Accretion & Outflows in FULL and TRANSITIONAL disks: HELIUM lines analysis



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We investigate the proprieties of winds and accretion in objects at different evolutionary stages. We study the profiles of two helium lines (λ 5876 Å and λ 10830 Å) observed simultaneously with the VLT/X-Shooter instrument

Figure 4. Flux ratio between of BC and NC of He λ 5876 Å vs L_{acc}, color coded for He λ 10830 Å profiles



No differences between TDs and Full disks. From a statistical point of view TD sample is very similar to CTTS sample. If we also look to Figure 2 we can notice that the distribution of TDs is similar to CTTS.

('Weak-Wind' objects)

Systems showing a broad He 5876 component also show strong wind signatures in the He 10830 line. On the other hand, the presence of accretion signatures does not correlate with accretion rate (see also Fig.2).