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HiSPARC: big data for high school students

Saturday, 24 August 2019 12:00 (30 minutes)

The HiSPARC experiment carries out cosmic ray research with the help of high school students. Universities, scientific institutes and predominantly high schools collaborate by hosting their own cosmic ray detection station. Our outreach goal is to bring modern physics into the classroom. In this talk I will show how we promote and enable the use of Jupyter Notebooks in high schools. The notebooks are used during lectures and also for individual student projects. With Jupyter students learn how to program and how to process the (big) data of their own cosmic ray station.

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