

GFA and SwissFEL Accelerator Seminar

ATF-2: an international telescope for nanometre size electron beams at KEK

Monday, 7 February 2010, 16.00 h, WBGB/019

Dr. Philip Bambade

IN2P3/CNRS et Université Paris XI,

ORSAY CEDEX France



ATF-2 is an international project based at KEK (Japan) to build and operate a scaled-down prototype of the final focus beam line studied for the International Linear Collider (ILC) and Compact Linear Collider (CLIC) projects. The primary project goals are to establish the instrumentation and control techniques needed to maintain a beam focused down to less than 40 nm, stable at the level of a few nm over long periods of time. After a brief reminder of the motivations and design requirements for future linear colliders, the present status of the on-going commissioning of ATF2 will be presented. Prospects and future plans will also be mentioned, including some new ideas discussed in the collaboration to broaden the scientific scope.

From QD20X
to the dump