Initialize → Sense → Measure → f_B^{est}

ϑ | μ_i

Bayesian estimate
$f_B^{est}, \vartheta \to F(\mu_1, \mu_2, ...)$

N

DC   dichroic mirror
APD   avalanche photon detector
MW   microwave source
AWG   arbitrary waveform generator
ADwin microprocessor

E_y

E'

MW

APD

DC

$\pi/2_x$

AWG

ADwin

$\pi/2_{(\varphi + \vartheta)}$

FPGA

ϑ

$P(f_B | \mu_i)$

f_B