

Workshop - Ariel-IT Science

Martedì 18.05.21

Ora inizio	Durata	Relatore	Titolo	Sessione
09:00	00:10	Giusi Micela	Introduzione	
09:10	00:20	Diego Turrini	Ariel's unique window into planet formation	Planetary formation
09:30	00:20	Eugenio Schisano	Atmospheric composition of hot jupiters as a tracer of planet formation and migration histories	Planetary formation
09:50	00:20	Antonio Garufi	Where and when planets form: Ariel meets ALMA and SPHERE	Planetary formation
10:10	00:20	Claudio Codella	The chemical composition of protoplanetary disks as imaged by ALMA: Paving the way to Ariel	Planetary formation
10:30	00:20	Elenia Pacetti	Chemical diversity in protoplanetary discs and its impact on the formation history of giant planets	Planetary formation
10:50	00:20	Sergio Fonte	Analysis of molecular species produced by the Hephaestus-Fastchem pipeline	Planetary formation
11:10	00:20		Break	
11:30	00:10	Cesare Cecchi Pestellini	Introduzione	
11:40	00:20	Giuseppe Sindoni	From the Solar System to Exoplanets: radiative transfer, data inversion and tools for simulating atmospheres	Atmospheric models
12:00	00:20	Giuseppe Cassone	Advanced computational approaches in astrochemistry	Atmospheric models
12:20	00:20	Daniele Locci	High Energy Radiation and Atmospheric Photochemistry of Gaseous Exoplanets	Atmospheric models
12:40	00:20	Antonio Maggio	Time-dependent High-Energy Stellar Radiation and Planetary Atmosphere interaction	Stellar activity
13:00	00:20	Antonio Jimenez Escobar	simulating hazes in planetary atmospheres	Atmospheric models
13:20	01:10		Pausa pranzo	
14:30	00:10	Laura Magrini	Introduzione	
14:40	00:20	Katia Biazzo	Homogeneous determination of planet hosting stellar parameters in Ariel	Stellar characterization
15:00	00:20	Monica Rainer	Ground-based observations for the Stellar Characterisation WG	Stellar characterization
15:20	00:20	Jesus Maldonado	resolution, optical spectra: a pathway to unveil the abundance signature of planet formation.	Stellar characterization
15:40	00:20	Giovanni Bruno	Homogeneously characterising the activity level of the Ariel Reference Sample	Stellar characterization
16:00	00:20	Ronaldo da Silva	Methods for stellar characterization, light-curve modeling, and image reduction	Data analysis and retrieval
16:20			Fine lavori 1° giorno	

Workshop - Ariel-IT Science

Venerdì 21.05.21

Ora inizio	Durata	Relatore	Titolo	Sessione
09:00	00:10	Lorenzo Mugnai	Introduzione	
09:10	00:20	Gianluca Cracchiolo	Correcting the effect of star spots on ARIEL transmission spectra	Stellar activity
09:30	00:20	Angelo Zinzi	ExoplAn3T, the novel tool for exosystems studies	Data analysis and retrieval
09:50	00:20	Gloria Guilluy	Synergy between Ariel and ground-based high-resolution spectroscopy	Data analysis and retrieval
10:10	00:20	Riccardo Claudi	LOCNES & ARIEL: A possible Synergy?	Synergy with other instruments
10:30	00:10	Isabella Pagano	Sommario	
10:40	00:20		Break	
11:00	00:20	Serena Benatti	RV follow-up prediction for planetary mass determination	Other
11:20	00:20	Luca Borsato	High Cadence Photometry with Ariel	Other
11:40	00:20	Alessandro Nastasi	The GAL Hassin contribution to extrasolar planets ephemerides through the ExoClock Project.	Other
12:00	01:00		Discussione	
13:00			Fine lavori	