

# Tentative Program

4<sup>th</sup> International Conference on

## High Energy & Particle Physics

December 03-04, 2018 Valencia, Spain



Interactive  
Sessions

Keynote  
Lectures

Plenary  
Lectures

Workshops

Exhibitors

B2B  
Meetings

\*\*\*For available speaker slots\*\*\*

[highenergy@physicsconferences.org](mailto:highenergy@physicsconferences.org)

4<sup>th</sup> International Conference on

# High Energy & Particle Physics

December 03-04, 2018 Valencia, Spain

## Program at a Glance

Day 1			
Morning Sessions  <			

Call for Abstract: <https://highenergyphysics.conferenceseries.com/call-for-abstracts.php>

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# Conference Highlights

- Theoretical and Experimental High Energy Physics
- Particle and Nuclear Physics
- Astrophysics and Cosmology
- Heavy Ion Physics
- String Theory
- Quantum Physics & Quantum Technology
- Plasma Physics
- Material Science & Engineering
- Electromagnetism
- Atomic and Molecular Physics
- Nanotechnology





# Best Tourist Destinations in Valencia, Spain



**Biopark**



**El Miguelete**



**González Martí National Museum of Ceramics and Decorative Arts**



**Hemisfèricy Museo de las Ciencias Príncipe Felipe**



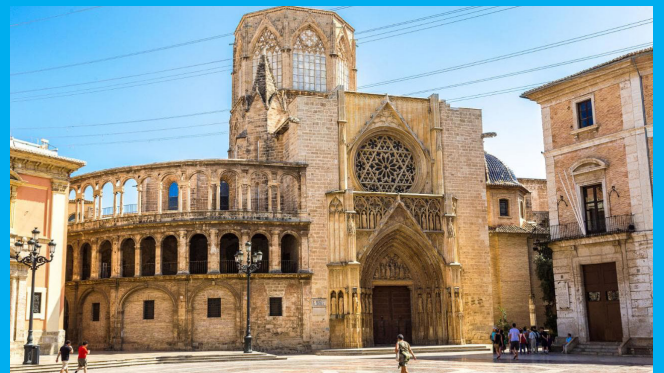
**L'Oceanogràfic**



**Mandalay Bay Shark**



**Museo de la Almoína**



**Saint Marys xlarge**



# Conference Venue

Valencia, Spain



## Contact us

**UK: Conference Series Ilc LTD**  
**High Energy Physics 2018**  
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Email: [highenergy@physicsconferences.org](mailto:highenergy@physicsconferences.org)



3<sup>rd</sup> International Conference on

# HIGH ENERGY PHYSICS

December 11-12, 2017 Rome, Italy



Conference Series llc LTD - UK  
47 Churchfield Road, London, W3 6AY  
Tel: +44 203 769 0972

# Opening Ceremony

## Keynote Forum

### Introduction

**Title: Group theory, coherent states, and the N-dimensional oscillator**

Carl R Hagen, University of Rochester, USA

**Title: Collapsar model for the central engine of gamma ray bursts**

Sachiko Tsuruta, Montana State University, USA

### Group photo

### Networking and Refreshments Break

**Title: An interplay between the atomic and high energy physics: an update**

Arkady Kholodenko, Clemson University, USA

**Title: Possible implications for discovery of strong radial magnetic field at the galactic center**

Qiu He Peng, Nanjing University, China

**Sessions: Astrophysics and Cosmology | String Theory | Material Science & Engineering**

**Session Chair: Carl R Hagen, University of Rochester, USA**

### Session Introduction

**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: Electromagnetic component of physical vacuum as a basic energy containing medium the ether of the universe: Phenomenology**

Serge F Timashev, Karpov Institute of Physical Chemistry, Russia

### Lunch Break

**Title: The energy loss of relativistic heavy ions in a gadolinium foil below and above the ferromagnetic Curie temperature**

F Nickel, GSI Darmstadt, Germany

**Title: The quantum Hall effect, the  $\theta$  angle, instantons and all that**

Adrianus M.M. Pruiken, University of Amsterdam, The Netherlands

**Title: A no tau neutrino appearance and a no Glashow resonance suggest an absent neutrino astronomy**

Daniele Fargion, INFN, Italy

**Title: Classical U (1) and SU (3) gauge theories in Weyl 2-spinor form and quark-gluon field induced equations of motion**

J Buitrago, Instituto de Astrofísica de Canarias, Spain

### Networking and Refreshments Break

**Title: Finite-temperature effective potentials in models with extended Higgs sector**

Mikhail Dolgoplov, Samara University, Russia

**Title: Microfocus Bremsstrahlung Source Based on Betatron High-Resolution Radiography and Tomography**

V A Smolyanskiy, National Research Tomsk Polytechnic University, Russia

**Title: The analysis of dislocations motion in aluminum with allowance for the Peierls potential relief**

Arakelyan M M, Yerevan State University, Armenia

**Title: Motley string or from 10 to 4**

George Yury Matveev, IT consultant, Sweden

## Young Researchers Forum

**Title: Deformation quantization of symmetric Kähler manifolds**

Kentaro Hara, Tokyo University of Science, Japan

**Title: Renormalization group improved pQCD prediction for Upsilon(1S) leptonic decay**

Jian-Ming Shen, Chongqing University, China

**Title: The Allan hypothesis**

Allanur Ansari, National Infotech College, Nepal

## Panel Discussion

**Day 2    December 12, 2017**

**Conference Hall - Olimpica 3+4**

## Keynote Forum

**Title: The secondary supernova machine: Gravitational compression, stored Coulomb energy, and SNII displays**

Bradley S Meyer, Clemson University, USA

**Title: Implication of strong magnetic field near the galactic center (GC)**

Qiu He Peng, Nanjing University, China

## Special Session

**Title: Mathematical modeling of charges generation rate in the SiC semiconductor**

Mikhail Dolgoplov, Samara University, Russia

## Networking and Refreshments Break

**Sessions: High Energy Nuclear Physics | Particle and Nuclear Physics | Atomic and Molecular Physics | Electromagnetism**

**Session Chair: Bradley S Meyer, Clemson University, USA**

## Session Introduction

**Title: Fadeev-Jackiw quantization of non-autonomous singular systems**

Hervé Mohrbach, Université de Lorraine, France

**Title: Direct observation of the strong nuclear interaction in the optical spectra of solids**

Vladimir G Plekhanov, Fonoriton Sci. Lab, Estonia

**Title: Phase stability in next-generation atomic frequency standards**

D A Howe, University of Colorado, USA

**Title: Two problems**

Inozemtsev Vladimir Ivanovich, Joint Institute for Nuclear Research, Russia

## Lunch Break

**Title: Relativistic heavy-ion collisions and relics from the early Universe**

Ahmed M Hamed, University of Mississippi, USA

**Title: Results from ARGO-YBJ**

Michele Iacovacci, University of Naples Federico II, Italy

**Title: Possible dark matter bosons resulted from a cold genesis theory of particles and a preonic quasi-crystal model of quarks**

Marius Arghirescu, State Office for Inventions and Trademarks, Romania

**Title: Search for a heavy Higgs and probing the CP for the light Higgs at the LHC and future  $e^+e^-$  colliders**

Xin Chen, Tsinghua University, China

## Networking and Refreshments Break

**Title: A generator using a tube of longitudinal accelerating open vortices nested one inside the other for positive feedback**

Valentina Markova, Bulgarian Academy of Sciences, Bulgaria

**Title: Laser-nucleus reactions at the upcoming extreme light infrastructure**

Adriana Palffy, Max Planck Institute for Nuclear Physics, Germany

**Title: The relativistic hydrogen atom with magnetic monopole on the nucleus**

Alison M Brennan, Cavendish Laboratory - University of Cambridge, UK

## Video Presentations



**Title: Analogue of asymptotic freedom in warm dense matter**

**W J Nellis**, Harvard University, USA

**Title: Assessment of diamagnetic antimatter storage for fueling the deep space relativistic rockets**

**Oleg G Semyonov**, State University of New York at Stony Brook, USA

**Title: Hydrodynamics of the physical vacuum: Vorticity dynamics**

**Valeriy I Sbitnev**, NRC Kurchatov Institute, Russia

**Title: Negative time scales in quantum systems**

**P Singha Deo**, S N Bose National Centre for Basic Sciences, India

**Panel Discussion**

**Closing Ceremony @ 18:35-18:45**



**Bookmark your dates**

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