

# Phenomenology 2021 Symposium



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Type: **Cosmology**

## DarkFlux: a new dark matter phenomenology tool

*Tuesday 25 May 2021 17:30 (15 minutes)*

I introduce DarkFlux, a new tool for the analysis of indirect detection in general Dark Matter models. This tool can compute the flux spectrum for next generation models where Dark Matter annihilates to multiple sets of Standard Model particles. It computes and plots the annihilation ratios scanning over dark matter masses, computes and visualizes the total flux spectrum, and compares models to a set of experimental constraints setting a limit on DM mass for generic user generated models.

### Summary

**Presenter:** CARPENTER, Linda (Ohio State University)

**Session Classification:** Cosmology IV