Dalitz Plot Analysis of $B^+ \rightarrow h^+ h^- h^+$  

TOM LATHAM, University of Warwick, BABAR COLLABORATION — We present preliminary results of a maximum-likelihood Dalitz-plot analysis of the charmless hadronic $B^\pm$ decays to the final states $\pi^\pm\pi^\mp\pi^\pm$, $K^\pm\pi^\mp\pi^\pm$, and $K^\pm K^\mp K^\pm$ from data corresponding to an integrated on-resonance luminosity of $211 \text{ fb}^{-1}$ recorded by the BaBar experiment at the SLAC PEP-II asymmetric-energy $B$ Factory. We measure the total branching fractions and asymmetries and provide fit fractions, fit fraction asymmetries and phases for the intermediate resonance states.

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