

# PB TMD meeting

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- Hoping that you are all ok !

# Next workshops

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- [REF 2020](#): scheduled for 7-11 Dec 2020, Higgs center Edinburgh

# Preparation of discussion session at REF2020

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- Resummation and Parton shower (1 h)
  - (chairs: A. Siodmok, L. Lonnblad, H. Jung)
  - Topics:
    - *Parton shower and evolution equations*
      - initial state PS and parton densities
      - final state PS and fragmentation fcts
      - Les Houches studies
    - *Detailed checks of Resummation vrs Parton shower*
    - *TMD densities from PS*
  - *Phenomenology:*
    - Z pt spectrum
    - Jet mass distributions

# Preparation of discussion session at REF2020

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- Resummation and Parton shower (1 h)
  - (chairs: A. Siodmok, L. Lonnblad, H. Jung)
  - Topics:
    - *TMD densities from PS (PS2TMD)*
    - *Phenomenology:*
      - Z pt spectrum
        - different predictions from different shower approaches

# TMDlib discussion:

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- TMDlib 2.2.0
  - available including new TMDsets
- Pavia TMDs
  - started to be implemented in TMDlib
    - at the moment as standalone
    - need to be fully adapted to TMDlib standards for full functionality
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- TMDplotter:
  - new version is available under [tmdplotter.desy.de](http://tmdplotter.desy.de), using TMDlib2

# Agenda

## PB TMD discussion



Thursday 3 Dec 2020, 15:30 → 17:30 Europe/Berlin

**Description** Join Zoom Meeting

<https://cern.zoom.us/j/97149635135>

passwd: 2020

Meeting ID: 971 4963 5135

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|--------------|---------|--|-------|--|
| <b>15:30</b> | → 15:35 | <b>Intro</b>   | 🕒 5m  |  |
| <b>15:35</b> | → 16:00 | <b>TMBib discussion</b>  | 🕒 25m |  |
| <b>16:00</b> | → 16:20 | <b>REF rehearsals: TMDpdfs</b><br>Speaker: Sara Taheri Monfared (DESY)               | 🕒 20m |  |
| <b>16:20</b> | → 16:40 | <b>REF rehearsals: nonpert kt in DY</b><br>Speaker: Mikel Mendizabal Morentin (DESY) | 🕒 20m |  |
| <b>16:40</b> | → 17:00 | <b>REF rehearsals: Z+b production</b><br>Speaker: Luis Ignacio Estévez Baños (DESY)  | 🕒 20m |  |
| <b>17:00</b> | → 17:20 | <b>REF rehearsals: multijet merging</b><br>Speaker: Armando Bermudez Martinez (DESY) | 🕒 20m |  |