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Study of the decay $B^\pm \rightarrow K_S^0 \pi^\pm \pi^0$ at Babar PAOLO FRANCHINI,
INFN Ferrara, BABAR COLLABORATION — The charmless 3-body decay $B^\pm \rightarrow K_S^0 \pi^\pm \pi^0$ is studied by using a sample of approximately 350 million B -meson pairs recorded at the $\Upsilon(4S)$ resonance by the BaBar detector at the PEP-II B Factory at SLAC. A Dalitz plot analysis is used to infer the amplitudes and phases in decays involving intermediate resonances as well as non-resonant decays.

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