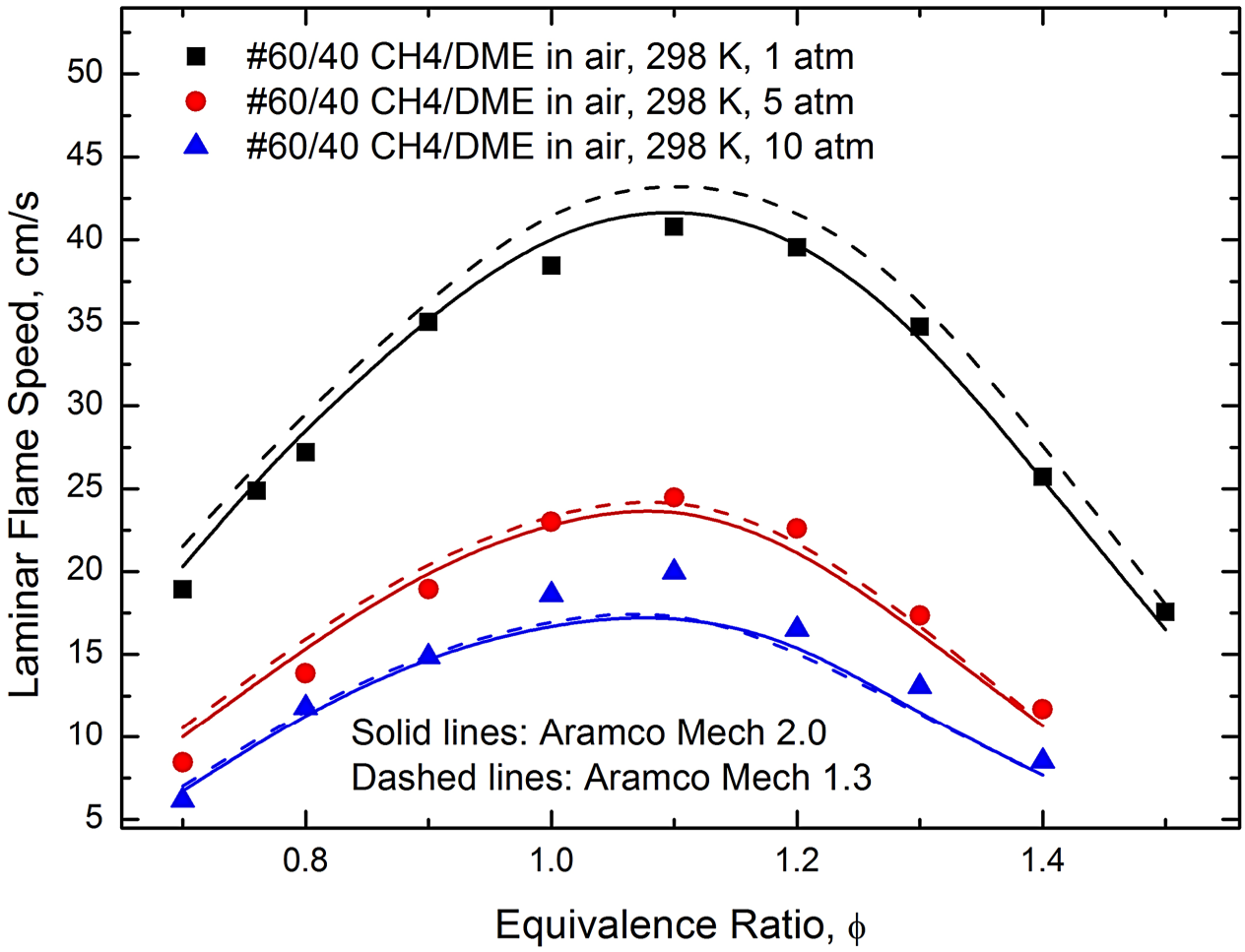
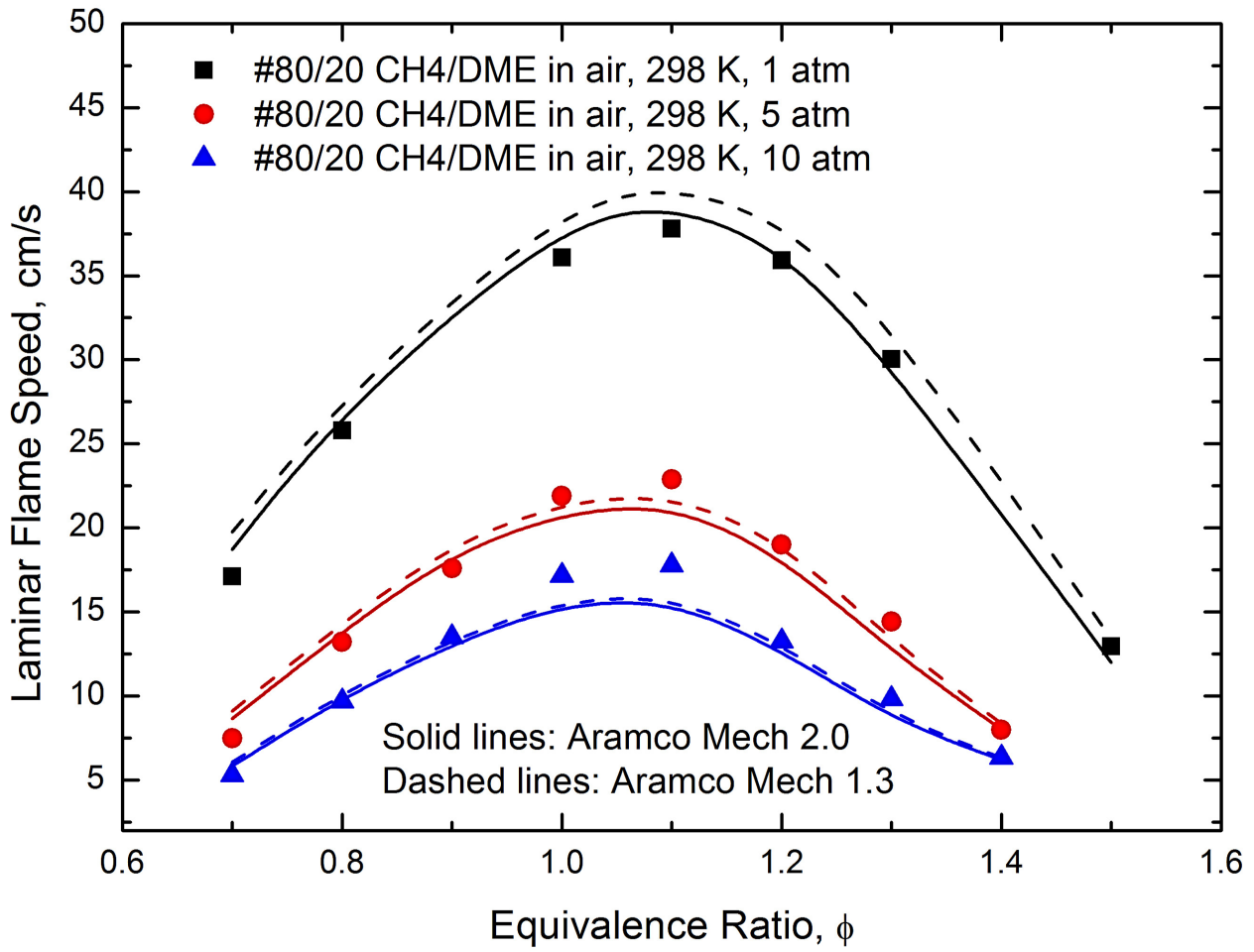

#60/40 CH4/DME in air, 298 K, 1 atm
#60/40 CH4/DME in air, 298 K, 5 atm
#60/40 CH4/DME in air, 298 K, 10 atm
Solid lines: Aramco Mech 2.0
Dashed lines: Aramco Mech 1.3
Laminar Flame Speed, cm/s
Equivalence Ratio, ϕ
5
10
15
20
25
30
35
40
45
50
0.8
1.0
1.2
1.4


#80/20 CH4/DME in air, 298 K, 1 atm
#80/20 CH4/DME in air, 298 K, 5 atm
#80/20 CH4/DME in air, 298 K, 10 atm
Solid lines: Aramco Mech 2.0
Dashed lines: Aramco Mech 1.3
Laminar Flame Speed, cm/s
Equivalence Ratio, ϕ
5
10
15
20
25
30
35
40
45
50
0.6
0.8
1.0
1.2
1.4
1.6