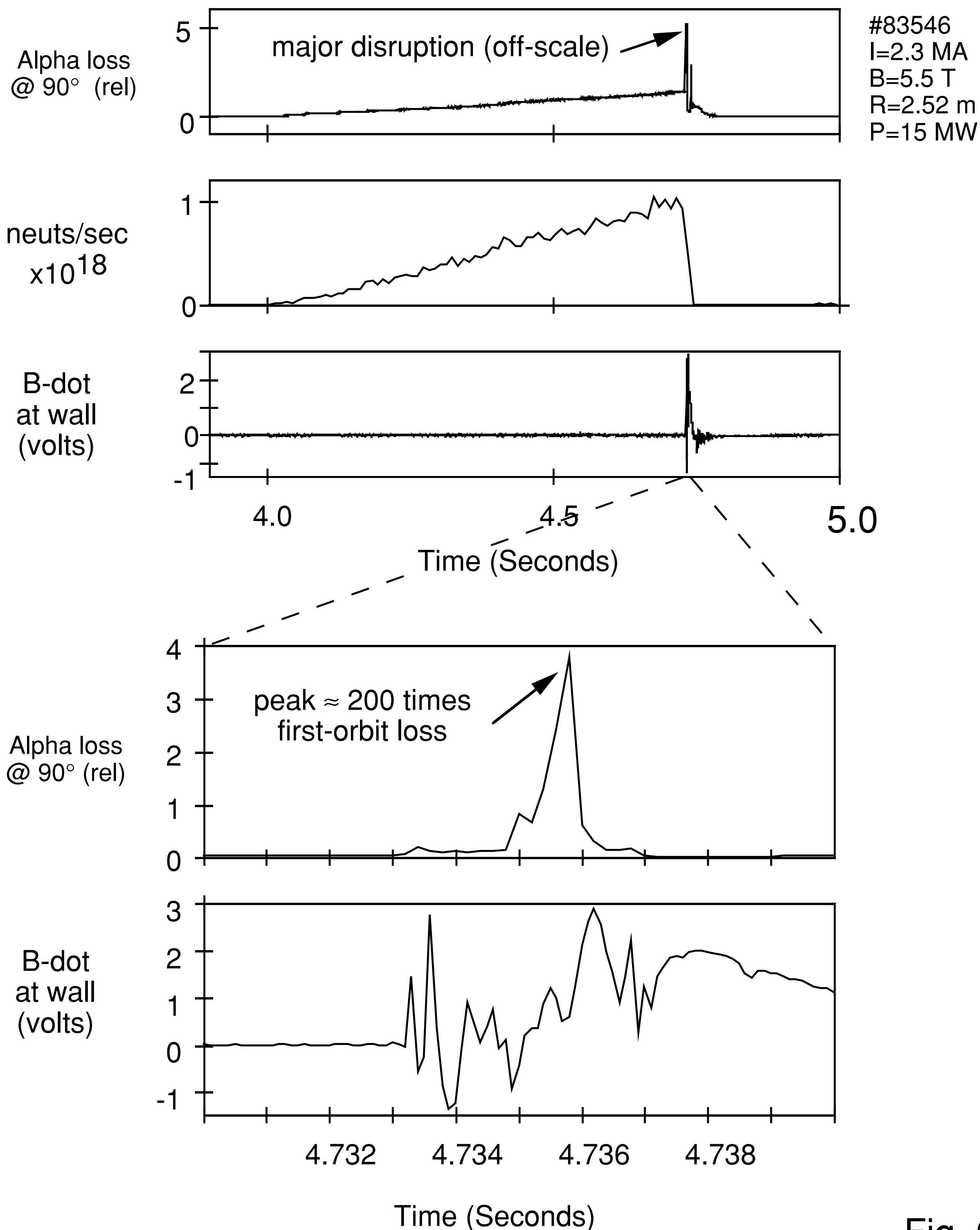
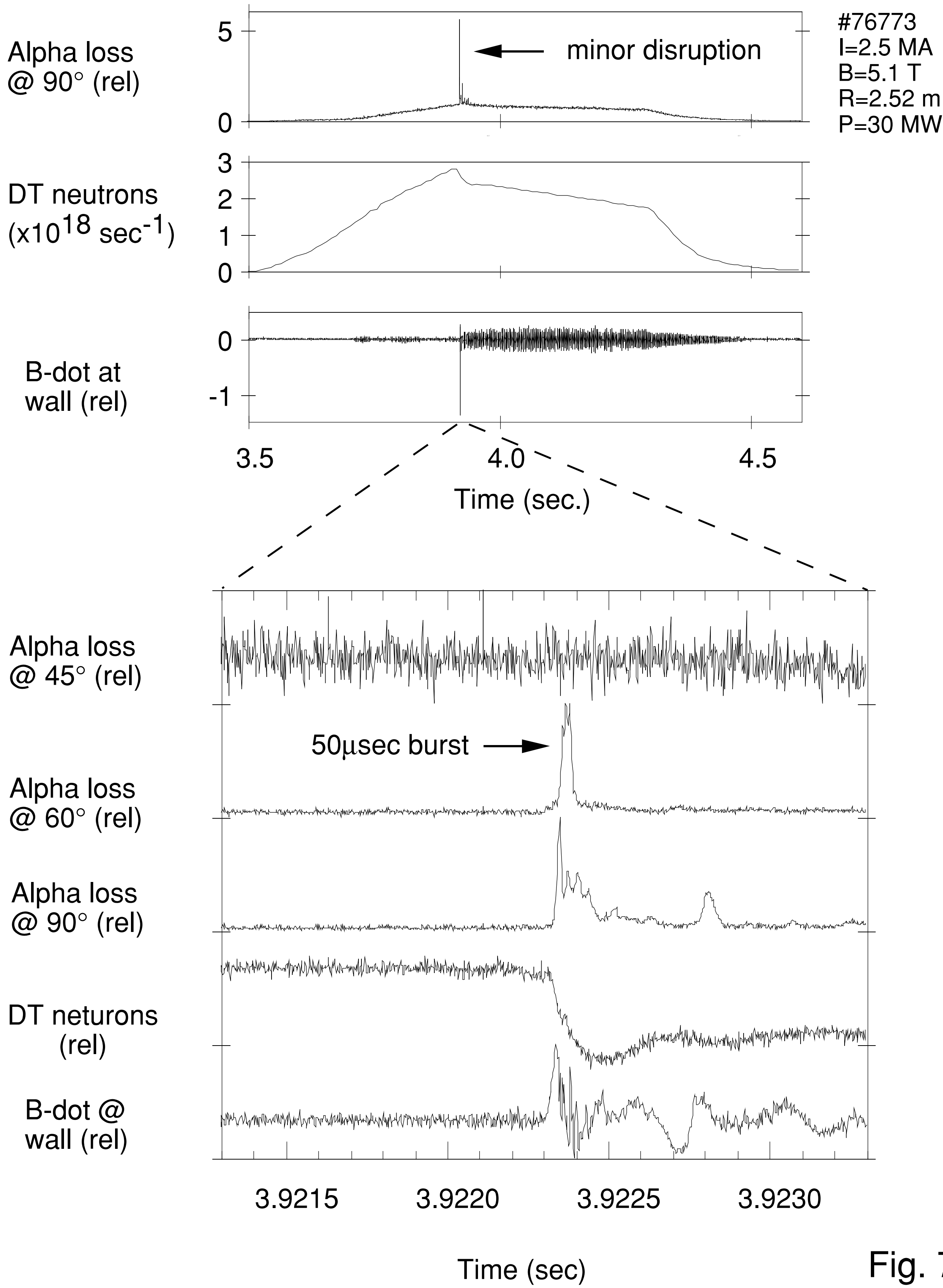


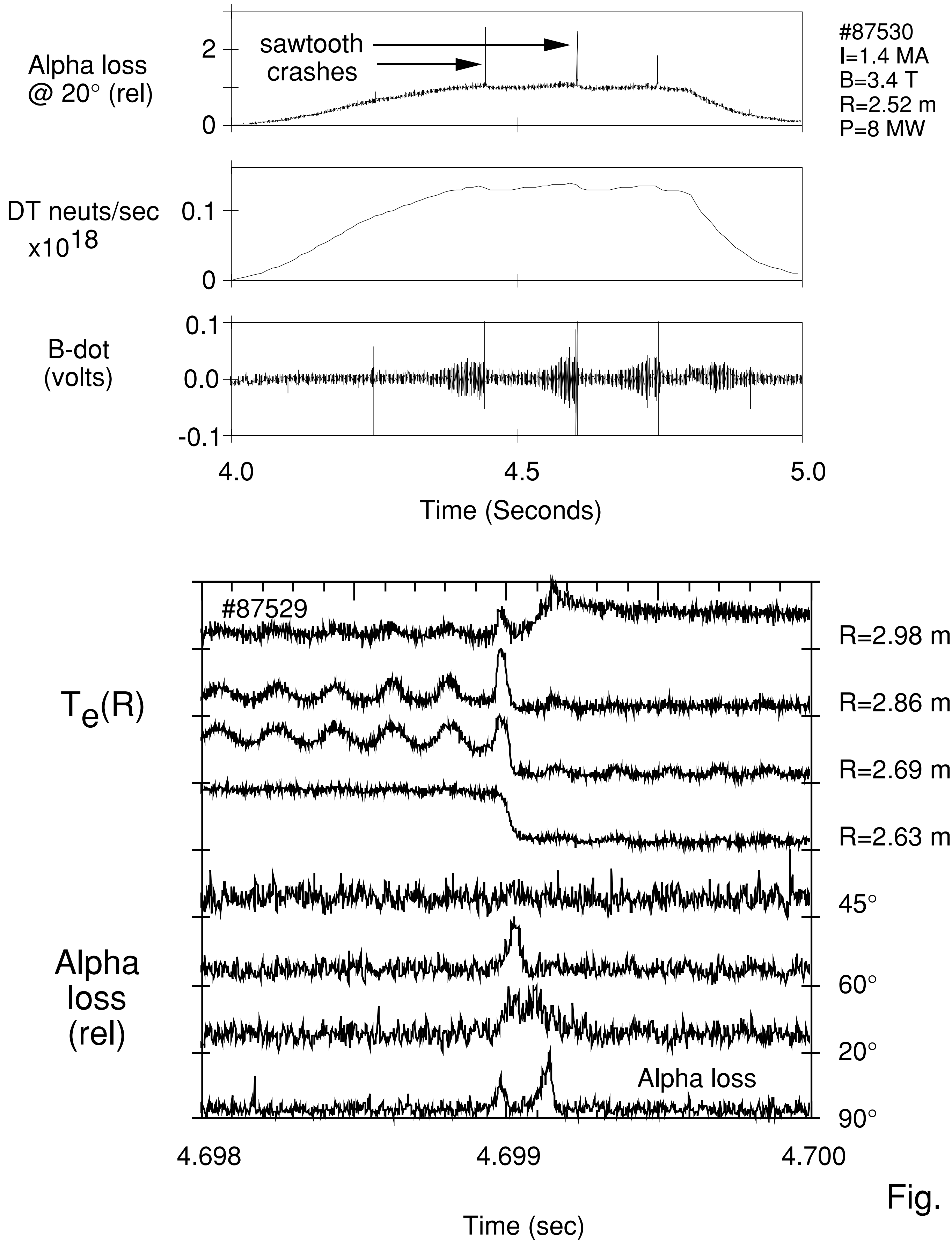
Alpha loss @ 90° (rel)
major disruption (off-scale)
#83546
I=2.3 MA
B=5.5 T
R=2.52 m
P=15 MW
neuts/sec x10^18
B-dot at wall (volts)
4.0
4.5
5.0
Time (Seconds)
peak ≈ 200 times first-orbit loss
Alpha loss @ 90° (rel)
B-dot at wall (volts)
4.732
4.734
4.736
4.738
Time (Seconds)

Fig. 6



Alpha loss
@ 90° (rel)
minor disruption
#76773
I=2.5 MA
B=5.1 T
R=2.52 m
P=30 MW
DT neutrons
(x10^18 sec^-1)
B-dot at
wall (rel)
3.5
4.0
4.5
Time (sec.)
Alpha loss
@ 45° (rel)
50μsec burst
Alpha loss
@ 60° (rel)
Alpha loss
@ 90° (rel)
DT neturons
(rel)
B-dot @
wall (rel)
3.9215
3.9220
3.9225
3.9230
Time (sec)

Fig. 7



sawtooth
crashes
Alpha loss
@ 20° (rel)
2
0
#87530
I=1.4 MA
B=3.4 T
R=2.52 m
P=8 MW
DT neuts/sec
x10^18
0.1
0
B-dot
(volts)
0.1
0.0
-0.1
4.0
4.5
5.0
Time (Seconds)
#87529
T_e(R)
R=2.98 m
R=2.86 m
R=2.69 m
R=2.63 m
Alpha
loss
(rel)
45°
60°
20°
90°
Alpha loss
4.698
4.699
4.700
Time (sec)

Fig. 8

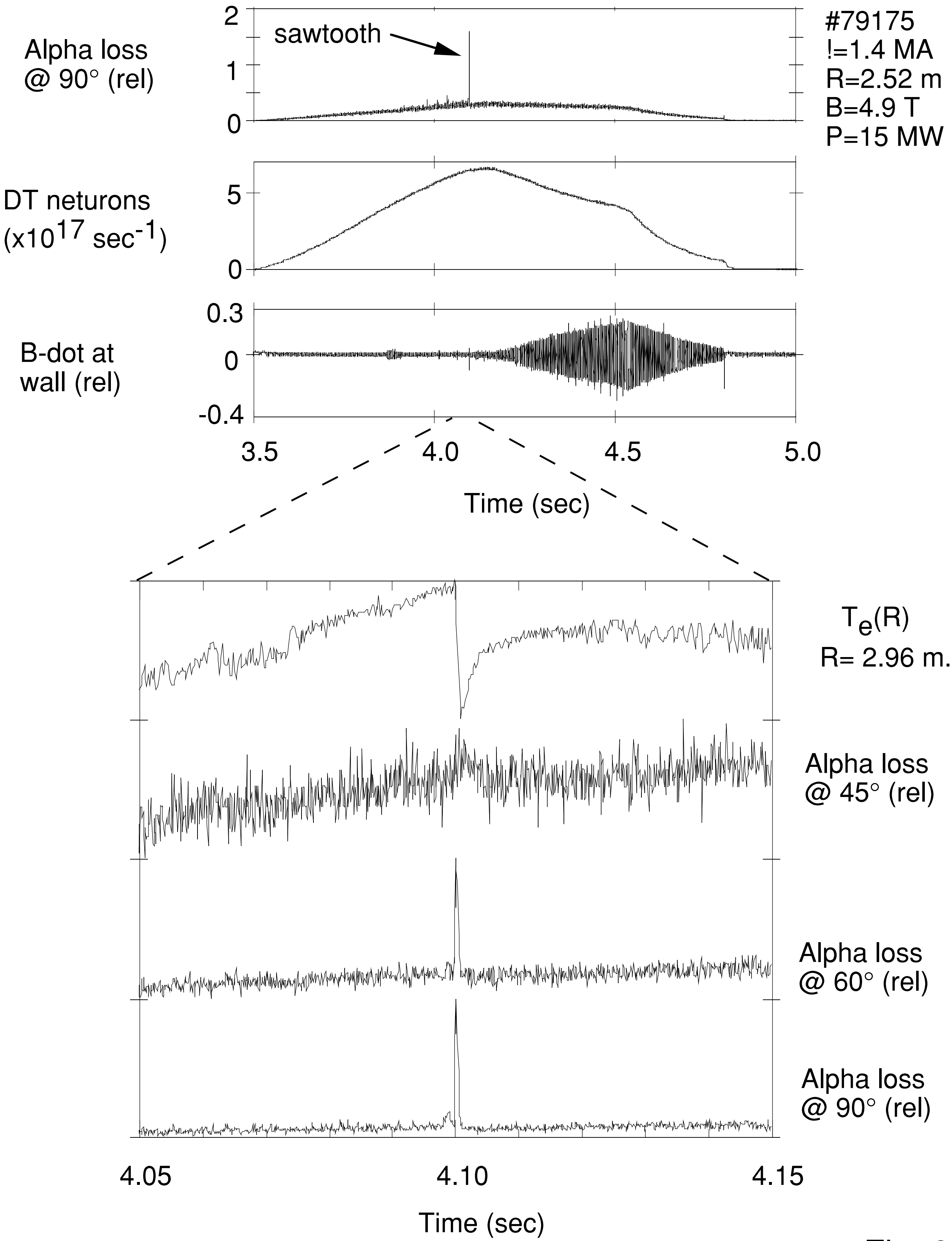

Alpha loss
@ 90° (rel)
sawtooth
#79175
!=1.4 MA
R=2.52 m
B=4.9 T
P=15 MW
DT neturons
(x10^17 sec^-1)
B-dot at
wall (rel)
2
1
0
5
0
0.3
0
-0.4
3.5
4.0
4.5
5.0
Time (sec)
Te(R)
R= 2.96 m.
Alpha loss
@ 45° (rel)
Alpha loss
@ 60° (rel)
Alpha loss
@ 90° (rel)
4.05
4.10
4.15
Time (sec)

Fig. 9