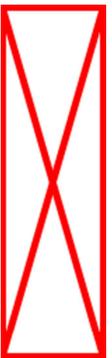


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 7

Regression Line Through Points = 7
Dimensions in mm

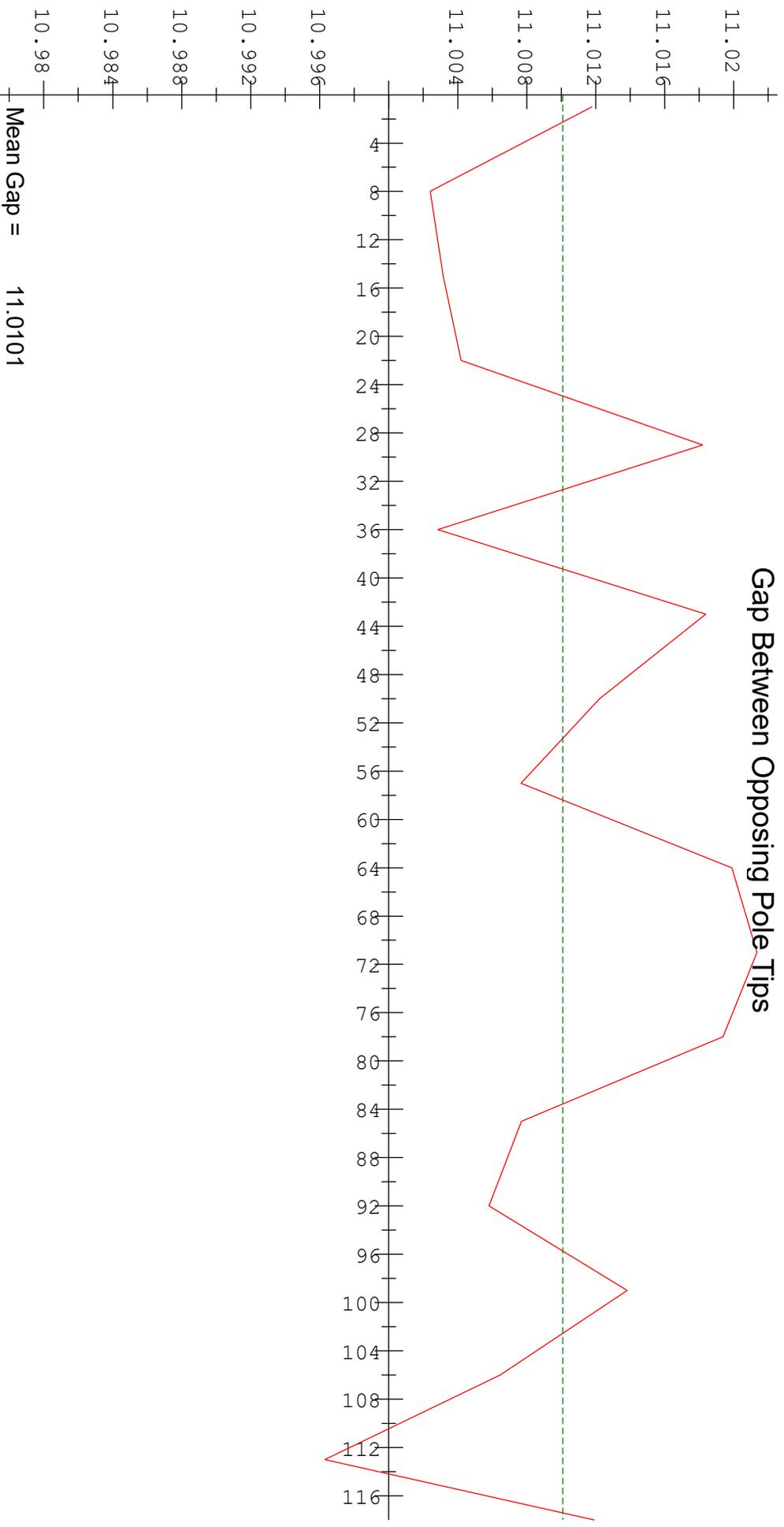


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 11 Nominal Taper = 0.000
Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

29-AUG-2022
S/N = 000
D/S = 0001
Run = 8



Step Between Measured Pole Tips = 7

Dimensions in mm



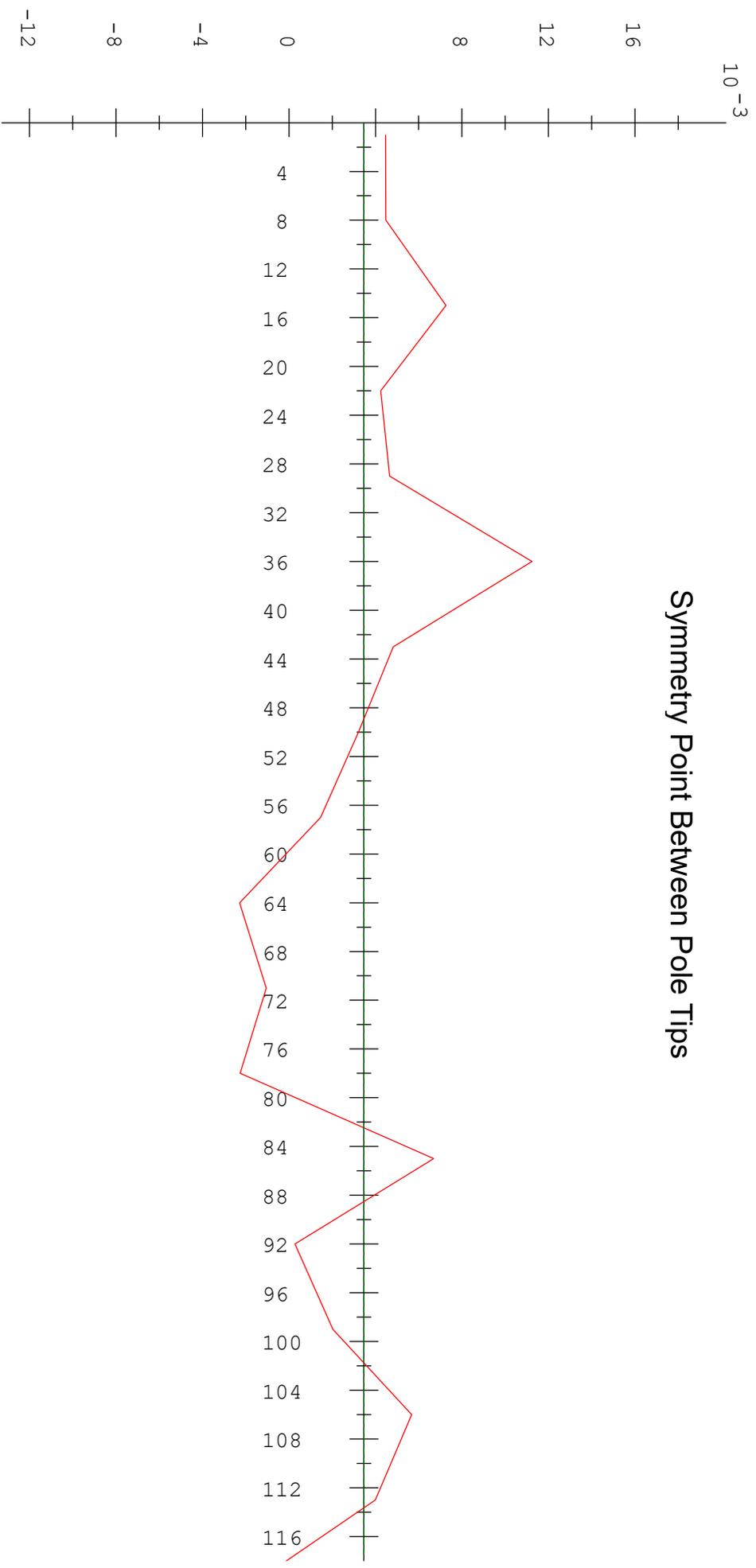
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 11 Nominal Taper = 0.000
 Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 8

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0035

Step Between Measured Pole Tips = 7

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 11 US Encoder = 11.0000
Gap Reading = 11.0000 Nominal Taper = 0.000
DS Encoder = 11.0000

29-AUG-2022
S/N = 000
D/S = 0001
Run = 8

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	5.5105	5.5095	5.5073	5.5063
Bottom	-5.4995	-5.5006	-5.5030	-5.5041
Gap	11.0100			11.0104
Taper				0.0004

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.5085	-5.5016	11.0101	0.0035

Additional Calculated Values

Bottom Pole #1 Z Value	974.854
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	-0.001
Minimum Effective Gap	10.992
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 11 Nominal Taper = 0.000
 Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 8