

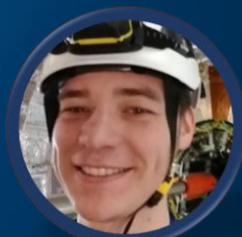
The background features a dark blue field with a horizontal band of bright, shimmering blue particles and dots, resembling a particle detector's data or a starry sky. The text is overlaid in a bright yellow color.

Bonn
LHCb Spectroscopy Group

Bonn and Jülich LHCb Theory Groups



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Dr. Klaas Padeken



Dr. Adam Morris



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LHCb
Spectroscopy



Prof. Sebastian Neubert

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Piet Nogga



Henry Schumacher



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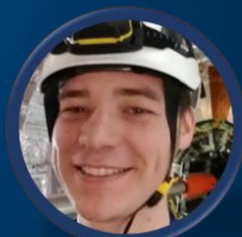


Mikhail Mikhasenko



Hannah Schmitz

Tracking Performance Studies for a
Future LHCb Tracking Detector



Dr. Klaas Padeken
Detector R&D



Dr. Adam Morris
Pentaquarks,
Simulation, Open
Data



Mindaugas Šarpis
Pentaquark search in
 $\Lambda_b^0 \rightarrow \Lambda_c^+ D^{*0} K^-$,
Open data



Stefan Harst
New Masterclass
in Spectroscopy



Prof. Sebastian Neubert
Group Leader, CB Chair



Piet Nogga
Search for Glueballs
 $B_s \rightarrow \psi(2S)KK$



Henry Schumacher
Cooling test stand
for silicon Detectors



Abhay Mehta
Pentaquark search
states $\Lambda_b^0 \rightarrow \Sigma_c^{++(*)} D^- K^-$



Ellinor Eckstein
Calibrating Multiparticle Decays
using Normalizing Flows



Elena
BSc Project



Mikhail Mikhasenko
ORIGINS Excellence
Cluster

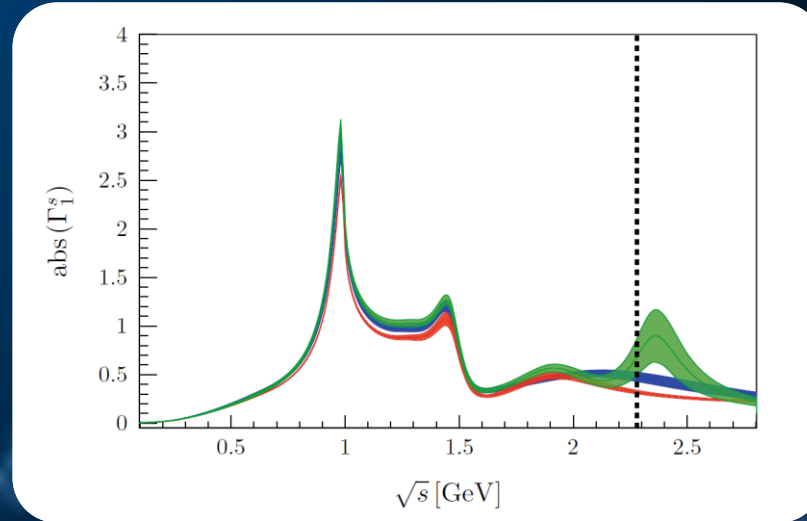
Theory



Bastian
Kubis



Christoph
Hanhart



Marvin
Zanke

Bonn

Jülich

Improved parametrizations for production, e.g., $B \rightarrow hhh$

- $\pi\pi$ iso-scalar S-wave developed (see fig.)
- Currently tested on $B_s \rightarrow \psi(2S)\pi\pi$ LHCb data
- $\pi K I = \frac{1}{2}$ S-wave developed
- $\pi\pi$ and πK P-waves

New collaboration with Danny van Dyk (TUM): leptonic B-decays



George
Chanturia



Leon
von Detten

Thanks for your attention!

The background is a deep blue gradient. A horizontal band of fine, sparkling particles stretches across the middle, creating a shimmering effect. Scattered throughout the scene are various bokeh light effects, including small white and light blue dots and larger, soft, out-of-focus blue circles, giving the impression of a starry or particle-filled space.