VN-neutrino meeting

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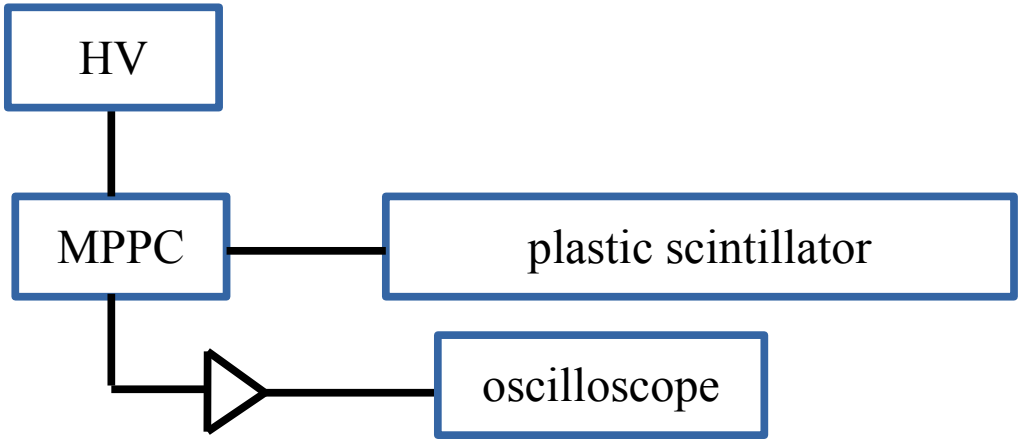
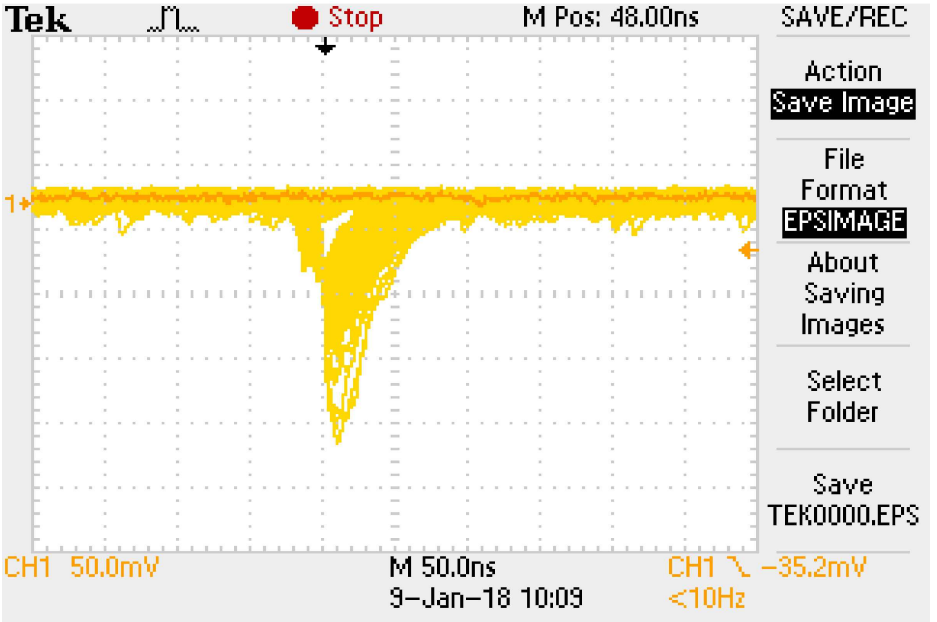
Feb 02nd 2018

Test MPPC at IFIRSE
Jan 8th – Jan 18th 2018



- Test MPPC first generation:
  HV 70V
  Amplify 1 times
  Observe cosmic ray muon

→ see the gap between dark photon signal and cosmic ray muon signal



Test MPPC at IFIRSE
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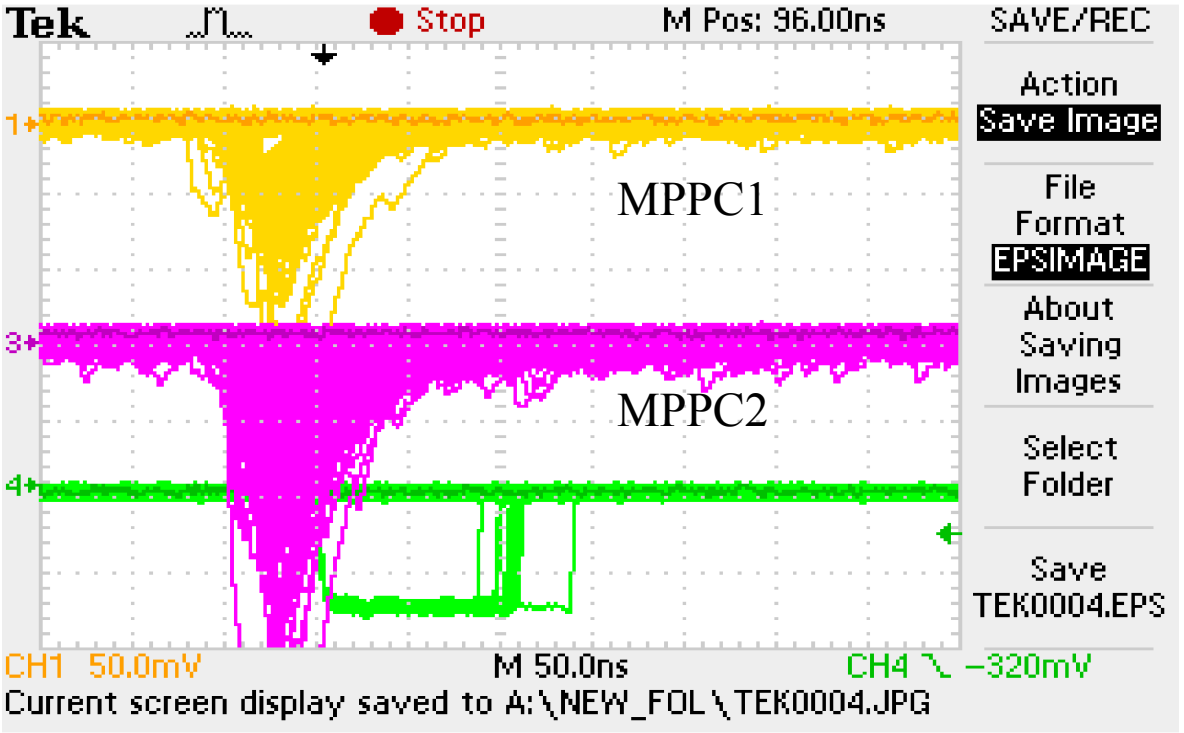
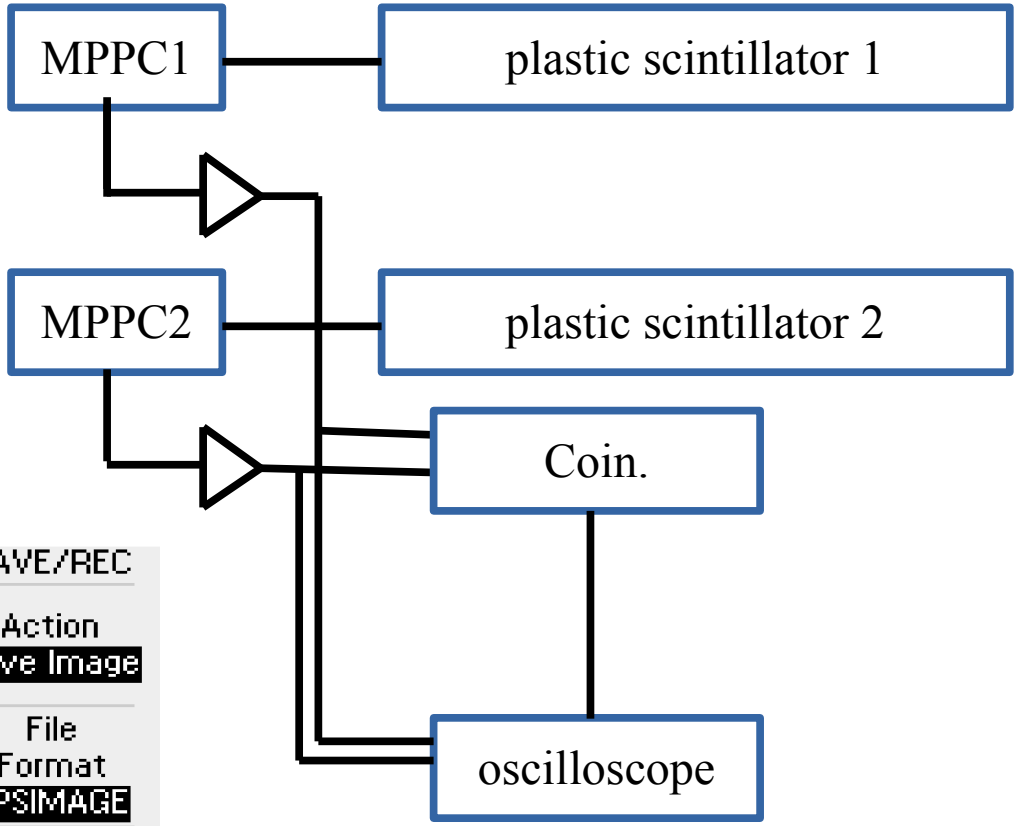
- Test 2 MPPCs first generation:
  HV 70V
  Amplify 1 times
  Observe cosmic ray muon

→ see the gap between dark photon signal and cosmic ray muon signal





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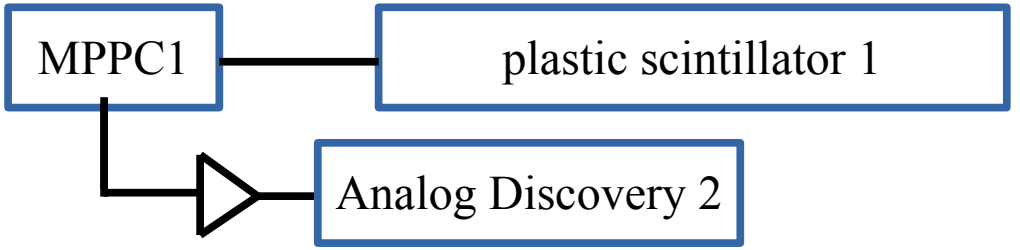
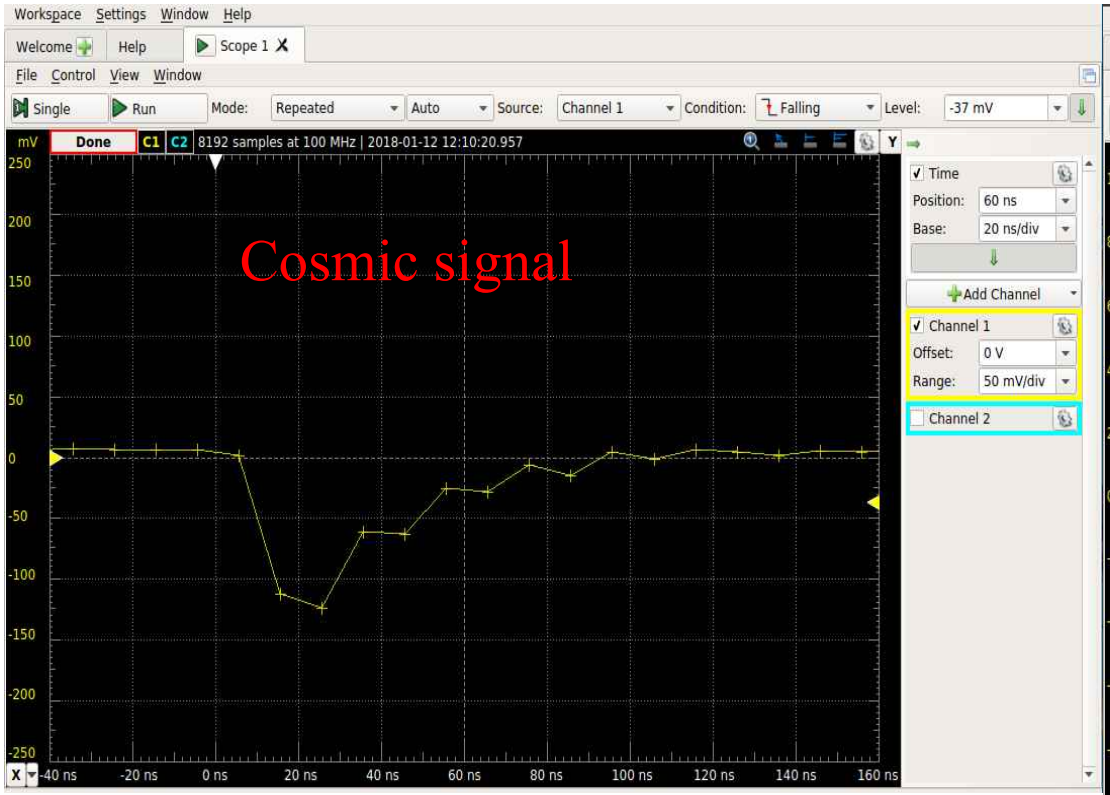
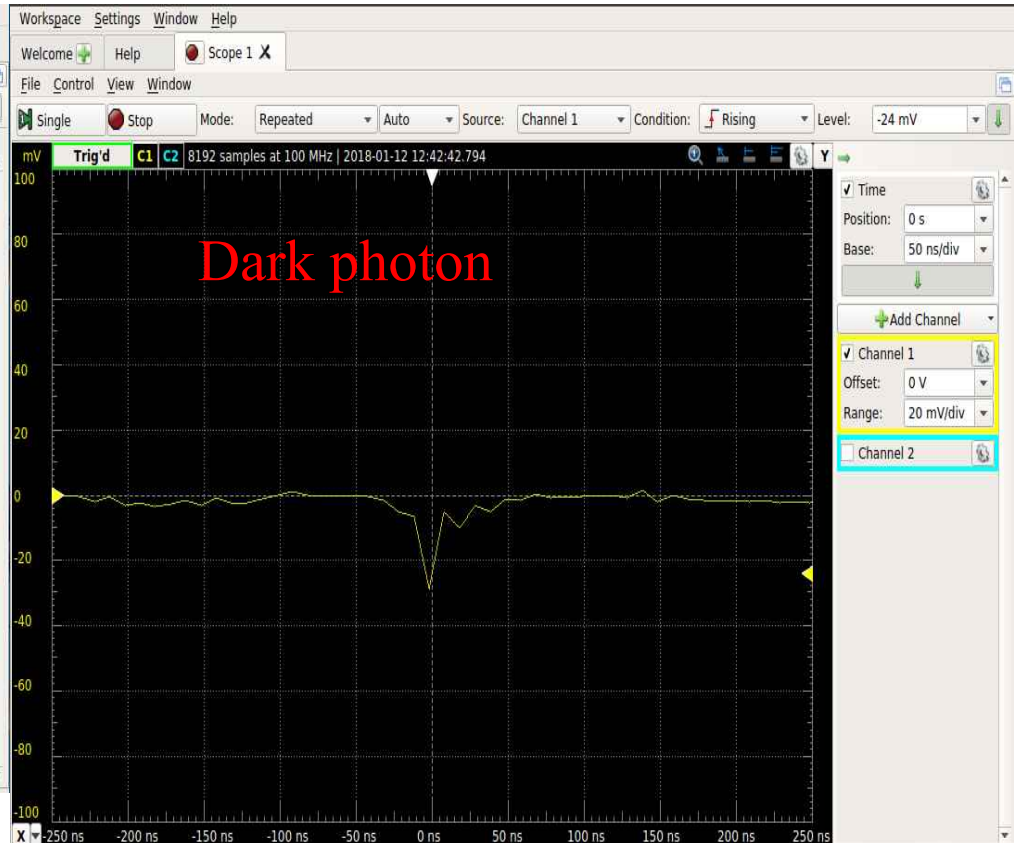


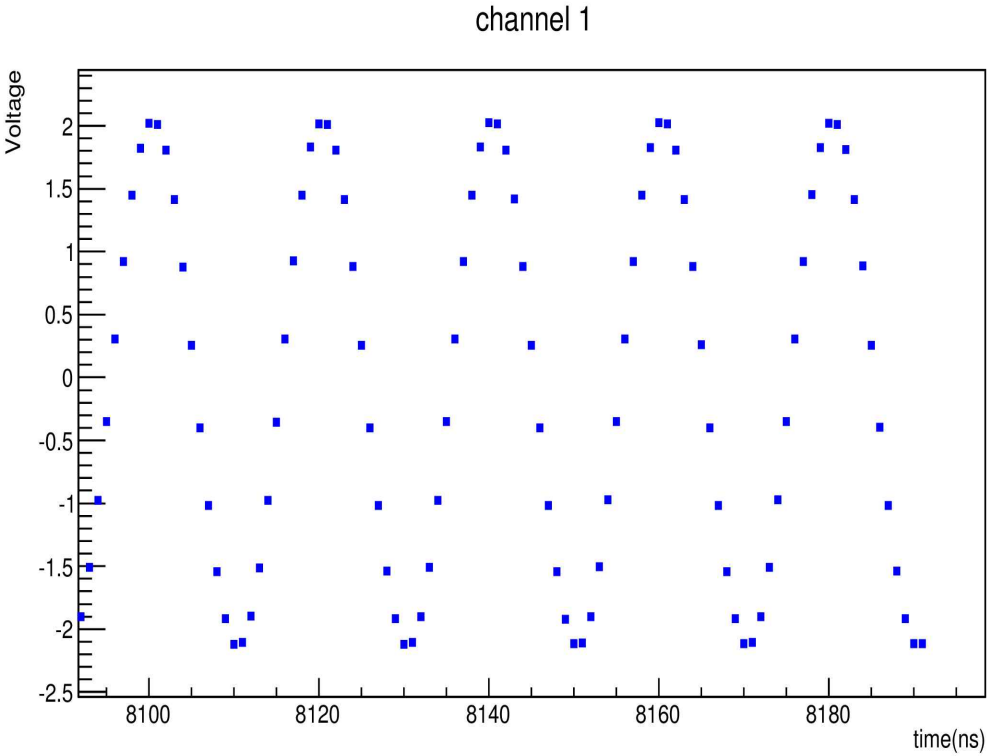
- Test MPPCs first generation and Analog Discovery 2
  HV 70V
  Amplify 1 times
  Observe cosmic ray muon ok
  Dark photon: not see clear 1pe, 2pe, ...





Test Analog Discovery 2 daq

f = 1 MHz
Waveform: Sine
Amp. : 2V
Offset: 0



Record 8192 sample points

Next

- write the DAQ for Analog Discovery, maybe we will use Midas or Labview

Thanks for your attention