

Session Program

6-10 Jun 2022

**NBIA Workshop on Radiation Transfer in
Astrophysics**

Protoplanetary Disks

Tuesday 7 June

13:30

Protoplanetary Disks

Session

13:30-14:00

Radiation thermo-chemical modeling of planet forming disks

Speaker

Inga Kamp

14:00-14:20

Hydrogen-line emission from accreting planets: fluxes, line shapes, and a new correlation

Speaker

Gabriel-Dominique Marleau

14:20-14:40

Discontinuous finite element method applied to the 2D radiative transfer problem in axisymmetric circumstellar envelopes

Speaker

Jérémy Perdigon

14:40-15:30

Coffee Break

15:30-15:50

Radiative transfer and protostars and disks: an observer's perspective

Speaker

Lars Kristensen

15:50-16:10

Dissecting the kinematics of an infalling envelope with modeling of absorption and emission

Speaker

Yao-Lun Yang

16:10-16:30

Multi-fluid Radiation Hydrodynamics of Protoplanets

Speaker

Leonardo Krapp

17:05