

Quantum Technologies for Fundamental Physics

Tuesday, September 5, 2023

Tests of Quantum Mechanics: Session 1 (9:00 AM - 10:30 AM)

-Conveners: David Kaplan

time	[id] title	presenter
9:00 AM	[55] Test of Causal Non-Linear Quantum Mechanics by Ramsey Interferometry on the Vibrational Mode of a Trapped Ion	RAJENDRAN, Surjeet
9:25 AM	[56] Towards tests of causal nonlinear quantum mechanics using light-pulse atom interferometry	MAKARAND DESHPANDE, Tejas
9:50 AM	[57] Cryogenic test runs in preparation for NLQM searches	MELNYCHUK, Alex
10:15 AM	[58] Discussion	

Tests of Quantum Mechanics: Session 2 (11:30 AM - 1:00 PM)

-Conveners: Surjeet Rajendran

time	[id] title	presenter
11:30 AM	[59] Experimental measurement of the Bell parameter with a Single entangled pair	GENOVESE, Marco
11:55 AM	[60] Quantum metrology of noisy spreading channels	MACCONE, Lorenzo
12:20 PM	[78] Francesco Muia - GW	MUIA, Francesco
12:45 PM	[61] Discussion	