



# **PWO(MPPC) bench test at KU**

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# Aim of the bench test



- Using PWO crystal and MPPC, study for their properties
- Take advantage of this and go SPring-8 / LEPS in April to MPPC test experiment well.



# Instruments



- MPPC(s13360-6050cs)
- Differentiator board
- LED
- Oscilloscope (Lecroy)
- HV module (keysight)



# MPPC LED test



- HV setting
  - Op Amp voltage : +5V, -5V
  - MPPC voltage : 56V
- Function generator setting
  - f : 100Hz
  - high voltage : 2.7V, 2.8V
  - low voltage : 0V
  - pulse width : 20ns

# MPPC LED test



# MPPC LED test





# MPPC LED test





# Future goal



- Data taking (using CAMAC or FADC)
- After LED test, I plan to experiment with MPPC and PWO crystal