

30th IPM Physics Spring Conference
 May 17-18, 2023 (27-28 Ordibehesht 1402)
Program

Wednesday (27 Ordibehesht 1402)

8:00-8:40	Registration		
8:40-8:45	A. Ashoorioon	Chair: A. Ashoorioon	Welcome
8:45-9:00	S. Rahimi-Keshari		Introduction to quantum information science.
9:00-9:30	S. Rahvar		Detection and the observational signatures of primordial black holes.
9:30-10:00	R. Goldouzian (online)		Review of recent physics results from the CMS experiment.
10:00-10:30	M. H. Namjoo		Ultra-light dark matter and its effective description .
10:30-10:50	Break		
10:50-11:20	K. Azizi	Chair: A. Nassiri-Rad	Proton
11:20-11:50	S. Khatibi		Production and Phenomenology of Light Dark Matter.
11:50-12:10	S. Ansarifard		مدل سازی نوسان وابسته به فاصله نوترینوهای خورشیدی با کمک داده های تغییرات فصلی.
12:10-12:30	S. Abbaslu		Effects of nonhelical component of hypermagnetic field on the evolution of the matter-antimatter asymmetry, vorticity, and hypermagnetic field.
12:30-13:30	Lunch		
13:30-14:00	A. Ramezanzpour (online)	Chair: Z. Etesami	Statistical Physics of Cities .
14:00-14:30	L. Majidi		Quantum transport in twisted transition metal dichalcogenide/CrI3 van der Waals heterostructures.
14:30-15:00	M. Vaez Allaei		گذار نظم-بی نظم در مواد دانه‌ای خشک و تر.
15:00-15:30	M. MirKamali		Micro-Macro Entanglement .
15:30-15:50	Poster Session		
15:30-15:50	Break		
15:50-16:20	V. Taghiloo	Chair: Z. Torbatian	Shallow Water Memory.
16:20-16:40	M. Najafzadeh		Massive to massless by applying a nonlocal field redefinition.
16:40-17:00	M. Shams Nejati		نظریه ی گرانش دو-اسکالر در دو-بعد.
17:00-17:20	S. Jahanbani		Optical and photothermal properties of gold nanocubes in cancer treatment.
17:20-18:20	Poster Session		

Thursday (28 Ordibehesht 1402)

9:00-9:30	J. Sarabadani	Chair: M.B. Jahani-Poshteh	Polymer translocation through a nanopore: An overview.
9:30-10:00	J. Taghizadeh-Firouzjaee		Primordial black hole: constraint from accretion and merging rate.
10:00-10:30	A. Sadeghipanah		Status report of the Iranian Light Source Facility (ILSF)".
10:30-11:00	M. Ghasemi		Interplay between Entanglement and Symmetry.
11:00-11:20	Break		
11:20-11:50	F. Taghinavaz	Chair: S.M.A. Tabatabaee Mehr	Hydrodynamic series for critical systems.
11:50-12:20	B. Boghrati		IPM Electronics for the CMS Phase-2 Upgrade RPC Link System.
12:20-12:40	H. Abdolmaleki		Parton Distribution Functions of the Charged Pion Within The xFitter Framework.
12:40-12:50	Closing		
12:50-13:50	Lunch		