

RESONANCE PRODUCTION IN THE REACTION $K^+p \rightarrow K^0p\pi^+$ AT 5,8.25 and 16 GeV/c

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We present a systematic analysis of the production of $K^{*+}(892)$ and $\Delta^{++}(1236)$ resonances in the $K^+p \rightarrow K^0p\pi^+$ reaction at 5,8.25 and 16 GeV/c. We have measured total cross sections, differential cross sections, density matrix elements and examined resonance production mechanisms in terms of the exchange of states with definite naturality. Some results on the reaction $K^+p \rightarrow K^{*+}(1420)p$ are also given.

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