

## LIGHT AND LUMINOSITY - Inauguration International Year of Light



Contribution ID: 1

Type: **not specified**

### LIGHT and LUMINOSITY, from Einstein to LHC

*Wednesday 4 February 2015 20:30 (1h 30m)*

After an introduction on the concept of light in physics, this talk will focus on CERN's High Luminosity LHC project, aiming at extending the discovery potential of CERN's flagship accelerator by increasing its "luminosity" (ie the number of particles that can be squeezed inside the accelerator to maximize the number of collisions). To achieve this objective, many new technologies are being developed at CERN and many collaborating institutes worldwide, especially in the field of superconductivity. Lucio Rossi, the main speaker, is the head of the HL-LHC project, based at CERN. Giorgio Apollinari, Director for the LHC Accelerator Research Program (LARP) will speak through a videoconference from Fermilab (USA). The event is webcast live and will be followed by Fermilab and other institutes in the USA.

**Primary author:** Prof. ROSSI, Lucio (CERN)

**Co-author:** APOLLINARI, Giorgio (Fermi National Accelerator Lab. (US))

**Presenters:** APOLLINARI, Giorgio (Fermi National Accelerator Lab. (US)); Prof. ROSSI, Lucio (CERN)