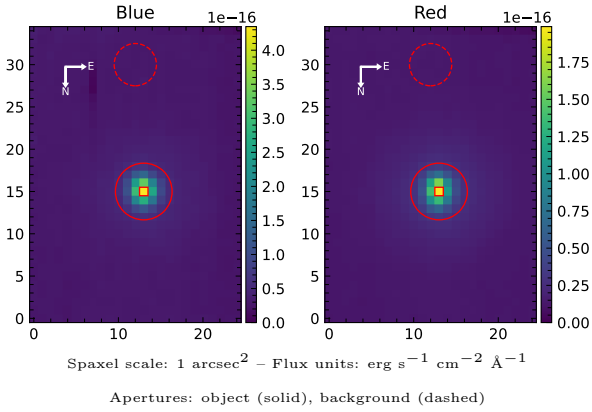
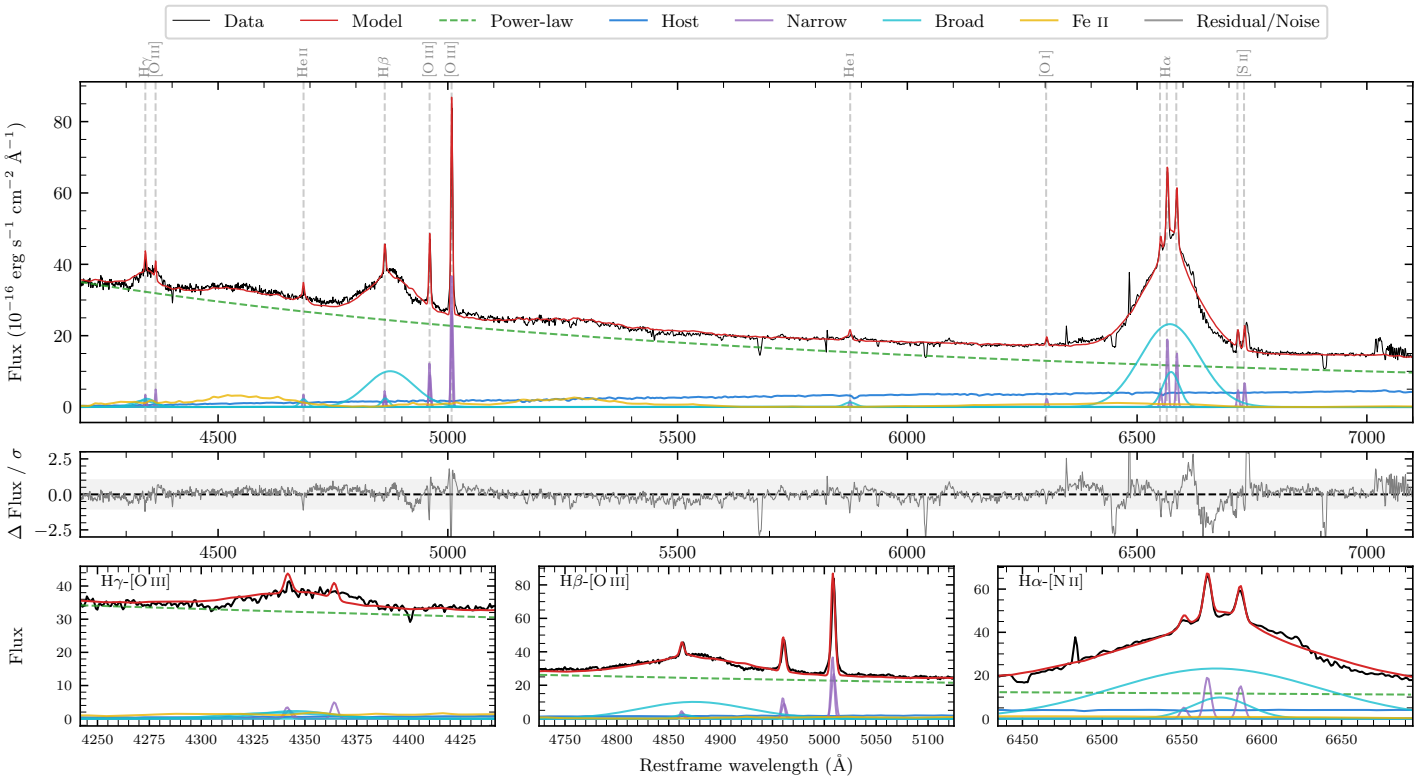
LEDA 194438

Spectrum ID	2492905_sp1
Alt name	g2255519−294415
z	0.0822
RA, Dec	343.9662, −29.7376
MJD	60254.43
SNR/Å B/R	10.4/12.0
Obs airmass	1.00
SMSS ID	2492905
Neighbour	6.6", 2004499154
SMSS $\langle r_{6"\mathrm{ap}} \rangle$	15.58 ± 0.05
2MASS K_{ext}	11.85 ± 0.10

Spectrum type	Sy 1.2
Quality flag	good
AGN reference	6dFGS
MW $E(B-V)$	0.018
Power law α_ν	0.46 ± 0.04
log $L_{5100,\mathrm{AGN}}$	44.27 ± 0.01
log $\mathrm{H}\beta_{\mathrm{Br}}/[\mathrm{O\,III}]$	0.69 ± 0.05
log $M_{\mathrm{L5100}}/M_\odot$	8.63 ± 0.14
log $M_{\mathrm{H}\alpha}/M_\odot$	8.45 ± 0.07
log $M_{\mathrm{H}\beta}/M_\odot$	8.63 ± 0.14
log $M_{[\mathrm{O\,III}]}/M_\odot$	8.47 ± 0.14





Emission Line Measurements

Line	log L (erg s^{-1})	FWHM (km s^{-1})	σ (km s^{-1})	EW (Å)
Hγ Narrow	40.61 ± 0.24	–	166 ± 31	0.80 ± 0.24
Hγ Broad	**41.59 ± 0.10**	**3331 ± 355**	**1255 ± 203**	**6.95 ± 0.86**
[O III] 4364	40.45 ± 0.30	234 ± 95	98 ± 40	0.60 ± 0.21
He II Narrow	40.33 ± 0.37	234 ± 95	98 ± 40	0.55 ± 0.22
He II Broad	**40.99 ± 0.20**	**1287 ± 232**	**546 ± 98**	**1.90 ± 0.50**
Hβ Narrow	40.78 ± 0.21	–	166 ± 31	1.55 ± 0.29
Hβ Broad	**42.40 ± 0.02**	**6421 ± 1062**	**2668 ± 91**	**60.16 ± 1.38**
[O III] 5007	41.70 ± 0.04	–	166 ± 31	14.10 ± 0.32
He I Narrow	40.13 ± 0.37	234 ± 95	98 ± 40	0.61 ± 0.26
He I Broad	**40.89 ± 0.18**	**1510 ± 305**	**641 ± 129**	**2.90 ± 0.67**
[O I] 6300	40.28 ± 0.20	234 ± 95	98 ± 40	0.99 ± 0.26
Hα Narrow	41.28 ± 0.15	234 ± 95	98 ± 40	9.64 ± 0.42
Hα Broad	**42.88 ± 0.02**	**5071 ± 375**	**2356 ± 127**	**390.55 ± 2.03**
[N II] 6585	41.12 ± 0.12	234 ± 95	98 ± 40	7.62 ± 0.41
[S II] 6718	40.61 ± 0.17	234 ± 95	98 ± 40	2.55 ± 0.45
[S II] 6732	40.82 ± 0.19	234 ± 95	98 ± 40	3.70 ± 0.48

Emission Summary

Hα broad SNR	12.12
Hβ broad SNR	4.57
Hγ broad SNR	1.49
AGN frac	0.92
Host frac	0.08
log $L_{5100,\mathrm{Host}}$	43.19
Fe II/Hβ	0.54
Fe II/[O III]	2.48

Quality Flags

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