

PERSONAL INFORMATION

Yaozu Jiang

Gender Male | Date of birth Feb 1 1988 | Nationality China

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EDUCATION AND TRAINING

FISICA

Università degli Studi di PERUGIA - Department of Physics and Geology 2nd level-cycle degree/Master of Science (2 years)

FISICA

Università degli Studi di GENOVA - Faculty of Mathematical, Physical and Natural Sciences

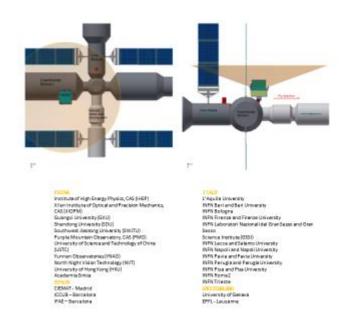
1st level-cycle degree/Bachelor (3 years)

INTERESTS AND HOBBIES

Traveling, Reading, Video Games

MOTTO

Whatever you decide to do, make yourself happy.



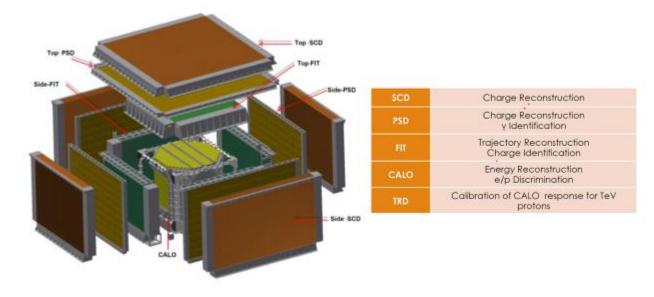


The work mainly contains those parts: the estimation of CALO and SCD parameters (the acceptance, efficiency, energy resolution, charge resolution and spatial resolution), the optimization of the Monte Carlo, so that the simulation is as close as possible to the data, the definition/implementation of the calibrating procedures and the analysis strategies.

The High Energy Cosmic Radiation Detection

The High Energy cosmic-Radiation Detection (HERD) facility is one of several space astronomy payloads of the cosmic light house program onboard China's Space Station, which is planned for operation starting around 2026 for about 10 years. The main scientific objectives of HERD are indirect dark matter searches with an unprecedented acceptance (> 1 m2sr), precise cosmic ray spectrum and composition measurements up to the knee energy(\sim 1 PeV), and gamma-ray monitoring and surveys (from 500 MeV up to 10 TeV)

In the prototype phase, the HERD consists of 5 sub-detectors, from inside to outside is: 3-D cubic calorimeter (CALO), scintillating fiber tracker (FIT), microstrip silicon trackers (SCD), plastic scintillator detector (PSD), then a transition radiation detector (TRD) is located on the lateral side.



THANK YOU