

Table 1: Field harmonics from ERHIC-PMQ\_1304\_0003\_001 at R=25mm. The nominal magnet length is 121.7mm and the average field corresponds to 11.1303 T/m.

Field harmonic	Normal units	Skew units
Dipole	-11032.35	0.00
Quadrupole	10000.00	-0.00
Sextupole	5.45	3.85
Octupole	-5.29	-1.86
Decapole	1.05	1.42
Dodecapole	-0.42	0.88
14-pole	0.96	0.99
16-pole	-0.78	-0.53
18-pole	-0.31	-0.27
20-pole	0.34	0.24
22-pole	0.28	-0.03
24-pole	-0.07	0.01
26-pole	-0.11	-0.09
28-pole	0.05	-0.11
30-pole	0.05	0.00
32-pole	-0.00	0.02
34-pole	-0.06	-0.03
36-pole	0.14	-0.01
38-pole	0.06	0.08
40-pole	0.01	-0.06