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## Relic abundance of the lightest Kaluza-Klein particle in phenomenological universal extra dimension models

Wednesday 17 January 2018 15:30 (30 minutes)

We discuss the thermal relic abundance of the lightest Kaluza-Klein (KK) particle in phenomenological universal extra dimension models. We point out that its thermal relic abundance depends significantly on the mass degeneracy between the KK-photon and other KK particles because of considerable coannihilation effects.

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