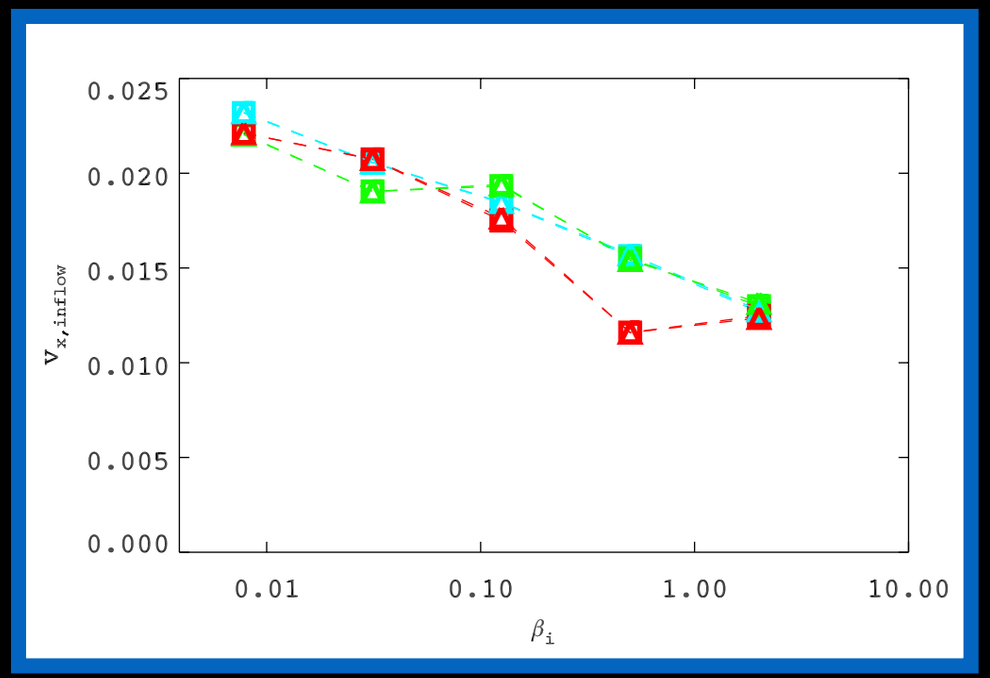
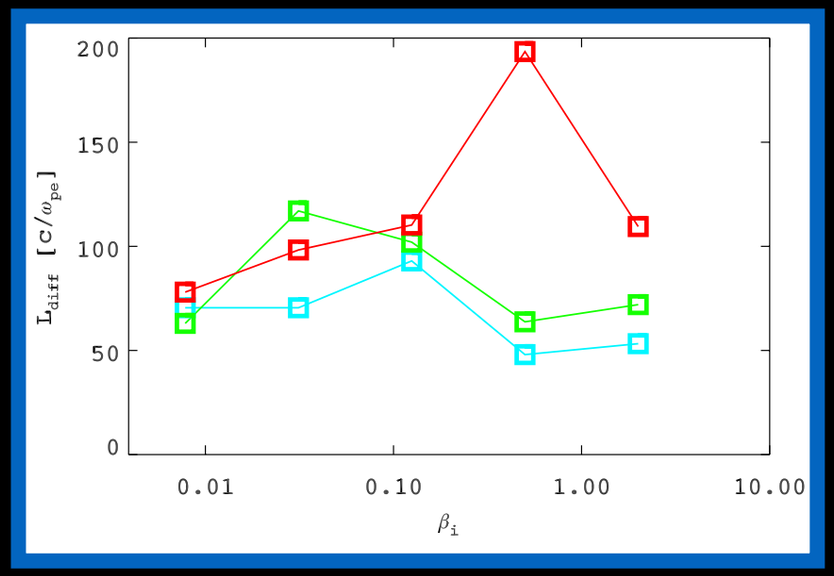
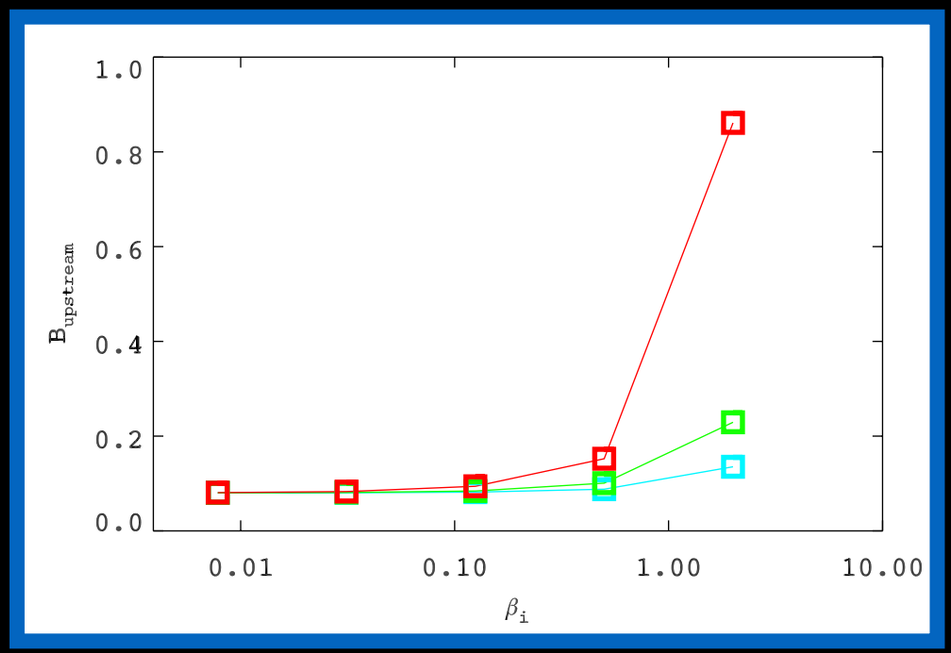
A simple model for the electron heating





$$M_{Te,ideal} \sim \frac{eE_{rec}Ln}{B^2/8\pi} \sim \frac{e\left(\frac{v_{in}}{c}\right)Ln}{B}$$



- The expression is roughly the work done by reconnection E field compare to inflow magnetic energy
- Treat B, L, and v_{in} as functions of beta, T_e/T_i - don't just assume constant

Diffusion region heating vs. model