



Contribution ID: 19

Type: **not specified**

## Massive Kalb-Ramond field as Feebly-interacting dark matter

*Wednesday 24 July 2024 16:05 (25 minutes)*

The Kalb-Ramond (KR) field is an antisymmetric rank two tensor that appears in the context of string theory. In this work, we consider the massive KR field as a dark matter candidate and we study its production via the FIMP mechanism through the Higgs portal. We find that the KR field gives account for the relic density of dark matter today for a wide range of masses.

**Presenter:** Dr LONGAS, Robinson (UdeA)