



Underground Synergies with Astro-particle Physics: Multi-Disciplinary Studies in the World's Deep Underground Science Facilities

17-19 December 2012 *Durham, UK*
Europe/London timezone

Welcome....

Overview

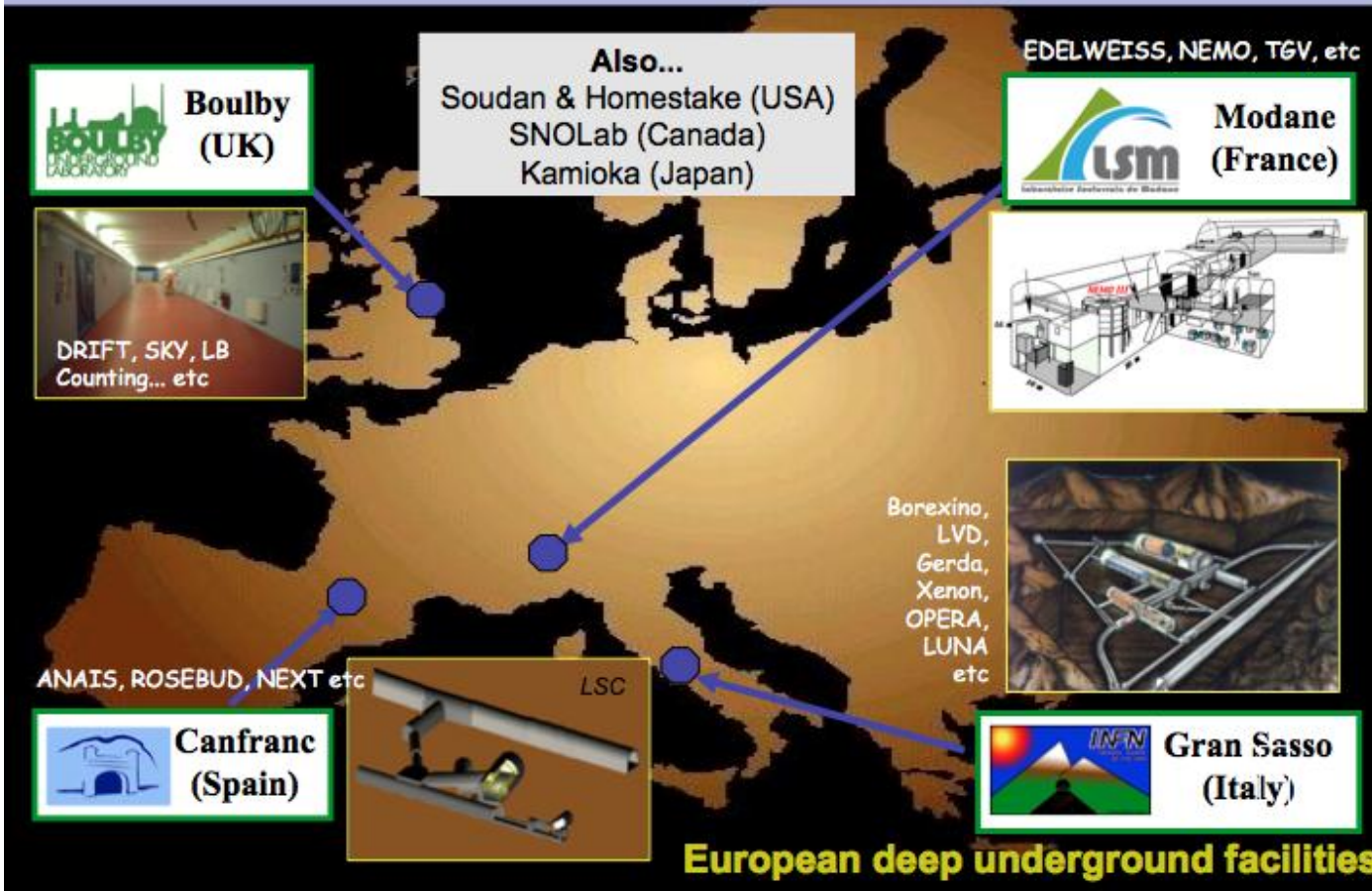
- Workshop Context
- Scientific Committee
- Organising Committee
- Workshop Schedule and Venues
- Speaker Timetable
- Registration
 - Registration Form
- List of registrants
- Transport and Accommodation
- Contact
- Event Poster



An ASPERA-funded 2-day workshop reviewing current and future studies and opportunities in multi-disciplinary deep underground science.

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World Underground Science Sites



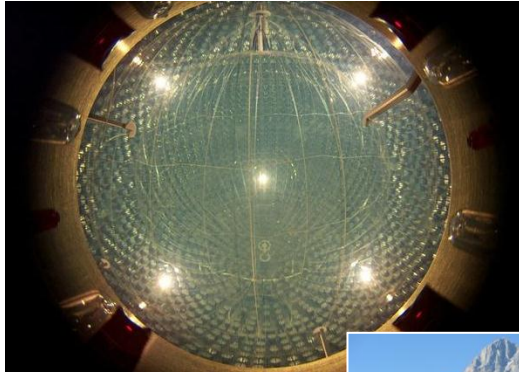
What is this workshop about?

Multi-disciplinary science studies in the world's deep underground laboratories.

'Other studies' - beyond astro & particle physics.

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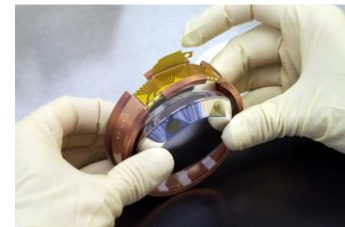
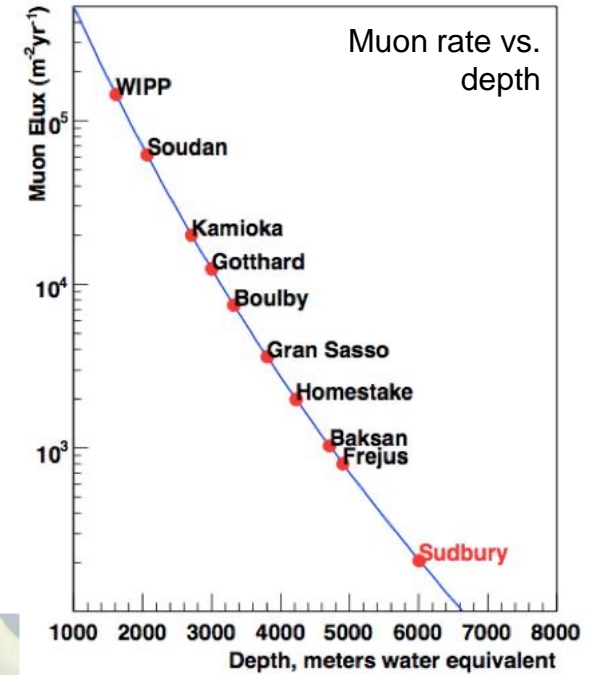


Borexino



NEMO 3

Neutrino studies



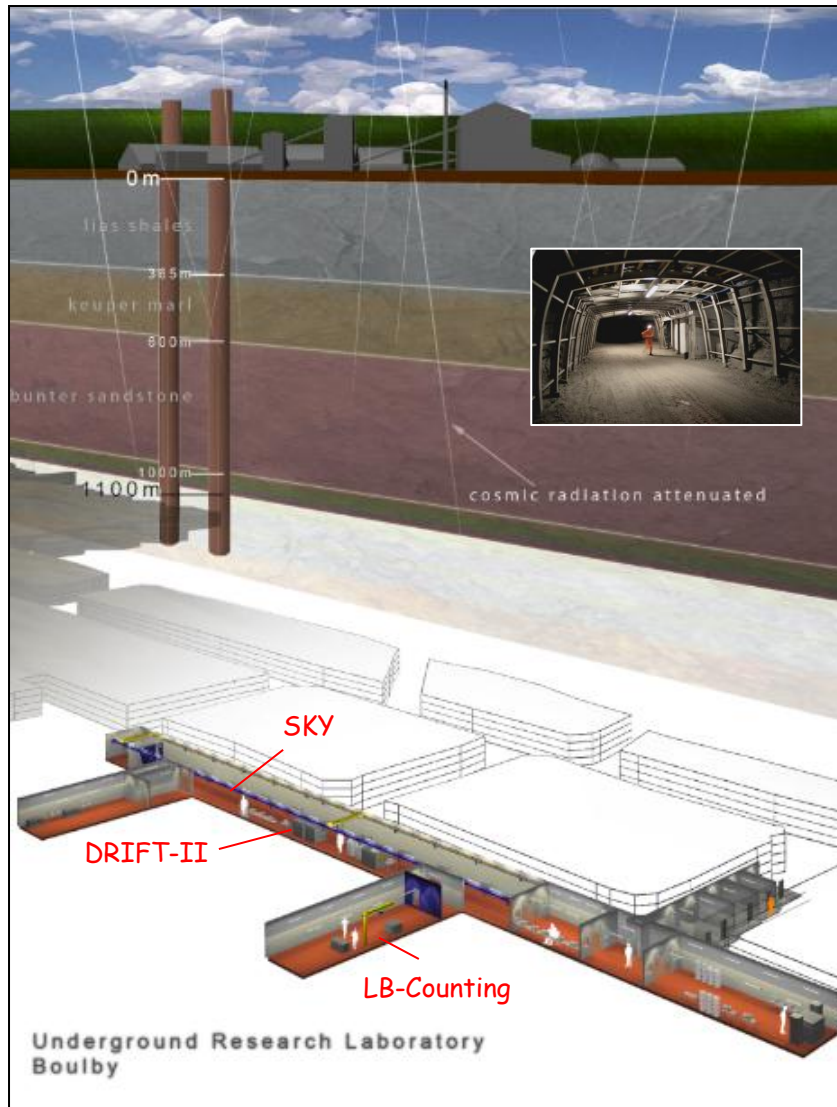
Search for Dark Matter

**Low-background
Astro & Particle
Physics**



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Boulby Underground Science Facility

Current Science Programme

- DRIFT directional dark matter search programme
- Low background counting work
- 'Other' deep underground science studies...
 - SKY: Cosmic rays, aerosols & climate
 - Muon tomography for CCS & deep geological survey
 - Geomicrobiology / Astrobiology studies
 - Environmental low-background counting
 - Misc Geology / Geoscience
 - Etc...

A growing number of multi-disciplinary (non astro or particle physics) Earth and Environmental science studies interested in access to the deep underground environment.

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Multi-disciplinary science studies in the world's deep underground laboratories.

'Other studies' - beyond astro & particle physics.

Objectives?

Review current & future multi-disciplinary science studies in the world's deep underground laboratories

Plan future funding and administrative arrangements for deep underground science and multi-disciplinary science as whole

Discuss future challenges and opportunities for deep underground science and multi-disciplinary science as whole.

Agenda

Tues 18th Dec

Intro

Earth Sciences

Biology & Astrobiology

Globals Perspectives 1

Funding

Wed 19th Dec

Climate and the Environment

Low Background Counting

Globals Perspectives 2

Concluding Remarks & Roundtable Discussion

▀ *Laboratory profile talks: Boulby, LSC, LSMLNGS, LSC*

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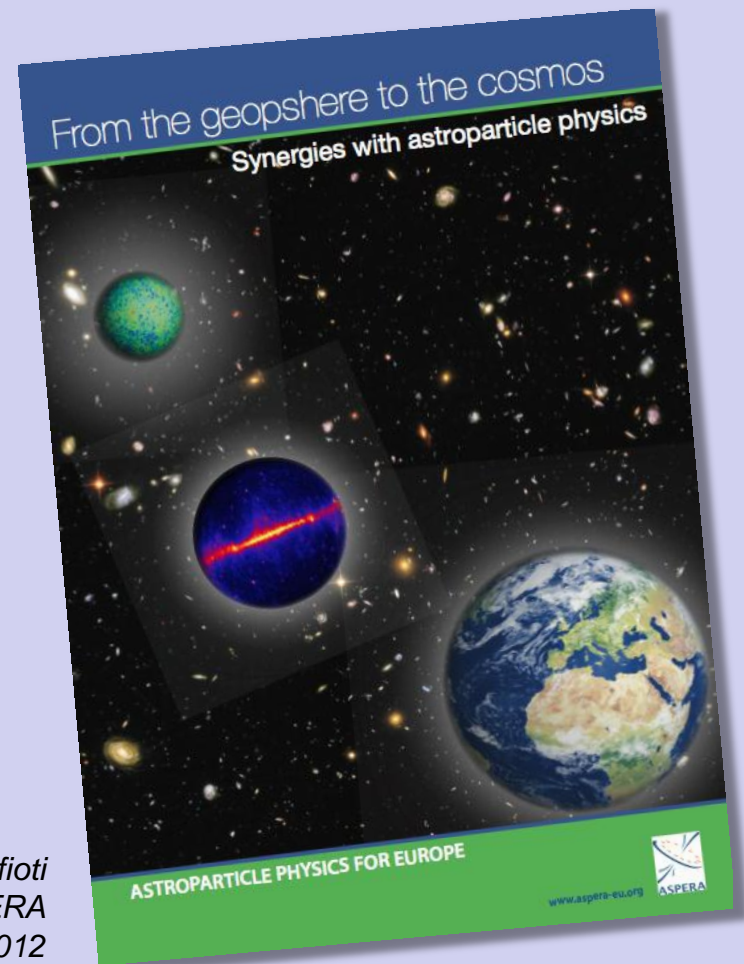
Who is responsible?

Science Committee including



Hosted by.....

*Ino Agrafioti
ASPERA
Apr 2012*



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This
Introduction
Session

09:00

Welcome, Context and Agenda *Sean PALING*

STFC-Boulby

09:00 - 09:15

Welcome from STFC *John WOMERLSEY*

STFC

09:15 - 09:20

Welcome from CPL/Boulby *Dave MCLUCKIE*

Cleveland Potash Limited / Boulby

09:20 - 09:25

**From the Geosphere to the Cosmos: *Ino AGRAFIOTI*
welcome from ASPERA**

CNRS/ASPERA-2

09:25 - 09:35

Welcome

Calman Learning Centre at Durham University, Durham, UK

Coffee Break

Calman Learning Centre at Durham University

09:35 - 09:50

Finally....

Hope you enjoy the workshop!

Any questions – Ask our helpers.....