Contribution ID : **32** Type : **Oral**

AMON: real-time operations

Wednesday, 7 December 2016 09:20 (30)

The Astrophysical Multimessenger Observatory Network (AMON) will link the world's leading high-energy neutrino, cosmic-ray, gamma-ray and gravitational wave observatories by performing real-time coincidence searches for multimessenger sources from observatories' subthreshold data streams. The resulting coincidences will be distributed to interested parties in the form of electronic alerts for real-time followup observation. We will present the science case, design elements, current and projected partner observatories, status of the AMON project, and current AMON-enabled analyses. We have deployed new high-uptime servers in February 2016 and started issuing real-time alerts via Gamma-ray Coordinates Network (GCN) since late spring 2016.

Primary author(s) : TEŠIĆ, Gordana (Penn State University)

Presenter(s) : TEŠIĆ, Gordana (Penn State University)

Session Classification : Multi-Messenger Astronomy

Track Classification : HAP Workshop