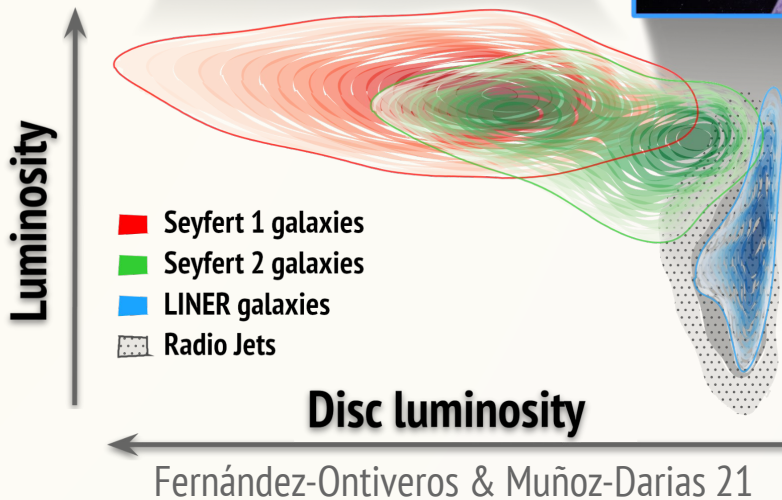
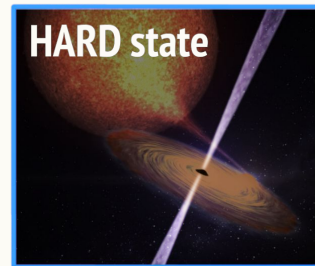
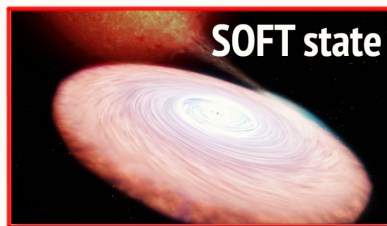


Tracing **Accretion State** Transitions in **AGN**



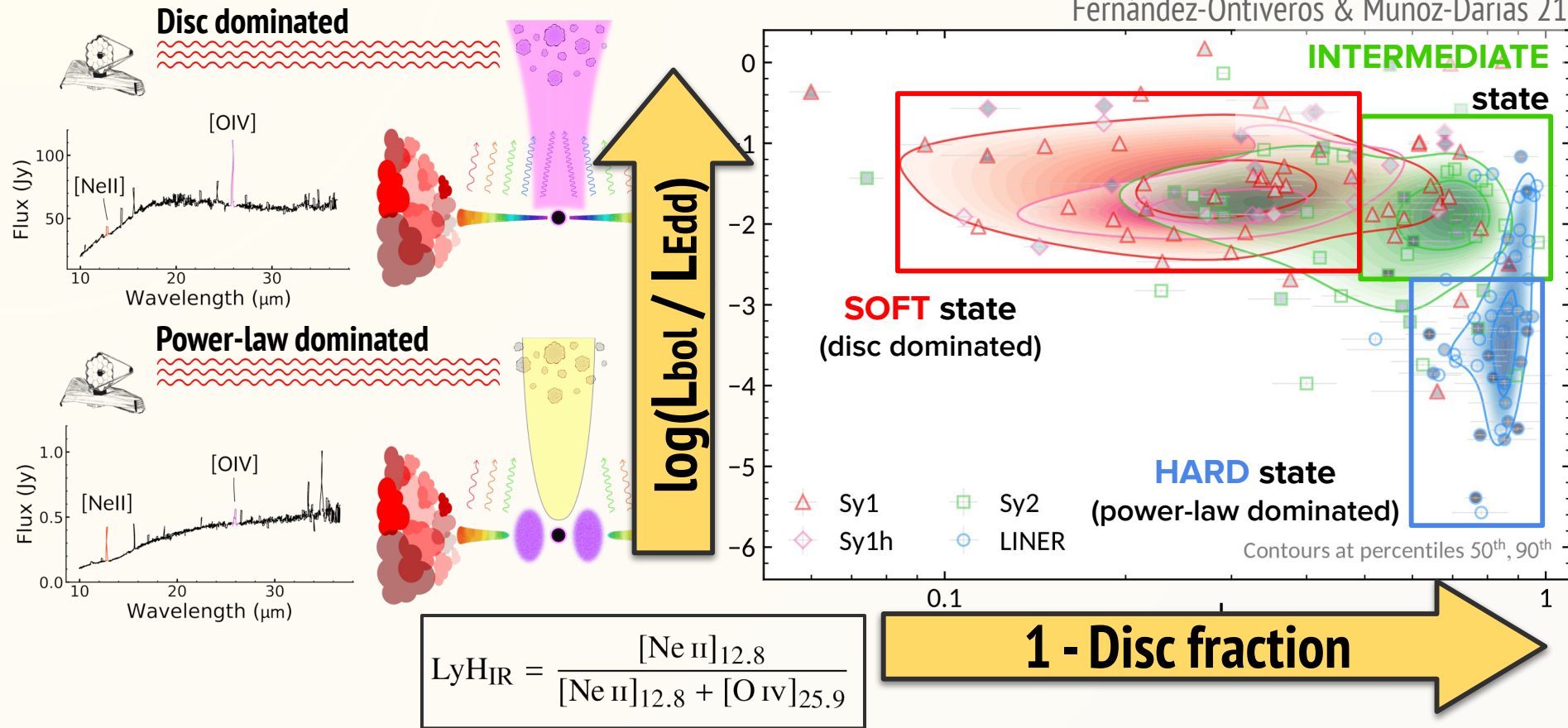
J.A. Fernández-Ontiveros (CEFCFA)
T. Muñoz-Darias (IAC)
P.O. Petrucci (U. Grenoble Alpes)
S. Bianchi (U. Roma Tre)

The 11th Microquasar Workshop: *A Microquasar Odyssey:
Unveiling the Complexities*. Cefalù, 18th September 2025

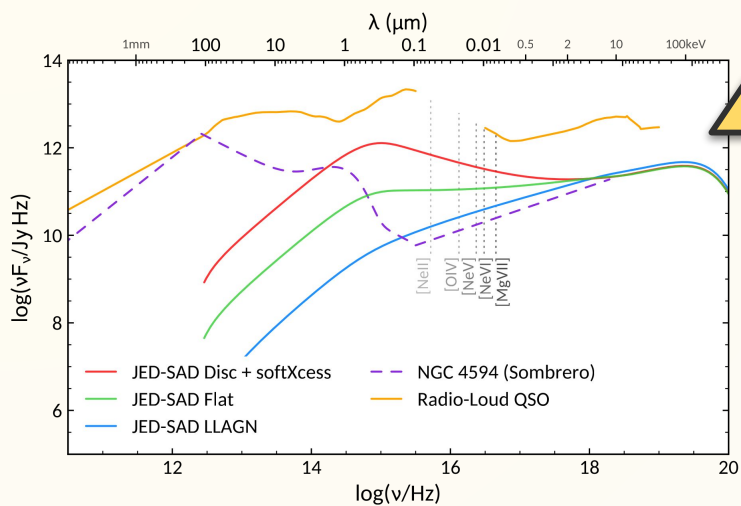


The Luminosity-Excitation Diagram (LED)

Fernández-Ontiveros & Muñoz-Darias 21



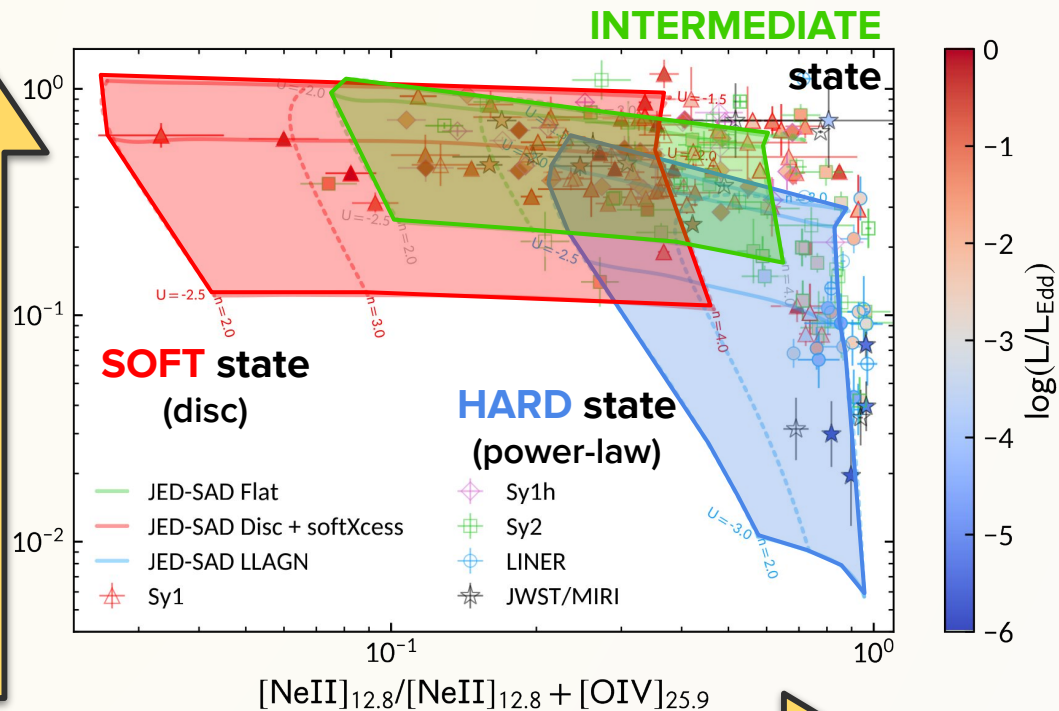
Tracing (possible) accretion state transitions in AGN



Two-coronae models: **disc**, **flat**, & **LLAGN** (e.g. Jin+12, Petrucci+18)
 + Cloudy photoionisation

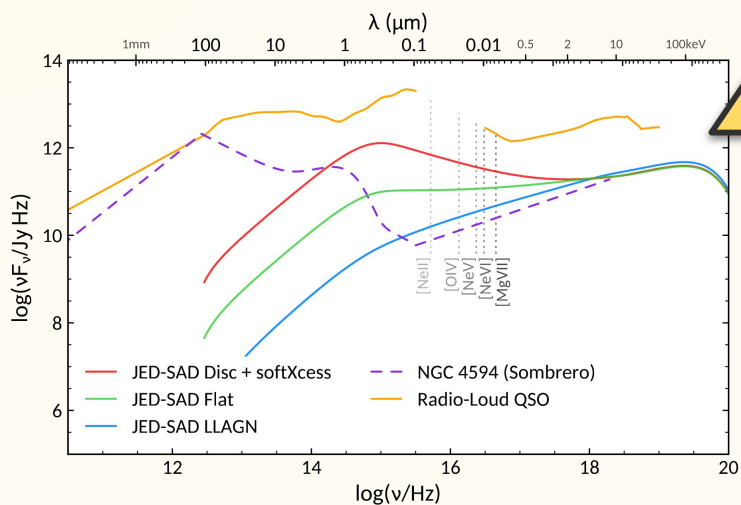
→ **Soft**, **Intermediate** & **Hard** states
 (Fernández-Ontiveros et al. in prep.)

$[\text{NeV}] / [\text{NeIII}] \sim L_{\text{bol}} / L_{\text{Edd}}$



1 - Disc fraction

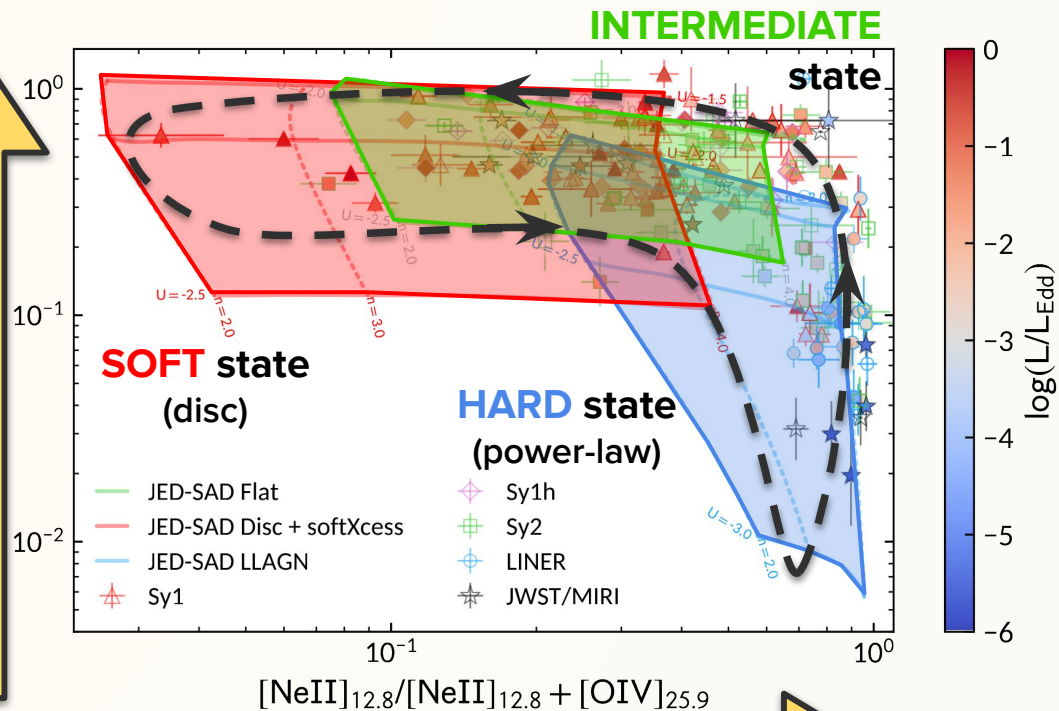
Tracing (possible) accretion state transitions in AGN



Two-coronae models: **disc**, **flat**, & **LLAGN** (e.g. Jin+12, Petrucci+18)
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