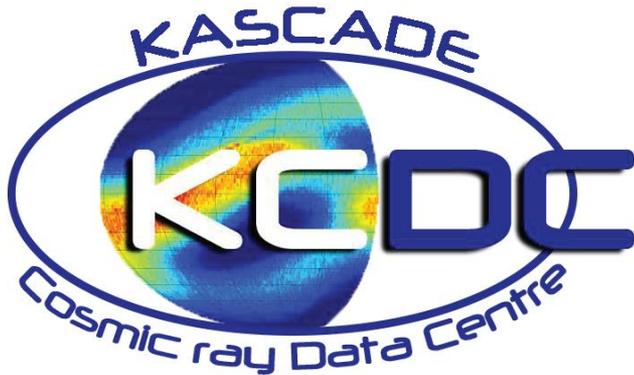


Status and Future Prospects of the KASCADE Cosmic-ray Data Centre KCDC



PoS (ICRC2021) 422

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<https://kcdc.iap.kit.edu>

Open Data \neq Outreach

- as open data serves for community and the research field and the society
- outreach profits from open data
- KCDC is a platform for both, open data and outreach

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<https://kcdc.iap.kit.edu>

What's KCDC?

- KCDC is a web-based platform to provide scientific data for the general public
- KCDC is to archive original research data such as from KASCADE
- KCDC is to offer long-term scientific data for the community as well as for students and the interested public
- KCDC is load on a sophisticated web portal

What's new?

- Independent Data Shops: Allows for Multi-Experimental Analysis
- Data of new experiment: Maket-Ani
- Jupyterhub: <https://jupyter.iap.kit.edu> supports online, in-KCDC analyses
- API (Application Programming Interface): Improves systemic data handling
- KCDC masterclass for students: PoS (ICRC2021) 1378
- More spectra of various experiments for download



Maket-Ani in Armenia



KCDC user map

What's next?

- SKARAGAN 2.0 (July 2021): upgrade on all software components
- QUALOR (end 2021): replacement of sharded cluster to speed up processing of requests.