



Contribution ID: 24

Type: **not specified**

Status of Kagra and TAMA300 squeezing experiment

Thursday, 1 March 2018 14:50 (20 minutes)

Kagra is the first 2.5G gravitational wave (GW) detector and it incorporates some very challenging new technologies such as underground facility and cryogenic sapphire mirrors. Another new technology that was not in the base road-map of any GW detector but nowadays is addressed as a crucial upgrade is frequency dependent squeezing.

I'll give some highlights on the Kagra detector and describe the R&D activity about frequency dependent squeezing that is being pursued in the TAMA300 facility.

Primary author: Dr LEONARDI, Matteo (NAOJ)

Presenter: Dr LEONARDI, Matteo (NAOJ)

Session Classification: Development of Enabling Technologies for Gravitational Wave Detectors