

ETP Weekly Meeting

News



Institut für Experimentelle
Teilchenphysik (ETP)

Institut für Experimentelle Teilchenphysik

```
def main(config):
    logger.info("Start")
    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 as rnd
    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

09.05.2022

New members or status changes

... since the last meeting

Upcoming Events

... welcome to the summer semester

- 08.05. - 5pm ETP meeting
 - Summary of the Jet/MET workshop
- 12.05. - 3.45pm Particle Physics Colloquium
 - Rainer Mankel (DESY)- “Large Scale Detector Alignment“
- 13.05. - 3.45pm Physics Colloquium
 - No Colloquium

ETP News

... <https://www.etp.kit.edu/english/1178.php>

- [Reviving ETP News / Aktuelles](#)

May 2, 2022 - ETP Photoshooting



Photoshooting

The ETP used the KIT photo studio at the north campus to boost our science communication and webpages. Michael Hoch took the pictures and will prepare a poster for the institute.

- Please submit short reports (papers, relevant talks, workshops, activities, ...)
 - How about the W mass or HEP ML talks?
 - How about the Badische Meile?

Badische Meile

... KIT Run Meeting

- 8,88889km run Sunday, 08.05.22
- Successful KIT-ETP participation
- [KIT Link](#)



Campus Day

... May 14th, 2022

CAMPUS TAG

LERNE DEINE UNI VOR ORT KENNEN

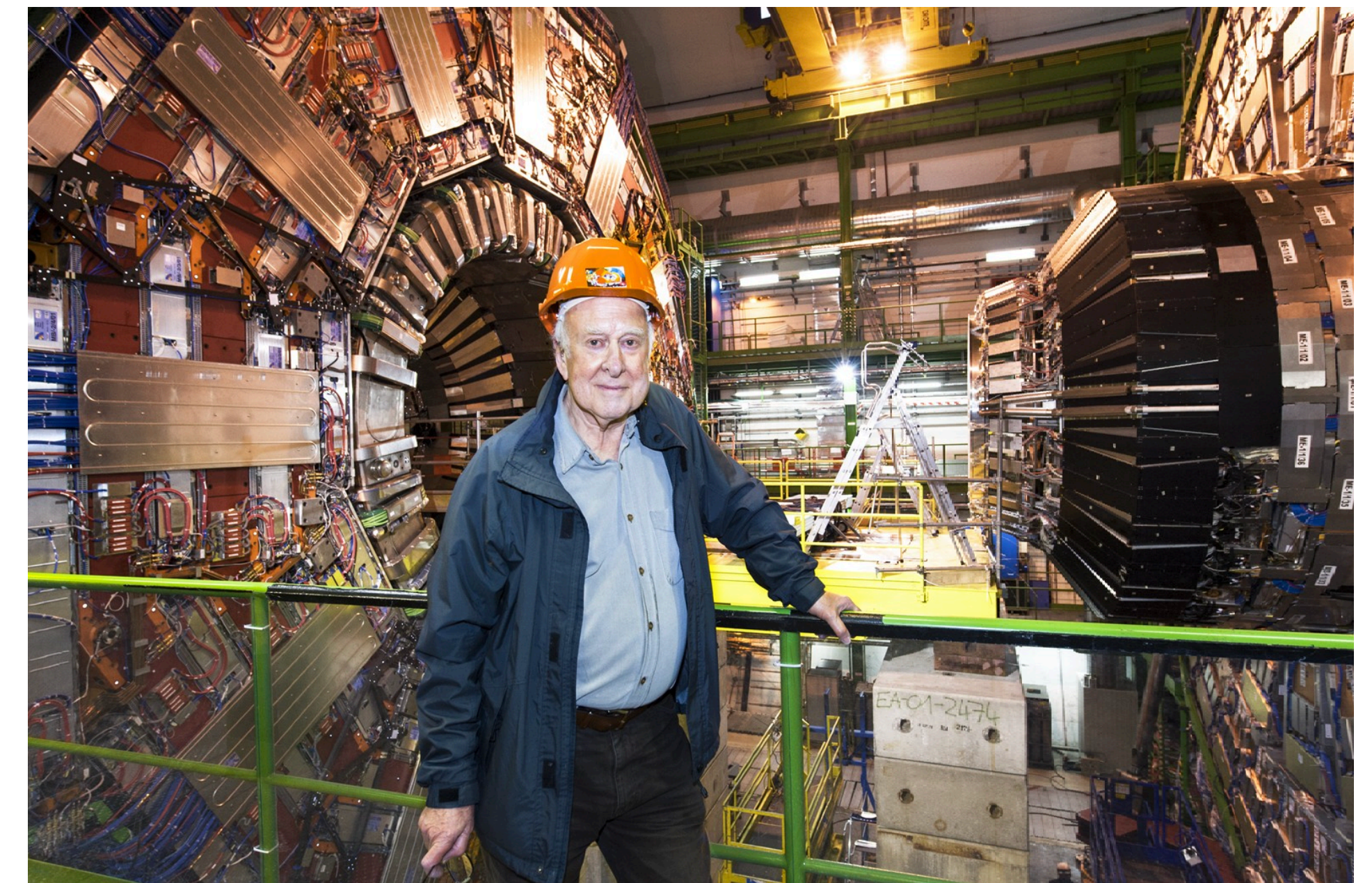


- Campustag (<https://campustag.sle.kit.edu/index.php>)
 - Date: Saturday, May 14, 10:00–16:00
 - Introduce KIT and its bachelor study programs to high school students
 - Students pre-register for events
- Program of the Physics Department (coordinated by K. Maurer)
 - Central exhibition: Gaede-Foyer
 - Lab visits
 - “Schnuppervorlesungen”
 - Information on study program
- Ulrich Husemann is organising the event for ETP
 - Please let him know if you are available to help

Higgs@10

... July 4th, 2022

- Public event starting at 1800
 - Gerthsen Hörsaal
 - 3 short presentations
 - Podiumsdiscussion
 - Re-use posters in Foyer
- Post-event party at 1930
- Forming an organising team to prepare the event(s)



Featured presentation

... by Maximilian Horzela et al

Summary of Jet MET workshop in Florenz



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Summary of Jet MET workshop in Florenz

RAMPING UP TO LHC RUN 3

11 - 13 April 2022
Galileo Galilei Institute for Theoretical Physics
Florence
Italy

CMS JetMET Workshop

Organising committee:
Christina Angela McLean, Giuseppe Barbagli,
Giuseppe Latino, Henning Kirschenmann, Laurent Thomas

CMS
INFN
Galileo Galilei Institute for Theoretical Physics
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