Session Program

8 October 2024

ORIGINS CN-2 Day - Planets and other Habitats

CN-2 Day 2024

MPE, X2/209 - Old Seminar Room
Gießenbachstraße 1 85748 Garching bei München

Tuesday 8 October

09:30

CN-2 Day 2024

Session | **Location:** MPE, X2/209 - Old Seminar Room, Gießenbachstraße 1 85748 Garching bei München | **Convener:** Michael Weber

09:30–09:50 **Self-division of protocells with prebiotic chemistry**

Speaker
Job Boekhoven

09:50–10:10
Prebiotic gas flow environment enables isothermal nucleic acid replication

Speaker
Philipp Schwintek

10:10–10:30 **RNA ligation**

Speaker
Dieter Braun

10:30–10:45 **Coffee Break**

10:45–11:05 **ALIGN I: A pilot study on resolved transition disk systems**

Speaker
Amelia Bayo

11:05–11:25 **Sequential giant planet formation initiated by disc substructure**

Speaker
Tommy Chi Ho Lau

11:25–11:45
Approximating Rayleigh Scattering in Exoplanetary Atmospheres using Physics-informed Neural Networks (PINNs)

Speaker
David Dahlbüdding

11:45–12:00 **Coffee Break**

12:00–12:20 **Polycyclic Aromatic Hydrocarbons in Exoplanetary Atmospheres**

Speaker
Fabian Grübel

12:20–12:40 **Studying the Earth as an Exoplanet with Earthshine observations**

Speaker
Giulia Roccetti

12:40