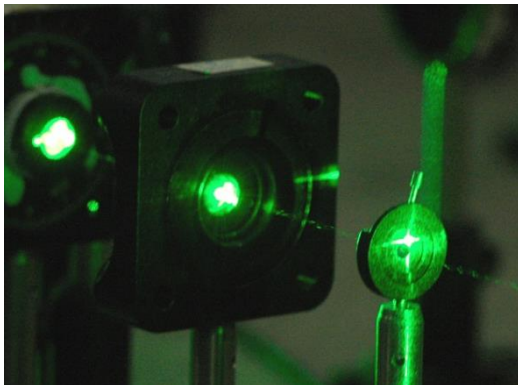


INRIM **Istituto Nazionale di Ricerca Metrologica**

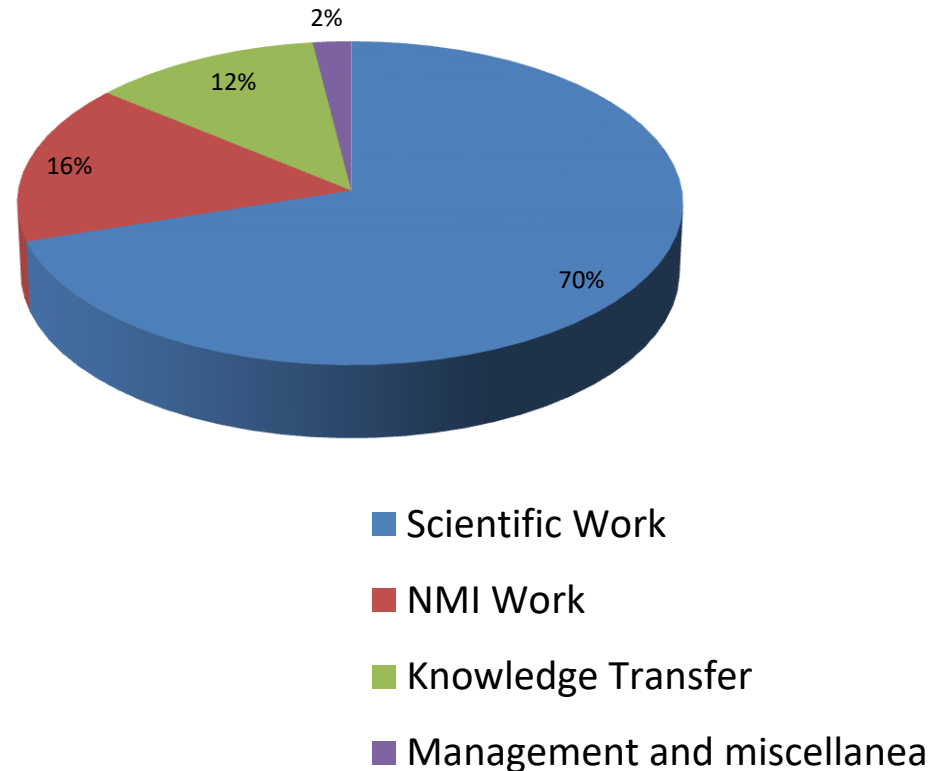
Torino, 12 July 2018



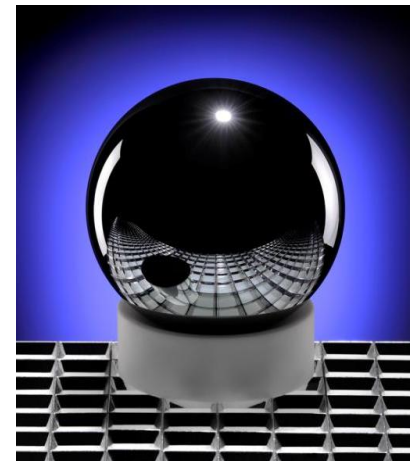
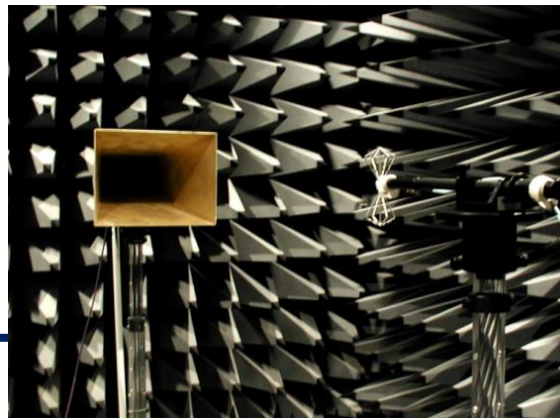
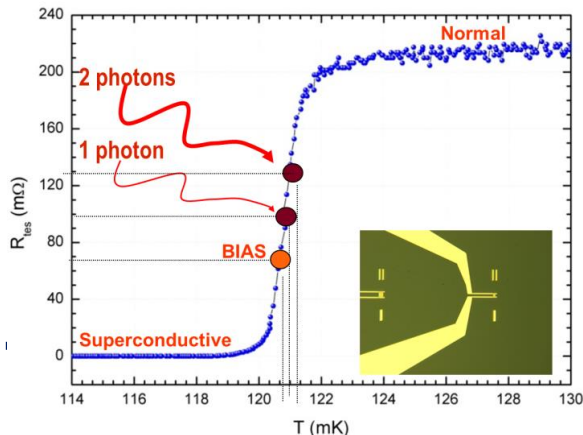
Public research institute under the Ministry of University and Research tasked to

- Carry out scientific research focused on metrology, materials science and technologies.
- Underpin the SI System.
- Disseminate and transfer scientific results, technology and know-how to scientific, industrial and end users.

Human resources, 2015



- Campus of 130,000 m² with > 80 labs
- Physics, nanoscience and material science
- Metrology for energy, environment, industry
- ~210 staff + 80 temporary (post-doc)
- € 30m annual budget
- ~50 (MS + PhD) theses
- > 100 funded projects, mostly under H2020 and EMPIR



- **Temperature and Humidity primary standards**
 - ITS-90 realization
 - Boltzmann constant & the new Kelvin
 - Radiation thermometry
 - Humidity standards
- **Temperature, Humidity & Moisture applied research**
 - Industrial thermometry and its application
 - Acoustic, dielectric & WGM thermometry
 - RH, water activity & moisture in materials
- **Thermophysical Quantities**
 - Spectral emissivity & radiative heat flux
 - Speed of sound, density & heat capacity
 - Water vapor pressure, density & viscosity