



Contribution ID : 23

Type : **Oral talk**

Exact calculation of photon polarization observables in Bethe-Heitler process

Friday, 25 October 2024 09:45 (15)

The effects of polarization transfer from the initial electron to the bremsstrahlung photon in the electron–nucleus scattering (Bethe-Heitler process) are considered. The calculation is done without the assumption of smallness of the electron mass nor the limitation to small photon emission angles. Detailed comparison with a series of preceding papers is done. The results are applicable to the modelling of the polarized cross sections at low energies and beyond, even at a few MeV.

Primary author(s) : ZYKUNOV, Vladimir (JINR); BYSTRITSKIY, Yury (JINR)

Presenter(s) : BYSTRITSKIY, Yury (JINR)

Session Classification : HEP Theory

Track Classification : High energy physics: theory