

Production of twisted particles in noncentral heavy-ion collisions

Friday, 3 March 2023 15:20 (20 minutes)

The production of twisted (vortex) particles in noncentral heavy-ion collisions is rather ubiquitous. Photons emitted in such collisions due to the rotation of charges are highly twisted. Charged particles are produced in non-spreading multiwave states. They have significant orbital angular momenta. We expect wide dissemination of emission of twisted particles in noncentral heavy-ion collisions.

Primary author: SILENKO, Alexander (Joint Institute for Nuclear Research)

Presenter: SILENKO, Alexander (Joint Institute for Nuclear Research)