

Development of autonomous observation system for next-generation cosmic ray telescope

Wednesday 21 July 2021 13:18 (12 minutes)

CRAFFT is an atmospheric fluorescence telescope with wide viewing pixels for Ultra-High Energy Cosmic Rays next-generation observation facility. We have built the automatic observation system (for the fluorescence detector) in order to expand detection area of the next generation observatory by the telescope with the fluorescence technique. In Japan, we made a testing machine that reproduces the actual observation equipment installed in Utah, USA. The observation automation system was installed with the testing machine in Japan and has been in operation for more than 9 months. This system also includes an environmental monitor for stable operation and smooth transition to start or stop observation automatically. In this presentation, we will report on the development status of CRAFFT's autonomous observation system.

Keywords

UHECR, Fluorescence Telescope, Automation

Collaboration

other Collaboration

CRAFFT

Subcategory

Experimental Methods & Instrumentation

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Session Classification: Discussion

Track Classification: Scientific Field: CRI | Cosmic Ray Indirect