

# Review of pi-pi scattering measurements in K decays

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Over the last few years it has become possible to study low energy  $\pi\pi$  scattering in K decays to three pions, thanks to the high statistics measurement of  $K^\pm \rightarrow \pi^\pm \pi^0 \pi^0$  decay with excellent  $\pi^0\pi^0$  invariant mass resolution performed by the NA48/2 experiment at the CERN SPS. The information on the  $\pi\pi$  scattering lengths which can be extracted from these results is reviewed and compared with the results from studies of  $Ke4$  decays, which include recent NA48/2 measurements. The possibility of studying  $\pi\pi$  scattering in  $K^\pm \rightarrow \pi^\pm \pi^+ \pi^-$  and  $K_L \rightarrow \pi^0 \pi^0 \pi^0$  decays is also discussed.

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