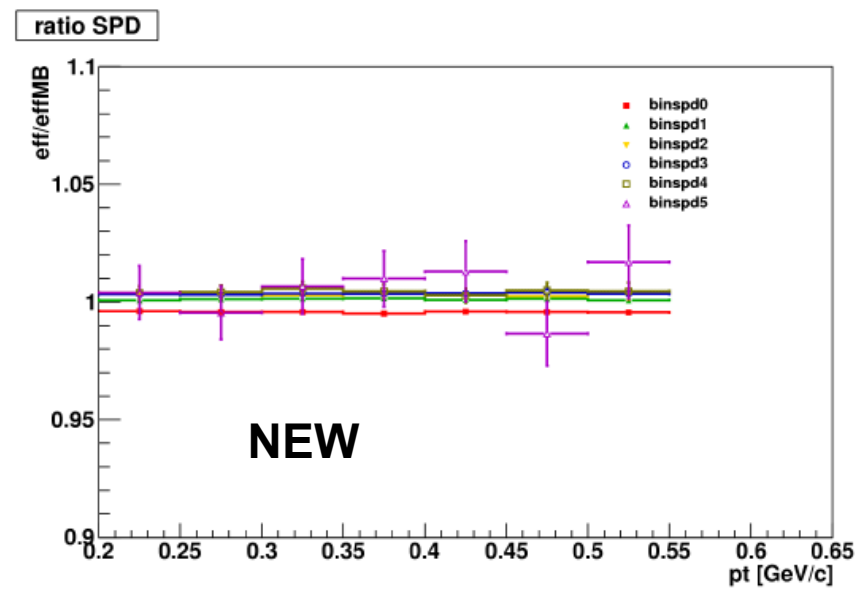
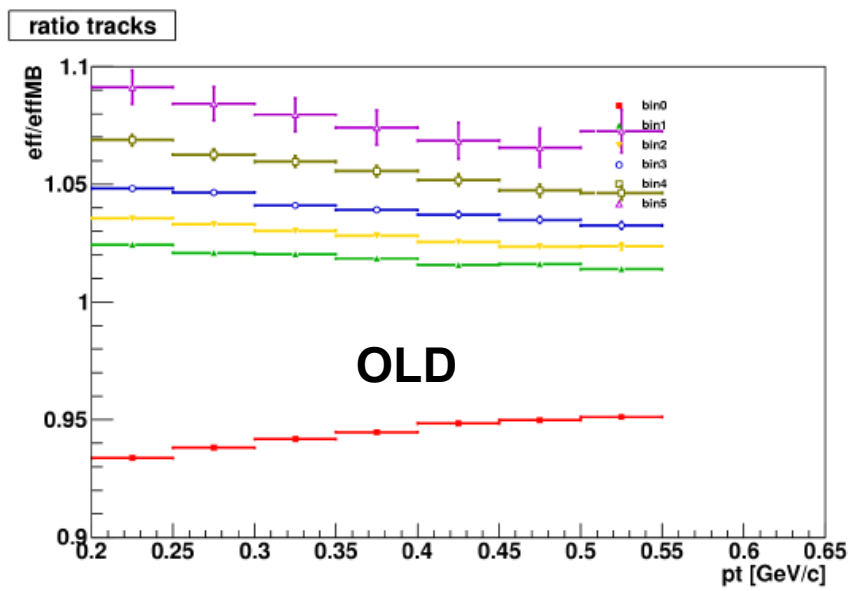
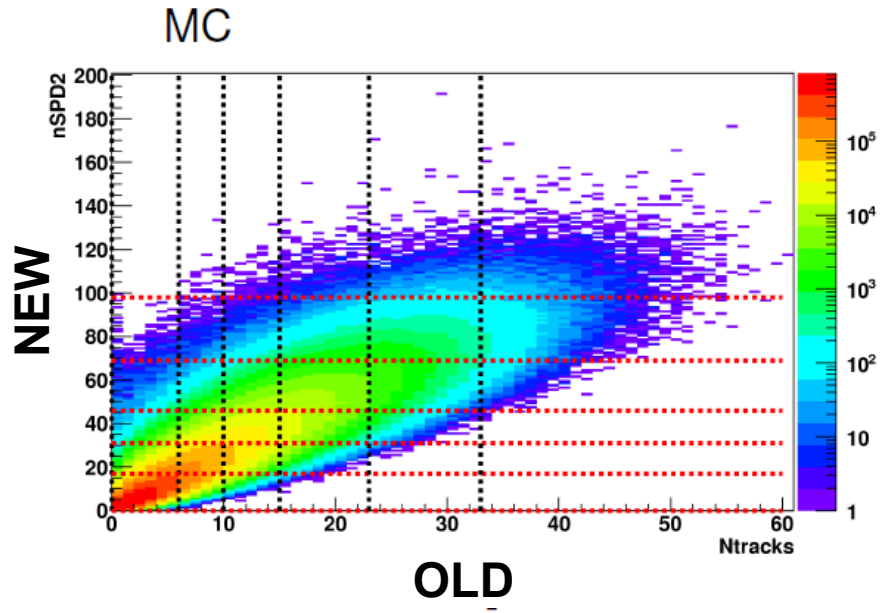
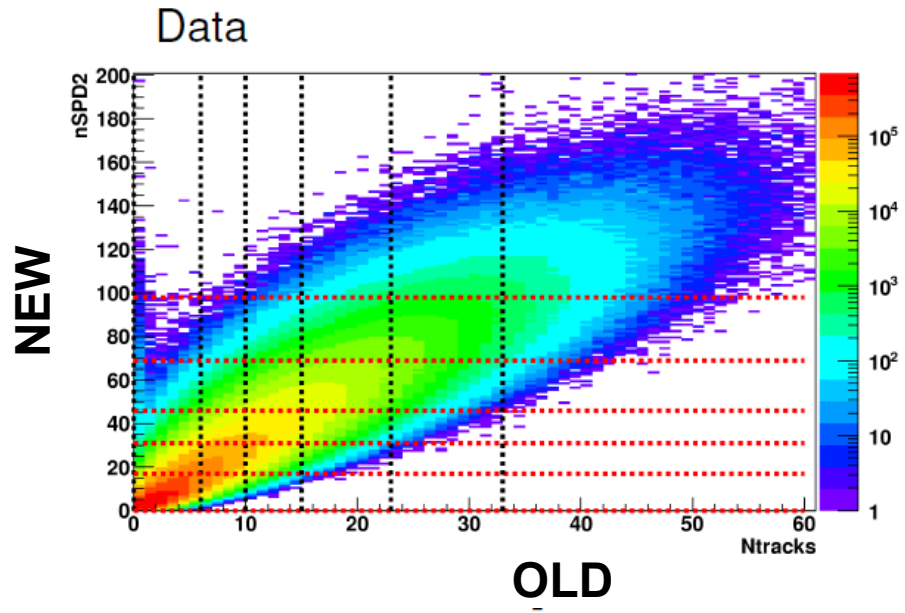


New multiplicity vs. old multiplicity estimators

from Marek Chojnacki talk of yesterday



New TPC track quality cuts

from Michele Floris talk of yesterday

Marian was not there, but I understood what I needed, from talking with Michele.

In particular, what Marian mentions as “number of clusters in crossed rows” and other stuff are relevant only for high-momentum tracks, and then for the moment nothing is foreseen to be implemented for that.

- Meeting with Marian & Jan Fiete yesterday morning
- Cuts finalized:
 - ✧ "Number of crossed rows" we cut at 70 (similar to previous cut on clusters)
 - ✧ "Number of crossed rows"/"Number of findable clusters" we cut at 80% (see Fig. 3c on Marian's note)
 - ❖ This guarantees that we loose less than 5% of the events if no readout card is missing, and it's still safe if 1 ro card is missing.
- Being implemented as a new standard method

Test run on PbPb

- ❑ **For both samples I had my first attempt to run a job with Event Mixing** (now PhysicsSelection is IN)

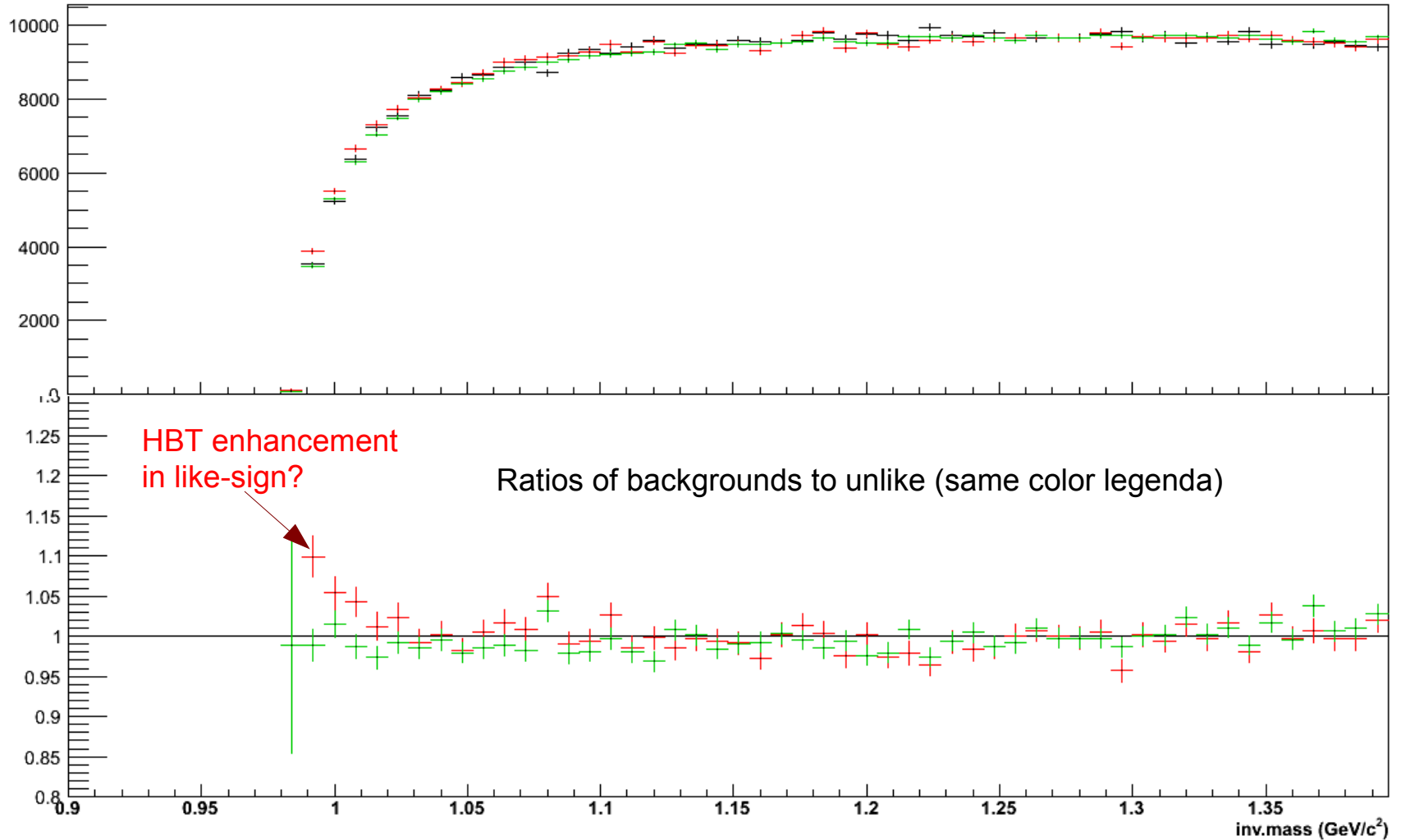
- ❑ Data: LHC10h pass2 run 13800
 - centrality: 0-10% (V0M)
 - chosen just because it contained most events (~600k)
 - its pass1 had some problems with ZDC but
 - I got this info later, and I preferred to go on with it for tests
 - the expert himself told that probably the pass2 reduced the problem a lot
 - I didn't see strange things in the small sample I succeeded in analyzing
 - up to now, jobs finished successfully for just 600 events (both for normal analysis and for mixing)

- ❑ MC: same run from LHC11a7
 - not mixed → almost all completed successfully
 - mixed → all finished but empty output (investigating)
 - probably statistics is not large?

Data

BLACK : unlike K^+K^-
RED : like $K^+K^+ + K^-K^-$
GREEN : mixing (K^+K^-)

too small statistics to see the peak,
but we can compare mixed background with like-sign



BLACK : unlike K^+K^-
RED : like $K^+K^+ + K^-K^-$
mixing job failed with MC

too small statistics to see the peak,
but we can compare real background with like-sign

