

Session Program

2-6 Oct 2023

**L International Meeting on Fundamental
Physics and XV CPAN days**

CPAN - Session Fisica Teórica

Palacio de la Magdalena, www.palaciomagdalena.com
Santander, Cantabria

Monday 2 October

15:00

CPAN - Session Fisica Teórica: Bloque 1

Session | **Location:** Palacio de la Magdalena, Aula Infantes

15:00–15:30 **QCD+QED simulations with C* boundary conditions**

Speaker

SARA Rosso

15:30–16:00 **Cosmic Acceleration from Supermassive Black Hole growth**

Speaker

Prof. Juan Garcia-Bellido

16:00–16:30 **Gluon TMD fragmentation function into quarkonium**

Speaker

Samuel Fernández Romera

16:30–17:00 **Vector boson production and TMD extraction at N4LL**

Speaker

Ignazio Scimemi

17:00

Tuesday 3 October

09:00

CPAN - Session Fisica Teórica: Bloque 3

Session | Location: Palacio de la Magdalena, Aula Infantes

09:00–09:30 **Determining α_s from Thrust with Power Corrections**

Speaker

Miguel Benitez-Rathgeb

09:30–10:00

Constraining Fragmentation Functions through photon-hadron production

Speaker

Dr German Sborlini

10:00–10:30

SensCalc: public and unified calculations of sensitivities to feebly interacting particles

Speaker

Jean-Loup Tastet

10:30–11:00

Quantum Tomography of helicity states for general scattering processes.

Speaker

Alexander Bernal

11:10