



Science and  
Technology  
Facilities Council

## YETI 2023

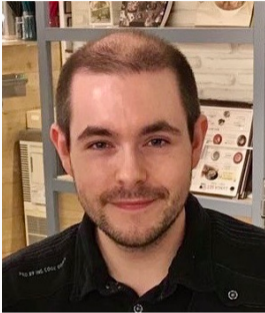
Almost everything about flavour

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Stephen Jones & Danny van Dyk

Aug 1st 2023

Institute for Particle Physics Phenomenology, Durham



Stephen Jones



Danny van Dyk

- ▶ We are here for all your organizational and other needs!
- ▶ E-mail: [stephen.jones@durham.ac.uk](mailto:stephen.jones@durham.ac.uk), [danny.van-dyk@durham.ac.uk](mailto:danny.van-dyk@durham.ac.uk)



Joanne Bentham



Trudy Forster

- ▶ Huge thanks for the work they did to make this school happen!
- ▶ Can handle issues with in-person registration, reimbursement (after organisers send instructions!), accommodation, etc
- ▶ E-mail: [ph-hep-admin@durham.ac.uk](mailto:ph-hep-admin@durham.ac.uk)



Lucia Grillo



Javier Virto



Mark Smith

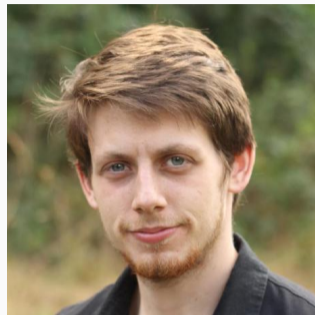
- ▶ Lucia will introduce how measurements of flavour changing decays are taken at the LHC.
- ▶ Javier will introduce how flavour changing processes can be understood in effective field theories.
- ▶ Mark will carry out a hands-on session for you to apply to data what Lucia introduced you to.



Marzia Bordone



Judd Harrison



M\u00e9ril Reboud

- ▶ Marzia will use Javier's EFT approach and show you how to deal with it when you have hadrons rather than free quarks.
- ▶ Judd will show you how to compute the hadronic objects introduced by Marzia.
- ▶ M\u00e9ril will take all of what you learned so far and guide you through a determination of a CKM matrix element.



Chris Parkes



Martin Jung

- ▶ Chris will show you how we prepare for much more complicated / elusive flavour changing processes at the LHC.
- ▶ Martin will show you how we can use symmetries to improve our understanding of hadronic matrix elements.

**“Holy GrAle”** 57 Crossgate, St Margarets Garth  
tiny place, 2 to 3 groups of 4 to 5 persons each, board games available, large variety of international beers

**Head of Steam** 3 Reform Place, North Road (close to bus stops)  
large place, multiple levels

**Cosy Club** Unit R9, The Riverwalk  
large place, very comfortable chairs and sofas, great G&T!

Please do not overcrowd the “Holy GrAle“, your organiser do not wish to be barred!