Impedance termination:
End of the strip 50 Ohm
Read-out side : 71 Ohm
TWO regions:
1) High Resistivity: 600 Kohm/
2) Low resistivity: 50 Kohm /

Goal:
Performance (Clustre size) vs Graphite resistivity
HV=7.0 KV

Cluster size:
Nbr pf strips V > 6 x sigma

Noise region : Sigma
Vamp = 2.5 V

$\epsilon_{\text{max}} = 98.2\%$

$\lambda = 0.011$

$HV_{\text{spec}} = 6474.9$ V

WP = 6891.2 V

eff(WP) = 97.2\%

Vamp = 2.25 V

$\epsilon_{\text{max}} = 99.6\%$

$\lambda = 0.010$

$HV_{\text{spec}} = 6576.6$ V

WP = 7036.3 V

eff(WP) = 98.3\%

Vamp = 2.0 V

$\epsilon_{\text{max}} = 98.5\%$

$\lambda = 0.009$

$HV_{\text{spec}} = 6698.1$ V

WP = 7174.4 V

eff(WP) = 97.2\%
Steps to be done before GIF++

• Efficiency plots with discriminators (TDC)
  High resistivity
• Efficiency plots with discriminator (TDC)
  Low resistivity

Analog Preamps : Digitizer
Low resistivity