

31st IPM Physics Spring Conference

Institute for Research in Fundamental Sciences

15 May 2024 (26 Ordibehesht 1403)

Time (Tehran Time)	Speaker	Title	Chair
8:45-9:00	Fatemeh Tabatabaei (Head of School of Astronomy)	Opening	
9:00-9:40	Mohammad Khazaei (University of Tehran, Iran)	Insight into MAX Phases and Their 2D MXenes: A First-Principles Perspective on Structures and Electronic Properties	Fatemeh Tabatabaei
9:40-10:20	Arman Shafieloo (KASI, South Korea)	Reconstructing Dark Energy with Most Recent Cosmology Data	
10:20-10:50	Break / Posters		
10:50-11:30	Hossein Karimi (IPM, Iran)	An Introduction to the Vacuum System of Synchrotron Light Sources	Farid Taghinavaz
11:30-12:10	Radoslaw Ryblewski (IFJ PAN, Poland)	The Emergence of Barnett Effect within Relativistic Spin MHD	
12:10-13:30	Break / Posters		
13:30-14:10	Mohsen Razavi (Leeds University, UK)	Recent Progress in Quantum Communications Networks	Khatereh Azizi
14:10-14:50	Alessandro Laio (SISSA, Italy)	Identifying Informative Distance Measures in High-Dimensional Feature Spaces	
14:50-15:20	Break / Posters		
15:20-16:00	Bernard Foing (Leiden University, Netherlands)	Moon and Mars Science: Recent Exploration and Upcoming Missions	Ali Mollabashi
16:00-16:40	Ali Seraj (Université libre de Bruxelles, Belgium)	Gyroscopic Gravitational Memory from Binary Systems	
16:40-17:00	Break / Posters		
17:00-17:10	Hedieh Abdollahi (IPM, Iran)	The Isaac Newton Telescope Monitoring Survey of Local Group Dwarf Galaxies VIII, Andromeda Dwarf Satellite Galaxies	Atefeh Javadi
17:10-17:20	Roya Majidi (Shahid Rajaei Teacher Training University, Iran)	Physical Properties of Twin Sun Graphene: A Density Functional Theory Study	

17:20-17:30	Mohammad Aghaei (University of Pisa, Italy)	Hunting Minimal Dark Matter Quintuplet	
17:30-17:40	Fatemeh Nemati (Urmia University of Technology, Iran)	Electronic Transport of Black Phosphorus: A Quantum Chaos Approach	
17:40-17:45	Atefeh Javadi (Chair)	Closing	