

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

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

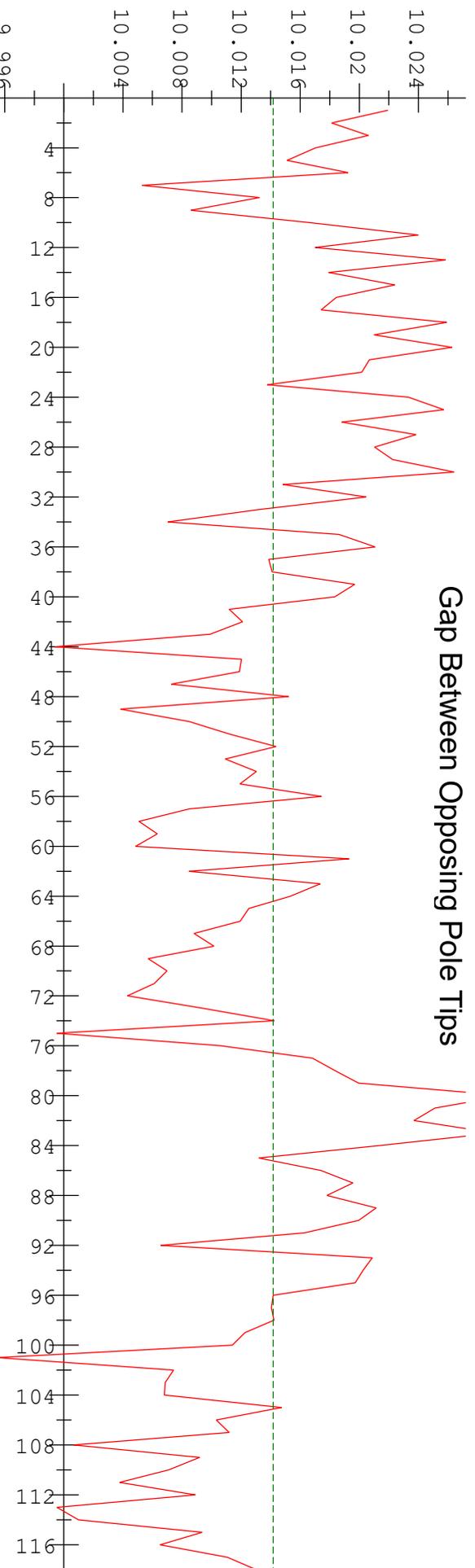


METROLOGY

LCLS II-HE - SXR Undulator

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

17-NOV-2025
S/N = 007
D/S = 0001
Run = 2



Mean Gap = 10.0142

Step Between Measured Pole Tips = 1

Dimensions in mm

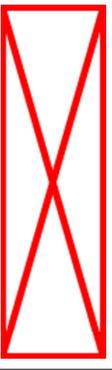
Gap Between Opposing Pole Tips

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

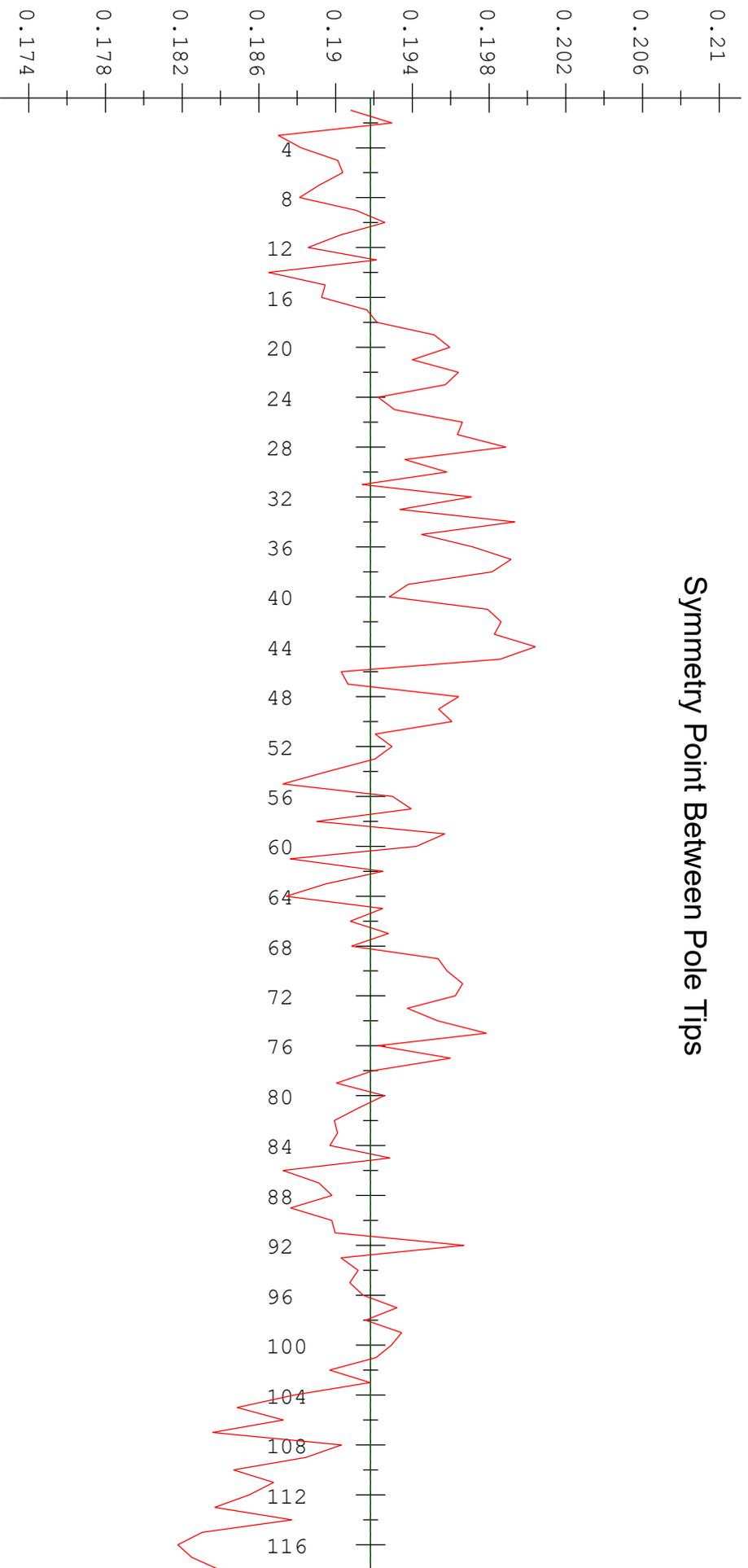
Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

METROLOGY



17-NOV-2025
S/N = 007
D/S = 0001
Run = 2

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1918

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

17-NOV-2025
S/N = 007
D/S = 0001
Run = 2

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	5.2041	5.2017	5.1962	5.1937
Bottom	-4.8149	-4.8150	-4.8155	-4.8157
Gap	10.0189			10.0094
Taper				-0.0095

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1989	-4.8153	10.0142	0.1918

Additional Calculated Values

Bottom Pole #1 Z Value	979.312
Top Jaw Pitch (mrad)	-0.003
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	9.983
Reference Block Gap	6.797

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

17-NOV-2025
 S/N = 007
 D/S = 0001
 Run = 2