KAT: Discussion on overarching topics

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KAT community meeting, Karlsruhe
16 October 2024

Reminder:
Astroparticle physics and society

5.1 An Environment for Educating Excellent Young Scientists
5.2 Knowledge and Technology Creation and Transfer
5.3 Cooperation with Technology Enterprises and Industry
5.4 International Dimension
5.5 Research Data as a Cultural Heritage
5.6 Sustainability
5.7 Gender, Diversity, Inclusion
5.8 Outreach
5.9 Strengthening Science in Remote Regions

- See discussion today 14:00-16:00, also containig computing. Two presentations (Computing+data, Outreach) + structured discussion on all topics.

- Here we are.

From Indico:

Educating excellent young scientists

Knowledge and technology transfer, cooperation with industry

International dimension

Sustainability

Diversity and inclusion

- Suggestion: Let's structure discussions along these items.
- I'll list a few key words for each item, then it's your turn.

Educating excellent young scientists

- Attracting and educating students in STEM
- Specific skills:
  - Educated at foreftont of science and research
  - Computing & software, technology
  - Artificial intelligence ($\rightarrow$ Nobel Prize)
- International experience and networks
- Some career examples?

Knowledge and technology transfer, cooperation with industry

- Technology developments for societal/industrial use
- Knowledge transfer from academia to society
- Start-up enterprises
- Industrial contributions to research

International dimension

- Foster mobility
- Foster international relations
- Intercultural exchanges
- Support remote/underdeveloped regions through science projects

Sustainability

- Awareness of resources:
  - Computing
  - Travel
  - Operation of experiments/observatories
  - …
- Sustainable construction of infrastructure (concrete!)
- Development of resource-saving methods
- Role models for society

Diversity and inclusion

- Consider all aspects of diversity:
  - Gender
  - Origin, language, ethnic background
  - Handicaps
  - Religious beliefs
  - …
- Instruments and support for inclusion
- Code of conduct, ombudpersons, …