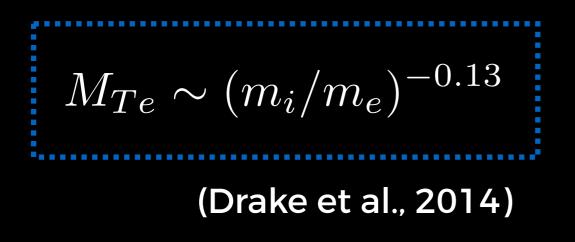
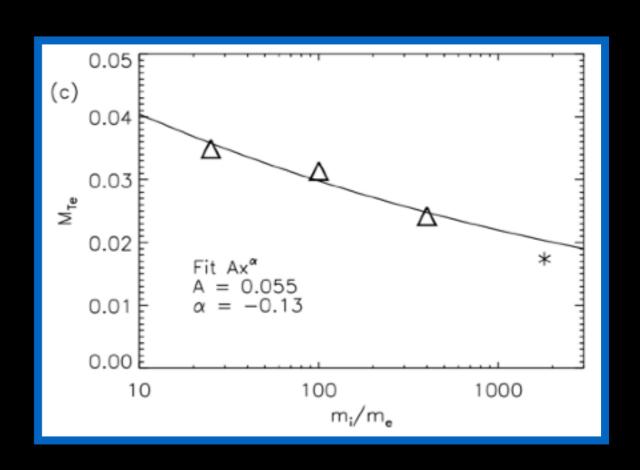
Electron heating will decrease with higher mi/me

- In our simulations, we use an artificial mass ratio of $m_i/m_e = 25$
 - Why? This makes the problem computationally tractable
- We can expect our measured heating will decrease with higher mass ratio;





Note: this scaling is consistent with the analytical model of Egedal et al.

Connection to black-hole physics

- Two main aspects to our investigation
 - Plasma physics
 - Explore a relatively unstudied region of plasma parameter space
 - Astrophysics
 - Provide (eventually) a lookup table for global simulations of black-hole accretion flows
 - Even if it turns out that the dependence on input values is weak, at least this will be known from a first-principles investigation