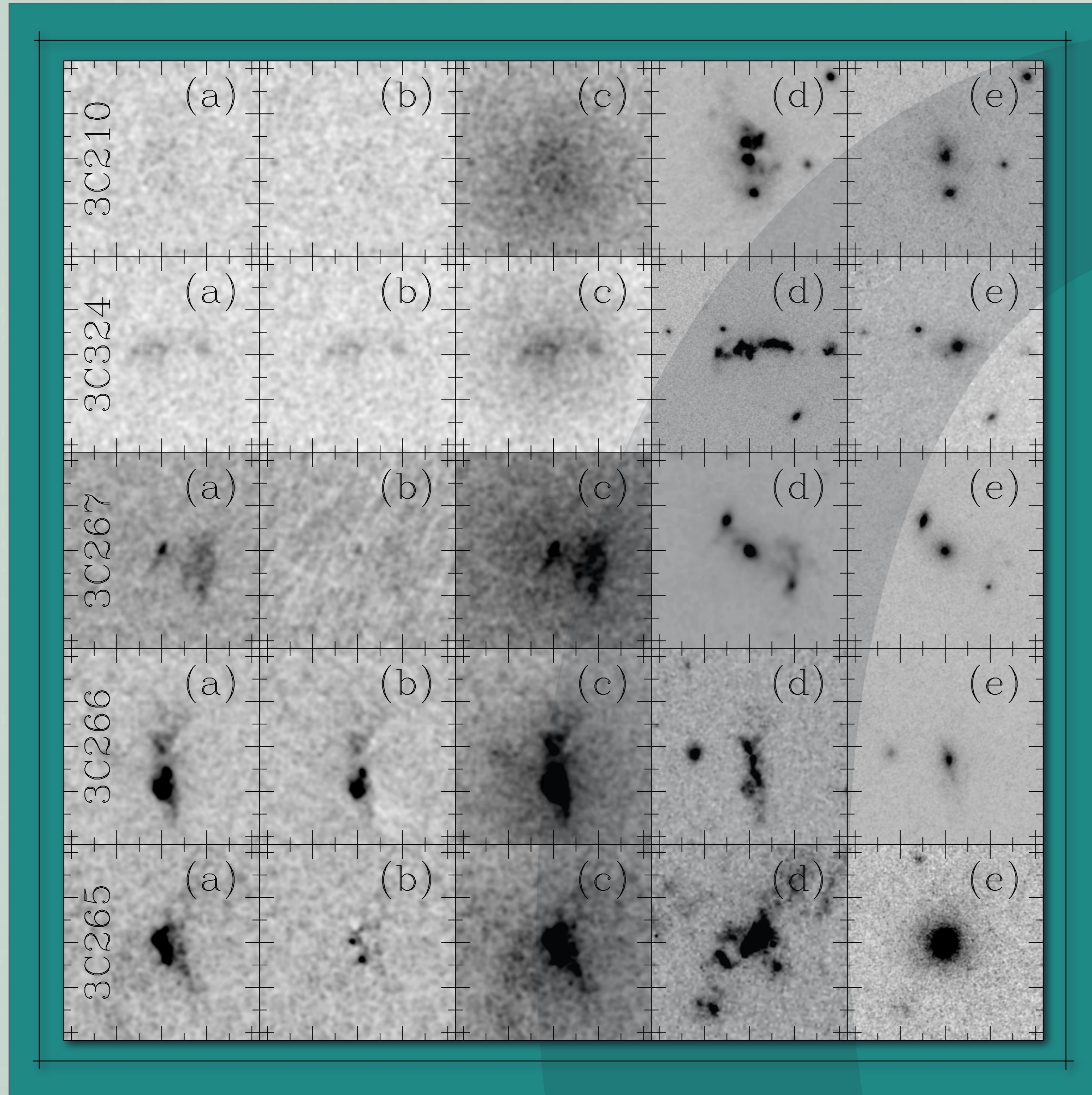


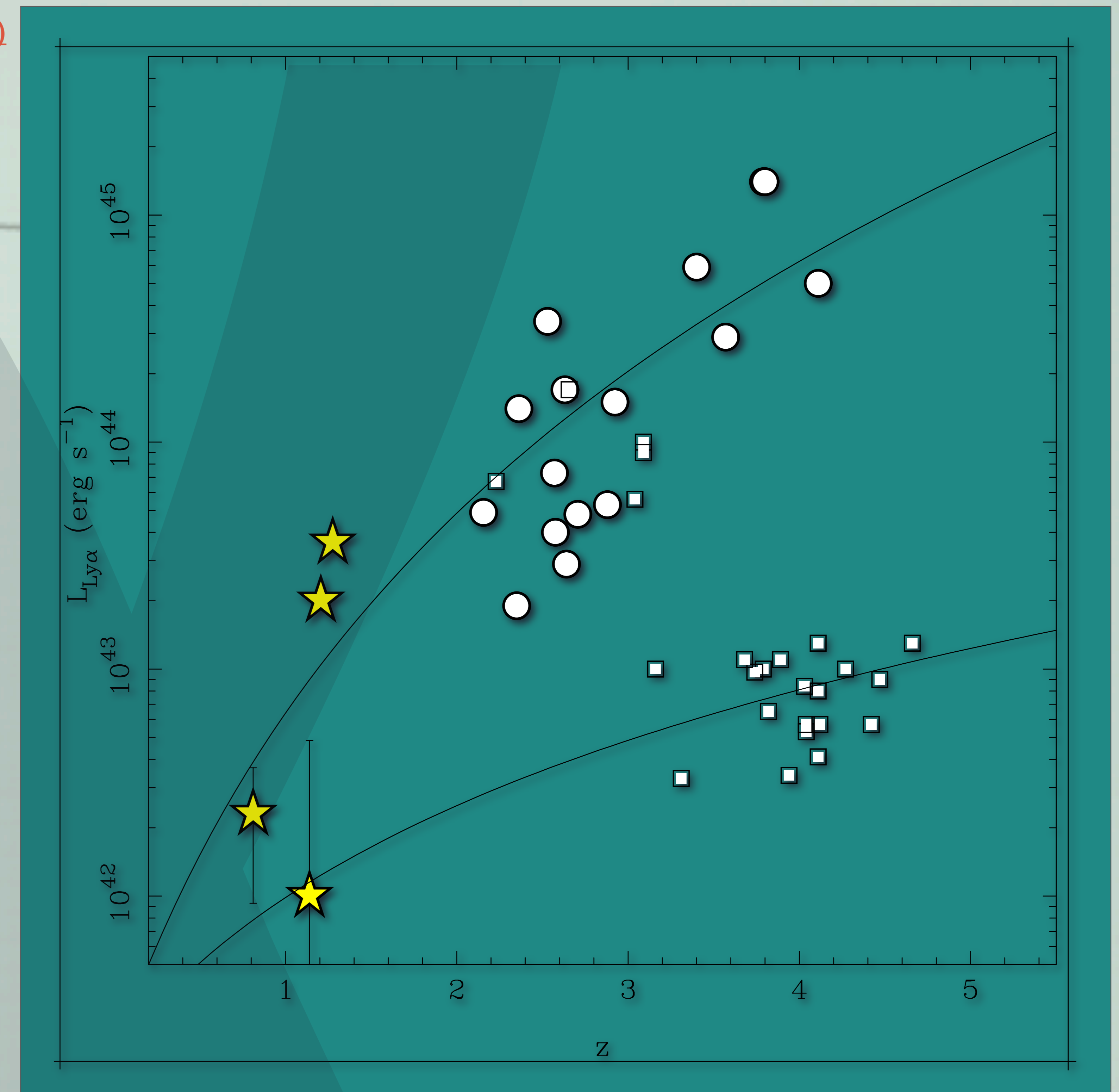
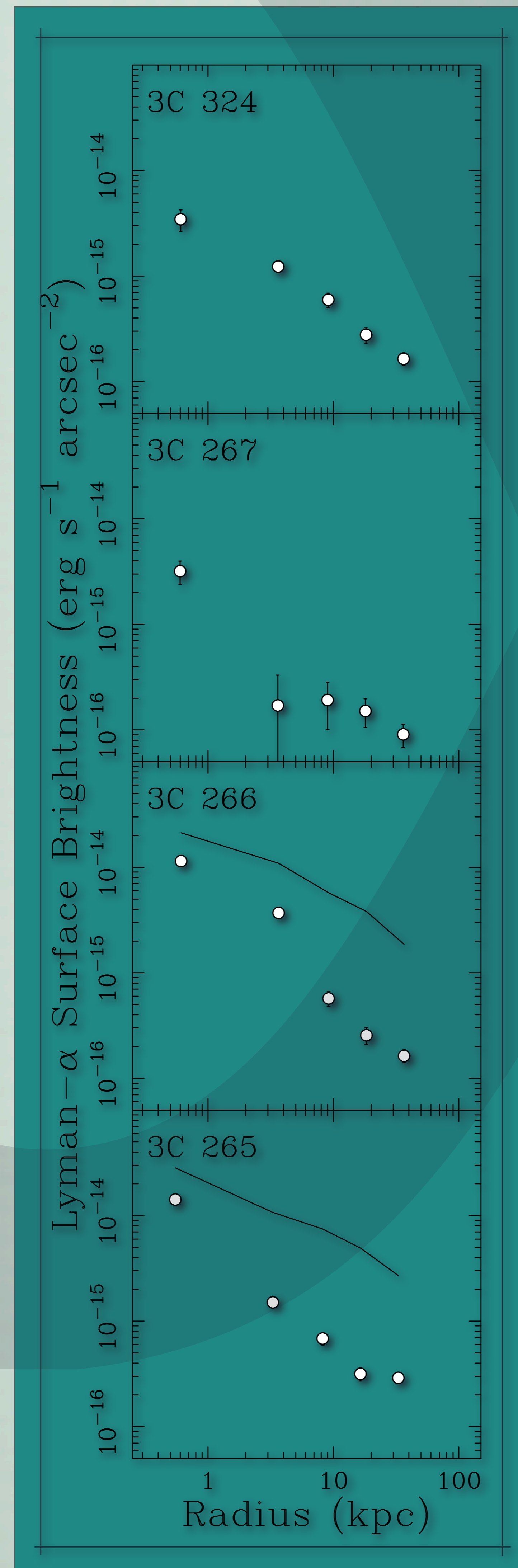
LYMAN-ALPHA HALOS AROUND Z~1 RADIO GALAXIES



HST/STIS PRISM IMAGES OF LYMAN-ALPHA AT Z~1



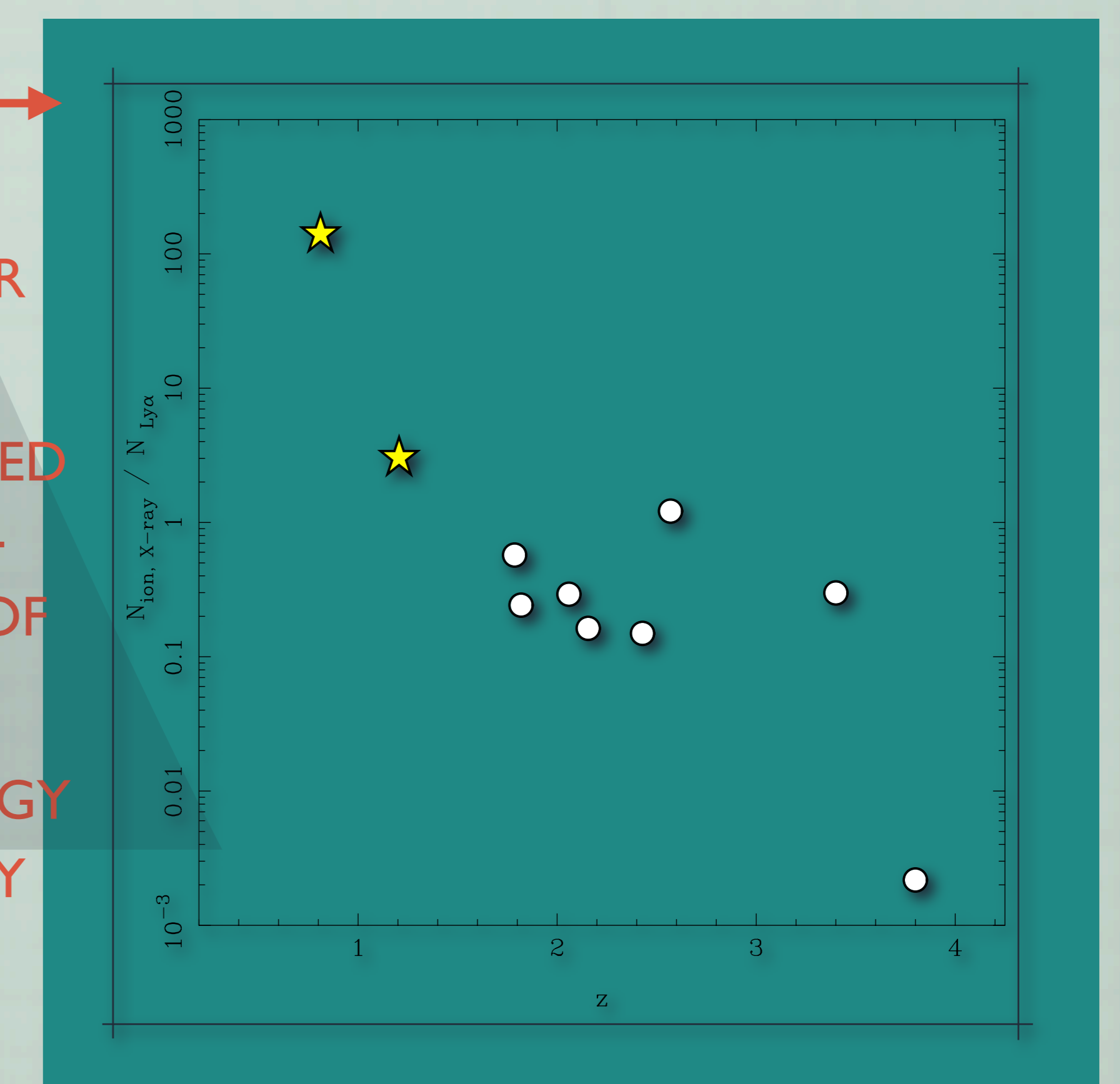
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EVOLUTION OF LYMAN-ALPHA AROUND RADIO GALAXIES

PHYSICS:

CHANGE IN THE PHYSICAL MECHANISM RESPONSIBLE FOR THE LY-ALPHA EMISSION?
RIGHT: RATIO OF X-RAY INFERRED IONIZING FLUX AND LYMAN-ALPHA FLUX AS A FUNCTION OF REDSHIFT.
IS THERE AN ADDITIONAL ENERGY SOURCE AT HIGH-Z ABSENT BY Z~1?



SUMMARY:

WE OBTAINED HST/STIS SLITLESS NUV PRISM SPECTROSCOPY OF FIVE Z~1 POWERFUL RADIO GALAXIES. FOUR SHOW LYMAN-ALPHA EMISSION BUT AT MUCH LOWER (AT LEAST ONE ORDER OF MAGNITUDE) LINE LUMINOSITIES THAN THEIR Z~3 COUNTERPARTS AND WITH POSSIBLY DIFFERENT MORPHOLOGIES.

NO "HIGH-Z" TYPE HALOS SEEM TO BE PRESENT AT Z~1

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