Spectrophotometric properties of the Chandra sources in M81

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Abstract

An ACIS-S imaging observation of the nearby Sab spiral galaxy M81 reveals a rich diversity among the some 90 sources detected. In addition to the primary target, SN 1993J, Chandra resolves the nuclear region of M81, images 8 other super-Eddington sources, 7 very soft sources, and numerous SNRs and x-ray binaries within the host galaxy. Spectroscopic and photometric surveys of the brightest sources in the field are presented.

CATEGORY: NORMAL GALAXIES