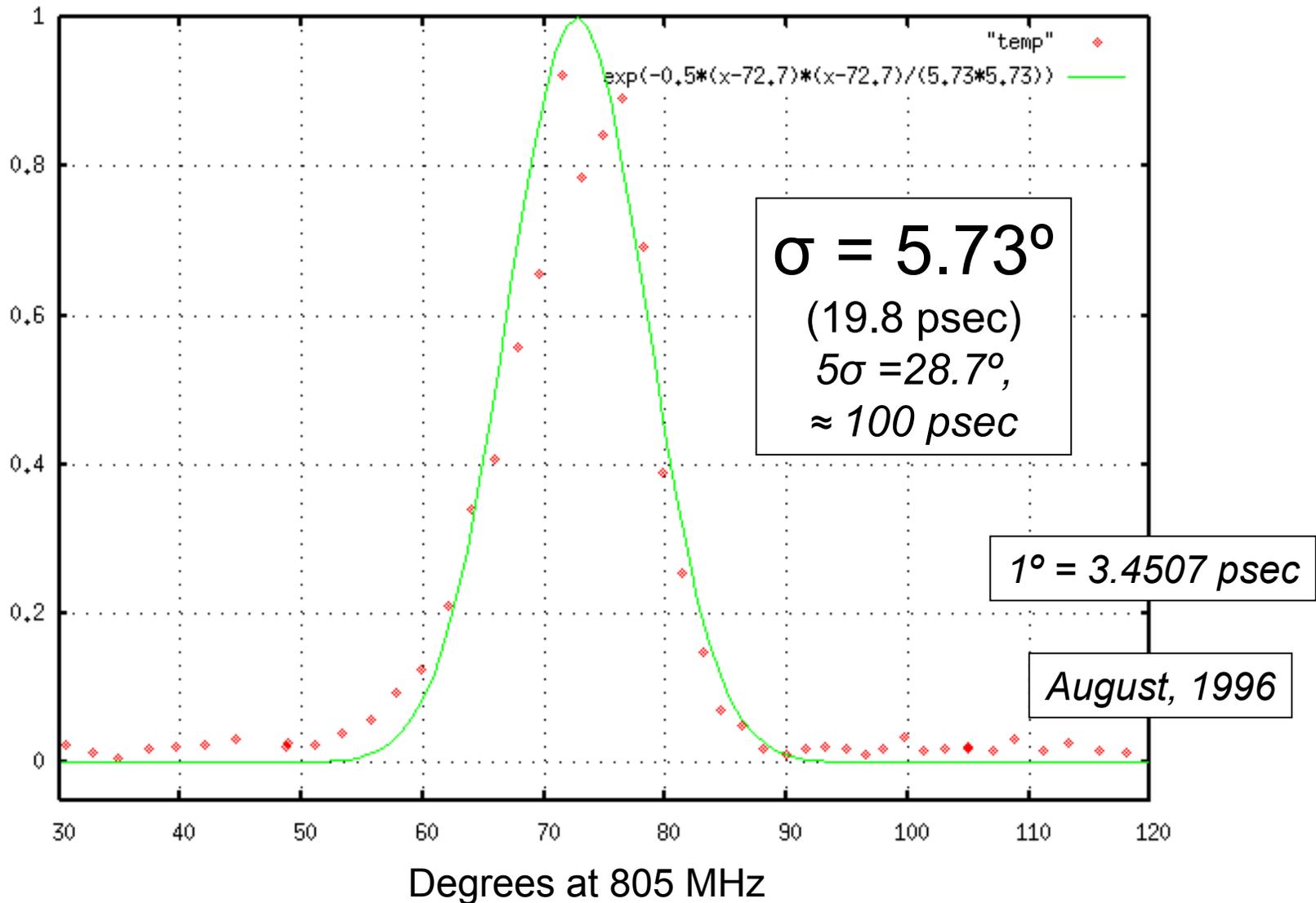
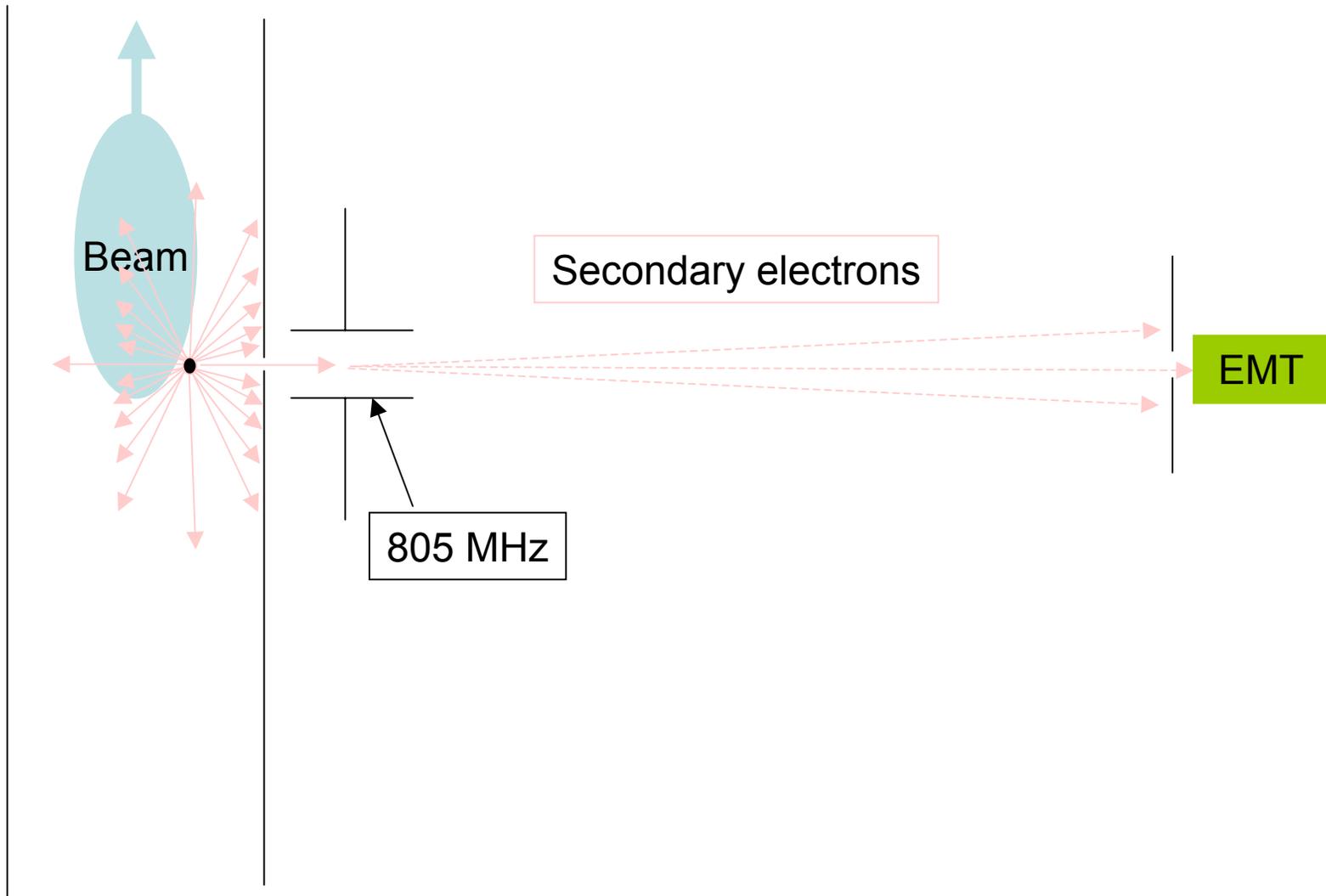


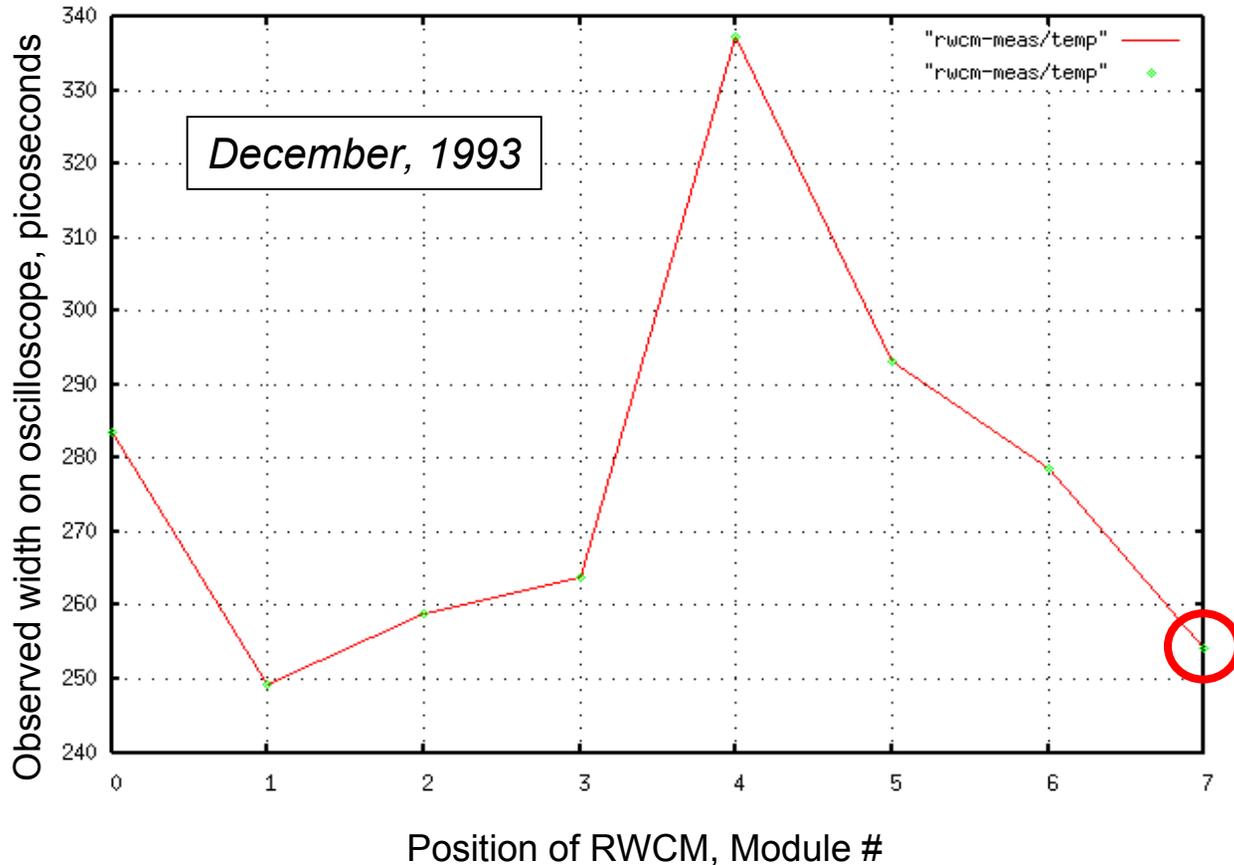
“Best” BLD Measurement @ 401 MeV



Bunch Length Detector



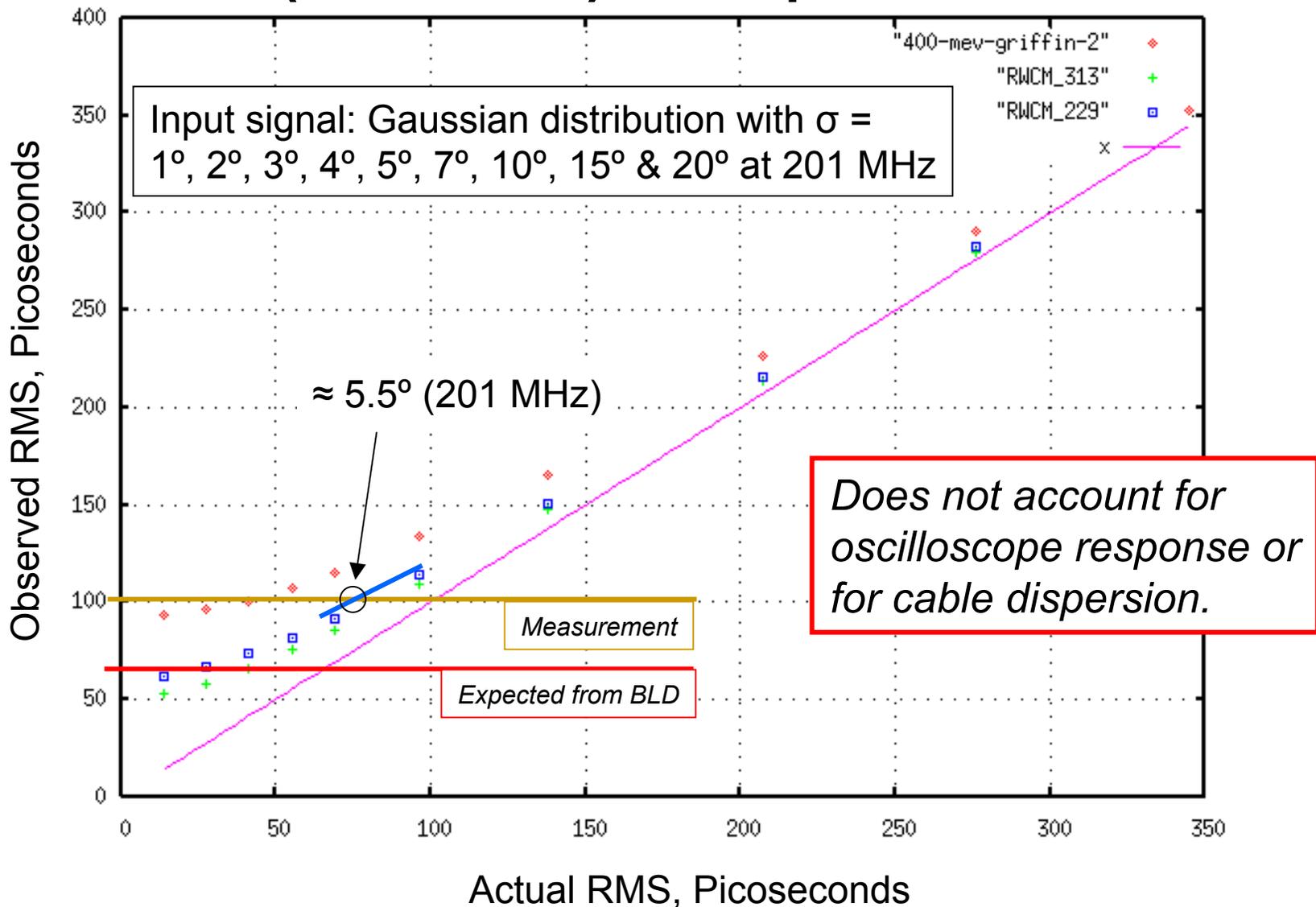
RWCM Measurements, Half width ($\sim 2.5\sigma$)



254.2 psec,
 $\sigma \approx 101$ psec
 $5\sigma \approx 411$ psec

Scope: 4 GHz (250 psec) sampling scope (??);
Cables: 7/8" heliax of ~50 feet (??)

Resistive Wall-Current Monitor (RWCM) Response



Unresolved Questions

- What is the resolution of the bunch length detector?
 - *Last measurement: $\sim 5^\circ$ (!?)*
 - *Can I re-measure? Not until LLRF is fixed.*
- Why don't the RWCM measurements and the BLD measurements agree?
 - *Need to incorporate the effects of the scope response and cable dispersion.*
 - *Wouldn't be a bad idea to do these measurements again with a new scope!*
 - *RWCM at 401 MeV is gone; would have to use Griffin detector.*