



- Exchange programme for researchers between EU member states, EU associate countries and EU non-associated countries.
- The means to implement the grant are secondments of research and innovation staff (exchanges).
- The financial contribution is fixed on the basis of units-cost. One unit-cost is one personmonth of secondment. Only European personnel is supported by the grant covering a stay in a EU non-associated country.
- The financial support is composed of a *staff member unit cost of 2,000 EUR* per month, plus an *institutional unit cost of 2,500 EUR per person-month*.

Marie	Staff member unit cost [per person-month of secondment] [EUR]	Institutional unit cost [per person-month of secondment]		
Skłodowska- Curie Action		Research, training and networking costs [EUR]	Management and indirect costs [EUR]	
RISE	2,000	1,800	700	

• Institutional budget can also be used to cover networking activities, coordination and management work.

RanDaLF (Research and Development for a future Lepton Facility)

The RANDALF programme is organized along three major lines:

- Development of modern detector technologies.
 - Improvement of the communication and exchange of information on technological developments.
 - Easing the access to industrial capacities in the different countries through local interfaces between the industrial players and members of the consortium.
 - Optimization of the detector designs required to exploit the LC via detailed understanding of the physics performance drivers.
 - Development of a common interface and a flexible software package for data handling. These are major challenges for modern, complex experiments and are key for successful international organization, scientific preparation, and eventual exploitation of any major facility.
- Training of the next generation of scientists in a truly global and cross-cultural manner.
- Communication and disseminate or the actions and the results to a broader public. A central management team will coordinate the activities, and ensure a smooth and focused execution of the programme.



Description: participating Institutes/Groups

N.	Proposer name	Country	Total Cost	%	Grant Requested	%
1	STIFTUNG DEUTSCHES ELEKTRONEN-SYNCHROTRON DESY	DE	360,000	14.52%	360,000	18.26%
2	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES	256,500	10.34%	256,500	13.01%
3	AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE	PL	171,000	6.90%	171,000	8.68%
4	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	FR	99,000	3.99%	99,000	5.02%
5	EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH	CH	27,000	1.09%	27,000	1.37%
6	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	FR	310,500	12.52%	310,500	15.75%
7	STICHTING VOOR FUNDAMENTEEL ONDERZOEK DER MATERIE - FOM	NL	90,000	3.63%	90,000	4.57%
8	FYZIKALNI USTAV AV CR V.V.I	CZ	36,000	1.45%	36,000	1.83%
9	MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V.	DE	54,000	2.18%	54,000	2.74%
10	SCIENCE AND TECHNOLOGY FACILITIES COUNCIL	UK	229,500	9.26%	229,500	11.64%
11	TEL AVIV UNIVERSITY	IL	153,000	6.17%	153,000	7.76%
12	THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD	UK	36,000	1.45%	36,000	1.83%
13	INSTITUT ZA NUKLEARNE NAUKE VINCA INTER-UNIVERSITY RESEARCH INSTITUTE	RS	148,500	5.99%	148,500	7.53%
14	CORPORATION, HIGH ENERGY ACCELERATOR RESEARCH ORGANISATION	JP	171,000	6.90%	0	0.00%
15	SLAC National Accelerator Laboratory	US	58,500	2.36%	0	0.00%
16	NATIONAL UNIVERSITY CORPORATION KYUSHU UNIVERSITY	JP	148,500	5.99%	0	0.00%
17	NATIONAL UNIVERSITY CORPORATION TOHOKU UNIVERSITY	JP	36,000	1.45%	0	0.00%
18	University of Tokyo	JP	94,500	3.81%	0	0.00%
	Total:		2,479,500		1,971,000	



Work package No	Work Package Description	Activity Type	Number of person months involved	Start month	End Month
1	Management, Communication and Outreach	Management and Dissemination	8	1	48
2	Development of technologies for modern detectors in particle physics at future electron positron colliders	Research	283	1	48
3	Investigation and development of possible physics scenarios which will have an impact on the design of future electron positron colliders	Research	108	1	48
4	Software tools and data handling	Research	39	1	48



Project coordinator: JF

Coordinating Institute: DESY

Work Package leaders

1	Ties Behnke, Marcel Stanitzki, Philip Burrows
2	Felix Sefkow, Maxim Titov
3	Jenny List, Roman Poeschl
4	Frank Gaede, Andre Sailer



Total score received: 73,2 / 100 (Threshold 70)

Criterion 1, Excellence (3,3 / 5.0; w: 50% of total score) (between good and very good) Criterion 2, Impact (3,9 / 5.0; w: 30% of total score) (between good and very good) Criterion 3, Implementation (4,2 / 5.0; w: 20% of total score) (between very good and excellent)

Summary of main criticisms:

- C1:
 - 1. Added value of proposed activity not clear, with respect to other work already being performed by the LC community
 - 2. Lack of industry participation
 - 3. Common work and scientific links among groups not well explained/described
 - 4. Scientific case for ILC not well described

• C2:

- 1. ILC/CLIC no yet approved. Risk of community to disappear before end of project
- 2. Use of detector R&D beyond particle physics
- 3. Impact description too generic

• C3:

- 1. Too wide scope for WP2
- 2. Improve risk mitigation



Main issues to solve and to be included in a view of future new application:

- C1:
 - 1. Show the added value of this project with respect to already existing activities:
 - Define original activities only performed under RANDALF-II and only possible by a cooperation Europe-Japan-US/SLAC);
 - Important to show that the work developed follows recommendations from European bodies, ACFA, etc.;
 - 2. Include industrial participation (creation of a new WP to develop this possibility);
 - 3. Make more clear the relation and common work between the groups Europe-Japan-US/SLAC;
 - 4. Make more explicit the physics case of the LC;

• C2:

- 1. Stability of the activity: define goals and work plan towards next update of the European Strategy;
- 2. Try to define the work more in synergy under the scientific defined programmes of: ECFA, CERN, DESY, KEK;
- 3. Get formal support for the work to be developed in RANDALF from above Institutions. Get their recognition of RANDALF-II as useful tool to achieve their strategic plans;
- 4. Include "applications" of technologies in other experiments and specially beyond particle physics. Identify potential users;

C3

1. Extend the scope and activities beyond ILC;

- New title being considered: JAE-RANDALF ??
- New groups joining:
 - Institute of Nuclear Physics of Polish Academy of Sciences, IFJ PAN, Krakow-Poland. P. Kapusta
 - Pacific Northwest National Laboratory PNNL-USA. J. Strube
- Revise total/individual request of secondments
- Proposed Agenda 2016:
 - 1. End-March: Production of new draft of the document (V1).
 - 2. April 8th: Deadline for comments on version V1.
 - **3.** April **15**th: Production of new draft of the proposal (V2).
 - 4. April 22th: Final version of the document.
 - 5. April 28th: Deadline.

Meetings among all participants are expected after each version being released.

Meetings among working group coordinators are foreseen every (around) two weeks.



Summary

Let's do it !!!