Executive Summary:

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

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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

https://kcdc.iap.kit.edu

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

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.

KCDC user map