

	14 <sup>th</sup> June	15 <sup>th</sup> June	16 <sup>th</sup> June	17 <sup>th</sup> June	18 <sup>th</sup> June	19 <sup>th</sup> June	20 <sup>th</sup> June	
08:45-09:00	Arrivals & Registration	<b>Opening Ceremony</b> Chair: Mingsheng Zhan					Departure	
		Chair: Hans Bachor	Chair: Holger Mueller	Chair: Xing-Can Yao	Chair: Peng Xu	Chair: Xiwen Guan		
09:00-09:35		<b>Wolfgang Ketterle</b>	<b>Serge Haroche</b>	<b>Zoran Hadzibabic</b>	<b>Mark Saffman</b>	<b>Thierry Giamarchi</b>		
09:35-09:45		<b>Cheng Chin</b>	<b>Naceur Gaaloul</b>	<b>Li You</b>	<b>Giacomo Roati</b>	<b>Wenlan Chen</b>		
09:45-10:00								
10:00-10:10		<b>Yu-Ao Chen</b>	<b>Xi Chen</b>	<b>Leticia Tarruell</b>	<b>Klaus Muller-Dethlefs</b>	<b>Jaewook Ahn</b>		
10:10-10:25								
10:25-10:35		<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>		
10:35-11:00								
		Chair: Gordon Drake	<b>Coffee Break</b>		Chair: Chaohong Lee	Chair: Jaewook Ahn		
11:00-11:10		<b>David Clément</b>		Chair: Naceur Gaaloul	<b>Panel Discussion</b> Chair: Jun Ye	<b>Tobias J. Kippenberg</b>		<b>Markus Arndt</b>
			<b>Luigi Cacciapuoti</b>					
11:10-11:25			<b>Xiongjun Liu</b>	<b>Shougang Zhang</b>				
11:25-11:35		<b>Hanns-Christoph Nägerl</b>	<b>Xuzong Chen</b>	<b>Randolf Pohl</b>				
11:35-12:00						<b>Closing Ceremony</b> Chair: Xinye Xu		
12:00-12:15								
12:15-12:25								
12:25-12:30								
12:30-14:00			<b>Buffet Lunch</b>	<b>Buffet Lunch</b>	<b>Buffet Lunch</b>	<b>Buffet Lunch</b>		<b>Buffet Lunch</b>
	Chair: Gabriele Ferrari	Chair: Ernst Rasel		Chair: Peter Hannaford				
14:00-14:35		<b>James Thompson</b>	<b>Peter Zoller</b>	<b>Free Discussion &amp; Excursions</b>	<b>Luming Duan</b>	<b>Laboratory Tuors &amp; Departure</b>		
14:35-15:10		<b>Emmanuel Flurin</b>	<b>Jianwei Pan</b>		<b>Johannes Zeiher</b>			
15:10-15:45		<b>Coffee Break</b>	<b>Coffee Break</b>		<b>Coffee Break</b>			
	Chair: Zongchao Yan	Chair: Augusto Smerzi			Chair: Ken Baldwin			
15:45-16:20		<b>Dmitry Budker</b>	<b>Jun Ye</b>		<b>Kosuke Yoshioka</b>			
16:20-16:55		<b>Klaus Blaum</b>	<b>Ekkehard Peik</b>		<b>Stephan Schiller</b>			
16:55-18:30		<b>Poster Session I</b>	<b>Poster Session II</b>	<b>Poster Session II</b>				
18:30-19:00								
19:00-20:00	Welcome Reception	<b>Buffet Dinner</b>	<b>Conference Dinner</b> Chair:Zhengtian Lu	<b>Buffet Dinner</b>	<b>Buffet Dinner</b>	<b>Buffet Dinner</b>		
20:00-21:30					<b>Public Lecture</b> (Serge Haroche) Chair: Xiaojun Liu			
21:30-22:00								

Sunday June 14, 2026

Full day Arrivals & Registration  
18:30-21:30 Welcome Reception

Monday June 15, 2026

8:45-9:00	<b>Opening Ceremony</b> Mingsheng Zhan Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences	
<b>Session I</b>	Chair:Hans Bacher Australian National University	
9:00-9:35	<b>Fundamental quantum mechanics with ultracold atom</b> Wolfgang Ketterle Massachusetts Institute of Technology	01
9:35-10:00	<b>Many-Body Chemical Reactions with Molecular Matterwaves</b> Cheng Chin University of Chicago	02
10:00-10:25	<b>Quantum Simulation of the fermionic Hubbard model</b> Yu-Ao Chen University of Science and Technology of China	03
10:25-11:00	<b>Coffee Break</b>	
<b>Session II</b>	Chair:Gordon Drake University of Windsor	
11:00-11:35	<b>Non-Gaussian statistics and universal scaling behavior across a phase transition</b> David Clément Université Paris-Saclay	04
11:35-12:00	<b>Unified theory for localization physics in quasiperiodic lattices</b> Xiongjun Liu Peking University	05
12:00-12:25	<b>Low-dimensional quantum gases correlations, excitations, and emergent statistics</b> Hanns-Christoph Nägerl University of Innsbruck	06
12:25-14:00	<b>Buffet Lunch</b>	
<b>Session III</b>	Chair:Gabriele Ferrari University of Trento	
14:00-14:35	<b>Photon-mediated interactions for quantum simulation and sensing</b> James Thompson University of Colorado	07
14:35-15:10	<b>Single spin magnetic resonance by microwave photon counting</b> Emmanuel Flurin Université Paris-Saclay	08
15:10-15:45	<b>Coffee Break</b>	
<b>Session IV</b>	Chair:Zong-chao Yan University of New Brunswick	
15:45-16:20	<b>Forbidden transitions for fundamental physics</b> Dmitry Budker Helmholtz Institute Mainz, UC Berkeley	09
16:20-16:55	<b>Precision tests of the standard model at low energies using stored exotic ions in penning traps</b> Klaus Blaum Max Planck Institute for Nuclear Physics	10
16:55-19:00	<b>Poster Session</b>	
19:00-20:00	<b>Buffet Dinner</b>	

Tuesday June 16, 2026

<b>Session I</b>	Chair:Holger Mueller University of California, Berkeley	
9:00-9:45	<b>Remembering Daniel Kleppner as a scientist, a teacher and a statesman of science</b> Serge Haroche L'École Normale Supérieure (ENS)	11
9:45-10:10	<b>Quantum Sensing in Space for Fundamental Physics and Earth Observation</b> Naceur Gaaloul Leibniz University Hannover	12
10:10-10:35	<b>Research progress of cold atom interferometer on China Space Station</b> Xi Chen Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences	13
10:35-11:10	<b>Coffee Break</b>	
<b>Session II</b>	Chair:Naceur Gaaloul Leibniz University Hannover	
11:10-11:35	<b>ACES preliminary results</b> Luigi Cacciapuoti European Space Agency	14
11:35-12:00	<b>High-precision time-frequency experiment system in China Space Station</b> Shougang Zhang National Time Service Center of the Chinese Academy of Sciences	15
12:00-12:25	<b>A two-stage cooling of quantum gases below 10 picokelvin in space</b> Xuzong Chen Peking University	16

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 Tuesday June 16, 2026
 

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12:25-14:00	<b>Buffet Lunch</b>		
<b>Session III</b>	Chair:Ernst Rasel	Leibniz University Hannover	
14:00-14:35	<b>Quantum simulation, quantum learning, and quantum sensing with programmable atomic systems</b>	Peter Zoller	University of Innsbruck ..... 17
14:35-15:10	<b>Quantum Network: quantum communication, computation, and metrology</b>	Jianwei Pan	University of Science and Technology of China ..... 18
15:10-15:45	<b>Coffee Break</b>		
<b>Session IV</b>	Chair:Augusto Smerzi	European Laboratory for Non-Linear Spectroscopy	
15:45-16:20	<b>Laser-driven Mössbauer spectroscopy for nuclear clock</b>	Jun Ye	JILA, University of Colorado ..... 19
16:20-16:55	<b>Progress in nuclear laser spectroscopy of thorium-229</b>	Ekkehard Peik	Physikalisch-Technische Bundesanstalt (PTB) ..... 20
16:55-19:00	<b>Poster Session</b>		
19:00-22:00	<b>Conference Dinner &amp; After-Dinner Speeches</b>	Chair:Zhengtian Lu	University of Science and Technology of China

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 Wednesday June 17, 2026
 

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<b>Session I</b>	Chair:Xing-Can Yao	University of Science and Technology of China	
9:00-9:35	<b>Emergence of order in homogeneous Bose gases</b>	Zoran Hadzibabic	University of Cambridge ..... 21
9:35-10:00	<b>Spin nematic squeezing and three-outcome bell correlator</b>	Li You	Tsinghua University ..... 22
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10:25-11:00	<b>Coffee Break</b>		
<b>Session II</b>	Chair:Jun Ye	JILA, University of Colorado	
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12:25-14:00	<b>Buffet Lunch</b>		
14:00-18:30	<b>Free Discussion &amp; Excursions</b>		
18:30-20:00	<b>Buffet Dinner</b>		

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 Thursday June 18, 2026
 

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<b>Session I</b>	Chair:Peng Xu	Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences	
9:00-9:35	<b>Entangling atomic qubits over short and long distances</b>	Mark Saffman	University of Wisconsin-Madison ..... 24
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10:00-10:25	<b>Aperiodic many-body quantum matter produced in an ultra-cold quantum degenerate plasma: Direct observation of fractional elementary charges</b>	Klaus Muller-Dethlefs	The University of Manchester ..... 26
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Thursday June 18, 2026

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19:00-20:00	<b>Buffet Dinner</b>		

Saturday June 20, 2026

Full day

Departure

Monday 15<sup>th</sup> June

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Monday 15<sup>th</sup> June

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Monday 15<sup>th</sup> June

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