

# 1 Program

9:15h arrival, welcome

9:30h LUDOVIC JAUBERT: Introduction to spin liquids

10:00h GONZALO MUGA: Shortcuts to adiabaticity, overview and case examples (+short presentation of EHU Quantum Center)

10:35h ARAN GARCÍA-LEKUE: Towards spin qubits in graphene nanostructures

11:05h coffee break

11:35h IÑIGO EGUSQUIZA: Introduction to superconducting circuits

12:05h RUBEN ESTEBAN: Quantum plasmonics

12:35h JEAN-BAPTISTE TREBBIA: Tailoring the superradiant and subradiant nature of two coherently coupled quantum emitters

13:05h short presentations of participating centers and initiatives

- VINCENT MÉNORET: NAQUIDIS
- LUDOVIC JAUBERT: Quantum Matter Bordeaux
- RICARDO DÍEZ MUIÑO: IKUR strategy
- DANIEL SÁNCHEZ-PORTAL: Centro de Física de Materiales (CFM)
- ARAN GARCÍA LEKUE: Donostia International Physics Center (DIPC)
- IÑIGO ARIZAGA: Tecnalia

13:40h lunch break and poster session

15:45h MIGUEL MORENO UGEDA: Collective excitations in two-dimensional quantum materials probed at the atomic scale

16:15h VINCENT MÉNORET: Cold atom gravity sensors for field applications

16:45h JOSÉ IGNACIO PASCUAL: Spins in engineered graphene nanostructures (+ short presentation of CIC nanoGUNE)

17:20h conclusion