

**“What’s under the H0od? Towards consensus on the local value of the
Hubble constant”
Workshop March 24 – 28, 2025**

Monday, March 24, 2025		
Time	Topic	Room
09:00 - 09:30	Registration @ ISSI, Hallerstrasse 6	<i>1st floor</i>
09:30 - 09:45	Welcome - Antonella Nota	<i>Johannes Geiss Auditorium</i>
09:45 – 10:00	Overall framework: the "distance network" concept	
10:00 – 11:00	Working Session	
<i>11:00 - 11:30</i>	<i>Coffee Break</i>	
11:30 – 13:00	Working session: How we can progress towards consensus	
<i>13:00 – 14:30</i>	<i>Pizza Lunch</i>	<i>1st floor conference room</i>
14:30 – 14:45	Implementing the framework	
14:15 – 15:00	Towards a paper: structure and outline	
15:00 – 16:00	Working session	
<i>16:00 - 16:30</i>	<i>Coffee Break</i>	
16:30 - 17:00	Special questions: TBD	
<i>17:00</i>	<i>Welcome Reception</i>	<i>1st floor</i>

“What’s under the H0od? Towards consensus on the local value of the Hubble constant”

Workshop March 24 – 28, 2025

Tuesday, March 25, 2025		
Time	Topic	Room
09:30 – 09:45	Geometric calibrators, anchor distances and their uncertainties	<i>Johannes Geiss Auditorium</i>
09:45 – 10:30	Working Session	
10:30 - 11:00	<i>Coffee Break</i>	
11:00 - 11:30	Special questions: <ul style="list-style-type: none"> • How does Cepheid metallicity impact H0? • What does the Cosmological Principle say about the distance ladder? • How do Gaia field and cluster parallaxes compare/complement for Cepheid calibration? 	
11:30-13:00	Working session	
13:00 - 14:30	<i>Lunch (on their own)</i>	
14:30 – 15:00	Primary calibrators	<i>Johannes Geiss Auditorium</i>
15:00 – 16:00	Working Session	
16:00 - 16:30	<i>Coffee Break</i>	
16:30 - 17:00	Special questions: <ul style="list-style-type: none"> • What TRGB SN host samples are available from HST and JWST? • How do we geometrically calibrate TRGB? • How standard is the JAGB population? • Are more extragalactic Mira distances within reach? 	<i>Johannes Geiss Auditorium</i>
17:00 – 18:00	Working Session	
18:30 – 19:30	Public Lecture by Adam Riess	University of Bern Sidlerstrasse 5 Exakte Wissenschaften, Lecture Hall A 006

“What’s under the H0od? Towards consensus on the local value of the Hubble constant”

Workshop March 24 – 28, 2025

Wednesday, March 26, 2025		
Time		Room
9:30 - 10:00	Supernovae as secondary distance indicators <ul style="list-style-type: none"> The absolute magnitude of Type Ia SNe Calibrating Type II SNe 	<i>Johannes Geiss Auditorium</i>
10:00 – 11:00	Working Session	
11:00 - 11:30	<i>Coffee Break</i>	
11:00 - 11:30	Special questions: <ul style="list-style-type: none"> Samples of SNe in the Hubble flow and the promise of Roman How reliable is SN Ia photometry from the 1980’s? When is the quality breakthrough? What is the difference between SN II w/ and w/o rungs? 	
11:30-12:30	Working session	
12:30 - 14:30	<i>Lunch (on their own)</i>	
14:30 - 15:00	Other methods: SBF, FP, Megamaser	<i>Johannes Geiss Auditorium</i>
15:00 – 16:00	Working session	
16:00 - 16:30	<i>Coffee Break</i>	
16:30 – 17:00	Special questions: <ul style="list-style-type: none"> Walkthrough of the Fundamental Plane approach Why are some maser distances so much better than others? How has SBF changed/improved in the NIR and w/ HST compared to before? 	
17:00 – 18:00	Working session	
19:00	Workshop Dinner at Restaurant Rosengarten https://www.rosengarten.be/	

“What’s under the H0od? Towards consensus on the local value of the Hubble constant”

Workshop March 24 – 28, 2025

Thursday, March 27, 2025		
Time	Topic	Room
09:30 – 10:00	Putting the pieces together: the "best" value of the Hubble constant	<i>Johannes Geiss Auditorium</i>
10:00 – 11:00	Working session	
	Presentation 14	
11:00 - 11:30	<i>Coffee Break</i>	
11:30 - 11:45	Special question: How important is the absolute calibration of HST? How accurate is its count-rate-non-linearity correction?	
11:45-12:30	Working session	
12:30 - 14:30	<i>Lunch (on their own)</i>	
14:30 – 15:00	Understanding the uncertainties	<i>Johannes Geiss Auditorium</i>
15:00 – 16:00	Working session	
16:00 - 16:30	<i>Coffee Break</i>	
16:30 - 17:30	Working session: Feedback on the distance network concept	<i>Johannes Geiss Auditorium</i>

“What’s under the H0od? Towards consensus on the local value of the Hubble constant”

Workshop March 24 – 28, 2025

Friday, March 28, 2025		
Time	Topic	Room
09:30 – 11:00	Main topic: The paper; material collected and status <ul style="list-style-type: none"> • Assignments 	<i>Johannes Geiss Auditorium</i>
11:00 - 11:30	<i>Coffee Break</i>	
Adjourn 13:00		
14:30 – 17:00	<ul style="list-style-type: none"> • Optional: Work on paper • Optional Wrapping up 	

Last update: March 14, 2025