Low Radioactivity Techniques (LRT2022)



Contribution ID: 37 Type: Oral Presentation

The Stawell Underground Physics Laboratory

Thursday, June 16, 2022 11:50 AM (20 minutes)

The Stawell Underground Physics Laboratory (SUPL) is a newly built underground facility in regional Victoria, Australia. The laboratory is be located 1024 m underground (~2900 m water equivalent) within the Stawell Gold Mine and construction will be completed in May 2022. The laboratory will house rare event physics searches, including the upcoming SABRE dark matter experiment, as well as measurement facilities to support low background physics experiments and applications such as radiobiology and quantum computing. This talk will present the an overview of the SUPL design and current status, measurements of the laboratory background environment, and aspects of the SABRE construction.

Primary author: BIGNELL, Lindsey (Australian National University)

Presenter: BIGNELL, Lindsey (Australian National University)

Session Classification: LRT 2022 - presentations

Track Classification: Global Underground Laboratories