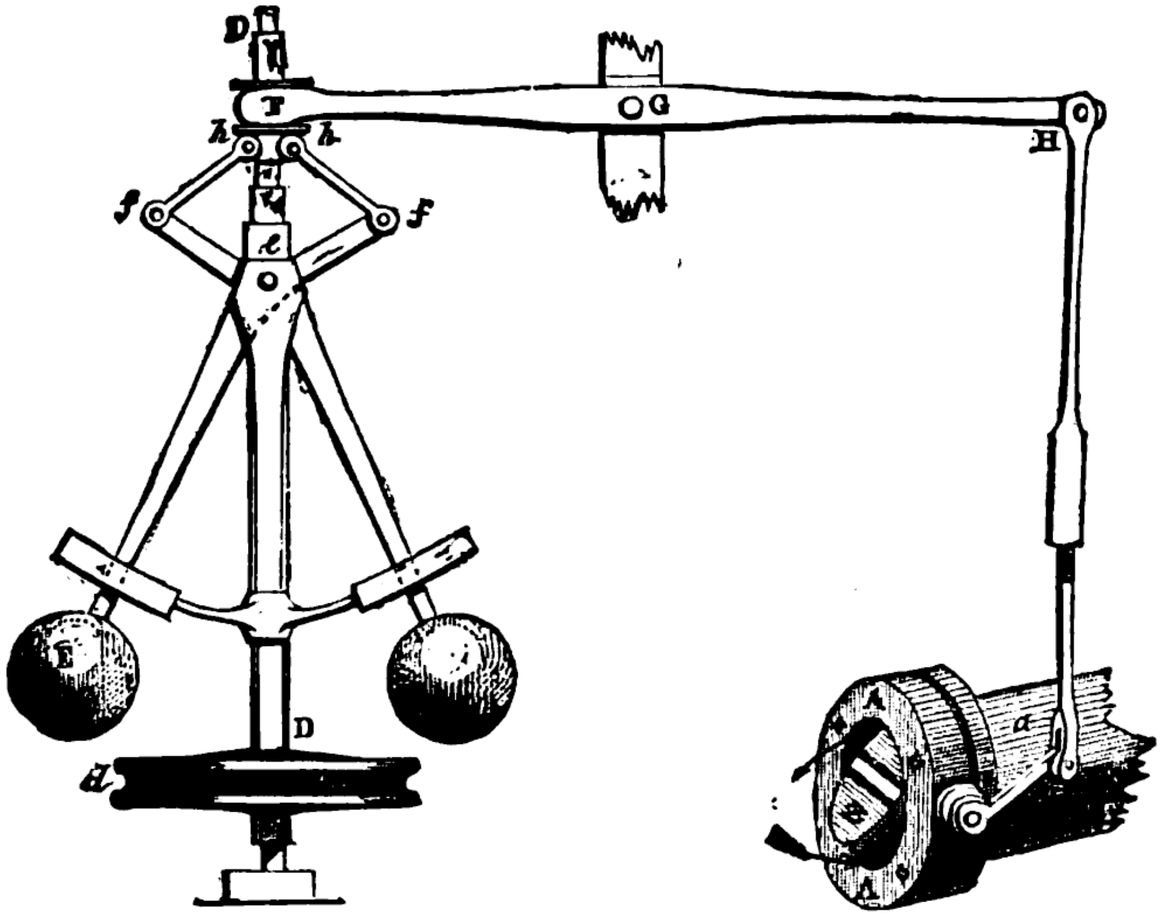
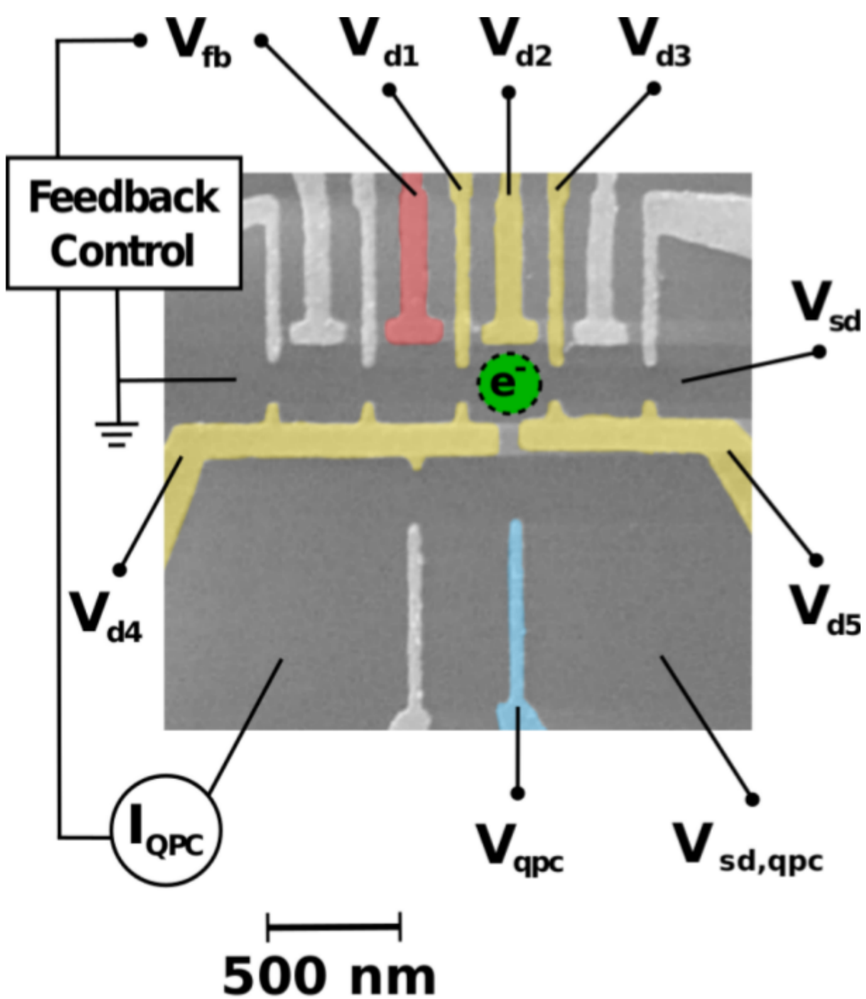
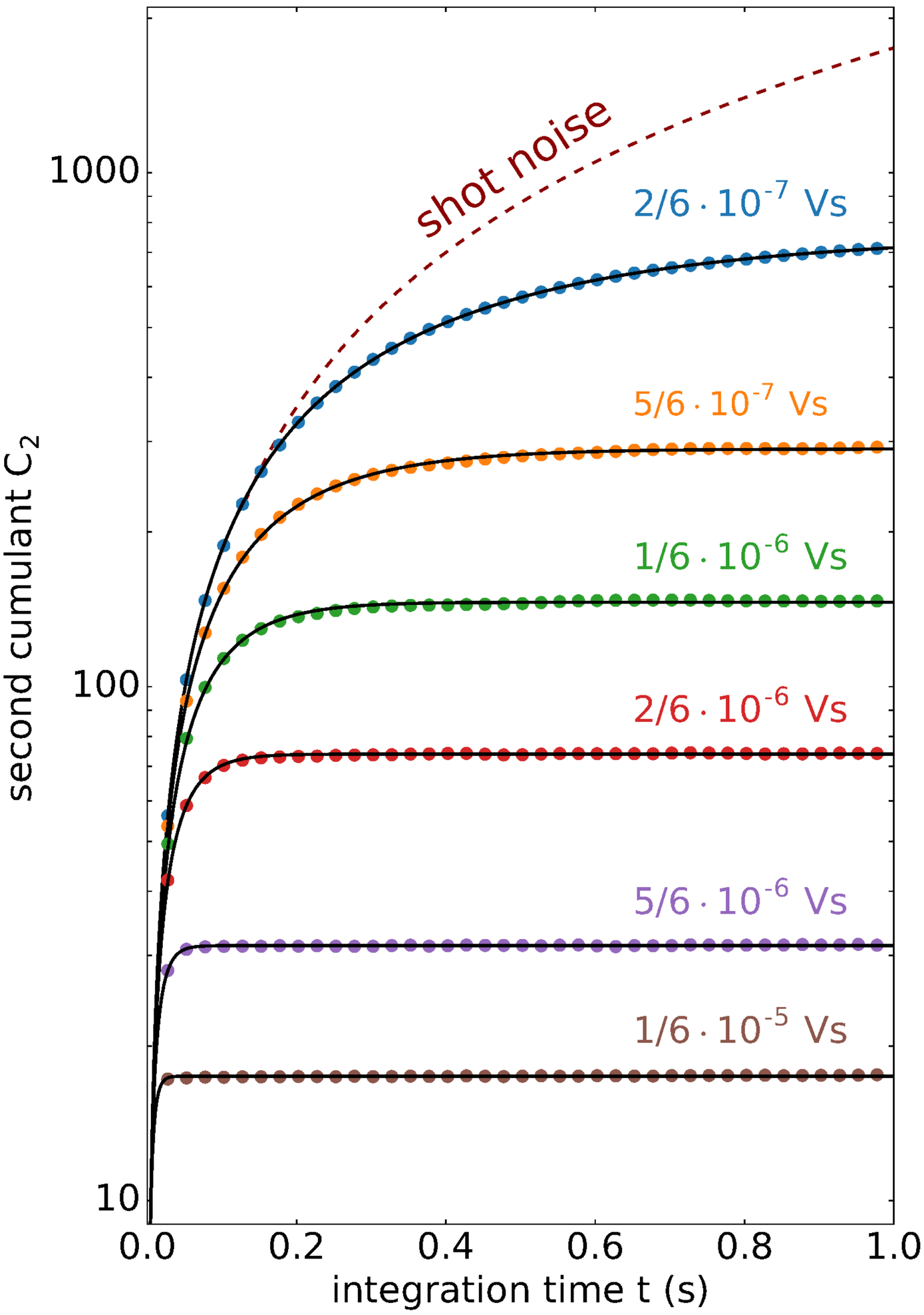




V_{fb}
V_{d1}
V_{d2}
V_{d3}
Feedback Control
V_{sd}
e^-
V_{d4}
V_{d5}
I_{QPC}
V_{qpc}
$V_{sd,qpc}$
500 nm



shot noise
$2/6 \cdot 10^{-7}$ Vs
$5/6 \cdot 10^{-7}$ Vs
$1/6 \cdot 10^{-6}$ Vs
$2/6 \cdot 10^{-6}$ Vs
$5/6 \cdot 10^{-6}$ Vs
$1/6 \cdot 10^{-5}$ Vs
second cumulant C_2
1000
100
10
0.0
0.2
0.4
0.6
0.8
1.0
integration time t (s)