Convection—Cloud Chambers: The Pi Chamber and the Aerosol Cloud Drizzle Convection Chamber (ACDC2)

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On behalf of the ACDC2 Consortium

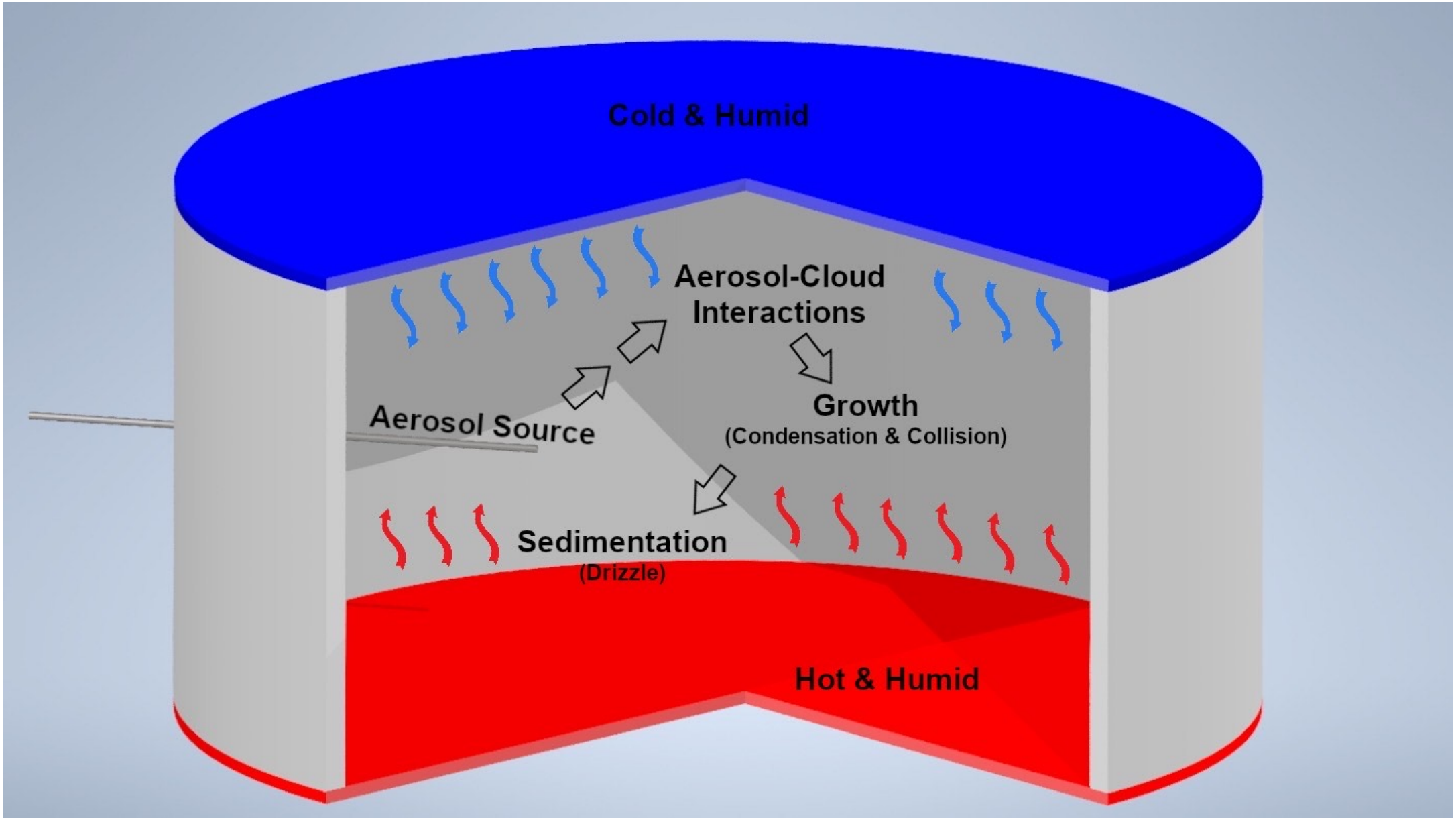
(DOE: BNL, PNNL;

NSF: Caltech, Cornell Univ., MTU, Penn State Univ., Stevens Inst. Tech., Stony Brook Univ., Univ. Illinois Chicago, Univ. Utah;

Industry: Russells Technical Products

International: Leibniz Institute for Tropospheric Research)

Pi Convection–Cloud Chamber



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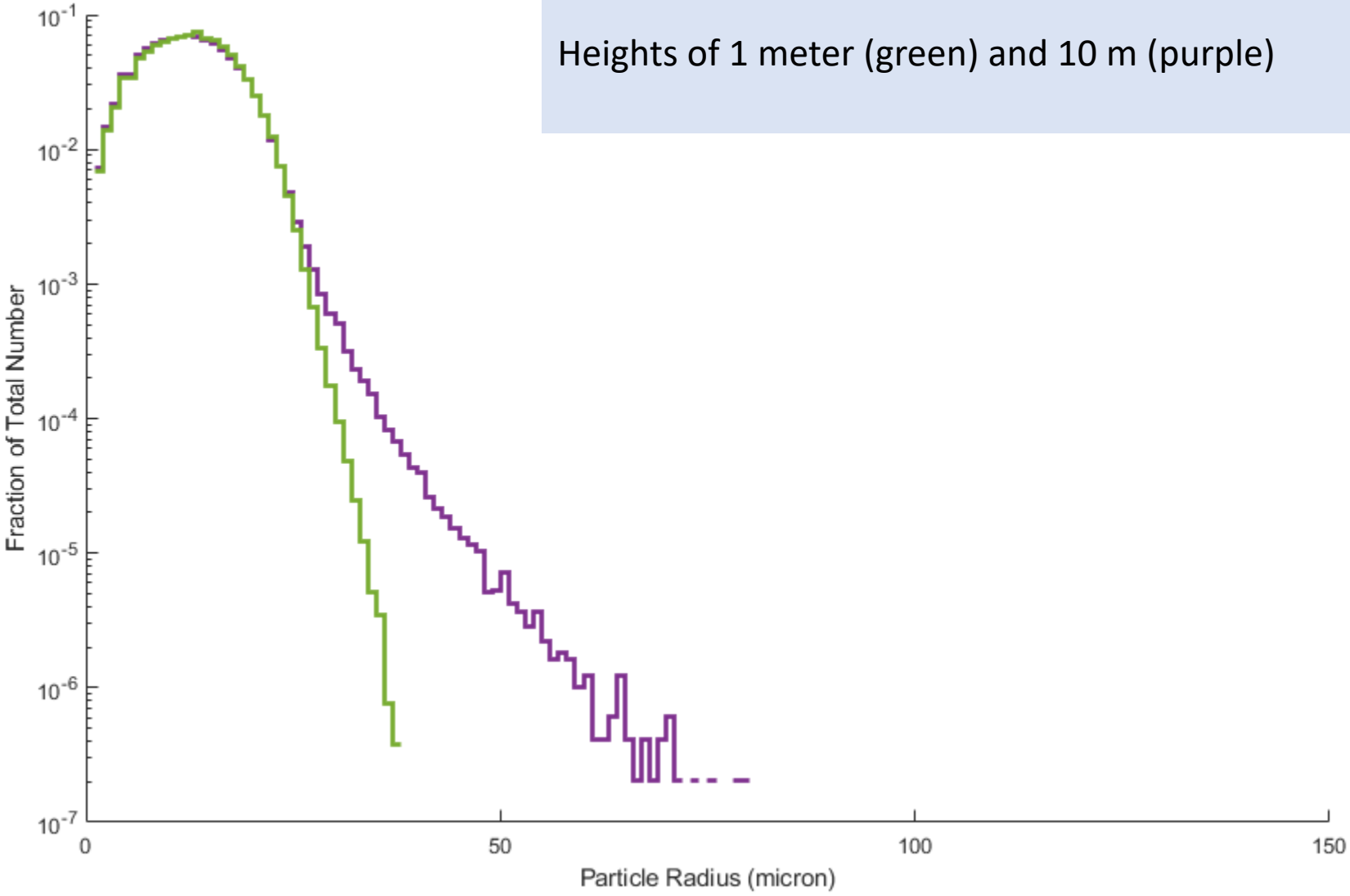
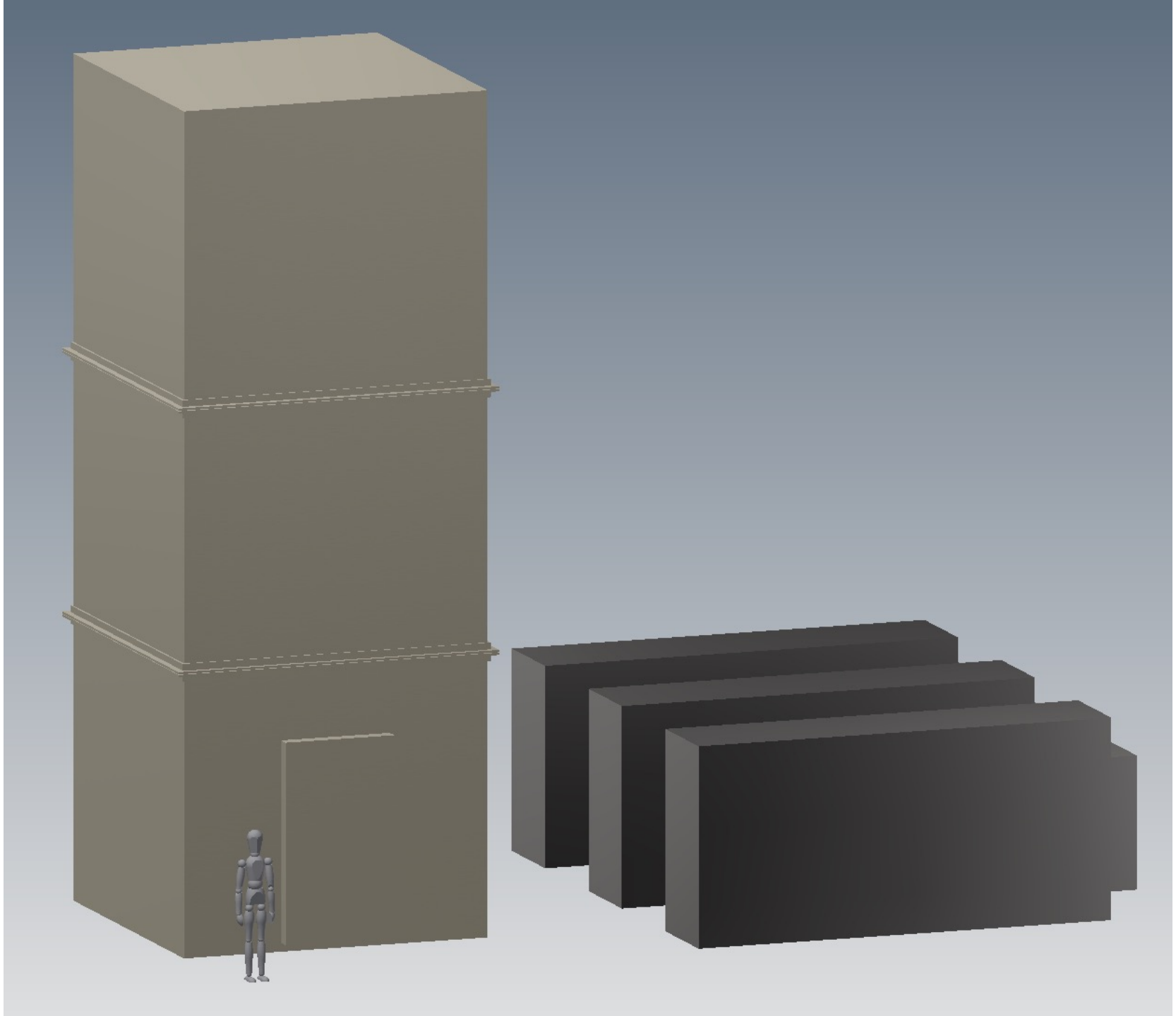
The ACDC2 facility currently under design expands to the capability of studying growth by collision—coalescence and related mixed-phase cloud processes.

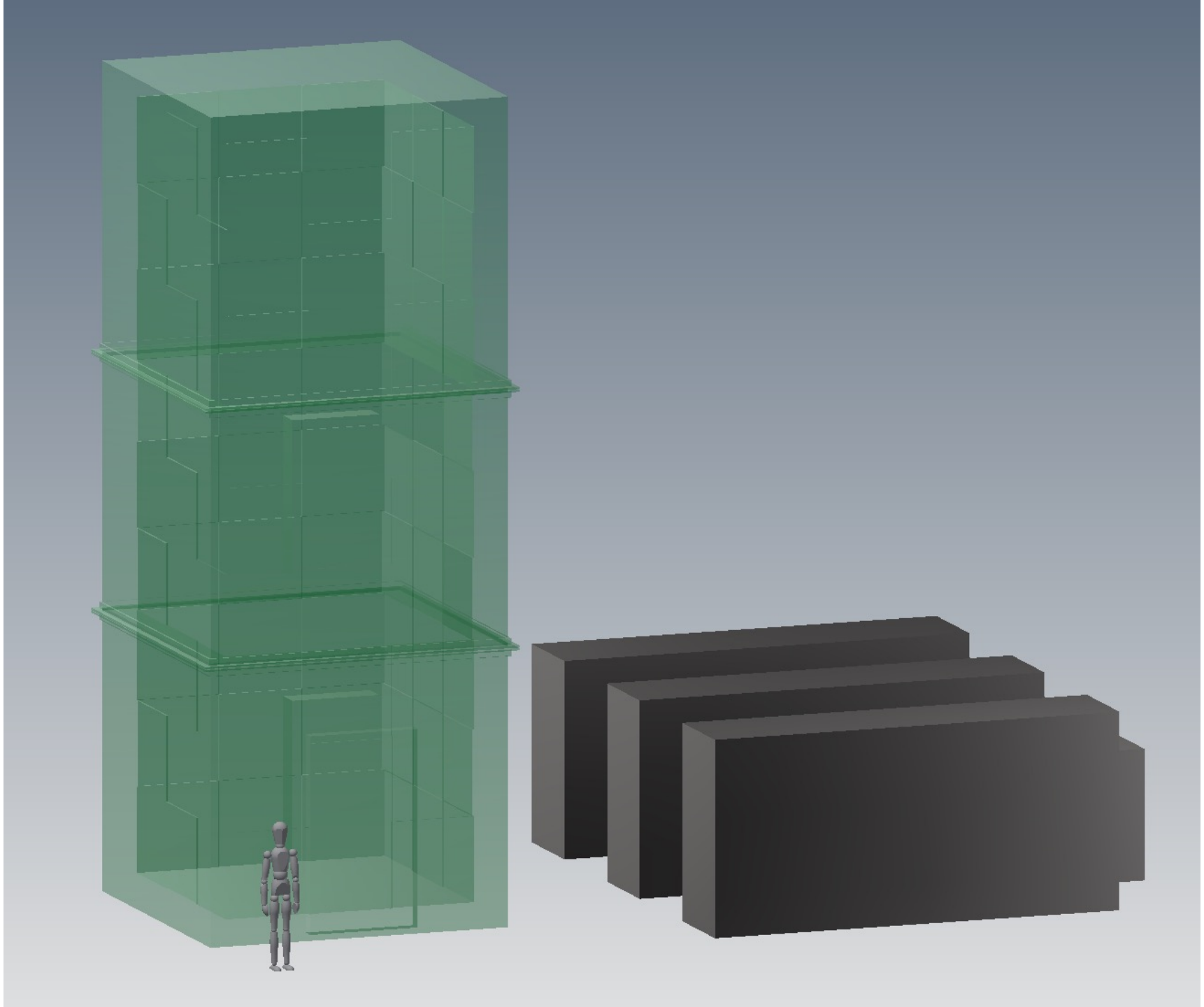
Same droplet size distribution, changing height

Heights of 1 meter (green) and 10 m (purple)



Work in collaboration with J. Kuntzleman (MTU) and S. Krueger (Univ. Utah)





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