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Co-genesis in a dark sector

Thursday 1 December 2022 14:00 (40 minutes)

A dark sector with its internal structure can generate the observed dark matter abundance and baryon asymmetry and thus addresses the coincidence between the two. This talk focuses on the framework in which non-vanishing chemical potentials may grow in such a dark sector, leading to a rich phenomenology. I will discuss the models and the relevant phenomenological predictions, including dark matter detection signals, as well as potential effects on cosmology.

Presenter: CHU, Xiaoyong

Session Classification: DM pheno and experiments