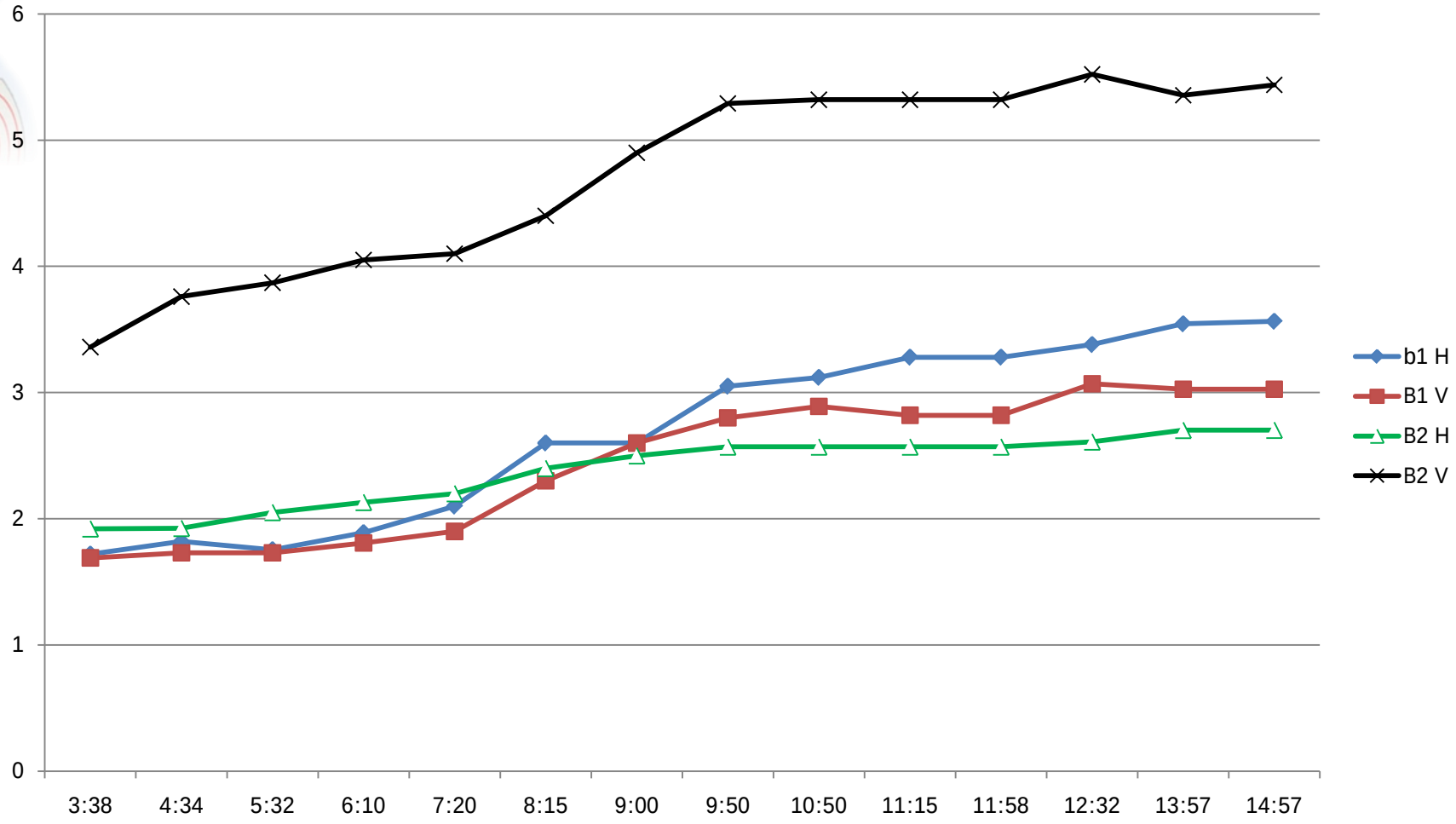
Saturday 24/04/2010

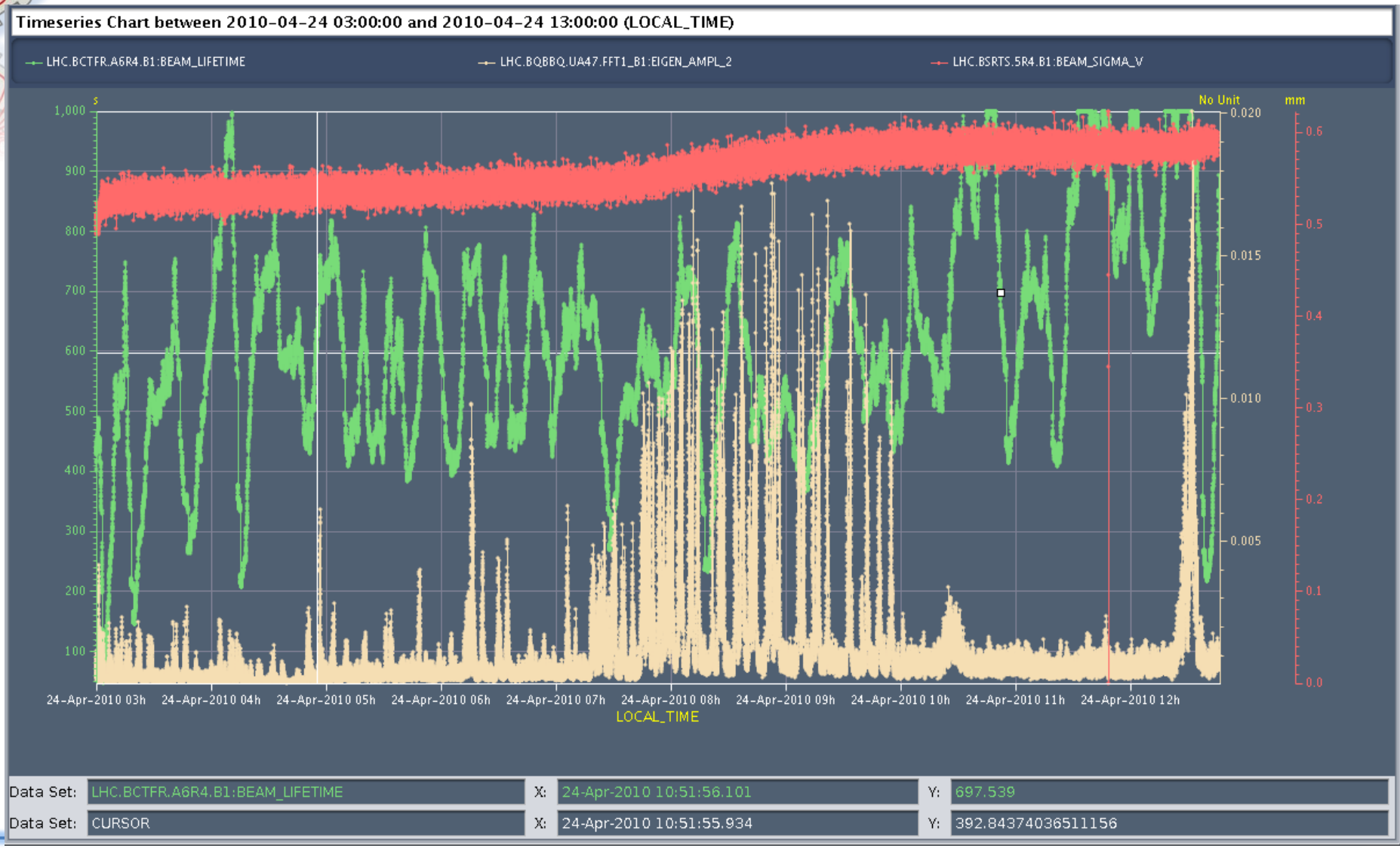
- Kept the beams which were put in stable beams Saturday 24 April at 03:13 – 30 hours of fill so far.
- Luminosity scans performed in all IPs
  luminosity scan knobs saved for the new reference orbit
- During the fill emittance was measured regularly with WS (BSRT continuously logged in)
- Information will be analysed together with tune peak amplitudes and beam lifetime– correlation with hump
- Lost communication with corrector RCBV25.R7B2 at 15:15. Clear impact on vertical orbit for B2 – Correction done with one corrector to compensate the lost corrector (-0.87urad on MCBV.29R7.B2)

Emittance evolution during the first ~12 hrs

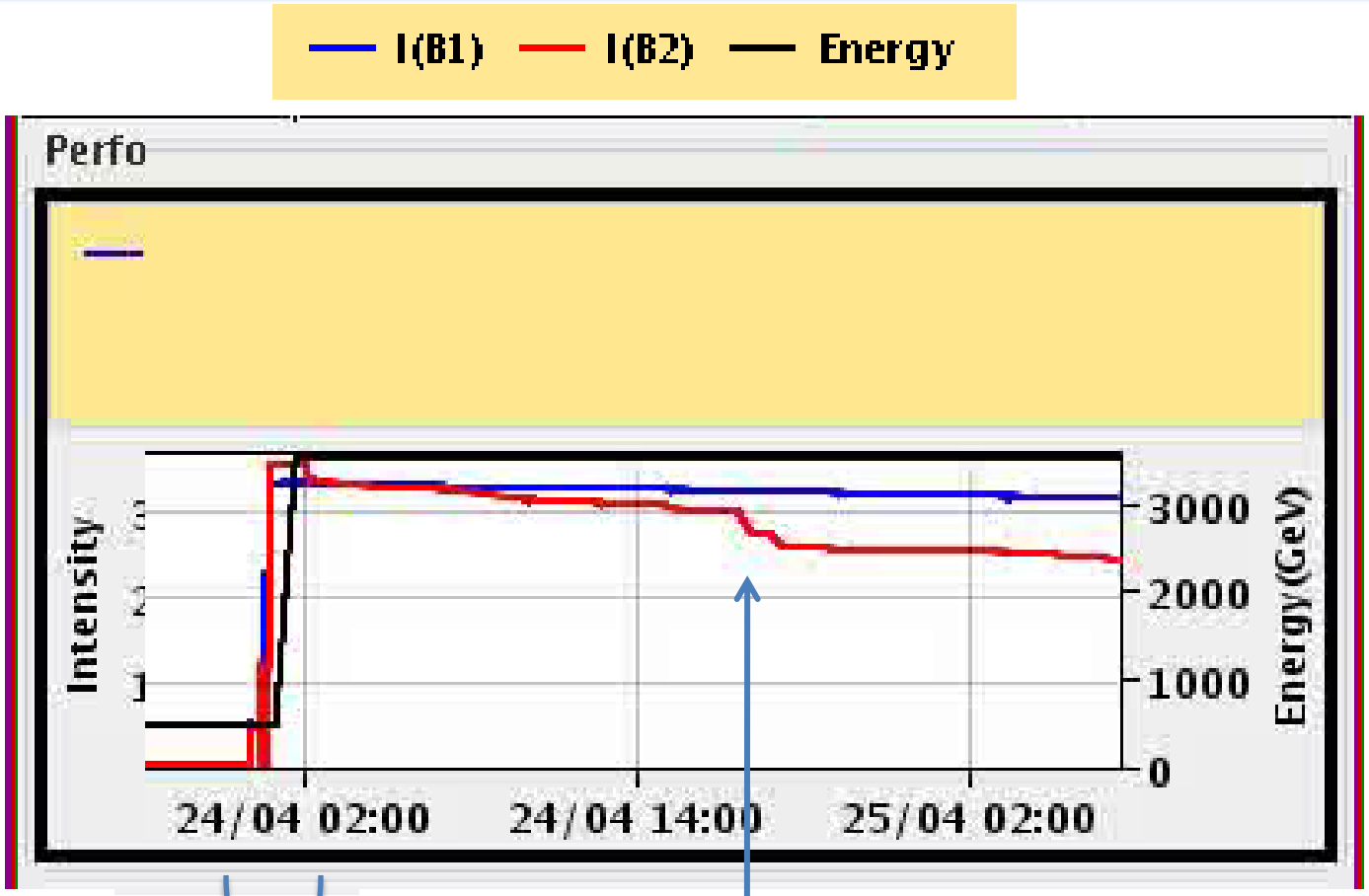


Rossano Giachino

Evolution of B1 emittance in hump presence



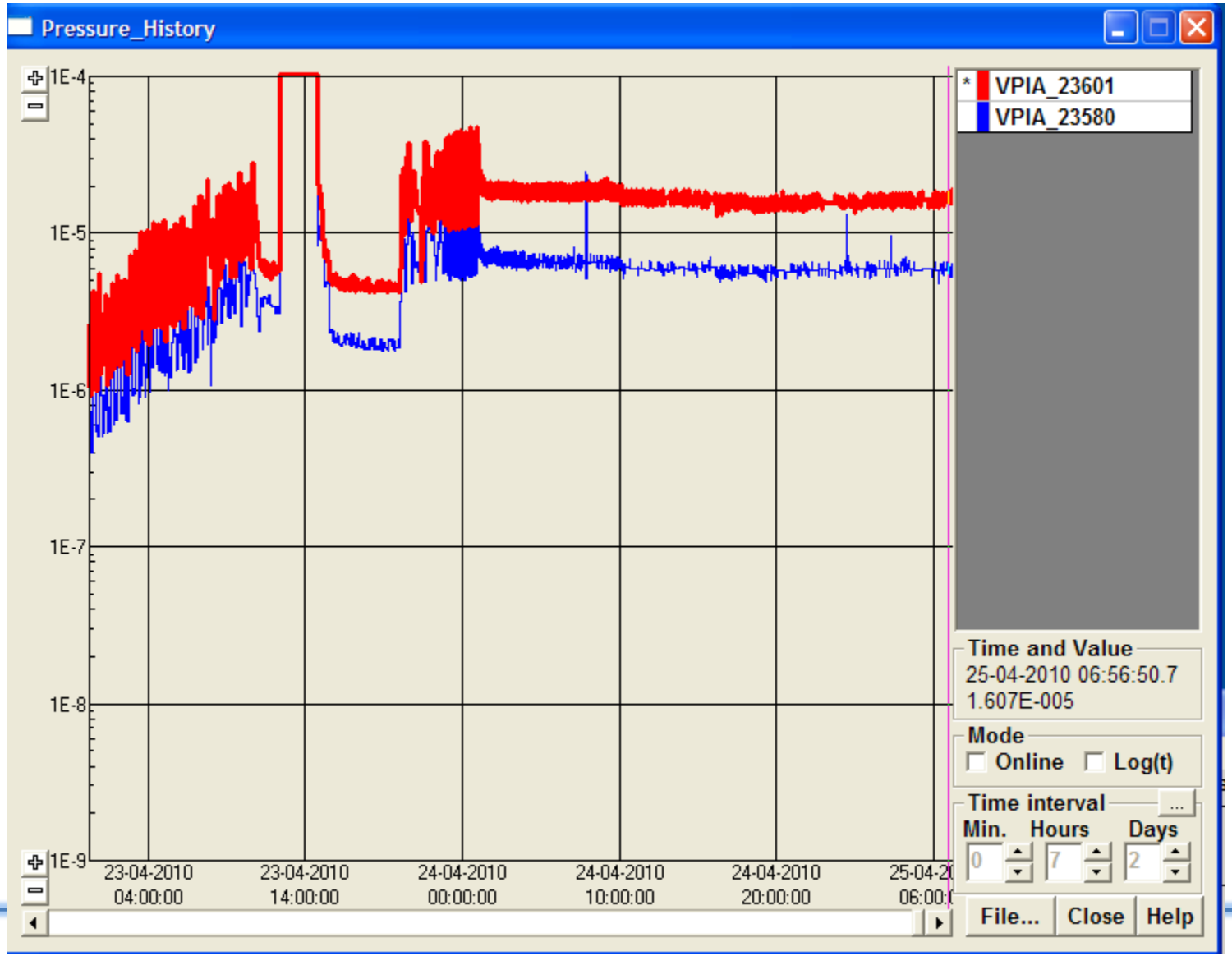
Intensity evolution during the fill



Ramp & squeeze for physics @ 3.5 TeV with higher intensity

Hump on the vertical tune beam 2

SPS Vacuum situation



Proposed plan for today

1) 9:00 – 10:00 : EOF : beta beat measurements – Rogelio Tomas and Team
2) 10:00 – 12:00 : Ramp down and Refill
3) 12:00 – 18:00 : Ramp- squeeze – 3.5 TeV squeezed stable beams for Van der Meer scans : 2x2 bunches, 2e10/beams
4) 18:00 – 20:00 : Dump beams – ramp down and refill
5) 20:00 – 06:00 : Ramp – squeeze – 3x3 bunches, 3.5 TeV squeezed stable bueams to repeat present fill.
6) Dump beams at 06:00 Monday morning