

**Session Program**

18 December 2025

**Quantum Information and Computation for Particle  
Physics day**

***Talks***

Departamento Física Teórica, Seminario Física Teórica 2nd Floor

# Thursday 18 December

09:00

## Talks: Talks

Session | Location: Departamento Fisica Teorica, Seminario Fisica Teorica 2nd Floor

09:00–09:20 **Presentation and overview of quantum computation in hadron physics**

**Speaker**

Felipe J. Llanes-Estrada

09:20–09:50 **Quantum entanglement negationism**

**Speaker**

Juan Antonio Aguilar Saavedra

09:50–10:20 **Quantum algorithms for bosonic Hamiltonians and applications to lattice field theory**

**Speaker**

Gloria Tejedor Garcia

10:20

14:30

## Talks

Session | Location: Departamento Fisica Teorica, Seminario Fisica Teorica 2nd Floor

14:30–15:30

**Quantum Information in Scattering: from production at future colliders to the structure of fundamental interactions**

**Speaker**

Sokratis Trifinopoulos

15:30–16:20 **What is a particle in curved spacetime? Groupoids.**

**Speaker**

L. Alberto Ibort

16:30