ANDREW K. SAYDJARI

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SELECTED PRESENTATIONS

I have given **34+ public science talks**. Highlights include:

Invited Conference Talks

NASA NHFP Symposium 2024	September 2024
The Highest Angular Resolution 3D Dust Map (and Why Bayesian Component Separation Methods are Crucial)	
Galactic Science with the Nancy Grace Roman Space Telescope	June 2024
The DECam Plane Survey as a Roman Plane Survey Pathfinder	
JSM 2022: Astrostatistics Interest Group: Student Paper Award	August 2022
Photometry on Structured Backgrounds: Local Pixelwise Infilling by Regression	

Contributed Conference Talks

Sloan Digital Sky Survey V (SDSS-V) Collaboration Meeting	June 2024
Diffuse Interstellar Bands in APOGEE: Unlocking Precision Dust Kinematics	
New Computational Methods in Milky Way Dynamics and Structure @ Ringberg	July 2024
Bayesian Component Separation for Ground Based Spectra: Transforming Diffuse Interstellar Bands into Precision Kinematic Tracers	
Sloan Digital Sky Survey V (SDSS-V) Collaboration Meeting	August 2023
A New MWM Pipeline: Separating APOGEE Spectra into Components	
Statistical Challenges in Machine Learning and Astrophysics (SCMA) VIII	June 2023
Measuring the 8621 Å Diffuse Interstellar Band in Gaia DR3 RVS Spectra: Obtaining a Clean Catalog by Marginalizing over Stellar Types	
RAS Specialist Discussion: 1D ML	March 2023
Measuring the 8621 Å Diffuse Interstellar Band in Gaia DR3 RVS Spectra	
AAS 241: Dust	January 2023
Measuring the 8621 Å Diffuse Interstellar Band in Gaia DR3 RVS Spectra	
DECam at 10 Years Workshop	September 2022
The Dark Energy Camera Plane Survey 2 (DECaPS2): More Sky, Less Bias, and Better Uncertainties	
Interstellar Institute #5: With Two Eyes	July 2022
Component Separation: An Application to Gaia RVS and APOGEE Spectra	
AAS 240: Computation, Data Handling, Image Analysis	June 2022
The DECam Plane Survey (DECaPS2): Optical photometry of 3.3 billion stars in the southern Galactic plane	
APS: March Meeting	March 2019
Enhancing Superconductivity in Indium Arsenide Quantum Well Heterostructures	

Seminars, Lunch Talks, & Journal Clubs

CFA: Institute for Theory and Computation (ITC), Keto Award Seminar	May 2024

The Spatial, Kinematic, and Chemical Complexity of Dust

Caltech: Obscos Seminar   October 2023
   Probabilistic Component Separation: Deconstructing Photometric and Spectroscopic Pipelines
Princeton: Thunch   September 2023
   Probabilistic Component Separation: Deconstructing Photometric and Spectroscopic Pipelines
UWSeattle: Astro Lunch   April 2023
   Probabilistic Component Separation: Deconstructing Photometric and Spectroscopic Pipelines
STScI: Low Density Universe Seminar   April 2023
   Measuring the 8621 Å Diffuse Interstellar Band in Gaia DR3 RVS Spectra
CIELA: Astromérique Seminar (Montreal)   February 2023
   Measuring the 8621 Å Diffuse Interstellar Band in Gaia DR3 RVS Spectra
CHASC: Astrostatistics Seminar   January 2023
   Measuring the 8621 Å Diffuse Interstellar Band in Gaia DR3 RVS Spectra
CFA: Institute for Theory and Computation (ITC) Lunch   October 2022
   The Dark Energy Camera Plane Survey 2 (DECaPS2): More Sky, Less Bias,
   and Better Uncertainties
CFA: Institute for Theory and Computation (ITC) Lunch   March 2022
   Photometry on Structured Backgrounds
University of Toronto: Statistics and MachIne LEarning (SMILE) Journal Club   February 2022
   Photometry on Structured Backgrounds
IAS: Pan-Experiment Galactic Science Group   July 2021
   Learning from ISM Texture using the Wavelet Scattering Transform
LPENS: AstroLunch   December 2020
   Scattering Transform Methods: Applications to Galactic Dust

Flash Talks & Posters

AAS 243: Data Tools and Open Science   January 2024
   Separating Ground-based Spectra into Components: Marginalizing over Sky and Dust
DESI Collaboration Meeting   December 2023
Surveying the Milky Way: The Universe in Our Own Backyard   October 2023
Sloan Digital Sky Survey V (SDSS-V) Science Festival   November 2022
Smithsonian Astronomical Observatory (SAO) Advisory Council   November 2022
Institute for Artificial Intelligence and Fundamental Interactions (IAIFI)   September 2022
Seeing the Future: A Conference in Honour of Alyssa Goodman   May 2022
Harvard-Heidelberg Star Formation Conference   November 2020
Center for Integrated Quantum Materials (CIQM)   October 2019