

## **Session Program**

**May 27 - 31, 2024**

**The Milky Way Assembly Tale - Plot and characters as of today, and what to expect in future editions**

***Session: MW Halo chemo-dynamics***

Bologna  
Via Piero Gobetti, 101, 40129 Bologna BO

# Mon, May 27

9:00 AM

**Session: MW Halo chemo-dynamics**  
**Session | Location:** Bologna, Via Piero Gobetti, 101, 40129 Bologna BO

**9:00 - 9:20 AM Introduction**

**9:20 - 9:50 AM The Milky Way's assembly tale told by the different characters**  
**Speaker**  
 Amina Helmi

**9:50 - 10:10 AM**  
**Tracing the Milky Way's ancient footsteps: Insights from chemodynamical investigations of bright and distant metal-poor stars**  
**Speaker**  
 Akshara Viswanathan

**10:10 - 10:30 AM A Walk on the Retrograde Side (WRS) project**  
**Speaker**  
 Edoardo Ceccarelli

10:30 AM

11:00 AM

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**11:00 - 11:30 AM**  
**Disc emergence in the Milky Way and the local view on the messy, turbulent state of high-redshift galaxies**  
**Speaker**  
 Vasily Belokurov

**11:30 - 11:50 AM Bar resonances in the highly eccentric stellar halo**  
**Speaker**  
 Adam Dillamore

**11:50 AM - 12:10 PM**  
**Simulation Perturbation Theory: Modeling the Response of Stellar Streams to Galactic Substructure with Differentiable Simulations**  
**Speaker**  
 Jacob Nibauer

**12:10 - 12:30 PM Unveiling the Galactic Horizons: From the Heart to the Halo**  
**Speaker**  
 Vedant Chandra

12:30 PM

2:00 PM

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**2:00 - 2:30 PM Chemistry of halo substructures**

	<p><b>Speaker</b> Diane Feuillet</p>
	<p><b>2:30 - 2:50 PM</b>    <b>The Role of the r-Process in Shaping the Milky Way's History</b></p> <p><b>Speaker</b> David Aguado</p>
	<p><b>2:50 - 3:10 PM</b></p> <p><b>Deciphering the Primordial Milky Way: Insights from Galactic Chemical Evolution Modeling</b></p> <p><b>Speaker</b> Boquan Chen</p>
<p>3:30 PM</p>	<p><b>3:10 - 3:30 PM</b></p> <p><b>The origins of stellar populations in the Milky Way halo revealed by precise chemical abundances</b></p> <p><b>Speaker</b> Tadafumi Matsuno</p>
<p>4:00 PM</p> <p>6:00 PM</p>	<p><b>Session: MW Halo chemo-dynamics</b>  <b>Session</b>   <b>Location:</b> Bologna, Via Piero Gobetti, 101, 40129 Bologna BO</p> <p><b>4:00 - 4:30 PM</b>    <b>New views on the metal-poor Milky Way halo</b></p> <p><b>Speaker</b> Else Starckenburg</p> <p><b>4:30 - 4:50 PM</b></p> <p><b>Unveiling the dynamical properties of the ancient inner Galaxy with PIGS</b></p> <p><b>Speaker</b> Dr Anke Ardern-Arentsen</p> <p><b>4:50 - 5:10 PM</b></p> <p><b>Metallicity distributions of halo stars: do they trace the Galactic accretion history?</b></p> <p><b>Speaker</b> Alice MORI</p> <p><b>5:10 - 5:30 PM</b>    <b>Chronochemodynamics of the Milky Way Halo with GALAH</b></p> <p><b>Speaker</b> Sven Buder</p> <p><b>5:30 - 6:00 PM</b>    <b>Discussion</b></p>

## Tue, May 28

9:00 AM

### Session: MW Halo chemo-dynamics

Session | Location: Bologna, Via Piero Gobetti, 101, 40129 Bologna BO

9:00 - 9:30 AM **The History of the Galactic Disk(s)**

**Speaker**

Hans-Walter Rix

9:30 - 9:50 AM **On the early assembly history of the Galaxy**

**Speaker**

Danny Horta

9:50 - 10:10 AM

**Galactic Archaeology with Globular Clusters - Europium is a Chemical Tag Between Globular and their Hosts Across All Metallicities**

**Speaker**

Stephanie Monty

10:10 - 10:30 AM

**Globular Cluster Stream Populations of Milky Way-type Galaxies - How Many More Streams Can We Find?**

**Speaker**

Sarah Pearson

10:30 AM

11:00 AM

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11:00 - 11:30 AM **Chemical Cartography of the Sagittarius Stream with Gaia**

**Speaker**

Emily Cunningham

11:30 - 11:50 AM

**A portrait of the vast polar structure as a young phenomenon: Hints from its member satellites**

**Speaker**

Salvatore Taibi

11:50 AM - 12:10 PM **The epoch of Milky Way dwarf accretion from Gaia DR3**

**Speaker**

Francois Hammer

12:10 - 12:30 PM

**The impact of early mergers in the star formation history of the Milky Way disc**

**Speaker**

Emma Fernández-Alvar

12:30 PM