# Chandra Detection of the "Duck" Pulsar PSR B1757−24

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## Abstract

We present Chandra/ACIS observations of the "duck" pulsar PSR B1757−24. In particular, we report the first X-ray detection of the point source, as well as the detection of faint extended emission in the direction of its radio trail. We discuss these results in the context of the pulsar's spin-down luminosity and its conversion into magnetospheric emission as well as the pulsar wind. In addition, we discuss constraints on the X-ray emission from the nearby supernova remnant G5.4−1.2.

CATEGORY: SUPERNOVAE, SUPERNOVA REMNANTS AND ISOLATED NEUTRON STARS