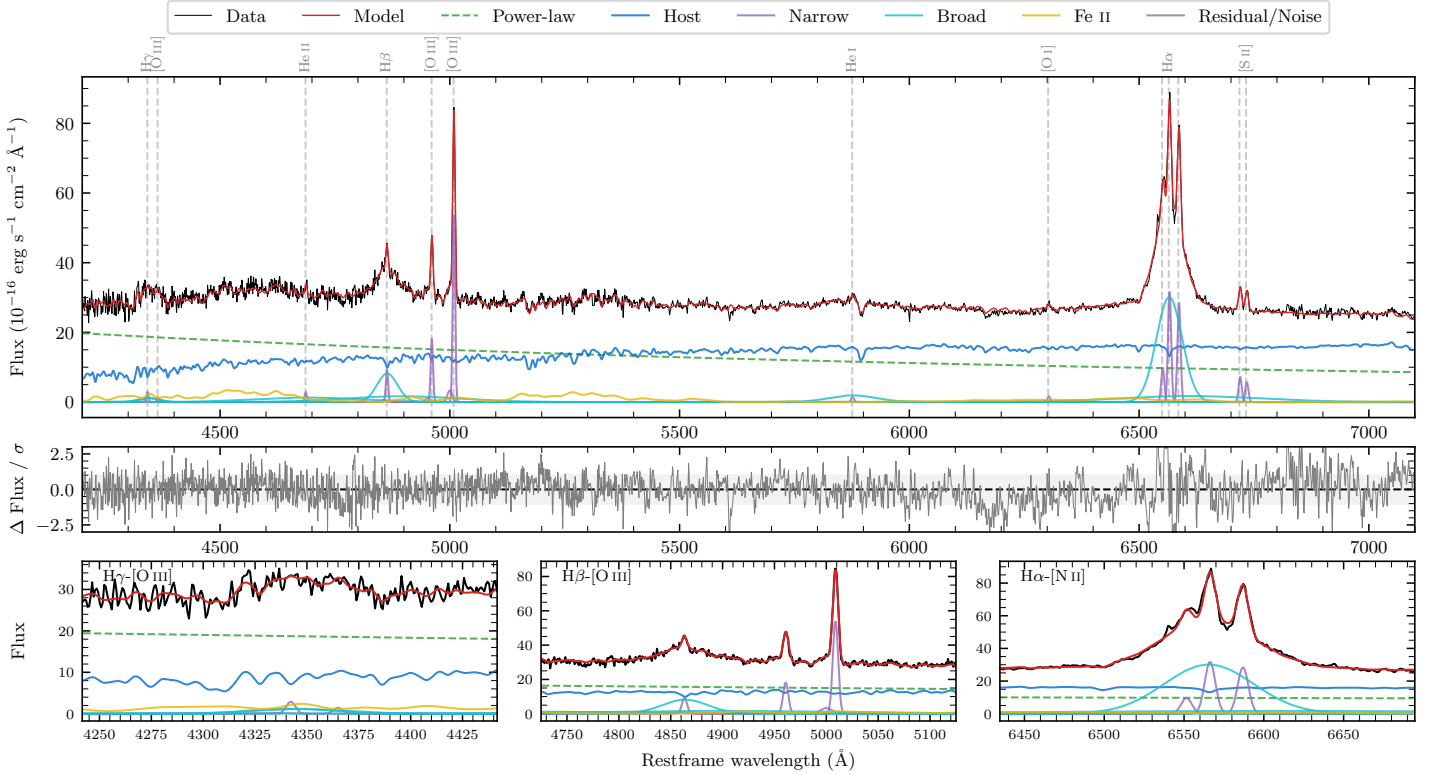
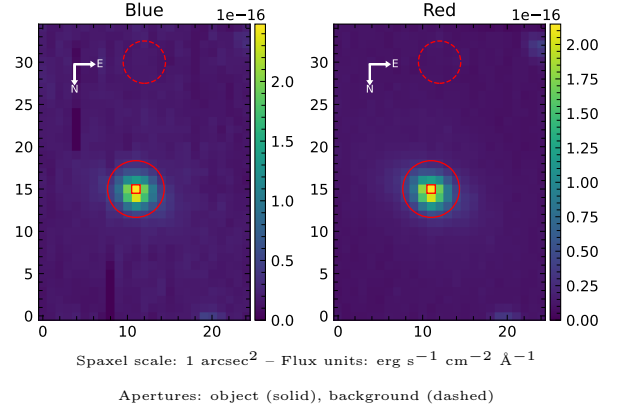


APMBGC 470+065-016

Spectrum ID	2933254_sp1	Spectrum type	Sy 1.5
Alt name	g2320098-293130	Quality flag	good
z	0.0504	AGN reference	6dFGS
RA, Dec	350.0407, -29.5250	MW $E(B-V)$	0.027
MJD	60254.45	Power law α_ν	-0.41 ± 0.16
SNR/ \AA B/R	23.6/40.0	$\log L_{5100, \text{AGN}}$	43.65 ± 0.02
Obs airmass	1.01	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.06 ± 0.18
SMSS ID	2933254	$\log M_{L5100}/M_\odot$	7.76 ± 0.02
Neighbour	None $< 15''$	$\log M_{H\alpha}/M_\odot$	7.65 ± 0.02
SMSS $\langle r_6 \rangle_{\text{ap}}$	15.38 ± 0.05	$\log M_{H\beta}/M_\odot$	7.60 ± 0.09
2MASS K_{ext}	11.21 ± 0.05	$\log M_{[\text{O III}]} / M_\odot$	7.72 ± 0.02



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	40.06 ± 0.17	371 ± 63	249 ± 28	1.02 ± 0.27
Hγ Broad	40.91 ± 0.08	3441 ± 138	1292 ± 50	6.98 ± 0.64
[O III] 4364	39.71 ± 0.30	362 ± 63	153 ± 25	0.46 ± 0.20
He II Narrow	40.03 ± 0.12	362 ± 63	153 ± 25	1.09 ± 0.20
He II Broad	—	—	—	—
H β Narrow	40.61 ± 0.04	371 ± 63	249 ± 28	4.36 ± 0.28
Hβ Broad	$41.46^{+0.33}_{-0.02}$	3208 ± 53	1195 ± 28	30.55 ± 0.61
[O III] 5007	41.39 ± 0.01	371 ± 63	249 ± 28	27.66 ± 0.31
He I Narrow	39.86 ± 0.12	362 ± 63	153 ± 25	1.04 ± 0.17
He I Broad	41.19 ± 0.03	6090 ± 79	2586 ± 33	22.33 ± 0.75
[O I] 6300	39.93 ± 0.09	362 ± 63	153 ± 25	1.36 ± 0.17
H α Narrow	41.23 ± 0.01	362 ± 63	153 ± 25	29.05 ± 0.30
Hα Broad	42.24 ± 0.01	3131 ± 64	1643 ± 39	301.93 ± 1.35
[N II] 6585	41.18 ± 0.01	362 ± 63	153 ± 25	26.09 ± 0.28
[S II] 6718	40.59 ± 0.02	362 ± 63	153 ± 25	6.97 ± 0.22
[S II] 6732	40.49 ± 0.03	362 ± 63	153 ± 25	5.57 ± 0.21

Emission Summary

H α broad SNR	24.70
H β broad SNR	6.39
H γ broad SNR	1.89
AGN frac	0.54
Host frac	0.46
$\log L_{5100, \text{Host}}$	43.58
Fe II/H β	—
Fe II/[O III]	—

Quality Flags

spurious_hab/hbb	0/1
15100	0
balmer	0
balmer_snr	1
hb_width	0
balmer_width	0