

Test beam at CNAO (19-20/01/2020)

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Available time: from 19/01/20 22:00 to 20/01/2020 04:30

Setup: MEG (upstream) + Herd (downstream)

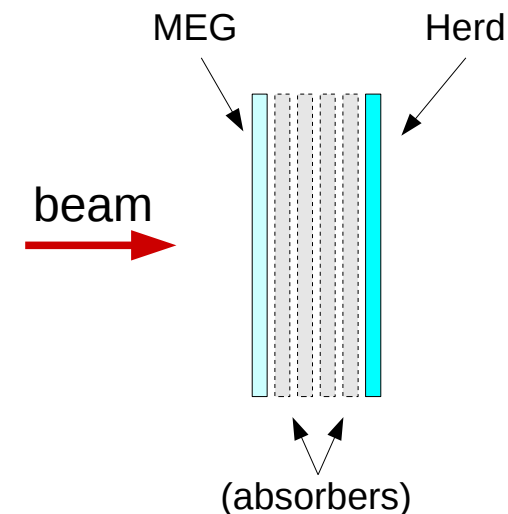
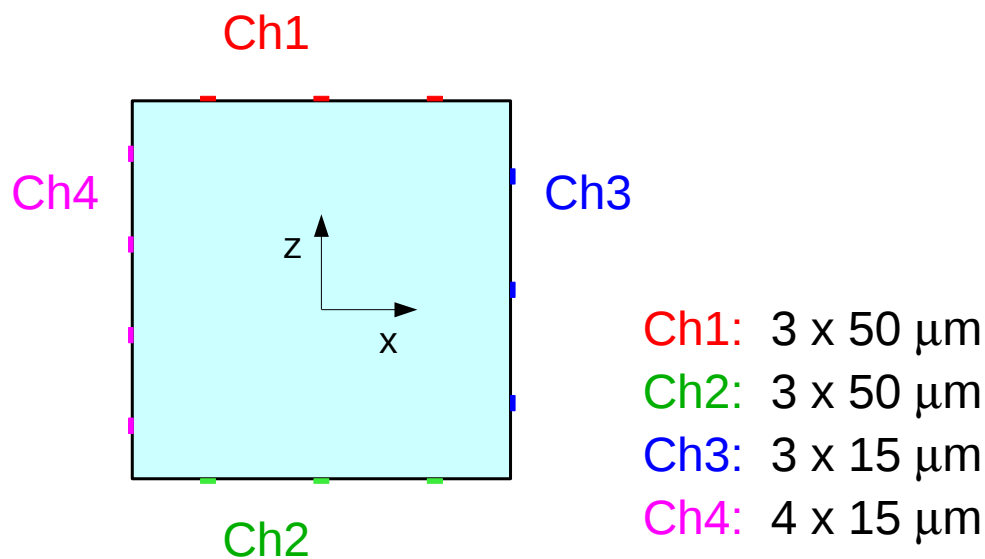
Absorbers: up to 4 0.5 cm thick plexiglass tiles (between)

Trigger: either external (MEG) or internal (Herd)

Detectors: 2x (3x 50 μm), 3x 15 μm , 4x 15 μm

Readout: 4 channels Tektronix MSO 64 Oscilloscope

Data set: 29 runs, for a total of about 130k events



Beam used:

p at 62, 70, 120, 226 MeV

C ions at 115, 260, 400 MeV/u

Position scanning:

$x = \{-40, -20, 0, 19, 20, 30, 40, 50\}$ mm; $z = 0$ mm

(**C** @ 115 MeV/u)

$x = 50$ mm; $z = \{10, 30, 50\}$ mm

$x = 0$ mm; $z = \{20, 30, 45\}$ mm

Absorbers:

$\{10, 15, 20\}$ mm with **C** @ 115 MeV/c

$\{10, 15\}$ mm with **p** @ 62 MeV

Analysis is still in (preliminary) progress...