

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

10:50

Talks

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

10:50–11:40 **Quantum Colliders**

Speaker

Juan Ramón Muñoz de Nova

11:40–12:10 **Simulation of fragmentation functions on Quantum Computers**

Speaker

Juan José Gálvez Viruet

12:10–12:40 **Entanglement: A possible source of information on nuclear structure**

Speaker

Youssef KHLIFI

12:40–13:00 **Towards quantum simulation of strongly interacting matter in neutron stars**

Speaker

Nahia J. Dios Bilbao

13:00