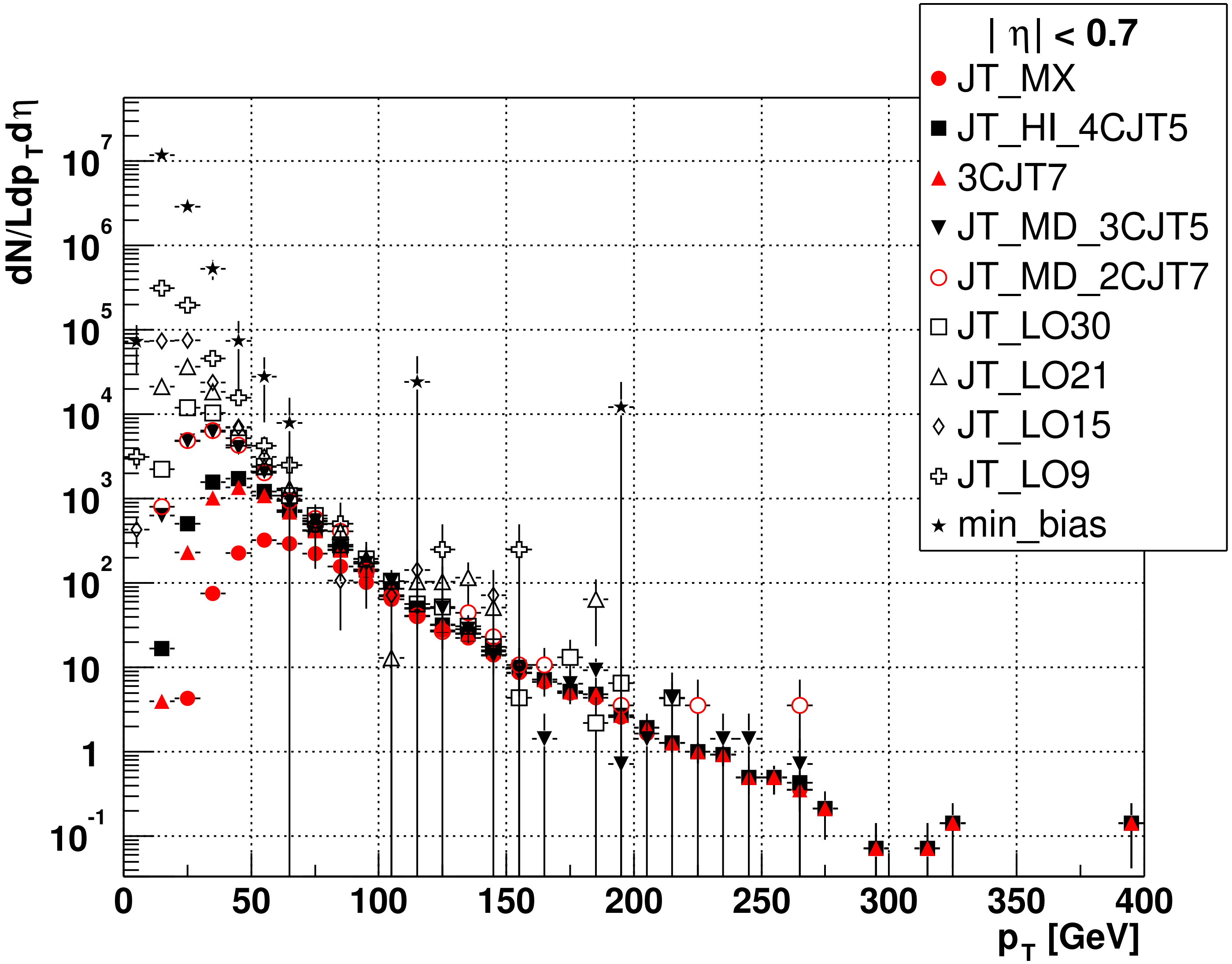
Data streaming

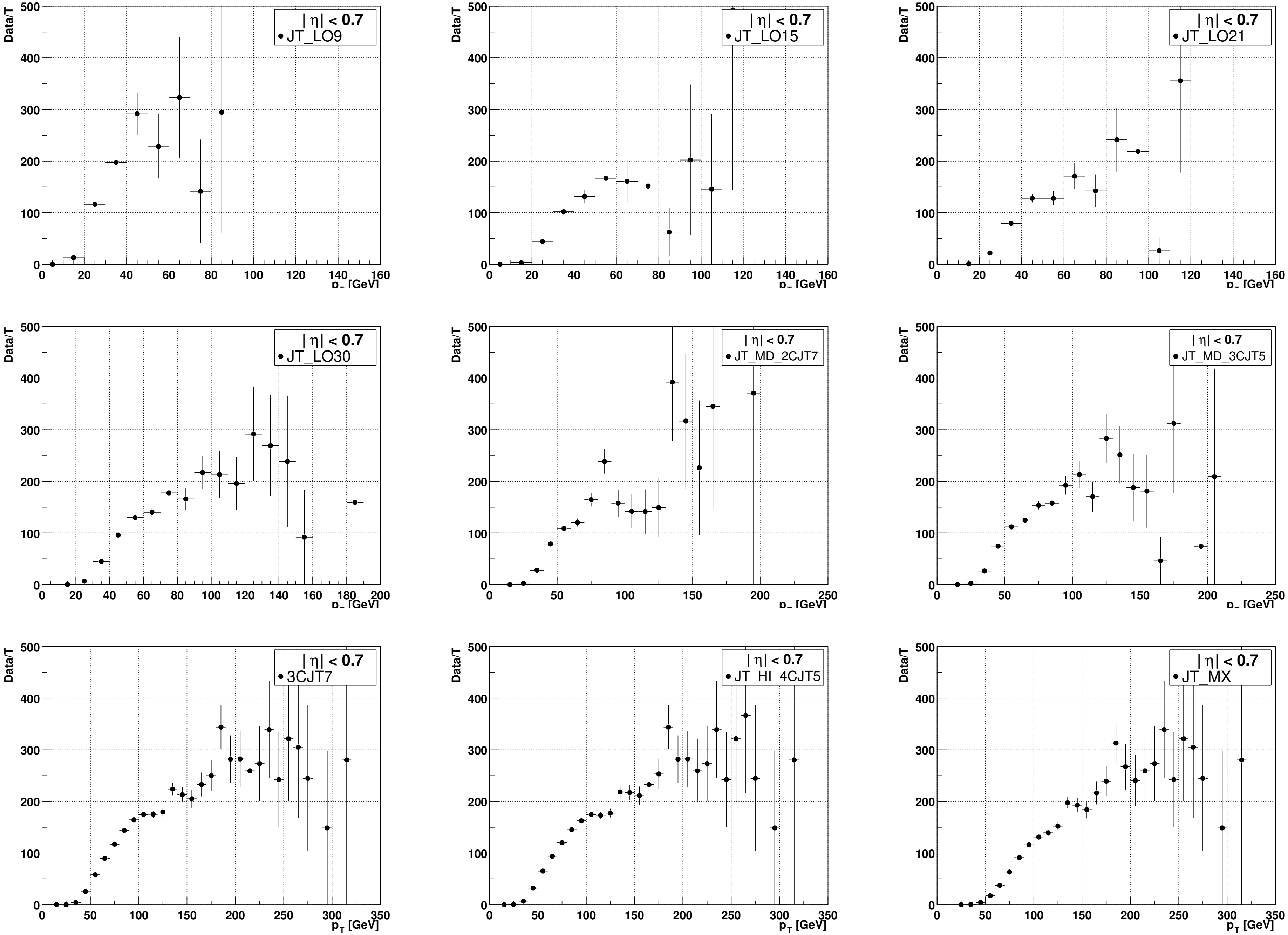
- now based on $(L3bits == 1) \,||\, (L3MarkPass == 1)$
- having L1 events for post-shutdown data taken with trigger version 3
- What is available?
  - 'Moriond' data - data taken with trigger version 3 till the end of January
  - `p10.14.01` for all trigger version 3 data (9GB)
  - `p10.14.01` for all trigger version 4 data (5GB)
- What remains?
  - `p10.14.00` for all trigger version 3 data (problems with triggers)
  - `p10.15.00` for all trigger version 4 data
- Where to find it?
  - on ClueD0 machine `kozel-clued0`
  - `/work/kozel-clued0/kupco/D0data/tuples`

L1 turn-on

- the two leading jets must be within $|\eta| < 0.7$
- plotted as a function of the p_T (after JES) of the leading jet

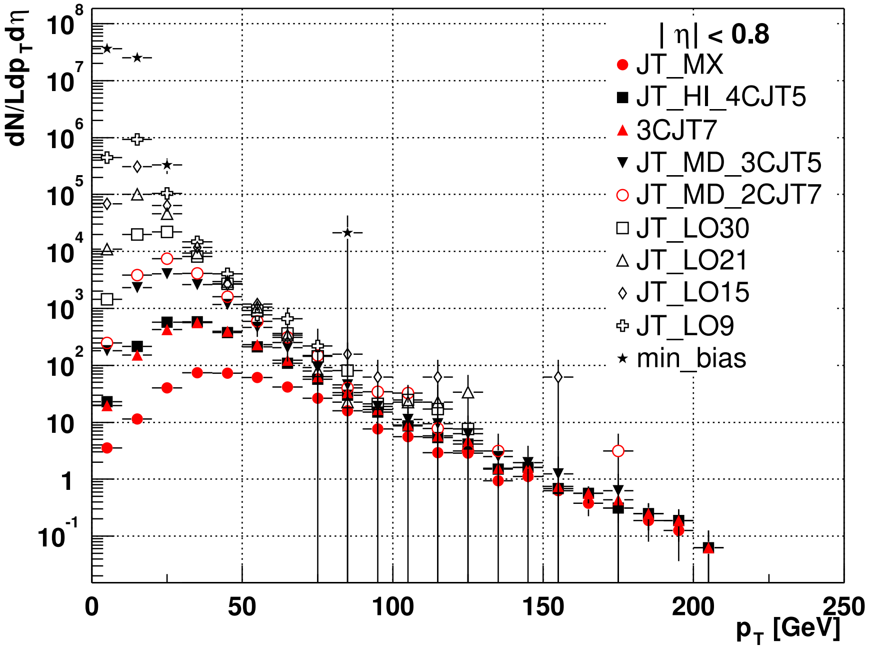


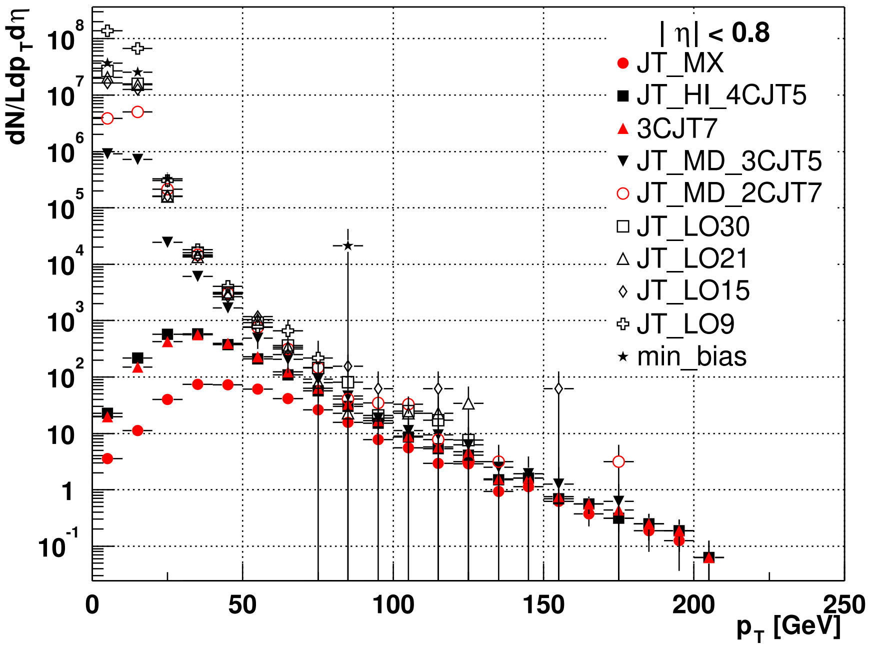
L1 turn-on II


Data/T
| η | < 0.7
JT_LO9
| η | < 0.7
JT_LO15
| η | < 0.7
JT_LO21
| η | < 0.7
JT_LO30
| η | < 0.7
JT_MD_2CJT7
| η | < 0.7
JT_MD_3CJT5
| η | < 0.7
3CJT7
| η | < 0.7
JT_HI_4CJT5
| η | < 0.7
JT_MX
p_T [GeV]

L1 efficiencies - 1 jet in trigger region

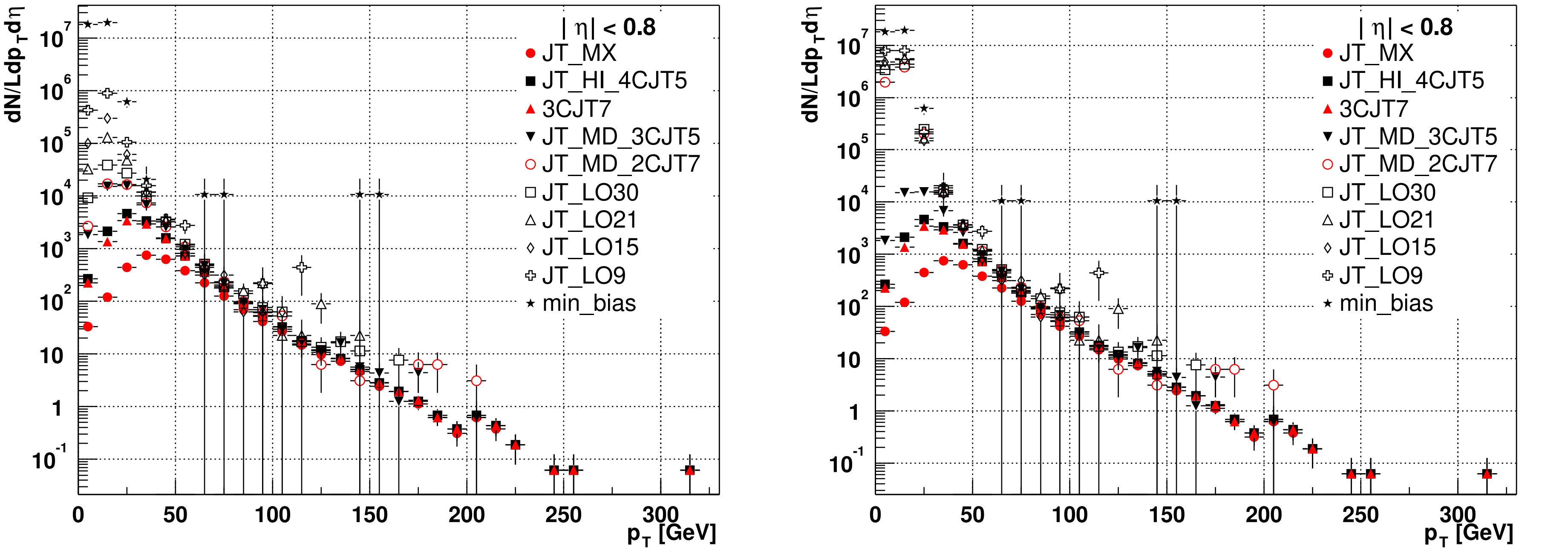
- L1 efficiencies taken from Arnulf and Markus
- no efficiencies for `3CJT7`, `4CJT5`, and `4CJT7`
- all work fine except `3CJT5`





L1 efficiencies - 2 jets in trigger region

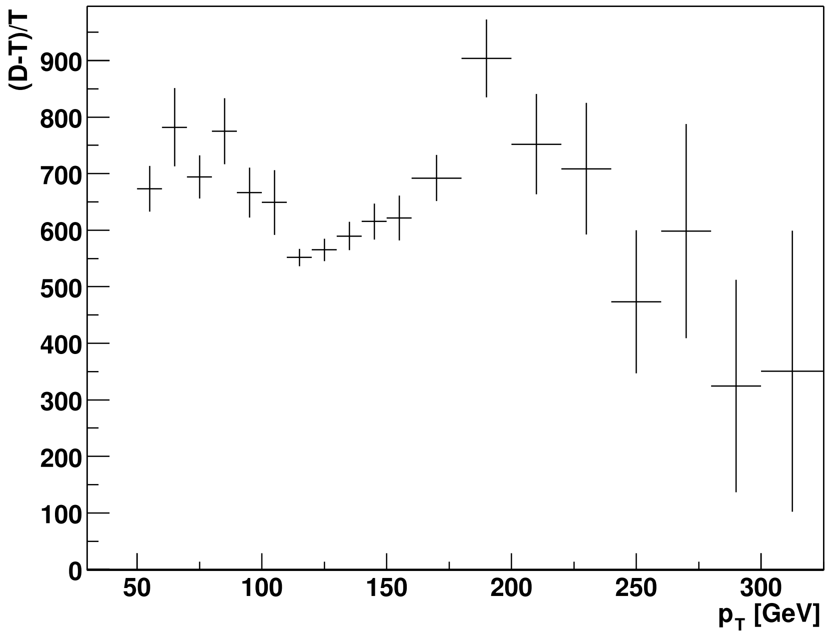
- *no efficiencies for* 3JT5, 3CJT7, 4CJT5, *and* 4CJT7
- *all work fine*



p10.14.01 check

- good runs (certification 1.1) in `p10.14.01` trigger *v3* data
- events only from good luminosity blocks (stage1b-new)
- L1 luminosity for `JT_HI_4CJT5` trigger: $\mathcal{L}_{L1} = 0.29\,\mathrm{pb}^{-1}$
- correction to L3 losses from minimum bias cross section $(34.2\,\mathrm{mb}/43.3\,\mathrm{mb})$
- smooth theory

p10.11.00 from prescales



p10.14.01 from good LumBlk