

Groups within PhysPAG

David Pooley (Trinity University)
PhysPAG EC Chair

AAS 245

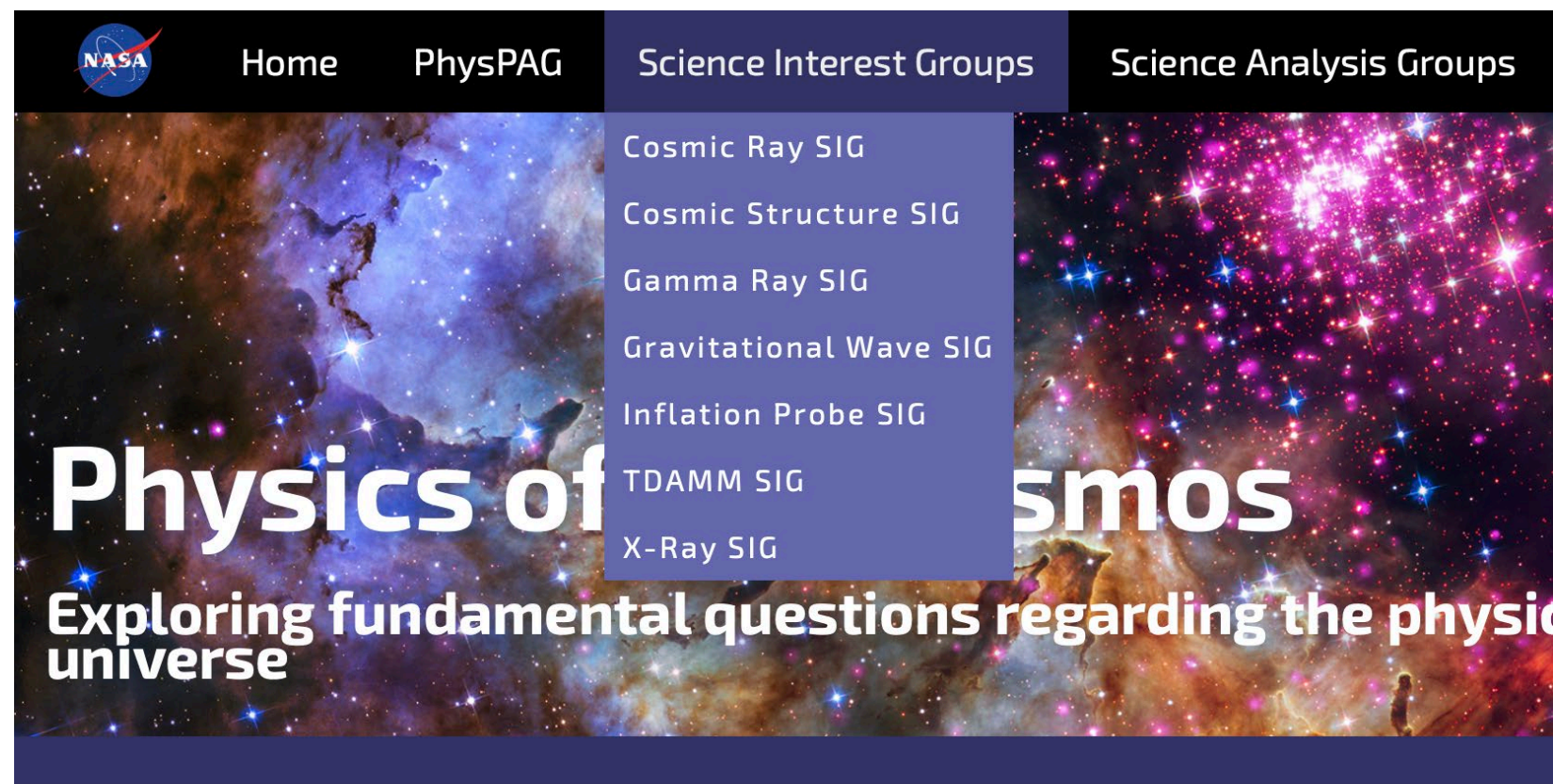
There are many standing groups of scientists that are organized either by waveband or science topic.

“Science Interest Groups”
(SIGs)

There are also single purpose, limited term groups whose goal is to address a specific question and produce one or more reports at the end of its term for the NASA Astrophysics Division Director.

“Science Analysis Groups”
(SAGs)

Go to <https://pcos.gsfc.nasa.gov/>



About Physics of the Cosmos

The Physics of the Cosmos (PhysCOS) Program is one of three focused programs contained within NASA's [Astrophysics Division \(APD\)](#), together with [Cosmic Origins \(COR\)](#) and the [Exoplanet Exploration Program \(ExEP\)](#). PhysCOS lies at the intersection of physics and astronomy. Its purpose is to explore some of the most fundamental questions regarding the physical forces and laws of the universe: the validity of Einstein's General Theory of Relativity and the nature of spacetime, the behavior of matter and energy in extreme environments, the cosmological parameters governing inflation and the evolution of the universe, and the nature of dark matter and dark energy.



Cosmic Rays & Neutrinos SIG

Co-chairs: Tsuguo Aramaki (Northwestern), Athina Meli (NC A&T), Stephanie Wissel (Penn State)



Image: Jelly Fish Nebula (IC 443) source of cosmic rays. Credit: NASA / DOE / Fermi LAT Collaboration, NOAO / AURA / NSF, JPL-Caltech/UCLA

email

CosmicSAG-join@lists.nasa.gov
with Subject="join"

Cosmic Structure SIG

Co-chairs: Rebekah Hounsell (UMBC/GSFC), Vivian Miranda (Stony Brook)

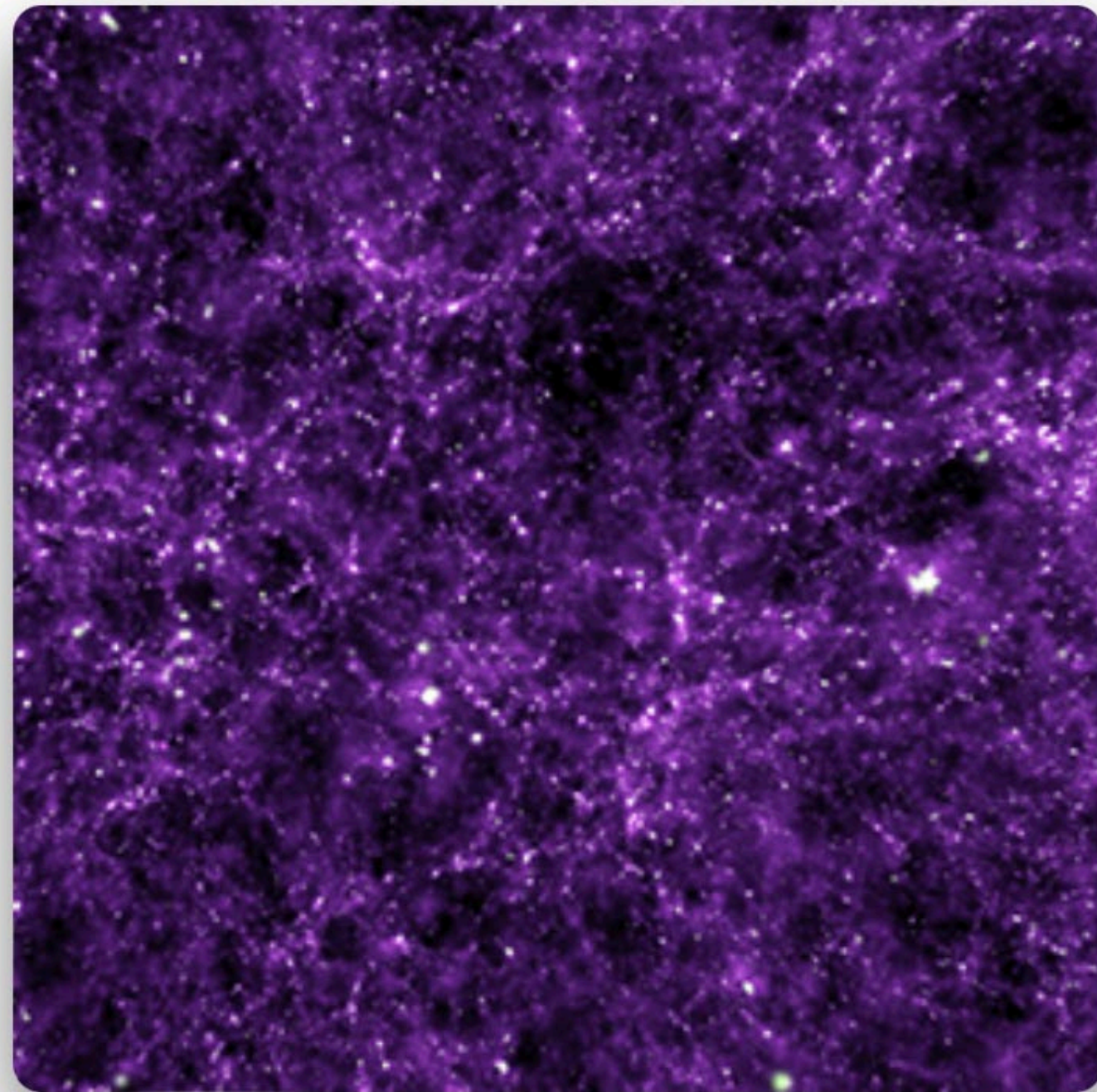


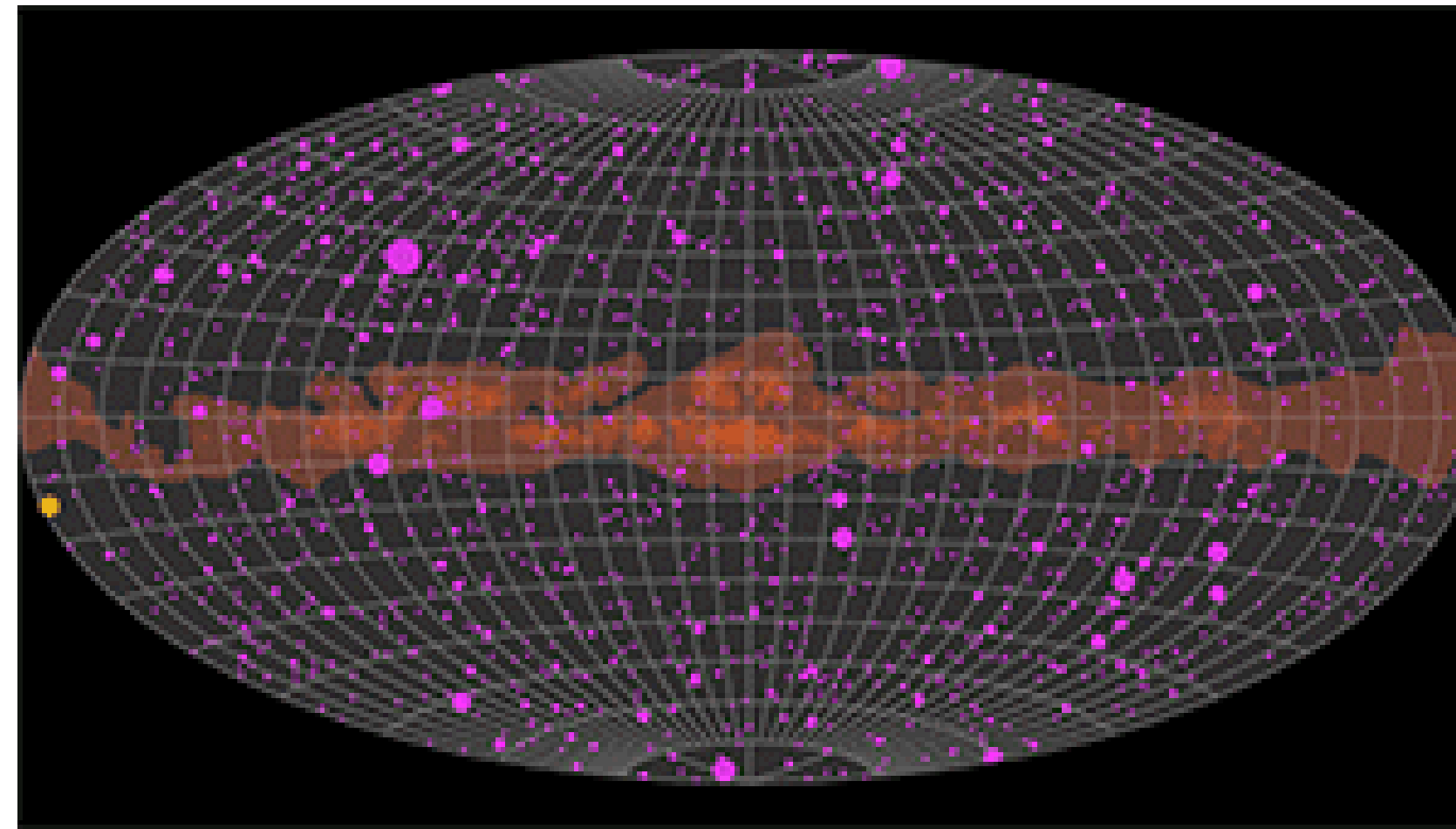
Image: Cosmic Web. Credit: NASA/NCSA University of Illinois Visualization by Frank Summers, Space Telescope Science Institute, Simulation by Martin White and Lars Hernquist, Harvard University.

email

CoSSIG-join@lists.nasa.gov
with Subject="join"

Gamma Ray SIG

Co-chairs: Manel Errando (WashU St Louis), Jeremy Perkins (GSFC), TBD



email

GammaSAG-join@lists.nasa.gov
with Subject="join"

Grav. Wave SIG

Co-chairs: Chiara Mingarelli (Yale), Alessandra Corsi (JHU)

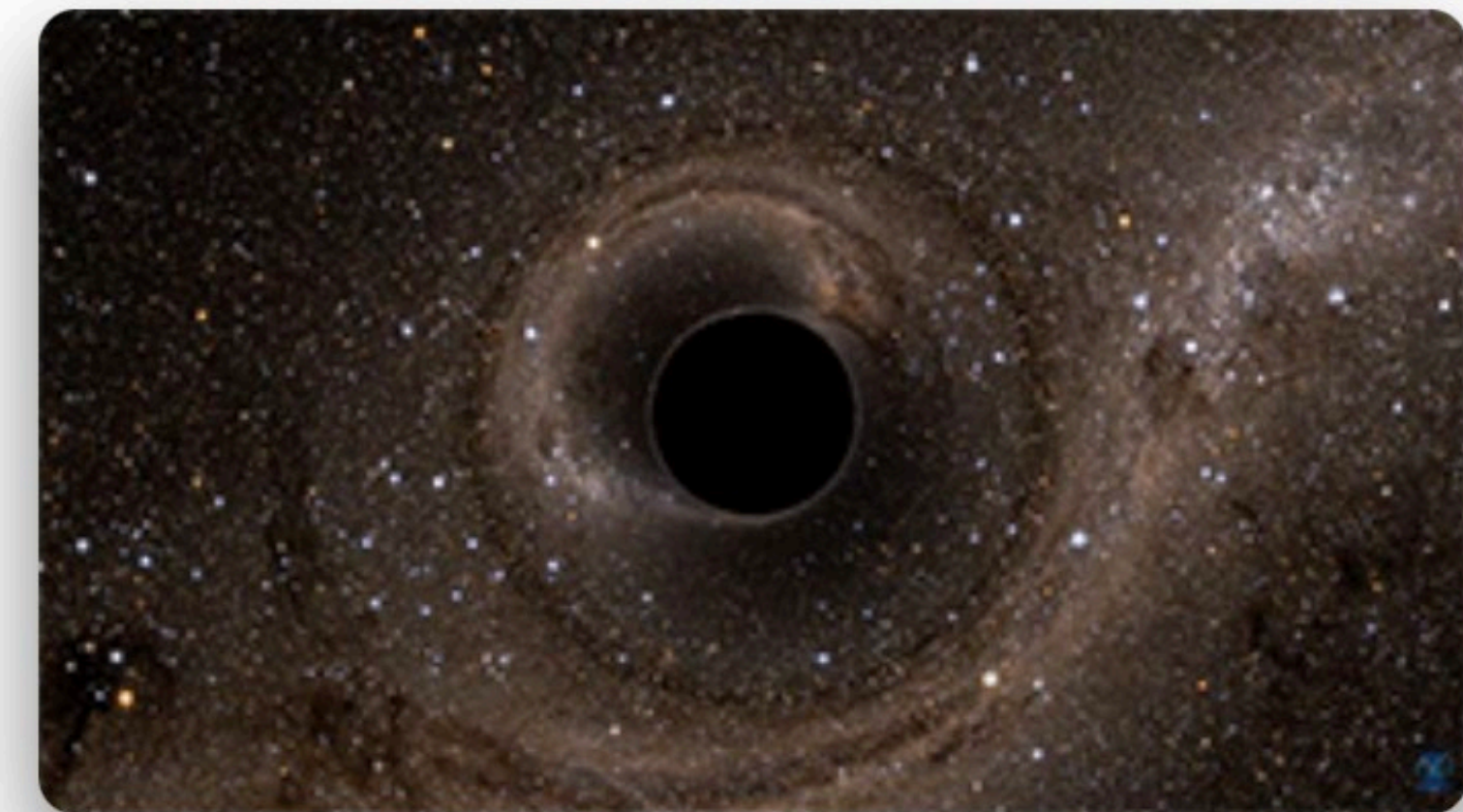


Image: Gravitational Waves Detected 100 Years After Einstein's Prediction.. Credit: The SXS (Simulating eXtreme Spacetimes) Project

email

GWSAG-join@lists.nasa.gov
with Subject="join"

Inflation Probe SIG

Chair: Roger O'Brient (JPL)

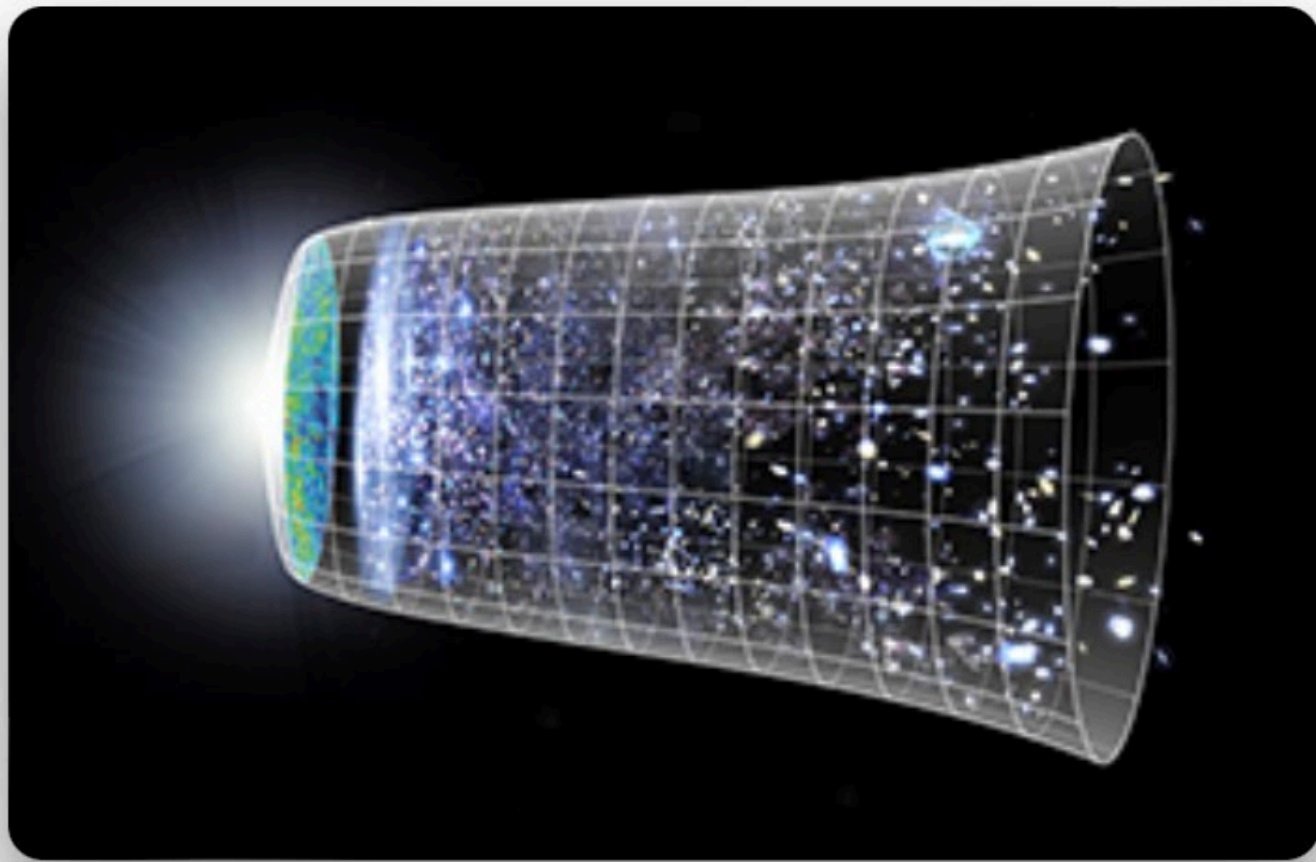


Image: [Timeline of the Universe](#). Credit: NASA / WMAP Science Team

email

IPSAG-join@lists.nasa.gov
with Subject="join"

TDAMM SIG

Co-chairs: Rebekah Hounsell (UMBC/GSFC), Brad Cenko (NASA/GSFC), Ian Crossfield (Kansas)



Image: Time Domain and Multi-Messenger Astrophysics Science Interest Group (TDAMM SIG)

email

TDAMM-SIG-join@lists.nasa.gov
with Subject="join"

X-ray SIG

Co-chairs: Breanna Binder (Cal Poly Pomona), Chien-Ting Chen (USRA/MSFC), Brian Grefenstette (Caltech), David Pooley (Trinity)

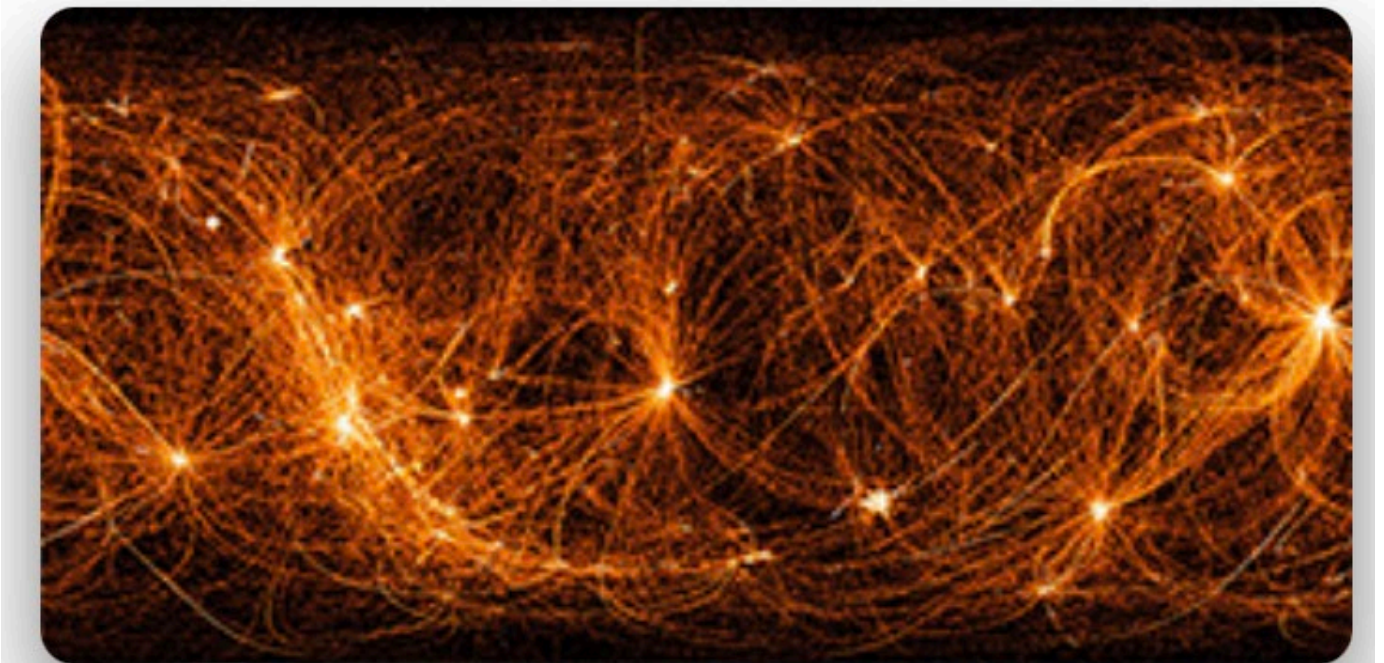


Image: [NICER's Night Moves Trace the X-ray Sky](#). Credit: NASA / NICER

email

XRSAG-join@lists.nasa.gov
with Subject="join"