

# Boulby Underground Laboratory: Status update and future plans

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At 1100m beneath the earth on the north-east coast of England, the STFC Boulby Underground Laboratory has been involved in the search for dark matter for the past 30 years. However, this only scratches the surface of the science that has been performed at Boulby. Multidisciplinary projects at Boulby include particle and astroparticle physics, geology and geophysics, climate studies, environmental studies and the study of life in extreme environments. The Boulby Underground Laboratory also plays host to the Boulby Underground Screening (BUGS) facility which employs a range of sensitive techniques to characterise the radioactivity of candidate materials for low-background particle physics experiments.

With STFC, We are now planning for a major expansion of our facilities over the next 10 years with the aim of hosting a large scale next-generation astroparticle physics project as well as consolidating and expanding on our multi-disciplinary science programme.

This talk will give details of the current facility and science programme and the future expansion.

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