



# Quantum Technologies within INFN: status and perspectives

## Monday, 20 January 2020

### Session I: Landscape and keynotes - Archivio Antico del Bo (14:15 - 17:45)

-Conveners: Raffaele Tripiccione; Paolo Olivero

time	[id] title	presenter
14:15	[11] Theoretical foundations of Quantum Information	D'ARIANO, Giacomo
14:45	[12] Quantum computation and simulation and their application to High Energy Physics.	MONTANGERO, Simone
15:15	[21] Quantum metrology, sensing & imaging	GENOVESE, Marco
15:45	Coffee break	
16:15	[13] Status and perspectives of Quantum Sensing in Particle Physics	GRASSELLINO, Anna
16:45	[14] Ion beam techniques for the development of solid-state quantum devices	MEJIER, Jan
17:15	[15] Satellite Quantum Communication	Prof. VILLORESI, Paolo