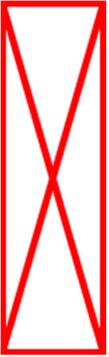


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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

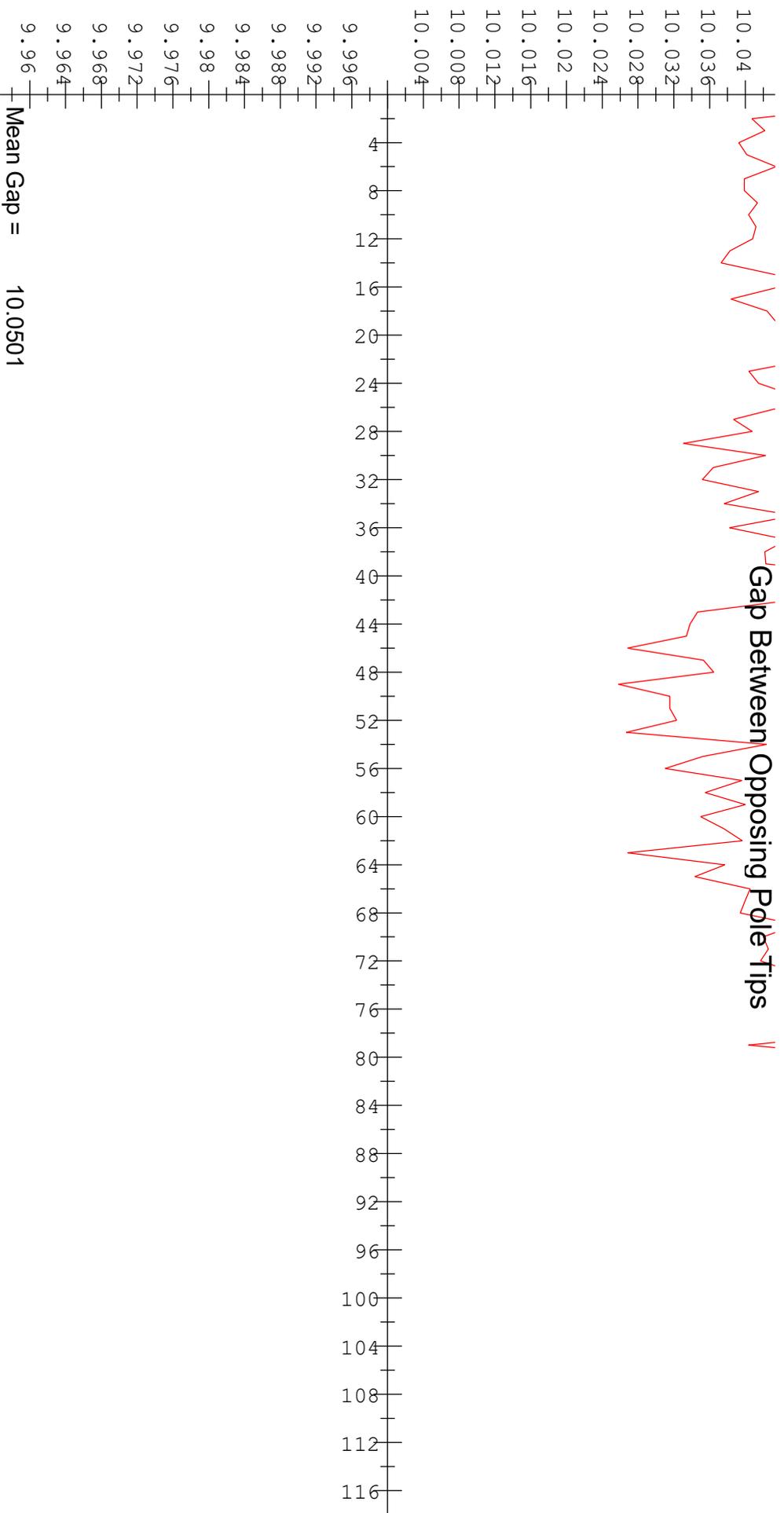


METROLOGY

LCLS II-HE - SXR Undulator

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

21-AUG-2025
S/N = 004
D/S = 0001
Run = 3



Step Between Measured Pole Tips = 1

Dimensions in mm



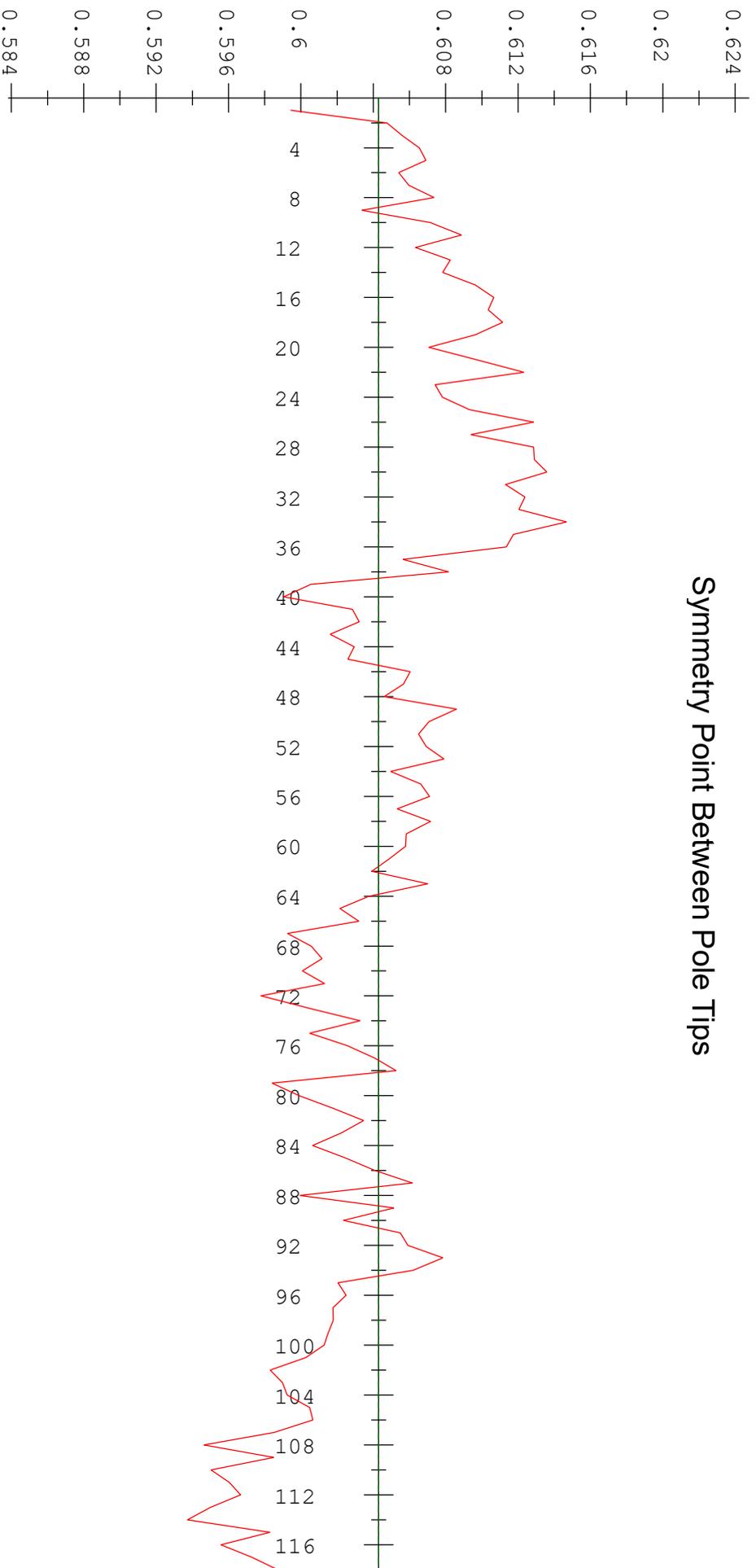
METROLOGY

LCLS II-HE - SXR Undulator

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

21-AUG-2025
 S/N = 004
 D/S = 0001
 Run = 3

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.6043

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

21-AUG-2025
S/N = 004
D/S = 0001
Run = 3

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	5.6246	5.6268	5.6318	5.6341
Bottom	-4.4045	-4.4120	-4.4292	-4.4369
Gap	10.0291			10.0710
Taper				0.0419

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.6293	-4.4207	10.0501	0.6043

Additional Calculated Values

Bottom Pole #1 Z Value	978.855
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	-0.010
Minimum Effective Gap	10.022
Reference Block Gap	6.795

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

21-AUG-2025
 S/N = 004
 D/S = 0001
 Run = 3