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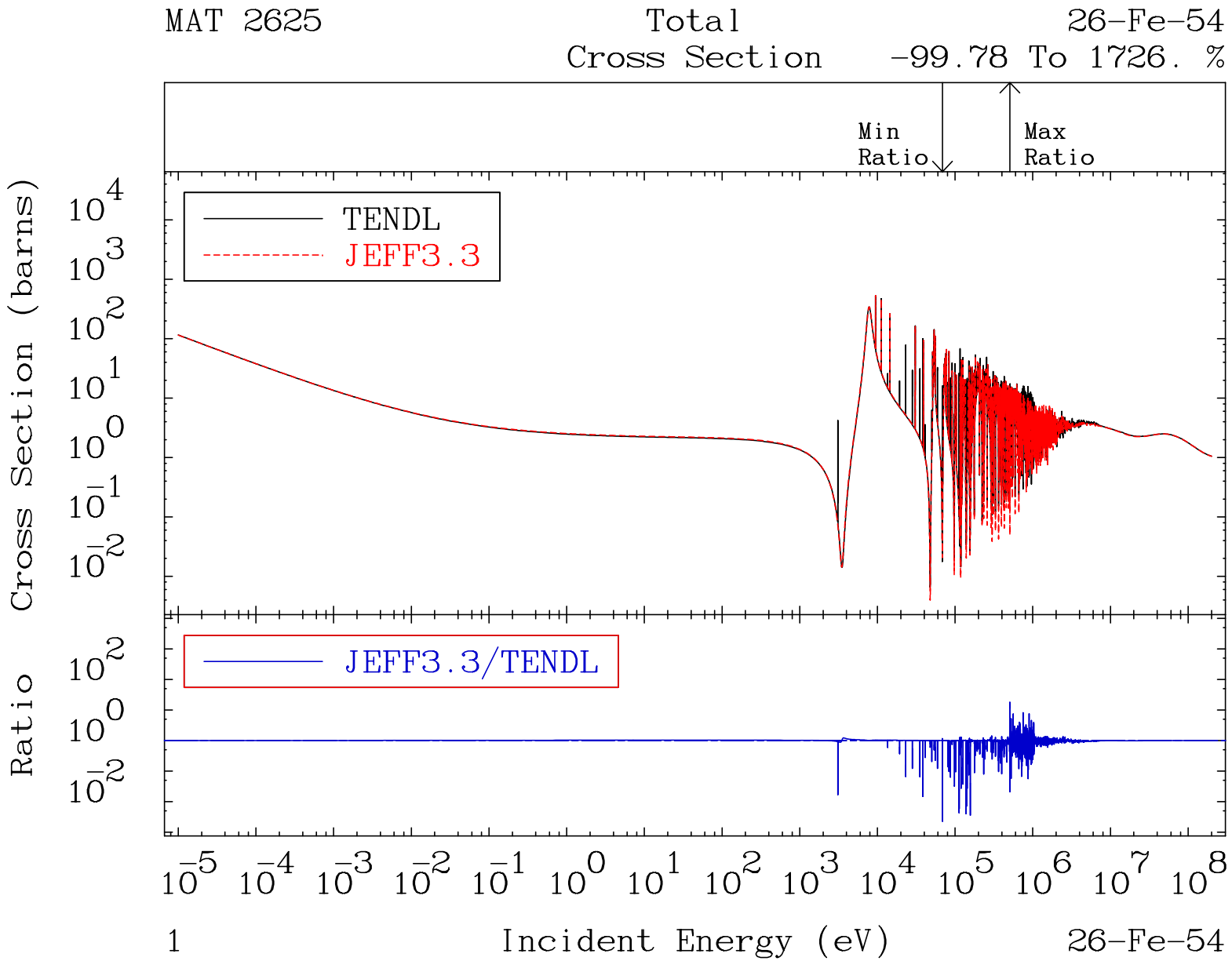
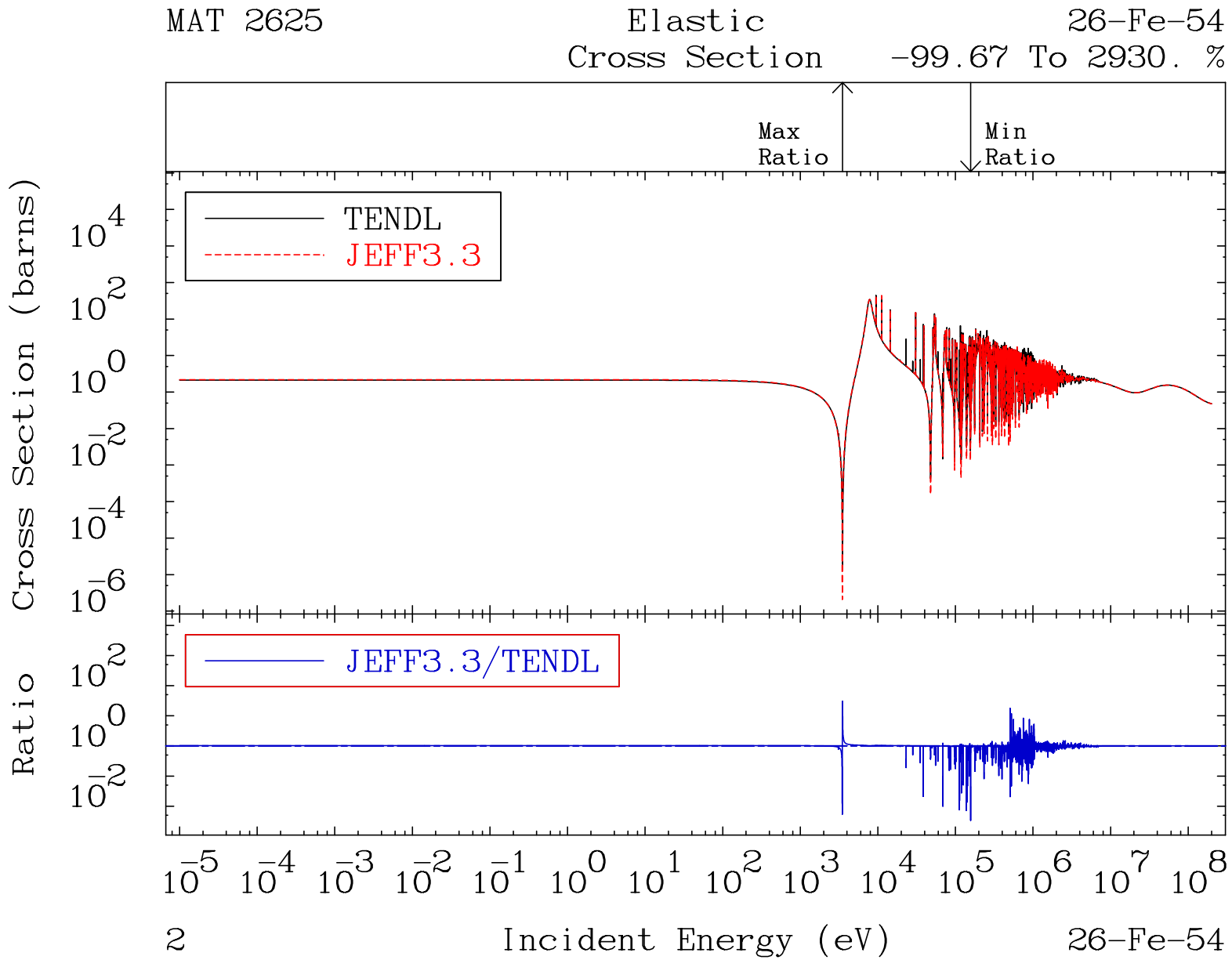
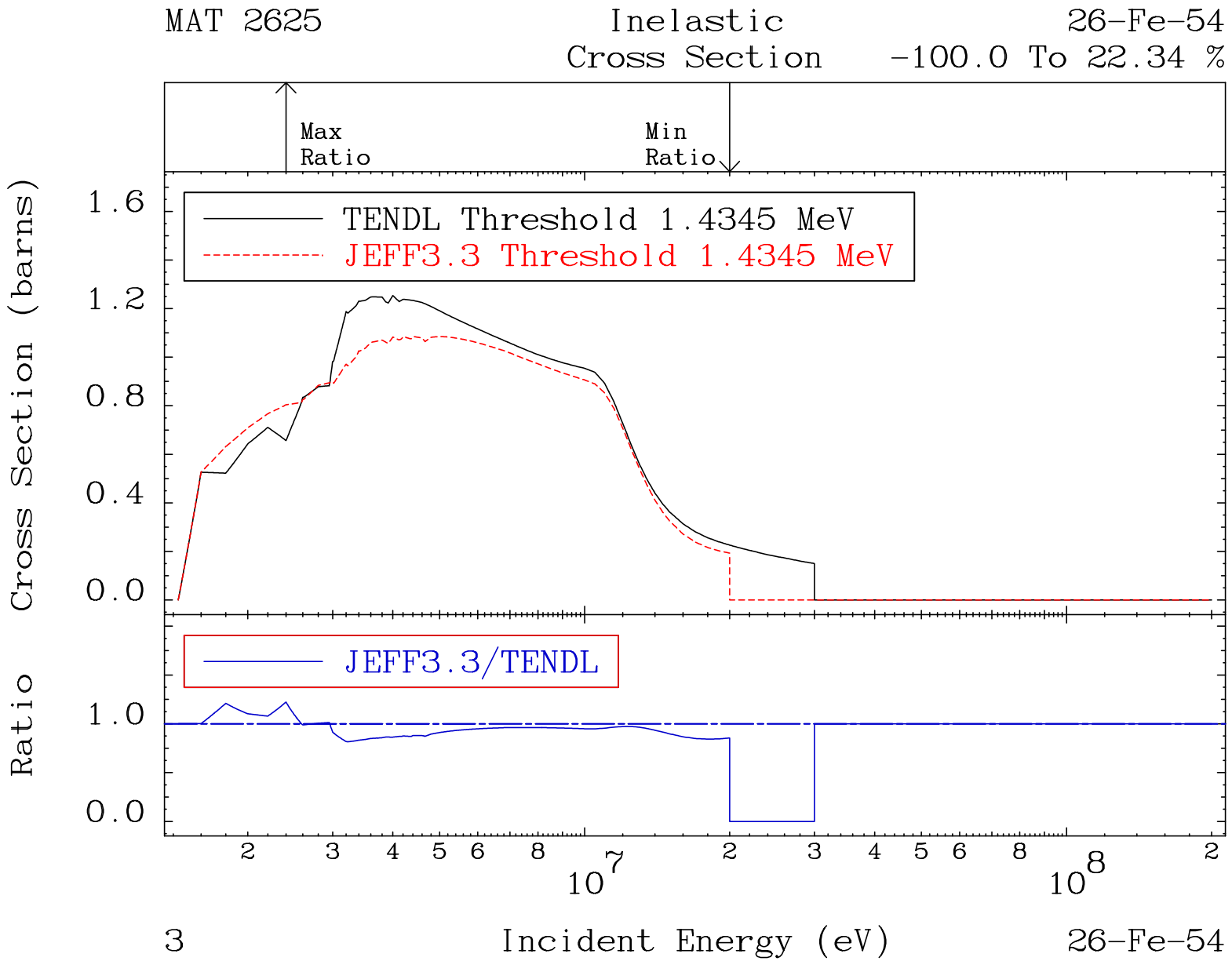
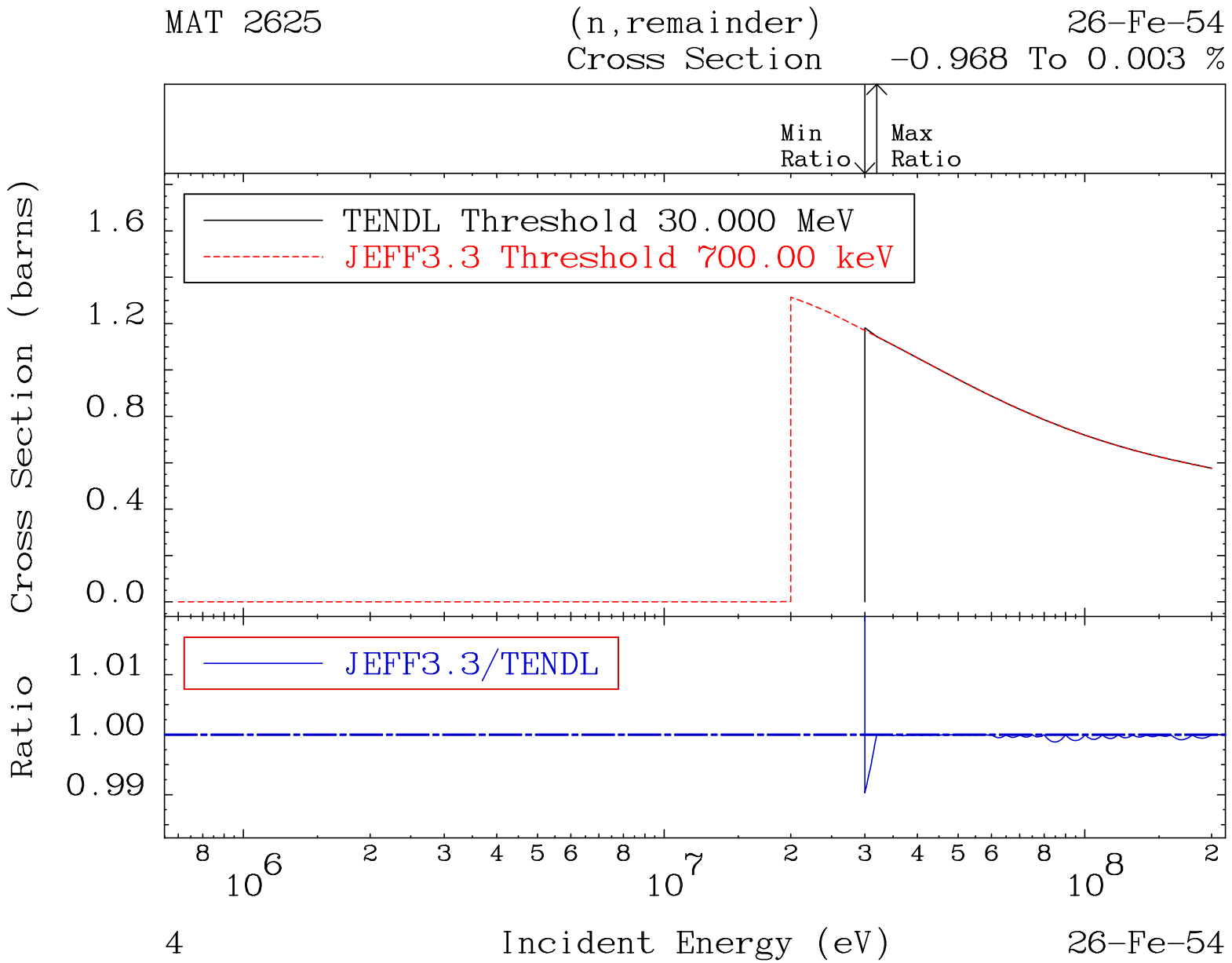
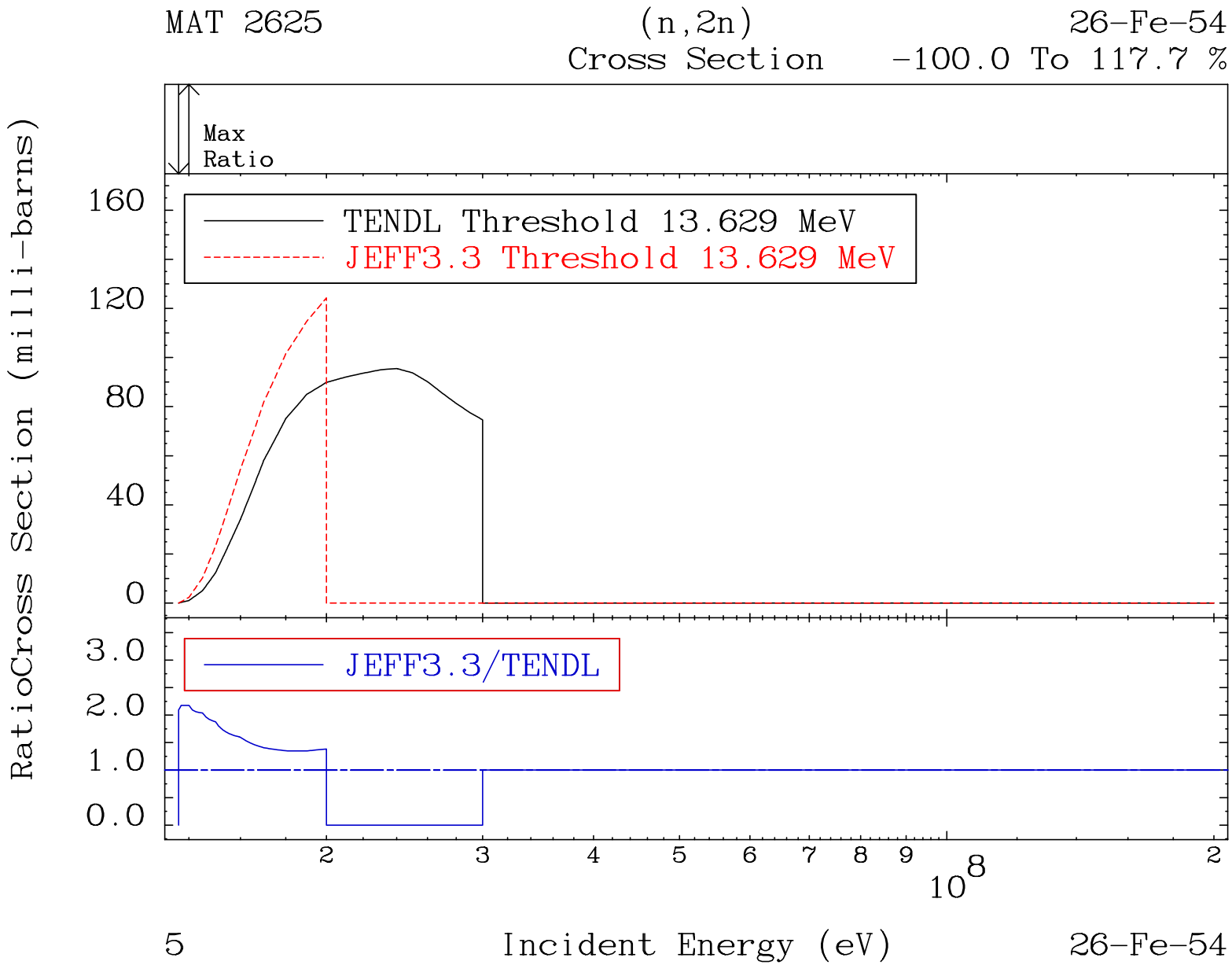
Press Mouse Button to Start

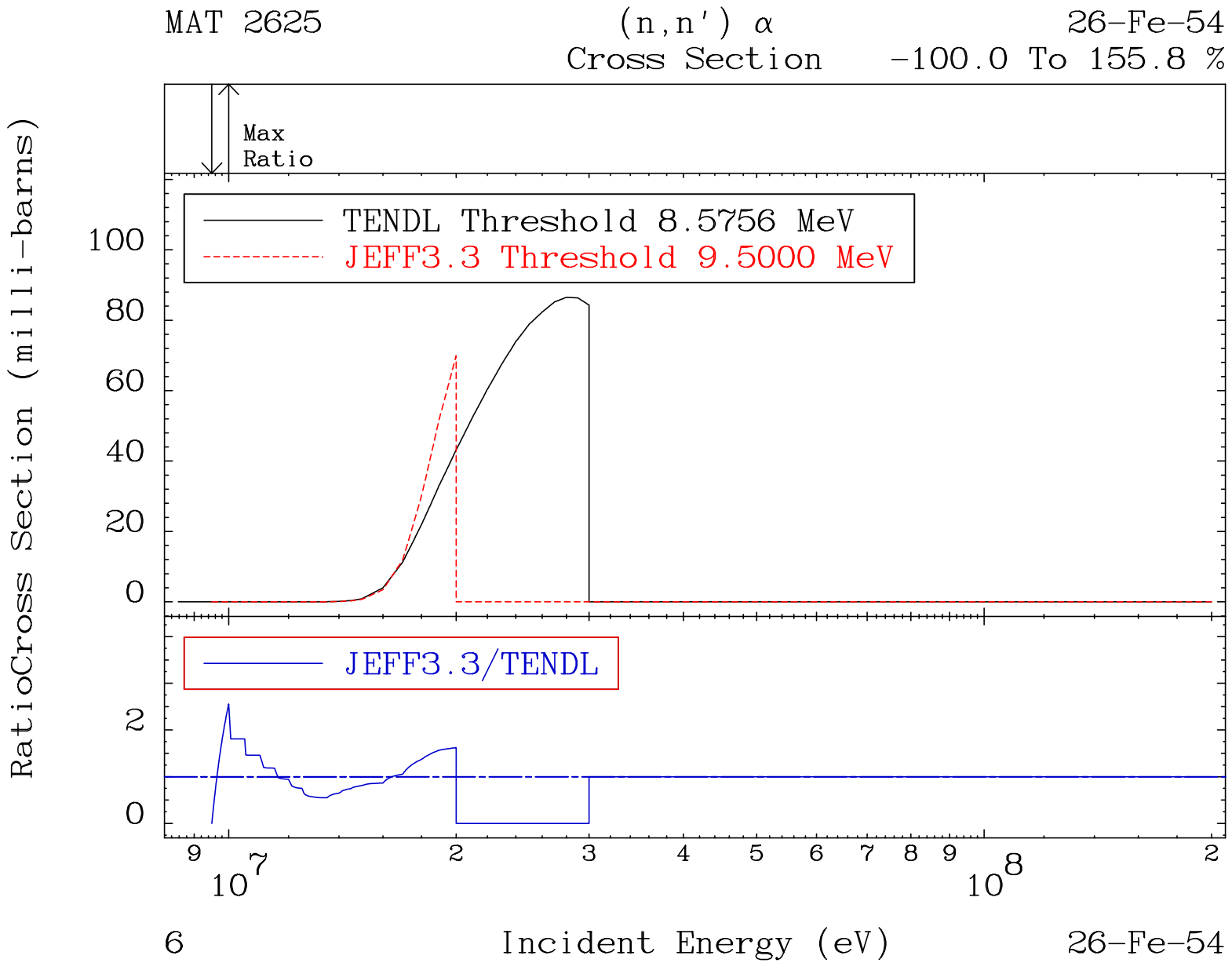

MAT 2625
Total
Cross Section
26-Fe-54
-99.78 To 1726. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
26-Fe-54

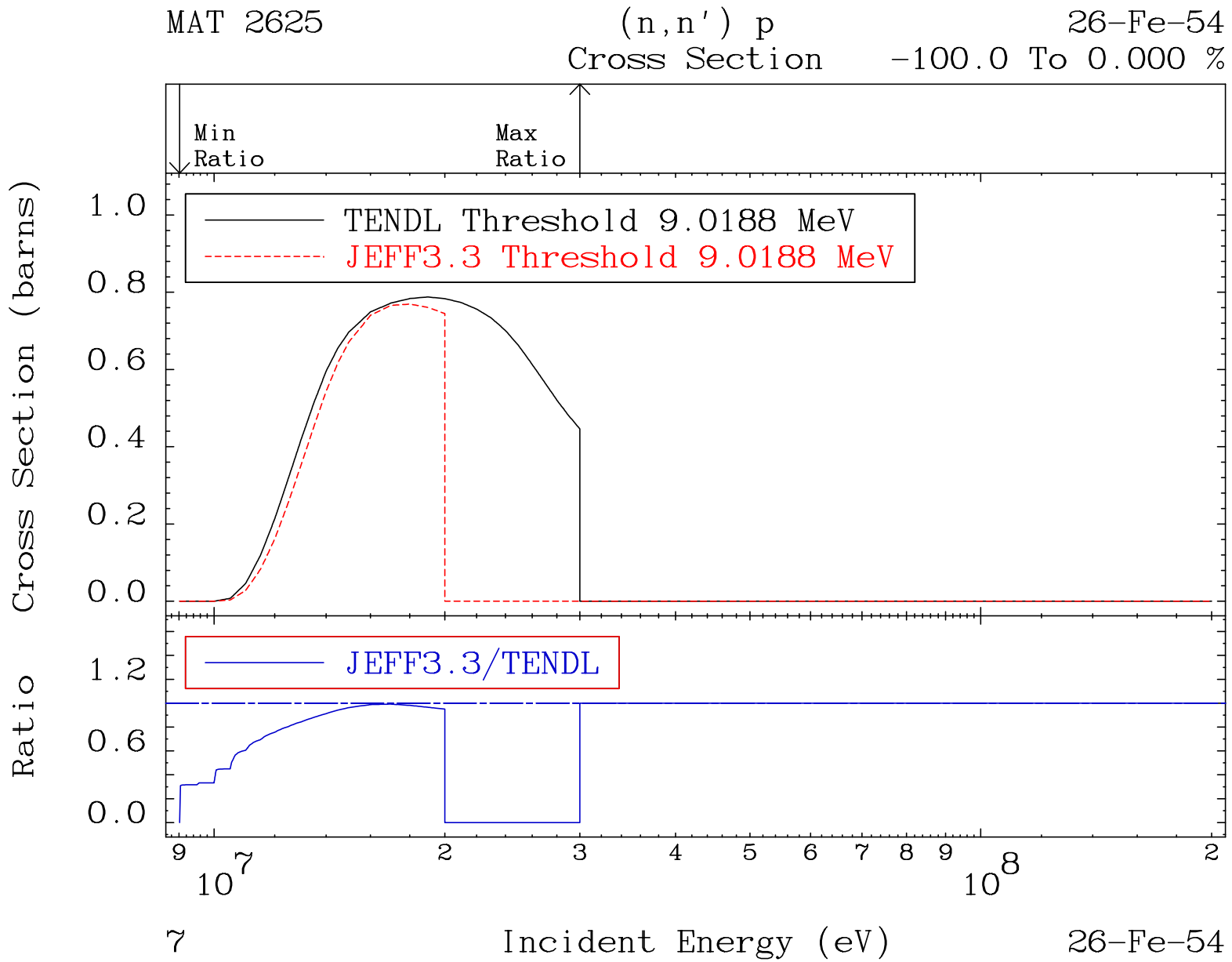

MAT 2625
Elastic
Cross Section
26-Fe-54
-99.67 To 2930. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
26-Fe-54

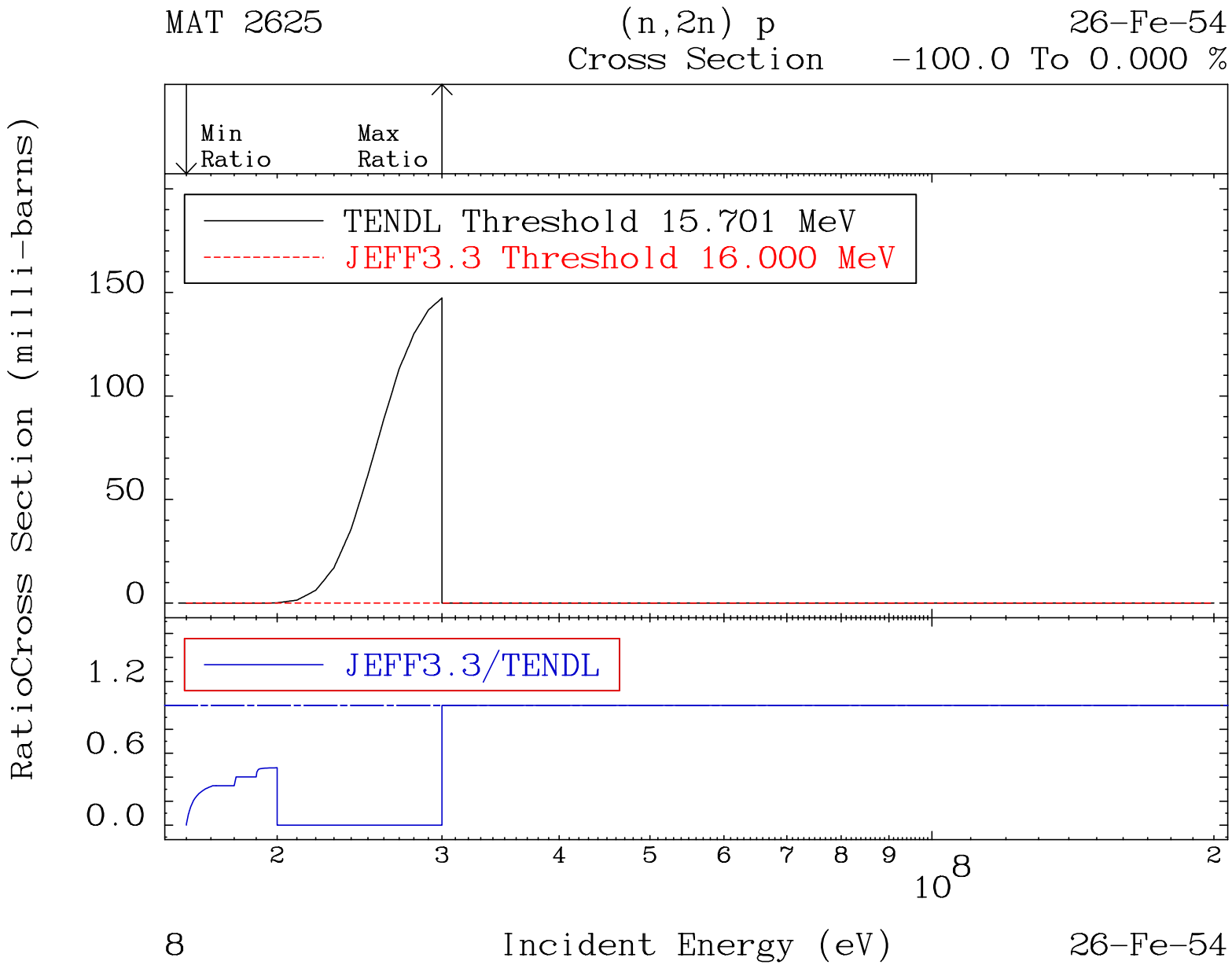

MAT 2625
Inelastic
Cross Section
26-Fe-54
-100.0 To 22.34 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.4345 MeV
JEFF3.3 Threshold 1.4345 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
26-Fe-54

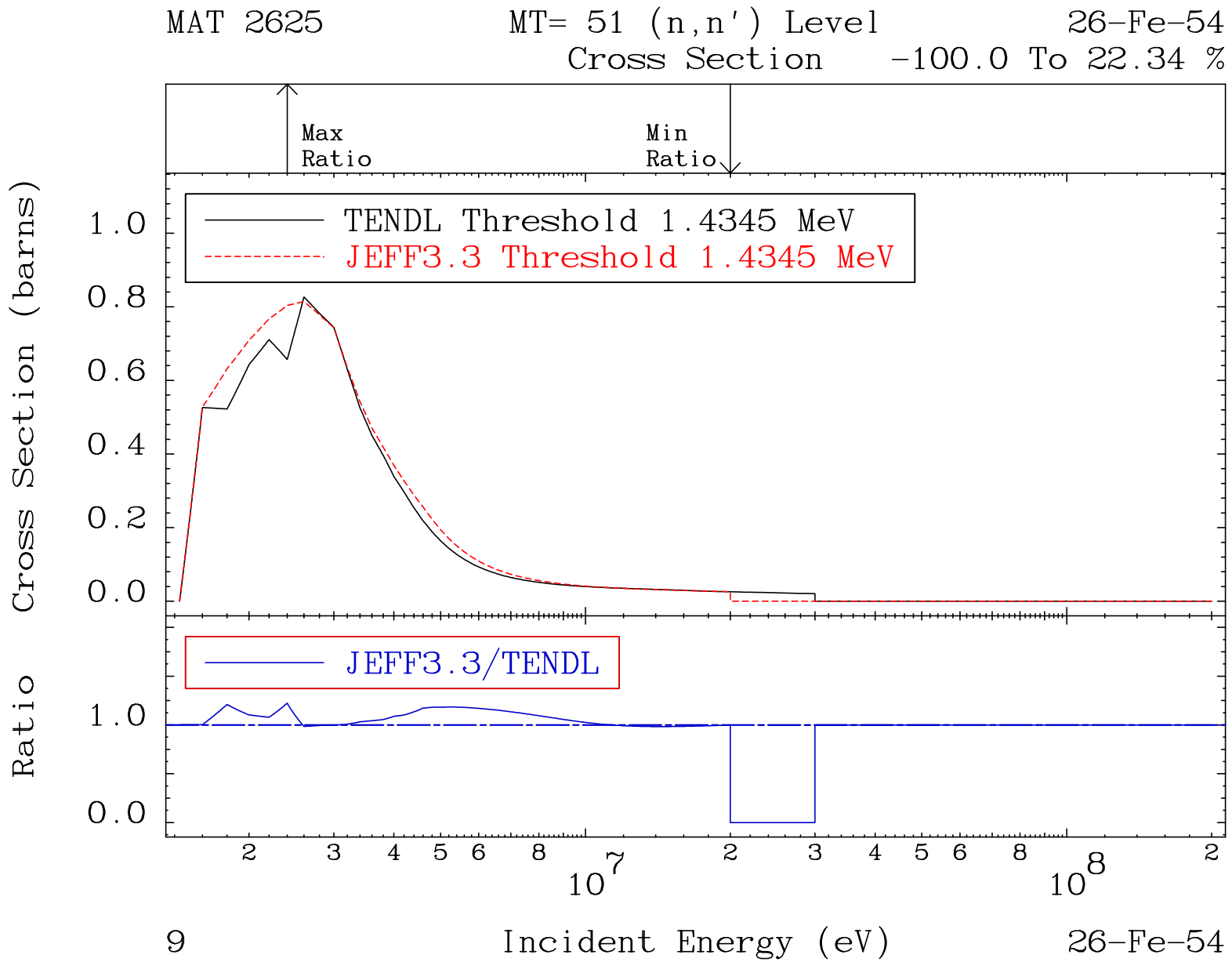

MAT 2625
(n,remainder)
Cross Section
26-Fe-54
-0.968 To 0.003 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JEFF3.3 Threshold 700.00 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
4
Incident Energy (eV)
26-Fe-54

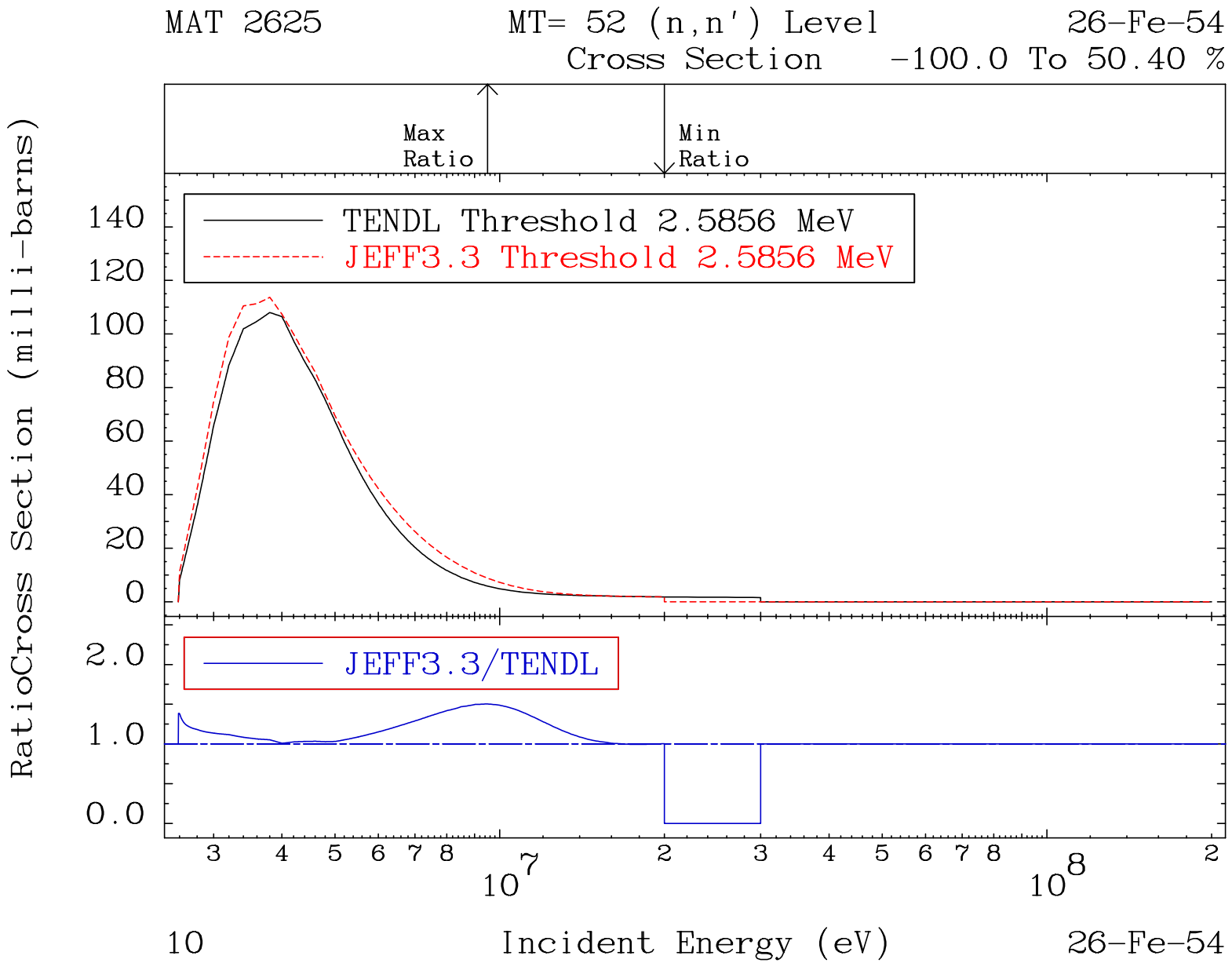

MAT 2625
(n,2n)
Cross Section
26-Fe-54
-100.0 To 117.7 %
Max
Ratio
TENDL Threshold 13.629 MeV
JEFF3.3 Threshold 13.629 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
26-Fe-54

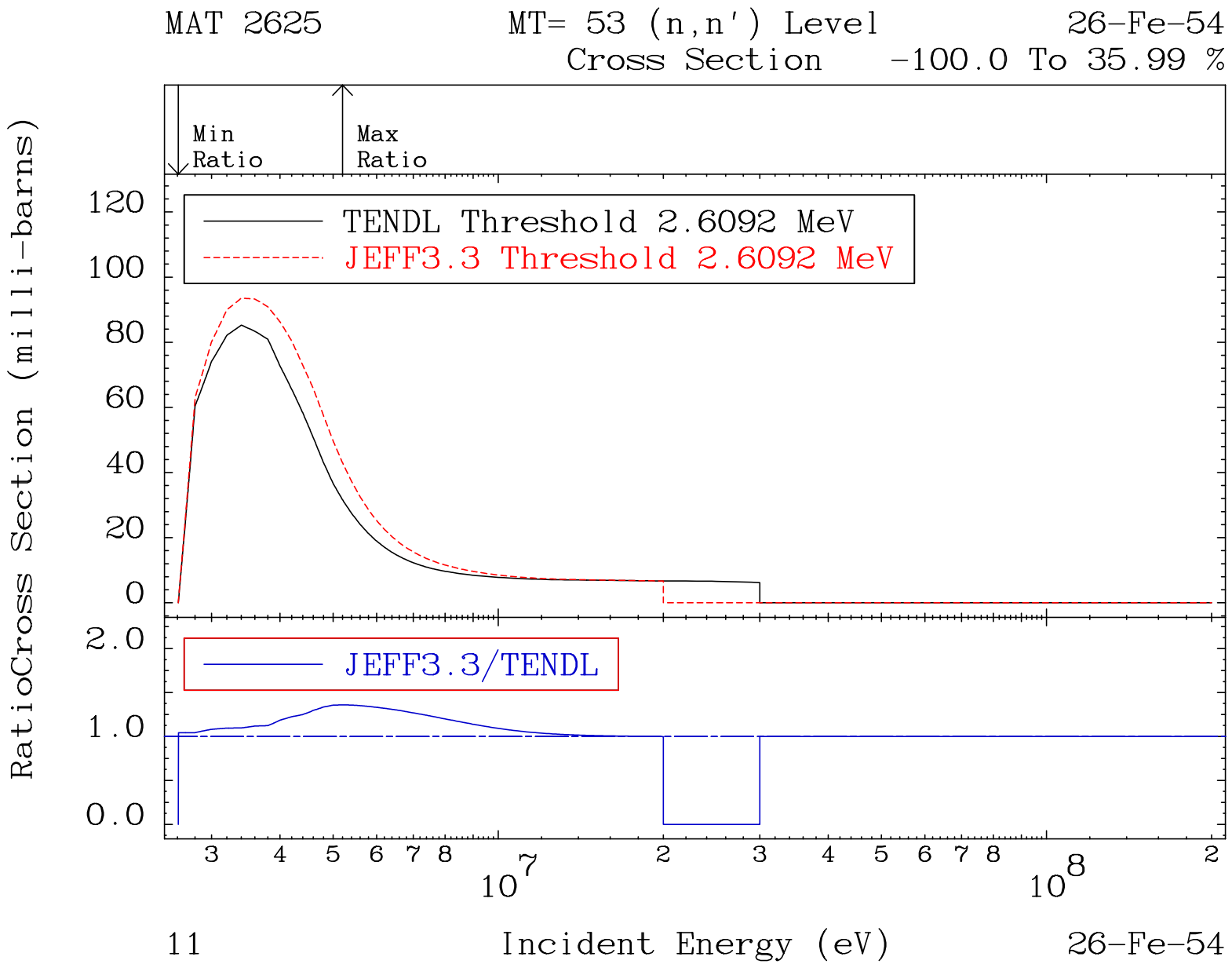

MAT 2625
(n,n') α
Cross Section
26-Fe-54
-100.0 To 155.8 %
Max
Ratio
TENDL Threshold 8.5756 MeV
JEFF3.3 Threshold 9.5000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
26-Fe-54

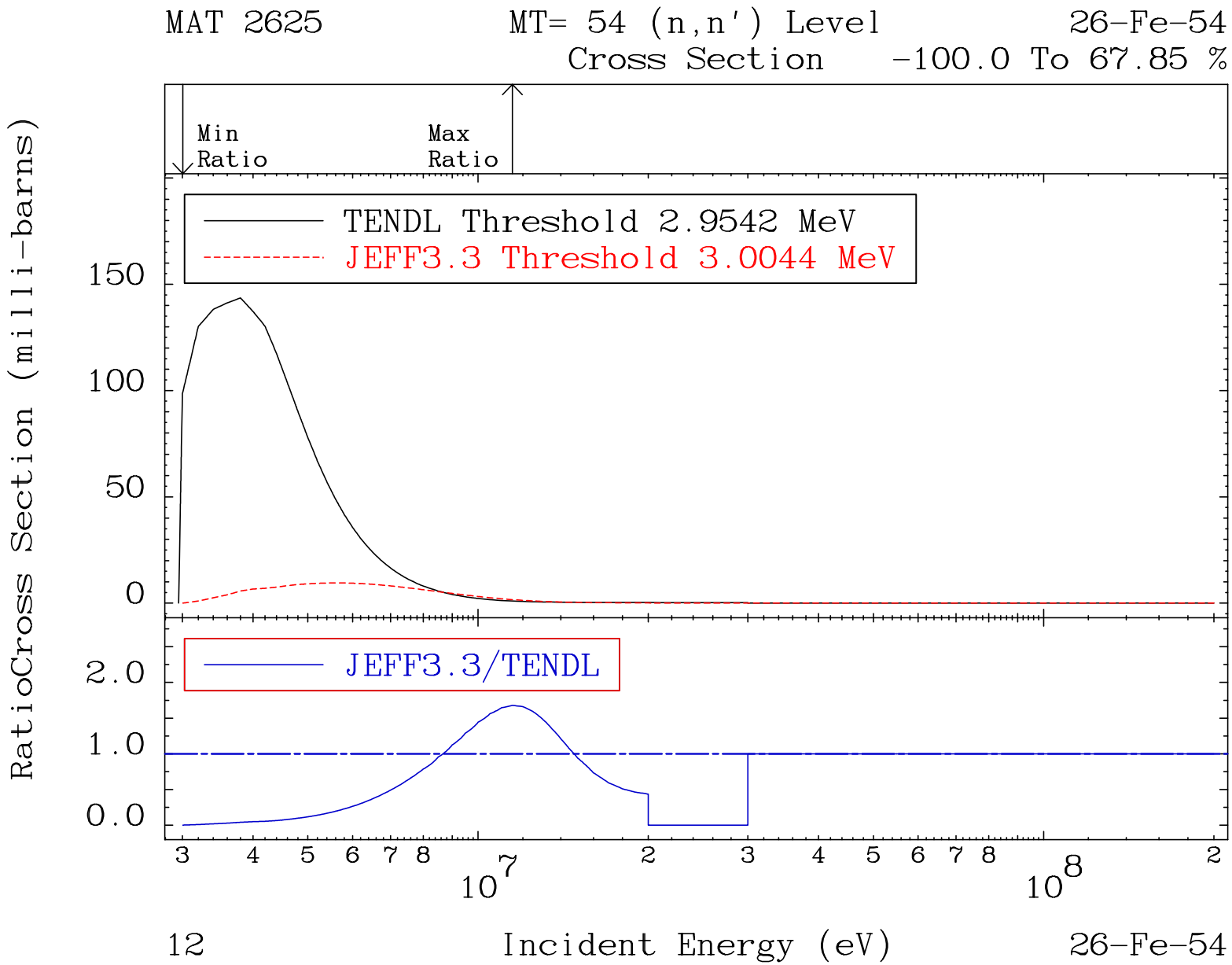

MAT 2625
(n,n') p
Cross Section
26-Fe-54
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.0188 MeV
JEFF3.3 Threshold 9.0188 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
26-Fe-54

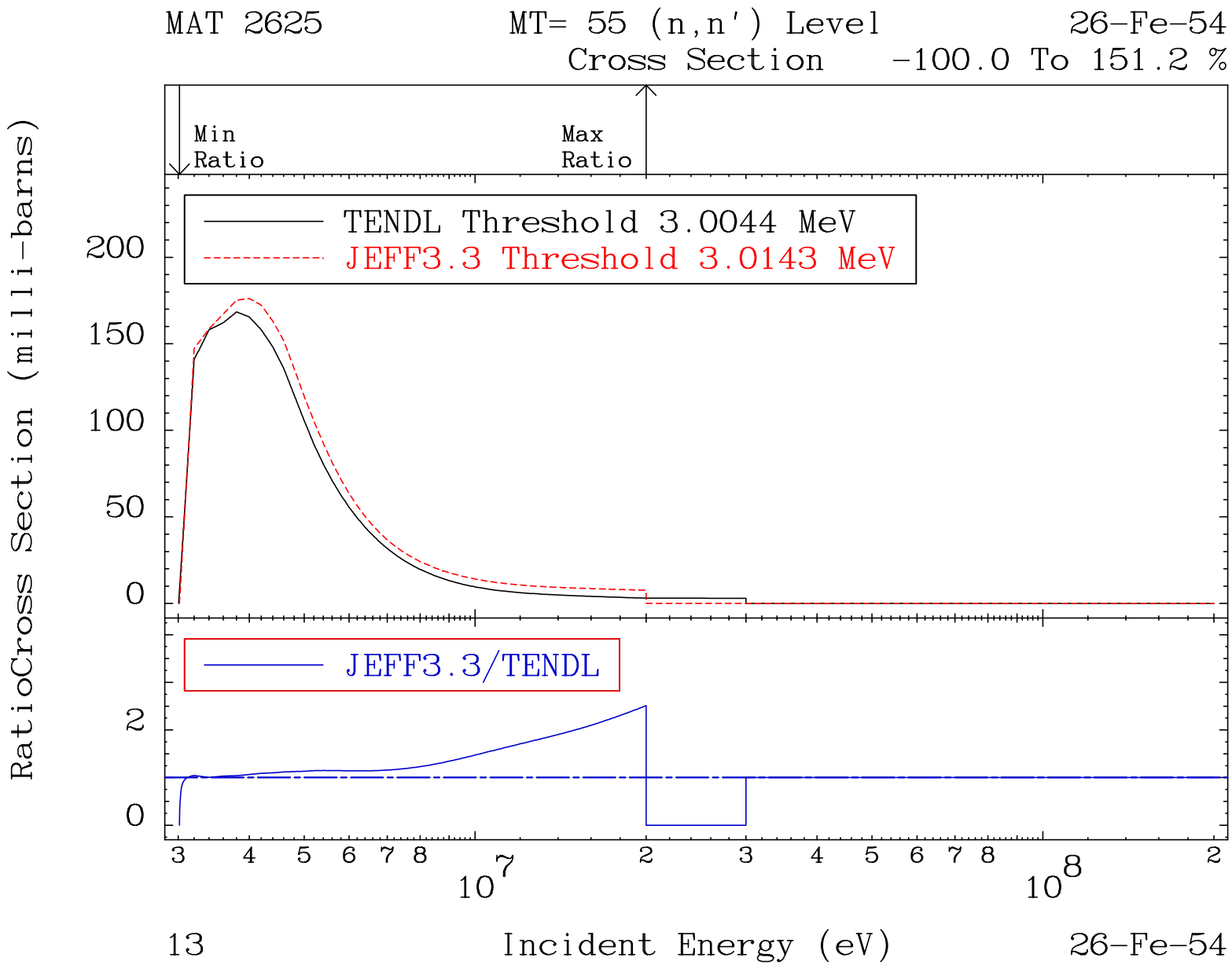

MAT 2625
(n,2n) p
Cross Section
26-Fe-54
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.701 MeV
JEFF3.3 Threshold 16.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
26-Fe-54

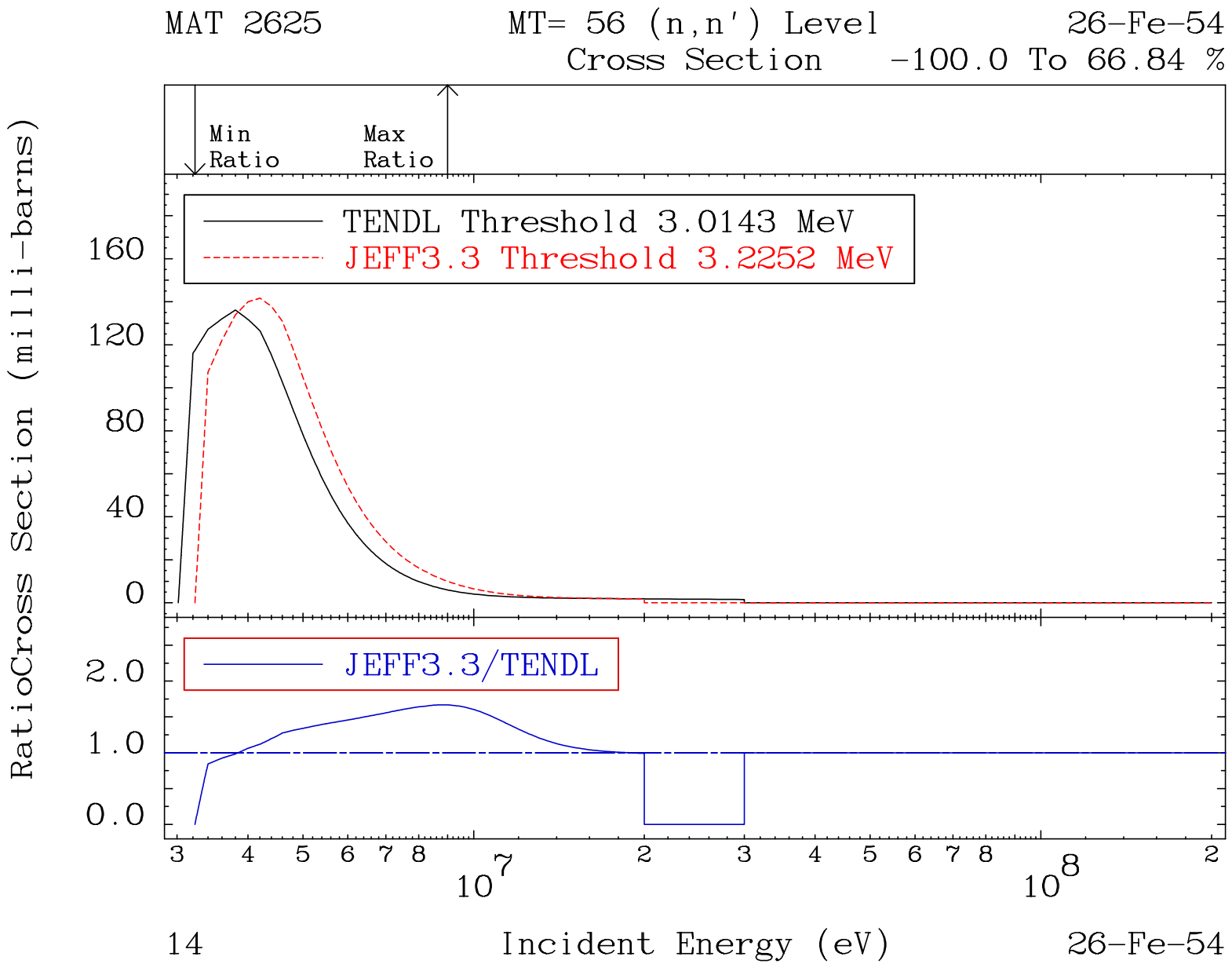

MAT 2625
MT= 51 (n,n') Level
Cross Section
26-Fe-54
-100.0 To 22.34 %
Max Ratio
Min Ratio
TENDL Threshold 1.4345 MeV
JEFF3.3 Threshold 1.4345 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
9
26-Fe-54

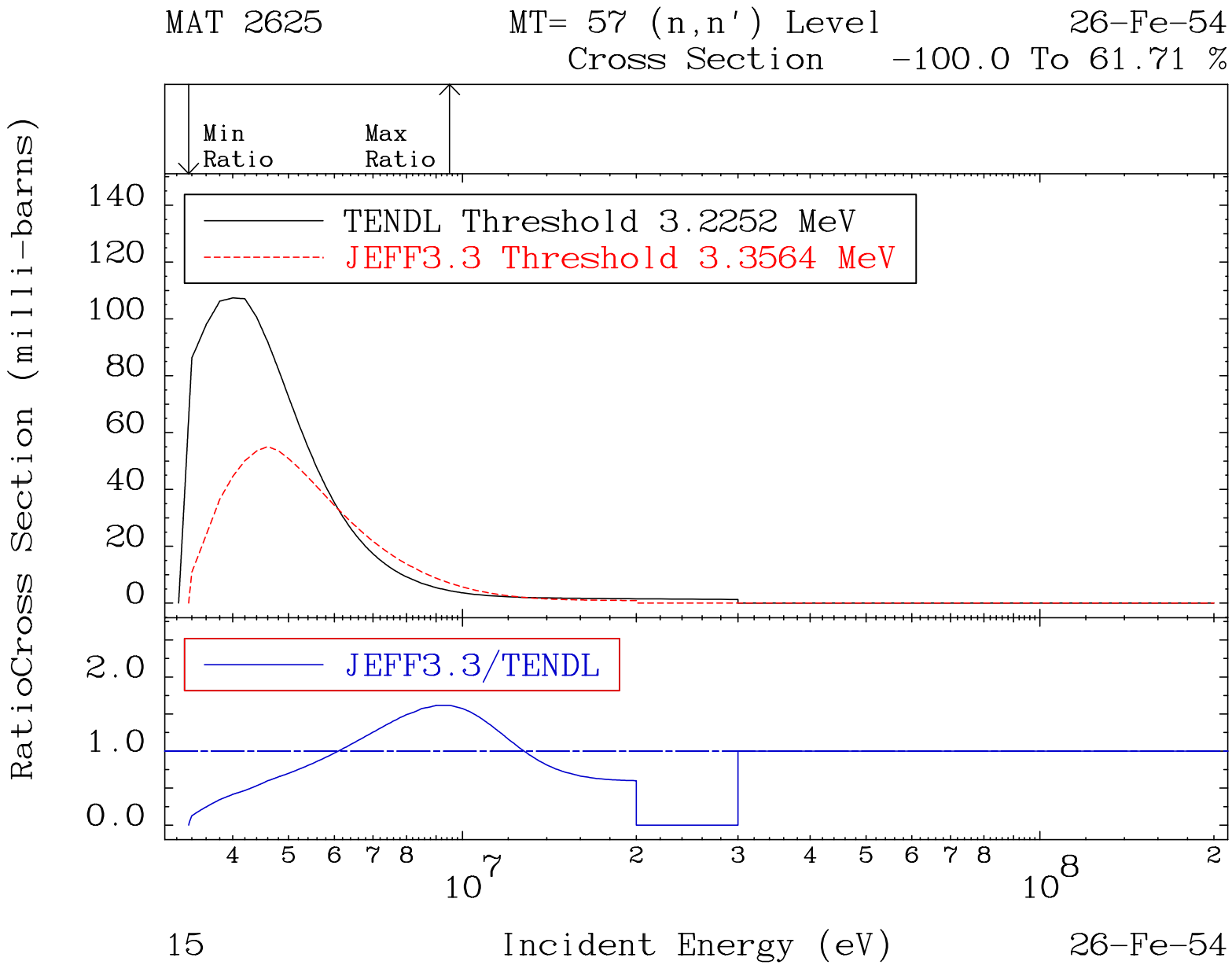

MAT 2625
MT= 52 (n,n') Level
26-Fe-54
Cross Section -100.0 To 50.40 %
Max Ratio
Min Ratio
TENDL Threshold 2.5856 MeV
JEFF3.3 Threshold 2.5856 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
26-Fe-54

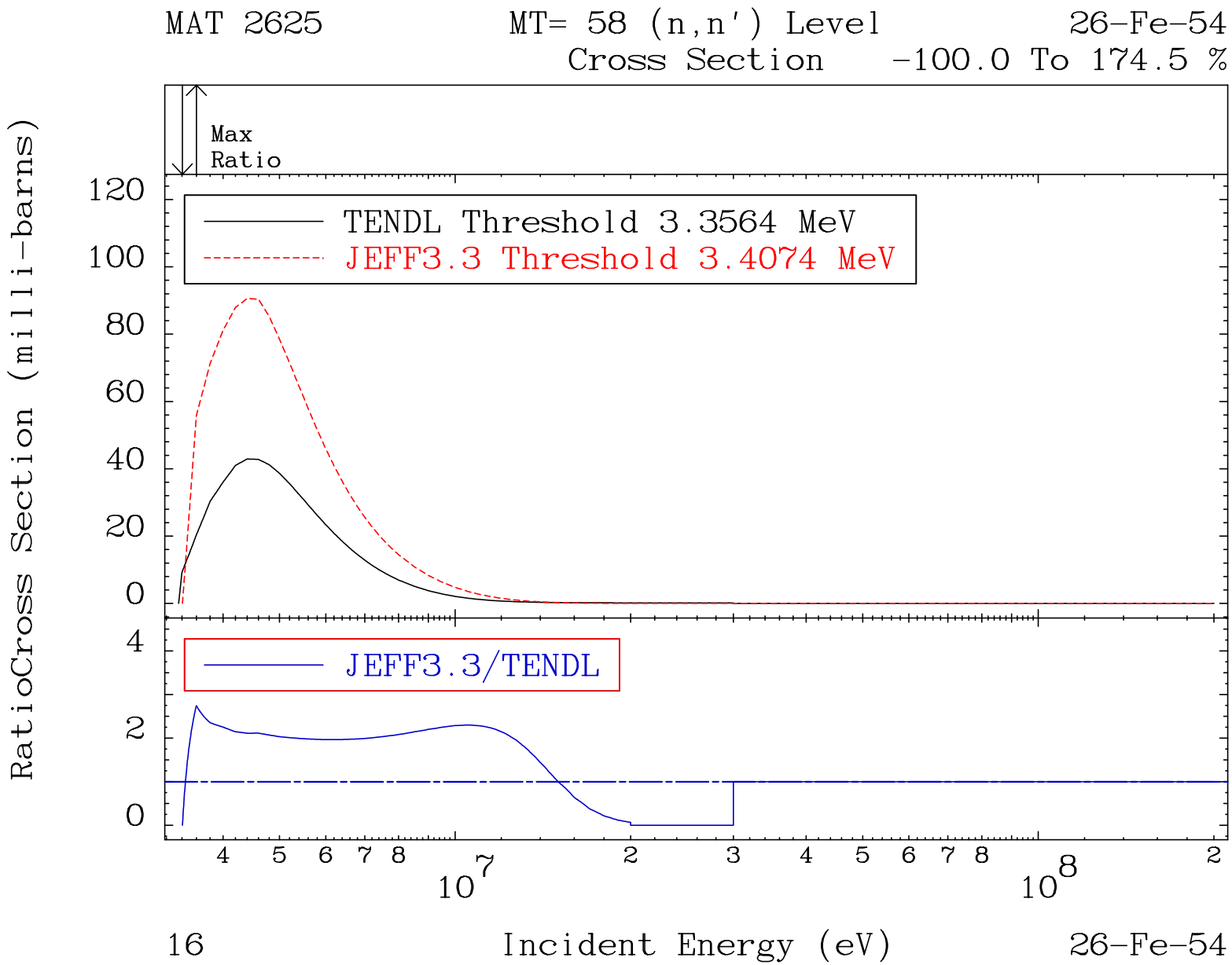

MAT 2625
MT= 53 (n,n') Level
26-Fe-54
Cross Section -100.0 To 35.99 %
Min Ratio
Max Ratio
TENDL Threshold 2.6092 MeV
JEFF3.3 Threshold 2.6092 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
26-Fe-54

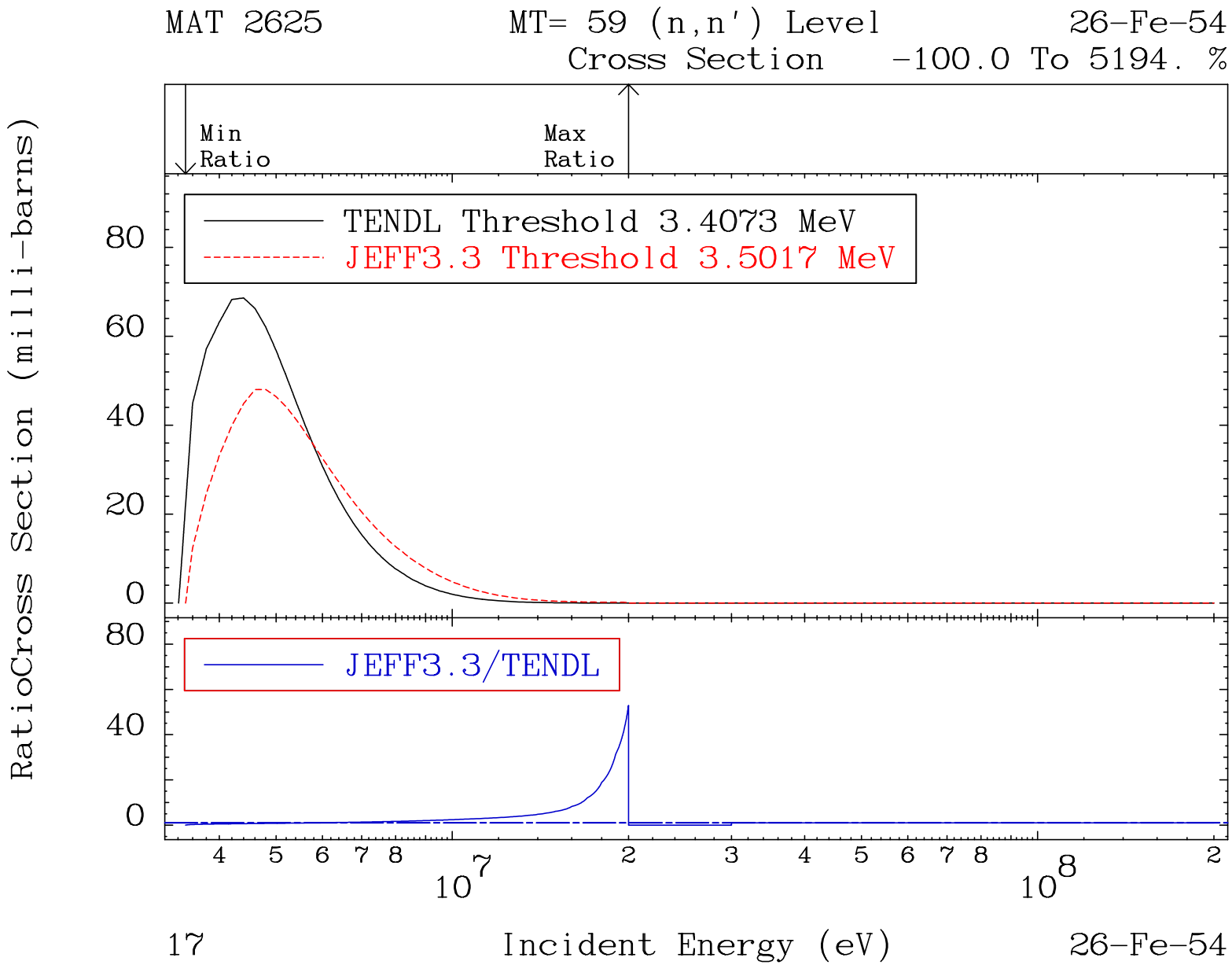

MAT 2625
MT= 54 (n,n') Level
26-Fe-54
Cross Section
-100.0 To 67.85 %
Min Ratio
Max Ratio
TENDL Threshold 2.9542 MeV
JEFF3.3 Threshold 3.0044 MeV
150
100
50
0
JEFF3.3/TENDL
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
12
Incident Energy (eV)
26-Fe-54

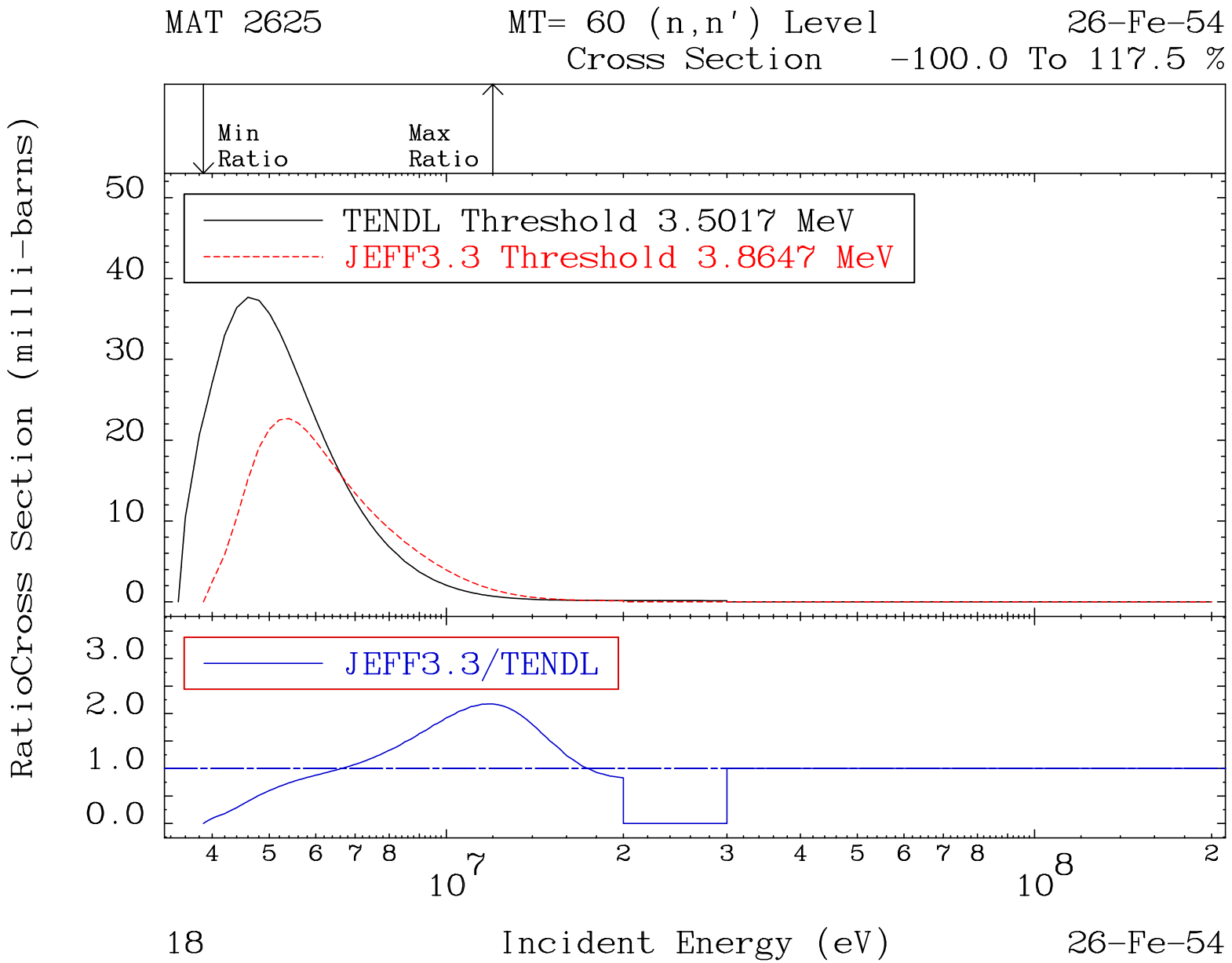

MAT 2625
MT= 55 (n,n') Level
26-Fe-54
Cross Section -100.0 To 151.2 %
Min Ratio
Max Ratio
TENDL Threshold 3.0044 MeV
JEFF3.3 Threshold 3.0143 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
26-Fe-54

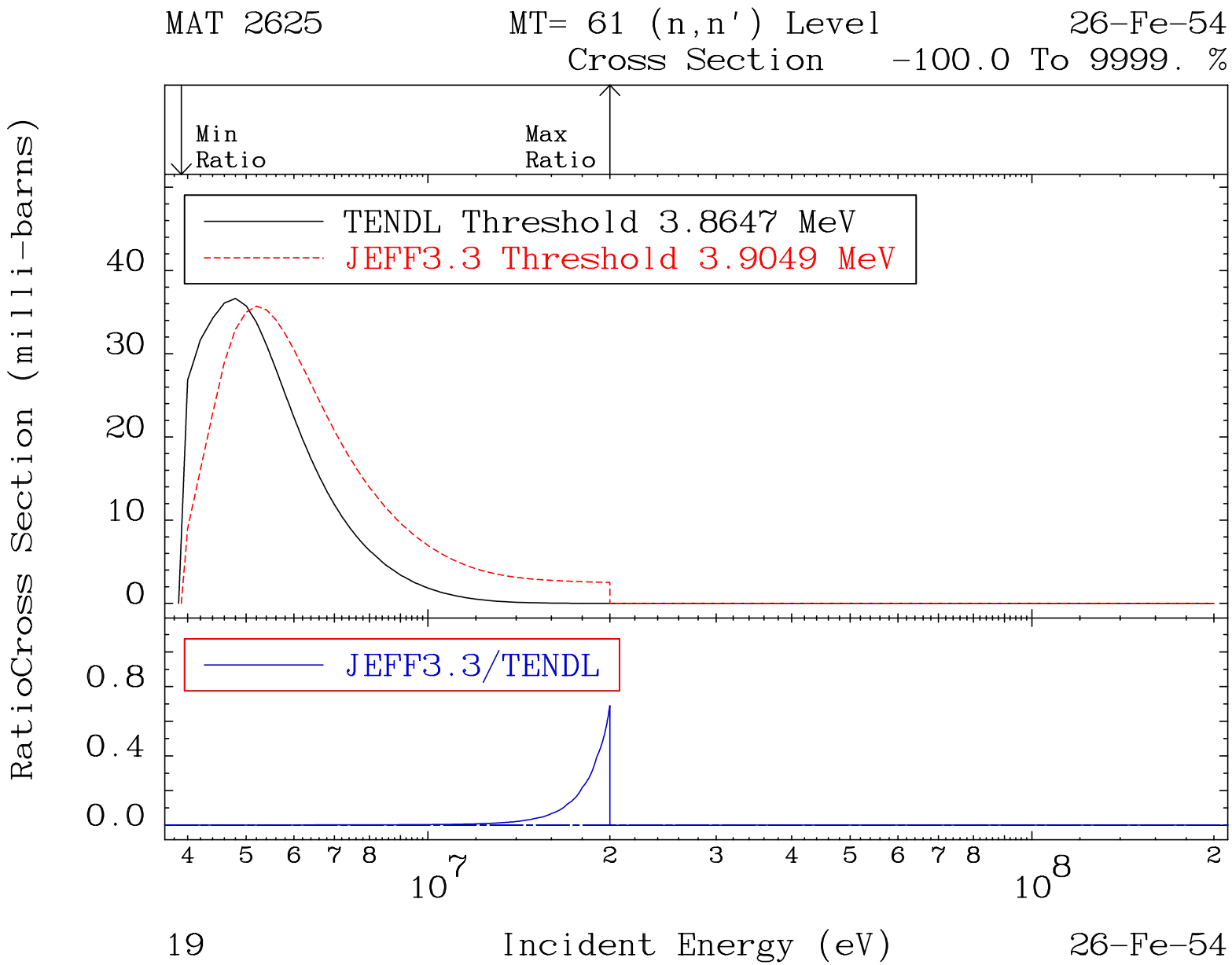

MAT 2625
MT= 56 (n,n') Level
26-Fe-54
Cross Section -100.0 To 66.84 %
Min Ratio
Max Ratio
TENDL Threshold 3.0143 MeV
JEFF3.3 Threshold 3.2252 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
14
26-Fe-54

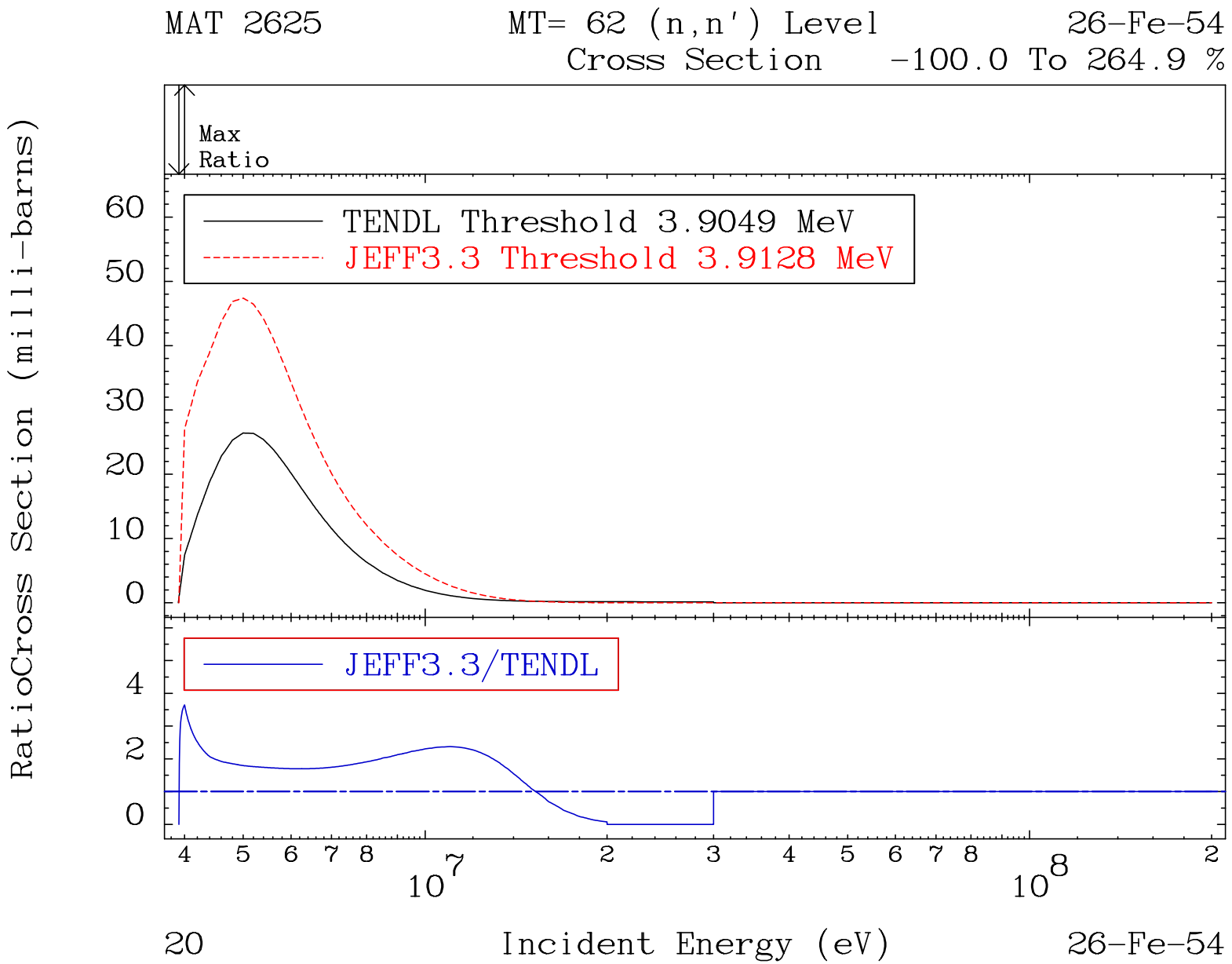

MAT 2625
MT= 57 (n,n') Level
26-Fe-54
Cross Section
-100.0 To 61.71 %
Min Ratio
Max Ratio
TENDL Threshold 3.2252 MeV
JEFF3.3 Threshold 3.3564 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
26-Fe-54

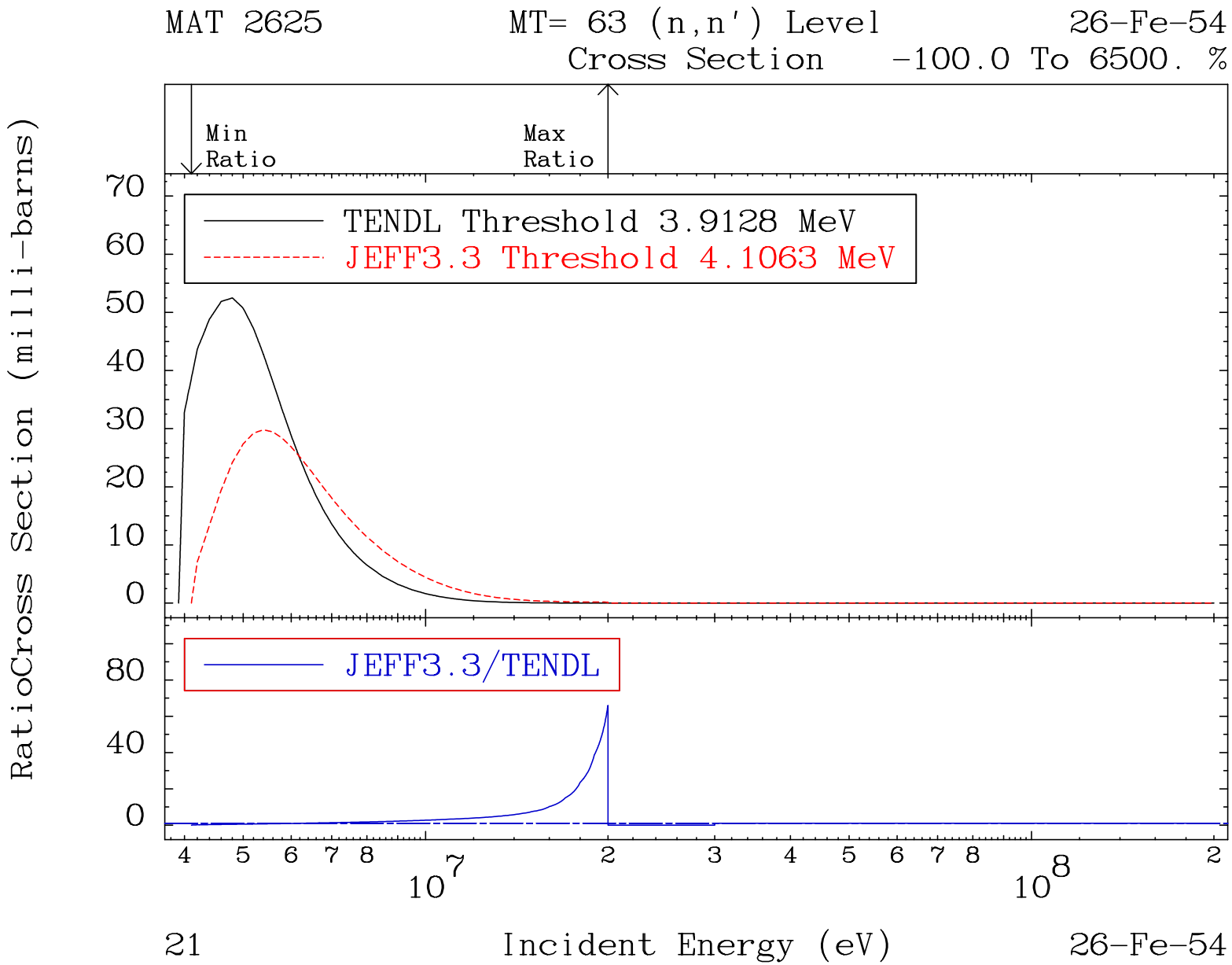

MAT 2625
MT= 58 (n,n') Level
26-Fe-54
Cross Section
-100.0 To 174.5 %
Max
Ratio
TENDL Threshold 3.3564 MeV
JEFF3.3 Threshold 3.4074 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
26-Fe-54

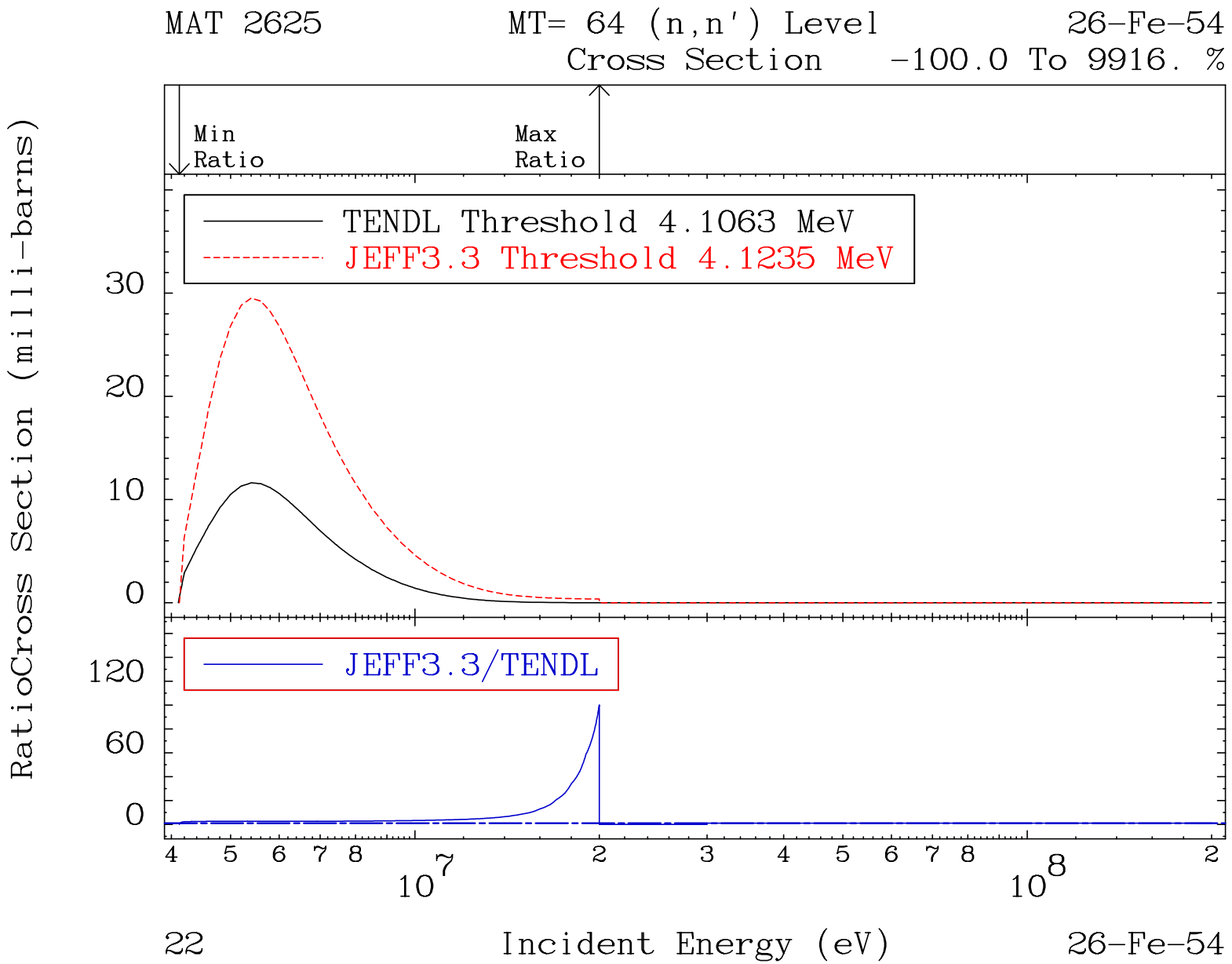

MAT 2625
MT= 59 (n,n') Level
26-Fe-54
Cross Section -100.0 To 5194. %
Min Ratio
Max Ratio
TENDL Threshold 3.4073 MeV
JEFF3.3 Threshold 3.5017 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
80
40
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
26-Fe-54

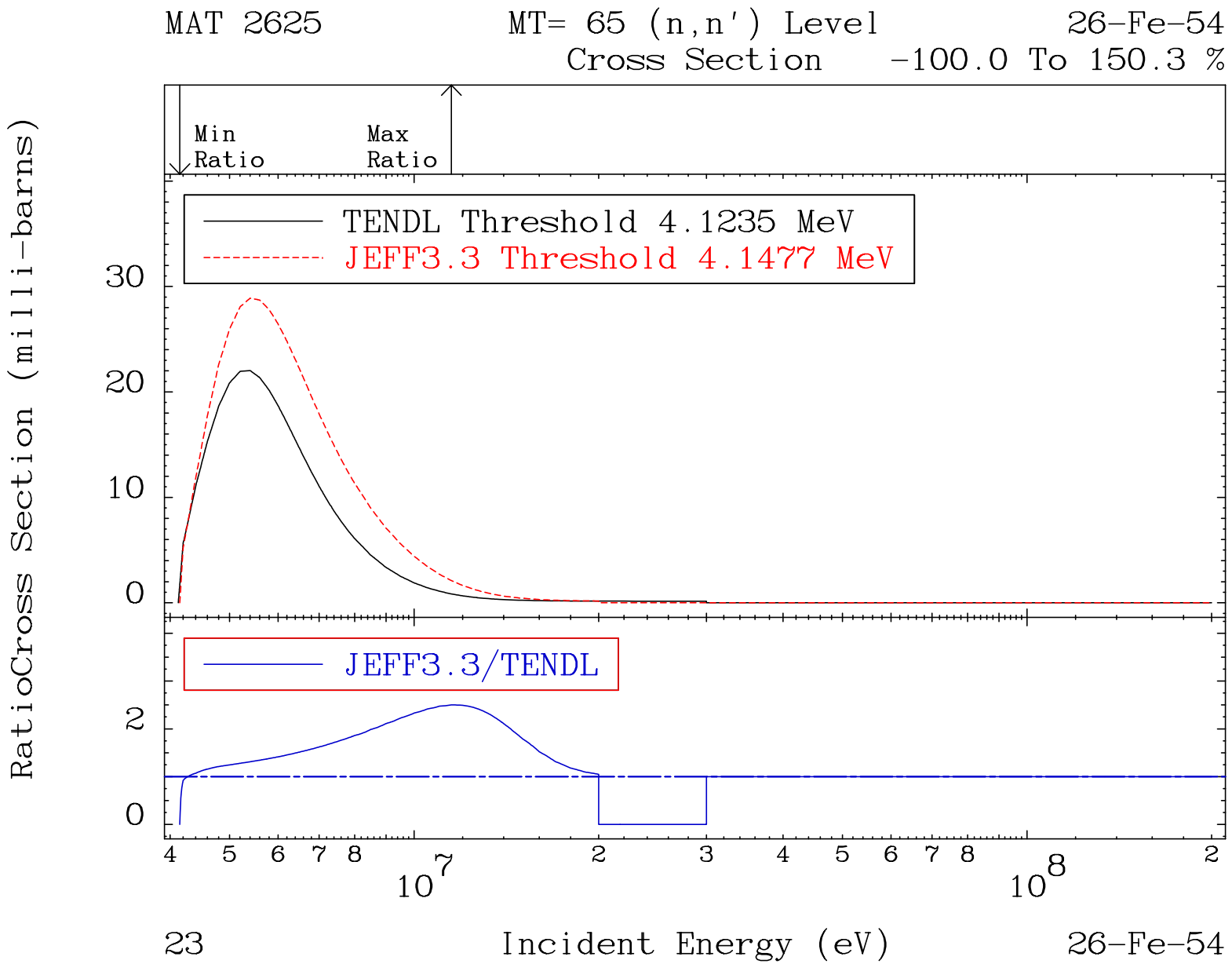

MAT 2625
MT= 60 (n,n') Level
26-Fe-54
Cross Section -100.0 To 117.5 %
Min Ratio
Max Ratio
TENDL Threshold 3.5017 MeV
JEFF3.3 Threshold 3.8647 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
3.0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
26-Fe-54

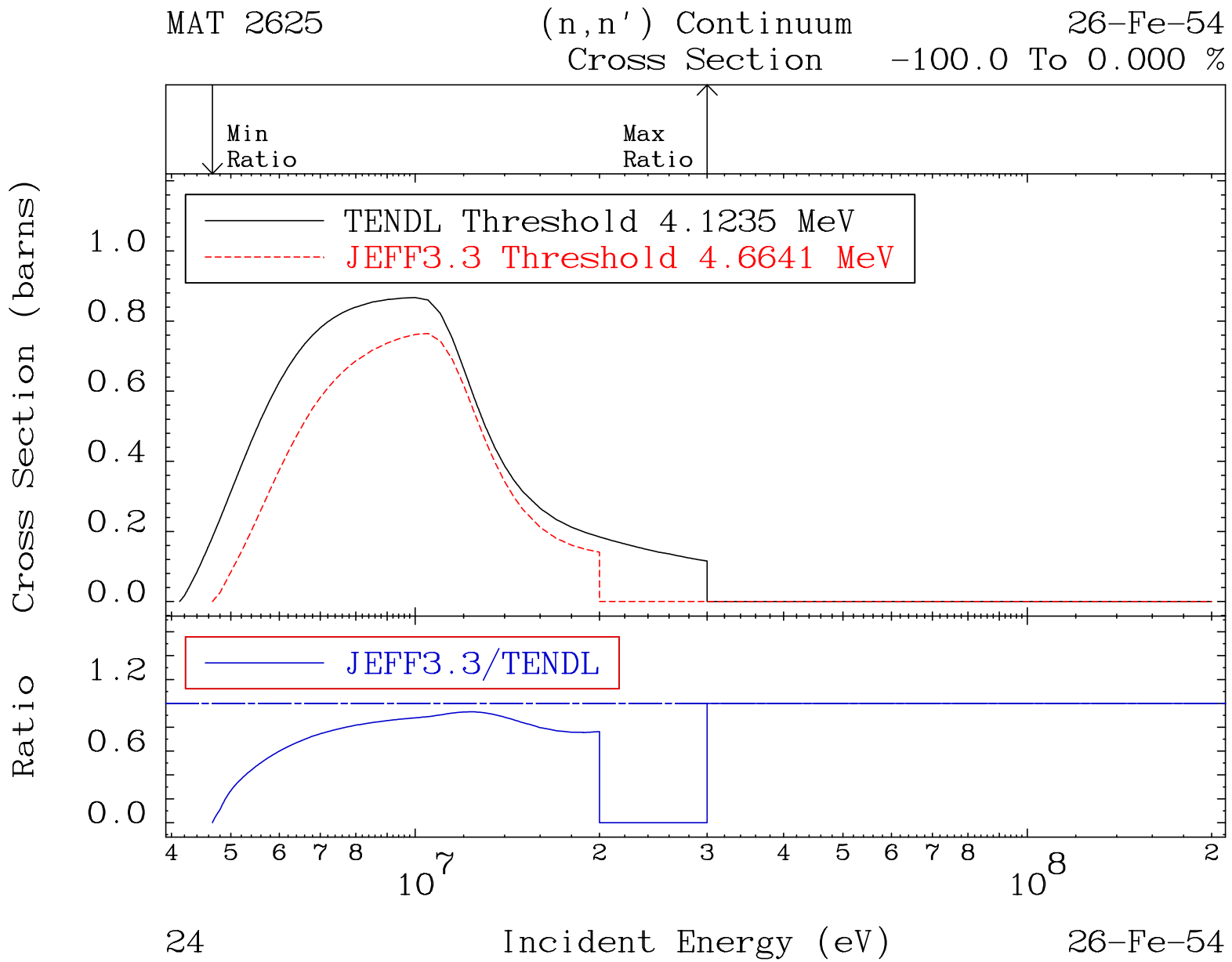

MAT 2625
MT= 61 (n,n') Level
26-Fe-54
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.8647 MeV
JEFF3.3 Threshold 3.9049 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
0.8
0.4
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
26-Fe-54

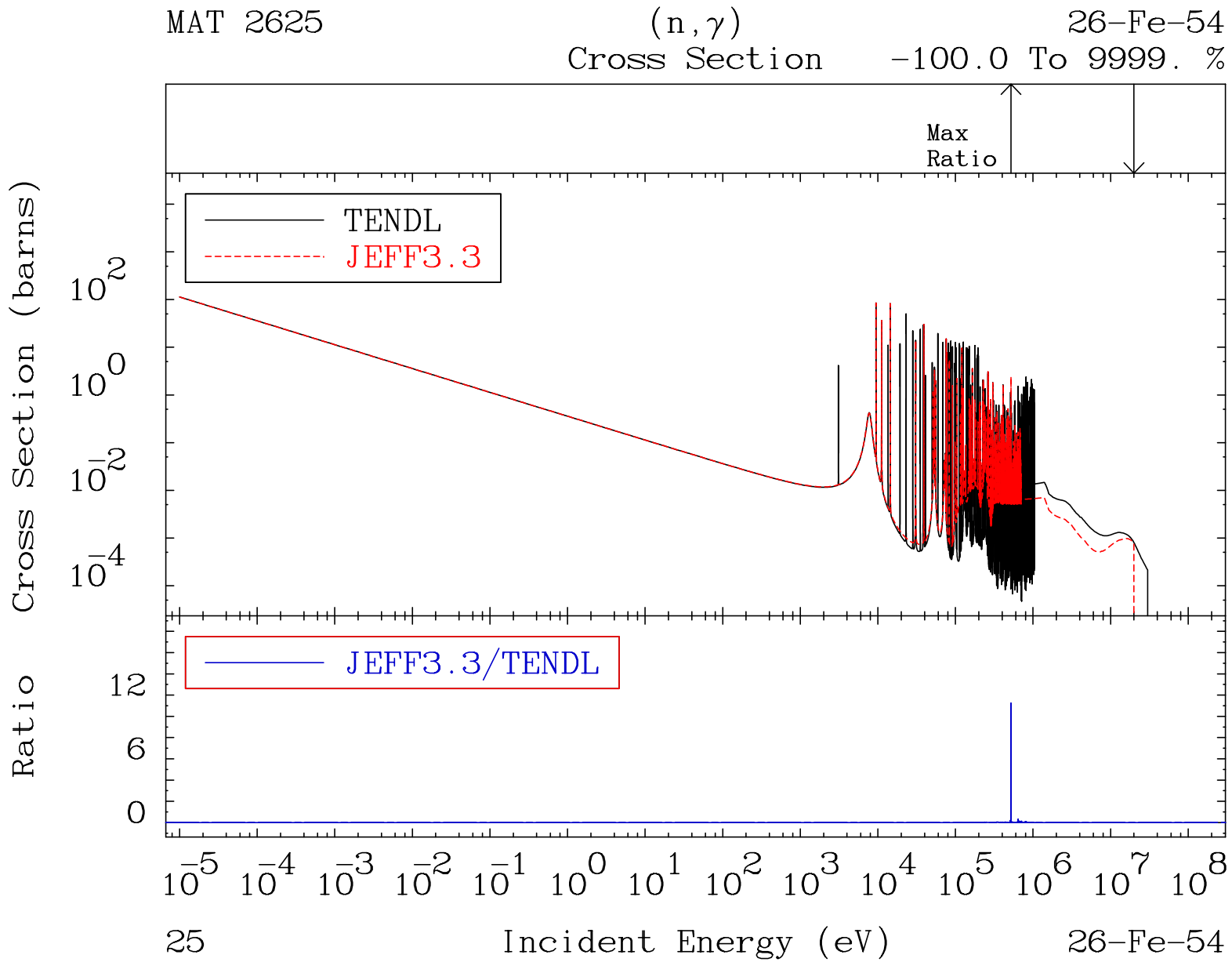

MAT 2625
MT= 62 (n,n') Level
26-Fe-54
Cross Section
-100.0 To 264.9 %
Max
Ratio
TENDL Threshold 3.9049 MeV
JEFF3.3 Threshold 3.9128 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
26-Fe-54

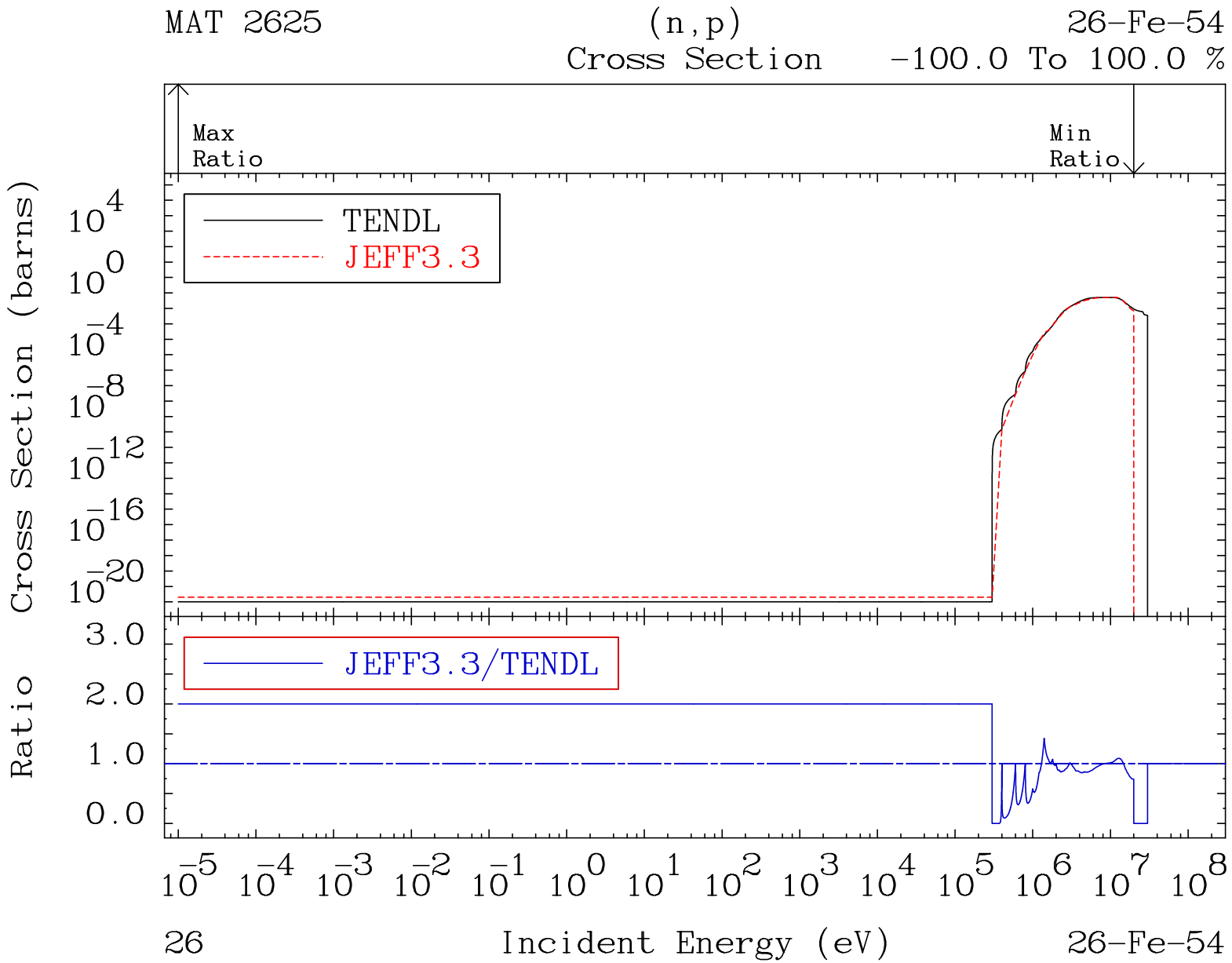

MAT 2625
MT= 63 (n,n') Level
26-Fe-54
Cross Section -100.0 To 6500. %
Min Ratio
Max Ratio
TENDL Threshold 3.9128 MeV
JEFF3.3 Threshold 4.1063 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
26-Fe-54

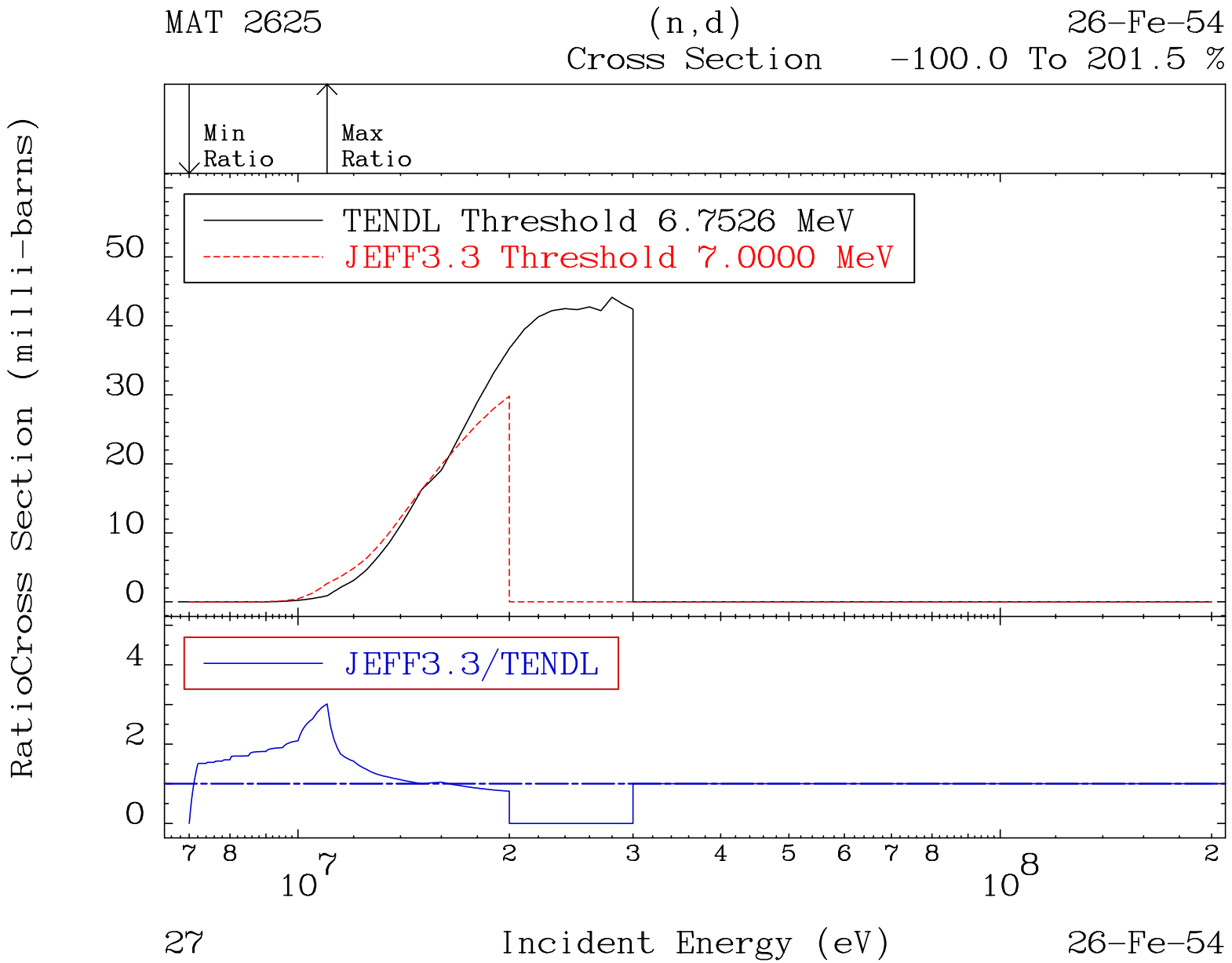

MAT 2625
MT= 64 (n,n') Level
26-Fe-54
Cross Section -100.0 To 9916. %
Min Ratio
Max Ratio
TENDL Threshold 4.1063 MeV
JEFF3.3 Threshold 4.1235 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
120
60
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
26-Fe-54

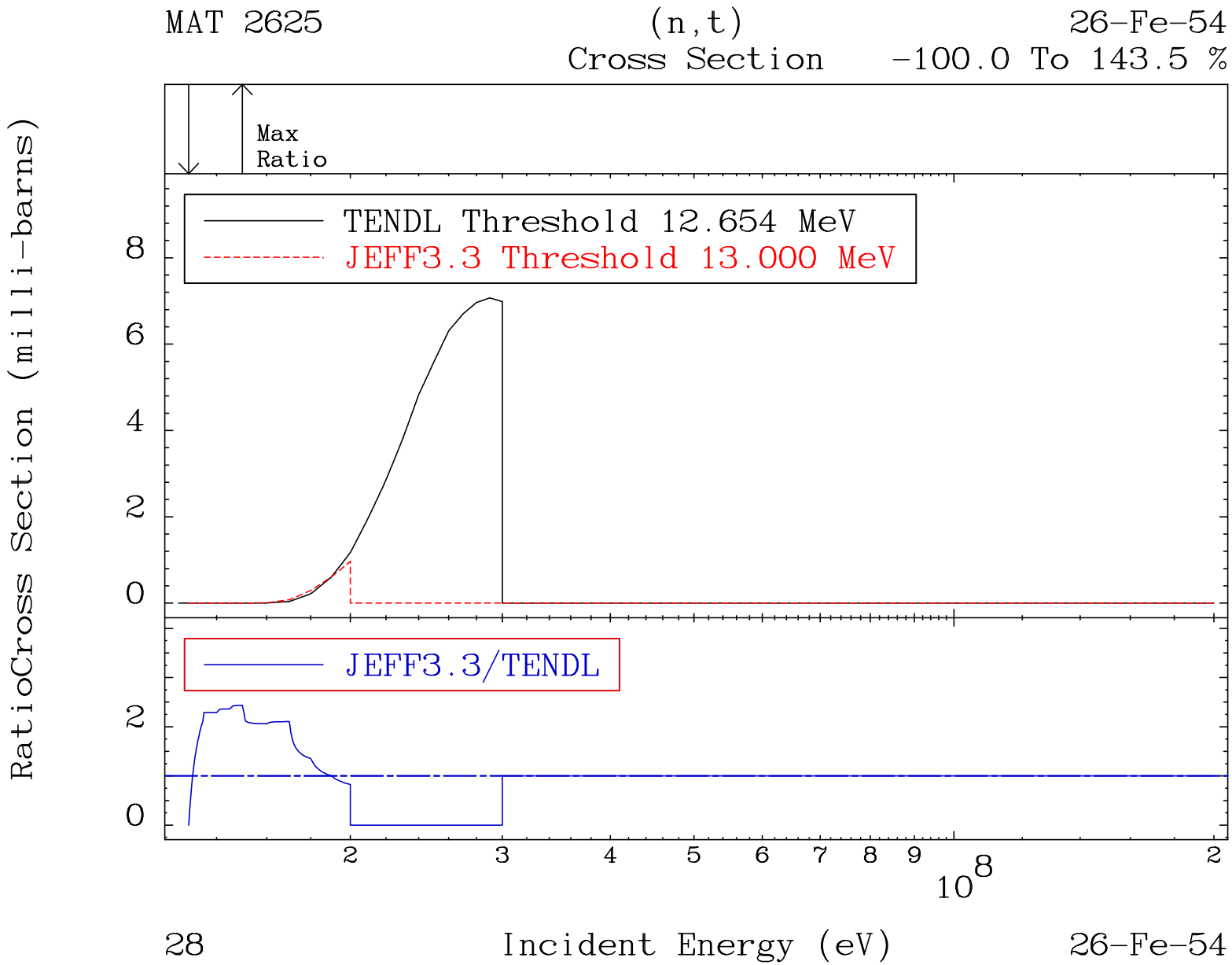

MAT 2625
MT= 65 (n,n') Level
26-Fe-54
Cross Section
-100.0 To 150.3 %
Min Ratio
Max Ratio
TENDL Threshold 4.1235 MeV
JEFF3.3 Threshold 4.1477 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
2
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
26-Fe-54

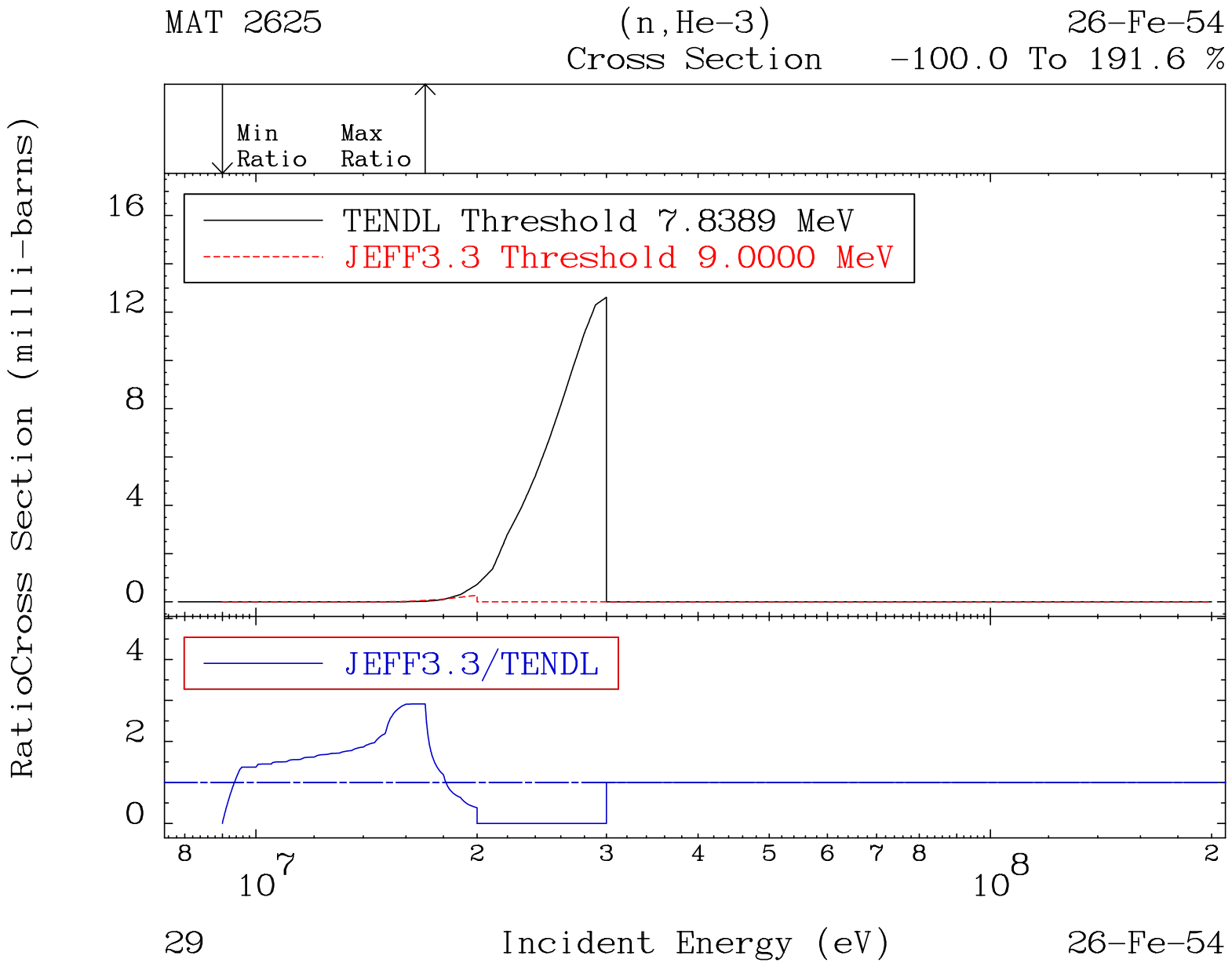

MAT 2625
(n,n') Continuum
Cross Section
26-Fe-54
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.1235 MeV
JEFF3.3 Threshold 4.6641 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
26-Fe-54

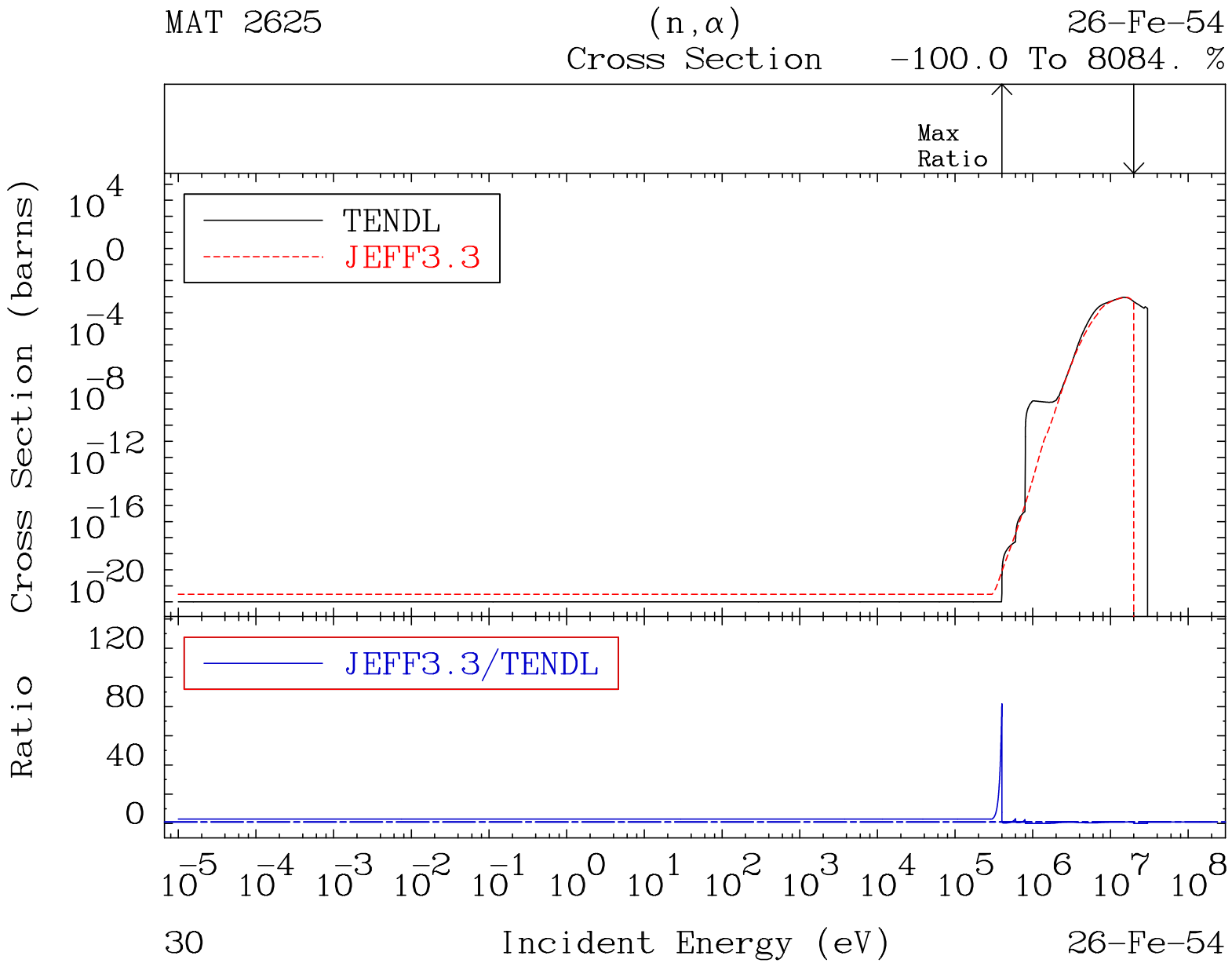

MAT 2625
(n,γ)
Cross Section
26-Fe-54
-100.0 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
26-Fe-54

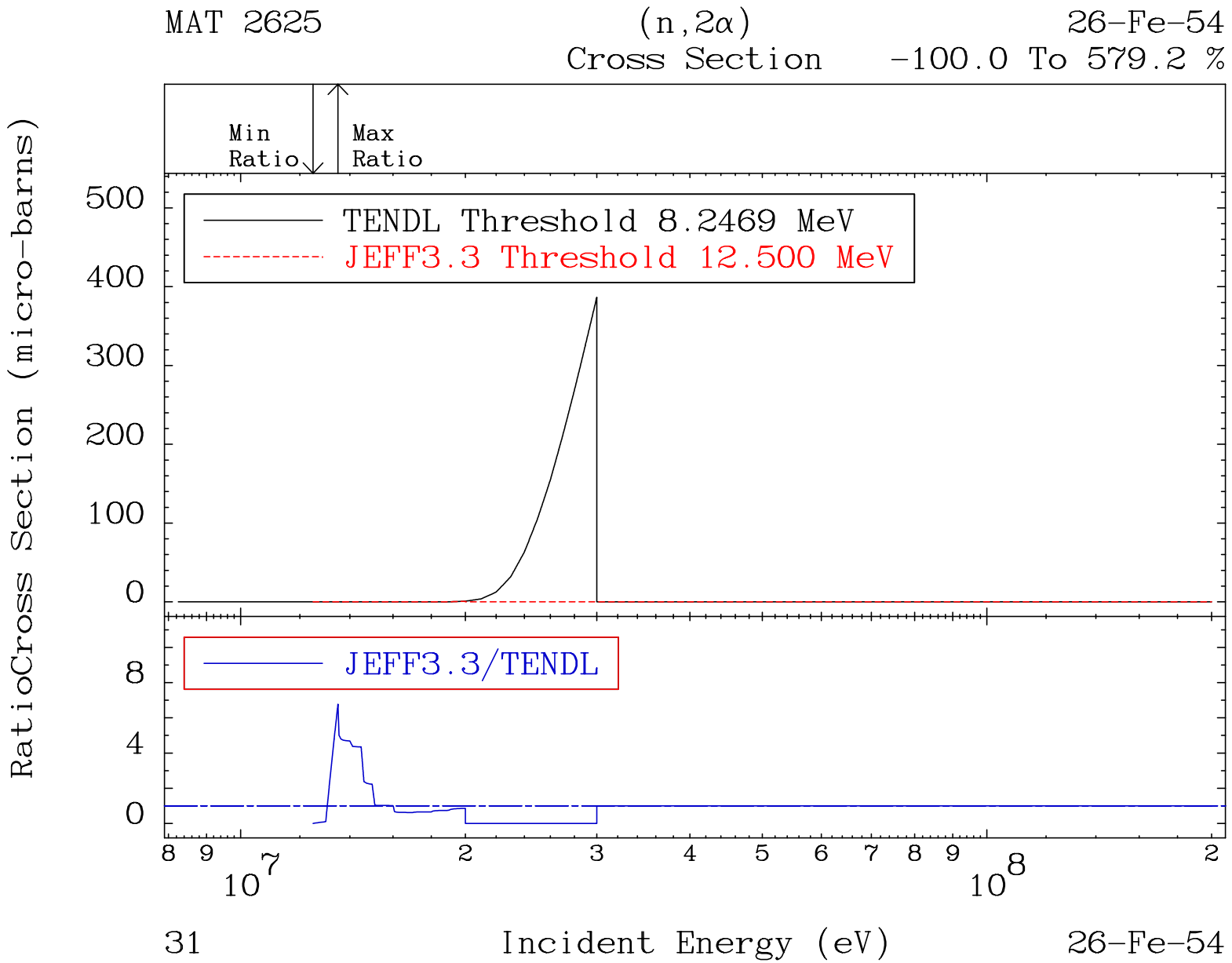

MAT 2625
(n,p)
Cross Section
26-Fe-54
-100.0 To 100.0 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
26-Fe-54

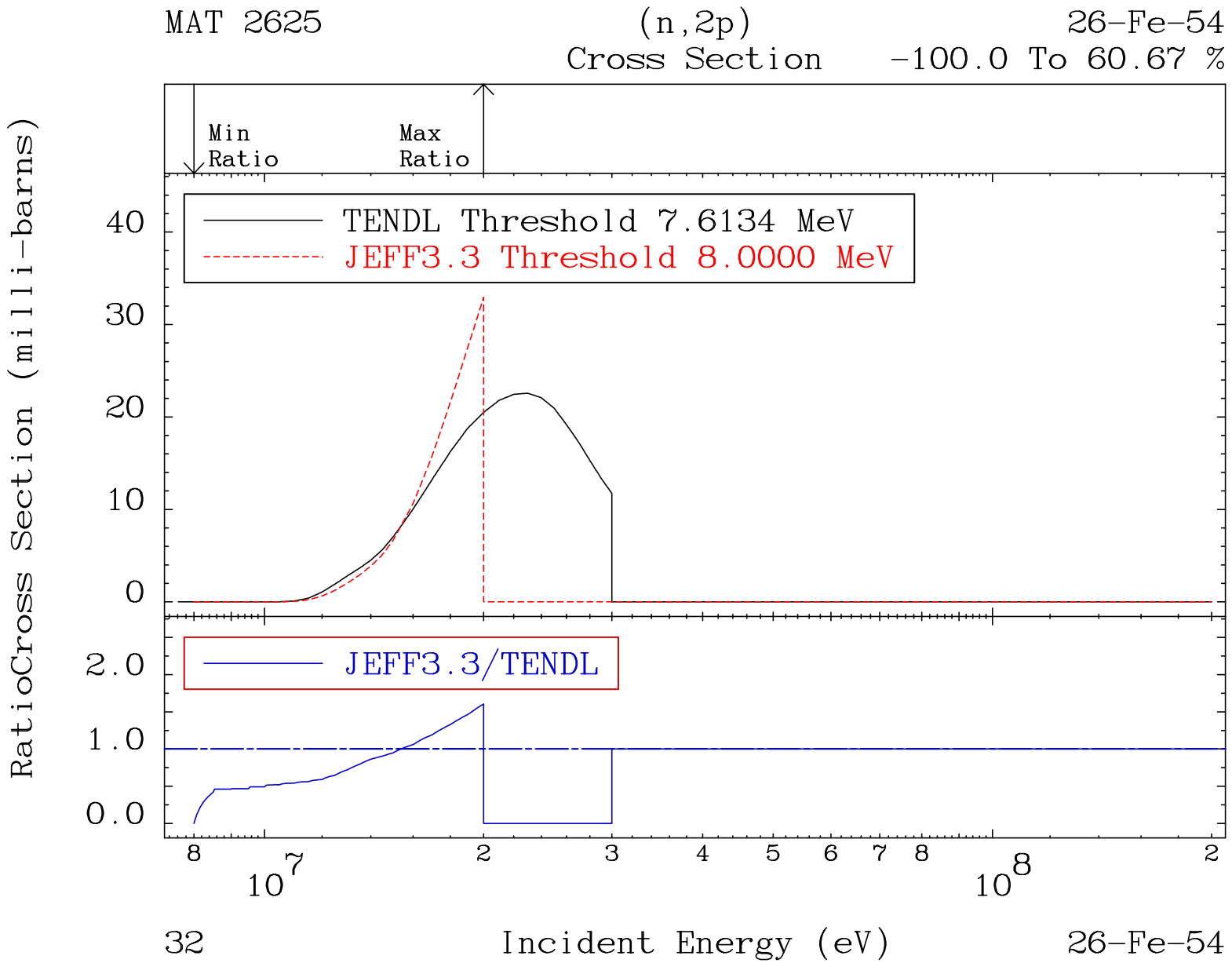

MAT 2625
(n,d)
Cross Section
26-Fe-54
-100.0 To 201.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.7526 MeV
JEFF3.3 Threshold 7.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
26-Fe-54

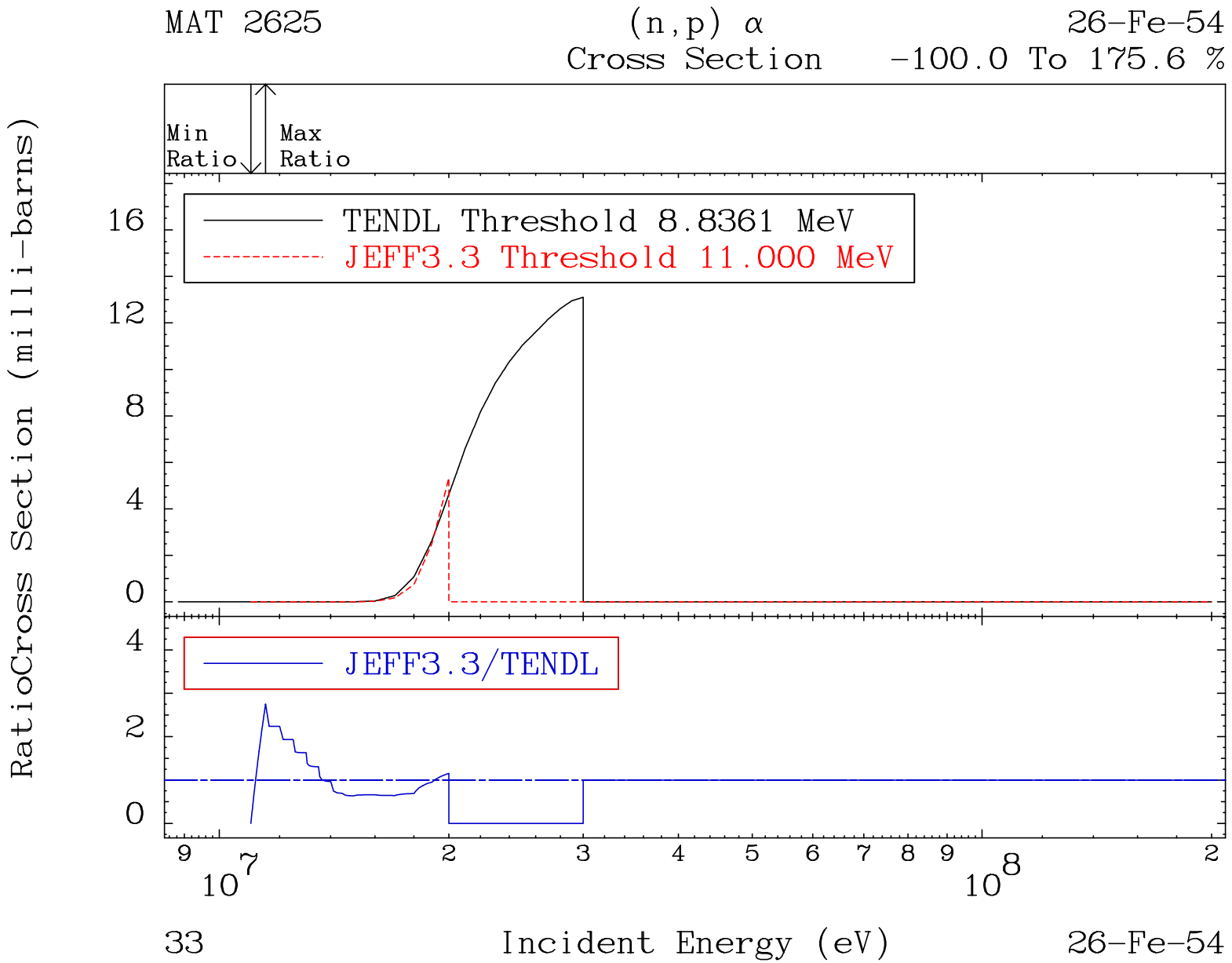

MAT 2625
(n,t)
Cross Section
26-Fe-54
-100.0 To 143.5 %
Max
Ratio
TENDL Threshold 12.654 MeV
JEFF3.3 Threshold 13.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
0
2
2
3
4
5
6
7
8
9
10^8
2
28
Incident Energy (eV)
26-Fe-54

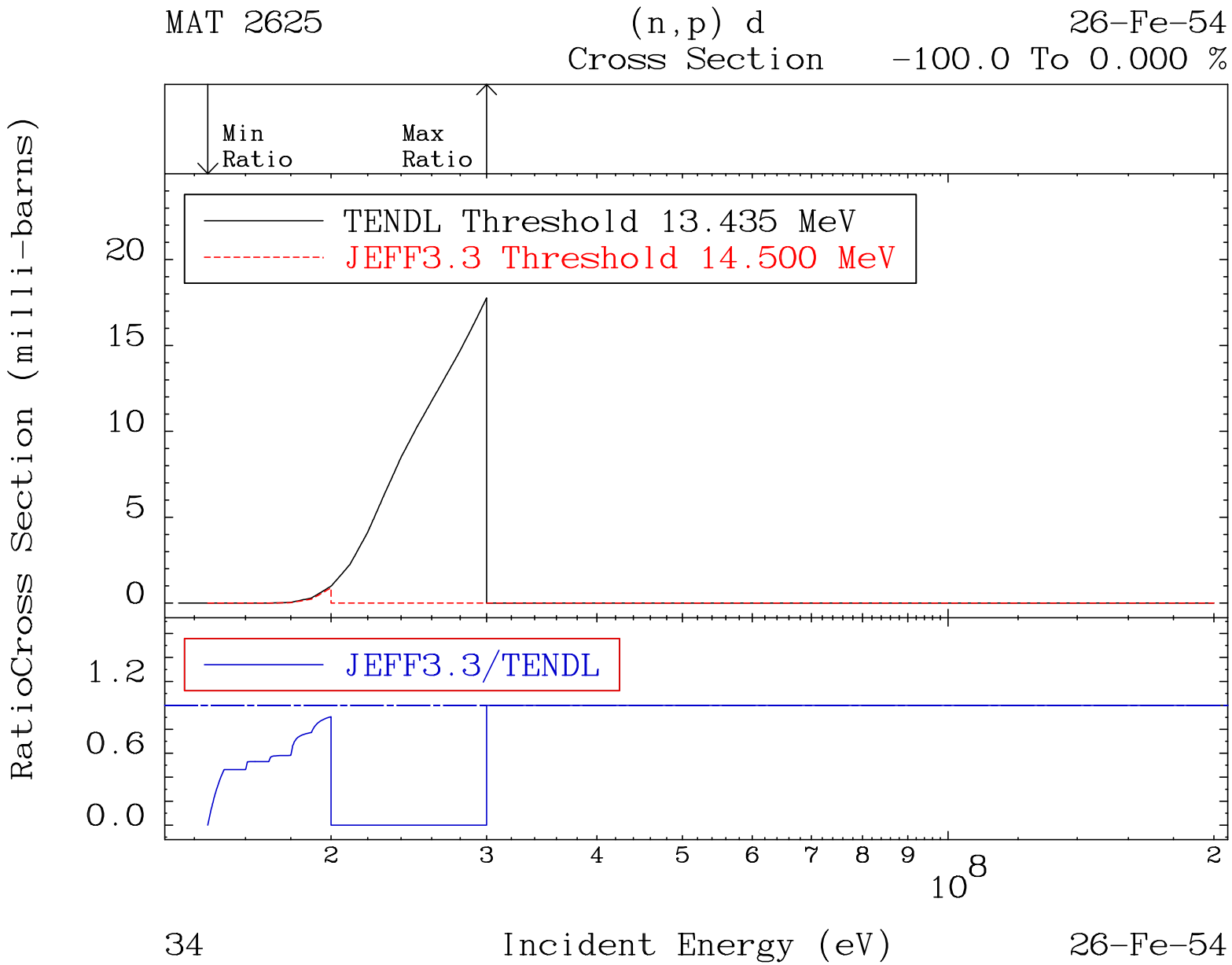

MAT 2625
(n,He-3)
Cross Section
26-Fe-54
-100.0 To 191.6 %
Min Ratio
Max Ratio
TENDL Threshold 7.8389 MeV
JEFF3.3 Threshold 9.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
4
2
0
8
2
3
4
5
6
7
8
2
10^7
10^8
29
Incident Energy (eV)
26-Fe-54

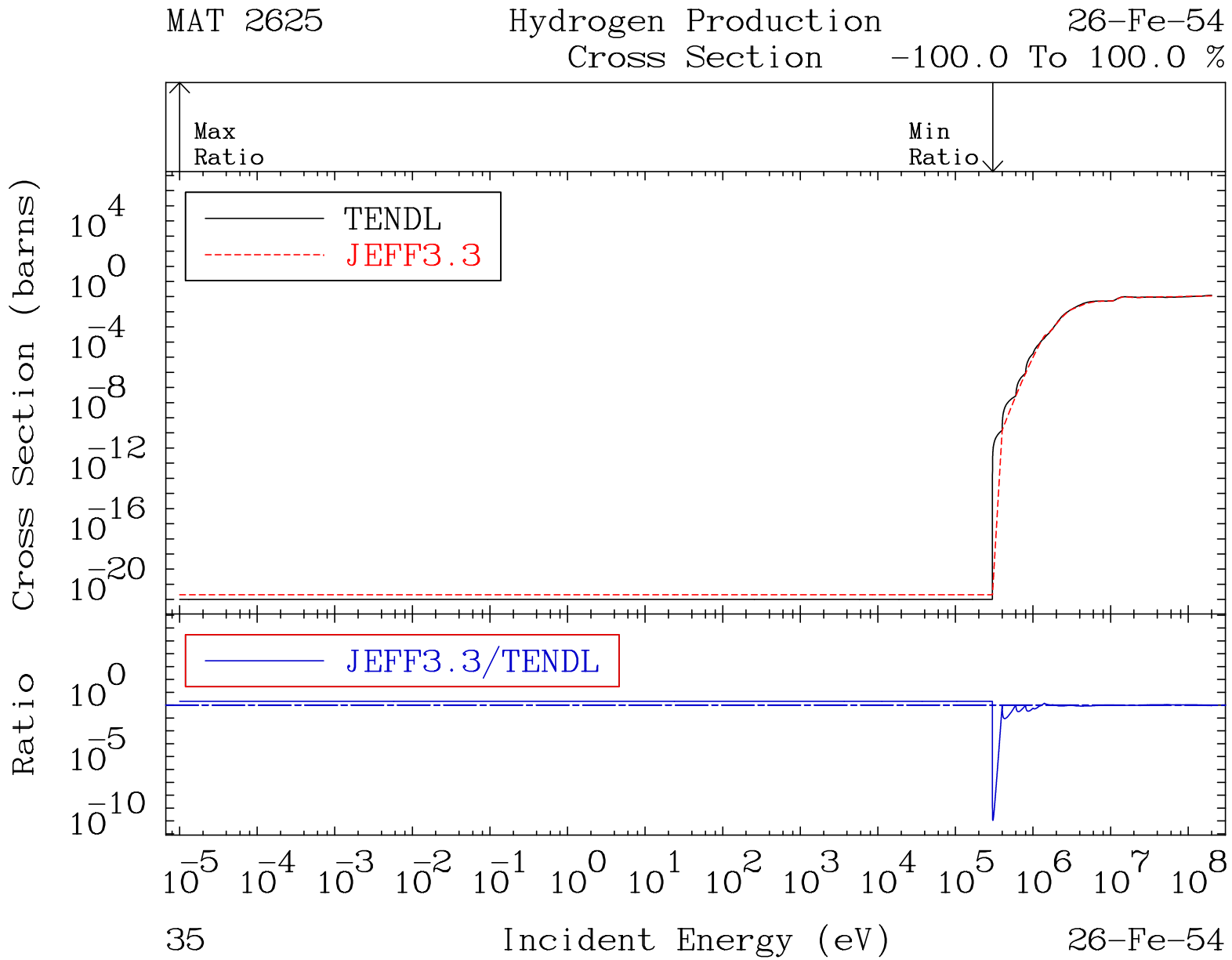

MAT 2625
(n,α)
Cross Section
26-Fe-54
-100.0 To 8084. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
26-Fe-54

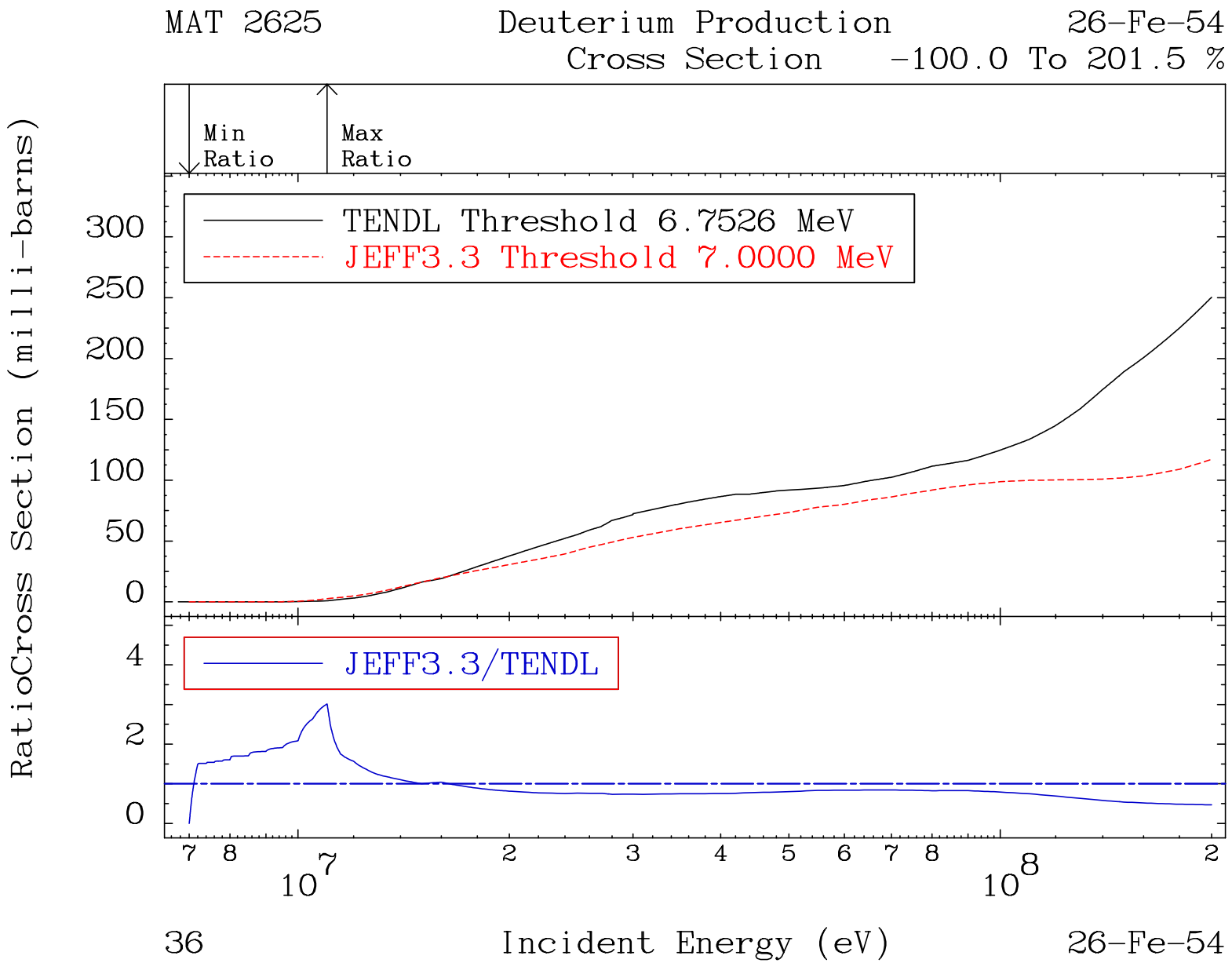

MAT 2625
(n,2α)
Cross Section
26-Fe-54
-100.0 To 579.2 %
Min Ratio
Max Ratio
TENDL Threshold 8.2469 MeV
JEFF3.3 Threshold 12.500 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
8
4
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
26-Fe-54

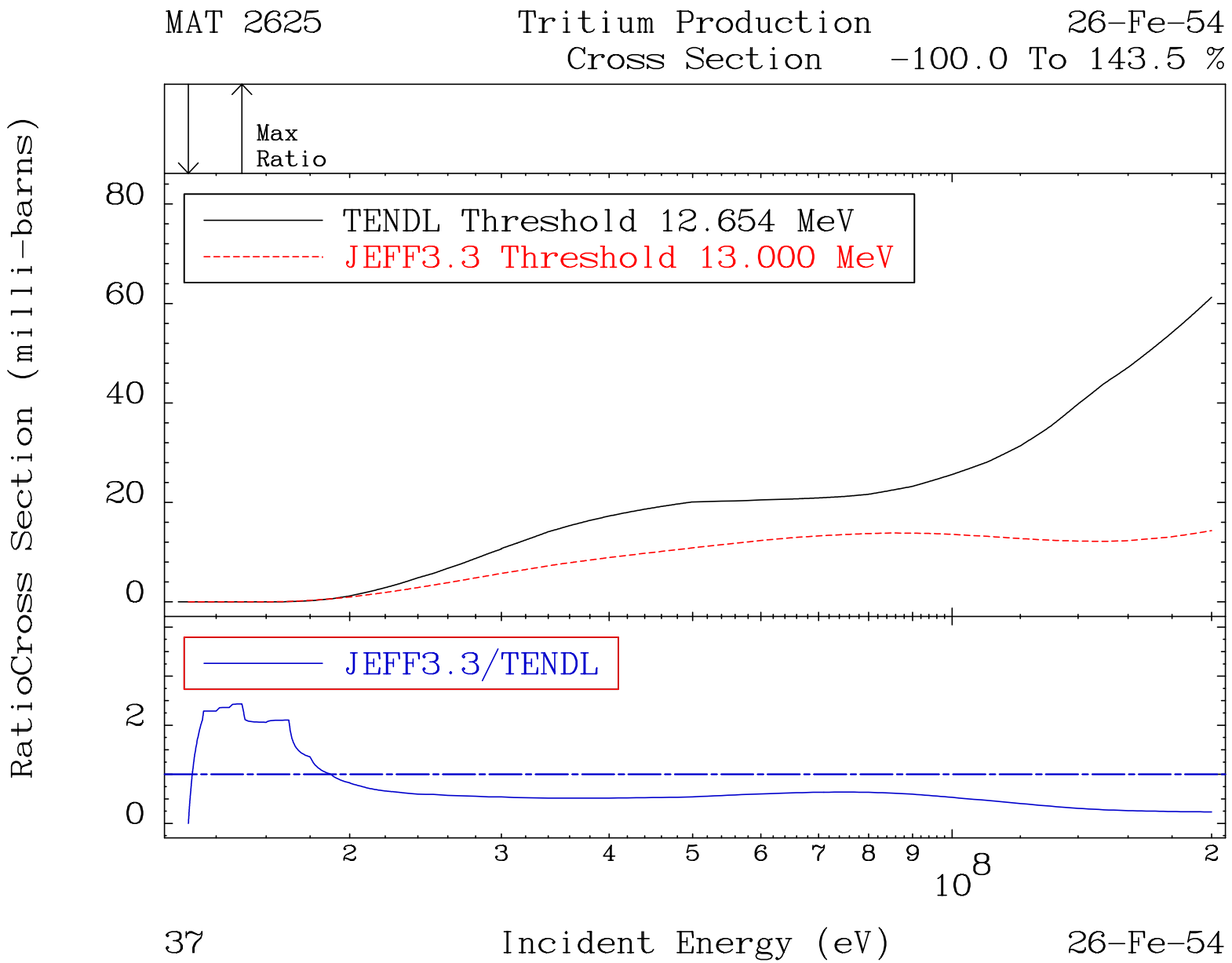

MAT 2625
(n,2p)
Cross Section
26-Fe-54
-100.0 To 60.67 %
Min Ratio
Max Ratio
TENDL Threshold 7.6134 MeV
JEFF3.3 Threshold 8.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
26-Fe-54

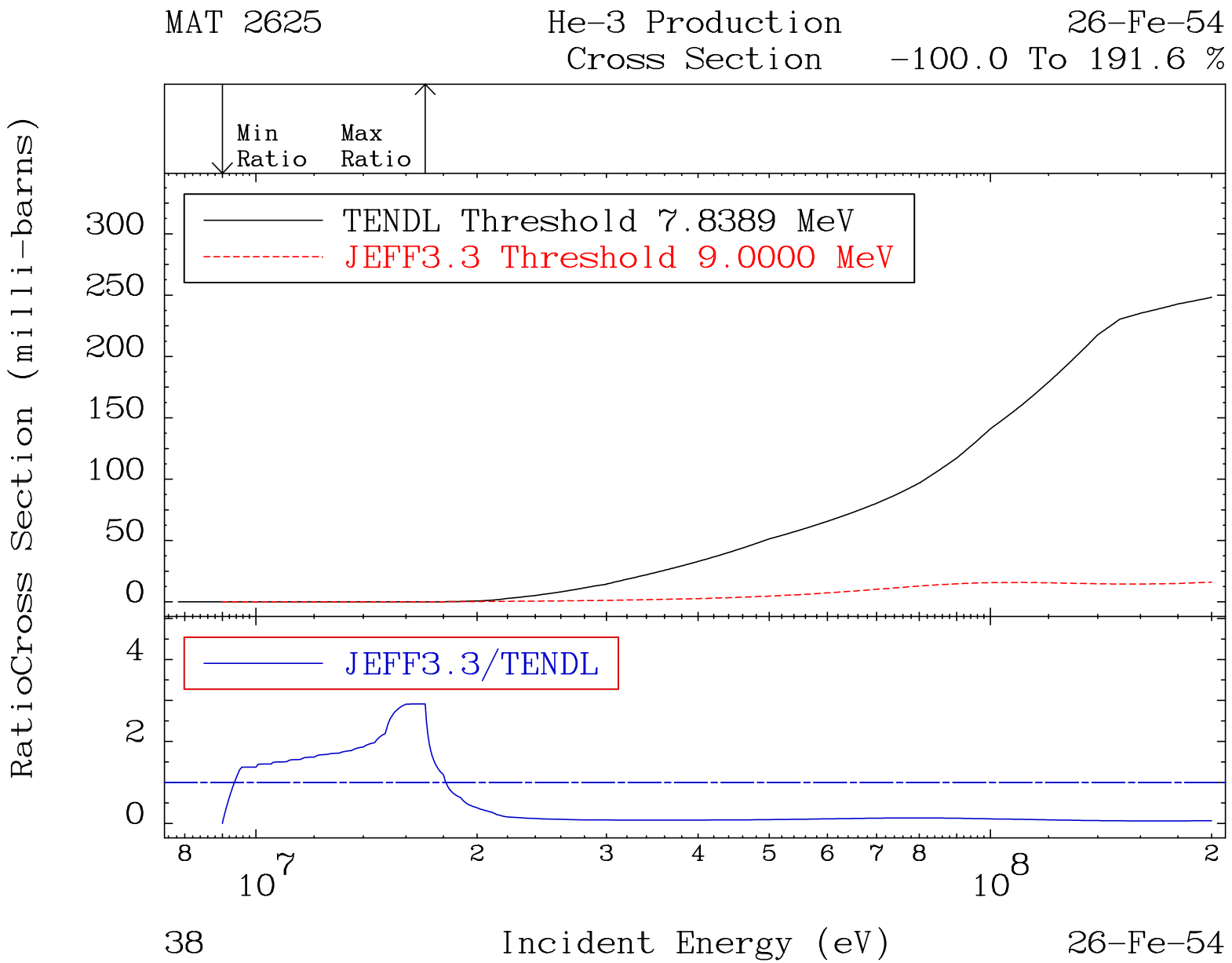

MAT 2625
(n,p) α
Cross Section
26-Fe-54
-100.0 To 175.6 %
Min Ratio
Max Ratio
TENDL Threshold 8.8361 MeV
JEFF3.3 Threshold 11.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
4
2
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
26-Fe-54

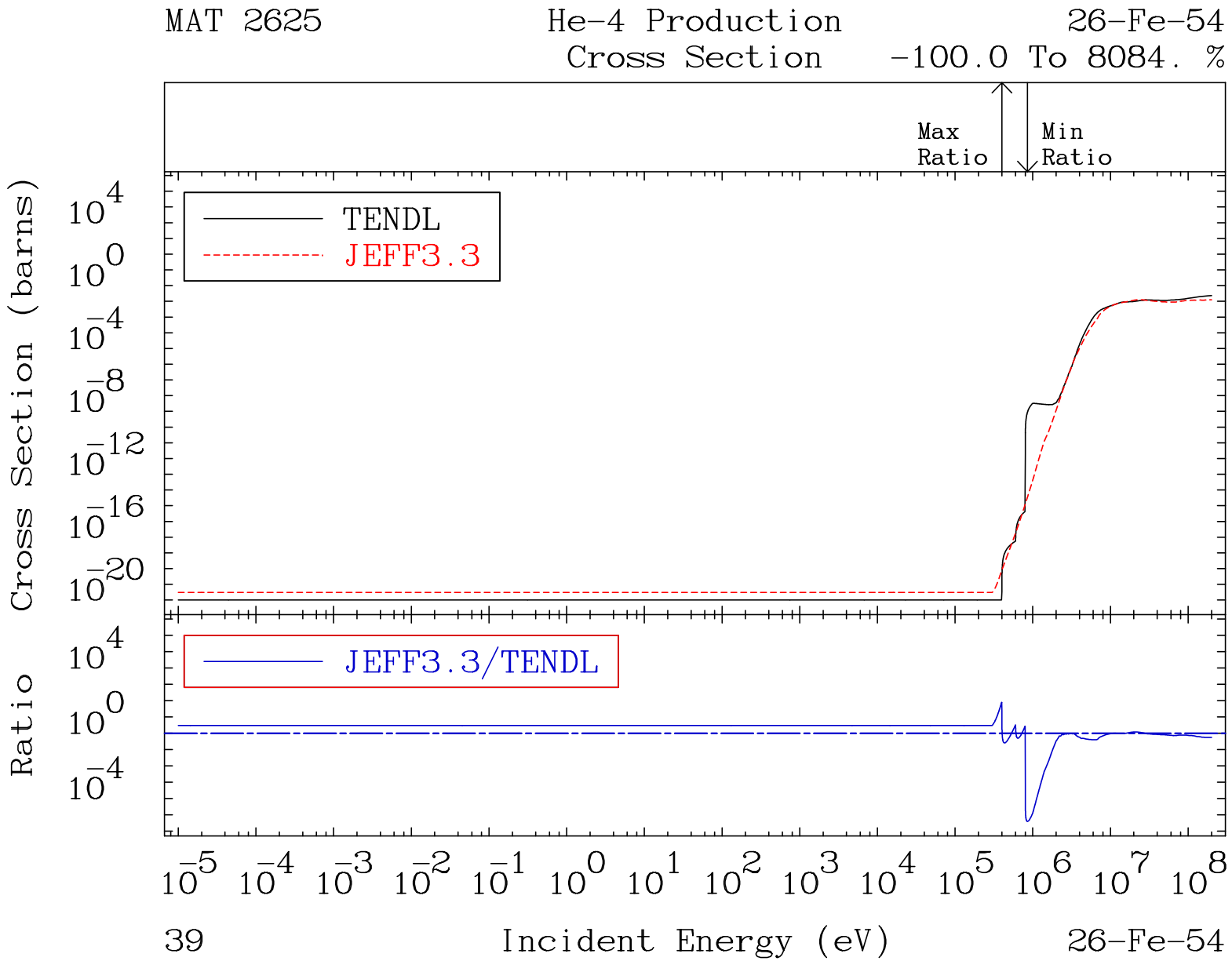

MAT 2625
(n,p) d
Cross Section
26-Fe-54
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 13.435 MeV
JEFF3.3 Threshold 14.500 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
26-Fe-54

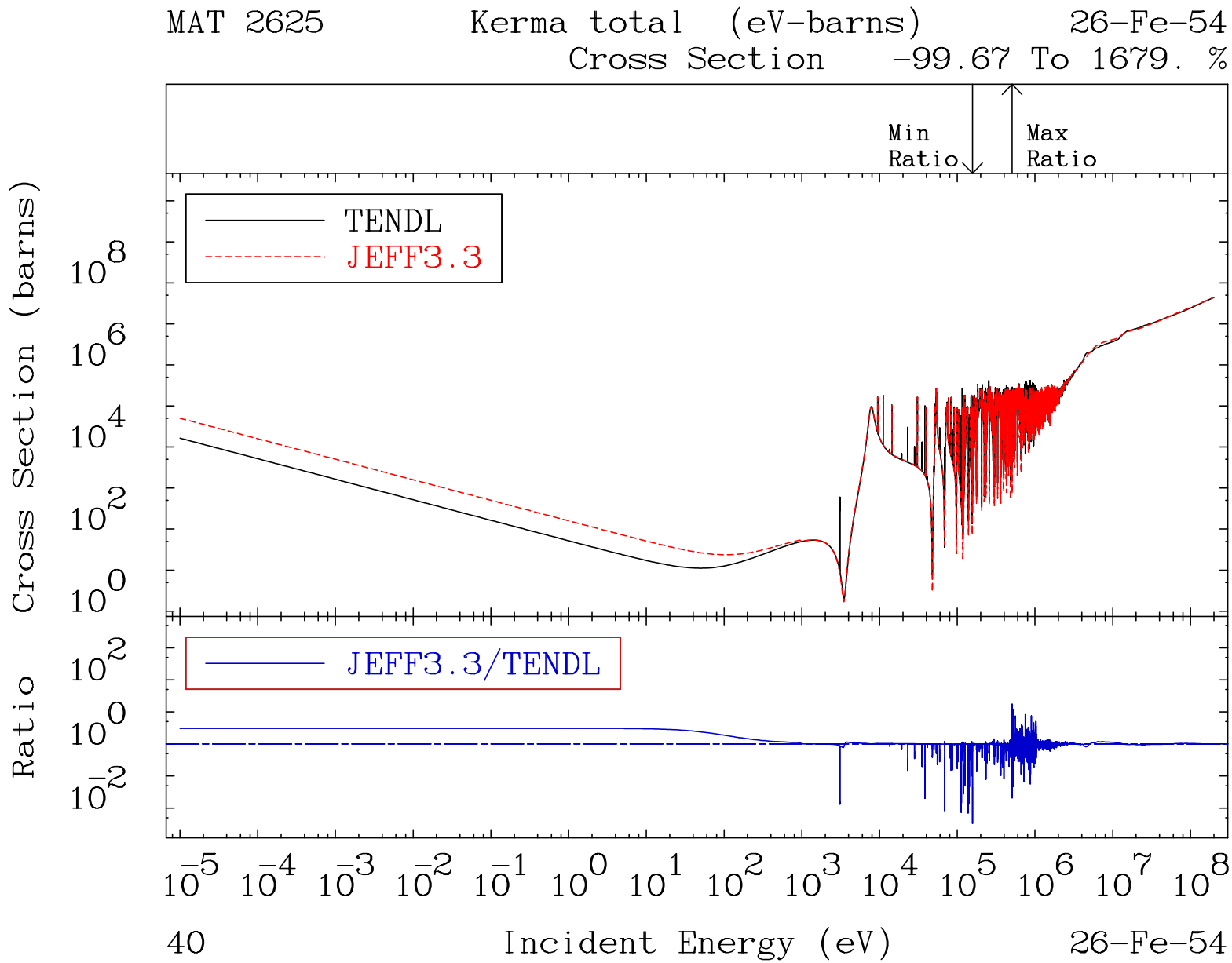

MAT 2625
Hydrogen Production
Cross Section
26-Fe-54
-100.0 To 100.0 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
26-Fe-54

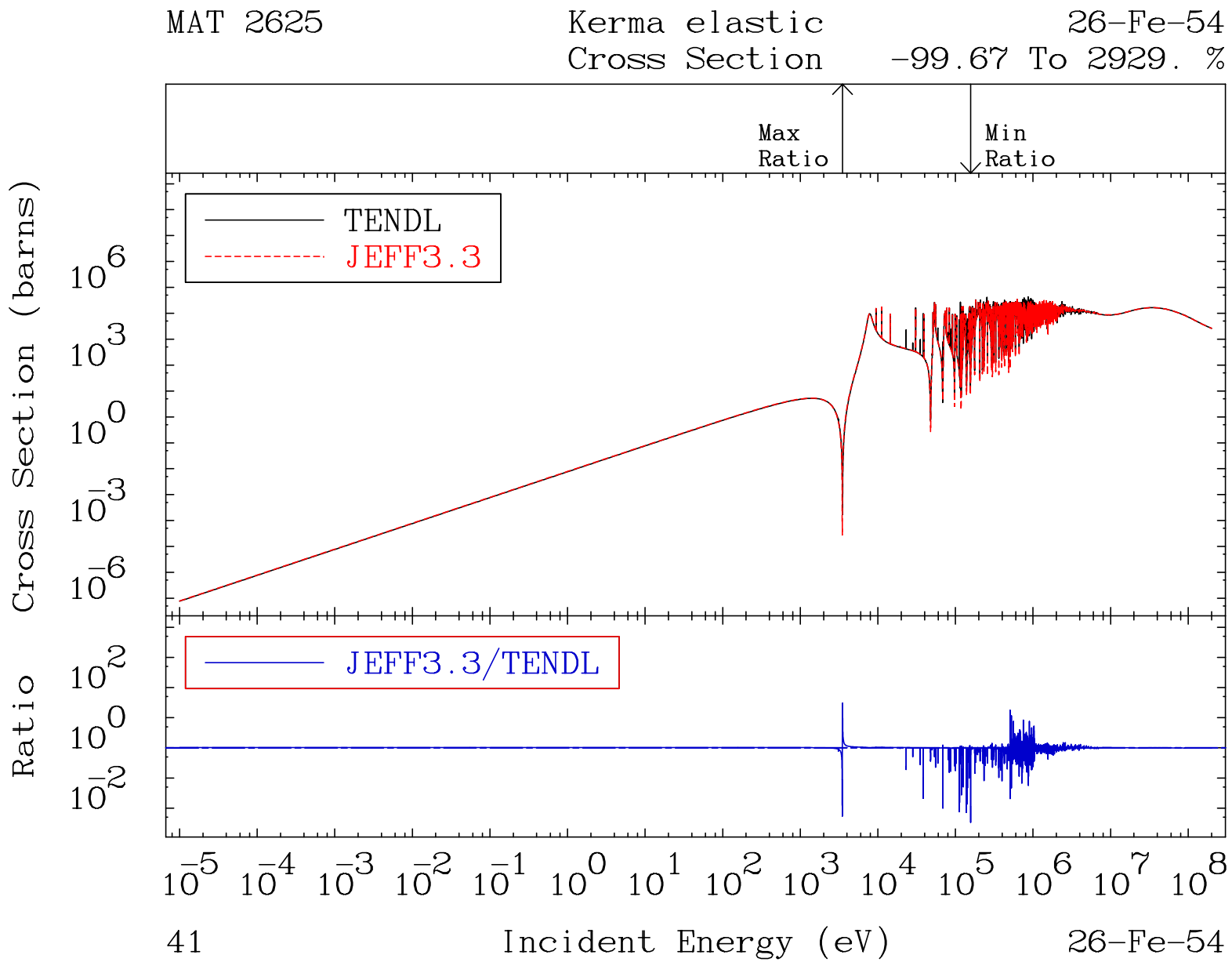

MAT 2625
Deuterium Production
26-Fe-54
Cross Section
-100.0 To 201.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.7526 MeV
JEFF3.3 Threshold 7.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
2
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
26-Fe-54

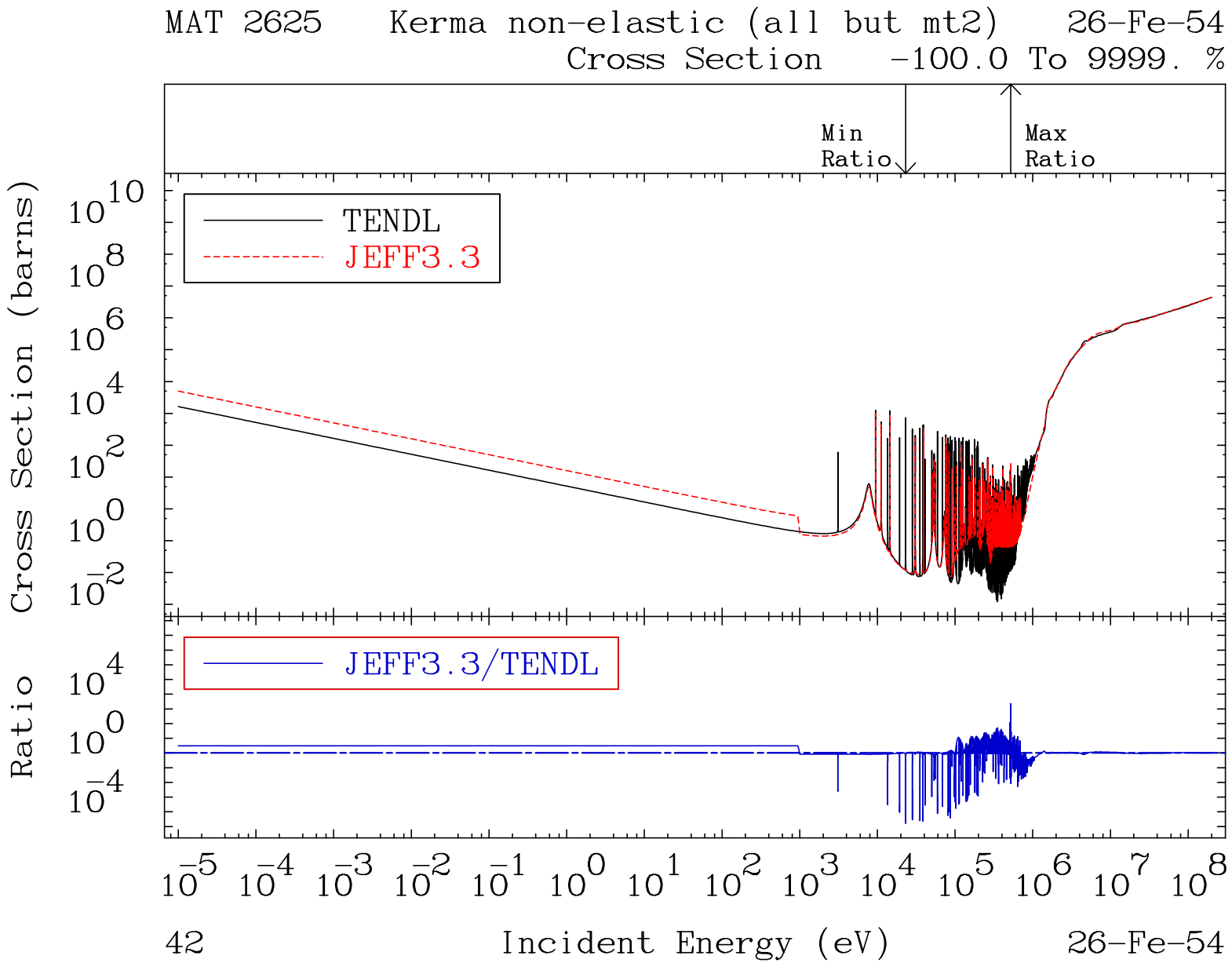

MAT 2625
Tritium Production
Cross Section
26-Fe-54
-100.0 To 143.5 %
Max
Ratio
TENDL Threshold 12.654 MeV
JEFF3.3 Threshold 13.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2
0
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
26-Fe-54

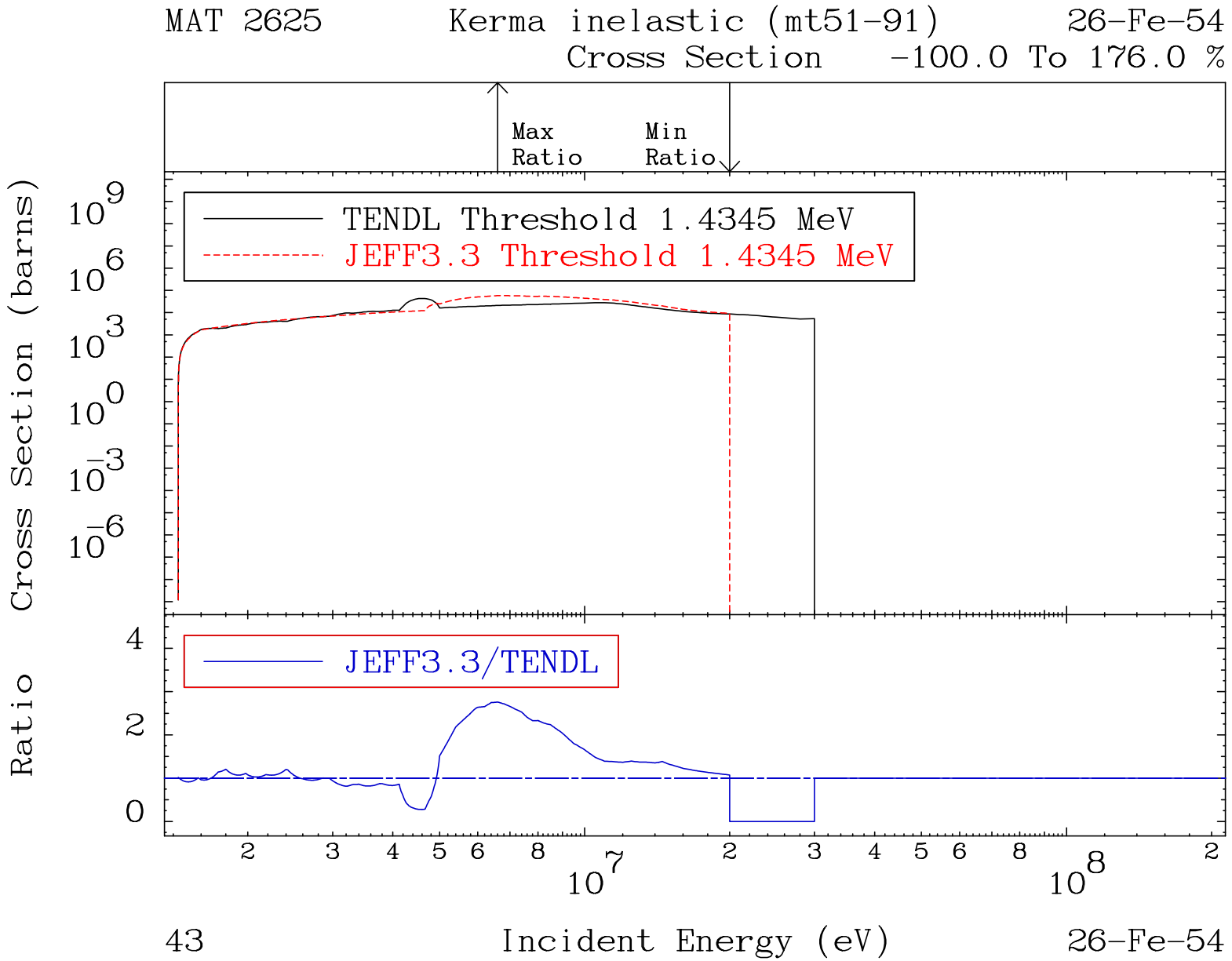

MAT 2625
He-3 Production
Cross Section
26-Fe-54
-100.0 To 191.6 %
Min Ratio
Max Ratio
TENDL Threshold 7.8389 MeV
JEFF3.3 Threshold 9.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
2
0
8
2
3
4
5
6
7
8
2
10^7
10^8
38
Incident Energy (eV)
26-Fe-54

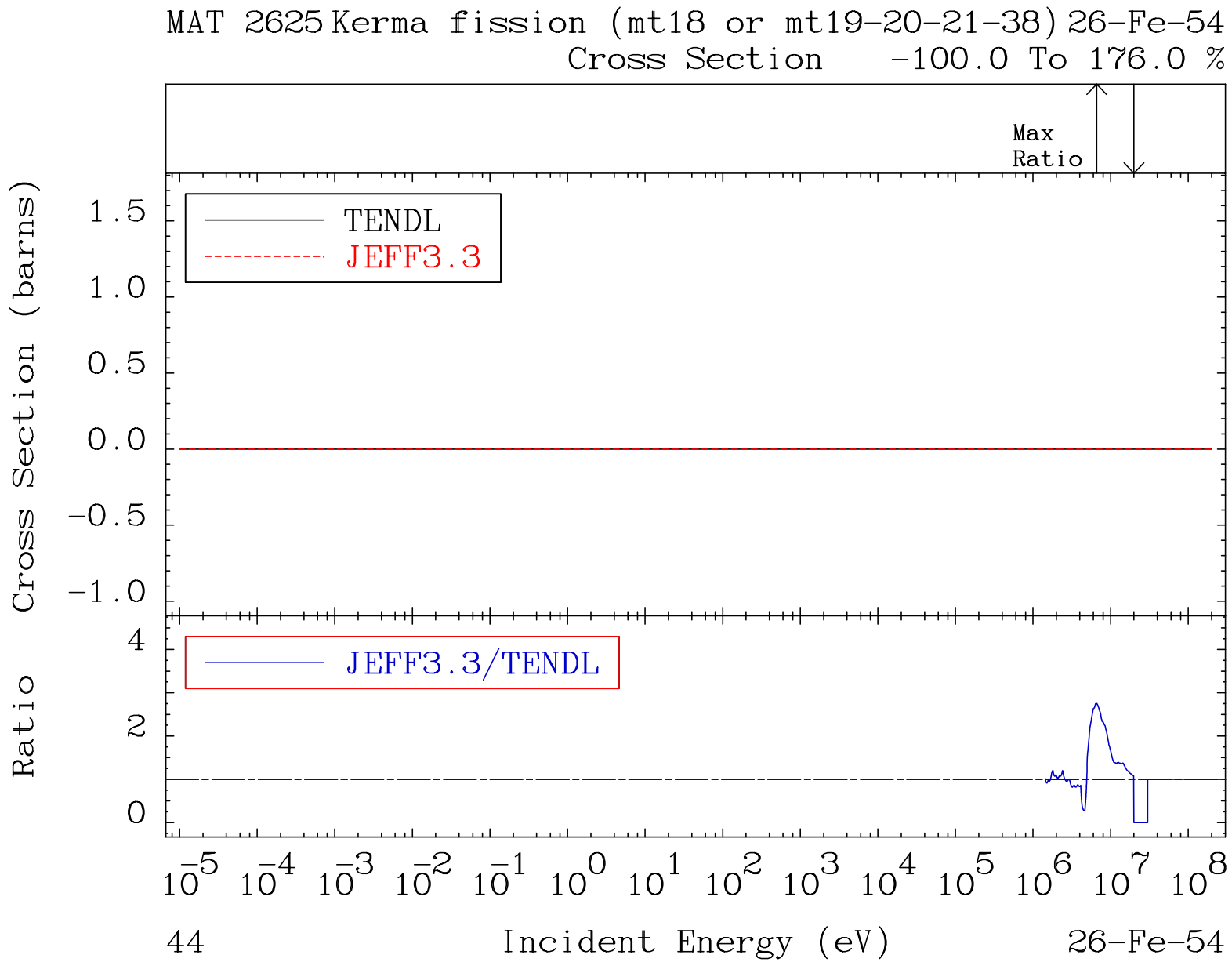

MAT 2625
He-4 Production
Cross Section
26-Fe-54
-100.0 To 8084. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
26-Fe-54

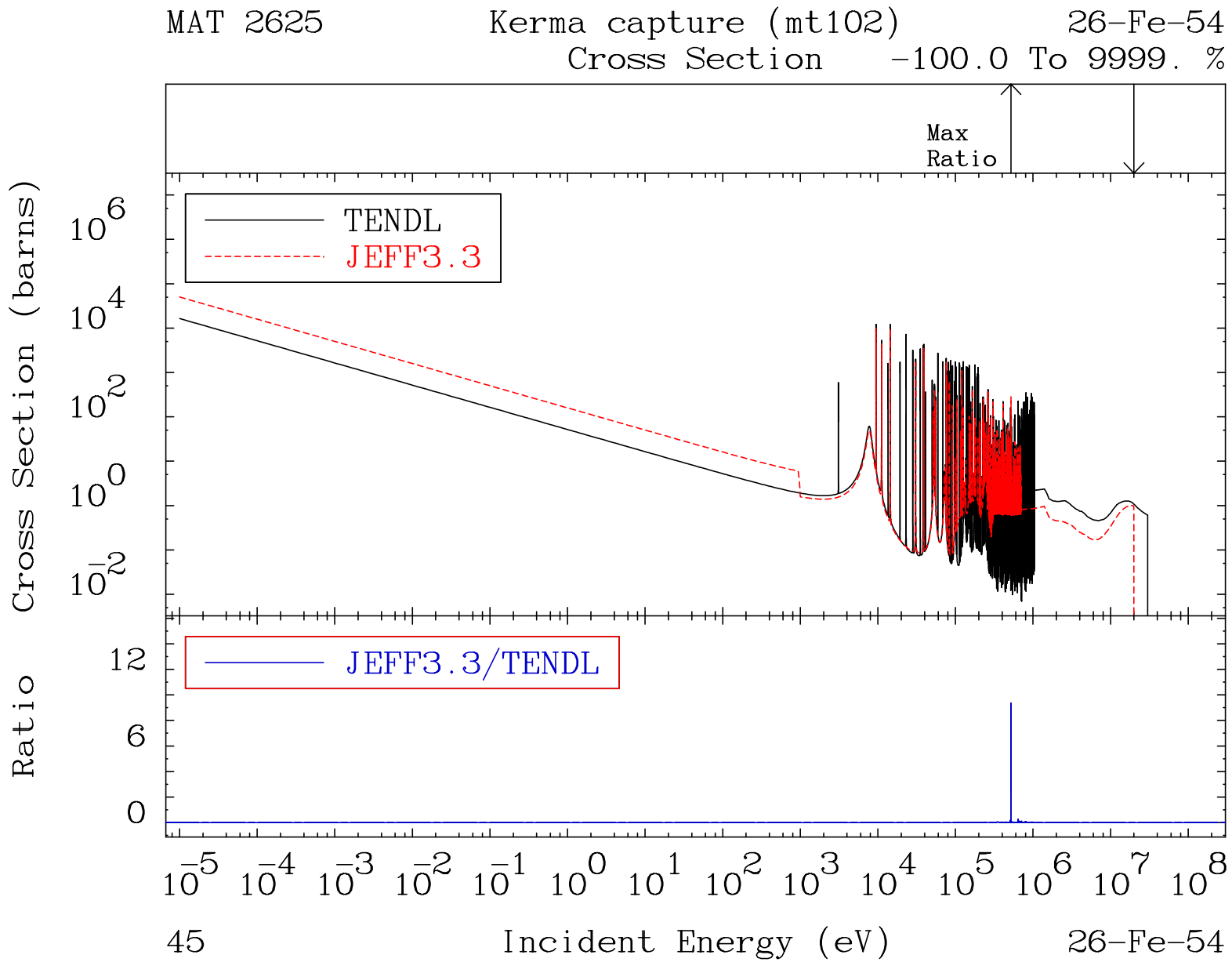

MAT 2625
Kerma total (eV-barns)
26-Fe-54
Cross Section -99.67 To 1679. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
26-Fe-54

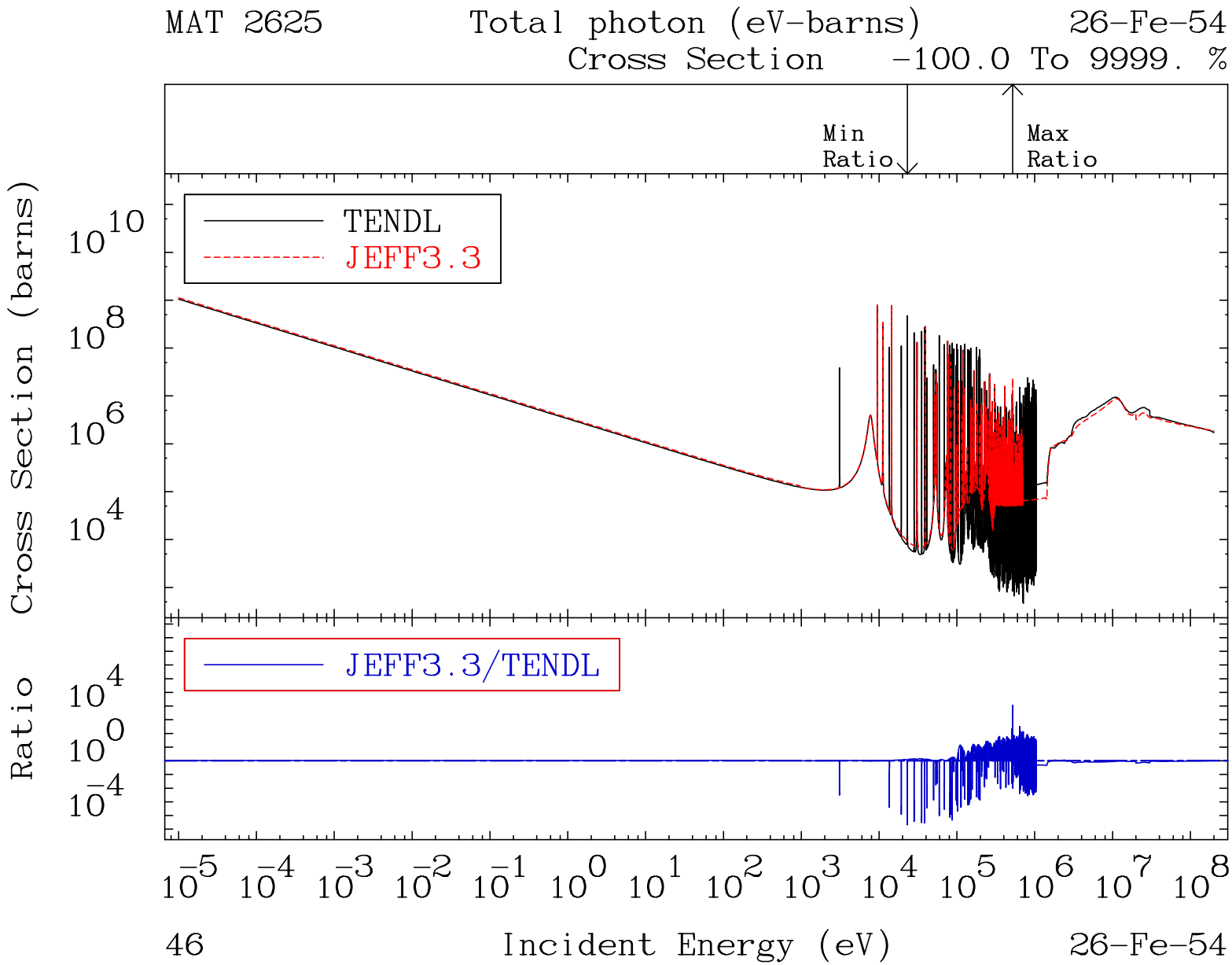

MAT 2625
Kerma elastic
Cross Section
26-Fe-54
-99.67 To 2929. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
26-Fe-54

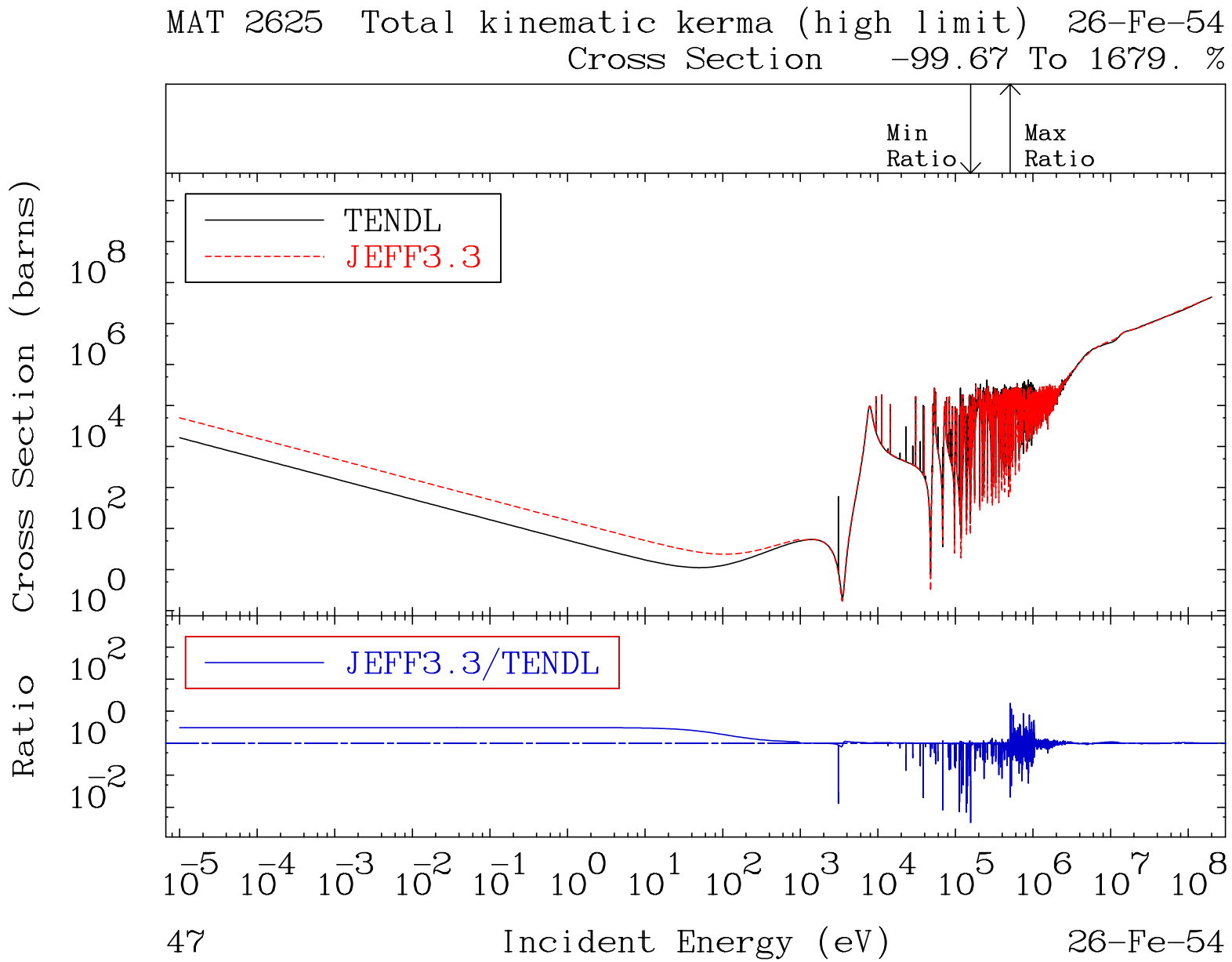

MAT 2625 Kerma non-elastic (all but mt2) 26-Fe-54
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
26-Fe-54

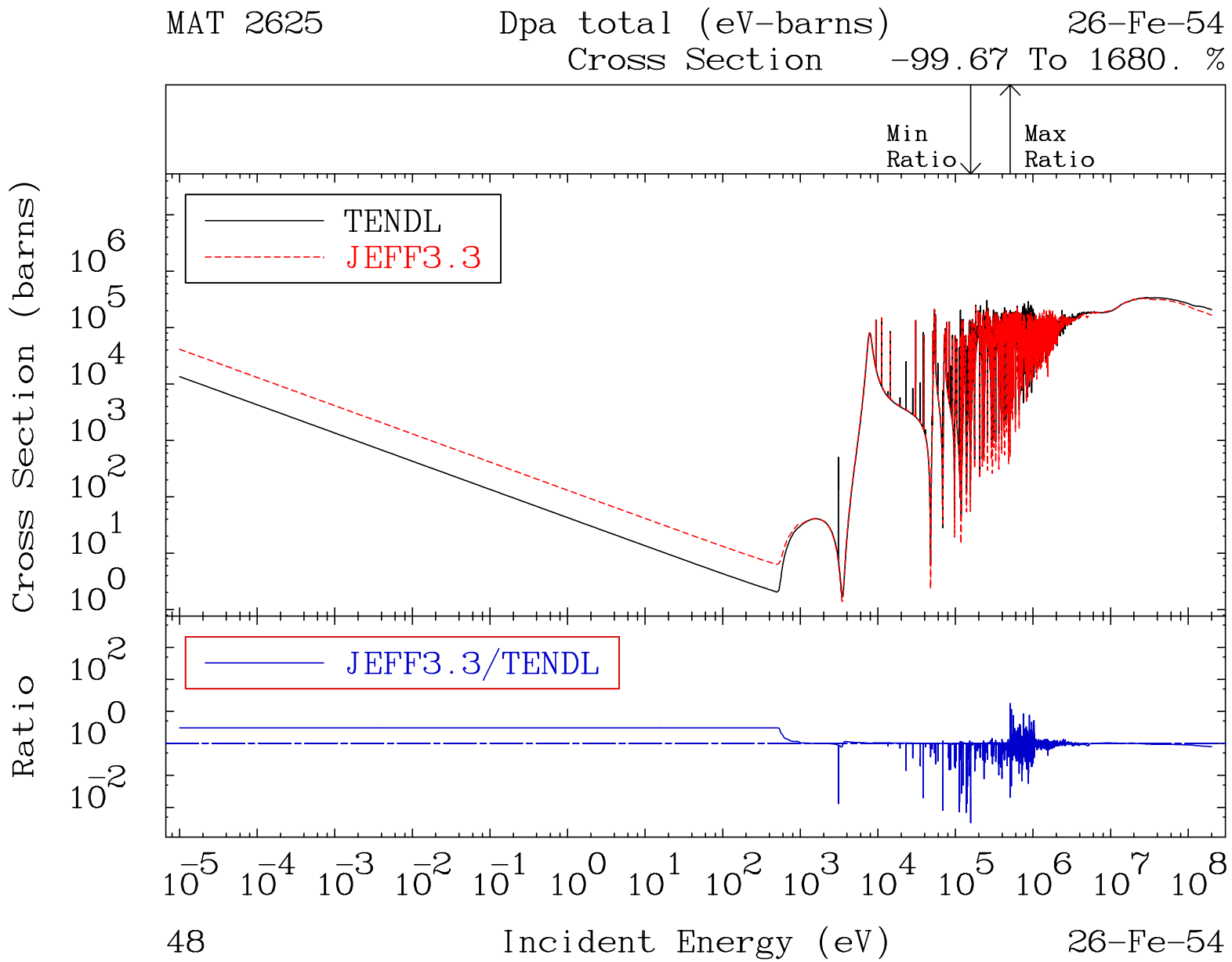

MAT 2625
Kerma inelastic (mt51-91)
26-Fe-54
Cross Section -100.0 To 176.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.4345 MeV
JEFF3.3 Threshold 1.4345 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
43
26-Fe-54

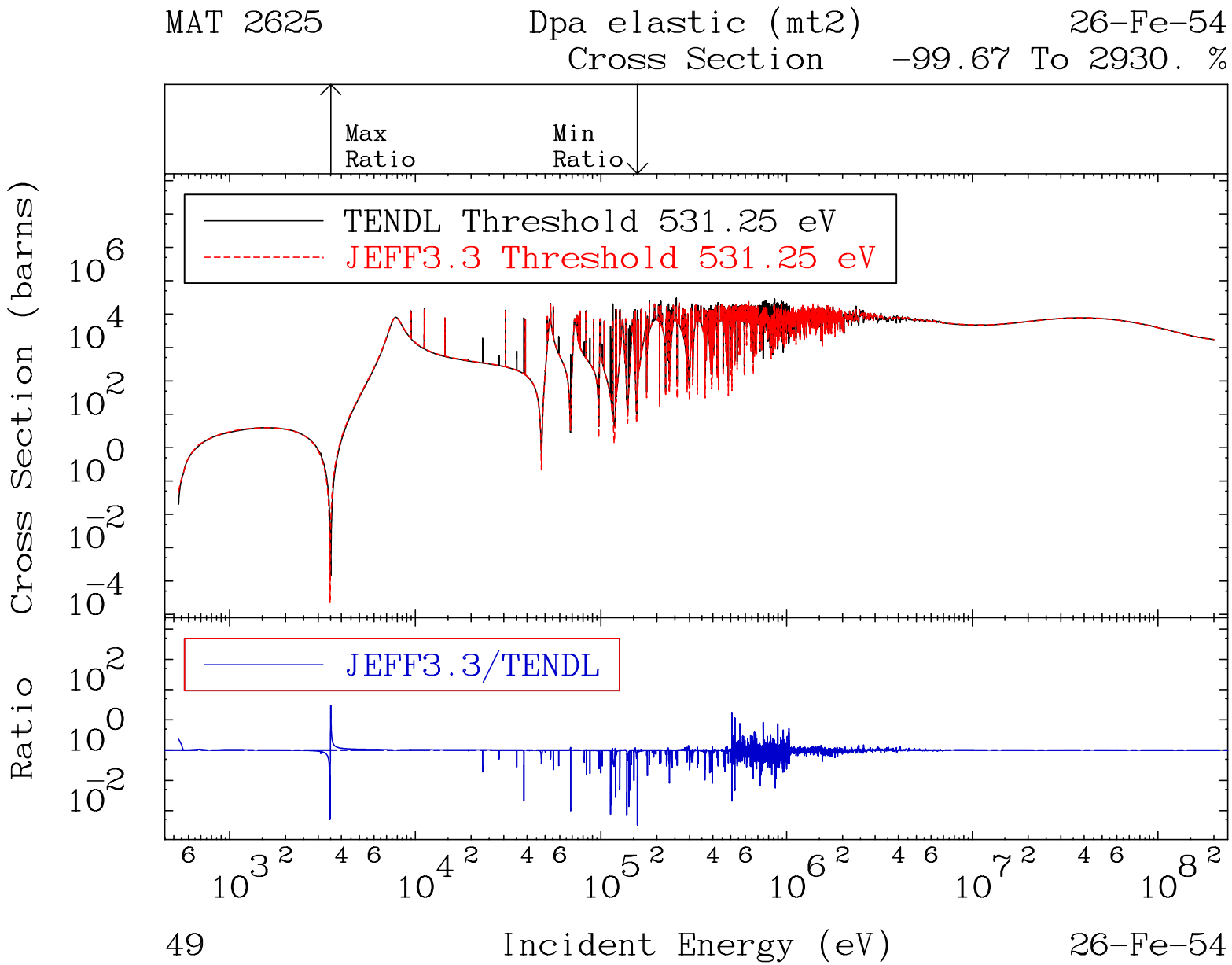

MAT 2625 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-54
Cross Section -100.0 To 176.0 %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
44
Incident Energy (eV)
26-Fe-54

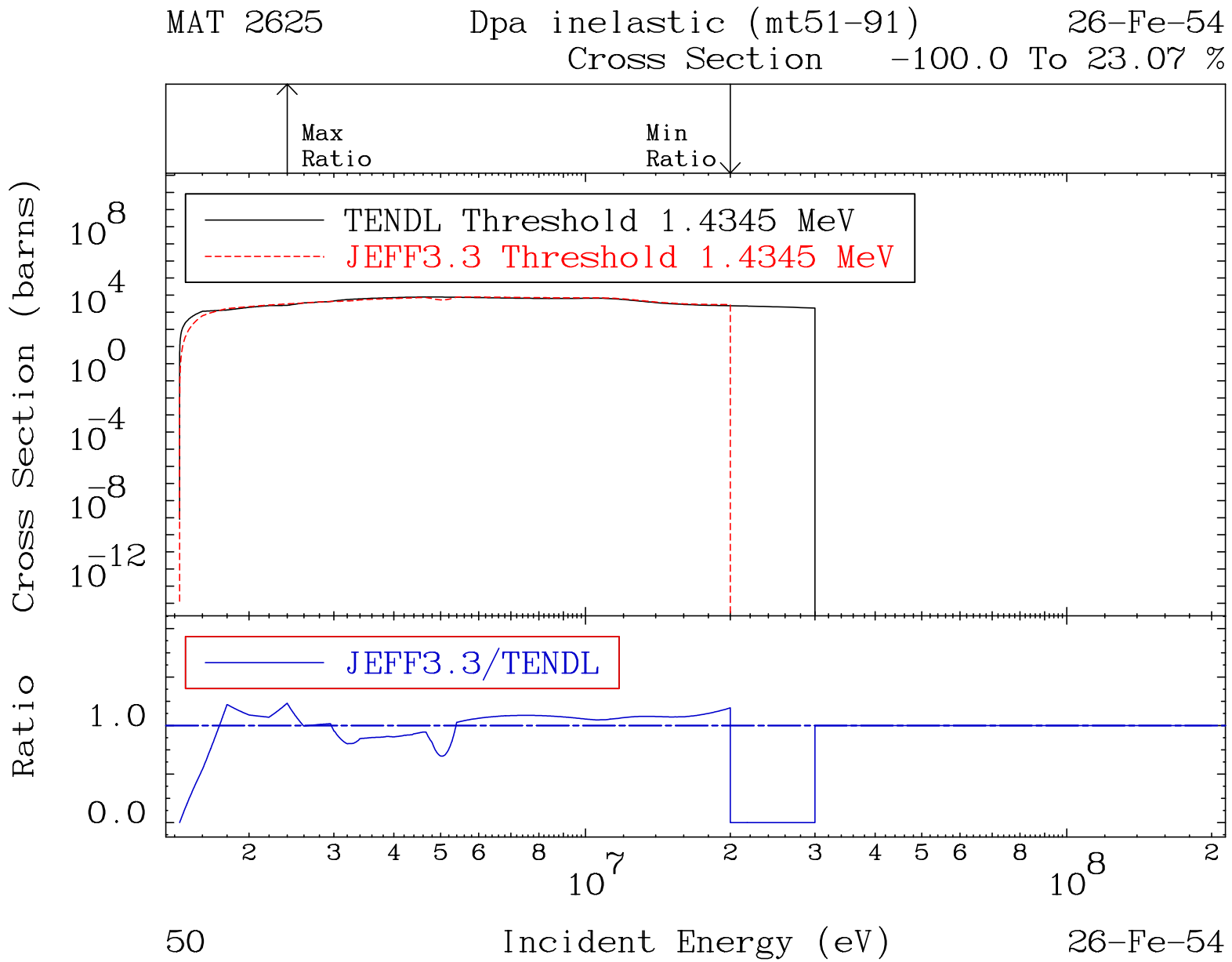

MAT 2625
Kerma capture (mt102)
26-Fe-54
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
45
26-Fe-54

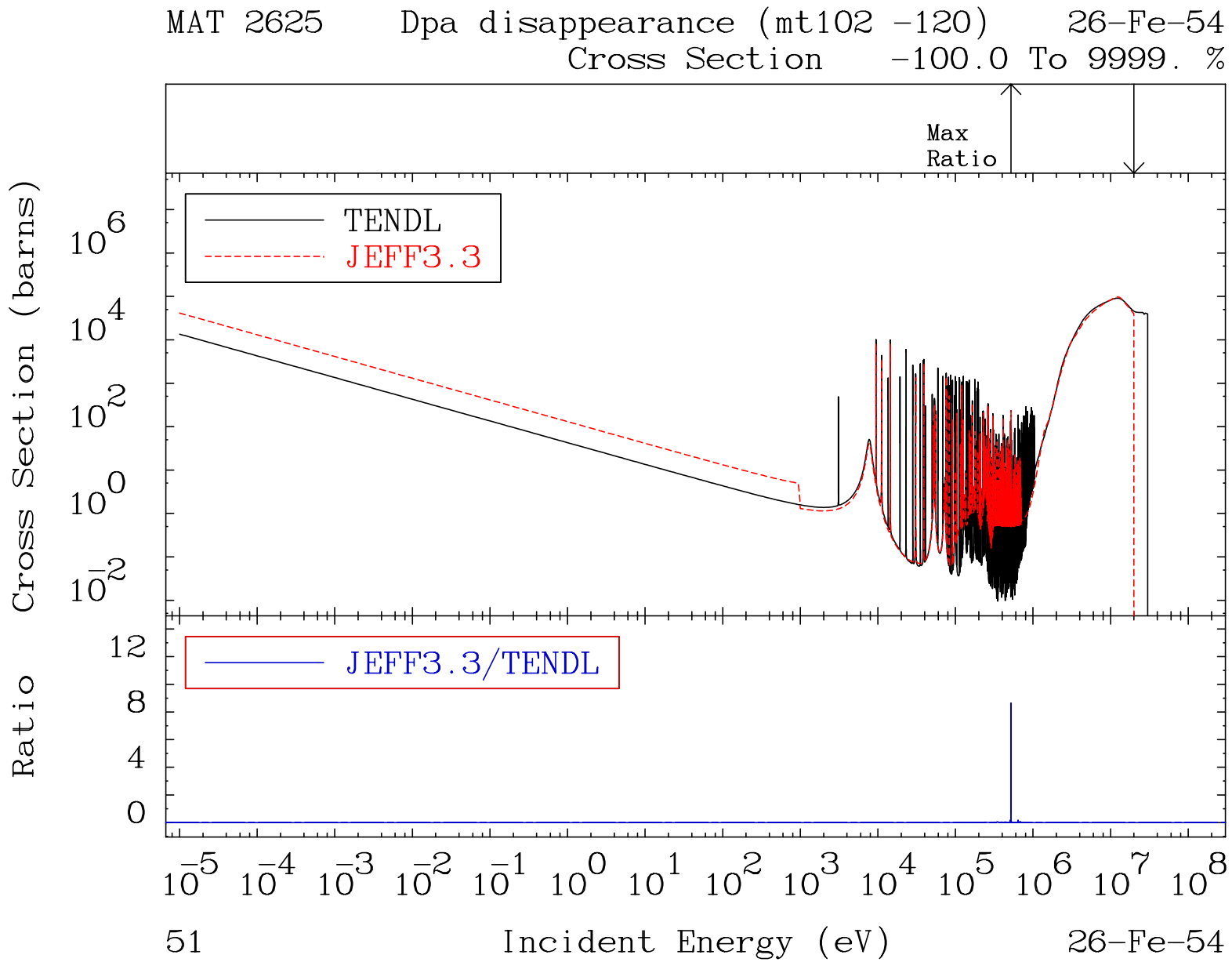

MAT 2625
Total photon (eV-barns)
26-Fe-54
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
26-Fe-54

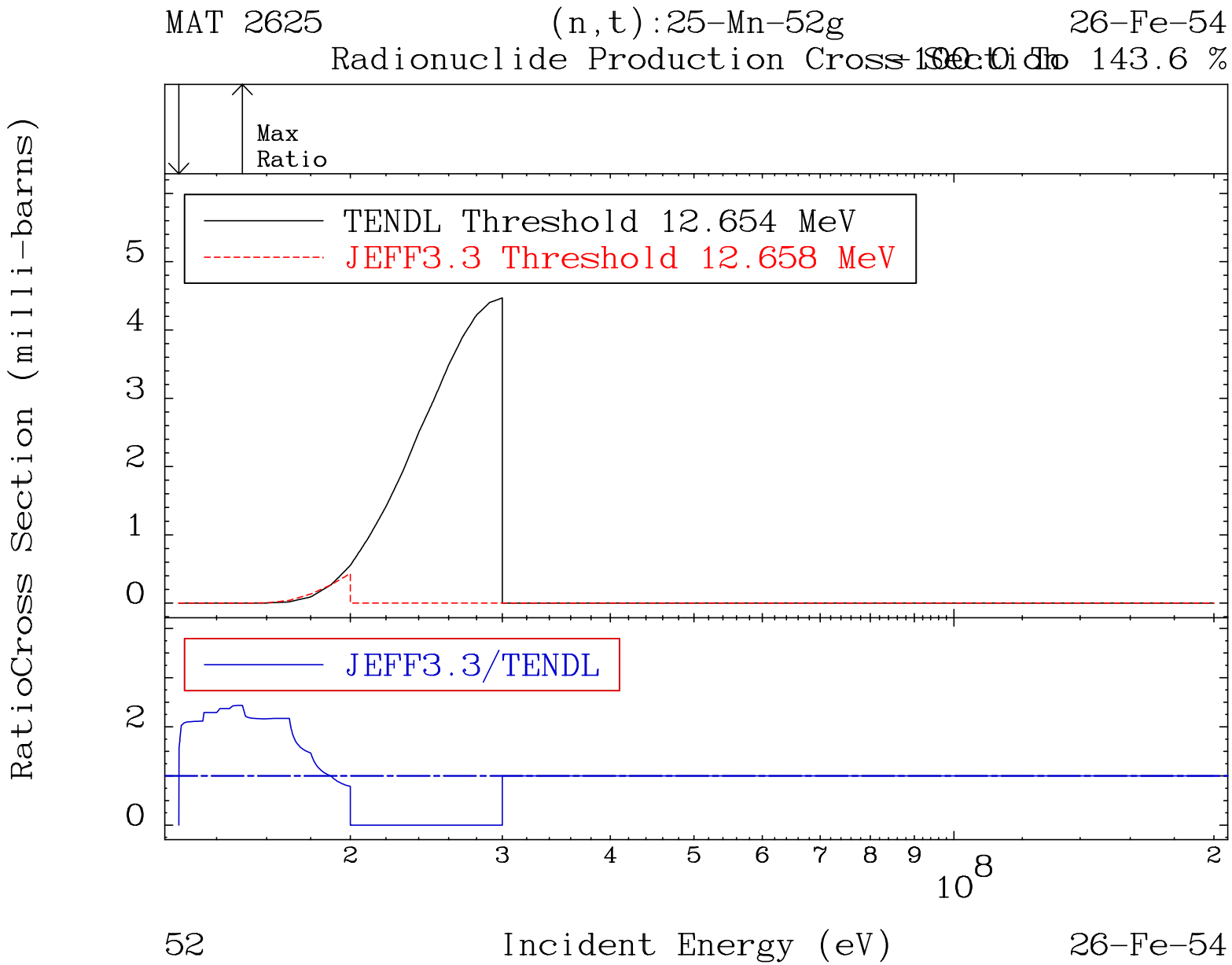

MAT 2625 Total kinematic kerma (high limit) 26-Fe-54
Cross Section -99.67 To 1679. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
26-Fe-54

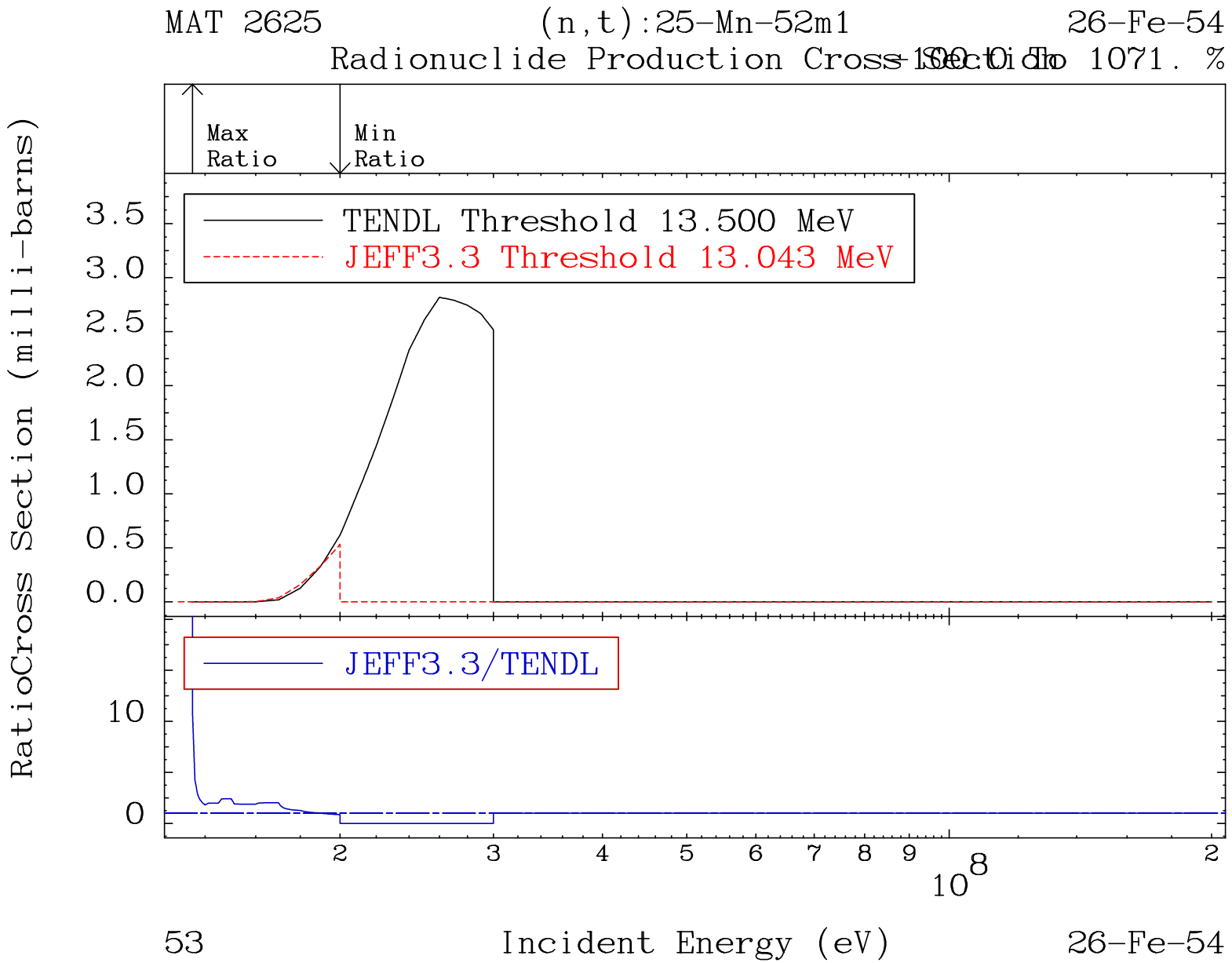

MAT 2625
Dpa total (eV-barns)
26-Fe-54
Cross Section -99.67 To 1680. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
26-Fe-54


MAT 2625
Dpa elastic (mt2)
Cross Section
26-Fe-54
-99.67 To 2930. %
Max Ratio
Min Ratio
TENDL Threshold 531.25 eV
JEFF3.3 Threshold 531.25 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
26-Fe-54


MAT 2625
Dpa inelastic (mt51-91)
26-Fe-54
Cross Section
-100.0 To 23.07 %
Max Ratio
Min Ratio
TENDL Threshold 1.4345 MeV
JEFF3.3 Threshold 1.4345 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
26-Fe-54


MAT 2625 Dpa disappearance (mt102 -120) 26-Fe-54
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
51
26-Fe-54


MAT 2625
(n,t):25-Mn-52g
26-Fe-54
Radionuclide Production Cross Section To 143.6 %
Max
Ratio
TENDL Threshold 12.654 MeV
JEFF3.3 Threshold 12.658 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
0
2
2
3
4
5
6
7
8
9
2
10 8
52
Incident Energy (eV)
26-Fe-54


MAT 2625
(n,t):25-Mn-52m1
26-Fe-54
Radionuclide Production Cross Section To 1071. %
Max Ratio
Min Ratio
TENDL Threshold 13.500 MeV
JEFF3.3 Threshold 13.043 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10
0
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
26-Fe-54