

DETAILED MONTE CARLO STUDIES FOR THE MAGIC TELESCOPE

H. Kornmayer (1) and O. Blanch (2)

(1) Max-Planck-Institut für Physik, Föhringer Ring 6, 80805 München, Germany, (2) IFAE, Barcelona, Spain.

`h.kornmayer@web.de`

For the understanding of a large Cherenkov telescope a detailed simulation of air showers and of the detector response are unavoidable. Such a simulation must take into account the development of air showers in the atmosphere, the reflectivity of the mirrors, the response of photo detectors and the influence of both the light of night sky and the light of bright stars. A detailed study will be presented.