

**AIR SHOWERS IN THE SIZE RANGE $10^{4.25}$ – $10^{6.45}$ AT DIFFERENT
ATMOSPHERIC DEPTHS**

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The differential size spectra in the size range $10^{4.25}$ – $10^{6.45}$ for different atmospheric depths obtained by the North Bengal University (NBU) extensive air shower (EAS) experiment shows a systematic shift of the 'knee' towards smaller size with the increase in zenith angle. A comparative study of the characteristics of the air showers in the said size region observed by the present experiment and similar such experiments and simulations has also been made.