

NEW CALCULATIONS OF THE INFLUENCE OF TRIPLET PRODUCTION ON PAIR - COMPTON CASCADES IN A SOFT PHOTON FIELD

V. Anguelov (1), L.Gurdev (2), S.Petrov (1), H. Vankov (1)

vankov@inrne.bas.bg

(1) Institute for Nuclear Research and Nuclear Energy, Sofia, Bulgaria

(2) Institute of Electronics, Sofia, Bulgaria

We examine the consequences of using the new precisely calculated cross sections of triplet pair production in Monte Carlo calculations of electromagnetic cascades through thermal radiation. Results are compared with previous calculations.