

## Status of the RHIC forward experiment

*Wednesday 27 September 2017 15:00 (30 minutes)*

RHICf is an experiment to measure neutral particles emitted around the zero degree in the 510GeV proton-proton collisions at RHIC. The detector was installed in the interaction point of STAR and physics operation was carried out from 25 to 27 June, 2017. Introduction to the experiment and the first results are presented in the workshop. Forward particle cross sections are useful to constrain the hadronic interaction models used in the cosmic-ray physics at the cosmic-ray energy of  $10^{14}$ eV. Single-spin asymmetry measured with the polarized proton beam is also an important topics because RHICf has a wider  $p_T$  coverage than the previous measurements at RHIC.

### Relevant topics

minimum bias, cosmic-ray, spin

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