

	QSO	XRB	TDE	References
M_{BH}	$10^6\text{--}9$	$10^0\text{--}1.8$	$< 10^6\text{--}7(??)$	
\dot{M}	$\sim 1 M_{\odot}/\text{yr}$	$\sim 1 M_{\odot}$	$1 - 10 M_{\odot}/\text{yr}$	
\ddot{M} (\Rightarrow LC shape?)	?	?	?	
a (BH spin)	low, mode, high	generally high		
$\log L/L_{\text{Edd}}$	-2 - 0			
preferential $L_{\text{Edd}}??$	<i>maybe</i> for CLQs			
ang. momen (accn disk)				
$\frac{d}{dt}$ ang. momen	?	?	?	
fuel source	accn disk	accn disk	star	
host galaxy	\sim whole population*	—	post-starburst preference	
	*not local AGN	—		
evolution with z	peaks at $z \sim 2\text{--}3$	—	?	
binary BHs?	\checkmark		\times (probably)	
BLR?	\checkmark	No	\checkmark (but weird?)	
CL-BLR?	\checkmark	No (but...)		
BLR in polarimatory?	Yes	n/a	?	
He II ?	rare		\checkmark	
Coronal Lines	Sometimes	?	Sometimes	
Fe opacity important?	\checkmark	?	?	
[O III] /H β	defines Type #	(no NLR/BLR)	?	
Like a NLS1?	“no”	Yes	?	

Table 1: github.com/d80b2t

	QSO	XRB	TDE
PSD in opt.	changes with \dot{M}		
PSD in X-ray	no evolution		
PSD in IR	?		n/a?
X-rays	yes	By definition	No (except when there are)
Hard state?		Yes	
X-ray variability? (soft)	Yes	Yes	
X-ray variability? (hard)			
corona?	Yes	$\sqrt{}/\times$ (Big debate)	?
Radio variability	$\sqrt{}$		
Infrared variability	$\sqrt{}$		$\sqrt{}$ (probably)
Is x important?			
Viscous timescale	Incredibly		
X-ray Reprocessing	Yes		
IR Reprocessing	Yes		
Atomic Physics			
Challenges SS73?	AGN disk (x4) too big		