

MAST Proton Detector: Cable Capacitance

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Goal: Investigate cable capacitance effects on signals.

Description

We have three main types of cables in the lab: RG58, RG59, & RG62

Find out the differences between the three types of cables:

a) Capacitance b) Impedance

Vary cable capacitance for:

a) detector --> preamp b) preamp --> amp c) amp --> digitizer

Record and graph data

Take notes on equipment/ settings associated with each file name

electronics
data collection/ analysis

Finished