

**“The Chronology of the very early Universe according to JWST”
Breakthrough Workshop 11 – 15 March 2024**

Zoom Link: <https://us02web.zoom.us/j/84324893006?pwd=b1JpN0RoSVprUIRXVWJiK1IPbXhiUT09>

Meeting ID: 843 2489 3006, Passcode: JWST

Monday, 11 March 2024		
Time	Topic	Room
09:15 - 09:45	Registration @ ISSI, Hallerstrasse 6	<i>1st floor</i>
09:45 - 10:00	Welcome - Antonella Nota	<i>Johannes Geiss Auditorium</i>
	Theme 1: <i>The physical properties of the early galaxies I. When did the first stars form in the first galaxies? How extreme were they? When did the first proto-clusters form? ISM physical conditions and enrichment in early galaxies?</i>	
	Theme leads: Andrea Ferrara and Angela Adamo Discussion Moderators: Christina Williams, Dan Stark, Kristen McQuinn Discussion Note takers: Taylor Hutchison	
10:00 - 11:00	Setting the stage: flash presentations (5m each max)	
11:00 - 11:30	<i>Coffee Break</i>	
11:30 - 12:30	Moderated Discussion	
12:30 - 14:00	<i>Pizza Lunch</i>	<i>1st floor conference room</i>
14:00 - 16:00	Working and writing (Theme I)	<i>Room 34 3rd floor</i>
	Other Themes can meet in parallel	<i>Room 31, 3rd floor - Theme 2 Room 32/33, 3rd floor - Theme 3 Conference room, 4th floor - Theme 4</i>
16:00 - 16:30	<i>Coffee Break</i>	
16:30 - 17:30	Working and writing (Theme I)	
17:30 - 18:00	Theme I Summary (Theme leads)	<i>Johannes Geiss Auditorium</i>
18:00	<i>Welcome Reception</i>	<i>1st floor</i>

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ISSI Workshop Program, 11-15 March 2024

Tuesday, 12 March 2024		
Time	Topic	Room
	Theme II: Galaxy assembly and evolution - scaling relations. When are scaling relations in place? Mass-metallicity relation, quiescent galaxies, dusty galaxies, morphological sequence of galaxies	<i>Johannes Geiss Auditorium</i>
	Theme Leads: Alice Shapley and Rachel Bezanson Discussion Moderators: Allison Strom, Michael Maseda, Danielle Berg Discussion Note takers: Anna de Graaf, Jeyhan Kartaltepe	
9:30 - 10:30	Setting the stage: flash presentations (5m each max)	
10:30 - 11:00	<i>Coffee Break</i>	
11:00 - 12:30	Moderated Discussion	
12:30 - 14:00	<i>Lunch (on their own)</i>	
13:40 – 14:00	<i>The Nancy Grace Roman Space Telescope</i> by Kristen McQuinn	<i>Johannes Geiss Auditorium</i>
14:00 - 16:00	Working and writing (Theme II)	<i>Room 31, 3rd floor</i>
16:00 - 16:30	<i>Coffee Break</i>	
16:30 - 17:30	Working and writing (Theme II)	<i>Room 31, 3rd floor</i>
17:30 - 18:00	Theme II Summary (Theme Leads)	<i>Johannes Geiss Auditorium</i>

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Wednesday, 13 March 2024		
Time		Room
	Theme III: Role of AGNs in early galaxies	<i>Johannes Geiss Auditorium</i>
	Theme leads: Melanie Habouzit, Roberto Maiolino Discussion Moderators: Jorryt Matthee, Dominika Wylezalek, Ivo Labbe Discussion Note takers: Taylor Hutchinson, Gabe Brammer	
9:30 - 10:30	Setting the stage: flash presentations (5m each max)	
10:30 - 11:00	<i>Coffee Break</i>	
11:00 - 12:30	Moderated Discussion	
12:30 - 14:30	<i>Lunch (on their own)</i>	
14:30 - 16:00	Working and writing (Theme III)	<i>Room 32/33, 3rd floor</i>
16:00 - 16:30	<i>Coffee Break</i>	
16:30 - 17:30	Working and writing (Theme III)	
17:30 - 18:00	Theme Summary (Theme Leads)	<i>Johannes Geiss Auditorium</i>
19:00	Workshop Dinner at Restaurant Zum Zähringer https://www.restaurant-zaehringer.ch/	

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Thursday, 14 March 2024		
Time	Topic	Room
	Theme IV: Reionization: What are the main drivers?	<i>Johannes Geiss Auditorium</i>
	Theme Leads: Charlotte Mason and Massimo Stiavelli Discussion Moderators: Pratika Dayal and John Chisholm Discussion Note takers: Rui Marques and Rohan Naidu	
10:00 - 11:00	Setting the stage: flash presentations (5m each max)	
11:00 - 11:30	<i>Coffee Break</i>	
11:30 - 12:30	Moderated Discussion	
12:30 - 14:30	<i>Lunch (on their own)</i>	
14:30 - 16:00	Working and writing (Theme IV)	<i>Conference room, 4th floor</i>
16:00 - 16:30	<i>Coffee Break</i>	
16:30 - 17:00	Theme Summary (Theme Leads)	<i>Johannes Geiss Auditorium</i>
17:30	<i>Public lecture followed by a panel discussion on “Unveiling the First Billion Years in the History of the Universe with Revolutionary New JWST Observations”</i>	<i>University of Bern, Physics Institute, Room 099, Sidlerstrasse 5, Bern</i>
19:00	<i>Reception</i>	<i>University of Bern, Physics Institute, Room 099, Sidlerstrasse 5, Bern</i>

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ISSI Workshop Program, 11-15 March 2024

Friday, 15 March 2024		
Time	Topic	Room
	Merge Themes	<i>Johannes Geiss Auditorium</i>
	Lead: Pascal Oesch Discussion Moderators: Pascal Oesch, Jane Rigby, Dan Coe, Gabe Brammer Discussion Note takers: Angela Adamo	
09:00 - 09:30	Summary Theme I - Theme Leads	
09:30 - 10:00	Summary Theme II - Theme Leads	
10:00 - 10:30	Summary Theme III - Theme Leads	
10:30 - 11:00	Summary Theme IV - Theme Leads	
11:00 - 11:30	<i>Coffee Break</i>	
11:30 - 13:00	Moderated Discussion	
13:00 - 14:30	<i>Lunch</i>	
14:30 - 16:00	Working and writing	<i>Johannes Geiss Auditorium</i>
16:30 - 17:00	Summary of workshop, status of paper, next steps - co-Chairs	
Adjourn		

For any questions, please refer to:

ISSI Coordination, logistics: Antonella Nota (antonella.nota@issibern.ch)

Uber Theme Lead: Pascal Oesch (pascal.oesch@unige.ch) Please refer to Pascal for any questions you might have on your role as Theme Lead.

Uber Discussion Coordinator: Jane Rigby (jane.r.rigby@nasa.gov) Please refer to Jane for any questions you might have on the Discussions.

Uber Note taker and Publication Coordinator: Dan Coe (dcoe@stsci.edu) Please refer to Dan for any questions on note taking or publication.

Uber Remote Participation Coordinator: Gabe Brammer (gabriel.brammer@nbi.ku.dk) Please refer to Gabe for any questions regarding remote participation.

Last update: 12 March 2024