



| Time          | Monday, June 10th   | Tuesday, June 11th  | Wednesday, June 12th   | Thursday, June 13th  | Friday, June 14th  |
|---------------|---|---|--|----------------------|--|
| 9:00          | Registration  | <b>Annabelle Bohrdt</b>   Uni. Regensburg<br>Hybrid learning: combining neural quantum states with quantum simulation                     | <b>David Weld</b>   UCSB<br>Probing quantum dynamics with strongly driven ultracold atoms                | PhD talks            | <b>Christopher Trummer</b>   Venture Lab Quantum<br>How to start a company |
| 9:30          | Welcome   | <b>Jacquelyn Ho</b>   UC Berkley<br>Cavity-coupled atom arrays for quantum science  | <b>Immanuel Bloch</b>   MPQ & LMU<br>New Avenues for Quantum Simulation for Atoms, Photons and Molecules |                      |  |
| 9:45          | <b>Ignacio Cirac</b>   MPI of Quantum Optics<br>Quantum Simulation: algorithms and errors                       |   |  |                      |  |
| 10:30         | Coffee Break  | Coffee Break  | Coffee Break   | Coffee Break         | Coffee Break   |
| 11:00         | <b>Sagar Vijay</b>   UCSB<br>TBA  | <b>Peter Rabl</b>   WMI<br>Quantum Information processing with Spins and Phonons  | <b>Wes Campbell</b>   UCLA<br>Optical cycling of new trapped ion species                                 | PhD talks            | Meet the founders  |
| 11:45         | <b>Florian Marquardt</b>   MPI of Light<br>Machine learning discovers strategies for improved quantum computing | <b>Jonathan Simon</b>   Stanford<br>Racing to the Bottom: Low Finesse, Small Waist Cavity QED   | <b>Dominik Bucher</b>   TUM<br>Spin defects in diamond for nano- and microscale sensing applications     |                      |  |
| 12:30         | Lunch   | Lunch   | Lunch  | Lunch                | Lunch  |
| 14:00         | <b>Monika Aidelsburger</b>   MPQ & LMU<br>Quantum simulation of topology and gauge theories with cold atoms     | <b>Alexander Holleitner</b>   WSI - TUM<br>Spatially coherent many-body exciton ensembles in 2D heterostructures                          | <b>Barbara Kraus</b>   TUM<br>Verifying quantum circuits and quantum simulations                         | PhD talks            | Lab tours in Munich (LMU Physics)  |
| 14:45         | <b>Eric Hudson</b>   UCLA<br>TBA  | <b>Alexander Weber-Bargioni</b>   LBNL<br>Controlling Quasiparticle Excitation by Atomically Engineered Heterostructures in 2-D Materials | <b>Manuel Endres</b>   CalTech<br>Quantum Science with Tweezer Arrays                                    |                      |  |
| 15:30         | Coffee Break  | Coffee Break  | Coffee Break   |                      | End  |
| 16:00 - 17:30 | Poster session  | Lab tours in Garching (MPQ, WMI, WSI)   | 16:30 Active networking & Free afternoon<br>Check app for details.                                       | Coffee Break         |  |
|               |   |   |  | 16:45 Poster session |  |
| 19:00         | Dinner at a beer garden in Garching   | Dinner at Gasthof Neuwirt   |  |                      | 21:00 Public Viewing UEFA EURO 2024:<br>Germany-Scotland                   |

- Scientific talks by invited speakers
- PhD Talks
- Special sessions
- Industry
- Social activities