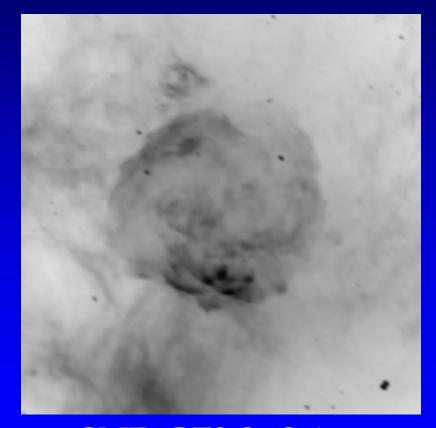


Martin C. Weisskopf, Roger W. Romani, Massimiliano Razzano, Andrea Belfiore, Pablo Saz Parkinson, Paul S. Ray, Matthew Kerr, Alice Harding, Douglas A. Swartz, Alberto Carraminana, Marcus Ziegler, Werner Becker, Andrea De Luca, Nichael Dormody, David J. Thompson, Gottfried Kanbach, Ronald F. Elsner, Stephen L. O'Dell, Allyn F. Tennant



PSR J2021+4026 is the Fermi-LAT 265-ms pulsar "Gamma-Cygni"

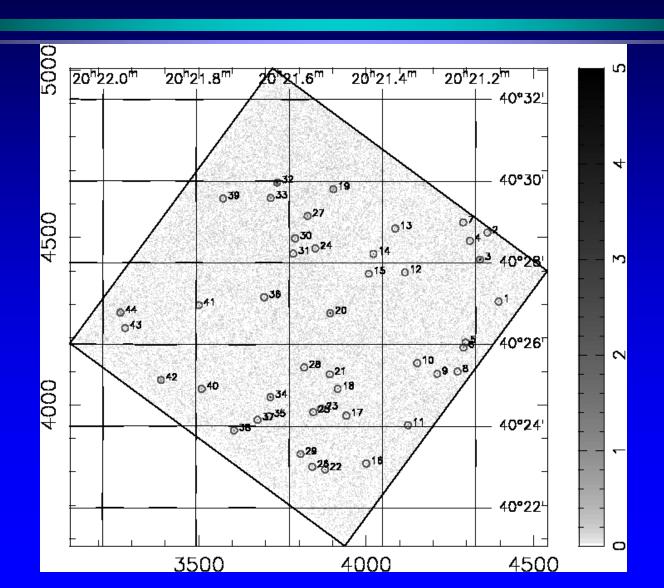
- 2CG 078+2 (COS-B)
- 3EG J2020+4017



• SNR G78.2+2.1

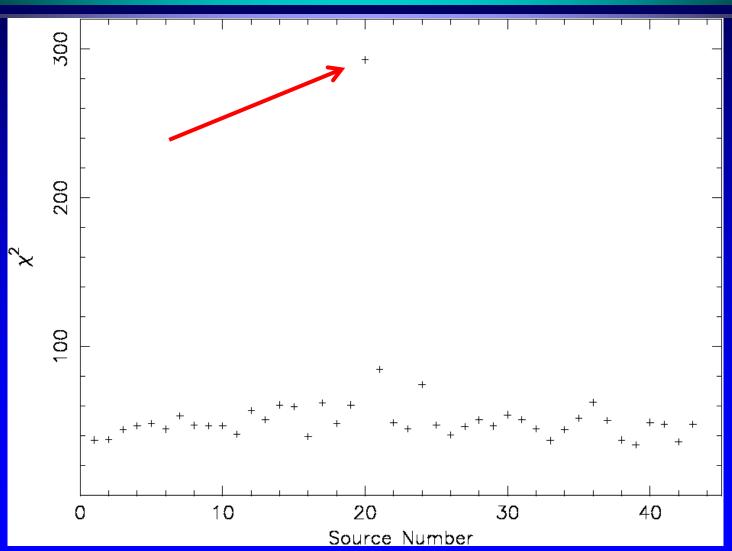


Where is the beef?



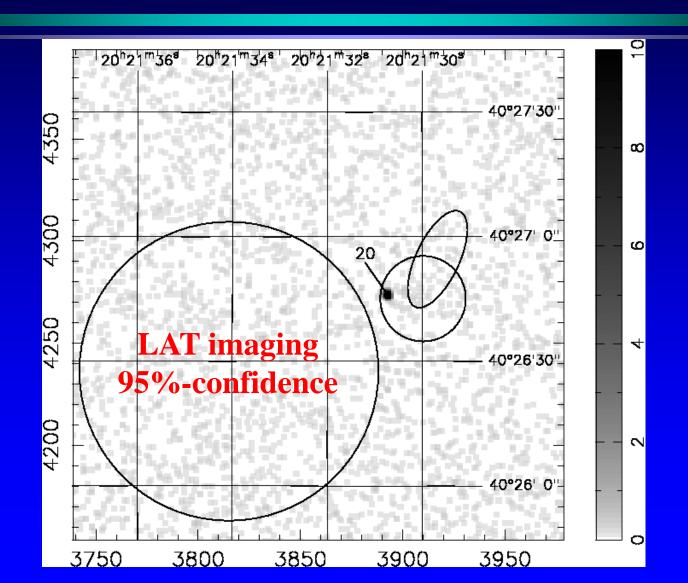


S20 is the most-likely the X-ray counterpart



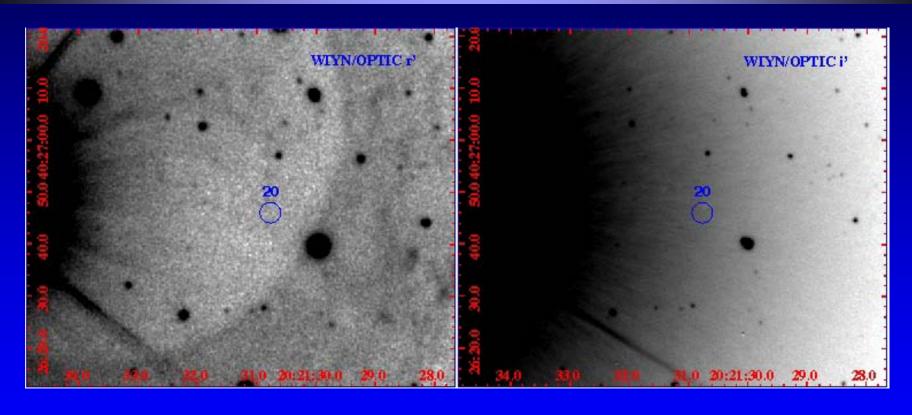


The Chandra source is the best choice by position





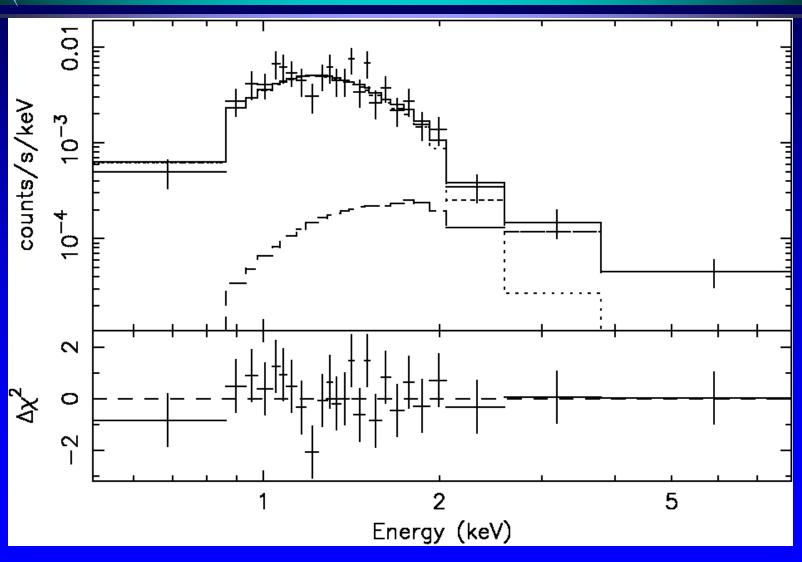
No optical counterpart: r' > 25.2



$$F_X/F_V \ge 250$$



The X-ray spectrum is consistent with the thermal emission we expect





Why we are (almost) sure

- The X-ray candidate is only 14.7" from the best-fitting γ-ray timing solution
 - within the combined statistical and systematic errors
 - No other X-ray sources within 1'
- Spectral shape consistent with soft [logT ~ 6.0-6.5] thermal emission
- > $F_{\gamma}/F_{X} \sim 1.1 \times 10^{4}$
- Does it pulse?