
SLAC Contributions to ATF/ATF2 in JY09

Tor Raubenheimer

December 17th, 2008

Future SLAC Contributions

- * Continue substantial engagement in ATF2 commissioning and operation
 - Large group of people directly involved
 - John Amann; Briant Lam; Doug McCormick; Steve Molloy; Janice Nelson; Johnny Ng; Mauro Pivi; Andrei Seryi; Cherrill Spencer; Min-Huey Wang; Glen White; Mark Woodley; Feng Zhou
- * Continue to develop hardware:
 - High Availability Power Supply spares
 - Fast kicker modulator development
 - Improvements to movers, rf BPMs, extraction line BPMs
- * Future projects:
 - Ring LLRF and b2b feedback; multi-OTR ϵ diagnostic; Bi-polar HA power supplies;

Congratulations!

- * Excellent job bringing the project from concept to reality
 - Concept began at Snowmass 2001 → Nanobeams 2002
 - 1st collaboration meeting at SLAC in 2005 followed by rapid development of technical design and coordination for construction

- * Proposed with main 3 goals:
 1. Achieve nanometer-scale spot sizes with routine operation
 2. Demonstrate nanometer-level stability
 3. Provide a visible high-profile demonstration of the capability of an international linear collider collaboration

- * On track for very successful program
 - Provide demonstration of LC collaboration capability