

| Condition | Signal LP angle | Idler self-interference visibility (V) |
|------------|---------------------------------|---|
| Eraser On | 22.5° | 0.481 |
| Eraser Off | -22.5° (337.5°) | 0.055 |

Table 1: Observed visibilities for idler self-interference in the MZI, when erasing which-way information from the signal photon (or not) in the entangled quantum eraser experiment.

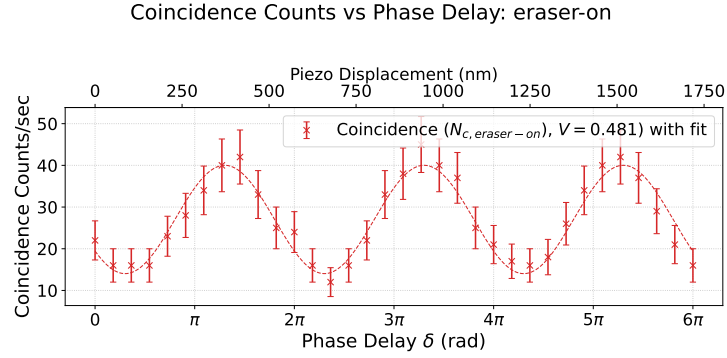


Figure 1: Erasing which-way information from the signal photons produced high visibility ($V = 0.481$) self-interference of the idlers in the MZI. Coincidence counts vs Phase Delay with the eraser on.

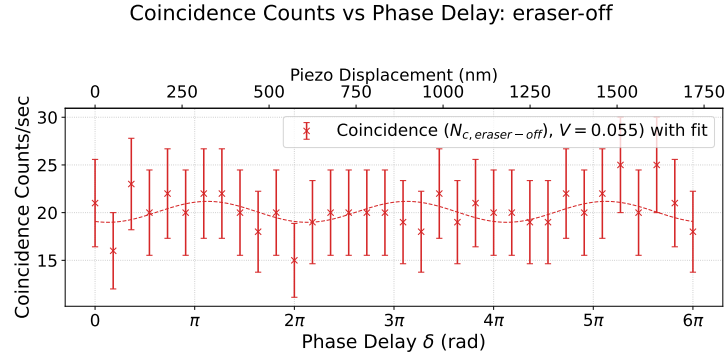


Figure 2: Not erasing which-way information from the signal photons prevented self-interference of the idlers in the MZI, resulting in low visibility ($V = 0.055$). Coincidence counts vs Phase Delay with the eraser off.