

# PHYSICS

## INRiM - Quantum measurement (1)

<b>Funded By</b>	I.N.R.I.M. - ISTITUTO NAZIONALE DI RICERCA METROLOGICA [Piva/CF:09261710017]
<b>Supervisor</b>	BUFALINO STEFANIA - stefania.bufalino@polito.it
<b>Contact</b>	Marco Genovese Ivano Ruo Berchera
<b>Context of the research activity</b>	Study of quantum enhanced measurements in optical domain.
<b>Objectives</b>	The student will acquire know-how in the field of quantum metrology, imaging & sensing, by collaborating on an experiment in quantum optics addressed to improve optical measurements by exploiting peculiar properties of quantum optical states, such as entanglement.
<b>Skills and competencies for the development of the activity</b>	We are looking for candidates with a degree in Physics or Electronic engineering or equivalent.