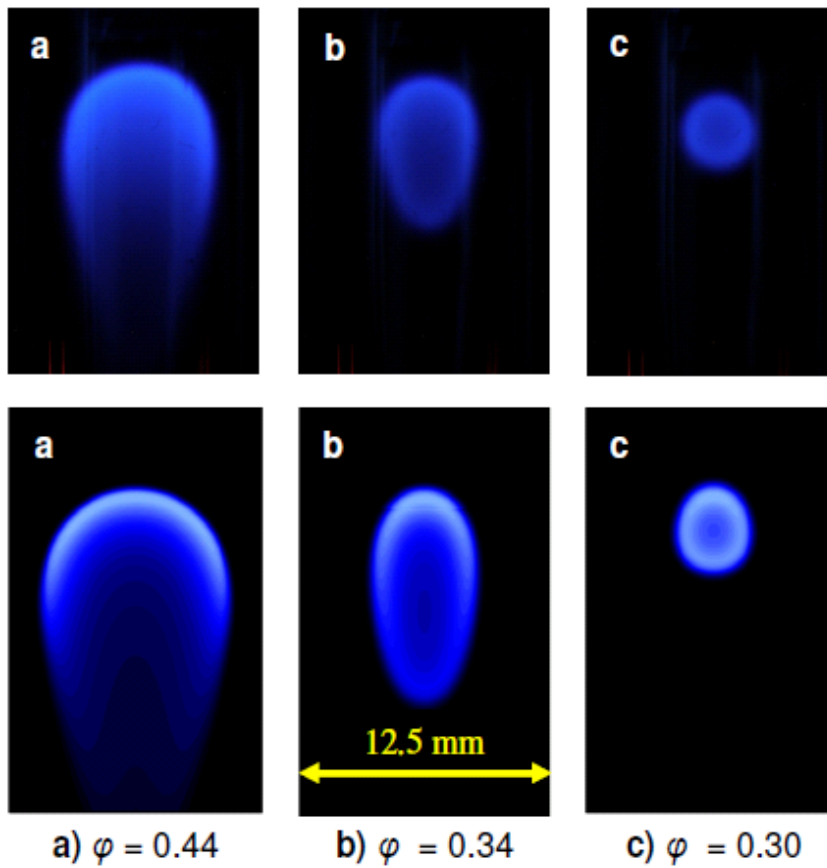




Steady hythane-air flames in a 12 mm ID tube. **Upper row:** direct photographs.
Bottom row: Simulated intensity-scaled OH radical molar fraction.
a): Open front flame with stretch-induced preferential diffusion at the leading edge.
b): Transitional regime. **c):** Normal gravity flame ball regime.