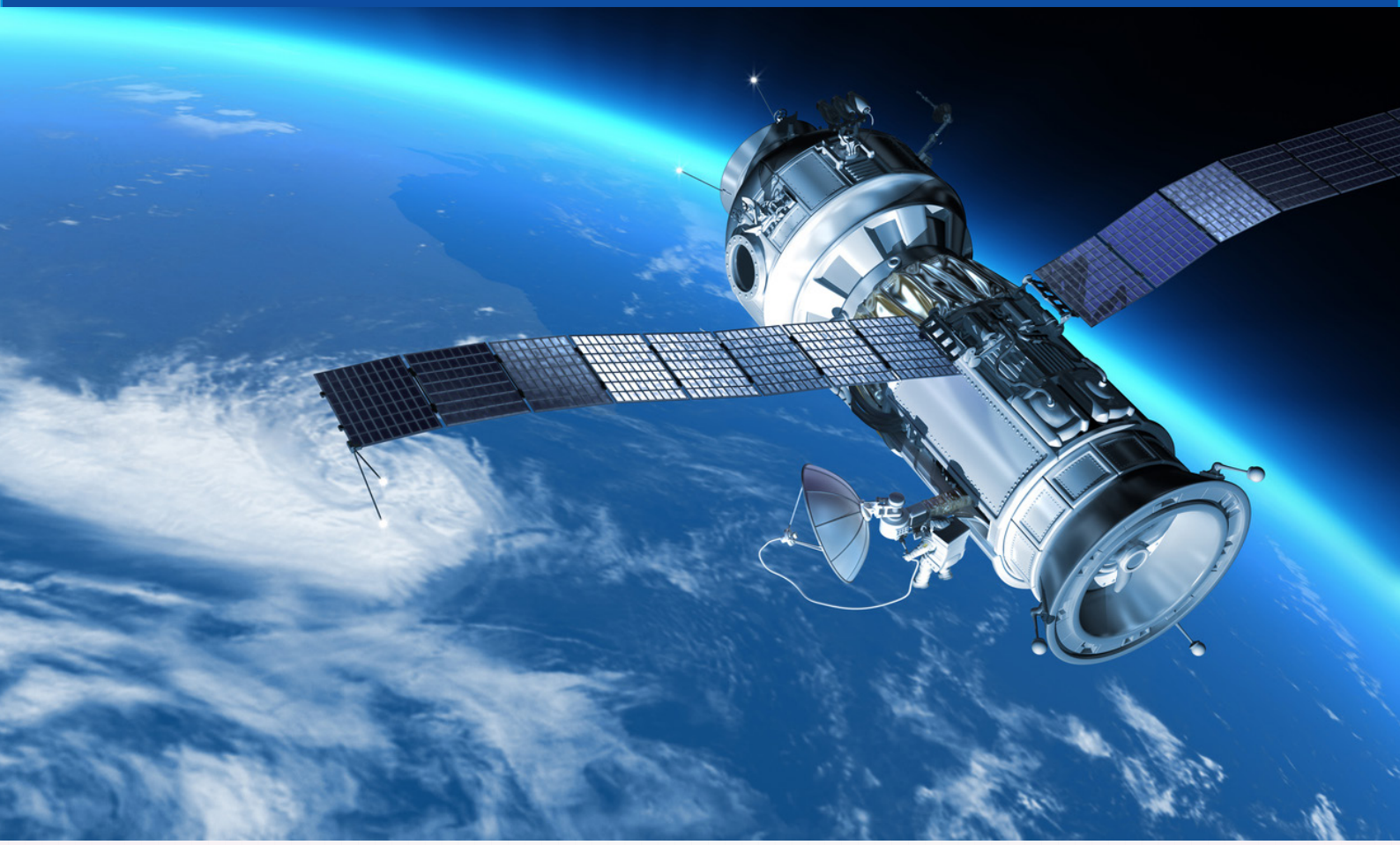
Tentative Program

3rd International Conference on

Astronomy and Space Science

October 18-19, 2018 Rome, Italy



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

astrospace@physicsconferences.org

3rd International Conference on

Astronomy and Space Science

October 18-19, 2018 Rome, Italy

Program at a Glance

Day 1

Morning Sessions / Evening Sessions

Reception/Registration	08.00-09.00	
	Time	General Session
Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
	09.15-09.45	Keynote/Plenary Talk 1
	09.45-10.15	Keynote/Plenary Talk 2
	10.15-10.45	Keynote/Plenary Talk 3
Panel Discussions/Group Photo		
Coffee/Tea Break 10.45-11.00 (Networking)		
11.00-12.40	5 Speakers (20 Mins Each)	
Lunch Break 12.40-13.30		
13.30-15.30	6 Speakers (20 Mins Each)	
Coffee/Tea Break 15.30-15.45 (Networking)		
15.45-17.25	5 Speakers (20 Mins Each)	

19 Speakers for Day 1

Day 2

Morning Sessions / Evening Sessions

	Time	Session 1	Session 2
09.00-10.40		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Coffee/Tea Break 10.40-10.55 (Networking)			
10.55-12.35		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Lunch Break 12.35-13.25			
13.25-15.05		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Poster Sessions			
Coffee/Tea Break 15.05-15.20 (Networking)			
15.20-17.00		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Closing Cermony			
NOTE: Program Shedule is subject to change with final allotment of the speaker slots			

30 Speakers on Day 2

Call for Abstract: http://astronomy-space.physicsmeeting.com/call-for-abstracts.php

Registration: http://astronomy-space.physicsmeeting.com/registration.php

Abstract Submission: http://astronomy-space.physicsmeeting.com/abstract-submission.php

Brochure: http://astronomy-space.physicsmeeting.com/conference-brochure.php

For more Details PS: http://astronomy-space.physicsmeeting.com

Email: astrospace@physicsconferences.org

Conference Highlights

- Astronomy
- The Universe
- Exoplanet
- Astronomical Spectroscopy
- Space Weather
- Astro-particle Physics & Cosmology
- High Energy Nuclear Physics
- Optical Astronomy
- Radio Astronomy
- Solar Astronomy
- Plasma & Space Physics
- Satellite Communication
- Infrared Astronomy



Plan your trip to Rome



Castel St Angelo



Colosseum



Hadrian Villa



Palatine Hill



Roman-Forum



Trajan's Column



Trevi-Fountain



Vatican City

conferenceseries.com
1461st Conference

Scientific Program



Proceedings of
2nd International Conference on

ASTROPHYSICS AND PARTICLE PHYSICS

November 13-15, 2017 | San Antonio, USA

Conference Series llc LTD
47 Churchfield Road, London, W3 6AY Phone:
+44 8000148923, Fax: +44 2030041517

Registrations

Conference Hall: Texas A

conferenceseries.com

Opening Ceremony

Keynote Forum

Introduction

Title: New views of fusion in the sun using studies of the charge symmetric reactions $T(T,^4He)2n$ and $^3He(^3He,^4He)2p$ at laser fusion facilities

Andrew Bacher, Indiana University, USA

Title: Solitons' dynamics in regions with sharp gradients of basic parameters of propagation medium

Vasily Yu Belashov, Kazan Federal University, Russia

Plenary Talk

Title: Does the computational unified field theory (CUFT) challenge the "Big-Bang theory"?

Jehonathan Bentwich, Brain Perfection LTD, Israel

Panel Discussion

Networking & Refreshment Break

Workshop on Status of condensed neutrino matter research

Title: Condensed neutrino objects as dark matter

P D Morley, Booz-Allen-Hamilton, USA

Title: Condensed neutrino object models and galaxy cluster data

D J Buettner, USA

Sessions:

Astrophysics and Space Science | Nuclear Astrophysics | Dark Matter and Dark Energy

Session Chairs: Vasily Yu Belashov, Kazan Federal University, Russia

Session Co-chairs: Ivan Zhelyazkov, Sofia University, Bulgaria

Session Introduction

Title: Black holes observed gates to a parallel universe

Ghassan H Halasa, University of Jordan, Jordan

Title: Scalar fields as dark matter

Tonatiuh Matos, Stanford University of Medicine, USA

Title: Multidimensional nonlinear ion-acoustic waves in a weakly relativistic plasma

Vasily Yu Belashov, Kazan Federal University, Russia

Panel Discussion

Group Photo 12:50-13:00

Lunch Break

Title: Kelvin–Helmholtz instability in solar jets observed by *Hinode* and *SDO*/AIA

Ivan Zhelyazkov, Sofia University, Bulgaria

Title: The γ-ray emission produced by protons that escape from supernova remnant G349.7+0.2

Xiao Zhang, Nanjing University, China

Title: Is dark matter present in our galaxy?

Piotr Gnaciński, University of Gdańsk, Poland

Title: Remarks regarding the dark matter problem

Anton Lipovka, Sonora University, Mexico

Title: Determination of classical distributions of electrons and ions with inertias containing Boltzmann relations and equation of electron to ion temperature ratio α for non-thermal plasma composition
Bhaben Chandra Kalita, Gauhati University, India
Title: About the dependence of the black-body force on space-time geometry and topology
Marcony S Cunha, Ceará State University, Brazil

Panel Discussion

Networking & Refreshment Break

Title: Burst astrophysics and macro object shell model
Vladimir S Netchitailo, BIOLASE, USA
Title: Evolution of the Universe
Ghassan H Halasa, University of Jordan, Jordan
Title: Alpha-decay energies of superheavy nuclei for the Fayans functional
Eduard E Saperstein, National Recearch Centre 'Kurchatov Insitute', Russia
Title: Nuclear stability from another point of view
Xiaodong Li, National University of Defense Technology, China

Panel Discussion

Day 2 November 14, 2017

Conference Hall: Texas A

Keynote Forum

Title: Weaknesses in the Big Bang Theory: The need for new theory
Ghassan H Halasa, University of Jordan, Jordan
Title: Nature of the cosmological constant and geometrical origin of quantization
Anton Lipovka, Sonora University, Mexico

Workshop

Title: Nonlinear dynamics of the 3D solitary Alfvén waves in the ionospheric and magnetospheric plasma
Vasily Yu Belashov, Kazan Federal University, Russia

Panel Discussion

Networking and Refreshment Break

Sessions:
Particle Physics | Cosmology | Gravitational Physics | High Energy Physics | Atomic and Molecular Astrophysics

Session Chairs: Anton Lipovka, Sonora University, Mexico
Session Co-chairs: Heng Xiao, Jinan University, China

Session Introduction

Title: Photodynamics: How massive photons, gravitons, gluons and neutrinos manage to travel at the speed of light
Robert J Martineau, NASA Goddard Space Flight Centre, USA
Title: Pauli principle and Clifford algebra
Claude Daviau, Fondation Louis de Broglie, France
Title: Analog of the Peter-Weyl theorem for Lorentz group and Y-Map in loop quantum gravity
Leo Perlov, University of Massachusetts, USA
Title: Proposed link between the periodic table and the standard model
John O Roberts, University of Liverpool, UK
Title: Asymptotic safety in quantum gravity: Renormalizability and beyond
Martin Reuter, University of Mainz, Germany
Title: Effect of differential cross section in Breit-wheeler pair beaming
Ribeyre X, University of Bordeaux, France

Panel Discussion

Lunch Break

Title: Accelerated expansion of a symmetric universe
M J Van Der Burgt, Delft University, Netherlands
Title: Hypersphere world–Universe model
Vladimir S Netchitailo, BIOLASE, USA
Title: Modeling of compact stars in embedding class one space time in general relativity
Sunil Kumar Maurya, University of Nizwa, Oman
Title: Physical and nonphysical modes in the light front formulation for the LC gauge and the Lorentz gauge conditions
Elżbieta Dzimida-Chmielewska, University of Białystok, Poland
Title: Deformable media with quantized effects
Heng Xiao, Jinan University, China
Title: Mixing of relativistic ideal gases with relative relativistic velocities
R E Gonzalez-Narvaez, ESFM IPN, México

Panel Discussion

Networking & Refreshment Break

Title: Superluminal representations in modern physical researches
Dmitri Kirko, Moscow Engineering Physics Institute, Russia
Title: Two groups of oppositely charged particles as building blocks for the start of the universe
M J Van Der Burgt, Delft University, Netherlands
Title: Plasma constraints on the cosmological abundance of magnetic monopoles and the origin of cosmic magnetic fields
M Medvedev, University of Kansas, USA
Title: Light energy from dipole repeller and its influence on motions of galaxies
Chidiebere Anigbo, University of Nigeria, Nsukka, Nigeria

Panel Discussion

Day 3 November 15, 2017

Conference Hall: Texas A

Keynote Forum

Title: The observed evidence of both invalidating black hole model at the galactic center and magnetic monopole existence
Qiuhe Peng, Nanjing University, China
Title: Wavy žTheory
Al Zahrani Abdullah, Warsaw University of Technology, Poland

Sessions:
Astronomy | Advanced Software in Astronomy | Space Missions & Satellite
Session Chairs: Qiuhe Peng, Nanjing University, China
Session Co-chairs: Mishra R K, SLIET, India

Session Introduction

Title: Collective effects in disk galaxies
Xiaolei Zhang, George Mason University, USA
Title: Asymptotic giant branch stars: Dust manufacturers of their host environments
Flavia Dell'Agli, Instituto de Astrofísica de Canarias, Spain

Panel Discussion

Networking & Refreshment Break

conferenceseries.com
885th Conference

Scientific Program

International Conference on

Astrophysics and Particle Physics

December 08-10, 2016 Dallas, Texas, USA



UK: Conference Series llc LTD
47 Churchfield Road, London, W3 6AY
Phone:+44 8000148923, Fax: +44 2030041517

Day 1 December 08, 2016

08:00-08:30 Registrations

Plano - Richardson (A)

conferenceseries.com **08:30-08:55** Opening Ceremony

Keynote Forum

08:55-09:00 Introduction

09:00-09:30 Title: The planet Earth
Edwin Zong, Laser Neutrino Annihilation Synergistic Applicator LLC, USA

09:30-10:00 Title: Numerical Hartree-Fock and correlation calculations of the properties of diatomic molecules
John C Morrison, University of Louisville, USA

10:00-10:30 Title: Dynamics of multidimensional nonlinear wave structures of the soliton and vortex types in dispersive complex media: Theory, simulation and applications
Vasily Yu Belashov, Kazan Federal University, Russia

Group Photo

Networking & Refreshment Break @ 10:30-10:50 @ Foyer

Sessions: Astrophysics & Spacescience | Astronomy

Session Chair: Pierre Barge, LAM/Aix-Marseille University, France
Session Co-chair: Irene Di Palma, University of Rome La Sapienza, Italy

Session Introduction

10:50-11:15 Title: Comparison of some features of comets 1P/Halley and 67P/CG
Leonid Ksanfomality, Space Research Institute-RAS, Russia

11:15-11:40 Title: Vortices in protoplanetary disks
Pierre Barge, LAM/Aix-Marseille University, France

11:40-12:05 Title: An unified model of supernova driven by magnetic monopoles
Qiuhe Peng, Nanjing University, China

12:05-12:30 Title: Long-term timing of the double pulsar J0737-3039 with XMM-Newton
Maria Noemi Iacolina, INAF-Astronomical Observatory of Cagliari, Italy

12:30-12:55 Title: Leveraging GPU accelerated computing to restore credibility to the giant impact hypothesis
Bryant Wyatt, Tarleton State University, USA

Panel Discussion

Lunch Break @ 13:00-14:00 @ Waterfall Atrium

Session Introduction

14:00-14:25 Title: Secular evolution of galaxies and the formation of Hubble sequence
Xiaolei Zhang, George Mason University, USA

14:25-14:50 Title: Stellar sail, planet re-climate and homeland defense
Edwin Zong, Laser Neutrino Annihilation Synergistic Applicator LLC, USA

14:50-15:15 Title: Modeling of dynamics of vortex structures in continuous media
Vasily Yu Belashov, Kazan Federal University, Russia

15:15-15:40 Title: Signs of hypothetic fauna and flora on Venus and their characterization
Leonid Ksanfomality, Space Research Institute of the Russian Academy of Sciences, Russia

Networking & Refreshment Break 15:40-16:00 @ Foyer

16:00-16:25 Title: Predictions of neutrino fluxes from Pulsar Wind Nebulae
Irene Di Palma, Universitá di Roma La Sapienza, Italy

16:25-17:50 Title: Finding life in the Universe: Goldilock places around stars and stellar systems
Manfred Cuntz, University of Texas, USA

17:50-18:15 Title: ESSυSB - The ESS neutrino facility for CP violation discovery
Marcos Dracos, Université de Strasbourg, France

Panel Discussion

Day 2 December 09, 2016

Plano - Richardson (A)

Keynote Forum

09:00-09:30 Title: Observational cosmology with thirty meter telescope
Masanori Iye, NAOJ, Japan

Plenary Talk

09:30-10:15 **Title: A quantum of darkness: The quantum origins of dark matter**
Allan D Ernest, Charles Sturt University, Australia

Symposium

10:15-10:55 **Title: Inspiring results for the formation of non-linear 'solitary waves' in space plasmas due to relativistic and quantum effects**
Bhaben Chandra Kalita, Manabendra Deka, Gauhati University, India

Networking & Refreshment Break 10:55-11:15 @ Foyer

Session:
Particle physics | Astroparticle Physics | Computational Astrophysics | Nuclear and Particle Physics | Darkmatter and Dark Energy

Session Chair: Amr Radi, Sultan Qaboos University, Oman
Session Co-chair: Man Ho Chan, The Education University of Hong Kong, China

Session Introduction

11:15-11:40 **Title: Scintillation detectors in modern high energy physics experiments and prospect of their use in future experiments**
Yuri Kharzeev, Joint Institute for Nuclear Research, Russia

11:40-12:05 **Title: Studying total cross section for proton-proton interactions at large hadrons collider**
Amr Radi, Sultan Qaboos University, Oman

12:05-12:30 **Title: Astrophysical ZeV acceleration in the relativistic jet from an accreting supermassive blackhole**
Toshikazu Ebisuzaki, RIKEN, Japan

12:30-12:55 **Title: Sommerfeld enhancement of dark matter annihilation in galaxies and galaxy clusters**
Man Ho Chan, The Education University of Hong Kong, China

Panel Discussion

Lunch Break 13:00-14:00 @ Waterfall Atrium

14:00-14:25 **Title: Pion-Pion elastic scattering, dynamical generation of the $f_0(500)$ resonance, finite-temperature effects and chiral restoration: A large-N approach**
Juan Santiago Cortes, Universidad de los Andes, Colombia

14:25-14:50 **Title: On the disk wind mass loss rates in QSOs**
Nicolas A Pereyra, University of Texas Rio Grande Valley, USA

14:50-15:15 **Title: Connecting LHCb flavor anomalies to astrophysics observations**
Wan-Zhe Feng, Northeastern University, USA

15:15-15:40 **Title: Energy radiation vs. thermal radiation detected from electromagnetic spectrum observations**
Gilbert Leon Joseph Beaudry, PhysicsOfUniverse.com, Canada

Networking & Refreshment Break 15:40-16:00 @ Foyer

16:00-16:25 **Title: Error analysis of Ia supernova and query on cosmic dark energy**
Qiuhe Peng, Nanjing University, China

16:25-16:50 **Title: The DAMPE mission**
Jian W U, Purple Mountain Observatory- CAS, China

Workshop

16:50-17:15 **Title: Nonlinear wave structures of soliton and vortex types in complex continuous media**
Vasily Yu Belashov, Kazan Federal University, Russia

17:15-17:40 **Title: The experimental studying of nonlinear waves strictures in the ionospheric plasma caused by the solar terminator and a powerful radio emission of "Sura" facility**
Igor Nasyrov, Kazan Federal University, Russia

17:40-18:05 **Title: Recurrent analysis of the large scale structures in non-uniform magnetospheric flows**
Khatuna Chargazia, Tbilisi State University, Georgia

Panel Discussion

Day 3 December 10, 2016

Plano - Richardson (A)

Session:
Atomic and Molecular Astrophysics | Neutrino Physics | Heavy-ion physics | Gravitational physics

Session Chair: Hongbo Cheng, East China University of Science and Technology, China
Session Co-chair: John G Bryant, University Paris VI, France

Session Introduction

09:00-09:25 **Title: Detection of gravitational waves with LIGO**
Irene Di Palma, Universitá di Roma La Sapienza, Italy

09:25-09:50	**Title: Accurate first-principle calculations of the spectra of diatomic molecules in planetary atmospheres** **John C Morrison,** University of Louisville, USA
09:50-10:15	**Title: Simultaneous observation of solar neutrons at the International Space Station and high mountain observatories in association with a flare on July 8, 2014** **Jose F Valdés-Galicia,** National Autonomous University of Mexico, Mexico
10:15-10:40	**Title: Baryogenesis and Dark Matter in U(1) Extensions** **Wan-Zhe Feng,** Northeastern University, USA
	Networking & Refreshment Break 10:40-11:00 @ Foyer
11:00-11:25	**Title: The calculation of the thermodynamic quantities of the Bardeen black hole** **Hongbo Cheng,** East China University of Science and Technology, China
11:25-11:50	**Title: Properties and applications of the modified Kepler problem** **John G Bryant,** Université Paris VI, France
11:50-12:15	**Title: Investigation of fragmentation (Z=2) of relativistic nuclei ^{16}O and ^{208}Pb** **E A Kotikov,** B P Konstantinov Petersburg Nuclear Physics Institute, Russia
	Young Researchers Forum
12:15-12:30	**Title: Approximation of the naive black hole degeneracy** **Youngsub Yoon,** Seoul National University, South Korea
12:30-12:45	**Title: COMPASS results on the nucleon spin structure** **Celso Franco,** LIP, Portugal
	Video Presentations
12:45-12:55	**Title: Modified non-linear Schrodinger models, infinite towers of conserved charges and bright solitons** **Harold Blas,** Federal University of Mato Grosso, Brazil
12:55-13:05	**Title: Jacobson resonance: Inertial electromagnetic induction** **Jerry I Jacobson,** Institute of Theoretical Physics and Advanced Studies, USA
13:05-13:15	**Title: DFT study of the Ni particle size on CH_4/CO_2 reforming over Ni/MgO catalyst** **Wen Ying Li,** Taiyuan University of Technology, China
	Lunch Break 13:25-14:25 @ Waterfall Atrium
	Panel Discussion
	Award & Closing Ceremony



Bookmark Your Dates

2nd International Conference on

Astrophysics and Particle Physics

October 30-November 01, 2017 San Antonio, USA

Website: www.astrophysics.conferenceseries.com

E-mail: particle@physicsconferences.org; astrophysics@conferenceseries.net

Title: Study on inversing method of ionospheric properties with spaceborne radar data
Xueqing Zhang, Montana Tech of the University of Montana, USA
Title: The Milky Way's supermassive black hole: How good a case is it? A challenge for astrophysics and philosophy of science
Andreas Eckart, University of Cologne, Germany
Title: Giant impact and the formation of the Colorado Plateau
Xiaolei Zhang, George Mason University, USA
Title: Stable field detection as a novel method for blind sensing of weak radio signals
Jakub Nikonowicz, Poznań University of Technology, Poland
Title: Implication of strong magnetic field near the galactic center (GC)
Qiuhe Peng, Nanjing University, China
Title: Comparative studies of cosmological models in alternative theory of gravity with LVDP and BVDP
Mishra R K, SLIET, India

Panel Discussion

Lunch Break

Title: Observational signature of grain growth in the protoplanetary disk around young star LkHα 330
Eiji Akiyama, National Astronomical Observatory of Japan, Japan
Title: Hypermassive black holes in the universe
Yu-Qing Lou, Tsinghua University, China
Title: Neutrino mixing in matter at extremely high energies
Bipin Singh Koranga, University of Delhi, India

Video Presentations

Title: Absorption coefficient across atmospheric troposphere layer
Wei Peng-Sheng, National Sun Yat-Sen University, Taiwan
Title: The fate and role of freely propagating cosmic photons in expanding universes
Hans Joerg Fahr, University of Bonn, Germany
Title: Direct observation of the strong (nuclear) interaction in the optical spectra of solids
V G Plekhanov, Fonoriton Sci Lab, Estonia
Title: Transportation process in the gravitational collapse
Hafiza Rizwana Kausar, University of Central Punjab, Pakistan

Panel Discussion

Networking & Refreshment Break

Awards & Closing Ceremony

