

Session Program

2-6 Dec 2024

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

Dark Matter

Monday 2 December

14:00

Dark Matter

Session | **Location:** Auditorio Bloque 1 Sur | **Conveners:** Oscar Zapata, Carlos E. Yaguna

14:00–15:00

Direct dark matter detection: leaving no stone unturned

Speaker

David Cerdeño

15:00–15:25

A new scenario for singlet Dirac dark matter

Speaker

Carlos E. Yaguna

15:25–15:50

Secluded dark matter

Speaker

Prof. DIEGO ALEJANDRO RESTREPO QUINTERO

15:50–16:15

Probing low-reheating scenarios with minimal freeze-in dark matter

Speaker

Oscar Zapata

16:15–16:45

Break

16:45–17:10

Dark matter production through gluon fusion mediated by the Higgs boson.

Speaker

Omar Rafael Torrijo Gonzalez

17:10–17:35

No-Go Dark Energy from Generalized SU(2) Proca Theories

Speaker

SANTIAGO GARCIA SERNA

17:35–18:00

Collider feasibility of the dynamical scotogenic model

Speaker

Gustavo Ardila

18:00–18:15

Effective Models for Scalar Dark Matter with Z_{2n} symmetries

Speaker

Simón González Gómez

18:30