## LNF Mini-Workshop Series



October 23rd, 2014 — Aula Bruno Touschek

## **Fundamental and Quantum Physics with Lasers**

## Abstract:

After 54 years since their invention, lasers are nowadays used in a wide variety of applications, including, exactly 50 years ago, precision laser tracking of satellites and the Moon. This workshop is dedicated to fundamental research that benefits from laser application: from quantum communication to new accelerator techniques, from space geodesy and lunar physics to gravitational physics (including detection of gravitational waves, precise measurements of G, the Newton constant, of Gdot/G, of the PPN beta and more). This workshop is conceived also in preparation of the "International Year of Light and Light-based Technologies (IYL 2015)



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