



# International Conference on Quantum Technologies for High-Energy Physics (QT4HEP22)

## Tuesday, November 1, 2022

**Simulation & Theory - 500/1-001 - Main Auditorium (9:30 AM - 1:00 PM)**

-Conveners: Elina Fuchs

time	[id] title	presenter
9:30 AM	[12] Quantum theory for HEP	LYKKEN, Joseph
10:00 AM	[15] Quantum simulation and machine learning	SPANNOWSKY, Michael
10:30 AM	[14] Quantum Computing and Simulation	BAUER, Christian Walter
11:00 AM	Coffe break	
11:30 AM	[16] Quantum simulation of collective neutrino oscillations	ROGGERO, Alessandro
12:00 PM	[13] Quantum computing for lattice gauge theories	LI, Ying Ying
12:30 PM	[50] Quantum sensing theory and fundamental backgrounds	BLAS, Diego