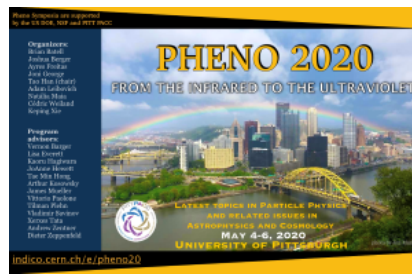


# Phenomenology 2020 Symposium



Contribution ID: 966

Type: **Parallel Talk**

## A universal framework for t-channel dark matter models

Monday 4 May 2020 16:30 (15 minutes)

We present a unique general framework allowing for all simulations relevant for simplified t-channel dark matter models at colliders and for the complementary cosmology calculations. We describe how to match next-to-leading-order QCD fixed-order calculations with parton showers to derive robust bounds and predictions in the context of LHC dark matter searches.

### Summary

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**Session Classification:** Tools

**Track Classification:** Tools & Software