Dataset:9 T =0.030 K, $\log_{10}{(N)}$ =17.75, $\log_{10}{(\Gamma)}$ = 0.5714 1/s, ω = $2π \cdot 268 \cdot 10^6$ 1/s $\alpha = 0.4506$ 300 experiment Capacitance [fF] theory 200 100 0.2 0.4 -0.4 0.0 -0.6-0.20.6 0.25 Shiba minigap [meV] 0.20 0.15 0.2 -0.6 -0.4-0.2 0.0 0.4 0.6 $|\mathrm{G}\rangle$ Charge density 1.5 $|E\rangle$ 1.0 0.5 0.4 0.2 -0.6-0.4-0.20.0 0.6 200 $C_{G,q}$ $C_{\mathrm{E,q}}$ 150 $C_{\text{tunelling}}$ 100 C_{total} 50 0 0.6 -0.4-0.20.0 0.2 0.4 -0.6 0.0006 0.0004 0.0002 0.0000 0.4 0.6 0.2 0.0 -0.2-0.60.4 $1e{-12}$ Theo. 1/R $[G_0]$ 1.0 0.5 0.0 0.2 -0.4-0.20.4 0.6 -0.60.0 $Voltage \ [mV]$