

illuminating the Dark Ages: Quasars and Galaxies in the Reionization Epoch

June 27 - July 1, 2016, Heidelberg, Germany

Monday, June 27

09:00-10:00 Registration
10:00-10:15 Welcome

The most distant quasars

10:15-10:45	Eduardo Bañados (Invited)	Quasars in the epoch of reionization
10:45-11:05	Linhua Jiang	The Final SDSS High-Redshift Quasar Sample: 52 Quasars at $z > 5.7$ Since 2000
11:05-11:25	Sophie Reed	A Sample of Eight New Quasars from the Dark Energy Survey
11:25-11:45	Chiara Mazzucchelli	The Pan-STARRS1 search for the highest-redshift quasars
11:45-12:05	Yoshiki Matsuoka	Subaru High- z Exploration of Low-Luminosity Quasars (SHELLQs)

12:05-13:30 *Lunch*

Galaxies in the Epoch of Reionization

13:30-14:00	Pascal Oesch (Invited)	Galaxy Build-up at Cosmic Dawn: Insights from Deep HST and Spitzer/IRAC
14:00-14:30	Hsiao-Wen Chen (Invited)	The Galaxy Luminosity Function at $z=6-10$
14:30-14:50	Jorryt Matthee	Unveiling the nature of the brightest Lyman-alpha emitters in the epoch of re-ionisation

14:50-15:20 *Coffee break*

15:20-15:50	Masami Ouchi (Invited)	Probing Early Galaxies with the Hubble, Subaru, and ALMA Legacy Data
15:50-16:10	Michael Maseda	The prevalence of CIII] emission before the Dark Ages

16:10-16:40 Poster presentation

16:40-18:00 *Reception and poster session*



Tuesday, June 28

Ionizing radiation from galaxies and reionization

09:00-09:30	Laura Pentericci (Invited)	Probing the end of the reionization epoch with spectroscopic observations of high-z galaxies
09:30-09:50	Rychard Bouwens	Faint Galaxies as Drivers of Cosmic Reionization: New Constraints on both their Volume Density and Lyman-Continuum Production Efficiency from the latest Frontier Fields Data
09:50-10:10	Naveen Reddy	Relationship between Reddening, Gas Covering Fraction, and the Escape of Ionizing Radiation at High Redshift
10:10-10:30	Andrea Grazian	The Lyman continuum escape fraction of $z \sim 3$ star forming galaxies with LBC/LBT in the COSMOS and CANDELS fields
10:30-10:50	Michael Rauch	Observational constraints on the origin and effects of ionizing radiation
10:50-11:20	<i>Coffee break</i>	
11:20-11:50	James Bolton (Invited)	Exploring reionisation with Lyman-alpha absorption
11:50-12:10	Mark Dijkstra	The Ly α -LyC Connection: Evidence for an Enhanced Contribution of UV-faint Galaxies to Cosmic Reionization
12:10-12:30	Pratika Dayal	Cosmic reionization: sources and constraints
12:30-12:50	Ewald Puchwein	Constraining reionization with Lyman-alpha emitters, the Lyman-alpha forest and the CMB
12:50-14:00	<i>Lunch</i>	

The UV background and the IGM

14:00-14:30	Emanuele Giallongo (Invited)	AGNs in the CANDELS/GOODS fields: looking for high-z ionizing sources
14:30-14:50	Gabor Worseck	Do Quasars Dominate the UV Background at $z > 4$?
14:50-15:10	Jose Onorbe	New Models of the UV-Background in Cosmological Hydrodynamical Simulations: Implications for IGM and galaxy formation observations
15:10-15:30	Bradley Greig	Constraints on the IGM neutral fraction at $z=7$ from the reconstructed Ly-alpha emission line profile of ULASJ1120+0641
15:30-16:00	<i>Coffee break</i>	
16:00-16:30	Tiziana DiMatteo (Invited)	The next frontier of high-z Massive Galaxies and Quasars
16:30-16:50	Jonathan Chardin	Large scale opacity fluctuations in the Ly α forest: evidence for QSOs dominating the ionising UV background at $z \sim 5.5-6$?
16:50-17:10	Frederick Davies	What are the last Gunn-Peterson troughs in the Lyman-alpha forest?

Wednesday, June 29

The Reionization Epoch

09:00-09:30	Piero Madau (Invited)	Cosmic Reionization After Planck: Progress and Challenges
09:30-10:00	Dominique Aubert (Invited)	Cosmological simulation of the Reionization with EMMA: successes and difficulties
10:00-10:20	Marius Berge Eide	New light on hydrogen and helium reionization in a cosmological volume
10:20-11:00	<i>Coffee break</i>	
11:00-11:30	Joop Schaye (Invited)	Simulations of the epoch of reionization
11:30-11:50	Alireza Rahmati	Introducing the Aurora reionization simulations
11:50-12:10	Anne Hutter	Exploiting 21cm-LAE synergies: constraints on reionization
12:10-12:30	Mahavir Sharma	Reionization by Starbursts
12:30-14:00	<i>Lunch</i>	

Free afternoon

18:30 **Conference dinner at Schlosshotel Molkenkur (Klingenteichstr. 31, Heidelberg)**

The bus to the conference venue will departure from behind the Crown Plaza Hotel (Bahnhofstrasse) at 18:00 and pick up participants at Peterskirche (bus stop on the hill side) at 18:10

A bus will return at 22:00 (first ride) and 23:00 (second ride)

Thursday, June 30

Black hole formation

09:00-09:30	Martin Haehnelt (Invited)	The early (feedback-regulated) growth of supermassive black holes
09:30-09:50	Ricarda Beckmann	From seed to supermassive: growing black holes at high redshift
09:50-10:10	Muhammad Latif	Formation of supermassive black holes via direct collapse
10:10-10:30	Paramita Barai	Quasar Outflows at $z \geq 6$ in Zoomed Cosmological Hydrodynamical Simulations
10:30-11:00	<i>Coffee break</i>	
11:00-11:30	Marta Volonteri (Invited)	The first black holes and AGN
11:30-11:50	Dan Whalen	How Supermassive Black Holes Form by $z > 7$: Synthetic Observables in the NIR, Ly- α and 21 cm
11:50-12:20	Jenny Greene (Invited)	Black Holes Seeds: A Local Perspective
12:20-14:00	<i>Lunch</i>	

High redshift quasars: host galaxies and environment

14:00-14:30	Manda Banerji (Invited)	High-redshift quasars in current and future wide-field surveys
14:30-14:50	Gijs Verdoes Kleijn	Implications for the early growth of supermassive black holes from the KiDS+VIKING survey
14:50-15:10	Ran Wang	Gas and star formation in the quasar host galaxies at $z \sim 6$
15:10-15:40	<i>Coffee break</i>	
15:40-16:00	Bram Venemans	ALMA observations of $z > 6.5$ quasar hosts: forming massive galaxies in the epoch of reionisation
16:00-16:20	Roberto Decarli	The birth of the giants: dust and gas in QSO host galaxies at $z \sim 6$
16:20-16:40	Roberto Gilli	Large scale galaxy overdensities around $z \sim 6$ QSOs
16:40-17:00	Emanuele Paolo Farina	Chasing Ly α Haloes at $z > 6$

Friday, July 1

IGM enrichment

09:00-09:30	Emma Ryan-Weber (Invited)	Metals in Absorption at the Conclusion of Reionization
09:30-09:50	Sarah Bosman	Metal Enrichment during Reionisation using the redshift 7 quasar ULAS J1120+0641
09:50-10:10	Laura Keating	Testing the effect of feedback on the high-redshift IGM with metal-line absorbers
10:10-10:30	Anna-Christina Eilers	The intergalactic medium at high redshifts and its implications for the epoch of reionization
10:30-11:00	<i>Coffee break</i>	
11:00-11:30	Richard Ellis (Invited)	Spectroscopic Studies of Galaxies in the Reionization Era
11:30-11:50	Sangeeta Malhotra	Studying the dark ages with WFIRST
11:50-12:20	Xiaohui Fan	Concluding remarks
12:20-14:00	<i>Lunch</i>	
14:00	End of conference	