

QuarkNet High School Cosmic Ray Projects

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QuarkNet High School teachers and students perform experiments with cosmic ray muons. Their data is available to all on the i2u2.org site; enable measurements of muon flux, speed, and lifetime. The pandemic restricted access to many detectors, so QuarkNet provided virtual resources allowing users to carry out simpler experiments with already uploaded data. Users can also request groups maintaining active detectors to modify setups in order to collect customized data. Some QuarkNet high school groups have also carried out more complex projects, e.g. Solar Eclipse 2017, MUSE at Fermilab, storm tracking, and g-2, that required assembling entire physics collaborations.

Keywords

[QuarkNet](#); high school teachers; cosmic ray muons

Collaboration

other Collaboration

[QuarkNet](#)

Subcategory

Outreach and Education

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