

# Units of the Sensitivity Coefficients

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# Units of the Sensitivity Coefficients

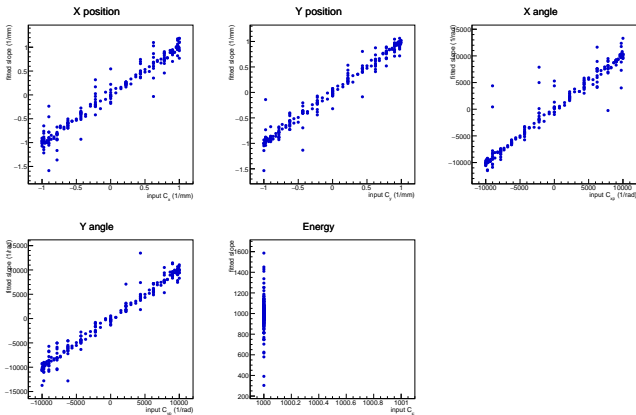
- japan-MOLLER quartz tiles map

IName	NormRate (Hz/uA)	VoltPerHz	Asym	C_x	C_y	C_xp	C_yp	C_e
TQ01_R1	110923	2.120e-07	0.0001	1.000000	0.000000	10000.000	0.000	1000.0000
TQ01_R2	1144615	4.120e-08	0.0001	1.000000	0.000000	10001.000	0.000	1000.0000
TQ01_R3	756923	4.120e-08	0.0001	1.000000	0.000000	10002.000	0.000	1000.0000
TQ01_R4	2553846	1.140e-08	0.0001	1.000000	0.000000	10003.000	0.000	1000.0000
TQ01_R5C	20307692	8.420e-10	0.0001	1.000000	0.000000	10001.000	0.000	1000.0000
TQ01_R5L	17230769	2.530e-09	0.0001	0.997204	-0.074730	9972.038	-747.376	1000.0000
TQ01_R5R	17076923	2.530e-09	0.0001	0.997204	0.074730	9974.032	747.525	1000.0000
TQ01_R6	4169230	1.140e-08	0.0001	1.000000	0.000000	10004.000	0.000	1000.0000
TQ02_R1	375384	4.120e-08	0.0001	0.974928	0.222521	9749.279	2225.432	1000.0000
TQ02_R2	6030769	2.530e-09	0.0001	0.974928	0.222521	9750.254	2225.654	1000.0000
TQ02_R3	3569230	1.140e-08	0.0001	0.974928	0.222521	9751.229	2225.877	1000.0000
TQ02_R4	4230769	1.140e-08	0.0001	0.974928	0.222521	9752.204	2226.099	1000.0000
TQ02_R5C	18615384	8.420e-10	0.0001	0.974928	0.222521	9750.254	2225.654	1000.0000
TQ02_R5L	15538461	2.530e-09	0.0001	0.988831	0.149042	9888.308	1490.572	1000.0000
TQ02_R5R	26307692	8.420e-10	0.0001	0.955573	0.294755	9557.639	2948.436	1000.0000
TQ02_R6	11292307	2.530e-09	0.0001	0.974928	0.222521	9753.179	2226.322	1000.0000

- each  $C_i$  is fractional rate change per unit of its beam parameter (1/mm, 1/rad), for  $C_e$  that beam parameter is  $\Delta E/E$ , so  $C_e$  is dimensionless.

# input $C_i$ vs regression slope, original map

- used /Parity/prminput/mock\_parameters\_thinqtz.map
- generated 20000 events with qwmockdatagenerator
- using slopes from blueR4new.slope.root, plot input sensitivity coefficients vs regression slopes for quartz tiles.



# input $C_i$ vs regression slope

- used /Parity/prminput/mock\_parameters\_thinqtz\_remoll.map
- generated 20000 events with qwmockdatagenerator
- using slopes from blueR4new.slope.root, plot input sensitivity coefficients vs regression slopes for quartz tiles.

