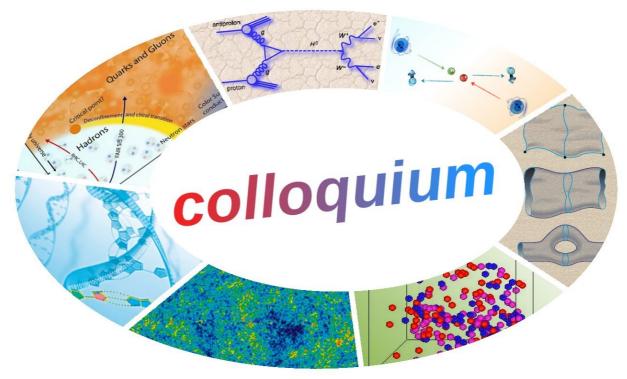


Dipartimento di Fisica e Sezione INFN di Torino





Venerdì 24 Marzo 2017, <mark>ore 11:00</mark>, Sala Wataghin Stefano Camera (Università di Torino)

Fundamental cosmology with multi-wavelength synergies

'Synergy' means 'the interaction of two or more agents to obtain a combined effect greater than the sum of their separate effects'. With this in mind, in this talk I shall present my current lines of research, all relying on developing novel combinations of astrophysical and cosmological observables to the aim of testing the foundations of the concordance cosmological model. Specifically, I shall discuss cosmological tests of gravity and inflation on the largest cosmic scales, indirect detection of particle dark matter signatures, and studies of dark energy and modified gravity models.