



Proto-Council meeting march 11<sup>th</sup> 2019

- Remind project composition, deliverables and budget
- Review common activities and their cost
- Define Common Fund
- Plan Kick-off meeting: when and where
- Participation to EU open day ?
- AOB



	Number of units (person- months)	Maximum grant amount <sup>3</sup>
1. INFN	159.00	731 400.00
2. DESY	81.00	372 600.00
3. OEAW	22.00	101 200.00
4. JSI	28.00	128 800.00
5. CNRS	40.00	184 000.00
6. CEA	21.00	96 600.00
7. QMUL	45.00	207 000.00
8. UKRI	33.00	151 800.00
9. UKP	9.00	41 400.00
10. IFJ PAN	18.00	82 800.00
11. NCBJ	25.00	115 000.00
12. TAU	6.00	27 600.00
13. METU	6.00	27 600.00
14. UNIGE	24.00	110 400.00
15. IFAE	12.00	55 200.00
16. FBK	1.00	4 600.00
17. CAEN	3.00	13 800.00
<b>Total consortium</b>	<b>533.00</b>	<b>2 451 800.00</b>

+ KEK and U-Tokyo  
as japanese partners

KEK will take 2 months secondments to INFN,  
funded on INFN budget.

# JENNIFER2 structure

	Person months:
<b>WP1:</b> Belle II data analysis.	<b>220</b>
<b>WP2:</b> T2K upgrade and data analysis.	<b>138</b>
<b>WP3:</b> Towards HyperK.	<b>85</b>
<b>WP4:</b> Photodetectors R&D.	<b>34</b>
<b>WP5:</b> Computing and common techniques.	<b>56</b>
<b>WP6:</b> Communication and outreach	<b>0</b>
<b>WP7:</b> Management	<b>0</b>
<b>Total: 533 p.m.</b>	

# WP1

**Task 1.1: Detector performance**

**Task 1.2: CP violation**

**Task 1.3: LFV**

**Task 1.4: Dark sector**

**Task 1.5: Quarkonium**

## Deliverables

D1.1	Publication on detector Performance	1 - INFN	Report	Public	48
D1.2	Publication on CPV	3 - OEAW	Report	Public	48
D1.3	Publication on LFV and LFUV	2 - DESY	Report	Public	48
D1.4	Publication on dark sector	3 - OEAW	Report	Public	48
D1.5	Publication on Spectroscopy	4 - JSI	Report	Public	48

## WP2

**Task 2.1: Construction and Commissioning of Near Detector ND280**

**Task 2.2: Construction and Commissioning of Super FGD**

**Task 2.3: Neutrino cross section measurement**

**Task 2.4: Oscillation analysis**

### Deliverables

D2.1	Paper on the upgraded ND280	1 - INFN	Report	Public	48
D2.2	Report on neutrino cross section on Carbon and Oxygen	15 - IFAE	Report	Public	48
D2.3	Report on electron neutrino cross section	1 - INFN	Report	Public	48
D2.4	Report on CP violation phase sensitivity	5 - CNRS	Report	Public	48

## WP3

**Task 3.1: Gadolinium doped WC study**

**Task 3.2: WC calibration system**

**Task 3.3: HK outer detector design**

**Task 3.4: Low noise FE for large area PMTs**

**Task 3.5: HK simulation**

### Deliverables

D3.1	Decision on UV system to measure Gd concentration	8 - UKRI	Report	Confidential, only for members of the consortium (including the Commission Services)	30
D3.2	Technical note on Outer Detector	7 - QMUL	Report	Public	36
D3.3	Final report on low noise front end electronics	14 - UNIGE	Report	Public	48
D3.4	Full simulation and analysis with final photosensors	7 - QMUL	Report	Confidential, only for members of the consortium (including the Commission Services)	48

## WP4

**Task 4.1: SiPM in neutron irradiated areas**

**Task 4.2: Long lived MCP PMTs**

**Task 4.3: Multi PMTs for large WC detector**

**Task 4.4: Organic photosensors**

### Deliverables

D4.1	Training pn photodetectors at NDIP	4 - JSI	Other	Public	18
D4.2	Report on MCP-PMT lifetime optimization	1 - INFN	Report	Public	24
D4.3	Realization of a mPMT prototype module	1 - INFN	Demonstrator	Public	24
D4.4	Report on SIPM prototype tests as single photon counters	4 - JSI	Report	Public	35
D4.5	Report on organic photodetectors	1 - INFN	Report	Confidential, only for members of the consortium (including the Commission Services)	48

# WP5

**Task 5.1: Common Computing and data handling**

**Task 5.2: Common DAQ and remote controls issues**

**Task 5.3: Statistical methods for analysis combination**

**Task 5.4: Generators and phenomenology**

## Deliverables

D5.1	Common Cloud Computing demonstrator	2 - DESY	Demonstrator	Confidential, only for members of the consortium (including the Commission Services)	36
D5.2	Joint workshop on real time techniques	7 - QMUL	Other	Public	36
D5.3	Reference Statistical Report	6 - CEA	Report	Public	36
D5.4	Common Physics Workshop	5 - CNRS	Other	Public	48



# WP6

**Task 6.1: Masterclasses bot flavour and neutrino physics**

**Task 6.2: Summer students at KEK**

**Task 6.3: Coordination of outreach to general public**

**Task 6.4: PhD co-supervision**

## Deliverables

D6.1	T2K Masterclasses	1 - INFN	Other	Public	48
D6.2	Summer School	12 - TAU	Other	Public	24
D6.3	Outreach Portal	1 - INFN	Websites, patents filling, etc.	Public	24
D6.4	PhD students co-supervision	5 - CNRS	Other	Public	48

## ***Presented in Paris:*** Main items to be organized

### **Urgent items in red:**

- Management structure: it's new, should work better
- More efficient Secondments management: **Office 365 ?**
- Common Fund: to cover what, how much.
- Website: it's our public image. Consider also a social media presence.
- Kickoff meeting
- Define and start facing technical problems for outreach activities
- Implement Data Protection regulation
- Comply to Open Access requirements
- Take care with ethics issue connected to export materials and devices.

# JENNIFER2 secondments

We have to learn from past experience.

**AUDIT** confirmed that few things really matters: accounting of exact travel dates, contract status of seconded people, secondments payment documentation

We tried to make an internal secondment DB also at beginning of JENNIFER, but was not so helpful and was not used

**We need a simple and helpful online tool that every body uses to program secondments, ask for declarations, check his/her status.....**

A RISE project coordinated by Northumbria University at Newcastle (UK) has produce a very nice secondment management tool based on OFFICE 365. I am in contact with them and will make some tests of it: if valuable, we can adopt it.

# Common Fund

## Main items to cover:

- Summer student program: 2 editions. **See Abi slides**
- Project yearly meetings: **Europe of Japan? Covered by CF or not?**
- Photosensor training for PhD students at NDIP 2020 conference. **Decide budget: 5÷10 k€**
- Project Website. Outreach events network website: **2-3 k€ each? (very cheap...)**
- Masterclass support: **I would leave it to local groups**
- DAQ and remote control workshop (WP5). **Assign a basic budget (5 k€?) and then local organizers will find the rest**
- Common physics workshop (WP5). **As the above one**

## Project meetings:

- Mid Term review must be in Europe in second year.
- Kickoff meeting and the other 2 project general meetings could be both in Europe or in Japan. Japan is cheaper for us (use secondments), but more difficult to find a date suitable for both communities.
- If in Europe: travels paid by CF or by institutions (using B1 quota from secondments) ? Small groups may have problems to participate if we do not use CF

## Common Fundf rough estimate:

what	how much high	how much low	how many	full cost high	full cost low
Summer students	43000	25000	2	86000	50000
J2GM	18000	5000	3	54000	15000
mid term review	20000	20000	1	20000	20000
Training at NDIP	10000	5000	1	10000	5000
project web	3000	2000	1	3000	2000
outreach web	3000	2000	1	3000	2000
DAQ workshop	5000	5000	1	5000	5000
Physics workshop	5000	5000	1	5000	5000
Total				186000	104000
% of total budget				7,59%	4,24%

**Can we envisage a 2 step definition of CF?**

**We start now with a guess and we adjust it in RP2**

# KICKOFF meeting

Start thinking where and when.

**When:** in the first 6 months of the project. Find a suitable time for everybody:

- End of may-Beginning of june? (Belle II is taking data....)
- End of june-beginning of july (clash with conferences?)
- September? I would not go later....

**Where:**

Rome (or Italy) is an option. Vienna was also ready for last JGM and would be a good solution. Other may volunteer. Japan is also an option, but for kickoff I have a preference for Europe.

PO must be invited, but can join physically only if meeting is in Brussels. Otherwise will connect remotely.

# JENNIFER2 at EU Open day , may 4th 2019

We have been included in shortlist of projects.

Should present Belle II VR platform + anything additional (easy) stuff

Very good occasion for project promotion

Open day from 10 AM to 7 PM.....need 2 teams of people to send there:

3 persons per team: 2 for VR and 1 for project promotion/explaining

WE have to pay with project money: assume 3 keuros.

Need Consortium approval, and volunteers