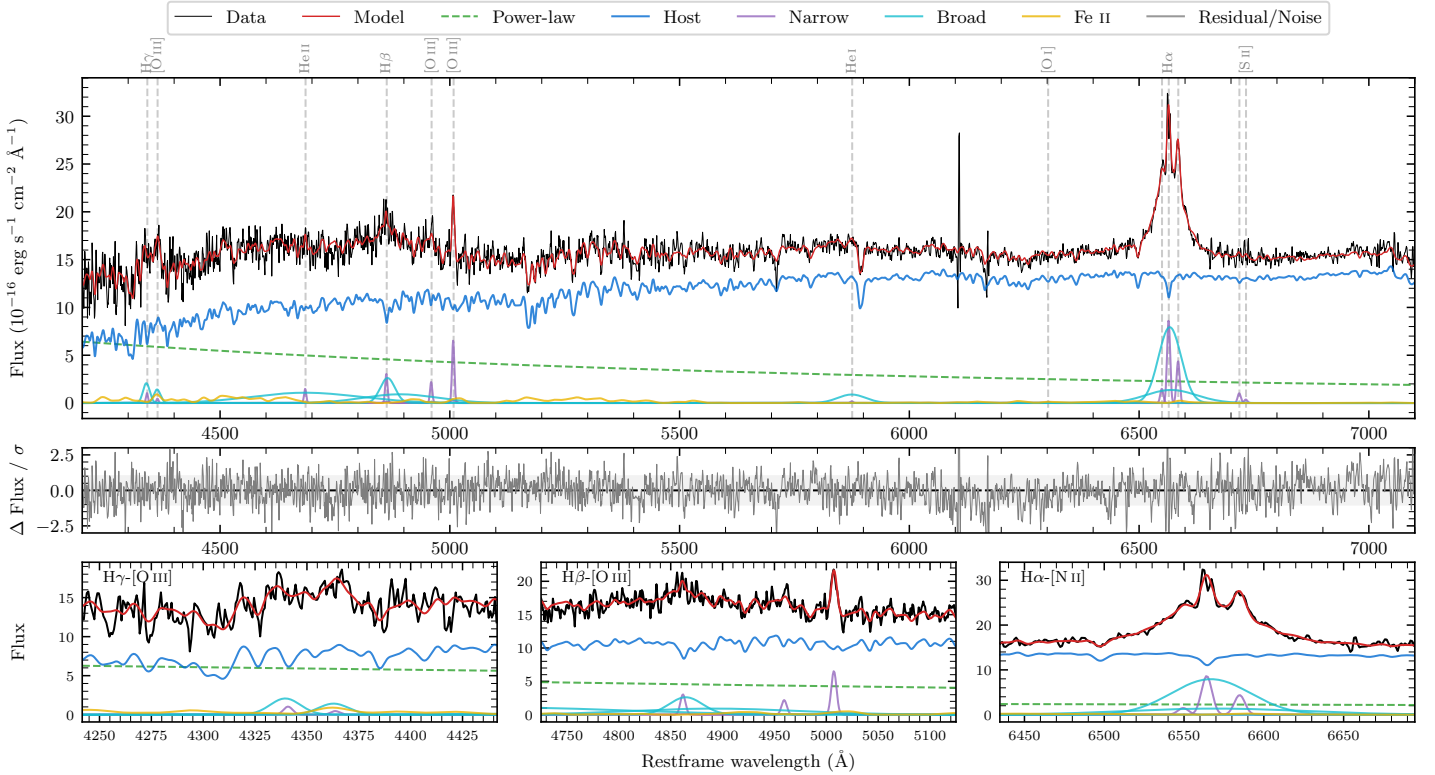
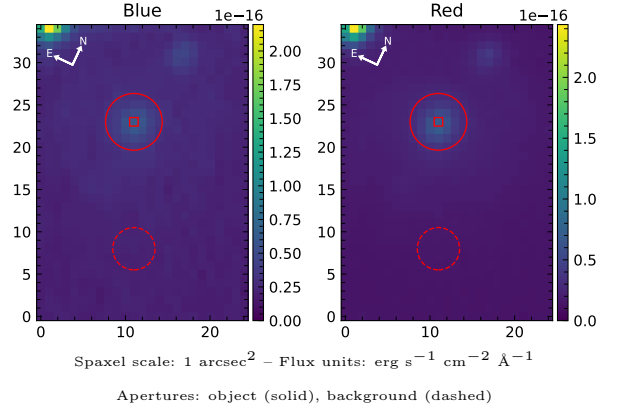


ESO 337-8

Spectrum ID	211838425_sp1	Spectrum type	Sy 1.0
Alt name	g1902376-375847	Quality flag	good
z	0.0315	AGN reference	6dFGS
RA, Dec	285.6567, -37.9797	MW $E(B-V)$	0.214
MJD	60524.5	Power law α_ν	0.33 ± 0.14
SNR/ \AA B/R	16.3/29.2	$\log L_{5100, \text{AGN}}$	42.68 ± 0.03
Obs airmass	1.01	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.79 ± 0.06
SMSS ID	211838425	$\log M_{L5100}/M_\odot$	7.26 ± 0.06
Neighbour	8.6", 2309480833	$\log M_{\text{H}\alpha}/M_\odot$	6.94 ± 0.04
SMSS $\langle r_{6''}^{\text{ap}} \rangle$	16.24 ± 0.07	$\log M_{\text{H}\beta}/M_\odot$	7.23 ± 0.07
2MASS K_{ext}	10.99 ± 0.07	$\log M_{[\text{O III}]} / M_\odot$	6.97 ± 0.08



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	39.19 ± 0.39	366 ± 64	183 ± 36	1.09 ± 0.69
Hγ Broad	40.18 ± 0.10	—	845 ± 34	11.12 ± 1.03
[O III] 4364	—	—	—	—
He II Narrow	39.32 ± 0.20	359 ± 63	151 ± 25	1.84 ± 0.50
He II Broad	40.88 ± 0.04	17660 ± 62	7500 ± 25	66.02 ± 3.58
H β Narrow	39.71 ± 0.10	366 ± 64	183 ± 36	4.69 ± 0.95
Hβ Broad	40.84 ± 0.04	2895 ± 163	2837 ± 120	66.23 ± 2.94
[O III] 5007	40.04 ± 0.04	366 ± 64	183 ± 36	11.10 ± 0.76
He I Narrow	—	—	—	—
He I Broad	40.21 ± 0.06	3631 ± 64	1542 ± 26	23.68 ± 1.74
[O I] 6300	—	—	—	—
H α Narrow	40.23 ± 0.02	359 ± 63	151 ± 25	32.72 ± 0.76
Hα Broad	41.21 ± 0.01	2886 ± 73	1207 ± 39	309.22 ± 2.90
[N II] 6585	39.94 ± 0.04	359 ± 63	151 ± 25	16.76 ± 0.73
[S II] 6718	39.31 ± 0.13	359 ± 63	151 ± 25	4.18 ± 0.75
[S II] 6732	38.87 ± 0.31	359 ± 63	151 ± 25	1.51 ± 0.73

Emission Summary

H α broad SNR	9.46
H β broad SNR	3.54
H γ broad SNR	2.20
AGN frac	0.28
Host frac	0.72
$\log L_{5100, \text{Host}}$	43.08
Fe II/H β	0.51
Fe II/[O III]	3.21

Quality Flags

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