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A Partial Wave Analysis of the $\pi^0\pi^0$ System for the Reaction $\pi^- p \rightarrow \pi^0\pi^0 n$ at 18.3 GeV/c[1] JEFFREY L. GUNTER, *Indiana University, Bloomington for the E852 Collaboration (Brookhaven, Indiana, IHEP Protvino, Massachusetts Dartmouth, Moscow State, Northwestern, Notre Dame, Rensselaer)* — The 1994 data set from experiment E852 at Brookhaven National Laboratory contains approximately 150,000 events identified as $\pi^- p \rightarrow \pi^0\pi^0 n$. A partial wave analysis of these events in several momentum tranfer regions is presented.

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Special instructions: One of nine E852 abstracts to be presented sequentially if possible.

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