

ETP Weekly Meeting

News



Institut für Experimentelle
Teilchenphysik (ETP)

Institut für Experimentelle Teilchenphysik

```
def main(config):
    logger.info("config")
    logger.info("args")
    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 random as random
    import random as random
    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

18.12.2023

New members or status changes

... since the November 6th

Seminars and Colloquia

...

- Tuesday 3:45pm: Simon Plaetzer, 10-1 - Colour evolution and infrared physics: From non-global logarithms to hadronization
- Wednesday 2:00pm: Giordon Stark, 3-1
- Thursday 2:00pm: Saptaparna Bhattacharya, 6-1
- Thursday 3:45pm:

Jan Fiete Grosse-Oetringhaus (CERN): High Density QCD with Heavy-Ion and Proton Beams

Thursday 21 Dec 2023, 15:45 → 17:15 Europe/Zurich

15:45 → 16:30 High Density QCD with Heavy-Ion and Proton Beams 45m

It is more than 35 years ago that the first heavy-ion collisions occurred at CERN and in the meanwhile an exploratory field has grown into a precision era.

The seminar will give a review of studies of the high-density regime of the QCD phase diagram with heavy-ion and proton beams. The nature of the Quark-Gluon Plasma, the onset of its production as well as the transition to hadrons will be discussed. A set of observables will be introduced which allow one to understand the key properties of the Quark-Gluon Plasma.

Finally, measurements relevant to astroparticle physics will be discussed.

Speaker: Jan Fiete Grosse-Oetringhaus (CERN)

kceta_colloquium_2...

Termine

- 15.01. Jahresrückblick / Neujahrsempfang, Campus Nord, 9-12



Today's Presentation

... by Philipp Schnitzius

Extension and upgrade of the control and monitoring facilities of an irradiation station

