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Partial wave analysis of the reaction $\pi^- p \to \eta\pi^+\pi^- n$ at 18 GeV/c[1] JOSEPH J. MANAK, *University of Notre Dame for the E852 Collaboration (Brookhaven, Indiana, IHEP Protvino, Massachusetts Dartmouth, Moscow State, Northwestern, Notre Dame, Rensselaer)* — A partial wave analysis over the 1.2 to 2.0 GeV mass region was performed on the reaction $\pi^- p \to \eta\pi^+\pi^- n$ at 18 GeV/c. The data sample represents the largest analyzed sample to date for this reaction. The data is dominated by the $\rho\eta$ final state with quantum numbers consistent with the $\rho(1700)$. In addition there are significant contributions from $a_0\pi$, $f_0\eta$, and $a_2\pi$ partial waves.

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[X] Prefer Oral Session
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Special instructions: One of nine E852 abstracts to be presented sequentially if possible.

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