

Table 1: Field harmonics from ERHIC-PMQ\_0501\_0003\_001 at R=10mm. The nominal magnet length is 57.4412mm and the average field corresponds to 23.6203 T/m.

Field harmonic	Normal units	Skew units
Dipole	-0.00	0.00
Quadrupole	10000.00	0.00
Sextupole	-0.71	0.34
Octupole	1.15	0.79
Decapole	0.11	-0.52
Dodecapole	-0.15	0.15
14-pole	0.04	0.02
16-pole	-0.01	-0.00
18-pole	-0.00	0.00
20-pole	0.00	0.00
22-pole	-0.00	-0.00
24-pole	-0.00	0.00
26-pole	-0.00	-0.00
28-pole	-0.00	0.00
30-pole	0.00	-0.00
32-pole	0.00	0.00
34-pole	0.00	-0.00
36-pole	0.00	-0.00
38-pole	-0.00	-0.00
40-pole	-0.00	0.00