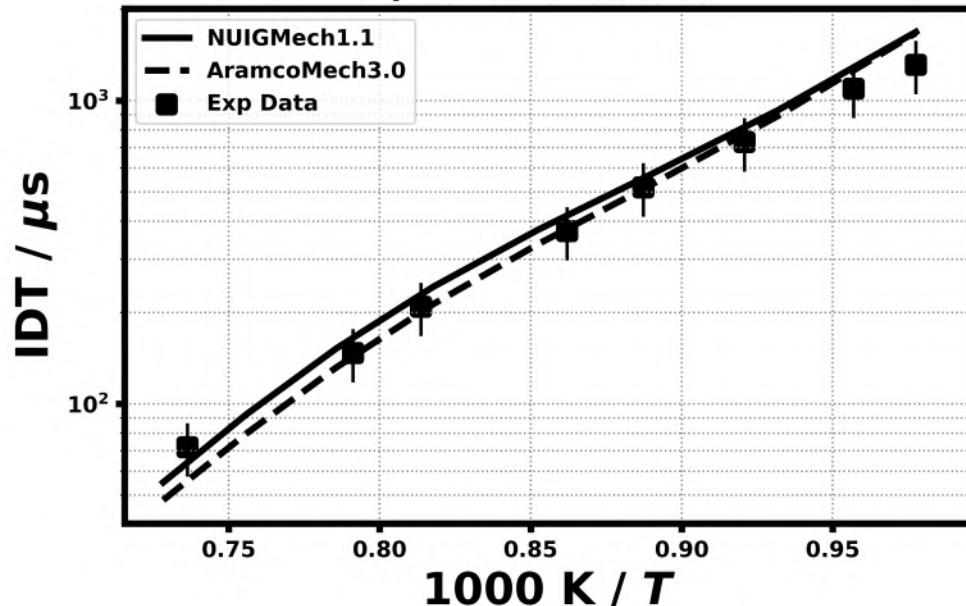


19. Validation for C₄H₁₀

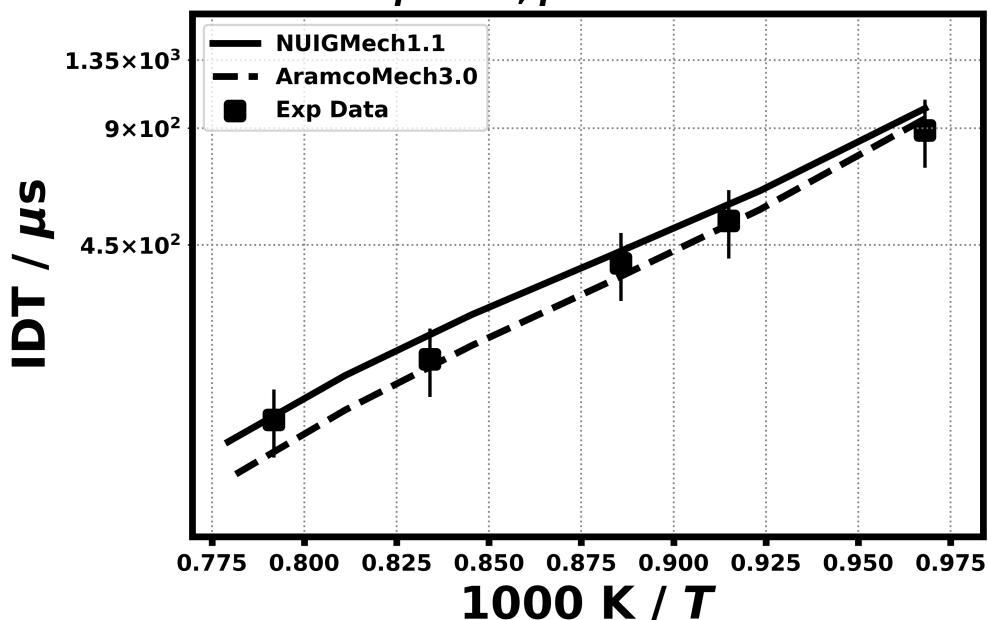
Shock tube ignition delay time

19.1) Healy, D., Donato, N. S., Aul, C. J., Petersen, E. L., Zinner, C. M., Bourque, G., & Curran, H. J., Combustion and Flame, 157(8) (2010) 1526-1539.

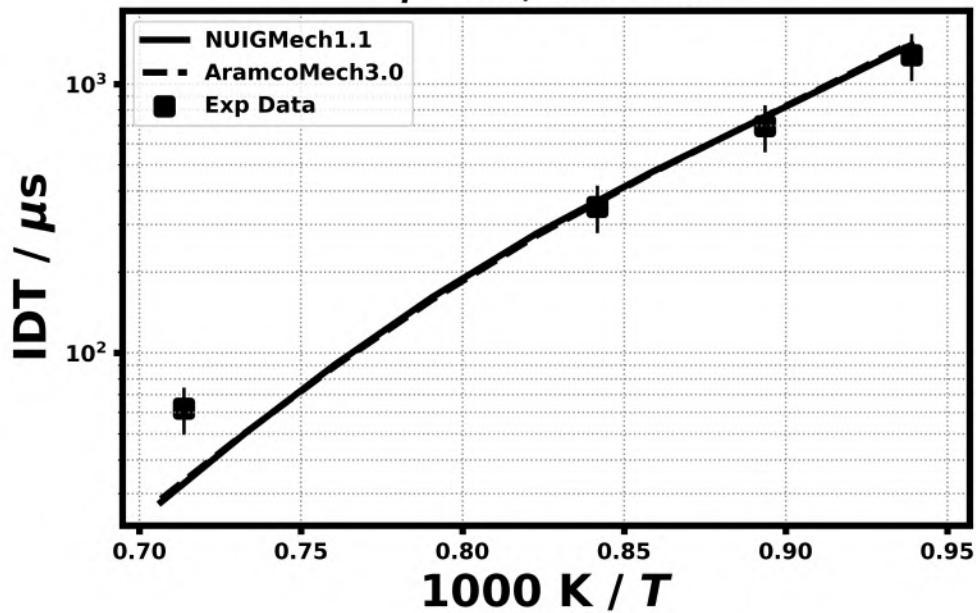
3.135% C₄H₁₀
20.38% O₂, 76.49% N₂
 $\phi = 1.0, p = 18.69 \text{ atm}$



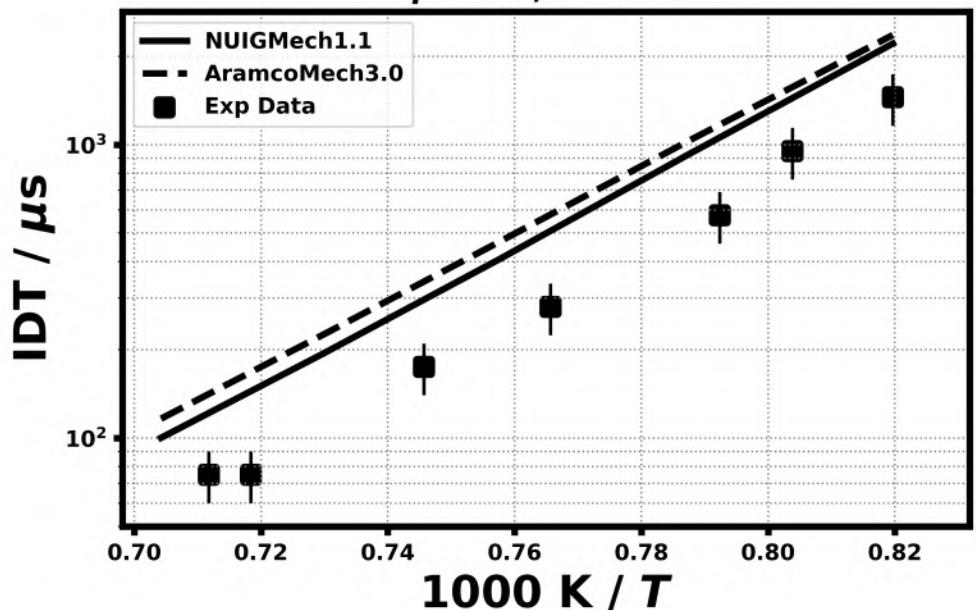
6.079% C₄H₁₀
19.76% O₂, 74.16% N₂
 $\phi = 2.0, p = 18.74 \text{ atm}$



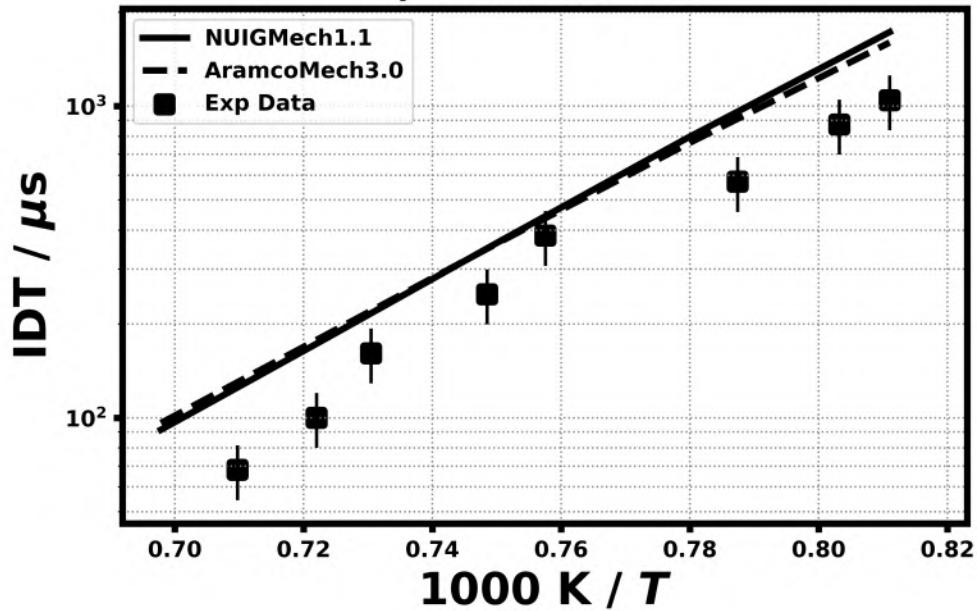
$1.595\% \text{ C}_4\text{H}_{10}$
 $20.7\% \text{ O}_2, 77.71\% \text{ N}_2$
 $\phi = 0.5, 19.7 \text{ atm}$



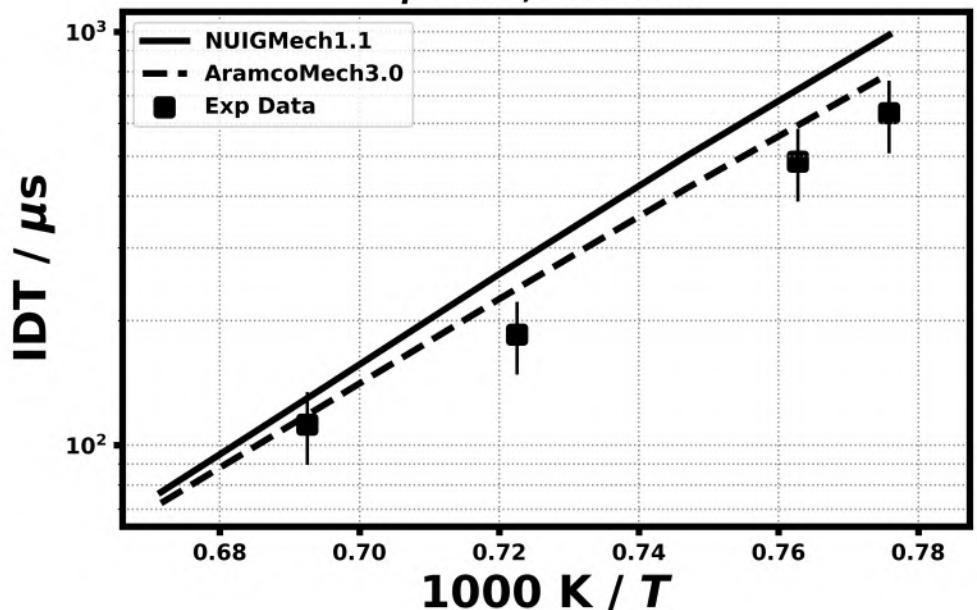
$0.962\% \text{ C}_4\text{H}_{10}$
 $20.83\% \text{ O}_2, 78.21\% \text{ N}_2$
 $\phi = 0.3, 1.1 \text{ atm}$



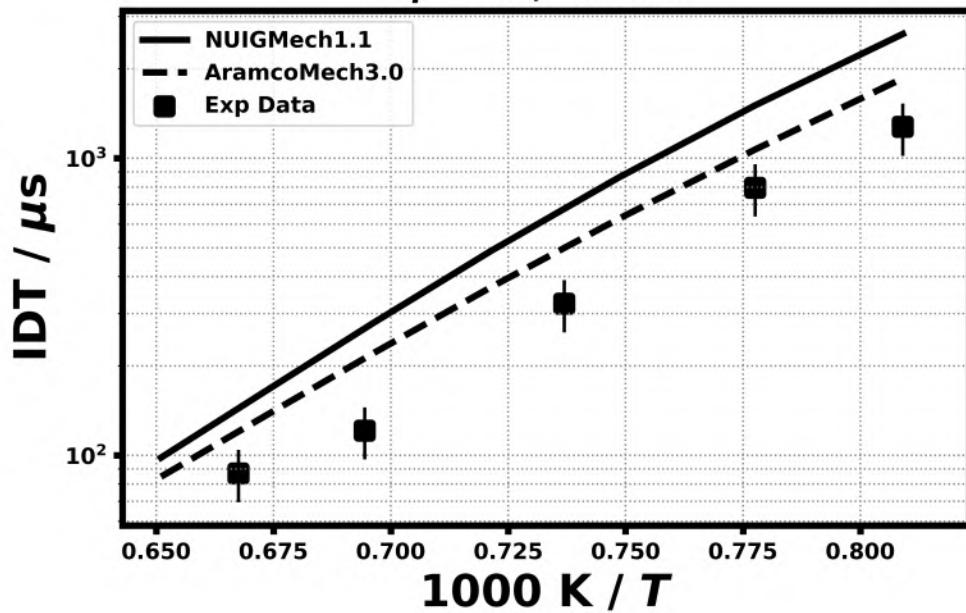
1.595% C₄H₁₀
20.7% O₂, 77.71% N₂
 $\phi = 0.5, 1.65 \text{ atm}$



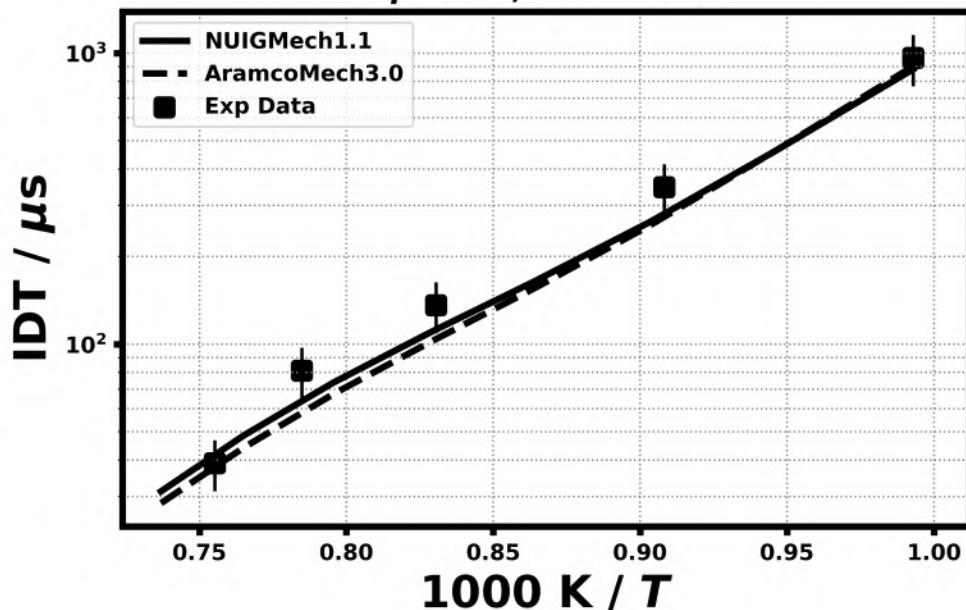
3.135% C₄H₁₀
20.38% O₂, 76.49% N₂
 $\phi = 1.0, 1.73 \text{ atm}$



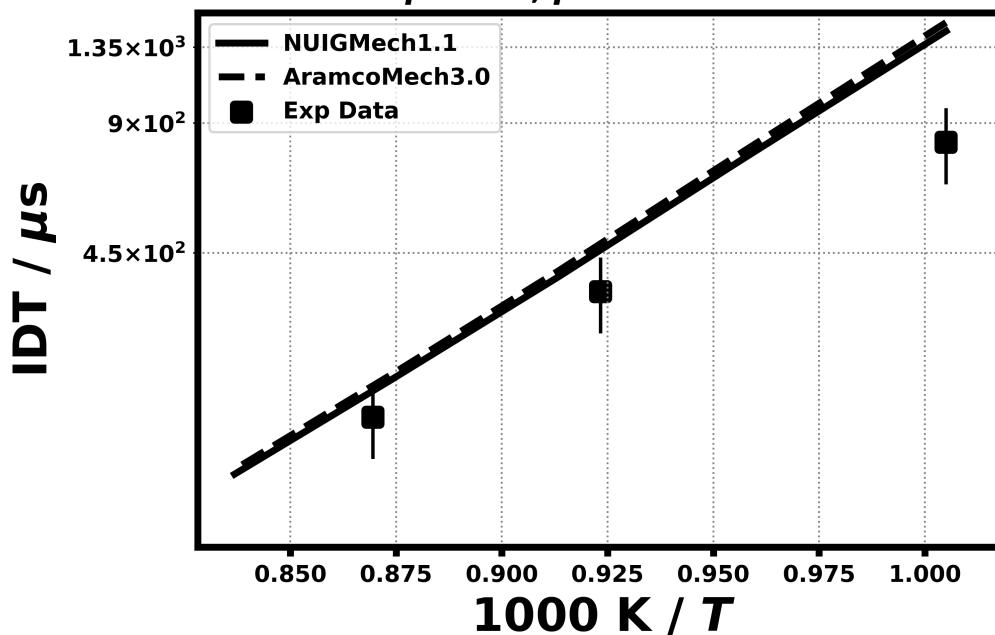
$6.079\% \text{ C}_4\text{H}_{10}$
 $19.76\% \text{ O}_2, 74.16\% \text{ N}_2$
 $\phi = 2.0, 1.6 \text{ atm}$



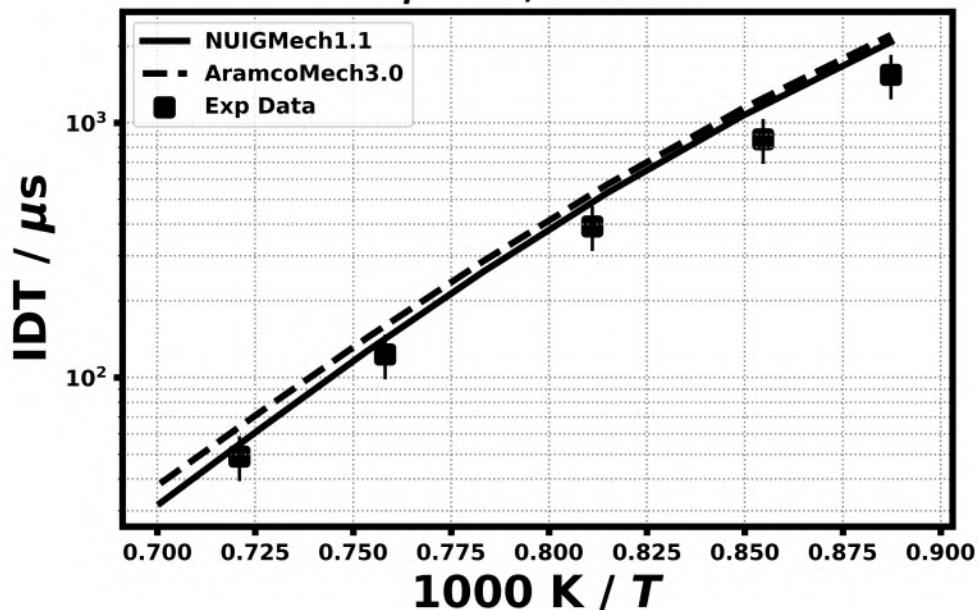
$3.135\% \text{ C}_4\text{H}_{10}$
 $20.38\% \text{ O}_2, 76.49\% \text{ N}_2$
 $\phi = 1.0, 40.34 \text{ atm}$



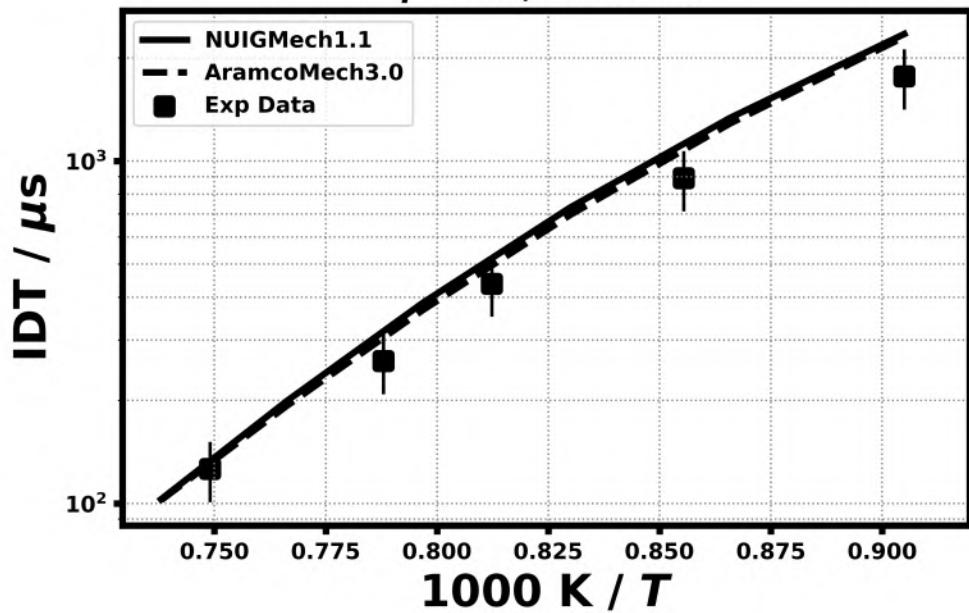
$1.595\% \text{ C}_4\text{H}_{10}$
 $20.7\% \text{ O}_2, 77.71\% \text{ N}_2$
 $\phi = 0.5, p = 45.93 \text{ atm}$



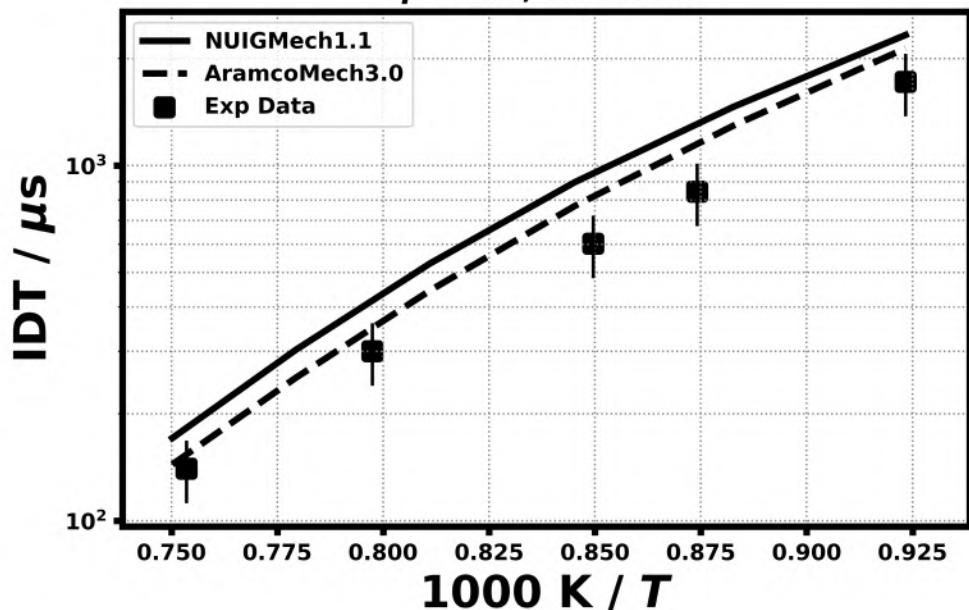
$0.962\% \text{ C}_4\text{H}_{10}$
 $20.83\% \text{ O}_2, 78.21\% \text{ N}_2$
 $\phi = 0.3, 8.4 \text{ atm}$



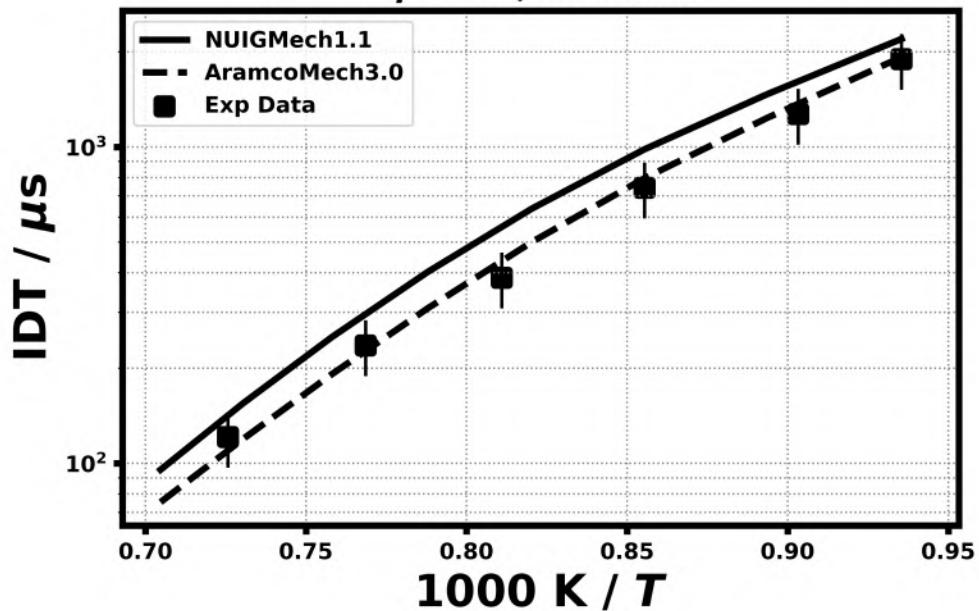
1.595% C₄H₁₀
20.7% O₂, 77.71% N₂
 $\phi = 0.5, 8.34 \text{ atm}$



3.135% C₄H₁₀
20.38% O₂, 76.49% N₂
 $\phi = 1.0, 8.26 \text{ atm}$

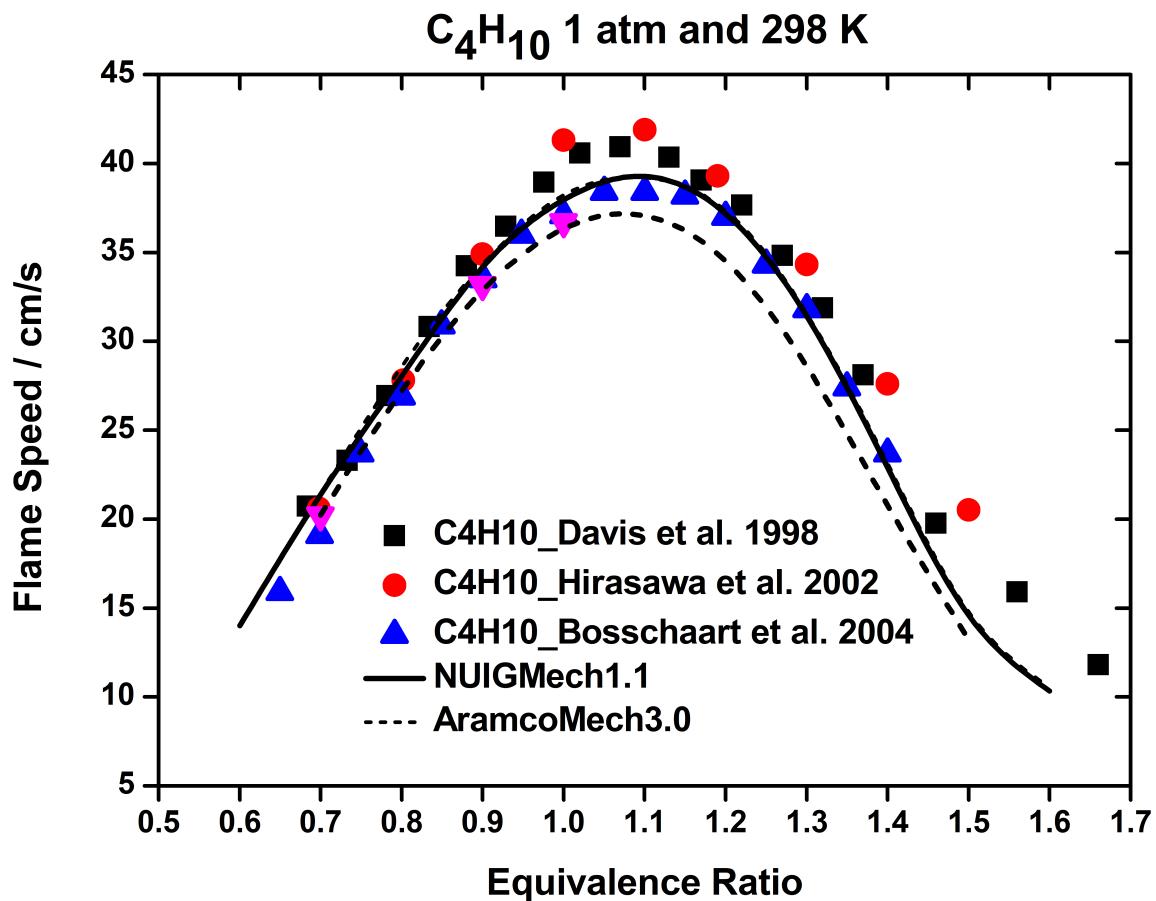


6.079% C₄H₁₀
19.76% O₂, 74.16% N₂
 $\phi = 2.0, 7.87 \text{ atm}$



Laminar flame speed

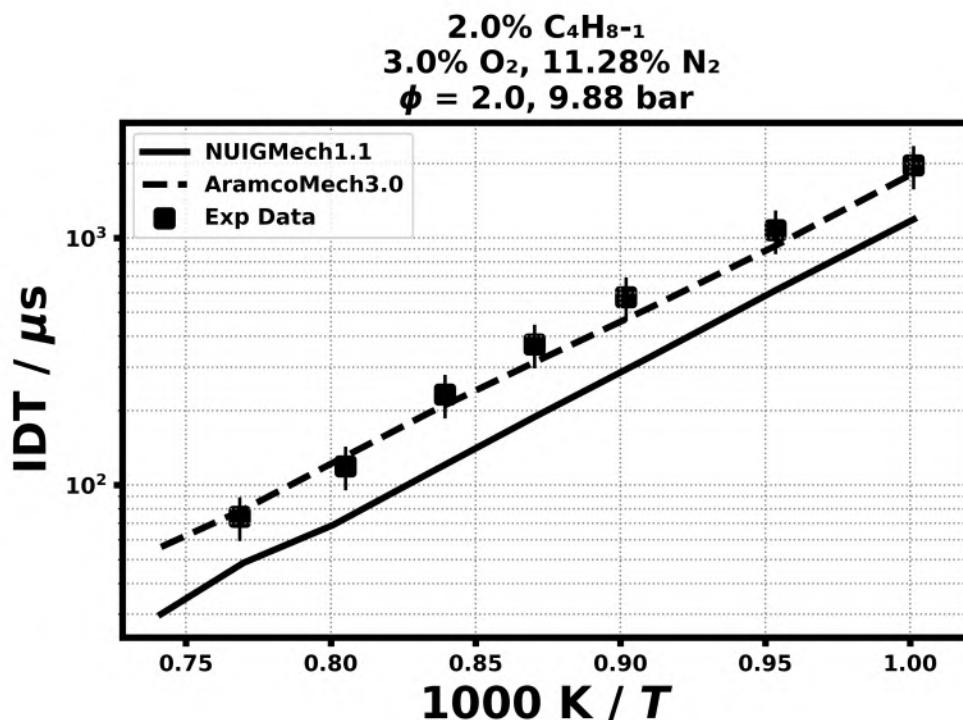
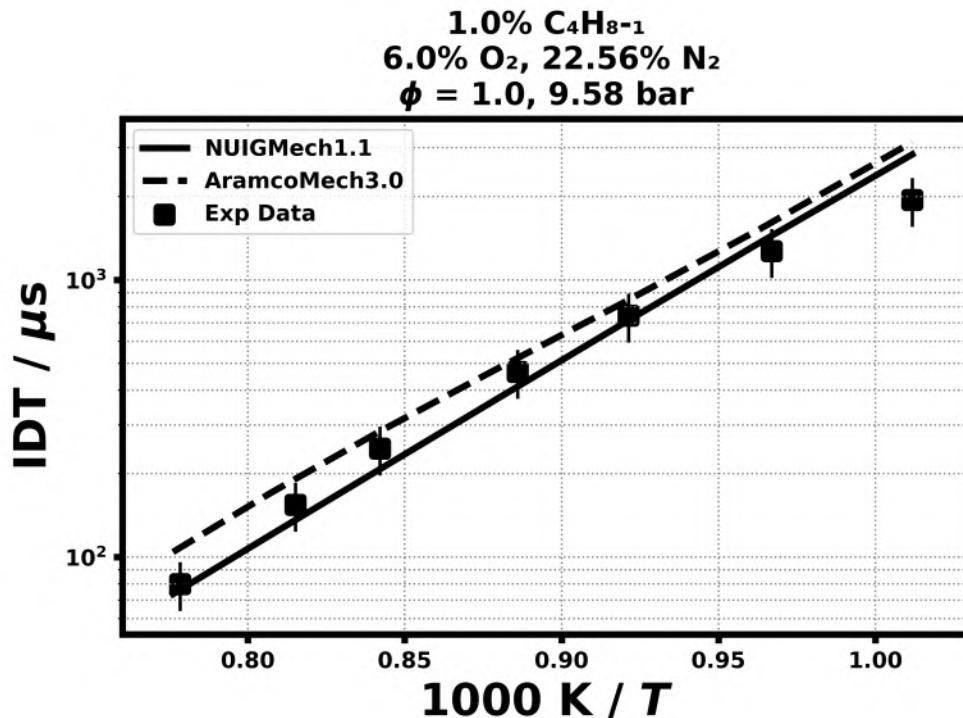
- 19.1) Hirasawa, T., Sung, C. J., Joshi, A., Yang, Z., Wang, H., Law, C. K, Proceedings of the Combustion Institute 29 (2002) 1427-1434.
19.2) Davis, S.G., Law, C.K., Combustion Science and Technology 140 (1998) 427-449.
19.3) Bosschaart, K.J., de Goey, L.P.H., Combustion and Flame 136 (2004) 261–269.



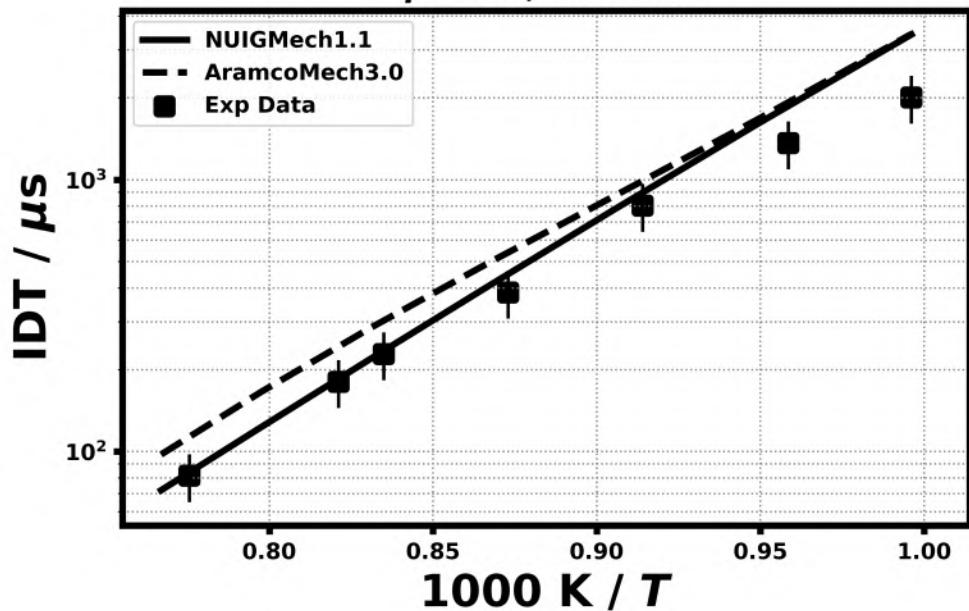
20. Validation for C₄H₈-1

Shock tube ignition delay time

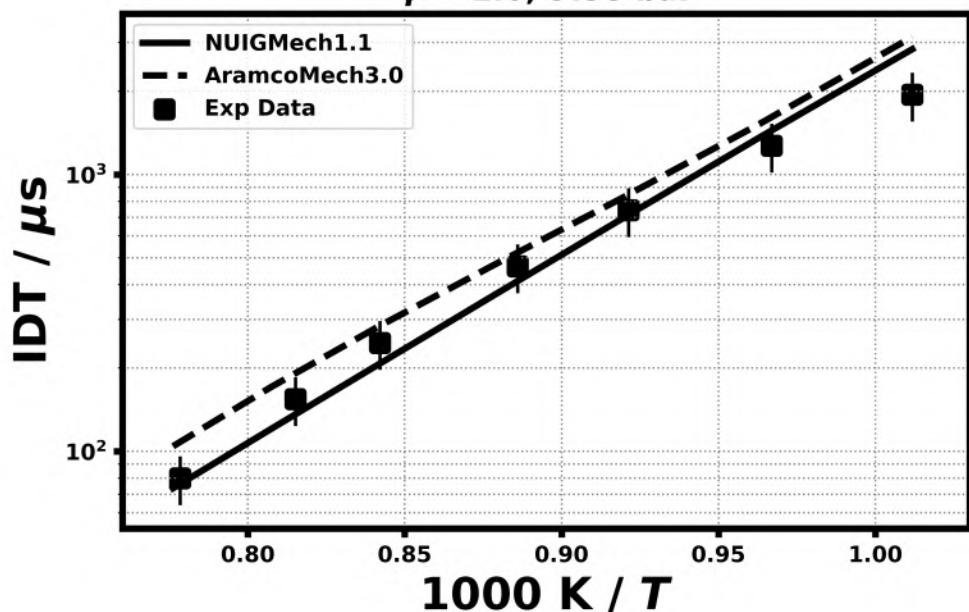
20.1) Li, Y., Zhou, C. W., Somers, K. P., Zhang, K., & Curran, H. J., Proceedings of the Combustion Institute, 36(1) (2017) 403-411.



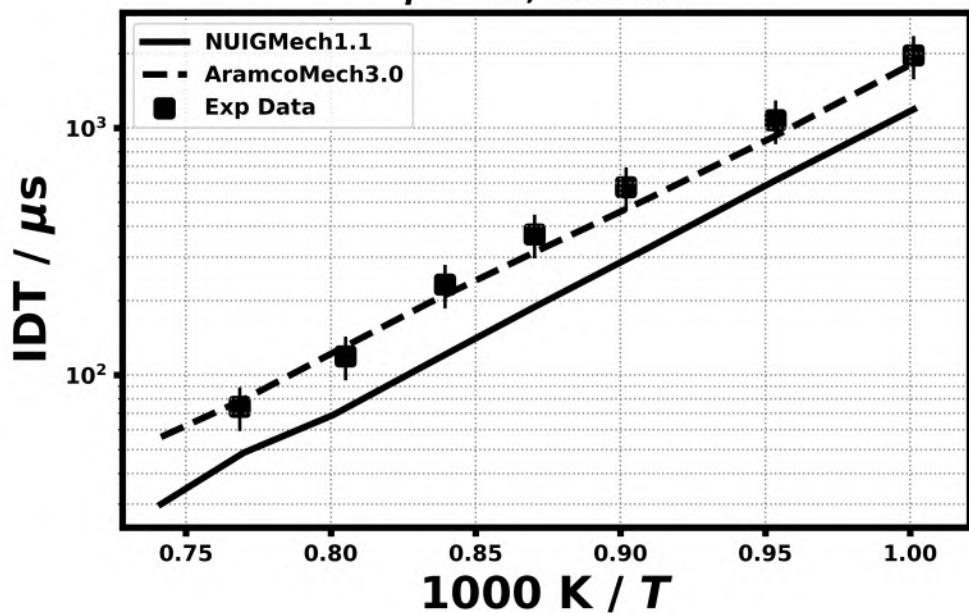
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $12.0\% \text{ O}_2, 45.12\% \text{ N}_2$
 $\phi = 0.5, 9.75 \text{ bar}$



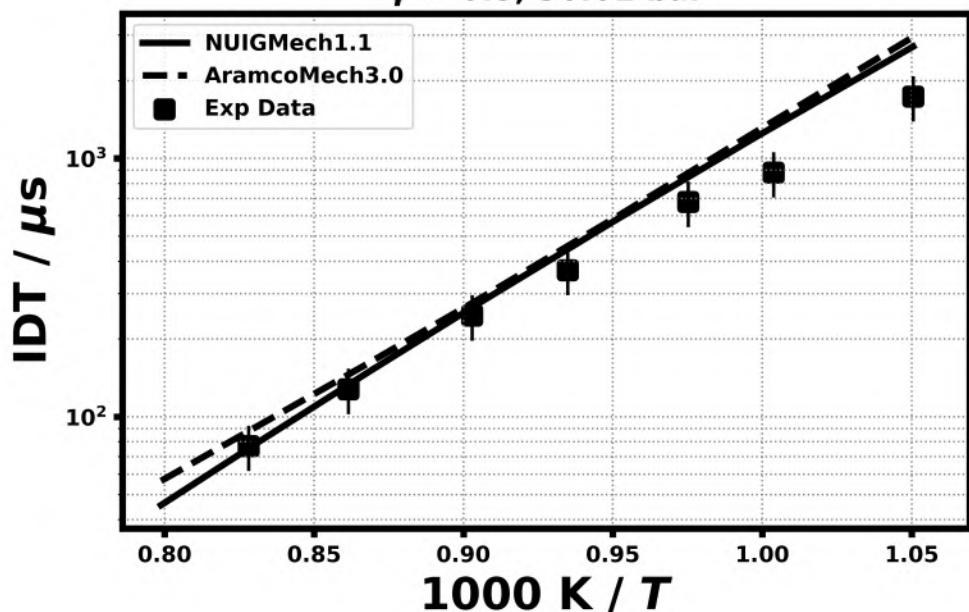
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $6.0\% \text{ O}_2, 22.56\% \text{ N}_2$
 $\phi = 1.0, 9.58 \text{ bar}$



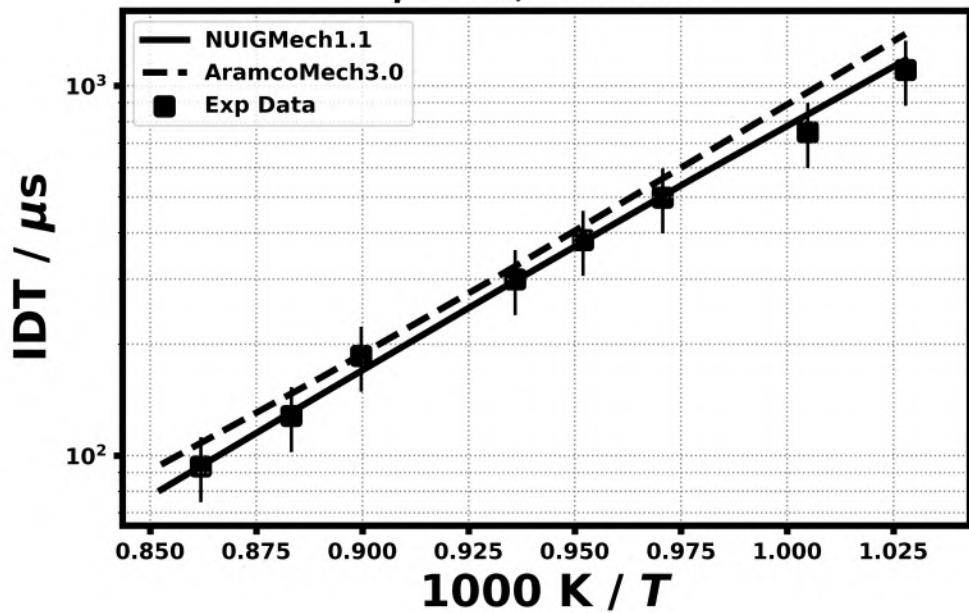
$2.0\% \text{ C}_4\text{H}_{8-1}$
 $3.0\% \text{ O}_2, 11.28\% \text{ N}_2$
 $\phi = 2.0, 9.88 \text{ bar}$



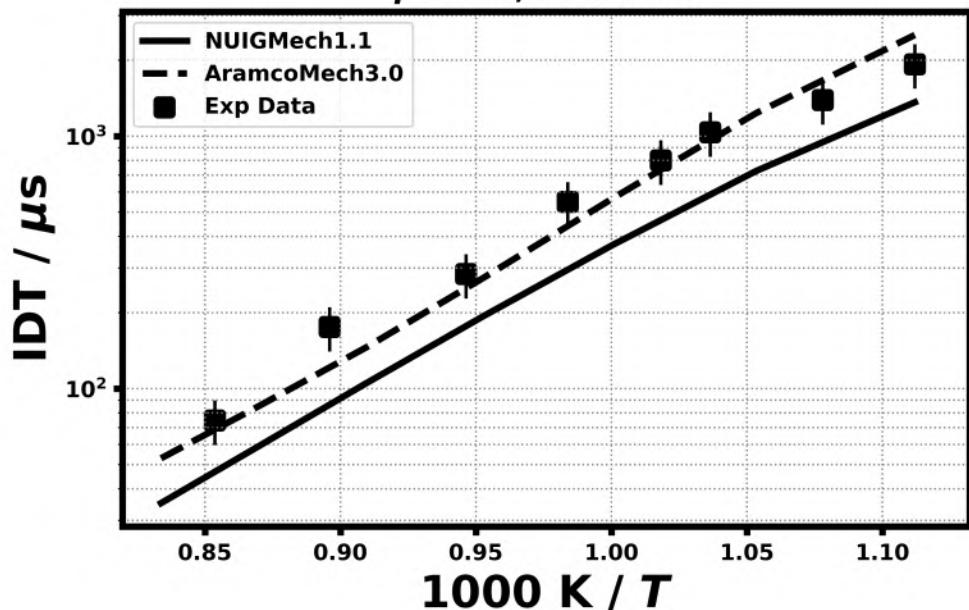
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $12.0\% \text{ O}_2, 45.12\% \text{ N}_2$
 $\phi = 0.5, 30.01 \text{ bar}$

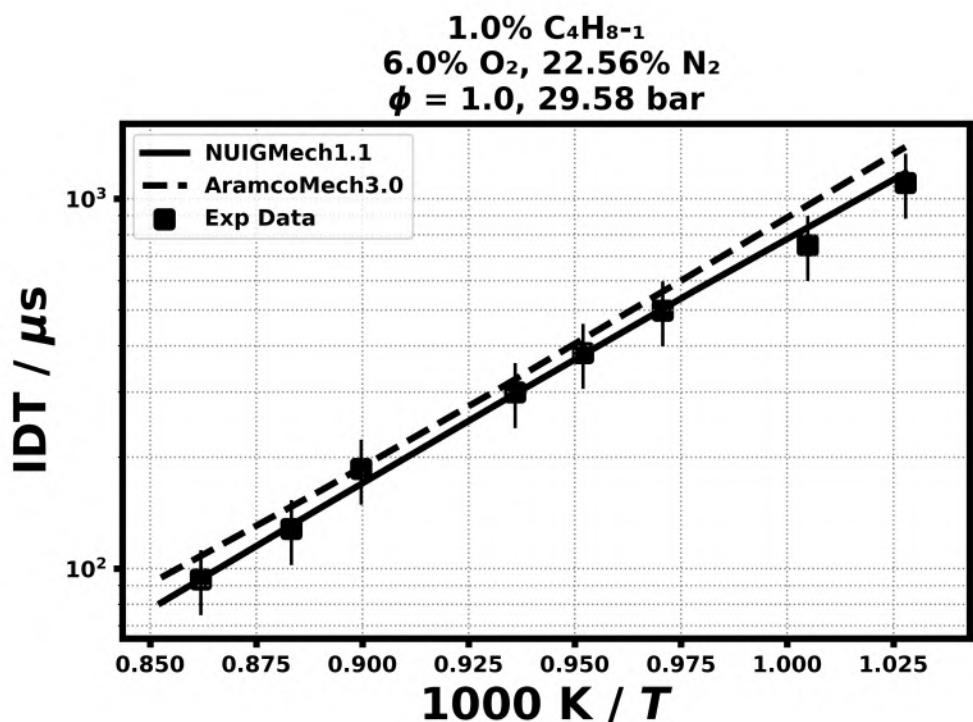
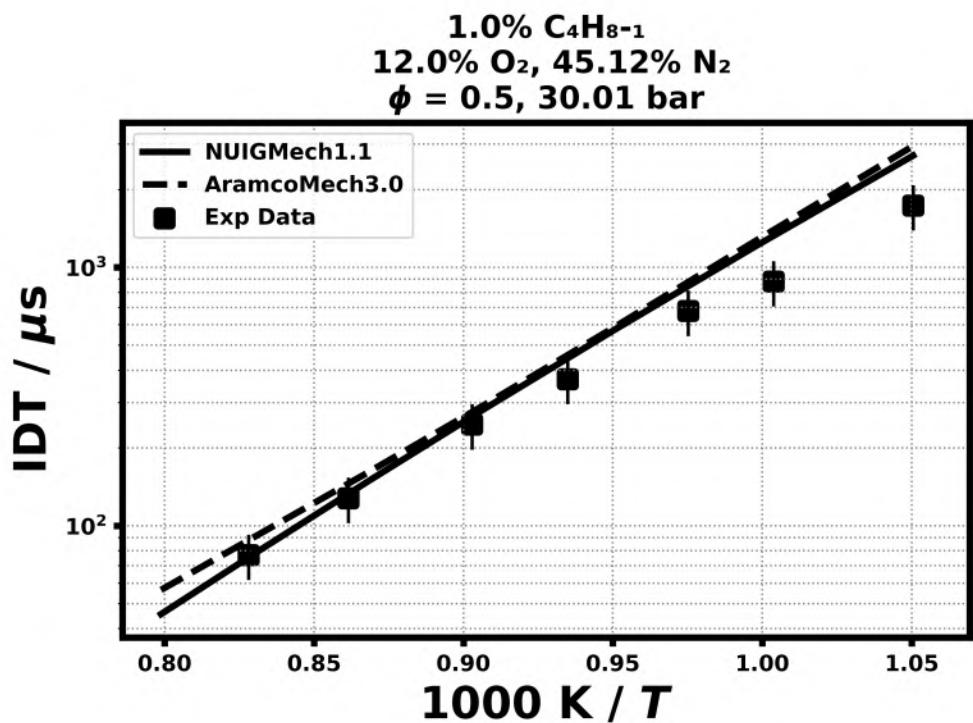


$1.0\% \text{C}_4\text{H}_{8-1}$
 $6.0\% \text{O}_2, 22.56\% \text{N}_2$
 $\phi = 1.0, 29.58 \text{ bar}$

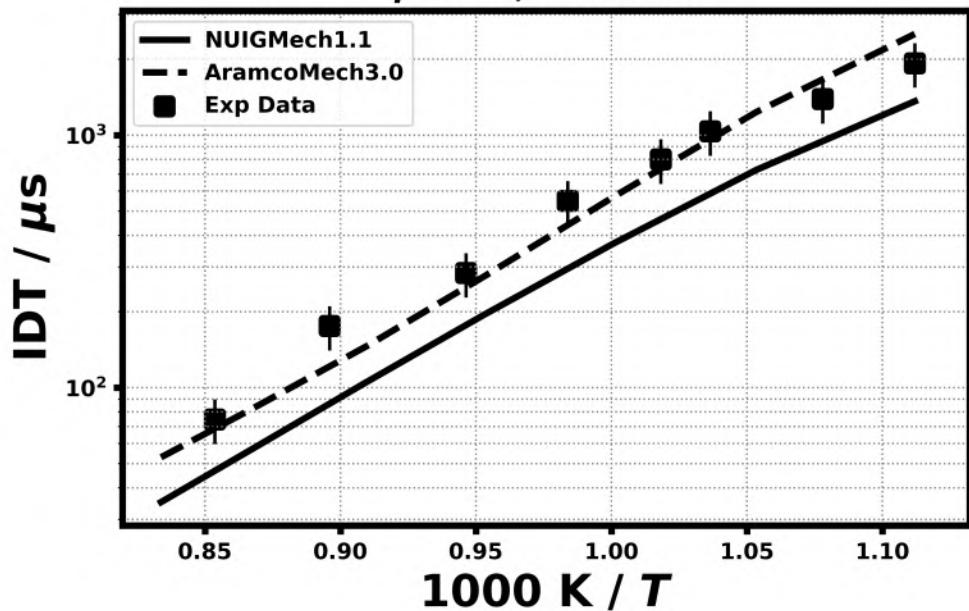


$2.0\% \text{C}_4\text{H}_{8-1}$
 $3.0\% \text{O}_2, 11.28\% \text{N}_2$
 $\phi = 2.0, 30.35 \text{ bar}$

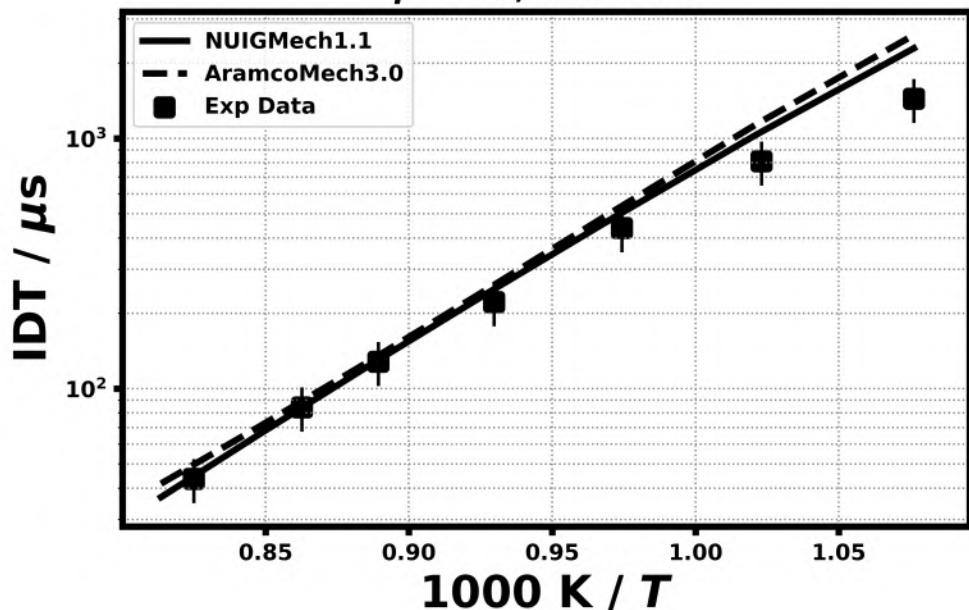




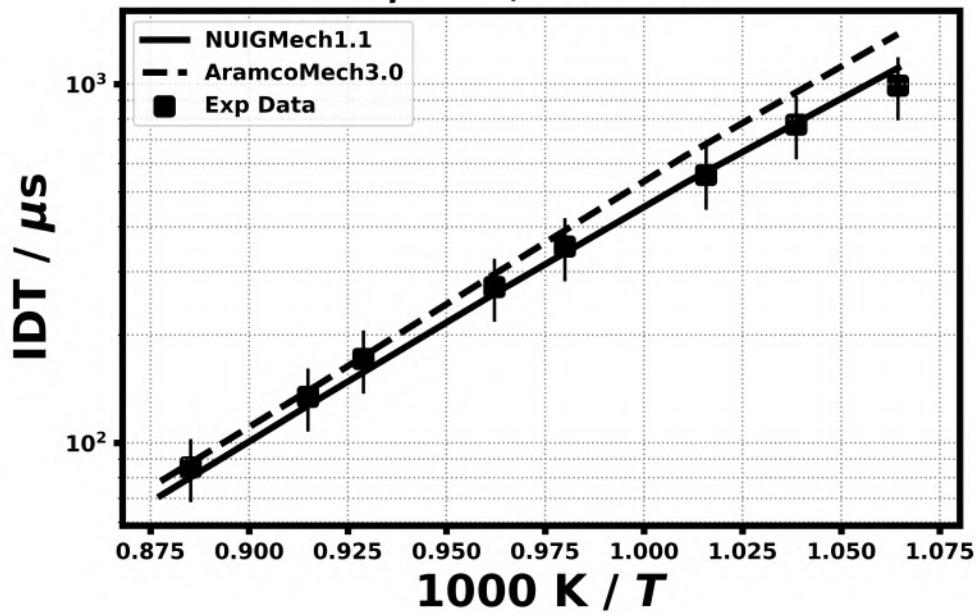
$2.0\% \text{ C}_4\text{H}_{8-1}$
 $3.0\% \text{ O}_2, 11.28\% \text{ N}_2$
 $\phi = 2.0, 30.35 \text{ bar}$



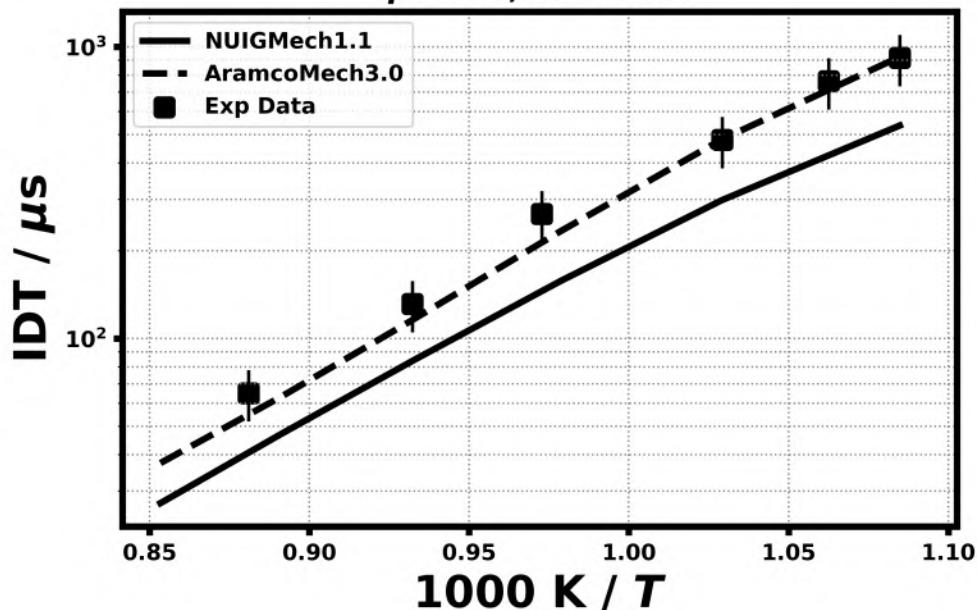
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $12.0\% \text{ O}_2, 45.12\% \text{ N}_2$
 $\phi = 0.5, 51.78 \text{ bar}$



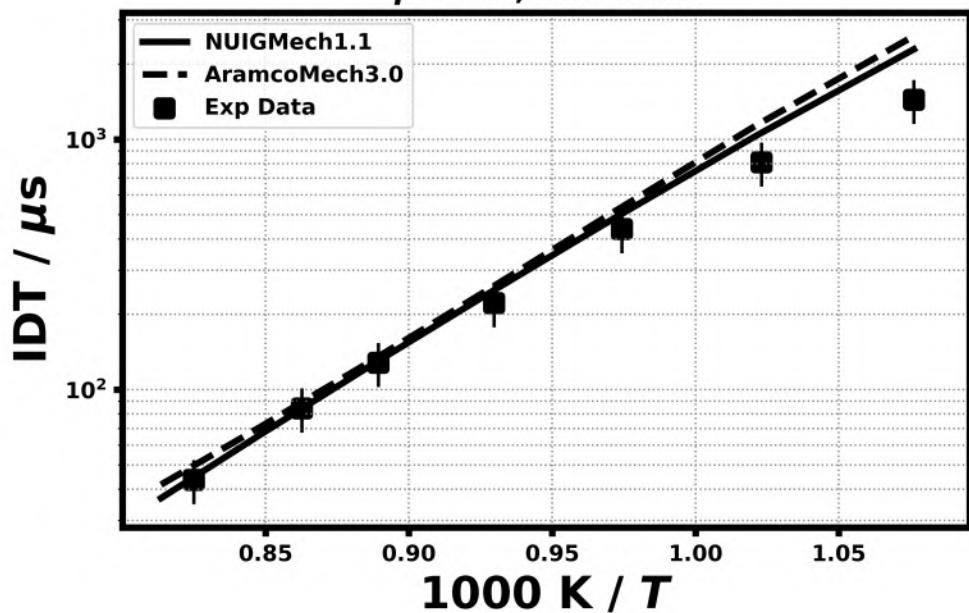
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $6.0\% \text{ O}_2, 22.56\% \text{ N}_2$
 $\phi = 1.0, 51.39 \text{ bar}$



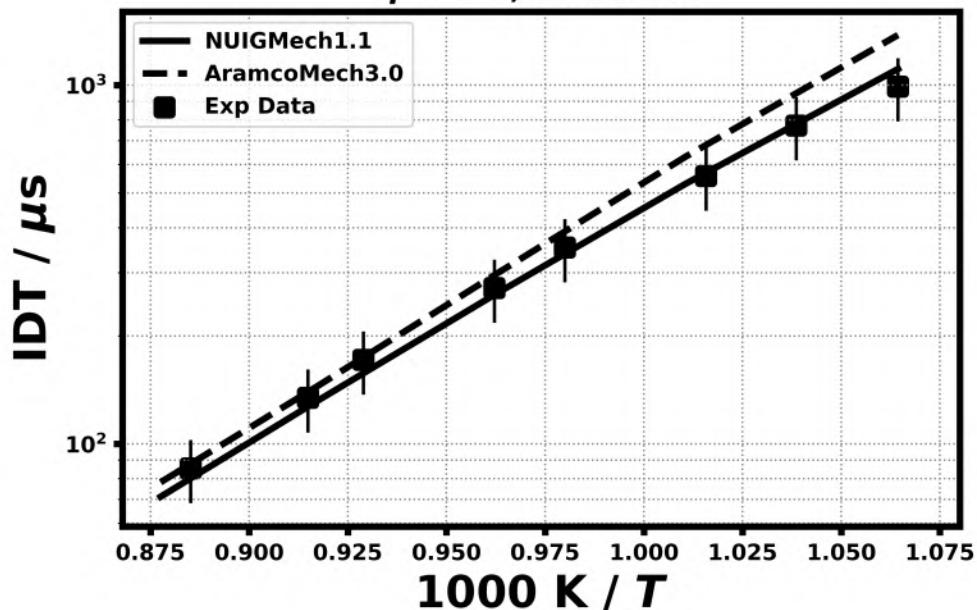
$2.0\% \text{ C}_4\text{H}_{8-1}$
 $3.0\% \text{ O}_2, 11.28\% \text{ N}_2$
 $\phi = 2.0, 52.24 \text{ bar}$



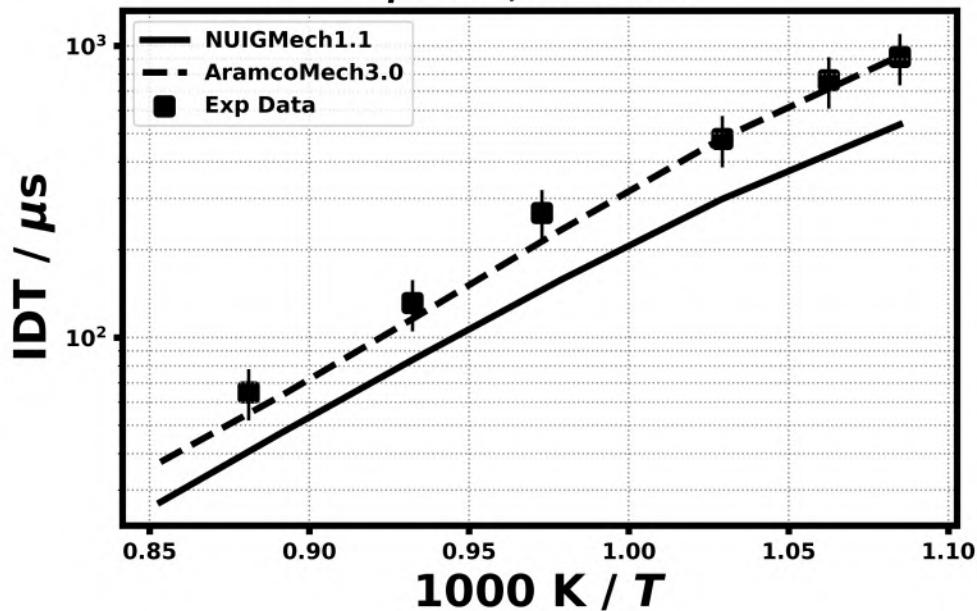
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $12.0\% \text{ O}_2, 45.12\% \text{ N}_2$
 $\phi = 0.5, 51.78 \text{ bar}$



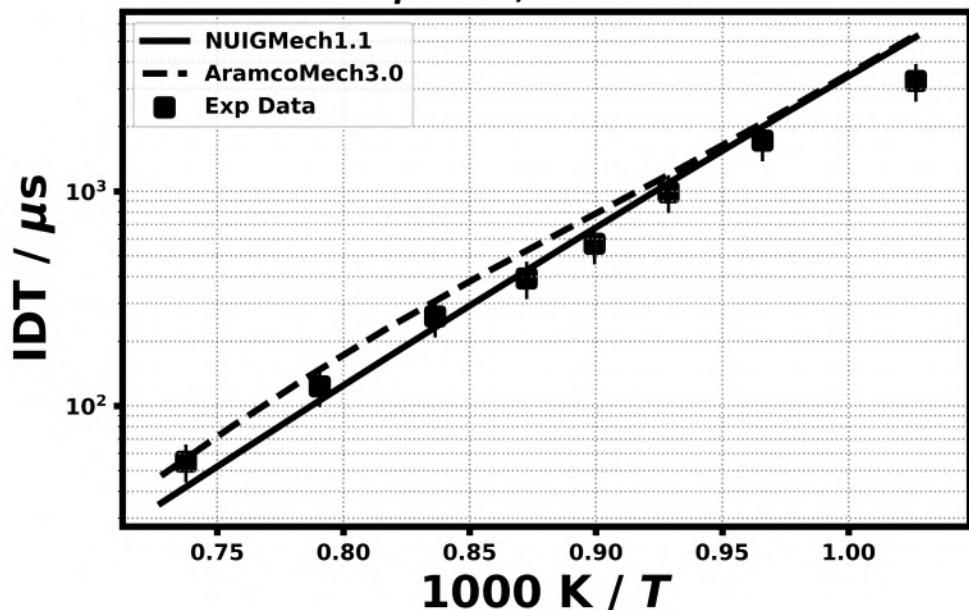
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $6.0\% \text{ O}_2, 22.56\% \text{ N}_2$
 $\phi = 1.0, 51.39 \text{ bar}$

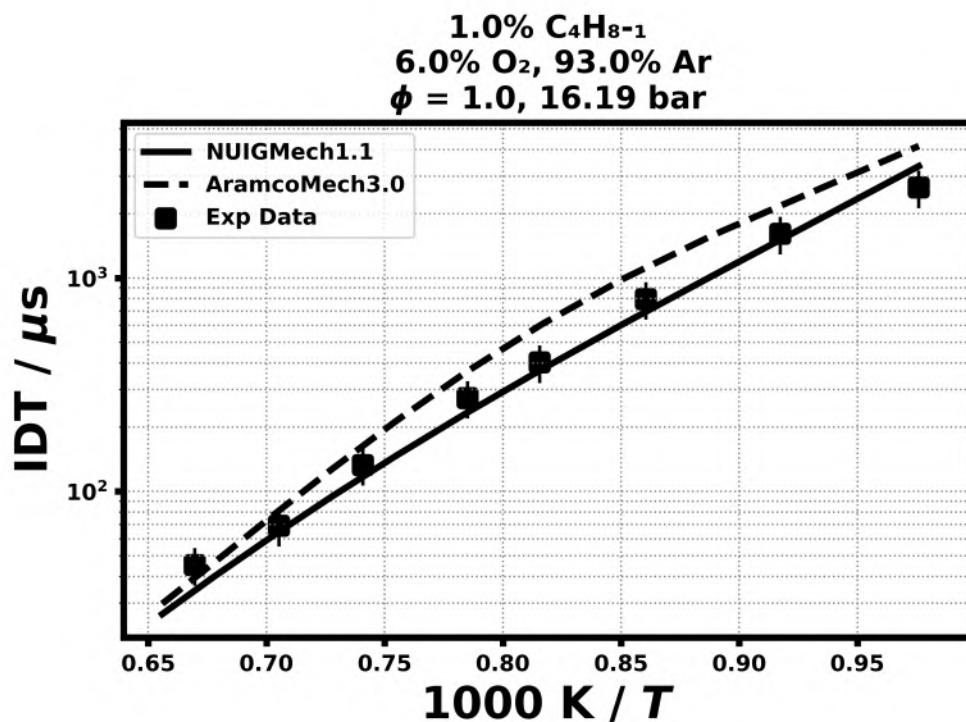


$2.0\% \text{ C}_4\text{H}_{8-1}$
 $3.0\% \text{ O}_2, 11.28\% \text{ N}_2$
 $\phi = 2.0, 52.24 \text{ bar}$

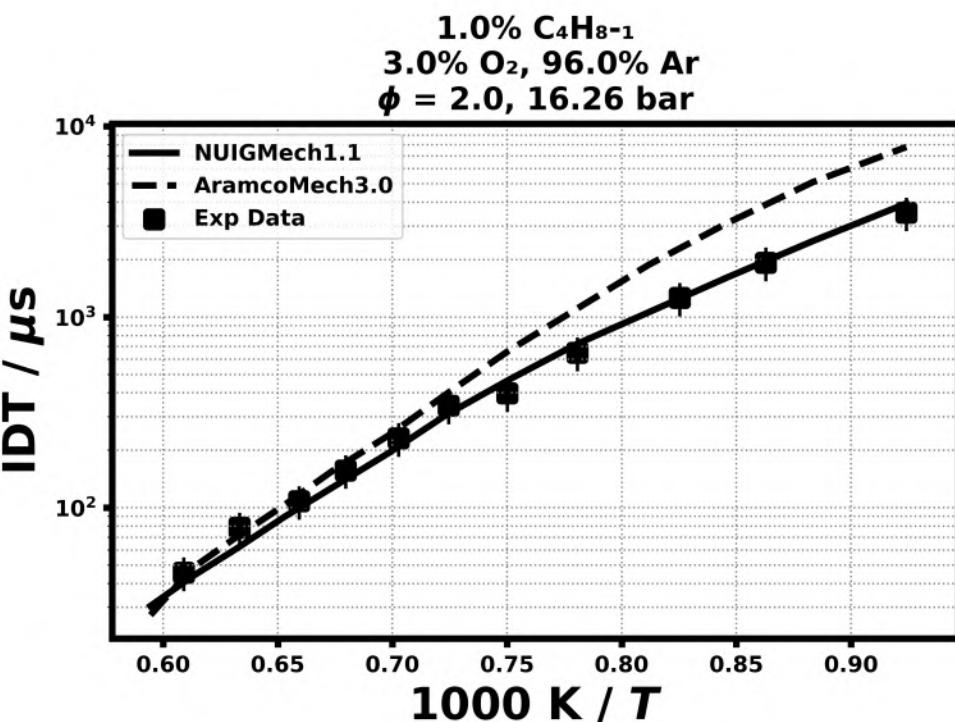


$1.0\% \text{ C}_4\text{H}_{8-1}$
 $12.0\% \text{ O}_2, 87.0\% \text{ Ar}$
 $\phi = 0.5, 16.31 \text{ bar}$

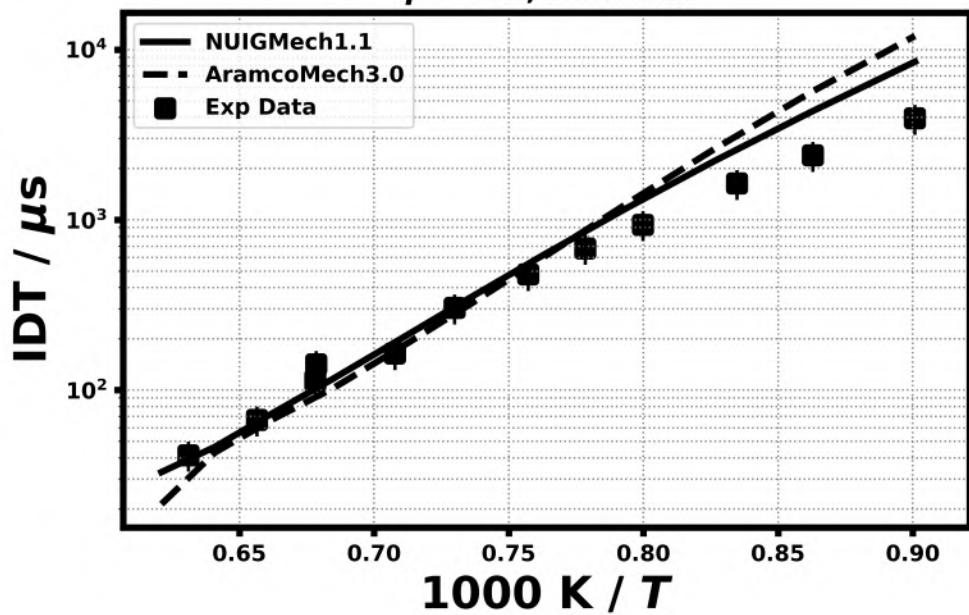




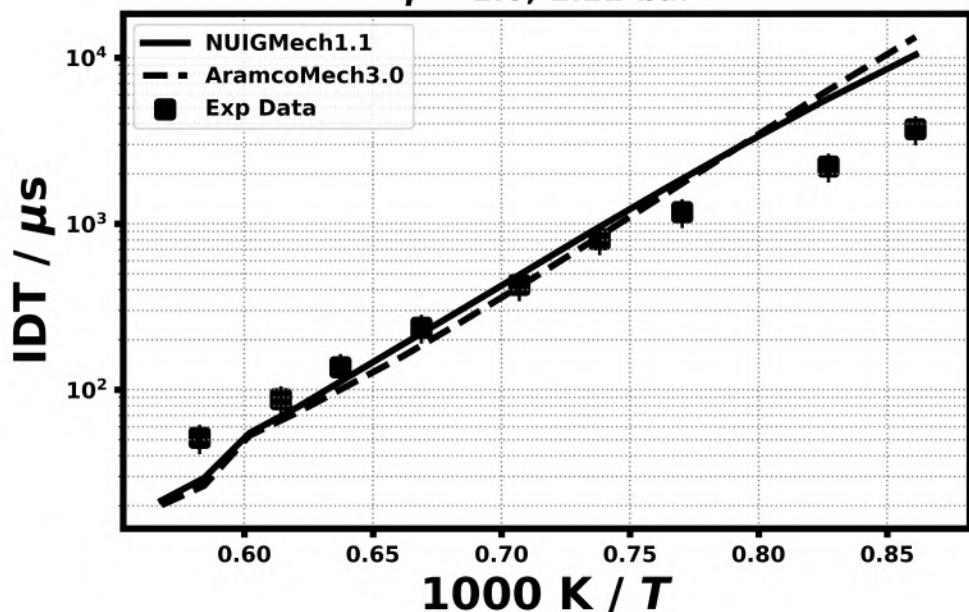
20.2) Pan, L., Hu, E., Zhang, J., Tian, Z., Li, X., & Huang, Z., Fuel, 157 (2015) 21-27.



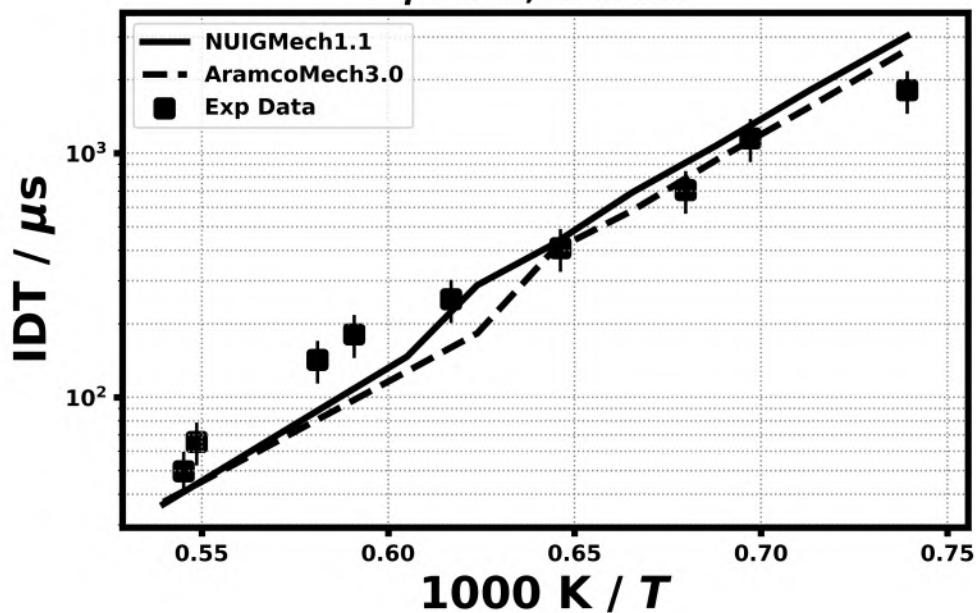
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $12.0\% \text{ O}_2, 87.0\% \text{ Ar}$
 $\phi = 0.5, 1.22 \text{ bar}$



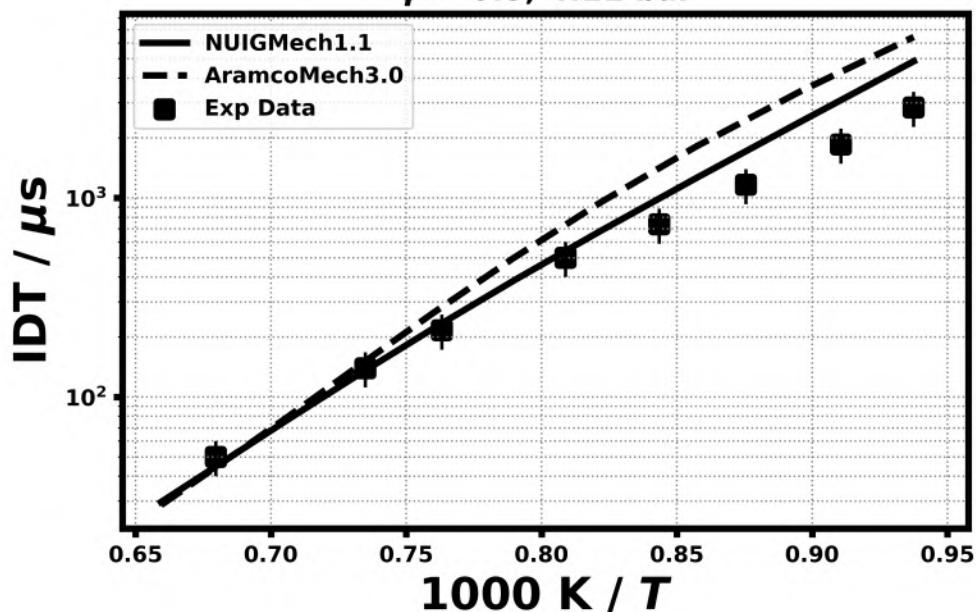
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $6.0\% \text{ O}_2, 93.0\% \text{ Ar}$
 $\phi = 1.0, 1.22 \text{ bar}$

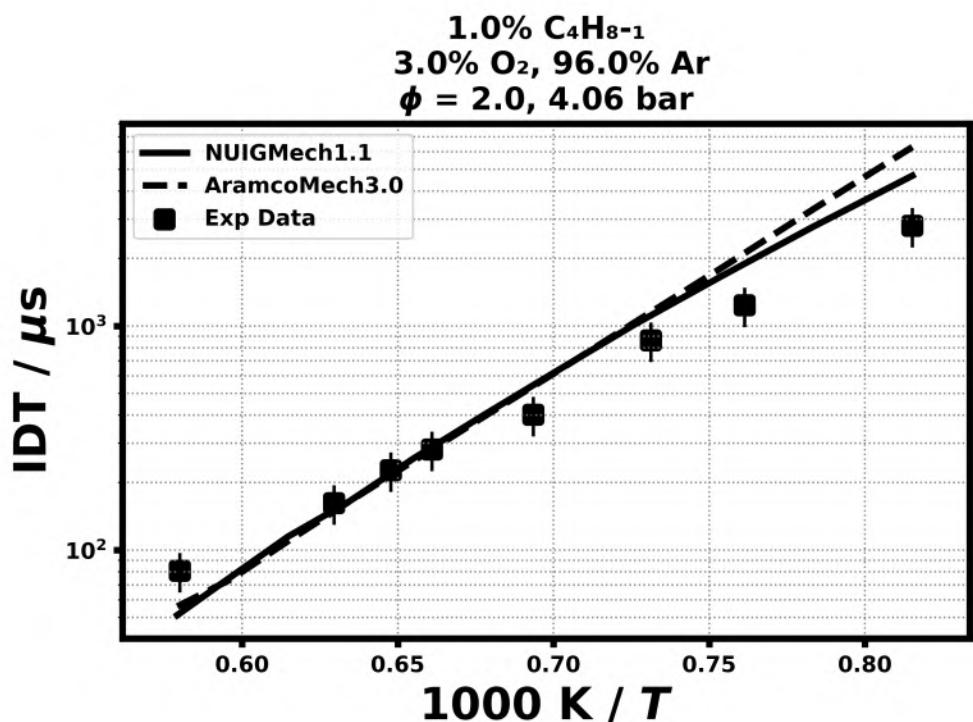
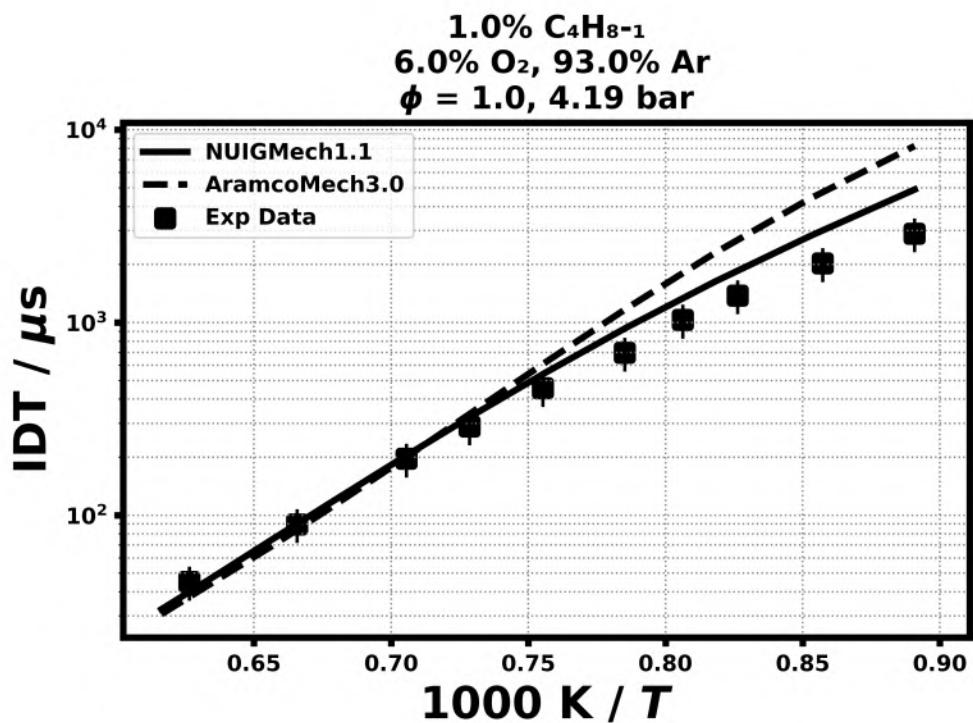


$1.0\% \text{ C}_4\text{H}_{8-1}$
 $3.0\% \text{ O}_2, 96.0\% \text{ Ar}$
 $\phi = 2.0, 1.22 \text{ bar}$



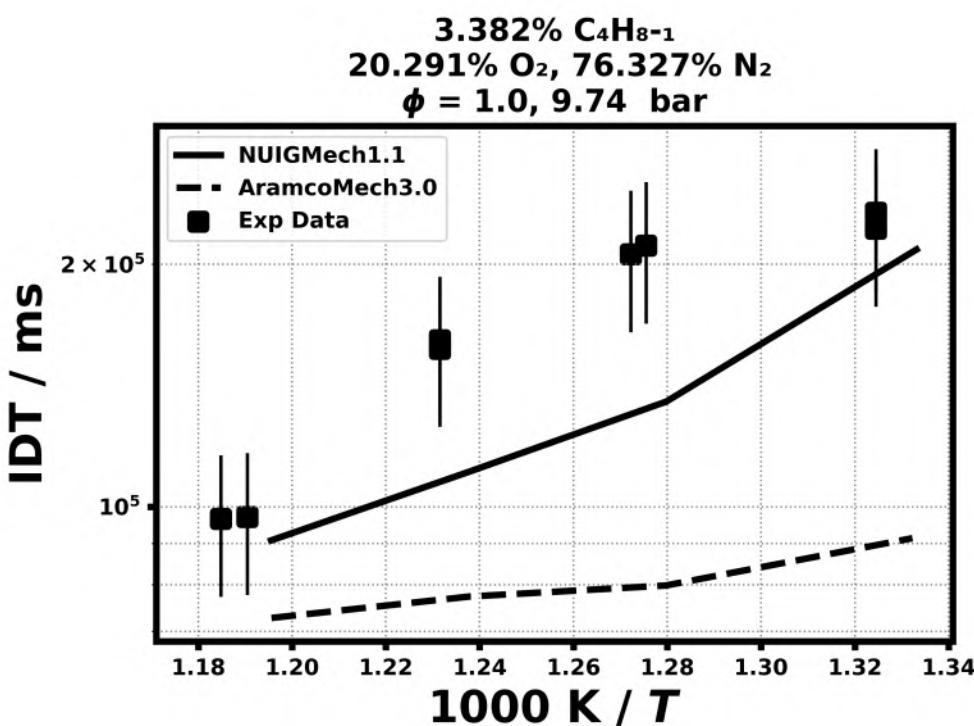
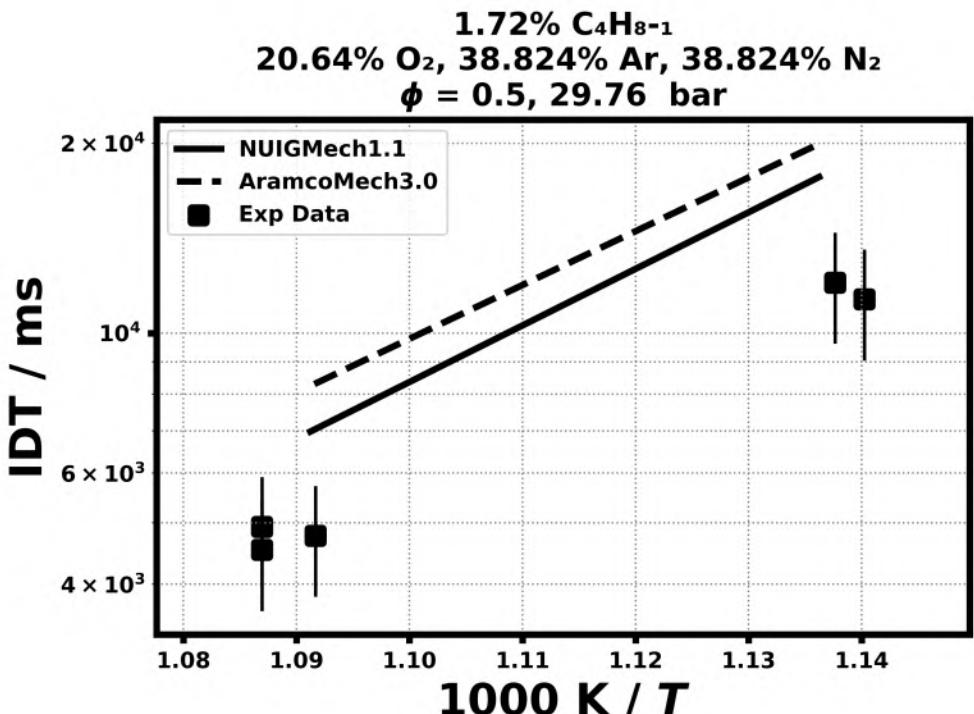
$1.0\% \text{ C}_4\text{H}_{8-1}$
 $12.0\% \text{ O}_2, 87.0\% \text{ Ar}$
 $\phi = 0.5, 4.11 \text{ bar}$



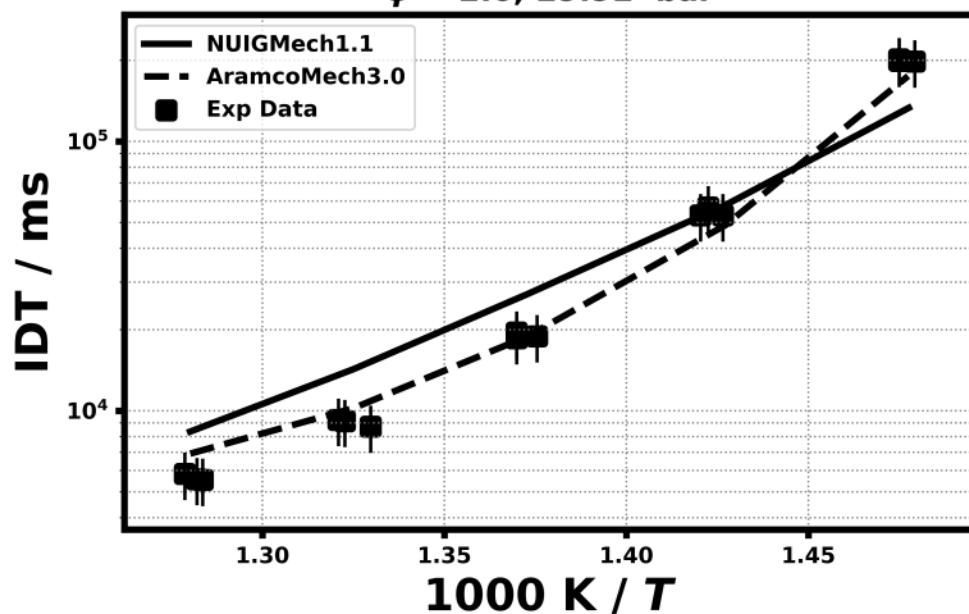


RCM Ignition delay time

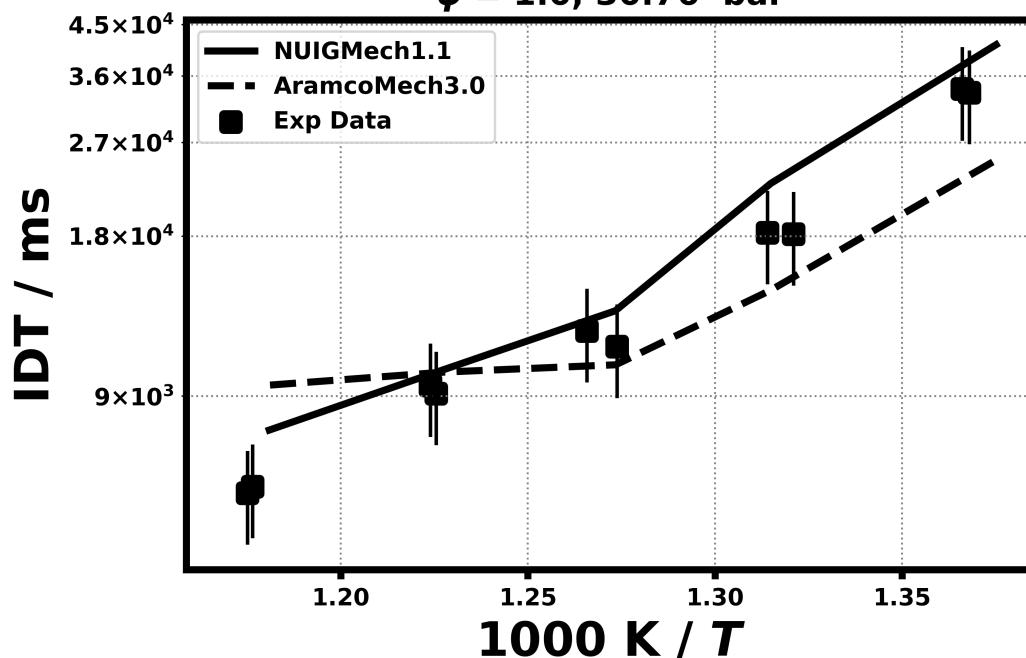
20.3) Li, Y., Zhou, C. W., Somers, K. P., Zhang, K., & Curran, H. J., Proceedings of the Combustion Institute, 36(1) (2017) 403-411.



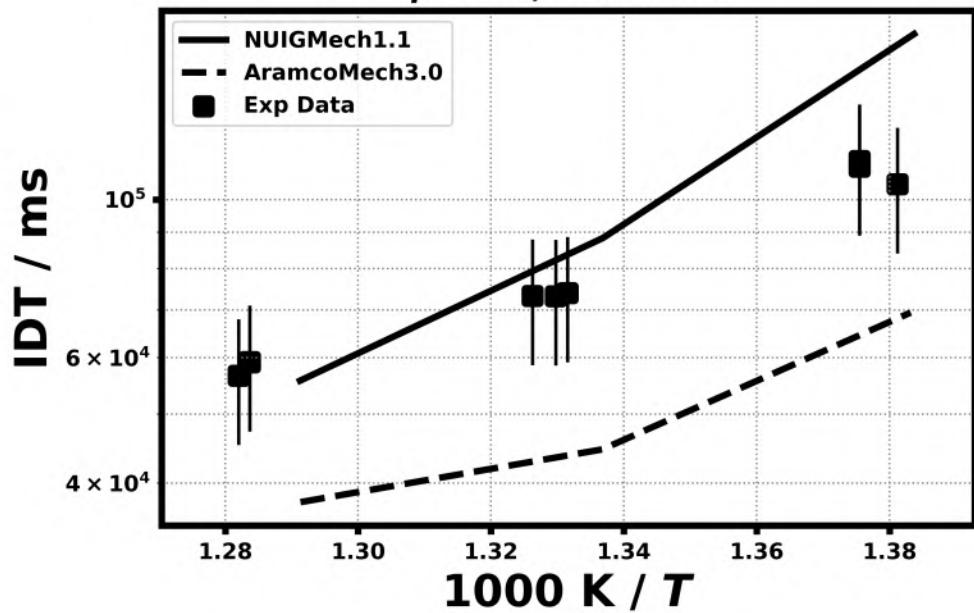
$6.542\% \text{C}_4\text{H}_{8-1}$
 $19.627\% \text{O}_2, 73.831\% \text{N}_2$
 $\phi = 2.0, 29.92 \text{ bar}$



$3.382\% \text{C}_4\text{H}_{8-1}$
 $20.291\% \text{O}_2, 76.327\% \text{N}_2$
 $\phi = 1.0, 30.76 \text{ bar}$

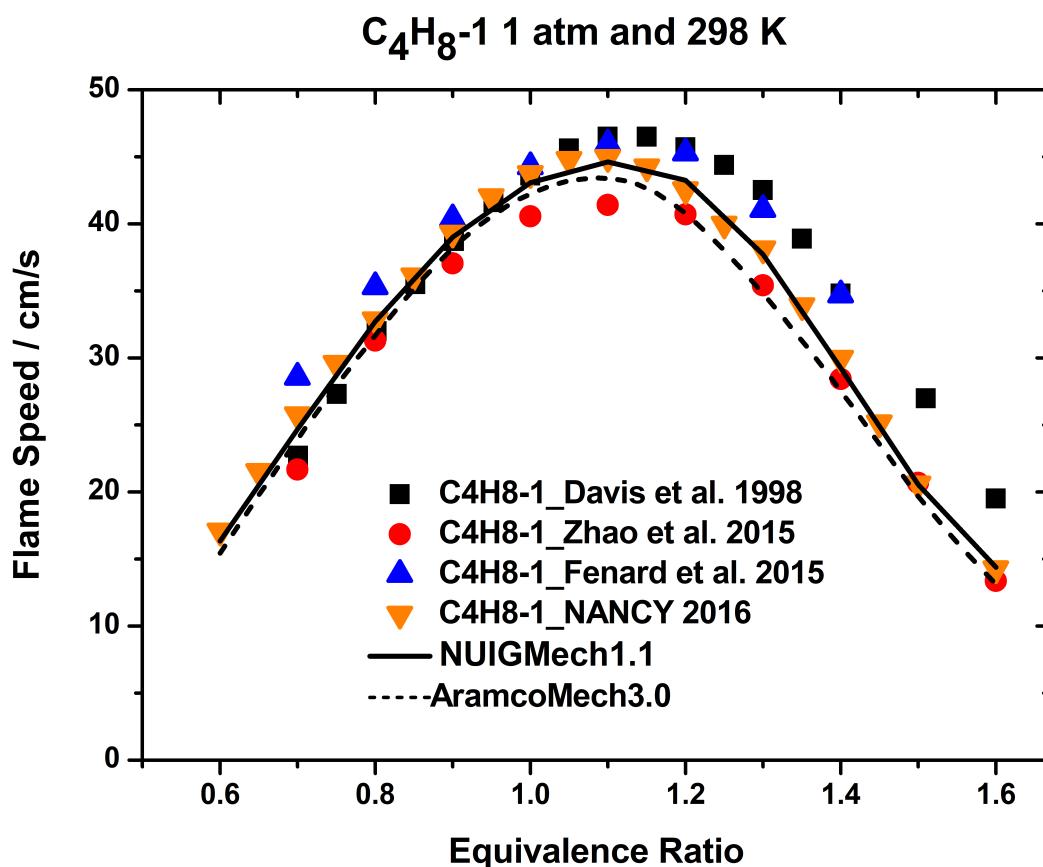


6.542% C₄H₈₋₁
19.627% O₂, 73.831% N₂
 $\phi = 2.0, 10.04 \text{ bar}$



Laminar flame speed

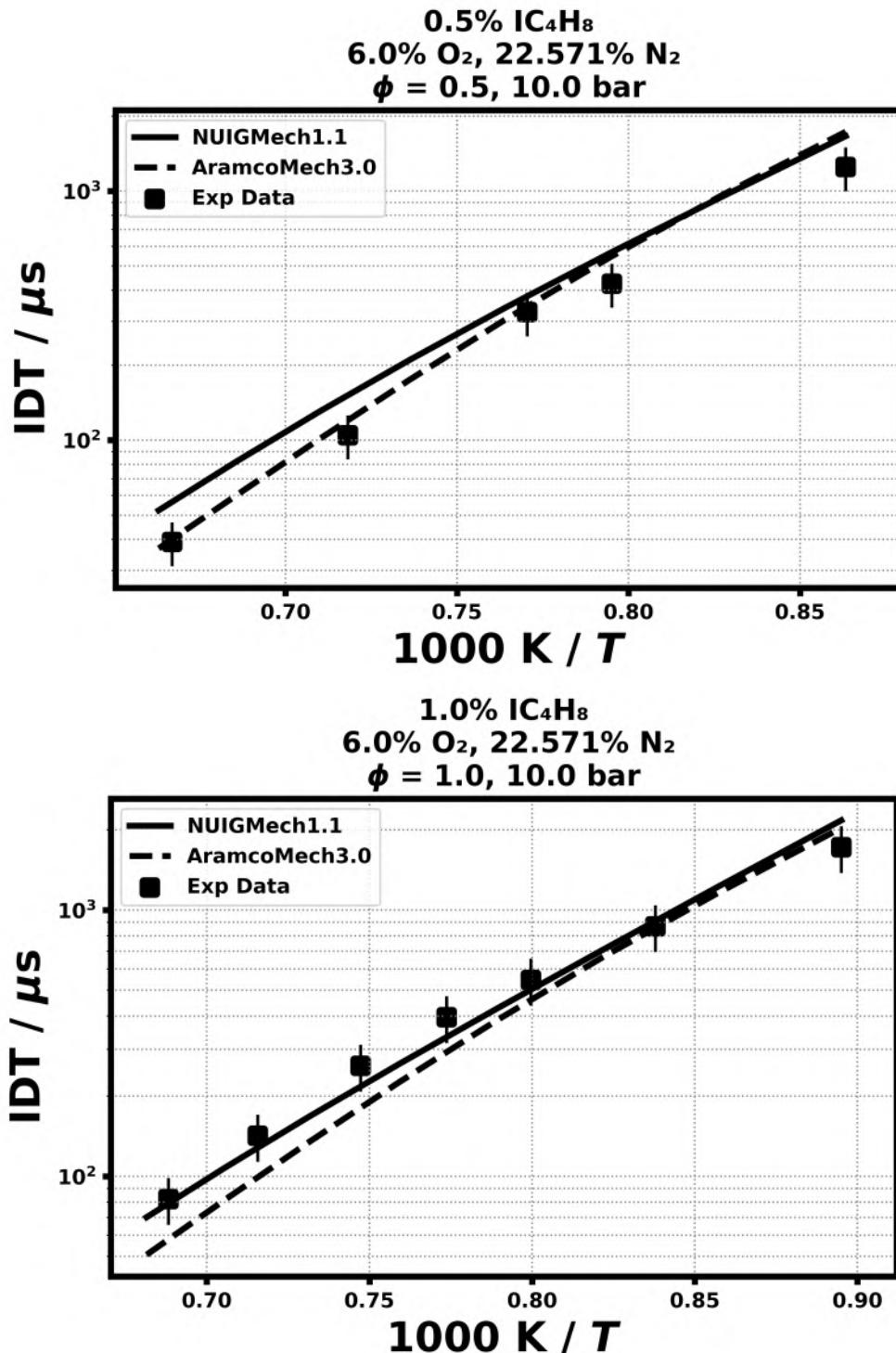
- 20.3) Davis, S.G., Law, C.K., Combustion Science and Technology 140 (1998) 427-449.
20.4) Zhao, P., Yuan, W., Sun, H., Li, Y., Kelley, A. P., Zheng, X., & Law, C. K. Proceedings of the Combustion Institute, 35(1) (2015) 309-316.
20.5) Fenard, Y., Dayma, G., Halter, F., Foucher, F., Serinyel, Z., & Dagaut, P. Energy & Fuels, 29(2) (2015) 1107-1118.
20.6) Li, Y., Zhou, C. W., Somers, K. P., Zhang, K., & Curran, H. J., Proceedings of the Combustion Institute, 36(1) (2017) 403-411.



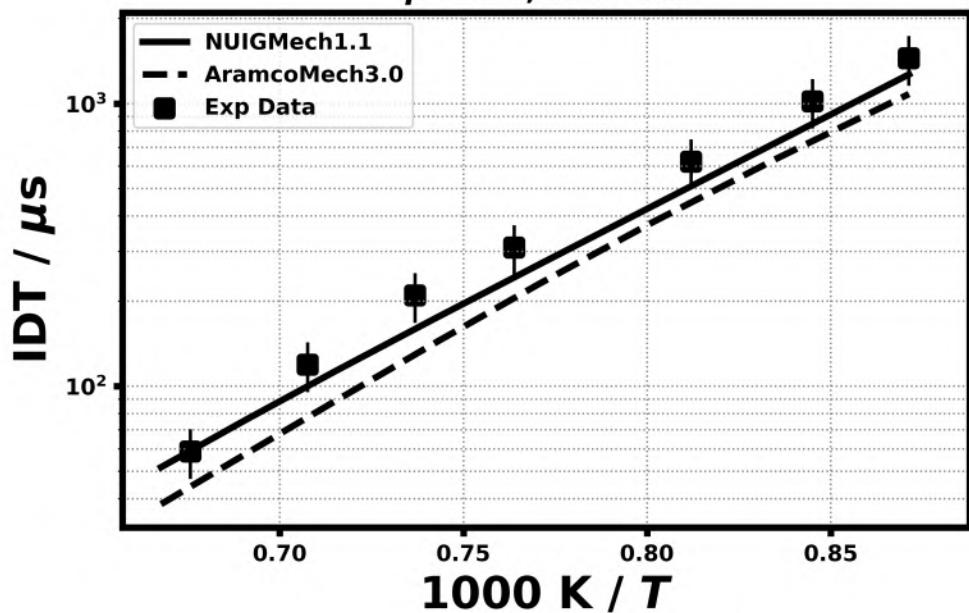
21. Validation for iC₄H₈

Shock tube ignition delay time

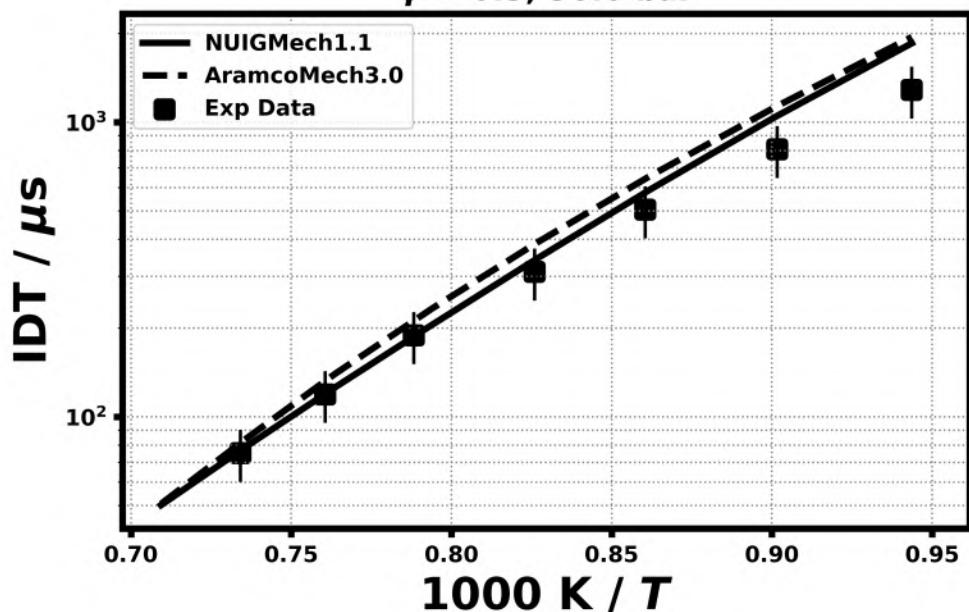
21.1) Li, Y., Zhou, C. W., Somers, K. P., Zhang, K., & Curran, H. J., Proceedings of the Combustion Institute, 36(1) (2017) 403-411.



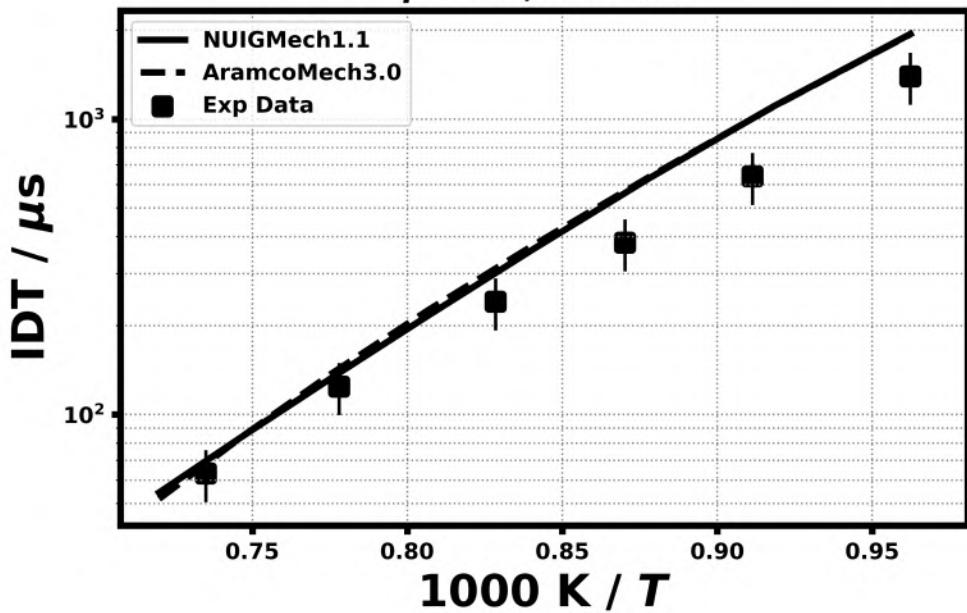
$2.0\% \text{IC}_4\text{H}_8$
 $6.0\% \text{O}_2, 22.571\% \text{N}_2$
 $\phi = 2.0, 10.0 \text{ bar}$



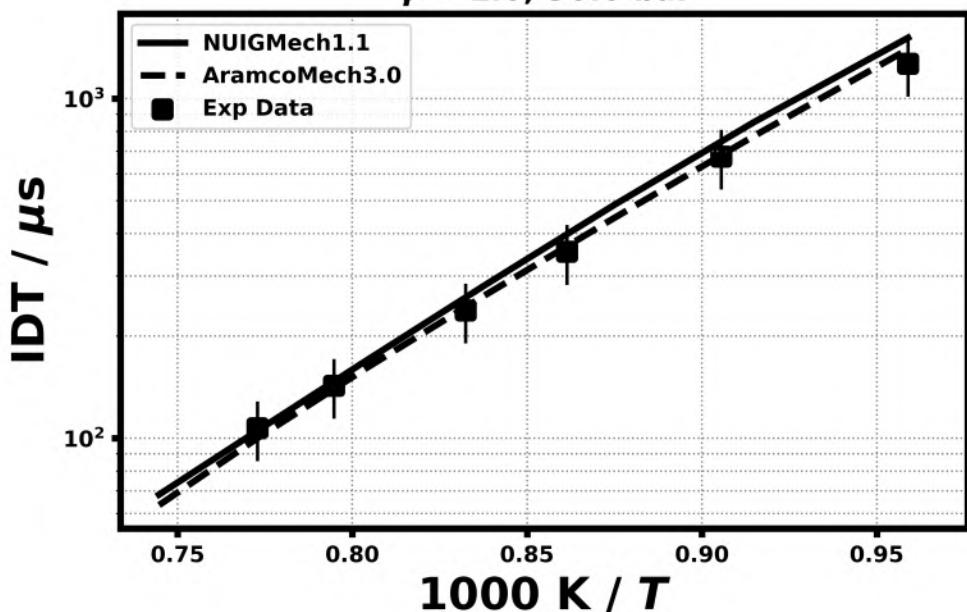
$0.3\% \text{IC}_4\text{H}_8$
 $6.0\% \text{O}_2, 22.571\% \text{N}_2$
 $\phi = 0.3, 30.0 \text{ bar}$



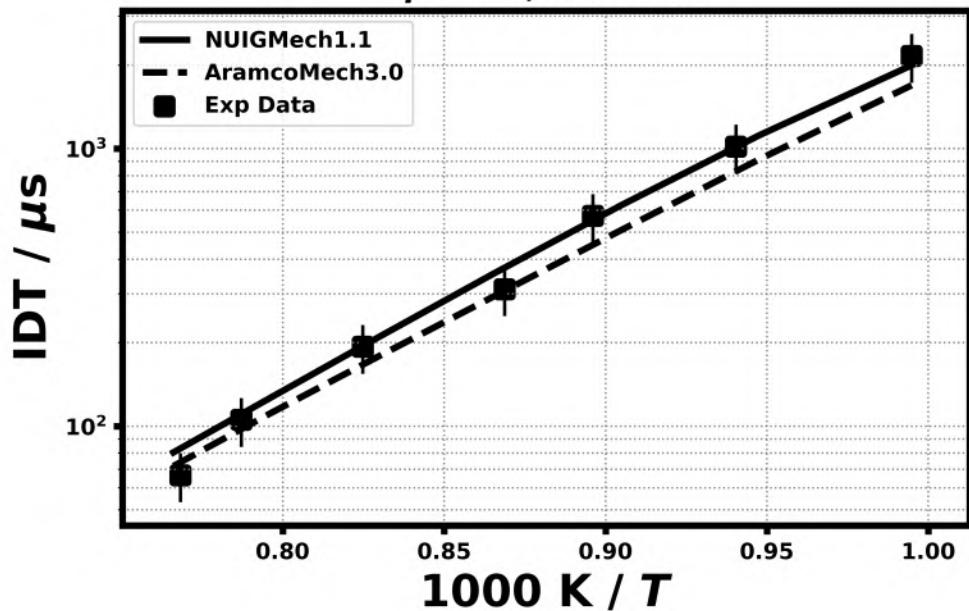
$0.5\% \text{ IC}_4\text{H}_8$
 $6.0\% \text{ O}_2, 22.571\% \text{ N}_2$
 $\phi = 0.5, 30.0 \text{ bar}$



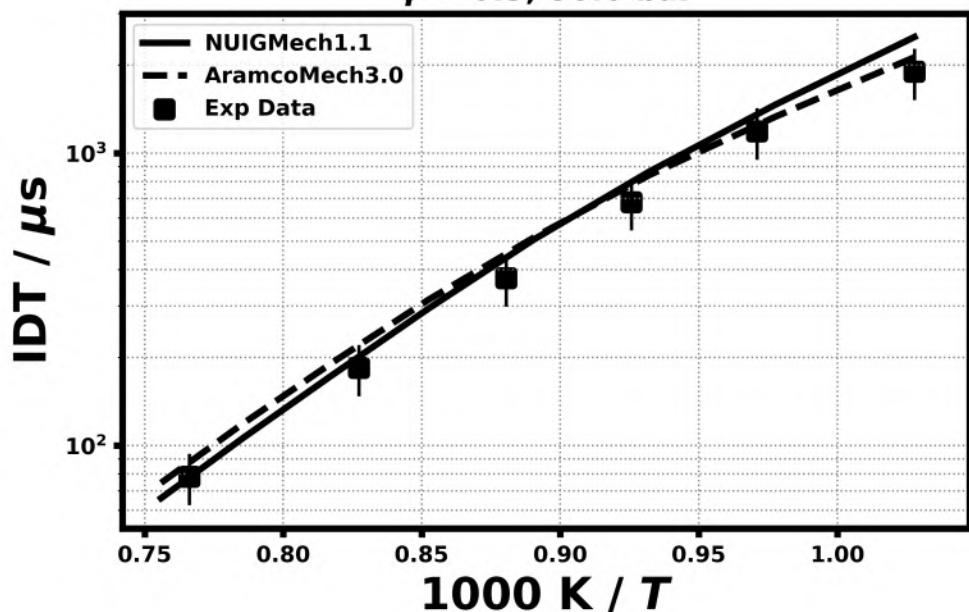
$1.0\% \text{ IC}_4\text{H}_8$
 $6.0\% \text{ O}_2, 22.571\% \text{ N}_2$
 $\phi = 1.0, 30.0 \text{ bar}$



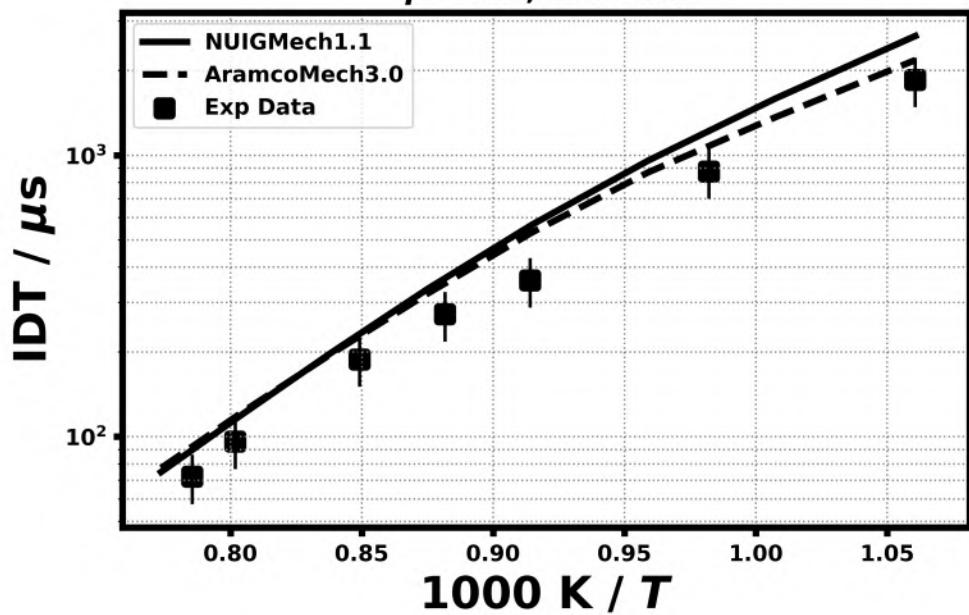
2.0% IC₄H₈
6.0% O₂, 22.571% N₂
 $\phi = 2.0, 30.0$ bar



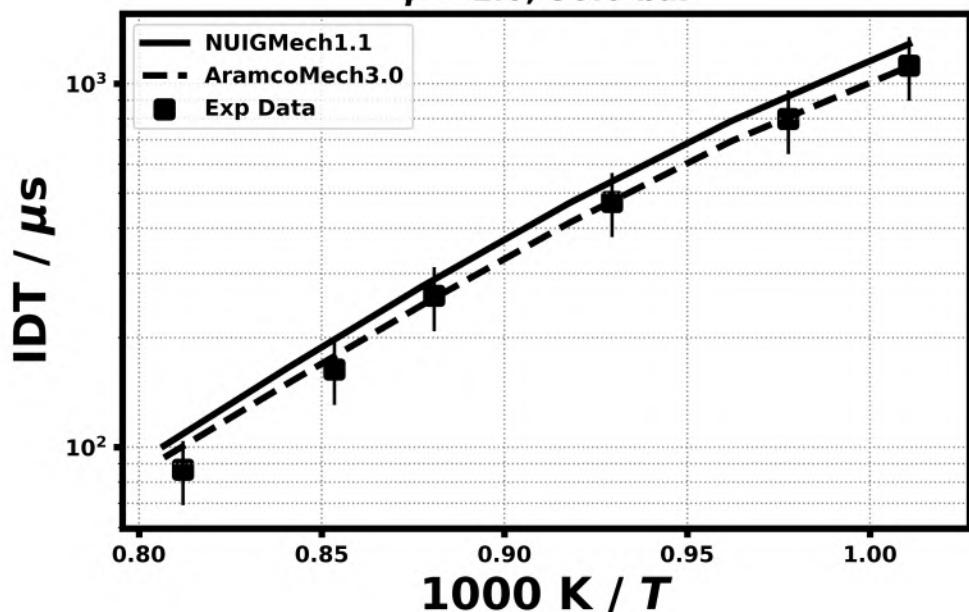
0.3% IC₄H₈
6.0% O₂, 22.571% N₂
 $\phi = 0.3, 50.0$ bar

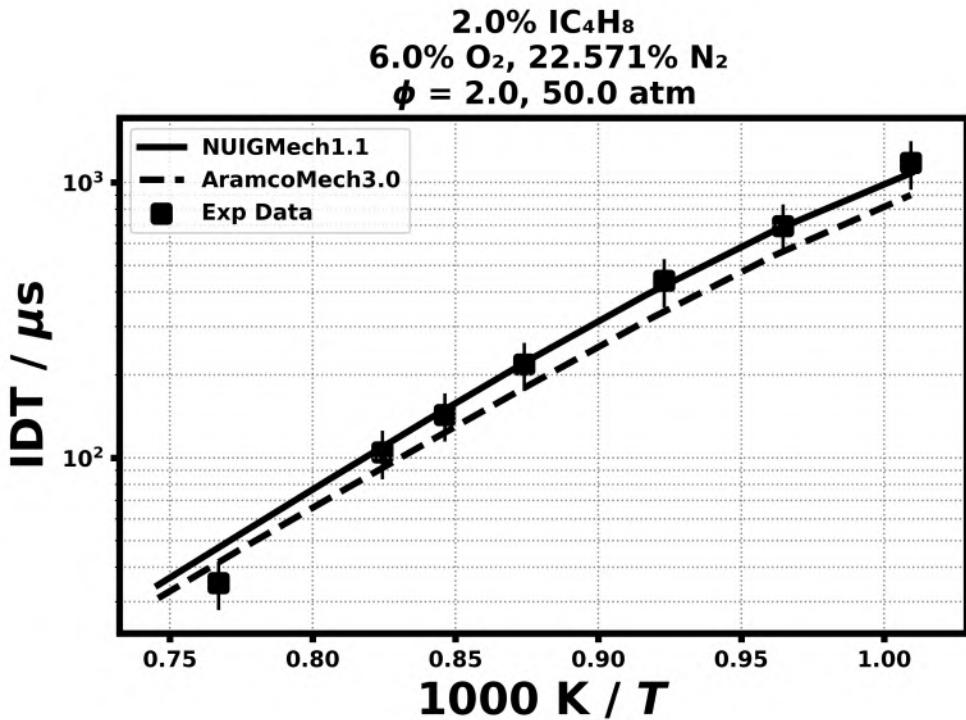


$0.5\% \text{IC}_4\text{H}_8$
 $6.0\% \text{O}_2, 22.571\% \text{N}_2$
 $\phi = 0.5, 50.0 \text{ bar}$



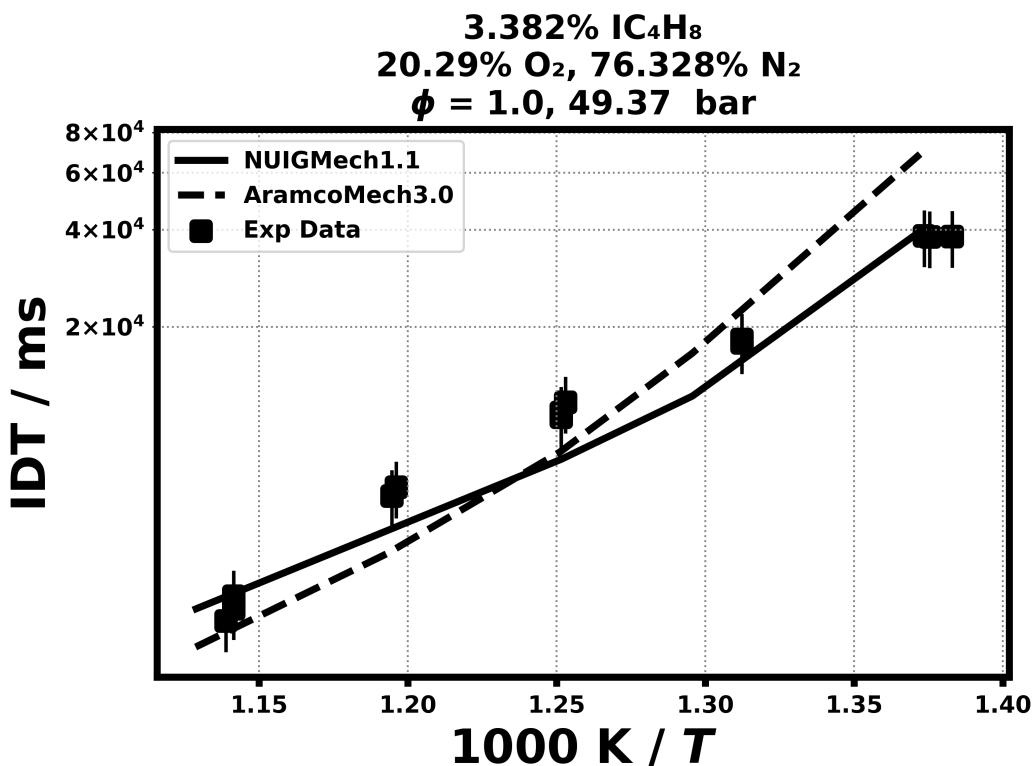
$1.0\% \text{IC}_4\text{H}_8$
 $6.0\% \text{O}_2, 22.571\% \text{N}_2$
 $\phi = 1.0, 50.0 \text{ bar}$



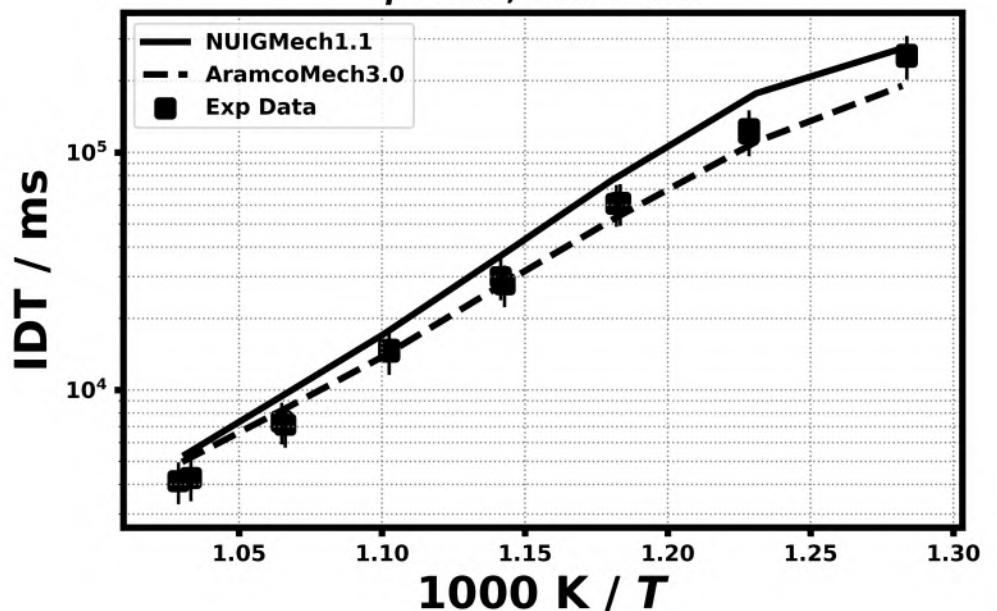


RCM Ignition delay time

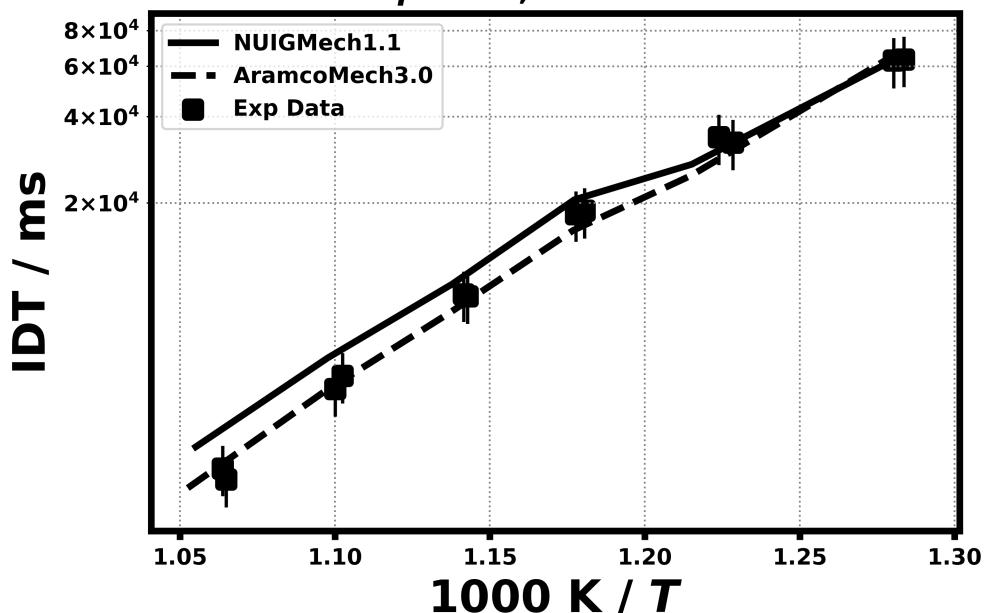
21.2) Li, Y., Zhou, C. W., Somers, K. P., Zhang, K., & Curran, H. J., Proceedings of the Combustion Institute, 36(1) (2017) 403-411.

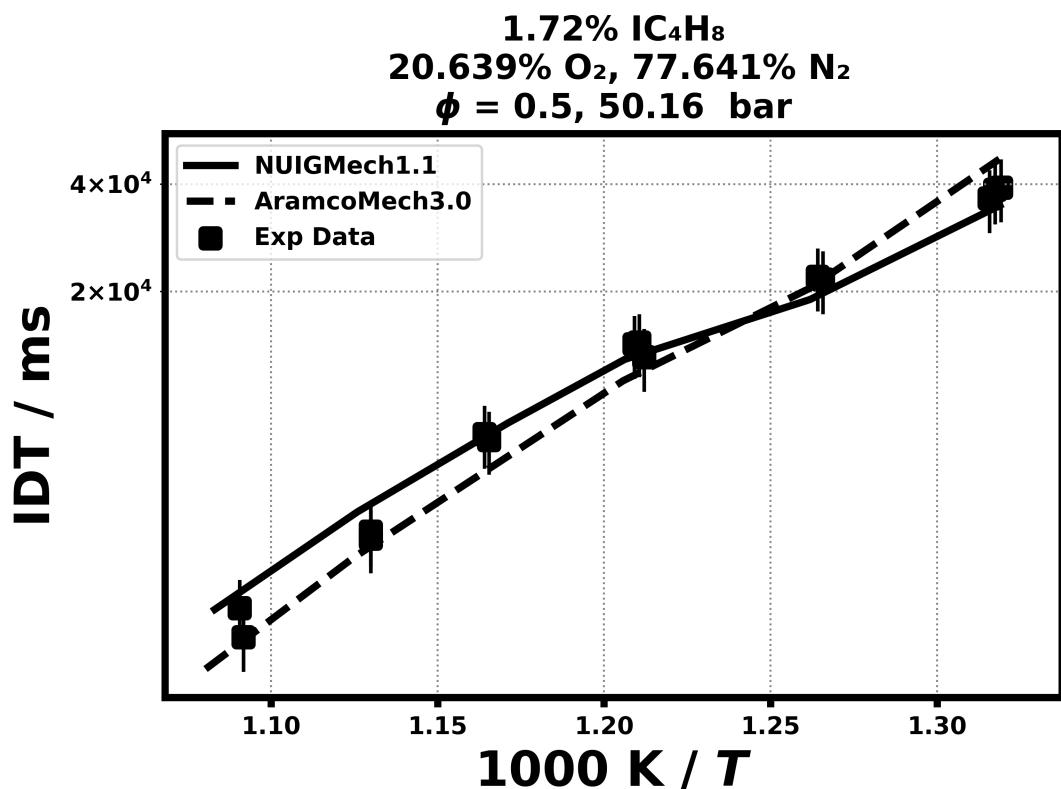
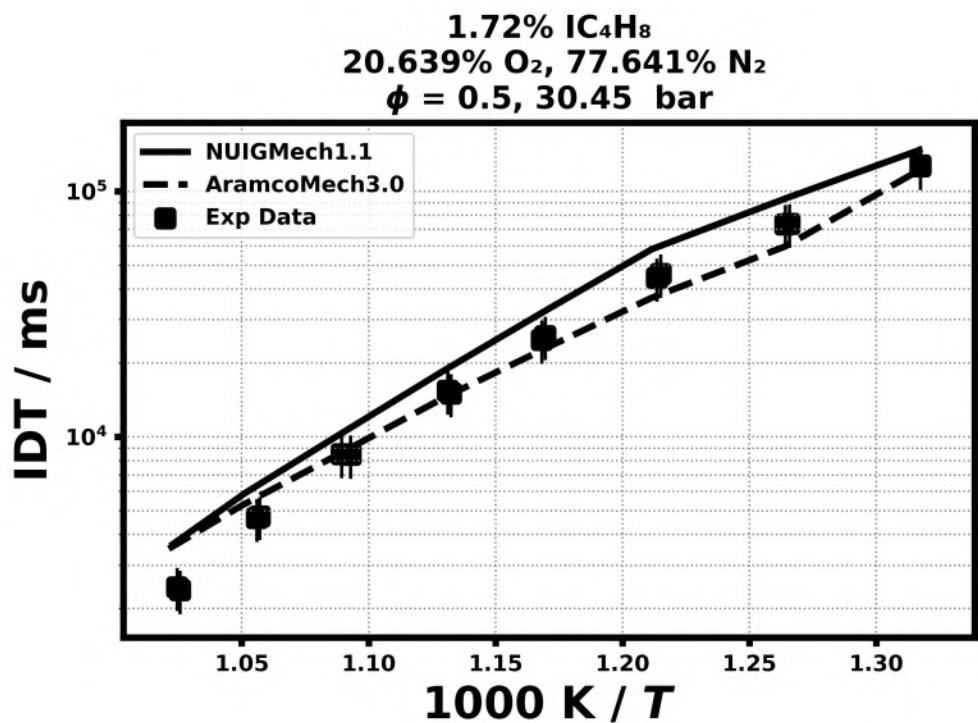


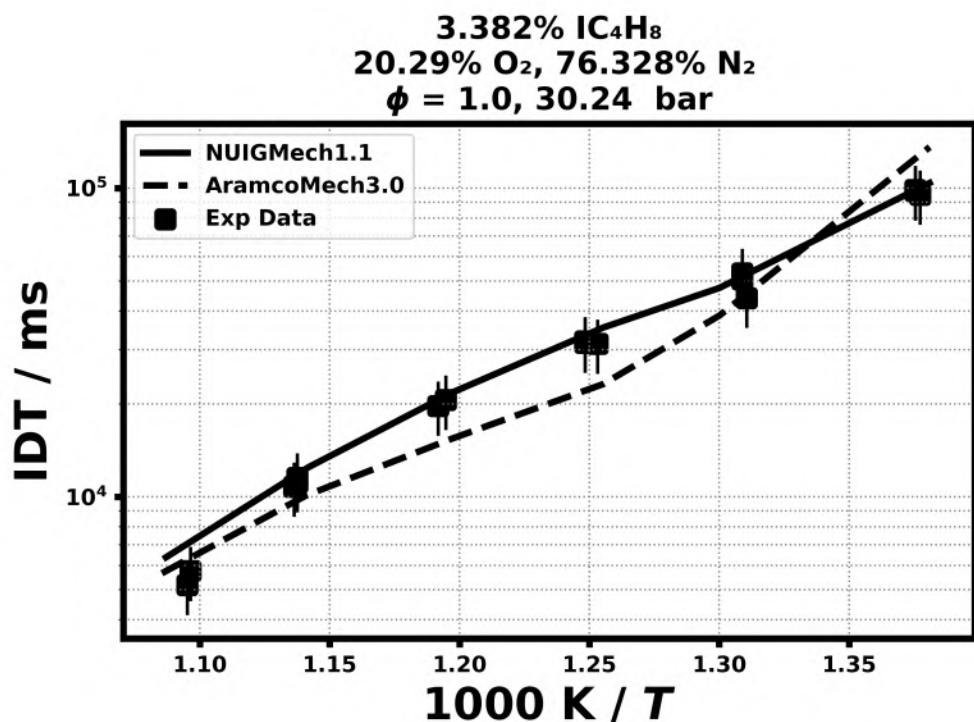
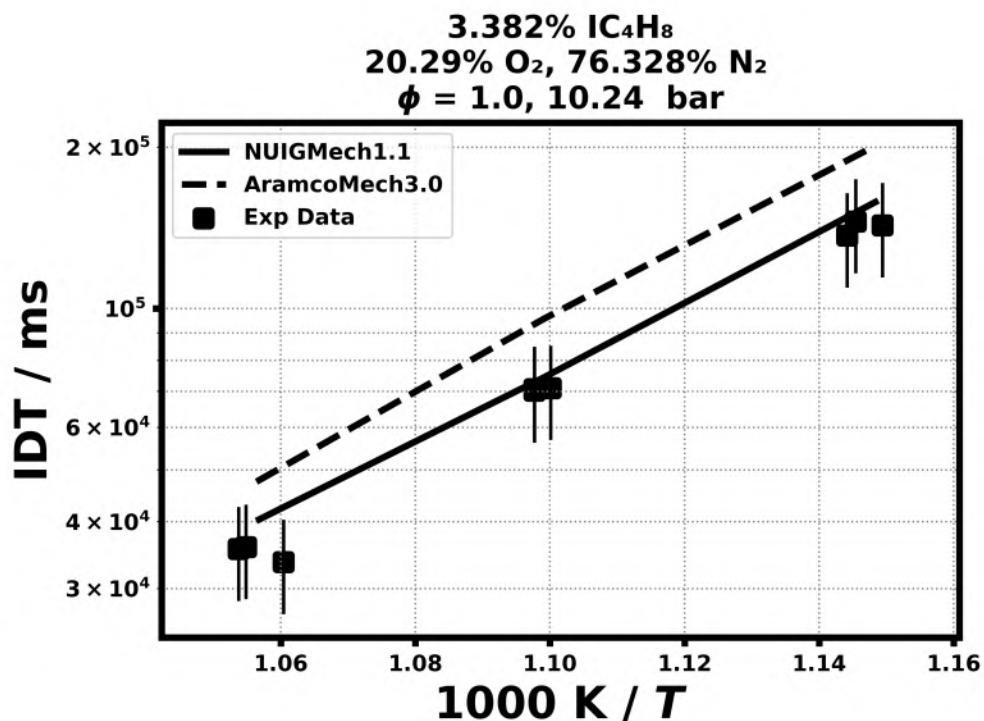
$1.039\% \text{ IC}_4\text{H}_8$
 $20.782\% \text{ O}_2, 78.179\% \text{ N}_2$
 $\phi = 0.3, 30.55 \text{ bar}$



$1.039\% \text{ IC}_4\text{H}_8$
 $20.782\% \text{ O}_2, 78.179\% \text{ N}_2$
 $\phi = 0.3, 50.14 \text{ bar}$

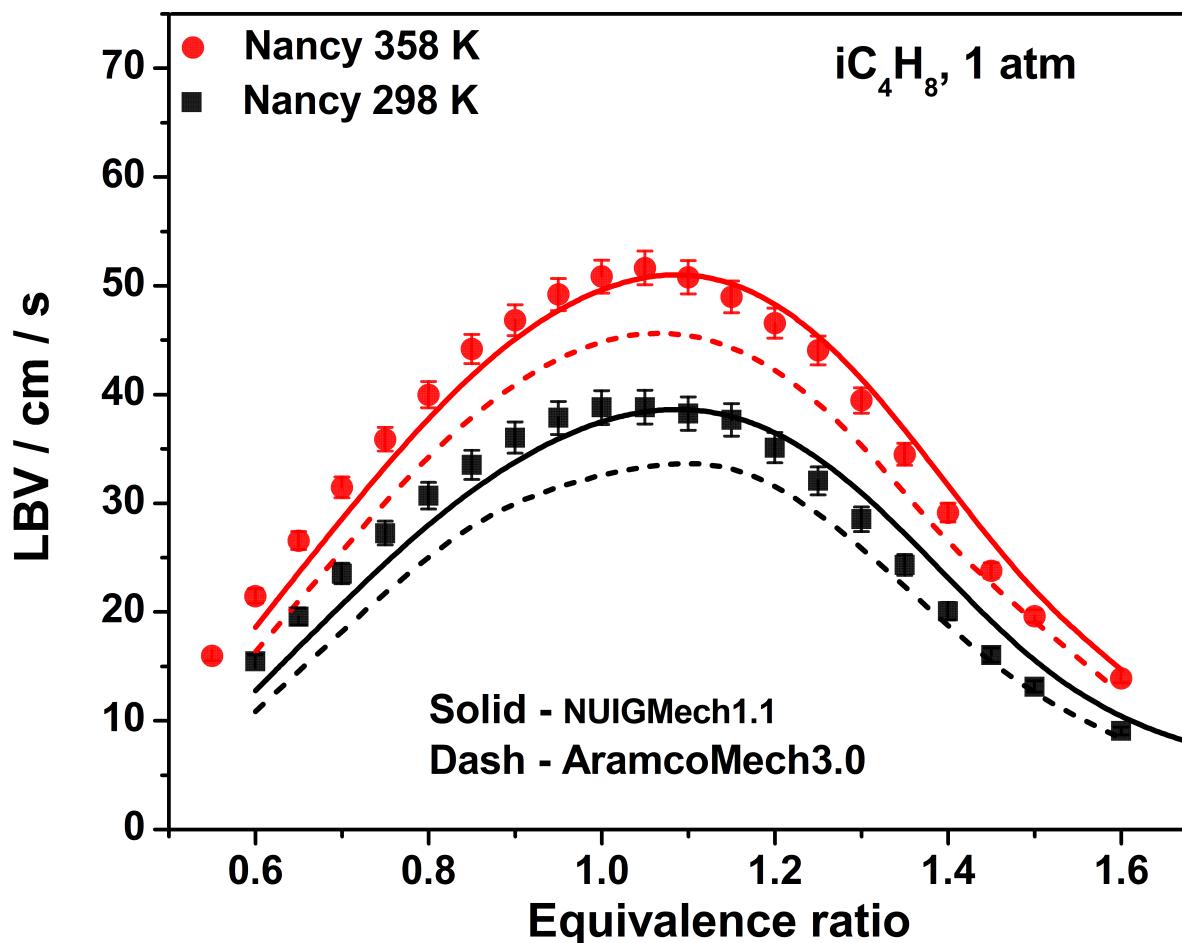






Laminar flame speed

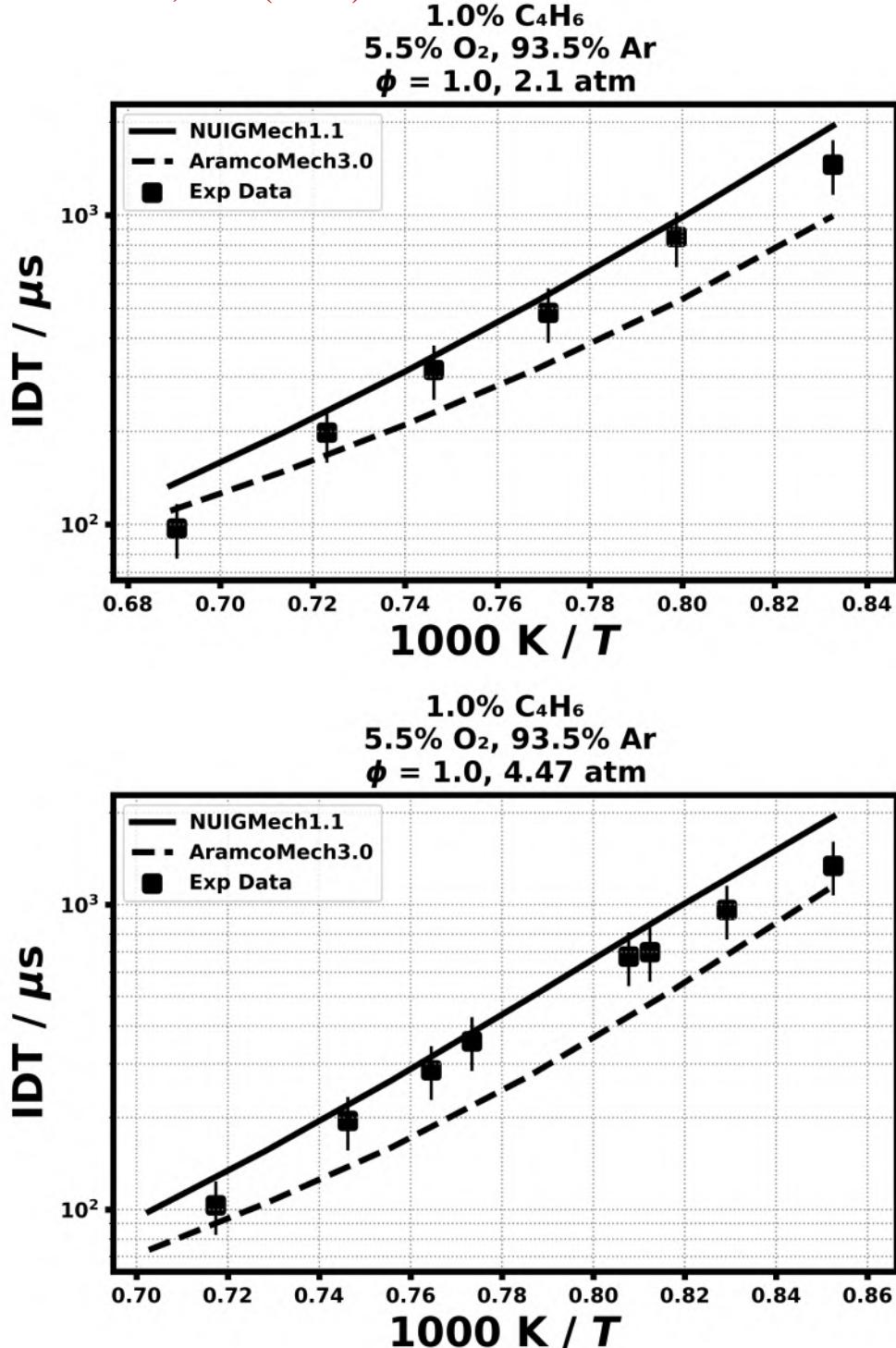
21.3) Zhou, C. W., Li, Y., O'Connor, E., Somers, K. P., Thion, S., Keesee, C., ... & Kukkadapu, G., Combustion and Flame, 167 (2016) 353-379.



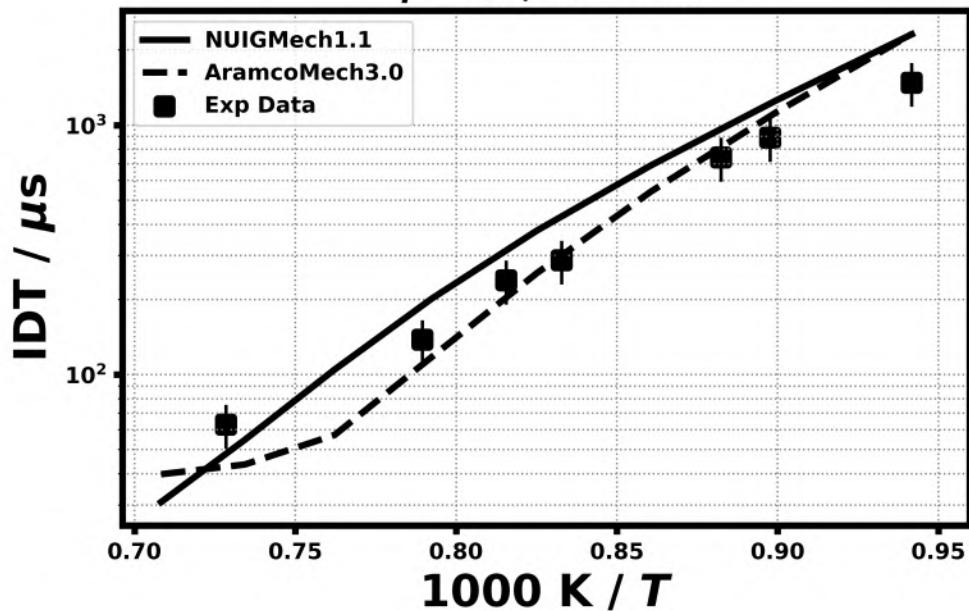
22. Validation for 1,3-C₄H₆

Shock tube ignition delay time

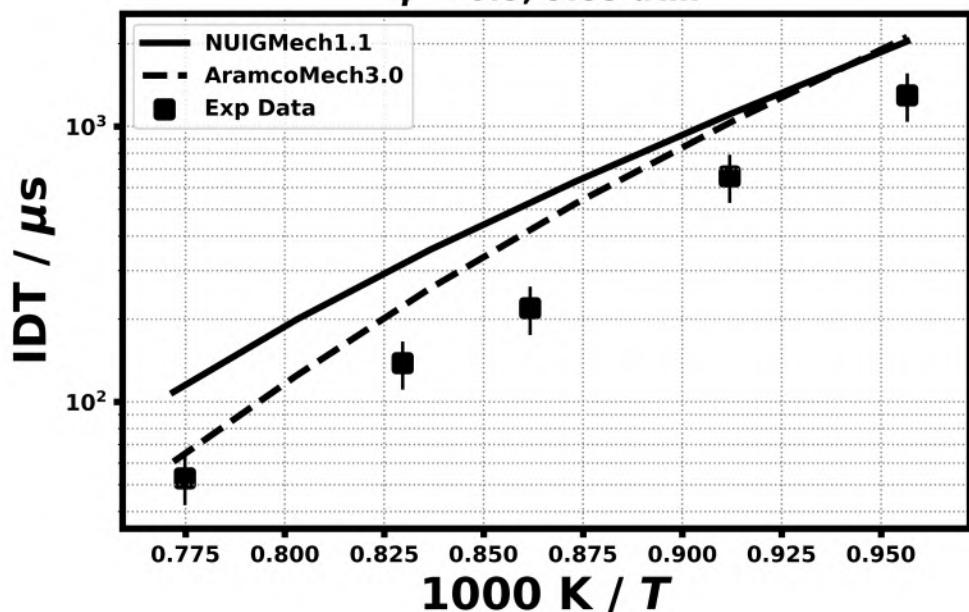
21.1) Zhou, C. W., Li, Y., Burke, U., Banyon, C., Somers, K. P., Ding, S., ... & Petersen, E. L., Combustion and Flame, 197 (2018) 423-438.



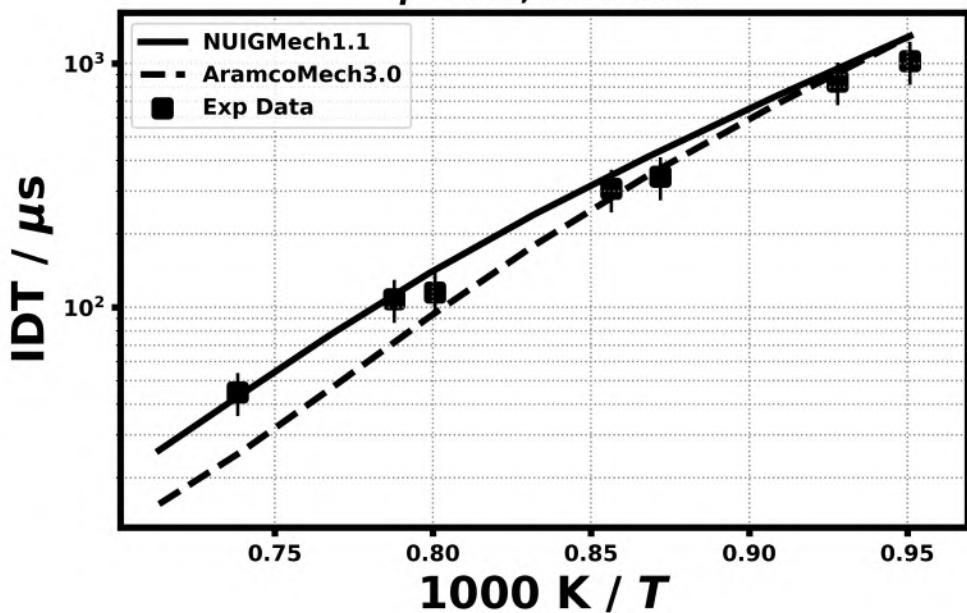
1.0% C₄H₆
18.33% O₂, 68.93% N₂
 $\phi = 0.3, 9.81 \text{ atm}$



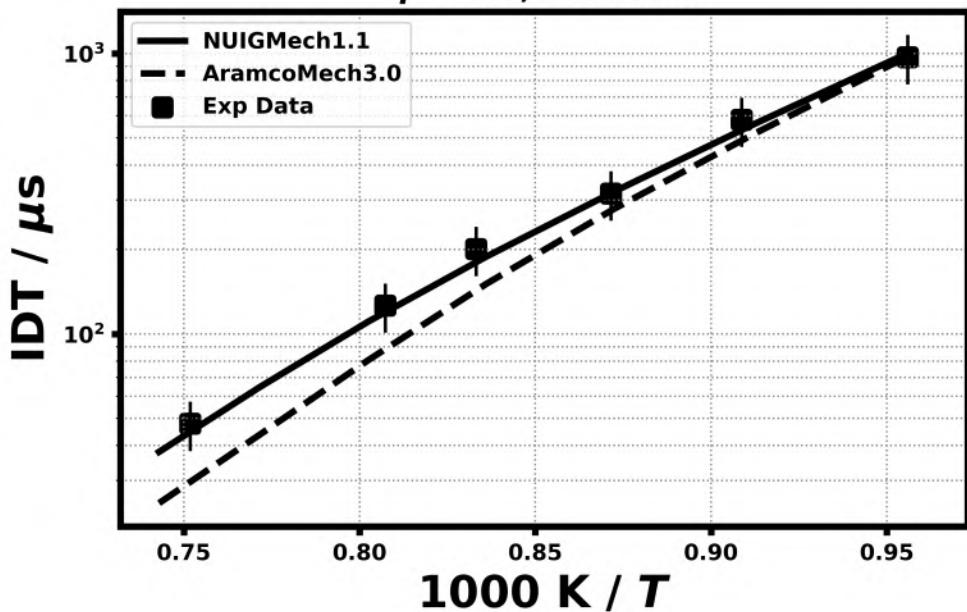
1.0% C₄H₆
11.0% O₂, 41.36% N₂
 $\phi = 0.5, 9.85 \text{ atm}$



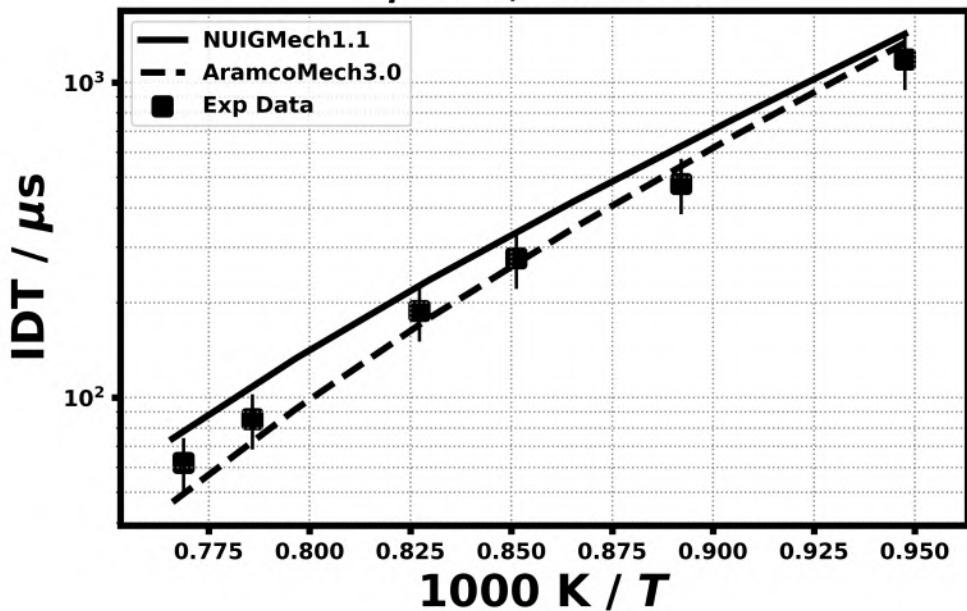
1.0% C₄H₆
5.5% O₂, 20.68% N₂
 $\phi = 1.0, 9.65 \text{ atm}$



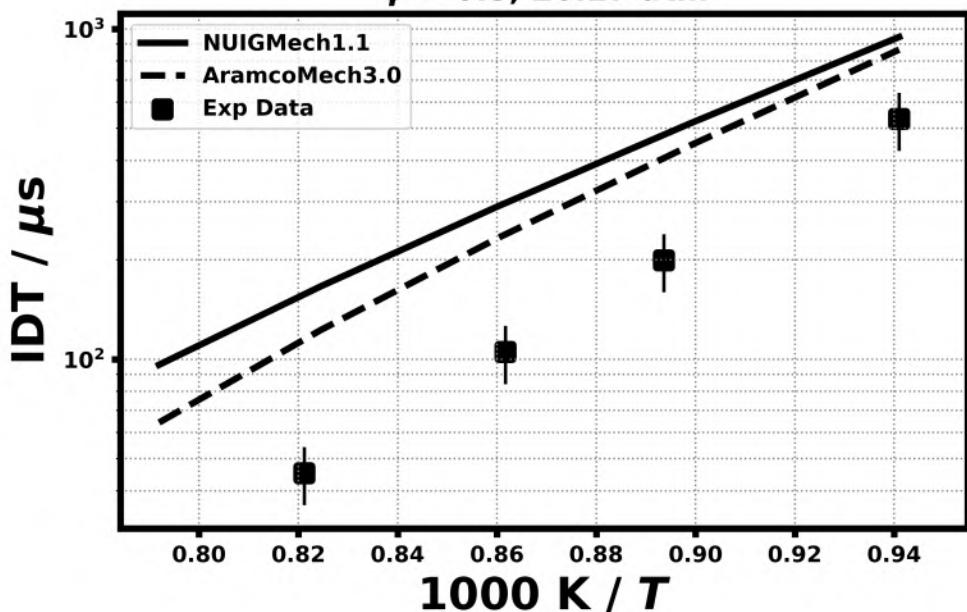
1.0% C₄H₆
2.75% O₂, 10.34% N₂
 $\phi = 2.0, 9.86 \text{ atm}$

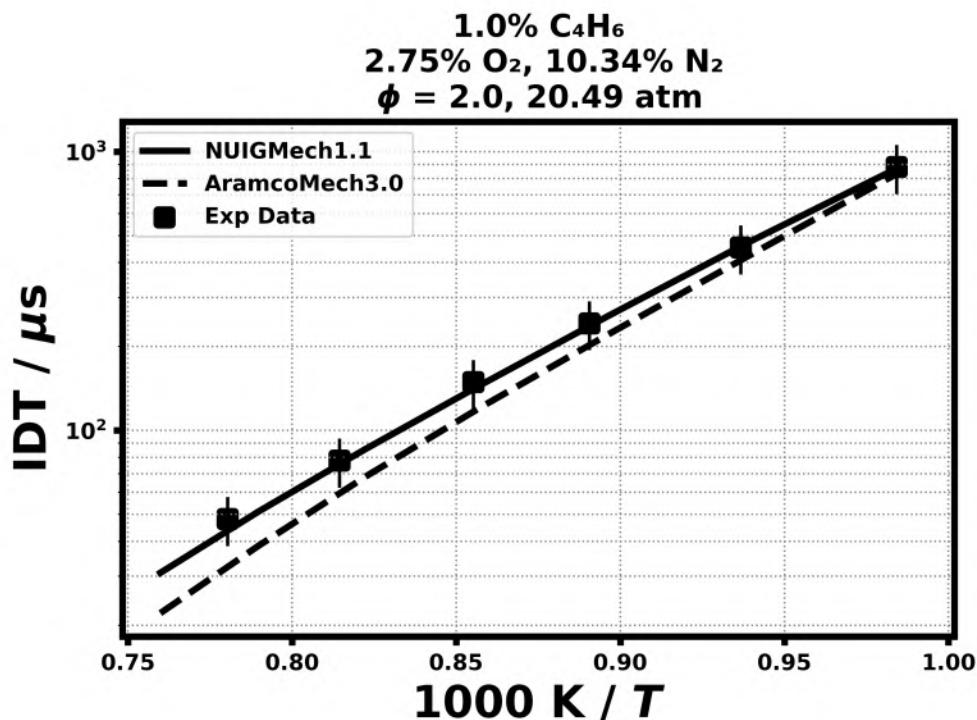
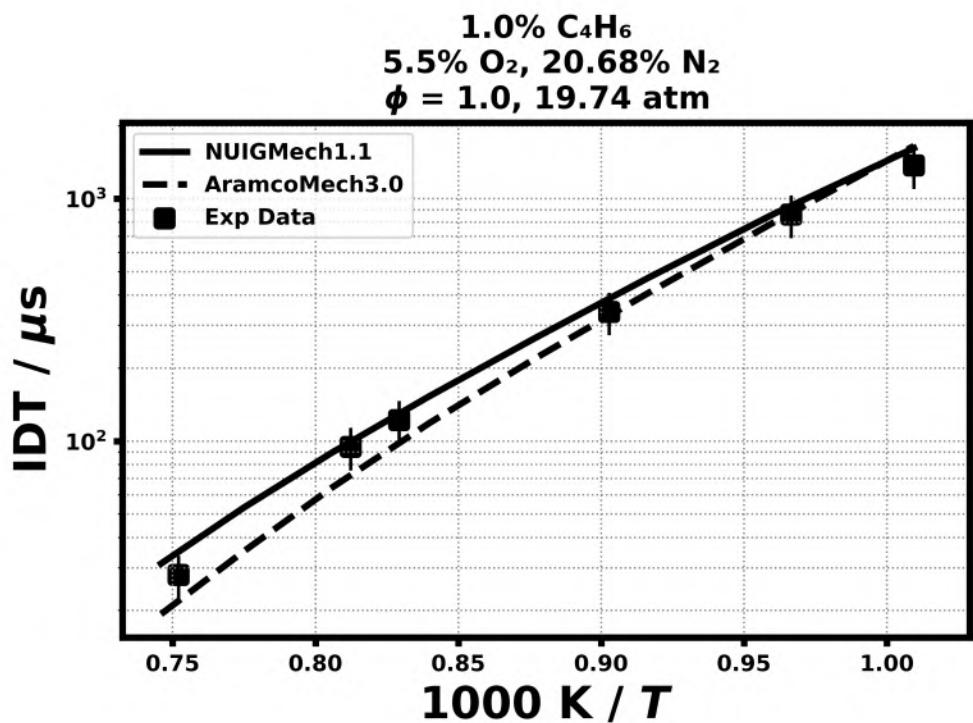


1.0% C₄H₆
18.33% O₂, 68.93% N₂
 $\phi = 0.3, 20.35 \text{ atm}$

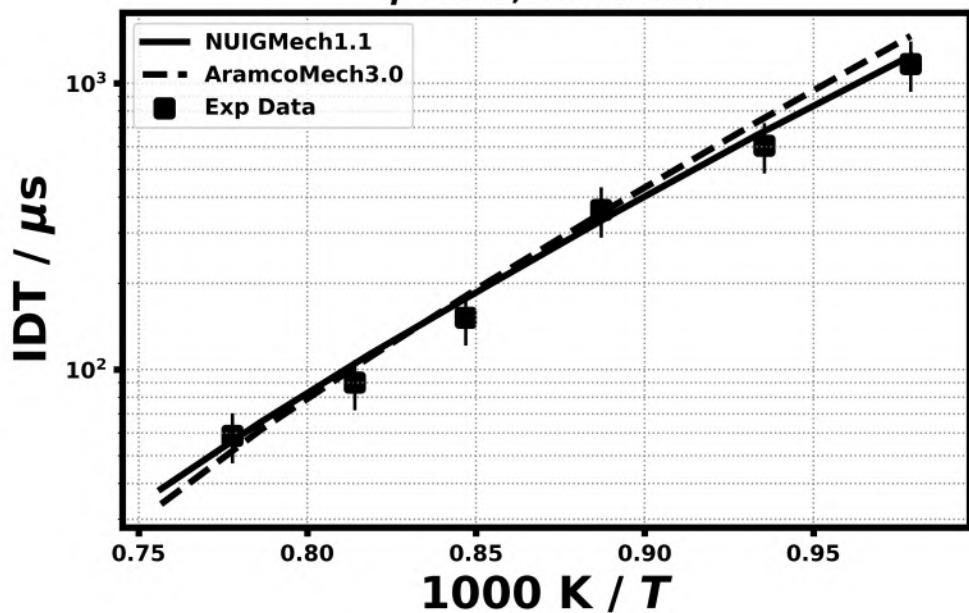


1.0% C₄H₆
11.0% O₂, 41.36% N₂
 $\phi = 0.5, 20.27 \text{ atm}$

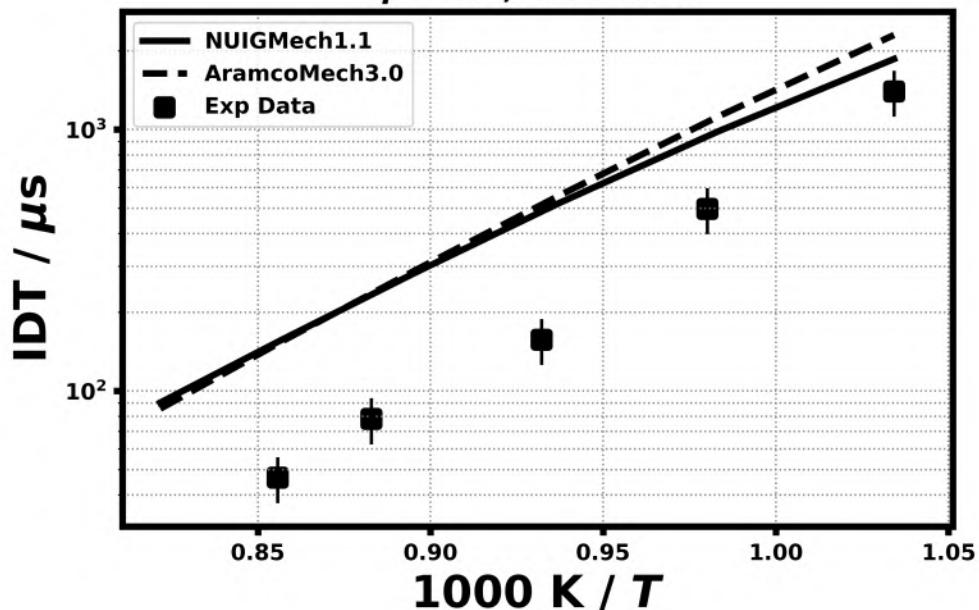




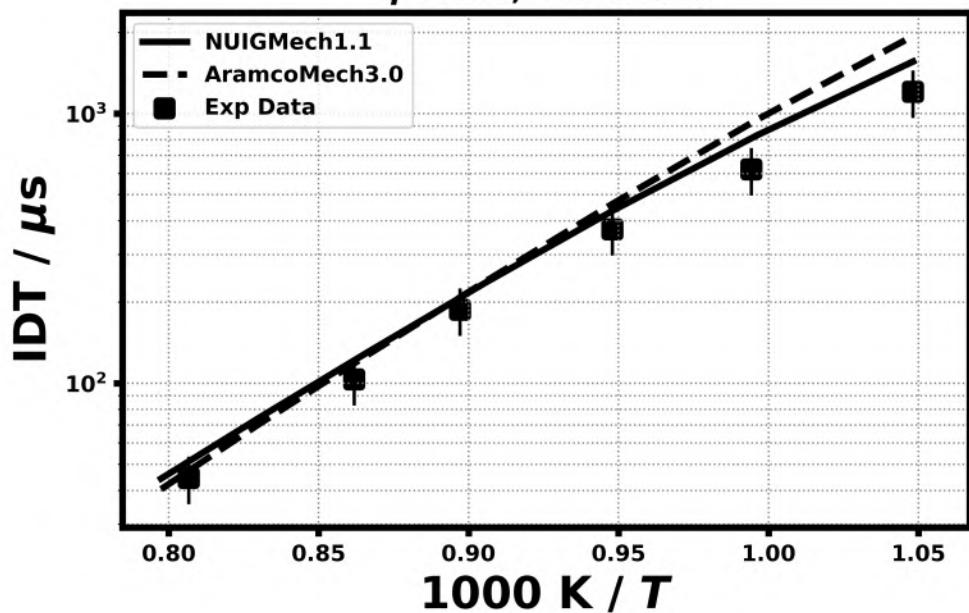
1.0% C₄H₆
18.33% O₂, 68.93% N₂
 $\phi = 0.3, 41.44 \text{ atm}$



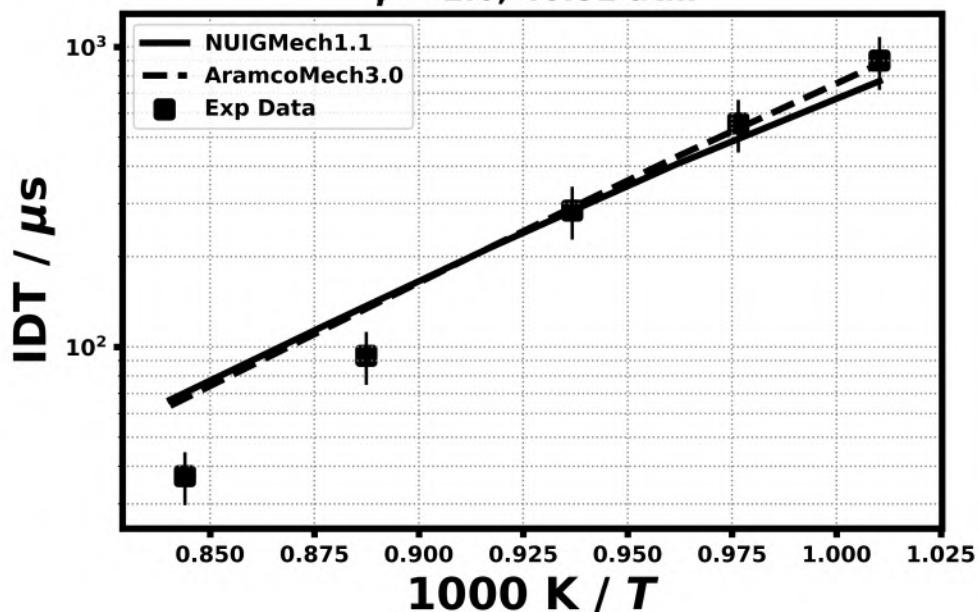
1.0% C₄H₆
11.0% O₂, 41.36% N₂
 $\phi = 0.5, 41.24 \text{ atm}$



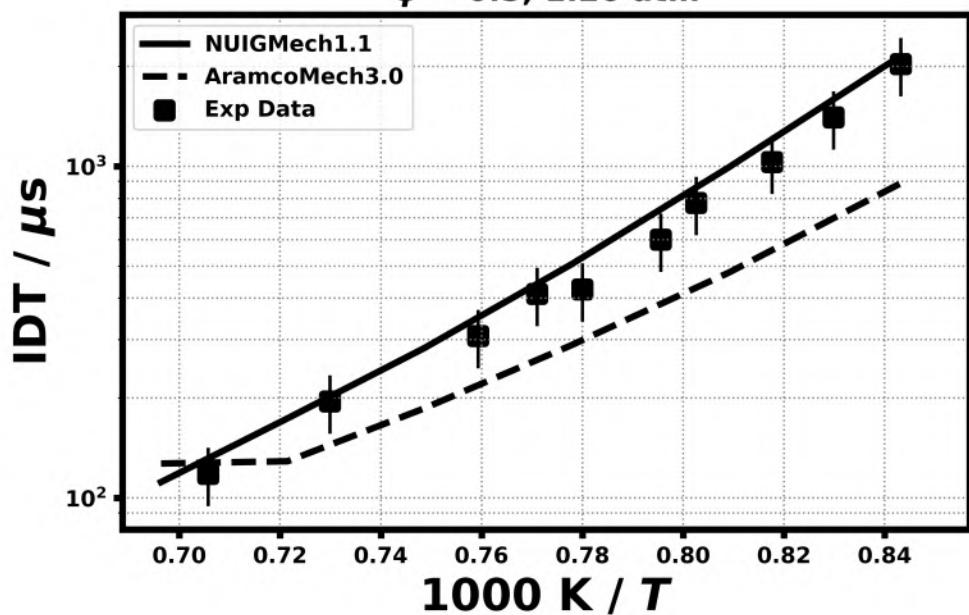
$1.0\% \text{C}_4\text{H}_6$
 $5.5\% \text{O}_2, 20.68\% \text{N}_2$
 $\phi = 1.0, 40.49 \text{ atm}$



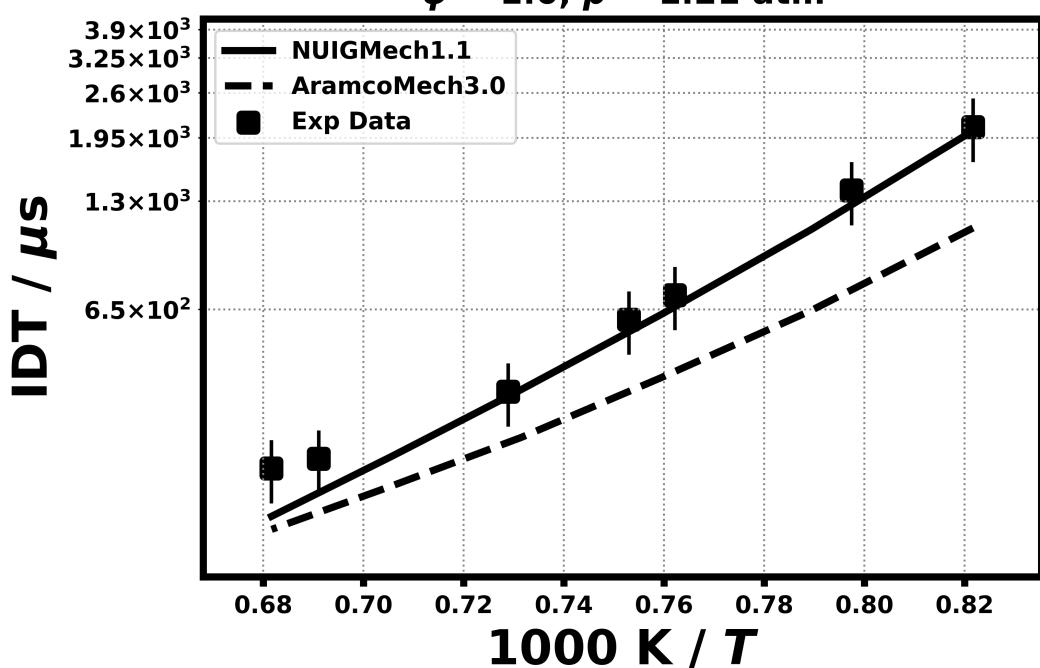
$1.0\% \text{C}_4\text{H}_6$
 $2.75\% \text{O}_2, 10.34\% \text{N}_2$
 $\phi = 2.0, 40.52 \text{ atm}$

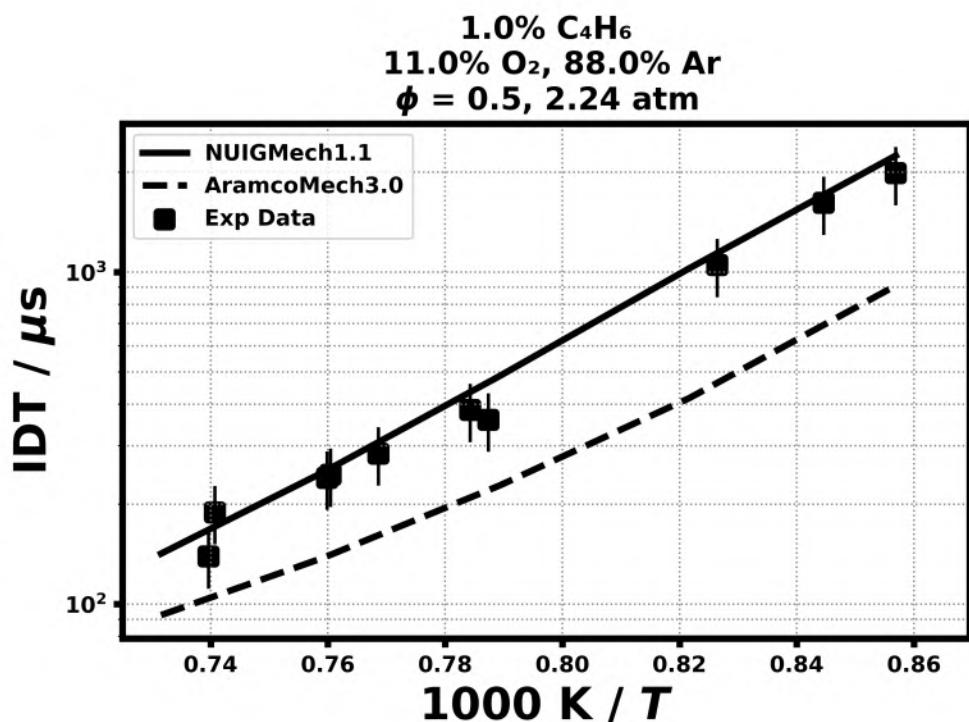
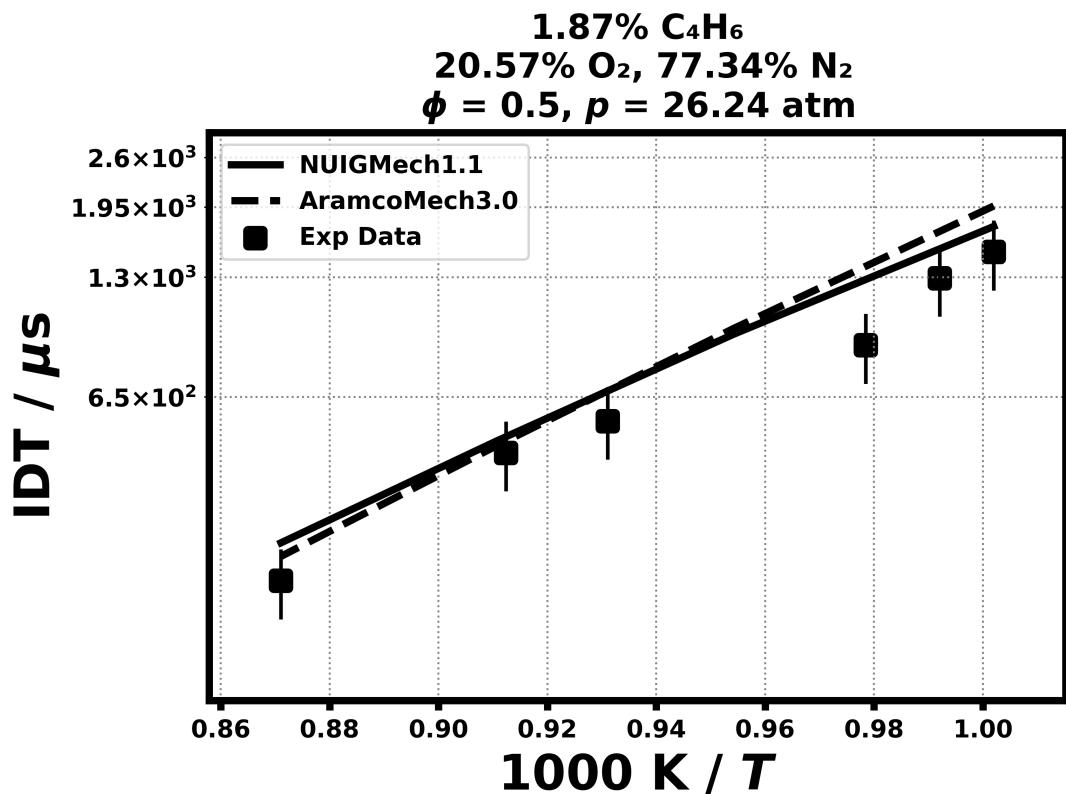


1.0% C₄H₆
11.0% O₂, 88.0% Ar
 $\phi = 0.5, 1.26 \text{ atm}$

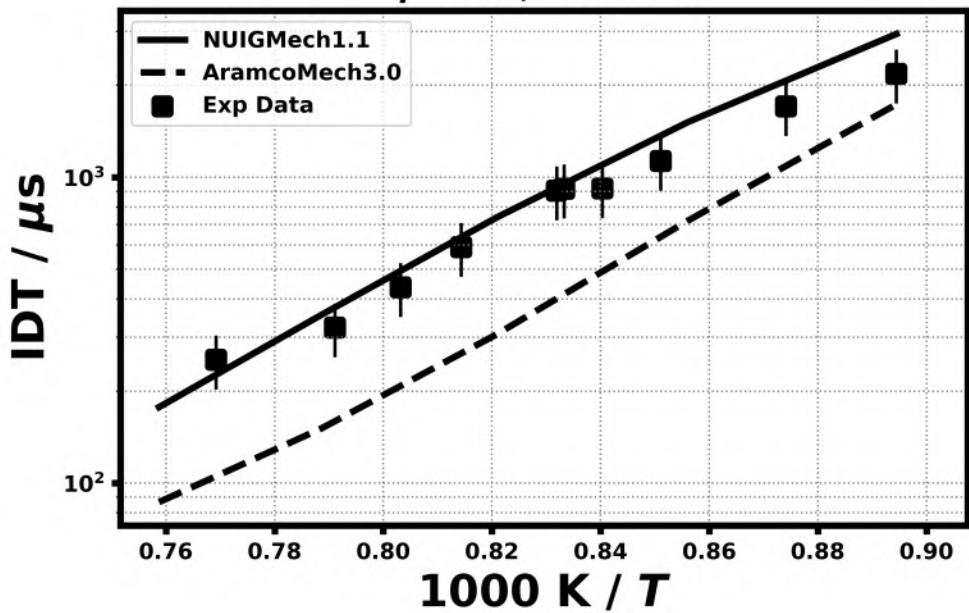


1.0% C₄H₆
5.5% O₂, 93.5% Ar
 $\phi = 1.0, p = 1.21 \text{ atm}$

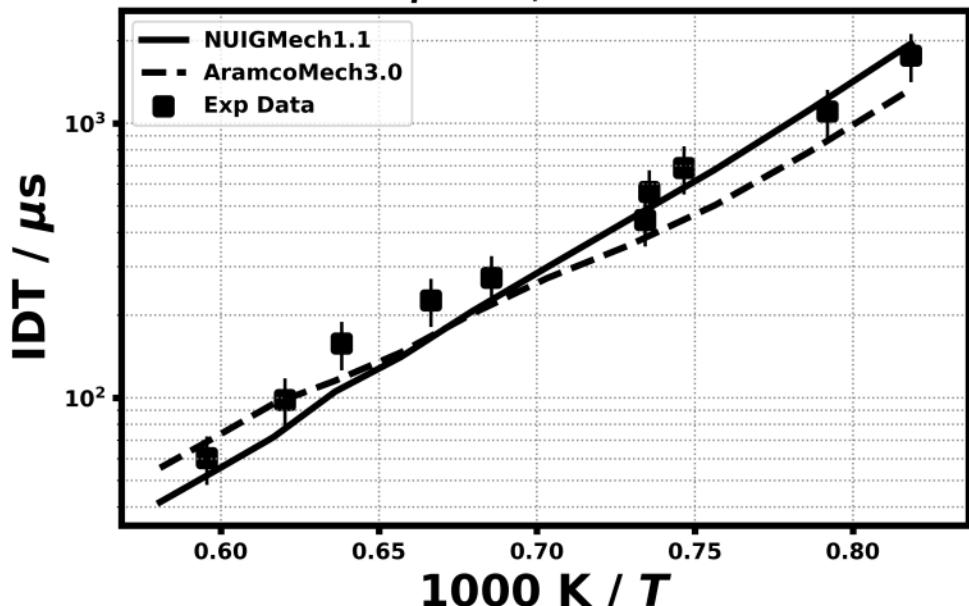




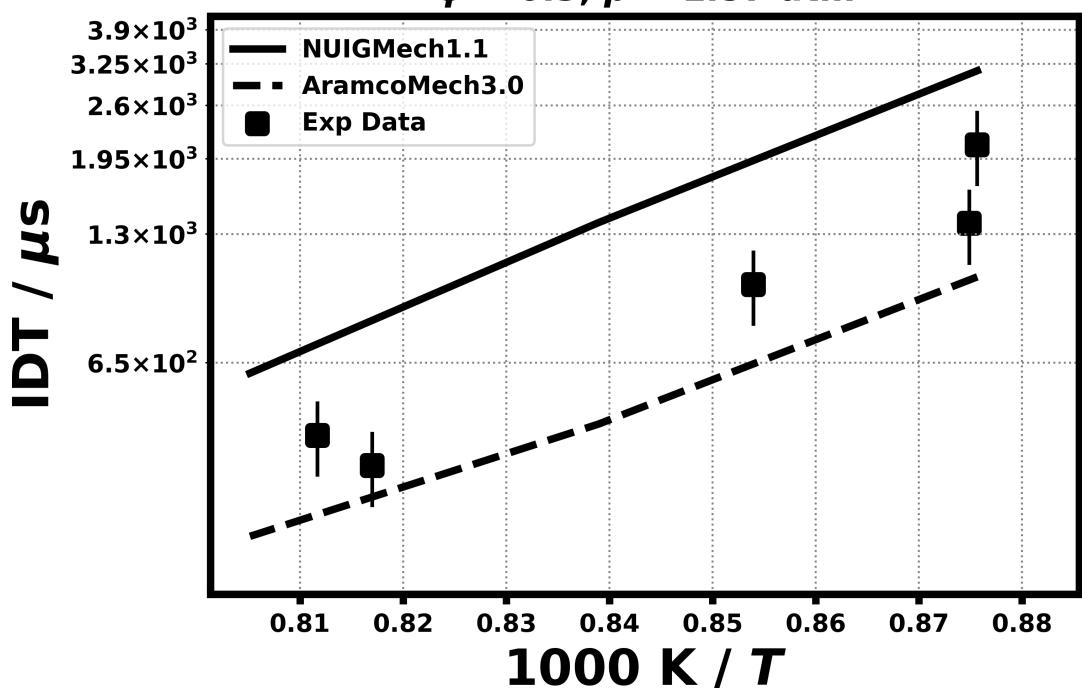
1.0% C₄H₆
11.0% O₂, 88.0% Ar
 $\phi = 0.5, 4.33 \text{ atm}$



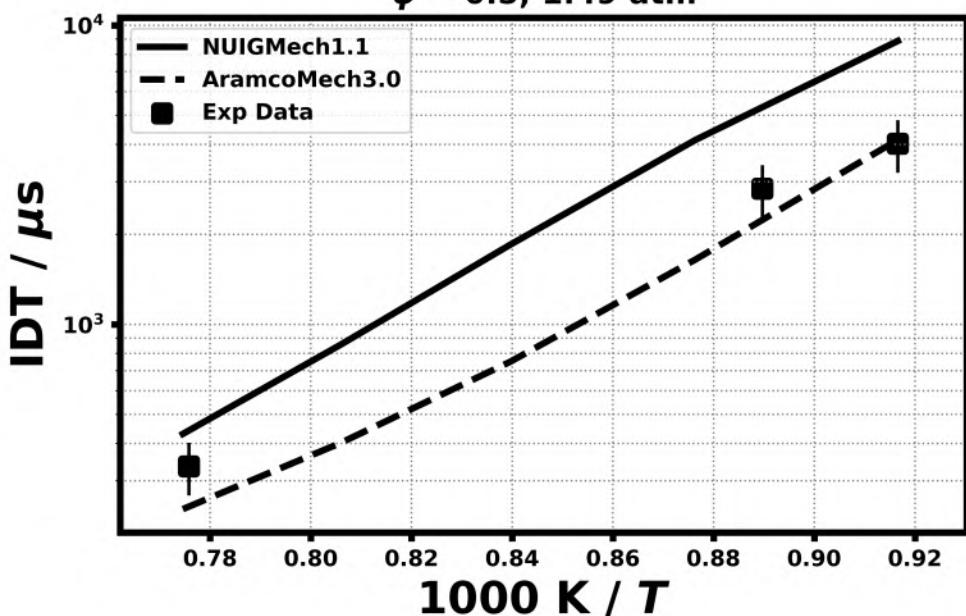
1.0% C₄H₆
2.75% O₂, 96.25% Ar
 $\phi = 2.0, 4.0 \text{ atm}$



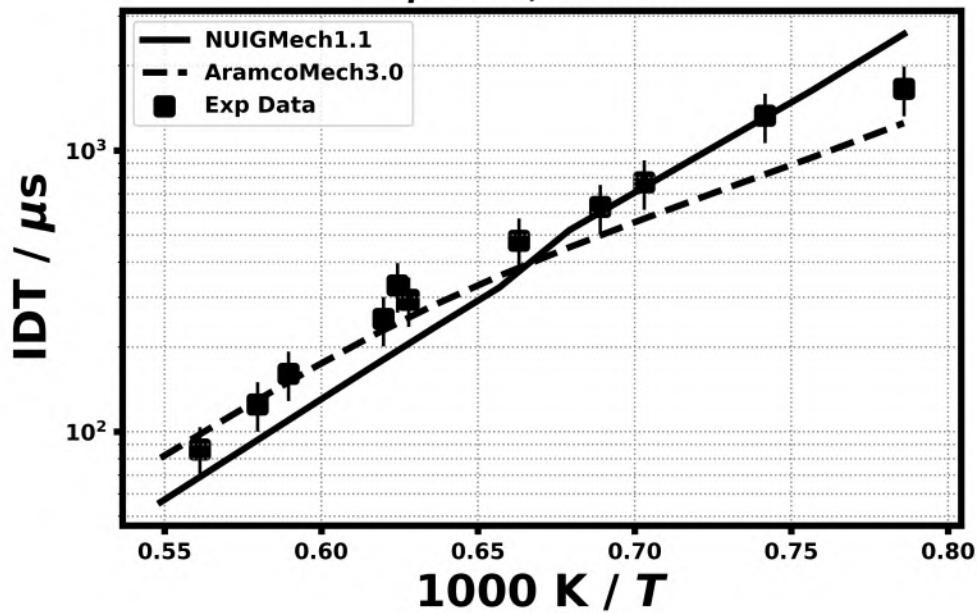
1.0% C₄H₆
18.33% O₂, 80.67% Ar
 $\phi = 0.3, p = 1.57 \text{ atm}$



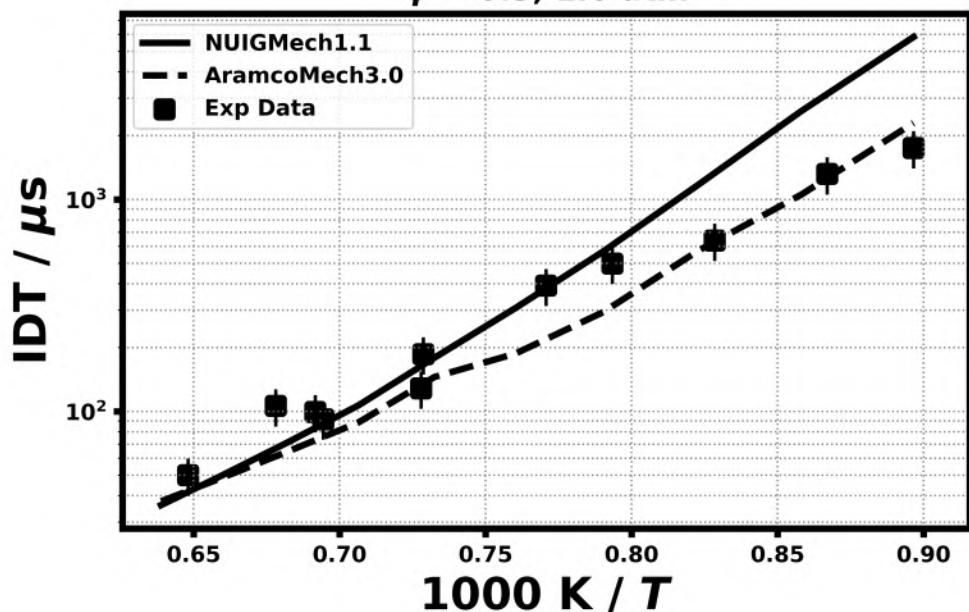
1.0% C₄H₆
11.0% O₂, 88.0% Ar
 $\phi = 0.5, 1.49 \text{ atm}$



1.0% C₄H₆
2.75% O₂, 96.25% Ar
 $\phi = 2.0, 1.0 \text{ atm}$



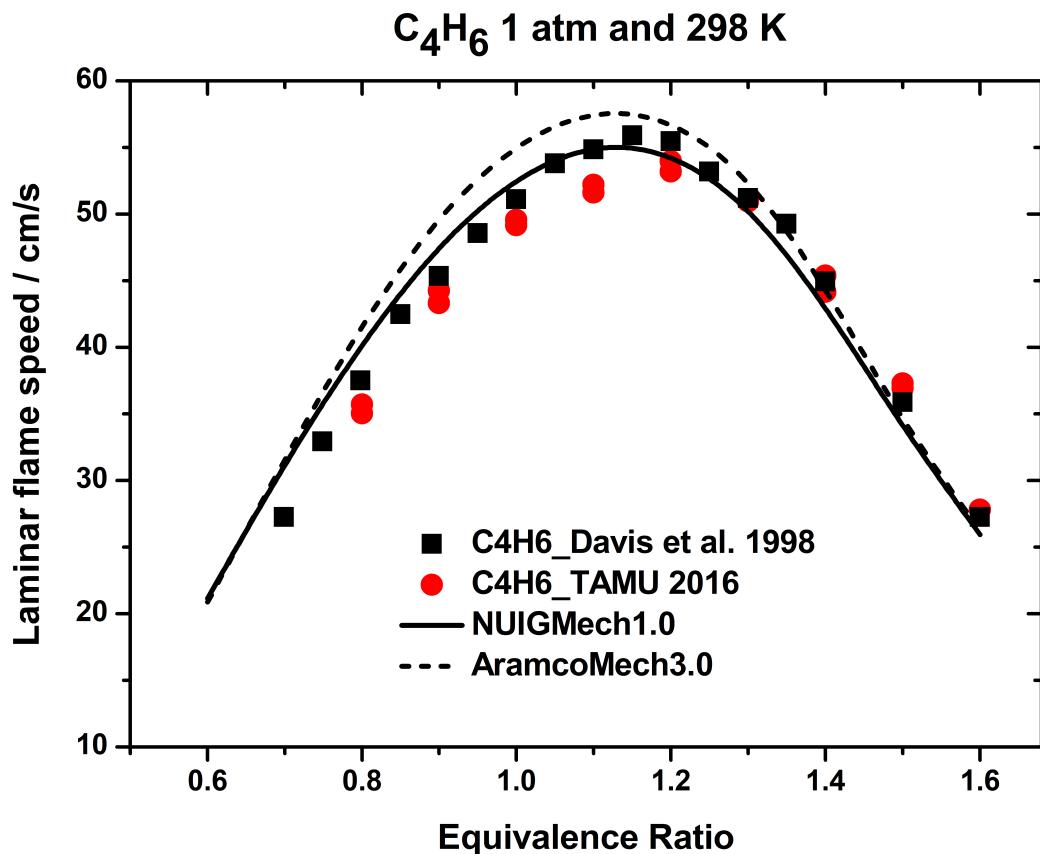
1.0% C₄H₆
18.33% O₂, 68.93% N₂
 $\phi = 0.3, 1.0 \text{ atm}$



Laminar flame speed of 1,3-C₄H₆

21.2) Zhou, C. W., Li, Y., Burke, U., Banyon, C., Somers, K. P., Ding, S., ... & Petersen, E. L., Combustion and Flame, 197 (2018) 423-438.

21.3) Davis, S. G., & Law, C. K., Combustion science and technology, 140(1-6) (1998) 427-449.



23. Validation for C₅H₁₂

Shock tube ignition delay time

0.7813% NC₅H₁₂
20.836% O₂, 78.383% N₂
 $\phi = 0.30, 9.79 \text{ atm}$

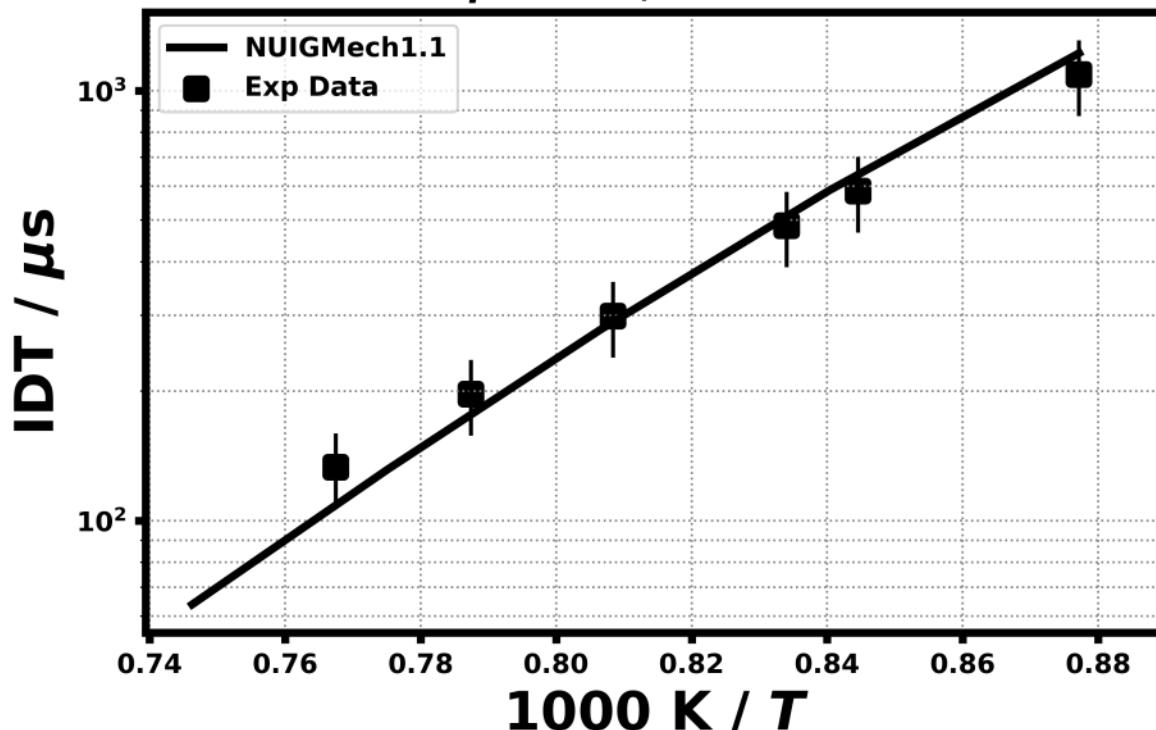


Figure 2: Dataset: 10_ATM_0.8_NC5H12_PHI_0.3

1.1.3 Case: n-C₅H₁₂/ST/BUGLER/10_ATM_1.3_NC5H12_PHI_0.5

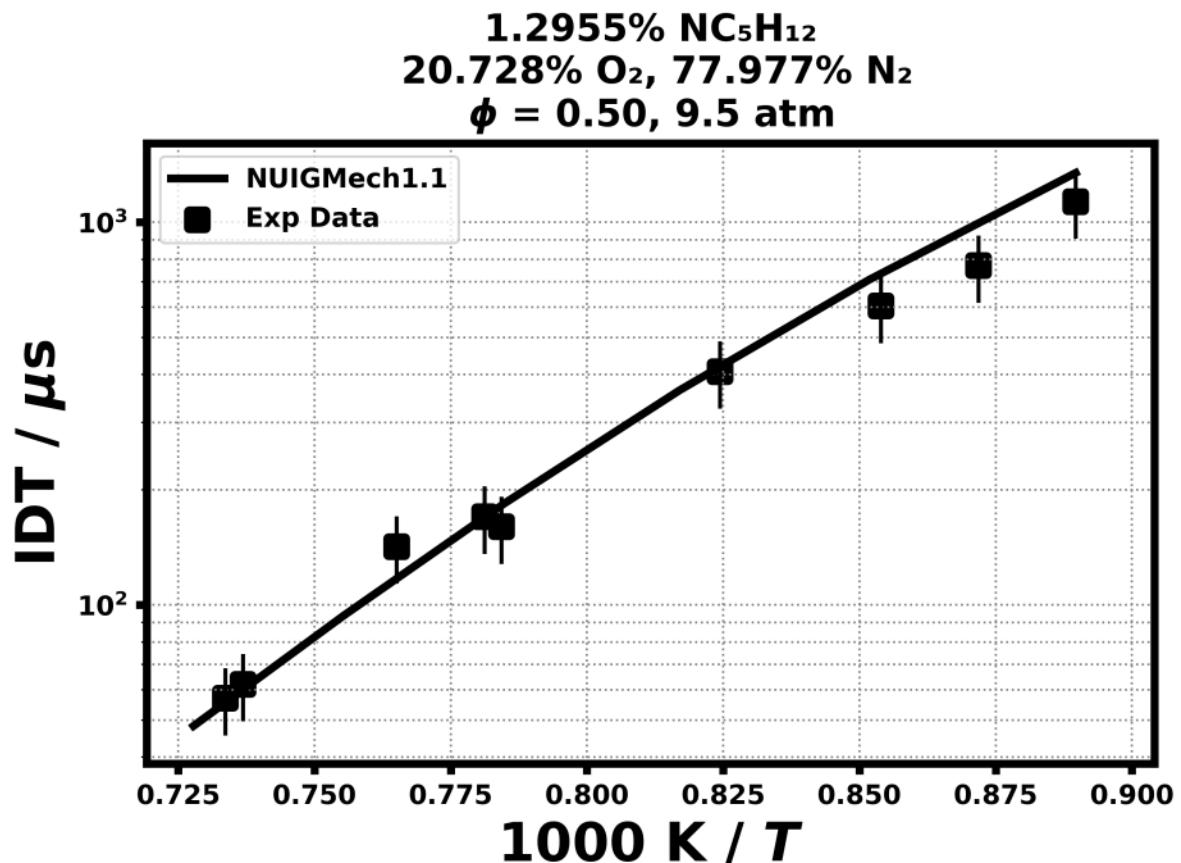


Figure 3: Dataset: 10_ATM_1.3_NC5H12_PHI_0.5

1.1.4 Case: n-C₅H₁₂/ST/BUGLER/10_ATM_2.6_NC5H12_PHI_1.0

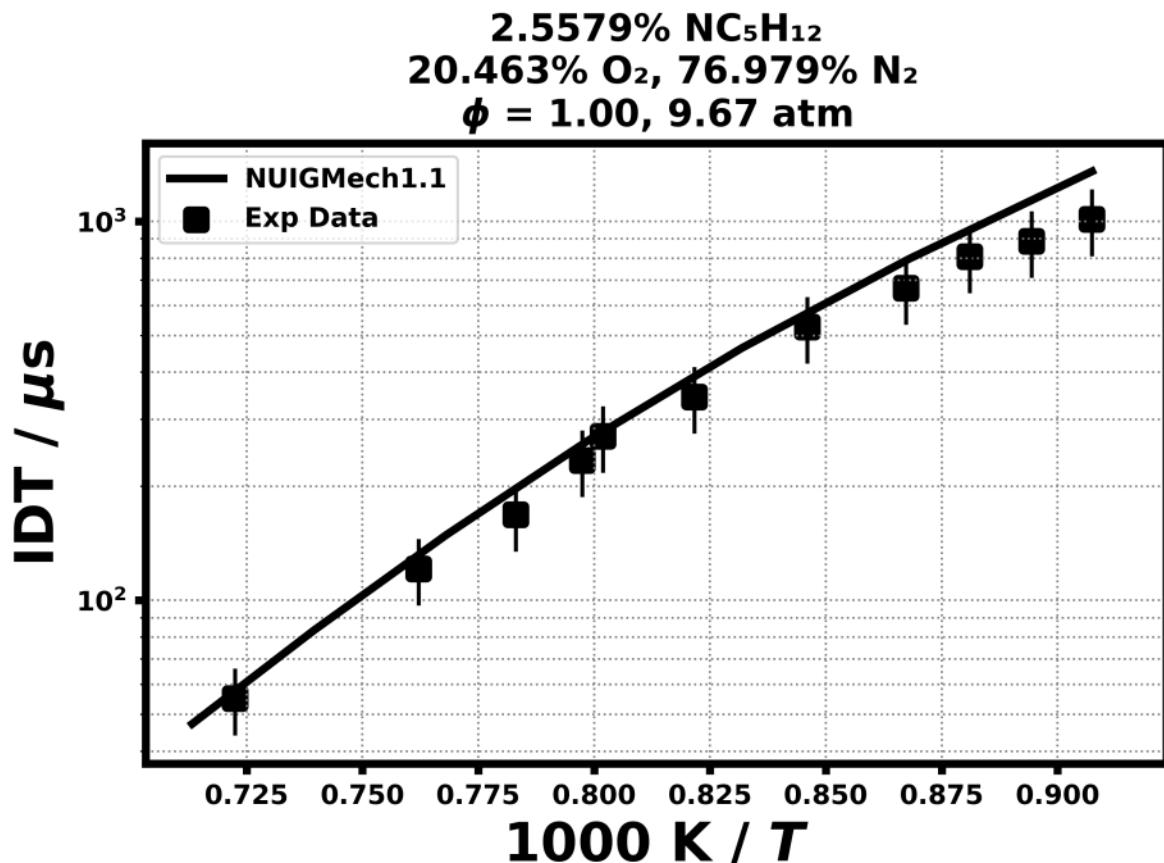


Figure 4: Dataset: 10_ATM_2.6_NC5H12_PHI_1.0

1.1.5 Case: n-C₅H₁₂/ST/BUGLER/10_ATM_5.0_NC5H12_PHI_2.0

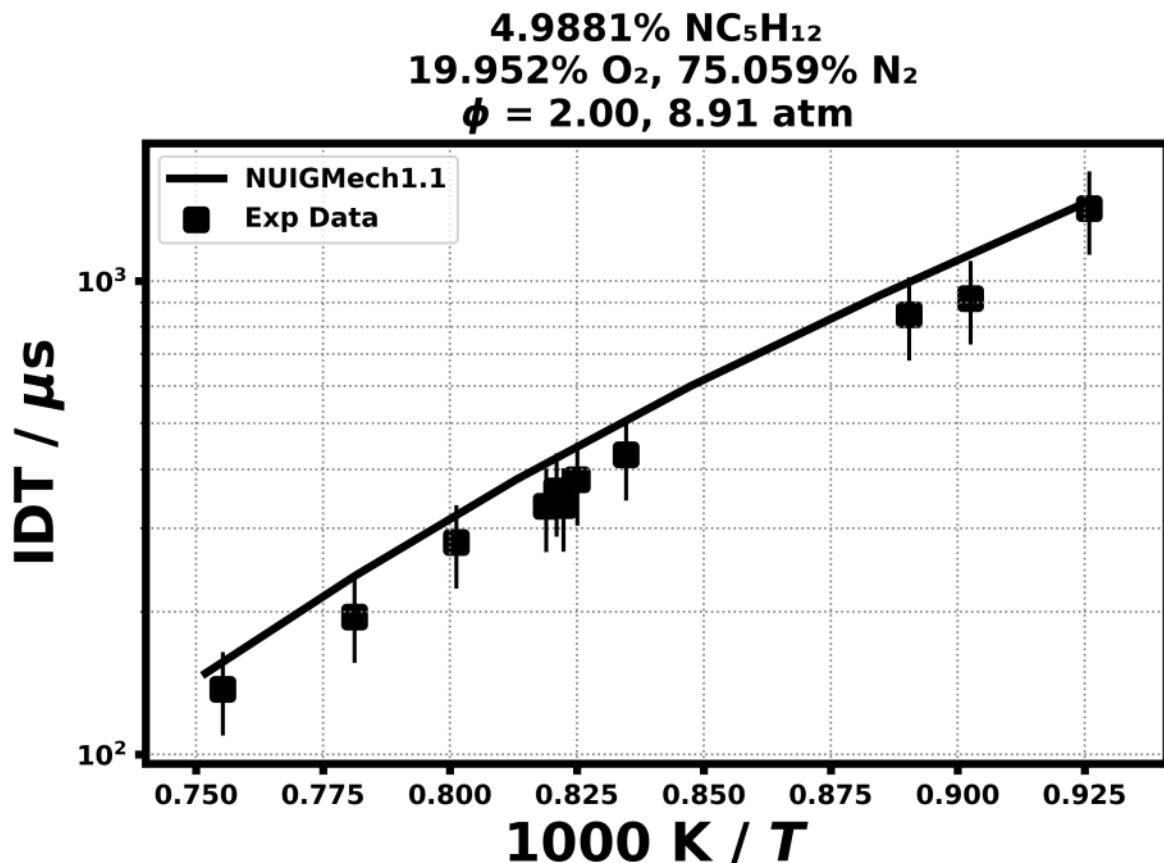


Figure 5: Dataset: 10_ATM_5.0_NC5H12_PHI_2.0

1.1.6 Case: n-C₅H₁₂/ST/BUGLER/1_ATM_0.8_NC5H12_PHI_0.3

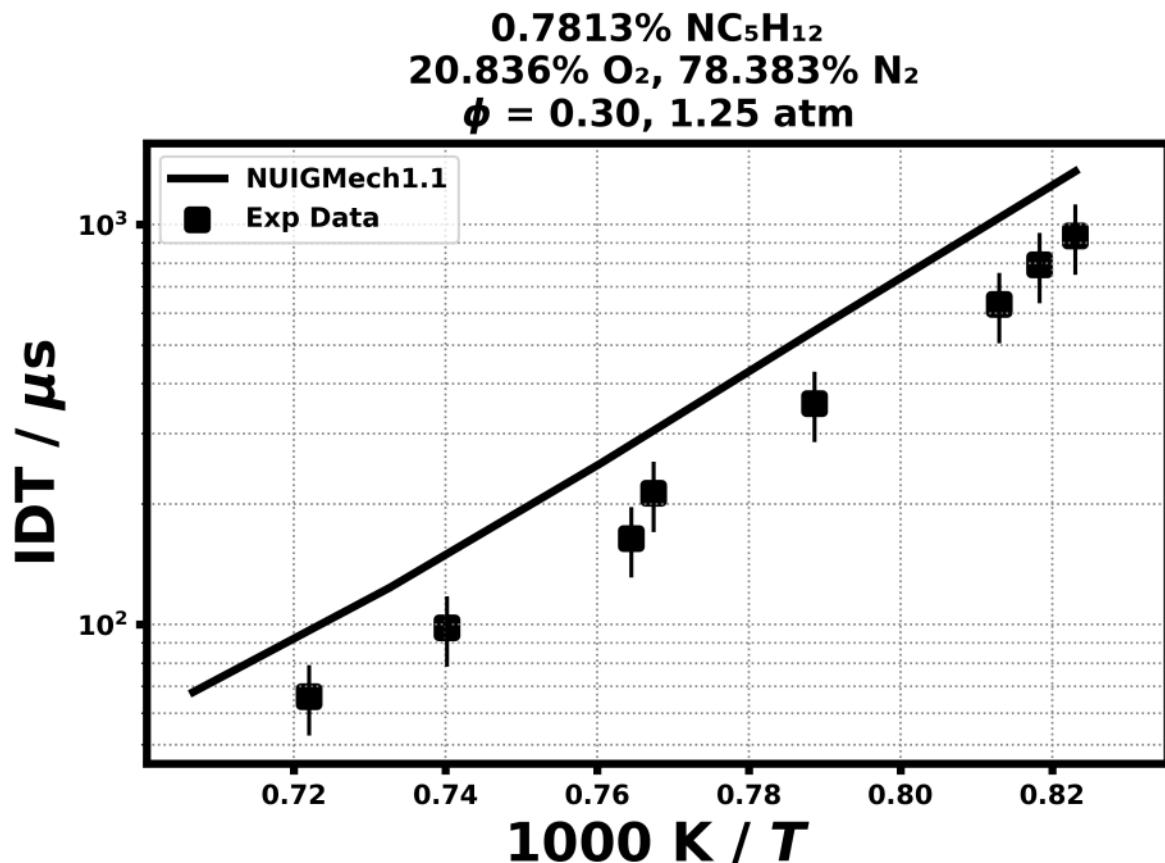


Figure 6: Dataset: 1_ATM_0.8_NC5H12_PHI_0.3

1.1.7 Case: n-C₅H₁₂/ST/BUGLER/1_ATM_1.3_NC5H12_PHI_0.5

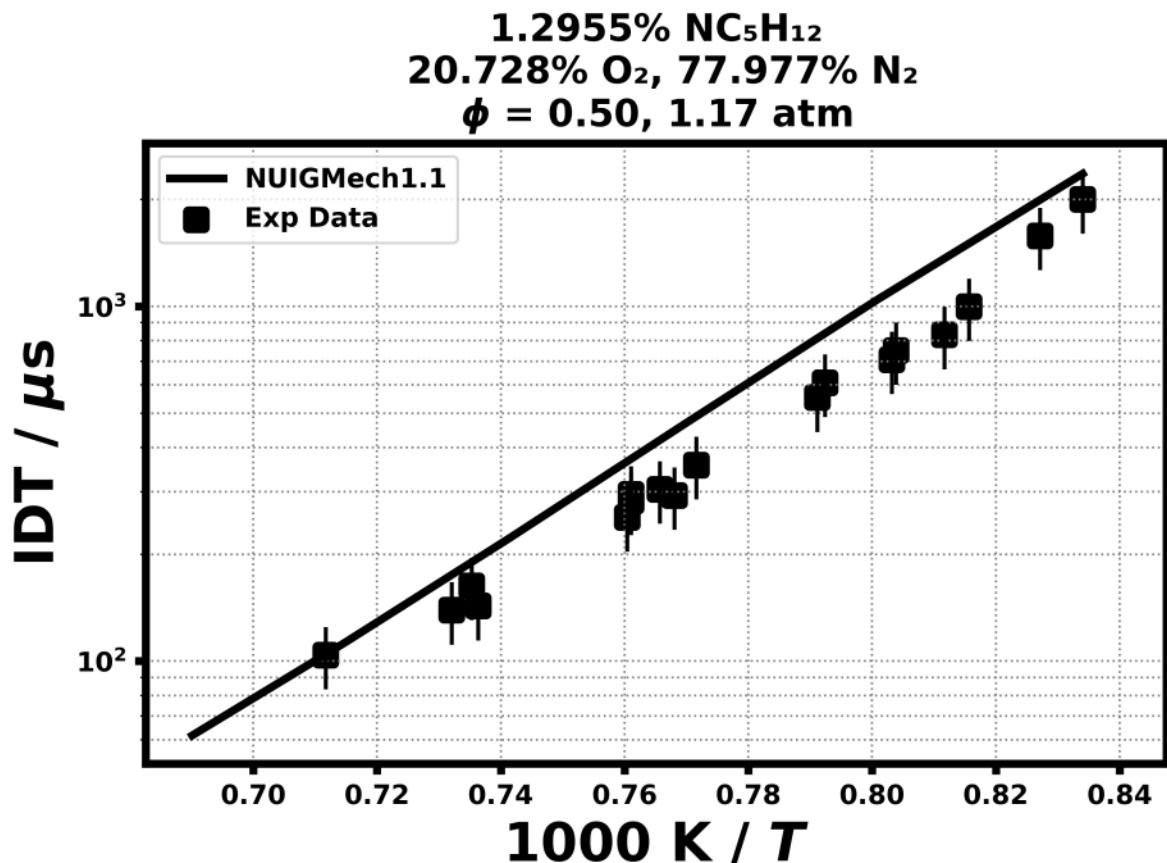


Figure 7: Dataset: 1_ATM_1.3_NC5H12_PHI_0.5

1.1.8 Case: n-C₅H₁₂/ST/BUGLER/1_ATM_2.6_NC5H12_PHI_1.0

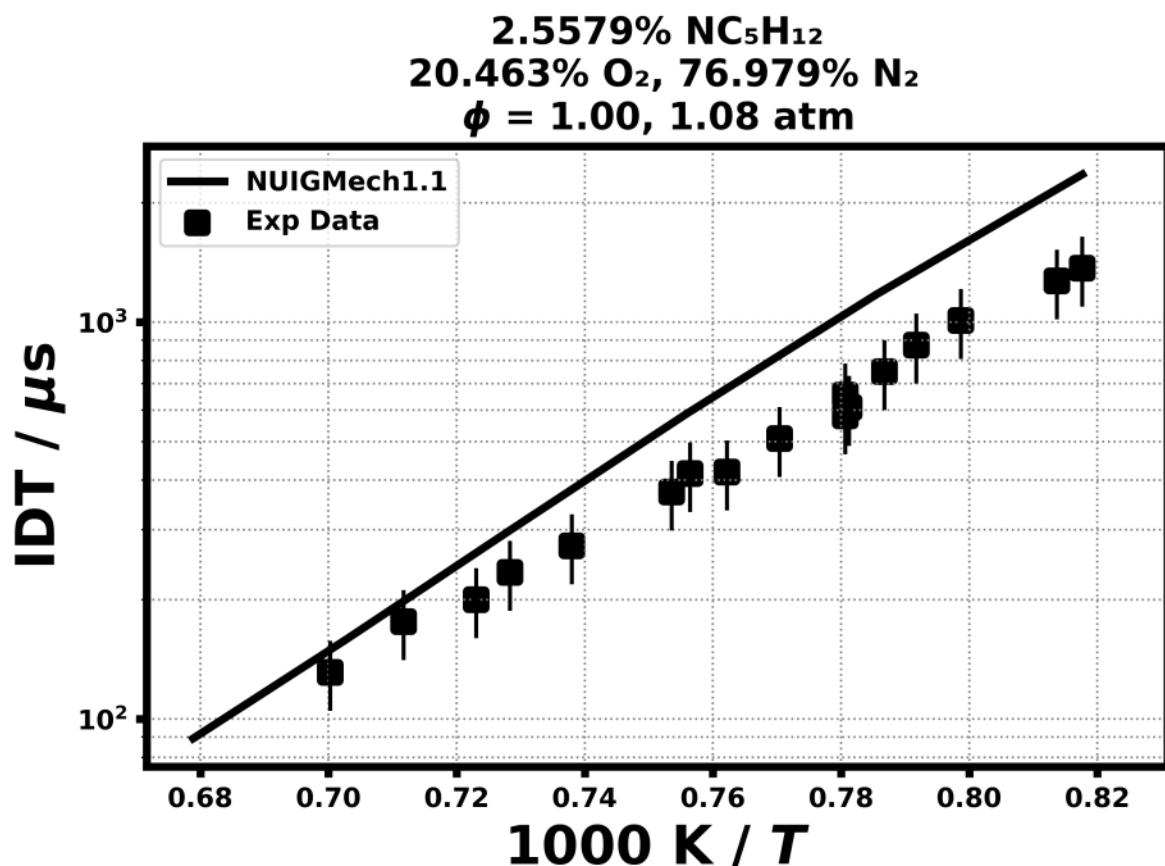


Figure 8: Dataset: 1_ATM_2.6_NC5H12_PHI_1.0

1.1.9 Case: n-C₅H₁₂/ST/BUGLER/1_ATM_5.0_NC5H12_PHI_2.0

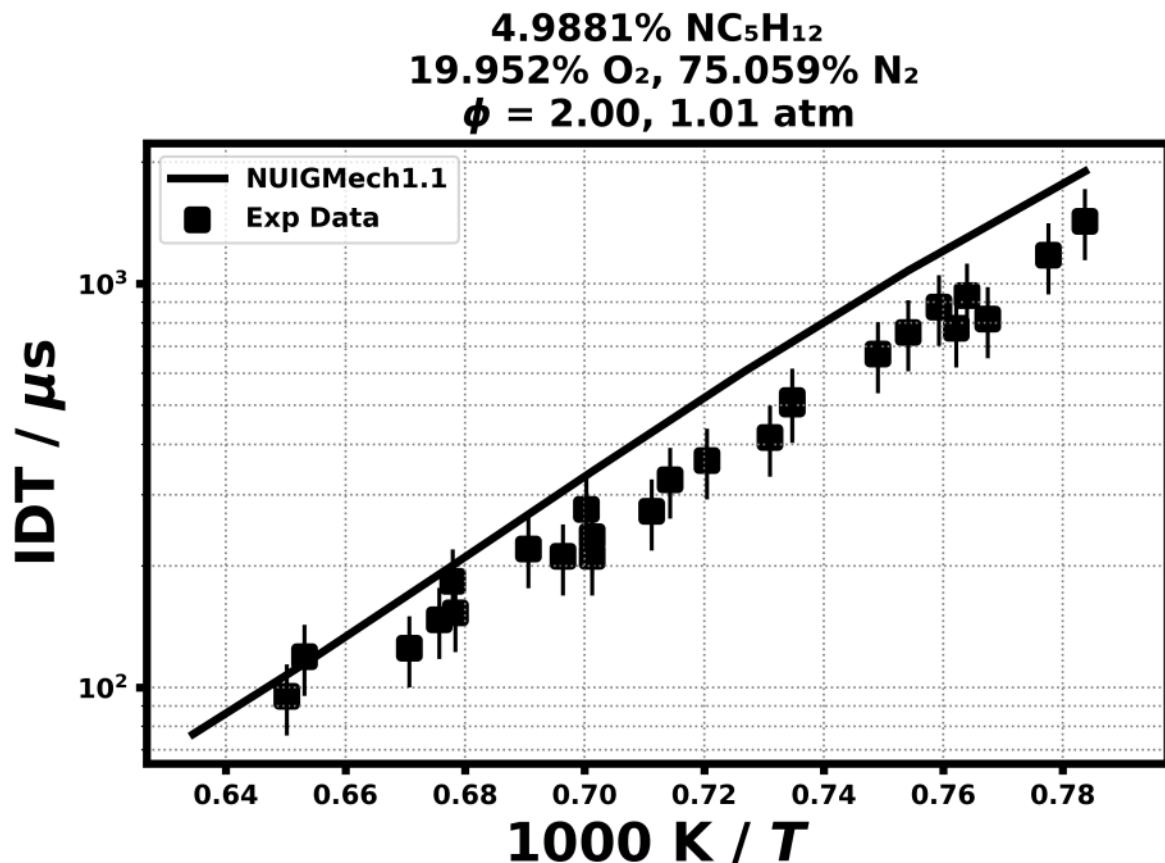


Figure 9: Dataset: 1_ATM_5.0_NC5H12_PHI_2.0

1.1.10 Case: n-C5H12/ST/BUGLER/20_ATM_1.3_NC5H12_PHI_0.5

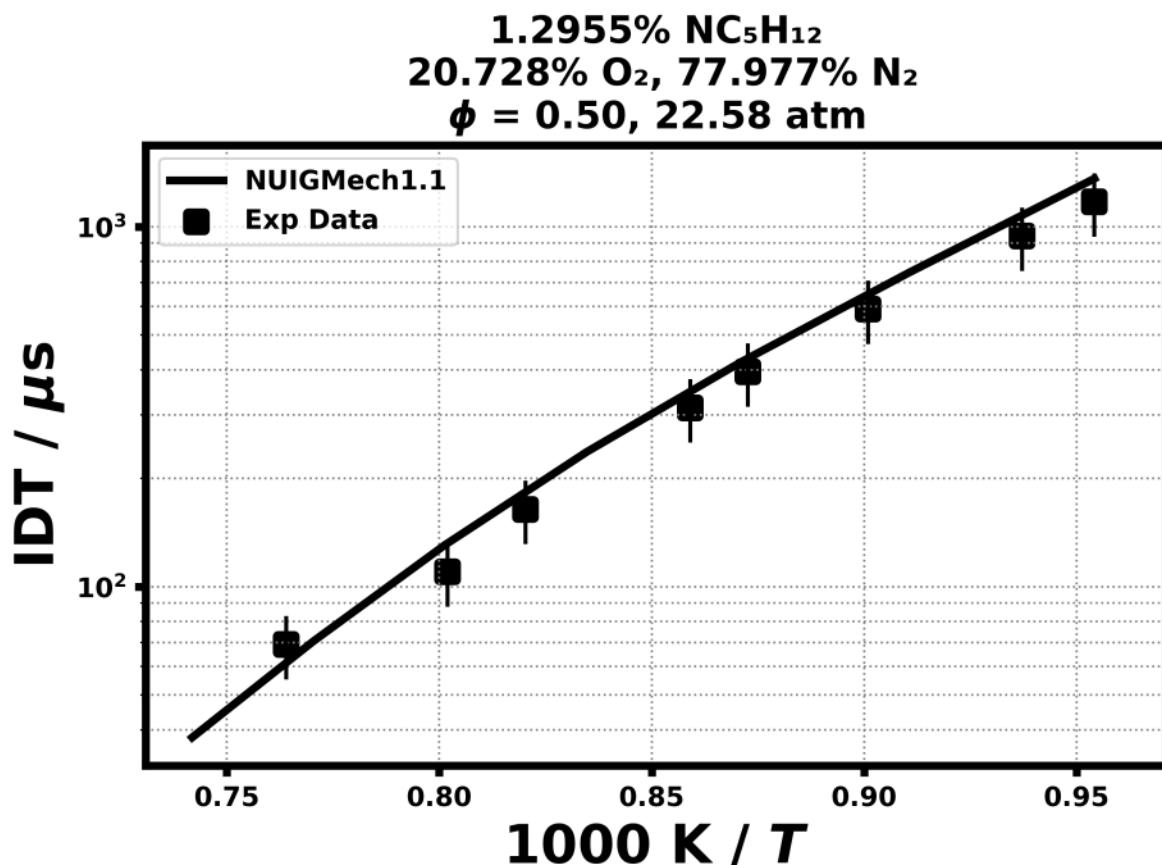


Figure 10: Dataset: 20_ATM_1.3_NC5H12_PHI_0.5

1.1.11 Case: n-C5H12/ST/BUGLER/20_ATM_2.6_NC5H12_PHI_1.0

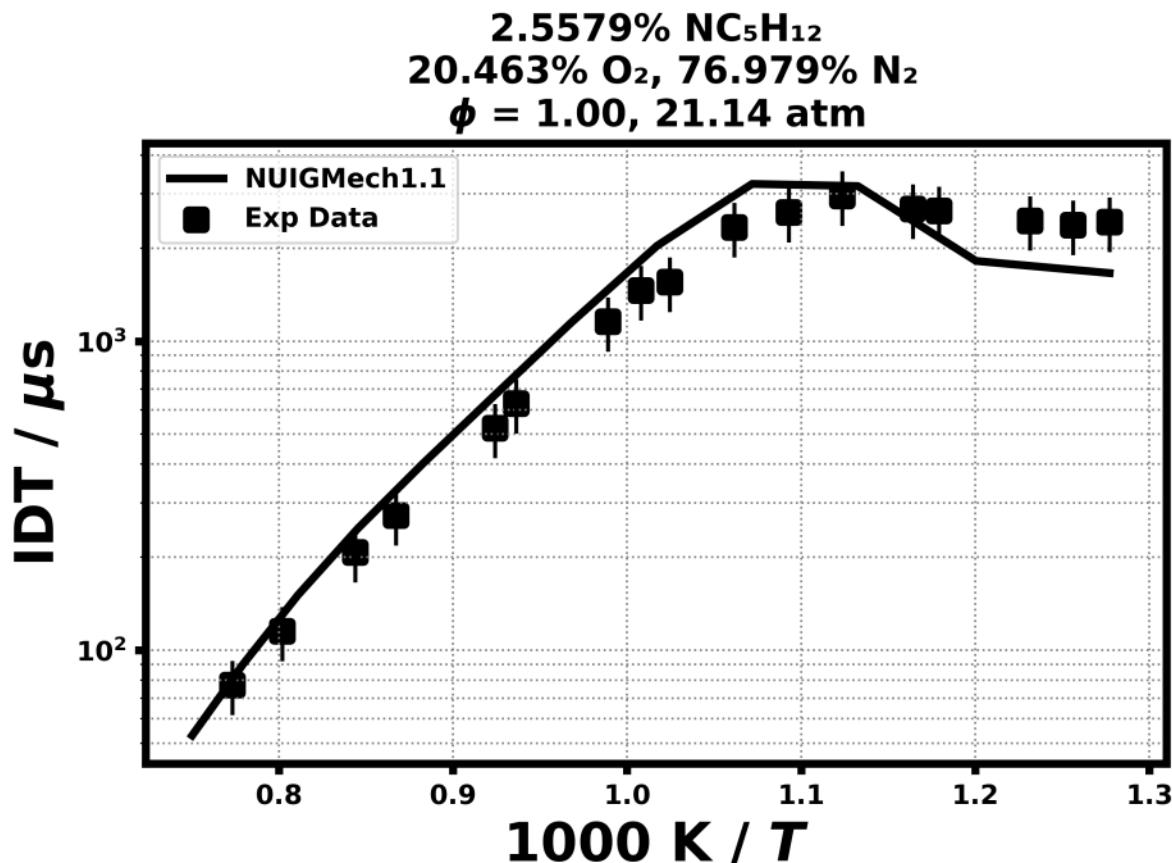


Figure 11: Dataset: 20_ATM_2.6_NC5H12_PHI_1.0

1.1.12 Case: n-C5H12/ST/BUGLER/25_ATM_0.8_NC5H12_PHI_0.3

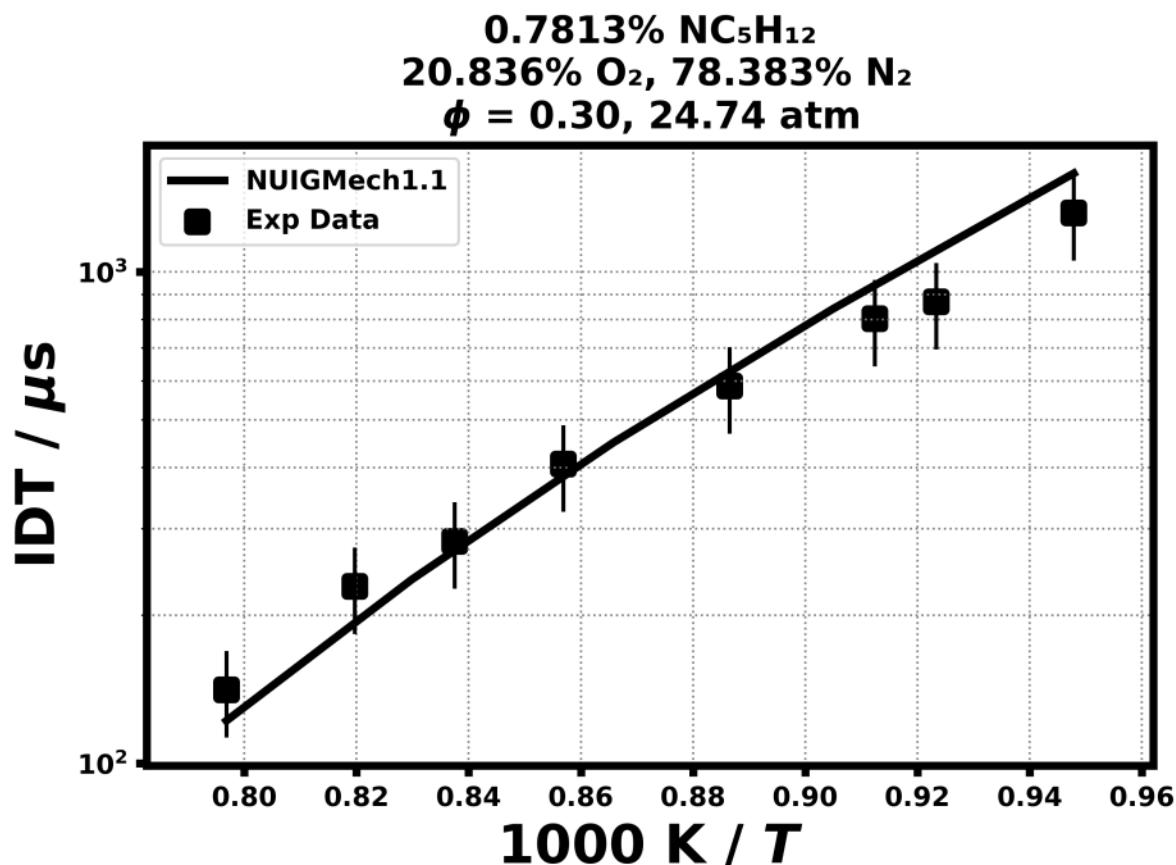


Figure 12: Dataset: 25_ATM_0.8_NC5H12_PHI_0.3

1.1.13 Case: n-C5H12/ST/BUGLER/25_ATM_5.0_NC5H12_PHI_2.0

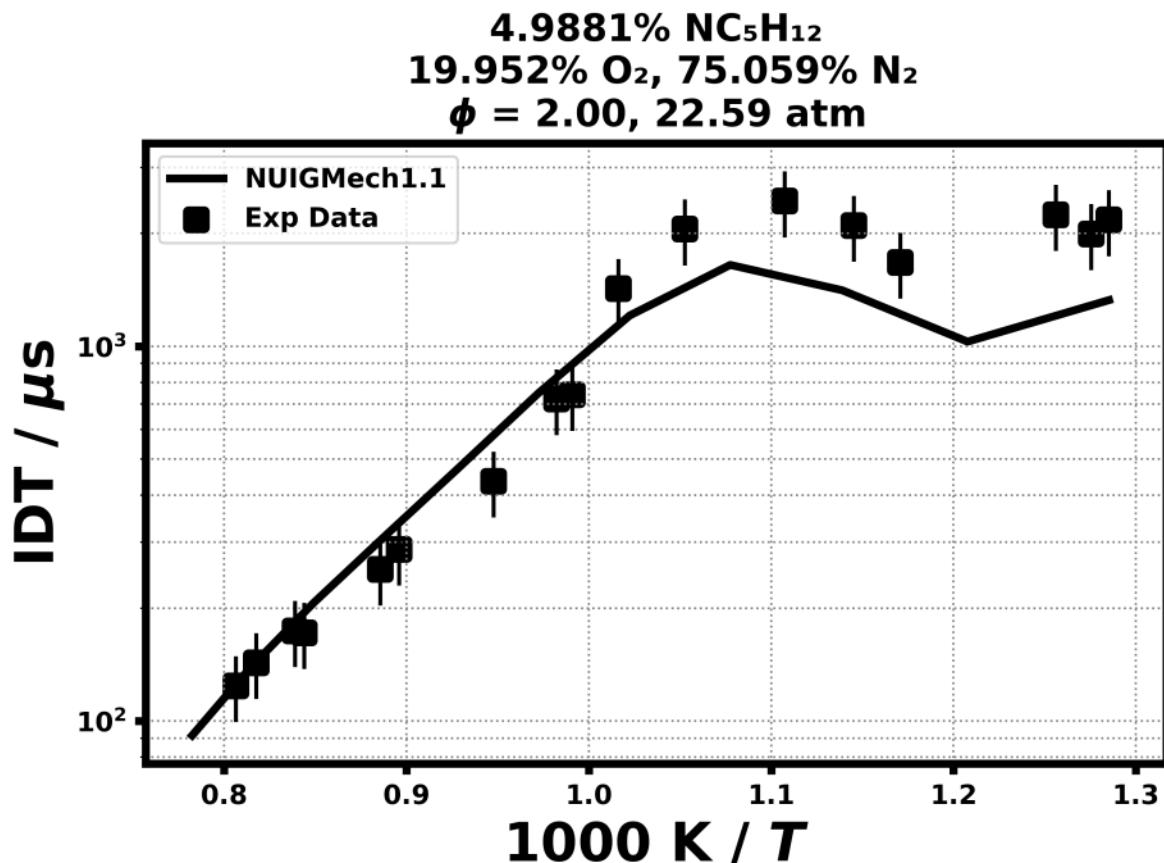


Figure 13: Dataset: 25_ATM_5.0_NC5H12_PHI_2.0

Zhukov, V. P., V. A. Sechenov, and A. Yu Starikovskii. "Self-ignition of a lean mixture of n-pentane and air over a wide range of pressures." Combustion and flame 140.3 (2005): 196-203.

1.1.14 Case: n-C5H12/ST/ZHUKOV/10_ATM_1.6_NC5H12_PHI_0.5

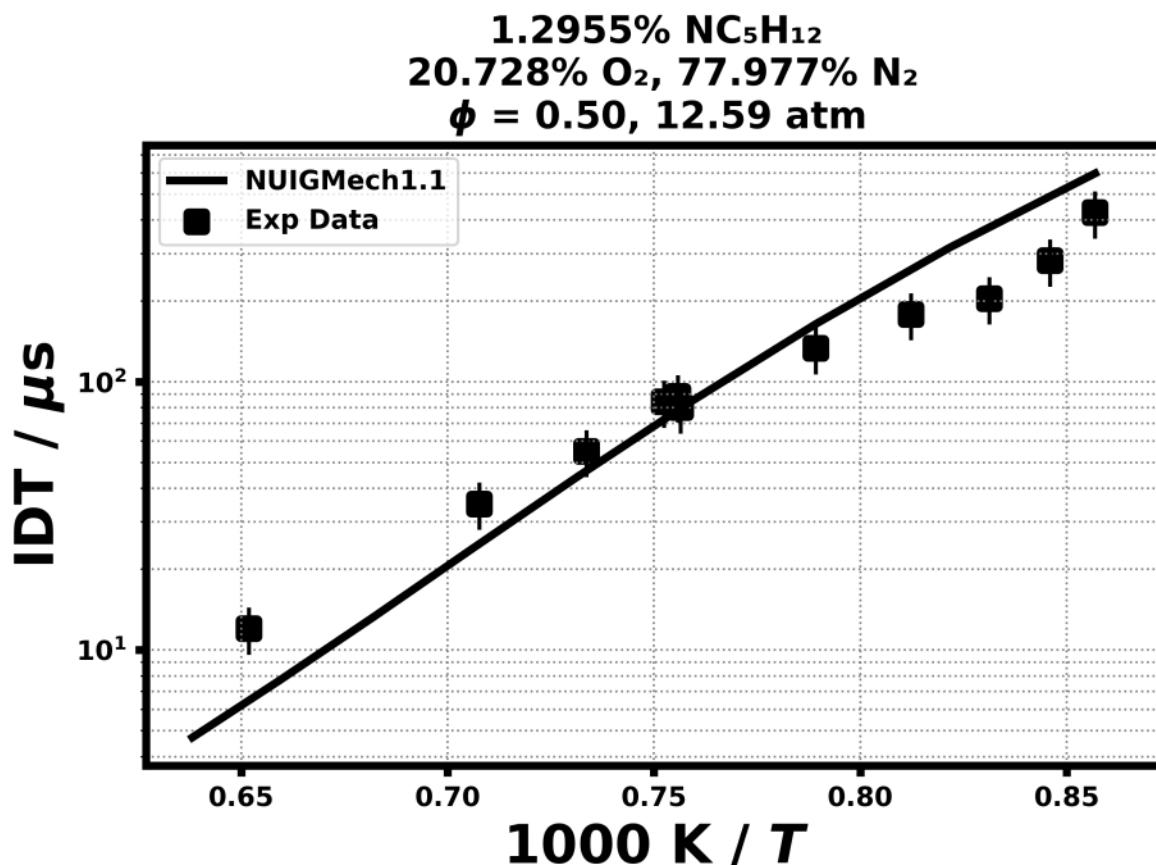


Figure 14: Dataset: 10_ATM_1.6_NC5H12_PHI_0.5

1.1.15 Case: n-C5H12/ST/ZHUKOV/250_ATM_1.6_NC5H12_PHI_0.5

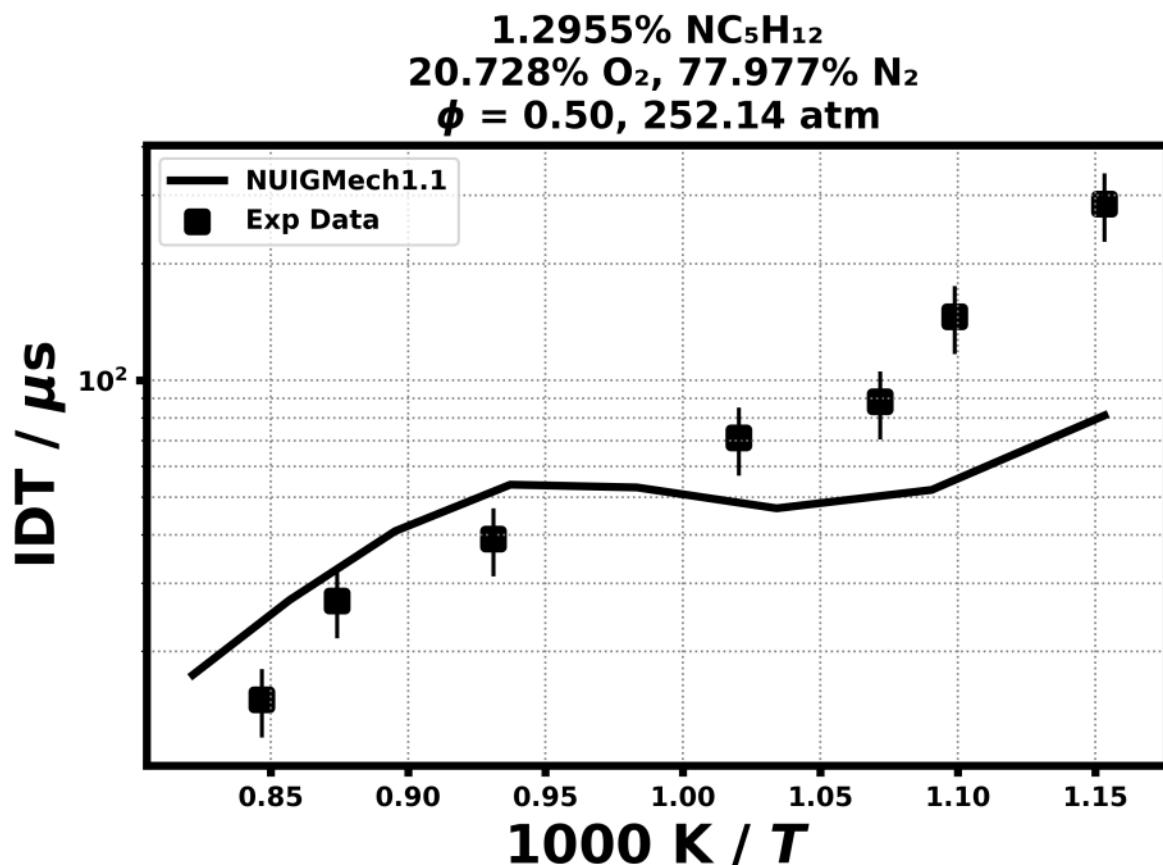


Figure 15: Dataset: 250_ATM_1.6_NC5H12_PHI_0.5

1.1.16 Case: n-C5H12/ST/ZHUKOV/520_ATM_1.6_NC5H12_PHI_0.5

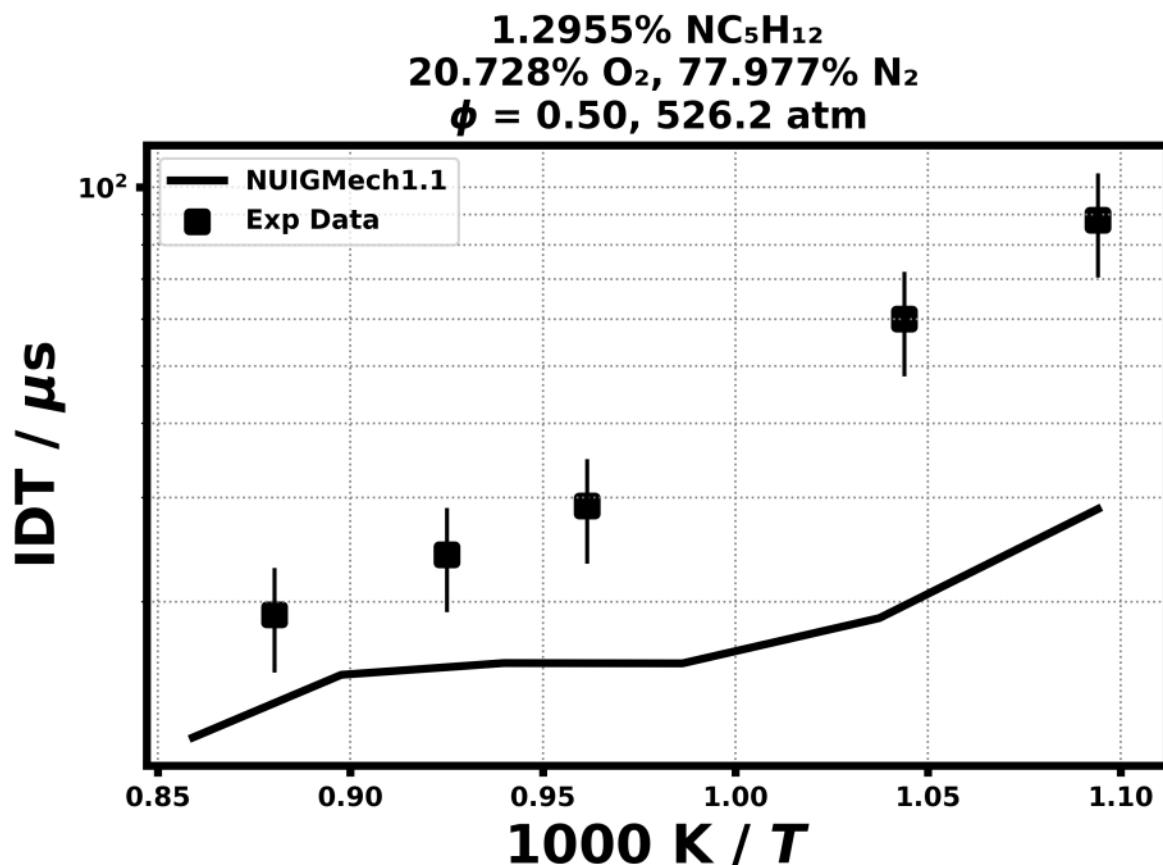


Figure 16: Dataset: 520_ATM_1.6_NC5H12_PHI_0.5

1.1.17 Case: n-C5H12/ST/ZHUKOV/60_ATM_1.6_NC5H12_PHI_0.5

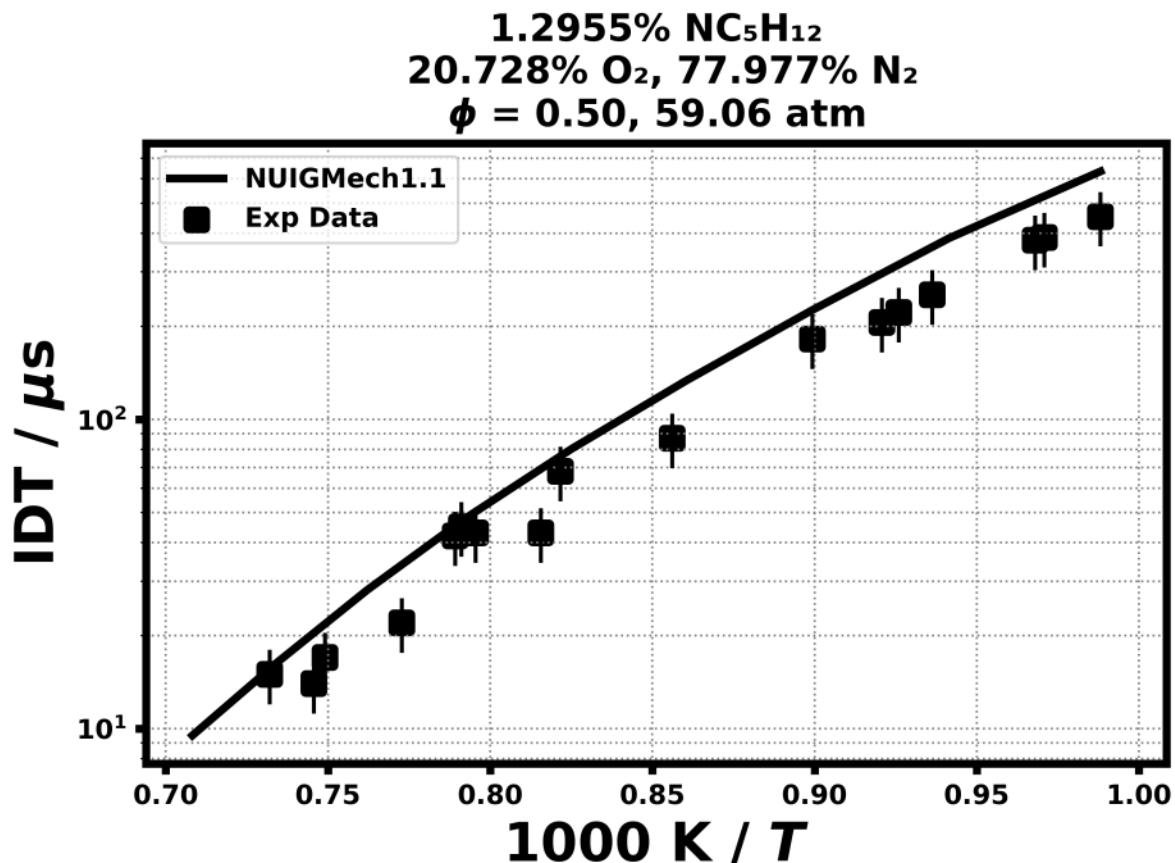


Figure 17: Dataset: 60_ATM_1.6_NC5H12_PHI_0.5

RCM Ignition delay times

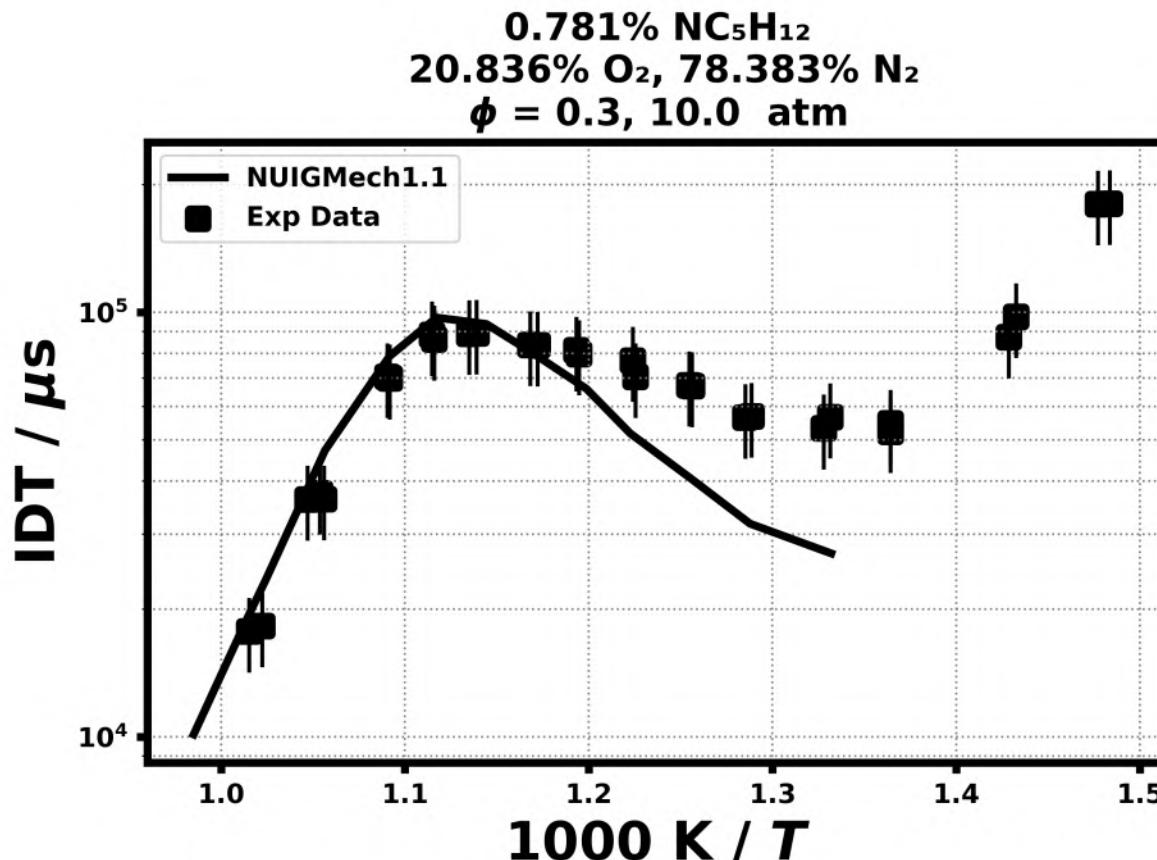


Figure 18: Dataset: F030_10ATM_100_N2

1.2.2 Case: n-C₅H₁₂/RCM/BUGLER/F030_20ATM_100_N2

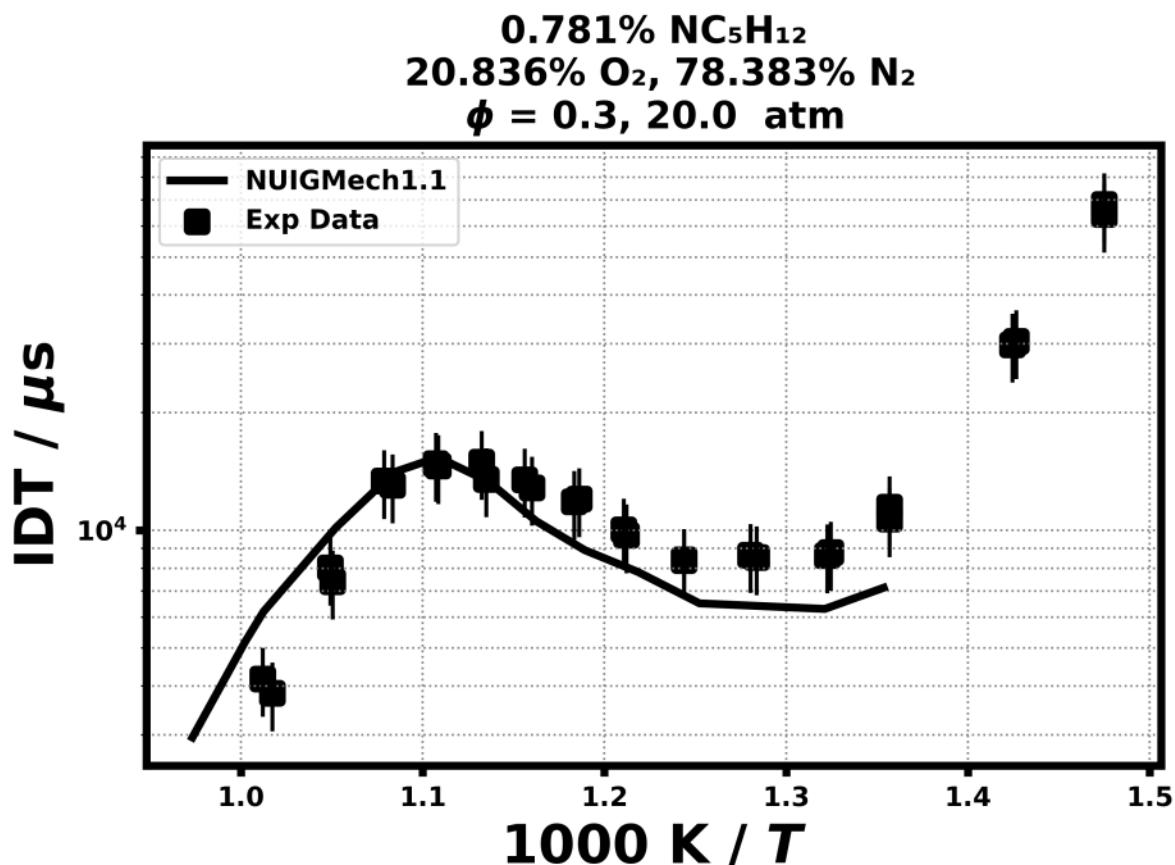


Figure 19: Dataset: F030_20ATM_100_N2

1.2.10 Case: n-C₅H₁₂/RCM/BUGLER/F100_20ATM_100_N2

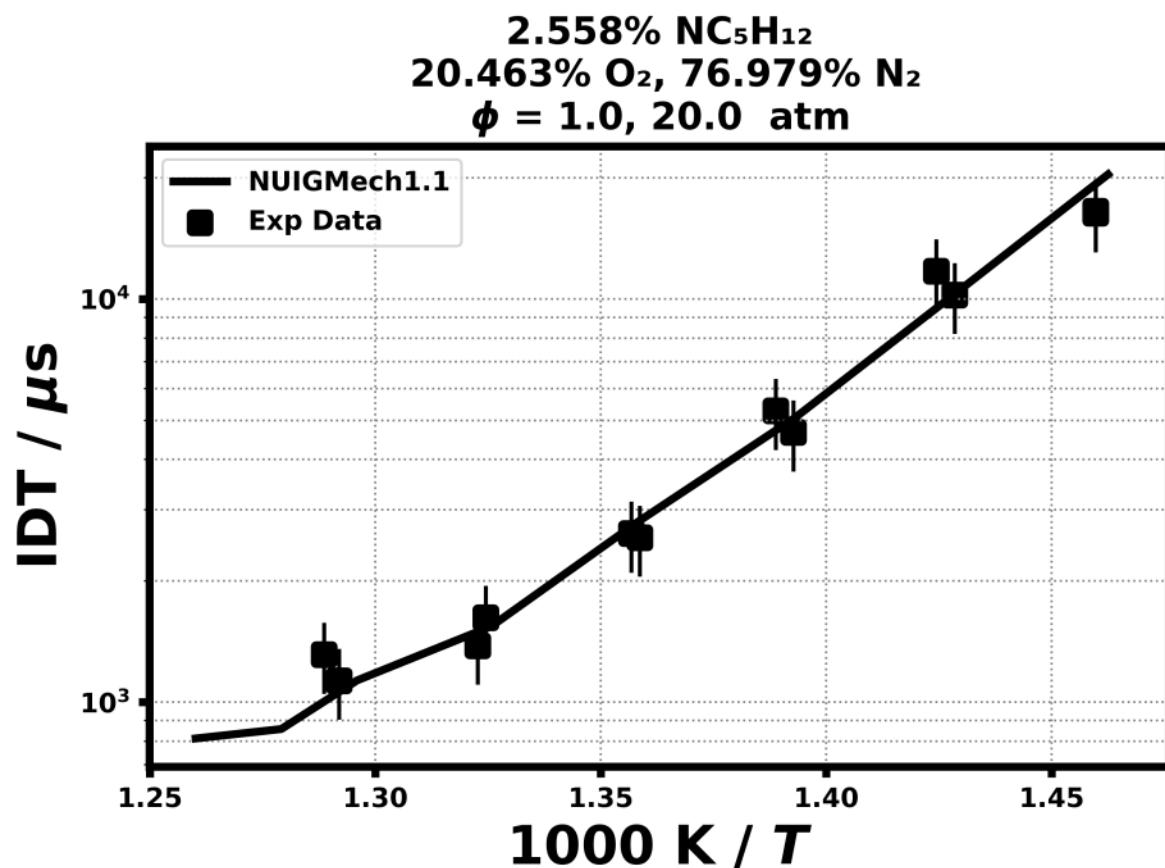


Figure 27: Dataset: F100_20ATM_100_N2

1.2.13 Case: n-C₅H₁₂/RCM/BUGLER/F200_20ATM_100_N2

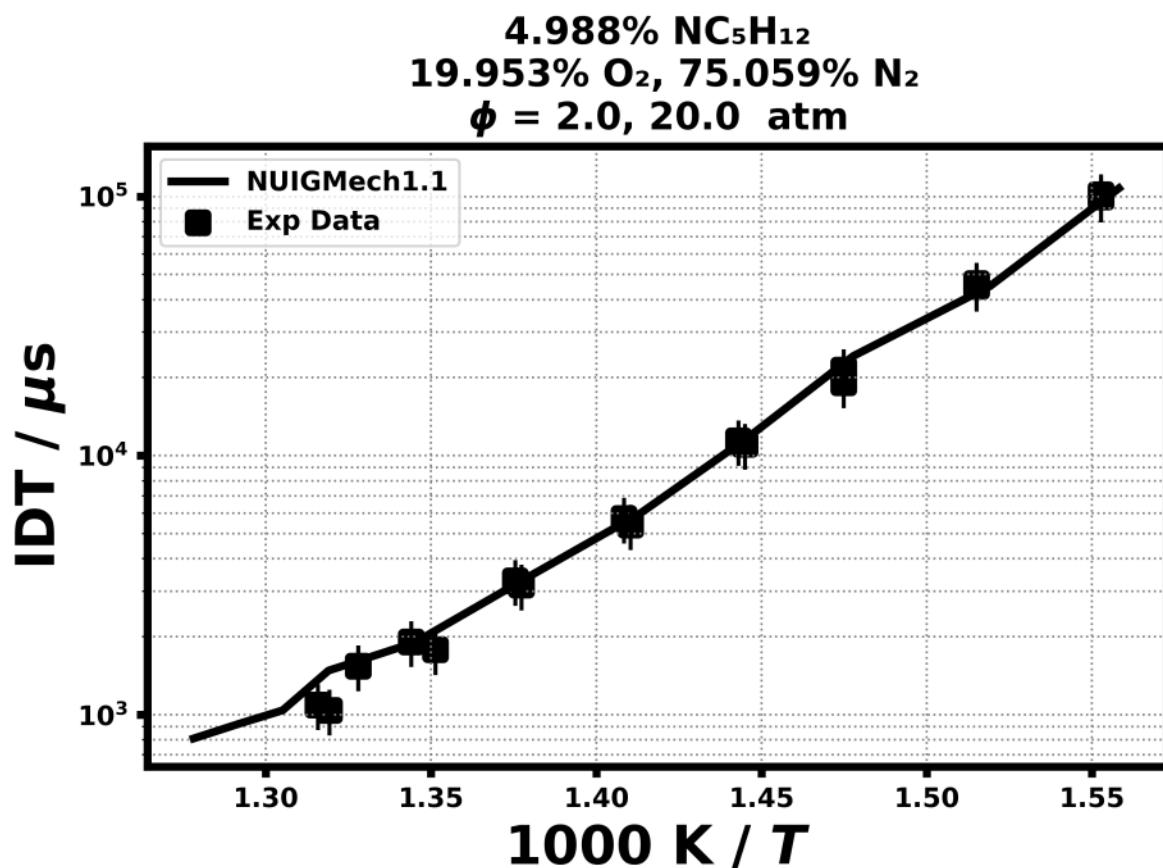


Figure 30: Dataset: F200_20ATM_100_N2

Bugler, John, et al. "An experimental and modelling study of n-pentane oxidation in two jet-stirred reactors: The importance of pressure-dependent kinetics and new reaction pathways." Proceedings of the Combustion Institute 36.1 (2017): 441-448.

Speciation in Jet-stirred reactor

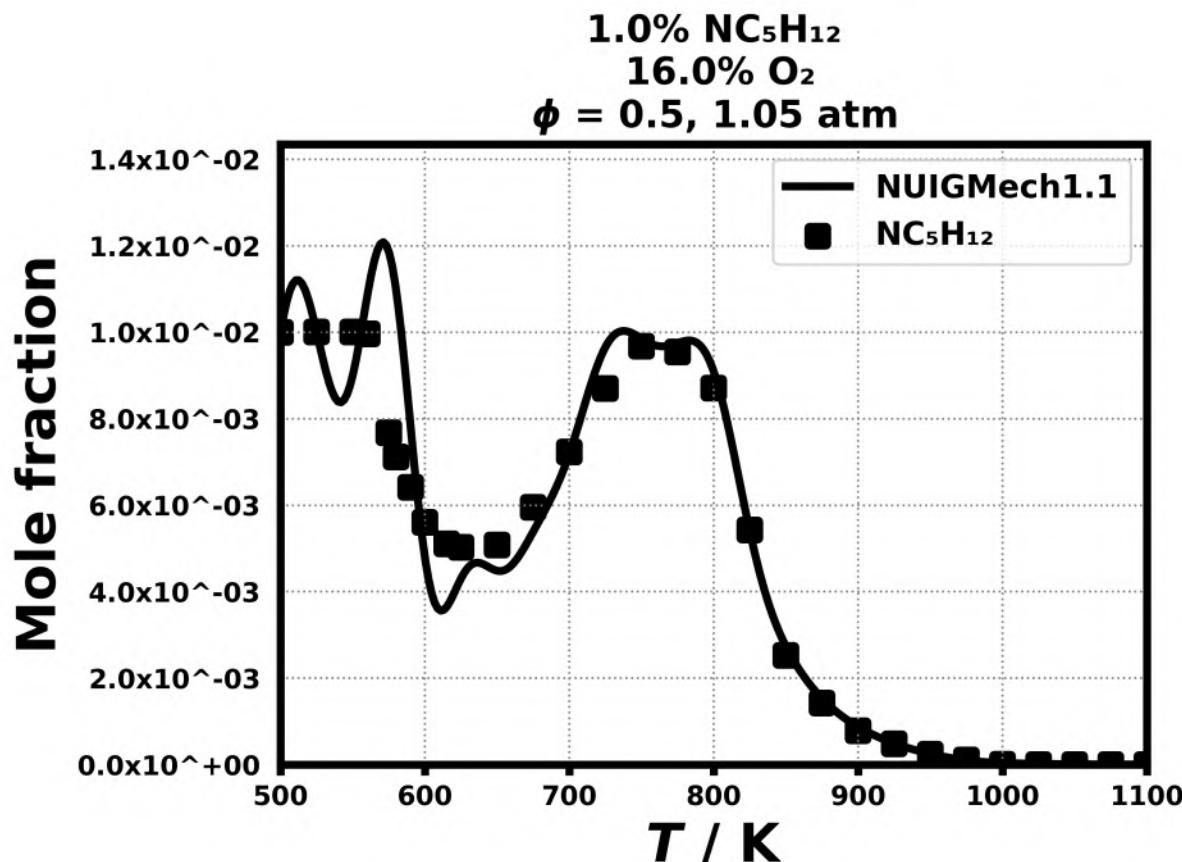


Figure 31: Dataset: 1.05_ATM_PHI_0.5

1.3.3 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

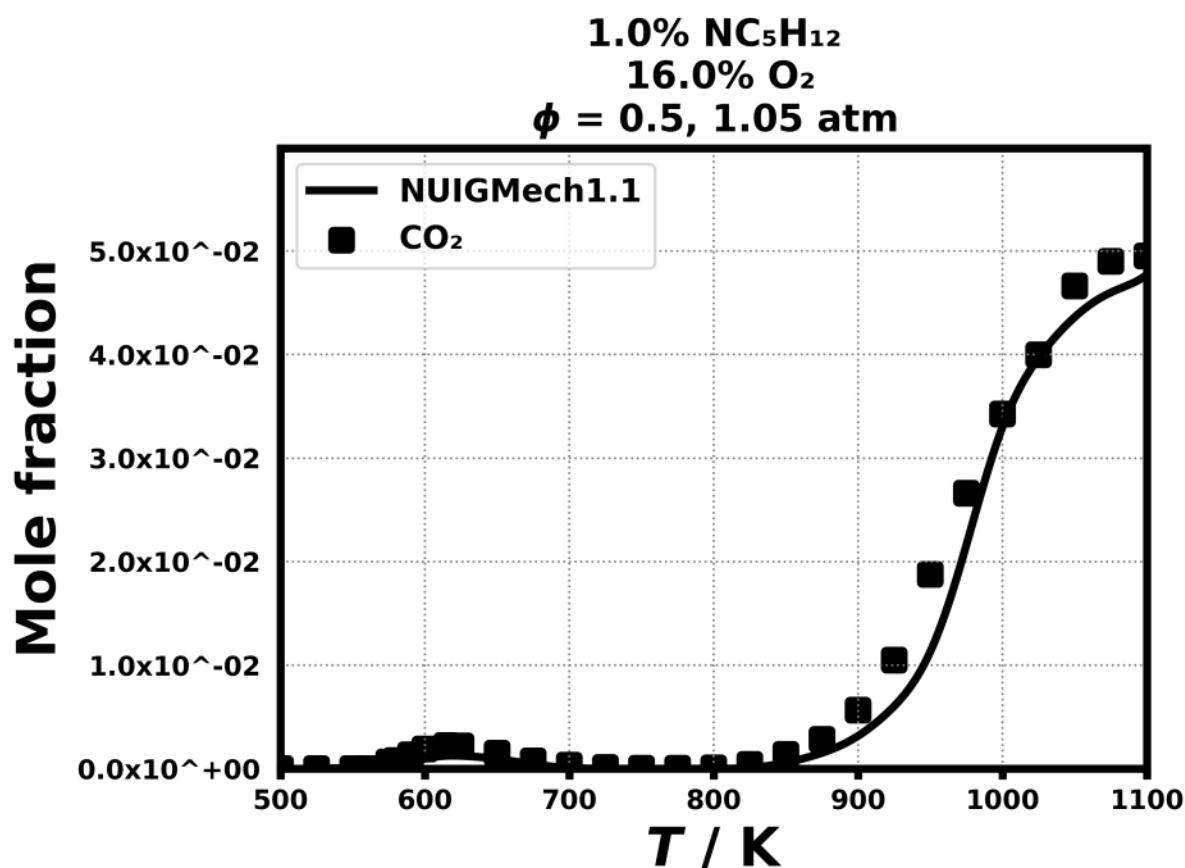


Figure 33: Dataset: 1.05_ATM_PHI_0.5

1.3.4 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

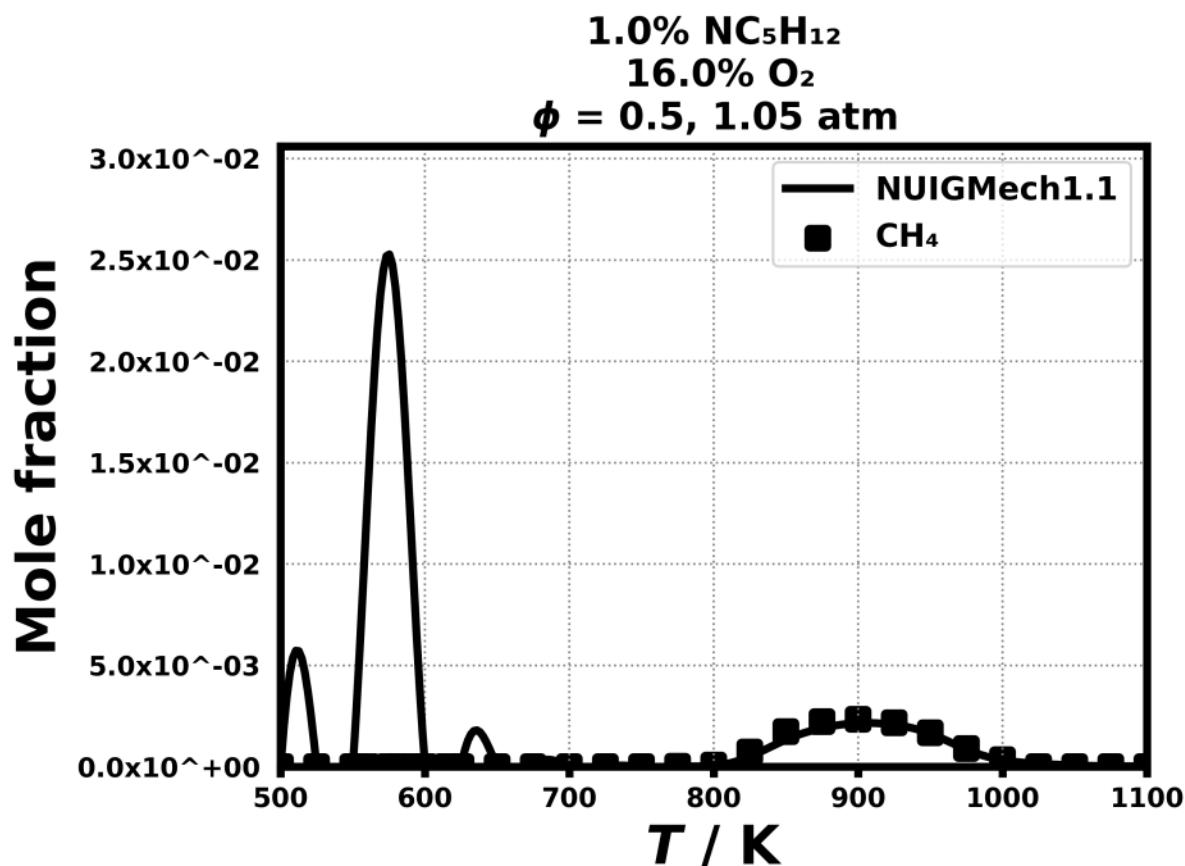


Figure 34: Dataset: 1.05_ATM_PHI_0.5

1.3.5 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

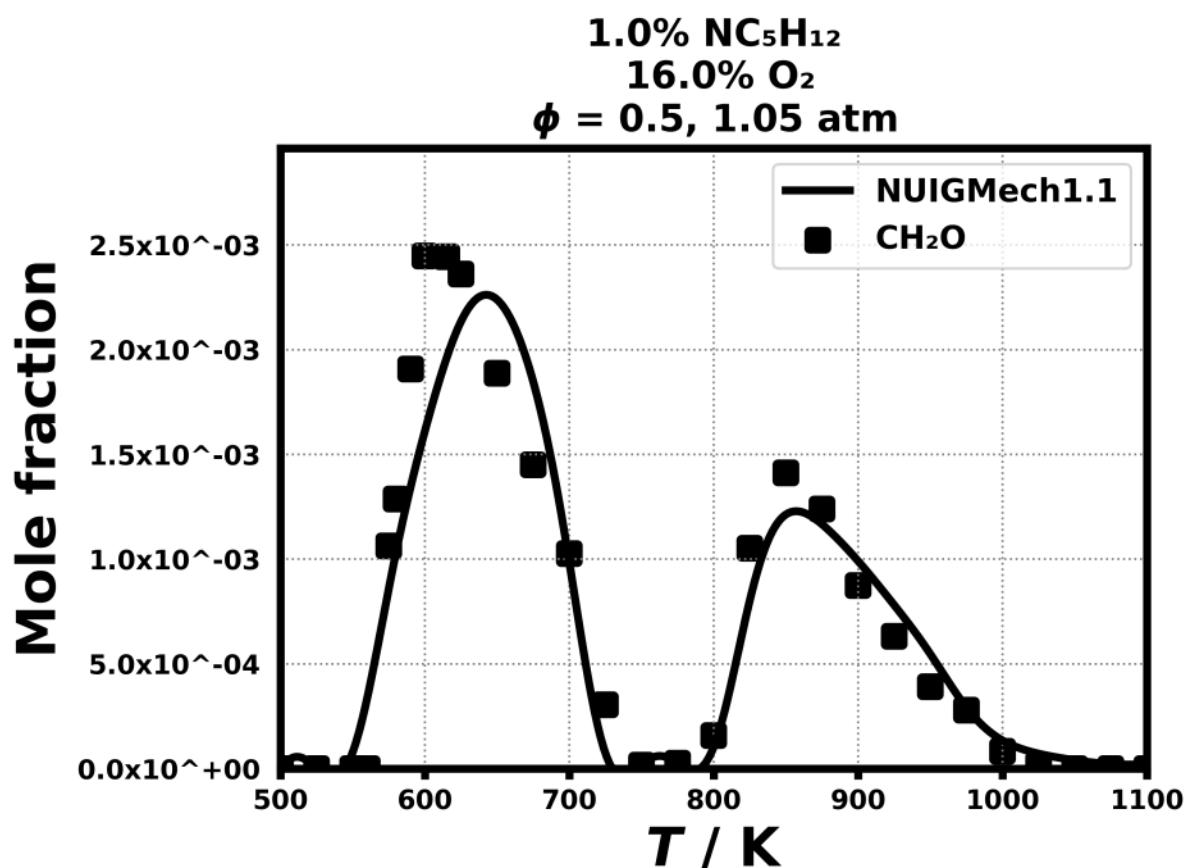


Figure 35: Dataset: 1.05_ATM_PHI_0.5

1.3.6 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

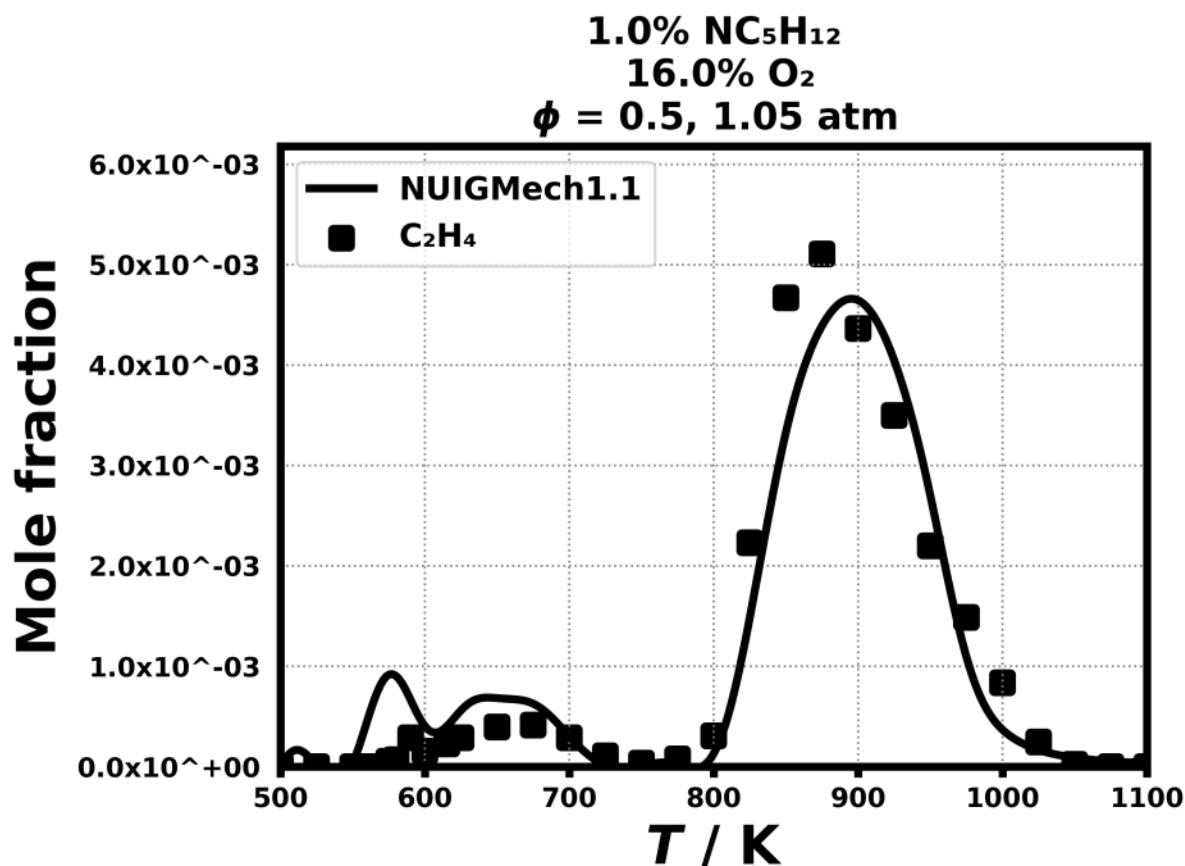


Figure 36: Dataset: 1.05_ATM_PHI_0.5

1.3.8 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

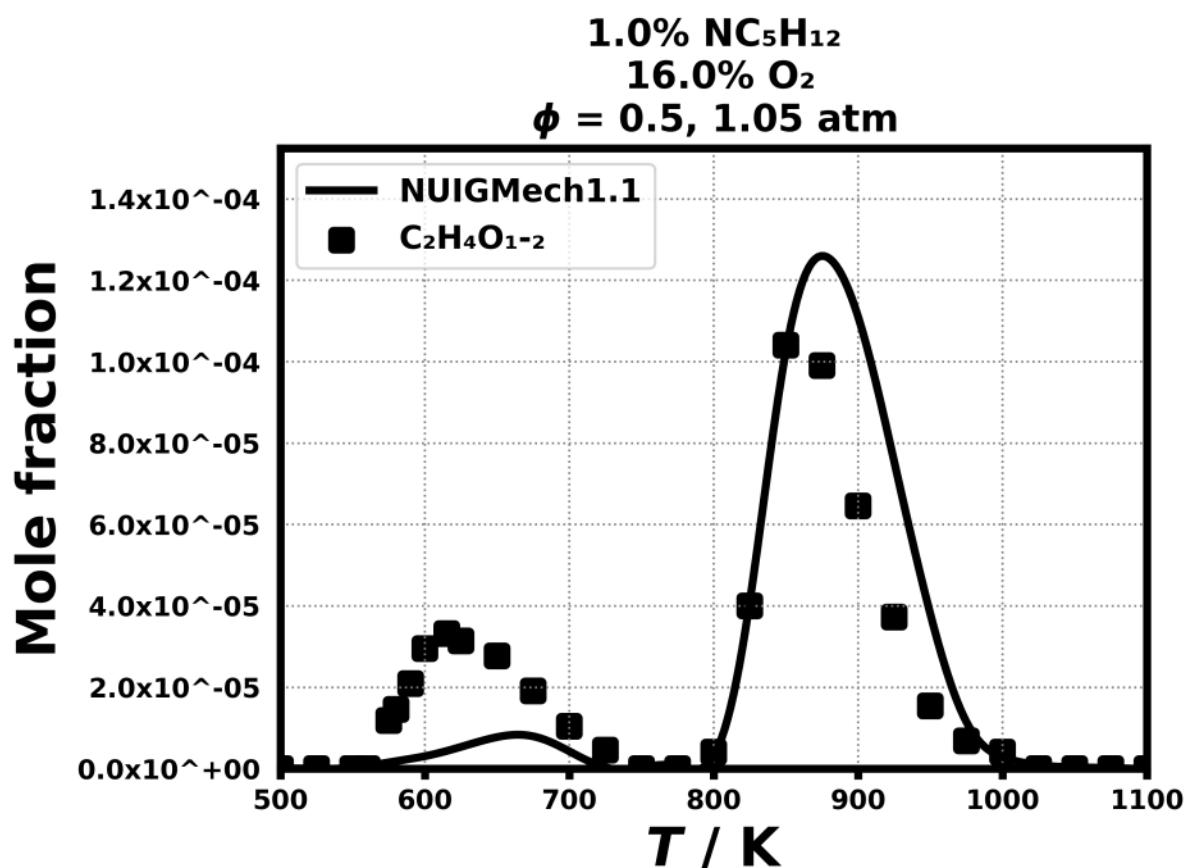


Figure 38: Dataset: 1.05_ATM_PHI_0.5

1.3.10 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

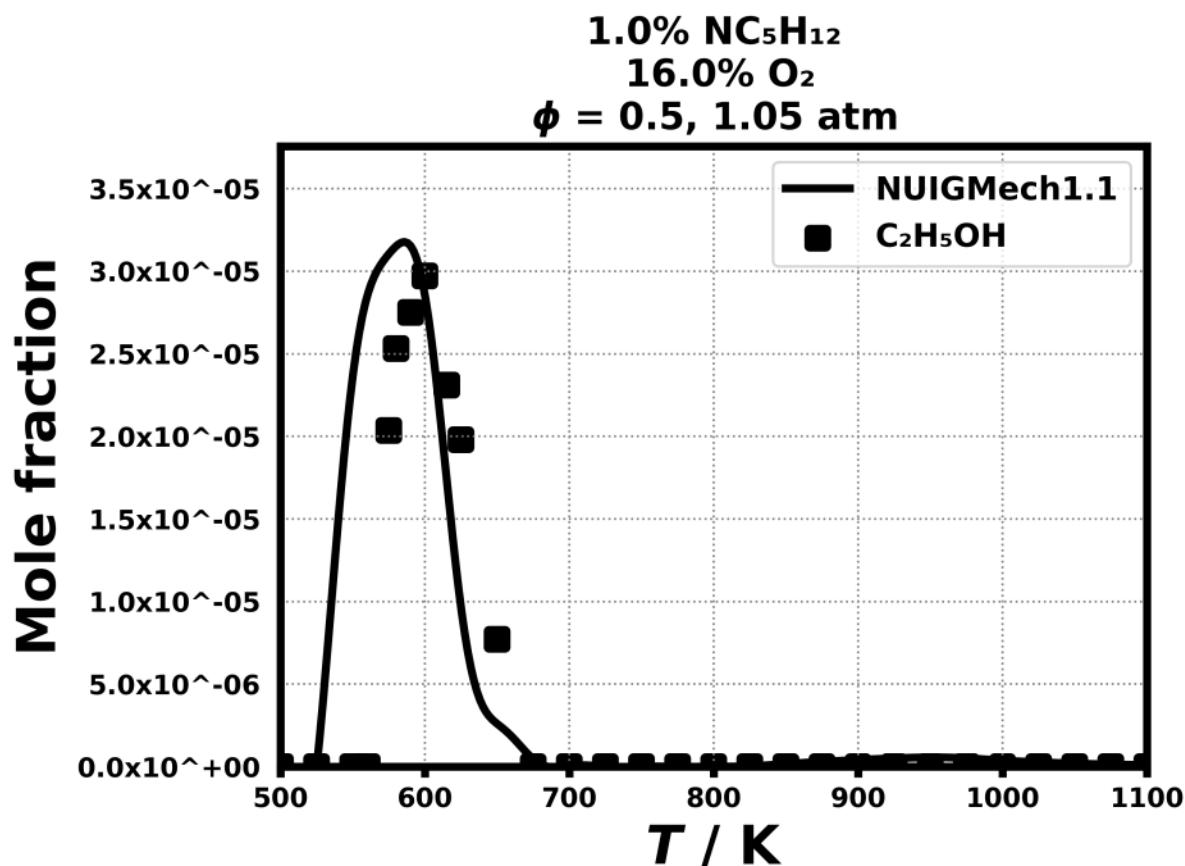


Figure 40: Dataset: 1.05_ATM_PHI_0.5

1.3.12 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

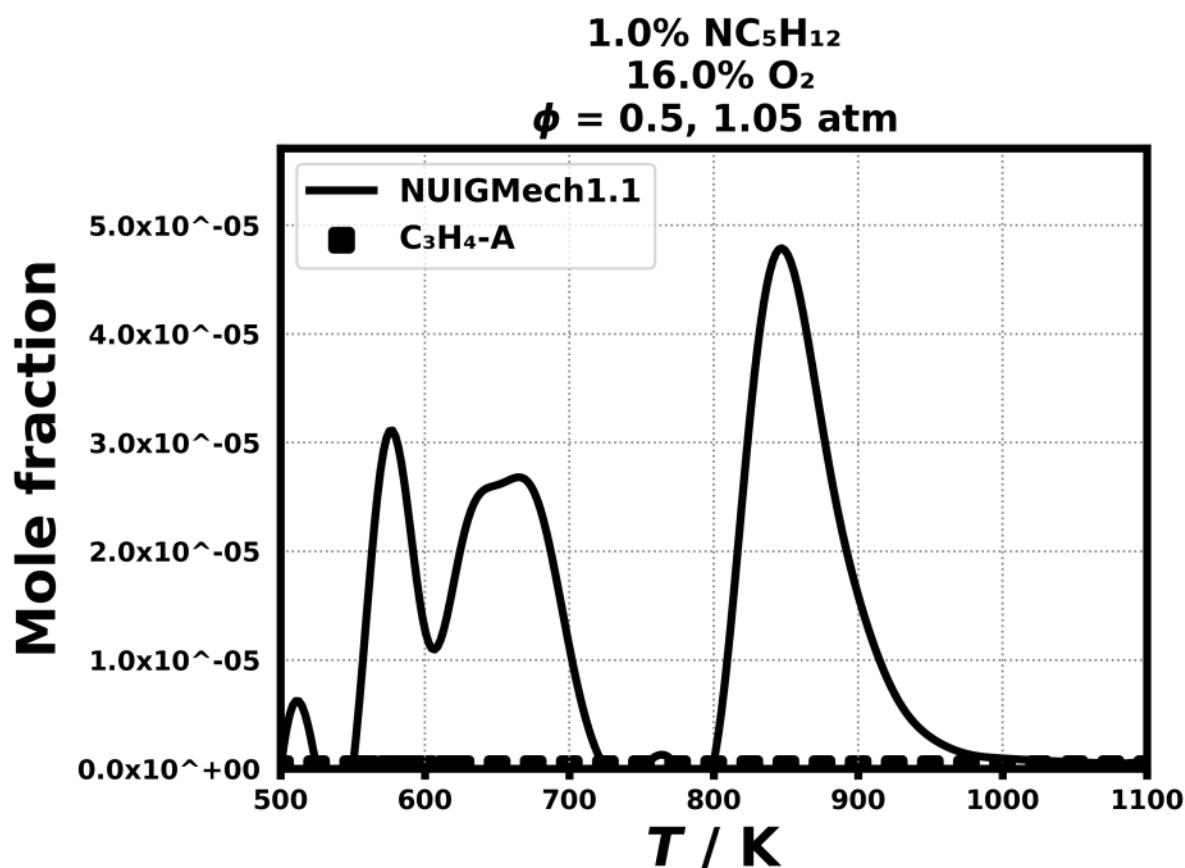


Figure 42: Dataset: 1.05_ATM_PHI_0.5

1.3.13 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

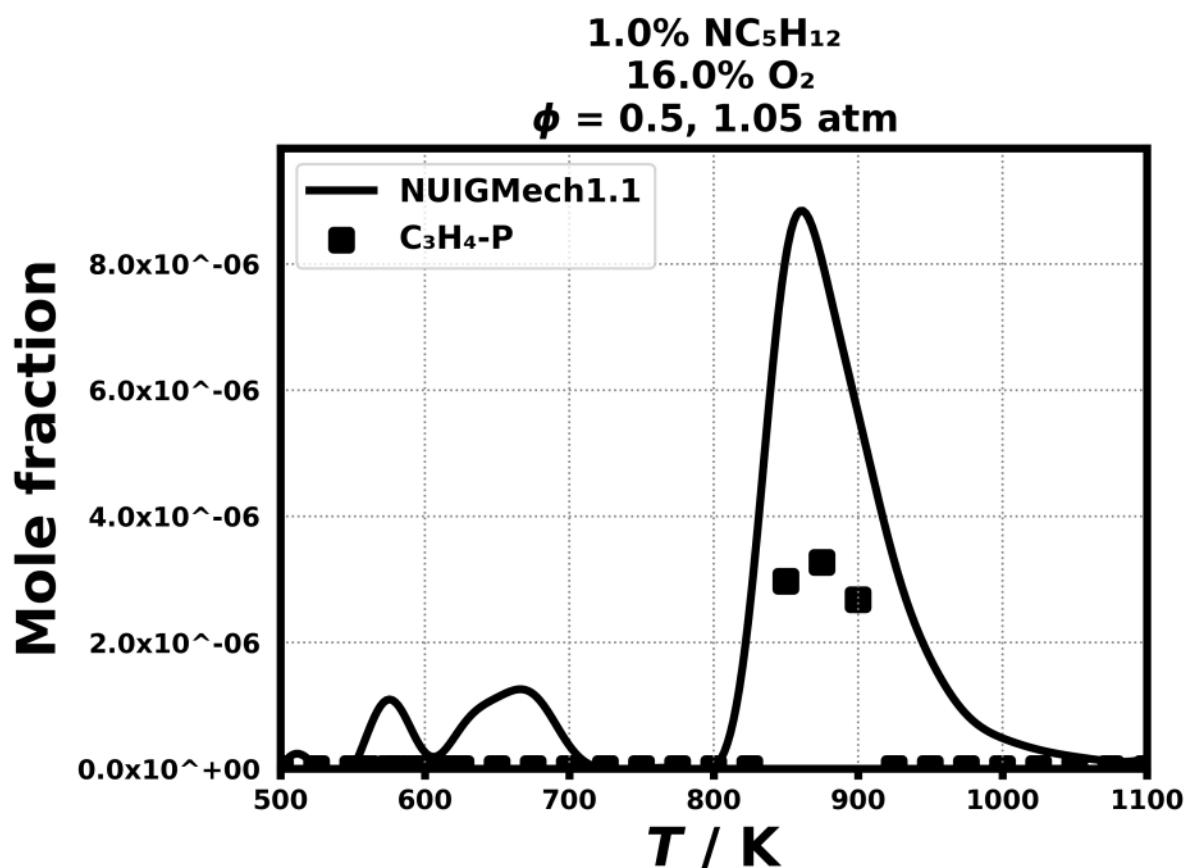


Figure 43: Dataset: 1.05_ATM_PHI_0.5

1.3.14 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

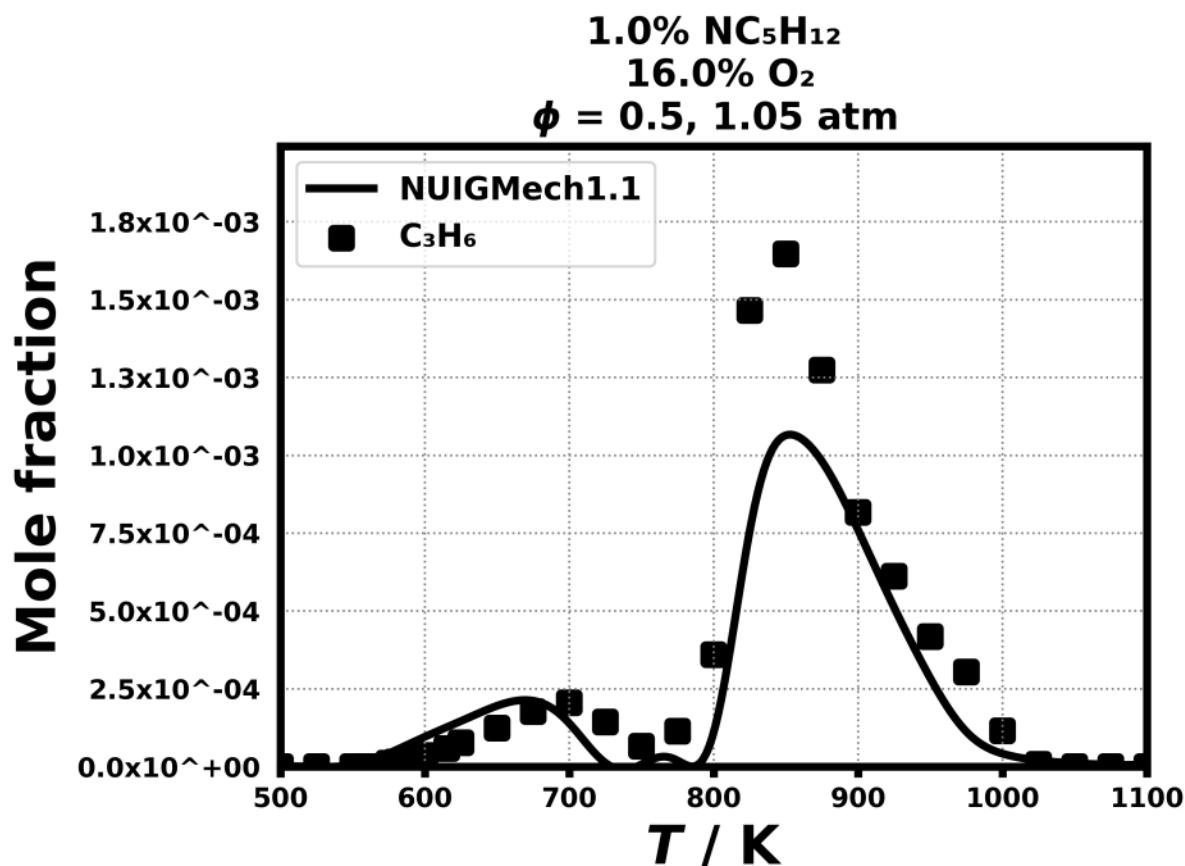


Figure 44: Dataset: 1.05_ATM_PHI_0.5

1.3.15 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

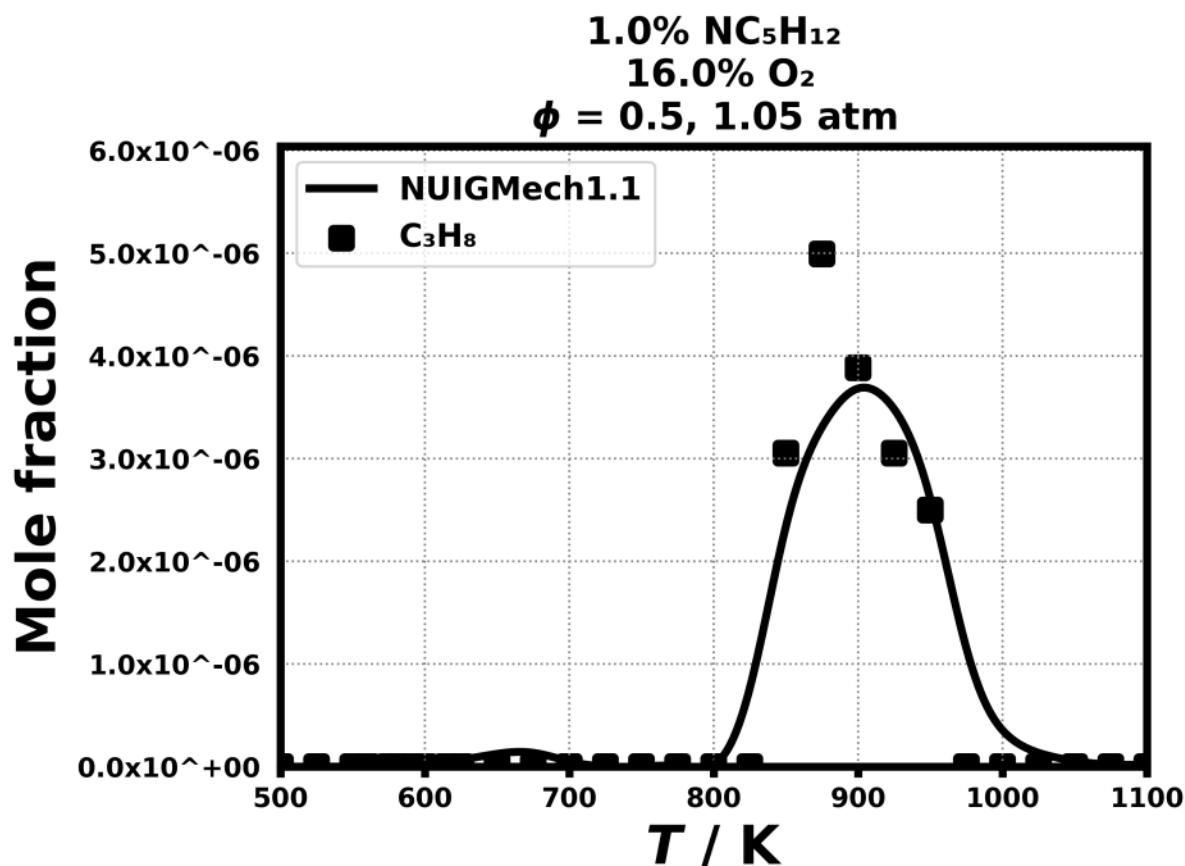


Figure 45: Dataset: 1.05_ATM_PHI_0.5

1.3.16 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

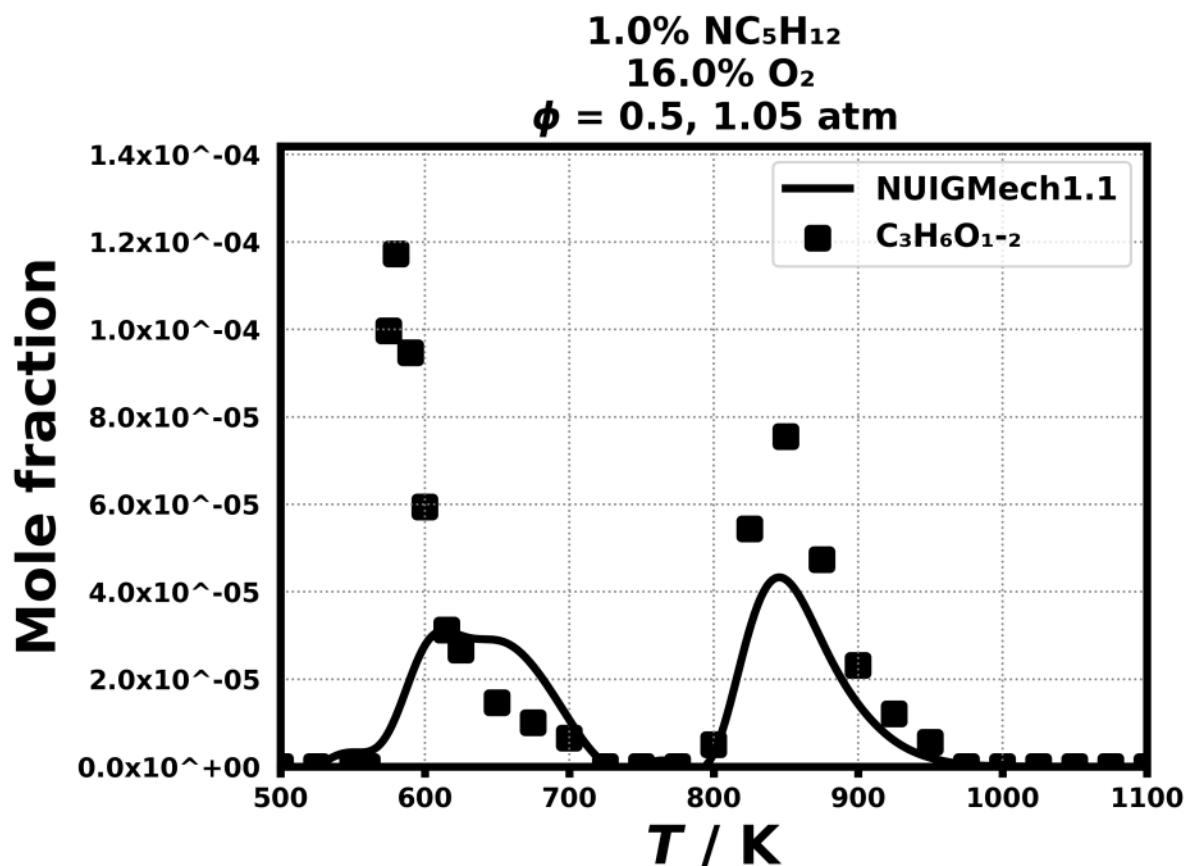


Figure 46: Dataset: 1.05_ATM_PHI_0.5

1.3.19 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

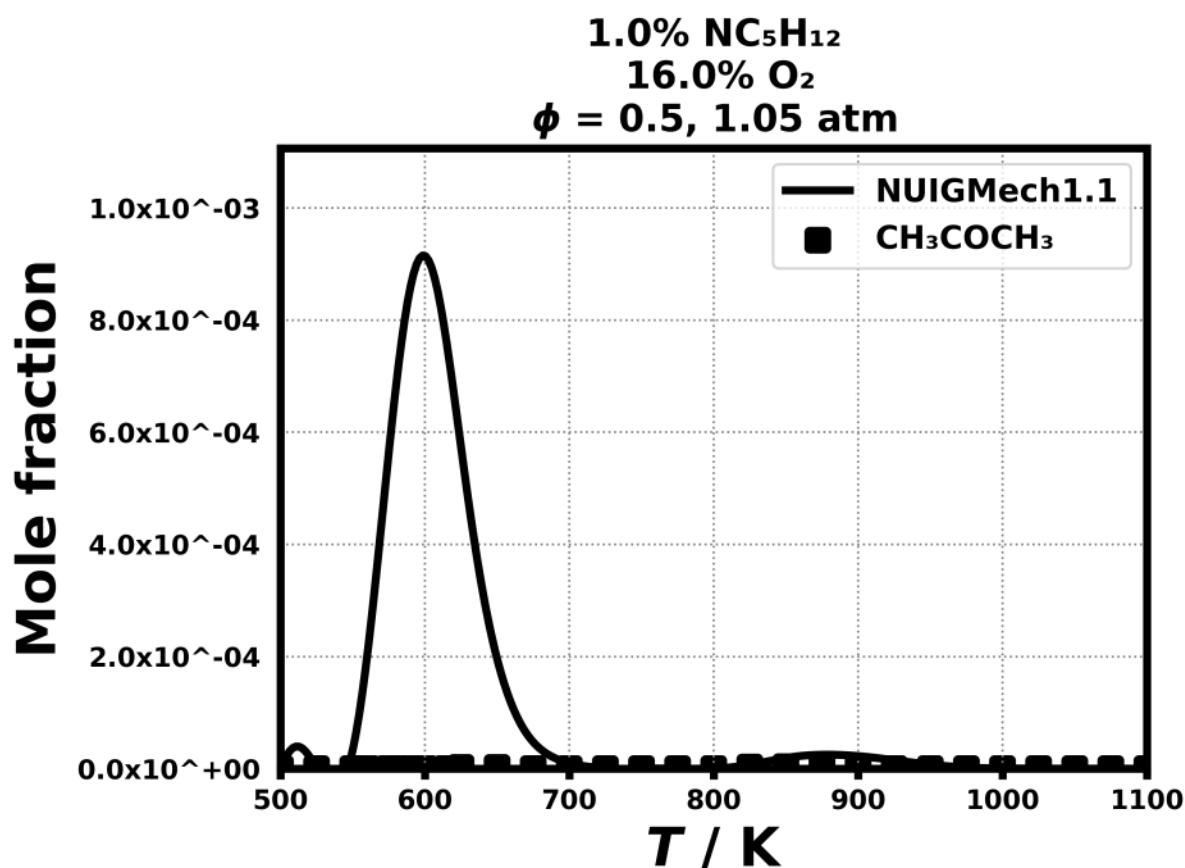


Figure 49: Dataset: 1.05_ATM_PHI_0.5

1.3.21 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

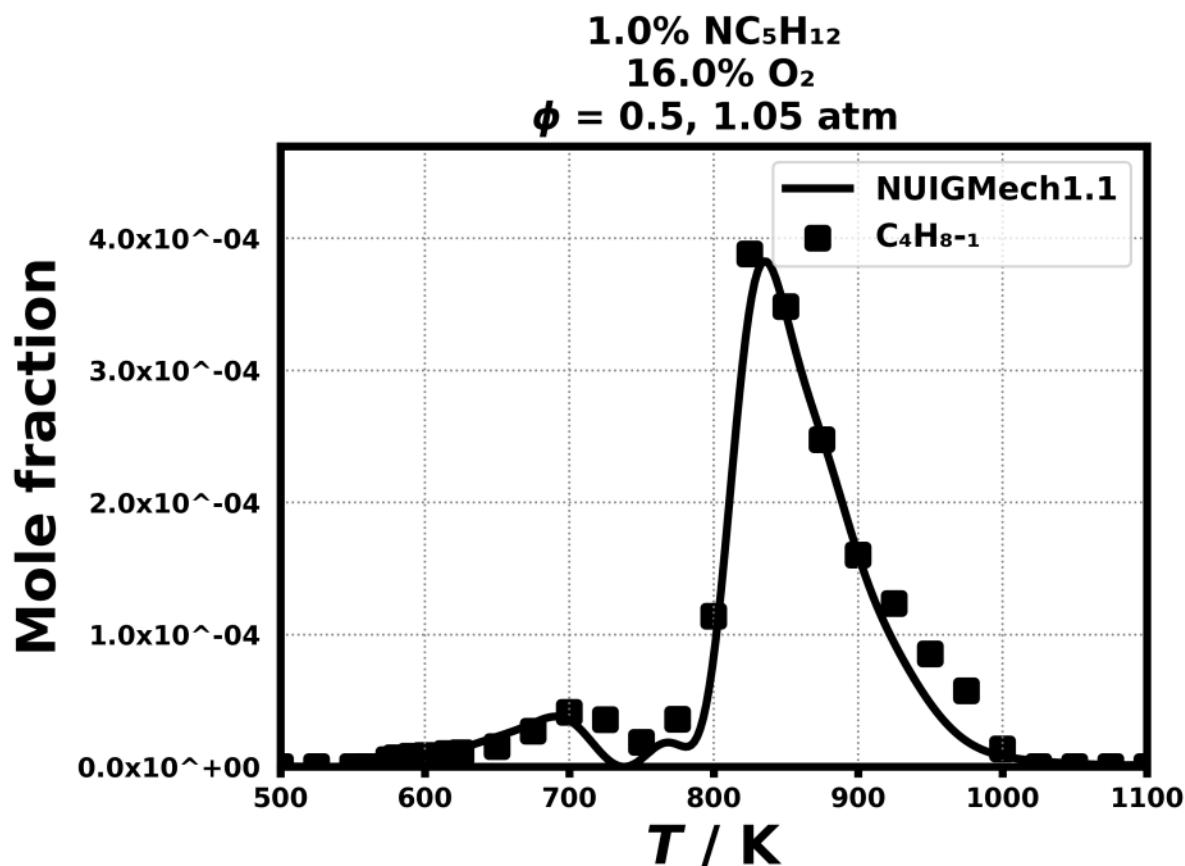


Figure 51: Dataset: 1.05_ATM_PHI_0.5

1.3.22 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

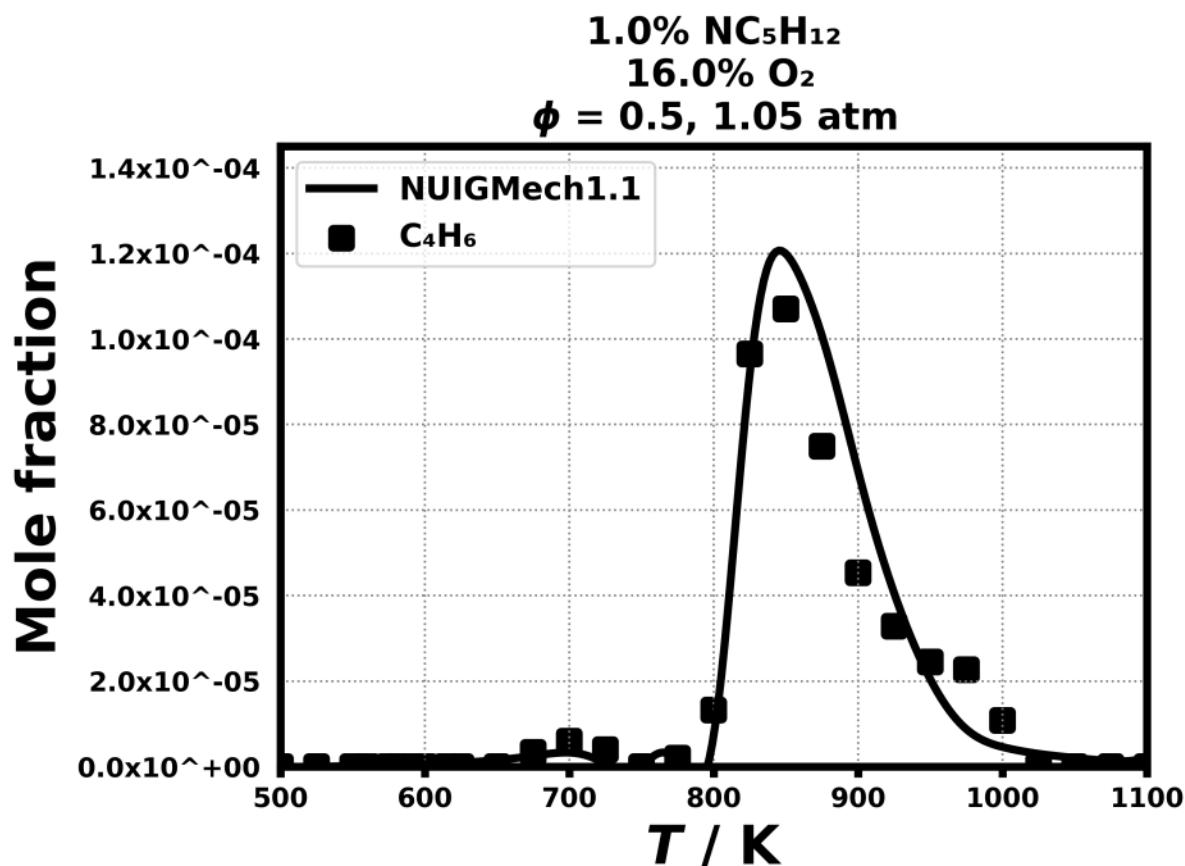


Figure 52: Dataset: 1.05_ATM_PHI_0.5

1.3.24 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

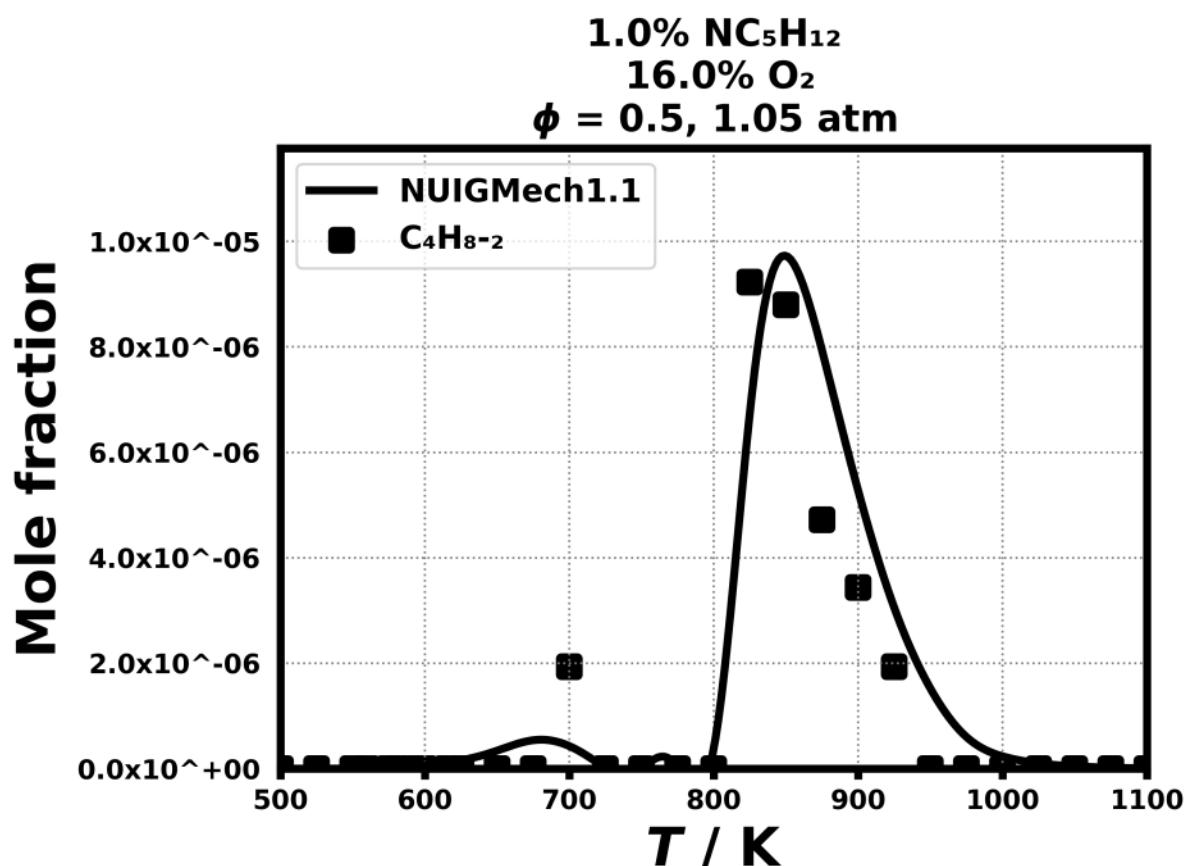


Figure 54: Dataset: 1.05_ATM_PHI_0.5

1.3.26 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

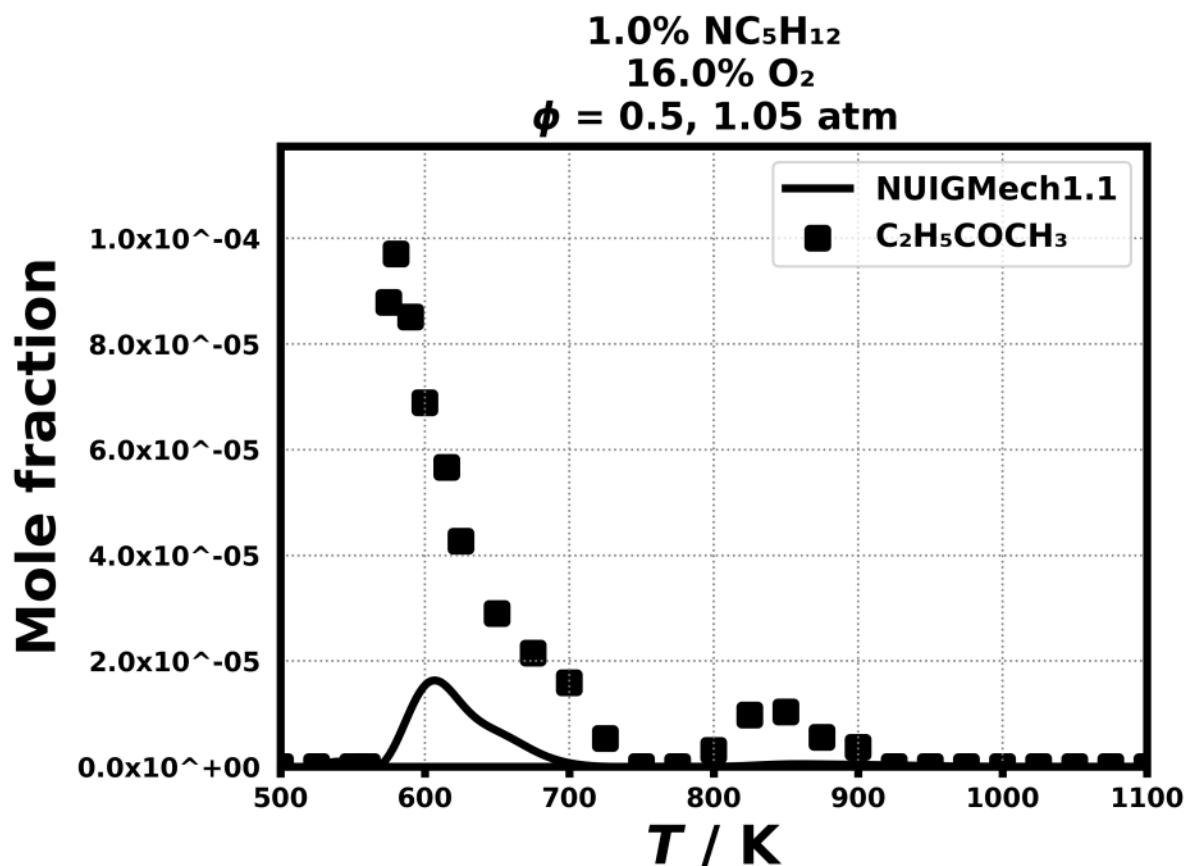


Figure 56: Dataset: 1.05_ATM_PHI_0.5

1.3.27 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

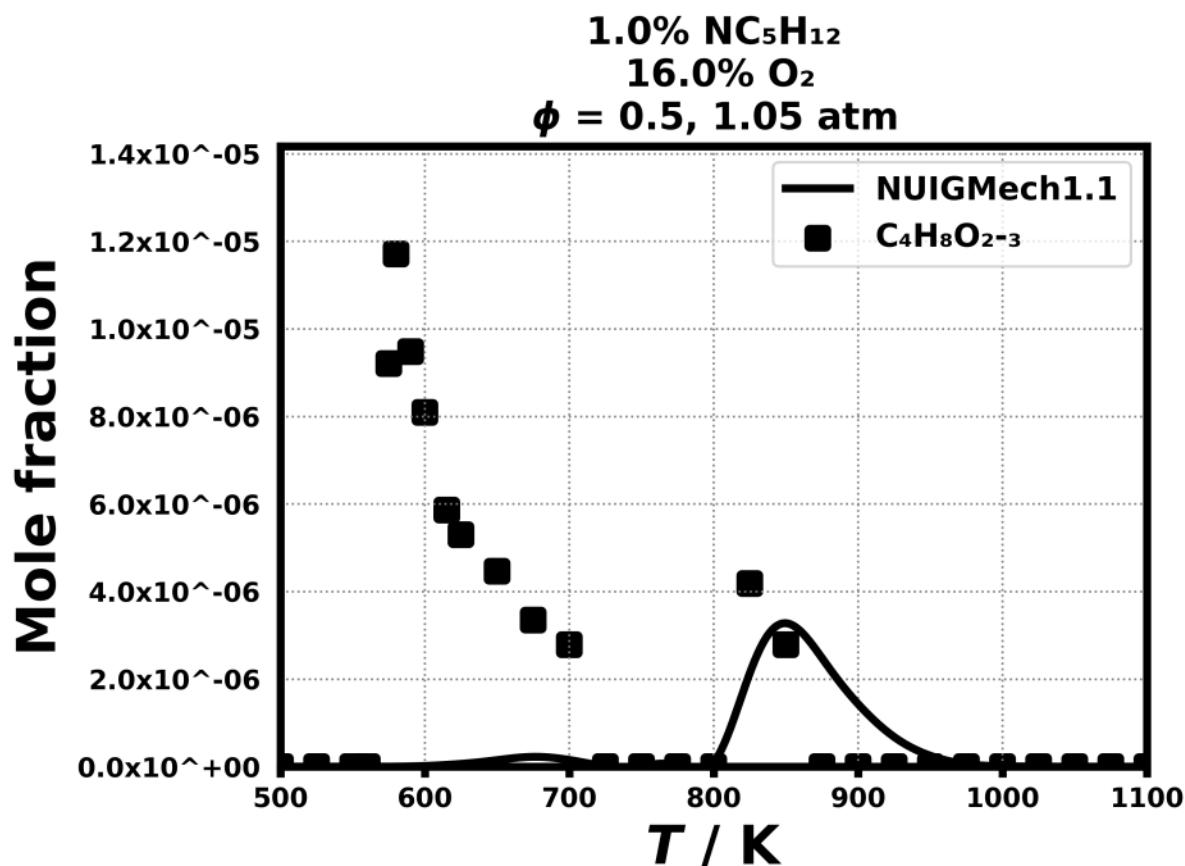


Figure 57: Dataset: 1.05_ATM_PHI_0.5

1.3.28 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

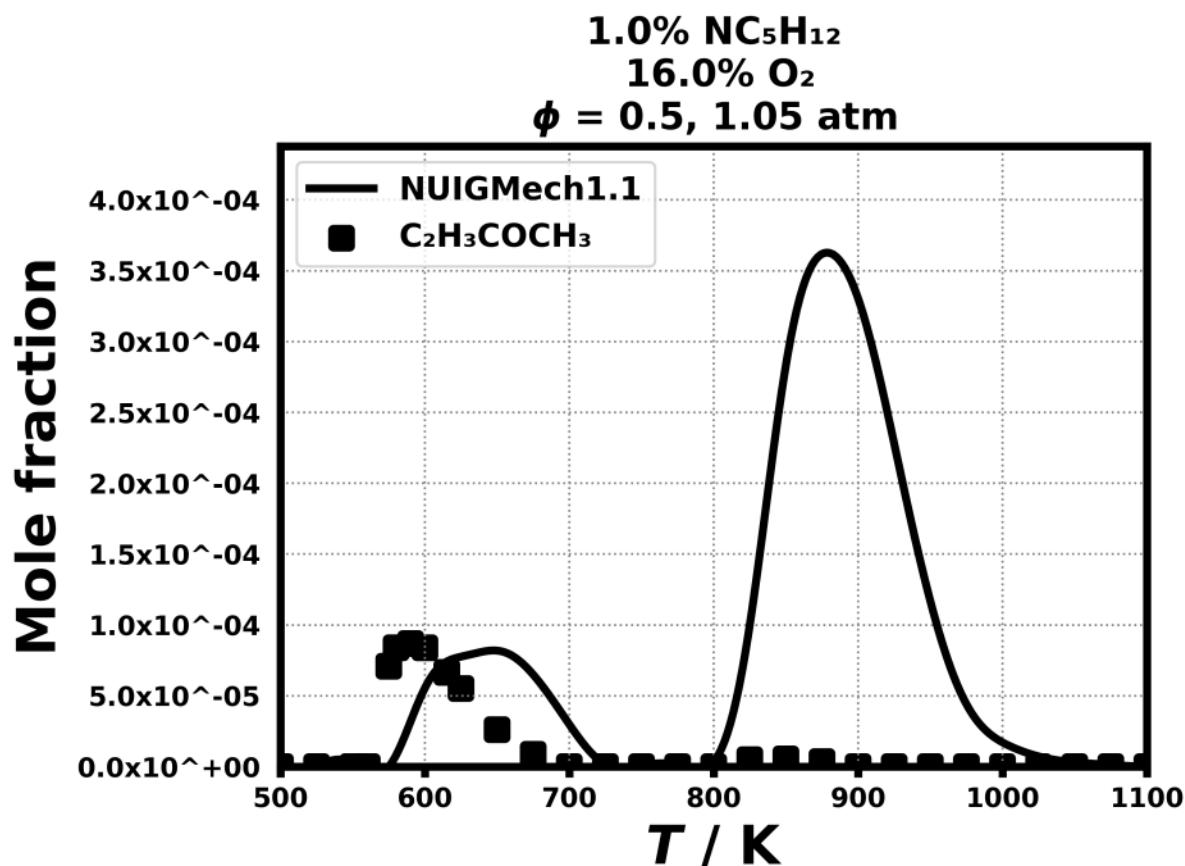


Figure 58: Dataset: 1.05_ATM_PHI_0.5

1.3.29 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

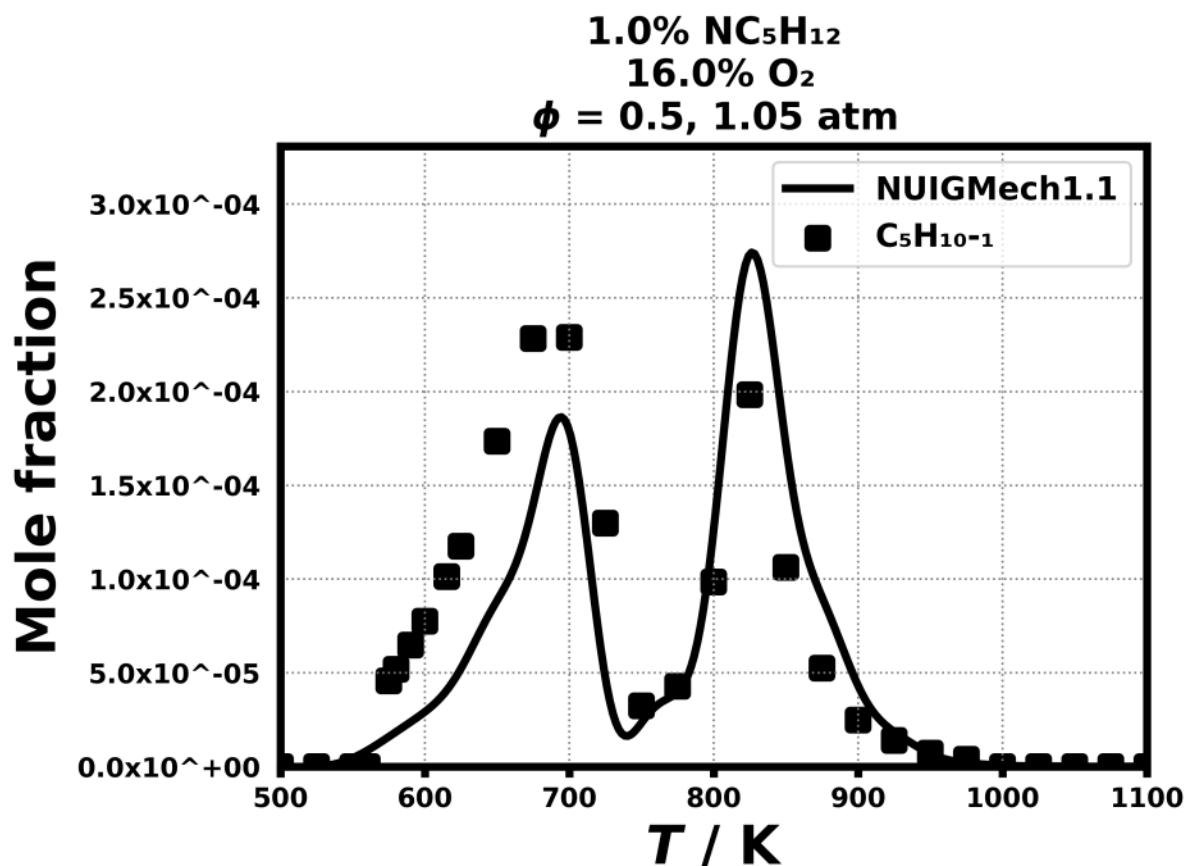


Figure 59: Dataset: 1.05_ATM_PHI_0.5

1.3.30 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

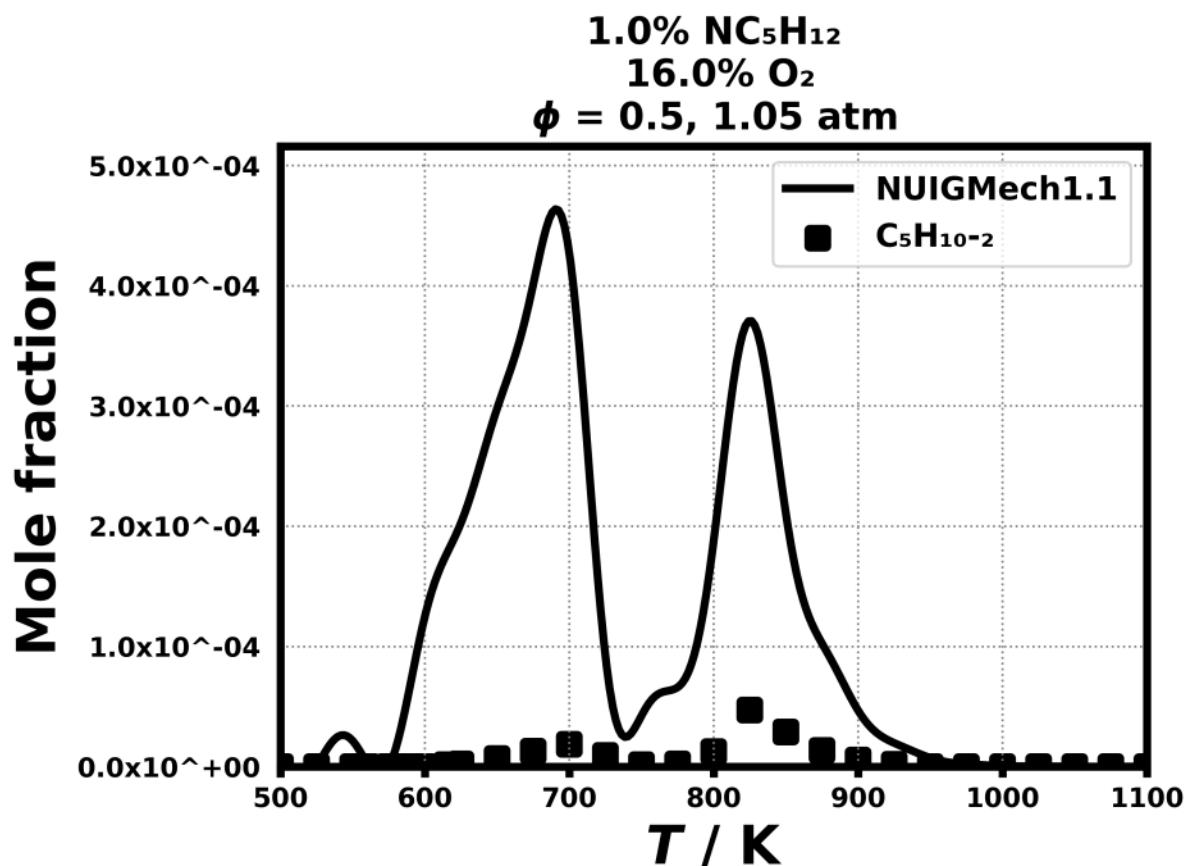


Figure 60: Dataset: 1.05_ATM_PHI_0.5

1.3.31 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

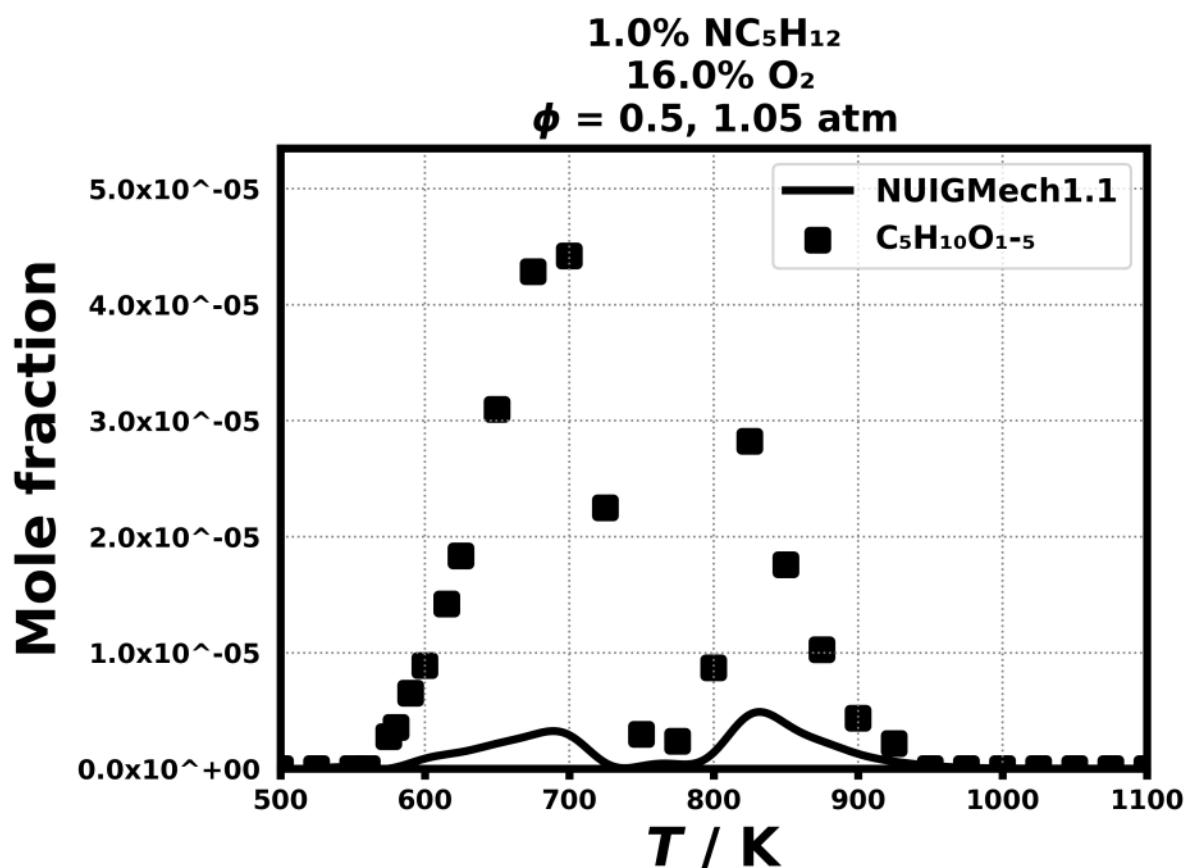


Figure 61: Dataset: 1.05_ATM_PHI_0.5

1.3.32 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

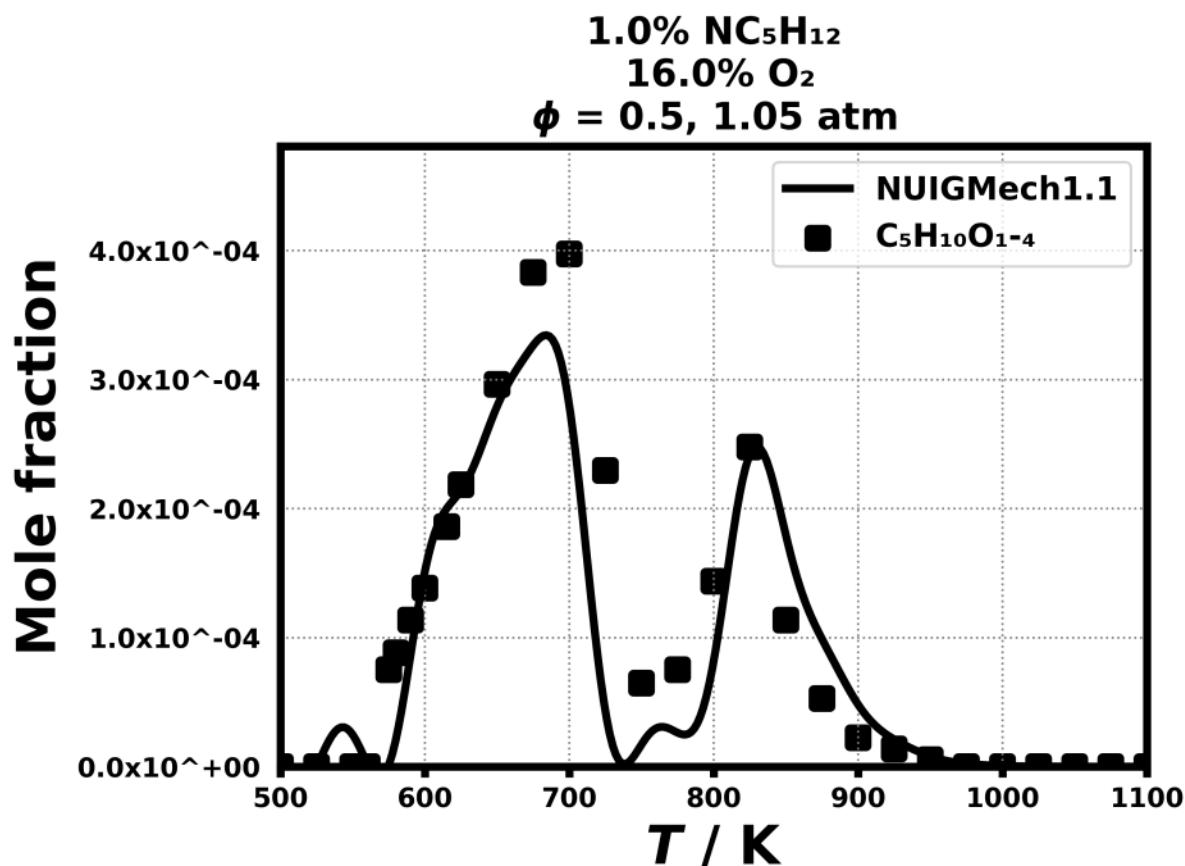


Figure 62: Dataset: 1.05_ATM_PHI_0.5

1.3.33 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

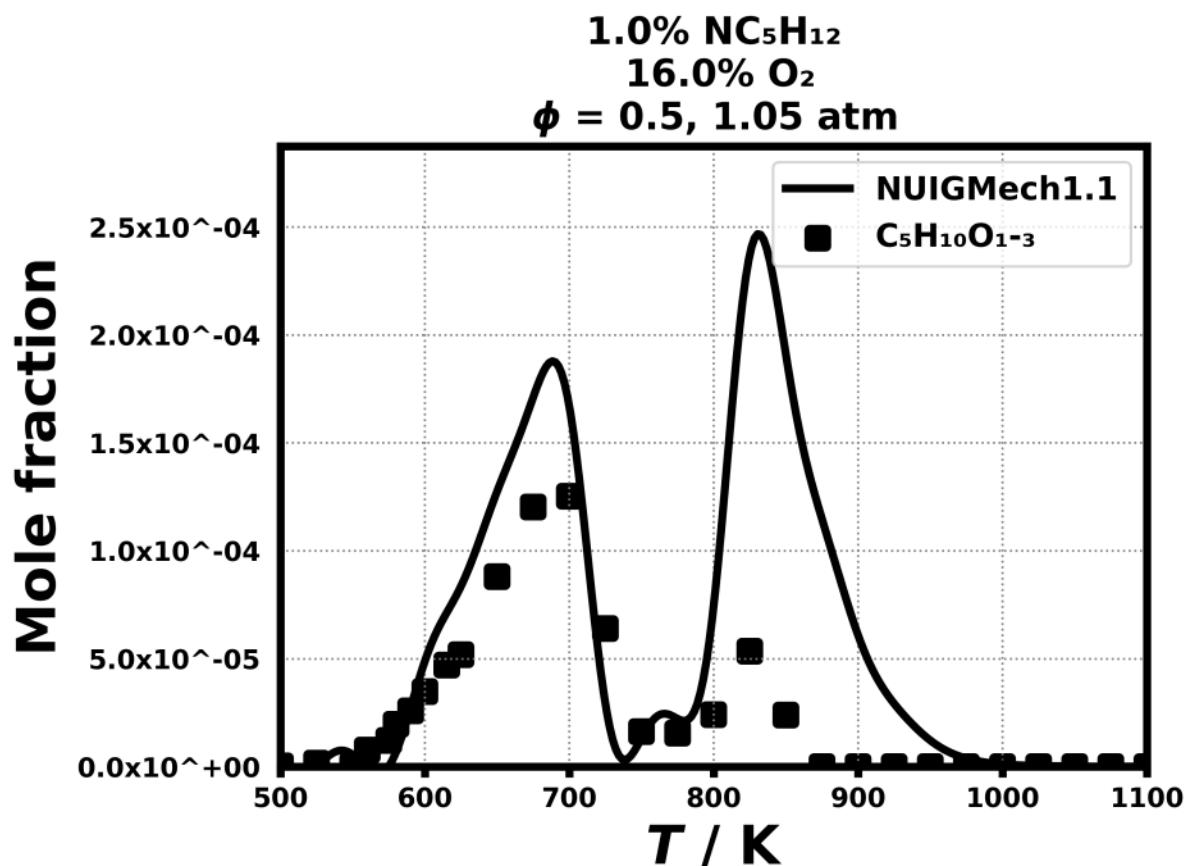


Figure 63: Dataset: 1.05_ATM_PHI_0.5

1.3.34 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

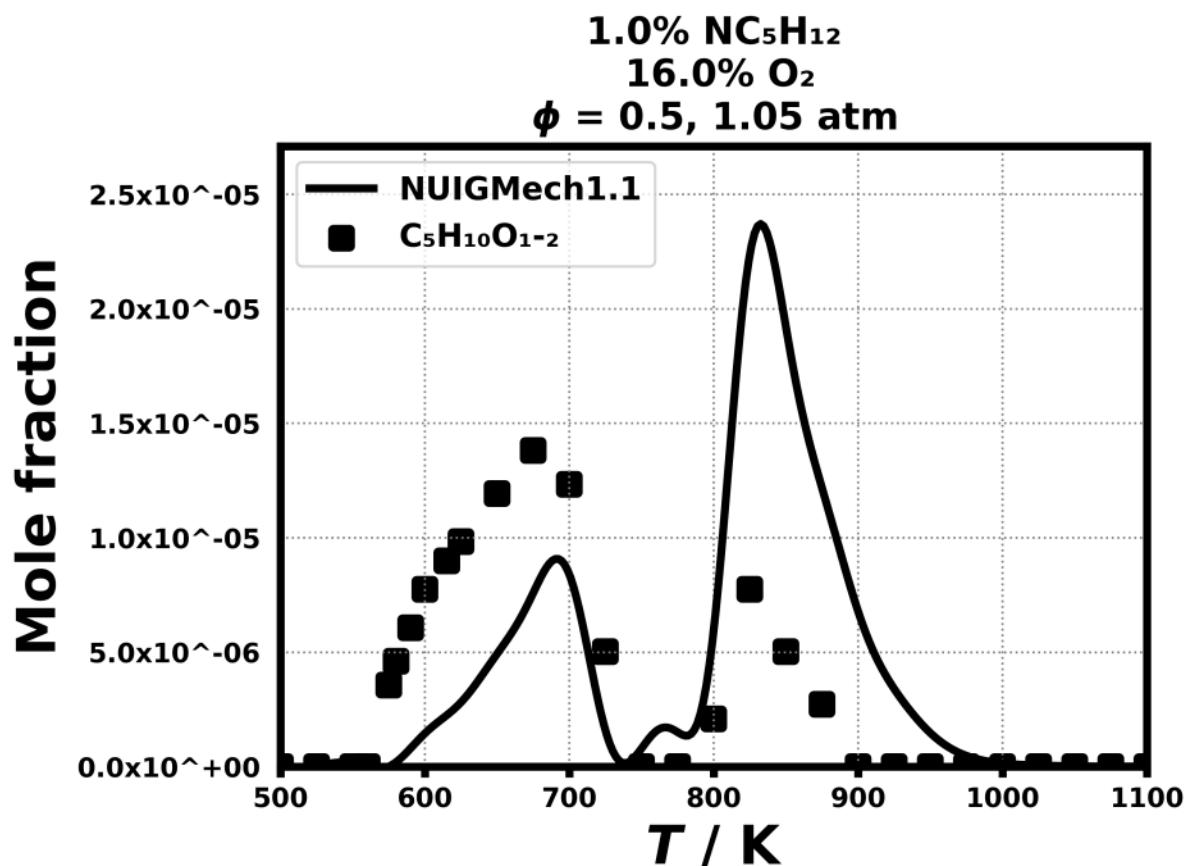


Figure 64: Dataset: 1.05_ATM_PHI_0.5

1.3.35 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

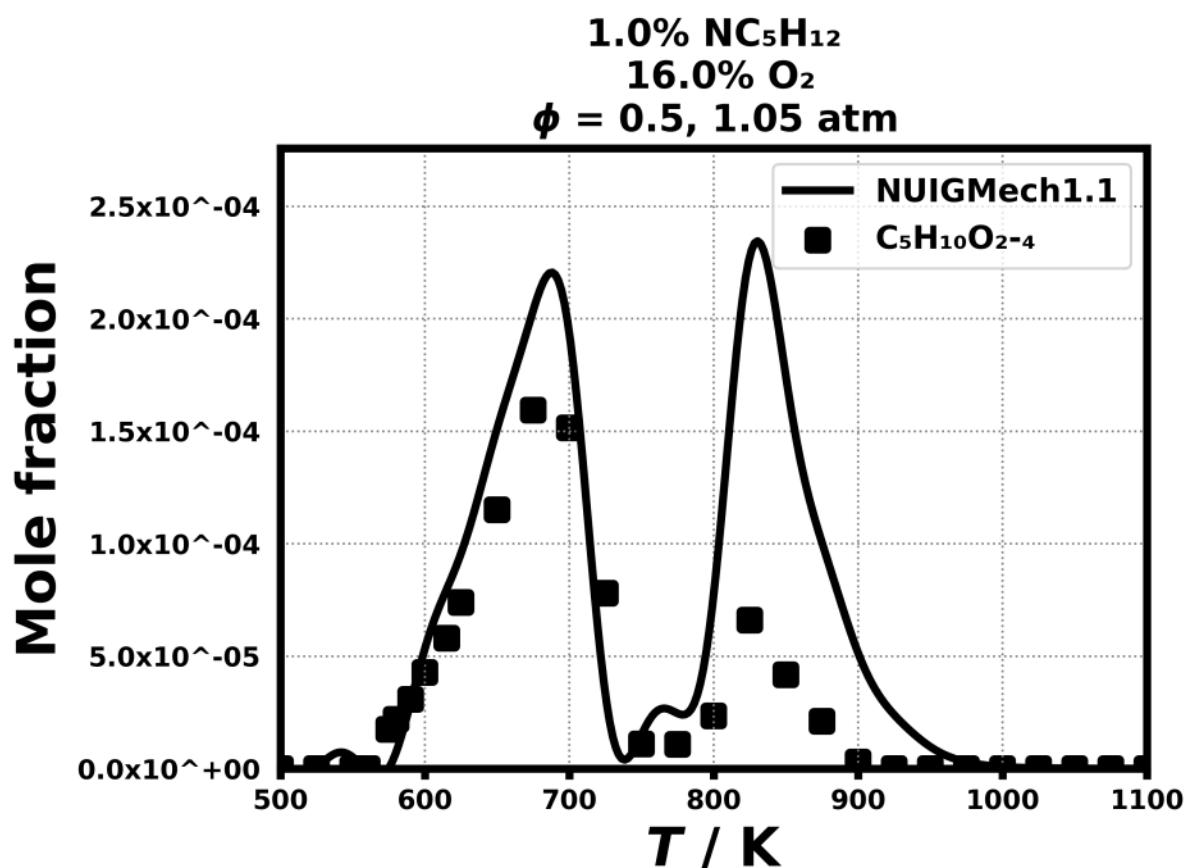


Figure 65: Dataset: 1.05_ATM_PHI_0.5

1.3.36 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

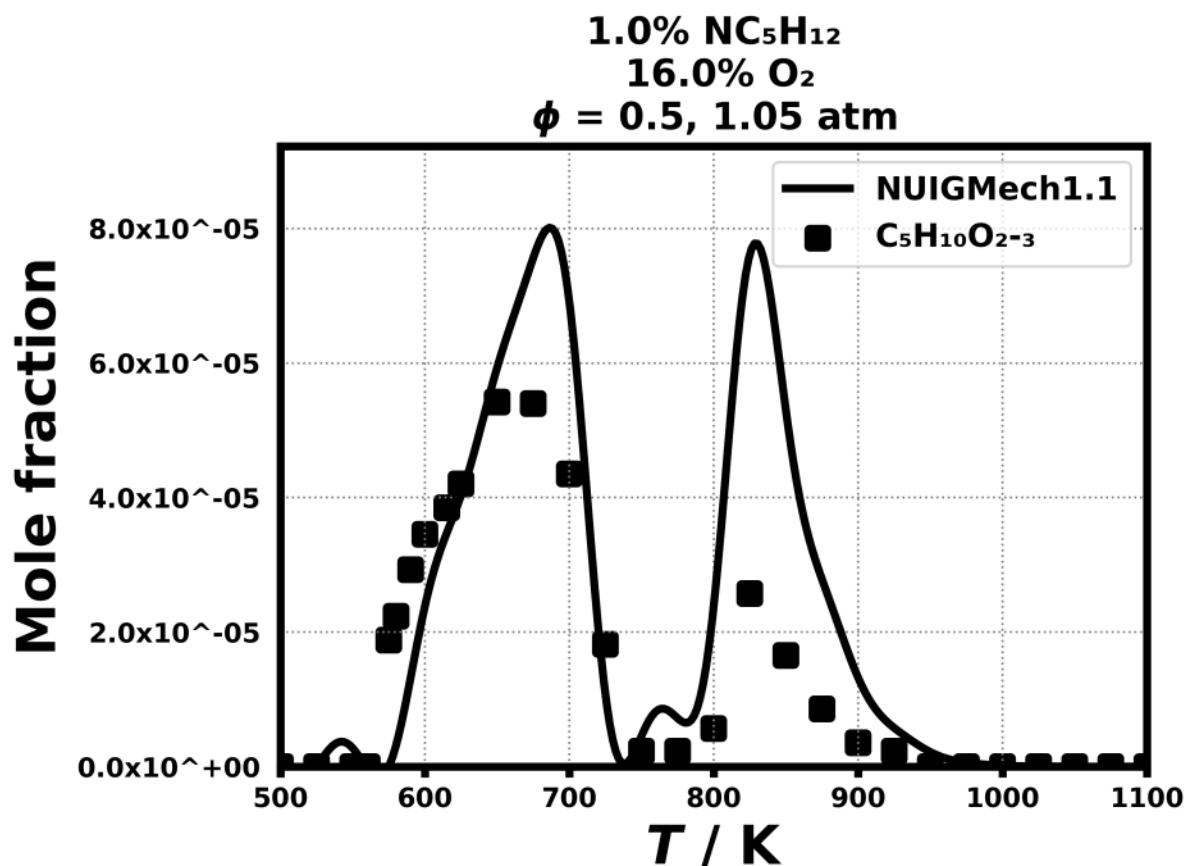


Figure 66: Dataset: 1.05_ATM_PHI_0.5

1.3.37 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

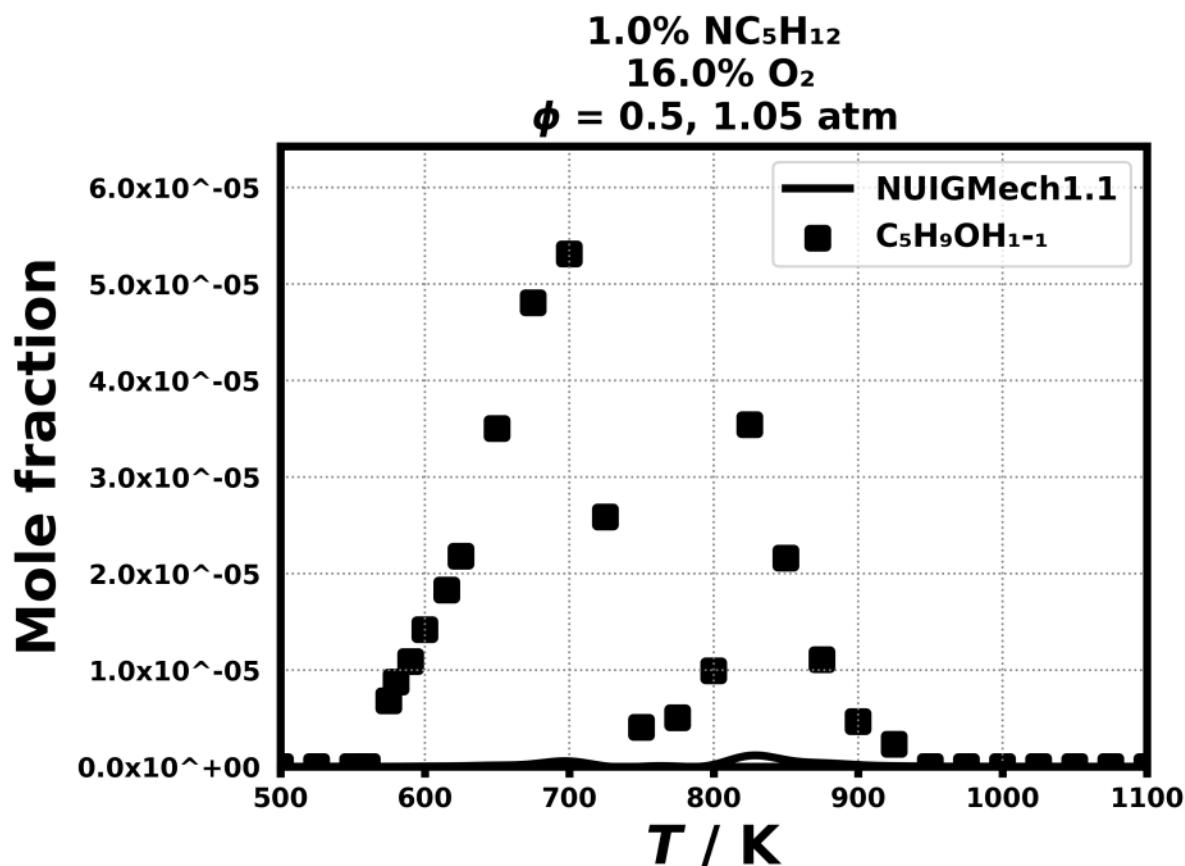


Figure 67: Dataset: 1.05_ATM_PHI_0.5

1.3.38 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_0.5

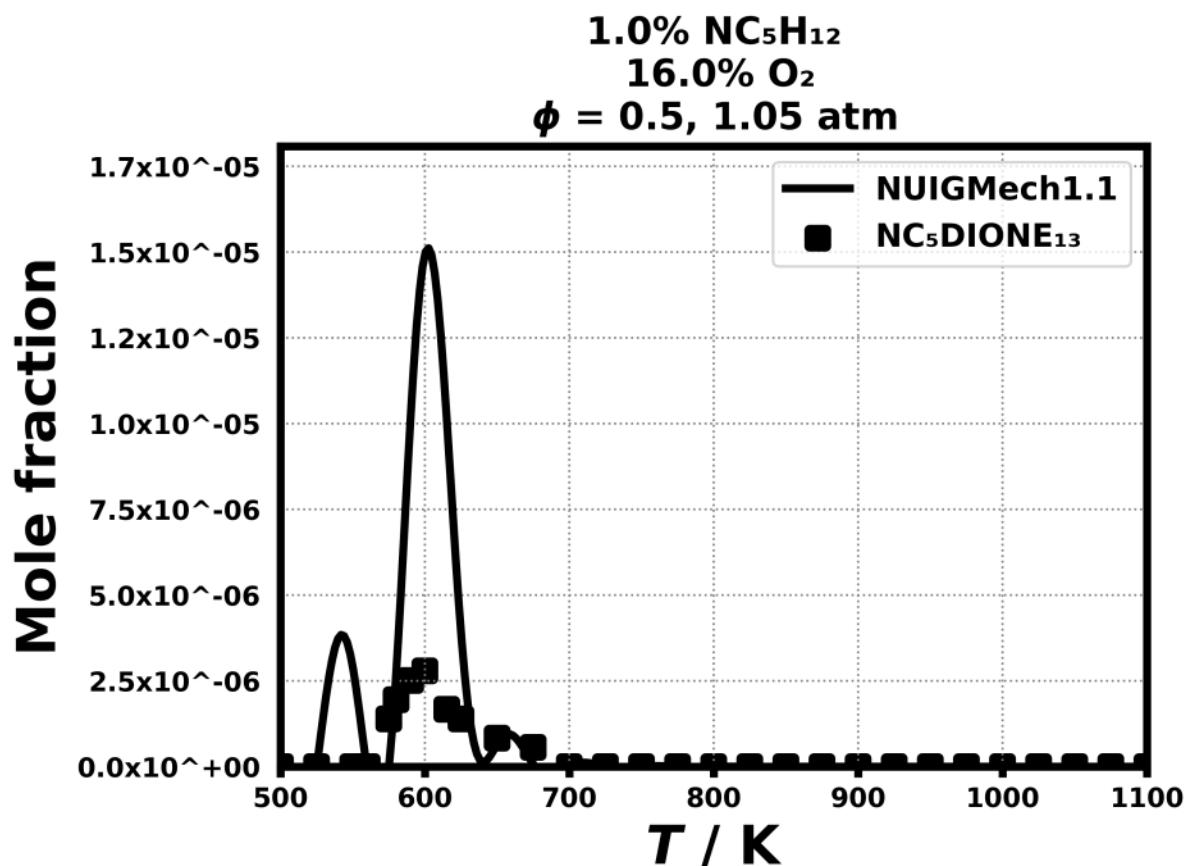


Figure 68: Dataset: 1.05_ATM_PHI_0.5

1.3.39 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_0.5

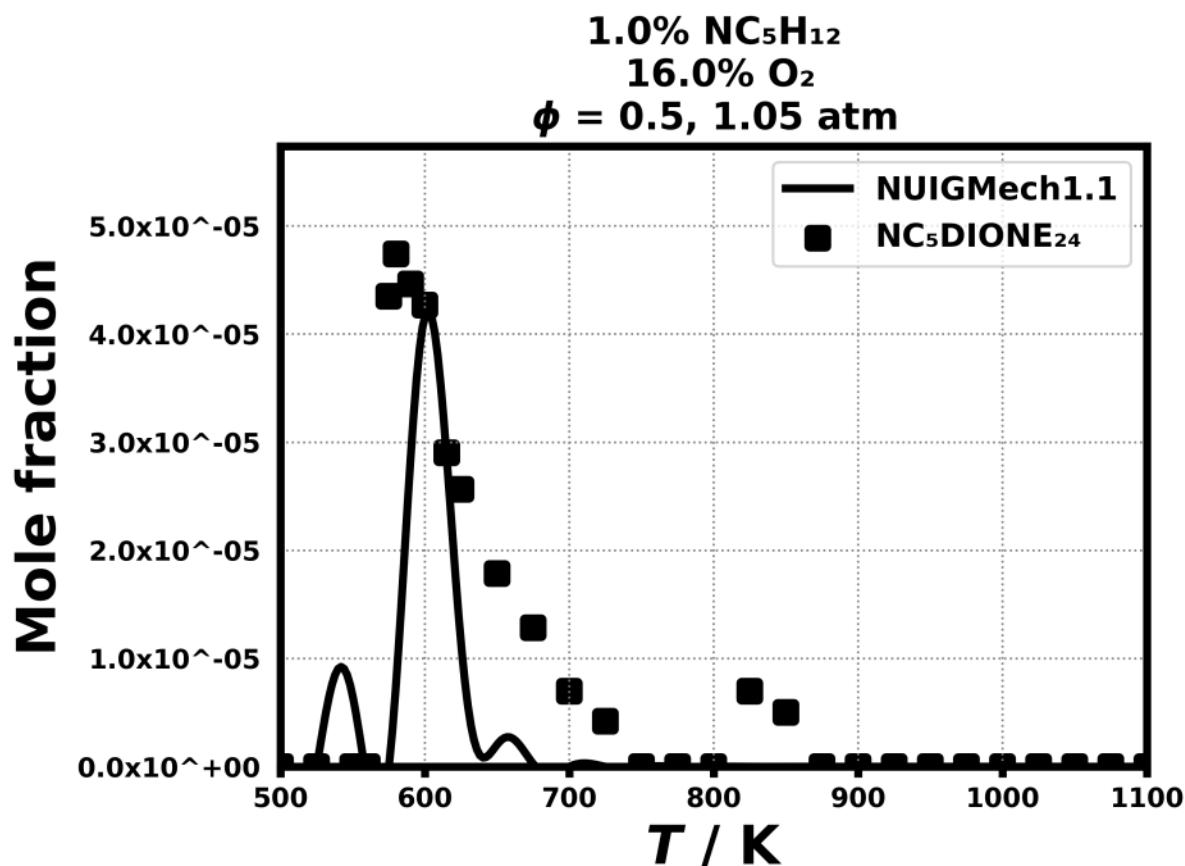


Figure 69: Dataset: 1.05_ATM_PHI_0.5

1.3.40 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

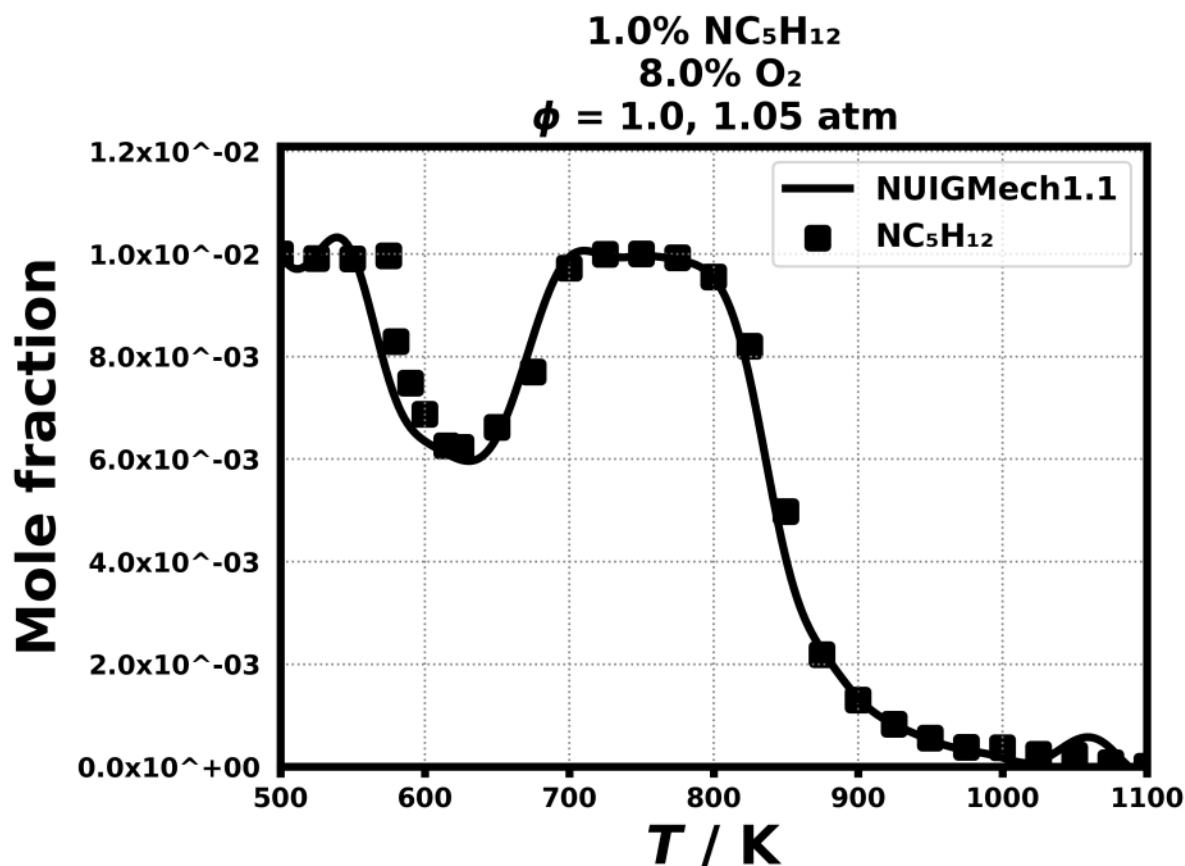


Figure 70: Dataset: 1.05_ATM_PHI_1.0

1.3.41 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

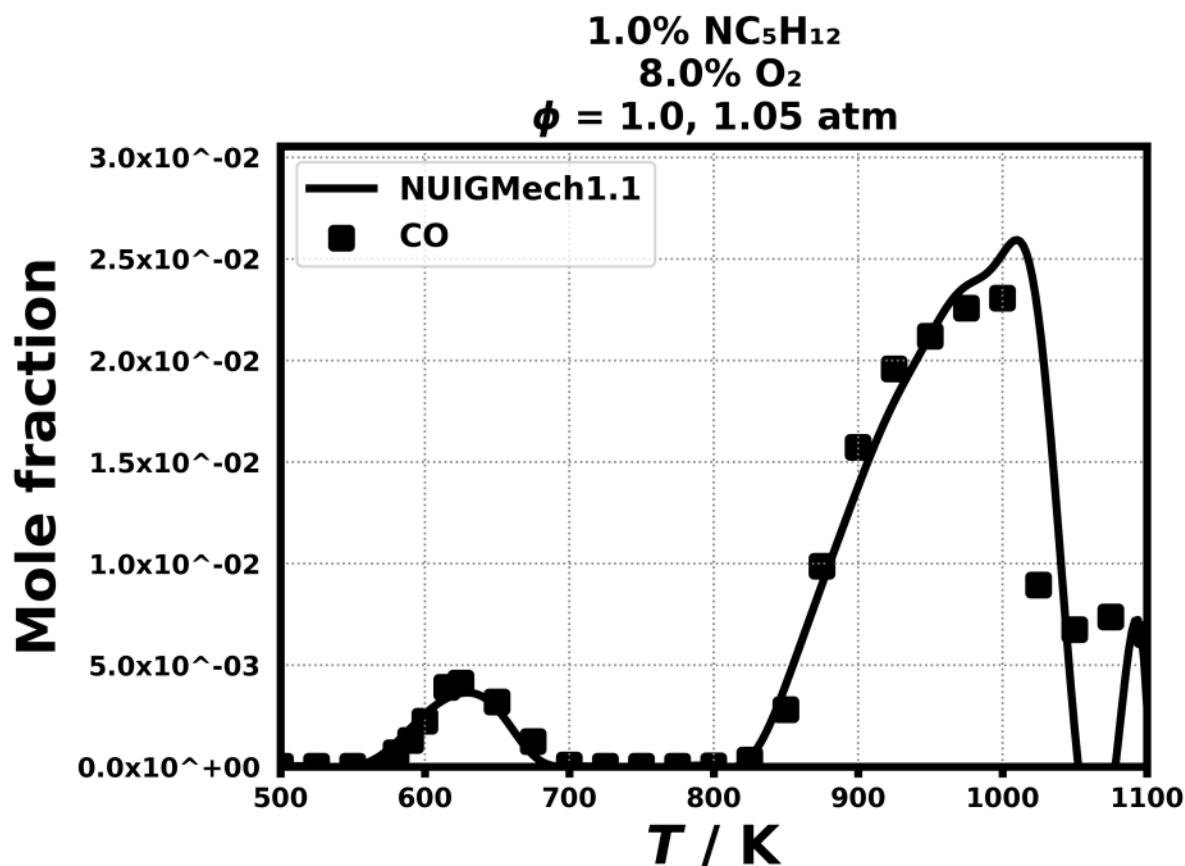


Figure 71: Dataset: 1.05_ATM_PHI_1.0

1.3.42 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

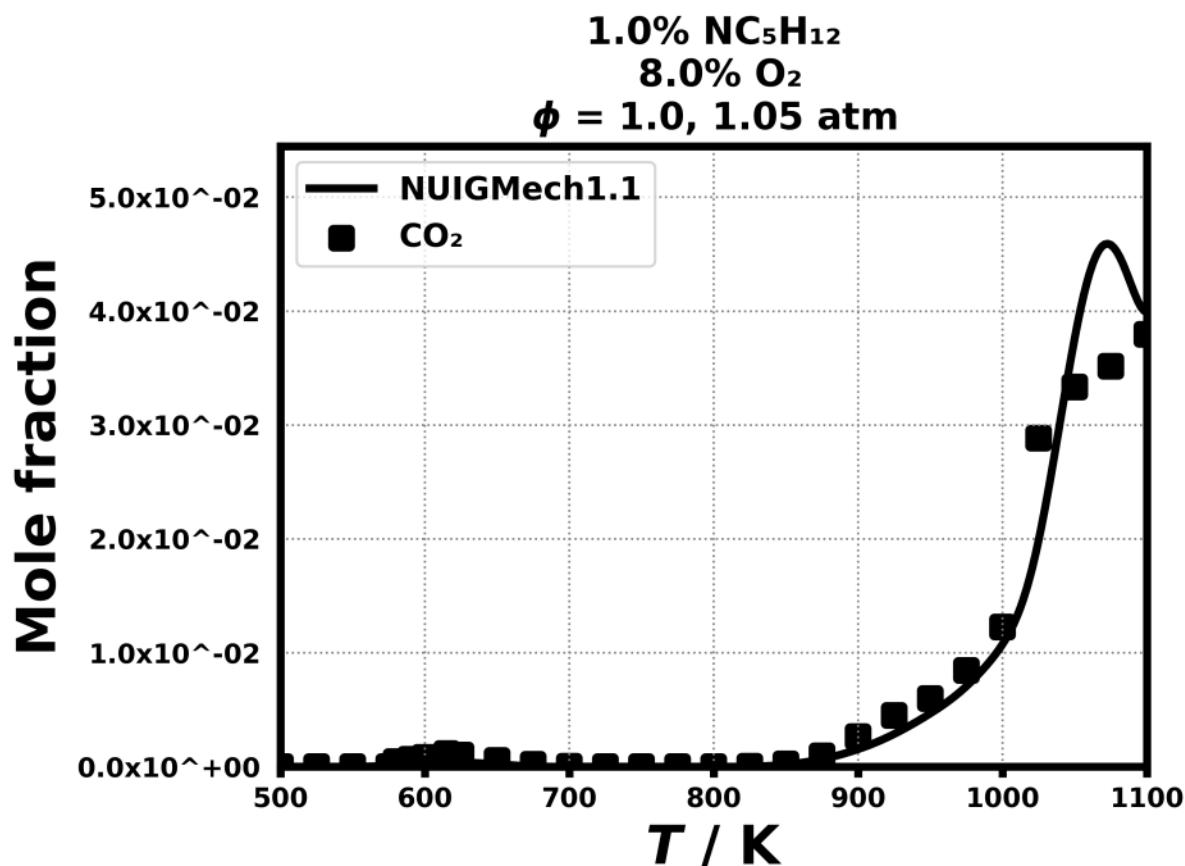


Figure 72: Dataset: 1.05_ATM_PHI_1.0

1.3.43 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

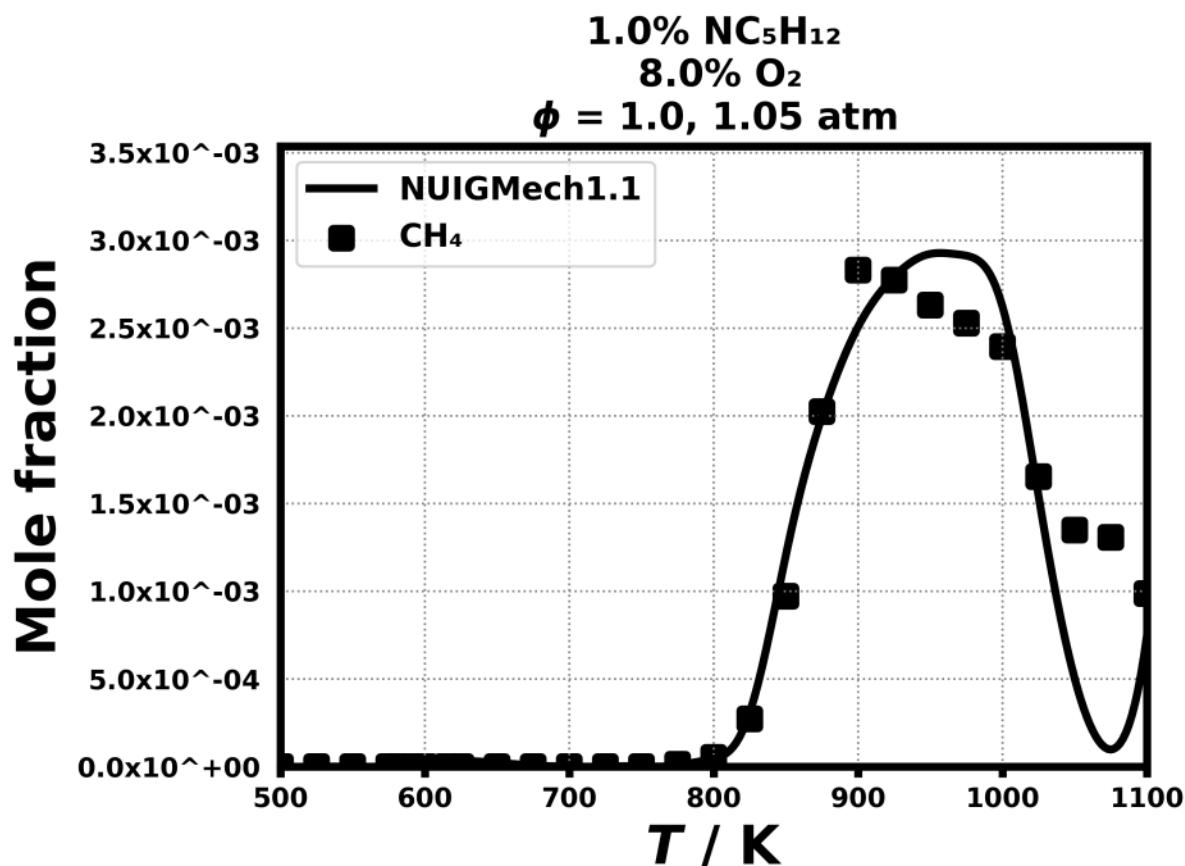


Figure 73: Dataset: 1.05_ATM_PHI_1.0

1.3.44 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

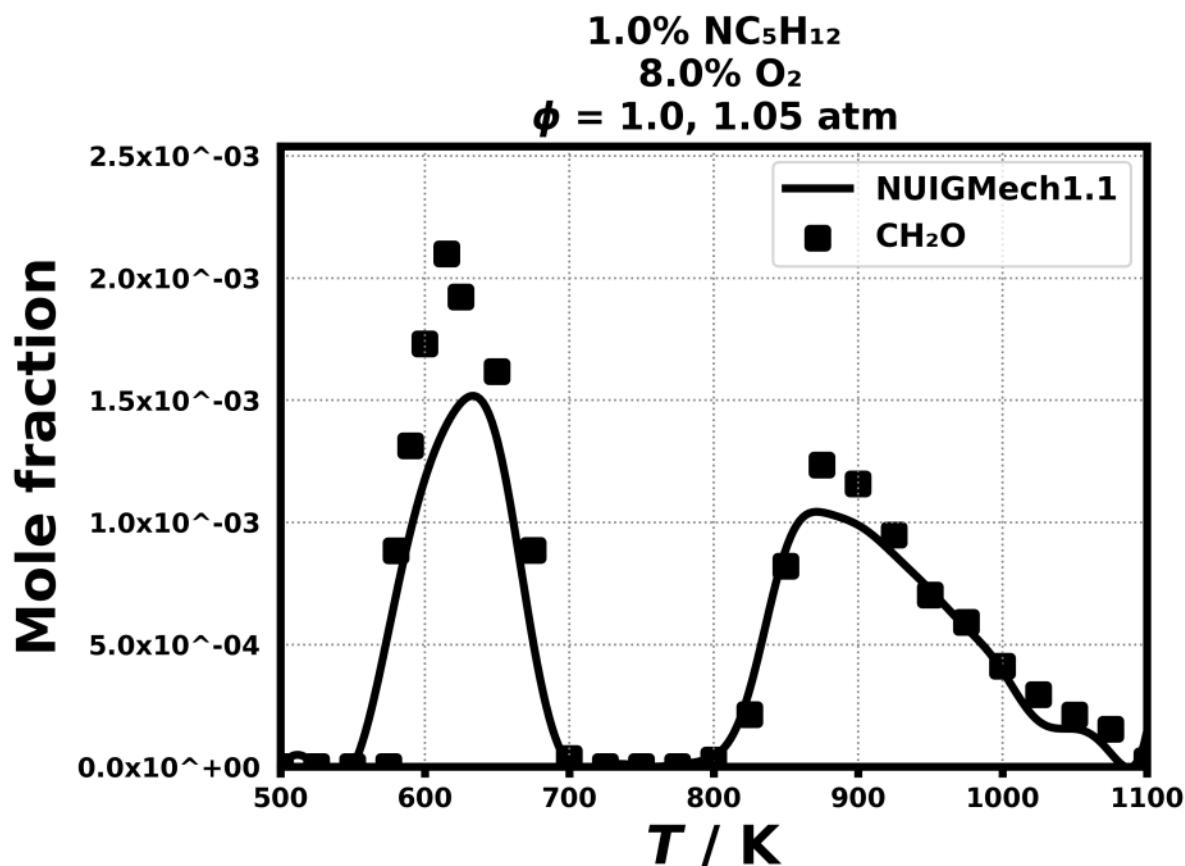


Figure 74: Dataset: 1.05_ATM_PHI_1.0

1.3.45 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

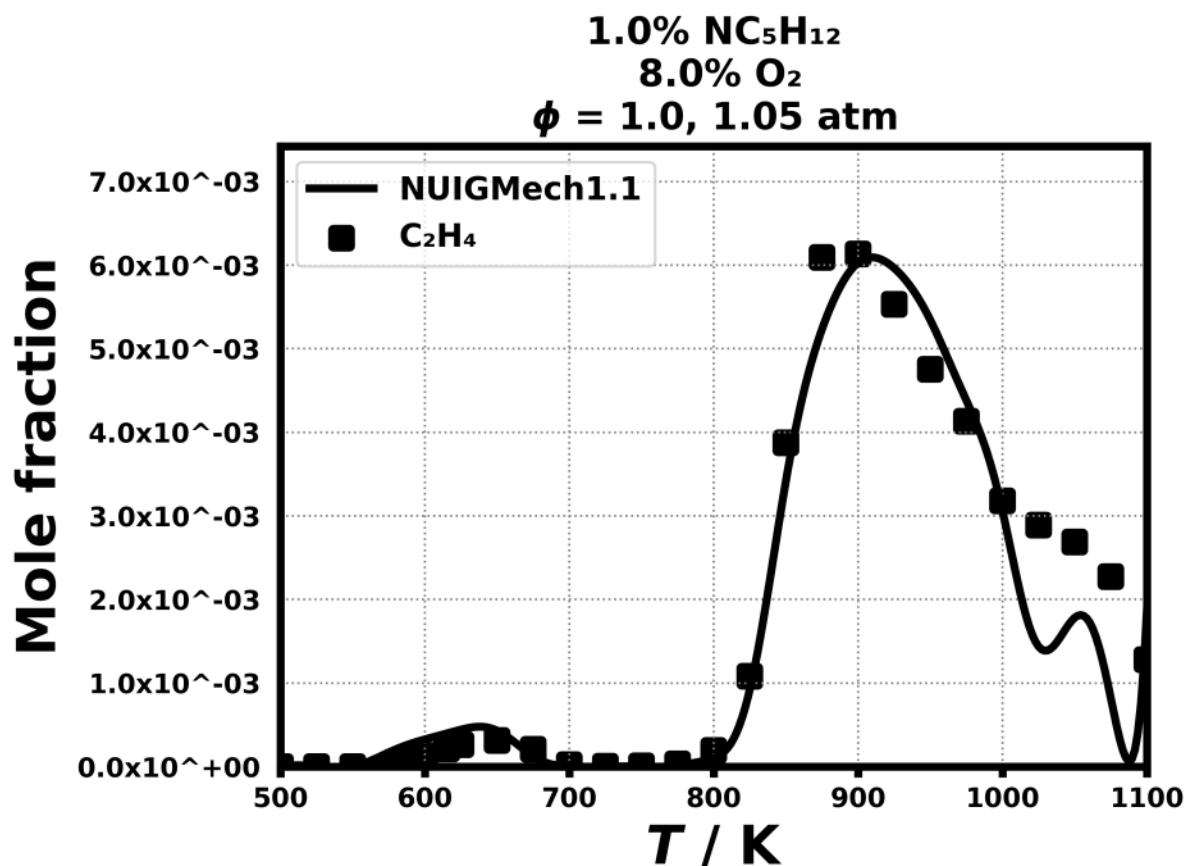


Figure 75: Dataset: 1.05_ATM_PHI_1.0

1.3.46 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

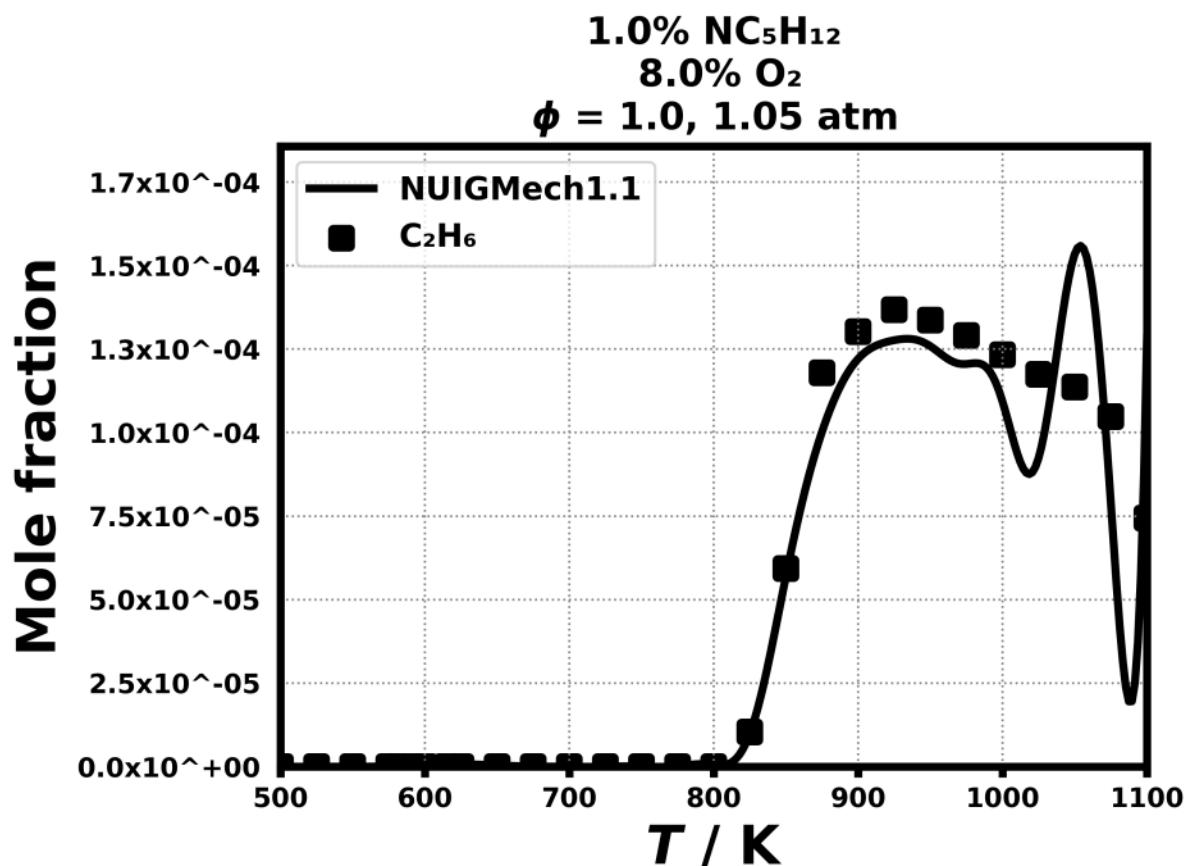


Figure 76: Dataset: 1.05_ATM_PHI_1.0

1.3.47 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

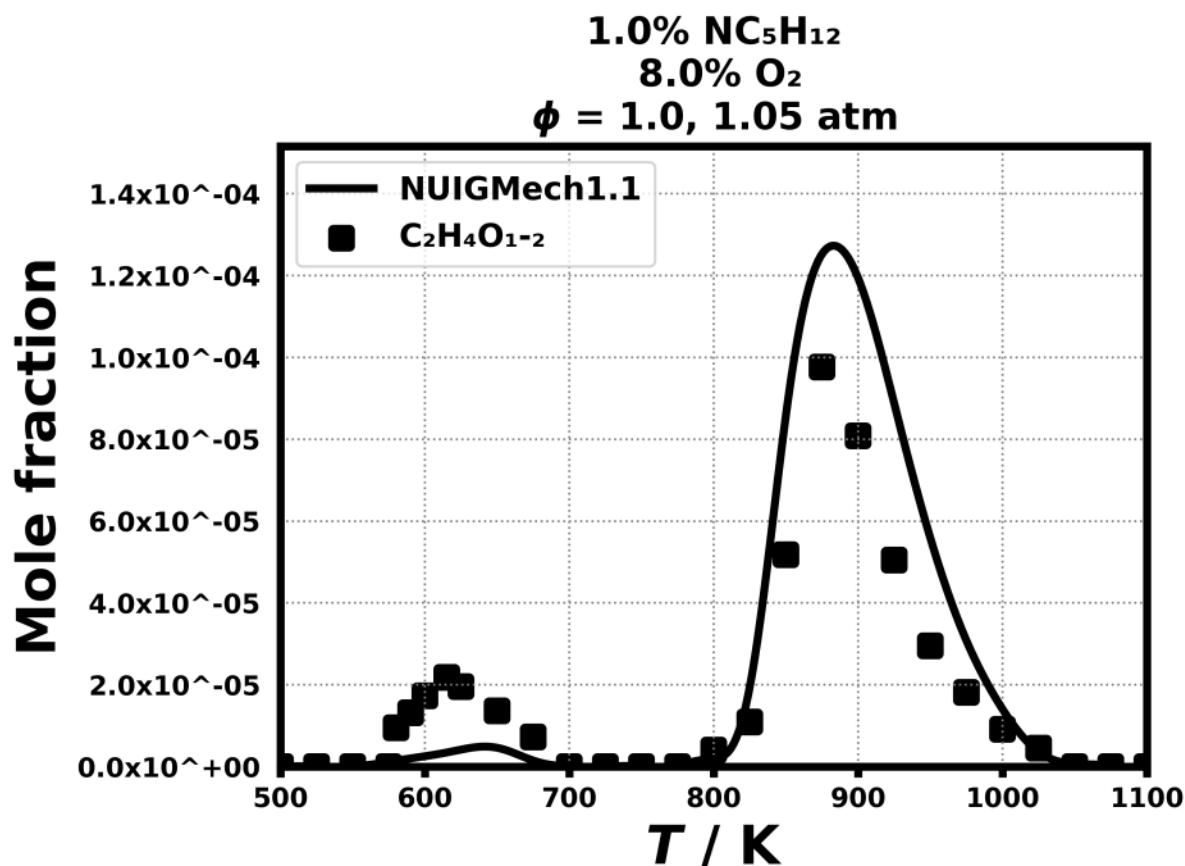


Figure 77: Dataset: 1.05_ATM_PHI_1.0

1.3.48 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

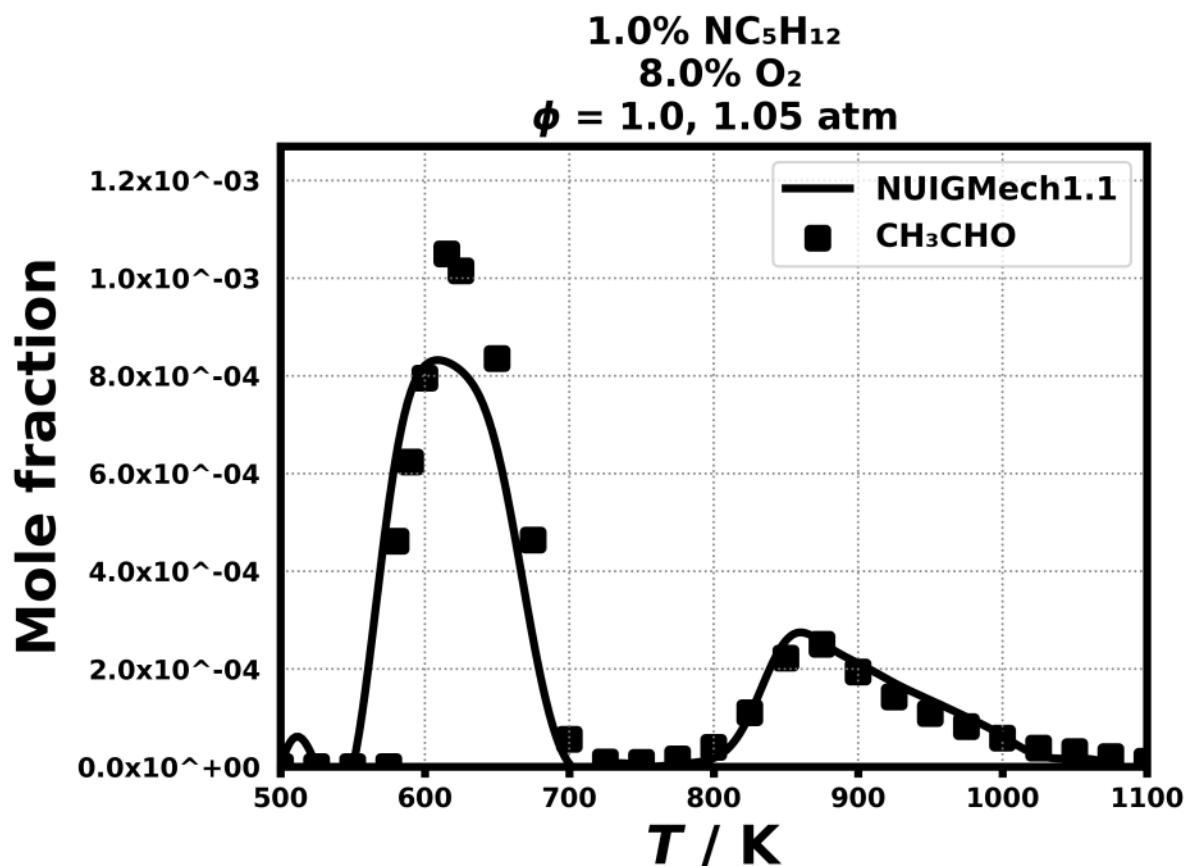


Figure 78: Dataset: 1.05_ATM_PHI_1.0

1.3.49 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

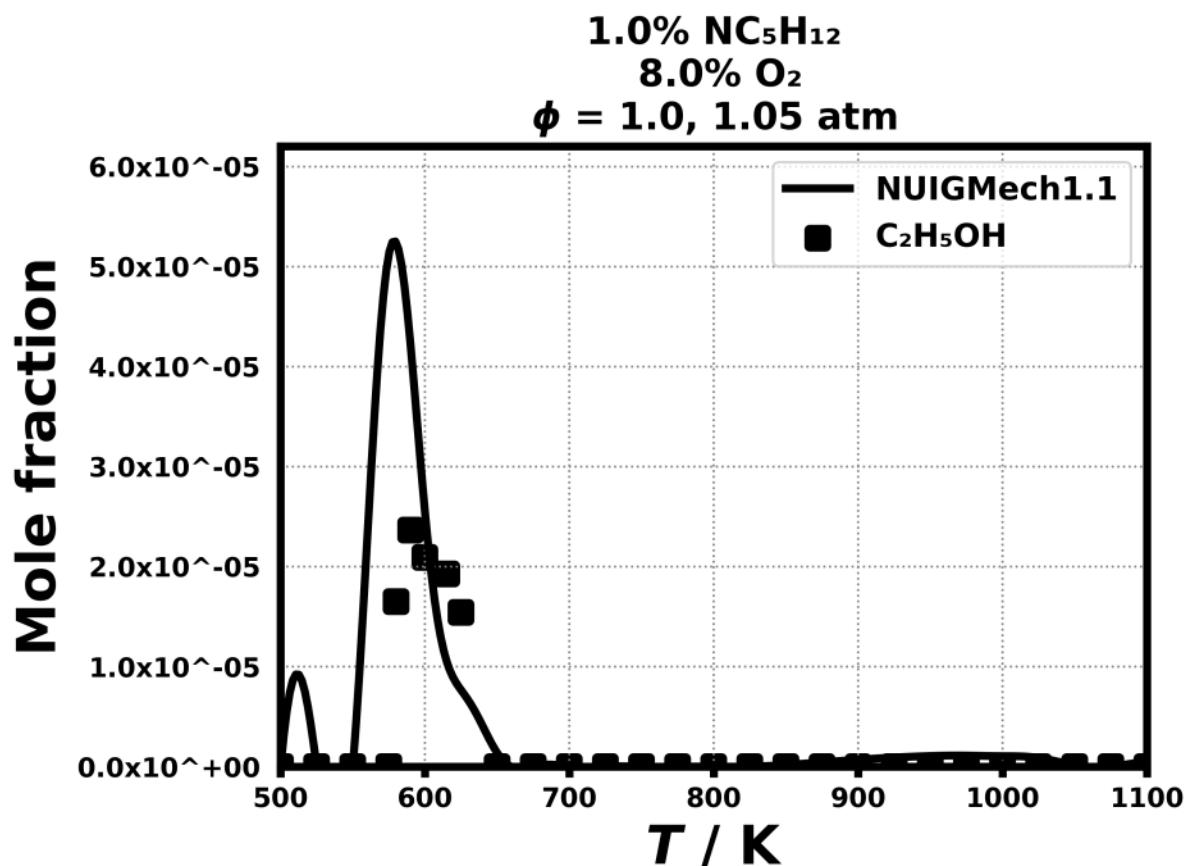


Figure 79: Dataset: 1.05_ATM_PHI_1.0

1.3.50 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

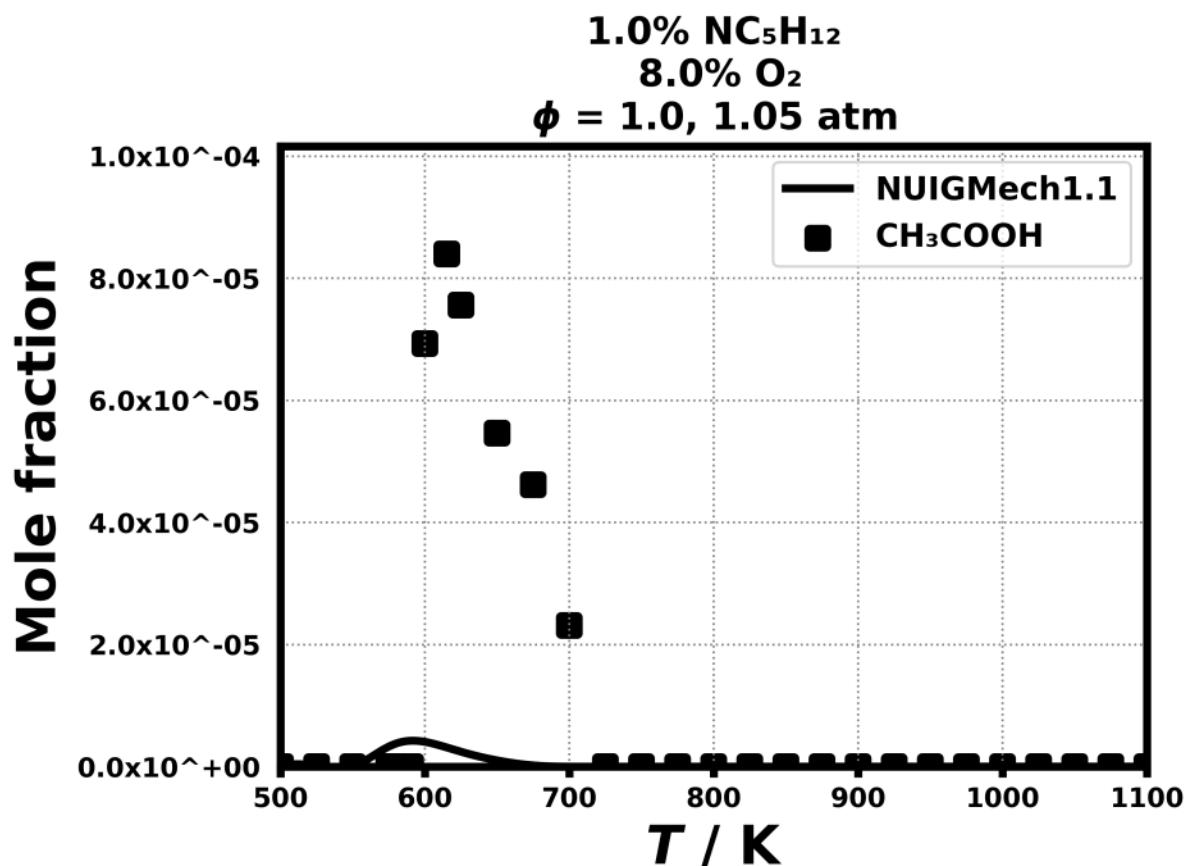


Figure 80: Dataset: 1.05_ATM_PHI_1.0

1.3.51 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

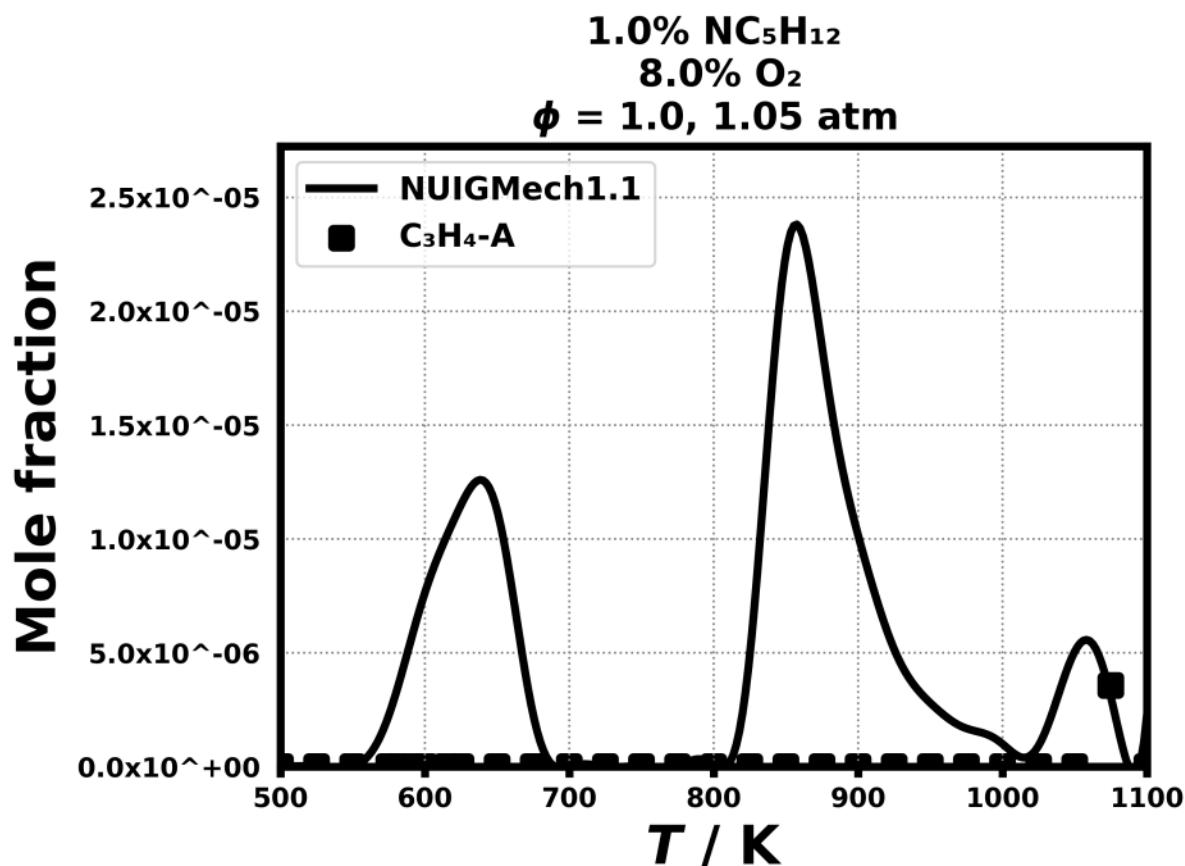


Figure 81: Dataset: 1.05_ATM_PHI_1.0

1.3.52 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

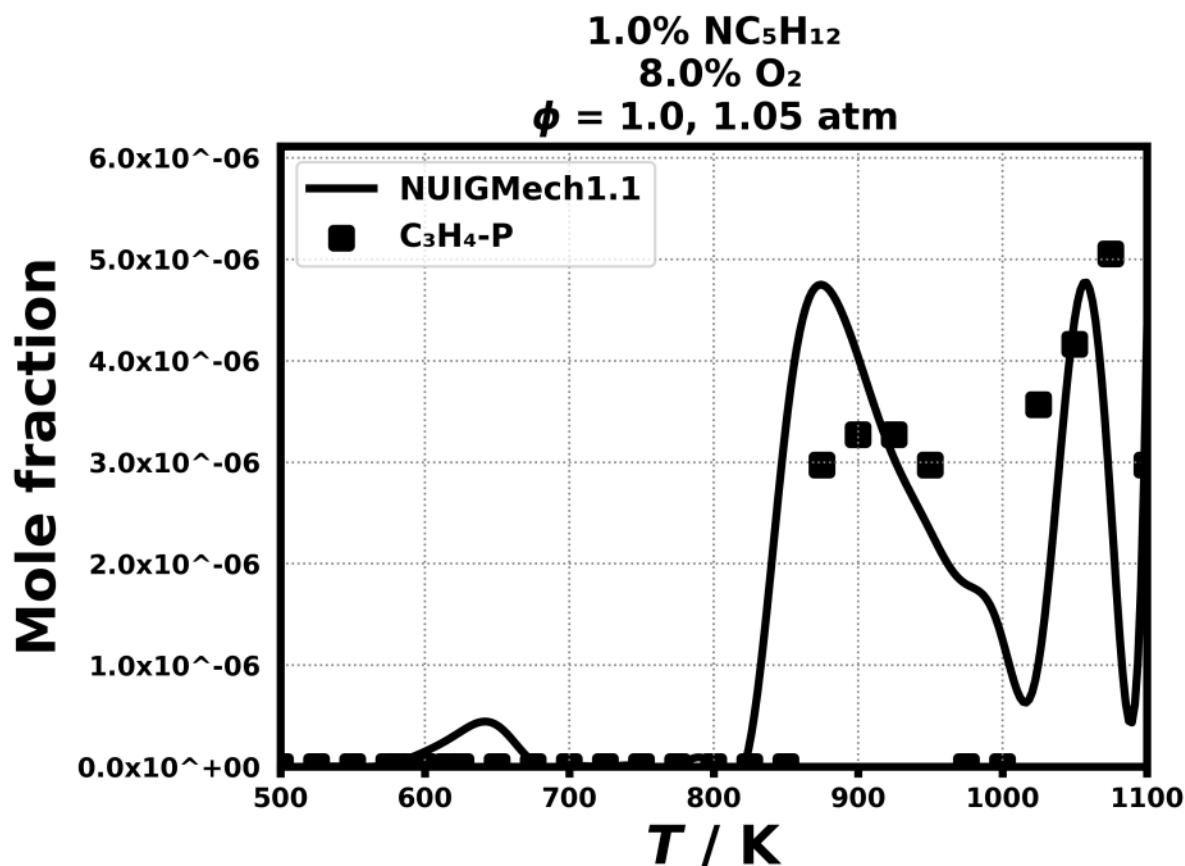


Figure 82: Dataset: 1.05_ATM_PHI_1.0

1.3.53 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

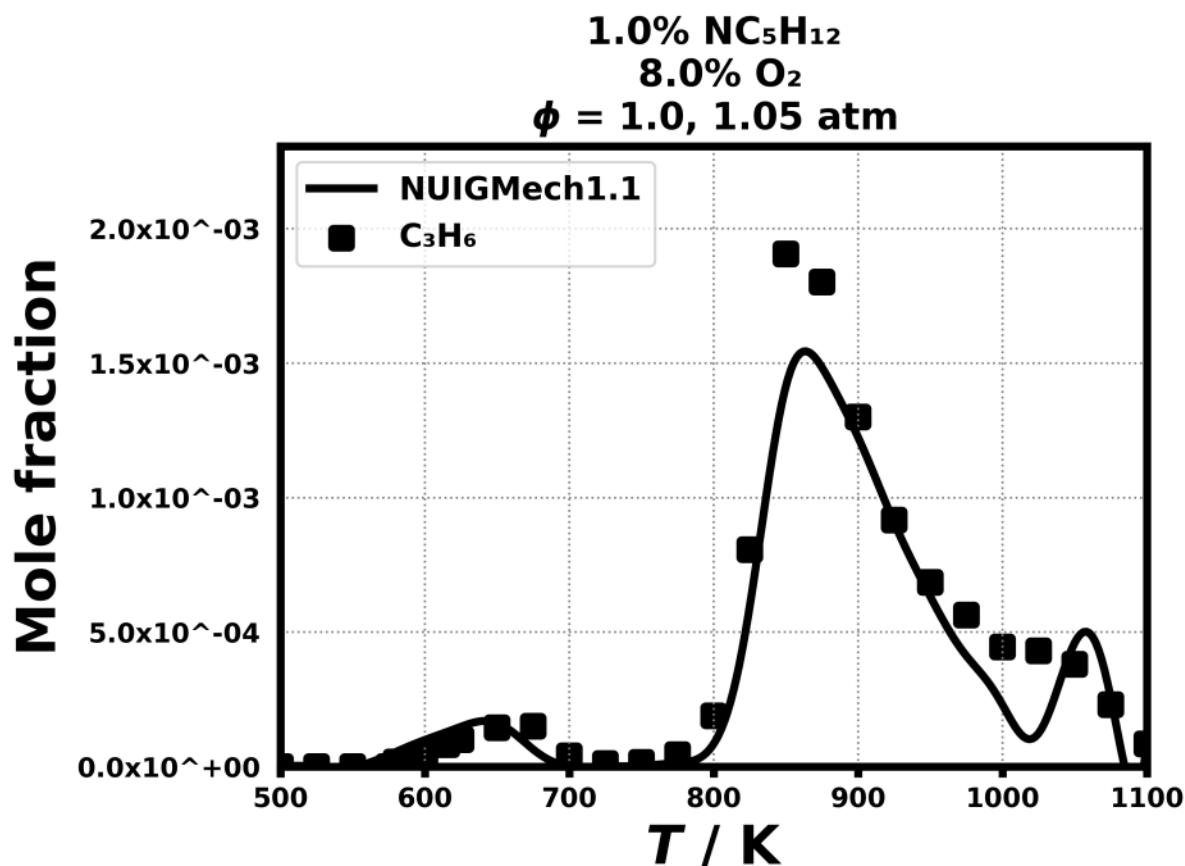


Figure 83: Dataset: 1.05_ATM_PHI_1.0

1.3.54 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

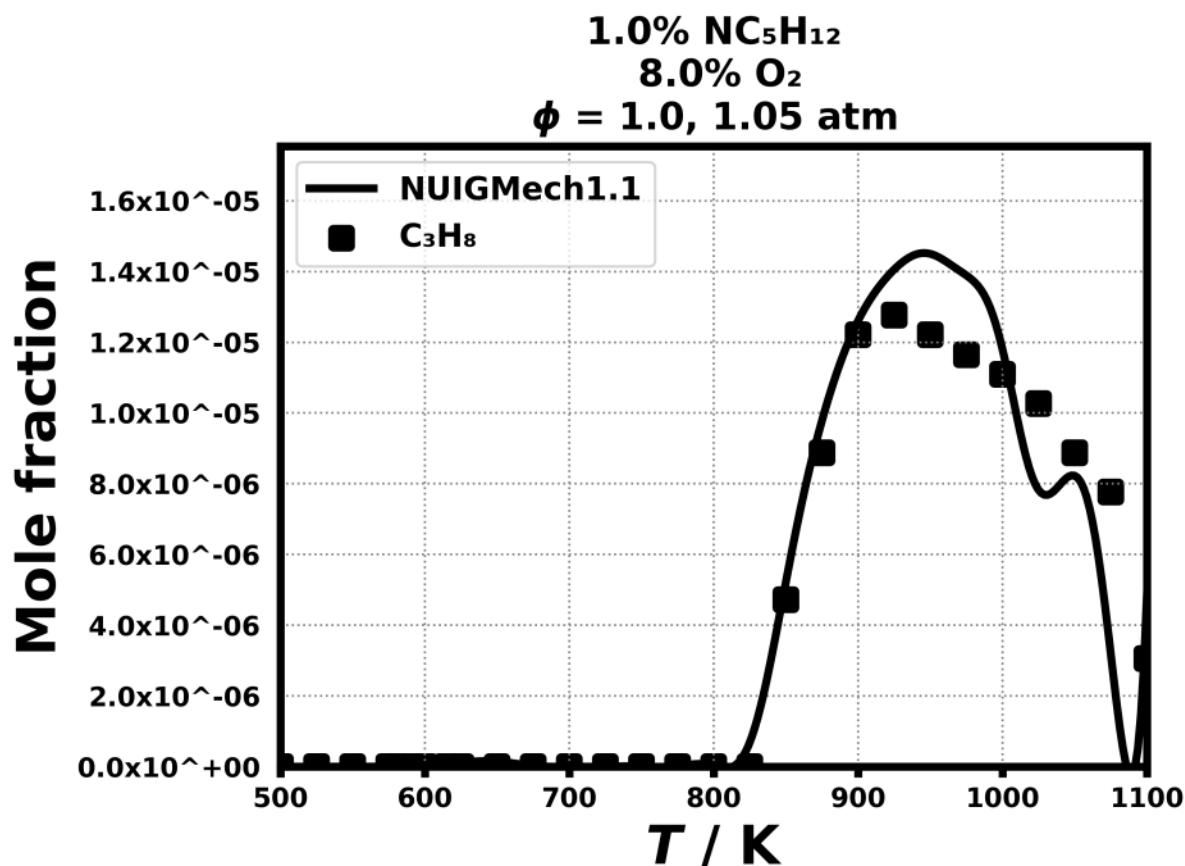


Figure 84: Dataset: 1.05_ATM_PHI_1.0

1.3.55 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

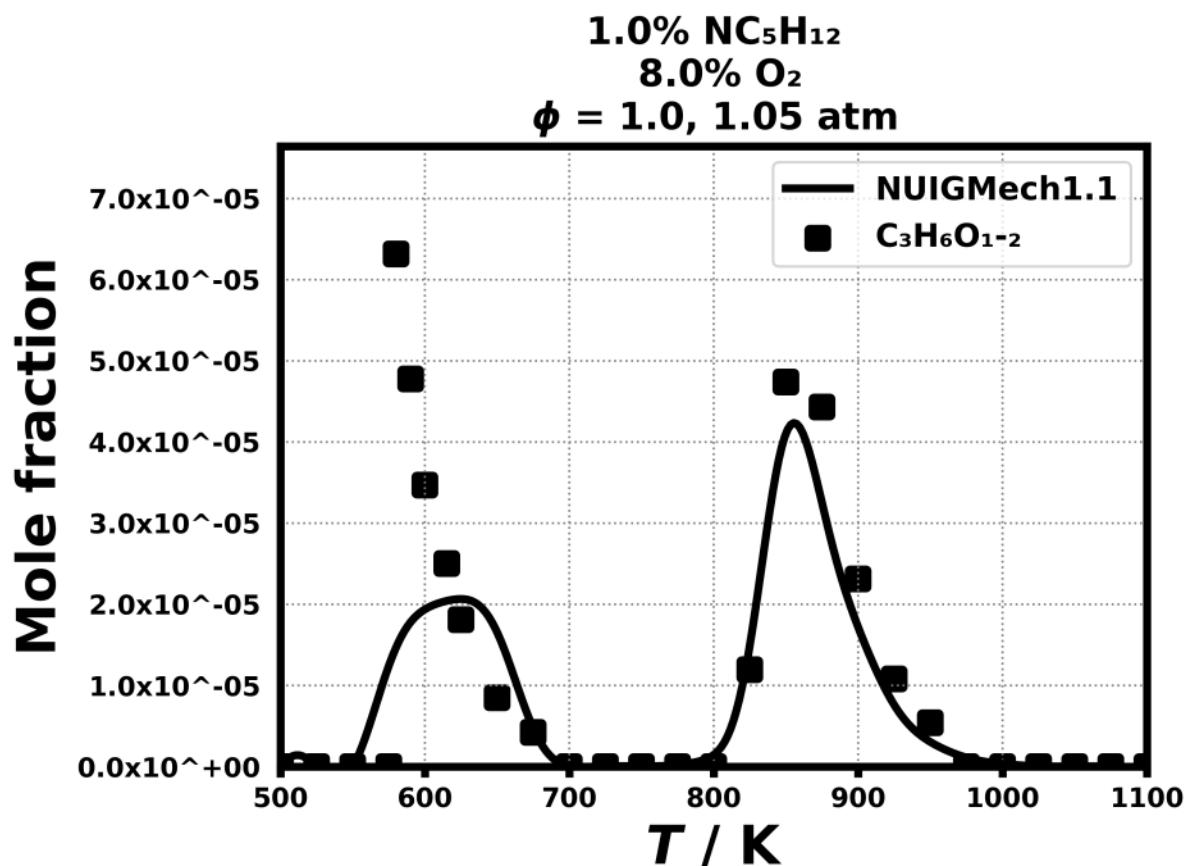


Figure 85: Dataset: 1.05_ATM_PHI_1.0

1.3.56 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

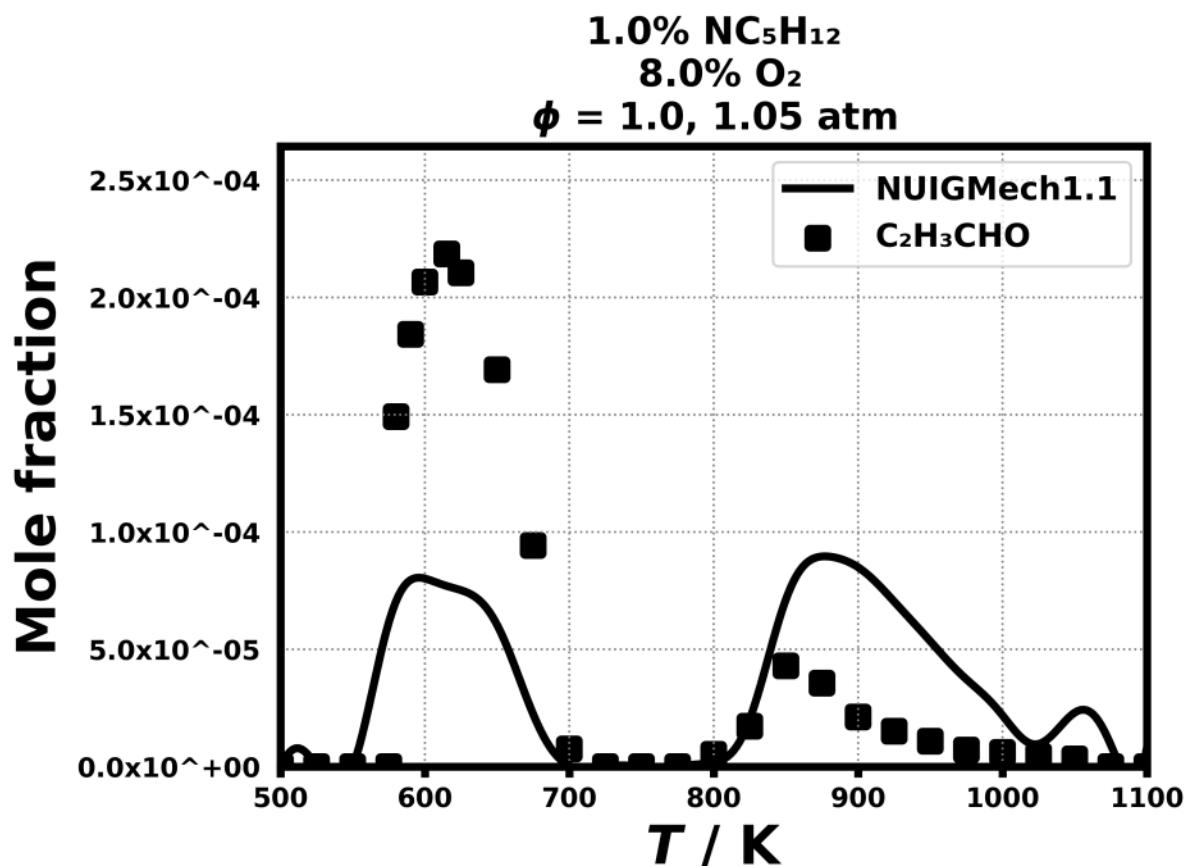


Figure 86: Dataset: 1.05_ATM_PHI_1.0

1.3.57 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

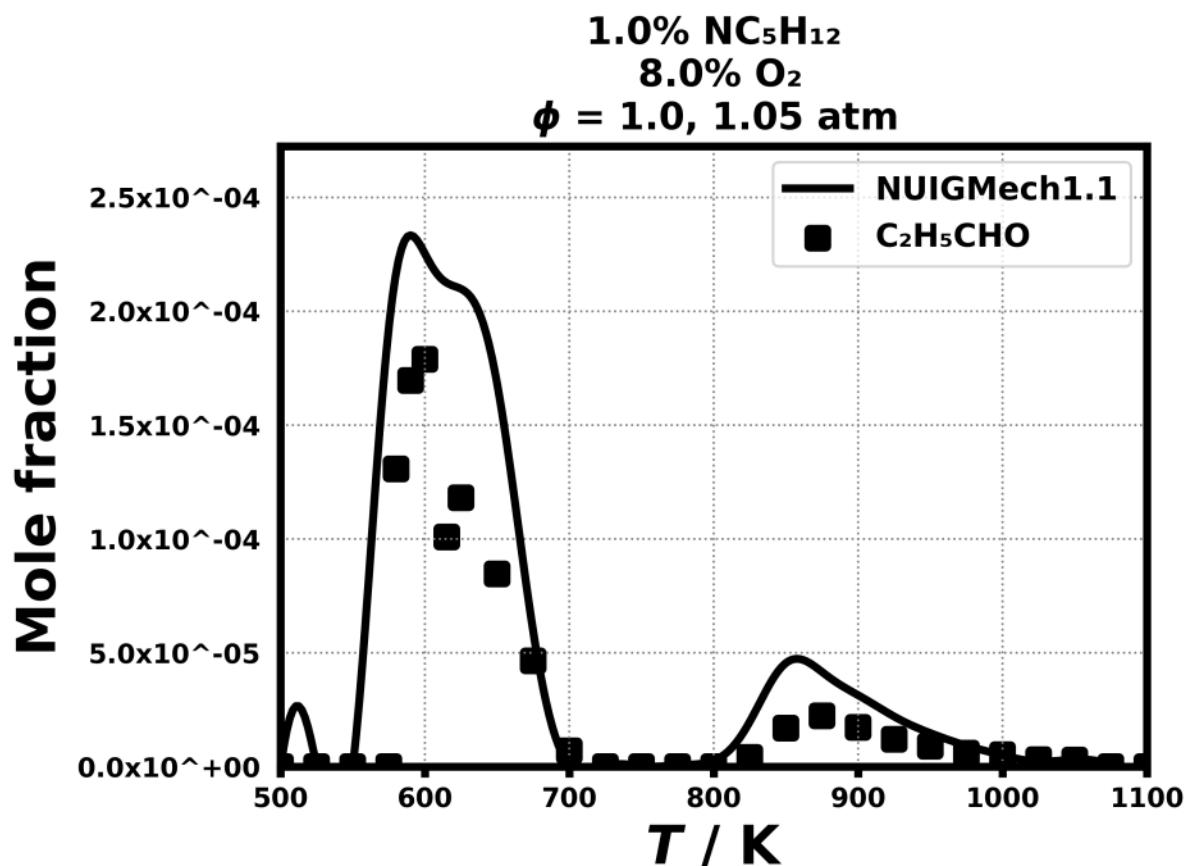


Figure 87: Dataset: 1.05_ATM_PHI_1.0

1.3.58 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

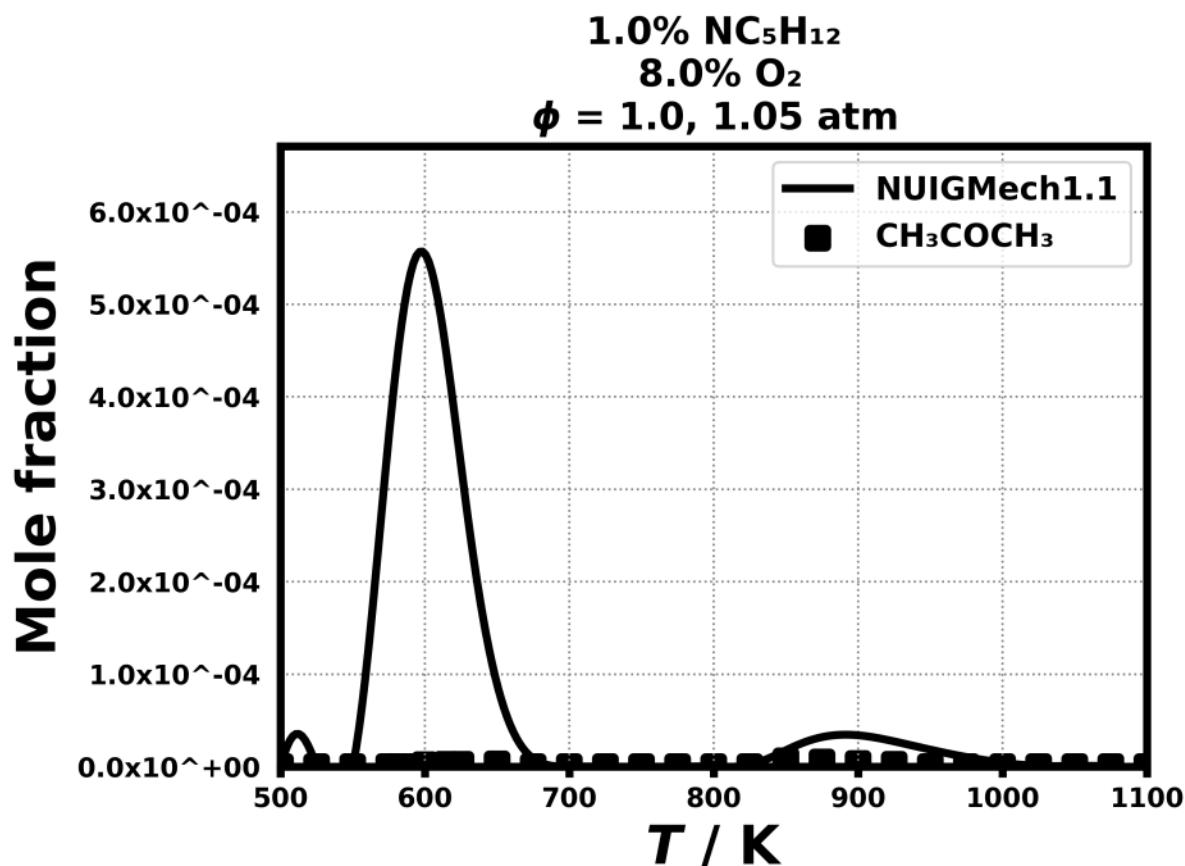


Figure 88: Dataset: 1.05_ATM_PHI_1.0

1.3.59 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

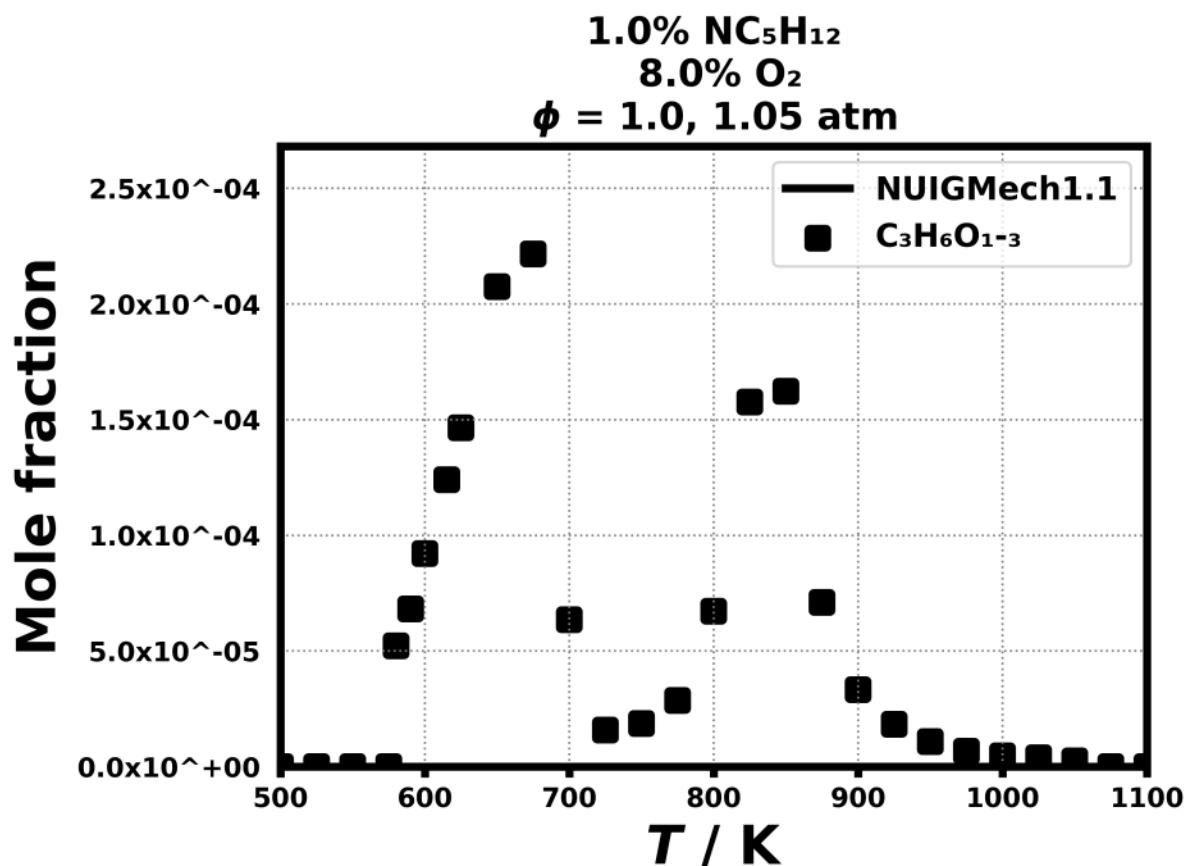


Figure 89: Dataset: 1.05_ATM_PHI_1.0

1.3.60 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

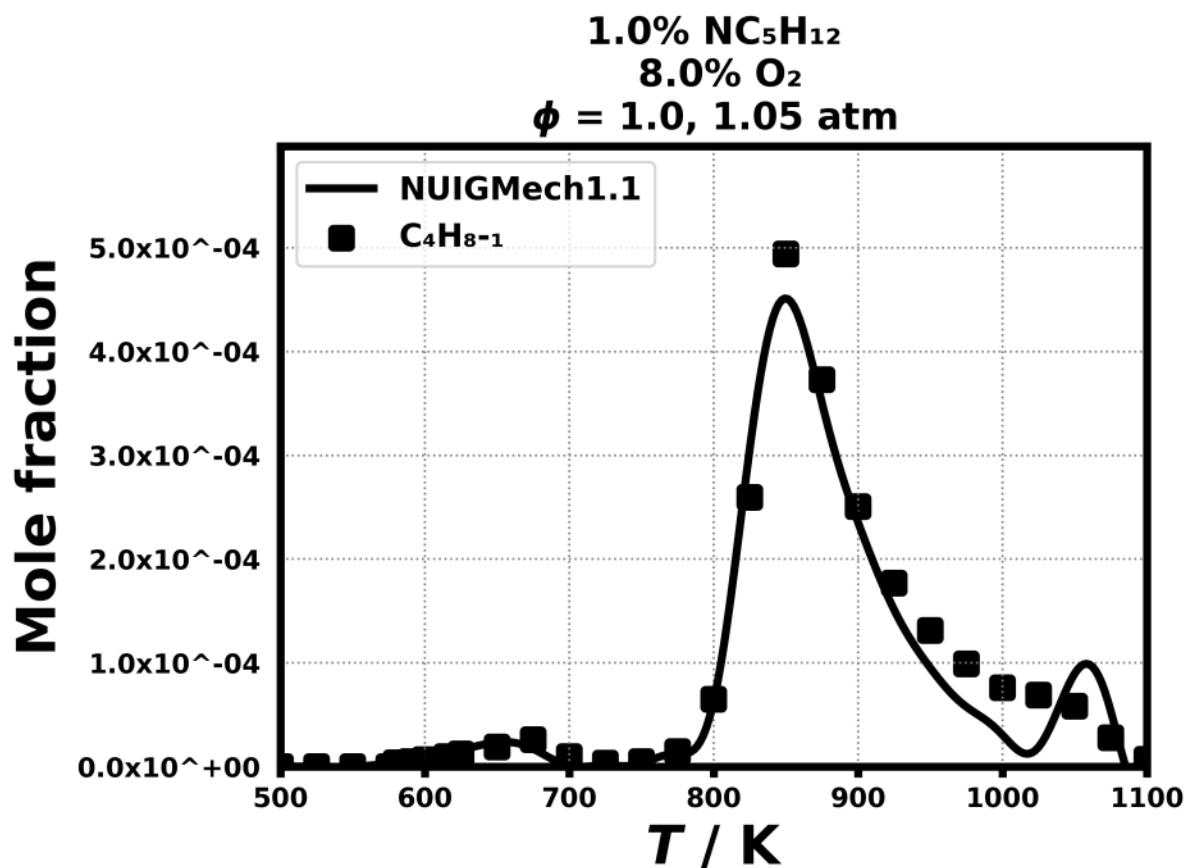


Figure 90: Dataset: 1.05_ATM_PHI_1.0

1.3.61 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

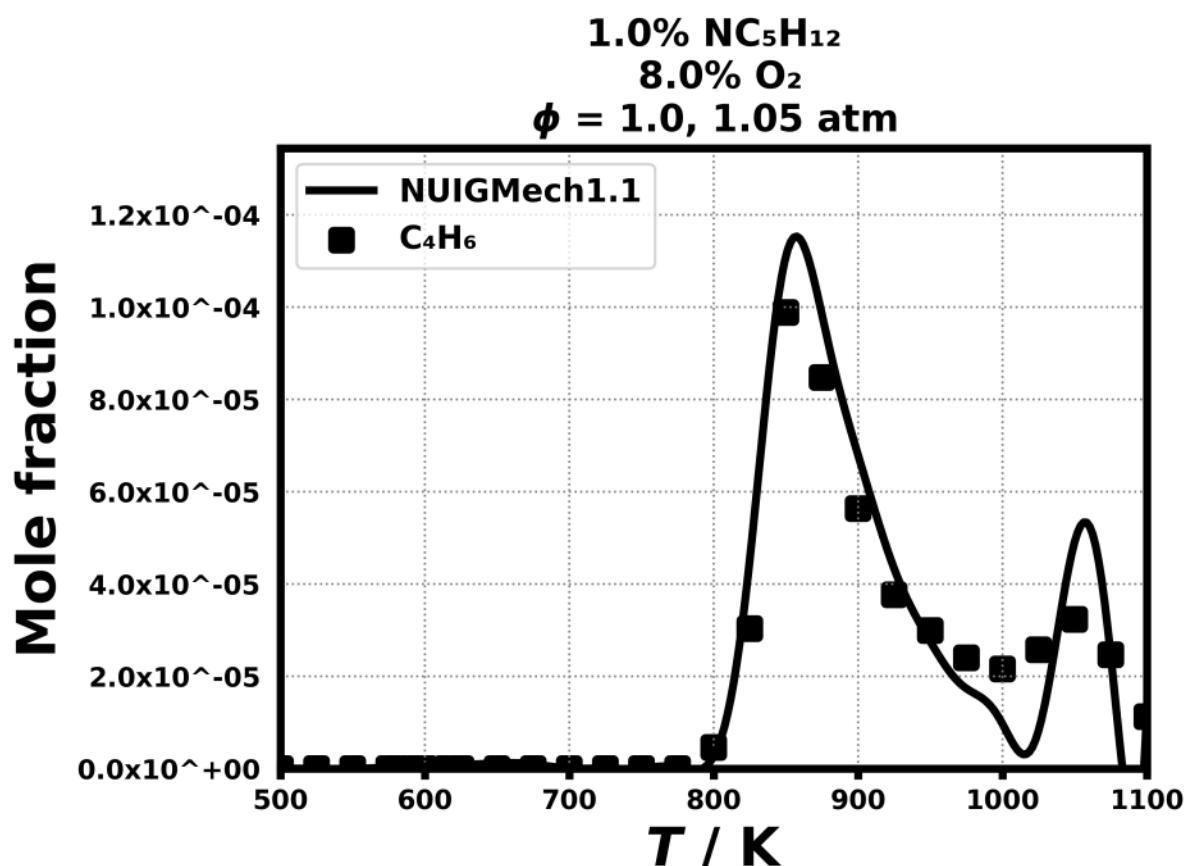


Figure 91: Dataset: 1.05_ATM_PHI_1.0

1.3.62 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

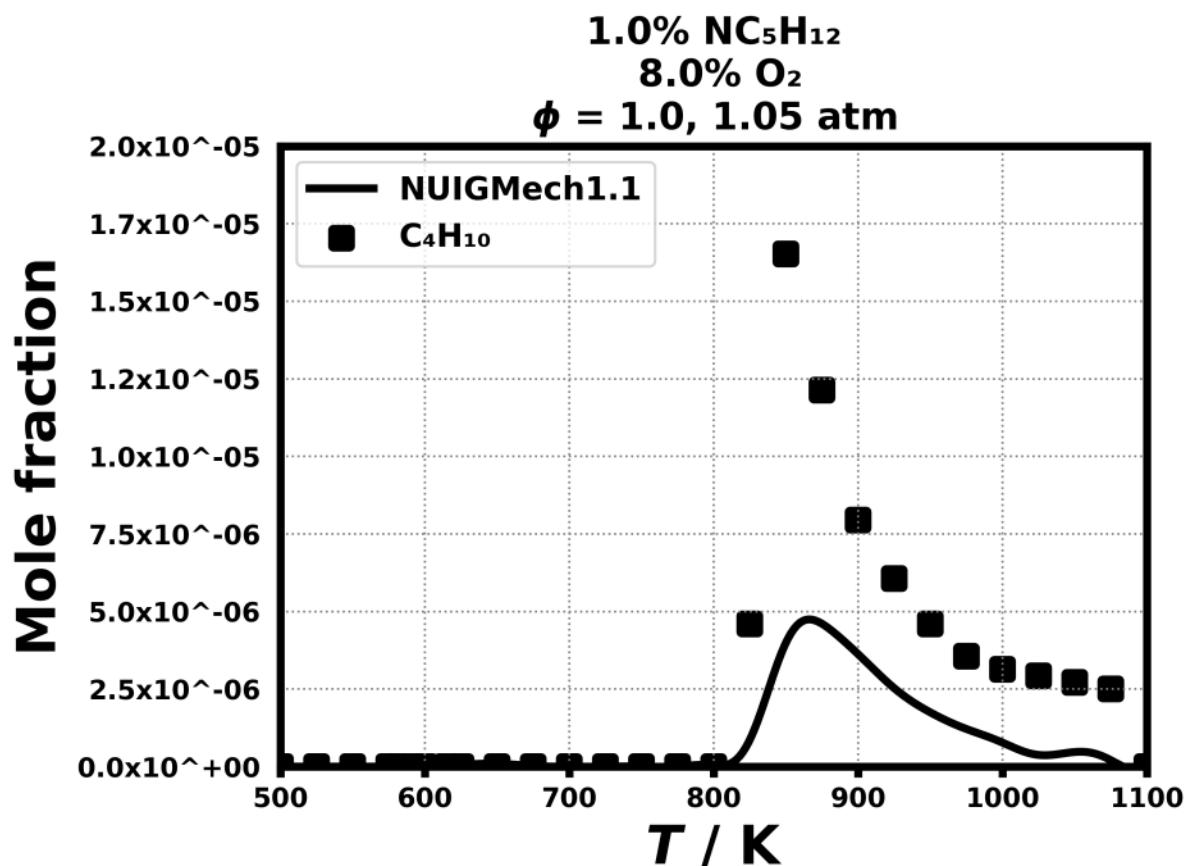


Figure 92: Dataset: 1.05_ATM_PHI_1.0

1.3.63 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

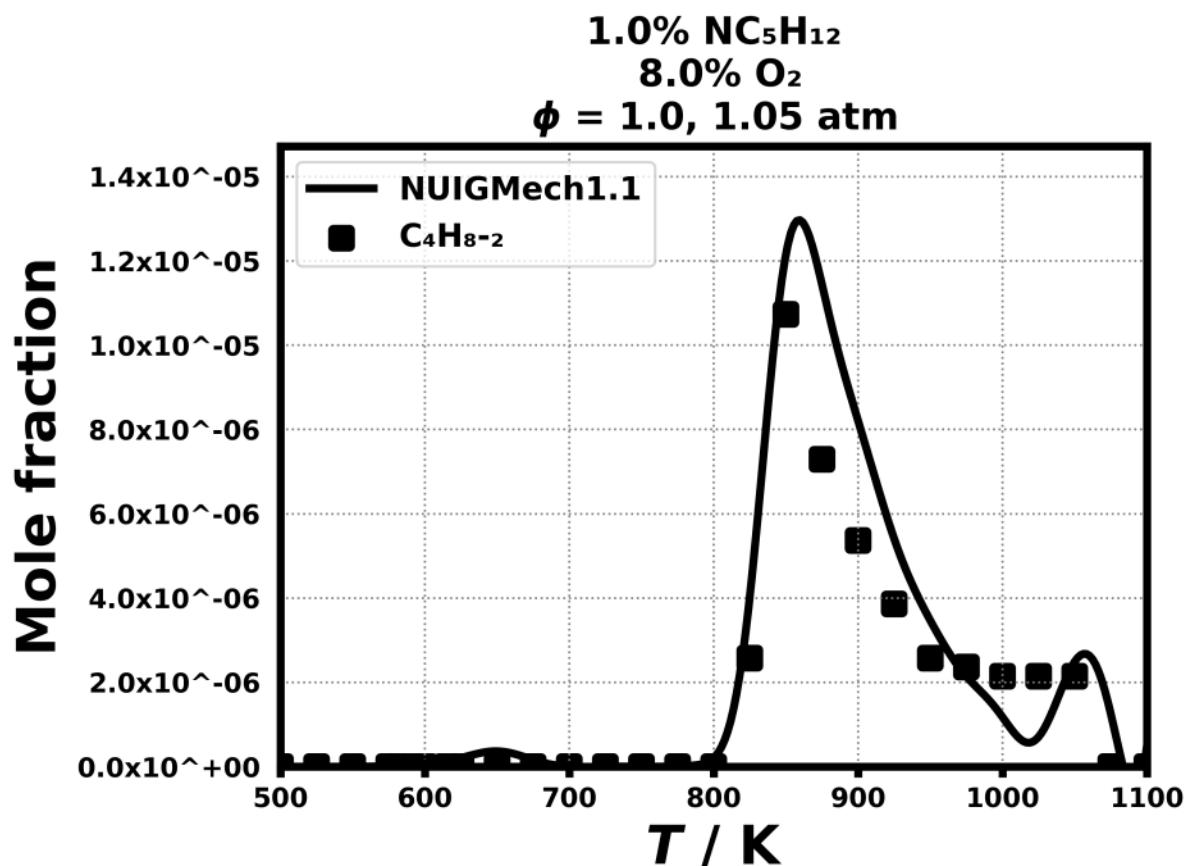


Figure 93: Dataset: 1.05_ATM_PHI_1.0

1.3.64 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_1.0

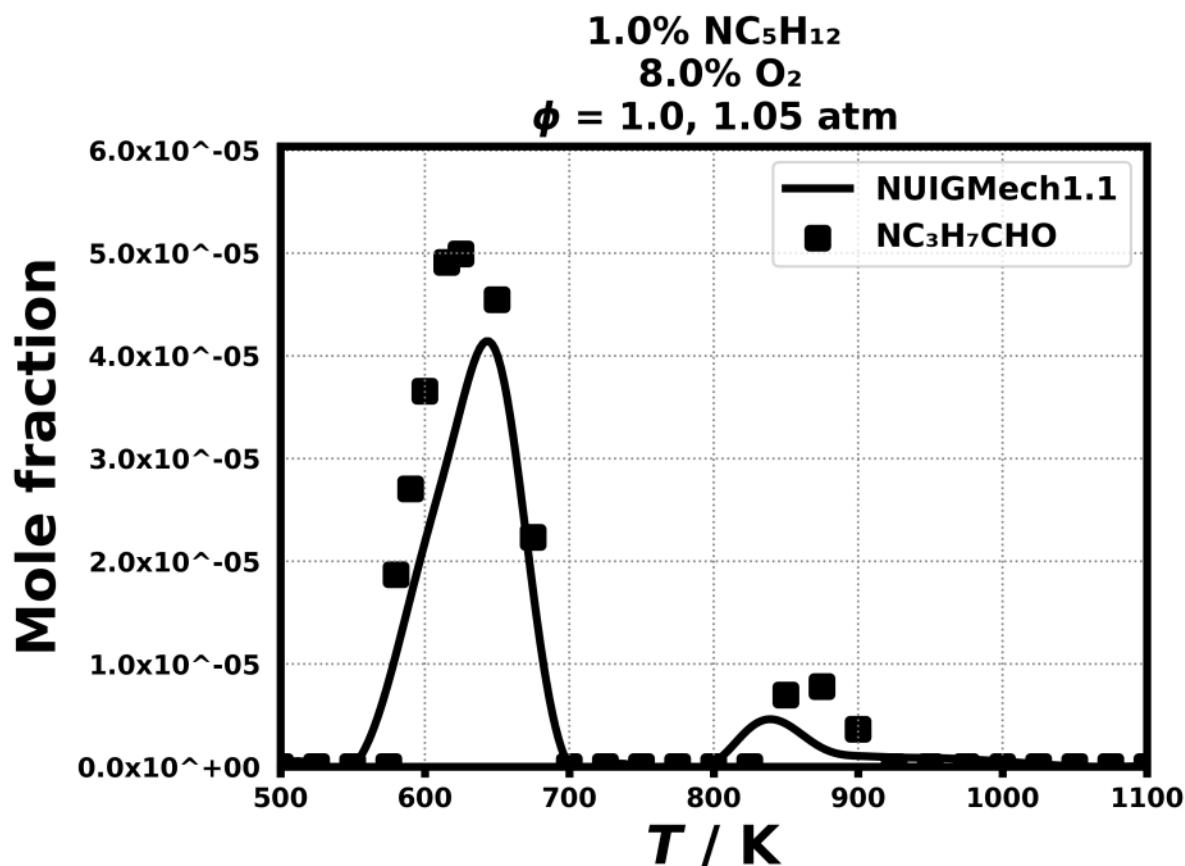


Figure 94: Dataset: 1.05_ATM_PHI_1.0

1.3.65 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

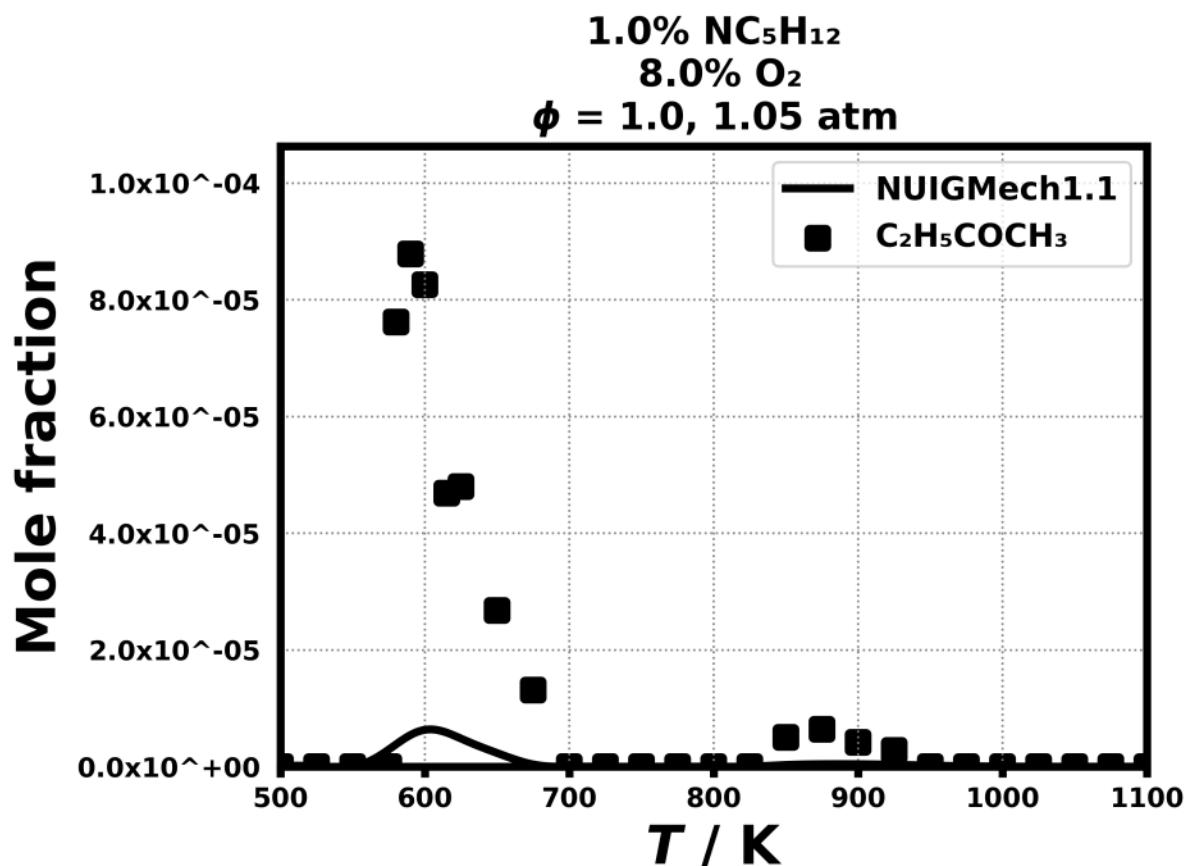


Figure 95: Dataset: 1.05_ATM_PHI_1.0

1.3.66 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

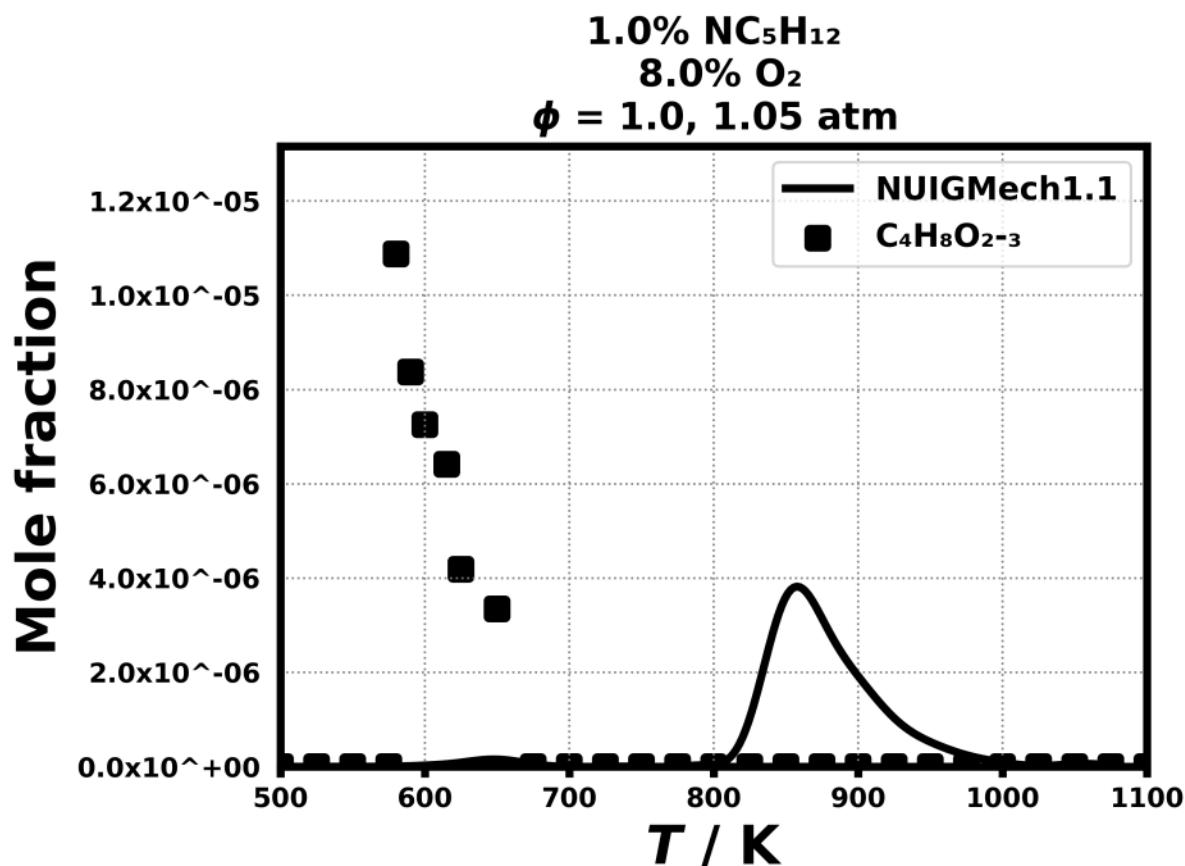


Figure 96: Dataset: 1.05_ATM_PHI_1.0

1.3.67 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

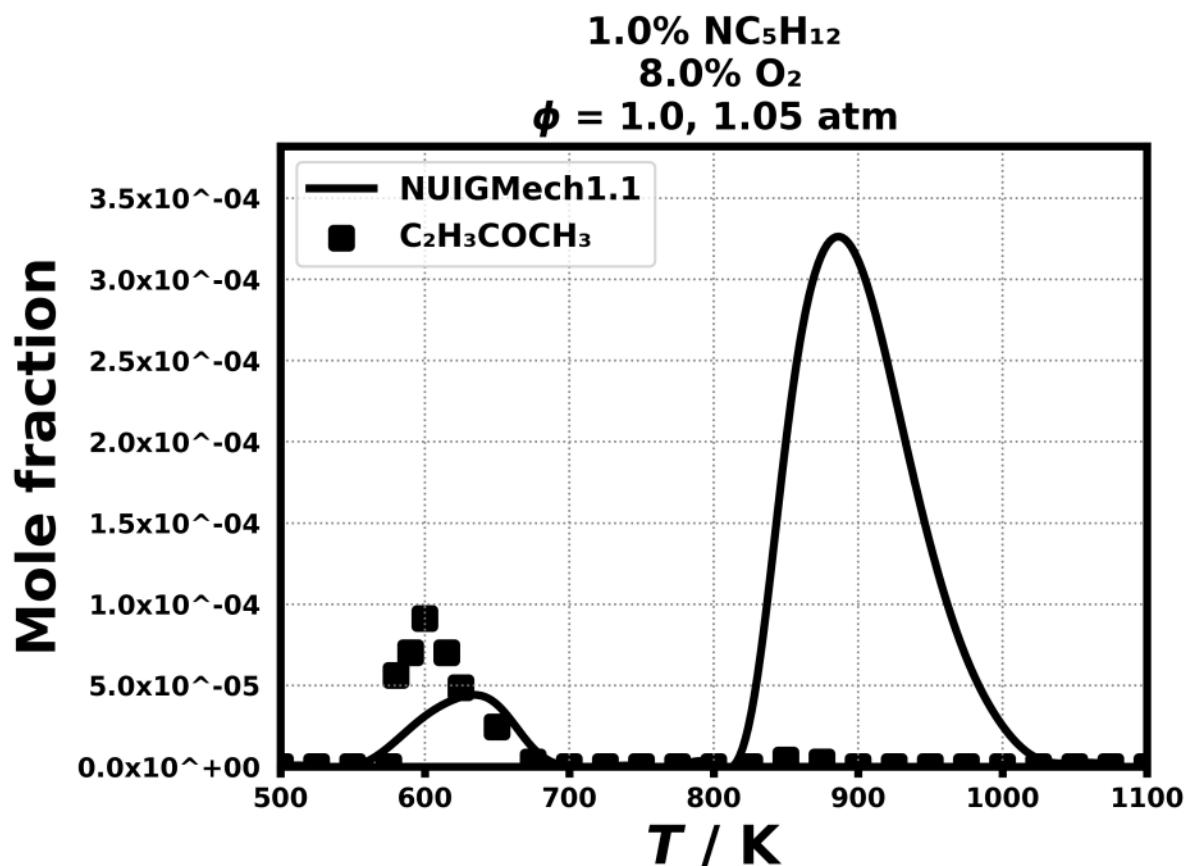


Figure 97: Dataset: 1.05_ATM_PHI_1.0

1.3.68 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

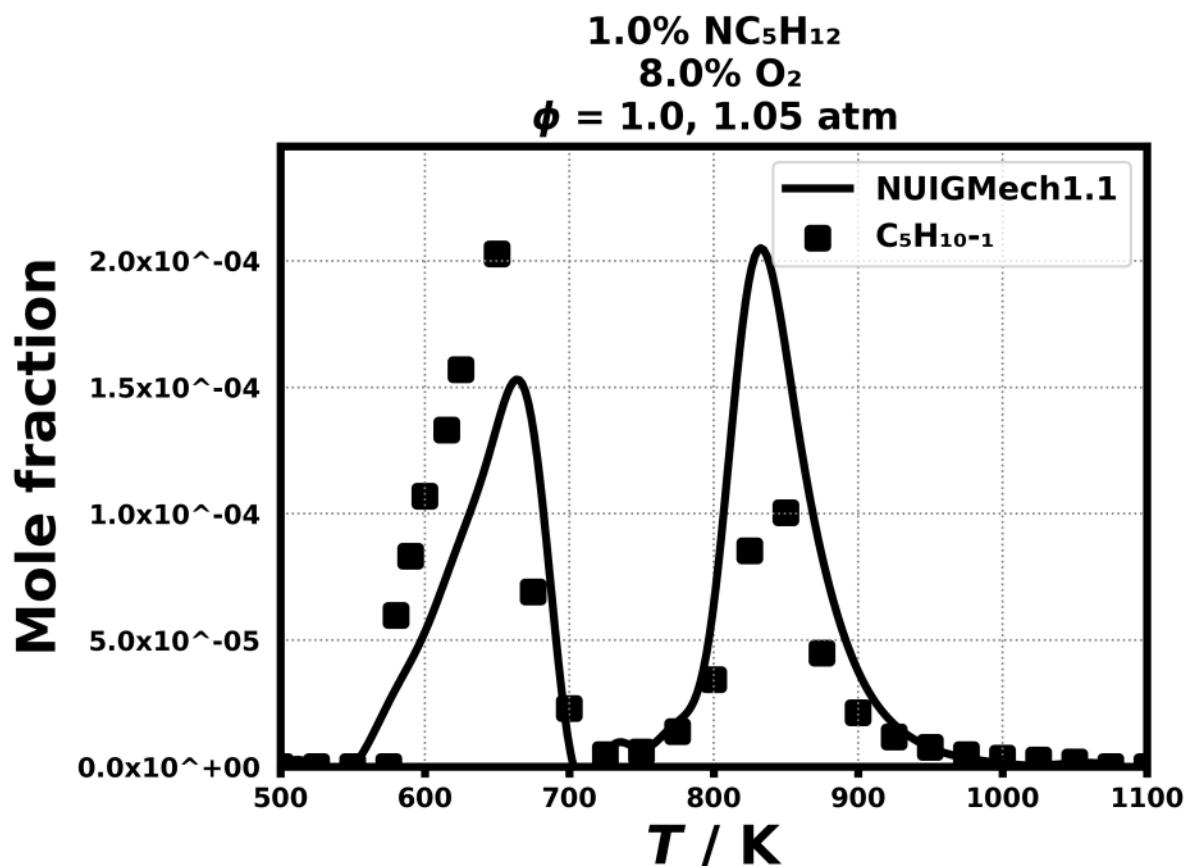


Figure 98: Dataset: 1.05_ATM_PHI_1.0

1.3.69 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

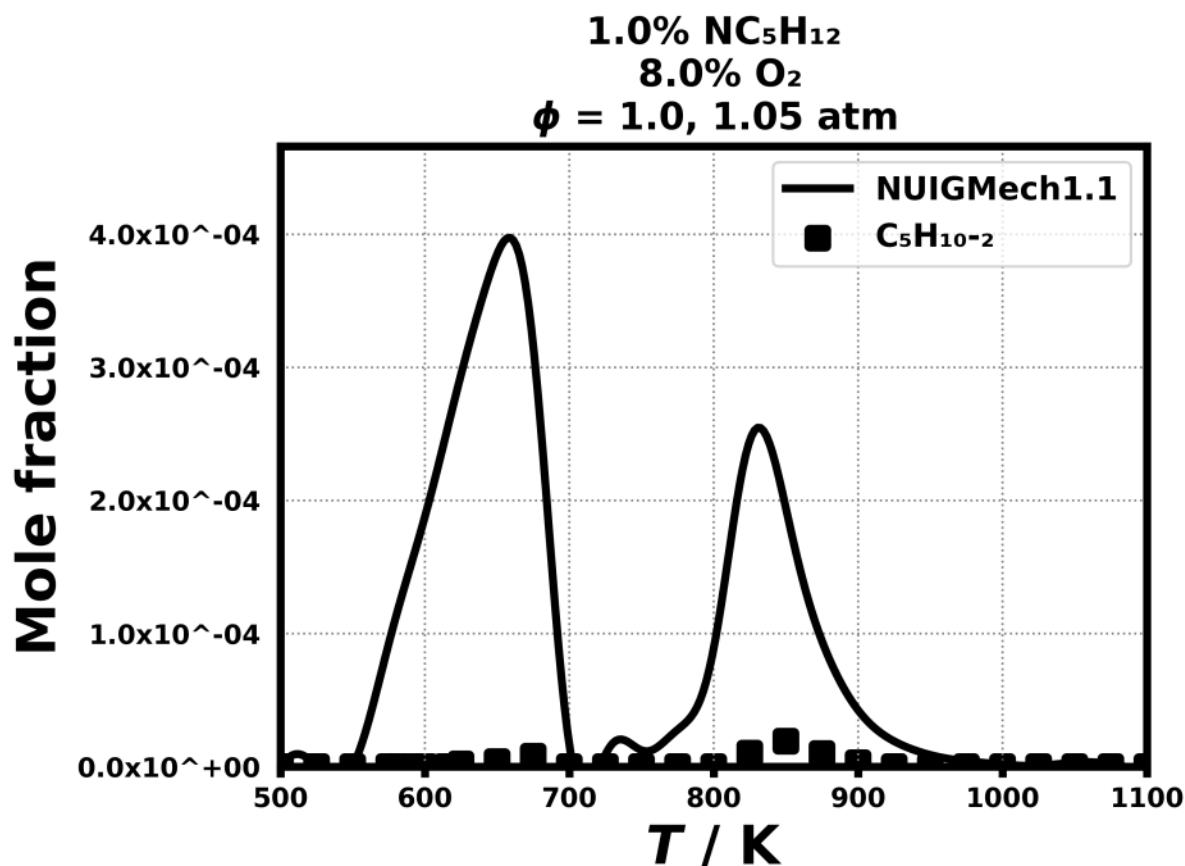


Figure 99: Dataset: 1.05_ATM_PHI_1.0

1.3.70 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

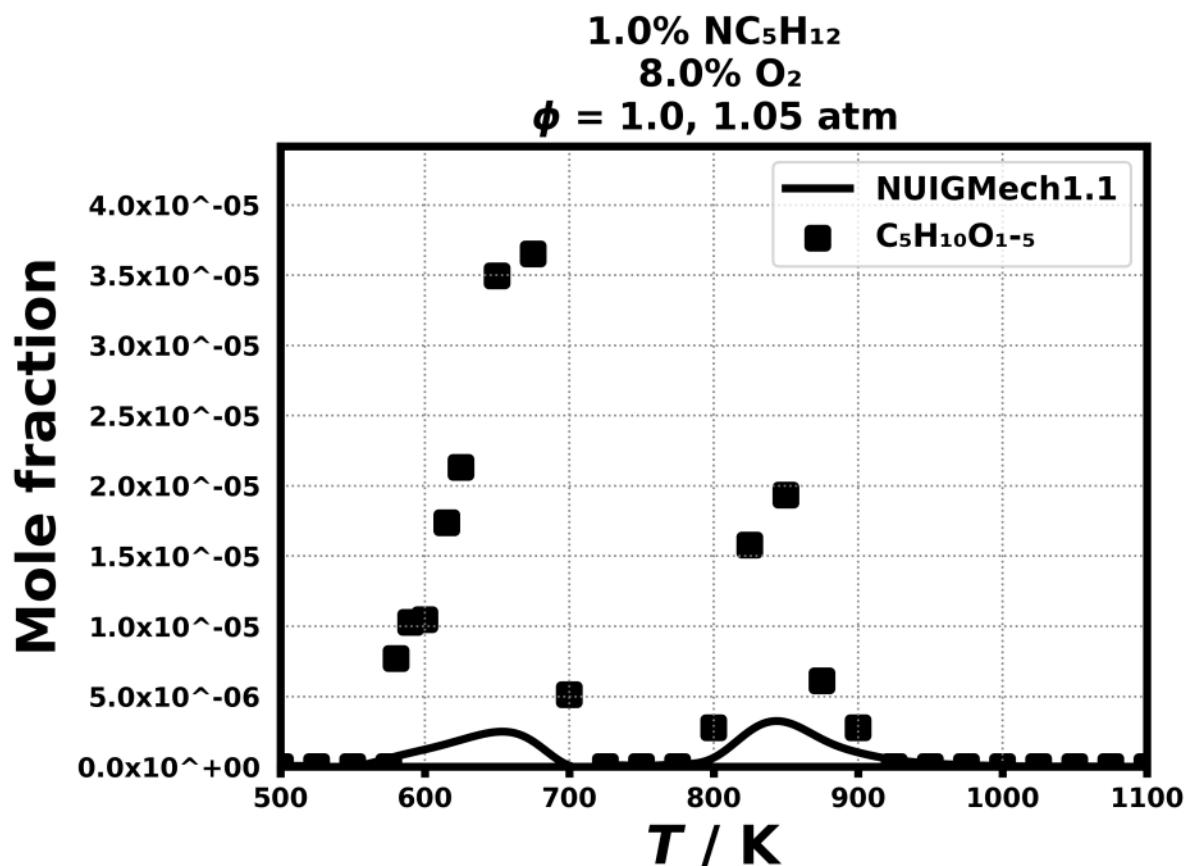


Figure 100: Dataset: 1.05_ATM_PHI_1.0

1.3.71 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_1.0

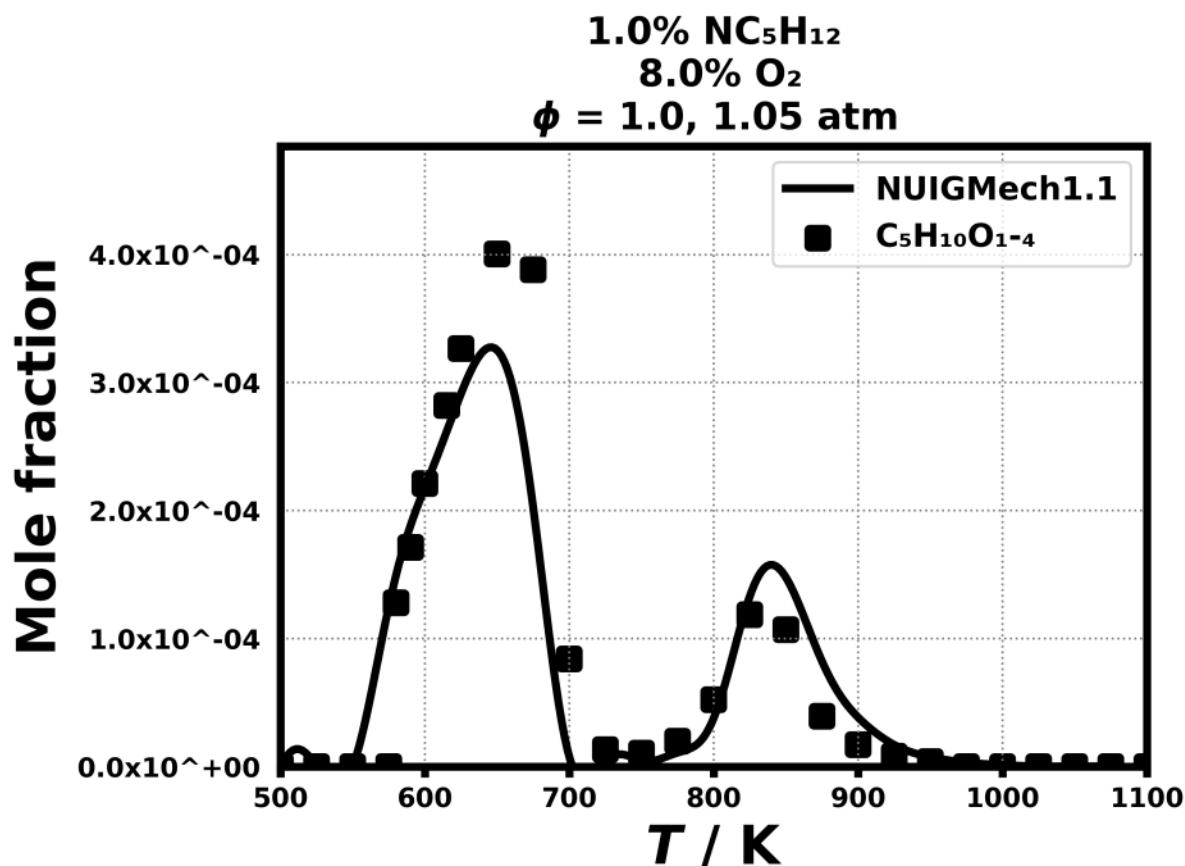


Figure 101: Dataset: 1.05_ATM_PHI_1.0

1.3.72 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

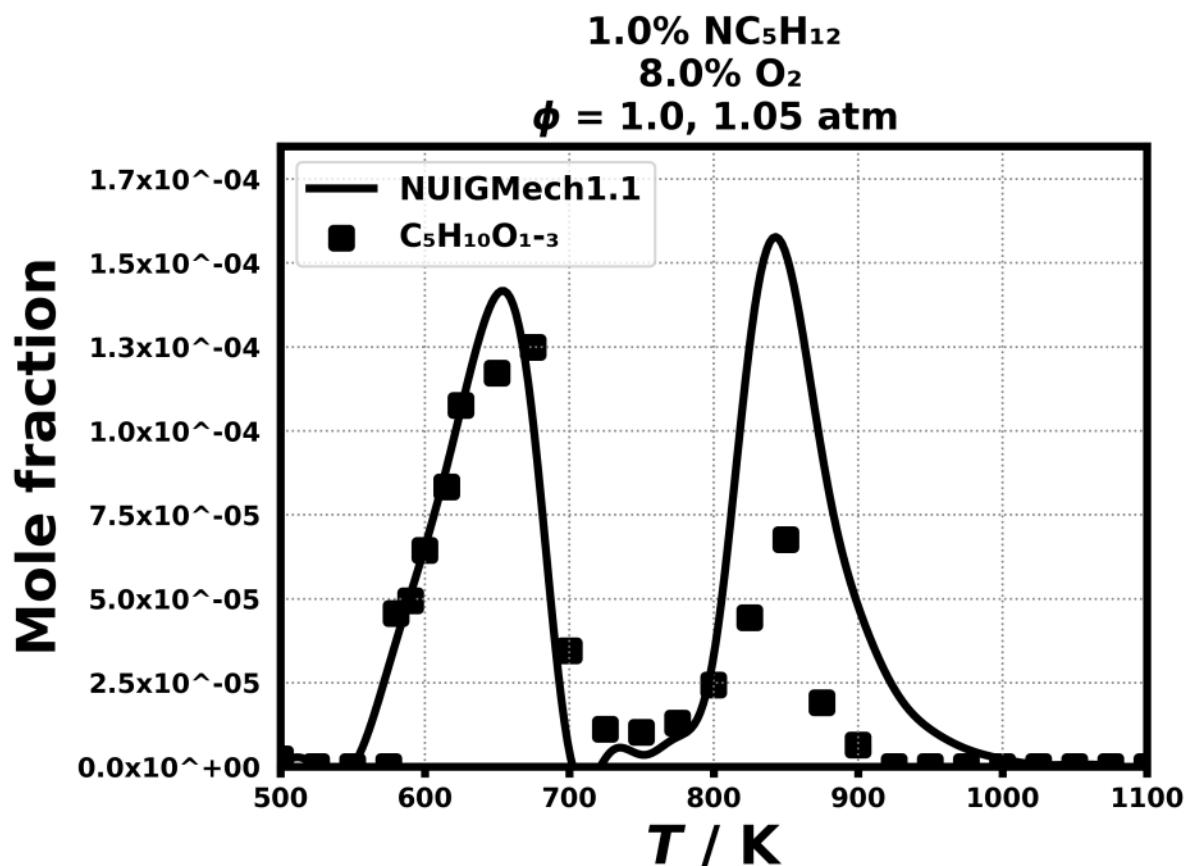


Figure 102: Dataset: 1.05_ATM_PHI_1.0

1.3.73 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

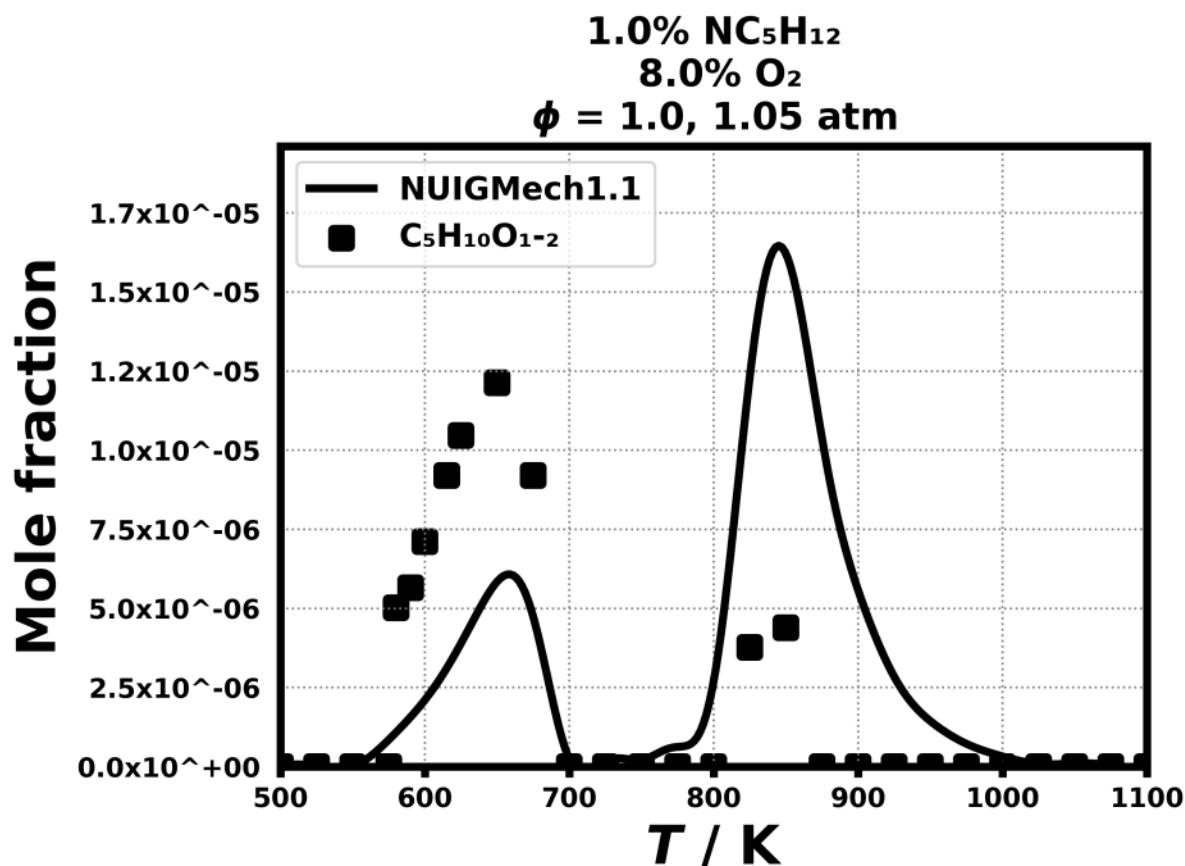


Figure 103: Dataset: 1.05_ATM_PHL_1.0

1.3.74 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

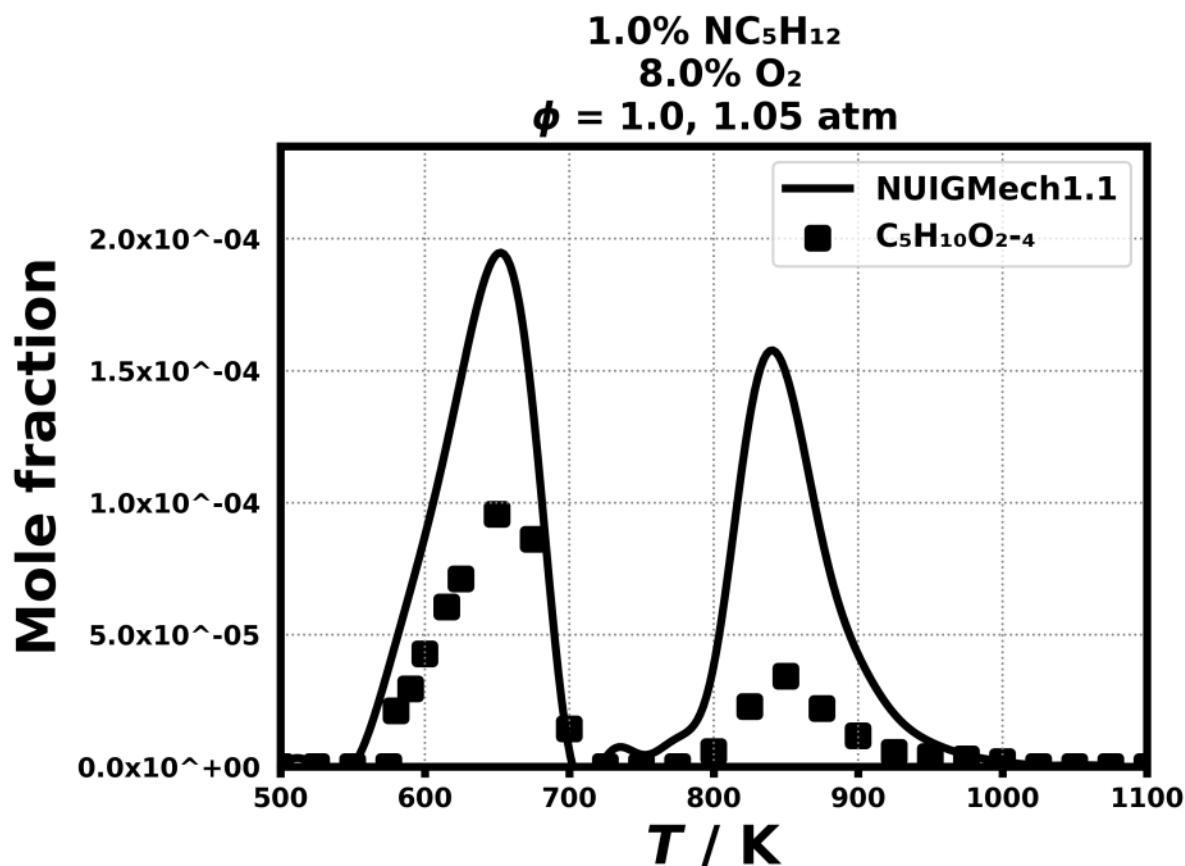


Figure 104: Dataset: 1.05_ATM_PHI_1.0

1.3.75 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_1.0

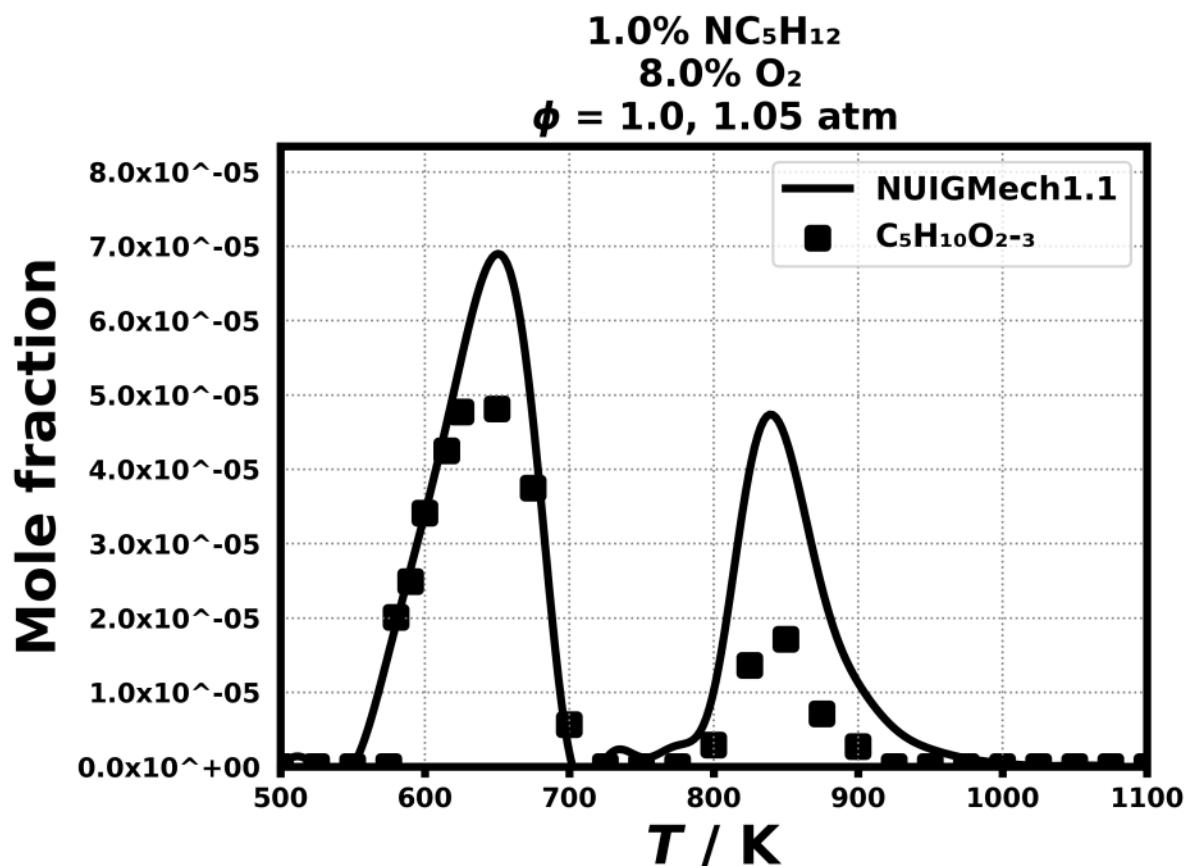


Figure 105: Dataset: 1.05_ATM_PHI_1.0

1.3.77 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

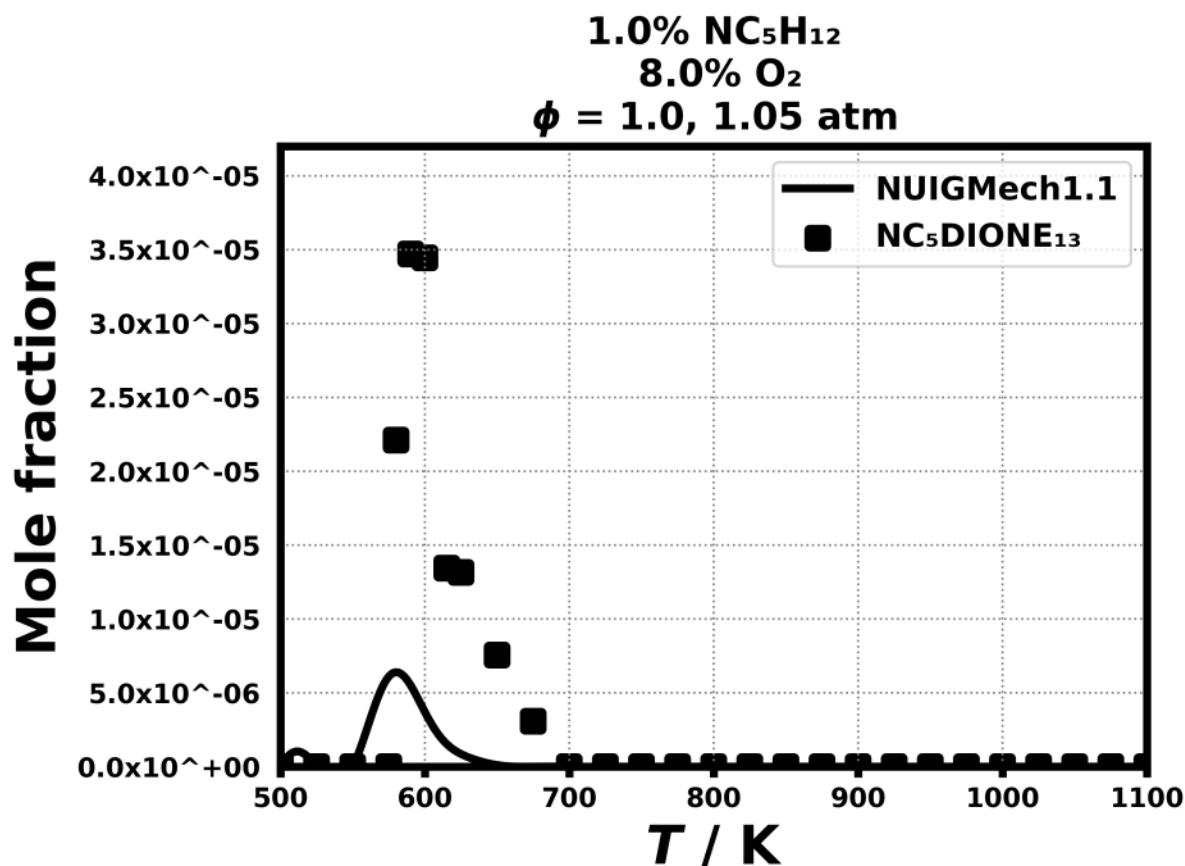


Figure 107: Dataset: 1.05_ATM_PHI_1.0

1.3.78 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_1.0

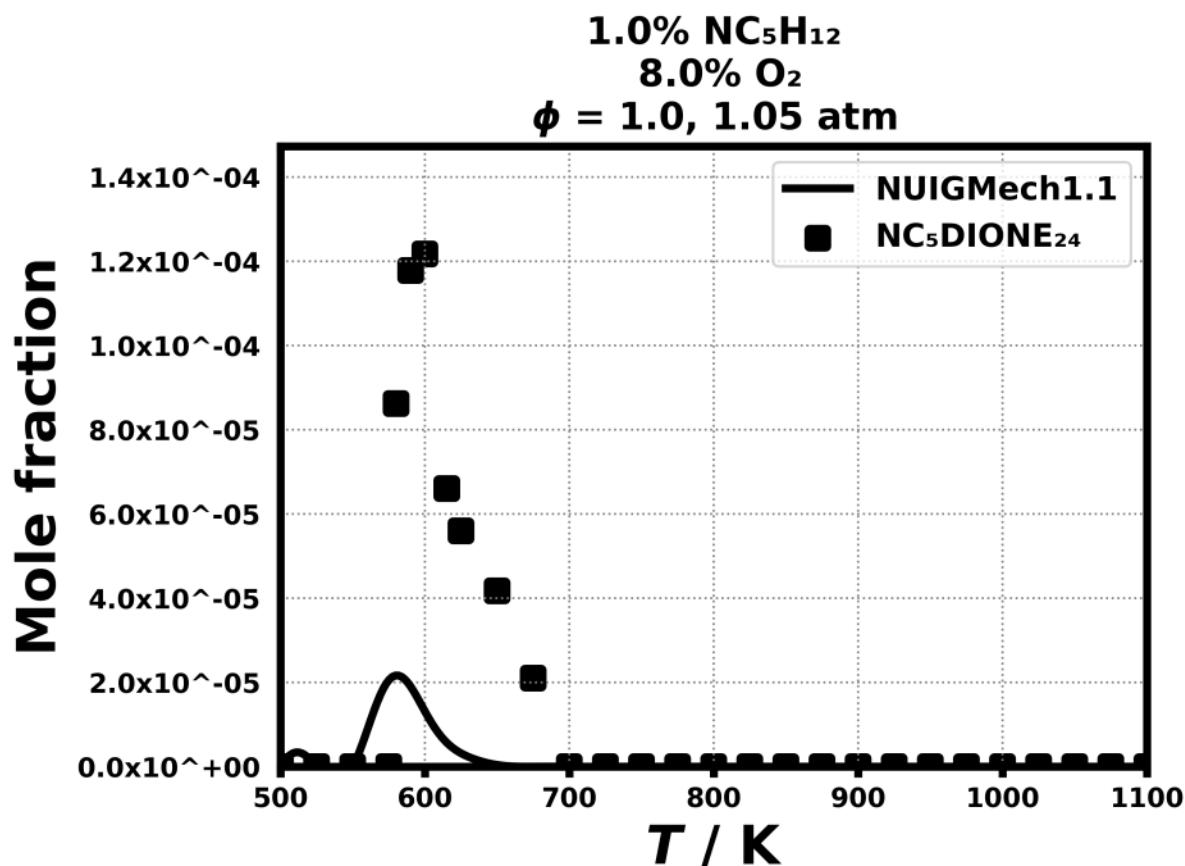


Figure 108: Dataset: 1.05_ATM_PHI_1.0

1.3.79 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

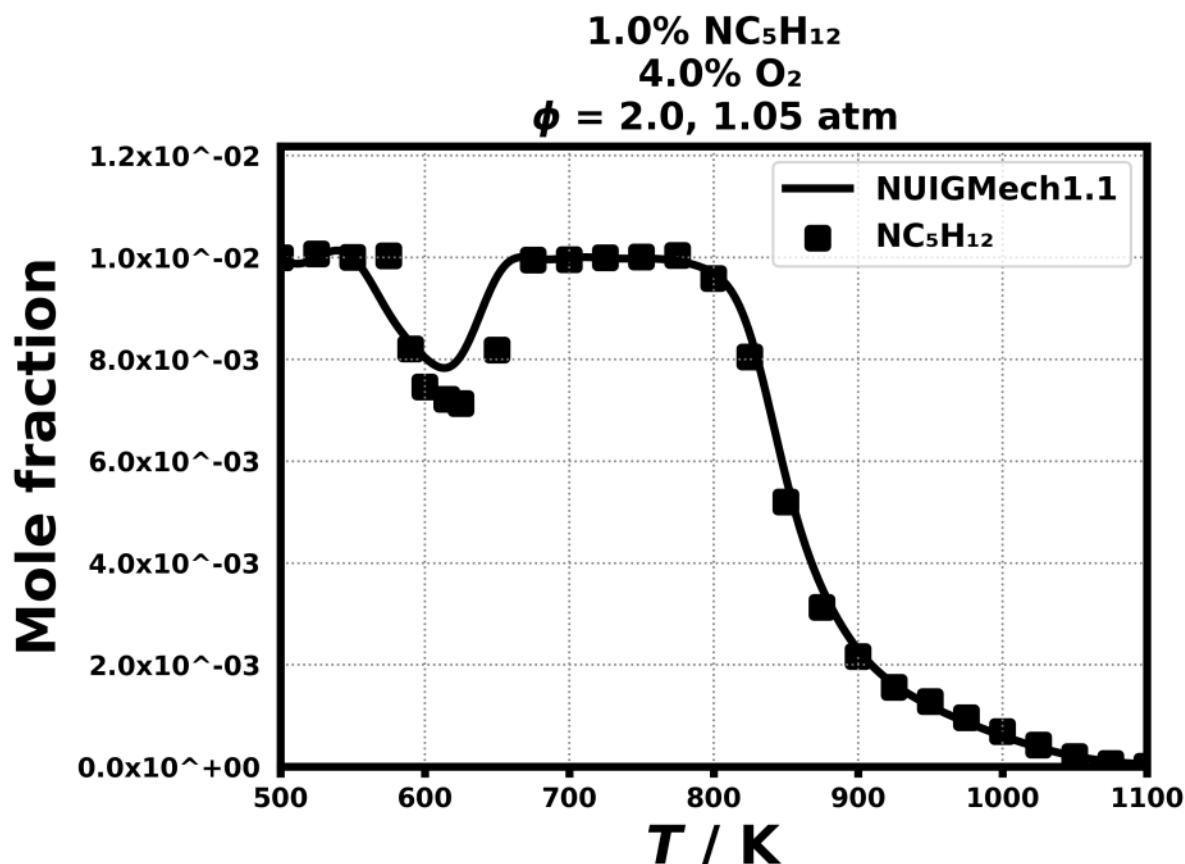


Figure 109: Dataset: 1.05_ATM_PHI_2.0

1.3.80 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

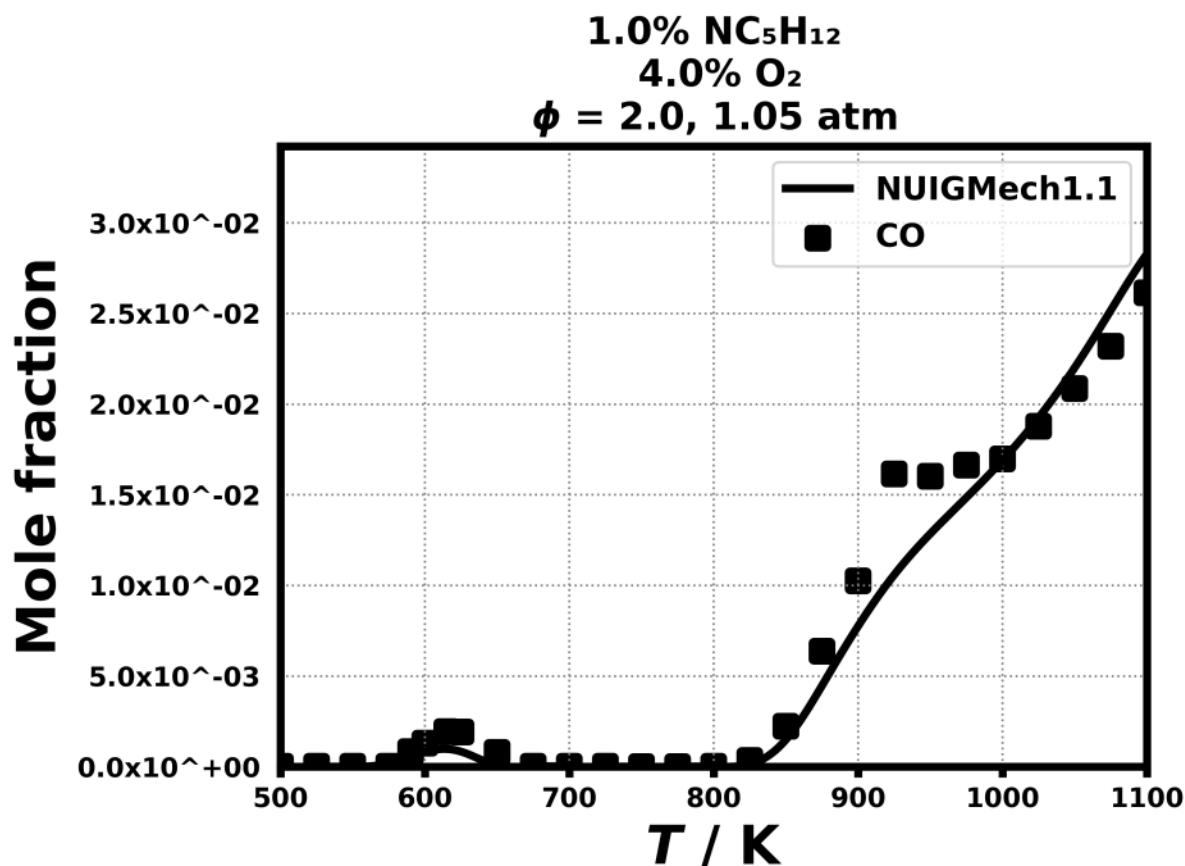


Figure 110: Dataset: 1.05_ATM_PHI_2.0

1.3.81 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

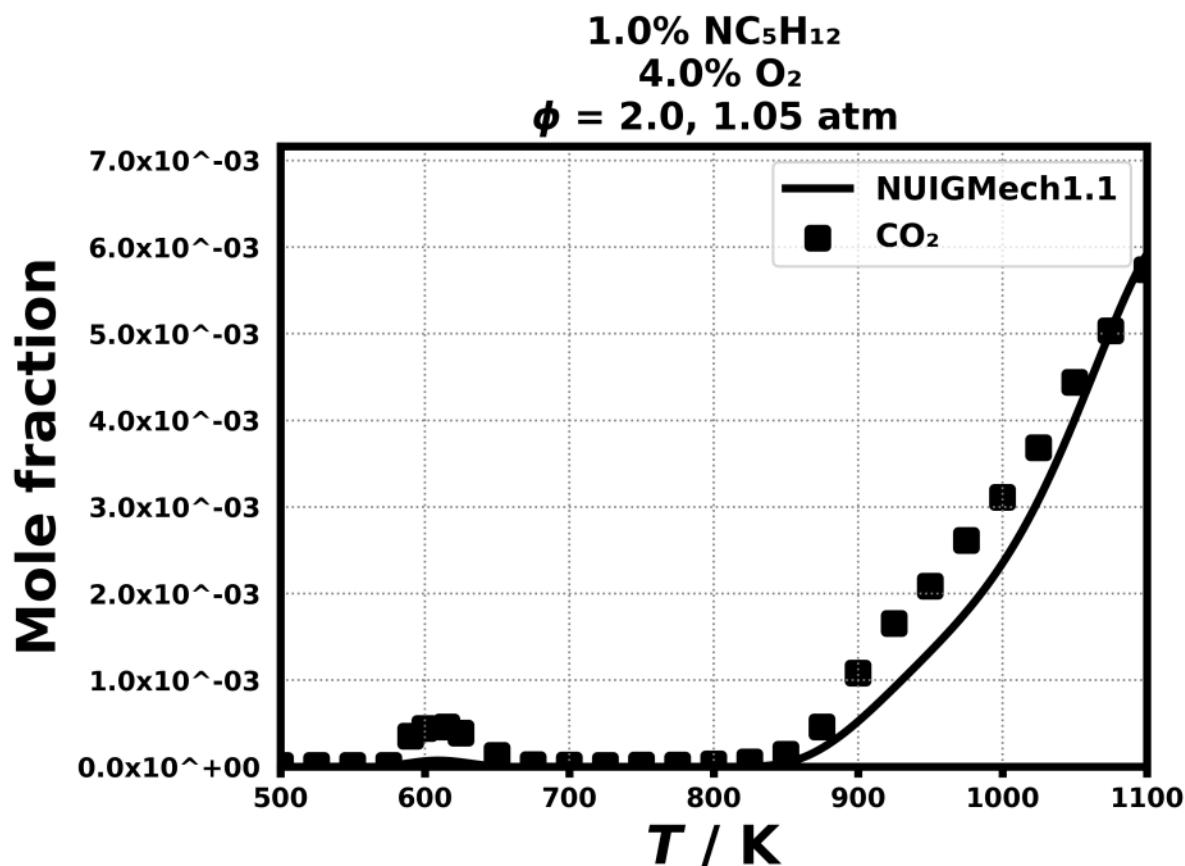


Figure 111: Dataset: 1.05_ATM_PHI_2.0

1.3.82 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

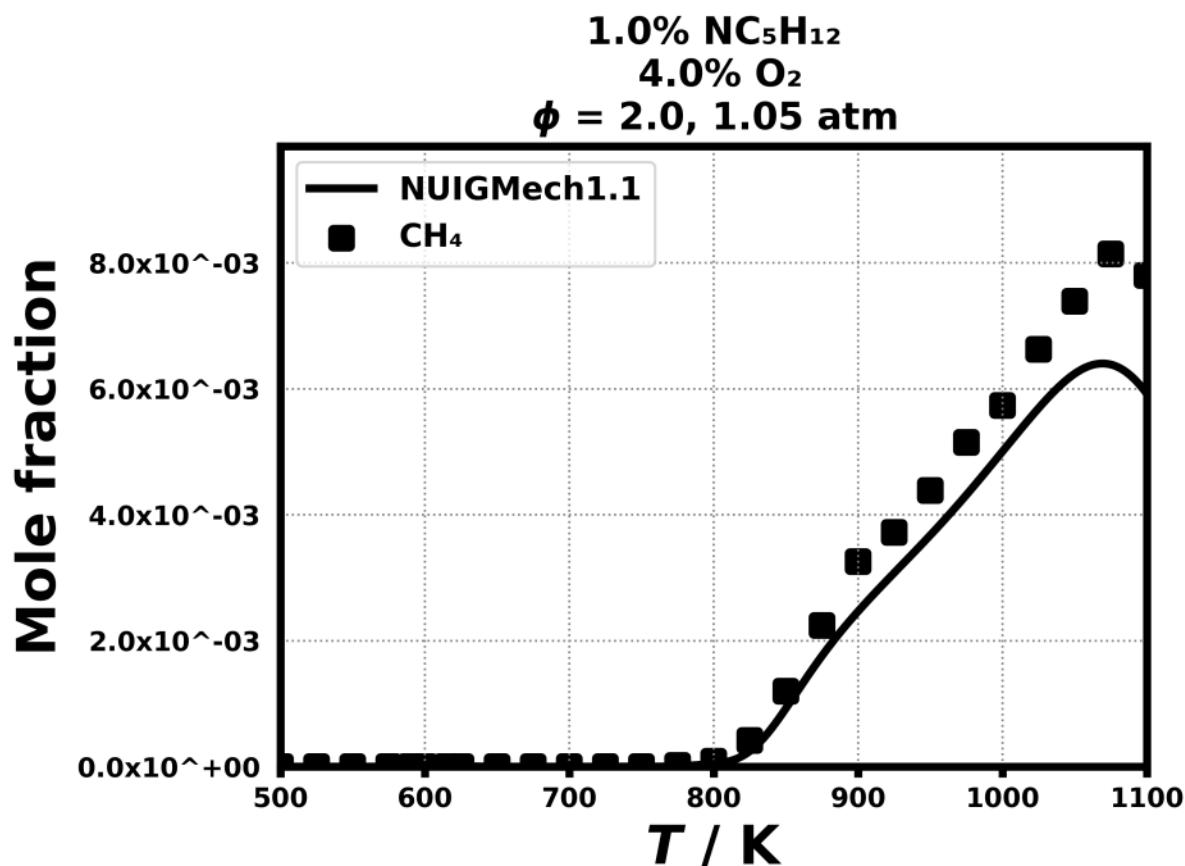


Figure 112: Dataset: 1.05_ATM_PHI_2.0

1.3.83 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

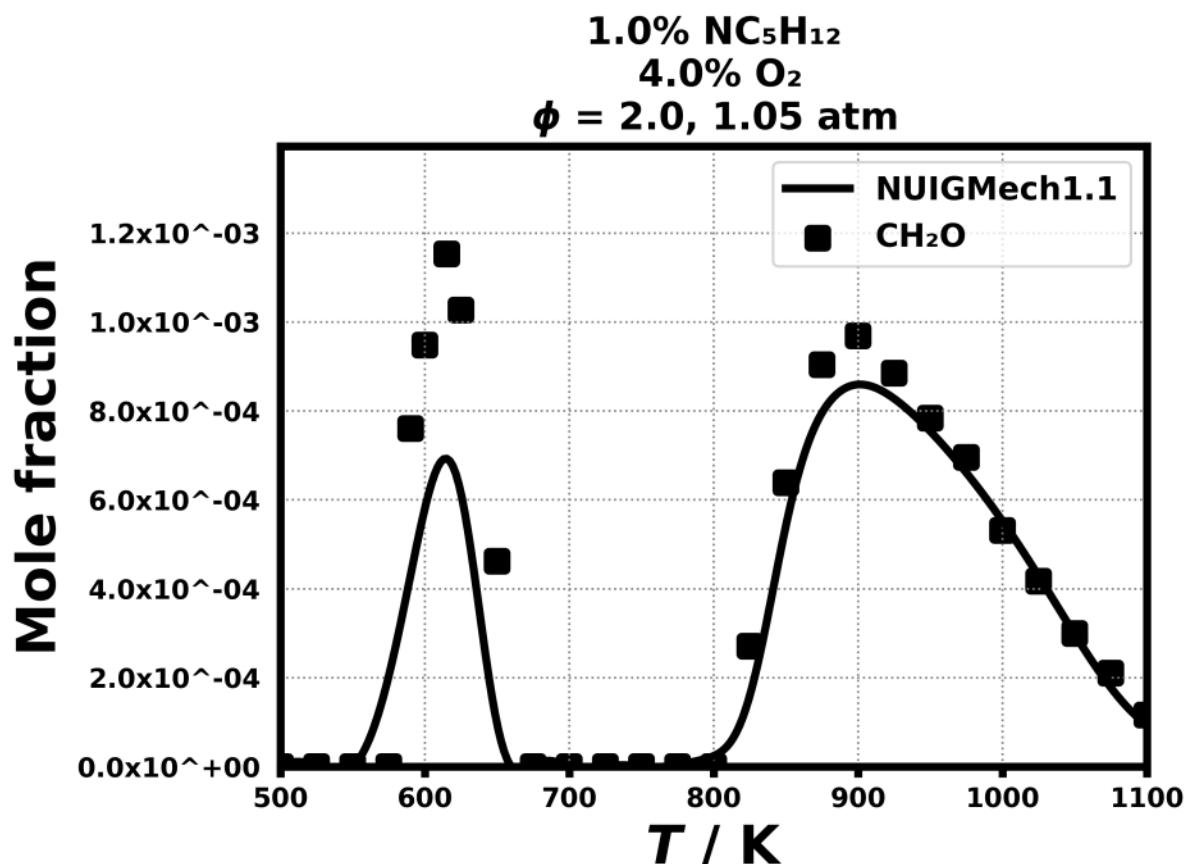


Figure 113: Dataset: 1.05_ATM_PHI_2.0

1.3.84 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

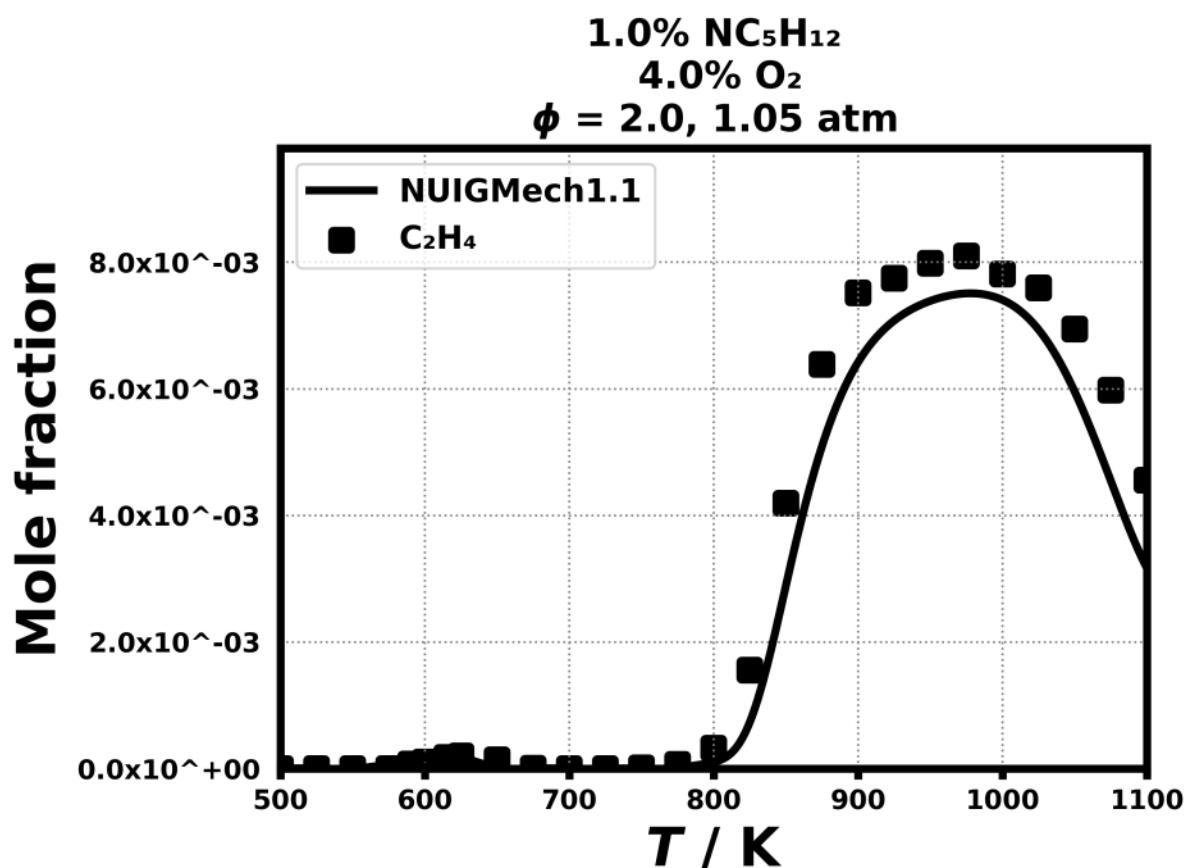


Figure 114: Dataset: 1.05_ATM_PHI_2.0

1.3.85 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

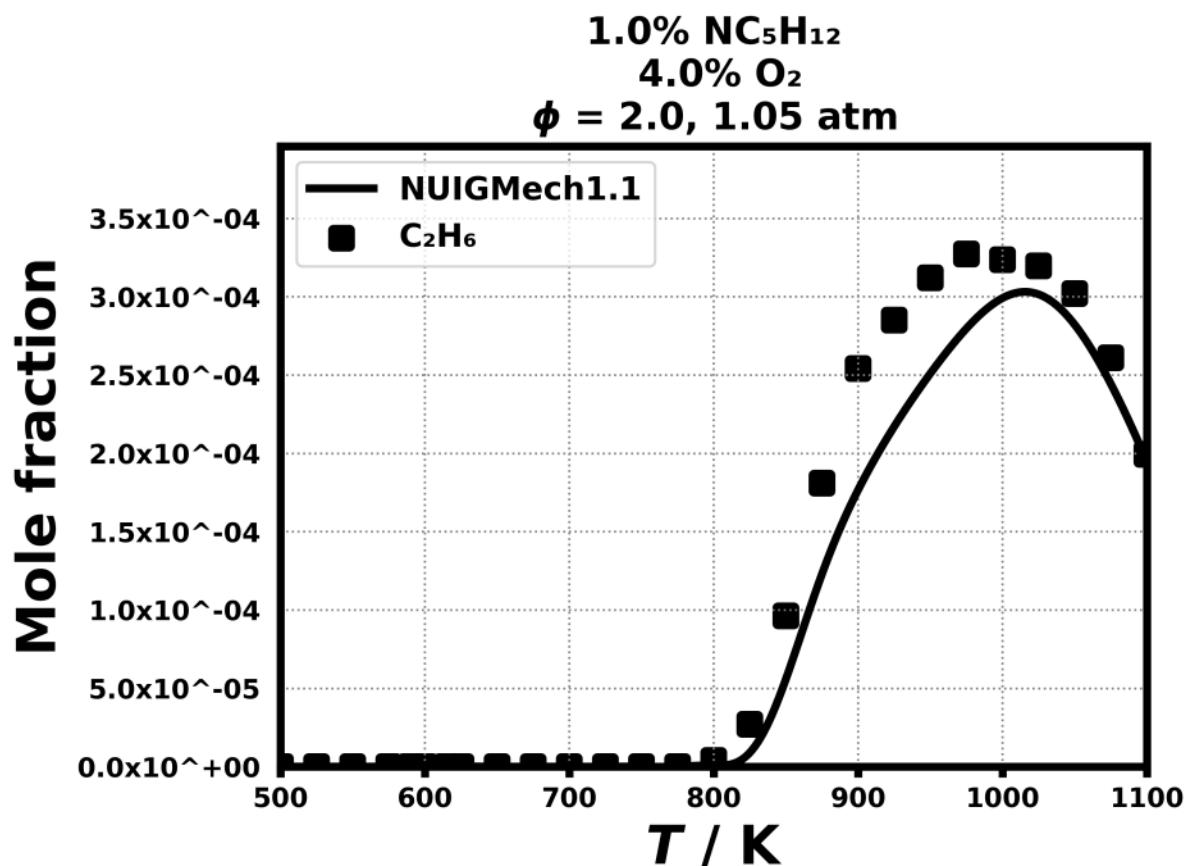


Figure 115: Dataset: 1.05_ATM_PHI_2.0

1.3.86 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

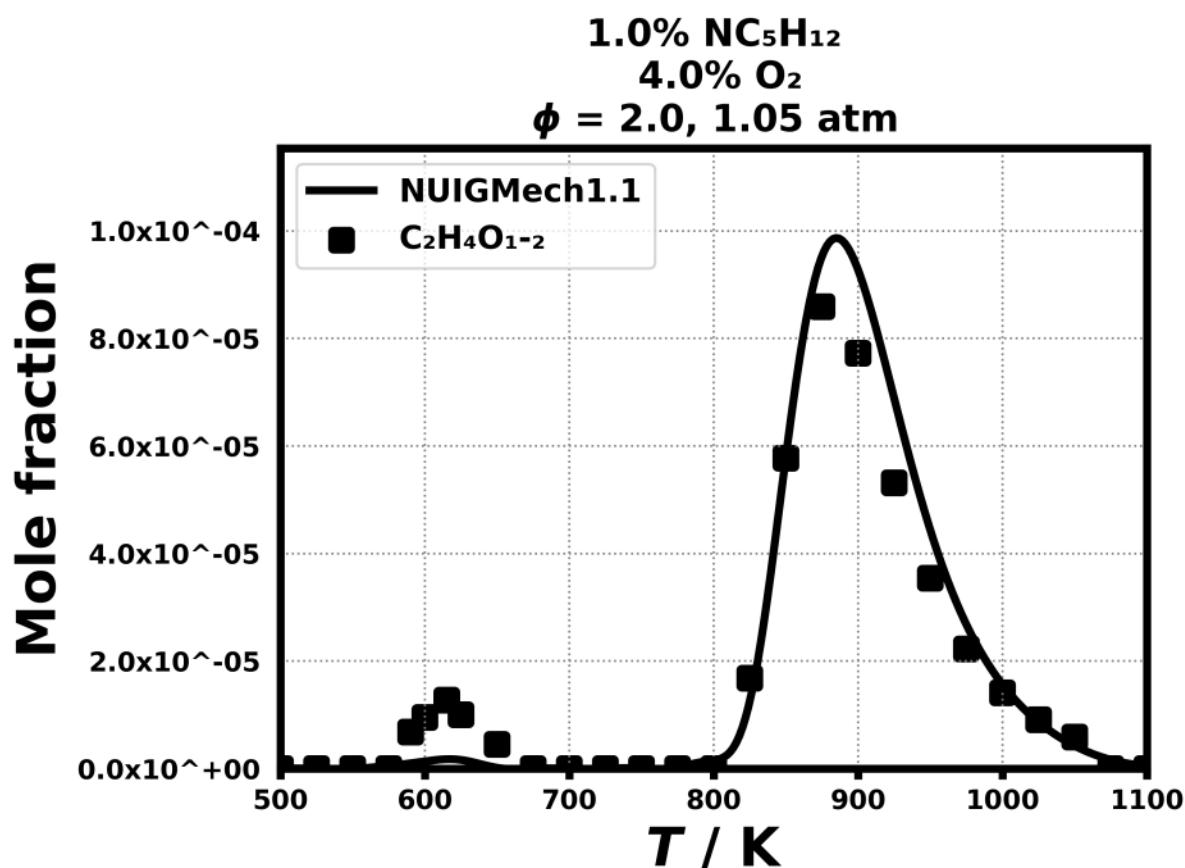


Figure 116: Dataset: 1.05_ATM_PHI_2.0

1.3.87 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

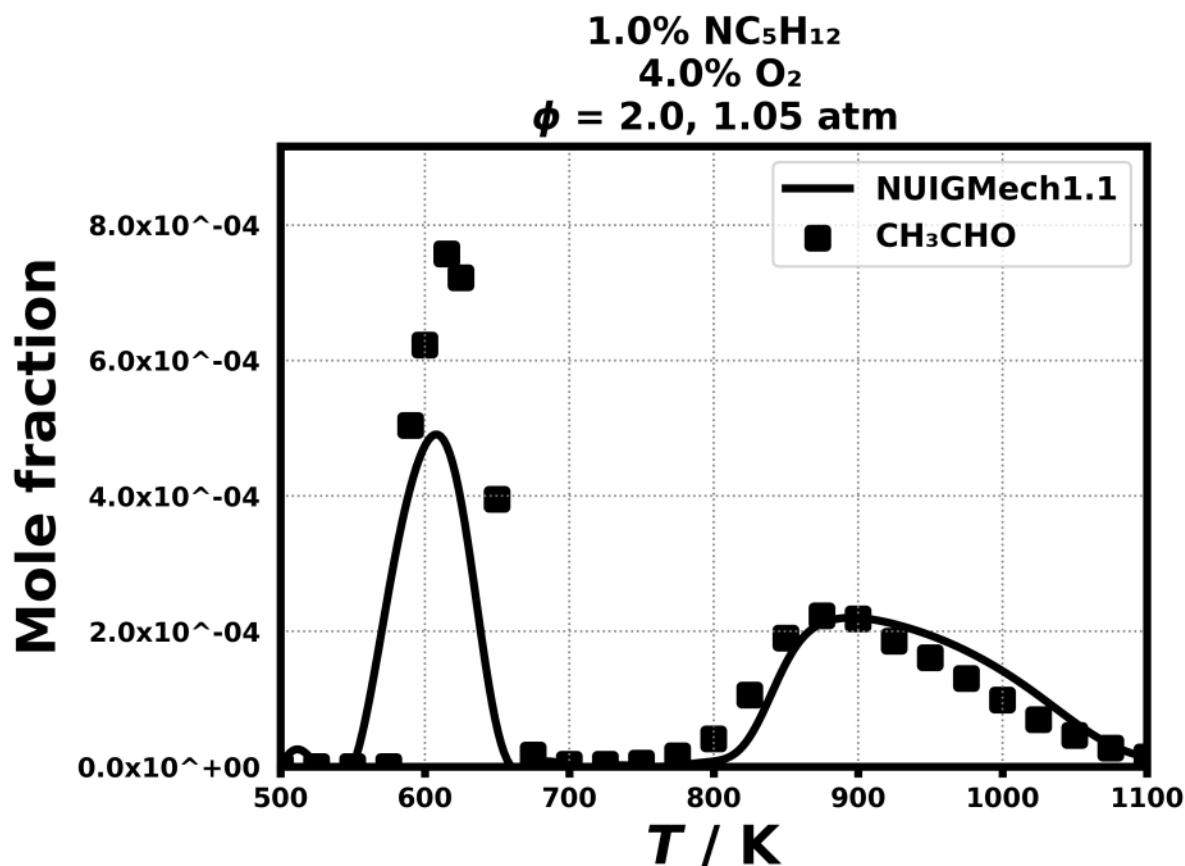


Figure 117: Dataset: 1.05_ATM_PHI_2.0

1.3.88 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

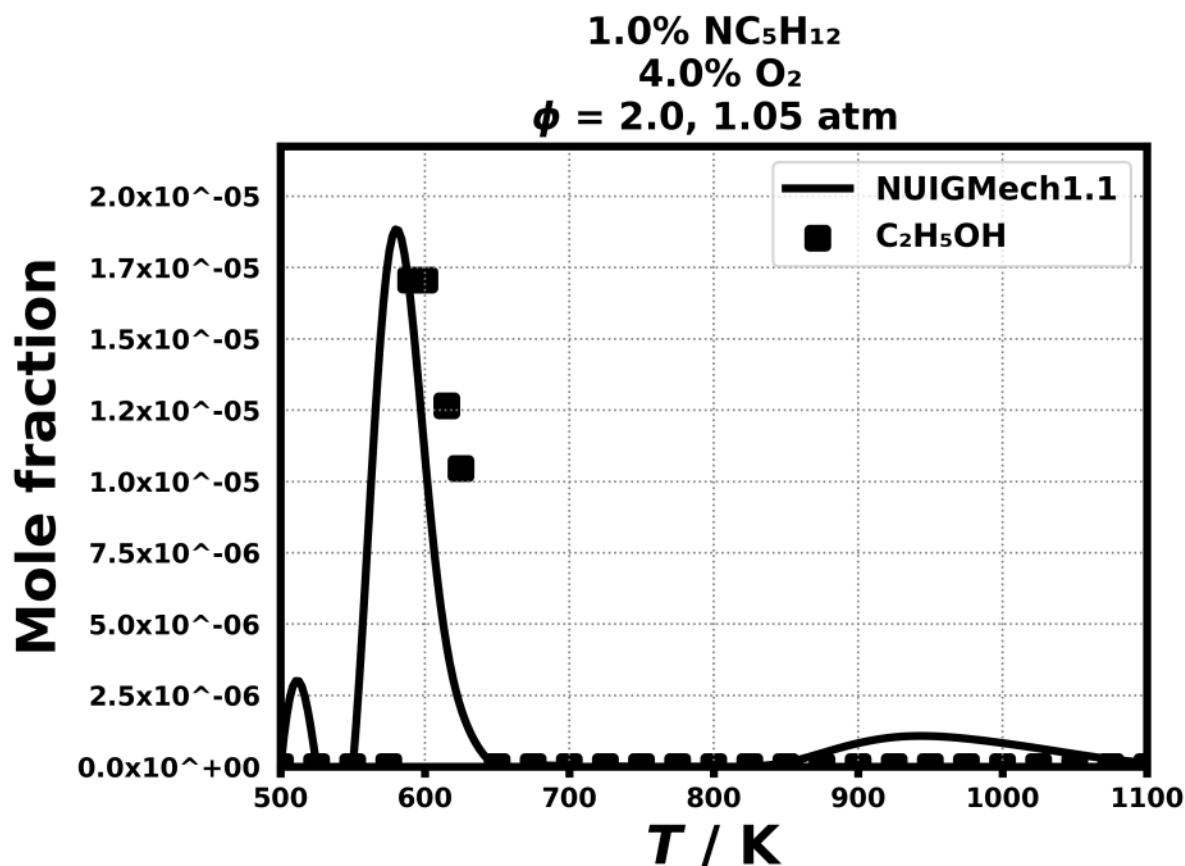


Figure 118: Dataset: 1.05_ATM_PHI_2.0

1.3.89 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

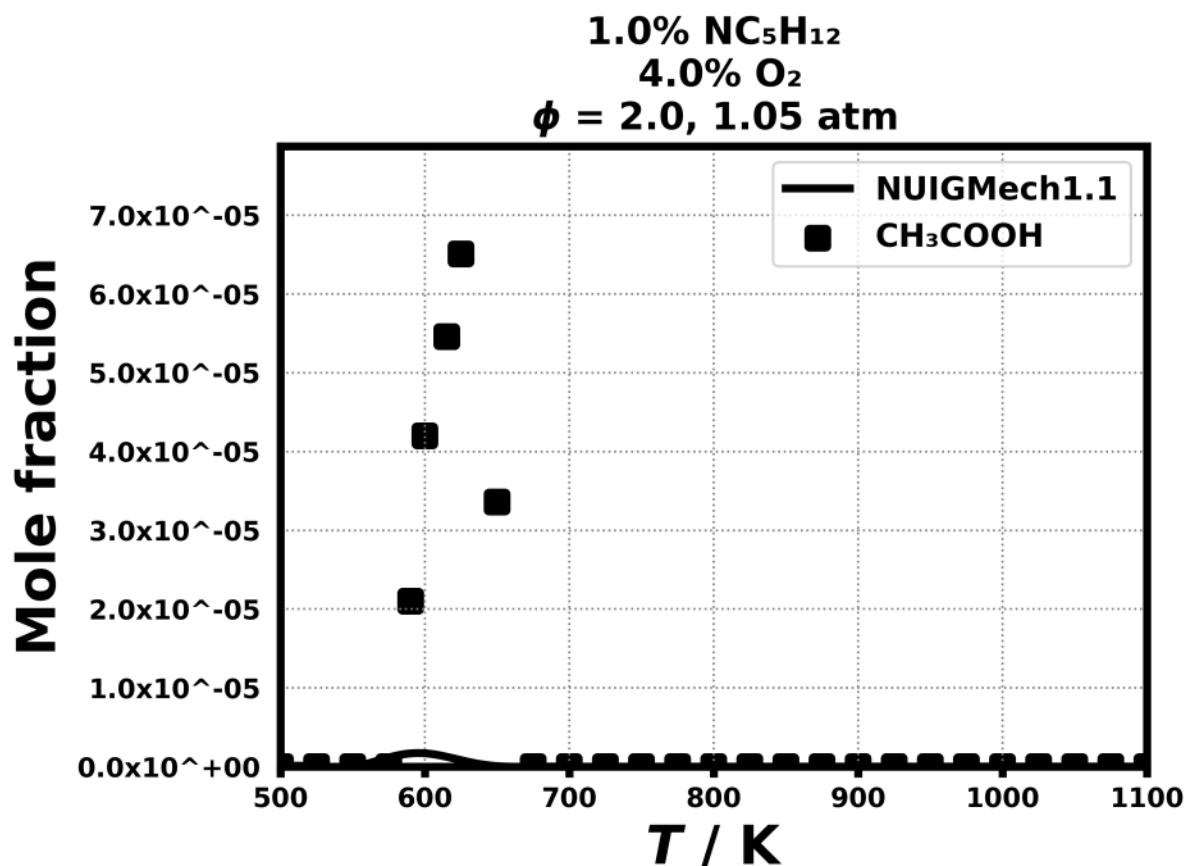


Figure 119: Dataset: 1.05_ATM_PHI_2.0

1.3.90 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

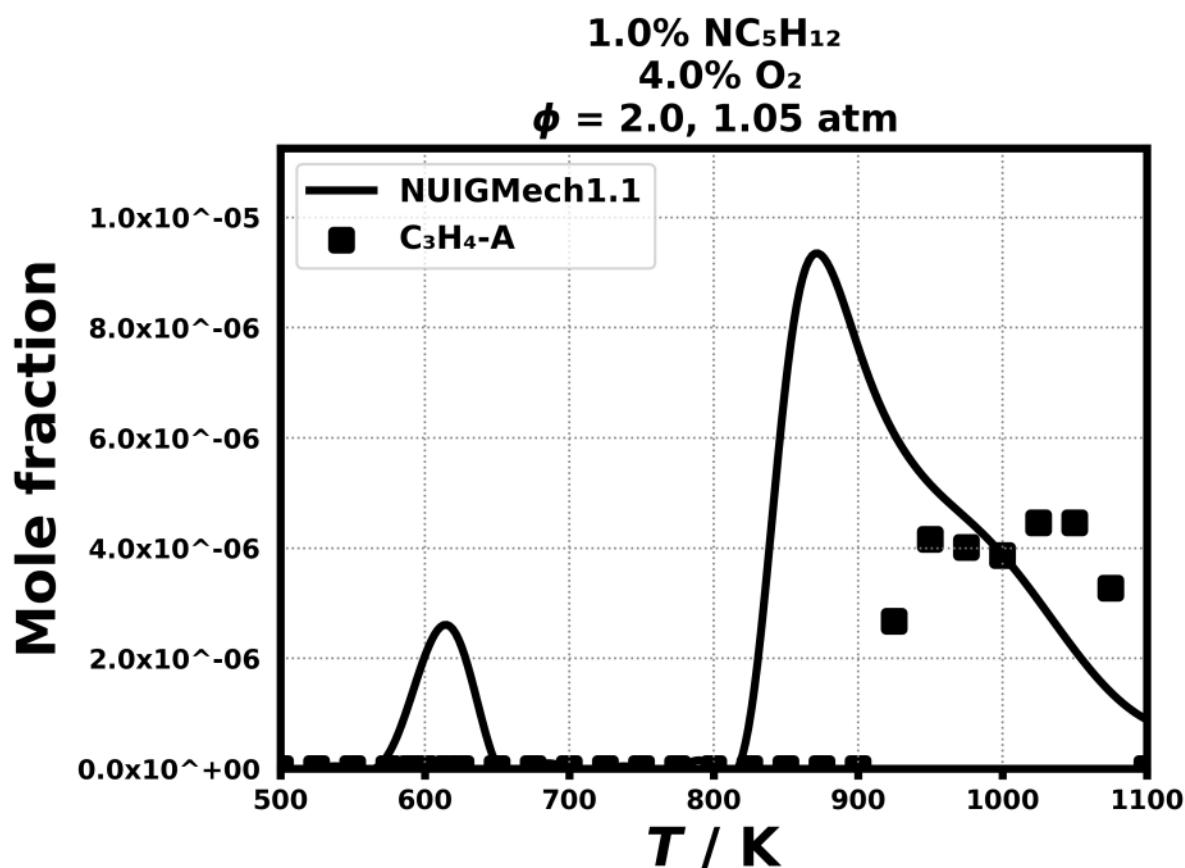


Figure 120: Dataset: 1.05_ATM_PHI_2.0

1.3.91 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

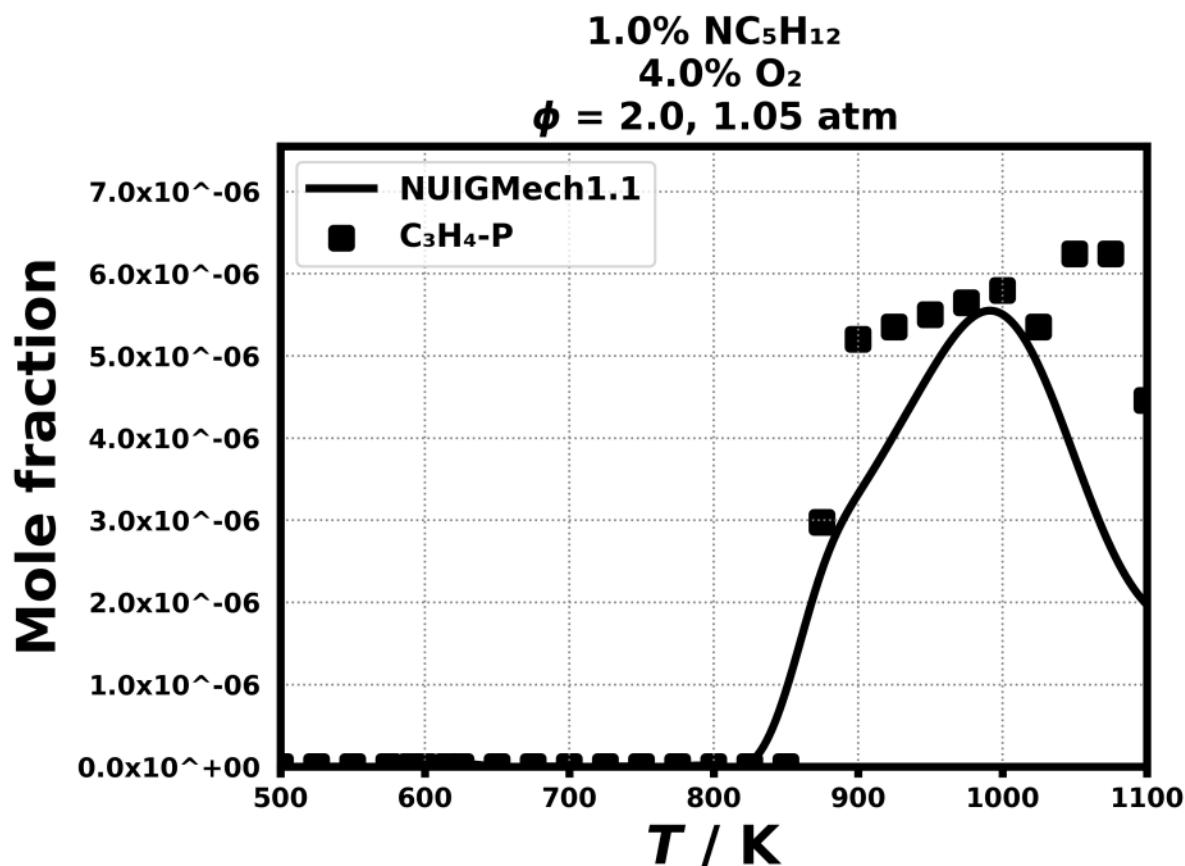


Figure 121: Dataset: 1.05_ATM_PHI_2.0

1.3.92 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

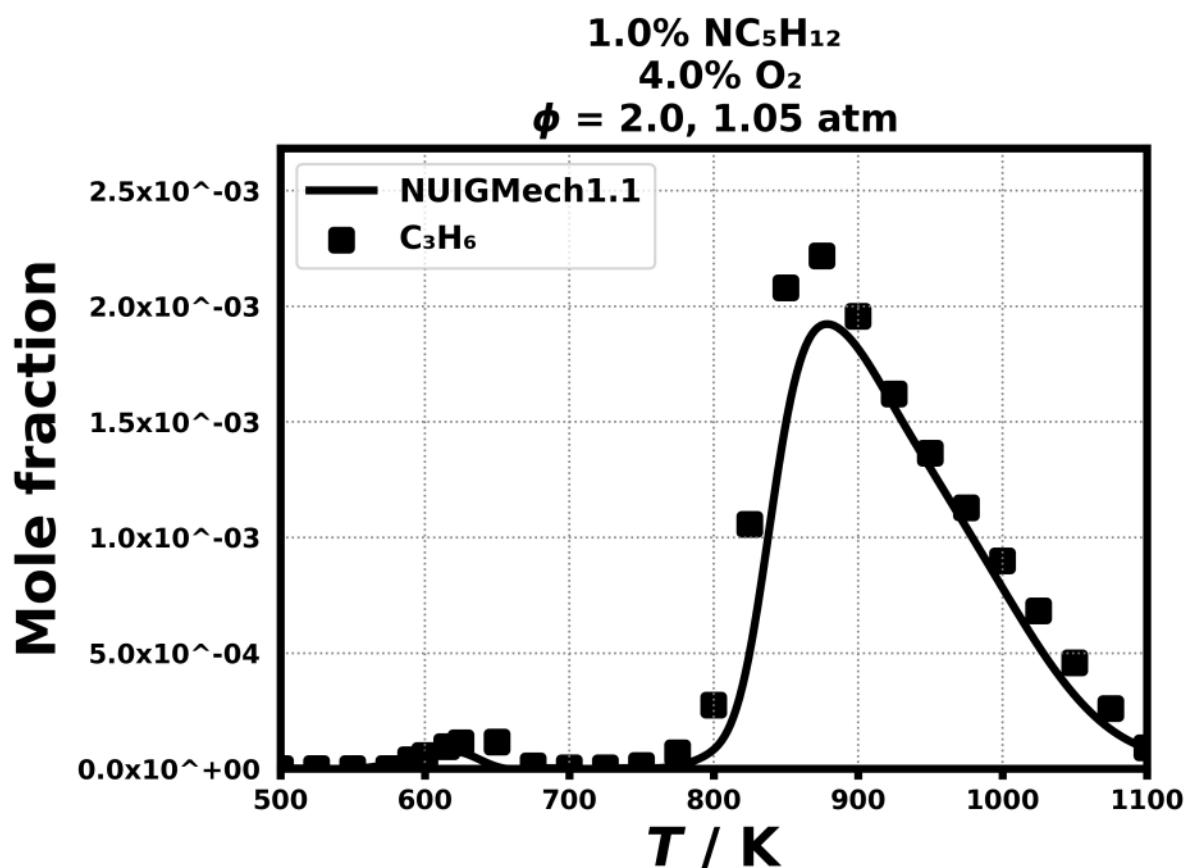


Figure 122: Dataset: 1.05_ATM_PHI_2.0

1.3.93 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

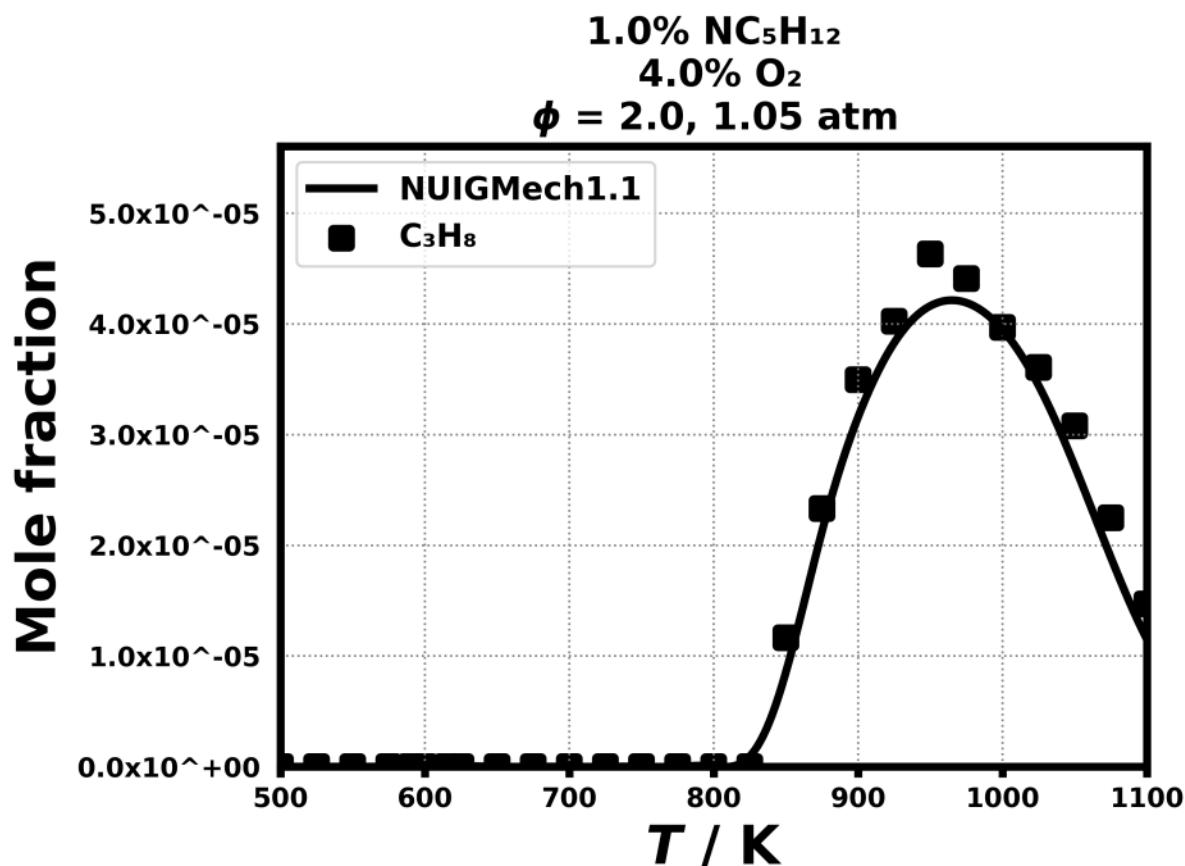


Figure 123: Dataset: 1.05_ATM_PHI_2.0

1.3.94 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

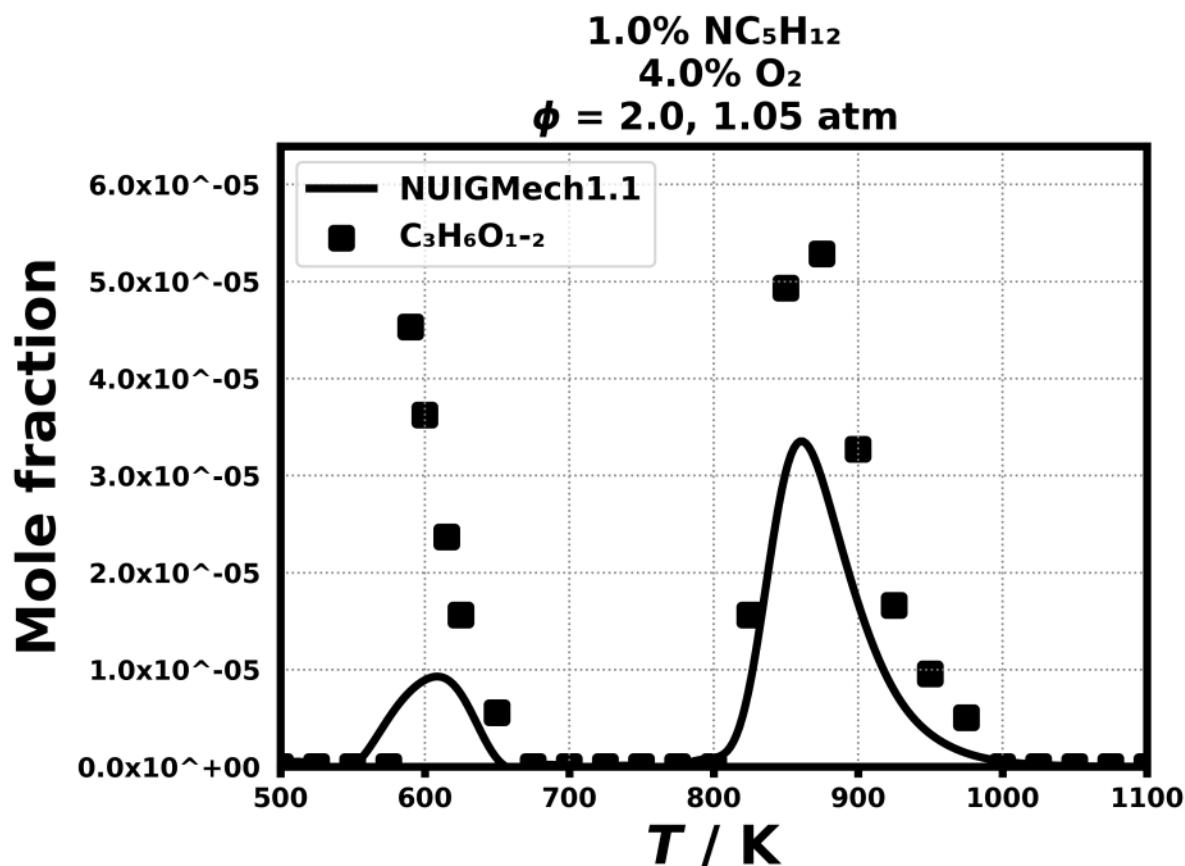


Figure 124: Dataset: 1.05_ATM_PHI_2.0

1.3.95 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

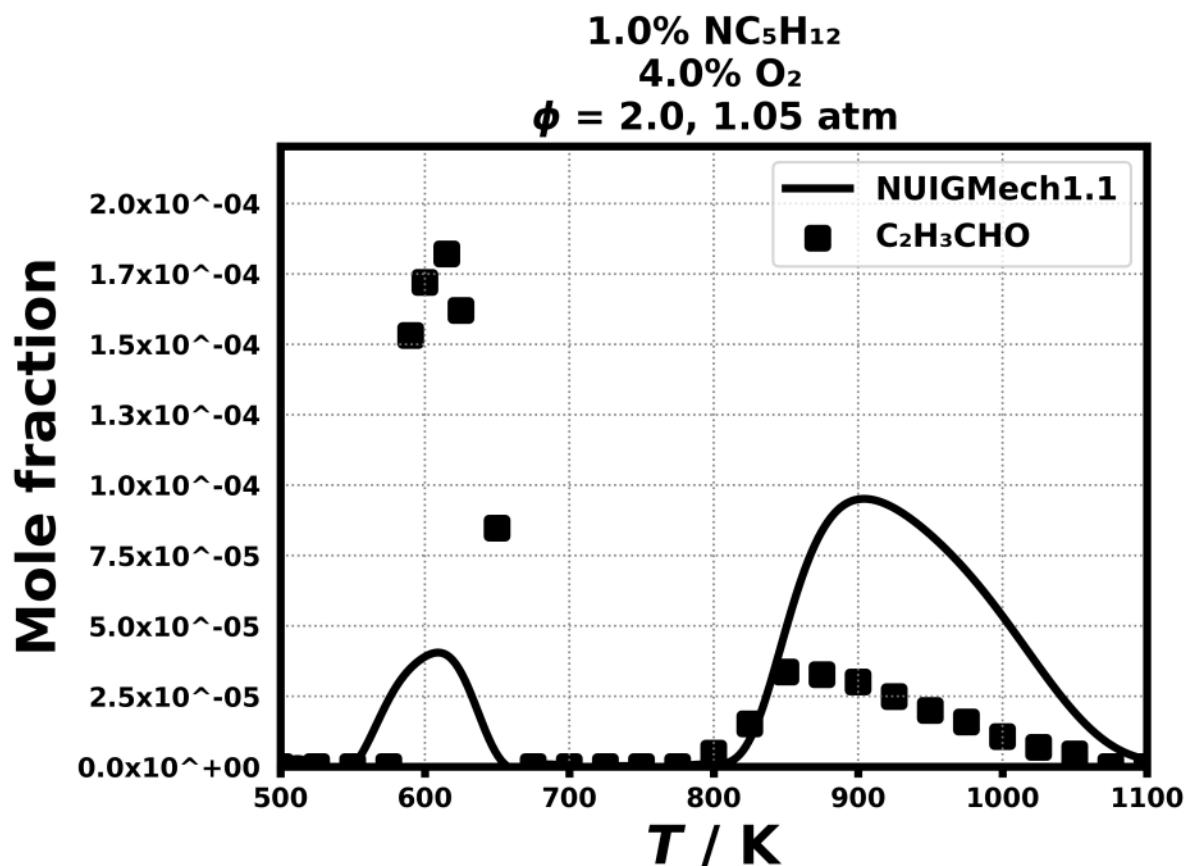


Figure 125: Dataset: 1.05_ATM_PHI_2.0

1.3.96 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

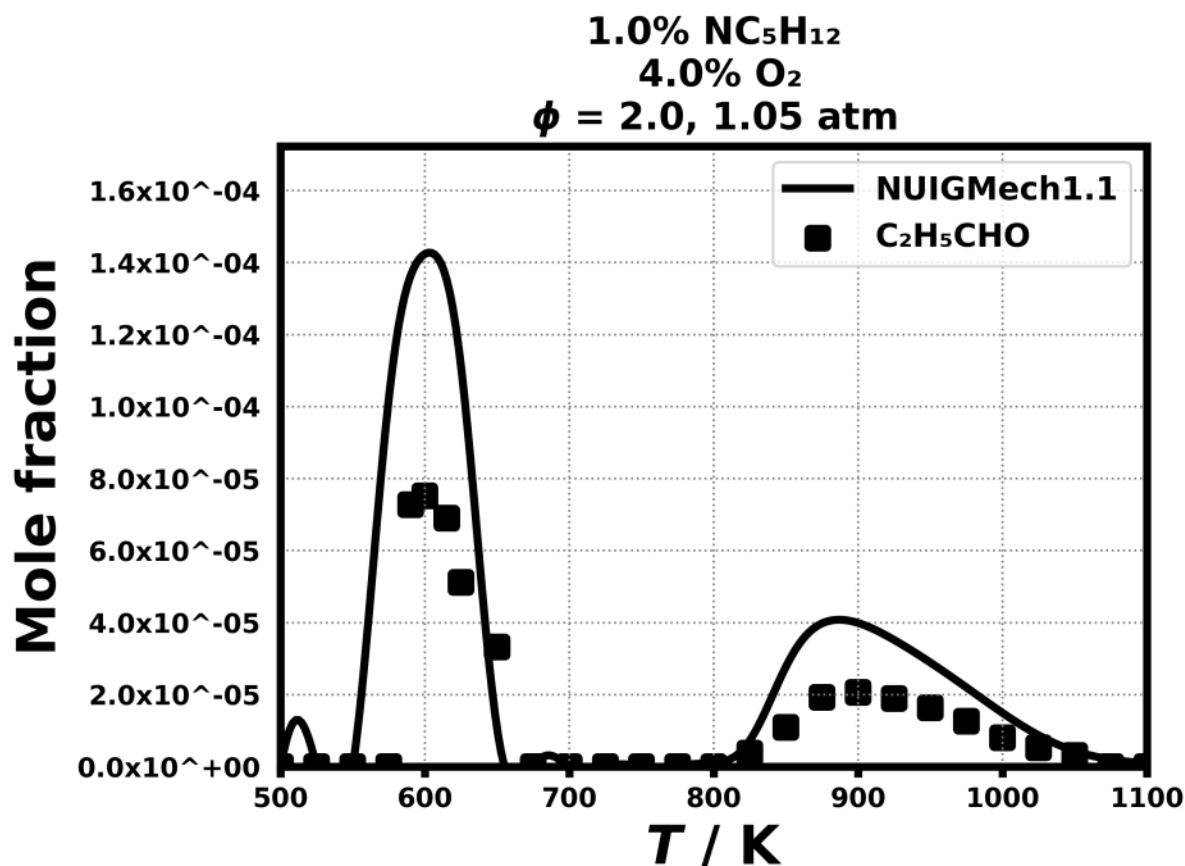


Figure 126: Dataset: 1.05_ATM_PHI_2.0

1.3.97 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

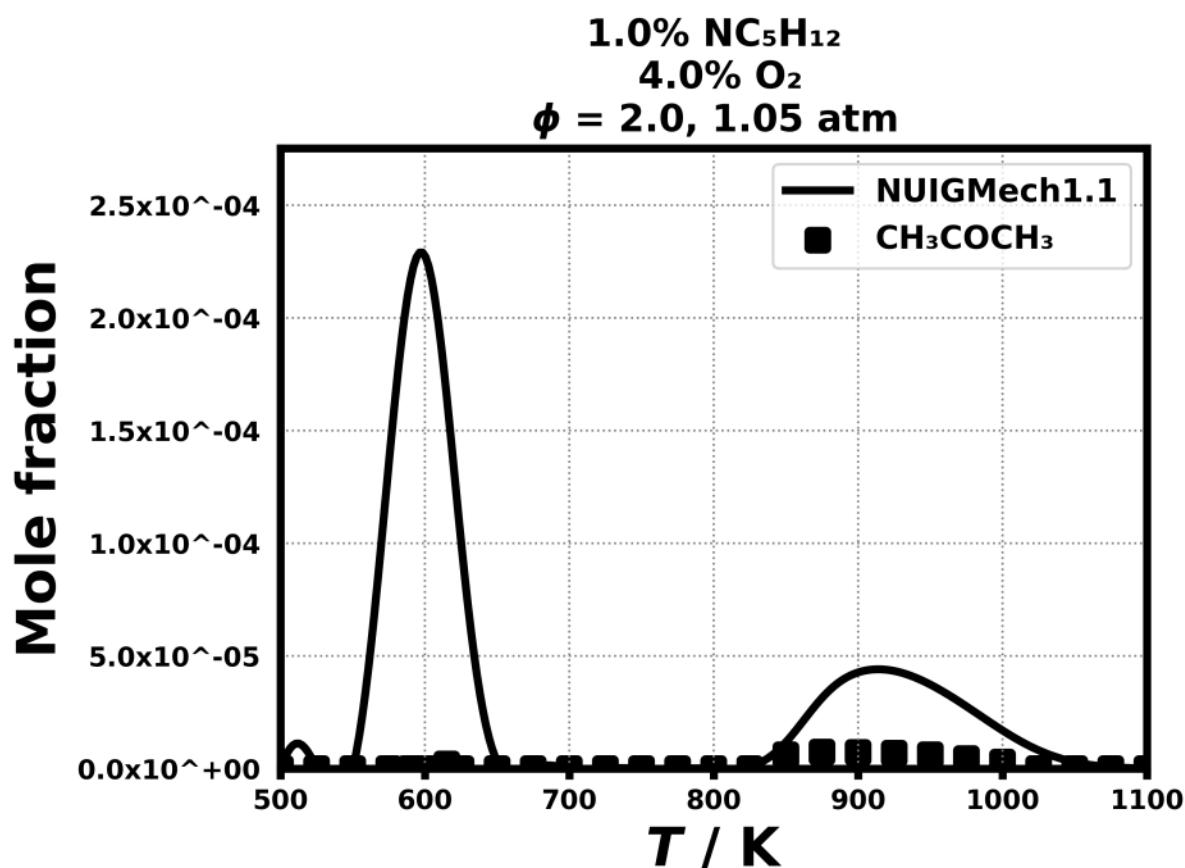


Figure 127: Dataset: 1.05_ATM_PHI_2.0

1.3.98 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

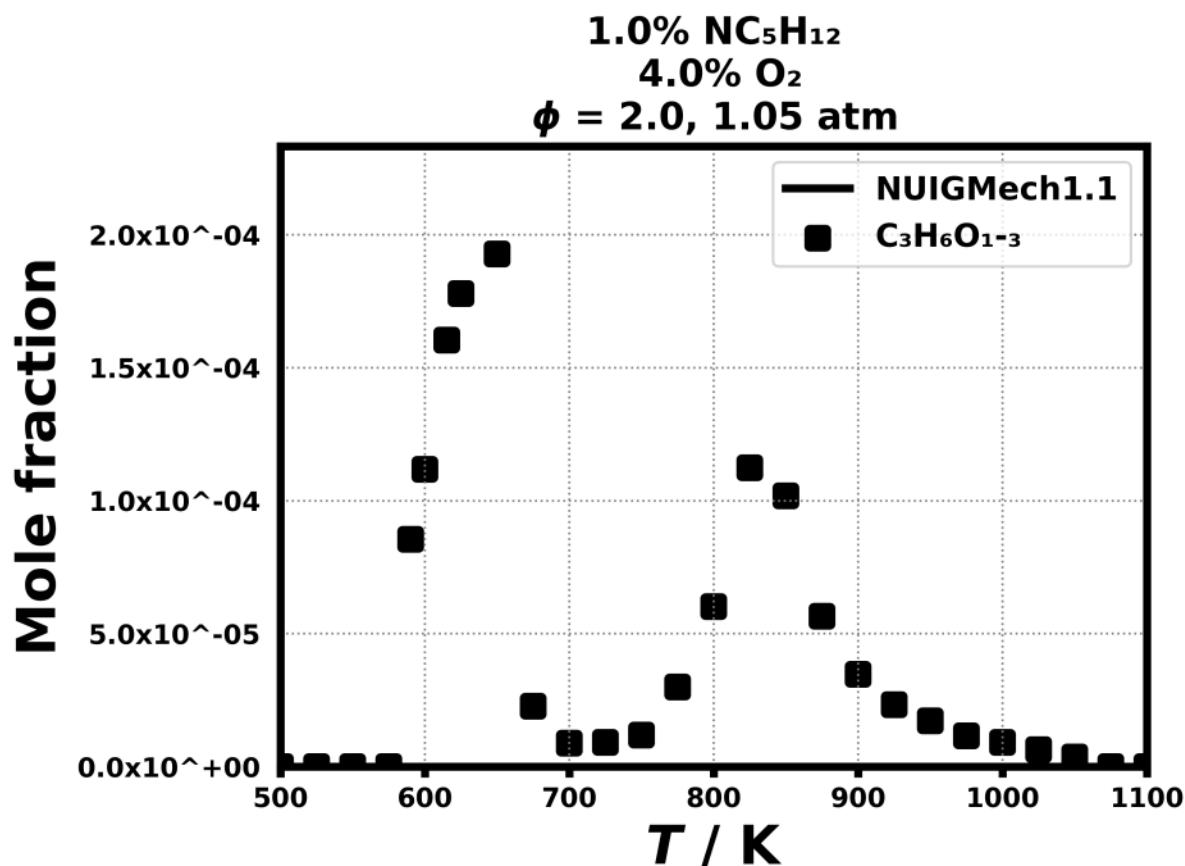


Figure 128: Dataset: 1.05_ATM_PHI_2.0

1.3.99 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

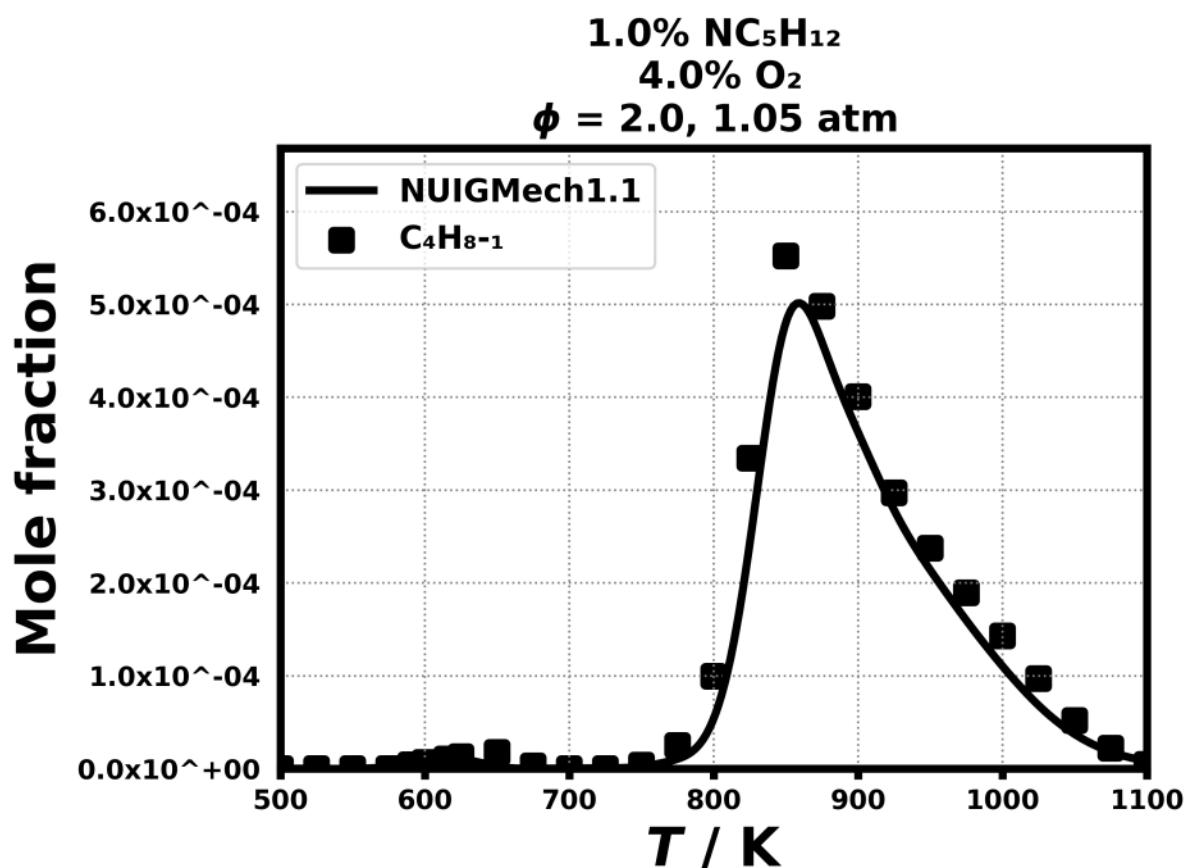


Figure 129: Dataset: 1.05_ATM_PHI_2.0

1.3.100 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

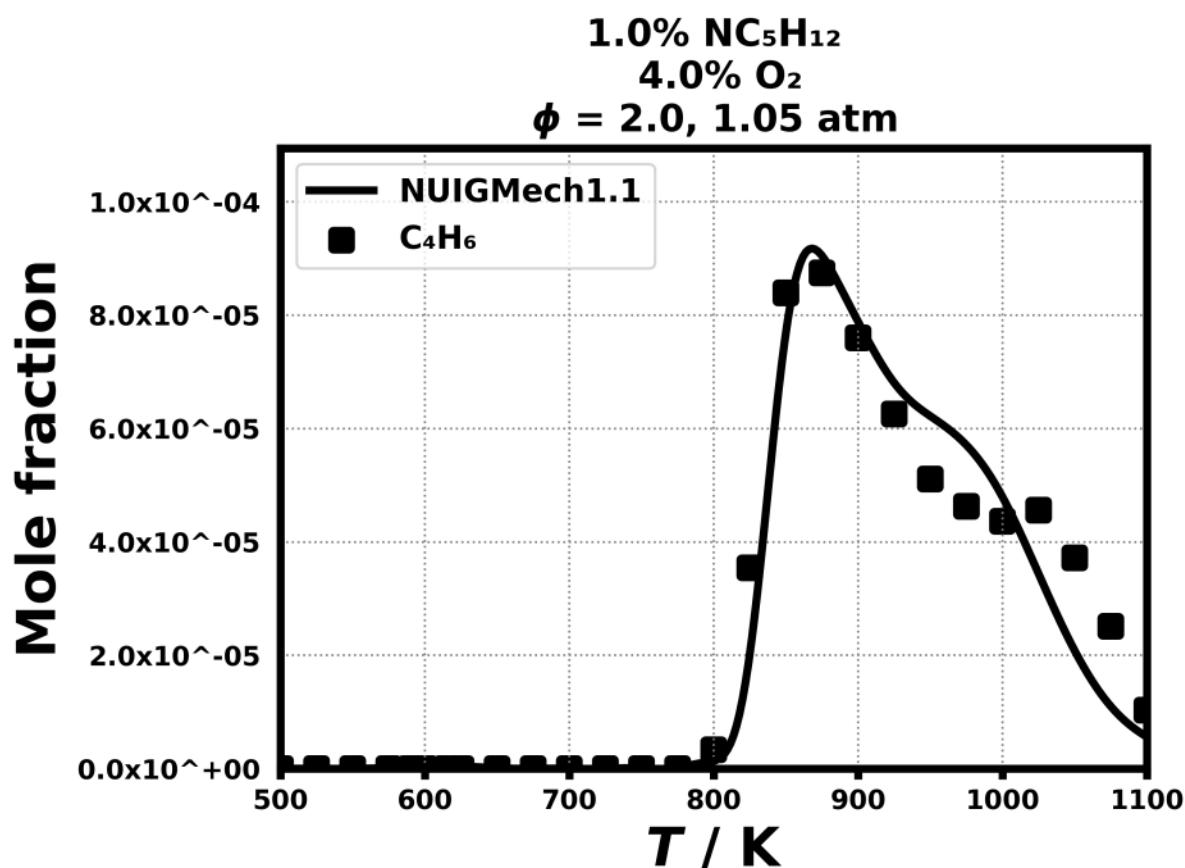


Figure 130: Dataset: 1.05_ATM_PHI_2.0

1.3.101 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

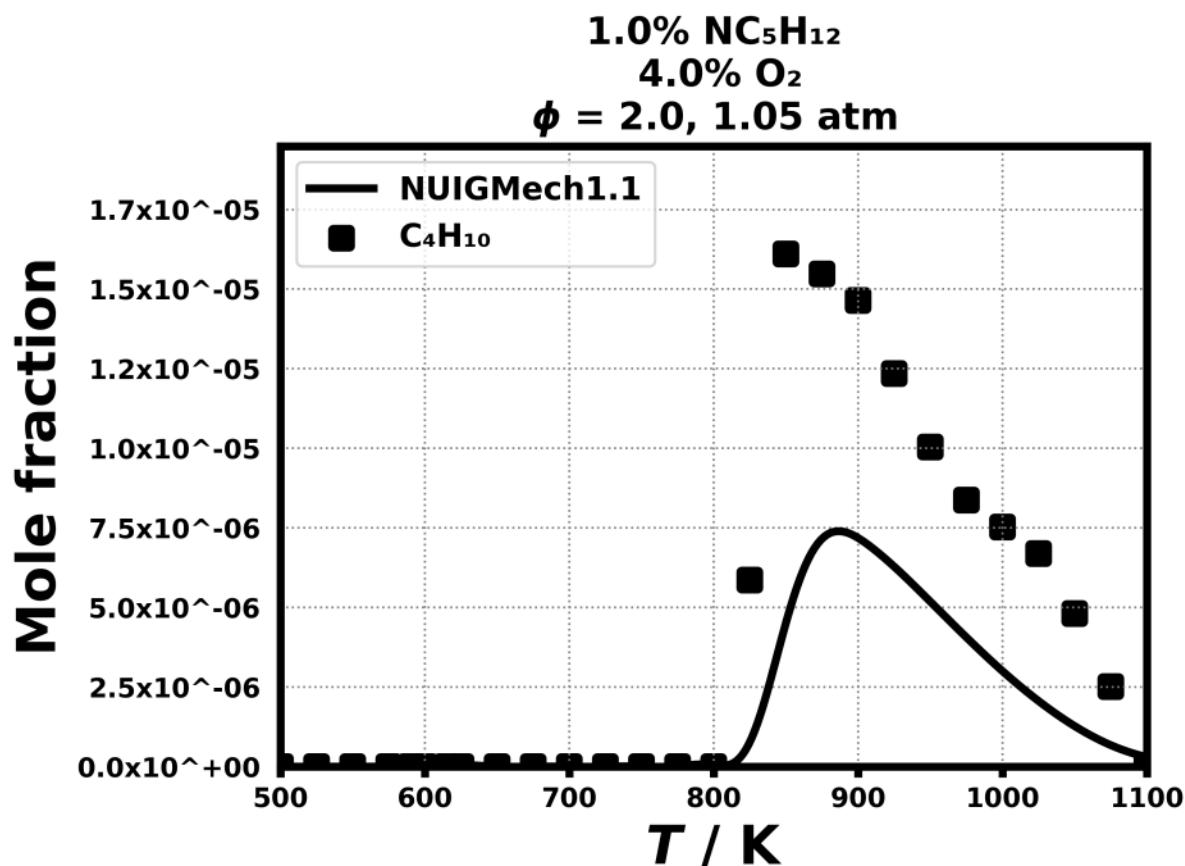


Figure 131: Dataset: 1.05_ATM_PHI_2.0

1.3.102 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

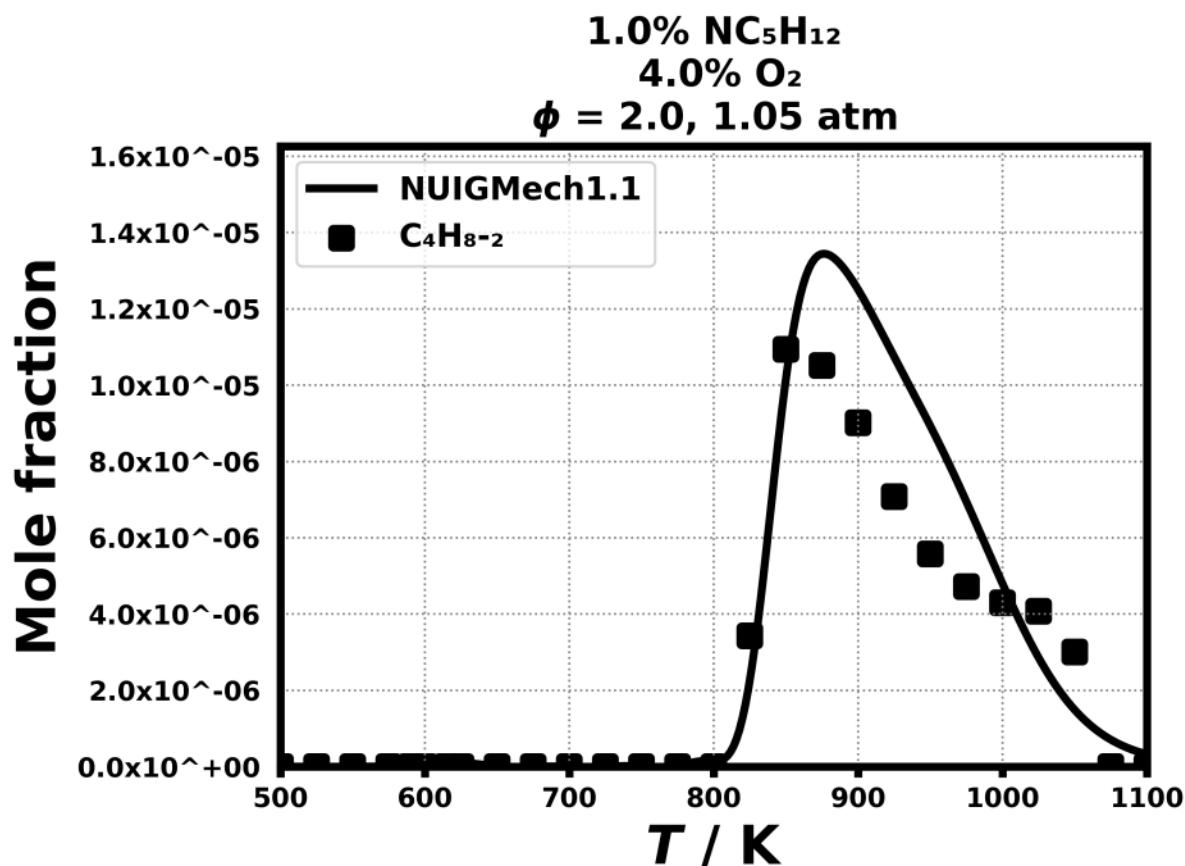


Figure 132: Dataset: 1.05_ATM_PHI_2.0

1.3.103 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

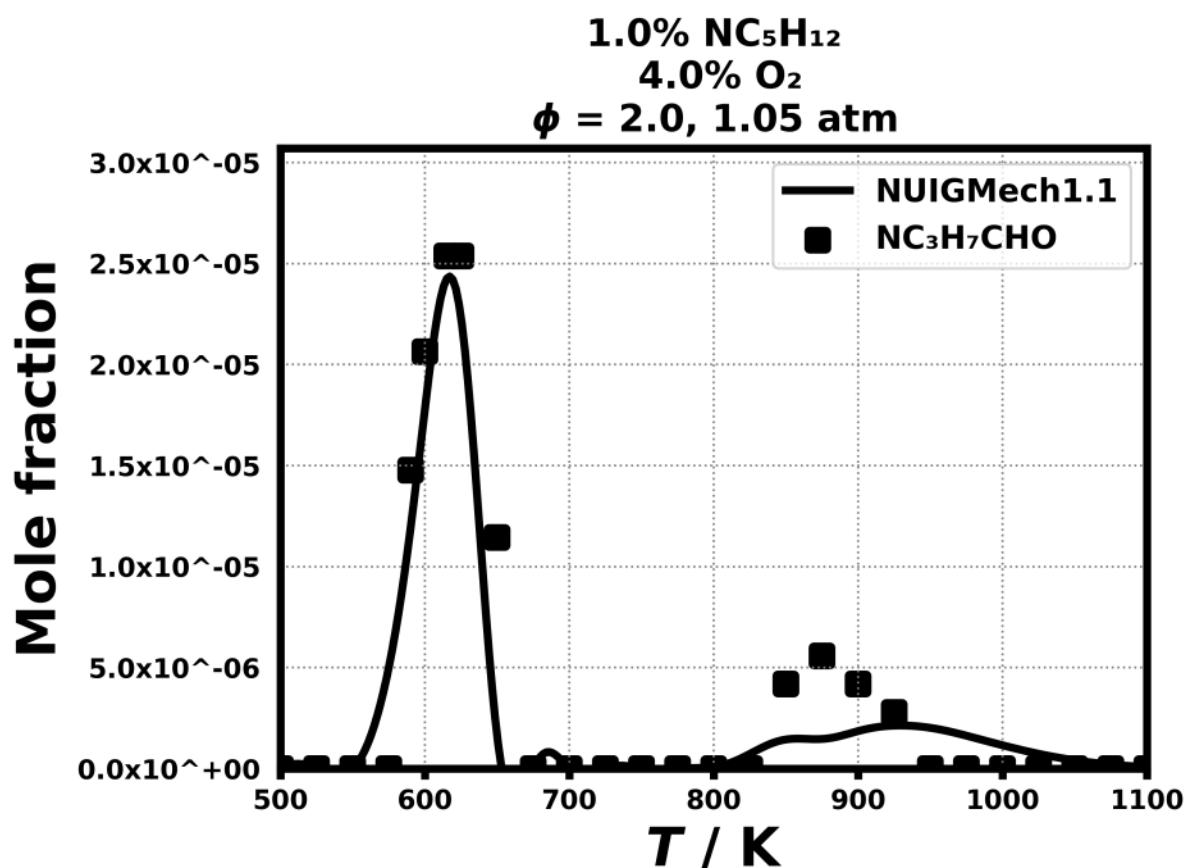


Figure 133: Dataset: 1.05_ATM_PHI_2.0

1.3.104 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

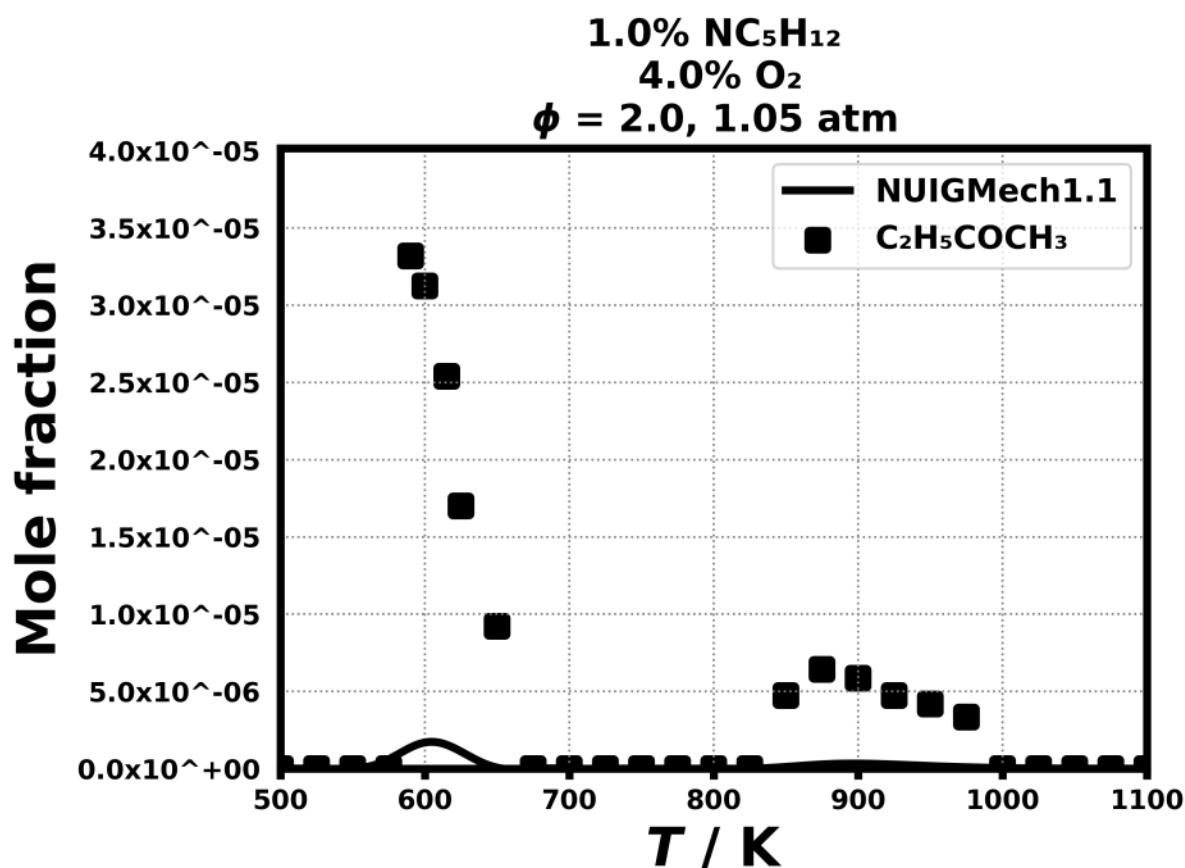


Figure 134: Dataset: 1.05_ATM_PHI_2.0

1.3.105 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

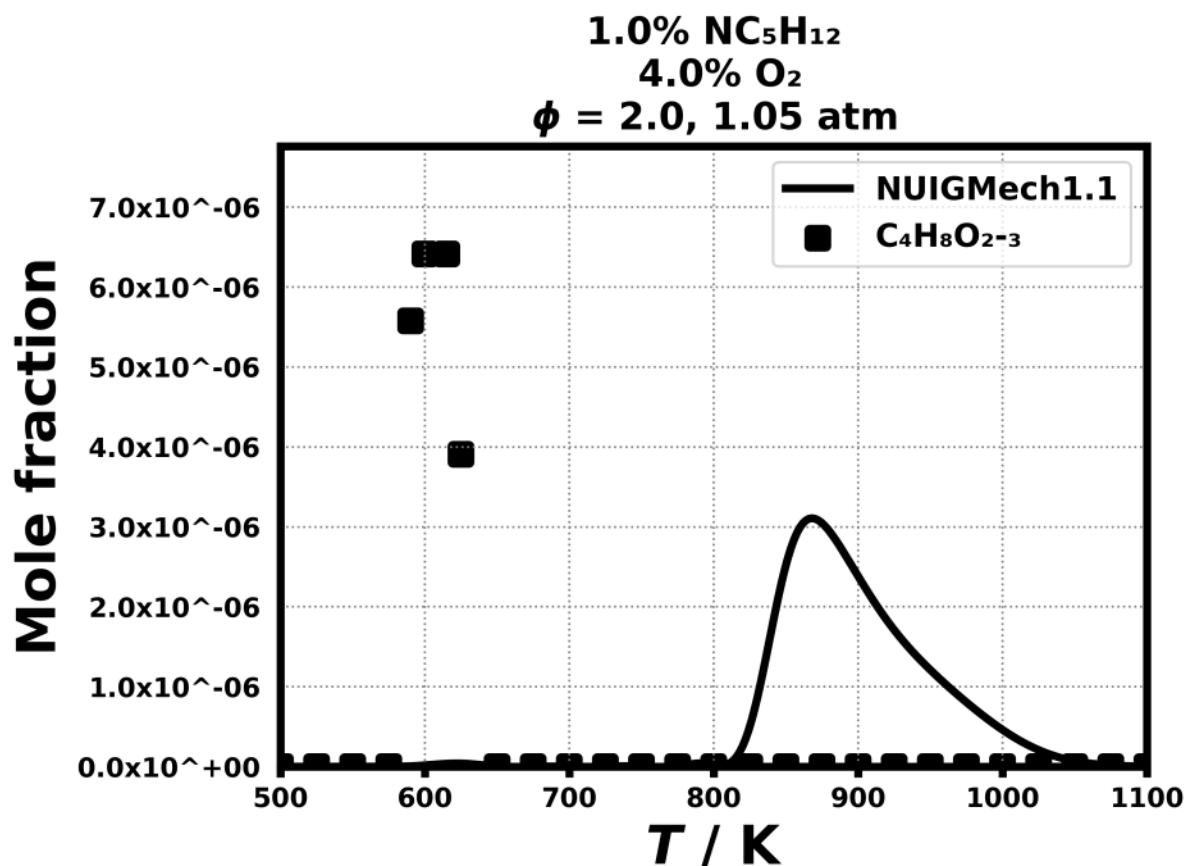


Figure 135: Dataset: 1.05_ATM_PHI_2.0

1.3.106 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

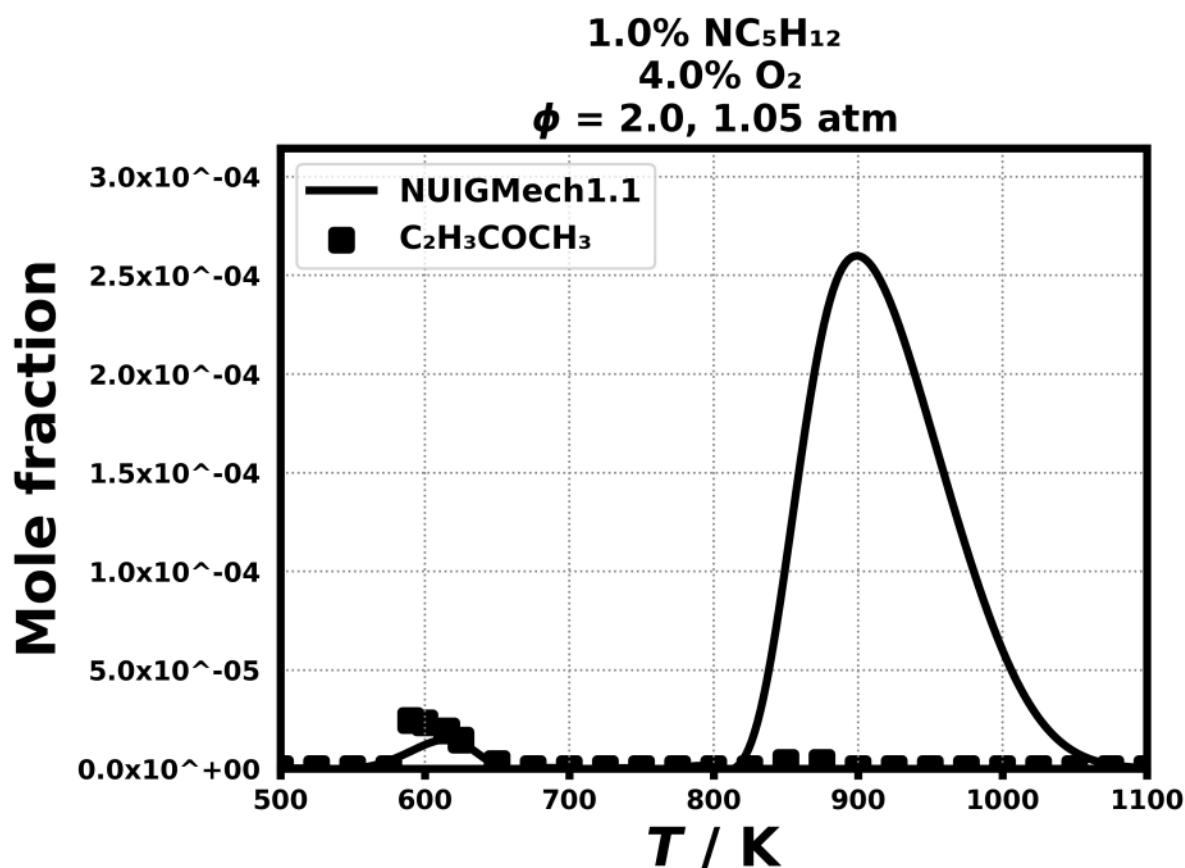


Figure 136: Dataset: 1.05_ATM_PHI_2.0

1.3.107 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

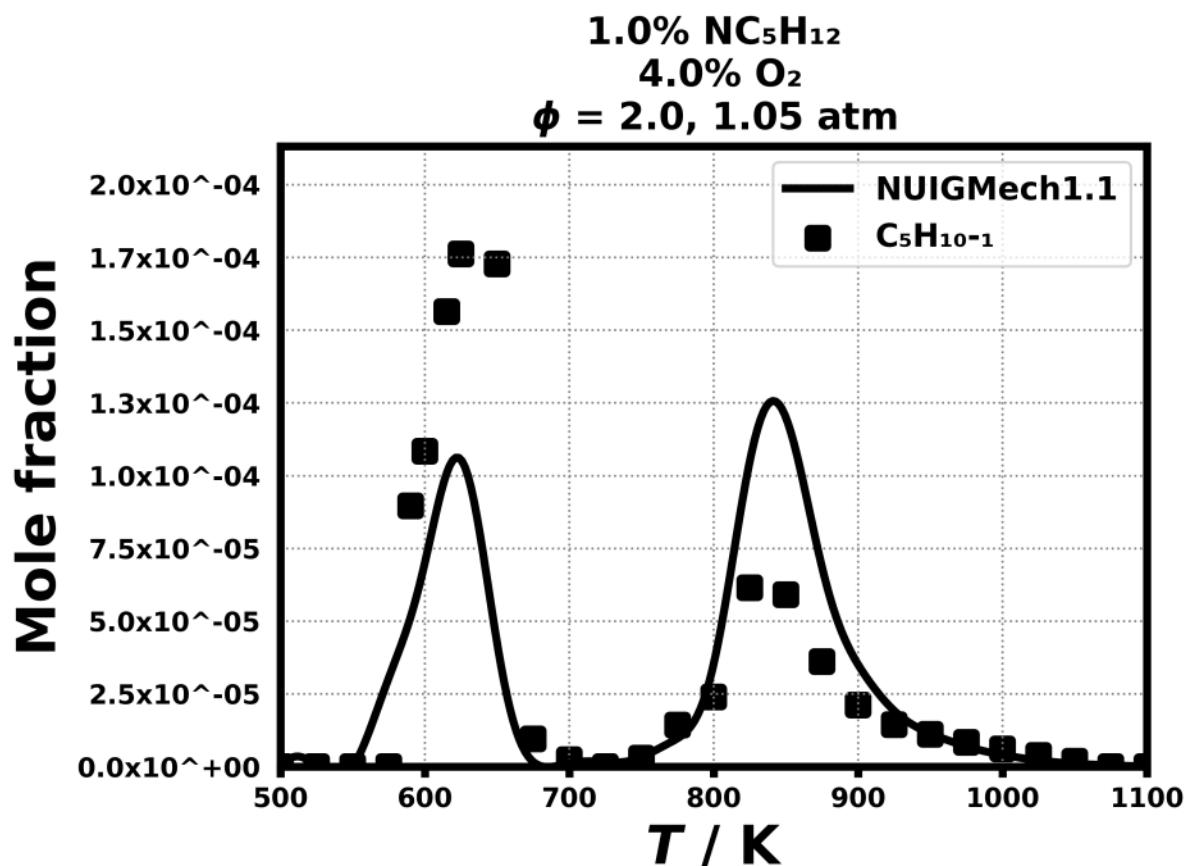


Figure 137: Dataset: 1.05_ATM_PHI_2.0

1.3.108 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

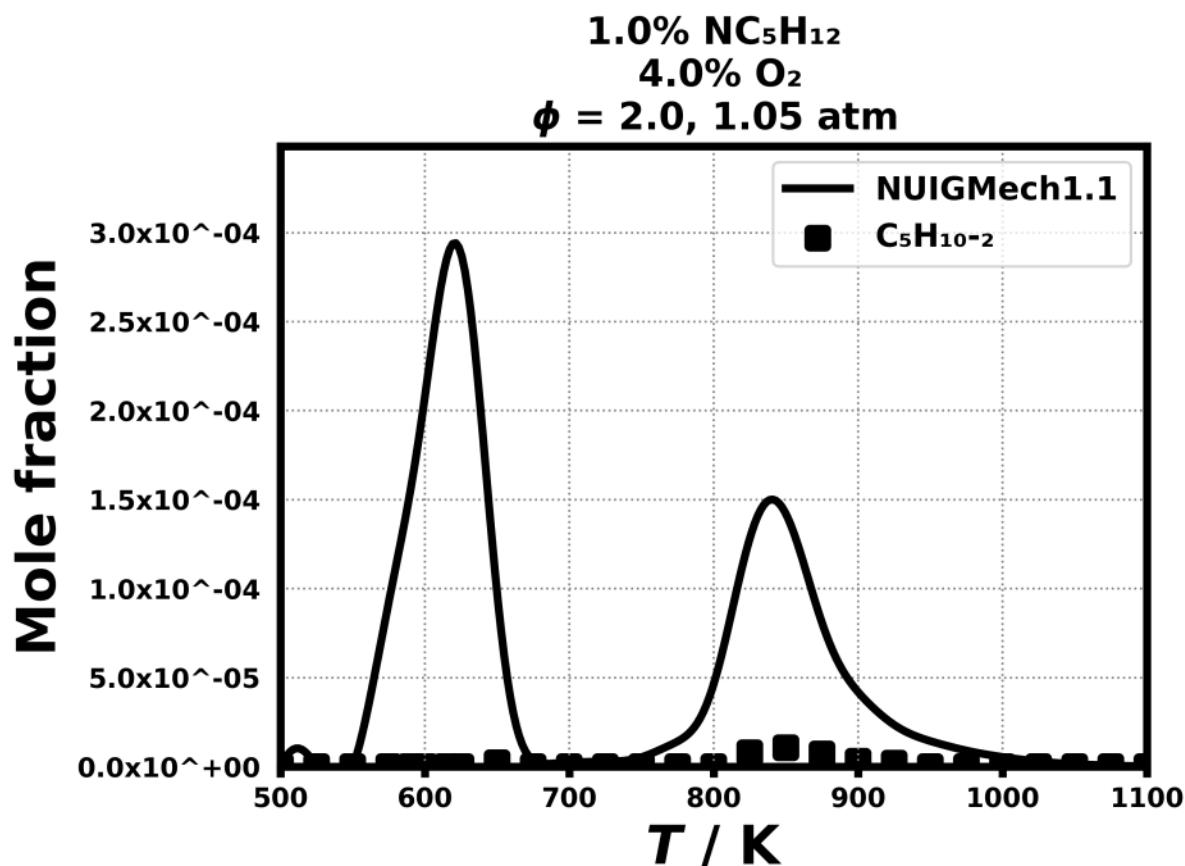


Figure 138: Dataset: 1.05_ATM_PHI_2.0

1.3.109 Case: n-C5H12/JSR/BUGLER/1.05_ATM_PHI_2.0

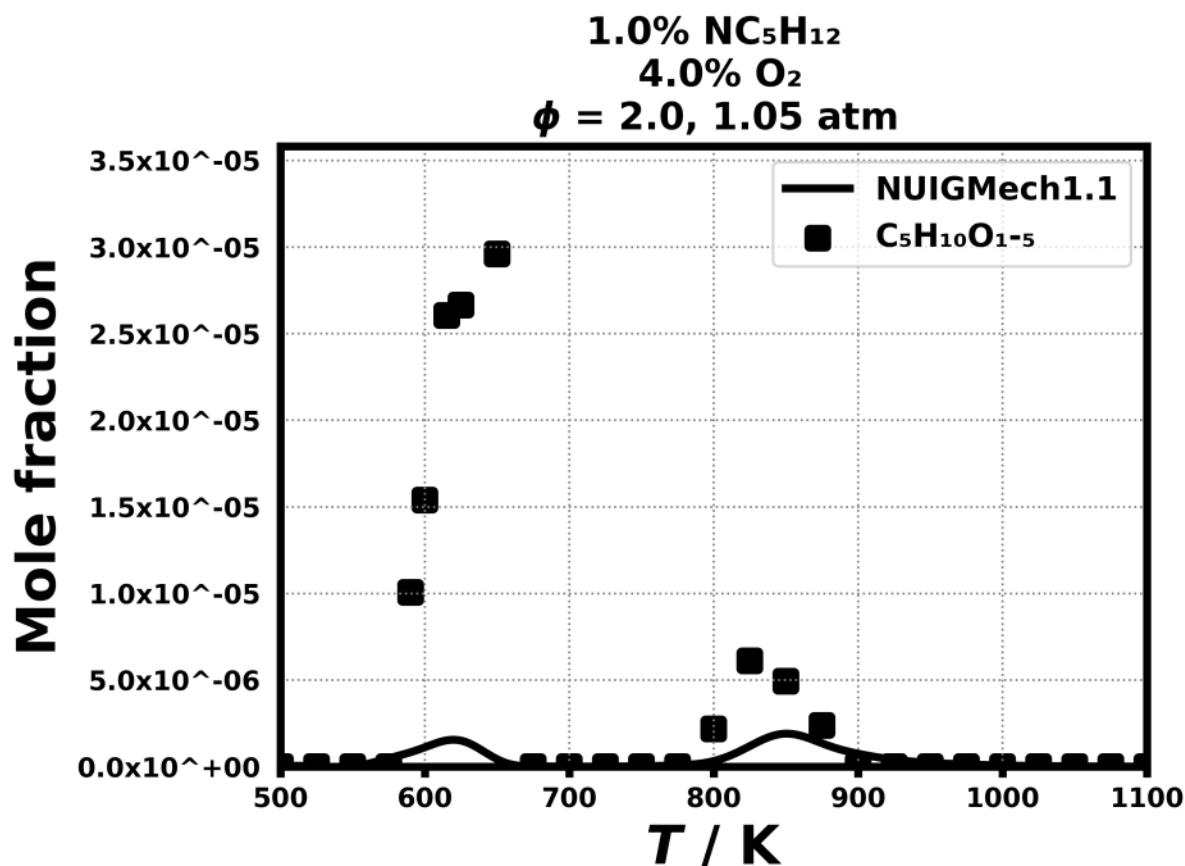


Figure 139: Dataset: 1.05_ATM_PHI_2.0

1.3.110 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

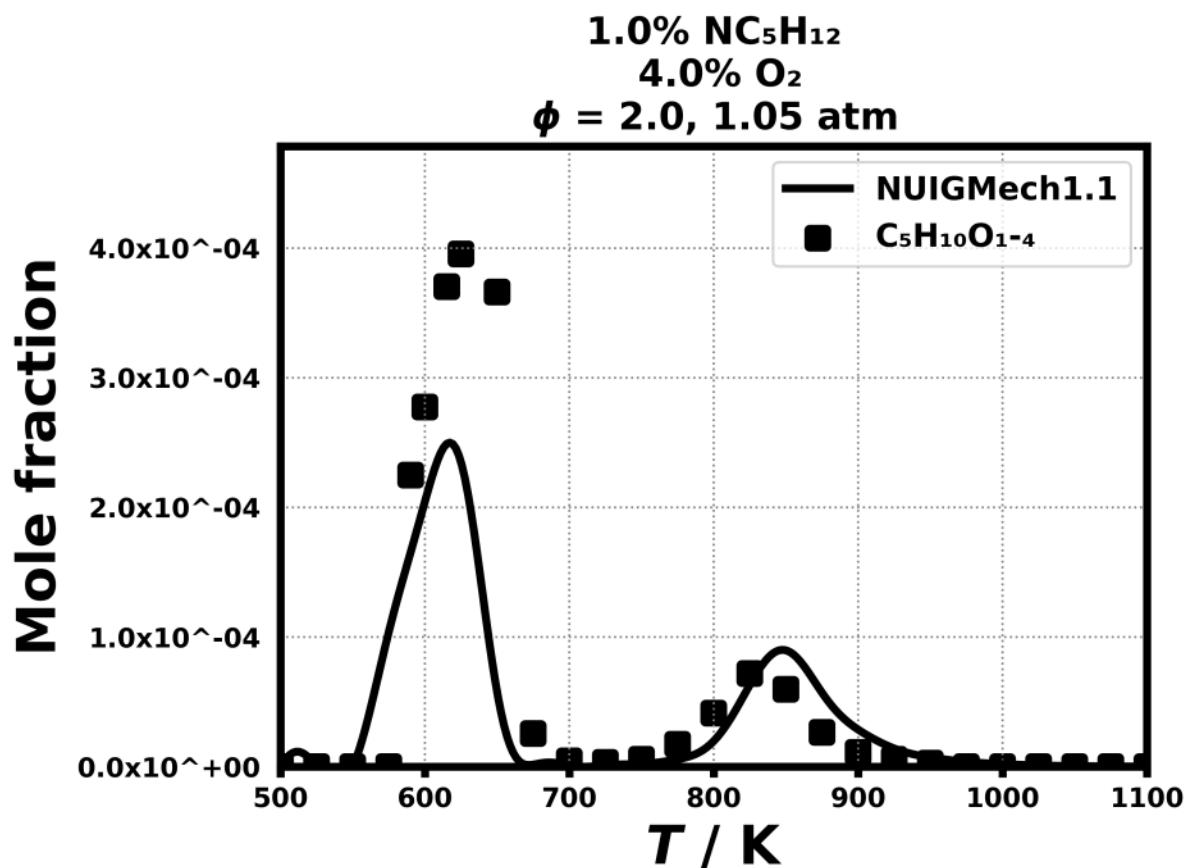


Figure 140: Dataset: 1.05_ATM_PHI_2.0

1.3.111 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

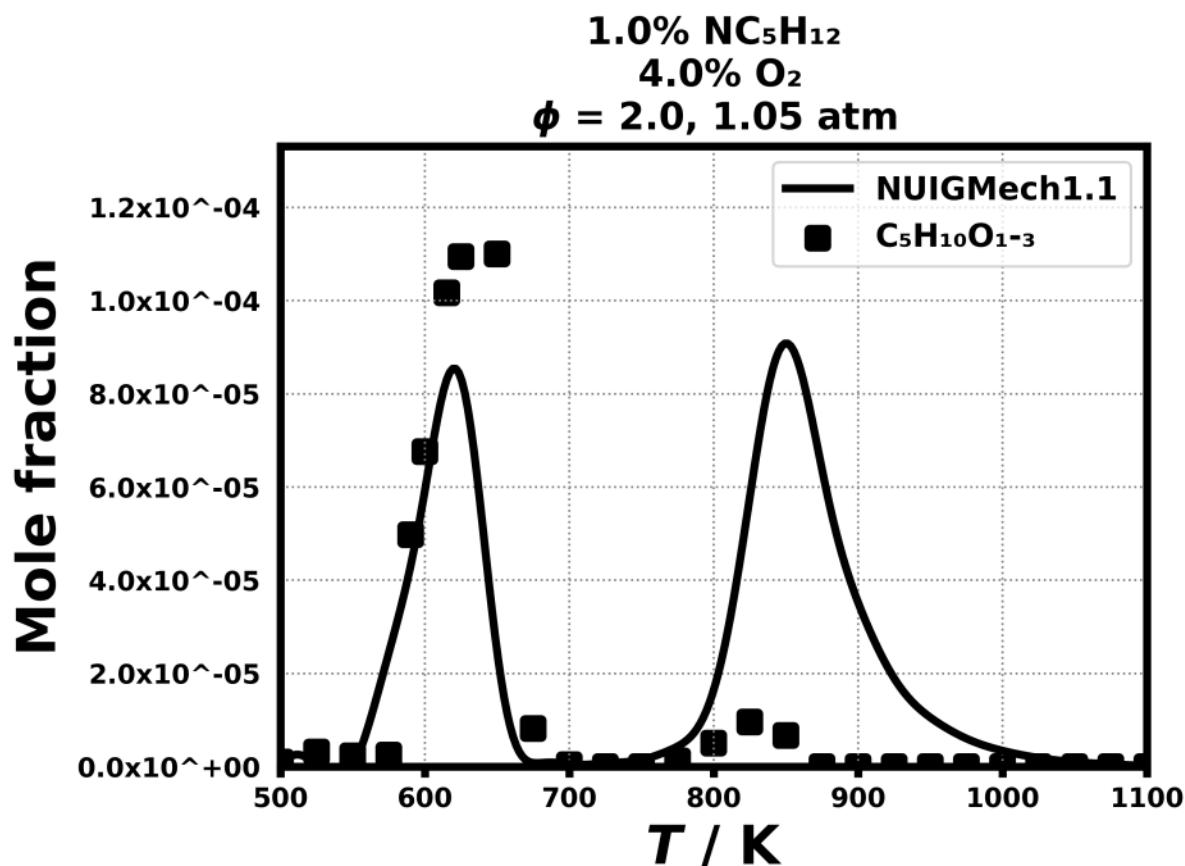


Figure 141: Dataset: 1.05_ATM_PHI_2.0

1.3.112 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

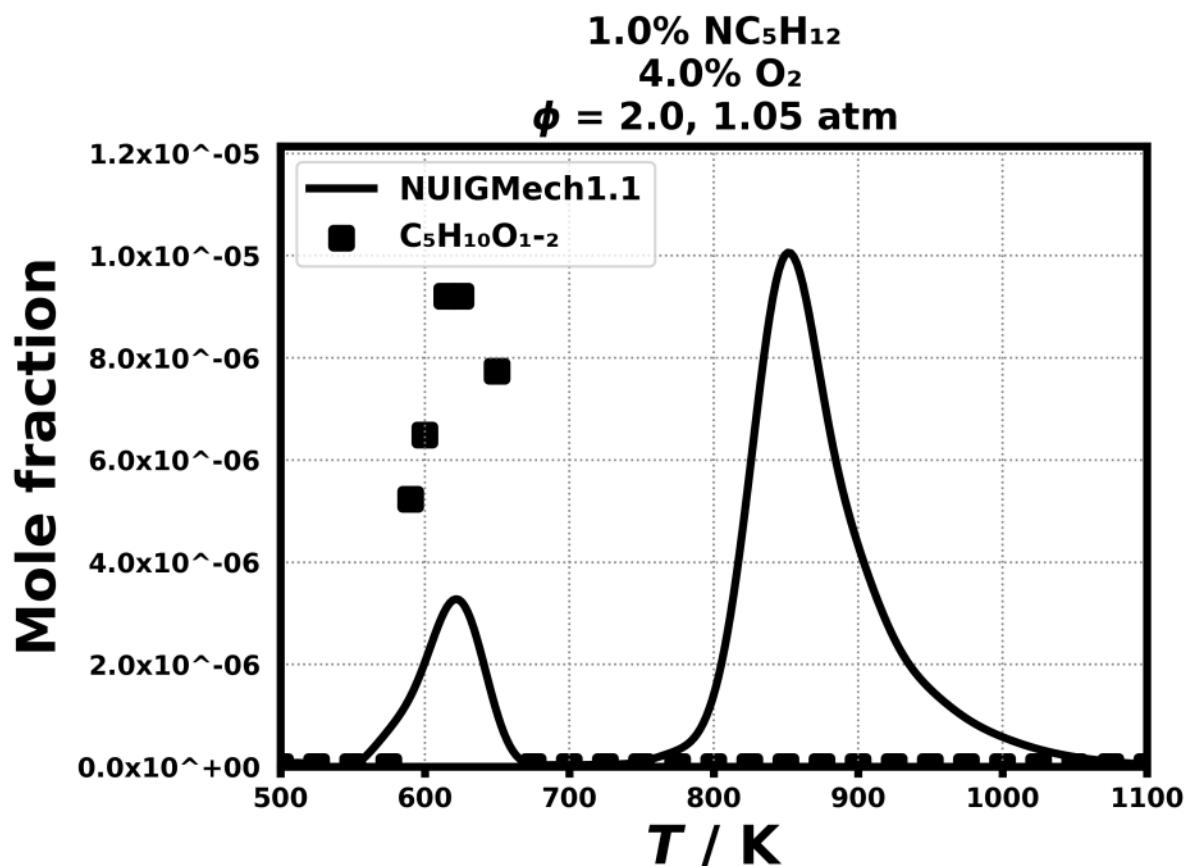


Figure 142: Dataset: 1.05_ATM_PHI_2.0

1.3.113 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

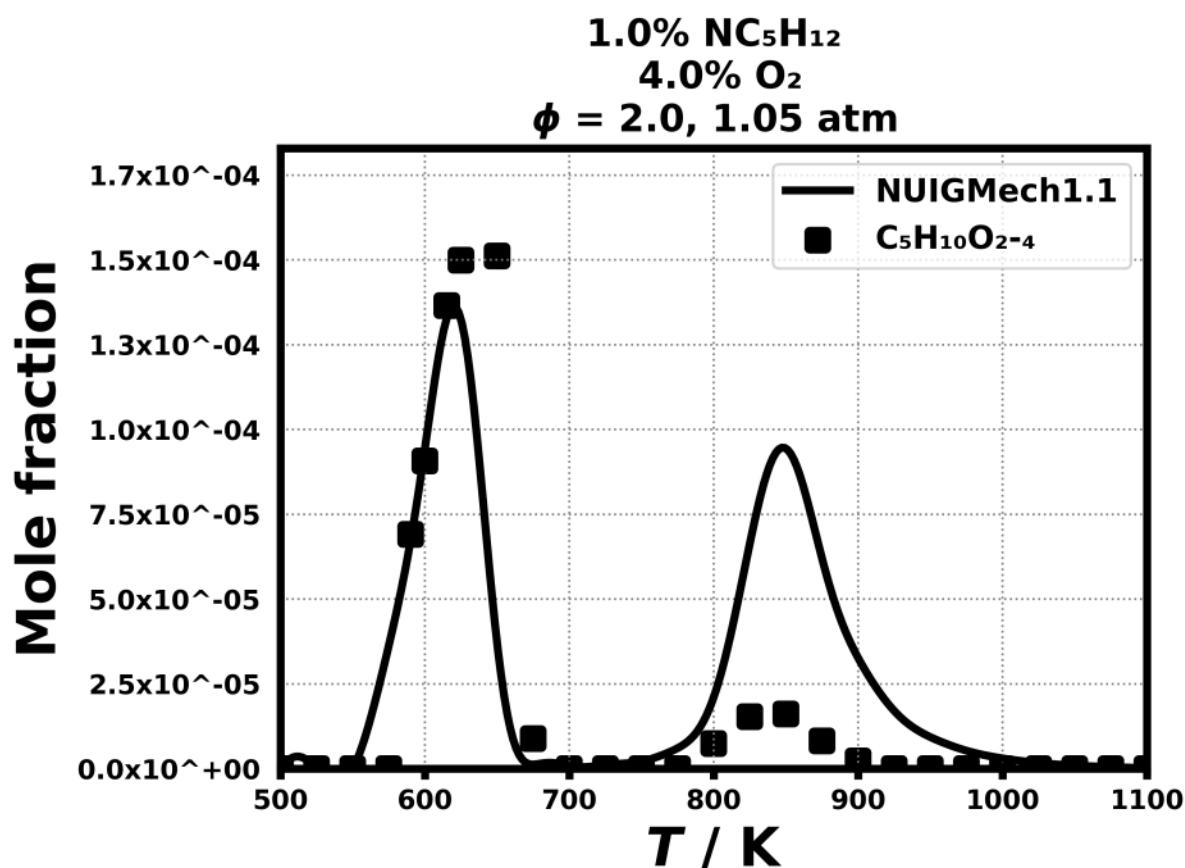


Figure 143: Dataset: 1.05_ATM_PHI_2.0

1.3.114 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

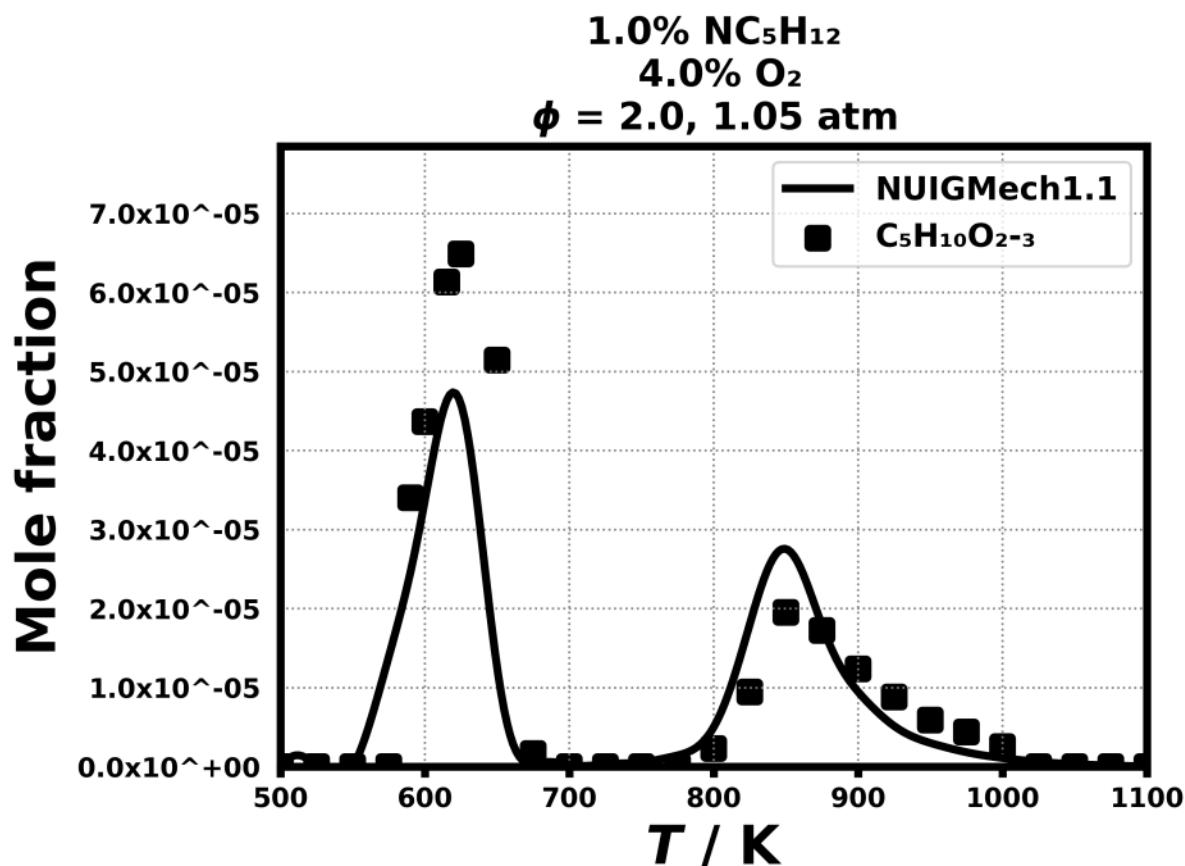


Figure 144: Dataset: 1.05_ATM_PHI_2.0

1.3.115 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

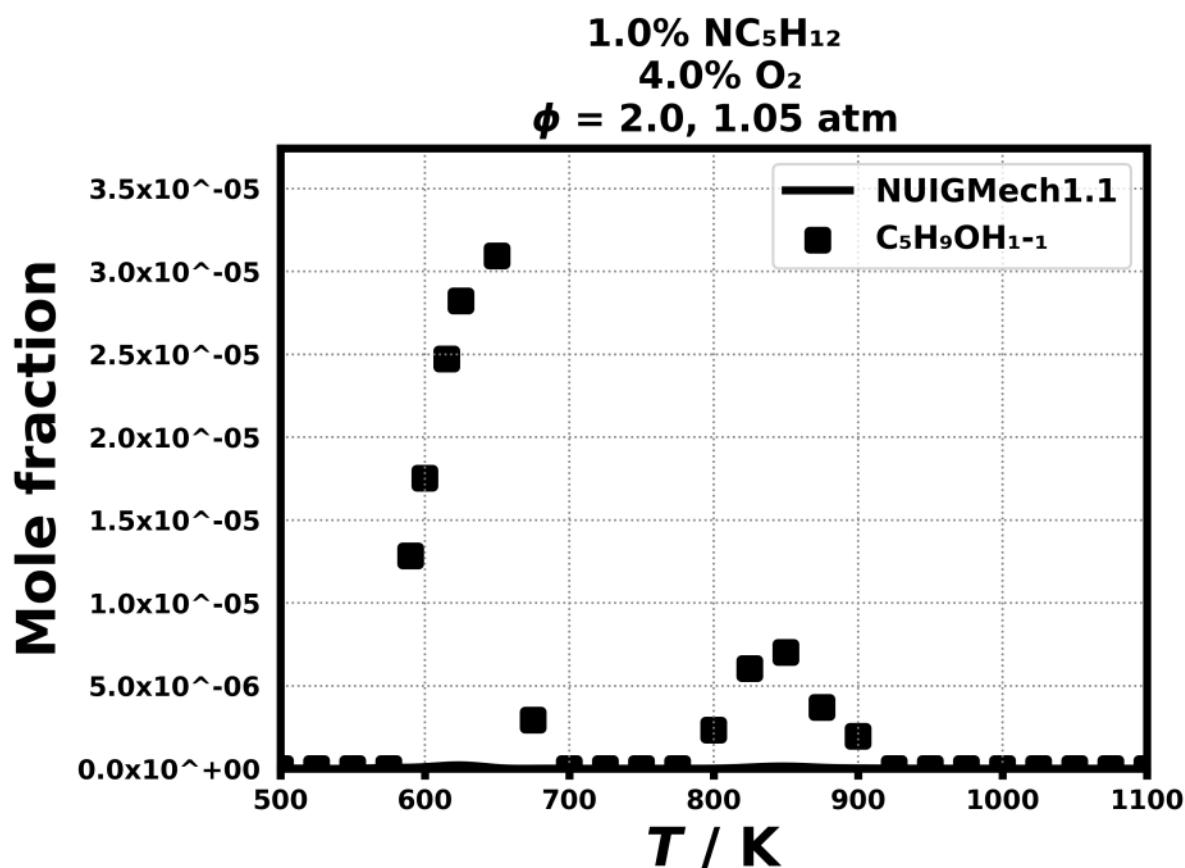


Figure 145: Dataset: 1.05_ATM_PHI_2.0

1.3.116 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

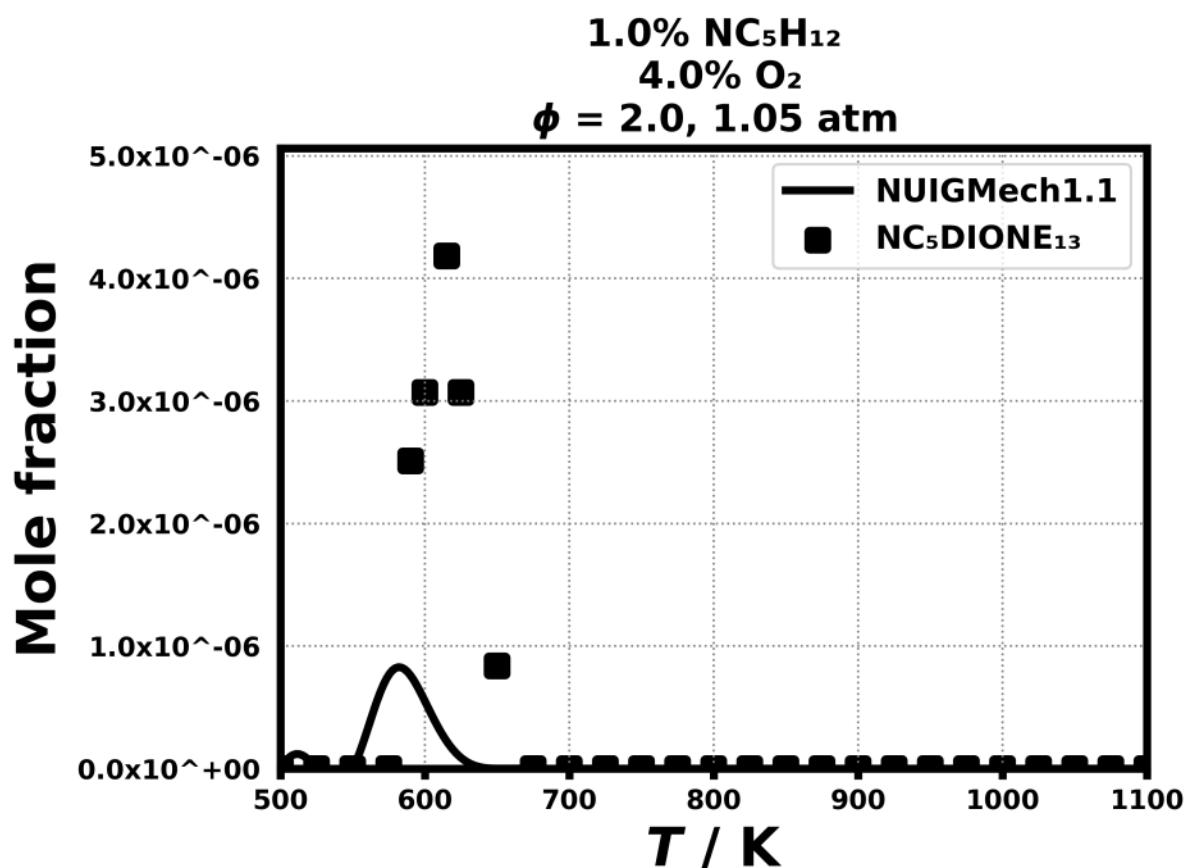


Figure 146: Dataset: 1.05_ATM_PHI_2.0

1.3.117 Case: n-C₅H₁₂/JSR/BUGLER/1.05_ATM_PHI_2.0

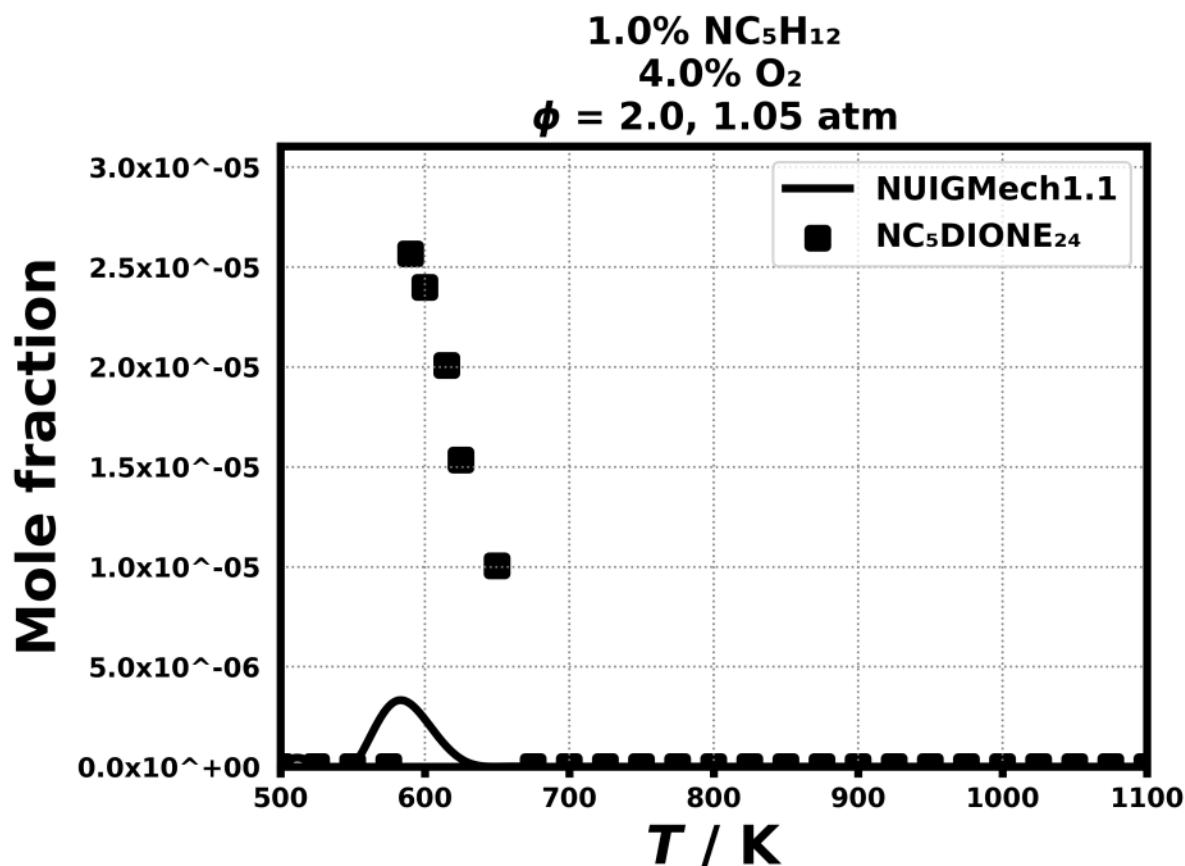


Figure 147: Dataset: 1.05_ATM_PHI_2.0

1.3.118 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

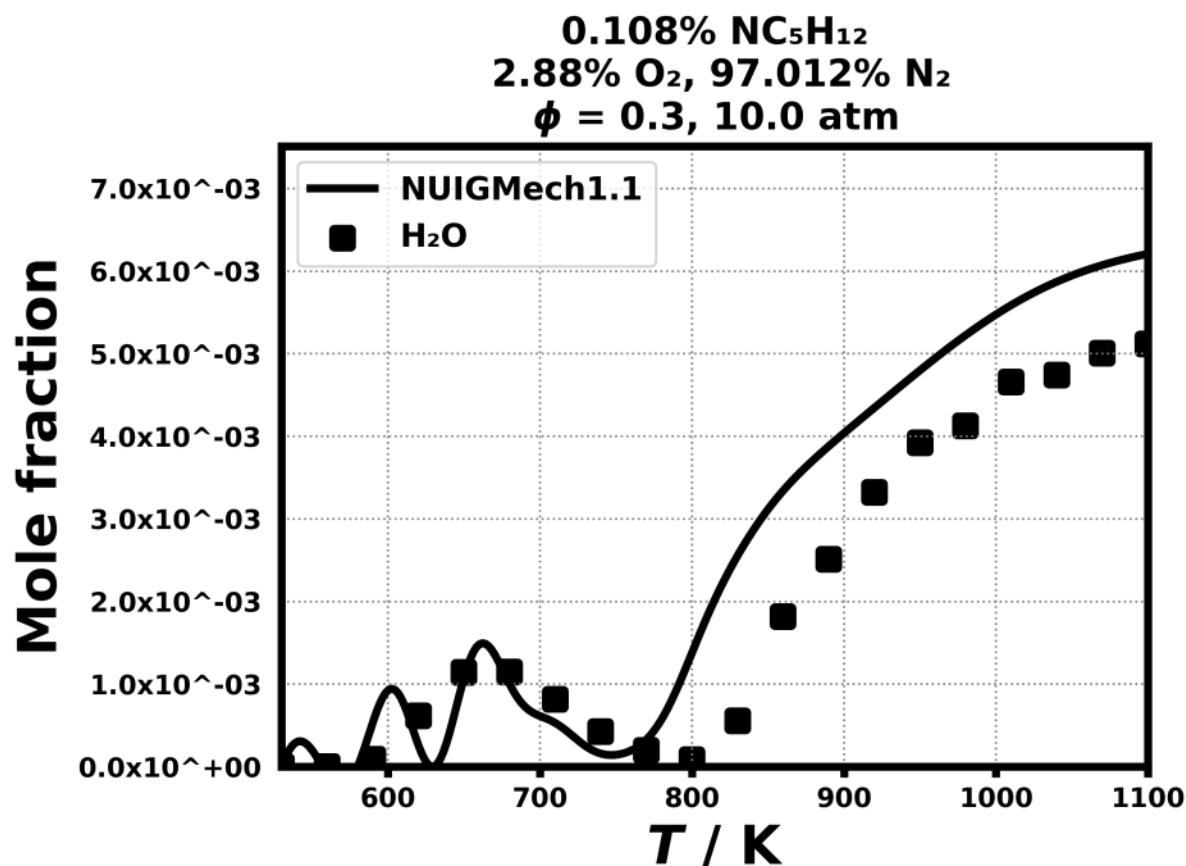


Figure 148: Dataset: 10_ATM_PHI_0.3

1.3.119 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

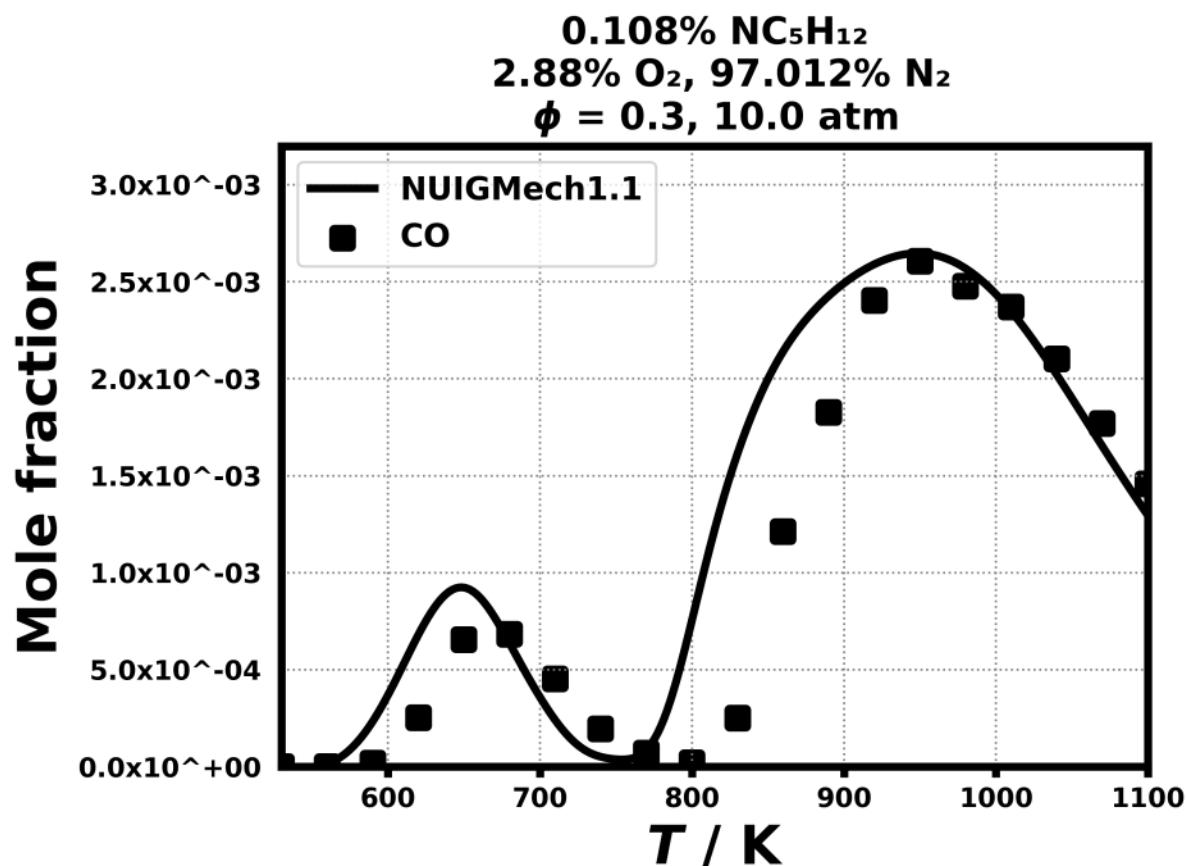


Figure 149: Dataset: 10_ATM_PHI_0.3

1.3.120 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

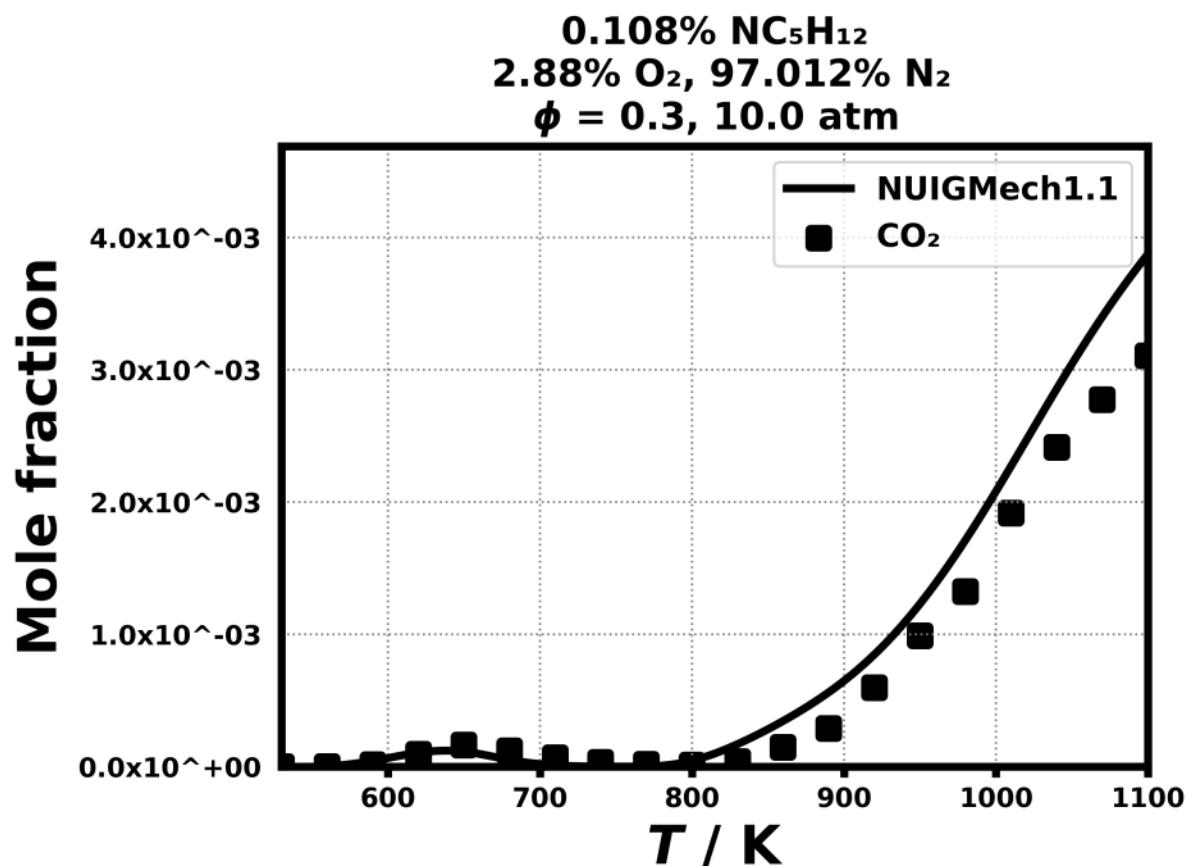


Figure 150: Dataset: 10_ATM_PHI_0.3

1.3.121 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

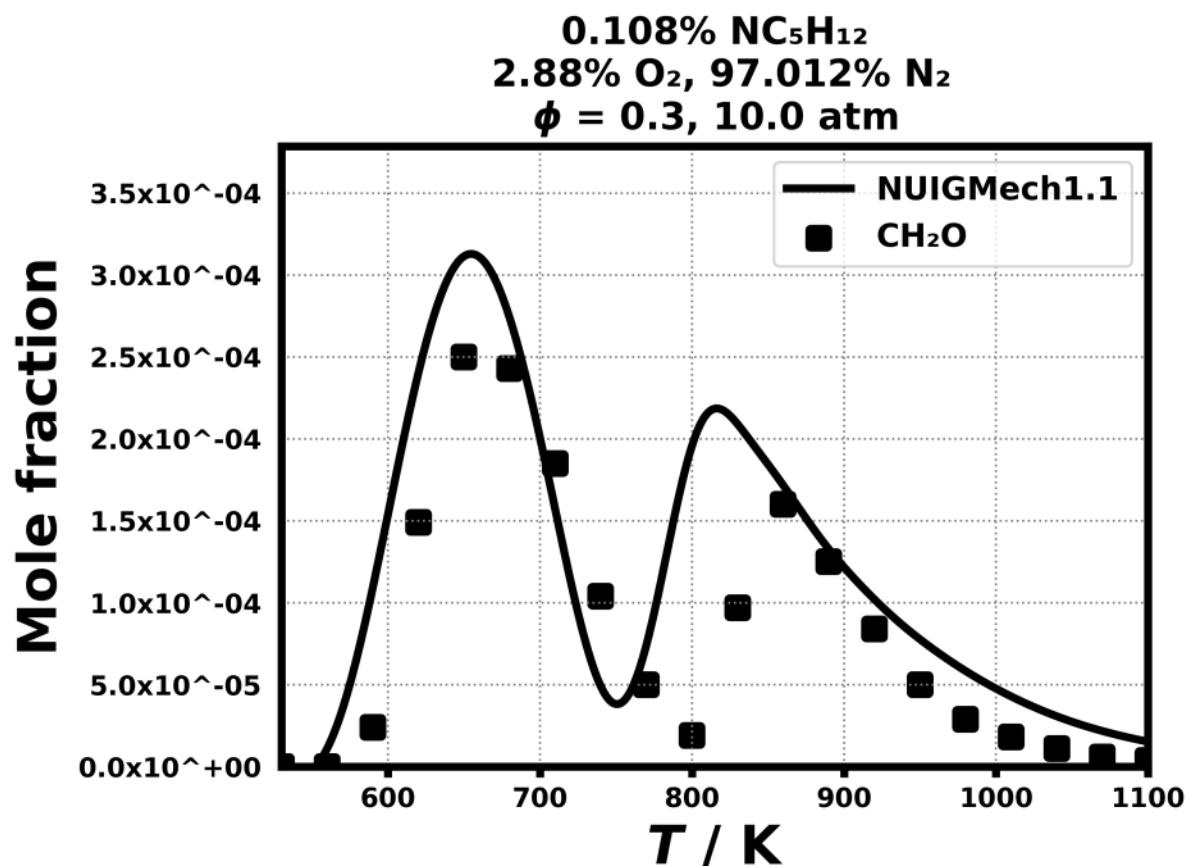


Figure 151: Dataset: 10_ATM_PHI_0.3

1.3.122 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

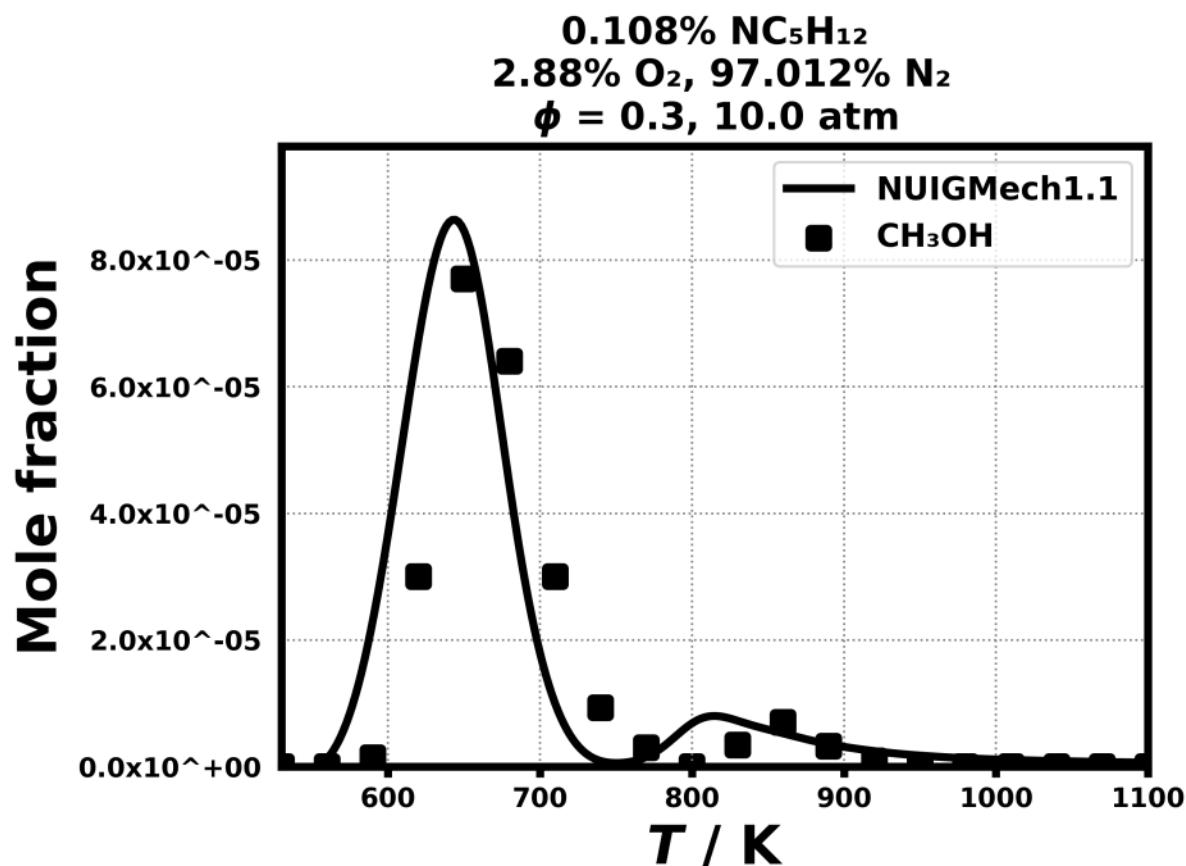


Figure 152: Dataset: 10_ATM_PHI_0.3

1.3.123 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

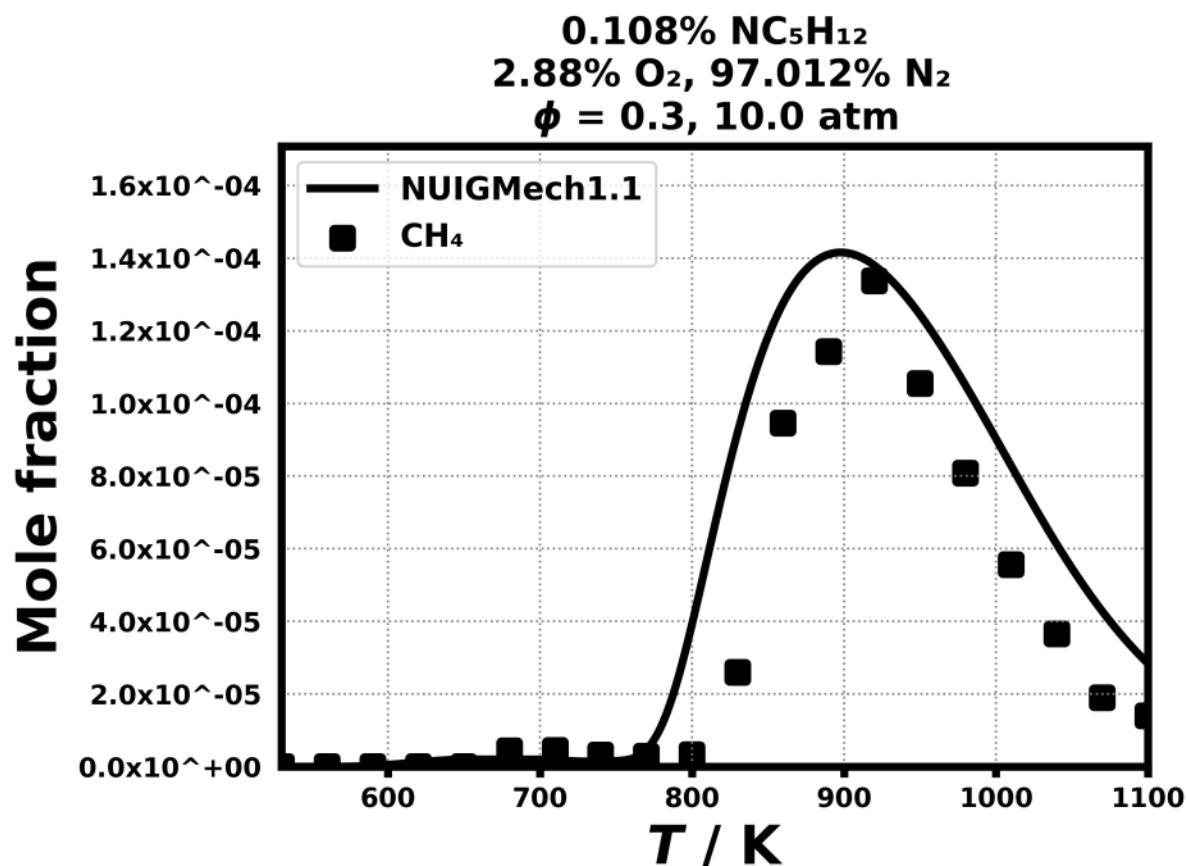


Figure 153: Dataset: 10_ATM_PHI_0.3

1.3.124 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

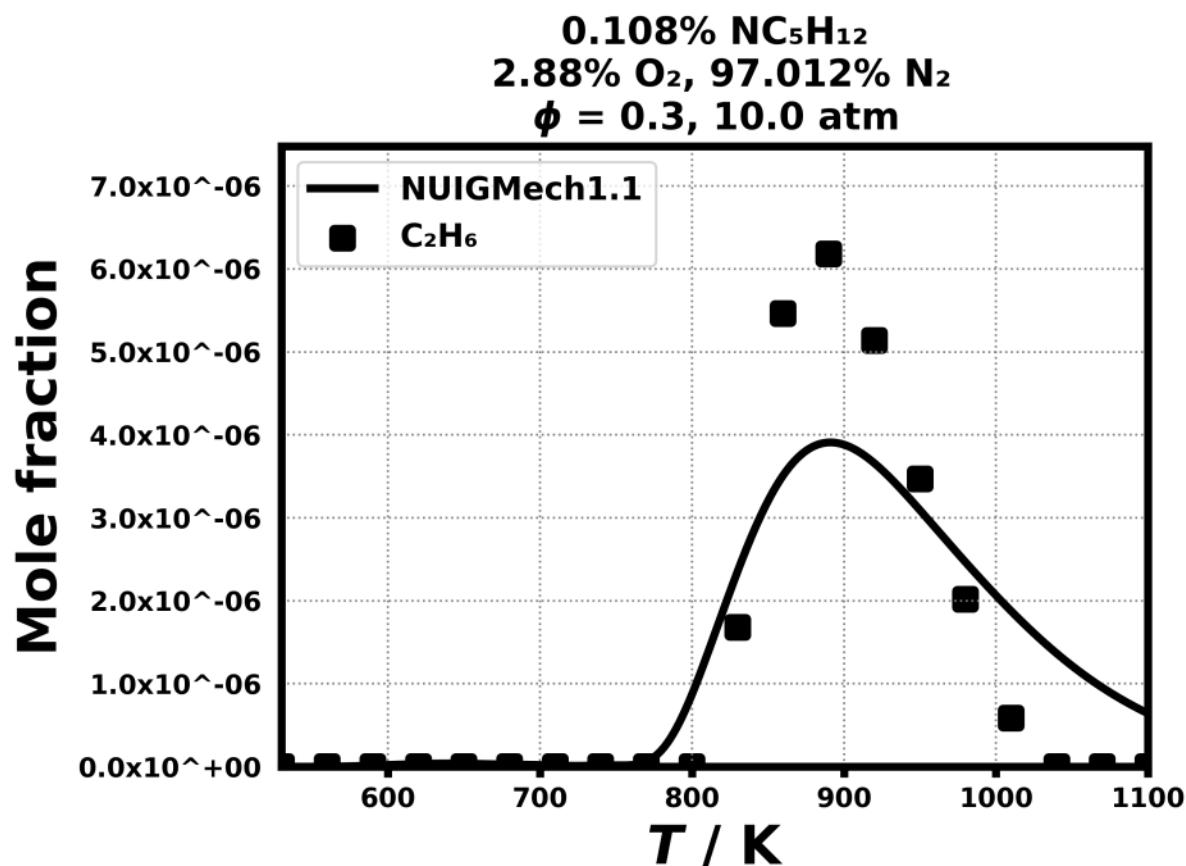


Figure 154: Dataset: 10_ATM_PHI_0.3

1.3.125 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

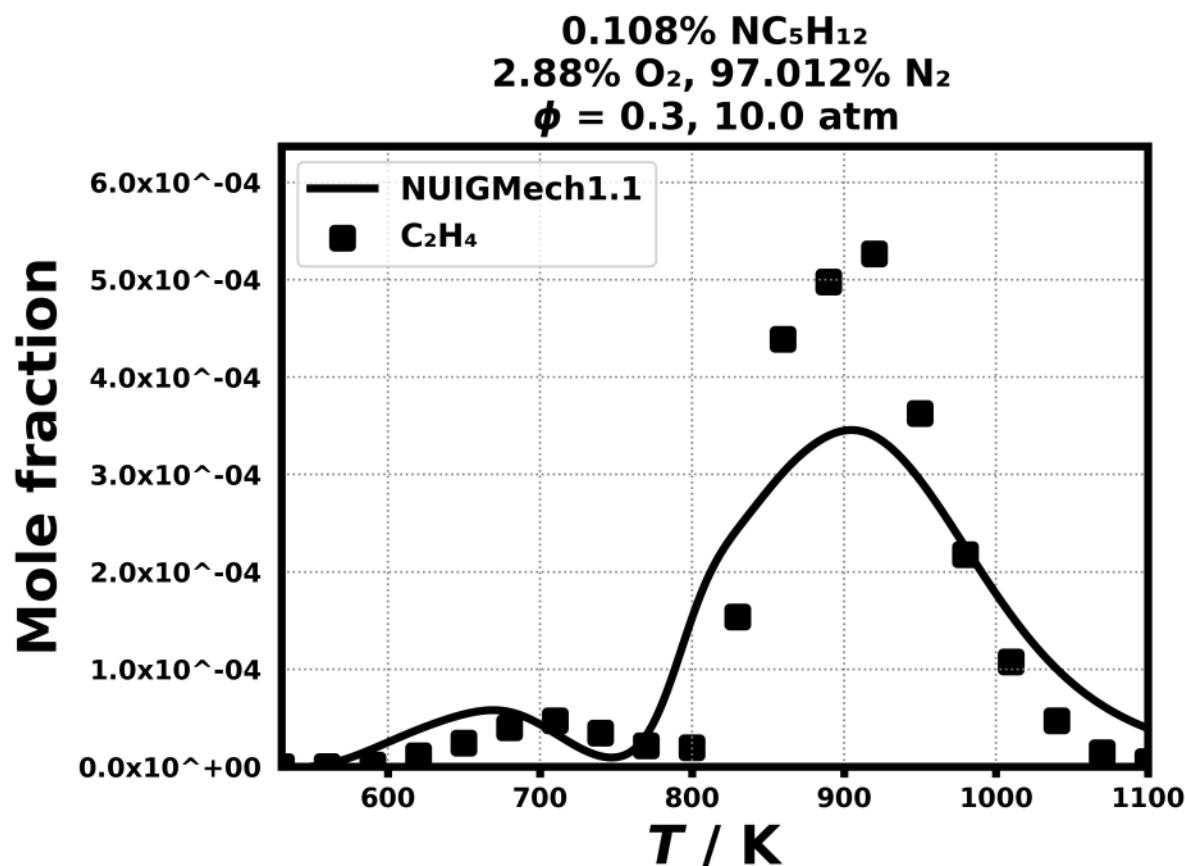


Figure 155: Dataset: 10_ATM_PHI_0.3

1.3.126 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

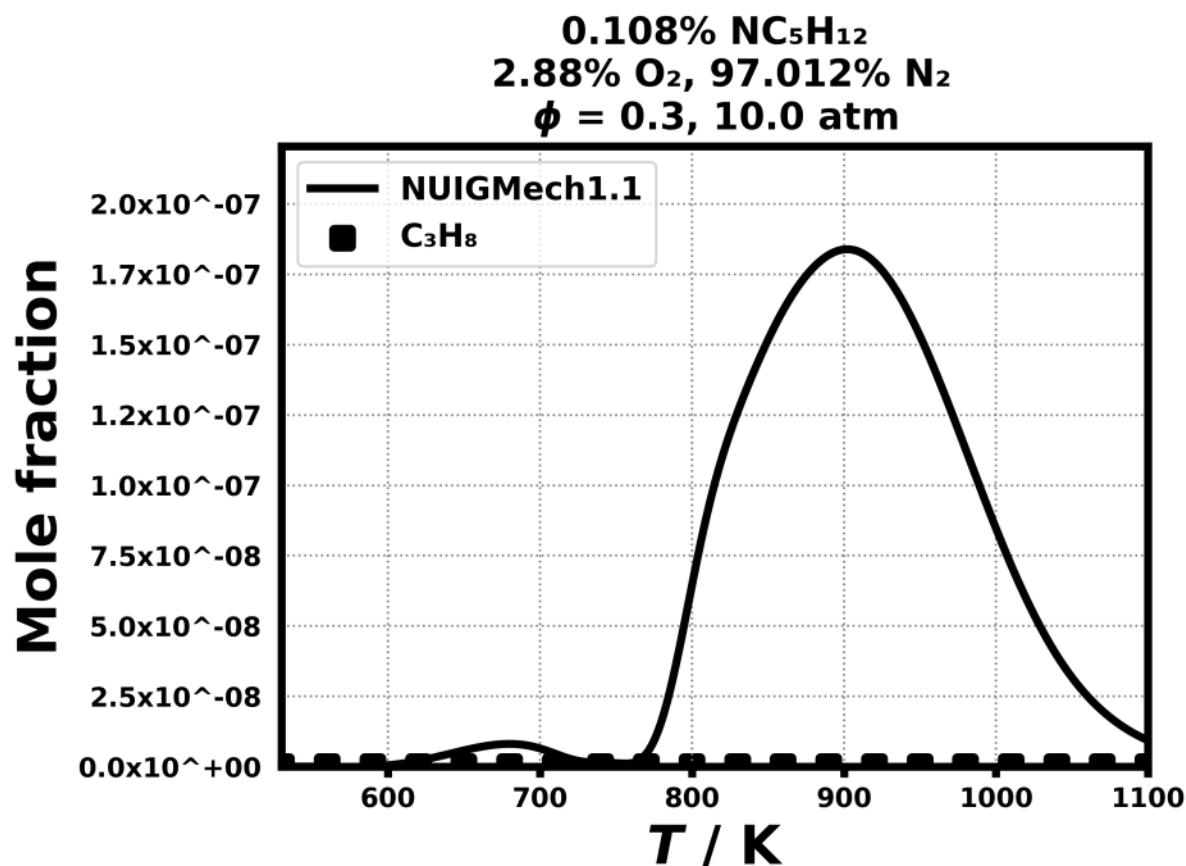


Figure 156: Dataset: 10_ATM_PHI_0.3

1.3.127 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

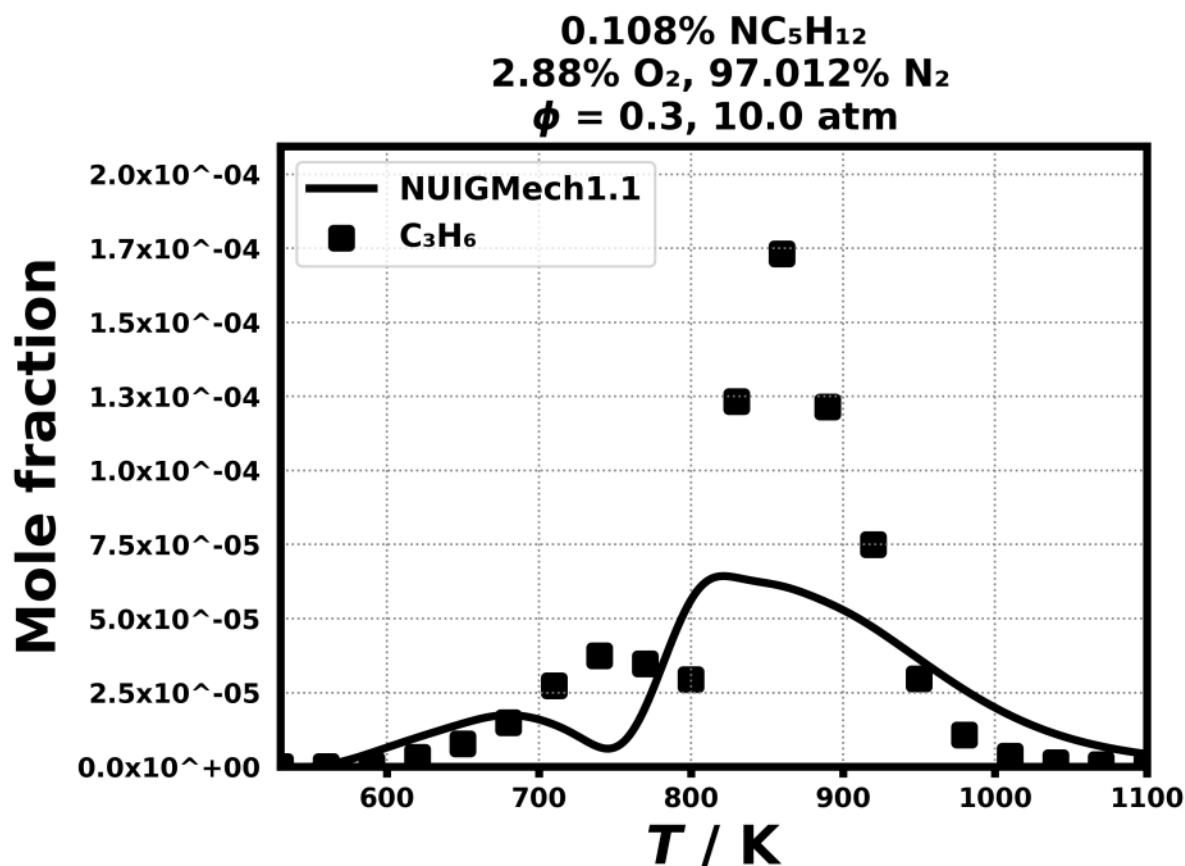


Figure 157: Dataset: 10_ATM_PHI_0.3

1.3.128 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

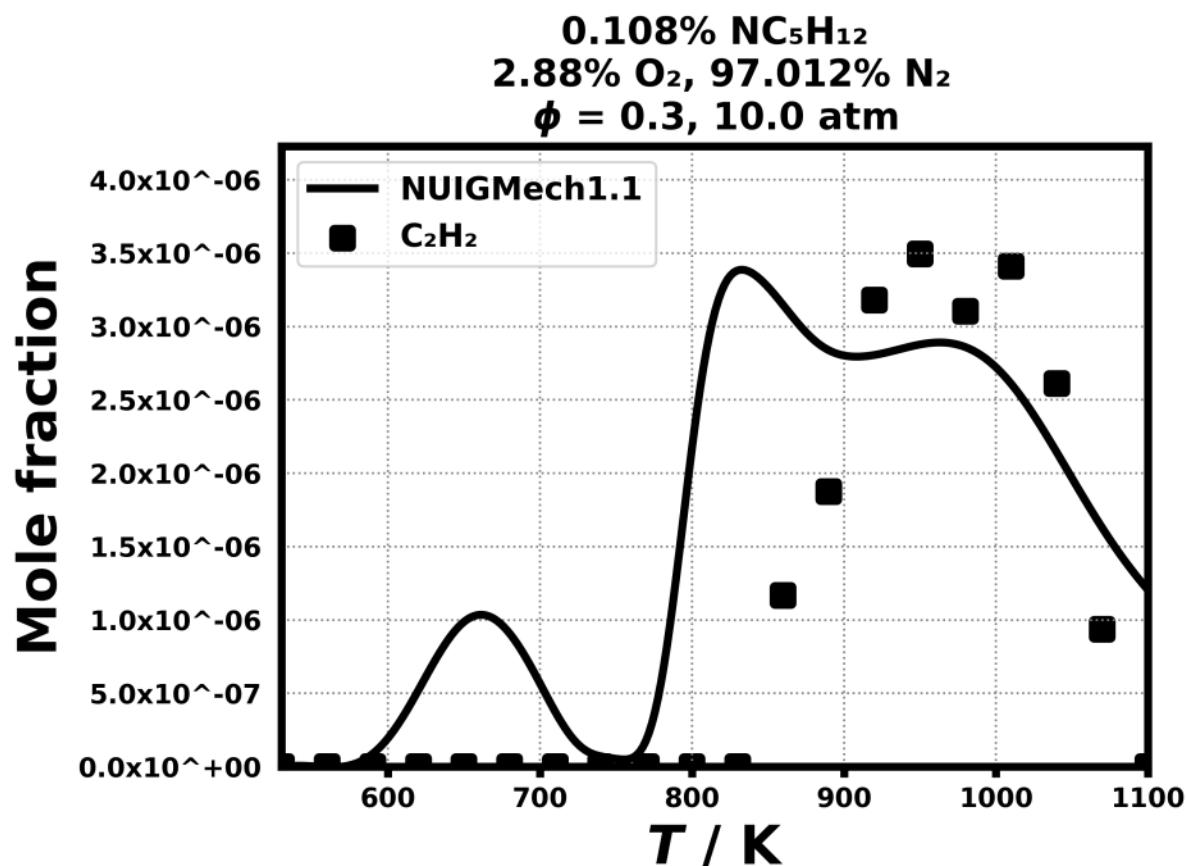


Figure 158: Dataset: 10_ATM_PHI_0.3

1.3.129 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

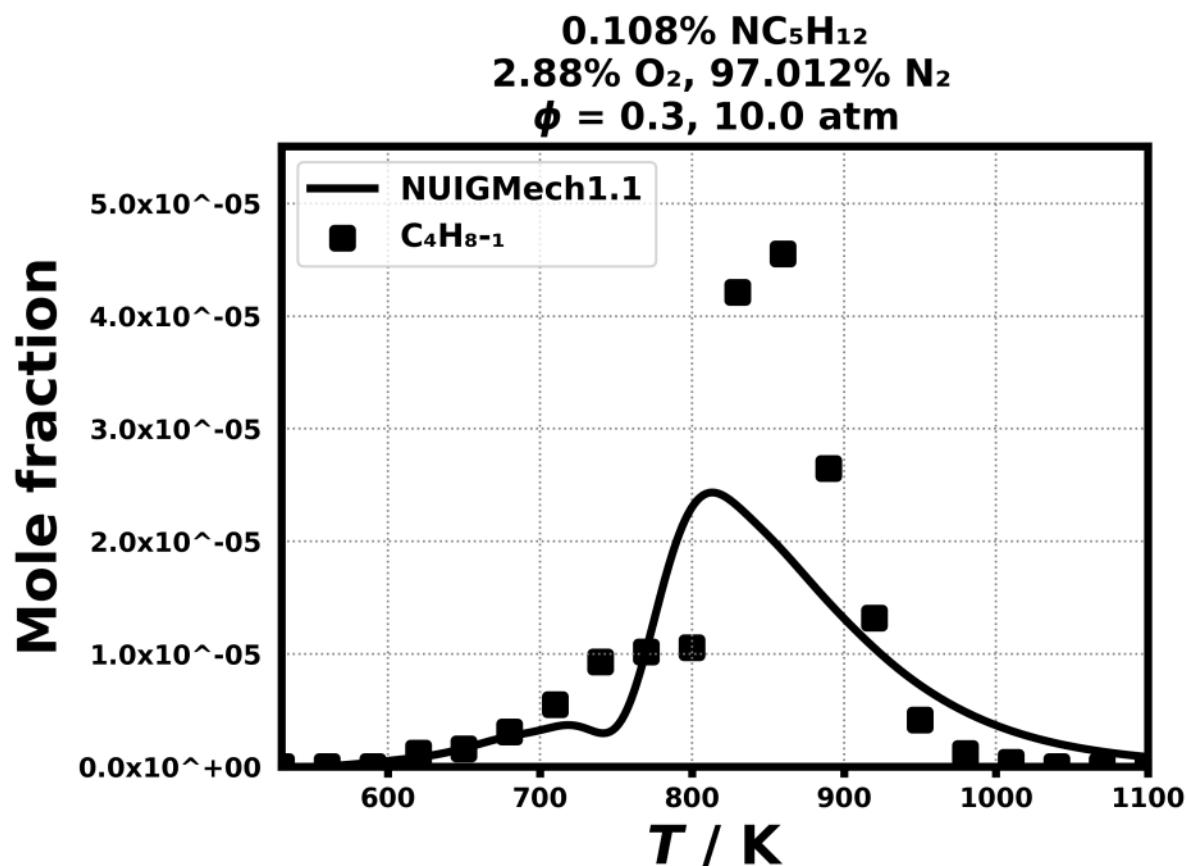


Figure 159: Dataset: 10_ATM_PHI_0.3

1.3.130 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

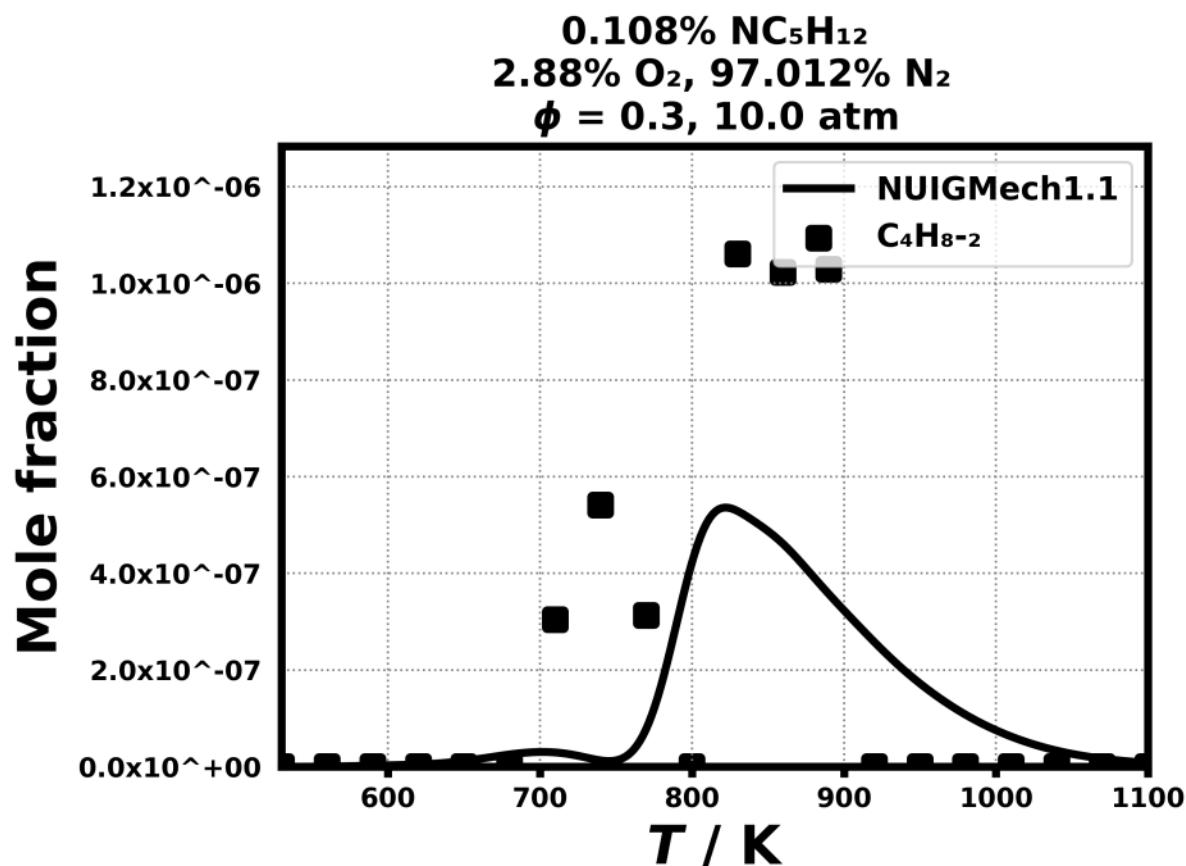


Figure 160: Dataset: 10_ATM_PHI_0.3

1.3.131 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

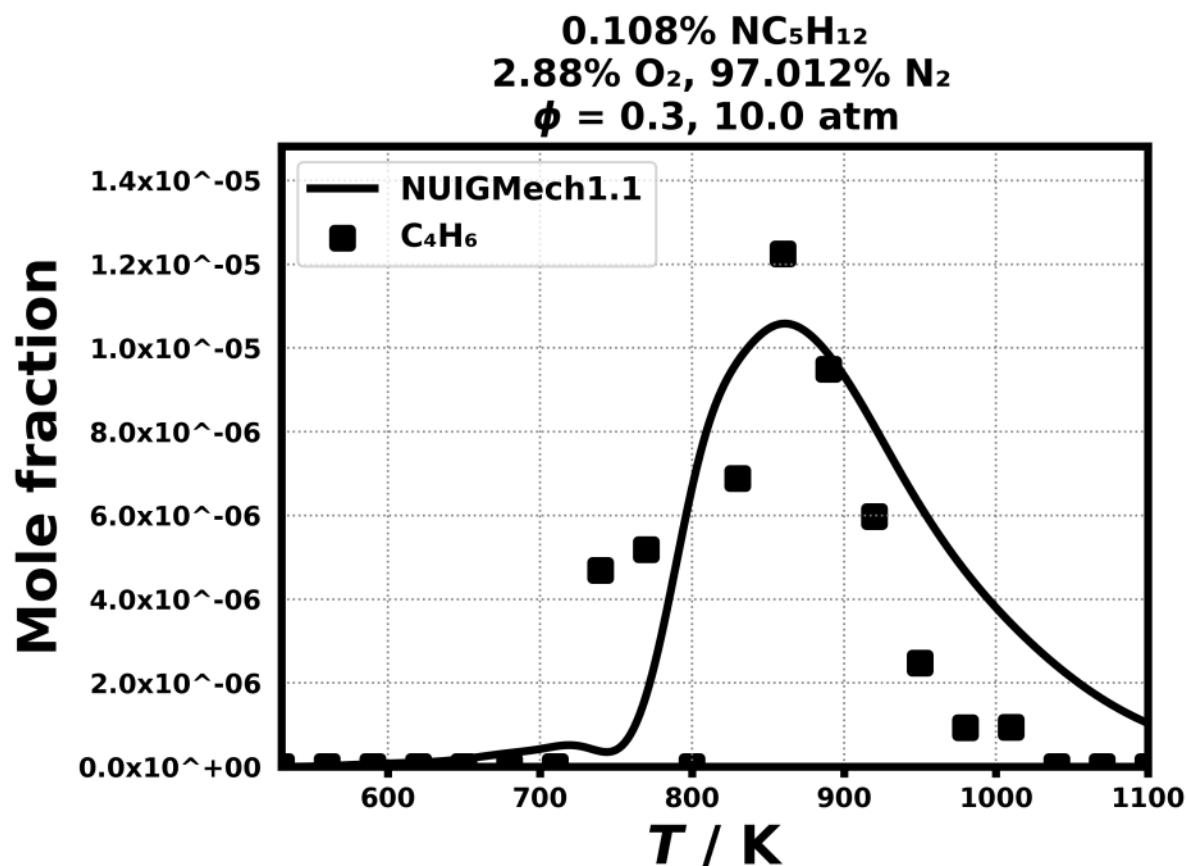


Figure 161: Dataset: 10_ATM_PHI_0.3

1.3.132 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

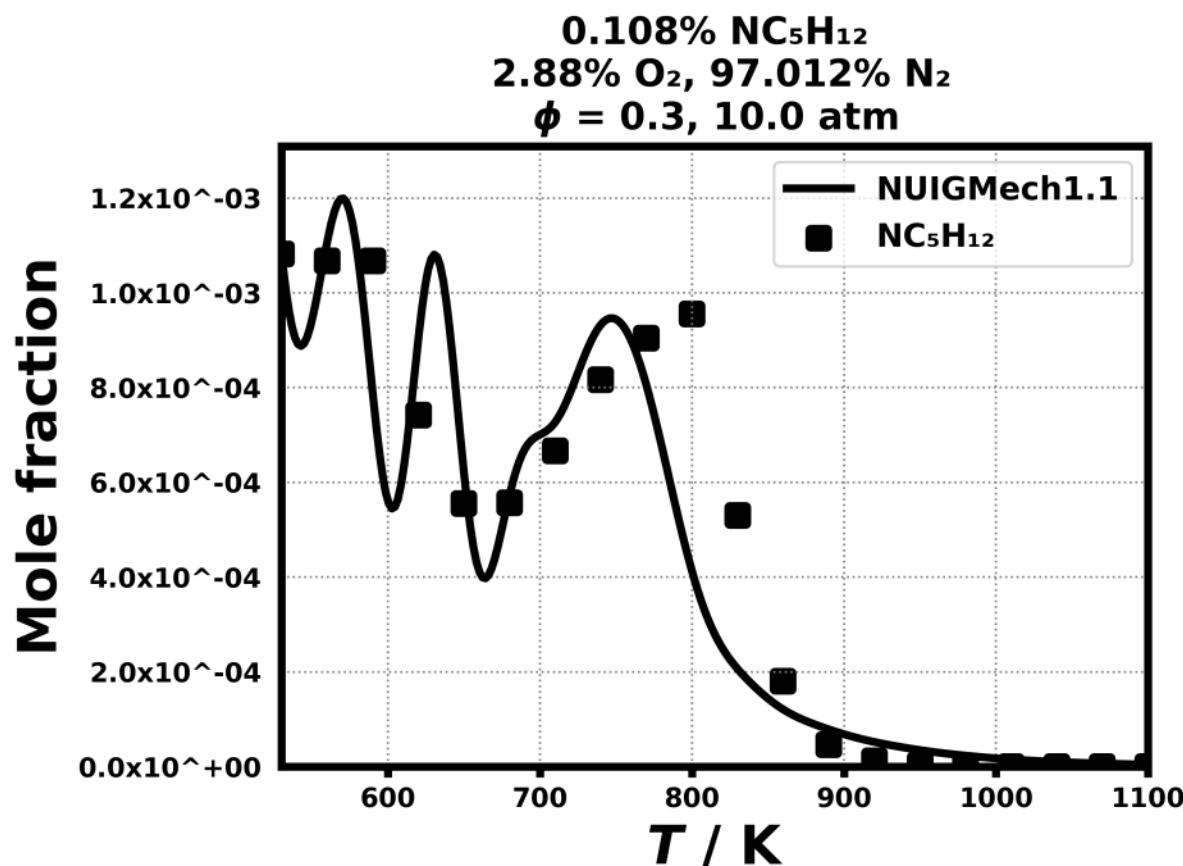


Figure 162: Dataset: 10_ATM_PHI_0.3

1.3.133 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

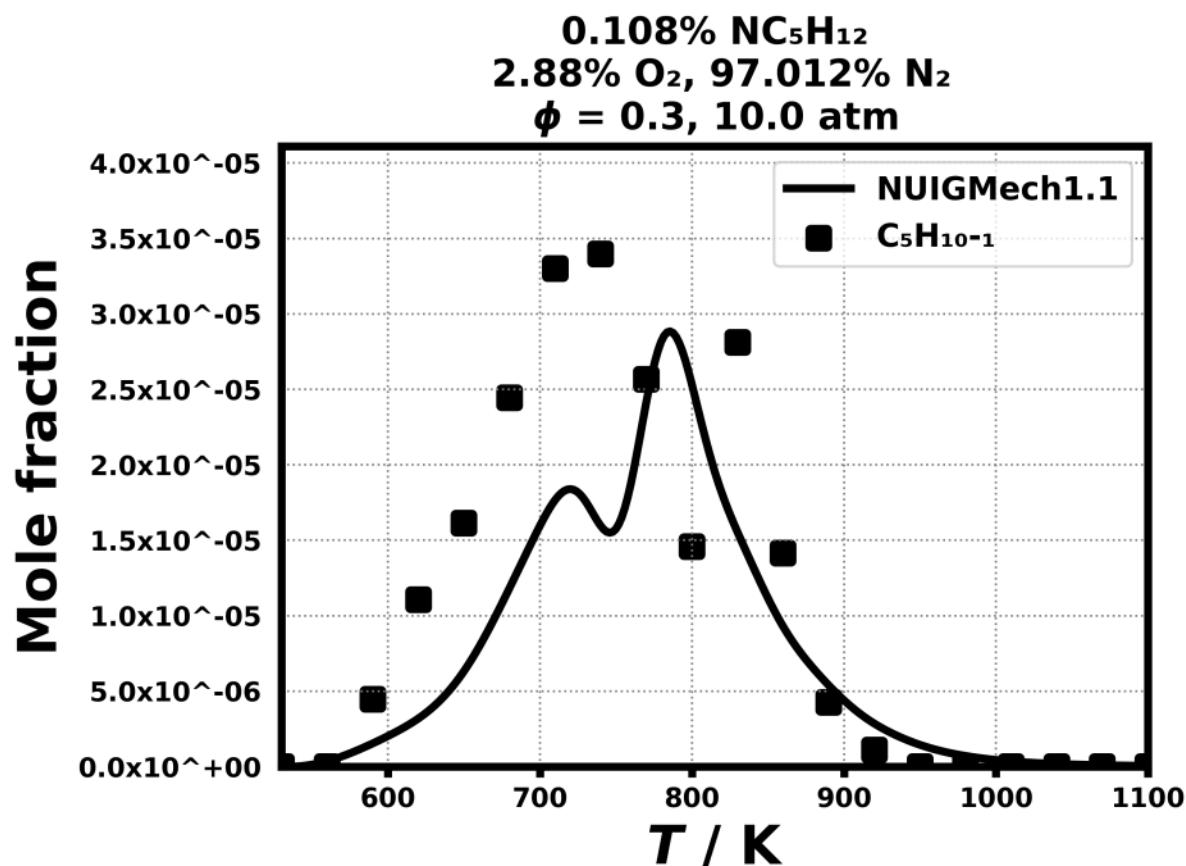


Figure 163: Dataset: 10_ATM_PHI_0.3

1.3.134 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

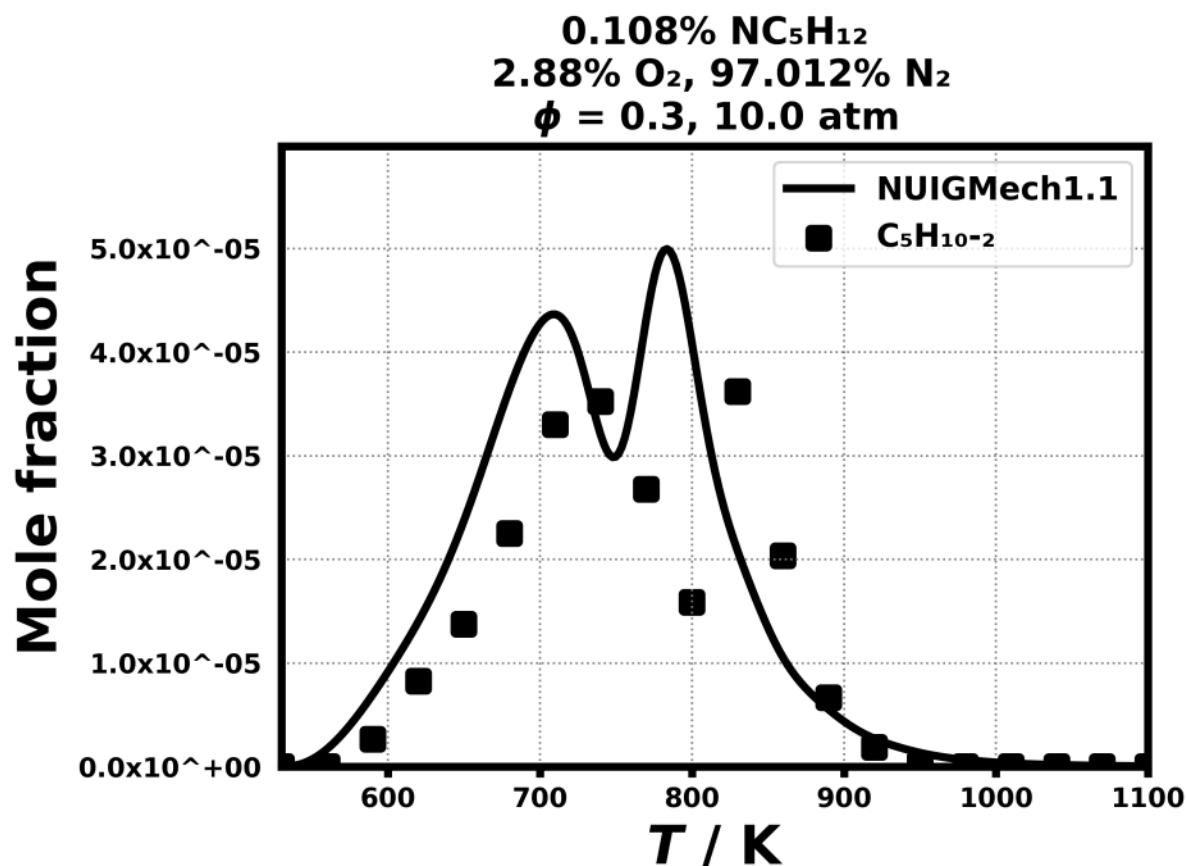


Figure 164: Dataset: 10_ATM_PHI_0.3

1.3.135 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

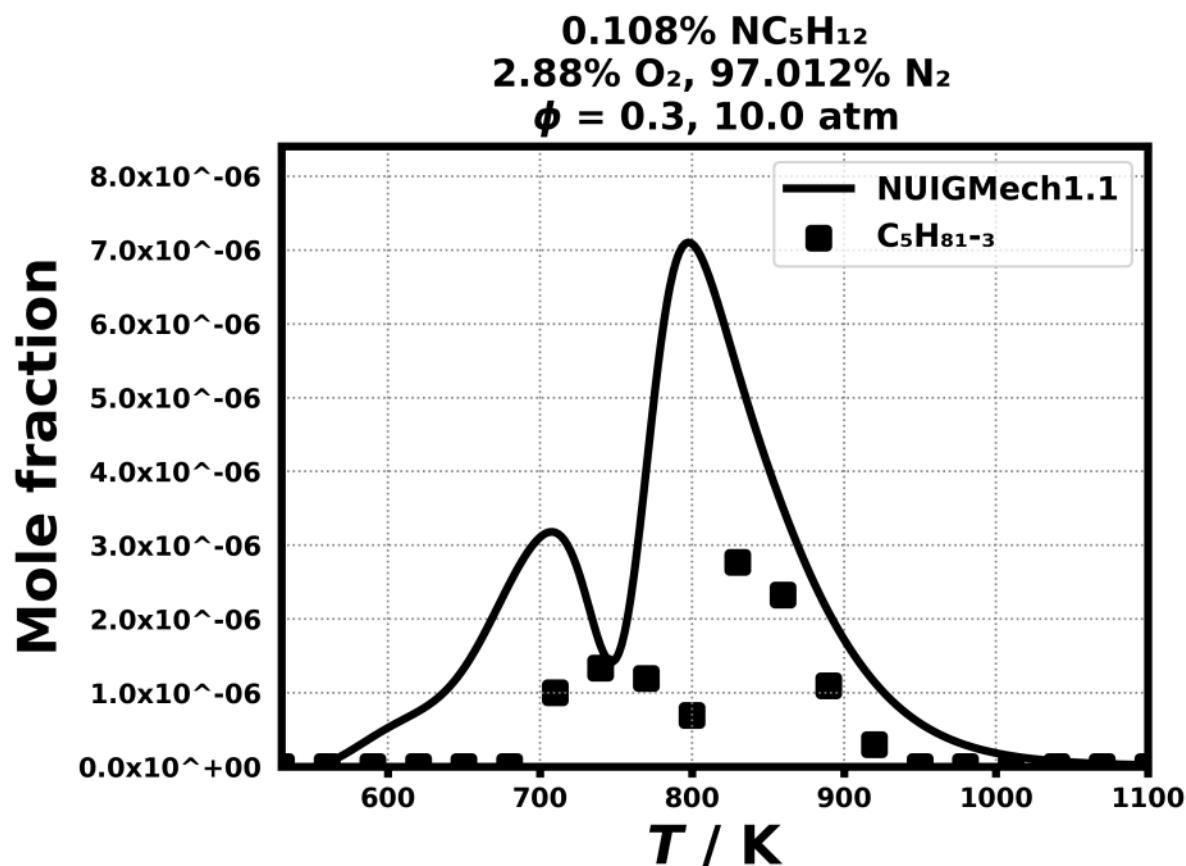


Figure 165: Dataset: 10_ATM_PHI_0.3

1.3.136 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

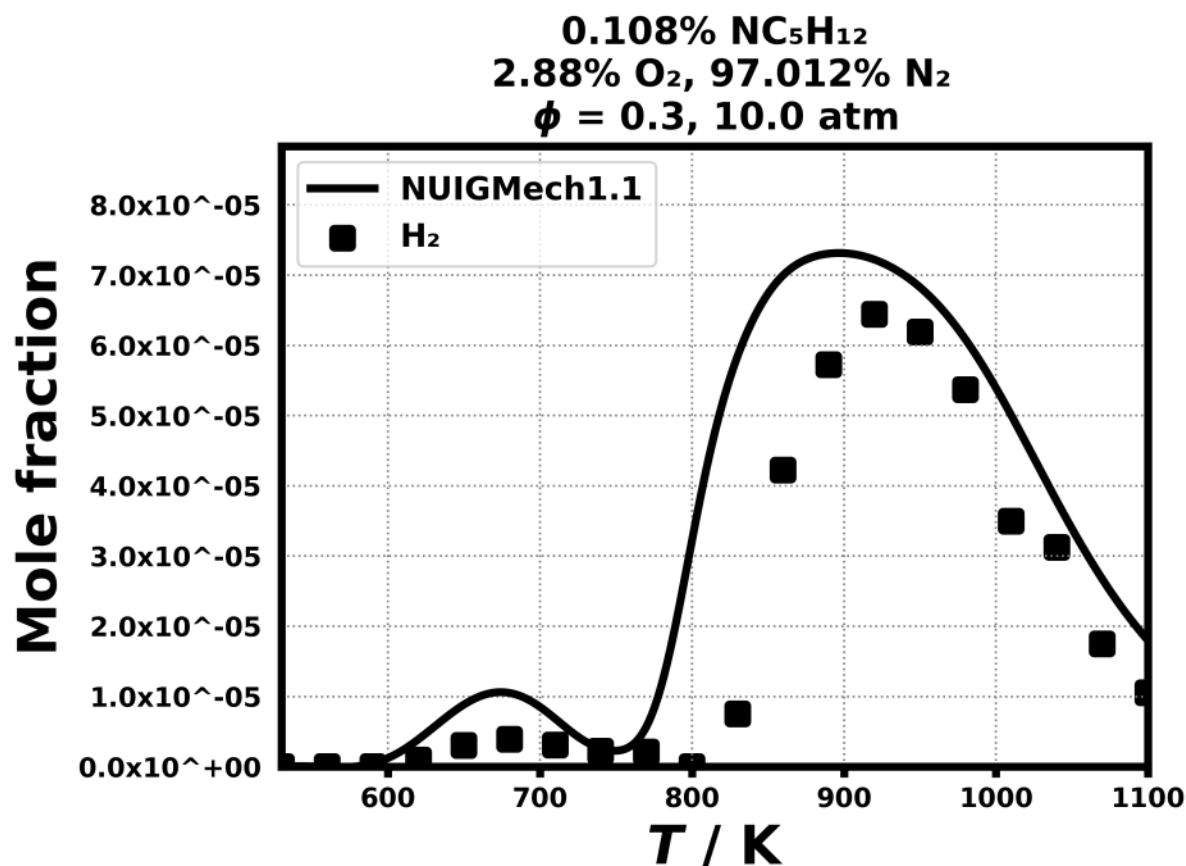


Figure 166: Dataset: 10_ATM_PHI_0.3

1.3.137 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

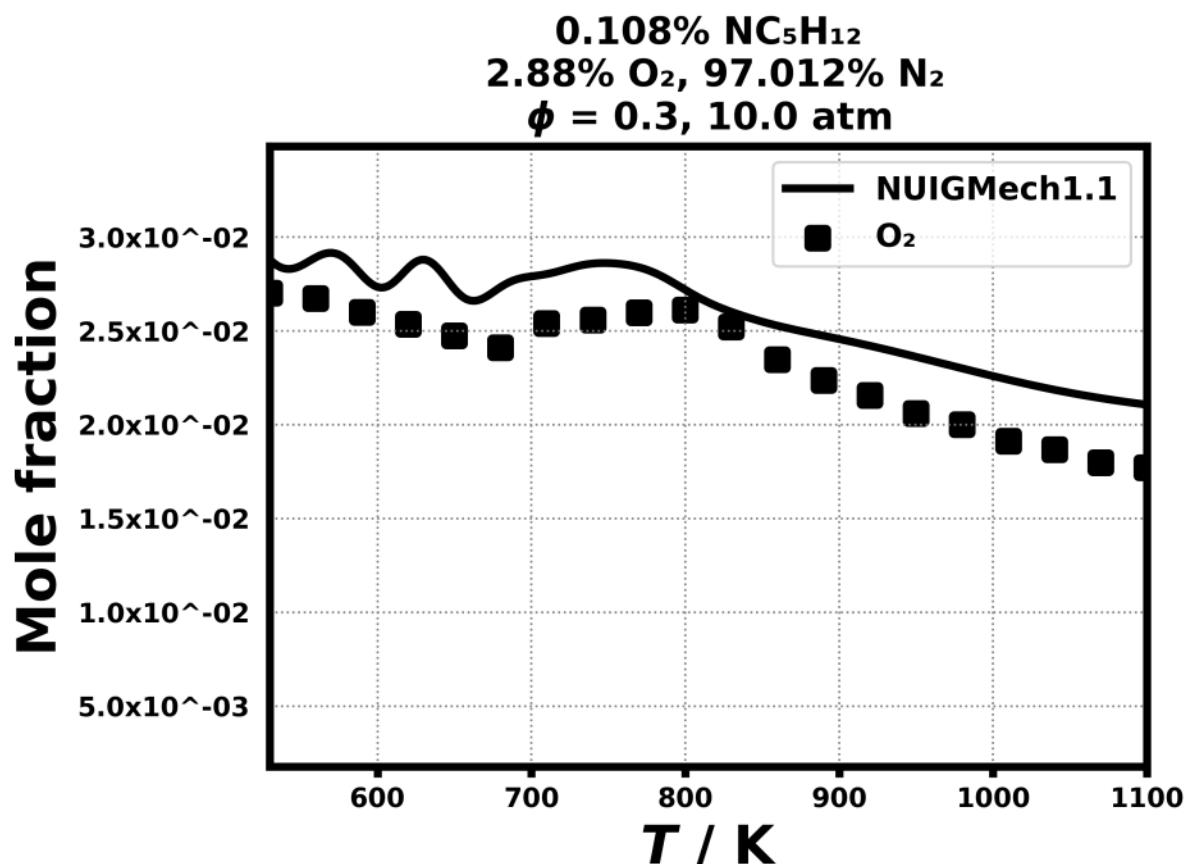


Figure 167: Dataset: 10_ATM_PHI_0.3

1.3.138 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

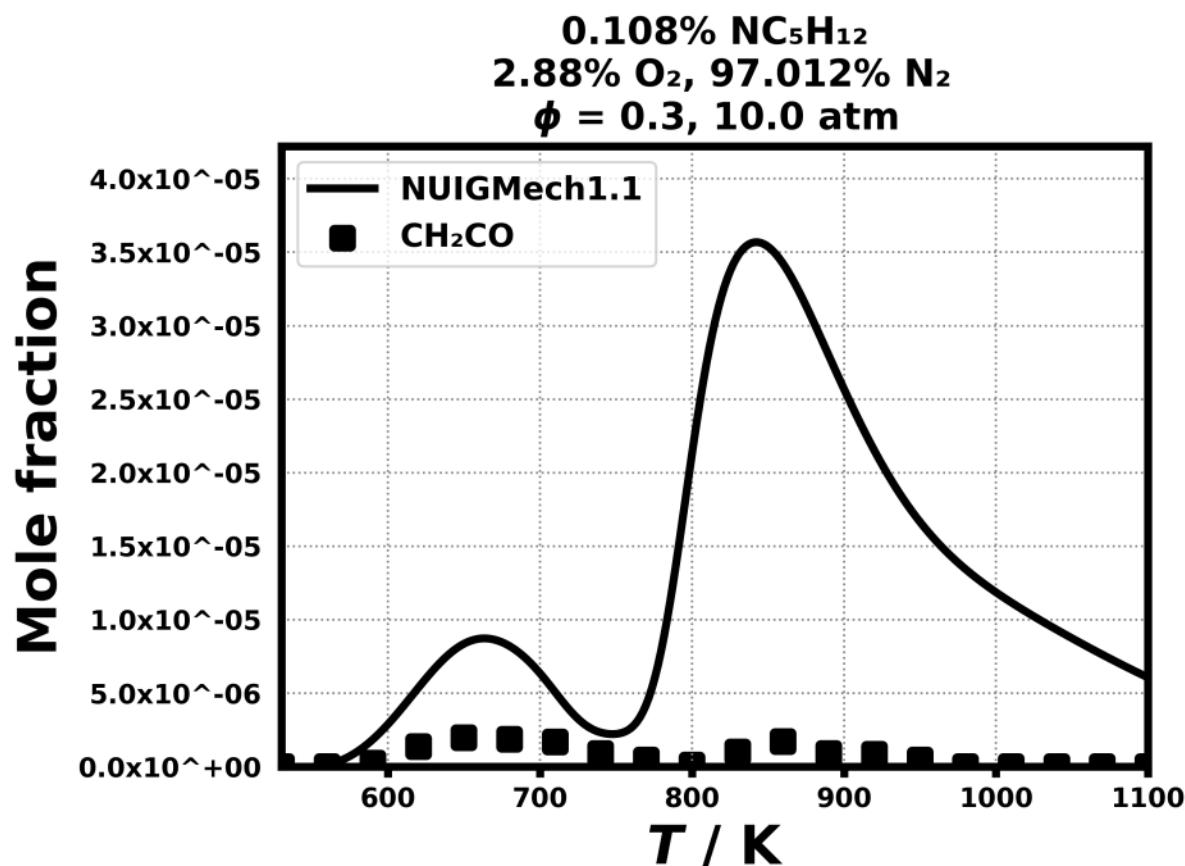


Figure 168: Dataset: 10_ATM_PHI_0.3

1.3.139 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

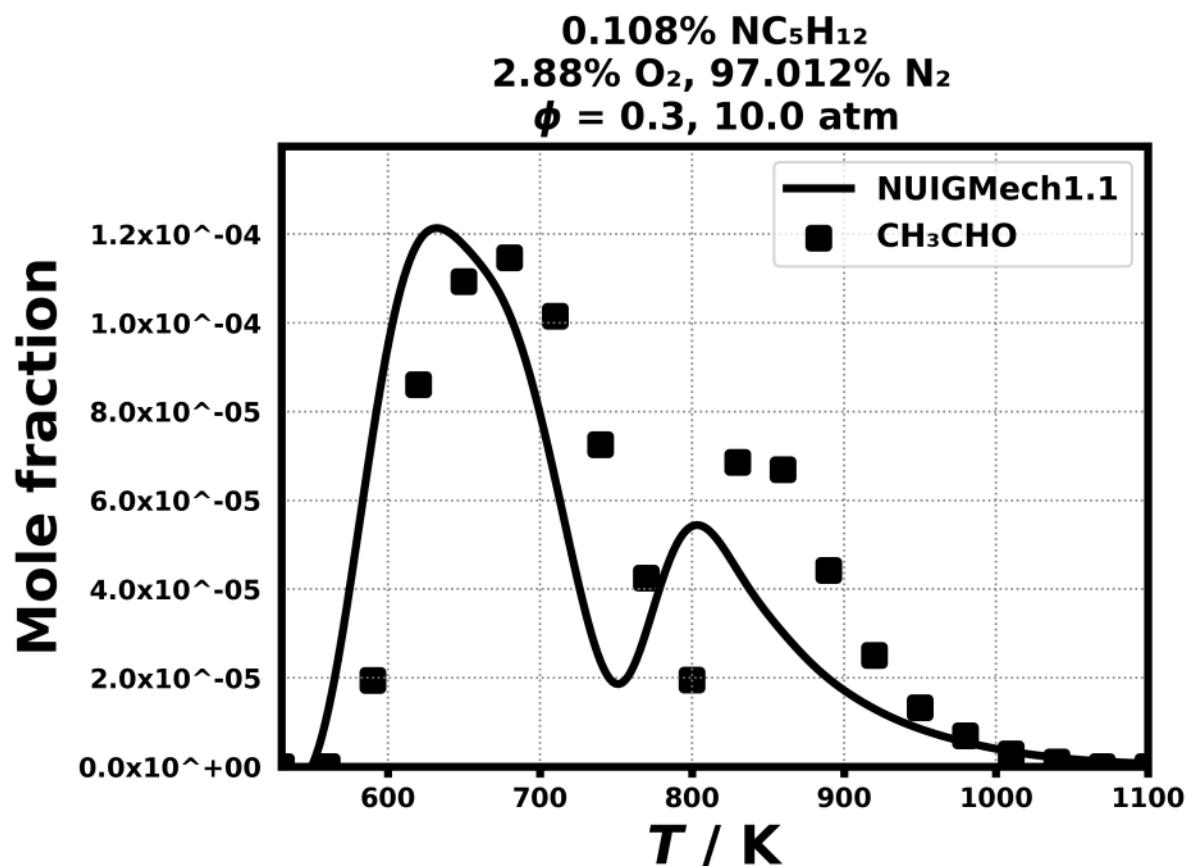


Figure 169: Dataset: 10_ATM_PHI_0.3

1.3.140 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

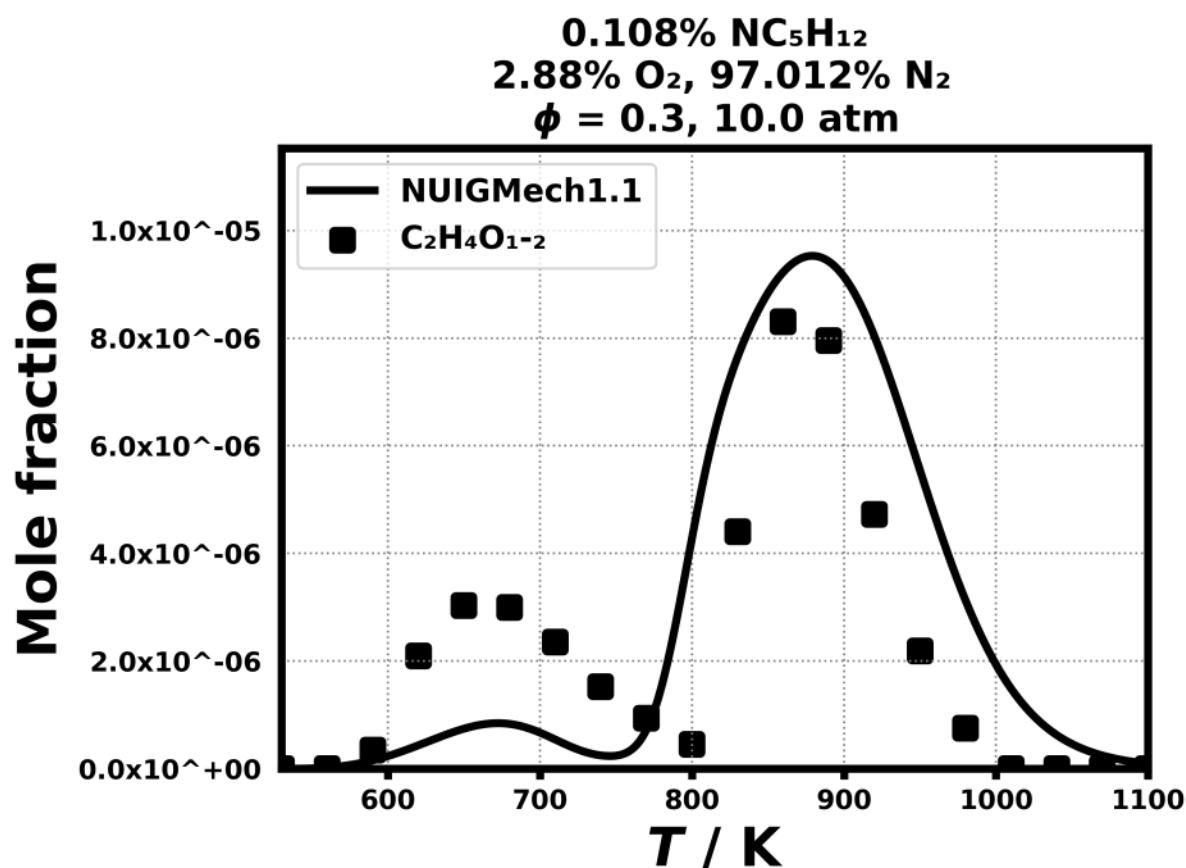


Figure 170: Dataset: 10_ATM_PHI_0.3

1.3.141 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

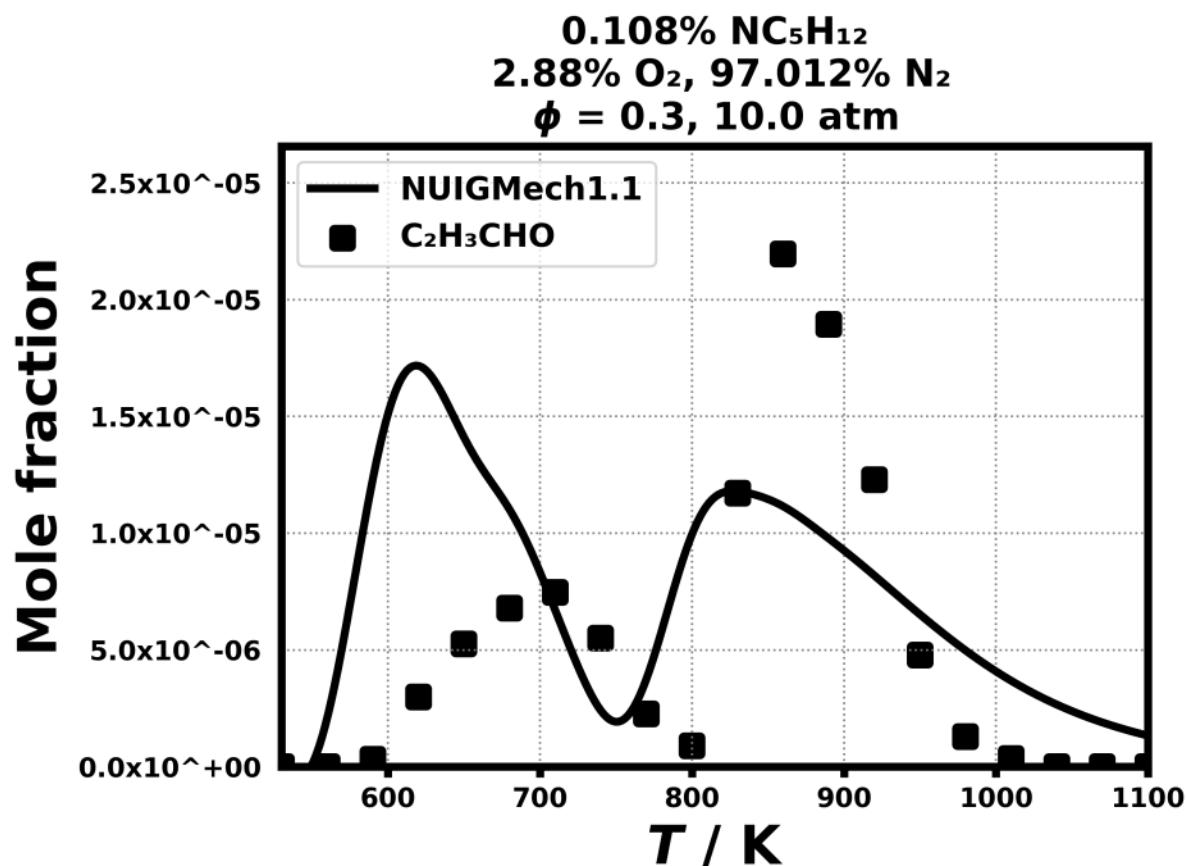


Figure 171: Dataset: 10_ATM_PHI_0.3

1.3.142 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

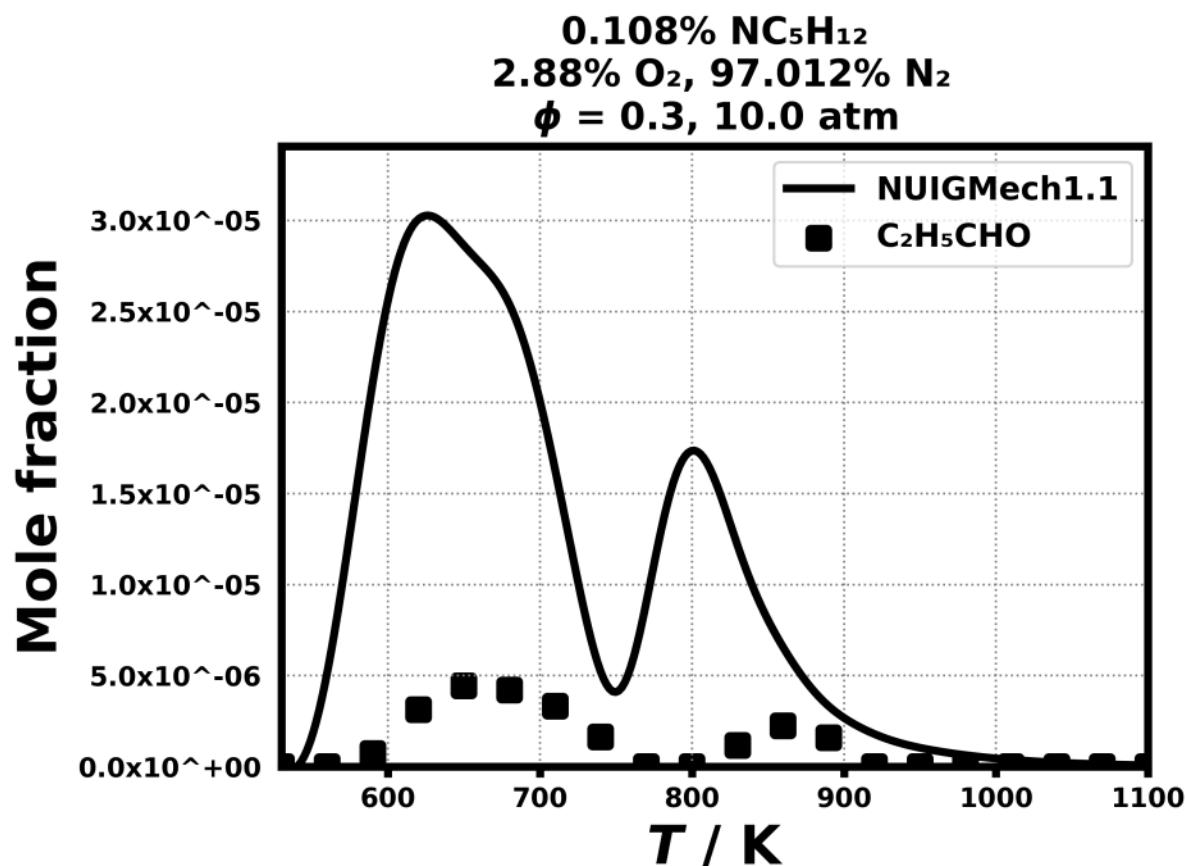


Figure 172: Dataset: 10_ATM_PHI_0.3

1.3.143 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

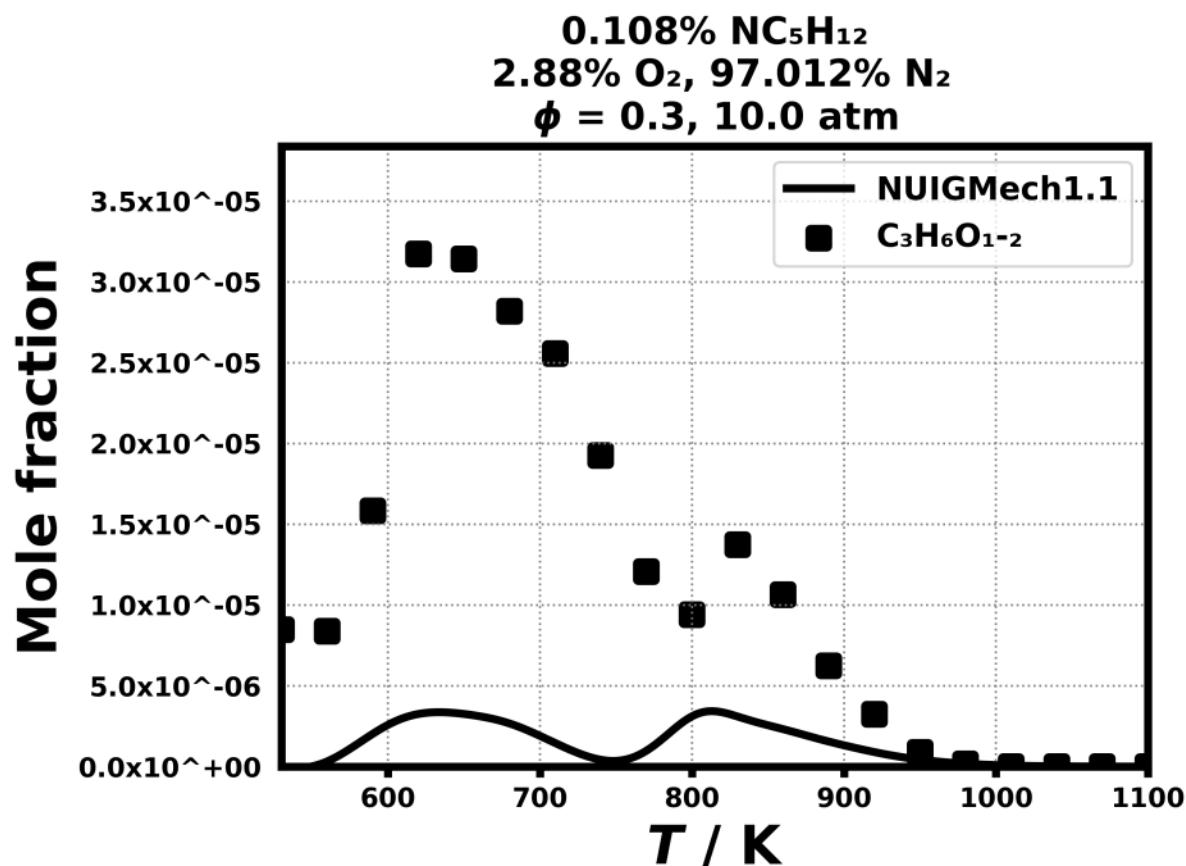


Figure 173: Dataset: 10_ATM_PHI_0.3

1.3.144 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

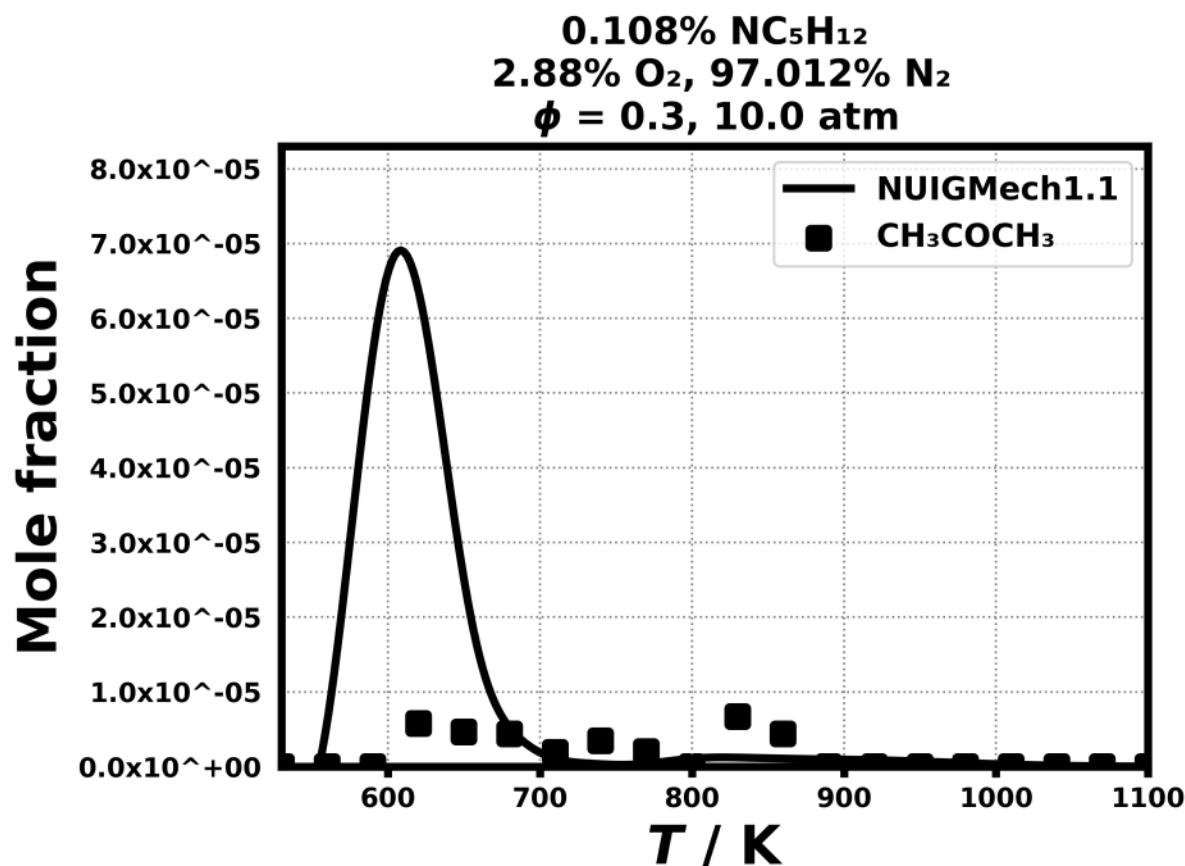


Figure 174: Dataset: 10_ATM_PHI_0.3

1.3.145 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

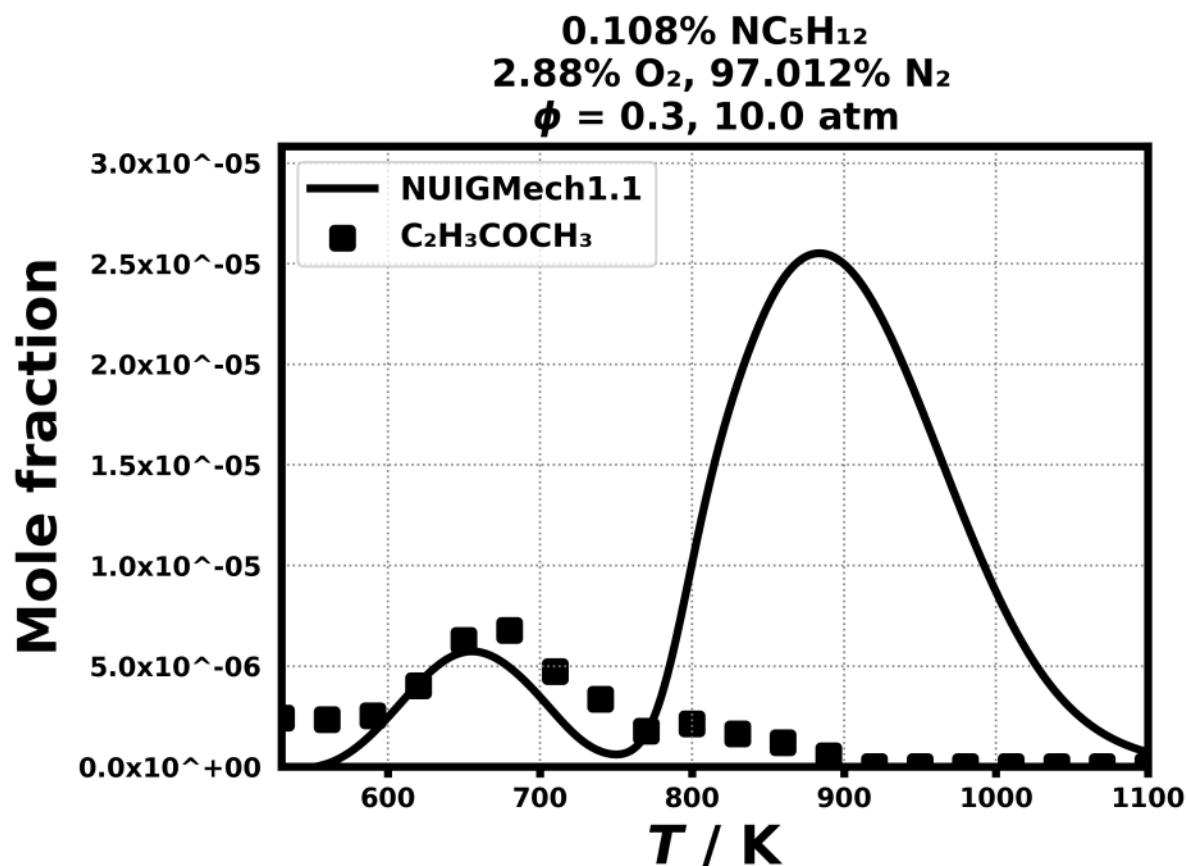


Figure 175: Dataset: 10_ATM_PHI_0.3

1.3.146 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

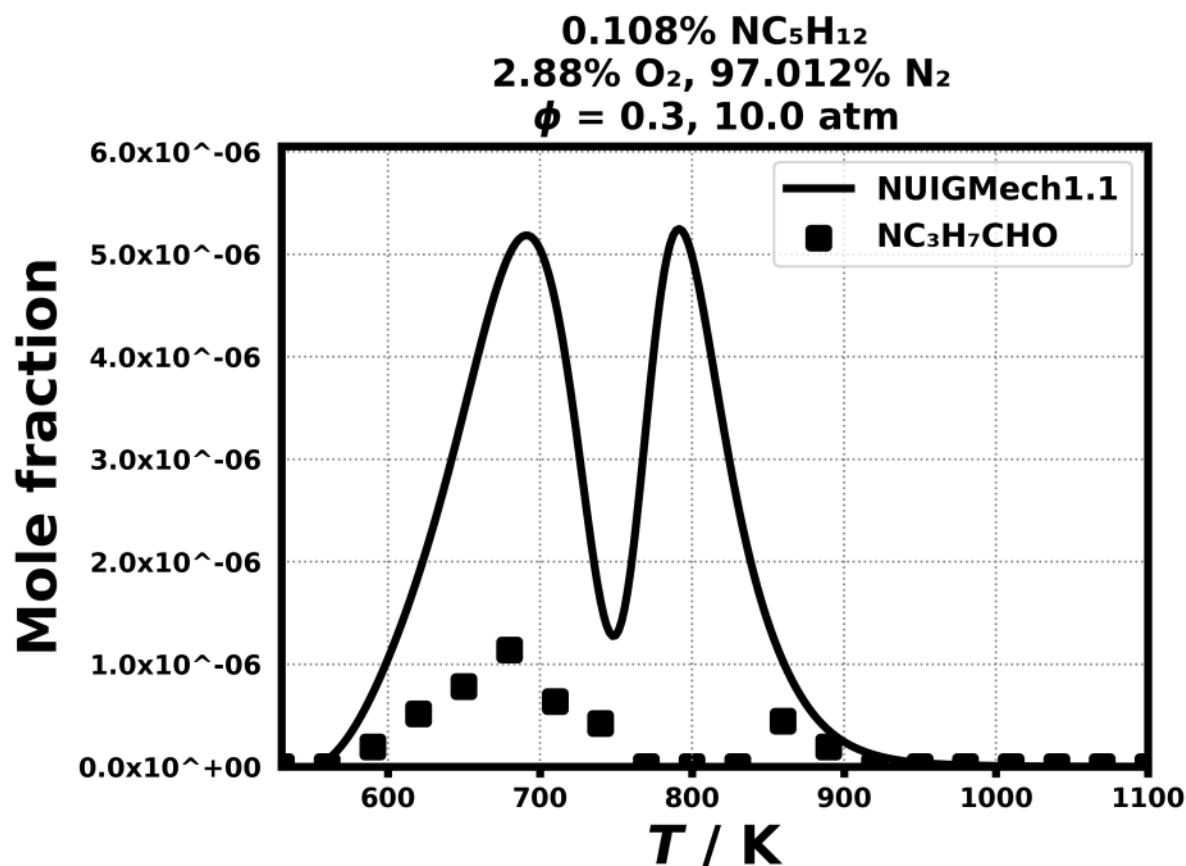


Figure 176: Dataset: 10_ATM_PHI_0.3

1.3.147 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

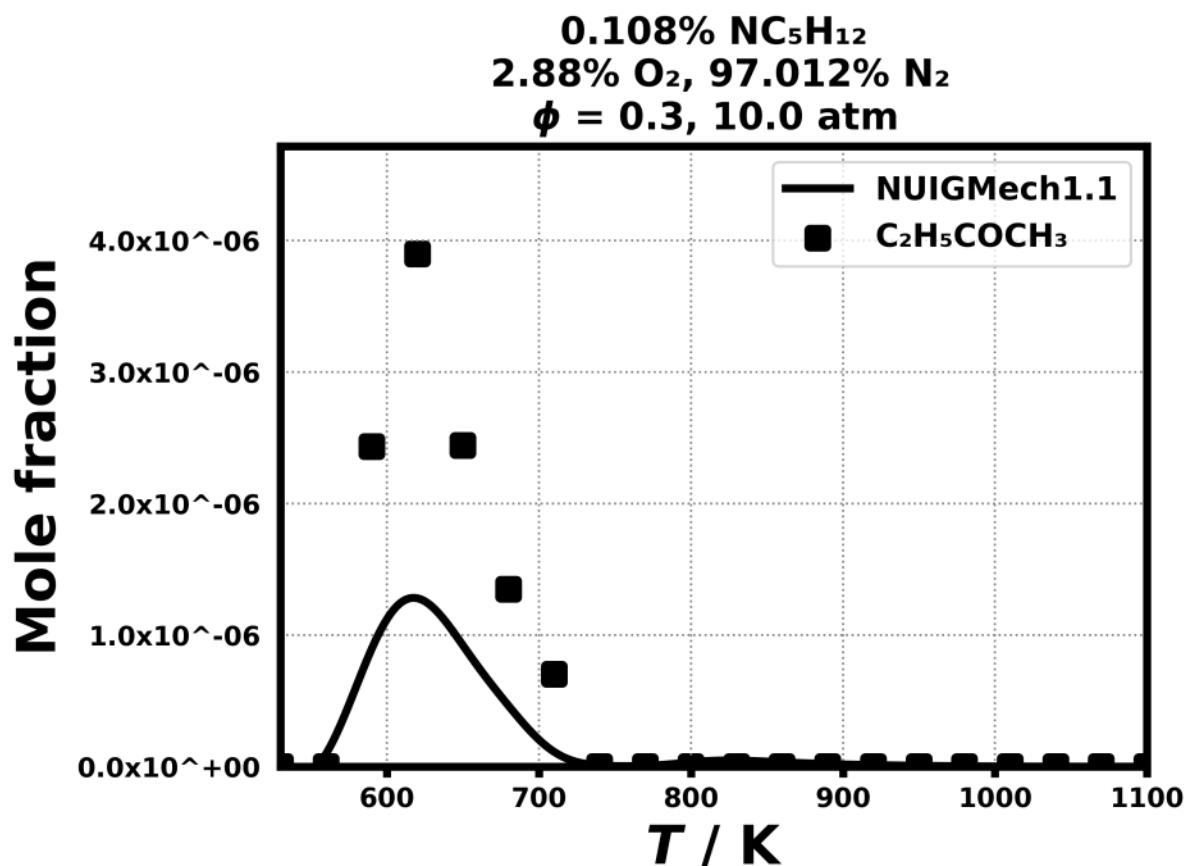


Figure 177: Dataset: 10_ATM_PHI_0.3

1.3.148 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

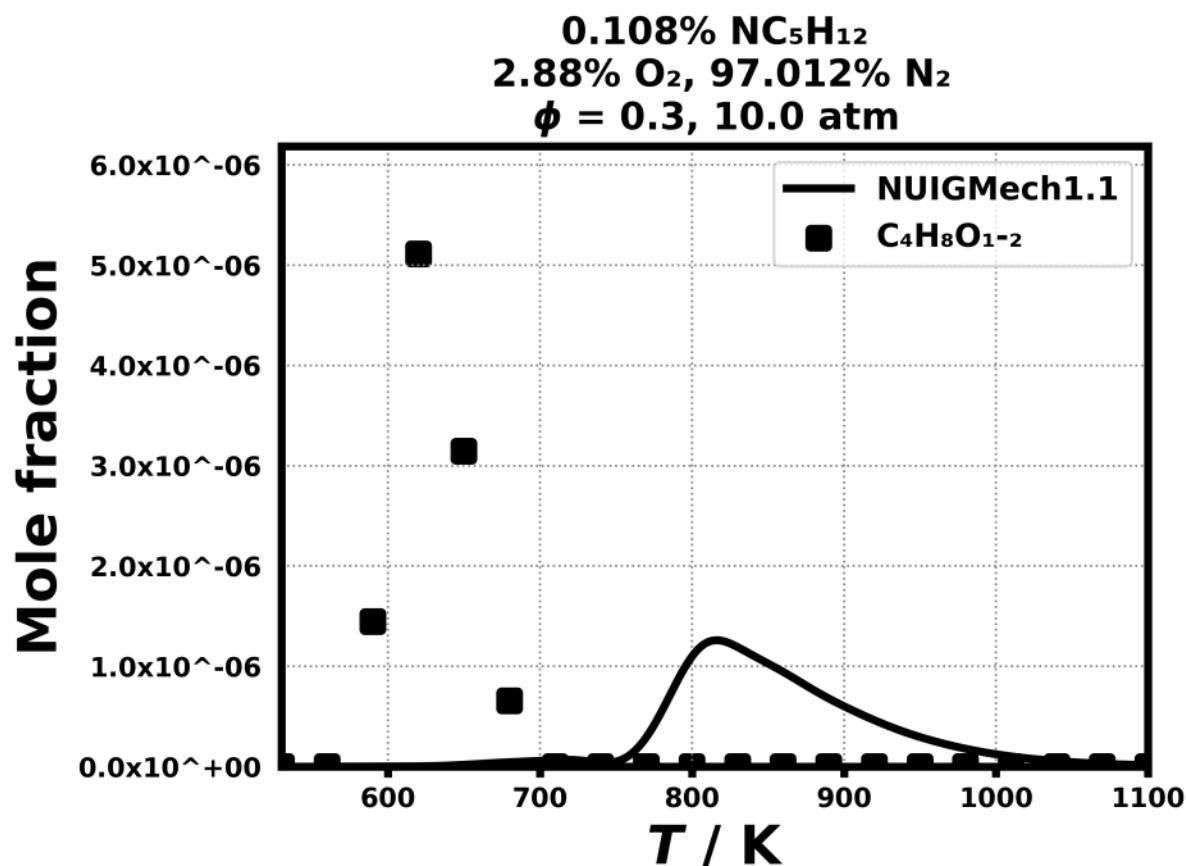


Figure 178: Dataset: 10_ATM_PHI_0.3

1.3.149 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

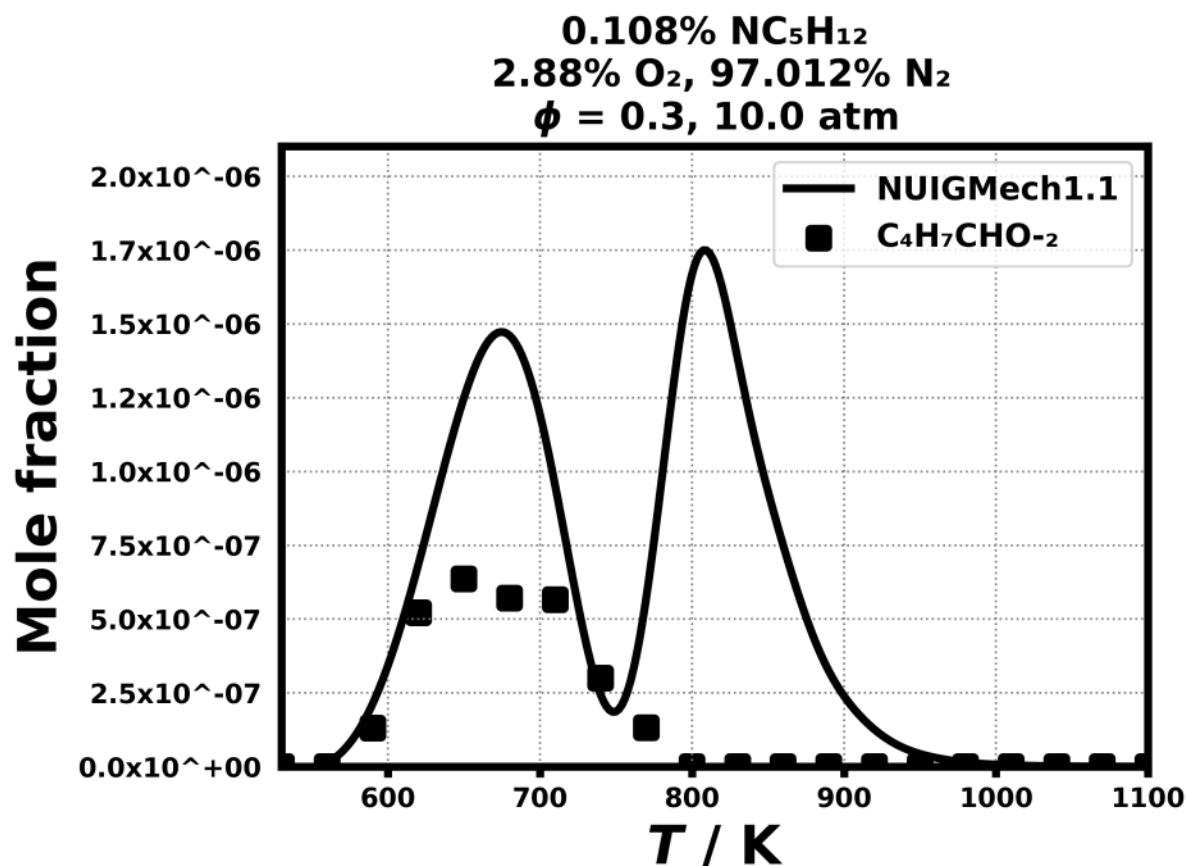


Figure 179: Dataset: 10_ATM_PHI_0.3

1.3.150 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

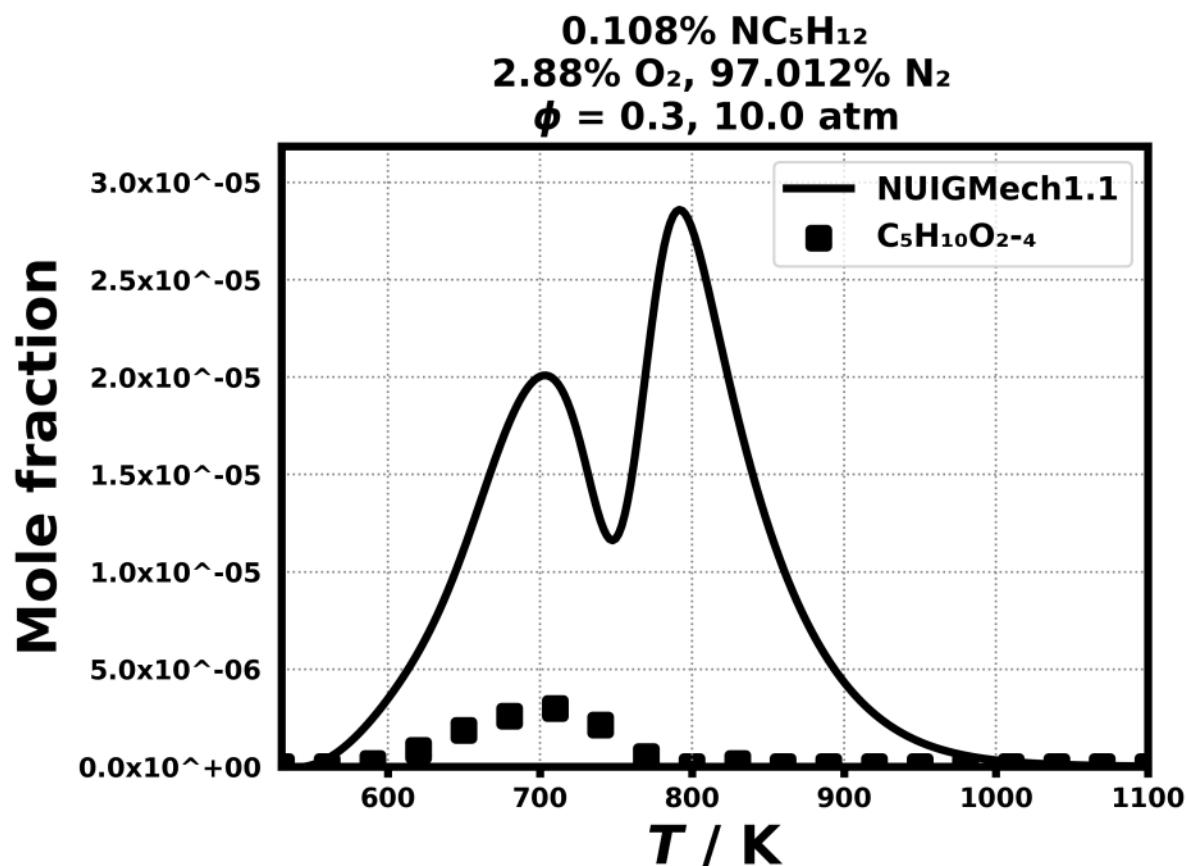


Figure 180: Dataset: 10_ATM_PHI_0.3

1.3.151 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

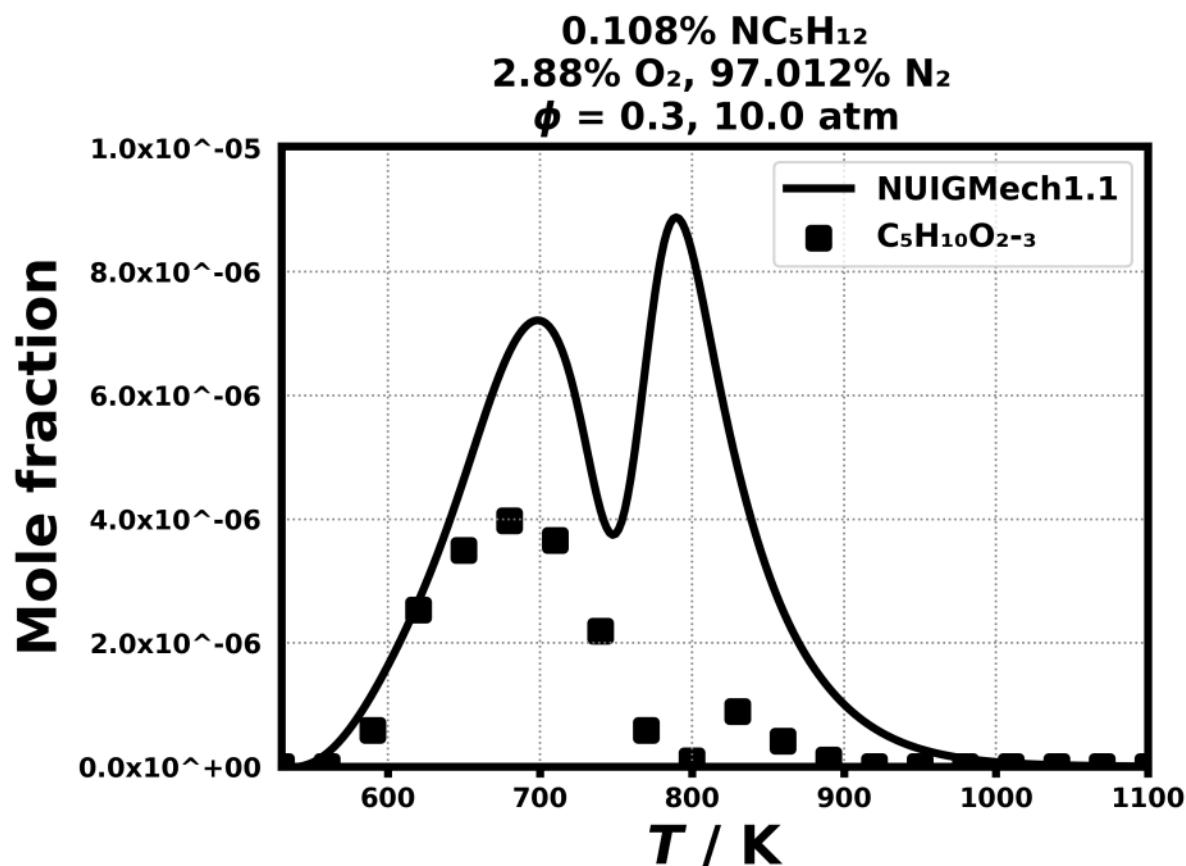


Figure 181: Dataset: 10_ATM_PHI_0.3

1.3.152 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

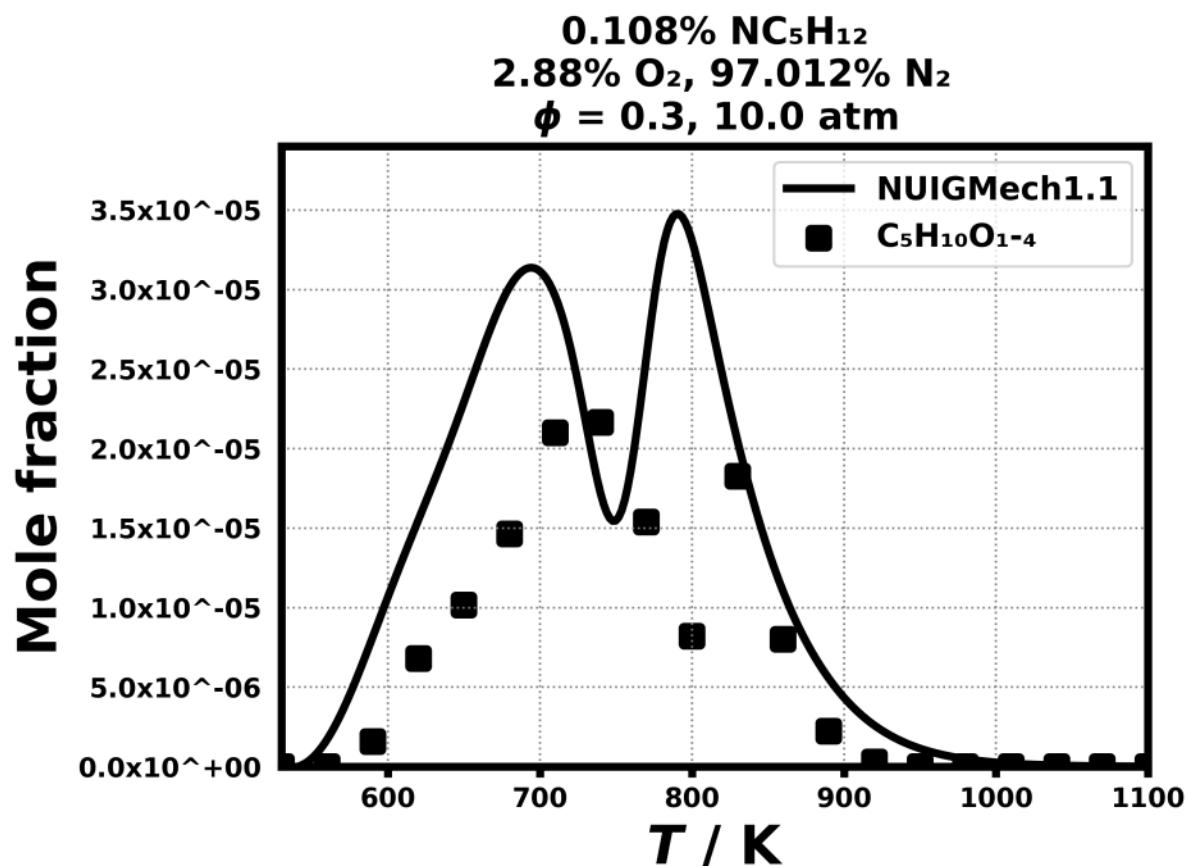


Figure 182: Dataset: 10_ATM_PHI_0.3

1.3.153 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.3

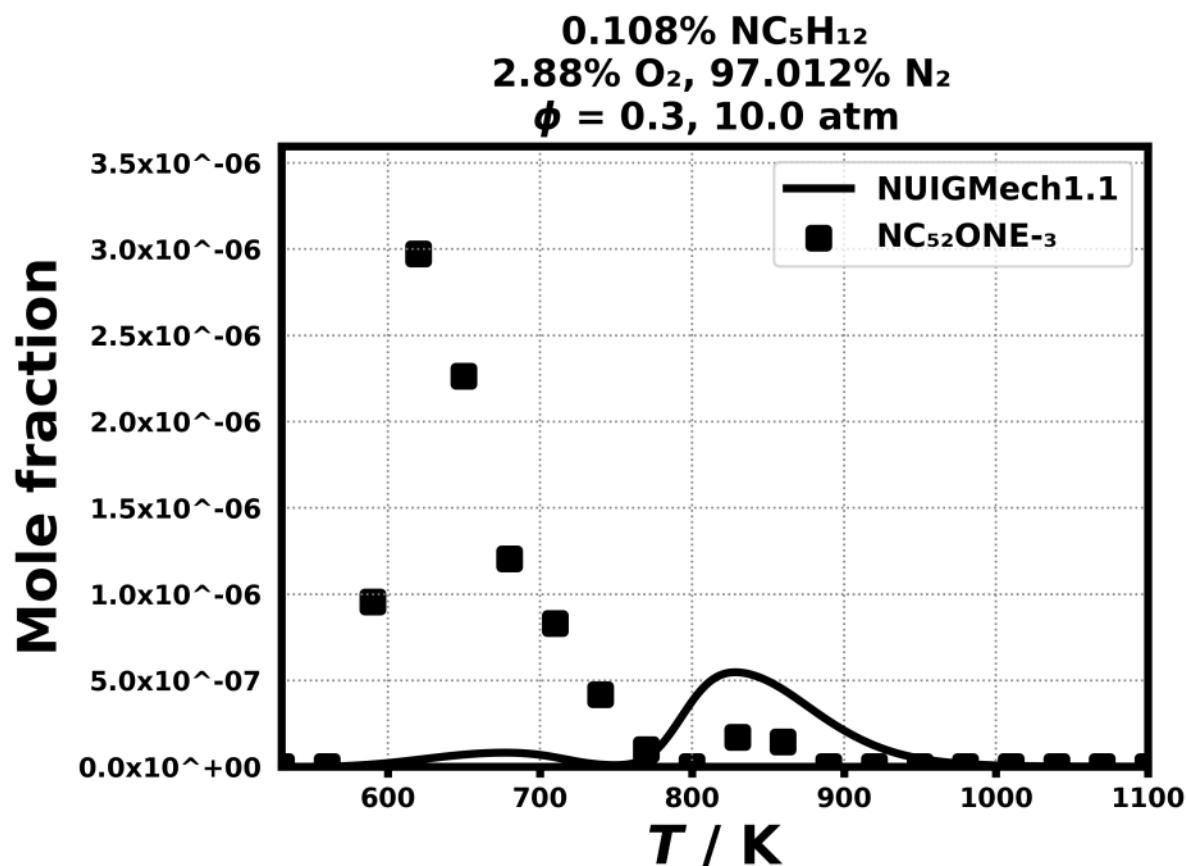


Figure 183: Dataset: 10_ATM_PHI_0.3

1.3.154 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

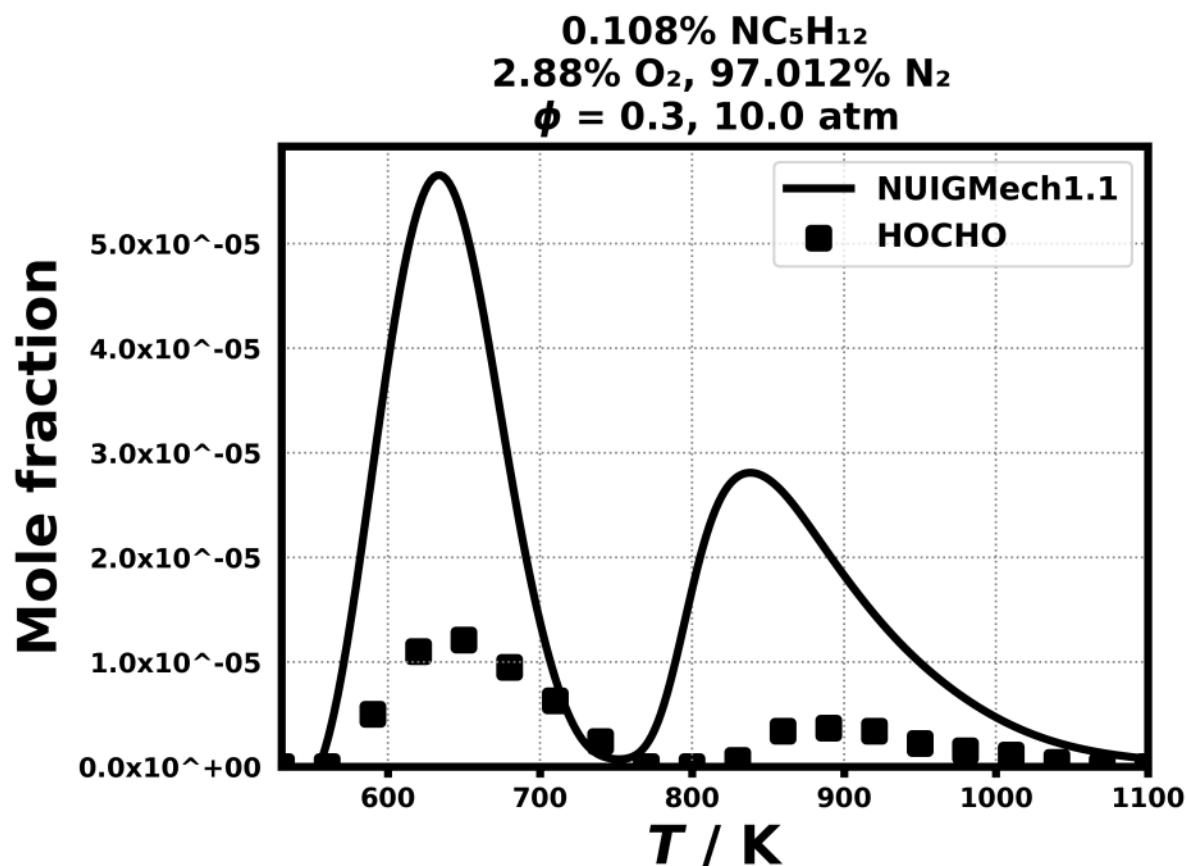


Figure 184: Dataset: 10_ATM_PHI_0.3

1.3.155 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.3

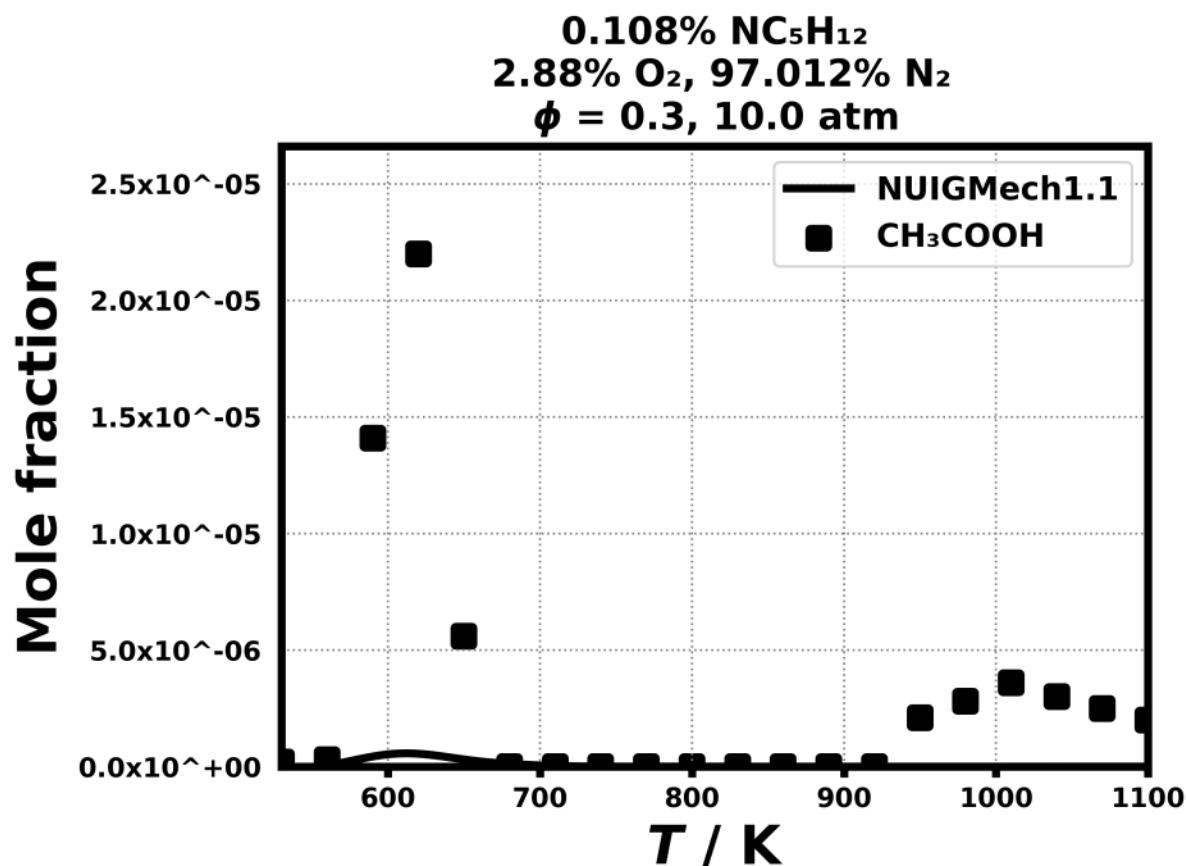


Figure 185: Dataset: 10_ATM_PHI_0.3

1.3.156 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

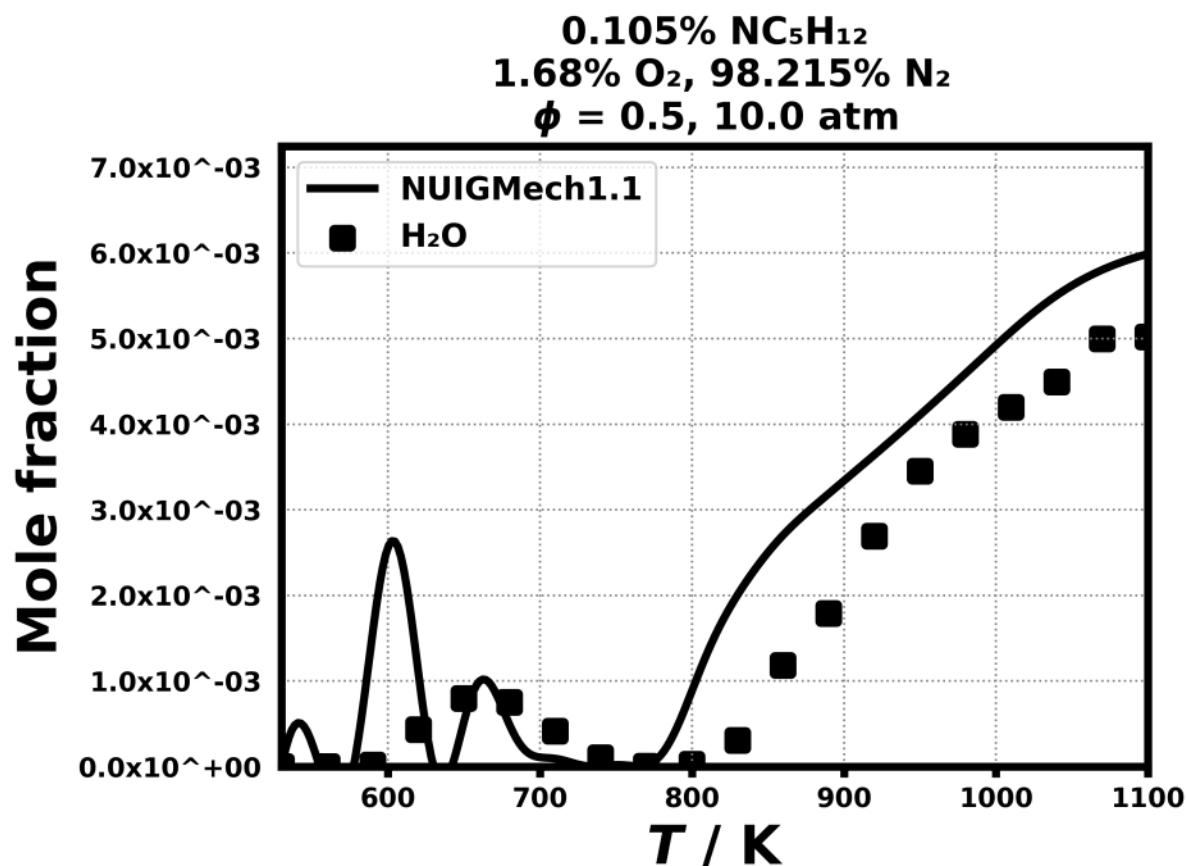


Figure 186: Dataset: 10_ATM_PHI_0.5

1.3.157 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

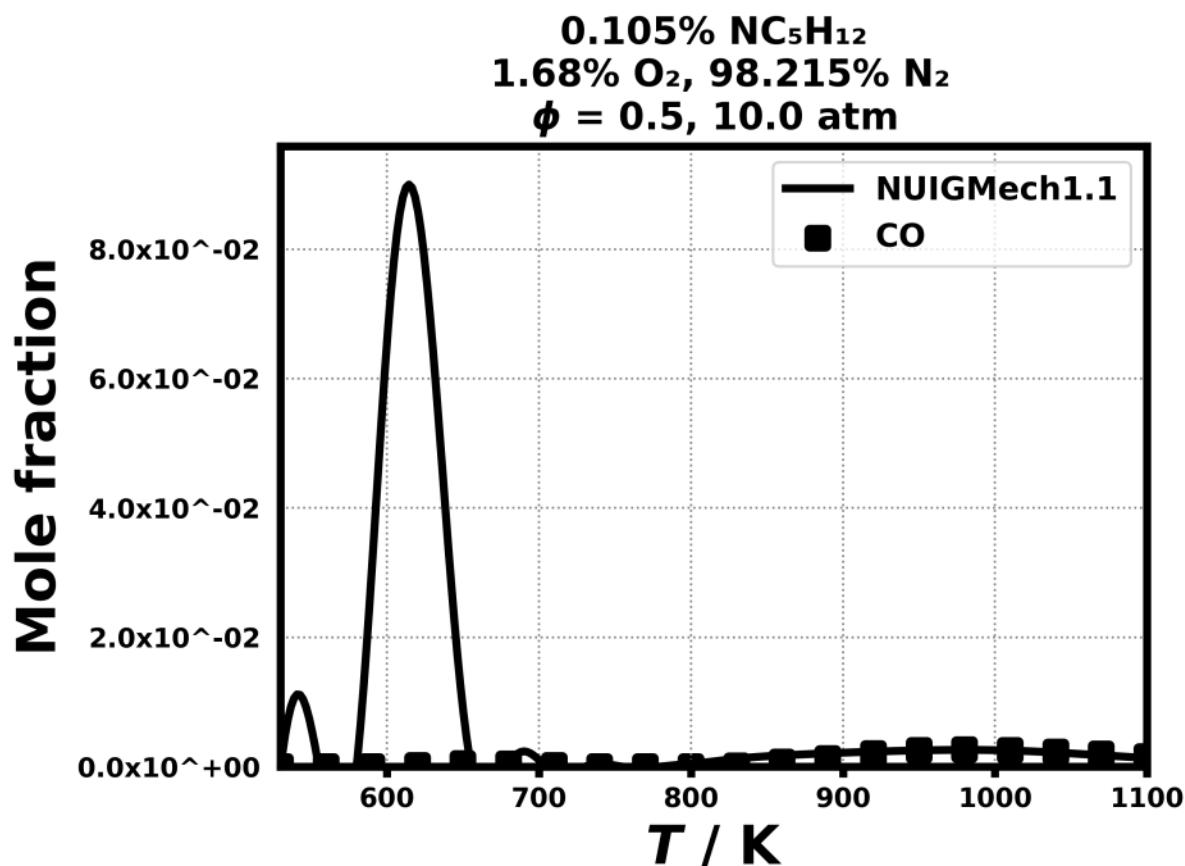


Figure 187: Dataset: 10_ATM_PHI_0.5

1.3.158 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

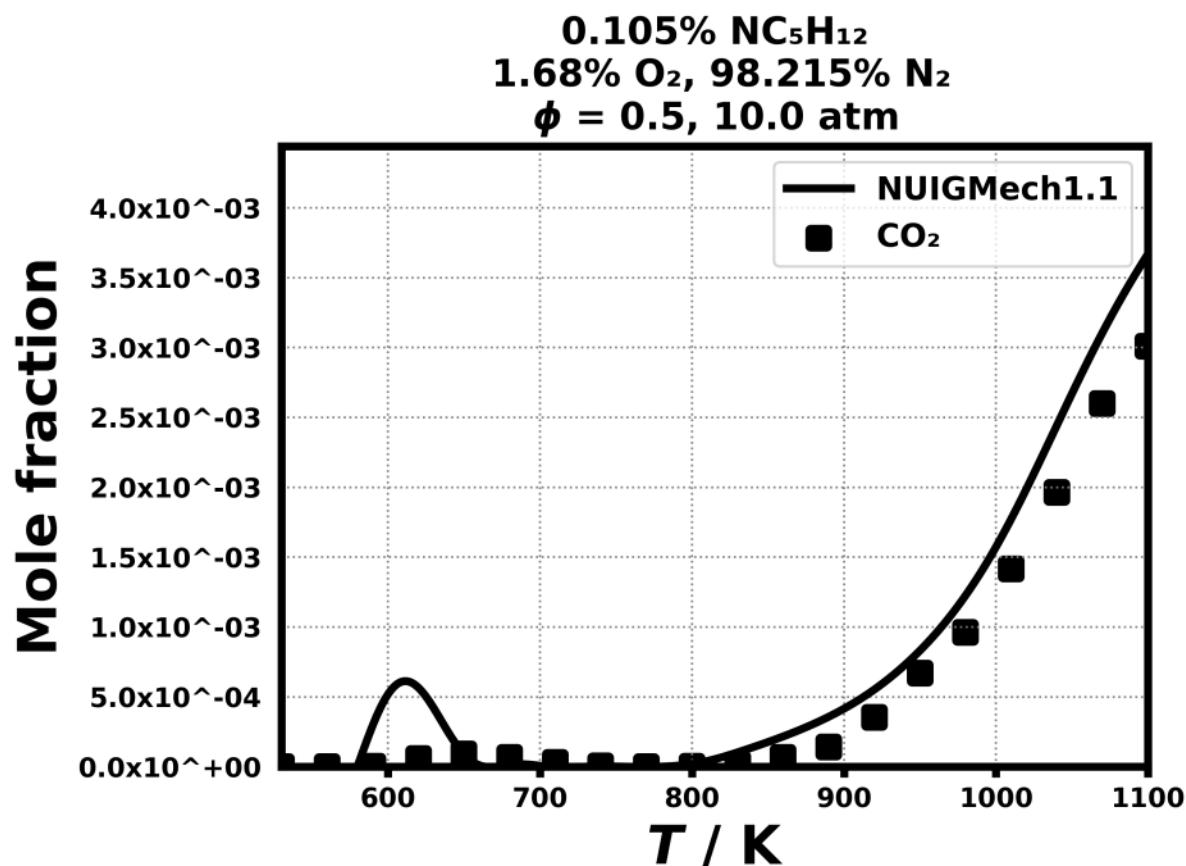


Figure 188: Dataset: 10_ATM_PHI_0.5

1.3.159 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

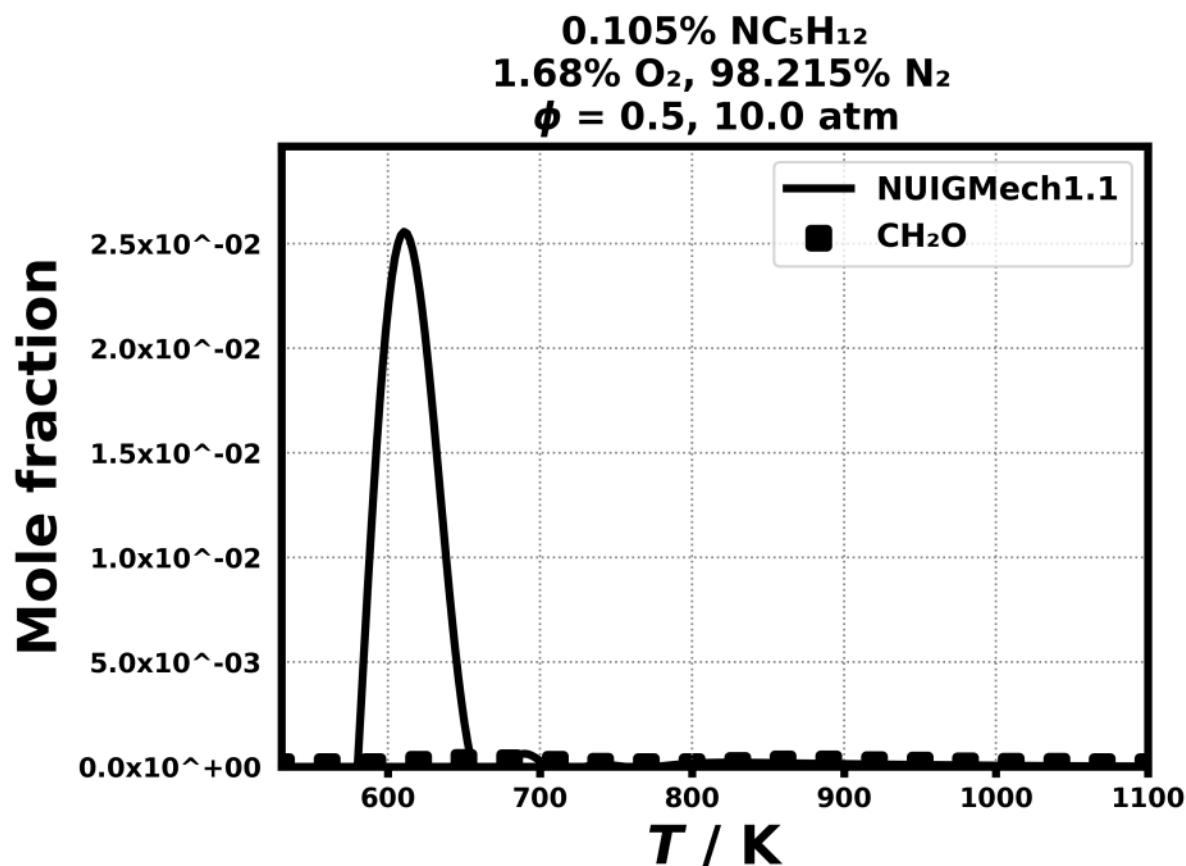


Figure 189: Dataset: 10_ATM_PHI_0.5

1.3.160 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

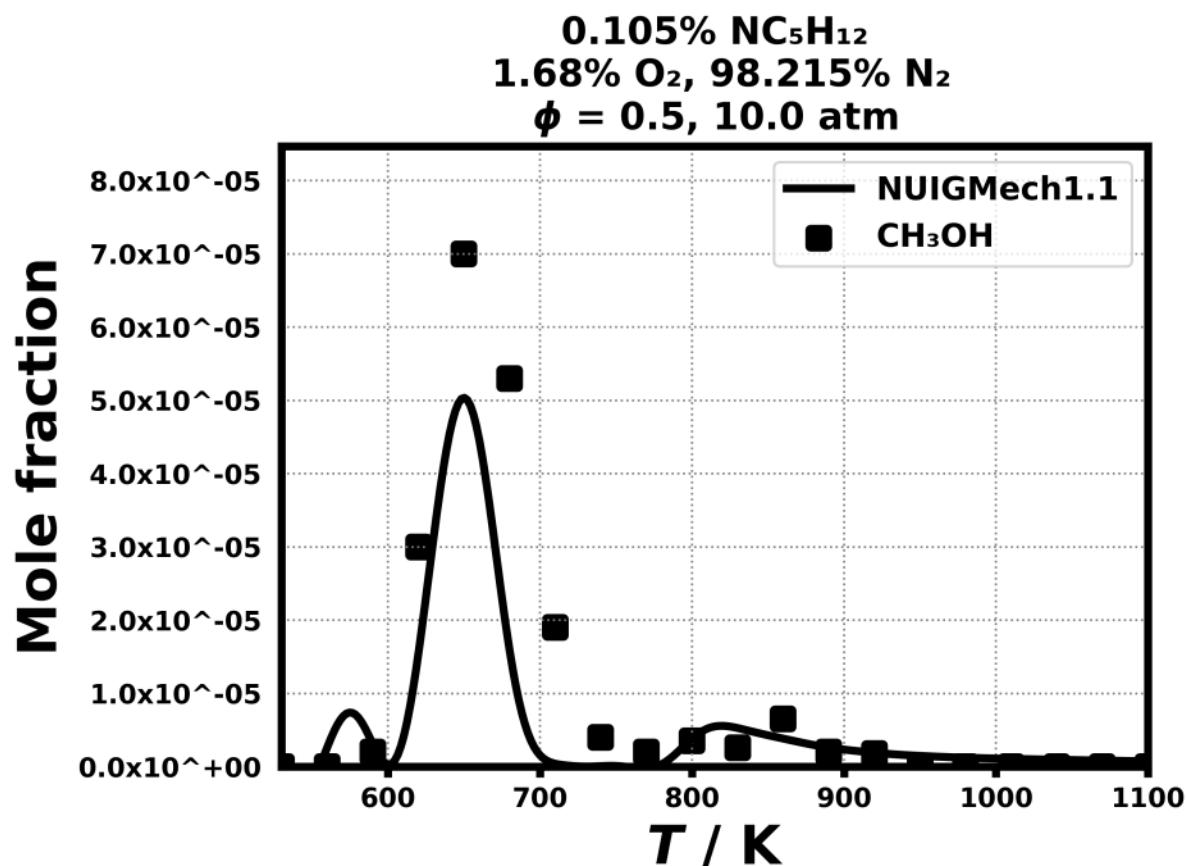


Figure 190: Dataset: 10_ATM_PHI_0.5

1.3.161 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

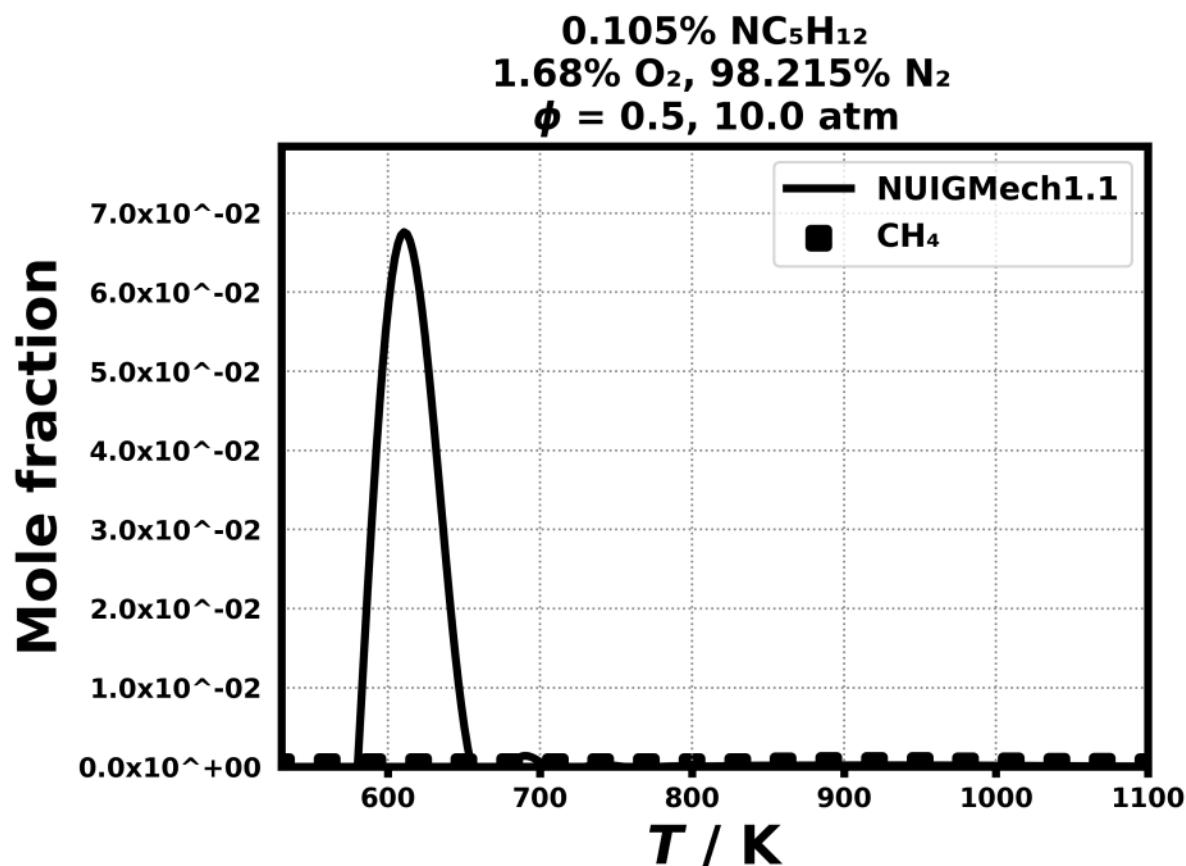


Figure 191: Dataset: 10_ATM_PHI_0.5

1.3.162 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

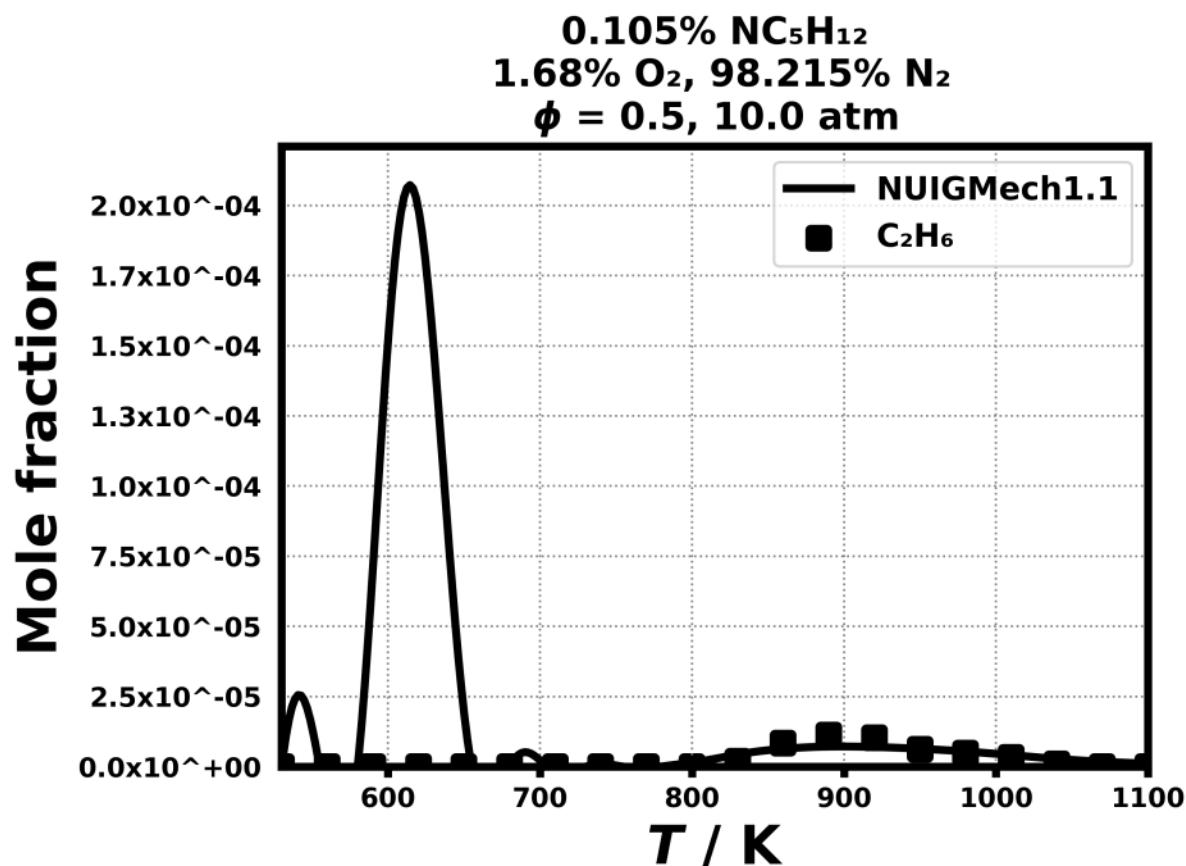


Figure 192: Dataset: 10_ATM_PHI_0.5

1.3.163 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

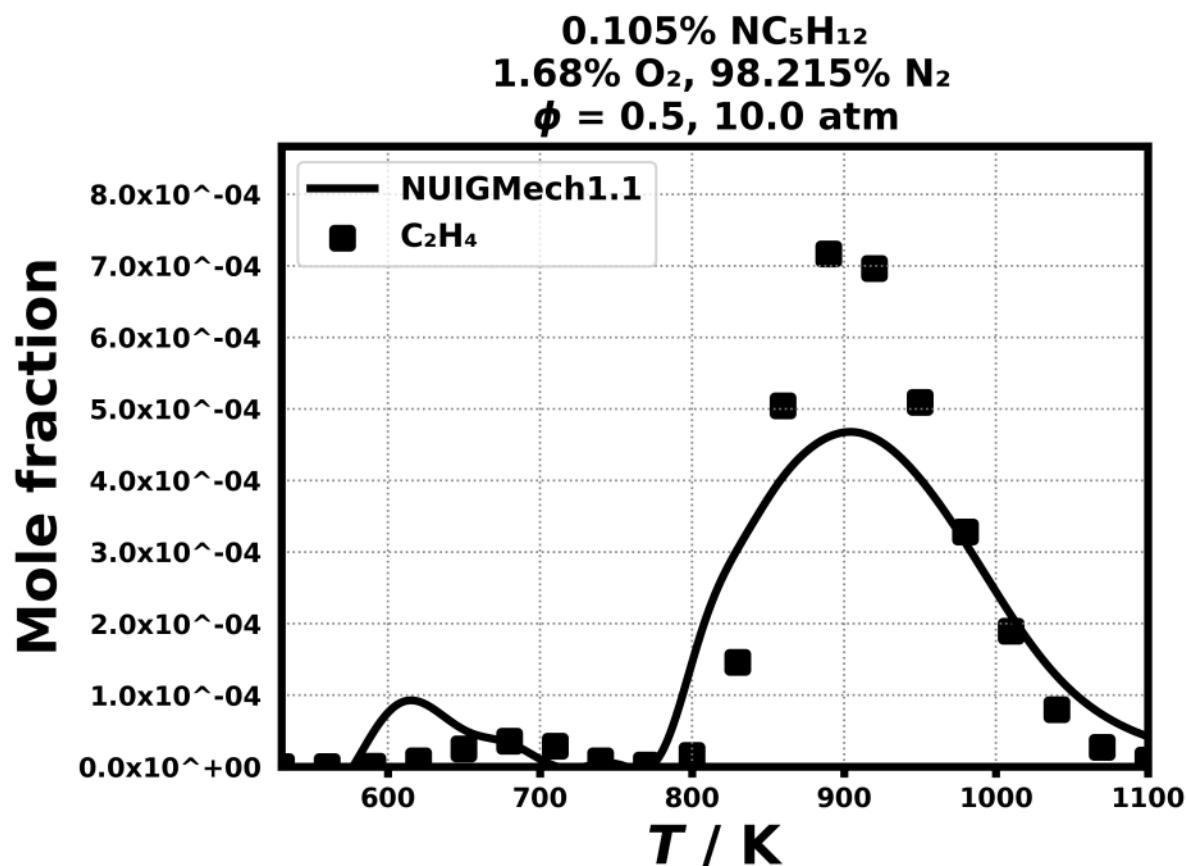


Figure 193: Dataset: 10_ATM_PHI_0.5

1.3.164 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

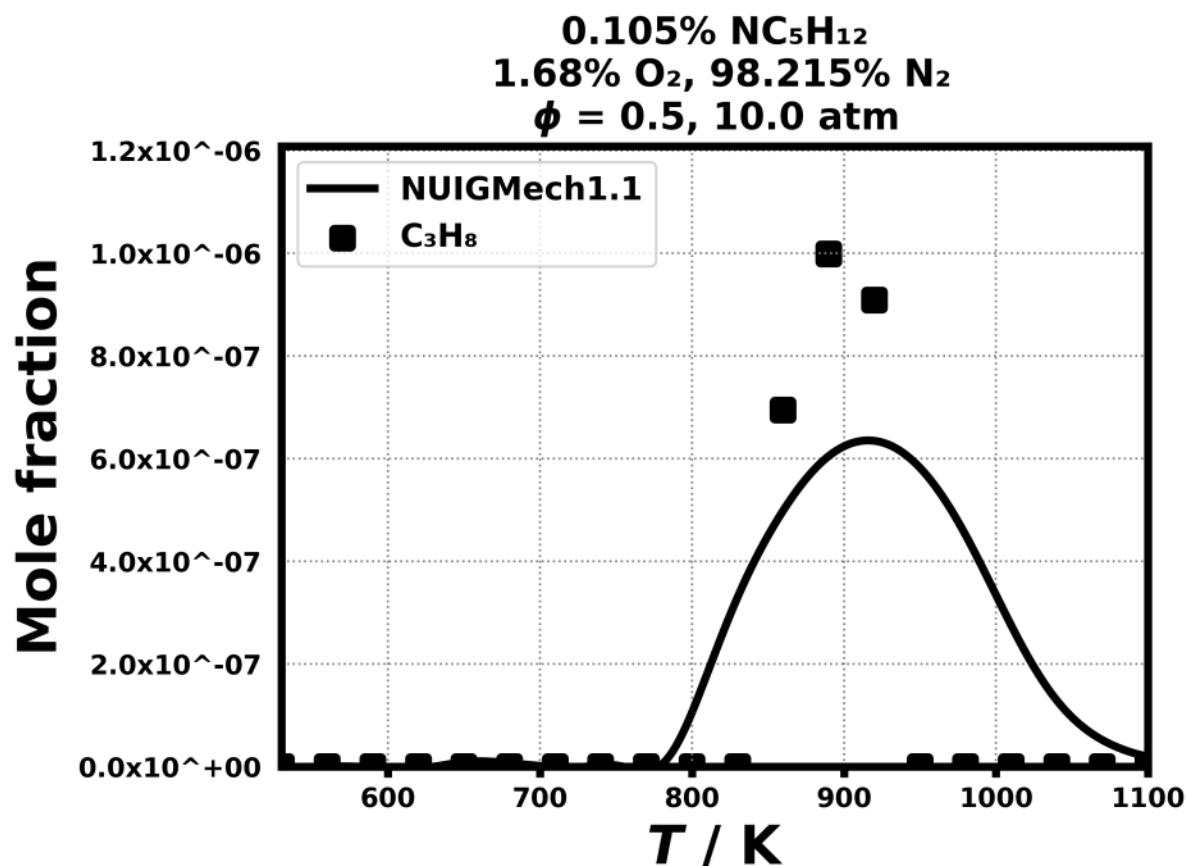


Figure 194: Dataset: 10_ATM_PHI_0.5

1.3.165 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

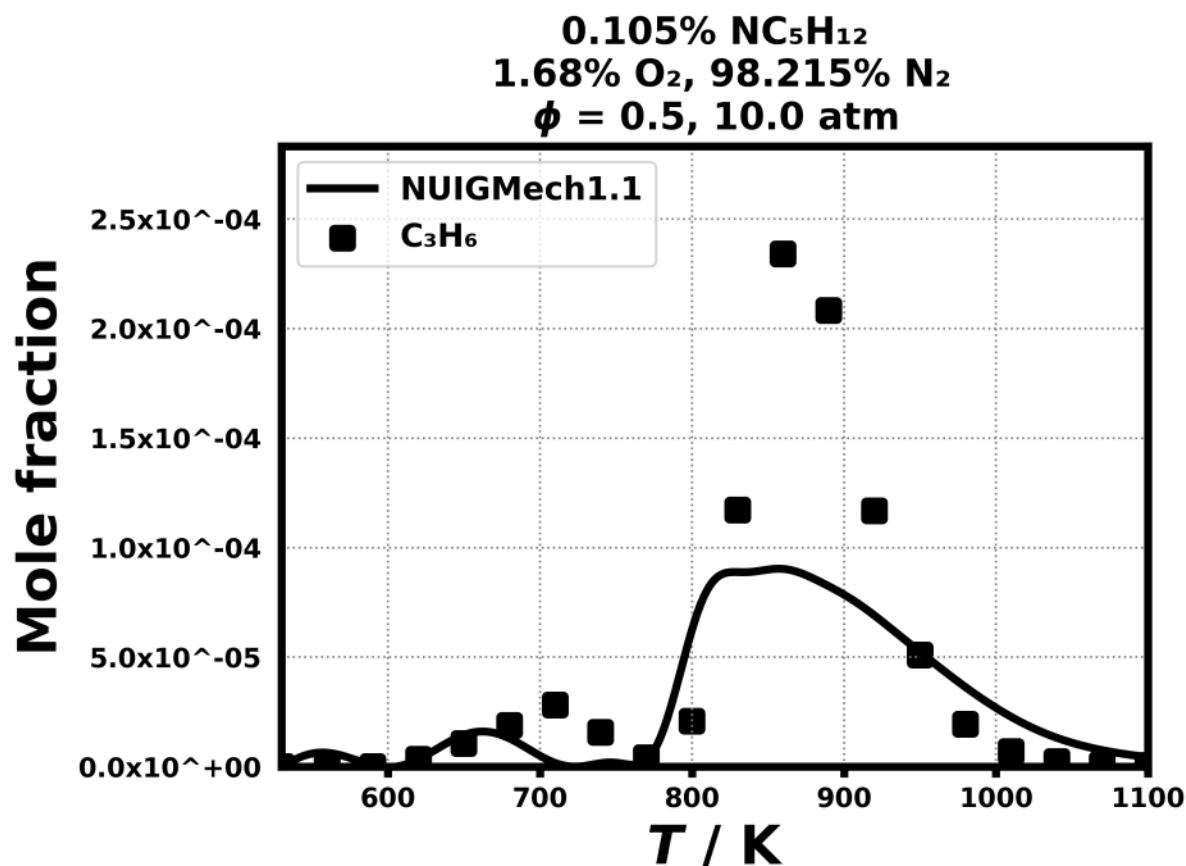


Figure 195: Dataset: 10_ATM_PHI_0.5

1.3.166 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

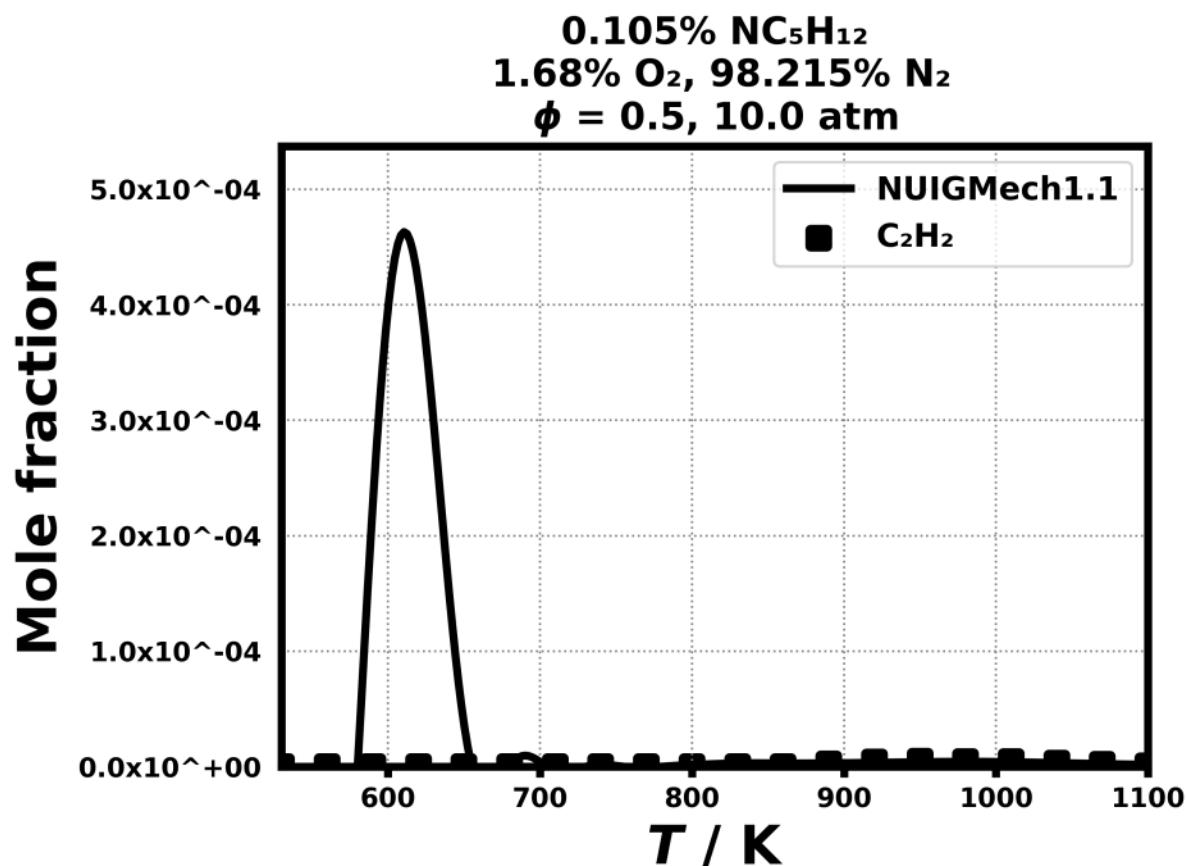


Figure 196: Dataset: 10_ATM_PHI_0.5

1.3.167 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

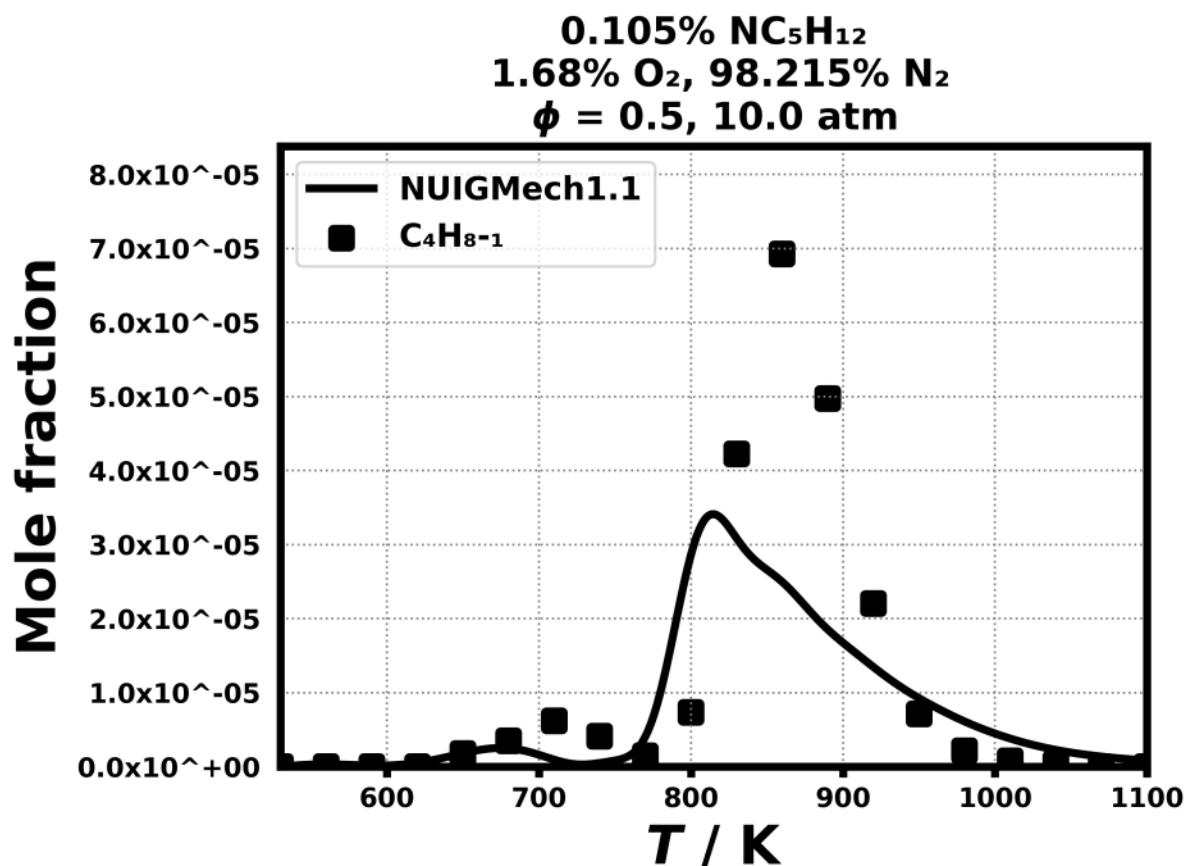


Figure 197: Dataset: 10_ATM_PHI_0.5

1.3.168 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

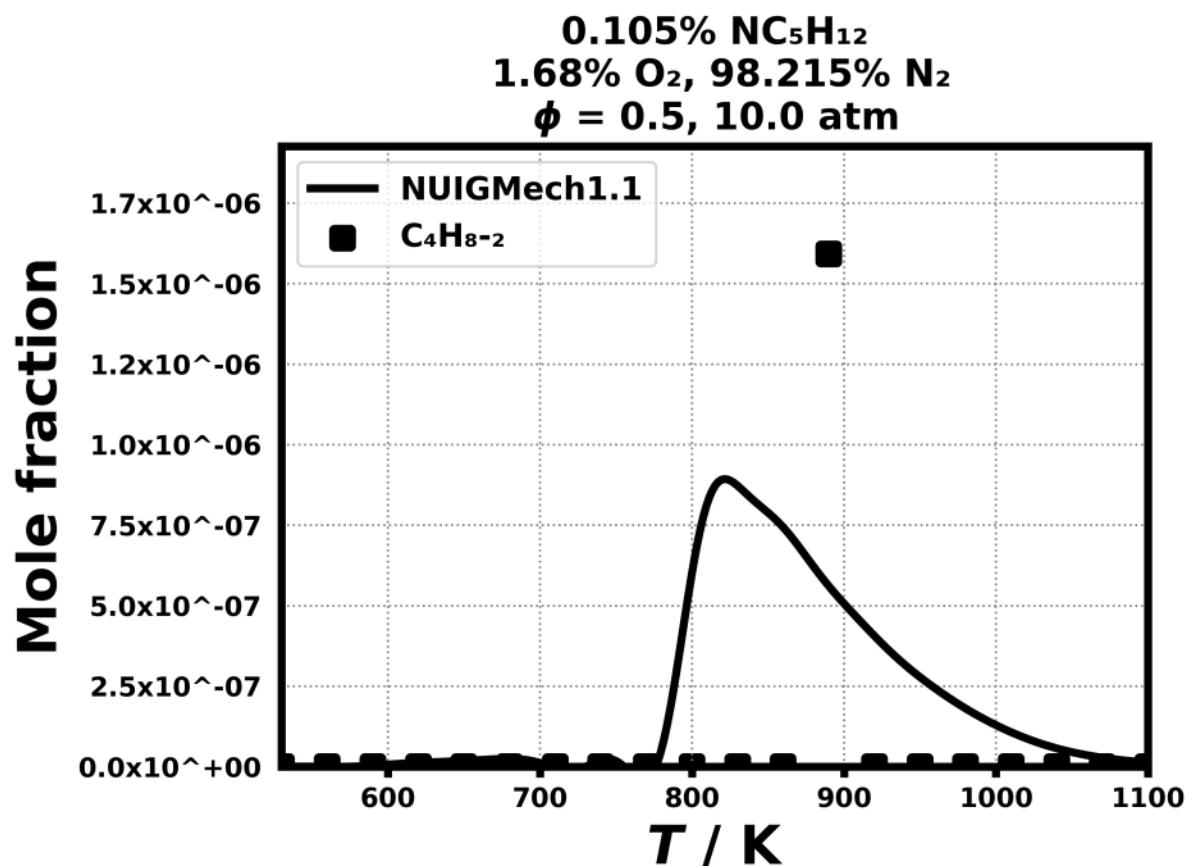


Figure 198: Dataset: 10_ATM_PHI_0.5

1.3.169 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

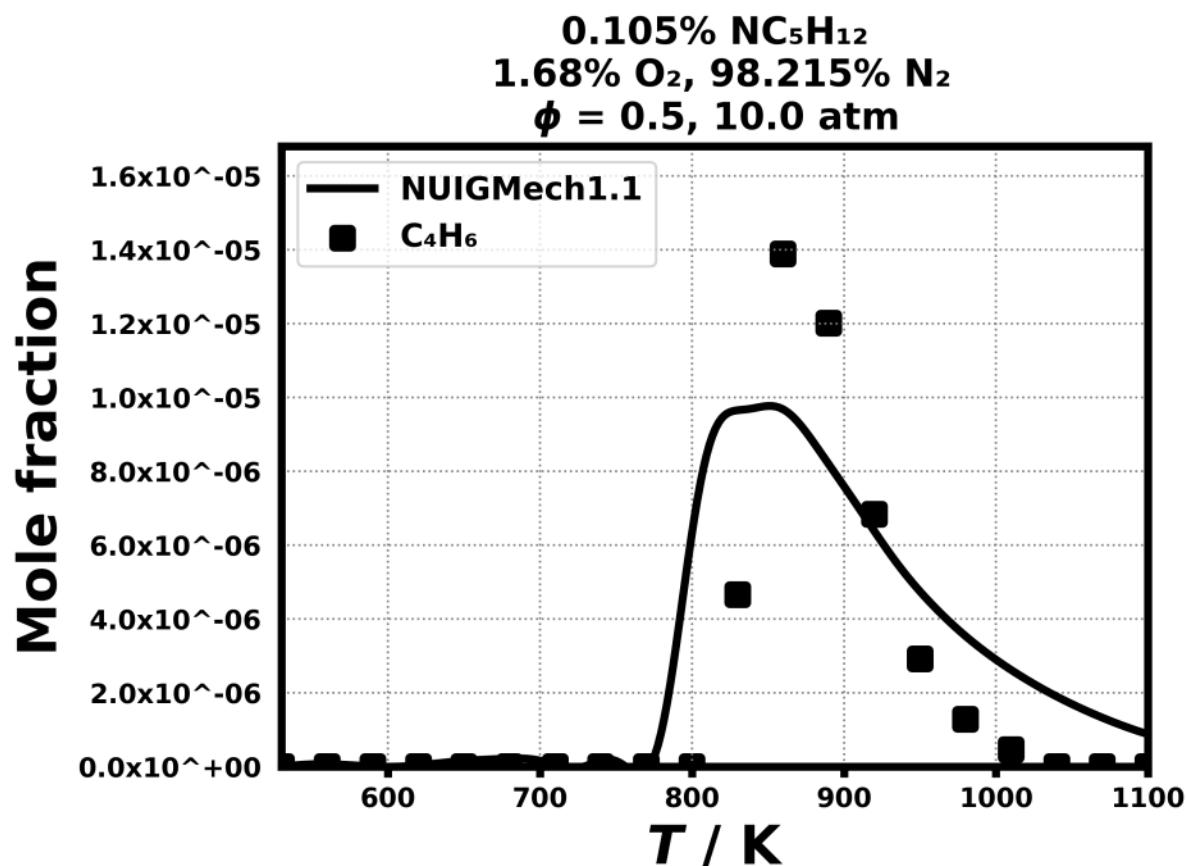


Figure 199: Dataset: 10_ATM_PHI_0.5

1.3.170 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

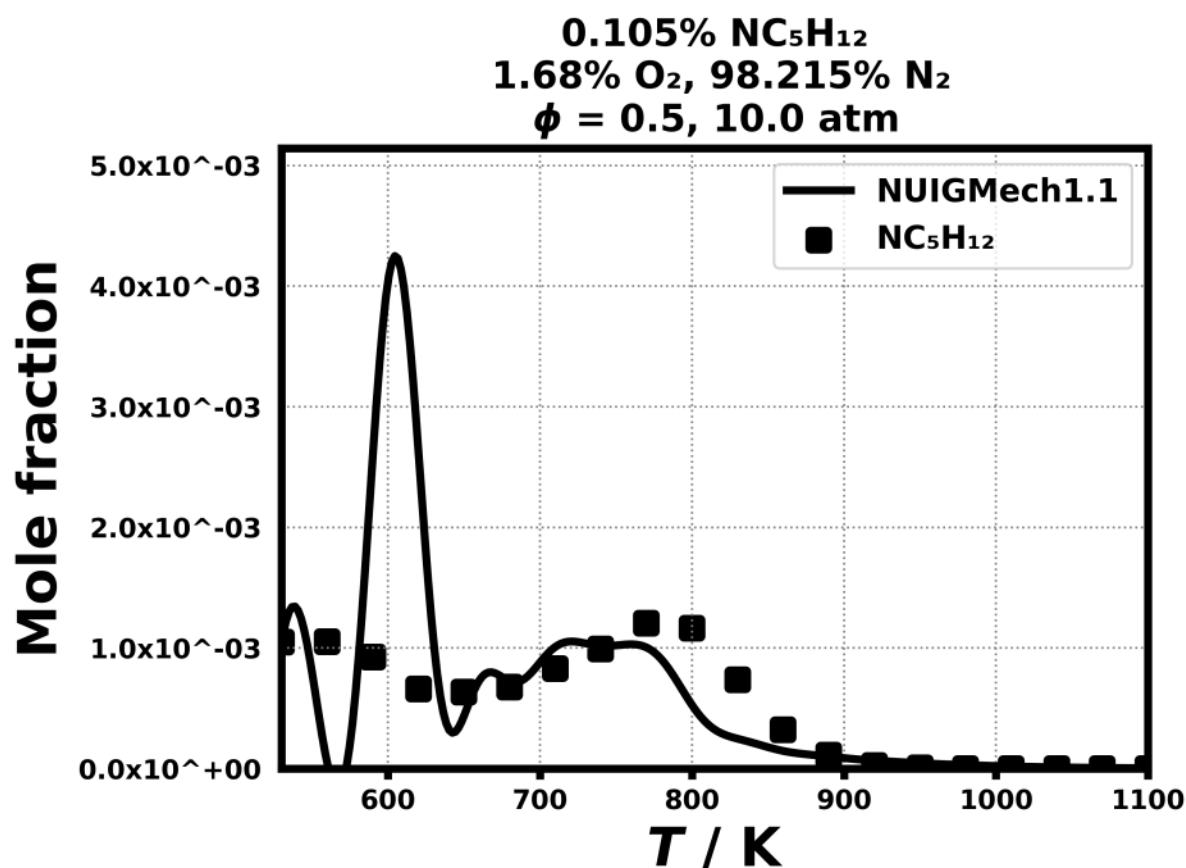


Figure 200: Dataset: 10_ATM_PHI_0.5

1.3.171 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

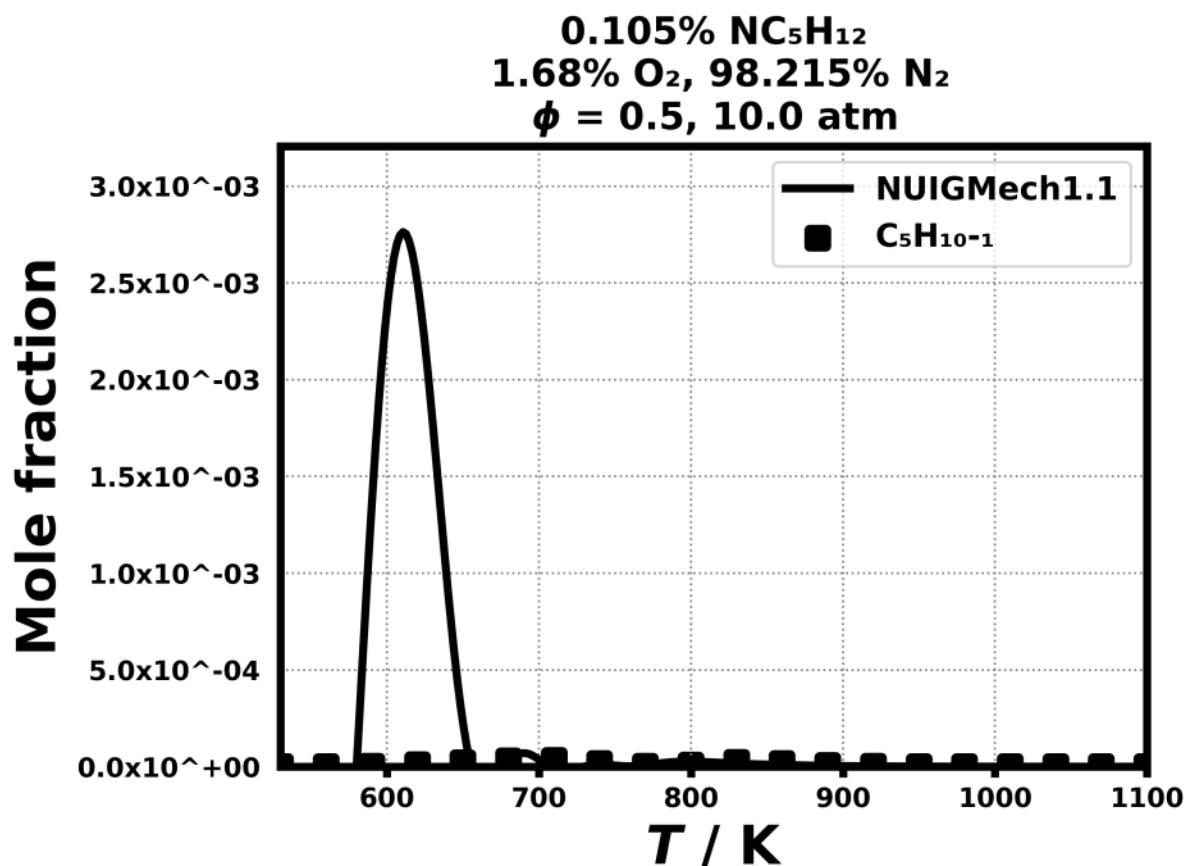


Figure 201: Dataset: 10_ATM_PHI_0.5

1.3.172 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

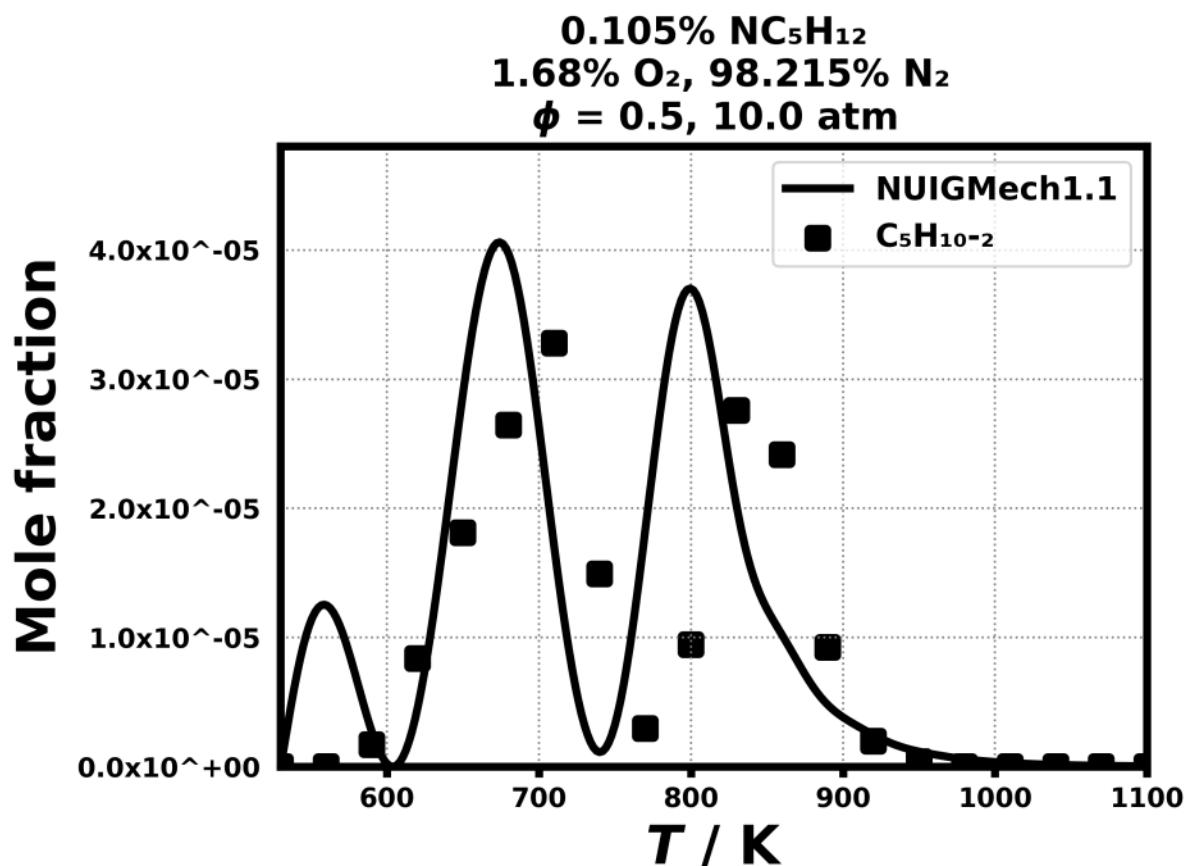


Figure 202: Dataset: 10_ATM_PHI_0.5

1.3.173 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

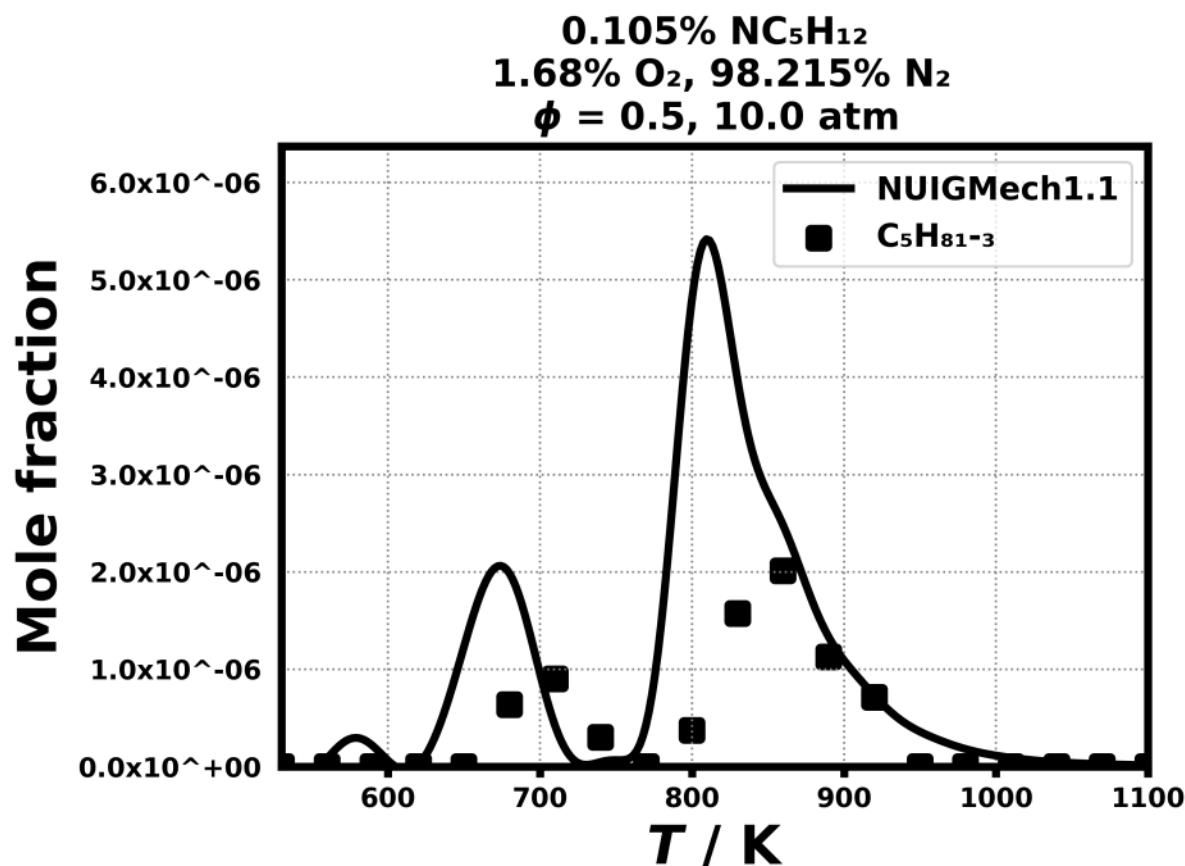


Figure 203: Dataset: 10_ATM_PHI_0.5

1.3.174 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

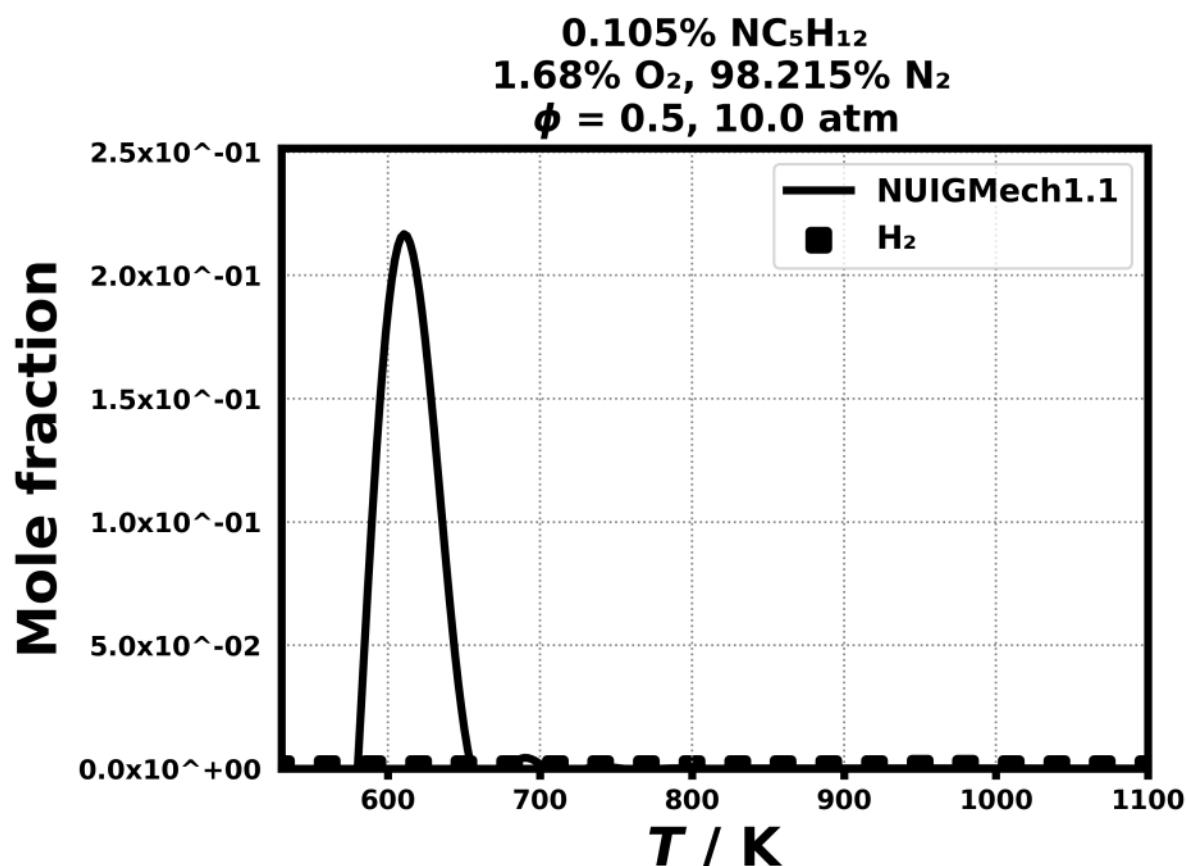


Figure 204: Dataset: 10_ATM_PHI_0.5

1.3.175 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

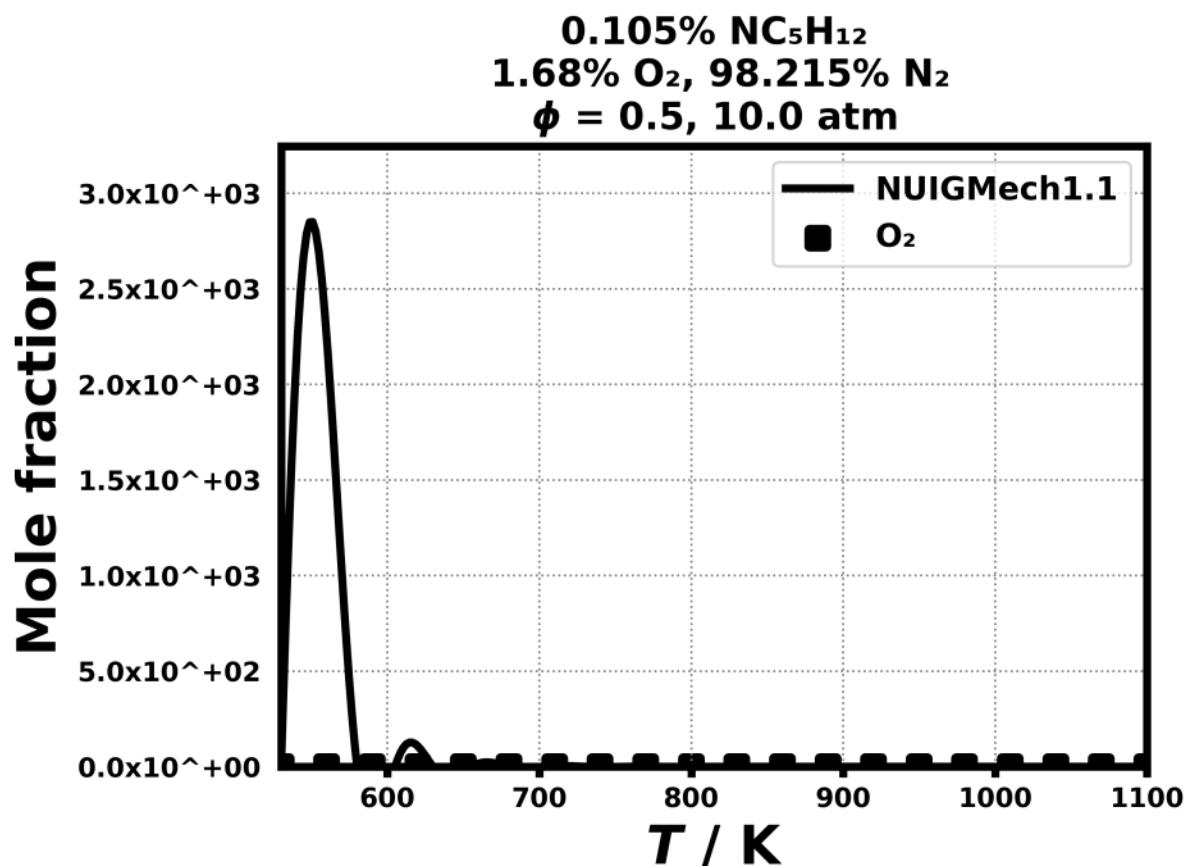


Figure 205: Dataset: 10_ATM_PHI_0.5

1.3.176 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

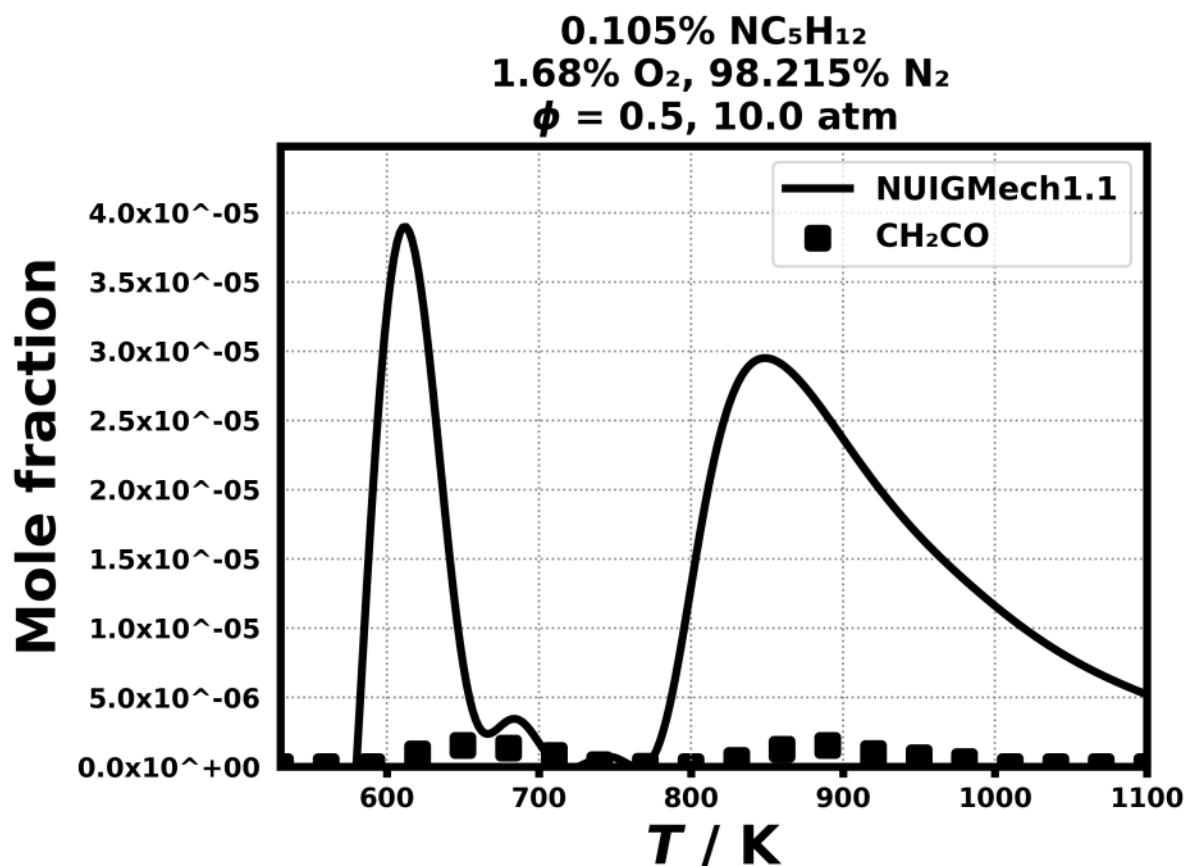


Figure 206: Dataset: 10_ATM_PHI_0.5

1.3.177 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

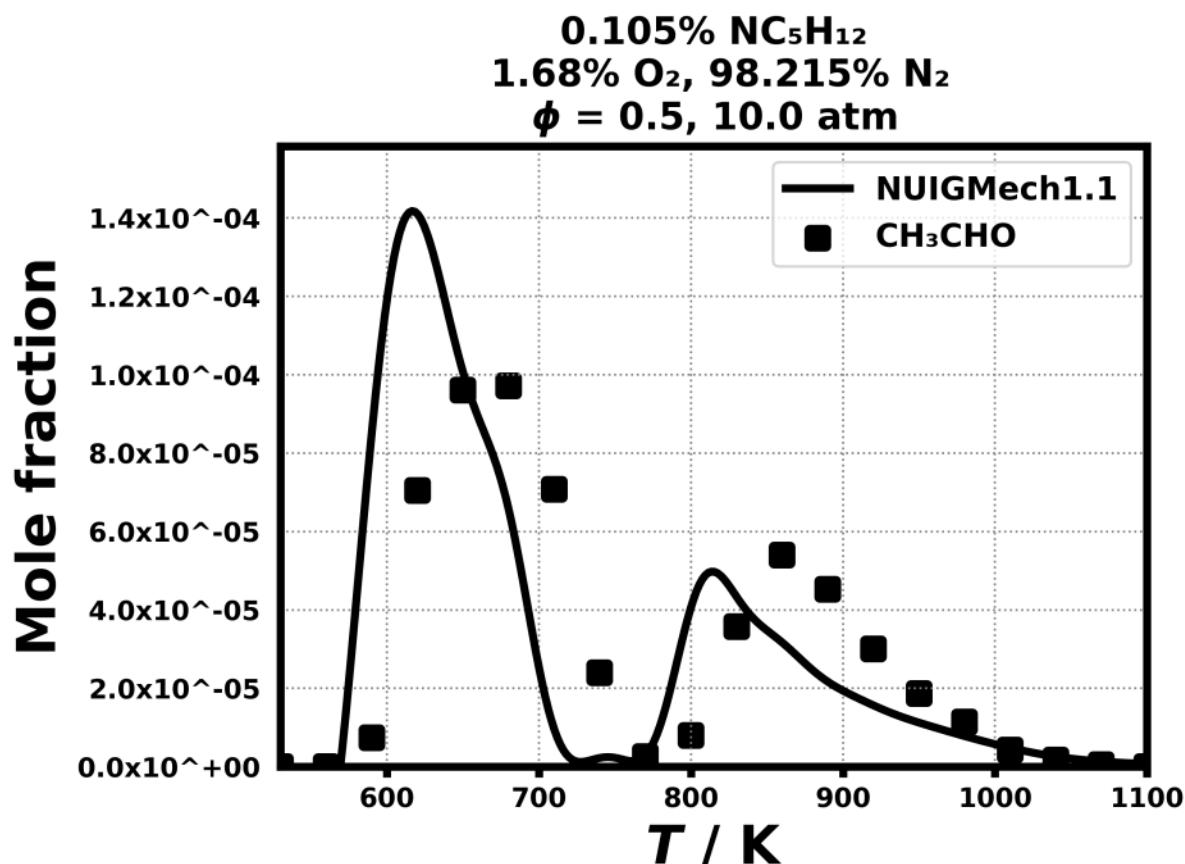


Figure 207: Dataset: 10_ATM_PHI_0.5

1.3.178 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

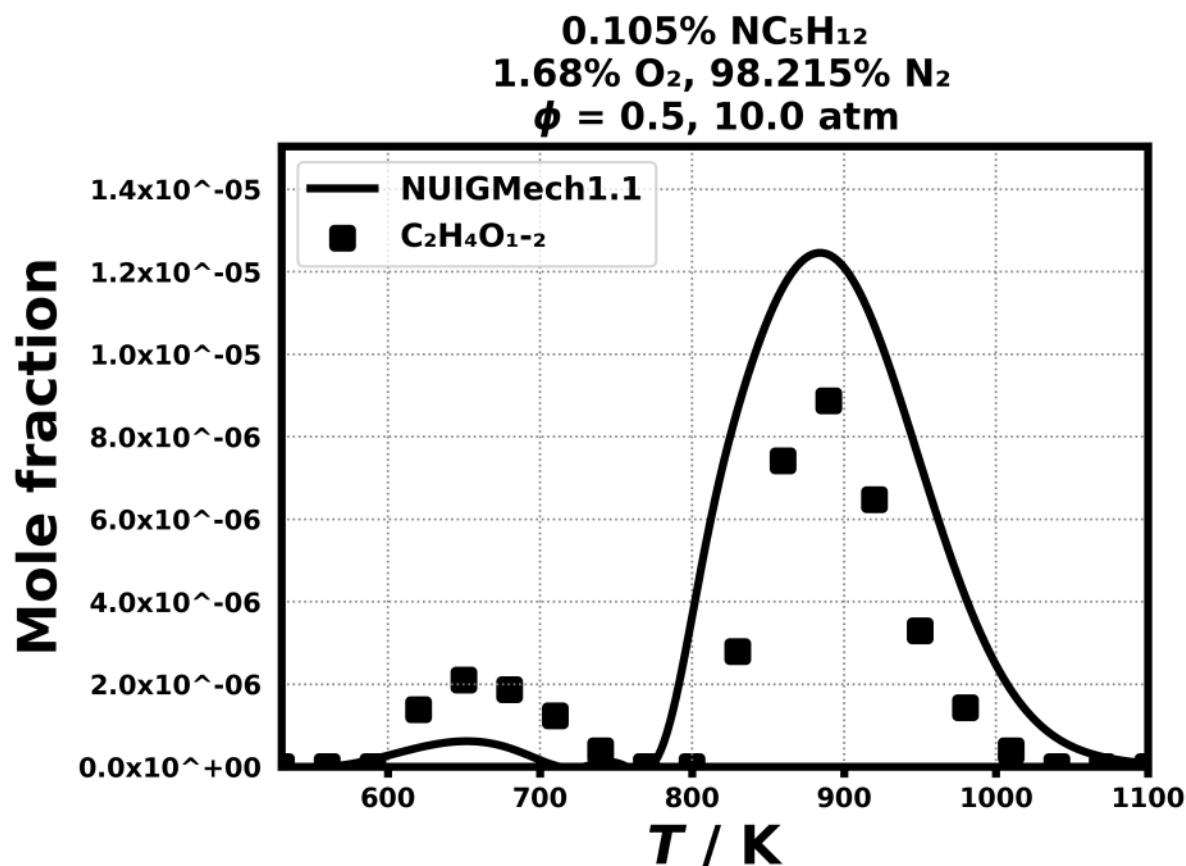


Figure 208: Dataset: 10_ATM_PHI_0.5

1.3.179 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

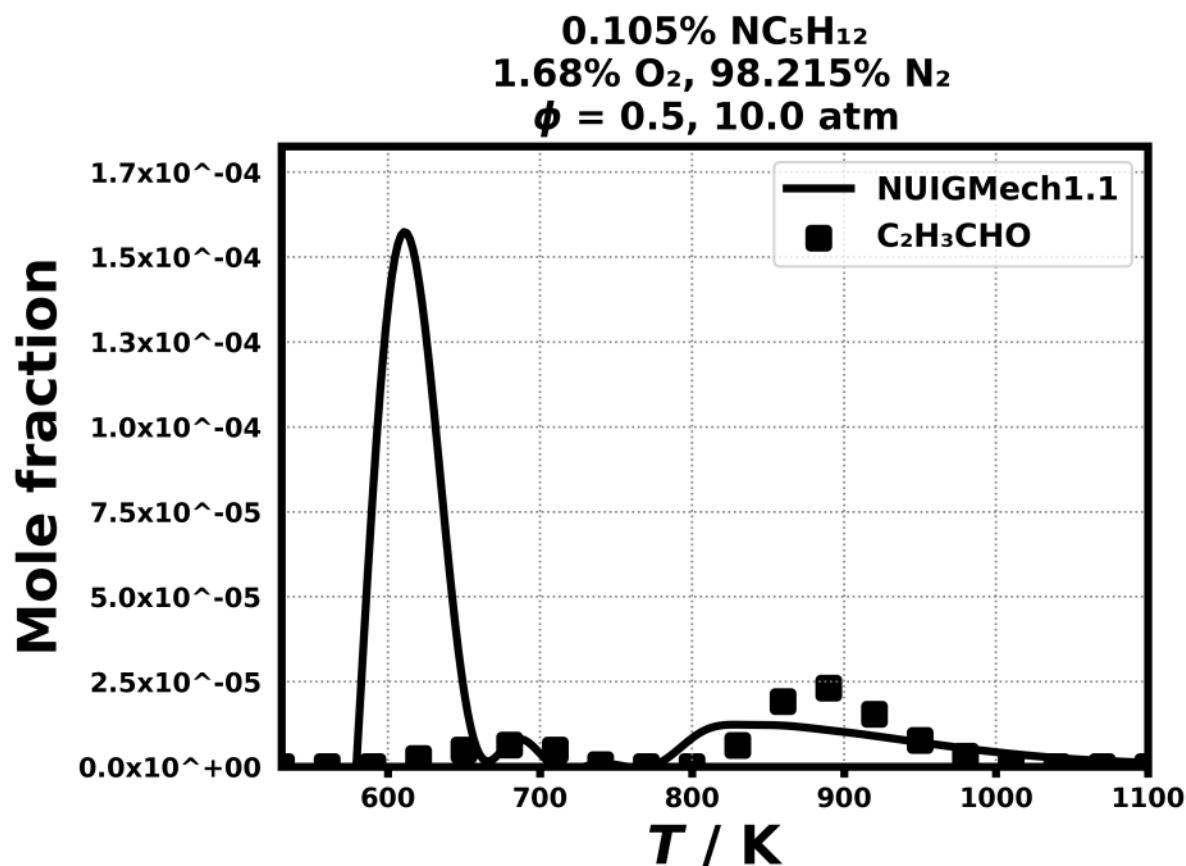


Figure 209: Dataset: 10_ATM_PHI_0.5

1.3.180 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

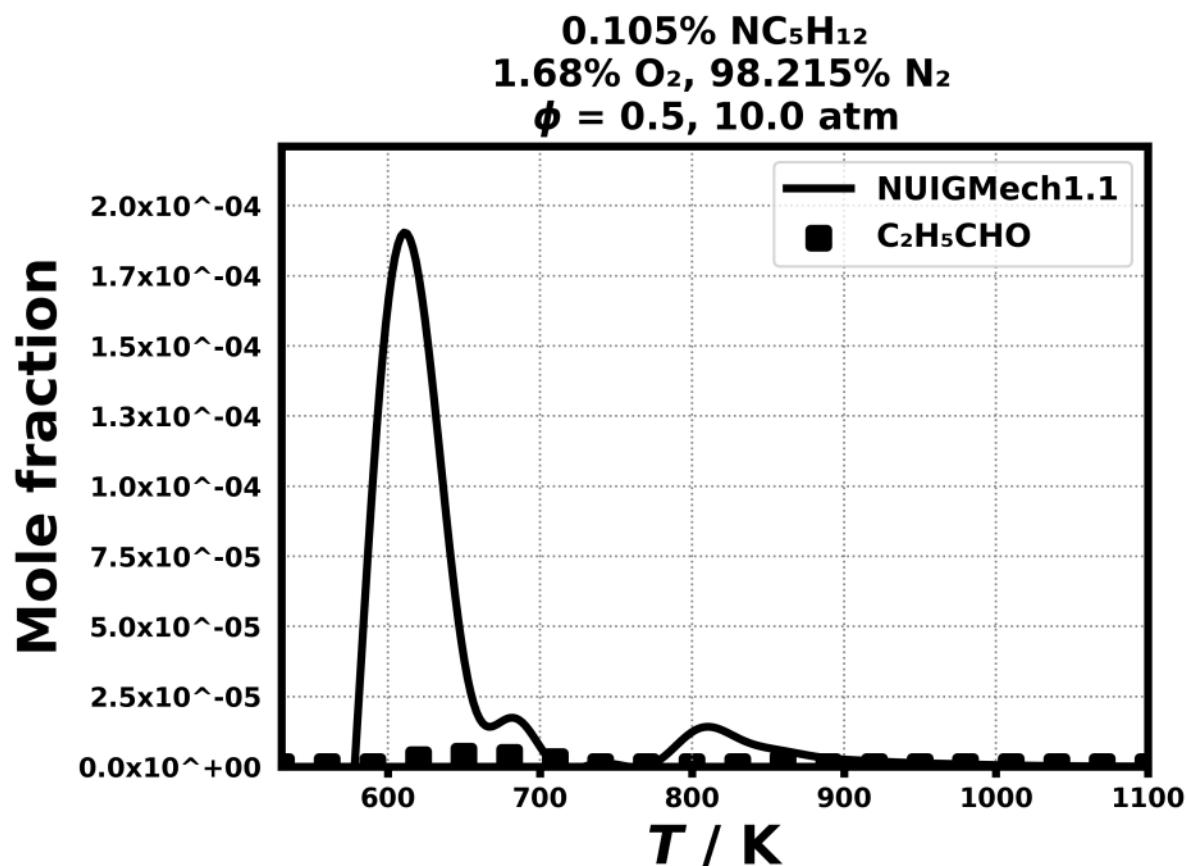


Figure 210: Dataset: 10_ATM_PHI_0.5

1.3.181 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

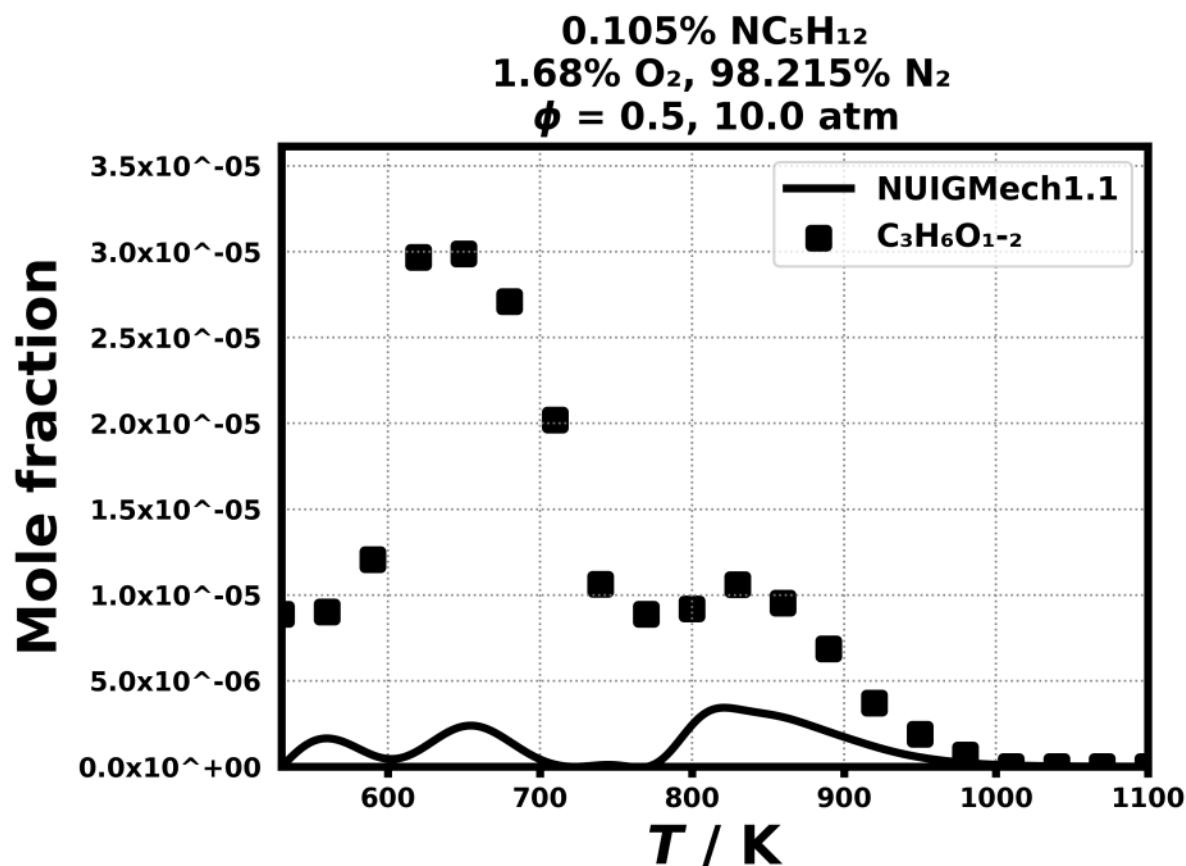


Figure 211: Dataset: 10_ATM_PHI_0.5

1.3.182 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

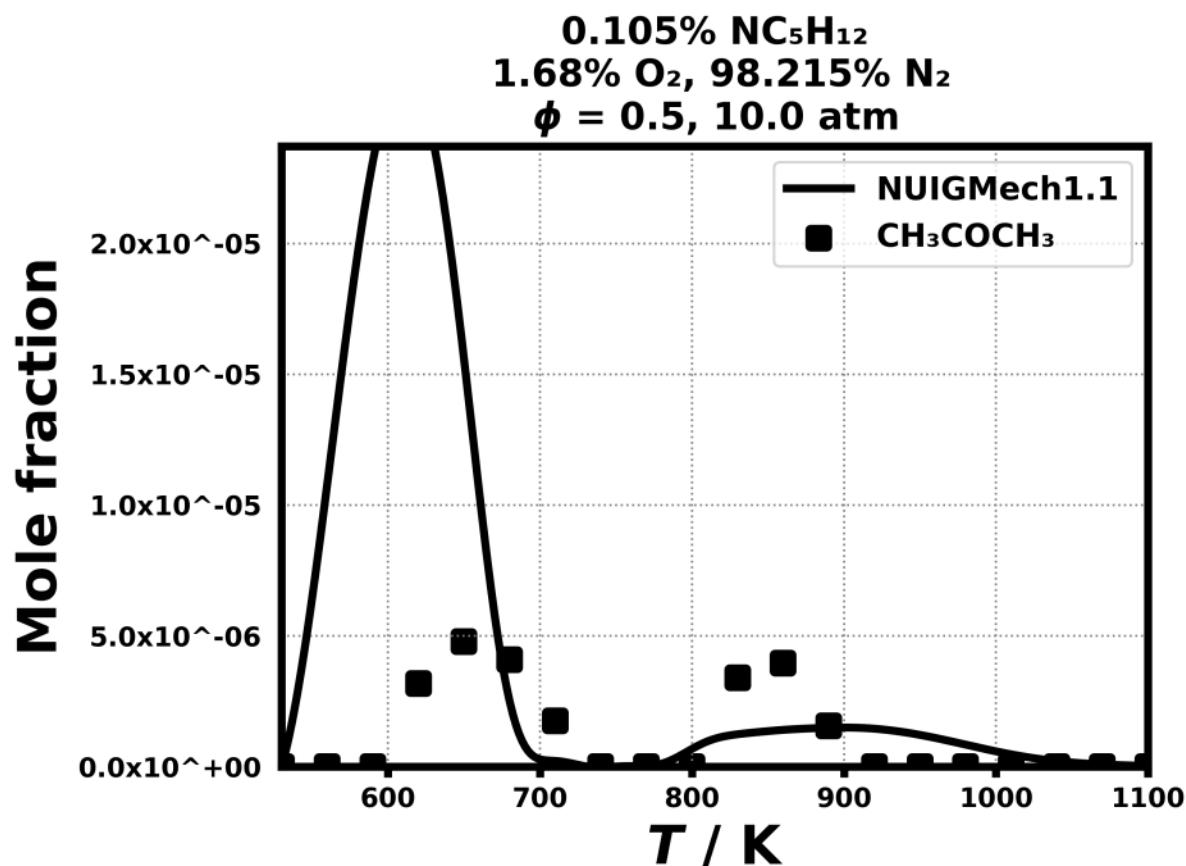


Figure 212: Dataset: 10_ATM_PHI_0.5

1.3.183 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

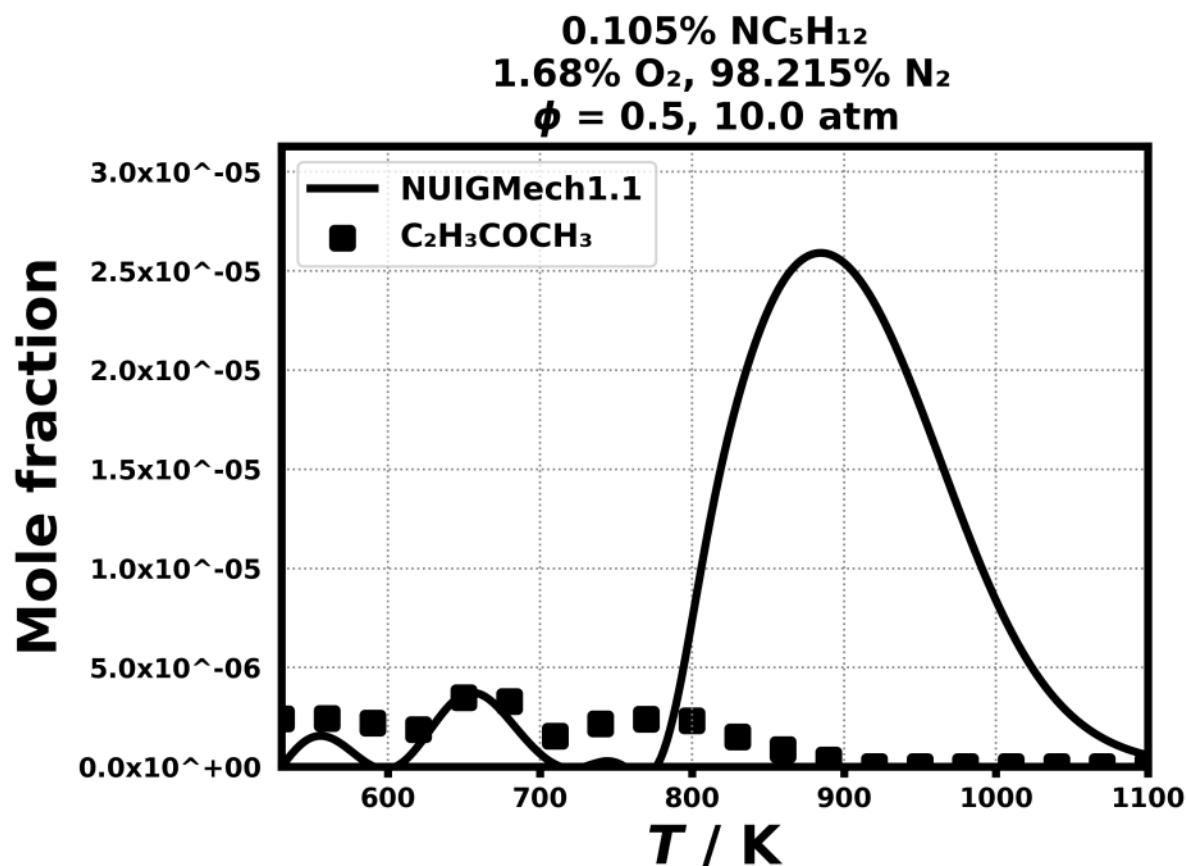


Figure 213: Dataset: 10_ATM_PHI_0.5

1.3.184 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

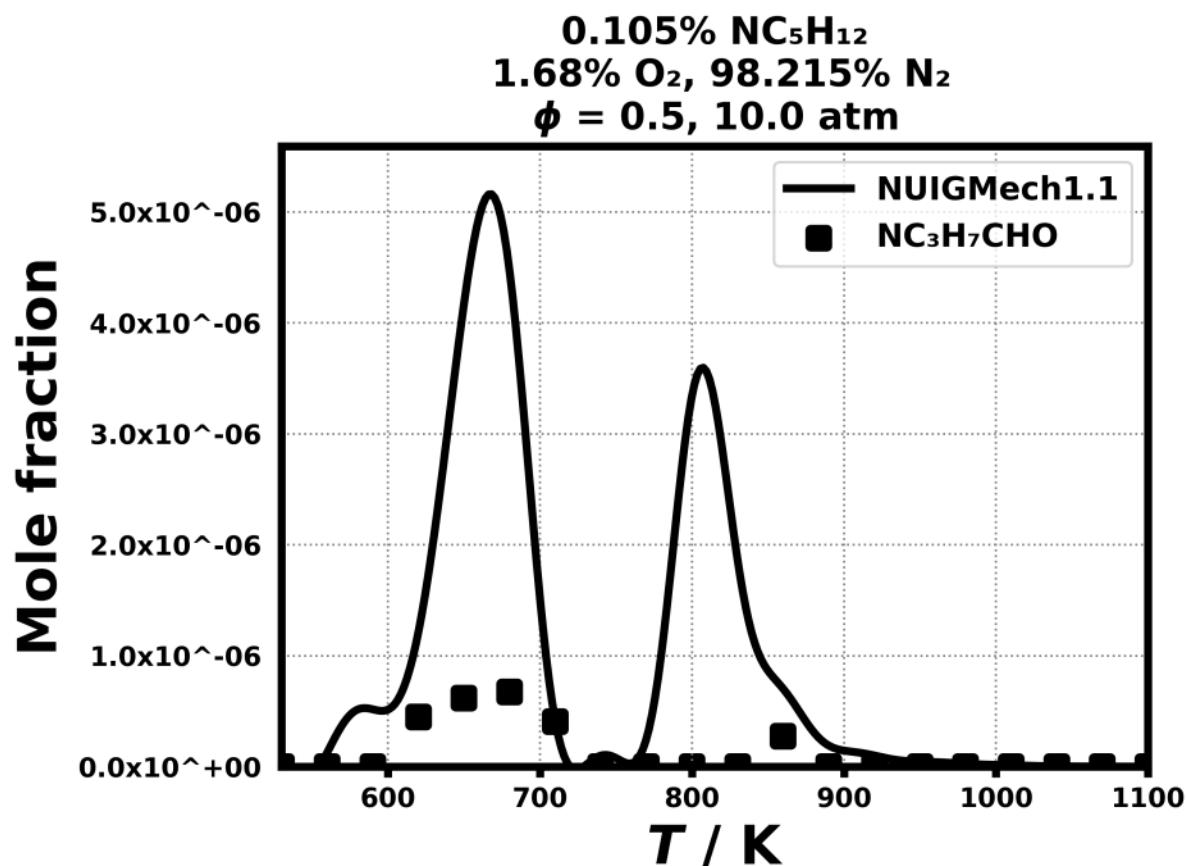


Figure 214: Dataset: 10_ATM_PHI_0.5

1.3.185 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

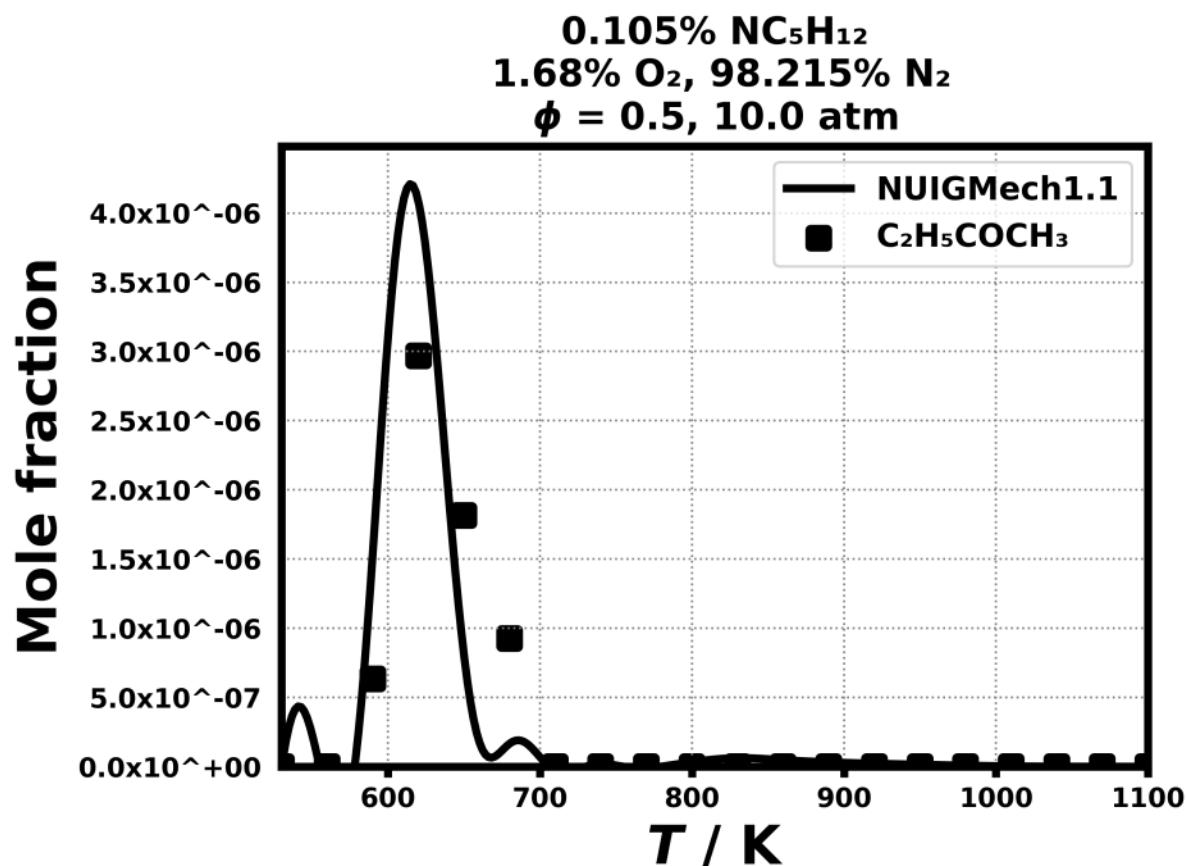


Figure 215: Dataset: 10_ATM_PHI_0.5

1.3.186 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

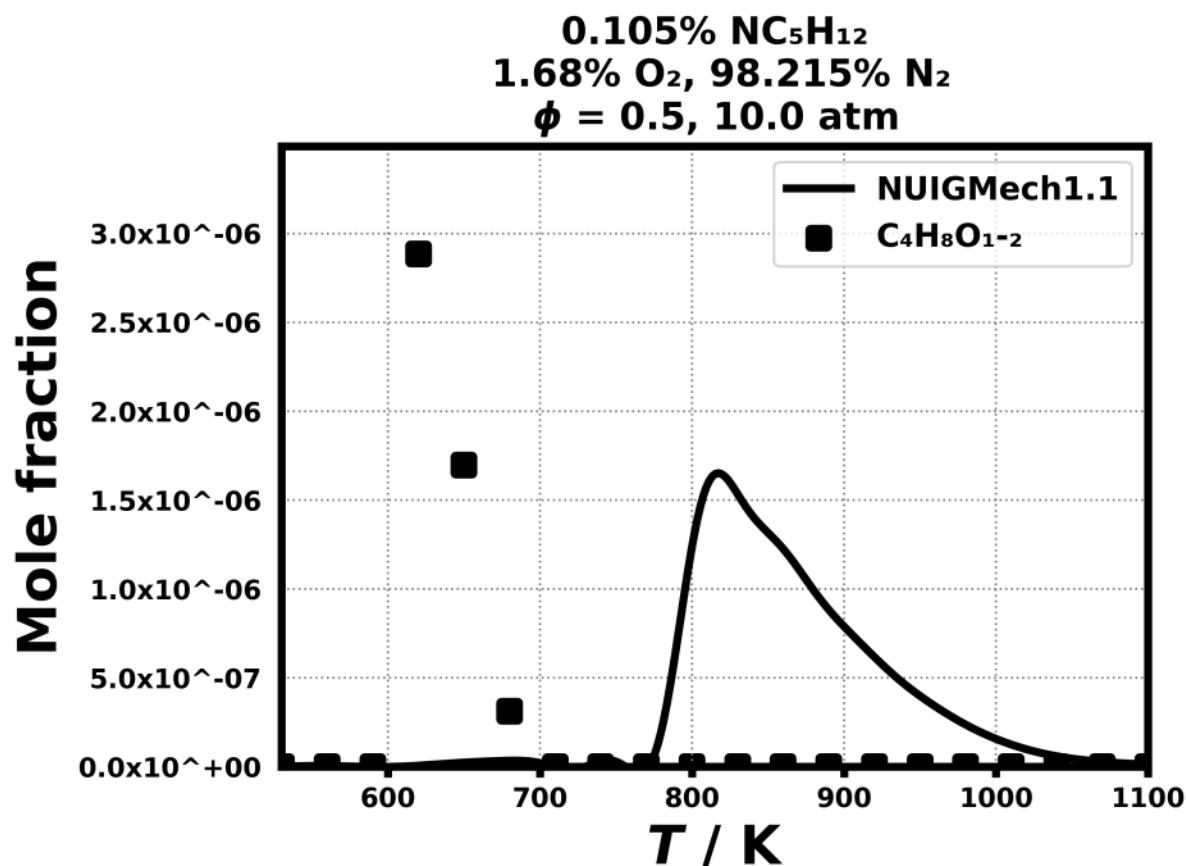


Figure 216: Dataset: 10_ATM_PHI_0.5

1.3.187 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

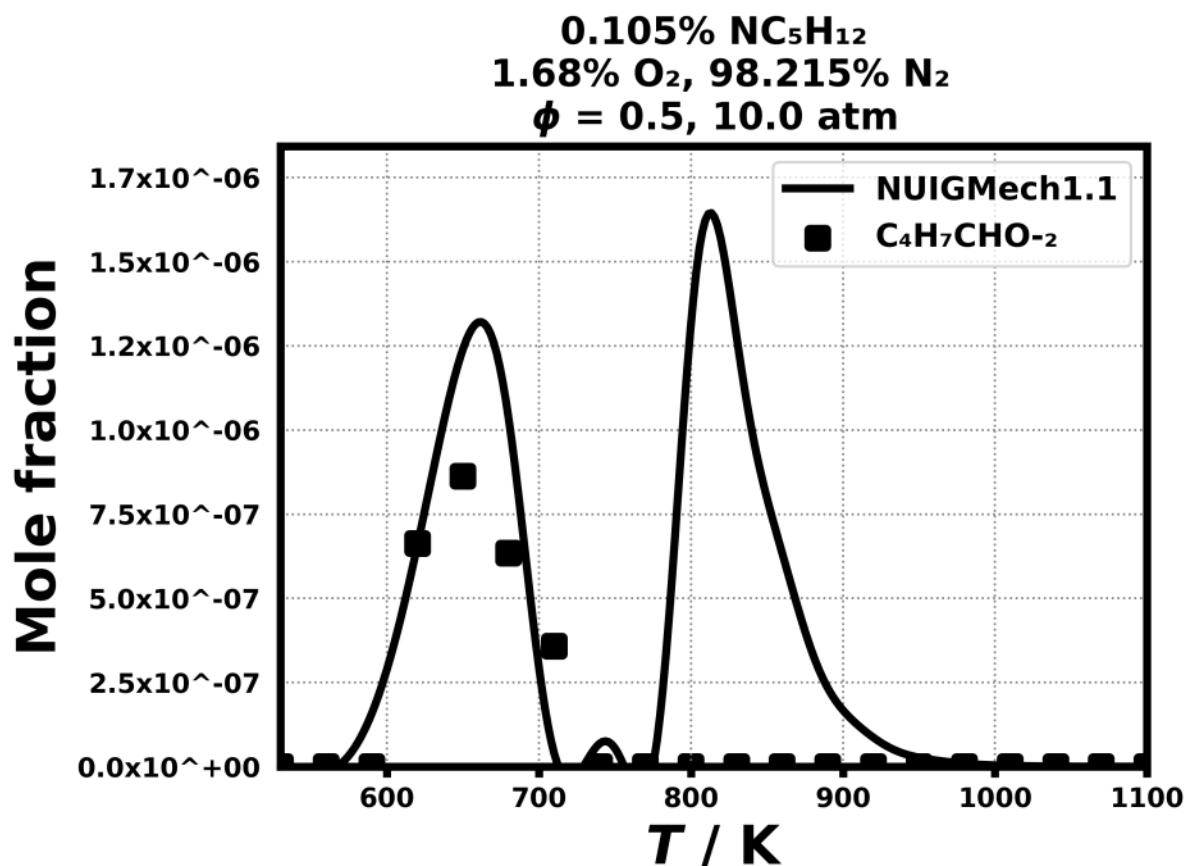


Figure 217: Dataset: 10_ATM_PHI_0.5

1.3.188 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

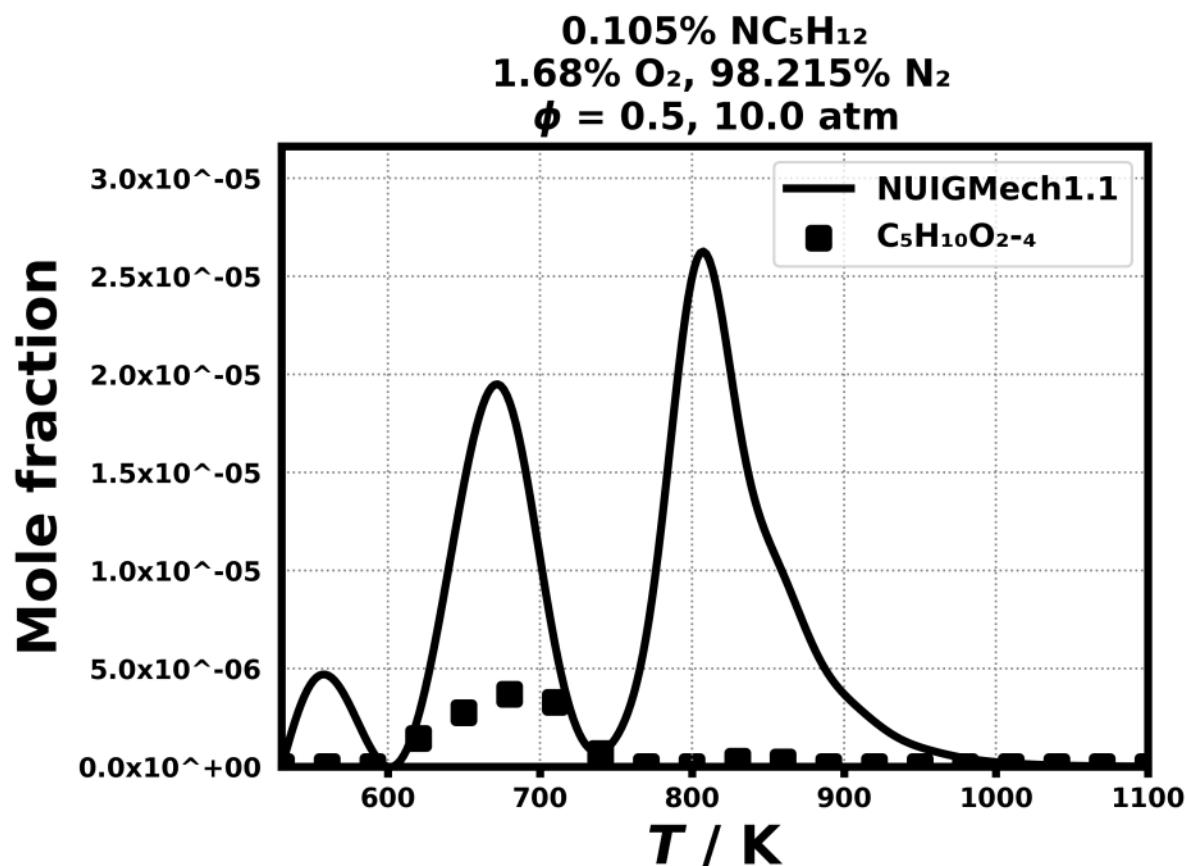


Figure 218: Dataset: 10_ATM_PHI_0.5

1.3.189 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

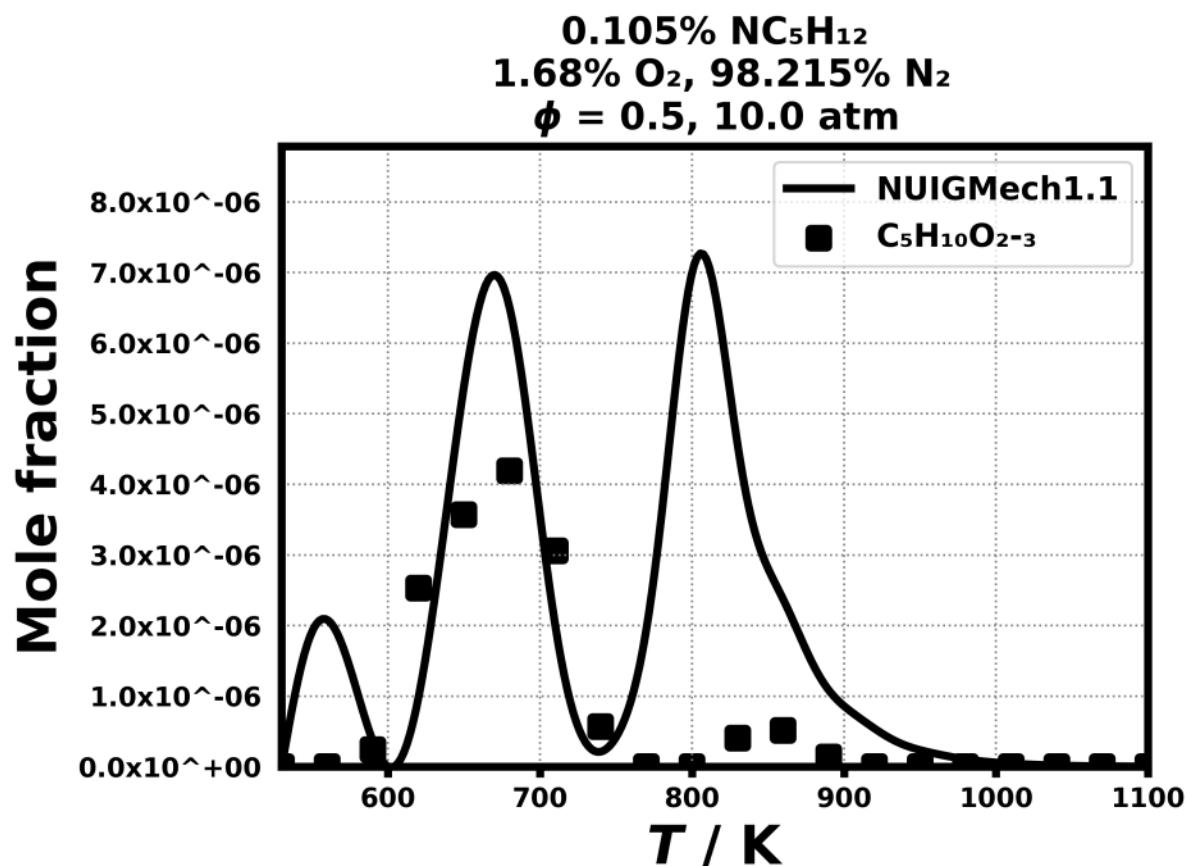


Figure 219: Dataset: 10_ATM_PHI_0.5

1.3.190 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

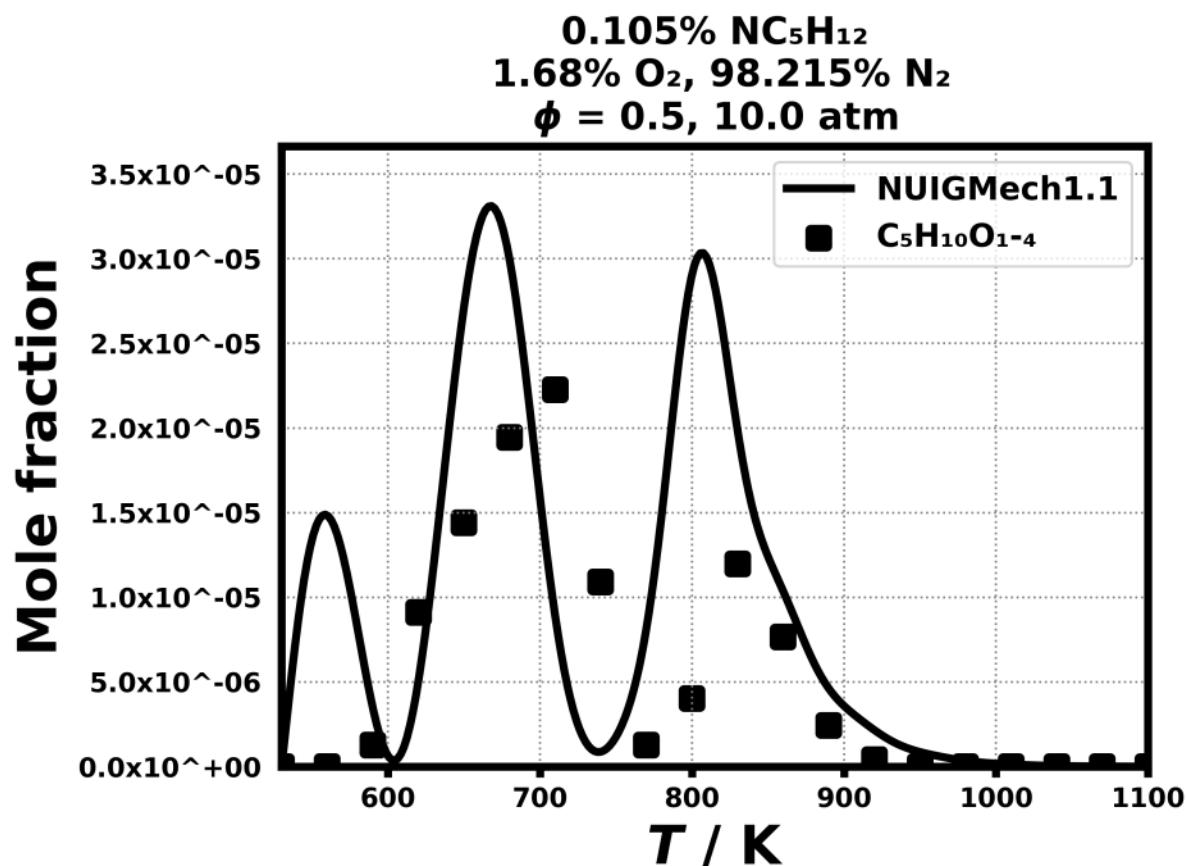


Figure 220: Dataset: 10_ATM_PHI_0.5

1.3.191 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_0.5

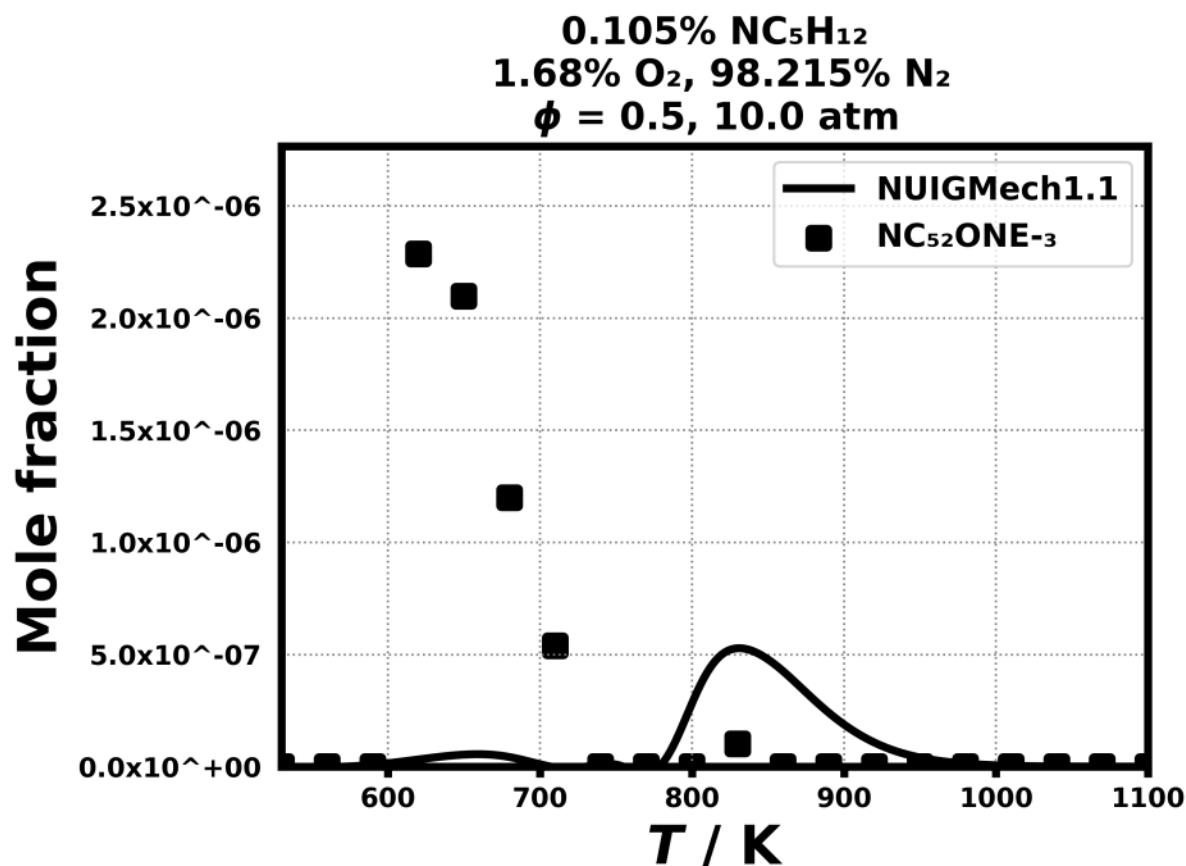


Figure 221: Dataset: 10_ATM_PHI_0.5

1.3.192 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

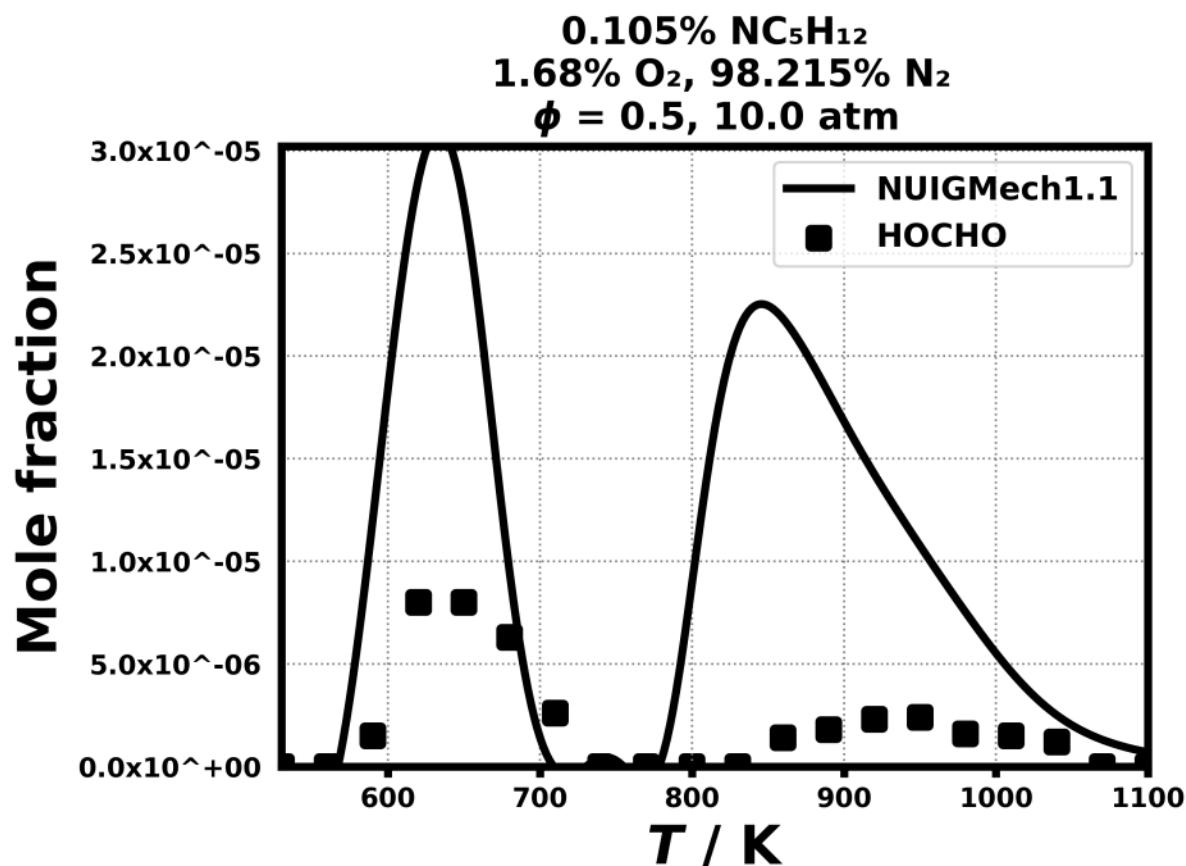


Figure 222: Dataset: 10_ATM_PHI_0.5

1.3.193 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_0.5

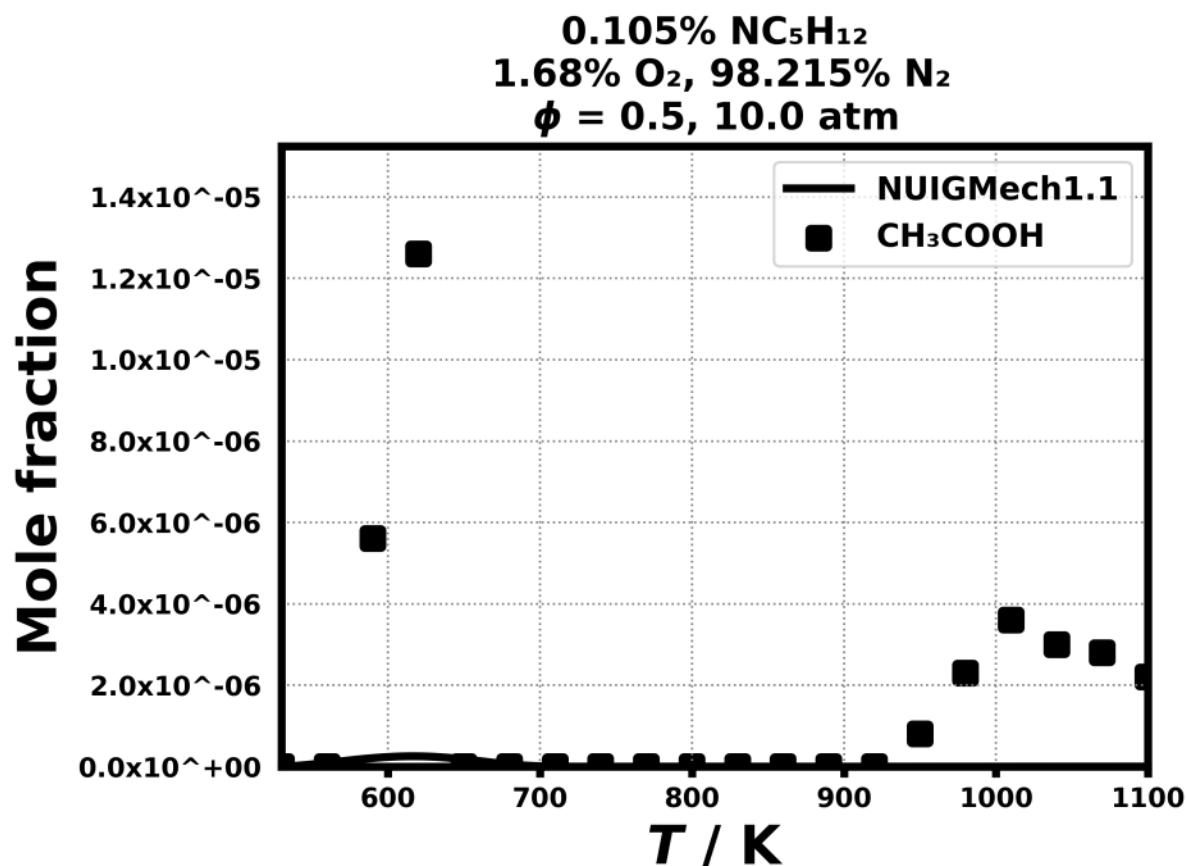


Figure 223: Dataset: 10_ATM_PHI_0.5

1.3.194 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

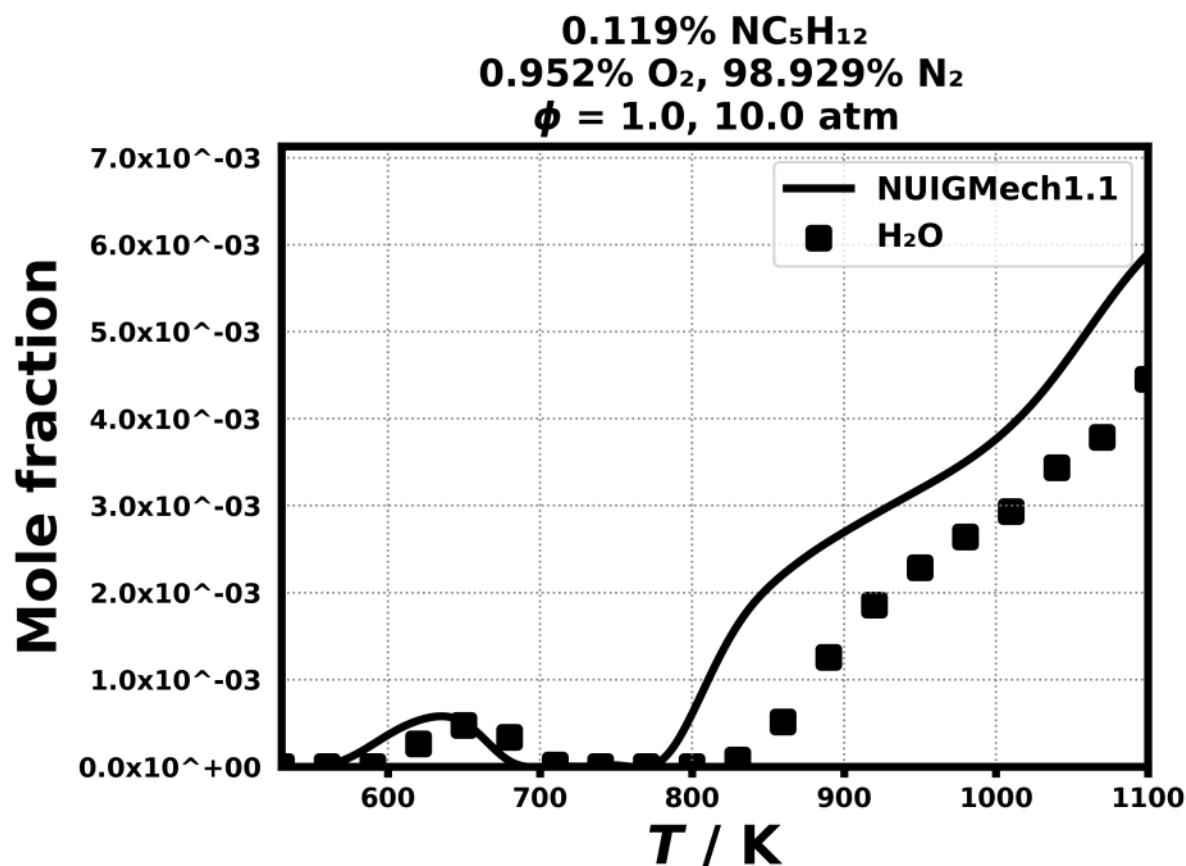


Figure 224: Dataset: 10_ATM_Phi_1.0

1.3.195 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

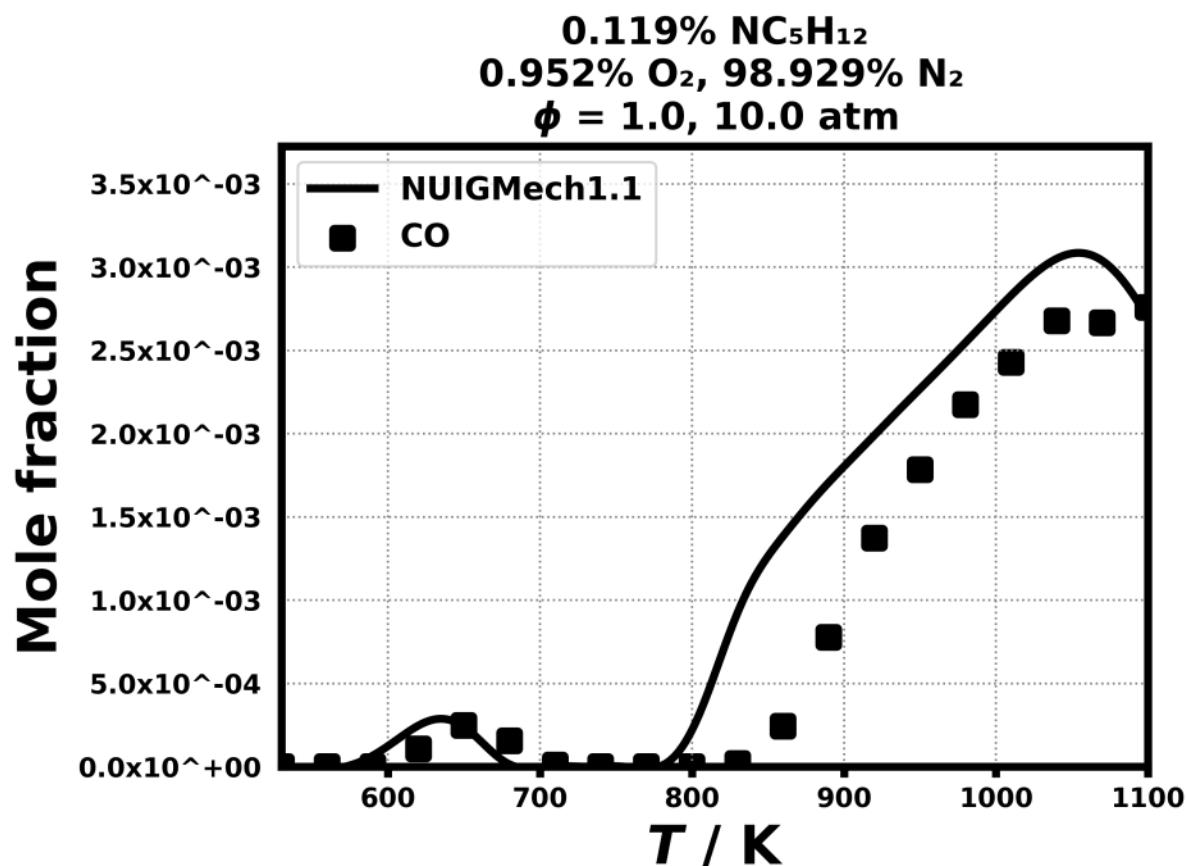


Figure 225: Dataset: 10_ATM_PHI_1.0

1.3.196 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

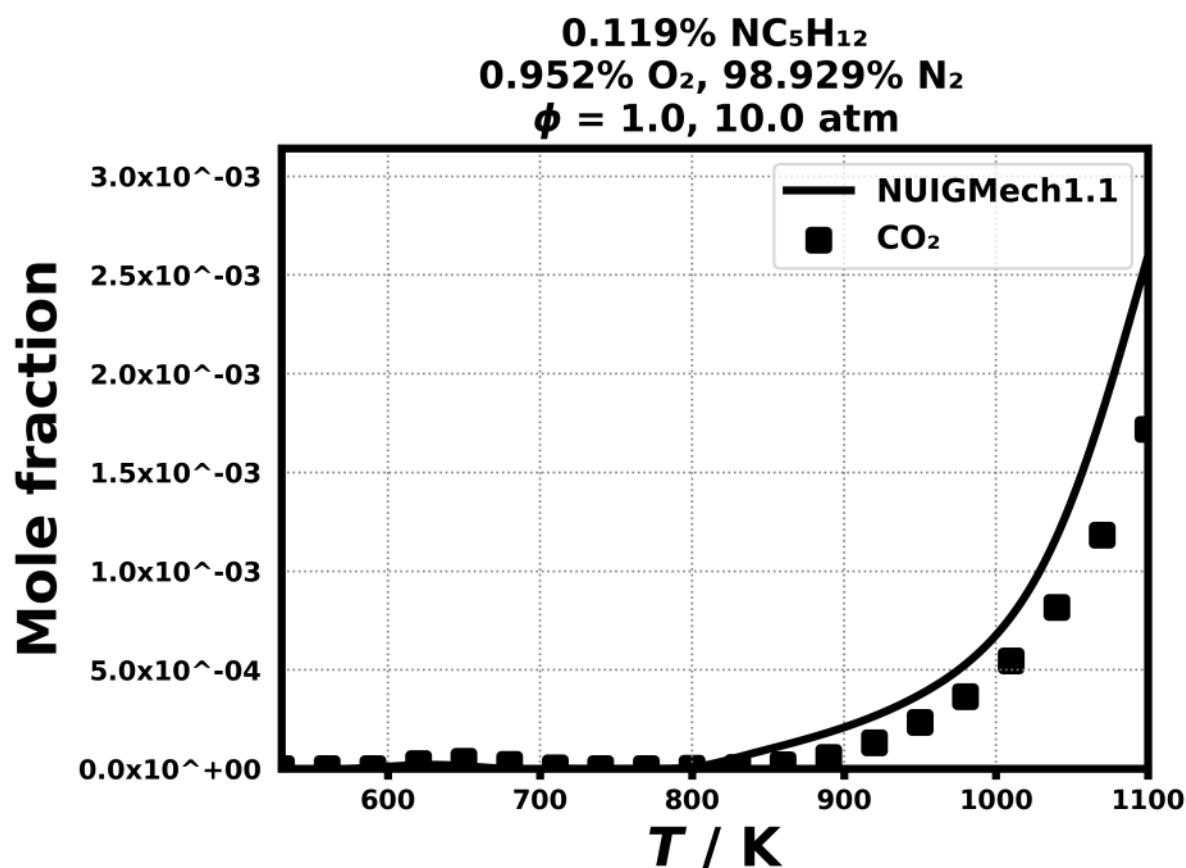


Figure 226: Dataset: 10_ATM_PHI_1.0

1.3.197 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

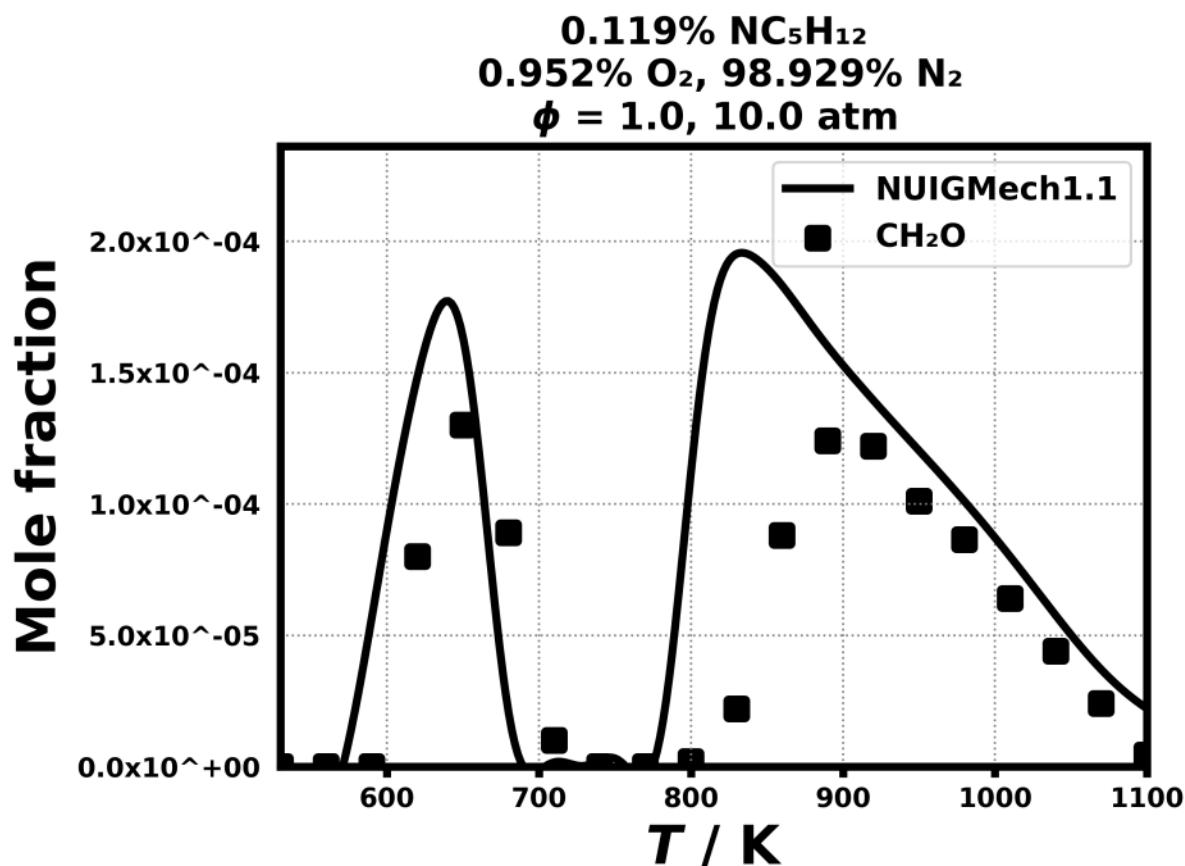


Figure 227: Dataset: 10_ATM_Phi_1.0

1.3.198 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

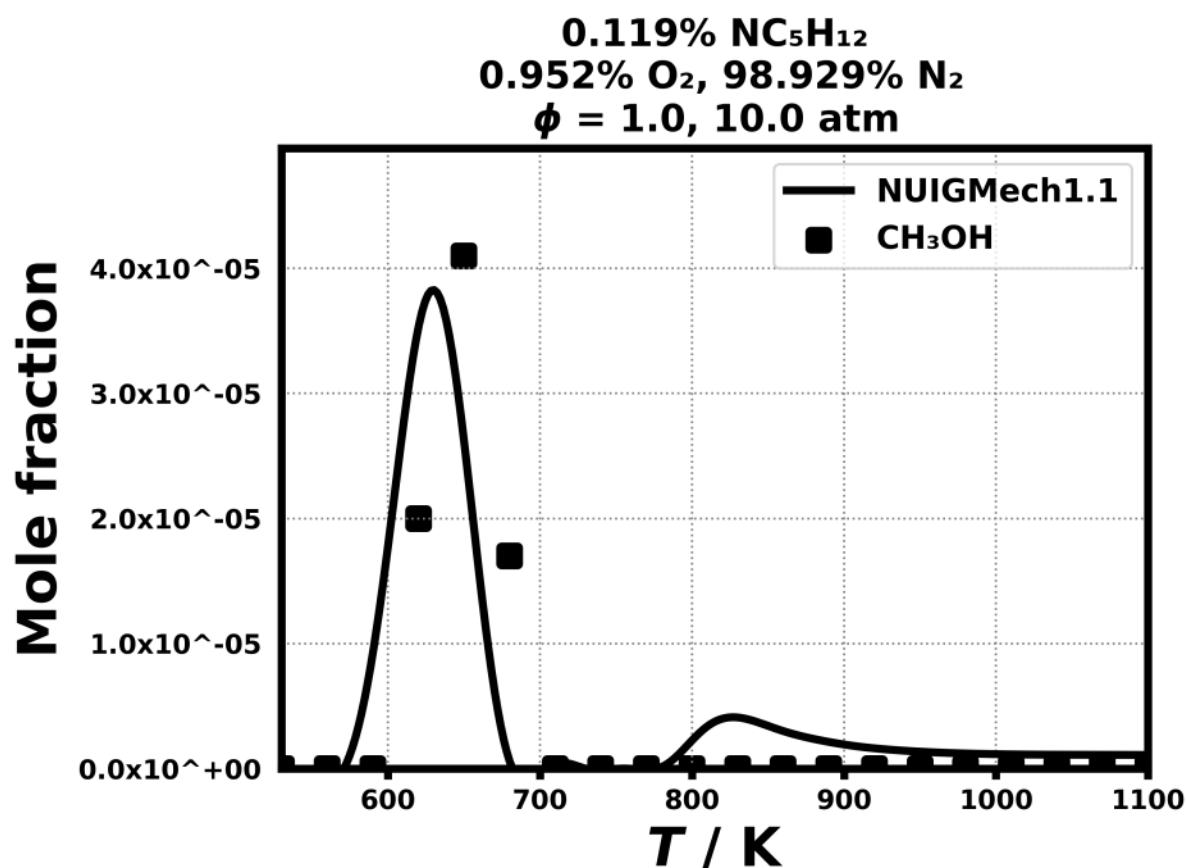


Figure 228: Dataset: 10_ATM_PHI_1.0

1.3.199 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

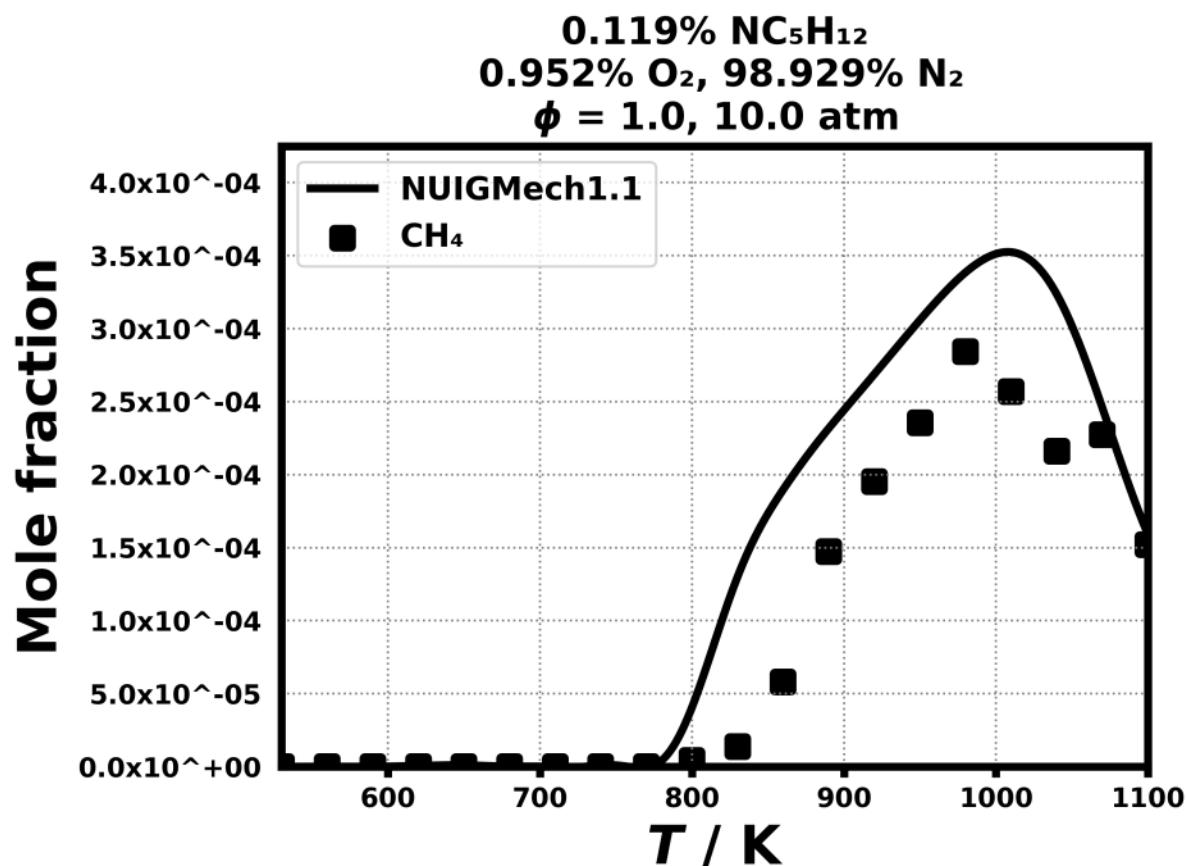


Figure 229: Dataset: 10_ATM_Phi_1.0

1.3.200 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

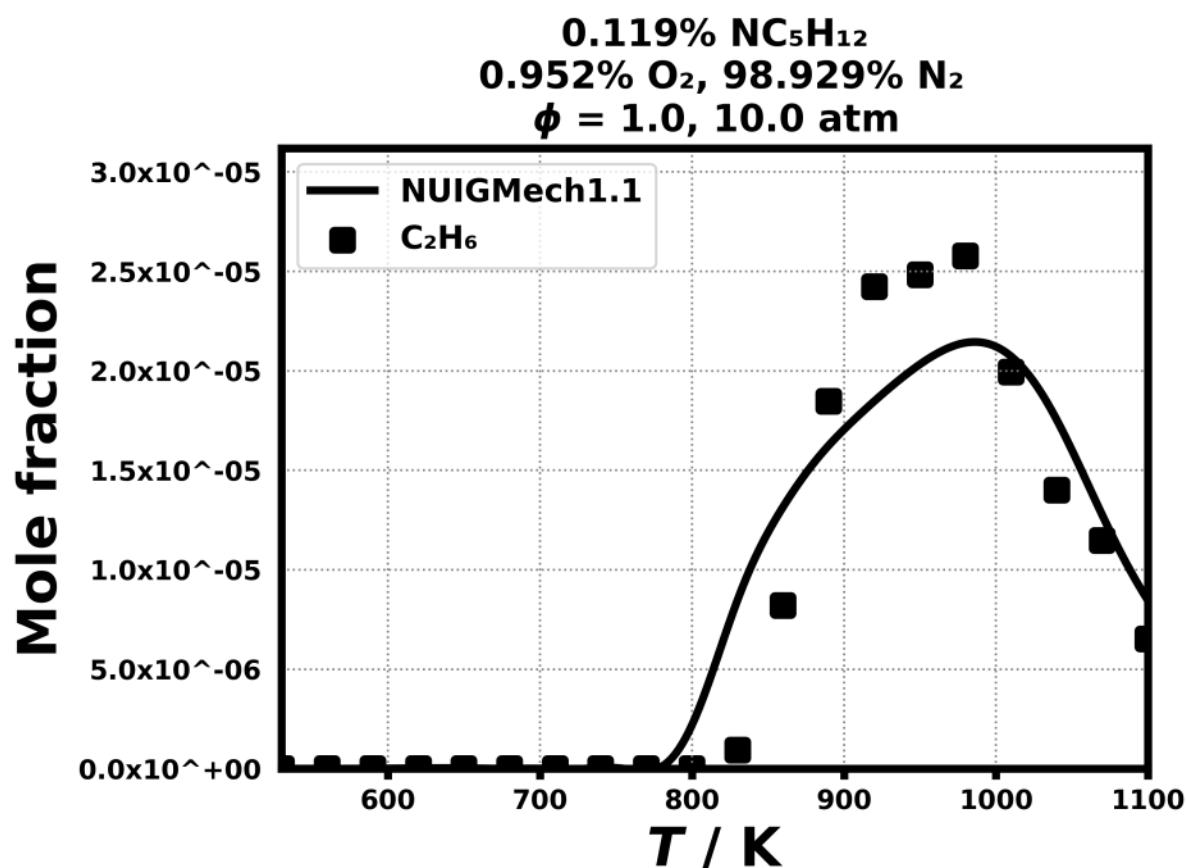


Figure 230: Dataset: 10_ATM_PHI_1.0

1.3.201 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

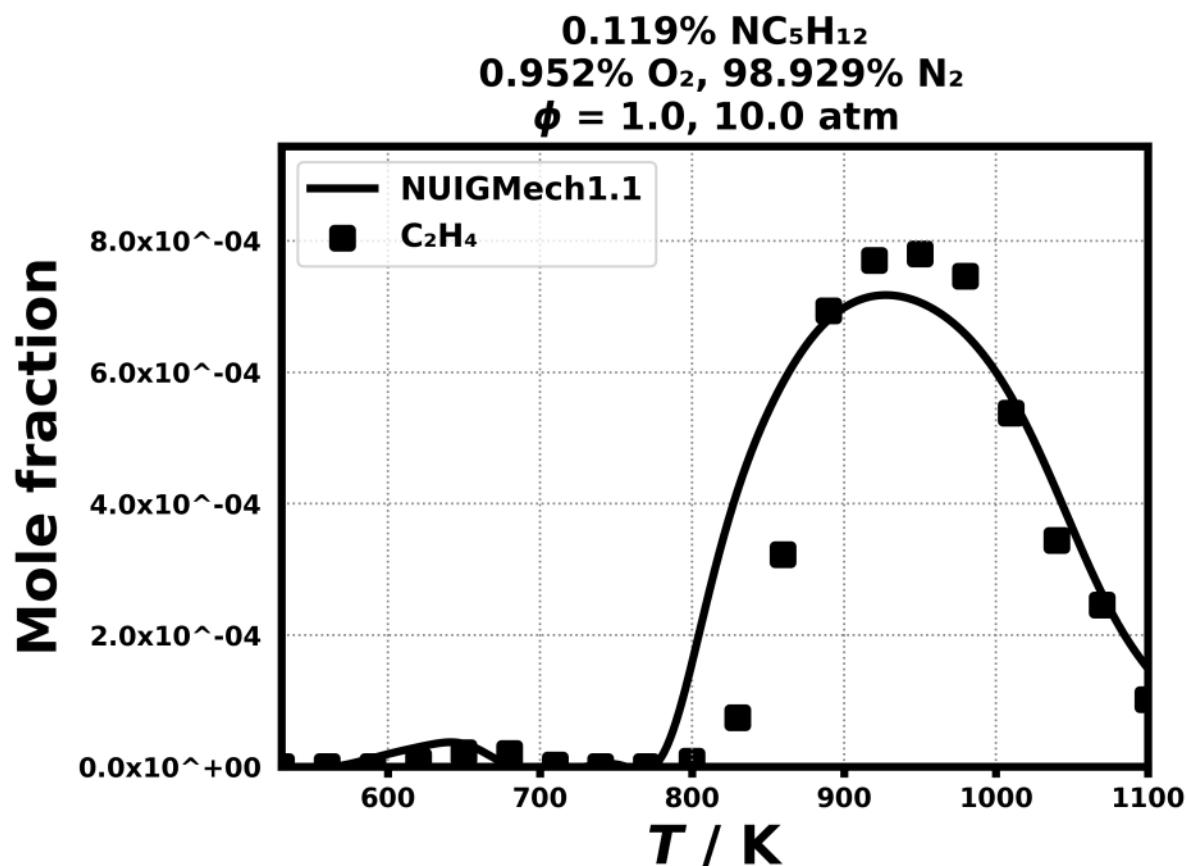


Figure 231: Dataset: 10_ATM_Phi_1.0

1.3.202 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

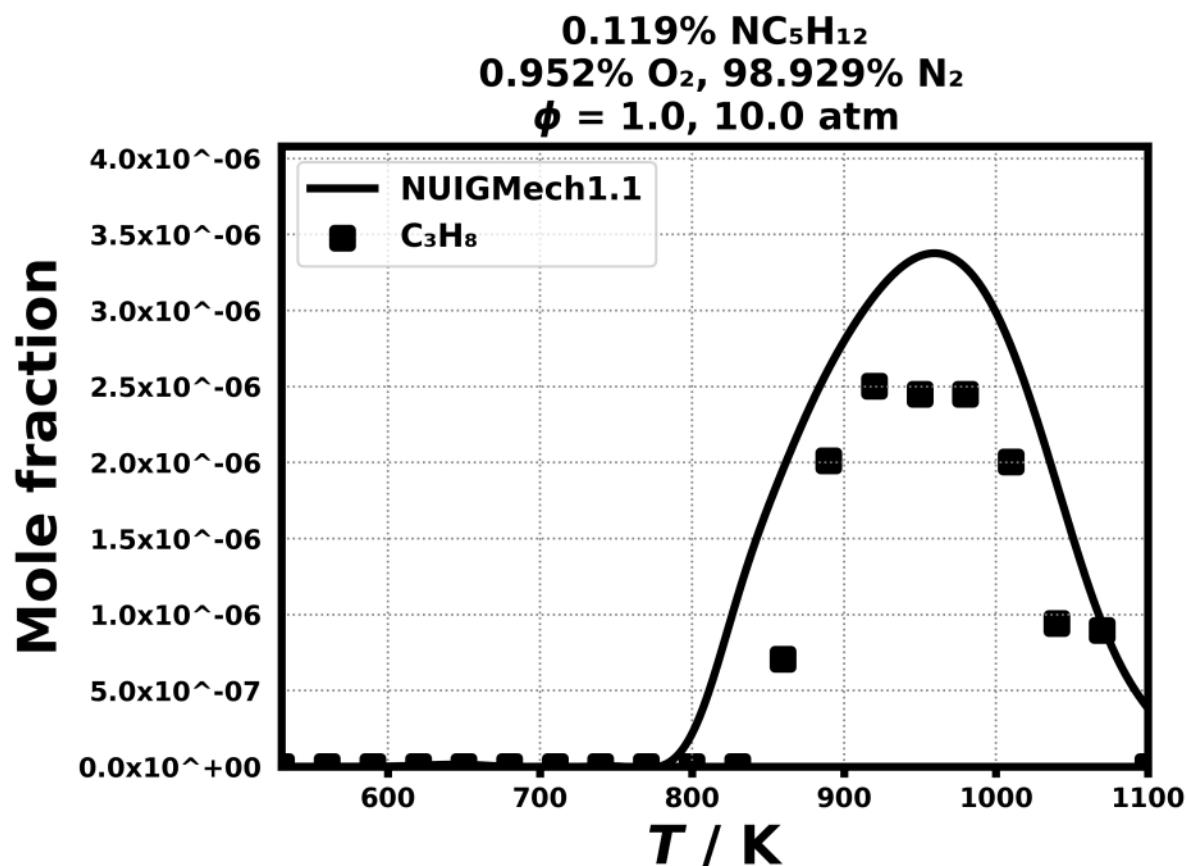


Figure 232: Dataset: 10_ATM_PHI_1.0

1.3.203 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

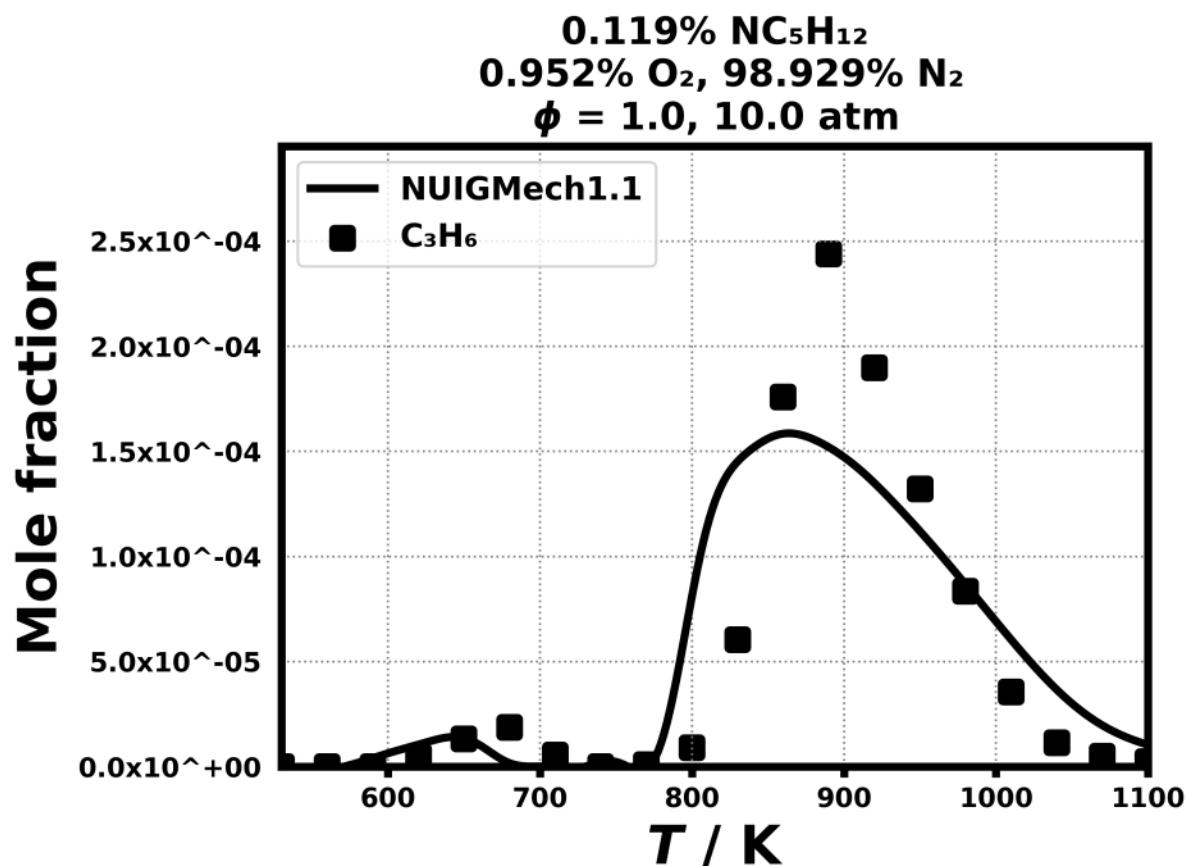


Figure 233: Dataset: 10_ATM_Phi_1.0

1.3.204 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

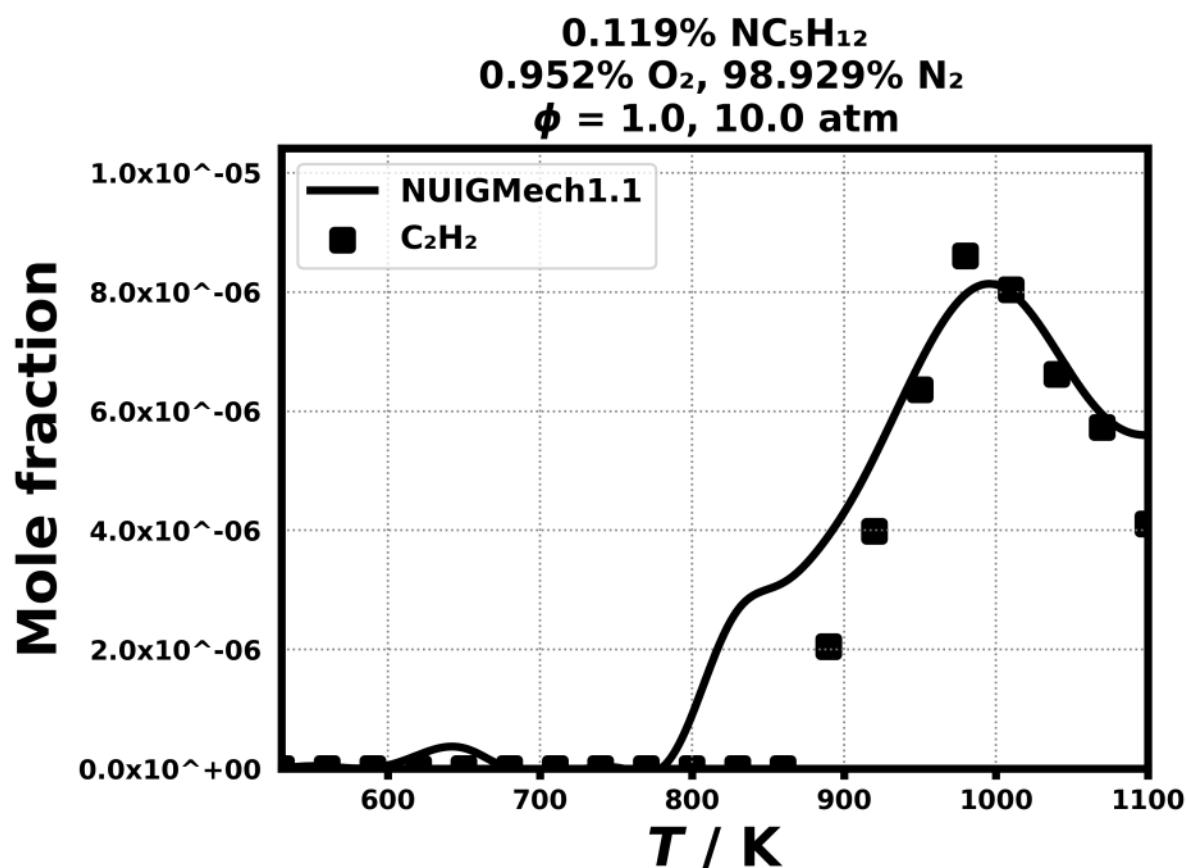


Figure 234: Dataset: 10_ATM_Phi_1.0

1.3.205 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

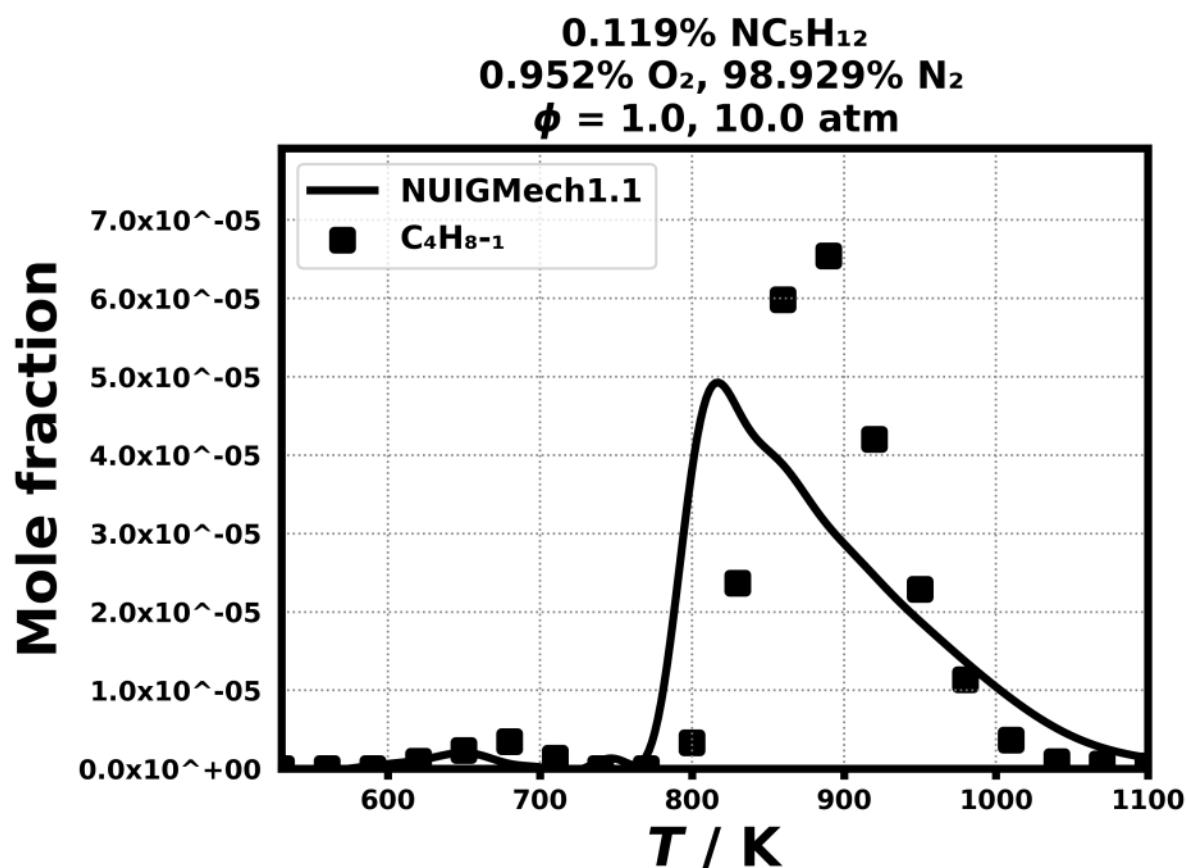


Figure 235: Dataset: 10_ATM_PHI_1.0

1.3.206 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

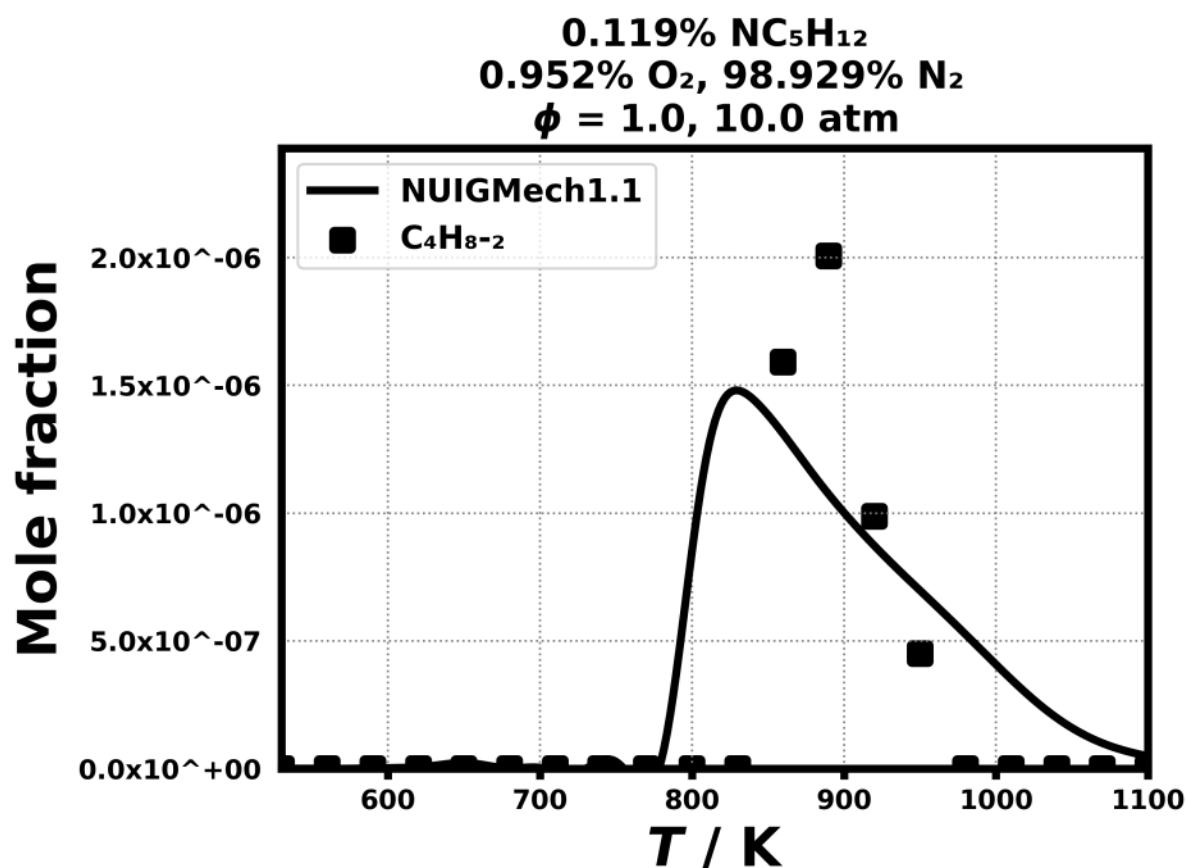


Figure 236: Dataset: 10_ATM_PHI_1.0

1.3.207 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

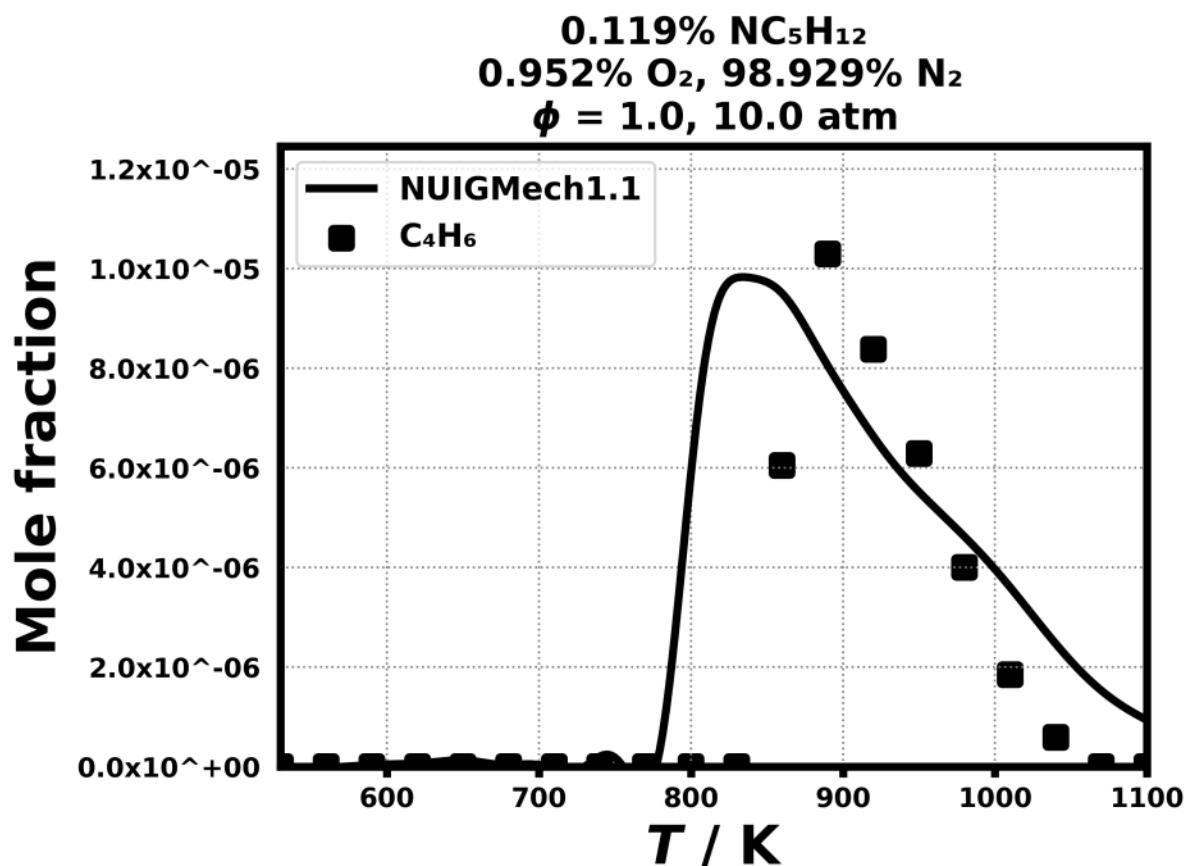


Figure 237: Dataset: 10_ATM_PHI_1.0

1.3.208 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

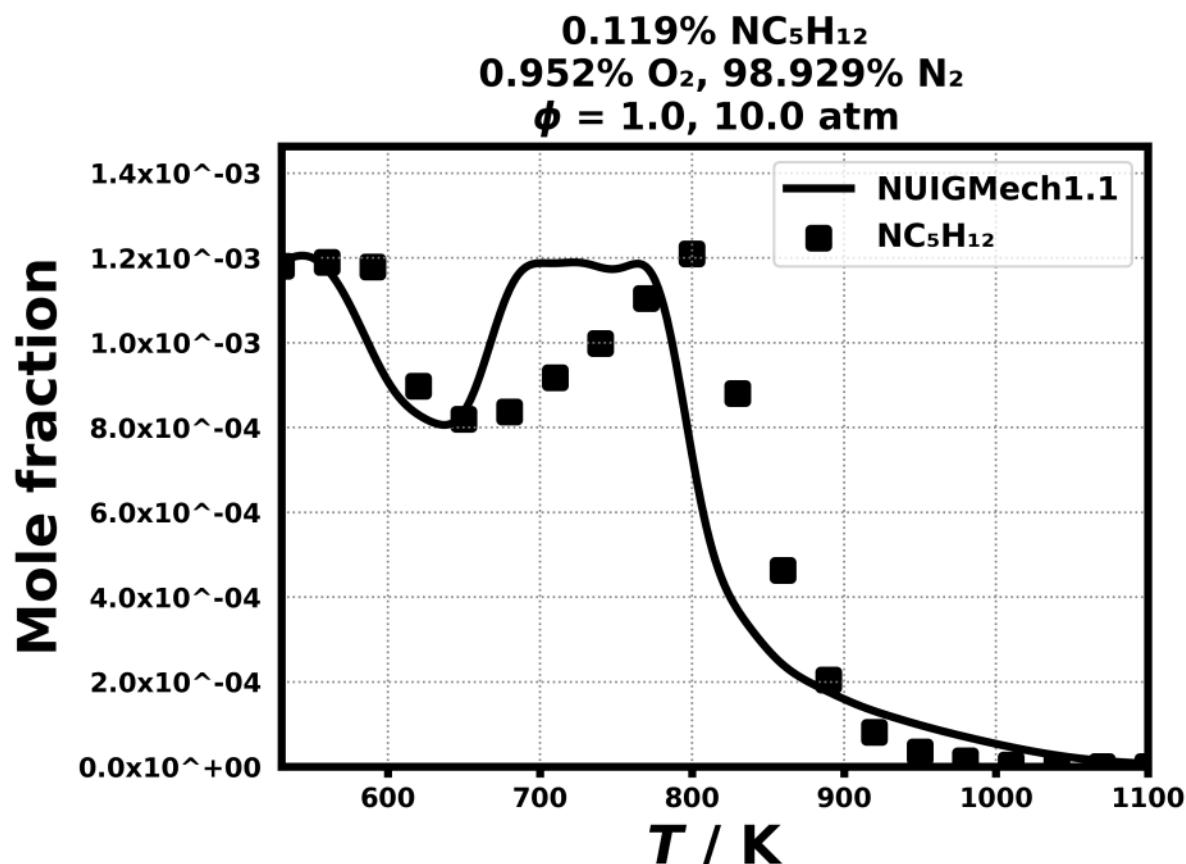


Figure 238: Dataset: 10_ATM_Phi_1.0

1.3.209 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

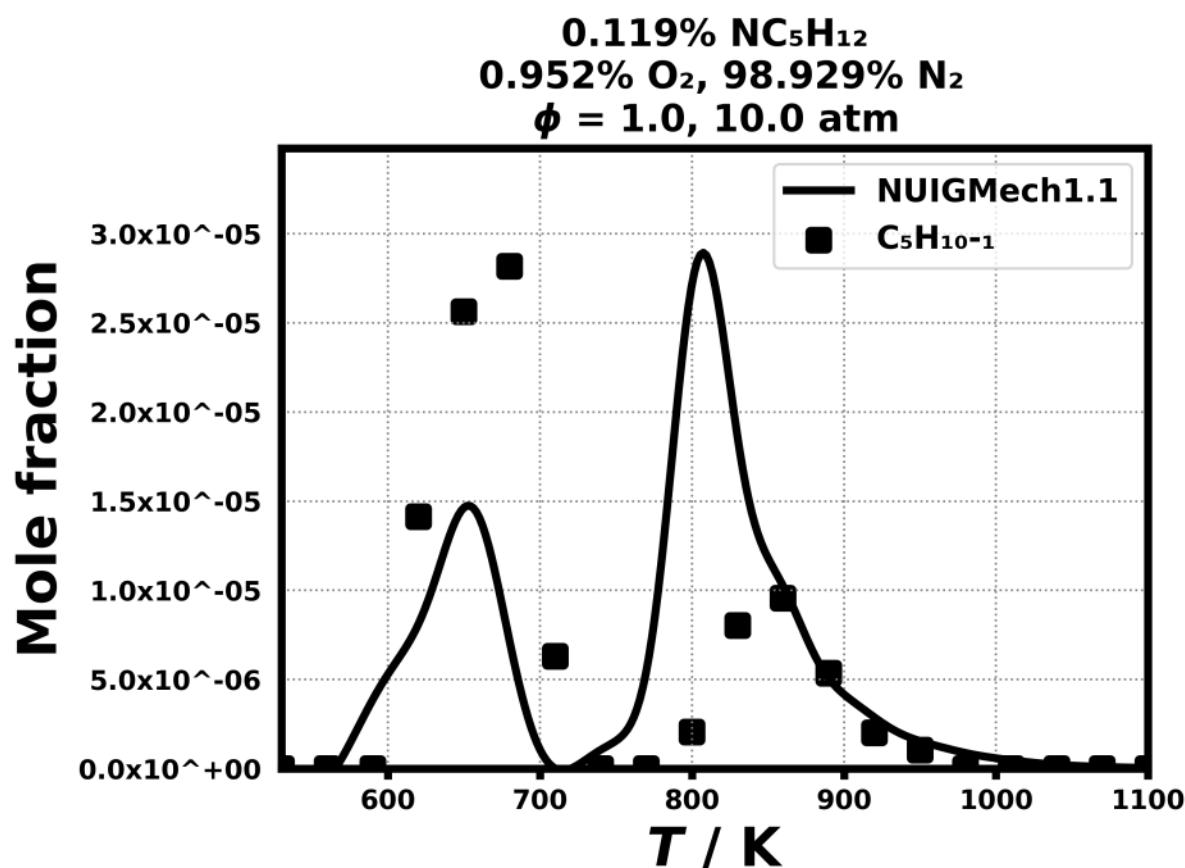


Figure 239: Dataset: 10_ATM_Phi_1.0

1.3.210 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

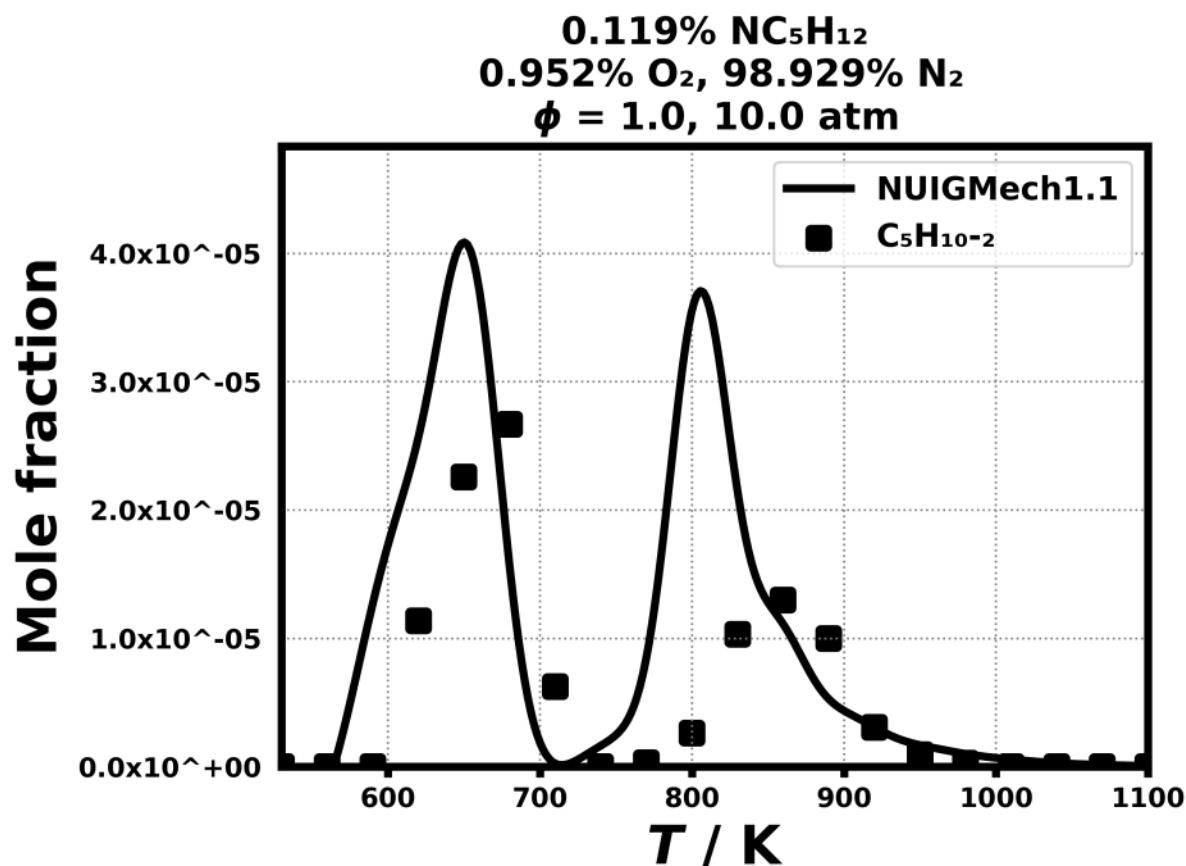


Figure 240: Dataset: 10_ATM_PHI_1.0

1.3.211 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

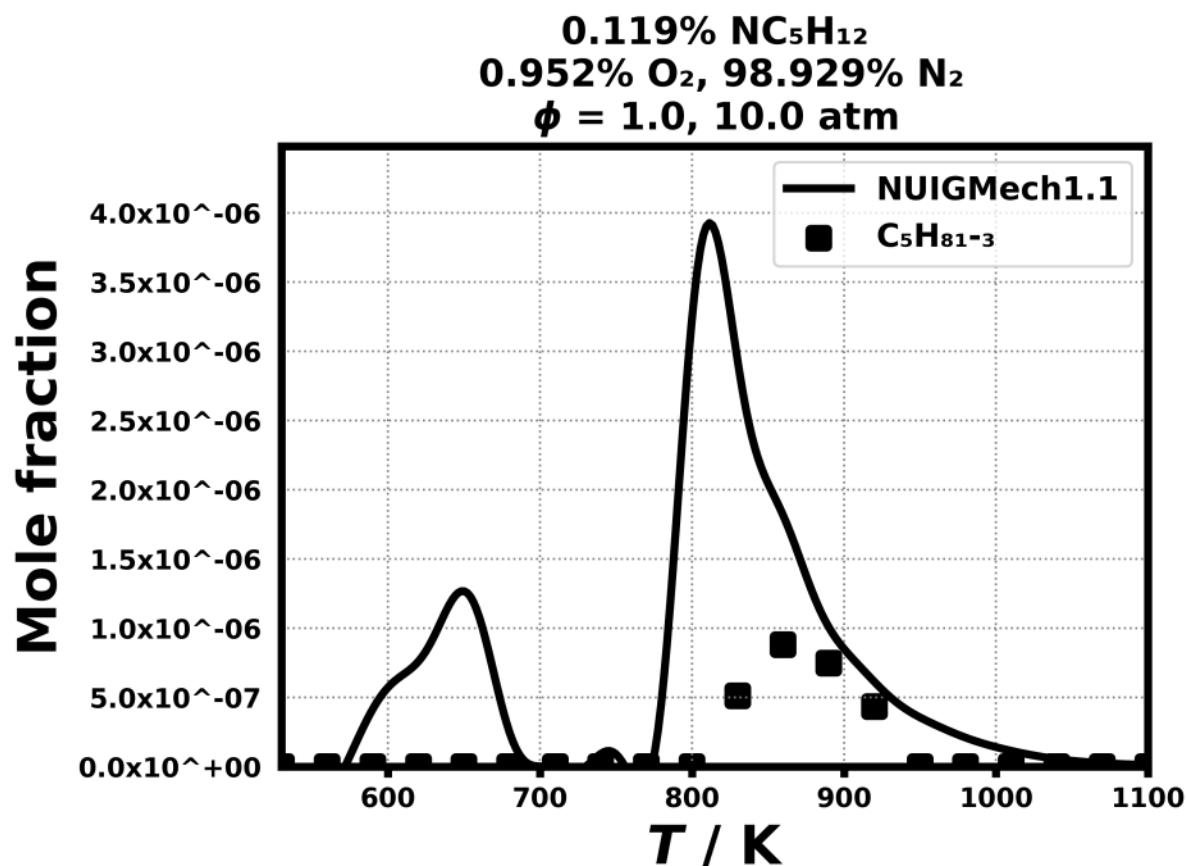


Figure 241: Dataset: 10_ATM_PHI_1.0

1.3.212 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

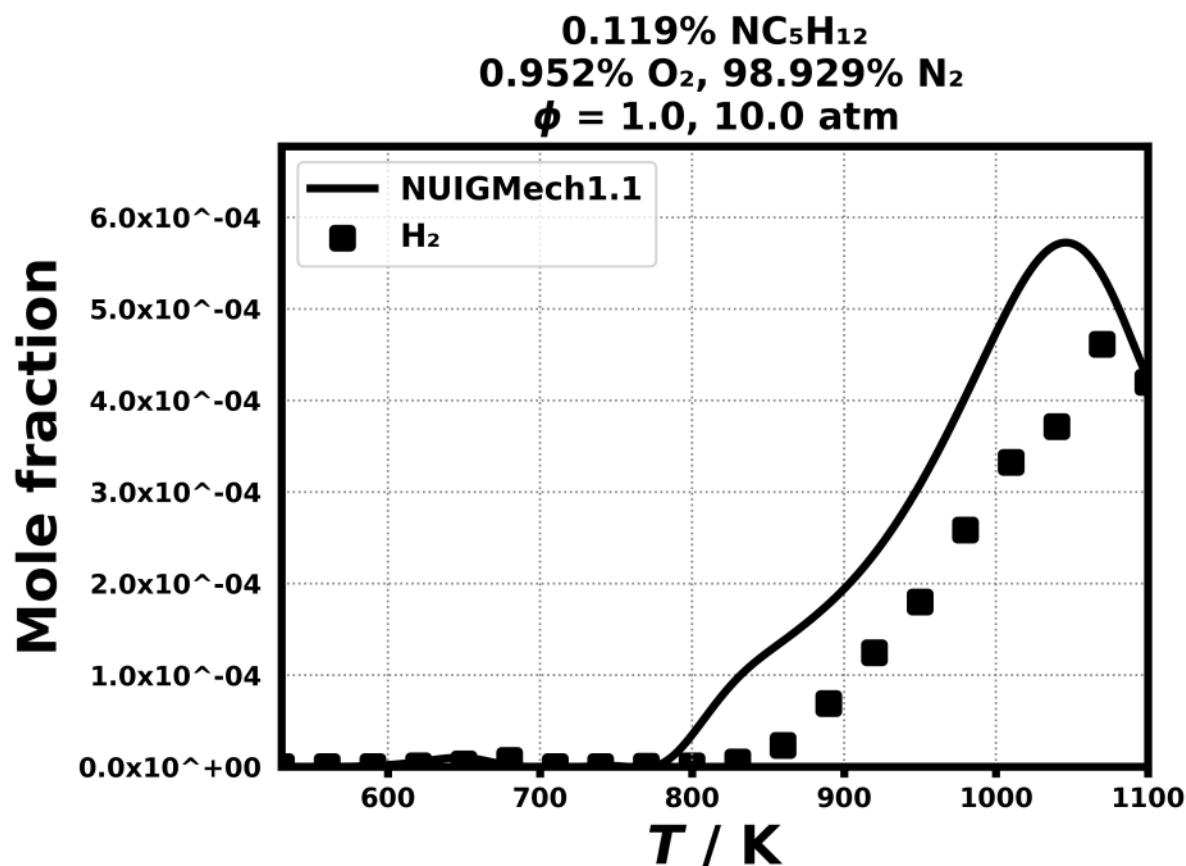


Figure 242: Dataset: 10_ATM_PHI_1.0

1.3.213 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

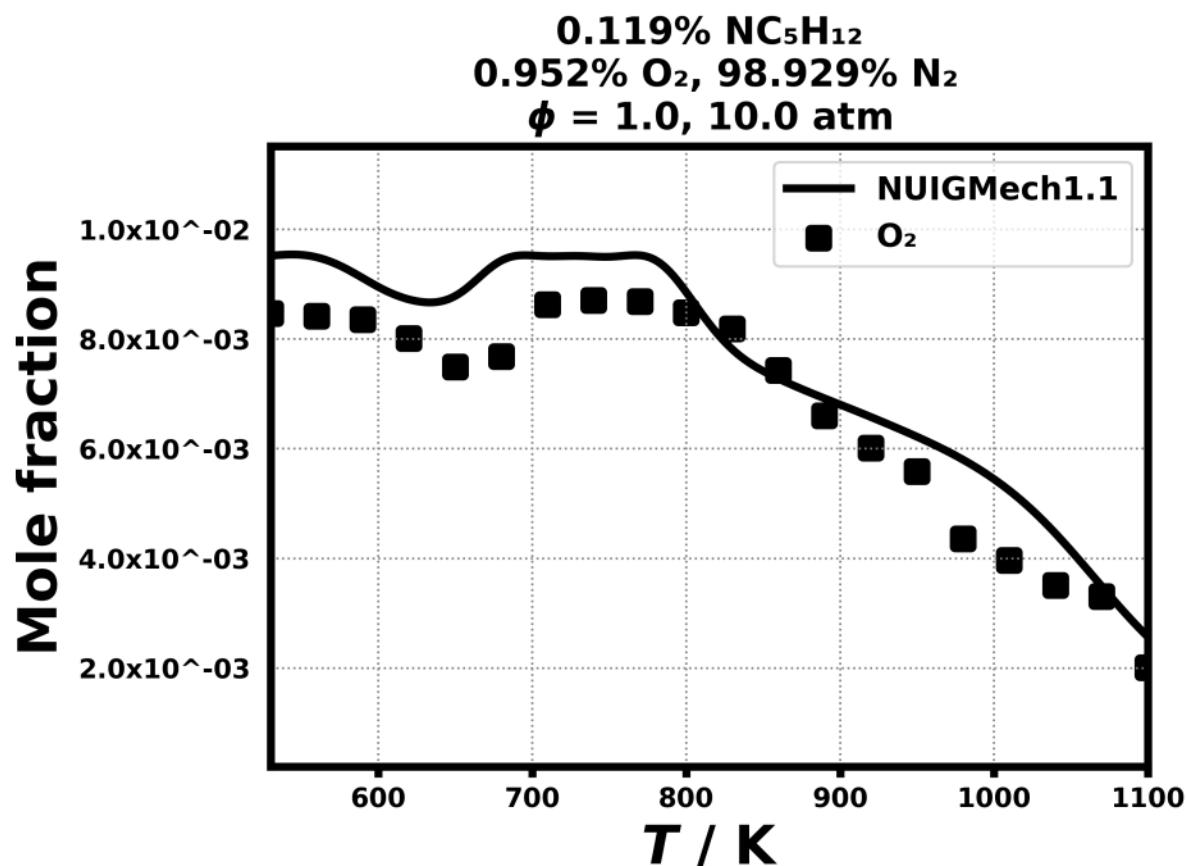


Figure 243: Dataset: 10_ATM_Phi_1.0

1.3.214 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

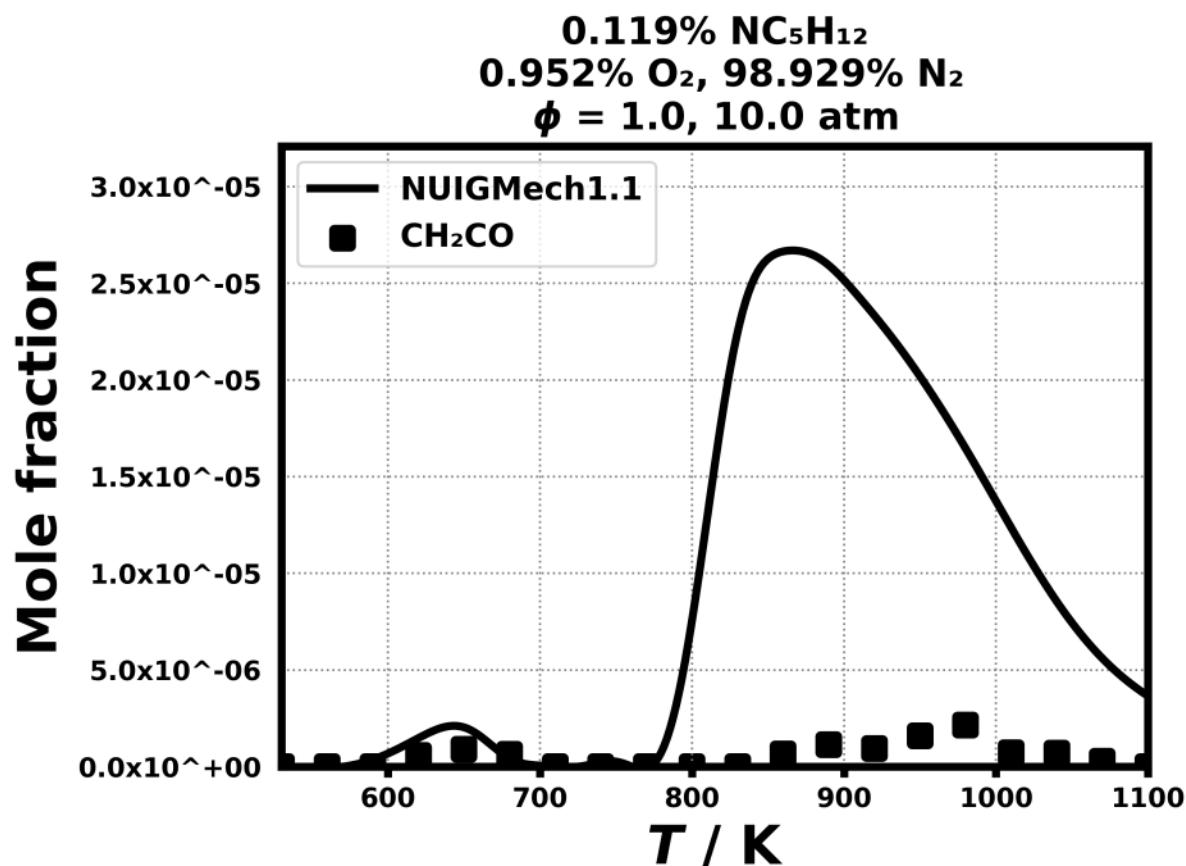


Figure 244: Dataset: 10_ATM_PHI_1.0

1.3.215 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

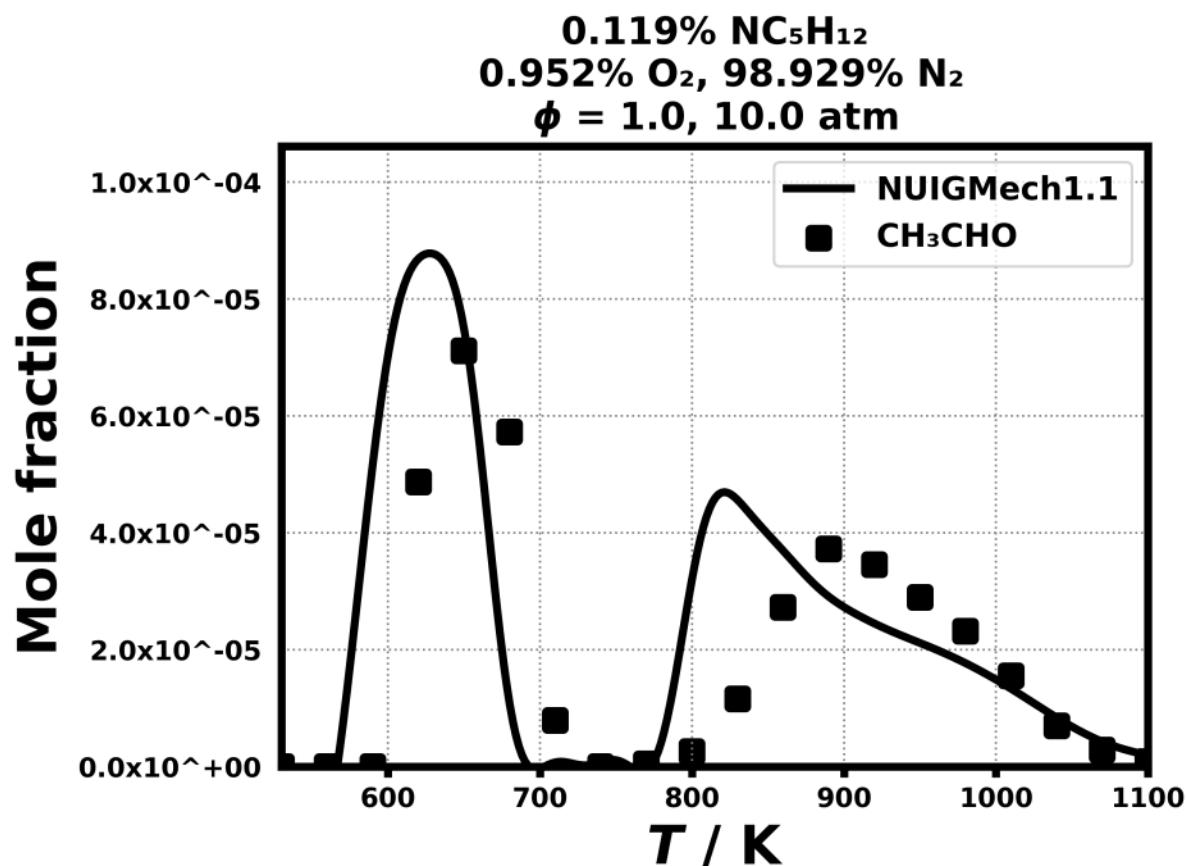


Figure 245: Dataset: 10_ATM_Phi_1.0

1.3.216 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

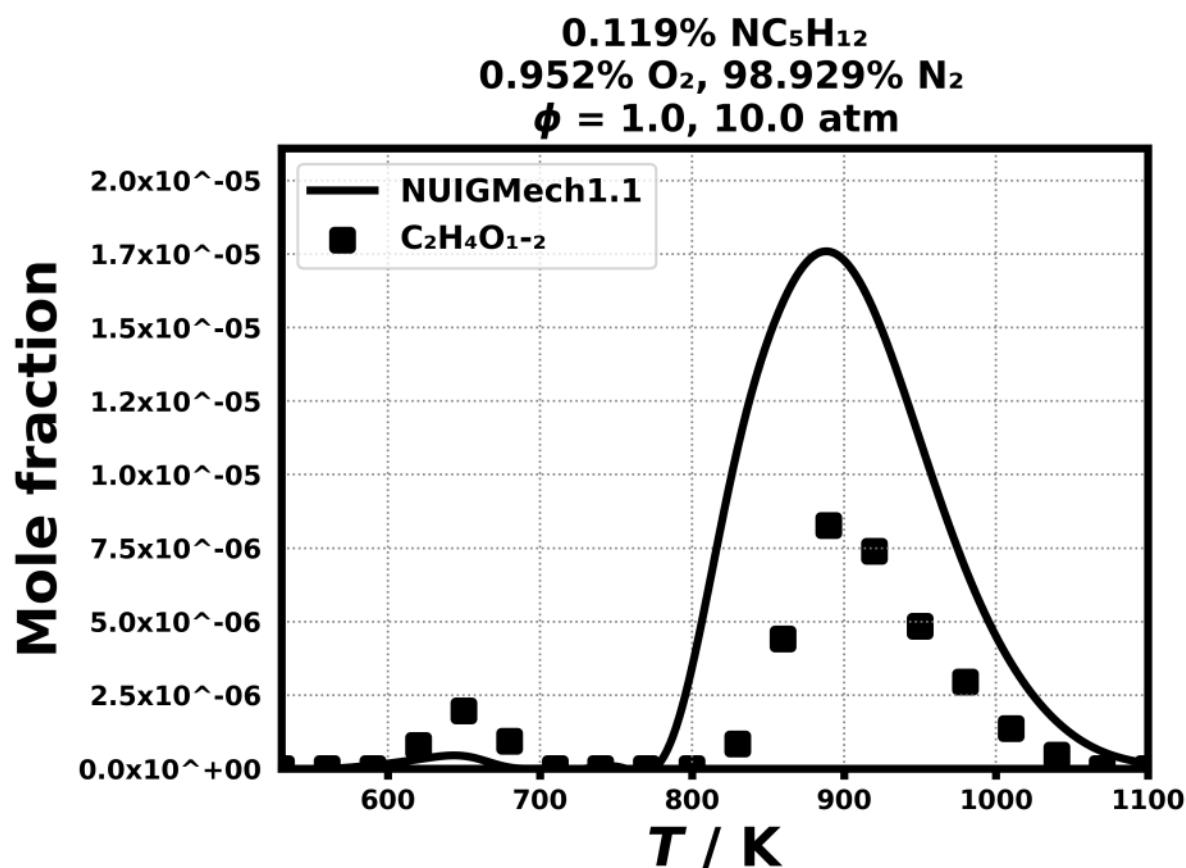


Figure 246: Dataset: 10_ATM_Phi_1.0

1.3.217 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

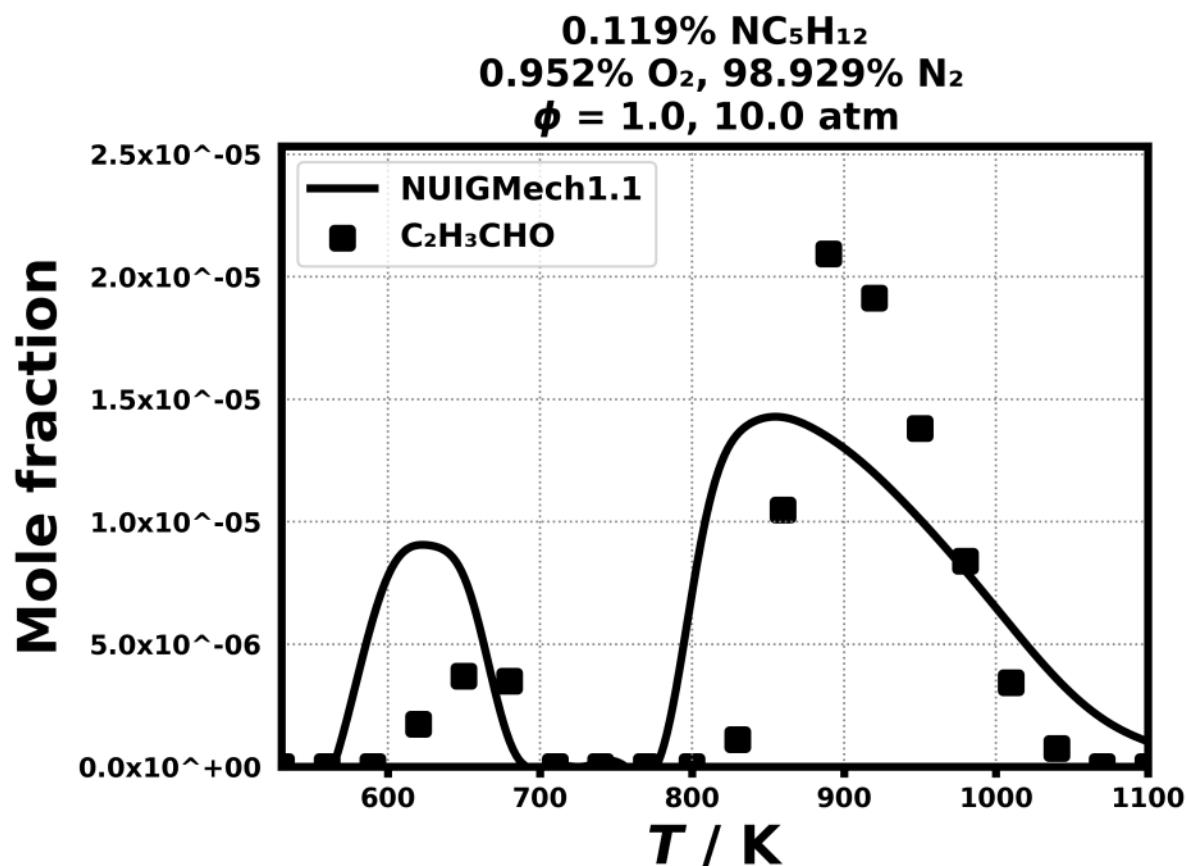


Figure 247: Dataset: 10_ATM_PHI_1.0

1.3.218 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

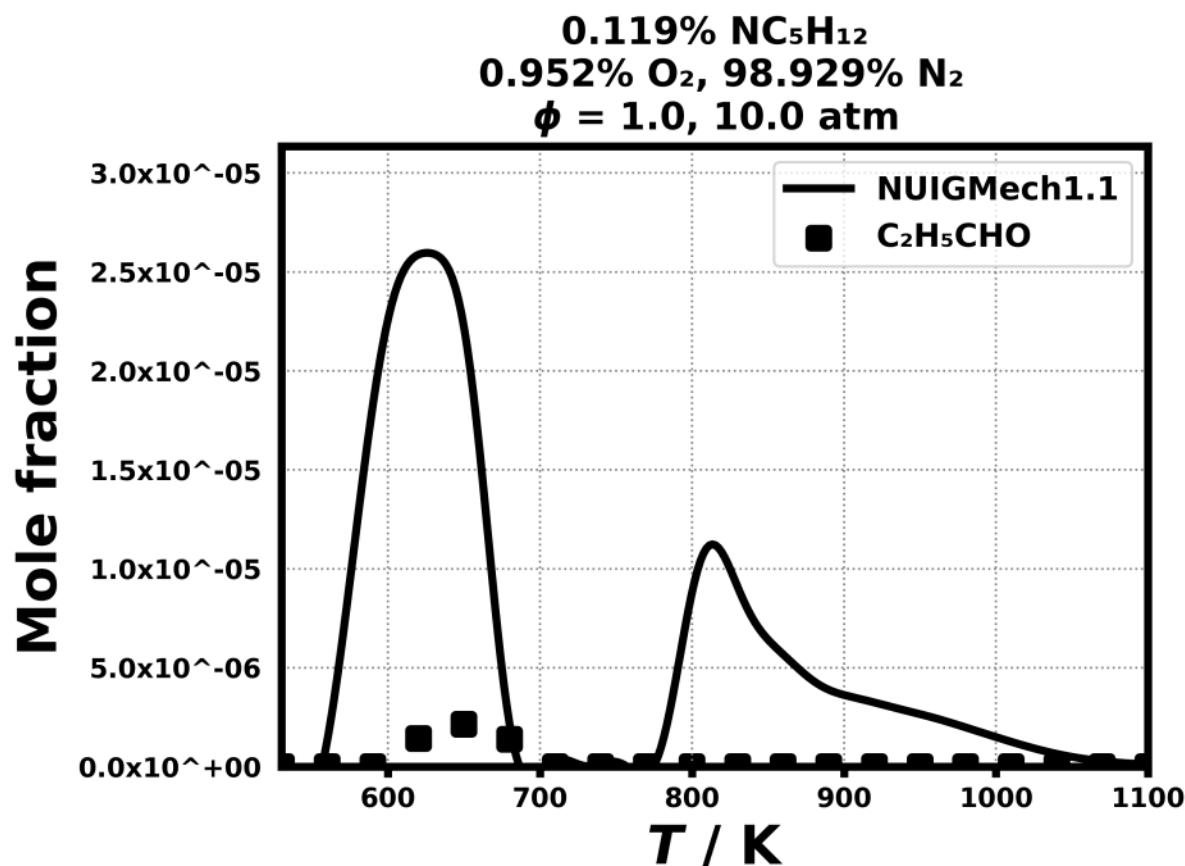


Figure 248: Dataset: 10_ATM_PHI_1.0

1.3.219 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

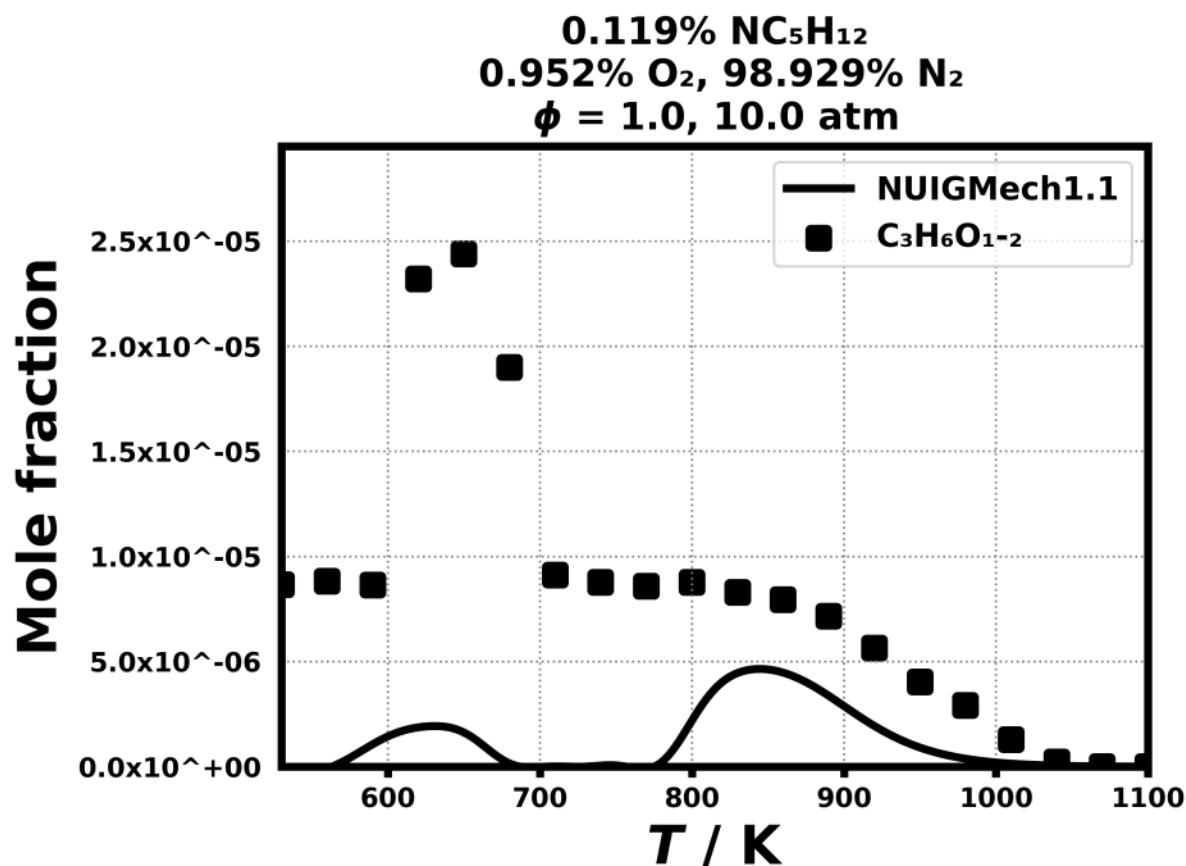


Figure 249: Dataset: 10_ATM_PHI_1.0

1.3.220 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

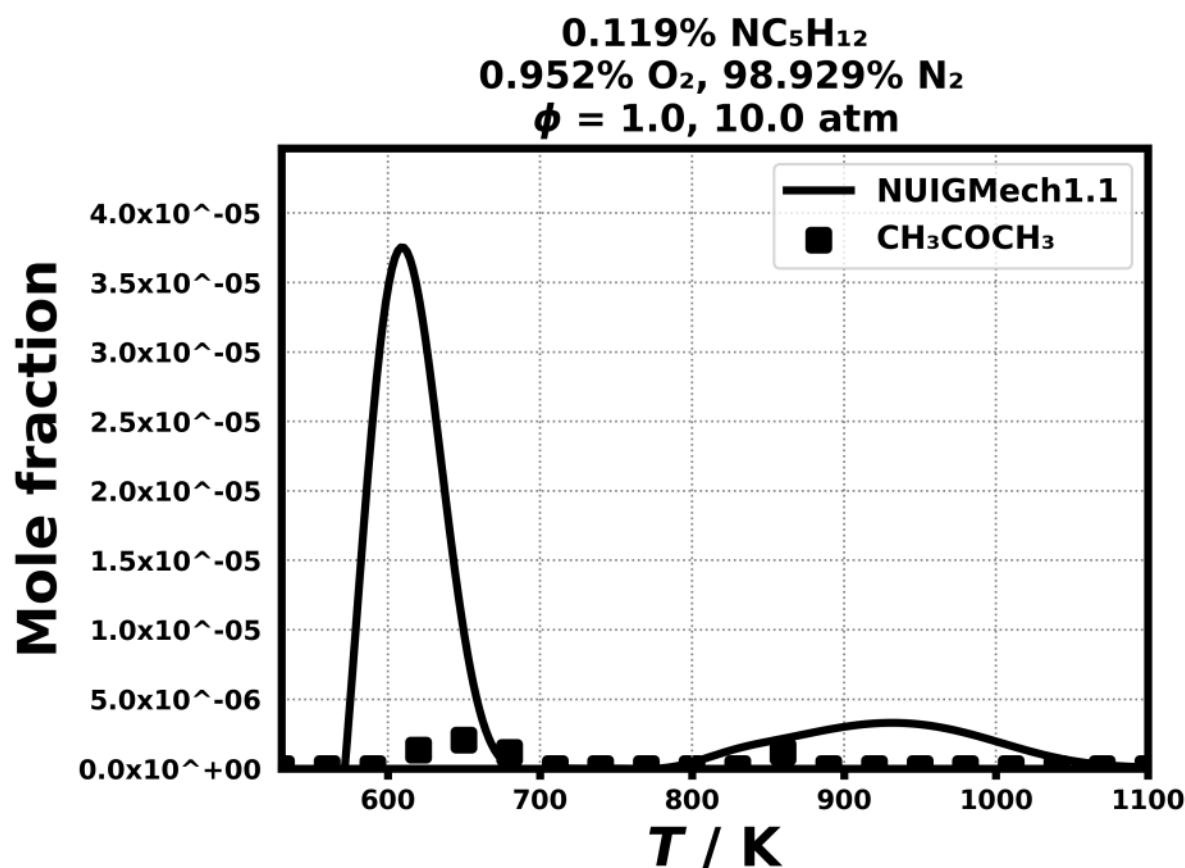


Figure 250: Dataset: 10_ATM_PHI_1.0

1.3.221 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

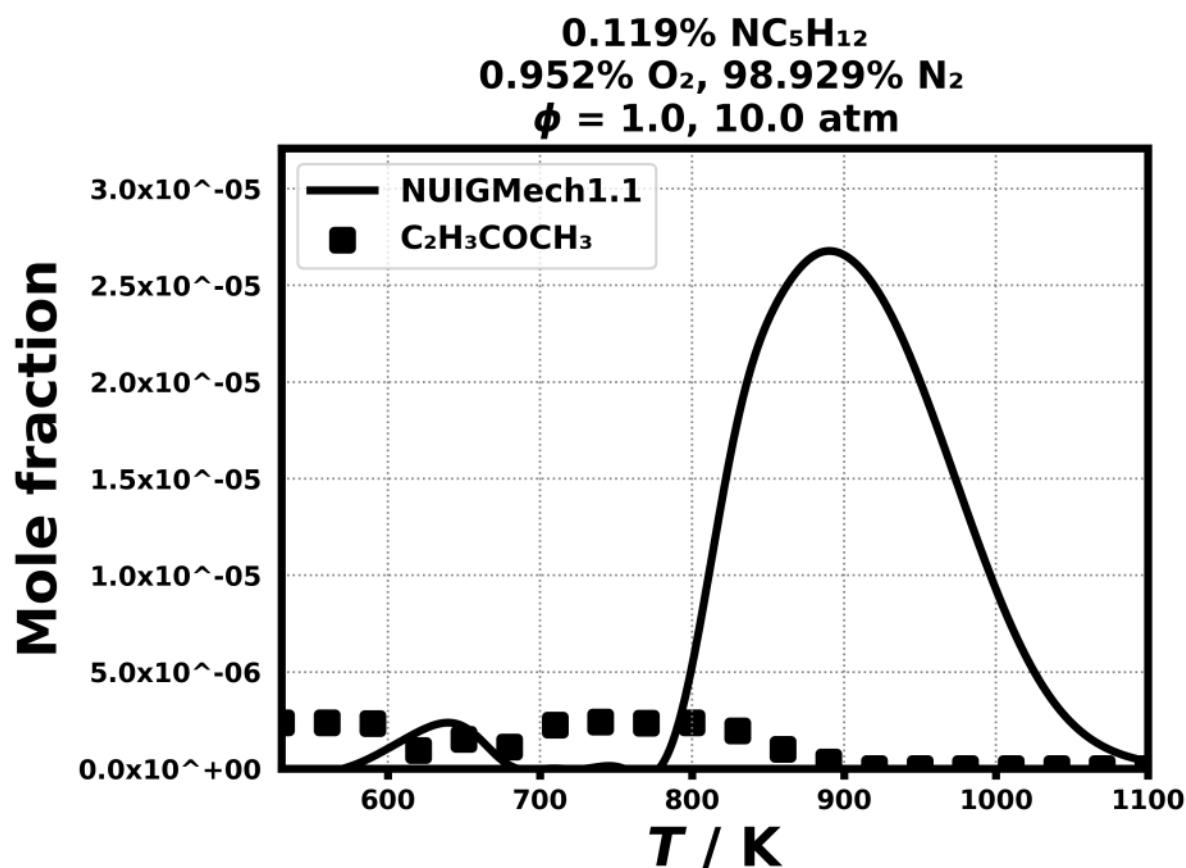


Figure 251: Dataset: 10_ATM_PHI_1.0

1.3.222 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

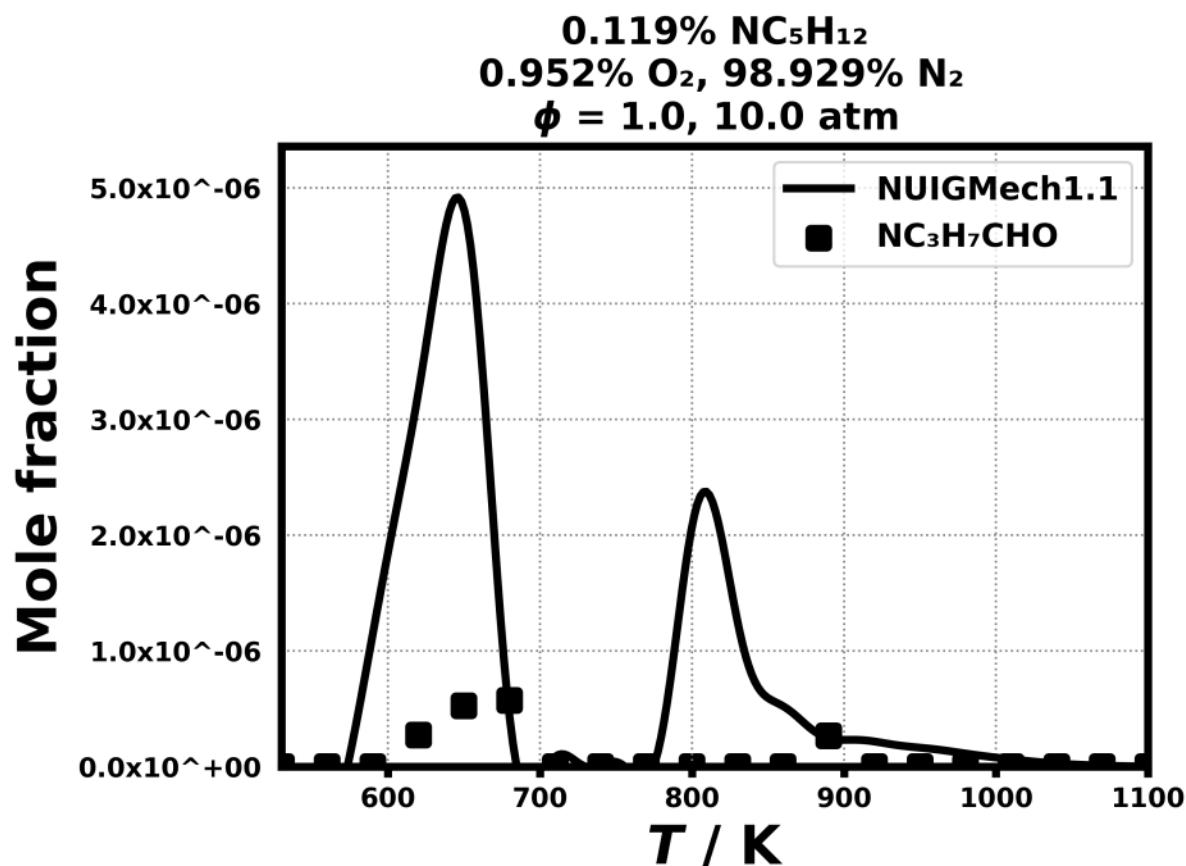


Figure 252: Dataset: 10_ATM_PHI_1.0

1.3.223 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

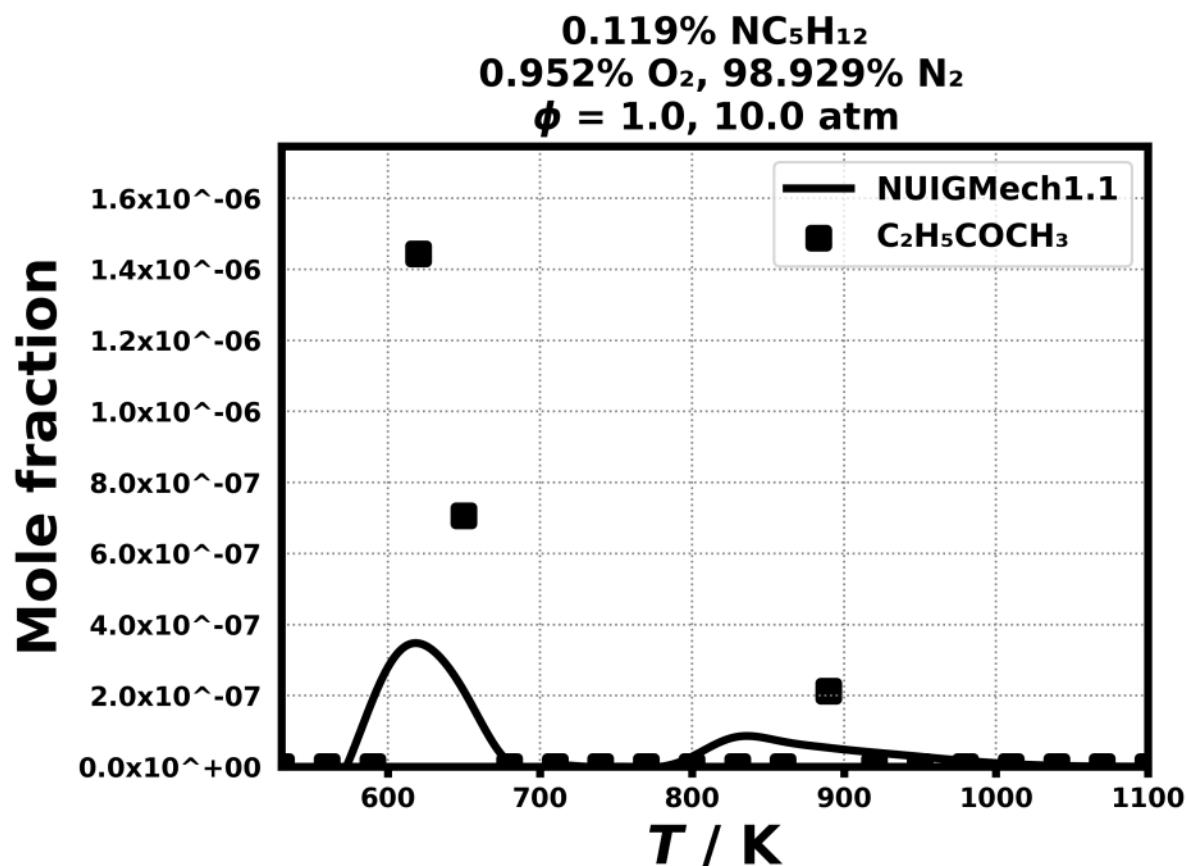


Figure 253: Dataset: 10_ATM_PHI_1.0

1.3.224 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

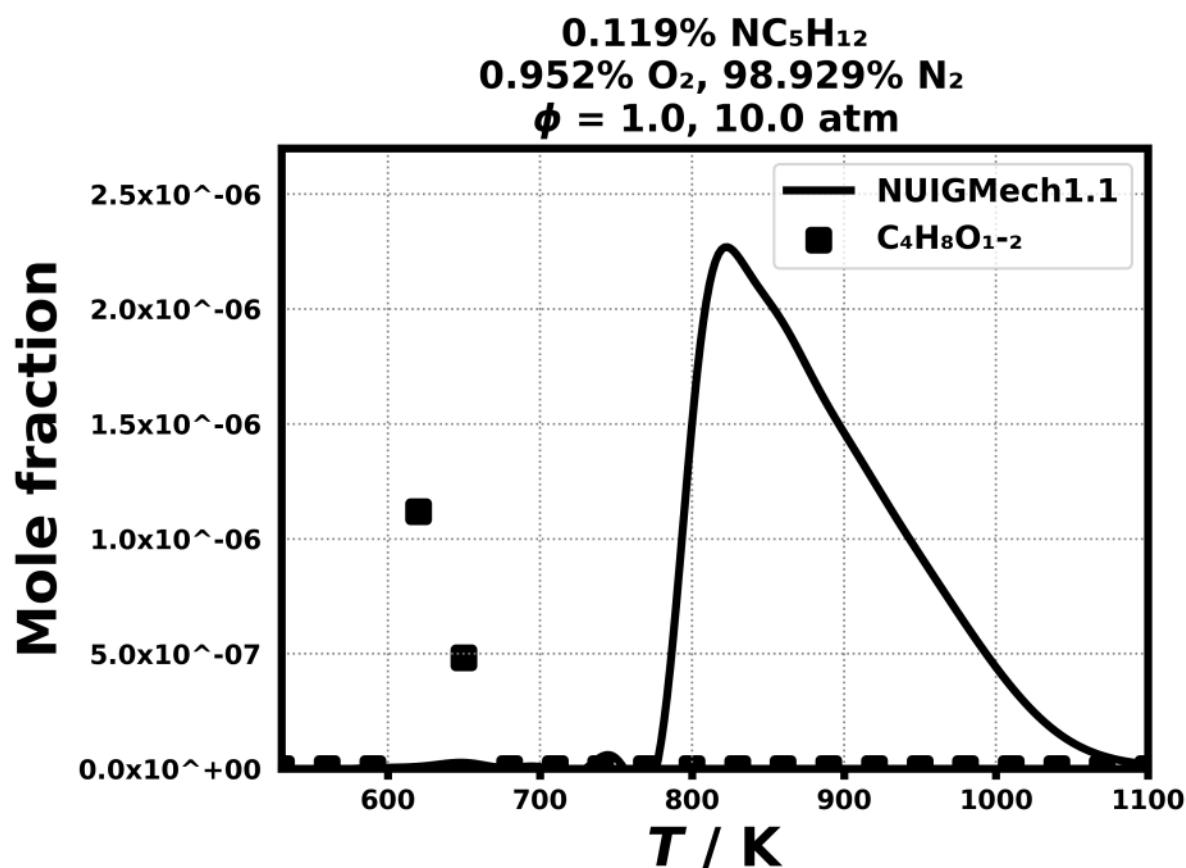


Figure 254: Dataset: 10_ATM_PHI_1.0

1.3.225 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

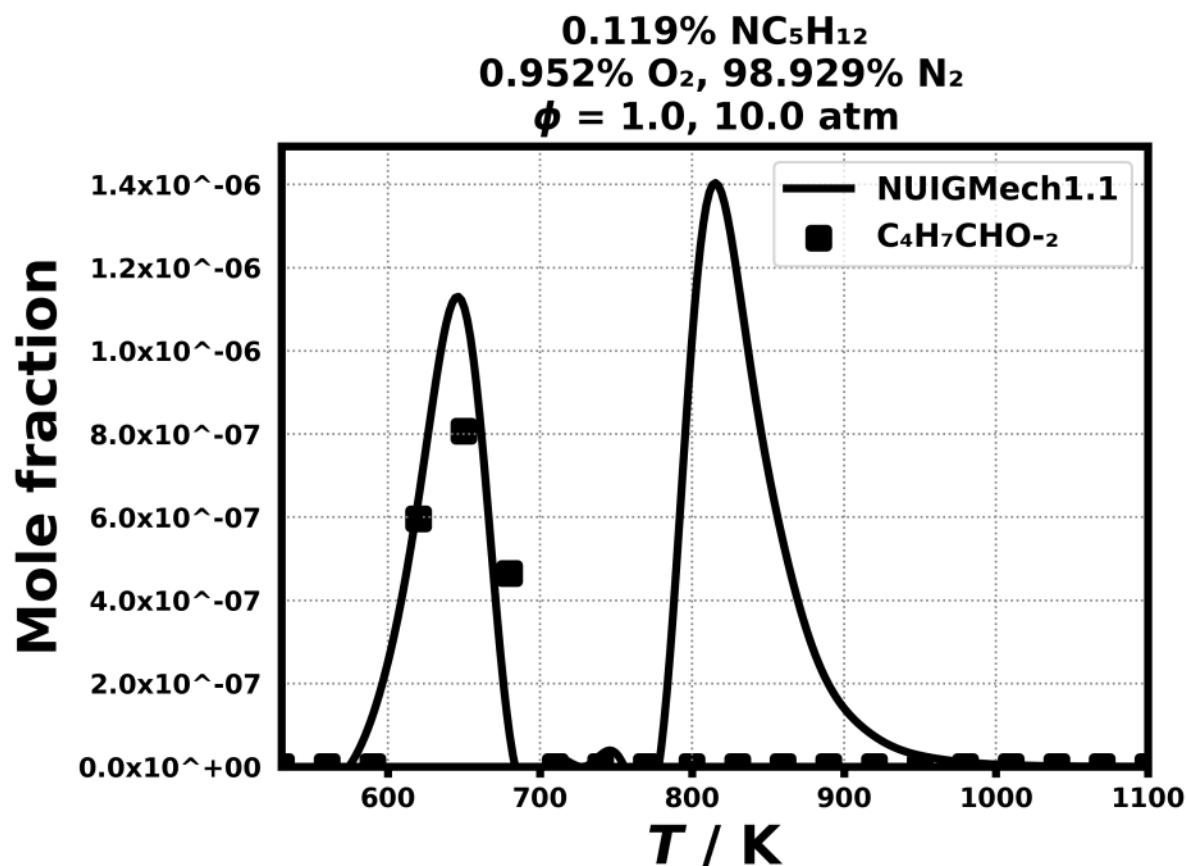


Figure 255: Dataset: 10_ATM_PHI_1.0

1.3.226 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

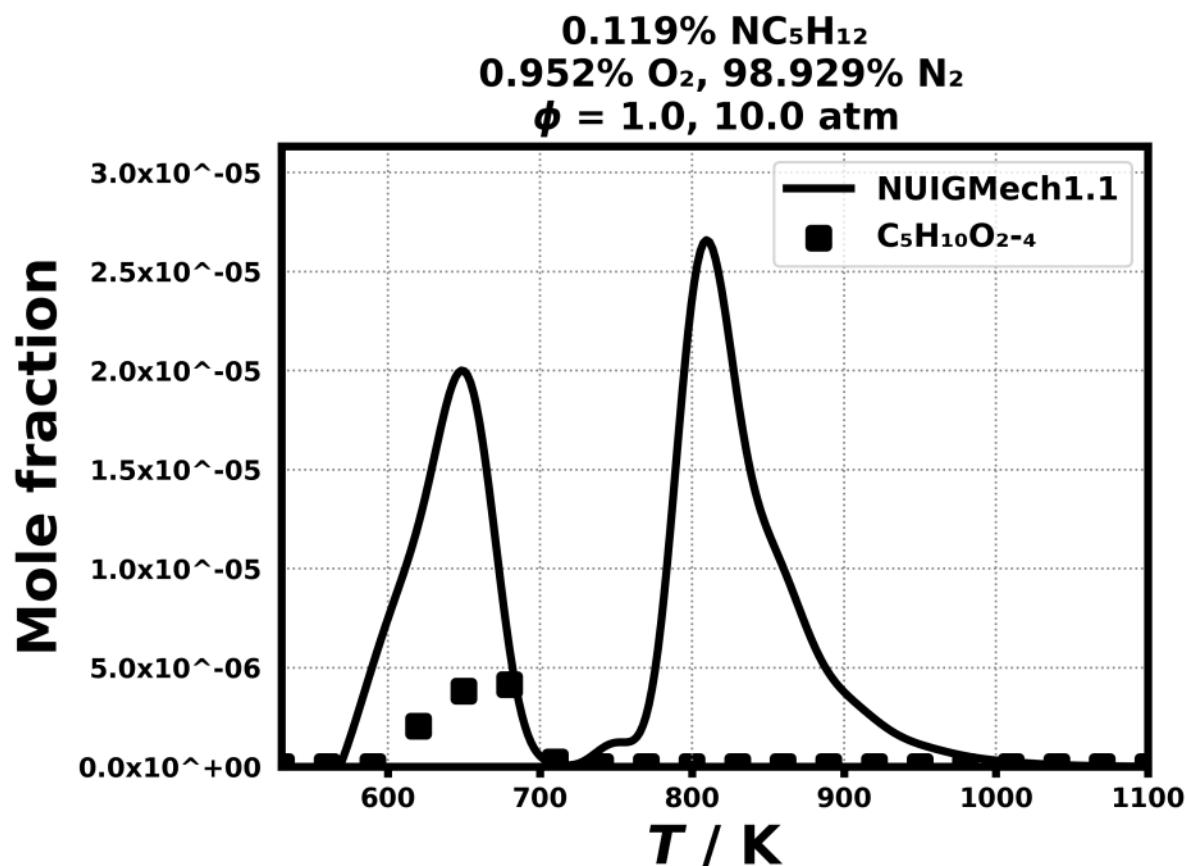


Figure 256: Dataset: 10_ATM_PHI_1.0

1.3.227 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

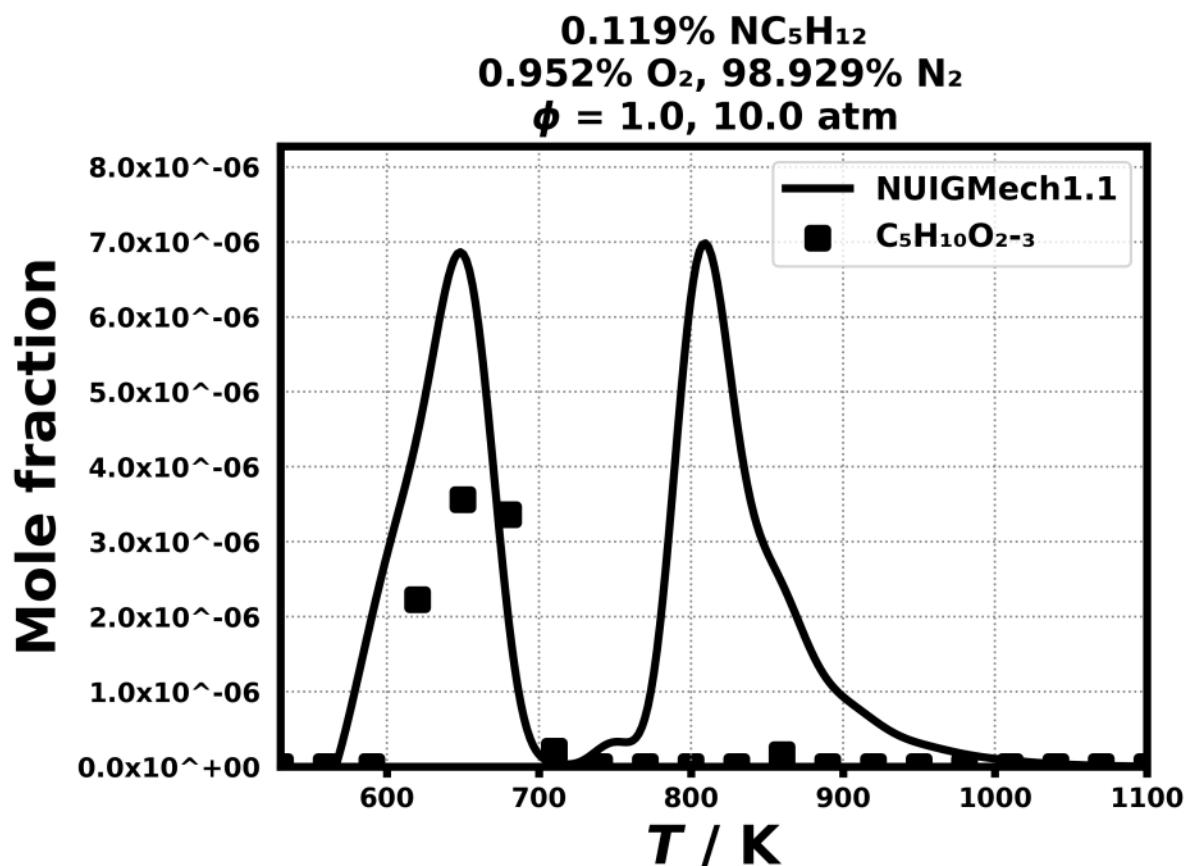


Figure 257: Dataset: 10_ATM_Phi_1.0

1.3.228 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_1.0

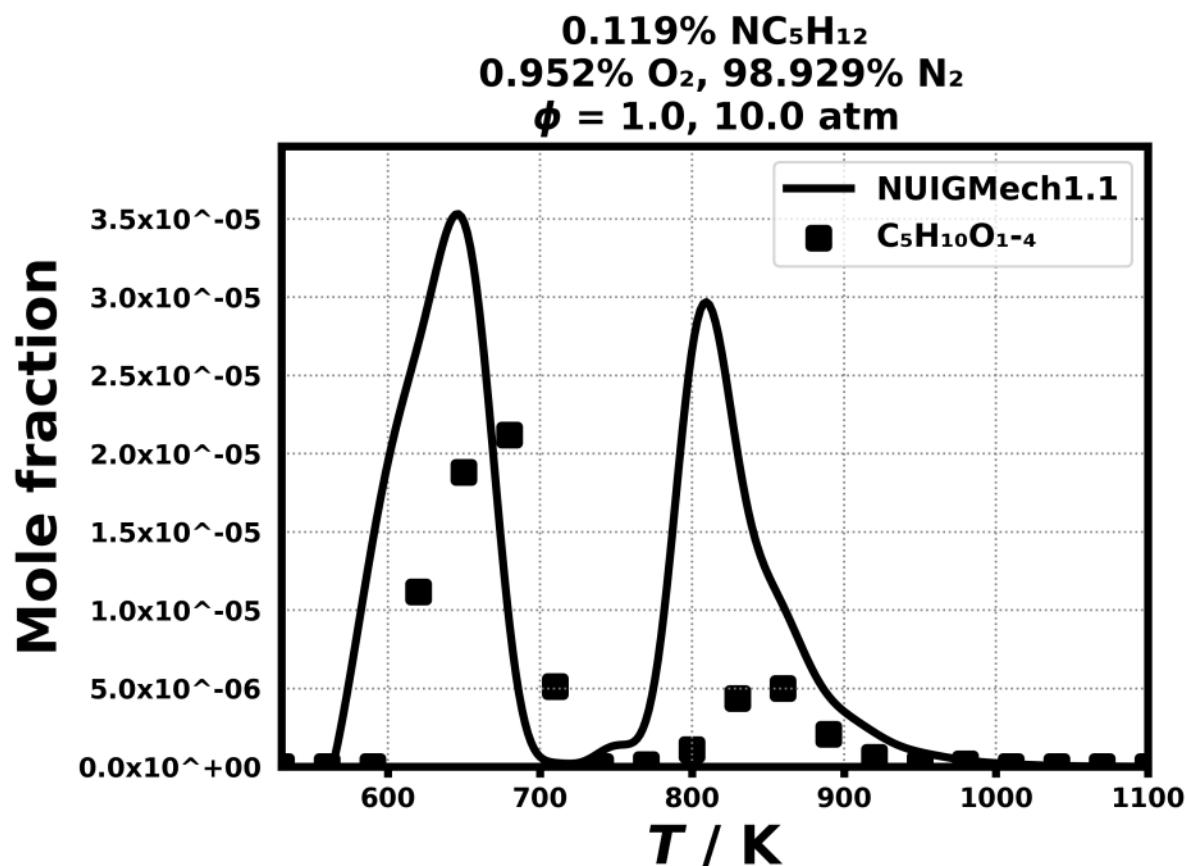


Figure 258: Dataset: 10_ATM_PHI_1.0

1.3.229 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

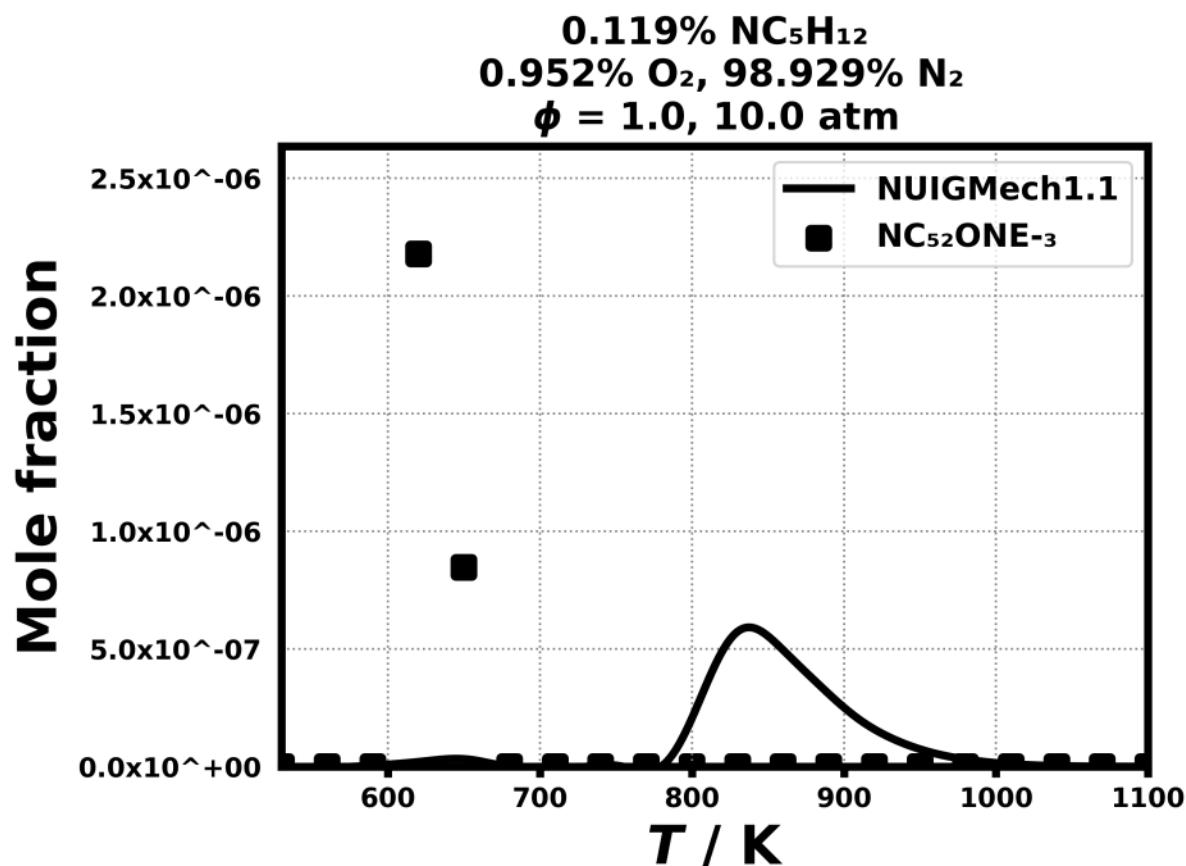


Figure 259: Dataset: 10_ATM_PHI_1.0

1.3.230 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

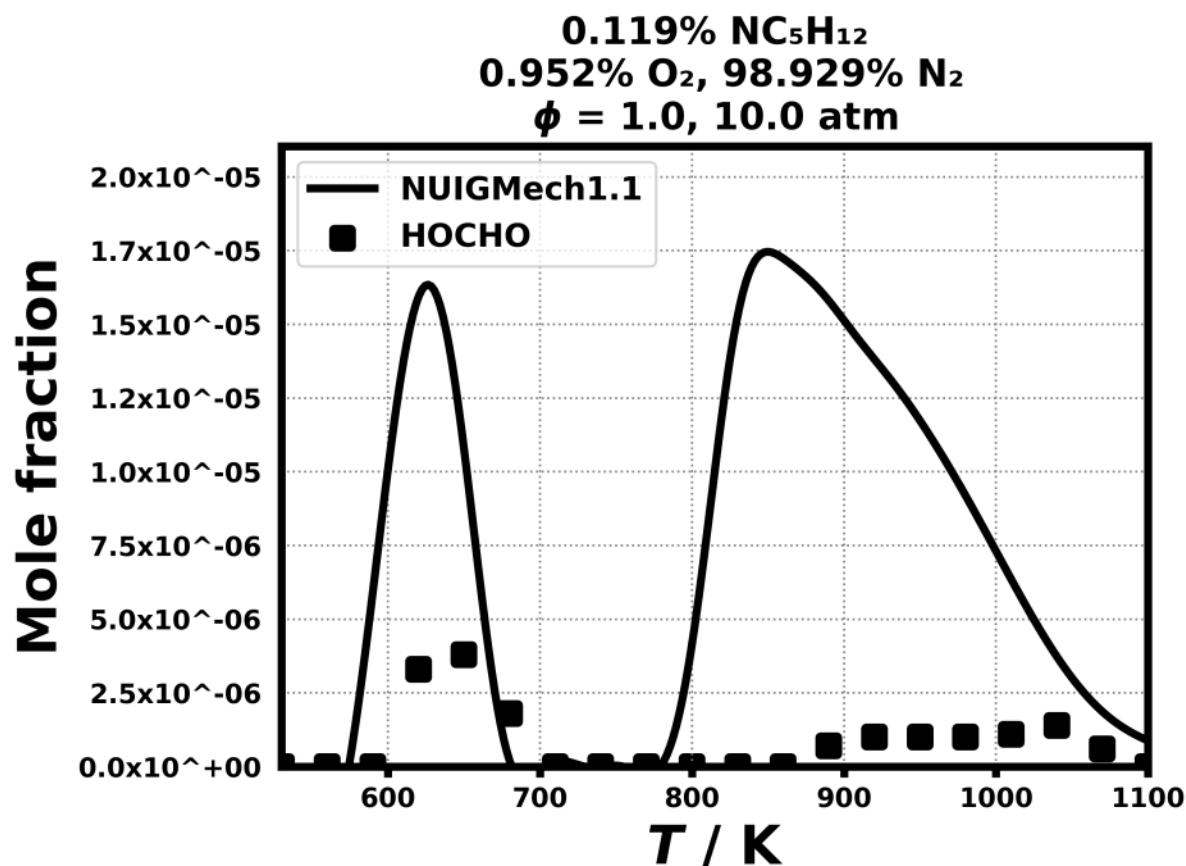


Figure 260: Dataset: 10_ATM_Phi_1.0

1.3.231 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_1.0

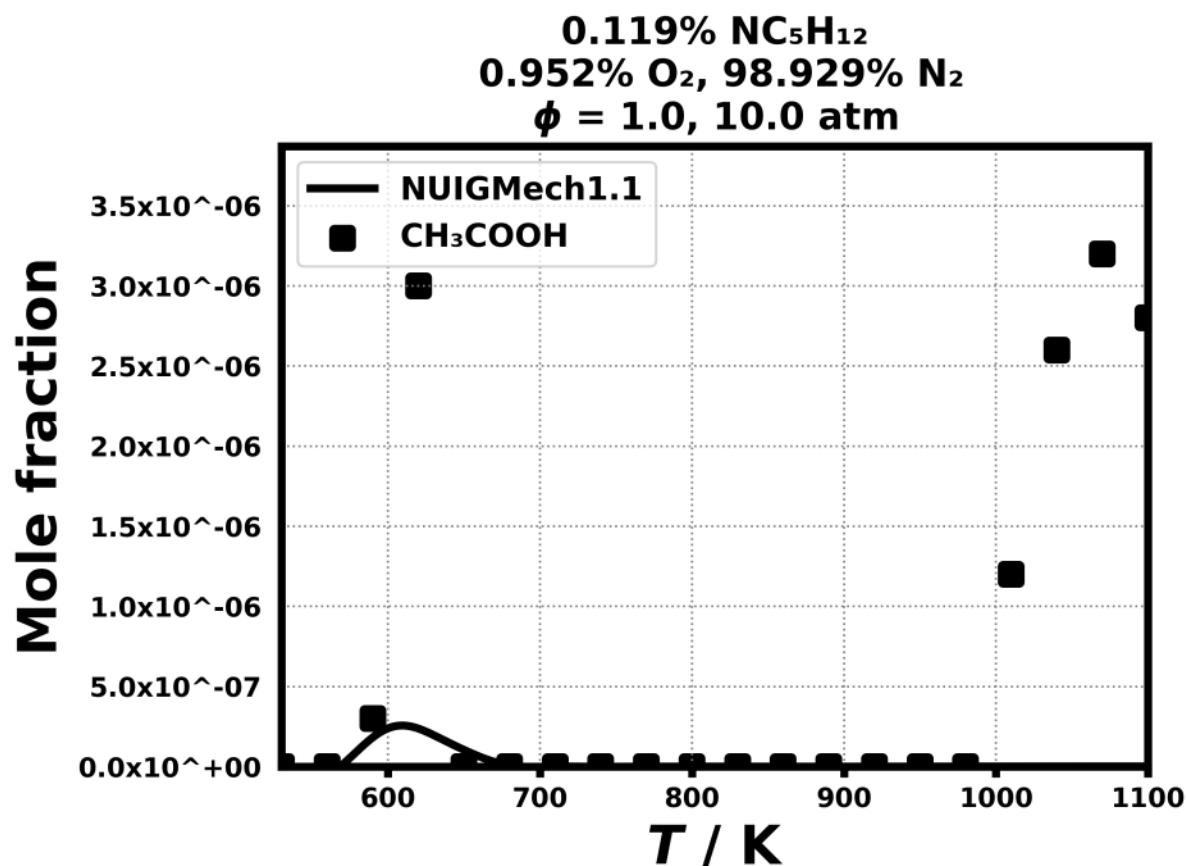


Figure 261: Dataset: 10_ATM_PHI_1.0

1.3.232 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

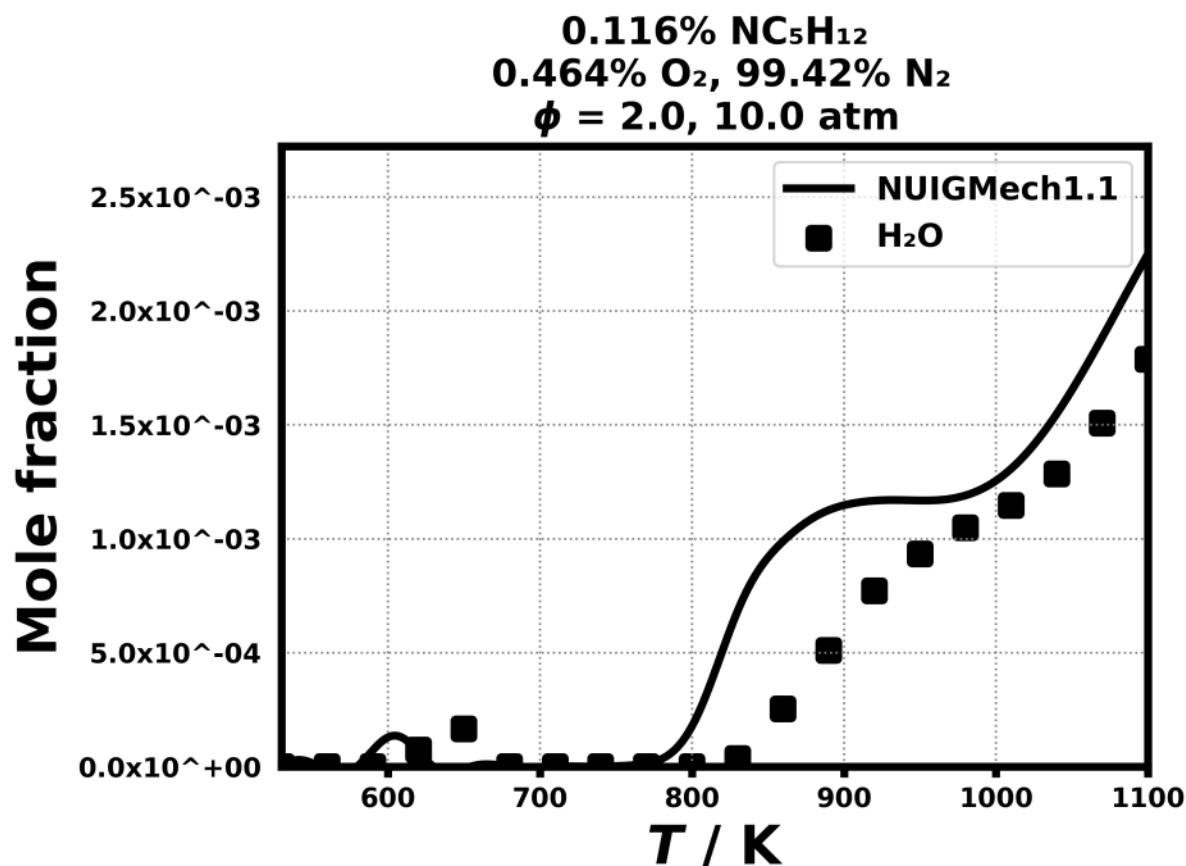


Figure 262: Dataset: 10_ATM_PHI_2.0

1.3.233 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

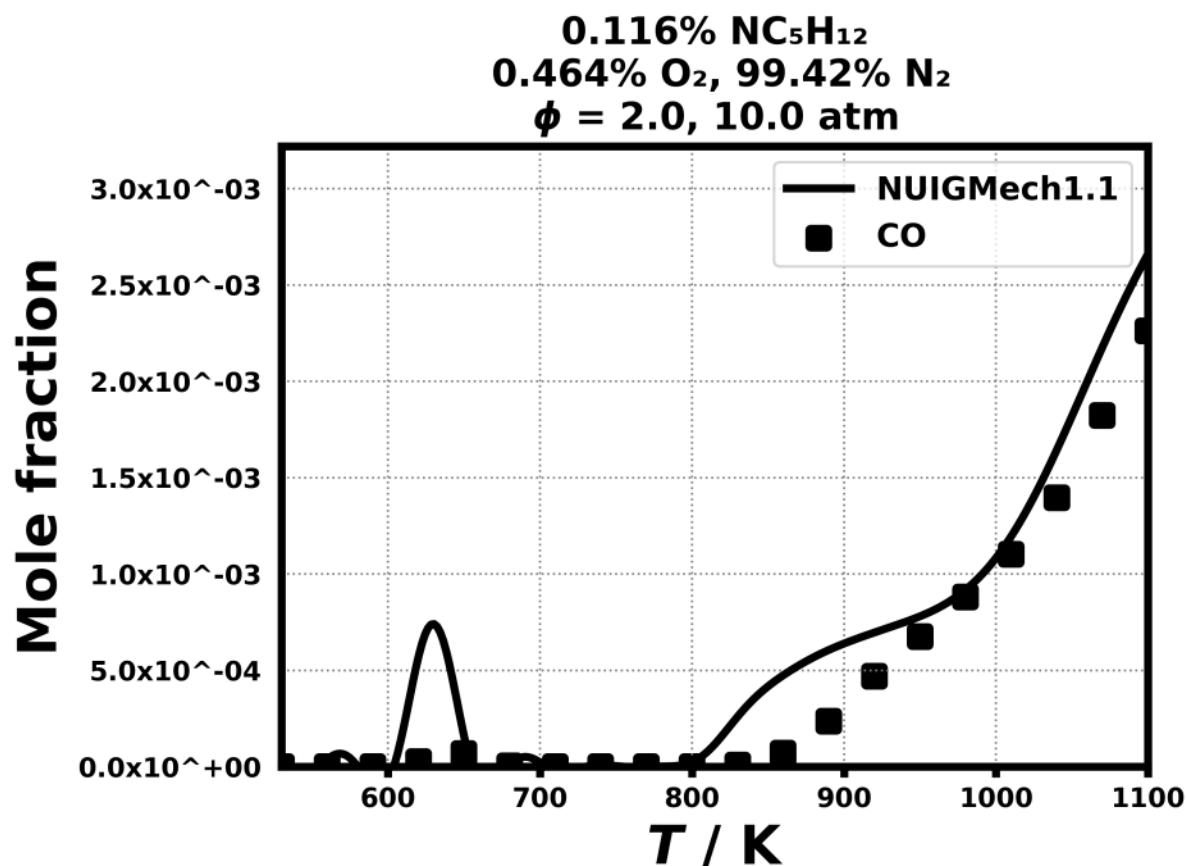


Figure 263: Dataset: 10_ATM_PHI_2.0

1.3.234 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

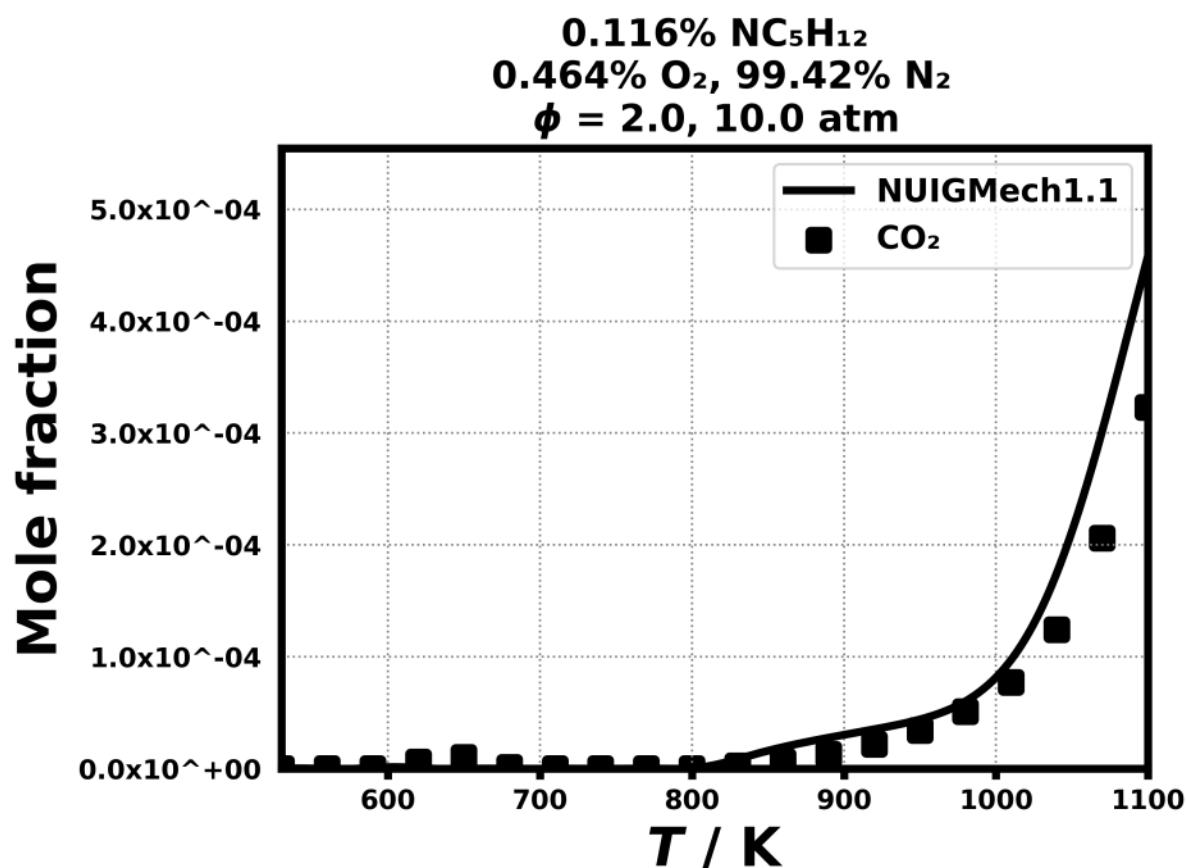


Figure 264: Dataset: 10_ATM_PHI_2.0

1.3.235 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

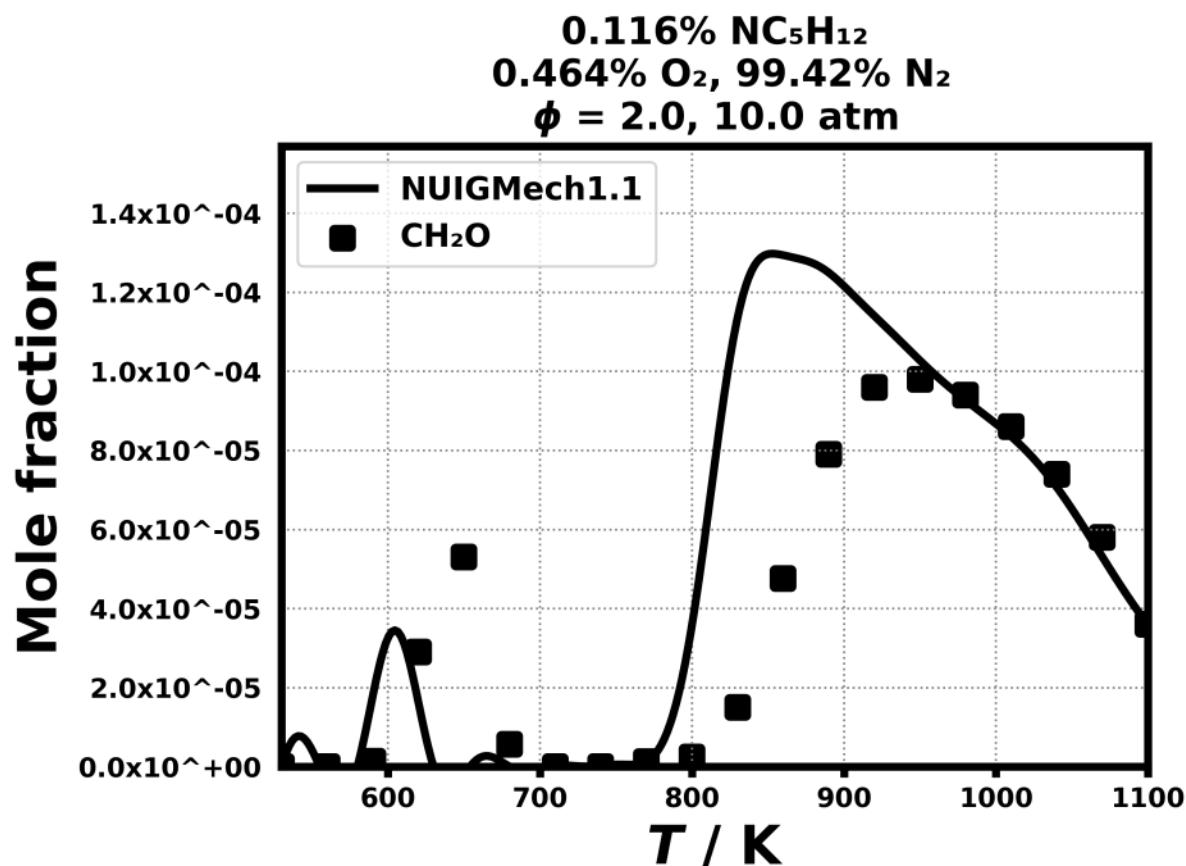


Figure 265: Dataset: 10_ATM_PHI_2.0

1.3.236 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

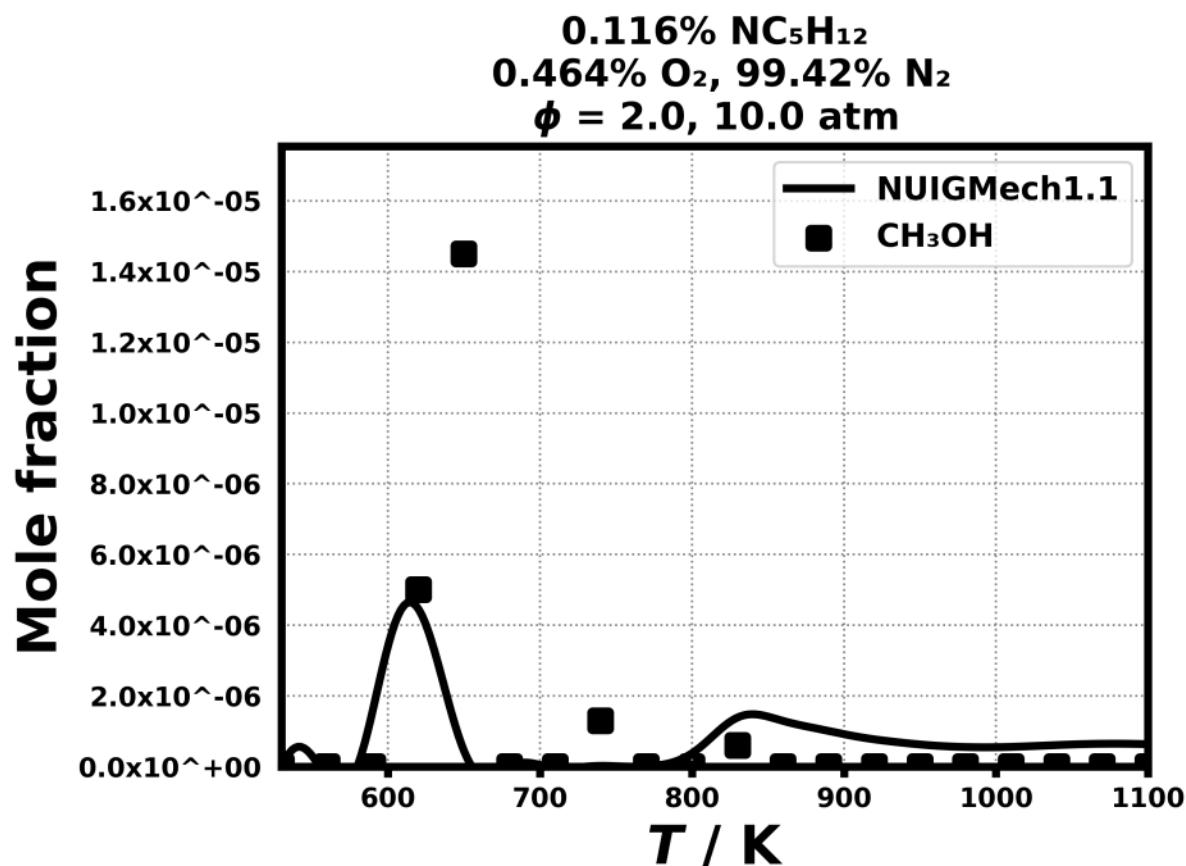


Figure 266: Dataset: 10_ATM_PHI_2.0

1.3.237 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

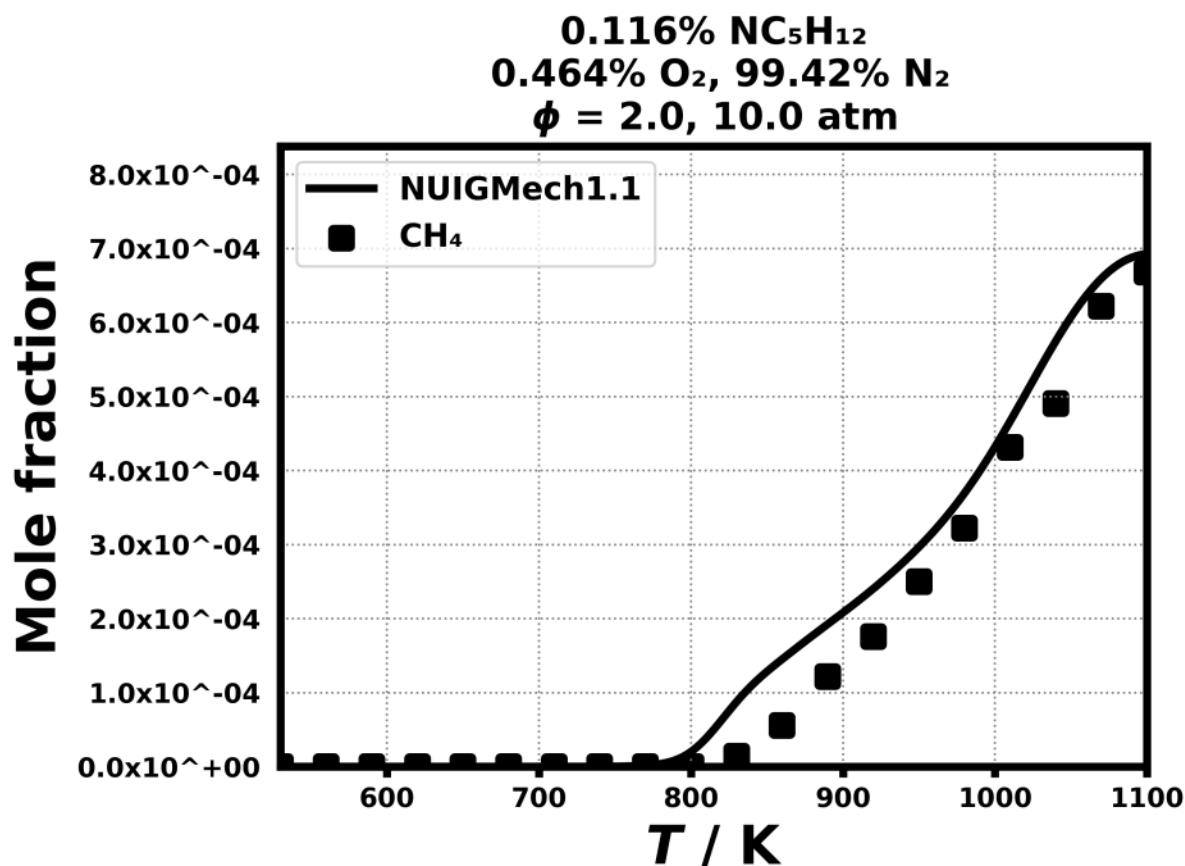


Figure 267: Dataset: 10_ATM_PHI_2.0

1.3.238 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

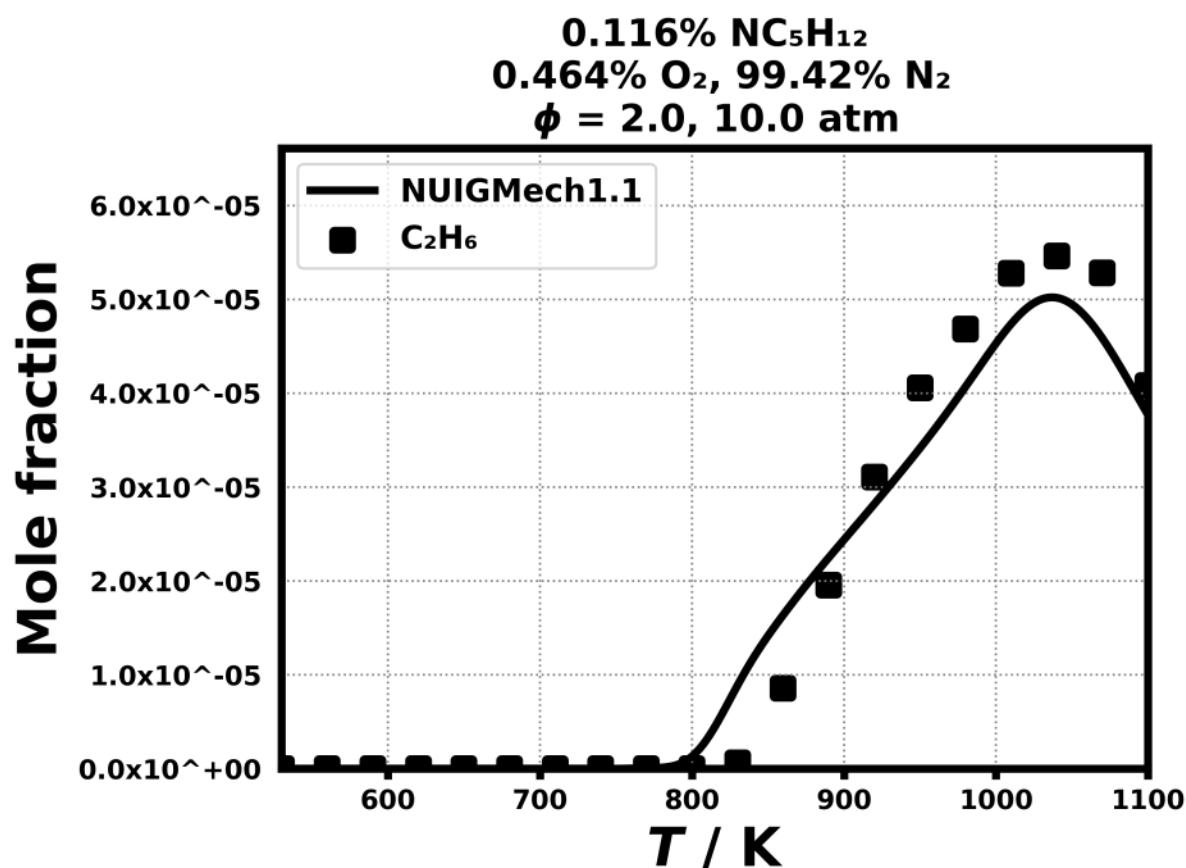


Figure 268: Dataset: 10_ATM_PHI_2.0

1.3.239 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

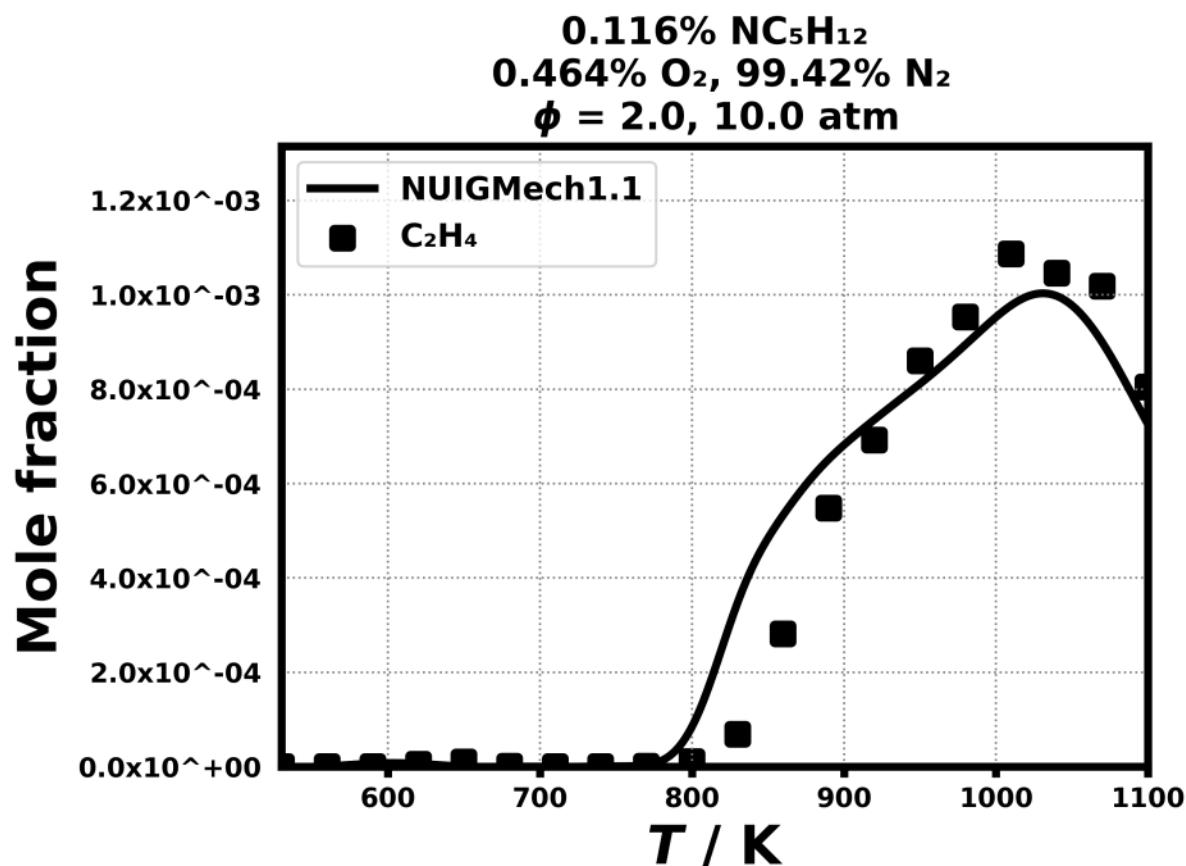


Figure 269: Dataset: 10_ATM_PHI_2.0

1.3.240 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

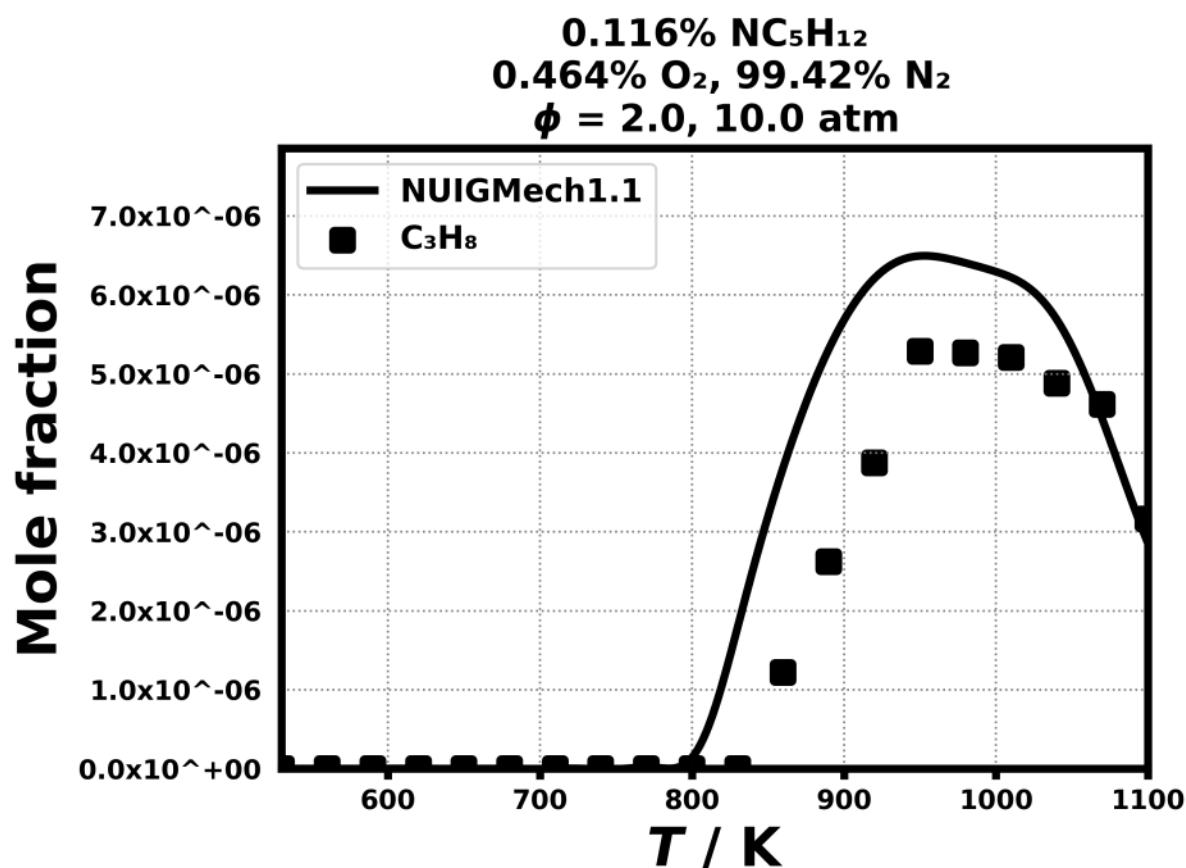


Figure 270: Dataset: 10_ATM_PHI_2.0

1.3.241 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

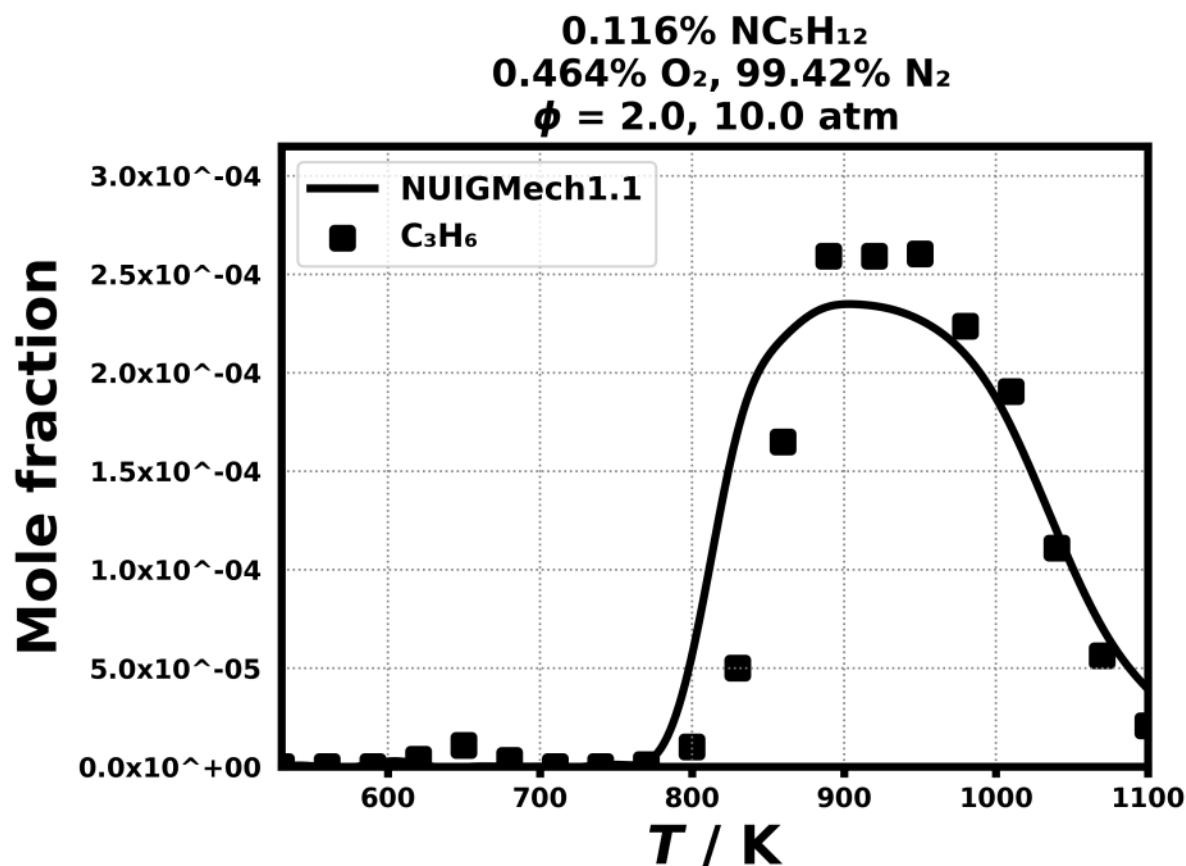


Figure 271: Dataset: 10_ATM_PHI_2.0

1.3.242 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

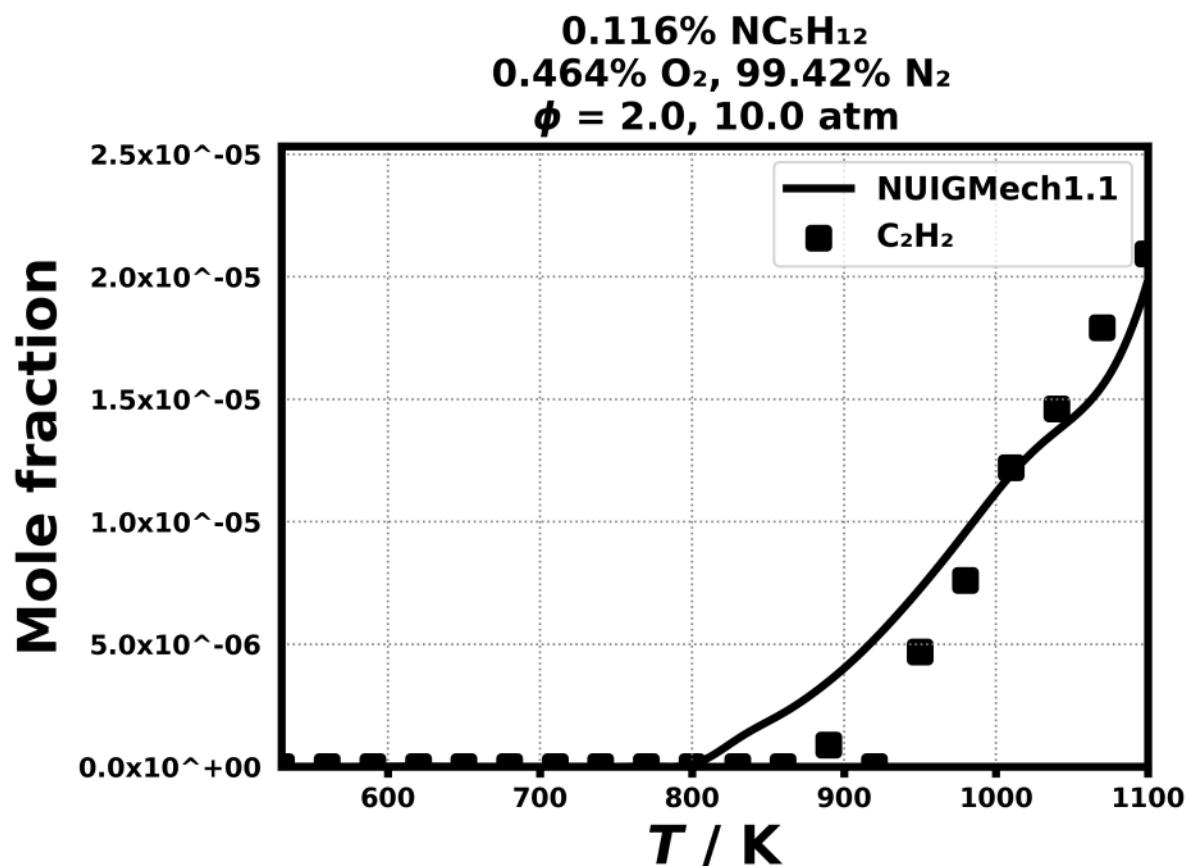


Figure 272: Dataset: 10_ATM_PHI_2.0

1.3.243 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

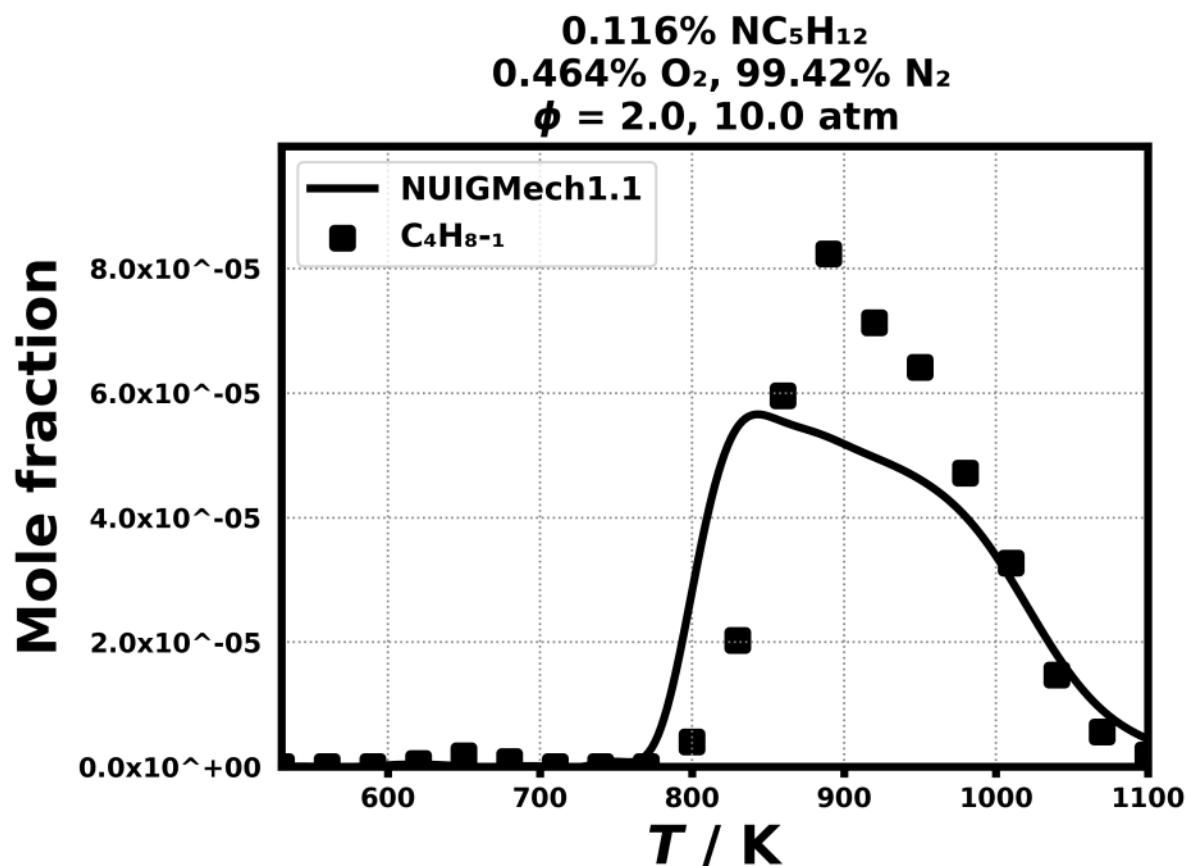


Figure 273: Dataset: 10_ATM_PHI_2.0

1.3.244 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

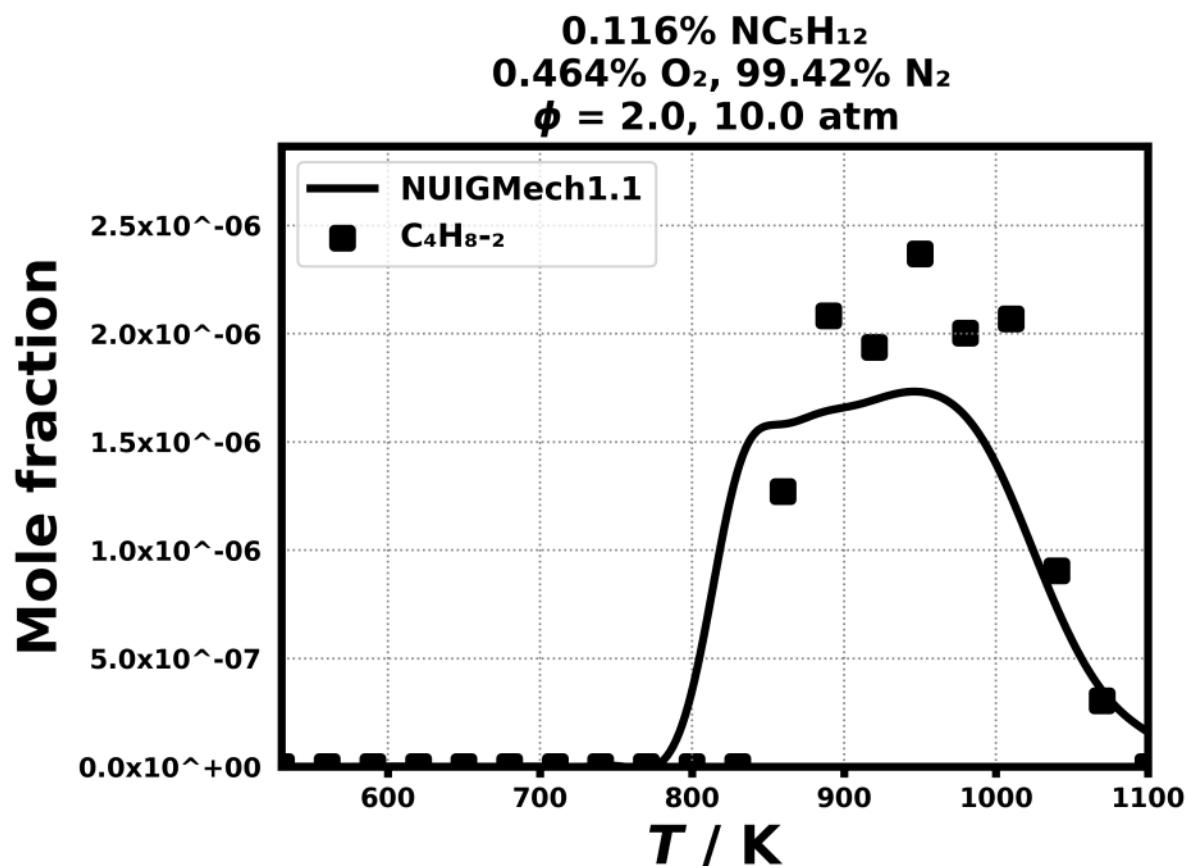


Figure 274: Dataset: 10_ATM_PHI_2.0

1.3.245 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

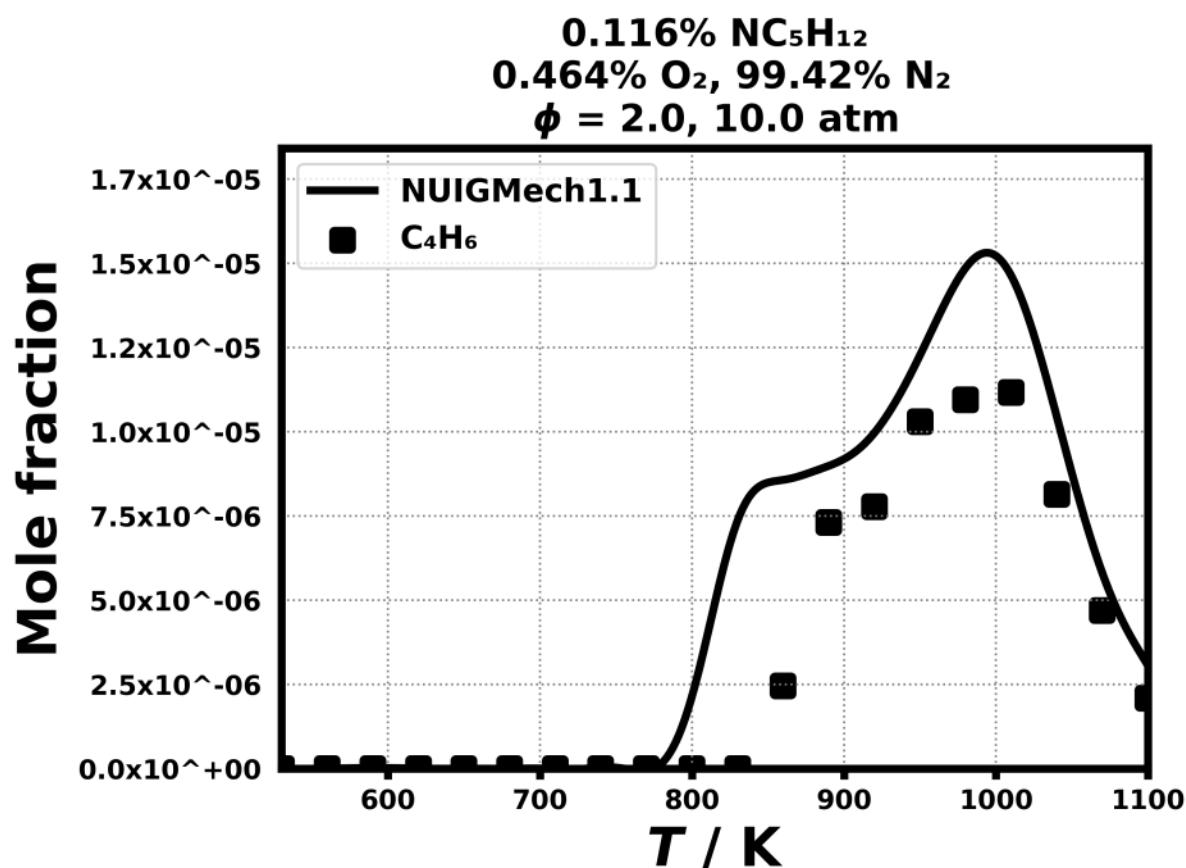


Figure 275: Dataset: 10_ATM_PHI_2.0

1.3.246 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

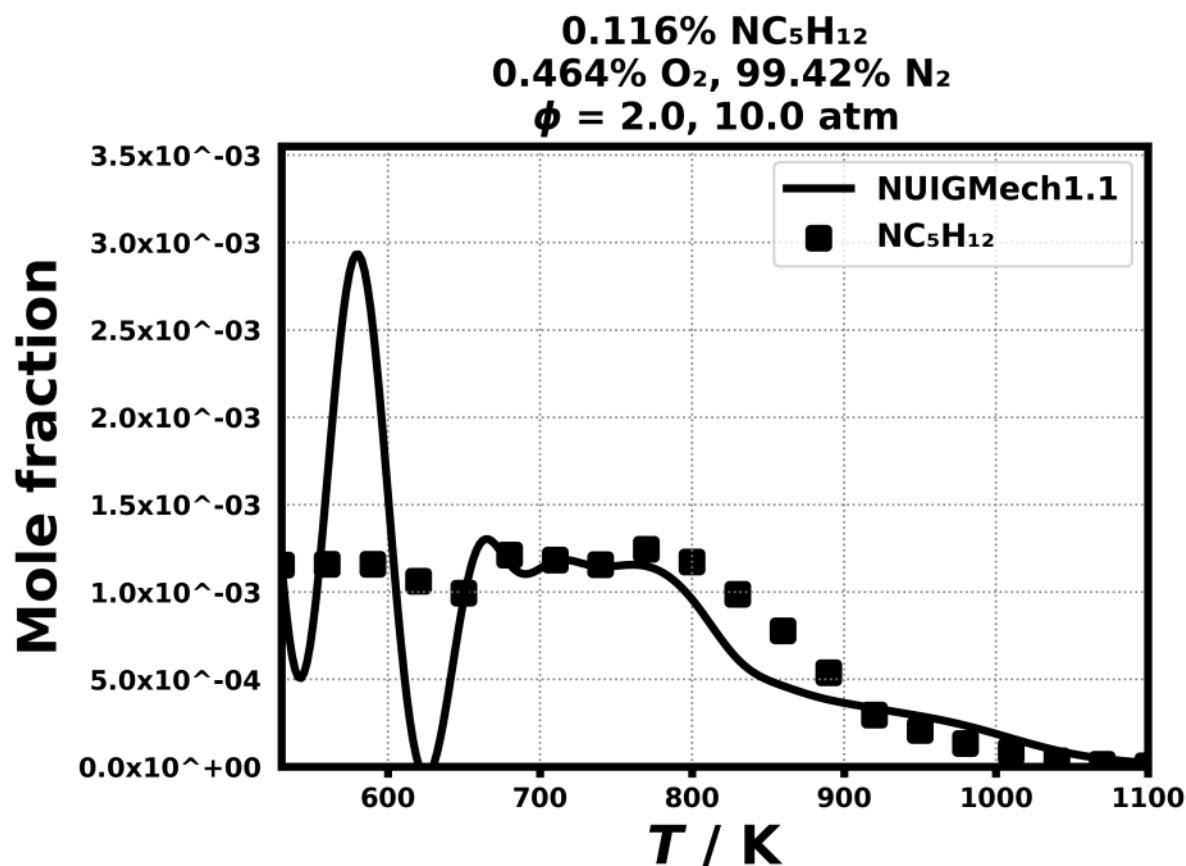


Figure 276: Dataset: 10_ATM_PHI_2.0

1.3.247 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

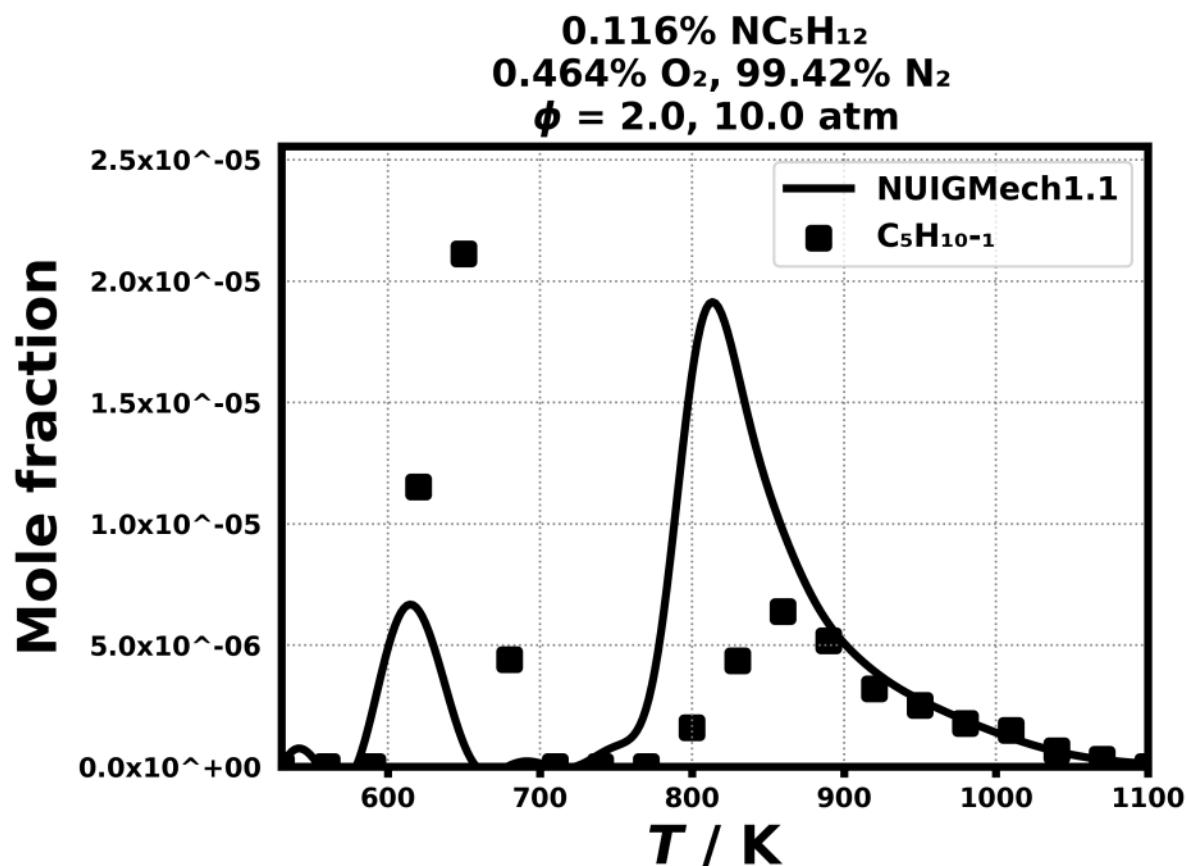


Figure 277: Dataset: 10_ATM_PHI_2.0

1.3.248 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

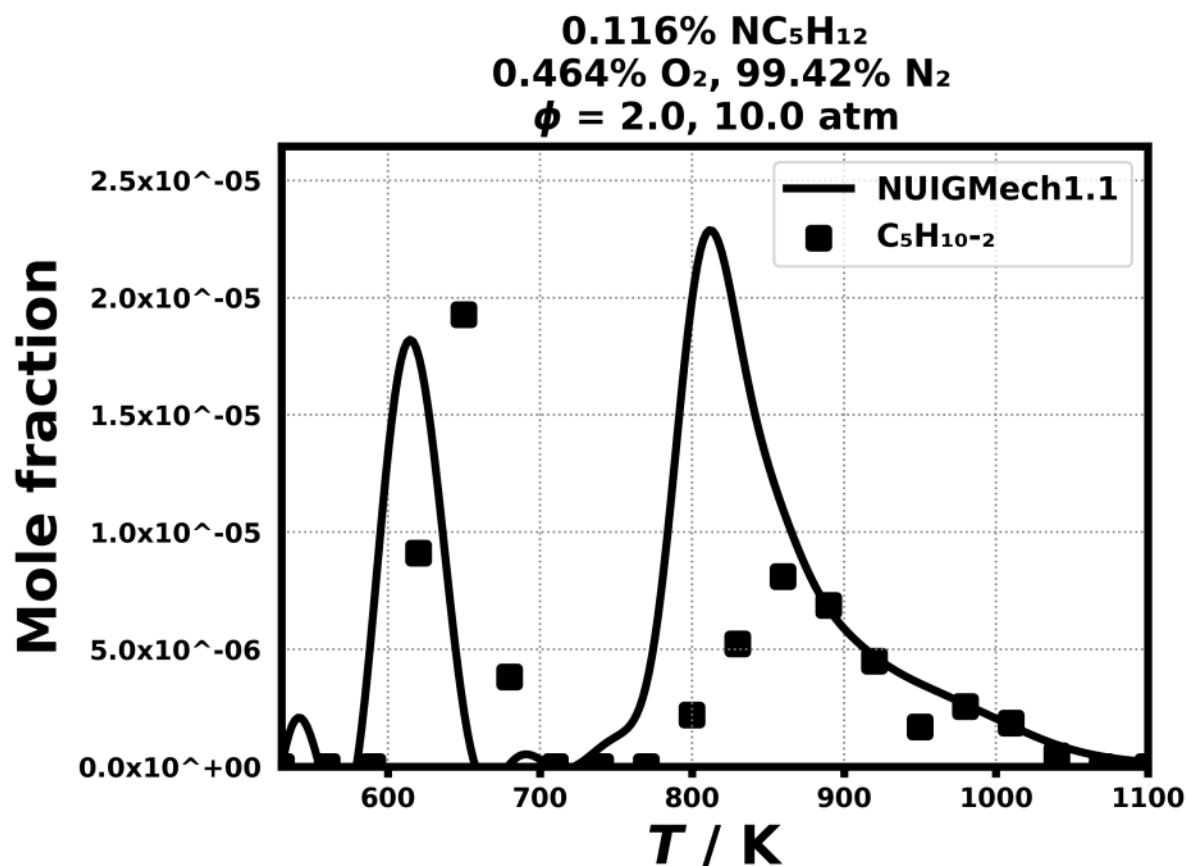


Figure 278: Dataset: 10_ATM_PHI_2.0

1.3.249 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

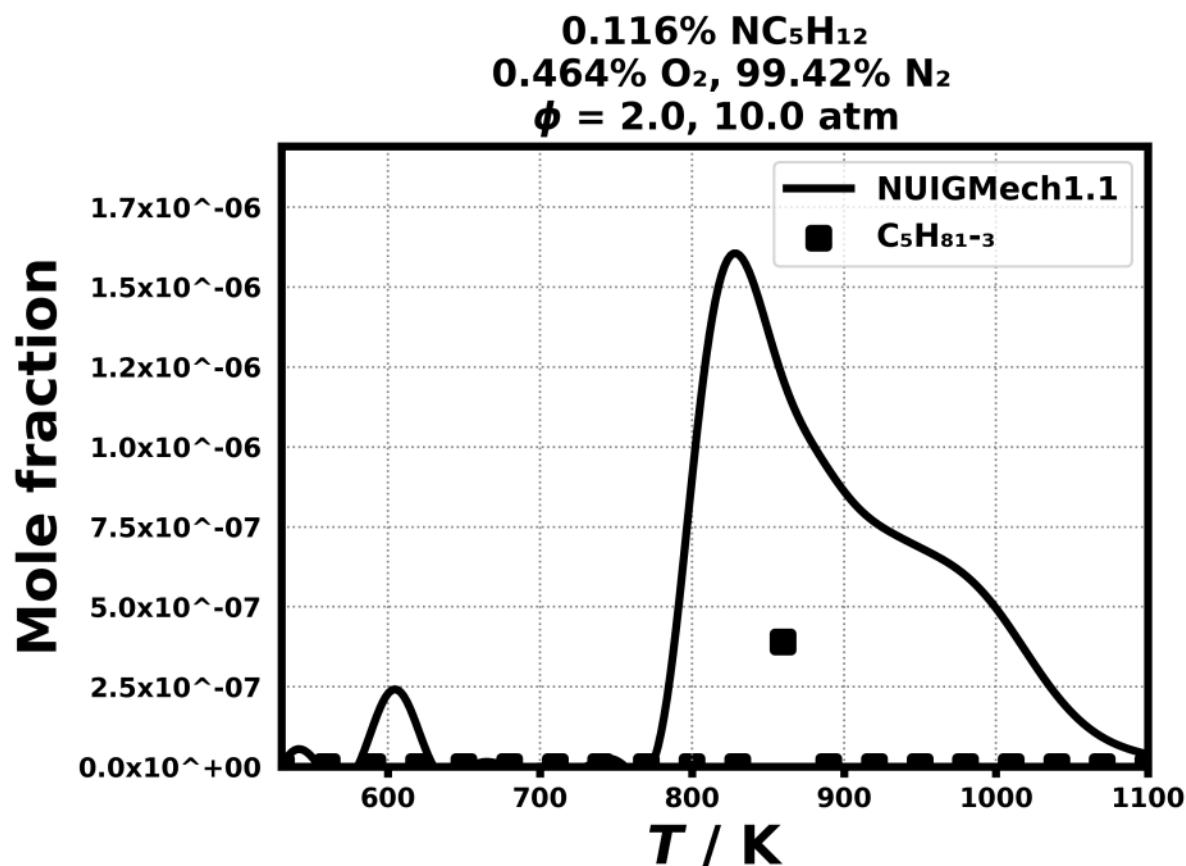


Figure 279: Dataset: 10_ATM_PHI_2.0

1.3.250 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

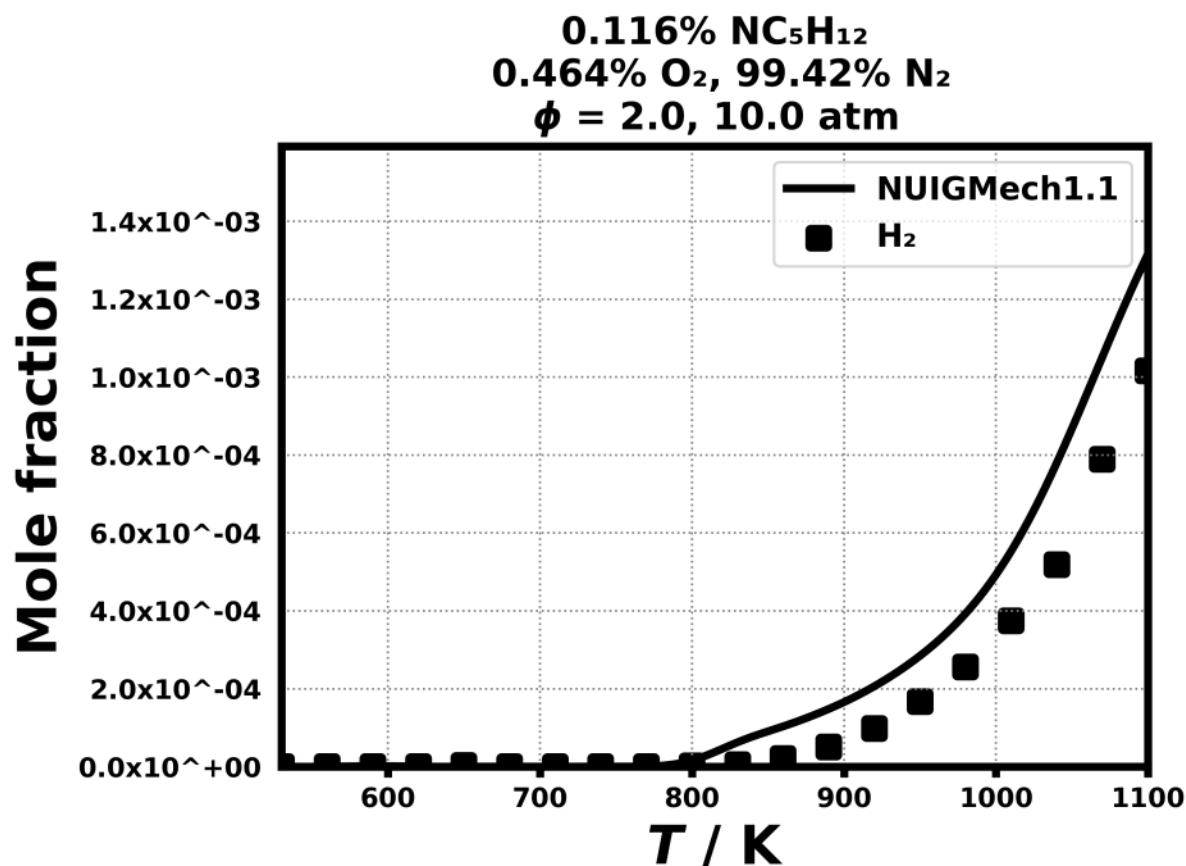


Figure 280: Dataset: 10_ATM_PHI_2.0

1.3.251 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

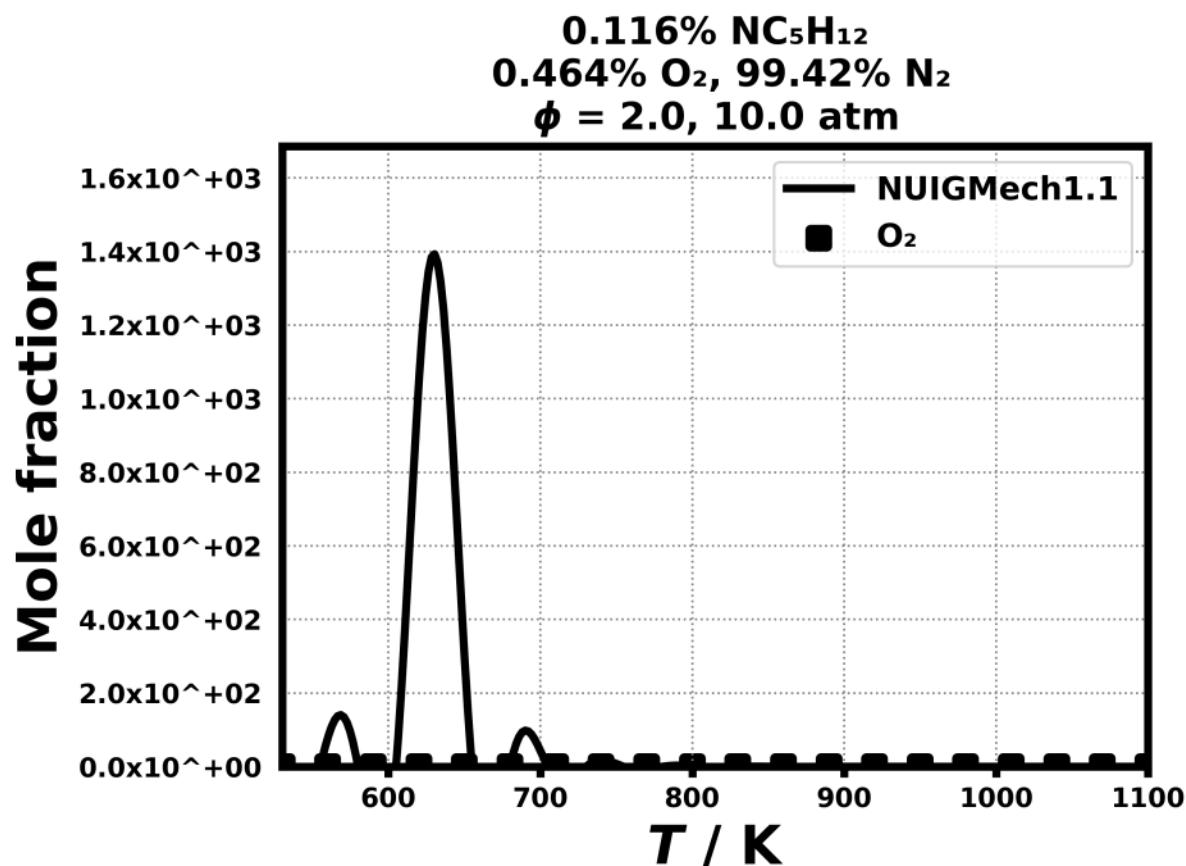


Figure 281: Dataset: 10_ATM_PHI_2.0

1.3.252 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

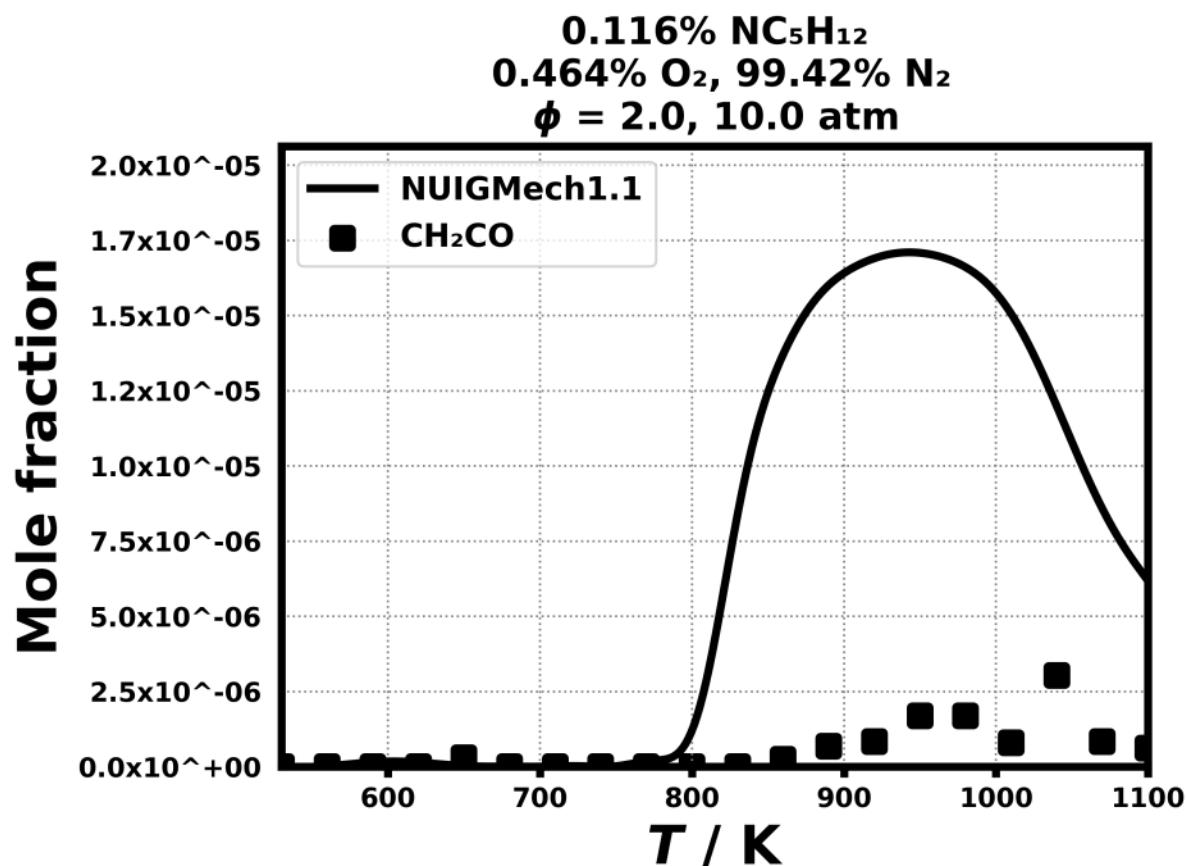


Figure 282: Dataset: 10_ATM_PHI_2.0

1.3.253 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

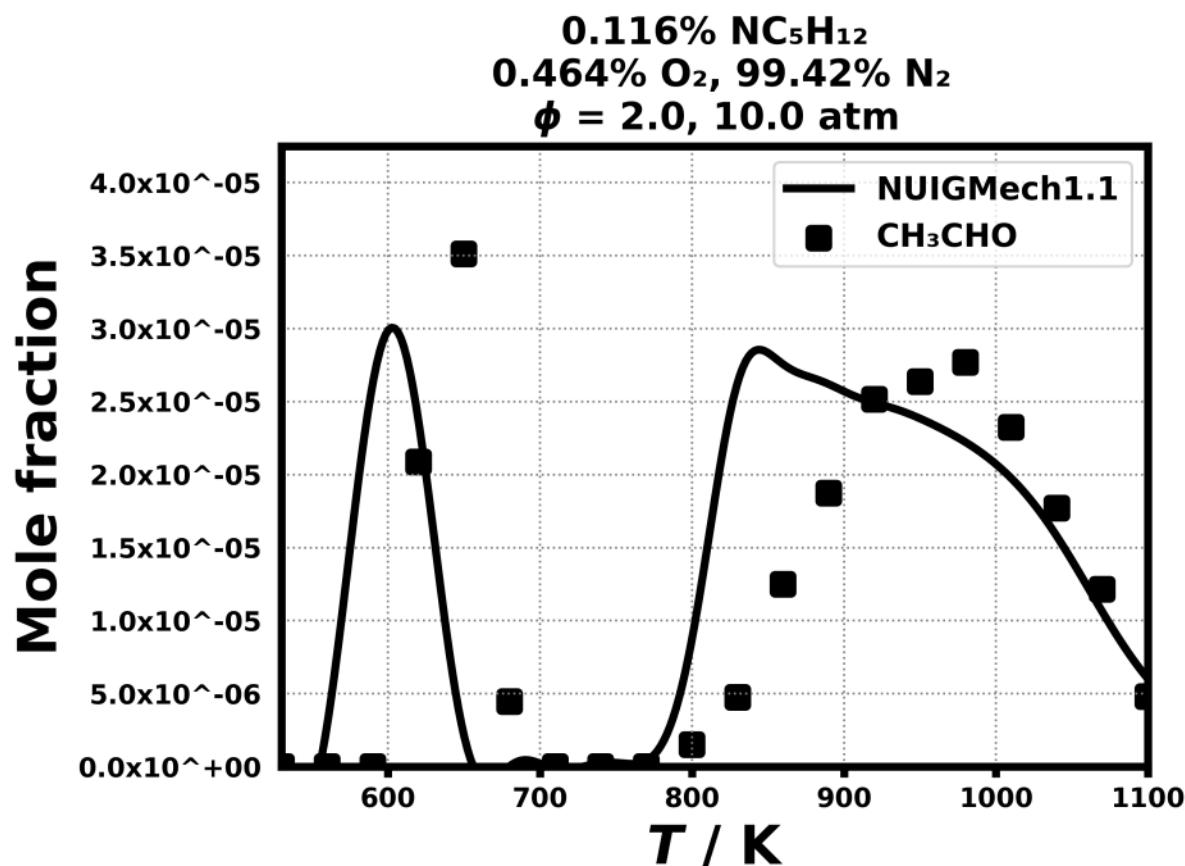


Figure 283: Dataset: 10_ATM_PHI_2.0

1.3.254 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

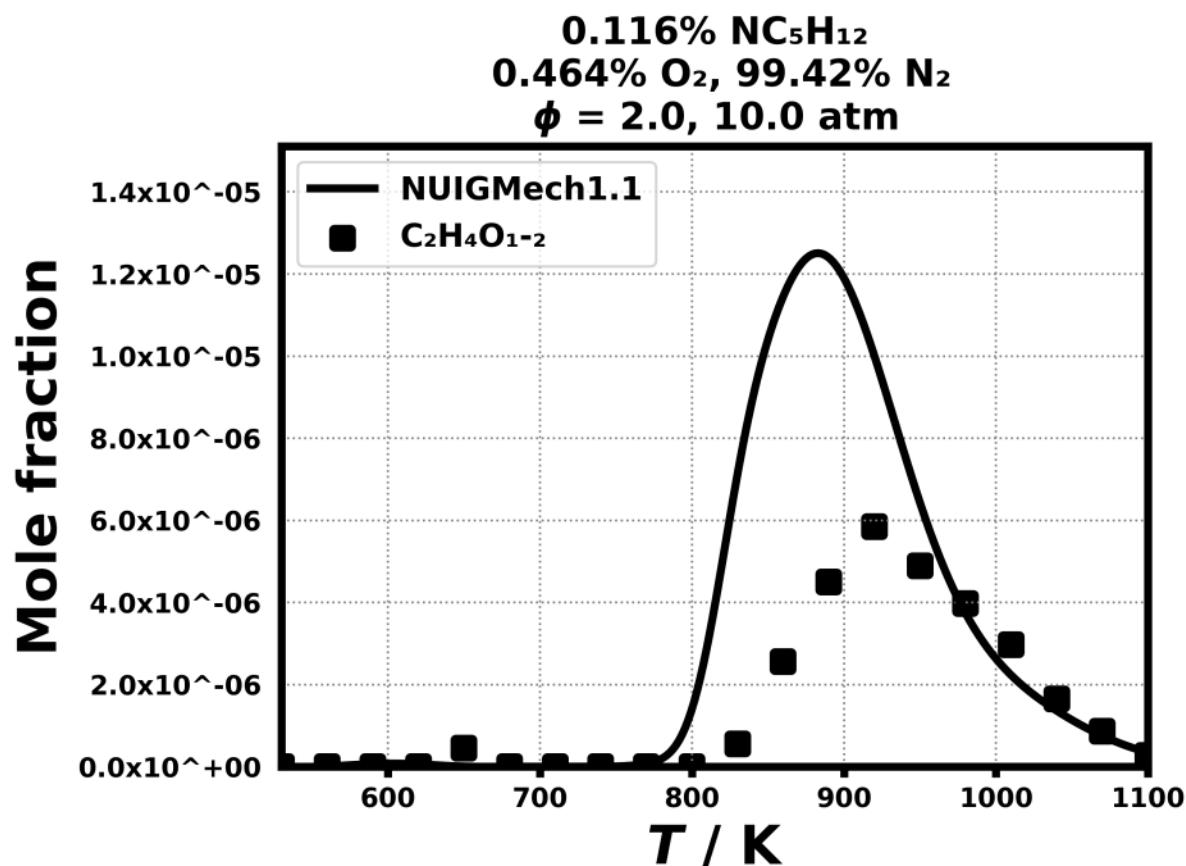


Figure 284: Dataset: 10_ATM_PHI_2.0

1.3.255 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

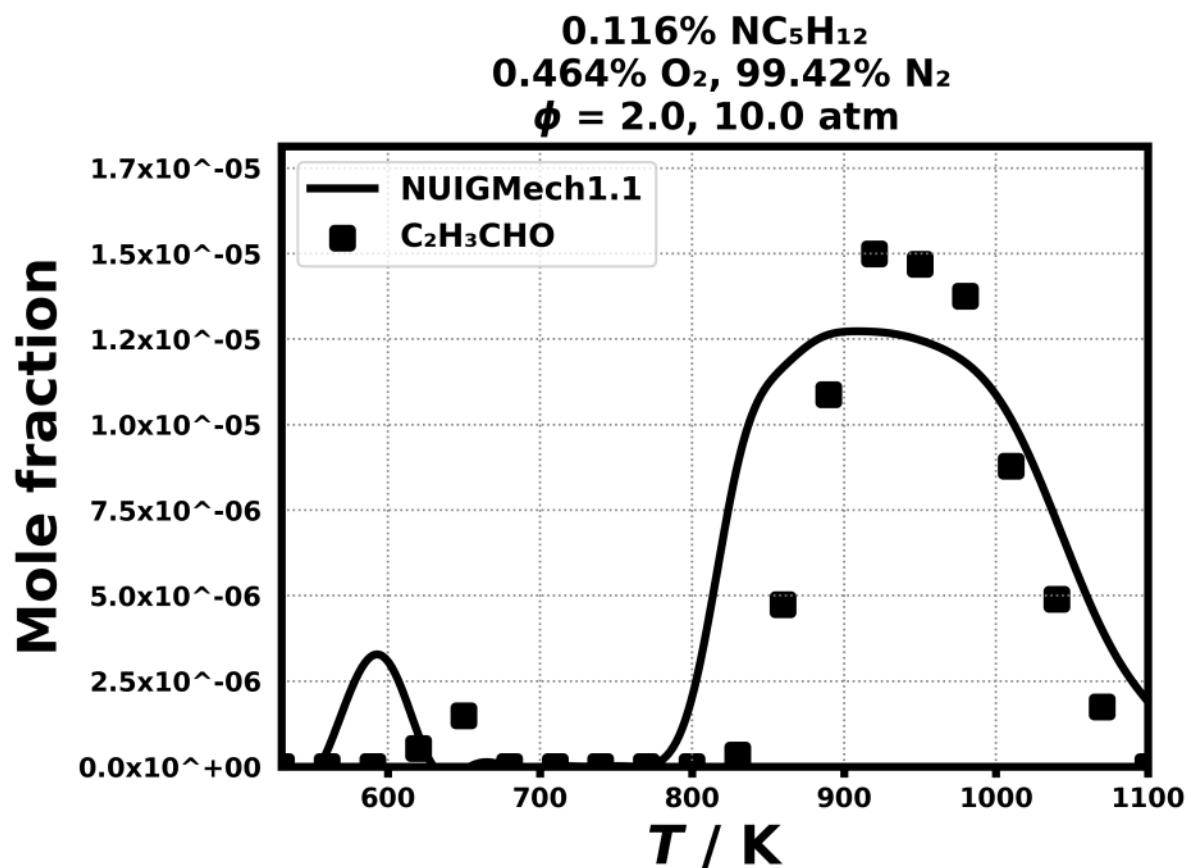


Figure 285: Dataset: 10_ATM_PHI_2.0

1.3.256 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

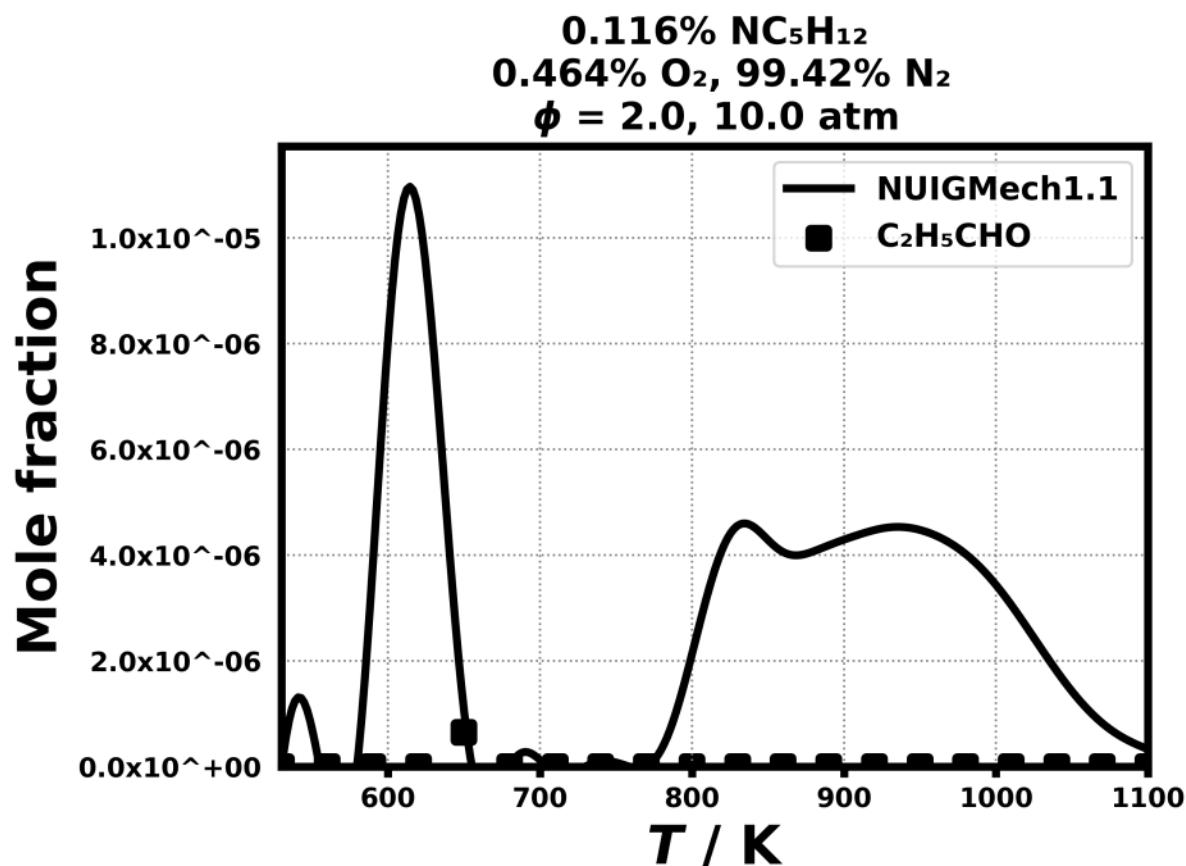


Figure 286: Dataset: 10_ATM_PHI_2.0

1.3.257 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

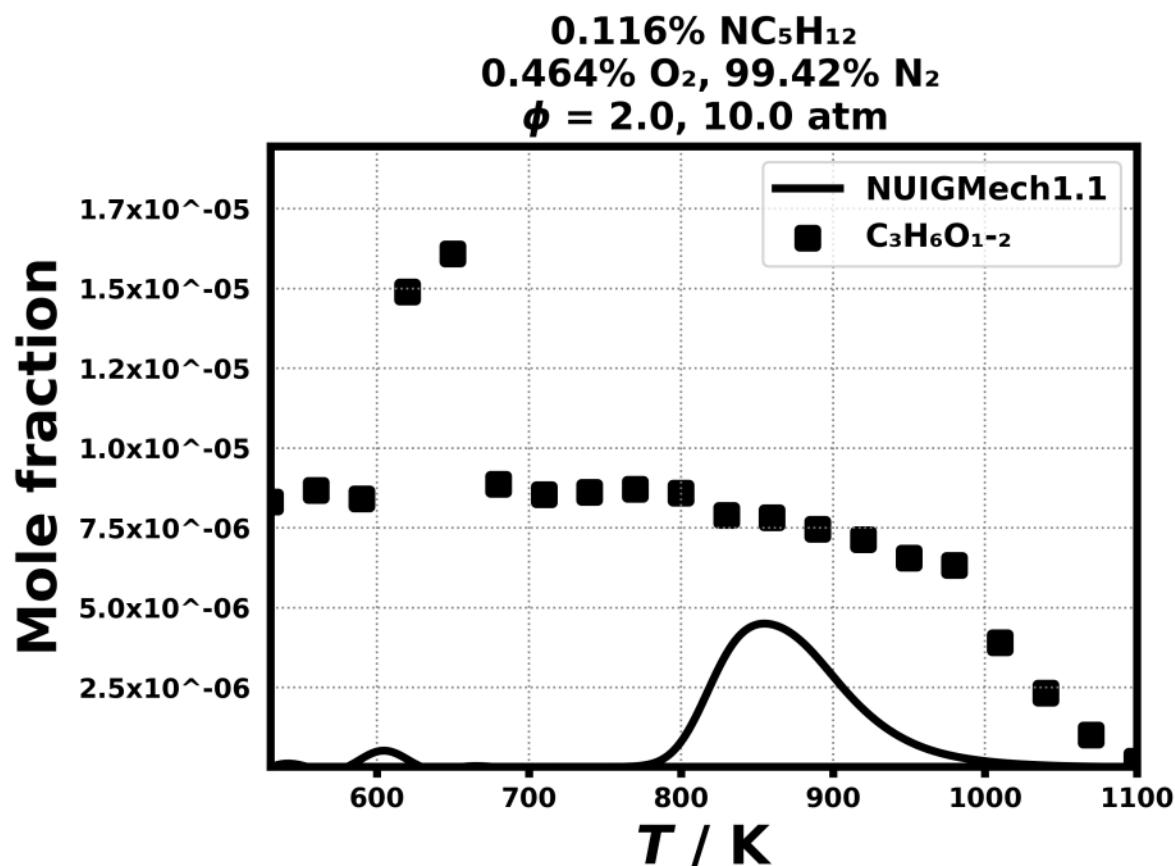


Figure 287: Dataset: 10_ATM_PHI_2.0

1.3.258 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

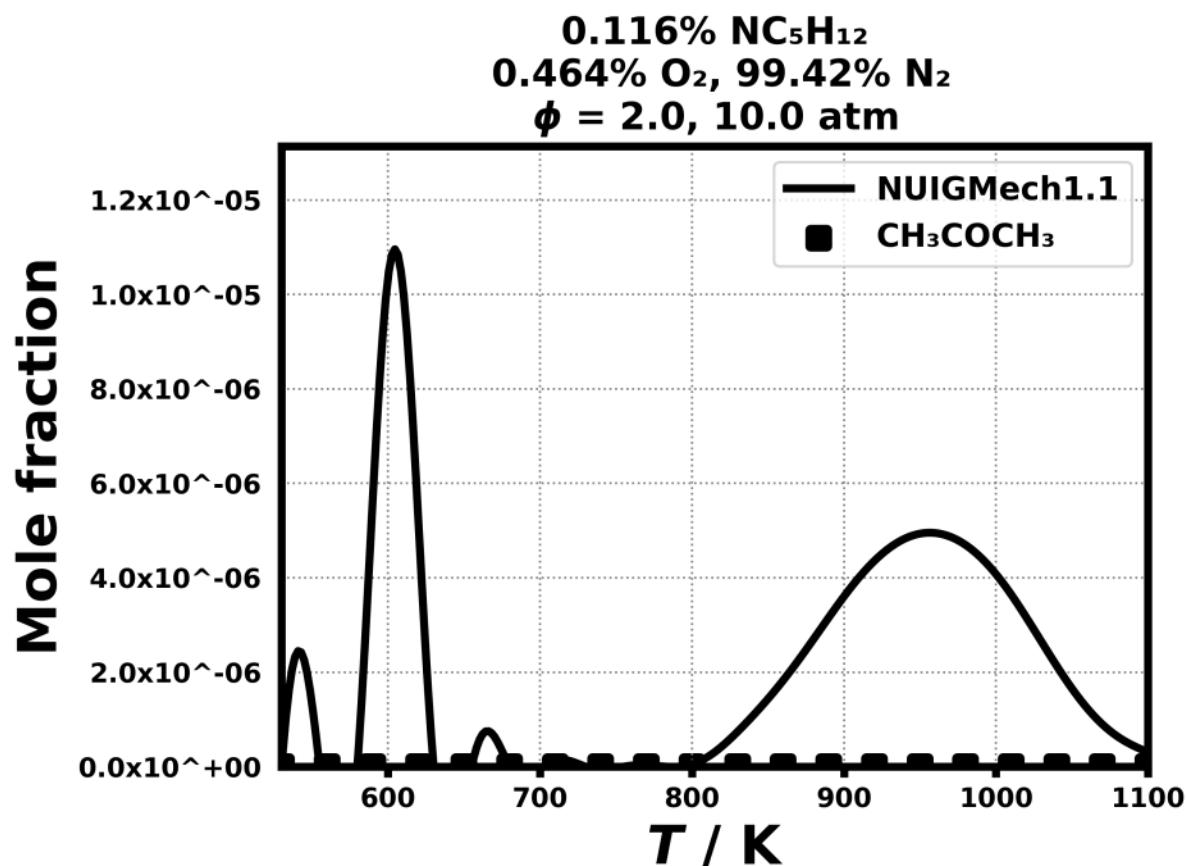


Figure 288: Dataset: 10_ATM_PHI_2.0

1.3.259 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

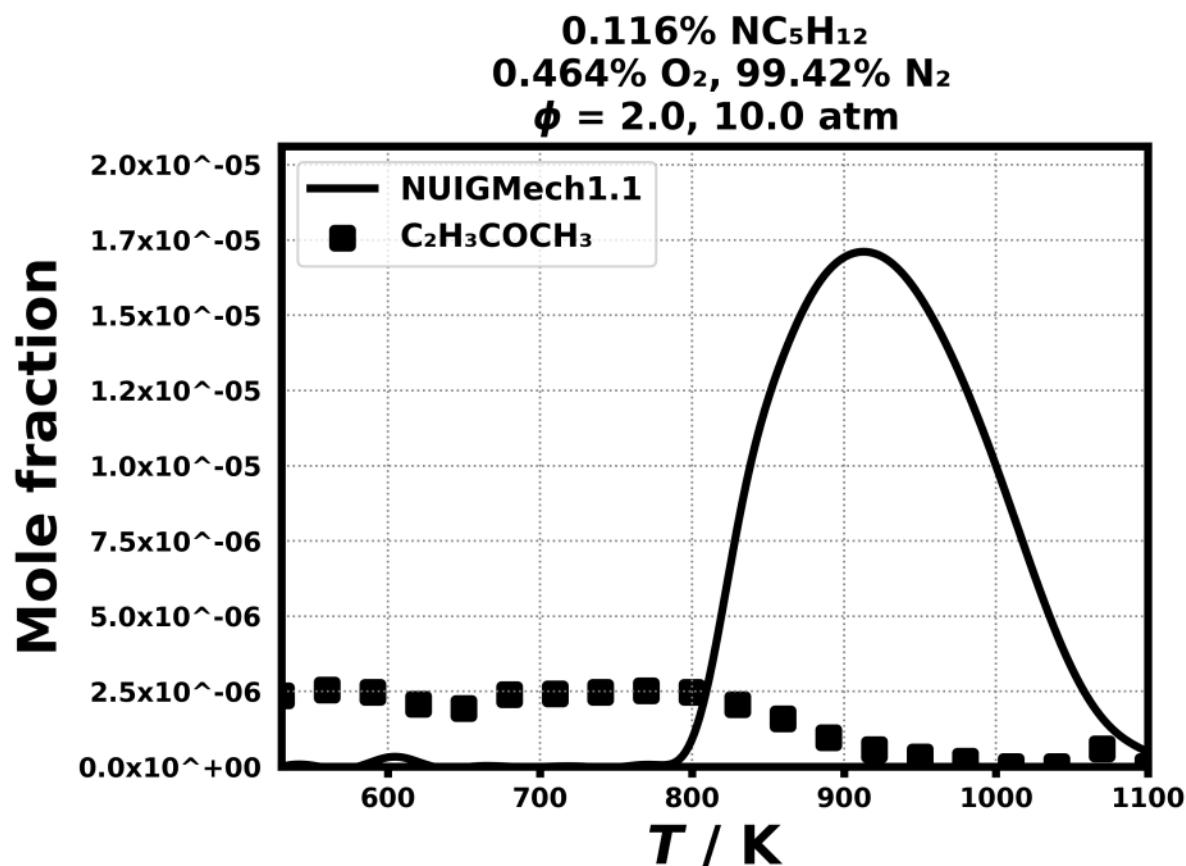


Figure 289: Dataset: 10_ATM_PHI_2.0

1.3.260 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

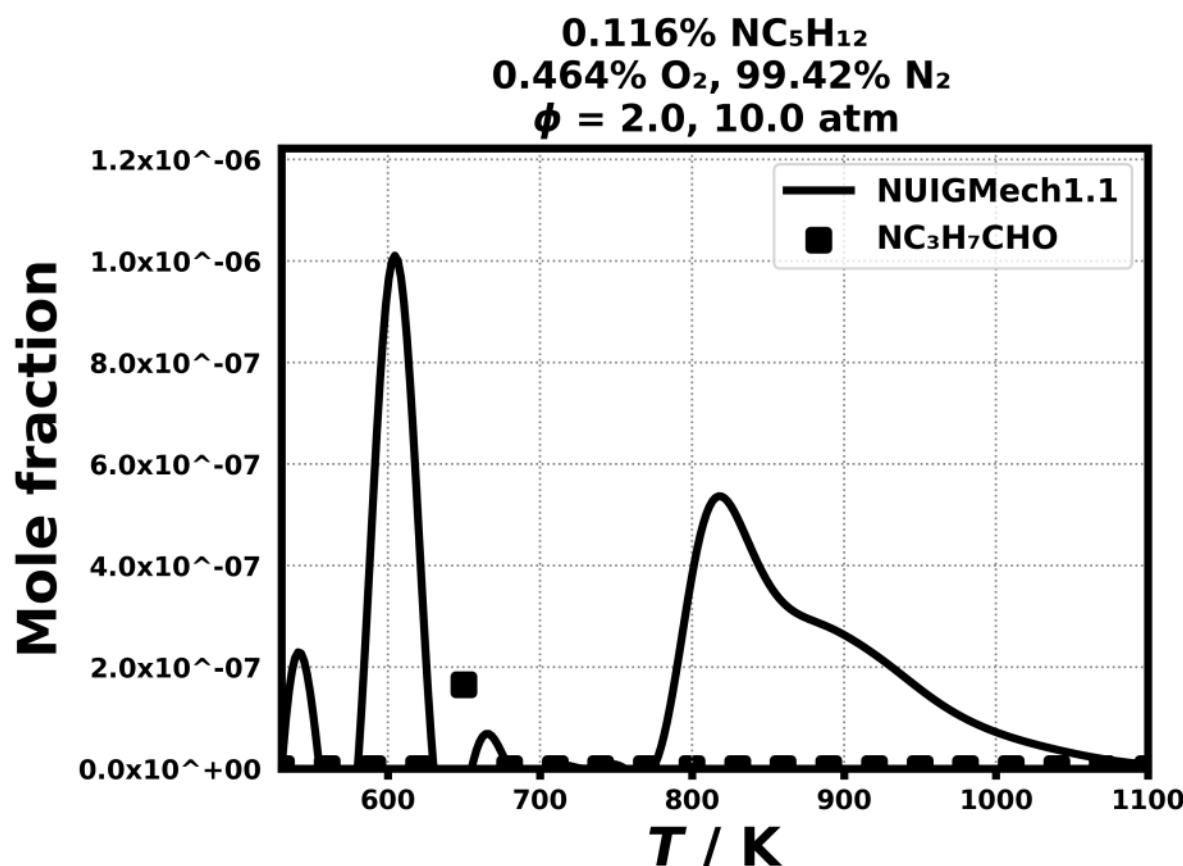


Figure 290: Dataset: 10_ATM_PHI_2.0

1.3.261 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

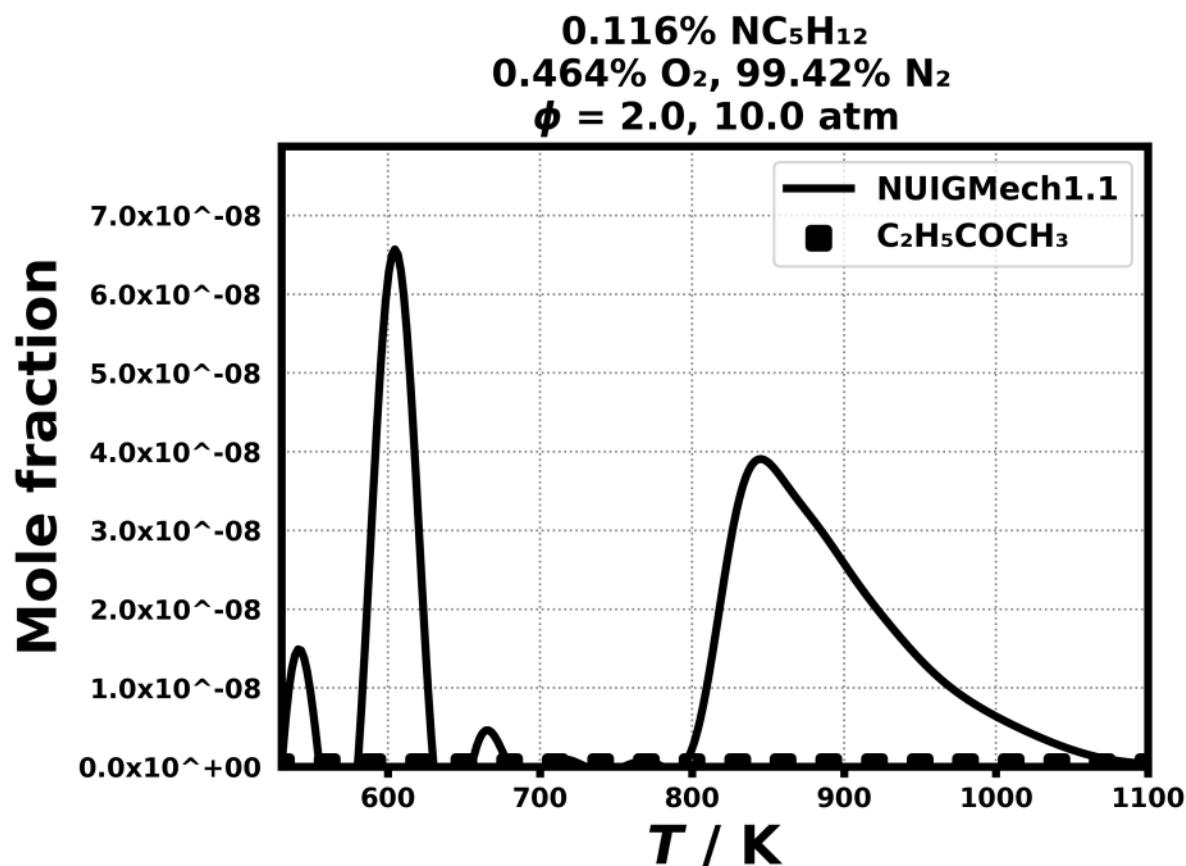


Figure 291: Dataset: 10_ATM_PHI_2.0

1.3.262 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

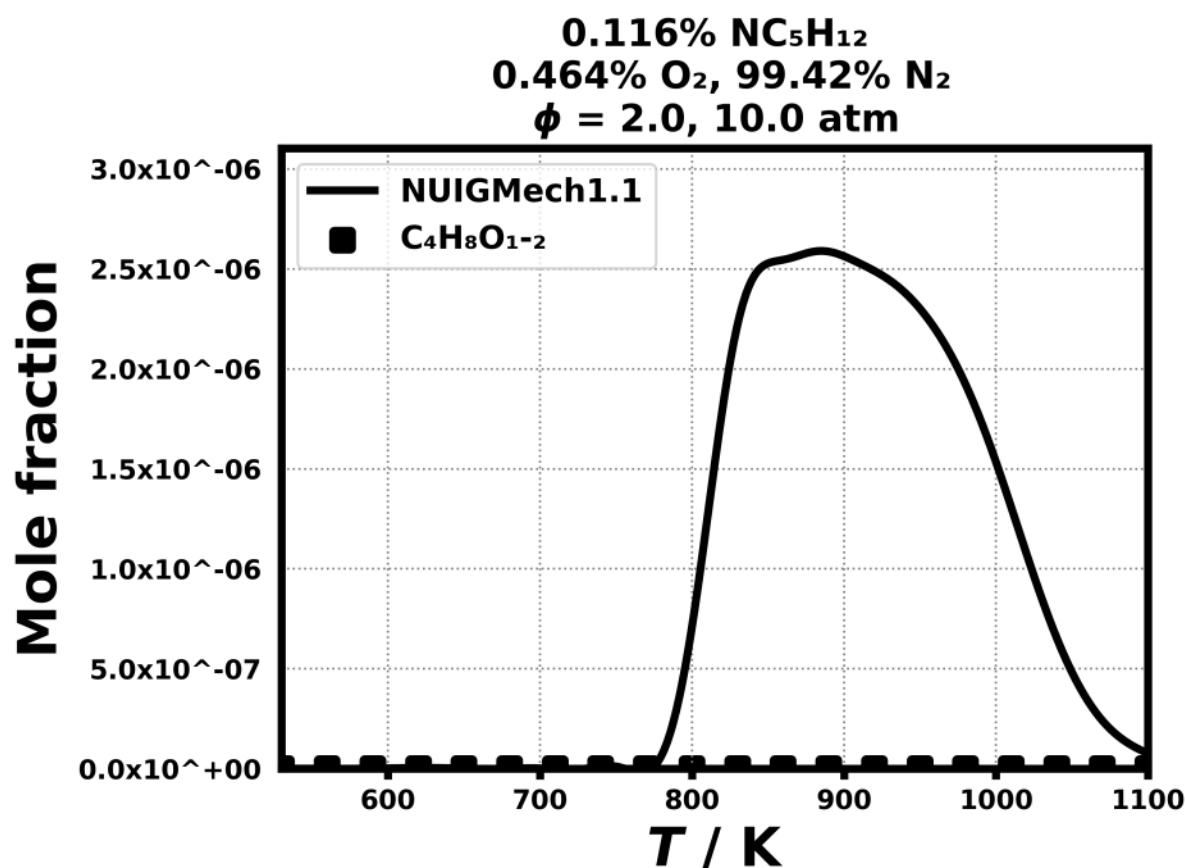


Figure 292: Dataset: 10_ATM_PHI_2.0

1.3.263 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

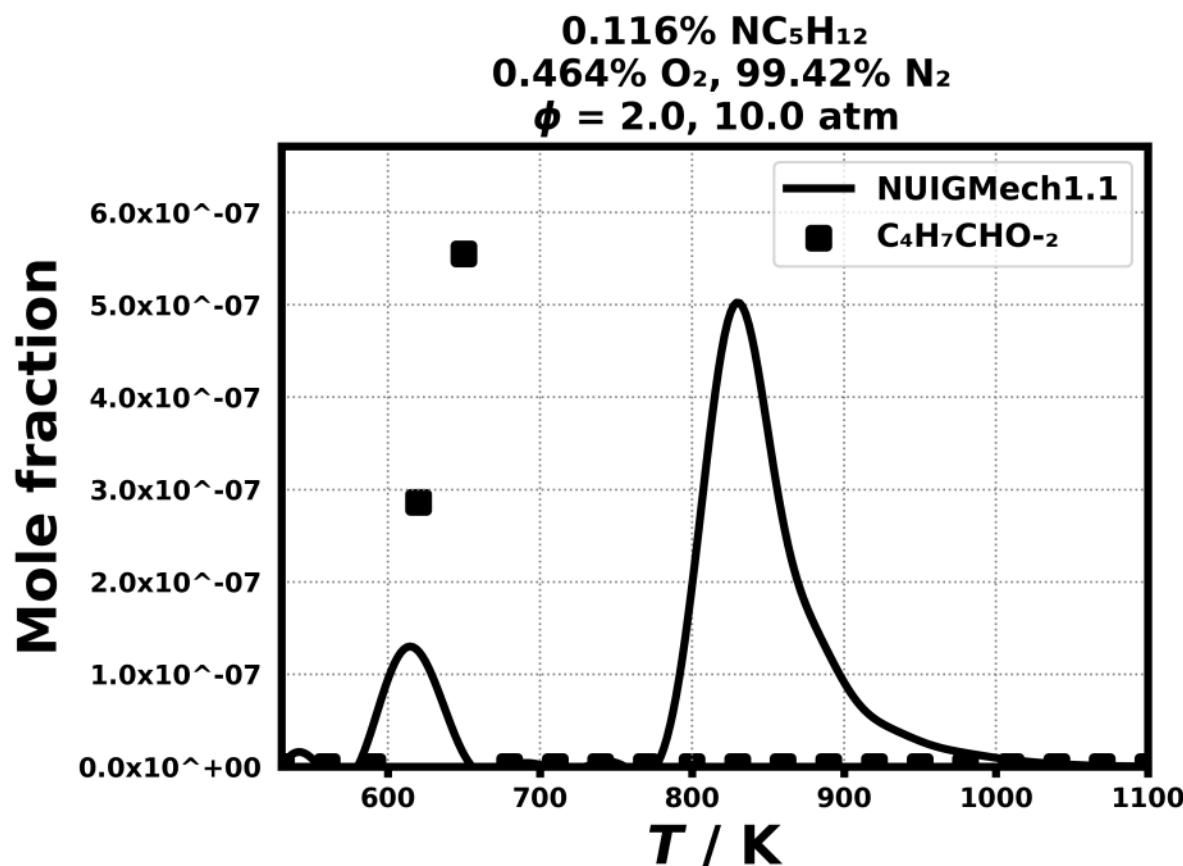


Figure 293: Dataset: 10_ATM_PHI_2.0

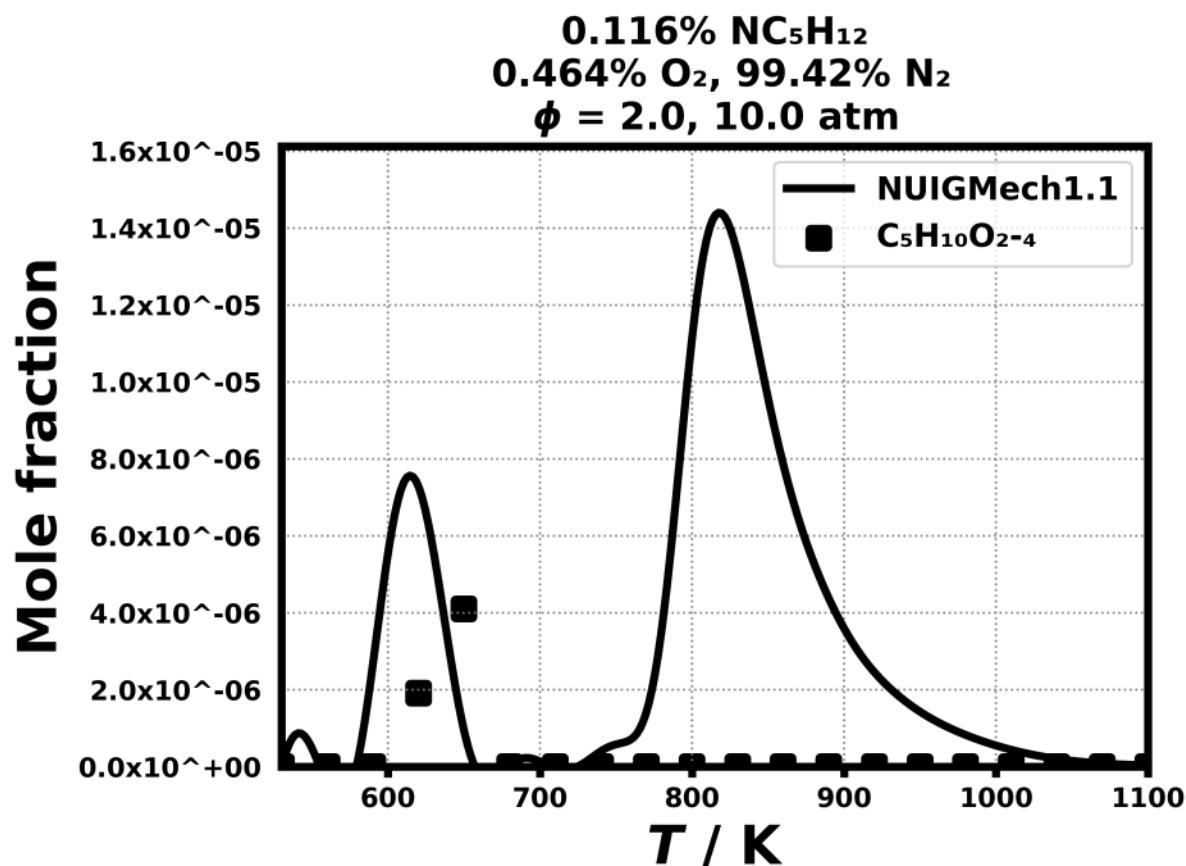


Figure 294: Dataset: 10_ATM_PHI_2.0

1.3.265 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

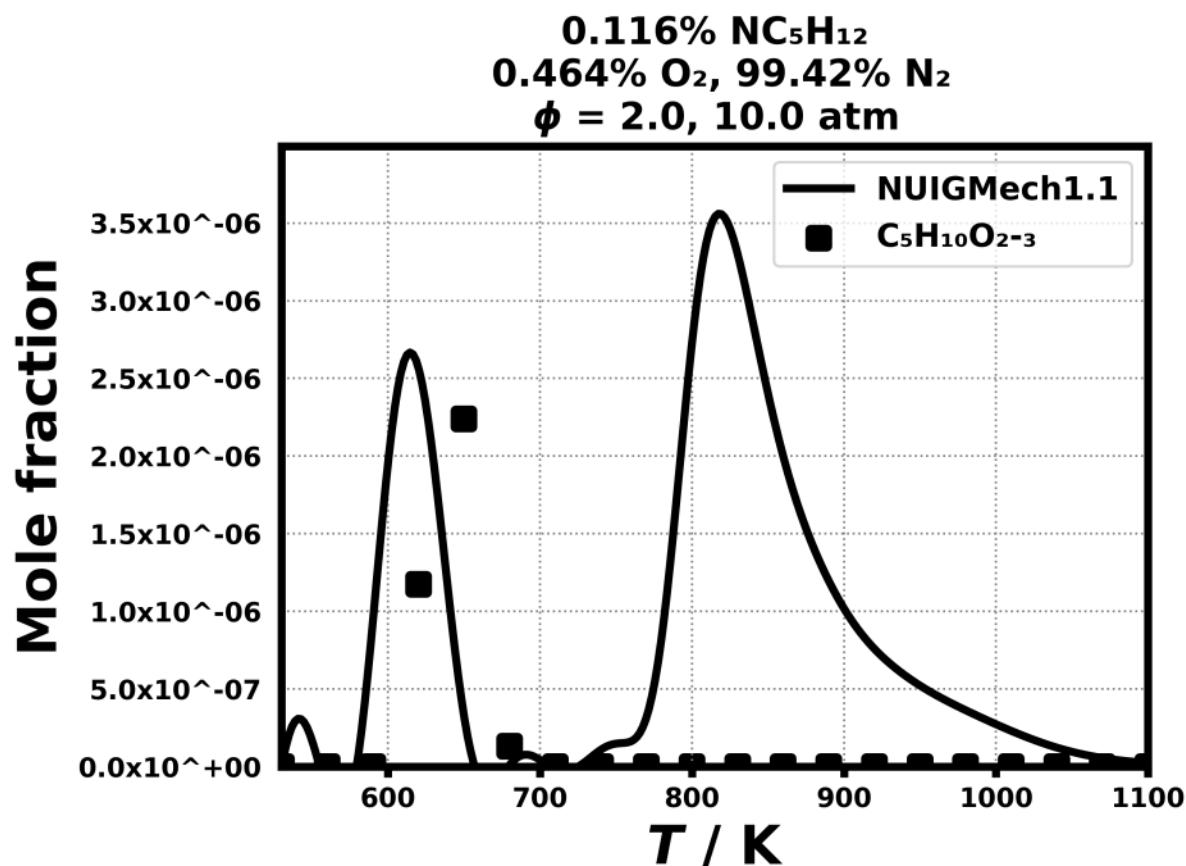


Figure 295: Dataset: 10_ATM_PHI_2.0

1.3.266 Case: n-C₅H₁₂/JSR/BUGLER/10_ATM_PHI_2.0

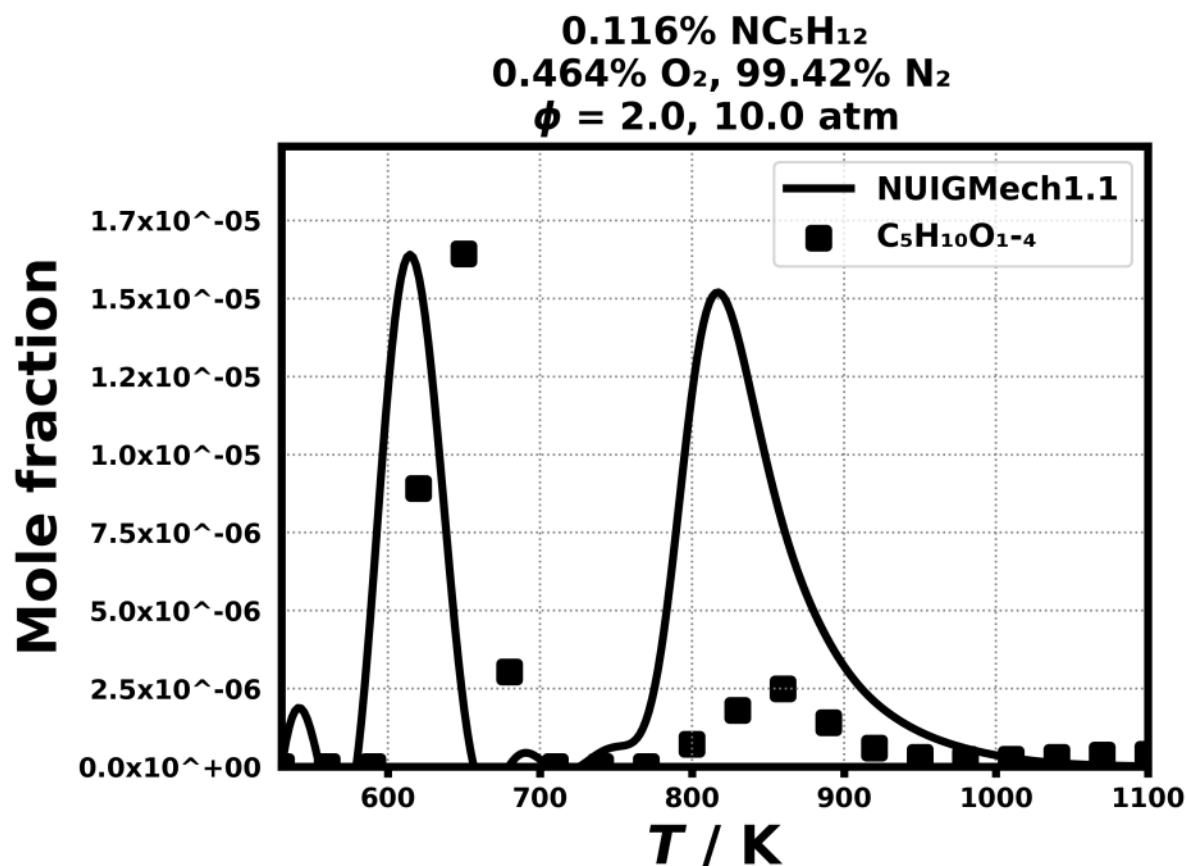


Figure 296: Dataset: 10_ATM_PHI_2.0

1.3.267 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

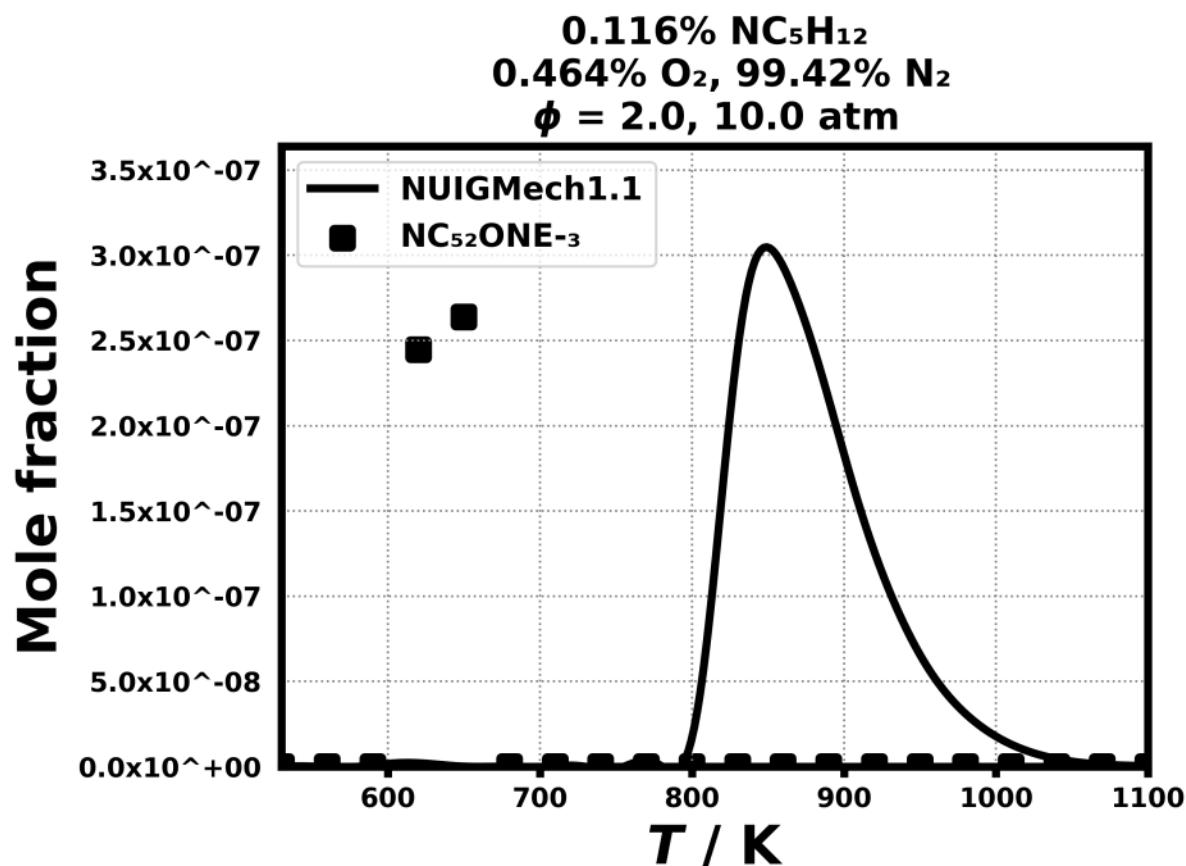


Figure 297: Dataset: 10_ATM_PHI_2.0

1.3.268 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

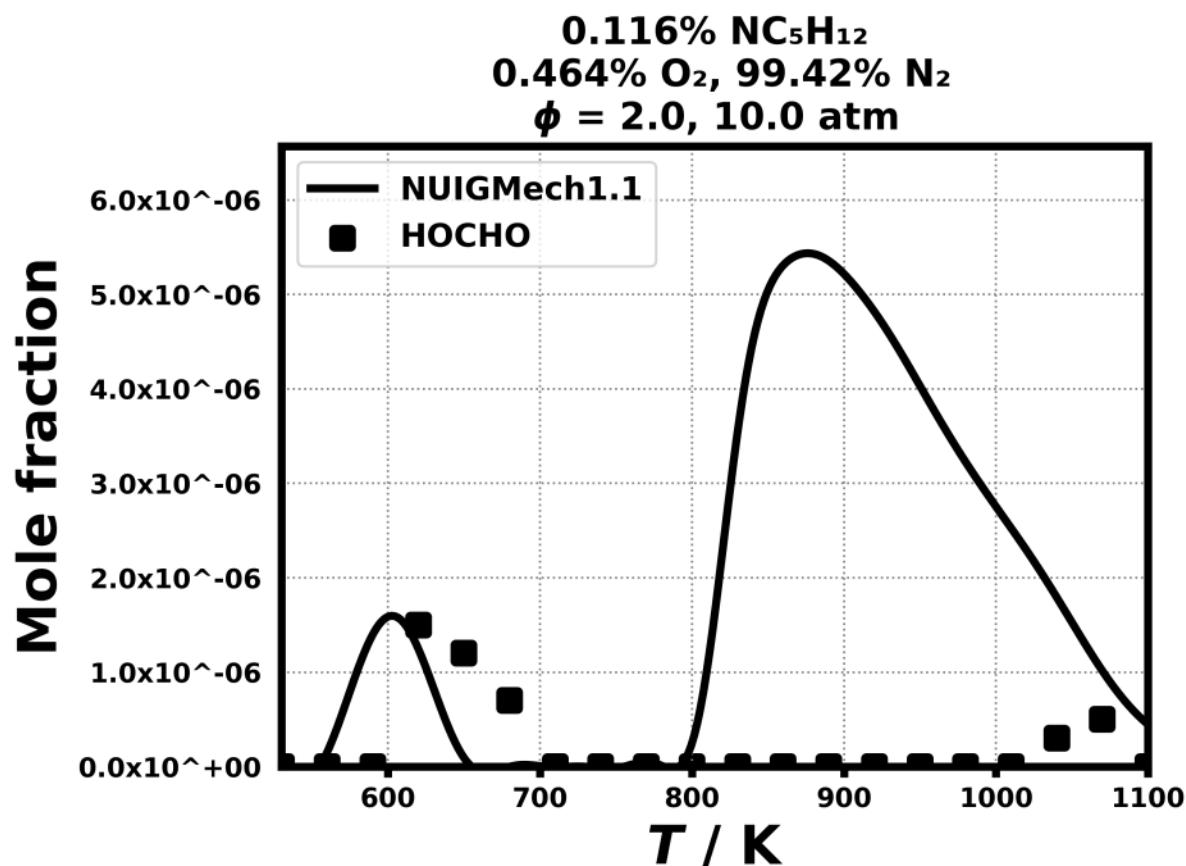


Figure 298: Dataset: 10_ATM_PHI_2.0

1.3.269 Case: n-C5H12/JSR/BUGLER/10_ATM_PHI_2.0

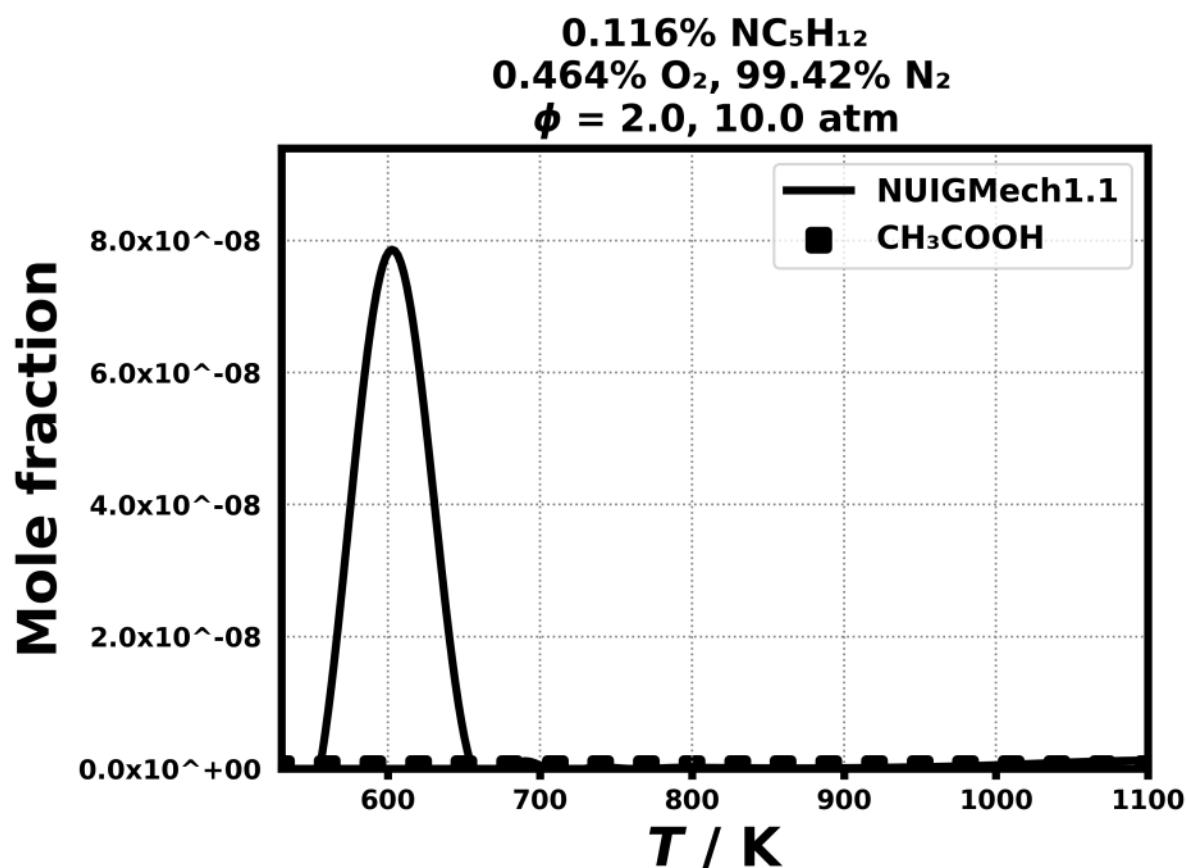


Figure 299: Dataset: 10_ATM_PHI_2.0

Validation for iC₅H₁₂

Shock tube ignition delay time

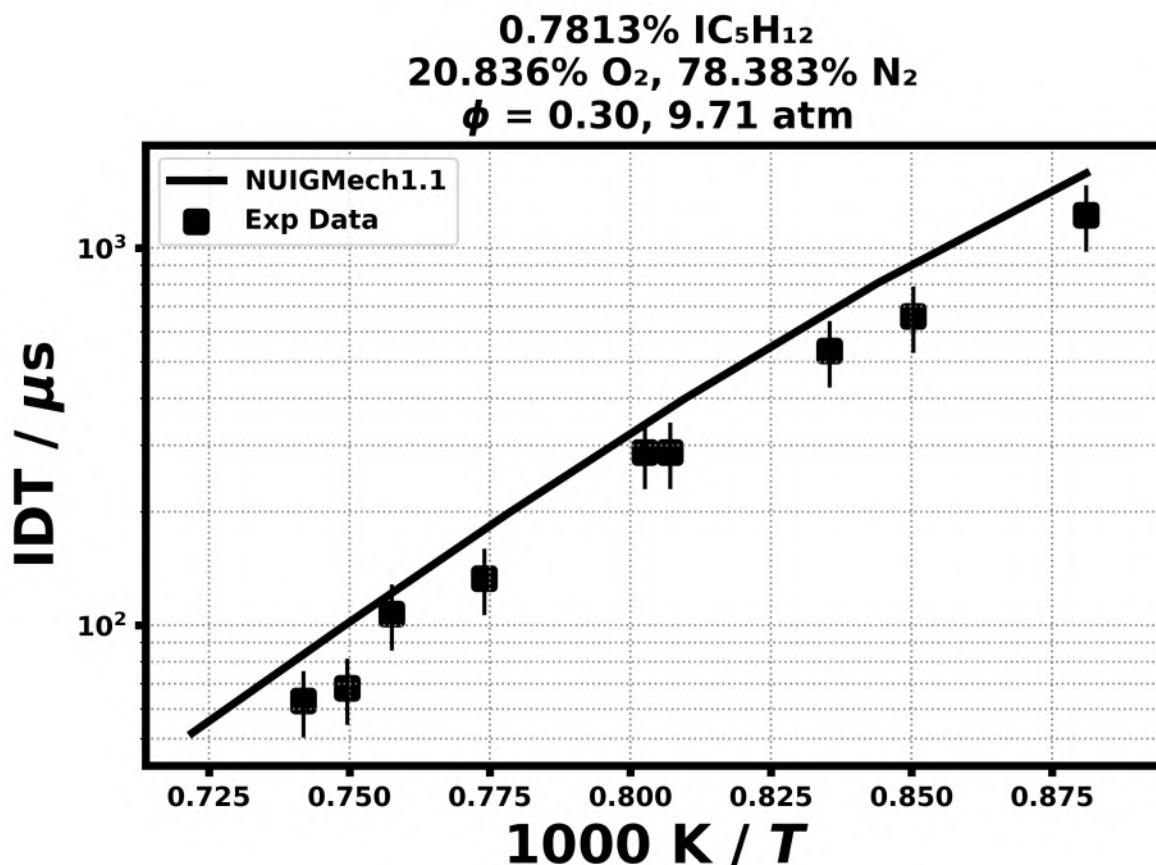


Figure 300: Dataset: 10_ATM_0.8_IC5H12_PHI_0.3

2.1.2 Case: iso-C₅H₁₂/ST/BUGLER/10_ATM_1.3_IC5H12_PHI_0.5

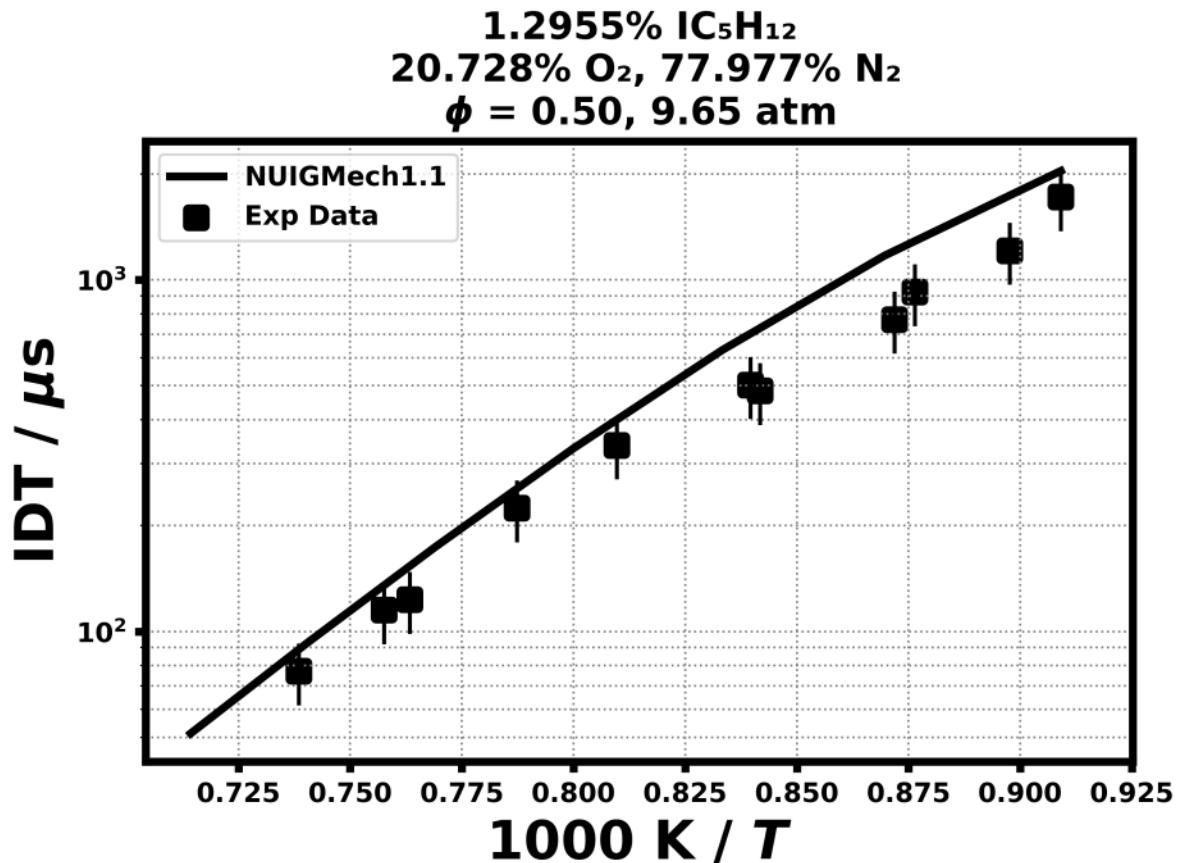


Figure 301: Dataset: 10_ATM_1.3_IC5H12_PHI_0.5

2.1.3 Case: iso-C₅H₁₂/ST/BUGLER/10_ATM_2.6_IC5H12_PHI_1.0

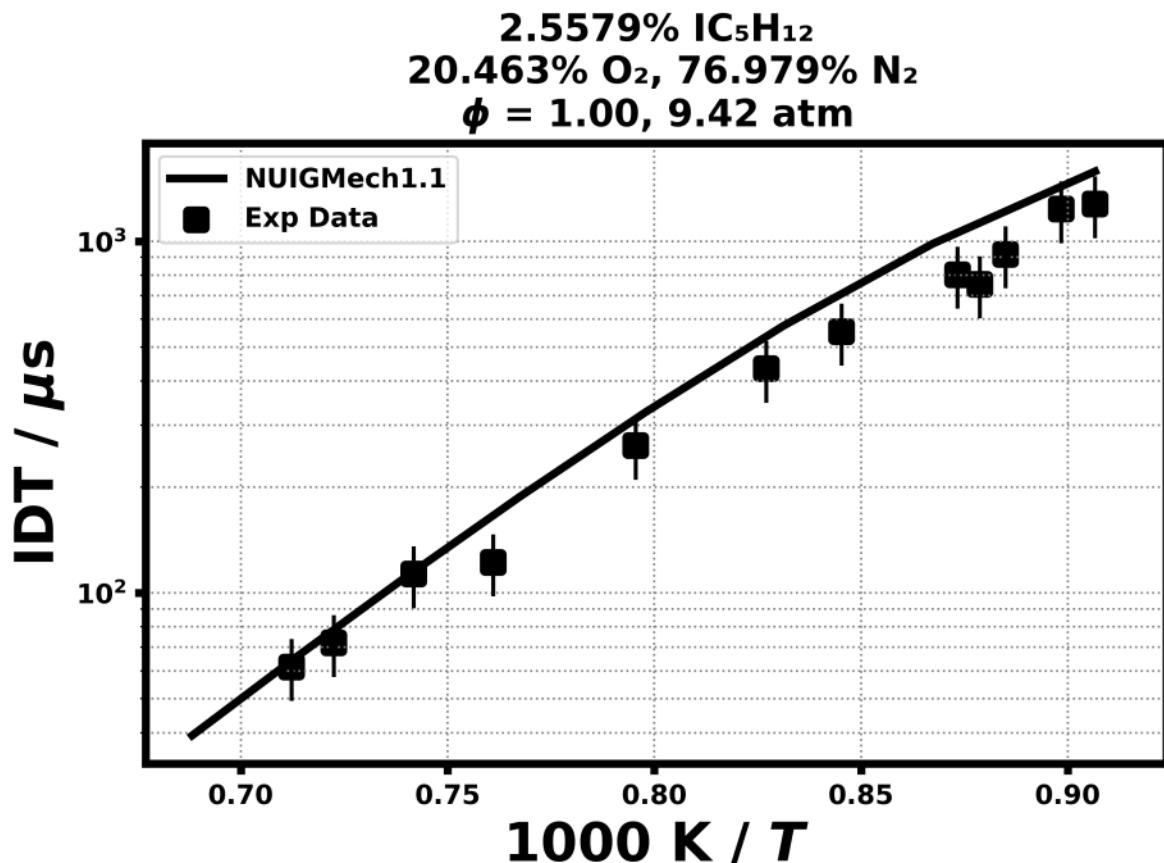


Figure 302: Dataset: 10_ATM_2.6_IC5H12_PHI_1.0

2.1.4 Case: iso-C₅H₁₂/ST/BUGLER/10_ATM_5.0_IC5H12_PHI_2.0

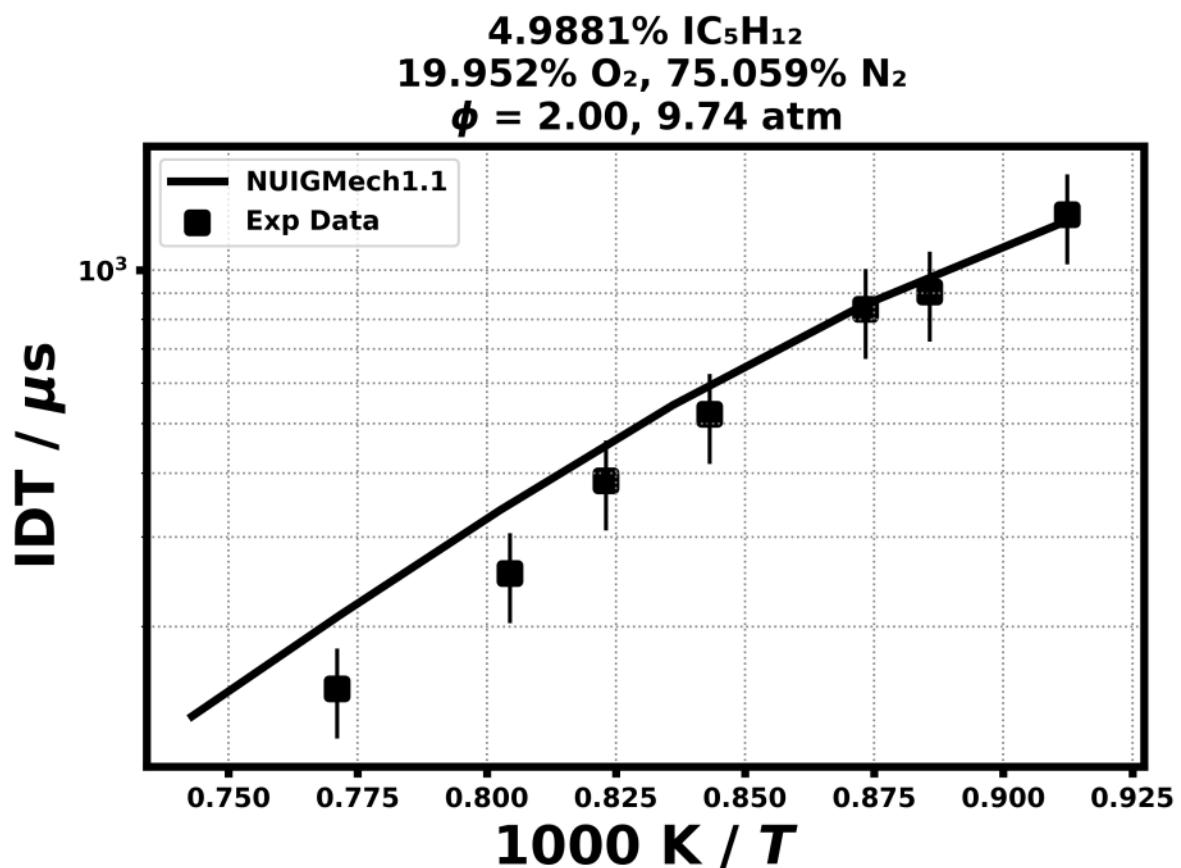


Figure 303: Dataset: 10_ATM_5.0_IC5H12_PHI_2.0

2.1.5 Case: iso-C₅H₁₂/ST/BUGLER/20_ATM_0.8_IC5H12_PHI_0.3

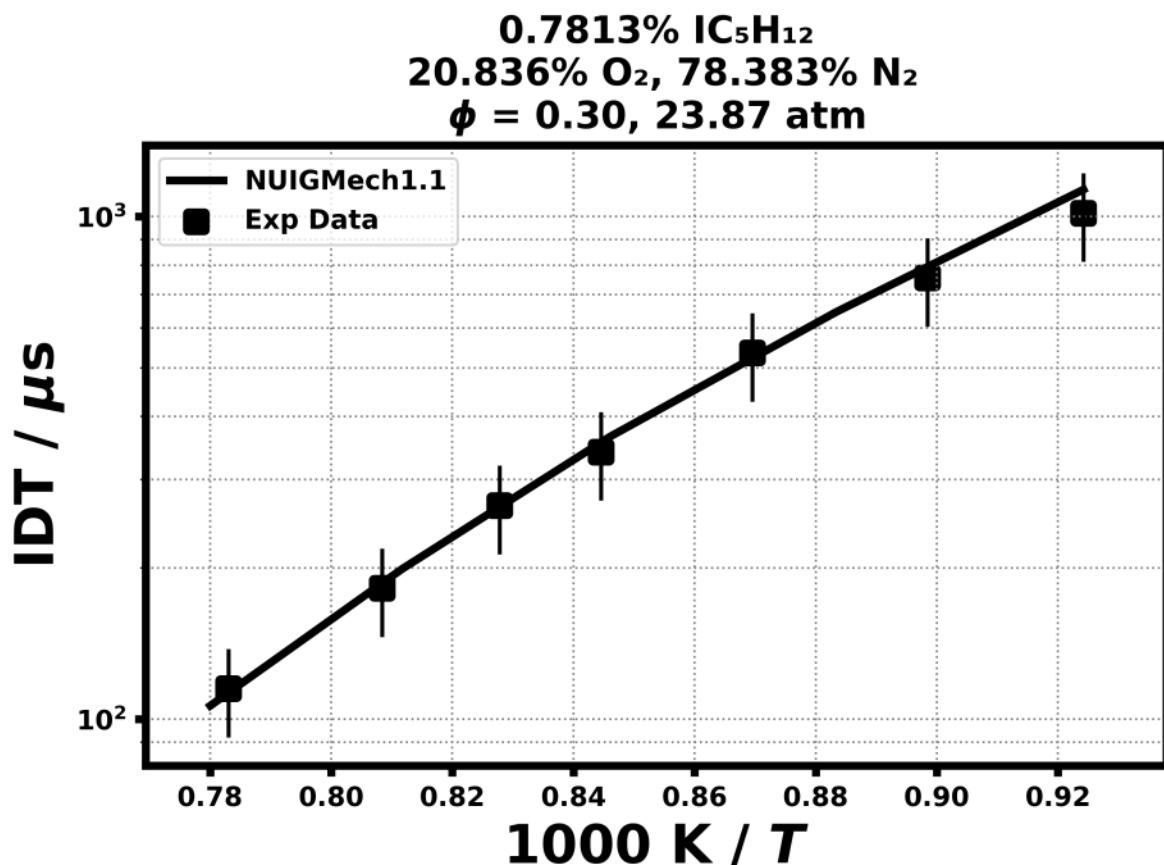


Figure 304: Dataset: 20_ATM_0.8_IC5H12_PHI_0.3

2.1.6 Case: iso-C₅H₁₂/ST/BUGLER/20_ATM_1.3_IC5H12_PHI_0.5

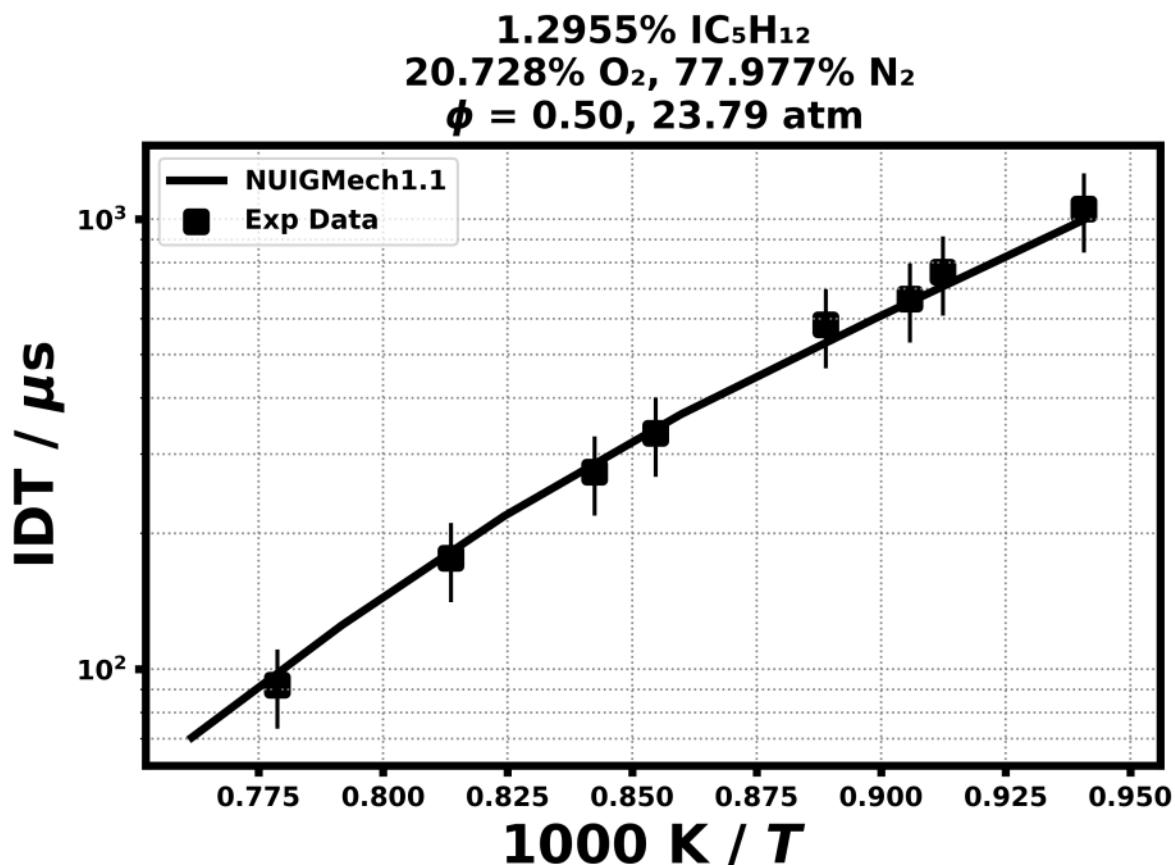


Figure 305: Dataset: 20_ATM_1.3_IC5H12_PHI_0.5

2.1.7 Case: iso-C₅H₁₂/ST/BUGLER/20_ATM_2.6_IC5H12_PHI_1.0

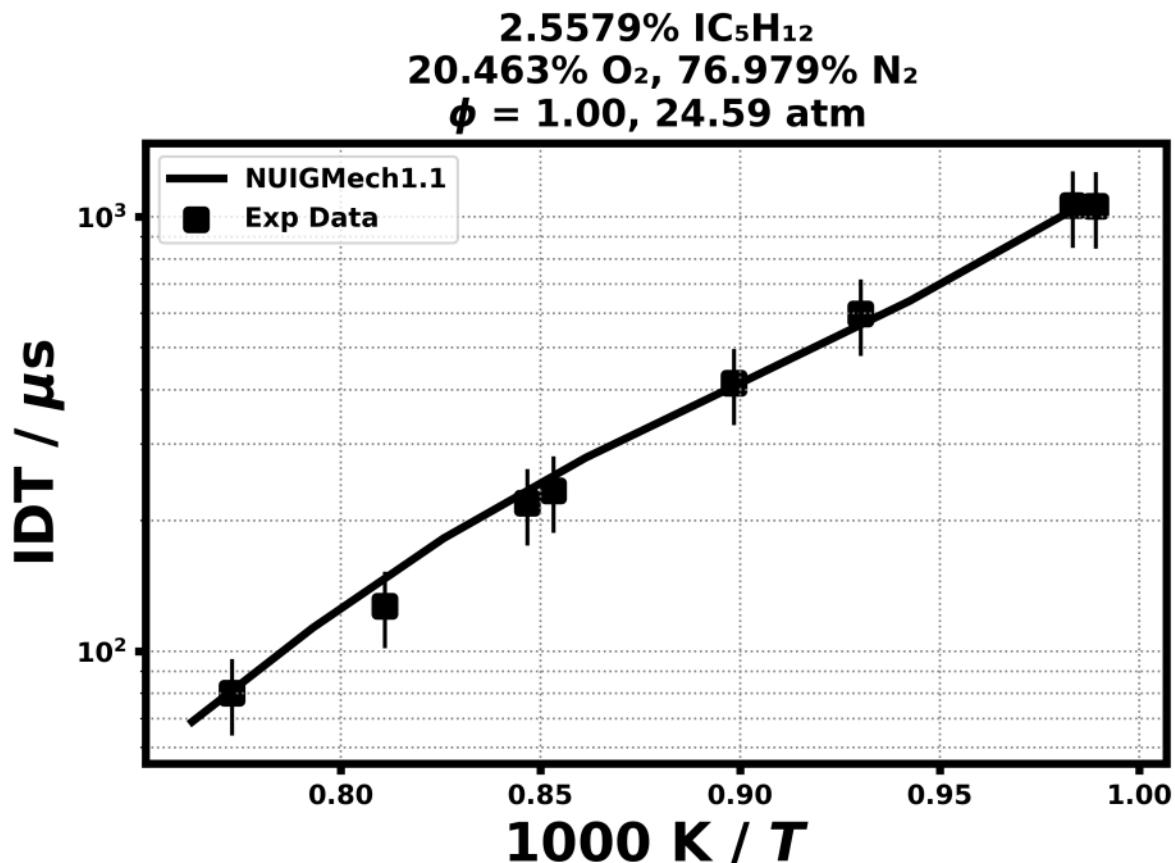


Figure 306: Dataset: 20_ATM_2.6_IC5H12_PHI_1.0

1.1.1 Case: iso-C₅H₁₂/ST/BUGLER/20_ATM_5.0_IC5H12_PHI_2.0

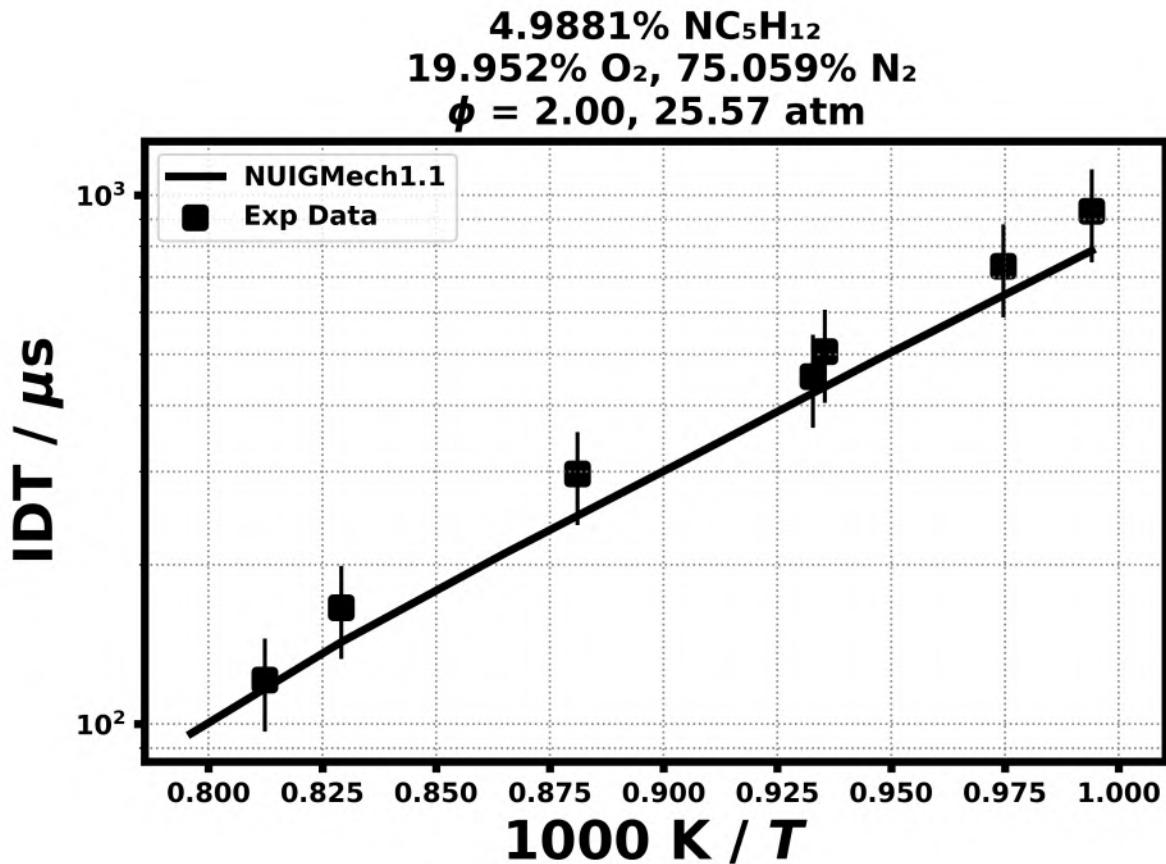


Figure 1: Dataset: 20_ATM_5.0_IC5H12_PHI_2.0

Bugler, John, et al. "An ignition delay time and chemical kinetic modeling study of the pentane isomers." Combustion and Flame 163 (2016): 138-156.

RCM Ignition delay time

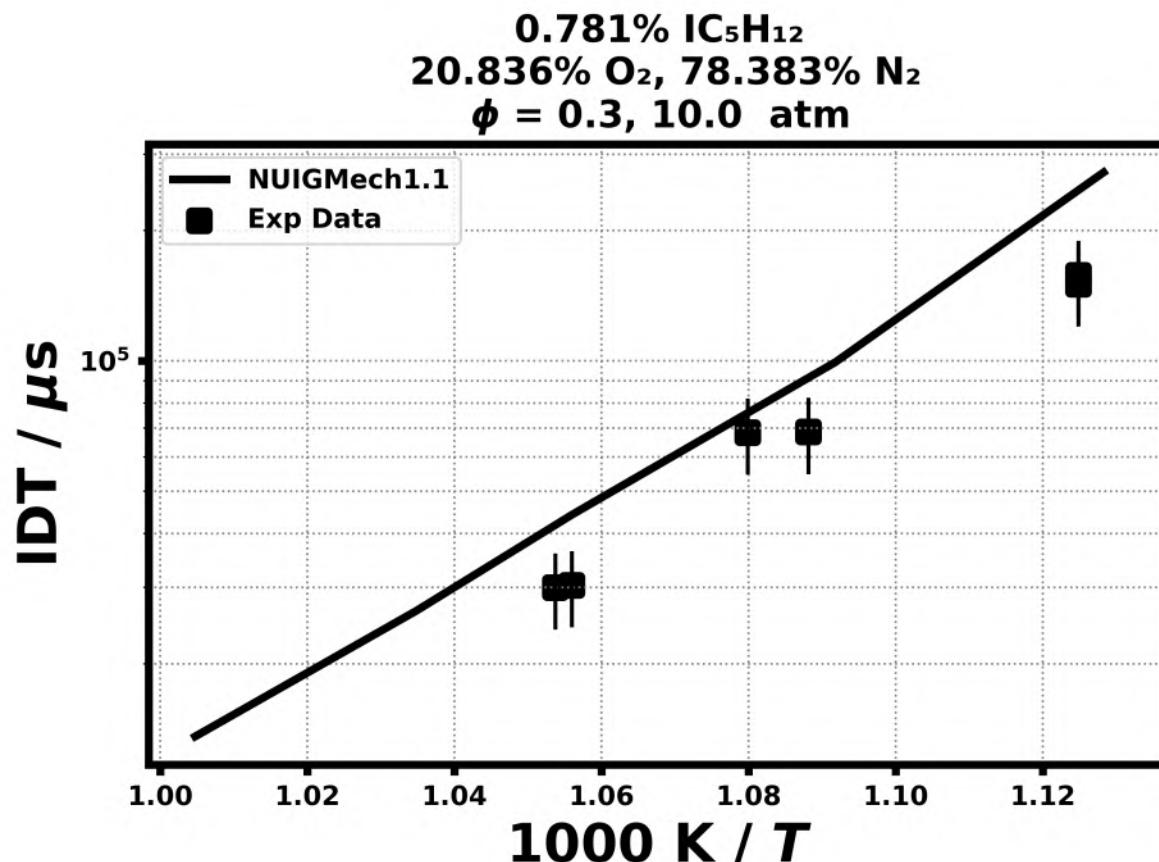


Figure 307: Dataset: F030_10ATM_100_N2

2.2.2 Case: iso-C₅H₁₂/RCM/BUGLER/F030_20ATM_100_N2

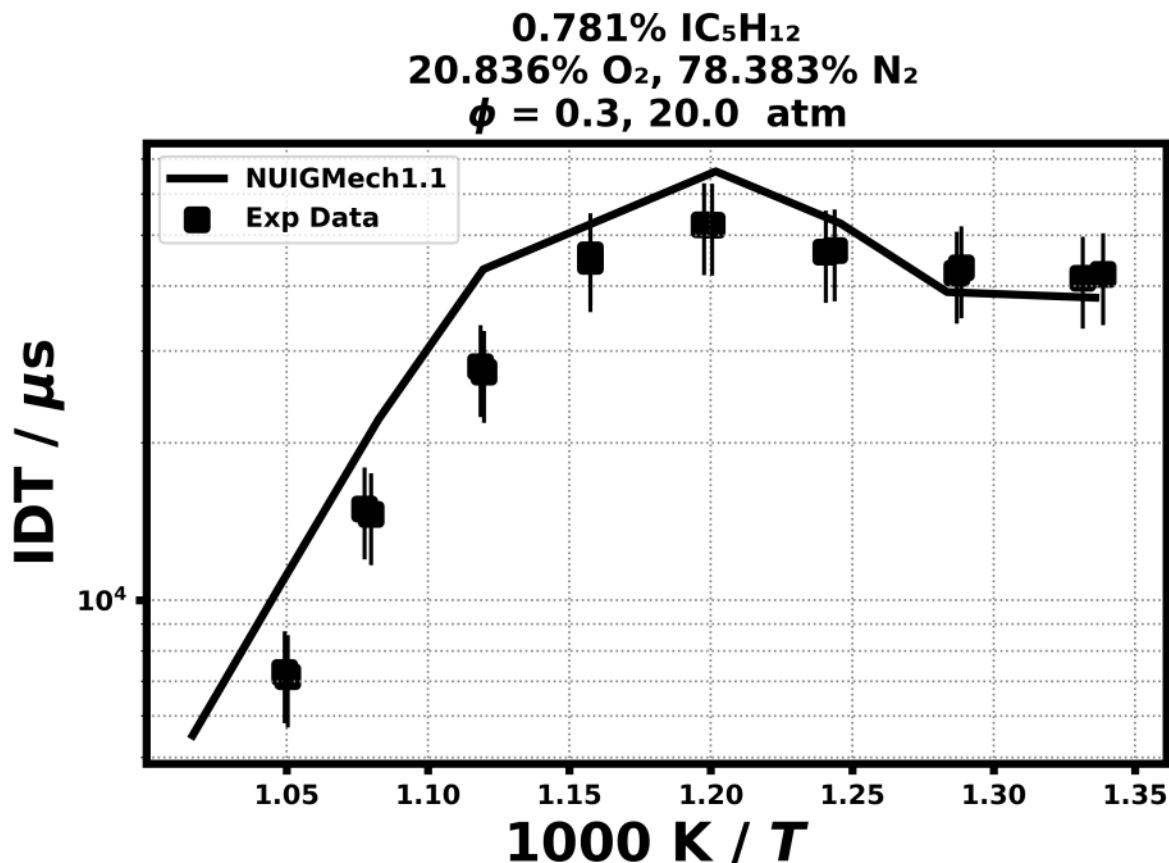


Figure 308: Dataset: F030_20ATM_100_N2

2.2.3 Case: iso-C₅H₁₂/RCM/BUGLER/F050_10ATM_100_N2

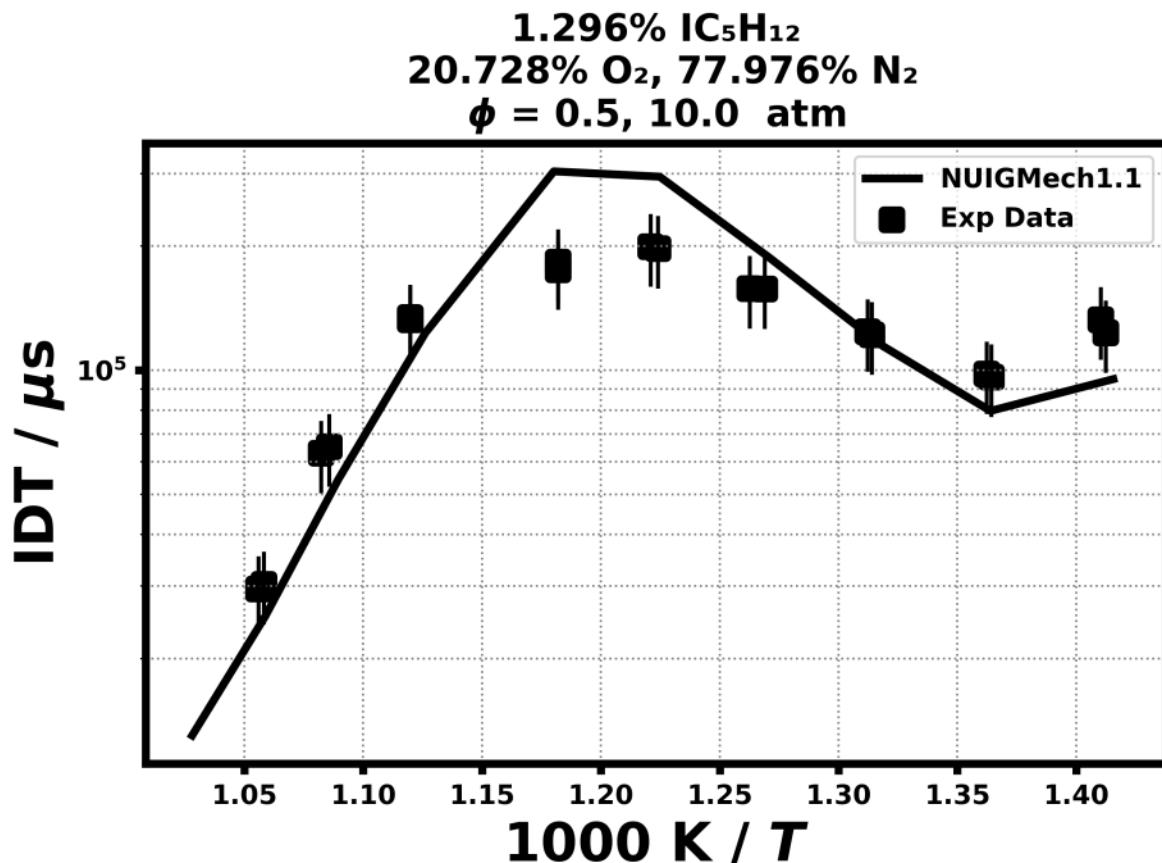


Figure 309: Dataset: F050_10ATM_100_N2

2.2.4 Case: iso-C₅H₁₂/RCM/BUGLER/F050_20ATM_100_N2

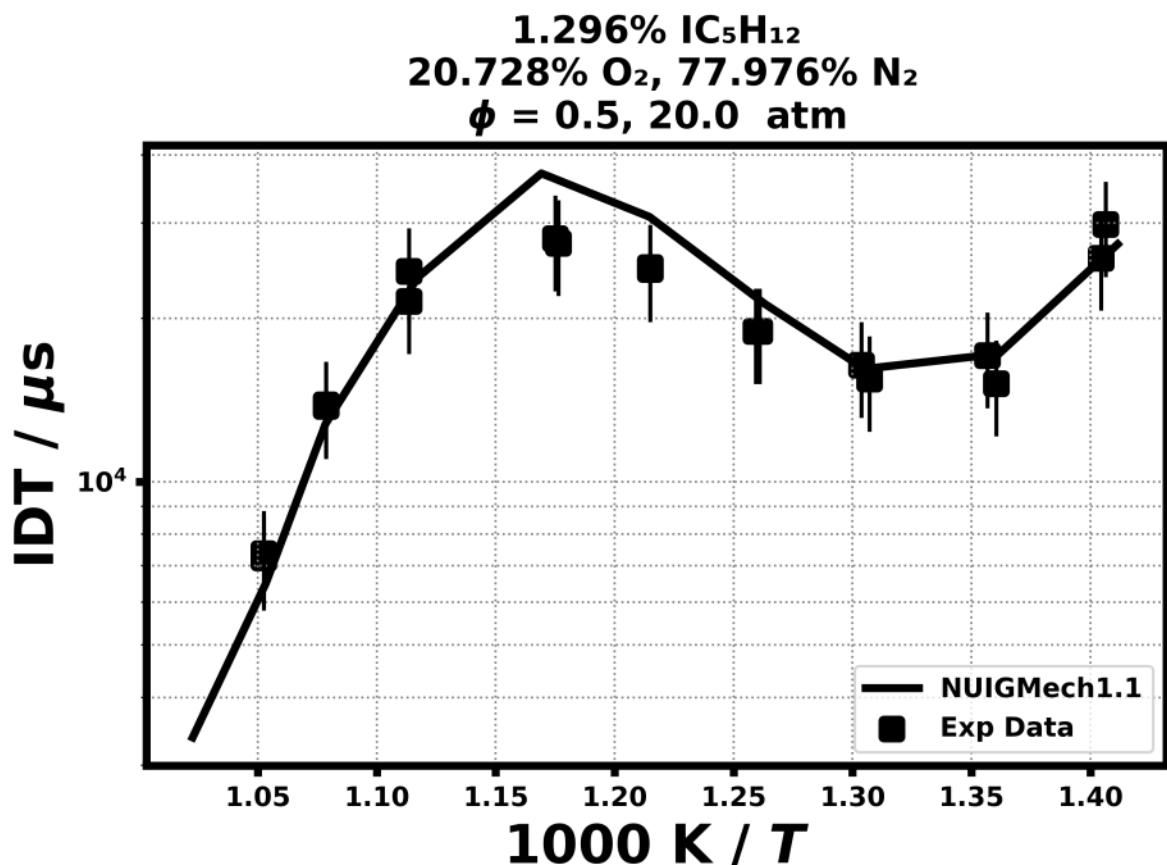


Figure 310: Dataset: F050_20ATM_100_N2

Validation for neo-C₅H₁₂

Shock tube ignition delay time

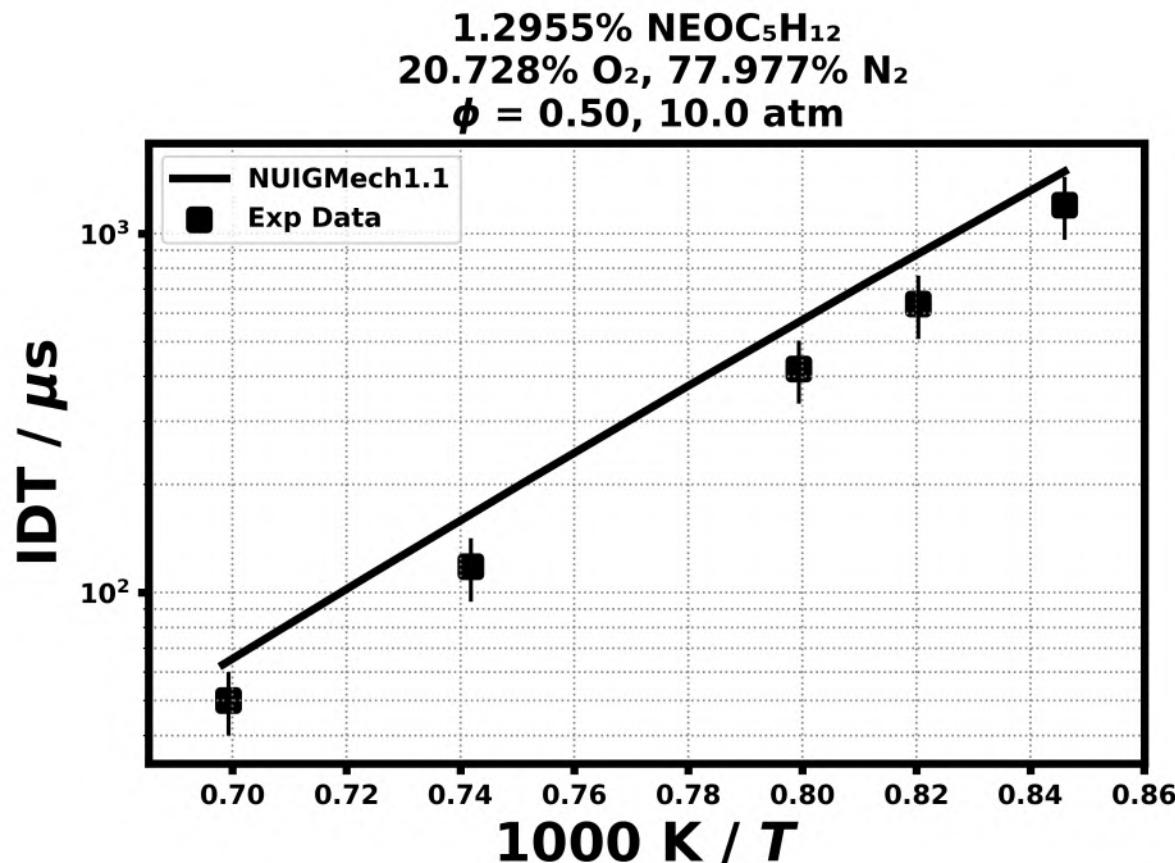


Figure 319: Dataset: 10_ATM_1.3_NEOC5H12_PHI_0.5

3.1.2 Case: neo-C5H12/ST/BUGLER/10_ATM_2.6_NEOC5H12_PHI_1.0

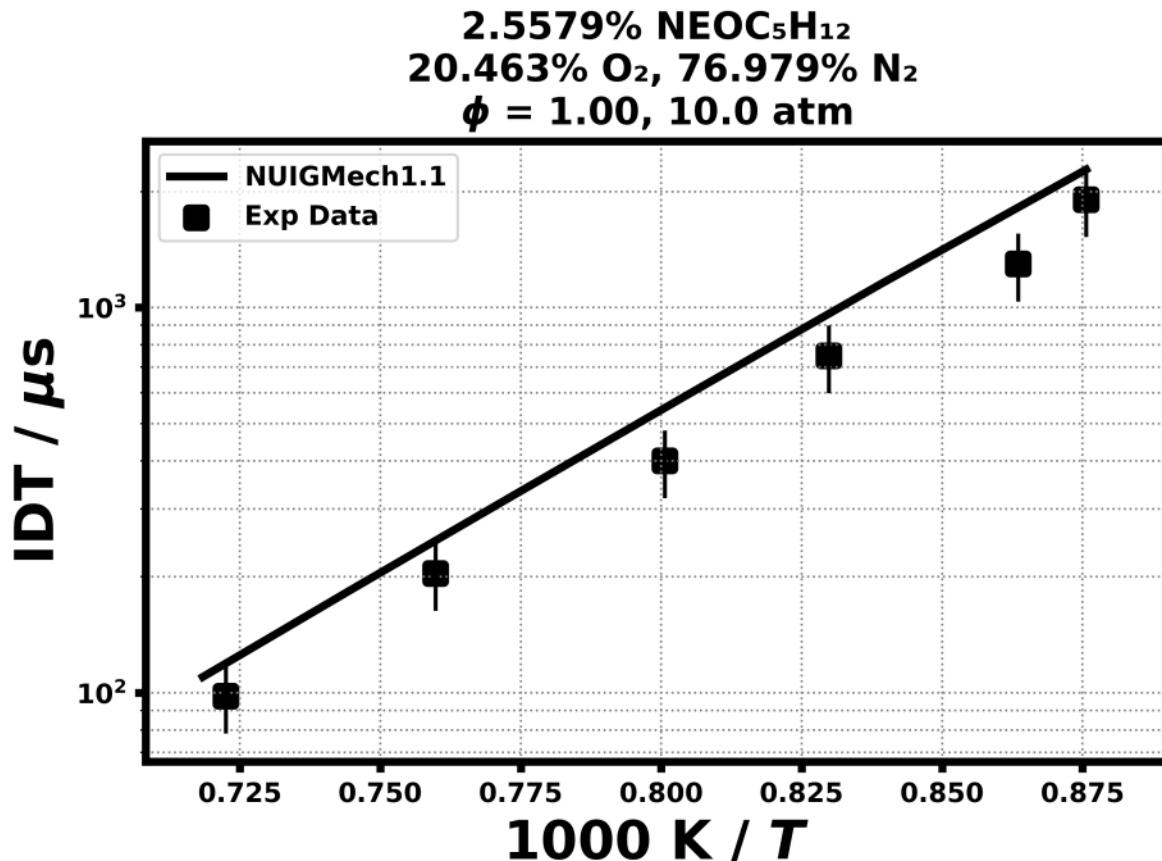


Figure 320: Dataset: 10_ATM_2.6_NEOC5H12_PHI_1.0

3.1.3 Case: neo-C5H12/ST/BUGLER/10_ATM_5.0_NEOC5H12_PHI_2.0

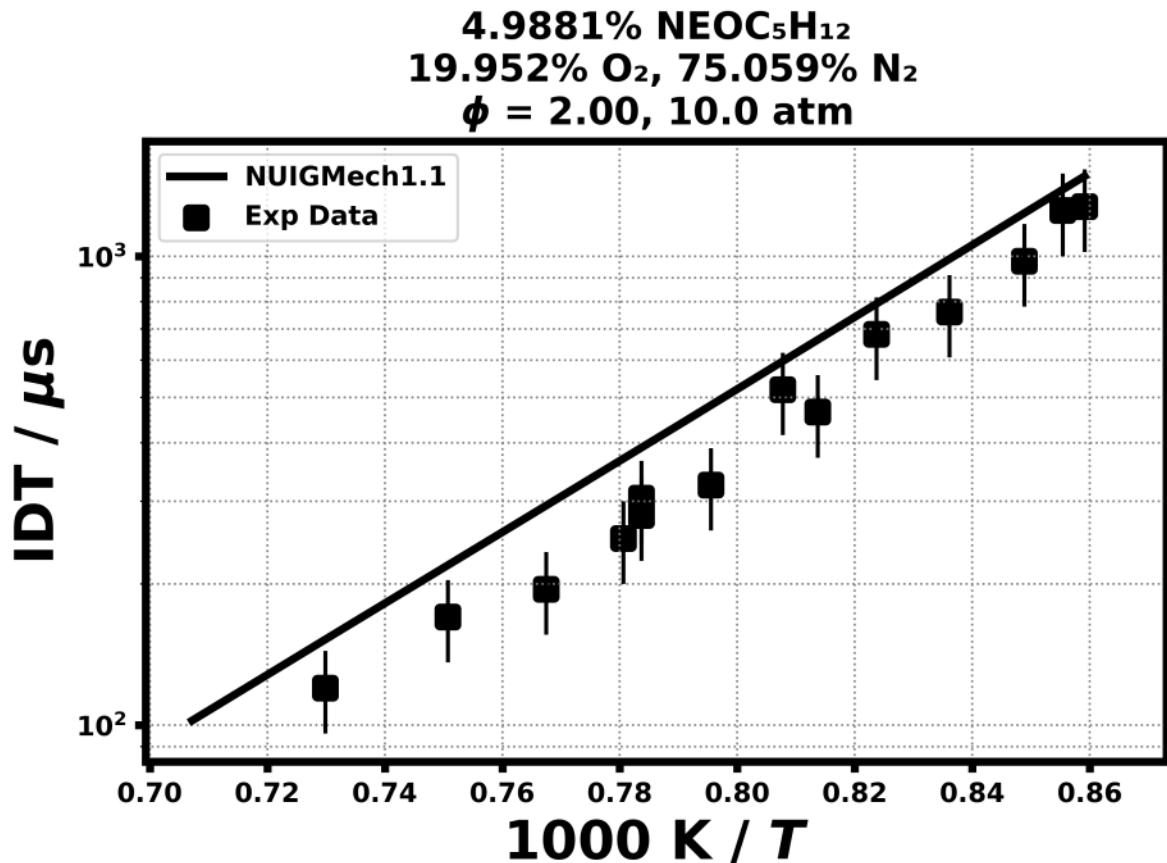


Figure 321: Dataset: 10_ATM_5.0_NEOC5H12_PHI_2.0

3.1.4 Case: neo-C5H12/ST/BUGLER/20_ATM_1.3_NEOC5H12_PHI_0.5

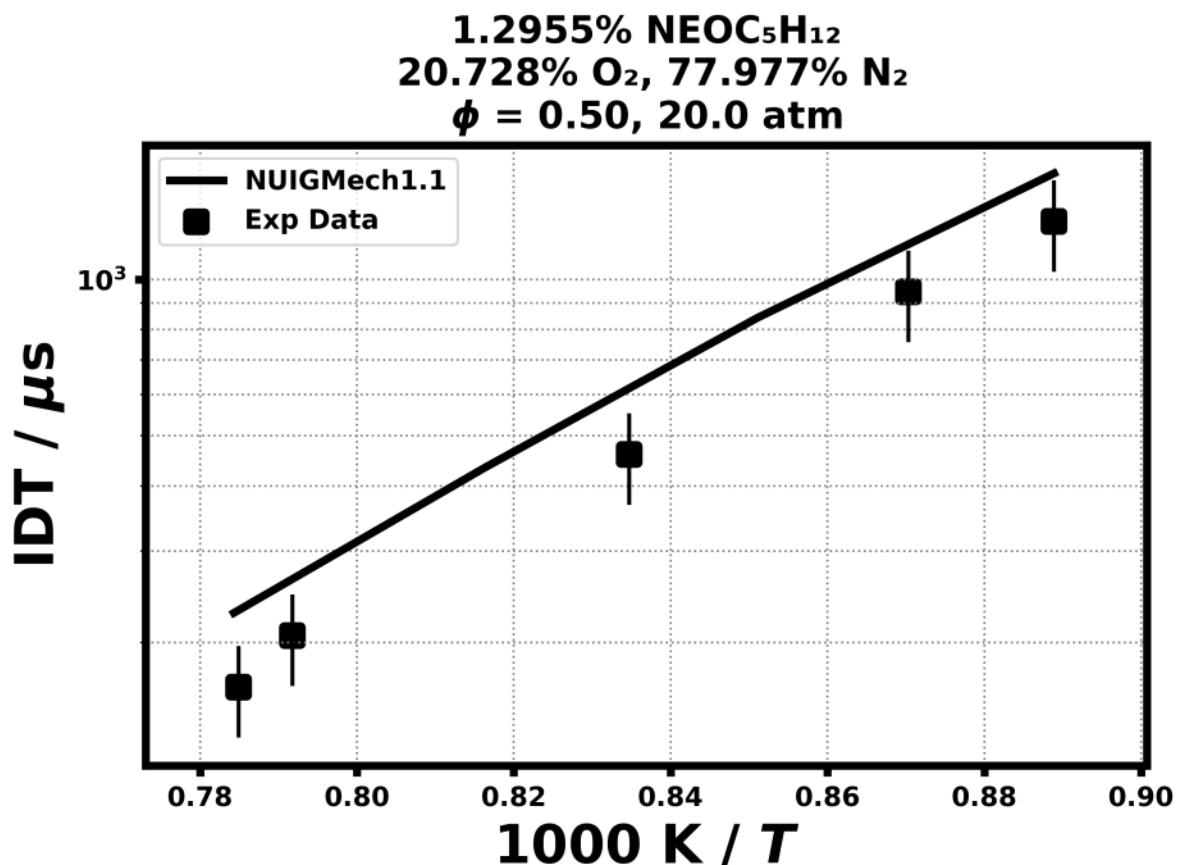


Figure 322: Dataset: 20_ATM_1.3_NEOC5H12_PHI_0.5

3.1.5 Case: neo-C5H12/ST/BUGLER/20_ATM_2.6_NEOC5H12_PHI_1.0

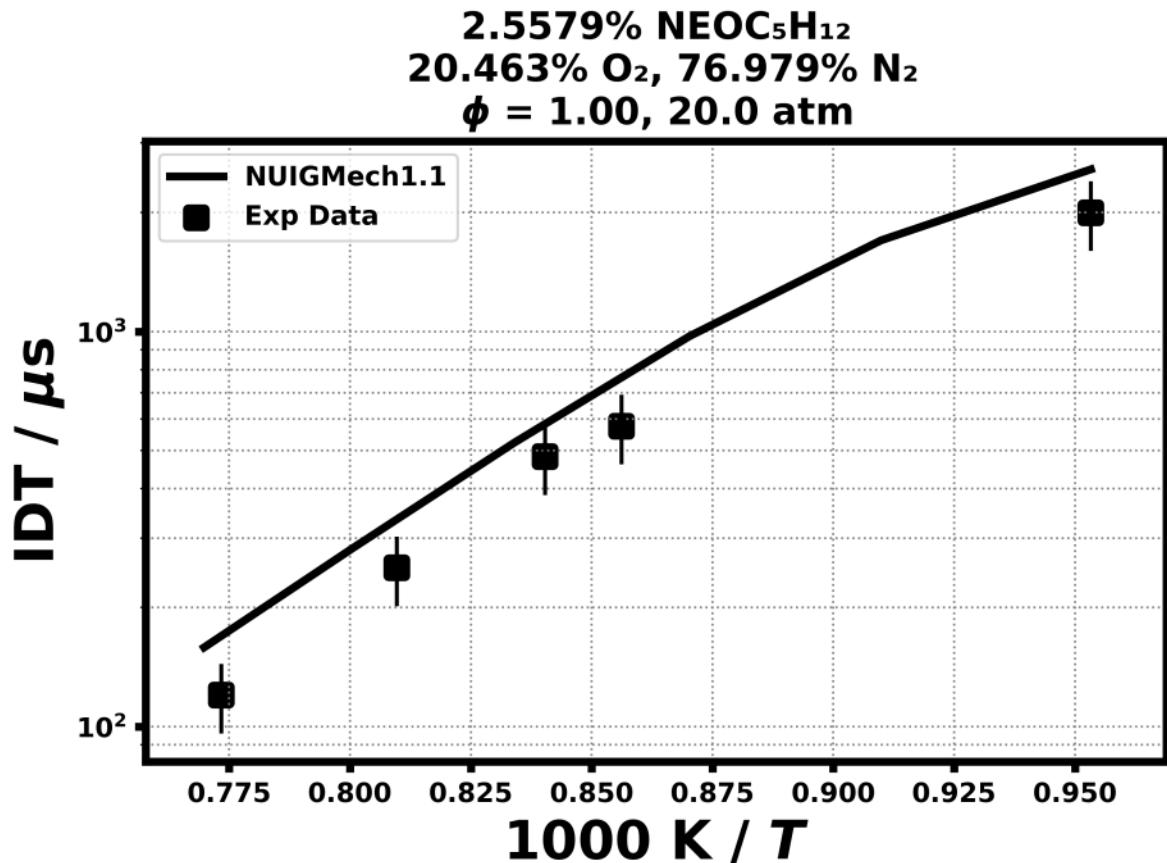


Figure 323: Dataset: 20_ATM_2.6_NEOC5H12_PHI_1.0

3.1.6 Case: neo-C5H12/ST/BUGLER/20_ATM_5.0_NEOC5H12_PHI_2.0

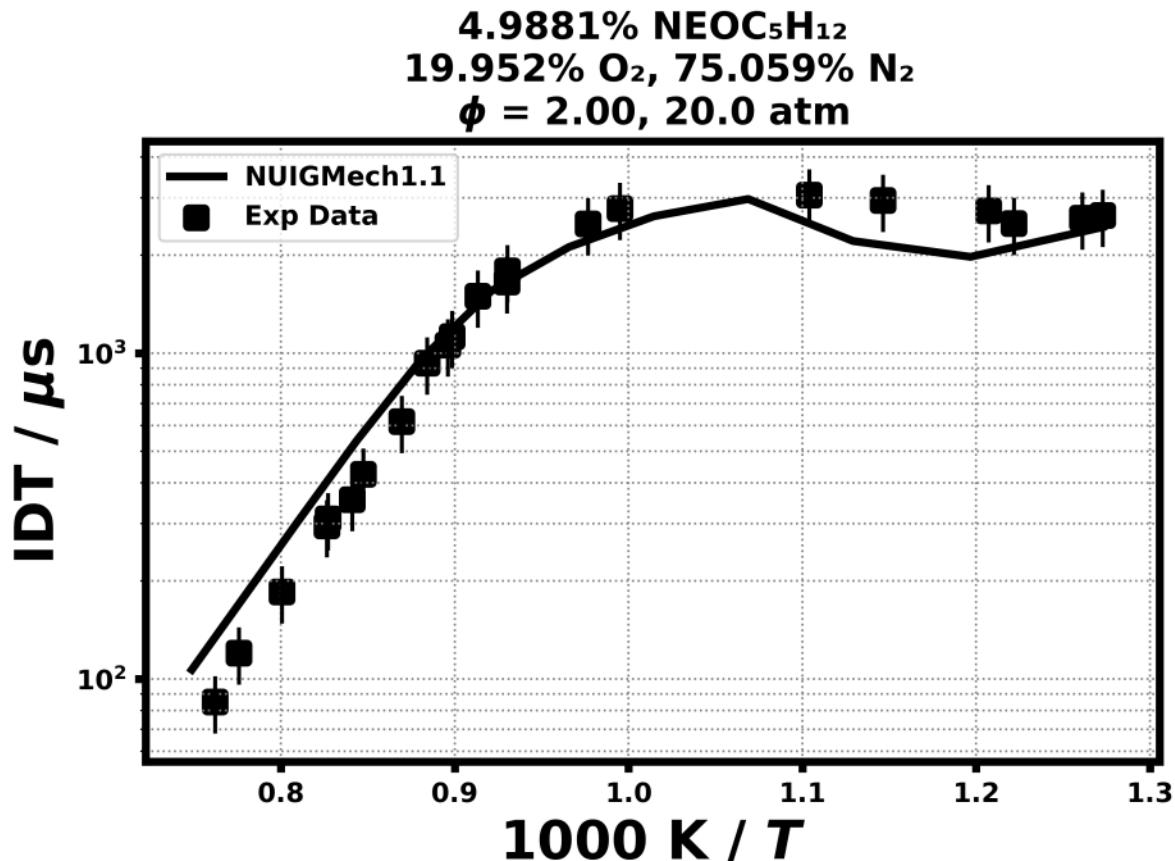


Figure 324: Dataset: 20_ATM_5.0_NEOC5H12_PHI_2.0

RCM Ignition delay time

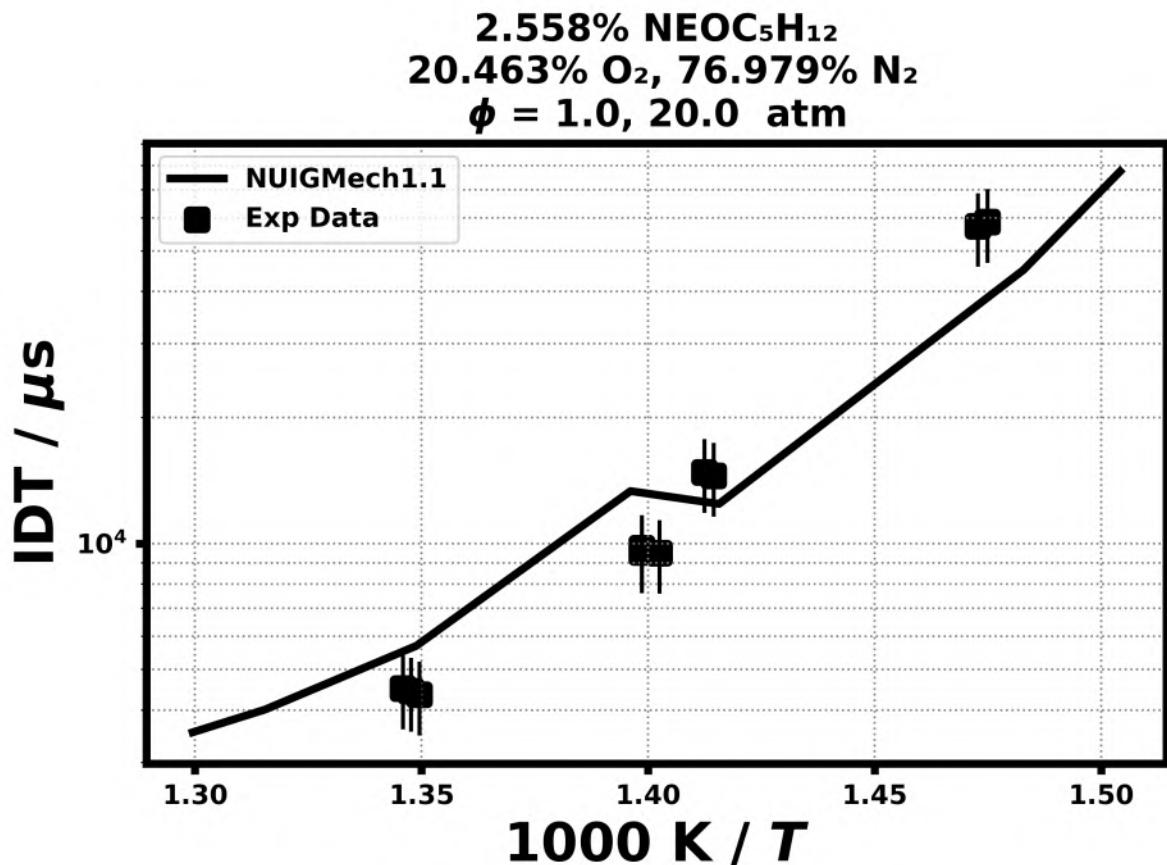


Figure 329: Dataset: F100_20ATM_100_N2

3.2.8 Case: neo-C5H12/RCM/BUGLER/F200_20ATM_100_N2

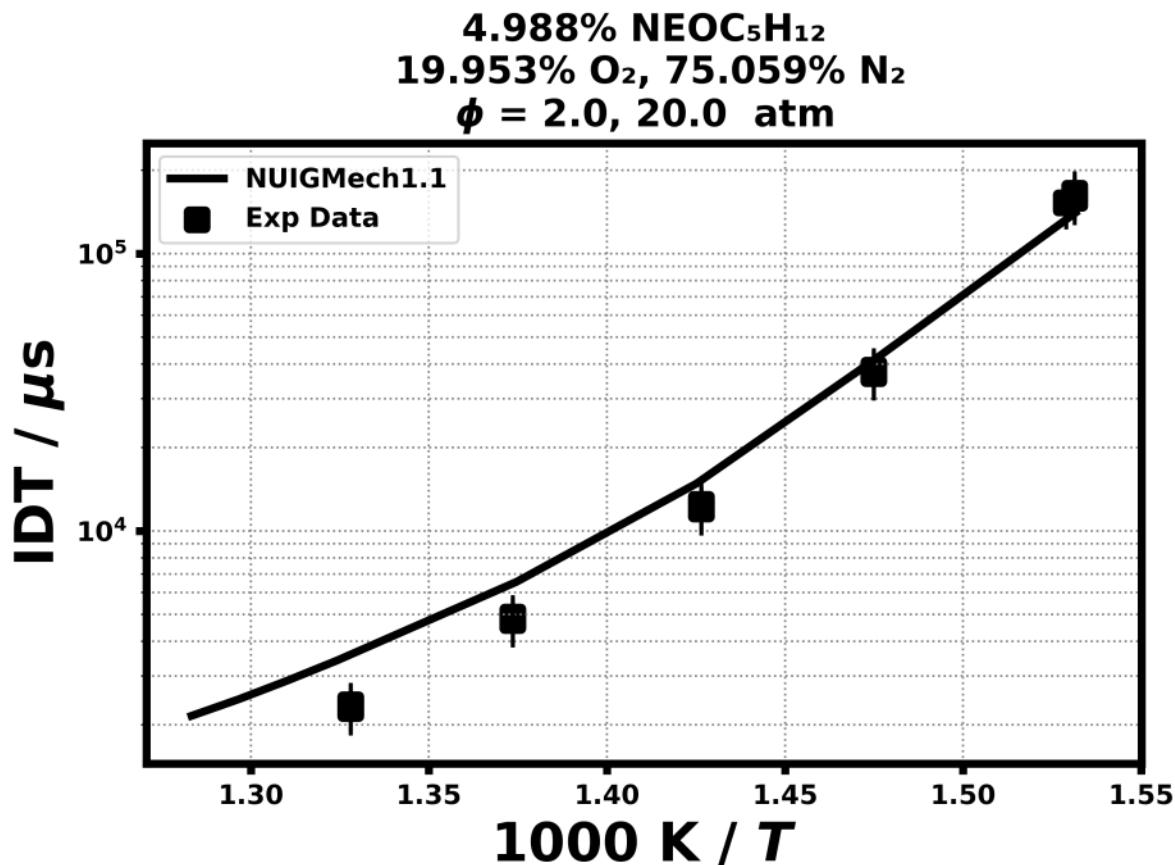
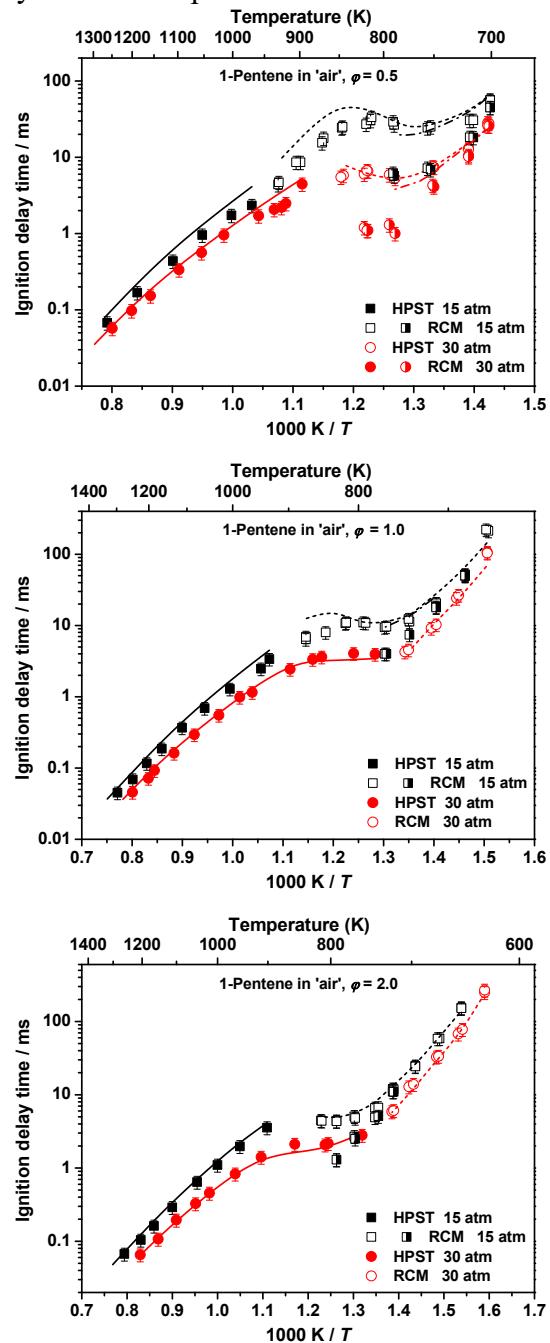


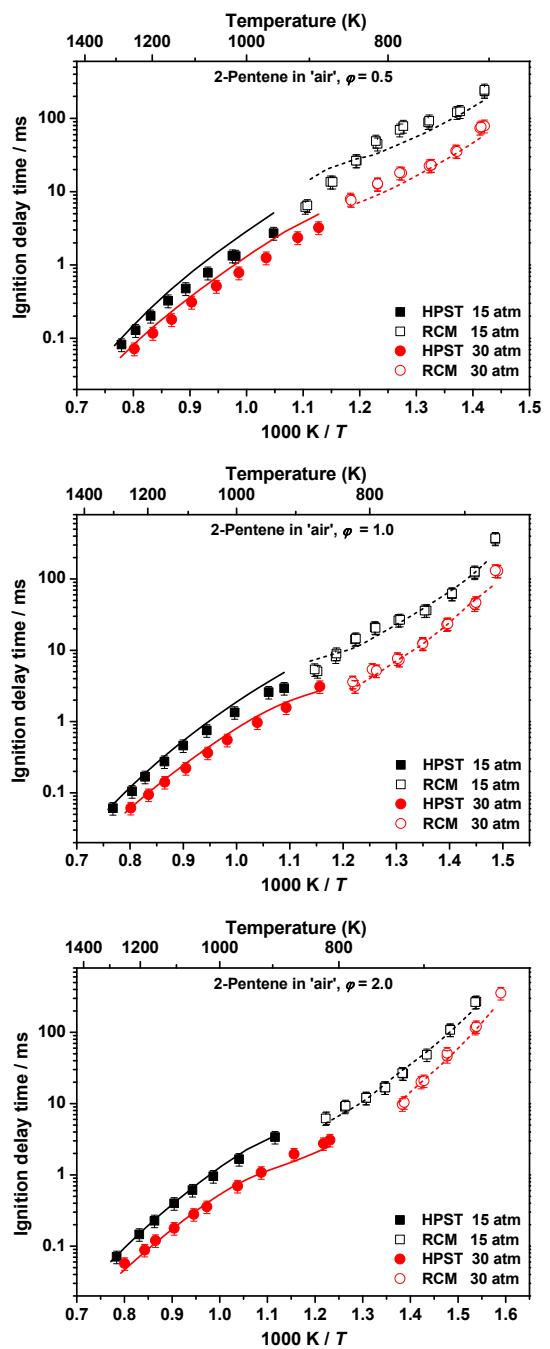
Figure 332: Dataset: F200_20ATM_100_N2

24. Validation for C₅H₁₀-1/C₅H₁₀-2

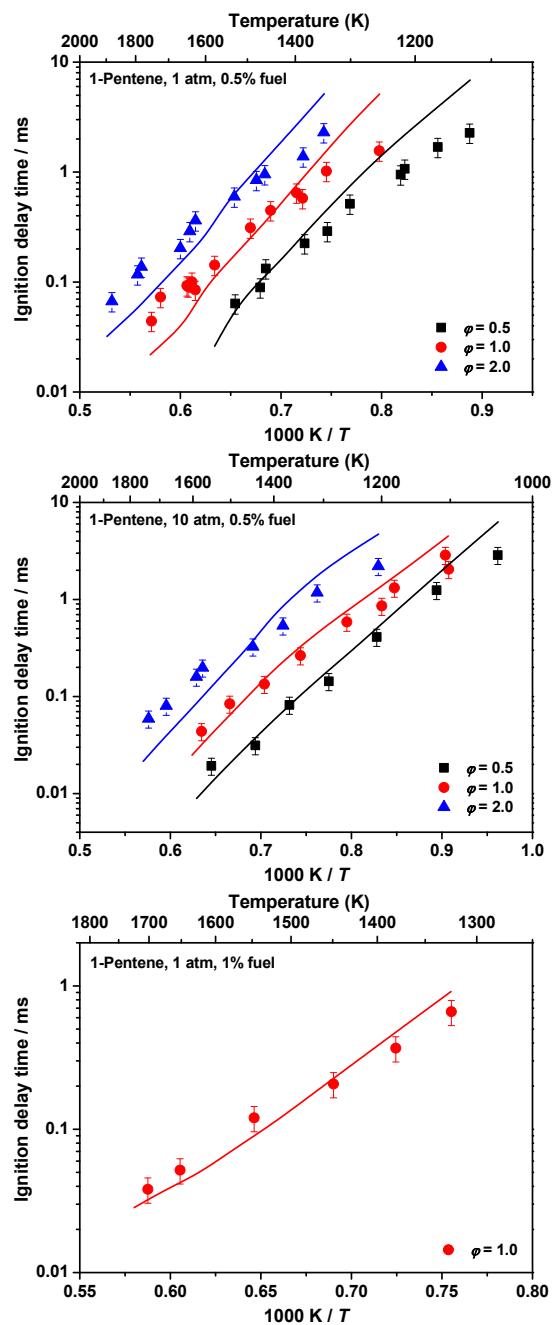
1. IDT data

S. Dong, K. Zhang, E.M. Ninnemann, A. Najjar, G. Kukkadapu, J. Baker, F. Arafin, Z. Wang, W.J. Pitz, S.S. Vasu, S.M. Sarathy, P.K. Senecal, H.J. Curran A comprehensive experimental and kinetic modeling study of 1- and 2-pentene Combustion and Flame 223 (2021) 166–180.

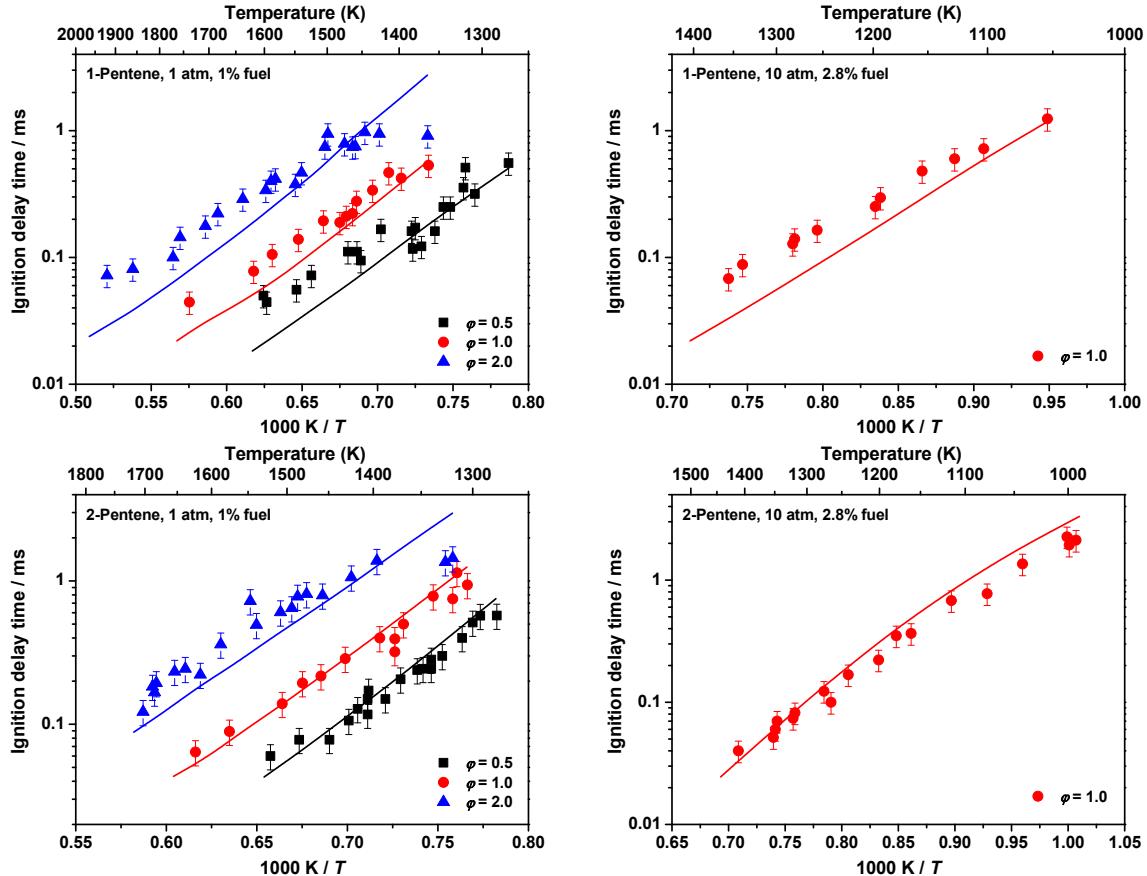




Cheng Y, Hu E, Deng F, Yang F, Zhang Y, Tang C, et al. Experimental and kinetic comparative study on ignition characteristics of 1-pentene and n-pentane. Fuel 2016;172:263–72.

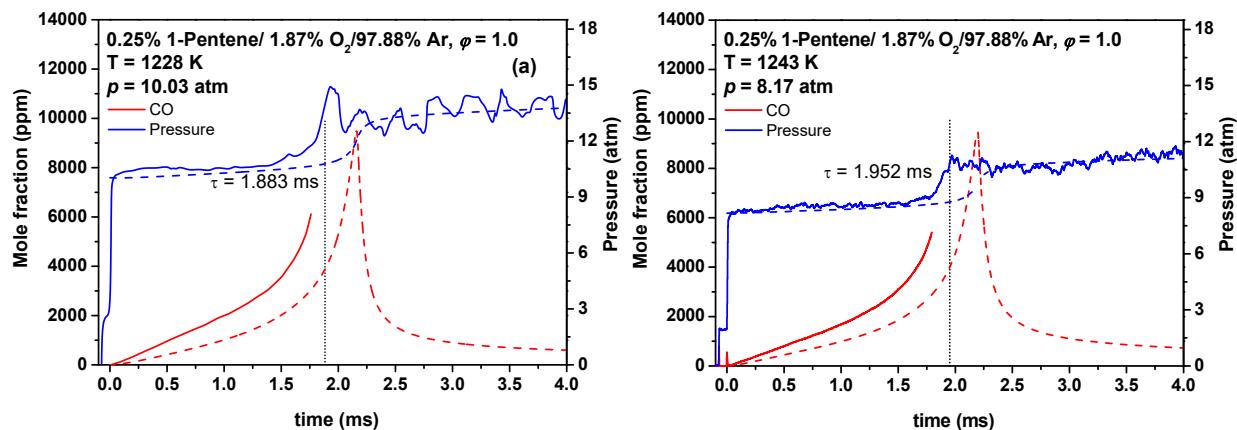


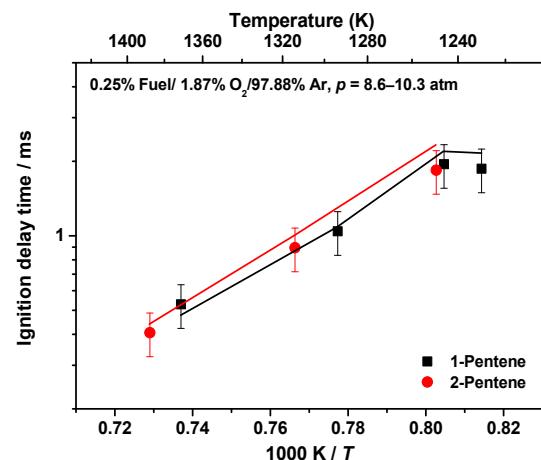
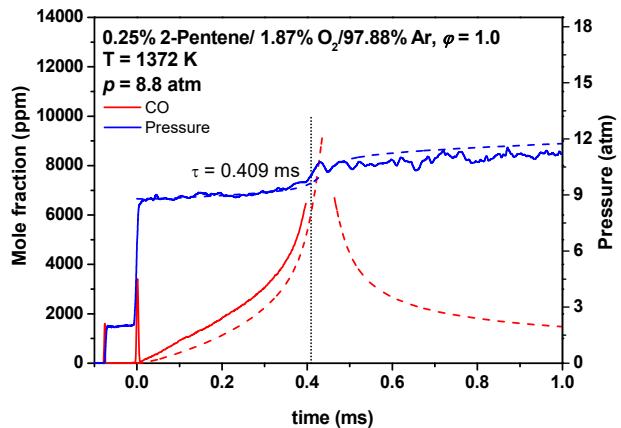
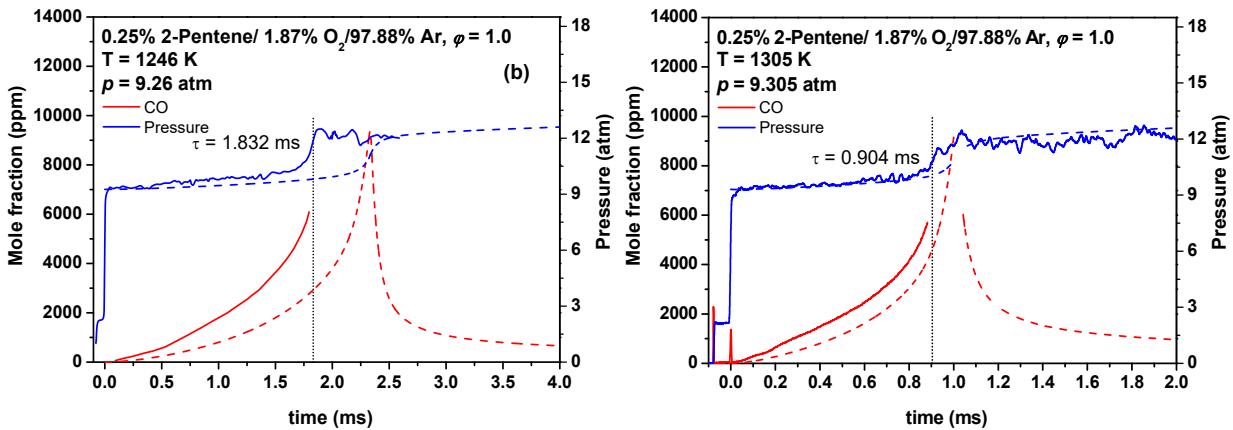
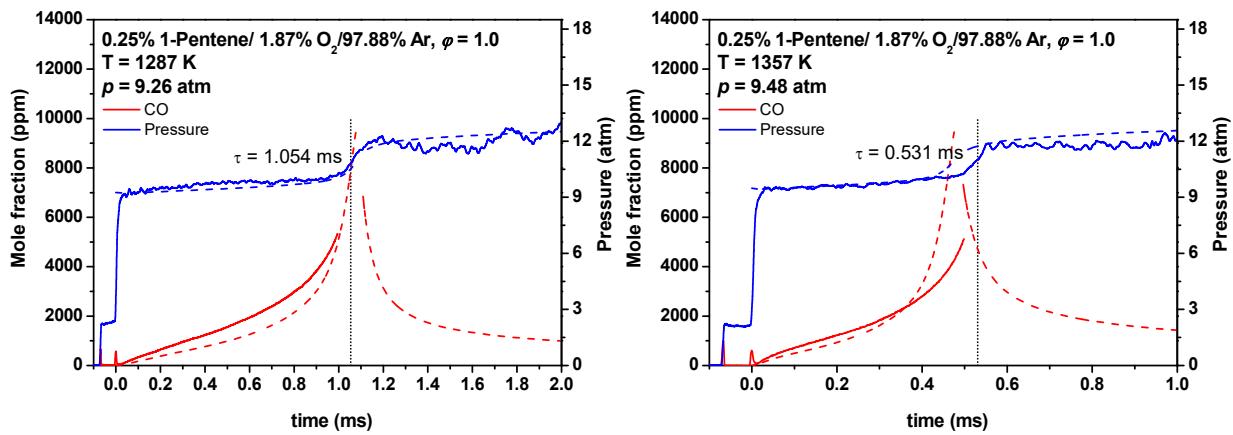
Mehl M, Pitz WJ, Westbrook CK, Yasunaga K, Conroy C, Curran HJ. Autoignition behavior of unsaturated hydrocarbons in the low and high temperature regions. Proc Combust Inst 2011;33:201–8.



2. Shock-tube CO time-histories

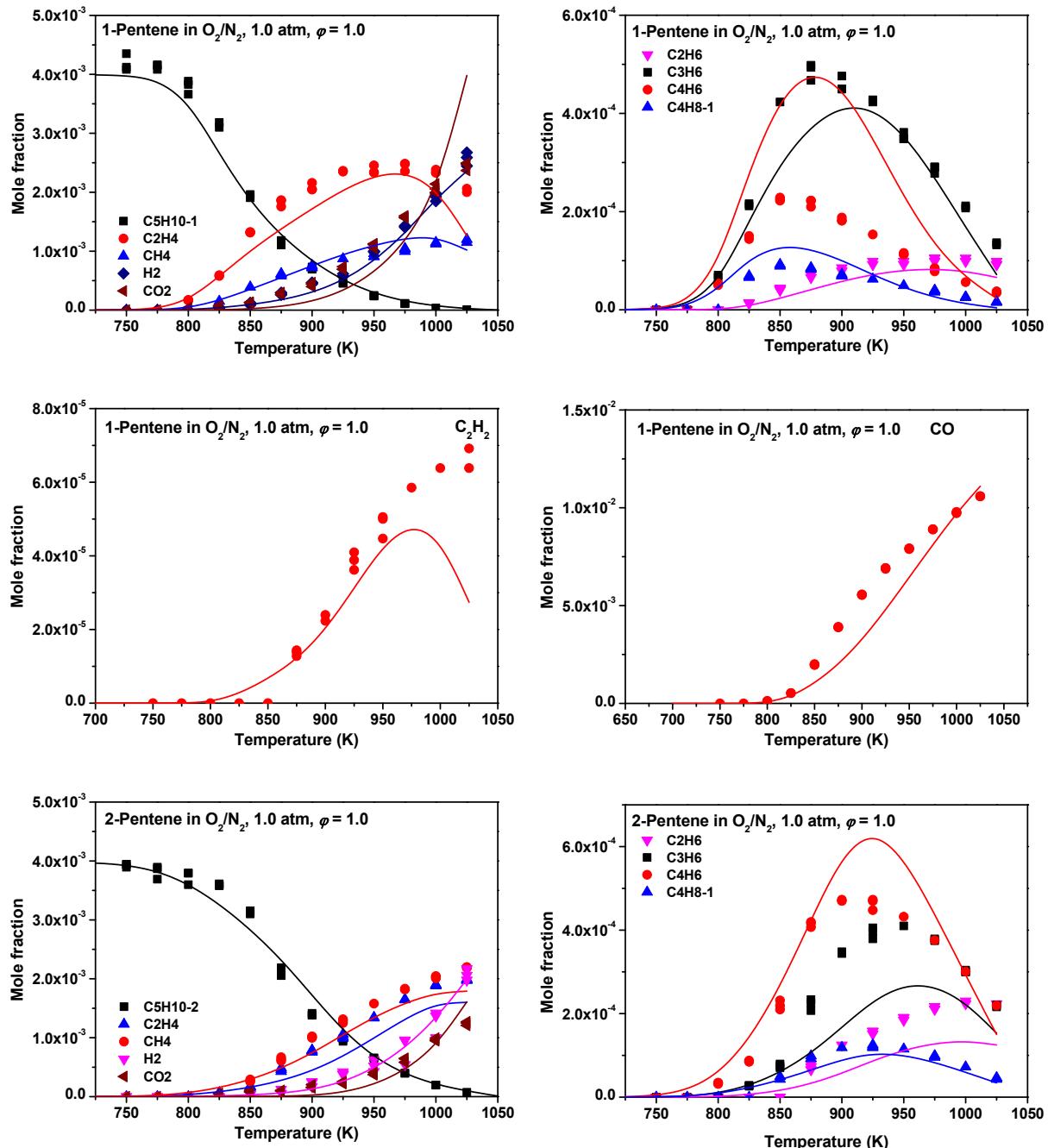
S. Dong, K. Zhang, E.M. Ninnemann, A. Najjar, G. Kukkadapu, J. Baker, F. Arafat, Z. Wang, W.J. Pitz, S.S. Vasu, S.M. Sarathy, P.K. Senecal, H.J. Curran. A comprehensive experimental and kinetic modeling study of 1- and 2-pentene. Combustion and Flame 223 (2021) 166–180.

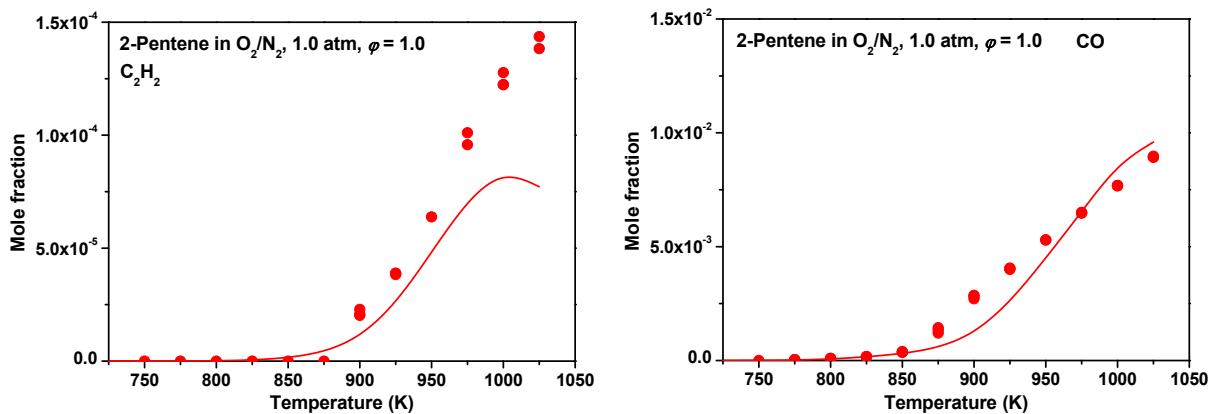




3. JSR data

S. Dong, K. Zhang, E.M. Ninnemann, A. Najjar, G. Kukkadapu, J. Baker, F. Arafin, Z. Wang, W.J. Pitz, S.S. Vasu, S.M. Sarathy, P.K. Senecal, H.J. Curran A comprehensive experimental and kinetic modeling study of 1- and 2-pentene Combustion and Flame 223 (2021) 166–180.





4. LBV data

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