

# The Gravitational Wave-Gamma Ray Burst Working Group and InterPlanetary Network in O4

*Wednesday 12 October 2022 16:15 (15 minutes)*

LIGO, Virgo, and KAGRA will begin the fourth gravitational wave observing run in March 2023. Gamma-ray burst identification and localization are key to multimessenger studies with neutron star mergers, with scientific results spanning from fundamental physics to ultrarelativistic particle acceleration. We will detail the partnership and plans of the gravitational wave collaborations with Fermi and Swift, as well as steps to modernizing the InterPlanetary Network of GRB-observing satellites with a focus on the O4 observing run.

## Track

GRBs

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**Session Classification:** Parallel 10