

ETP Weekly Meeting

News



Institut für Experimentelle
Teilchenphysik (ETP)

Institut für Experimentelle Teilchenphysik

```
def main(config):
    logger.info("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
    import tensorflow as tf
    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

21.11.2022

New members or status changes

... since the last meeting

News

... miscellanea

- ETP news updated but more updates are needed
- KET Jahrestagung
- CERN tour - 06.-07.12.22
- CMS author list - option C or D
- CMS shifts - please fill spreadsheet
- Weihnachtsfest 09.12.22
- Winterpause 24.12.22 - 08.01.23
- DPG-Tagung in Dresden 20.-24.03.23 / Abstract Deadline 15.12.22
- Sustainability in HECAP initiative

Seminars and colloquia

... this week

- Seminar: Dima Kovalskyi (MIT) - Bs to mu mu decays with CMS
 - 22.11.22 Tuesday - 4pm - 6-1 and zoom
- Colloquium: Hartmut Wittig (Mainz) - Hadronic contributions to the muon $g-2$
 - 24.11.22 Thursday - 3:45pm - kleiner Hörsaal
- Physikerinnentagung
 - 24-27.11.22 - <https://indico.scc.kit.edu/event/2604/>
 - 24.11.22 Thursday - 5:30pm - Festsaal

Culture

... next week

An underwater scene with a diver in a vintage diving suit on the right, holding a light. In the background, a large, ornate building with spires, resembling a cathedral or castle, is visible. The water is a deep blue-green color. The text is overlaid on the scene.

Das Physikertheater präsentiert

VINETA

von Jura Soyfer

3. Dezember 2022 Einlass: 19:30
4. Dezember 2022 Einlass: 16:30

KIT Campus Gaede Horsaal
Eintritt frei!

www.physikertheater.de

Featured presentation

... by Ivan Shvetsov

- CMS Tracker Operations

