

Prof. Julien Laurat, Laboratoire Kastler Brossel
- Full Conference List (July 28th, 2016) -

(contributions by group members not included)

1. Informal quantum information gathering IQING (UK, 2002) *Bright EPR beams with a self-phase locked OPO* (contributed)
2. ICO topical meeting on polarization optics (Finland, 2003) *Polarization couplings in optical cavity* (contributed)
3. Continuous variables quantum information processing CVQIP'04 (Germany, 2004) *Experimental generation of EPR beams with a self-phase locked OPO* (invited)
4. Quantum Information Processing and Communications QIPC (Italy, 2004), *Experimental generation of quadrature entanglement in a self-phase locked OPO* (contributed)
5. Continuous variables quantum information processing CVQIP'06 (Denmark, 2006), *Quantum communications with atomic ensembles in the single excitation regime* (invited)
6. Conference on quantum communication, measurement and computing QCMC'06 (Japan, 2006), *Efficient retrieval of a single excitation stored in an atomic ensemble* (invited)
7. French-Israeli symposium on non-linear and quantum optics FRISNO'9 (France, 2007), *Conditional control of remote atomic memories for quantum networking* (contributed)
8. Workshop on Quantum Engineering with Neutral Atoms and Light (Germany, 2007), *Functional quantum nodes for entanglement distribution over a scalable network* (invited)
9. CLEO (Germany, 2007), *Quantum networking with atomic ensembles in the single excitation regime* (contributed)
10. Solvay workshop on Bits, Quanta, and Complex Systems (Belgium, 2008), *Quantum networking with atomic ensembles : single excitation and continuous variables* (invited)
11. Foundations of Quantum Mechanics and Information with Atoms and Photons (Italy, 2008), *Entanglement of atomic ensembles in the single excitation regime* (invited)
12. Frontiers of Quantum and Mesoscopic Thermodynamics FQMT'08 (Czech Republic, 2008), *Quantum networking with atomic ensembles in the single excitation regime* (invited)
13. Conference on Quantum Communication, Measurement and Computing QCMC'08 (Canada, 2008), *Matter-matter entanglement for quantum networks* (invited)
14. 1st ICST Conference on Quantum Communication and Quantum Networking (Italy, 2009), *Matter-matter entanglement* (invited)
15. CLEO (USA, 2010), *Experimental characterization of optical detectors for single-photon subtraction* (contributed)
16. Conference on Quantum Communication, Measurement and Computing QCMC'10 (Australia, 2010), *Quantum memory and repeater architecture with continuous variables* (invited)
17. 5th Asia-Pacific conference on quantum information science 5thAPCQIS (China, 2010), *Quantum networking with continuous variables of atoms and light* (invited)
18. 18th Central European Workshop on Quantum Optics CEWQO'18 (Spain, 2011), *Quantum decoherence of single-photon counters* (invited)
19. Frontiers of Quantum and Mesoscopic Thermodynamics FQMT'11 (Czech Republic, 2011), *Quantum-to-classical transition of single-photon counters* (invited)
20. Photons beyond qubits (Czech Republic, 2013), *Optical hybrid quantum information* (invited)
21. 22nd International Laser Physics workshop L'Phys (Czech Republic, 2013), *A reversible quantum memory for qubits encoded in twisted photons* (invited)
22. 13th International Conference on Squeezed states and Uncertainty Relations ICSSUR (Germany, 2013), *Optical hybrid quantum networks* (invited)
23. Frontiers of Quantum and Mesoscopic Thermodynamics FQMT'13 (Czech Republic, 2013), *Witnessing single-photon entanglement with continuous-variable measurements* (invited)
24. Quantum Information Processing and Communication QIPC 2013 (Italy, 2013), *Optical hybrid quantum information- some recent illustrations* (contributed)

25. Asia-Pacific conference and workshop on quantum information science (Korea, 2013), *Optical hybrid quantum networks* (invited)
26. Quantum Information and Measurements OSA QIM (Germany, 2014), *Entangling particle-like and field-like optical qubits at a distance* (contributed)
27. Photons beyond qubits (Czech Republic, 2014), *Entangling particle-like and field-like optical qubits at a distance* (invited)
28. 21st European Central European Workshop on Quantum Optics CEWQO 2014 (Belgium, 2014), *Quantum networking with optical hybrid resources* (invited)
29. 23rd International Laser Physics Workshop LPHYS (Bulgaria, 2014), *Remote creation of of optical hybrid entanglement* (invited)
30. 7th Italian Quantum Information Science Conference IQIS (Italy, 2014), *Optical hybrid quantum information* (invited)
31. Conference on Quantum Communication, Measurement and Computing QCMC (China, 2014), *Long-distance quantum networking based on optical hybrid resources* (contributed)
32. Australian Institute of Physics Congress AIP 2014 (Australia, 2014), *Sculpting the quantum light* (invited)
33. Workshop on nanomagnetism, spin electronics, carbon-based materials and quantum optics NanoSECQO 2015 (France, 2015), *Long-distance quantum networks with optical hybrid resources* (invited)
34. Photons beyond qubit 2015 (Czech Republic, 2015), *Sculpting and storing the quantum light* (invited)
35. SPIE Optics+OptoElectronics (Czech Republic, 2015), *Quantum memories with cold neutral atoms : from free-space to all-fibered implementations* (invited)
36. Optical nanofiber applications : from quantum to bio technologies ONNA 2015 (Japan, 2015), *Reversible storage of tightly guided light in an optical nanofiber* (invited)
37. Quantum Information Processing and Communication QIPC 2015 (UK, 2015), *From free-space quantum memories to all-fibered implementations* (contributed)
38. The 46th Winter Colloquium on the Physics of Quantum Electronics PQE-2016 (USA, 2016), *Combining cold atoms and nanophotonics-a memory for tightly guided light in an optical nanofiber* (invited)
39. SPIE Photonics West (USA, 2016), *Interacting cold atoms with tightly guided light* (invited)
40. Central European Workshop on Quantum Optics 2016 (Greece, 2016), *Storing light and controlling its transport in 1D nanoscale waveguides coupled to cold atoms* (invited)
41. Laser Physics Workshop 2016 (Armenia, 2016), *Coupling one dimensional nanoscale waveguides to cold atoms* (invited).

Tutorials

1. GDR 'Information et communication quantique' (France, 2008), *Recent developments of light-matter interfaces based on atomic ensembles*
2. Third Russian-French laser physics workshop (Russia, 2008), *How to generate heralded entanglement between matter systems : two examples* (invited)
3. GDR 'Information quantique, fondements et applications' (France, 2011), *Light-light, light-matter and matter-matter entanglement : a review*
4. School on quantum information science and workshop on quantum measurement (Taiwan, 2011)
5. School on quantum manipulation of atoms and photons QMAP (China, 2011), *Lectures on quantum state engineering*
6. PRI 2012 (France, 2012), *Cold atoms for quantum information science and technology*
7. Ecole résidentielle des nanosciences Ile-de-France (France, 2012), *Cold atoms for quantum information science and technology*
8. Quantum Information in Paris Network QuPa (France, 2013), *Optical hybrid quantum information*
9. Doctoral school of the NextLite Project (Austria, 2016), *Optical quantum memories : from free-space to all-fibered implementations.*

General audience presentation

1. Sciences à Coeur UPMC (France, 2014), *Le traitement quantique de l'information*
2. Colloque de la Société Royale des Sciences de Liège (Belgium, 2015), *Les vitesses folles de la lumière*
3. Congrès de la Société Française d'Optique (France, 2016), *Arrêter la lumière dans une fibre: la rencontre des atomes froids et de la nanophotonique.*