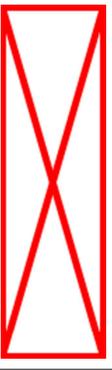


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points = 4
Dimensions in mm

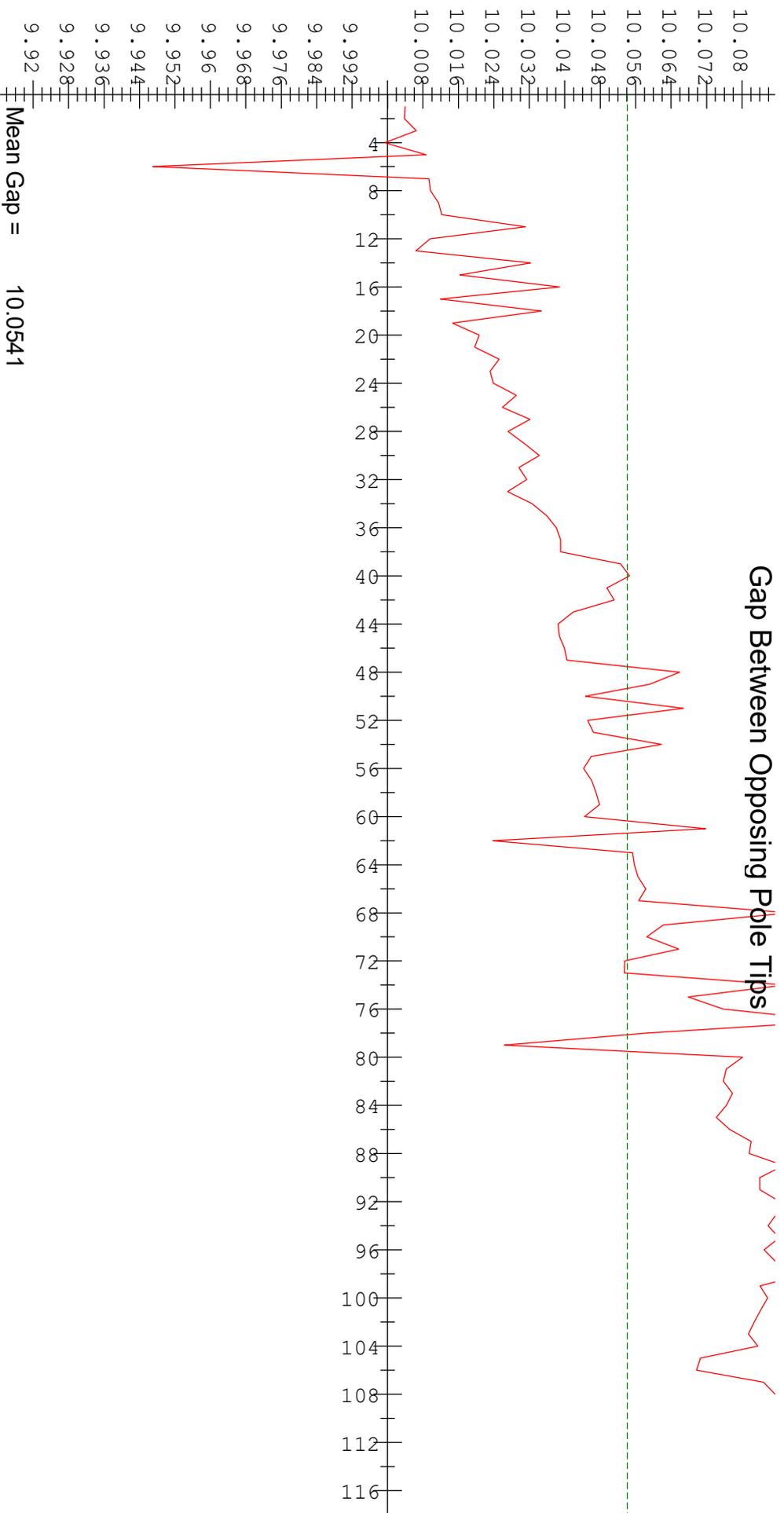


METROLOGY

LCLS II-HE - SXR Undulator

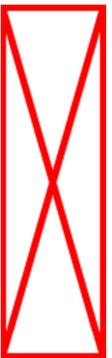
Nominal Gap = 10 Nominal Taper = 0.100
Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

28-JAN-2025
S/N = 029
D/S = 0001
Run = 4



Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

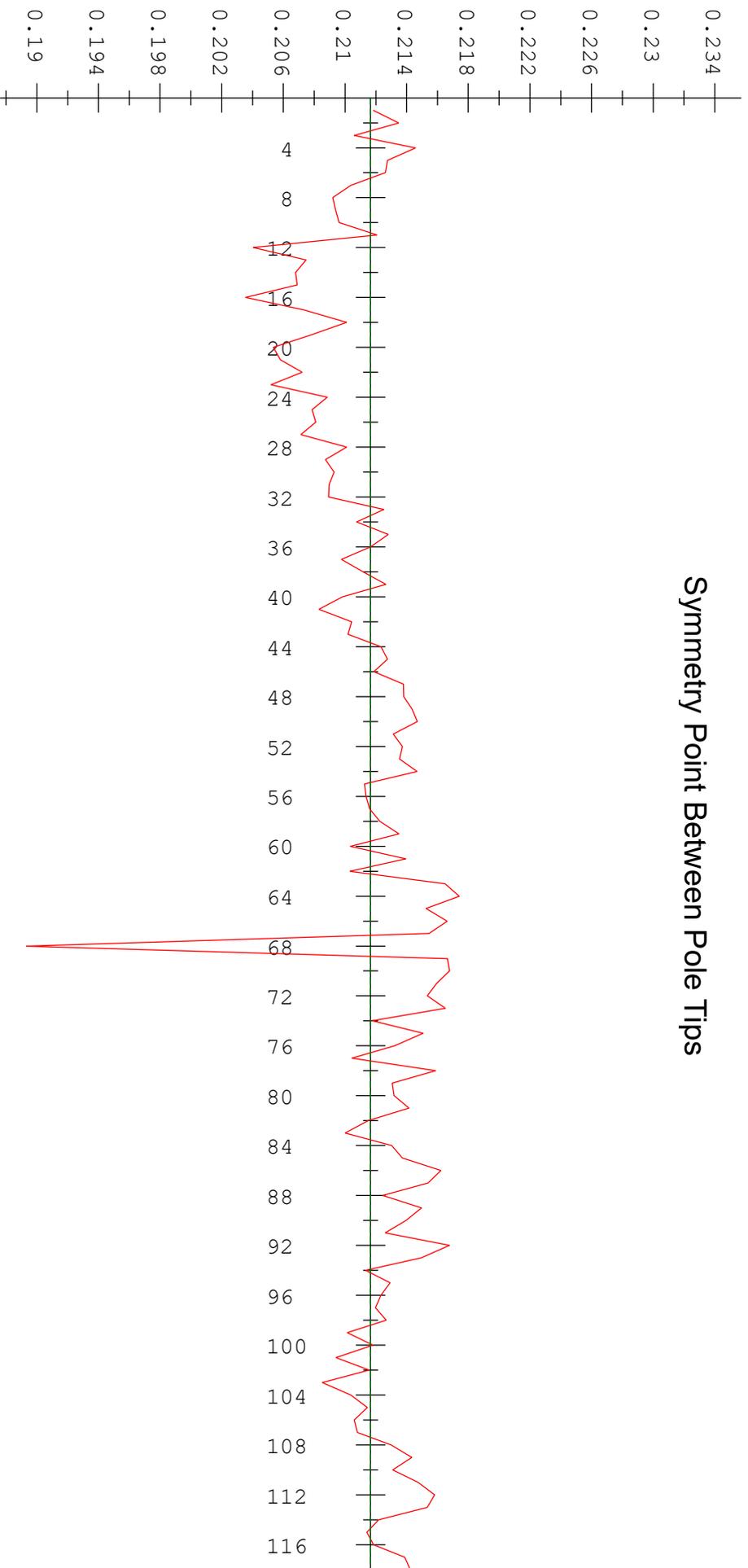
28-JAN-2025

S/N = 029

D/S = 0001

Run = 4

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2117

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100
Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

28-JAN-2025
S/N = 029
D/S = 0001
Run = 4

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	5.2126	5.2247	5.2523	5.2648
Bottom	-4.7940	-4.8039	-4.8265	-4.8368
Gap	10.0066			10.1016
Taper				0.0949

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2387	-4.8154	10.0541	0.2117

Additional Calculated Values

Bottom Pole #1 Z Value	978.587
Top Jaw Pitch (mrad)	0.016
Bottom Jaw Pitch(mrad)	-0.013
Minimum Effective Gap	9.947
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100
 Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

28-JAN-2025
 S/N = 029
 D/S = 0001
 Run = 4