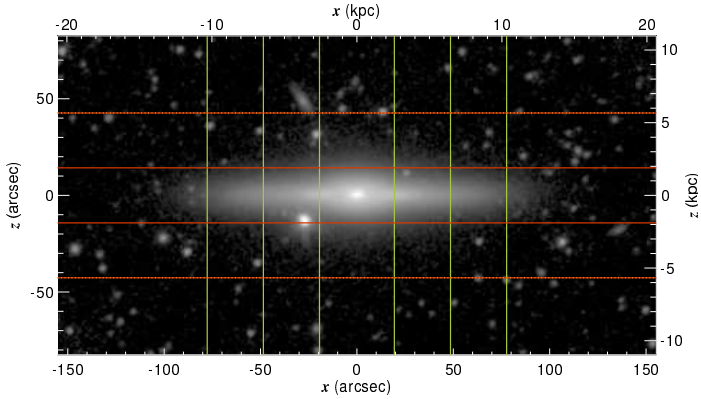
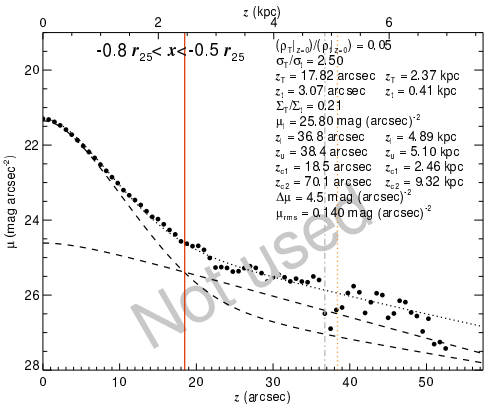
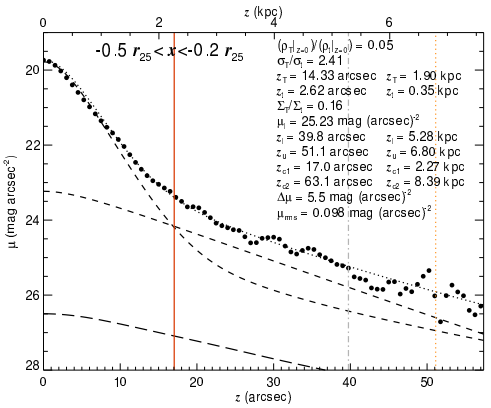
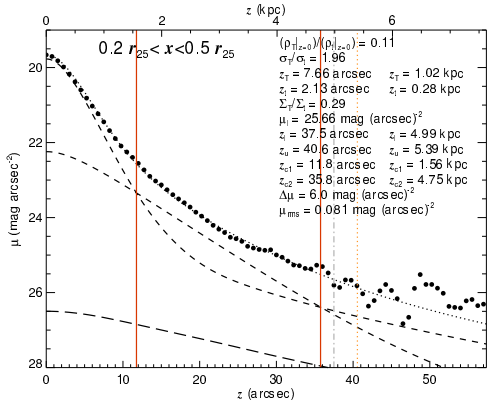


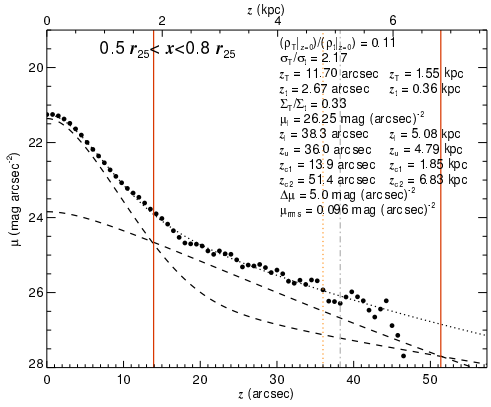
NGC 3957

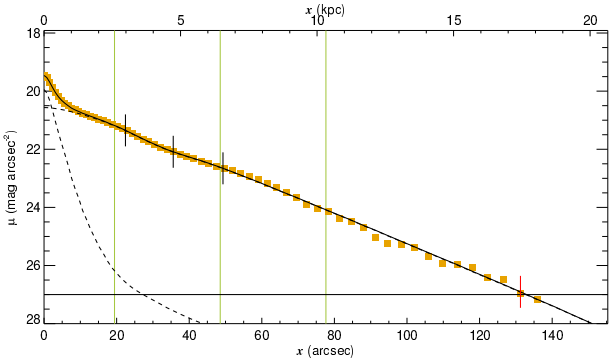
RA (J2000.0)	$11^{h}54^{m}01\overset{s}{.}51$
Dec (J2000.0)	$-19°34'08\overset{''}{.}0$
r_{25}	$97\overset{''}{.}1$
PA	173°3
$M_{3.6\mu m}$(AB)	-20.835
d	27.42 Mpc (2)
v_c	170 km s^{-1} (16)
Mean z_{c1}	$14\overset{''}{.}2$
Mean z_{c2}	$42\overset{''}{.}6$
Mean z_u	$42\overset{''}{.}6$

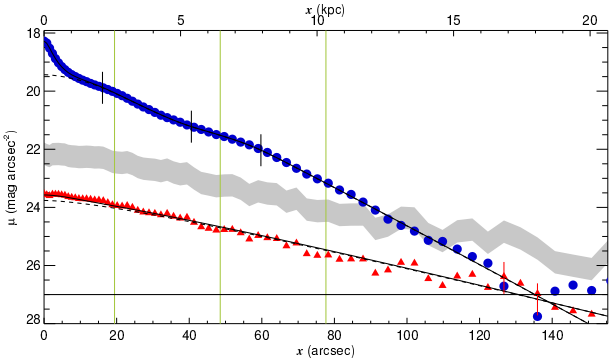












CMC properties
r_{CMC} = $1\overset{''}{.}13$
n = 1.20

Total profile
Type II+III+II
h_1 = $20\overset{''}{.}0$
h_2 = $10\overset{''}{.}8$
h_3 = $28\overset{''}{.}6$
h_4 = $18\overset{''}{.}4$
r_{12} = $22\overset{''}{.}4$
r_{23} = $35\overset{''}{.}6$
r_{34} = $49\overset{''}{.}3$

Thin disc profile
Type II+III+II
h_1 = $28\overset{''}{.}5$
h_2 = $12\overset{''}{.}9$
h_3 = $31\overset{''}{.}7$
h_4 = $15\overset{''}{.}2$
r_{12} = $16\overset{''}{.}1$
r_{23} = $40\overset{''}{.}6$
r_{34} = $59\overset{''}{.}7$

Thick disc profile
Type I
h_1 = $32\overset{''}{.}8$

Component masses
$\mathcal{M}_g \sim 0$
$\mathcal{M}_t = 21.71 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 5.09 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} = 6.68 \times 10^9\ \mathcal{M}_\odot$

Disc scale-heights
z_t = $2\overset{''}{.}5$
z_T = $11\overset{''}{.}2$