

PHENIX Run16 status

time meeting 05/03/2016

Denis Jouan

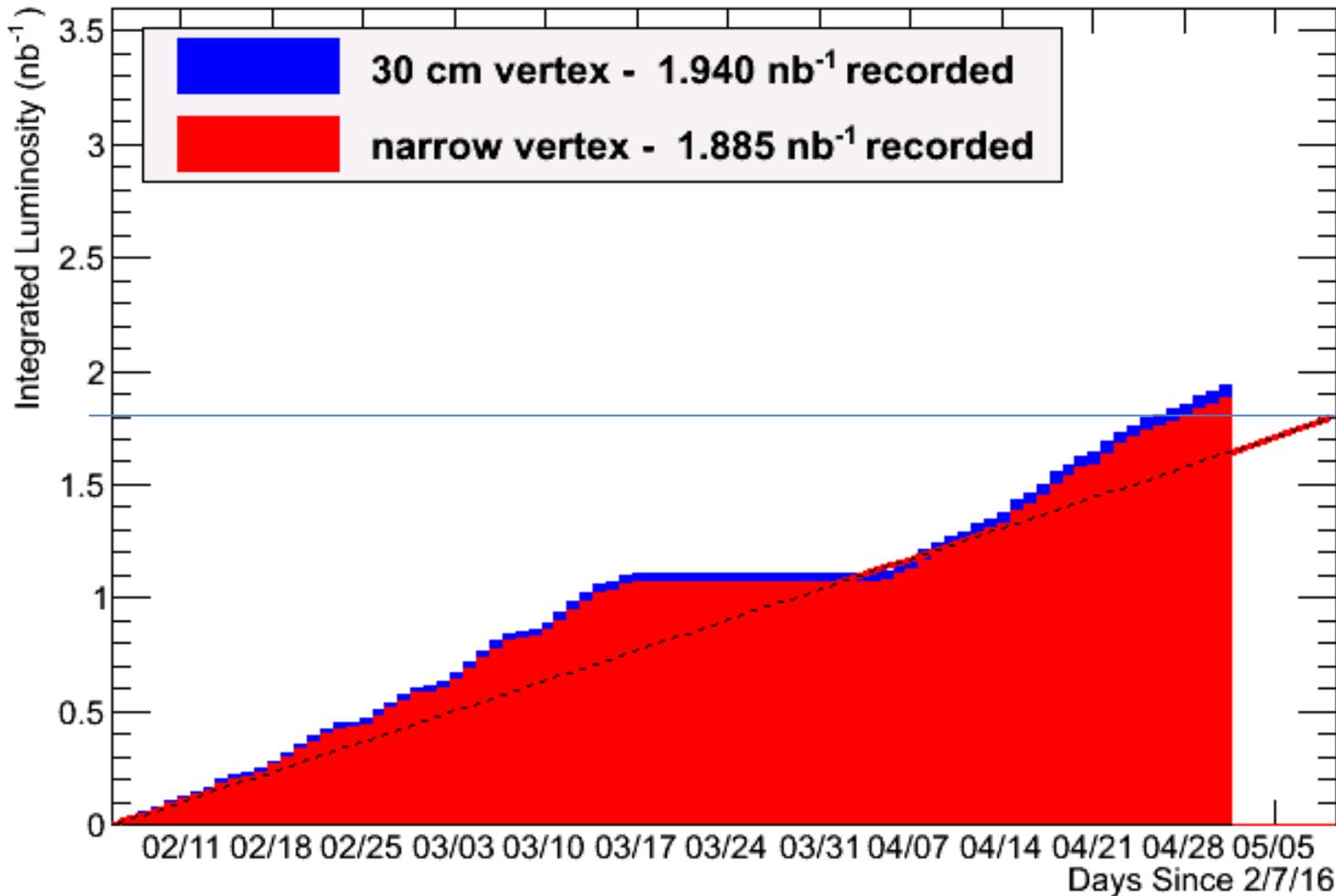
PHENIX Run 16 Coordinator

Institut de Physique Nucléaire Orsay,
CNRS/IN2P3, université Paris sud, Université Paris Saclay

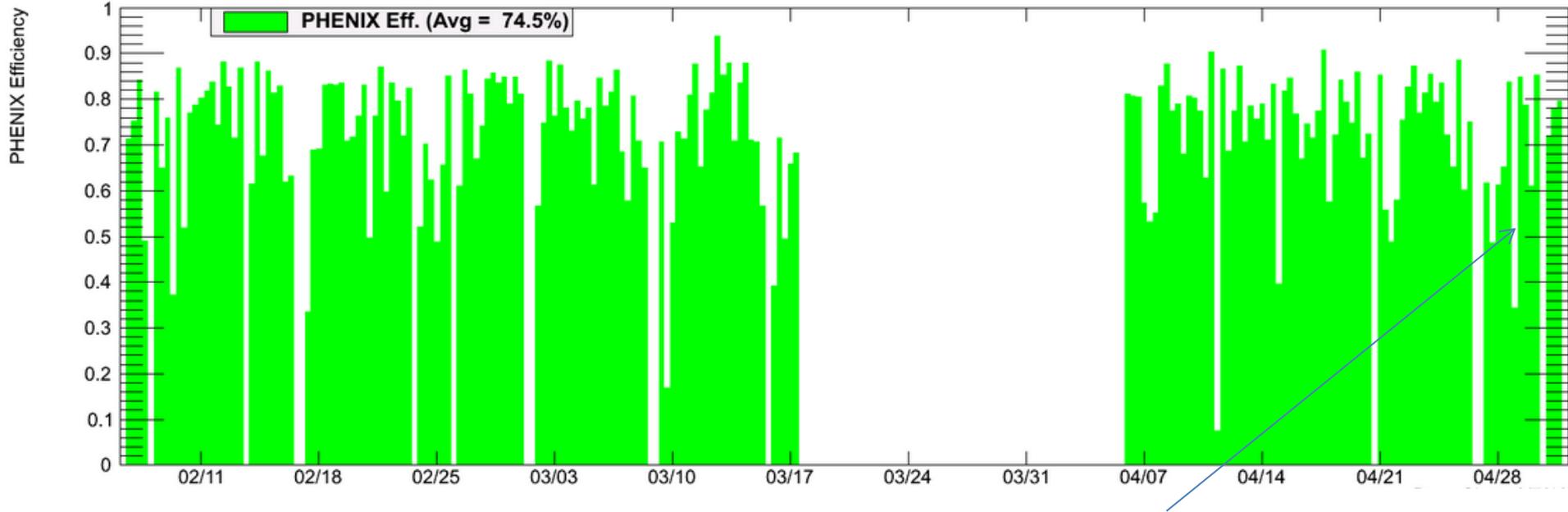
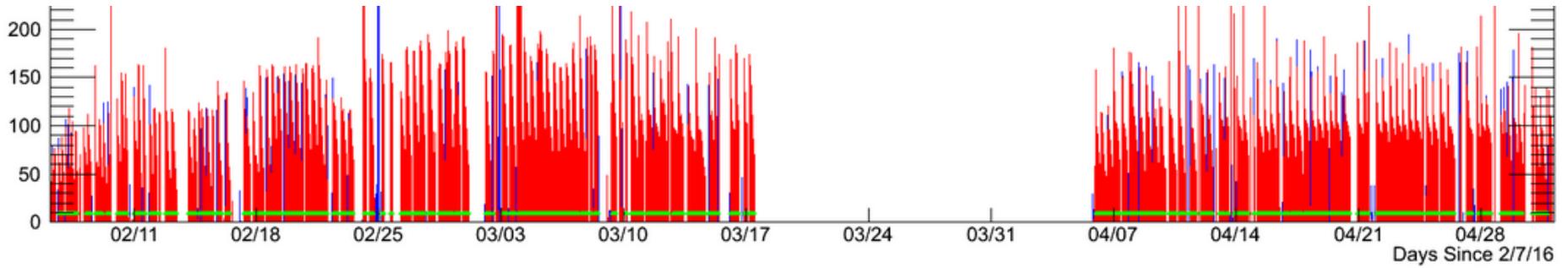
luminosity

PHENIX Integr. Sampled Lumi vs Day

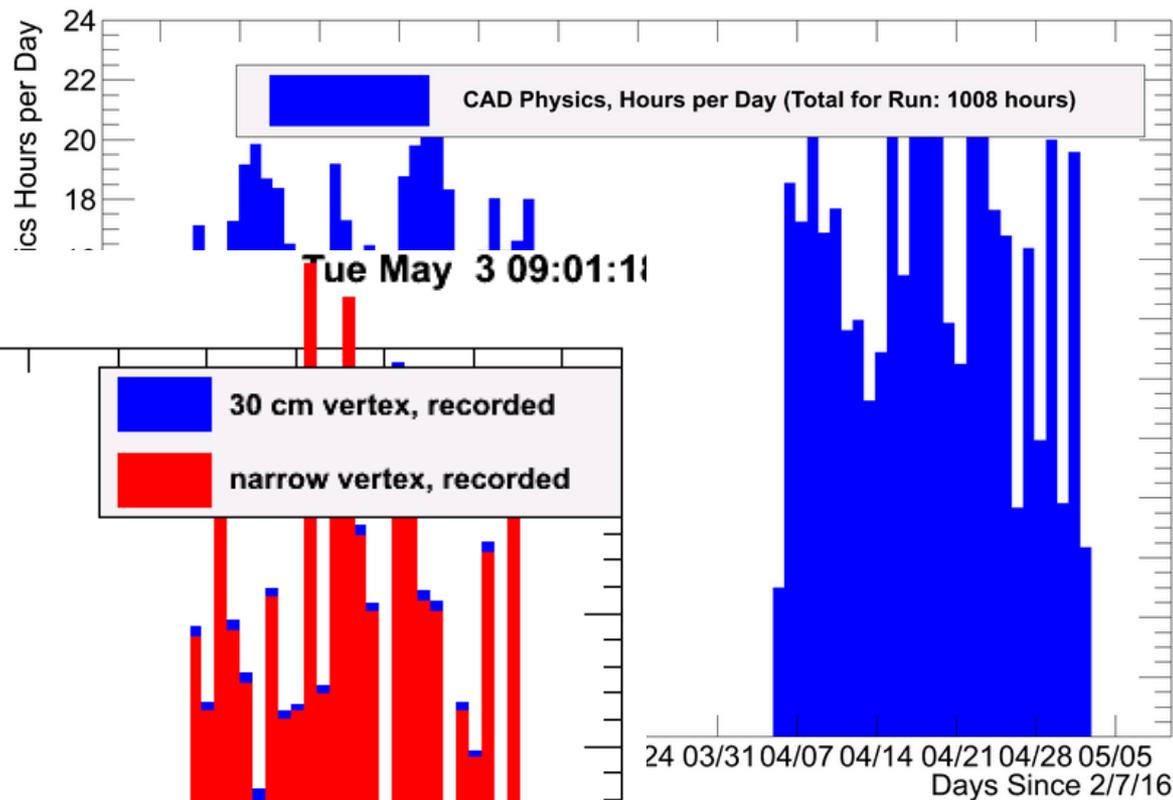
Mon May 2 21:01:16



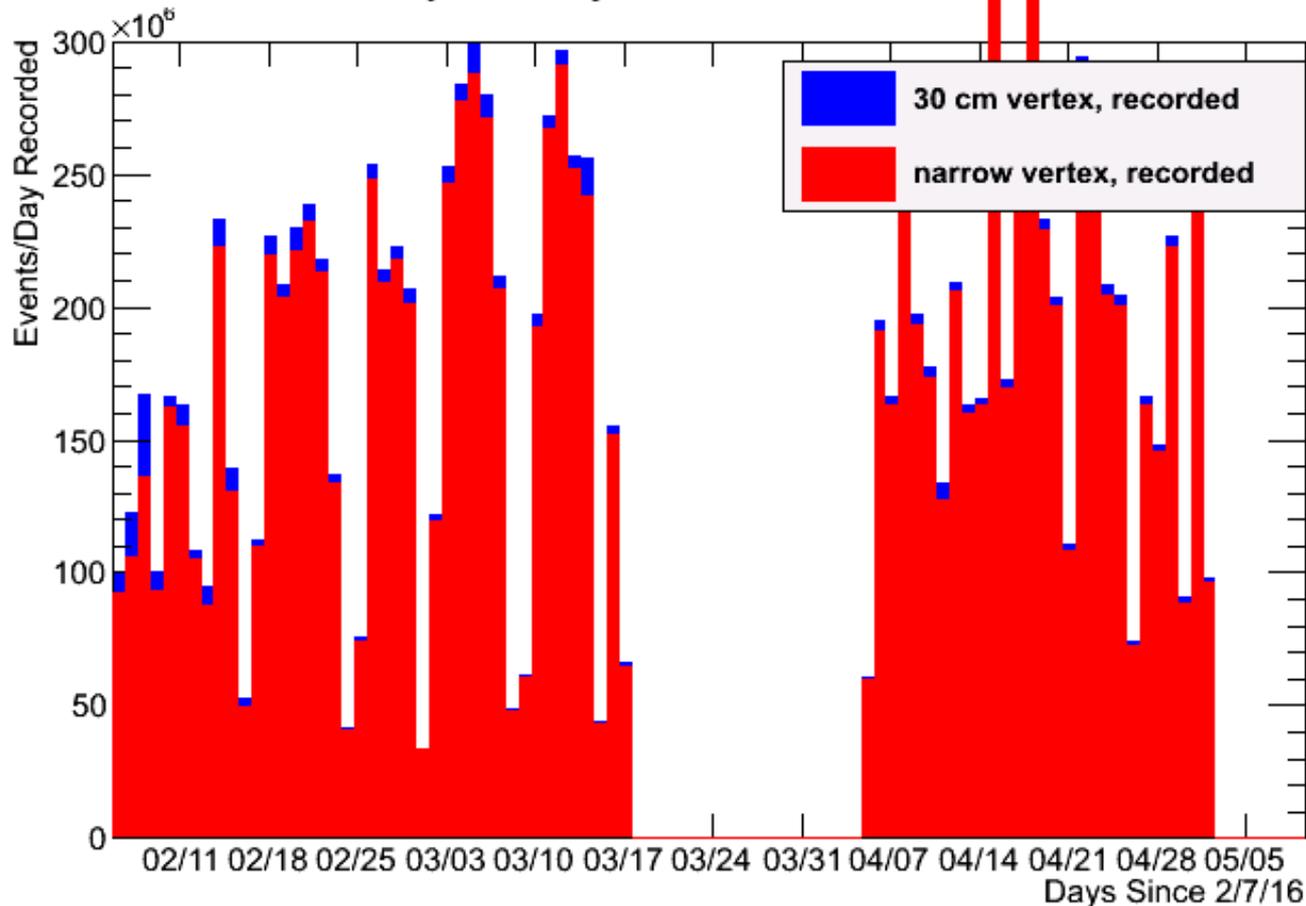
BUP goal
 1.8 nb^{-1}
 « narrow
 vertex »
 Reached for
 some days



Some drop of DAQ uptime,
partially associated to some
chaoticity in stores

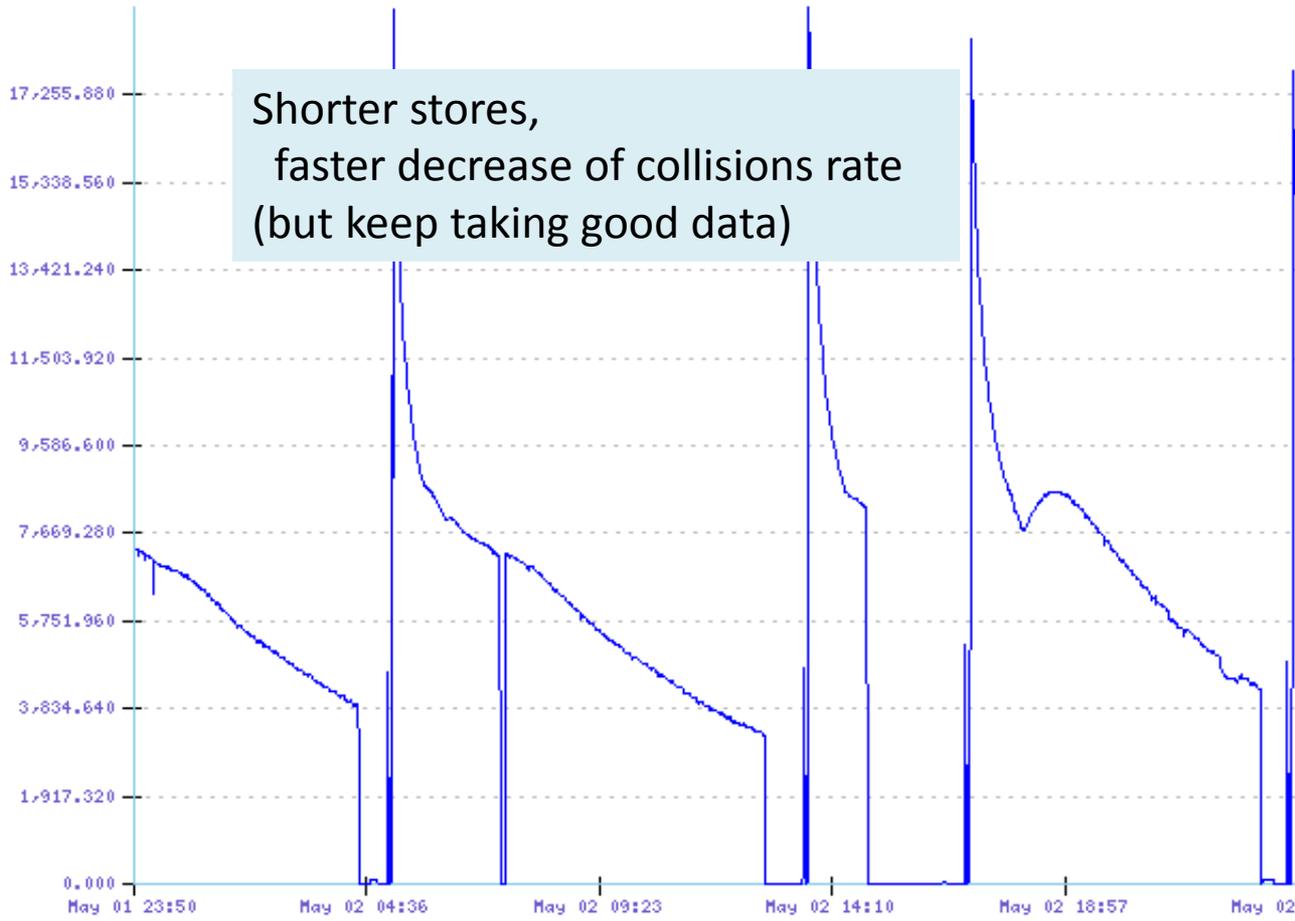
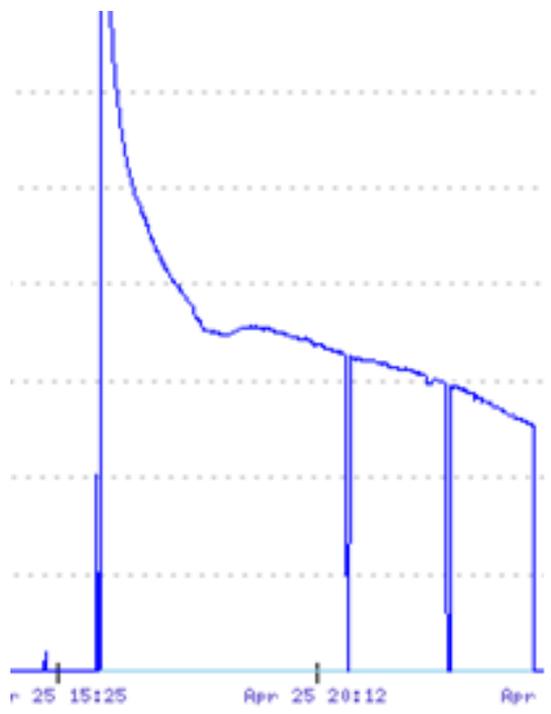


PHENIX Events/Day vs Day



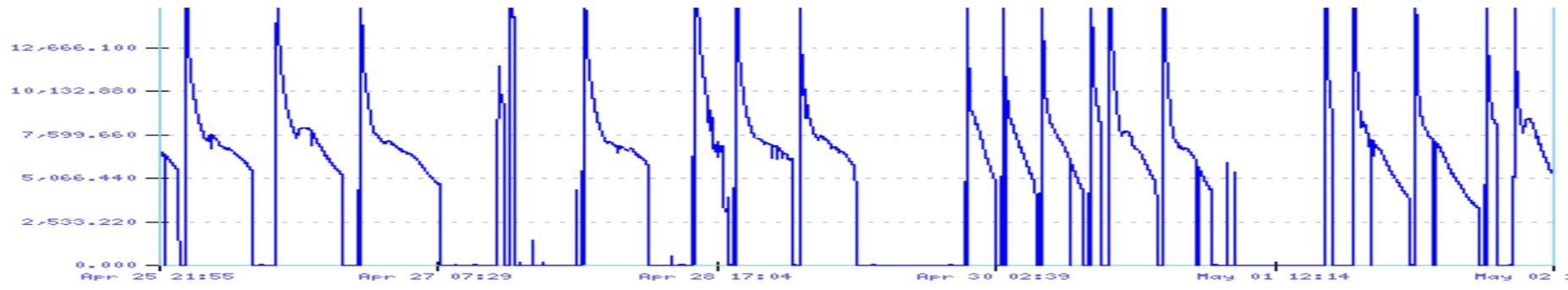
Last week:

- 6.5K ¾ of store
- 5.5 KHz at end



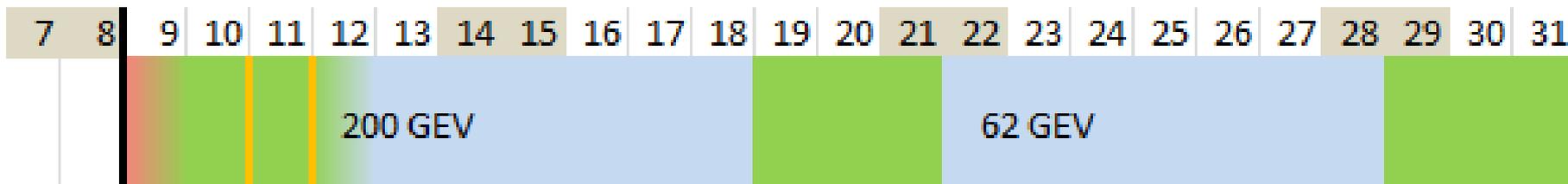
Shorter stores,
faster decrease of collisions rate
(but keep taking good data)

Rate (Hz)

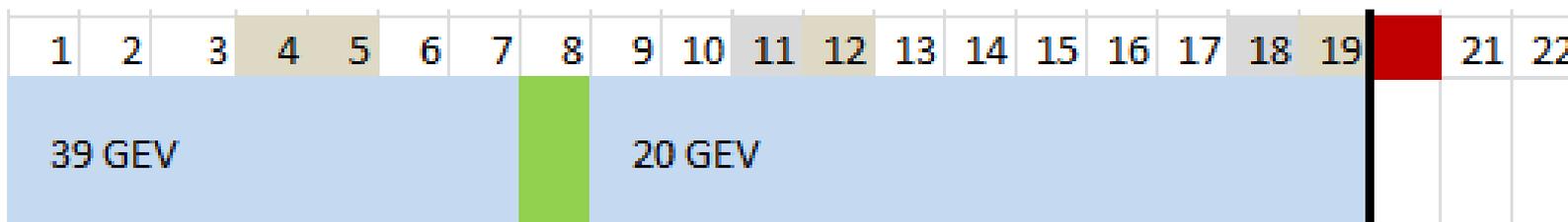


Next week: d-Au 200 GeV

MAY



JUNE



Sketch of a tentative schedule to fit in these goals:

- 1 week of physics at 200 GeV (goals: 1B events for flow and 77/nb for MPC-EX)**
- 1 week of physics at 62 GeV (min. goal of 160M events. 320M events maximum)**
- Minimum 1 week of physics at 39 GeV (min. goal of 110M events)**
- Minimum 1.5 week of physics at 20 GeV**

Next monday, maintenance day

- Drift Chamber west : remove broken wires to restore 20% of acceptance
- Purging before and after: 2days AuAu beam without central tracking
- Plus change of some FEM
- Muon tracker: change LV connector

Summary

- BUP goal reached
- Vacuum problems decrease the rate significantly below our request, but keep it as it is for Star.
- Repair DCh next Monday for restoring acceptance
- Next week end: no central tracking
(could be a good time for low luminosity store needed by Star)