

Science Colloquia

Sala Conferenze, DFA
06/05/2025 h 14:45

The successful detection of Gravitational Waves ten years ago has started a new way to study the Universe. Since the first observation the interferometers LIGO, Virgo and Kagra, have been improved and are currently taking data until October. Upgrade are foreseen for the next observation run expected to start in the end of 2027. A new generation of GW detectors, ground-based and in space, is expected to take date in the next decades. The main achievements of GW measurements and future perspective of ground-based interferometers will be presented.

I Science Colloquia del DFA "Ettore Majorana", sono appuntamenti con la scienza dedicati a Ricercatrici e Ricercatori, Studentesse e Studenti (della Laurea Magistrale in Physics, del terzo anno della Laurea Triennale in Fisica, e dei Dottorati al DFA) interessati a condividere argomenti ed esperienze di ricerca. I Science Colloquia, coordinati dai Proff. Giuseppe Falci e Livio Lamia, si tengono con cadenza mensile.

Status and perspective of ground-based Gravitational Wave facilities

**Massimo Carpinelli
(UniMIB)**



**FISICA E ASTRONOMIA
"ETTORE MAJORANA"**

