IWARA2018 - 8th International Workshop on Astronomy and Relativistic Astrophysics

First Announcement

https://indico.cern.ch/event/646046/

Ollantaytambo, Sacred Valley, Peru, 9-15 September 2018

Overview



The event is the eighth in a series of meetings gathering scientists working on astroparticle physics, cosmology, gravitation, nuclear physics, and related fields. As in previous years, the IWARA2018 meeting sessions will consist of invited and contributed talks, poster sessions, and will cover recent developments in the following topics:

- New phenomena and new states of matter in the Universe
- General relativity, gravitation, cosmology
- New directions for general relativity: past, present and future of general relativity
- FRW cosmologies
- Cosmic microwave background radiation
- First stars, hypernovae, and faint supernovae in the early Universe
- Quantum gravity and quantum cosmology

- Gravity and the unification of fundamental interactions
- Supersymmetry and Inflation
- String theory
- White dwarfs, neutron stars and pulsars
- Black hole physics and astrophysics
- Gamma-ray emission in the Universe
- High energy cosmic rays
- Gravitational waves
- Dark energy and dark matter
- Strange matter and strange stars
- Antimatter in the Universe
- High-energy cosmic neutrinos
- Blazars
- Quantum chromodynamics, nuclear and particle physics and new states of matter in the Universe. Heavy ion collisions and the formation of the quark-gluon plasma in heavy ion collisions and in the first instants of the Universe
- Strong magnetic fields in the Universe, strong magnetic fields in compact stars and in galaxies, ultra-strong magnetic fields in neutron star mergers, quark stars and magnetars, strong magnetic fields and the cosmic microwave background
- Laboratories, observatories, telescopes and other experimental and observational
 facilities that will define the future directions of astrophysics, astronomy, cosmology,
 nuclear and astroparticle physics as well as the future of physics at the energy frontiers,
 and topics related to these.

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Local Organizing Committee

- Carlos Javier Solano Salinas UNI, Peru Co-Chair
- Orlando Pereyra Ravinez UNI, Peru
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- Rosendo Ochoa Jimenez UNI, Peru
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Starts 9 September 2018 14:00 Ends 15 September 2018 15:00

IWARA2018 VENUE

IWARA2018 will take place in the **Tawachaki Cafe and Restaurant**, located in Plaza Araccama in front of the Archaeological Complex of **Ollantaytambo**, Sacred Valley, a town and an Inca archaeological site in southern Peru (approximately 72 km (45 mi) by road at northwest of the city of Cusco) at an altitude of 2,792 m (9,160 ft) above sea level.





During the Inca Empire, Ollantaytambo was the royal estate of the Emperor Pachacuti who conquered the region and built the town and a ceremonial center. At the time of the Spanish conquest of Peru it served as a stronghold for Manco Inca Yupanqui, leader of the Inca resistance. Ollantaytambo has a train station to **Machu Picchu** village (at 94.40 km from this location).



Important guidance:

It is important to note that participation in an event in a peculiar region such as the Peruvian Sacred Valley as well as to schedule visits to Machu Picchu and to other historical archeological sites of the region require a delicate organization. The mentioned historical sites obey very particular and severe rules, schedules, and daily limitation of visitors. It is important that participants carefully read all the information available and observe the deadlines established by the organization of the event, otherwise we will not be able to guarantee that participants will visit the historical sites of the region.

Registration

From 9 September 2018 To 30 June 2018

The registration procedure is managed by the Integrated Digital Conference (INDICO) system. To register, please fill out the form on:

https://indico.cern.ch/event/646046/registrations/35959/

Participants that need an invitation letter are kindly asked to require it when filling the registration form. The registration fee is 250 USD for researchers and professors and 125 USD for students if payment is made until June 30, 2018. Payments of the fee after this date will only be accepted in exceptional cases and will cost 280 USD for researchers and professors and 140 USD for students. The conference fees will cover lunches, coffee breaks, reception cocktail, tours to Maras and Moray (we will offer lunch bags and transportation to the participants; tickets to these sites will be paid by the participants), and promotional materials. Facilities for payment of the fees by credit card will be available on line (Soon we will send the bank information regarding the payment of the fees). Only in exceptional cases the conference fee may be paid in cash at the registration desk. After registering, you will receive an automatic confirmation email. In case you do not receive it, please contact us through the official email of IWARA 2018: iwara2018@gmail.com.

Important Information

We also scheduled during IWARA2018 a one-day tour to Machu Picchu. This trip will be organized by the official tourism and travel agency of the meeting (see information below). And although the trip is in a group, with the participation of all those who wish to do so, the participants will have to deal individually with the agency, as well as their companions for the acquisition of train tickets and entrance tickets for Machu Picchu, as well as make reservations for lunch at the **Tinkuy Buffet Restaurant at Belmond Sanctuary Lodge** (optional):

https://www.belmond.com/sanctuary-lodge-machu-picchu/dining machu picchu

We plan to offer to the participants lunch bags as a food alternative during the tour to Machu Picchu.

Proceedings

We are currently making arrangements with international scientific publishers for the publication of the proceedings.

Book of Abstracts

The internet network at the event venue is of good quality. For this reason, we will not offer to the participants a summary book and the program of the event in printed form (which will be constantly updated and improved during the meeting). We orient the participants, therefore, to save the meeting schedule as well as the summary book on their computers, cell phones and / or tablets.

Travel Information

Access to Ollantaytambo takes place from Cusco. Therefore, participants should travel from their cities/countries, when this is the case, to the airport of Lima, Peru, and from there to Cusco. The participants will be received at the airport of Cusco by a reception committee and addressed to the means of transportation that will be offered by the organization of the meeting to make from there their trip to Ollantaytambo. In case the participant wishes to stay longer in Lima, or to visit Cusco and its archaeological sites, please contact the official tourism and travel agency of IWARA 2018 (see information below).

Accommodation

The conference accommodations (including the Cusco Airport/Ollantaytambo/Cusco Airport transportation) is organized by **Peru Travel Platinum**, the official travel agency of the event:

Agencia de Viajes Peru Travel Platinum
Phones: +51 974904579 / +51 84 268887
Address: Urbanización José Carlos Mariatgui D38 Apt 102
Wanchaq, Cusco
http://perutravelplatinum.pe/

Participants must make their own hotel room's reservation directly with Mr. JHOSEPT ARROYO CONDORI. Please send an e-mail message to Mr. Condori (perutravelplatinum@live.com) informing the period in which you intend to stay in Peru, if you want to stay in single or double room, and if you plan to travel with a companion or not. If you want to stay for a longer period in Peru and visit other places, Mr. Condori can also organize the extension of your stay.

Important Information

Ollantaytambo has dozens of hotels, inns, restaurants, cafes. The price range of hotels and inns is very varied. Mr. Condori will soon make available on the website of his agency a list of hotels recommended by him, organized in three price and quality ranges. The local currency is the Nuevo Sol (1 Nuevo Sol = 0.3089 USD).

