



29.01.2021

Dear all,

//////// Measurements for IMC 2021 //////////

You will find all packages and instructions for 2021 at <http://cern.ch/go/r6Qj>

ATLAS Z path: Find your data at <http://cern.ch/go/RNc8> (ready soon!) Each institute is initially assigned 2 dataset packages with 20 datasets in each package. This means that each institute has a default of 40 datasets available, which is enough to accommodate 80 students. Much more data is available, so please do not hesitate to contact epf-mc@fys.uio.no if you need more.

ATLAS W path: Find your data at <http://cern.ch/go/h6BT> Each institute has per default one combination spreadsheet; this is enough to accommodate 40 students. If you have more than 40 participants in your Masterclass, please contact uta.bilow@tu-dresden.de.

CMS WZH measurement: Find your data assignments in CIMA, the CMS Instrument for Masterclass Analysis, at <http://cern.ch/go/znV6> (ready by 1st February) and the corresponding event display files in iSpy-webgl at <http://cern.ch/go/tfS9>. Each institute has by default 20 data files, each with 100 events, which can accommodate 40 students. More data is available, so please do not hesitate to contact kcecire@nd.edu if you need more.

MINERvA Neutrino measurement: Find your data assignment with links to files and spreadsheets for recording results at <http://tiny.cc/mdata21> (ready by 1st February). When students choose their data the event display will come up. Each institute will be assigned one Data Group with 25 “merged tuples”; each of these has 50 events. This is enough for 50 students. More data is available, so please do not hesitate to contact kcecire@nd.edu if you need more.

//////// Introductory material for students //////////

If you are holding your Masterclass online, you may want to provide preparatory materials for participants, e.g. videos, online courses. This will help students prepare for the event. You can browse for suitable material in the IPPOG Resources Database <http://cern.ch/go/z9Kv>. There are special student activities for ATLAS and CMS masterclass preparation at <http://cern.ch/go/7skG> and for MINERvA masterclass preparation at <http://tiny.cc/mprep21>. A special recommendation for Masterclasses covering the Higgs boson: a video series “The Higgs Discovery Explained” by former IMC moderator Piotr Traczyk at <https://www.youtube.com/watch?v=so2nCu2Jkbc>.

Kind regards,
Uta + Ken

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