

'The Arnolfini Portrait', by Jan van Eyck, 1434



Spectropolarimetry of the BLR

Rene Goosman

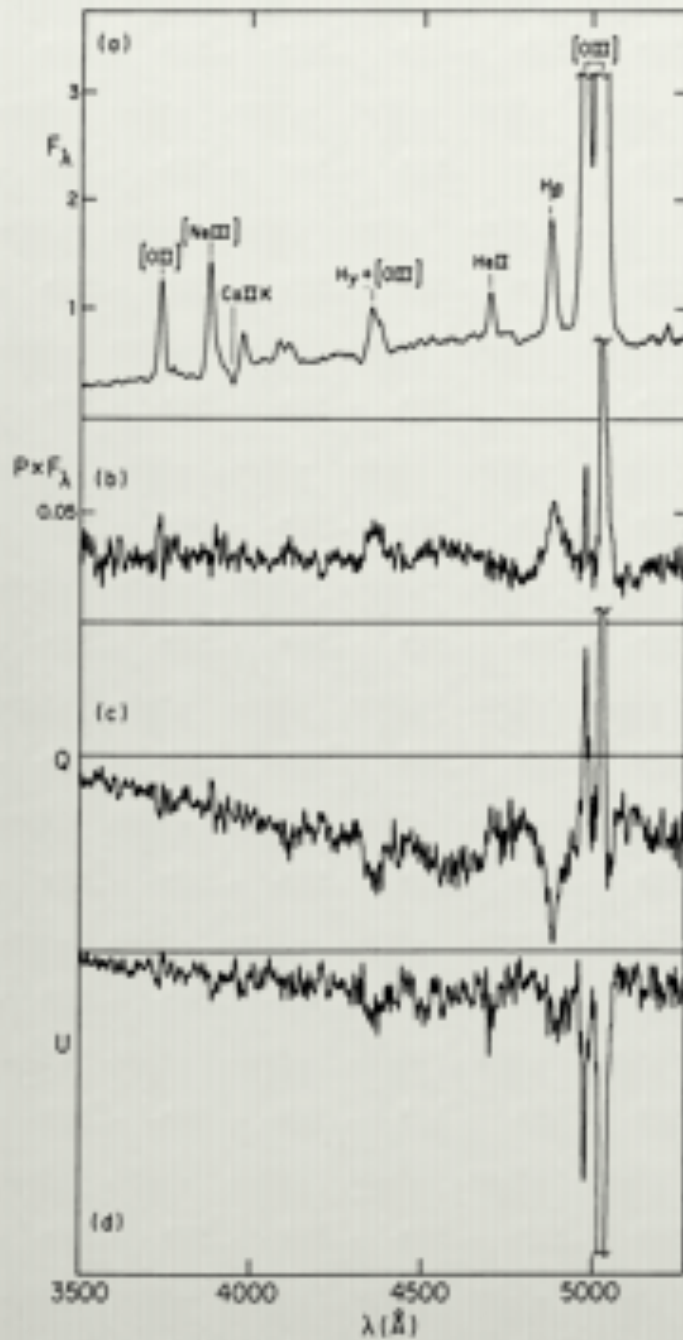
Makoto Kishimoto

Spectropolarimetry of the BLR

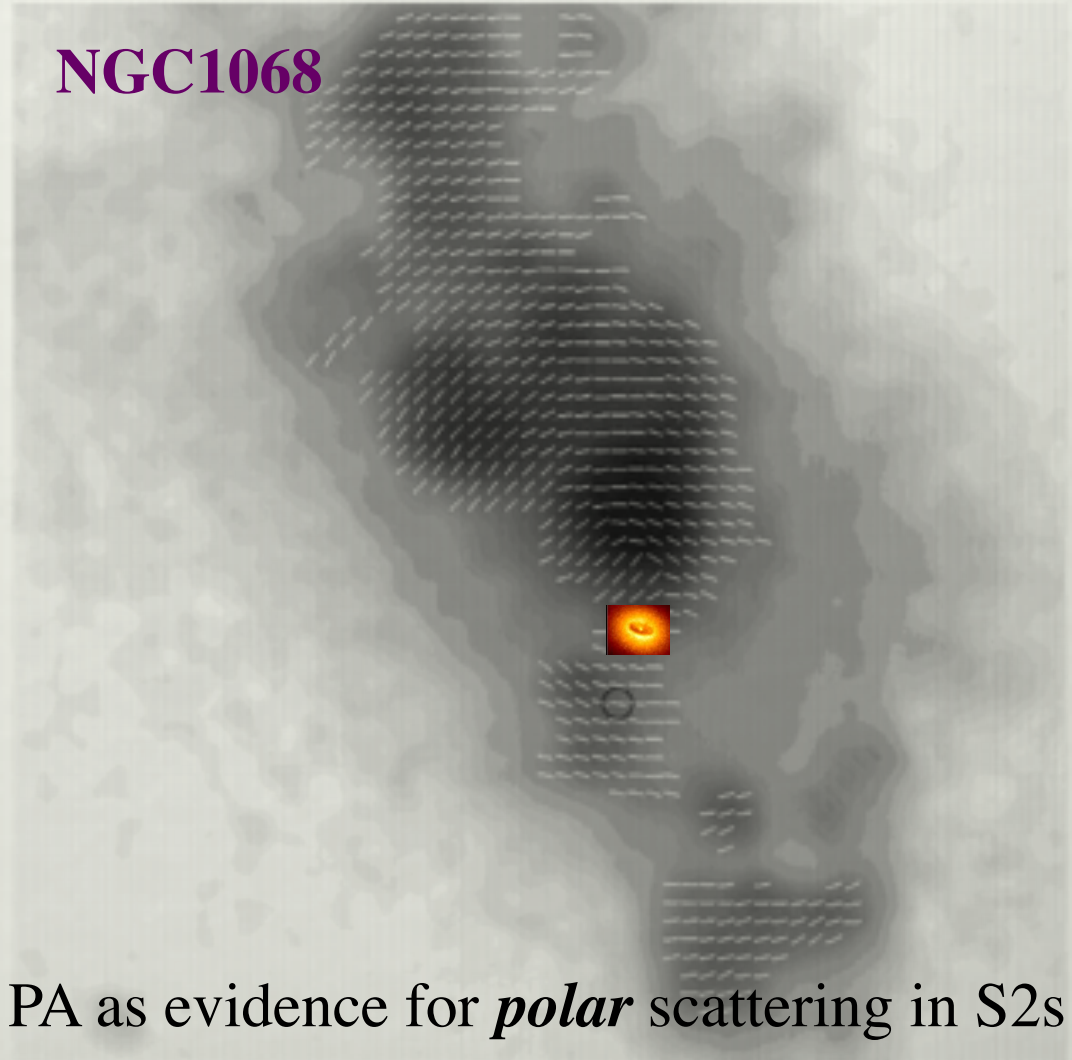


Antonucci & Miller, 1985

Capetti et al., 1995



NGC1068

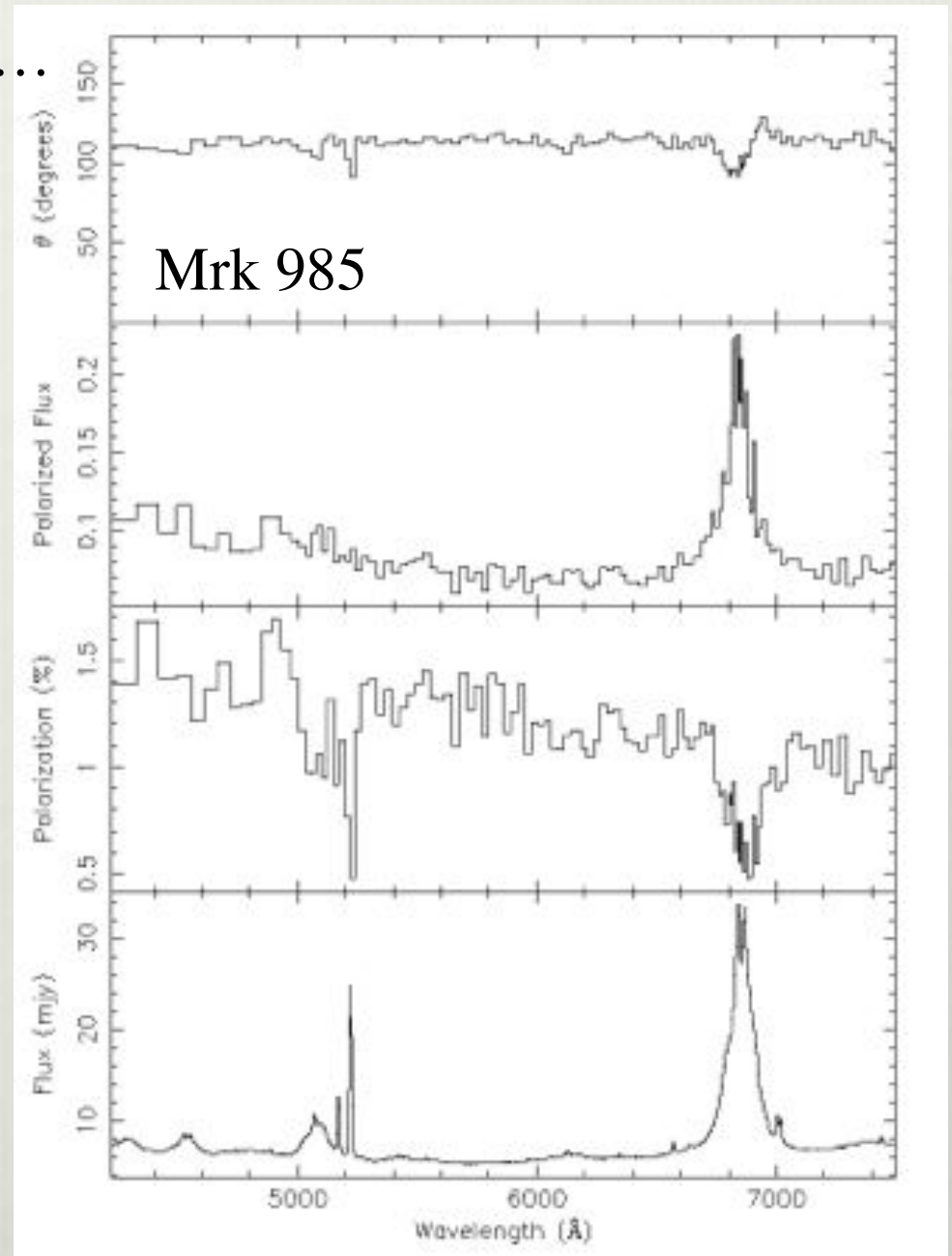


PA as evidence for *polar* scattering in S2s

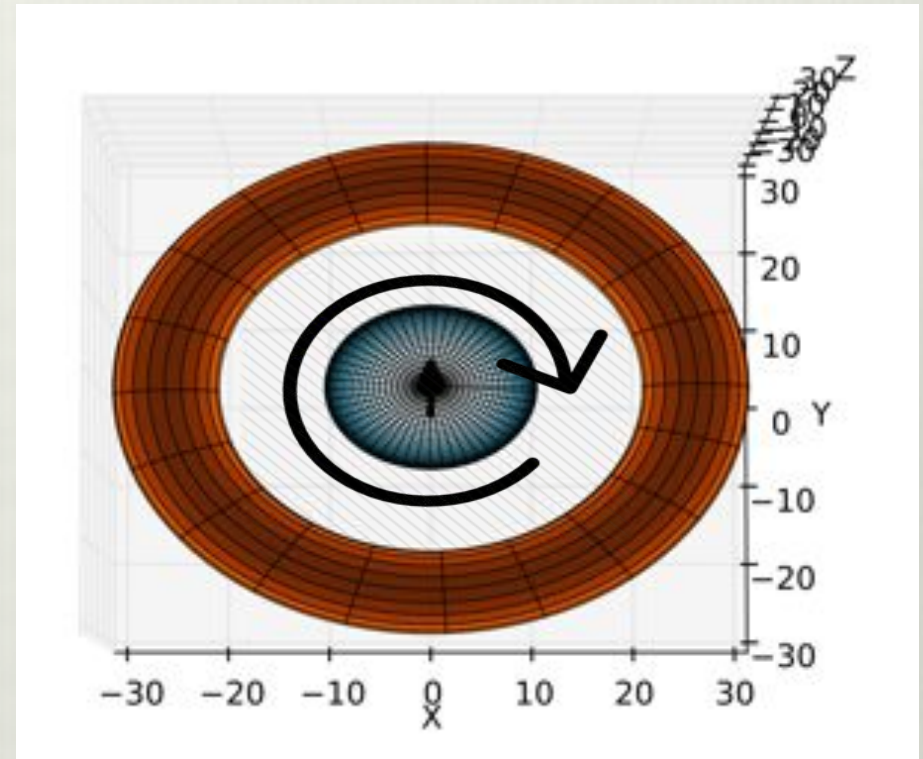
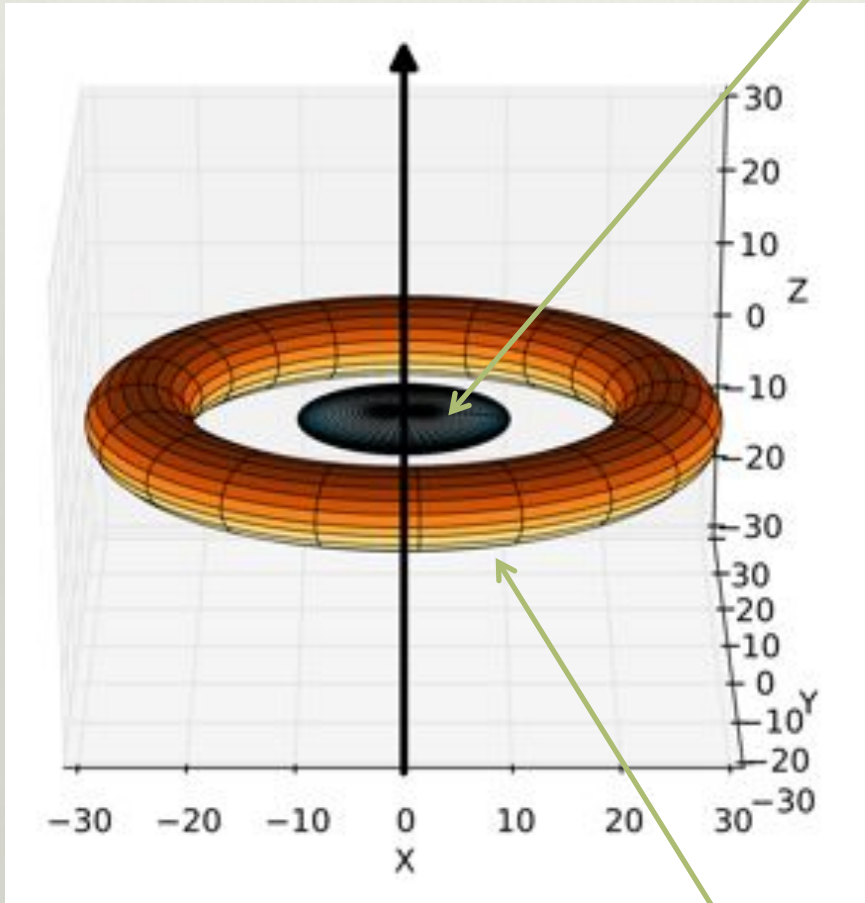
It all started with the Smiths.....

PA rotation as evidence for
equatorial scattering in Sy 1s

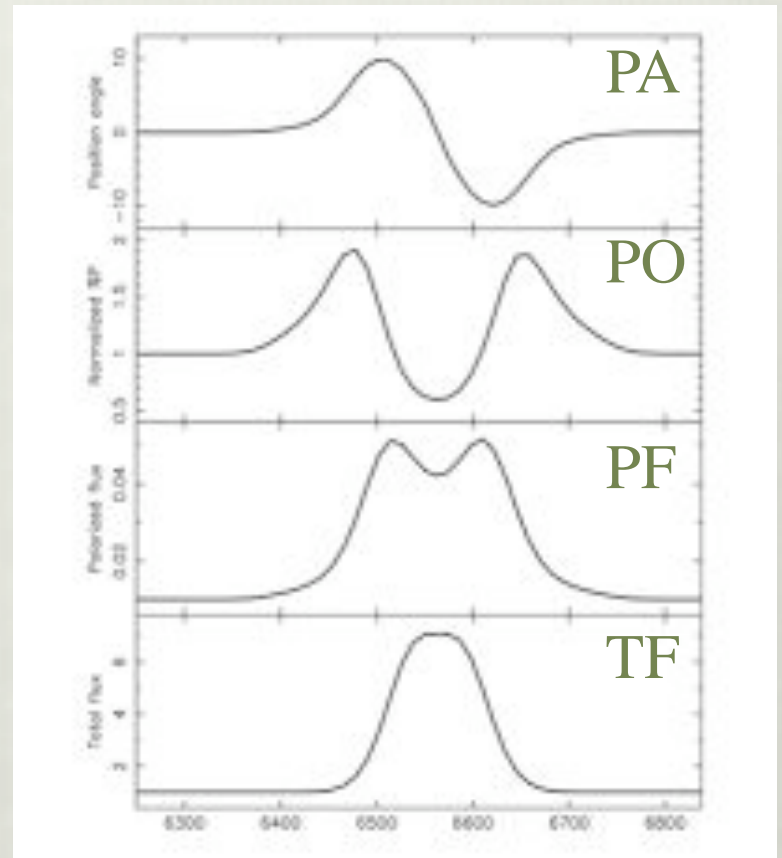
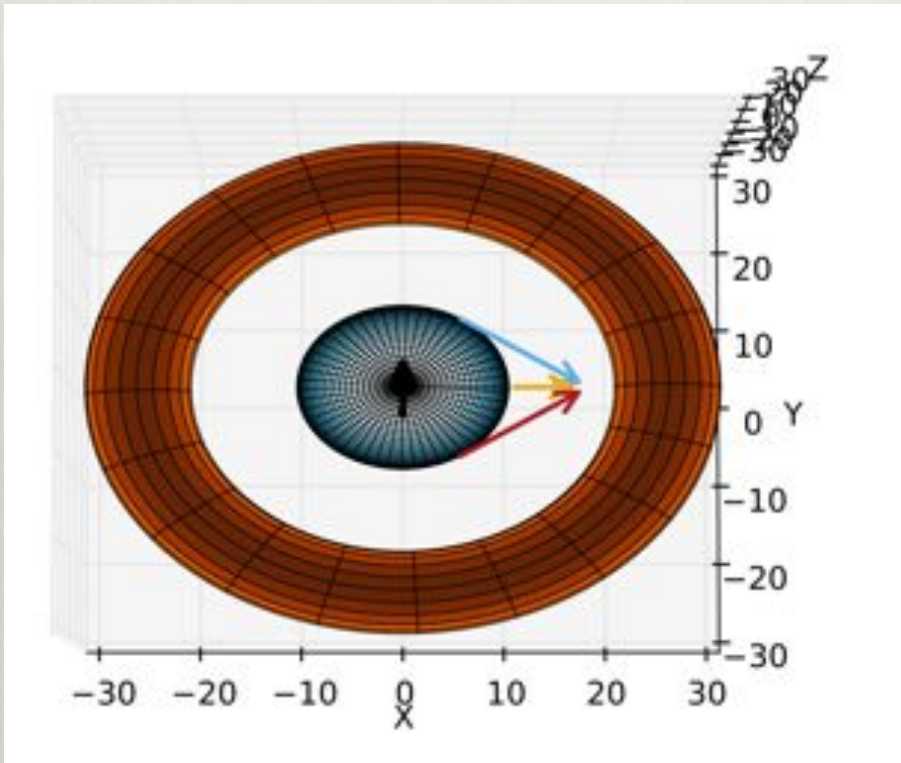
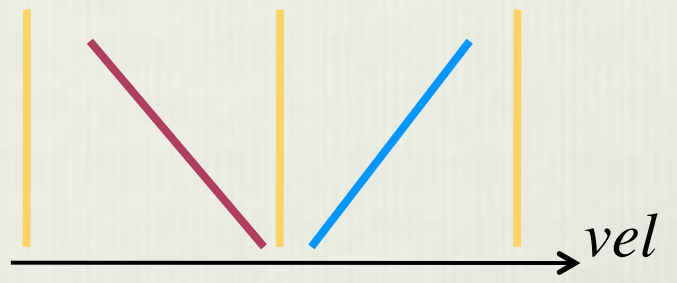
Smith et al., 2002



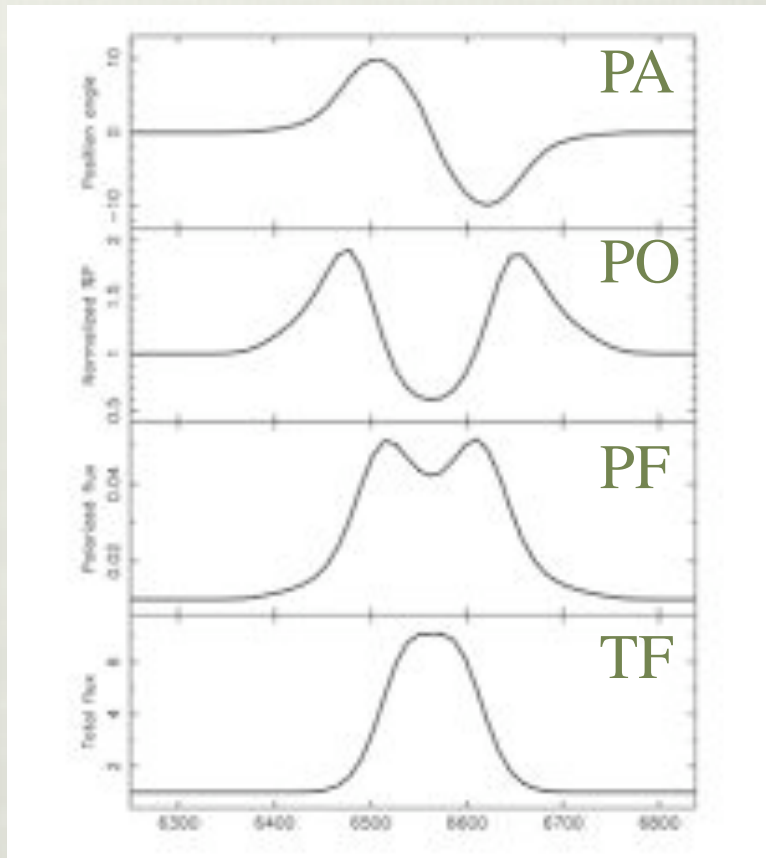
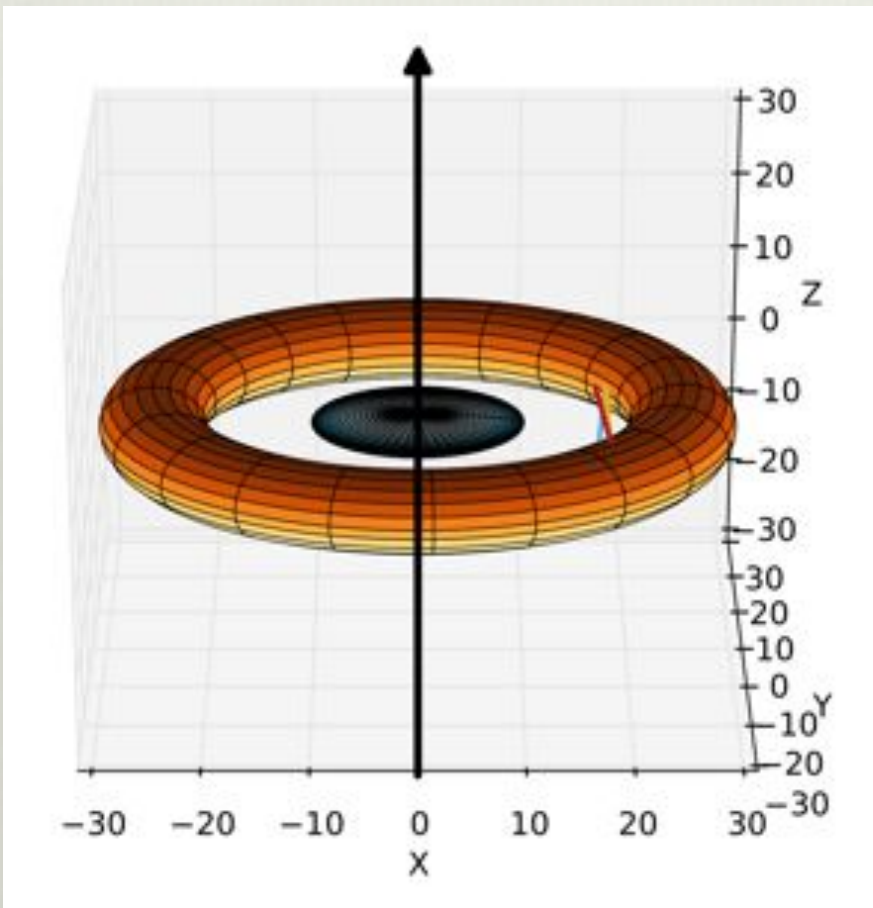
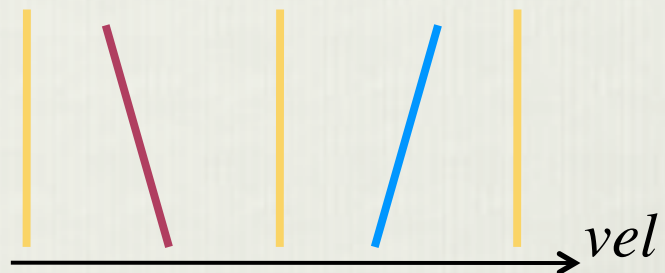
Disk-like Broad Line Emitting Region



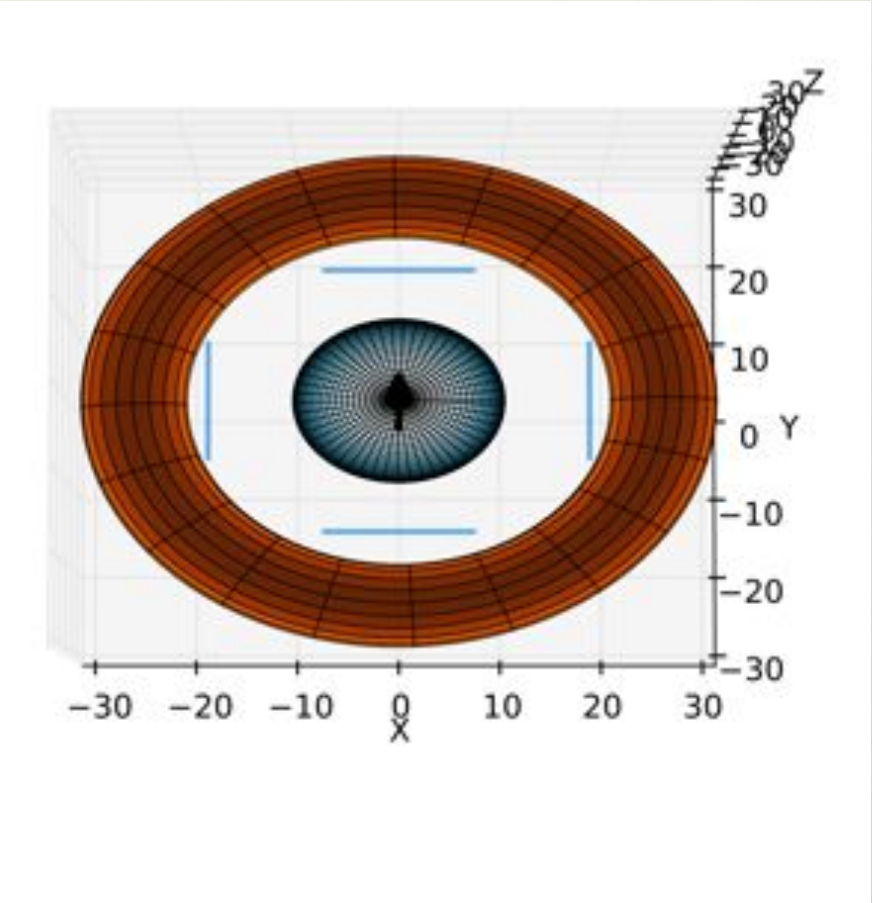
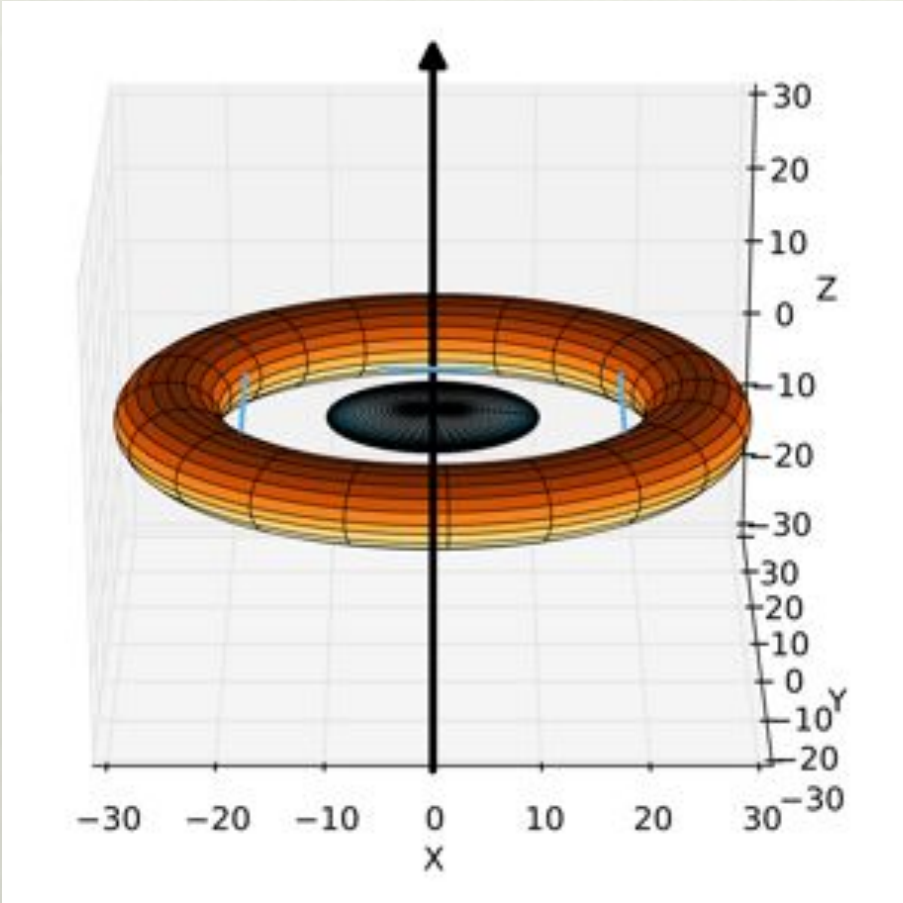
Equatorial scatterer



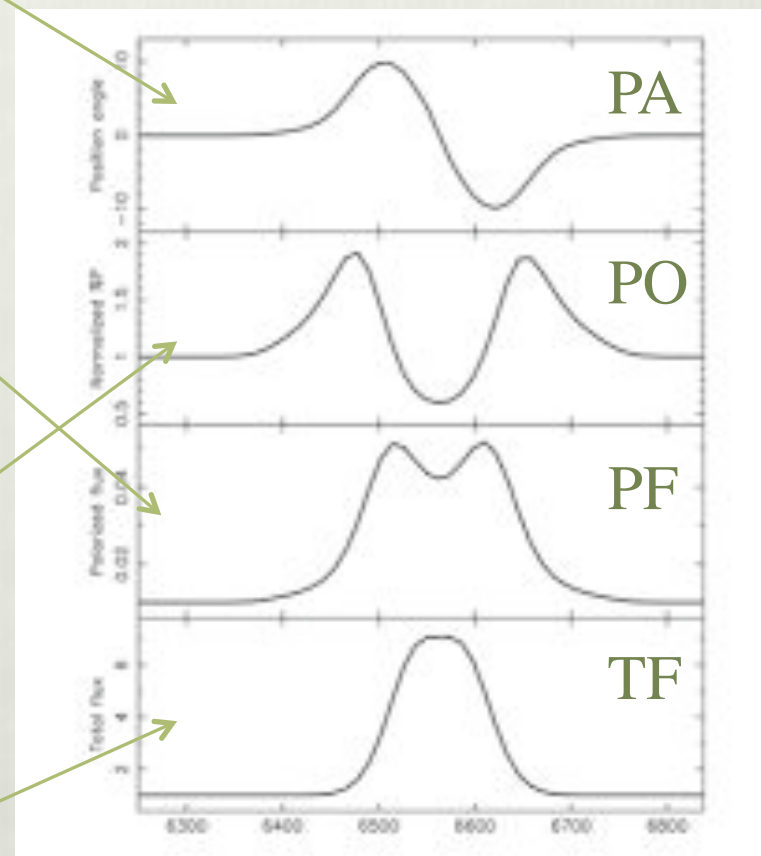
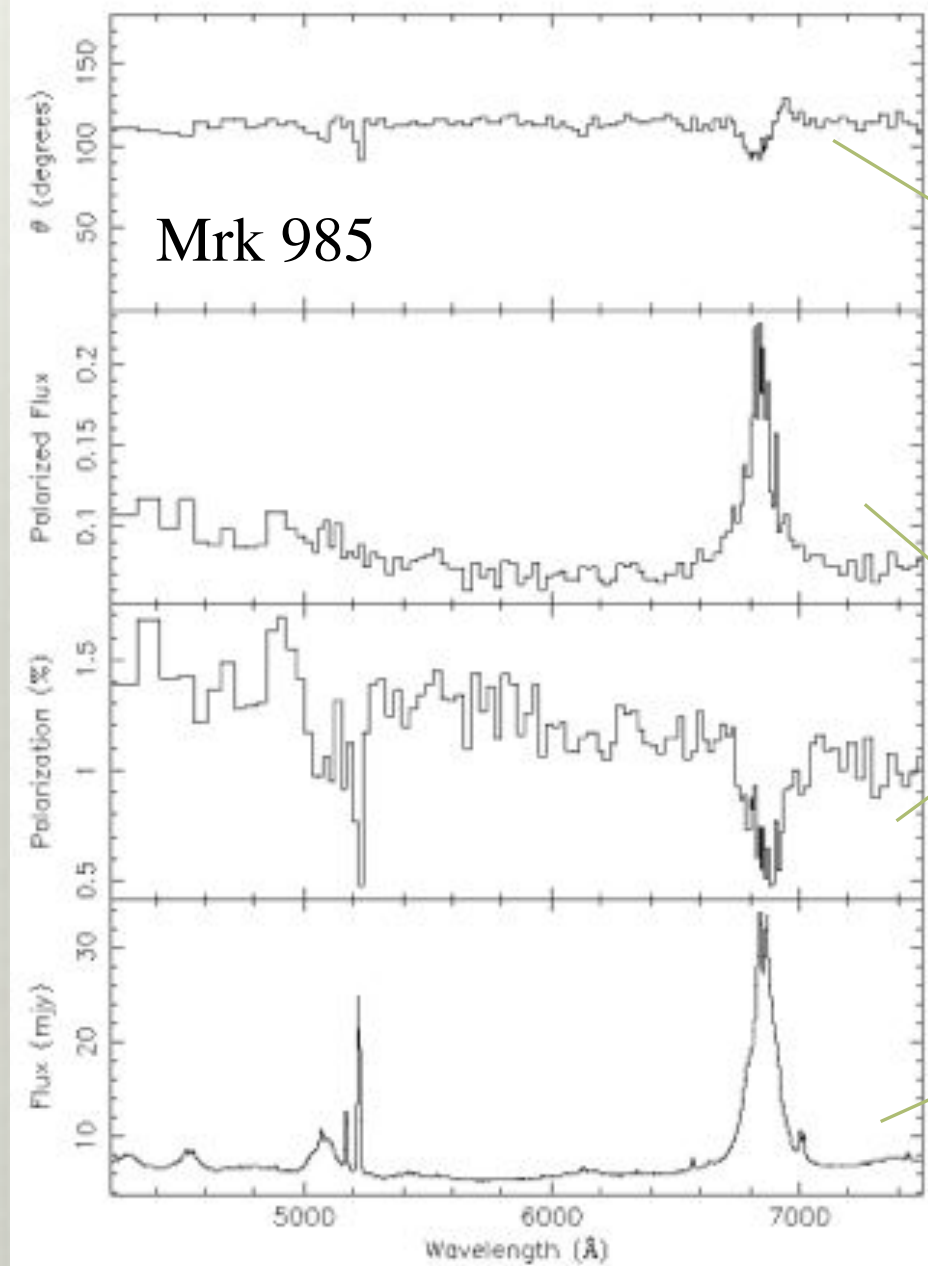
Smith et al., 2005



Smith et al., 2005



Smith et al., 2002



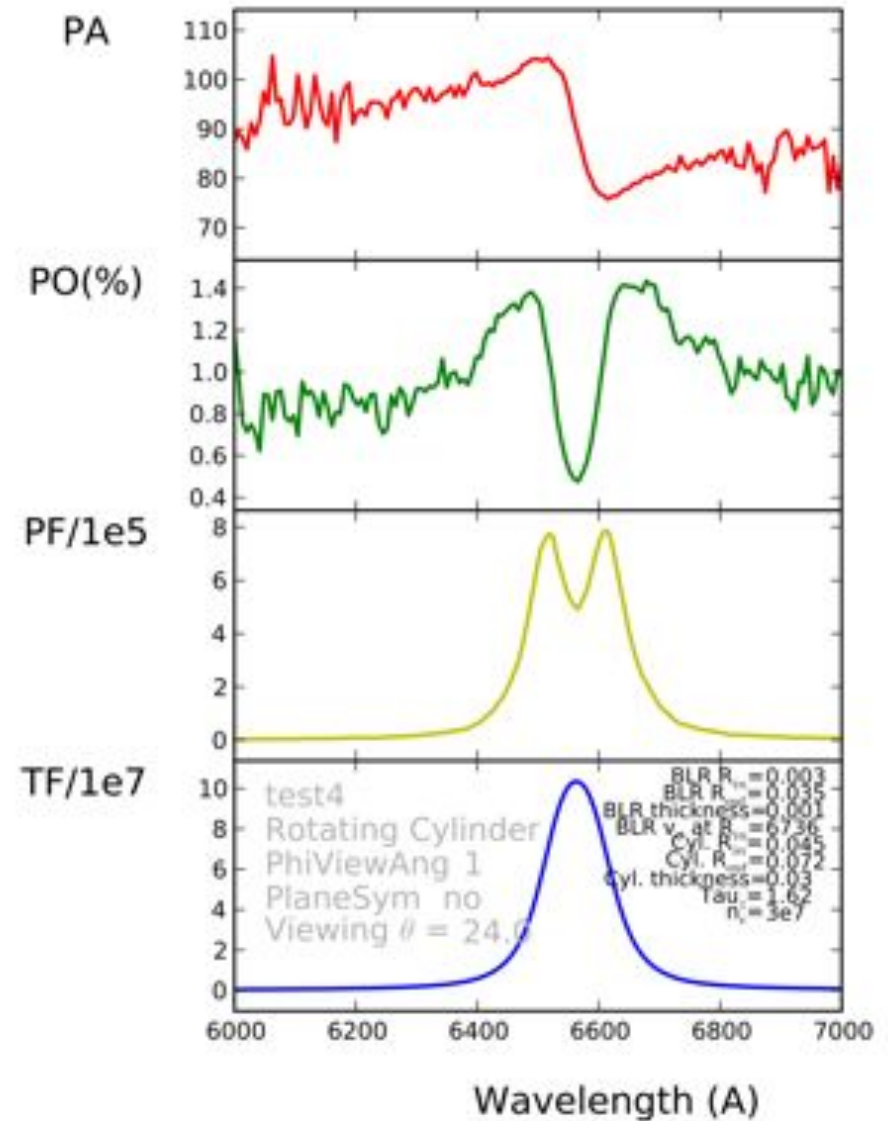
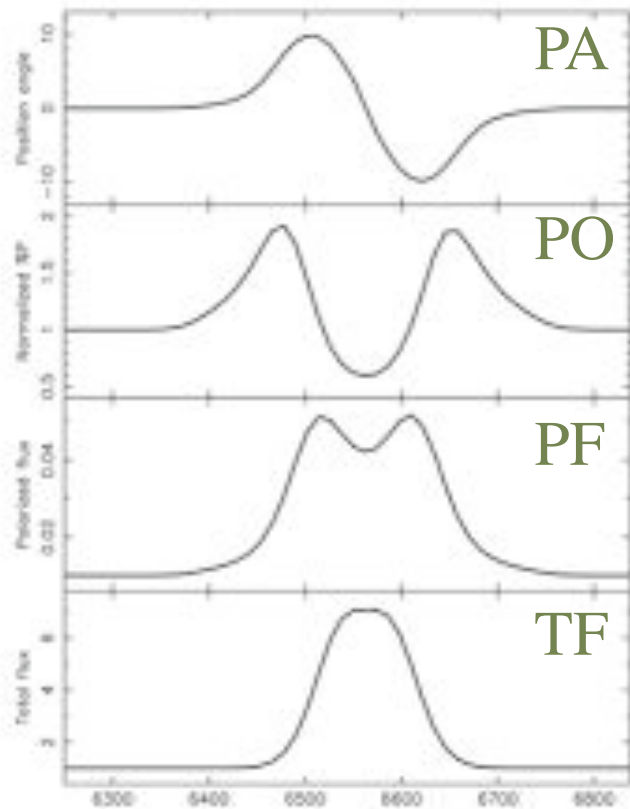
Rotating PA
Broad PF line

Goosmann 2014

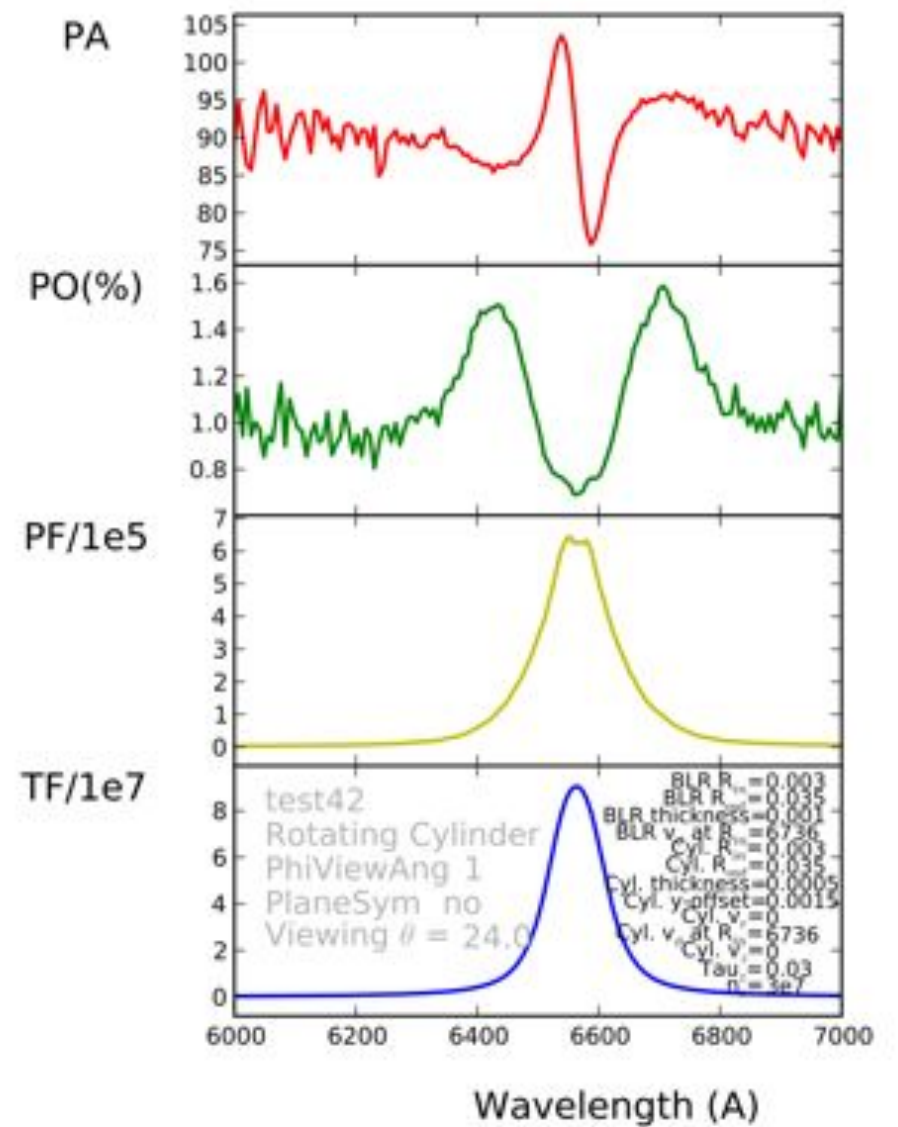
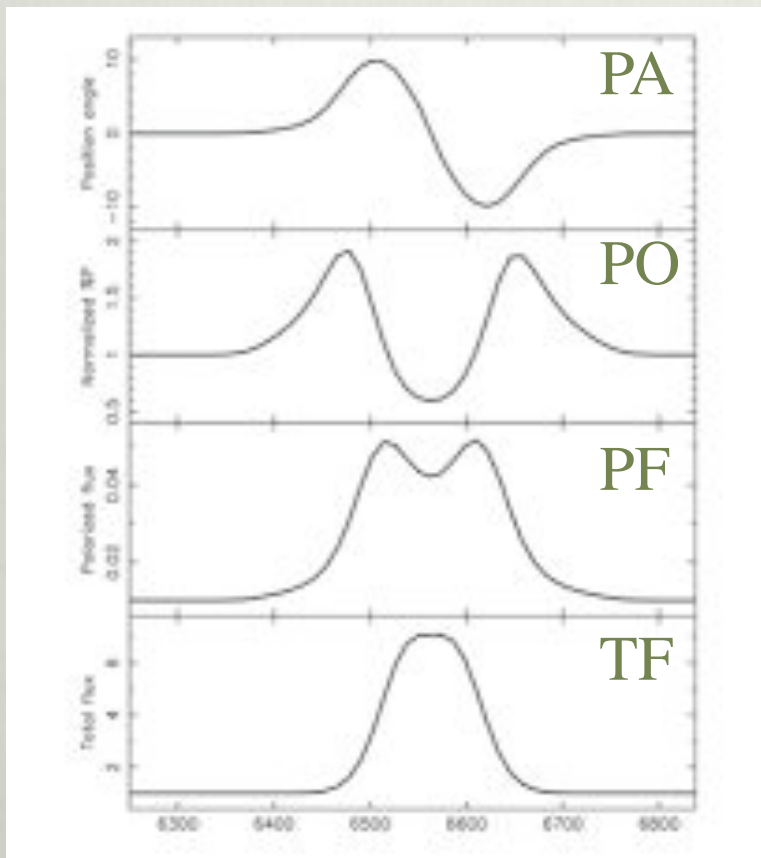
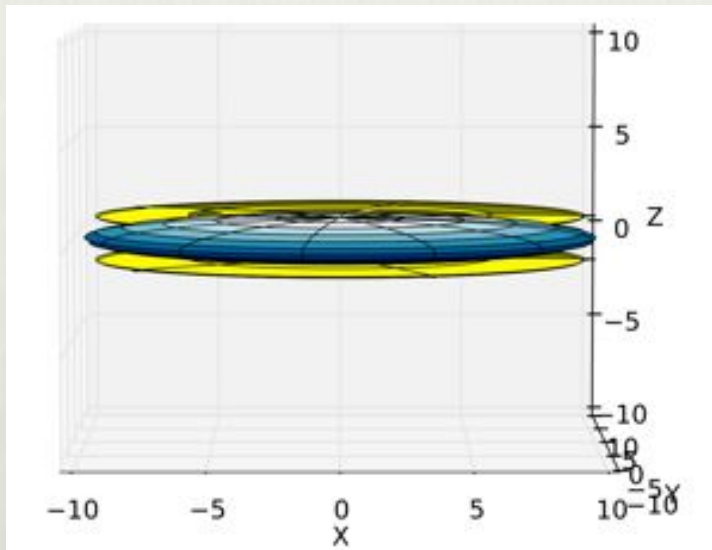


Table 1. Parameters for the Standard Equatorial Model.

System inclination	35°
Emission disc inner radius	1.0×10^{14} m
Emission disc outer radius	1.0×10^{15} m
Rotational velocity at inner radius of emission disc	7500 km s^{-1}



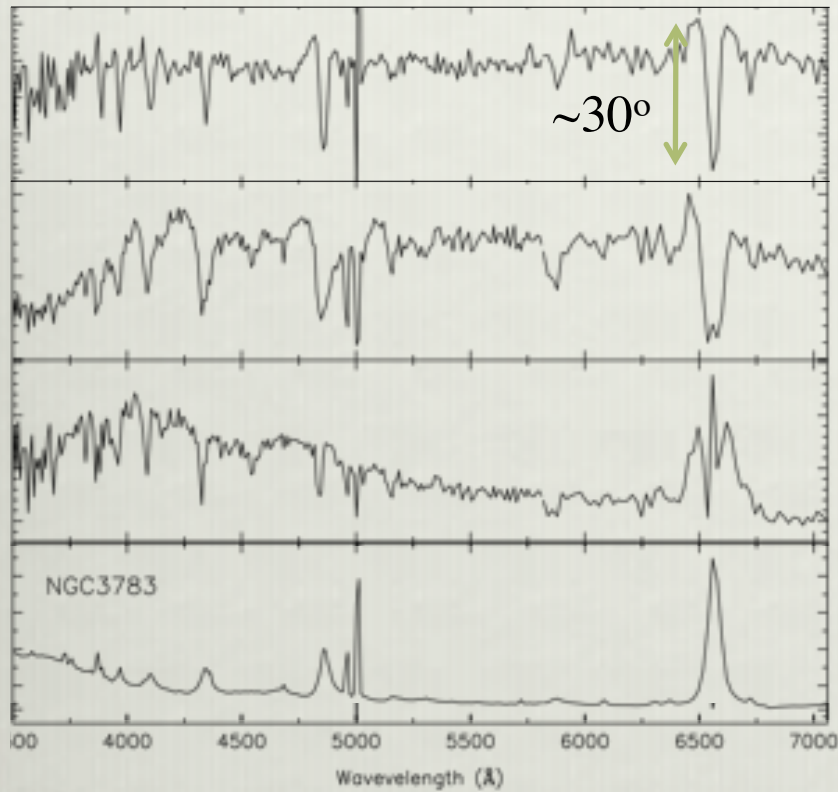
Sharper Rotation Narrower PF line



High S/N spectropolarimetry of type 1 Seyfert galaxies with ESO

NGC3783

Mrk 509

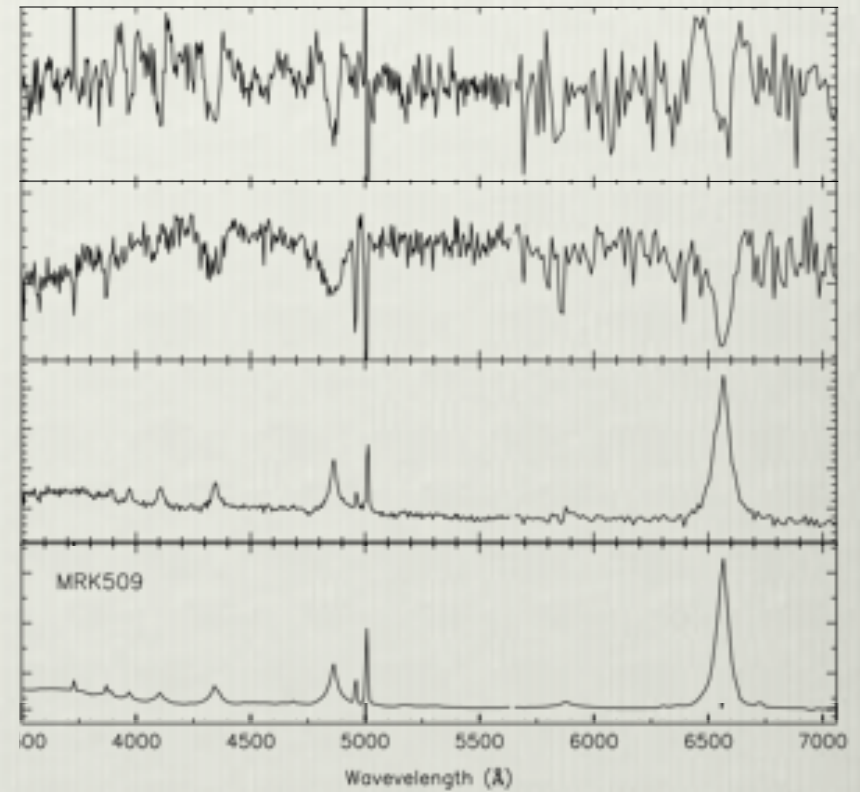


PA

PO

PF

TF



PA

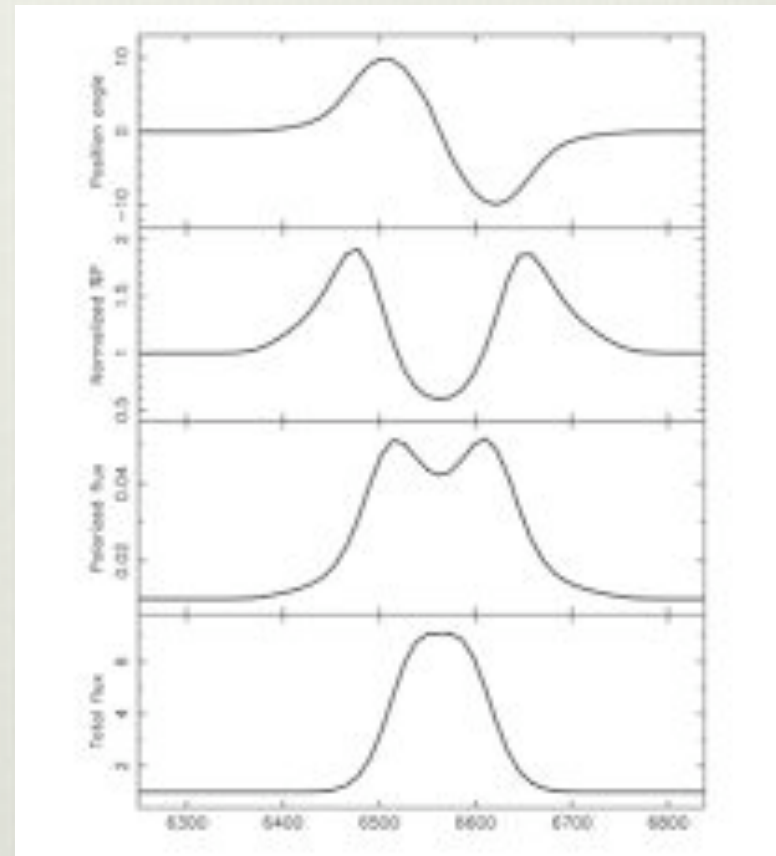
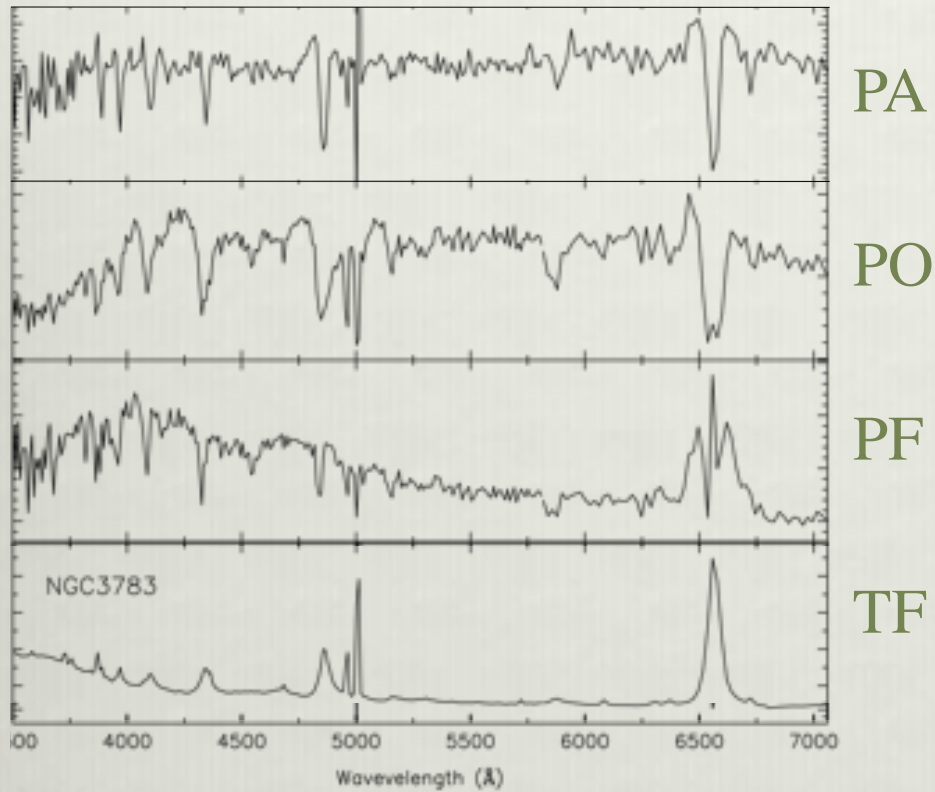
PO

PF

TF

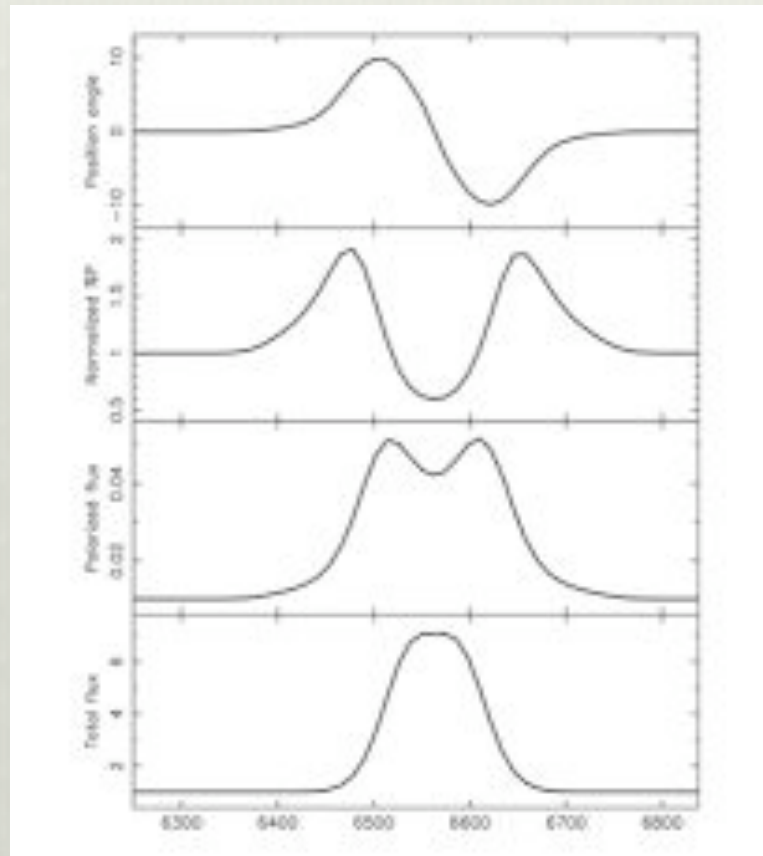
High S/N spectropolarimetry of type 1 Seyfert galaxies with ESO

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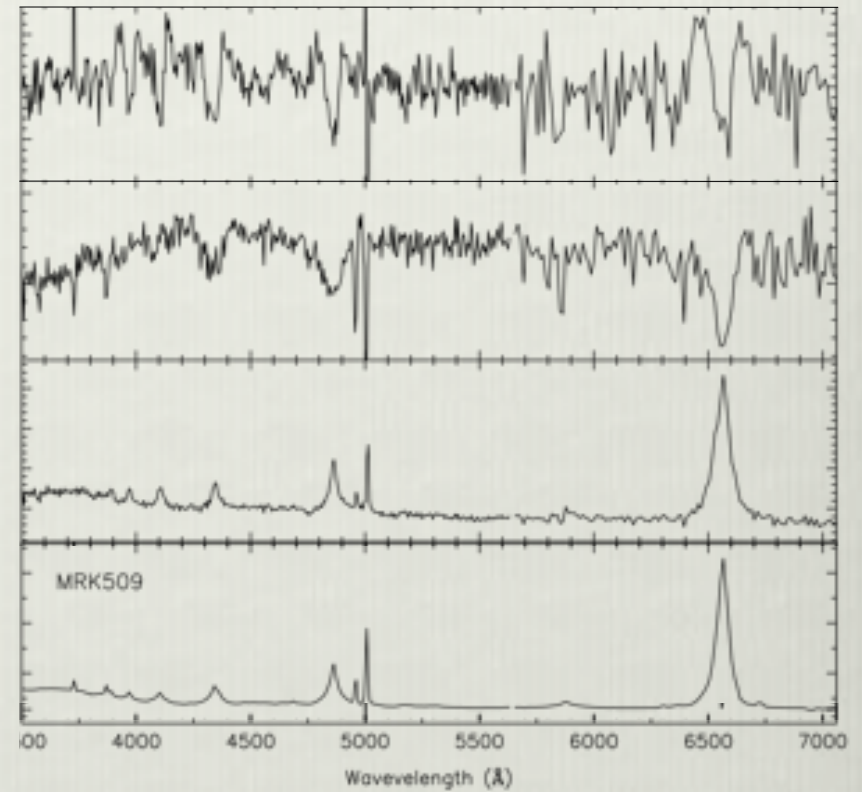


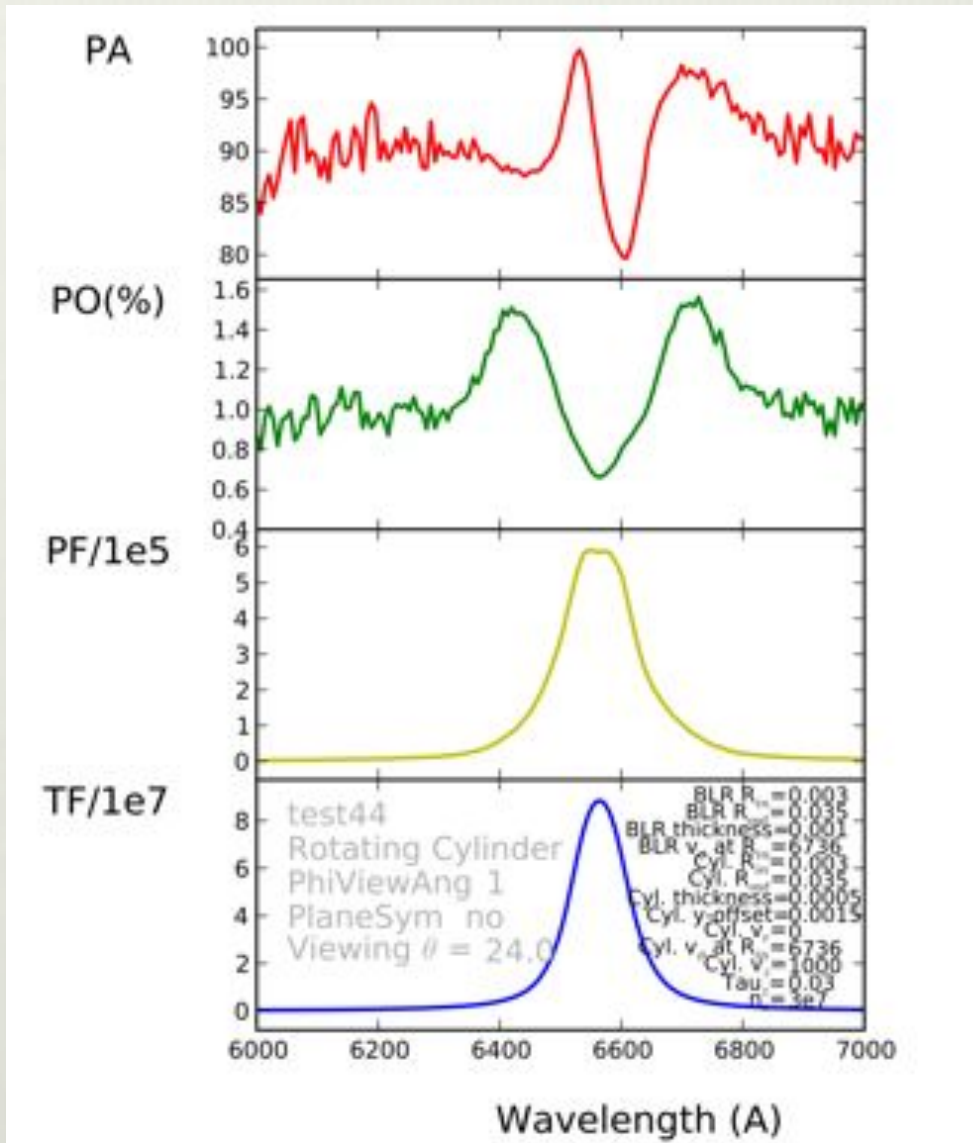
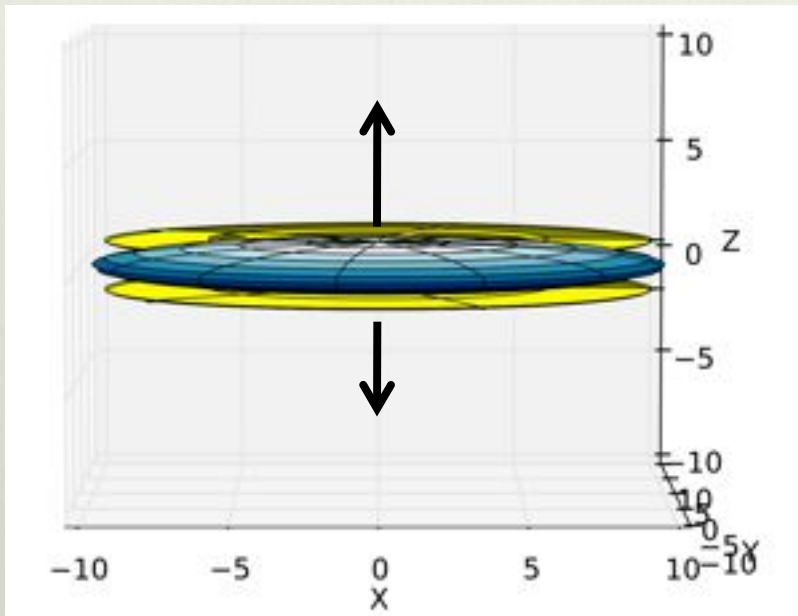
PA

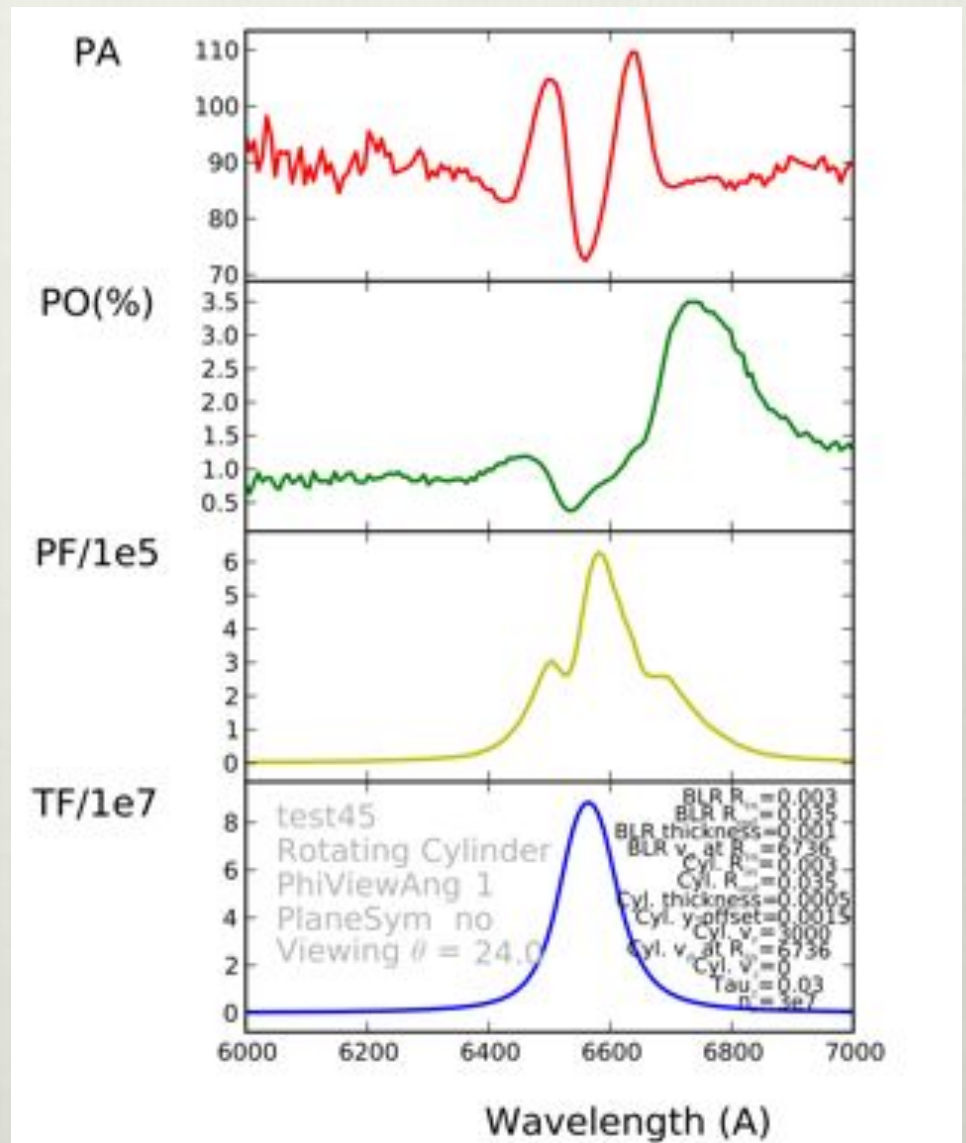
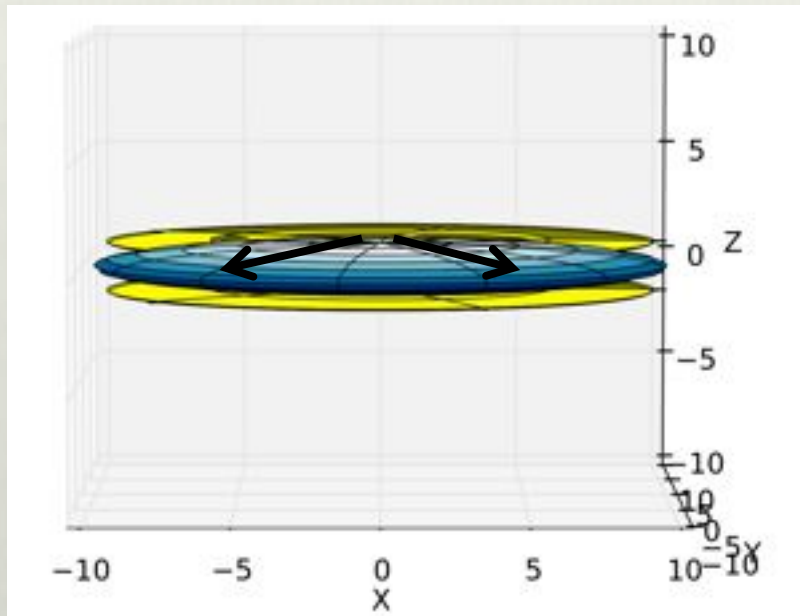
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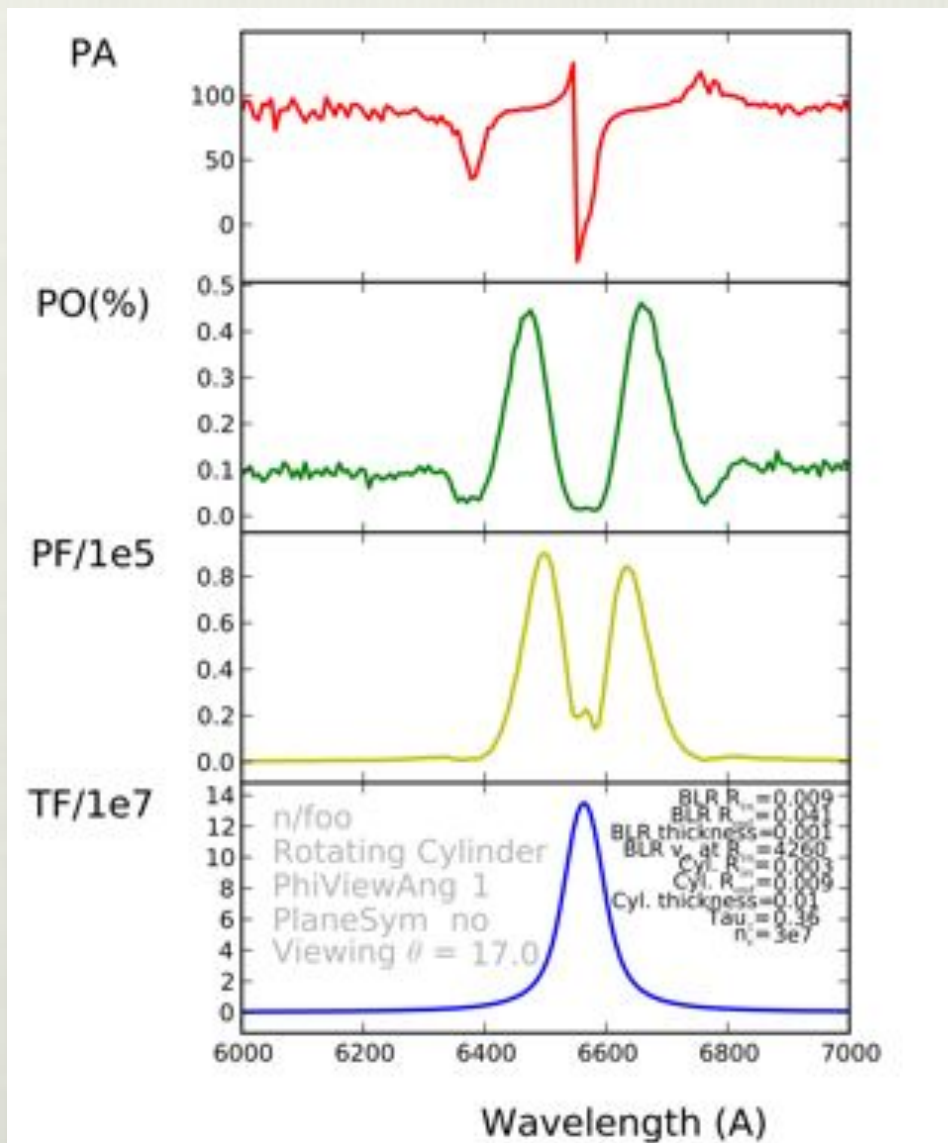
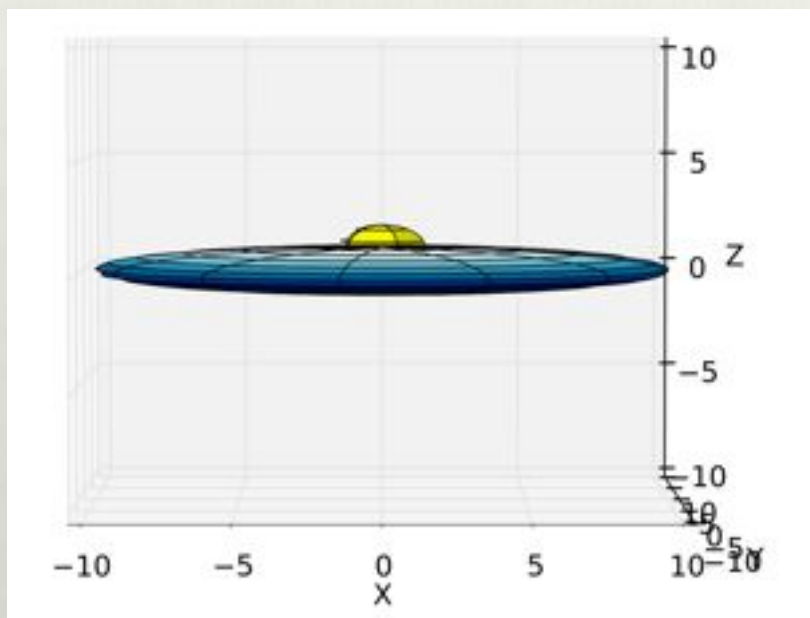
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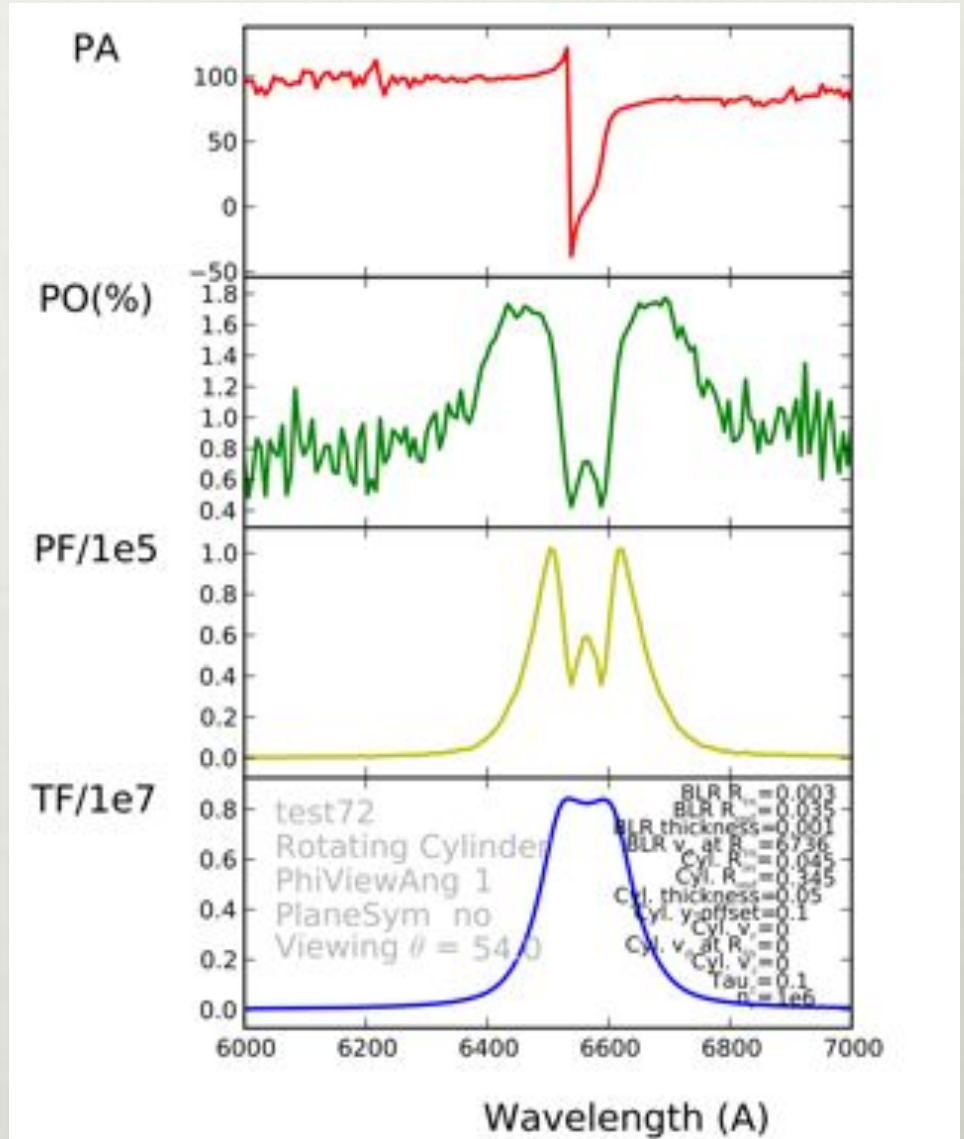
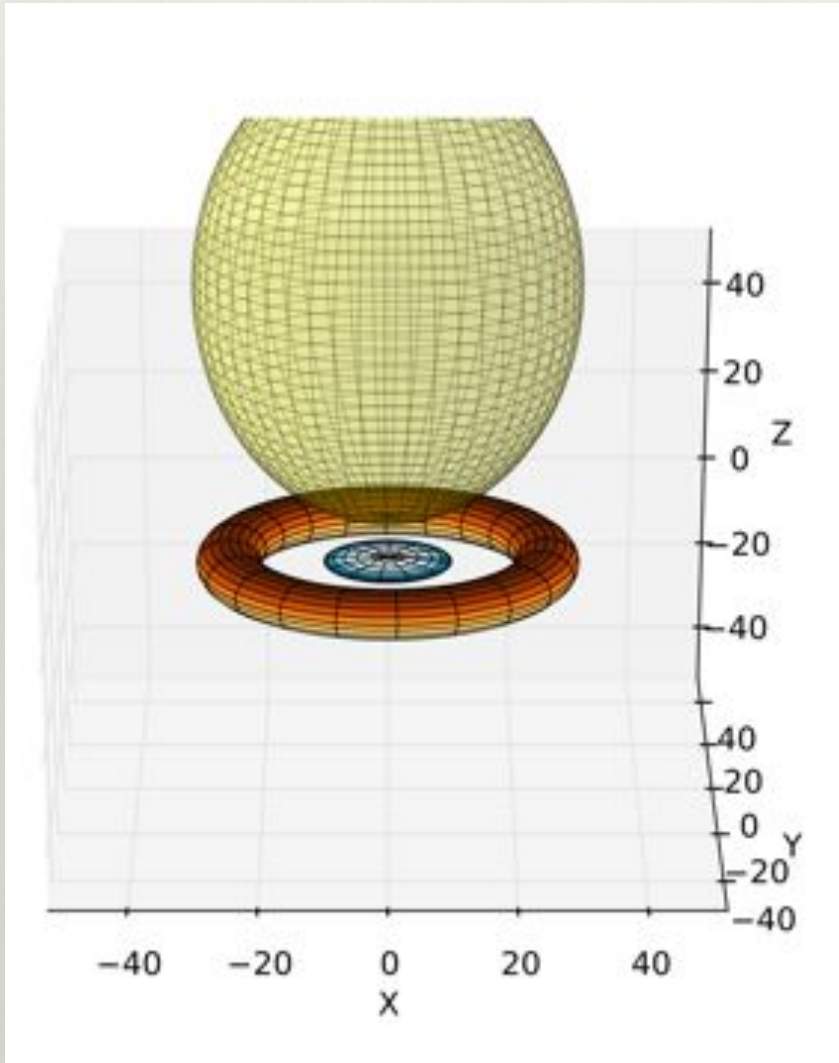
TF











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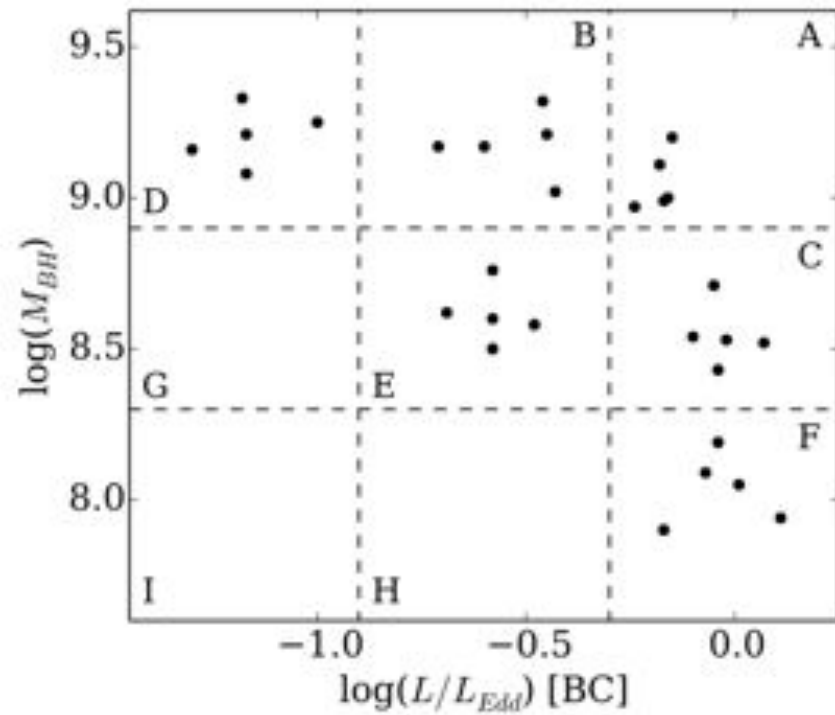
How I Learned to Stop Worrying and Love the α -Disks

Dan Capellupo

Hagai Netzer

Benny Trakhtenbrot

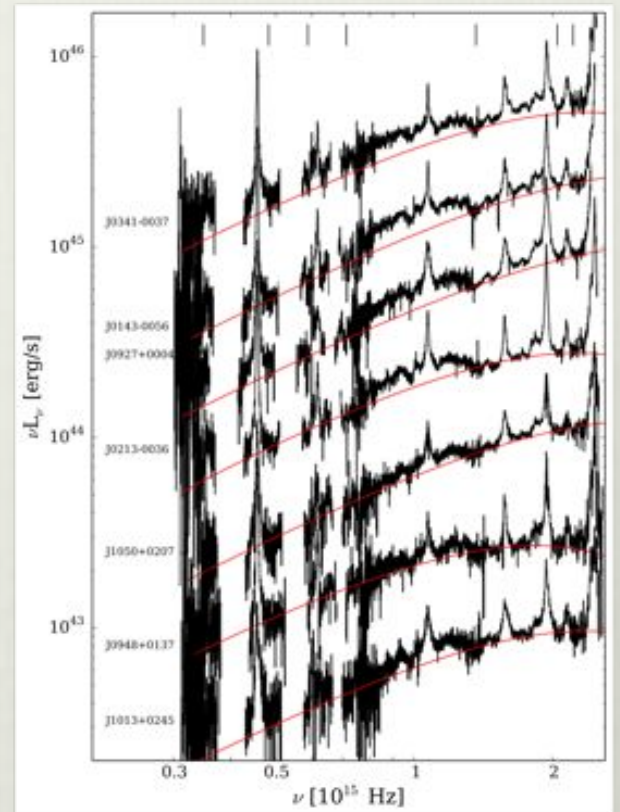
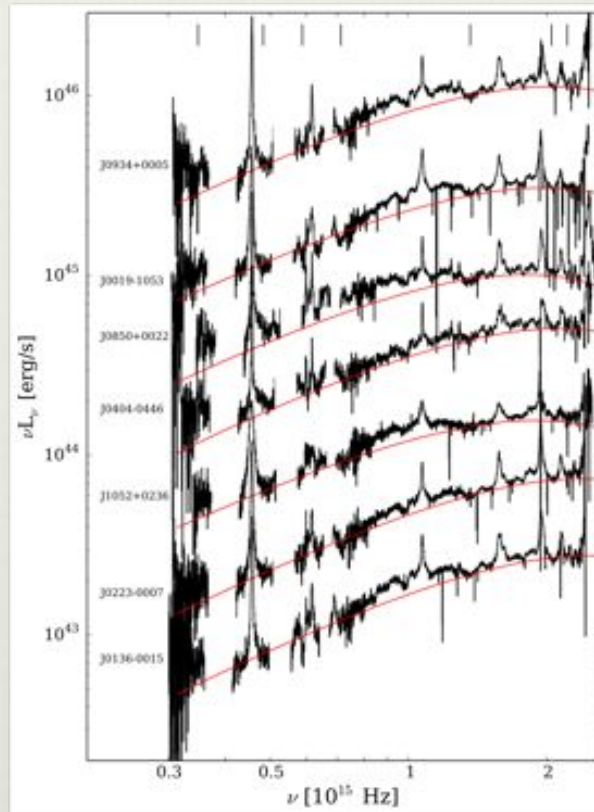
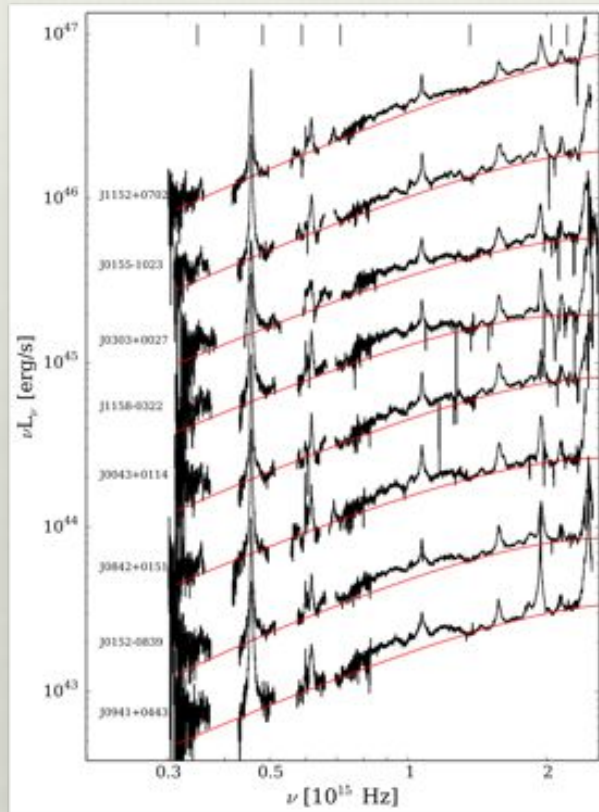
Julian Mejia-Restrepo



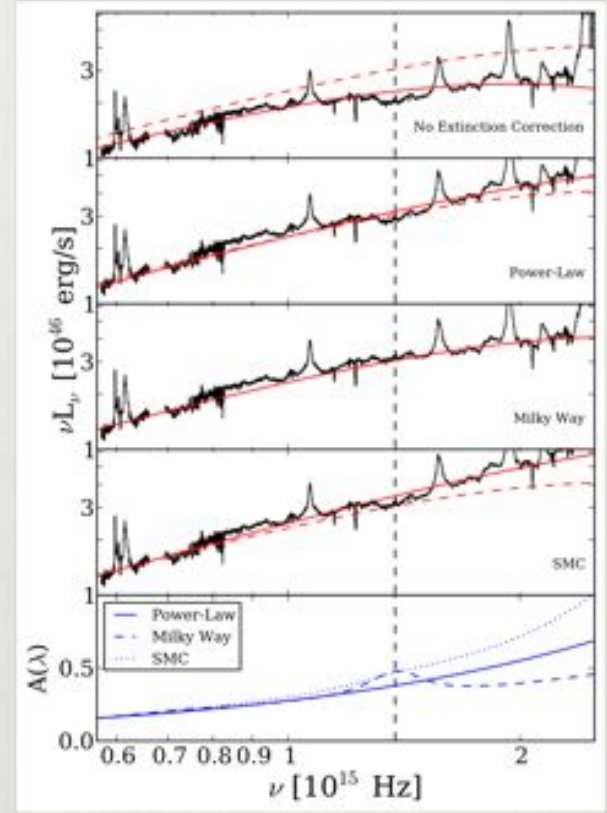
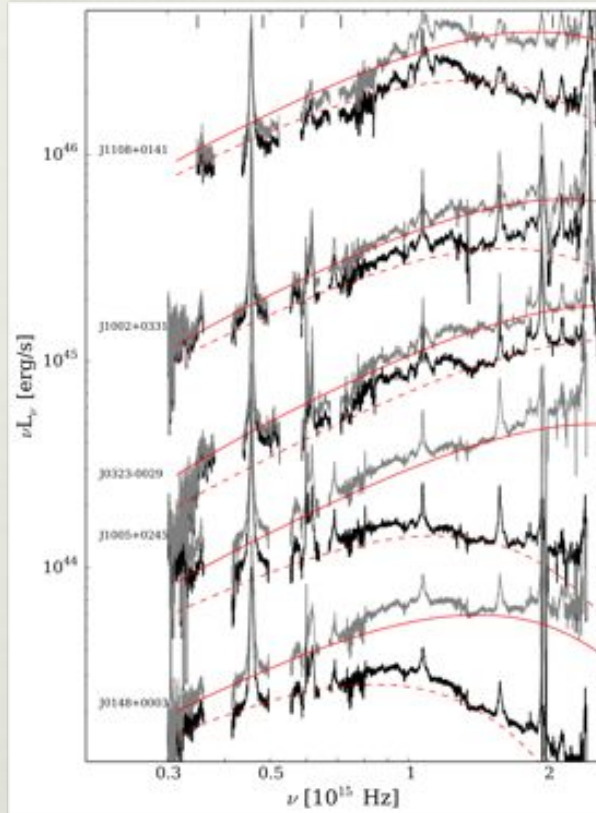
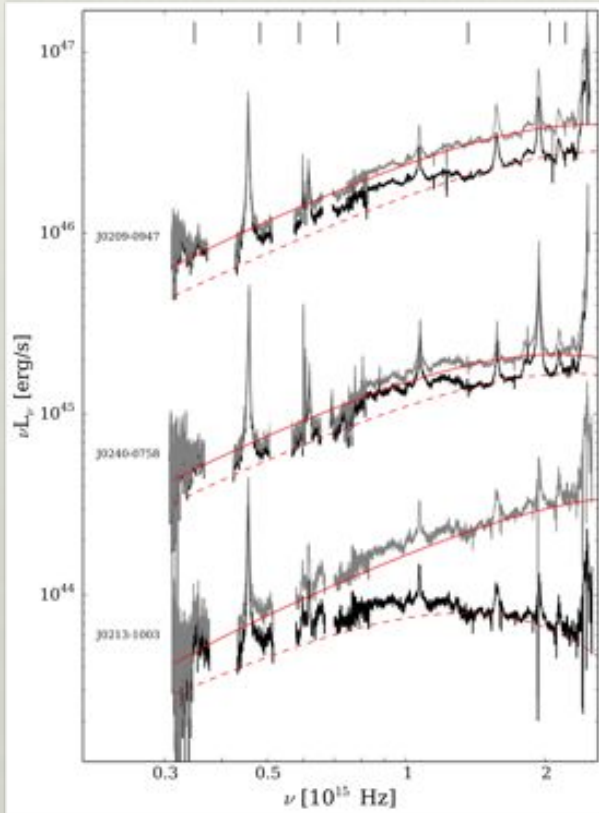
VLT/Paranal



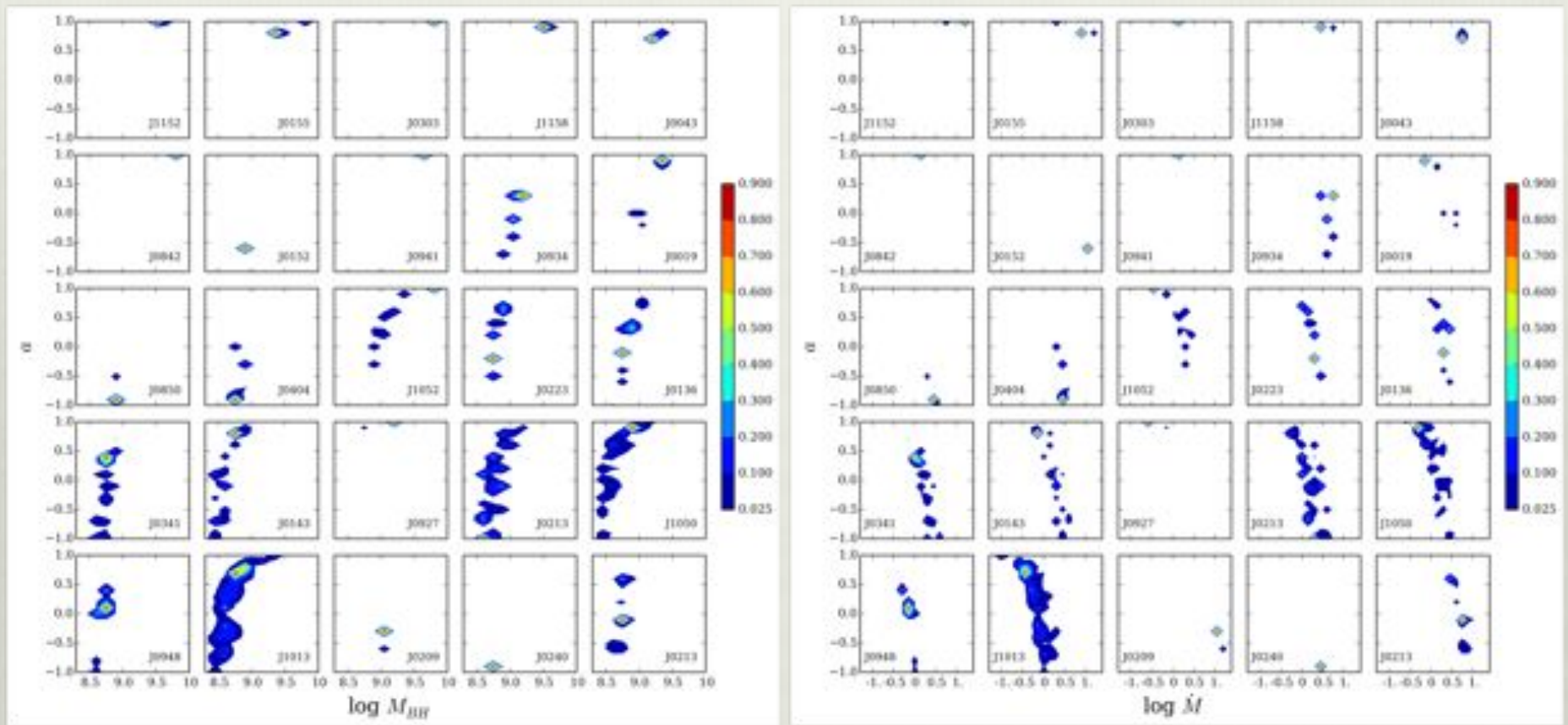
80+ hours of X-shooter to measure $z \sim 1.55$ SMBHs' mass, accretion rate and spin



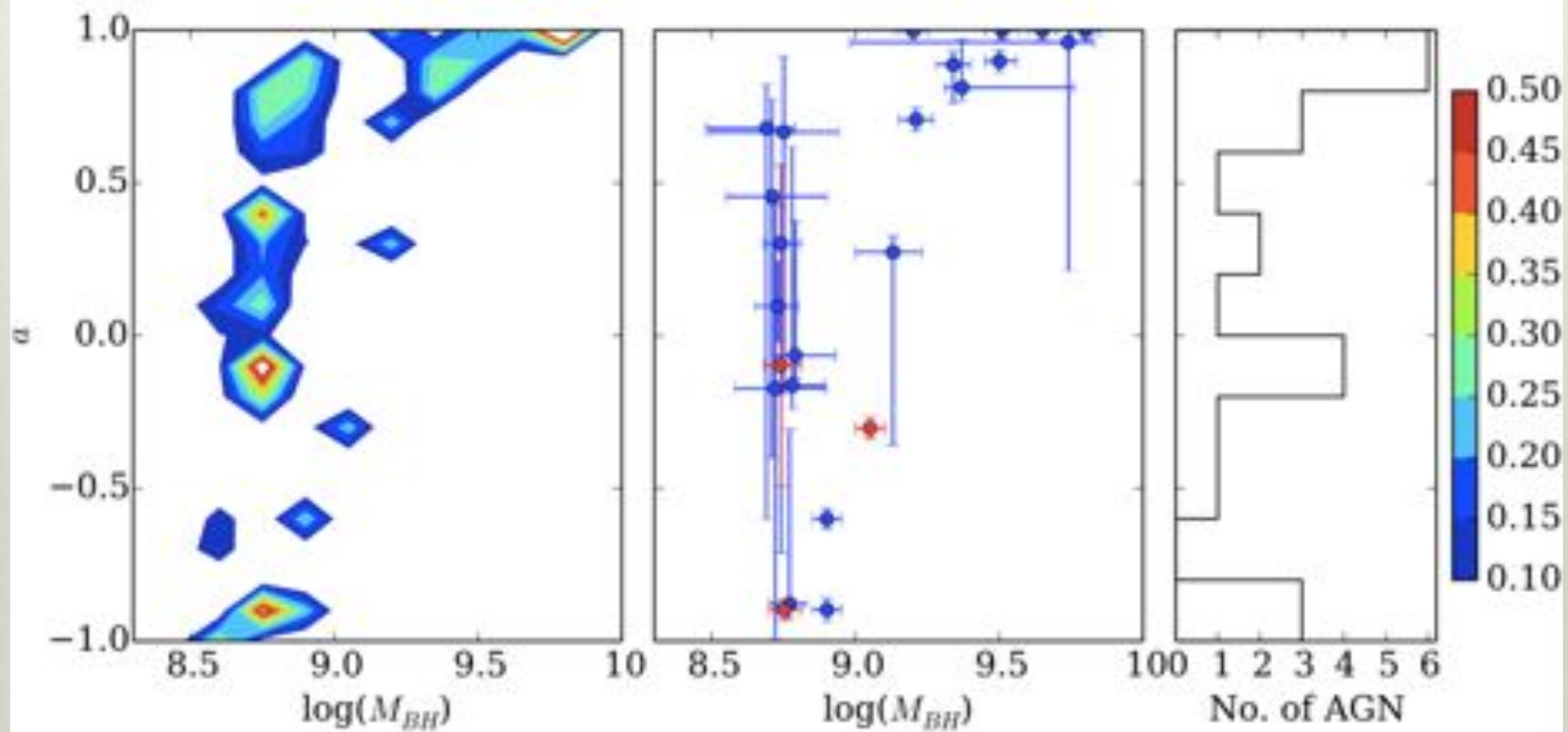
Capellupo et al., 2014, submitted



Capellupo et al., 2014, submitted



Capellupo et al., 2014, submitted



Capellupo et al., 2014, submitted