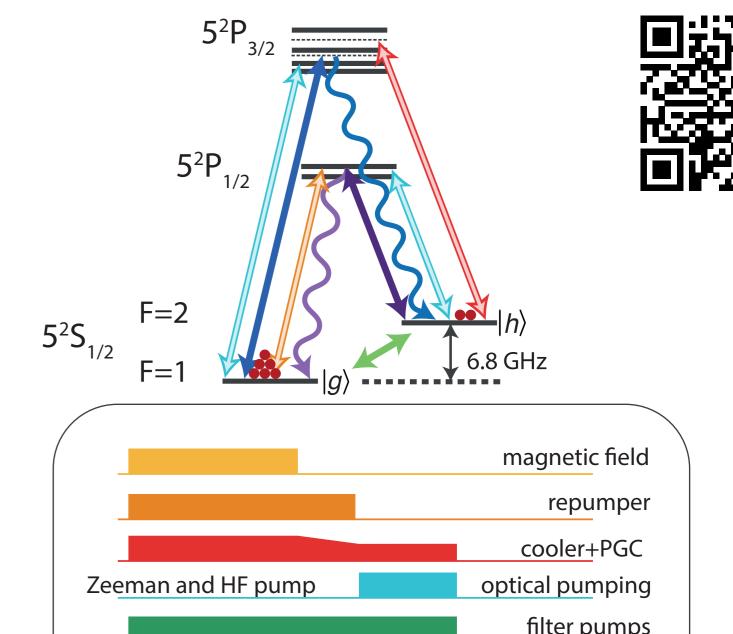




## Memory-enabled source of multimode quantum light Michał Parniak\*

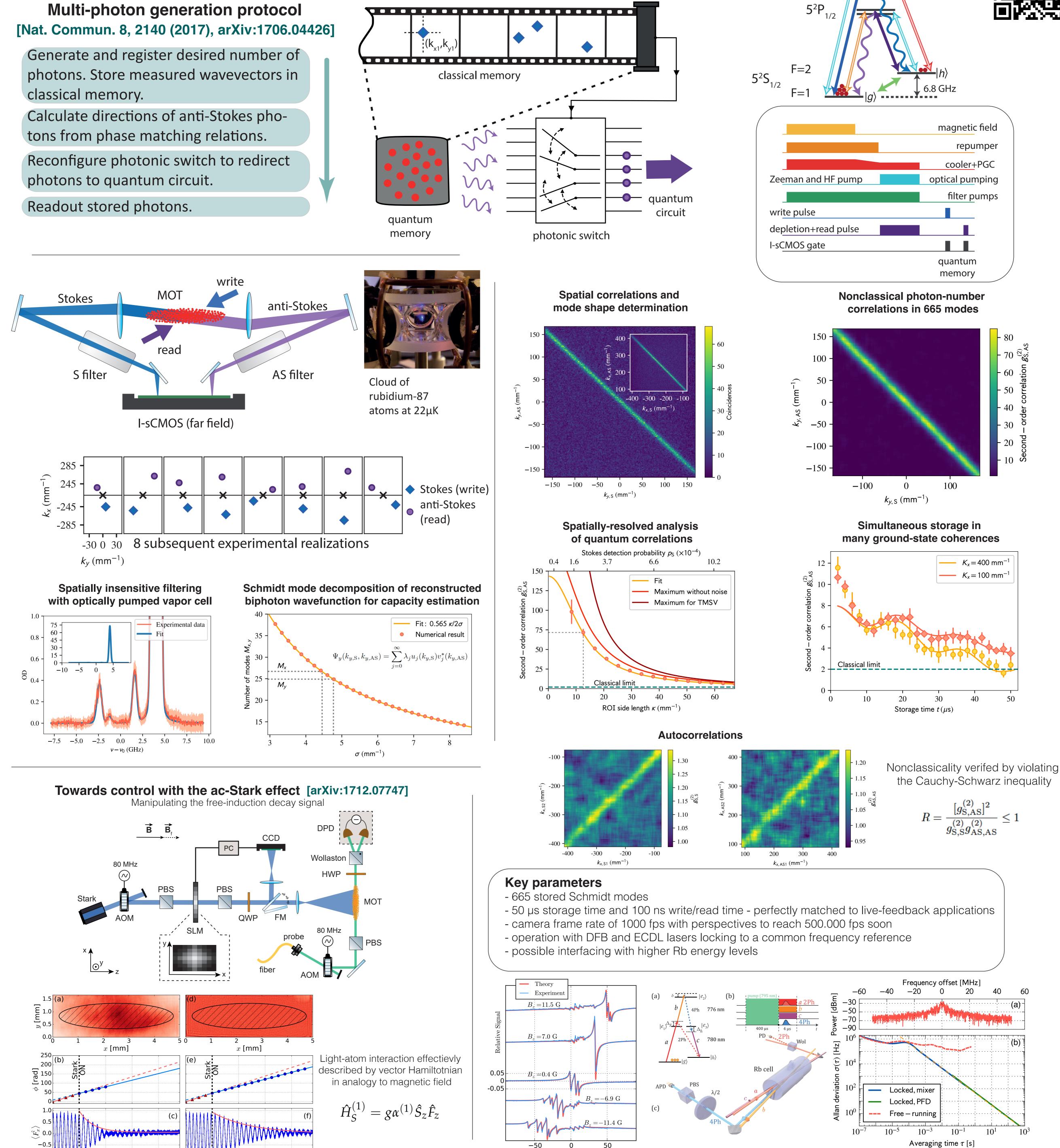
M. Dąbrowski, M. Mazelanik, A. Leszczyński, M. Lipka & W. Wasilewski psi.fuw.edu.pl \*michal.parniak@fuw.edu.pl

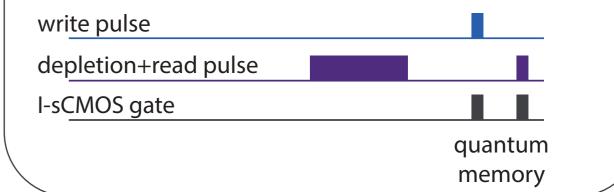


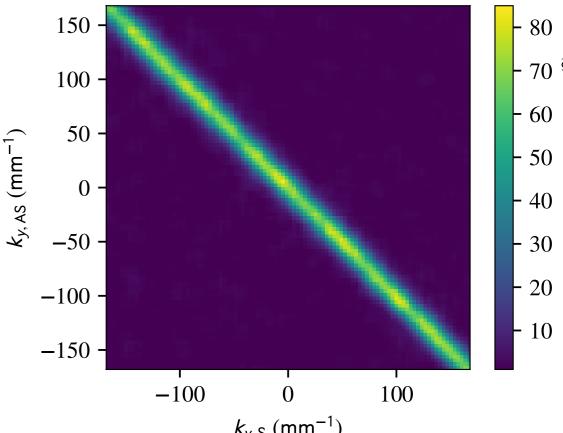
## Multi-photon generation protocol

photons. Store measured wavevectors in

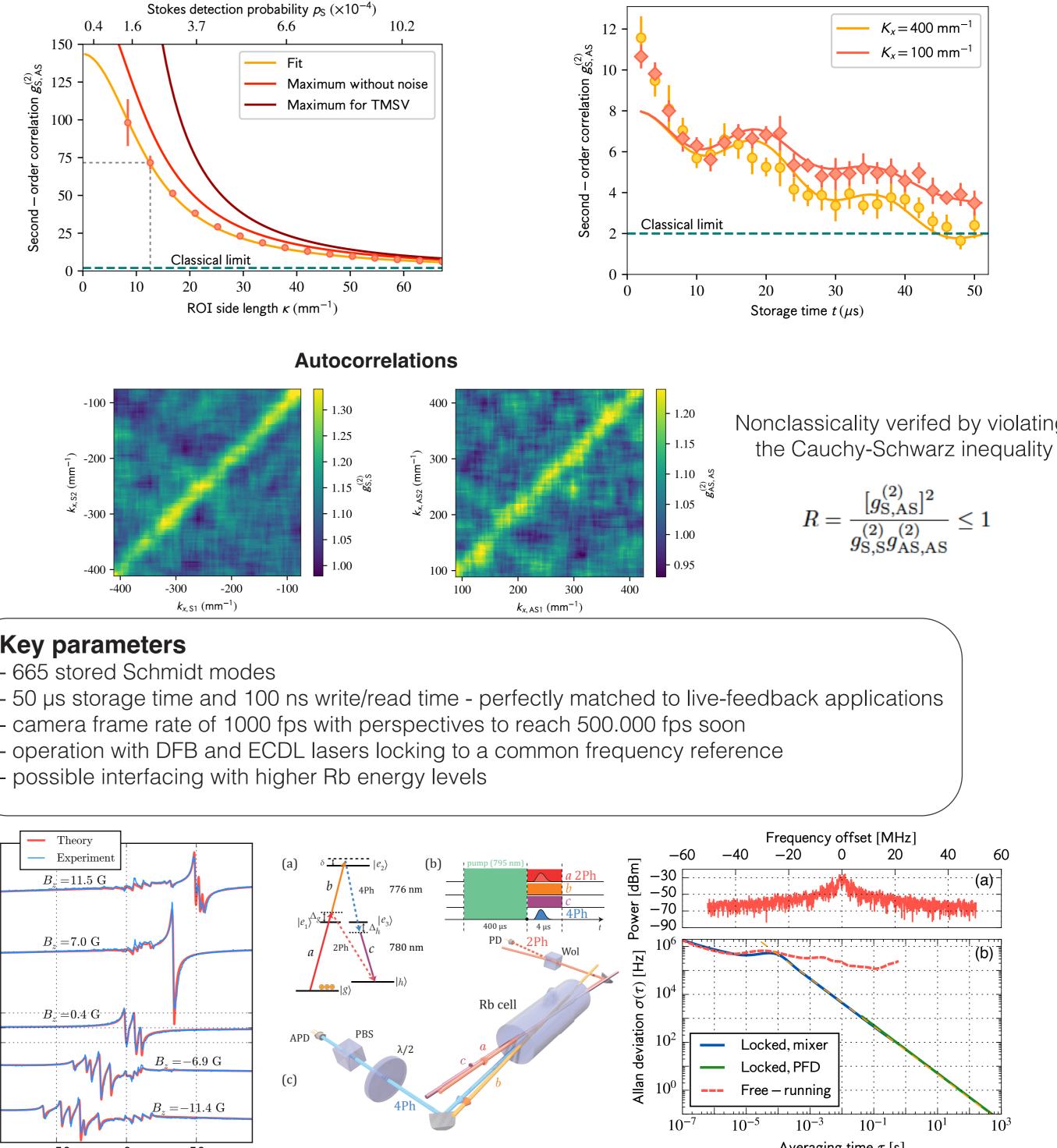
photons to quantum circuit.



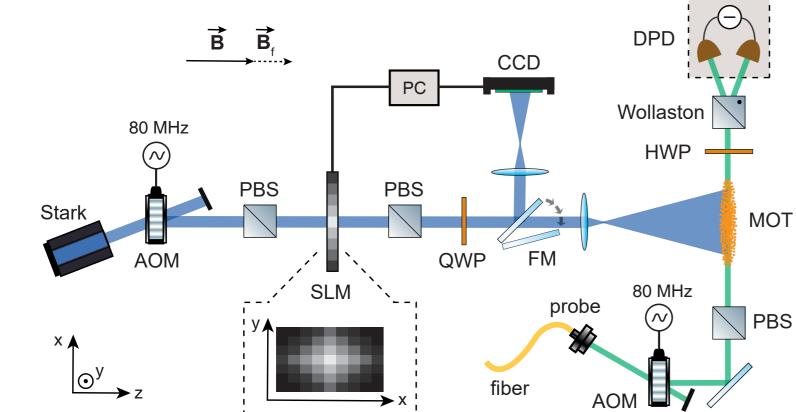


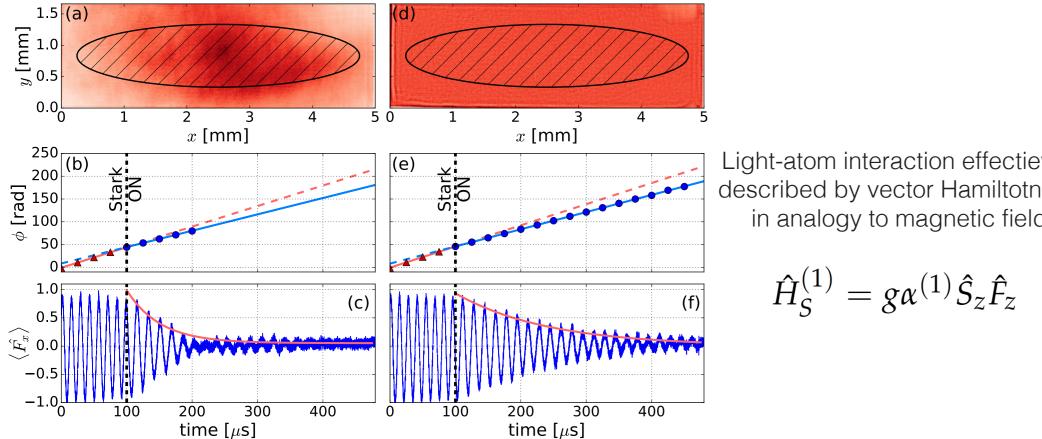


[Appl. Phys. B 123:238, arXiv:1612.00859]









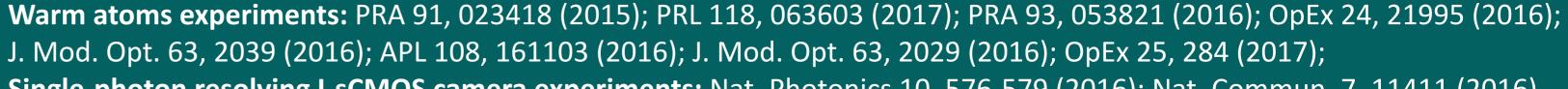
[Appl. Phys. Lett. 108, 161103 (2016), PRA 93, 053821 (2016)]

Detuning  $\delta (2\pi \text{ MHz})$ 

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Single-photon resolving I-sCMOS camera experiments: Nat. Photonics 10, 576-579 (2016); Nat. Commun. 7, 11411 (2016).