x/xj = 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0

1E+21

1E+20

1E+19

1E+18

1E+17

Surface Concentration (cm^{-3})

p-type Gaussian
Nback = 10^{17} cm^{-3}

0.1 1 10 100 1000 10000

Average Conductivity, σ $(ohm\ cm)^{-1}$