

Muon-Induced Neutron Backgrounds for the COHERENT Germanium Detector System

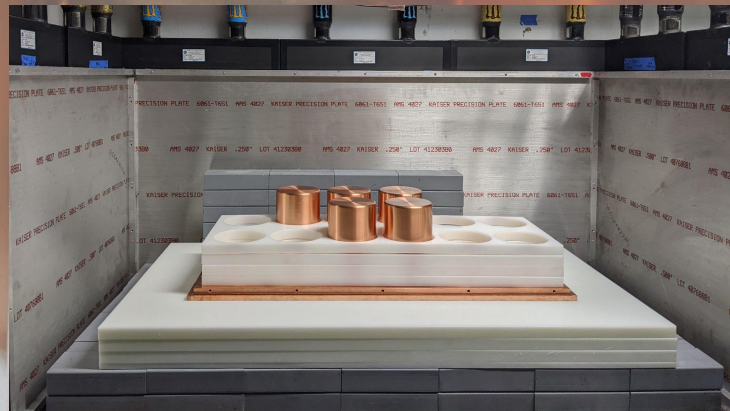
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Ge-mini is located at shallow depth (~ 8 m.w.e.) at the Spallation Neutron Source

Ge-mini contains about 5.25 Tonnes of Pb shielding

MCNP



Using MCNP, we simulate neutron propagation through Ge-mini shielding

Poster will present: preliminary simulated energy spectrum of (μ, n) , timing dist. for coincidence tagging, & opportunities to improve simulation

