



Fig. 2. Sketch of experimental setup. An SPDC source is used as a heralded single-photon source. The two optical paths R_1 and R_2 correspond to the outer cycle of the nested Zeno effect in the Michelson interferometer setup, while the paths R_2 and R_3 (the transmission channel) correspond to the inner cycle interferometer. Alice's and Bob's boxes are separated by 50 cm. D_0 , D_1 , and D_t , SPD; HWP, half-wave plate; PBS, PBS reflecting vertically polarized photons; QWP, quarter-wave plate.

Bob

