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The use of muon radiography in the verification of nuclear geological disposal facilities

Friday 26 November 2021 10:50 (20 minutes)

The long-term disposal of nuclear waste is a pressing global problem. Most countries are following similar routes of developing one or more geological disposal facilities (GDF) deep underground. The potential role that muon tomography can play in the construction and operation of such a facility is currently under consideration across Europe. The presentation will focus on a number of aspects where muon tomography will provide a unique or valuable complimentary tool, such as repository verification, materials screening and package voidage. Results from initial simulations will also be discussed.

Primary authors: STEER, Chris (Geoptic Infrastructure Investigations (UK)); GARBUTT, Daniel (RWM (UK)); AYMANNS, Katharina (Geoptic Infrastructure Investigations (UK)); F. THOMPSON, Lee (University of Sheffield (UK)); VIEH, Christiane (BGE (Germany)); NIEMEYER, Irmgard (FZJ (Germany)); GLUYAS, Jon (Durham University (UK)); WEEKES, Michael (University of Sheffield (UK)); STOWELL, Patrick (Durham University (UK))

Presenter: F. THOMPSON, Lee (University of Sheffield (UK))

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