

Cornelia Pabst, Leiden Observatory

Background:

- Bachelor's degree in physics
- Master's degree in theoretical physics
- now PhD student in astronomy

Research interests:

- studies of the Orion Molecular Cloud
- origin of the [CII] 158 μm fine-structure line in the ISM
- first study on L1630 (comprising Horsehead Nebula) in Orion B
- now studying the Orion Nebula (Orion A)
- observations of [CII] with upGREAT onboard SOFIA
- comparison with other gas/dust tracers
- morphology of the ISM (molecular cloud, PDR, HII region)
- kinematics/energetics of the Orion Veil
- photo-electric heating efficiency

