

Spherical/Triaxial working group summary

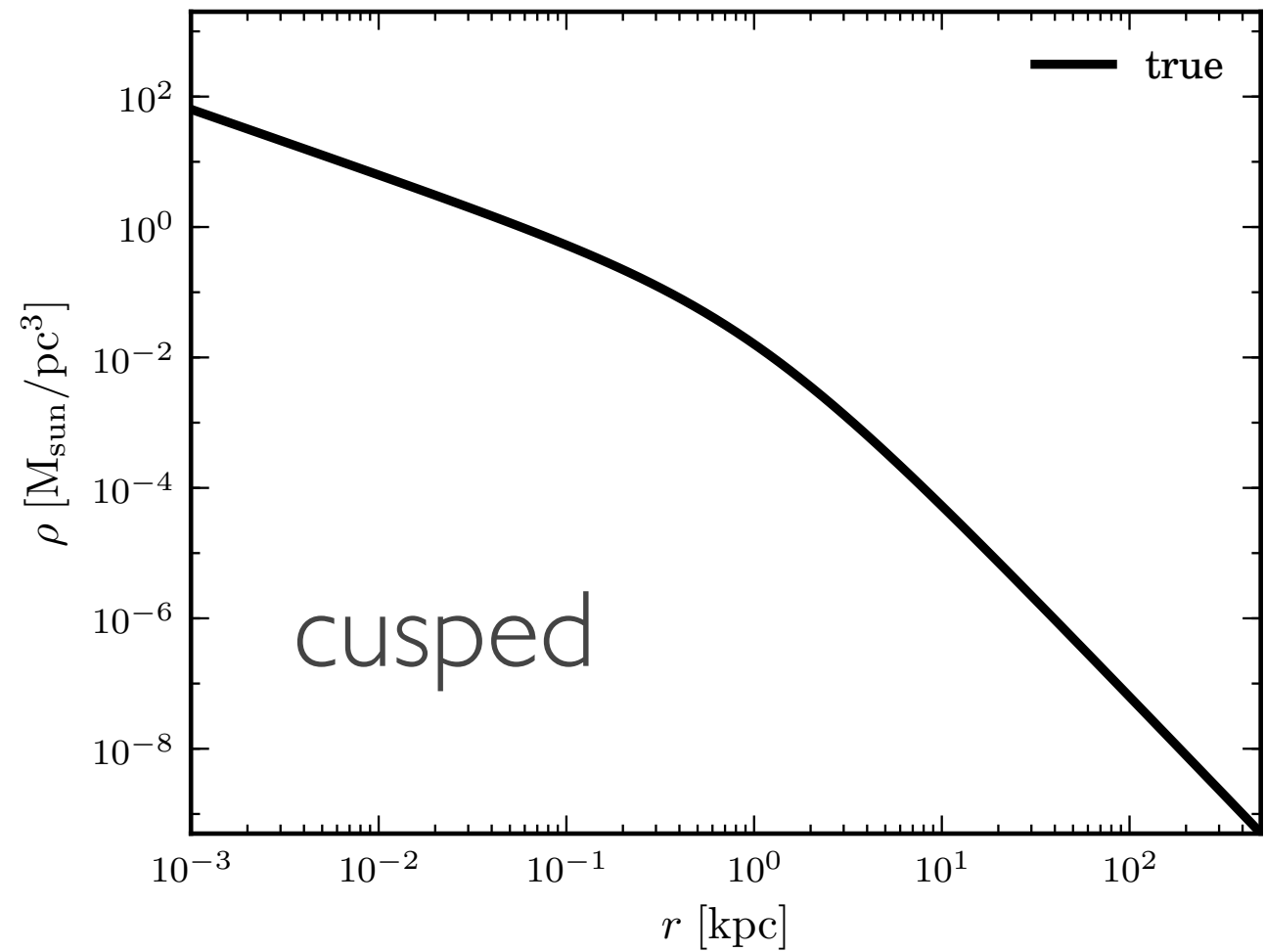
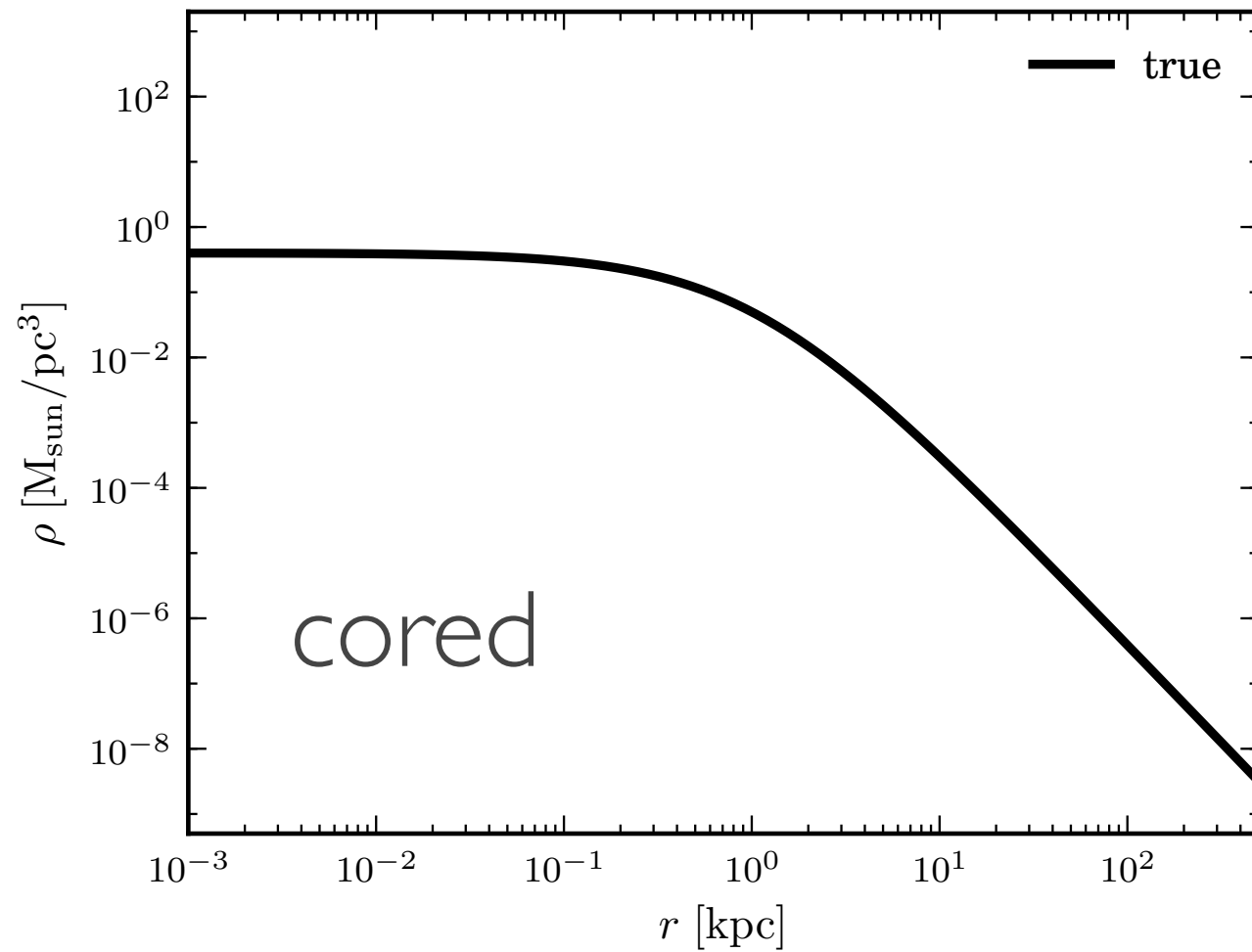
Laura Watkins, Justin Read,
Gary Mamon, Eugene Vasiliev
Matt Walker

Gaia Challenge IV, 14 October 2016

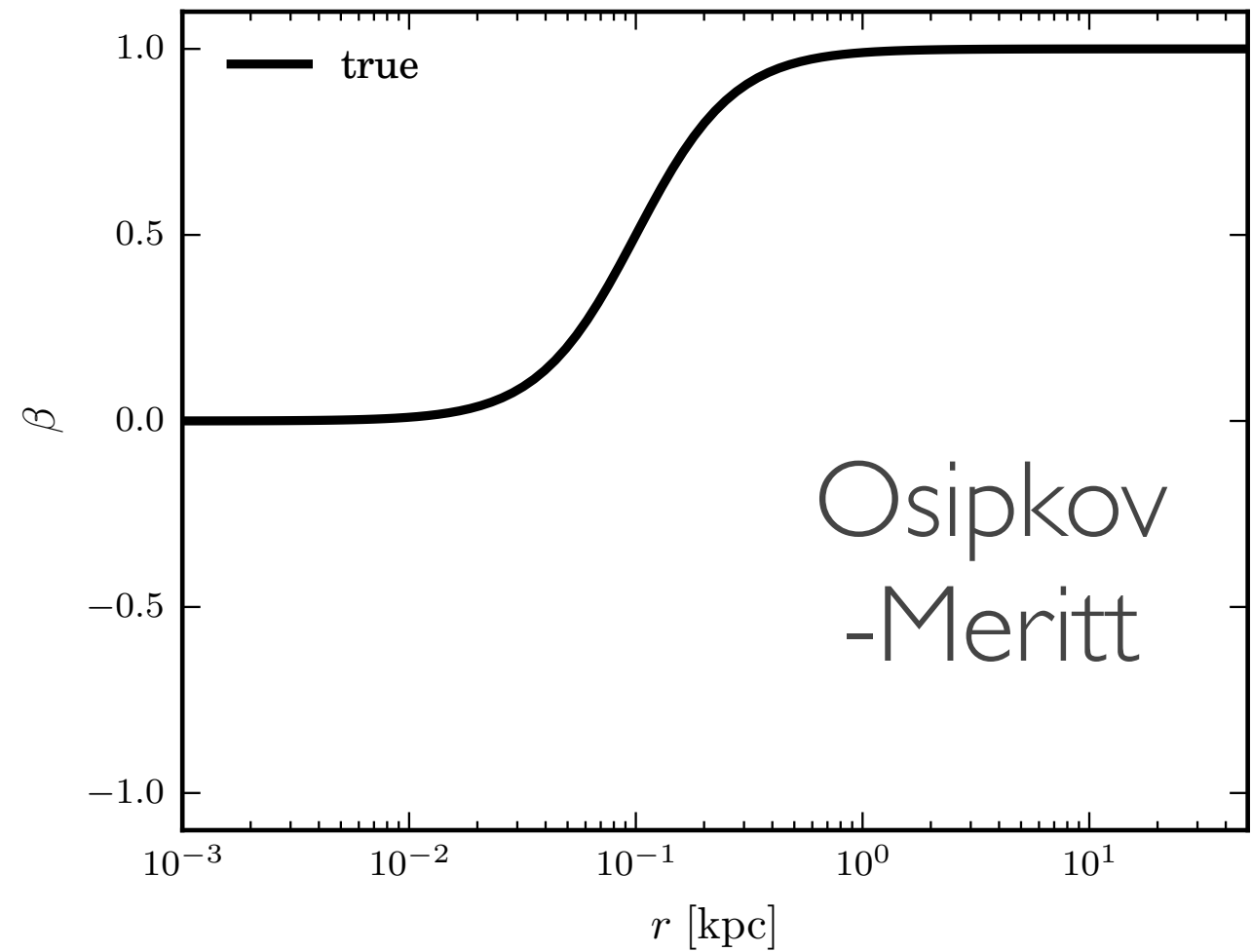
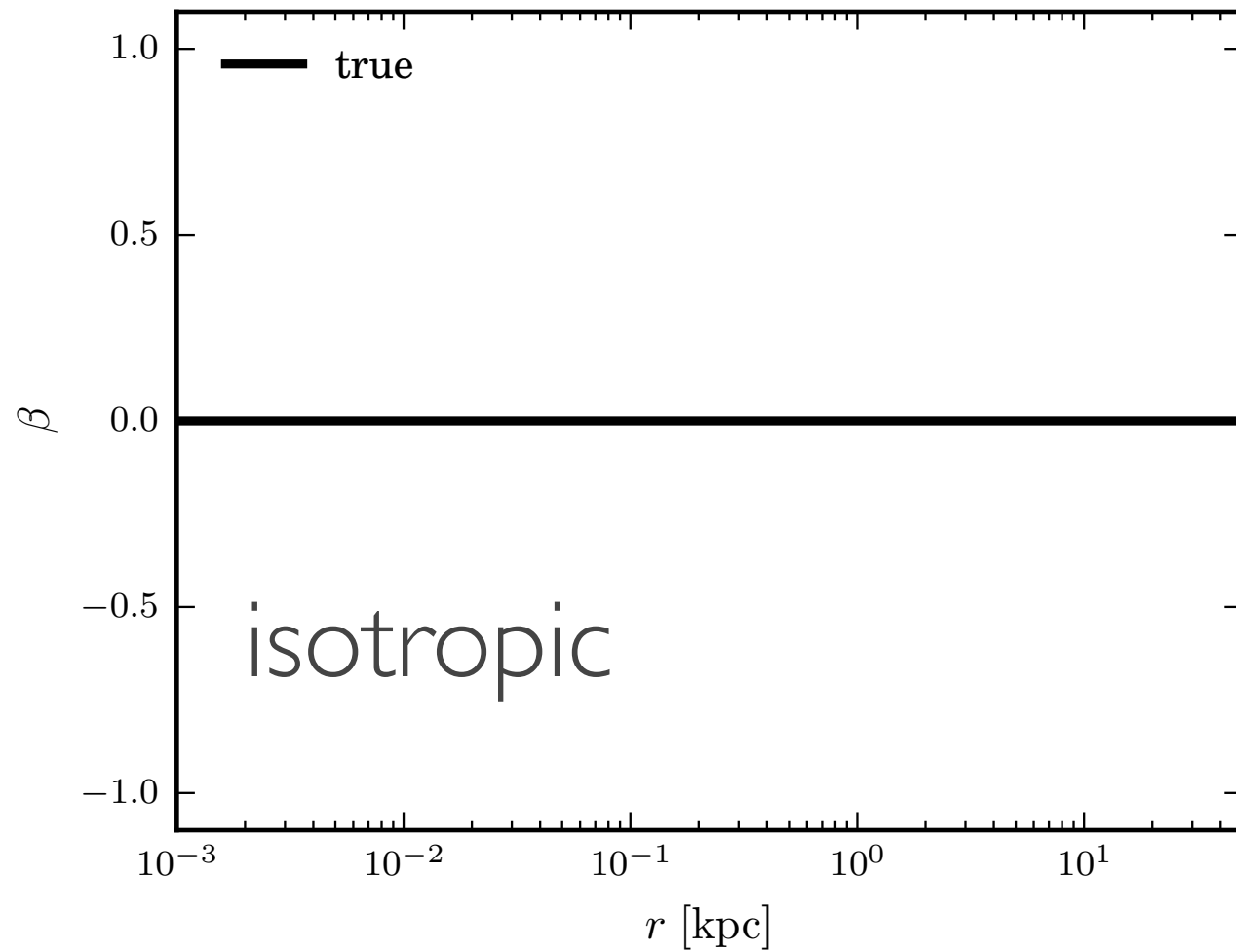
spherical test problems

single component spherical mocks

dark matter density profiles



anisotropy profiles



modelling tools

Justin (GravSphere): Jeans models, binned, non-parametric

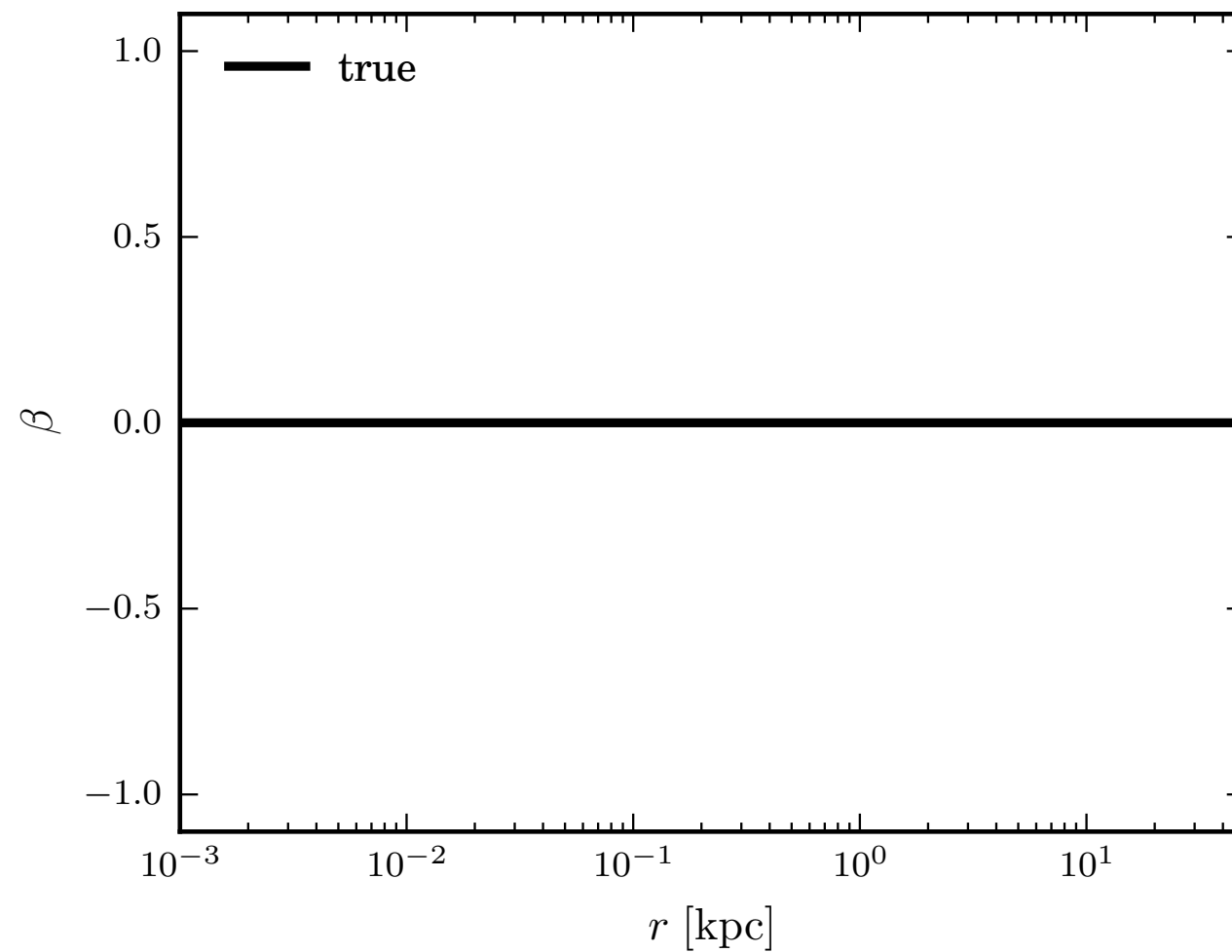
Laura (Discrete JAM): Jeans, discrete, parametric, Gaussian 2D VDF

Gary (MAMPOSSt): Jeans, discrete, parametric, Gaussian 3D VDF

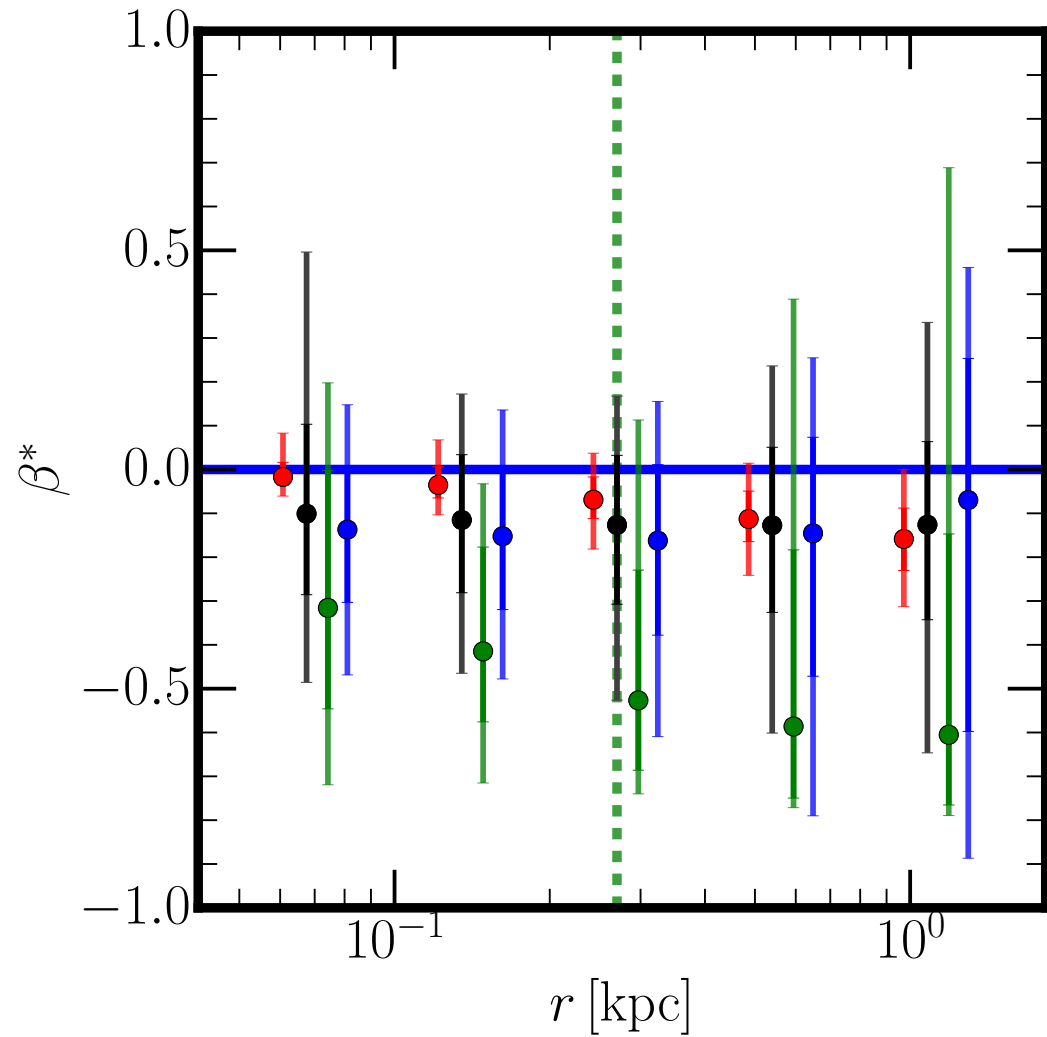
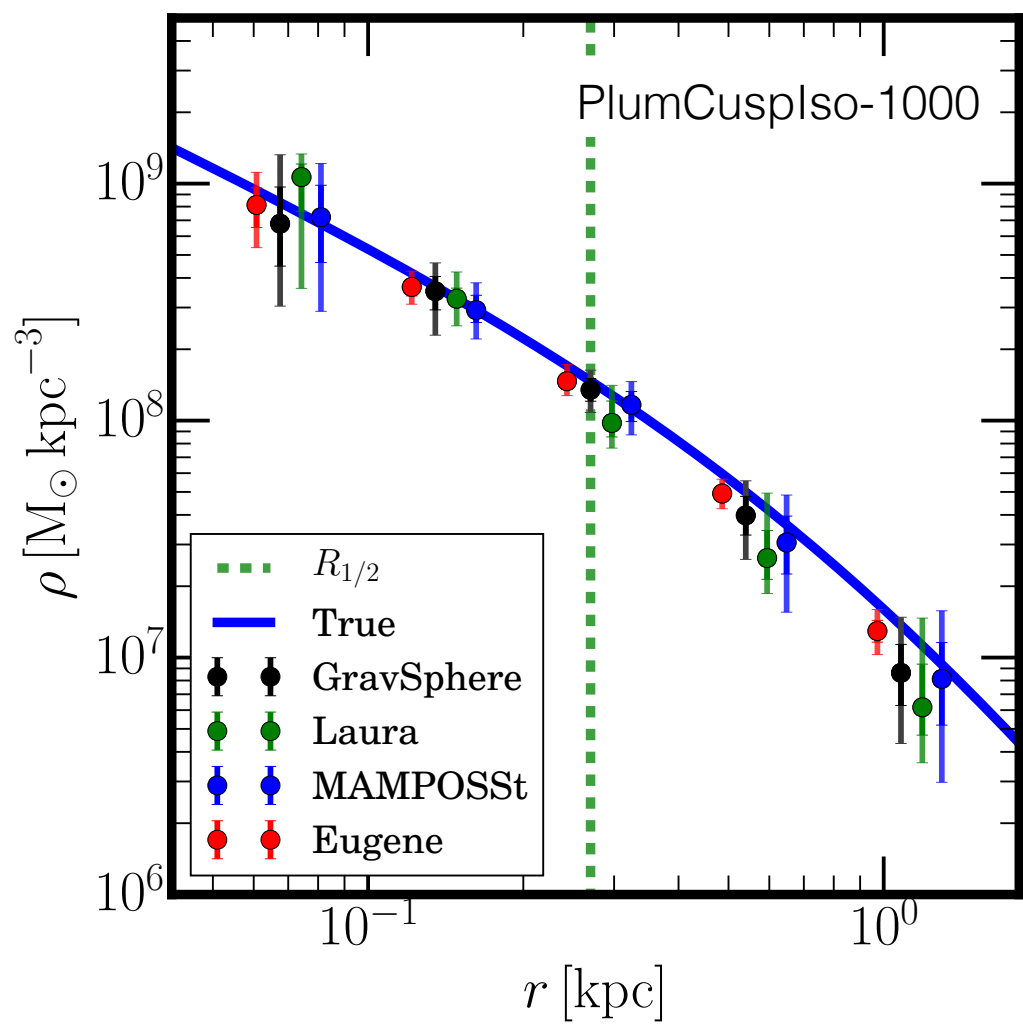
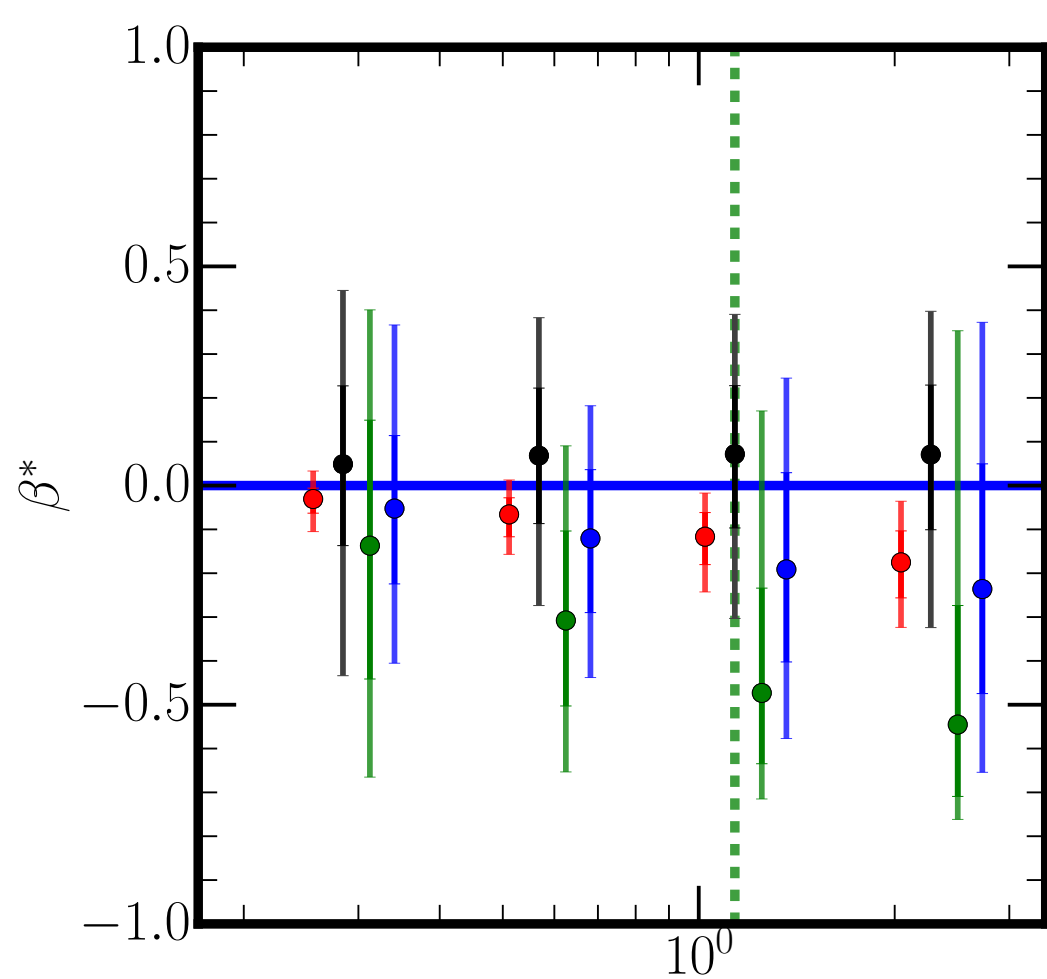
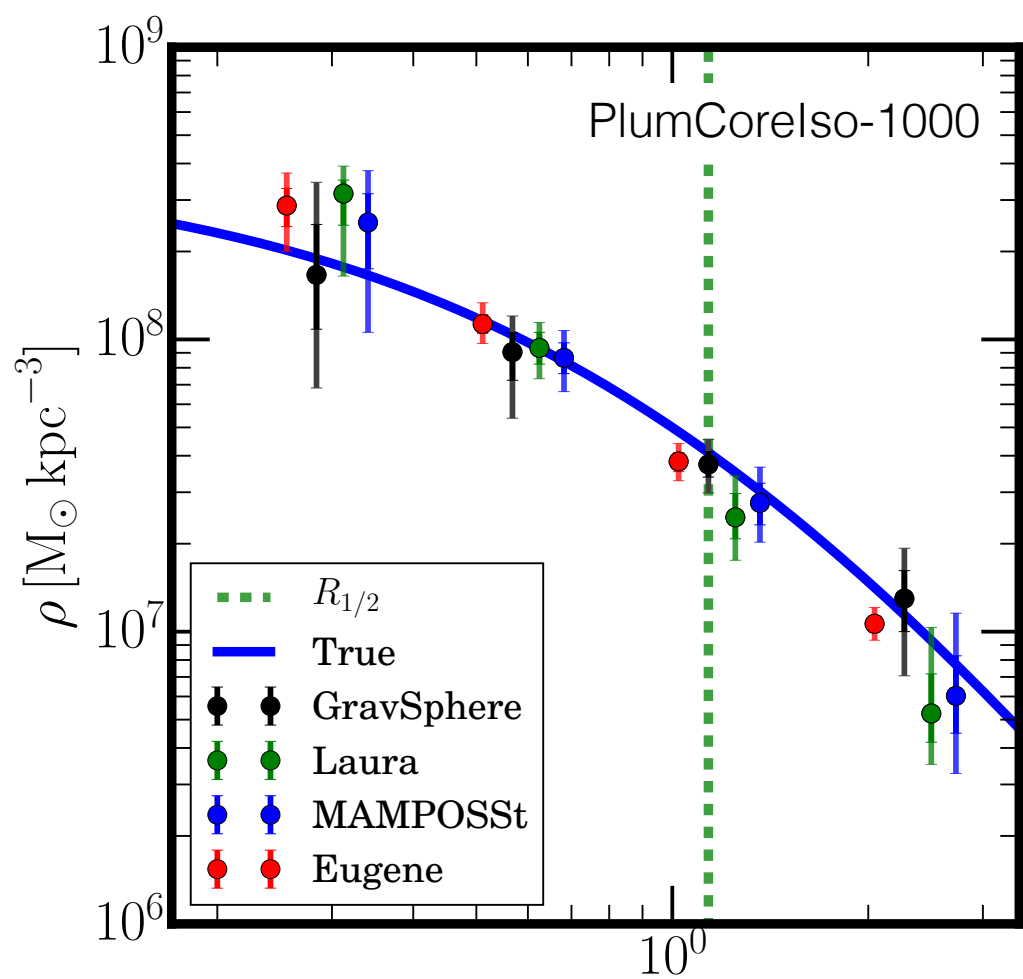
Eugene (AGAMA): distribution functions, discrete, parametric

LOS velocity fits only

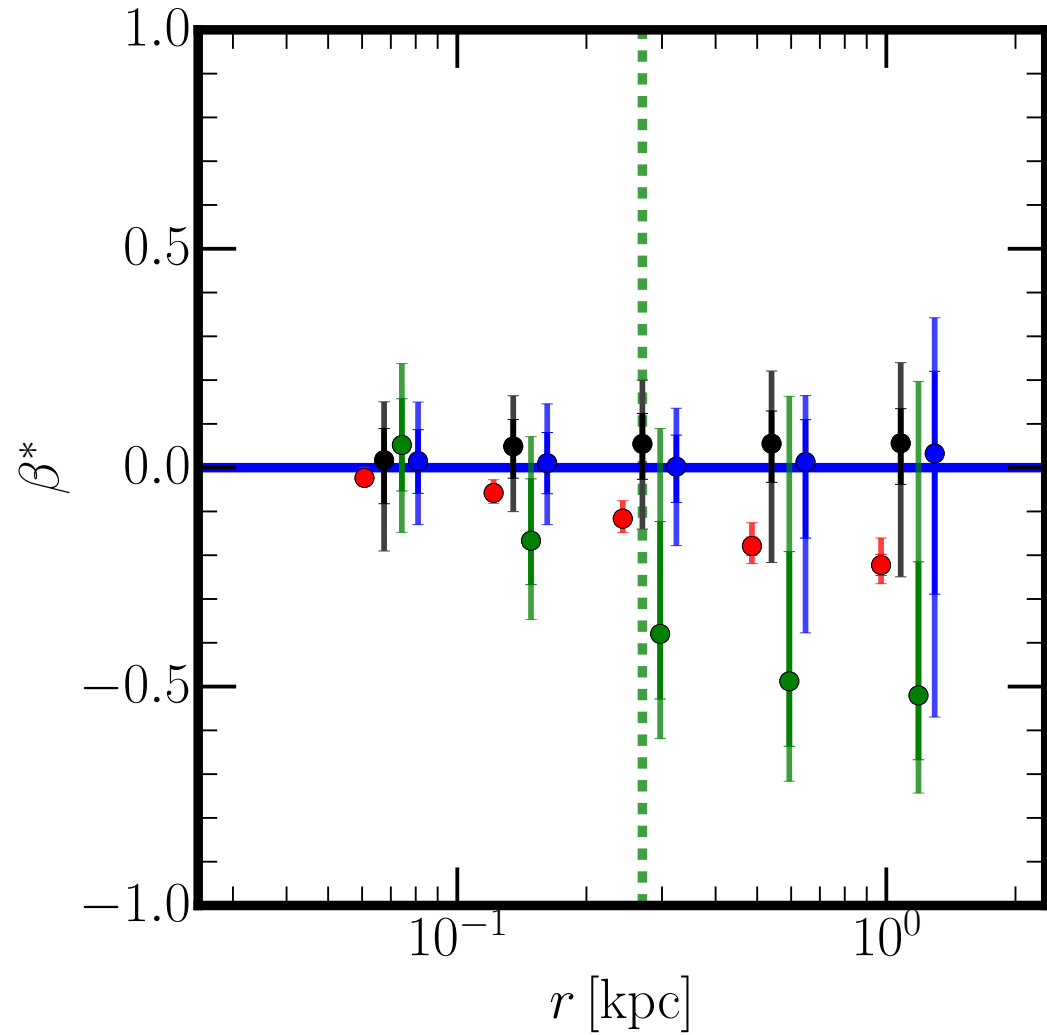
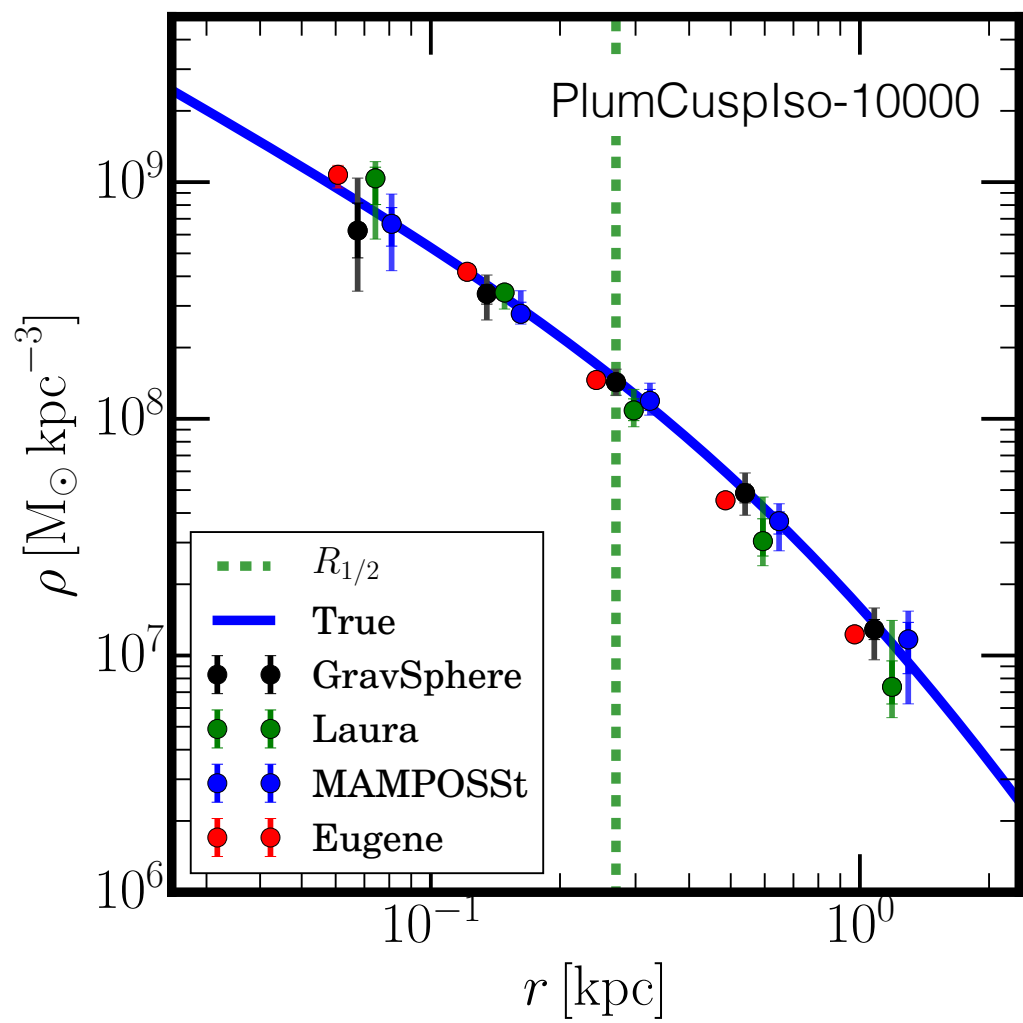
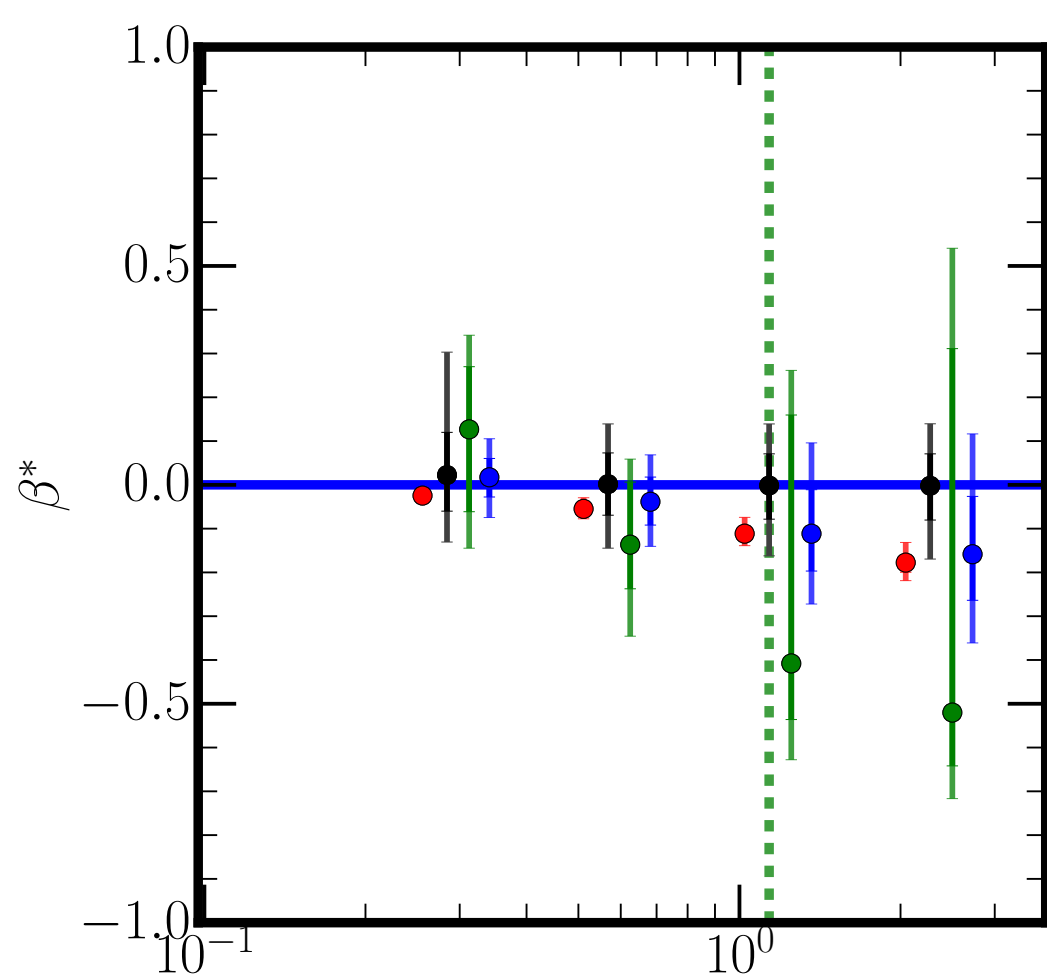
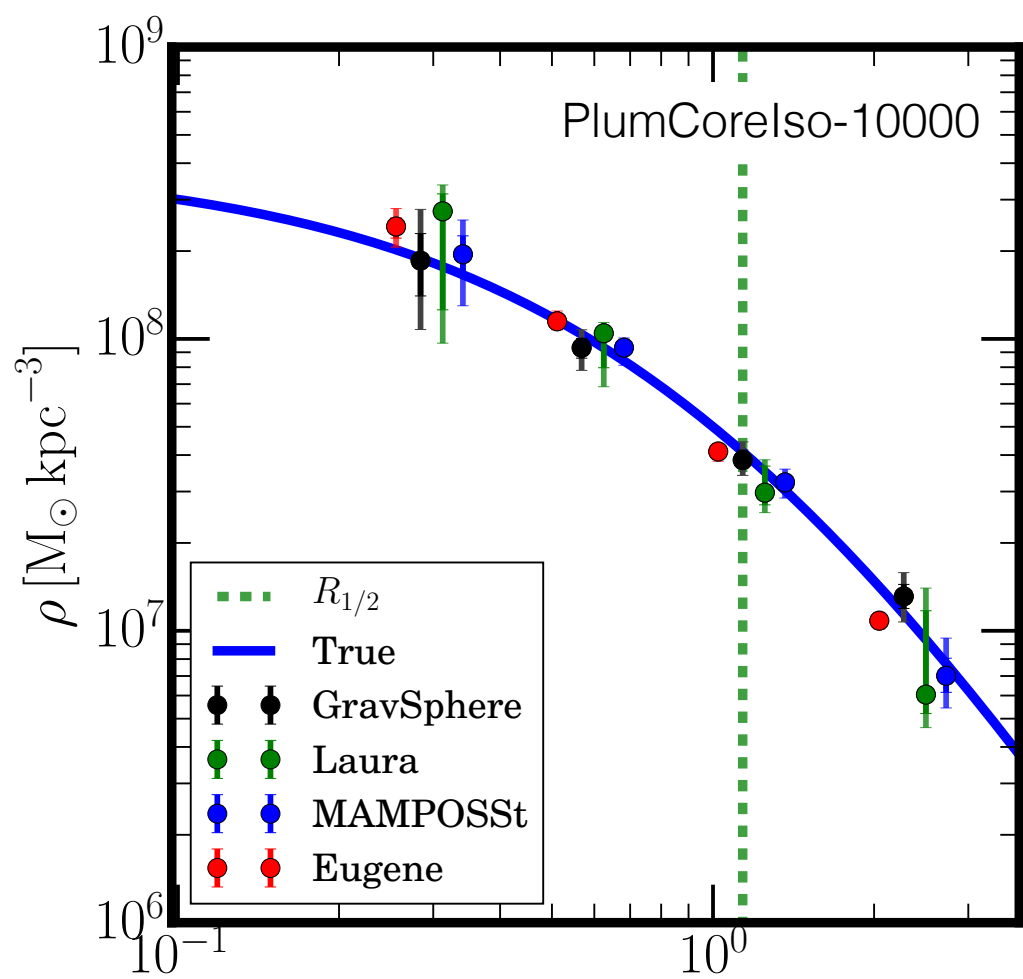
isotropic mocks



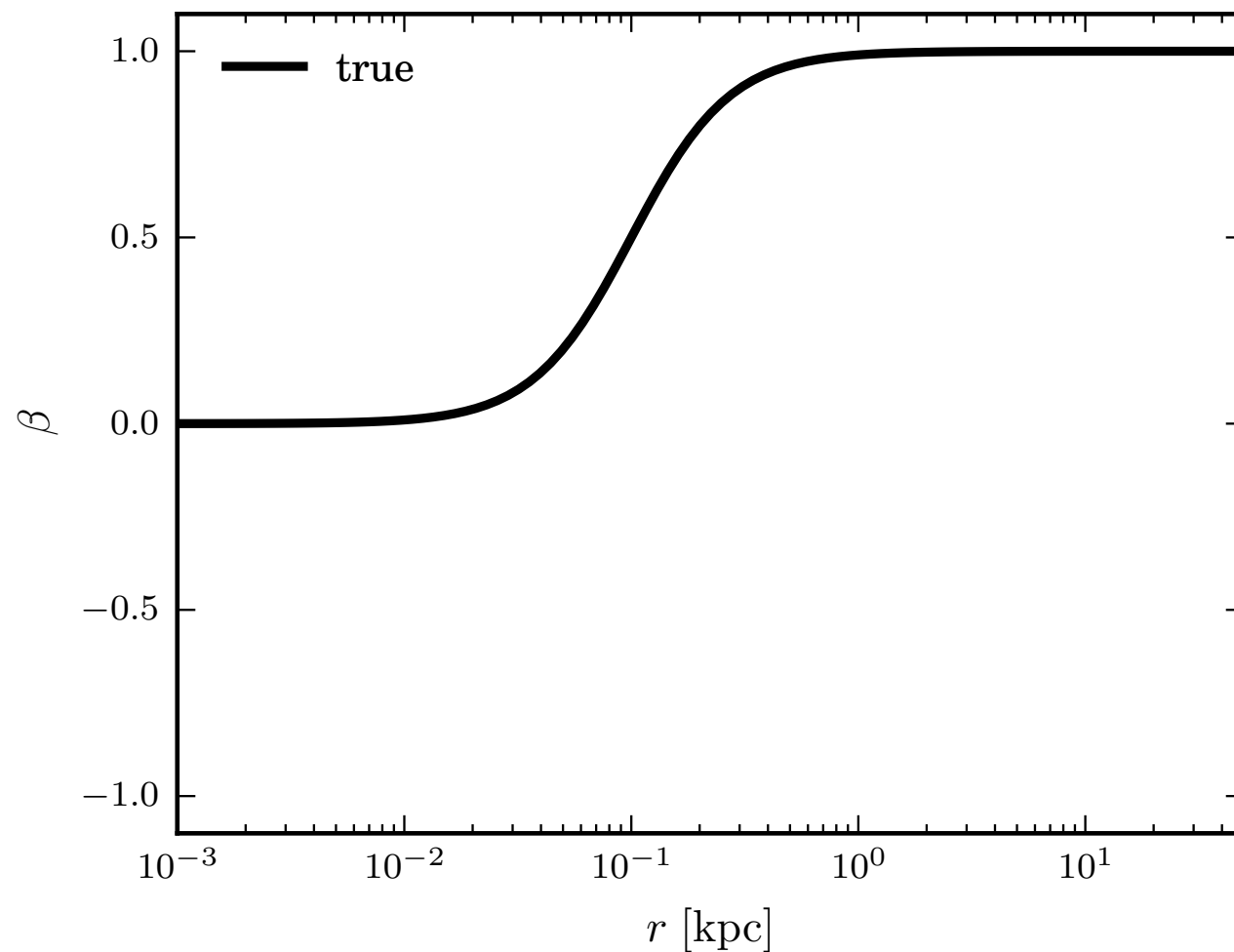
1000 stars



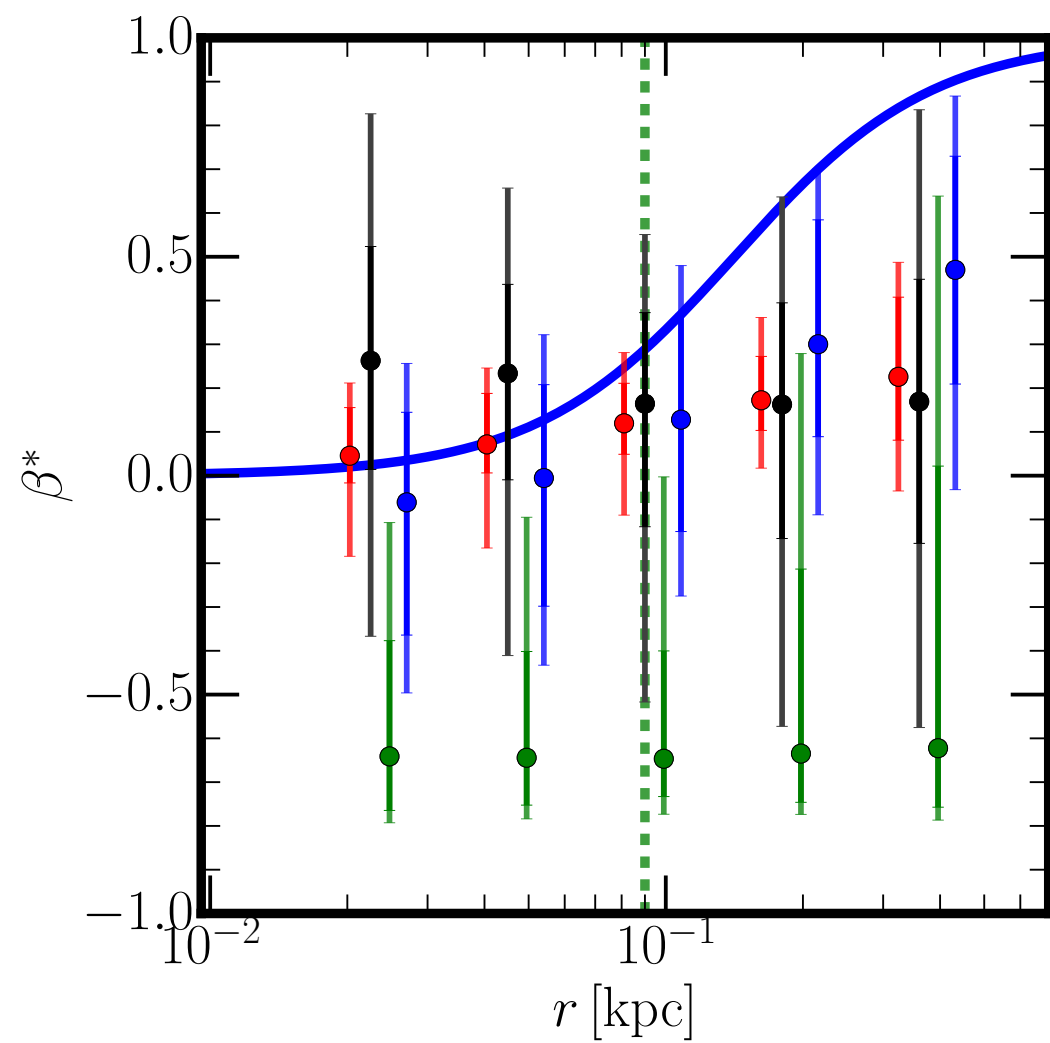
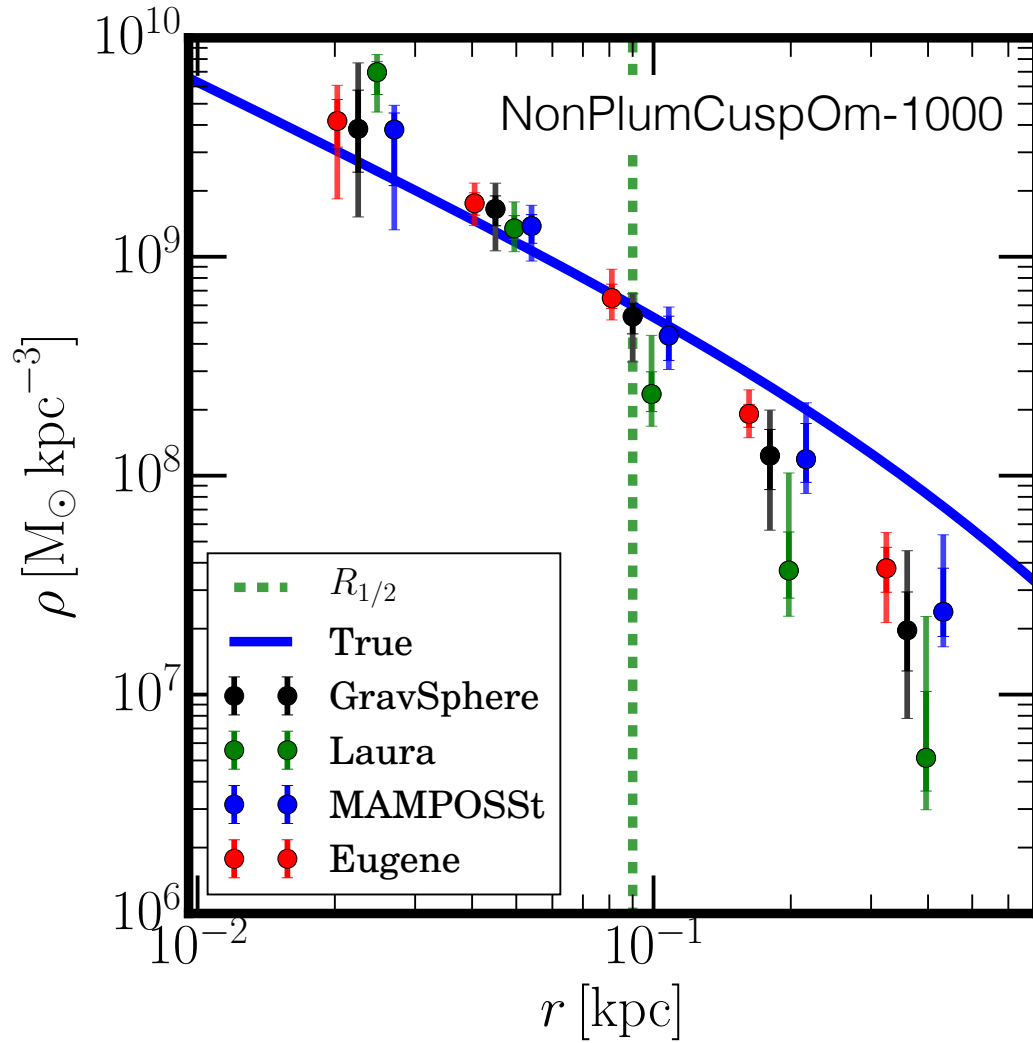
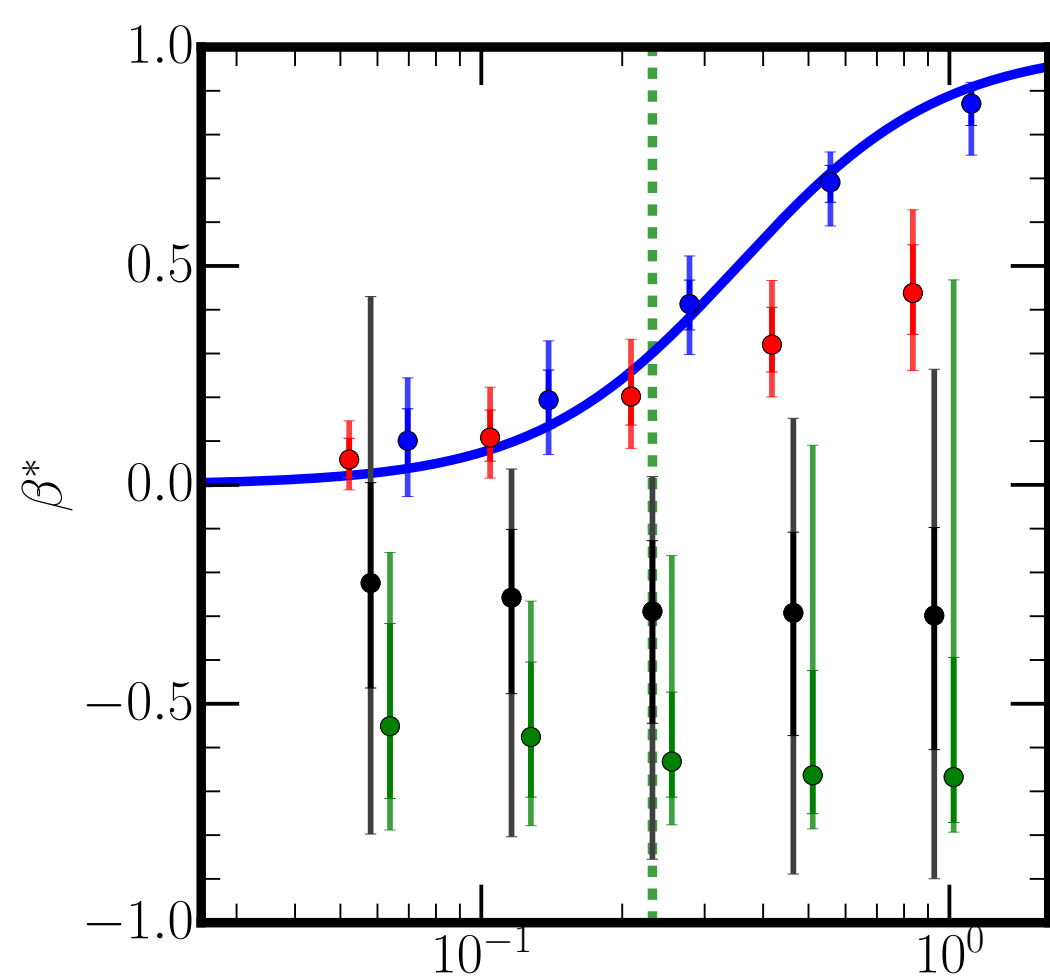
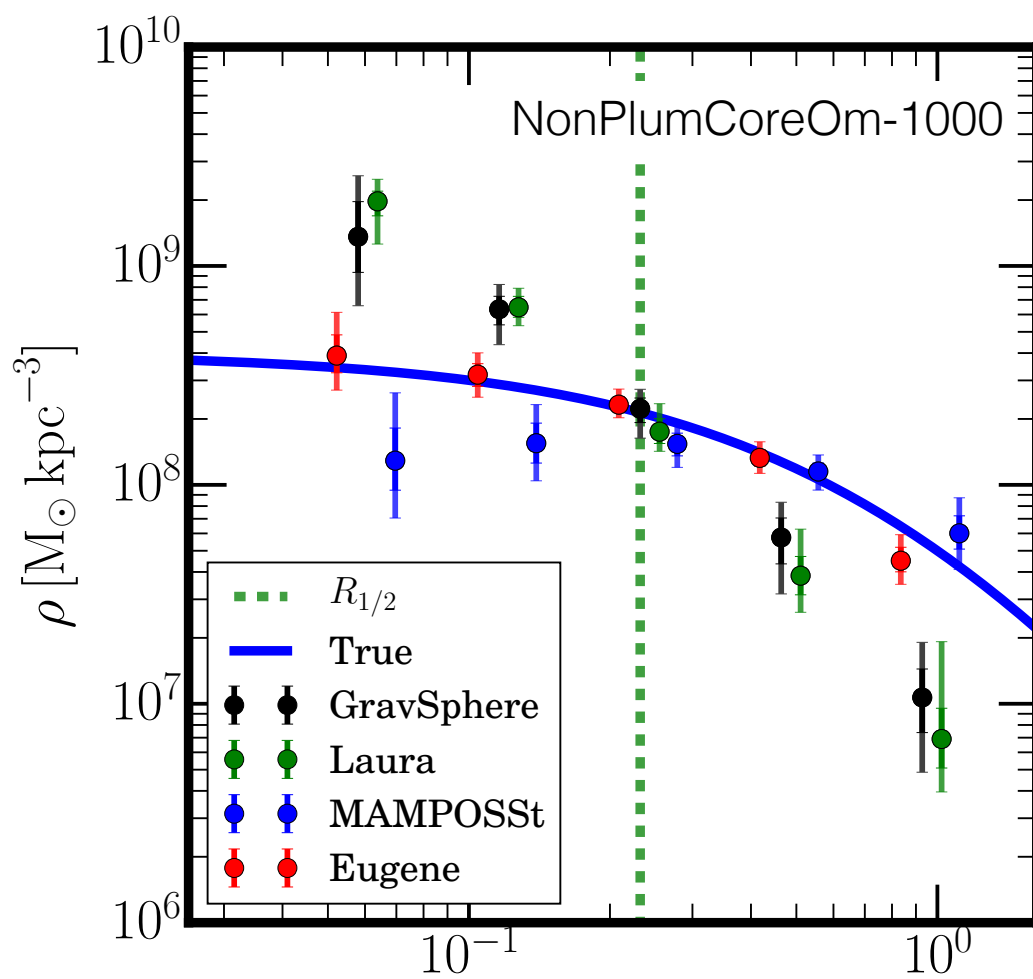
10,000 stars



Osipkov-Merritt (OM) mocks (isotropic centre, radial outer)



1000 stars



10,000 stars

