

Mercoledì 6 febbraio alle ore 15.00 in Sala Lauree si terrà il
seminario della vincitrice della procedura selettiva per RTDB SC 02/A1 Dr.ssa Irene Di Palma

Title: KM3NeT detector and the Multimessenger Astronomy

Abstract: The multimessenger approach to astronomy makes use of the messenger particles of all four of nature's fundamental forces to explore and understand the most violent phenomena in the universe, such as GRBs, AGNs and supernova. A number of novel astronomical observatories are now operational or under construction providing access to cosmic probes such as neutrinos (IceCube/KM3NeT), gravitational waves (LIGO/VIRGO), charged particles (AUGER/TA) and photons (HESS, CTA, HAWC, Fermi/Swift, etc.). In this multimessenger environment, the KM3NeT neutrino telescope, complementary to IceCube, is capable to improve the detection due to both its position, suitable to search for sources in the galactic center, and better angular resolution. In fact, due to its full sky coverage and 100% duty cycle KM3NeT is ideally suited for the detection of transient astrophysical sources of neutrinos.