

Introduction

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- This is the second meeting of the LHC precision EW sub-group in 2018 and it is focused on measurements of m_W at <http://electroweak2018.lal.in2p3.fr/>
- Next meeting will be 20th of June at CERN (general LHC SM meeting will be 21-22nd of June). The meeting on 20th of June will be in two parts: a follow-up part on the two previous workshops held this spring in the morning and a summary and discussion part in preparation of the general meeting of the next days and of future workshops this year after the summer break.
- Please let us know very soon if you wish to hold such a workshop in your institute!

Agenda

- **Agenda includes plenty of time for discussion:**
 - a) as announced, there has been a QED FSR tool focused pre-discussion this morning, see <https://indico.cern.ch/event/712572/timetable/#20180523> and a summary will be given if felt useful later on in the workshop.**
 - b) there will be a follow-up discussion on the April workshop on Thursday morning from 9h00 to 10h30**
 - c) there will be four discussion sessions over the next days:**
 - end of Wednesday afternoon: resummation for pTW/Z**
 - end of Thursday afternoon: fixed order and resummation for pTW/Z**
 - end of Friday morning: parton shower, underlying event and their impact of measuring mW, plus next steps**
 - early Friday afternoon: first discussion on mW combinations**

General goals of this meeting

- These are not different from what the organisers have announced in previous workshops of this type, but there has been quite some progress over the past few years in calculations and tools, as we will see during the workshop.
- Also, ATLAS and CMS have taken a substantial amount of data at low pile-up end of last year (and very likely more data will be taken this year), so these provide the means to improve experimental measurements beyond what has been achieved until now.
- So it is our hope as organisers that at the end of this workshop we might be able to formulate a set of concrete medium-term goals to put the next generation of precision measurements related to the determination of m_W on the best track from the point of view of theoretical tools and calculations