

Current status of LAMPS TPC

Lee HyoSang

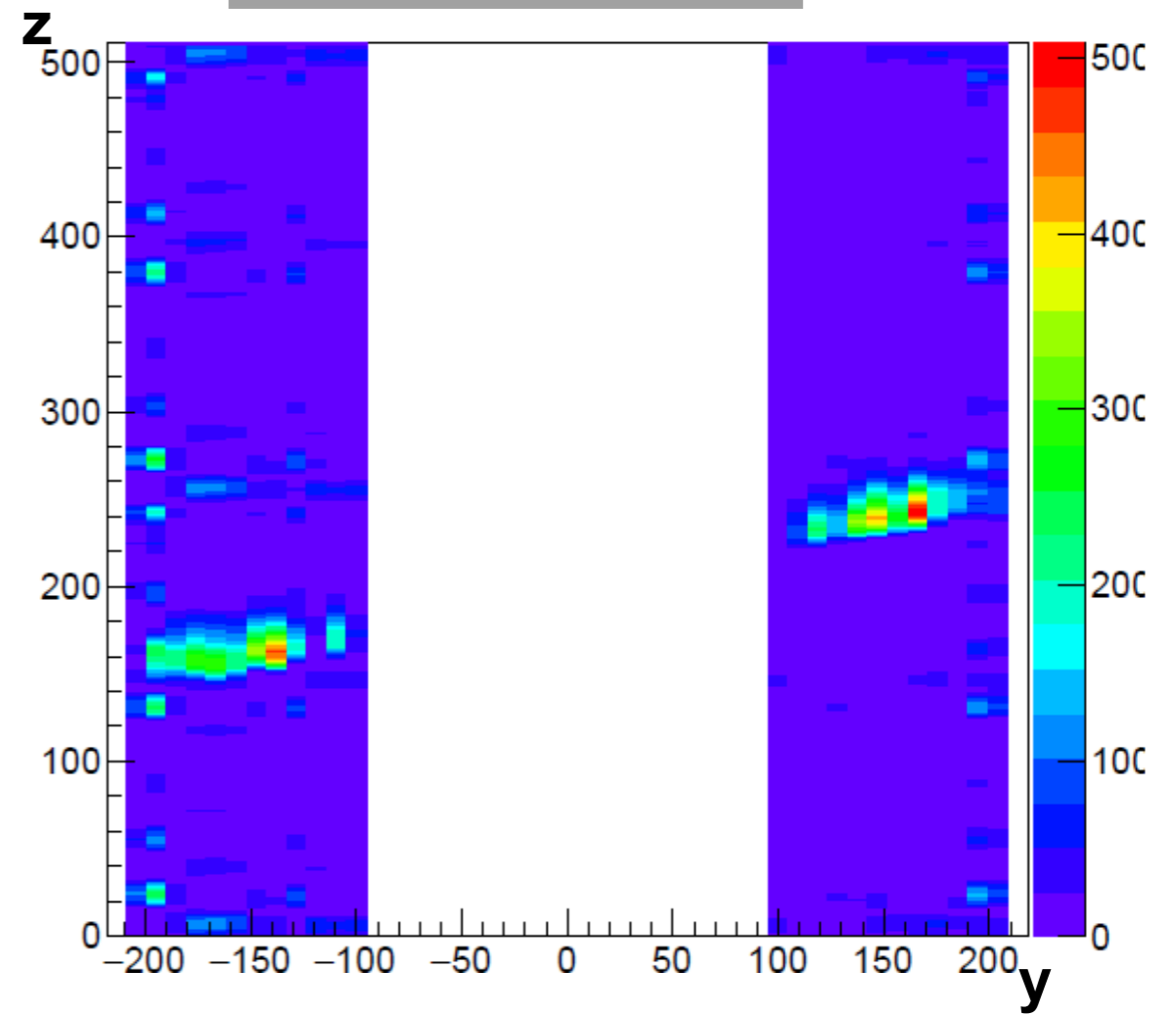
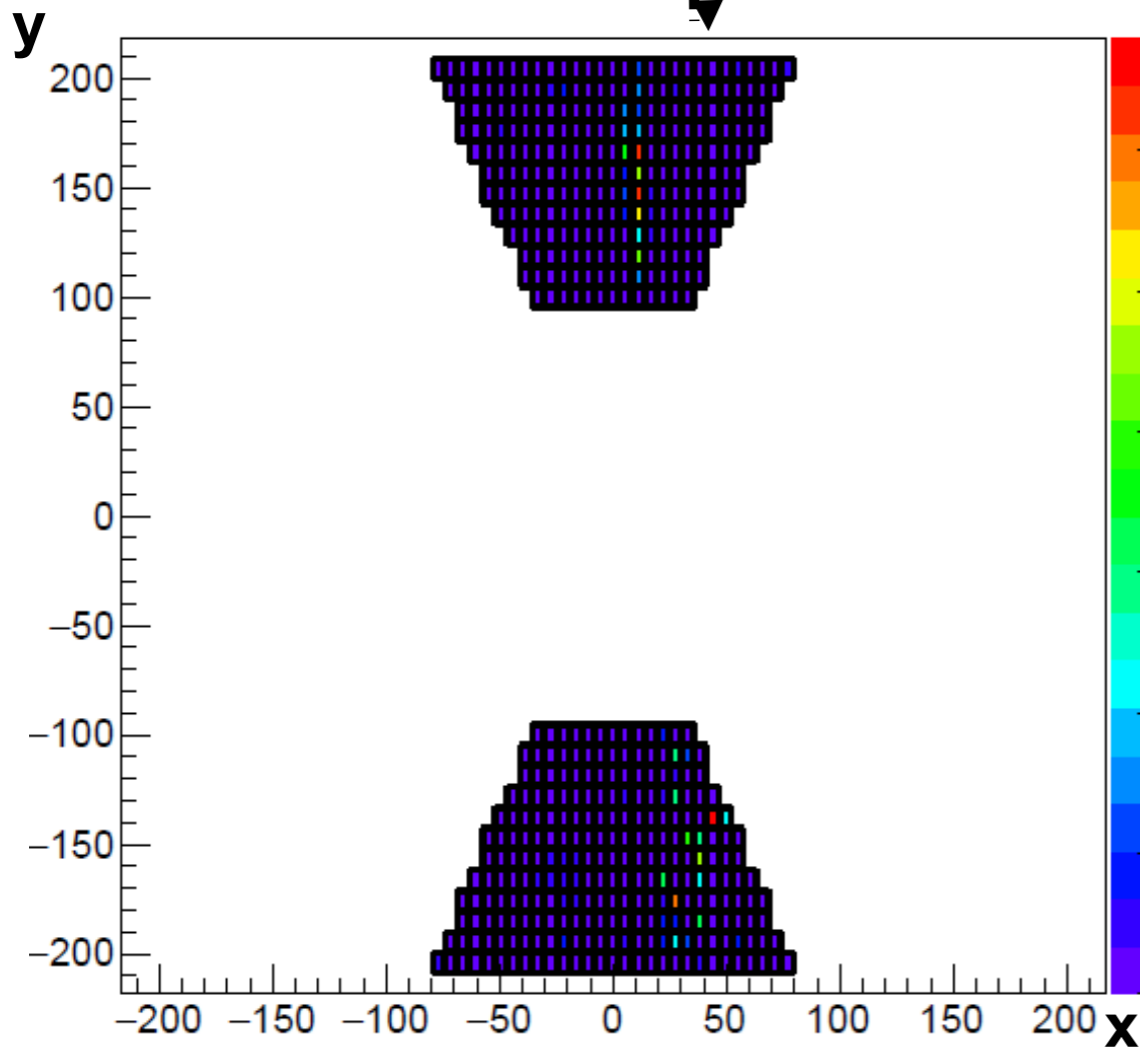
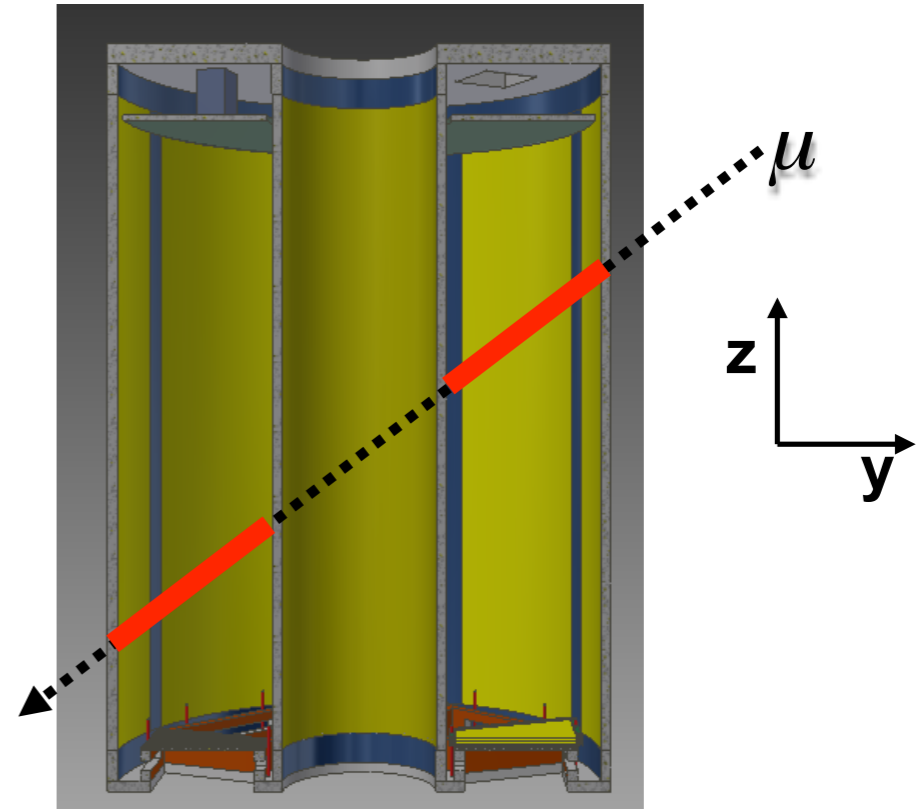
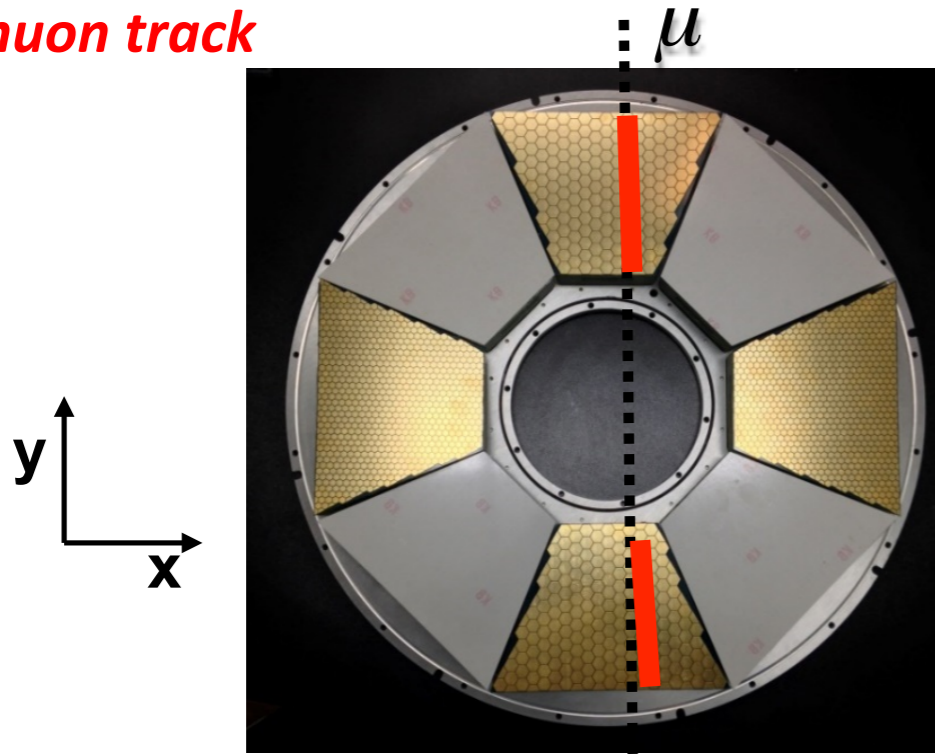
LAMPS meeting

2016.07.20

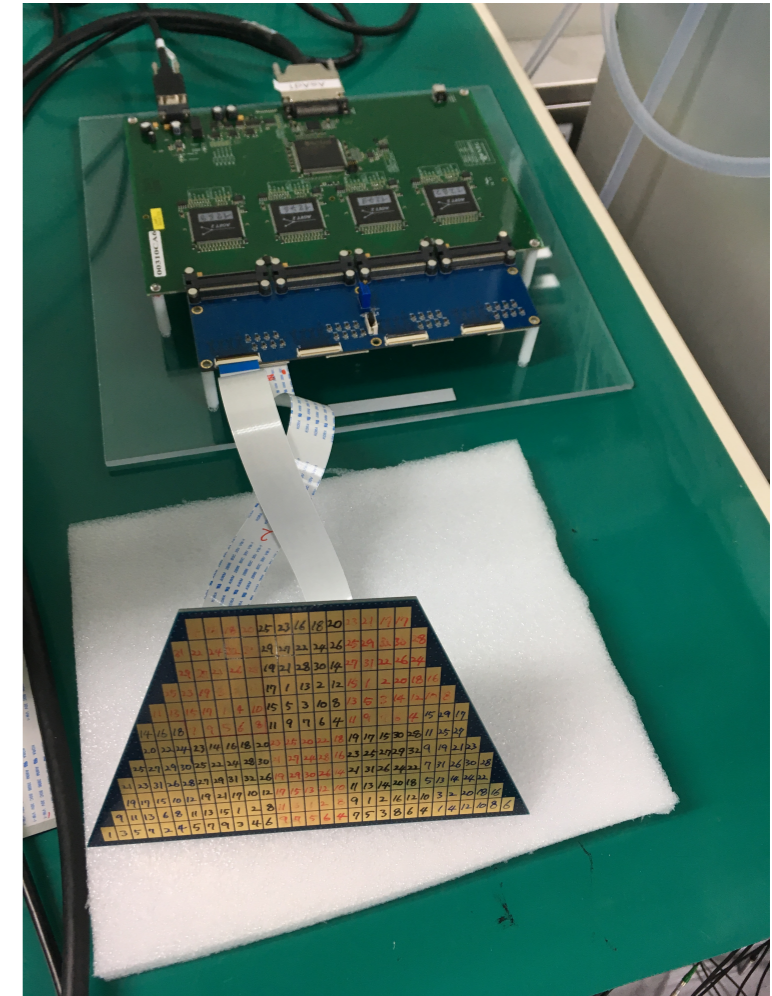
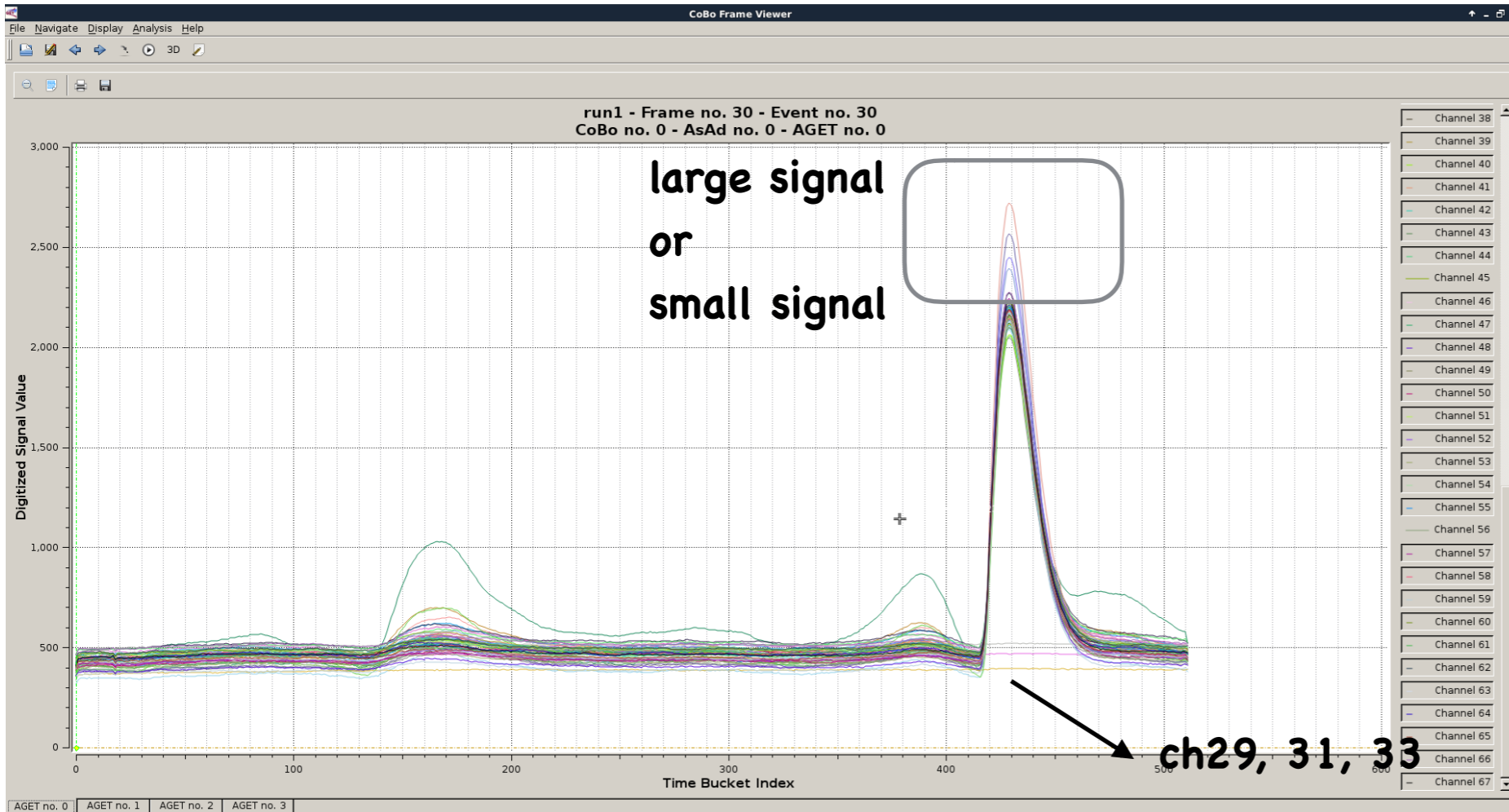
prototype TPC muon test system



muon track

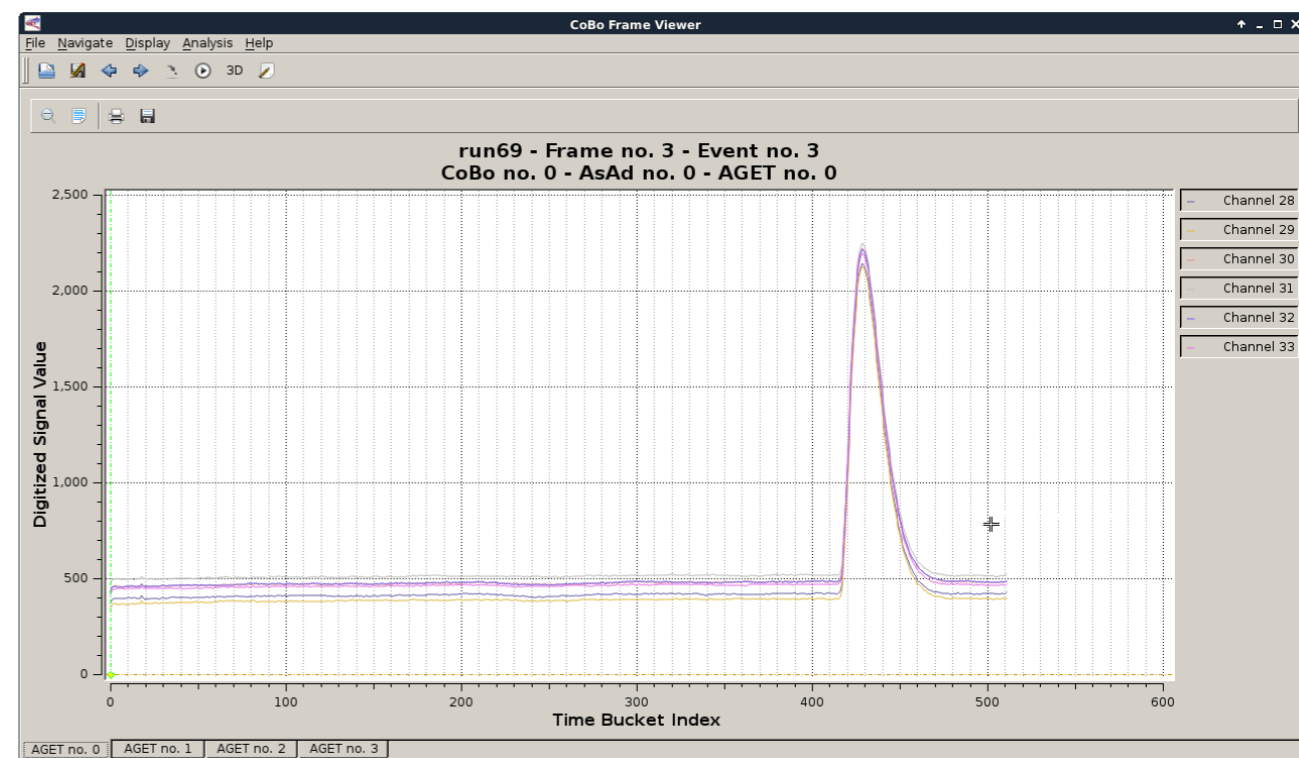


electronics problem



example with internal pulse
: ch29, 31, 33 have no signal.

AsAd + ZAP

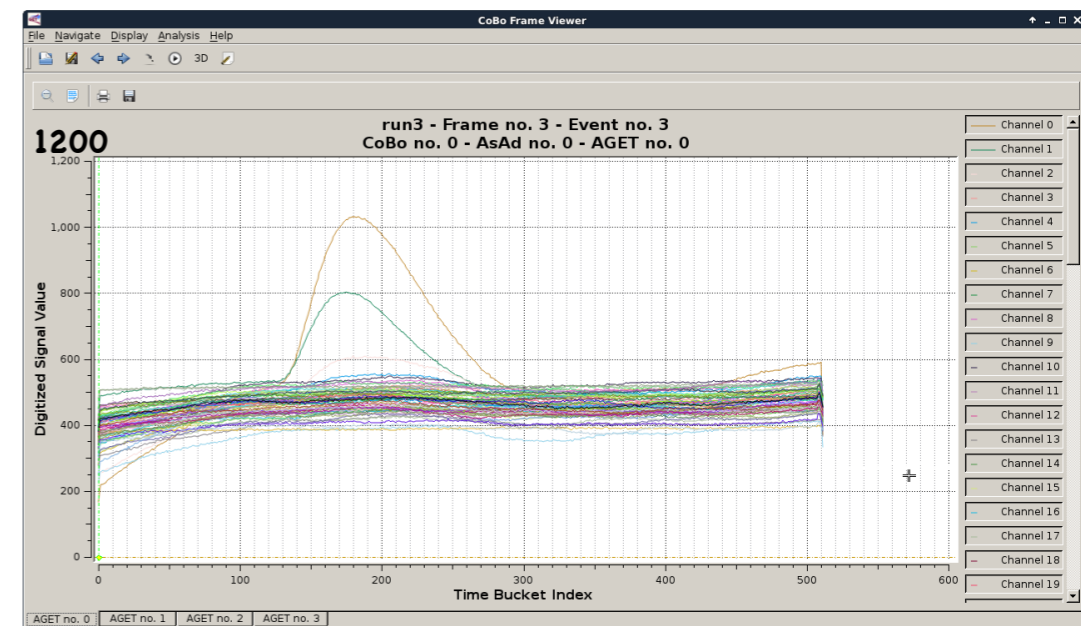
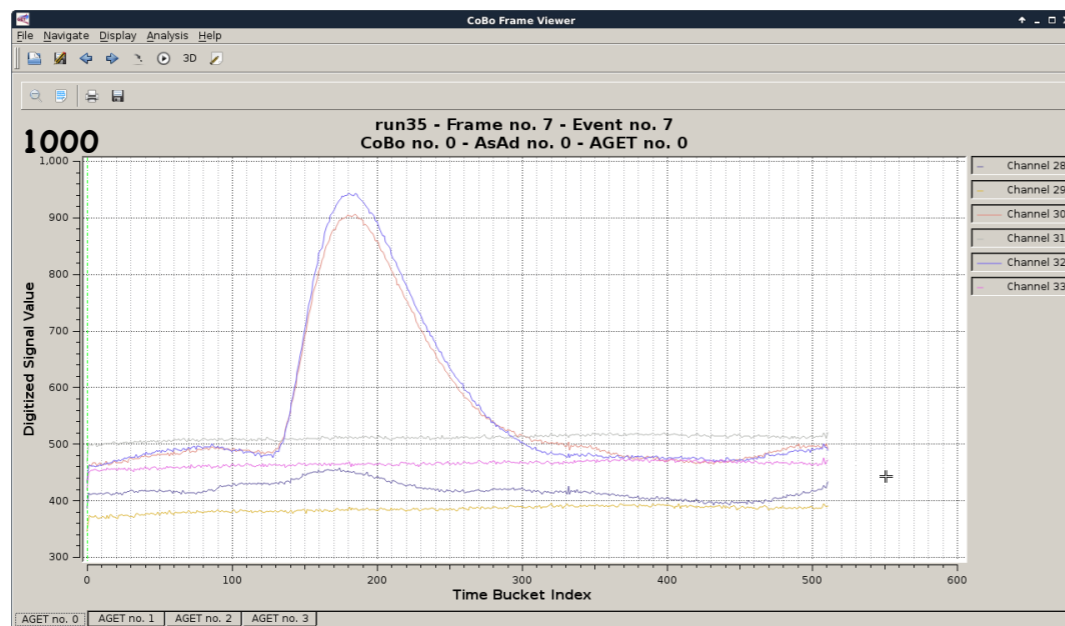


example

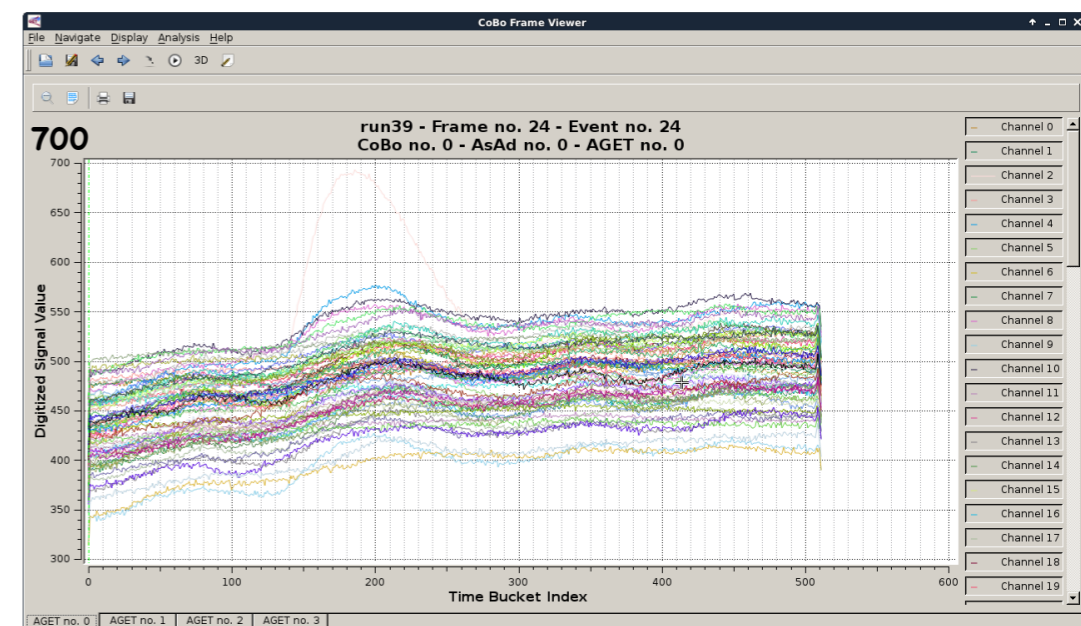
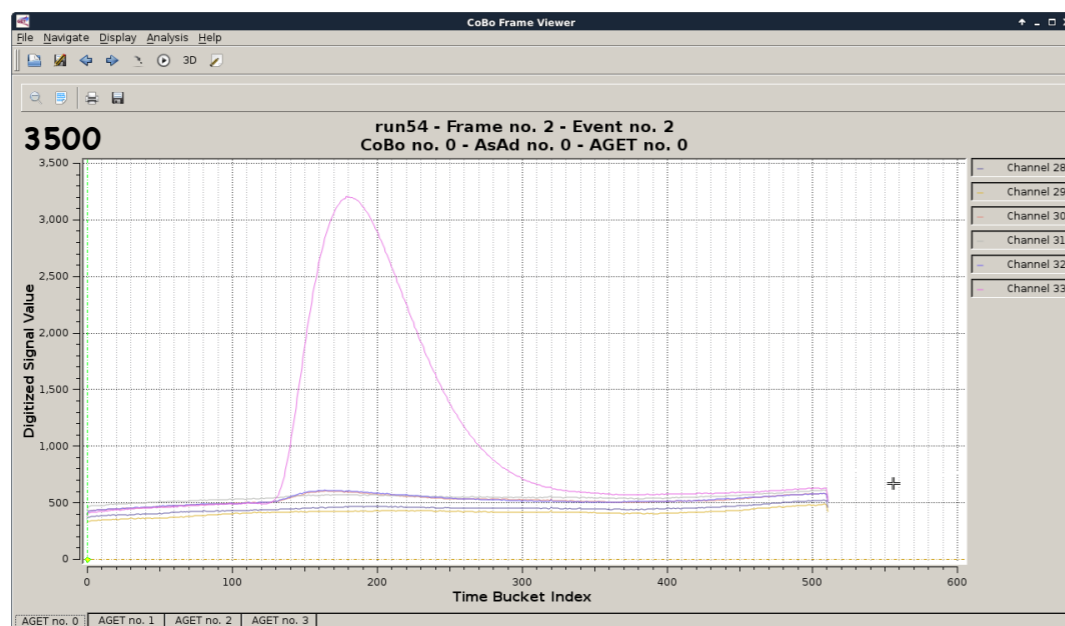
ch33

ch1

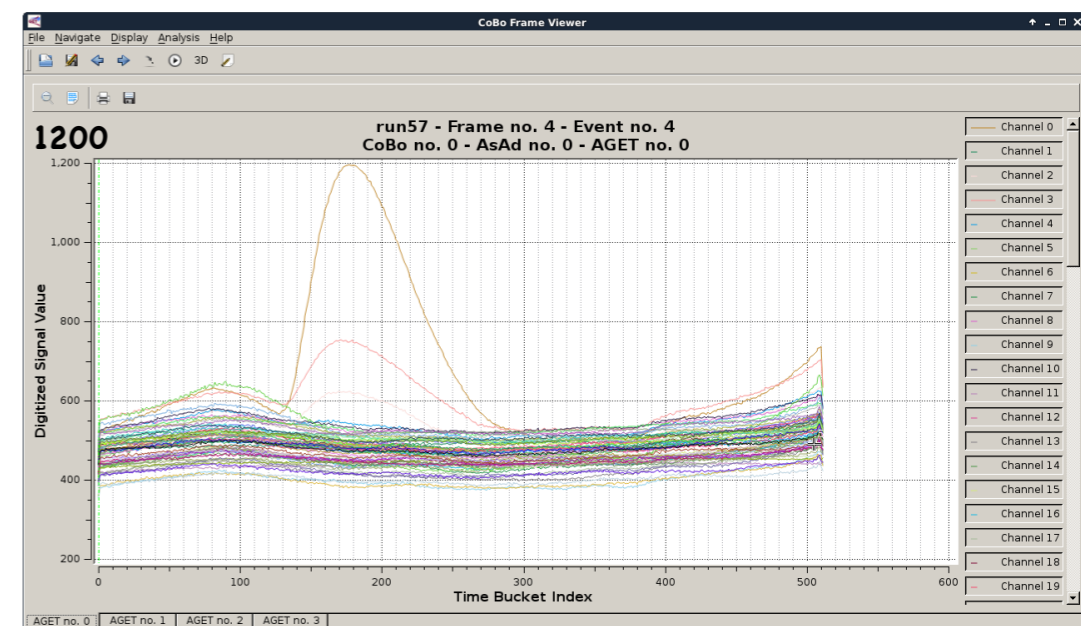
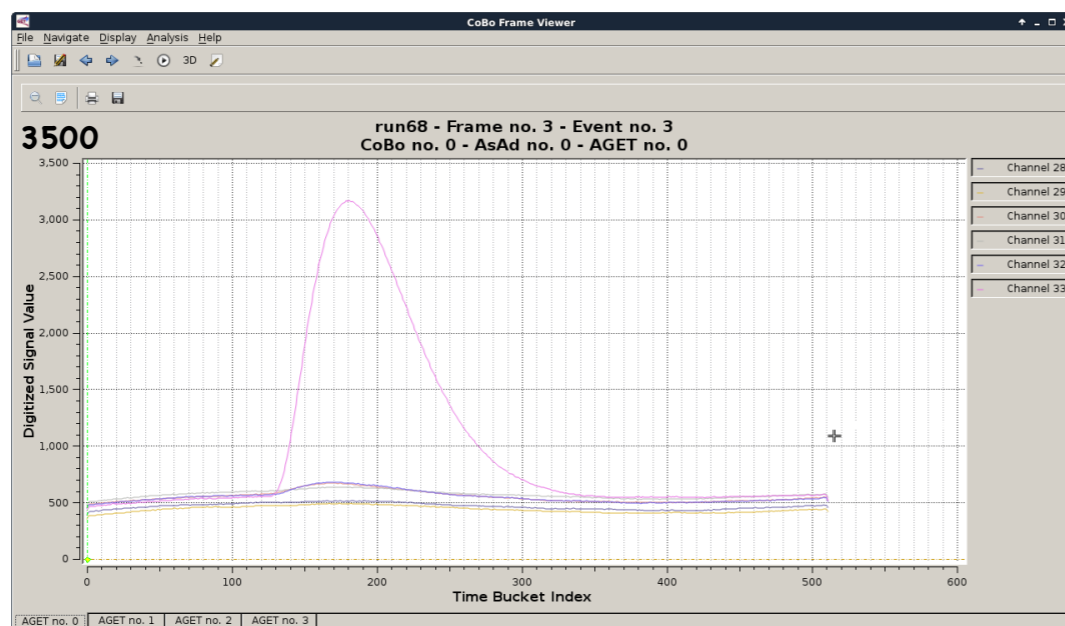
PAD



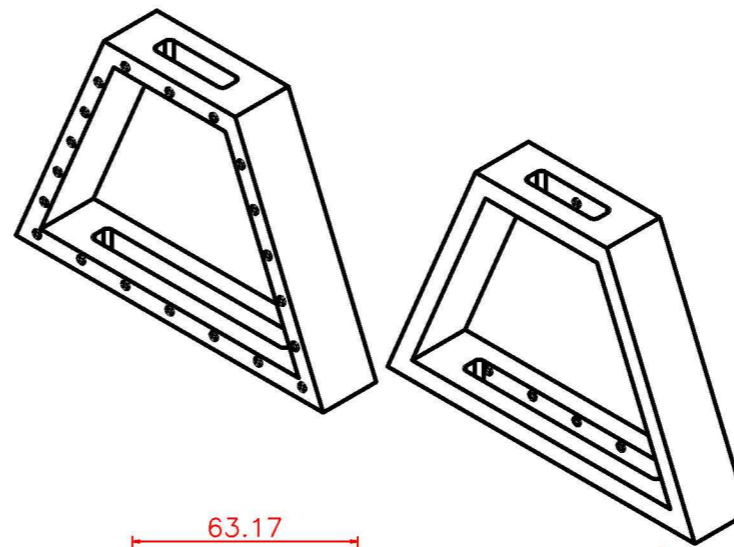
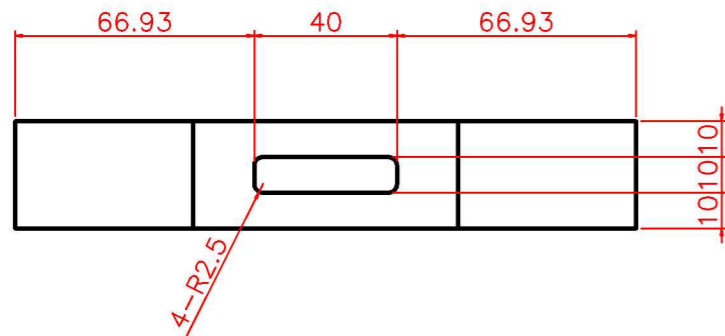
cable



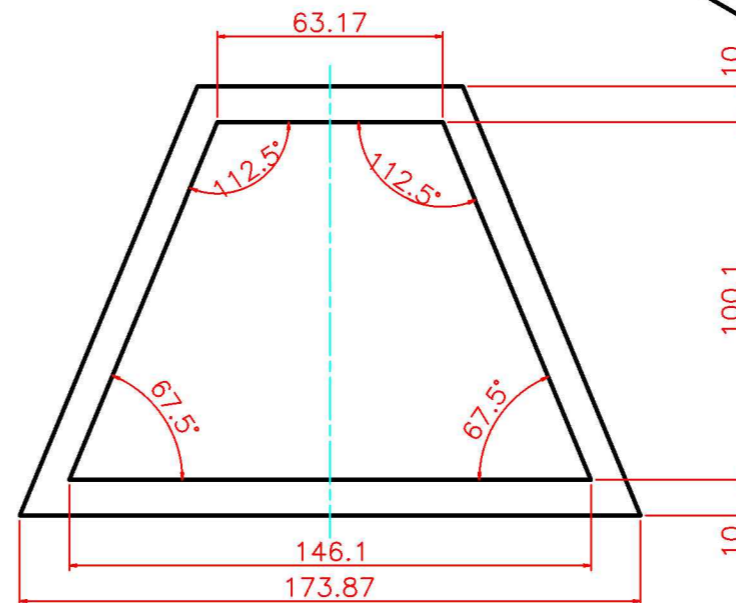
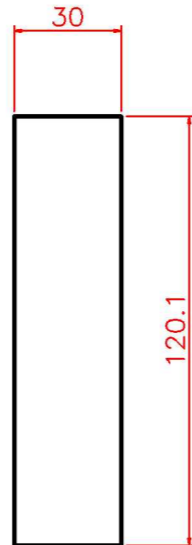
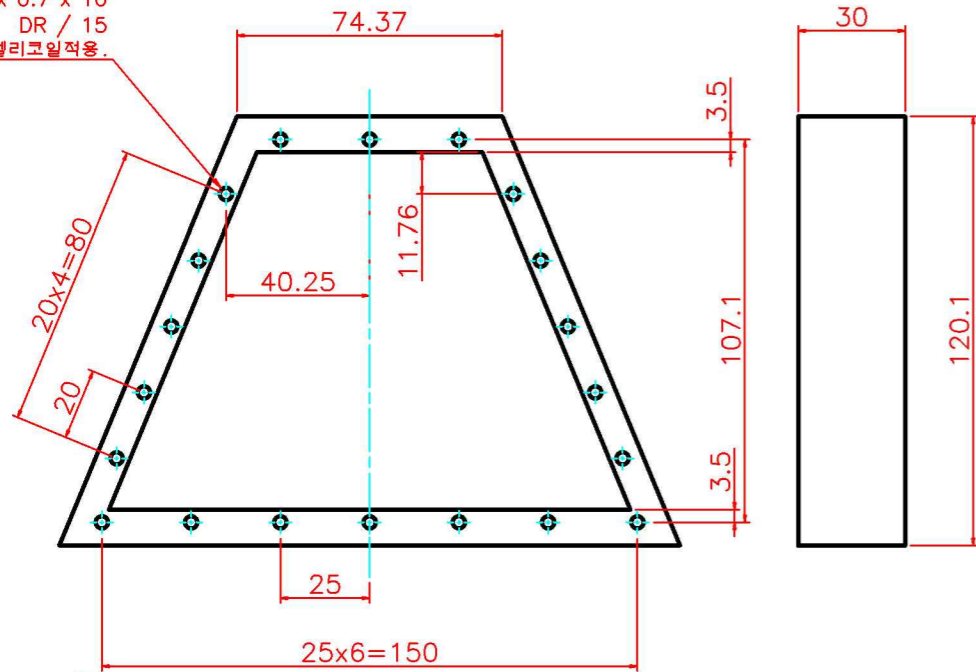
cable+connector



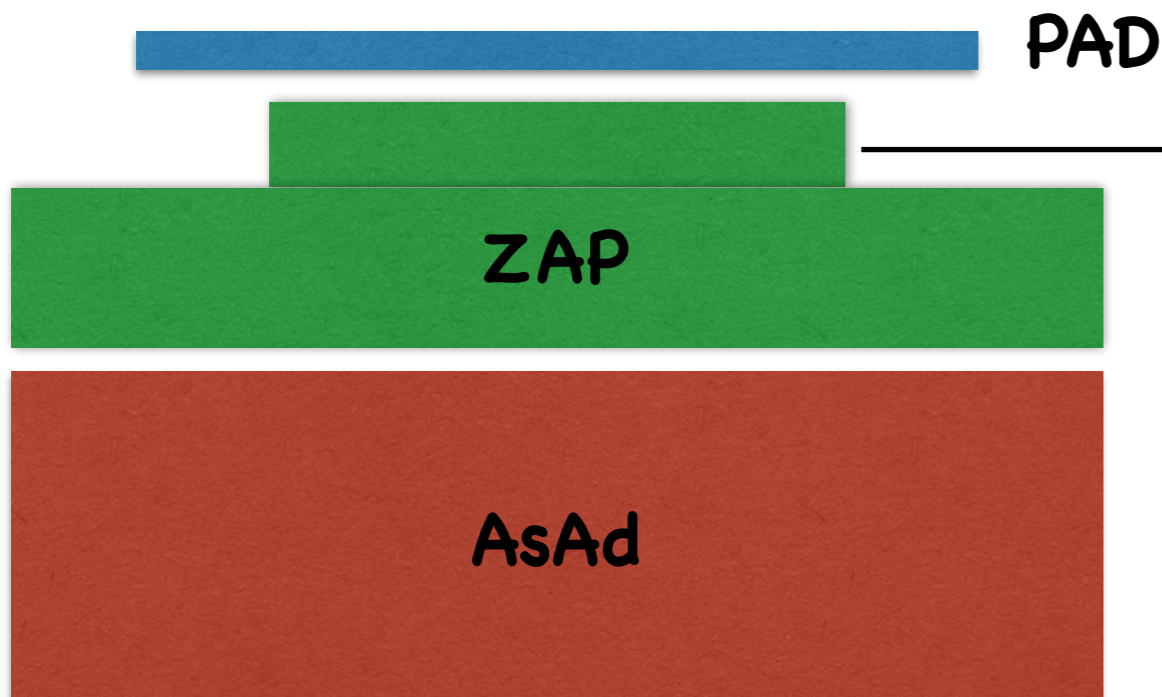
idea for new PAD & ZAP



20-M4 x 0.7 x 10
DR / 15
헬리코일적용



전체수량: 8ea



128ch x 2connector
connector : 0.8pitch or 1.0pitch?

Plan

prototype TPC

channel problem

new PAD & ZAP

muon test : tracking, drift velocity ...

muon test with magnet

triple GEM test

as gap size

field cage test

Mutant test