

Ultraviolet Emission from Isolated Neutron Stars

George G. Pavlov^{1*}, Oleg Kargaltsev^{2†}, Blagoy Rangelov^{3‡}

¹Pennsylvania State University, Dept. of Astronomy & Astrophysics, 525 Davey Lab.,
University Park, PA 16803, USA

²George Washington University, Dept. of Physics, 707 22nd Street NW, Washington, DC
20052, USA

³Texas State University, Dept. of Physics, 601 University Drive, San Marcos, TX 78666,
USA

The launch of the *Hubble Space Telescope (HST)* 27 years ago made it possible to study UV emission from neutron stars (NSs). Only a handful of NSs have been observed in UV, but each of these observations provided important new information on NS properties. Particularly interesting were the measurements of surface temperatures of old NSs, including two millisecond pulsars, and the unexpected discovery of far-UV bow shocks. I will overview the results of UV observations of isolated NSs of different types throughout the *HST* era and discuss the perspectives of future UV observations.

*E-mail: ggp1@psu.edu

†E-mail: kargaltsev@gwu.edu

‡E-mail: rangelov@txstate.edu