

August 14th, 2025

q parameters interpolated from SQZT7 data (aLog 85775 and 85917)

All q parameters are placed immediately after ZM5 (i.e. beam travels to ZM6 next).

Fitted q Parameters for Various ZM4/5 Strain Gauge Values

ZM4 SG (V)	ZM5 SG (V)	q (Hori., 13.5%)*	q (Vert., 13.5%)*
2.35	-5.4	-2.96704 + 0.7160i	-2.85954 + 0.8215i
2.28	-0.4	-3.73894 + 1.5543i	-3.35024 + 1.4832i
2.31	2.31	-4.05934 + 1.9275i	-2.94464 + 1.4443i
6	-5.47	-3.06214 + 0.7789i	-2.96354 + 0.8649i
6	-0.4	-4.03404 + 1.5949i	-3.70274 + 1.7315i
6	2.36	-4.77894 + 2.2141i	-4.00184 + 2.3950i
10	-5.47	-3.27574 + 0.7616i	-3.13944 + 0.8585i
9.83	-0.4	-4.45914 + 1.6898i	-4.06884 + 1.8233i
10	2.37	-5.44974 + 2.3701i	-4.93474 + 2.8061i
6	0.78	-4.45994 + 1.9563i	-3.90964 + 2.1139i

*Hori/Vert imply the q parameter was found using the horizontal/vertical beam width data respectively.