

# **XVI MEXICAN WORKSHOP ON PARTICLES AND FIELDS**

**Puerto Vallarta, Jalisco, México, October 22-27, 2017**

## **First Bulletin**

The Mexican Workshop on Particles and Fields (MWPF) is a biennial meeting organized by the Division of Particles and Fields of the Mexican Physical Society designed to gather specialists in different areas of high energy physics to discuss the latest developments in the field.

### **The topics to be covered in the XVI MWPF are:**

#### **I. Physics Beyond the Standard Model (BSM)**

- Beyond the Standard Model (theory and experimental searches).
- Astroparticles.
- Cosmology.
- Dark matter and dark energy.
- Strings.
- QFT fundamentals.

#### **II. Hadronic Matter (HM)**

- Perturbative QCD, Jets and Diffractive Physics.
- Hadronic Structure, soft QCD, Spectroscopy.
- Heavy Ion Collisions and Soft Physics at Hadron Colliders.
- Lattice Results.

#### **III. Flavor Physics (FP)**

- Quark masses and mixing.
- Electroweak Symmetry Breaking.
- Heavy quark physics.
- Neutrino physics.
- CP violation, CKM and rare decays.

There will be a set of plenary invited one-hour review talks, thirty minutes contributing plenary talks, twenty-minutes contributions to the parallel thematic sessions (BSM, HM, FP) and contributions to the poster session.

## Venue

The XVI edition of the MWPF will be held in Puerto Vallarta, México, from October 22 to 27, 2017. Puerto Vallarta is one of the most important and secure touristic city on the pacific coast of México. It is a very well communicated city by car, aircraft and bus. It has an international airport with direct flights of many cities in Mexico, as well as, international flights. Also, there are several bus runs from Guadalajara (Nueva Central de Autobuses). Puerto Vallarta is located at 329.3 km to the west from Guadalajara, the second main city of Mexico, so it is possible take bus from any city of Mexico to Guadalajara, and then move to Puerto Vallarta.

## Accommodation

The MWPF will be hosted by the *Hotel Westin Resort & SPA with own beach (diamond category with H distinctive on food)*. More information on the hotel and the city of Puerto Vallarta can be found in: <http://www.westinpuertovallarta.com/es> and <http://visitapuertovallarta.com.mx/>.

There will be preferential rates for the attendants of the XVMWPF according to the following modality or plans (in an "Integral Plan" per day per person):

- A) Single Occupancy: MXN 2700.00 (5 days = MXN 13,500)
- B) Double Occupancy: MXN 2185.00 (5 days = MXN 10, 925)
- C) Triple Occupancy: MXN 1841 (5 days = MXN 9,205)

The fare includes: Conference Fee, high velocity internet on meeting hall, and power for every computer, taxes, registration, lodge, food, beverages, welcome cocktail, conference dinner, continuous coffee break, and meeting welcome kit.

D) For people interested on all that the fare offers but excluding lodge, there is a fee of MXN 1800 per day per person (MXN 9000 in total).

E) For people not interested on the plan (what fare includes), they must pay a total fee of MXN 5000 to pay welcome cocktail, conference dinner, coffee breaks, and registration.

As promotion of the hotel, for 3-days before and after the meeting, the hotel offer this fares (per day, per person, integral plan):

- A) Single Ocupacy: MXN 2350.00
- B) Double Ocupacy: MXN 1835
- C) Triple Ocupacy: MXN 1491

General fares for child's: Child 0-4 years old = free, child's 5-12 years old = MXN 750, children older than 13 years old = MXN 1491.

## **Registration and Payment:**

Participants can go to the event indico Webpage at <https://indico.cern.ch/event/623479/overview> and fill registration form. For payment information, at this moment, write an email to [xvimwvf@gmail.com](mailto:xvimwvf@gmail.com), with subject: "XVI\_MWPF Plan", and indicating on the body text:

*Full Name:*

*Institution:*

*Kind of Plan (A to E according last section):*

*Check-in and Check-out days (including if you want to stay before / after the meeting):*

Invoices are available. It is possible to get one from hotel (lodge following the plan) and other for meeting fee.

**Deadline for registration and payment: September 1, 2017.**

## **Organizing committee**

- Arturo Fernández Téllez (BUAP, General Chairman)
- Eduard de la Cruz Burelo (CINVESTAV, General Co-Chairman)
- Eduardo de la Fuente Acosta (U de G, LOC-Chairman )
- Irais Bautista Guzmán (CONACYT, BUAP)
- Mario Rodríguez Cahuantzi (BUAP)
- Juan Barranco Monarca (UGTO)
- Salvador Carrillo Moreno (IBERO)
- Ivan Heredia de la Cruz (CINVESTAV)
- Pablo Roig Garcés (CINVESTAV)
- Karen Salomé Caballero Mora (UNACH)

Tentative program (explicit program by October at the website): TBA

**Invited review talks: TBD**

**Invited plenary talks: TBD**