

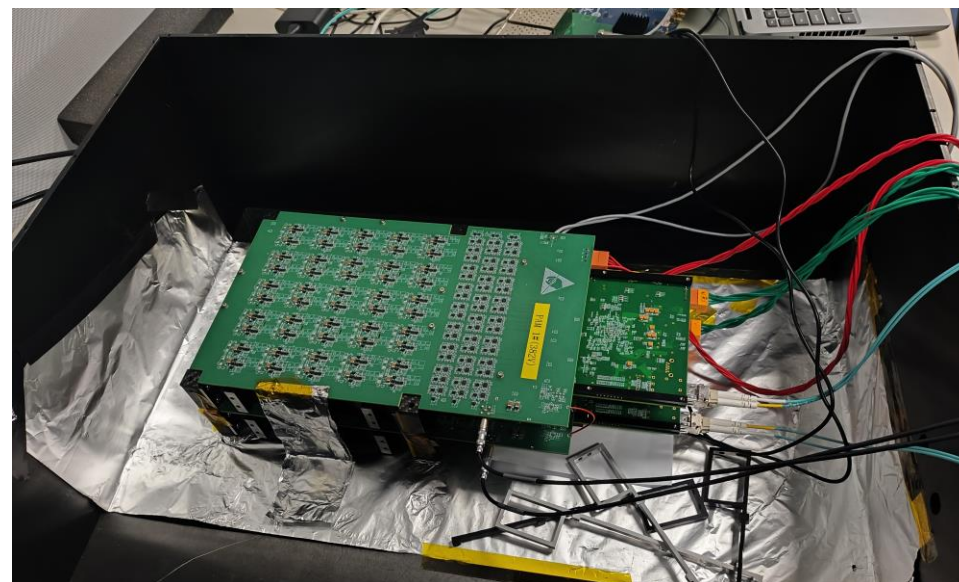
# HEIC-Cube CR test

张研硕

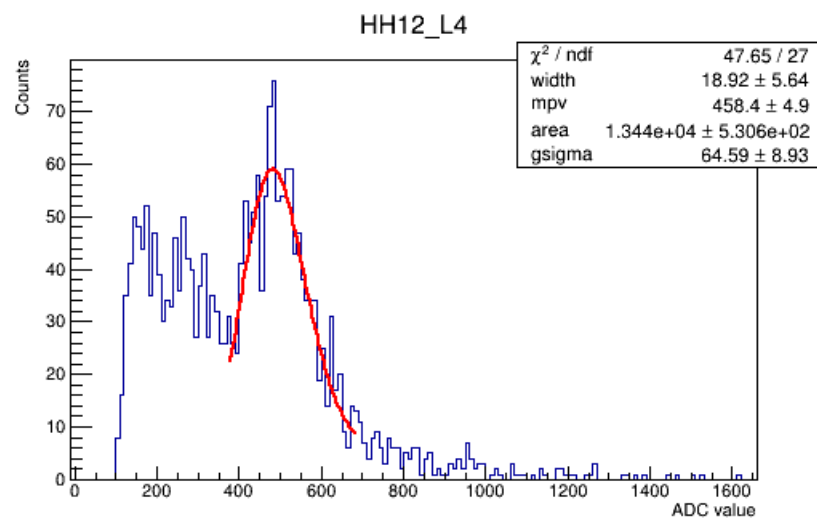
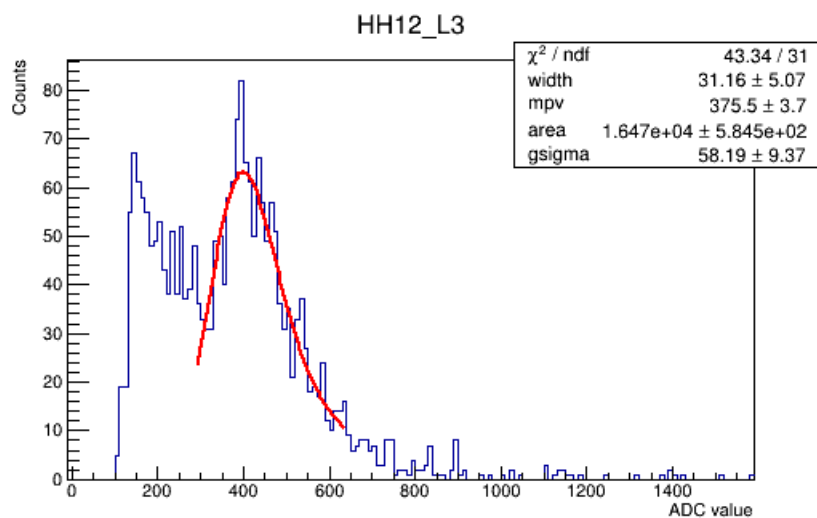
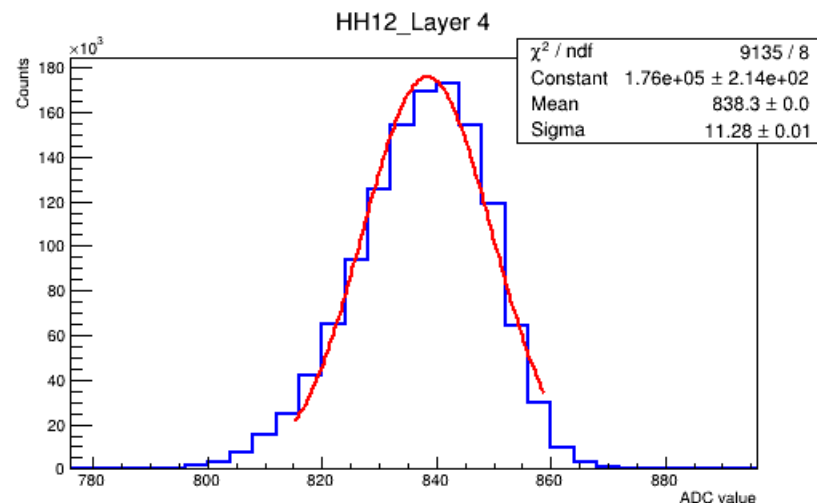
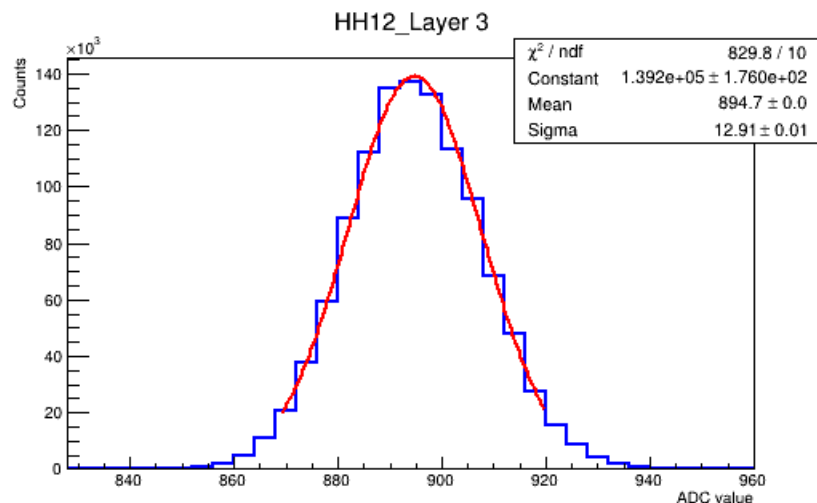
2024.02.01

# 宇宙线测试

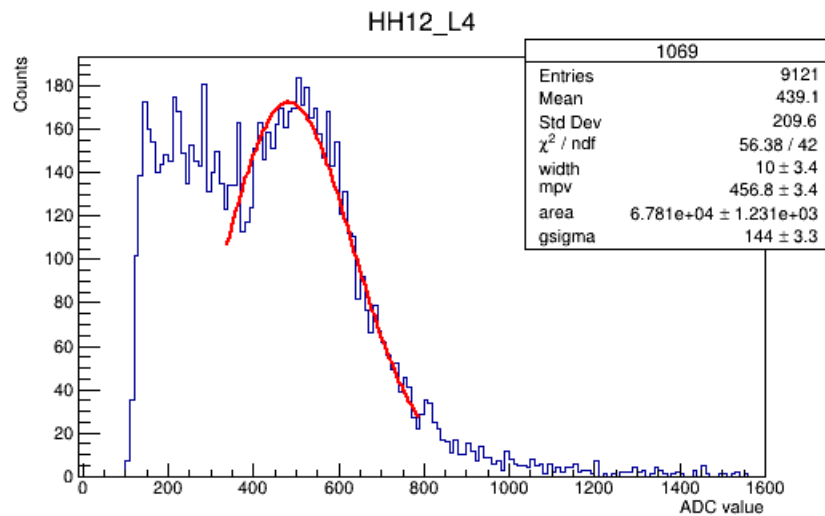
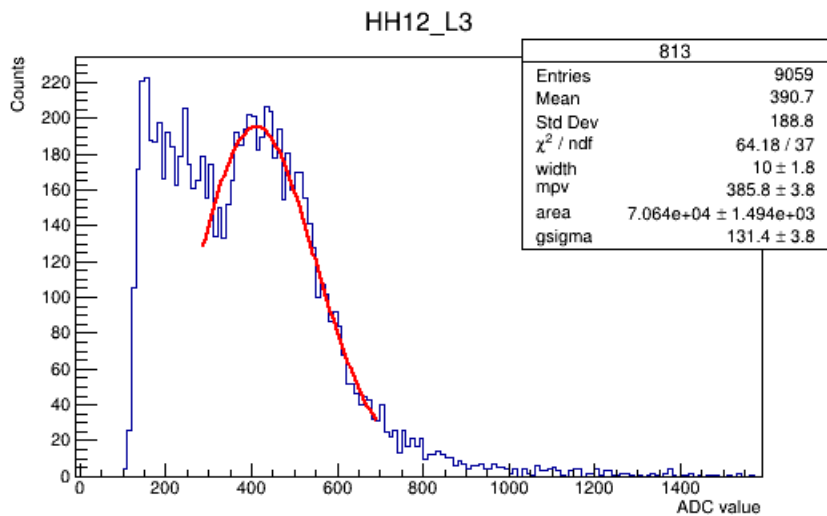
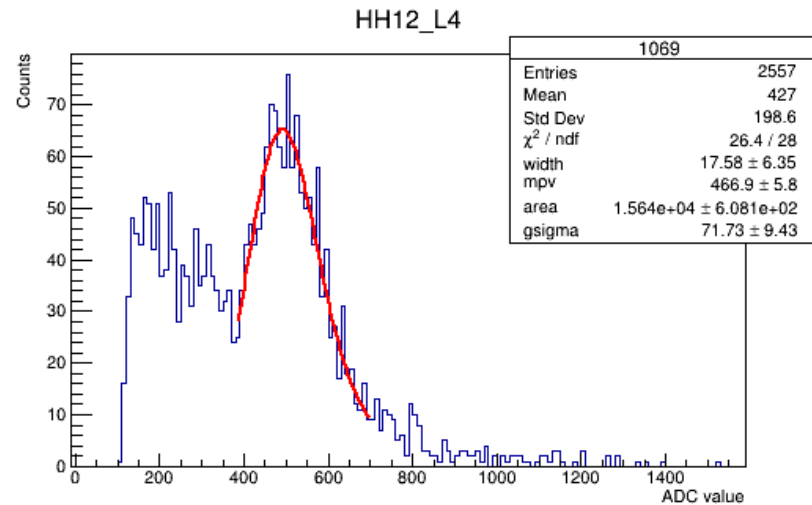
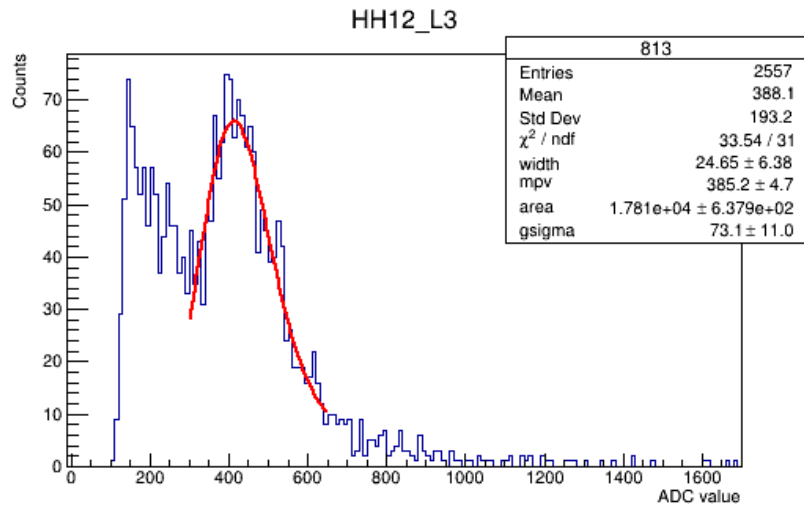
- 3 cm 边长的 BGO 晶体 5 行  $\times$  5 列  $\times$  2 层;
- 每次测试时间约 1 天, 目前共获得 38 个有效数据包;
- 1 个完整的数据包有大约 31 万个计数, 平均 1 秒 3.6 个;
- MIPs 筛选条件:
  - 2 层 都要有信号;
  - 每层有 1 或 2 个 击中;
  - 击中的晶体位置上下对应;



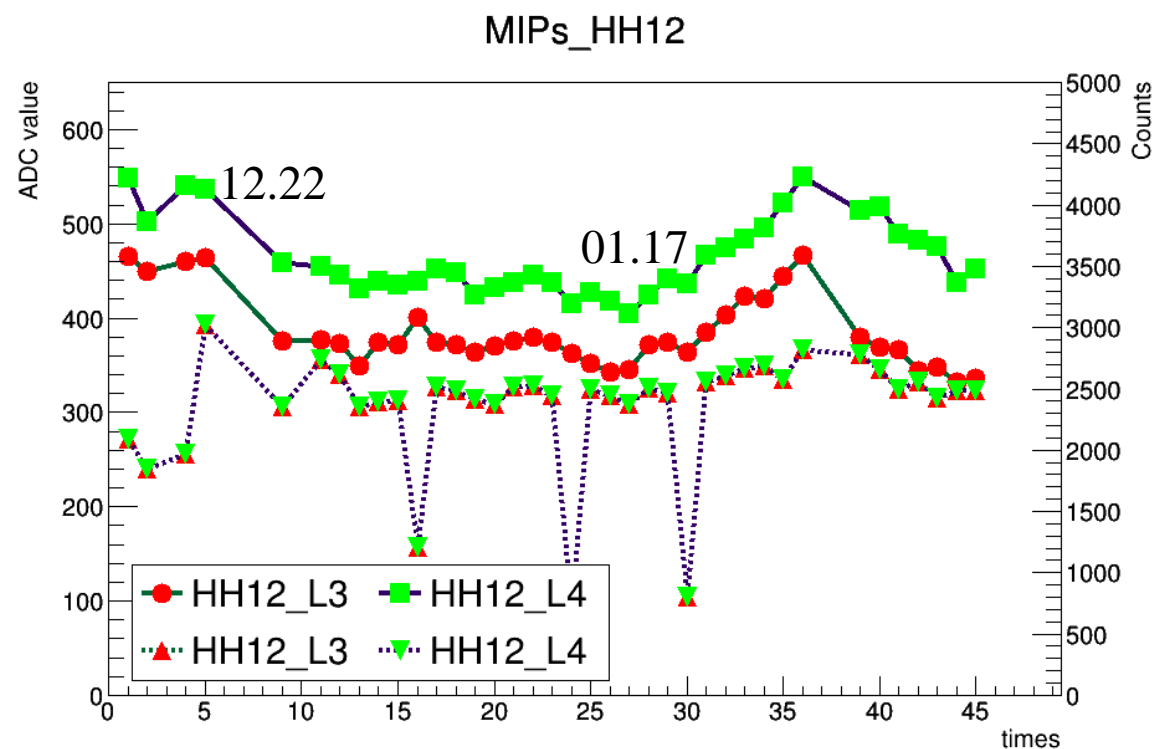
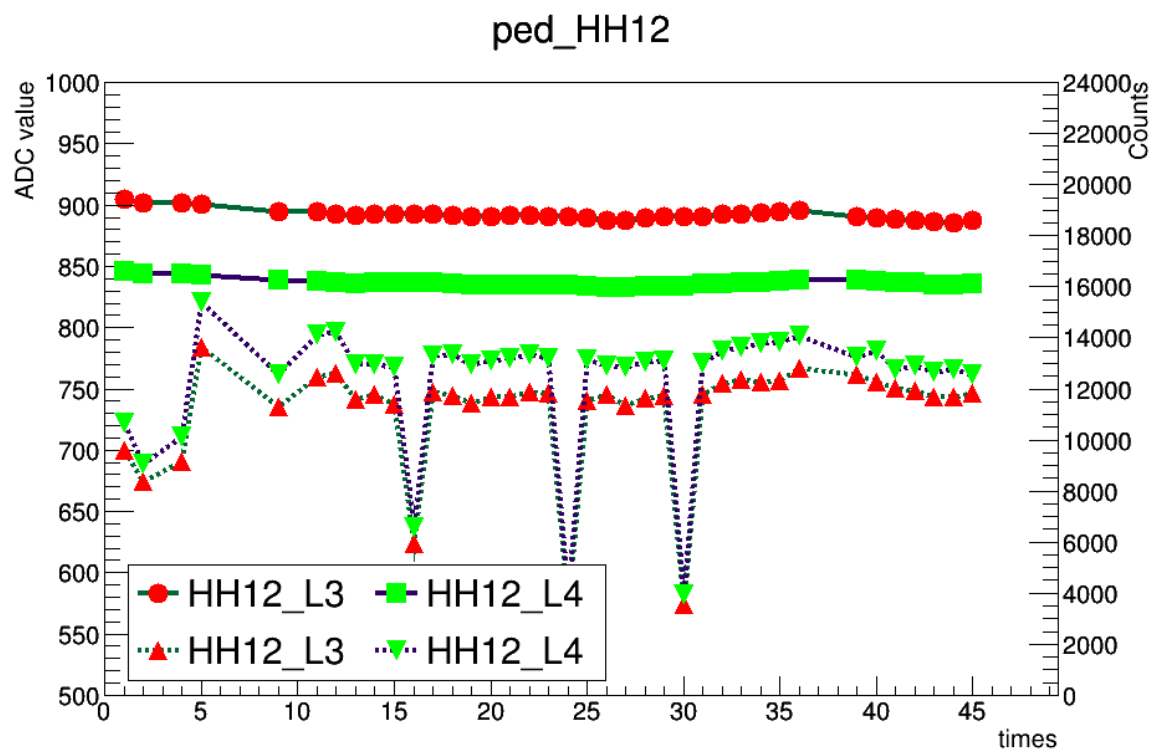
# 典型结果 -- 12.26



# 新增筛选条件的影响 -- 01.17



# Result -- 12.18 ~ 01.31



台基非常稳定，气温较低时 MIPs 值会明显变大 (?)

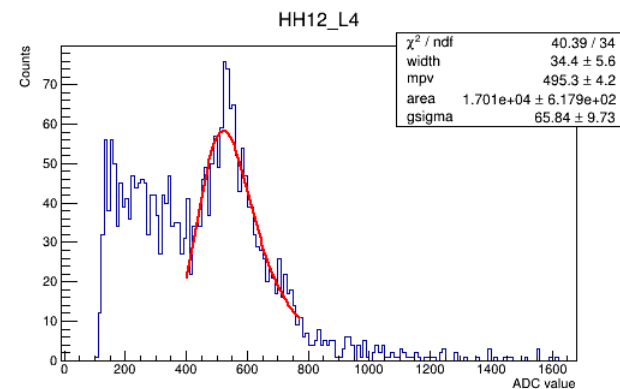
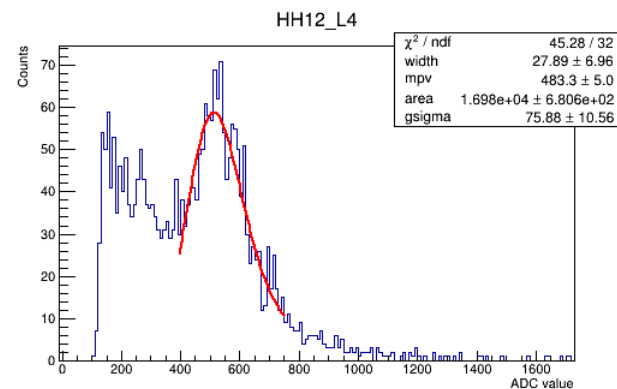
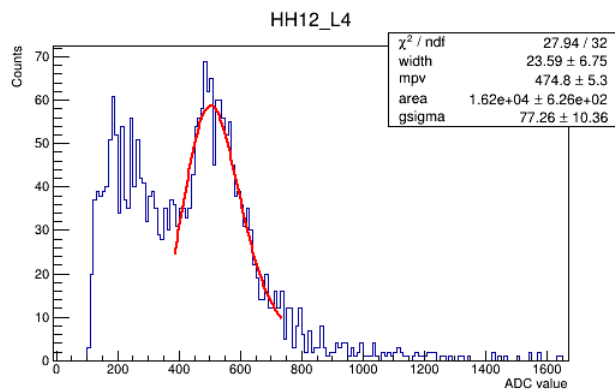
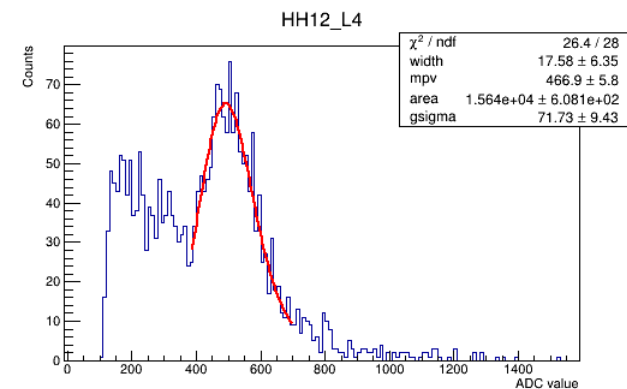
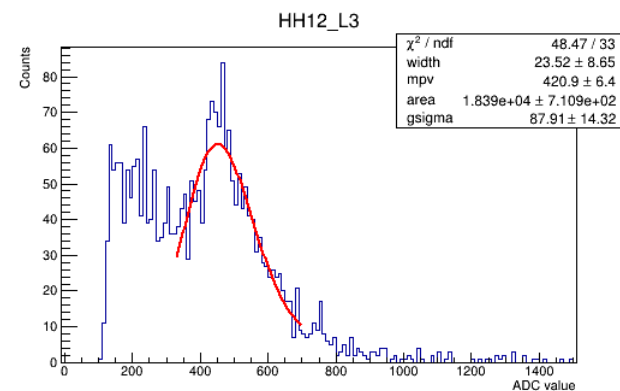
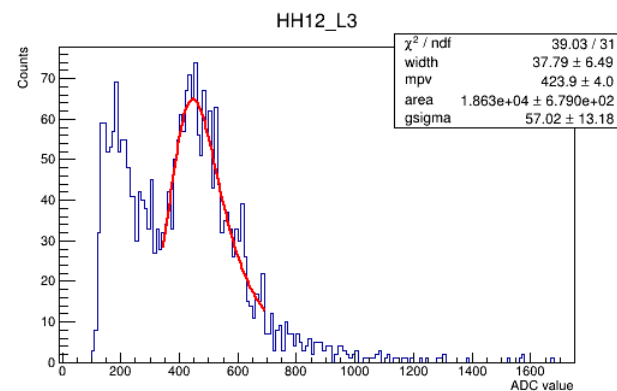
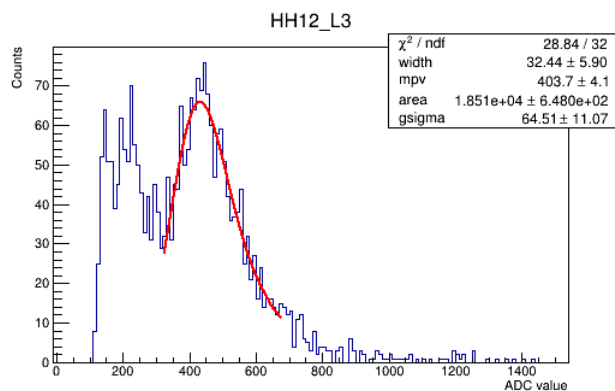
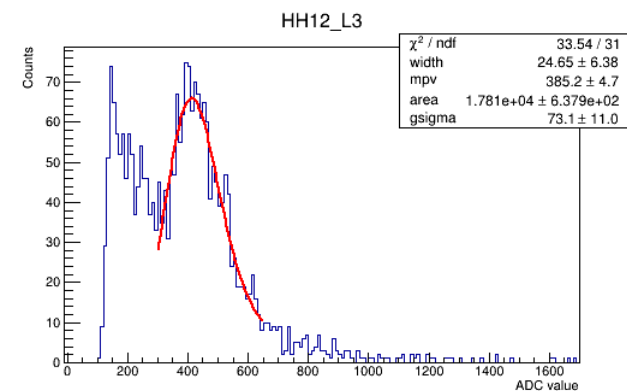
# MIPs fit -- HH12 channel

01.17

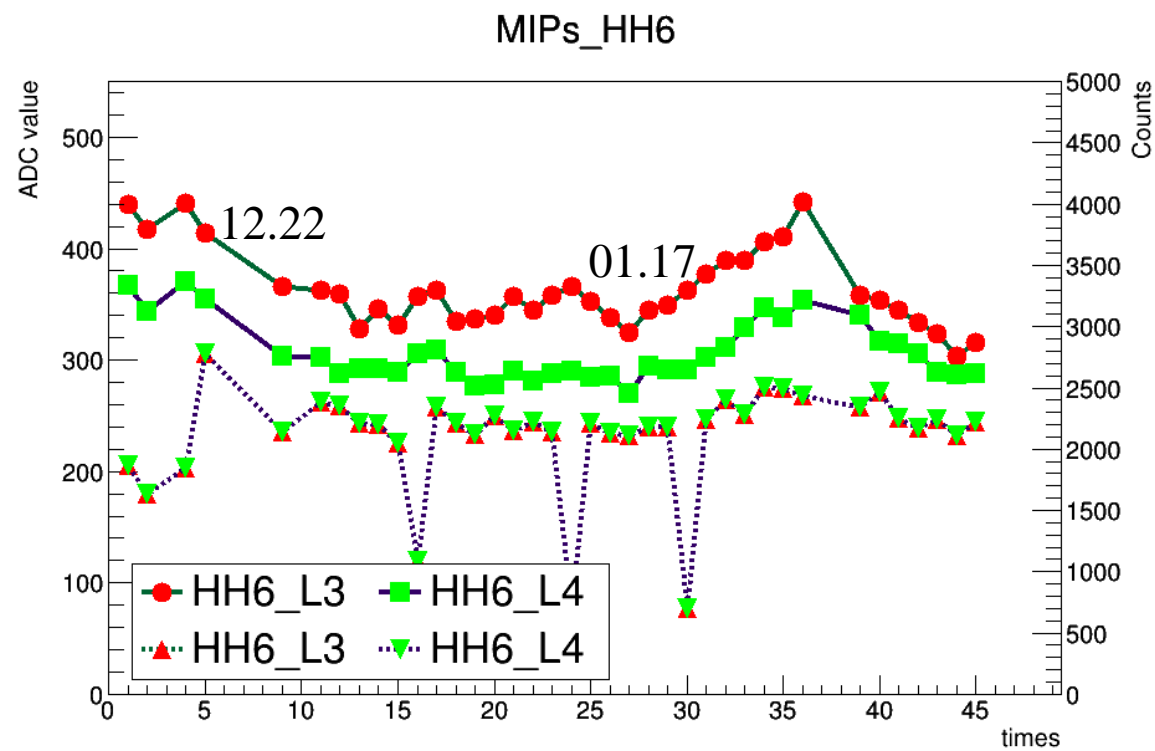
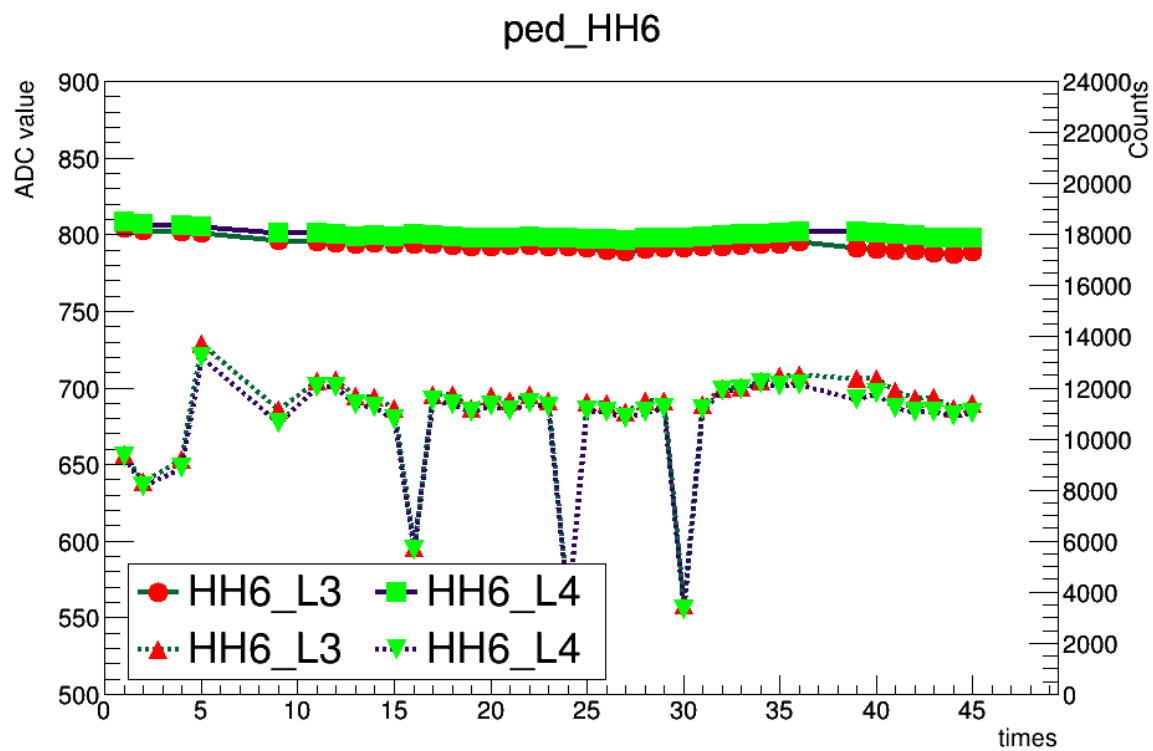
01.18

01.19

01.20



# Result 12.18 ~ 01.31



# Result 12.18 ~ 01.31

