

# Feasibility Study for Developing the Boulby Underground Laboratory into a Facility for Future Major International Projects

## Aims

- To inform community on what the feasibility study is doing
- To ask for community input to
  - Suggest new candidate experiments which might want use the facility - **this meeting or as soon as possible**
  - Provide comments on existing use cases or other (join team?)
- Objectives
  - Visibility of how study is being done, assumptions made and methods – **this meeting**
  - Gather information to add to or modify study – **next meeting**
  - Improve the feasibility design – **before submission**

Chair (H. Araujo)

14:00 – 14:10 Aims and Objectives (Tim Sumner)

14:10 – 14:30 Boulby Underground Laboratory (Sean Paling)

14:30 – 15:00 Status of Feasibility Study (Tim Sumner)

15:00 – 15:10 Coffee Break

15:10 – 15:30 Background Environment (Vitaly Kudryavtsev)

15:30 – 16:00 Challenges at Boulby (Paul Scovell)

16:00 – 16:10 AION at Boulby (Slides from Oliver Buchmuller)

16:10 – 16:30 DarkSide-LM (Darren Price)

16:30 – 16:45 NEWS-G – (Patrick Knights)

16:45 – 17:00 AIT beyond NEO – (Matthew Malek)

17:00 Close of meeting

## Feasibility Study for Developing the Boulby Underground Laboratory into a Facility for Future Major International Projects

Slides (and recording?) from today will be uploaded to the event site so you can review the information.

<https://indico.kcl.ac.uk/event/152/>

Speakers, please send slides to Chris McCabe who will upload

christopher.mccabe at kcl.ac.uk

<https://www.dropbox.com/request/3o4IIUU8UhWoL0ZfH1D>

## Feasibility Study for Developing the Boulby Underground Laboratory into a Facility for Future Major International Projects

**Next Meeting – 12<sup>th</sup> March 2-5pm** [Note partial overlap with RAS meeting but will work around with individuals]

- Workshop style
  - Meet with ANY experiment proposers to discuss/revisit details
  - Establish facility requirements arising
    - Size
    - Power
    - Materials/processing
    - Specialist UG machining
    - Surface activities
    - ...