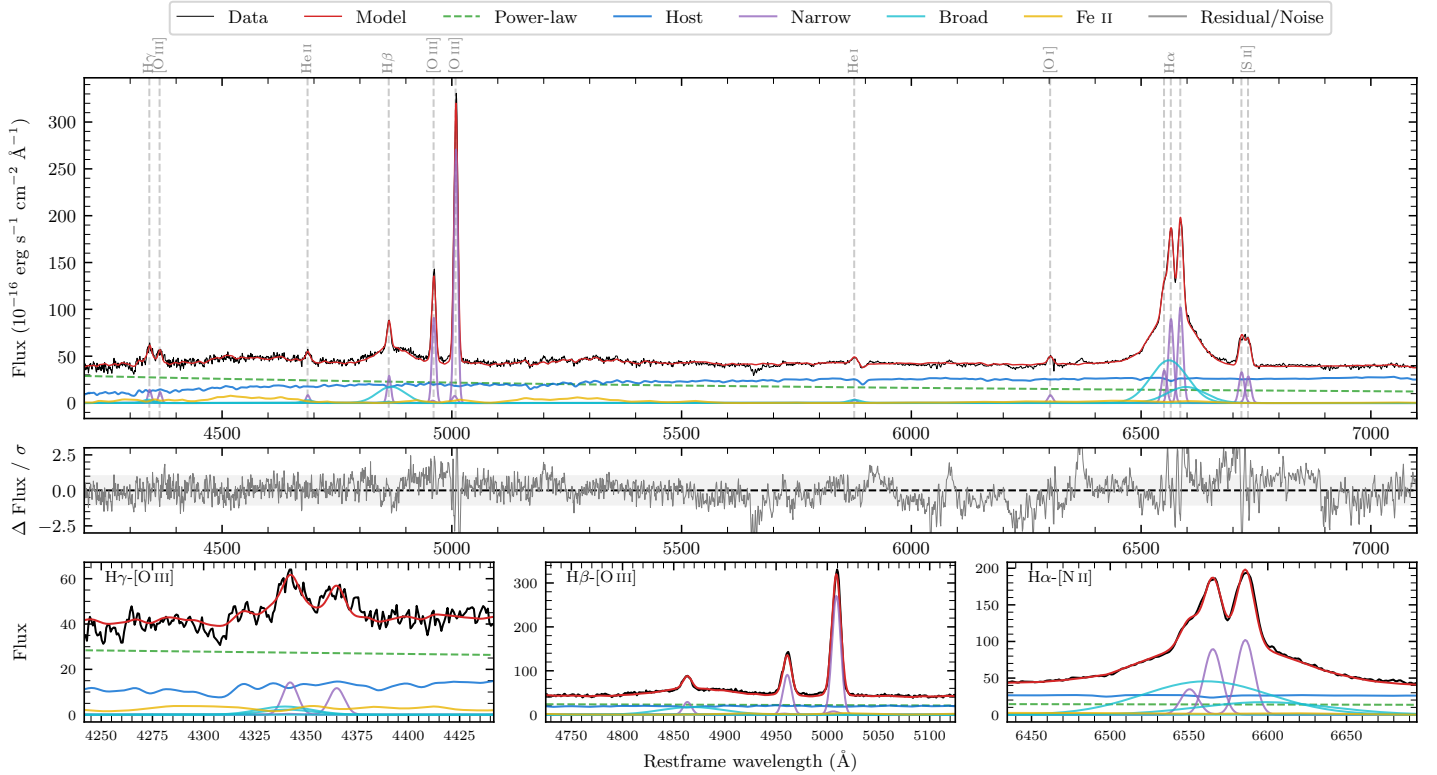
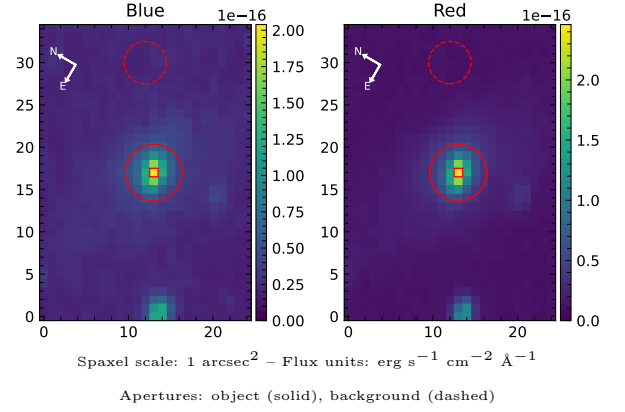


ESO 209–12

Spectrum ID	467114720_sp1	Spectrum type	Sy 1.5
Alt name	g0801580–494642	Quality flag	good
z	0.0404	AGN reference	6dFGS
RA, Dec	120.4915, –49.7784	MW $E(B - V)$	0.225
MJD	60286.69	Power law α_ν	-0.37 ± 0.26
SNR/ \AA B/R	13.6/25.4	$\log L_{5100, \text{AGN}}$	43.61 ± 0.05
Obs airmass	1.06	$\log H\beta_{\text{Br}}/[\text{O III}]$	-0.33 ± 0.11
SMSS ID	467114720	$\log M_{L5100}/M_\odot$	8.00 ± 0.29
Neighbour	7.8", 2666234809	$\log M_{\text{H}\alpha}/M_\odot$	8.10 ± 0.04
SMSS $\langle r_{6''}^{\text{ap}} \rangle$	15.17 ± 0.06	$\log M_{\text{H}\beta}/M_\odot$	7.98 ± 0.30
2MASS K_{ext}	10.09 ± 0.03	$\log M_{[\text{O III}]} / M_\odot$	8.31 ± 0.29



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	40.75 ± 0.12	606 ± 63	261 ± 26	5.20 ± 0.51
Hγ Broad	40.93 ± 0.24	1929 ± 596	775 ± 416	7.04 ± 0.95
[O III] 4364	40.63 ± 0.12	601 ± 63	255 ± 25	4.19 ± 0.48
He II Narrow	40.52 ± 0.13	601 ± 63	255 ± 25	3.63 ± 0.47
He II Broad	40.77 ± 0.28	1764 ± 1701	749 ± 722	3.92 ± 0.76
H β Narrow	41.09 ± 0.08	606 ± 63	261 ± 26	14.26 ± 0.50
Hβ Broad	41.74 ± 0.11	4305 ± 1473	1614 ± 586	63.32 ± 1.27
[O III] 5007	42.07 ± 0.01	606 ± 63	261 ± 26	143.55 ± 0.59
He I Narrow	40.27 ± 0.15	601 ± 63	255 ± 25	2.93 ± 0.36
He I Broad	40.72 ± 0.28	1701 ± 1110	722 ± 471	7.46 ± 0.60
[O I] 6300	40.65 ± 0.04	601 ± 63	255 ± 25	7.84 ± 0.49
H α Narrow	41.69 ± 0.02	601 ± 63	255 ± 25	93.52 ± 0.72
Hα Broad	42.41 ± 0.01	4690 ± 193	1739 ± 96	474.01 ± 1.50
[N II] 6585	41.75 ± 0.02	601 ± 63	255 ± 25	107.30 ± 0.74
[S II] 6718	41.27 ± 0.02	601 ± 63	255 ± 25	36.39 ± 0.53
[S II] 6732	41.21 ± 0.02	601 ± 63	255 ± 25	31.84 ± 0.51

Emission Summary

H α broad SNR	17.15
H β broad SNR	5.46
H γ broad SNR	1.91
AGN frac	0.52
Host frac	0.47
$\log L_{5100, \text{Host}}$	43.57
Fe II/H β	1.10
Fe II/[O III]	0.51

Quality Flags

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