The status of the Callio Lab Underground Laboratory in the Pyhäsalmi mine

Jari Joutsenvaara, Timo Enqvist, Ville Isoherranen, Panu Jalas, Johanna Kutuniva, and Pasi Kuusiniemi
Kerttu Saalasti Institute, University of Oulu, Finland (jari.joutsenvaara@oulu.fi)

We present the structure and the latest technical characteristics of the Callio Lab, the new underground laboratory managing the scientific and other non-mining related operations in the Pyhäsalmi mine in Pyhäjärvi, Finland. The very deep laboratory hall space, called Lab 2 of Callio Lab, was finished in spring 2016 at the depth of 1 430 metres (4 100 m.w.e.). Callio Lab has also other easily accessible (by car or truck) halls for laboratory use, for example at the depths of 440 m, 600 m and 990 m.

We also review the current and planned activities related to particle physics, applied sciences, industrial R&D and production.