

The QuarkNet Cosmic Ray Workshop is designed to enable QuarkNet teachers to collect cosmic ray data in their classrooms, to mentor student research, to perform experiments with muons, and to analyze existing world-wide data.

Specs:

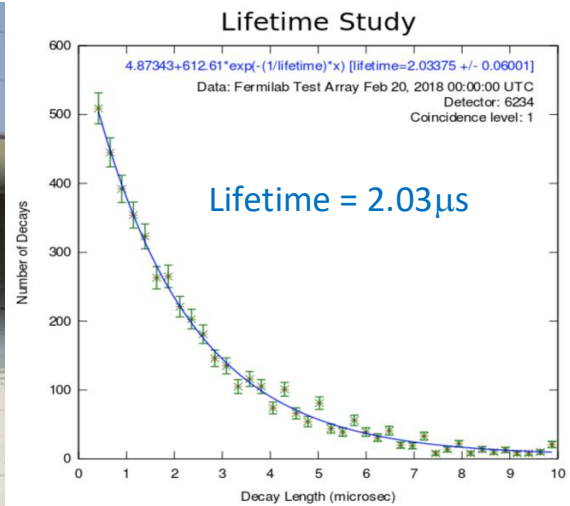
- For HS physics teachers
- Two or three-day duration
- QuarkNet staff or fellow facilitates.
- Teachers do activities as students and then reflect and plan as professionals.

Contents:

- Introductory talk and Data Activities from e-Lab
- Operate Muon Cosmic Ray Detectors
- Perform muon experiments
- e-Lab research organization and analysis capabilities



Students at a summer workshop with their cosmic ray telescope.



Results from a muon lifetime study

To arrange a Cosmic Ray Workshop or learn more, ask your QuarkNet staff contact. To learn more about National Workshop opportunities for QuarkNet centers, go to the QuarkNet website and search on “opportunities.”