

GWmaps: Online Calculator and Interactive Viewer for Credible Areas of Gravitational-Wave Sky Localizations

The GWmaps webpage (<https://virgo.pg.infn.it/maps/>) provides an interactive platform for visualizing gravitational-wave sky localizations from the LIGO, Virgo, and KAGRA Collaborations (LVK). This application adheres to the technical standards recommended by the International Virtual Observatory Alliance (IVOA). In this poster, we present GWmaps, highlighting its advanced graphical visualization features and interoperability with existing astronomical software. Finally, we outline the upcoming challenges in multimessenger astronomy anticipated with the future operations of the Einstein Telescope (ET).

Primary author: GRECO, Giuseppe

Presenter: GRECO, Giuseppe

Session Classification: Poster Session