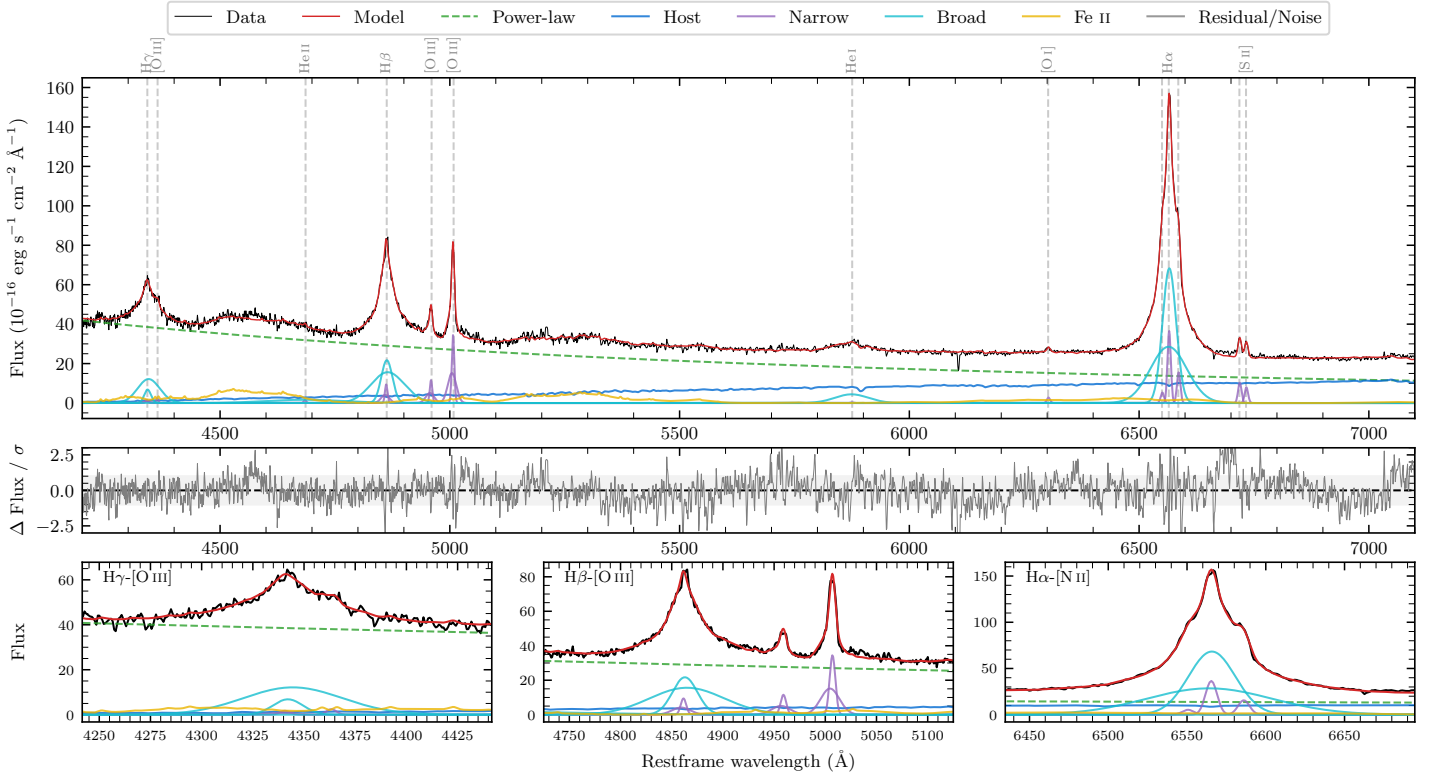
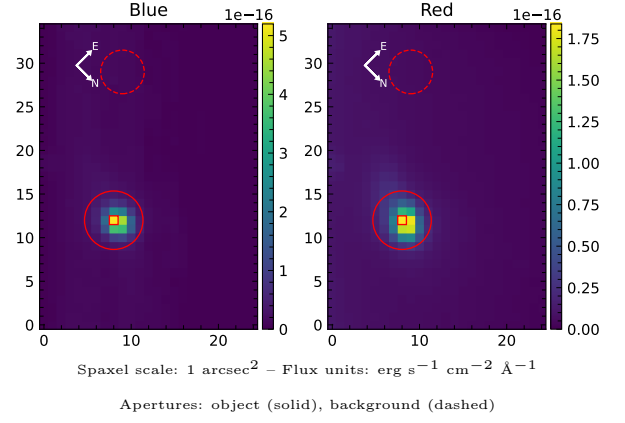


ESO 443-5

Spectrum ID	98109150_sp1	Spectrum type	Sy 1.2
Alt name	g1254248-282632	Quality flag	good
z	0.0695	AGN reference	6dFGS
RA, Dec	193.6034, -28.4421	MW $E(B-V)$	0.053
MJD	59019.48	Power law α_ν	0.49 ± 0.01
SNR/ \AA B/R	21.9/29.9	$\log L_{5100, \text{AGN}}$	44.19 ± 0.01
Obs airmass	1.16	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.55 ± 0.01
SMSS ID	98109150	$\log M_{L5100}/M_\odot$	7.80 ± 0.03
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	7.61 ± 0.04
SMSS $\langle r_6 \rangle_{\text{ap}}$	15.43 ± 0.11	$\log M_{\text{H}\beta}/M_\odot$	7.83 ± 0.03
2MASS K_{ext}	11.57 ± 0.05	$\log M_{[\text{O III}]} / M_\odot$	7.75 ± 0.03



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	40.51 ± 0.35	503 ± 63	436 ± 29	0.71 ± 0.23
Hγ Broad	42.04 ± 0.02	2530 ± 321	1276 ± 38	23.95 ± 0.44
[O III] 4364	40.27 ± 0.24	396 ± 63	167 ± 25	0.42 ± 0.13
He II Narrow	40.12 ± 0.26	396 ± 63	167 ± 25	0.35 ± 0.14
He II Broad	41.65 ± 0.06	12742 ± 147	5411 ± 62	11.79 ± 0.88
H β Narrow	41.30 ± 0.06	503 ± 63	437 ± 29	5.78 ± 0.29
Hβ Broad	42.43 ± 0.01	2541 ± 88	1461 ± 33	76.94 ± 0.59
[O III] 5007	41.87 ± 0.01	503 ± 63	437 ± 29	23.33 ± 0.32
He I Narrow	39.60 ± 0.39	396 ± 63	167 ± 25	0.18 ± 0.13
He I Broad	41.71 ± 0.02	4343 ± 90	1844 ± 37	23.63 ± 0.48
[O I] 6300	40.49 ± 0.06	396 ± 63	167 ± 25	1.71 ± 0.16
H α Narrow	41.63 ± 0.01	396 ± 63	167 ± 25	26.05 ± 0.28
Hα Broad	42.83 ± 0.01	1974 ± 64	1005 ± 25	419.87 ± 0.72
[N II] 6585	41.26 ± 0.02	396 ± 63	167 ± 25	11.26 ± 0.24
[S II] 6718	41.09 ± 0.02	396 ± 63	167 ± 25	8.00 ± 0.23
[S II] 6732	40.98 ± 0.02	396 ± 63	167 ± 25	6.23 ± 0.24

Emission Summary

H α broad SNR	59.35
H β broad SNR	22.78
H γ broad SNR	11.64
AGN frac	0.86
Host frac	0.14
$\log L_{5100, \text{Host}}$	43.41
Fe II/H β	0.67
Fe II/[O III]	2.36

Quality Flags

spurious_hab/hbb	0/0
15100	2
balmer	0
balmer_snr	0
hb_width	1
balmer_width	0