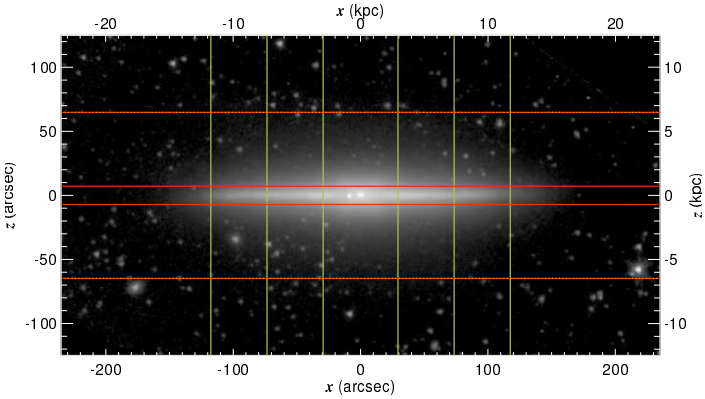
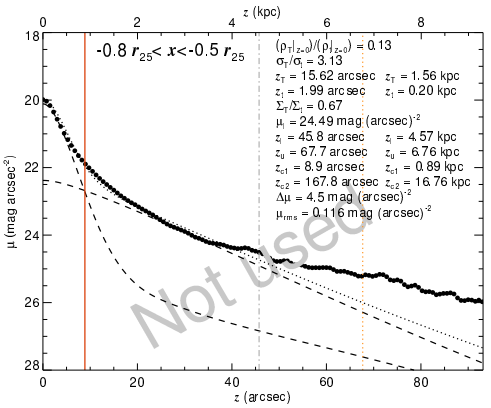
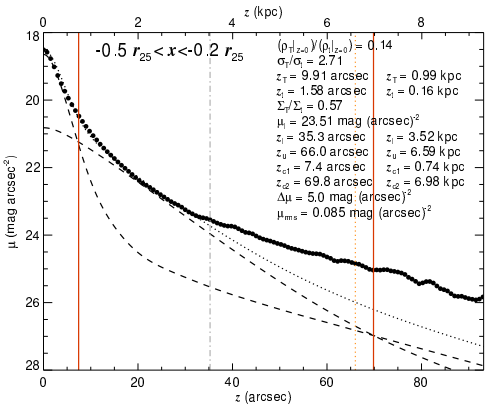
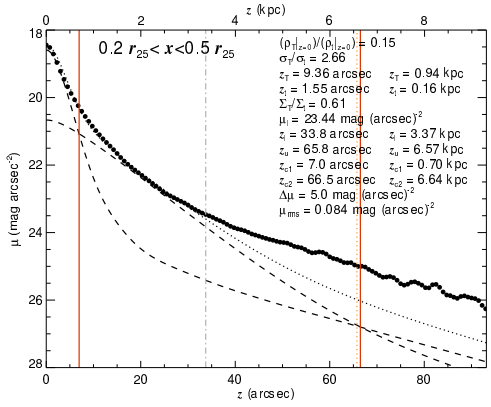
NGC 4013

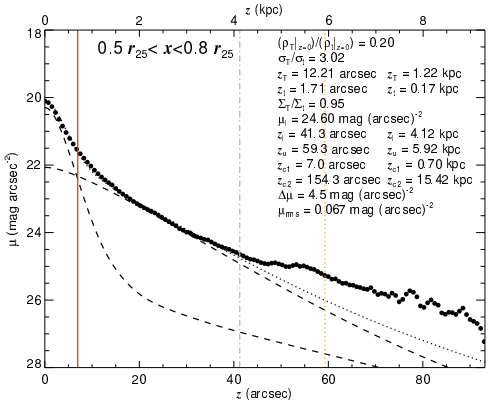


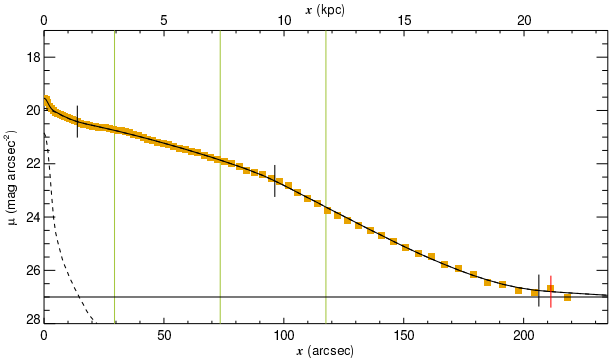
RA (J2000.0)	$11^{h}58^{m}31\overset{s}{.}38$
Dec (J2000.0)	$+43°56'47\overset{''}{.}7$
r_{25}	$146\overset{''}{.}9$
PA	65°1
$M_{3.6\mu m}$(AB)	-21.505
d	20.61 Mpc (2)
v_c	194 km s^{-1} (3)
Mean z_{c1}	$7\overset{''}{.}1$
Mean z_{c2}	$64\overset{''}{.}8$
Mean z_u	$64\overset{''}{.}8$

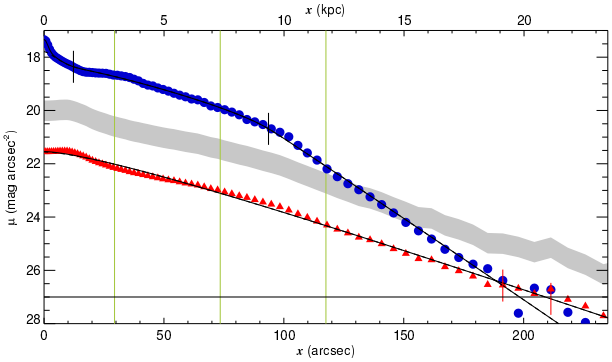












CMC properties
r_{CMC} = 1$\overset{''}{.}$53
n = 0.49

Total profile Type III+II+III
h_1 = 7$\overset{''}{.}$6
h_2 = 35$\overset{''}{.}$3
h_3 = 20$\overset{''}{.}$5
h_4 = 169$\overset{''}{.}$8
r_{12} = 13$\overset{''}{.}$9
r_{23} = 96$\overset{''}{.}$2
r_{34} = 206$\overset{''}{.}$3

Thin disc profile Type III+II
h_1 = 6$\overset{''}{.}$2
h_2 = 35$\overset{''}{.}$2
h_3 = 17$\overset{''}{.}$0
r_{12} = 12$\overset{''}{.}$3
r_{23} = 93$\overset{''}{.}$6

Thick disc profile Type I
h_1 = 33$\overset{''}{.}$7

Component masses
$\mathcal{M}_g = 7.43 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_t = 37.39 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 23.52 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} = 1.70 \times 10^9\ \mathcal{M}_\odot$

Disc scale-heights
z_t = 1$\overset{''}{.}$6
z_T = 10$\overset{''}{.}$5