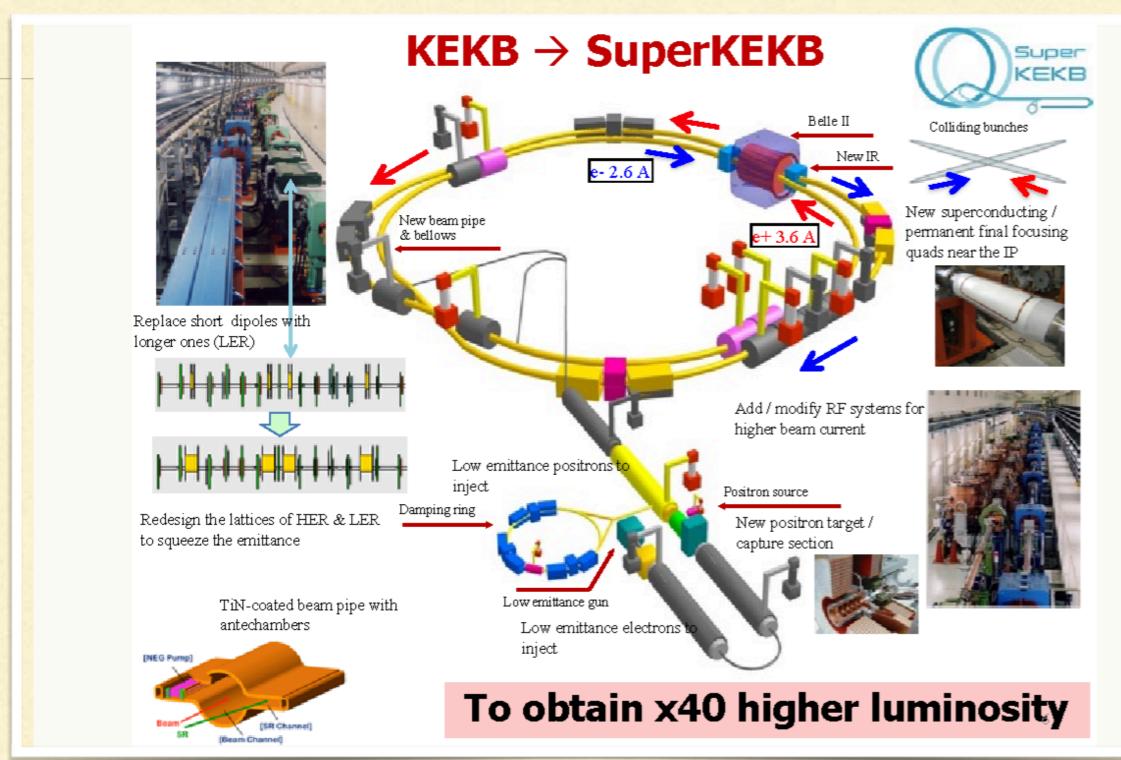
BELLE II EXPERIMENT

Z. Dolezal, IPPOG CB meeting Nov 2017

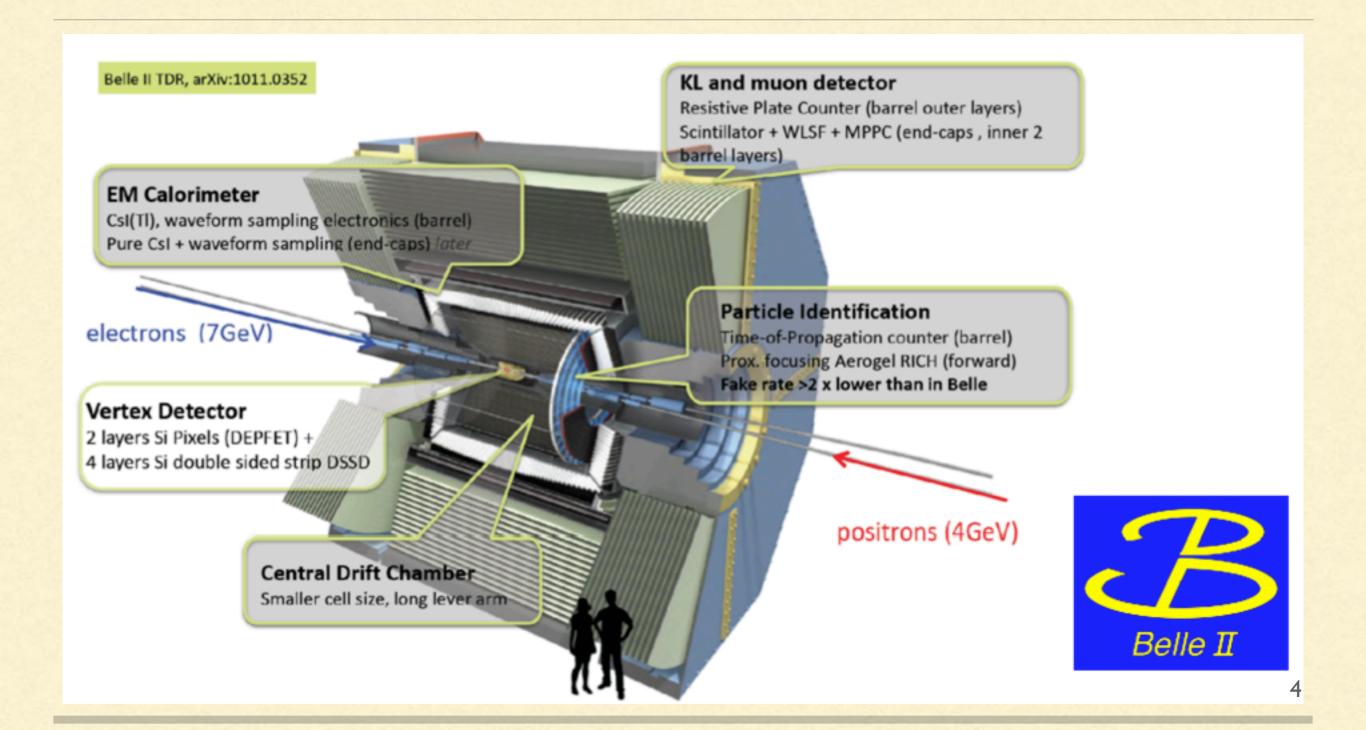
EXPERIMENT

- Asymmetric energy e+e- collider (B-factory) upgrade SuperKEKB producing Y resonance which decays to B-mesons
- CP Violation and BSM studies (matter-antimatter asymmetry)
- Upgraded experiment starts data taking in 2018

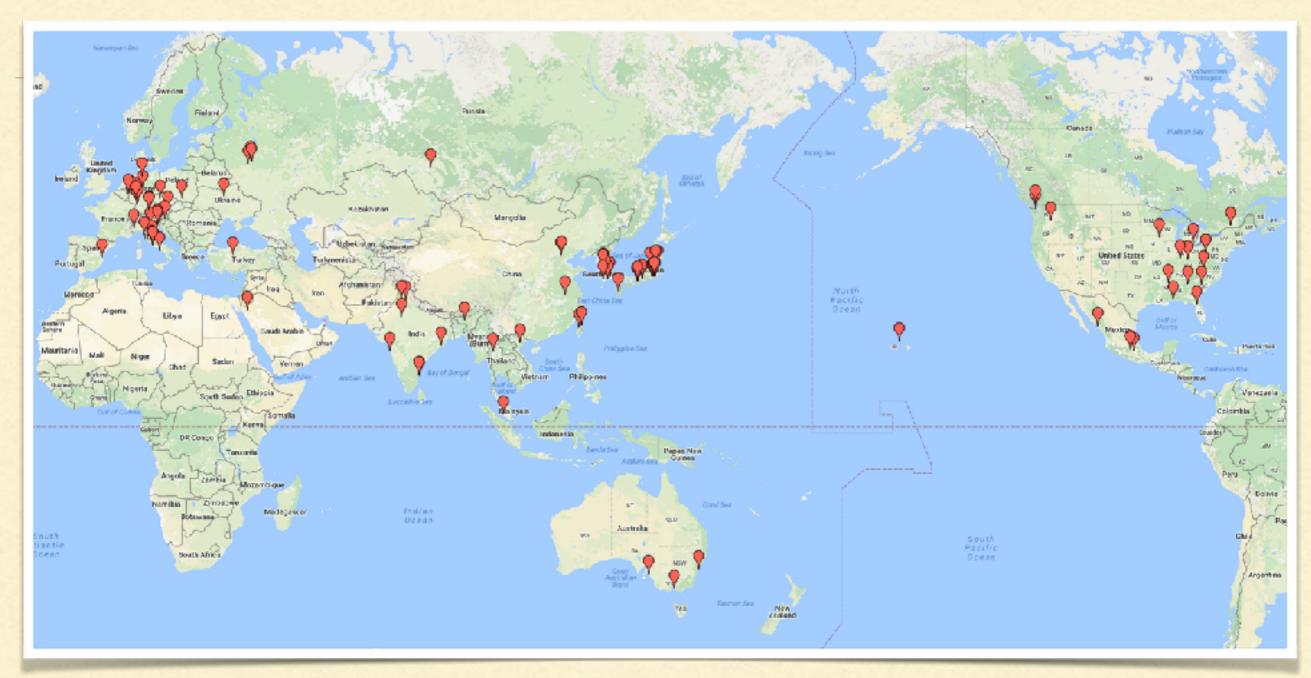
ACCELERATOR UPGRADE



DETECTOR UPGRADE



COLLABORATION

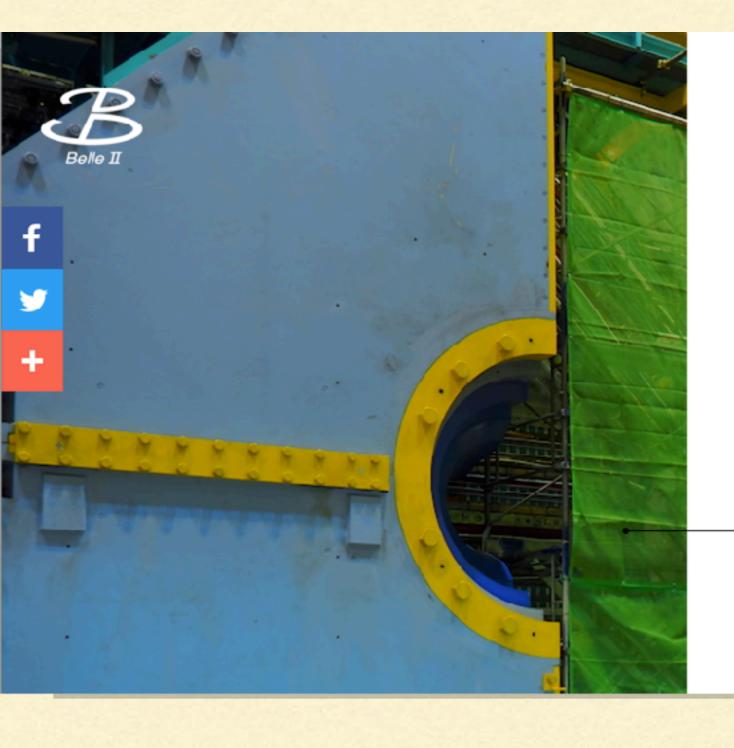


775 colleagues, 105 institutions, 25 countries

OUTREACH ACTIVITIES

- Outreach group active
- Social network activities:
 - <u>belle2.jp</u> (general public page)
 - Twitter (400 followers, 10 posts/month)
 - Facebook (900 followers, 10 posts/month)
- Masterclass preparations
- Virtual reality application
- Photography competition
- Lectures, analysis camps, articles, etc., events: first collisions

WEB: BELLE2.JP



Welcome to the Belle II Experiment

In the big bang, matter and antimatter should have been created in equal amounts. But why is the universe today filled almost only with matter?

FACEBOOK, TWITTER

Today is #darkmatterday. Read more about dark matter research at #Belle2 at belle2.jp/discover... twitter.com/i/web/status/9...



Belle II Experiment

@belle2collab . Oct 31

A high profile Slovenian scientific and ambassadorial delegation met with Prof. M. Yamauchi, Director General of... twitter.com/i/web/status/9...



Belle II Experiment

@belle2collab . Oct 8

The assembly of the Silicon Vertex
Detector of the #Belle2 experiment
has started! read more:...
twitter.com/i/web/status/9...





Winning entries in the 6th photography competition are from E. Graziani, H. Atmacan, and M. Friedl #b2gm #belle2



Belle II Experiment

@belle2collab . Oct 13

been combined and carefully transported to the #Belle2 detector.... twitter.com/i/web/status/9...



Belle II Experiment

@belle2collab . Oct 6



The 3rd general meeting of the JENNIFER consortium was held at @KEK_en: www2.kek.jp/ipns/en/post/2... #Belle2



Belle II Experiment

@belle2collab . Oct 9

Prof. Pedlar presented a talk on "Exotic and conventional bottomonium physics prospects at Belle II" at EXA2017 con...

twitter.com/i/web/status/9...



Belle II Experiment

@belle2collab . Sept 20

BELLE II ROLL-IN: WEBCAST

niconico Live

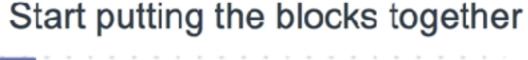


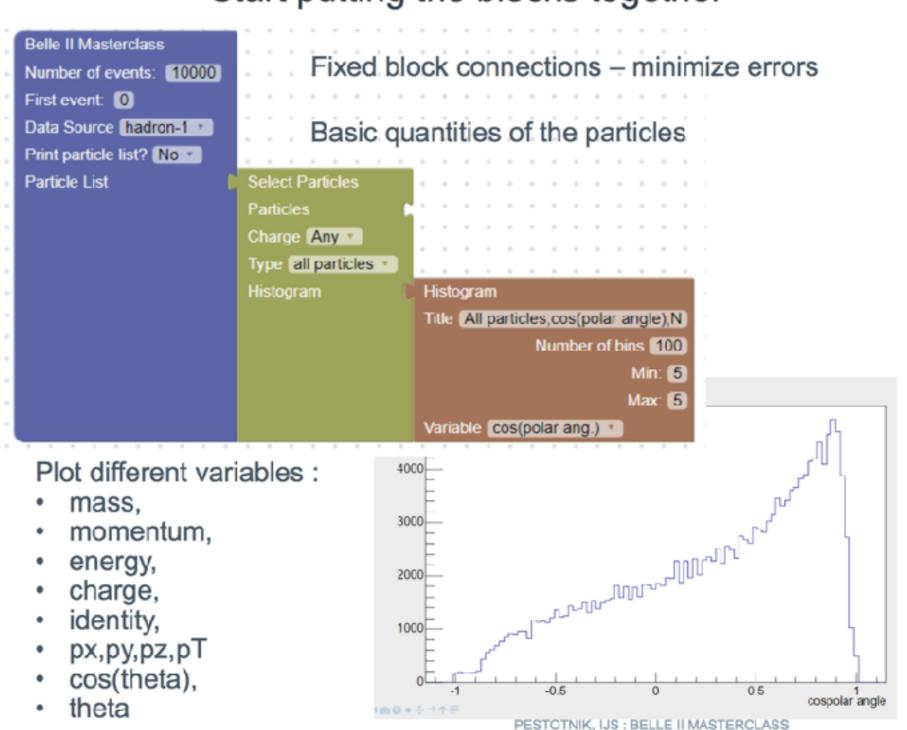
8hrs live webcast with invited guests 35,000 viewers more than 10,000 comments

IN-KIND CONTRIBUTIONS

- Providing easy and open access to special approved Belle/Belle II datasets to be used for educational programs;
- Developing, maintaining and giving easy and open access to specific tools sufficient for analysis of these data sets;
- Providing up-to-date documentation in support of the above-mentioned data and tools;
- Providing a measurement programme suitable for Masterclasses upon the data and tools available;
- Giving adequate support in the execution of the Particle Physics Masterclasses
 (moderators for videoconferences, tutors in the execution of Masterclass programs
 participating and supporting the local organization of Masterclasses events when there is
 need);

MASTERCLASSES DEVELOPMENT





STATUS

- Belle II interested to join IPPOG
- Belle II Institutional Board endorsed the Expression of Interest in October
- If accepted, we look forward to fruitful collaboration!