

# GEM Meeting

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# DAQ Update : ROL - TIR+V965+MPD

Can acquire data successfully except the first event.

Configuration: MPD: slot - 4 (ADC - 0, 1, I2c - 0,1), MPD: slot -5 (ADC -0,1,2,3; I2c- 8,9,10,11)

Tested with the following trigger signals:

V965	MPD	First Event	Rest of the Event
NIM-OUT	NIM-OUT	965-No, MPD-No	965-yes, MPD-yes
NIM-OUT-Bar	NIM-OUT	965-yes, MPD-No	965-yes, MPD-yes
NIM-OUT	NIM-OUT-BAR	965-No, MPD-No	965-yes, MPD-No
NIM-OUT-Bar	NIM-OUT-BAR	965-yes, MPD-No	965-yes, MPD-No

# DAQ update: ROL - V965+MPD

Just after turning on the DAQ system - problem in the first event.

Configuration: MPD: slot - 4 (ADC - 0, 1, I2c - 0,1), MPD: slot -5 (ADC -4,5,6,7; I2c- 8,9,10,11)

First run - first event - words 4519 (4531, 4523 - in another runs), next event -4779 words

Second run - first event - 4779 words; next event -4779 words!!

# 10x20 GEM

Leakage in the chamber - inlet - 20 cc/min; outlet - 6 cc/min : 14 cc/min leakage

We have applied voltage on this detector.

Operating voltage = -4 kV (Resistance = 5.1 MOhm)

# Main detector plan

Are we using V965 in the main experiment? If yes, we need TDCs..

(The Module class and detector class for V965 are written - for Analyzer)

Or we will go with the suggestion made by Bob - using TDC and FADCs.

We are planning to buy one VME crate and one four channel GEM power supply.

But that will happen beginning of next year.