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Simulation of electron trajectories in nuclear emulsion and its application

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To examine the nuclear emulsion chemical uniformity or Poisson distribution of grains, simulations of electron trajectory have been carried out on the basis of the single elastic scattering Monte Carlo method considering energy straggling processes and their fluctuations. To compare these simulated results, image processing method of charged particle tracks in nuclear emulsion have also been developed. In this paper, simulation results and track analysis are going to be present.

Collaboration

– not specified –

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