

Dark Matter particles in the galactic halo

Rtia Bernabei
Università and INFN Roma Tor Vergata
Roma, Italy

The present status of direct detection of Dark Matter (DM) particles will be summarized, with particular care to the DAMA model-independent DM annual modulation results. Arguments on comparisons will be addressed showing that there is large room for compatibility between positive signals and negative hints, considering both the different exposed materials, the different adopted procedures and techniques, the different experimental observables, the different exposures, the many existing experimental and theoretical uncertainties and the widely open scenarios for astrophysical, particle and nuclear Physics aspects. Recent results on diurnal investigation will also be introduced. Realistic experimental perspectives will be, finally, addressed with attention to some particular cases.