



Contribution ID: 52

Type: **Talk**

## **Status of direct dark matter search and prospectives for ton and multi-ton scale detectors**

*Tuesday 12 June 2018 09:30 (30 minutes)*

The recent decade saw a tremendous improvement of sensitivities in direct searches for dark matter, which keep improving at a rate of about an order of magnitude every couple of years. The major improvements so far have been mostly in scaling up the size and exposure of the experiments, with all of the related challenges. I will review some of the basic rules dominating this line of searches, and will focus on the recent years results and developments of upcoming multi ton (G3) scale experiments, along with some alternative directions.

**Author:** BUDNIK, Ranny (Weizmann Institute of Science)

**Presenter:** BUDNIK, Ranny (Weizmann Institute of Science)

**Session Classification:** dark matter/cosmology