

Low Radioactivity Techniques (LRT2022)



Contribution ID: 70

Type: **Oral Presentation**

Update on Electroforming Plans and Facilities

Wednesday, June 15, 2022 9:20 AM (25 minutes)

As the background level of new detector systems is pushed ever lower the demand for radiopure materials continues to increase. Electroformed copper is playing an ever more central role in many experiments. That is due to its favorable electrical and thermal properties in addition to the extremely high radiopurity levels that can be obtained using electroformed copper leaving room in their experimental background budgets for the more radiopurity challenged materials. We will discuss the use of electroformed copper in a few of these planned experiments and the electroforming facilities that are supporting them.

Primary author: HOPPE, E. W. (PNNL)

Co-authors: THOMMASSON, Kimbrelle; CHRISTOFFERSON, C. D. (SDSMT); OVERMAN, C. T. (PNNL); PEÑA, C. (LSC); GERBIER, G. (Queens University); GIROUX, G. (Queens University); HALL, Jeter (SNOLAB/Laurentian University); NIKOLOPOULOS, K. (University of Birmingham); KNIGHTS, P. (University of Birmingham); SALDANHA, Richard (Pacific Northwest National Laboratory); BORJABAD, S. (LSC)

Presenter: HOPPE, E. W. (PNNL)

Session Classification: LRT 2022 - presentations

Track Classification: Fabrication Methods, incl Advanced Machining and 3D Printing