

The atmospheric transparency of Telescope Array observation site by the CLF

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What is the contribution about?

- *Atmospheric transparency was measured at night for the FD of the TA.*

Why is it relevant / interesting?

- *Atmospheric transparency calibration is essential for UHECR FD analysis.*

What have we done?

- *The influence of atmospheric molecules was removed from the conventional results, and a pure aerosol scattering attenuation factor was obtained.*

What is the result?

- *We obtained a typical example of annual fluctuations in atmospheric transparency at the TA experimental site.*