

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

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

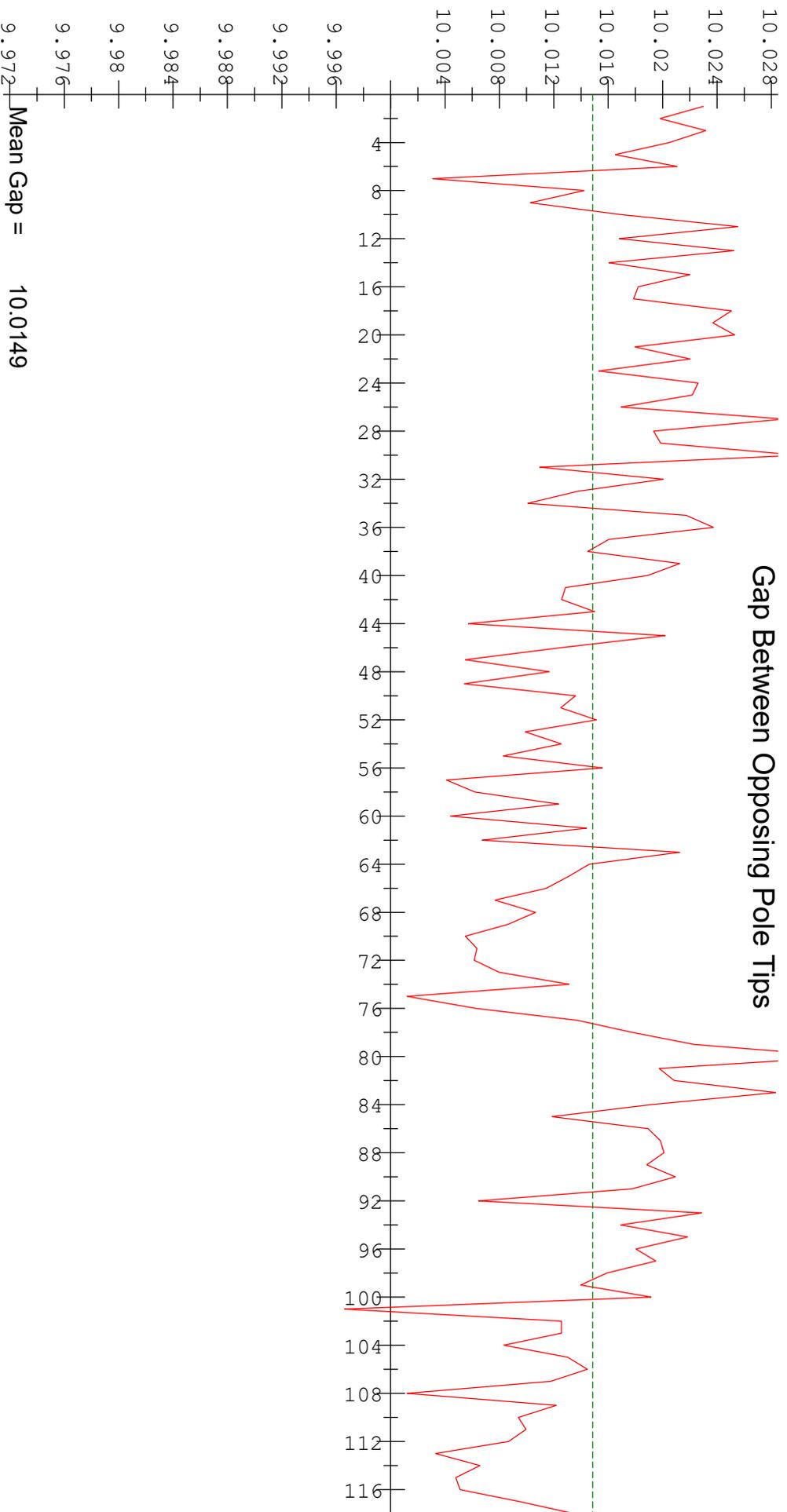


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0004 US Encoder = 10.0003 DS Encoder = 10.0005

18-NOV-2025
S/N = 007
D/S = 0001
Run = 3



Step Between Measured Pole Tips = 1

Dimensions in mm



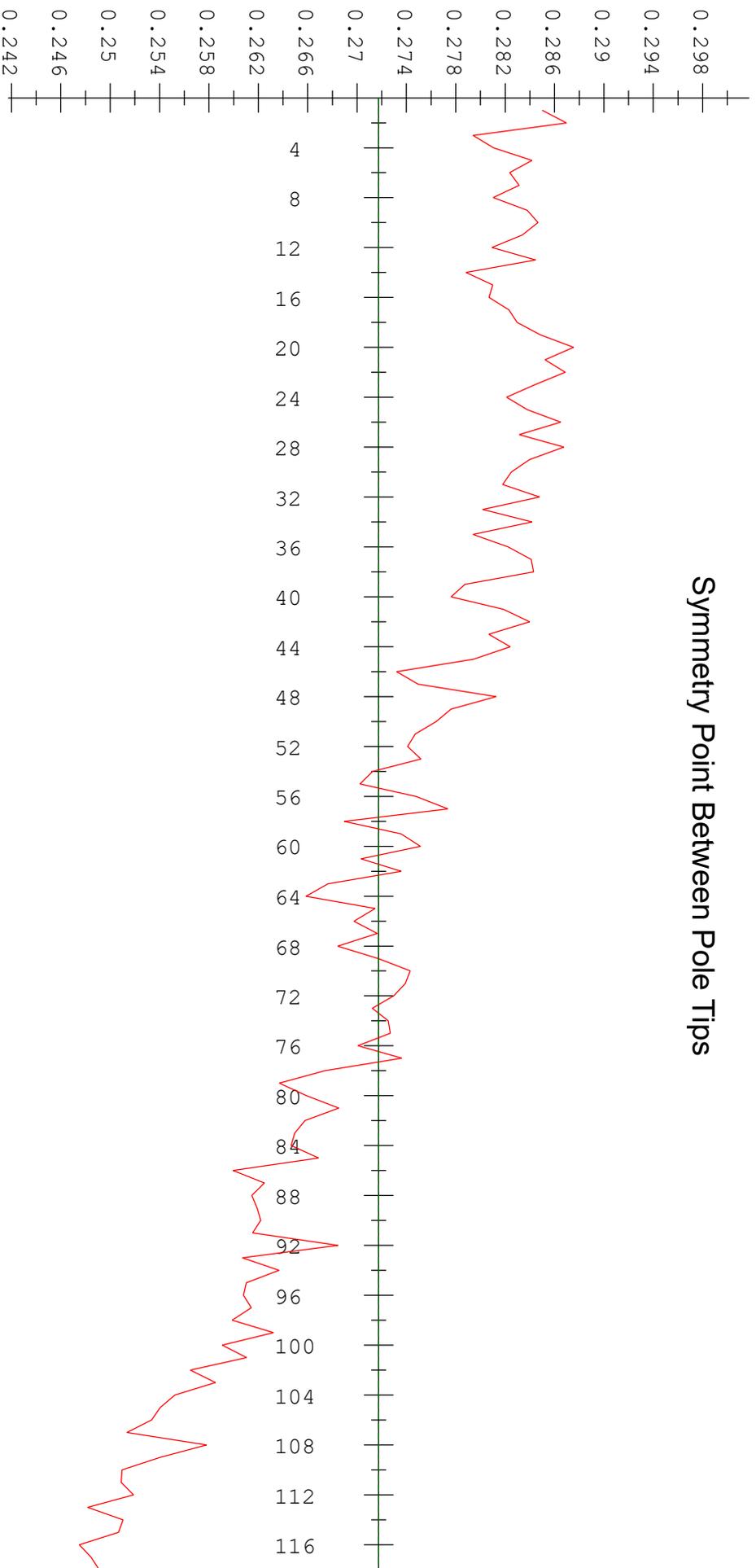
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2717

Step Between Measured Pole Tips = 1

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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	5.2994	5.2901	5.2686	5.2589
Bottom	-4.7198	-4.7271	-4.7440	-4.7516
Gap	10.0192			10.0105
Taper				-0.0087

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2792	-4.7357	10.0149	0.2717

Additional Calculated Values

Bottom Pole #1 Z Value	979.312
Top Jaw Pitch (mrad)	-0.012
Bottom Jaw Pitch(mrad)	-0.010
Minimum Effective Gap	9.968
Reference Block Gap	6.797

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