不同η区间利用v0 selection 挑选出的纯电子在before & after PID selection的表现

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## > Data

- LHC17pq FAST pass2 (pp@5.02TeV)
  - Runlist: 282367, 282366, 282365, 282343, 282342, 282341, 282340, 282314, 282313, 282312, 282309, 282307, 282306, 282305, 282304, 282303, 282302, 282247, 282230, 282229, 282227, 282224, 282206, 282189, 282147, 282146, 282127, 282126, 282125, 282122, 282120, 282119, 282118, 282099, 282098, 282078, 282051, 282050, 282031, 282025, 282021, 282016, 282008.

- ➤ 同一组data,但有些task crash了,导致事例数不同。
- ➤ Before PID selection用的事例数为 384M
- ➤ After PID selection用的事例数为582M

## > Event selection:

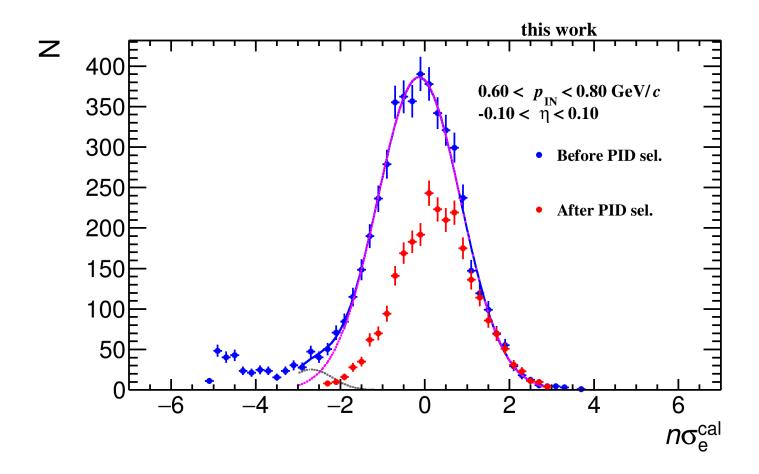
- ► INT7
- > -10 cm < VtxZ < 10 cm

## > Analysis cuts:

- > pT > 1 GeV/c
- $|\eta| < 0.9$
- > TPCncls > 100
- > 0 < TPCchi2 < 4
- > IsTPCrefit
- > IsSPDany
- > IsITSrefit
- > ITSchi2 < 36
- > |DCAxy| < 1 cm
- > |DCAz| < 3 cm

## ➤ PID selection

- $> |TPCn\sigma^{electron}| < 3$
- $ightharpoonup TPCn\sigma^{proton} > 3$
- $ightharpoonup TPCn\sigma^{pion} > 3$



➤ 所有图的pT都是从0到10GeV。

