

## **UHE EXTENSIVE AIR SHOWERS SIMULATED WITH CORSIKA CODE**

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Lateral distributions for different type of particles in UHE extensive air showers have been simulated with CORSIKA code, version 6.00. In order to study the influence of the mass of the primary particle in the development of extensive air showers in the atmosphere, different primary masses have been simulated at fixed primary energy,  $10^{14}$  eV. Moreover, muon angular distributions for air showers at this primary energy have been studied to get more information about the shower development in the atmosphere.