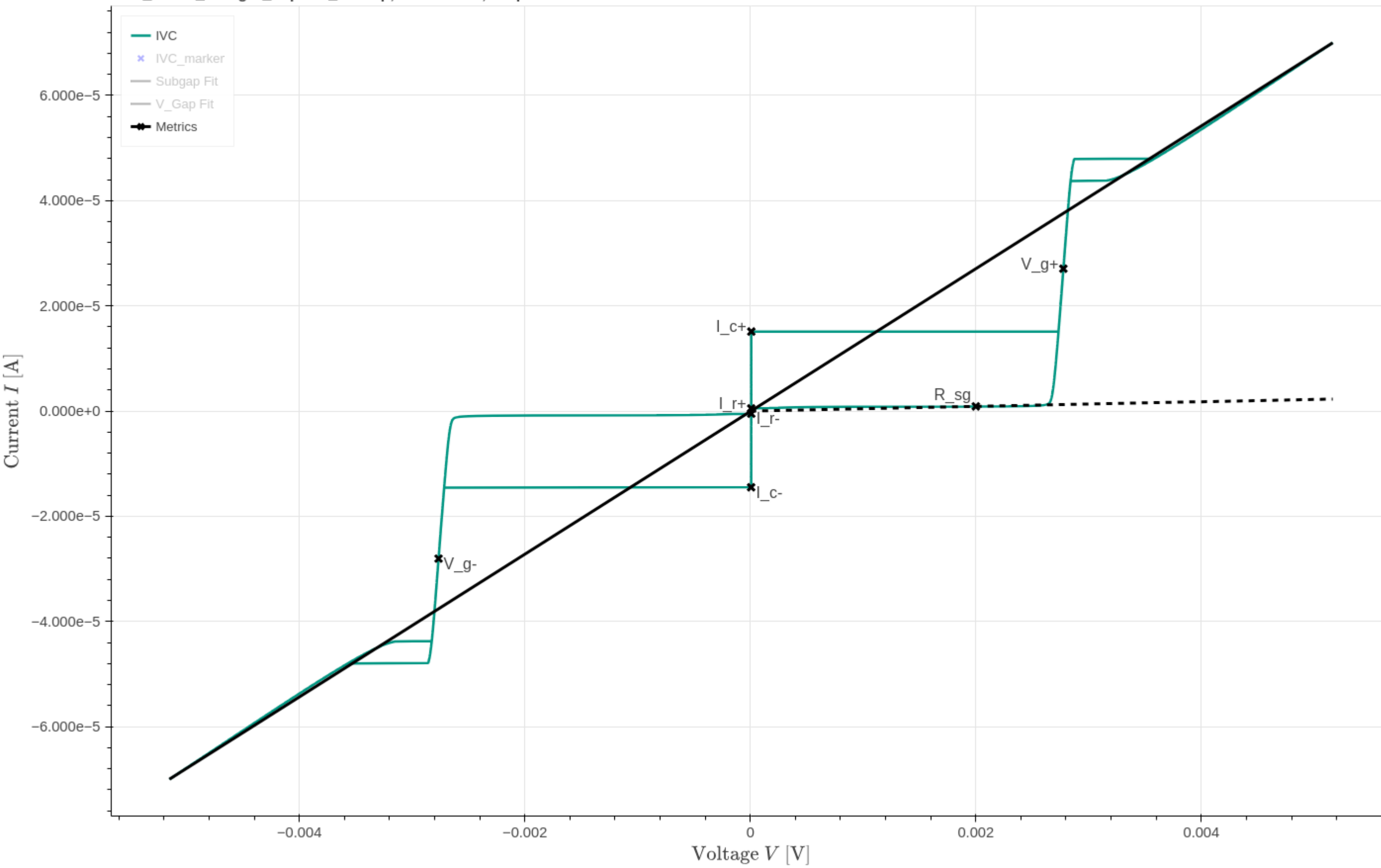


CH6_JJ9x9_straight_T4p27K_Isweep, Wafer: w13, Chip: AJ09



Calculated parameters:



$$A = 9 \cdot 9 = 81 \mu\text{m}^2$$



$$V_{g+} = 2.776 \text{mV} \quad V_{g-} = -2.765 \text{mV} \quad V_g = 2.771 \text{mV}$$



$$I_{c+} = 15.099 \mu\text{A} \quad I_{c-} = -14.500 \mu\text{A} \quad I_c = 14.800 \mu\text{A}$$



$$I_{r+} = 498.781 \text{nA} \quad I_{r-} = -498.752 \text{nA} \quad I_r = 498.767 \text{nA}$$



$$j_c = 18.271 \frac{\text{A}}{\text{cm}^2}$$



$$R_N = 73.695 \Omega$$

$$R_{sg} = 2.268 \text{k}\Omega$$

$$\frac{R_{sg}}{R_N} = 30.770$$

$$I_c \cdot R_N = 1.091 \text{mV}$$