

ETP Weekly Meeting

News



Institut für Experimentelle
Teilchenphysik (ETP)

Institut für Experimentelle Teilchenphysik

```
def main(config):
    logger.info("config: %s", config)
    np.random.seed(int(config["seed"]))
    import ROOT
    ROOT.PyConfig.IgnoreCommandLineOptions = True
    import root_numpy
    import matplotlib.pyplot as plt
    import matplotlib.patches as mpatches
    import random_flow as rf
    logger.debug(tf.__file__)
    tf.set_random_seed(int(config["seed"]))
    from keras import set_session
    tfconfig = tf.ConfigProto()
    tfconfig.gpu_options.allow_growth = True
    set_session(tf.Session(config=tfconfig))

    from sklearn import preprocessing, model_selection
    import keras.models
    from keras.callbacks import ReduceLROnPlateau,
    EarlyStopping, ModelCheckpoint

    # Extract list of variables
    variables = config["variables"]
    classes = config["classes"]
    logger.debug("Use variables:")
    for v in variables:
        logger.debug("%s", v)

    # Load training dataset
    if args.conditional:
        args.balanced_batches = True
        eras = ['2016', '2017', '2018']
    else:
        eras = ['any']
```



Markus Klute

08.08.2022

New members or status changes

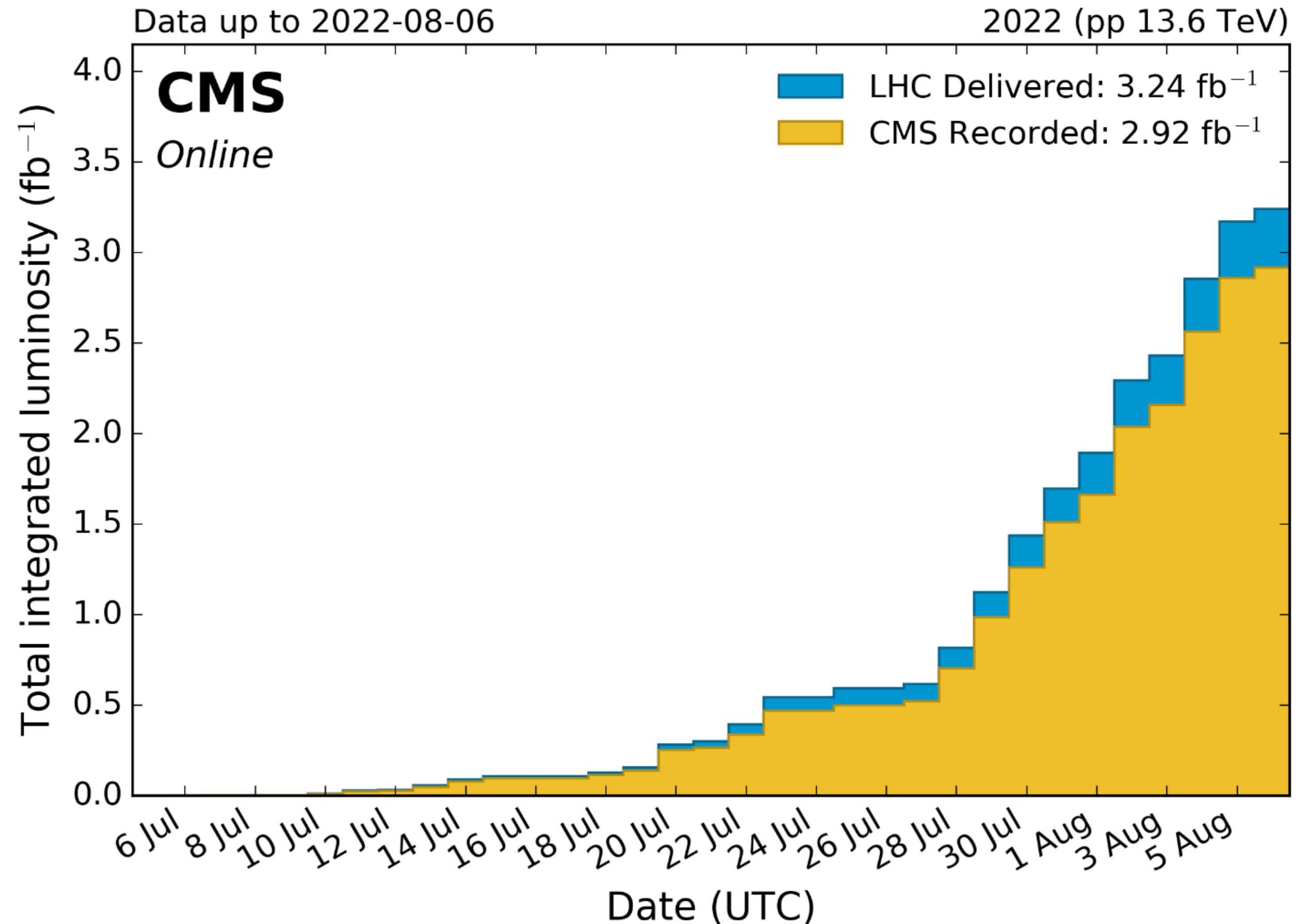
... since the last meeting

- Aritra Bal (PhD)

LHC / CMS News

...

- Passed 4/fb delivered with peak lumi of $1.4 \times 10^{34} \text{cm}^{-2}\text{s}^{-1}$
- Next step is ramp to 2100 bunches
- Thomas Müller on shift



Tutorial

... HTCondor

- How to use our (ETP) computing resources?
 - <https://indico.scc.kit.edu/event/2951/>
 - 8/11 2-4pm for the Belle II group
 - 8/18 2-4pm for the CMS group
- Organised by Matthias Schnepf
- Docu:
 - <https://mattermost.etp.kit.edu/ietp/channels/ietp-htcondor>
 - <https://wiki.etp.kit.edu/bin/view/EkpMain/EKPCCondorCluster>

ETP-Hiking

... in search for the FCC tunnel

- Falkensteiner Höhle auf der Schwäbischen Alb



Science Communication

... Big Success - Thank you!

Informal ETP Party

Friday, August 19th Fermilake

5.00 pm Aperero

6.00 pm BBQ

9.15 pm Lightshow (music4life)



Featured presentation

... by Soureek Mitra



ICHEP 2022
BOLOGNA



ICHEP 2022
XLI
International Conference
on High Energy Physics
Bologna (Italy)

6
13 07 2022