

Theory Challenges in the Precision Era of the Large Hadron Collider

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The Galileo Galilei Institute

Overall plan

- week 1 (28.08-01.09) Kick-Off Conference
- week 2 (04.09-08.09) Precision QCD results
- week 3 (11.09- 15.09) Scattering amplitudes and new algorithms
- week 4 (18.09-23.09) Resummation, PDFs and MC developments
- week 5 (25.09-30.09) Training week for PhD students
- week 6 (02.10-06.10) Electroweak theory
- **week 7 (09.10.-13.10) SMEFT and New Physics**

SMEFT and New Physics

- ...

Weekly plan

- every day (Mon-Fri)
 - 10:30am coffee (meet at the machine, courtyard)
→ use the colored key for free coffee
 - 01:00pm lunch
 - 04:00pm coffee (meet at the machine, courtyard)
- this week's talks at 11:30am and 02:30pm (30 min talk + 15 min discussion)
 - Tuesday **M. Ubiali** *Global PDF and SMEFT fit*
 - Wednesday **Z. Trocsanyi** *Status of the superweak extension of the standard model*
 - Thursday **M.V. Garzelli** *Far-forward neutrinos and long-lived particles at the LHC*

Your duties

- Discuss, ask questions, collaborate, . . .
 - any other suggestion for activities → talk to the organizers
- Have coffee, lunch, . . .
- Acknowledgements in research work
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