

## LESSONS LEARNED FROM THE 9 MA TEST

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### *Abstract*

The ILC Reference Design Report specification pushes the operating envelope in many dimensions of RF power and control. The goal of the “9 mA Test” is demonstrate the feasibility of the ILC Reference Design RF Unit by operating the DESY FLASH accelerator as close to ILC operating conditions as possible. This test is a collaborative effort between DESY, KEK, Fermilab, Argonne and SLAC and has been staged over the last two years, with the most recent tests taking place in September 2009. Test results and analysis as related to the ILC design are presented.

**CONTRIBUTION NOT  
RECEIVED**