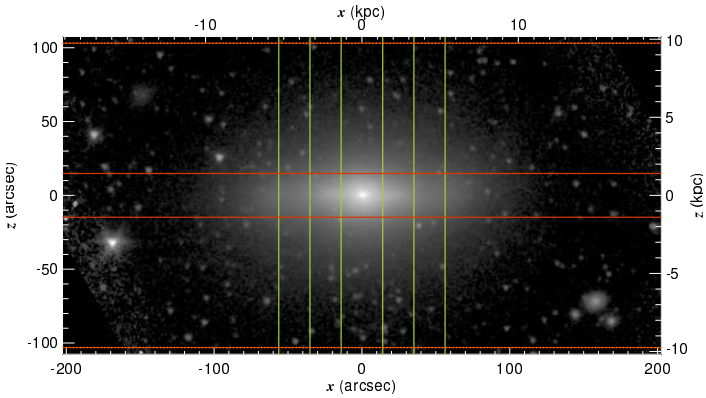
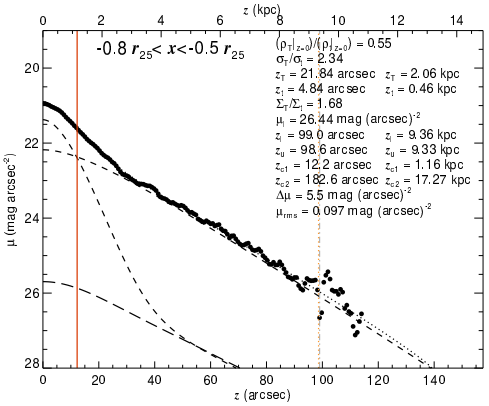
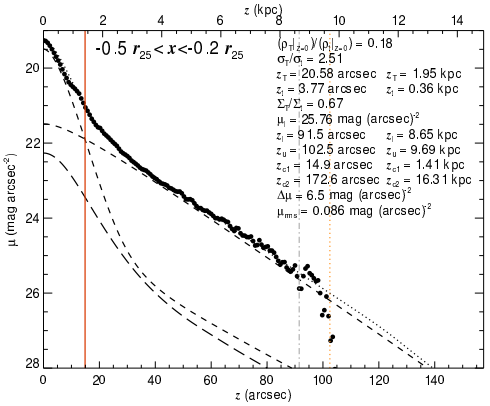
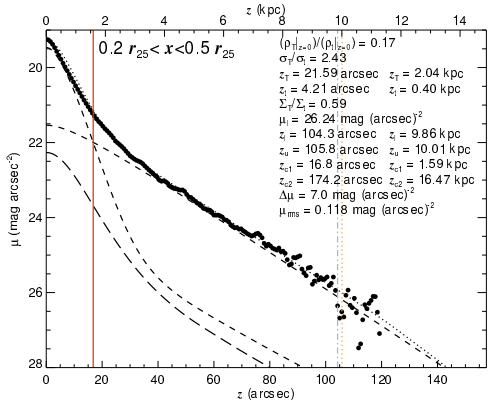


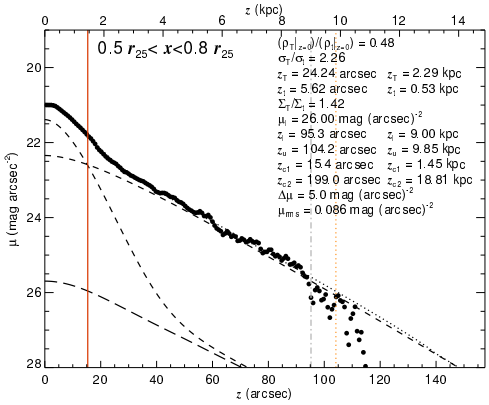
NGC 4251

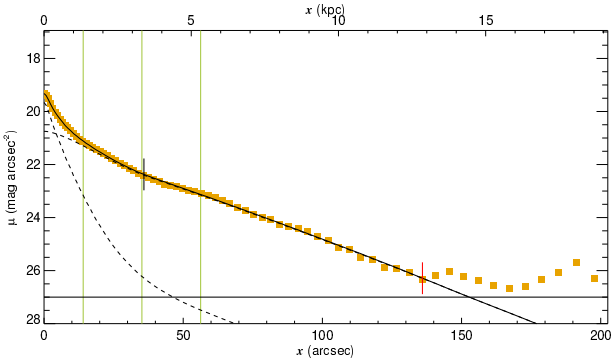
RA (J2000.0)	$12^{h}18^{m}08\overset{s}{.}25$
Dec (J2000.0)	$+28°10'31\overset{''}{.}4$
r_{25}	$70\overset{''}{.}3$
PA	97°6
$M_{3.6\mu m}$(AB)	-21.012
d	19.50 Mpc (2)
v_c	134 km s^{-1} (19)
Mean z_{c1}	$14\overset{''}{.}8$
Mean z_{c2}	$103\overset{''}{.}1$
Mean z_u	$103\overset{''}{.}1$

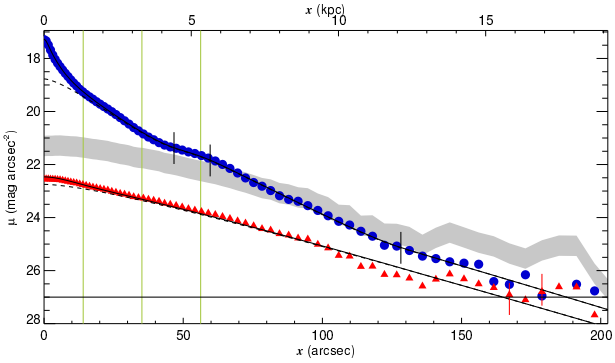












CMC properties
$r_{CMC} = 0\overset{''}{.}77$
$n = 1.64$

Total profile
Type III
$h_1 = 12\overset{''}{.}9$
$h_2 = 24\overset{''}{.}2$
$r_{12} = 35\overset{''}{.}9$

Thin disc profile
Type III+II+III
$h_1 = 12\overset{''}{.}1$
$h_2 = 47\overset{''}{.}6$
$h_3 = 18\overset{''}{.}6$
$h_4 = 31\overset{''}{.}8$
$r_{12} = 46\overset{''}{.}7$
$r_{23} = 59\overset{''}{.}7$
$r_{34} = 128\overset{''}{.}2$

Thick disc profile
Type I
$h_1 = 32\overset{''}{.}9$

Component masses
$\mathcal{M}_g \sim 0$
$\mathcal{M}_t = 15.00 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 12.19 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} = 14.31 \times 10^9\ \mathcal{M}_\odot$

Disc scale-heights
$z_t = 4\overset{''}{.}6$
$z_T = 22\overset{''}{.}1$