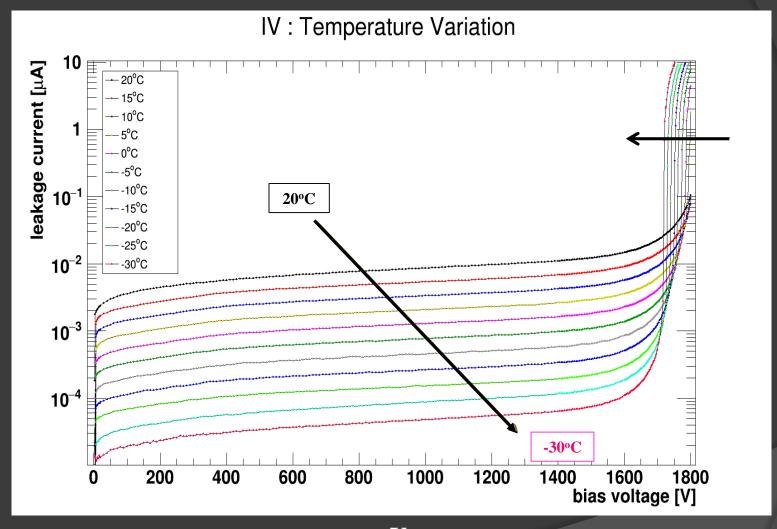


#### APD\_2B\_6: Non Irradiated

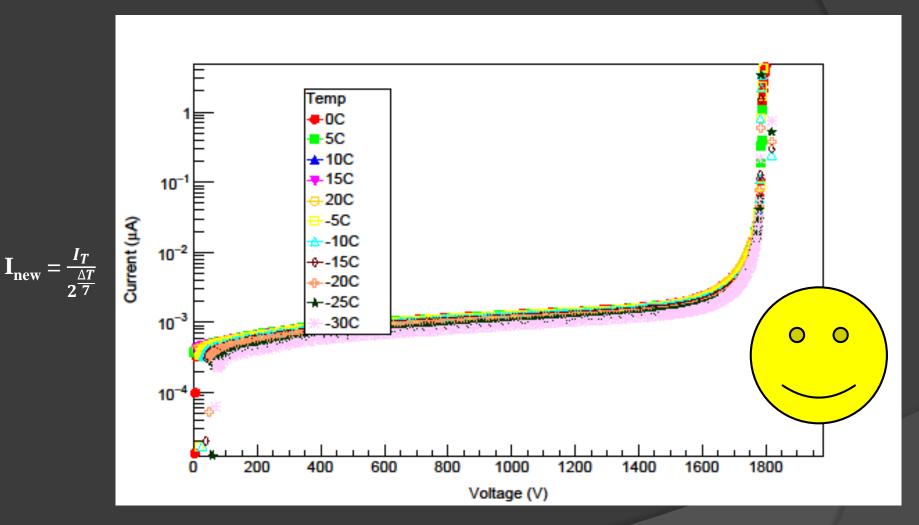




 $V_{T}$ 

### After Scaling – log scale



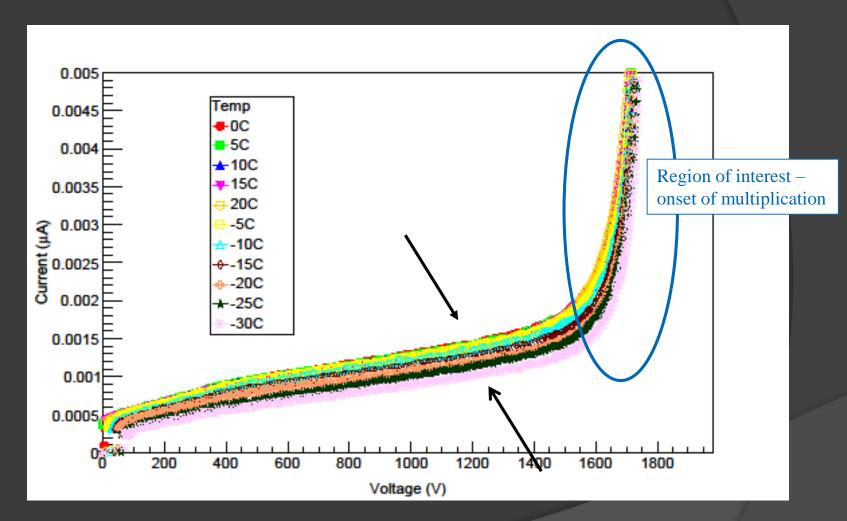


$$\mathbf{V}_{\mathrm{new}} = V_T - 2.2\Delta T$$

$$\begin{vmatrix} \Delta T = T - T_0 \\ T_0 = 0^{\circ} C \end{vmatrix}$$

#### After Scaling – linear scale





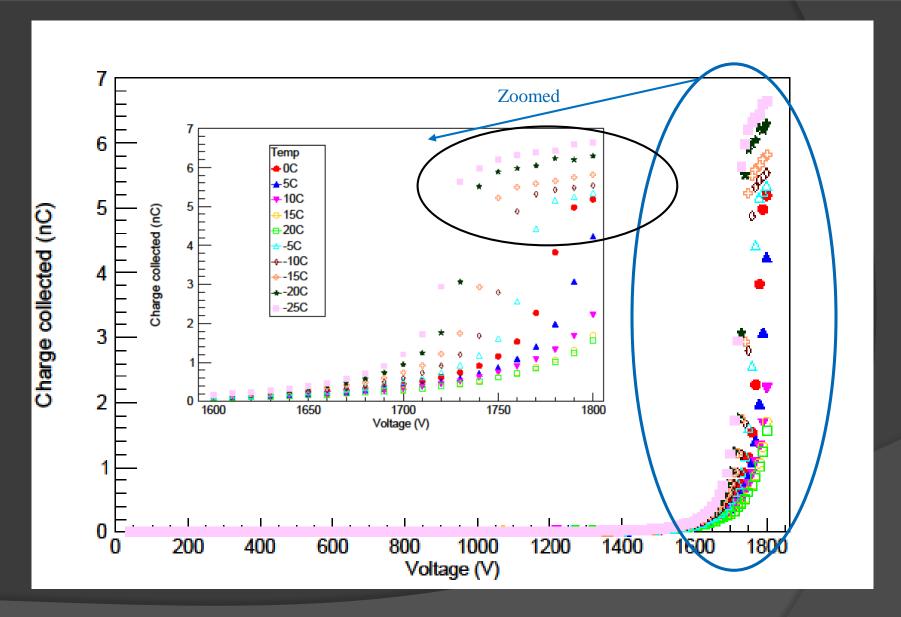
 $\frac{1}{2}$ 

 $\mathbf{V}_{\mathrm{new}} = V_T - 2.2\Delta T$ 

 $\begin{vmatrix} \Delta T = T - T_0 \\ T_0 = 0^{\circ} C \end{vmatrix}$ 

# **Charge Collection VS Voltage**





## Gain VS Voltage



