

Belle II Academy Feedback and Closeout

Thomas Kuhr

26.03.2021



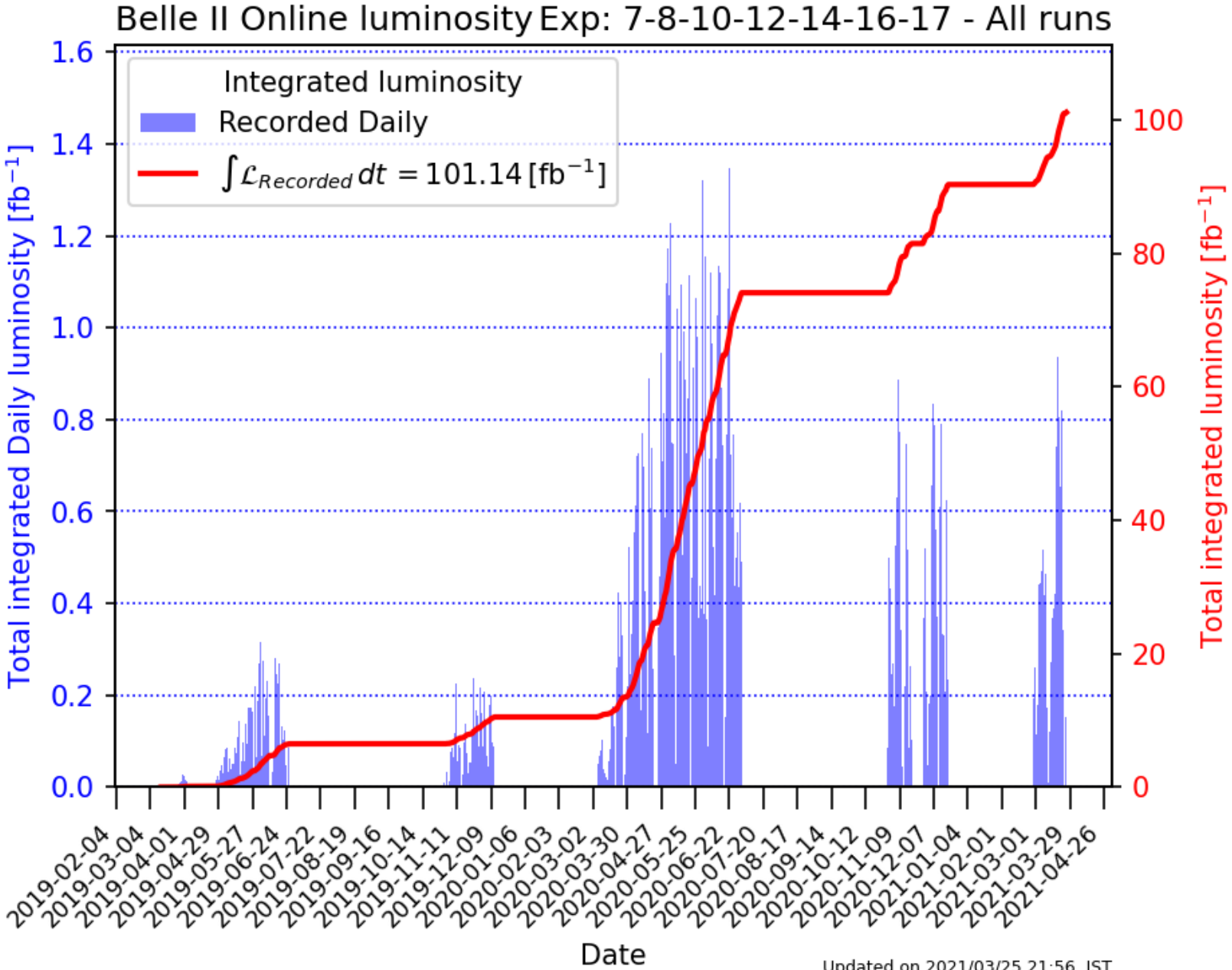
Bundesministerium
für Bildung
und Forschung



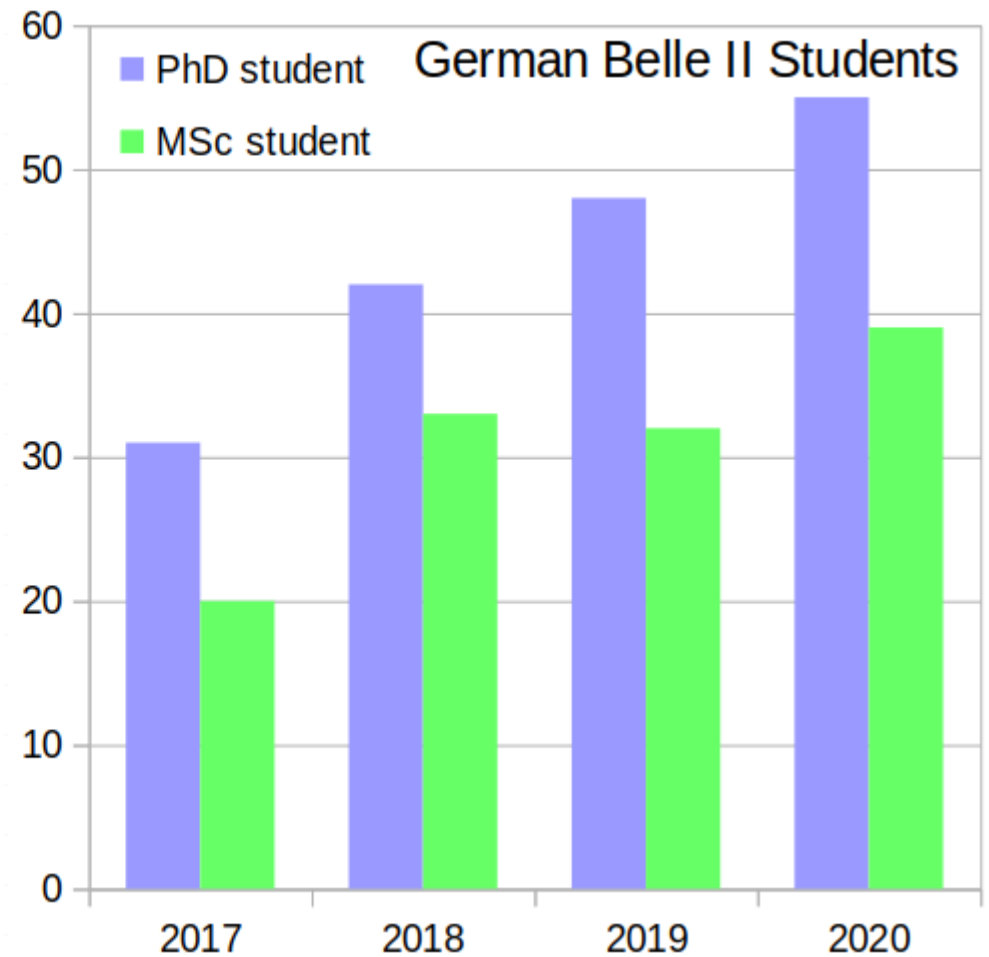
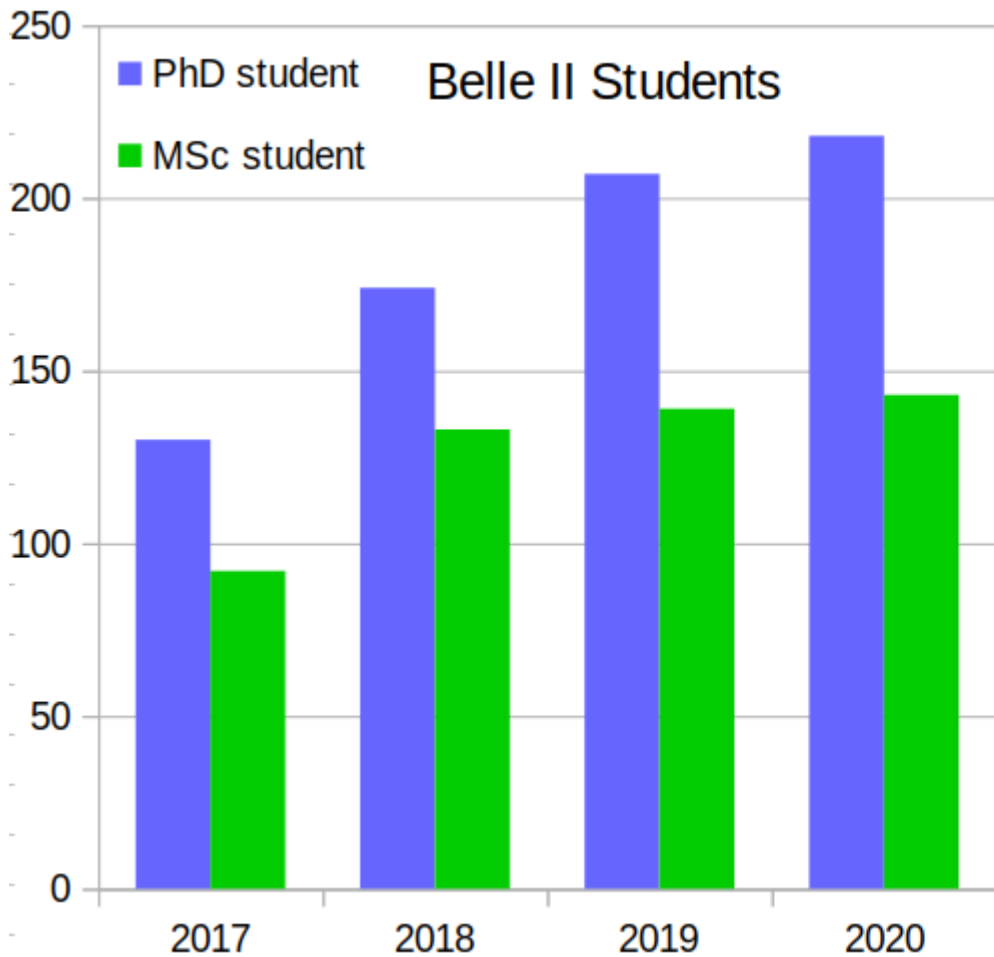
ErUM-FSP T09 Belle II



Belle II Luminosity



Belle II Students



→ Belle II Academy

➤ For you

➤ Your feedback is welcome

→ Fill the questionnaire if you have not done so already

➤ Provide feedback now

➤ Students at the next Belle II Academy will profit from it



The German Belle II groups organize its first advanced school on flavor physics, aimed at PhD candidates and new Postdocs, with kind support of the German Ministry of Education and Research. The academy takes place in the week from March 22 to 26 and is scheduled to consist of morning sessions, afternoon sessions and 4 evening lectures.

2-hours lectures on analytical techniques, as well as tandem lectures, 1-hour each, on theoretical and experimental perspectives are scheduled for the morning and afternoon sessions.

To conclude the days, there will be evening lectures that will go beyond the horizon of particle physics, for example to show career perspectives outside the academic world. Another highlight will be on Monday evening, Dr. Viola Priesemann (MPI for Dynamics and Self-Organization Göttingen) will present on her current work, mathematical modeling of the Covid-19 pandemic.

But the Belle II Academy is not just about listening to our speakers. We want you to get involved yourself as well. That's why we've planned an interactive session on Monday morning, **Getting started at Belle II: A life/live tutorial**. This session thrives on participants telling about their favorite topic. The idea is that you will give a 5-7 minute lightning talk on a very specific topic, with 2-3 slides. We've put together a few suggestions in this Google Sheet, but of course you're also welcome to bring a topic of your own. If you have an answer to the question "What do I wish I had known when I started my PhD?" that's the right topic for this session.

We would love for you to take this opportunity to share your knowledge about your favorite topic.

If you want to participate, please fill in the Google Sheet with your topic and your name. Of course you can also do this later.

Please register until March 18. This will ensure that you receive all the information you need to log into the Zoom session in time. The Belle II Academy is free of charge.

If you have any questions, please do not hesitate to contact Pascal Schmolz (p.schmolz@physik.uni-muenchen.de) or Nathalie Eberlein (Nathalie.Eberlein@physik.uni-muenchen.de)

Registration You are registered for this event.

Pascal Schmolz p.schmolz@physik.uni-muenchen.de

Many Thanks To

- All speakers for the inspiring lectures and talks

Flavor physics: past & future

Zoltan Ligeti
(zligeti@hepke.jay.edu)



March 22, 2021



Meet the Anomalies
Theory perspective for $b \rightarrow s\ell\ell$

Danny van Dyk

March 22nd, 2021
Technische Universität München



Saurabh Sandilya
सुरभ संधिल्या सौरभ संधिल्या
Indian Institute of Technology Hyderabad

Belle II Academy
March 22, 2021



Belle II:
From an analysis idea
to publication.

Torben Ferber (torben.ferber@desy.de)
Belle II Academy, March 23, 2021

CLUSTER OF EXCELLENCE
QUANTUM UNIVERSE



Analysis Presentation: V_{cb}
Part III: From Signal Selection to the Result

Kilian Lieret, Markus Prim
25th March 2021
Universität Bonn - Physikalisches Institut

LIGHT DARK SECTORS • THEORY

Susanne Westhoff
Heidelberg University

questions? - westhoff@phys.uni-heidelberg.de

Belle II Academy • March 22-26, 2021 • your living room

Analysis Case Study:

Search for Axion-Like Particles produced in e^+e^- collisions at Belle II

Belle II Academy
23.03.2021

Savino Longo
savino.longo@desy.de
Deutsches Elektronen-Synchrotron (DESY)



HELMHOLTZ AI
ARTIFICIAL INTELLIGENCE
CONNECTIONS UNIT

Multivariate methods
Machine learning in particle physics

HELMHOLTZ AI

James Kahn (james.kahn@kit.edu)
Karlsruhe Institute of Technology / 2021-03-24

www.kit.edu

Meet the anomalies: Theory perspective on
 $b \rightarrow c\tau\nu$ transitions

Martin Jung



INFN
Istituto Nazionale di Fisica Nucleare
SEZIONE DI TORINO

Lecture for the Belle II Academy
24th of March 2021

Fitting: A guided overview

Angelo Di Carlo
Belle II Academy - March 25, 2021



Meet the Anomalies: Experimental Perspective
on $b \rightarrow c\tau\nu$

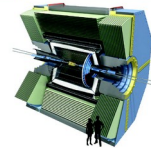
Thomas Lück

March 24, 2021



Thomas Lück

Physics
... personal selection



HELMHOLTZ
RESEARCH FOR
EXCELLENCE

And Rostomyan
Belle II Academy
25-26 March 2021

Disclaimer: There were so many excellent talks
during the academy, that I feel more than a bit silly
presenting this to you...



Analysis presentation V_{cb}
Part I: Overview and tag side

Florian Bernlochner¹, Thomas Kuh^{2,3}, Kilian Lieret^{2,3}, Felix Metzner¹, Markus Prim¹

¹Universität Bonn
²Leibniz-Maximilians-Universität
Erlangen-Nürnberg Cluster Origins
³Karlsruher Institut für Technologie

March 16, 2021



Kilian Lieret | Leibniz-Maximilians-Universität

1 / 23

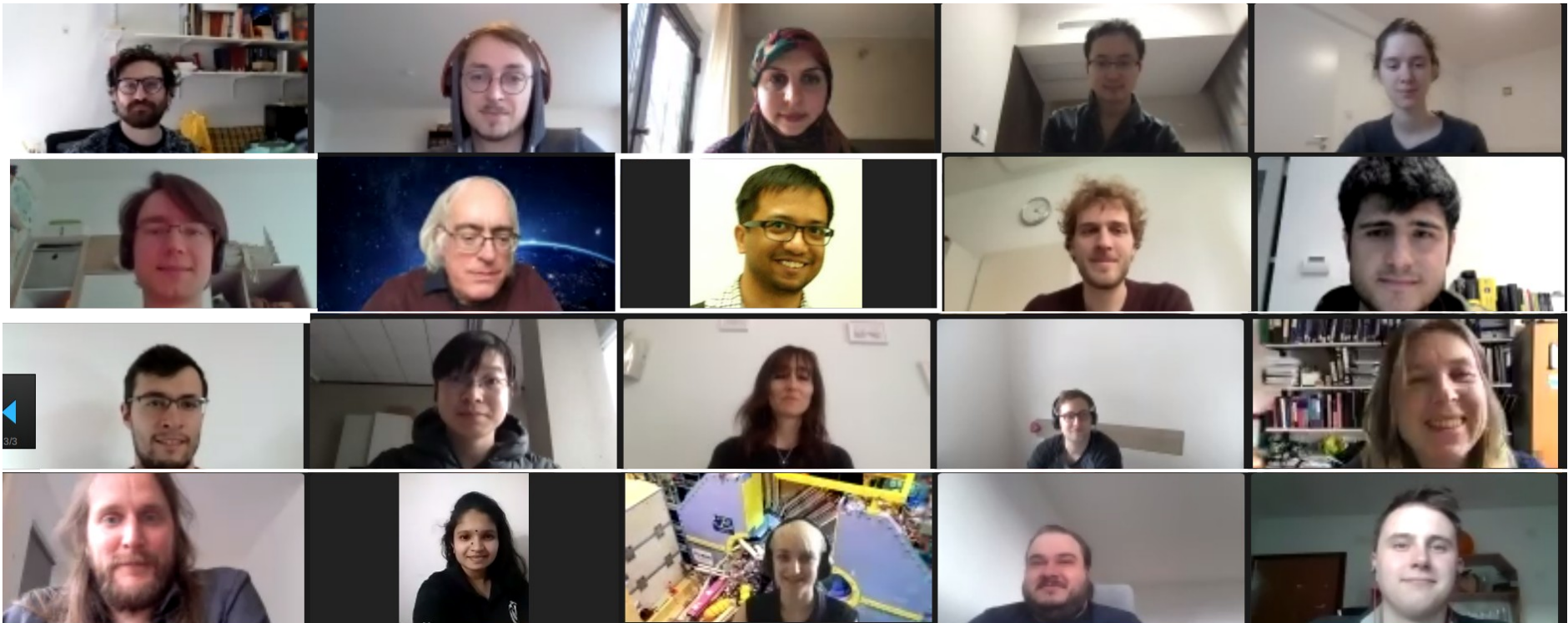
Spectroscopy of Exotic Hadrons

Sebastian Neubert
Belle II Academy, March 25th, 2021
HISKP Bonn



Many Thanks To

- All speakers for the inspiring lectures and talks
- You for your active participation



Many Thanks To

- All speakers for the inspiring lectures and talks
- You for your active participation
- Our funding agency, the BMBF



Bundesministerium
für Bildung
und Forschung



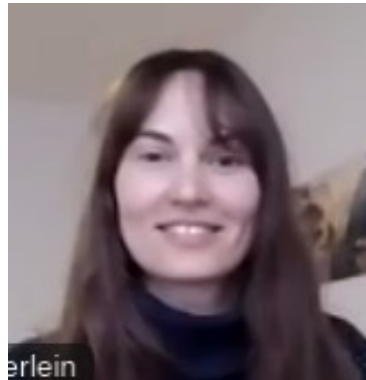
ErUM-FSP T09 Belle II

Many Thanks To

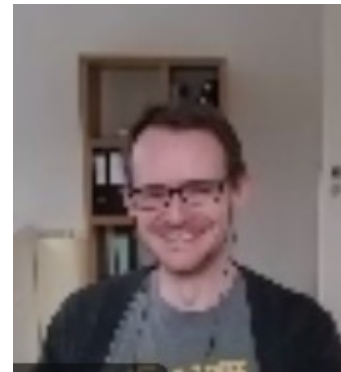
- All speakers for the inspiring lectures and talks
- You for your active participation
- Our funding agency, the BMBF
- My co-organizers



Pascal



Nathalie



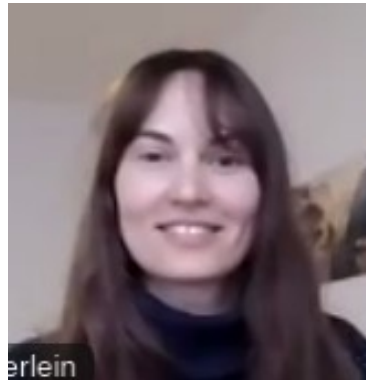
Florian

Many Thanks To

- All speakers for the inspiring lectures and talks
- You for your active participation
- Our funding agency, the BMBF
- My co-organizers



Pascal



Nathalie



Florian

Add your
picture
in B2MMS