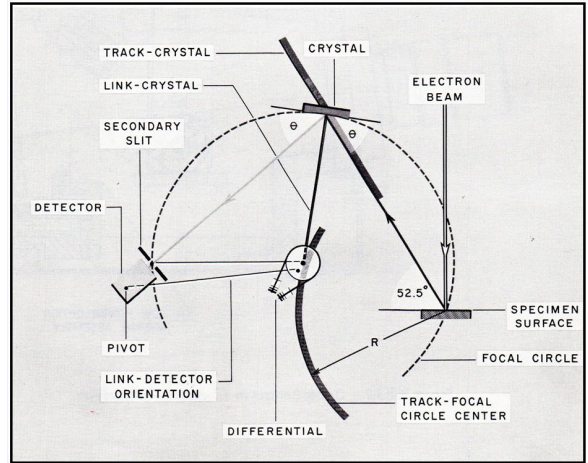


Calcium Counts and Energy Resolution

1. Gun: 15 KV
2. Sample Current: 10 nA
3. Sample: Diopside (Ca – 18.49%)
4. X-Ray: Ca Ka @ 3,690 eV
5. Crystal: PET ; 2d – 8.75
6. Spectrometer No: 1 - 5
7. Spectrometer Type: Scanning WDS, Curved Crystal
8. Roland Circle Radius: 127 mm
9. Resolution FWHM: Ca Ka – 10 eV
10. Detector Gas: Xenon @ 1 Atmosphere
11. Xenon Absorption Efficiency for Ca Ka: 99%
12. Number of windows between sample and crystal: 0
13. P/B Ratio: Ca – 163 ; Background: 27 CPS
14. Takeoff Angle: 52.5°



Spectrometer Type

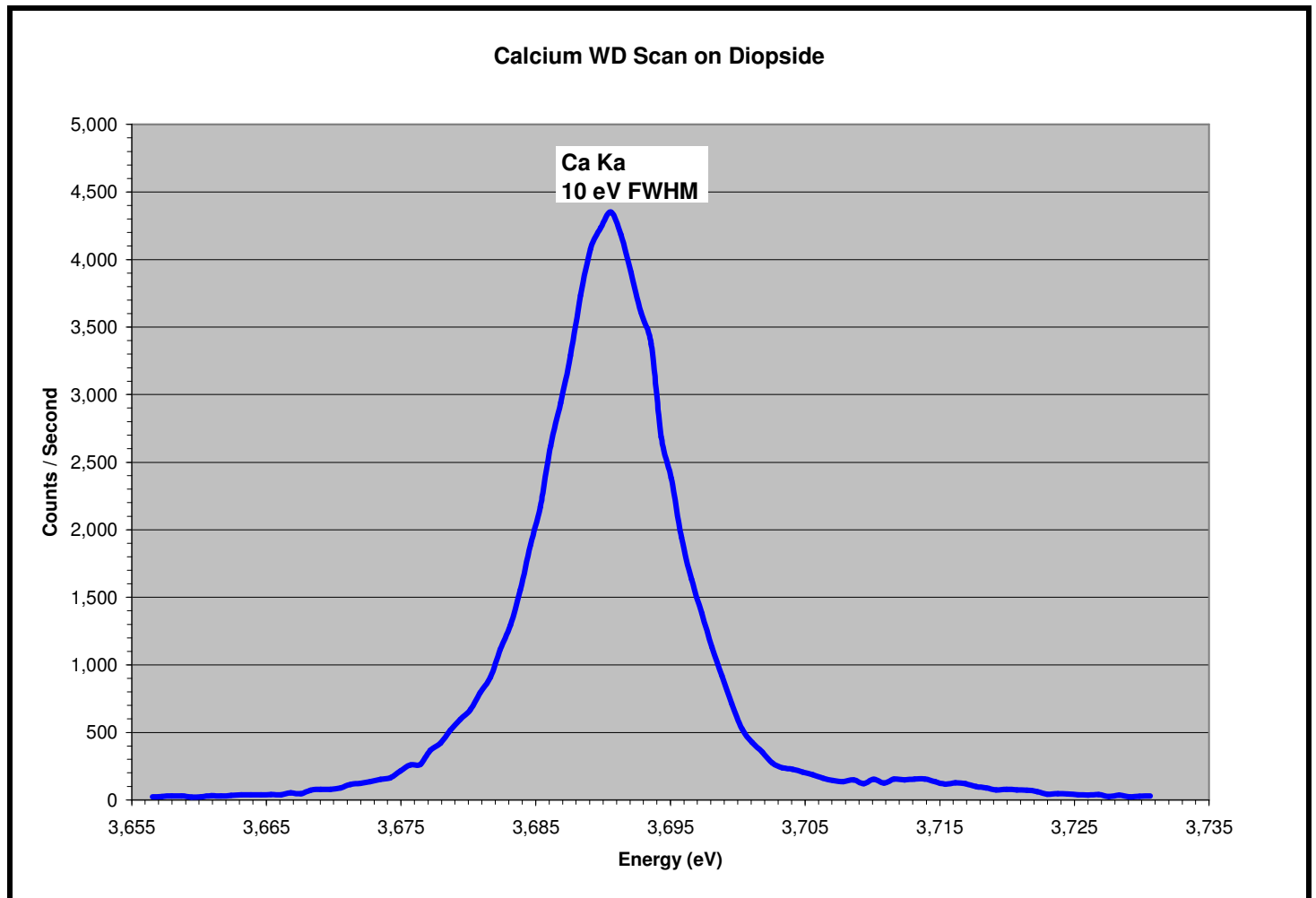


Figure 1: Wavelength Scan on Diopside Sample