

MAST Proton Detector: Cable Length

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Goal: Investigate cable length effects on signals.

Description
Make sure to use uniform impedance and capacitance for signal cables
High voltage power supply cable can have different impedance
Vary cable length (when possible) 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