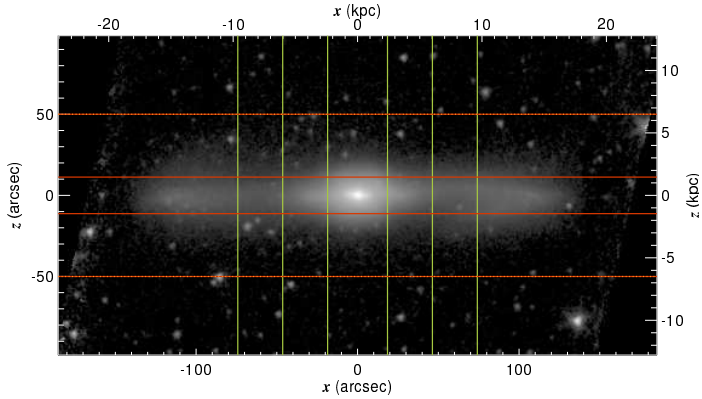
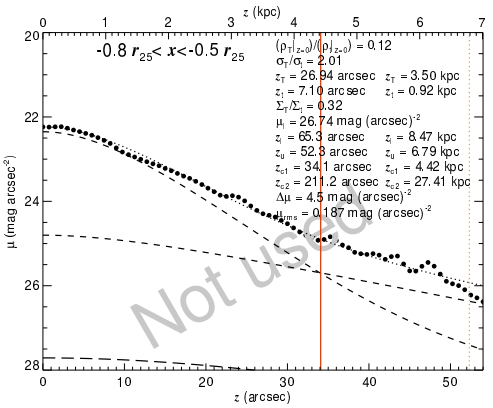
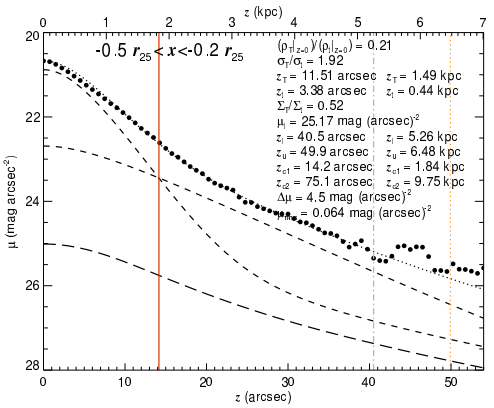
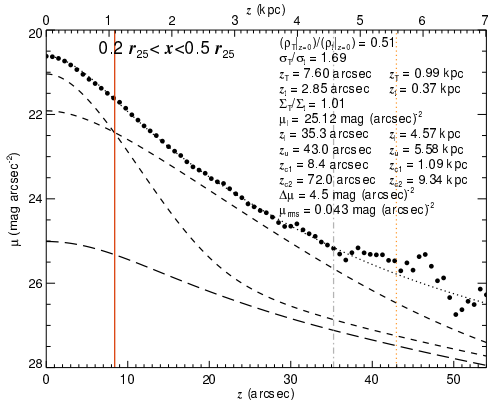


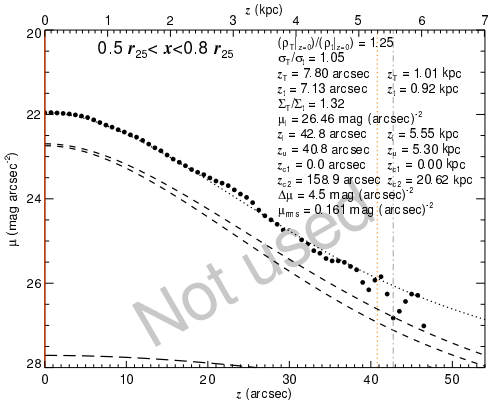
NGC 678

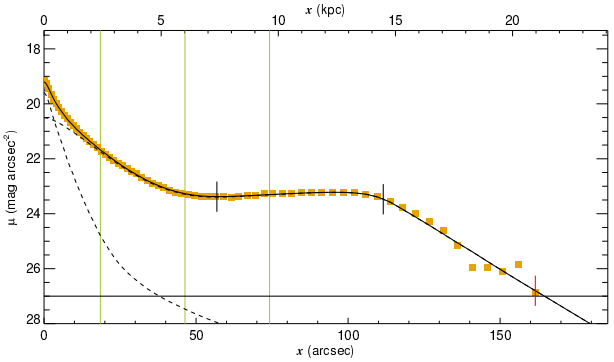
RA (J2000.0)	$01^{h}49^{m}24\overset{s}{.}86$
Dec (J2000.0)	$+21°59'50\overset{''}{.}3$
r_{25}	$92\overset{''}{.}7$
PA	$77°.4$
$M_{3.6\mu m}$(AB)	-20.970
d	26.77 Mpc (4)
v_c	196 km s^{-1} (4)
Mean z_{c1}	$11\overset{''}{.}3$
Mean z_{c2}	$50\overset{''}{.}0$
Mean z_u	$50\overset{''}{.}0$

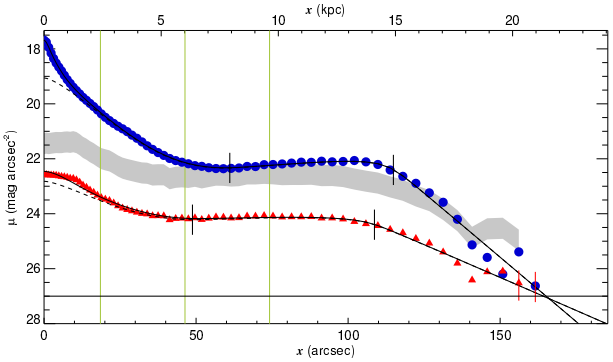












CMC properties
$r_{CMC} = 0\overset{''}{.}84$
$n = 1.49$

Total profile	Thin disc profile	Thick disc profile
Type III+II	Type III+II	Type III+II
$h_1 = 9\overset{''}{.}0$	$h_1 = 9\overset{''}{.}3$	$h_1 = 12\overset{''}{.}1$
$h_2 = -30\overset{''}{.}9$	$h_2 = -27\overset{''}{.}5$	$h_2 = -52\overset{''}{.}9$
$h_3 = 14\overset{''}{.}7$	$h_3 = 11\overset{''}{.}2$	$h_3 = 21\overset{''}{.}3$
$r_{12} = 56\overset{''}{.}8$	$r_{12} = 61\overset{''}{.}1$	$r_{12} = 48\overset{''}{.}8$
$r_{23} = 111\overset{''}{.}6$	$r_{23} = 114\overset{''}{.}9$	$r_{23} = 108\overset{''}{.}7$

Component masses
$\mathcal{M}_g = 4.31 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_t = 15.74 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 11.52 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} = 12.41 \times 10^9\ \mathcal{M}_\odot$

Disc scale-heights
$z_t = 3\overset{''}{.}1$
$z_T = 9\overset{''}{.}6$