

24th Meeting on Research in Astronomy at IASBS

15-17 June 2022

First Day (15th June)

Time	Presenter	Title	Chair
11-11:30 (Tehran time) 8:30-9 (Central Europe Time)	Opening <ul style="list-style-type: none"> Hosein Haghi (Conference Chair) Babak Karimi (President of IASBS) Yousef Sobouti (Founder of IASBS) Moein Mosleh (Head of ASI) 		
11:30-12:10 (THR) 9-9:40 (CET)	Arman Shafieloo (Korea Astronomy and Space Science Institute)	Status of the Standard Model of Cosmology: Prospects of the Tensions	Hosein Haghi
12:10-12:50 (THR) 9:40-10:20 (CET)	Shant Baghrum (Sharif University of Technology)	Three voids to study the cosmos: Cosmic Voids, Dark Matter Halos in Voids, and Void functions	
Lunch			
14:30-15:10 (THR) 12-12:40 (CET)	Antonio Sollima (INAF OAS Bologna)	The Initial Mass Function of Galactic Star Cluster and solar neighbourhood in the era of wide-field surveys	Nima Khosravi
15:10-15:50 (THR) 12:40-13:20 (CET)	Christian Fendt (Max Planck Institute for Astronomy)	Launching astrophysical jets: MHD simulations of accretion, ejection & dynamo action	
Break			
16:10-16:50 (THR) 13:40-14:20 (CET)	Nima Khosravi (Shahid Beheshti University)	Ginzburg-Landau theory of Dark Energy: A proposal to think about the cosmological tensions altogether	Moein Mosleh
16:50-17:10 (THR) 14:30-14:50 (CET)	Hamid Ebrahimi	Investigating the mass function and dynamical parameters of nearby open clusters and associations	
17:10-17:30 (THR) 14:40-15 (CET)	Milad Solbi	Primordial black holes and induced gravitational waves in k-inflation	
17:30-17:50 (THR) 15-15:20 (CET)	Seyede Tahere Kashfi	Fast galaxy bars, an unsolved problem in standard cosmology	
Break			
18:10-18:50 (THR) 15:40-16:20 (CET)	Javad Taghizadeh (Khajeh Nasirodin University of Technology)	Prospects for scientific progress in black hole discovery	Mohammad Hassan Vahidinia
18:50-19:10 (THR) 16:20-16:40 (CET)	Ahmad Farhani Asl	The Effect of Top-heavy IMF on the Formation of Dark Star Clusters	
19:10-19:30 (THR) 16:40-17 (CET)	Asiyeh Yaghoobi	Ionising Feedback Effects on Star Formation in Globular Clusters with Multiple Stellar Populations	
19:30-19:50 (THR) 17-17:20 (CET)	Mohammad Hosseinirad	Correlation of the magnetic field and the dynamical mass of galaxies in the Illustris TNG simulation	
End of the First day			



24th Meeting on Research in Astronomy at IASBS

15-17 June 2022

Second Day (16th June)

Time	Presenter	Title	Chair
9-9:40 (THR) 6:30-7:10 (CET)	Shahram Abbasi (Ferdowsi University of Mashhad)	Filamentary star formation: theoretical interpretation	Mahdi Khakian
9:40-10:20 (THR) 7:10-7:50 (CET)	Somayeh Sheikhnezami (IASBS)	The MHD Disk-Jet Transition in Binary Systems	
Break			
10:50-11:30 (THR) 8:20-9 (CET)	Asmita Bhandare (Lyon Astrophysical Research Center)	Zooming in on star and disk formation	Somayeh Sheikhnezami
11:30-12:10 (THR) 9-9:40 (CET)	Rainer Spurzem (University of Heidelberg)	How star clusters generate black holes and gravitational waves across cosmic time	
Lunch			
14-14:40 (THR) 11:30-12:10 (CET)	Indranil Banik (University of St Andrews)	Introduction to Milgromian dynamics: motivation and cosmological context	Mahmood Roshan
14:40-15:20 (THR) 12:10-12:50 (CET)	Azadeh Fattahi (Durham University)	Buildup of Milky Way's stellar halo: the revolution of Gaia	
Break			
15:50-16:10 (THR) 13:20-13:40 (CET)	Moritz Haslbauer	The KBC void and Hubble tension in Λ CDM and Milgromian dynamics	Kayoomars Karami
16:10-16:30 (THR) 13:40-14 (CET)	Elena Asencio	The interacting galaxy cluster "El Gordo": a massive blow to LCDM cosmology	
16:30-16:50 (THR) 14-14:20 (CET)	Karam Bahari	Transverse oscillations and damping of magnetic flux tubes with a thick transitional layer	
17-18:30 (THR) 14:30-16 (CET)	Poster Session		
End of the Second day (Dinner at Sayan Garden)			

24th Meeting on Research in Astronomy at IASBS

15-17 June 2022

Third Day (17th June)

Time	Presenter	Title	Chair
9-9:30 (THR) 6:30-7 (CET)	Habib Khosroshahi (Iran National Observatory)	Iranian National Observatory Project: Status Update	Soroush Shakeri
9:30-9:50 (THR) 7-7:20 (CET)	Zahra Tabatabaie	Studying of the Observational Appearance of the Planet with Eccentric Orbits In the Protoplanetary Disk	
9:50-10:10 (THR) 7:20-7:40 (CET)	Ghasem Safaei	Could be the Orion Nebula Cluster as the progenitor of the Pleiades and the Hyades?	
10:10-10:30 (THR) 7:40-8 (CET)	Malihe Rabiee	Is Globular Cluster Palomar 14 Accreted by The Milky Way?	
Break			
11-11:45 (THR) 8:30-9:15 (CET)	Sohrab Rahvar (Sharif University of Technology)	The role of primordial blackholes in the universe	Asiyeh Karami
11:45-12:05 (THR) 9:15-9:35 (CET)	Davood Manzoori	Beating Phenomena and Rotation Effect in Tidally Pulsating Binary Star KIC 3858884	
12:05-12:25 (THR) 9:35-9:55 (CET)	Elham Nazari	Motion of light in Energy-Momentum Squared Gravity	
12:25-12:45 (THR) 9:55-10:15 (CET)	Ali Rostami	The escape of globular clusters from the satellite dwarf galaxies of the Milky Way	
12:45-13 (THR) 10:15-10:30 (CET)	Closing (Celebrating the 30th anniversary of the IASBS)		
	<ul style="list-style-type: none"> • Ali Foroush Bastani (Student & Socio-Cultural Vice President) • Shahpoor Saeidian (Head of the Physics Department) • Hosein Haghi (Conference Chair) 		
End of the Third day			