

## **SIMULATION OF RESPONSE OF GAMMA ARRAY TO THE EAS COMPONENTS**

M.Z. Zazyan (1), A.P. Garyaka (1), R.M. Martirosov (1), J. Procureur (2)

1. Yerevan Physics Institute, Yerevan, Armenia

2. Centre d'Etudes Nucléaires de Bordeaux-Gradignan, Université Bordeaux 1

Energy deposits of different kinds of shower particles in  $e/\gamma$ -detectors of the GAMMA array at Mt. Aragats (3200m, Armenia) are obtained by the simulations with CORSIKA event generator and ARES detector response program. With these simulations photon contribution to the densities of charged particles are derived.