



18.02.2022

Dear all,

next week, we will kick-off International Masterclasses 2022. We are looking forward to great events with you!

//////// Measurements for IMC 2022 //////////

You will find **all packages and instructions** for 2022 at <http://cern.ch/go/r6Qj>

ATLAS Z path: Find your data at <http://cern.ch/go/RNc8>. 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> and the corresponding event display files in iSpy-webgl at <http://cern.ch/go/tfS9>. Each institute has by default 30-35 data files, each with 100 events, which can accommodate 60-70 students. If you need more data or have questions, please contact kcecire@nd.edu.

MINERvA Neutrino measurement: Find your data assignment with links to files and spreadsheets for recording results at <http://tiny.cc/mdata22>. When students choose their data the event display will come up. Each institute will be assigned one Data Group with 25 “merged tuples”, enough for 50 students. Each merged tuple has 50 events. If you need more data or have questions, please contact kcecire@nd.edu.

Belle II measurement: All the data are kept on the processing web server and there is no need to download anything. The common entry point for all the participants is: <https://masterclass.belle2.org> with links to two different measurements: *B meson reconstruction* and *Measure quark colors*.

//////// Question time //////////

Reminder: If you have questions on the measurements, you can meet the authors and squeeze!

LHCb: Feb 21 (Mon), 1:30-2:30 pm CET <https://indico.cern.ch/event/1130077/>

ATLAS Z: Feb 21 (Mon), 3-4 pm CET <https://indico.cern.ch/event/1128000/>

MINERvA: Feb 21 (Mon), 7-8 pm CET <https://indico.fnal.gov/event/53279/>
ATLAS W: Feb 22 (Tue), 4-5 pm CET <https://indico.cern.ch/event/1127913/>
Belle II: March 2 (Wed), 9-10 am CET <https://indico.belle2.org/e/b2imc2022>

//////// Training for Particle Therapy Masterclass //////////

PTMC: Feb 23 (Wed), 4-6:30 pm CET <https://indico.cern.ch/event/1124911/>
PTMC: March 3 (Thu) 1-2:30 pm CET <https://indico.cern.ch/event/1124913/>

Kind regards,
Uta + Ken

Dr. Uta Bilow
Institute of Nuclear and Particle Physics
Technische Universitaet Dresden
Zellescher Weg 19
01069 Dresden
Germany
Email: uta.bilow@tu-dresden.de
Phone: +49 351 463-32956
Fax: +49 351 463-33114

Kenneth Cecire
QuarkNet National Staff, University of Notre Dame
Department of Physics
225 Nieuwland Science Hall
Notre Dame IN 46556
USA
tel +1-574-631-3343
fax +1-574-631-3977
e-mail kcecire@nd.edu