

Minor and Major Updates

Status Report

Markus Prim | 07.10.2016

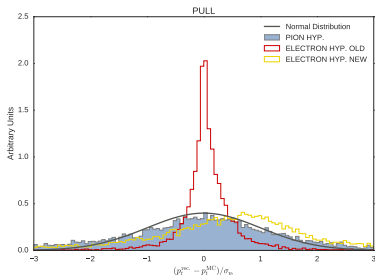
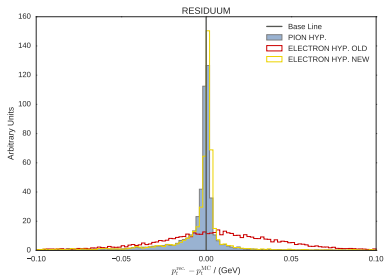
INSTITUT OF EXPERIMENTAL NUCLEAR PHYSICS (IEKP)



- <https://agira.desy.de/browse/BII-1594>
- Problem: The stored parameters are meaningless, when not stored at the perigee.
- Fix: Don't store them.
- Result: We loose 0.0565 % of tracks (≈ 1 in 2000).

- <https://agira.desy.de/browse/BII-610>
- Problem: Treatment of bremsstrahlung in GenFit is broken.
- Hot Fix: Disable bremsstrahlung treatment during electron fitting.

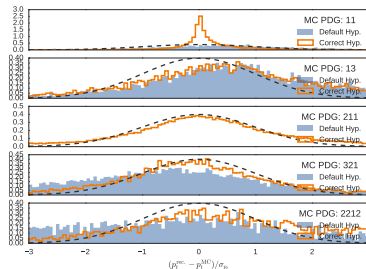
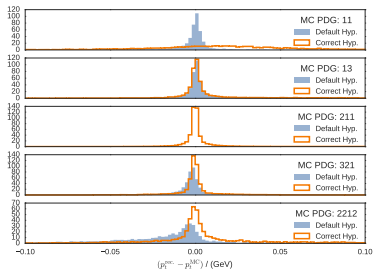
```
path.add_module('SetupGenfitExtrapolation',  
                energyLossBrems=False, noiseBrems=False)
```



Multiple Hypotheses Fits

■ <https://agira.desy.de/browse/BII-1484>

```
path.add_module('TrackCreator', additionalPDGCodes=[11,  
13, 211, 321, 2212])
```



```
copyList('K_S0:all', 'K_S0:V0', path=main_path)
copyList('K_S0:all', 'K_S0:RD', path=main_path)
matchMCTruth('K_S0:all', path=main_path)
main_path.add_module('TagUniqueSignal',
    particleList='K_S0:all')
```

