

Belle II Masterclasses

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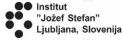


IMC Program support - JENIFFER2 project (H2020 MSCA RISE)





BELLE II IMC IN 2022





Back to live masterclasses (1/2 still online) – 216 students

- The events announced through IMC and Belle II collaboration channels
 - **Europe** 3 events with a final video conference
 - 1 planned event for Japan cancelled due to Covid

	Institutes	Participants
Mar. 7 2022	4	90
Mar. 16 2022	4	71
Mar. 23 2022	3	75

- Tutorial, Jan.25 @Belle II General Meeting,
 - Question time, Mar.2
- Video conference with live connection to Belle II control room live earthquake during 2nd VC.
- Quiz: own application and voting system allows group ranking.
- FPCP2022 event @ Uni. Mississippi









BELLE II - EXERCISES



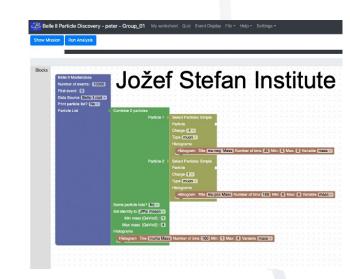


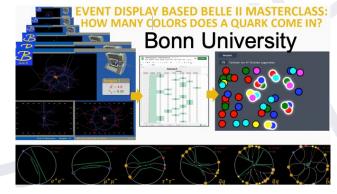
Two exercises – Choose one or do both:

- Spectroscopy search for new particles 10 MEvents
 - https://belle2.ijs.si/masterclass/
 - Online server
 - o able to handle more than 250 parallel users
 - Event display added (not used before)
- ❖ New in 2022: Measure quark colors
 - similar to LHC experiments
 - https://belle2.ijs.si/public/home/quark-colors/
 - Limited sets of events



2022: 7x exercise (old) 2x exercise 2 (new) 1x both









FPCP 2022 OUTREACH

Report from Jake Bennett, main organizer

FPCP masterclass at the University of Mississippi

- Following FPCP2022 at the University of Mississippi
 - Public event, advertised on campus, in Oxford, and to high schools in the region
 - Held on Friday afternoon from 3-6 pm
 - About 25 "students"
 - Brief introduction (slides and particle cards activity) and then two "masterclass morsels" on Minerva and Belle II
 - Coupled with QuarkNet (teacher training program) workshop on Saturday to discuss particle lifetimes
- Overall very well received!
- Hope to leverage this experience to join/lead a larger masterclass event in the future









PLANS

- March time slot overlap with:
 - CERN IMC
 - Final exams approaching for last year high school students
 - STEM olimpiades
 - Is there an interest to move the event to September/October? Your opinion/position very welcome
- Organize IMC in Japan and in the US
 - takes some effort from participating institutes.
 - Shall we appoint JP and US coordinators/ promotors?
- Enable prospective students to take part in the exercises throught the year
 - Improvements in the documentation short videos
- Active participation of sites in the development SEARCHING FOR VOLUNTEERS!!
 - Upgrades in the Belle2Lab exercise:
 - Tutor page: easier selection of results
 - Admin: webs setup of the events
 - Kahoot quiz: is this an alternative to our quiz? Anybody with an experience?



