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Time dependent Dalitz plot analysis of B0->Kspi+piat BaBar

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A time-dependent amplitude analysis of B0->Kspi+pi- decays is performed in order to extract the CP violation parameters of f0(980)Ks and rho0(770)Ks and direct CP asymmetries of K+(892)pi-. The relative phases between B0->K+(892)pi- and $B0->K^*-(892)$ pi-, relevant for the extraction of the unitarity triangle angle gamma, is also measured. The results are obtained from the final BaBar data sample.

Author: ILIC, Jelena (University of Warwick)

Presenter: ILIC, Jelena (University of Warwick)

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