

Marika Kuczynska

CCE measurement for diamond detector

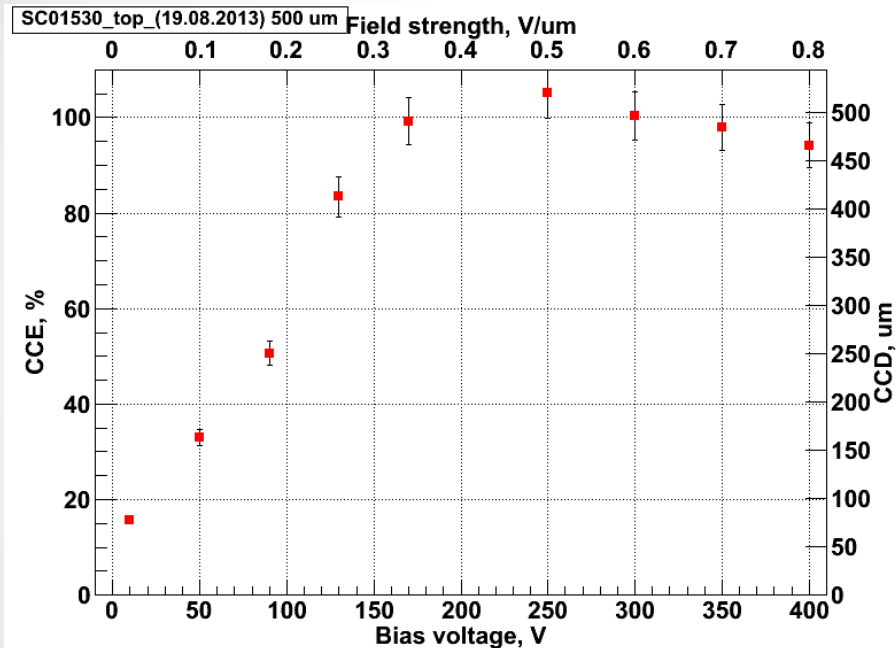
21.08.2013

Previous Week

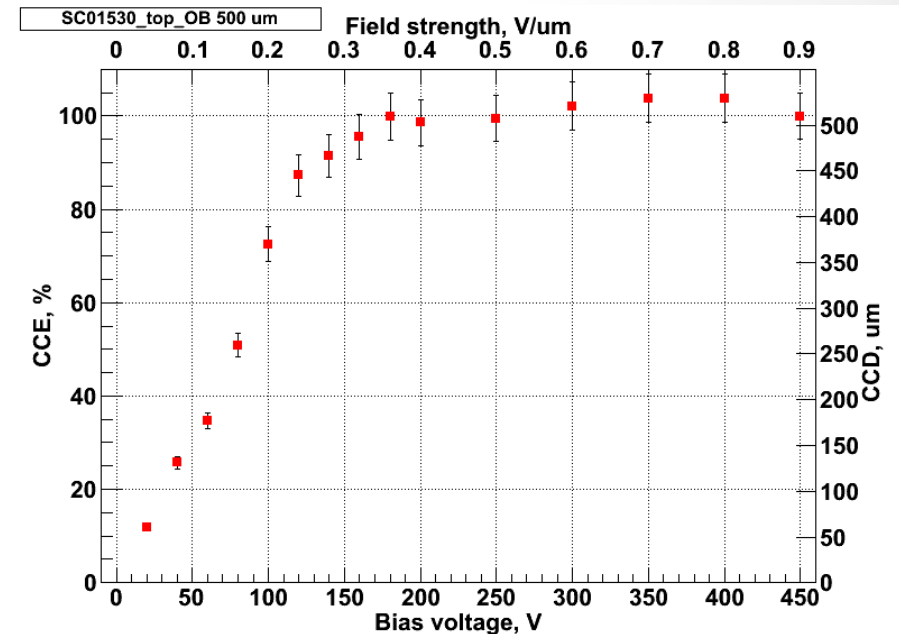
- CCE measurements for BCM1F diamond with old setup.
- look for a solution of the problem of over-CCE value.

Measurements of diamond SC01530

- New setup

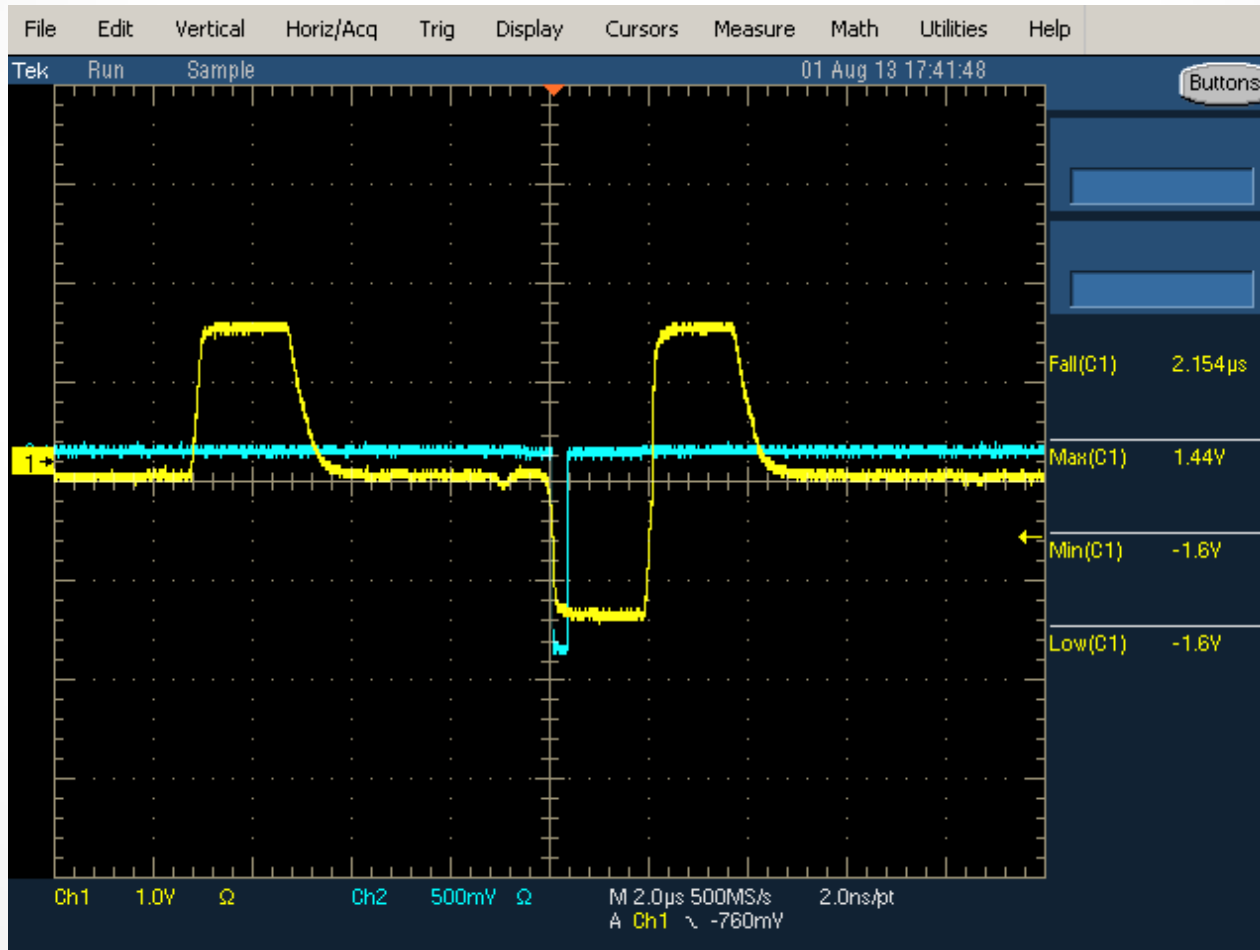


- Old setup



Still problem...

- For high voltage



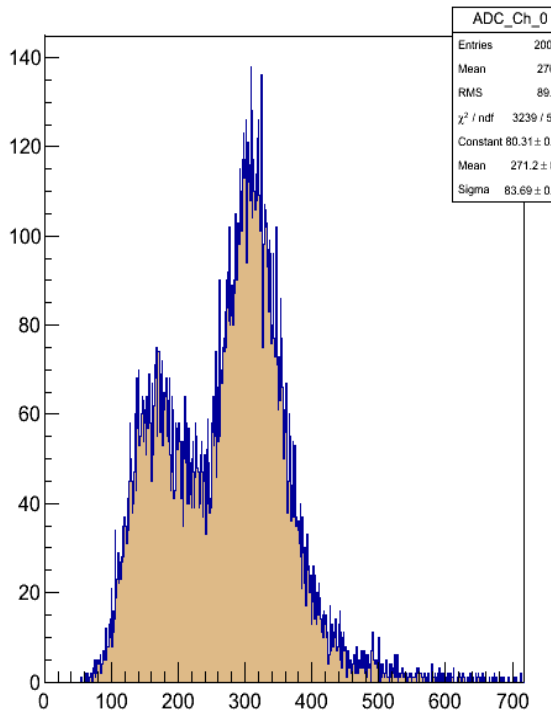
BCM1F diamonds

NAME	TOP SIDE	BOTTOM SIDE
+Z Bottom	✓	✓
+Z Far	✓	—
+Z Near	✓	✓
-Z Bottom	✓	✓
-Z Far	✓	✓
-Z Top	✓	✓

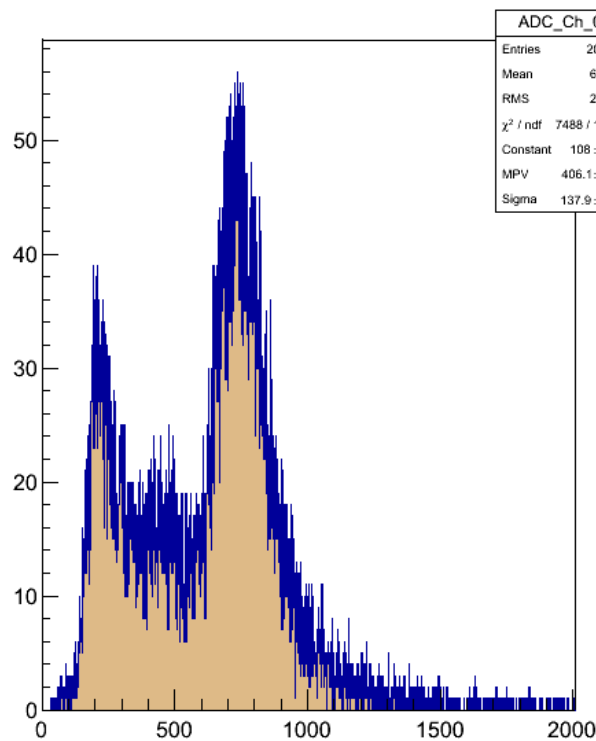
Z+ Far (top side) - plots

- 10V
- 170V
- 450V

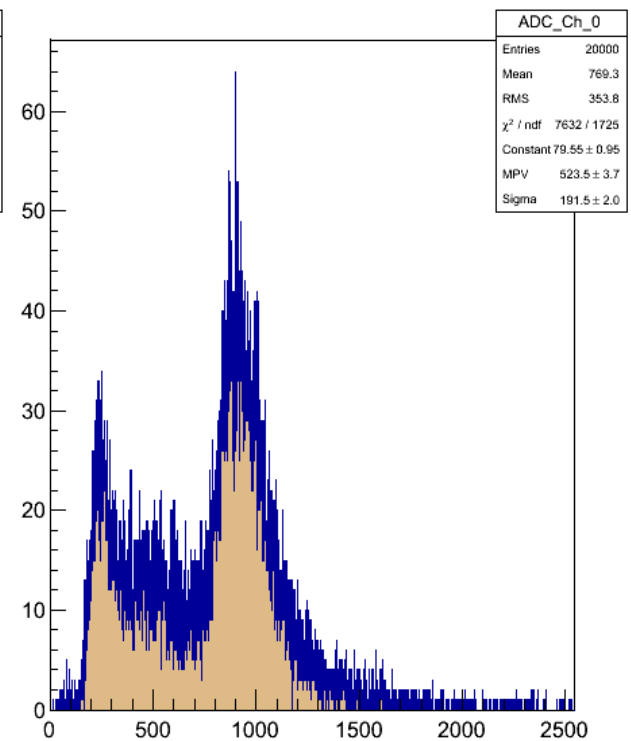
PIZFar topPolar



PIZFar topPolar

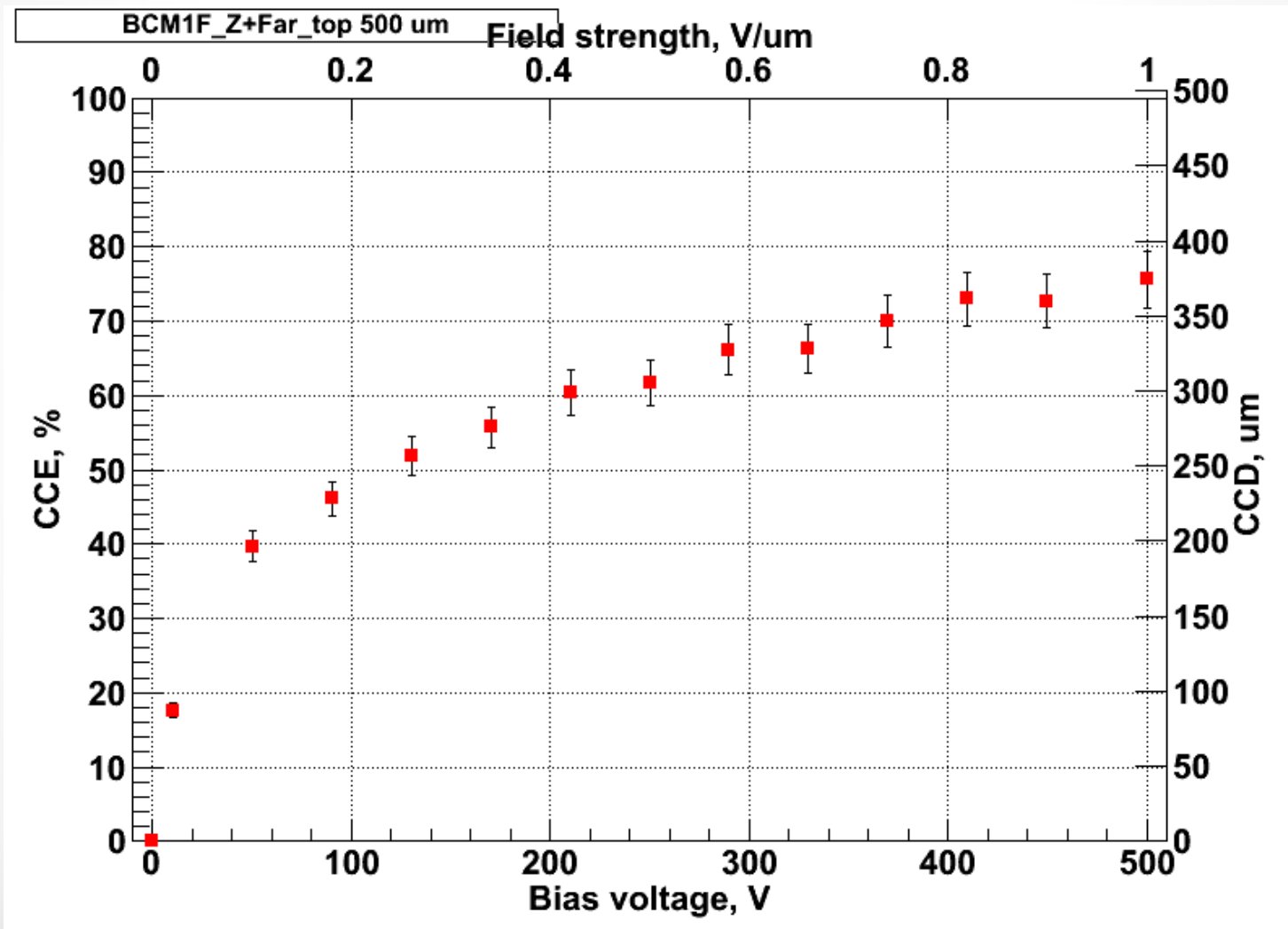


PIZFar topPolar

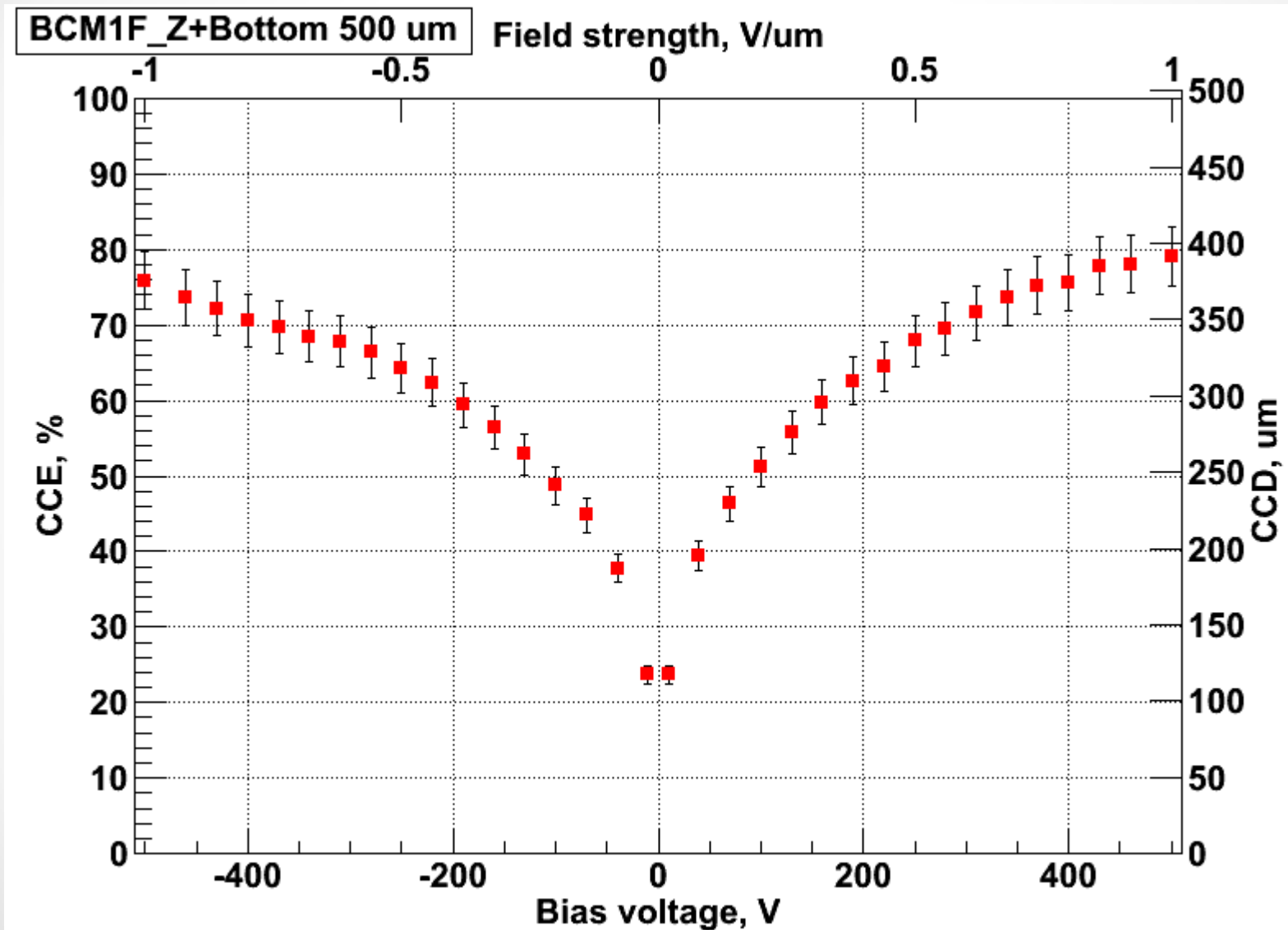


Z+ Far (top side) - CCE

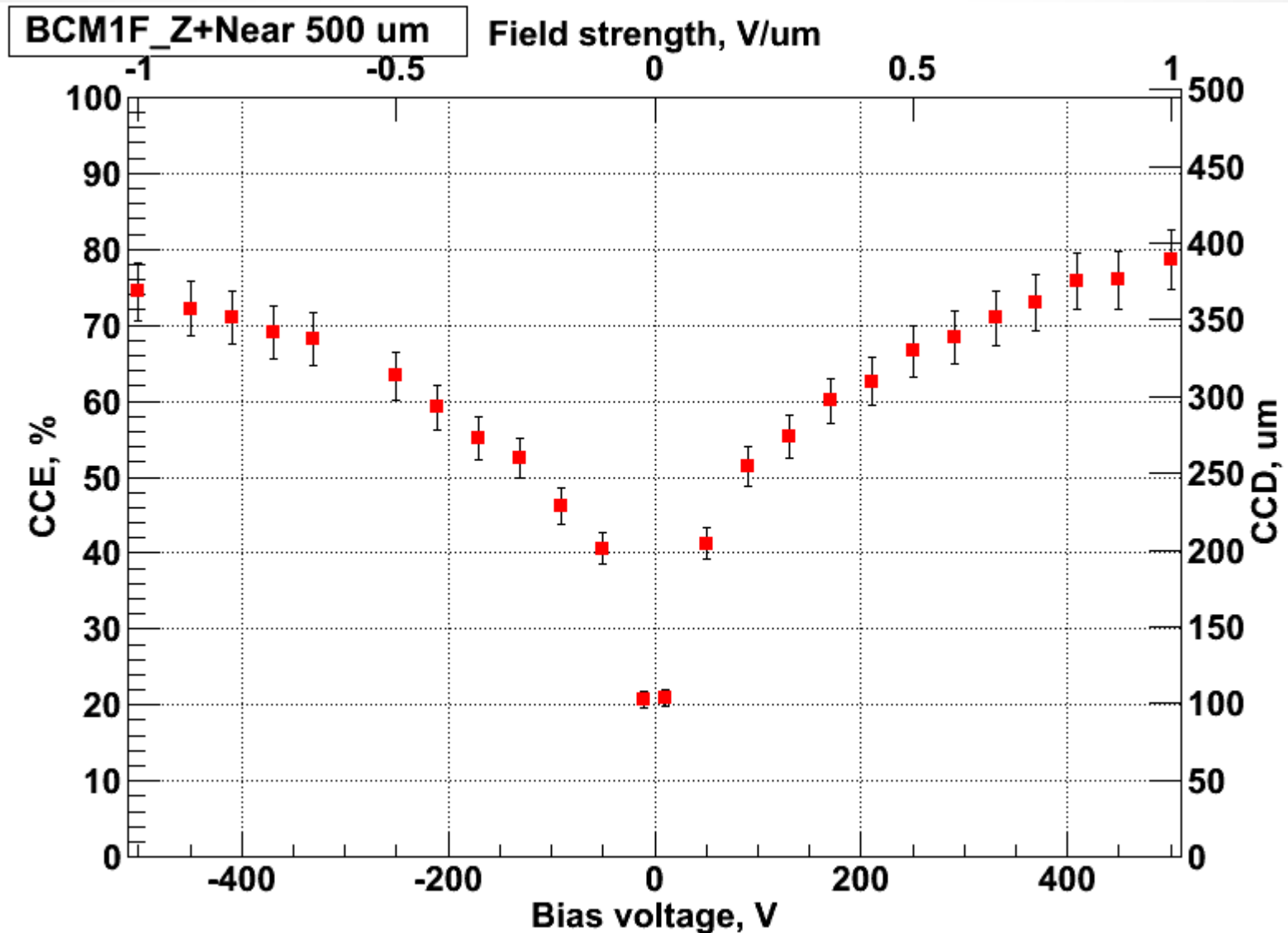
Second peak



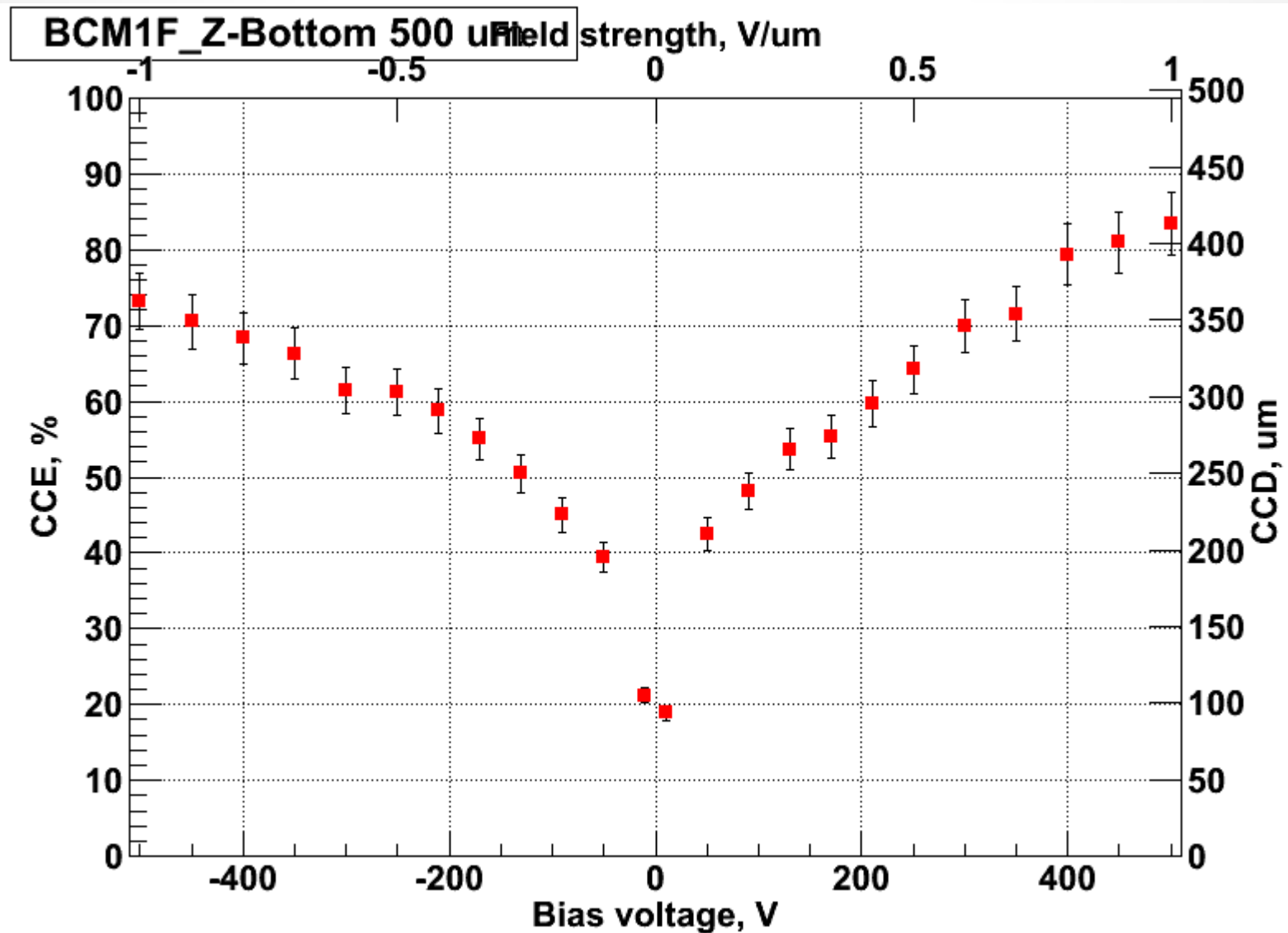
Z+ Bottom



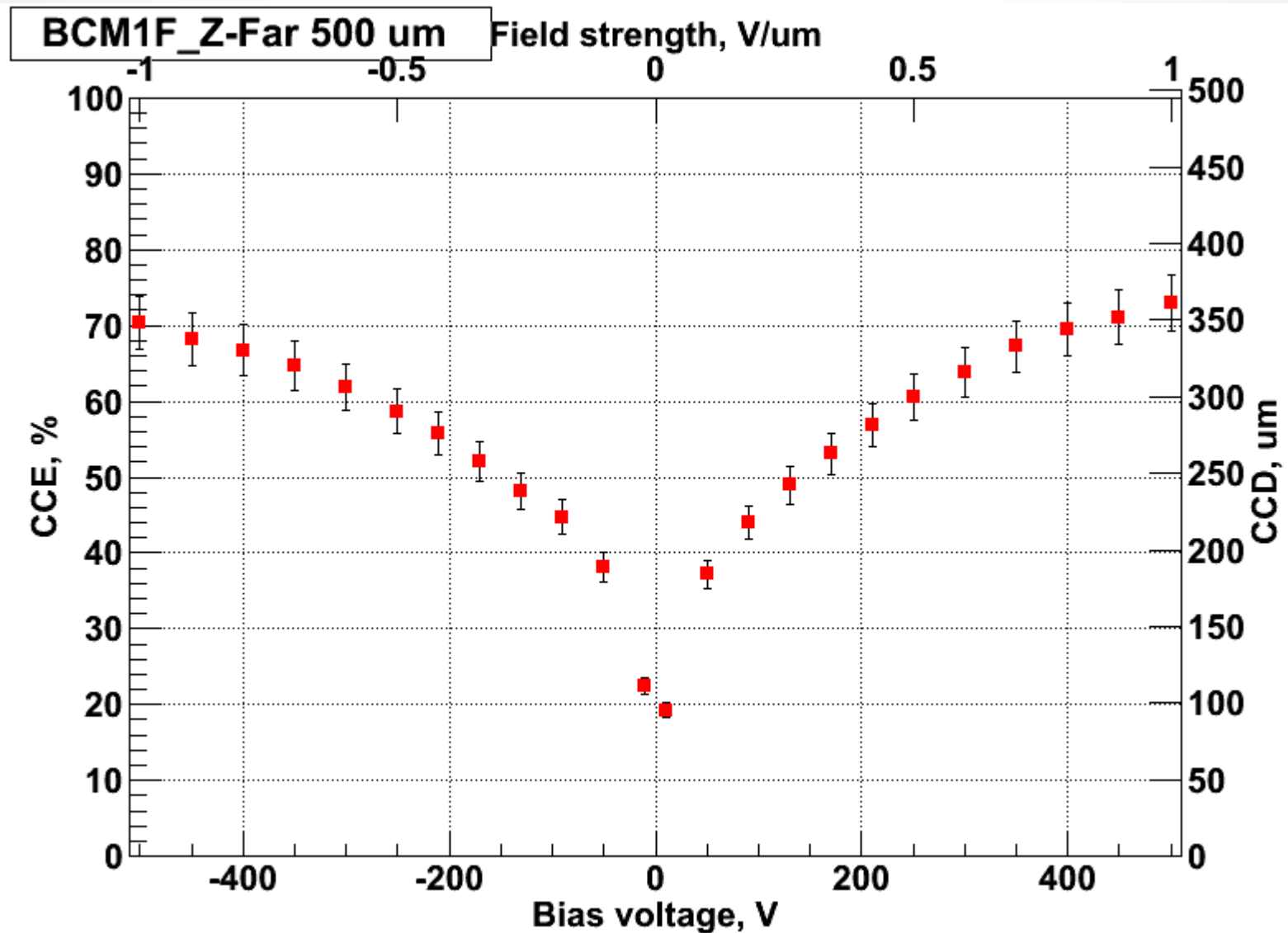
Z+ Near



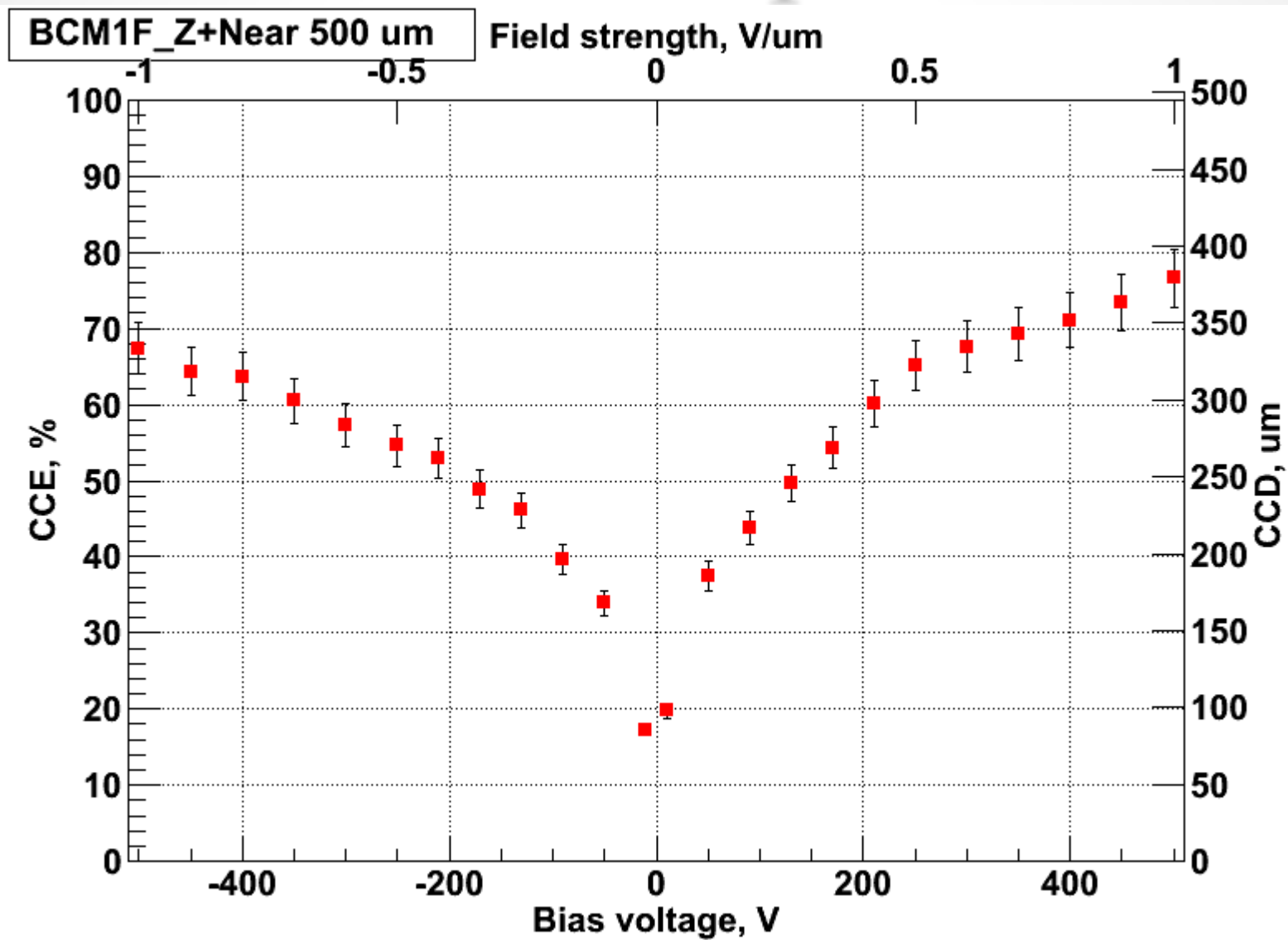
Z- Bottom



Z - Far



Z - Top



The plan for this week:

- CCE measurements for BCM1F diamonds with new setup.
- CCE measurements for:
 - 23851242
 - 23851253
 - 23851243with new setup.