

Report from ESGARD Meetings

1. R. Aleksan and D. Proch met D. Pasini at EC in April'07. The budget of the IA call is 160 M€. D. Pasini suggests that there is only one IA from the Accelerator community.
2. ESGARD plans to hold at CERN , on September 10-11, a two-day meeting about the IA activities prepared and suggested by the three working groups set up by the committee, a meeting publicly opened to the members of the interested community.
3. ESGARD supported
 - 2 DS: EuroNu (16.6M€ / 5.15M€ EC), EHLAS (3 M€ EC)
 - 2 CNI-PP: SLHC (11.3M€ / 4.9M€ EC), ILCHiGrade (10.6M€ / 7.0M€ EC)ESGARD warned that Technical Activities will be cut in case of budget reduction by EC !
4. The ILC-GDE 'mandated' Phil Burrows to prepare ILC oriented JRA proposals (Damping ring, BDS, Positrons,...)

CNI-PP : SLHC

Second Part: Technical activities

Work Package No	Descriptive Title	Short description and specific objectives of the task	Participants	Total budget (k€)	Requested EC contribution (k€)	Over-heads (k€)
WP4	Technical Work Package 1: Nb-Ti magnet prototype	Design and construction of Nb-Ti quadrupole magnet model of large aperture	CERN CEA (FR) INFN (IT) ??? (US)	2,400	800	480
WP5	Technical Work Package 2: Injector upgrade	1. Design and prototyping of an H-source for the SPL	CERN , CEA (FR) DESY (DE)	2,500	1,000	600
		2. Design and prototyping of the low-level RF for the SPL				
WP6	Technical Work Package 3: Detector powering systems		CERN , RAL (UK) NIKHEF (NL) ??? (RU) BHNL (US)	2,100	700	420
Totals				7,000	2,500	1,500

Participants

Participant no.	Participant organisation name	Country
1 (Coordinator)	Deutsches Elektronen-Synchrotron (DESY)	Germany
2	John Adams Institute for Accelerator Science (JAI)	UK
3	Commissariat à l'Énergie Atomique (CEA)	France
4	European Organization for Nuclear Research (CERN)	Switzerland
5	CNRS - Laboratoire de l'accélérateur linéaire (LAL)	France
6	INFN – Laboratorio Acceleratori e Superconduttività Applicata (LASA)	Italy

Table 1b – List of other organisations involved in the Preparatory Phase

Organisation name	Country	Description of the Organisation / Specific role or contribution to the preparatory phase
ILC Global Design Effort	Global	The geographically dispersed organisation for the design of the International Linear Collider

Objectives

1) There is no doubt that the major technical challenge of the ILC in the preparatory phase is to ensure that the superconducting accelerating structures, currently produced in laboratory conditions in excess of the ILC specification, can be industrially produced with the required reproducibility and field gradient.



Test facility for high gradient cavity and proof of production process.

Technical Framework

- 30 fully dressed cavities, TESLA style
- DESY orders cavities (incl. 150 μ m EP)
 - Treatment DESY and Saclay
 - LAL: couplers
 - INFN-LASA: tuners + He tank
- note: CERN to engage only later in ILC-SCRF after refurbishing infrastructure

using existing infrastructure

ILC HiGrade : overall requested EC support, direct cost only.

