



Poster session 3 – Wednesday 6 July

P3.008 **CallioLab, a new deep underground laboratory in the Pyhäsalmi mine**

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A concept of CallioLab has been established in order to manage operations other than mining in the Pyhäsalmi mine, Finland. The first deep laboratory space, called CallioLab Lab2, has just been finished at the depth of 1430 meters (4100 mwe). It has the area of approximately 120 m² and the height of 8 meters.

We present the structure and technical characteristics of the CallioLab Lab2. We also review the current activities related to astroparticle physics detectors, such as muon and neutron background detection and liquid scintillator testing and discuss the potentiality of the infrastructure for new neutrino and dark matter experiments.

An Open Call process has also been opened for present and new experiments to be located in the CallioLab.