Water Cerenkov Detector HANUL Meeting

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E40 Preparation

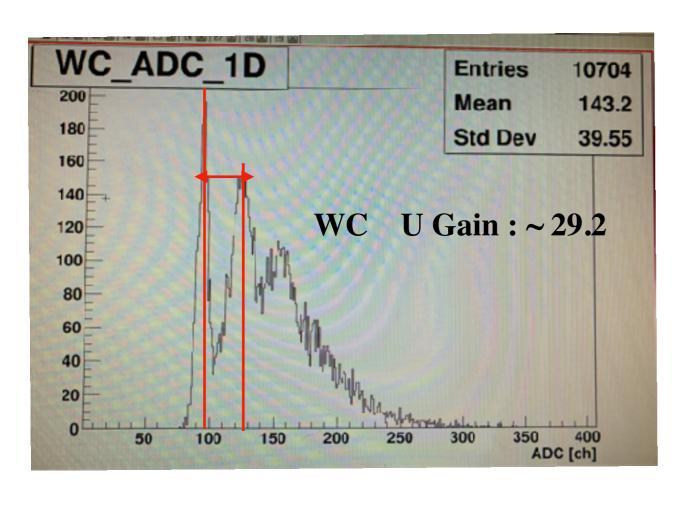
- HypTPC, WC and BH2 are installed in K1.8 Area
- Preparation of WC
 - Gain Measurement using LED
 - WC Cosmic ray test

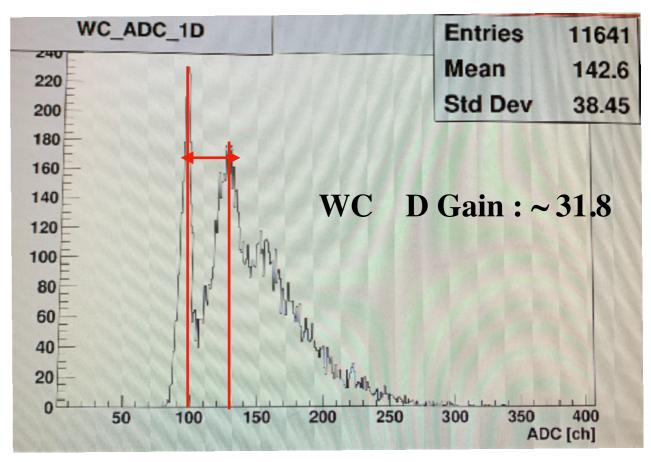




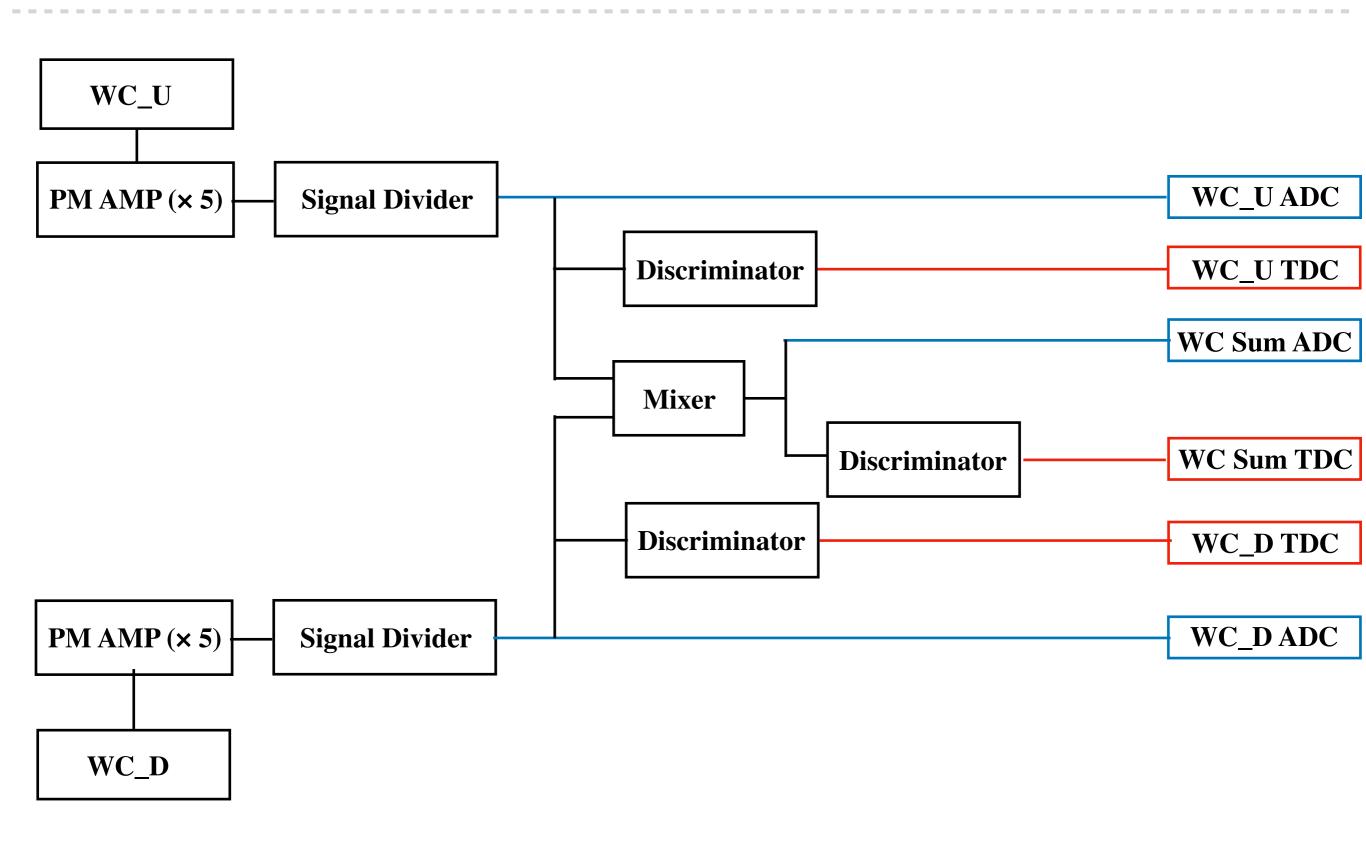
Gain Measurement

- LED: Driven by 1kHz 2.22V
- HV: Up (1941 V), Down (1947 V) ———— Same as ELPH
- 2nd p.e peak can be clearly observed



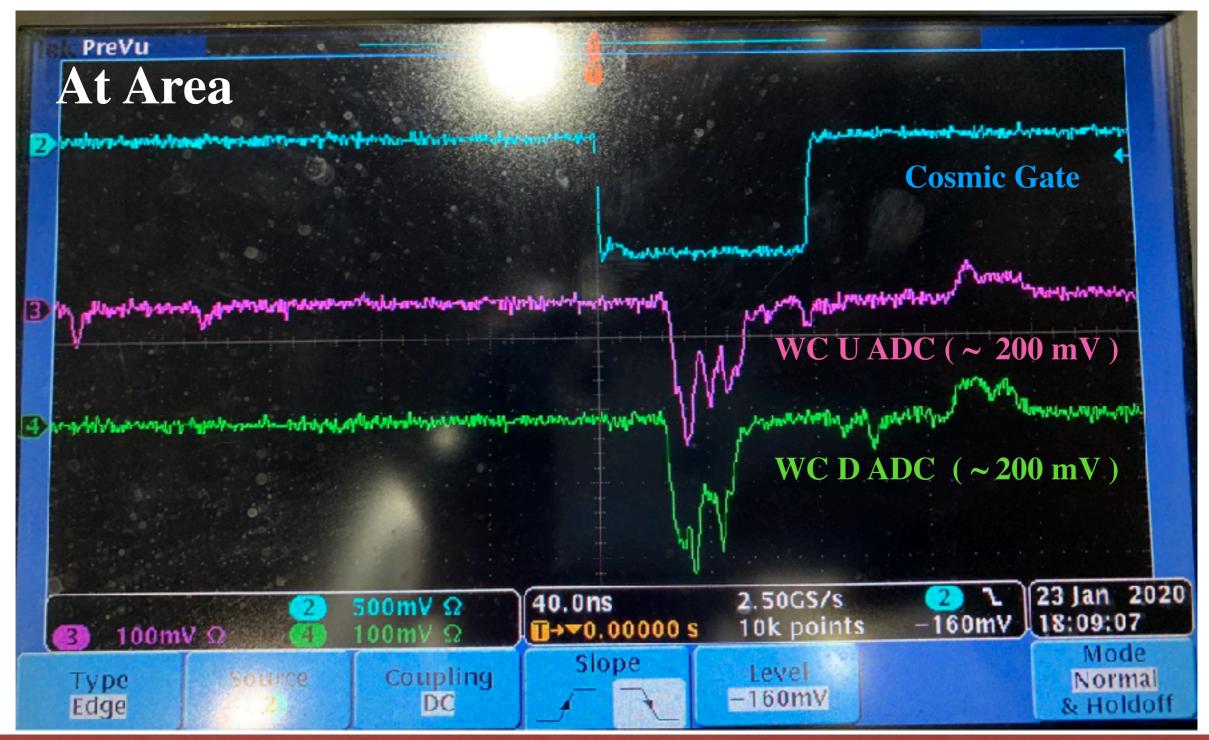


Electronics



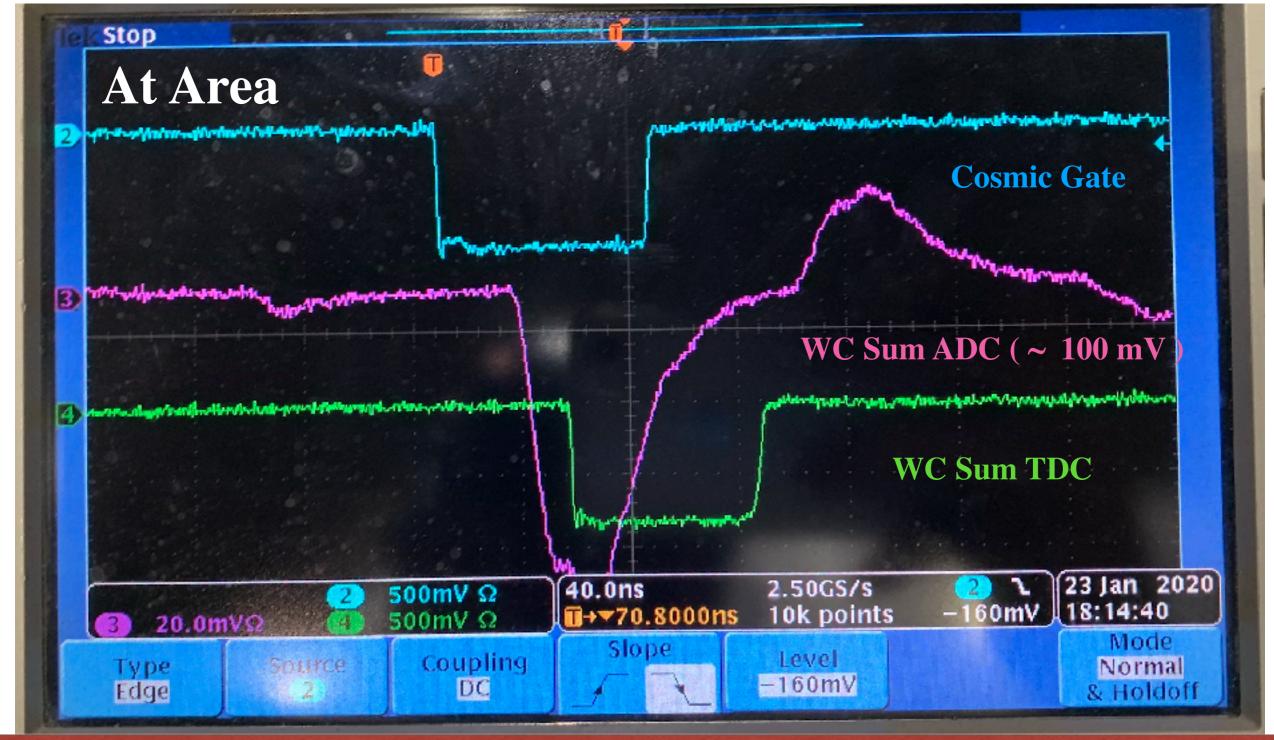
Cosmic ray test

• Triggered by one small plastic scintillator, placed on the center, signal of each WC channel is confirmed



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Summary

- WC is installed in beam height at K1.8 Area
- Gain of each channel is set as ~30 QDC ch
- Confirmed the signal of each channel triggered by cosmic ray
 - Attenuation btw Area and C.R is 50 %
- WC is prepared to take the data during beam time
- Some minor problems
 - Light leak on the upper side of WC and some reflected signal
 - PMT Gain Measurement when PM AMP was × 10