

Experience with the Electron and Proton Beam Loss Monitor (BLM) System at HERA,
K. WITTENBURG, Deutsches Elektronen Synchrotron, DESY, Hamburg, Germany - Since the beginning of the proton acceleration in HERA, the BLMp(roton) system has to prevent the superconducting magnets from beam loss induced quenches. A statistic of this functionality is presented and the different reasons of beam aborts caused by the BLMp-system and the few beam loss induced quenches are discussed. The equivalent BLMe(lectron) system is used mainly for diagnostics. Especially during the studies of the electron lifetime problem in HERA, the BLMe system localized exactly the position of trapped "dust" particles in the ring. The localization mechanism and the performance of the BLMe system are presented.