

Program

Sunday, 31 May 2015

17:00 – 21:00 Registration

From 18:30 *DINNER / Informal get together*

Monday, 01 June 2015

08:00 *BREAKFAST*

09:00 – 09:10 Cristina Chiappini **Welcome and opening remarks**

09:10 – 09:40 Andrea Miglio **Basics of asteroseismology**

09:40 – 10:10 Guy Davies **The oscillations of red giants – what information does the power spectrum contain?**

10:10 – 10:40 Benoit Mosser **Seismic indices: a deep look inside evolved stars**

10:40 – 11:00 Simon Campbell **Towards 21st century stellar models: Star Clusters, Supercomputing, and Asteroseismology**

11:00 – 11:30 *COFFEE BREAK*

11:30 – 12:00 Karsten Brogaard **Testing asteroseismic scaling relations using eclipsing binaries in star clusters and the field**

12:00 – 12:30 Rasmus Handberg **Peakbagging in the open cluster NGC 6819: Opening a treasure chest or Pandora's Box?**

12:30 – 12:40 **Conference Photo** (in front of the Physikzentrum)

12:40 *LUNCH*

Monday, 01 June 2015

14:30 – 15:00	Maurizio Salaris	Age-dating combining stellar models, asteroseismology and spectroscopy. Challenges for stellar evolution calculations
15:00 – 15:20	Sydney Barnes	Ages for cool main sequence stars from stellar rotation
15:20 – 15:40	Emanuele Tognelli	Cumulative theoretical uncertainties in lithium depletion boundary age
15:40 – 16:00	Pier Giorgio Prada Moroni	Uncertainties in grid-based estimates of stellar ages
16:00 – 16:30	<i>COFFEE BREAK</i>	
16:30 – 16:50	Victor Silva Aguirre	Age determination for dwarfs and giants from Asteroseismology
16:50 – 18:00	Poster Session I	
19:00	<i>DINNER</i>	

Tuesday, 02 June 2015		
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08:00 *BREAKFAST*

09:00 – 09:30 Georges Meynet **Impact of stellar rotation in stellar models**

09:30 – 10:00 Patrick Eggenberger **Models of rotating stars constrained by asteroseismic measurements of red giants**

10:00 – 10:30 Carlos Allende Prieto **Automated pipelines for spectroscopic analysis**

10:30 – 11:00 Hans-Günter Ludwig **Hydrodynamical model atmospheres: Their impact on stellar spectroscopy and asteroseismology**

11:00 – 11:30 *COFFEE BREAK*

11:30 – 11:50 Rana Ezzeddine **Non-LTE iron abundances in red giants with asteroseismic gravities: the role of Hydrogen collisions**

11:50 – 12:10 Ruth Peterson **Effective temperatures for high-latitude K giants and dwarfs from ugriz photometry**

12:10 – 12:30 Paula Jofré Pfeil **Gaia benchmark stars: looking for the representatives of the stars in the Milky Way**

12:30	<i>LUNCH</i>	
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Tuesday, 02 June 2015

- 14:30 – 15:00 Steven Majewski **The Apache Point Observatory Galactic Evolution Experiment (APOGEE) and its successor, APOGEE-2**
- 15:00 – 15:30 Leo Girardi **Milky Way stellar populations with TRILEGAL**
- 15:30 – 16:00 Sanjib Sharma **Modeling the Milky Way using Galaxia and a comparison with asteroseismic results from Kepler**
- 16:00 – 16:30 *COFFEE BREAK*
- 16:30 – 16:50 Andreas Just **Dynamical and chemical evolution of the thin disc**
- 16:50 – 17:20 Annie Robin **Clues on the Milky Way thick disc formation from population synthesis simulations**
- 17:20 – 18:30 **Discussion**
- Uncertainties:**
Spectroscopic Pipelines / Stellar Models / Seismic Pipelines
Leaders: Verne Smith, Bertrand Plez and Yvonne Elsworth
- 18:30 – 18:45 Ernst Dreisigacker **About the Wilhelm and Else Heraeus Foundation**
- 19:00 *HERAEUS DINNER*
(cold & warm buffet, free beverages)

Wednesday, 03 June 2015

08:00	<i>BREAKFAST</i>	
09:00 – 09:30	Luca Casagrande	The vertical age structure of the Milky Way disc
09:30 – 10:00	Joss Bland-Hawthorn	The GALAH survey: reconstructing the ancient Galaxy
10:00 – 10:30	Matthias Steinmetz	The Radial Velocity Experiment (RAVE), a preview to what to expect from the Gaia RVS
10:30 – 11:00	Carla Cacciari	Gaia's contribution to reconstructing the history of the Milky Way
11:00 – 11:30	<i>COFFEE BREAK</i>	
11:30 – 11:50	Georges Kordopatis	Chemo-dynamical properties of the Milky Way's discs derived from RAVE and Gaia-ESO
11:50 – 12:10	Corrado Boeche	SP_Ace: A new code to estimate stellar parameters and elemental chemical abundances
12:10 – 12:30	Gabriele Pezzulli	Accretion, radial flows and abundance gradients in spiral galaxies
12:30	<i>LUNCH</i>	
14:30 – 15:00	Jennifer Johnson	Galactic Stellar Populations with APOGEE and Kepler
15:00 – 15:20	Katia Cunha	Chemical abundance gradients from open clusters using APOGEE data
15:20	Free afternoon	
	Hiking tour and Wine Tasting	
19:00	<i>DINNER (at the Physikzentrum)</i>	

Thursday, 04 June 2015

08:00	<i>BREAKFAST</i>	
09:00 – 09:30	Dennis Stello	The K2 Galactic Archaeology Program
09:30 – 10:00	Marica Valentini	The CoRoT-GES Collaboration: the joint action of asteroseismology and spectroscopy in the field of Galactic Archeology
10:00 – 10:30	Friedrich Anders	Galactic Archaeology with CoRoT and APOGEE
10:30 – 10:50	Thaise Rodrigues	Bayesian distances and extinctions for giants observed by Kepler and APOGEE
10:50 – 11:10	Marie Martig	Young alpha-enriched stars in the solar
11:10 – 11:30	<i>COFFEE BREAK</i>	
11:30 – 12:00	Norbert Christlieb	The ages of metal-poor stars
12:00 – 12:20	Stefania Salvadori	Carbon-enhanced stars in the Milky Way and dwarf galaxies
12:20 – 12:40	Ortwin Gerhard	The structure of the Milky Way's bar outside the bulge
12:40	<i>LUNCH</i>	
14:30 – 15:00	James Binney	Extended distribution functions for our galaxy
15:00 – 15:30	Ivan Minchev	Milky Way Chemo-dynamics in the era of Gaia
15:30 – 15:50	Benoit Famaey	Dynamical constraints on non-axisymmetries in the galaxy
15:50 – 16:20	<i>COFFEE BREAK</i>	

Thursday, 04 June 2015

- 16:20 – 16:40 Nikos Prantzos **Radial migration in galactic disks and its impact on the chemical evolution of the Milky Way**
- 16:40 – 17:00 Robert Grand **Radial migration in Milky Way sized galaxy simulations**
- 17:00 – 17:50 **Discussion**
MW Models and how to best test with Galactic Archaeology Information considering uncertainties still involved
Leader: Daisuke Kawata
- 17:50 – 18:50 **Poster Session II**
- 19:00 *DINNER*

Friday, 05 June 2015

08:00 *BREAKFAST*

09:00 – 09:30 Heike Rauer **The PLATO 2.0 Mission**

09:30 – 10:00 Roelof de Jong **4MOST: 4-metre Multi-Object
Spectroscopic Telescope**

10:00 – 11:00 **Discussion**
Future Plans
Follow-up of seismic targets
How we organize ourselves?
Where are efforts/manpower needed now?
Leaders: Arlette Noels & Josefina Montalban

11:00 – 11:30 *COFFEE BREAK*

11:30 – 12:30 **Summary Discussion + Poster awards**

12:30 *LUNCH*

End of the seminar and FAREWELL COFFEE / Departure

NO DINNER for participants leaving on Saturday morning