

Teaser on new EP calculations

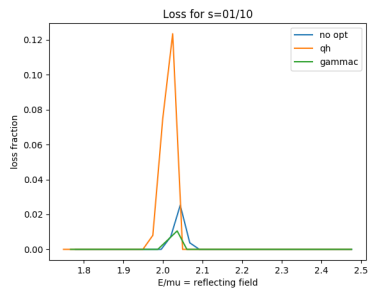
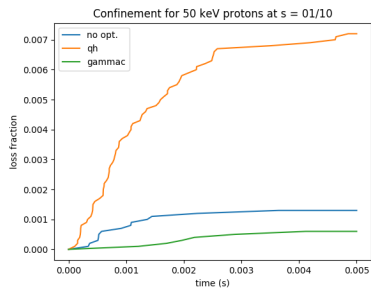
A. Bader

Wistell Meeting, Sep 28, 2018

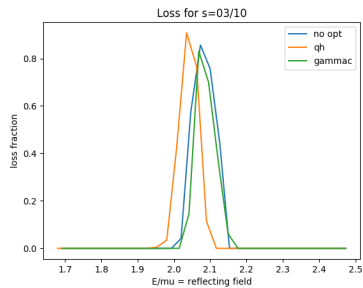
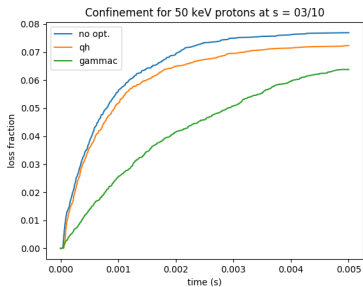
Correction to particle following code changes previous results

- There was a sign error in the drift equation code previously used for energetic particle calculation
- This morning, Michael Drevlak and I are in agreement in the proper form for the equation
- Nemov's γ_c metric performs better now
- Comparison of three cases:
 - No optimization (qhs46 configuration)
 - Optimization for quasi-symmetry at $s = 0.6$
 - Optimization for γ_c at $s = 0.2, 0.4$ and 0.6
- Check of other metrics is still to come

Comparison at $s = 0.1$



Comparison at $s = 0.3$



Comparison at $s = 0.5$

