

Helmholtz Alliance for Astroparticle Physics

Realtime Astroparticle Physics

Mission: In the last few years, large neutrino, gamma or gravitational wave telescopes have established dedicated, near realtime follow-up observations using a range of astronomical telescopes. Such follow-up observations provide a significant increase of sensitivity to astrophysical transients, such as Gamma Ray Bursts, Supernovae or Active Galactic Nuclei by complementing the neutrino/gamma/gravitational wave signal with an electromagnetic signal. The first workshop on this emerging field of realtime astroparticle physics will focus on the science, methods and infrastructure relevant for the programs.

Program:

- Gravitational waves
- Optical wide-field surveys
- X-ray transient searches
- Transients astrophysical sources: theory and observations
- Neutrino astronomy
- Gamma-ray astrophysics
- Radio transient searches

Organization:

Marek Kowalski
kowalski@physik.uni-bonn.de

Sebastian Böser
sboeser@physik.uni-bonn.de

Physikalisches Institut, Universität Bonn
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<http://indico.cern.ch/event/RAP>



The Helmholtz Alliance for Astroparticle Physics
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www.hap-astroparticle.org

