

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

14.02.2022

This Meeting

... what is this all about

- Weekly ETP meeting; Mondays at 5pm; limited to 1 hour
 - <https://indico.scc.kit.edu/category/132/>
 - We will announce if the meeting is cancelled
- Share institute news
- Welcome new members ... and farewell to old friends
- Featured presentation
 - Preference for master's research project
 - Bachelor projects or special topical discussions also possible



New members or status changes

... in 2022

- Who are you and what are you working on?
- Bachelor
 - Jonas, Michael, Tim
- Masters
 - Artur, Cedric, Achim, Raphael
- PhDs
 - Ralf, Tim, Umut
- Postdocs
 - Ann-Kathrin, Sally, Nicolo, Clement, Florian

Miscellaneous

...

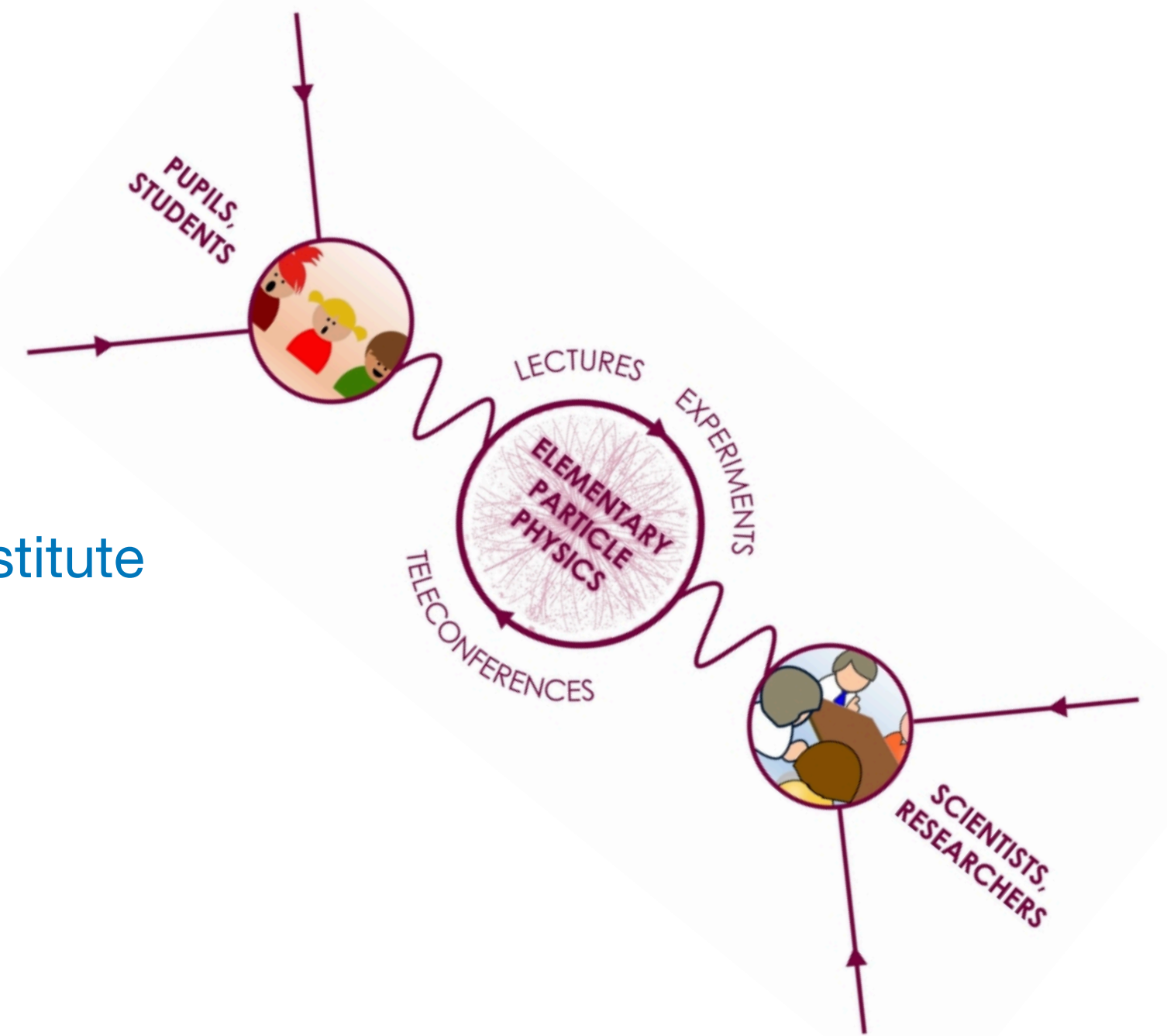
- Congrats to
 - Hannes on his bachelor thesis
 - Christina on her master's thesis
 - Florian (Feb 4) und Felix (Feb 11) on their PhD thesis
- Patty McBride elected new CMS Spokesperson 9/22-8/24
- Arbeitsgruppenvorstellungsveranstaltung 07.02.22 - thank you!



Outreach

... interaction with the public

- Many opportunities to engage with the public to promote science, particle physics, and the institute
- Upcoming
 - DPG Meeting; March; virtual visit - thanks to Erik, Klaus & Frank
 - Girls day; April 28 - thanks to Isabel
 - Campus day; May 14
 - Higgs event 10 years after the discovery; July 4
 - KCETA event; July 14 - August 12 (all hands on deck)
- Tools
 - Masterclasses
 - Public lectures
 - Virtual visits
 - ...
- PS: Michael Hoch (ARTS@CMS) will be a member of this institute soon



Upcoming Events

... very selected

- KSETA Topical Courses
 - Feb 14-18 online
- 8th KSETA Plenary Workshop 2022
 - Mar 14-16 in Durbach (hybrid)
 - <https://indico.scc.kit.edu/event/2599/>
- DPG Spring Meeting of the Matter and Cosmos Section (SMuK)
 - Mar 21-25 in Heidelberg (online)
 - <https://heidelberg22.dpg-tagungen.de/>

Featured Presentation

... by Lea Stockmeier

Title: Laboratory and Integration Tests with 2S Module Prototypes for the Phase-2 Upgrade of the CMS Outer Tracker

