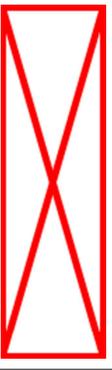


Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 7

Regression Line Through Points = -----
 Dimensions in mm

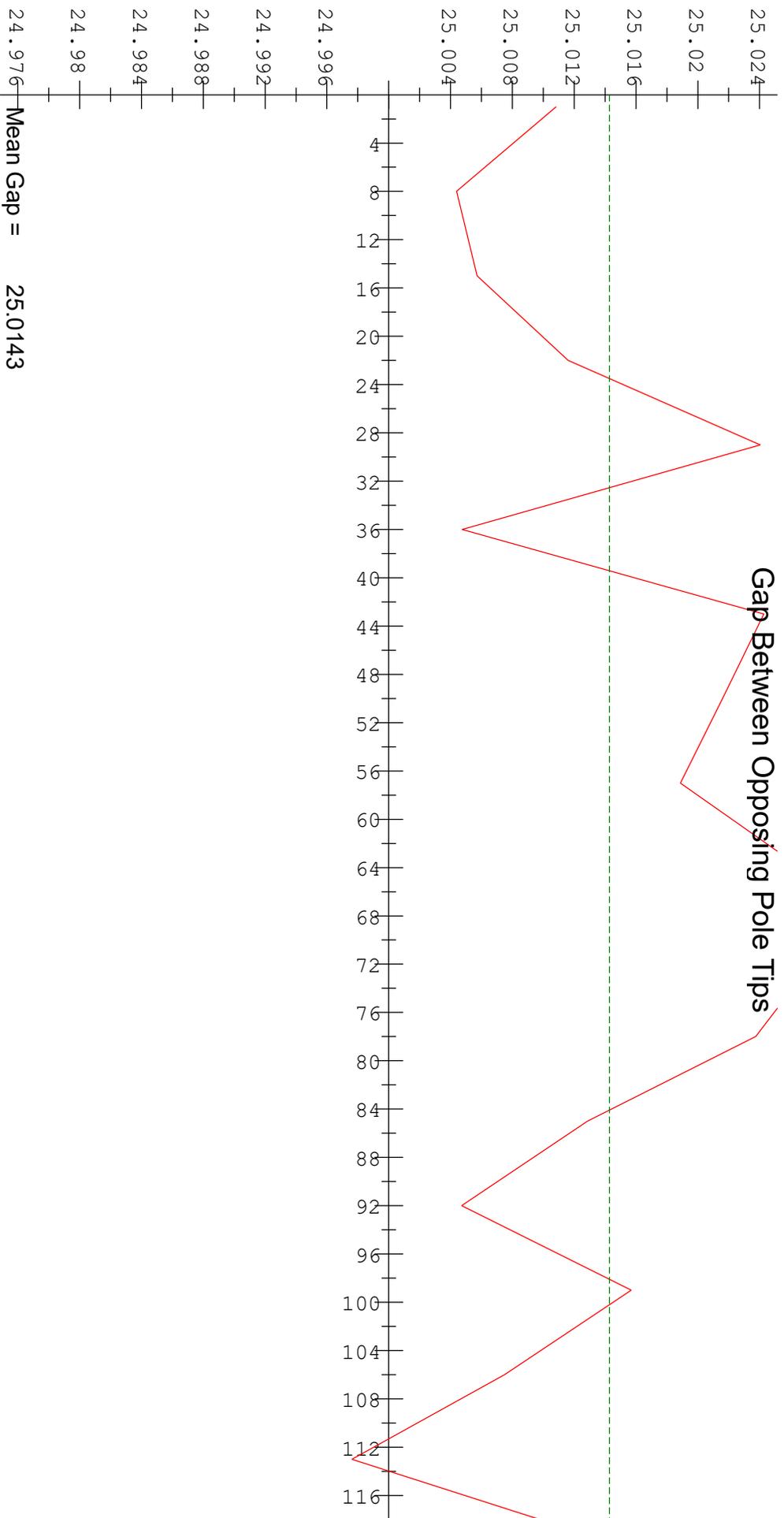


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 25
 Gap Reading = 25.0000
 US Encoder = 25.0000
 Nominal Taper = 0.000
 DS Encoder = 25.0000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 11



Step Between Measured Pole Tips = 7

Dimensions in mm



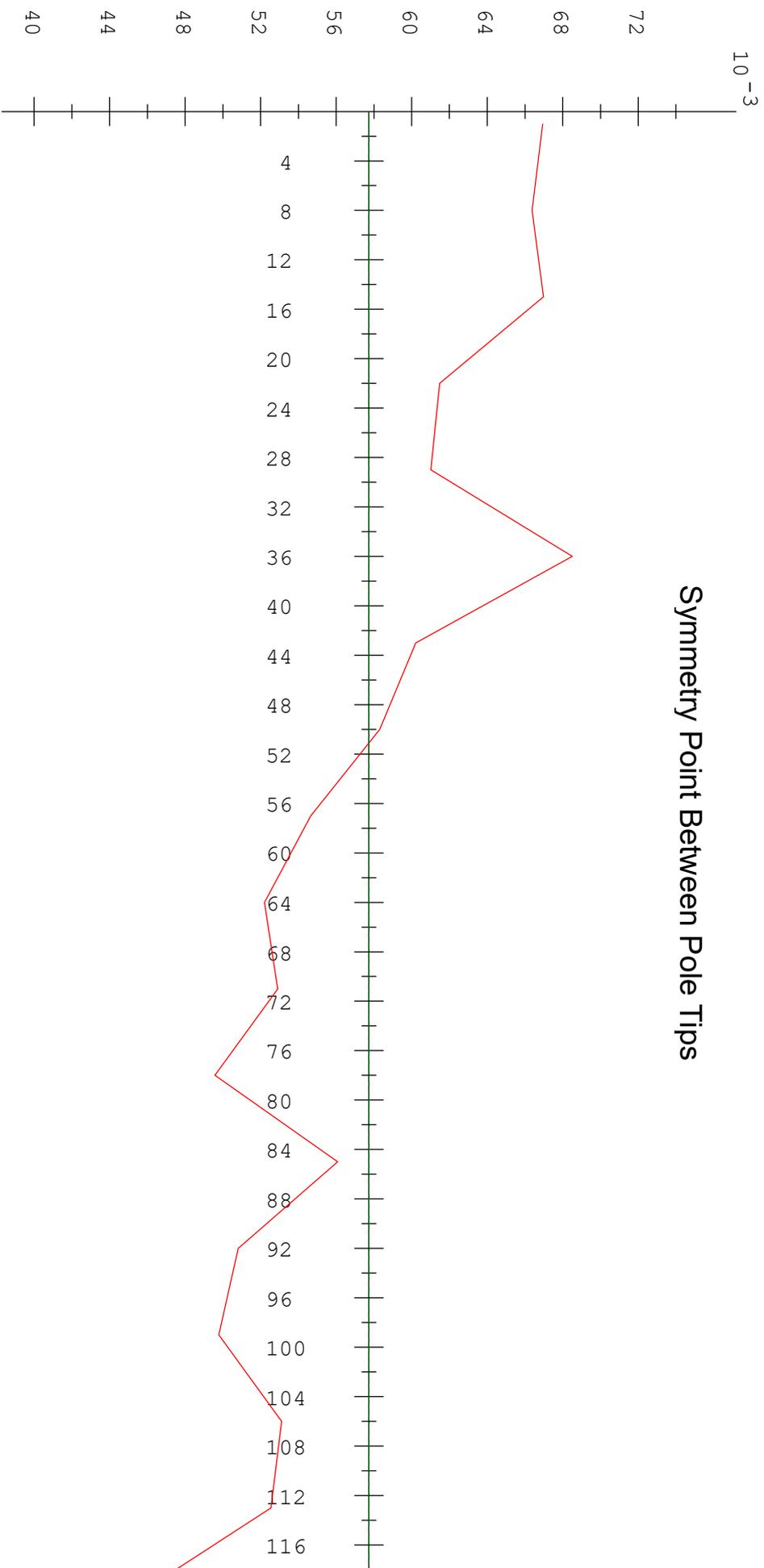
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 25 Nominal Taper = 0.000
 Gap Reading = 25.0000 US Encoder = 25.0000 DS Encoder = 25.0000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 11

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0577

Step Between Measured Pole Tips = 7

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 25 Nominal Taper = 0.000
 Gap Reading = 25.0000 US Encoder = 25.0000 DS Encoder = 25.0000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 11

Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole <i>(Pole -1)</i>	US Actuator <i>(Pole 28)</i>	DS Actuator <i>(Pole 90)</i>	Last Pole <i>(Pole 118)</i>
Top	12.5745	12.5698	12.5591	12.5542
Bottom	-12.4408	-12.4449	-12.4544	-12.4586
Gap	25.0153			25.0128
Taper				-0.0025

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
12.5649	-12.4494	25.0143	0.0577

Additional Calculated Values

Bottom Pole #1 Z Value	974.854
Top Jaw Pitch (mrad)	-0.006
Bottom Jaw Pitch(mrad)	-0.005
Minimum Effective Gap	24.985
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 25 US Encoder = 25.0000 Nominal Taper = 0.000
 Gap Reading = 25.0000 DS Encoder = 25.0000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 11