

## **Do magnetic and pair creation suppression of Bremsstrahlung influence the electromagnetic air showers at extremely high energies ?**

**V. Angelov<sup>1</sup>, L. Gurdev<sup>2</sup>, S. Petrov<sup>1</sup>, and H. Vankov<sup>1</sup>**

<sup>1</sup>Institute for Nuclear Research and Nuclear Energy, Sofia, Bulgaria

<sup>2</sup>Institute of Electronics, Sofia, Bulgaria

**Abstract.** 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.

---

*Correspondence to:* H. Vankov (vankov@inrne.bas.b)