

Overview and aims of planned IN2P3 contributions

Meeting motivations & organisation

Philip Bambade
LAL-Orsay

ATF2-IN2P3-KEK kick-off meeting,
Annecy, 9-11 October 2006

Main present French ILC activities

- Linac technology: RF couplers, (DESY & TTF) SC cavities (processing & control), cryogenics
- Injectors, sources (Compton based e+)
- MDI & BDS ↔ ATF2 (experimentation)
- Detector R&D: → EM calorimetry (CALICE), Silicon sensors (vertexing & tracking), TPC
- Physics studies, phenomenology
- Communication & outreach

established R&D programs ■■■■▶ contribute to global ILC project

ATF2 = SLAC ↔ KEK + UK (BDS !) + France & others

French effort tightly focused given limited resources : “niches to exploit particular expertise”
(LAL Scientific Council, 09/2005)

ATF2 MoU submitted for signature to CNRS

LAL: beam tuning & commissioning *LC impact*
background calculations
(instrumentation development) *complementary*

LAPP: mechanical support & stabilisation of FD
characterisation & impact in beam operation

LLR: background calculations (algorithm, GEANT4)
(instrumentation to measure in beam operation)

KEK direct partner + UK, DESY, SLAC, CERN, Valencia

LAL: P. Bambade, J. Brossard, B. Mouton
O. Dadoun (2007), M. Alabau Pons (Valencia)
+ ANR post-doc

LAPP: A. Jérémie, F. Cadoux, Y. Karyotakis
B. Bolzon (2007), N. Geffroy (2007)
+ ANR post-doc

LLR: M. Verderi + ANR post-doc

- ANR : three 2-year post-docs
equipment for LAPP
very limited (insufficient) travel & consumables
- AIL (IN2P3/Dapnia + KEK) : travel & transport 2006-07
- JSPS + CNRS : additional travel requested 2007-08
- IN2P3: establish as “project”, request additional
support → travel + staff + post-doc / PhD funds

Motivation for meeting

- review current activities & status in each topic
- help orient and integrate starting IN2P3 effort
- organisation of international participation
 - working groups ?
- CERN table to support FD
 - decide on relevance
 - schedule

Meeting agenda

Monday 9 October

Introductory sessions

chair: P. Bambade

Visit of LAPP installation and CLIC table setup

Background Evaluation (phone)

chair: O.Dadoun

FD support and IP layout

chair: A. Jérémie

Tuesday 10 October

Instrumentation session

chair: J. Jones

FD support and stabilisation

chair: C. Spencer

Optics tuning and commissioning (phone?)

chair: T. Tauchi

Break-out sessions 1) optical tuning strategy

2) relative stability of IP measurement and FD

Wednesday 11 October

FD hardware pending questions (phone?)

chair: R. Sugahara

More discussions

Closing session

chair: J. Urukawa