Supplementary Material S1. Droplet diameter distributions

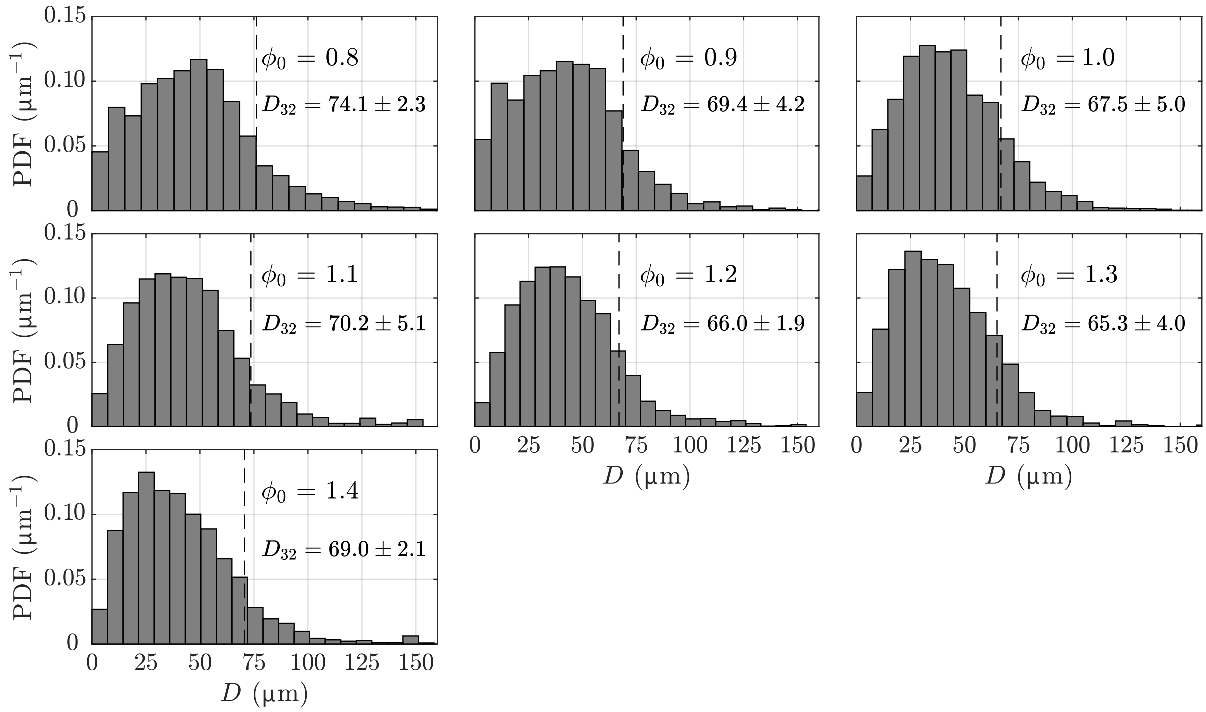

Fig. S1.1. Droplet diameter (D) probability distributions (PDF) for non-reacting Mode 2 mixtures (nominal equivalence ratio, $\phi_0 = 0.8$–1.4; strain rate, $K = 400$ s^{-1}) at a position downstream of the top burner nozzle exit ($z = 6$ mm). D_{32} denotes the Sauter mean diameter (dashed line).