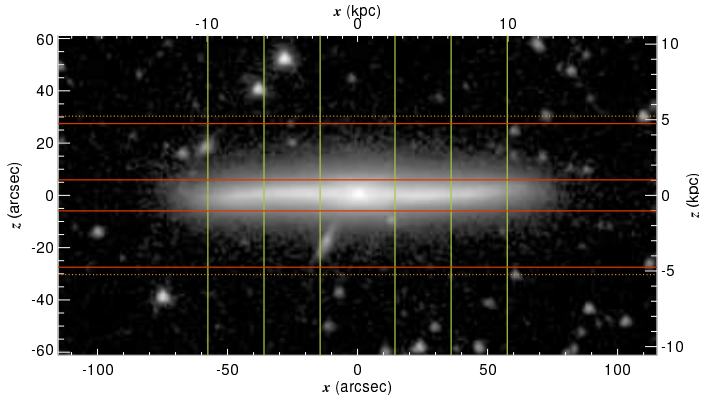
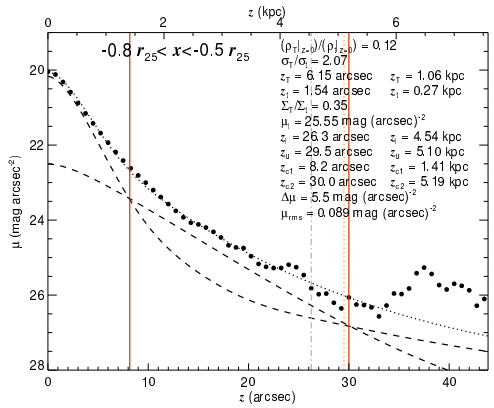
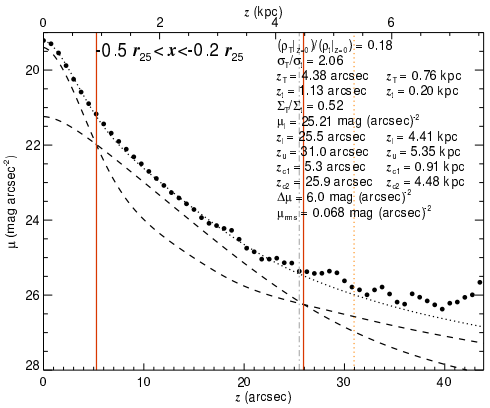
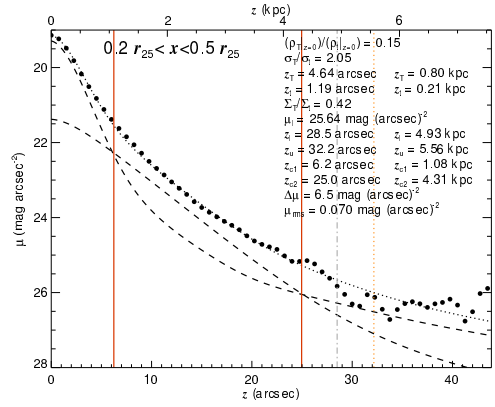


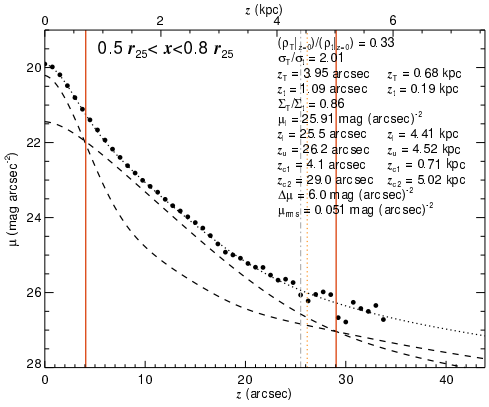
NGC 522

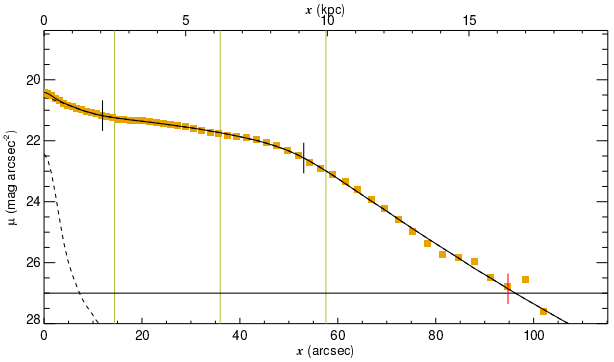
RA (J2000.0)	$01^{h}24^{m}45\overset{s}{.}85$
Dec (J2000.0)	+09°59′40″.7
r_{25}	72″.0
PA	32°.9
$M_{3.6\mu m}$(AB)	-20.785
d	35.65 Mpc (2)
v_c	189 km s^{-1} (3)
Mean z_{c1}	5″.9
Mean z_{c2}	27″.5
Mean z_u	30″.3

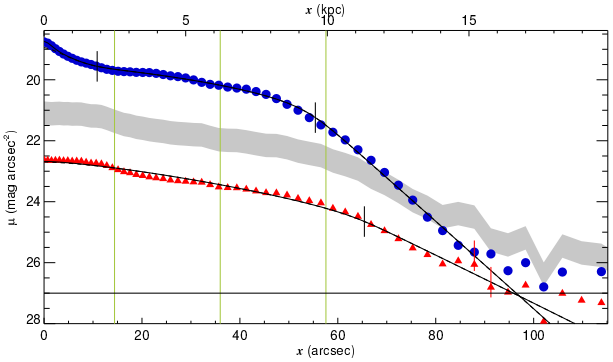












CMC properties
r_{CMC} = 1″.05
n = 0.82

Total profile Type III+II
h_1 = 5″.5
h_2 = 49″.8
h_3 = 9″.0
r_{12} = 11″.9
r_{23} = 53″.0

Thin disc profile Type III+II
h_1 = 5″.1
h_2 = 42″.9
h_3 = 7″.3
r_{12} = 10″.9
r_{23} = 55″.4

Thick disc profile Type II
h_1 = 32″.0
h_2 = 12″.9
r_{12} = 65″.4

Component masses
$\mathcal{M}_g = 0.90 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_t = 20.92 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_T = 10.45 \times 10^9\ \mathcal{M}_\odot$
$\mathcal{M}_{CMC} = 0.56 \times 10^9\ \mathcal{M}_\odot$

Disc scale-heights
z_t = 1″.2
z_T = 4″.8