

High Mass X-ray Binaries in the NIR.

Motivation.

- Maximum NS mass unknown.
- Many NS EoS theorised.

Eclipsing X-ray Binary pulsars.

- OAO 1657-415 and EXO 1722-363

Observational Data

- 2008 multi-epoch obs. with VLT/ISAAC in H and K bands.

Spectral Classification

- EXO 1722-363 typical B supergiant B0-B1 Ia
- OAO 1657-415 is Ofpe/WN9

NS masses found

EXO 1722-363 : $M_{NS} : 1.4 - 1.6 \pm 0.38 M_{\odot}$

OAO 1657-415 : $M_{NS} : 1.4 - 1.7 \pm 0.28 M_{\odot}$

These are the first NS mass determinations using NIR obs.

