

## Recasting DM direct detection results

*Tuesday, December 13, 2022 11:20 AM (20 minutes)*

Searches for dark matter scattering in direct detection experiments are commonly reported for only a limited set of interactions and theory parameters. As experiments construct more complex analysis techniques with several analysis dimensions, approximating results for alternate signal models can become more difficult. In this presentation, I will review some typical direct detection analyses, and discuss cases where experiments have released data that allows easy reinterpretation, and, recently, an approximate likelihood for XENON1T nuclear recoil searches.

**Presenter:** MORÅ, Knut (Columbia University)

**Session Classification:** Experiments' reviews