



Friday 8 July, 15:05 – 15:30

Session 15: Neutrino cosmology

Sterile neutrinos as WDM and the 3.5 keV x-ray line

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I will briefly review what do we know about possible properties of DM particles from observations and will discuss how super-weakly interacting particles overcome the difficulties of the SM neutrino as DM candidate. I will discuss sterile neutrinos as an example of this scenario and will review the current observational status of this DM candidate.