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A search for the $b_1\pi$ final state in the reaction $\pi^- p \to \omega\pi^-\pi^0$ at 18 GeV/c[1] JOHN M. LOSECCO, *University of Notre Dame for the E852 Collaboration (Brookhaven, Indiana, IHEP Protvino, Massachusetts Dartmouth, Moscow State, Northwestern, Notre Dame, Rensselaer)* — We search for resonant structure in the $b_1^-\,\pi^0$ and $b_1^0\,\pi^-$ final states. In the flux tube model of QCD these are favored decay modes for exotic J^{PC} mesons since the b_1 is an L=1 $q\bar{q}$ meson. The decay channel followed is $b_1\pi \to \omega\pi\pi \to 5\pi$. This search is carried out in the $\pi^-\pi^-\pi^+\pi^0\pi^0$ channel which has charge -1, and would be isospin 1. A search in $\omega\rho^-$, which shares the same final state has also been done.

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