

PHYSIKALISCHES KOLLOQUIUM

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IM GROßEN HÖRSAAL



ICE FORMATION AND GROWTH IN THE ATMOSPHERE: FROM FUNDAMENTAL INSIGHT TO ANTHROPOGENIC CLOUD MODIFICATION

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Ice formation plays a decisive role in the optical properties and the development of clouds, which not only remain the largest source of uncertainty in our ability to predict future climate, but also control the distribution of fresh water on Earth.

In this talk, laboratory studies on the formation of cloud ice under various atmospheric conditions are presented and the influence of the observed processes on the larger scales is discussed.