

[포IM-05] Current Status of TA/TALE and Monte Carlo study for TA

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The Telescope Array (TA) experiment is designed to detect the ultra-high energy cosmic rays (UHECRs) with energies of $\sim 10^{19}$ eV or higher. The TA low-energy extension (TALE) extends the coverage to lower energies. Together the TA/TALE program aims to cover a wide energy range of $10^{16.5} - 10^{20.5}$ eV, which includes the second knee at $\sim 10^{17.5}$ eV, the ankle at $\sim 10^{18.6}$ eV, and the GZK cutoff at $\sim 10^{19.8}$ eV.

In this presentation, we report the current status of TA/TALE, and the Monte-Carlo air shower simulation results for TA.