

Particle Backgrounds at LEP with Bunch Trains,
H. BURKHARDT, G. VON HOLTEY, CERN, Geneva,
A. BALL, University of Maryland - The vertical orbit
bumps close to the interaction points in LEP, which are
needed to separate counter rotating bunches at their
parasitic collision points, are generating additional
particle backgrounds to the LEP detectors. Monte
Carlo simulations of photon and electron backgrounds
have been performed and are compared with
experimental data. This led to a good understanding of
the bunch train specific background sources and
allowed to devise efficient protection measures.