ErUM FSP T09





The Beauty goes public

Johanna Häusler – Belle II office







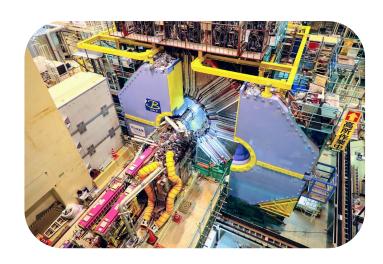
The SuperKEKB / Belle II experiment is an electron-positron collider/detector







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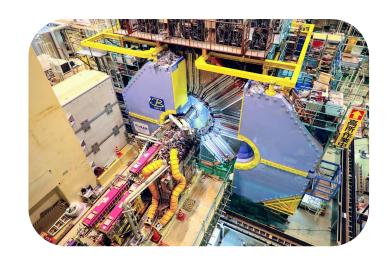
Its home base is here:

The KEK in Japan:

Belle II / SuperKEKB holds the world record in **luminosity**



The SuperKEKB / Belle II experiment is an electron-positron collider





Is optimized for **high precision** measurements

- important player in particle physics
- > complementary to LHC experiments (CERN)



The SuperKEKB / Belle II experiment is an electron-positron collider





Belle II focuses on breakthrough topics:

- CP-asymmetry
- Dark matter
- New physics beyond the standard model ...



The SuperKEKB / Belle II experiment is an electron-positron collider





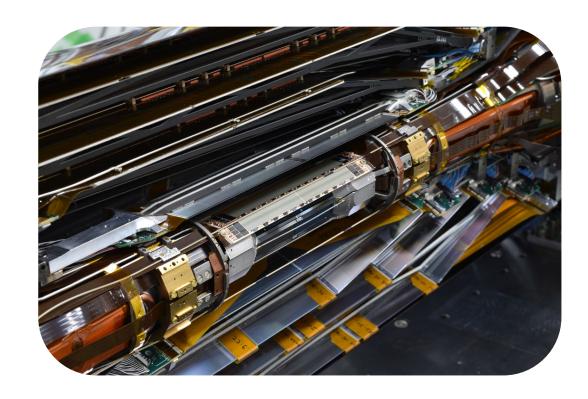
Belle II focuses on breakthrough topics

- Starting to gain exciting results
- New results are expected in the coming years!



Belle II Germany

German groups are the largest group in the international project.



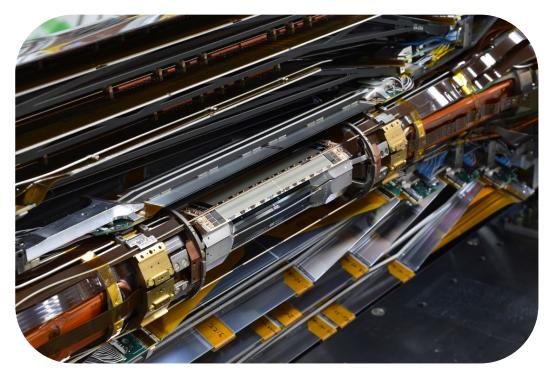
The PXD-Detector and its DEPFET* technology was mainly developed by German groups.

Belle II Germany is supported by **BMBF** in the action plan ErUM under the "Forschungsschwerpunkt" **FSP-09**



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➤ There is also an outreach strategy to be implemented





Belle II Germany









Belle II Institutes













Outreach Belle II





Internal networking and support:

- Belle II annual meeting
- Belle II academy
- Workshops





Belle II FSP office

Outreach:

- Belle II homepage
- Social media
- Corporate design
- Masterclasses
- School project
- Information material...





Industry transfer:

- Alumni network and lectures
- Hanover Fair







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Industry transfer:

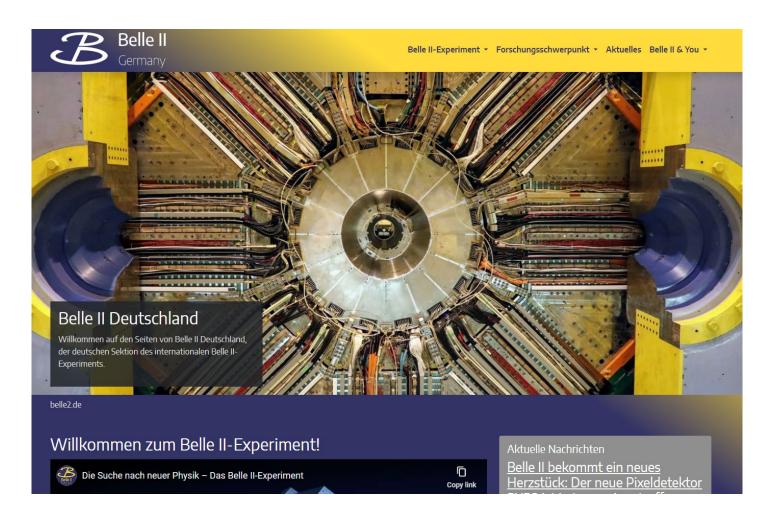
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Belle II Homepage - belle 2.de



Contact: coll-fsp-office@belle2.org



Belle II Homepage – belle2.de



News







Belle II Homepage – belle2.de



News



Contact: coll-fsp-office@belle2.org

FSP-Faces



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Belle II Germany Twitter & News

The Belle II Twitter Team:

Isabel Haide KIT







Torben Ferber KIT

Contact: coll-fspsocialmedia@belle2.org Belle II backgrounds and facts



FSP faces

Pictures from lab / Japan / fun facts



News

Belle II events

Novel Belle II results

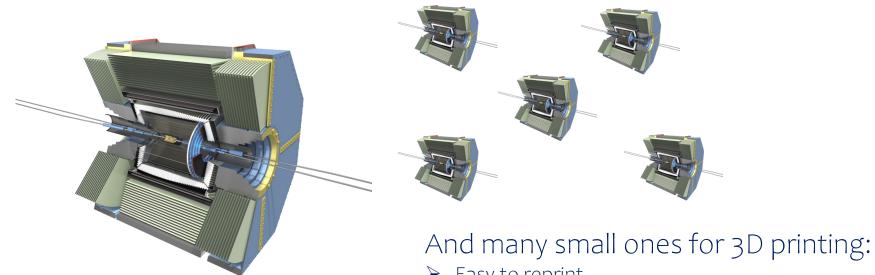
@belle2germany





Highlights outreach in 2023

We are developing an interactive 3D model of Belle II



- > Easy to reprint
- > For Masterclasses, education, as prizes...

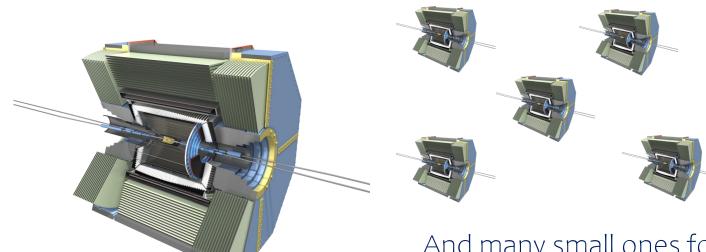
A big model with 1m diameter:

- > Simulation of decays by LED tracks.
- ➤ Interactive user interface to trace particle decays



Highlights outreach in 2023

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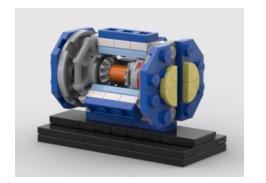
- ... and there is a tiny LEGO Modell:
- > By KIT group of Torben Ferber



- > Easy to reprint
- > For Masterclasses, education, as prizes...



- > Simulation of decays by LED tracks.
- ➤ Interactive user interface to trace particle decays

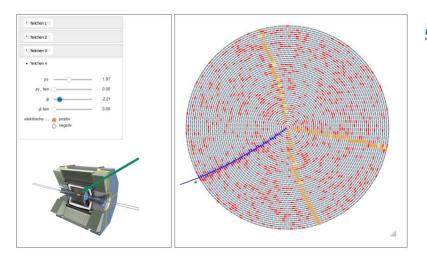




Belle II Highlights Outreach in 2023

We have by now 3 different Belle2-Masterclasses:

Track reconstruction

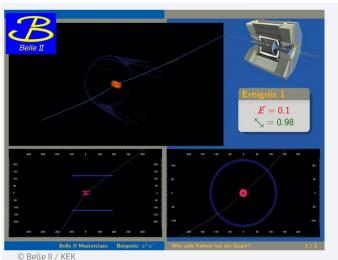








Measuring quark colors UNIVERSITÄT BONN



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Bundesminist

Bundesministerium für Bildung und Forschung

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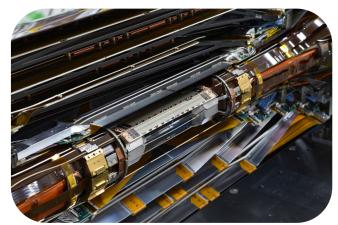
Highlights Outreach in 2023

Belle II on Hanover Fair (together with ErUM LHC & ErUM data-hub):



We will present the **DEPFET** * technology









Thank you for your attention!