At the rescue of elusive SNRs with XMM-Newton and Chandra


ABSTRACT. We present the first results of a far-reaching Spanish-Argentinian research program aimed at disclosing X-ray supernova remnants (SNRs). Here we report results on three remnants. Three of them belong to the mixed-morphology class. We have discovered a candidate for COO in one of them. The other objects are a PWN, and a very unusual source formed by a partial shell, internal X-ray emission and a possible compact object centered at the radio structure.

XMM-NEWTON detection of the supernova remnant Cassiopeia A (NGC 6888) [Fig. 2]

XMM-NEWTON discovery of thermal X-ray emission in the supernova remnant Cassiopeia A (NGC 6888) [Fig. 4]

XMM-NEWTON study of the SNR G397-5.1 and the Centrino object CXOU J070717.0-324332 [Fig. 6]

XMM-NEWTON detection of the supernova remnant G335.4-0.3 [Fig. 8]

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