

# 6th Summer School on INtelligent signal processing for FrontIER Research and Industry



Contribution ID: 58

Type: **not specified**

## The NANCY GRACE ROMAN SPACE TELESCOPE

*Wednesday 1 September 2021 19:00 (1h 15m)*

Dr Julie McEnery is the Chair Senior Scientist Project of the Nancy Grace Roman Space Telescope. Julie McEnery was the Project Scientist for the Fermi gamma-ray Space Telescope and an astrophysicist in the Astrophysics Science Division of NASA's Goddard Space Flight Center. She is an Adjunct Professor of Physics at the University of Maryland and at the George Washington University. She is co-Director of the Joint Space Science Institute between Goddard Space Flight Center and the University of Maryland. In 2011, she was elected a fellow of the American Physical Society.

As Fermi Project Scientist, a role she took on in 2009, Julie provides scientific guidance and information to mission staff, working with all elements of the mission – from instrument teams to mission operations. These efforts will maximize scientific return from the observatory. She is involved in all LAT science topics, as well as with team science activities such as low-level simulations, analysis development, and publication planning.

Julie previously served as the Analysis Coordinator on the Large Area Telescope (LAT), Fermi's primary science instrument. In this role, she coordinated the science activities within the LAT instrument team. She was named one of Fermi's deputy project scientists in 2005.

Julie has previously worked with ground-based gamma-ray telescopes, which detect Cherenkov radiation produced when gamma rays from deep space strike Earth's atmosphere. As a graduate student she used the Whipple Observatory to make very-high-energy observations of the active galaxy Markarian 421. She later worked with the Milagro collaboration primarily on gamma-ray burst (GRB) observations. Active galaxies and GRBs remain her main science interests, but she also explores interesting topics in other areas.

In April 1990 she was an observer at the United Kingdom's Schmidt Telescope at Siding Spring, Australia. From 1993 to 1997 she was a postgraduate scholar at University College Dublin, Ireland. From 1997 to 1999 she was a Postdoctoral Research Associate at the University of Utah, Salt Lake City. She was an Assistant Scientist at the University of Wisconsin, Madison, from 2000 to 2002. From 2002 to 2005 she was a Fermi research scientist at the University of Maryland, Baltimore County.

She is a member of several organizations and instrument teams, including the American Physical Society, the American Astronomical Society, the Milagro Collaboration, and the VERITAS Collaboration.

Julie received her BSc in Physics with Astrophysics from the University of Manchester in June 1993. In August 1997 she received her Ph.D. in Physics from University College Dublin  
(Credit NASA Content Administrator)

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**Session Classification:** FUTURE in SPACE