





Preparation for Scientific Research and Internship Orientation

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IMAPP Welcome Day September 13, 2024

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About me

- Researcher at *TU Dortmund University* and associate to the LHCb experiment at CERN
- Focus on <u>Charm physics</u>:
 CP violation as a null test of the Standard Model



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Target and structure of the course

- **Orientation** for your future internship:
 - collection of available projects from different institues
 - several invited seminars
- Furnish the <u>necessary skills</u> for your Master's Thesis: 10h course on analysis strategies and methods (typical physics observables and how-to measure them) *Program* not yet finalised, avoiding overlap with other courses, trying to fit the available projects *Final exam*: analysis of real or simulated data (1-2 pages)
 - Wishes and Feedbacks are welcome
- Reminder: in case you choose a destination outside IMAPP universities, please apply for the scholarship!!