Quadrupole Strength Requirement for RHIC88 Lattice

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Table 1. Quadrupole strength(m^-1) requirement for the beta* variation
         QF=.09951   QD= .09965

BETA(m)	3	4	5	6	7	8	9	10
G1I(F)	.10166	.10037	.09387	.09222	.08842	.07864	.07801	.07742.
G2I(D)	.16115	.15894	.15426	.15036	.14579	.13916	.13739	.13594
G3I(F)	.07411	.07373	.07475	.07373	.07347	.07490	.07448	.07408
G4I(D)	.08038	.09615	.10310	.10521	.10651	.10749	.10876	.10929
G5I(F)	.08577	.09636	.10221	.10815	.11166	.11278	.11502	.11648
G6I(D)	.09631	.10783	.11607	.12773	.13587	.13952	.14103	.14176
G7I(F)	.12253	.11644	.11422	.11427	.11415	.11530	.11379	.11295
G8I(D)	.10705	.10507	.10413	.10354	.10314	.10404	.10299	.10294
G9I(F)	.08437	.08438	.08396	.08351	.08323	.08346	.08288	.08288
G1O(D)	.10161	.10042	.09389	.09220	.08833	.07863	.07729	.07646
G2O(F)	.16110	.15906	.15437	.15037	.14588	.13916	.13778	.13678
G3O(D)	.07409	.07374	.07478	.07379	.07355	.07494	.07461	.07395
G4O(F)	.08030	.09602	.10313	.10522	.10655	.10749	.10900	.10988
G5O(D)	.08564	.09635	.10230	.10831	.11175	.11295	.11410	.11440
G6O(F)	.09607	.10715	.11552	.12770	.13536	.13956	.13787	.13597
G7O(D)	.12248	.11653	.11433	.11415	.11437	.11522	.11446	.11427
G8O(F)	.10708	.10514	.10421	.10351	.10325	.10401	.10358	.10387
G9O(D)	.08458	.08456	.08404	.08338	.08333	.08333	.08455	.08689

Table 2. Quadrupole strength(m^-1) requirement for TUNE variation

Q=	29.1217	28.826	28.3162	27.8457
mux=	.2565	.25445	.2505	.2465
GF	.10015	.09951	.09831	.09707
GD	.10028	.09965	.09844	.09720
G1I(F)	.09219	.09222	.09210	.09225
G2I(D)	.15023	.15036	.15080	.15106
G3I(F)	.07404	.07373	.07341	.07292
G4I(D)	.10517	.10521	.10566	.10618
G5I(F)	.11056	.10815	.10524	.10401
G6I(D)	.12952	.12773	.12371	.12107
G7I(F)	.11778	.11427	.10826	.10308
G8I(D)	.10480	.10354	.10128	.09904
G9I(F)	.08348	.08351	.08333	.08291
G1O(D)	.09215	.09220	.09214	.09223
G2O(F)	.15016	.15037	.15078	.15106
G3O(D)	.07399	.07379	.07338	.07292
G4O(F)	.10507	.10522	.10552	.10605
G5O(D)	.11055	.10831	.10527	.10400
G6O(F)	.12938	.12770	.12363	.12072
G7O(D)	.11783	.11415	.10823	.10317
G8O(F)	.10487	.10351	.10133	.09916
G9O(D)	.08358	.08338	.08327	.08303