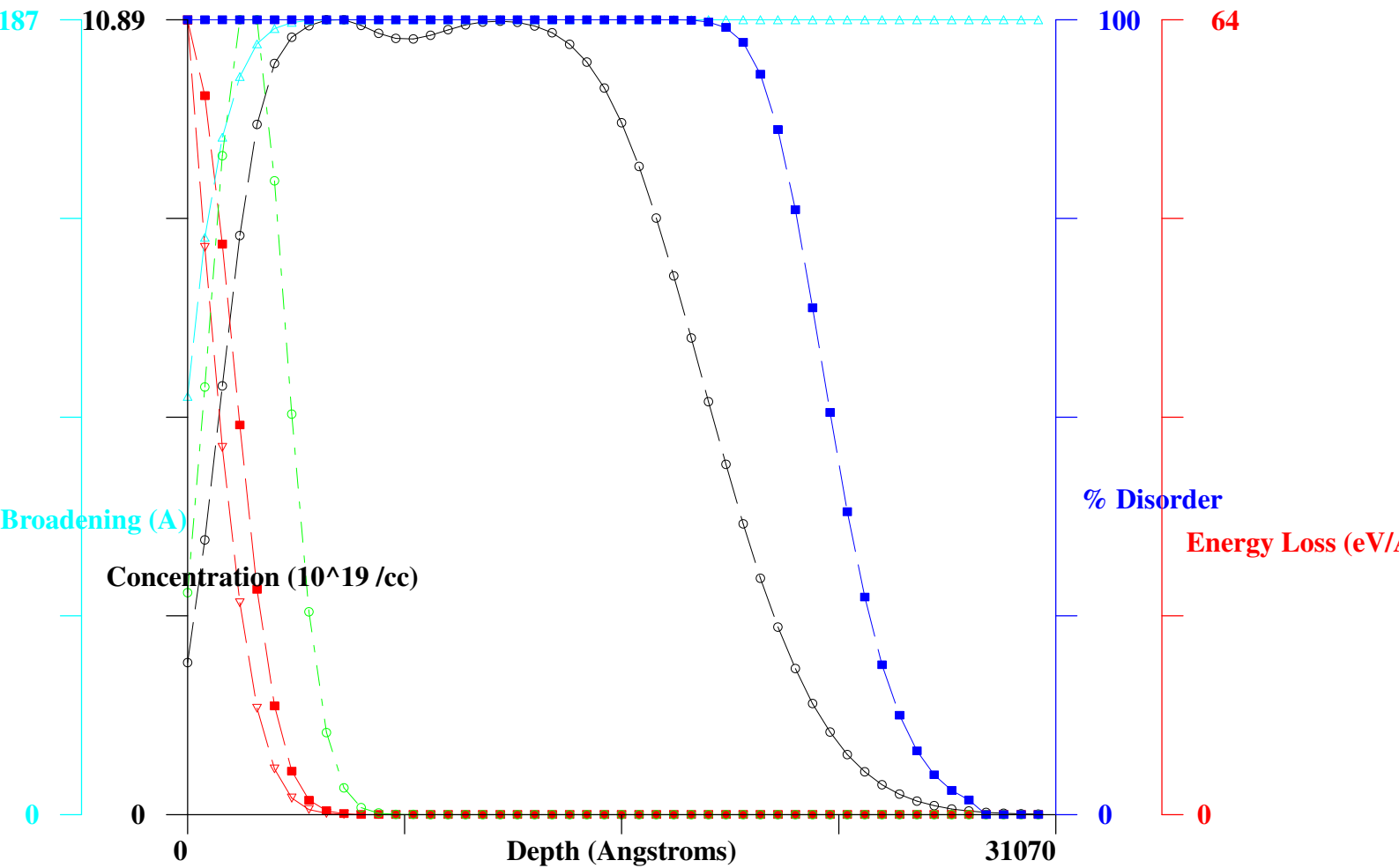


# SUSPRE V1.8



## Ion Details

Name: S  
Energy: 2000.0 keV  
Fluence: 100.0 ions/cm-2  
Current: 100.0 uA/cm-2  
Angle: 0.0 degrees

## Target Details

Name Relative Amount  
Cd 1  
Te 1  
Density: 6.2 g/cc

## High Dose Considerations

Model: Bucket Saturation  
Ion Solubility: 2 ions/trgt atm  
Density of new phase: 6.2 g/cc

## Results

Broadening 105.27 A  
Amorphous Dose  $16.44 \times 10^{14}$  ions/cm<sup>2</sup>  
Sputtering Yield 1.35  
Erosion Rate 2.7 A/s  
En 339.38 keV  
Ee 1660.62 keV  
Range 14354.97 A  
Std Dev 4180.86 A

## Ion Details

Name: S  
Energy: 1000.0 keV  
Fluence: 50.0 ions/cm-2  
Current: 100.0 uA/cm-2  
Angle: 0.0 degrees

## Target Details

Name Relative Amount  
Cd 1  
Te 1  
Density: 6.2 g/cc

## High Dose Considerations

Model: Bucket Saturation  
Ion Solubility: 2 ions/trgt atm  
Density of new phase: 6.2 g/cc

## Results

Broadening 147.22 A  
Amorphous Dose  $11.79 \times 10^{14}$  ions/cm<sup>2</sup>  
Sputtering Yield 2.55  
Erosion Rate 5.12 A/s  
En 287.19 keV  
Ee 712.81 keV  
Range 7916.16 A  
Std Dev 3087.03 A

## Ion Details

Name: S  
Energy: 500.0 keV  
Fluence: 32.0 ions/cm-2  
Current: 100.0 uA/cm-2  
Angle: 0.0 degrees

## Target Details

Name Relative Amount  
Cd 1  
Te 1  
Density: 6.2 g/cc

## High Dose Considerations

Model: Bucket Saturation  
Ion Solubility: 2 ions/trgt atm  
Density of new phase: 6.2 g/cc

## Results

Broadening 183.36 A  
Amorphous Dose  $8.4 \times 10^{14}$  ions/cm<sup>2</sup>  
Sputtering Yield 4.43  
Erosion Rate 8.89 A/s  
En 217.346 keV  
Ee 282.654 keV  
Range 4176.31 A  
Std Dev 2099.83 A

### Ion Details

Name: S

Energy: 250.0 keV

Fluence: 12.0 ions/cm-2

Current: 100.0 uA/cm-2

Angle: 0.0 degrees

### Target Details

Name Relative Amount

Cd 1

Te 1

Density: 6.2 g/cc

### High Dose Considerations

Model: Bucket Saturation

Ion Solubility: 2 ions/trgt atm

Density of new phase: 6.2 g/cc

### Results

Broadening 181.5 Å

Amorphous Dose  $6.07 \times 10^{14}$  ions/cm<sup>2</sup>

Sputtering Yield 6.44

Erosion Rate 12.91 Å/s

En 143.592 keV

Ee 106.408 keV

Range 2138.72 Å

Std Dev 1316.35 Å