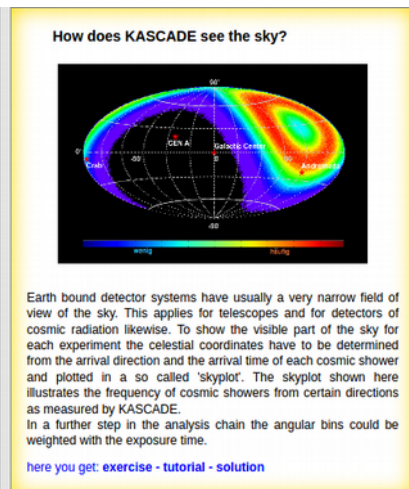
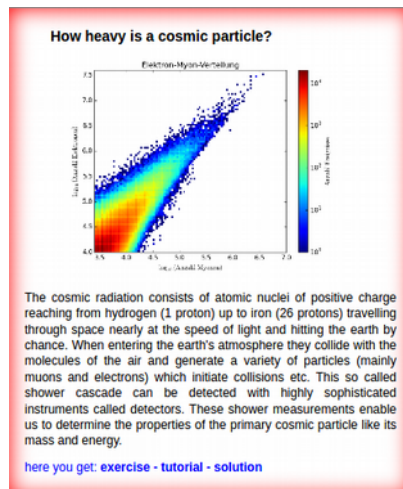

Outreach Activities in Astroparticle Physics at KIT

Outreach in the context of DLC

- Masterclass: Bring Data from Experiments to Students
 - Easy accessible data
 - Basic analysis
 - Good documentation and manual
- Education section at KCDC
 - Probably too „heavy“
 - Less attractive since KASCADE not running anymore



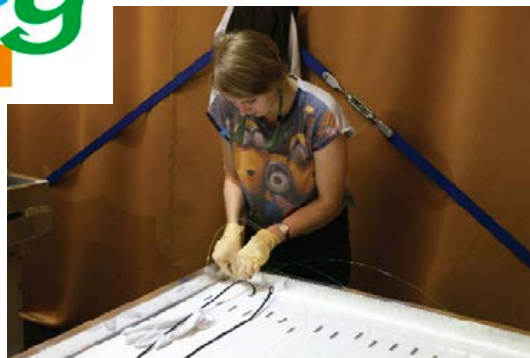
Activities at KCETA - Overview

- Activities for students
- Experiments
- Cooperation with local school
- Internships
- Public Talks and Events
- Open Day KIT
- Astroparticle Physics and Arts



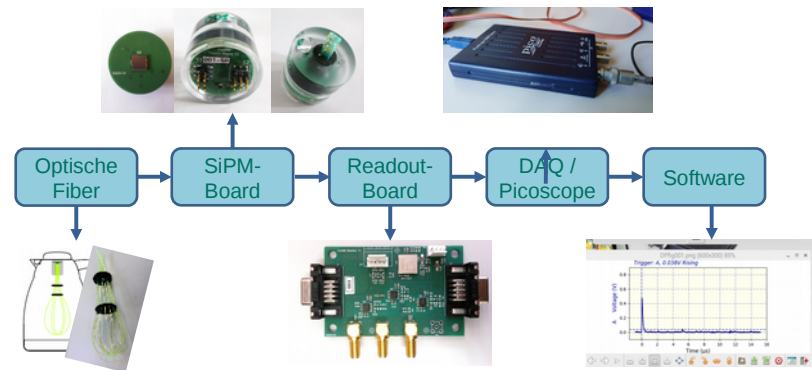
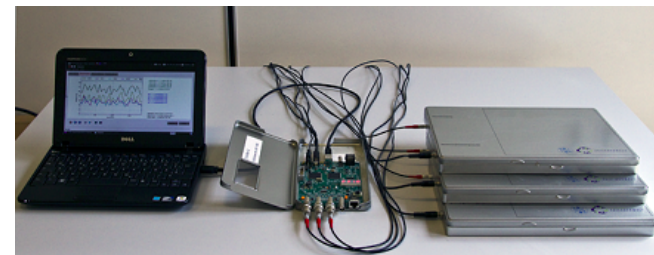
Students

- Masterclass
 - IceCube, Auger
- International Cosmic Day
- GirlsDay



Experiments

- Several small detectors available
 - CosMO – Scintillator Detector
 - DETECTORS – Coffee Can with PMT
 - Mini-KASCADE
- Development of Show-Case-Experiment
 - Measurement of cosmic muons in coffee can using SiPM



Cooperation TMG

- Cooperation of KIT with local school
 - Talks, internships, hands-on-exercises



Internships

- BOGY
 - Mandatory 2 weeks internship for pupils
- Individual internship



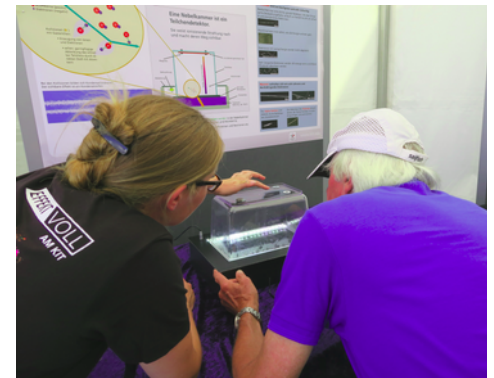
Public Talks and Events

- Science Festival EFFEKTE
 - Wissensdurst – The Science Pub Event, Andreas Haungs: "Digital (R)Evolution of the High Energy Universe"
- KIT im Rathaus / „KIT at the town hall“
 - Lecture series with exhibition
- Science Night



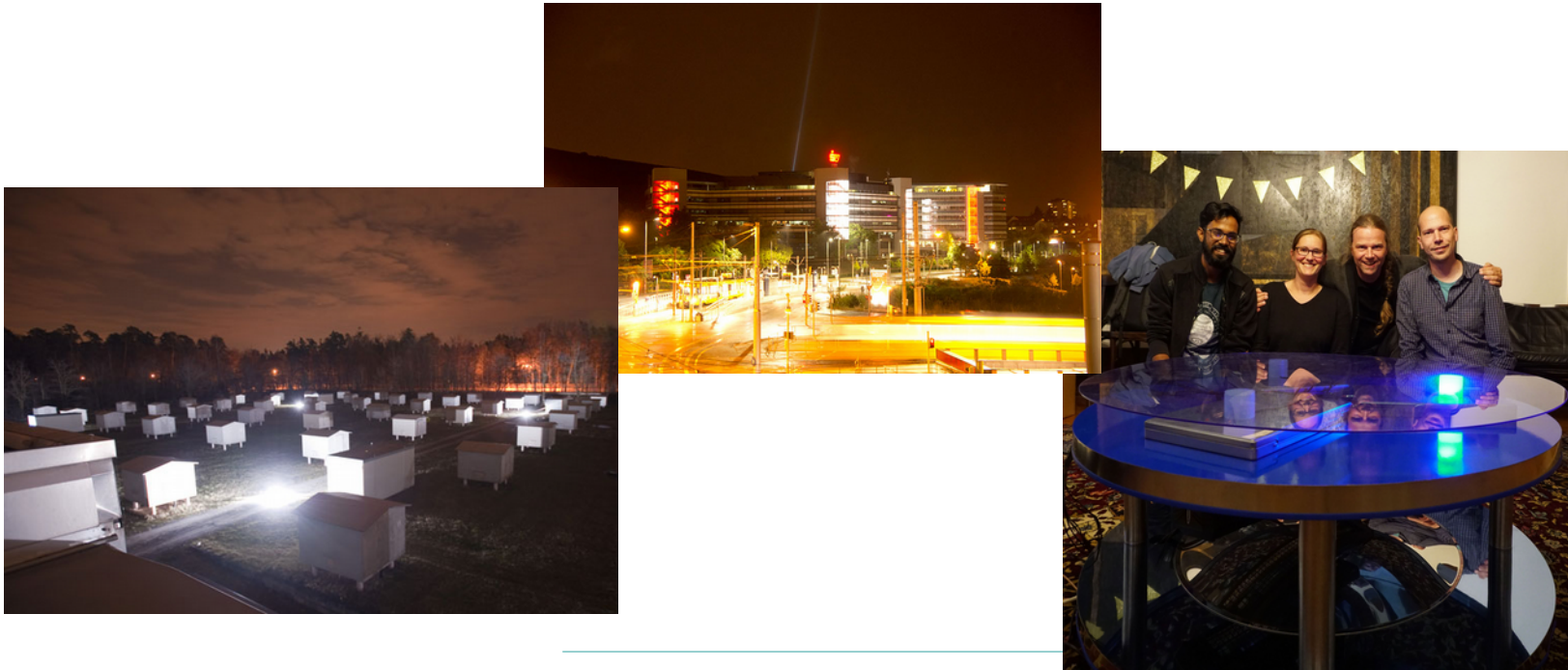
Open Day 2019 KIT

- Exhibition about the latest research of KCETA presented by scientists all interested people
 - Observing cosmic rays in a cloud chamber,
 - finding out everything about the KATRIN experiment with our KATRIN model,
 - finding out on the Teilch-o-Mat which elementary particle you are similar to,
 - creating an elementary particle button,
 - answering questions at our station of the children's knowledge rallye.



Cosmic Revelation

- Cosmic Revelation – Art meets Science Project, Cooperation KCETA and Tim Otto Roth



National Network Germany

- Netzwerk Teilchenwelt – www.teilchenwelt.de
 - Particle- and Astroparticle-Physics
 - 30 Institutes in Germany
 - Multi-level program for
 - high school students
 - Teachers
 - Masterclasses: Scientists bring data from experiments to schools
 - Hands-on-Experiments: Cloud chamber, Myon detectors
- KONTAKT
 - Extended target group



International Network

- IPPOG – International Particle Physics Outreach Group
 - Focus on Particle Physics
 - International Masterclasses
 - ATLAS, ALICE, CMS, LHCb, BELLE II, MINERvA, Particle Therapy
 - Resource Database
 - Global Cosmic Group
 - International Cosmic Day
 - APPEC (Astroparticle Physics European Consortium)
as Observer



Summary

- KIT provides broad range of activities targeting different audiences
- We are always open for new concepts and new ideas!
- Looking forward to an exchange of experience with [astroparticle.online](https://www.astroparticle.online/)!



Thank you!