

# Materials screening at Boulby Underground Laboratory

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The Boulby UnderGround Screening (BUGS) facility is a world-class materials screening lab based at the Boulby Underground Laboratory in North Yorkshire. The facility has been, and continues to be used for screening a wide variety of parts and materials prior to their use in low background experiments in the UK and worldwide. The BUGS facility is continuously improving and currently houses a range of detectors capable of assessing samples of various shapes and sizes through gamma spectroscopy, surface alpha counting, radon emanation measurements, and mass spectrometry. In this talk I will give an overview of the BUGS facility, including recent improvements that have been implemented, and discuss some of the different types of detectors and their applications.

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