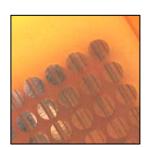






Transmission line design is ugly: too many connections, too many components!

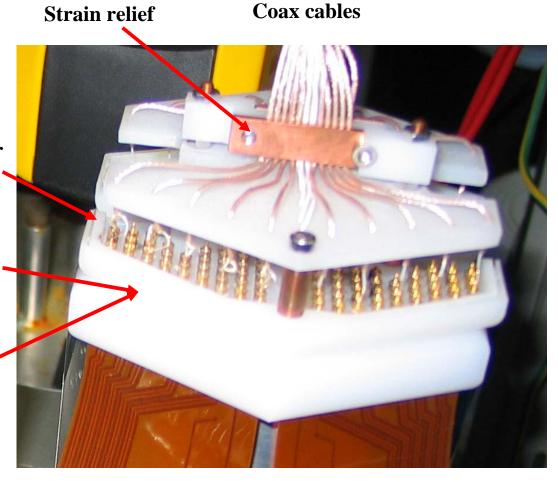


Cables laser welded to copper pins

Contact surface of Copper pins Ni Au plated



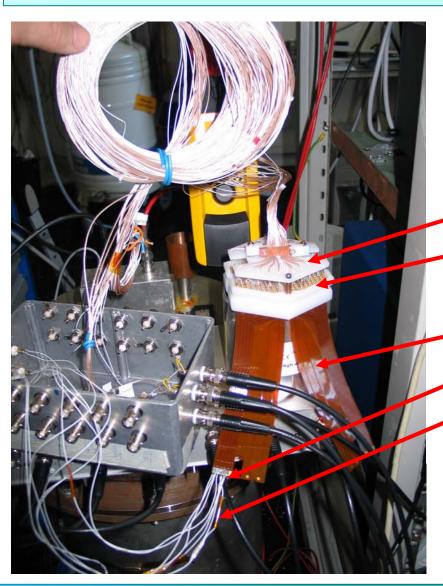
Pogo pin matrix



Kapton flat cable







But: It works....should be sufficient for commissioning phase.

Whoever has a realistic (!) better idea, let us know!

Coax cables

Copper Pin

Pogo Pins inside Plastic (screened)

Kapton flat cable

Cables laser welded to FPC

Cables towards FE

Copper on kapton not screened →
Trying to replace with PEN FPC

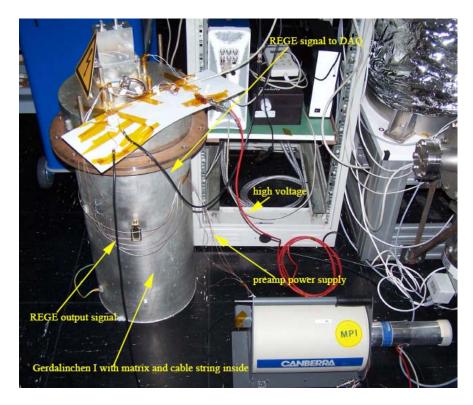


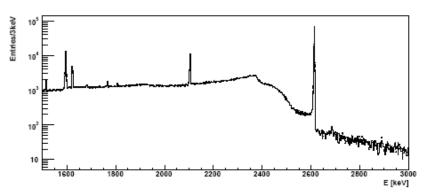


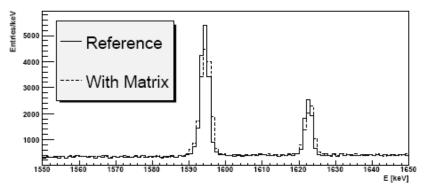
Signal, HV and preamp power supply have been fed throug hy the full cable chain!

GSTR-08-013, GSTR-08-019

FWHM [keV]; REGE 2			
peak [keV]	reference I	with matrix II	preamp III
1173.0 (Co)	2.140 ± 0.037	1.976 ± 0.030	2.208 ± 0.041
1332.0 (Co)	2.175 ± 0.035	2.135 ± 0.032	2.267 ± 0.045
1460.0 (bg)	2.220 ± 0.061	2.016 ± 0.016	-
2614.0 (bg)	2.630 ± 0.152	2.820 ± 0.038	-

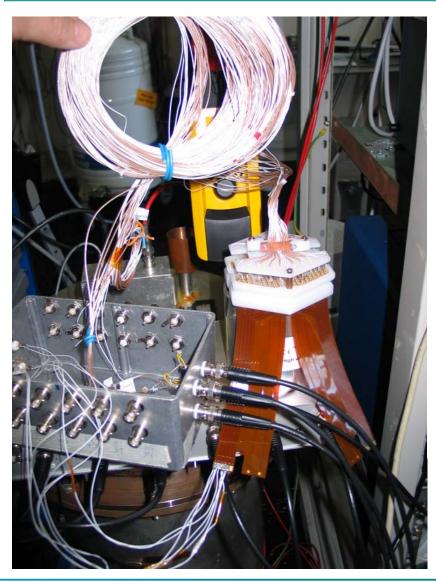
















The PZ0 – Matrix Interface

PZ0 position depending on radiopurity



HV filter on top

