

## Direct Dark Matter Searches: Status and Perspectives

*Monday 12 September 2016 11:30 (30 minutes)*

There is overwhelming indirect evidence that dark matter exists, however, the dark matter particle has not yet been directly detected in laboratory experiments. In order to be able to identify the rare dark matter interactions with the target nuclei, such instruments have to feature a very low threshold and an extremely low radioactive background. They are therefore installed in underground laboratories to reduce cosmic ray backgrounds. I will review the status of direct dark matter searches and will discuss the perspectives for the future.

**Presenter:** SCHUMANN, Marc (University of Bern)

**Session Classification:** Plenary