

The goal now is to find a feature to discern the second excited state once the system reaches it. From Eqs. (??) and (??), we find that the second-order cor-

relation function of photons $a + b$ for the second doublet is much larger than that for the first doublet, i.e. $a + b + c + d + e + f + g + h + i + j + k$ [1].

-
- [1] J. J. Sanchez-Mondragon, N. B. Narozhny, and J. H. Eberly, Phys. Rev. Lett. **51**, 550 (1983).