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Stellingen

Behorende bij het proefschrift

Particle-Identification Capability of the Straw Tube Tracker and Feasibility Studies for the Charmed-Baryon Program with PANDA

Solmaz Vejdani

1. PANDA will provide experimental data that will map out the charmed-baryon spectrum.
2. Charged particle identification of hadrons and leptons is an essential requirement to meet the physics objectives of PANDA.
3. It is challenging to realize a simulation and data-analysis framework that is tuned towards the requirements of PANDA. To successfully develop such a framework, expertise from various disciplines is needed. It is, therefore, mandatory to hire people who are capable of handling big data, who have sufficient knowledge of statistics and programming, and who are highly skilled in data analysis.
4. A PhD trajectory is meant to be science driven and the PhD candidate is supposed to become an independent researcher. This requires the PhD candidate to be creative and not to perceive his or her project as a road map solely laid out by the supervisor.
5. To achieve the goals of a research project, patience and hard work are absolutely necessary.
6. An educational system should be a platform that encourages motivation and provides a path for the development of talent and skills.