

Work plan for the beam-beam simulation

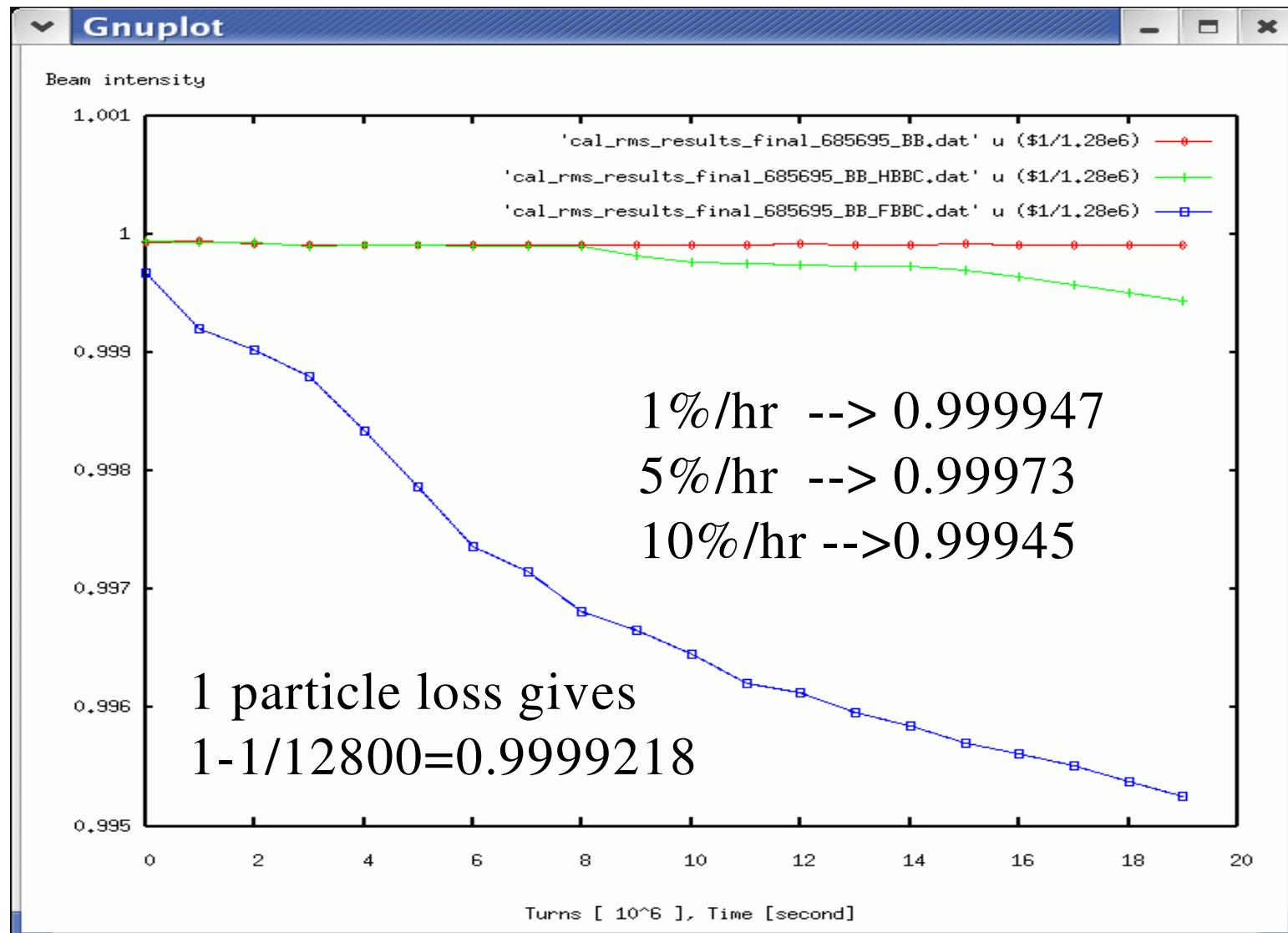
1. Complete single particle stability study, write up the note
yun, Natalia: two notes
2. emittance/beam-decay calculations from multi-particle sims
yun (60%): tracking, data analysis, write-up
3. effects of errors, fluctuations
Natalia (40%?) , Gaullume(5%?): code check, parameter scan
4. LifeTrac: Joanne
5. CERN computation facility: Guillaume(5%?)

All should be finished in 2 months.

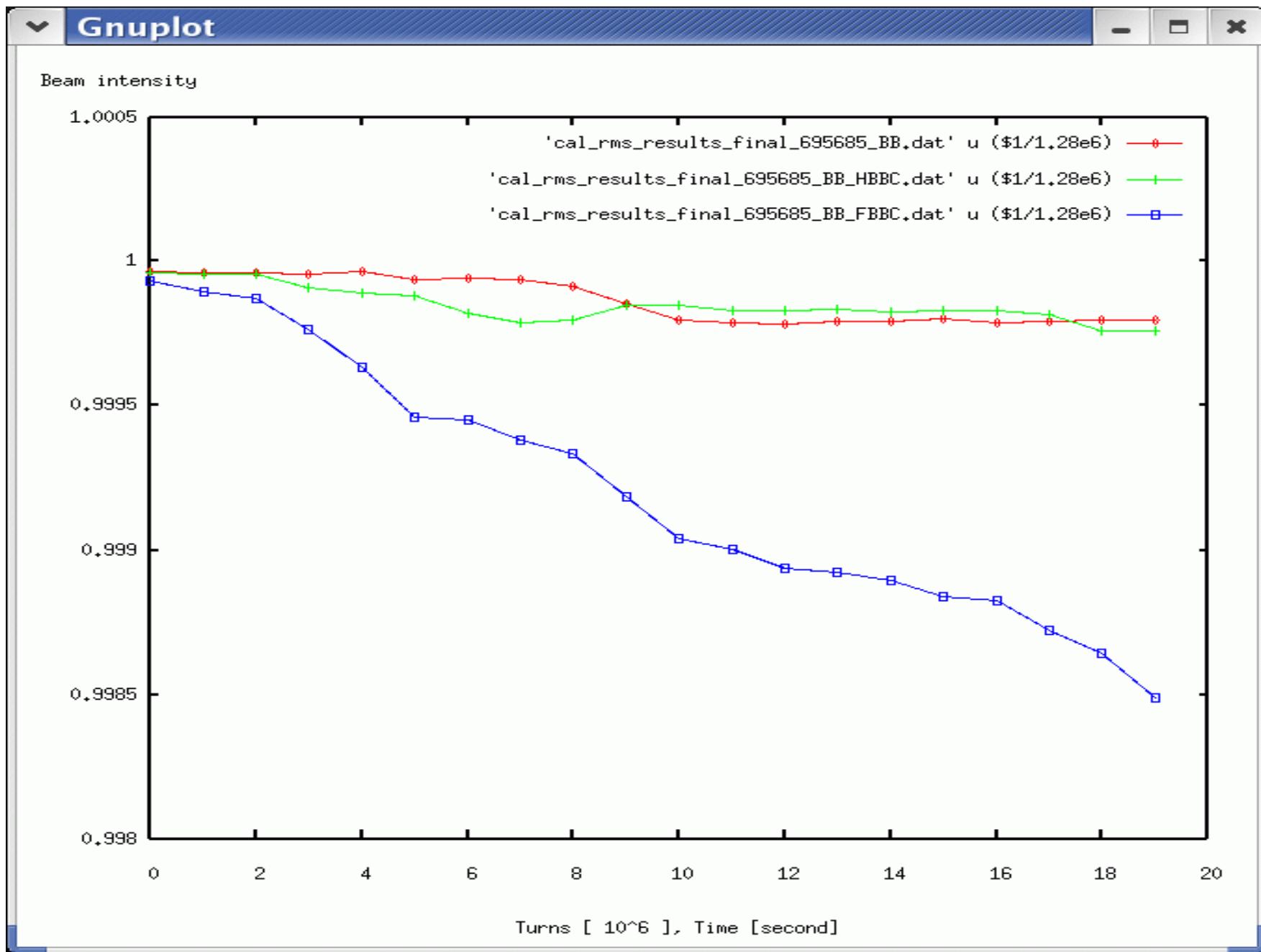
6. work after May: phase advances, further simulation needed,...

Some results from multi-particle tarckings

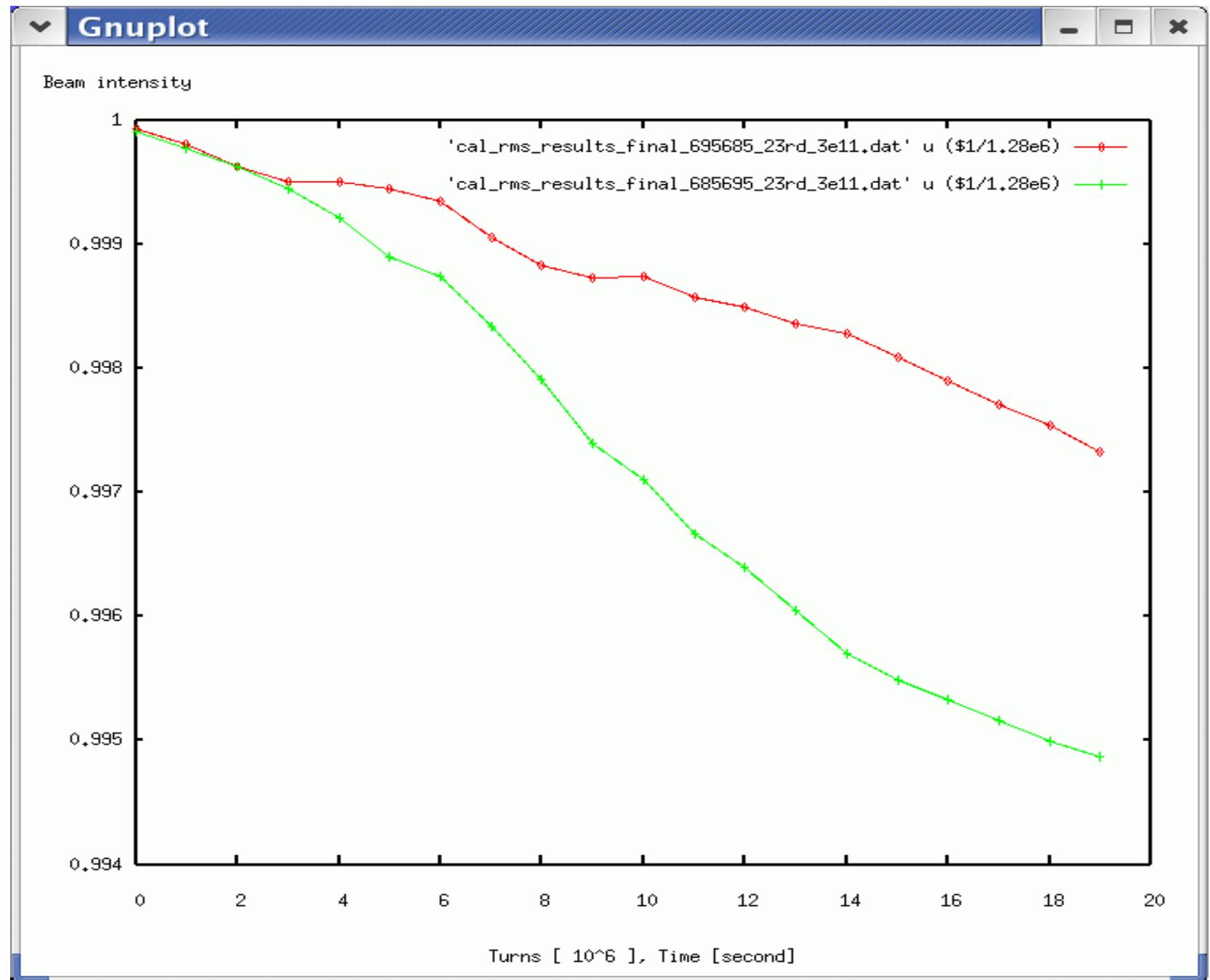
1. workpoint (0.685,0.695)



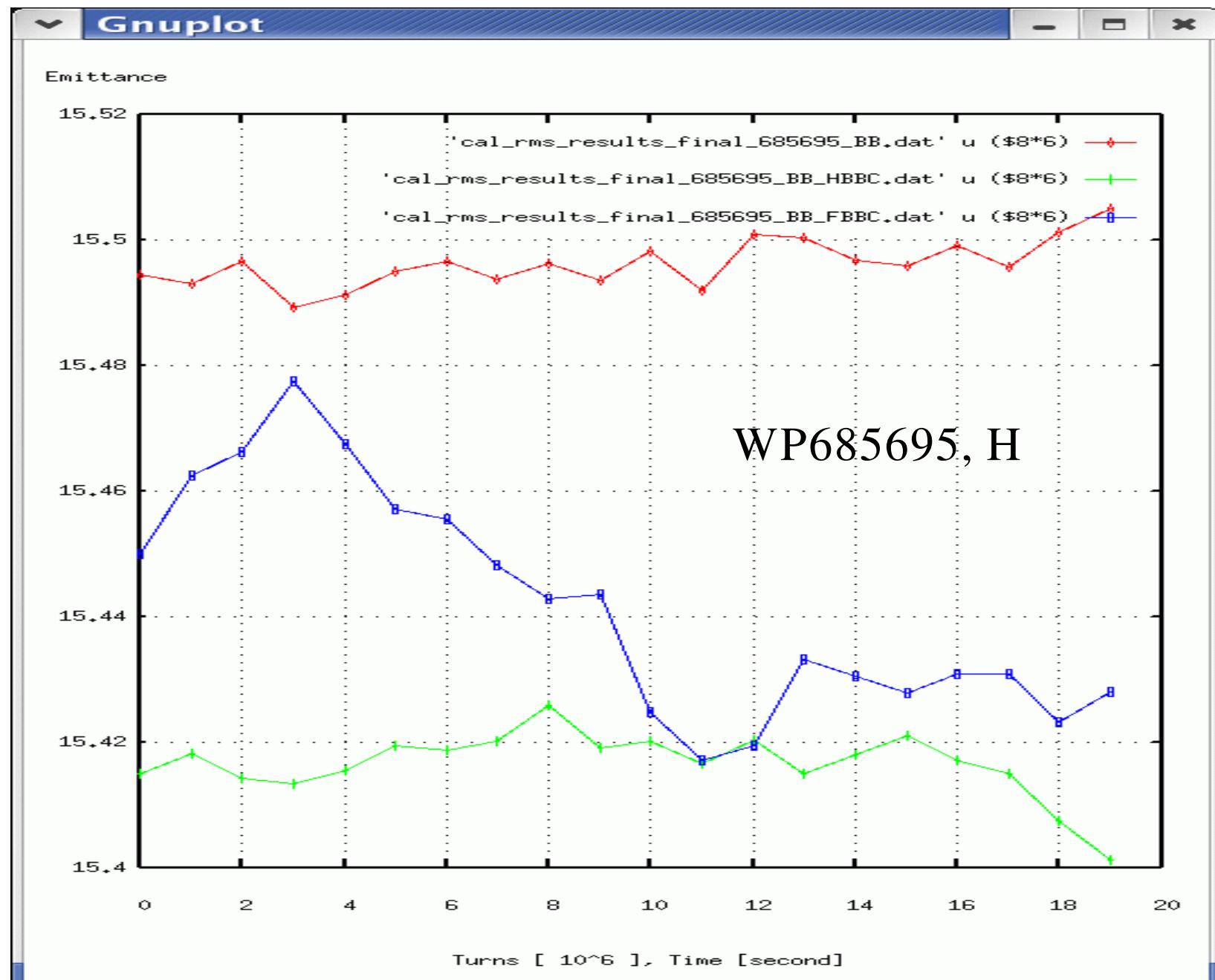
2. working point (.695,0.685)

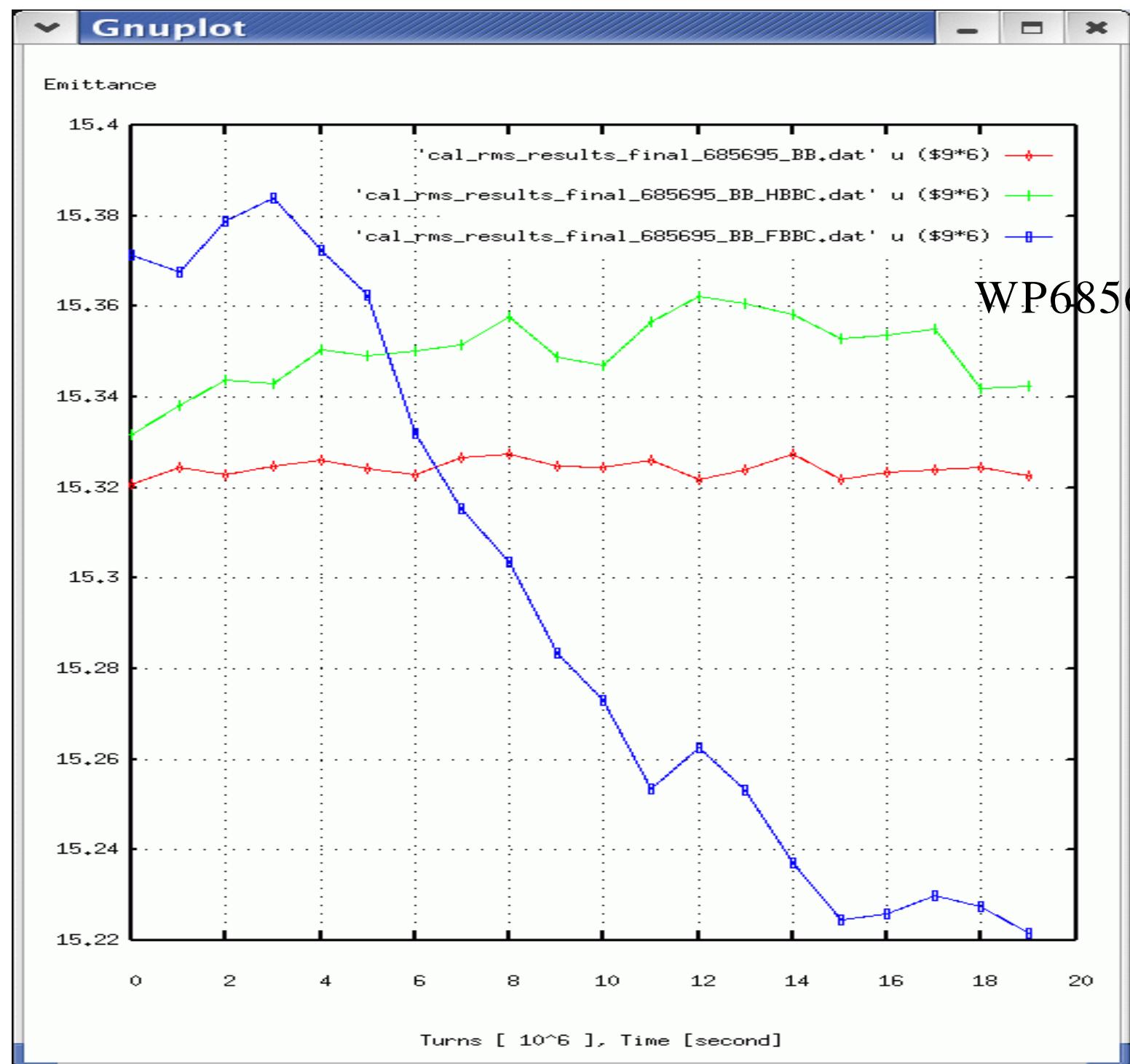


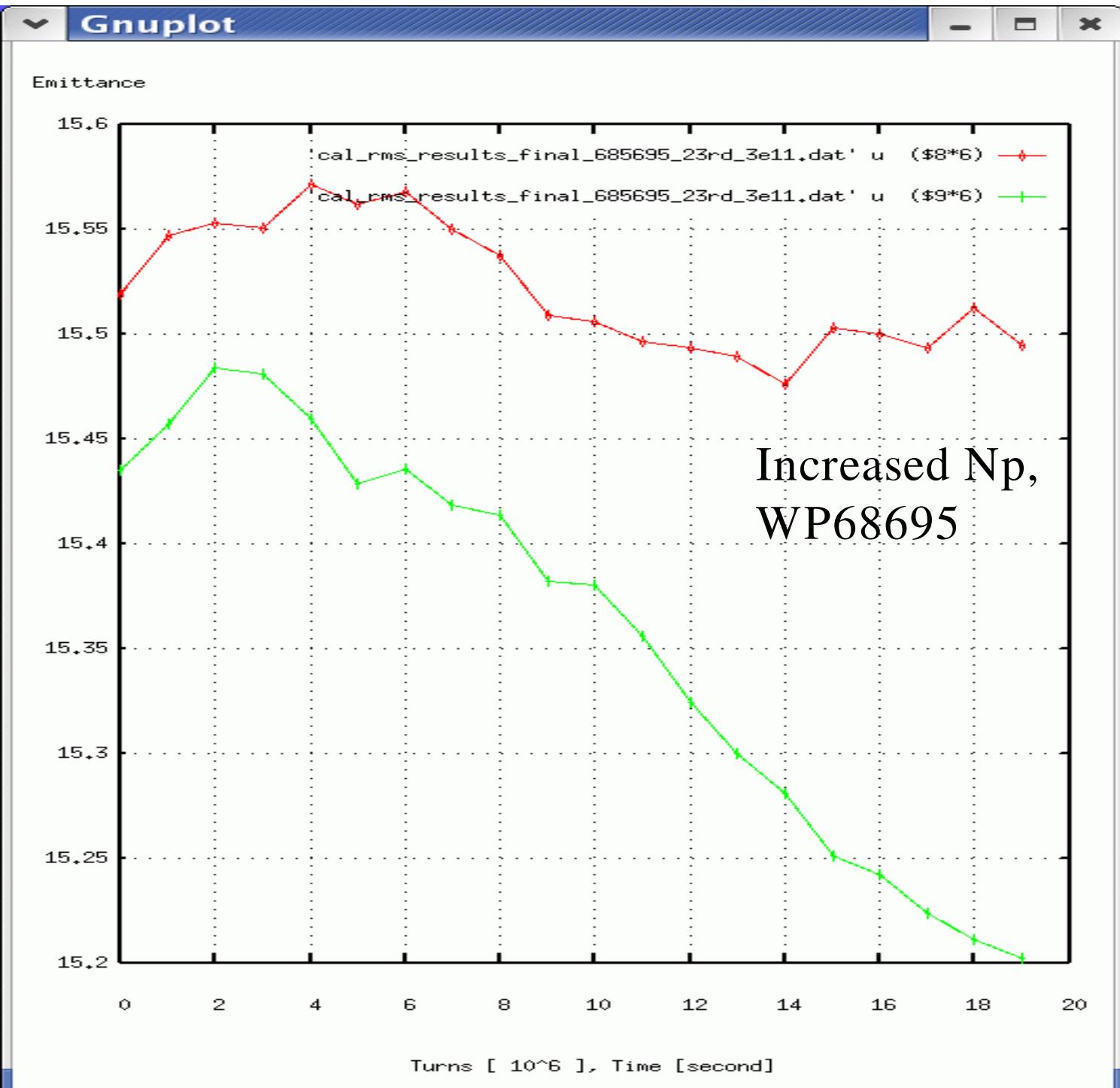
3. Increased bunch intensity

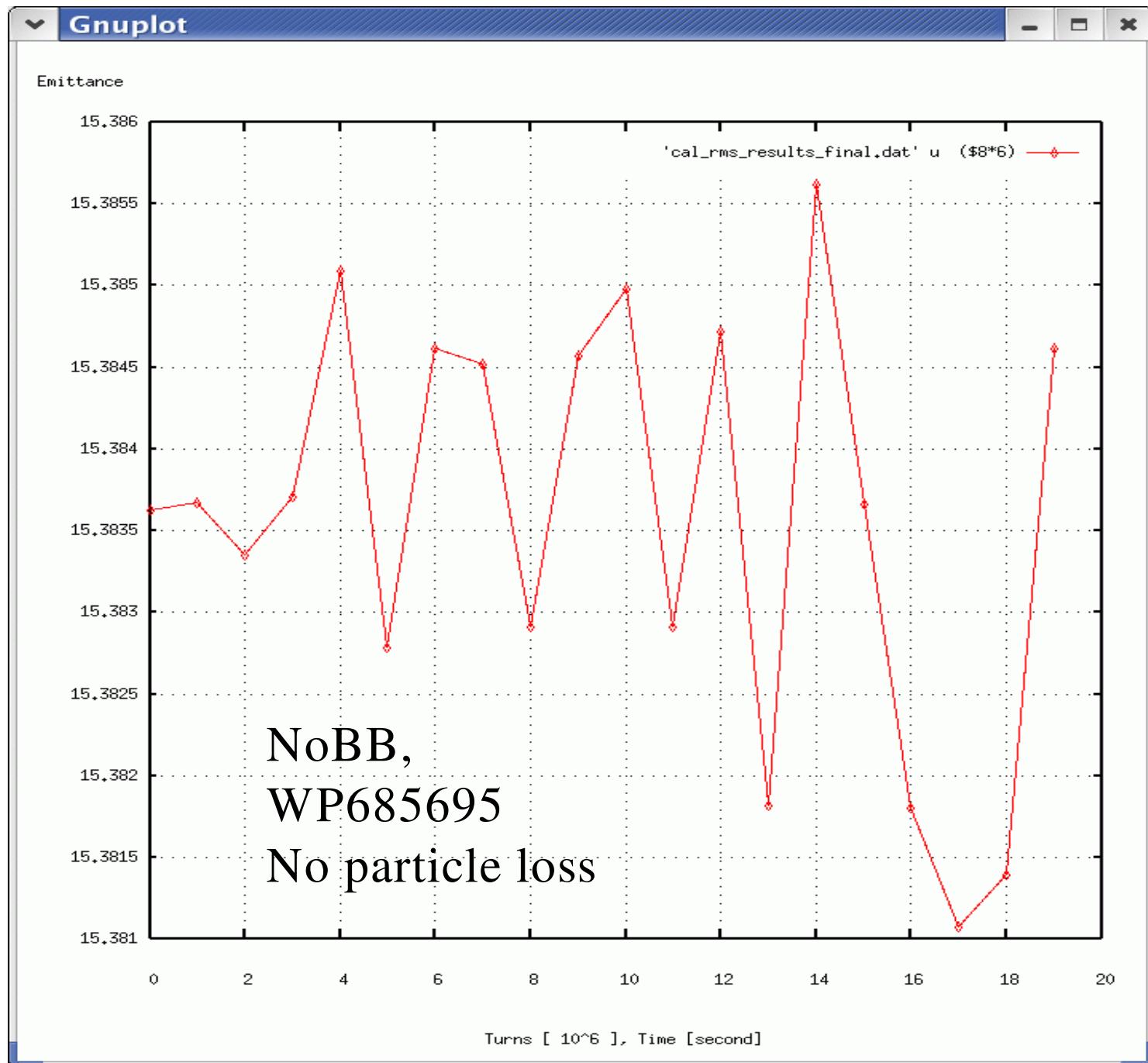


4. Emittances









5. Tracking jobs

.....

Job1401-1600: WP695685, BB

Job1601-1800: WP695685, BB+HBBC

Job1801-2000: WP695685, BB+FBBC

Job2001-2200: WP685695, BB

Job2201-1400: WP685695, BB+HBBC

Job2401-2600: WP685695, BB+FBBC

Job2601-2800: WP685695, BB+0.66BBC, Np=3.0e11

Job2801-3000: WP695685, BB+0.66BBC, Np=3.0e11

Job3001-3200: WP685695, noBB

Job3201-3400: WP685695, BB, matched initial distribution

Job3401-3600: WP685695, BB+HBBC, matched initial distribution

.....

Hard to conclude emittance evolution in 2e6 turn tracking. Tracking normal is performed up to 1e7 turn. Angery at truncated output.