

K3 Site Visit

MAX-PLANCK-INSTITUT
FÜR QUANTENOPTIK



JULY 13 2023

Max-Planck-Institute for Quantum Optics
Ludwig Maximilian University of Munich



K3 Site Visit

Program

MPQ Site

Herbert-Walther Lecture hall

09:00 - 09:15 Welcome and projects overview (Immanuel Bloch)

09:15 - 09:30 MQV Sr quantum computer demonstrator & highlights of cooperation
with K6 and K8 (Andrea Alberti)

09:30 – 09:45 Collaboration on Compiler with K5 and K8 and Analog-Ising machine
(Johannes Zeiher)

09:45 – 10:00 Collaboration with LRZ, RD-Lab and Sr-Clock Projects (Sebastian Blatt)

10:00 - 10:15 Update from Heidelberg University (Wolfram Pernice)

10:15 – 10:45 First Q&A Session

10:45 – 11:00 Coffee break

— Lab Visits —

11:00 - 11:30 Sr-Ising Lab

11:30 - 12:00 MQV Lab

12:00 - 12:30 Sr Cavity / Sr-Clock Lab

12:30 - 13:30 Lunch Break

13:30 - 14:00 Final MPQ Q&A Session (Herbert-Walther Lecture hall)

Transfer to LMU

LMU Site

Seminar room H107

15:00 - 15:30 Projects overview and presentations: Alternative Yb-qubit
(Monika Aidelsburger, Simon Fölling)

15:30 – 16:00 First Q&A Session

16:00 – 16:10 Coffee break

— Lab Visits —

16:10 - 16:30 Yb Lab

16:30 – 16:40 Closing remarks

16:40 - 17:00 Closed Meeting of MQV Geschäftsstelle (Meeting room H138)

17:00 - 17:30 Final LMU Q&A Session (Seminar room H107)