

Anatomy of the AGN in NGC 5548: the X-ray Narrow Emission Lines

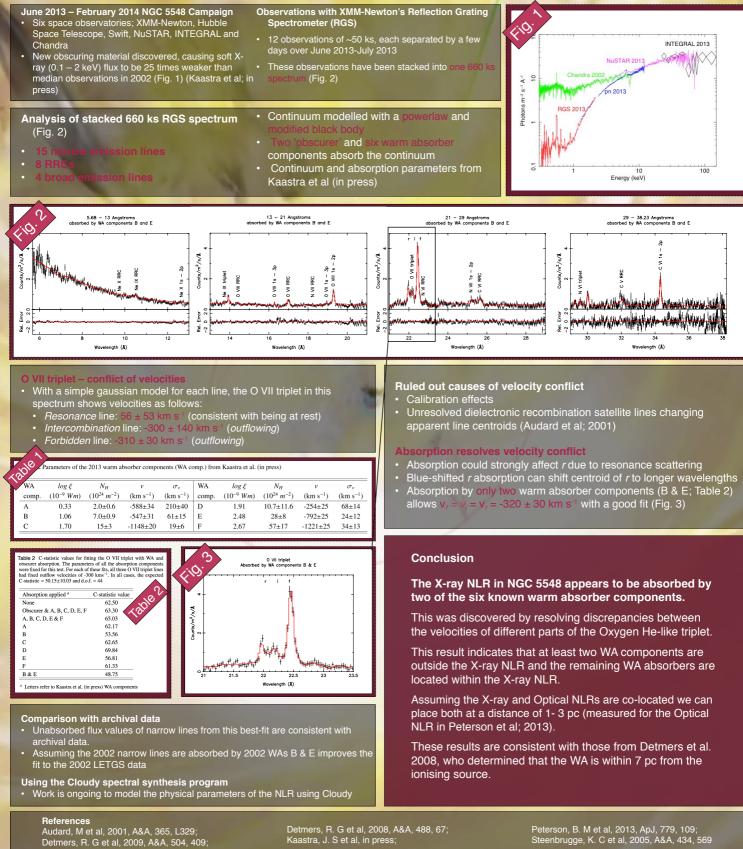
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F36

Abstract

We present here a stacked XMM-RGS spectrum (660 ks) of NGC 5548. NGC 5548 has historically been seen as the 'typical' Seyfert 1 galaxy, but here narrow emission lines, including He-like triplets of Oxygen, Nitrogen and Neon, and radiative recombination (RRC) features dominate the spectrum due to the unexpectedly low soft X-ray continuum flux. The three O VII triplet lines appear to have different velocities. This inconsistency is resolved by allowing the X-ray narrow line region (NLR) to be absorbed by two of the six warm absorber components in this source.



Detmers, R. G et al, 2008, A&A, 488, 67; Kaastra, J. S et al. in press: