MONDAY, JUNE 23, 2025				TUESDAY, JUNE 24, 2025				WEDNESDAY, JUNE 25, 2025			
8-8:30 a.m.	O a.m. Quantum Workshop 2025 Check-In and Breakfast										
8:30-9 a.m.		Welcome and Opening Rem									
9-9:30 a.m.	Computing	"Architecting a neutral atom quantum computer"	Mark Saffman	9-9:30 a.m.	_	"Radio Frequency Sensing with Atoms"	Jim Schaffer	9-9:30 a.m.	Comput	"Atomic quantum processors and the error-correction frontier"	Dolev Bluvstein
9:40- 10:10 a.m.		"Quantum Computational Fluid Dynamics"	Dieter Jaksch	9:40- 10:10 a.m.	um Computing		Ryan Bennink	9:40- 10:10 a.m.		"Probing many-body quantum states in large-scale experiments with randomized	Benoit Vermersch
10:20- 10:50 a.m.	Quantum	-BREAK-		10:20- 10:50 a.m.	Quantum	-BREAK-		10:20- 10:50 a.m.	Quantum	measurements" —BREAK—	
10:50- 11:20 a.m.	Simulation	"Quantum gas microscopy of three-flavor Hubbard systems"	Peter Schauss	10:50- 11:20 a.m.	===	"Towards simulating monitored quantum systems with trapped ions"	Rajibul Islam	10:50- 11:20 a.m.	Simulation III	"Fermionic superfluids in two and three dimensions"	Henning Moritz
11:30 a.m 12 p.m.		"Programmable ultracold quantum matter: from correlated fermions to paraparticles"	Kaden Hazzard	11:30 a.m 12 p.m.	Simulation II	"Geometric Floquet Theory"	Marín Bukov	11:30 a.m 12 p.m.		"Observation of Shapiro Steps in an Atomic Superfluid"	Herwig Ott
12:10-2 p.m.	Quantum	-LUNCH BREAK- (GROUP PHOTO)		12:10- 1:30 p.m.	Quantum	-LUNCH BREAK-		12:10-2 p.m.	Quantum	-LUNCH BREAK-	
2-2:30 p.m.	ng	"Quantum simulations with neutral atoms"	Ceren Dag	1:30-2 p.m.	Ö	"Distributed quantum science with neutral atom arrays"	Jacob Covey	2-2:30 p.m.	Qua	"Ultralong-Range Molecules: From Structure to Dynamics"	Peter Schmelcher
2:40- 3:10 p.m.		"Advancing the Frontiers of Quantum Computational	Travis Humble	2:10- 2:40 p.m.	ks II	"Quantum Sensing: from Scientific Discovery to		2:40-3 p.m.		End of Workshop and Closing Remarks	
0.10 p.11.	<u>-</u>	Science"		2. 10 p.11.	Networks II	Applications"		3 p.m.		Lab Tours	
3:20- 3:50 p.m.	Algorithms I	-BREAK-		2:50- 3:20 p.m	and Ne	"Atom-based quantum sensors: some like it hot"	Irina Novikova				
3:50- 4:20 p.m.	Quantum Alg	"Optimal Coherent Quantum Phase Estimation via Tapering"	Andrew Sornborger	3:30- 4:00 p.m.	Quantum Sensing	"Scalable and Resilient Architectures for Quantum Networking: From Flex-Grid	Muneer Alshowkan				
4:30- 5 p.m.		"Inverse design of many-body Hamiltonians via quantum optimization and learning"	Christian Kokail	4:10- 4:40 p.m.						Duncan Earl	
5:10-7 p.m.		POSTER SESSION	4:50 p.m.	Travel to Tennessee Aquarium							
7-10 p.m. —FREE EVENING—				6-7 p.m.	Panel Discussion: Industry meets Quantum Computing, Tennessee Aquarium Charlie Brock (CEO, CQC) Brad Chadwell (Director of Enterprise Research and Innovation, TVA) Dieter Jaksch, (Hamburg University) Paul Parazzoli (Program Development Lead, IBM) Janet Rehberg (President of Strategic Initiatives, EPB) Mark Saffman, (University of Wisconsin Madison, Infleqtion)						
				7-9 p.m.	· · · · · · · · · · · · · · · · · · ·						
						Tennessee Aquarium Tour					