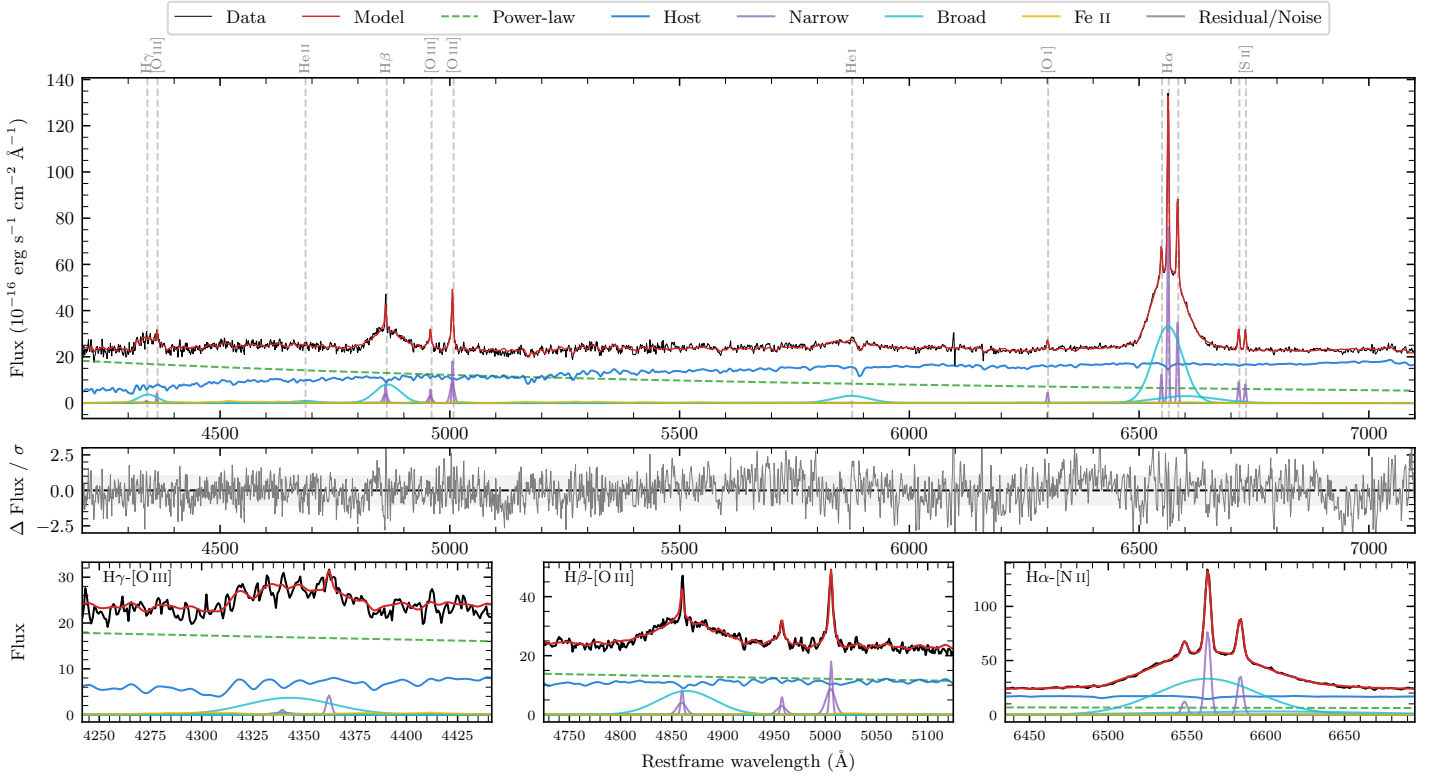
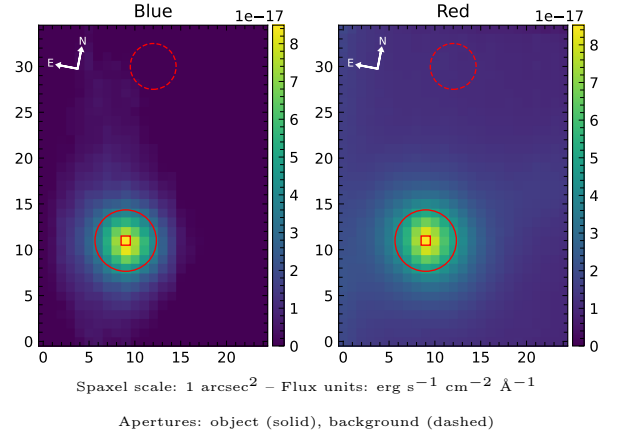


MCG-01-59-027

Spectrum ID	8493273_sp1	Spectrum type	Sy 1.2
Alt name	g2330323-022745	Quality flag	good
z	0.0327	AGN reference	6dFGS
RA, Dec	352.6347, -2.4625	MW $E(B-V)$	0.044
MJD	59026.72	Power law α_ν	0.33 ± 0.11
SNR/ \AA B/R	19.1/36.0	$\log L_{5100, \text{AGN}}$	43.18 ± 0.02
Obs airmass	1.29	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.54 ± 0.02
SMSS ID	8493273	$\log M_{L5100}/M_\odot$	7.74 ± 0.03
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	7.57 ± 0.02
SMSS $\langle r_6'' \text{ ap} \rangle$	15.17 ± 0.15	$\log M_{\text{H}\beta}/M_\odot$	7.65 ± 0.04
2MASS K_{ext}	10.33 ± 0.05	$\log M_{[\text{O III}]} / M_\odot$	7.52 ± 0.05



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	39.35 ± 0.33	261 ± 63	223 ± 27	0.52 ± 0.28
Hγ Broad	40.73 ± 0.05	3295 ± 207	1262 ± 36	12.44 ± 0.70
[O III] 4364	39.53 ± 0.14	203 ± 62	83 ± 25	0.80 ± 0.16
He II Narrow	38.85 ± 0.40	203 ± 62	83 ± 25	0.19 ± 0.14
He II Broad	40.21 ± 0.11	3968 ± 116	1685 ± 48	4.55 ± 0.69
H β Narrow	40.29 ± 0.04	261 ± 63	223 ± 27	5.93 ± 0.30
Hβ Broad	41.17 ± 0.01	3943 ± 85	1482 ± 30	44.66 ± 0.76
[O III] 5007	40.63 ± 0.02	261 ± 63	223 ± 27	13.87 ± 0.32
He I Narrow	—	—	—	—
He I Broad	40.91 ± 0.02	4744 ± 85	2015 ± 35	38.30 ± 0.85
[O I] 6300	39.72 ± 0.05	203 ± 62	83 ± 25	2.89 ± 0.20
H α Narrow	40.97 ± 0.01	203 ± 62	83 ± 25	56.36 ± 0.27
Hα Broad	41.92 ± 0.01	3588 ± 64	1445 ± 27	506.32 ± 1.36
[N II] 6585	40.64 ± 0.01	203 ± 62	83 ± 25	26.68 ± 0.25
[S II] 6718	40.06 ± 0.02	203 ± 62	83 ± 25	7.44 ± 0.24
[S II] 6732	40.00 ± 0.03	203 ± 62	83 ± 25	6.41 ± 0.24

Emission Summary

H α broad SNR	28.46
H β broad SNR	6.58
H γ broad SNR	3.25
AGN frac	0.51
Host frac	0.49
$\log L_{5100, \text{Host}}$	43.15
Fe II/H β	0.24
Fe II/[O III]	0.82

Quality Flags

spurious_hab/hbb	0/0
15100	0
balmer	0
balmer_snr	0
hb_width	0
balmer_width	0