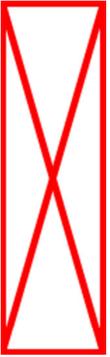


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



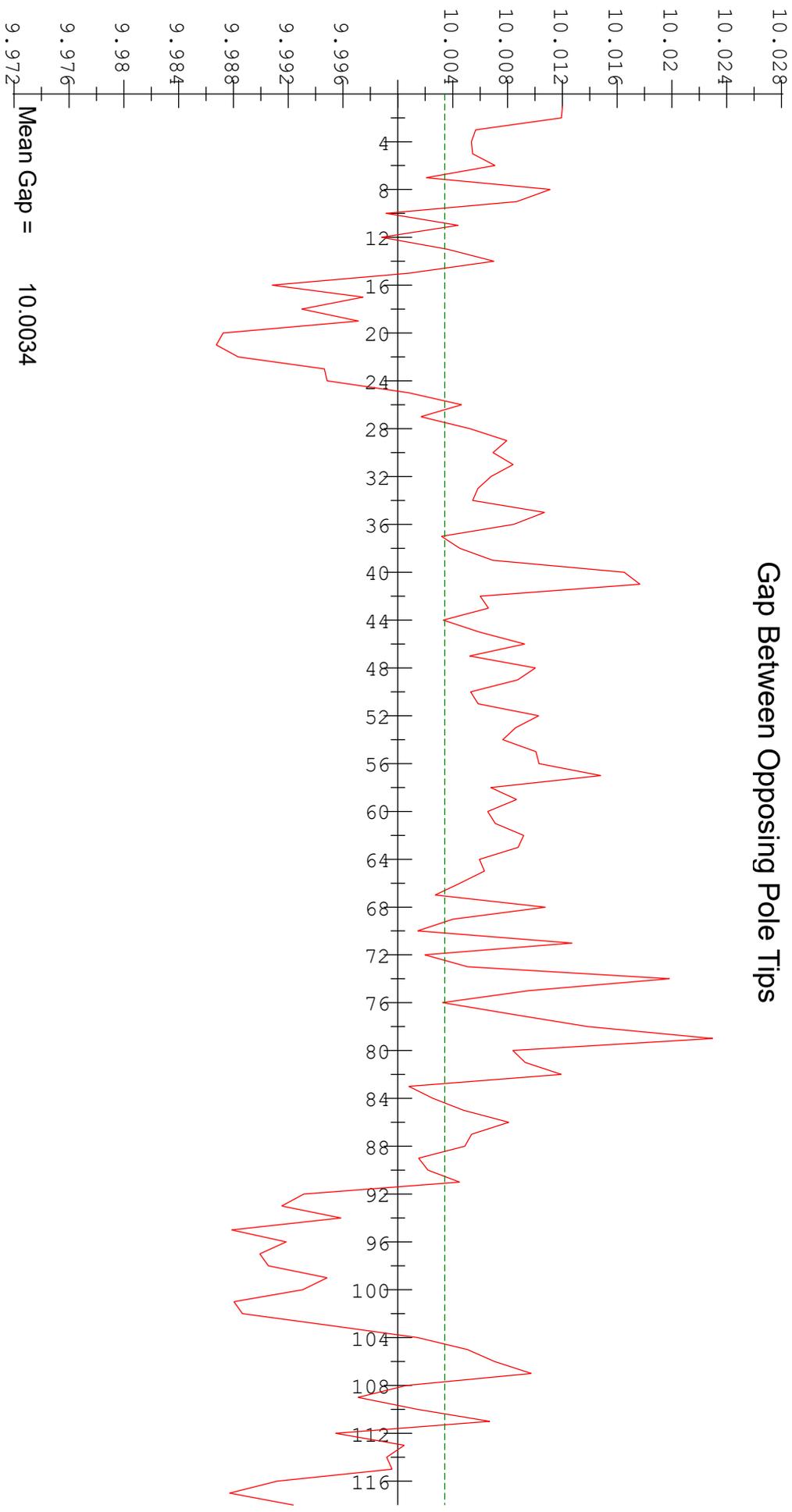
METROLOGY

LCLS II-HE - SXR Undulator

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

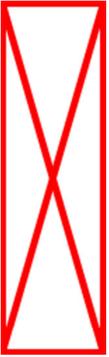
23-SEP-2024
S/N = 024
D/S = 0001
Run = 4

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.0000

US Encoder = 10.0000

Nominal Taper = 0.000

DS Encoder = 10.0000

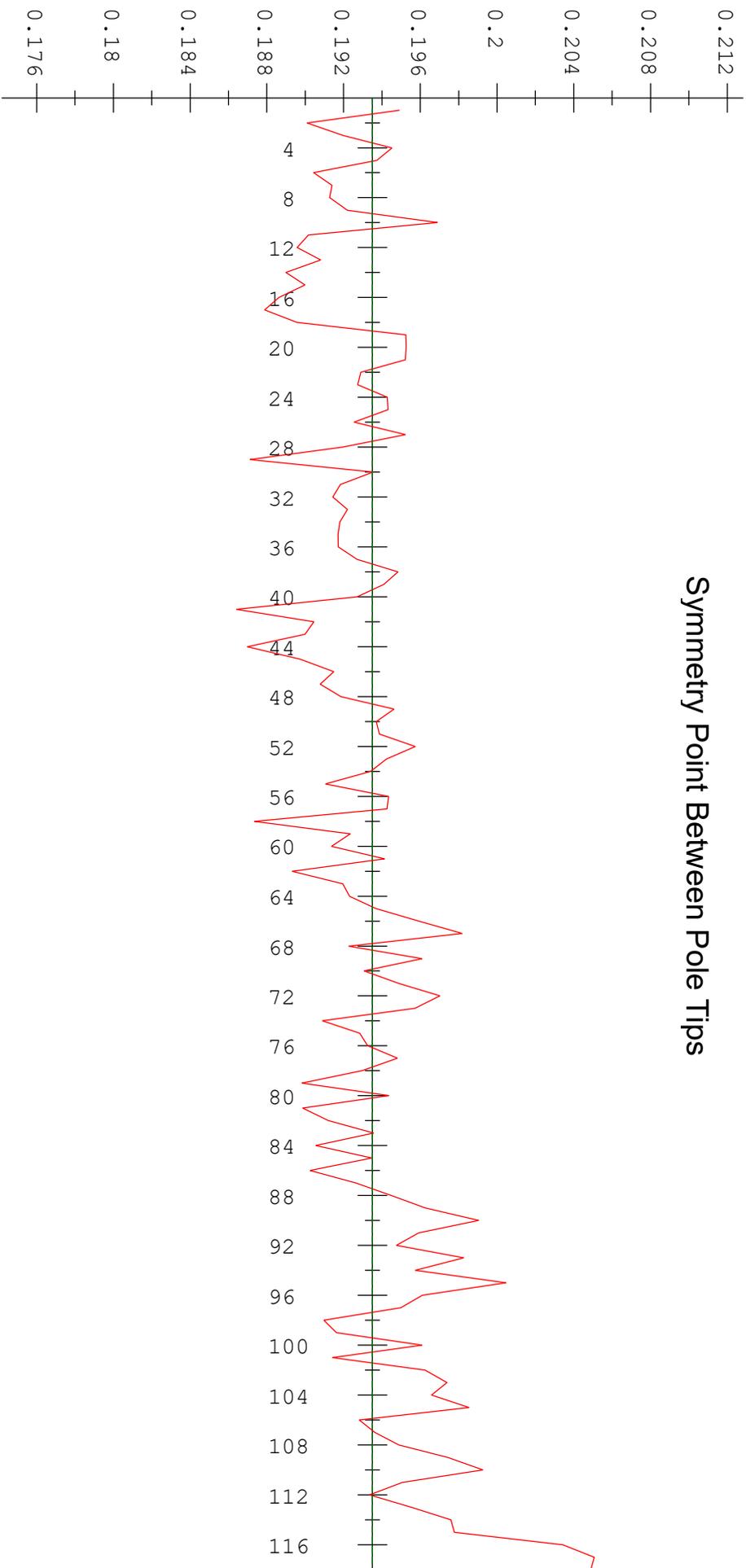
23-SEP-2024

S/N = 024

D/S = 0001

Run = 4

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1935

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

23-SEP-2024
S/N = 024
D/S = 0001
Run = 4

Top and Bottom Jaw Regression Line Intersect Points

	First Pole <i>(Pole -1)</i>	US Actuator <i>(Pole 28)</i>	DS Actuator <i>(Pole 90)</i>	Last Pole <i>(Pole 118)</i>
Jaw				
Top	5.1937	5.1944	5.1960	5.1967
Bottom	-4.8126	-4.8106	-4.8059	-4.8038
Gap	10.0063			10.0006
Taper				-0.0057

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1952	-4.8082	10.0034	0.1935

Additional Calculated Values

Bottom Pole #1 Z Value	978.595
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	0.003
Minimum Effective Gap	9.973
Reference Block Gap	6.799

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

23-SEP-2024
 S/N = 024
 D/S = 0001
 Run = 4