

Search for muon point sources

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Abstract. The Soudan 2 Detector, a deep underground tracking calorimeter, has measured ~ 50 million deep underground muons from January 1989 to the present day. We report on an examination of these events looking for possible point sources. In particular, we report on muons from the direction of the x-ray binary Cygnus X-3 during intervals of major ra-

dio radio flares. A set of flares during Spring and Fall 2000, of intensity similar to flares observed during 1989-1991, provides a new opportunity to examine any possible relationship between Cygnus X-3 radio flares and muon flux.