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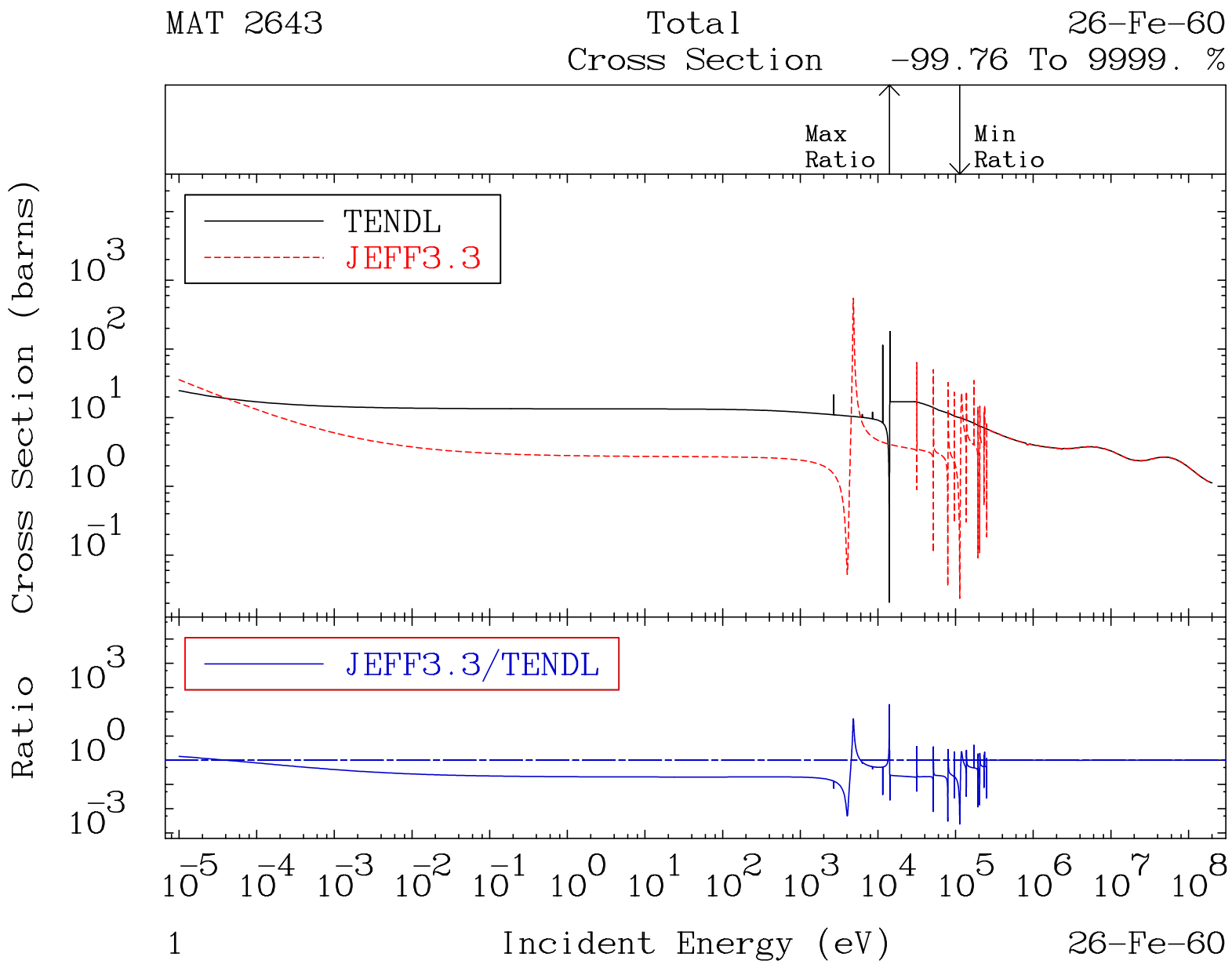
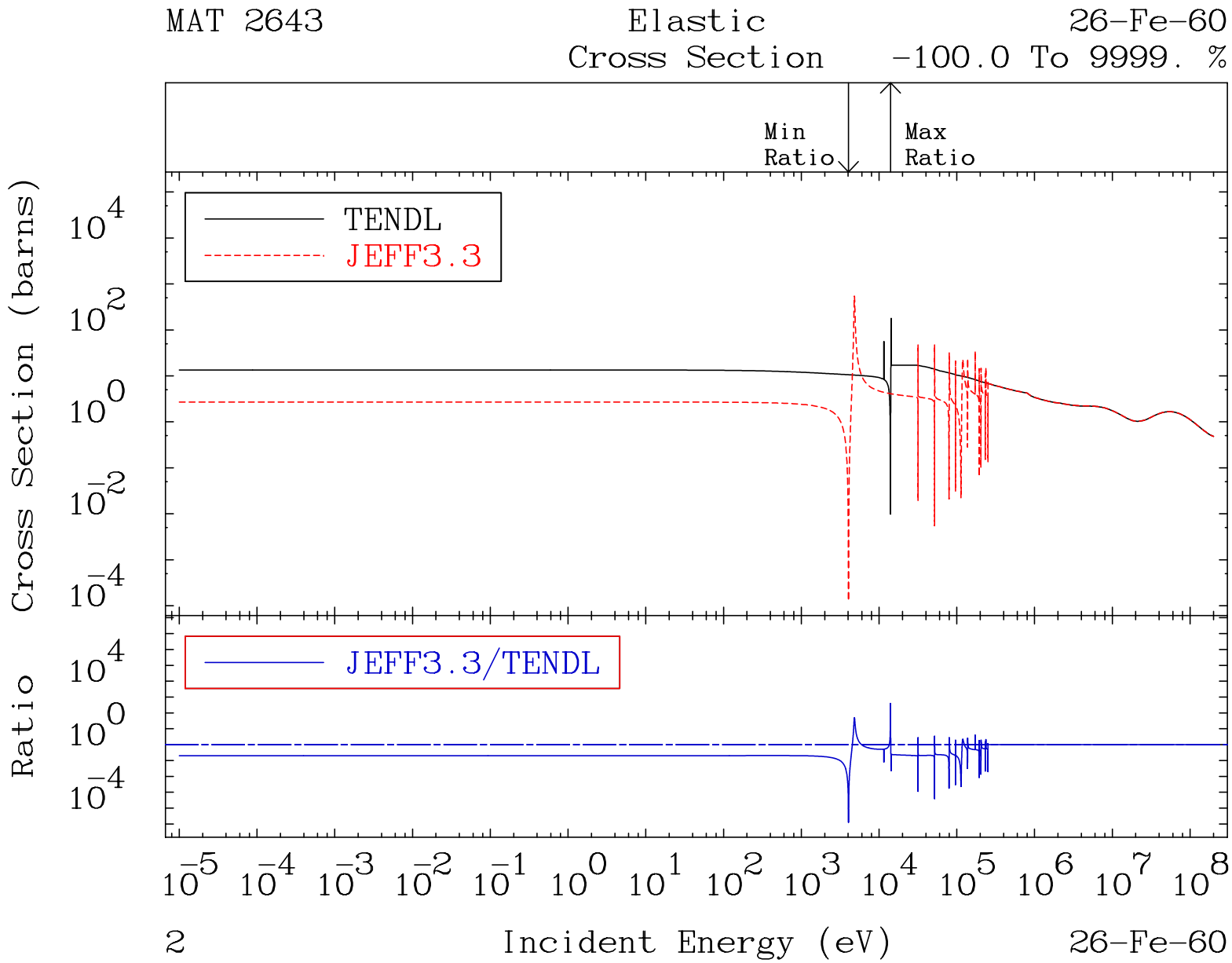
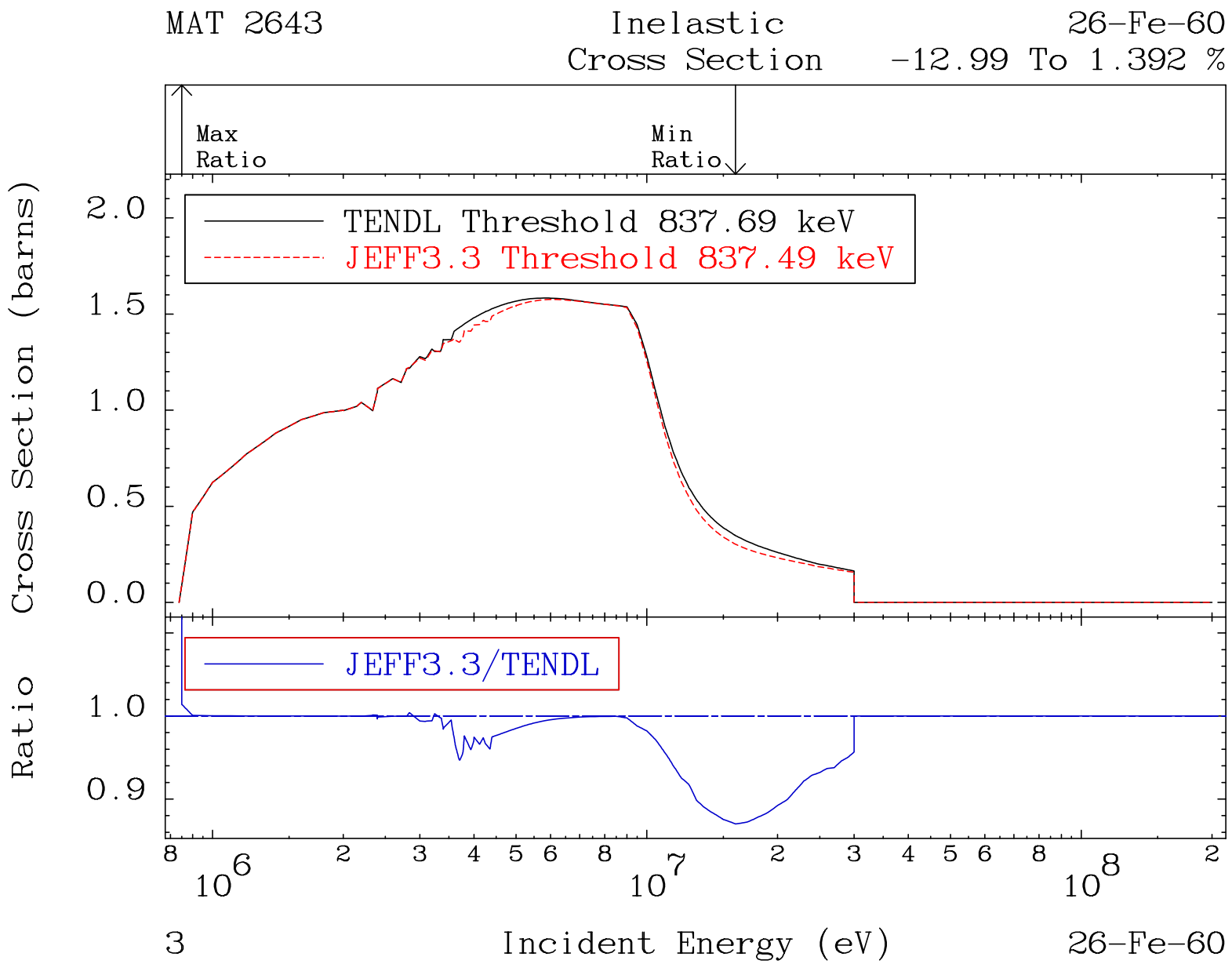
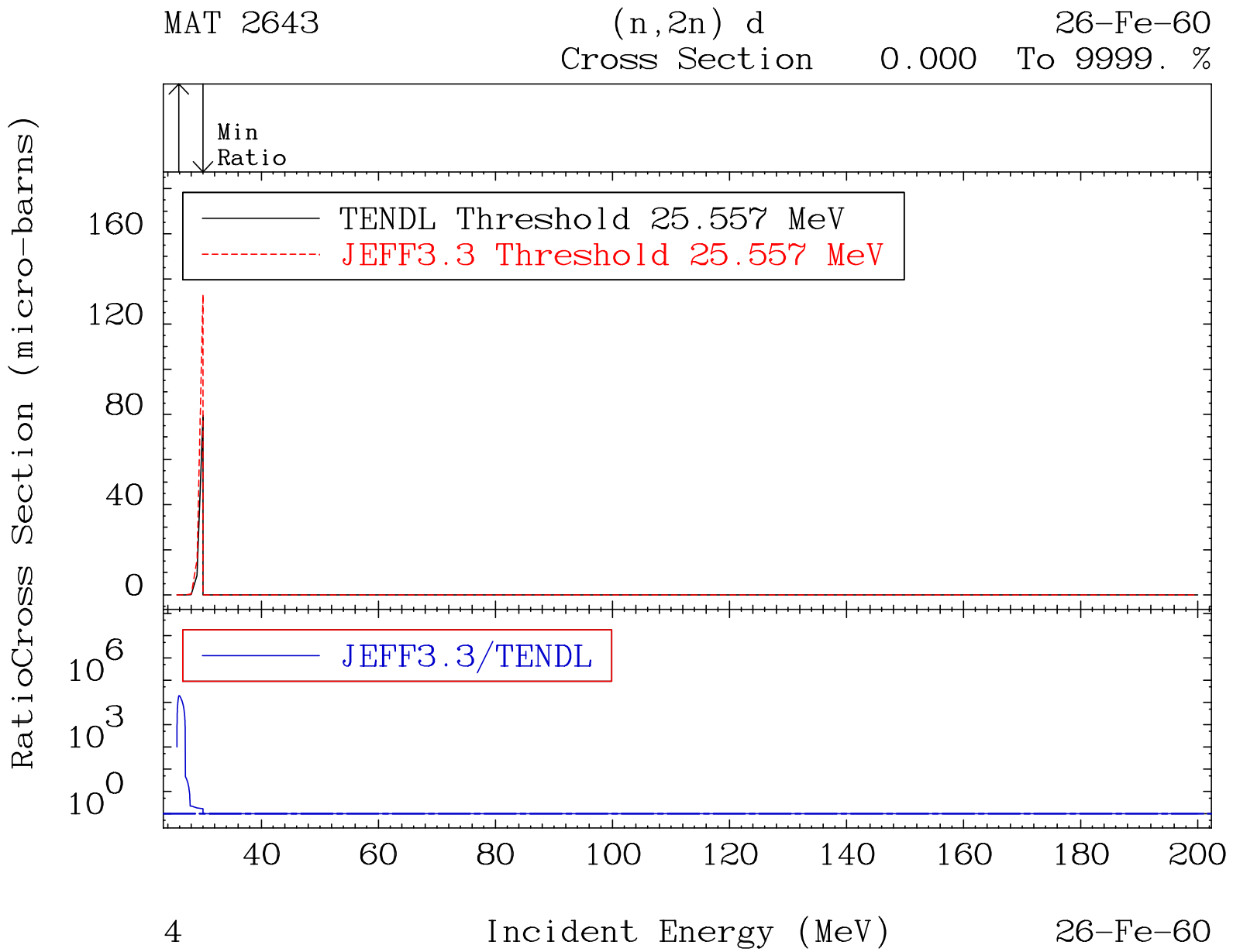
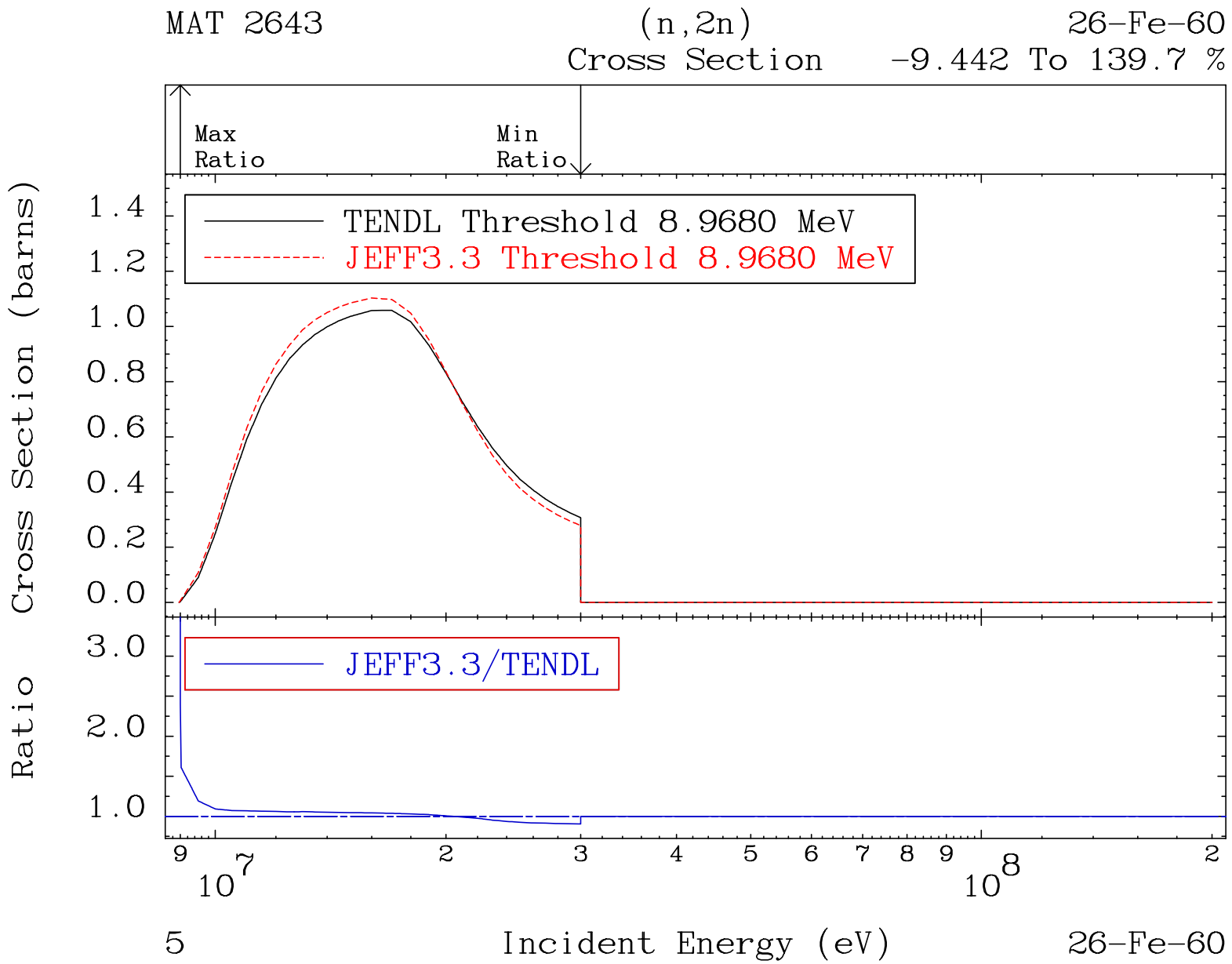
Press Mouse Button to Start

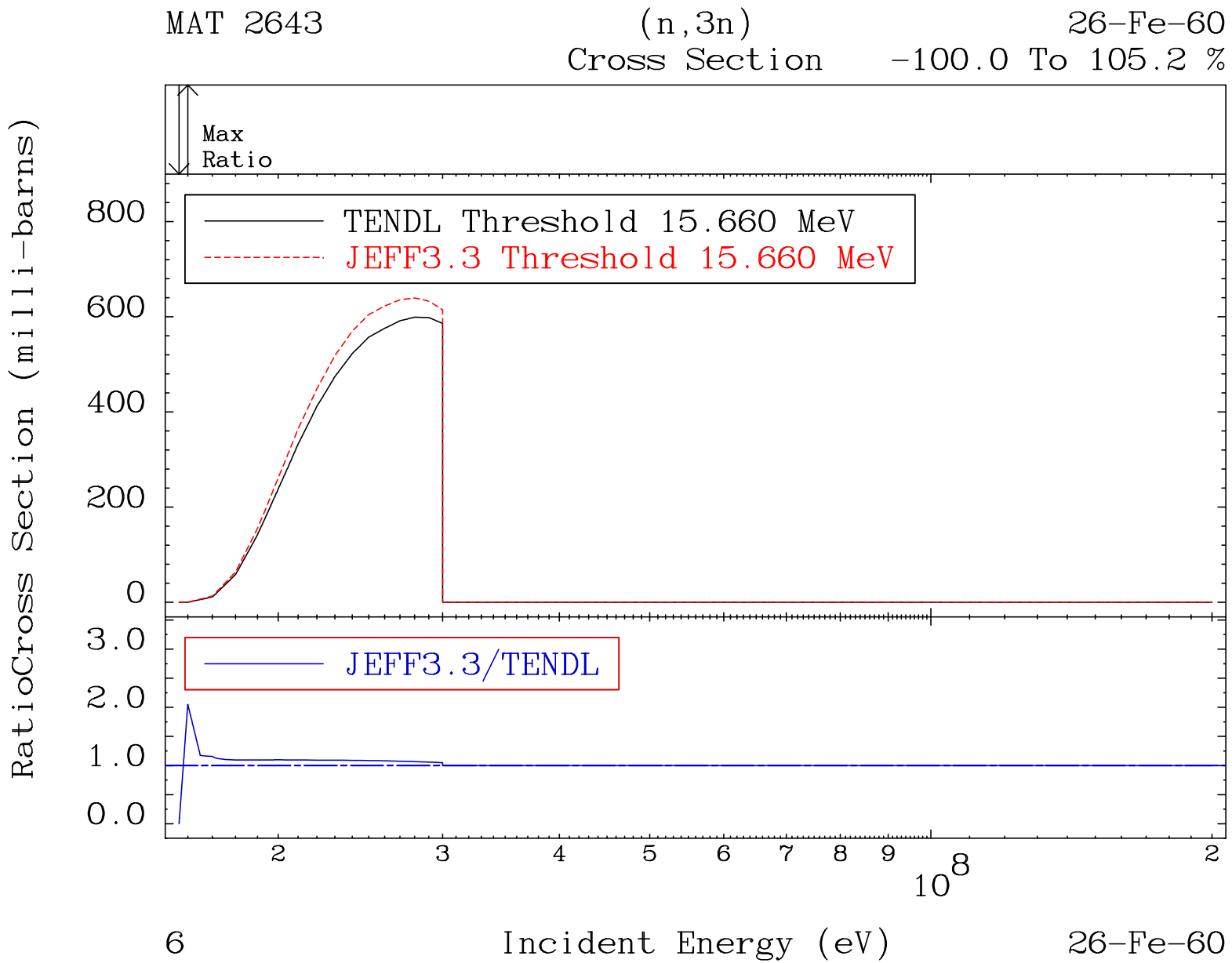

MAT 2643
Total
Cross Section
26-Fe-60
-99.76 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
26-Fe-60

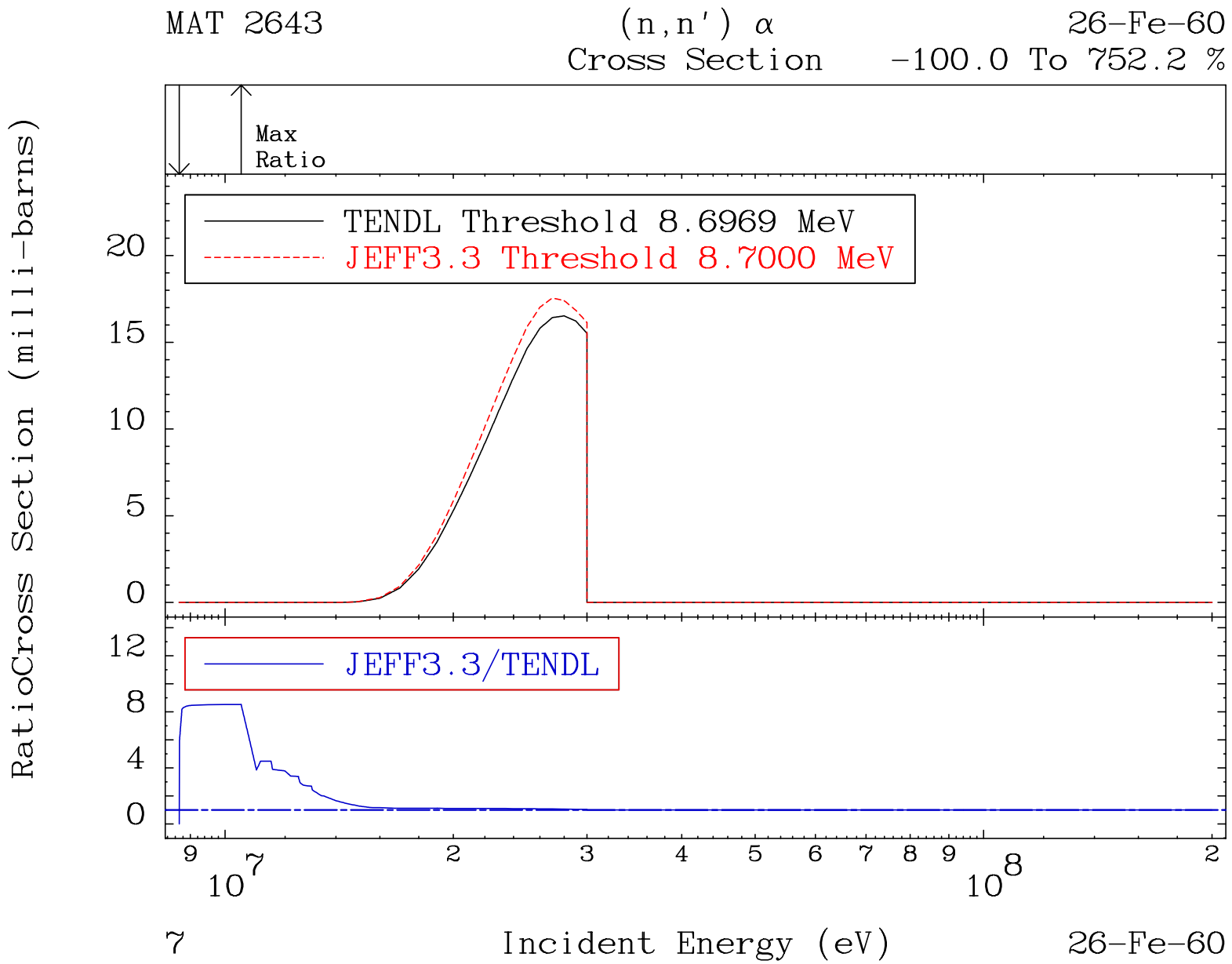

MAT 2643
Elastic
Cross Section
26-Fe-60
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
26-Fe-60

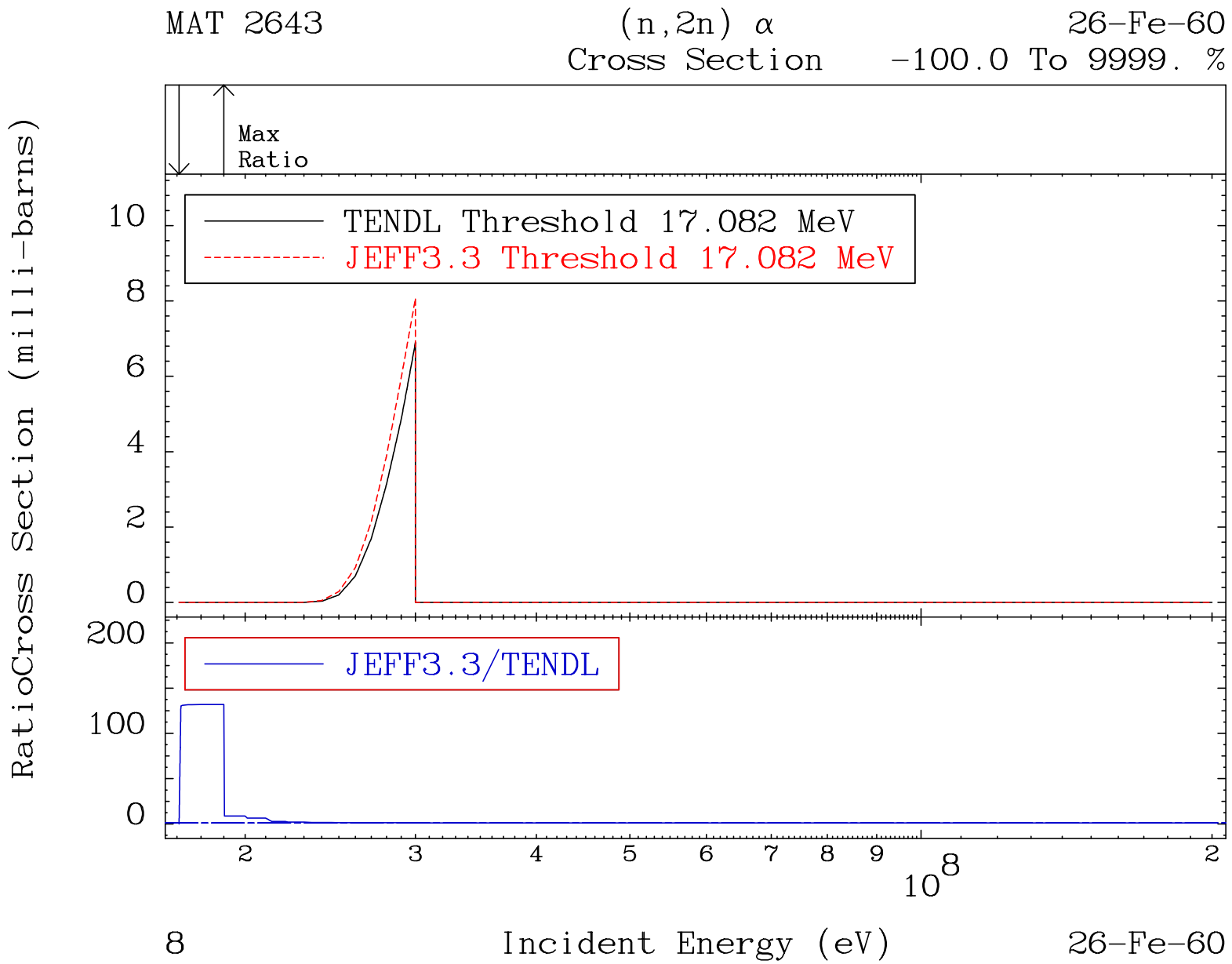

MAT 2643
Inelastic
Cross Section
26-Fe-60
-12.99 To 1.392 %
Max
Ratio
Min
Ratio
TENDL Threshold 837.69 keV
JEFF3.3 Threshold 837.49 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.0
0.9
8
2
3
4
5
6
8
10^6
10^7
10^8
Incident Energy (eV)
3
26-Fe-60

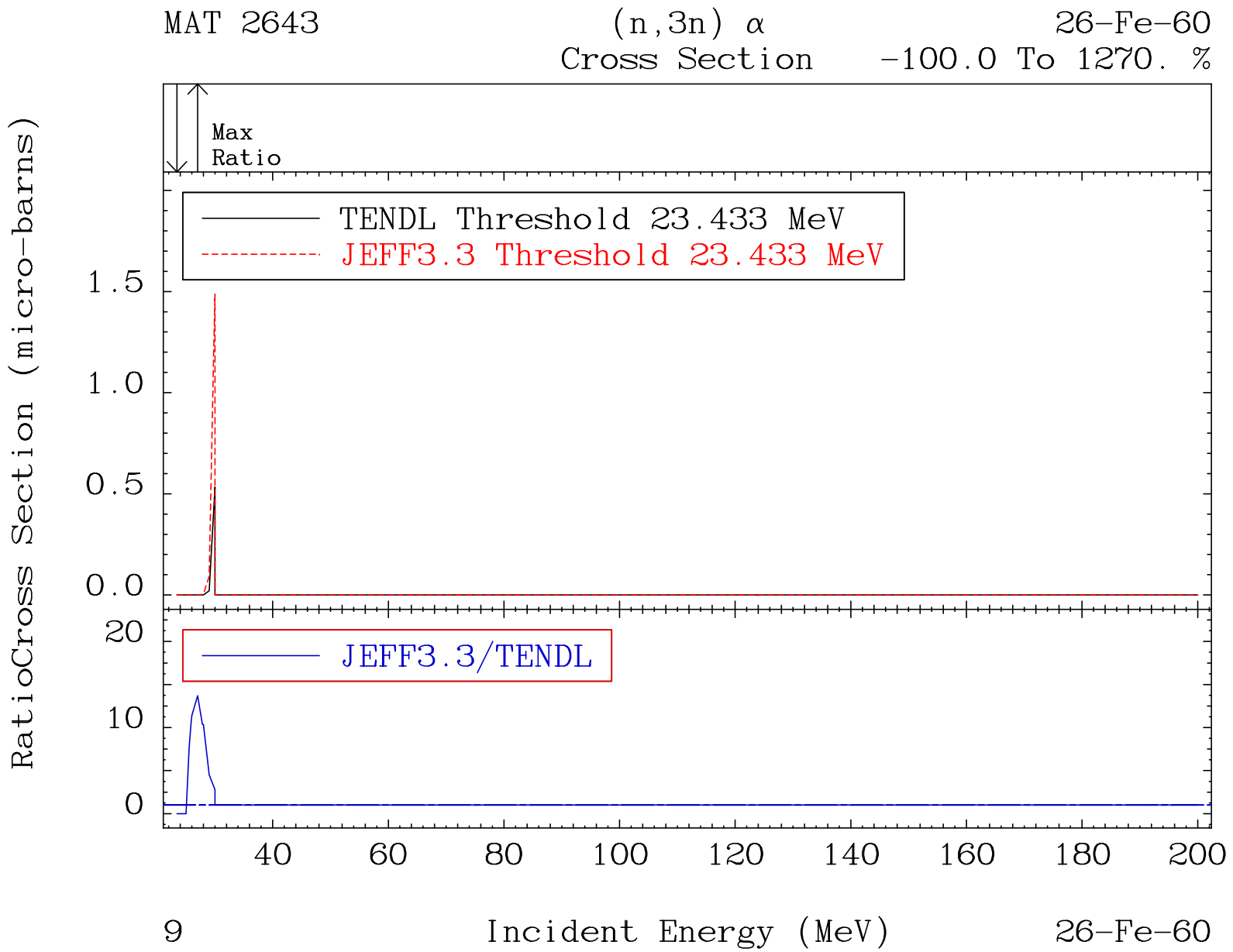

MAT 2643
(n,2n) d
26-Fe-60
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 25.557 MeV
JEFF3.3 Threshold 25.557 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
10^6
10^3
10^0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
26-Fe-60

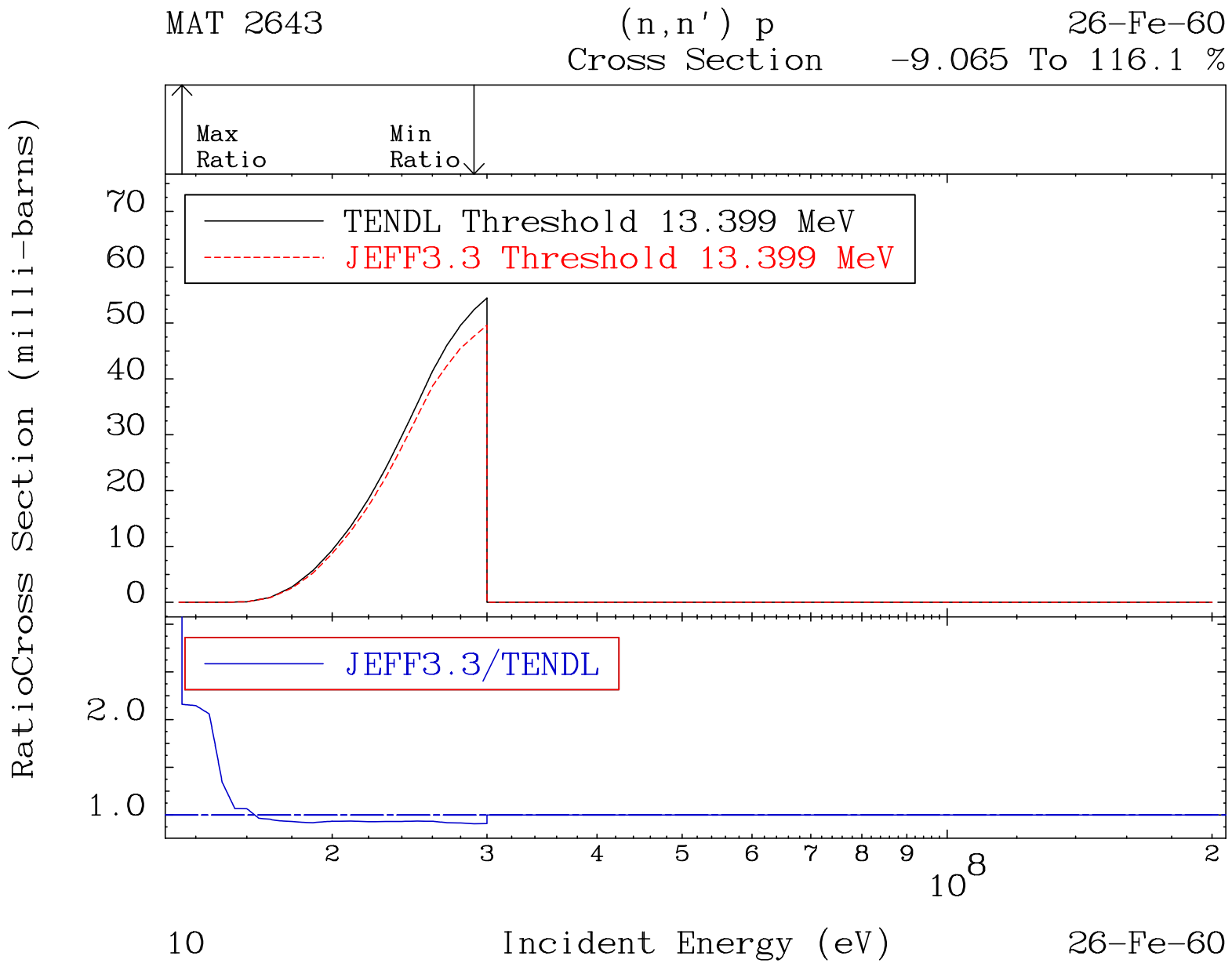

MAT 2643
(n,2n)
Cross Section
26-Fe-60
-9.442 To 139.7 %
Max Ratio
Min Ratio
TENDL Threshold 8.9680 MeV
JEFF3.3 Threshold 8.9680 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
5
Incident Energy (eV)
26-Fe-60

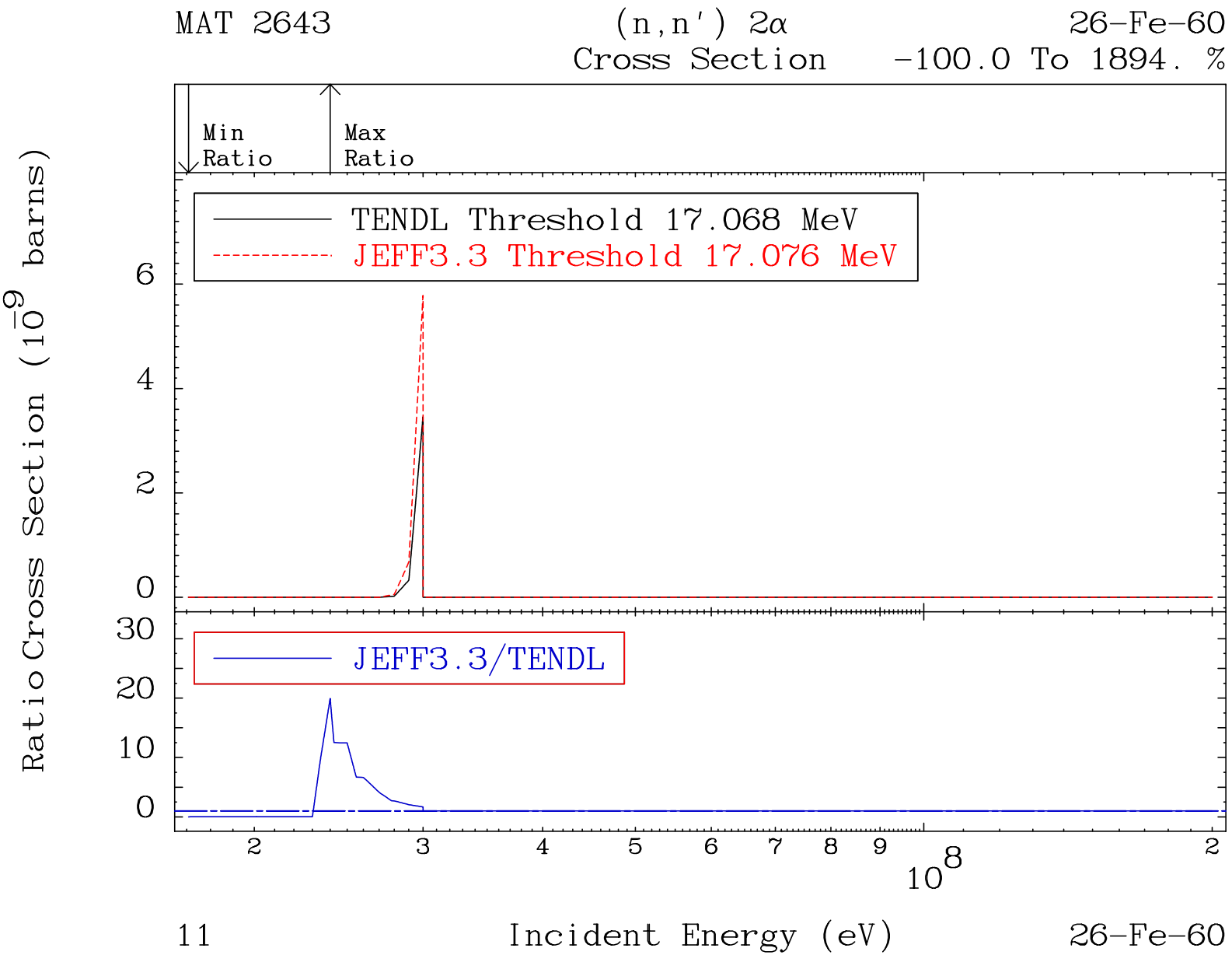

MAT 2643
(n,3n)
Cross Section
26-Fe-60
-100.0 To 105.2 %
Max
Ratio
TENDL Threshold 15.660 MeV
JEFF3.3 Threshold 15.660 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
26-Fe-60

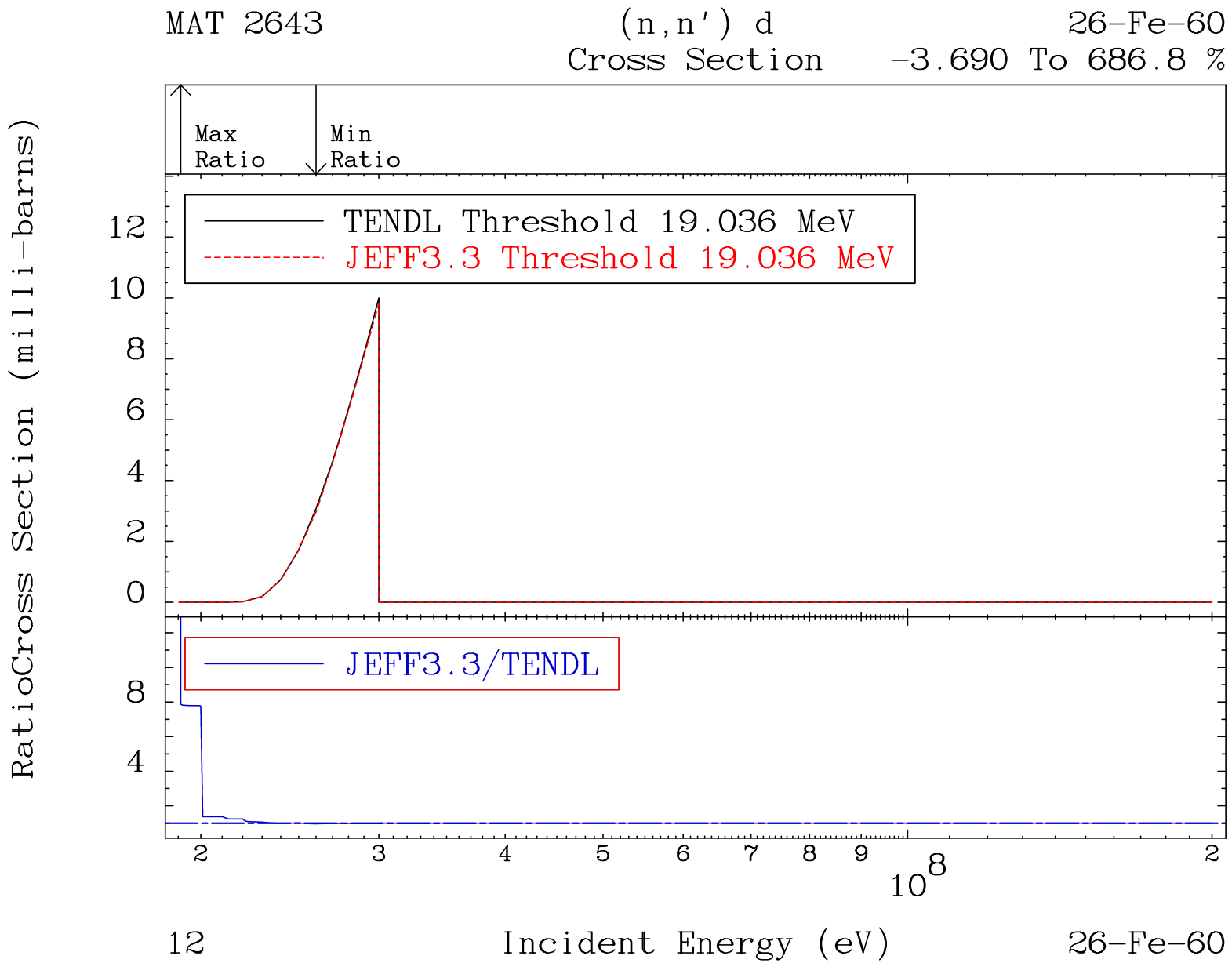

MAT 2643
(n,n') α
Cross Section
26-Fe-60
-100.0 To 752.2 %
Max
Ratio
TENDL Threshold 8.6969 MeV
JEFF3.3 Threshold 8.7000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
12
8
4
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
26-Fe-60

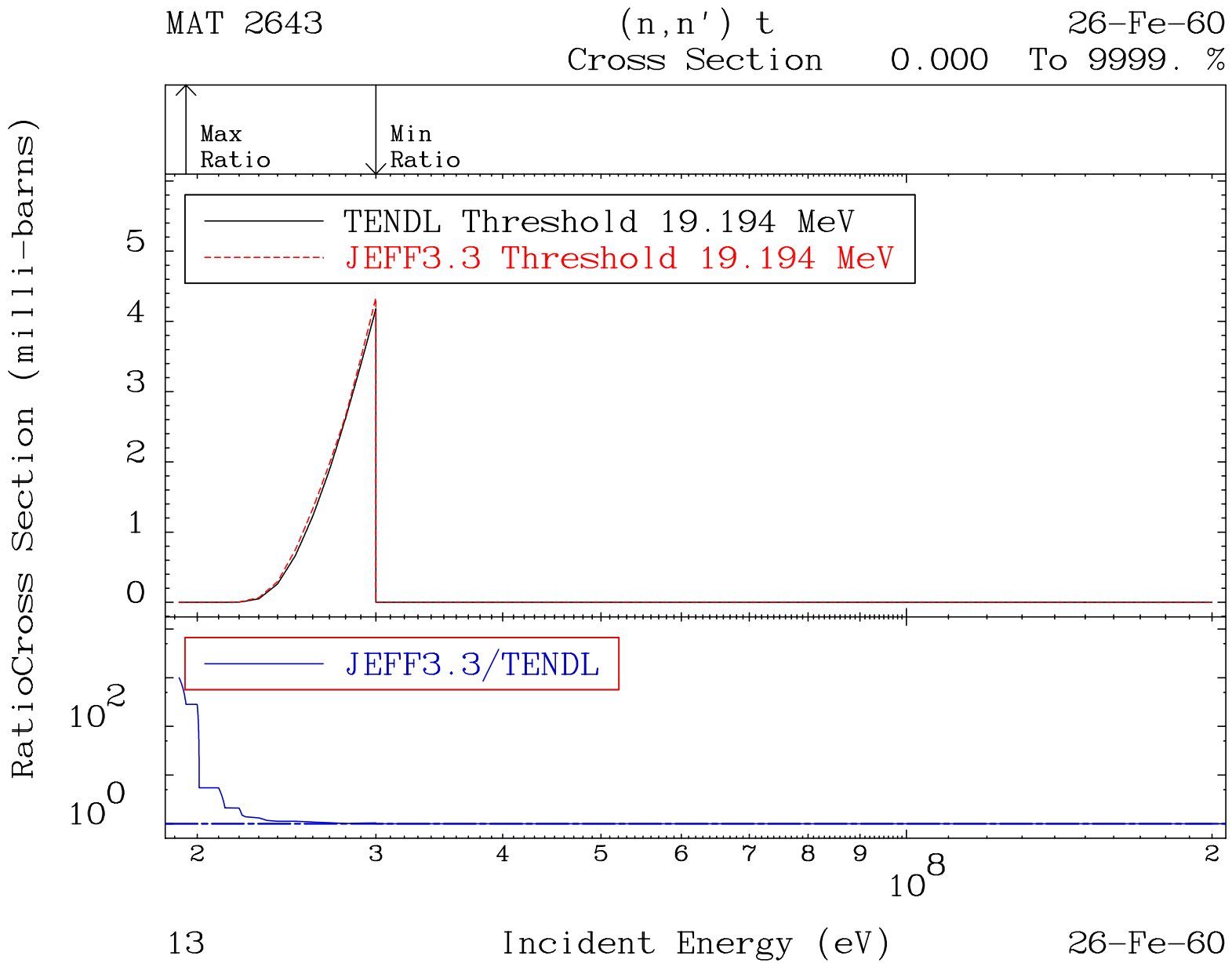

MAT 2643
(n,2n) α
Cross Section
26-Fe-60
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 17.082 MeV
JEFF3.3 Threshold 17.082 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
26-Fe-60

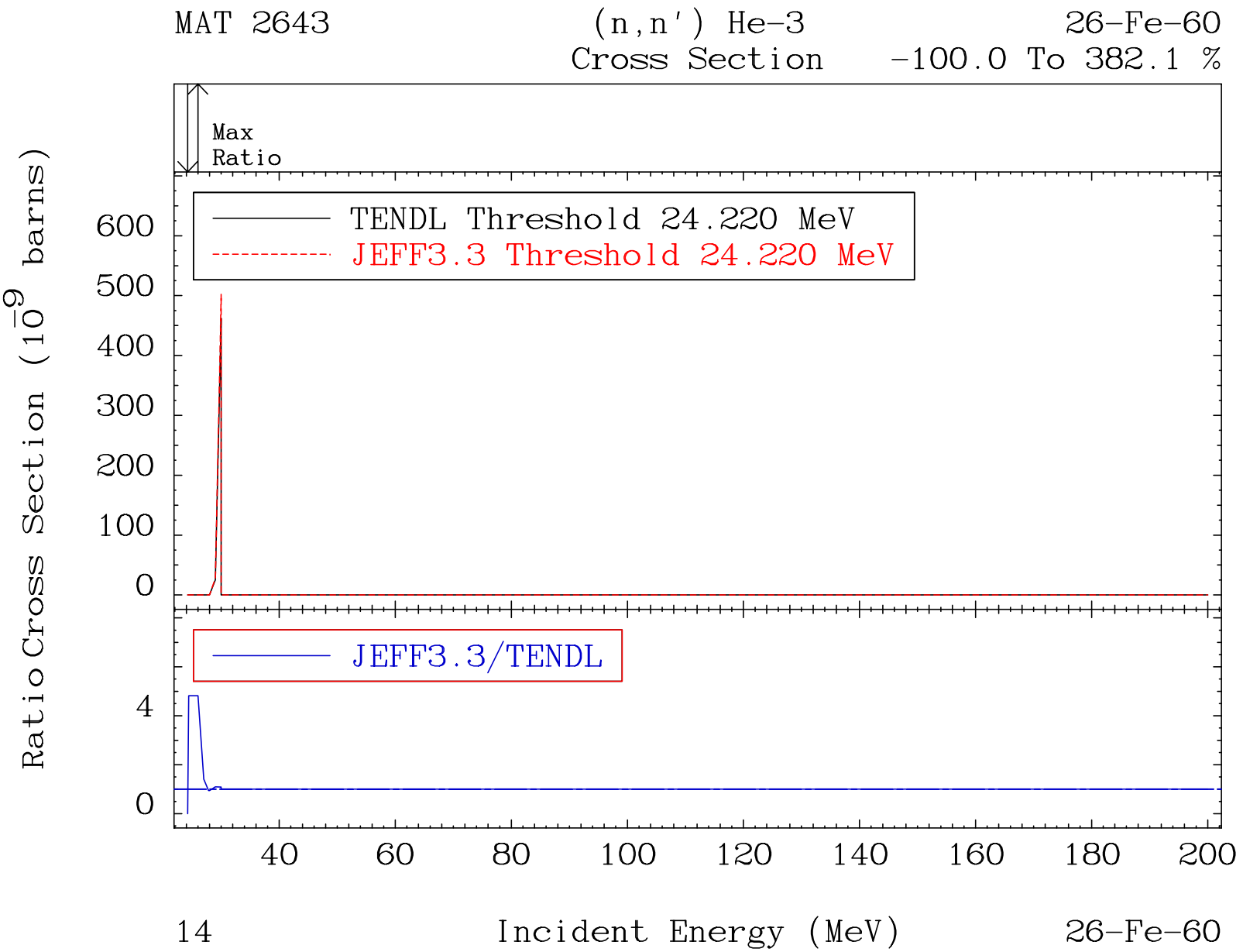

MAT 2643
(n,3n) α
26-Fe-60
Cross Section
-100.0 To 1270. %
Max
Ratio
TENDL Threshold 23.433 MeV
JEFF3.3 Threshold 23.433 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.5
1.0
0.5
0.0
20
10
0
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
26-Fe-60

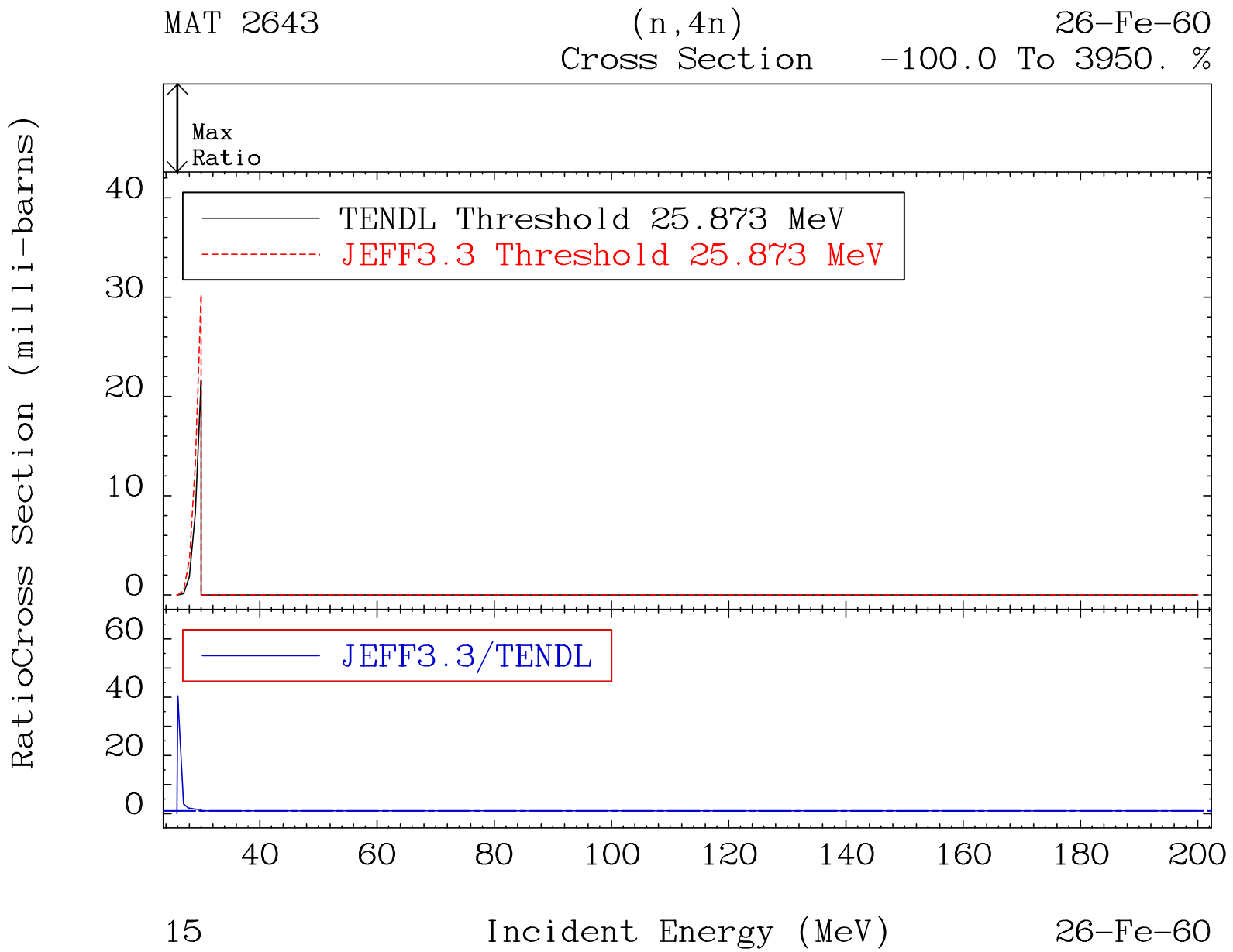

MAT 2643
(n,n') p
Cross Section
26-Fe-60
-9.065 To 116.1 %
Max Ratio
Min Ratio
TENDL Threshold 13.399 MeV
JEFF3.3 Threshold 13.399 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
26-Fe-60

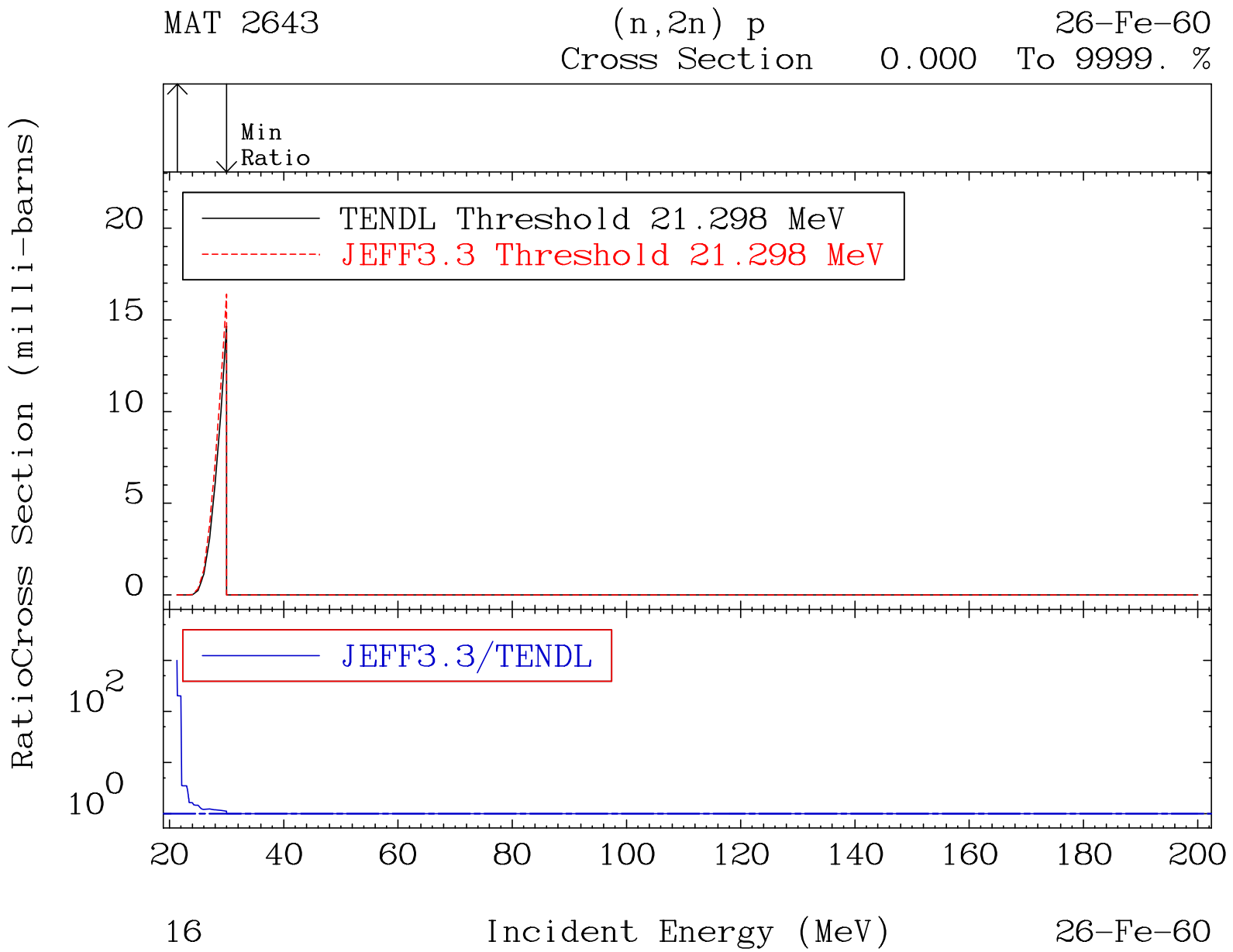

MAT 2643
(n,n') 2α
Cross Section
26-Fe-60
-100.0 To 1894. %
Min Ratio
Max Ratio
TENDL Threshold 17.068 MeV
JEFF3.3 Threshold 17.076 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
0
2
4
6
0
10
20
30
2
3
4
5
6
7
8
9
2
10^8
11
Incident Energy (eV)
26-Fe-60

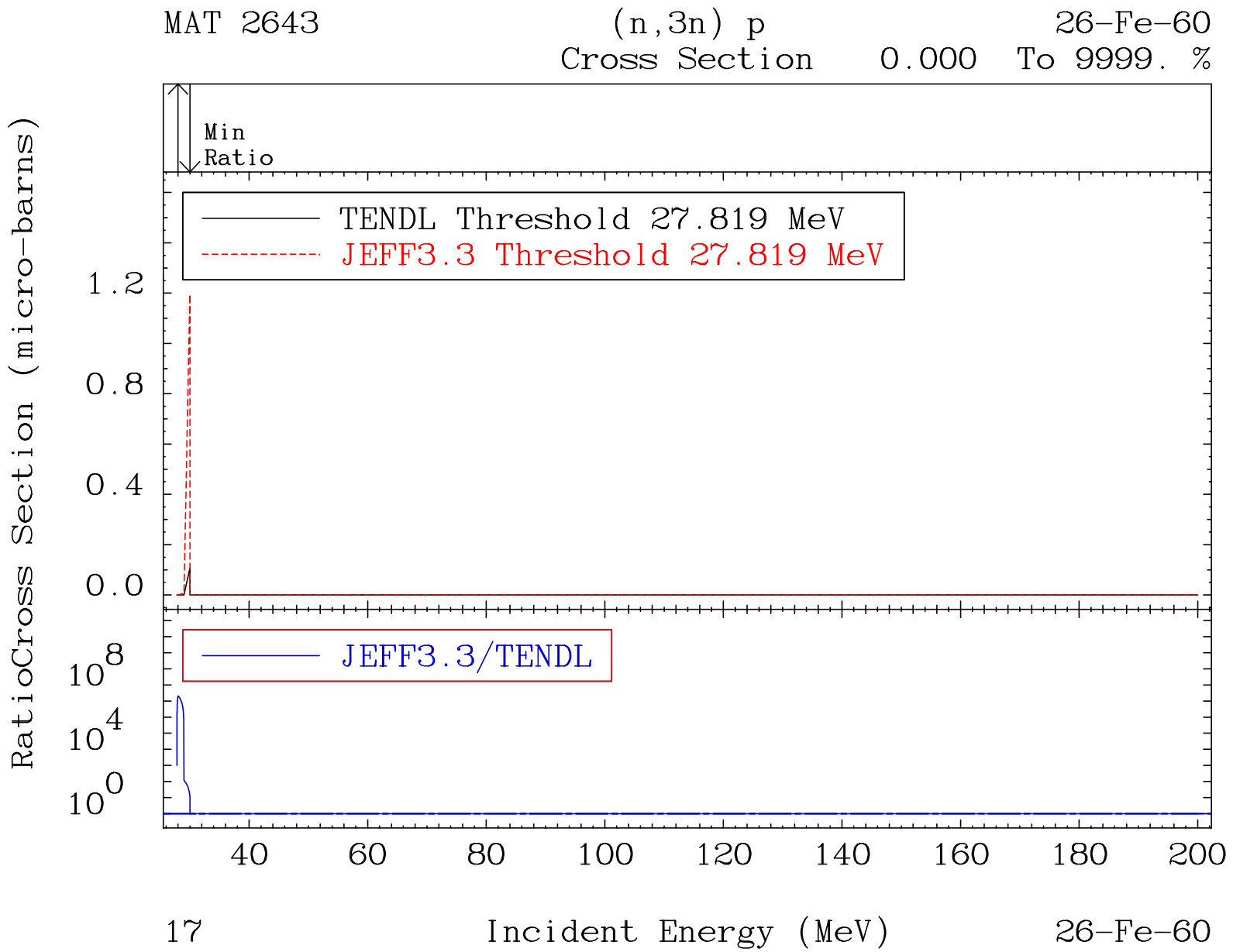

MAT 2643
(n,n') d
Cross Section
26-Fe-60
-3.690 To 686.8 %
Max Ratio
Min Ratio
TENDL Threshold 19.036 MeV
JEFF3.3 Threshold 19.036 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
8
4
2
3
4
5
6
7
8
9
2
10^8
12
Incident Energy (eV)
26-Fe-60

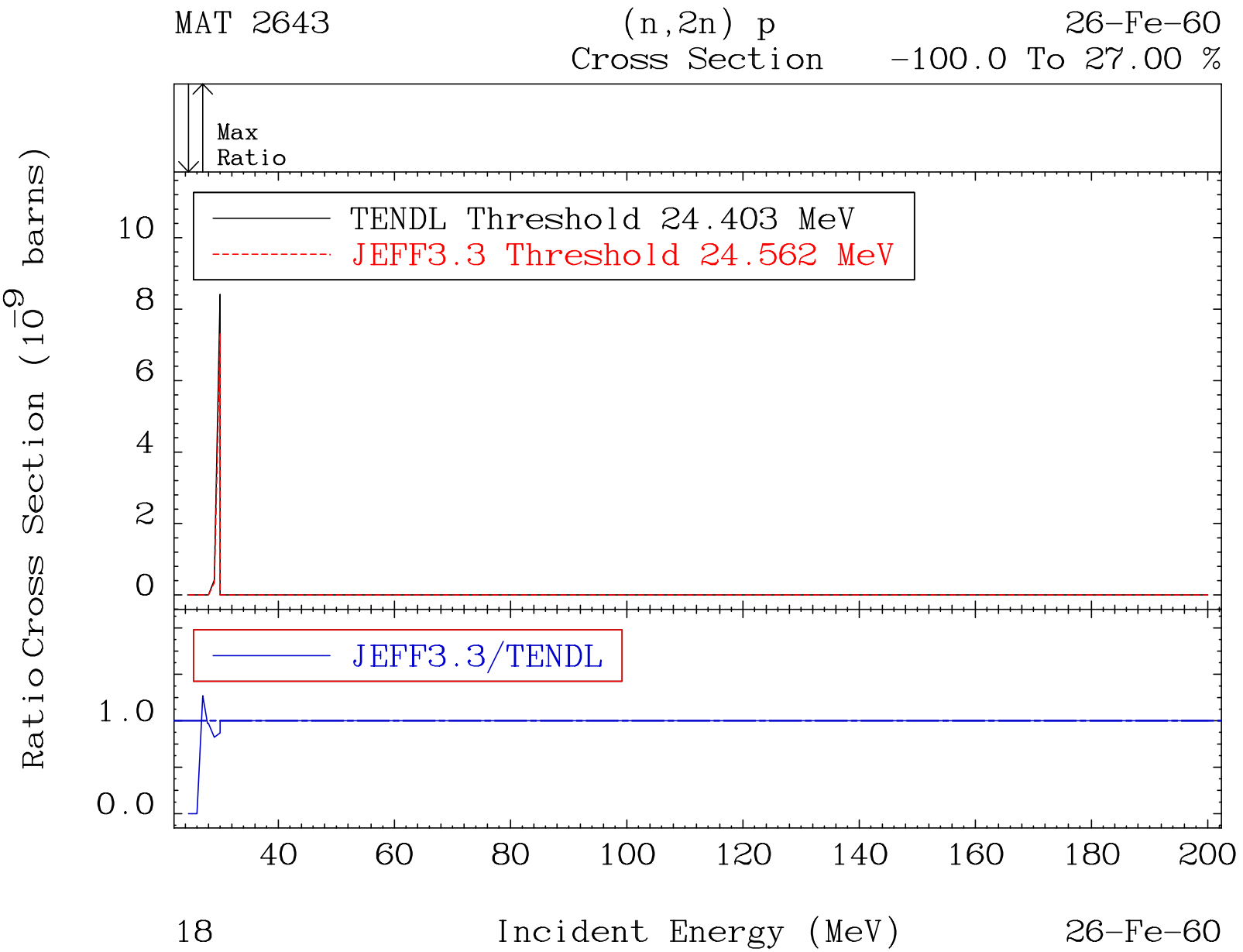

MAT 2643
(n,n') t
26-Fe-60
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 19.194 MeV
JEFF3.3 Threshold 19.194 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
$10^0$
$10^2$
2
3
4
5
6
7
8
9
$10^8$
2
13
Incident Energy (eV)
26-Fe-60

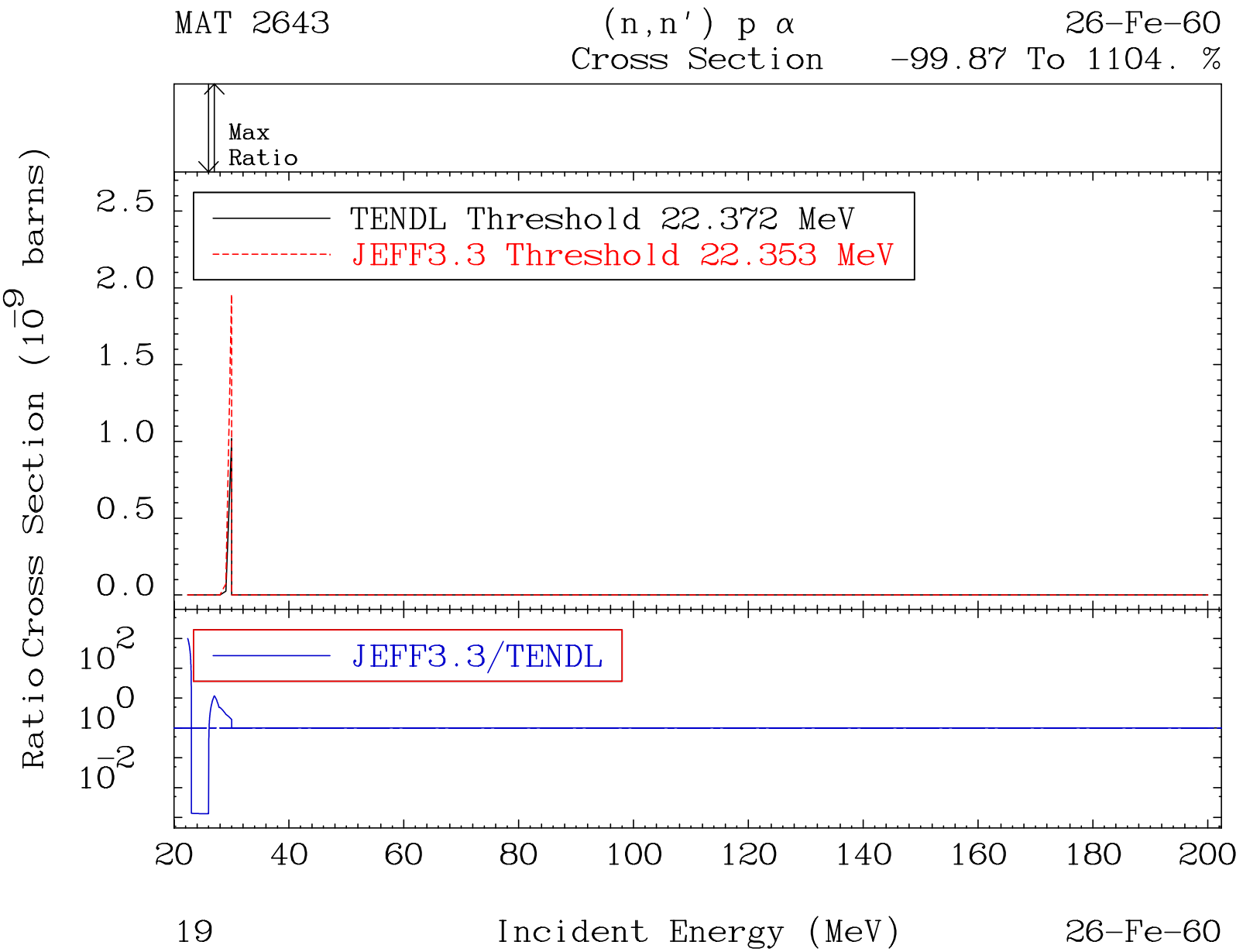

MAT 2643
(n,n') He-3
Cross Section
26-Fe-60
-100.0 To 382.1 %
Max
Ratio
TENDL Threshold 24.220 MeV
JEFF3.3 Threshold 24.220 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
600
500
400
300
200
100
0
4
0
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
26-Fe-60

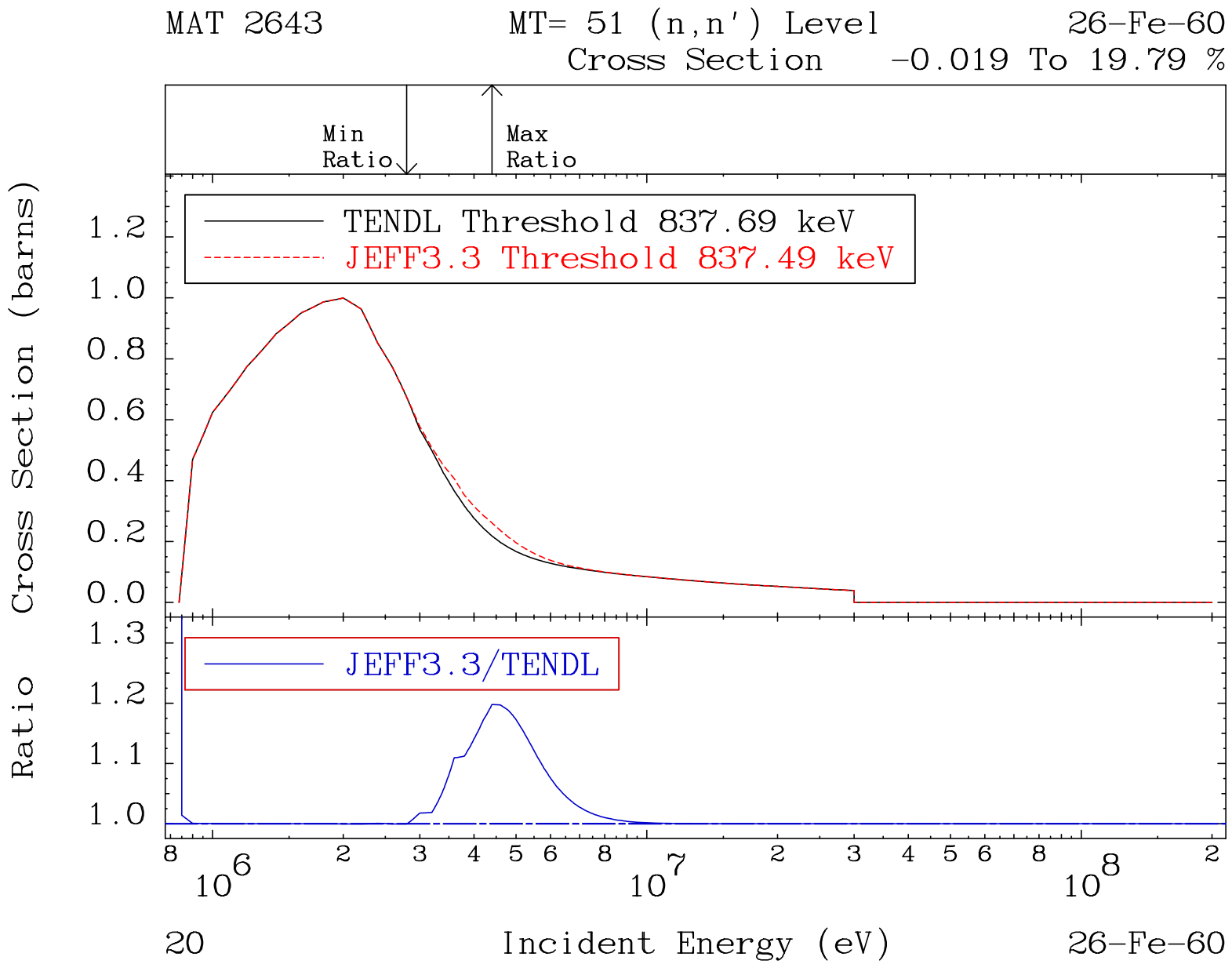

MAT 2643
(n,4n)
Cross Section
26-Fe-60
-100.0 To 3950. %
Max
Ratio
TENDL Threshold 25.873 MeV
JEFF3.3 Threshold 25.873 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
15
26-Fe-60

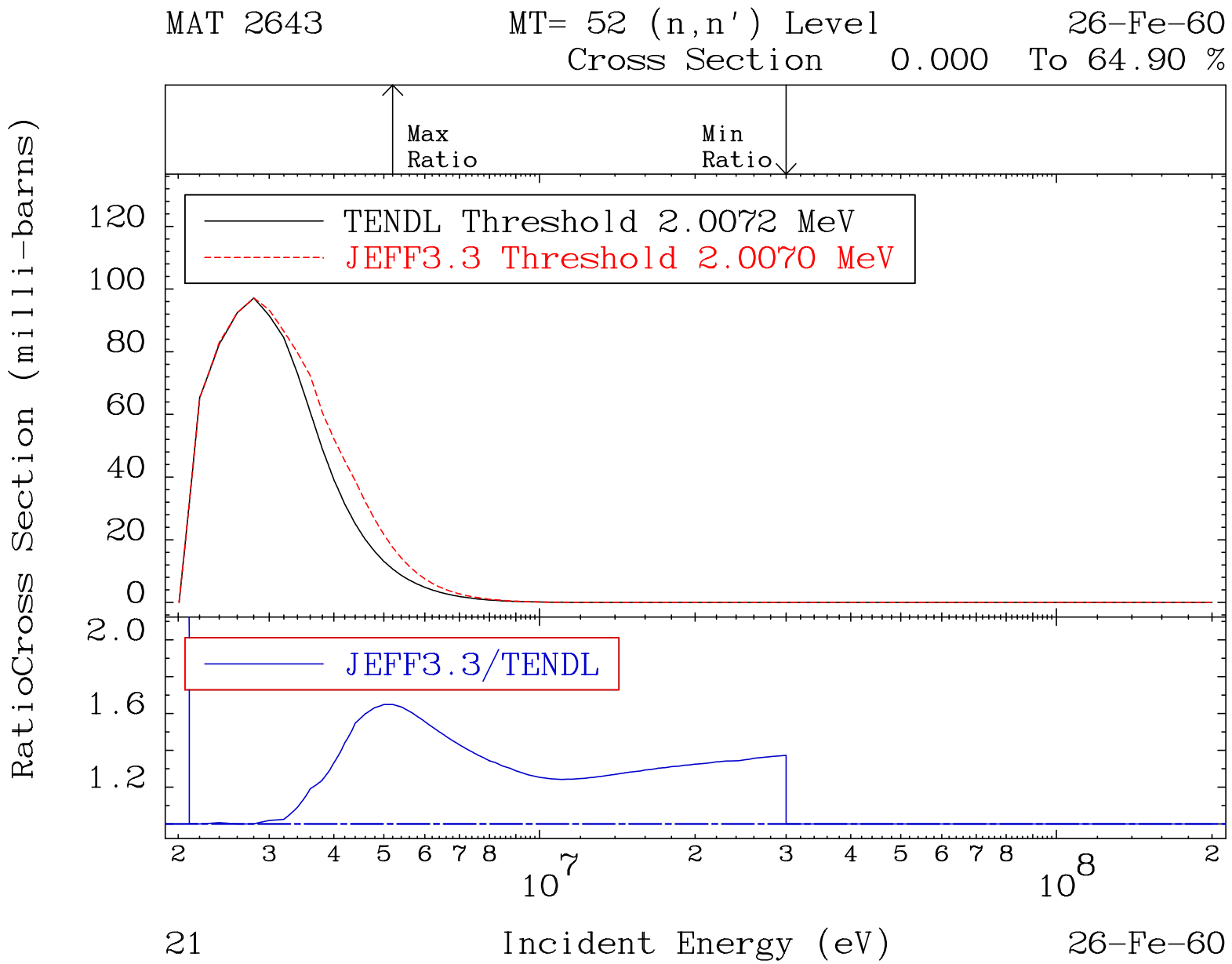

MAT 2643
(n,2n) p
26-Fe-60
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 21.298 MeV
JEFF3.3 Threshold 21.298 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
$10^2$
$10^0$
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
26-Fe-60

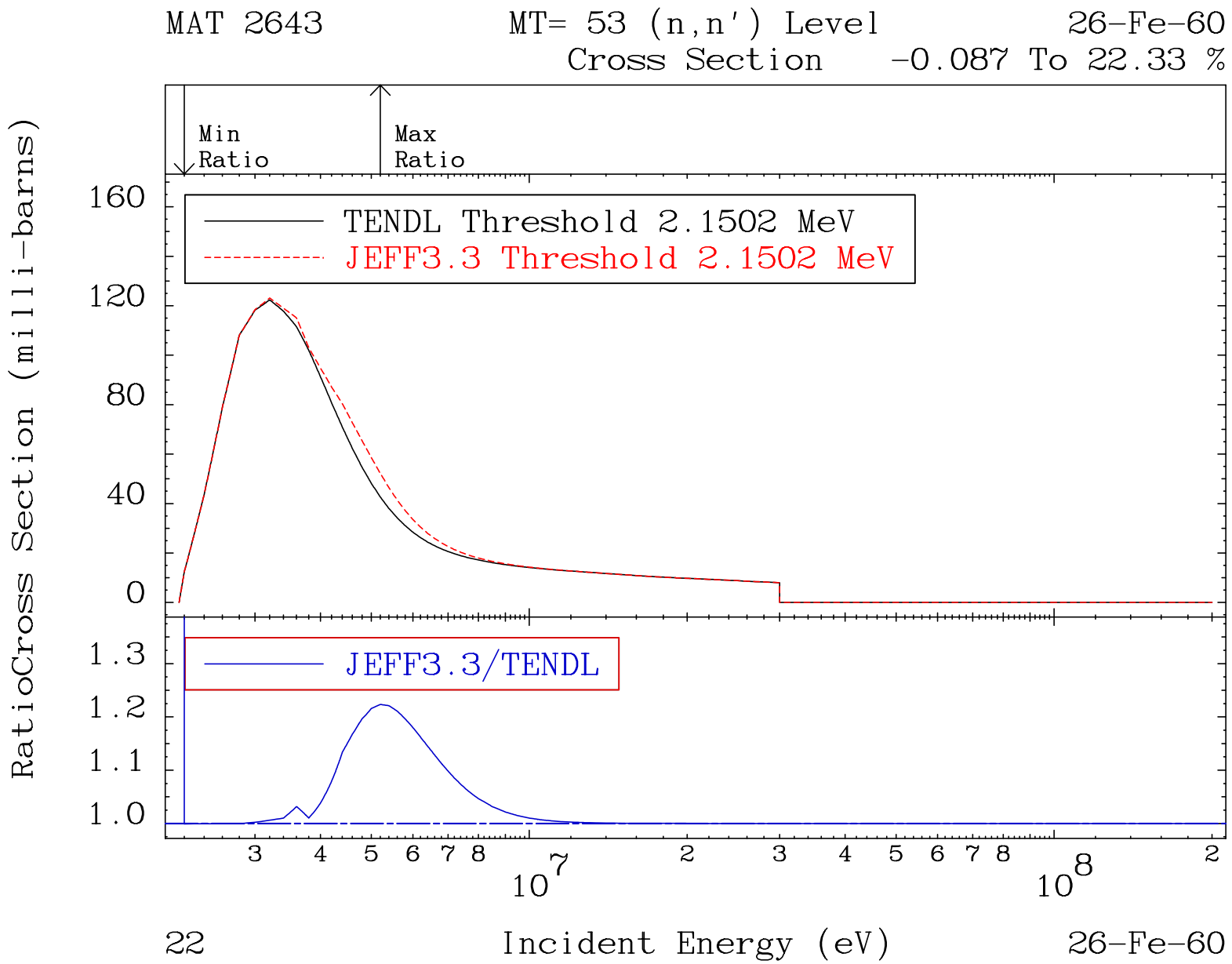

MAT 2643
(n,3n) p
26-Fe-60
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 27.819 MeV
JEFF3.3 Threshold 27.819 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.2
0.8
0.4
0.0
10^8
10^4
10^0
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
26-Fe-60

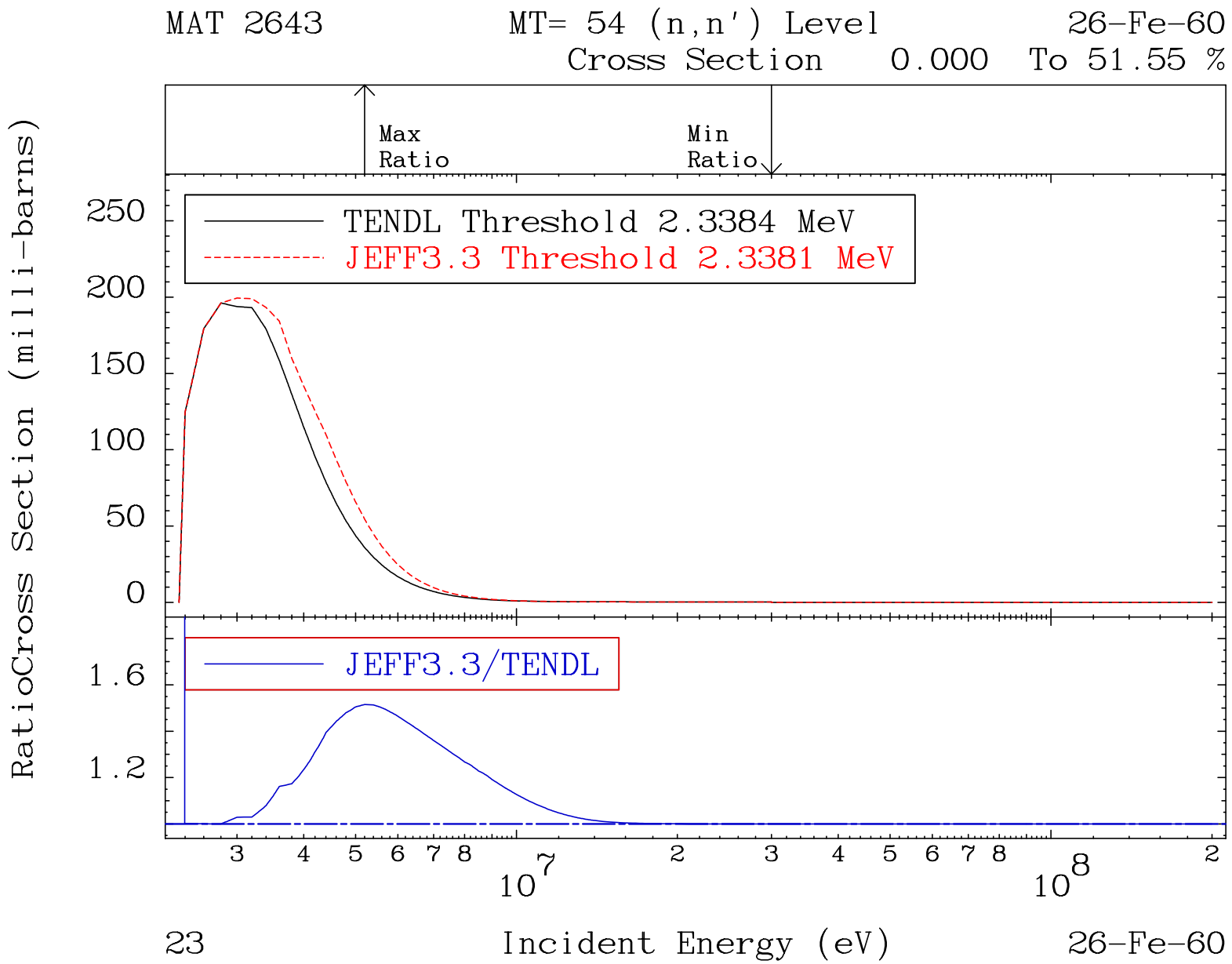

MAT 2643
(n,2n) p
Cross Section
26-Fe-60
-100.0 To 27.00 %
Max
Ratio
TENDL Threshold 24.403 MeV
JEFF3.3 Threshold 24.562 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
10
8
6
4
2
0
1.0
0.0
40
60
80
100
120
140
160
180
200
18
Incident Energy (MeV)
26-Fe-60

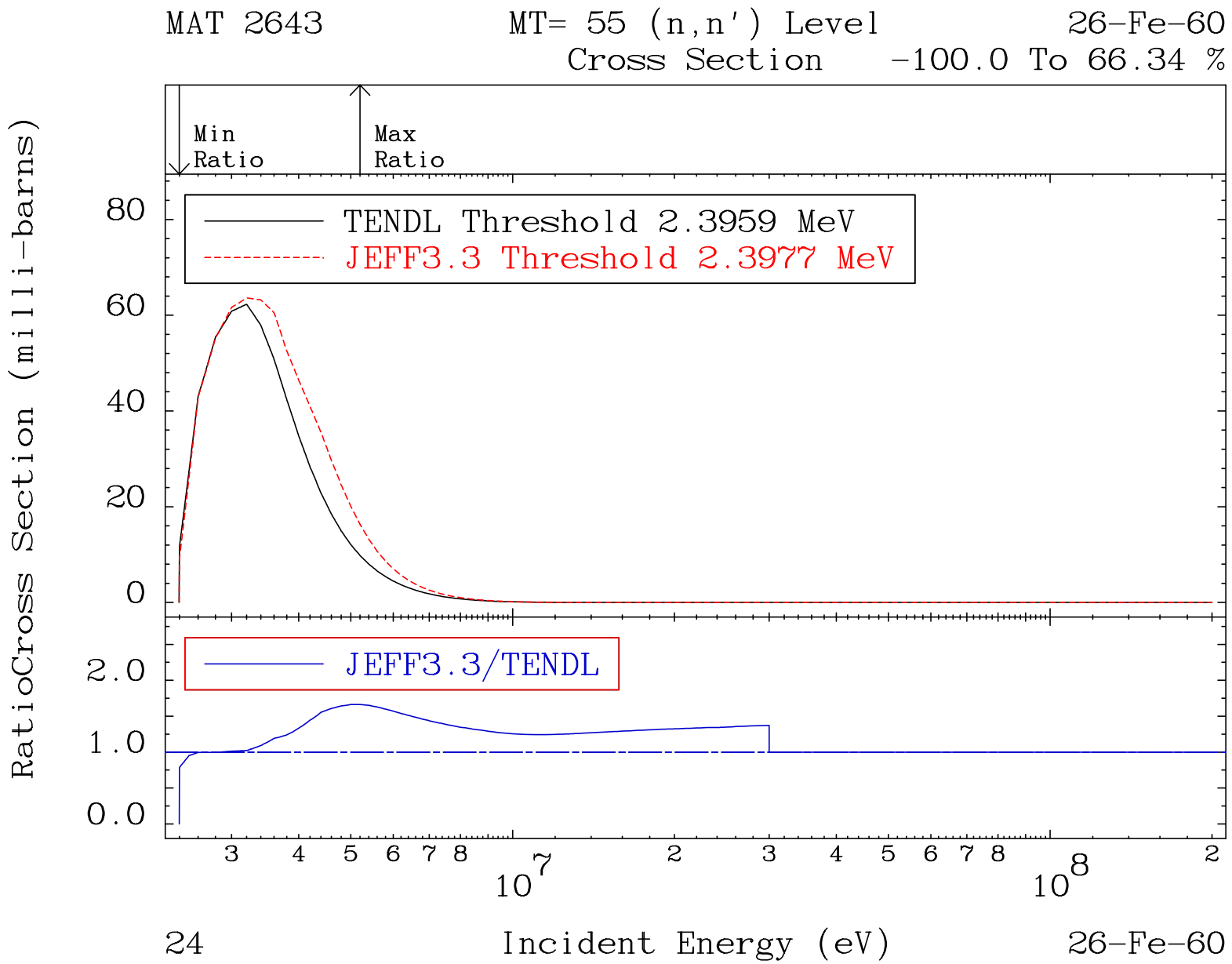

MAT 2643
(n,n') p α
Cross Section
26-Fe-60
-99.87 To 1104. %
Max
Ratio
TENDL Threshold 22.372 MeV
JEFF3.3 Threshold 22.353 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
2.5
2.0
1.5
1.0
0.5
0.0
10^2
10^0
10^-2
20
40
60
80
100
120
140
160
180
200
19
Incident Energy (MeV)
26-Fe-60

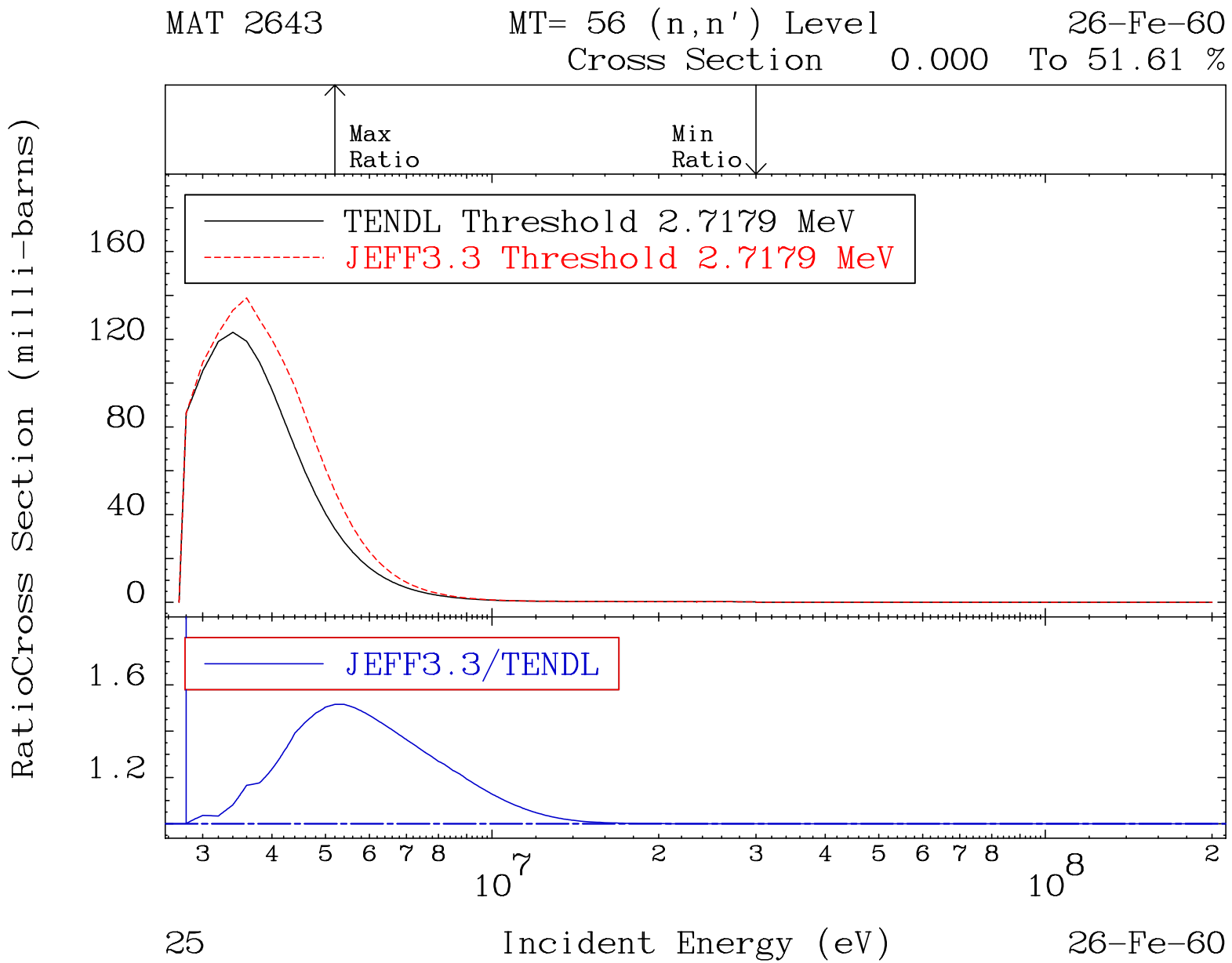

MAT 2643
MT= 51 (n,n') Level
26-Fe-60
Cross Section -0.019 To 19.79 %
Min Ratio
Max Ratio
TENDL Threshold 837.69 keV
JEFF3.3 Threshold 837.49 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
20
26-Fe-60

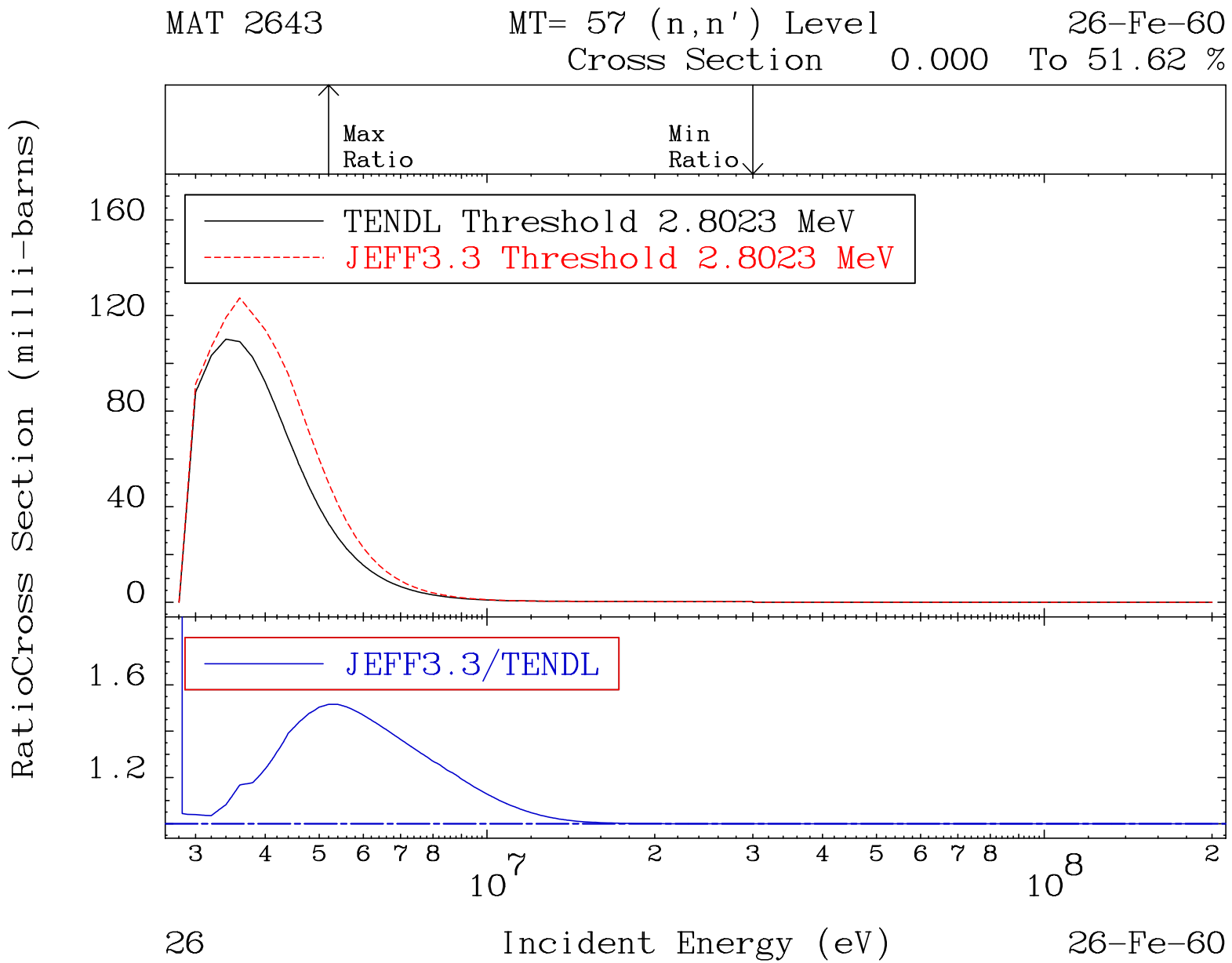

MAT 2643
MT= 52 (n,n') Level
26-Fe-60
Cross Section 0.000 To 64.90 %
Max Ratio
Min Ratio
TENDL Threshold 2.0072 MeV
JEFF3.3 Threshold 2.0070 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.6
1.2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
26-Fe-60

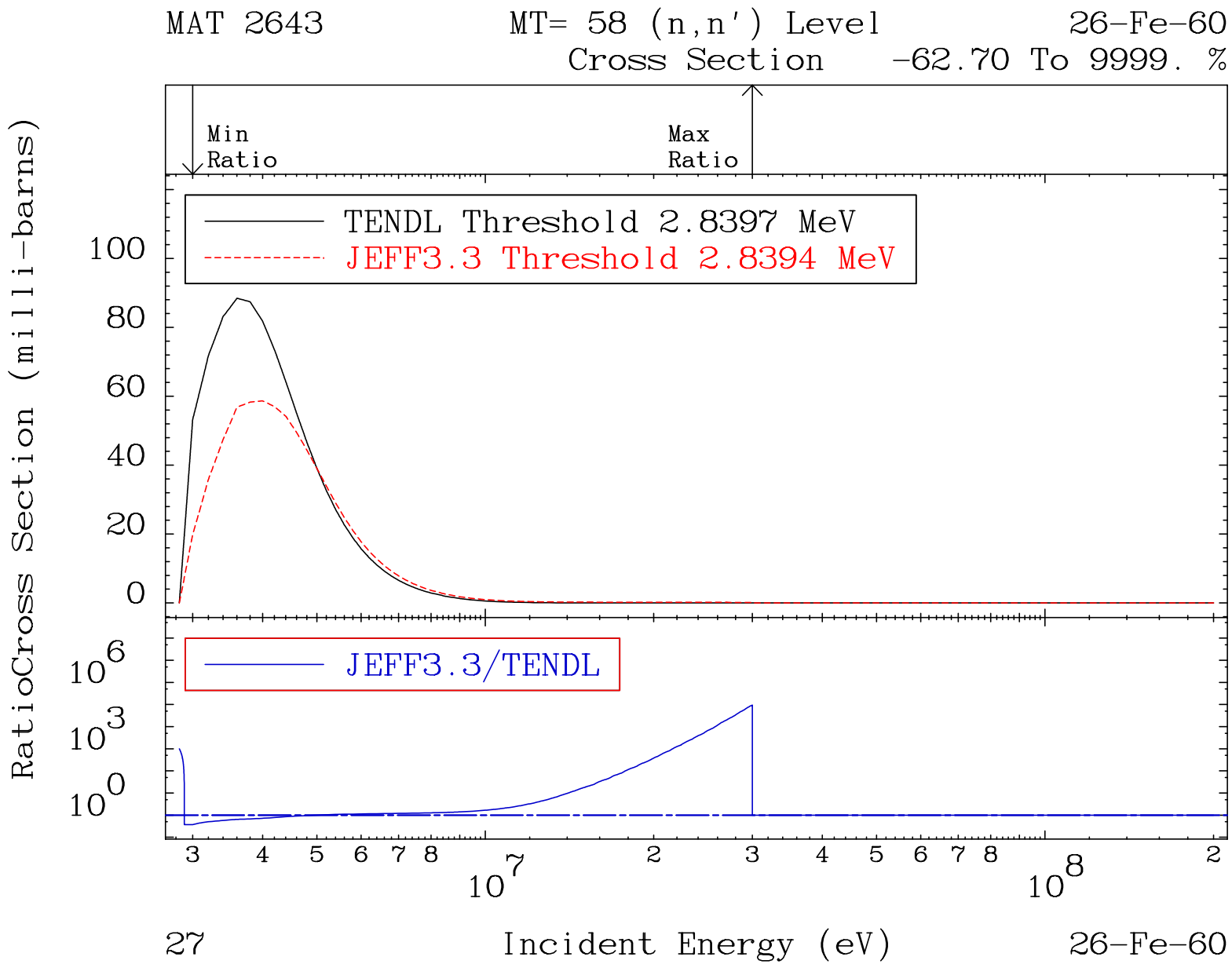

MAT 2643
MT= 53 (n,n') Level
26-Fe-60
Cross Section
-0.087 To 22.33 %
Min Ratio
Max Ratio
TENDL Threshold 2.1502 MeV
JEFF3.3 Threshold 2.1502 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.3
1.2
1.1
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
26-Fe-60

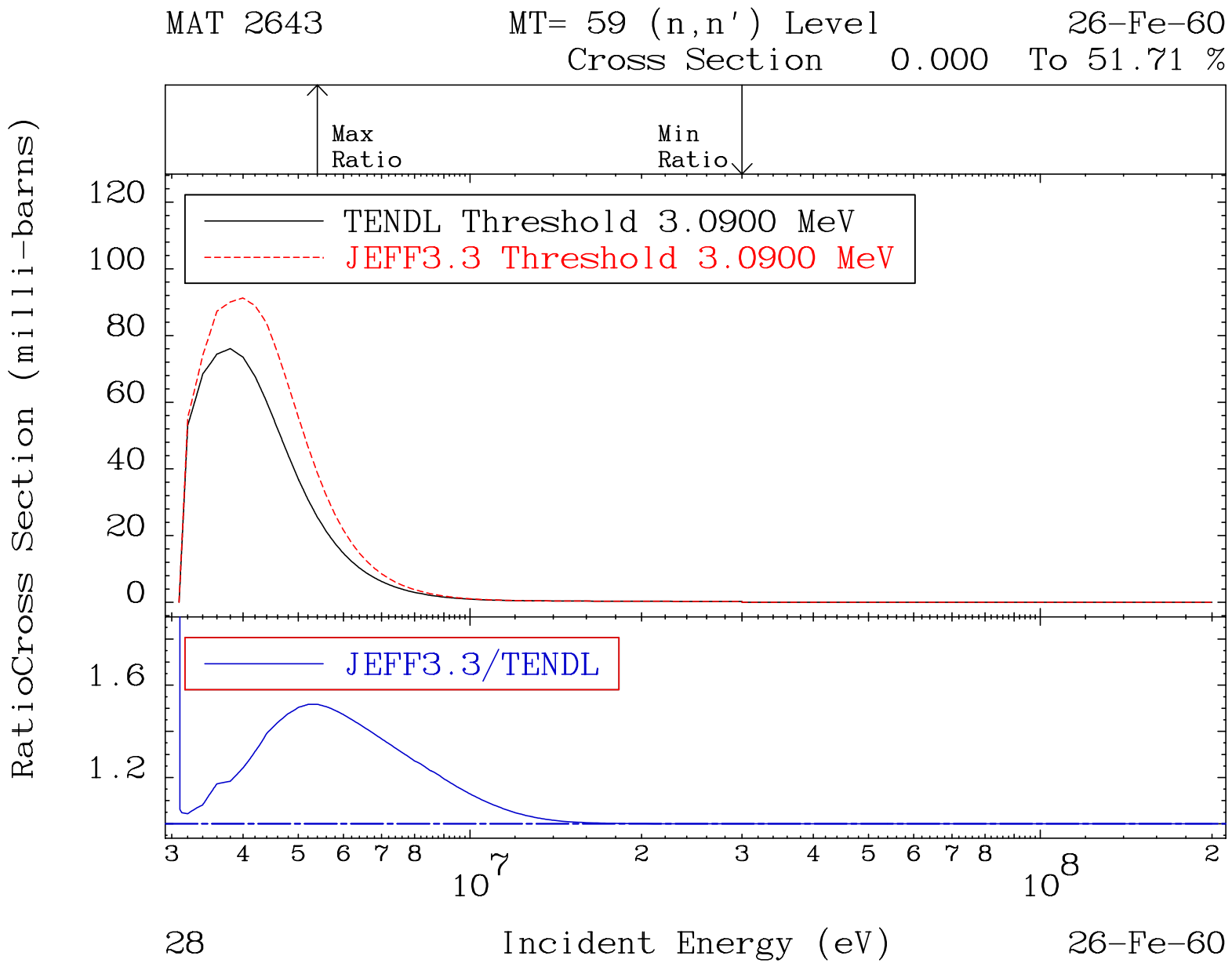

MAT 2643
MT= 54 (n,n') Level
26-Fe-60
Cross Section 0.000 To 51.55 %
Max Ratio
Min Ratio
TENDL Threshold 2.3384 MeV
JEFF3.3 Threshold 2.3381 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.6
1.2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
26-Fe-60

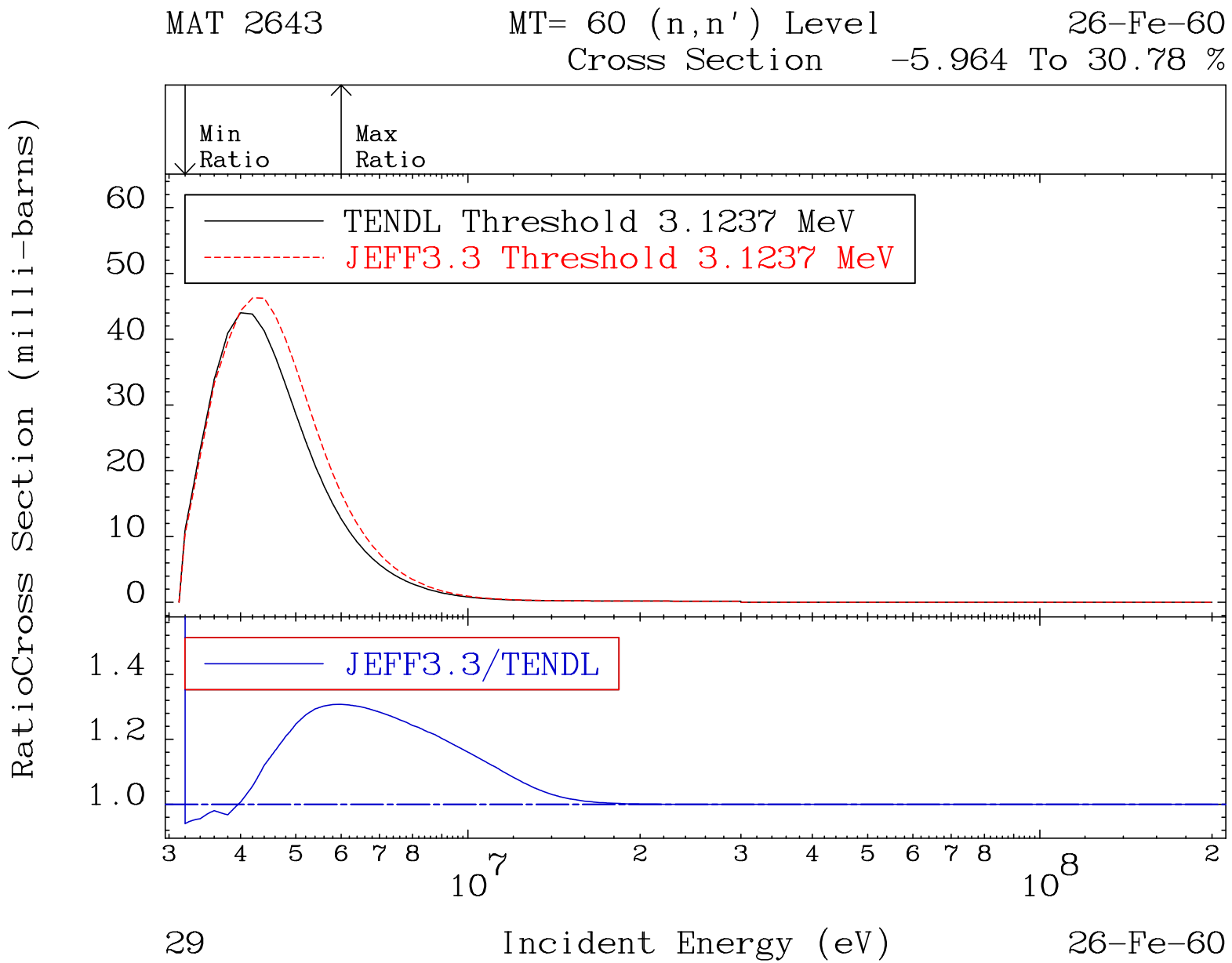

MAT 2643
MT= 55 (n,n') Level
26-Fe-60
Cross Section -100.0 To 66.34 %
Min Ratio
Max Ratio
TENDL Threshold 2.3959 MeV
JEFF3.3 Threshold 2.3977 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
26-Fe-60

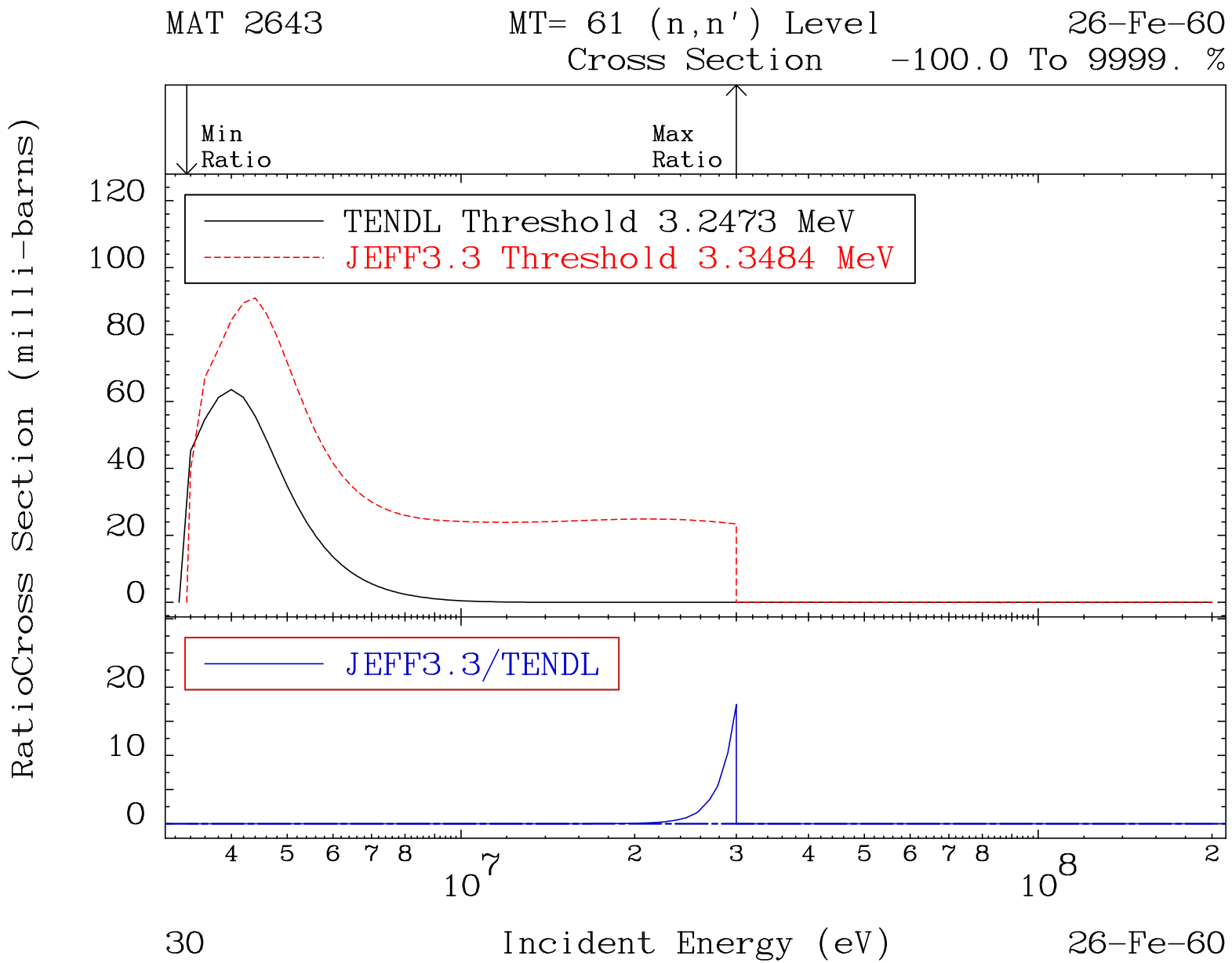

MAT 2643
MT= 56 (n,n') Level
26-Fe-60
Cross Section 0.000 To 51.61 %
Max Ratio
Min Ratio
TENDL Threshold 2.7179 MeV
JEFF3.3 Threshold 2.7179 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.6
1.2
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
26-Fe-60

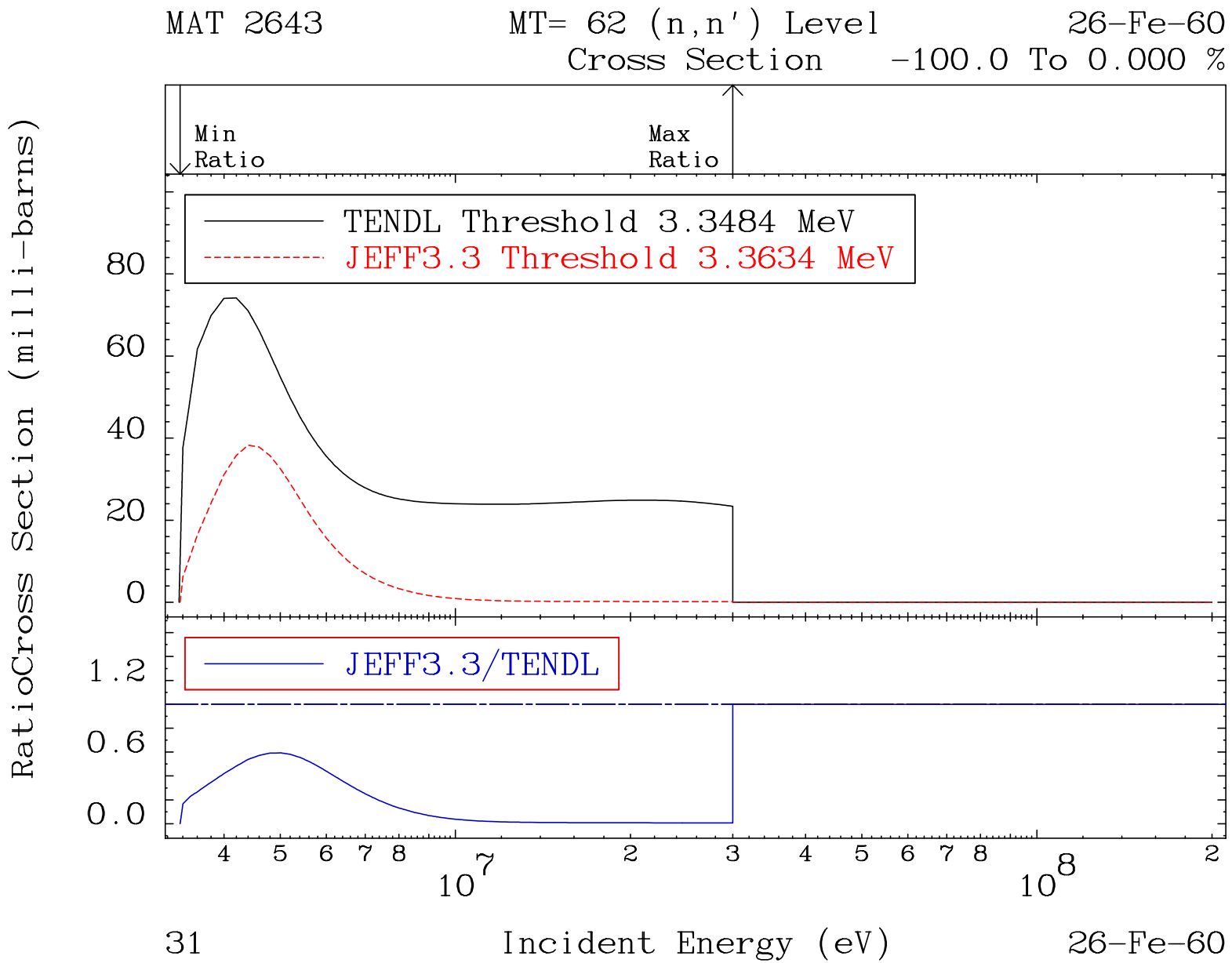

MAT 2643
MT= 57 (n,n') Level
26-Fe-60
Cross Section 0.000 To 51.62 %
Max Ratio
Min Ratio
TENDL Threshold 2.8023 MeV
JEFF3.3 Threshold 2.8023 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.6
1.2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
26-Fe-60

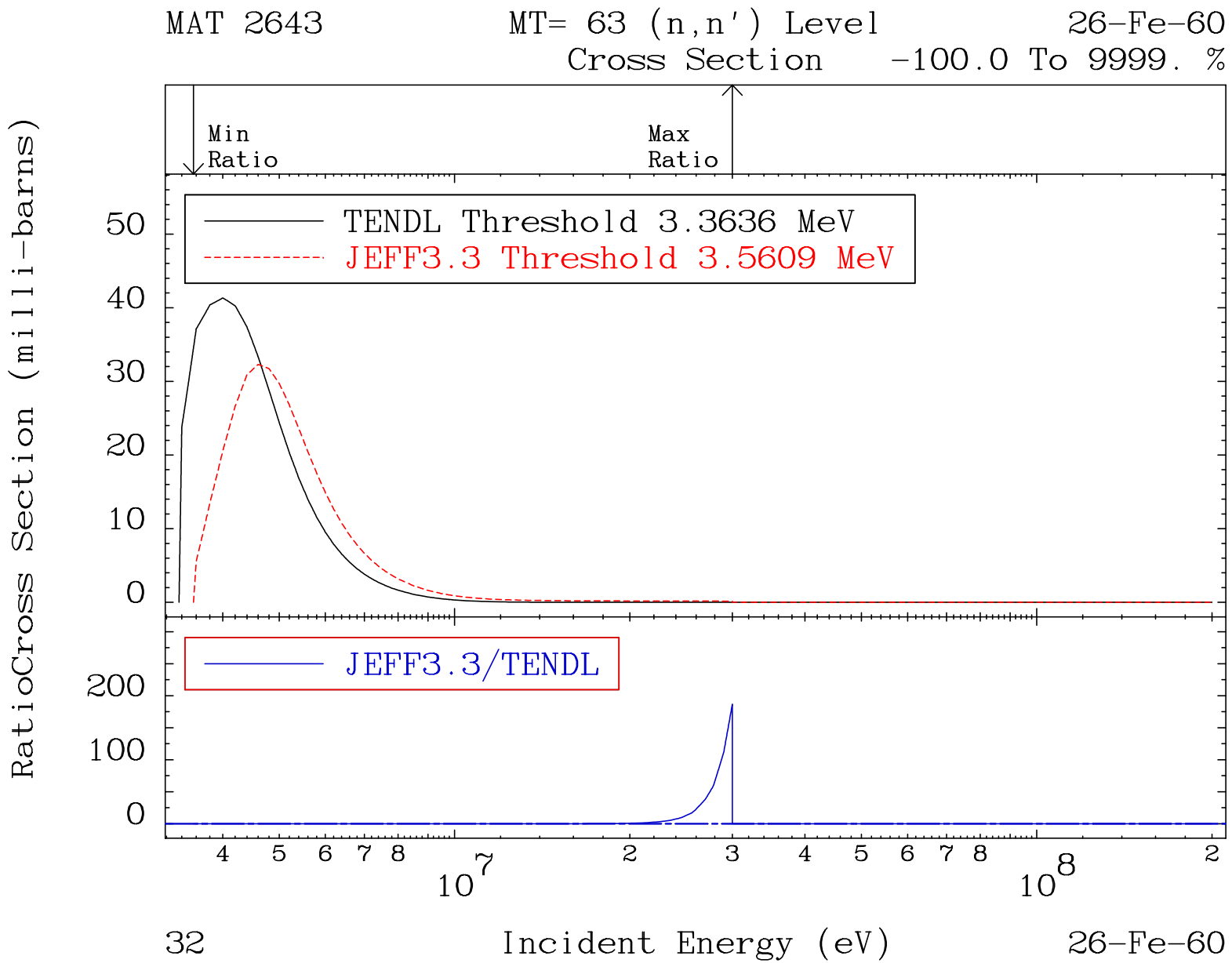

MAT 2643
MT= 58 (n,n') Level
26-Fe-60
Cross Section -62.70 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8397 MeV
JEFF3.3 Threshold 2.8394 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^6
10^3
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
26-Fe-60

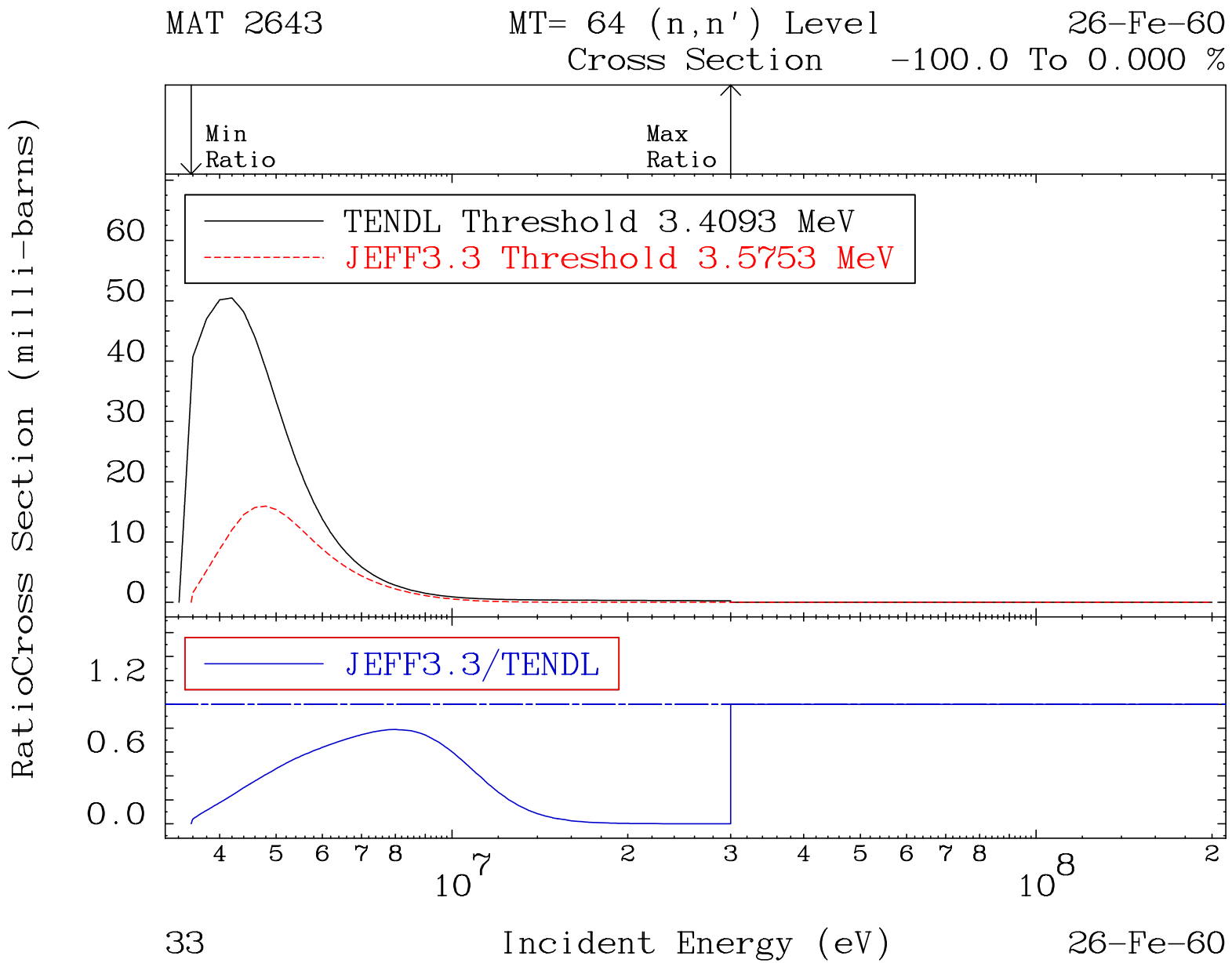

MAT 2643
MT= 59 (n,n') Level
26-Fe-60
Cross Section 0.000 To 51.71 %
Max Ratio
Min Ratio
TENDL Threshold 3.0900 MeV
JEFF3.3 Threshold 3.0900 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.6
1.2
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
26-Fe-60

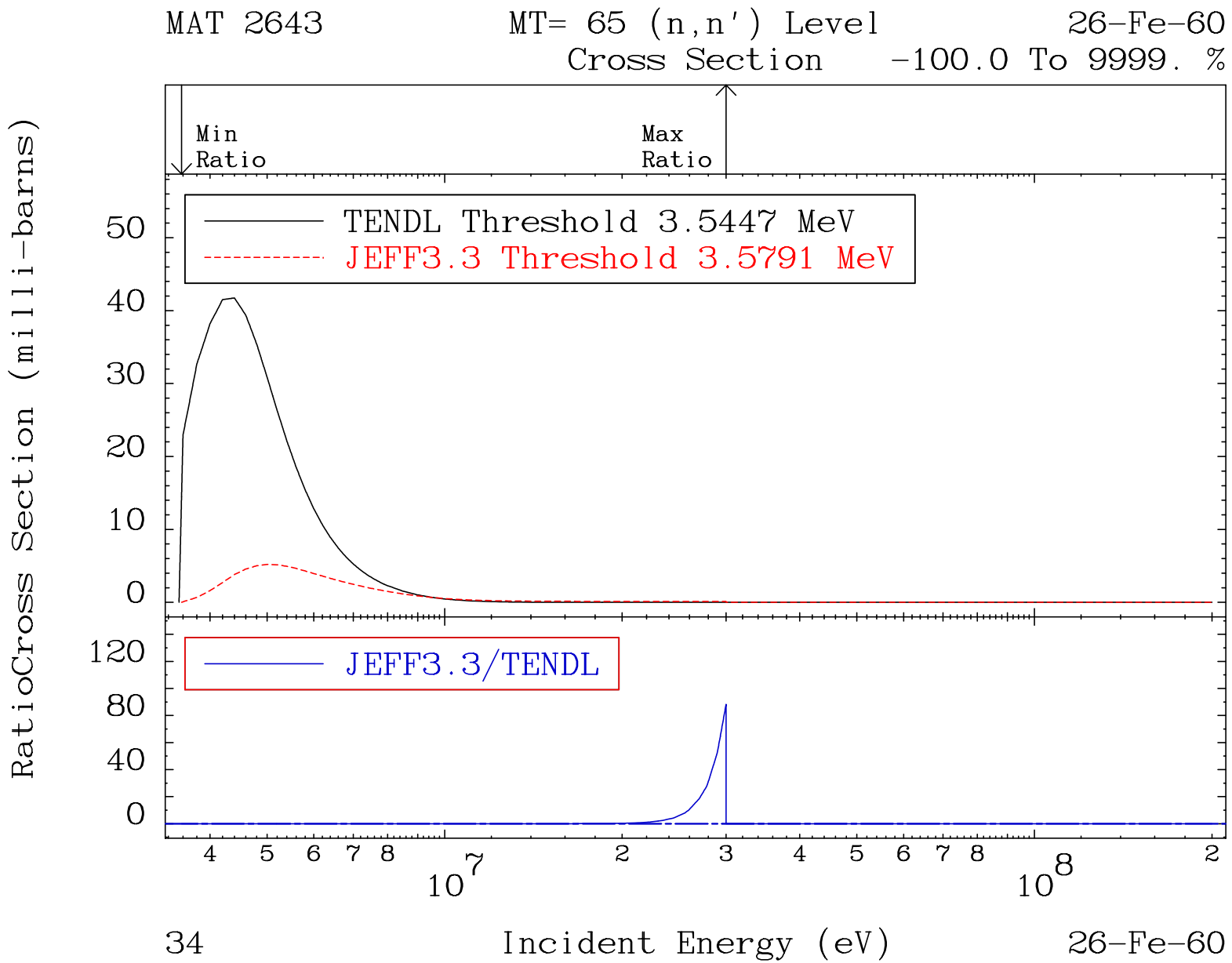

MAT 2643
MT= 60 (n,n') Level
26-Fe-60
Cross Section -5.964 To 30.78 %
Min Ratio
Max Ratio
TENDL Threshold 3.1237 MeV
JEFF3.3 Threshold 3.1237 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.4
1.2
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
29
26-Fe-60

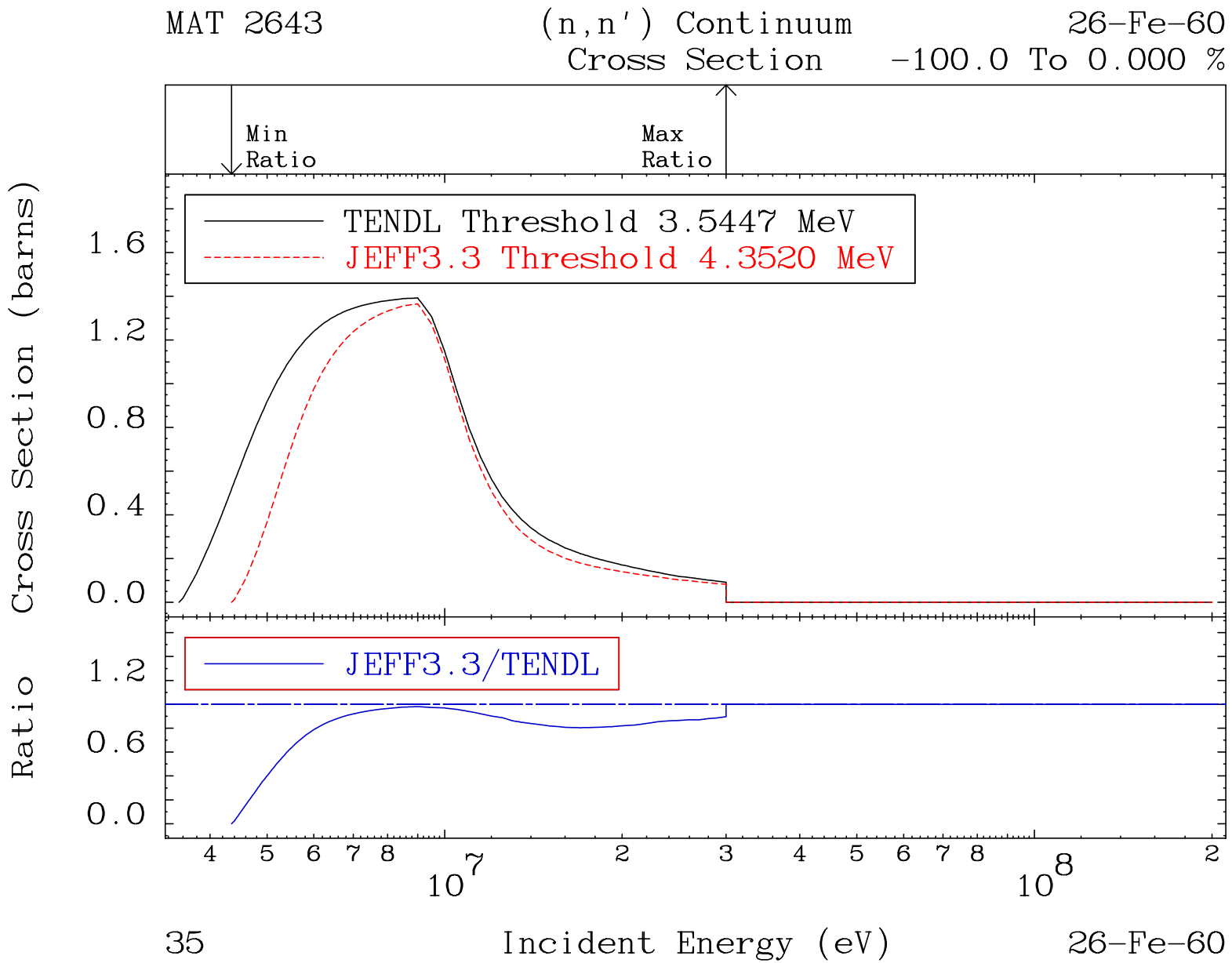

MAT 2643
MT= 61 (n,n') Level
26-Fe-60
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.2473 MeV
JEFF3.3 Threshold 3.3484 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
10
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
26-Fe-60

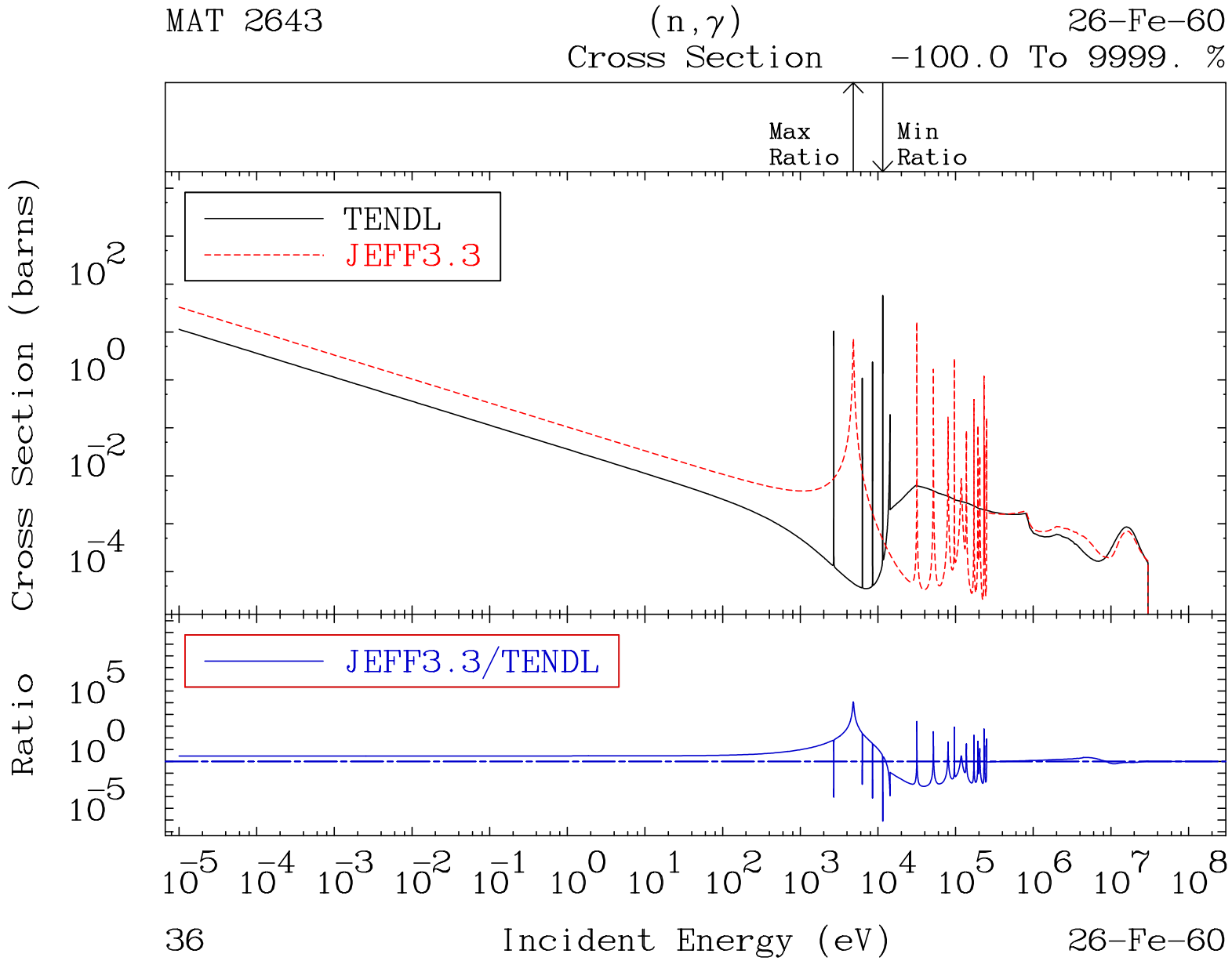

MAT 2643
MT= 62 (n,n') Level
26-Fe-60
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.3484 MeV
JEFF3.3 Threshold 3.3634 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
26-Fe-60

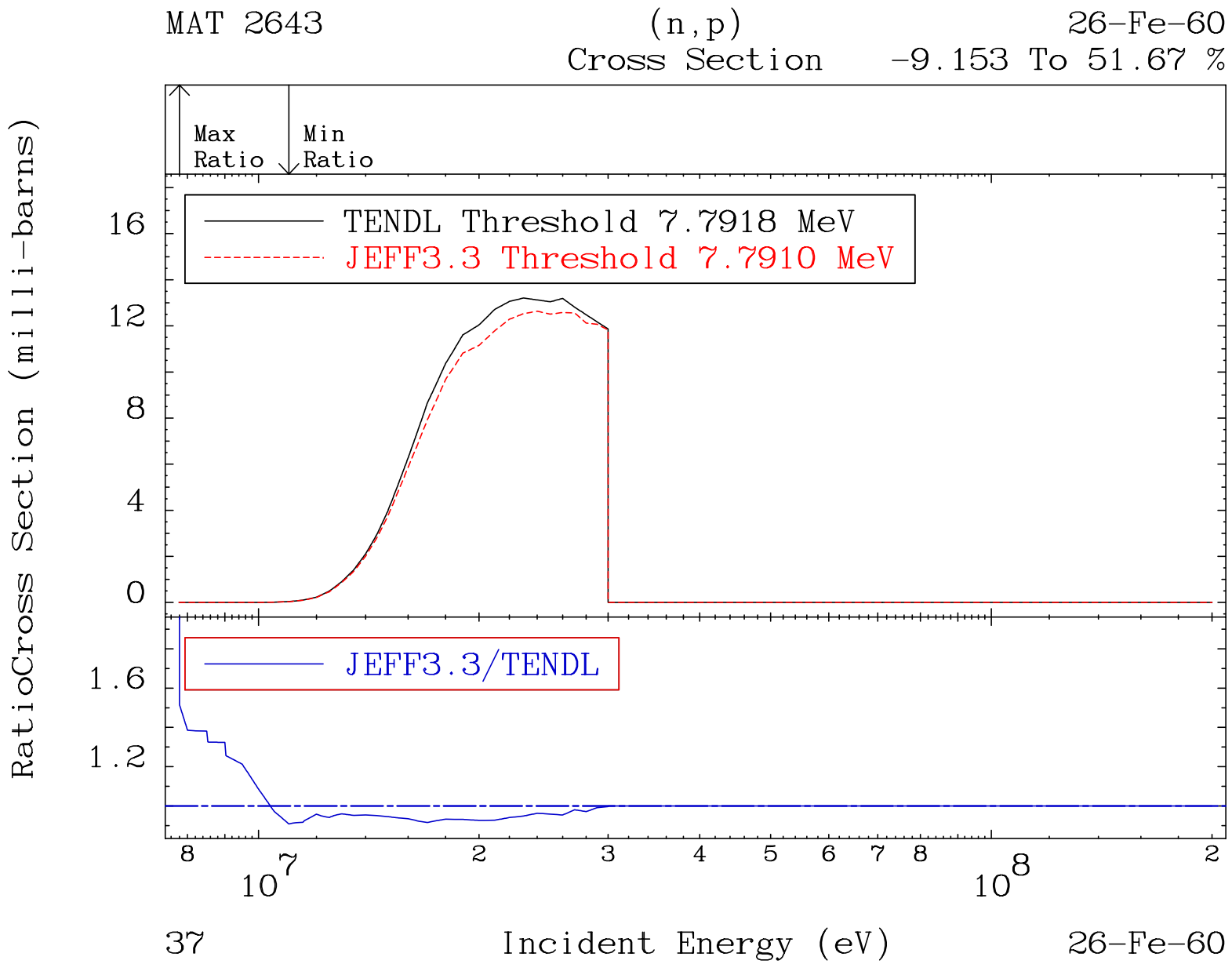

MAT 2643
MT= 63 (n,n') Level
26-Fe-60
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.3636 MeV
JEFF3.3 Threshold 3.5609 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
200
100
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
26-Fe-60

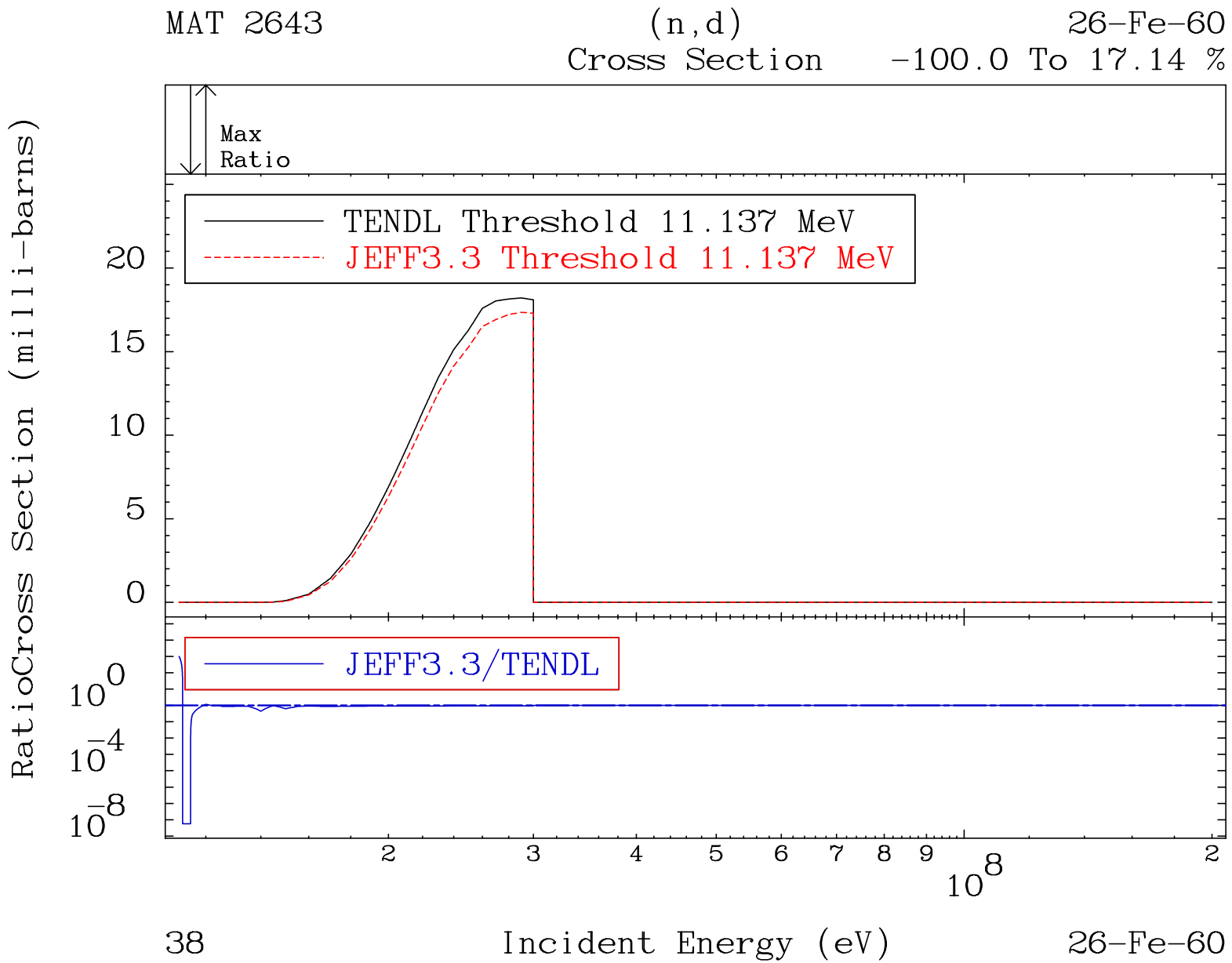

MAT 2643
MT= 64 (n,n') Level
26-Fe-60
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.4093 MeV
JEFF3.3 Threshold 3.5753 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
26-Fe-60

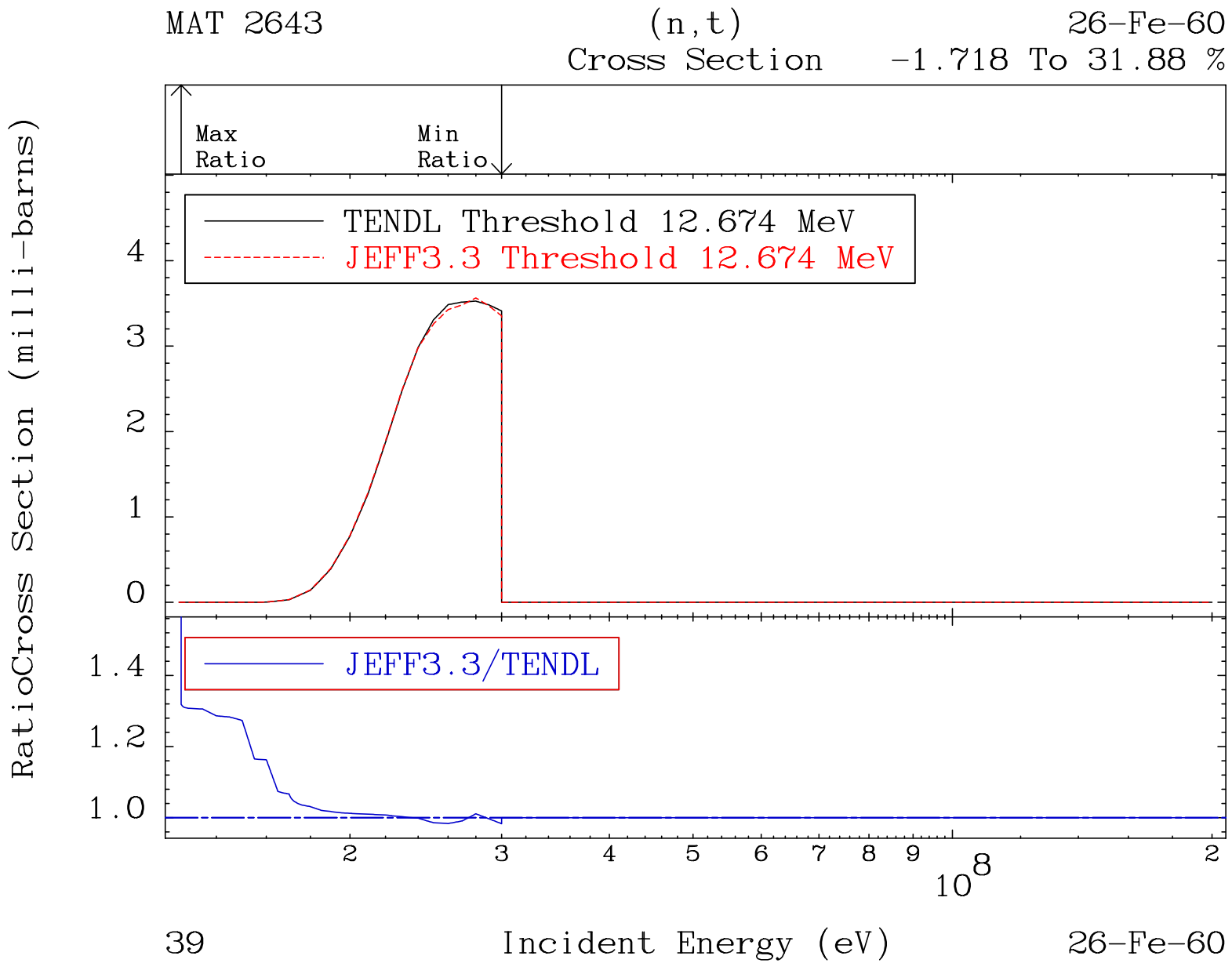

MAT 2643
MT= 65 (n,n') Level
26-Fe-60
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.5447 MeV
JEFF3.3 Threshold 3.5791 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
120
80
40
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
26-Fe-60

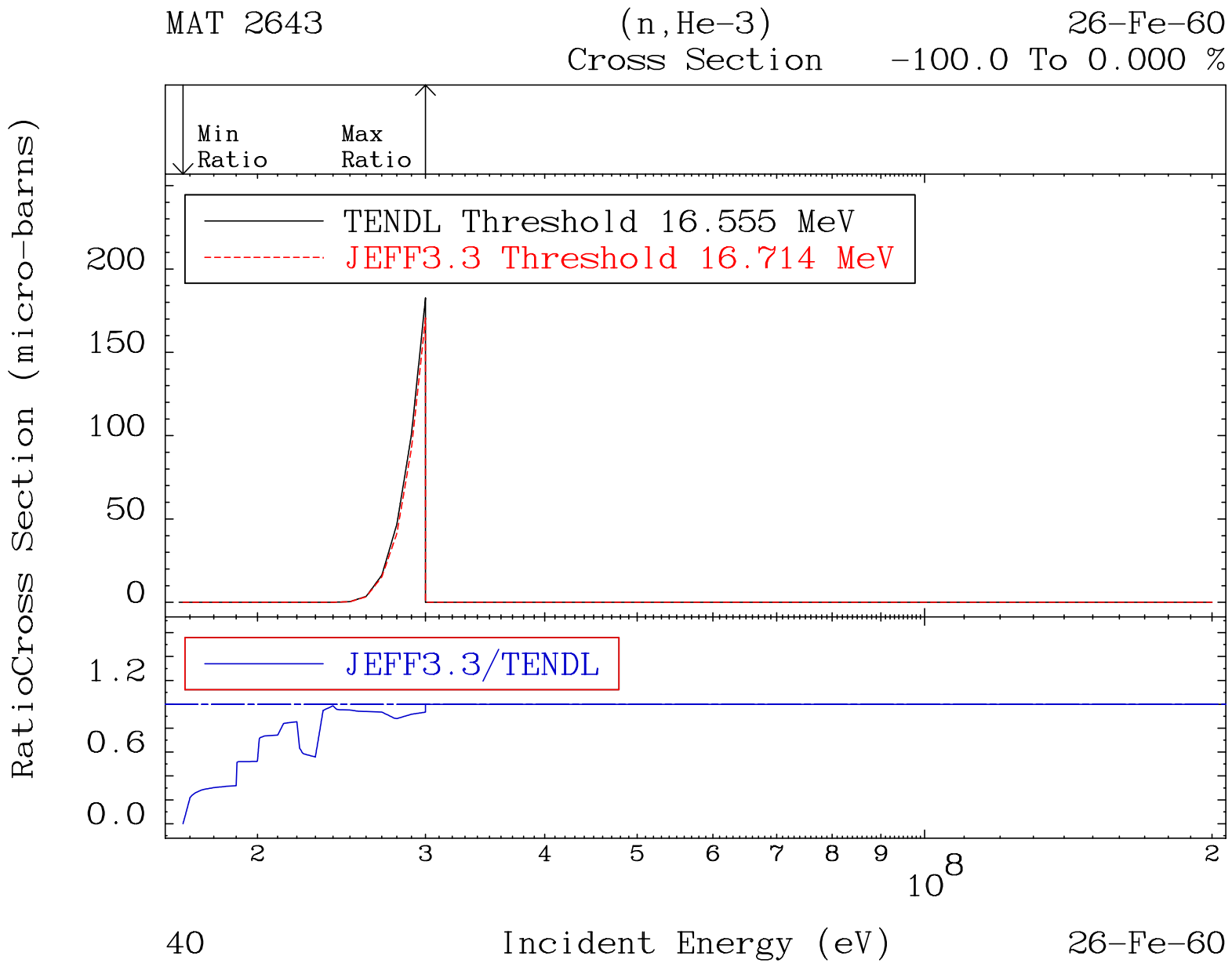

MAT 2643
(n,n') Continuum
Cross Section
26-Fe-60
-100.0 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.5447 MeV
JEFF3.3 Threshold 4.3520 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
26-Fe-60

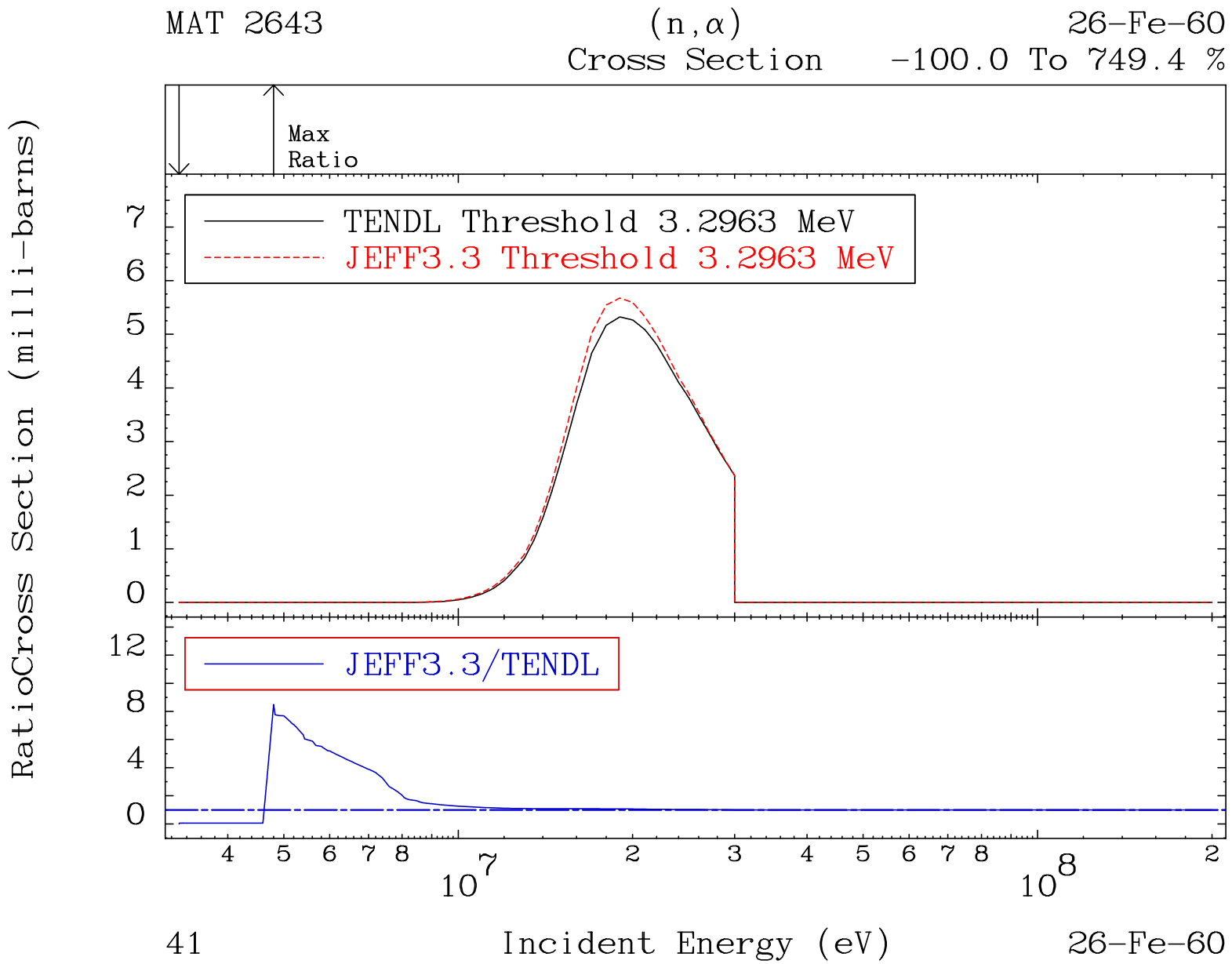

MAT 2643
(n,γ)
Cross Section
26-Fe-60
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
26-Fe-60

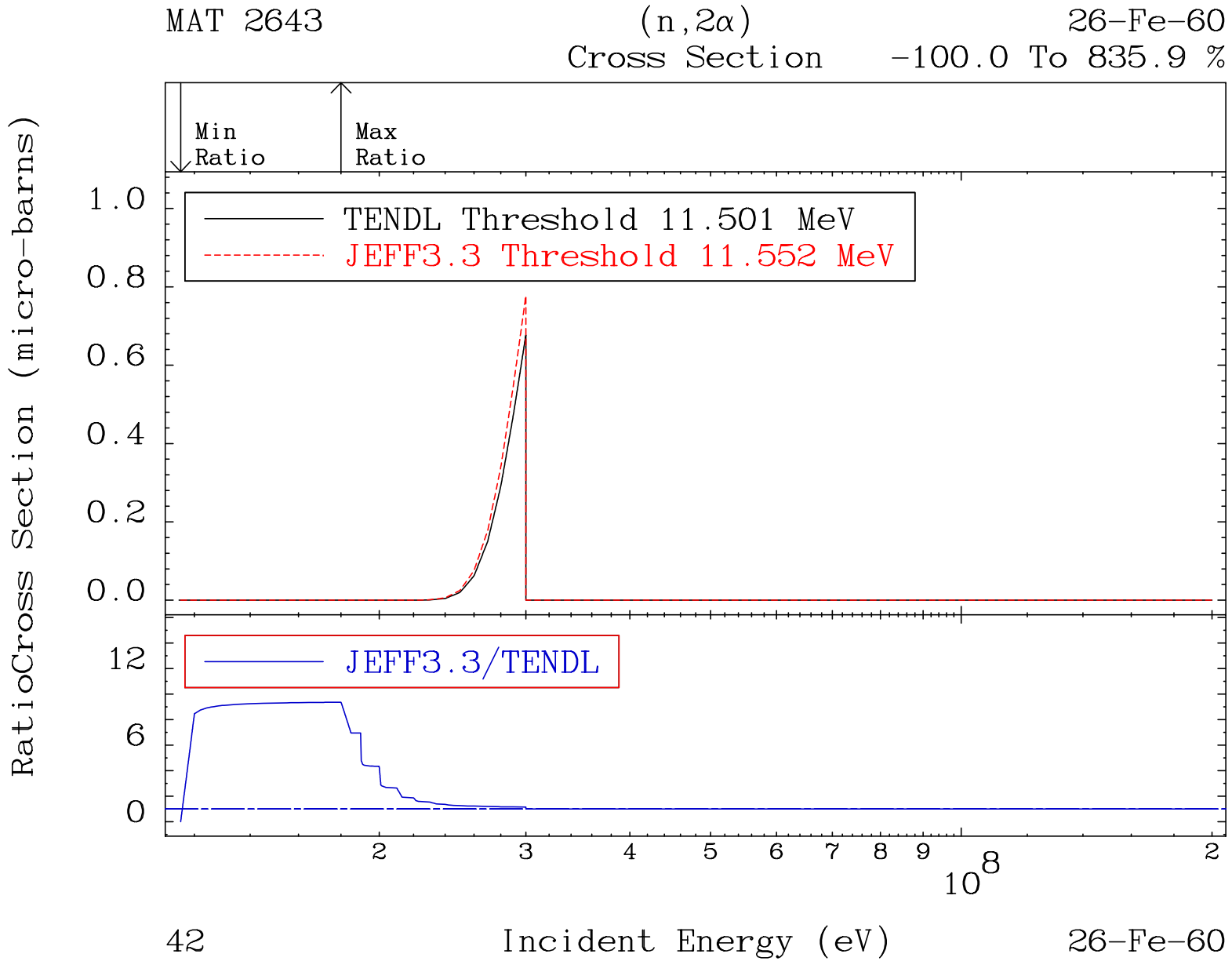

MAT 2643
(n,p)
Cross Section
26-Fe-60
-9.153 To 51.67 %
Max Ratio
Min Ratio
TENDL Threshold 7.7918 MeV
JEFF3.3 Threshold 7.7910 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.6
1.2
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
26-Fe-60

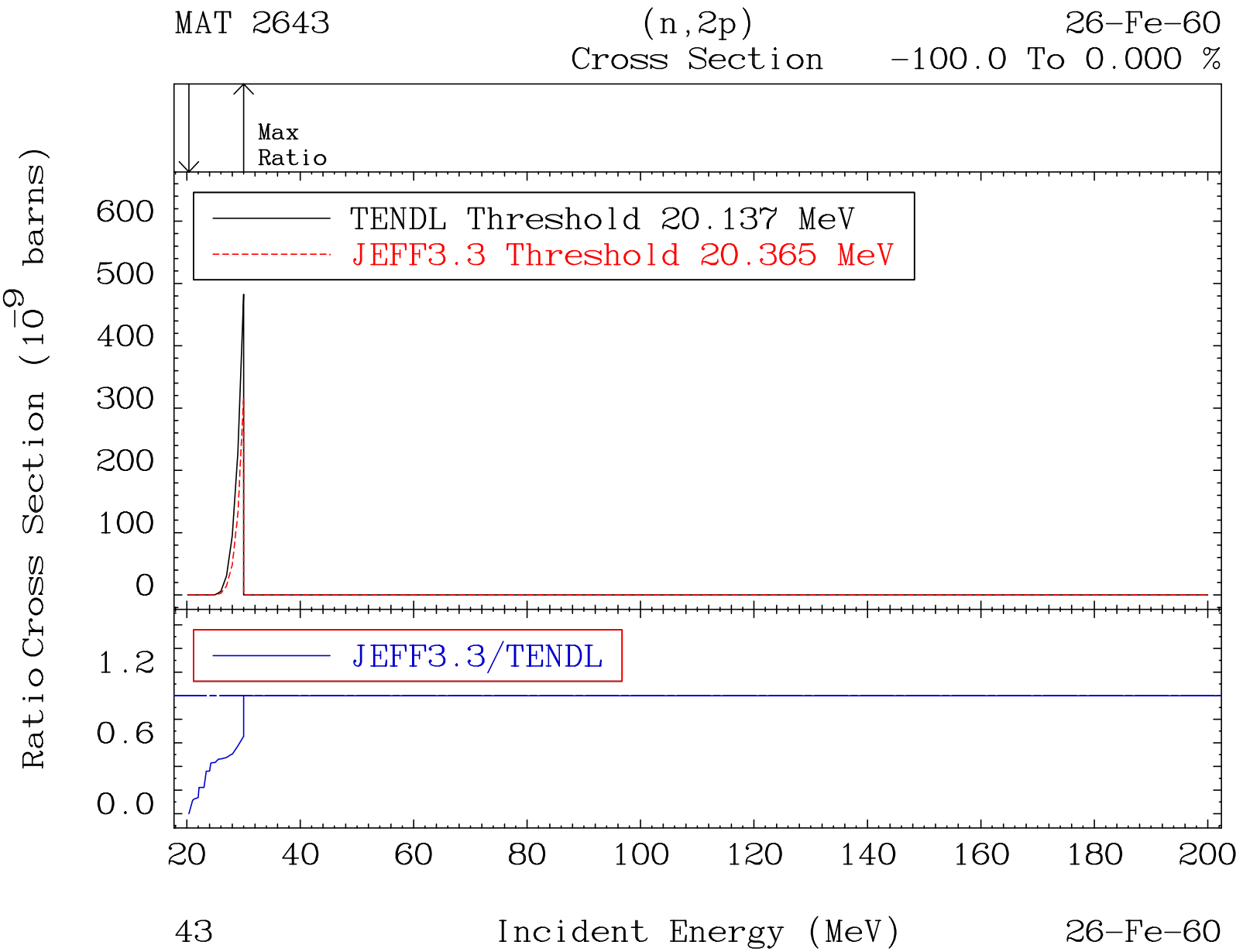

MAT 2643
(n,d)
26-Fe-60
Cross Section
-100.0 To 17.14 %
Max
Ratio
TENDL Threshold 11.137 MeV
JEFF3.3 Threshold 11.137 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
10^0
10^-4
10^-8
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
26-Fe-60

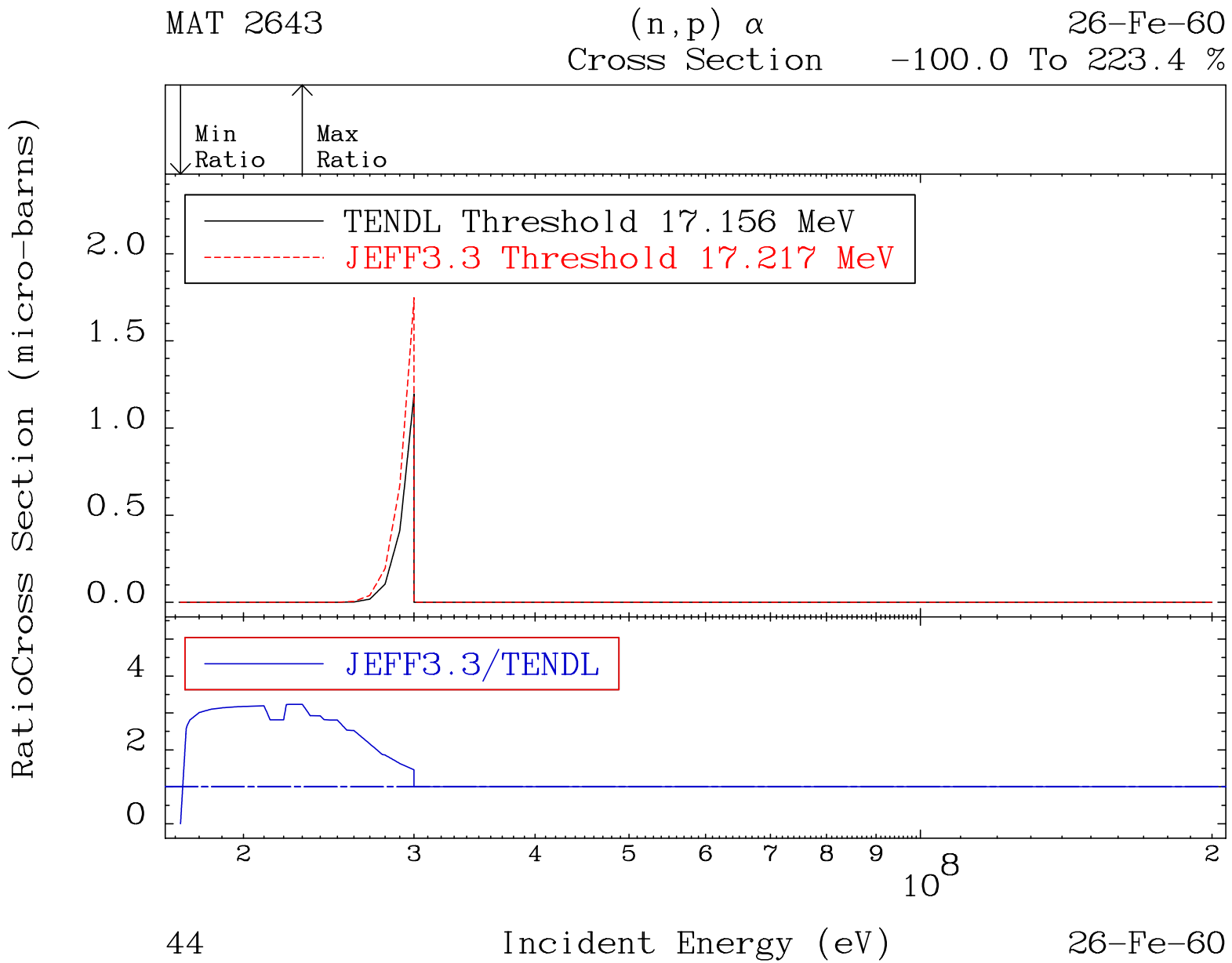

MAT 2643
(n,t)
Cross Section
26-Fe-60
-1.718 To 31.88 %
Max Ratio
Min Ratio
TENDL Threshold 12.674 MeV
JEFF3.3 Threshold 12.674 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
26-Fe-60

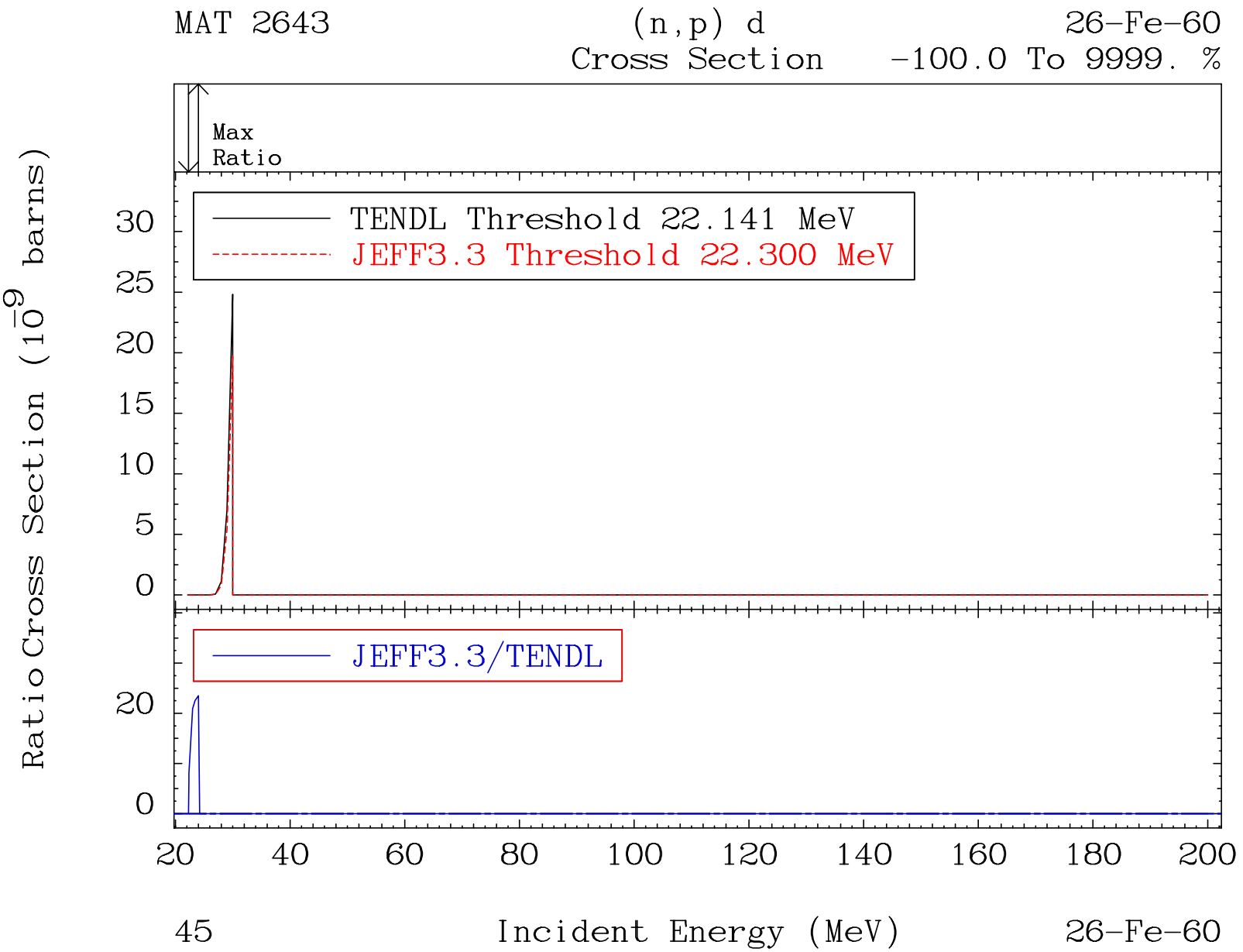

MAT 2643
(n,He-3)
Cross Section
26-Fe-60
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.555 MeV
JEFF3.3 Threshold 16.714 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
26-Fe-60

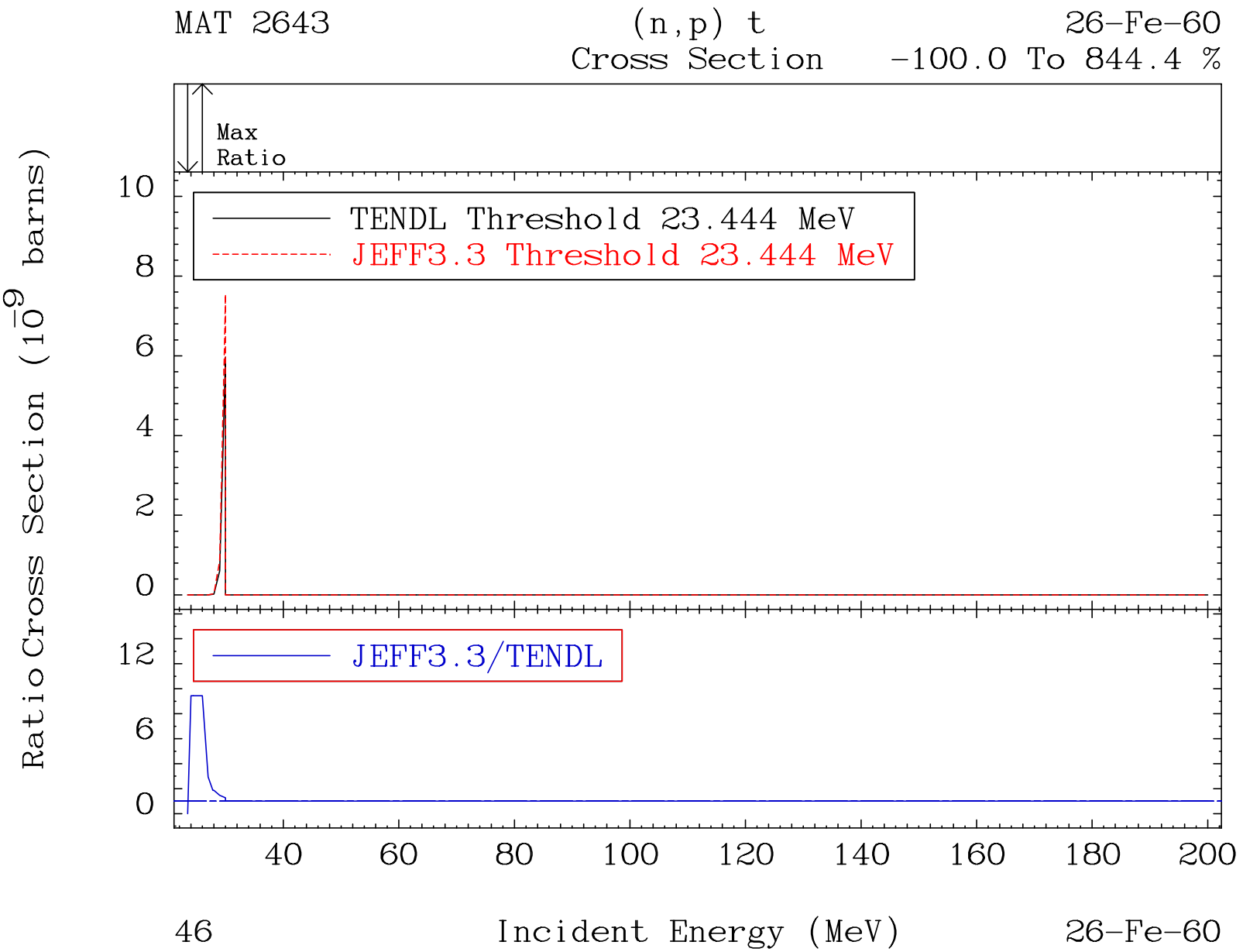

MAT 2643
(n,α)
Cross Section
26-Fe-60
-100.0 To 749.4 %
Max
Ratio
TENDL Threshold 3.2963 MeV
JEFF3.3 Threshold 3.2963 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
26-Fe-60

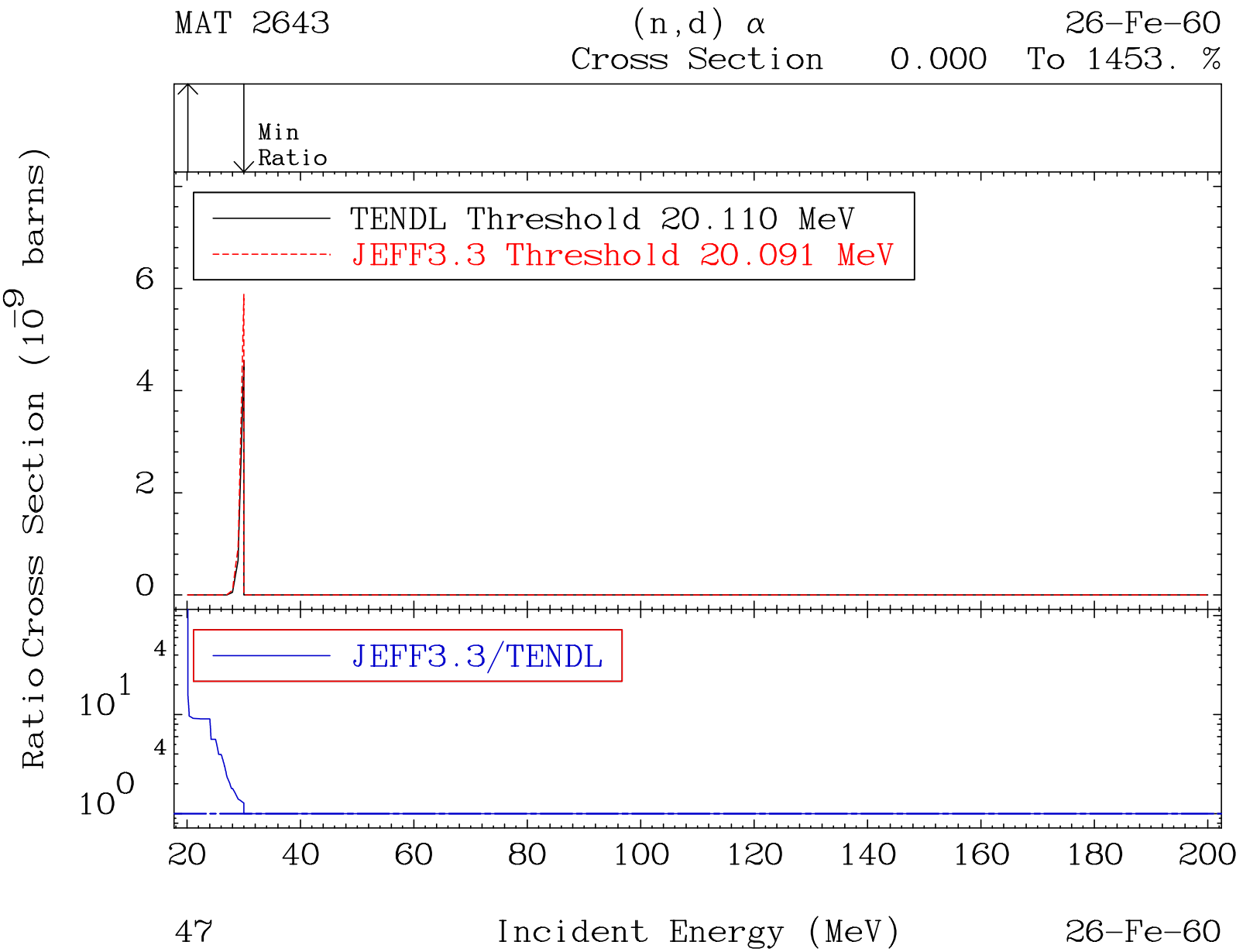

MAT 2643
(n,2α)
26-Fe-60
Cross Section
-100.0 To 835.9 %
Min Ratio
Max Ratio
TENDL Threshold 11.501 MeV
JEFF3.3 Threshold 11.552 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
26-Fe-60

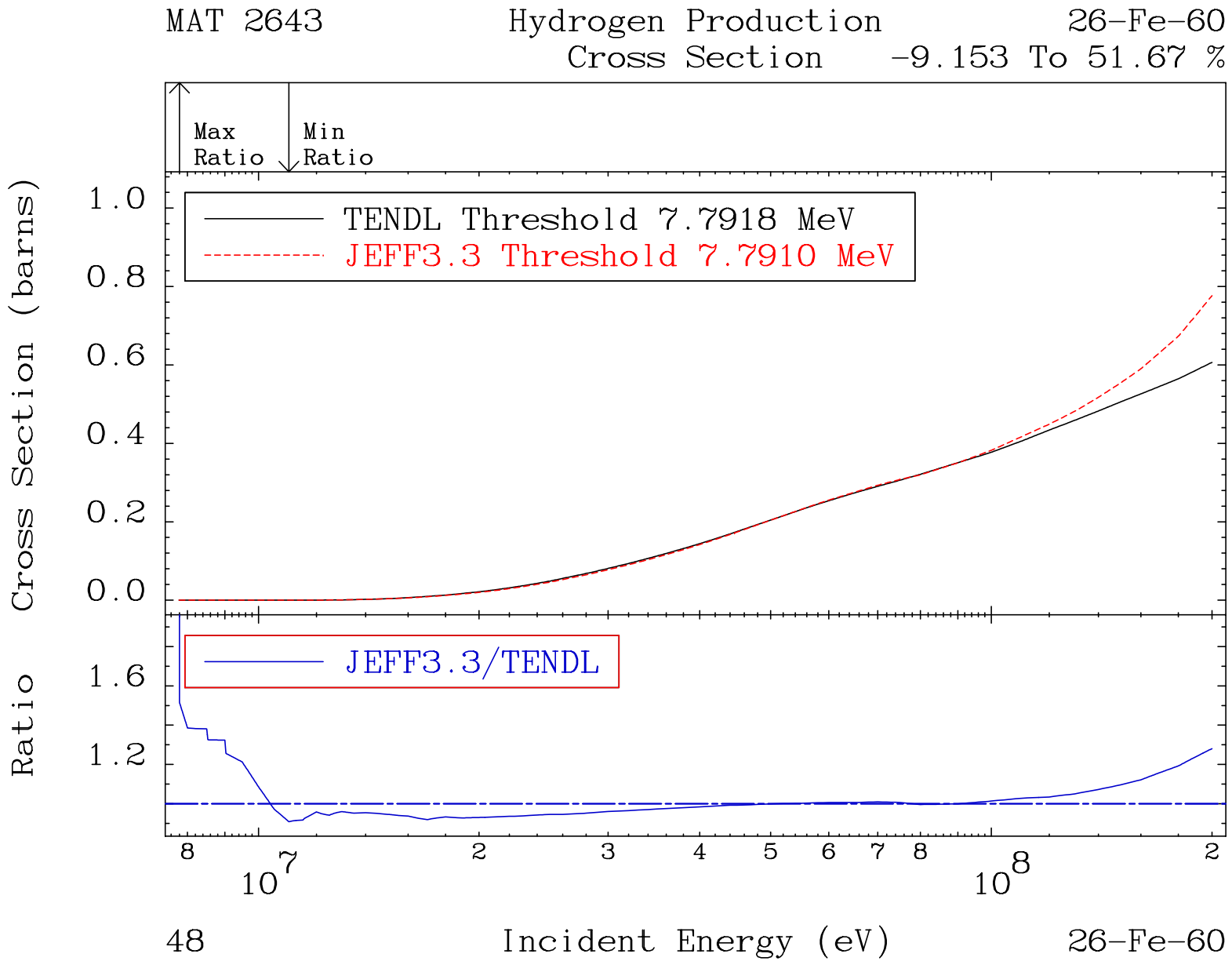

MAT 2643
(n,2p)
Cross Section
26-Fe-60
-100.0 To 0.000 %
Max
Ratio
TENDL Threshold 20.137 MeV
JEFF3.3 Threshold 20.365 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
20
40
60
80
100
120
140
160
180
200
43
Incident Energy (MeV)
26-Fe-60

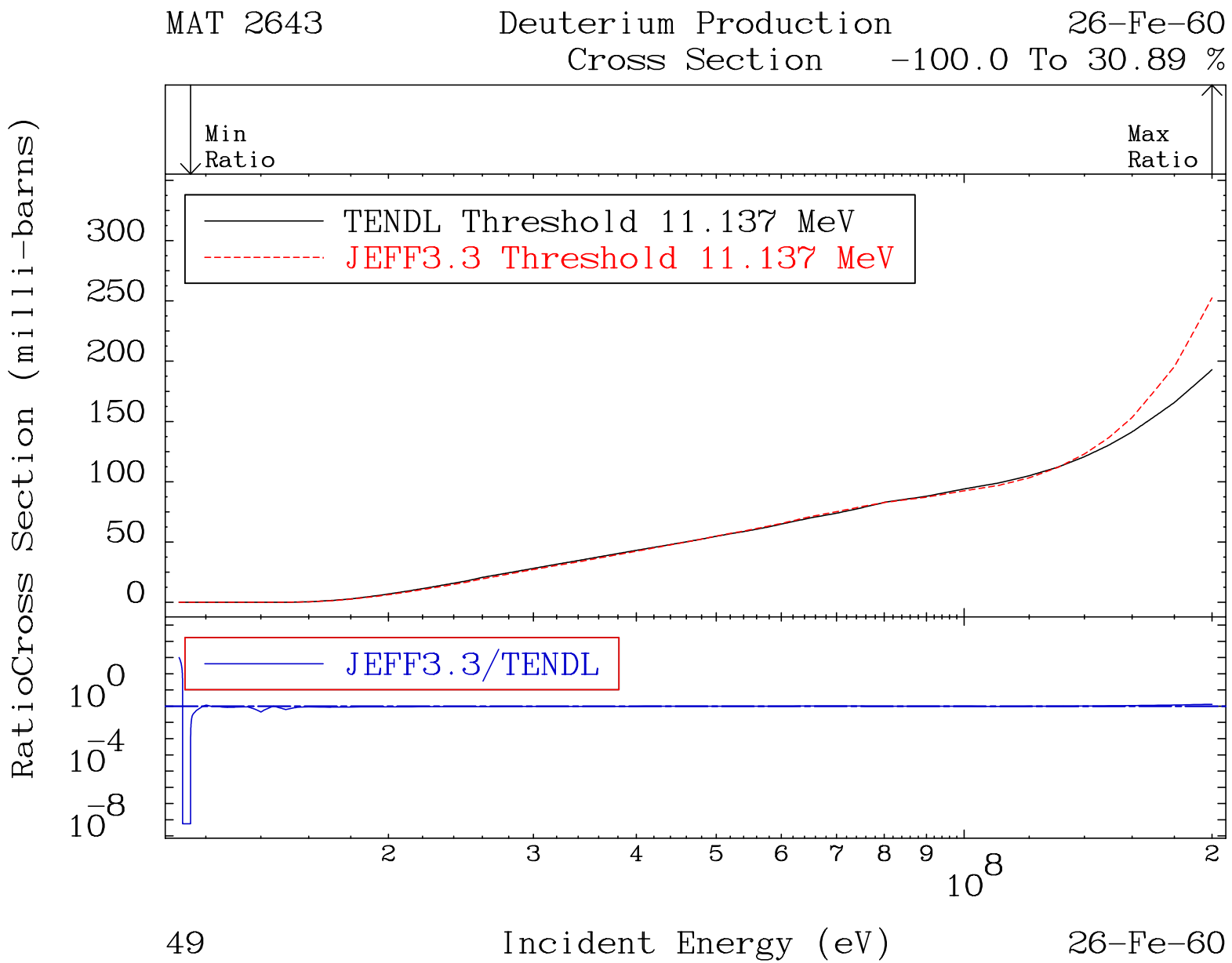

MAT 2643
(n,p) α
Cross Section
26-Fe-60
-100.0 To 223.4 %
Min Ratio
Max Ratio
TENDL Threshold 17.156 MeV
JEFF3.3 Threshold 17.217 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
26-Fe-60

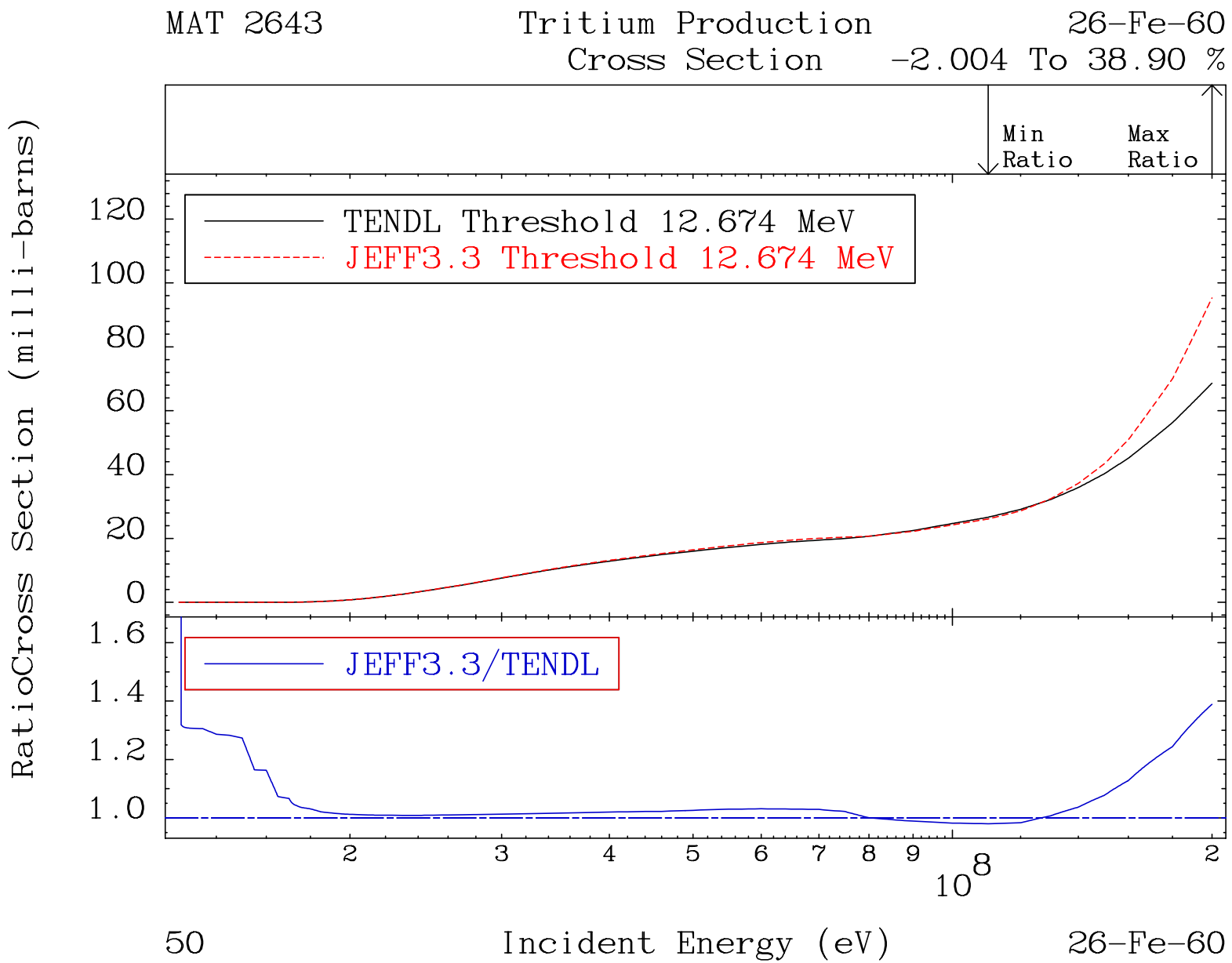

MAT 2643
(n,p) d
Cross Section
26-Fe-60
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 22.141 MeV
JEFF3.3 Threshold 22.300 MeV
JEFF3.3/TENDL
Ratio Cross Section ($10^{-9}$ barns)
30
25
20
15
10
5
0
20
0
20
40
60
80
100
120
140
160
180
200
45
Incident Energy (MeV)
26-Fe-60

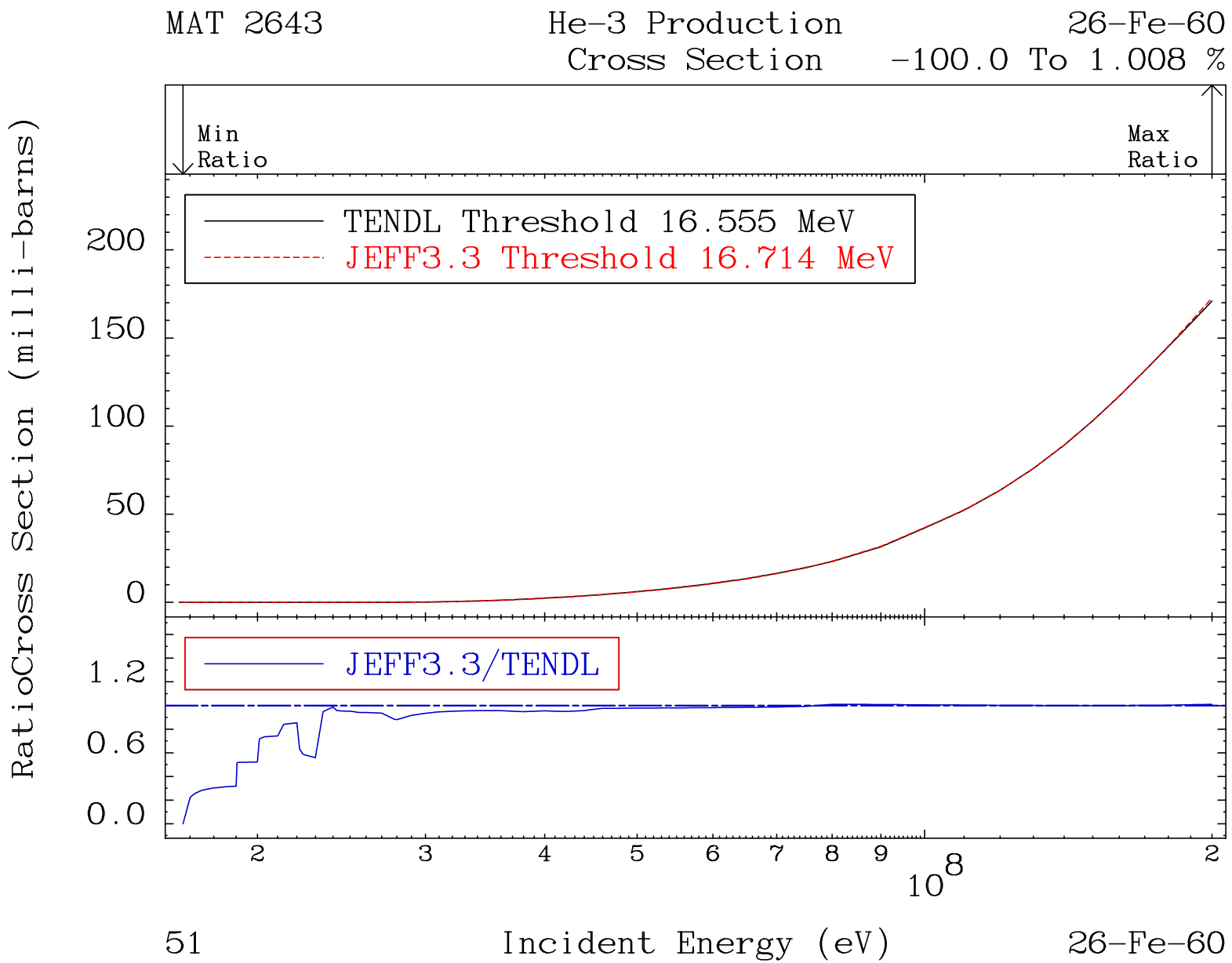

MAT 2643
(n,p) t
Cross Section
26-Fe-60
-100.0 To 844.4 %
Max
Ratio
TENDL Threshold 23.444 MeV
JEFF3.3 Threshold 23.444 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (MeV)
46
26-Fe-60

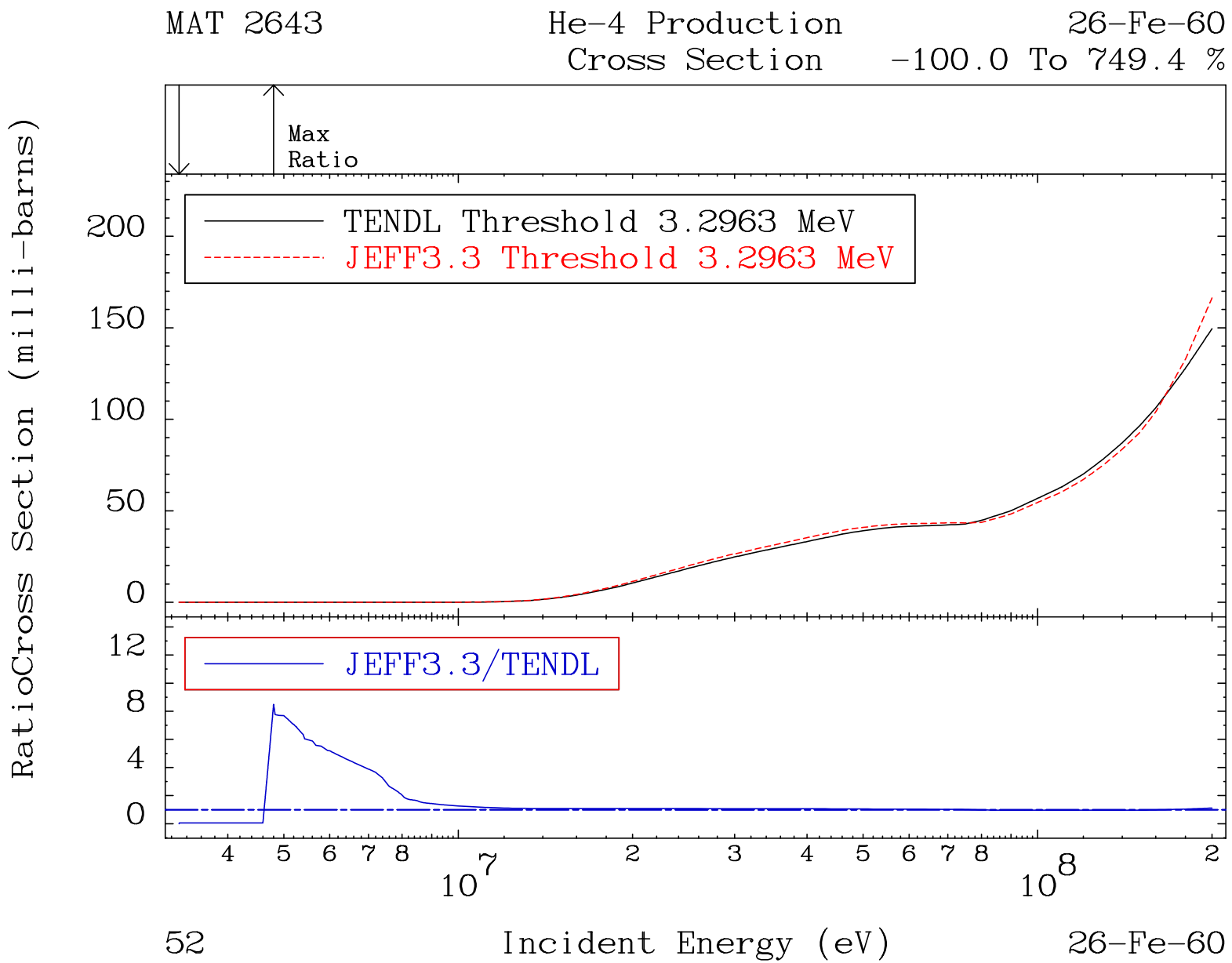

MAT 2643
(n,d) α
26-Fe-60
Cross Section 0.000 To 1453. %
Min
Ratio
TENDL Threshold 20.110 MeV
JEFF3.3 Threshold 20.091 MeV
JEFF3.3/TENDL
Ratio Cross Section ($10^{-9}$ barns)
Incident Energy (MeV)
47
26-Fe-60

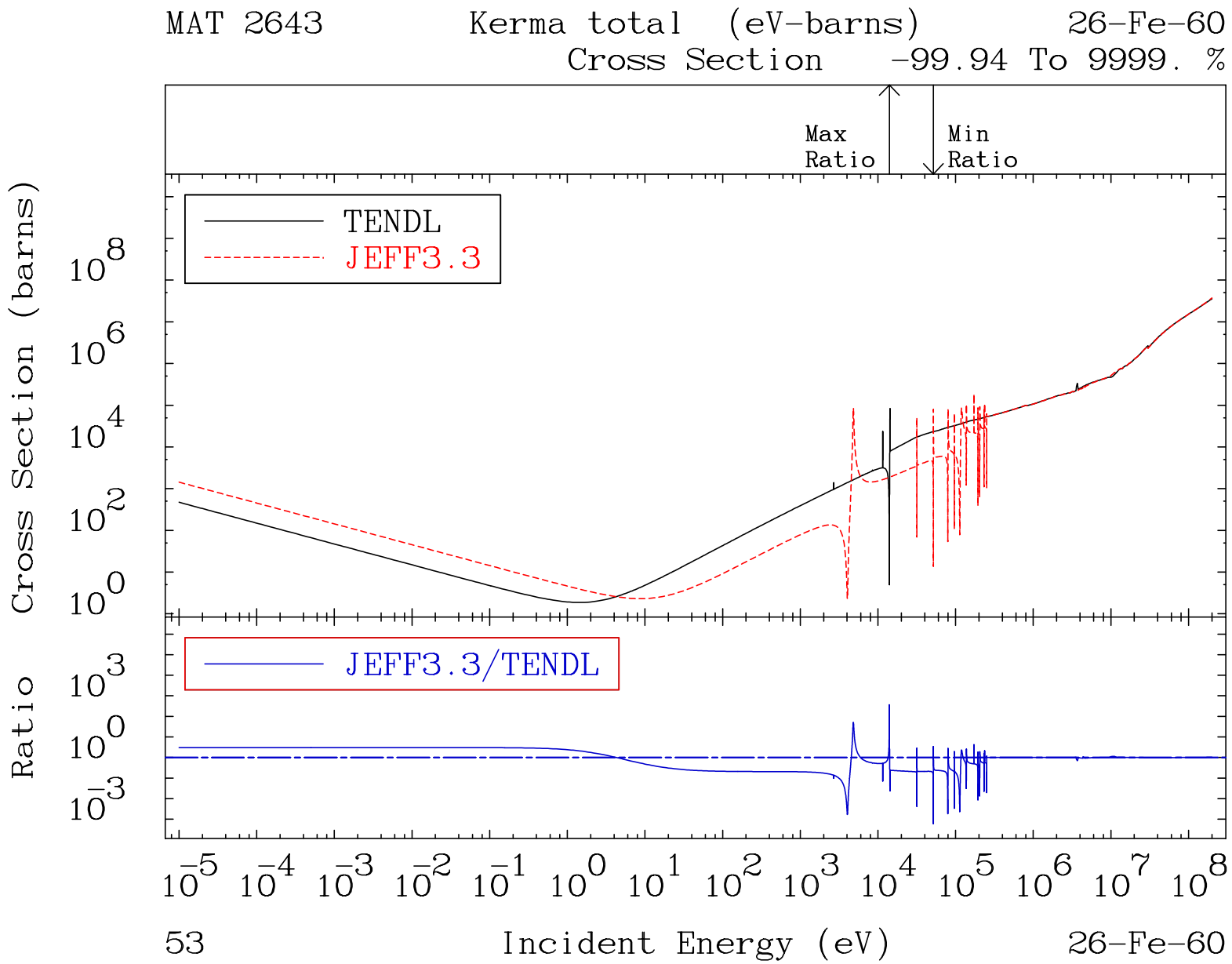

MAT 2643
Hydrogen Production
26-Fe-60
Cross Section
-9.153 To 51.67 %
Max Ratio
Min Ratio
TENDL Threshold 7.7918 MeV
JEFF3.3 Threshold 7.7910 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.6
1.2
8
10^7
2
3
4
5
6
7
8
10^8
2
48
Incident Energy (eV)
26-Fe-60

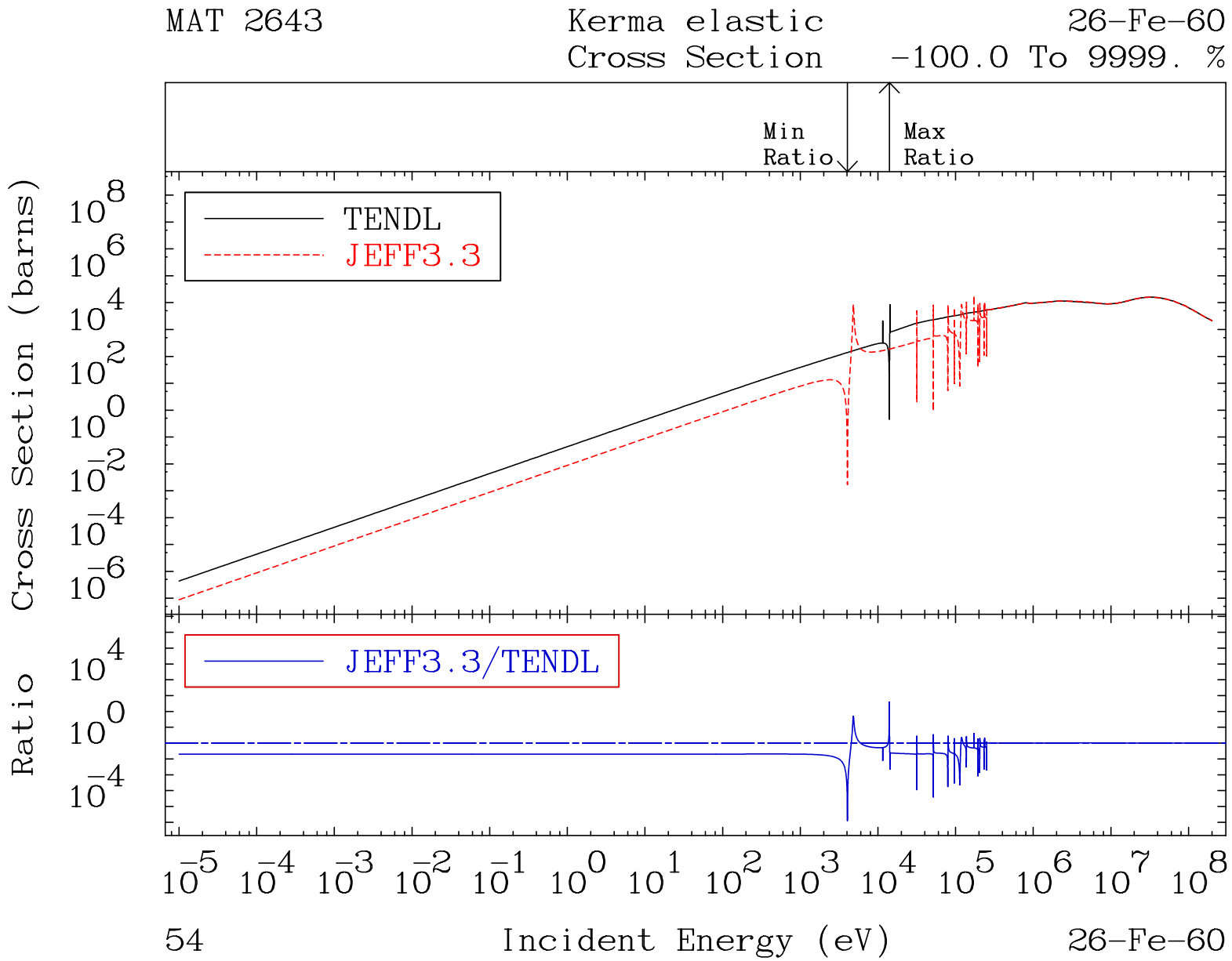

MAT 2643
Deuterium Production
26-Fe-60
Cross Section
-100.0 To 30.89 %
Min Ratio
Max Ratio
TENDL Threshold 11.137 MeV
JEFF3.3 Threshold 11.137 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
$10^{0}$
$10^{-4}$
$10^{-8}$
2
3
4
5
6
7
8
9
$10^{8}$
2
49
Incident Energy (eV)
26-Fe-60

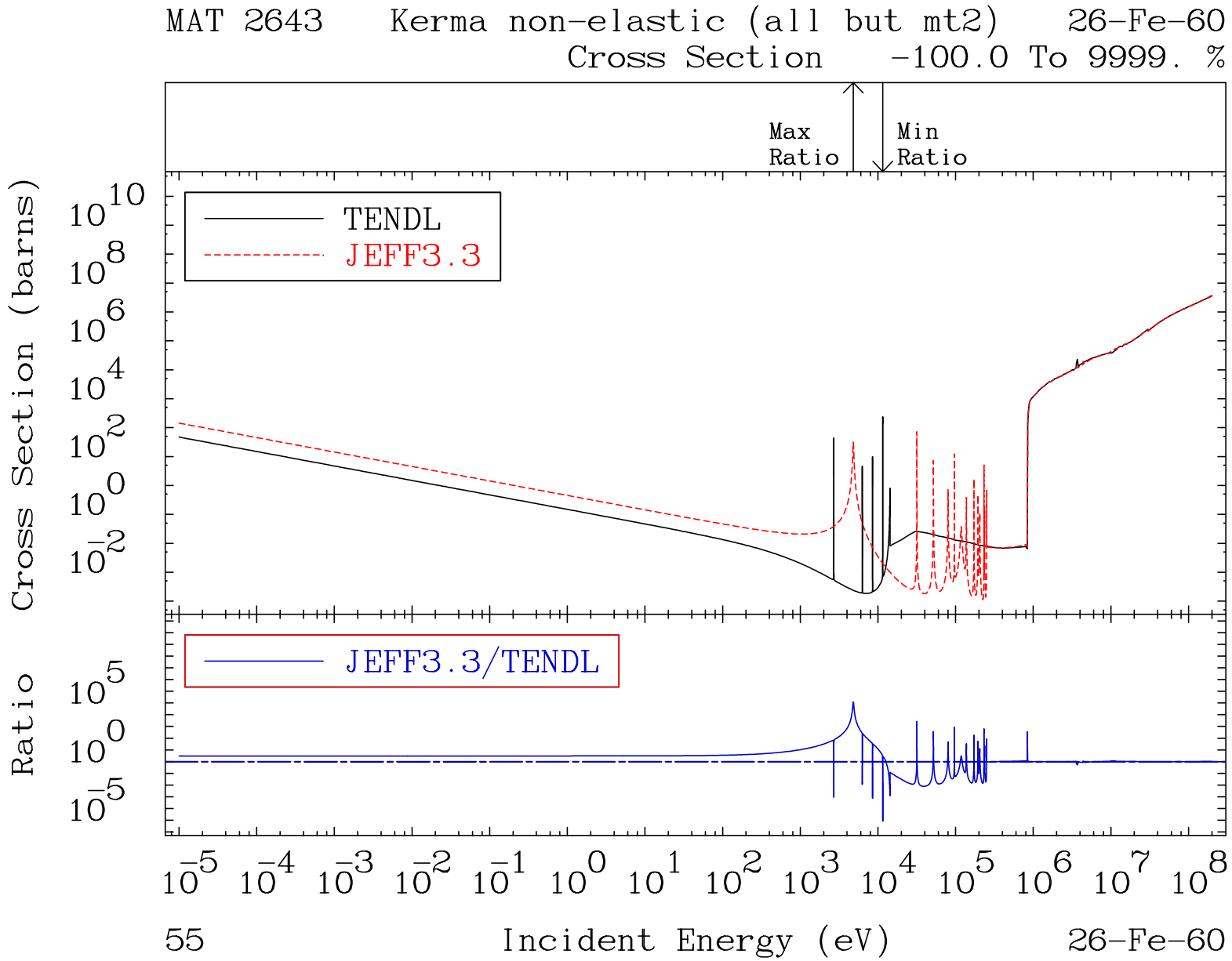

MAT 2643
Tritium Production
Cross Section
26-Fe-60
-2.004 To 38.90 %
Min Ratio
Max Ratio
TENDL Threshold 12.674 MeV
JEFF3.3 Threshold 12.674 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.6
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
26-Fe-60

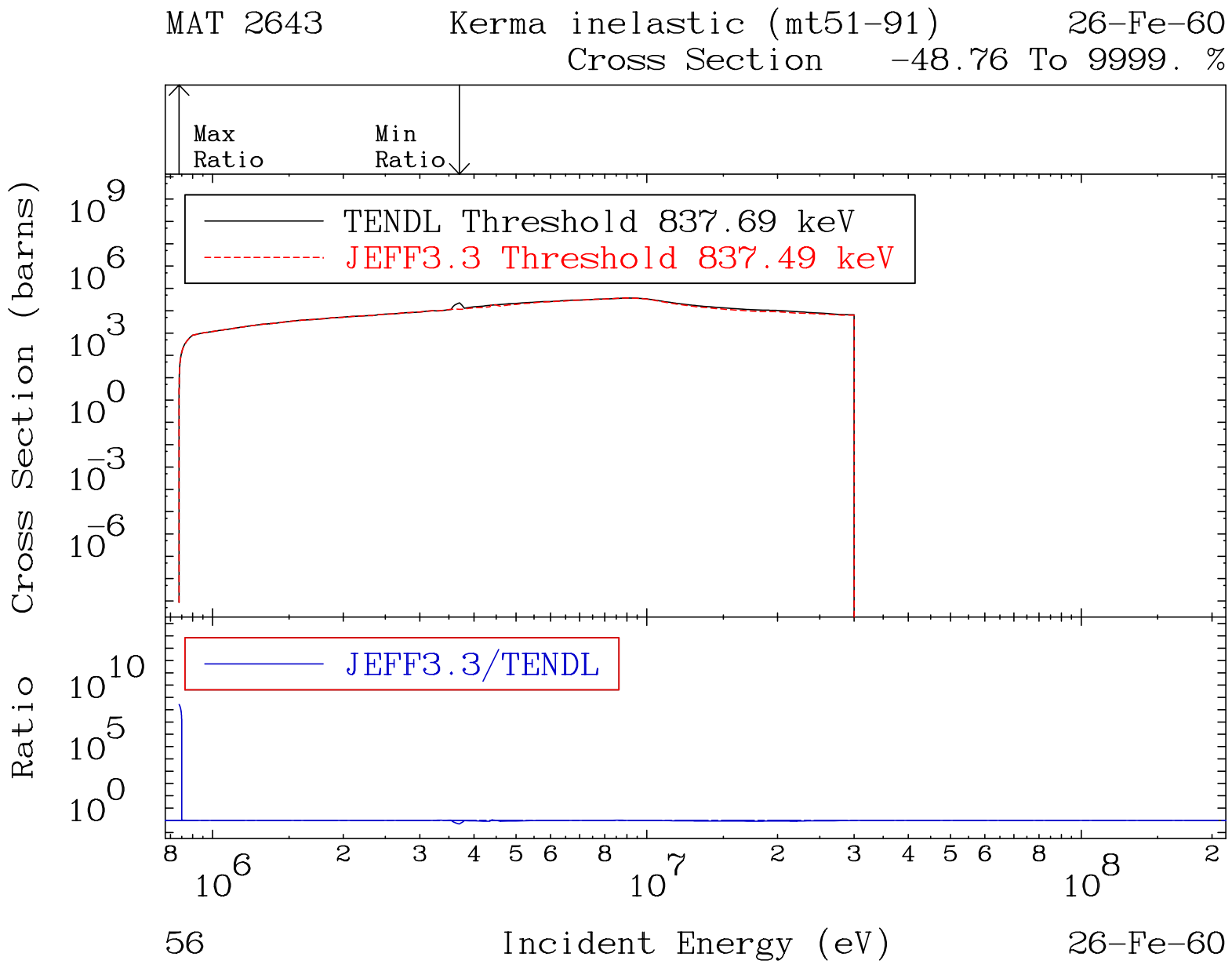

MAT 2643
He-3 Production
Cross Section
26-Fe-60
-100.0 To 1.008 %
Min
Ratio
Max
Ratio
TENDL Threshold 16.555 MeV
JEFF3.3 Threshold 16.714 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
26-Fe-60

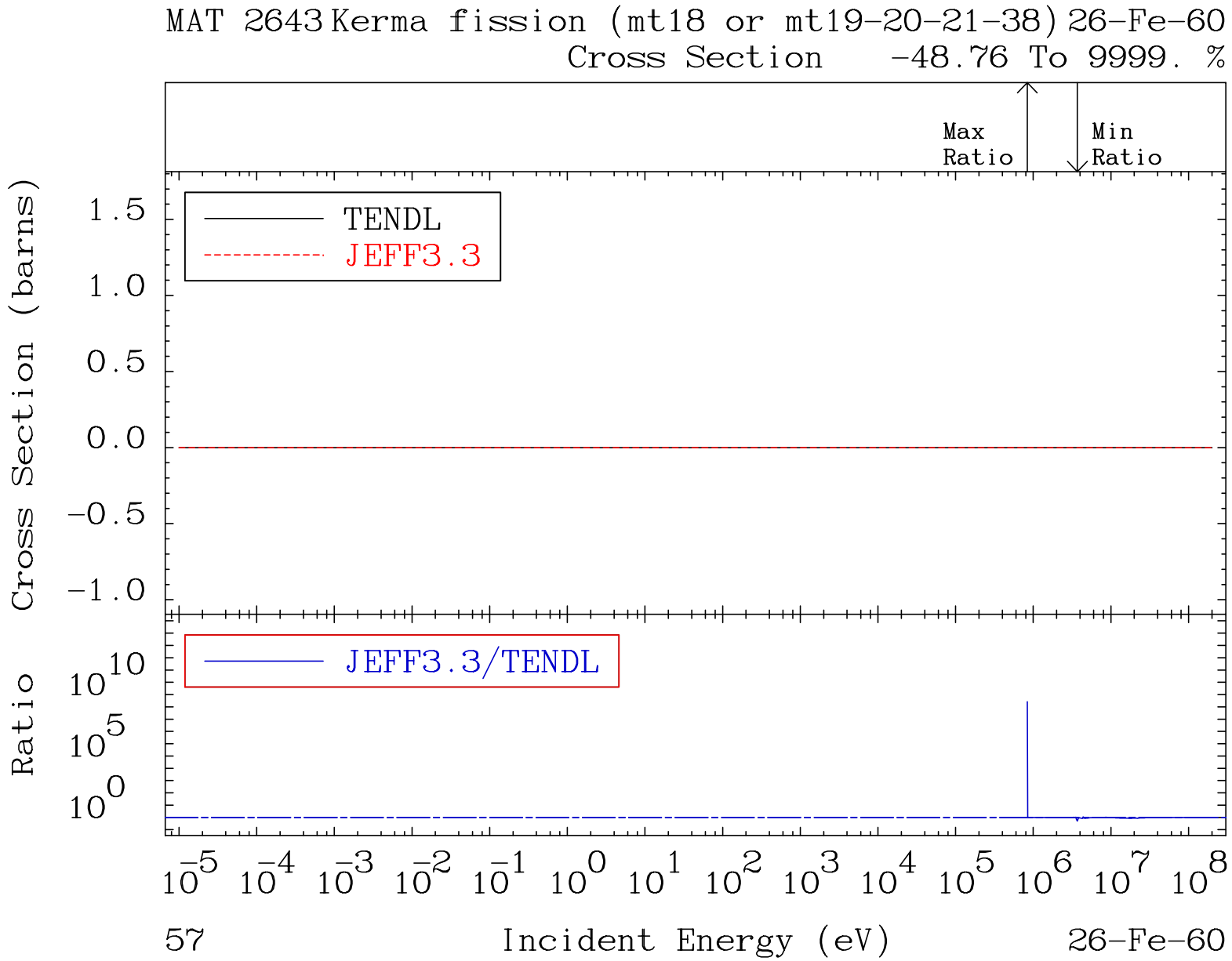

MAT 2643
He-4 Production
Cross Section
26-Fe-60
-100.0 To 749.4 %
Max
Ratio
TENDL Threshold 3.2963 MeV
JEFF3.3 Threshold 3.2963 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
12
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
52
Incident Energy (eV)
26-Fe-60

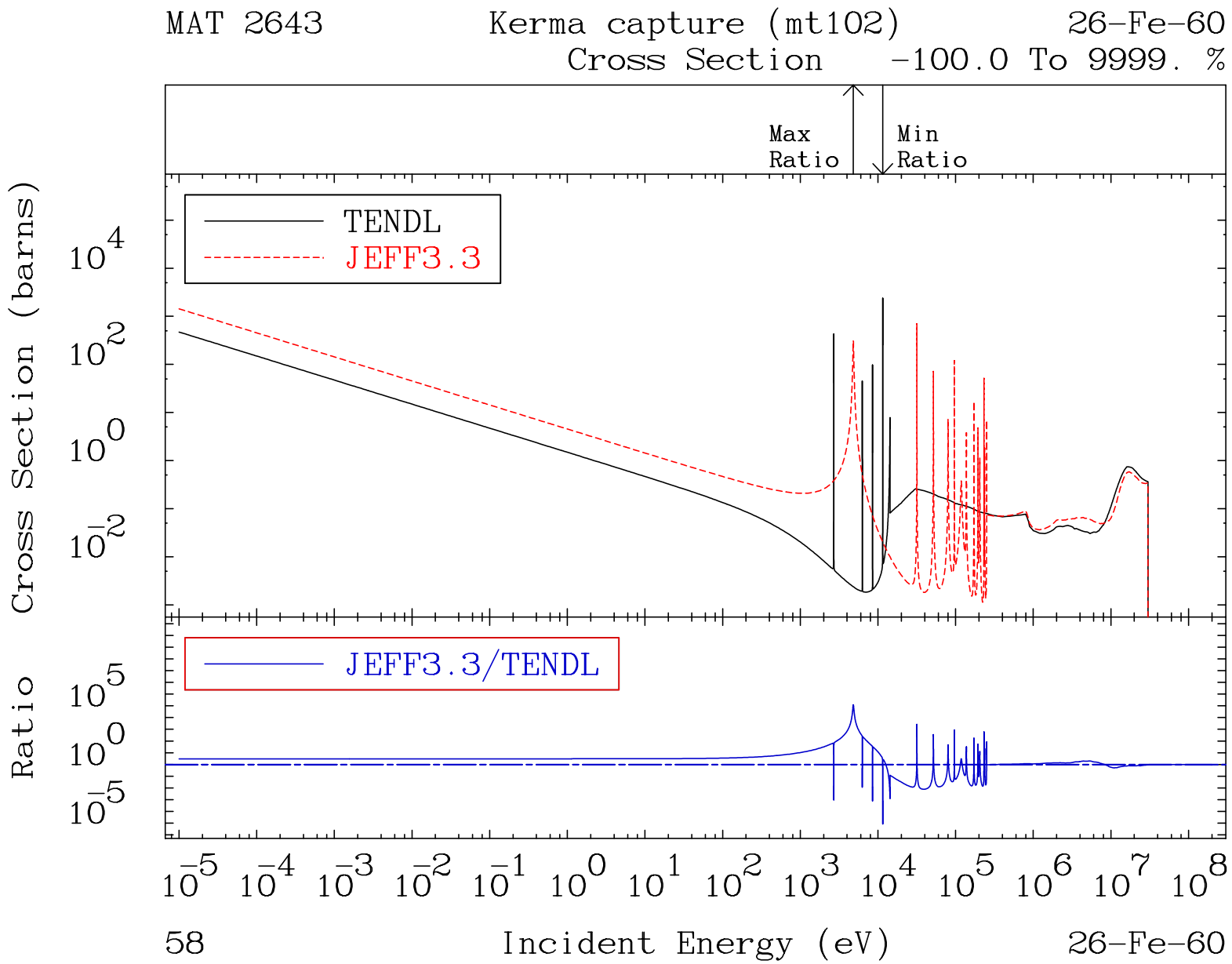

MAT 2643
Kerma total (eV-barns)
26-Fe-60
Cross Section -99.94 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
26-Fe-60

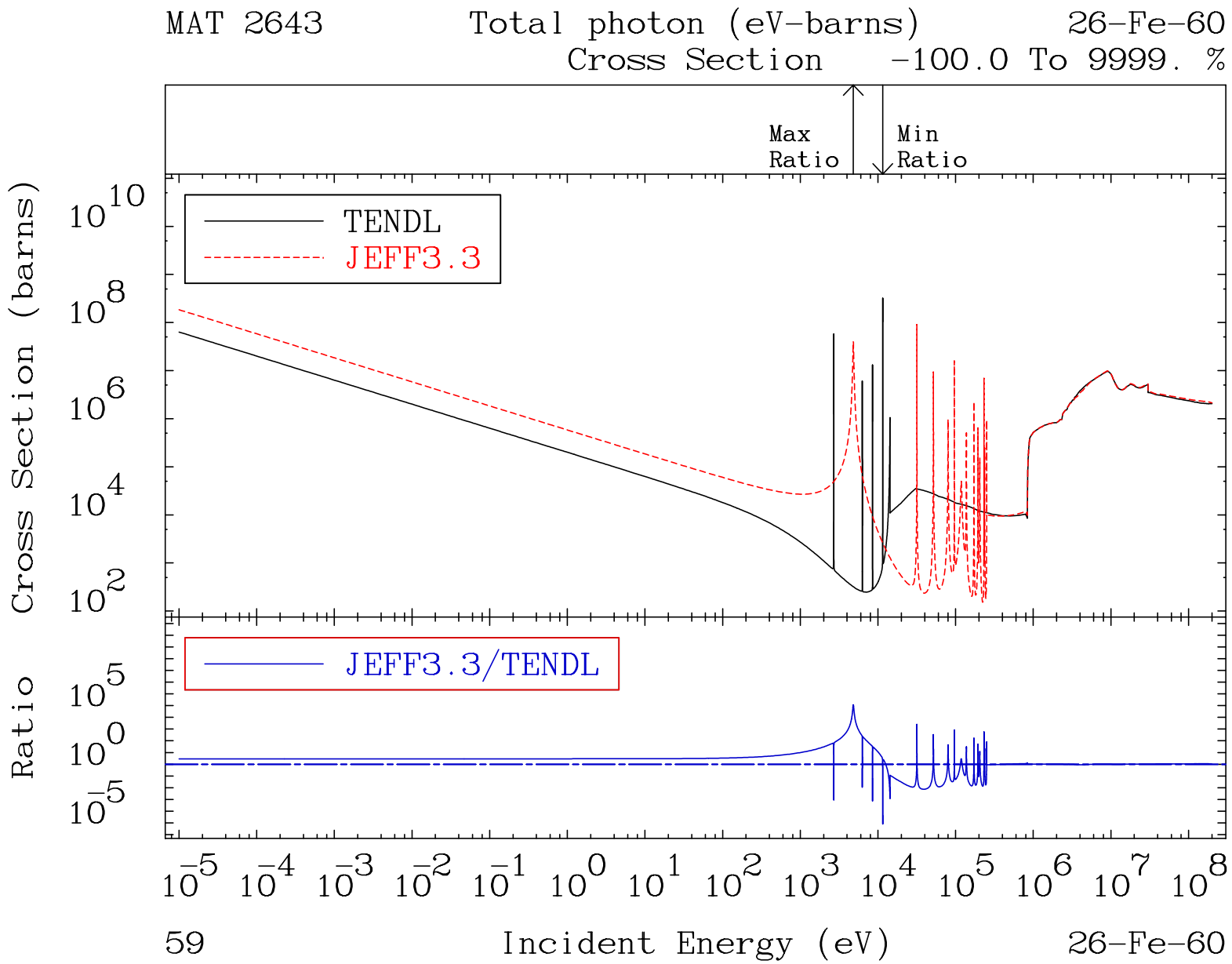

MAT 2643
Kerma elastic
Cross Section
26-Fe-60
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
26-Fe-60

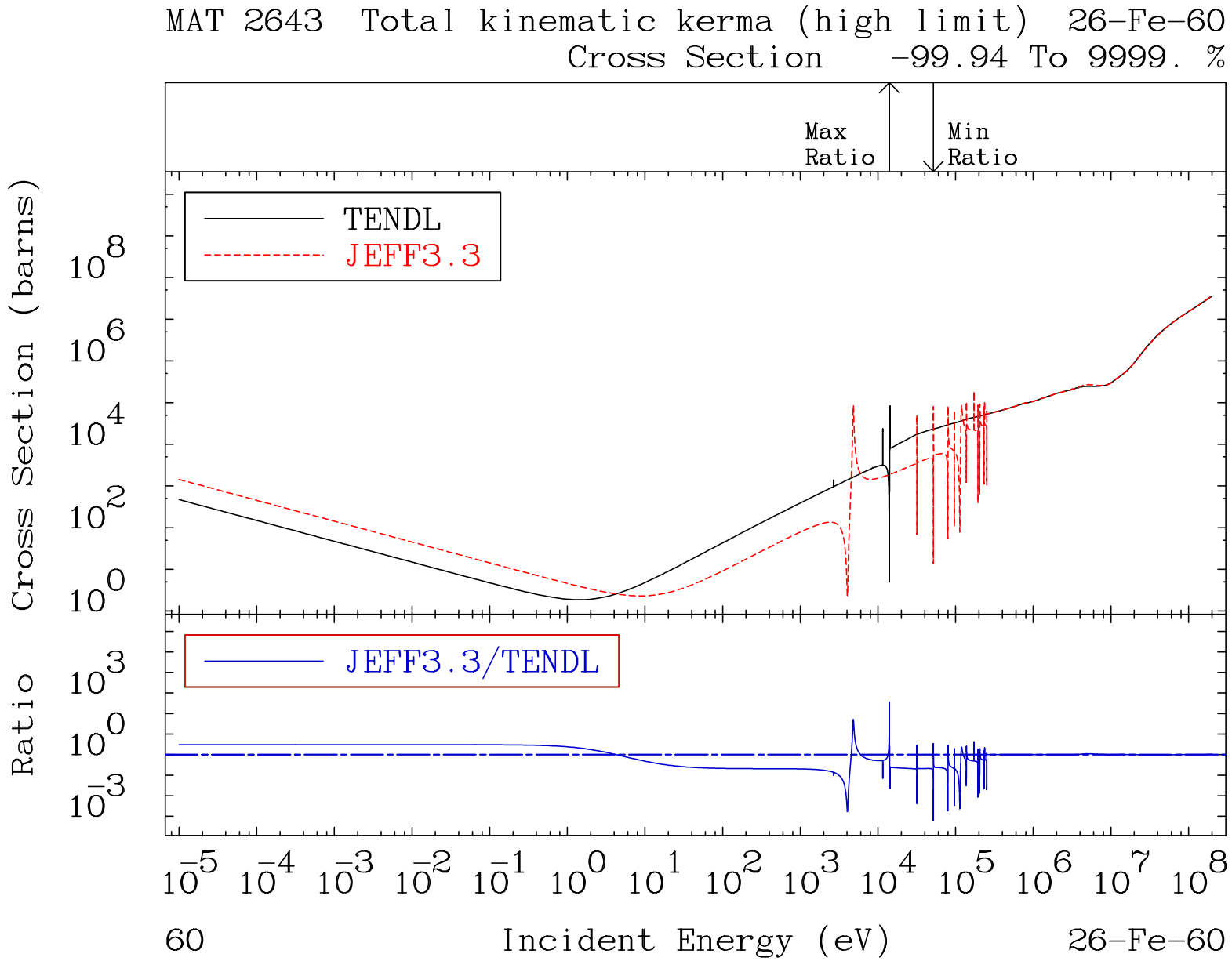

MAT 2643 Kerma non-elastic (all but mt2) 26-Fe-60
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
26-Fe-60

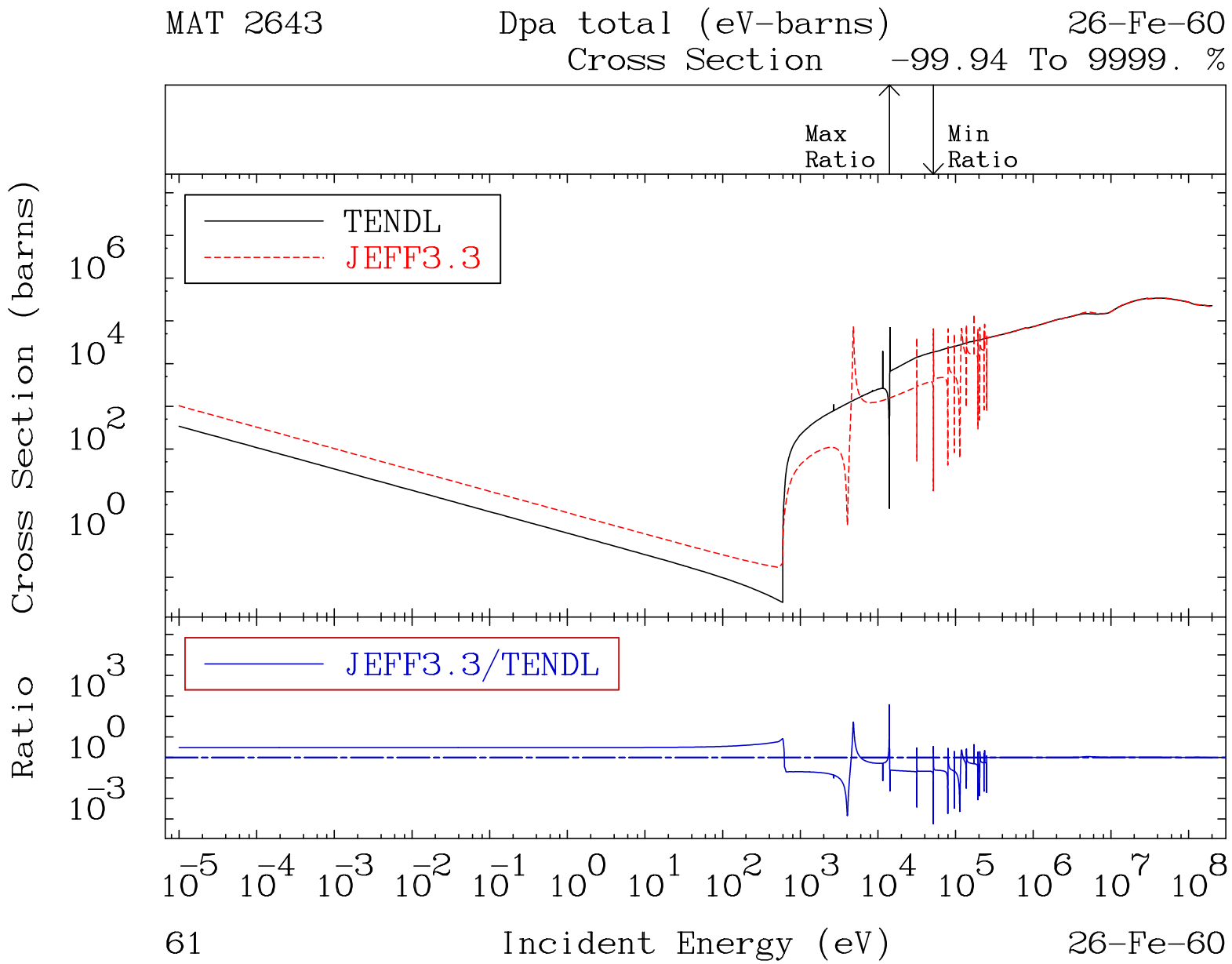

MAT 2643
Kerma inelastic (mt51-91)
26-Fe-60
Cross Section
-48.76 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 837.69 keV
JEFF3.3 Threshold 837.49 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
26-Fe-60

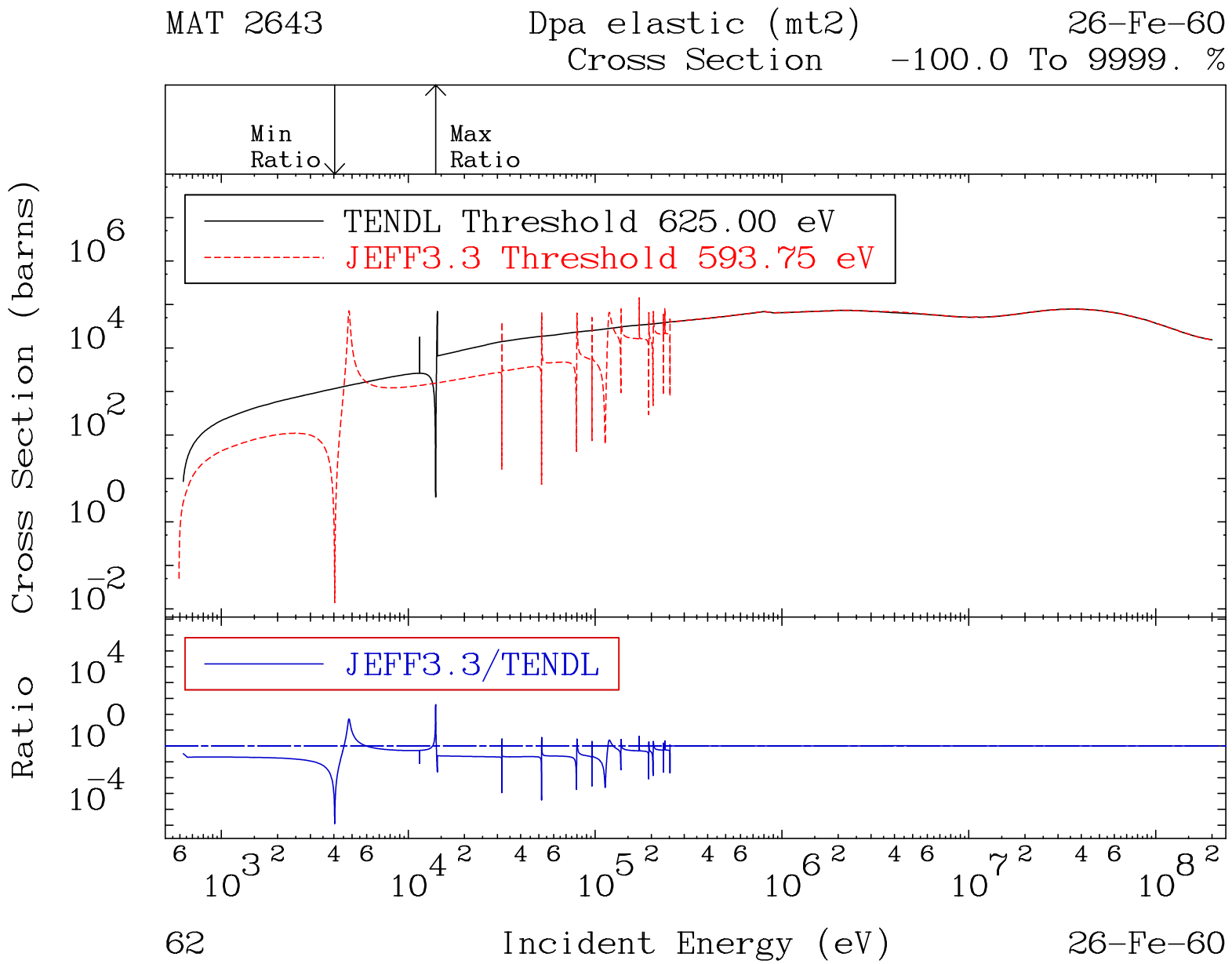

MAT 2643 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-60
Cross Section -48.76 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
$10^{10}$
$10^{5}$
$10^{0}$
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$ $10^{4}$ $10^{5}$ $10^{6}$ $10^{7}$ $10^{8}$
57
Incident Energy (eV)
26-Fe-60

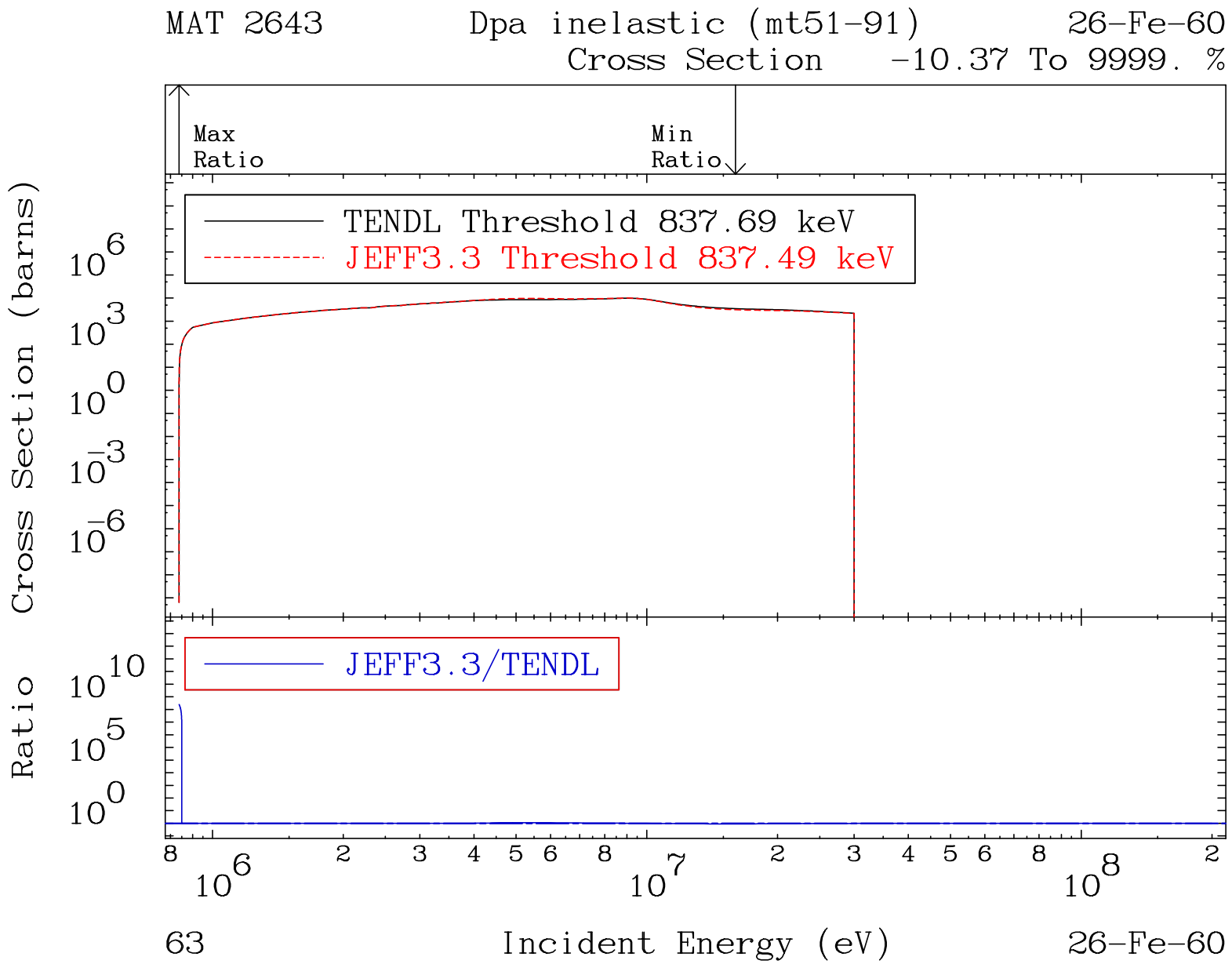

MAT 2643
Kerma capture (mt102)
26-Fe-60
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
58
26-Fe-60

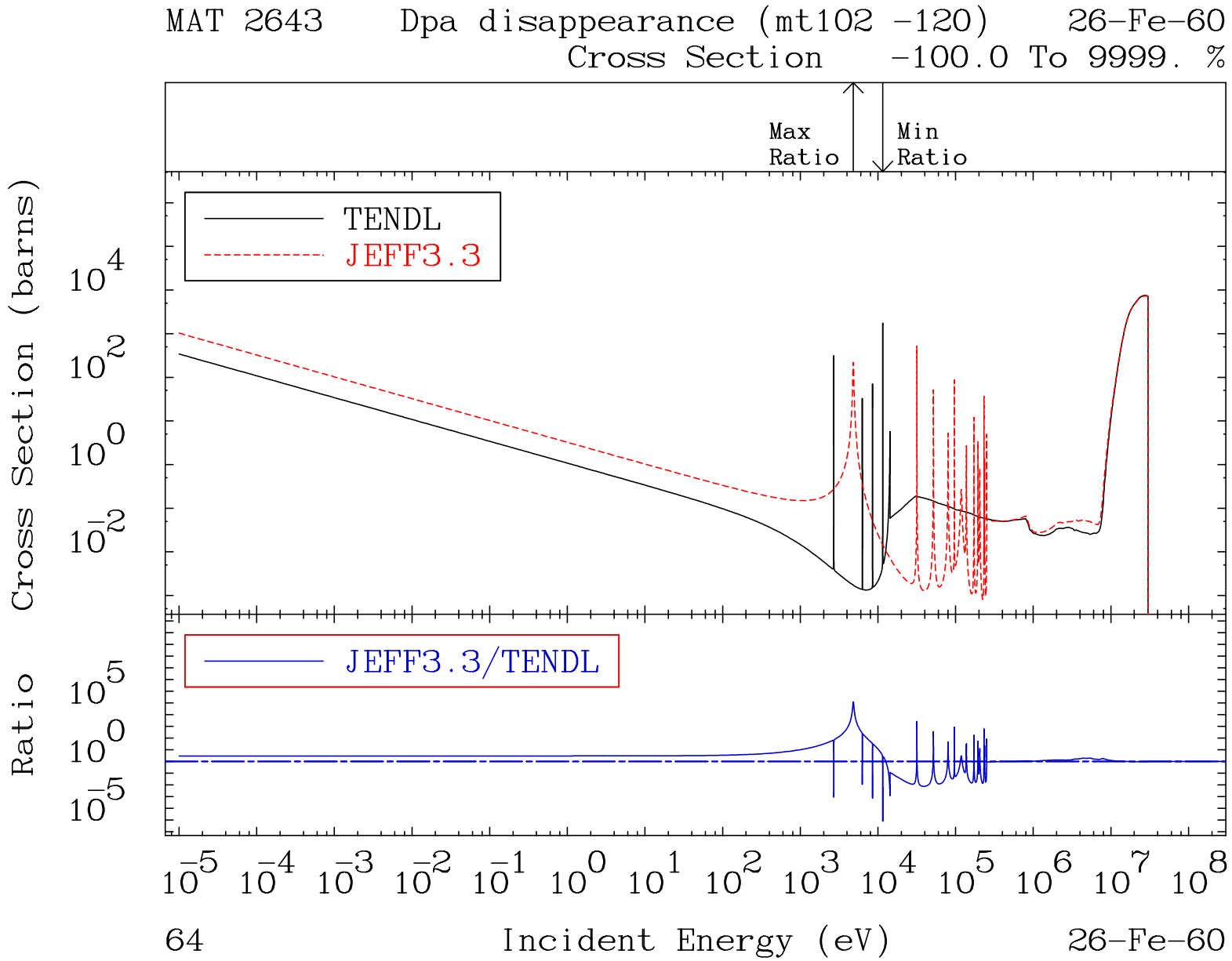

MAT 2643
Total photon (eV-barns)
26-Fe-60
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
26-Fe-60

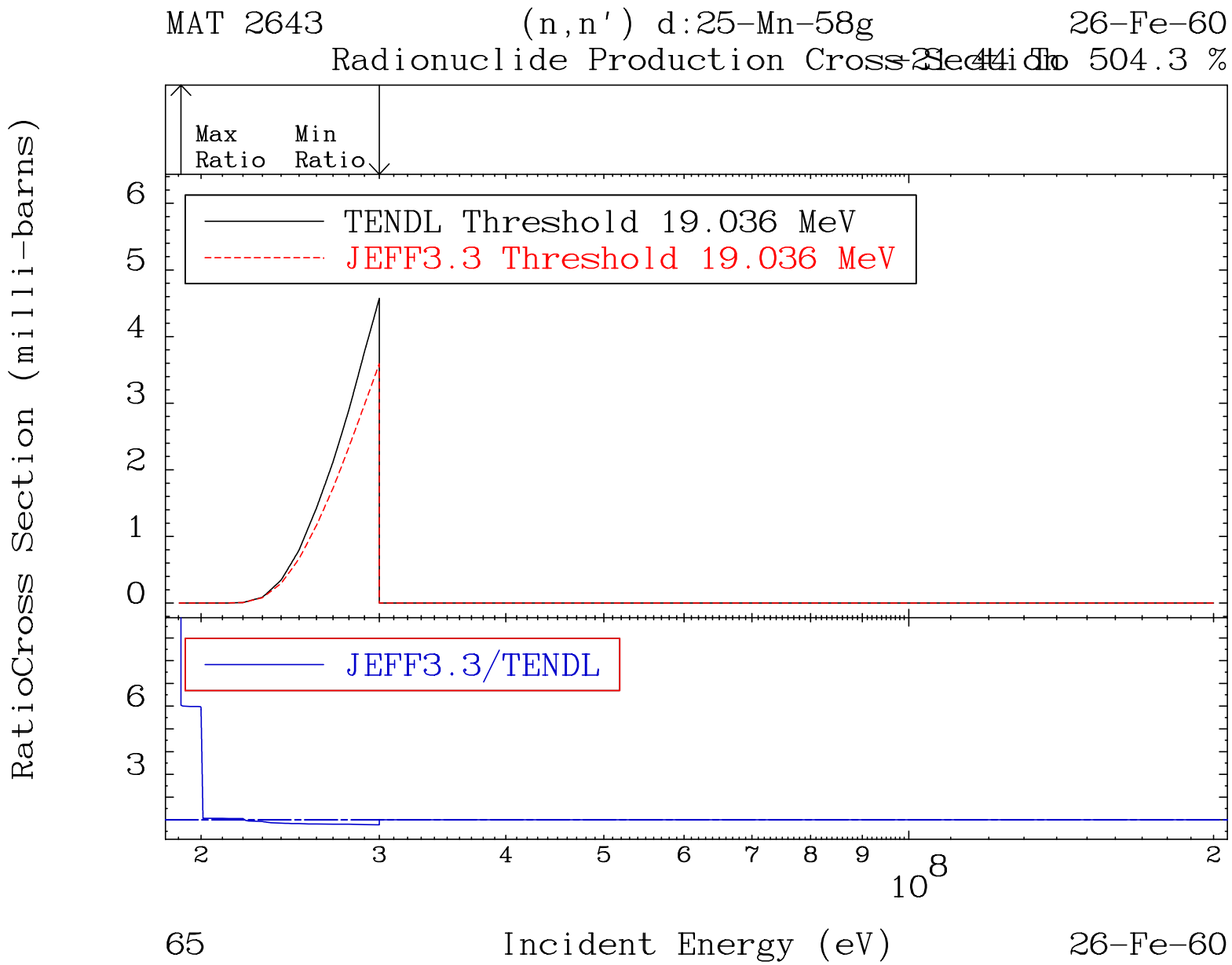

MAT 2643 Total kinematic kerma (high limit) 26-Fe-60
Cross Section -99.94 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
26-Fe-60

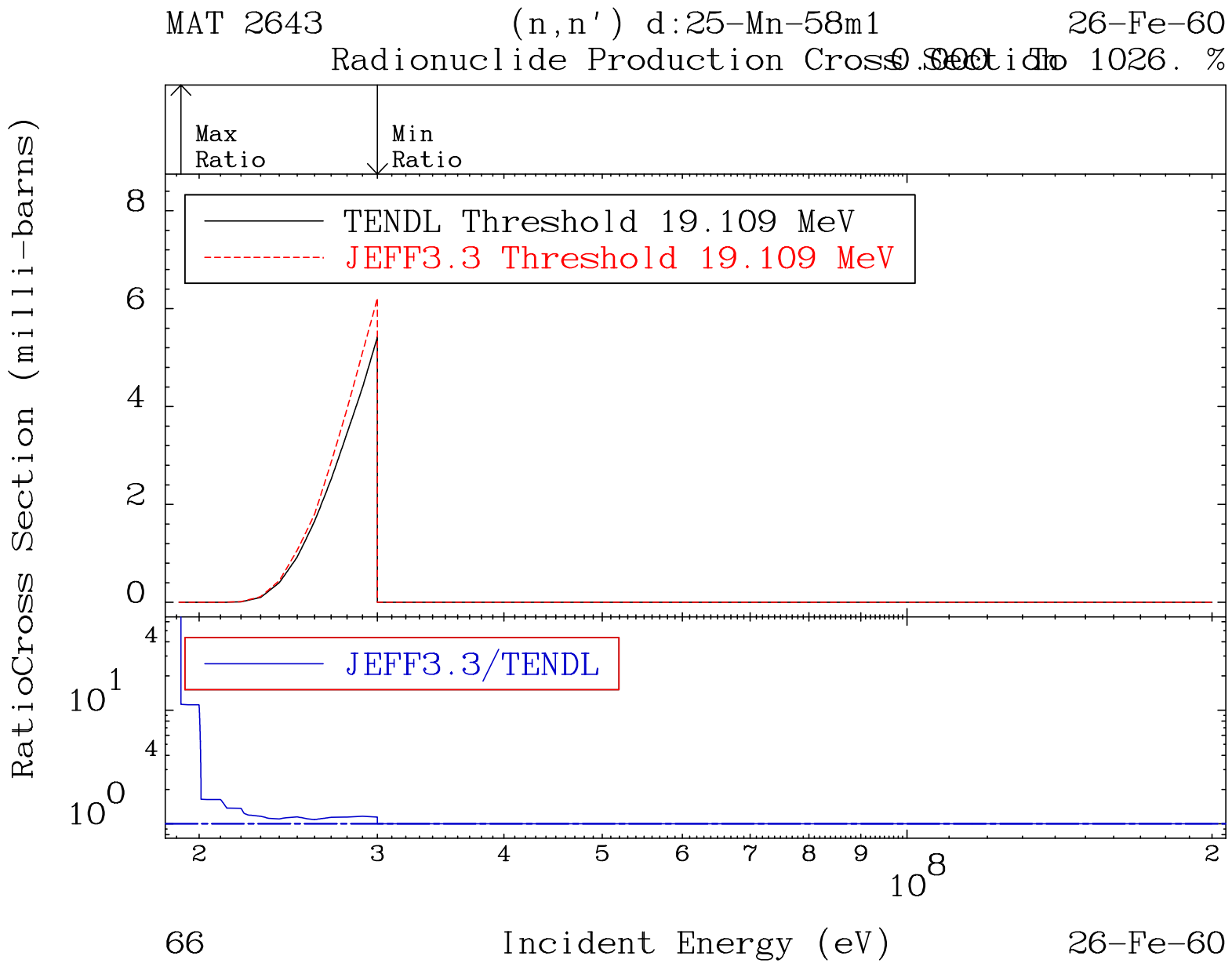

MAT 2643
Dpa total (eV-barns)
26-Fe-60
Cross Section -99.94 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
26-Fe-60

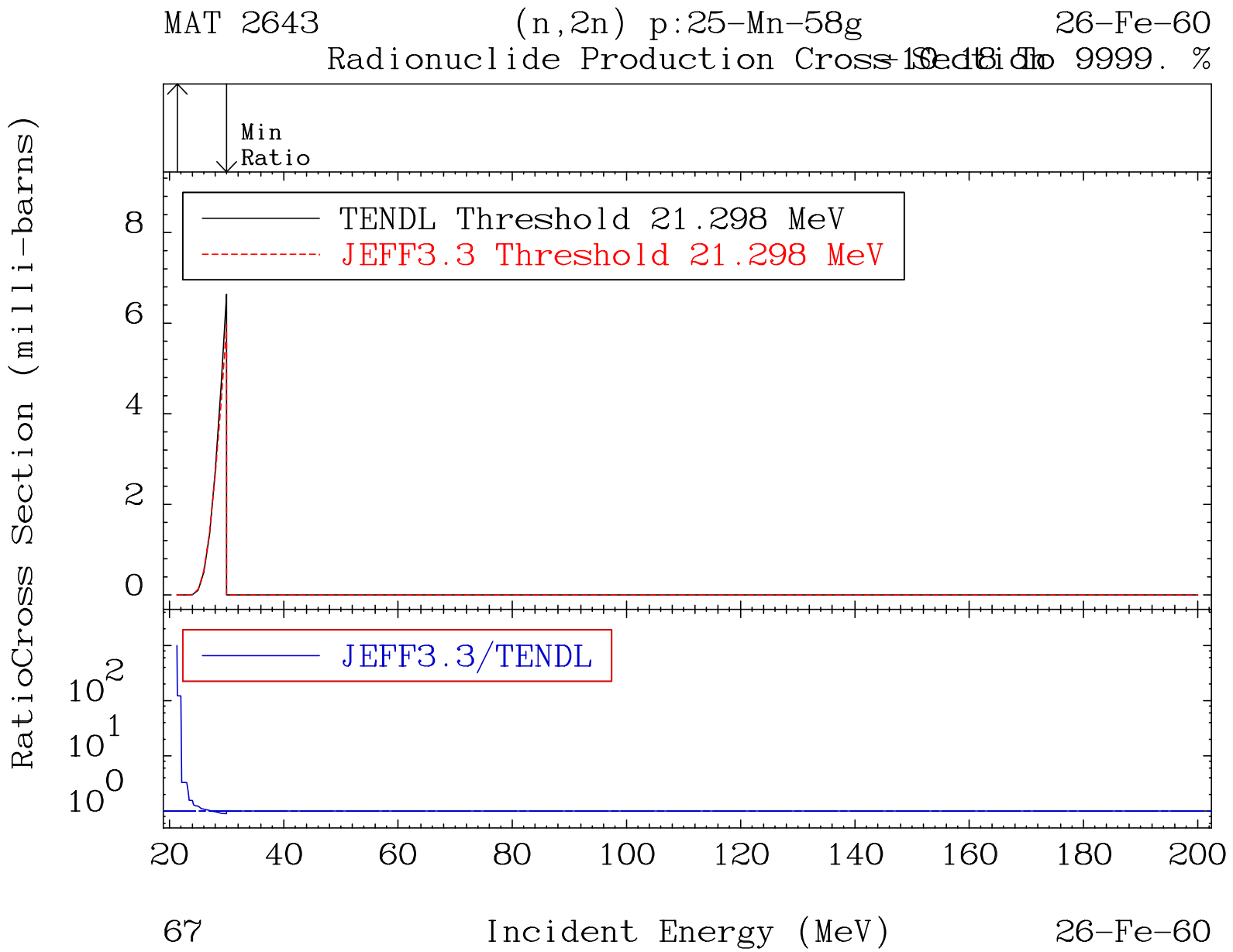

MAT 2643
Dpa elastic (mt2)
Cross Section
26-Fe-60
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 625.00 eV
JEFF3.3 Threshold 593.75 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
26-Fe-60

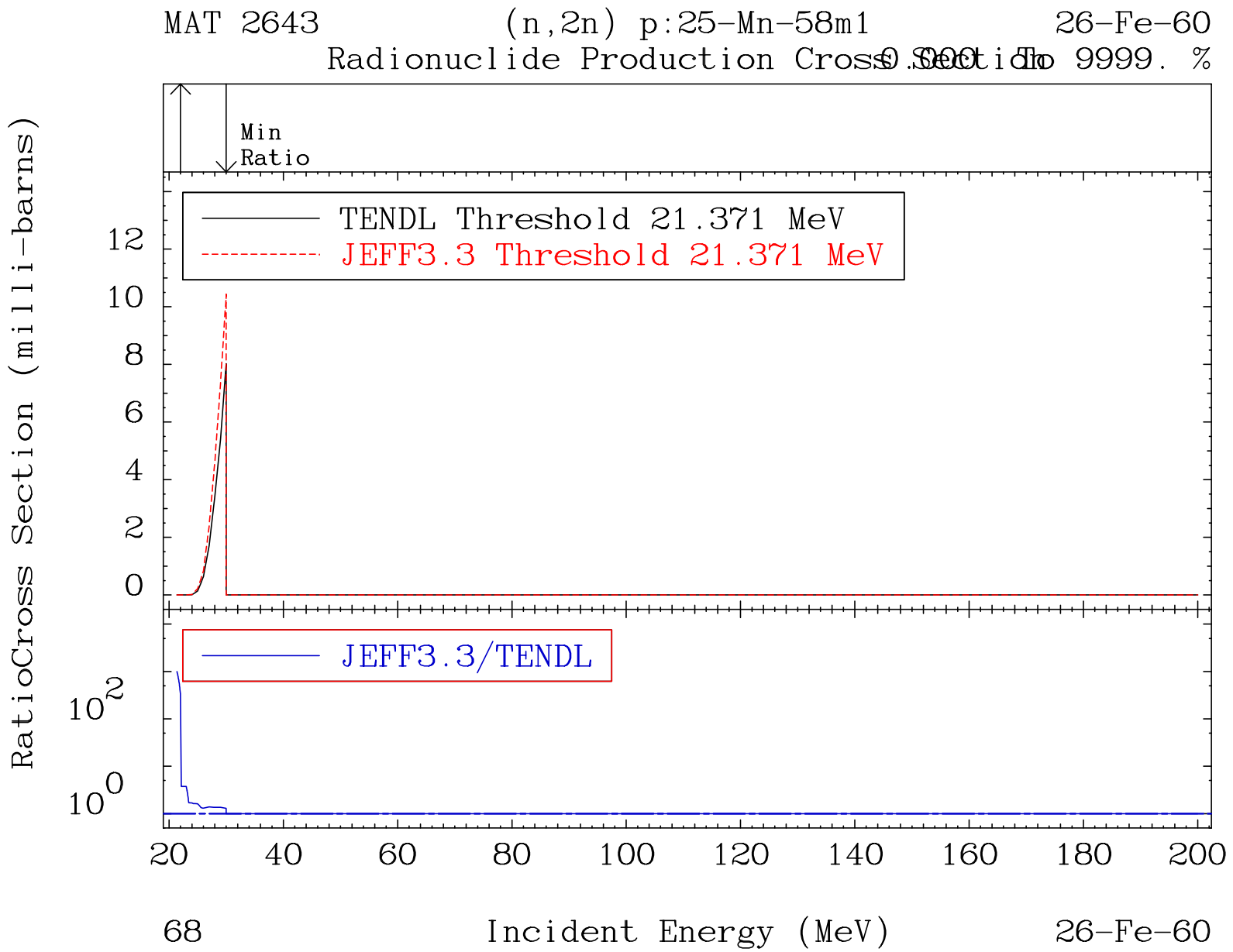

MAT 2643
Dpa inelastic (mt51-91)
26-Fe-60
Cross Section
-10.37 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 837.69 keV
JEFF3.3 Threshold 837.49 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
26-Fe-60

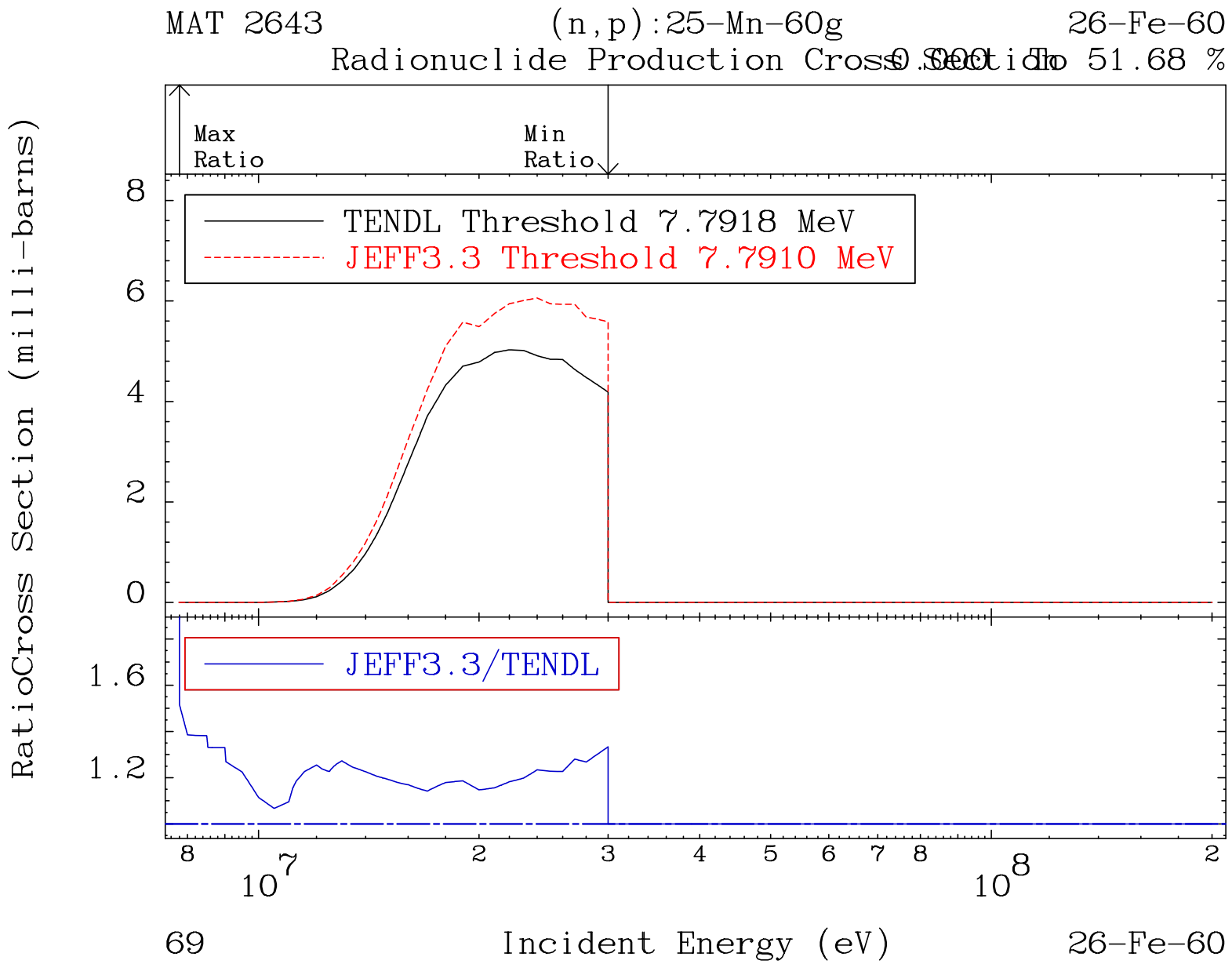

MAT 2643 Dpa disappearance (mt102 -120) 26-Fe-60
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
26-Fe-60

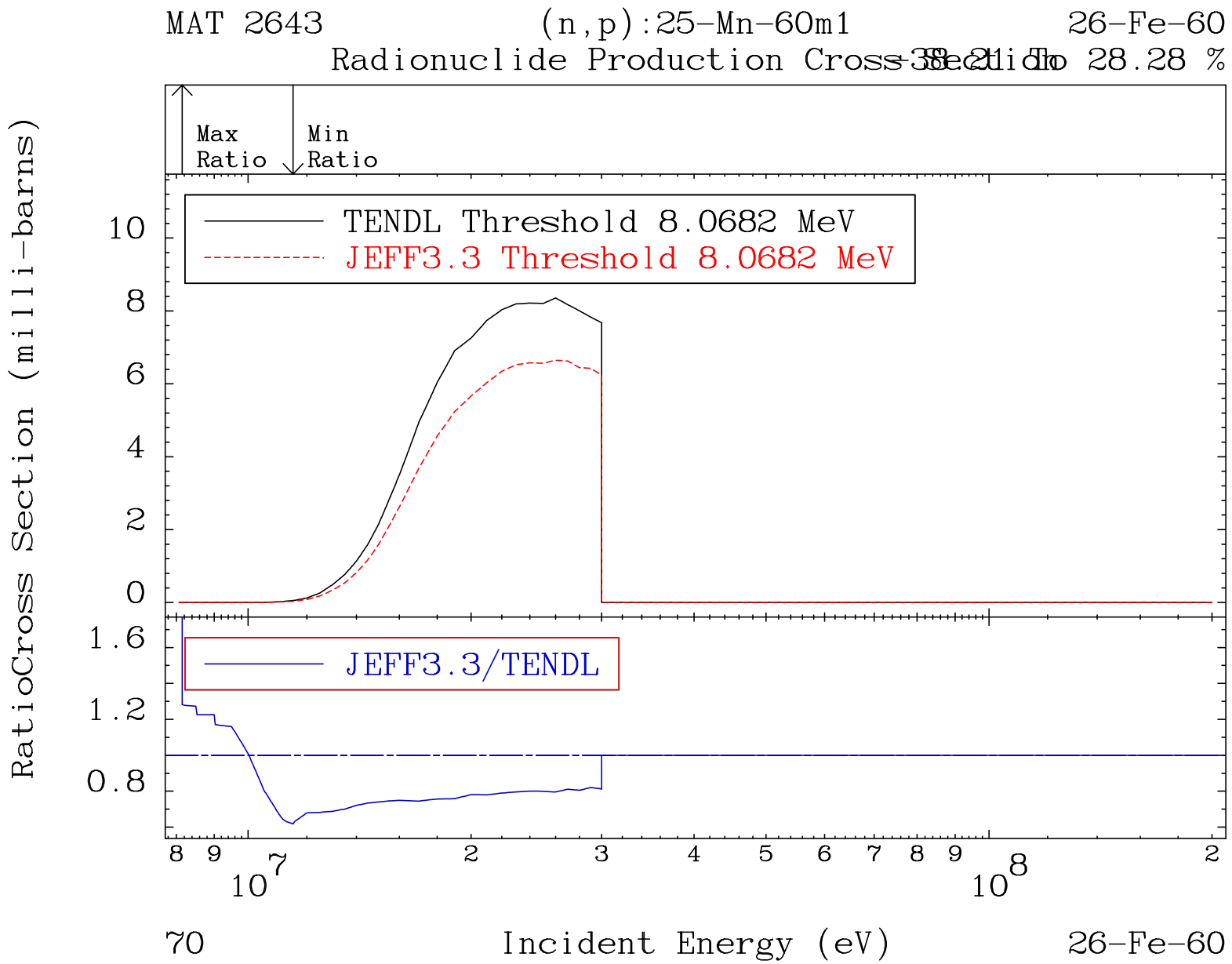

MAT 2643 (n,n') d:25-Mn-58g 26-Fe-60
Radionuclide Production Cross Section To 504.3 %
Max Ratio
Min Ratio
TENDL Threshold 19.036 MeV
JEFF3.3 Threshold 19.036 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
26-Fe-60

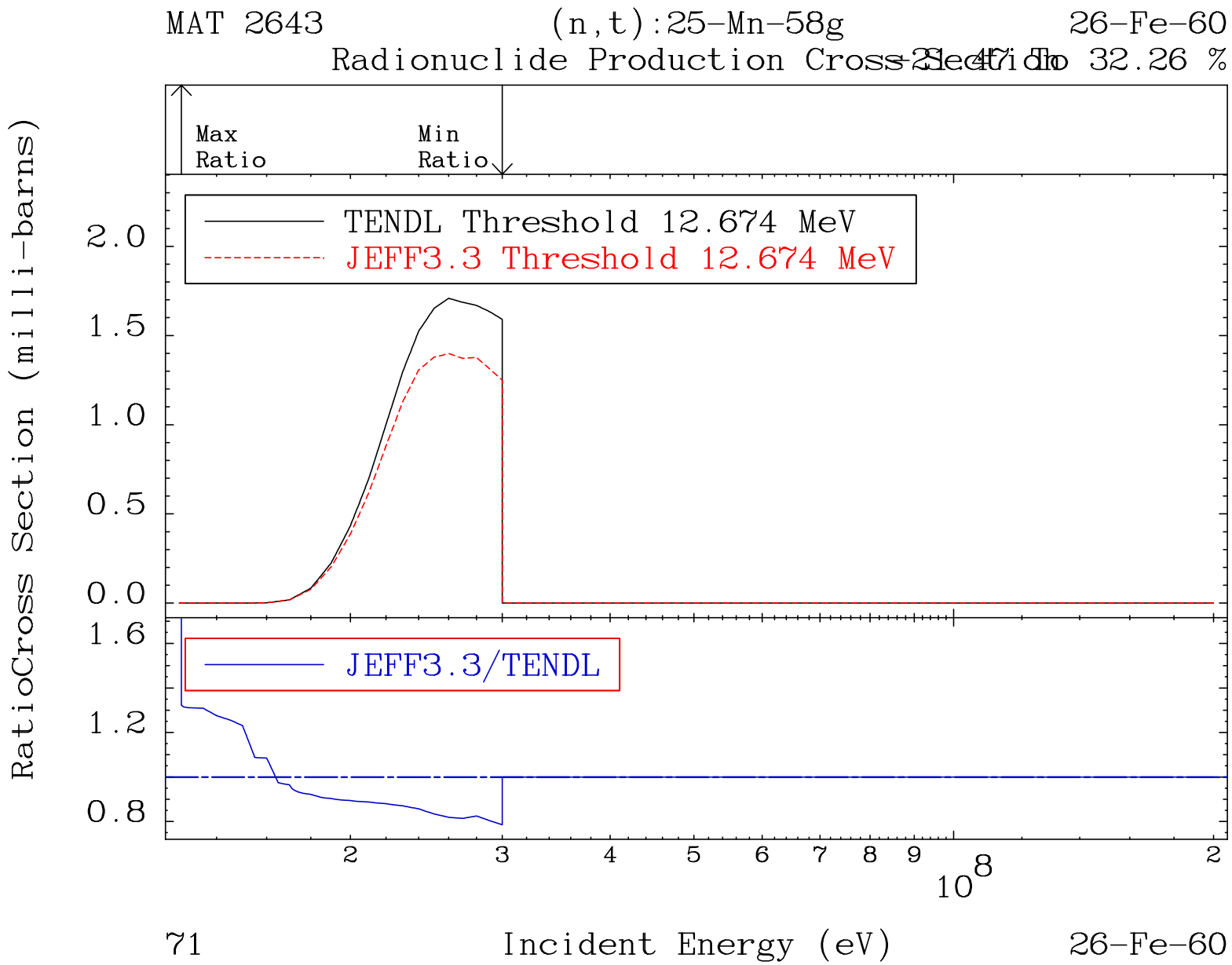

MAT 2643
(n,n') d:25-Mn-58m1
26-Fe-60
Radionuclide Production Cross Section
0.000 To 1026. %
Max Ratio
Min Ratio
TENDL Threshold 19.109 MeV
JEFF3.3 Threshold 19.109 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
26-Fe-60

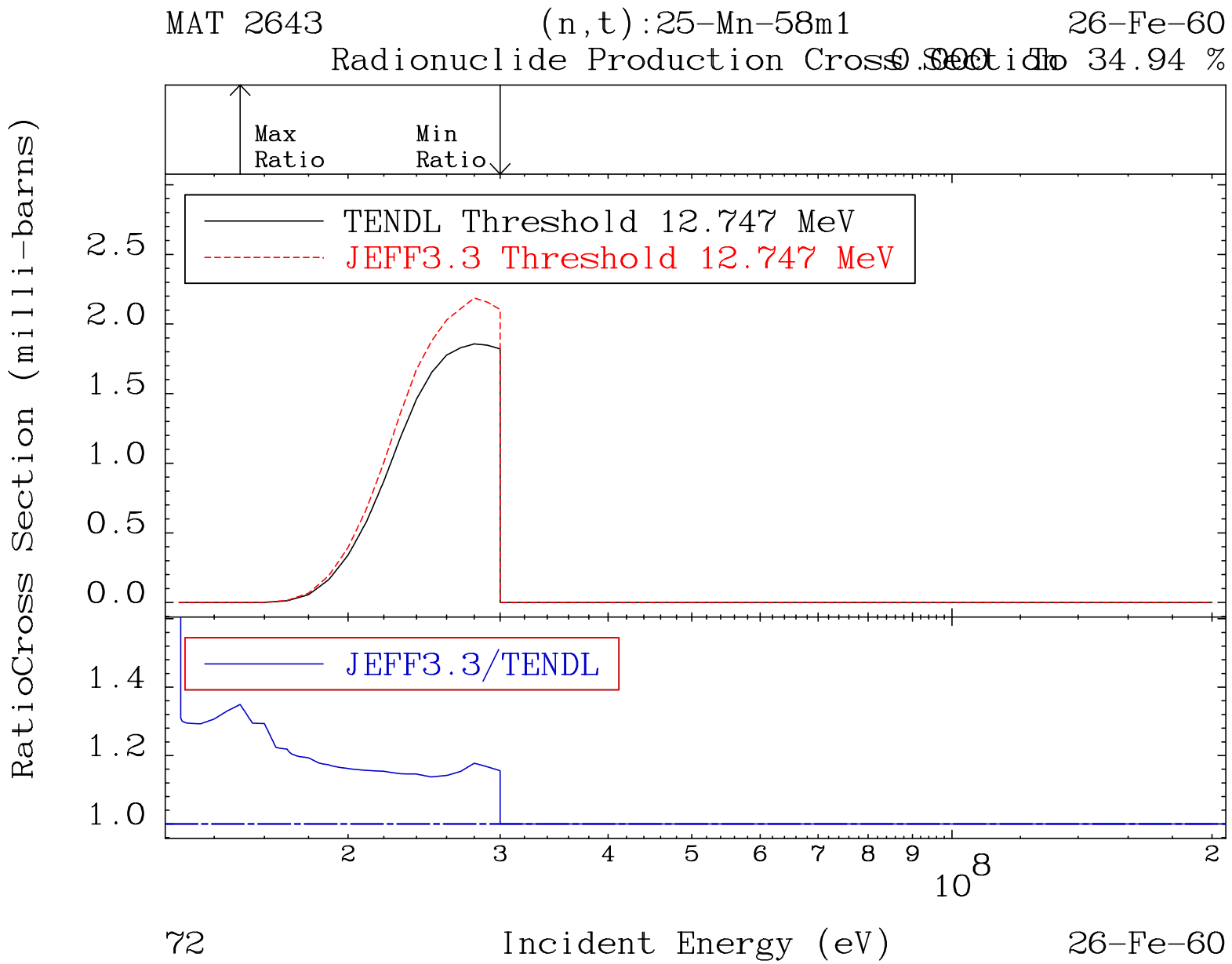

MAT 2643
(n,2n) p:25-Mn-58g
26-Fe-60
Radionuclide Production Cross Section To 9999. %
Min
Ratio
TENDL Threshold 21.298 MeV
JEFF3.3 Threshold 21.298 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
$10^2$
$10^1$
$10^0$
20
40
60
80
100
120
140
160
180
200
67
Incident Energy (MeV)
26-Fe-60


MAT 2643 (n,2n) p:25-Mn-58m1 26-Fe-60
Radionuclide Production Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 21.371 MeV
JEFF3.3 Threshold 21.371 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
10
12
$10^2$
$10^0$
20
40
60
80
100
120
140
160
180
200
68
Incident Energy (MeV)
26-Fe-60


MAT 2643
(n,p):25-Mn-60g
26-Fe-60
Radionuclide Production Cross Section
0.000 To 51.68 %
Max Ratio
Min Ratio
TENDL Threshold 7.7918 MeV
JEFF3.3 Threshold 7.7910 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
1.6
1.2
8
2
3
4
5
6
7
8
2
10^7
10^8
69
Incident Energy (eV)
26-Fe-60


MAT 2643
(n,p):25-Mn-60m1
26-Fe-60
Radionuclide Production Cross Section To 28.28 %
Max Ratio
Min Ratio
TENDL Threshold 8.0682 MeV
JEFF3.3 Threshold 8.0682 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
26-Fe-60


MAT 2643
(n,t):25-Mn-58g
26-Fe-60
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 12.674 MeV
JEFF3.3 Threshold 12.674 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
2
10^8
71
Incident Energy (eV)
26-Fe-60


MAT 2643
(n,t):25-Mn-58m1
26-Fe-60
Radionuclide Production Cross Section
0.000 To 34.94 %
Max Ratio
Min Ratio
TENDL Threshold 12.747 MeV
JEFF3.3 Threshold 12.747 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
1.4
1.2
1.0
2
3
4
5
6
7
8
9
2
10^8
72
Incident Energy (eV)
26-Fe-60