

Abstract Submitted  
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**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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