$\boxed{\textbf{The E135 Experiment}}$

We are going to analyze an experiment where:

- we produce K^* mesons by colliding high-energy K^- particles into a proton

- look at how they decay using the process

$$\begin{array}{lcl} K^-p & \rightarrow & K^*(1780)^\circ n \\ & & \quad \llcorner\!\!\longrightarrow K^*(892)^-\pi^+ \\ & & \qquad\qquad \llcorner\!\!\longrightarrow \bar{K}^\circ\pi\ - \end{array}$$

and

$$\begin{array}{lcl} K^-p & \rightarrow & K^*(1780)^\circ n \\ & & \quad \llcorner\!\!\longrightarrow \bar{K}^\circ\rho(770)^0 \\ & & \qquad\qquad\quad \llcorner\!\!\longrightarrow \pi^+\pi^- \end{array} \tag{1}$$