Run BR	Run RS	Run DS (Run DScoll)
Ice–ice collisional breakup	Rime splintering	Droplet shattering (collisional droplet shattering)
$\eta_{DS} = \eta_{RS} = 0\,\%$	$\eta_{BR} = \eta_{DS} = 0\,\%$	$\eta_{BR} = \eta_{RS} = 0\,\%$
Run BRth	Run RSth	Run DSth
Thermodynamic variations for ice–ice collisional breakup	Thermodynamic variations for droplet shattering	Thermodynamic variations for rime splintering
$u_z = \{0.1, 0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4\,\mathrm{m\,s^{-1}}\}$		
$T_0 = \{256, 258, 260, 262, 264, 268, 270, 272\,\mathrm{K}\}$		$T_0 = \{272, 275, 280, 285, 288, 290, \ldots$ $293, 295, 298\,\mathrm{K}\}$
Run BRpp	Run RSpp	Run DSpp
Parameter perturbations for ice–ice collisional breakup	Parameter perturbations for rime splintering	Parameter perturbations for droplet shattering
$F_{BR} = \{0, 90, 140, 200, 280\}$	$F_{RS} = \{9, 15, 30, 45, 80\}$ $\times 10^7\,(\mathrm{kg\,rime})^{-1}$	$F_{DS} = \{25, 75\} \times 10^{-12} (2\,r_D)^{-4 \text{ or } -3}$ $(\beta, \gamma) = \{(-0.016, 500), (-0.015, 400)\}$
$T_{min} = \{246, 249, 252, \ldots 255, 258\,\mathrm{K}\}$		$p_{sh}^{(max)} = \{1, 5, 10, 20, 30\,\%\}$