



# PPTAP Detectors Workshop

## Thursday, 3 June 2021

### Quantum Technologies (10:00 - 12:00)

-Conveners: Kai Bongs

time	[id] title	presenter
10:00	[4] Welcome	BONGS, Kai
10:02	[5] Quantum Technologies for Fundamental Physics Overview & ECFA Roadmap TF5 "Quantum sensors"	Prof. SHIPSEY, Ian
10:17	[6] Quantum Sensors for the Hidden Sector	DAW, Edward
10:24	[7] Atom Interferometer Observatory and Network	BUCHMUELLER, Oliver
10:31	[8] Quantum Sensor Network	Dr BARONTINI, Giovanni
10:38	[9] Quantum Enhanced Technologies for Dark Matter and Cosmology - QUEST-DMC	CASEY, Andrew
10:45	[10] Quantum Technology for Neutrino Mass	SAAKYAN, Ruben
10:52	[11] Quantum Simulations for Fundamental Physics	WEINFURTER, Silke
10:59	[12] Quantum-enhanced Interferometry	GROTE, Hartmut
11:06	[13] ALPHA@CERN	ERIKSSON, Stefan
11:13	[14] Collective Excitations for Fundamental Physics	FUENTES-GURIDI, Ivette