

Session Program

2-6 Dec 2024

**9th ComHEP: Colombian Meeting on High
Energy Physics**

Theory/Phenomenology

Wednesday 4 December

09:00

Theory/Phenomenology

Session | Location: Hotel Sindamanoy - Laguna de la Cocha | Convener: Dr Richard Benavides

09:00–10:00 Flavor in Finite Grand Unified Theories.

Speaker

Myriam Mondragon

10:00–10:25

IMPLEMENTACIÓN DE LOS PAQUETES SARAH Y SPHENO EN MODELOS DE FÍSICA DE PARTÍCULAS

Speaker

Amelia Ruales

10:25–10:55 Break

10:55–11:20 Precise Theoretical Predictions of the Electroweak Observables

Speaker

Dr Edilson Alfonso Reyes Rojas

11:20–11:45

PARAMETRIZACIÓN DEL VÉRTICE Y DEL PROPAGADOR EN RESONANCIAS DE SPIN 3/2 PARA EL ESTUDIO EN LA DISPERSIÓN DE PION Y NUCLEÓN

Speaker

David Andres Pedroza Vasquez

11:45–12:00

Thermal and Magnetic Fluctuations in QED: Implications for Symmetry, Particle Mass, and Heavy-Ion Collisions

Speaker

Jorge David Castaño-Yepes

12:00–12:25

Decay of the Higgs Boson into a Z boson - Photon Pair in the Standard Model and Beyond

Speaker

Cristian Alexis López Alvernia

12:25