

"Supernovae, Hypernovae and Binary Driven Hypernovae"

An Adriatic workshop

June 20 - 30, 2016 - ICRANet Headquarters, Pescara, Italy

The scientific meeting will take place at the ICRANet headquarters in Pescara, Italy from 20 to 30 of June, 2016. The meeting will cover observational activities in the X, gamma ray astronomy, ultra-high energy cosmic rays (UHECR), as well as theoretical progress in the relativistic astrophysics of neutron stars, black holes, and gravitational collapse and their role in type Ib/c supernovae, hypernovae, binary-driven hypernovae, and their association with gamma-ray bursts. The meeting will also cover theoretical and observational aspects on the progenitor systems, population synthesis analyses, and the occurrence rates of such events. Different scenarios for type Ia supernovae and the role of white dwarfs in the single-degenerate, the core-degenerate and double-degenerate scenarios will be discussed. Attention will also be given to dark matter candidates including WIMPs in the GeV region as well as neutrinos of different species in the 30-100 keV region and their detectability in galactic halos.

Registration deadline: May 15, 2016 - Registration Fee: 200 Euro

Website: <http://www.icranet.org/am>

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