PORTABLE DETECTOR SCHEMATIC

High Voltage Power Supply At 2000 V

Custom High Voltage Pick-Off

POT = -0.505 V

50 Ω terminations

50 Ω terminations

A input

out 1, via 4 ns, #162

out 1, via 4 ns, #161

50 Ω terminations

Start (top)

DEL out (top)

Start (bottom)

NIM out (bottom)

LeCroy 3157 qVT Interface

or Dijit 3034B

Digital Scope

(For other settings, see attached)

LeCroy 3001 qVT Analyser

(For Settings, See Attached)

PMT

48 ns cable delay (8 A + 40 A)

20.2 dB In-line Attenuator

(See attached specs)

Scintillator Paddle 1

T-Connector

P2

Scintillator Paddle 2

High Voltage Power Supply At 1900 V

LeCroy 6/2B Octal Discriminator

LRS-365AL 4-Fold Logic Unit

LeCroy 221 Gate Generator

NIM out (bottom)

BNC-BNC DTO 70

via ethernet

for remote viewing and control

NIM Out

Gate Input (neg. in)

Ortec 772 Counter

Direct connection

BNC-BNC DTO 98

Gate Generator

Start (top)

DEL out (top)

START (bottom)

NIM out (bottom)

LeCroy 222 Gate Generator

For other settings, see attached

BNC-BNC DTO 70

For other settings, see attached

BNC-BNC DTO 98

For other settings, see attached

Data Viewing/Capture

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