

Dienstag, 27.02.2024, 14.00 Uhr
Leipziger Meteorologisches Kolloquium

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“Laboratory studies on the fragmentation of ice particles by collision”

Secondary ice production (SIP) is one of the most important mechanisms for ice formation in the atmosphere. While the number of airborne and remote sensing observations of SIP is increasing, the microphysical understanding of the process is still lacking. In this talk I will first introduce different SIP mechanisms and then present our experiments on one of them, the fragmentation of ice particles by collision. I will show and discuss the results of graupel-graupel and graupel-snowflake collisions and possible parameterisations for the number concentration and size distribution of the ice fragments produced.

Link:

<https://eu02web.zoom-x.de/j/63814258513?pwd=dkZDZTFMUeF4QldtMWtpYkVWUIYzQT09>

Meeting-ID: 638 1425 8513

Kenncode: 332427

Ort: TROPOS, Seminarraum, Geb. 23.1