

# IMPRS 2<sup>nd</sup> yr seminar retreat, Kurhaus Trifels

March 6-8, 2017

	Monday	Tuesday	Wednesday
	8:00 Departure Heidelberg main station		
09:00		<b>Johannes King:</b> Statistical biases in spectral analysis	<b>Mayte Alfaro:</b> M54: A key to the connection between globular and nuclear star clusters
09:20		<b>Hector Hiss:</b> Thermal State of the Intergalactic Medium: a new statistical method	<b>Fabian Klein:</b> Towards high performance simulations of an accretion disk surrounding a supermassive black hole
09:40	Arrival at Trifels	<b>Robert Reischke:</b> Variations of cosmic large-scale structure covariance matrices across parameter space	<b>Christos Vourellis:</b> From ideal to resistive GRMHD. The new adventures of a PhD student
10:00	<b>Sabina Puerckhauer:</b> Light guides - and what we know about them	<b>Matthias Samland:</b> Characterization of Exoplanet Atmospheres using Direct Imaging	<b>Hans Baehr:</b> Fragmentation in Vertically Stratified Disk Simulations
10:20	<b>Aida Ahmadi:</b> Understanding the early phase of high-mass star formation	<b>Stefan Brems:</b> One year+ of Direct Imaging with NaCo-I SPY. An Overview	<b>Natascha Manger:</b> Vortex formation in Vertical Shear Instability
10:40	Coffee Break	Coffee Break	Coffee Break
11:10	<b>Johannes Esser:</b> Reverberation mapping of AGN	<b>Marcelo Tala Pinto:</b> Techniques for Precise Radial Velocities	<b>Vikas Joshi:</b> HAWC High Energy Upgrade with a Sparse Array
11:30	<b>Christina Eilers:</b> Unraveling the Epoch of Reionization with High Redshift Quasars	<b>Neven Tomicic:</b> Attenuation modified by DIG and Star Formation as seen in M31	<b>Mikhail Kovalev:</b> Fitting Giraffe spectra with polynomial spectral model ( PSM )
11:50	<b>Grigorios Katsoulakos:</b> VHE radiation from the vicinity of a supermassive black hole	<b>Svenja Jacob:</b> Cosmic ray driven winds in galaxies with different masses	<b>Kseniia Sysoliatina:</b> Testing the Milky Way disk model with TGAS and RAVE data
12:10	Feedback (Christian Fendt, Arjan van der Wel)	<b>Alex Hygate:</b> Constraining the cloud-scale physics of star formation and feedback in galaxies across cosmic time	<b>Priscilla Chauke:</b> Star Formation Histories of Quiescent Galaxies in LEGA-C
12:30	Lunch	Lunch	Lunch
13:30	Feedback (Christian Fendt, Arjan van der Wel)		Feedback (Christian Fendt, Arjan van der Wel)
14:00	Career Talk: <b>Joachim Wambsgans</b>	Feedback (Christian Fendt, Arjan van der Wel)	<b>Yulong Zhuang:</b> Metallicity gradients of CALIFA galaxies
14:30			<b>Sebastian Bustamante:</b> Spin evolution of supermassive black holes in a cosmological context
15:00	Coffee Break	Coffee Break	<b>Daniel Rahner:</b> Stellar Feedback: Estimating escape fractions from molecular clouds
15:30	<b>Tobias Buck:</b> NIHAO-UHD: Ultra High Resolution cosmological simulations of Milky Way type galaxies and their surroundings	Exkursion	<b>Steffi Yen:</b> Revisiting Parameters of Open Clusters with Gaia
15:50	<b>Jonas Frings:</b> The edge of galaxy formation: Simulations of Milky Way satellite analogues		<b>Armelle Jardin-Blicq:</b> Study of atmospheric showers and reconstruction with the HAWC gamma-ray observatory
16:10	<b>Bekdaulet Shukirgaliyev:</b> The impact of a star-formation efficiency profile on the evolution of open clusters		Feedback (Christian Fendt, Arjan van der Wel)
16:30	Break		Break
16:50	<b>Daniel Haydon:</b> Synthetic observations of star formation tracers in disc galaxy simulations		Feedback (Christian Fendt, Arjan van der Wel)
17:10	Career Talk: <b>Nikos Fanidakis</b>		17:30 Departure to Heidelberg
18:10	Dinner	Dinner	19:00 Arrival in Heidelberg
20:00	Feedback (Christian Fendt, Arjan van der Wel)	Efficient Paper Writing: <b>Arjen der Wel</b>	
21:00			

Chair Tobias

Chair Neven

Chair Matthias

Chair Aida

Chair Christina

Chair Mayte