Radiation **Synchrotron Effects** at LEP2. R. BAILEY, B. BALHAN, C. BOVET, B. GODDARD, J.M. JIMENEZ, N. HILLERET, R. JUNG, G. VON HOLTEY, CERN - With the increase of the LEP beam energy, synchrotron radiation effects become ever more important. Around the experiments, masks have been successfully used to absorb the higher rates, and photon backgrounds have not been a problem. Elsewhere around the ring, however, the increased radiated power has adversely affected various accelerator components; sections of the vacuum chamber, electronics, cables and beam instrumentation equipment have all suffered. Furthermore, the use of wiggler magnets to control the bunch size has given rise to local problems on nearby separator equipment. These effects will be presented, together with the steps taken to avoid further difficulties at the higher energies and higher beam currents foreseen in future.