



HF jets analysis

12.11.2019 ALICE@IFJ meeting

Sebastian Bysiak

Outline




1. What was done
2. Issues and questions
3. Plans for next week


- 1. What was done**
2. Issues and questions
3. Plans for next week

What was done

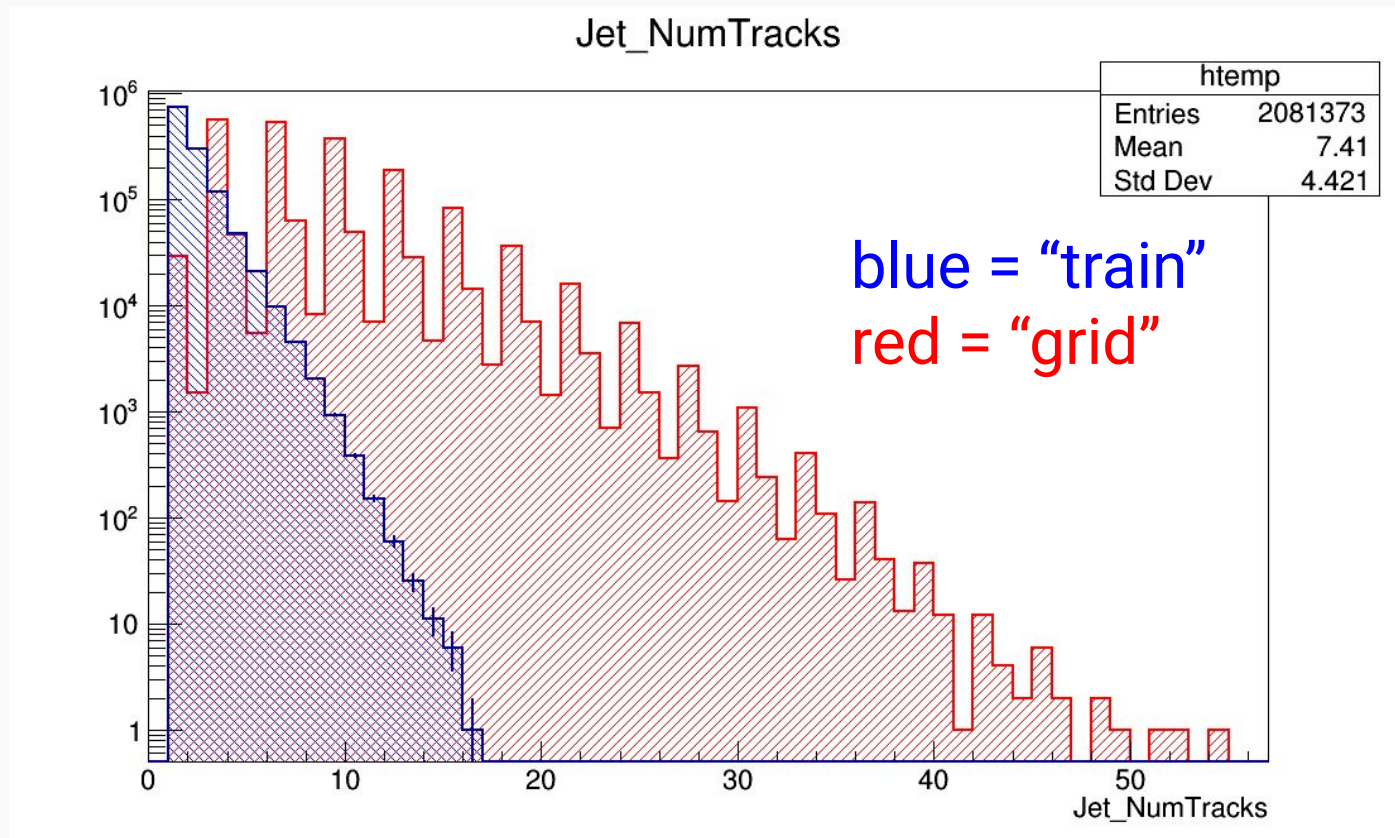


- run task on the data (LHC15n)
based on train: PWGHF/HFCJ_pp_MC/660_20190221-1807 (recommended by Rudiger)
train's config rewritten for running on grid (without trains)
validated by running local train and on grid -- identical output 
- comparison with MC (LHC16h3) -- **blocker**:
two separate sources:
 - 1) previous dataset created from subset of a single run (244480), run as local train -- "train"
 - 2) full period run on grid -- "grid"gives different output, worrisome output of "grid" (next slide) despite using almost the same configuration as in case of running on data

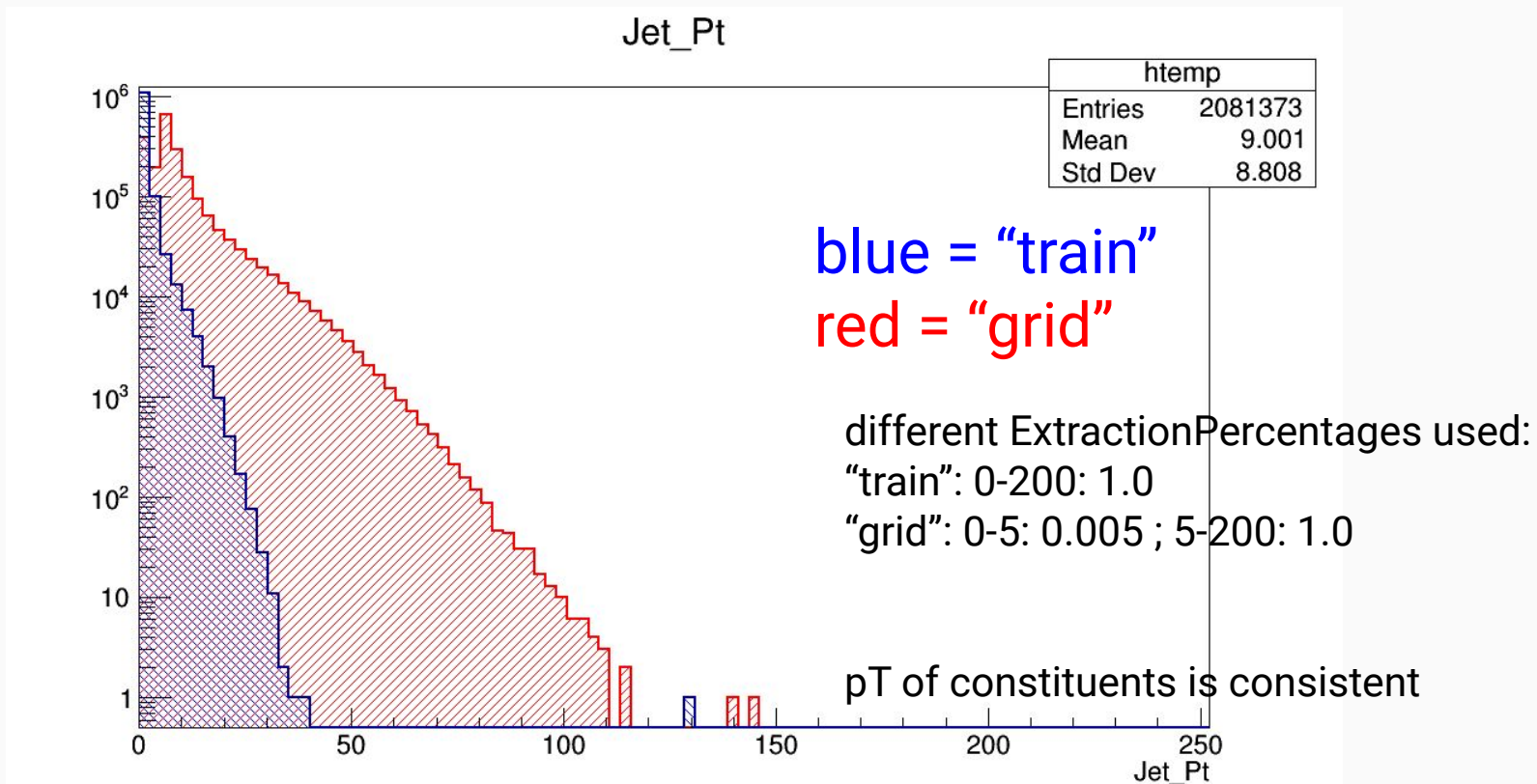
What was done

- run task on the data (LHC15n)
based on train: PWGHF/HFCJ_pp/579_20191003-1347 (by Rudiger)
train's config rewritten for running on grid (without trains)
validated by running local train and on grid -- identical output
- comparison with MC (LHC16h3) -- **blocker:** 
two separate sources:
 - 1) previous dataset created from subset of a single run (244480), run as local train -- *"train"*
 - 2) full period run on grid -- *"grid"*
gives different output, worrisome output of *"grid"* (see next slide) despite using almost the same configuration as in case of running on data

Main problem: different shapes and steps in jet multiplicity



Also pT spectrum differs



Outline



1. What was done
- 2. Issues and questions**
3. Plans for next week

- I could not find ALICE paper where electrons from HF would be matched to reconstructed SV
- warnings when running through runAnalysis.C compared to local train:
log_runAnalysis_C_noprogbarr.log
vs
PWGHF/HFCJ_pp/579_20191003-1347/log_lego_train_sh_saveall.log

Outline



1. What was done
2. Issues and questions
- 3. Plans for next week**

Plans for next week



- repair running for MC
- compare distributions MC vs data
- check triggers - if they are used, e.g. info in stdout - local trains and on grid
- research: electrons matched to SV -> hadrons matched to SV