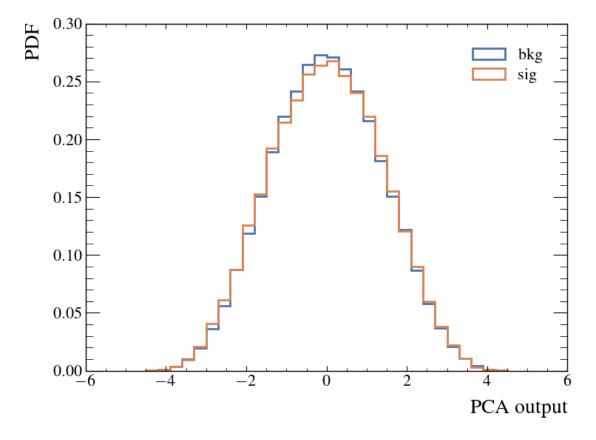
PCA

December 17, 2022

```
[1]: %cd ../../
    /home/jan/FMF/masters
[2]: saved = "ml_hep_sim/notebooks/article_notebooks/saved/"
[3]: from ml_hep_sim.pipeline.blocks import *
     from ml_hep_sim.pipeline.pipes import *
     from ml_hep_sim.plotting.style import style_setup
     import matplotlib.pyplot as plt
     style_setup(seaborn_pallete=True)
[4]: data_name = "higgs_sig"
     x1 = ConfigBuilderBlock(
         override_config={
             "datasets": {
                 "data_name": data_name,
                 "data_params": {
                     "subset_n": [10 ** 5, 10 ** 5, 10 ** 5],
                     "batch_size": 1024,
                     "rescale": None,
                     "to_gpu": False,
                     "shuffle_data": True,
                 },
             },
         },
         model_name="",
     )()
     x2 = DatasetBuilderBlock()(x1)
     x3 = ReferenceDataLoaderBlock()(x2)
     x4 = PCARunnerBlock(save_data=False)(x3)
[5]: pipe = Pipeline(pipeline_name=f"PCA_test_pipe", pipeline_path="ml_pipeline/")
```

WARNING:root:Loading from ml_hep_sim/notebooks/article_notebooks/saved/PCA_test_higgs_bkg.p WARNING:root:Loading from ml_hep_sim/notebooks/article_notebooks/saved/PCA_test_higgs_sig.p



[]: