

The ε'/ε measurement by the NA48 experiment at CERN

The NA48 experiment closed in 2001 a 4-year running period devoted to the precise measurement of the direct CP violation component in the two pion decay of the neutral K meson. A total number of ~ 5 million events of the most suppressed mode $K_L^0 \rightarrow \pi^0 \pi^0$ have been accumulated. In this talk we will show the methods used to extract the ε'/ε information and we will give the final result and the level of uncertainty achieved.