

**The Simultaneous and Nearly Collinear  $K^0$  Beams for NA48**, C. BIINO-PALESTINI, TORINO; N. DOBLE, L. GATIGNON\*, P. GRAFSTROM, CERN - A system of simultaneous and nearly-collinear beams of long- and short-lived neutral kaon beams has been installed and extensively studied. These beams form an integral part of the NA48 experiment at the CERN SPS, which aims to study direct CP violation. The beam splitting is achieved by a novel application of a bent silicon crystal. The principles and design of these beams, as well as their performance are described.

\* For the NA48 collaboration.