applications





- sensors, and universal quantum computers, relies on controllable quantum entanglement [2]
- Theoretical proposals: Entangled pairs of electrons in a photons by interfacing a superconductor layer with a semiconductor layer [3], [4]
- these requirements [1]



[3] I. Suemune et al., Japanese J. Appl. Physics, 45, 12, 9264–9271, (2006), doi: doi.org/10.1143/JJAP.45.9264 [4] A. Hayat, H. Y. Kee, K. S. Burch, and A. M. Steinberg, Phys. Rev. B 89, 9, p. 094508, (2014), doi.org/10.1103/PhysRevB.89.094508. [5] Liu, X., He, J., Liu, Q. et al. J. Appl. Phys. 118, 124506 (2015), https://doi.org/10.1063/1.4931617

with the hBN. Etch parameters: CHF_3 :O2 40:4 sccm with 60 W RF power and 60 mTorr gas pressure

