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## Angular Dependence of Cosmic Muon Flux - Experimental Measurement and Simulation

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Cosmic muon flux and its angular distribution have been measured using Resistive Plate Chamber(RPC) at Kolkata ( $22^{\circ} 36' 6.71''$  N,  $88^{\circ} 25' 7.89''$  E) at 8 m elevation. Zenith angle was varied upto  $90^{\circ}$  in clockwise and  $90^{\circ}$  in anticlockwise direction with respect to zenith direction. The similar scenario was also simulated using cosmic flux following  $\cos\theta$  distribution. Experiment and simulated result were compared. Details of the measurement technique along with simulation result will be presented.

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