



Venerdì 21 Aprile 2017, ore 14:30, **Sala Wataghin**

**Joseph Silk
(IAP and JHU)**

The limits of cosmology

One of our greatest challenges is understanding the nature of dark matter. Another is the origin of the structure of the universe, and in particular the formation of the galaxies. I will describe the progress of our search for dark matter by direct and indirect techniques. I will describe how the fossil radiation from the beginning of the universe, the cosmic microwave background, has provided a window for probing the initial conditions from which structure evolved and seeded the formation of the galaxies, and the outstanding issues that remain to be resolved. I will address our optimal choice of future strategy in order to make further progress on understanding our cosmic origins.