

PhD co-supervision

Jennifer-2 WP6 Task 6.4

Philip Bambade
IJCLab-Orsay

PhD Co-Supervision

PhD Student	Institute	Team Leader	PhD Supervisor	Thesis Title	PhD Period	Secondment Topic	Supervisor in Japan	Secondment Period	Secondment Location	Secondment Report	Paper and/or talk
Luigi CORONA	Pisa	Stefano BETTARINI	Francesco FORTI	Searches for dark sector particles with Belle II	Nov. 2018 – Oct. 2020	Belle II SVD operation coordinator and physics software. Dark sector searches.	Katsuro NAKAMURA	15/1 – 15/4/2020	KEK		
Michel BERTEMES	Vienna	Christoph SCHWANDA	Gianluca INGUGLIA	New physics in the dark sector with Belle II	Sept. 2018 – Aug. 2021	Data taking and work on tools to monitor specific dark sector triggers. Liaison between physics analysis and trigger group.	Yoshihito IWASAKI	1/9 – 30/11/2020	KEK		
Rajesh KUMAR MAITI	Vienna	Christoph SCHWANDA	Gianluca INGUGLIA	Dark sector search in the context of a muonic dark force	Sept. 2019 – Aug. 2022	Data taking and work on tools to monitor specific dark sector triggers to become a trigger expert.	Yoshihito IWASAKI	5/1 – 30/4/2021	KEK		
Riccardo MANFREDI	Trieste	Lorenzo VITALE	Diego TONELLI	Analysis of charmless $B \rightarrow \rho \rho$ decays in Belle II data	Nov. 2019 – Oct. 2022	Develop angular fit for $B \rightarrow \rho \rho$ decay	Alessandro GAZ	1/6 – 31/8/2021	KEK / visits in Nagoya		

Ended early... acknowledgment in thesis

Cancelled...

Model for application form

Name of PhD student:

University / department / doctoral school of PhD student:

Period of enrollment / expected completion of PhD thesis:

PhD topic / thesis title (if already fixed):

JENNIFER2 team leader at beneficiary institution:

PhD supervisor(s) at beneficiary institution:

Co-supervisor at Japanese host institution (if identified):

Secondment project title:

Period of secondment (minimum 3 months):

Brief description of work / study to be pursued during the secondment (1/2 to 1 page):

Any additional comment / considerations (max. 10 lines):

Support for co-supervised PhD students

- A. Administrative (JENNIFER2 + Japanese institution)
 - hosting arrangements during secondment (office space, computing, housing, medical insurance, transport, banking, support for language/translations, specific family/children requirement...)
 - usually already well covered...

- B. local supervision arrangements
 - under responsibility of applying group
 - usually already well covered...

- C. financial support to attend international conference or workshop
 - student talk or poster
 - brief report on secondment (achievements, results, future prospects, issues...)
 - 1200 euros / student (registration, travel + accommodation, invoice from home institution)

- D. “JENNIFER2 Best PhD Award” in last year of JENNIFER2
 - award session during final JENNIFER2 meeting.

Extra slides

Aims of JENNIFER2 support program for “long term” PhD secondments

1. ensure highest possible quality hosting arrangements during secondments
→ local technical/scientific supervision + practical and cultural integration
2. promote dissemination of PhD project results in relevant science communities
3. improve visibility of involved PhD students → important to boost their future careers

Practical aspects and considerations

- beneficiaries nominate ~ 1 suitable student using their secondment budgets
→ submit short application
- ideally during 2nd year of PhD (defense before end of JENNIFER2 in March 2023)
- duration ≥ 3 continuous months
- tasks / activities = meaningful part of PhD project
- realistic work plan ~ achievable during secondment
- local co-supervisor in Japan
→ identified in application
→ acknowledged in thesis (minimum requirement...)
→ official co-supervisor / thesis defense committee member (depends on university rules)
- “cotutelle” agreement ? (should be decided at start of PhD...)

3. Impact

3.1 Enhancing the potential and future career prospects of the staff members

In particular JENNIFER2 work packages 1-5 involve the training of significant numbers of doctoral students (ESRs), in both the European and Japanese universities associated to the project. In many cases, the **European ESRs** will be **seconded to KEK or J-PARC for extended research visits**, as part of their **doctoral studies**, through the **JENNIFER2** project. As part of WP6, a task is defined to manage these exchanges, in particular to **ensure proper supervision and support** of the ESRs during their extended stays. The host lab (**KEK or J-PARC**) will **provide a scientific or technical co-supervisor**, as well as **administrative support and hosting arrangements**. The task within WP6 will consist in preparing the visits, by reviewing its work, by ensuring that a **Japanese co-supervisor** is nominated, and by monitoring the progress during the visit. Where permitted by individual university regulations, the **co-supervision will be officialised in the PhD title**. Moreover, JENNIFER2 management will foster the conclusion of inter-university agreement which **recognize double PhD to co-supervised students**.

3.4 Quality of the proposed measures to communicate the action activities to different target audiences

As described in section 3.1, JENNIFER2 WP6 includes also a training activity aimed to PhD students, based on medium and long duration stays in Japan and providing a **co-tutorship program**.

4. Quality and efficiency of the implementation

WP6 Communication and Outreach

Task 6.4: PhD thesis co-supervision: Provide joint European and Japanese supervision for a number of PhD students in flavour and neutrino physics during their secondments to JENNIFER2 partner institutions.

Training activity for PhD students involved in the project. A number of **3 or more months secondments are reserved for European PhD students** working in one of the beneficiary institutions. They will allowed to develop their research program through a medium duration stay in the partner organizations, where a **co-tutorship** will be provided. The hosting lab will provide also **assistance for accommodation and for cultural integration** in Japan

Deliverable 6.5: co-supervision of PhD students seconded for longer periods (month 48) → REPORT