

ECFA-UK Meeting on UK studies for the European Strategy Particle Physics Update

Tuesday, 24 September 2024

Quantum Technologies for Fundamental Physics: QTFP (16:00 - 18:00)

-Conveners: Sarah Williams; Ruben Saakyan; Ian Shipsey; Ed Daw

| time | [id] title | presenter |
|-------|---|--------------------|
| 16:00 | [33] Theory Overview | HARDY, Ed |
| 16:20 | [34] Quantum Sensing for Axions/ALPs/sub-GeV DM | DAW, Ed |
| 16:40 | [35] Quantum Sensing with Interferometry (laser and atom) for Gravitational Waves, Ultra Light Dark Matter, Tests of Quantum Mechanics and more | MITCHELL, Jeremiah |
| 17:00 | [36] Quantum Sensing for Neutrino Mass, Black Holes, Early Universe Phase Transitions | WATERS, David |
| 17:20 | [37] Quantum Technologies for Fundamental Physics Panel Discussion | SHIPSEY, Ian |