

Plans and Tests for Stereoscopic and Monoscopic Operation of Four IACTs of the TAIGA Hybrid Experiment

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The 2nd TAIGA imaging air Cherenkov telescope (IACT) has successfully been put into operation in the Tunka Valley in fall 2020. Currently two more telescopes are under construction and completion. The ability to use the telescopes in the so-called stereo mode of image analysis by taking into account the unusually large distance between them (from 320 m to 500 m), well exceeding the inter-telescope distances in conventional IACT stereo systems, is being explored and discussed.

The results of the dedicated Monte Carlo are compared with the experiment data from the 1st and the 2nd TAIGA-IACTs.

Keywords

IACT; Tunka; hybrid; stereo; Monte Carlo; simulation; image analysis

Collaboration

TAIGA

other Collaboration

Subcategory

Experimental Methods & Instrumentation

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