Poster contributions

17.00-17.30 Yellow poster presenter at the poster
17.30-18.00 Green poster presenter at the poster
18.00-18.30 Blue poster presenter at the poster

Number	*City/University/group*
	Barcelona (H de Riedmatten group)
1	*Towards a functional repeater link using Pr3+:YSO quantum memories* Appas et al.
	Canberra (M Sellars/R Ahlefeldt group)
2	*Proposal for a quantum repeater demonstration using $^{167}Er:Y_2SiO_5$* Stuart et al.
	Darmstadt (T Halfmann group)
3	*Progress towards single photon EIT light storage at ZEFOZ conditions in Pr:YSO* Hain et al.
4	*Spatial confinement of atomic excitation by composite pulses in Pr:YSO* Joseph et al.
5	*Robust dynamical decoupling driven by pulses with field inhomogeneities in Pr:YSO* Stewen et al.
	Delft (S Gröblacher group)
6	*Towards nonlinear optomechanics with single erbium ions* Da Prato et al.
	(W Tittel group)
7	*Towards the realization of REI-based indistinguishable quantum emitters in the telecom band* Urbinati et al.
	Edinburgh (M Mazzera group)
8	*Modelling a gradient echo memory (GEM) in a laser-inscribed waveguide in praseodymium doped yttrium orthosilicate crystal* Alizadeh et al.
9	*Investigations of Pr:YVO4 for its application as a large bandwidth telecom quantum memory* Keenan et al.
	Geneva (M Afzelius group)
10	*AFC spin-wave storage under 250 mT magnetic field in $^{151}Eu^{3+}:Y_2SiO_5$* Chen et al.
11	*Towards large bandwidth spin-wave storage in $^{171}Yb^{3+}:Y_2SiO_5$* Meija et al.

Hefei (Z-Q Zhou, (Li, Guo) group)

12 *An optical spin wave quantum memory with high efficiency*
Ming Jin et al.

13 *An integrated quantum memory in $^{151}Eu:Y_2SiO_5$ using optical-lattice-like waveguides*
Pei-Xi Liu et al.

14 *Nonlocal quantum gate between nodes separated by 7 kilometres*
Xiao Liu et al.

15 *Progress towards integrated long-duration quantum memory*
Yuping Liu et al.

16 *On-demand multimode optical storage in a laser-written on-chip waveguide*
Ming-Xu Su et al.

17 *Multimode quantum storage of deterministic entanglement based on solid state systems*
Li Xue et al.

18 *Integrated spin-wave quantum memory*
Tian-Xiang Zhu et al.

U of **Illinois** (E Goldsmith group)

19 *Towards dynamic atomic mirrors*
Prabhu et al.

Karlsruhe (D Hunger group)

20 *Towards coherent single praseodymium ion quantum memories in optical fibre microcavities*
Bieling et al.

21 *Novel Yb^{3+}-based materials for integration in optical microcavities*
Hessenauer et al.

22 *A cryo-compatible, high finesse all-fibre microcavity for REI spectroscopy*
Jobbitt et al.

Lund (Kröll/Rippe/Walther group)

23 *Micro-cavity length stabilization for fluorescence applications using higher order spatial modes*
Abdelatief et al.

24 *Slow light laser frequency stabilization*
Gustavsson et al.

25 *A high-connectivity rare-earth quantum computer can be only tens of nanometers in size*
Kinos et al.

26 *Tm^{3+} doped $LiNbO_3$ and LaF_3 crystals for deep tissue optical imaging*
Zabiliūtė-Karaliūnė et al.

Munich
(N Kukharchyk group)

27 *Fabrication of a superconducting transmission line in a planar design on a spin-doped crystalline membrane*
Mair et al.

28 *Broadband electric spin resonance spectroscopy of rare earth spin ensembles at mK temperatures*
Strinic et al.

(A Reiserer group)

29 *Erbium emitters in commercially fabricated nanophotonic silicon waveguides*
Burger et al.

30 *Spectral & magnetic characterization of erbium sites in silicon nanophotonic waveguides*
Sandholzer et al.

(Walter-Schottky Institut, TUM)

31 *Efficiency trade-off for on-chip designs using the optical AFC protocol*
F Becker et al.

Nice (J Etesse group)

32 *Emergence of decoherence in RE ion-doped crystals from coupling between ion species*
Pignol et al.

Paris (P Goldner group)

33 *Growth and optical spectroscopy of Pr ethylsulfate crystals for quantum transduction*
Chiosso et al.

Thales (L Morvan group)

34 *Towards highly efficient integrated quantum memories in rare earth doped crystals*
Chan et al.