COSMO-15, the 19th annual International Conference on Particle Physics and Cosmology



Contribution ID: 77 Type: not specified

Cogeneration and Pre-annihilation of Dark Matter by a New Gauge Interaction

Thursday 10 September 2015 14:20 (20 minutes)

Sphalerons of a new non-Standard Model gauge interaction can cogenerate dark matter and baryonic matter. They can also wipe out the symmetric component of the dark matter by a process of "pre-annihilation.

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Session Classification: Dark Matter