Monday, July 30, 2018

8:30 AM – 9:00 AM	Participant Check-in
9:00 AM – 9:15 AM	Welcome & Opening Remarks Claude-André Faucher-Giguère (Northwestern) Jonathan Stern (Northwestern)

Session 1 **Chair: Jason Tumlinson**

9:15 AM – 9:50 AM	John Stocke (CASA, U of Colorado): The COS GTO Survey of the Low Redshift CGM & IGM
9:50 AM – 10:25 AM	Jessica Werk (U. of Washington): The CGM
	COFFEE BREAK
10:50 AM – 11:25 AM	Hsiao-Wen Chen (U. of Chicago): The CGM of Massive Quiescent Galaxies
11:25 AM – 12:00 PM	Mary Putman (Columbia): Milky Way CGM
12:00 PM – 12:35 PM	Gwen Rudie (The Carnegie Observatories): The Chemistry and Physical Conditions within the High-Redshift CGM
	LUNCH BREAK (independent)

Session 2 **Chair: Andrey Kravtsov**

2:15 PM – 2:50 PM	Ben Oppenheimer (U. of Colorado): How the CGM Scales Across a Factor of 200 in Halo Mass
2:50 PM – 3:25 PM	Yakov Faerman (Hebrew U. of Jerusalem): Warm/Hot Galactic Coronae
	COFFEE BREAK
3:50 PM – 4:25 PM	Jonathan Stern (Northwestern): Pre- and Post-Accretion Shock Gas in the Halos of ~L* Galaxies
4:25 PM – 5:00 PM	Mark Voit (Michigan State): The CGM from a Precipitation Perspective

Tuesday, July 31, 2018

Session 3 **Chair: Molly Peeples**

9:00 AM – 9:35 AM	James Bullock (UC Irvine): Angular Momentum and Structure of the CGM from Simulations
9:35 AM – 10:10 AM	Lauren Corlies (Johns Hopkins University): FOGGIE: CGM Emission at z>~2
10:10 AM – 10:45 AM	Claude-André Faucher-Giguère (Northwestern): Overview and Selected Results from the FIRE Simulations
	COFFEE BREAK
11:10 AM – 11:45 AM	Dusan Keres (UC San Diego): Gaseous Halos in FIRE Simulations
11:45 AM – 12:20 PM	Andrey Kravtsov (U. Chicago): The Cycles of Gas In and Out of Galaxies
12:20 PM – 12:35 PM	Clarke Esmerian (U. Chicago): The Hot Gaseous Halos of Simulated L* Galaxies
	LUNCH BREAK (independent)

Session 4 **Chair: Mary Putman**

2:05 PM – 2:40 PM	Gurtina Besla (U. of Arizona): The CGM of Low Mass Galaxies in a Hierarchical Framework
2:40 PM – 3:15 PM	Joel Bregman (U. of Michigan): Hot Gas Constraints on Galaxy Halos from X-Ray and SZ Observations
3:15 PM – 3:30 PM	Zhijie Qu (U. of Michigan): The Mass and Column of Galactic Gaseous Halos
	GROUP PHOTO & COFFEE BREAK
4:00 PM – 4:35 PM	Sean Johnson (Princeton): Surveys of Metal Enriched Halo Gas at z<1 Around Galaxies from Field Dwarfs to Quasar Hosts
4:35 PM – 5:10 PM	Joe Burchett (UC Santa Cruz): Neon Ate My Photoionized Circumgalactic Baryon Model
5:10 PM – 5:45 PM	Nicolas Lehner (Notre Dame): The COS CGM Compendium (CCC): Metallicity of the CGM at z<1

Wednesday, August 1, 2018

Session 5 **Chair: Amiel Sternberg**

9:00 AM – 9:35 AM	Crystal Martin (UC Santa Barbara): Kinematics of Circumgalactic Gas
9:35 AM – 10:10 AM	Andrew Fox (STScI): Insights into the Inner Circumgalactic Medium of the Milky Way
10:10 AM – 10:45 AM	Kat Barger (Texas Christian U.): Large-scale Galactic Outflows and Tidal Processes of the Magellanic Cloud Galaxies

10:45 AM – 11:00 AM Fakhri Zahedy (U. Chicago): Circumgalactic Medium of Massive Quiescent Galaxies at z~0.5: Physical Conditions and Chemical Abundance

COFFEE BREAK

11:25 AM – 12:00 PM Joop Schaye (Leiden Observatory): Observations and Simulations of the CGM

12:00 PM – 12:35 PM Dylan Nelson (MPA Munich): OVI, OVII, and OVIII in IllustrisTNG & Super-Lagrangian CGM Refinement Simulations

12:35 PM – 1:10 PM Cameron Hummels (Caltech): The Importance of Small-Scale Structure in the CGM

BUFFET LUNCH (provided in meeting room)

2:00 PM Architecture Boat Tour Bus Departs

Thursday, August 2, 2018

Session 6 **Chair: Mark Voit**

9:00 AM – 9:35 AM Evan Schneider (Princeton): Cooling in Starburst-Driven Outflows

9:35 AM – 10:10 AM Drummond Fielding (UC Berkeley): Clustered Supernovae and Galactic Winds

10:10 AM – 10:25 AM Iryna Butsky (U. of Washington): The Role of Cosmic Ray Transport in Shaping the Simulated Circumgalactic Medium

10:25 AM – 10:40 AM Natalie Nicole Sanchez (U. of Washington): Comparisons between COS-Halo Observations and the Simulated CGM of Milky Way-Mass Galaxies

COFFEE BREAK

11:05 AM – 11:40 AM S. Peng Oh (UCSB): Entrainment of Cold Gas in Galactic Winds

11:40 AM – 12:15 PM Cameron Liang (U. Chicago): On the Model of Circumgalactic Mist: the Implications of Cloud Sizes in Galactic Winds and Halos

12:15 PM – 12:50 PM Suoqing Ji (UCSB): A Microphysical Recipe for Cold Gas: Make it, Mix it and Shake it

LUNCH BREAK (independent)

Session 7 **Chair: Crystal Martin**

2:15 PM – 2:50 PM Molly Peeples (STScI / Johns Hopkins): Figuring Out Gas & Galaxies In Enzo

2:50 PM – 3:25 PM Kate Rubin (San Diego State University): Resolving Galactic Feedback and Gas Accretion with SDSS-IV/MaNGA

COFFEE BREAK

3:50 PM – 4:25 PM Erin Boettcher (UW Madison): New Perspectives on the Dynamical State of Gaseous, Disk-Halo Interfaces

4:25 PM – 5:00 PM Sanchayeeta Borthakur (Arizona): The Connection Between the CGM and the ISM: Clues from HI Disk-CGM Interface

7:00 PM Dinner at The Stained Glass

Friday, August 3, 2018

Session 8 **Chair: S. Peng Oh**

9:00 AM – 9:35 AM Todd Tripp (U. Mass): Missing Baryons and the Highly Ionized Circumgalactic Medium: The Good, The Bad, and The Ugly

9:35 AM – 10:10 AM Rongmon Bordoloi (MIT): The Tale of Circumgalactic Gas: Large and Small Scales

10:10 AM – 10:45 AM Priyanka Singh (INAF Trieste): X-ray and Thermal SZ Constraints on the Properties of Hot CGM

COFFEE BREAK

11:10 AM – 11:45 AM Daniel Anglés-Alcázar (Center for Computational Astrophysics, Flatiron Institute): Connecting CGM Gas Flows and Galaxy Evolution

11:45 AM – 12:00 PM Zachary Hafen (Northwestern): From Observations to Origins: Disentangling Gas Flows in the CGM

12:00 PM – 1:00 PM Jason Tumlinson (STScI/JHU): Meeting Perspective