

i-Butanol/ O_2/N_2 , $\phi=1.0$

850 K

800 K

750 K

700 K

$\text{O}_2 : \text{N}_2 = 1 : 3.76$

Ignition Delay, ms

100

10

□ 15 bar

○ 30 bar

-- Experiments

--- MIT Mechanism

— Sarathy et al. Mechanism

1.15

1.2

1.25

1.3

1.35

$1000/T_c$, 1/K

