



Program

Sunday 9th July -----

Welcome reception & Registration (18:00-20:30)

Location: Between Einstein Tower and Großer Refraktor at Telegrafenberg Campus

Monday 10th July -----

[IR = Invited Review, ICT = Invited Contributed Talk, CT = Contributed Talk]

08:00 – Registration

08:45 – Welcome Steinmetz & Chiappini

----- Chair: Beers

09:00 – Ken Freeman – Opening Talk – Galactic Archaeology

Section I – Tracers of the Oldest MW fossil records & Halo Assembly

09:30 – IR – John Norris – Very metal-poor stars

10:00 – CT – Anirudh Chiti – Detection of a population of carbon-enhanced metal-poor stars in the Sculptor dwarf galaxy

10:20 – CT – Haining Li – LAMOST-Subaru exploration of chemical relics of first stars

10:40 – CT – Bruno Dias – The GOTHAM survey: homogeneous chemical evolution of Milky Way globular clusters

Coffee break 11:00 – 11:30

----- Chair: Frebel

11:30 – IR – Marcio Catelan – Ages for the oldest stars

12:00 – IR – Amina Helmi – The Milky Way's halo substructure and assembly history

12:30 – CT – Nitya Jacob Kallivayalil – Probing the Dark Halo of the Milky Way

12:50 – CT – Basilio Santiago – Unravelling the structure and stellar populations of the outer Milky Way Halo

13:10 – CT – Eduardo Balbinot – The devil is in the tails: the visibility of cold stellar streams

Lunch break 13:30 – 15:00

----- Chair: Wyse

15:00 – CT – Emanuele Spitoni – The connection between the Galactic halo and ancient Dwarf Satellites

15:20 – CT – Sarah Martell – Rediscovering the origins of the stellar halo with chemical tagging

15:40 – CT – Anette Ferguson – Stellar Substructure in the Halos of the Milky Way and M31

16:00 – CT – Sangmo Tony Sohn – Constraining the formation and mass of the Milky Way Halo using Globular Cluster Orbits from HST Proper Motions

Coffee Break 16:20 – 16:50

----- Chair: Whitelock

16:50 – CT – Kris Youakim – The Pristine survey: Searching for metal poor stars with narrow-band photometry

Section II – Disentangling mixed populations in the central regions of the MW

17:10 – IR – Dante Minniti – The innermost Galaxy as seen by VVV

17:40 – IR – Noriyuki Matsunaga – Large-scale infrared surveys of stellar populations in the inner Galaxy

18:10 – End of the day

Tuesday 11th July -----

Section II – Disentangling mixed populations in the central regions of the MW (cont)

----- Chair: Barbuy

09:00 – IR – Lia Athanassoula – Chemodynamical models of bulge/bar formation and evolution

09:30 – IR – Ortwin Gerhard – Dynamical models for the barred Inner Galaxy from surveys

10:00 – CT – Nils Ryde – Detailed abundances of giants in the Inner Bulge and Galactic Centre

10:20 – CT – Thomas Bensby – The age and abundance structure of the central kpc of the Milky Way - clues from microlensed dwarf stars

10:40 – CT – Christopher Wegg – An accurate measurement of the IMF in the Inner Galaxy from microlensing

Coffee break 11:00 – 11:30

11:30 – CT – Gabriele Cescutti – The oldest stars of the bulge: new information on the ancient Galaxy

Section III – Galactic disks - chemodynamical properties & models

----- Chair: Bland-Hawthorn

11:50 – IR – Alejandra Recio-Blanco – Galactic Archaeology with the Gaia-ESO Survey

12:20 – IR – Jon Holtzman – Galactic Archaeology with APOGEE

12:50 – CT – Matthias Steinmetz – Galactic Archaeology with RAVE

13:10 – CT – Annie Robin – Kinematics of the local disc from RAVE survey and Gaia first data release

Lunch break 13:30 – 15:00

----- Chair: Nordström

15:00 – IR – Chao Liu – Rediscovering the outskirts of our Galaxy with the LAMOST survey

15:30 – CT – Ly Duong – The GALAH survey: Properties of the Galactic thick disk and the inner galaxy

15:50 – CT – Laia Casamiquela – Chemical abundances of the Milky Way disk from the OCCASO survey

16:10 – CT – Rodolfo Smiljanic – Chemical tagging experiment with Gaia-ESO open clusters

Coffee Break 16:30 – 17:00

----- Chair: Binney

17:00 – IR – Marie Martig – Chemodynamical models of the MW

17:30 – CT – Daisuke Kawata – Impacts of Radial Migration on the Galactic Thick and Thin Disks

17:50 – CT – Elena d'Onghia – New Perspectives on the chemical tagging in Gaia and APOGEE-2 data

18:10 – 19:30 Poster Viewing - Wine & Cheese

Wednesday 12th July -----

Section IV – Towards Ages: Gaia DR1, Asteroseismology, and Precise abundances

----- Chair: de Laverny

09:00 – IR – Antonella Vallenari – Gaia/TGAS/DR1 and future Gaia Data Releases

09:30 – CT – Friedrich Anders – The APOGEE-TGAS red-giant sample: Precision chemo-dynamics in the extended solar vicinity

09:50 – CT – Edouard Bernard – Reconstructing the star formation history of the solar neighborhood with Gaia

10:10 – CT – Sven Buder – Rediscovering our solar neighbourhood: Combining the GALAH survey and Gaia DR1 for a chemo-dynamic study in a melting pot of astrometry, photometry, and spectroscopy

10:30 – CT – Martin Smith – The Gaia-LAMOST Symbiosis - probing the chemodynamical evolution of the solar neighbourhood

Coffee break 10:50 – 11:30

----- Chair: Miglio

11:30 – IR – Arlette Noels – Ages for large samples of stars - caveats and uncertainties

12:00 – ICT – Guy Davies – Asteroseismology of RGs: from light curves to ages – prospects with Plato

12:20 – CT – Marica Valentini – Using asteroseismology and spectroscopy for obtaining detailed abundances: CoRoT-GES and RAVE-K2

12:40 – CT – Poul Erik Nissen – High-precision abundances of elements in stars with asteroseismic ages

13:00 – CT – Jorge Melendez – Nucleosynthetic signatures unveiled by high precision abundances

Lunch break 13:20

13:30 Conference Picture

14:30 – 19:00 Berlin and Potsdam Tours for Participants

13:00 – 15:00 School on Campus (~40 kids visit Telegrafenberg Campus)

Thursday 13th July -----

Section V – Stellar evolution models & Stellar yields

----- Chair: Robin

09:00 – IR – Georges Meynet – Massive Stars

09:30 – IR – John Lattanzio – Low and Intermediate-mass stars

10:00 – CT – Achim Weiss – Using low-mass stars as a tool: efforts towards precise models

Section VI – MW Potential and Disk Dynamics

10:20 – CT – James Binney – Tracking dark matter

10:40 – CT – Allyson Sheffield – New views from Galactoseismology: Rethinking the Galactic Disk-Halo Connection

Coffee break 11:00 – 11:30

----- Chair: Navarro

11:30 – IR – Hans Walter Rix – The Galactic Potential

12:00 – IR – Alice Quillen – Non-axisymmetries in the Milky Way disk

12:30 – ICT – Lawrence Widrow – Vertical oscillations in the Milky Way disk

12:50 – CT – Benoit Famaey – Distribution functions for resonantly trapped orbits in our Galaxy

13:10 – CT – Chervin Laporte – New views from galactoseismology: revised models of the impact of Sagittarius on the disc

Lunch break 13:30 – 15:00

Section VII – Cosmological Simulations of MW-like galaxies

----- Chair: Rix

15:00 – IR – Cecilia Scannapieco – Simulation of MW-like Galaxies in the cosmological context

15:30 – ICT – Justin Read – Cosmological Simulations MW & Dwarf Galaxies

15:50 – CT – Facundo Gomez – Warps and waves in the stellar discs of the Auriga cosmological simulations

16:10 – CT – Tobias Buck – NIHAO-UHD: Ultra High resolution cosmological simulations of Milky Way type galaxies and their surroundings

Coffee Break 16:30 – 17:00 – Poster Prize Announcement: 1st, 2nd, and 3rd places

----- Chair: Kawata

17:00 – ICT – Kyle Oman – The APOSTLE Simulations

17:20 – CT – Andrew Wetzel – The Latte Project: Cosmological Simulations of Milky Way-like Galaxies and their Satellite Dwarf Galaxies

17:40 – CT – Sebastian Nuza – Gas accretion onto MW-like galaxies and the Local Group

18:00 – End of talks

19:00 Boat Departure & Conference Dinner

Friday 14th July -----

Section VIII – Discussion Section: Challenges in Data & Modeling

10:00 – **Round Table Discussion 1: Model-driven data mining and data-driven modeling**

Chair: Anthony Brown

Panel members: B. Barbuy, T. Beers, J. Bland-Hawthorn, A. Miglio, B. Nordström, V. Smith, P. Whitelock

Coffee break 11:00 – 11:30

11:30 – **Round Table Discussion 2: Establishing advanced models of the Milky Way**

Chair: Simon White

Panel members: F. Combes, K. Freeman, F. Matteucci, J. Navarro, C. Pfrommer, R. Wyse

Poster Prize – 10 min talks:

12:50 – Poster 3rd place

13:00 – Poster 2nd place

13:10 – Poster 1st place

Lunch break 13:20 – 15:00

Section IX – Future Outlook

----- Chair: de Jong

15:00 – IR – Sofia Feltzing – Galactic Archaeology with 4MOST

15:30 – IR – Giusepina Battaglia – Galactic Archaeology with WEAVE

16:00 – IR – Michael Rich – Milky Way stellar populations as (to be) seen by LSST

16:30 – CT – Luca Pasquini – A New Spectroscopic Facility

16:50 – Francoise Combes - Closing IAUS 334 and outlook

Goodbye Coffee 17:20 – Symposium ends