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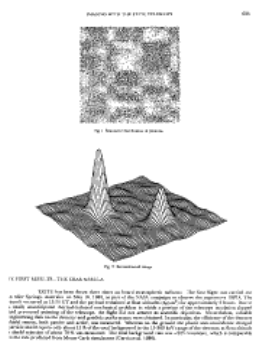
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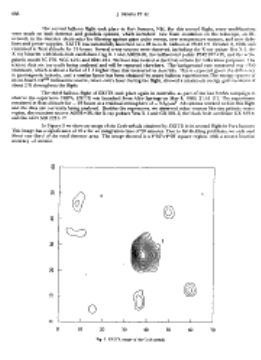
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HARD X-RAY ARCMIN IMAGING WITH THE EXITE TELES

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RESUMO: Neste trabalho descreve-se o "Energetic X-ray Imaging Telescope (EXITE) e mostram-se os primeiros resultados obtidos. Discute-se o método codificada, utilizado em EXITE, para obtenção de imagens de fontes cósmicas

ABSTRACT: In this paper we describe the Energetic X-ray Imaging Telescope (EXITE) and show the first results obtained. We discuss the coded-aperture imaging of cosmic X-ray sources, used by EXITE.

Key words: INSTRUMENTS - X-RAYS - SOURCES

INTRODUCTION

The Energetic X-ray Imaging Telescope Experiment (EXITE) is a balloon-borne electromagnetic radiation in the hard X-ray range. (Grindlay *et al.* 1986; Garcia *et al.* 1986) a solution of EXITE can resolve the hard X-ray sources in the most crowded regions of the sky. This is the best achieved by present instruments. The imaging capability is provided by the position-sensitive X-ray detector. Recent improvements on the detector and gondola system (Braga, and Grindlay (1988), and both calibration results and flight performance of EXITE (Covault and Grindlay (1989)). EXITE observed a variety of both galactic (Covault, Braga, and Grindlay (1988)) objects. In this paper we present preliminary results, with emphasis on hard X-ray imaging of the Crab nebula, and discuss the hard X-ray imaging of cosmic sources.

1. INSTRUMENT DESCRIPTION