Contribution ID: **61** Type: **Poster presentation**

Silicon as a detector suspension material

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 the first demonstration of a bonded cryogenically cooled silicon suspension.

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Session Classification: Poster session III