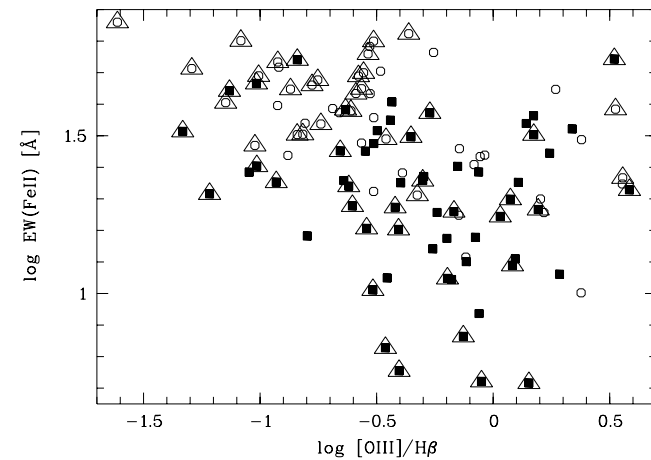
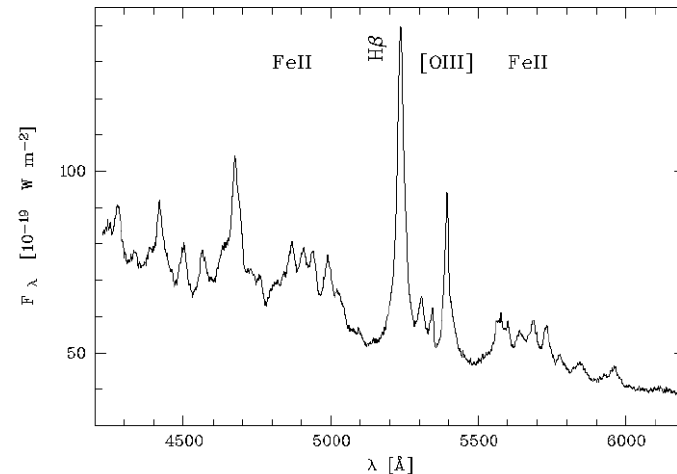


# Narrow Line Seyfert 1 Galaxies

by Dirk Grupe

- NLS1s are AGN with low Black Hole masses and high  $L/L_{\text{edd}}$
- Extreme X-ray variability and spectra
- Possibly AGN in an early stage
- On an extreme end of the Boroson & Green EV-1 relation (1992)
- Anti-correlation between optical FeII and [OIII] emission line strengths.
- Cloudy may help us to better understand the differences between NL and BL Seyfert 1s.
- For example: Starburst vs AGN component



Grupe 2004, AJ