

## Seminar über Microwave Physics and Atmospheric Physics

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**Titel:** Evolution of rainfall parameters observed in Granada

Andalusia is located in the south of Spain and has a Mediterranean climate with hot, dry summers and warm, humid winters. This region is subject to Saharan dust intrusions and man-made pollution, inducing complex meteorological feature developments, especially rainfall. Andalusian Global ObseRvatory of the Atmosphere (AGORA) in Granada is a unique ACTRIS facility that includes state-of-the-art active and passive remote sensing and in-situ instruments for monitoring aerosols, clouds and precipitation. This talk examines the inter-relations between rainfall and the evolution of multiple atmospheric parameters using ground-based microwave radiometer, ceilometer, cloud radar, nephelometer, and weather station. The radiometer identified 694 available rain events over a 10-year period using a physical retrieval method, and composite analysis method was applied to develop a rainfall climatology. The objective is to identify potential properties of precipitation in the region and in that way improve precipitation forecasting.

**Zeit:** Freitag, 27. Oktober 2023, 10:15 Uhr

**Ort:** Room A97  
<https://unibe-ch.zoom.us/j/97081325603?pwd=d0ozME5xOS9pQVNxallLem81VHQyZz09>  
Meeting ID: 970 8132 5603  
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