

Helmholtz Alliance for Astroparticle Physics

Advanced Technologies Workshop Topic 4 - Kick Off Meeting

Program:

- In-air radio detection
- Microwave detection of high-energy cosmic rays
- In-matter detection of high-energy neutrinos
- Cherenkov array for air showers and high-energy gamma rays
- Advancements of PMT development
- Multi-channel read-out systems
- Air shower observations from space
- Lower energy extension of IceCube
- Design of a readout system for EURECA
- Digitizing analog signals at high sampling rate and bandwidth
- Development of intelligent triggers, digital data processing and event building
- Design of low-noise, low-power preamplifier
- Calibration of large liquid Xenon detectors
- Calibration methods for novel low-temperature light detectors

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FTU, Karlsruhe Institute of Technology
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<http://indico.scc.kit.edu/indico/event/hap-topic4-workshop>



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www.hap-astroparticle.org

