

XXXVI
Annual Meeting of the DPyC-SMF
September 8-10, 2022

ORGANIZING COMMITTEE

Olga Félix Beltrán, (FCE-BUAP, Chair)
Isabel Pedraza Morales, (FCFM-BUAP)
Mario Rodríguez Cahuantzi, (FCFM-BUAP)
Félix González Canales, (FCE-BUAP)
Juan Barranco Monarca, (UG, Vice-President of DPyC-SMF)
Estela A. Garcés, (UNAM)
Javier Murillo Quijada, (UNISON)
Karen S. Caballero Mora, (FCFM-UNACH, President of DPyC-SMF)

Preface

The Division of Particles and Fields of the Mexican Physical Society organizes an annual meeting DPyC-SMF (RADPyC). The main objective of this event is to encourage graduate students and young postdocs to present their research on High Energy Physics. Additionally, recognized invited speakers at the national and international level, present review talks on diverse hot topics in the field. The meeting in 2022 was held as a virtual event due the Covid-19 pandemic and organized by the following institutions: Benemérita Universidad Autónoma de Puebla (BUAP), Universidad Nacional Autónoma de México (UNAM), Universidad de Guanajuato (UG), Universidad de Sonora (UNISON), and Universidad Autónoma de Chiapas (UNACH). The event ran from September 8th to the 10th. The scientific program covered the following areas: Astroparticle Physics and Cosmology, Neutrinos and Dark Matter, QCD and Hadron Physics, Physics Beyond the Standard Model, Electroweak and Flavor Physics, Quantum Field Theory, Instrumentation, Computational and Accelerators Physics. A total of 10 invited talks, 33 contributed talks, and 10 posters were presented. During the event the two best posters were selected for Best Poster and Honoric Mention awards, and the DPyC 2022 Medal was awarded to Dr. Christophe Royon.

XVIII
Mexican Workshop on Particles and Fields of the DPyC-SMF
November 21-25, 2022

ORGANIZING COMMITTEE

Olga Félix Beltrán, (FCE-BUAP)
Héctor Novales, (FCFM-BUAP)
Mario Iván Martínez, (FCFM-BUAP)
Guillermo Tejeda, (FCFM-BUAP)
Heber Zepeda, (FCFM-BUAP)
Arturo Fernández (VIEP-BUAP)
Karen S. Caballero (FCFM-UNACH, President of DPyC-SMF)
Juan Barranco Monarca (UG, Vice-President of DPyC-SMF)
Eleazar Cuautle (ICN-UNAM)
Lizardo Valencia (UNISON)
Roger Hernández (FCFM-UAS)
Luis Manuel Montaña (CINVESTAV)
Mario Rodríguez Cahuantzi (FCFM-BUAP, Chair)

Preface

The Mexican Workshop on Particles and Fields DPyC-SMF (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 XVIII edition of the MWPF was held (with a hybrid format) in Puebla city, Mexico, from November 21th to 25th, 2022. This event was hosted by Facultad de Ciencias Físico Matemáticas, Benemérita Universidad Autónoma de Puebla in Sala de Proyecciones, Edificio Carolino. The topics covered were Higgs Physics, Beyond the Standard Model, Neutrinos, QCD and Hadronic Physics, High Energy Heavy Ion Collisions, Future Experiment, Particle Detectors, Flavour Physics, Astroparticle Physics, HEP Applications in the Industry. A total of 101 contributions were presented.