

Table 1: Field harmonics from ERHIC-PMQ\_1501\_0002\_001 at R=25mm. The nominal magnet length is 133.3mm and the average field corresponds to -11.6807 T/m.

Field harmonic	Normal units	Skew units
Dipole	-0.00	0.00
Quadrupole	10000.00	0.00
Sextupole	-1.41	-0.58
Octupole	0.26	0.14
Decapole	0.45	1.67
Dodecapole	-2.13	-1.03
14-pole	0.21	-0.27
16-pole	-0.11	0.02
18-pole	-0.15	-0.14
20-pole	-0.06	-0.29
22-pole	-0.02	-0.12
24-pole	0.08	-0.07
26-pole	0.11	0.04
28-pole	0.02	0.06
30-pole	-0.01	0.03
32-pole	-0.02	0.00
34-pole	-0.01	0.03
36-pole	0.36	0.02
38-pole	-0.10	-0.02
40-pole	0.00	0.00