



Contribution ID: 79

Type: **Oral**

Dark Matter Models for the Galactic Center Excess

Monday 7 August 2017 16:45 (15 minutes)

The origin of the Galactic Center Gamma-Ray excess still remains unclear. Astrophysical interpretations have been proposed, but these explanations require either a significant degree of tuning or a large population of millisecond pulsars that have a very different population than that observed in globular clusters or near the Milky Way. If the dark matter annihilation interpretation is assumed, one should expect additional signatures at colliders and at direct detection experiments. In this talk I will present the current constraints on dark matter models that are able to successfully explain the Galactic Center excess.

Primary authors: ESCUDERO, Miguel (IFIC-University of Valencia); Prof. HOOPER, DAN (Fermilab); Dr WITTE, Sam (UCLA & IFIC, U.Valencia)

Presenter: ESCUDERO, Miguel (IFIC-University of Valencia)

Session Classification: Dark matter

Track Classification: Dark matter (direct detection, indirect detection, theory, etc.)