

Collection of Funding Opportunities Japan - “Rest of the world”

Roman Pöschl



Let me thank to those colleagues who have answered to my small survey

ILC Europe Meeting 9/12/22

- **EA-JADE**

- European project to fund secondments in Japan, US and the UK
 - Successor of E-JADE (2015-2020)
- Target: All type of researchers and engineers including PhD Students
- One of the easiest way to get funding since approved project
- Minimum stay to be eligible for funding 1 month (can be accumulated)
- Accelerator oriented but can be with some phantasy extended to detector oriented work in particular MDI

Table 1 – Work Package (WP) List

Work package no.	Work package title	Activity type	Number of person-months involved per secondment	Lead beneficiary	Start month	End month
1	R&D&I at currently operating state-of-the-art facilities	Research, training	143	CNRS	1	48
2	State-of-the-art high-gradient, high-efficiency, reduced-cost radio-frequency structures and power sources	Research, training	68	INFN	1	48
3	Special technologies, devices and systems performance	Research, training	74	CERN	1	48
4	Sustainable technologies for scientific facilities	Research, Training	12	CEA	1	48
5	Investigation of potential early applications of novel and advanced technologies for colliders	Research, training	52	DESY	1	48
6	Management, dissemination, training, knowledge transfer, and communication	Management, training, dissemination, communication	4	DESY	1	48



- In uncertain times for the ILC (and all other future facilities) it is difficult to get funding for studies that are dedicated or at least useful for the ILC
- In the foreseeable future we may have to rely on projects/programs that do exist and that allow us to keep things in flow w/o too much administrative overhead or big new funding requests
- On the other hand a serious assessment of a topic needs always more than an isolated student or postdoc
- The knowledge of funding opportunities may allow for fostering at least smaller networks to carry out common studies
- The knowledge may be valuable to “easily” connect the ILC-Japan efforts to activities outside of Japan
- These projects should target in particular master students, PhD students and postdocs such that they learn about the ILC .

- **TYL/FJPPL (CNRS/CEA – KEK. since 2007)**
 - “Virtual” Laboratory with that run common projects
 - Regular annual meetings
 - Funding essentially for student exchange, ideal to start projects
- **Since recent CNRS “International Research Laboratories” (IRL)**
 - <https://international.cnrs.fr>
 - Fully legal CNRS research entity, i.e. French researchers can be associated to such a lab
 - Longer stays abroad are encouraged
 - ILANCE with Tokyo U (Neutrinos, Cosmology, an IRL with KEK is in the making
 - Backbone are common research projects between French and Japanese researchers
- **University agreements**
 - e.g. MOU on student and staff exchange between UPSaclay and Tohoku U
 - Common PhD theses
 - Two ongoing (UPSaclay(IJCLab)/Tohoku U and UPSaclay(Irfu)/Sokendai)
 - UPSaclay is very keen on this cooperation with Japan, relatively “easy” funding for PhD theses
 - Note in passing that the ex-president who has signed “our” PhD agreement is now the French Minister for Research and Higher Education
 - There are for sure more, I'll continue to inquire

Source Mail by Francesco Forty

From Italy there are some specific agreements for the experiments INFN-KEK (one for Belle II and one for T2K).

There is an agreement between physical societies

SIF-JPS:

https://www.primapagina.sif.it/article/1219/new-collaborations-between-the-physical-society-of-japan-jps-and#.Y20g_ewo8c0

Cooperation agreement on science and technology

EU-Japan: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A22011A0406%2801%29>

There is a general cooperation agreement between Italian government and Japan:

https://www.esteri.it/mae/resource/doc/2021/01/pe_signed_italy_japan_s_38_t_protocol_2021_2023.pdf

and bilateral agreement CNR - JSPS:

<https://www.cnr.it/en/bilateral-agreements/agreement/14/jsps-japan-society-for-the-promotion-of-science>

Answer by Sergey Bolemsstnykh of FNAL (and Andy White of UTA)

US-Japan Science and Technology Cooperation Program in High Energy Physics is an on-going program that awards funding for cooperative R&D between the US and Japan every year. Some of the awards cover topics related to the ILC. The awards are relatively small, and the main goal of the program is to promote collaboration between the US and Japanese scientists (travel to participate in meetings and experiments, information exchange, etc.) Although some budget is available for R&D efforts.

e.g. ongoing: UTA has proposed cooperation with Wataru Ootani (U. Tokyo) on Scintillator/SiPM Hcal
The U.S. Department of Energy's Office of HEP has an ongoing General Accelerator R&D Program. Some of this program's topics are synergistic with the ILC developments, and we obviously collaborate with our Japanese colleagues on those topics.

The US scientists continue to participate in the ILC IDT meetings and planning activities.

For PhD students exchange, we have Ozaki Exchange Program which is “Encouraging and funding the exchange of graduate students between Japan and the United States to strengthen U.S.-Japan scientific collaboration and facilitate cooperation in accelerator and particle physics.”

- Your input is welcome
- New countries, complementing existing information
 - Further information obtained on private basis does exist