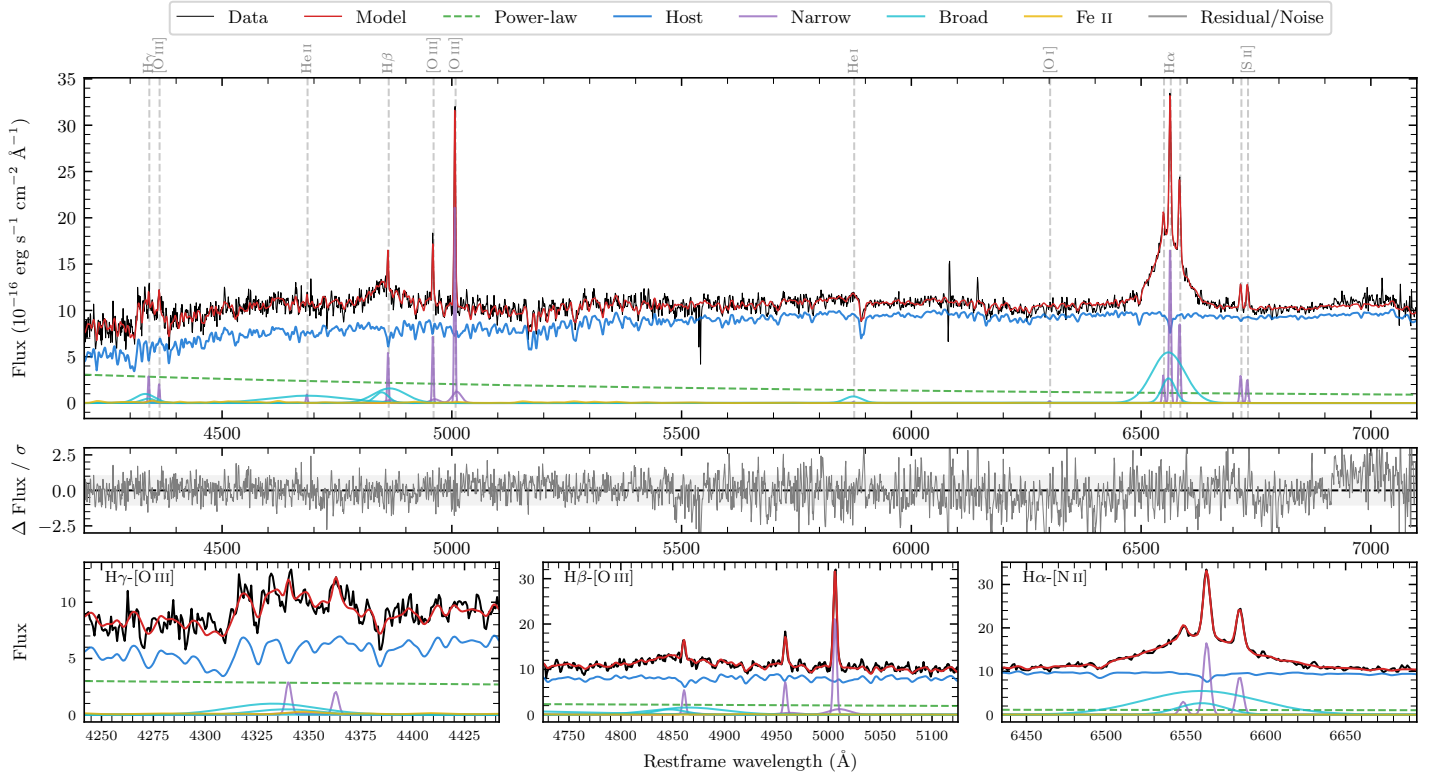
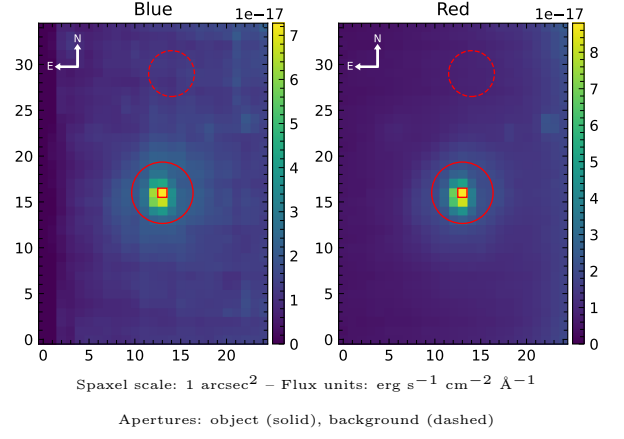


LEDA 149138

Spectrum ID	28620687_sp1	Spectrum type	Sy 1.5
Alt name	g0643397-412030	Quality flag	good
z	0.0356	AGN reference	6dFGS
RA, Dec	100.9155, -41.3417	MW $E(B - V)$	0.102
MJD	60018.42	Power law α_ν	0.33 ± 0.14
SNR/ \AA B/R	13.0/30.4	$\log L_{5100, \text{AGN}}$	42.47 ± 0.04
Obs airmass	1.03	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.20 ± 0.04
SMSS ID	28620687	$\log M_{L5100}/M_\odot$	7.42 ± 0.10
Neighbour	12.1", 1036084107	$\log M_{\text{H}\alpha}/M_\odot$	6.96 ± 0.04
SMSS $\langle r_{6''} \text{ap} \rangle$	16.56 ± 0.04	$\log M_{\text{H}\beta}/M_\odot$	7.45 ± 0.11
2MASS K_{ext}	12.42 ± 0.12	$\log M_{[\text{O III}]} / M_\odot$	7.47 ± 0.11



Emission Line Measurements

Line	$\log L$ (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (\AA)
H γ Narrow	39.63 ± 0.14	239 ± 63	338 ± 36	5.03 ± 1.65
Hγ Broad	40.35 ± 0.09	3093 ± 272	1148 ± 77	25.34 ± 2.77
[O III] 4364	39.35 ± 0.17	232 ± 63	96 ± 25	2.64 ± 0.68
He II Narrow	39.03 ± 0.28	232 ± 63	96 ± 25	1.51 ± 0.66
He II Broad	40.72 ± 0.05	12732 ± 88	5407 ± 36	73.26 ± 5.09
H β Narrow	39.95 ± 0.05	239 ± 63	338 ± 36	13.69 ± 1.62
Hβ Broad	40.76 ± 0.03	3868 ± 436	1683 ± 66	86.88 ± 3.27
[O III] 5007	40.56 ± 0.02	239 ± 63	338 ± 36	59.59 ± 1.80
He I Narrow	—	—	—	—
He I Broad	40.01 ± 0.05	2212 ± 86	939 ± 36	24.29 ± 1.71
[O I] 6300	38.52 ± 0.36	232 ± 63	96 ± 25	0.92 ± 0.62
H α Narrow	40.44 ± 0.01	232 ± 63	96 ± 25	83.83 ± 0.76
Hα Broad	41.26 ± 0.01	2821 ± 93	1253 ± 25	562.66 ± 3.19
[N II] 6585	40.16 ± 0.01	232 ± 63	96 ± 25	44.65 ± 0.77
[S II] 6718	39.70 ± 0.03	232 ± 63	96 ± 25	16.21 ± 0.80
[S II] 6732	39.62 ± 0.04	232 ± 63	96 ± 25	13.72 ± 0.80

Emission Summary

H α broad SNR	10.40
H β broad SNR	3.31
H γ broad SNR	1.94
AGN frac	0.20
Host frac	0.80
$\log L_{5100, \text{Host}}$	43.06
Fe II/H β	0.20
Fe II/[O III]	0.31

Quality Flags

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