

Optical spectroscopic atlas of low-redshift AGN : J/ApJS/145/199

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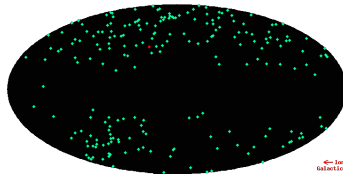
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CDS Keywords : Active gal. nuclei ; QSOs ;
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Observation (OC)



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An optical spectroscopic atlas of low-redshift active galactic nuclei. (2003)

Go to the original article (10.1086/346025) (<https://doi.org/10.1086/346025>)

Keywords : atlases - galaxies active - galaxies: nuclei - quasars: emission lines - quasars: general

Abstract: We present a spectral atlas of the H β region for 215 type 1 AGNs (luminous Seyfert 1/radio galaxy nuclei and low- z quasars) up to $z \sim 0.8$. Line profiles and measures were derived from the database of intermediate resolution spectra ($R \geq 1000$) with average continuum level S/N ratio ~ 30 . Parameters including rest frame equivalent width and FWHM are provided for the FeII_{opt} blend at $\lambda 4570$, H β , HeII $\lambda 4686$, and the [OIII] $\lambda\lambda 4959, 5007$ emission lines. We extract clean broad component H β profiles and provide wavelength measurements at 0, 1/4, 1/2, 3/4, and 0.9 peak intensity levels in order to permit a quantitative definition of the H β broad component for statistical studies. We also discuss ... (more)

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