Program Complot
(Version 2021-1)
by
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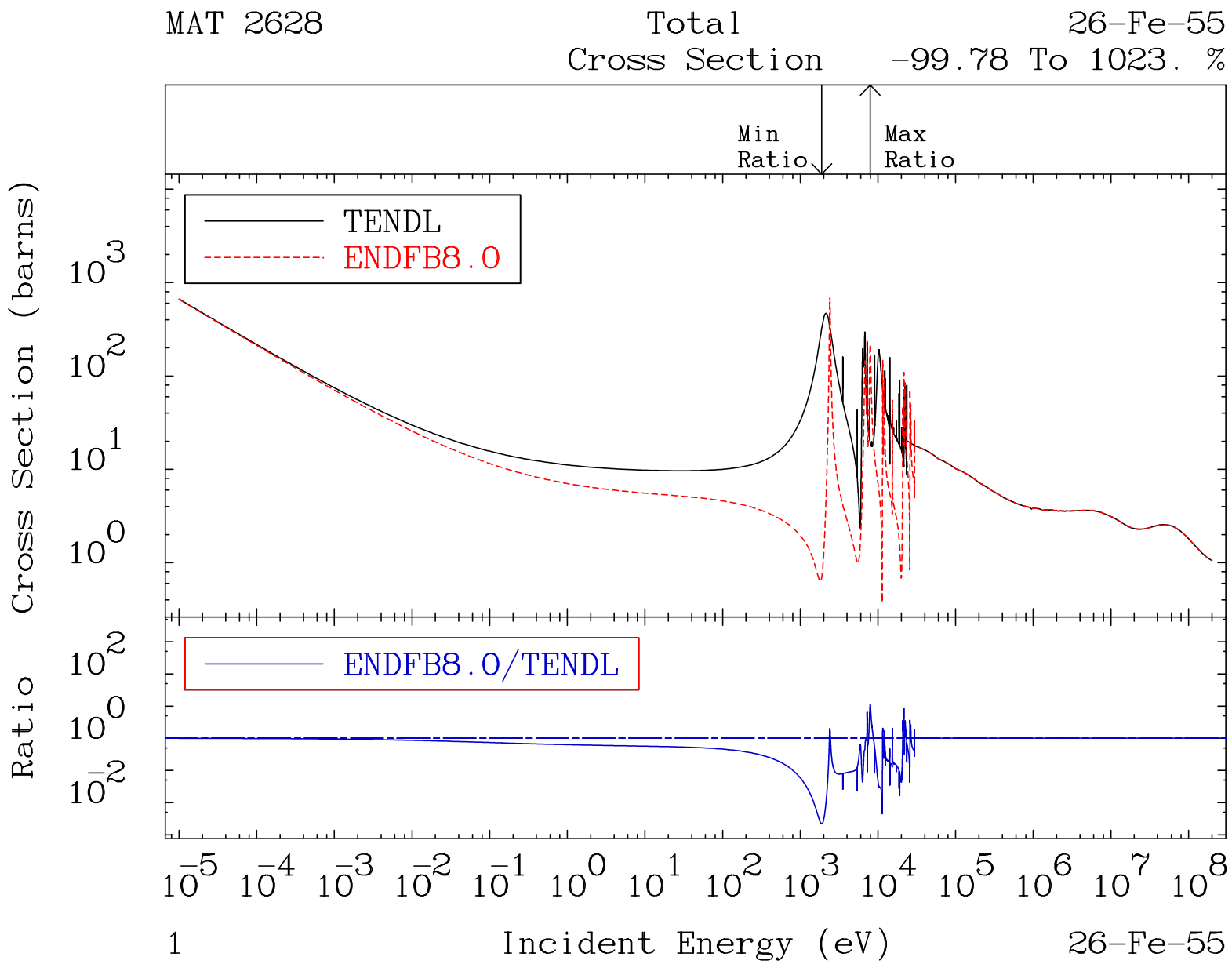
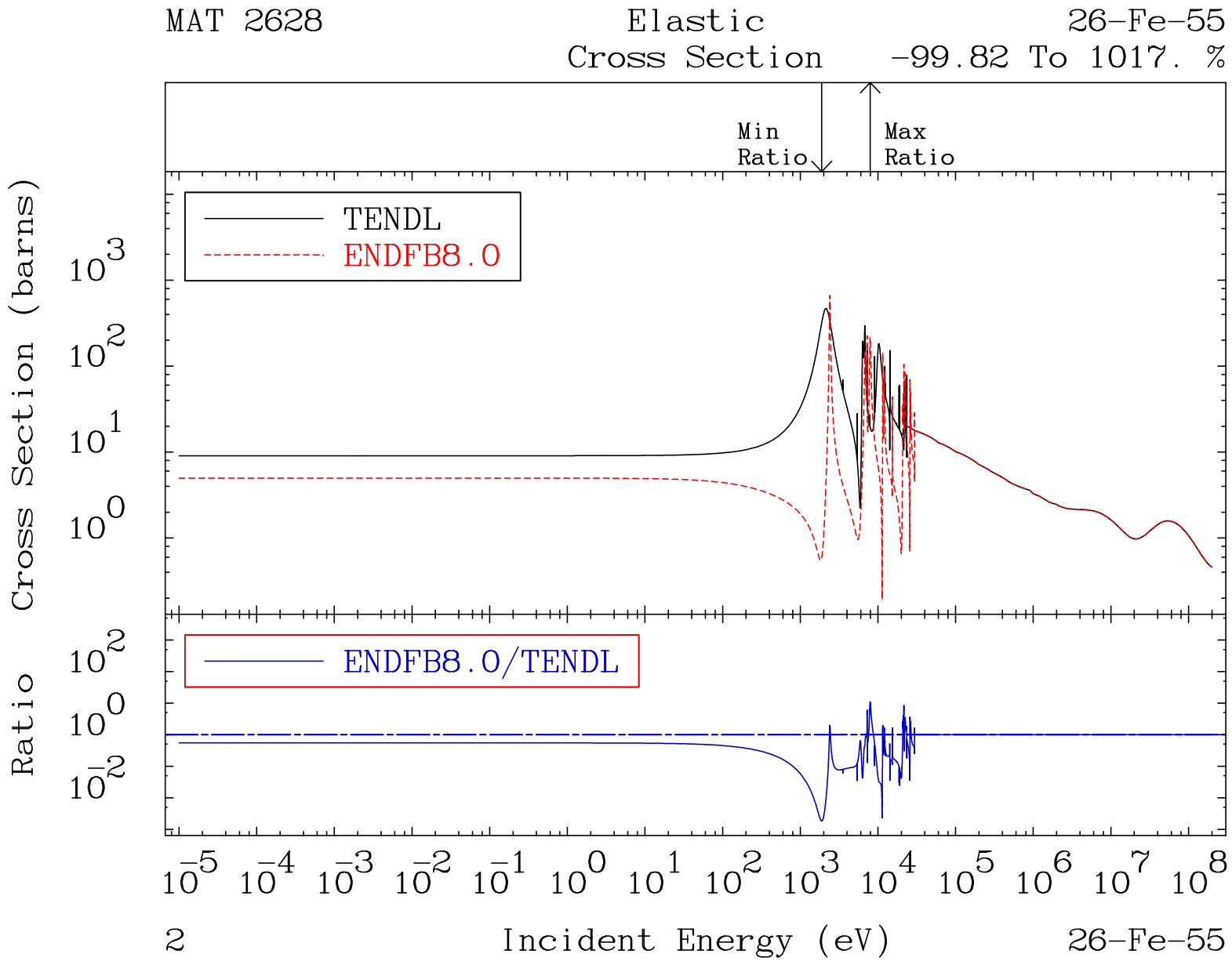
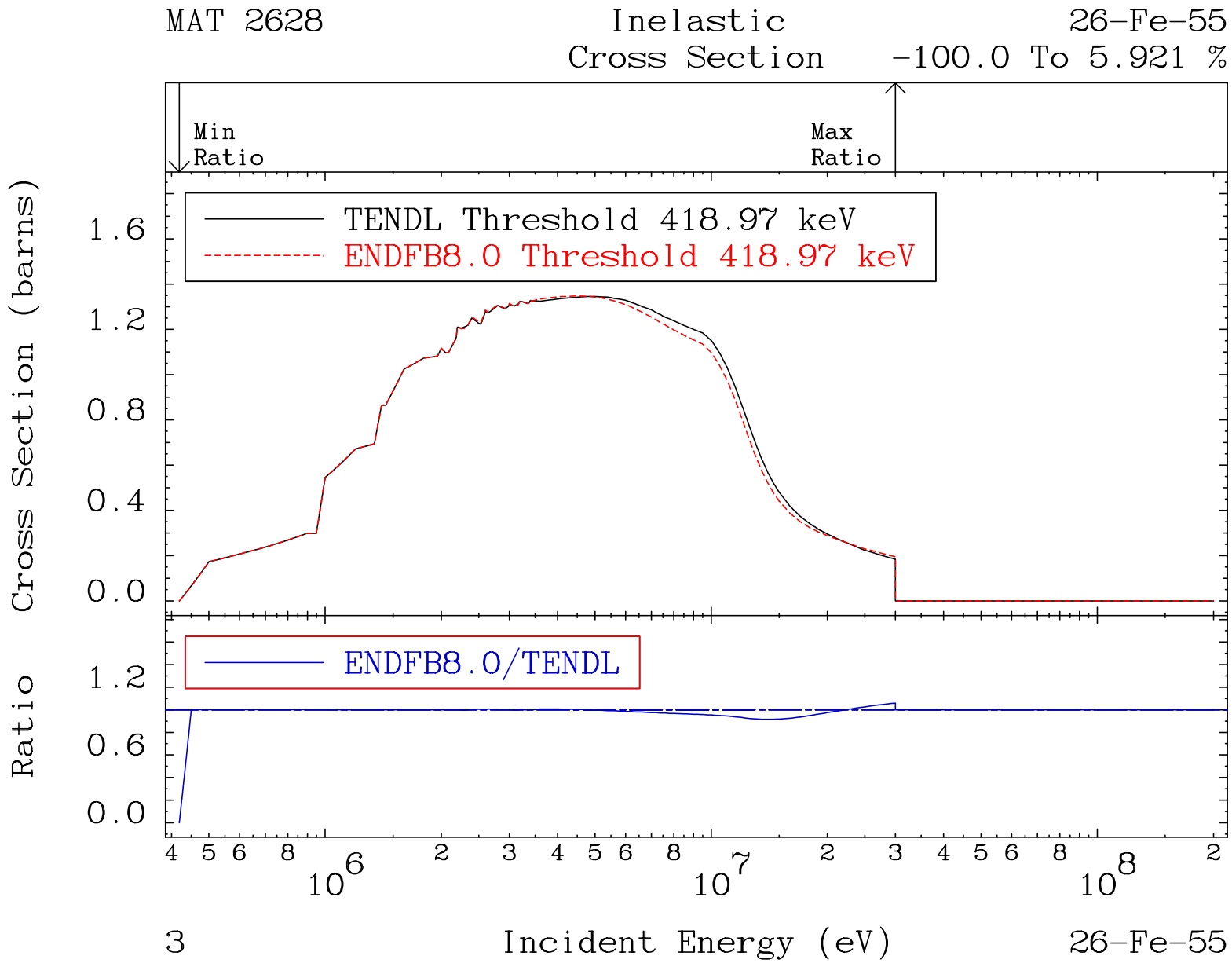
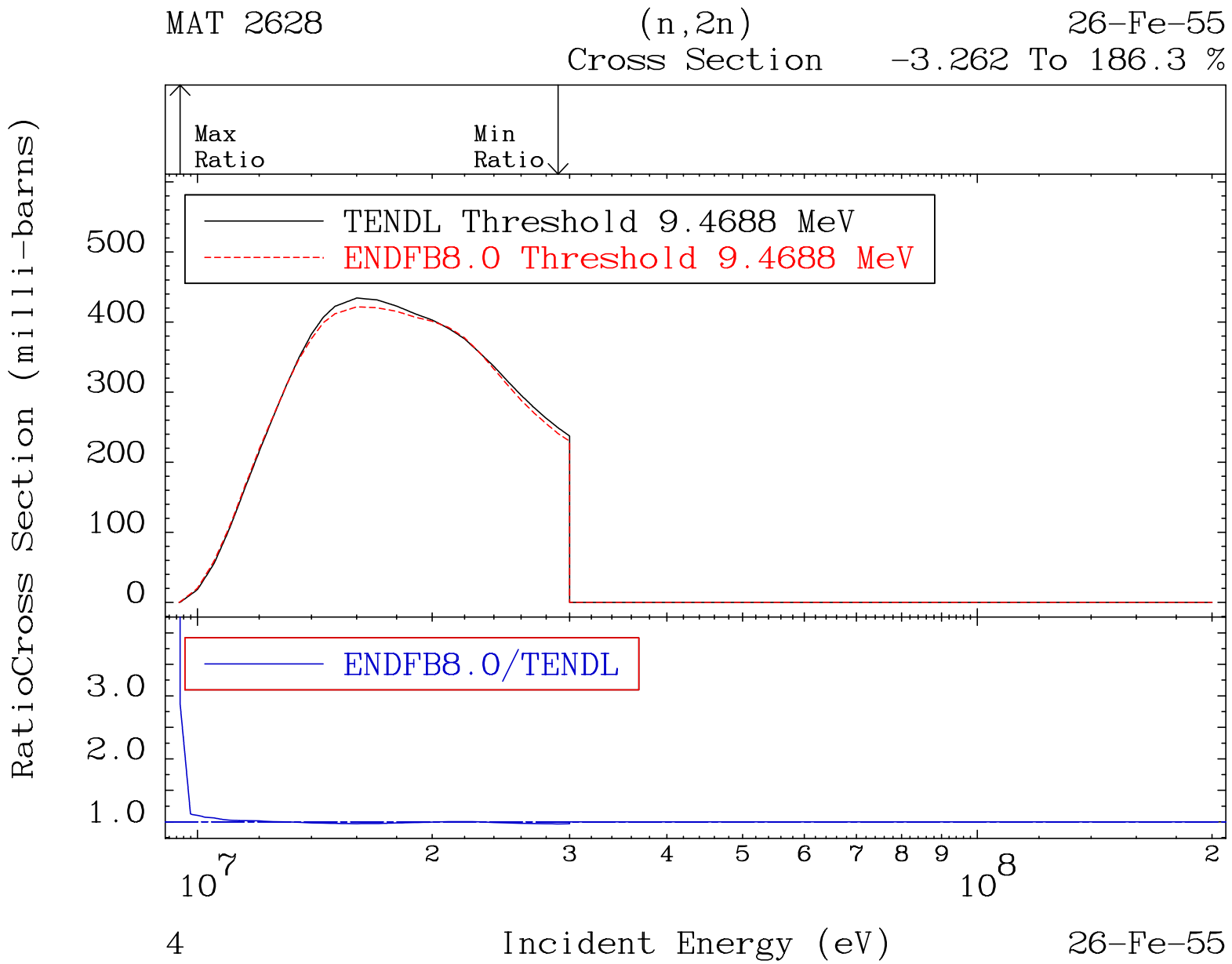
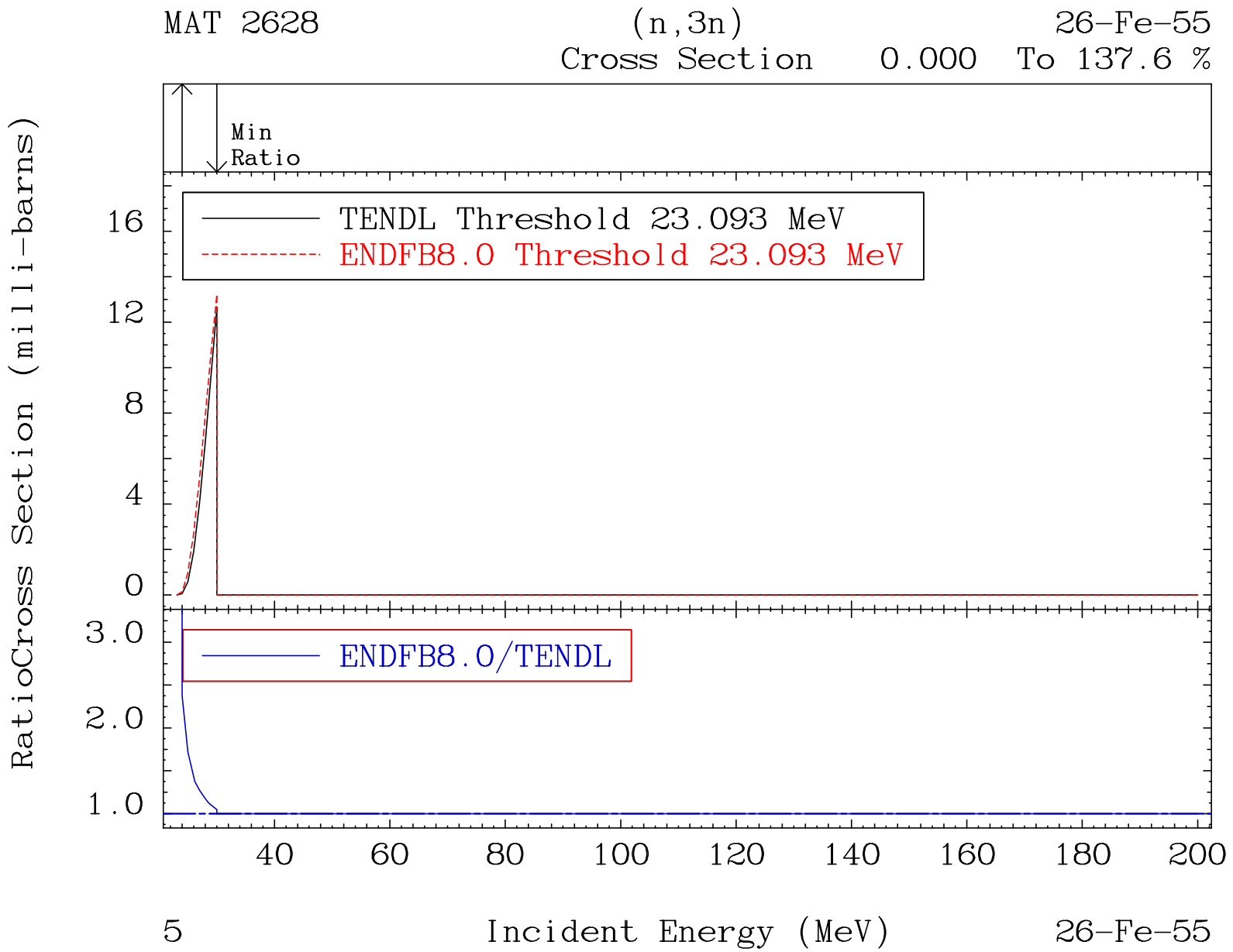
Press Mouse Button to Start

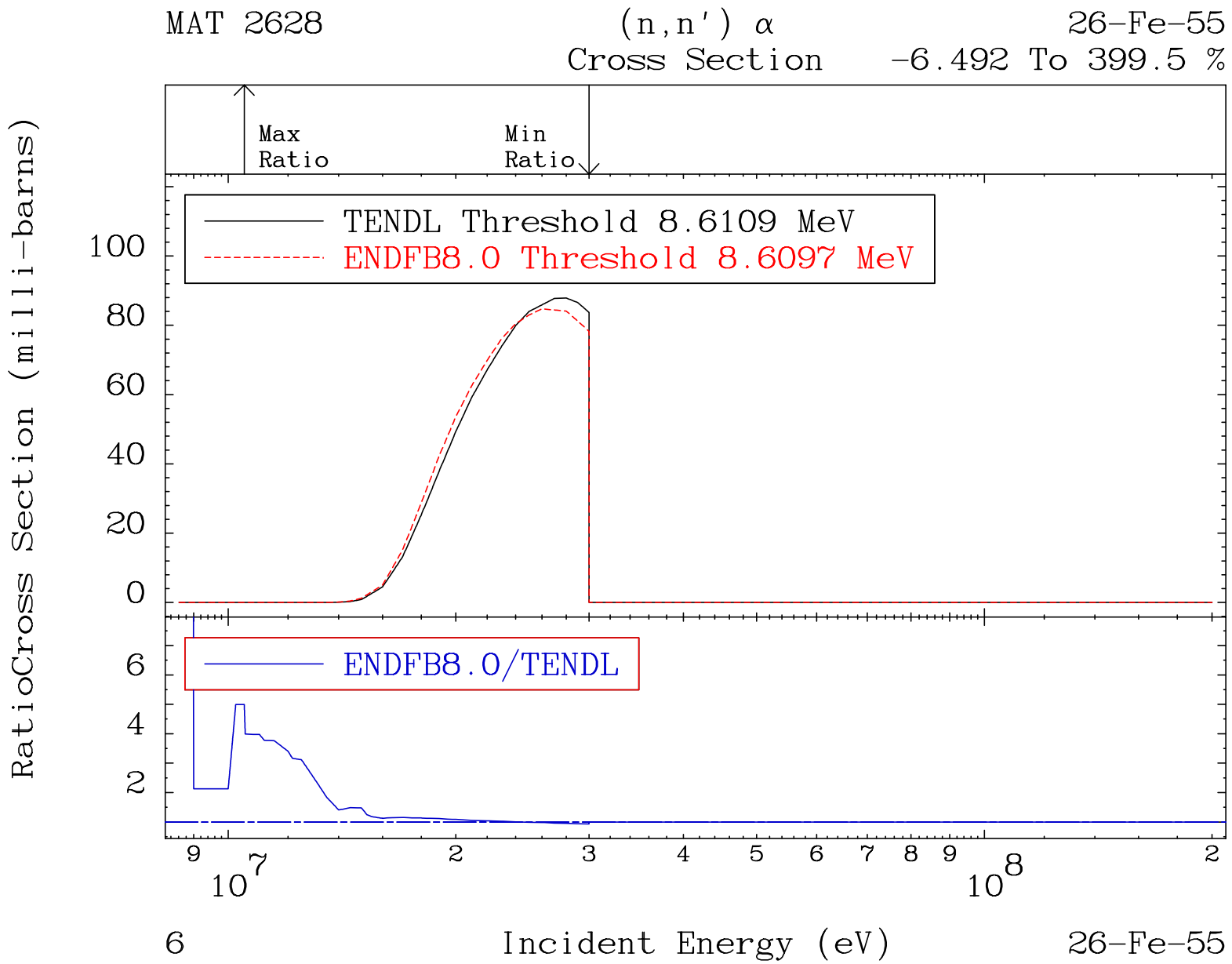

MAT 2628
Total
Cross Section
26-Fe-55
-99.78 To 1023. %
Min
Ratio
Max
Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
26-Fe-55

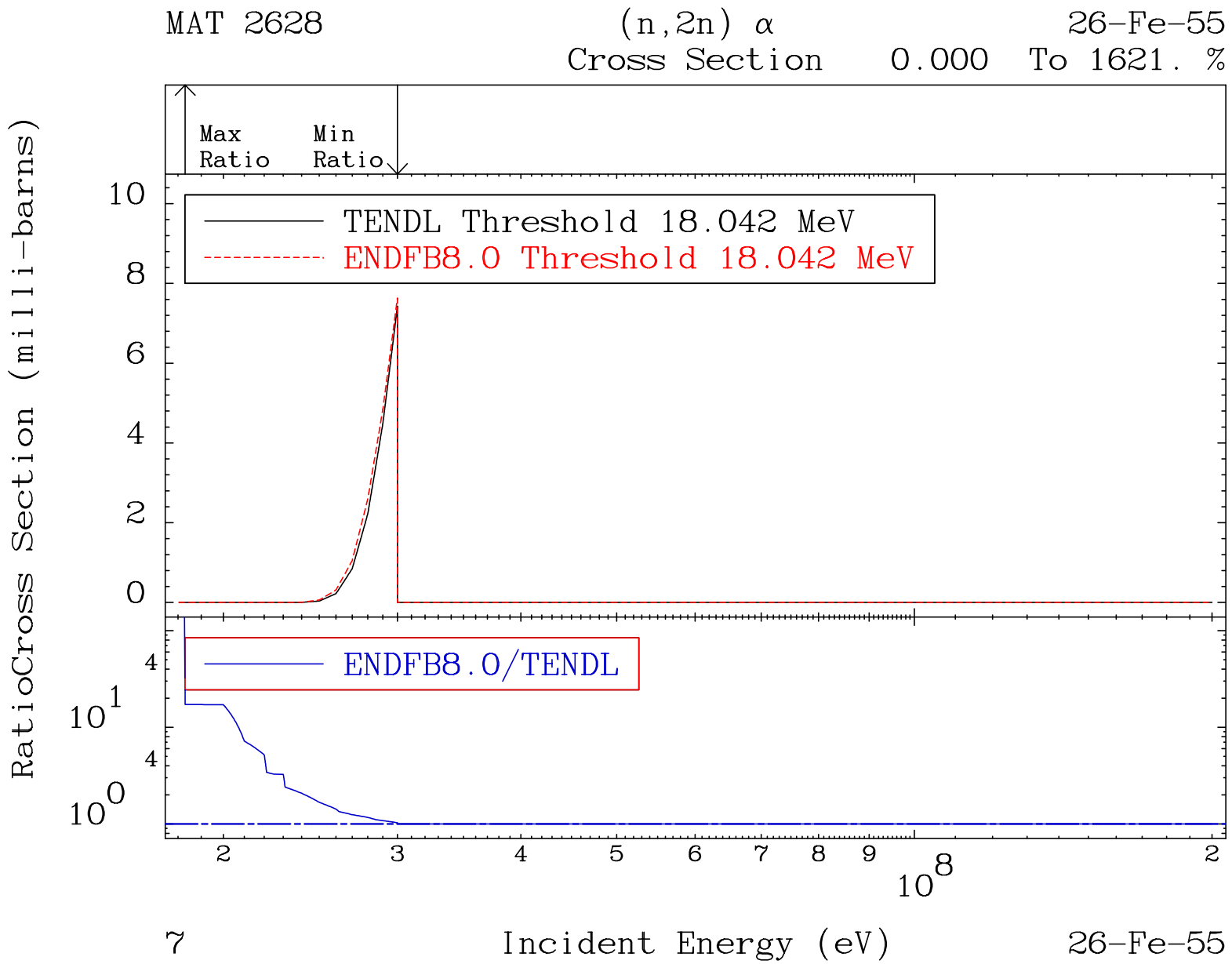

MAT 2628
Elastic
Cross Section
26-Fe-55
-99.82 To 1017. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
26-Fe-55

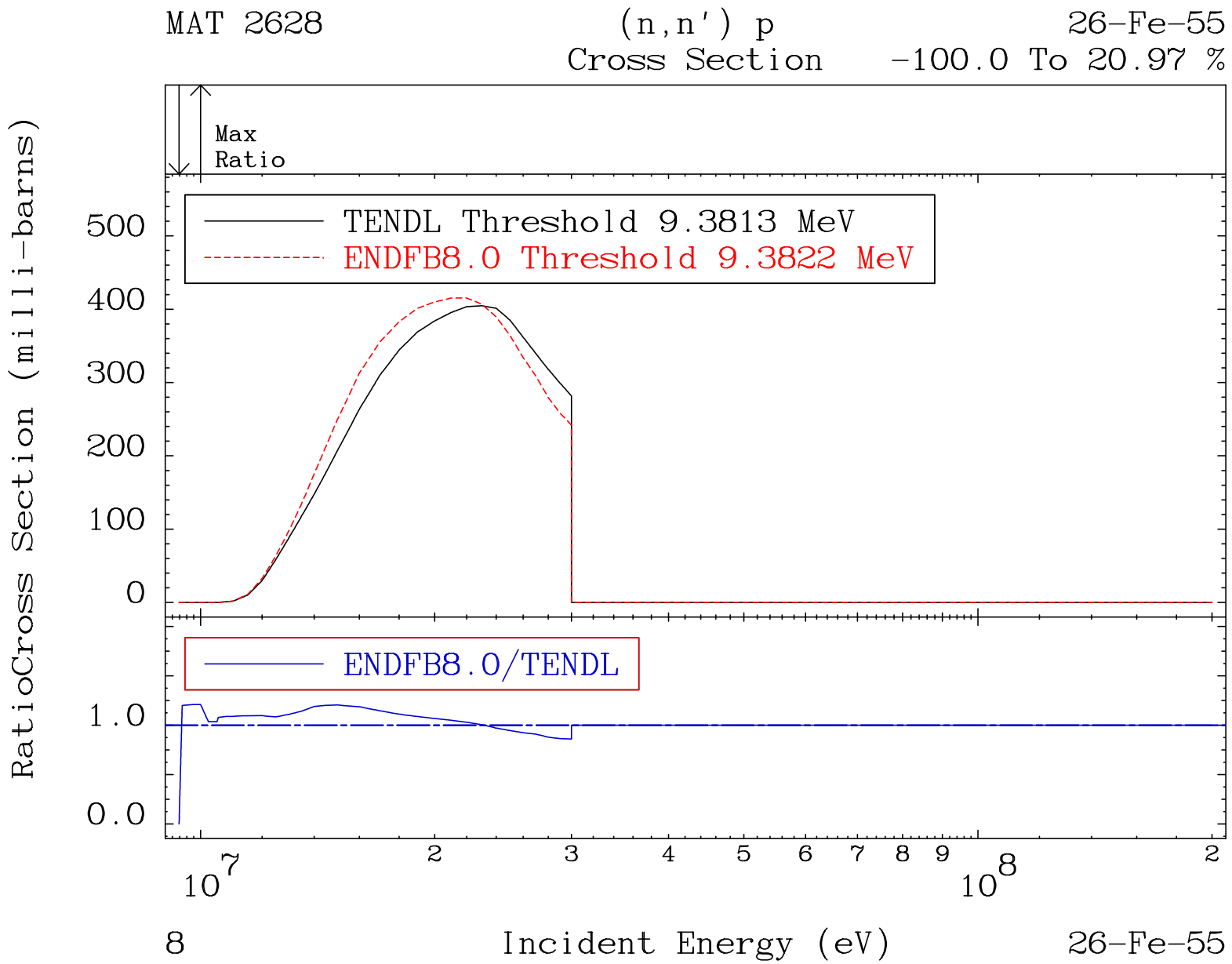

MAT 2628
Inelastic
Cross Section
26-Fe-55
-100.0 To 5.921 %
Min Ratio
Max Ratio
TENDL Threshold 418.97 keV
ENDFB8.0 Threshold 418.97 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
ENDFB8.0/TENDL
Ratio
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
26-Fe-55

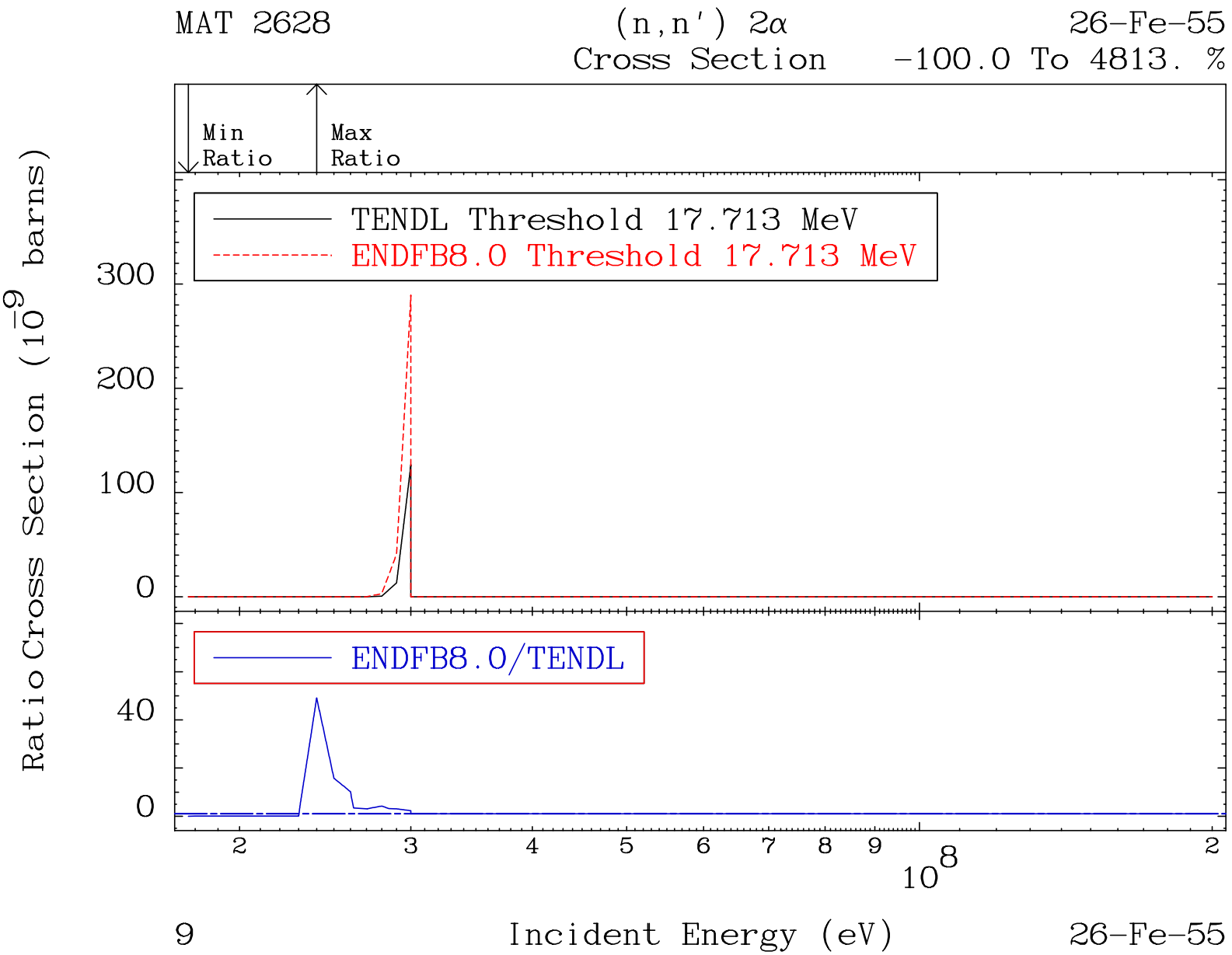

MAT 2628
(n,2n)
Cross Section
26-Fe-55
-3.262 To 186.3 %
Max Ratio
Min Ratio
TENDL Threshold 9.4688 MeV
ENDFB8.0 Threshold 9.4688 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
3.0
2.0
1.0
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
26-Fe-55

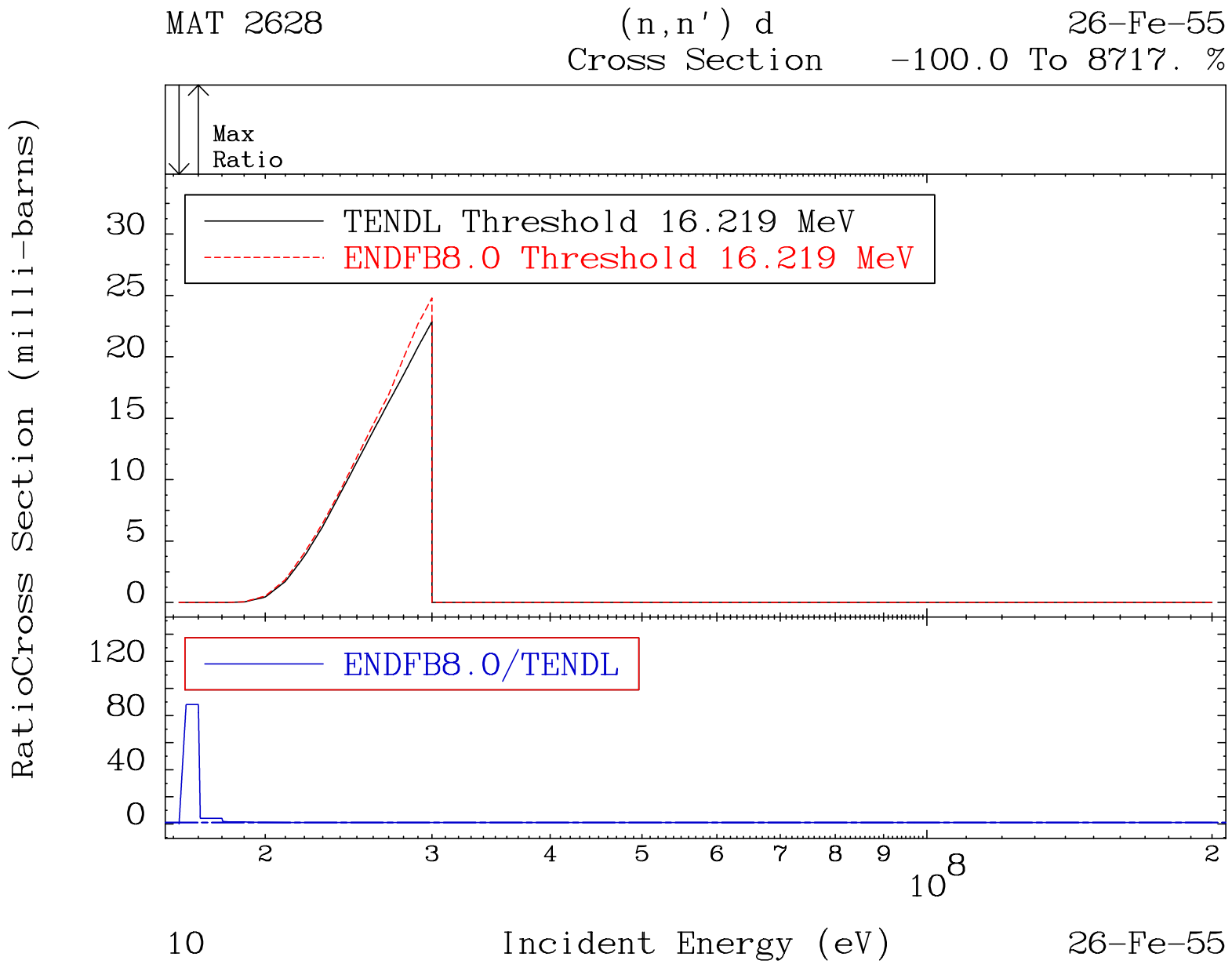

MAT 2628
(n,3n)
Cross Section
26-Fe-55
0.000 To 137.6 %
Min
Ratio
TENDL Threshold 23.093 MeV
ENDFB8.0 Threshold 23.093 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
3.0
2.0
1.0
40
60
80
100
120
140
160
180
200
Incident Energy (MeV)
5
26-Fe-55

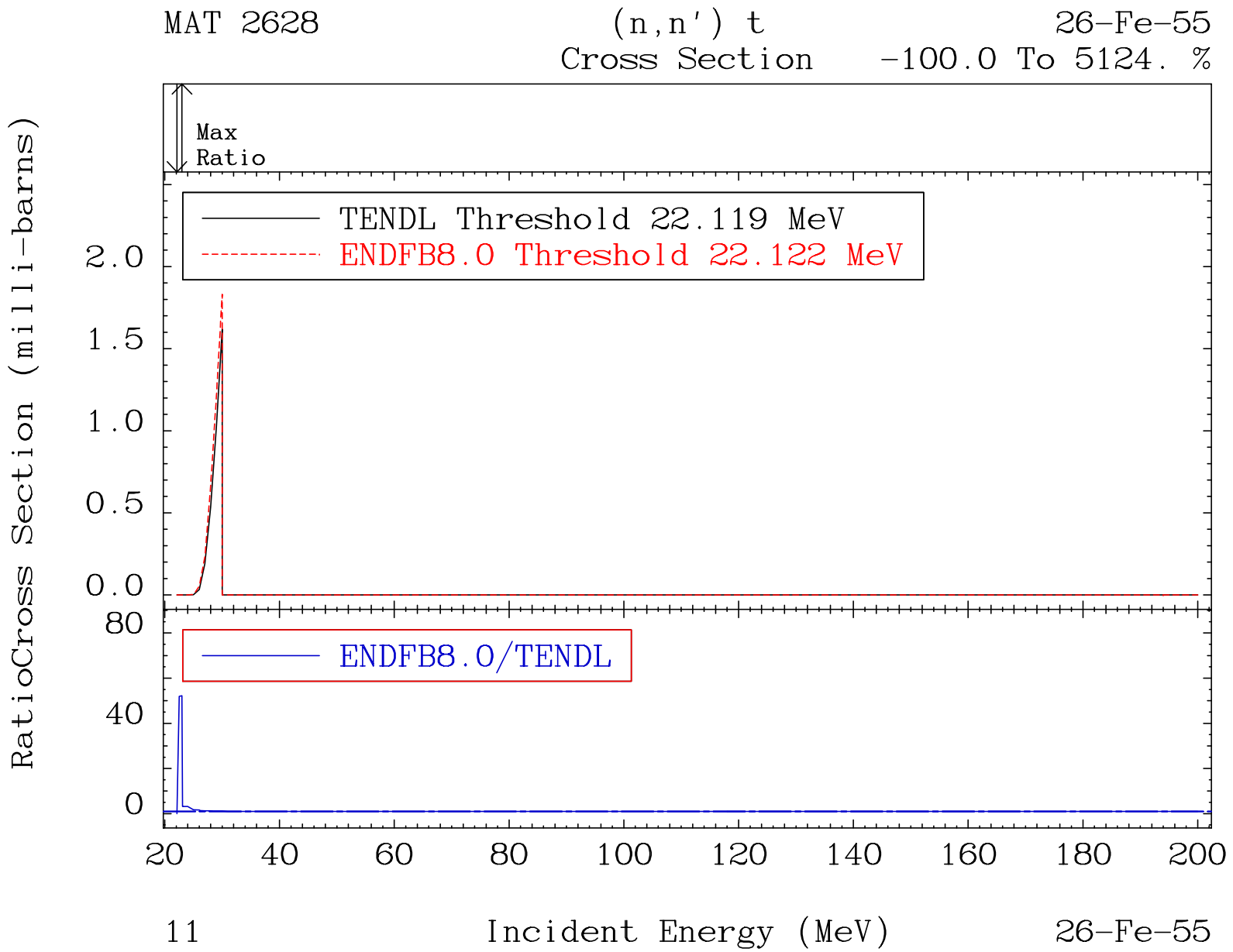

MAT 2628
(n,n') α
Cross Section
26-Fe-55
-6.492 To 399.5 %
Max Ratio
Min Ratio
TENDL Threshold 8.6109 MeV
ENDFB8.0 Threshold 8.6097 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
6
26-Fe-55

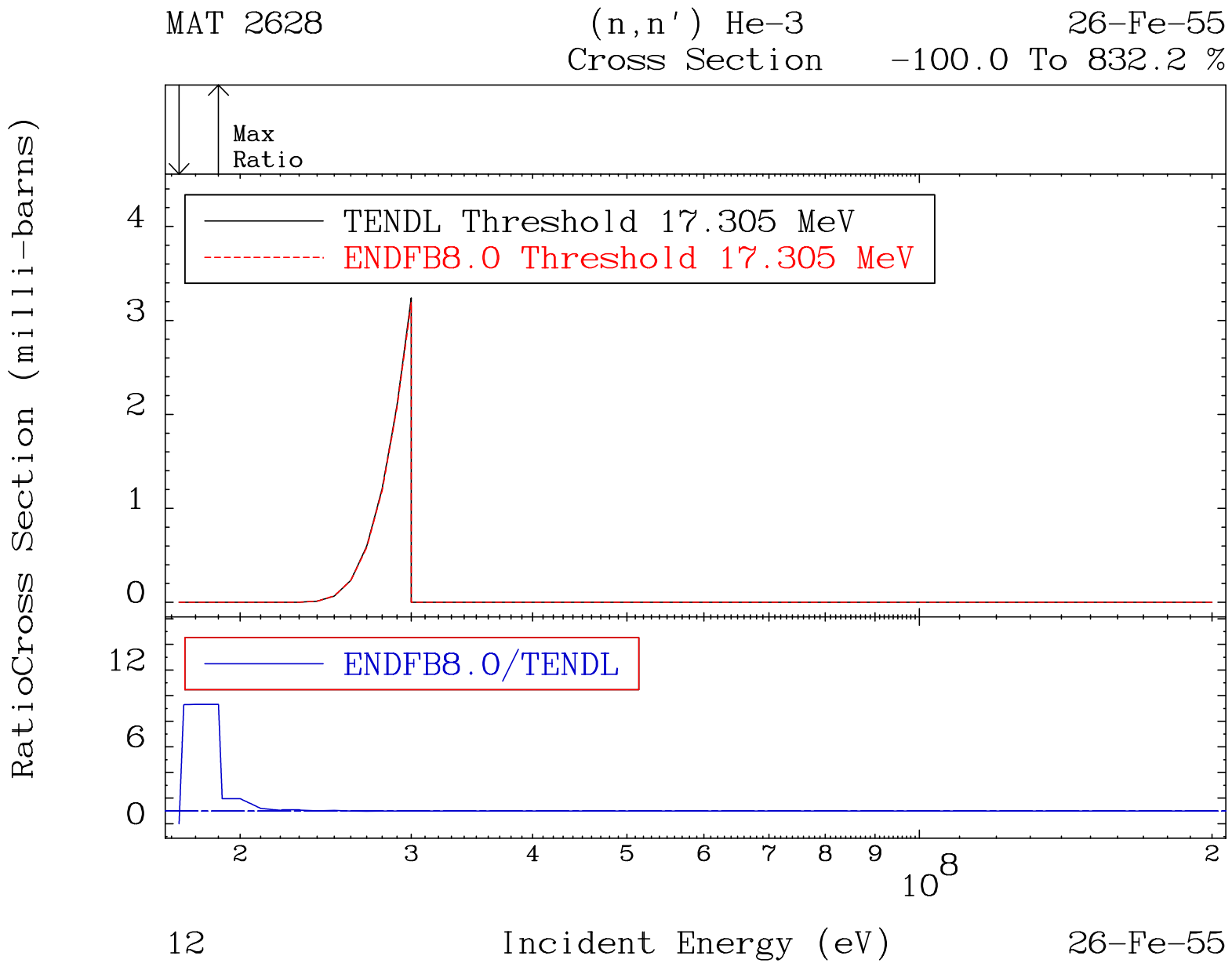

MAT 2628
(n,2n) α
26-Fe-55
Cross Section 0.000 To 1621. %
Max Ratio
Min Ratio
TENDL Threshold 18.042 MeV
ENDFB8.0 Threshold 18.042 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
7
26-Fe-55

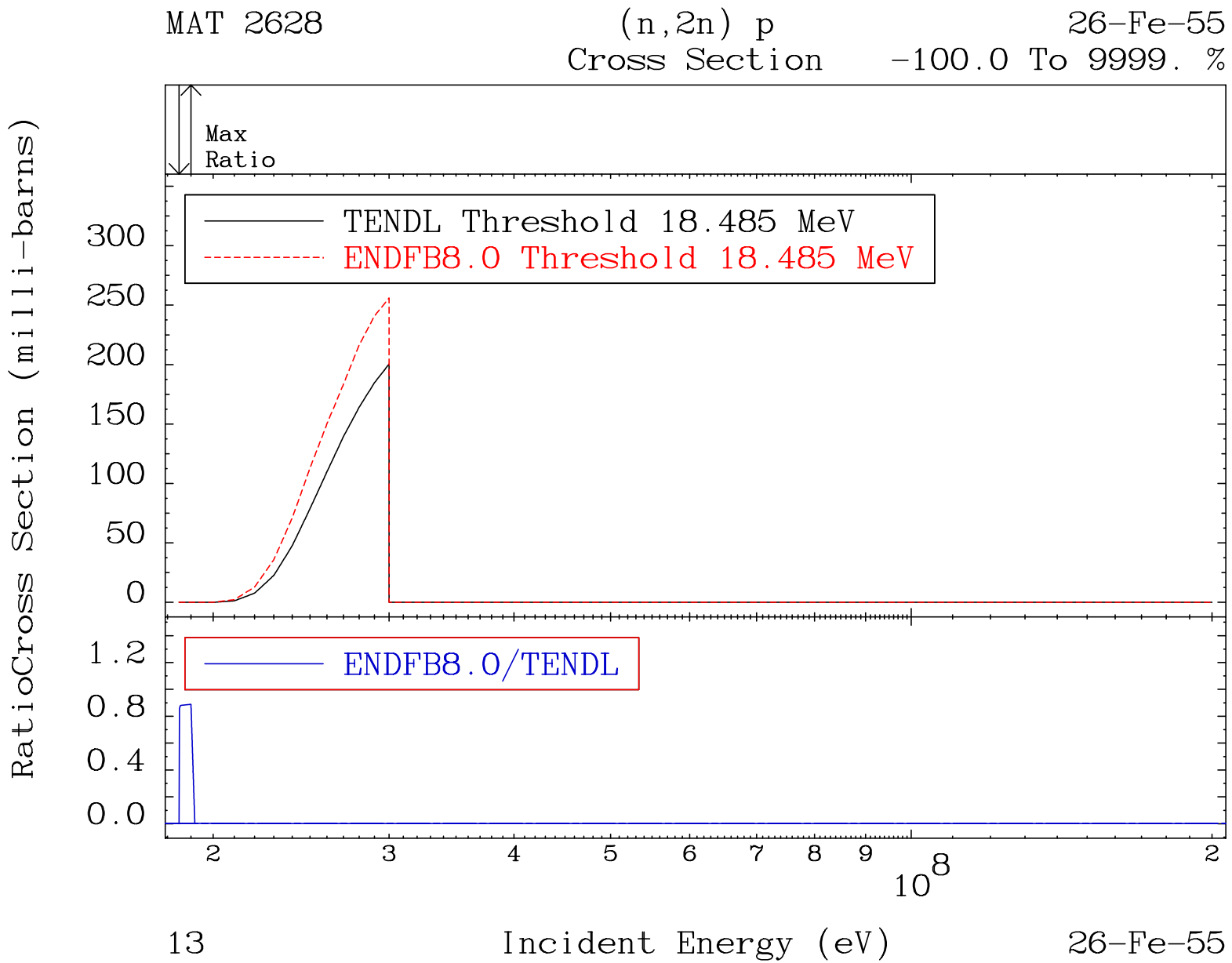

MAT 2628
(n,n') p
Cross Section
26-Fe-55
-100.0 To 20.97 %
Max
Ratio
TENDL Threshold 9.3813 MeV
ENDFB8.0 Threshold 9.3822 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
26-Fe-55

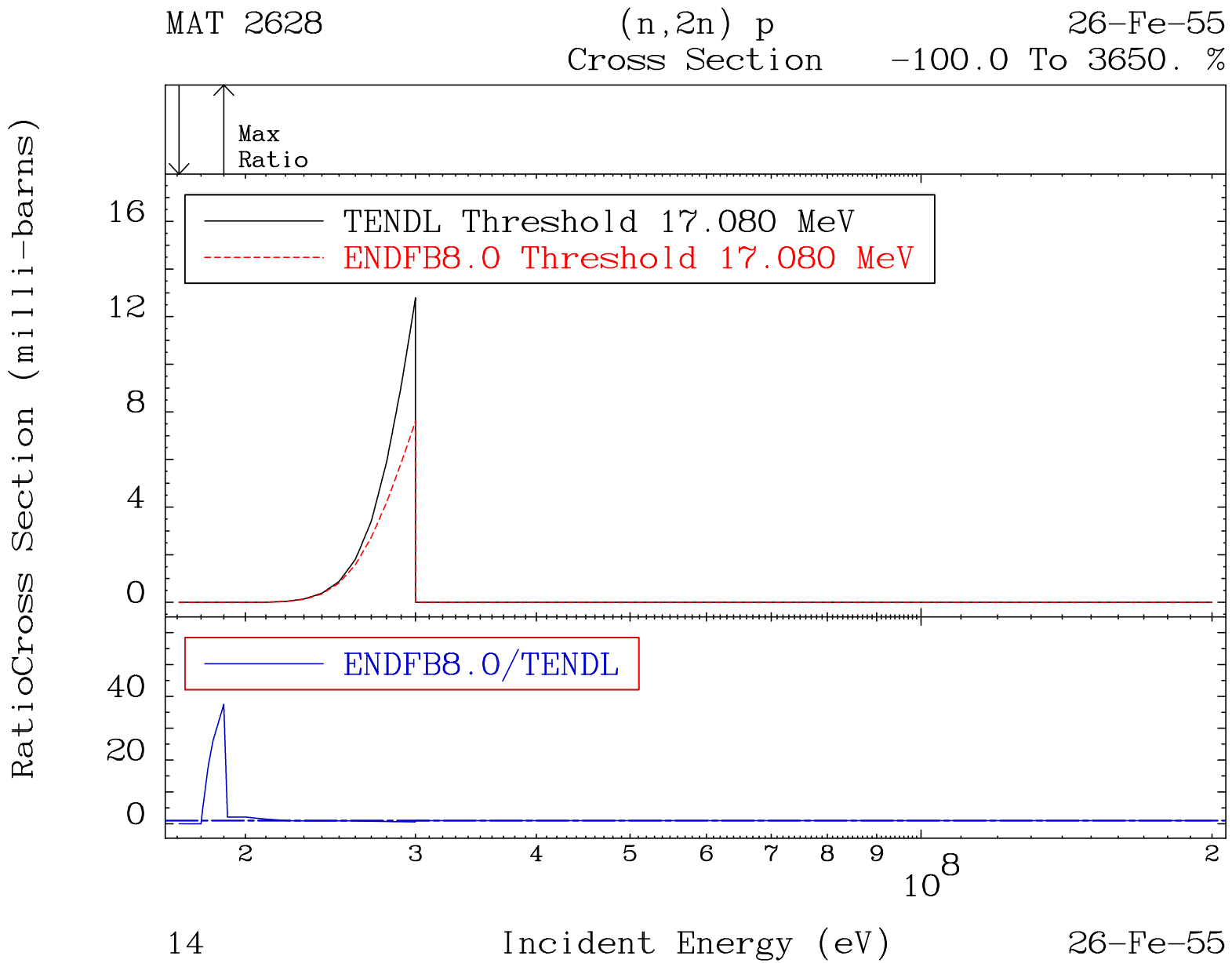

MAT 2628
(n,n') 2α
Cross Section
26-Fe-55
-100.0 To 4813. %
Min Ratio
Max Ratio
TENDL Threshold 17.713 MeV
ENDFB8.0 Threshold 17.713 MeV
ENDFB8.0/TENDL
Ratio Cross Section (10^-9 barns)
300
200
100
0
40
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
26-Fe-55

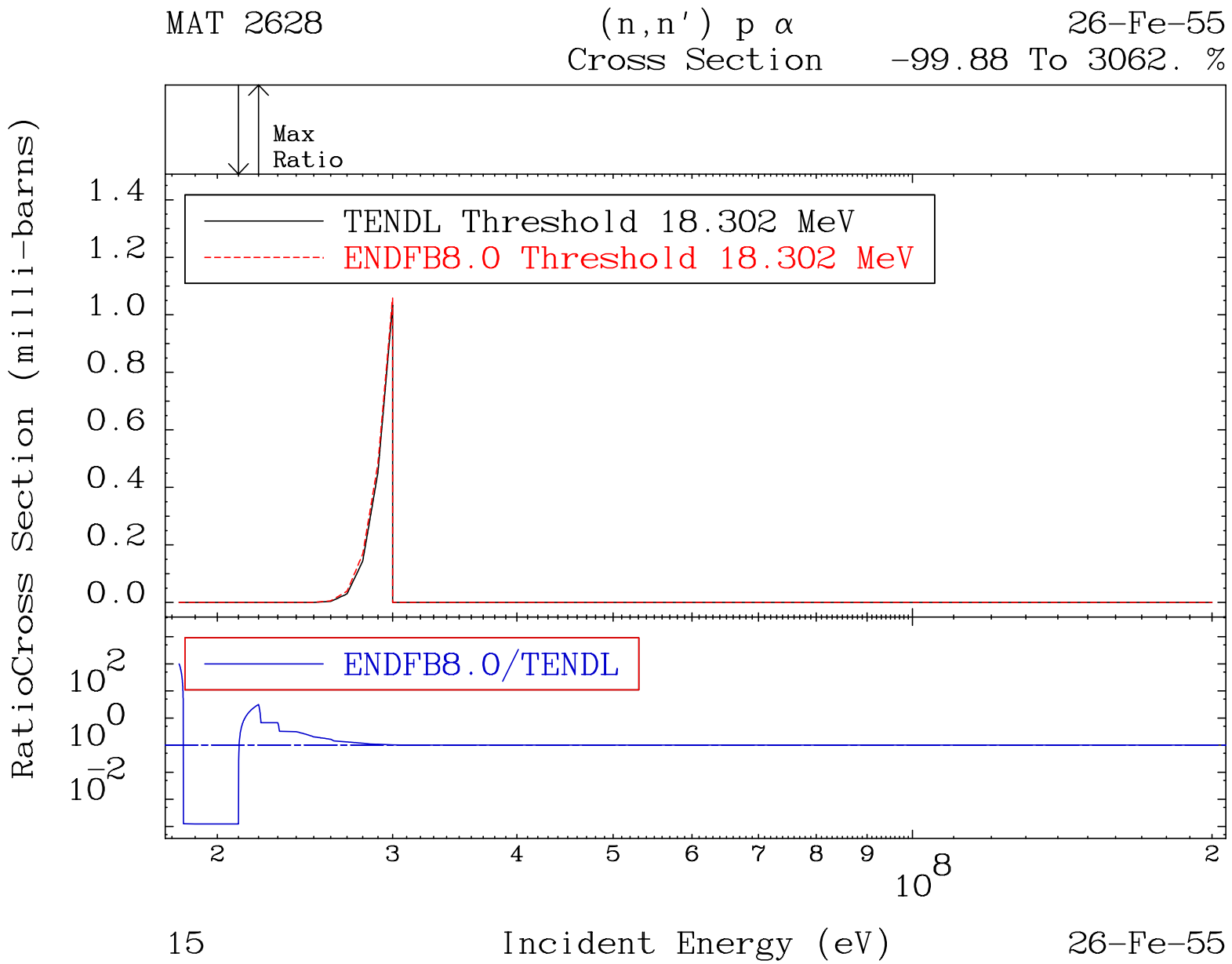

MAT 2628
(n,n') d
Cross Section
26-Fe-55
-100.0 To 8717. %
Max
Ratio
TENDL Threshold 16.219 MeV
ENDFB8.0 Threshold 16.219 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
120
80
40
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
26-Fe-55

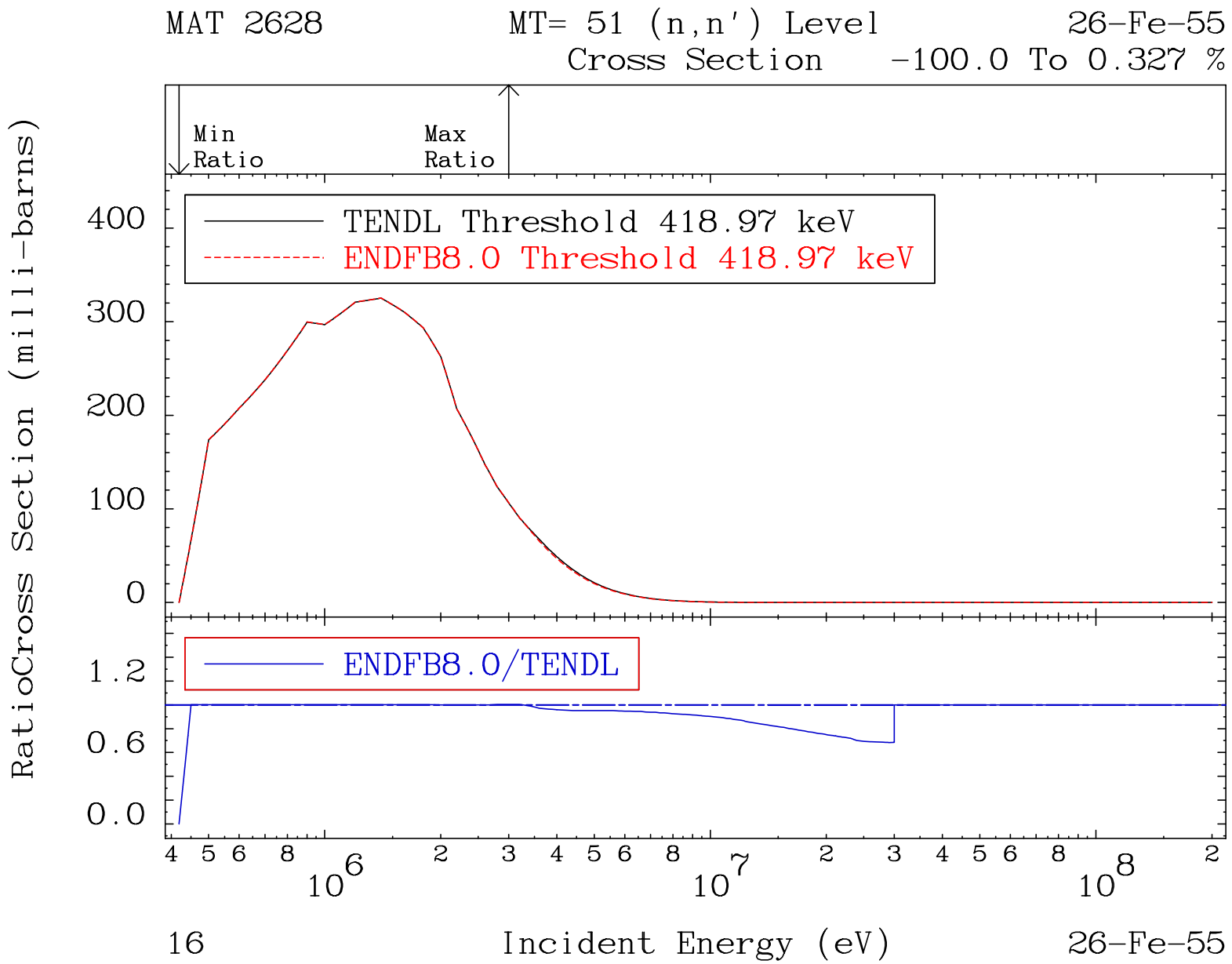

MAT 2628
(n,n') t
Cross Section
26-Fe-55
-100.0 To 5124. %
Max
Ratio
TENDL Threshold 22.119 MeV
ENDFB8.0 Threshold 22.122 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
80
40
0
20
40
60
80
100
120
140
160
180
200
11
Incident Energy (MeV)
26-Fe-55

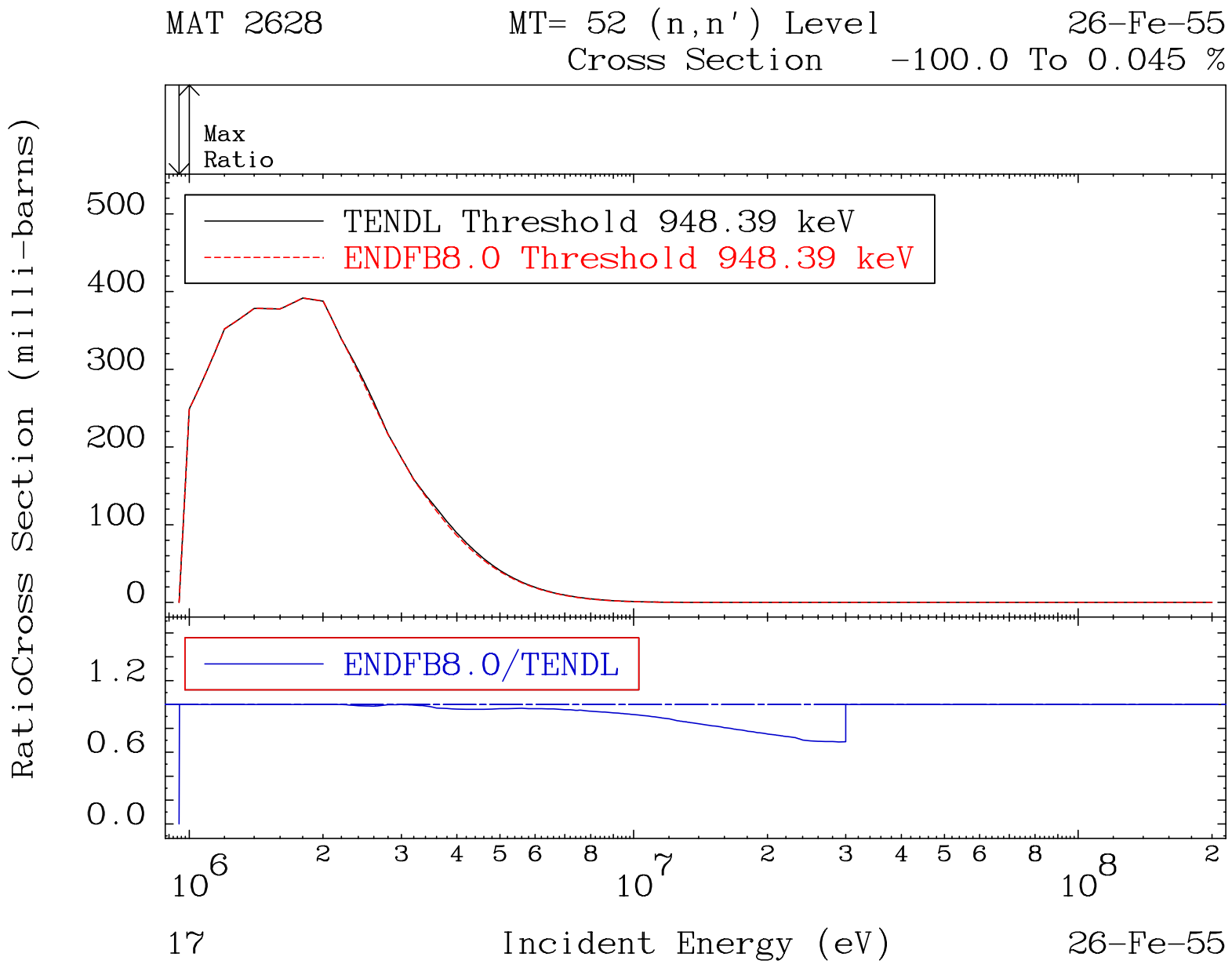

MAT 2628
(n,n') He-3
Cross Section
26-Fe-55
-100.0 To 832.2 %
Max
Ratio
TENDL Threshold 17.305 MeV
ENDFB8.0 Threshold 17.305 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
26-Fe-55

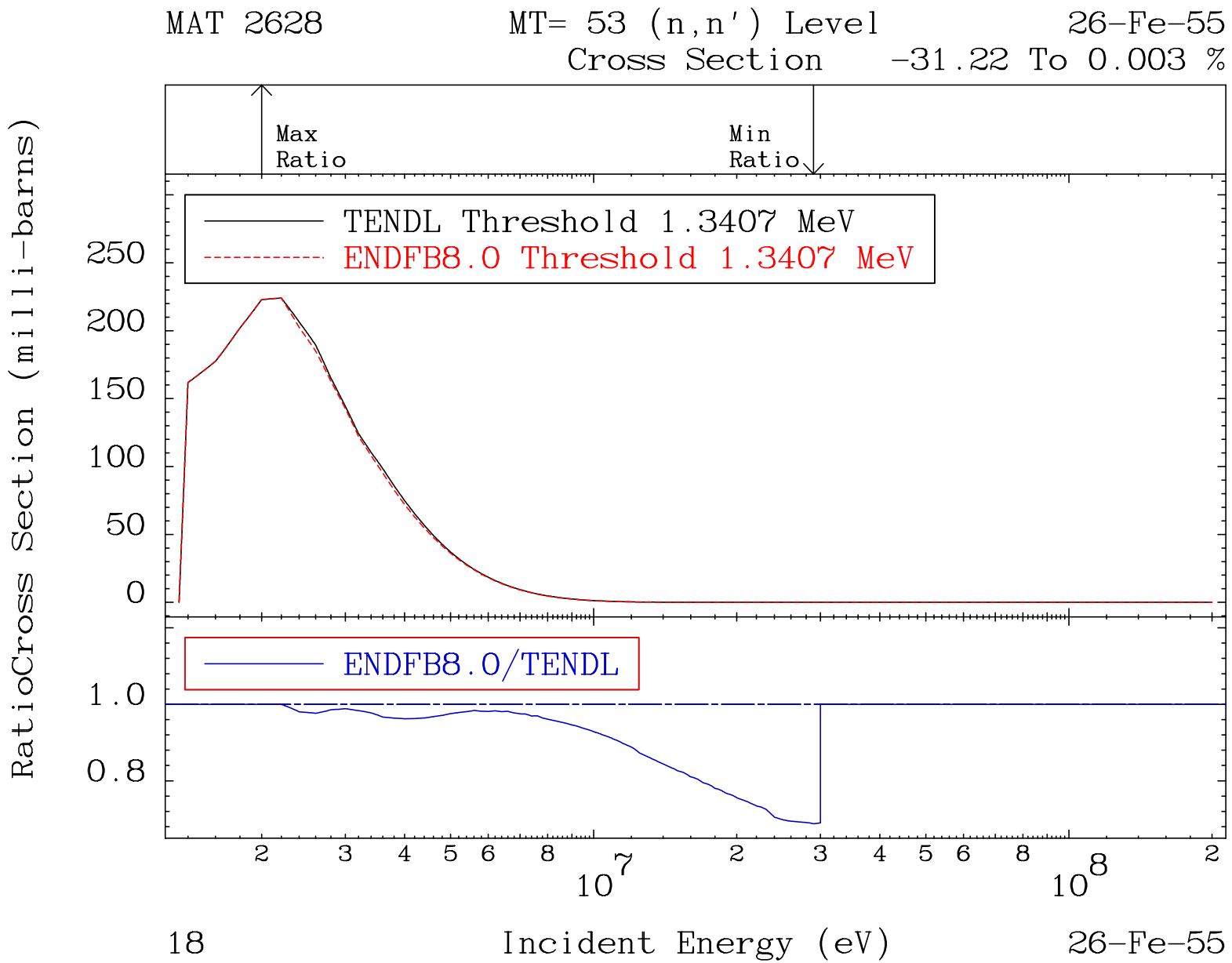

MAT 2628
(n,2n) p
Cross Section
26-Fe-55
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 18.485 MeV
ENDFB8.0 Threshold 18.485 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
26-Fe-55

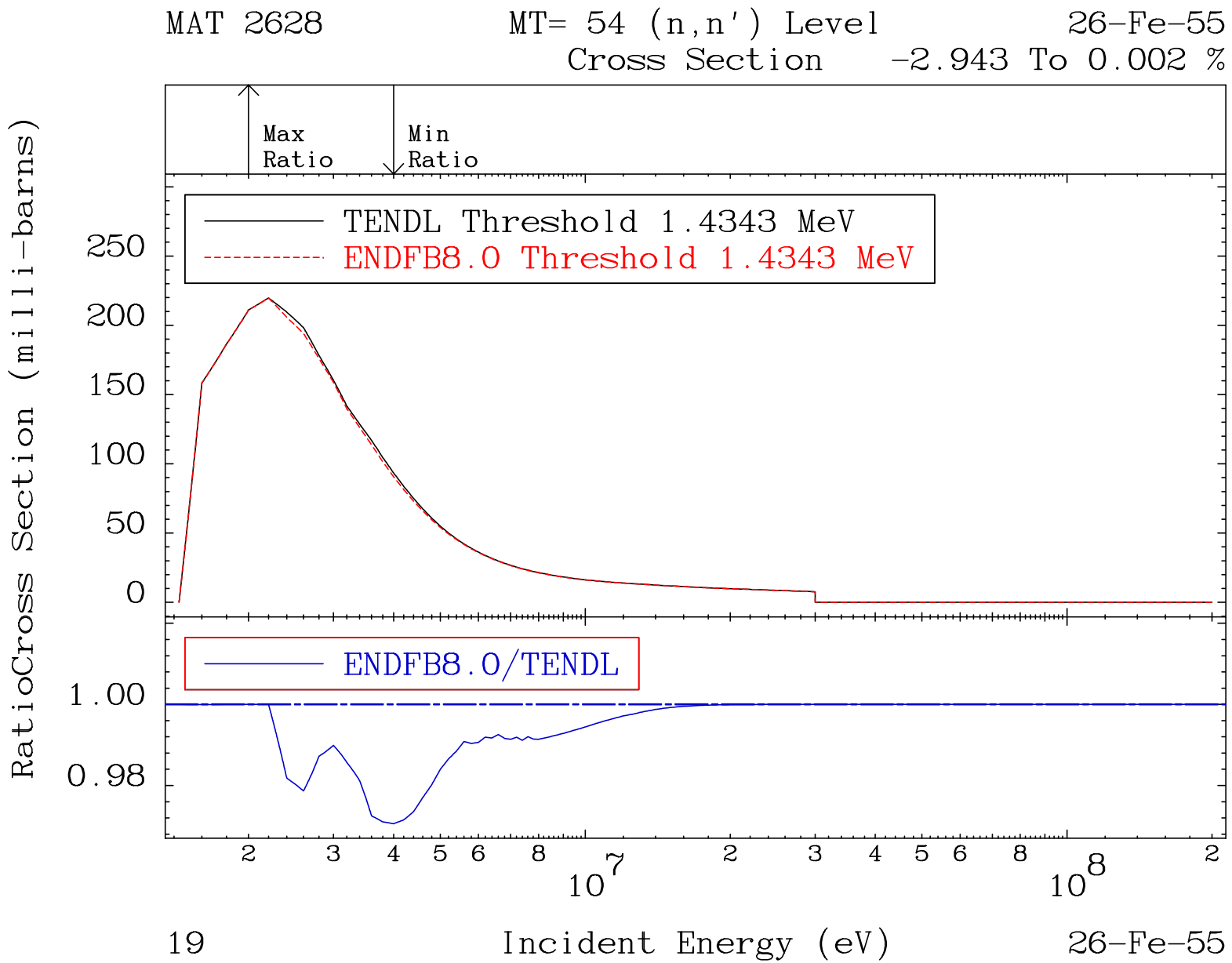

MAT 2628
(n,2n) p
Cross Section
26-Fe-55
-100.0 To 3650. %
Max
Ratio
TENDL Threshold 17.080 MeV
ENDFB8.0 Threshold 17.080 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
26-Fe-55

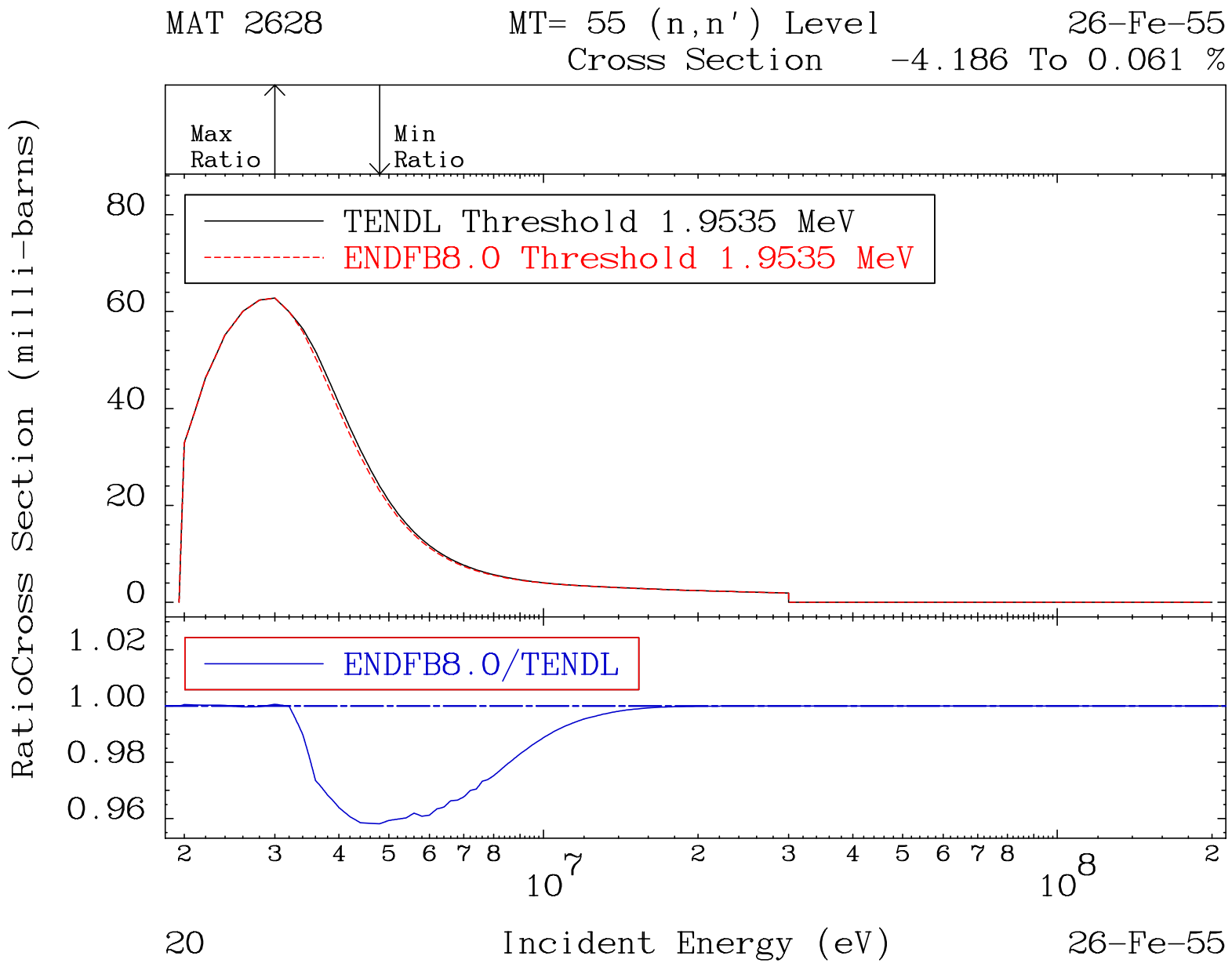

MAT 2628
(n,n') p α
Cross Section
26-Fe-55
-99.88 To 3062. %
Max
Ratio
TENDL Threshold 18.302 MeV
ENDFB8.0 Threshold 18.302 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
26-Fe-55

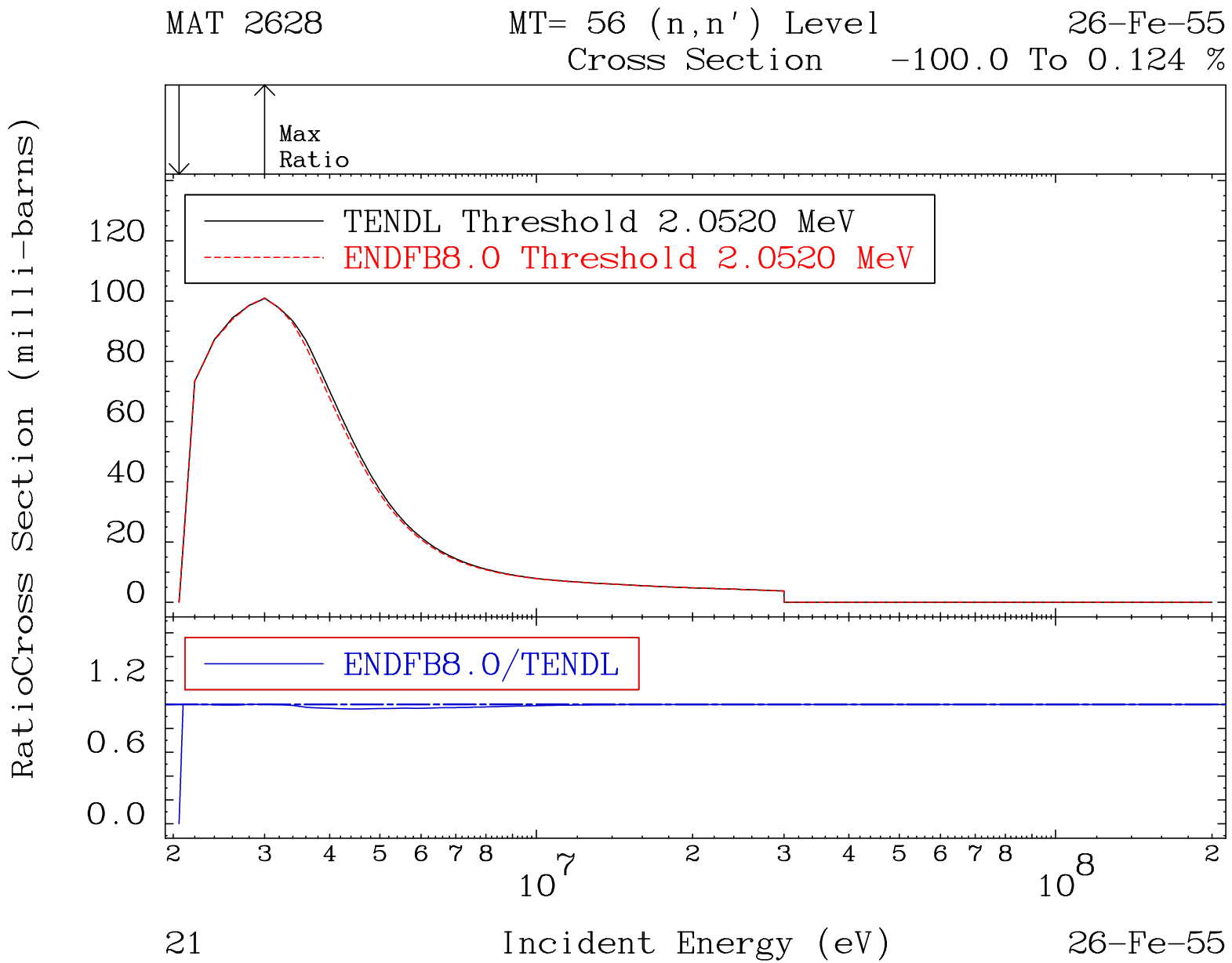

MAT 2628
MT= 51 (n,n') Level
26-Fe-55
Cross Section
-100.0 To 0.327 %
Min Ratio
Max Ratio
TENDL Threshold 418.97 keV
ENDFB8.0 Threshold 418.97 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
26-Fe-55

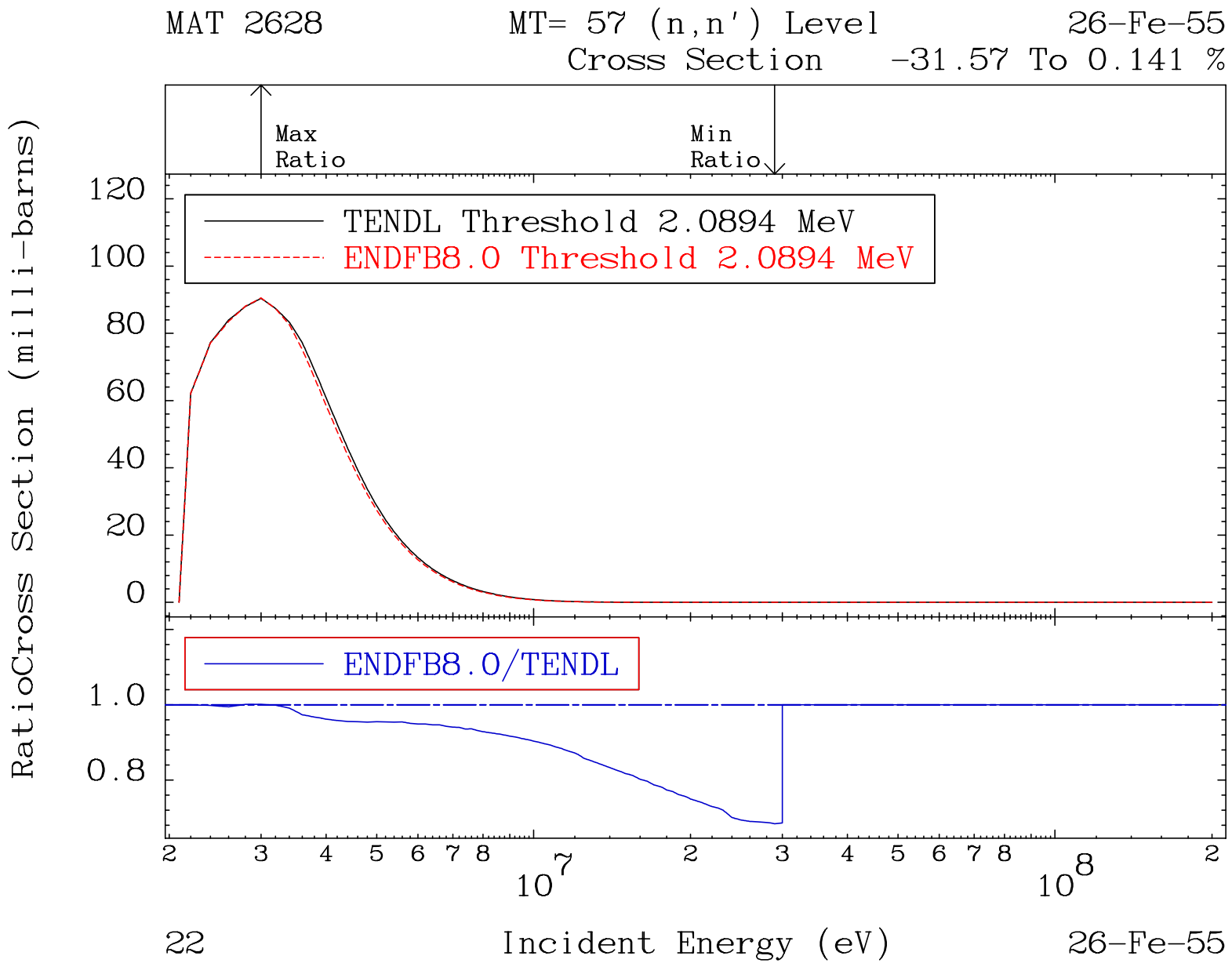

MAT 2628
MT= 52 (n,n') Level
26-Fe-55
Cross Section
-100.0 To 0.045 %
Max
Ratio
TENDL Threshold 948.39 keV
ENDFB8.0 Threshold 948.39 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
10^6
10^7
10^8
Incident Energy (eV)
17
26-Fe-55

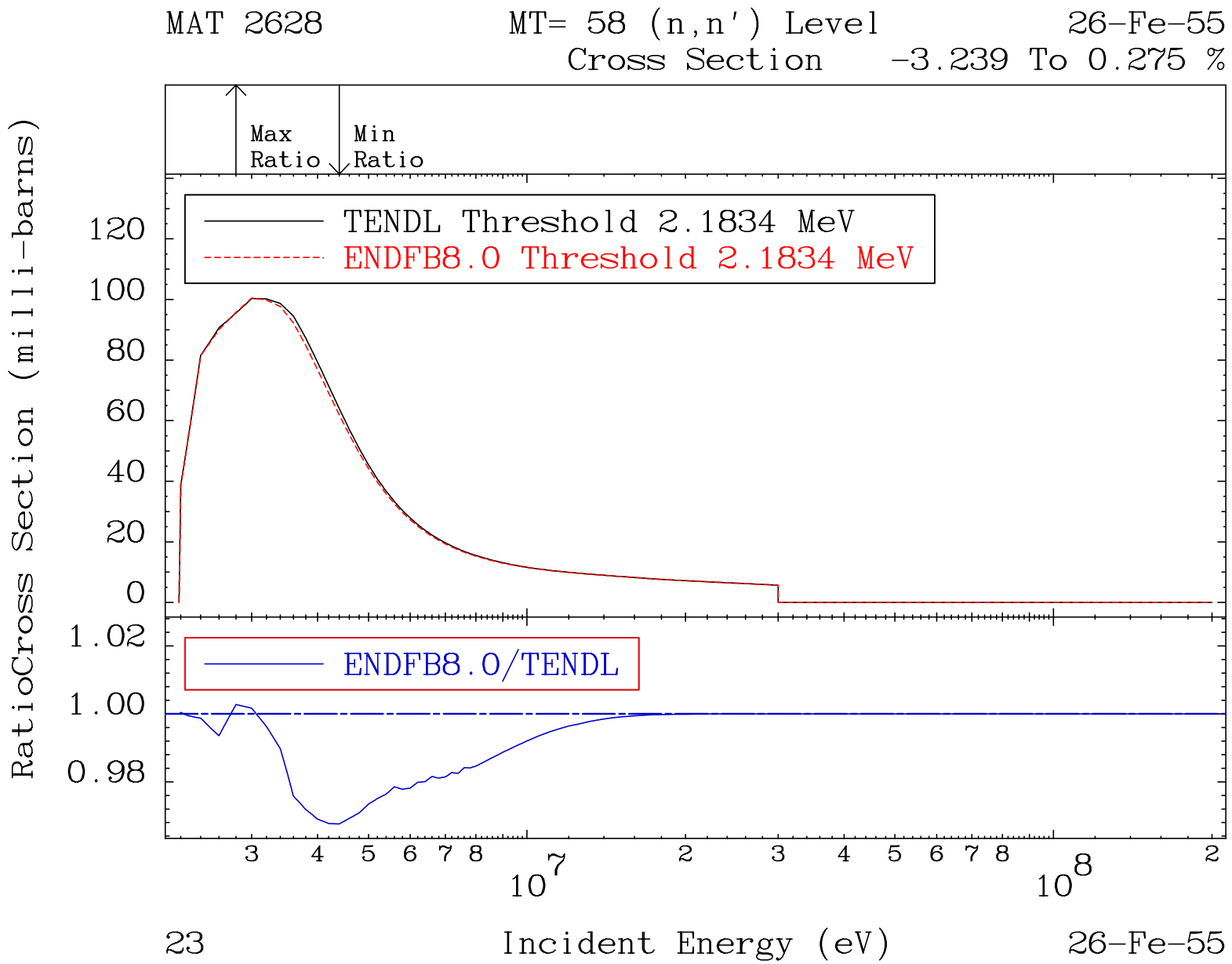

MAT 2628
MT= 53 (n,n') Level
26-Fe-55
Cross Section
-31.22 To 0.003 %
Max Ratio
Min Ratio
TENDL Threshold 1.3407 MeV
ENDFB8.0 Threshold 1.3407 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.0
0.8
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
18
26-Fe-55

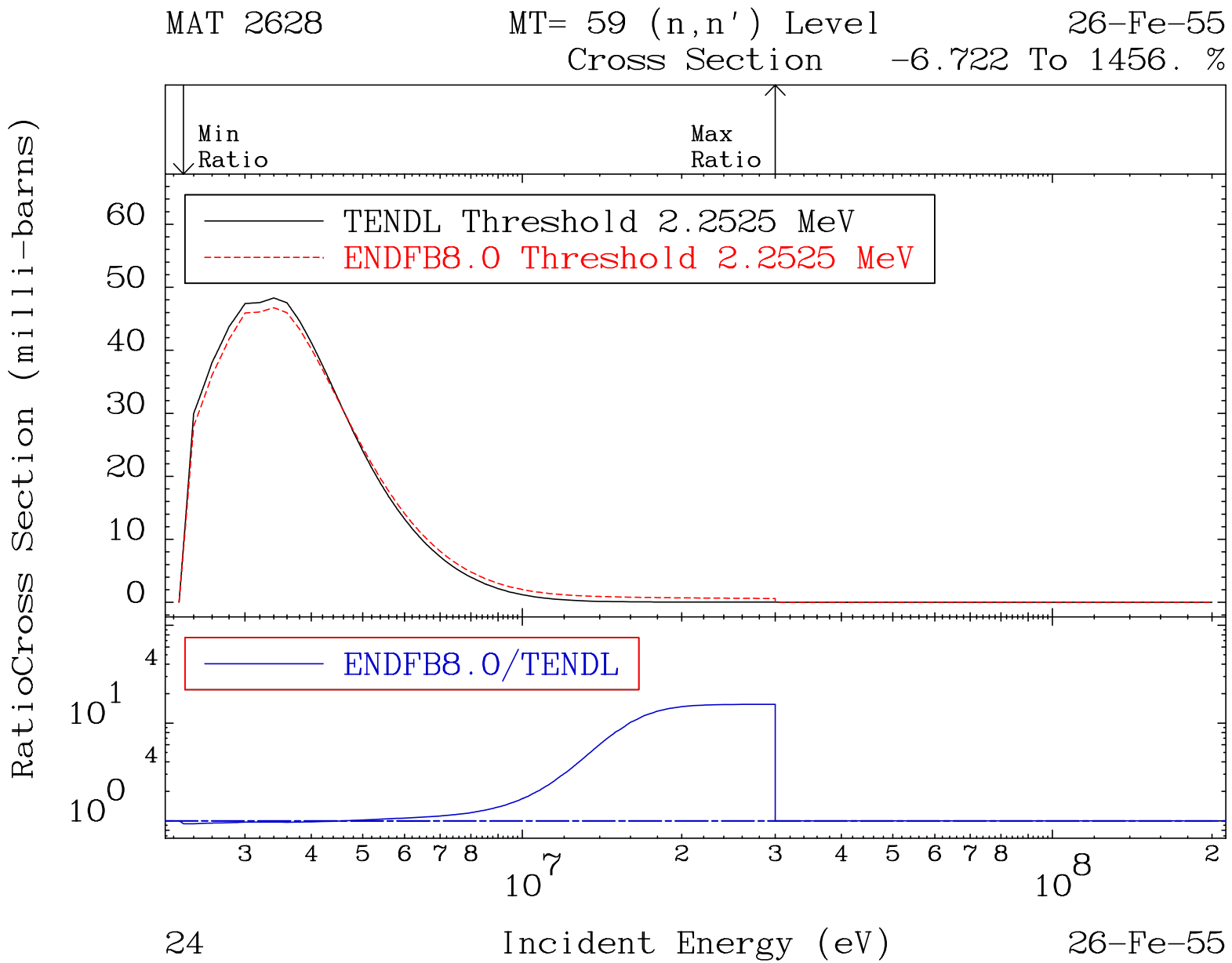

MAT 2628
MT= 54 (n,n') Level
26-Fe-55
Cross Section
-2.943 To 0.002 %
Max Ratio
Min Ratio
TENDL Threshold 1.4343 MeV
ENDFB8.0 Threshold 1.4343 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.00
0.98
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
19
Incident Energy (eV)
26-Fe-55

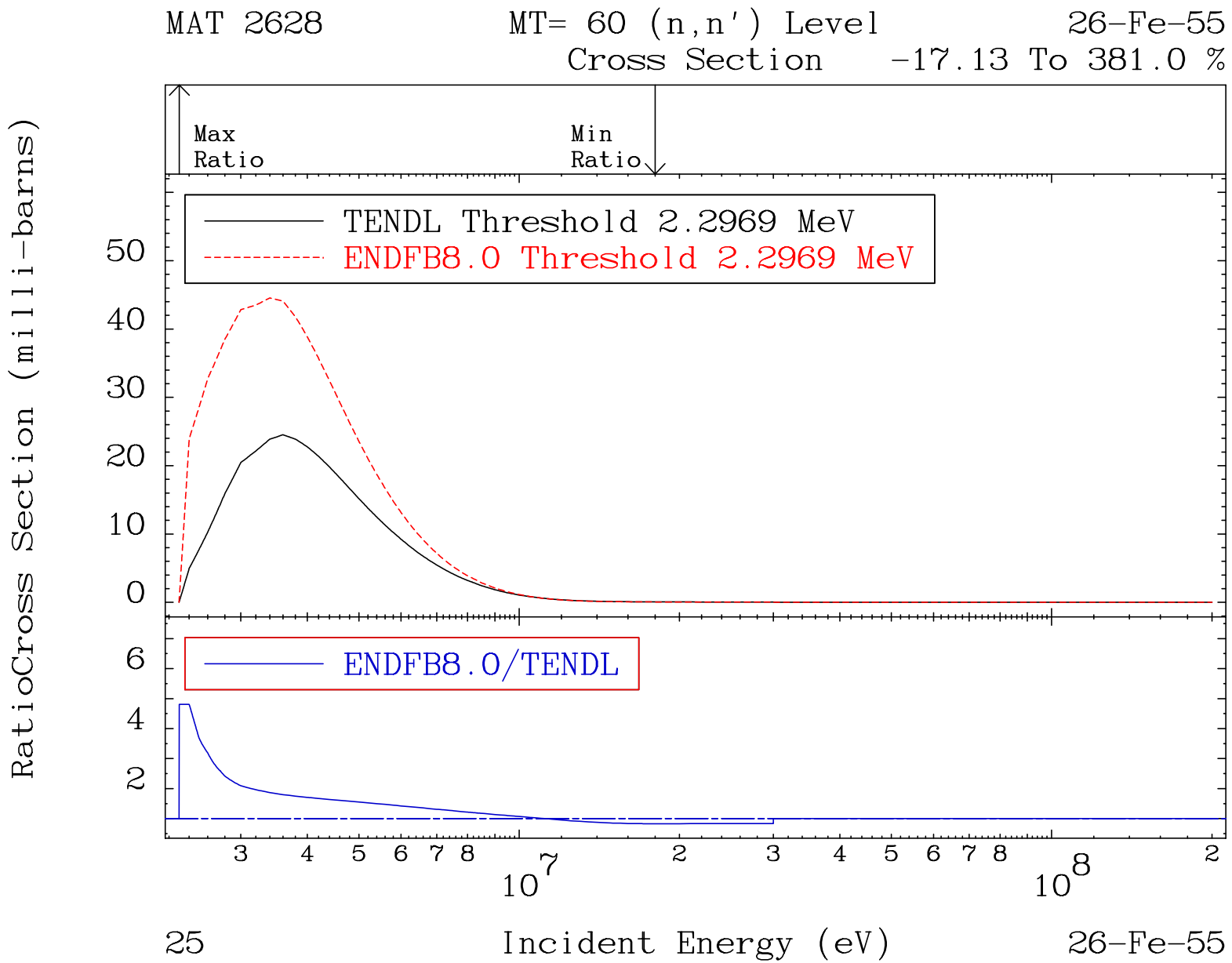

MAT 2628
MT= 55 (n,n') Level
26-Fe-55
Cross Section
-4.186 To 0.061 %
Max Ratio
Min Ratio
TENDL Threshold 1.9535 MeV
ENDFB8.0 Threshold 1.9535 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.02
1.00
0.98
0.96
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
26-Fe-55

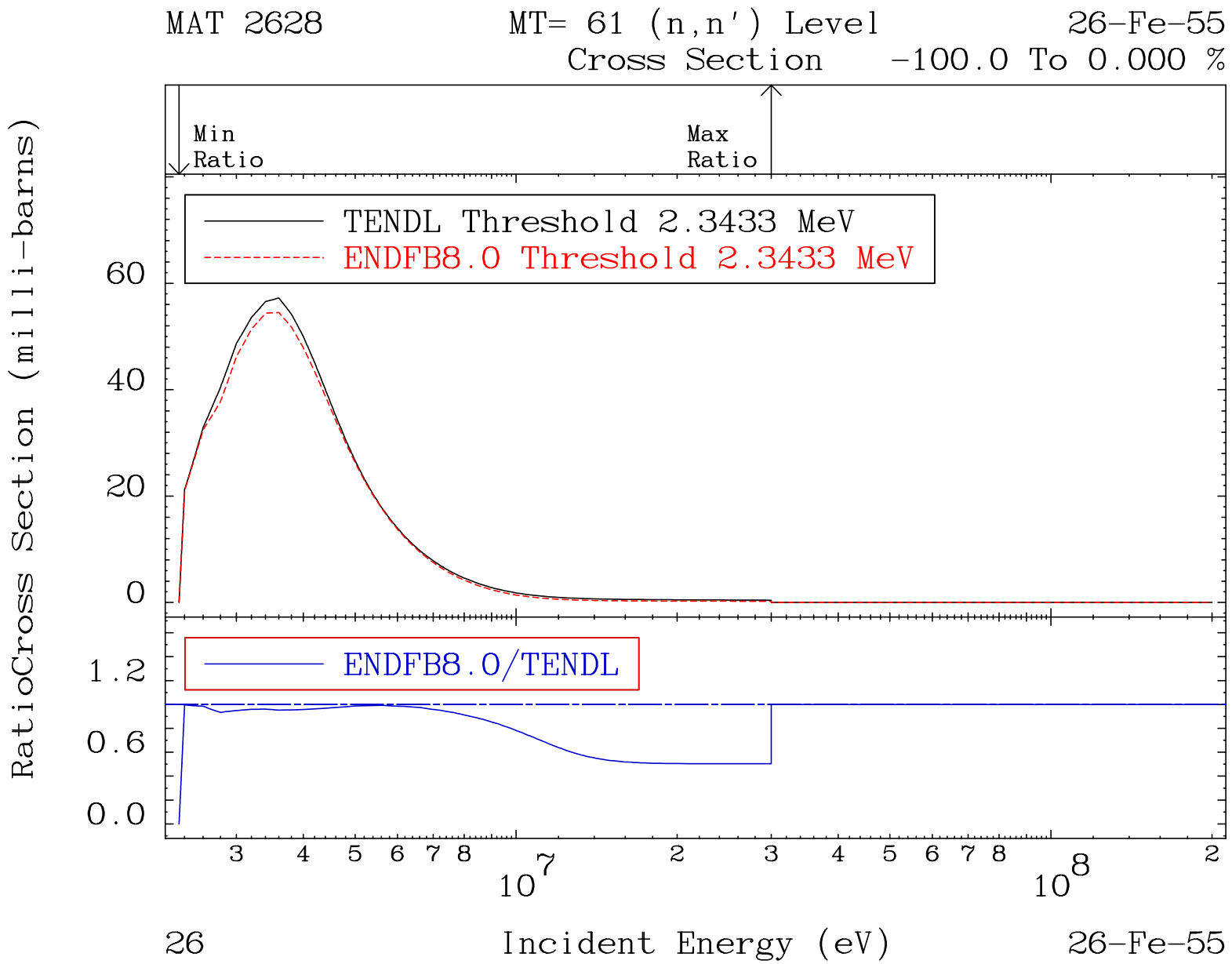

MAT 2628
MT= 56 (n,n') Level
26-Fe-55
Cross Section
-100.0 To 0.124 %
Max
Ratio
TENDL Threshold 2.0520 MeV
ENDFB8.0 Threshold 2.0520 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
26-Fe-55

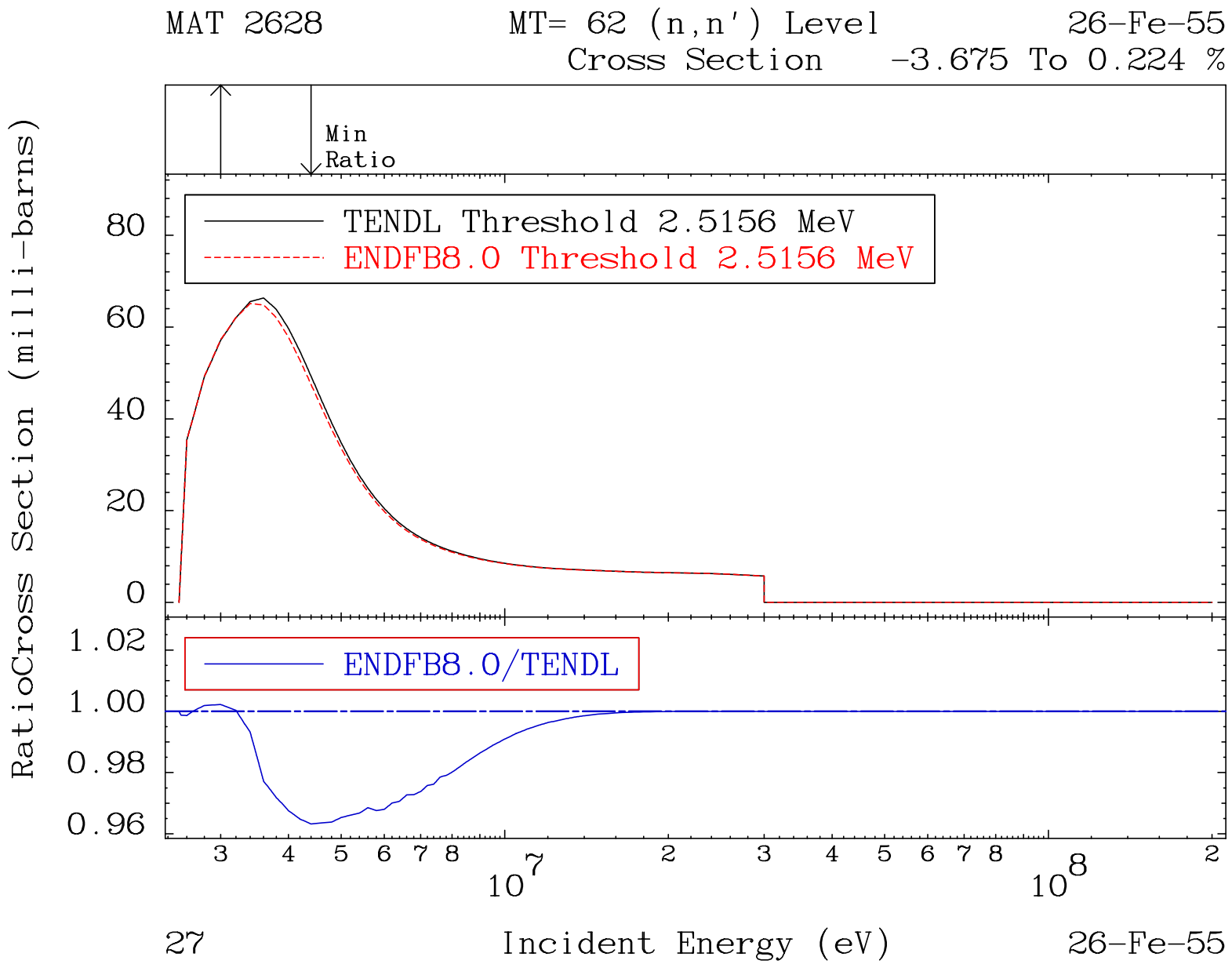

MAT 2628
MT= 57 (n,n') Level
26-Fe-55
Cross Section
-31.57 To 0.141 %
Max Ratio
Min Ratio
TENDL Threshold 2.0894 MeV
ENDFB8.0 Threshold 2.0894 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.0
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
26-Fe-55

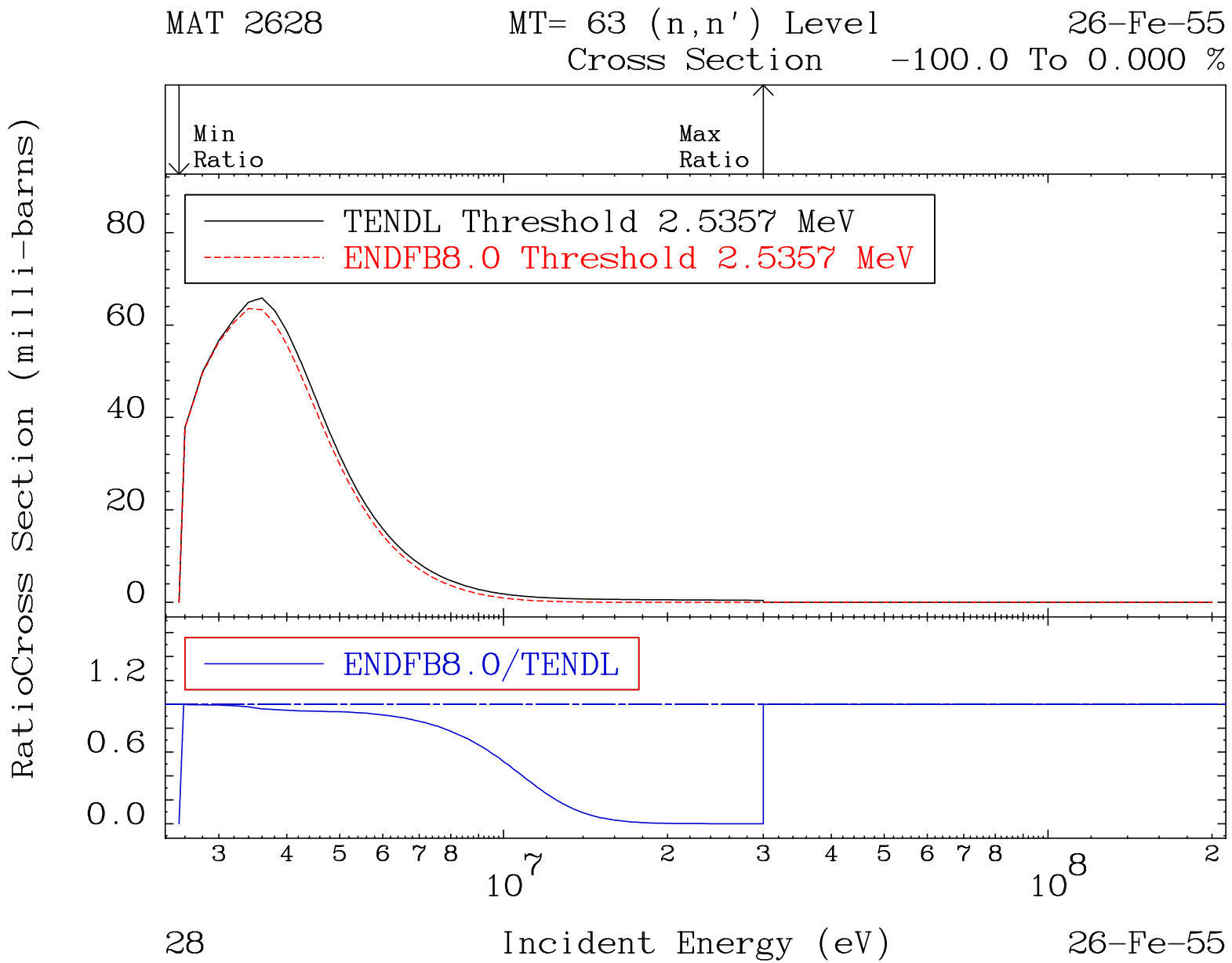

MAT 2628
MT= 58 (n,n') Level
26-Fe-55
Cross Section
-3.239 To 0.275 %
Max Ratio
Min Ratio
TENDL Threshold 2.1834 MeV
ENDFB8.0 Threshold 2.1834 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.02
1.00
0.98
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
26-Fe-55

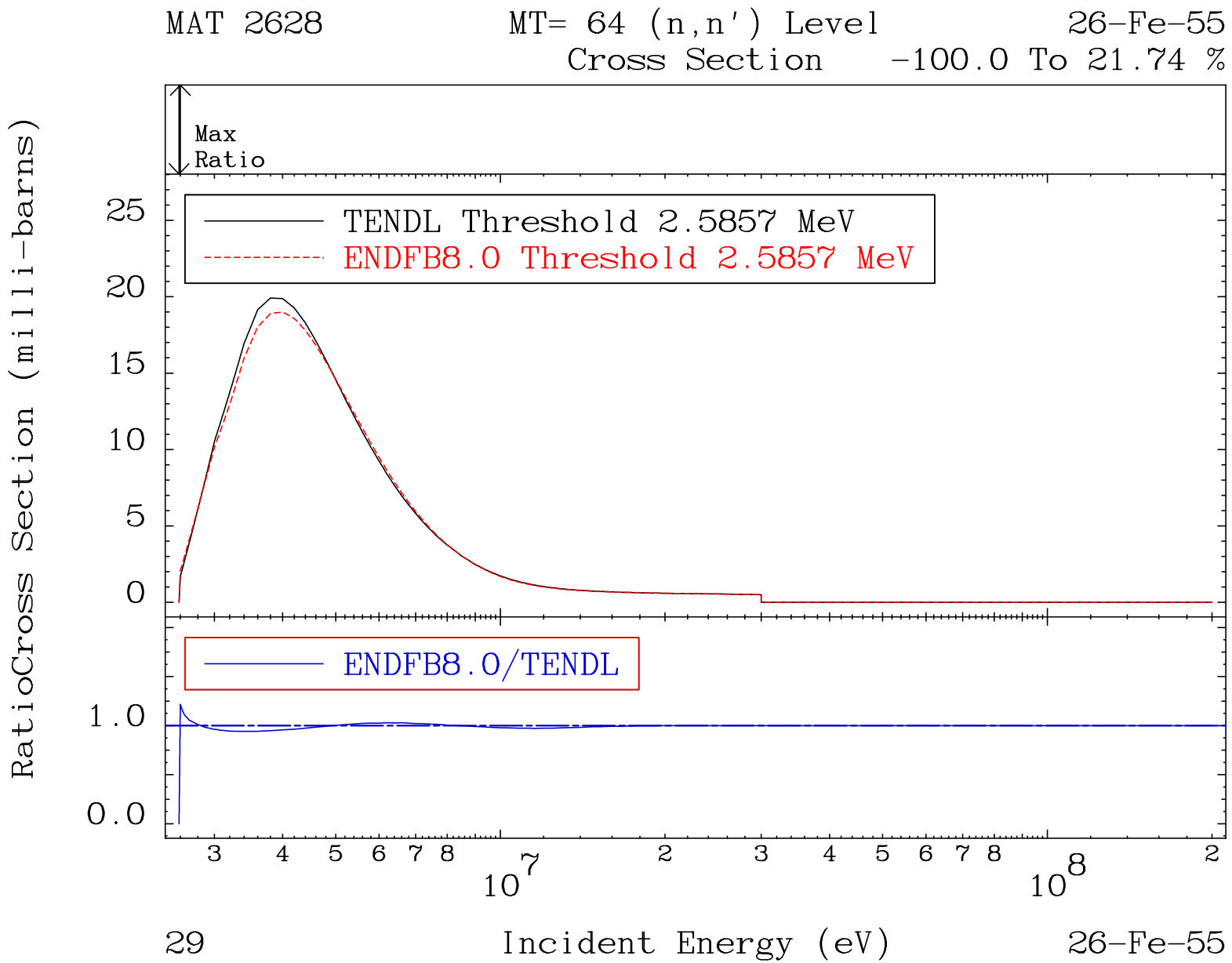

MAT 2628
MT= 59 (n,n') Level
26-Fe-55
Cross Section -6.722 To 1456. %
Min Ratio
Max Ratio
TENDL Threshold 2.2525 MeV
ENDFB8.0 Threshold 2.2525 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
26-Fe-55

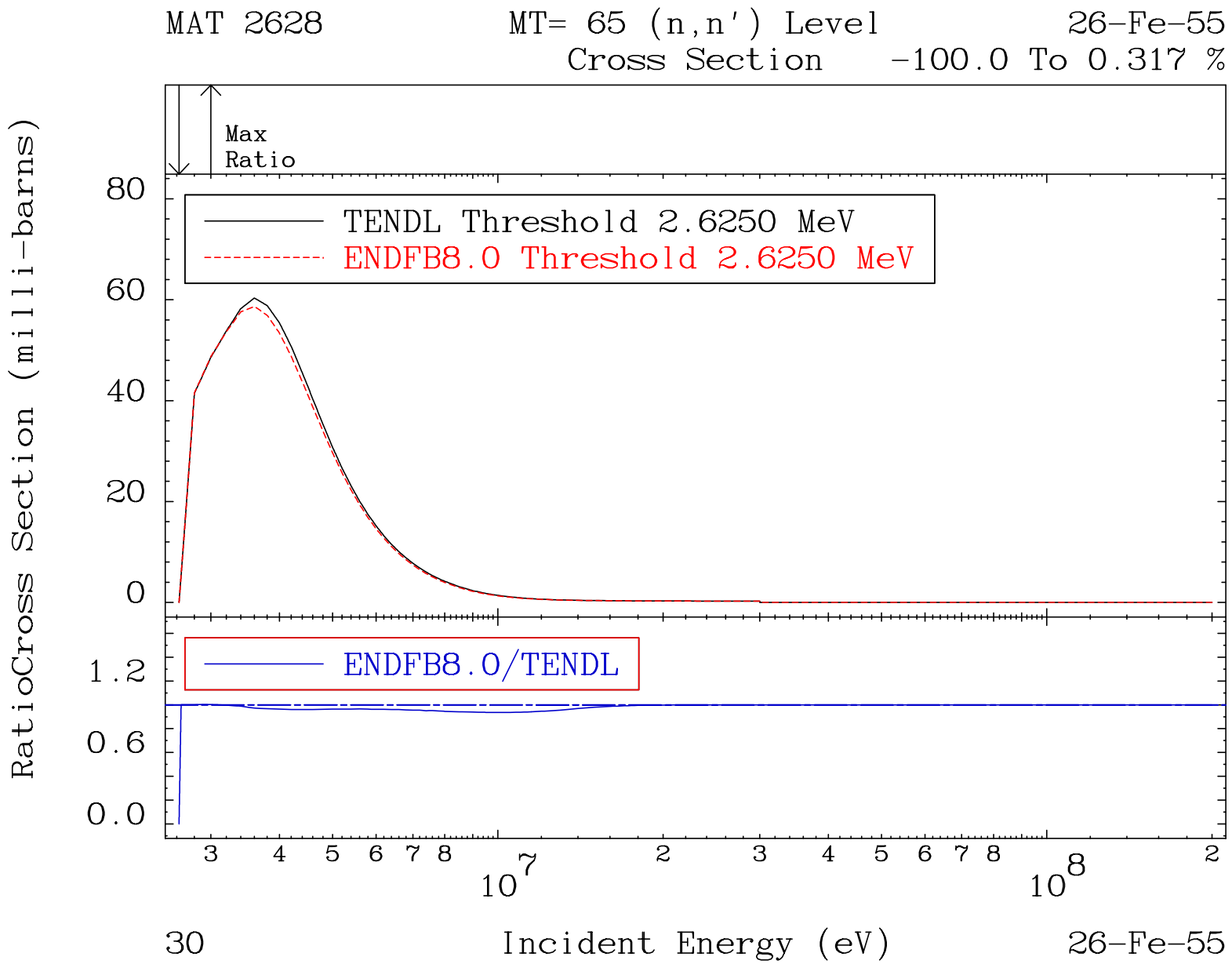

MAT 2628
MT= 60 (n,n') Level
26-Fe-55
Cross Section -17.13 To 381.0 %
Max Ratio
Min Ratio
TENDL Threshold 2.2969 MeV
ENDFB8.0 Threshold 2.2969 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
6
4
2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
26-Fe-55

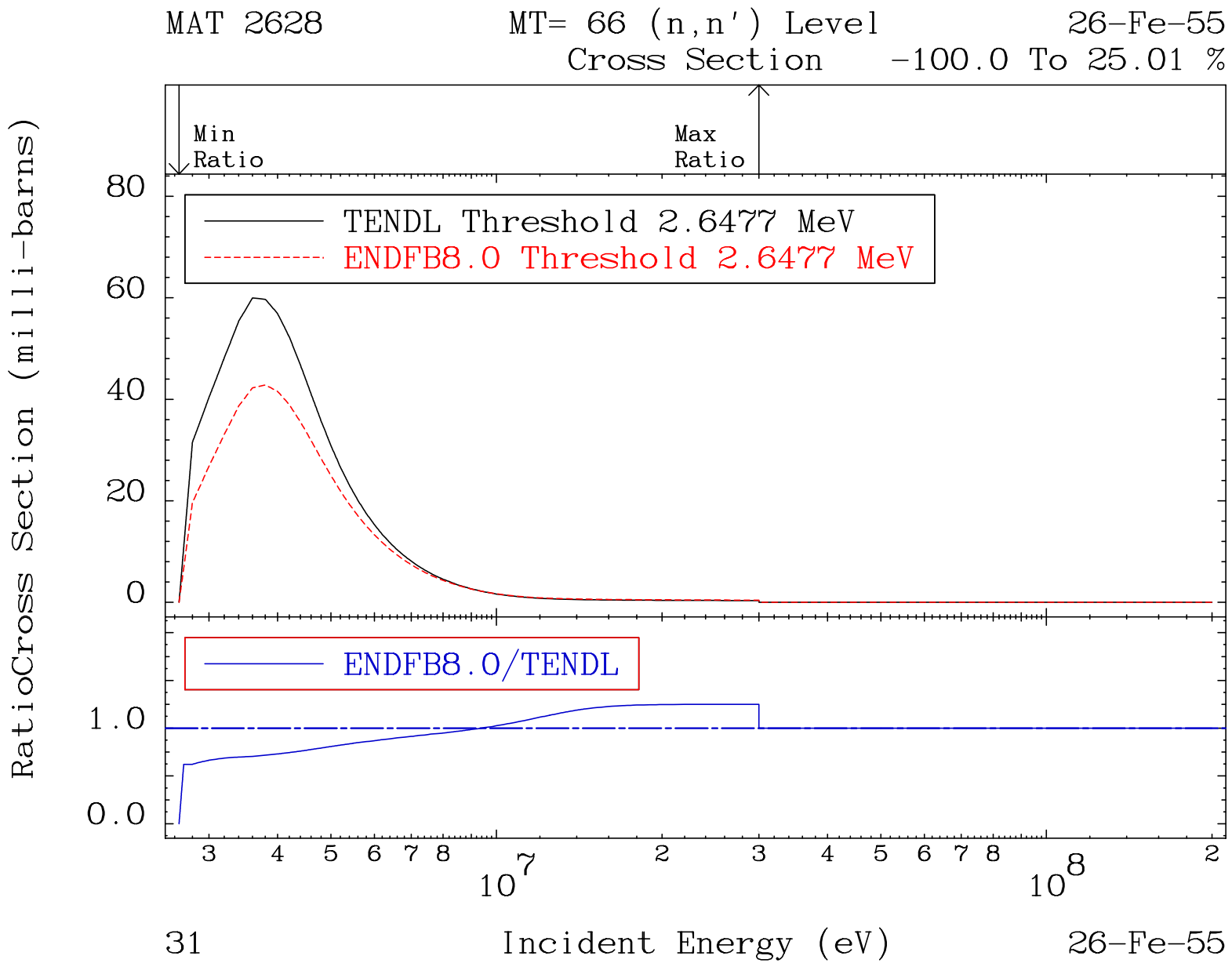

MAT 2628
MT= 61 (n,n') Level
26-Fe-55
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.3433 MeV
ENDFB8.0 Threshold 2.3433 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
26-Fe-55

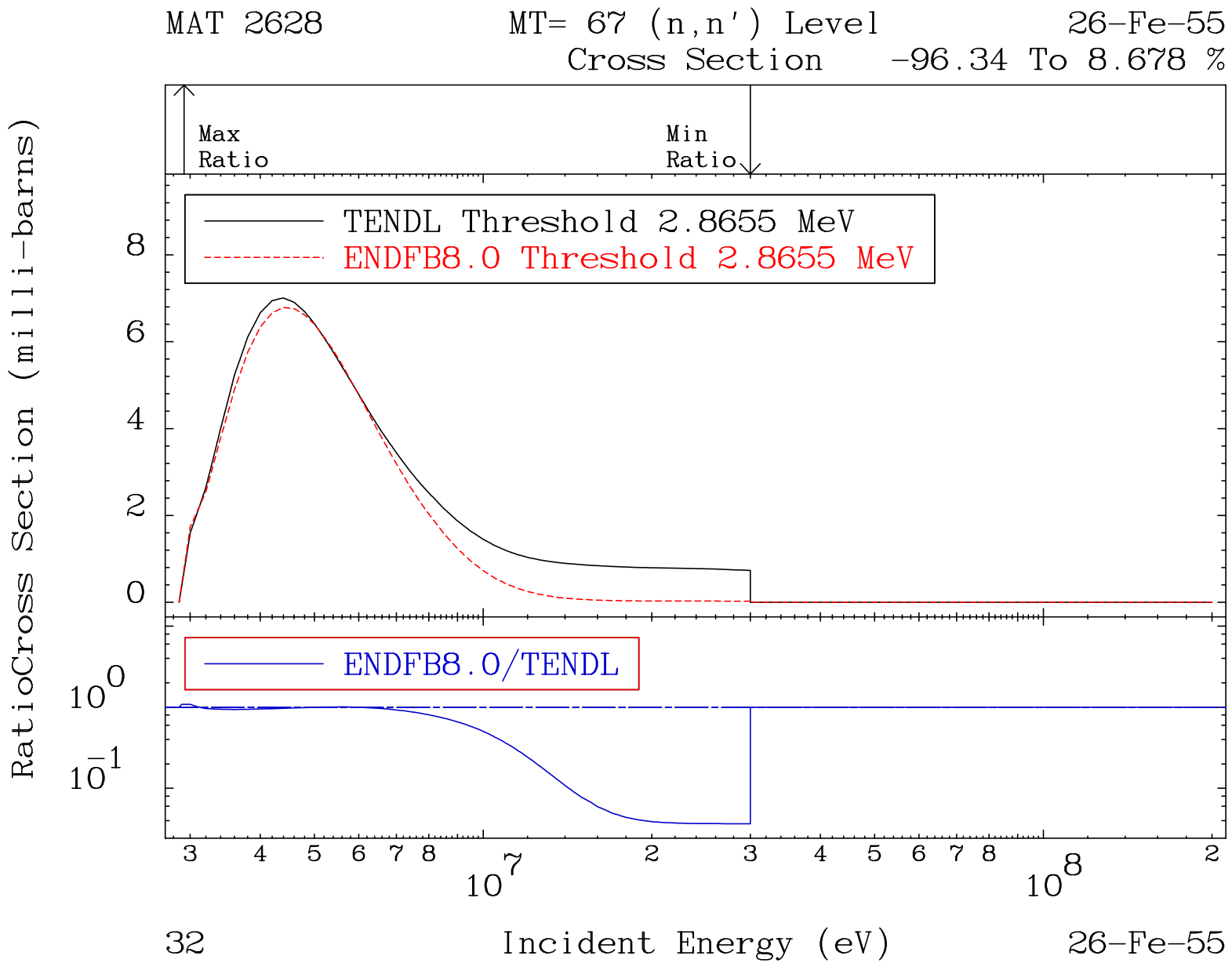

MAT 2628
MT= 62 (n,n') Level
26-Fe-55
Cross Section
-3.675 To 0.224 %
Min
Ratio
TENDL Threshold 2.5156 MeV
ENDFB8.0 Threshold 2.5156 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.02
1.00
0.98
0.96
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
27
26-Fe-55

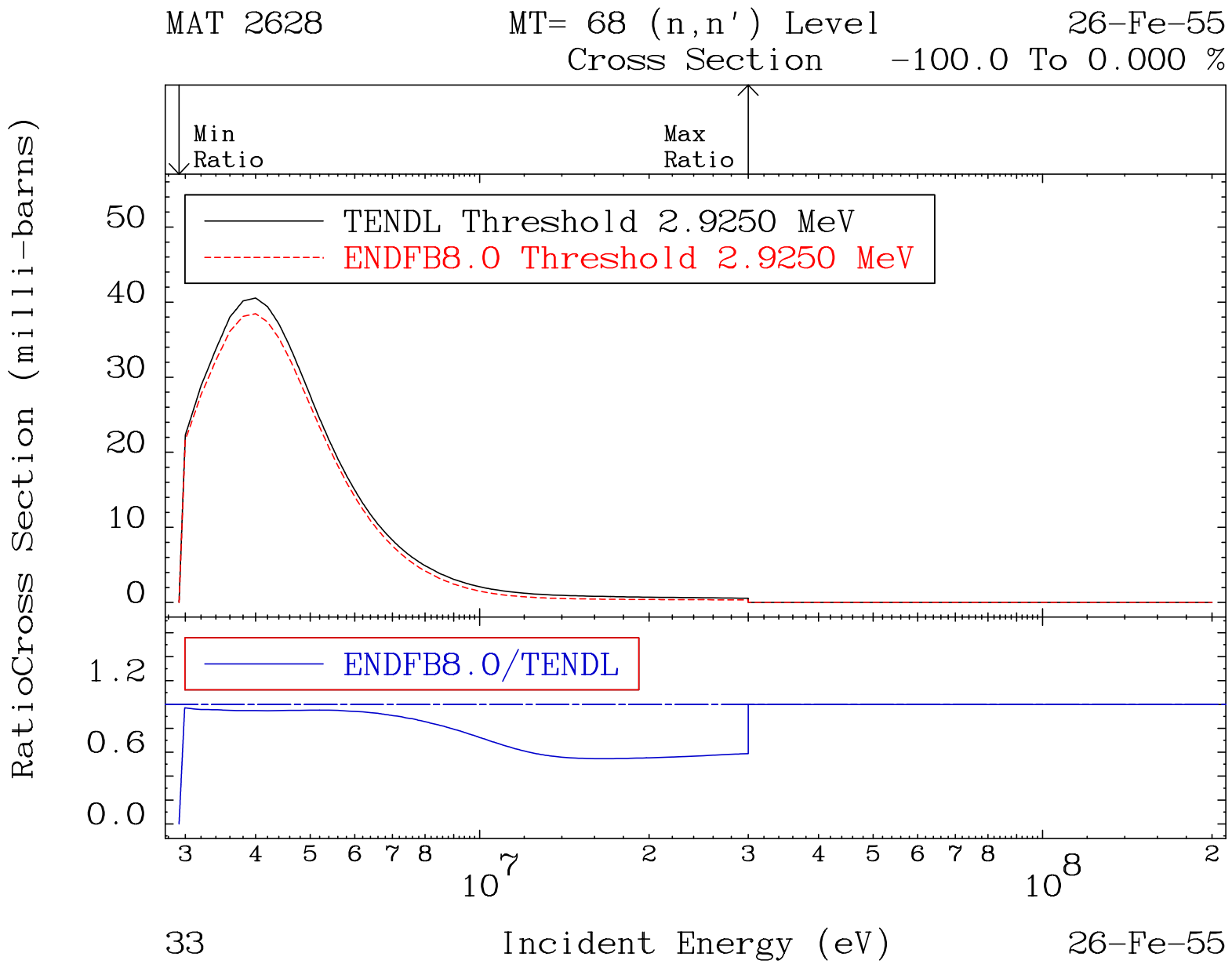

MAT 2628
MT= 63 (n,n') Level
26-Fe-55
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.5357 MeV
ENDFB8.0 Threshold 2.5357 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
26-Fe-55

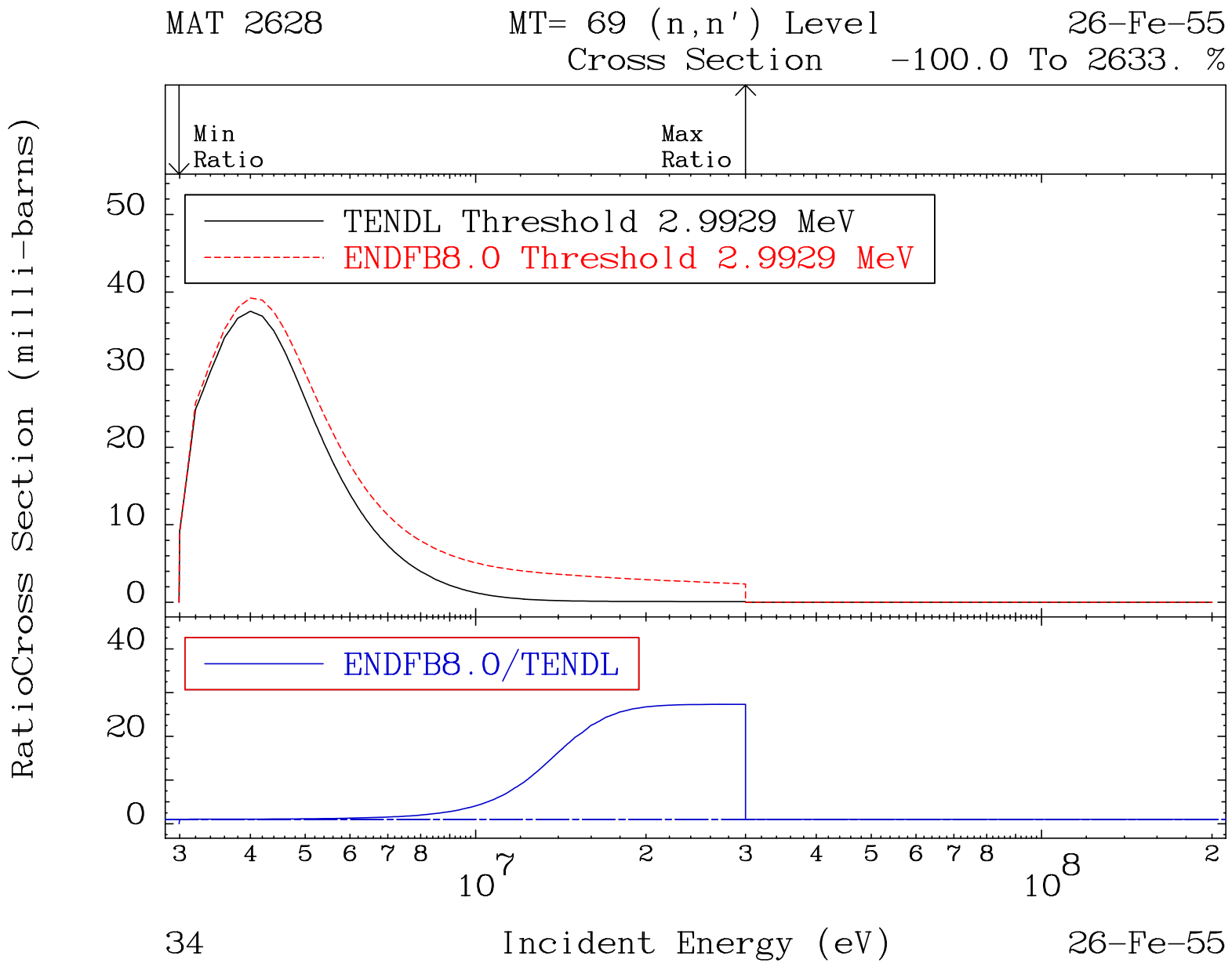

MAT 2628
MT= 64 (n,n') Level
26-Fe-55
Cross Section
-100.0 To 21.74 %
Max
Ratio
TENDL Threshold 2.5857 MeV
ENDFB8.0 Threshold 2.5857 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
26-Fe-55

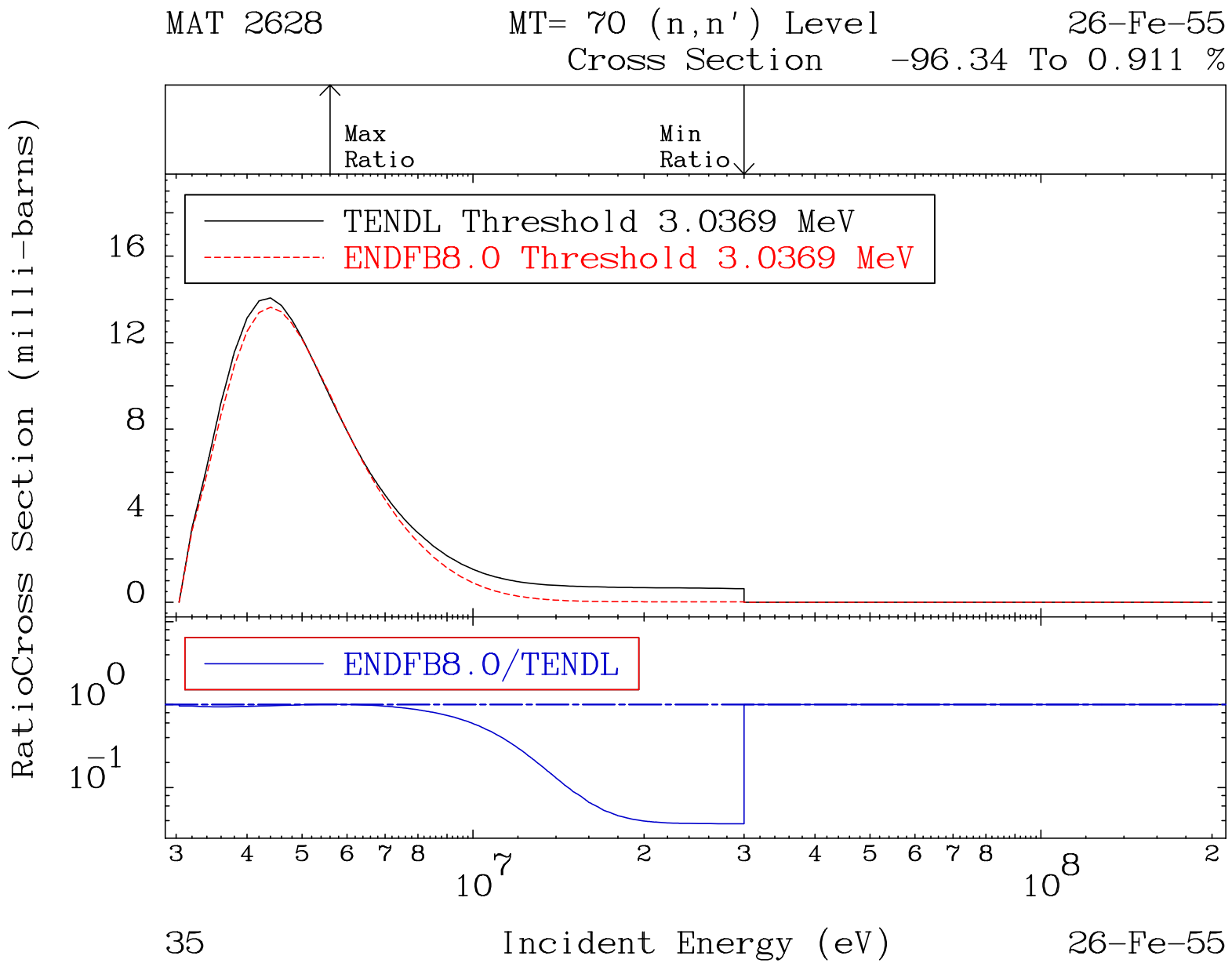

MAT 2628
MT= 65 (n,n') Level
26-Fe-55
Cross Section
-100.0 To 0.317 %
Max
Ratio
80
60
40
20
0
TENDL Threshold 2.6250 MeV
ENDFB8.0 Threshold 2.6250 MeV
1.2
0.6
0.0
ENDFB8.0/TENDL
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
30
Incident Energy (eV)
26-Fe-55

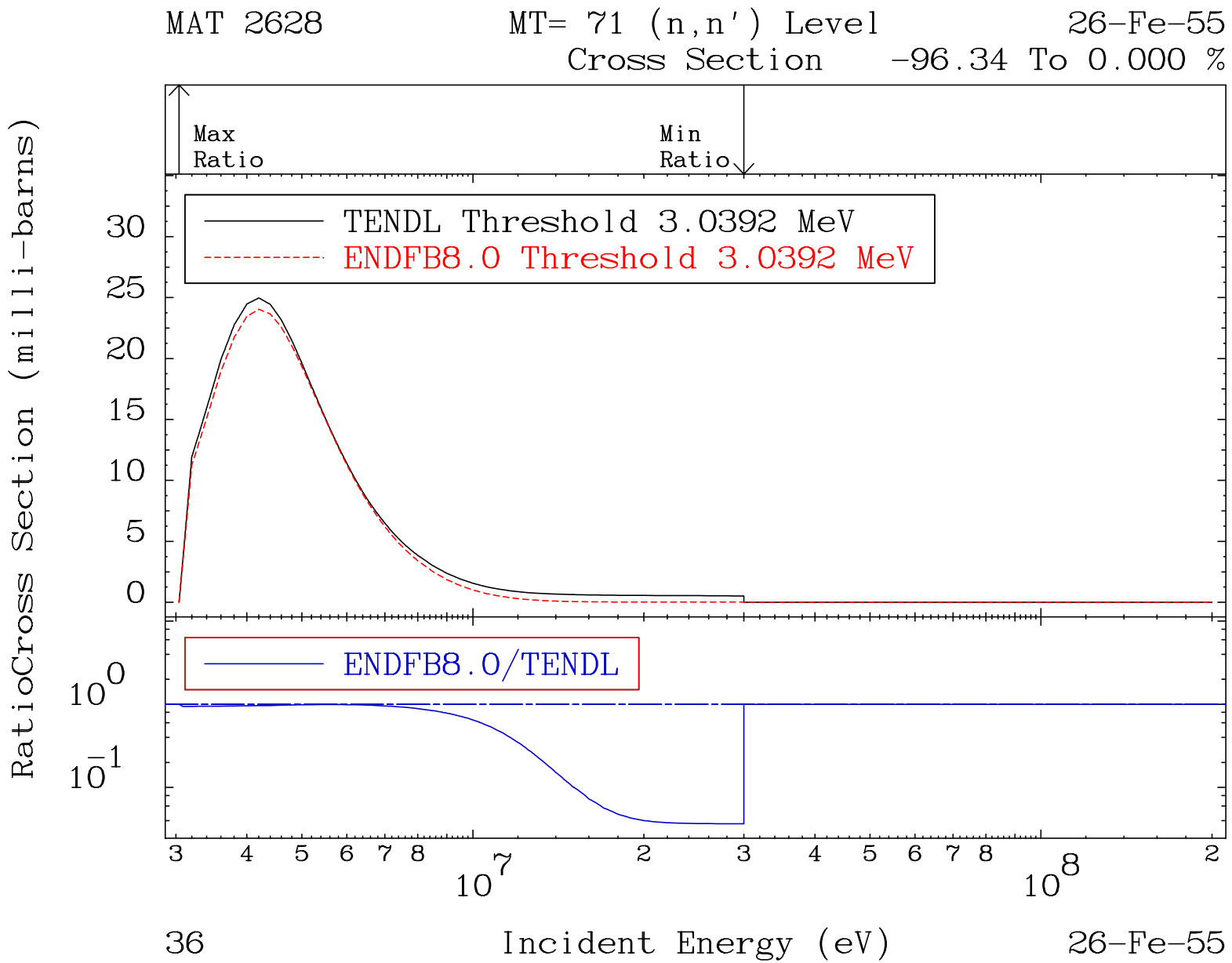

MAT 2628
MT= 66 (n,n') Level
26-Fe-55
Cross Section
-100.0 To 25.01 %
Min Ratio
Max Ratio
TENDL Threshold 2.6477 MeV
ENDFB8.0 Threshold 2.6477 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
26-Fe-55

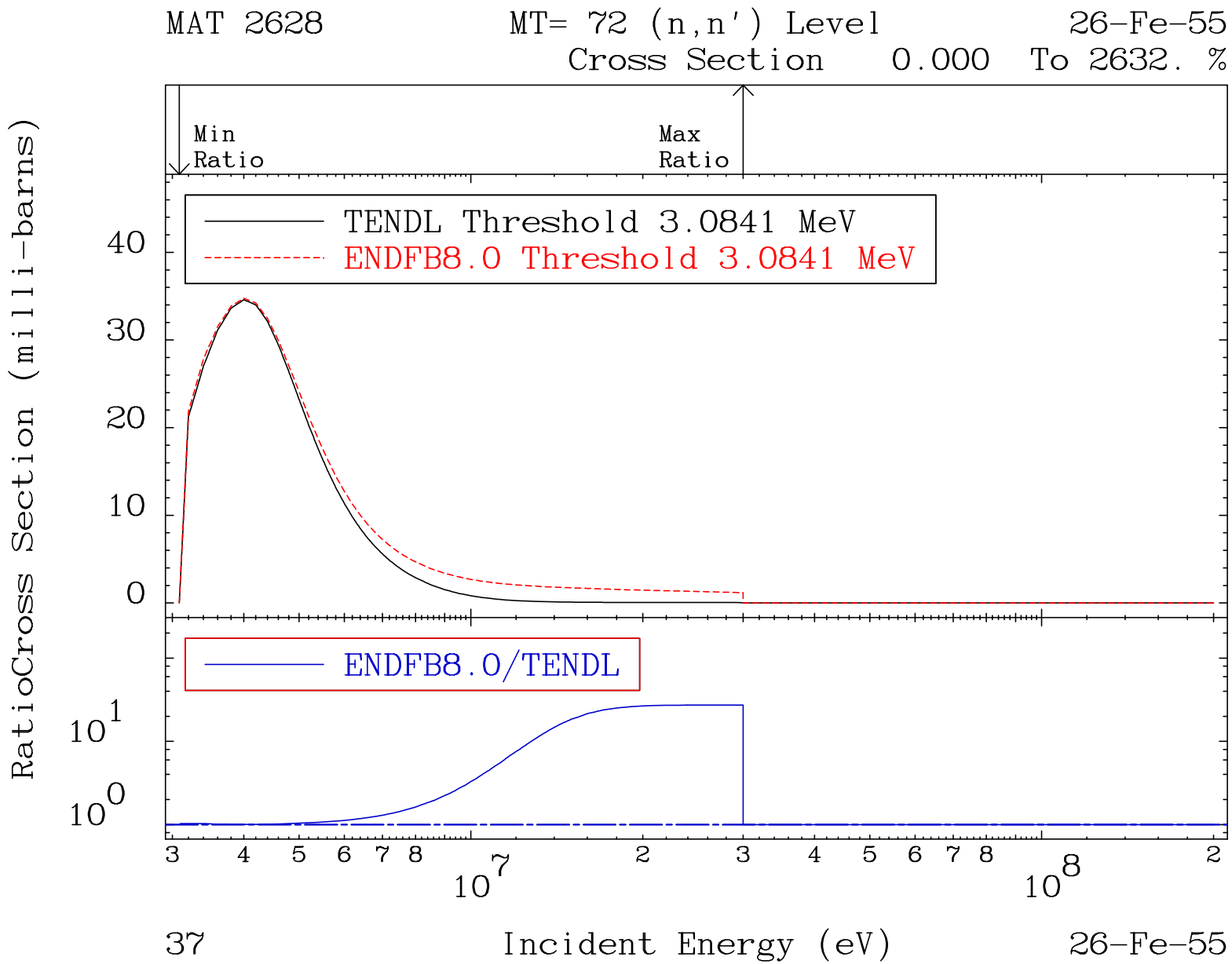

MAT 2628
MT= 67 (n,n') Level
26-Fe-55
Cross Section
-96.34 To 8.678 %
Max Ratio
Min Ratio
TENDL Threshold 2.8655 MeV
ENDFB8.0 Threshold 2.8655 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
26-Fe-55

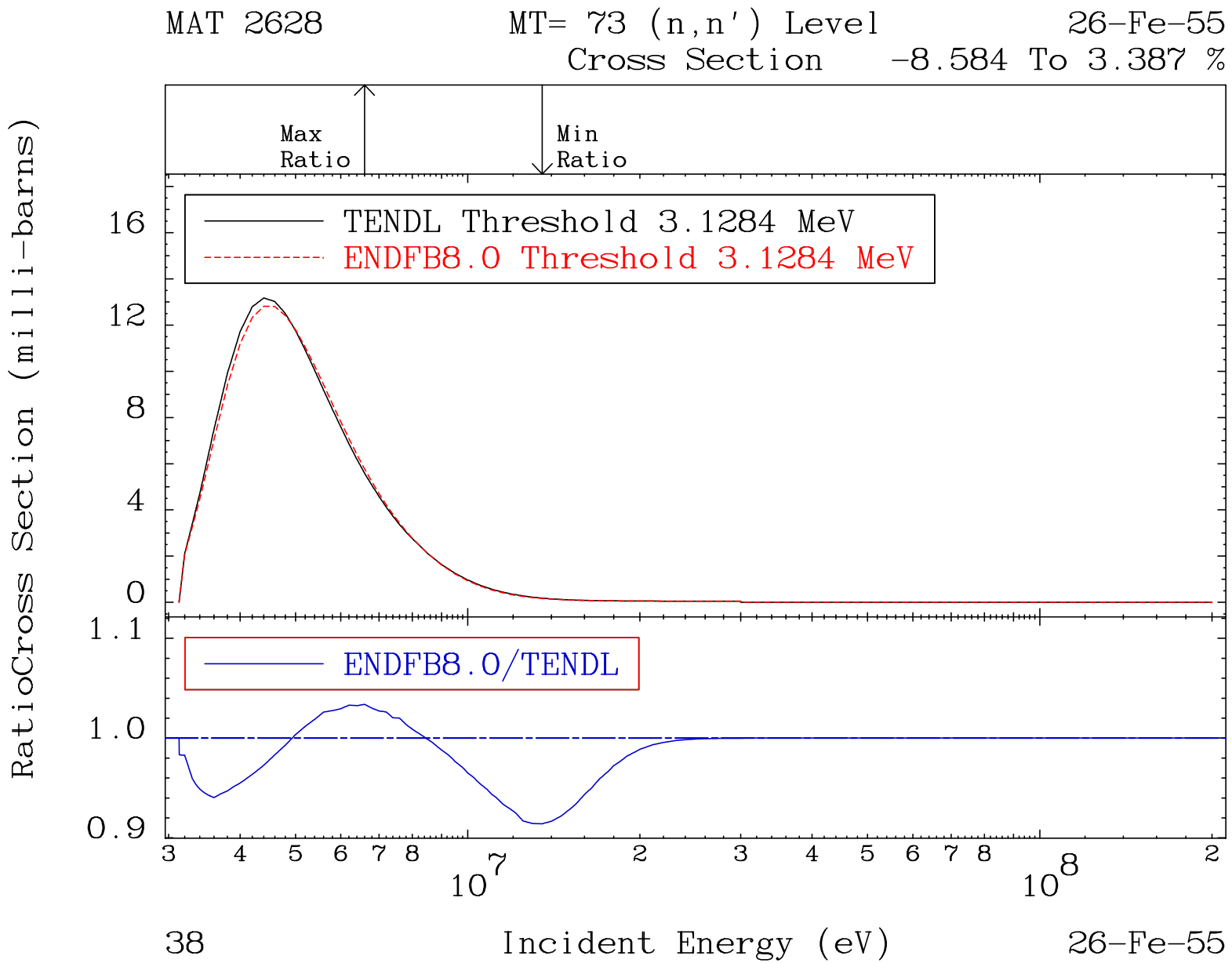

MAT 2628
MT= 68 (n,n') Level
26-Fe-55
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.9250 MeV
ENDFB8.0 Threshold 2.9250 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
26-Fe-55

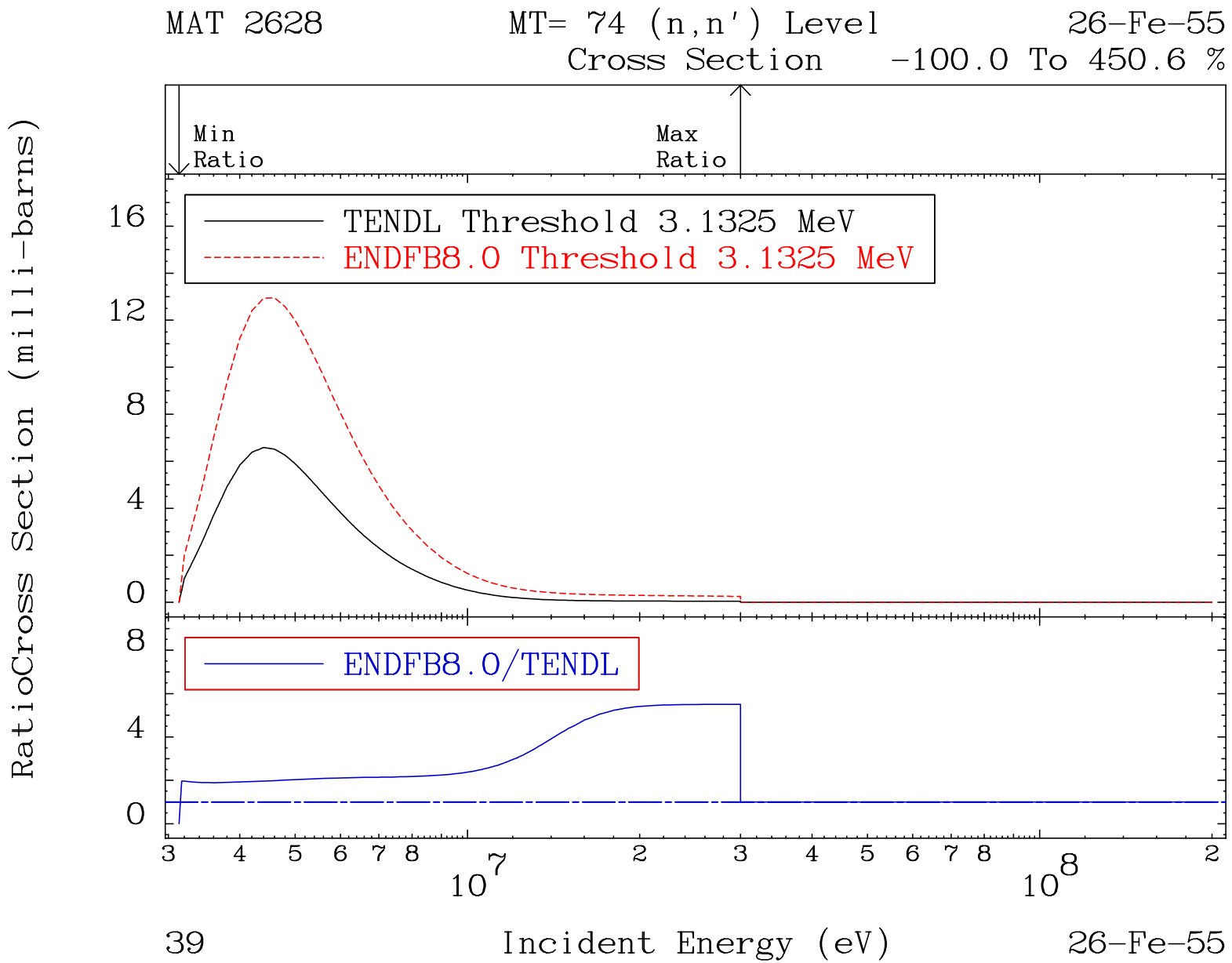

MAT 2628
MT= 69 (n,n') Level
26-Fe-55
Cross Section
-100.0 To 2633. %
Min Ratio
Max Ratio
TENDL Threshold 2.9929 MeV
ENDFB8.0 Threshold 2.9929 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
40
20
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
26-Fe-55

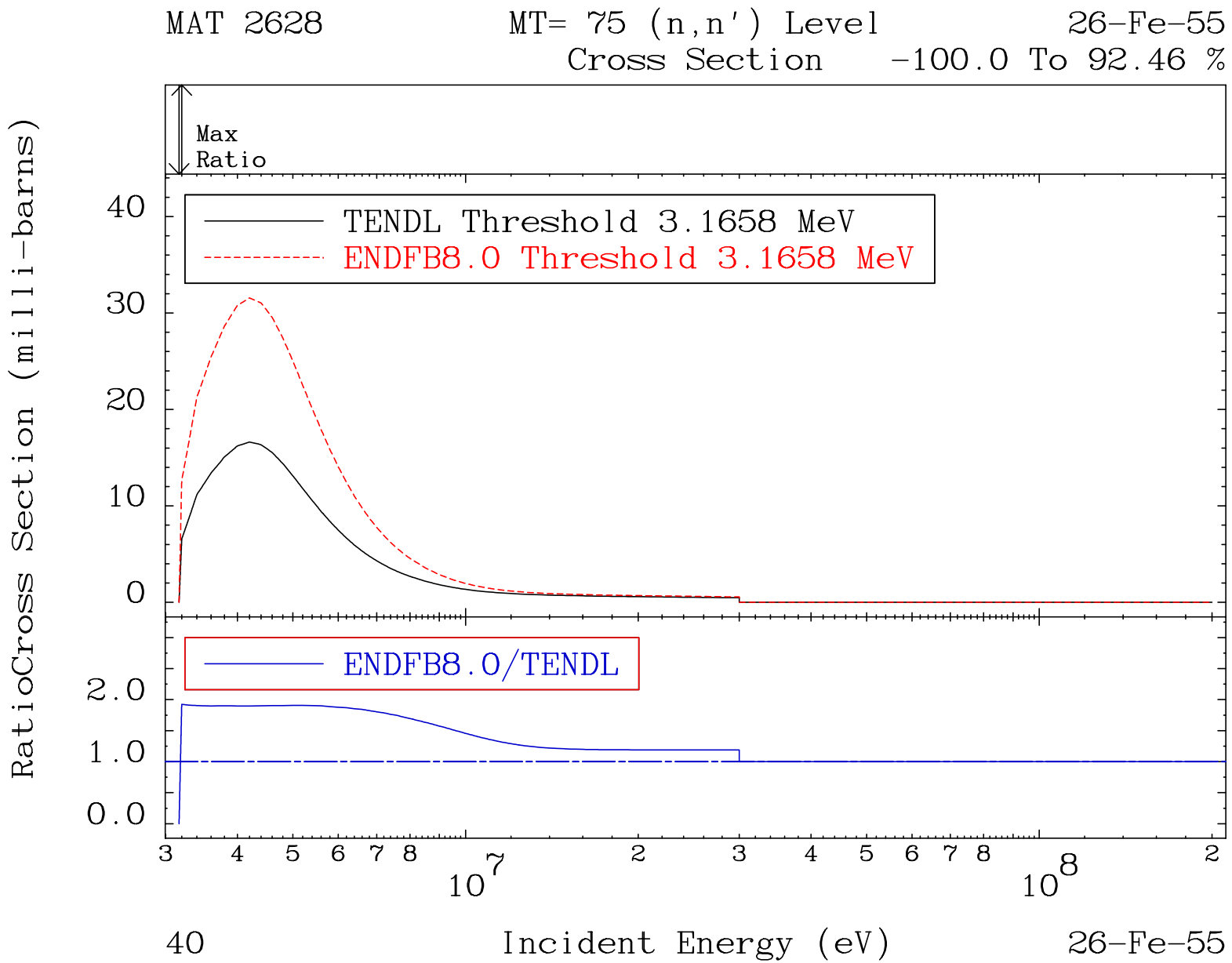

MAT 2628
MT= 70 (n,n') Level
26-Fe-55
Cross Section
-96.34 To 0.911 %
Max Ratio
Min Ratio
TENDL Threshold 3.0369 MeV
ENDFB8.0 Threshold 3.0369 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^0
10^-1
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
26-Fe-55

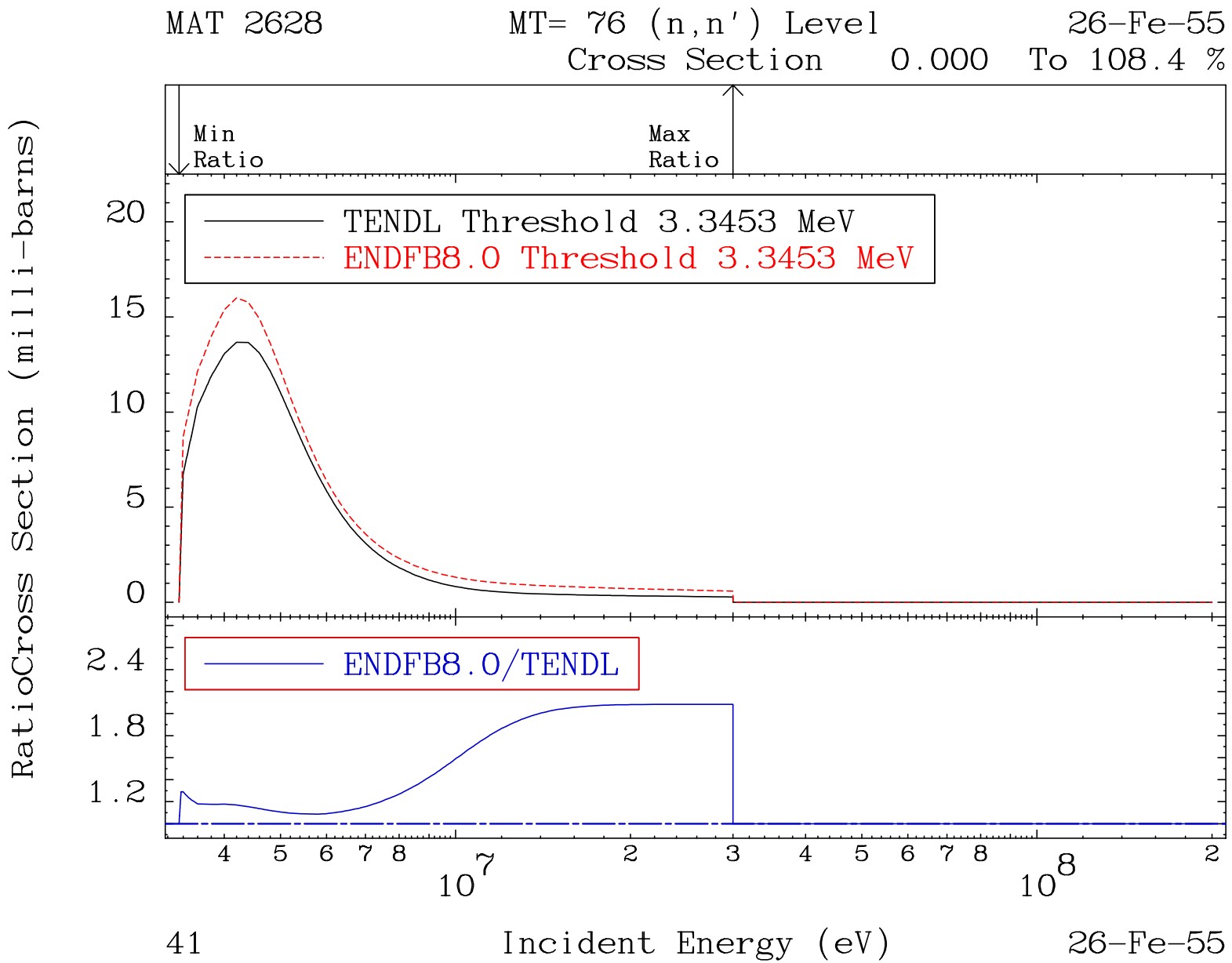

MAT 2628
MT= 71 (n,n') Level
26-Fe-55
Cross Section -96.34 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 3.0392 MeV
ENDFB8.0 Threshold 3.0392 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36
26-Fe-55

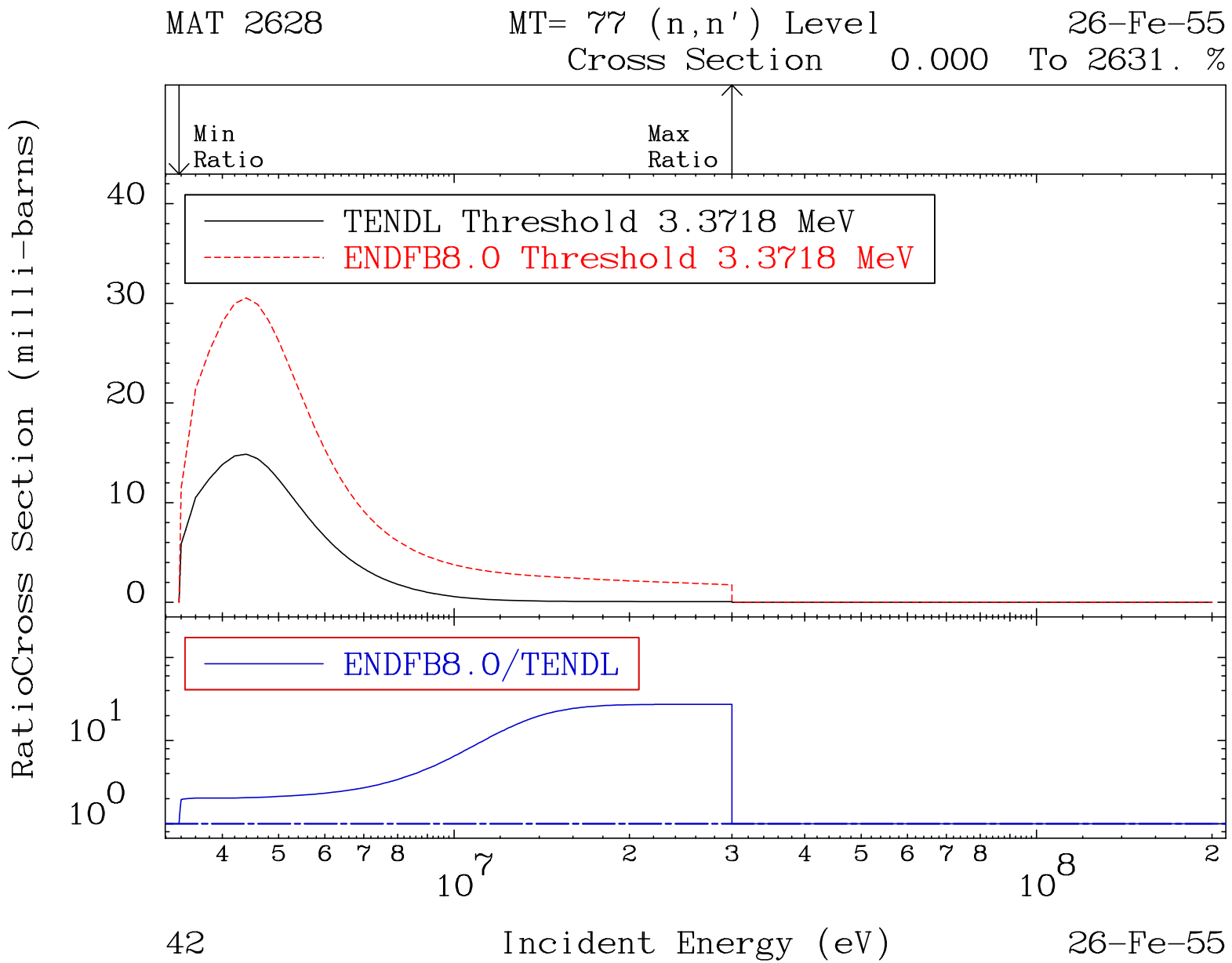

MAT 2628
MT= 72 (n,n') Level
26-Fe-55
Cross Section 0.000 To 2632. %
Min Ratio
Max Ratio
TENDL Threshold 3.0841 MeV
ENDFB8.0 Threshold 3.0841 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^1
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
26-Fe-55

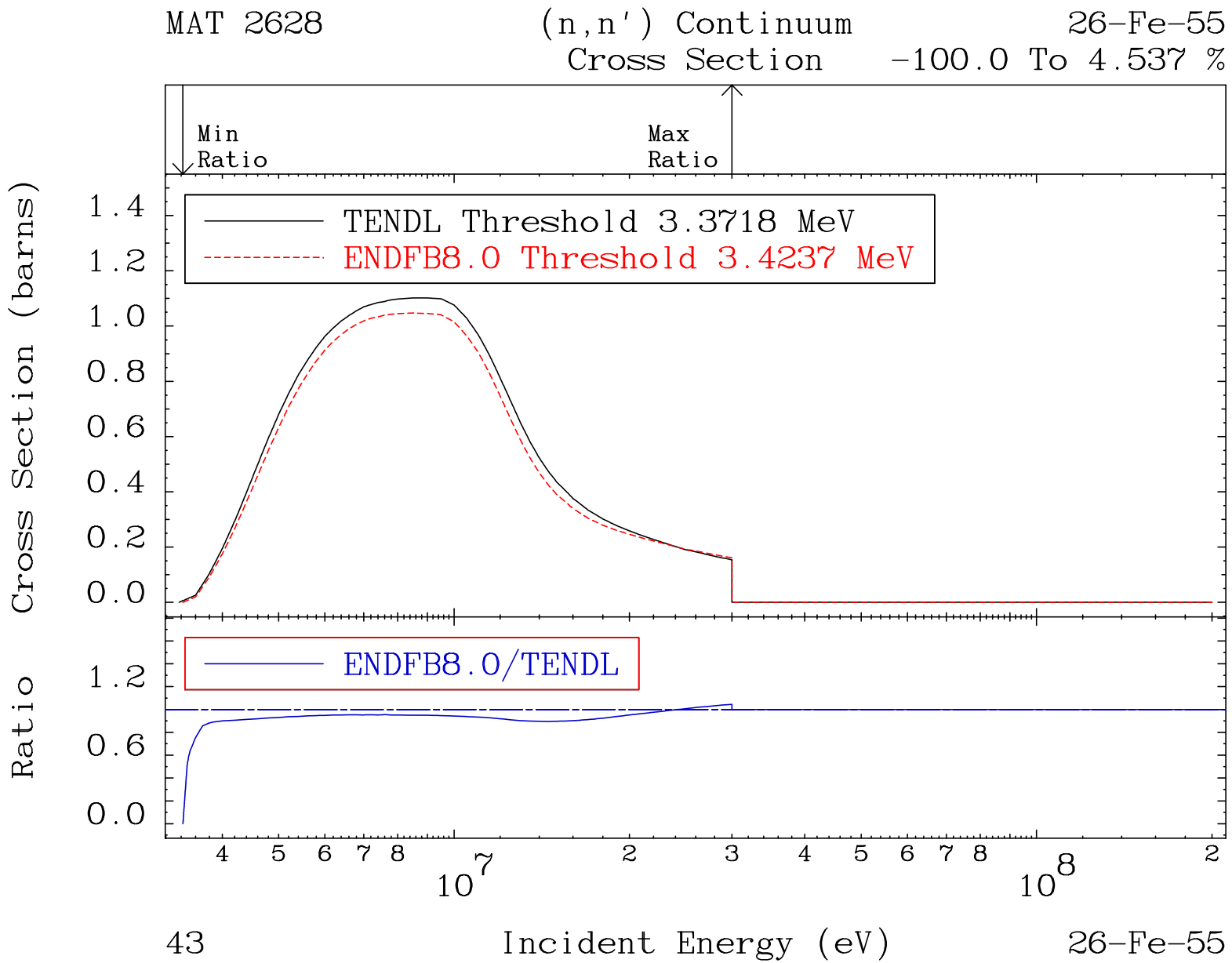

MAT 2628
MT= 73 (n,n') Level
26-Fe-55
Cross Section
-8.584 To 3.387 %
Max Ratio
Min Ratio
TENDL Threshold 3.1284 MeV
ENDFB8.0 Threshold 3.1284 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.1
1.0
0.9
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
26-Fe-55

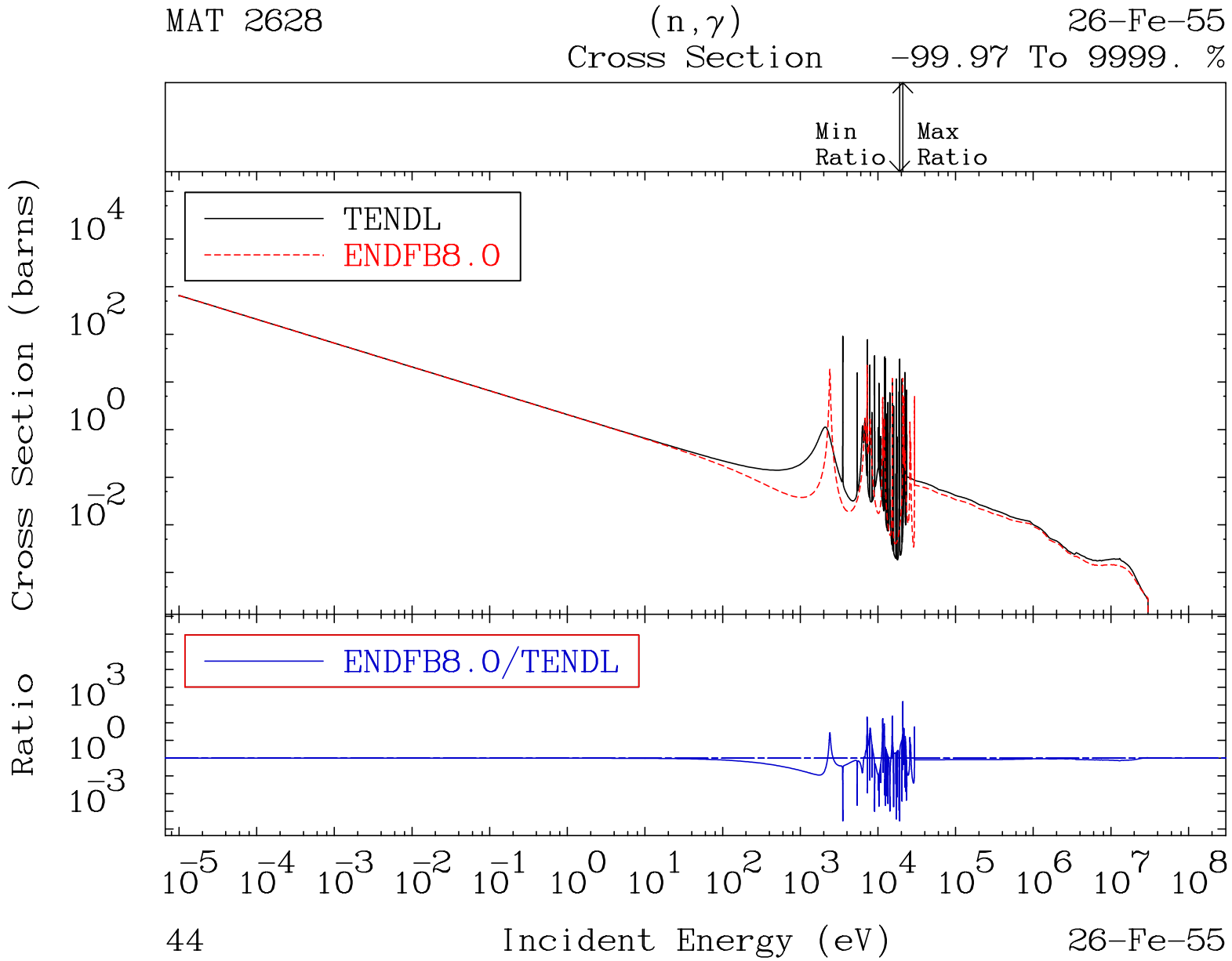

MAT 2628
MT= 74 (n,n') Level
26-Fe-55
Cross Section -100.0 To 450.6 %
Min Ratio
Max Ratio
TENDL Threshold 3.1325 MeV
ENDFB8.0 Threshold 3.1325 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
26-Fe-55

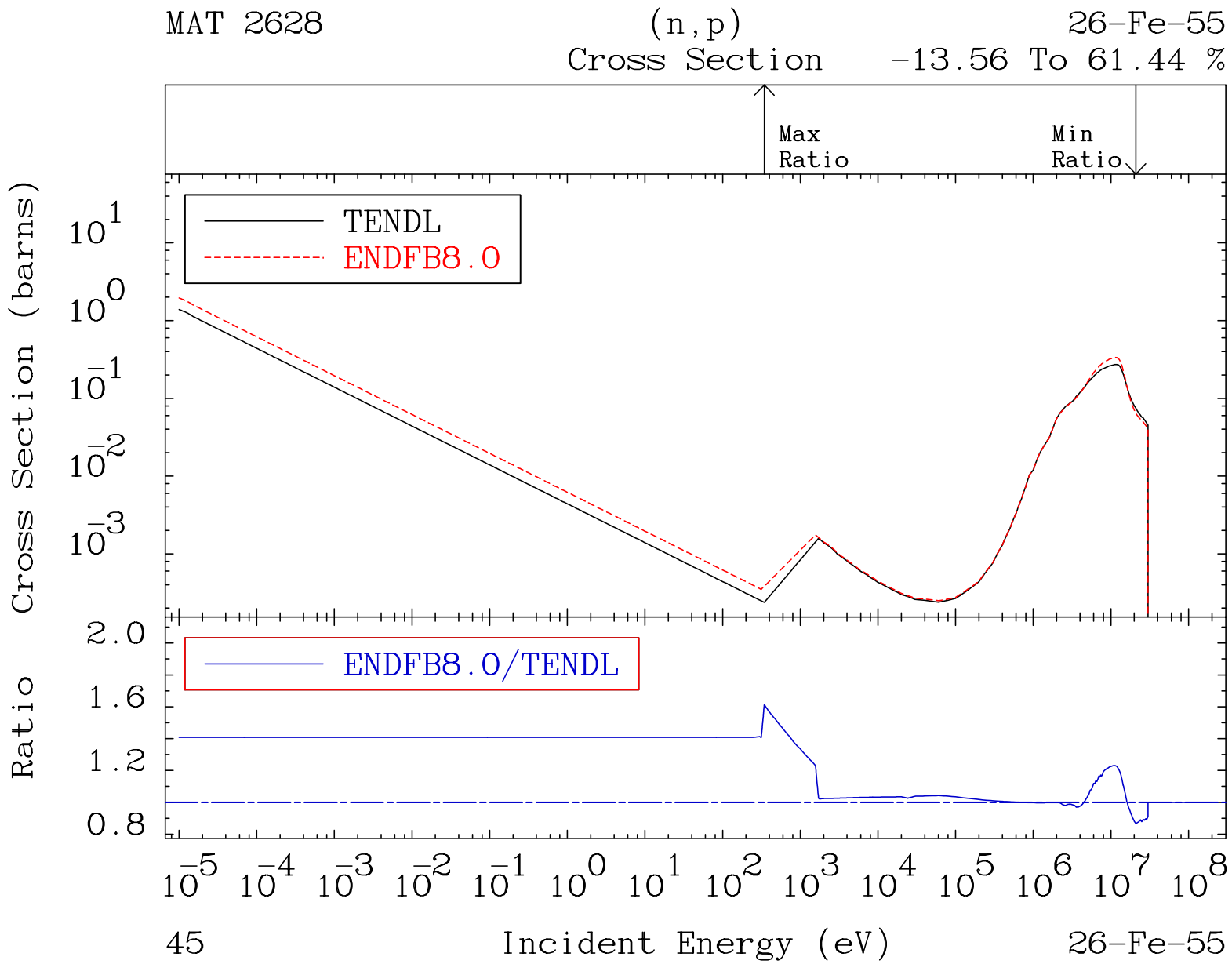

MAT 2628
MT= 75 (n,n') Level
26-Fe-55
Cross Section
-100.0 To 92.46 %
Max
Ratio
TENDL Threshold 3.1658 MeV
ENDFB8.0 Threshold 3.1658 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
26-Fe-55

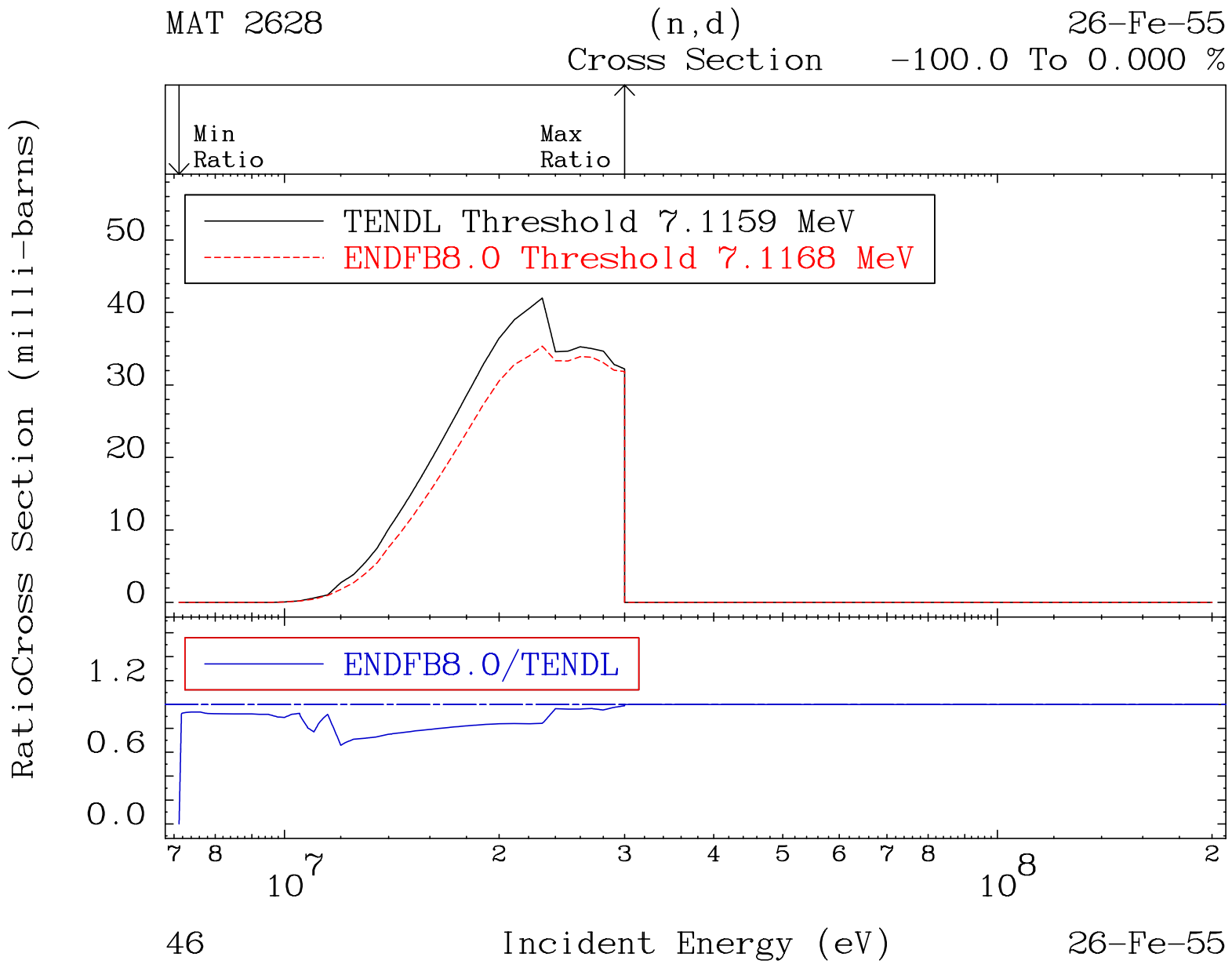

MAT 2628
MT= 76 (n,n') Level
26-Fe-55
Cross Section 0.000 To 108.4 %
Min Ratio
Max Ratio
TENDL Threshold 3.3453 MeV
ENDFB8.0 Threshold 3.3453 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
26-Fe-55

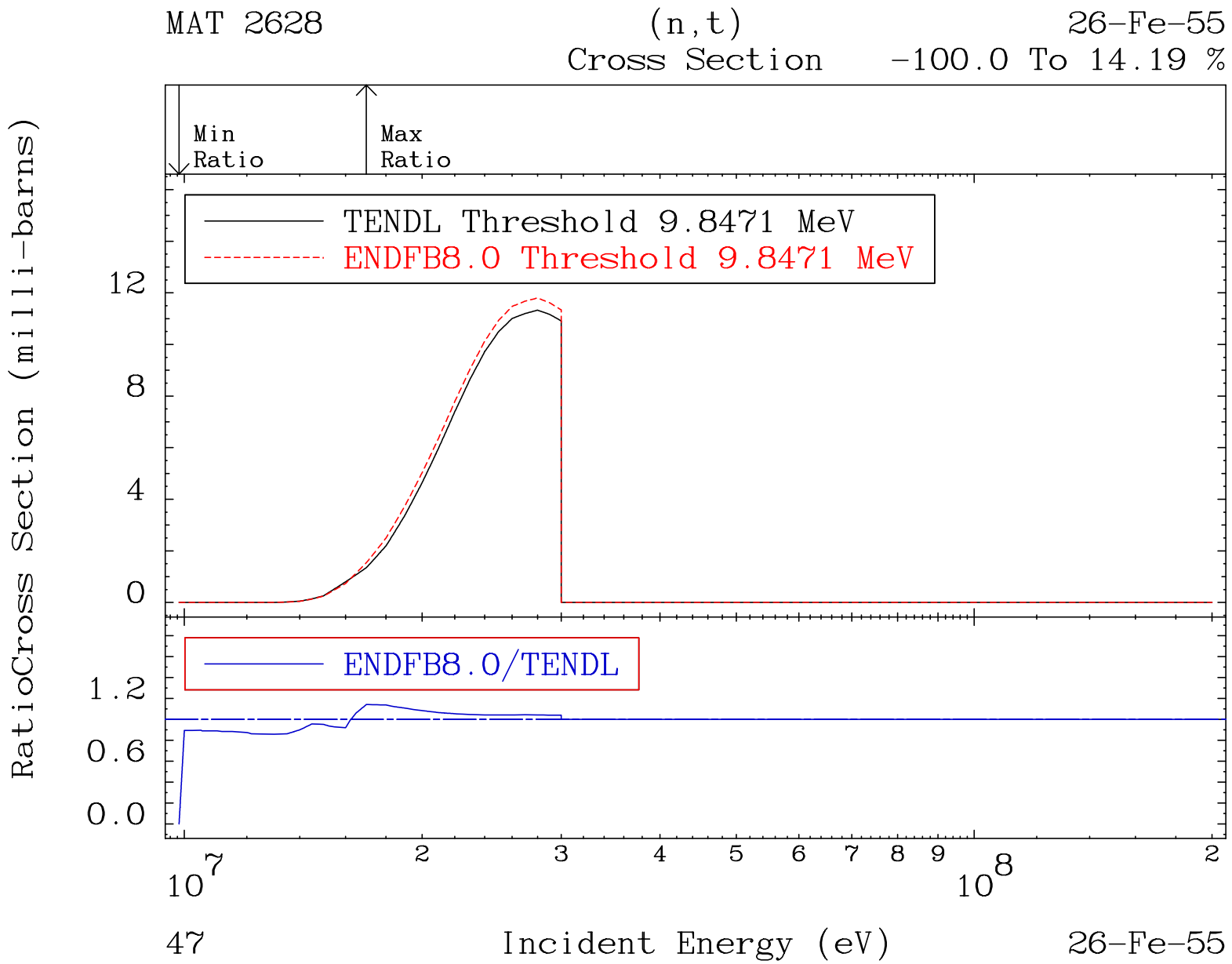

MAT 2628
MT= 77 (n,n') Level
26-Fe-55
Cross Section 0.000 To 2631. %
Min Ratio
Max Ratio
TENDL Threshold 3.3718 MeV
ENDFB8.0 Threshold 3.3718 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
42
26-Fe-55

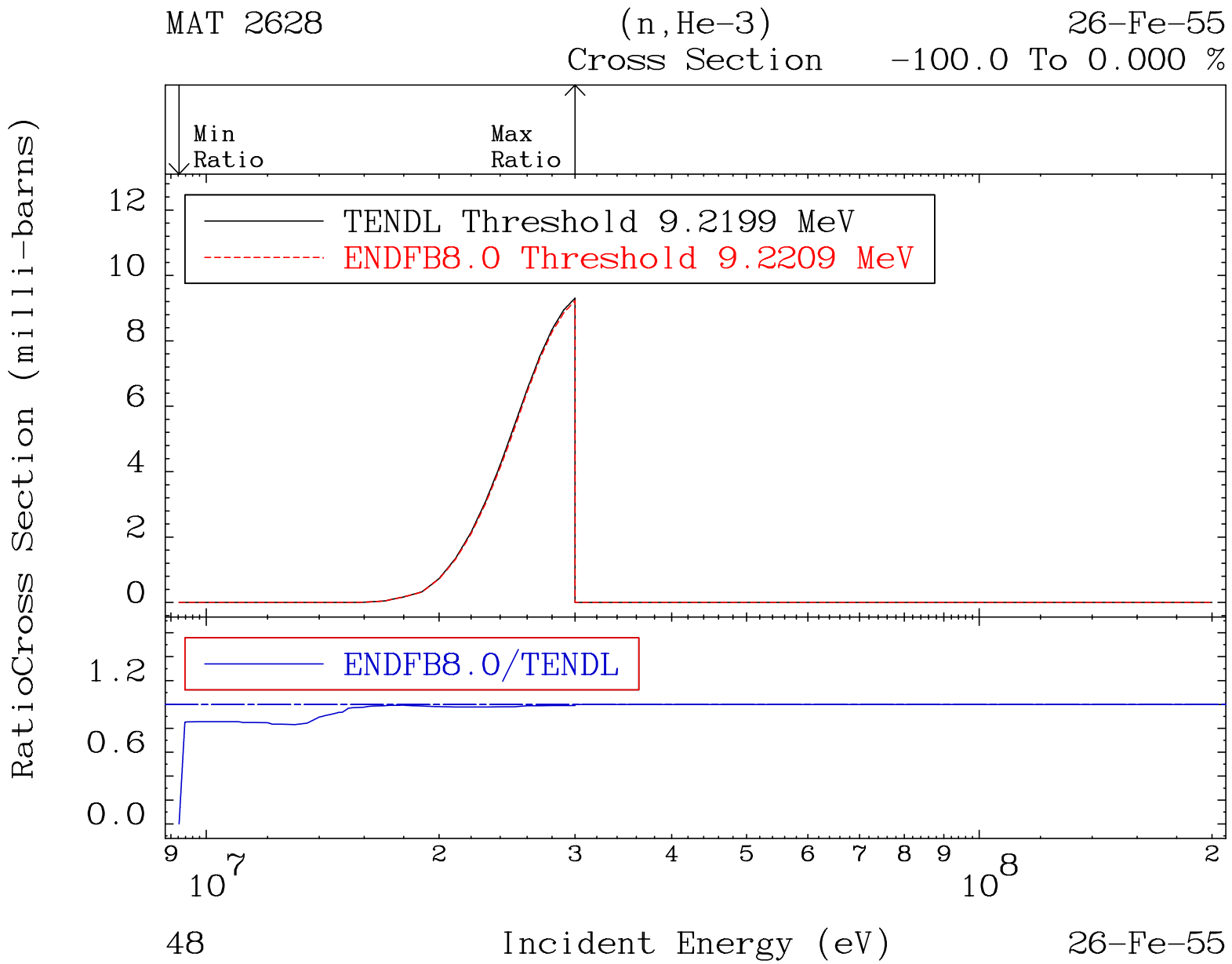

MAT 2628
(n,n') Continuum
Cross Section
26-Fe-55
-100.0 To 4.537 %
Min Ratio
Max Ratio
TENDL Threshold 3.3718 MeV
ENDFB8.0 Threshold 3.4237 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
26-Fe-55

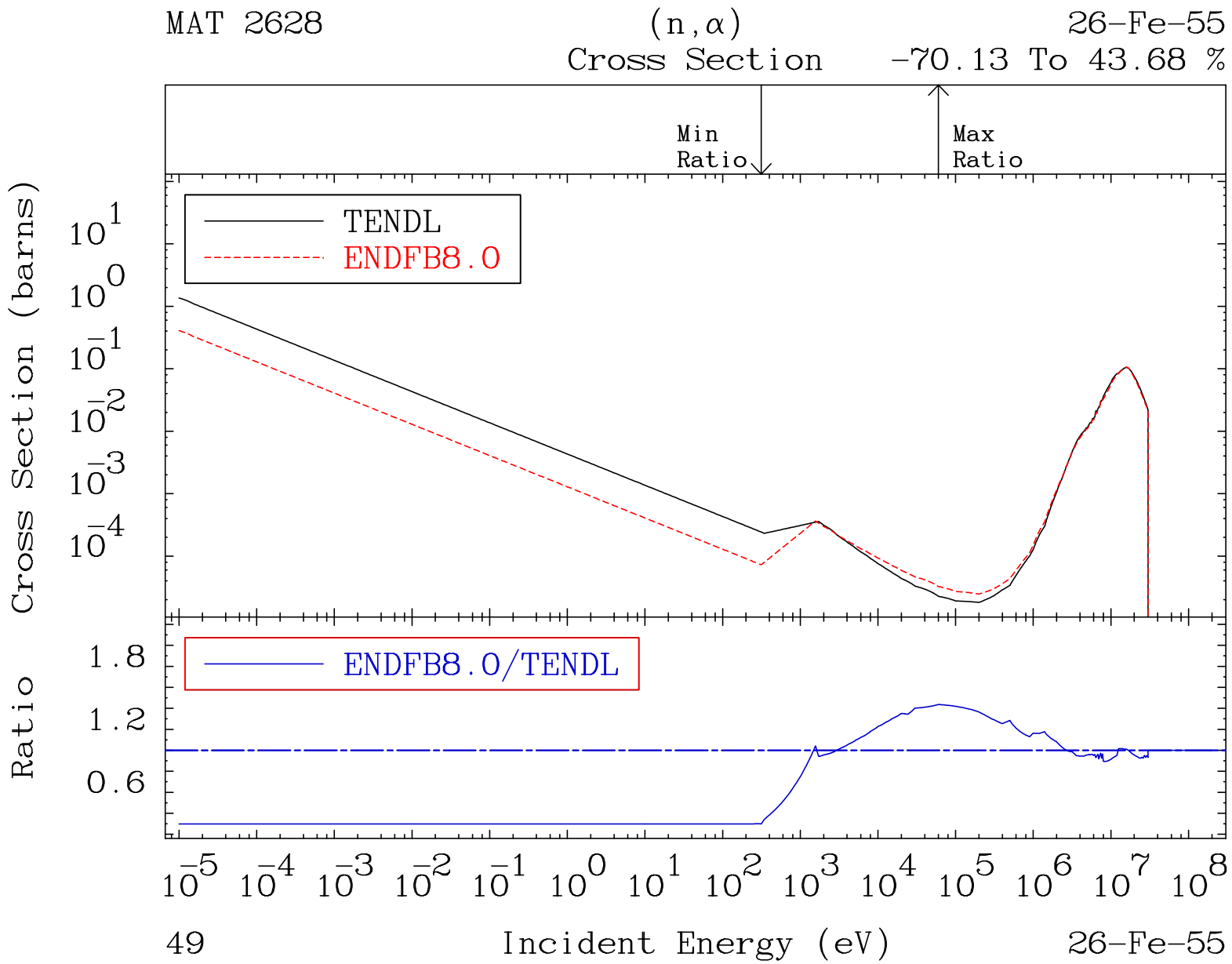

MAT 2628
(n,γ)
Cross Section
26-Fe-55
-99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
26-Fe-55

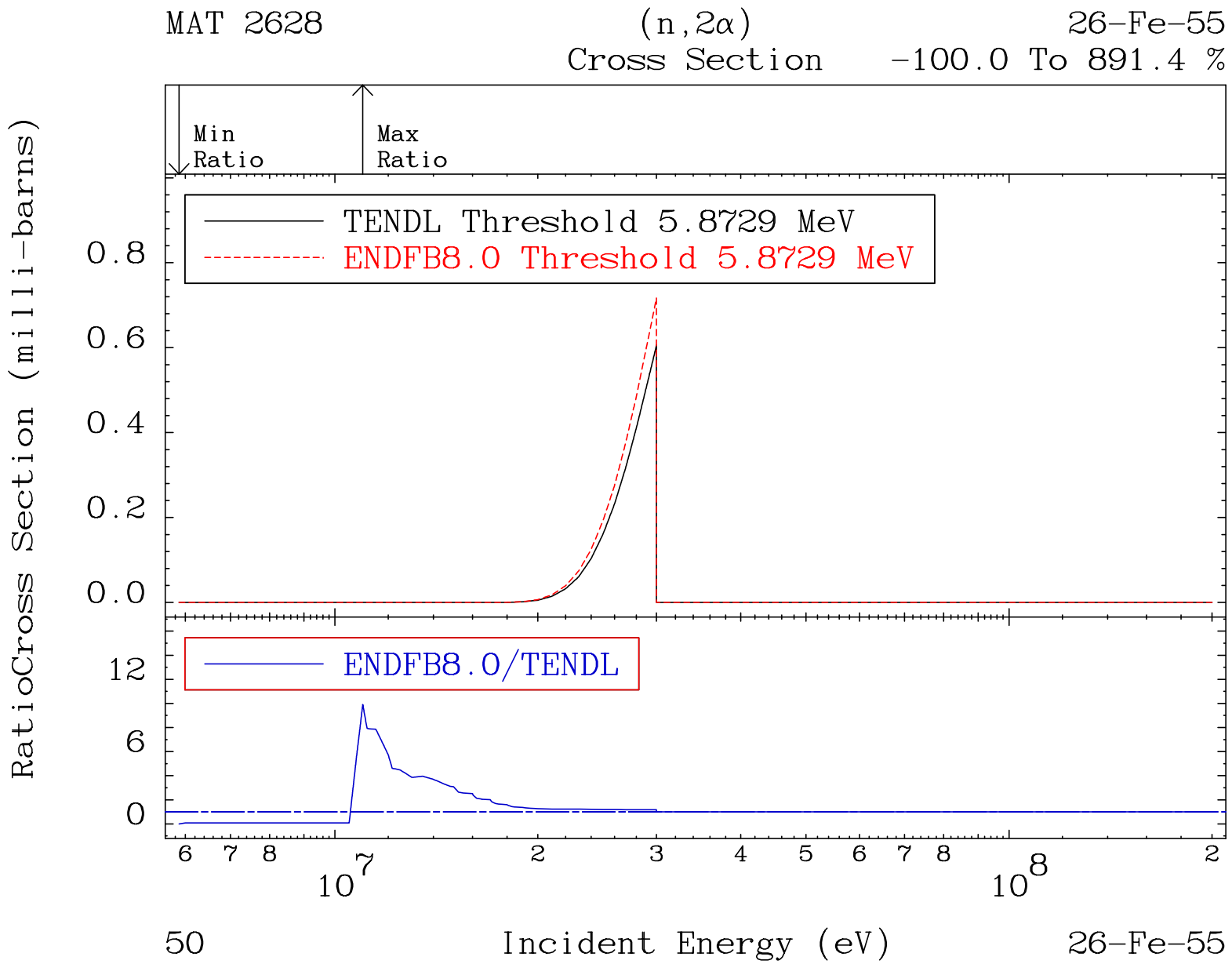

MAT 2628
(n,p)
26-Fe-55
Cross Section
-13.56 To 61.44 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
45
26-Fe-55

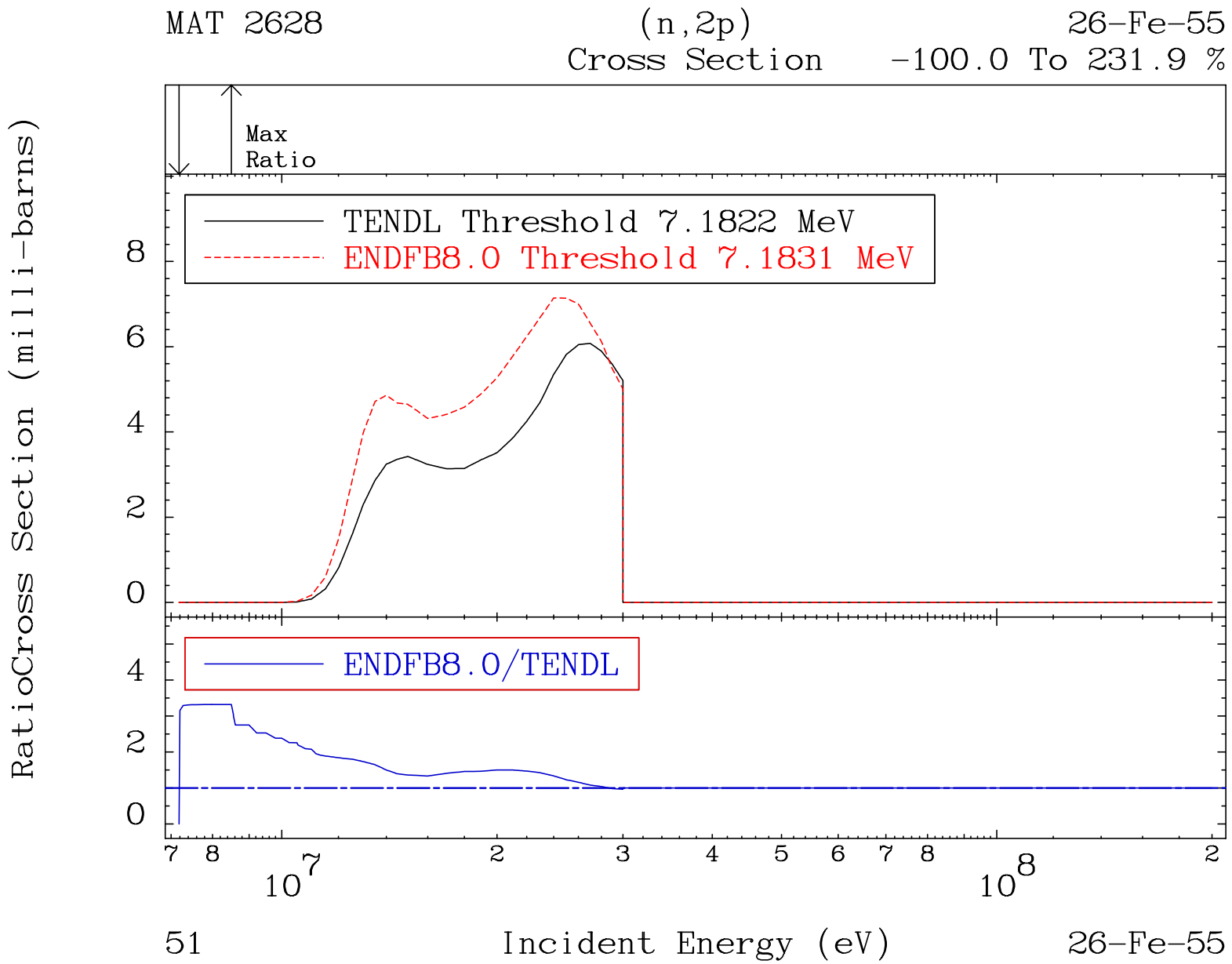

MAT 2628
(n,d)
Cross Section
26-Fe-55
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 7.1159 MeV
ENDFB8.0 Threshold 7.1168 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
26-Fe-55

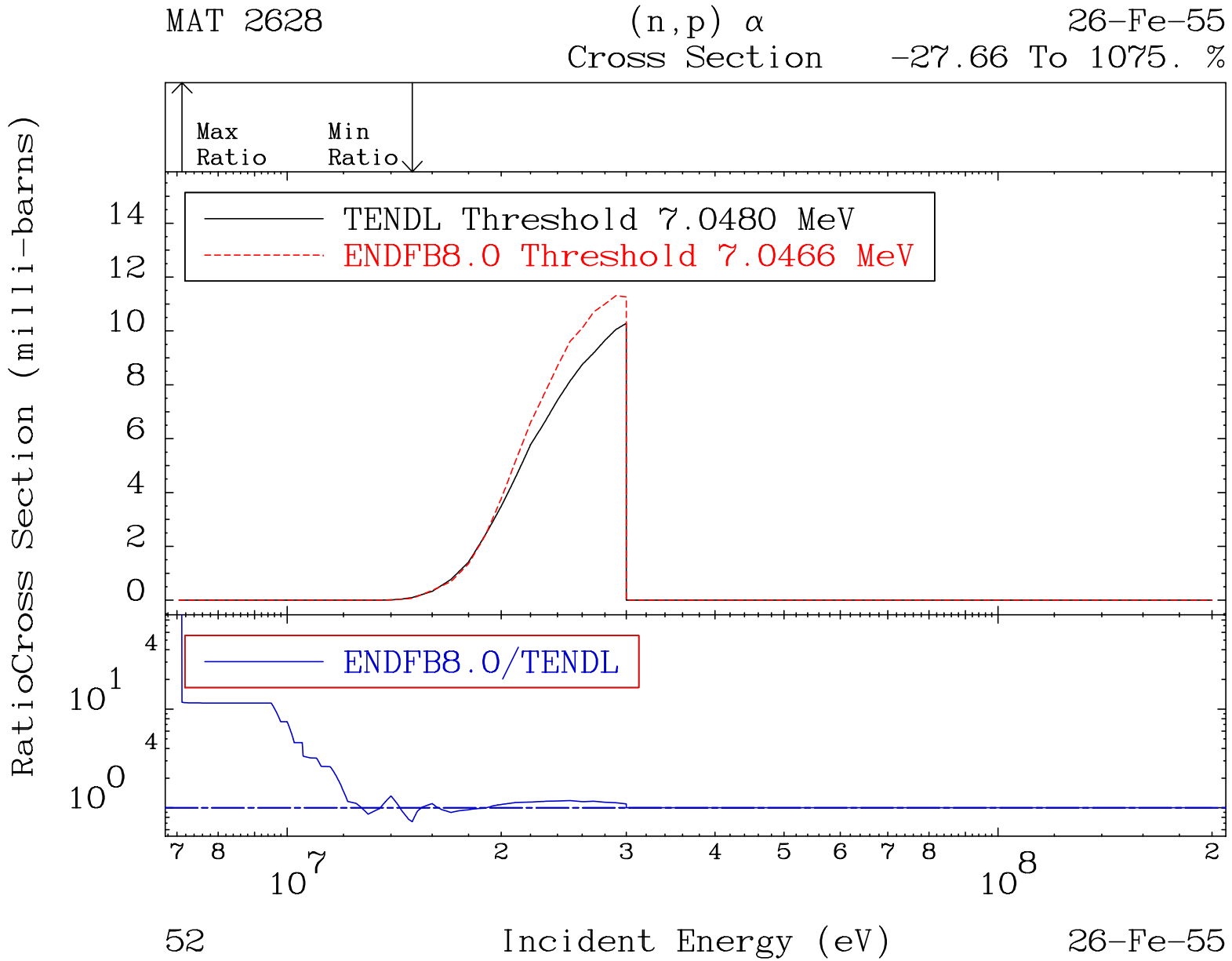

MAT 2628
(n,t)
Cross Section
26-Fe-55
-100.0 To 14.19 %
Min Ratio
Max Ratio
TENDL Threshold 9.8471 MeV
ENDFB8.0 Threshold 9.8471 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
12
8
4
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
26-Fe-55

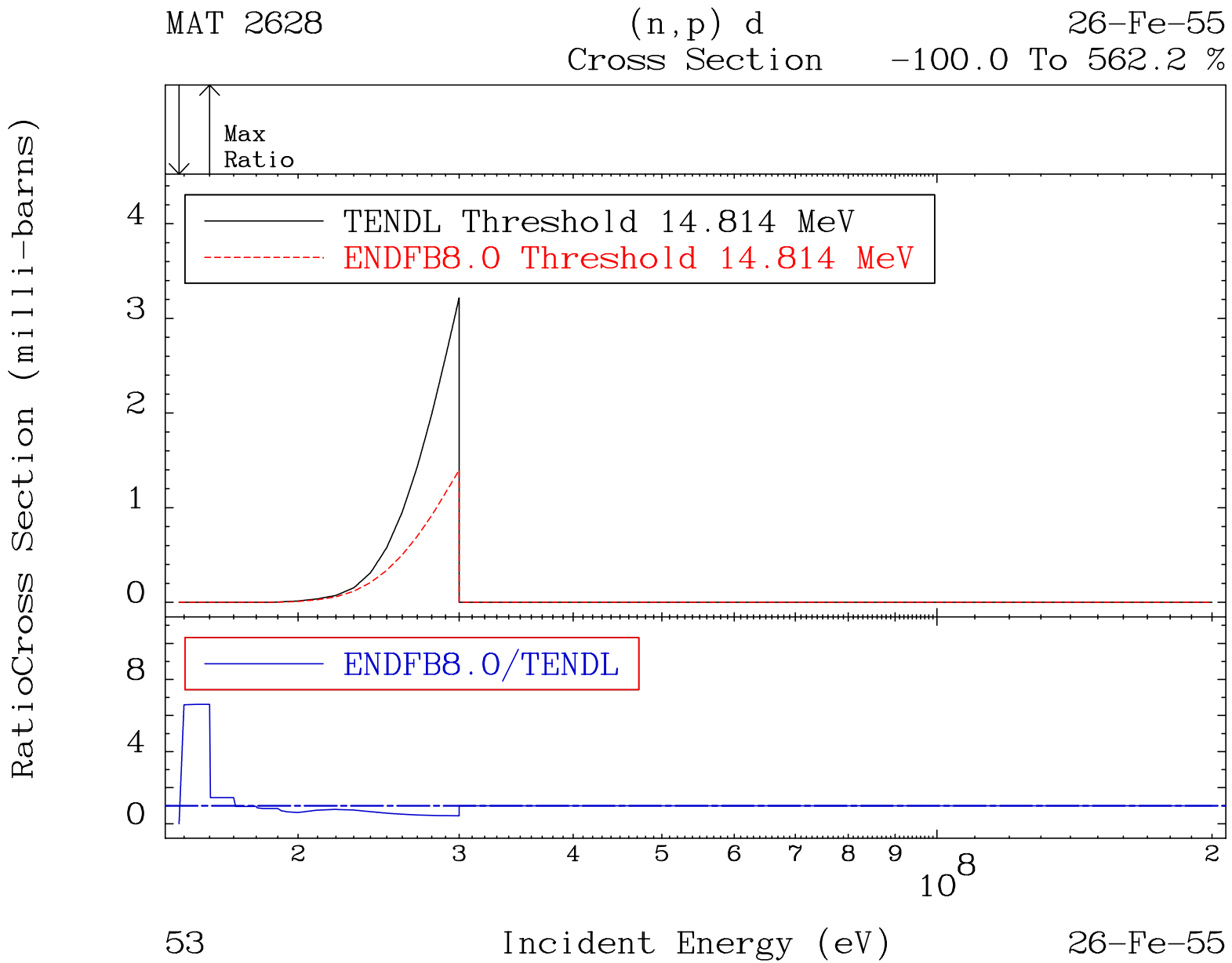

MAT 2628
(n,He-3)
Cross Section
26-Fe-55
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.2199 MeV
ENDFB8.0 Threshold 9.2209 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
26-Fe-55

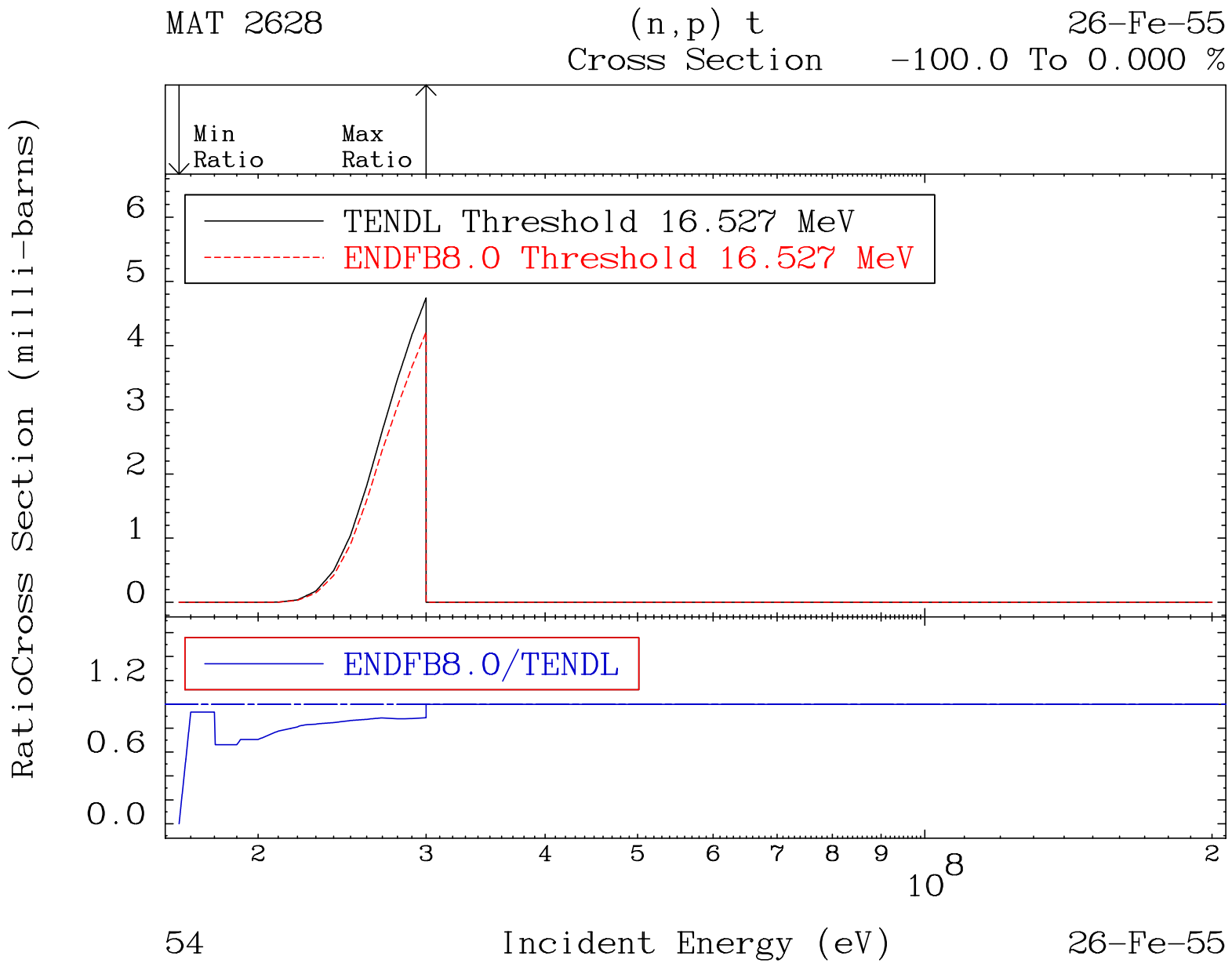

MAT 2628
(n,α)
Cross Section
26-Fe-55
-70.13 To 43.68 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
49
26-Fe-55

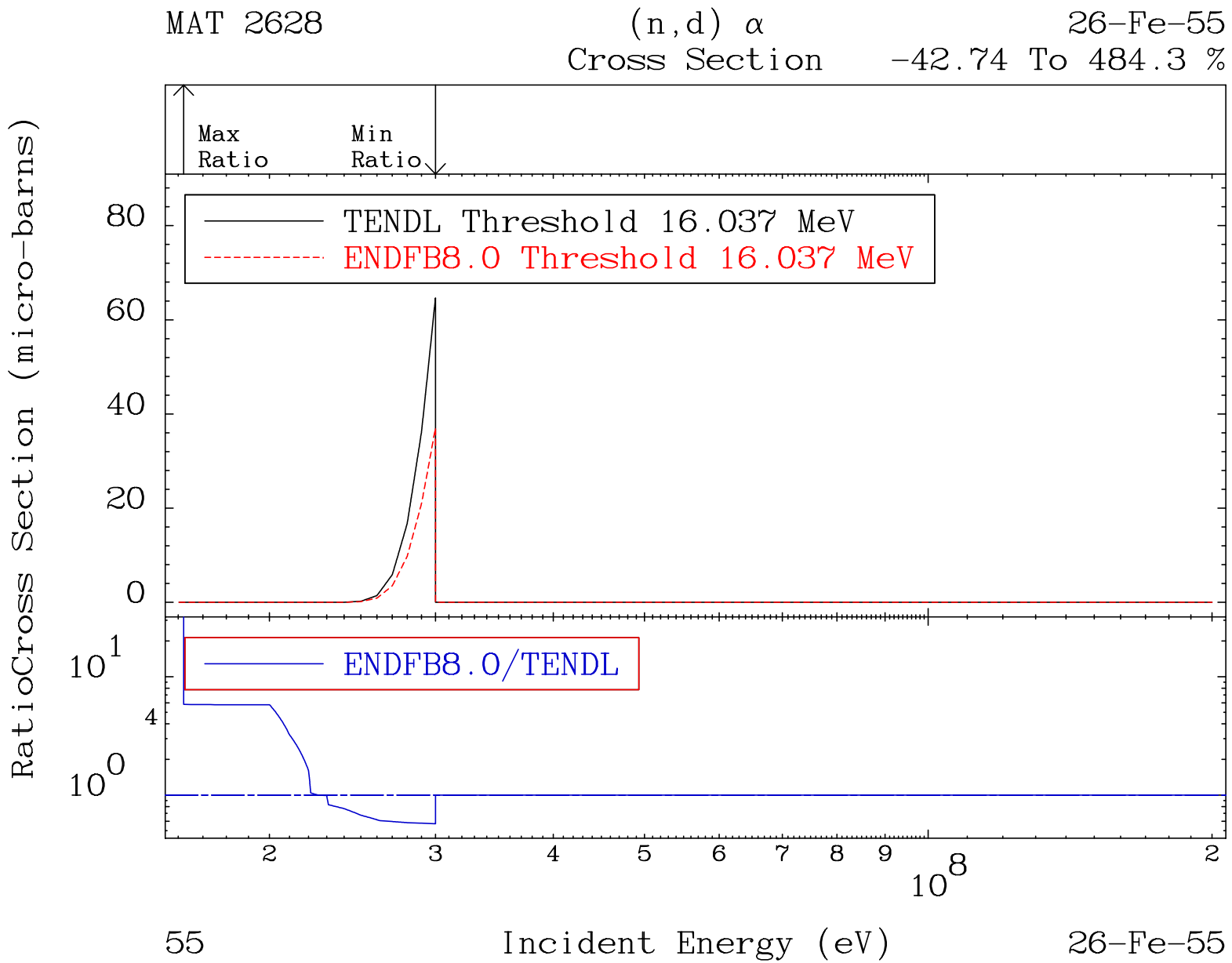

MAT 2628
(n,2α)
26-Fe-55
Cross Section
-100.0 To 891.4 %
Min Ratio
Max Ratio
TENDL Threshold 5.8729 MeV
ENDFB8.0 Threshold 5.8729 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
12
6
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
26-Fe-55

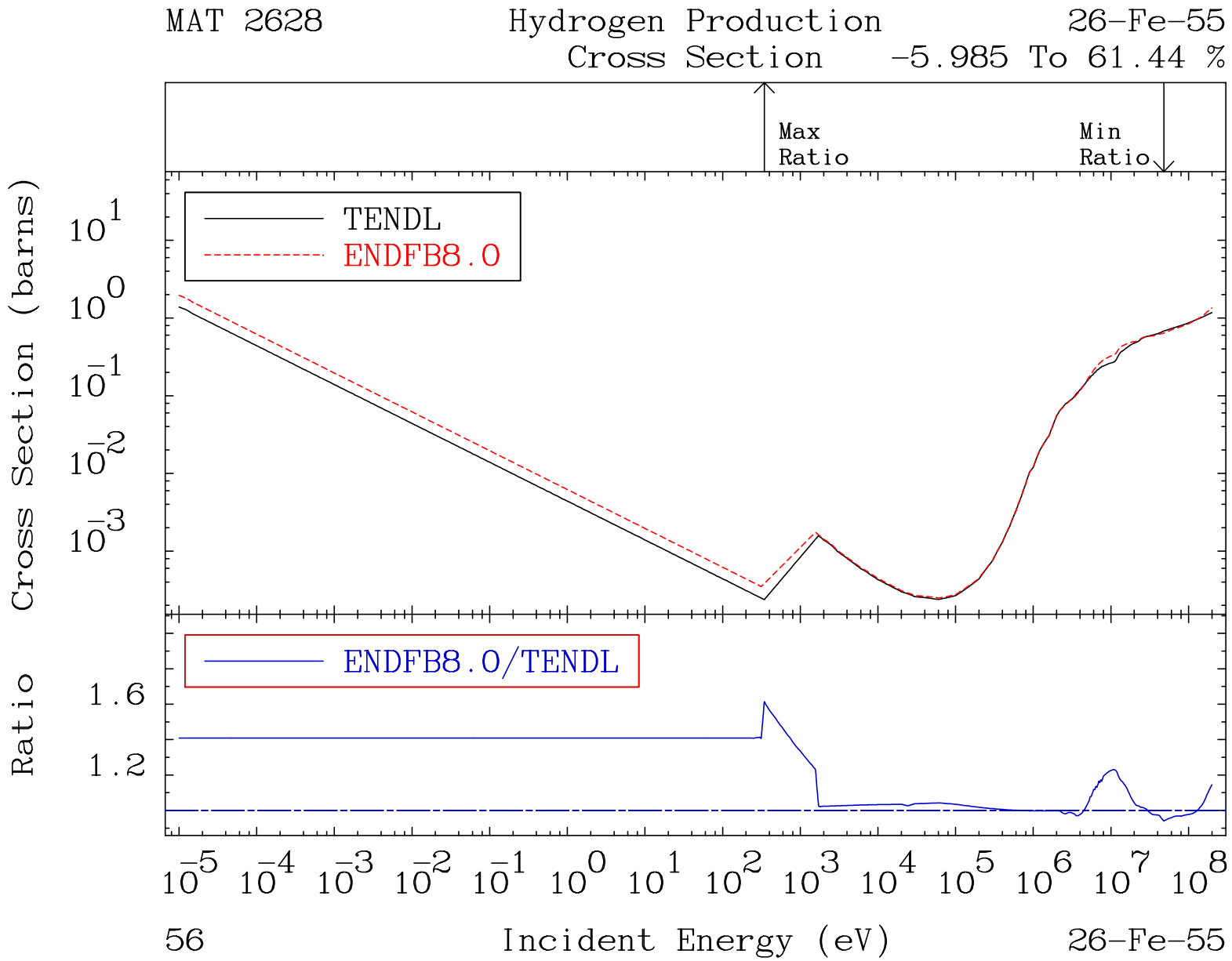

MAT 2628
(n,2p)
Cross Section
26-Fe-55
-100.0 To 231.9 %
Max
Ratio
TENDL Threshold 7.1822 MeV
ENDFB8.0 Threshold 7.1831 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
51
26-Fe-55

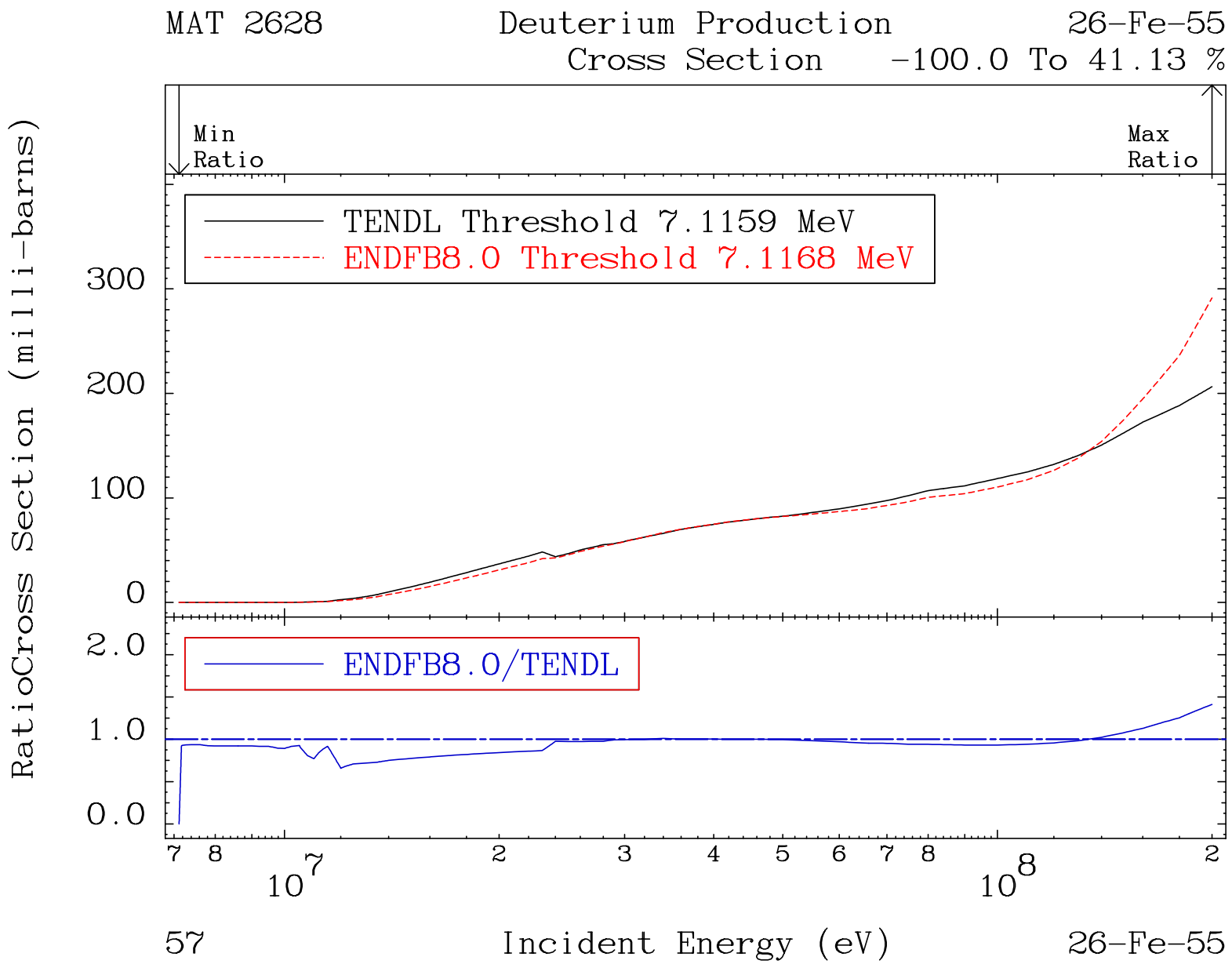

MAT 2628
(n,p) α
Cross Section
26-Fe-55
-27.66 To 1075. %
Max Ratio
Min Ratio
TENDL Threshold 7.0480 MeV
ENDFB8.0 Threshold 7.0466 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52
26-Fe-55

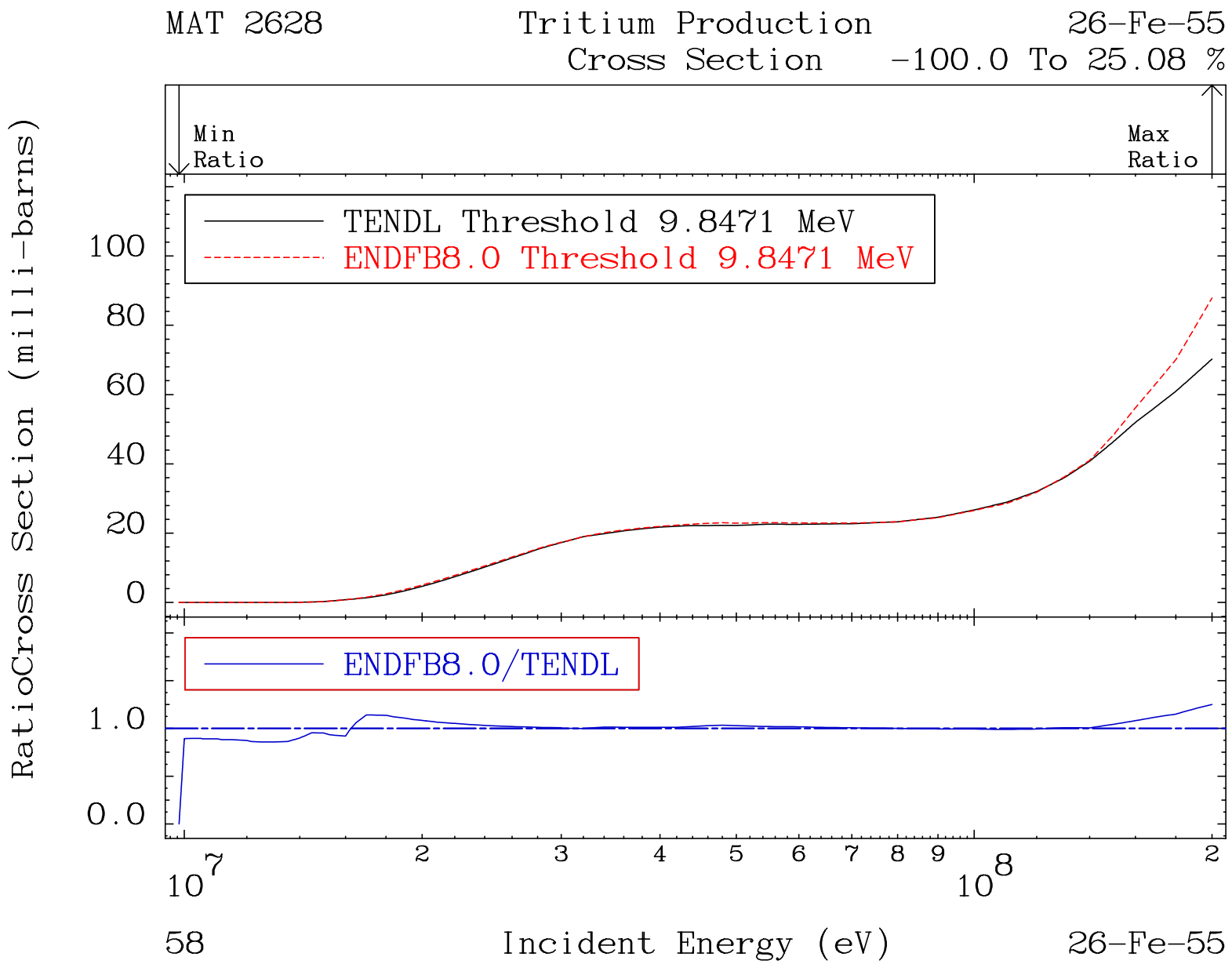

MAT 2628
(n,p) d
Cross Section
26-Fe-55
-100.0 To 562.2 %
Max
Ratio
TENDL Threshold 14.814 MeV
ENDFB8.0 Threshold 14.814 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
0
4
8
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
26-Fe-55

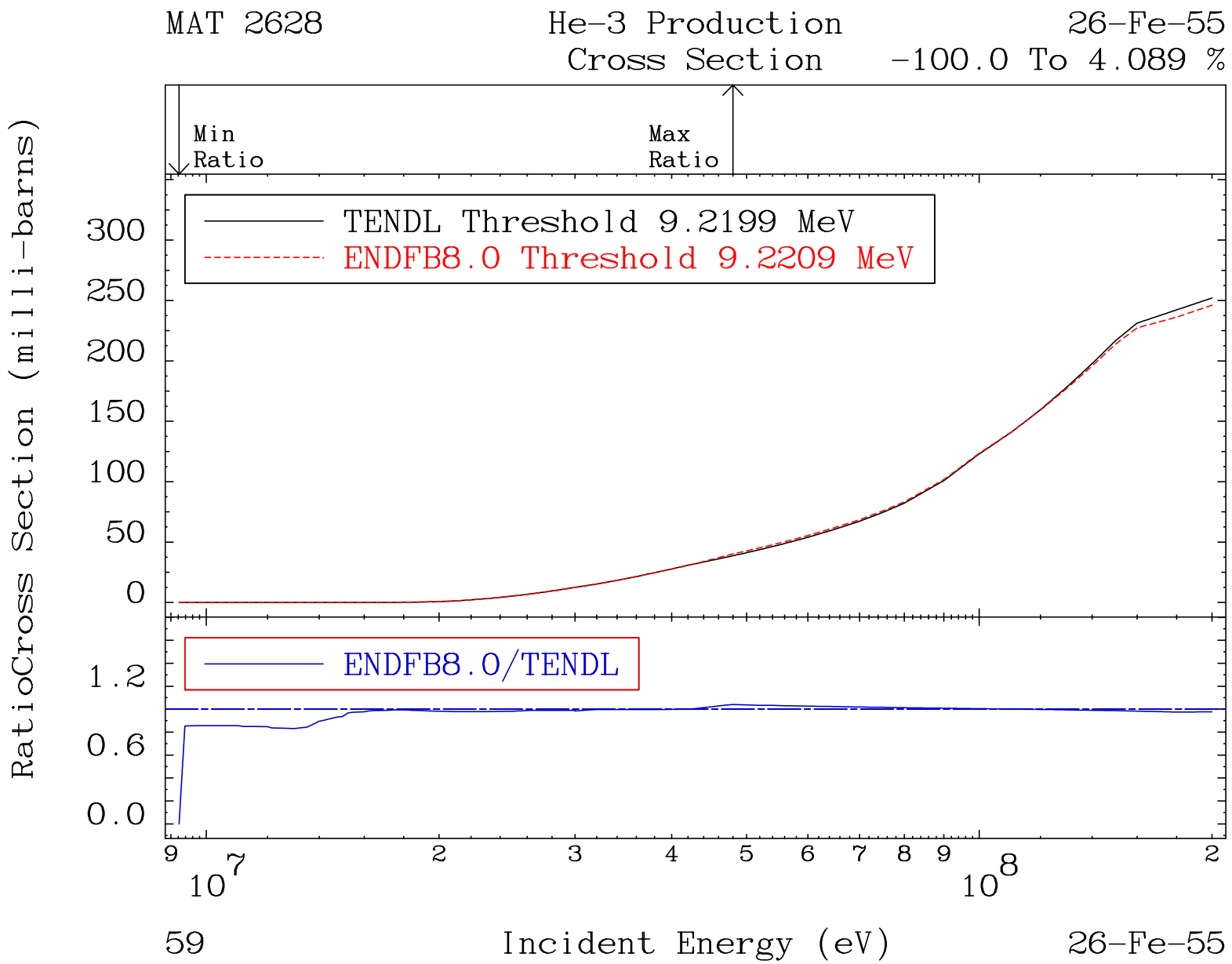

MAT 2628
(n,p) t
Cross Section
26-Fe-55
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.527 MeV
ENDFB8.0 Threshold 16.527 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
6
5
4
3
2
1
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
26-Fe-55

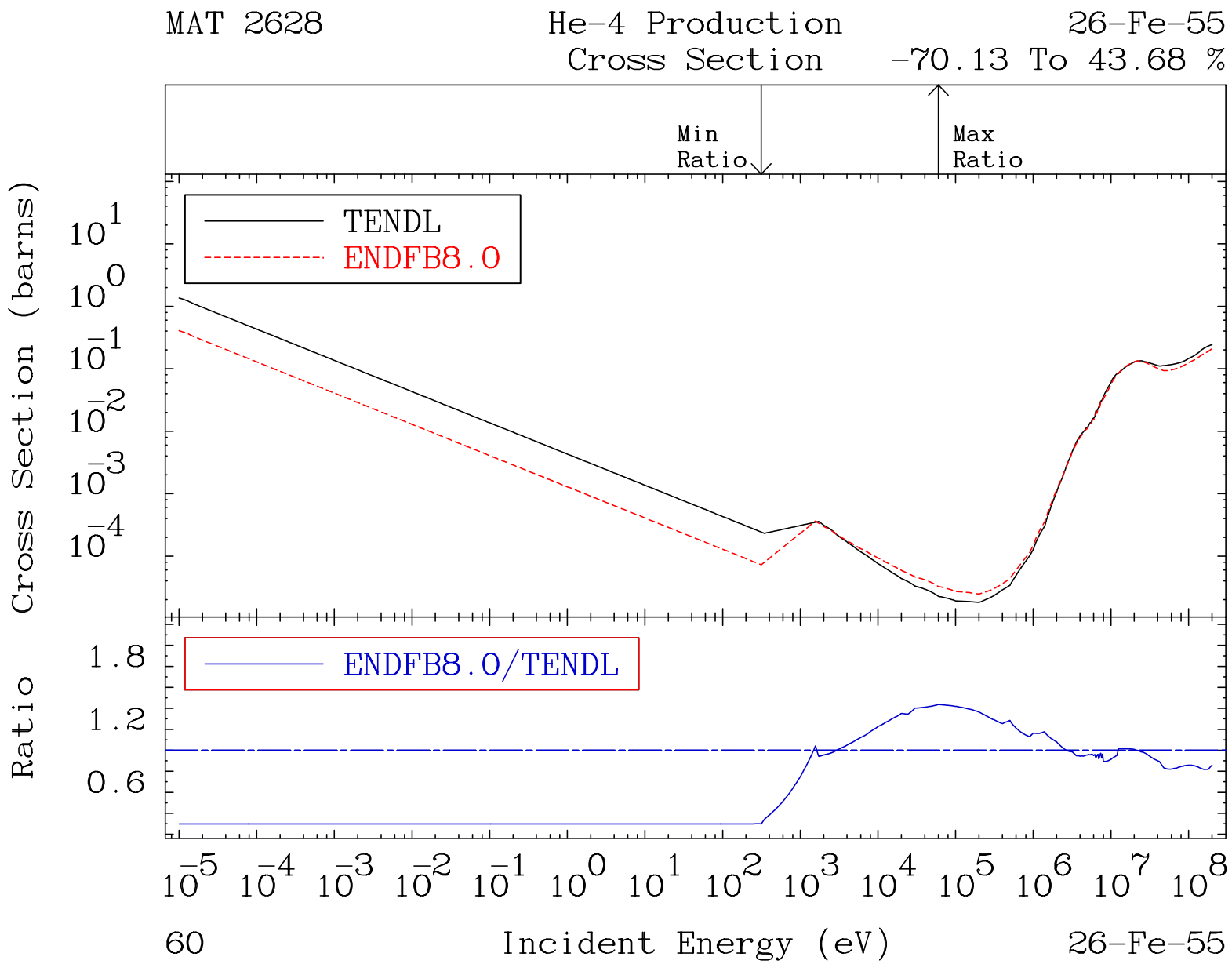

MAT 2628
(n,d) α
Cross Section
26-Fe-55
-42.74 To 484.3 %
Max Ratio
Min Ratio
TENDL Threshold 16.037 MeV
ENDFB8.0 Threshold 16.037 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
26-Fe-55

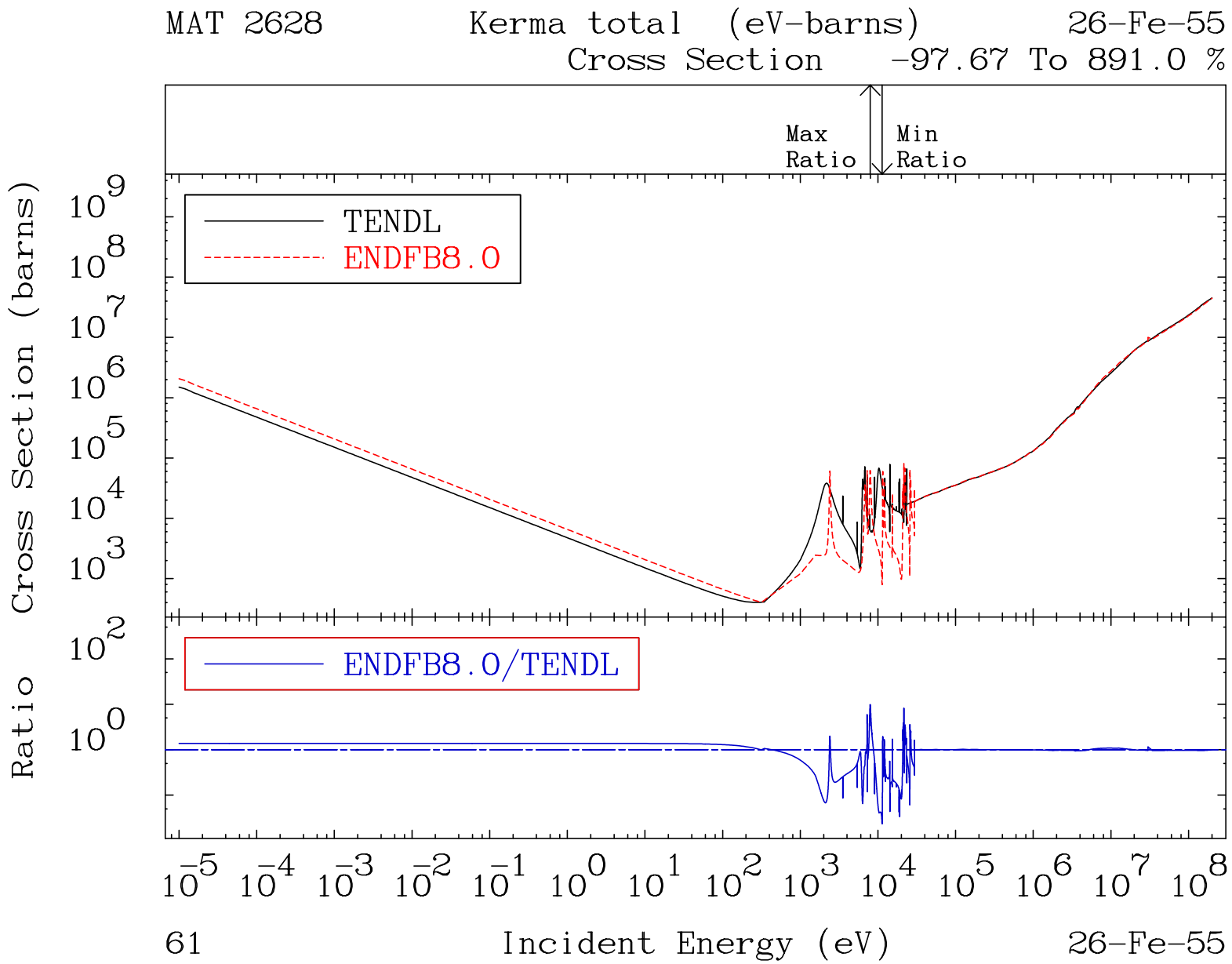

MAT 2628
Hydrogen Production
26-Fe-55
Cross Section
-5.985 To 61.44 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
56
26-Fe-55

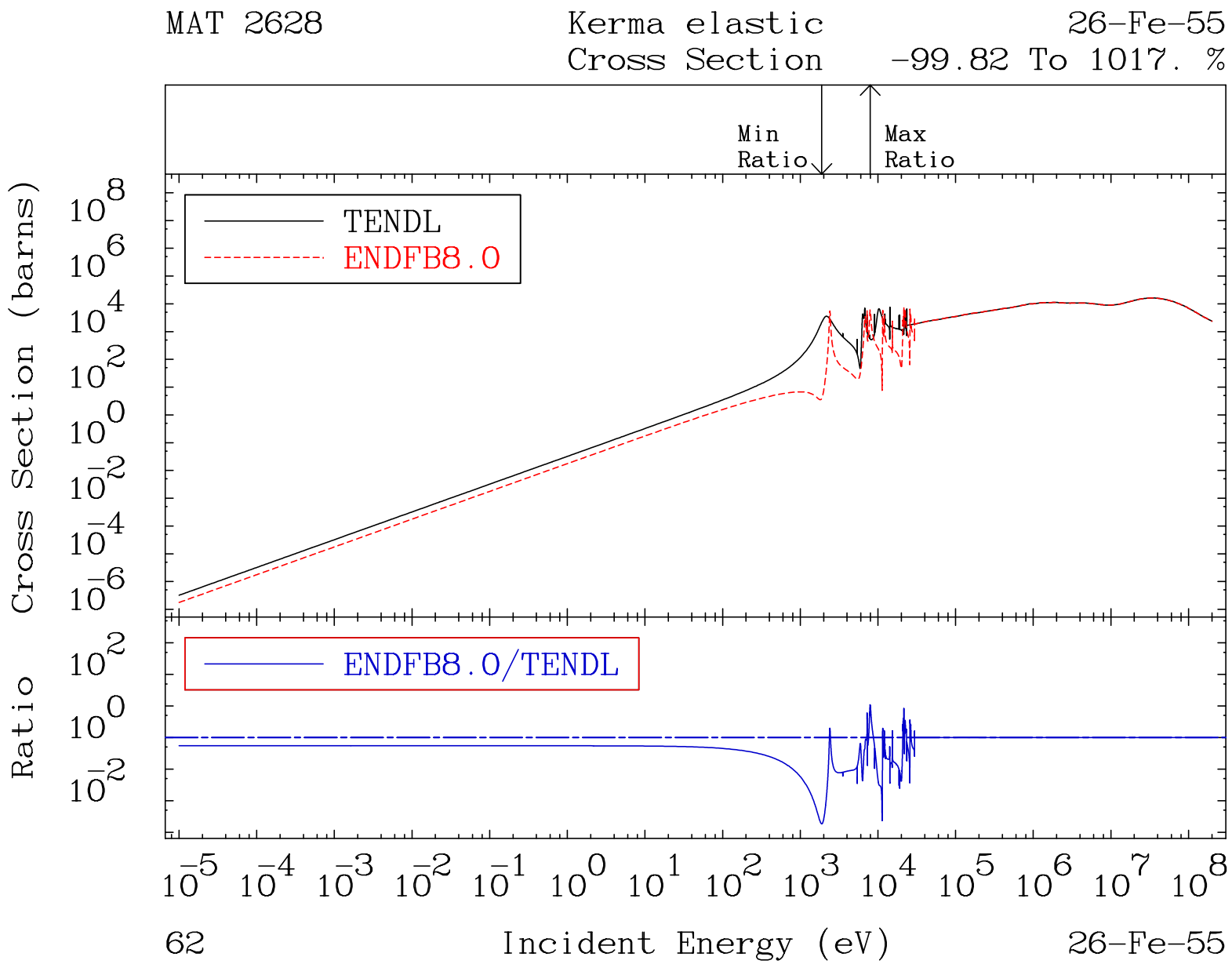

MAT 2628
Deuterium Production
26-Fe-55
Cross Section
-100.0 To 41.13 %
Min Ratio
Max Ratio
TENDL Threshold 7.1159 MeV
ENDFB8.0 Threshold 7.1168 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
57
Incident Energy (eV)
26-Fe-55

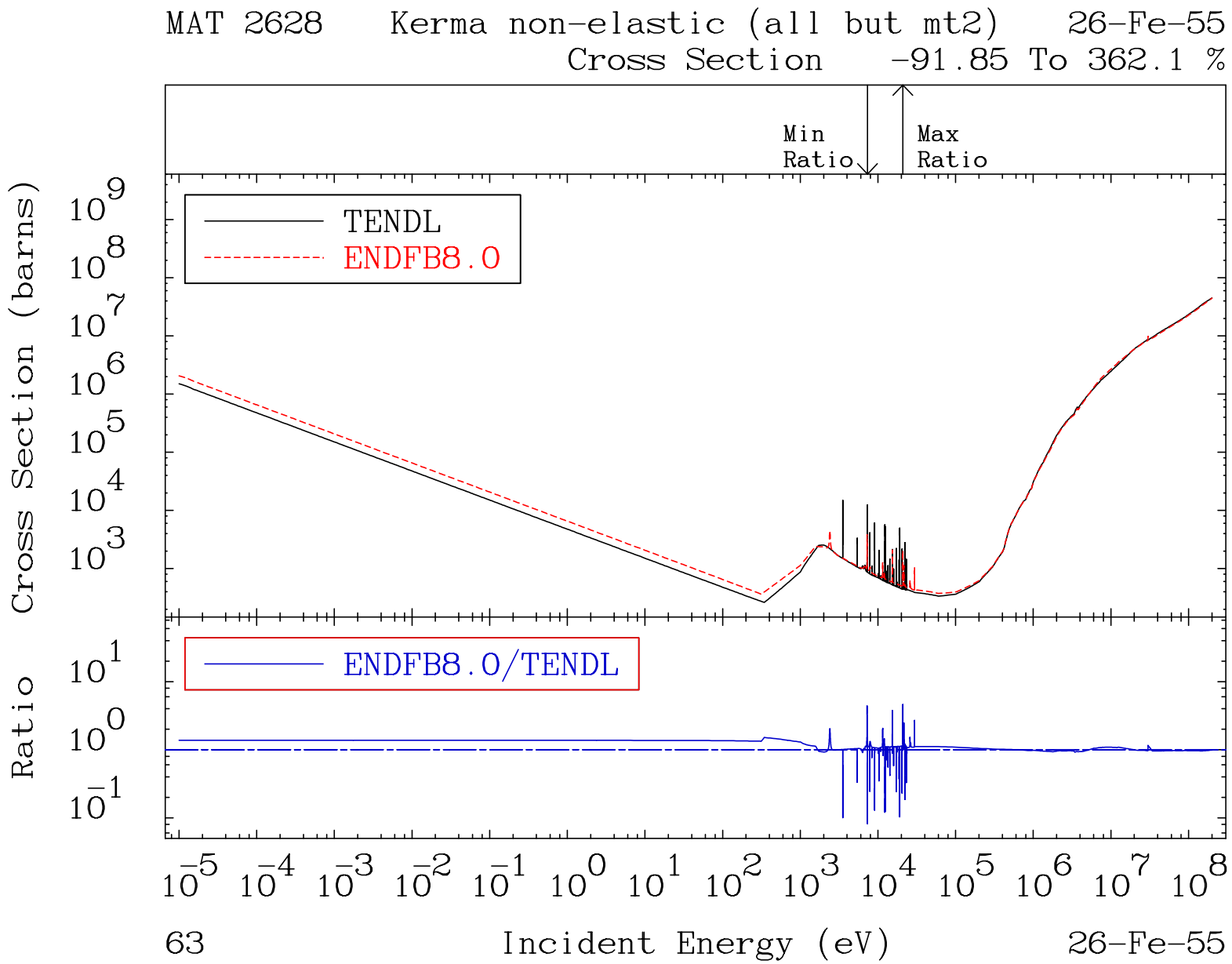

MAT 2628
Tritium Production
26-Fe-55
Cross Section
-100.0 To 25.08 %
Min Ratio
Max Ratio
TENDL Threshold 9.8471 MeV
ENDFB8.0 Threshold 9.8471 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
26-Fe-55

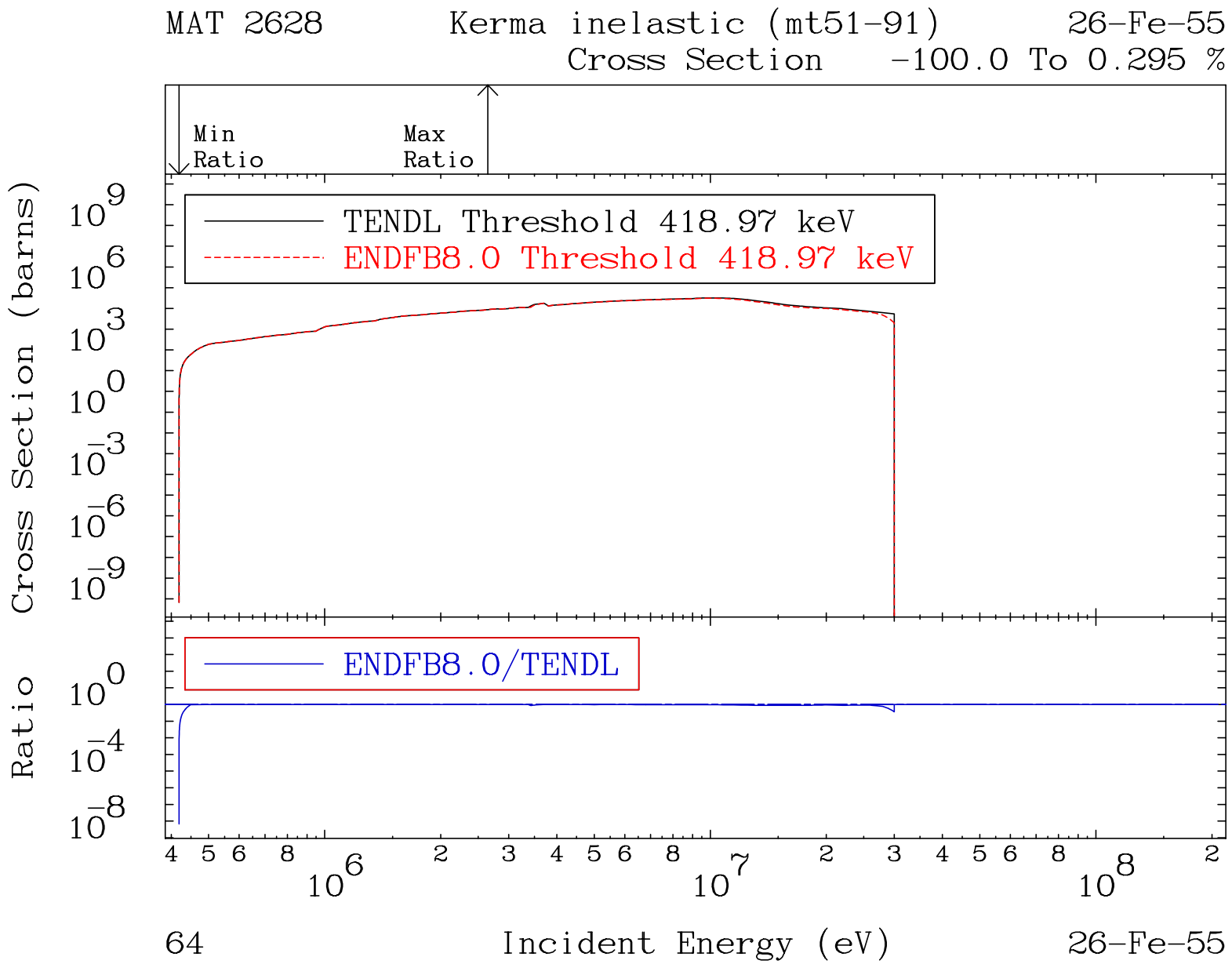

MAT 2628
He-3 Production
Cross Section
26-Fe-55
-100.0 To 4.089 %
Min Ratio
Max Ratio
TENDL Threshold 9.2199 MeV
ENDFB8.0 Threshold 9.2209 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
26-Fe-55

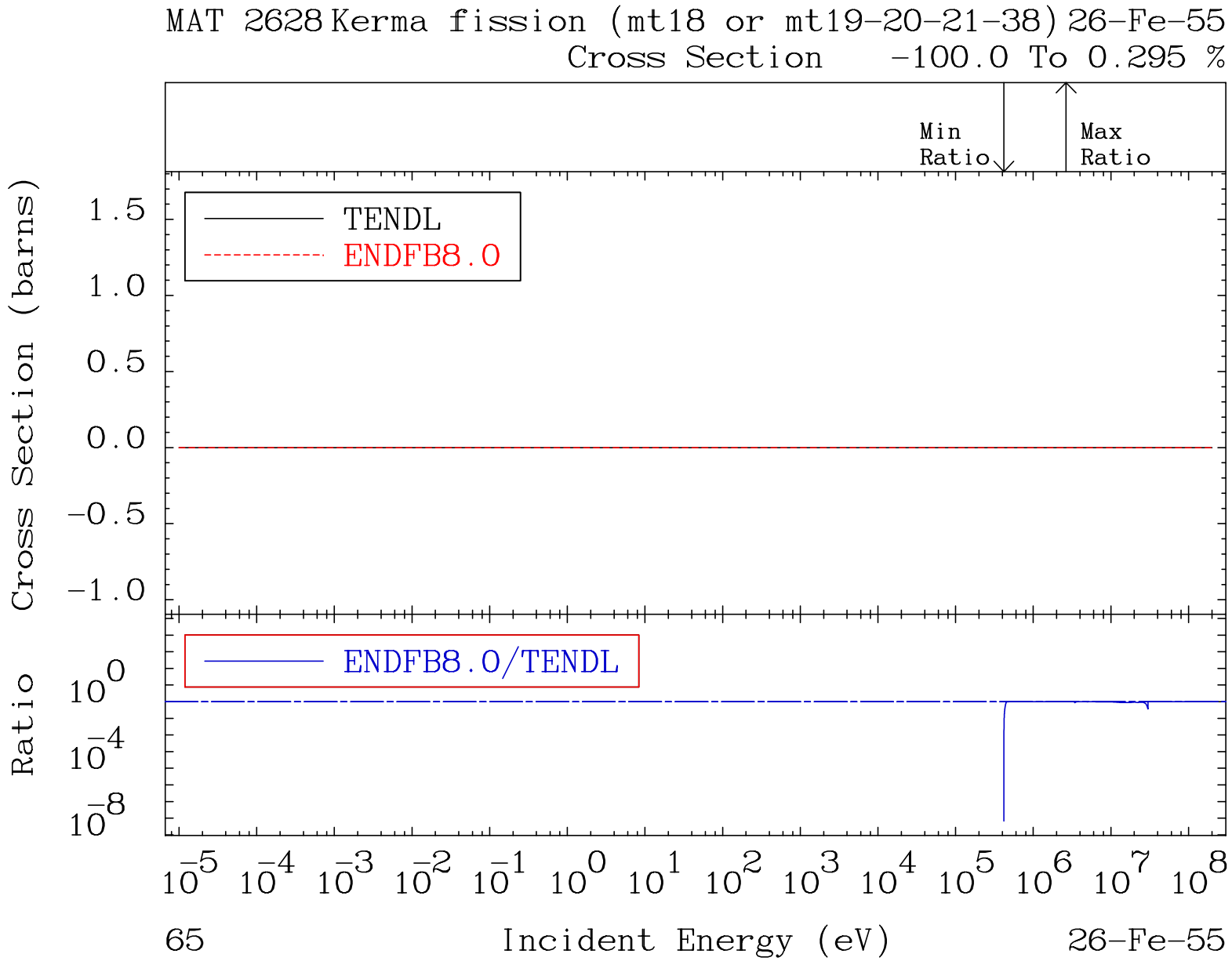

MAT 2628
He-4 Production
Cross Section
26-Fe-55
-70.13 To 43.68 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
60
26-Fe-55

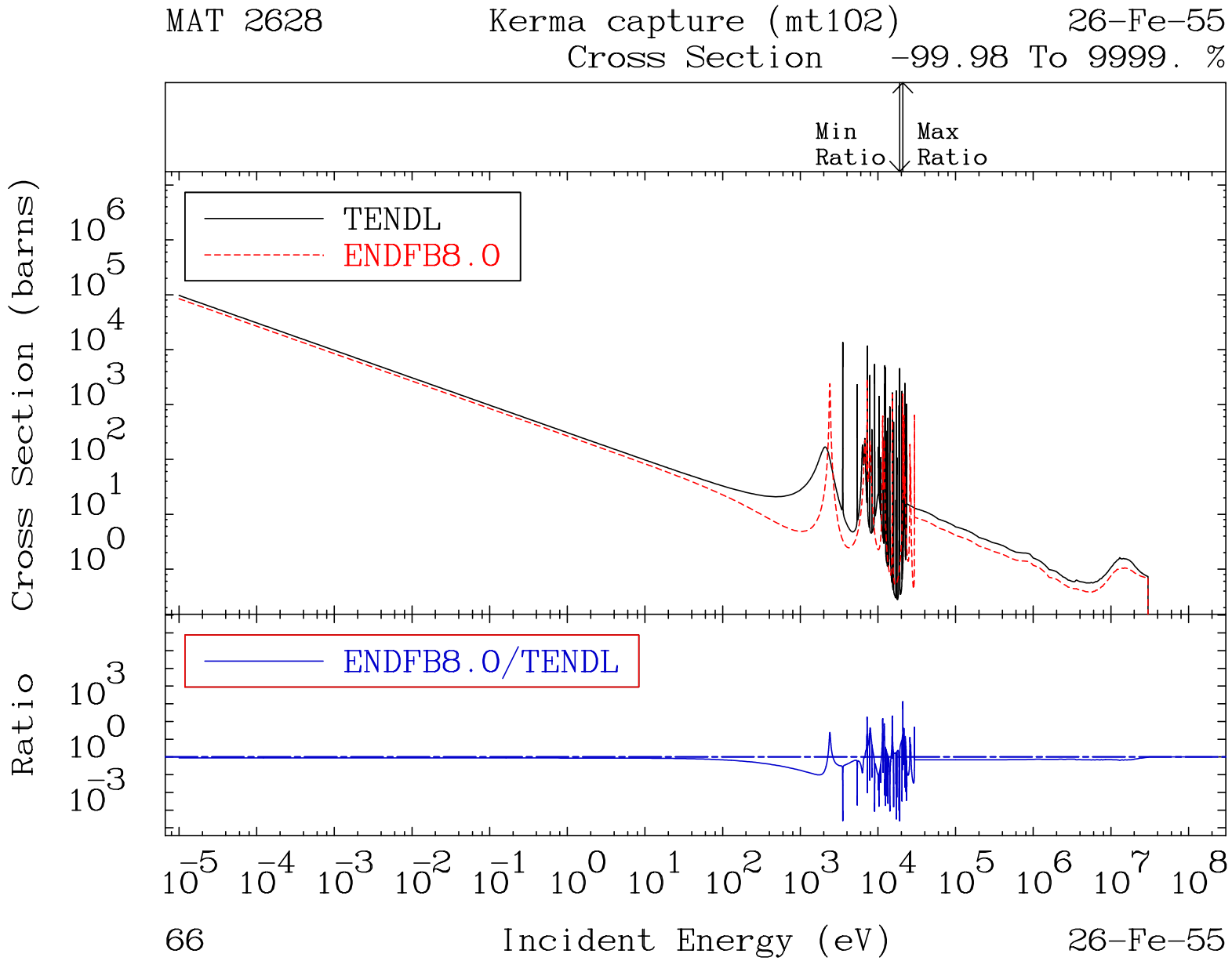

MAT 2628
Kerma total (eV-barns)
26-Fe-55
Cross Section -97.67 To 891.0 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
26-Fe-55

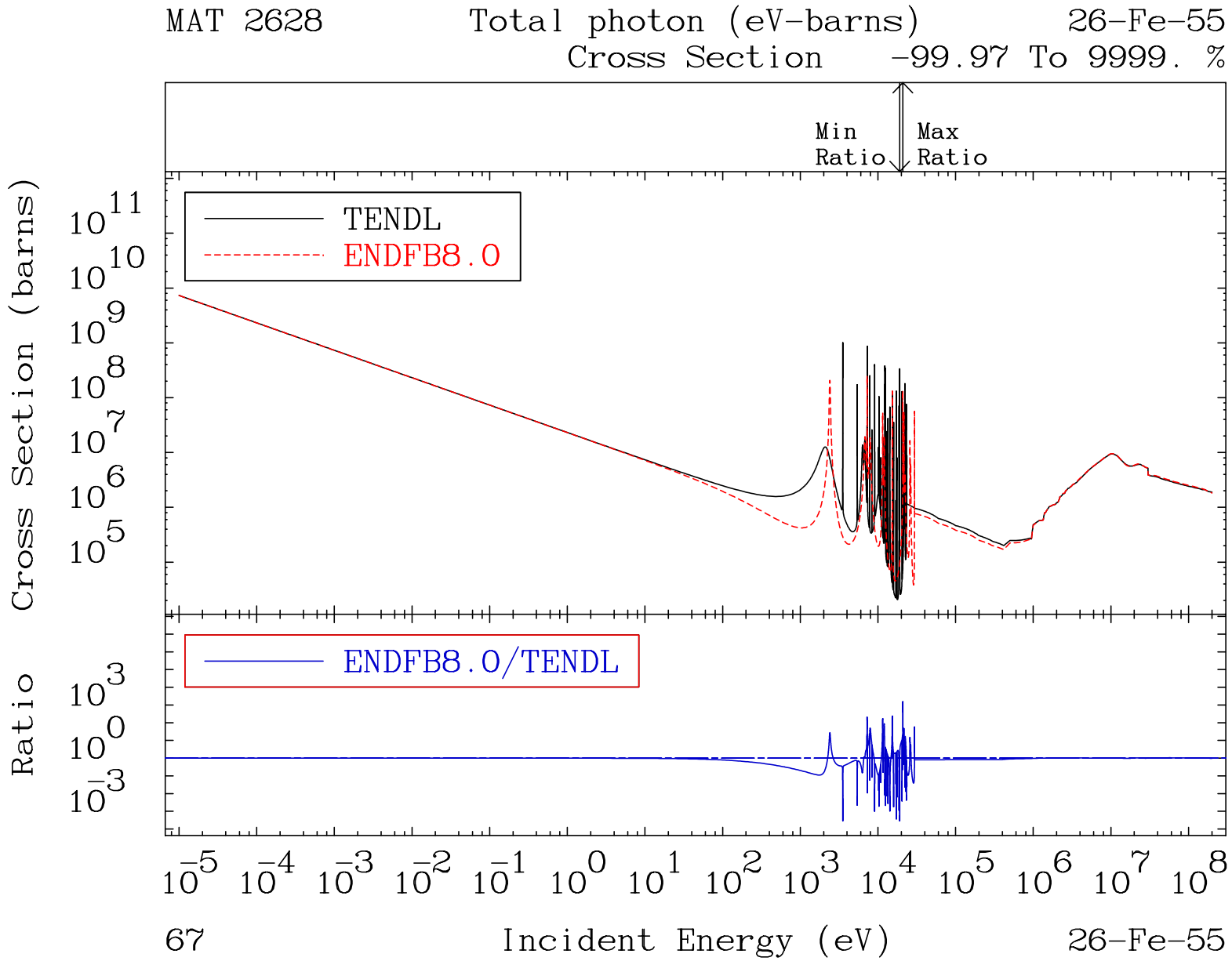

MAT 2628
Kerma elastic
Cross Section
26-Fe-55
-99.82 To 1017. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
26-Fe-55

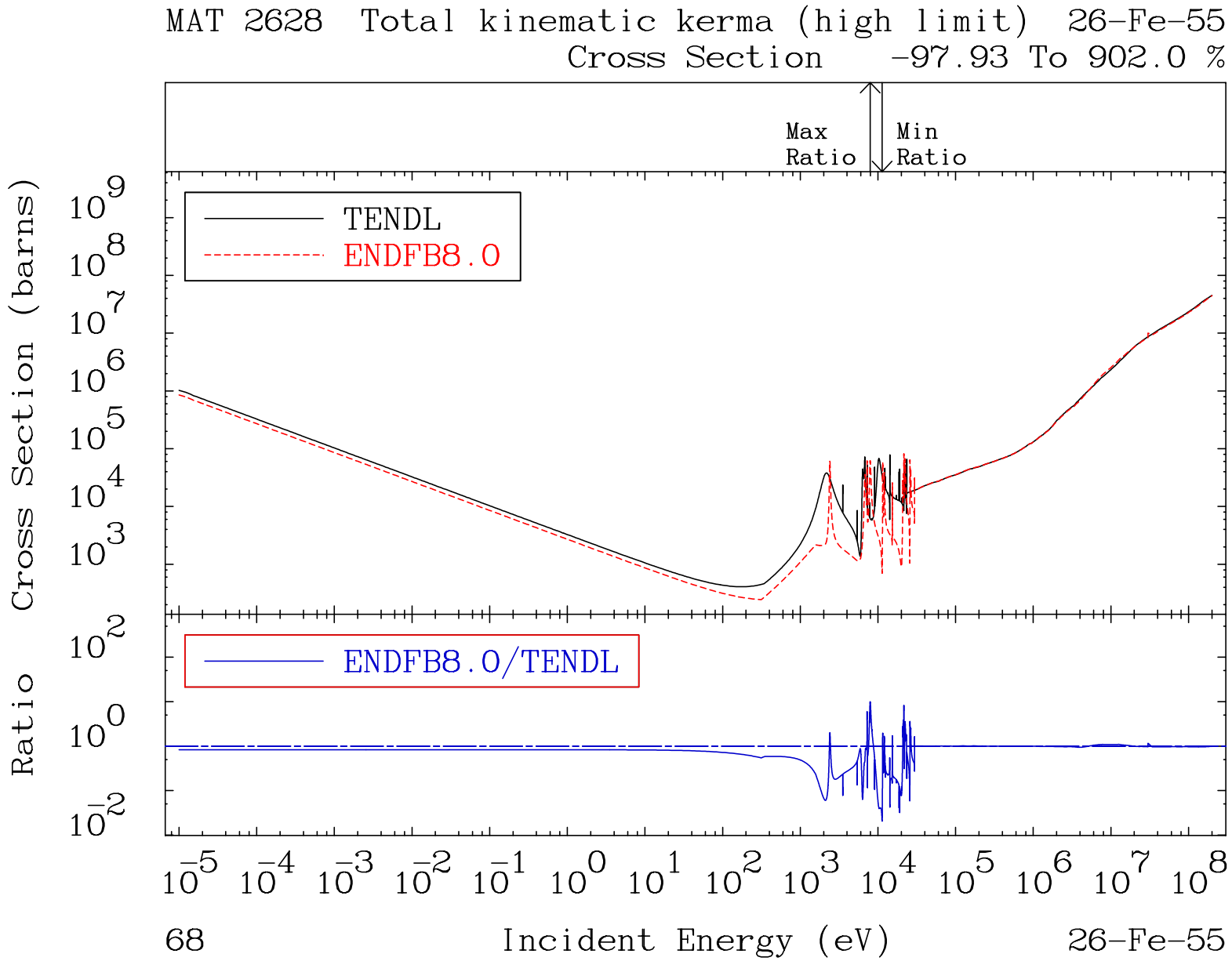

MAT 2628 Kerma non-elastic (all but mt2) 26-Fe-55
Cross Section -91.85 To 362.1 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
26-Fe-55

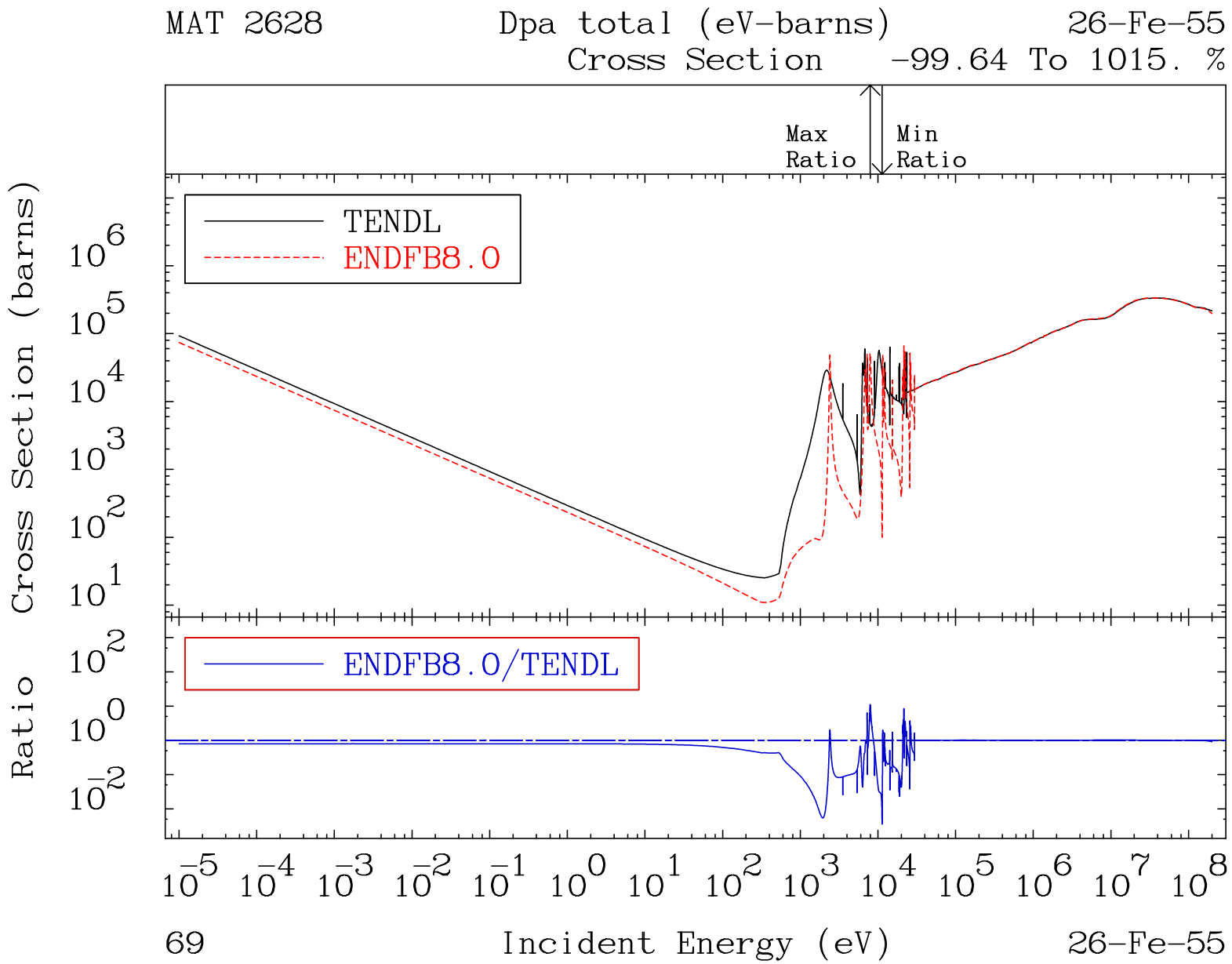

MAT 2628
Kerma inelastic (mt51-91)
26-Fe-55
Cross Section -100.0 To 0.295 %
Min Ratio
Max Ratio
TENDL Threshold 418.97 keV
ENDFB8.0 Threshold 418.97 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
64
26-Fe-55

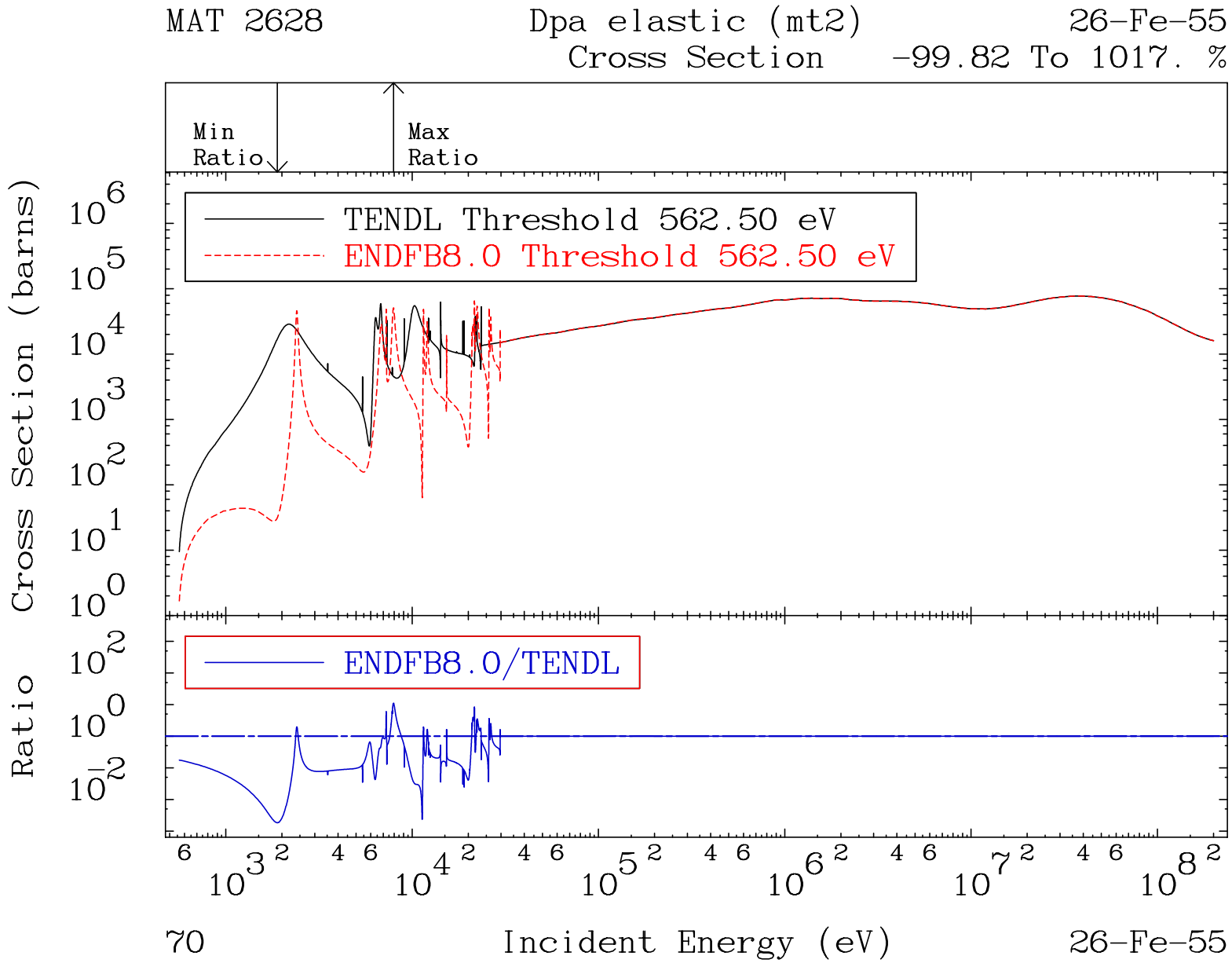

MAT 2628 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-55
Cross Section -100.0 To 0.295 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-8}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
65
Incident Energy (eV)
26-Fe-55

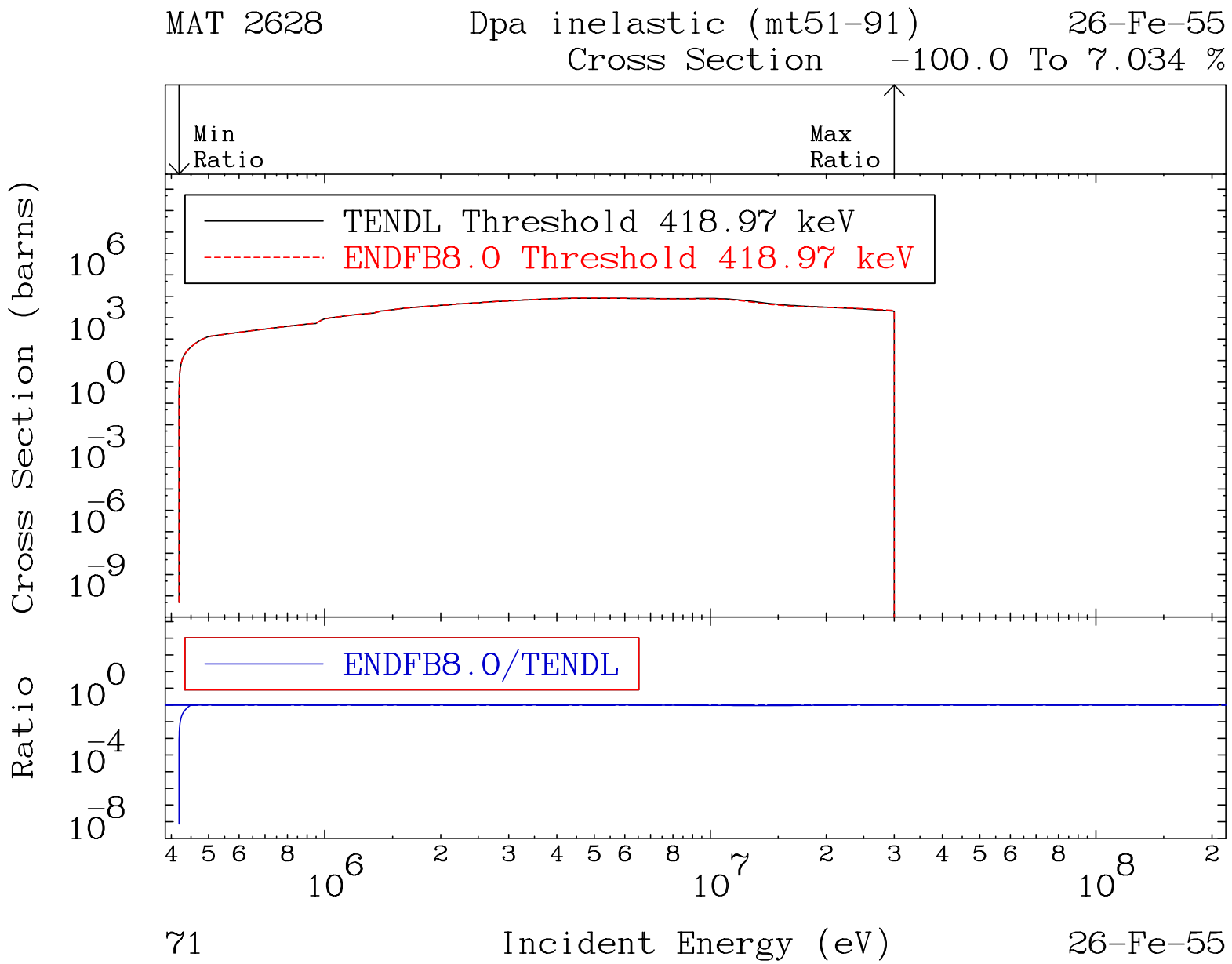

MAT 2628
Kerma capture (mt102)
26-Fe-55
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
66
26-Fe-55

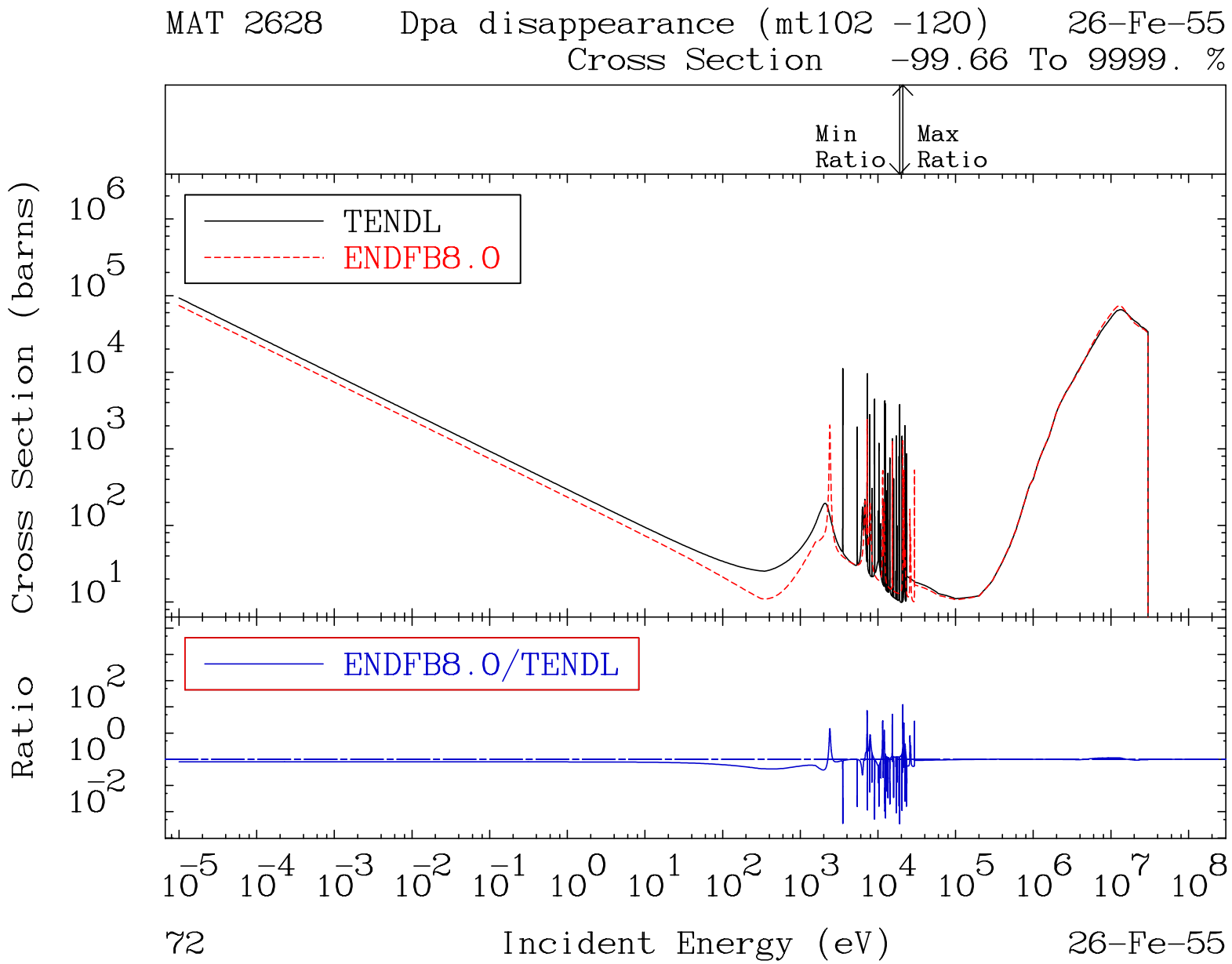

MAT 2628
Total photon (eV-barns)
26-Fe-55
Cross Section -99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
67
26-Fe-55

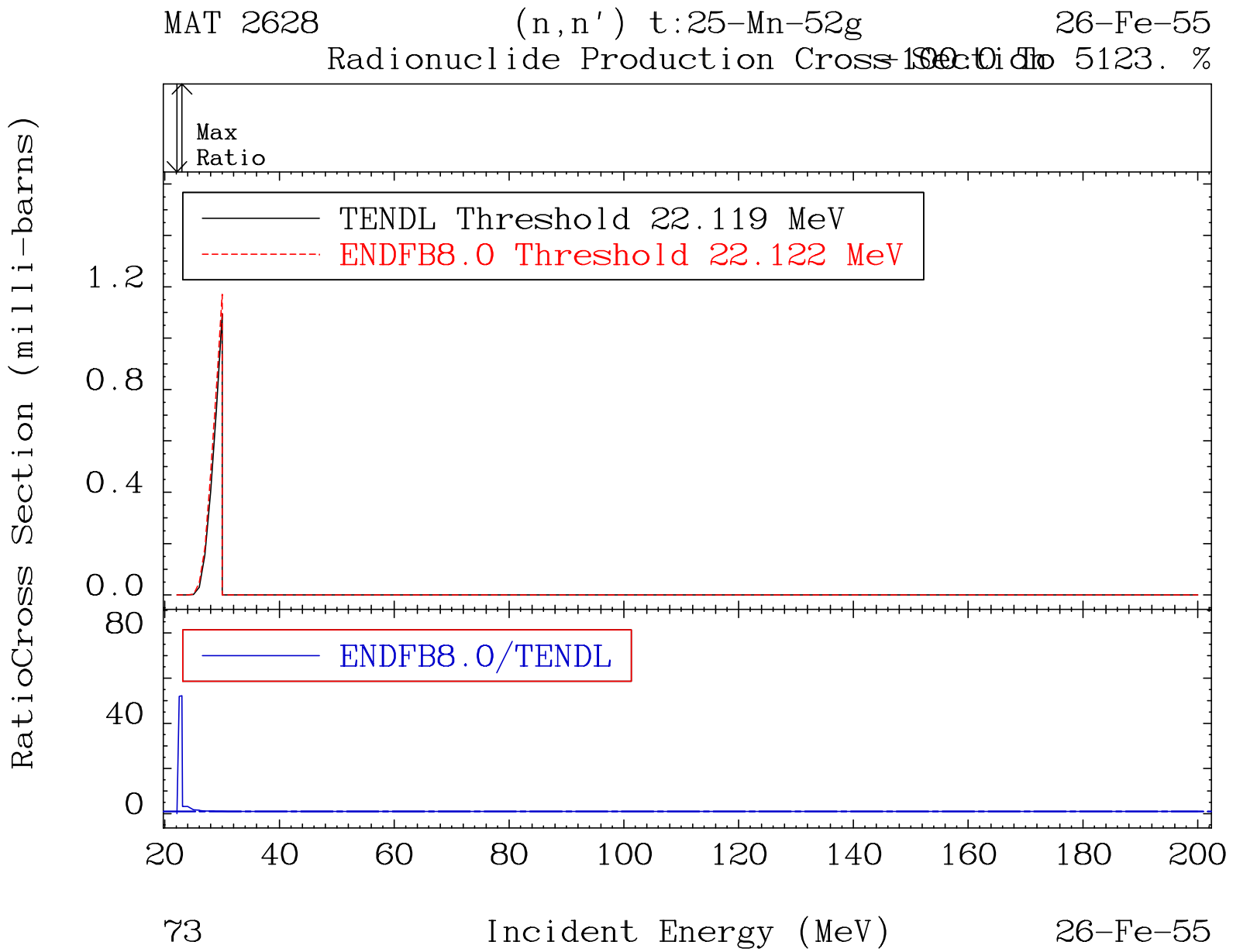

MAT 2628 Total kinematic kerma (high limit) 26-Fe-55
Cross Section -97.93 To 902.0 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
26-Fe-55

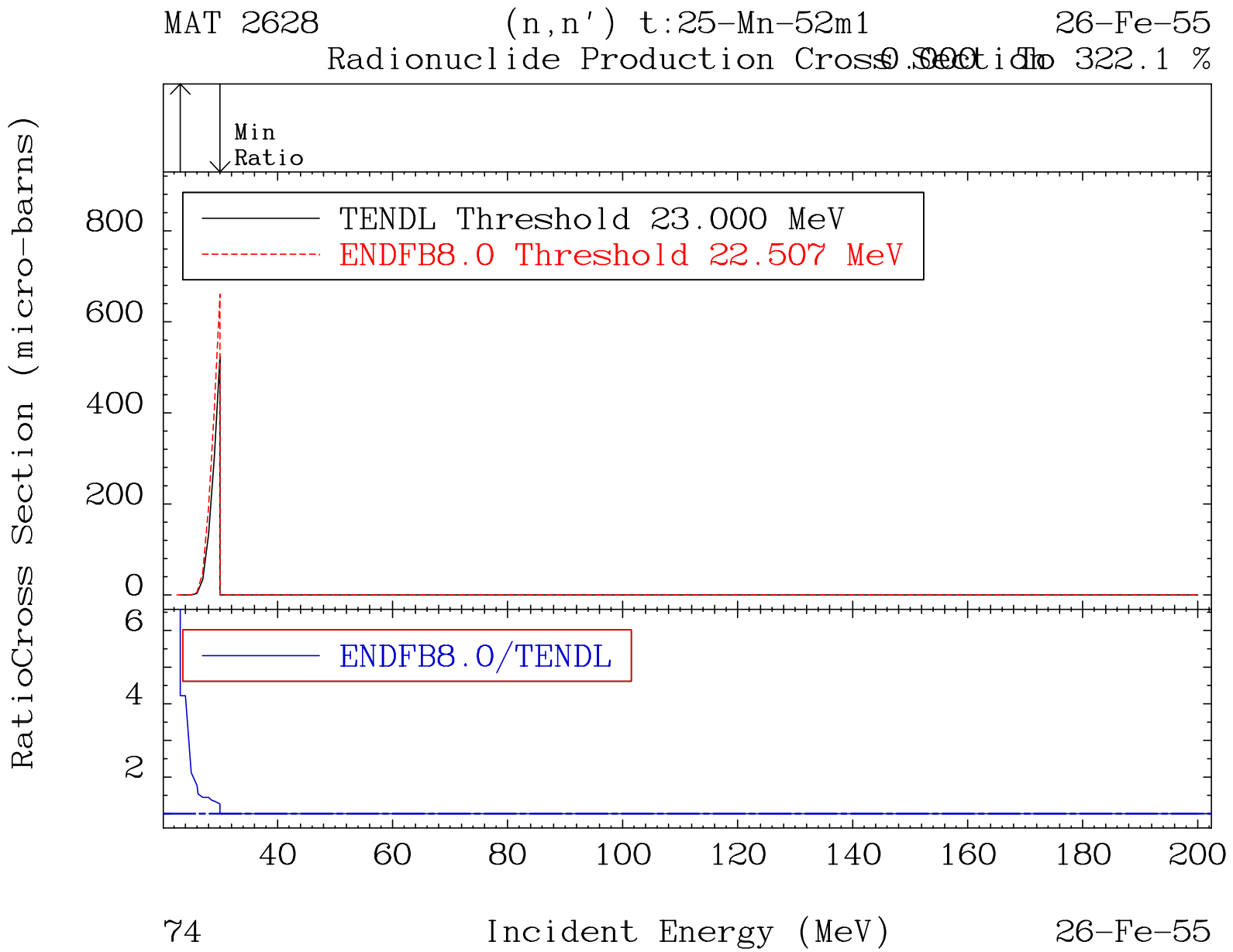

MAT 2628
Dpa total (eV-barns)
26-Fe-55
Cross Section
-99.64 To 1015. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
26-Fe-55


MAT 2628
Dpa elastic (mt2)
Cross Section
26-Fe-55
-99.82 To 1017. %
Min Ratio
Max Ratio
TENDL Threshold 562.50 eV
ENDFB8.0 Threshold 562.50 eV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
26-Fe-55


MAT 2628
Dpa inelastic (mt51-91)
26-Fe-55
Cross Section
-100.0 To 7.034 %
Min Ratio
Max Ratio
TENDL Threshold 418.97 keV
ENDFB8.0 Threshold 418.97 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
71
26-Fe-55


MAT 2628 Dpa disappearance (mt102 -120) 26-Fe-55
Cross Section -99.66 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
72
26-Fe-55


MAT 2628
(n,n') t:25-Mn-52g
26-Fe-55
Radionuclide Production Cross Section To 5123. %
Max
Ratio
TENDL Threshold 22.119 MeV
ENDFB8.0 Threshold 22.122 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
1.2
0.8
0.4
0.0
80
40
0
20
40
60
80
100
120
140
160
180
200
73
Incident Energy (MeV)
26-Fe-55


MAT 2628
(n,n') t:25-Mn-52m1
26-Fe-55
Radionuclide Production Cross Section
0.000 To 322.1 %
Min
Ratio
TENDL Threshold 23.000 MeV
ENDFB8.0 Threshold 22.507 MeV
ENDFB8.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
6
4
2
40
60
80
100
120
140
160
180
200
74
Incident Energy (MeV)
26-Fe-55