## Speaker: A. Ashoorioon

Title: Extended EFT of Dark Energy

Abstract:

We study the ghost condensate (GC) with sixth-order dispersion relation. Contrary to the GC with quartic dispersion relation, we find that the correction to the Newtonian potential explicitly depends on the space and time dependence of matter density. At late times when the Newtonian potential becomes time-independent, one obtains similar oscillatory behavior at the distance  $\frac{1}{M^2}$ , but this time at the time scale  $\frac{1}{M^2}$ , where  $\frac{1}{M^2}$ , where  $\frac{1}{M^2}$ , but this time at the time scale  $\frac{1}{M^2}$ , where  $\frac{1}{M^2}$ ,  $\frac{1}{M^2$