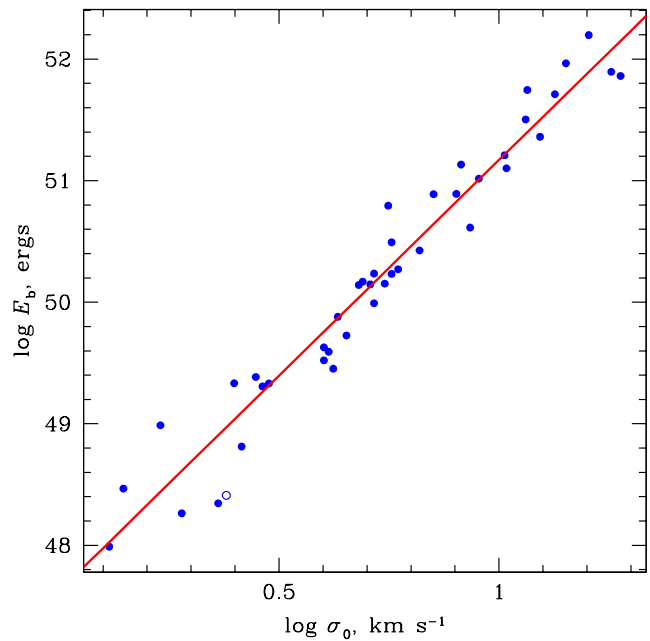


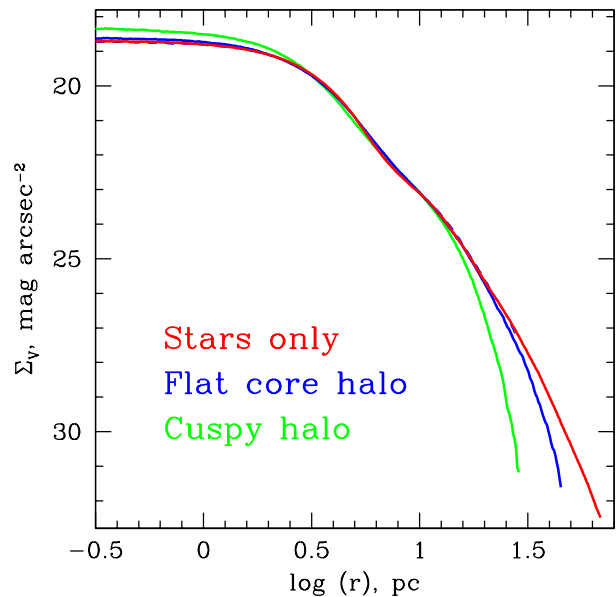
Sergey Mashchenko (McMaster University)

Recent and present research: origin of globular clusters

- Mashchenko & Sills, 2004 (**ApJL**, **605**, 121) “The Universality of Initial Conditions for Globular Cluster Formation”



- **Two submitted papers** (Mashchenko & Sills): “Globular Clusters with Dark Matter Halos. I. Initial Relaxation.” and “II. Evolution in Tidal Field.”



Work in progress. Much more detailed research into the properties of our ApJL model for the globular clusters' formation:

- physical explanation of the model correlations;
- secular evolution;
- anisotropic properties of the models.