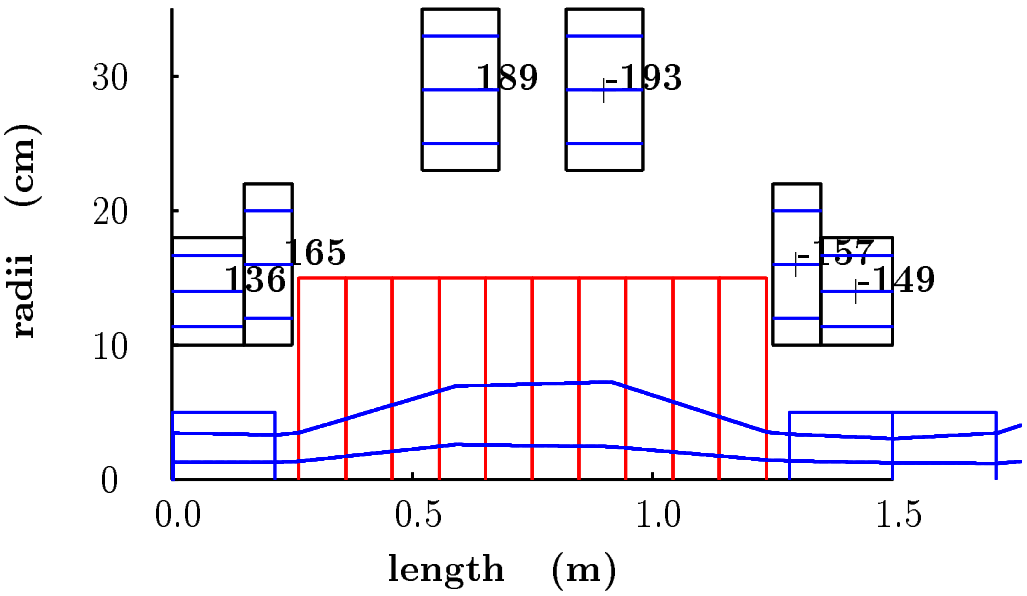
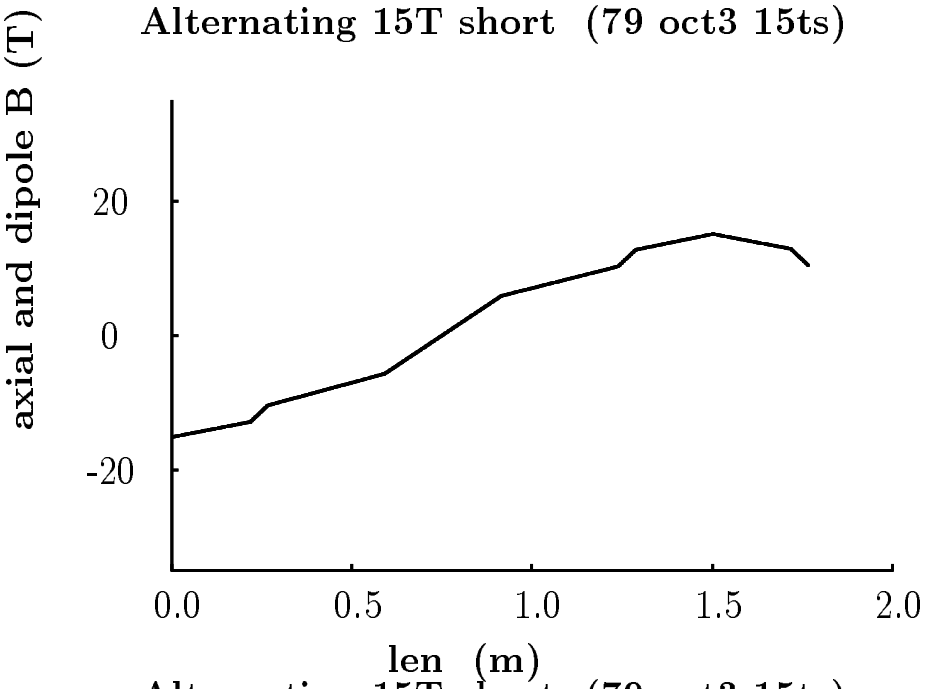
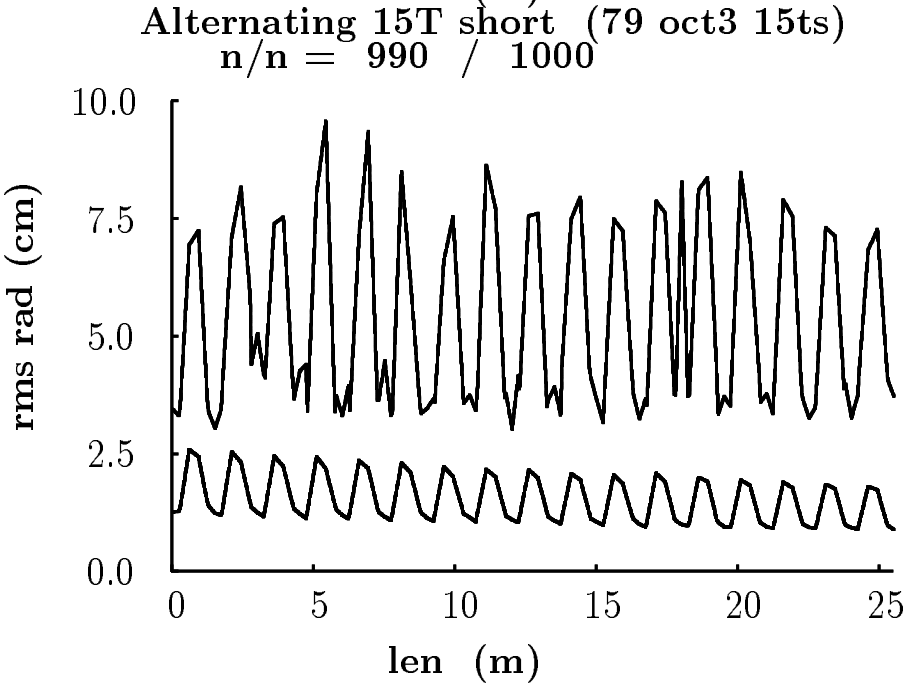
Corrected table of 15T short

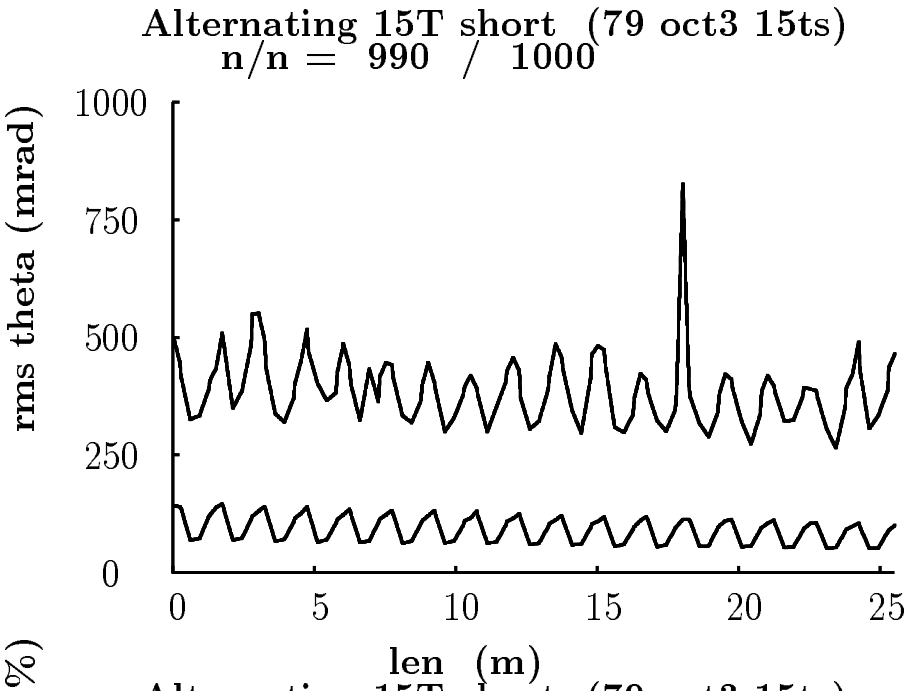
len1	dl	rad	dr	I/A
m	m	m	m	A/mm^2
0.000	0.150	0.100	0.080	136.48
0.150	0.100	0.100	0.120	165.75
0.520	0.160	0.230	0.120	189.70
0.820	0.160	0.230	0.120	-193.68
1.250	0.100	0.100	0.120	-157.30
1.350	0.150	0.100	0.080	-149.63

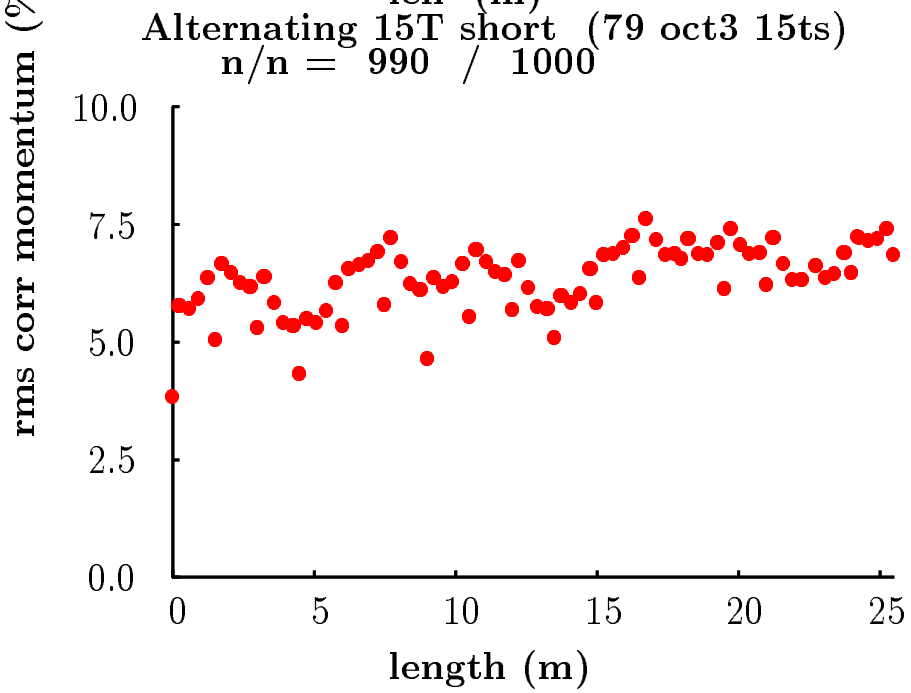
Corrected figure of 15T short

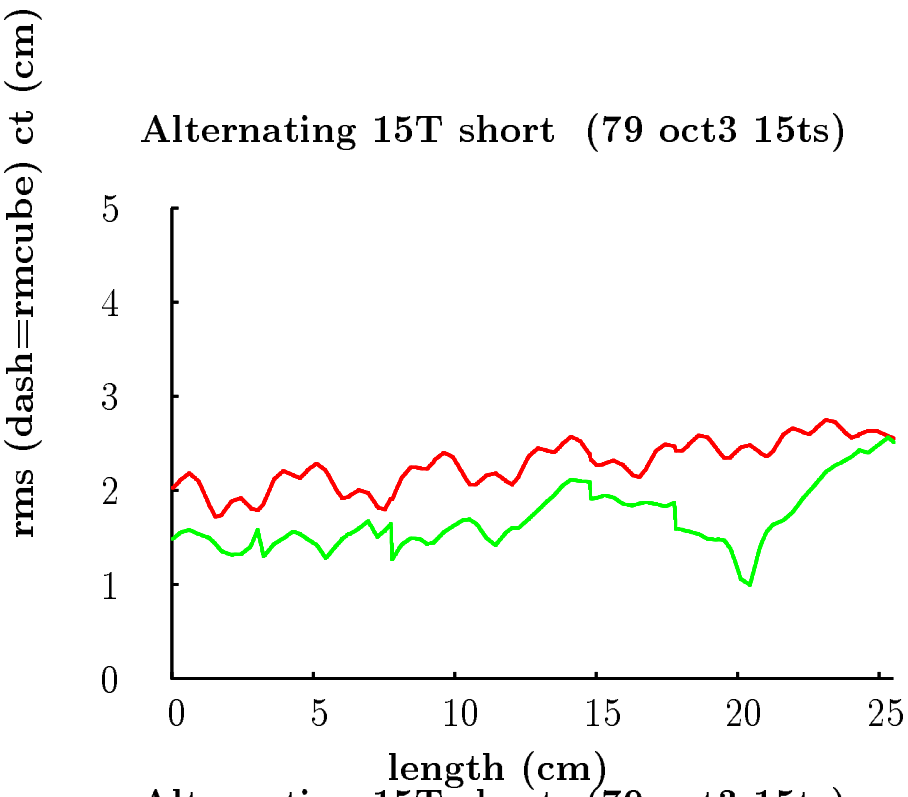


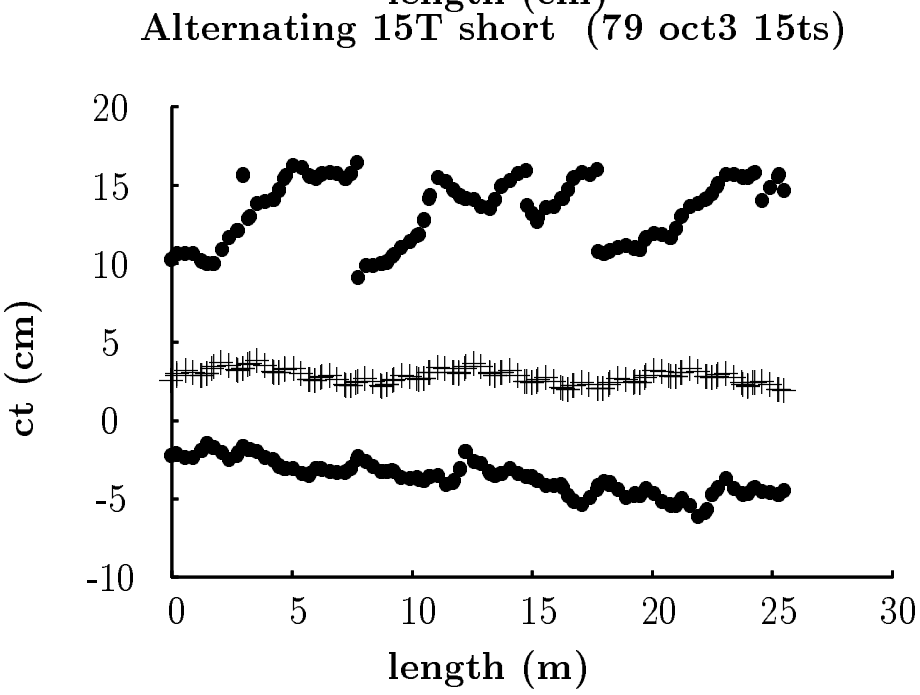

Alternating 15T short (79 oct3 15ts)
axial and dipole B (T)
20
0
-20
0.0
0.5
1.0
1.5
2.0
len (m)

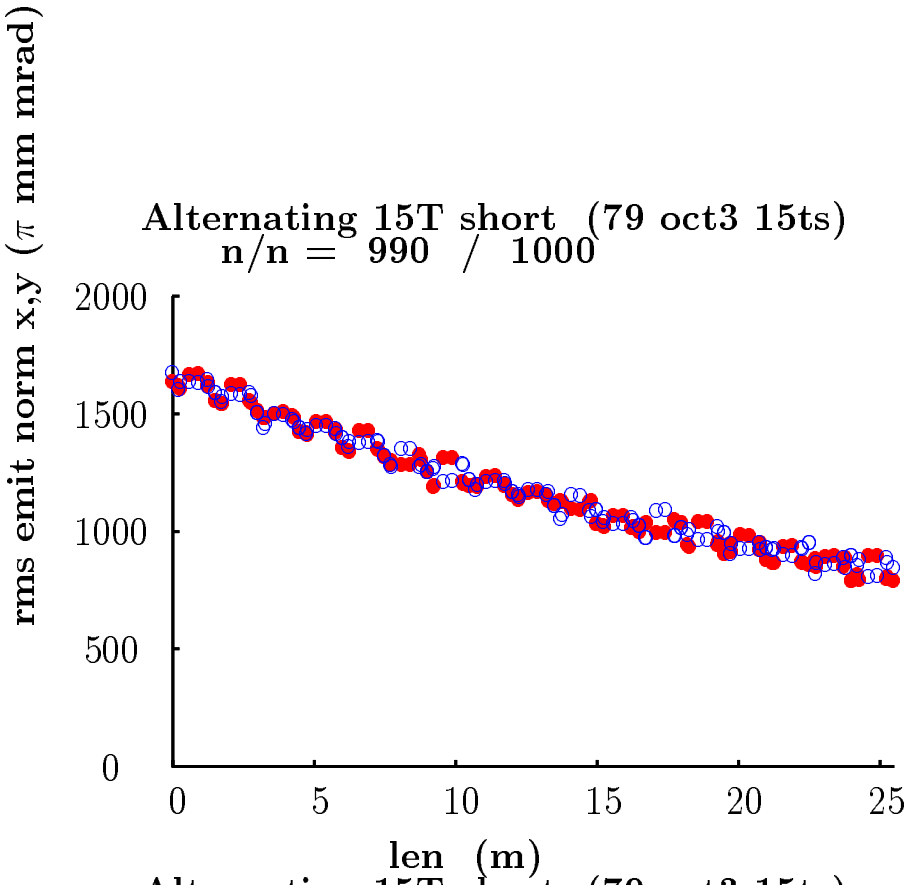

Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
rms rad (cm)
10.0
7.5
5.0
2.5
0.0
0
5
10
15
20
25
len (m)

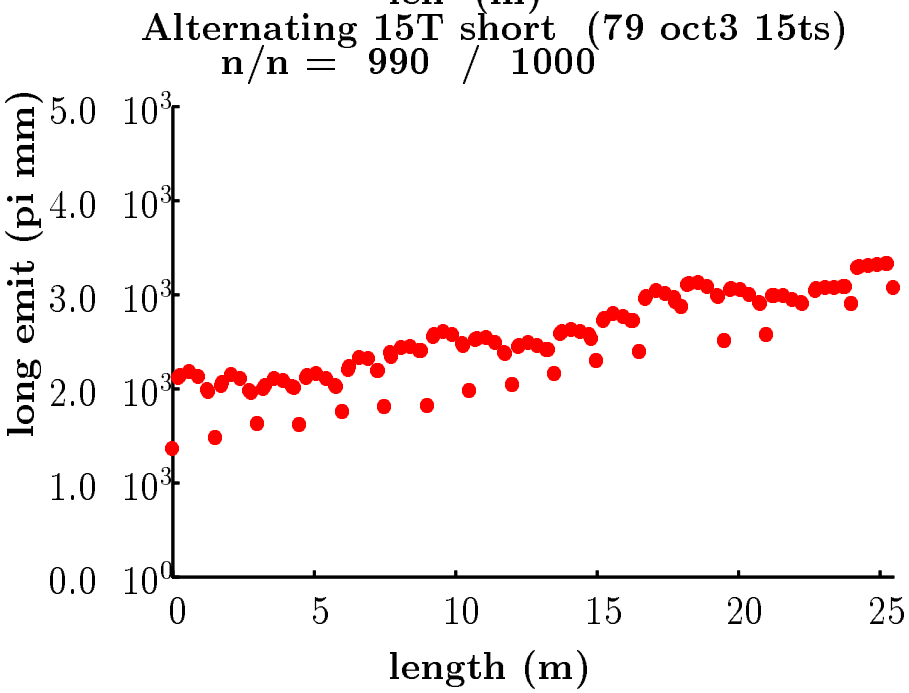

Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
rms theta (mrad)
1000
750
500
250
0
0
5
10
15
20
25
len (m)

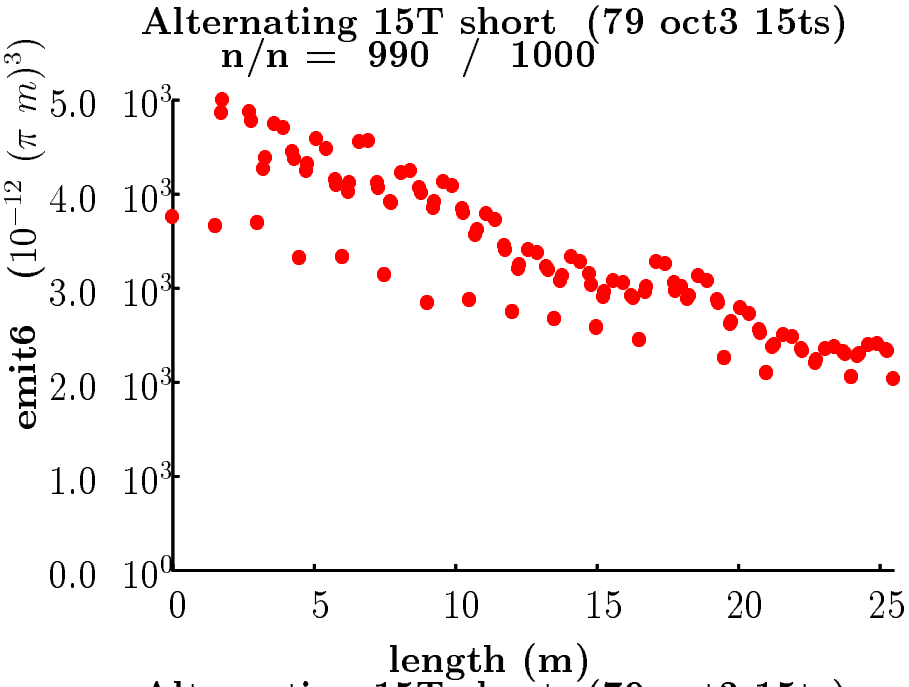

Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
rms corr momentum (%)
10.0
7.5
5.0
2.5
0.0
0
5
10
15
20
25
length (m)

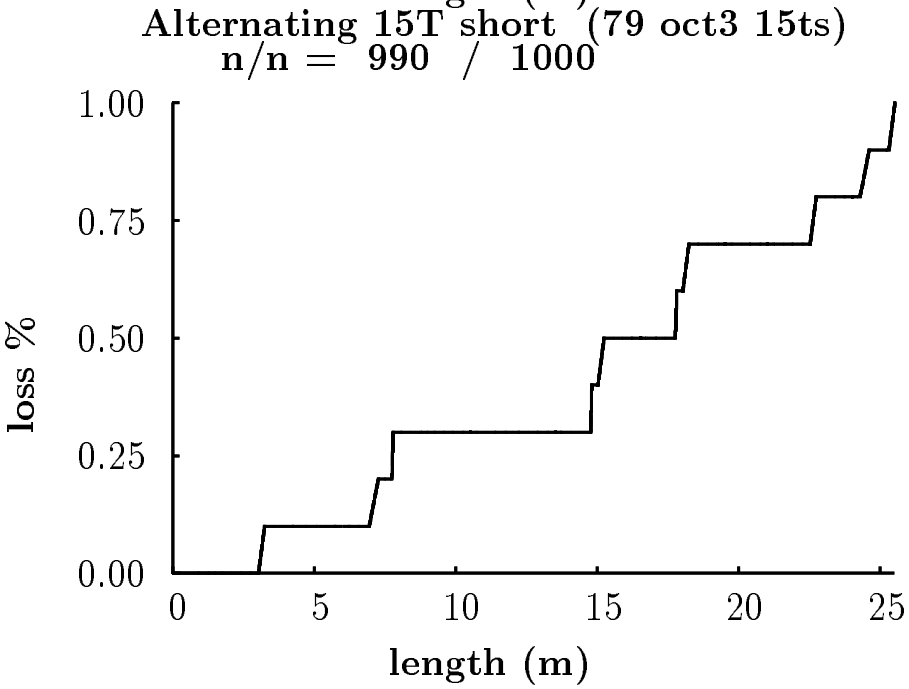

Alternating 15T short (79 oct3 15ts)
rms (dash=rmcube) ct (cm)
length (cm)
0
1
2
3
4
5
0
5
10
15
20
25

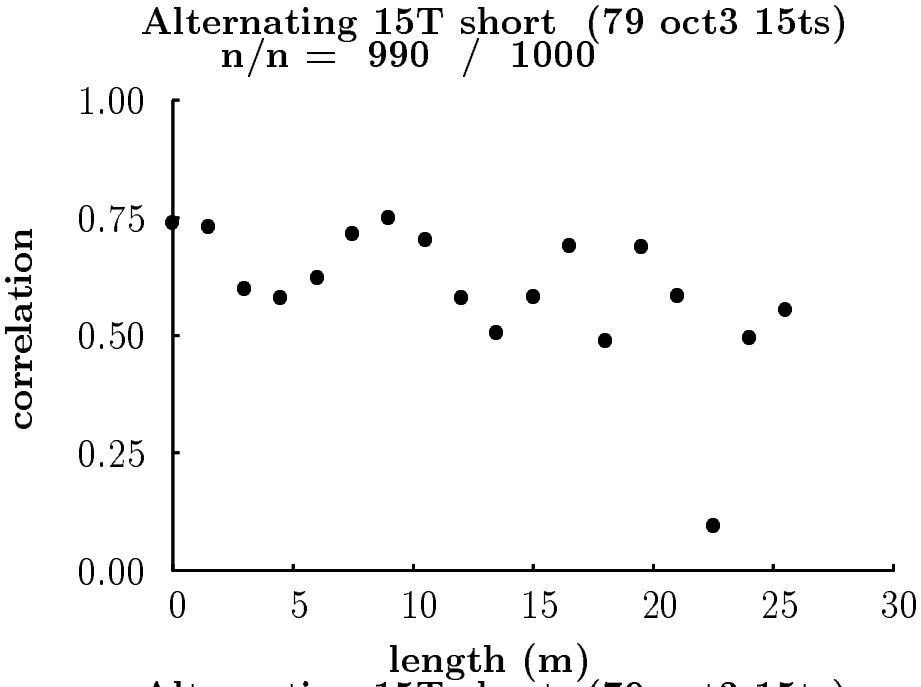

Alternating 15T short (79 oct3 15ts)
ct (cm)
length (m)
-10
-5
0
5
10
15
20
0
5
10
15
20
25
30

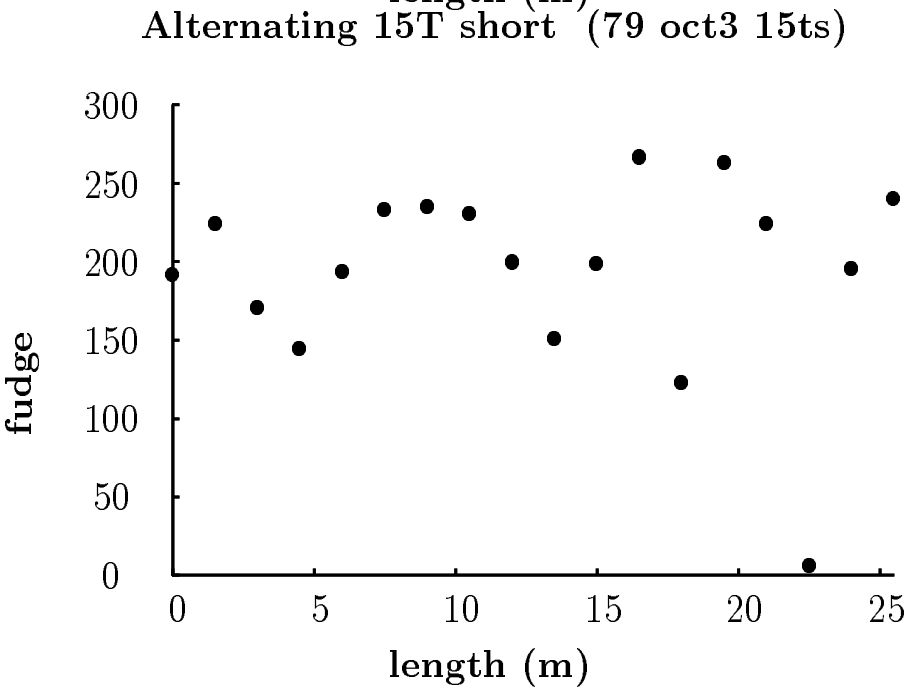

Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
rms emit norm x,y (π mm mrad)
2000
1500
1000
500
0
0
5
10
15
20
25
len (m)

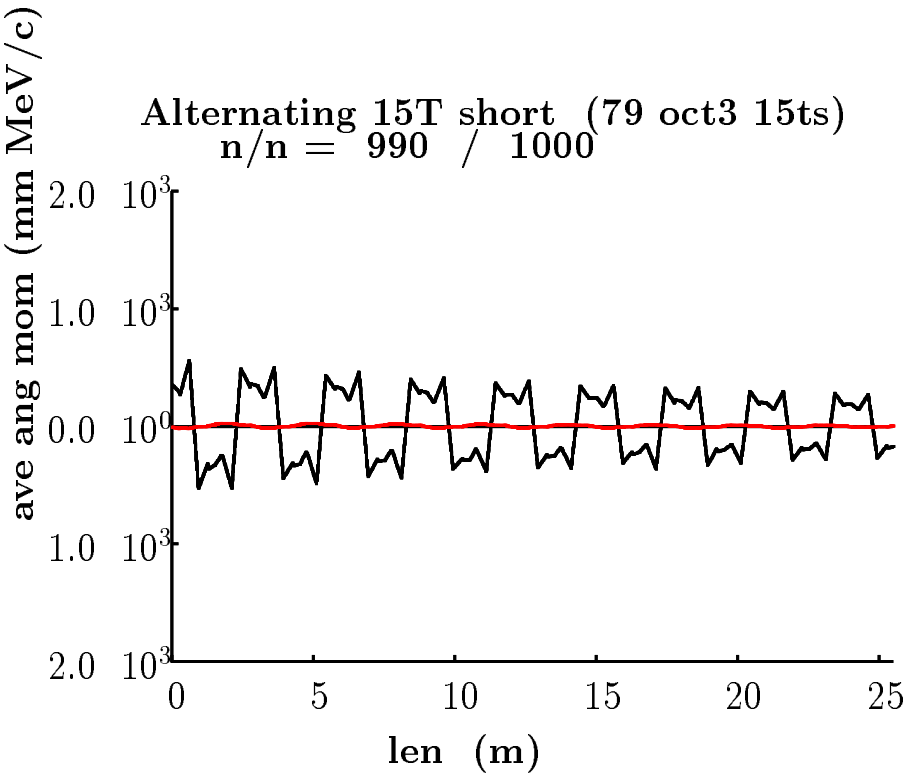

Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
long emit (pi mm)
5.0 10^3
4.0 10^3
3.0 10^3
2.0 10^3
1.0 10^3
0.0 10^0
0
5
10
15
20
25
length (m)

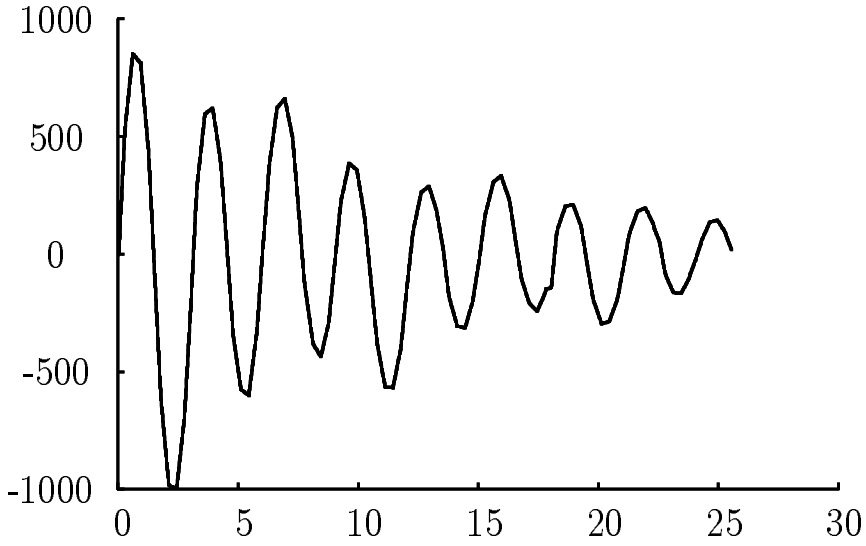

Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
emit6 $(10^{-12}\ (\pi\ m)^3)$
5.0 10^3
4.0 10^3
3.0 10^3
2.0 10^3
1.0 10^3
0.0 10^0
0
5
10
15
20
25
length (m)

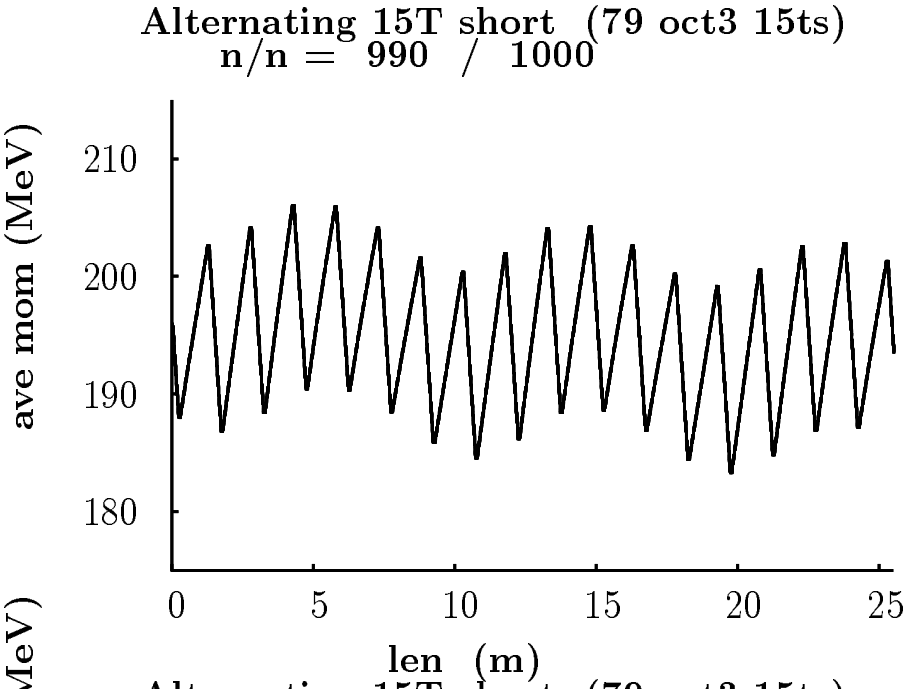

Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
loss %
1.00
0.75
0.50
0.25
0.00
0
5
10
15
20
25
length (m)

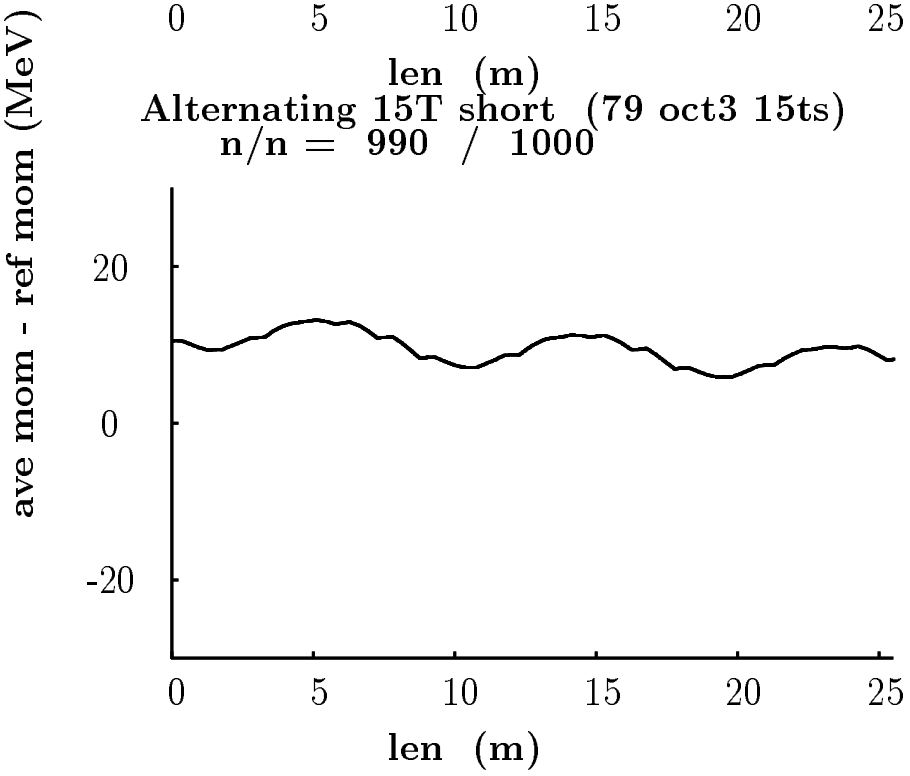

Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
correlation
1.00
0.75
0.50
0.25
0.00
0
5
10
15
20
25
30
length (m)


Alternating 15T short (79 oct3 15ts)
fudge
300
250
200
150
100
50
0
0
5
10
15
20
25
length (m)


Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
ave ang mom (mm MeV/c)
2.0 10^3
1.0 10^3
0.0 10^0
1.0 10^3
2.0 10^3
0
5
10
15
20
25
len (m)


1000
500
0
-500
-1000
0
5
10
15
20
25
30


Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
ave mom (MeV)
210
200
190
180
0
5
10
15
20
25
len (m)


Alternating 15T short (79 oct3 15ts)
n/n = 990 / 1000
ave mom - ref mom (MeV)
20
0
-20
0
5
10
15
20
25
len (m)