

Summary of Default Calibration Modes in Gleam

- **GR v6r2p8 (& all previous)**
 - Uses 'old system'
 - Gains are flight gains
 - Pedestals rather different from reality
 - After v4r4, LAC lowered to 1 MeV but noise filter not in effect => high noise occupancy
- **GR v6r3**
 - New 'ideal' flavor in effect
 - Defaults to muon gain (only option)
- **GR v6r5**
 - Still uses ideal flavor w/ muon gain.
- **GR v6r6**
 - Flight gain as the default ideal mode
- **Future?**
 - May allow real flight calibrations in ideal mode

Current Ideal Mode Values

NEW_IDEAL_FLIGHT (GR > v6r5)

RANGE MeV/ADC MAX_ADC SATURATION(MEV)

LEX8	0.03	3400	109
LEX1	0.27	3400	941
HEX8	1.73	3400	5913
HEX1	15.38	3400	52,000

NEW_IDEAL_MUON2 (v6r4 <= GR <= v6r5)

RANGE MeV/ADC MAX_ADC SATURATION(MEV)

LEX8	0.03	3400	109
LEX1	0.27	3400	941
HEX8	0.17	3400	591
HEX1	1.53	3400	5,200

NEW_IDEAL_MUON1 (GR = v6r3)

RANGE MeV/ADC MAX_ADC SATURATION(MEV)

LEX8	0.03	3500	112
LEX1	0.27	3500	968
HEX8	0.17	3500	608
HEX1	1.53	3500	5,352