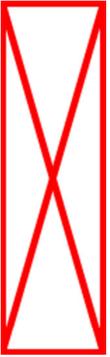


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points = 28
Dimensions in mm



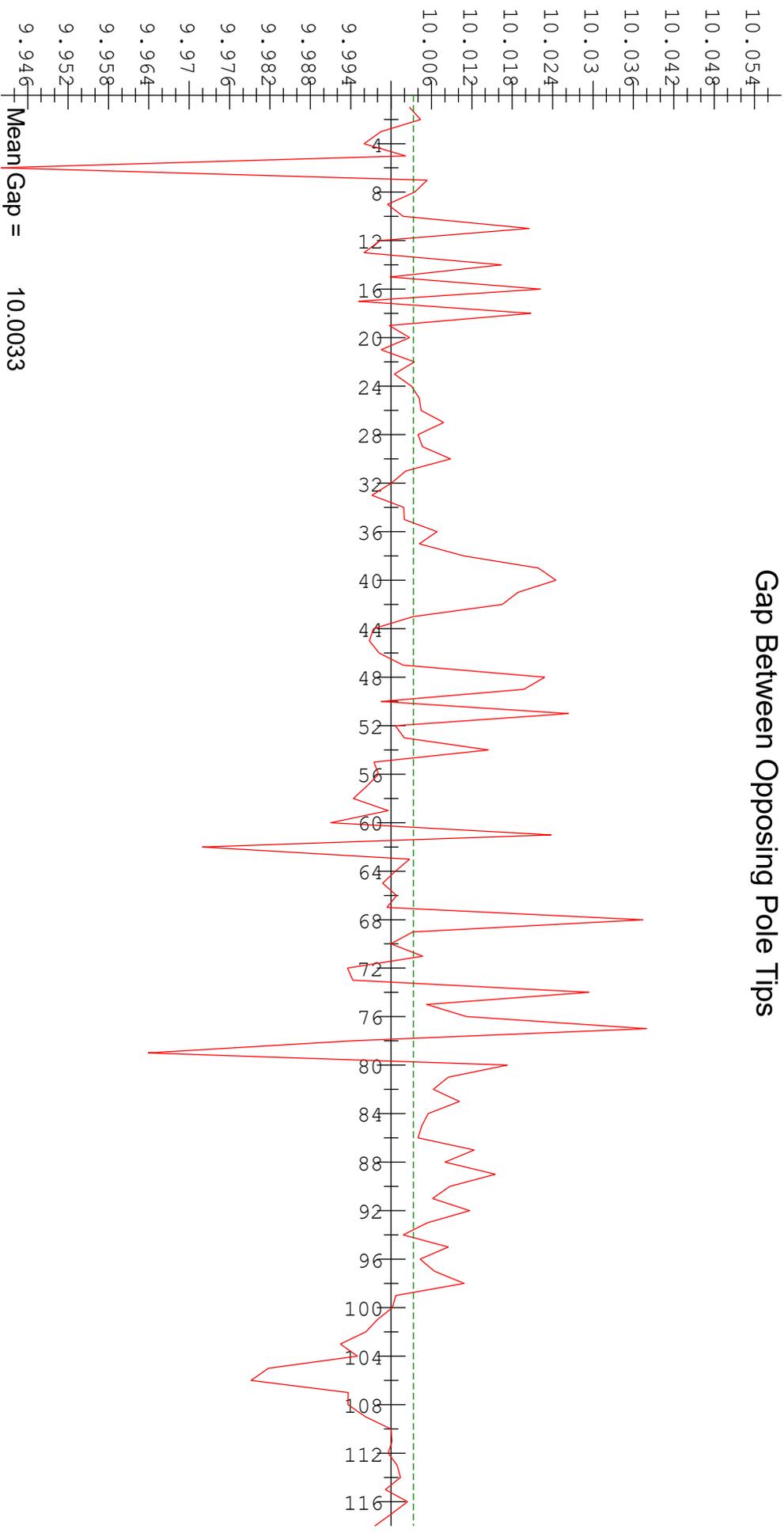
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

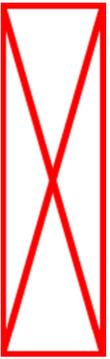
28-JAN-2025
S/N = 029
D/S = 0001
Run = 7

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



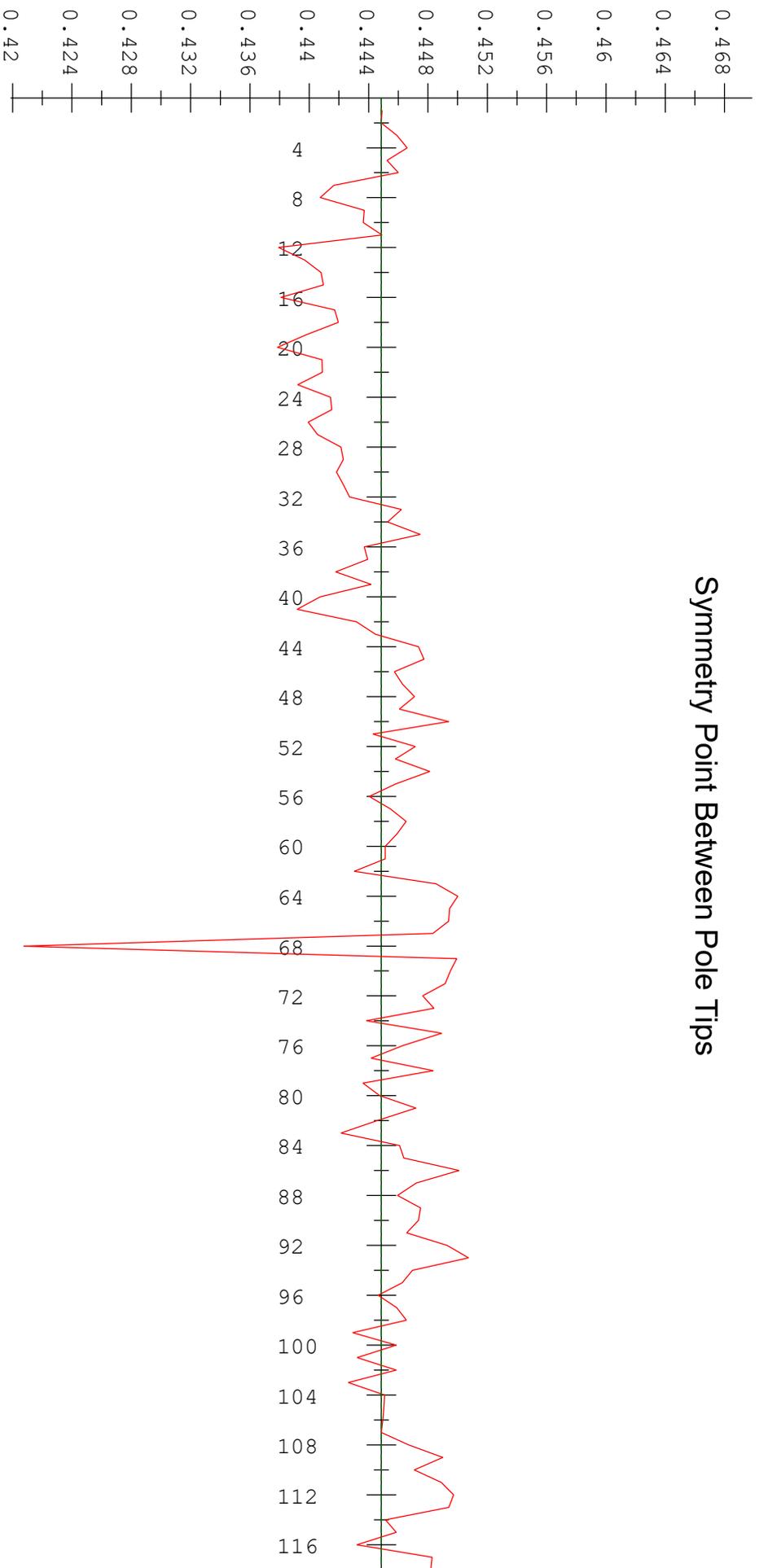
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

28-JAN-2025
S/N = 029
D/S = 0001
Run = 7

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4449

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

28-JAN-2025
S/N = 029
D/S = 0001
Run = 7

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	5.4445	5.4454	5.4476	5.4486
Bottom	-4.5601	-4.5586	-4.5551	-4.5535
Gap	10.0046			10.0020
Taper				-0.0026

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4465	-4.5568	10.0033	0.4449

Additional Calculated Values

Bottom Pole #1 Z Value	978.587
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	9.942
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 US Encoder = 10.0000 Nominal Taper = 0.000
Gap Reading = 10.0000 DS Encoder = 10.0000

28-JAN-2025
S/N = 029
D/S = 0001
Run = 7