

Using a Likelihood Fit to identify Radioactive Background Components in the CRESST Experiment

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- CRESST (located at LNGS) searches for **Dark Matter** w/ cryogenic CaWO₄ crystals
- Simulations of **radioactive background**
- Previous normalisation method of spectral templates relies on **secular equilibrium (SE)** assumptions
- Assessment of SE inside the crystal via likelihood-based normalisation method
- ⇒ Can **not** validate SE assumptions!

Poster 044



Session: Applications