

WP6: Outreach and Communication

Zdeněk Doležal

4th Jennifer2 GM

3 Apr 2025

WP6 tasks

No	Task	Deliverable	Month
6.1	Masterclasses on flavour and neutrino physics	Belle II/T2K masterclasses organization in JENNIFER2 Belle II institutions	36/48
6.2	Summer School for physics students at KEK	2 summer student institutes at KEK	24/48
6.3	General public science communication	Outreach web portal with links to outreach events of JENNIFER2 institutions	24
6.4	PhD thesis co-supervision	Co-supervision of PhD students seconded for longer periods	48

Task 6.1

No	Task	Deliverable	Month
6.1	Masterclasses on flavour and neutrino physics	Belle II/T2K masterclasses organization in JENNIFER2 Belle II institutions	36/48

Situation:

- Belle II masterclasses very strong.
- Neutrino masterclasses still being wished...

On a positive note:

- Neutrino community does outreach, but not Masterclasses
- IPPOG (guarantor of IMC) does not allow using simulations for the IMC, just real data. Does HyperK have real data?
- Could we argue there are other valuable neutrino outreach events inspired by IMC?

Task 6.2

No	Task	Deliverable	Month
6.2	Summer School for physics students at KEK	2 summer student institutes at KEK	24/48

Done!

Task 6.3

No	Task	Deliverable	Month
6.3	General public science communication	Outreach web portal with links to outreach events of JENNIFER2 institutions	24

Not completed: no interest to have a joint EU outreach portal in ?English?

Extensive info at web on topics of J2 exists with strong contribution of J2 members

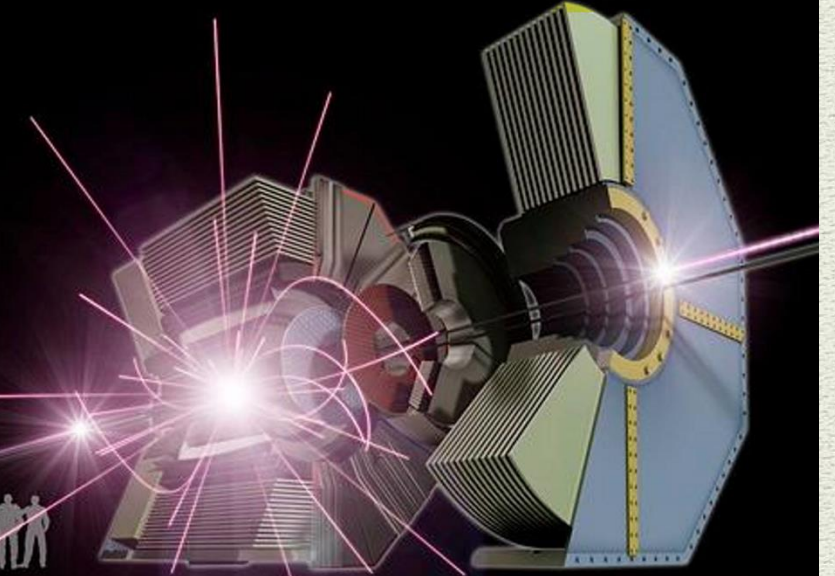
- Belle II Masterclasses portal
- General HEP outreach portal maintained by J2 members

Existing WWW info for public (few examples)

- Public lectures during Festival of Science in Warsaw (given in Polish by Joanna Zalipska, NCBJ)
 - 2020 “Wielkie wodne detektory neutrin”
 - 2022 “O wiercących się neutrinach”
 - 2024 “Nuetrina z kosmosu – czy potrafimy je złapać na Ziemi?”
- Masterclass in High School in Tychy, May 2024 (given in Polish by Joanna Zalipska, NCBJ) “Fizyka cząstek – o co w tym chodzi?”

Neutrino
outreach

EMATICKO-FYZIKÁLNÍ FAKULTA UNIVERZITY KARLOVY
LUPRÁCI S GYMNÁZIEM CHRISTIANA DOPPLERA POŘÁDÁ



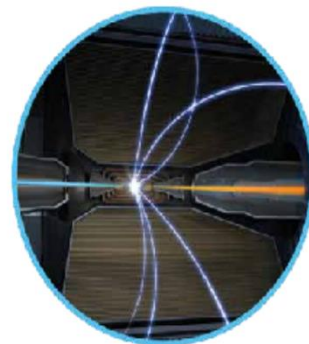
19. marec 2025, Institut Jožef Stefan v Ljubljani



Predstavitev osnov raziskav v fiziki delcev, kozmologije in hadronske terapije.

Analiza pravih podatkov detektorjev ATLAS in Belle II in simulacija radioterapije z izdelavo načrta za zdravljenje raka.

Virtualni srečanje na Belle II na japonskem



PHYSICS MASTERCLASSES Hands on Particle Physics

Přijďte se ponořit do tajů hmoty a anti-hmoty na skutečných datech z jedinečného experimentu Belle II v japonské Cukubě nedaleko Tokia. Akce bude zakončena mezinárodní konferencí.

PROGRAM

- 9:30-11:15 přednášky
- 11:15-12:15 hrátky s detektorem částic, virtuální realitou a debata o Japonsku
- 12:30-13:30 oběd
- 13:30-15:45 instruktáž k hledání částic, praktické cvičení, debata nad výsledky
- 16:00-17:00 videokonference

vice informací



GYMNÁZIUM
CHRISTIANA DOPPLERA
PRAHA 5

23. BŘEZNA 2023 9:30-17:00

reportáž
z minulého
ročníku



Task 6.4

No	Task	Deliverable	Month
6.4	PhD thesis co-supervision	Co-supervision of PhD students seconded for longer periods	48

- Many PhD students took part in secondments for longer periods
- They received mentorship and supervision from Japanese and other colleagues and utilized this in their PhD completion
- Trying to collect the list of participating PhD students (plea for info past week, thanks for responses, please respond if you did not)
- Current statistics: 39 PhD students in the list, (29 M, 10 F), 10 out of them defended.

Thanks!

International Masterclasses IPPOG's Flagship

- High school students (15 – 19) are „scientists for one day“
- Get invited to a research institute or university
- Introductory talks (standard model, detectors, accelerators)
- 2 h measurement with real experimental data
- *International* video conference (2 – 5 inst. + CERN/Fermilab)

