

KPS Pioneer session - Discovery of quantum entanglement in High Energy Physics

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A brief introduction to quantum entanglement in high energy physics

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Quantum entanglement is a mysterious phenomenon of quantum mechanics that appears not only in low-energy atomic physics, but also in high-energy collision physics. In recent years, the effects of quantum entanglement have been predicted or observed in some of the representative high-energy collisions, such as heavy ion collisions, the production of top quark pairs, and the decay of the Higgs boson, which have attracted increasing attention from the HEP community. In this talk, I will give a brief introduction to quantum entanglement in high-energy physics and summarize recent developments.

Presenter: PARK, Inkyu (University of Seoul, Department of Physics (KR))