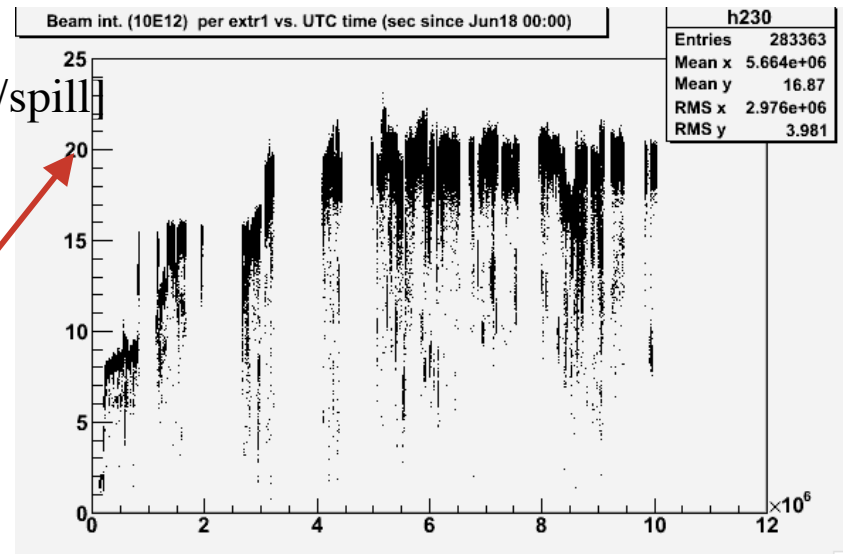
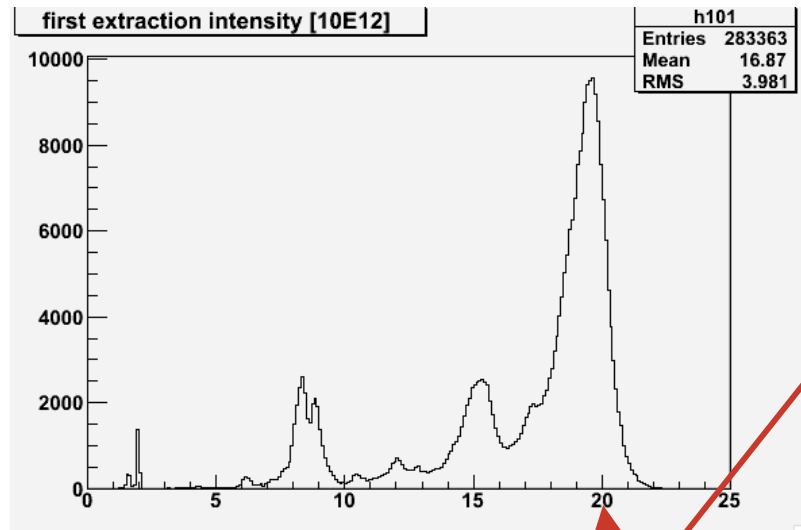
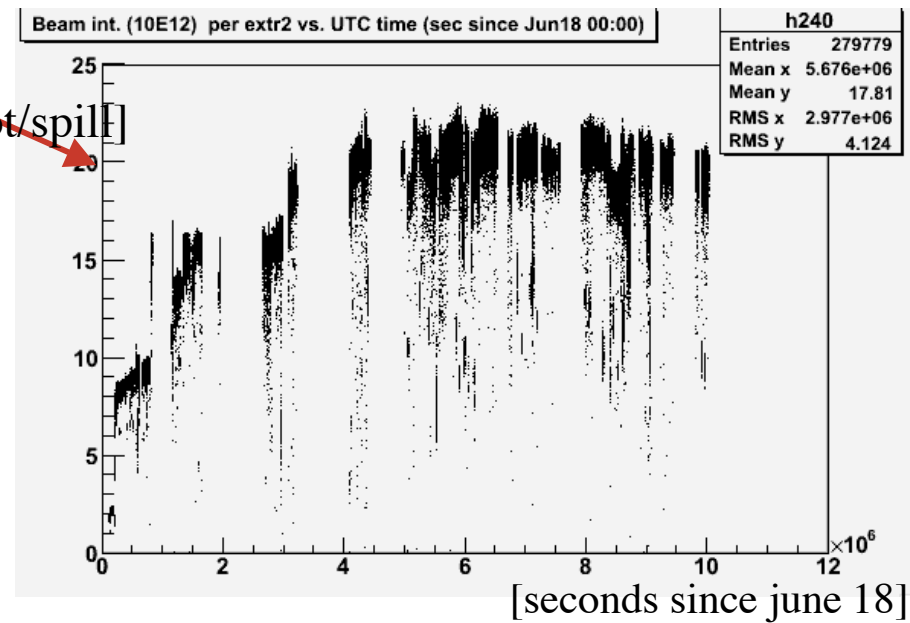
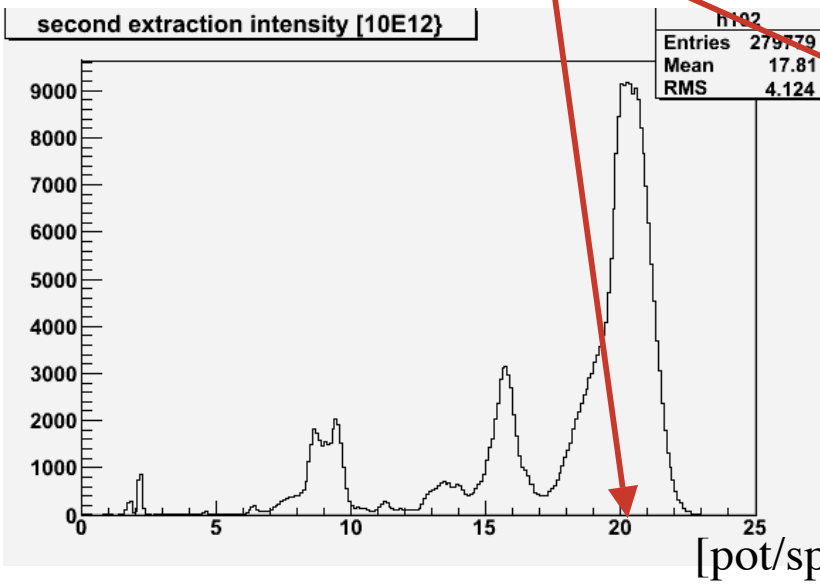


CNGS beam in summer 2008

Evgeny Litvinovich & Laura Perasso



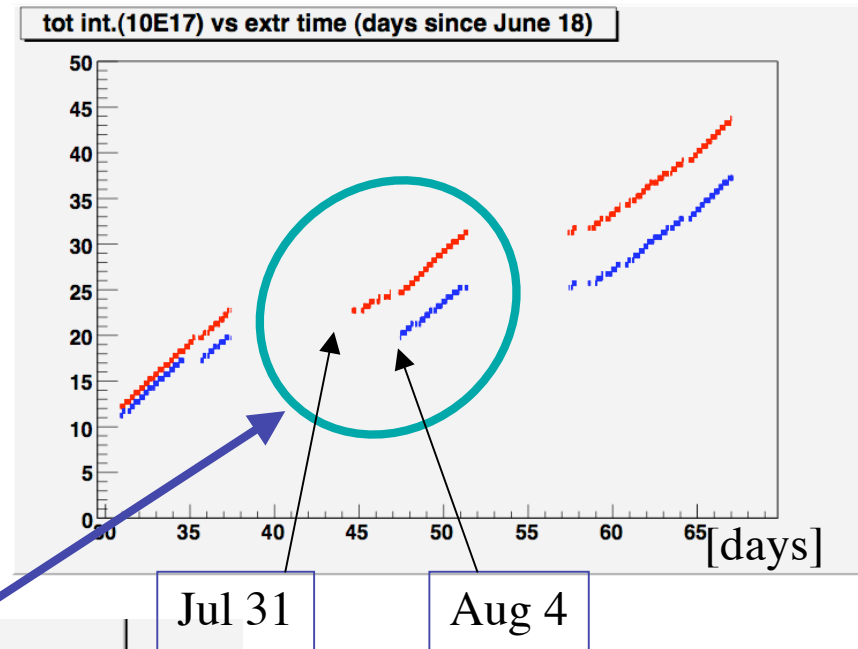
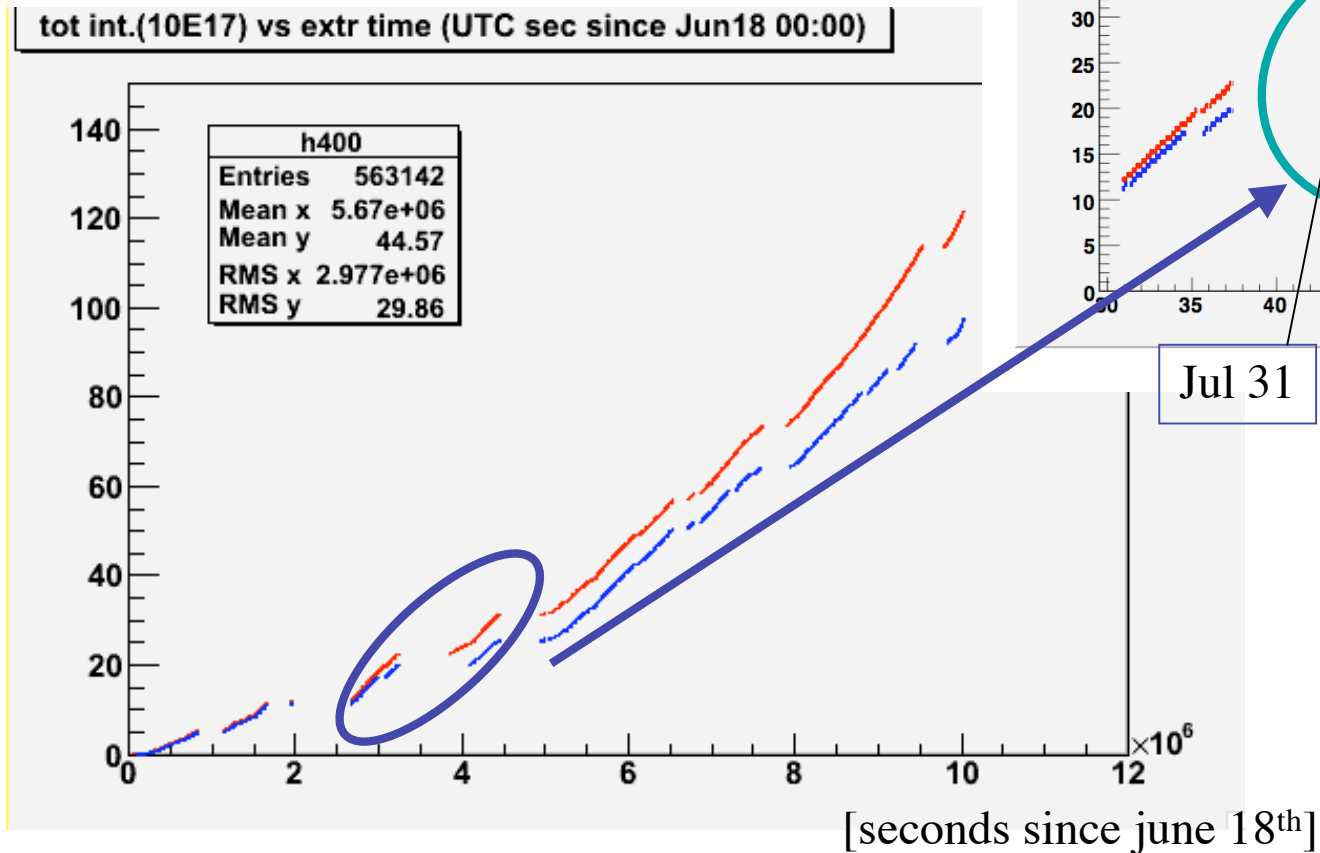
$2 \cdot 10^{13}$ pot/spill



In the period june 18th - october 11th 2008:

delivered $1.21552 \cdot 10^{19}$ pot;

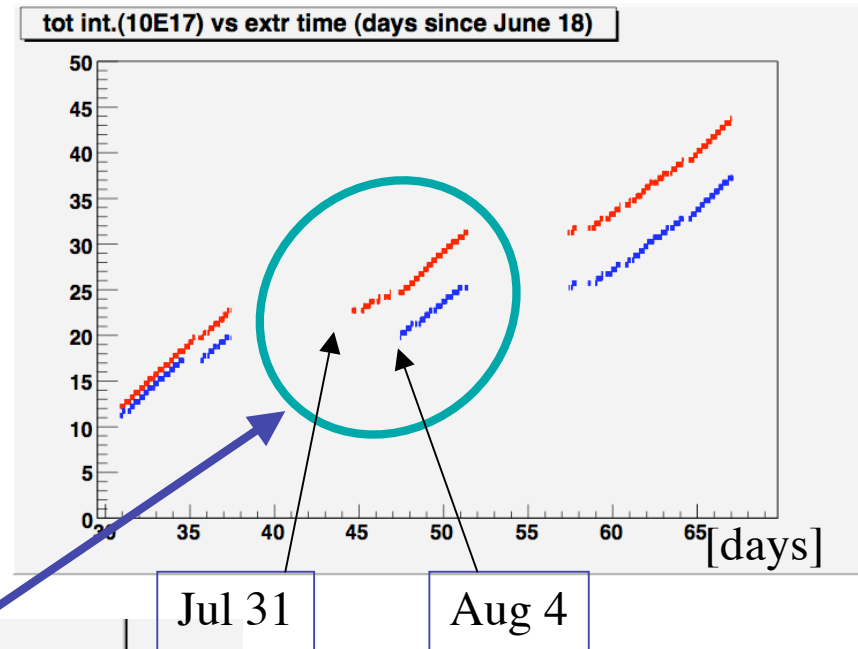
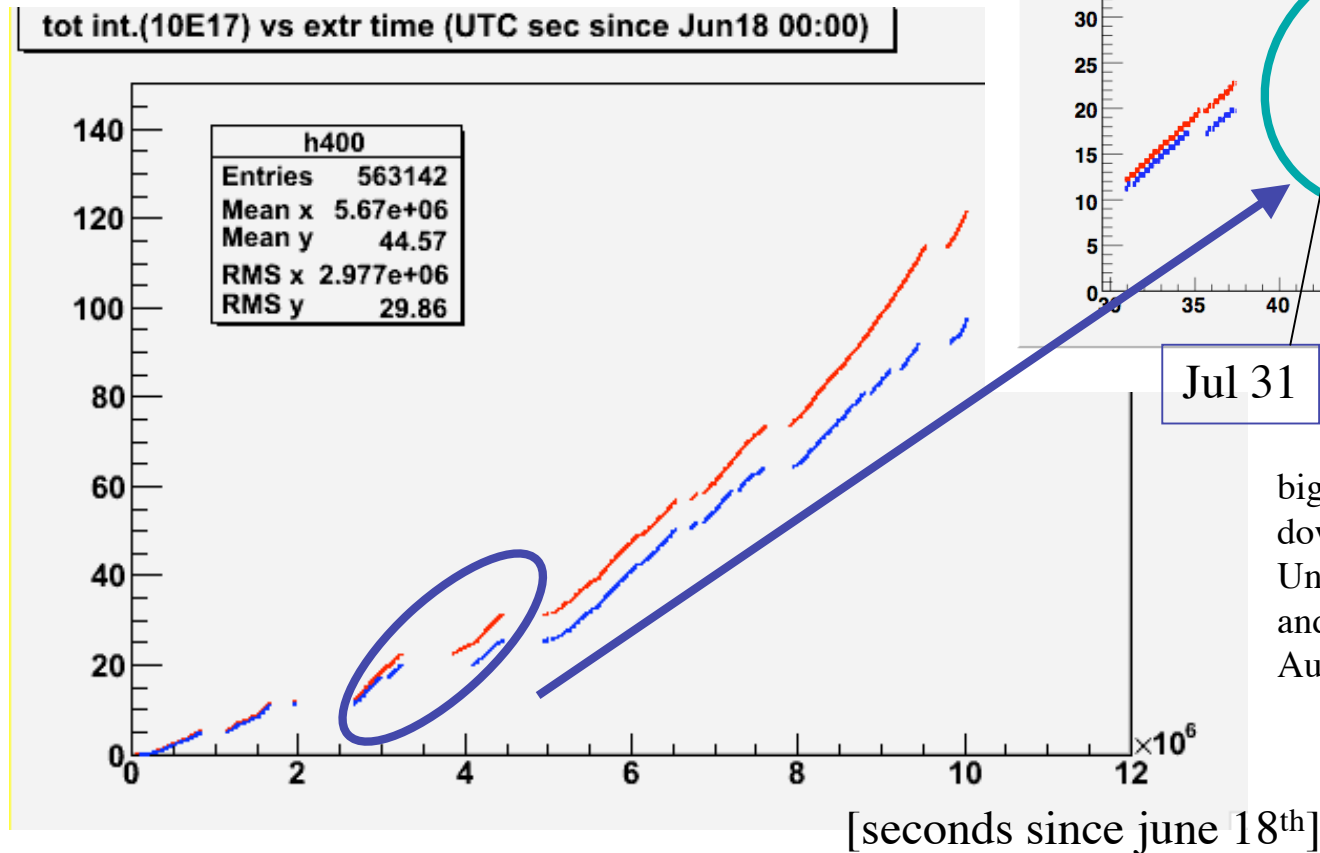
on tape $0.976464 \cdot 10^{19}$ pot (80.3 % BX eff)



In the period june 18th - october 11th 2008:

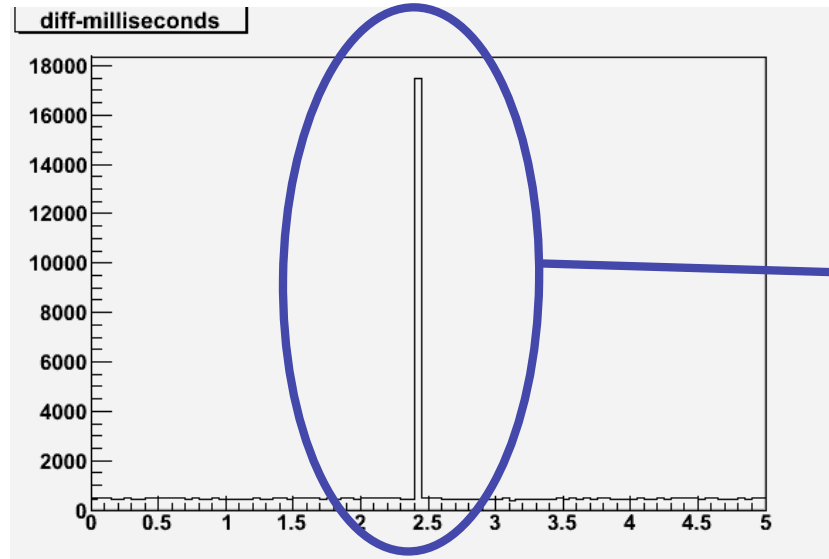
delivered $1.21552 \cdot 10^{19}$ pot;

on tape $0.976464 \cdot 10^{19}$ pot (80.3 % BX eff)

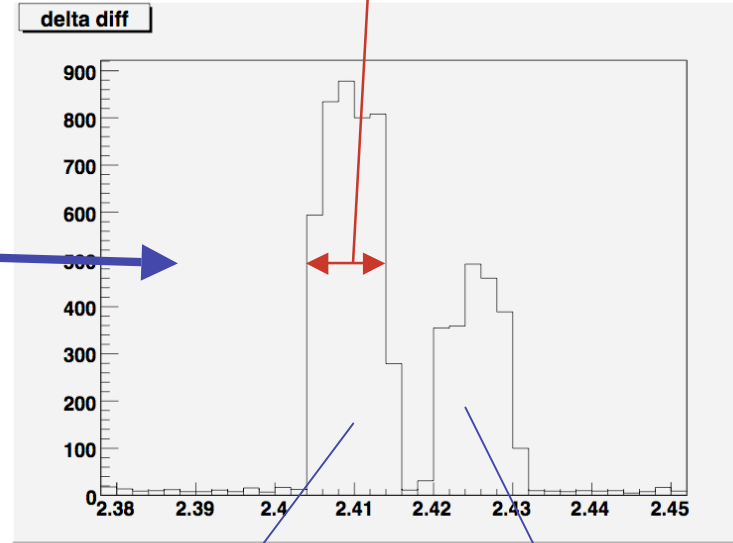


biggest loss due to general shut downs of AC power in the Underground Lab (Jul 31-Aug 1) and subsequent DAQ stops (till Aug 4)

Bx GPS time - spill extraction GPS time



beam spill width $\sim 10.5\mu\text{s}$



Preliminary !!!

[ms]

prompt events

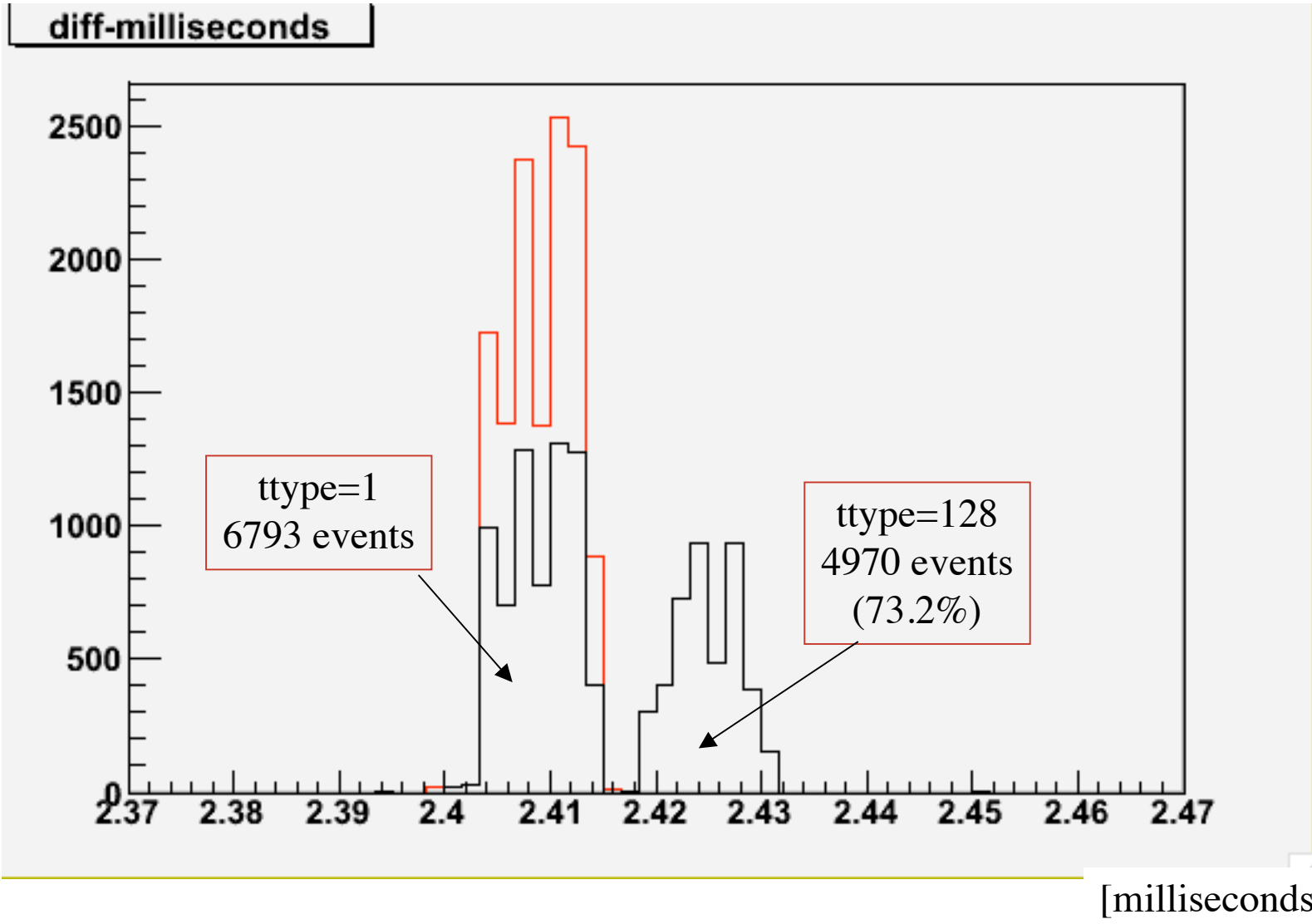
following "n trigger"

[ms]

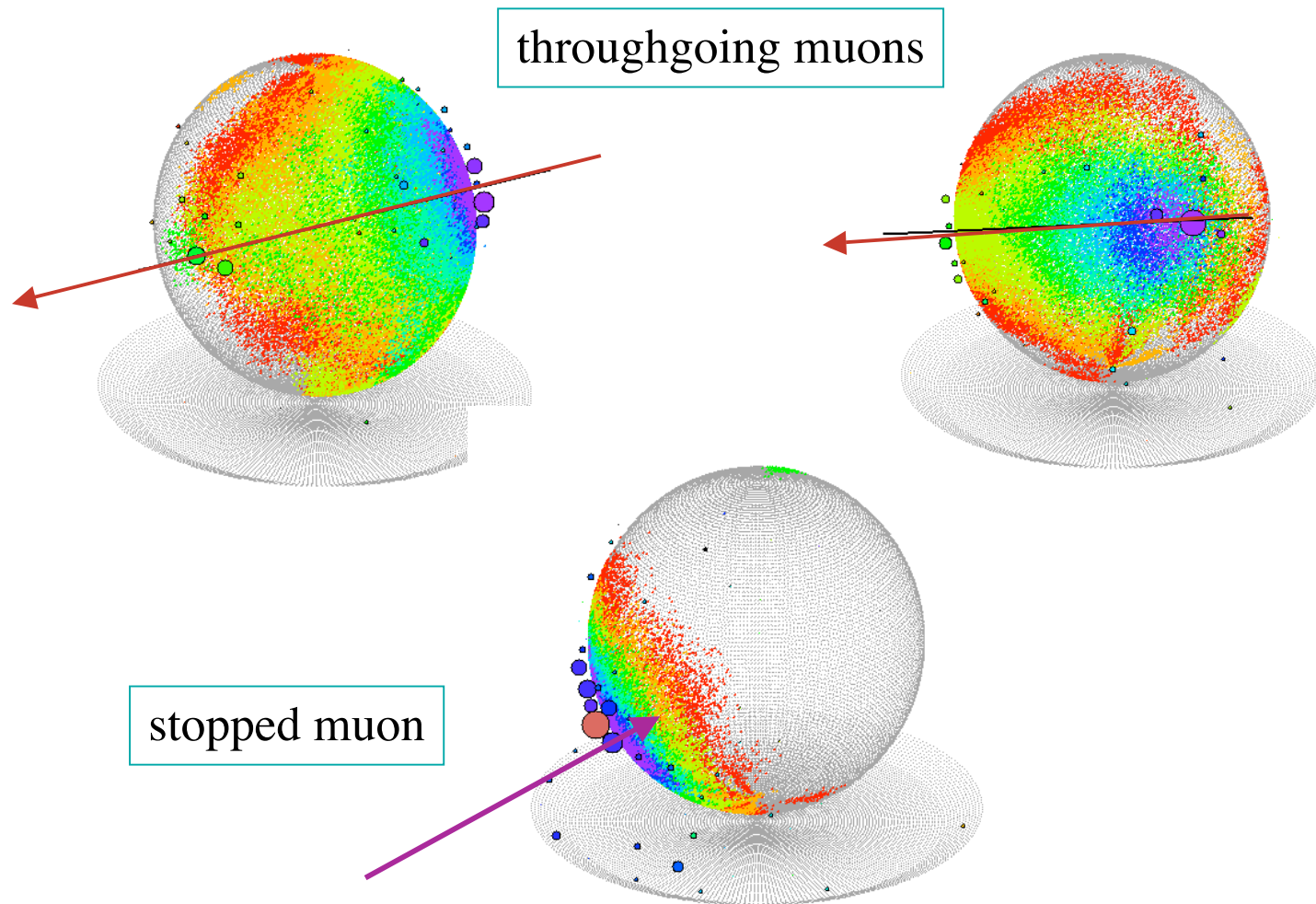
In the period june 18th - october 11th 200 [116 days of beam]:

BX collected **12797** "CNGS muon events (to be compared with the **17** in 2006 and **856** in 2007)

expected ~ 13500 ($\sim 5\%$ difference !!!!) MC study is in progress



Muons as seen from the BX- Outer & Inner Detectors in the first 40 ns



[display by Michi Wurm]

CNGS DSTS with the decoded and clustered hits info for laben and muon

with CNGSevents + events in the following 40nsec

The CNGS beam is expected to end on Monday november 3rd @ 8 a.m.

to come back next spring