

# LLRF system performance at S1-Global in KEK

*Monday 17 October 2011 12:00 (20 minutes)*

In S1-Global on 2010 and 2011, we have tested total 8 SC cavities (2 cav. from DESY, 2 from FNAL and 4 from KEK) aiming for ILC. The digital FB system using cPCI or uTCA are adopted for vector-sum field regulation. The RF stabilities of 0.007% in amplitude and 17 mdeg. in phase were obtained. Various diagnostics such as on-line quench pulse detector, dynamic detuning monitor were also implemented. The detail of the performance of LLRF system in S1-Global will be reported.

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