

The PWA of $\pi^-\pi^0$ system with subtraction of the known background

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Collaboration

VES

Abstract content

The ρ -(770) production density matrix is studied with the VES setup in $\pi^-N \rightarrow N'\pi^-\pi^0$ with statistics three orders of magnitude bigger than in previous studies. A significant background to the $\pi^-\pi^0$ sample is leakage from previously studied $\pi^-\pi^0\pi^0$ system. The estimation of the background contribution is implemented in the Partial Wave Analysis procedure.

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