



Contribution ID: 17

Type: talk

Update on Cryogenic Silicon Suspension Activities at Glasgow

Tuesday, 18 May 2021 07:25 (20 minutes)

With the need to move to 3rd generation cryogenically cooled detectors, work is ongoing at Glasgow to investigate design, bonding and characterisation of silicon suspensions operating at cryogenic temperatures. Here we present an update on these activities, including details of initial cooling experiments conducted on a silicon ribbon suspending a 1kg mass.

Primary author: EDDOLLS, Graeme (University of Glasgow)

Co-authors: Dr CUMMING, Alan (University of Glasgow); HOUGH, James (University of Glasgow); HAUGH-IAN, Karen (University of Glasgow); HAMMOND, Giles (University of Glasgow); ROWAN, Sheila (University of Glasgow); Mr JONES, Russell (University of Glasgow); MARTIN, Iain (University of Glasgow)

Presenter: EDDOLLS, Graeme (University of Glasgow)

Session Classification: Low frequency workshop

Track Classification: Workshops: Low frequency workshop