Abstract Submitted
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Low-Light Shadow Imaging using Quantum-Noise Statistics[1] ZIQI
NIU, SAVANNAH CUOZZO, IRINA NOVIKOVA, EUGENIY MIKHAILOV,
William Mary, PRATIK BARGE, HWANG LEE, LIOR COHEN, Louisiana State
University — We show that the shapes of opaque objects can be recovered with
a few-photon thermal light using spatial quantum noise analysis. Our method is
immune to the camera dark noise thanks to camera-based homodyne detection.

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