

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

09.05.2022

New members or status changes

... since the last meeting

- Crista Falk (MIT)
- Stephen Kandeh (MIT)
- Frederik Schmitt (BSc)
- Alexander Avocone (BSc)
- Robin Panzer (BSc)
- Simon Daigler (BSc) (excused today)

Upcoming Events

... this week

- 20.06. - 5pm ETP Meeting
 - Summary of FCC week - Xunwu Zuo
- 21.06. - 5pm Particle Physics Seminar
 - Collider phenomenology of Axions, ALPs and Z' bosons - Felix Yu (Mainz)
- 23.06. - 3.45pm Particle Physics Colloquium
 - Black hole archeology with GW - Djuna Croon (Durham)
- 24.06. - 3.45pm Physics Colloquium
 - Hunting dark matter with global fits of particle physics and cosmology - Felix Kahlhöfer (KIT)

Upcoming Events

... next ETP meetings

- 27.06. - 5pm ETP Meeting
 - No meeting - CMS week
- 04.07. - 5pm ETP Meeting
 - No meeting - Higgs Party
- 11.07. - 5pm ETP Meeting
 - ML methods in mechanical engineering (TBC) - Ian Steegmayer

CMS Module Workshop

...

CMS HGCAL Workshop

...

- HGCAL project managers and lead engineers visited last Wednesday (6/15) to discuss a menu of projects for KIT/ETP
- Lots of interesting and challenging work packages
- Iterating with workshops to select and define projects

ETP Running Team

... KIT Run Meeting

- 10km run Saturday, 25.06.22
- Registered ETP Team
- You can still add your name at <https://kitsc.de/leichtathletik>



ETP

Burkart, Maximilian

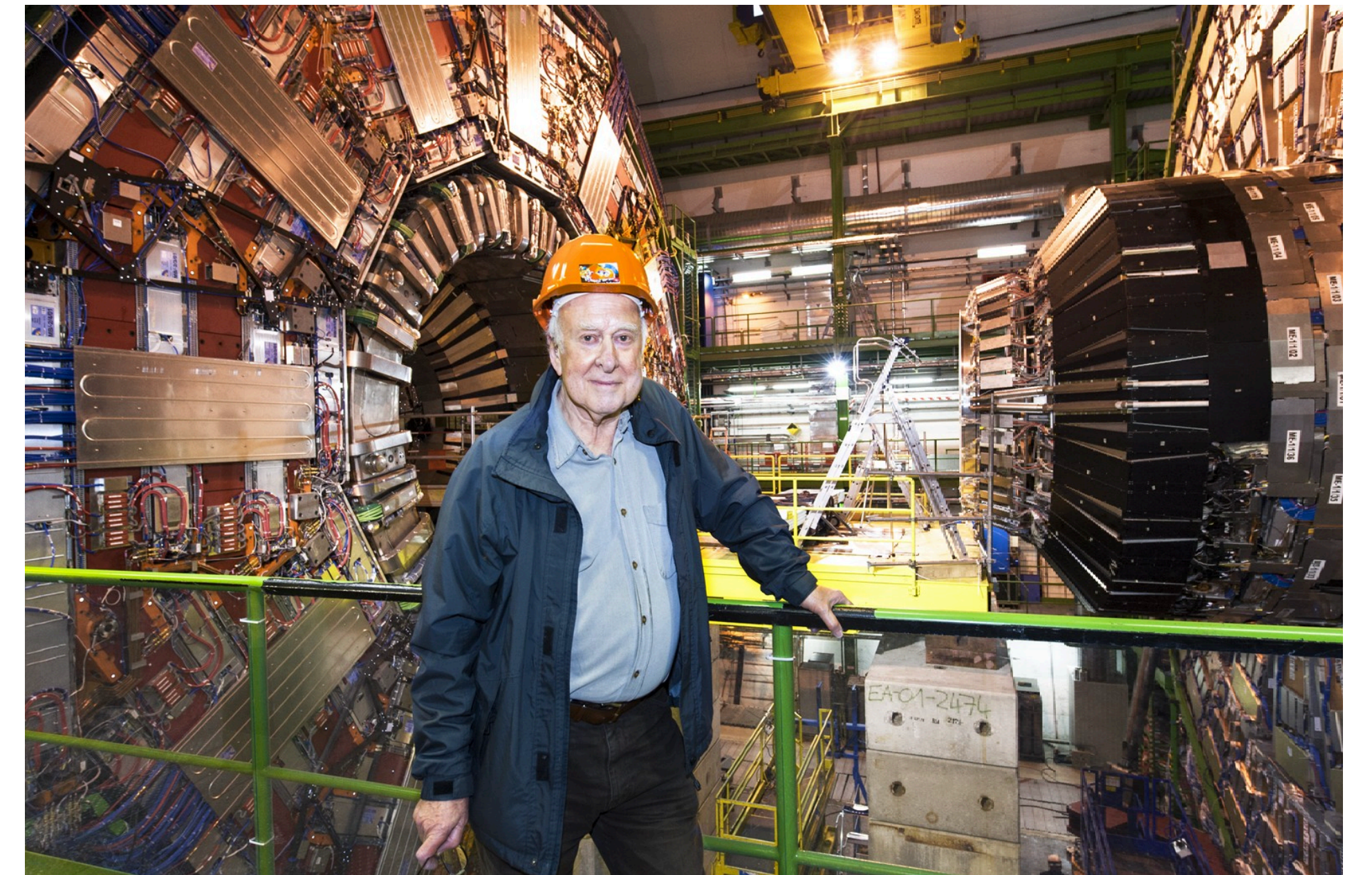
Klute, Markus

Trevisani, Nicolo

Higgs@10

... July 4th, 2022

- Public event starting at 1800
 - Gerthsen Hörsaal
 - Link to CERN (Frank)
 - Short presentations (Markus)
 - Podiumsdiscussion (Anke-Susanne, Belina, Felix, Ulrich, Markus)
 - Moderated by Martin Besinger (SWR)
- Post-event party at 1930



Miscellaneous

...

- KIT - Trennungsrechnungsportal —- Please ignore for now
- Poster - are we ready for submission?

Featured presentation

... by Xunwu Zuo

Summary of FCC Week in Paris



<https://indico.cern.ch/event/1064327/>