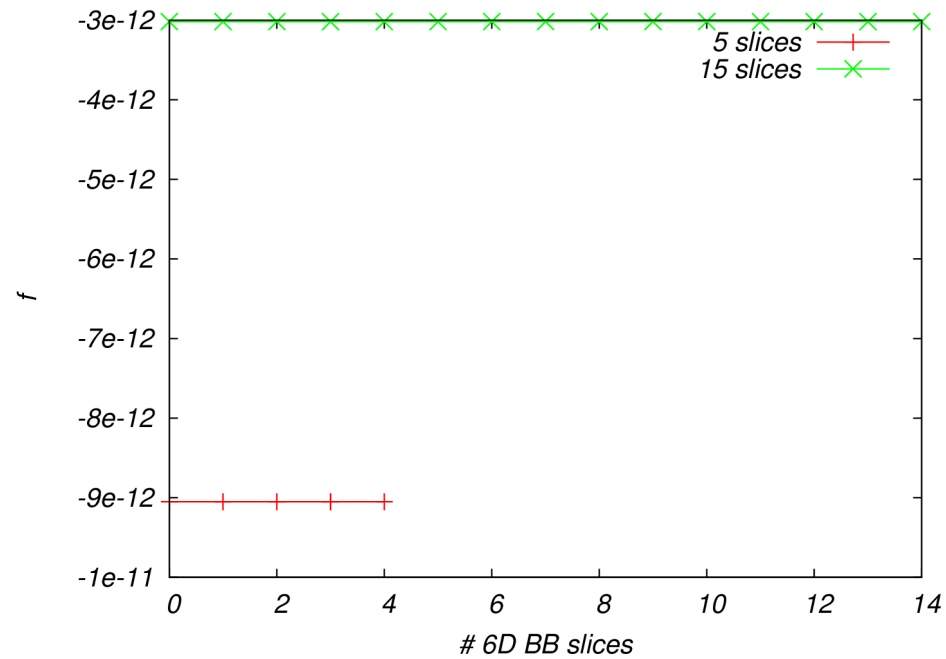
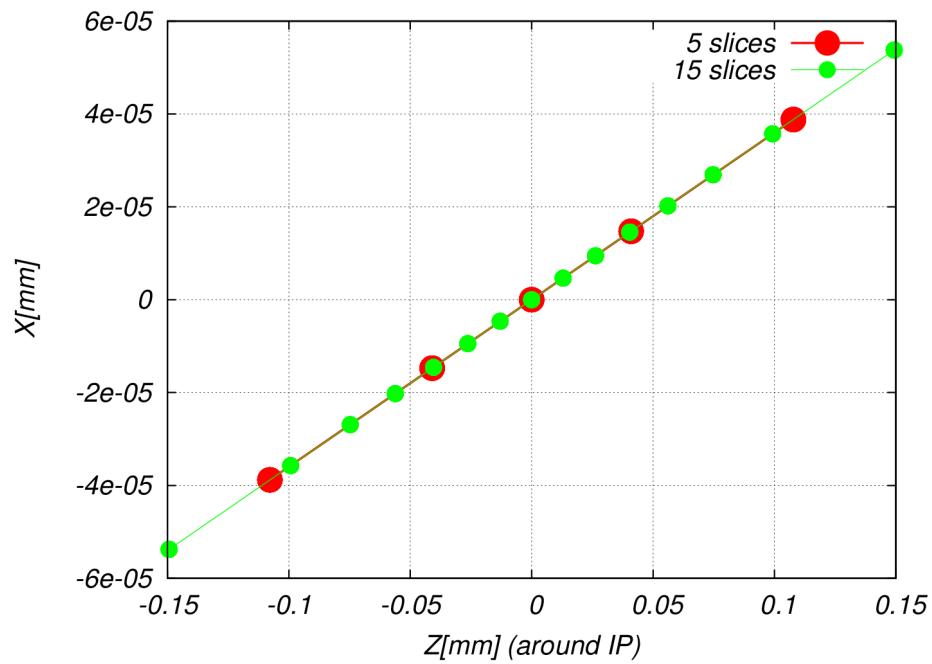


Update 6D BB lens in SixTrack

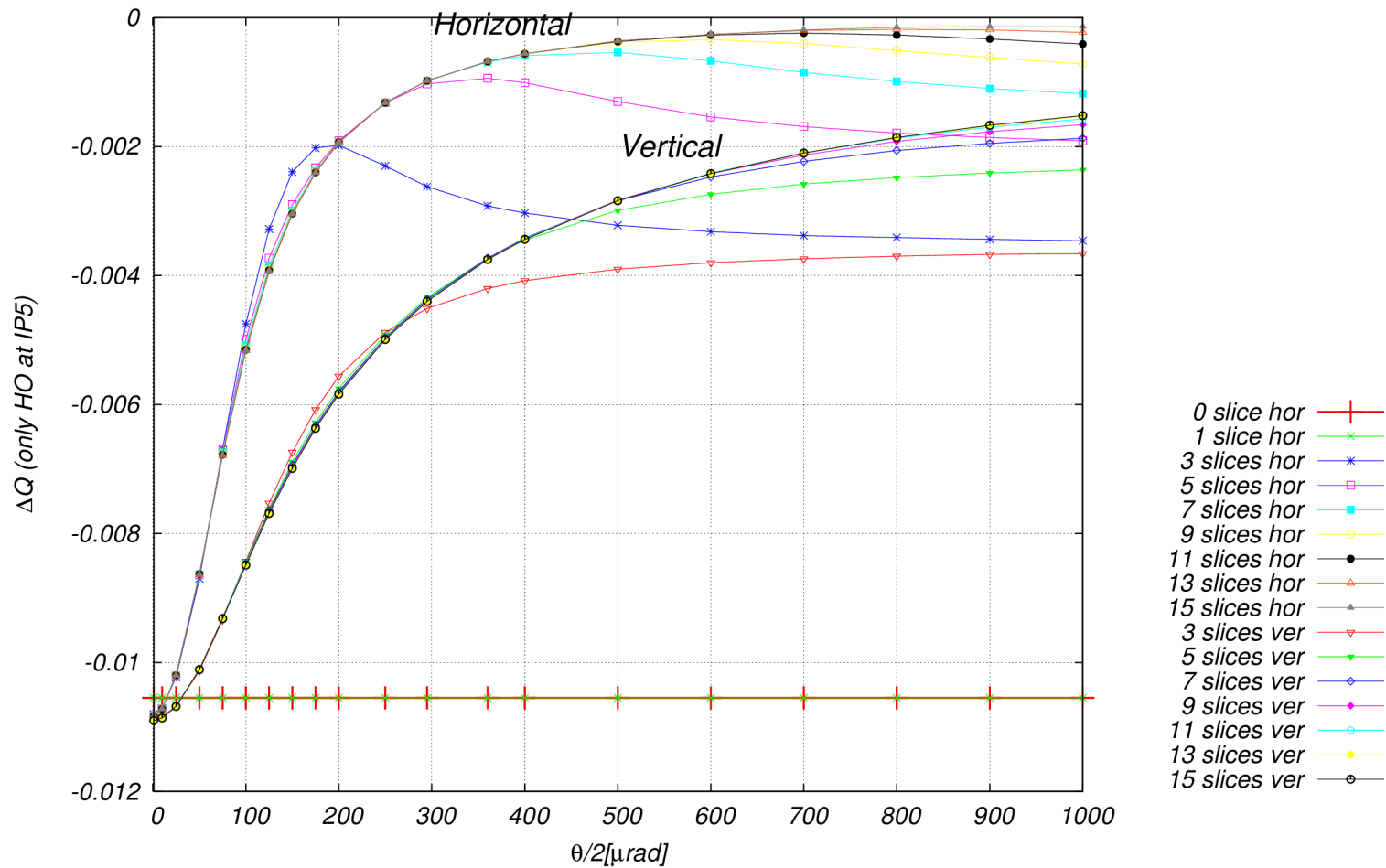
Javier Barranco, Tatiana Pieloni

Check slicing



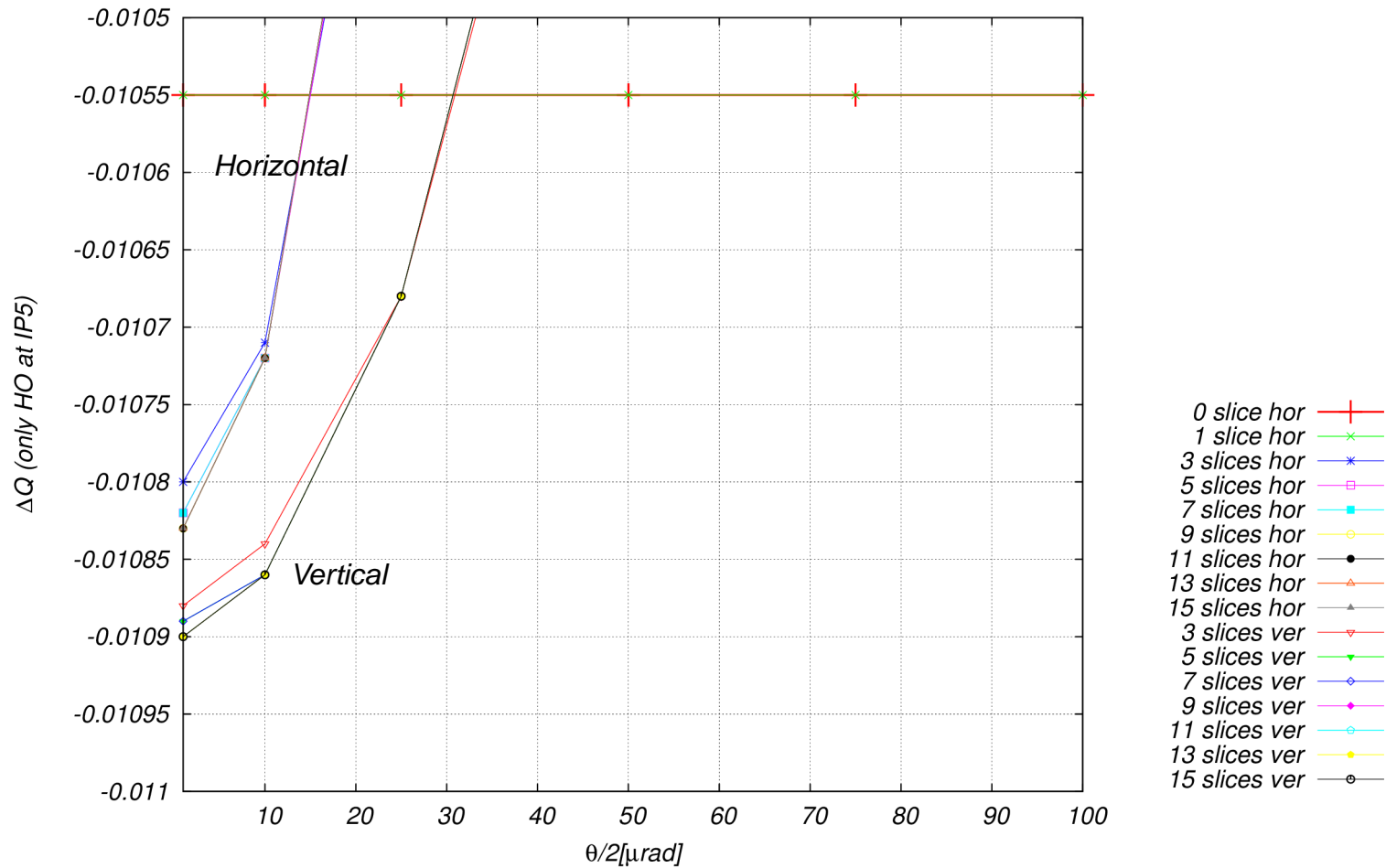
Check ΔQ vs #slices & $\theta/2$

Positive $\theta/2$. Convergence of the number of slices depends on the optics. Advisable to use minimum 11 slices.



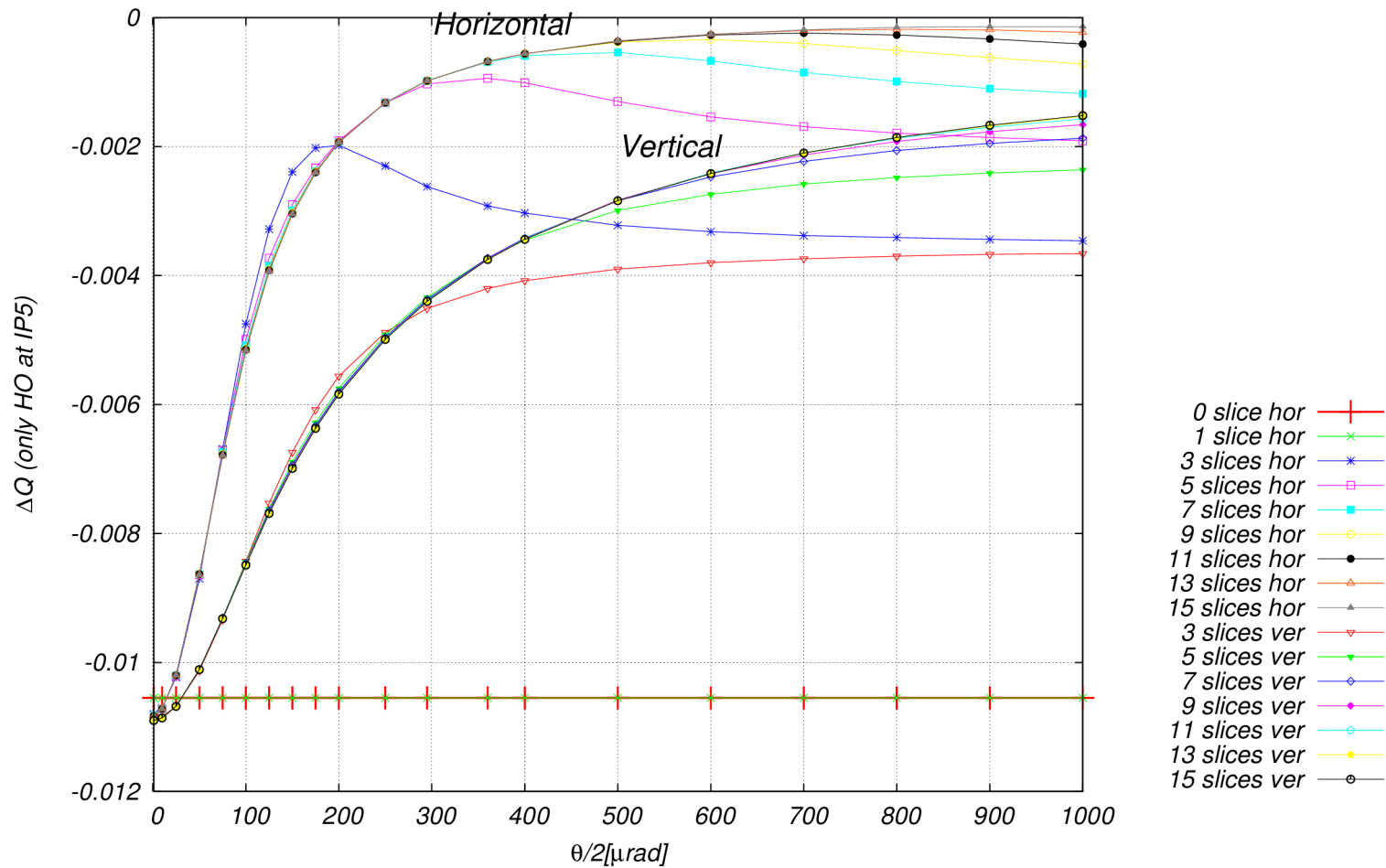
Check ΔQ vs #slices & $\theta/2$

Positive $\theta/2$. Zoom at small crossing angles.



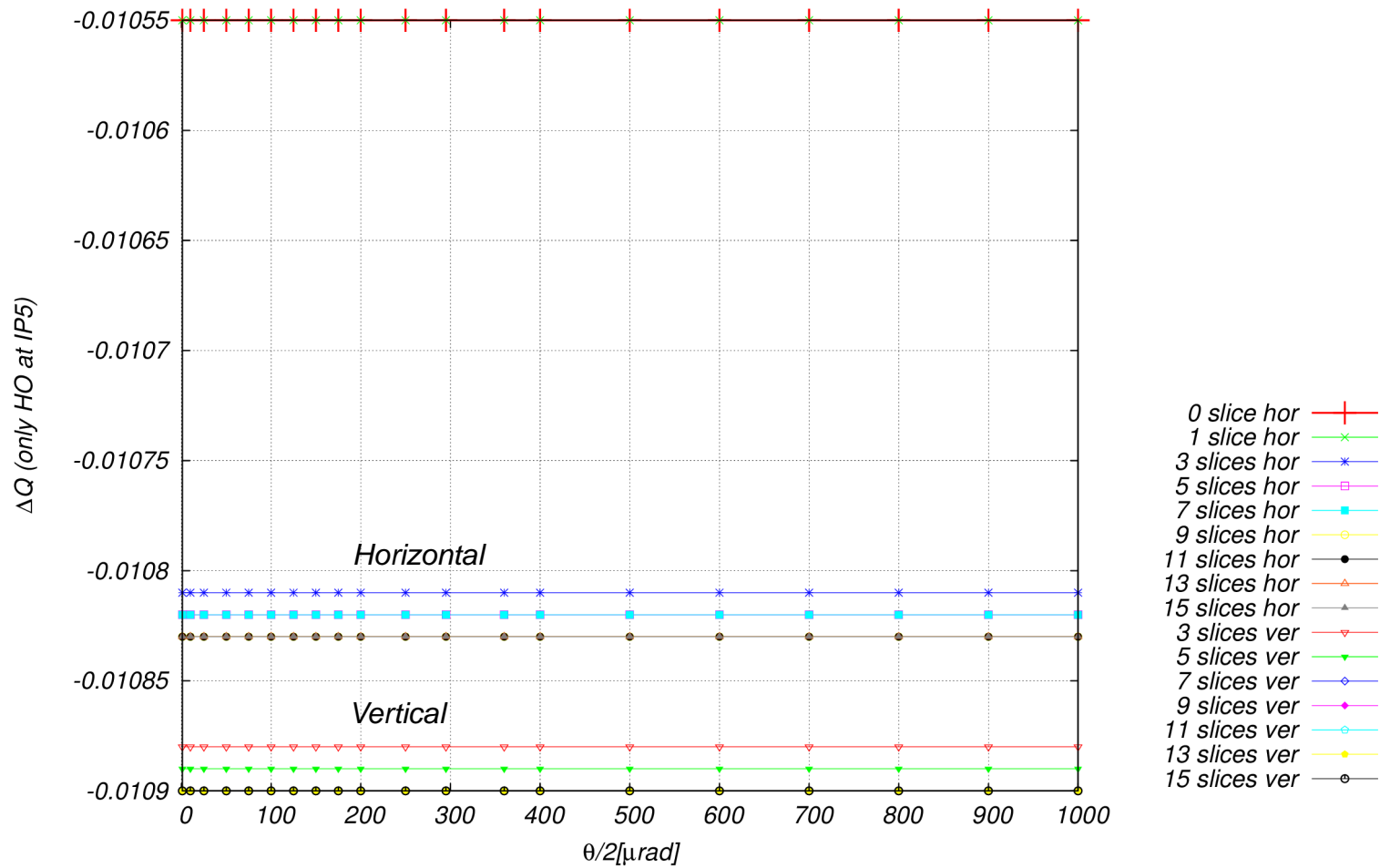
Check ΔQ vs #slices & $\theta/2$

Negative $\theta/2$

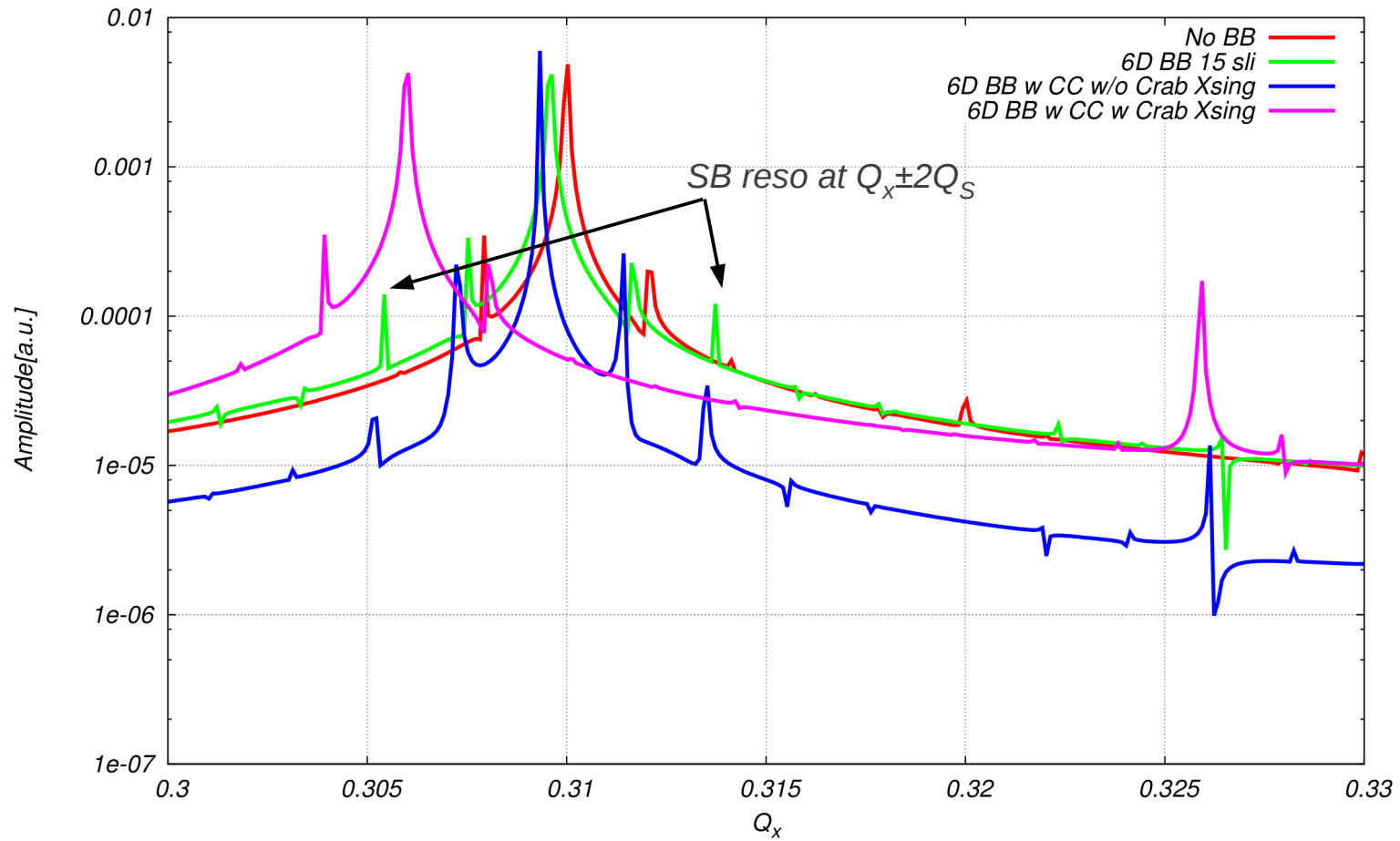


Check ΔQ vs #slices & $\theta/2$

Crab crossing.

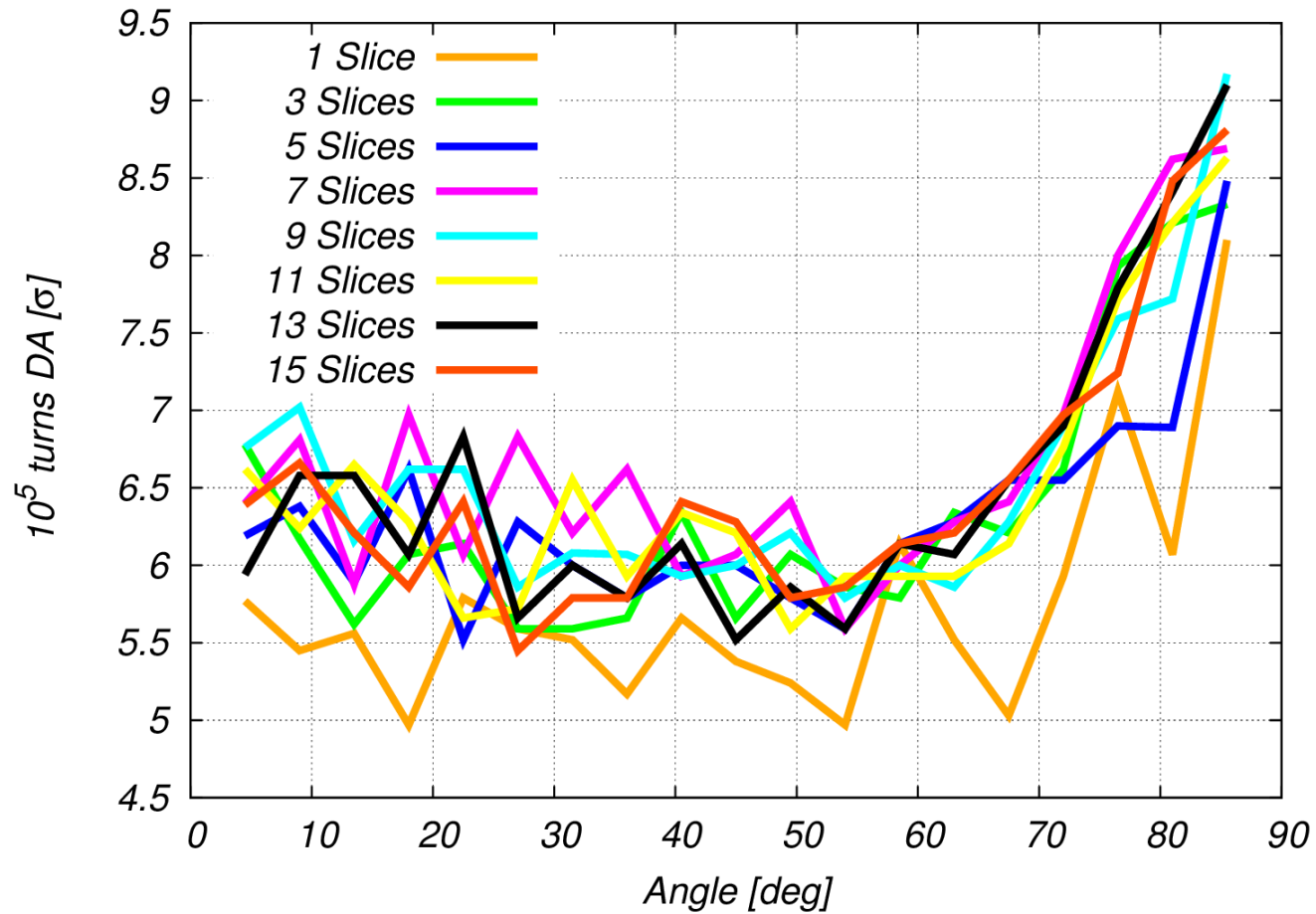


Check SB Resonances



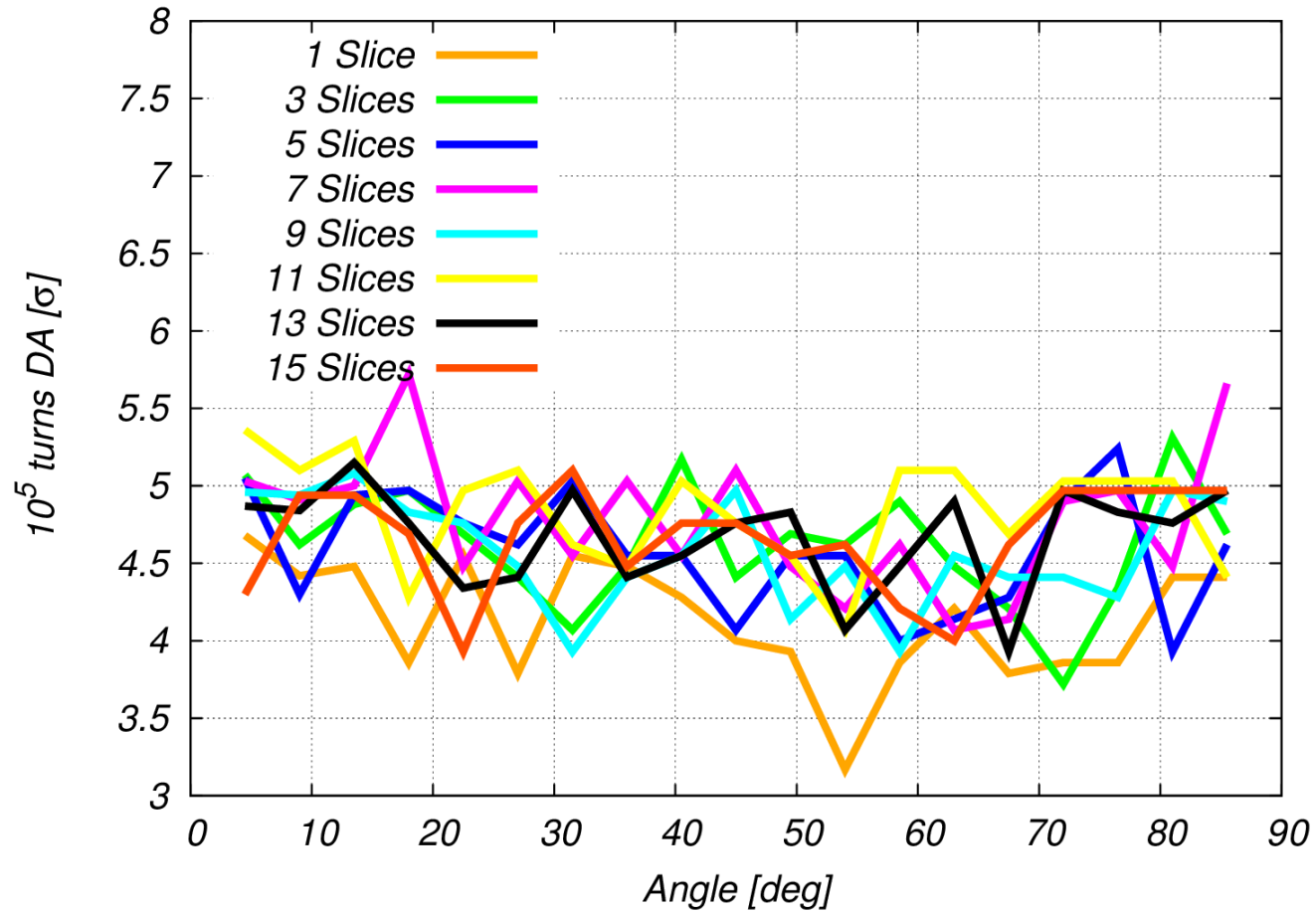
Check DA vs #slices

$\beta^*=10\text{cm}$. $\theta=720\mu\text{rad}$. $I=2.2 \cdot 10^{11}$ ppb. Case without errors (seed #1). 10^5 turns.



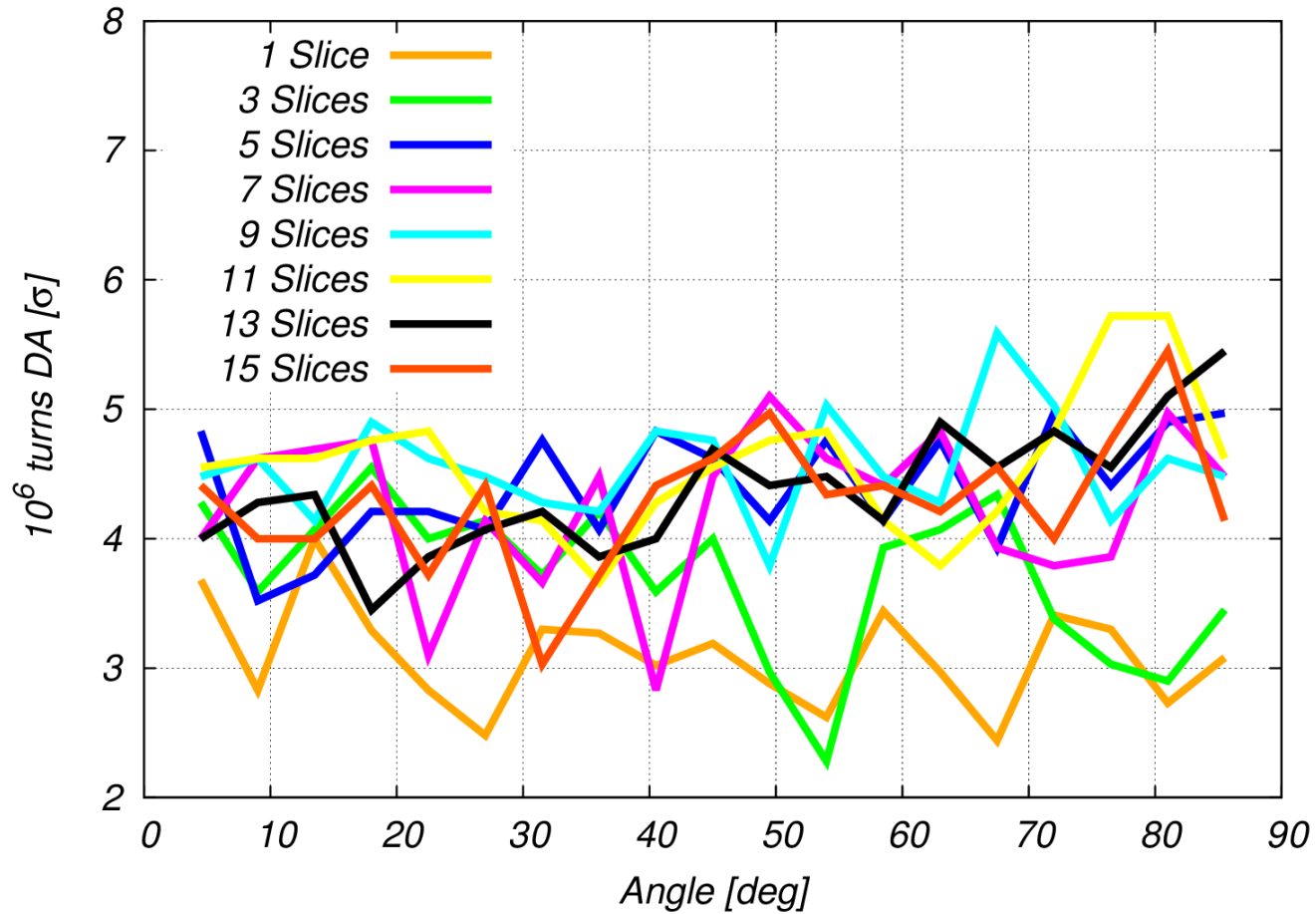
Check DA vs #slices

$\beta^*=10\text{cm}$. $\theta=720\mu\text{rad}$. $I=2.2 \cdot 10^{11}$ ppb. Case with errors (seed #1). 10^5 turns.



Check DA vs #slices

$\beta^*=10\text{cm}$. $\theta=720\mu\text{rad}$. $I=2.2 \cdot 10^{11}$ ppb. Case without errors (seed #1). 10^6 turns.



Check DA vs #slices

$\beta^*=10\text{cm}$. $\theta=720\mu\text{rad}$. $I=2.2 \cdot 10^{11}$ ppb. Case with errors (seed #1). 10^6 turns.

