

An evolving Milky Way dark matter halo, the influence of the Large Magellanic Cloud.

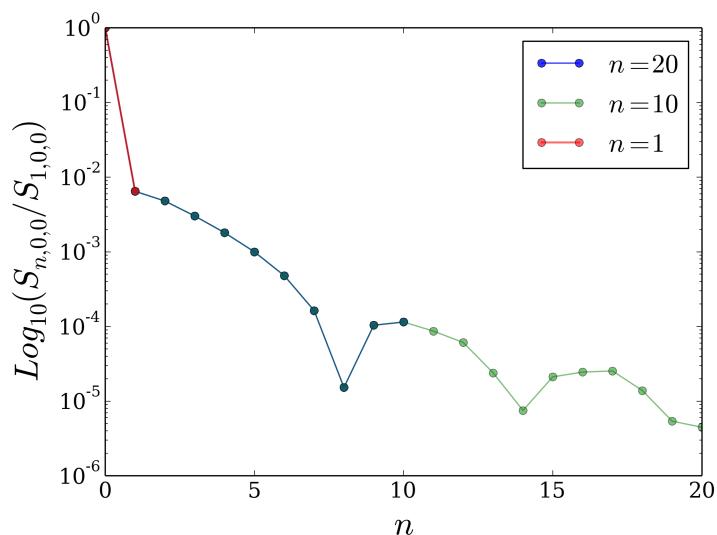
1 Halo Expansion

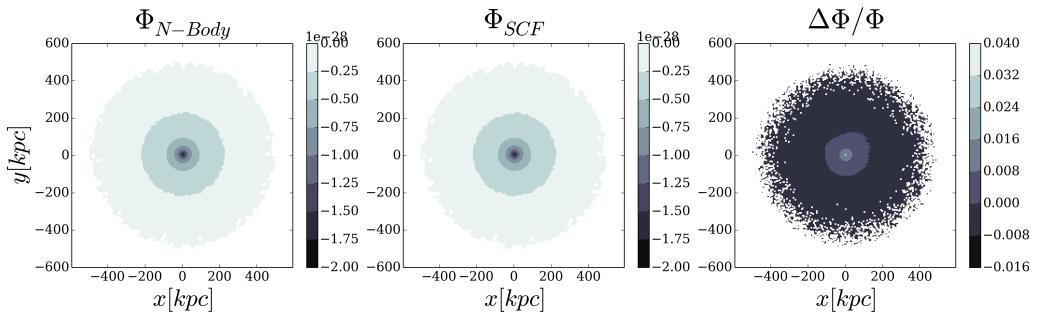
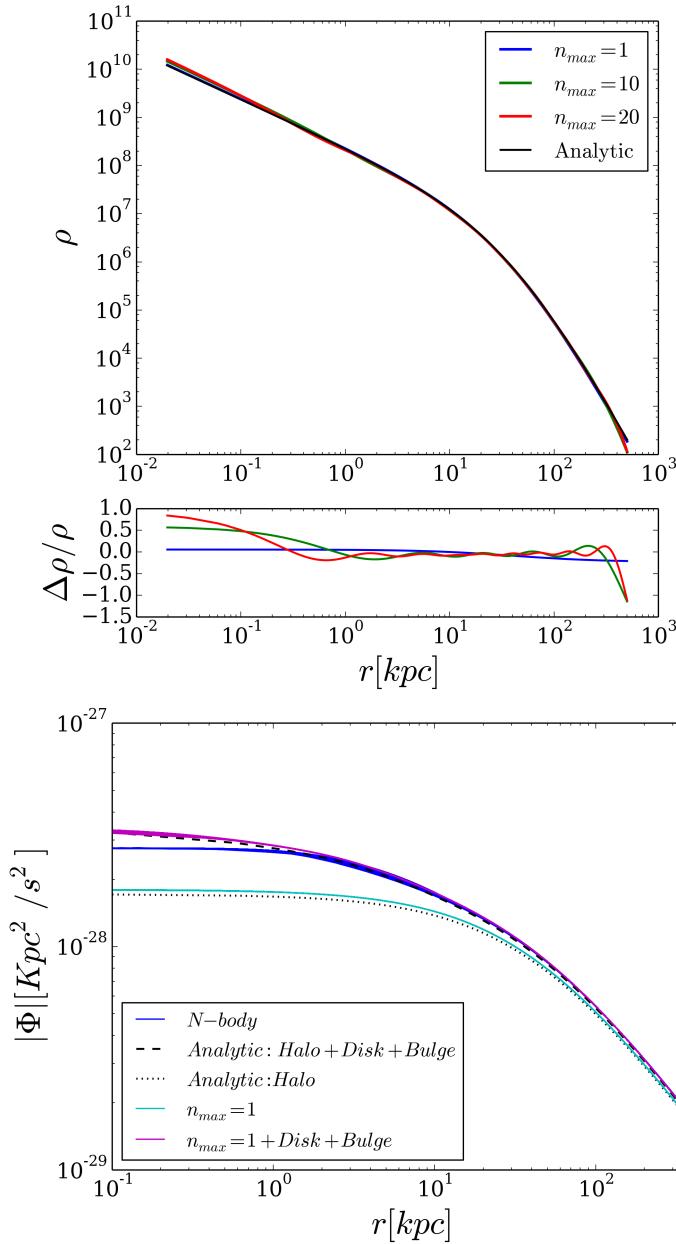
Explanation of the Method..

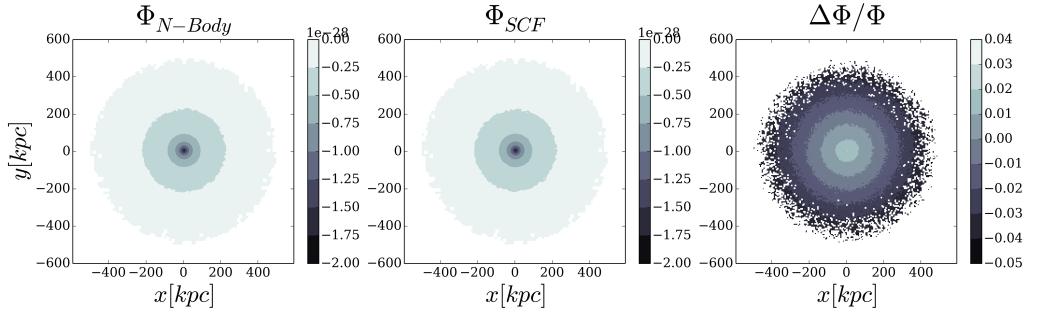
$$\rho = \sum \sum \sum \quad (1)$$

1.1 Isolated MW halo expansion

Fig.1 MW scatter plot with color code the potential,

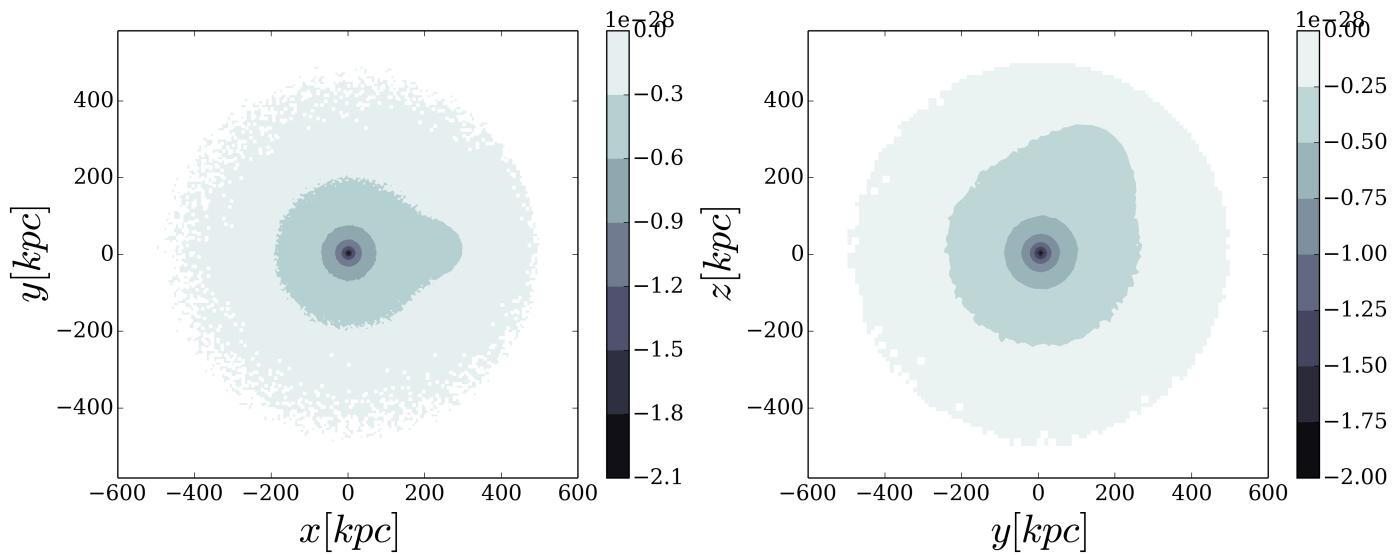


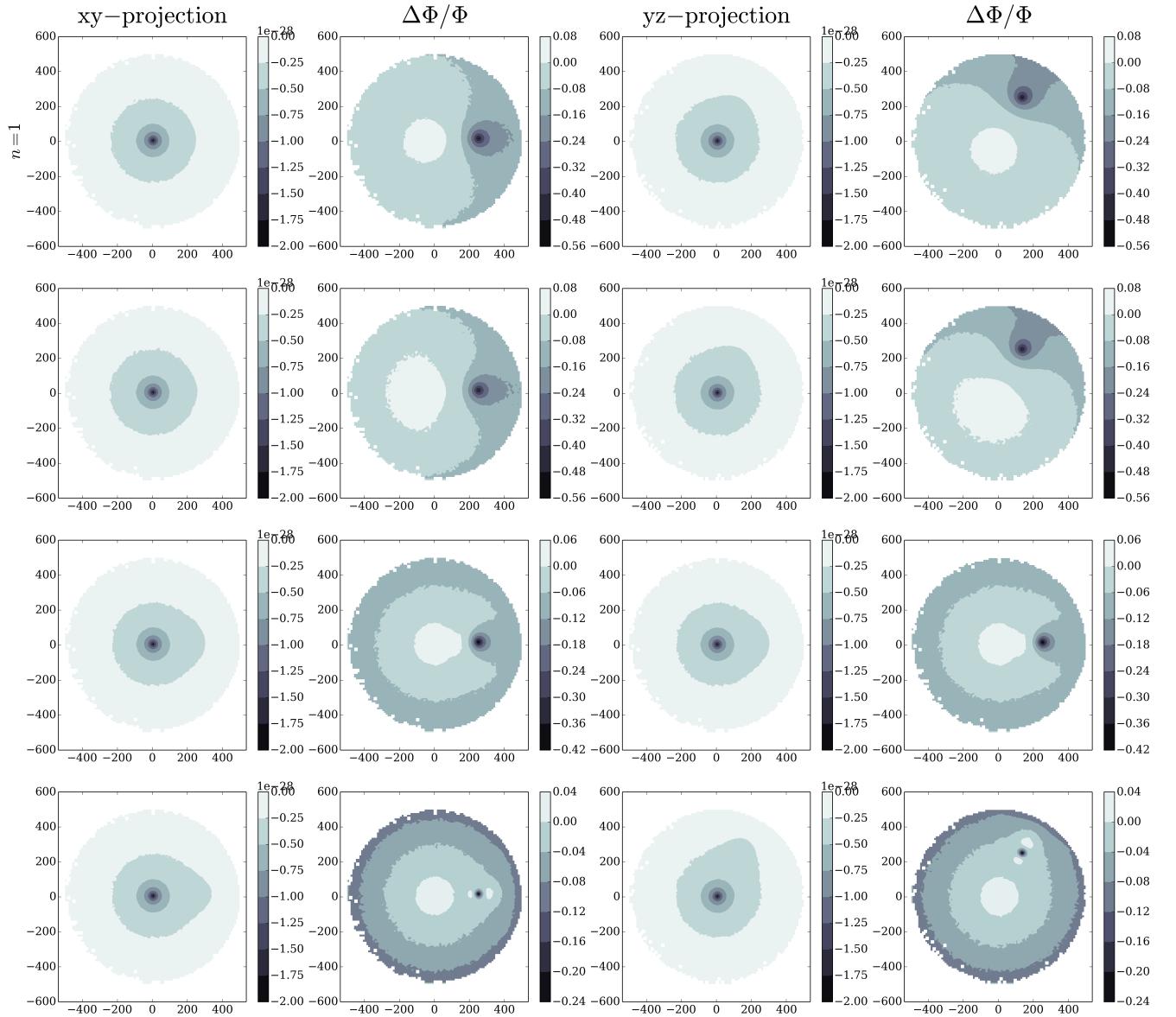




1.2 LMC + MW

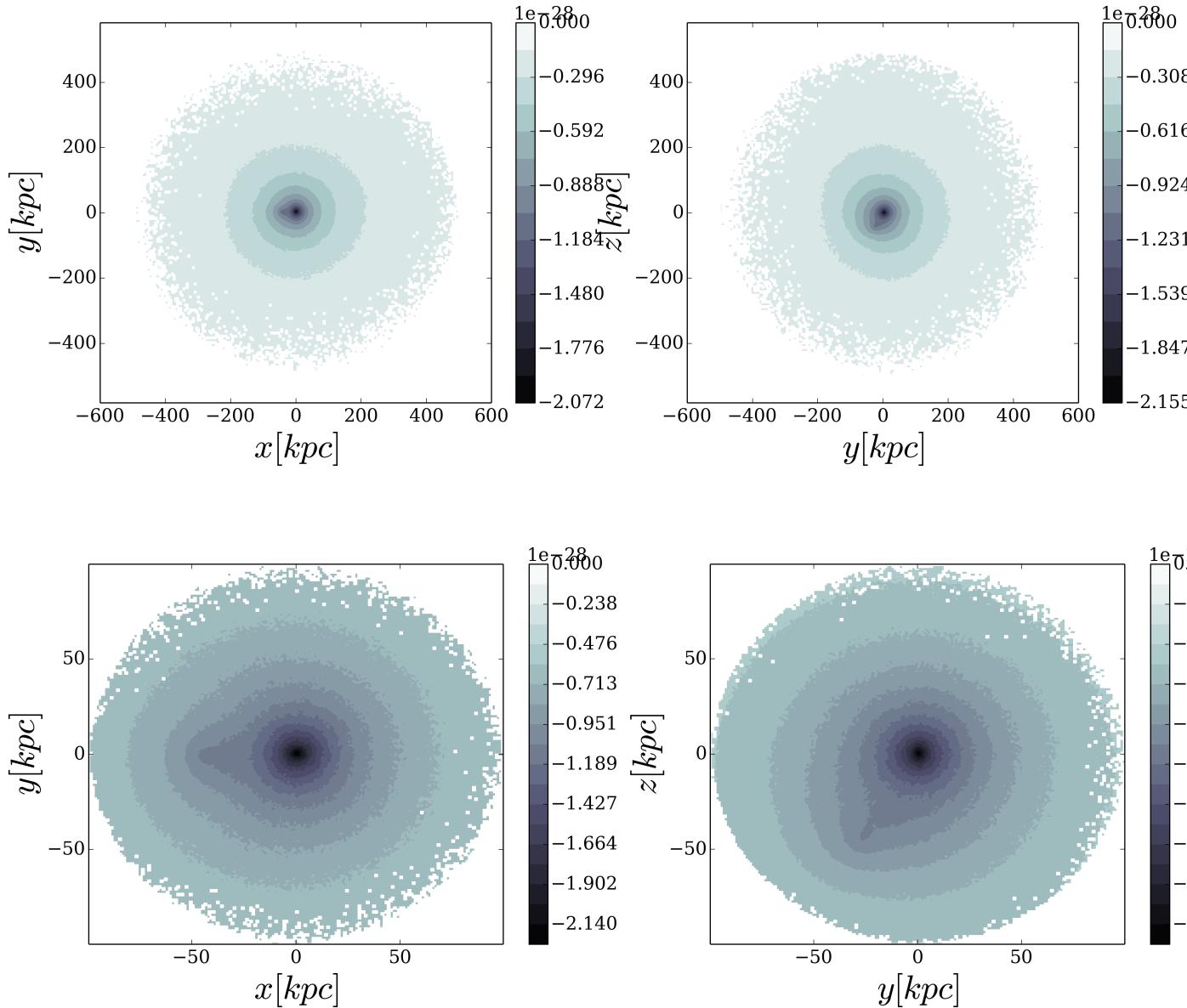
Potential of the $MW + LMC$ at $t = 0$



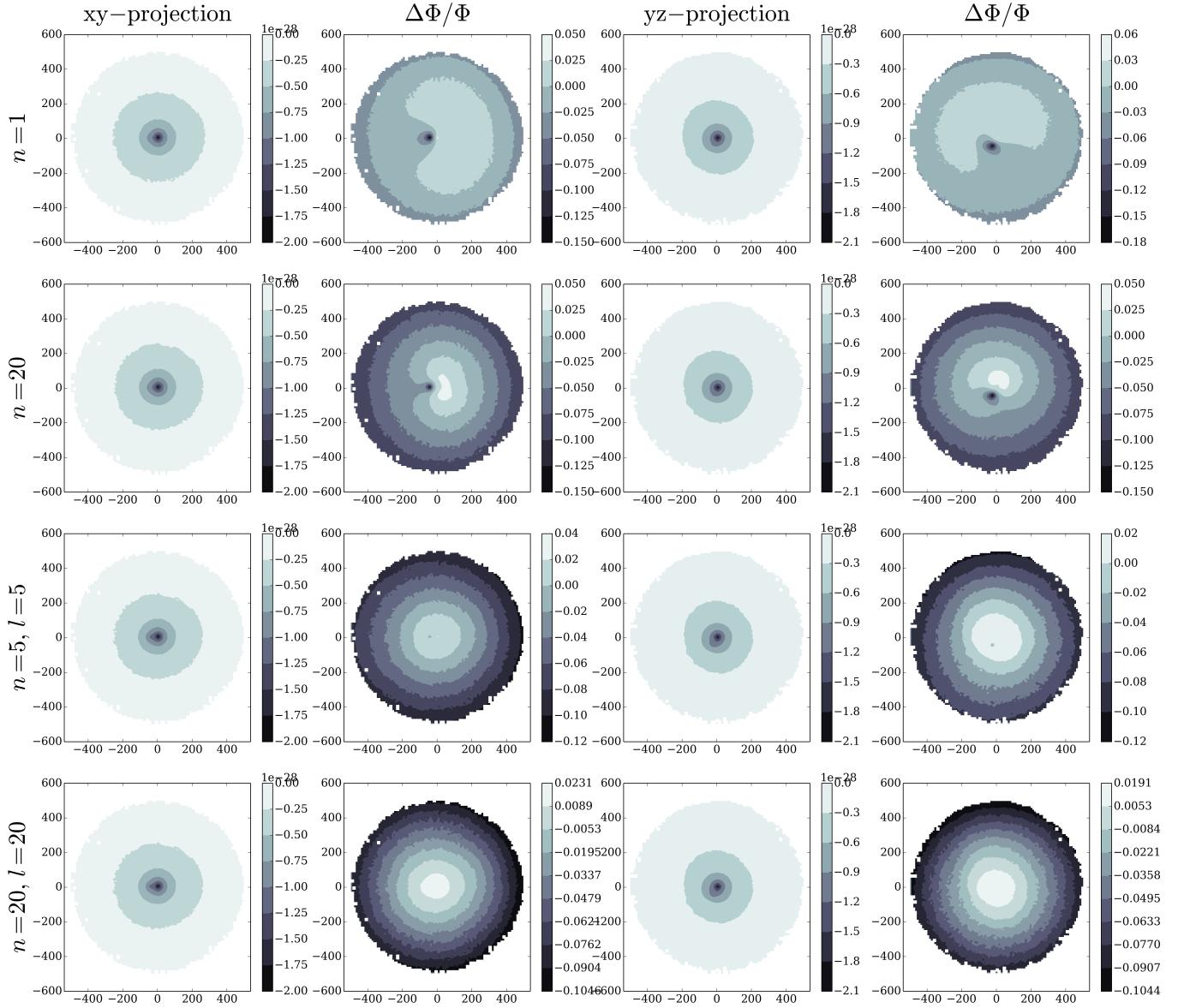


Potential of the $MW + LMC$ at the present.

From the N-body simulations:



Comparison with the SCF method:



1.3 LMC + MW evolving in time

