

# HAP Workshop 2016

## Topic 4: Advanced Technologies

### Highlight

#### Advancements of photosensor developments

- SiPMs
- Low temperature light detectors
- Large-area photosensor
- Camera systems

### Other topics

#### ASICs in astroparticle physics

- Digitizing analog signals at high sampling rate and bandwidth
- SiPM readout
- Charge readout at low temperatures

#### Air-shower technologies

- In-air radio detection
- Telescope technology for air showers

#### Data Acquisition

- Intelligent triggers, digital data processing and event building
- Multi-channel readout systems (MicroTCA, ...)
- Precision time synchronization in large scale experiments

## February 01-02, 2016

at Johannes Gutenberg University, Mainz

#### Program Committee:

Matthias Kleifges (KIT), Marc Weber (KIT),  
Sebastian Böser (JGU), Uwe Oberlack (JGU)

#### Local Organisation:

Sebastian Böser, Uwe Oberlack



<http://indico.scc.kit.edu/indico/e/hap-topic4-workshop-2016>