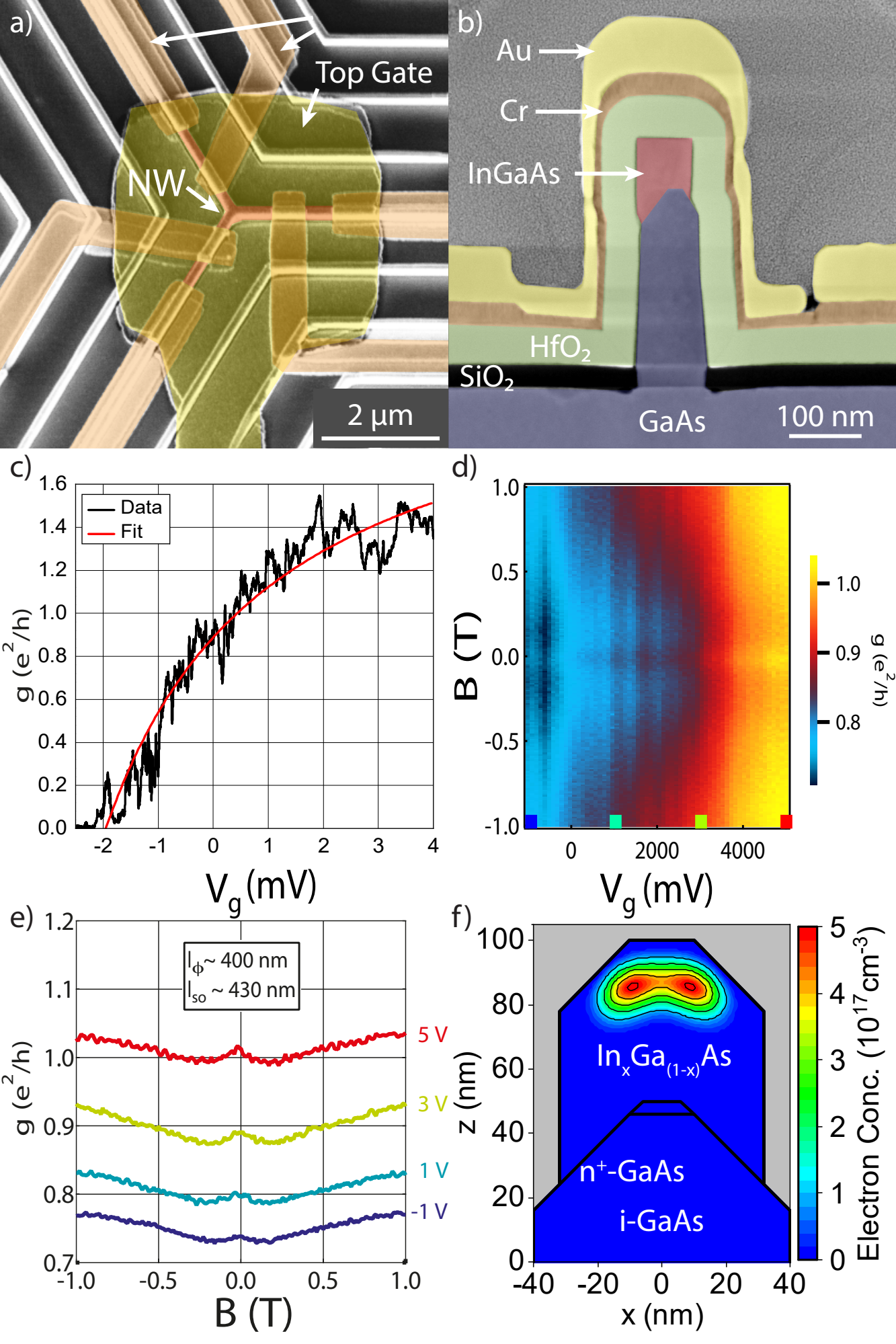
a)
Top Gate
NW
2 µm
b)
Au
Cr
InGaAs
HfO2
SiO2
GaAs
100 nm
c)
Data
Fit
g (e2/h)
Vg (mV)
d)
B (T)
Vg (mV)
g (e2/h)
e)
lφ~ 400 nm
lso ~ 430 nm
5 V
3 V
1 V
-1 V
g (e2/h)
B (T)
f)
InxGa(1-x)As
n+-GaAs
i-GaAs
z (nm)
x (nm)
Electron Conc. (1017cm-3)