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Measurement of Branching Fraction for B_s -> J/psi f_0(980) and Search for B_s -> hh decays

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We present a measurement of the branching fraction for the CP eigenstate decay Bs->J/ ψ f0(980). The result is based on 23.6 fb-1 of data collected at the Y(5S) resonance with the Belle detector at the KEKB asymmetric e+e- collider. We have also searched for Bs0->hh decays, where h stands for a charged or neutral kaon, or a charged pion. We observe the decay Bs0->K+K- and measure its branching fraction, Br(Bs0->K+K-)=(3.8 -0.9/+1.0 (stat.) \pm 0.5(syst.) \pm 0.5(fs))10-5. No significant signals are seen in other decay modes, and we set upper limits at the 90% confidence level: Br(Bs0->K- π +)<1.210-5, Br(Bs0-> π + π -)<2.610-5 and Br(Bs0->K0 K0bar)<6.610-5.

Primary author: Dr TRABELSI, Karim (KEK)

Presenter: WICHT, Jean (KEK)

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