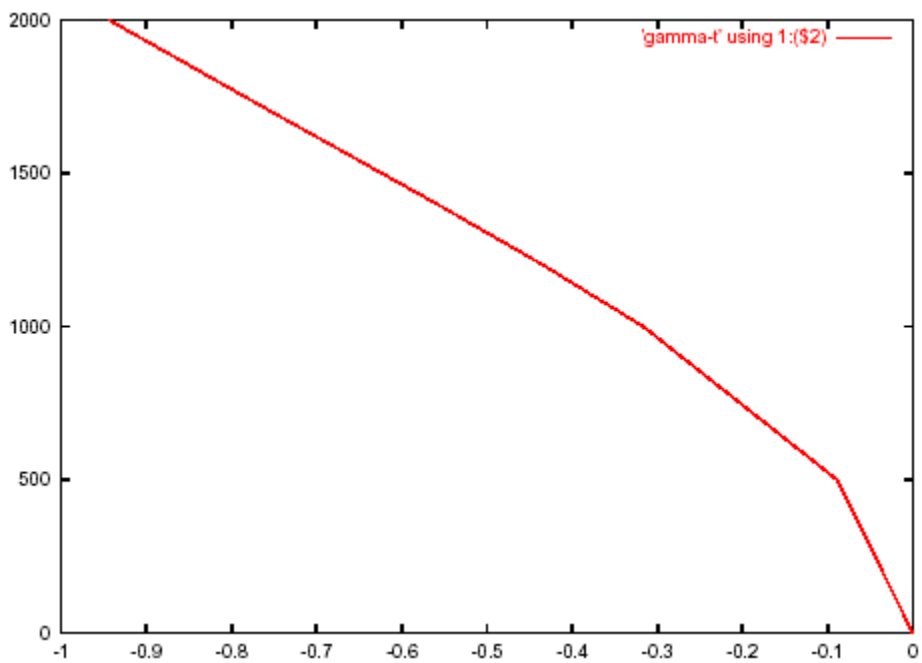
Booster Gamma-t Jump Quad Modeling

- Location:
  6 QF in Short 4, 8, 12, 16, 20 and 24
  6 QD in Short 2, 6, 10, 14, 18 and 22

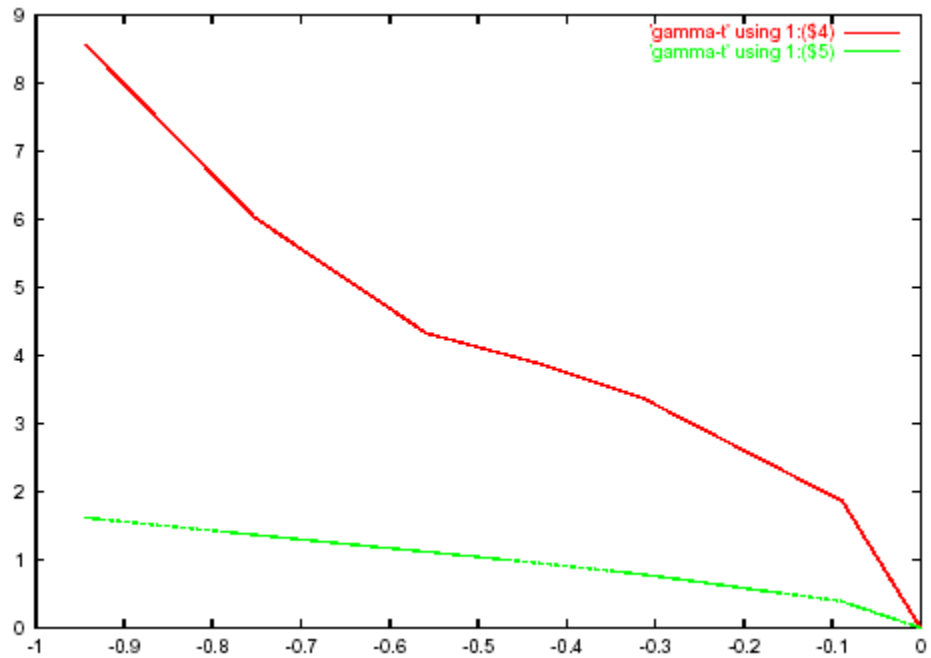
- Length:
  QF = 21.6 cm
  QD = 24.6 cm

- Gradient:
  B' = 480 Gauss/in at 2,000A

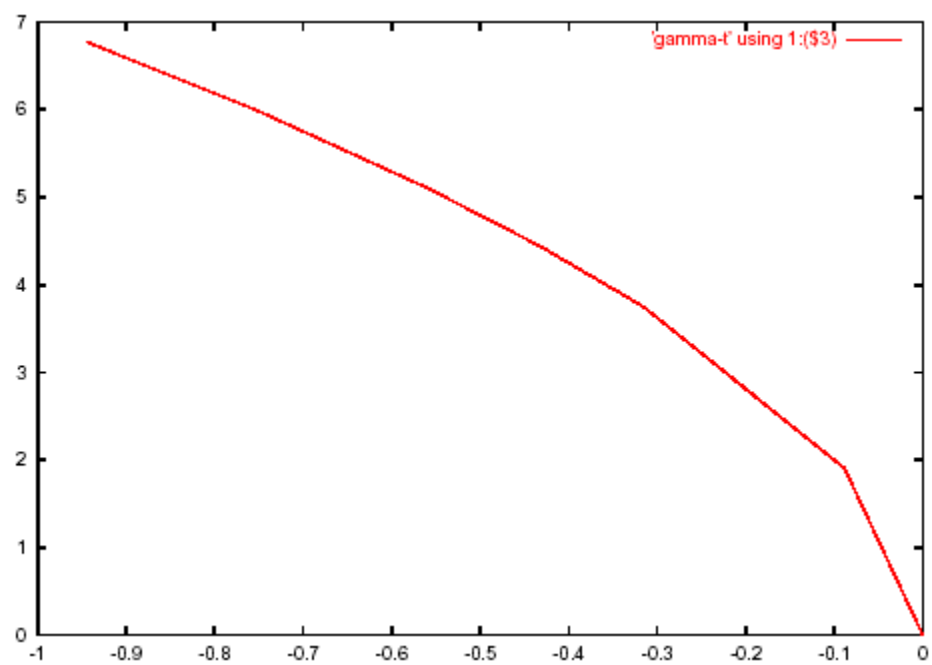
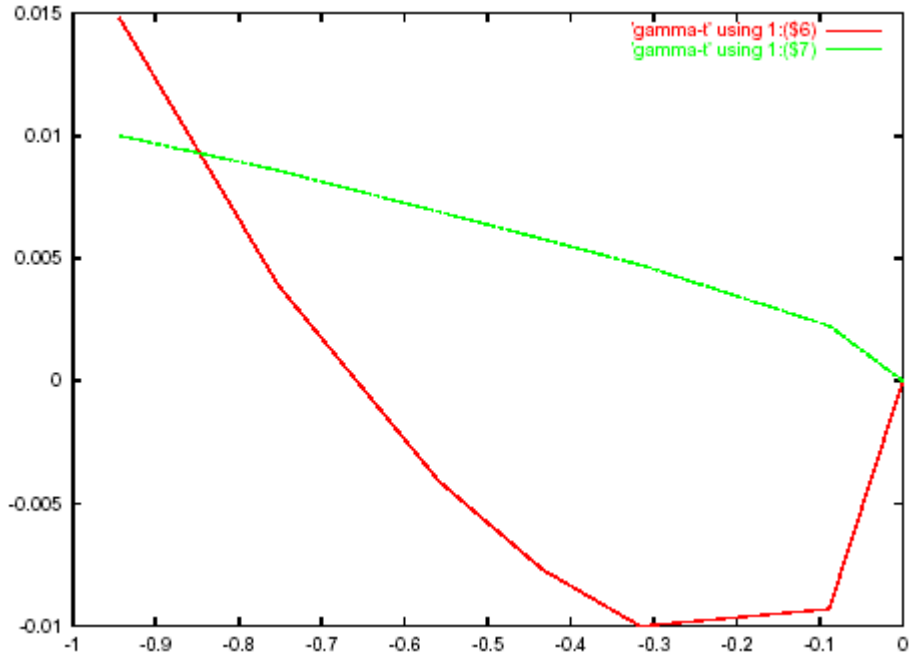
1. Quad current (in ampères) *vs.* $\Delta\gamma_t$:



2. $\Delta\beta_x$ (red) and $\Delta\beta_y$ (green) (in meters) *vs.* $\Delta\gamma_t$:



3. ΔD (in meters) *vs.* $\Delta\gamma_t$:



4. $\Delta\nu_x$ (red) and $\Delta\nu_y$ (green) *vs.* $\Delta\gamma_t$: