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Seminar über Microwave Physics and Atmospheric Physics

Referent/in: Oliver Keller, IAP, University of Bern

Titel: Stratospheric dynamics with data from MERRA2

For my bachelor thesis I am working with data from MERRA2 to study the behaviour of the sudden stratospheric warming in winter 2020/2021. I would like to present you the basics of stratospheric dynamics. I will start with the basic wind motions that lead to the polar vortex. Further I will explain the existence of planetary waves and their influence on the vortex and finally I will look at the resulting properties of the sudden stratospheric warming last winter. In addition, I will briefly explain how a sudden stratospheric warming event is related to the ozone budget over the pole.

Zeit: Freitag, 4. Juni 2021, 10:15 Uhr

Ort: Zoom Link: <https://unibe-ch.zoom.us/j/97081325603>
Meeting ID: 970 8132 5603
Passcode: iapmw