



Contribution ID: 11

Type: **Lightning Talk + Poster**

Dark Matter Direct Detection in t-channel mediator models

Monday 22 April 2024 14:42 (3 minutes)

We propose a comprehensive study of the Direct Detection phenomenology of singlet Dark Matter t-channel portal models. For that purpose, we present a complete computation of the loop induced direct detection cross-section for both scalar and fermionic Dark Matter candidates. We complete the study by comparing the results with current and future bounds from Direct Detection experiments and requiring the correct Dark Matter relic density.

Authors: CABO ALMEIDA, David (University of Messina (Italy)); Prof. MESCIA, Federico (INFN - Laboratori Nazionali di Frascati); Dr ARCADI, Giorgio (University of Messina (Italy)); VIRTO, Javier (Universitat de Barcelona)

Presenter: CABO ALMEIDA, David (University of Messina (Italy))

Session Classification: Afternoon Session