

Design and Implementation of Synchrotron Radiation Masks for LEP2, P. LEPEULE, C. MENOT, R. VENESS, CERN - Estimates of photon flux for LEP2 have predicted unacceptable background levels within the detectors of the four LEP experiments. As part of the solution to this problem, synchrotron radiation masks have been installed within the experimental vacuum chambers close to the interaction points. The photon flux calculations and specification for the masks has been laid-out by von Holtey et. al. [1]. This paper describes the design of the masks and outlines the principal technical issues overcome for their installation and alignment.

- [1] Synchrotron Radiation Masks for LEP2, G. von Holtey, W. Niessen, P. Roudeau. Proc. 4th European Particle Accelerator Conference, London 1994.