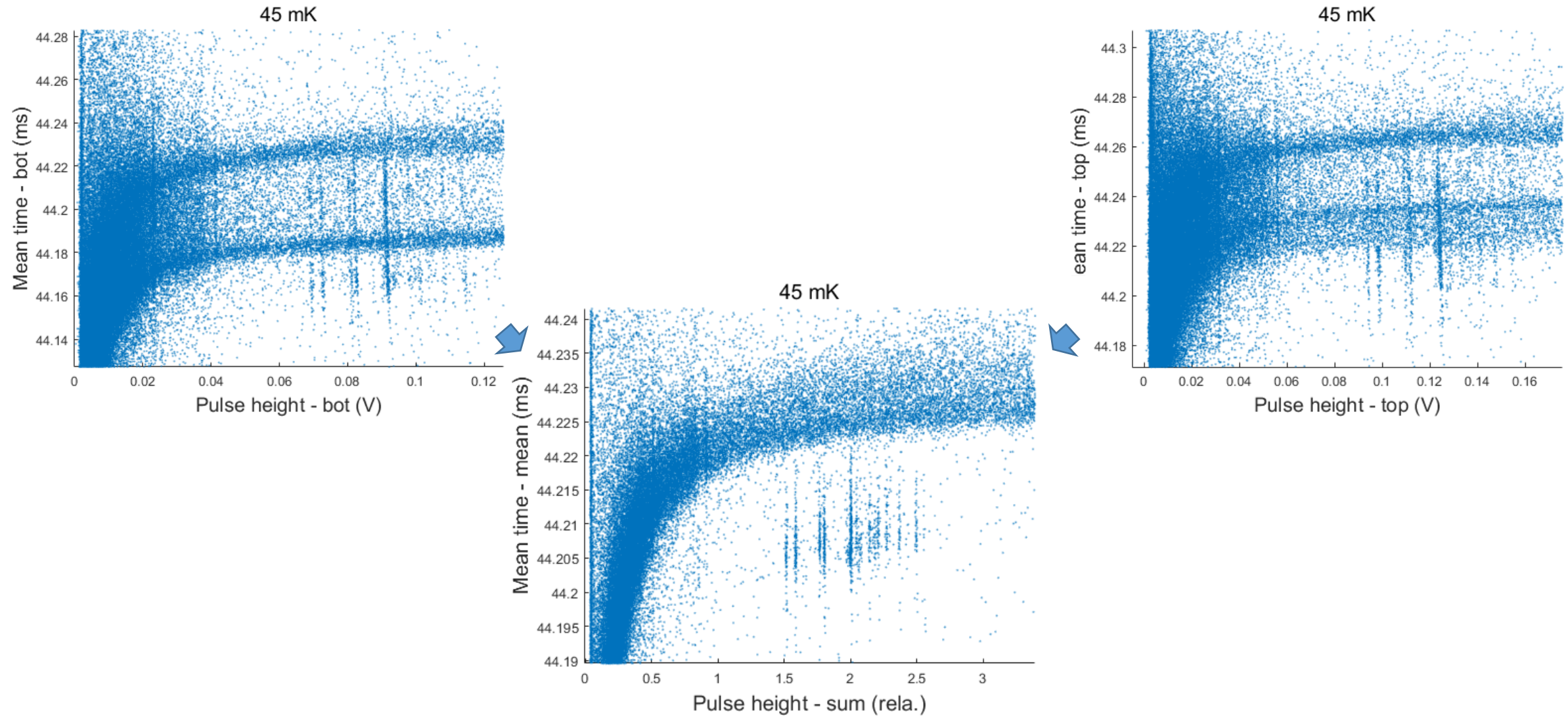


Weekly Report

2019-01-28

Kim, Hanbeom

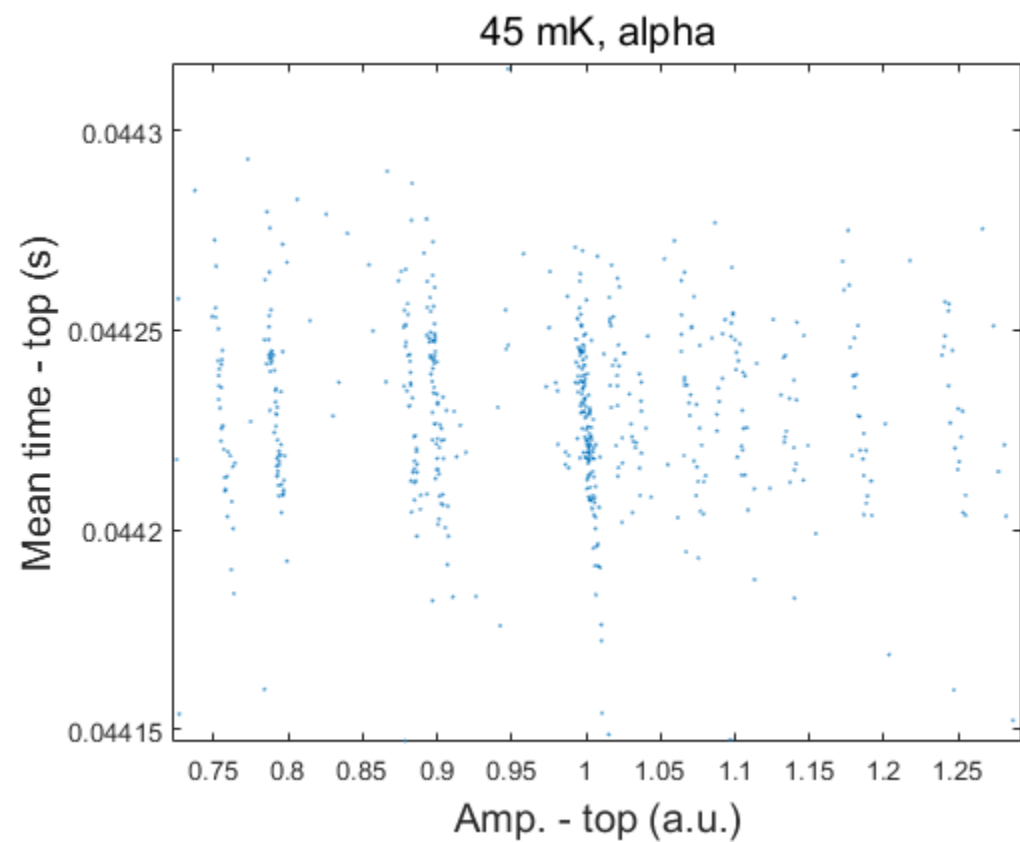
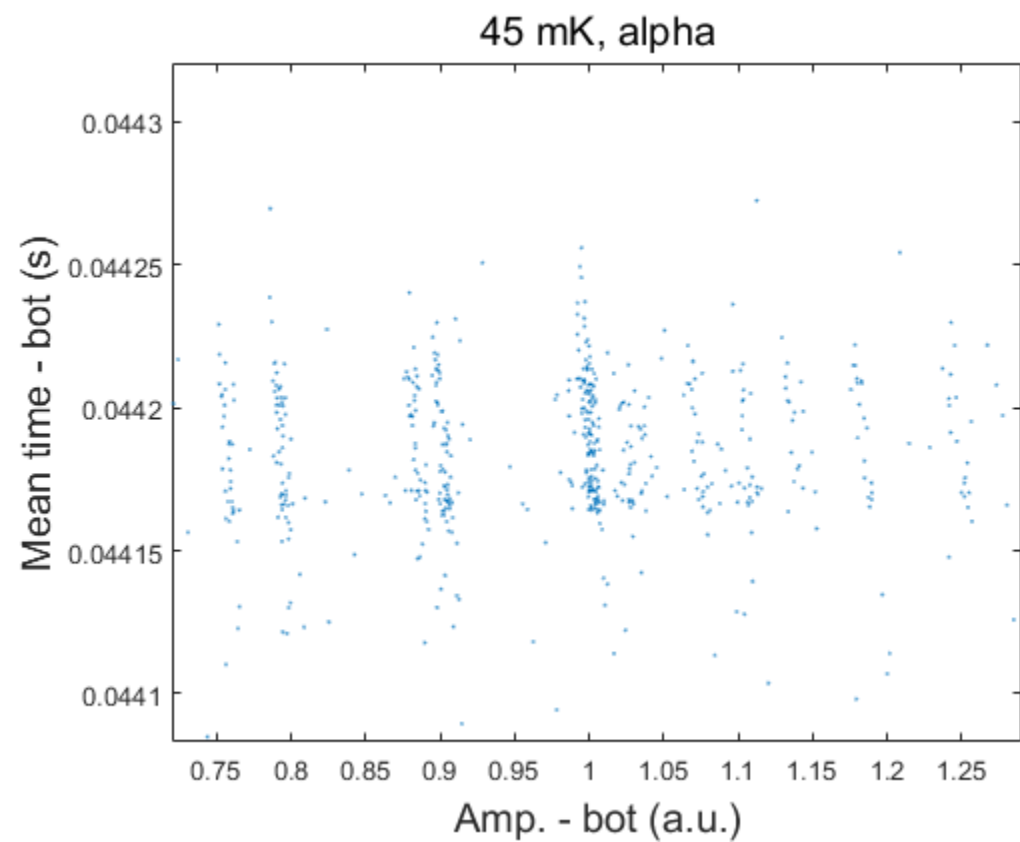
Dual Phonon



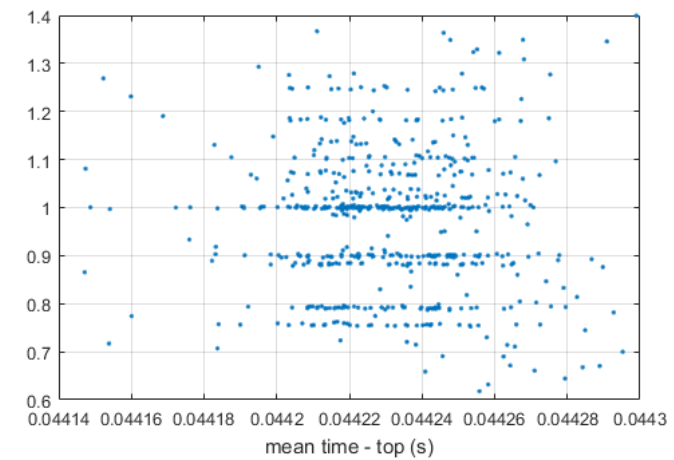
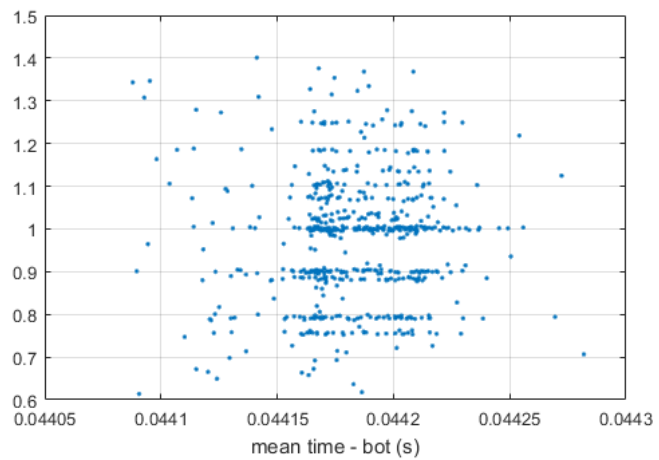
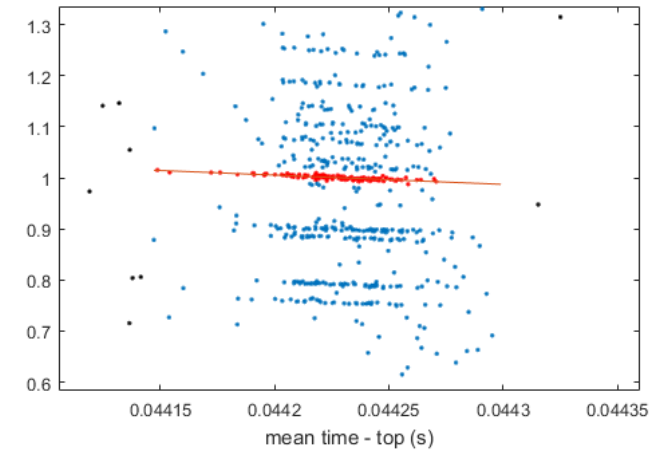
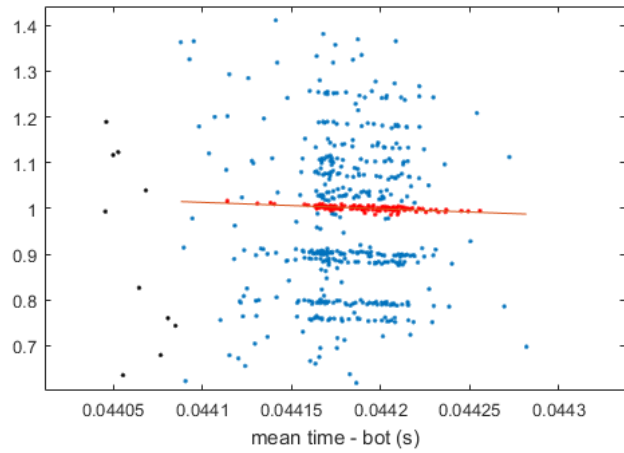
Dual Phonon

- Drift correction
 - Old: median filter with sum (collaboration meeting presentation)
 - New: median filter with individual parameter
- Resolution Comparison

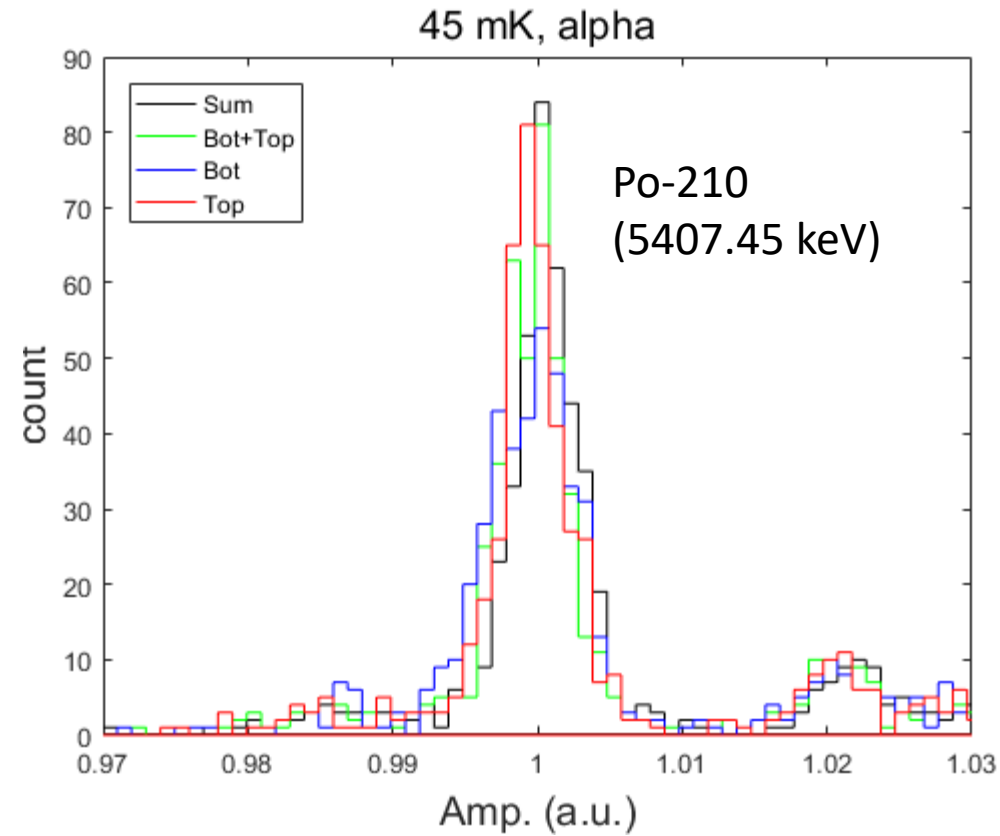
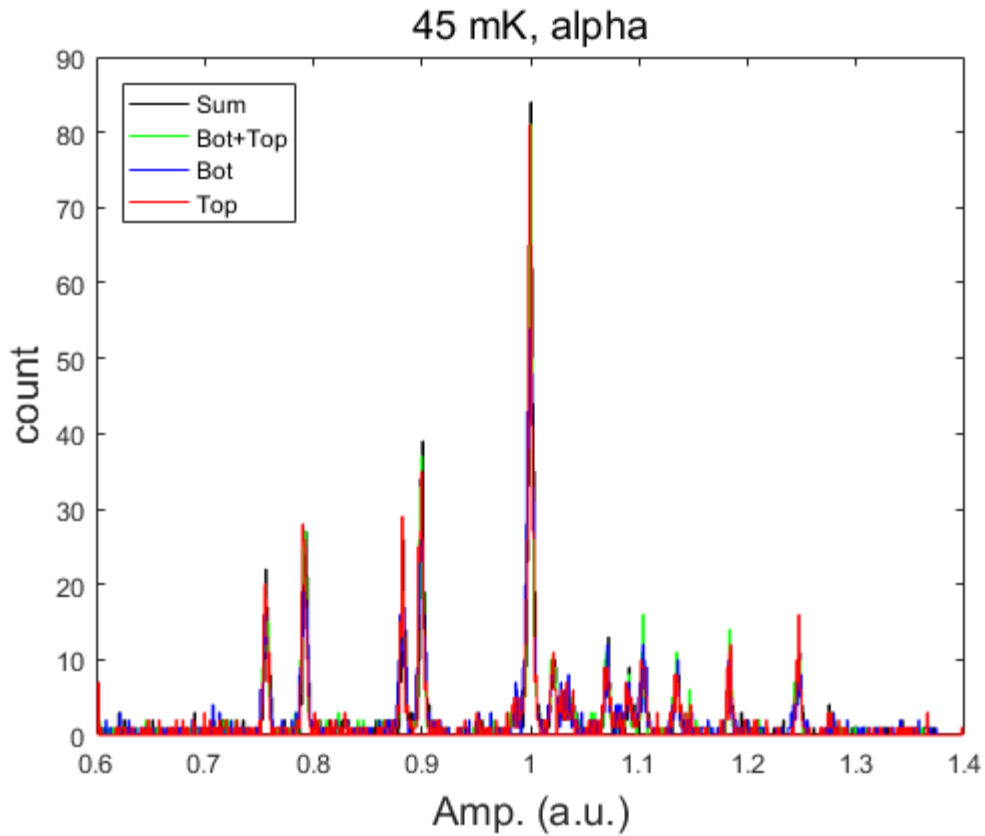
Dual Phonon



Dual Phonon



Dual Phonon

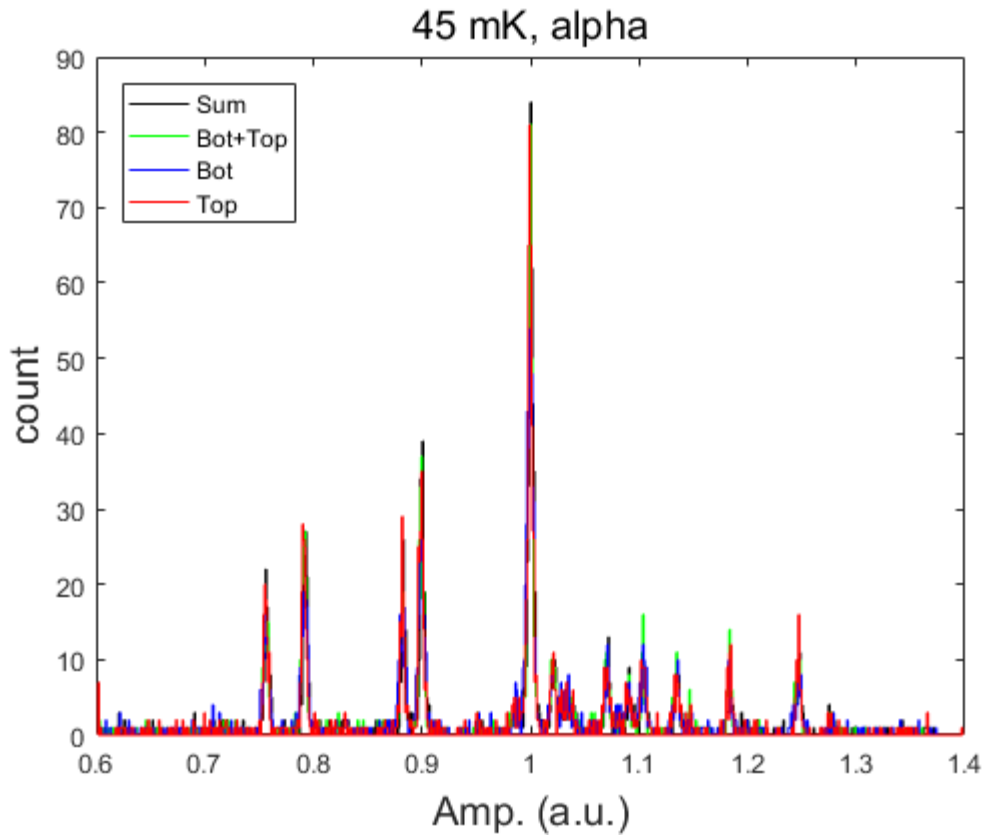


Po-210
(5407.45 keV)

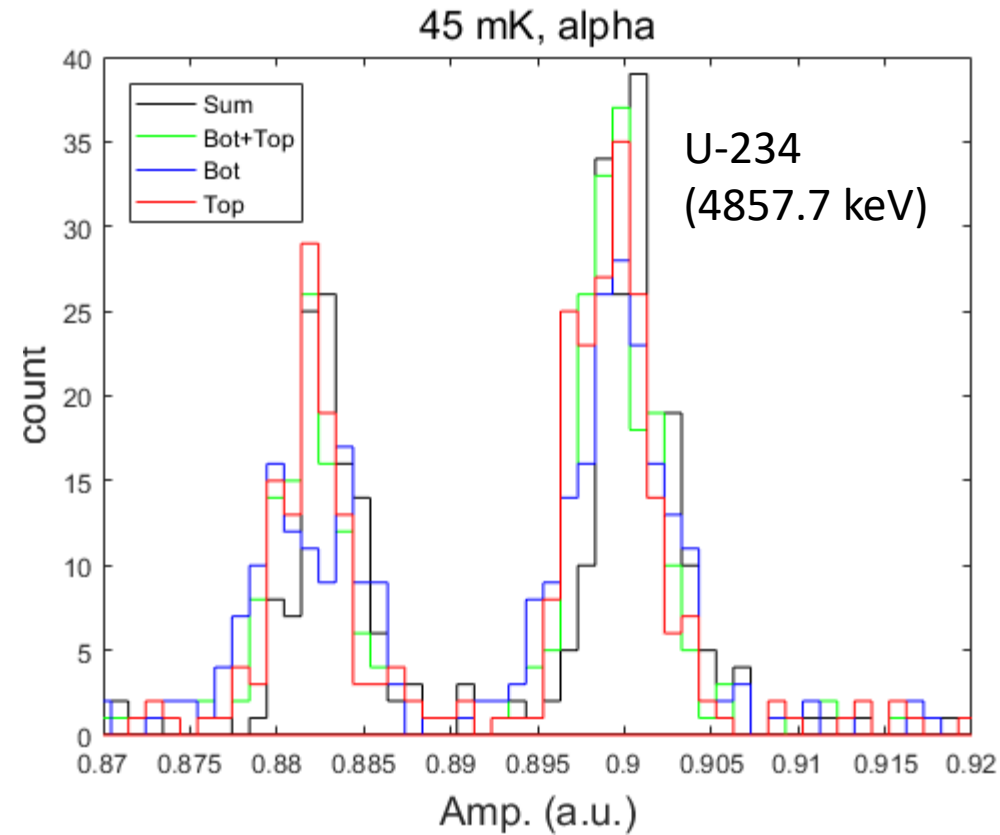
FWHM (% err):
0.00503 (9.4229)
0.00502 (11.2745)
0.00697 (9.0998)
0.00517 (11.7653)

Peak (% err):
1.0007 (0.0242)
0.9998 (0.0294)
0.9996 (0.0324)
0.9997 (0.0292)

Dual Phonon



2019-01-29

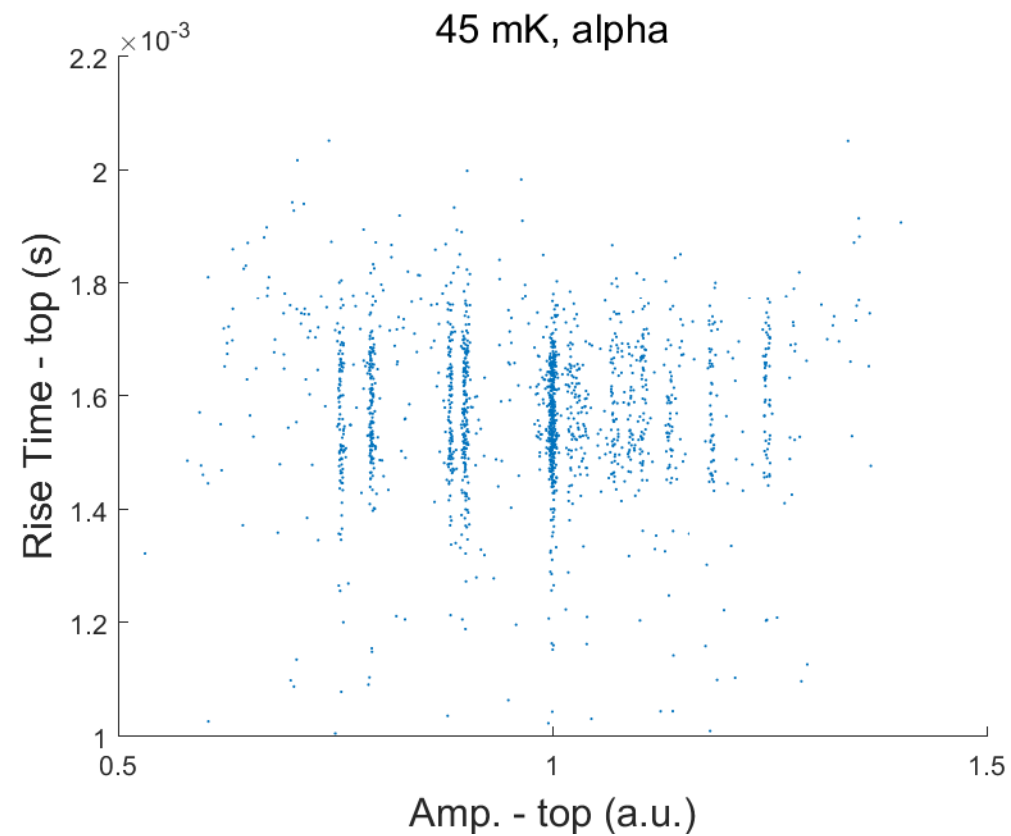
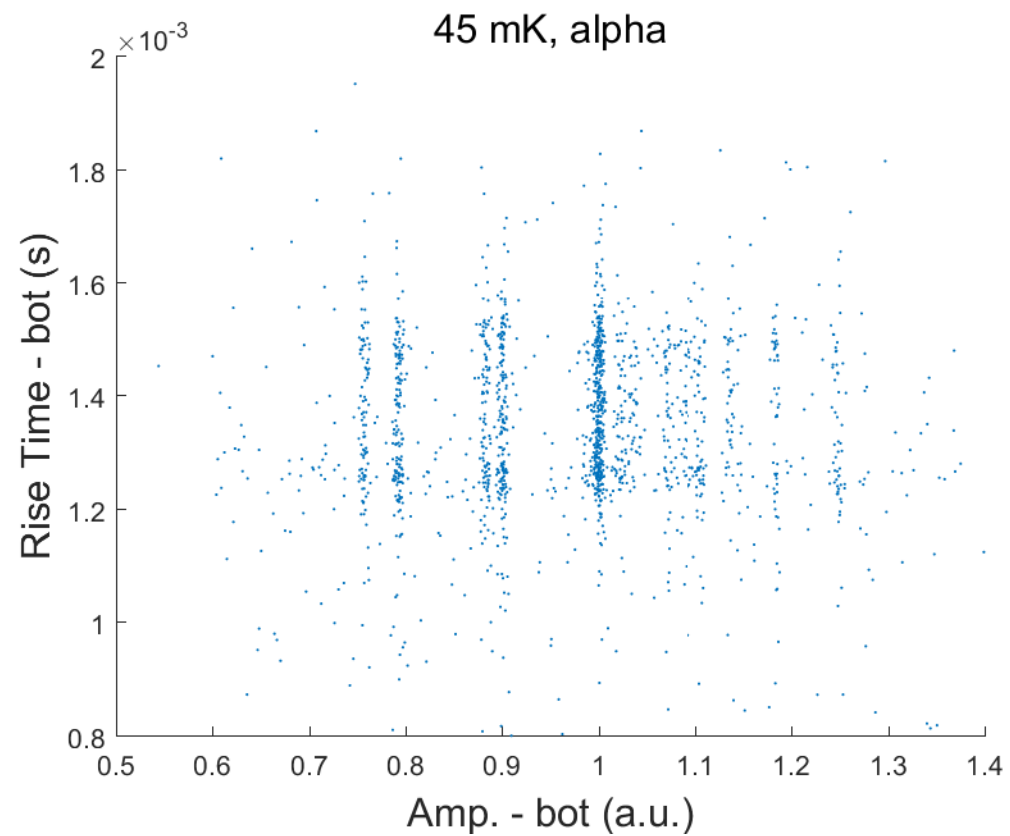


FWHM (% err):
0.00488 (20.1689)
0.00483 (12.7741)
0.00610 (11.2418)
0.00464 (16.6183)

Peak (% err):
0.9006 (0.0532)
0.8994 (0.0337)
0.8995 (0.0375)
0.8994 (0.0420)

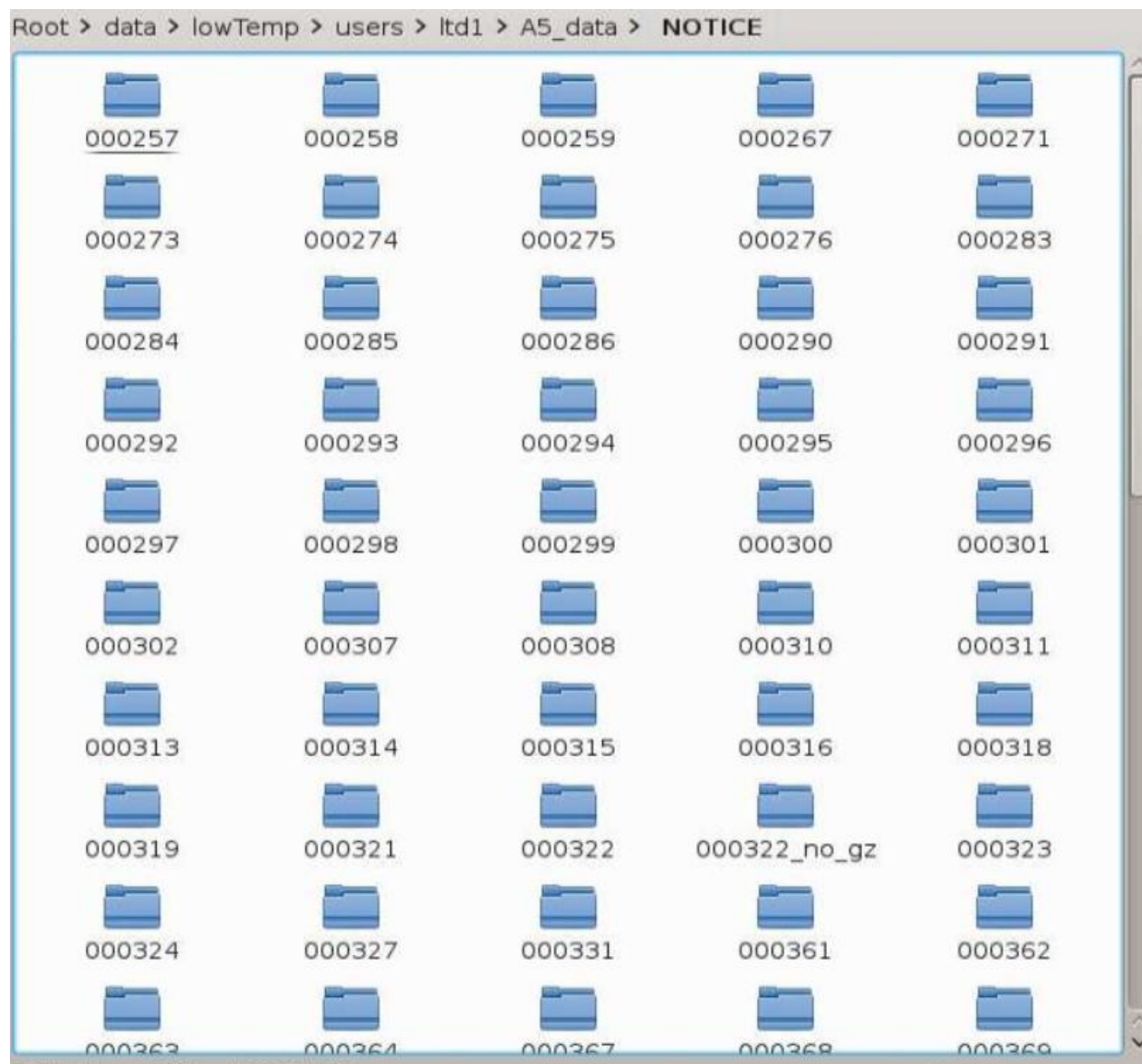
Analysis meeting

Dual Phonon



Future Plan

- AMoRE-I Experiment Preparation & Analysis
- More Position Dependence Study
 - To look into AMoRE Pilot Run 5 & 6
- R&D
 - To develop a new experimental setup which can reduce the position dependence effect
 - An experiment with different size (radius) of gold absorber on the crystal



Pilot 6: run 361~

방사선작업종사자 정기교육

- 1/30 수요일
- 9:00 ~ 16:00
- 서울대 관악캠퍼스