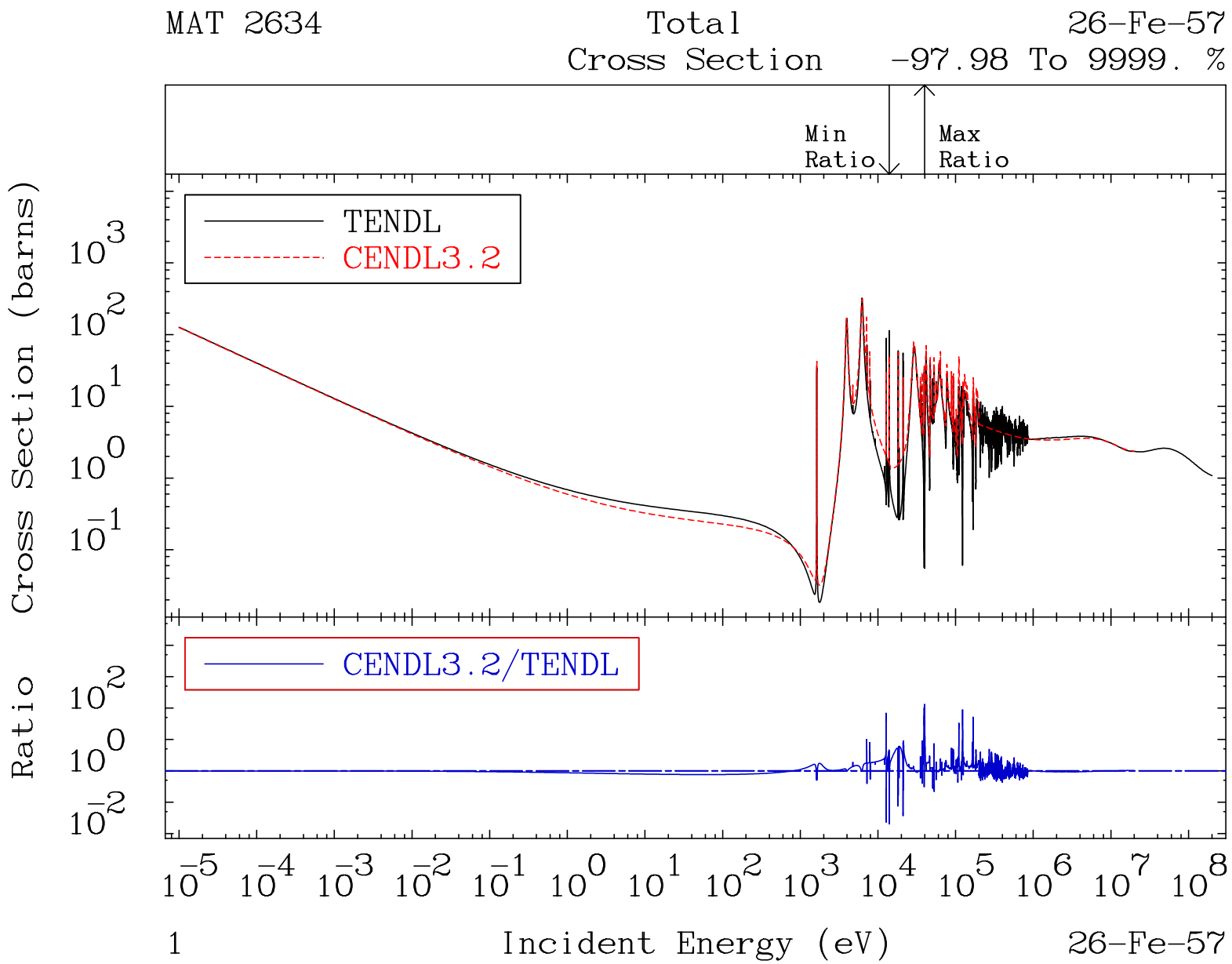
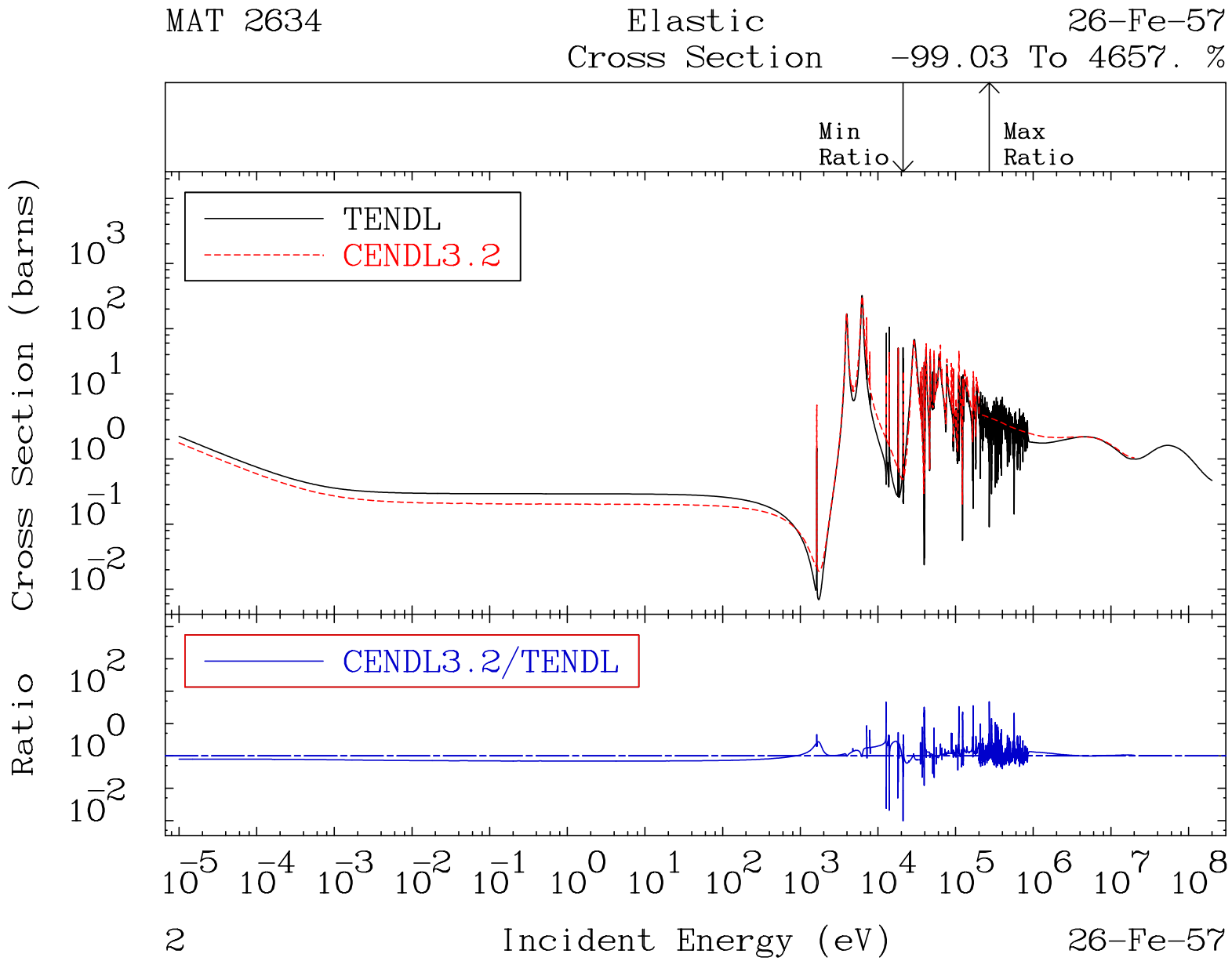
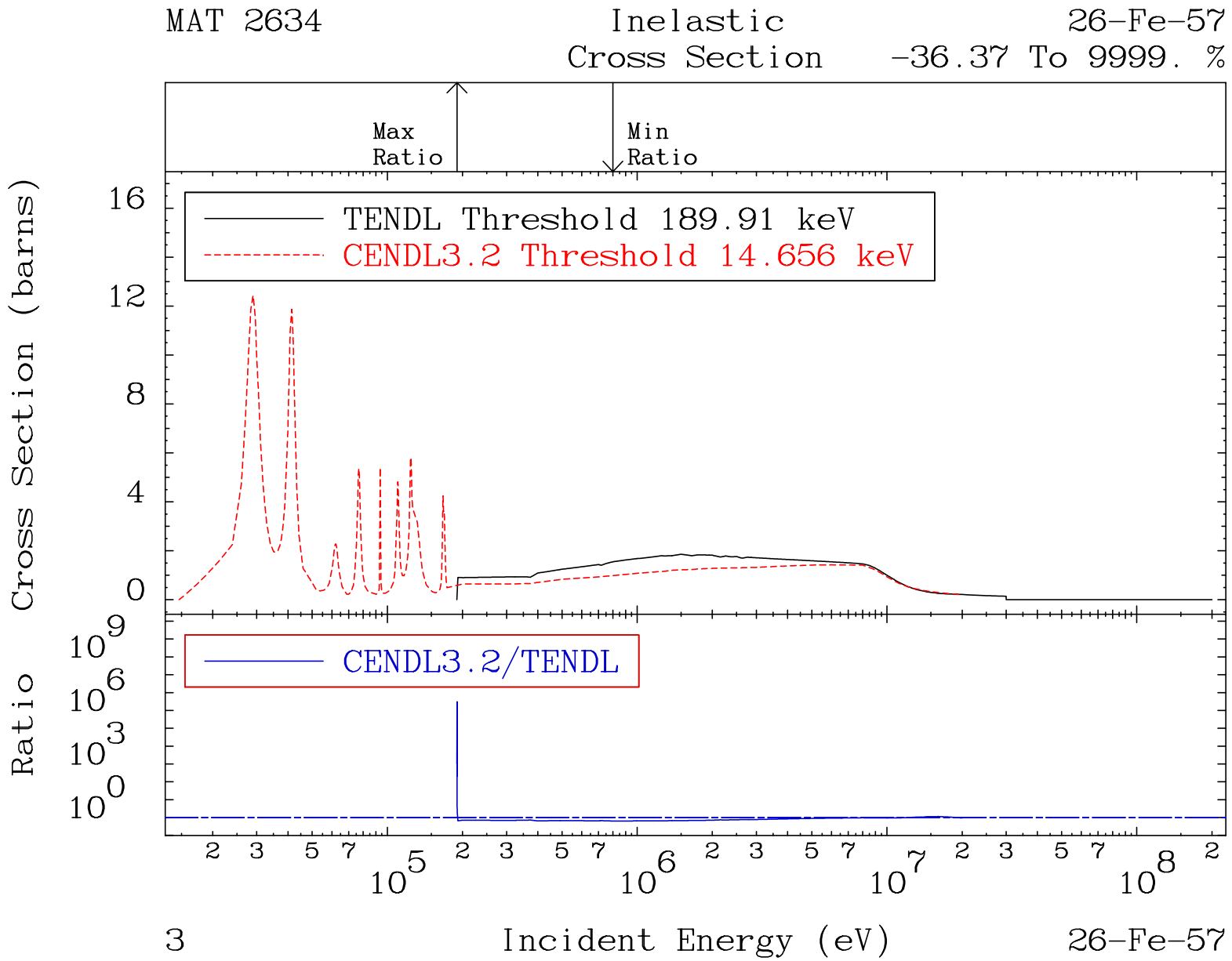
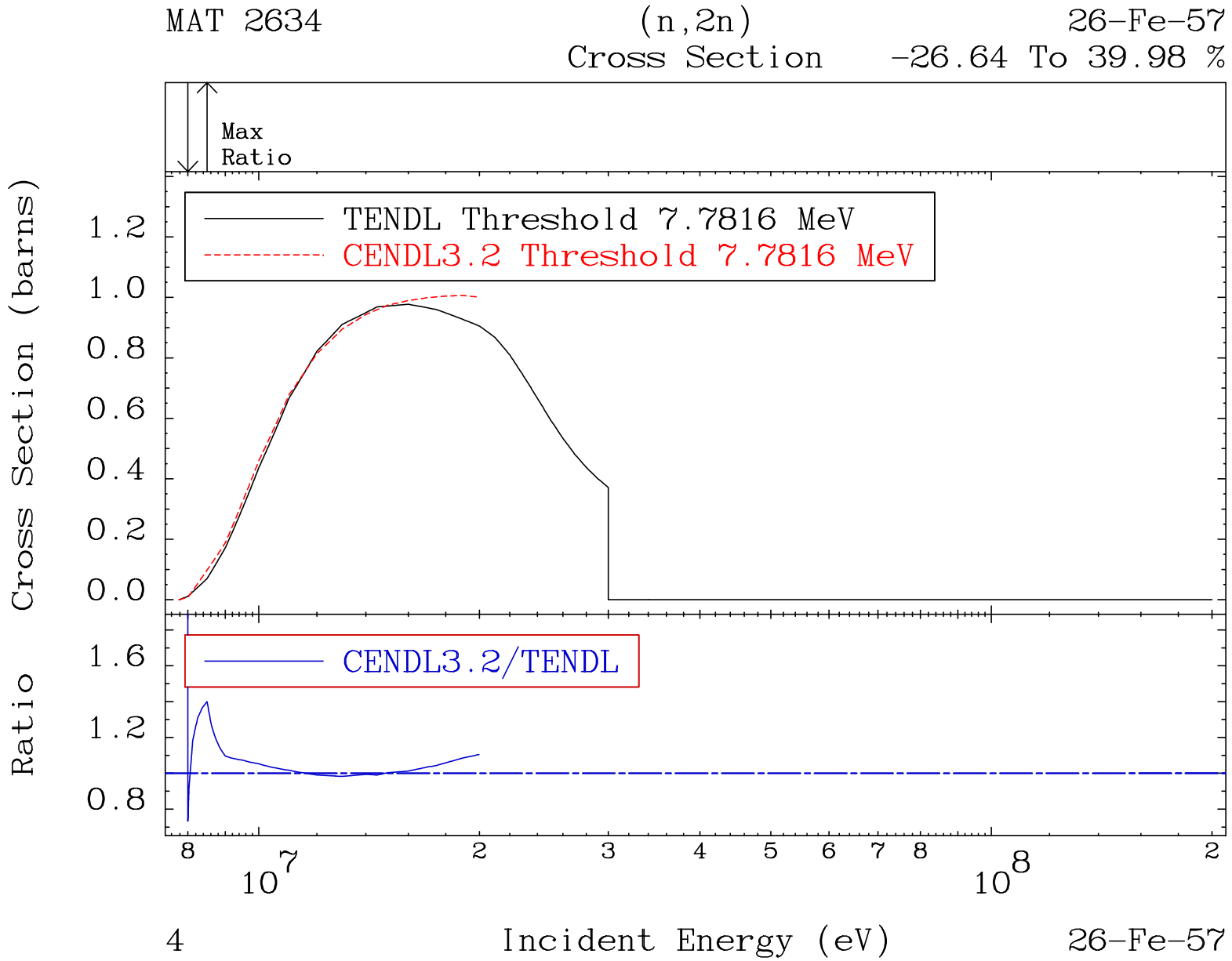
Program Complot
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

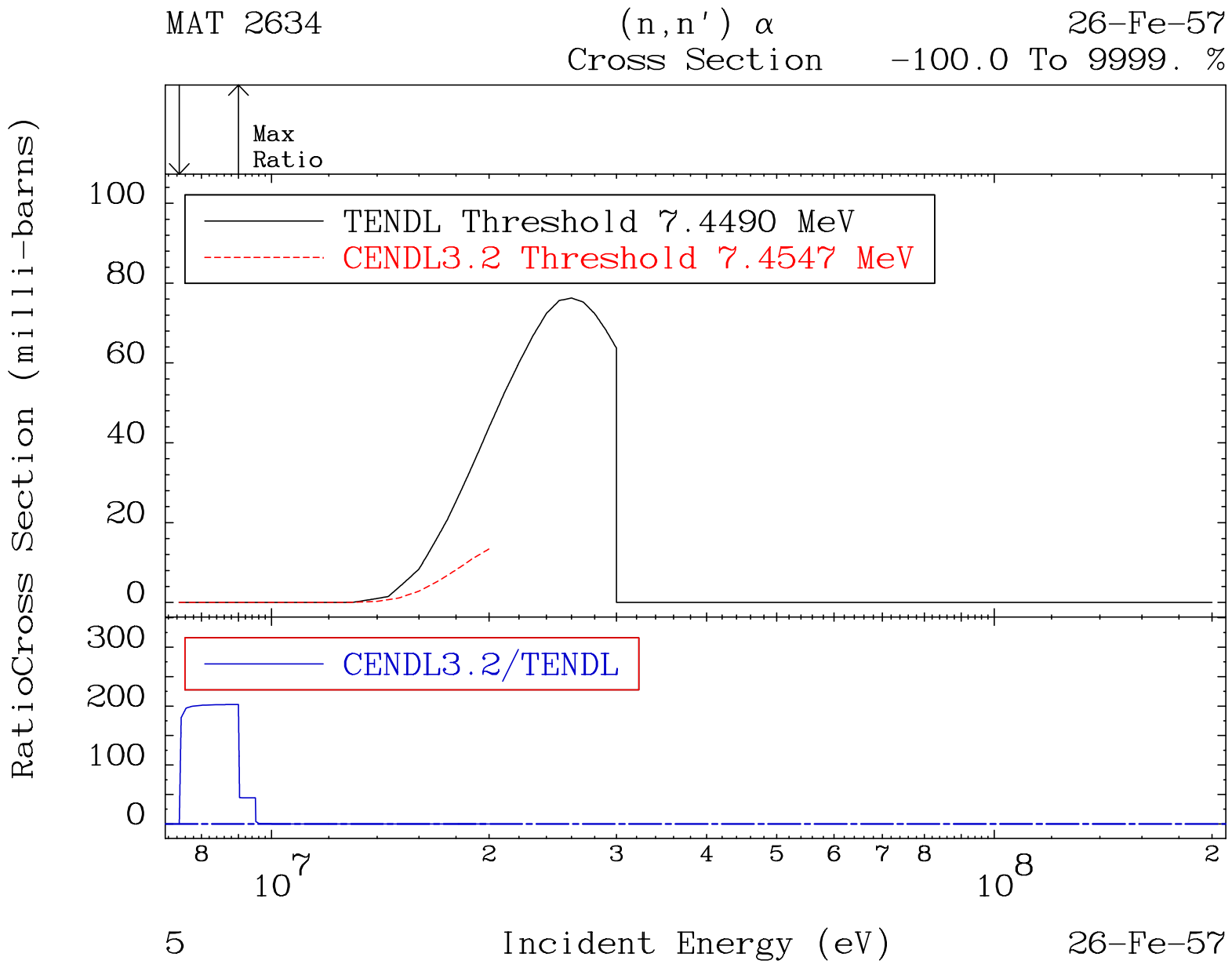
Press Mouse Button to Start

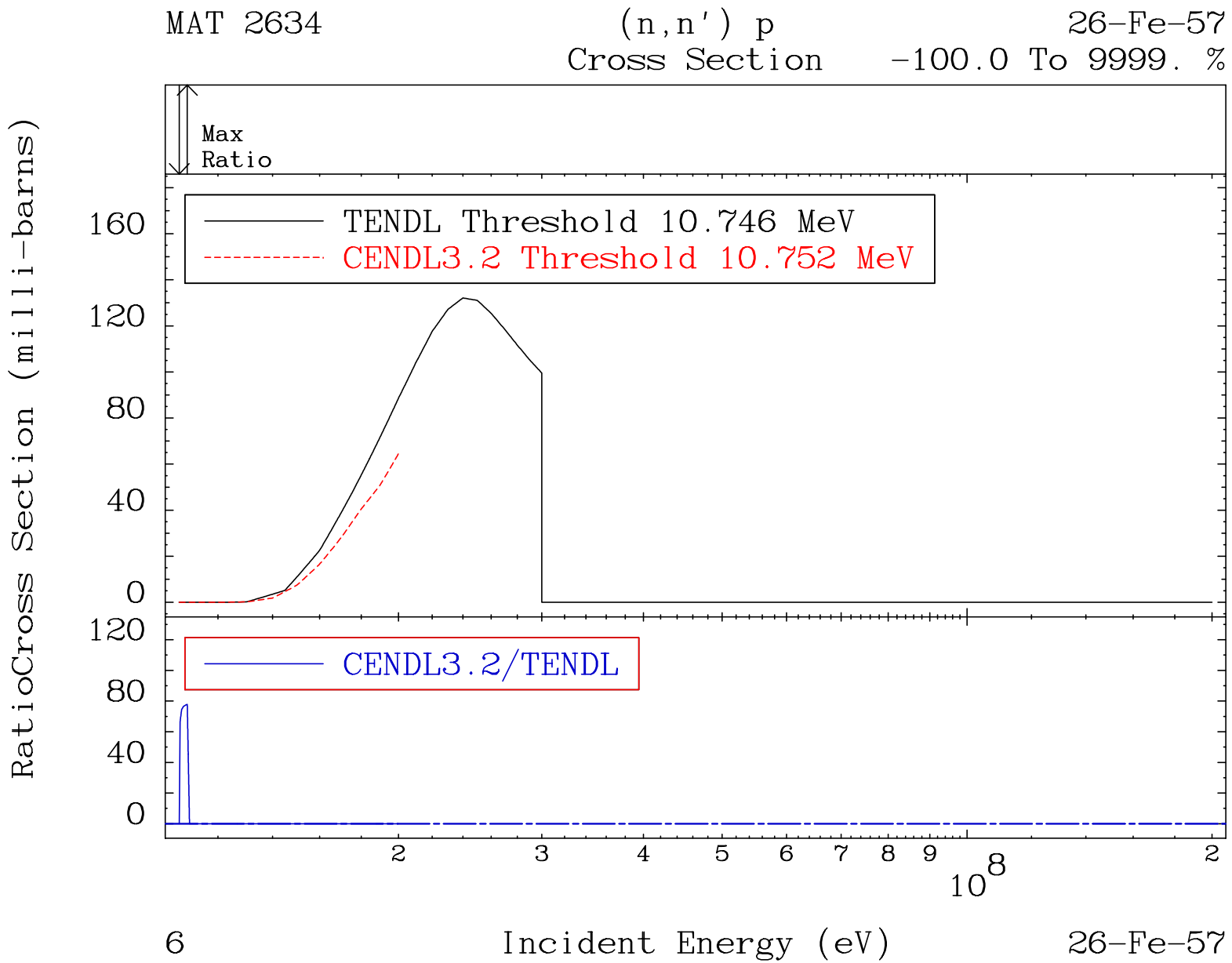

MAT 2634
Total
Cross Section
26-Fe-57
-97.98 To 9999. %
Min
Ratio
Max
Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
1
26-Fe-57

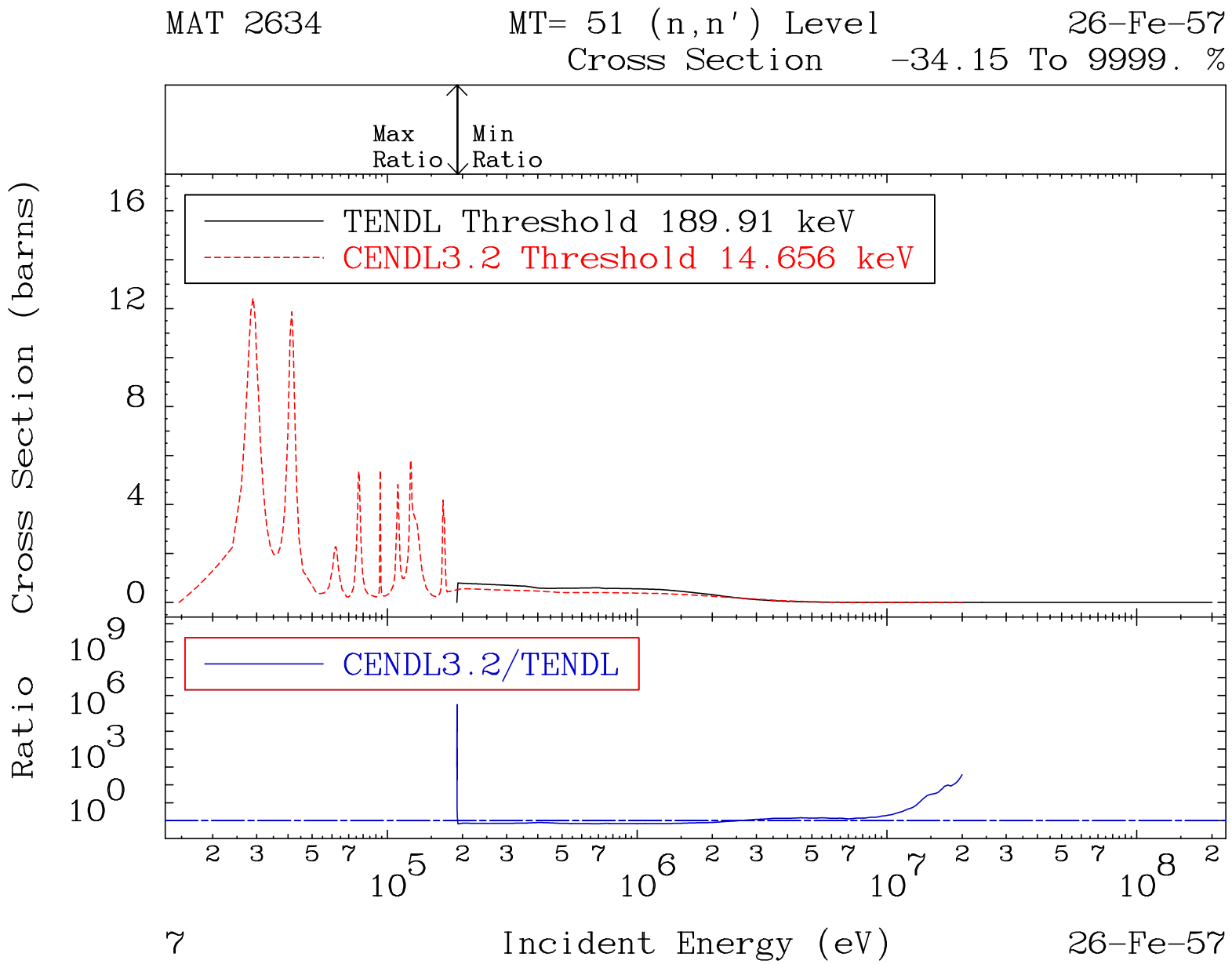

MAT 2634
Elastic
Cross Section
26-Fe-57
-99.03 To 4657. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
26-Fe-57

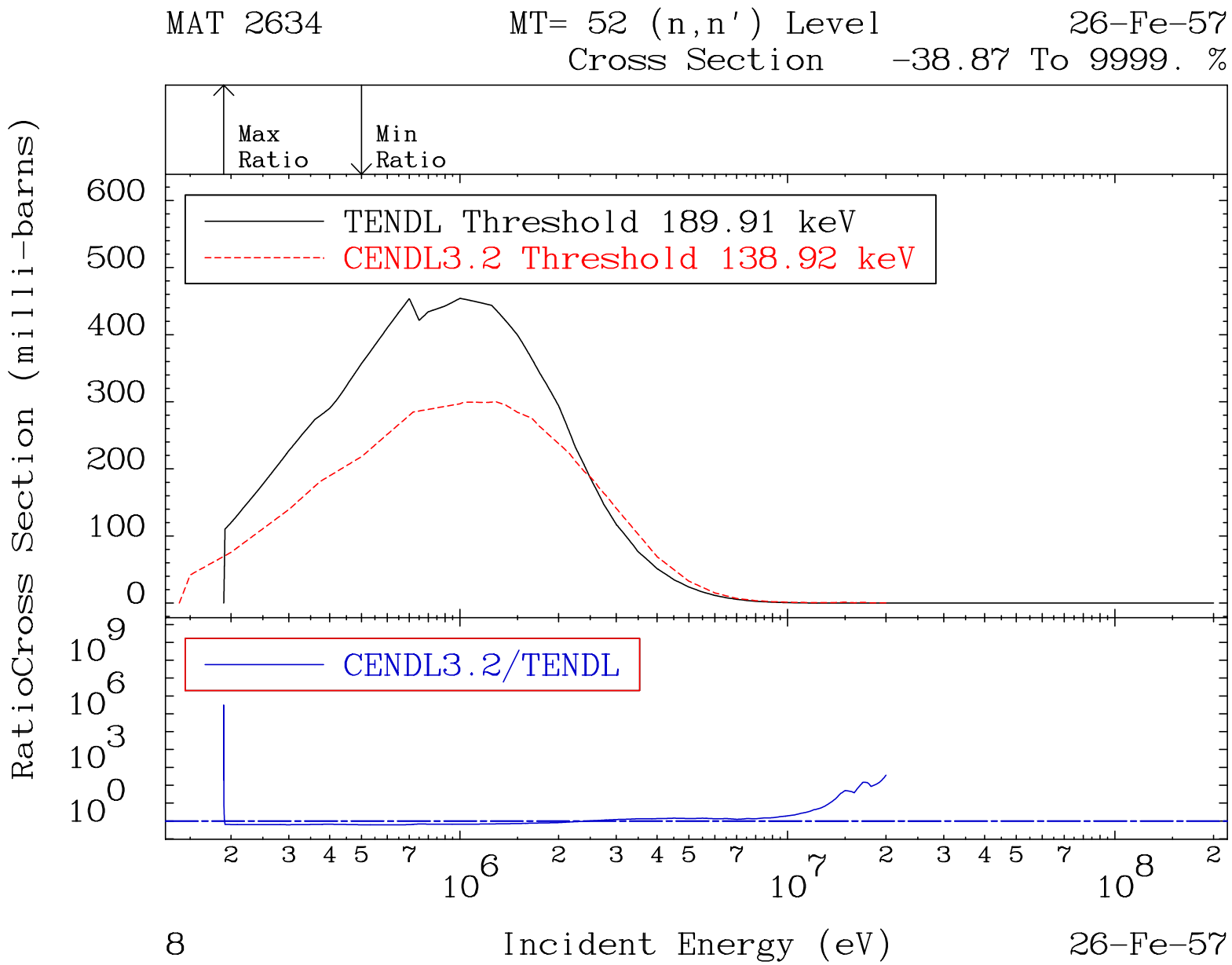

MAT 2634
Inelastic
Cross Section
26-Fe-57
-36.37 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 189.91 keV
CENDL3.2 Threshold 14.656 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
16
12
8
4
0
10^9
10^6
10^3
10^0
2 3 5 7 2 3 5 7 2 3 5 7 2 3 5 7 2
10^5
10^6
10^7
10^8
3
Incident Energy (eV)
26-Fe-57

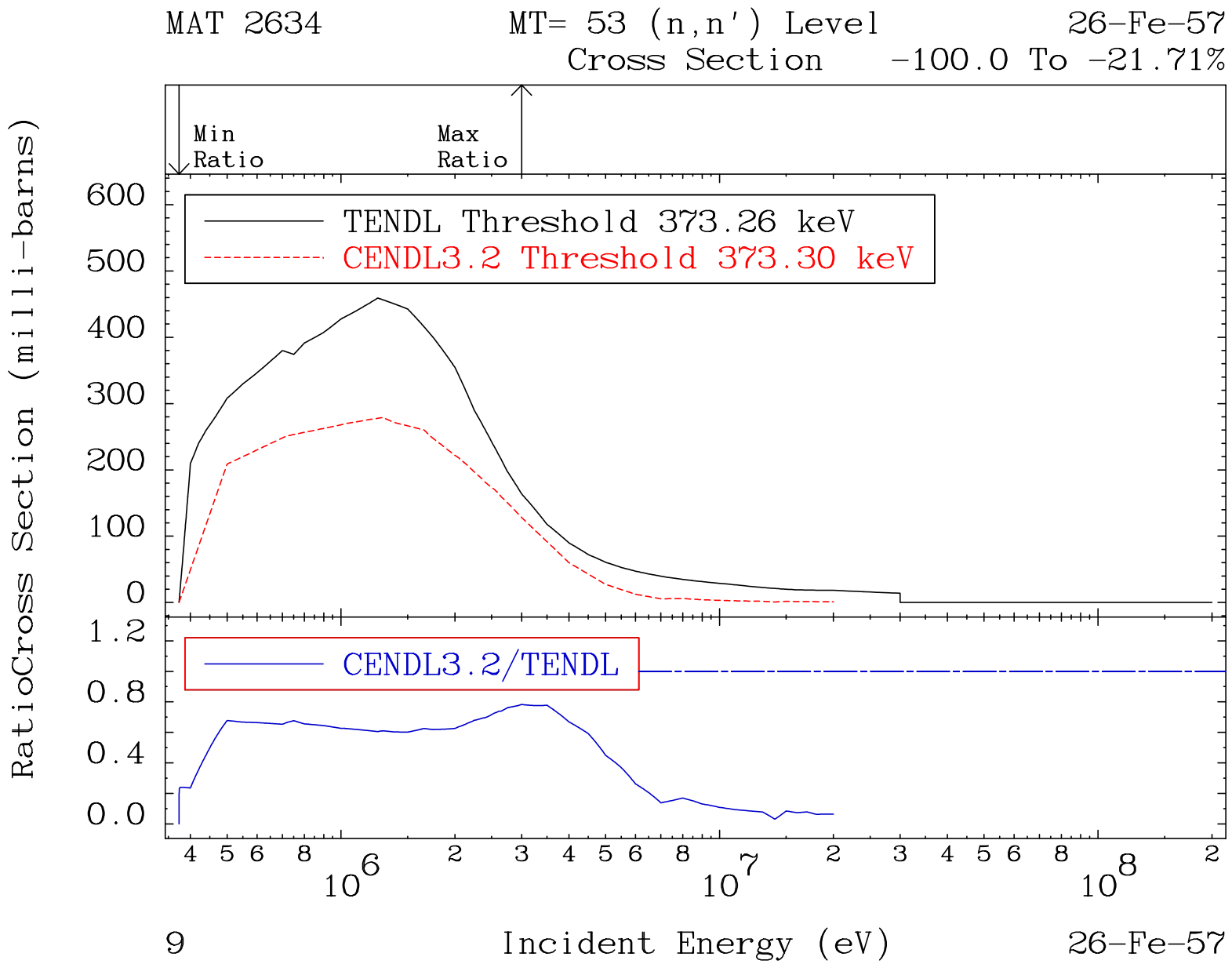

MAT 2634
(n,2n)
Cross Section
26-Fe-57
-26.64 To 39.98 %
Max
Ratio
TENDL Threshold 7.7816 MeV
CENDL3.2 Threshold 7.7816 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.6
1.2
0.8
8
10^7
2
3
4
5
6
7
8
10^8
2
4
Incident Energy (eV)
26-Fe-57

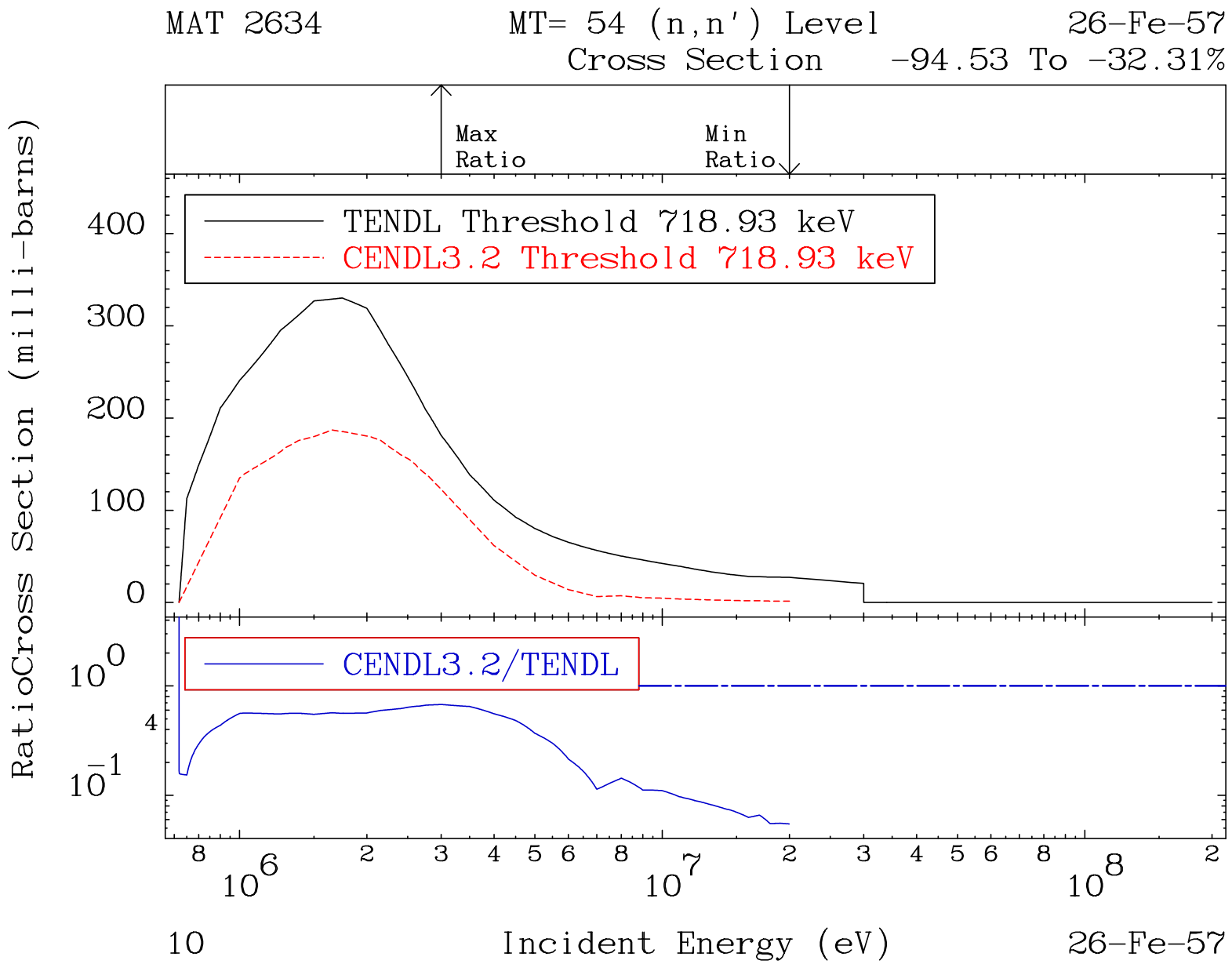

MAT 2634
(n,n') α
Cross Section
26-Fe-57
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.4490 MeV
CENDL3.2 Threshold 7.4547 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
300
200
100
0
8
10^7
2
3
4
5
6
7
8
10^8
2
5
Incident Energy (eV)
26-Fe-57

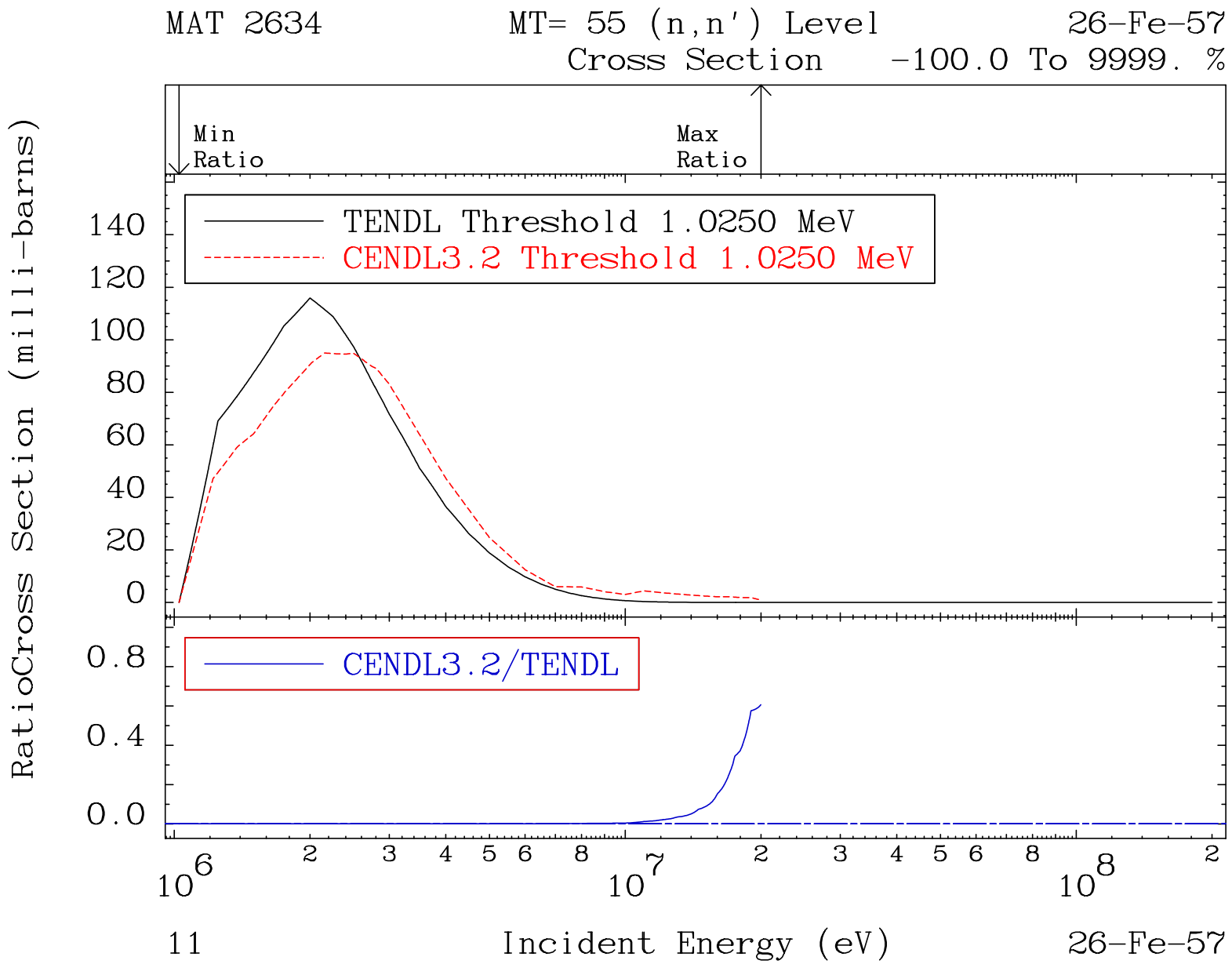

MAT 2634
(n,n') p
Cross Section
26-Fe-57
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 10.746 MeV
CENDL3.2 Threshold 10.752 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
120
80
40
0
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
6
26-Fe-57

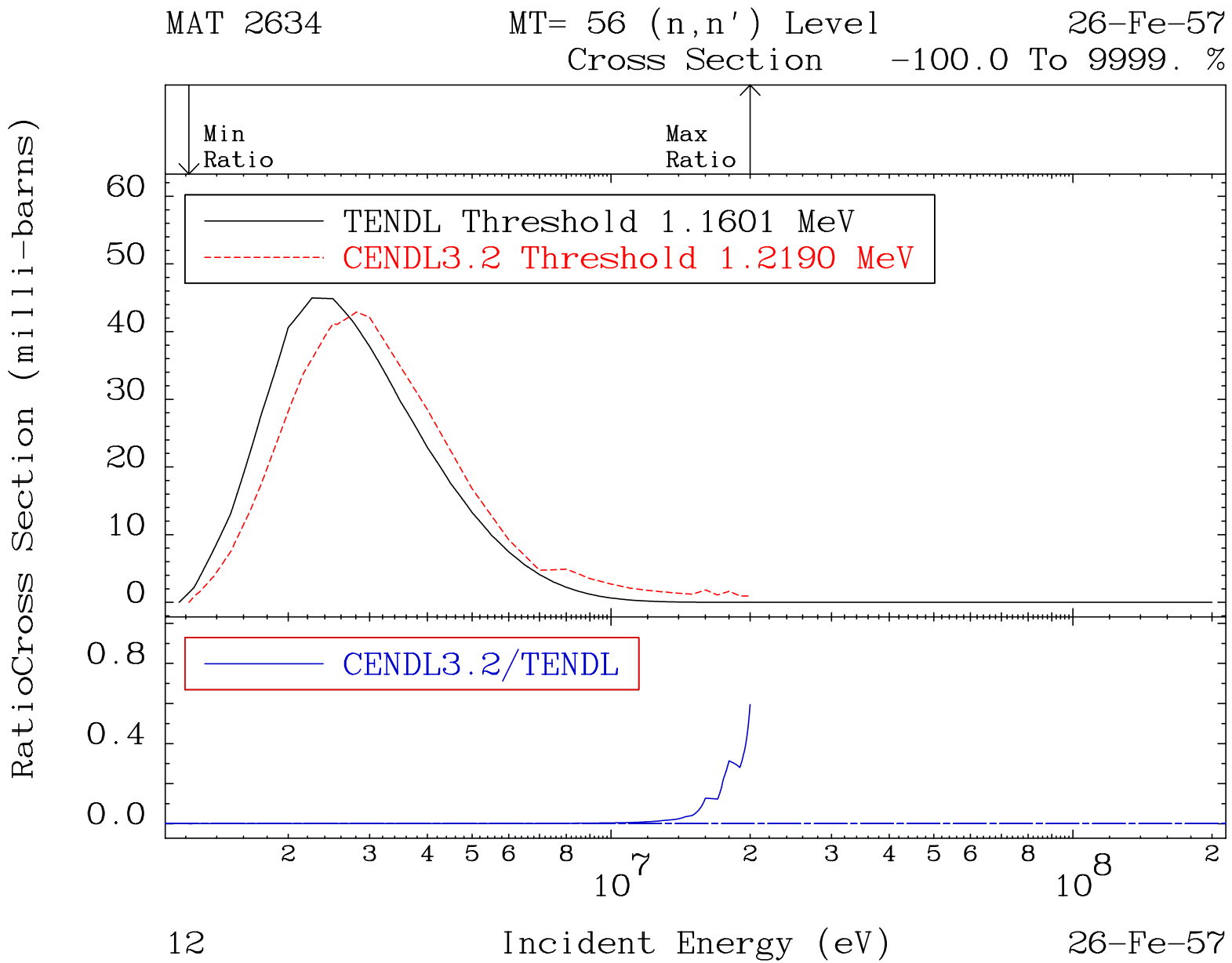

MAT 2634
MT= 51 (n,n') Level
26-Fe-57
Cross Section -34.15 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 189.91 keV
CENDL3.2 Threshold 14.656 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26-Fe-57

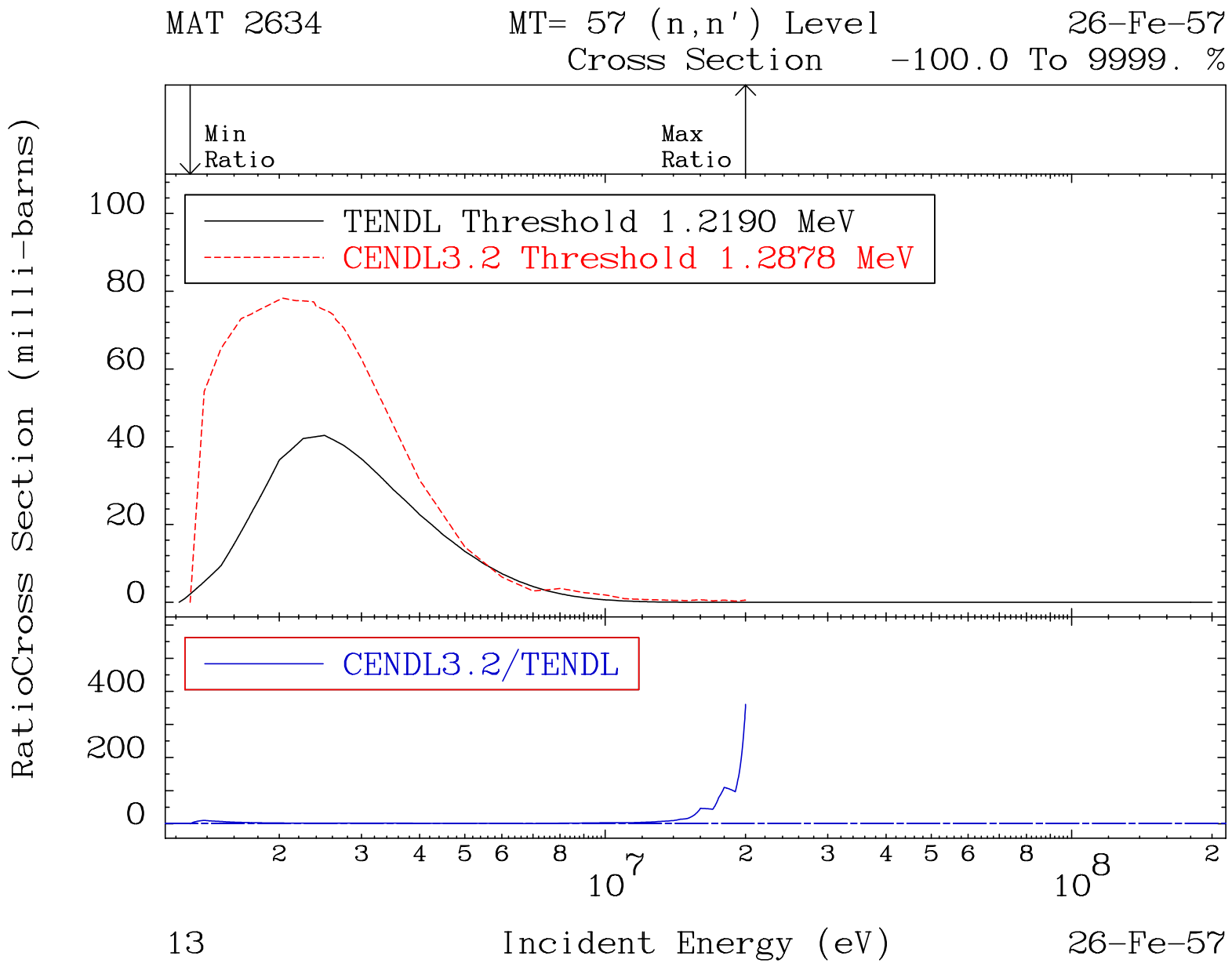

MAT 2634
MT= 52 (n,n') Level
26-Fe-57
Cross Section
-38.87 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 189.91 keV
CENDL3.2 Threshold 138.92 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
10^9
10^6
10^3
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
8
26-Fe-57

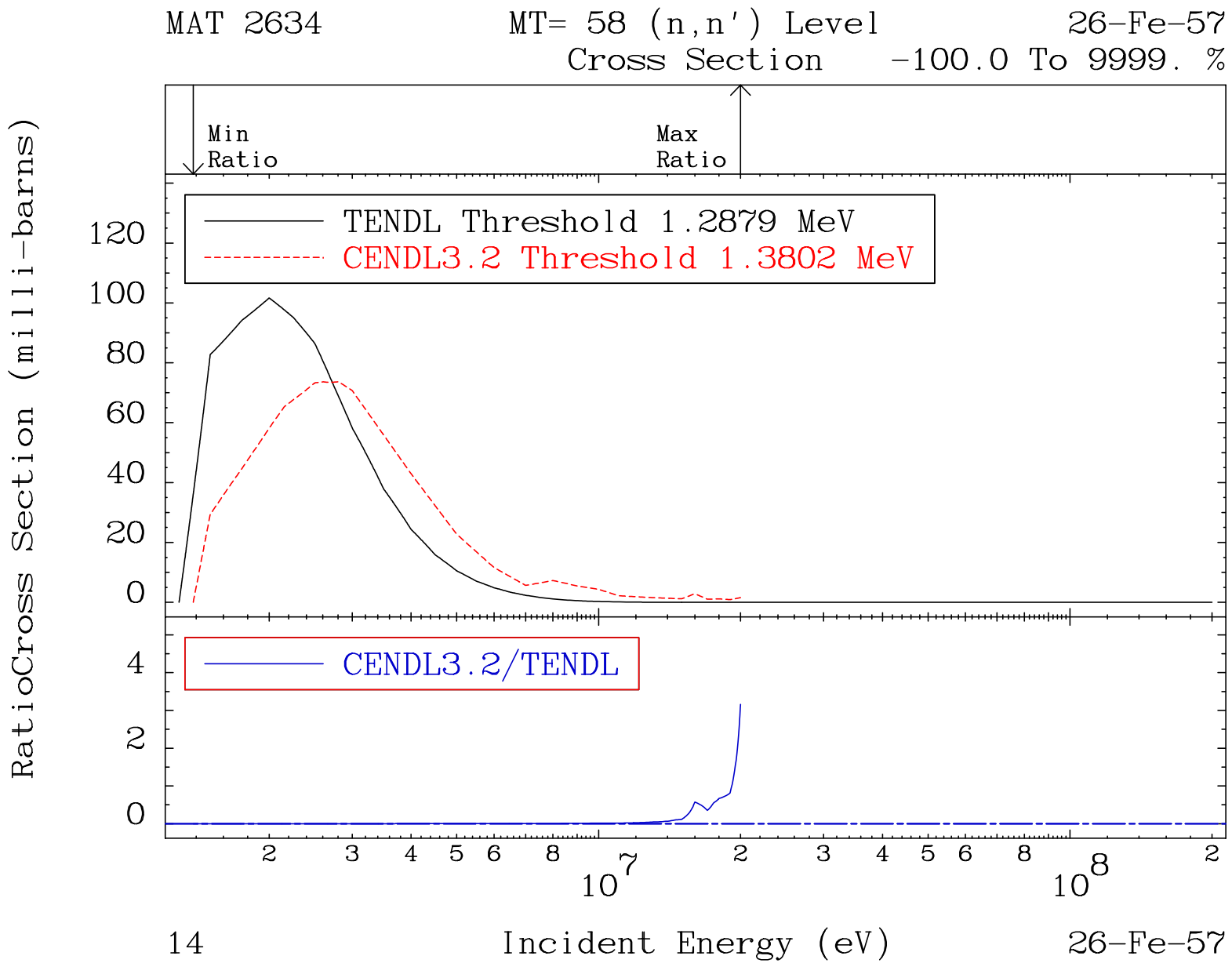

MAT 2634
MT= 53 (n,n') Level
26-Fe-57
Cross Section
-100.0 To -21.71%
Min Ratio
Max Ratio
TENDL Threshold 373.26 keV
CENDL3.2 Threshold 373.30 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.8
0.4
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
9
26-Fe-57

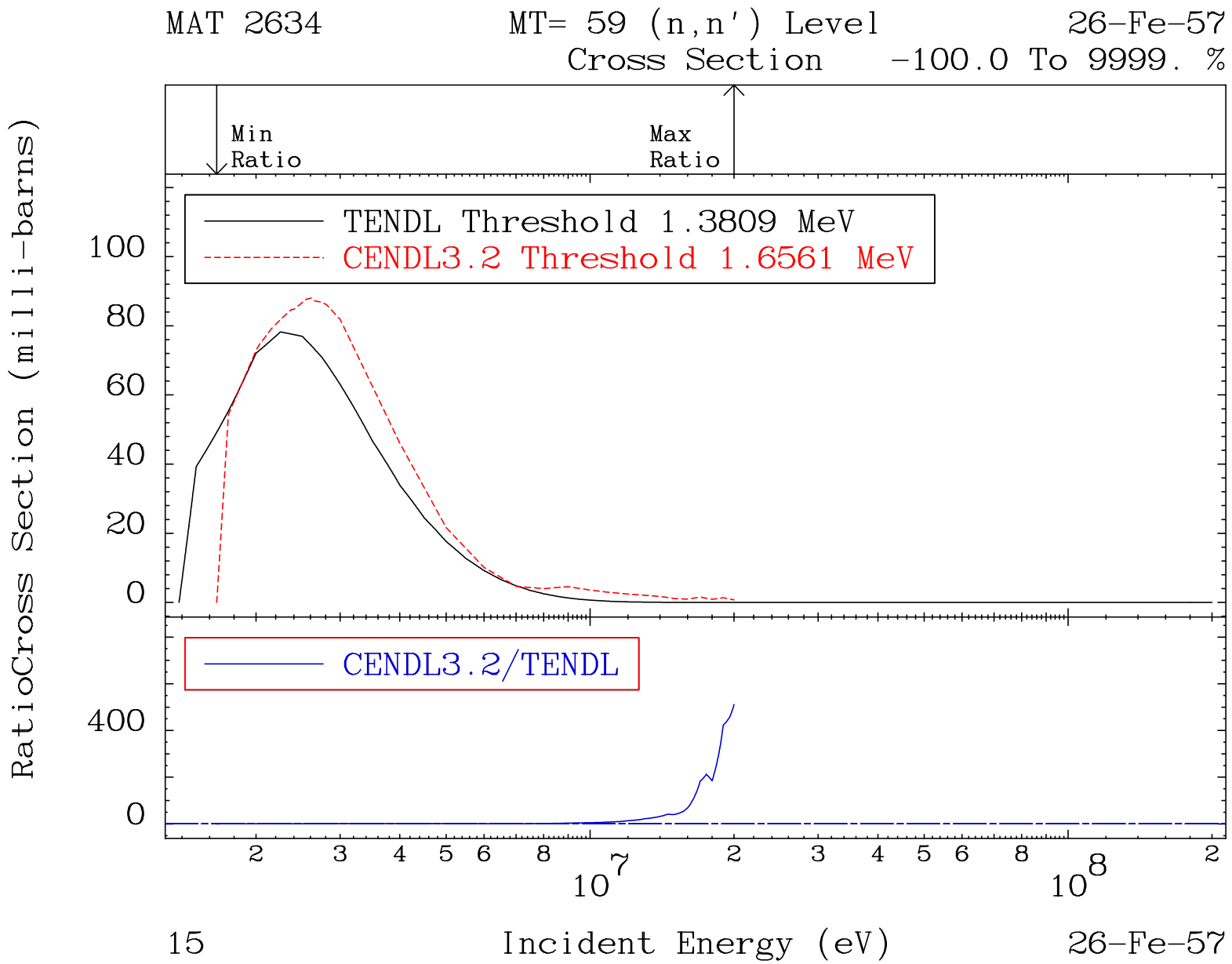

MAT 2634
MT= 54 (n,n') Level
26-Fe-57
Cross Section
-94.53 To -32.31%
Max Ratio
Min Ratio
TENDL Threshold 718.93 keV
CENDL3.2 Threshold 718.93 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^{0}
10^{-1}
4
8
2
3
4
5
6
8
10^{6}
10^{7}
10^{8}
10
Incident Energy (eV)
26-Fe-57

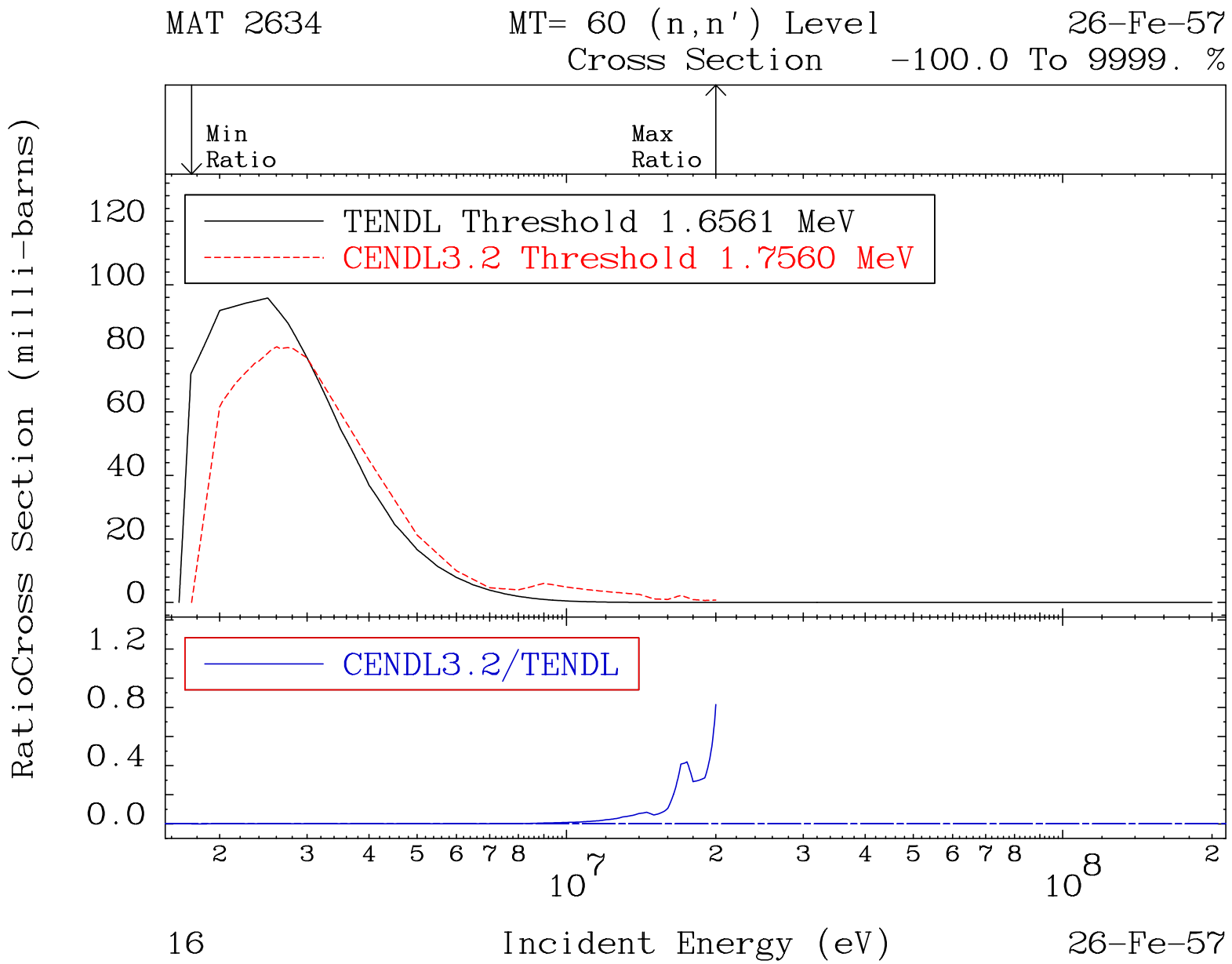

MAT 2634
MT= 55 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0250 MeV
CENDL3.2 Threshold 1.0250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
0.8
0.4
0.0
10^6
10^7
10^8
2
3
4
5
6
8
11
Incident Energy (eV)
26-Fe-57

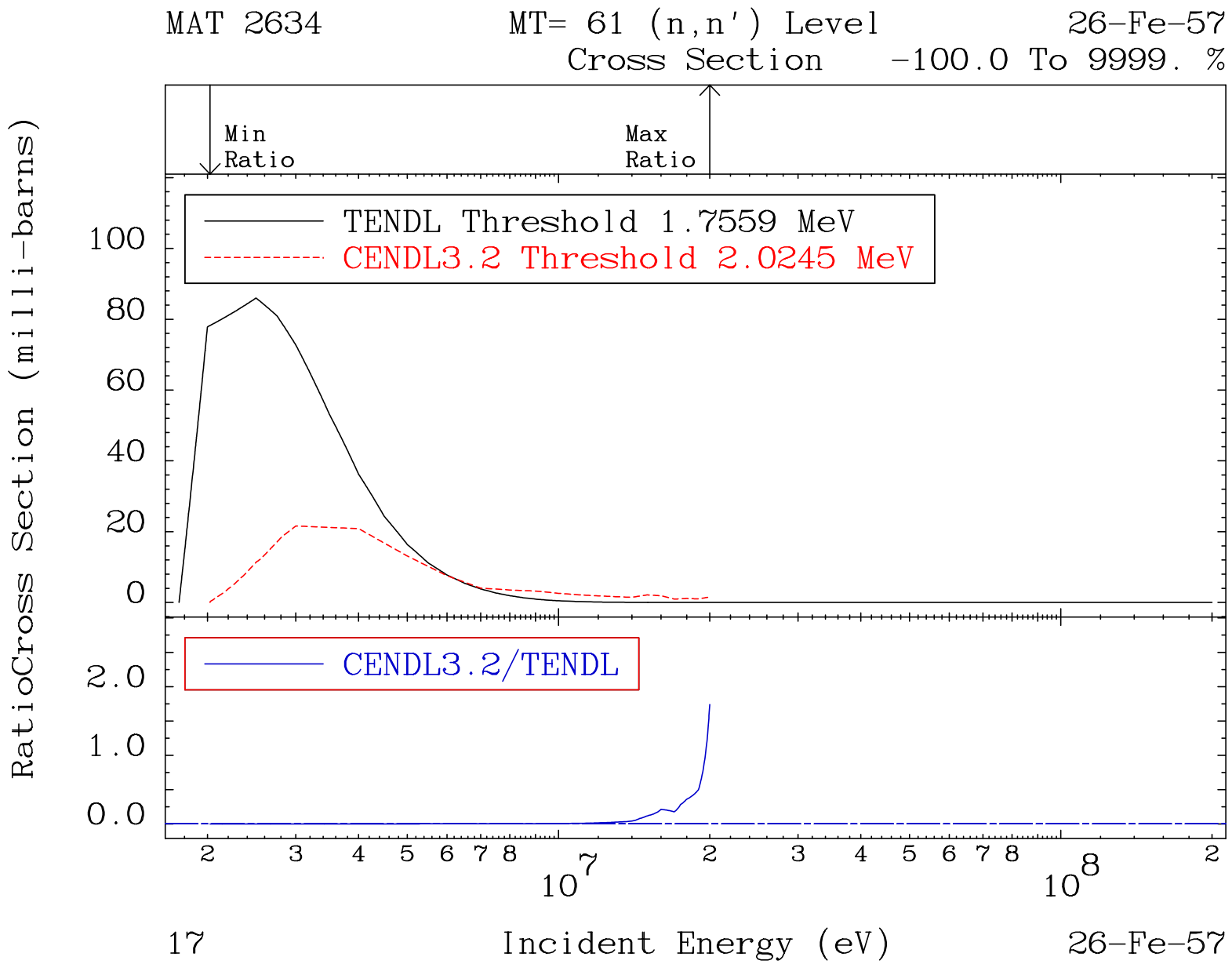

MAT 2634
MT= 56 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1601 MeV
CENDL3.2 Threshold 1.2190 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
26-Fe-57

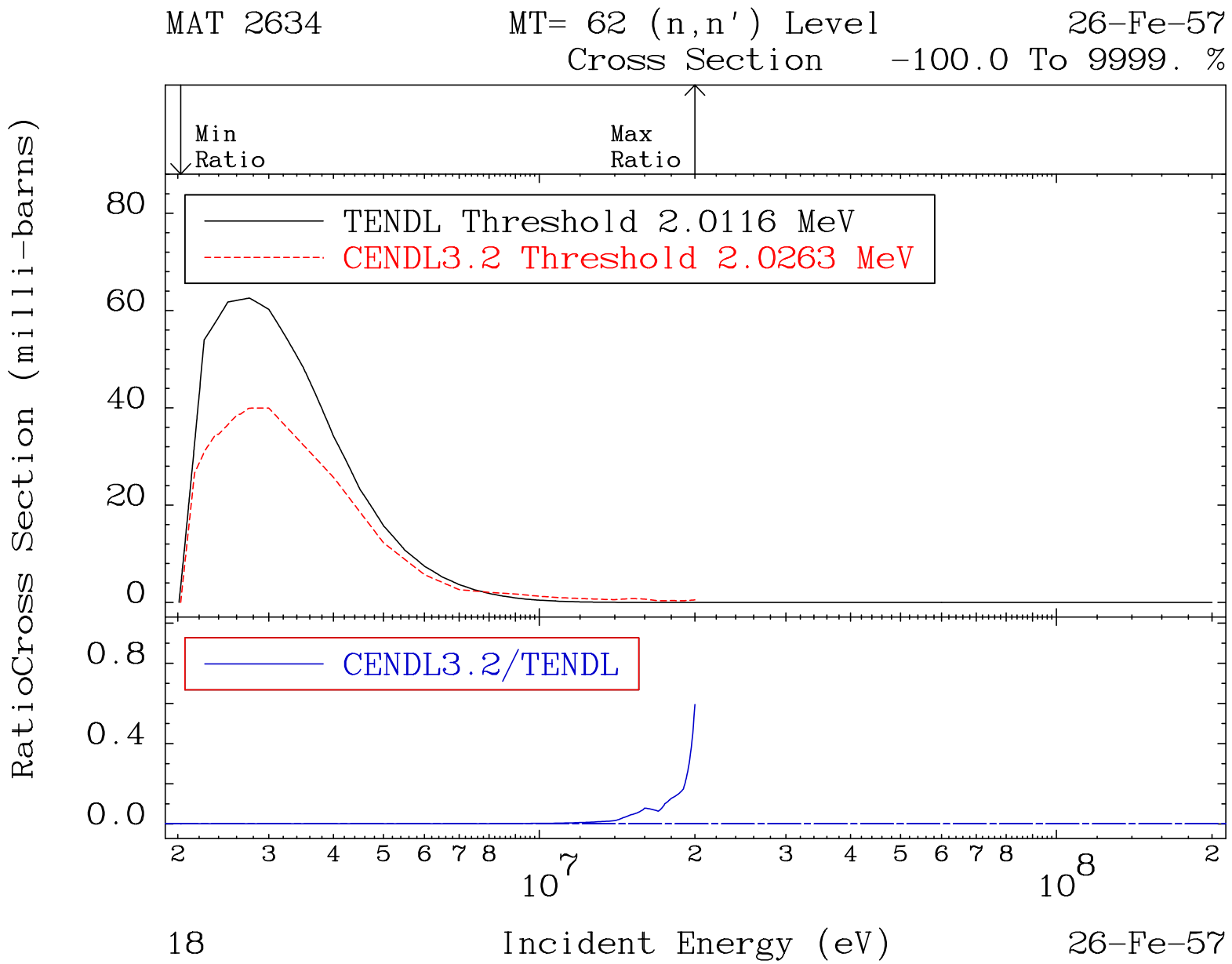

MAT 2634
MT= 57 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2190 MeV
CENDL3.2 Threshold 1.2878 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
26-Fe-57

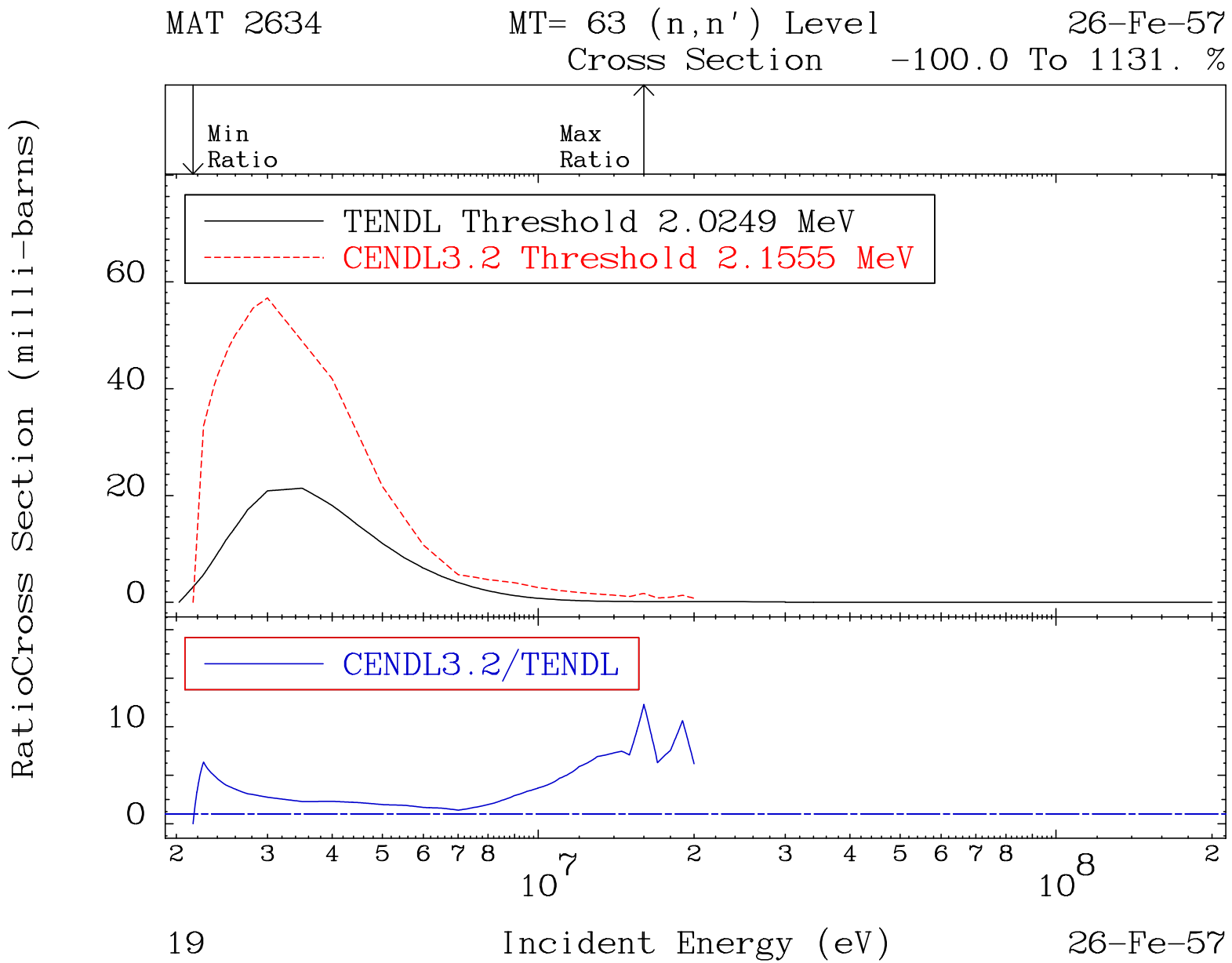

MAT 2634
MT= 58 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2879 MeV
CENDL3.2 Threshold 1.3802 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
26-Fe-57

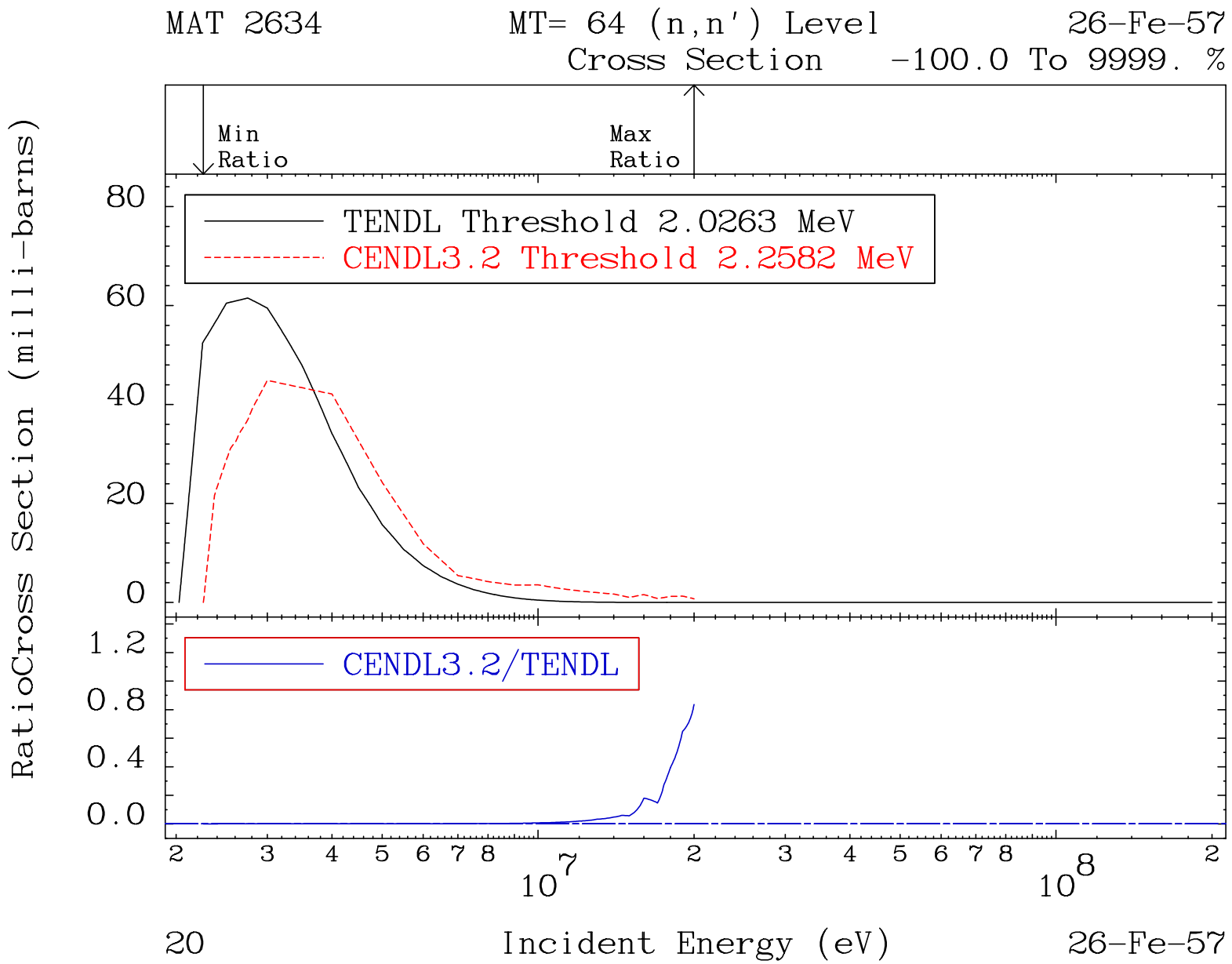

MAT 2634
MT= 59 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3809 MeV
CENDL3.2 Threshold 1.6561 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
15
26-Fe-57

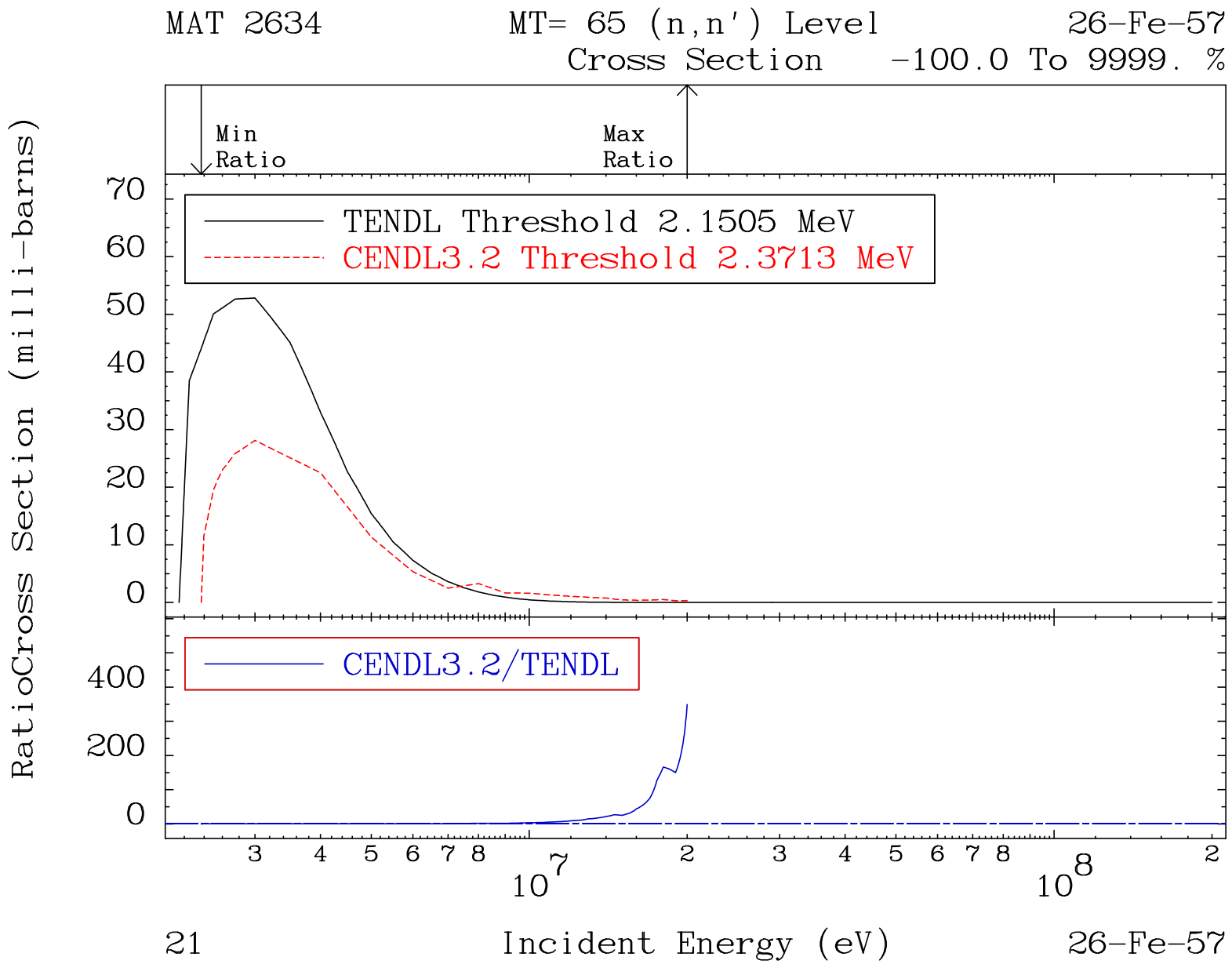

MAT 2634
MT= 60 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.6561 MeV
CENDL3.2 Threshold 1.7560 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
26-Fe-57

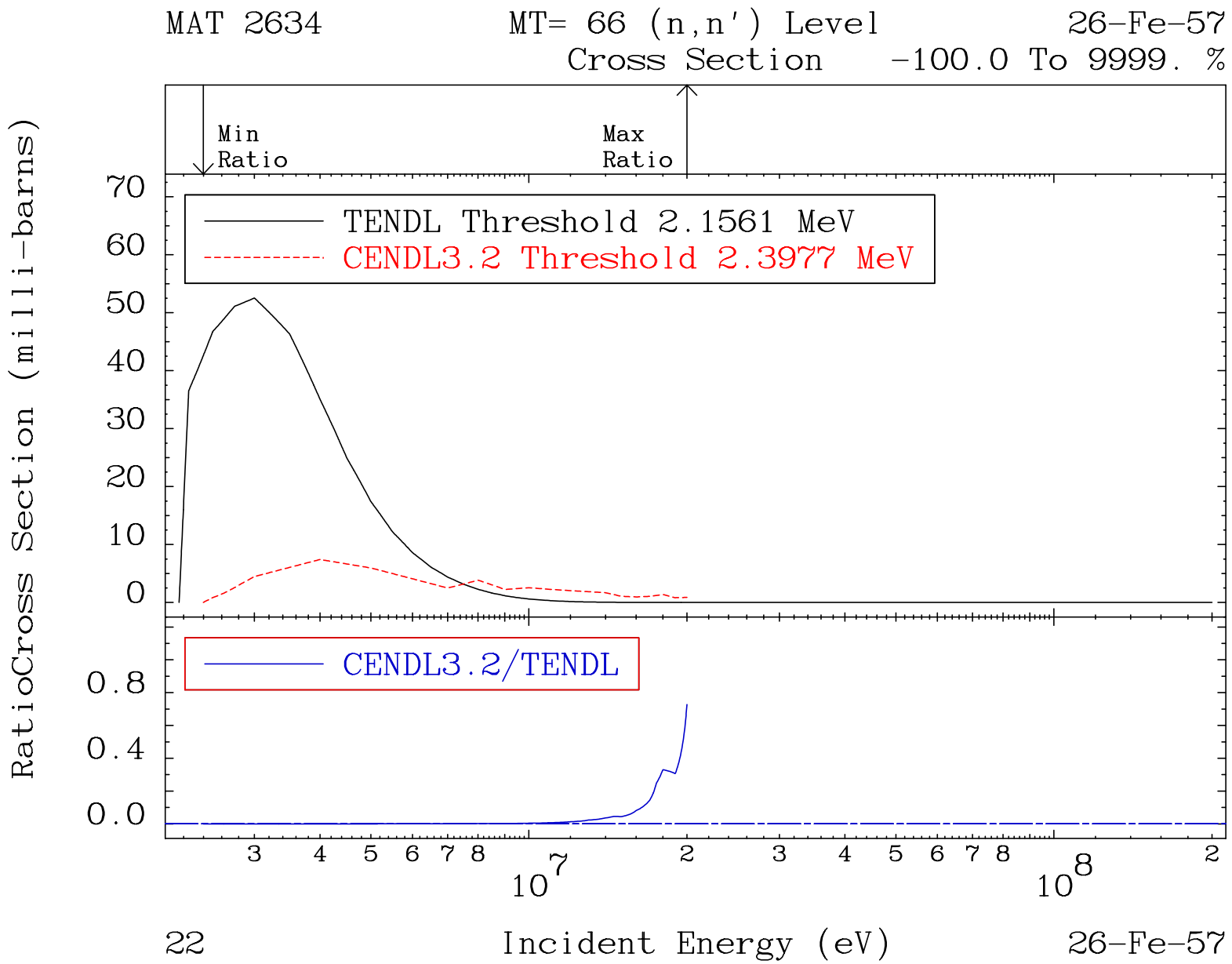

MAT 2634
MT= 61 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.7559 MeV
CENDL3.2 Threshold 2.0245 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
26-Fe-57

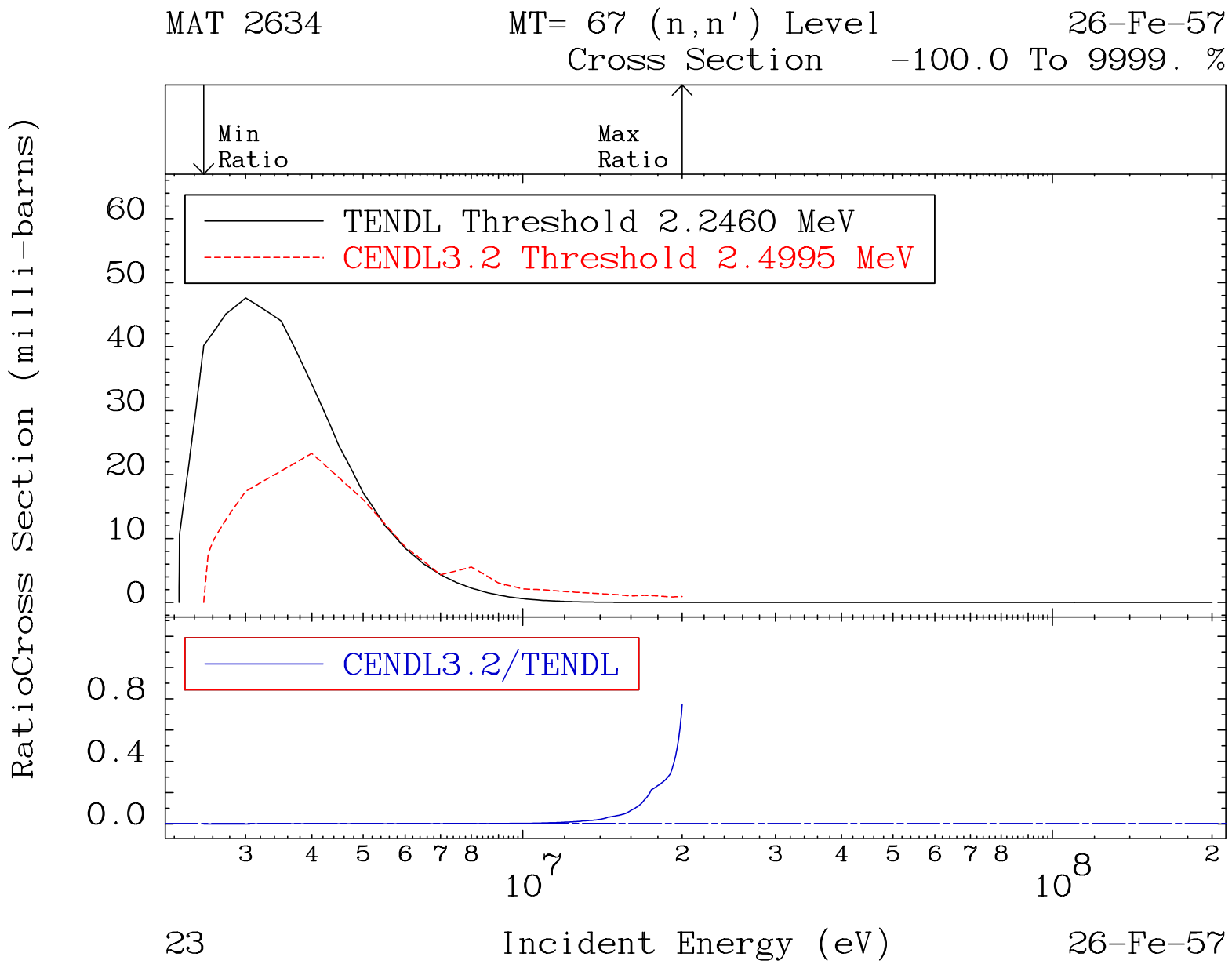

MAT 2634
MT= 62 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.0116 MeV
CENDL3.2 Threshold 2.0263 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
26-Fe-57

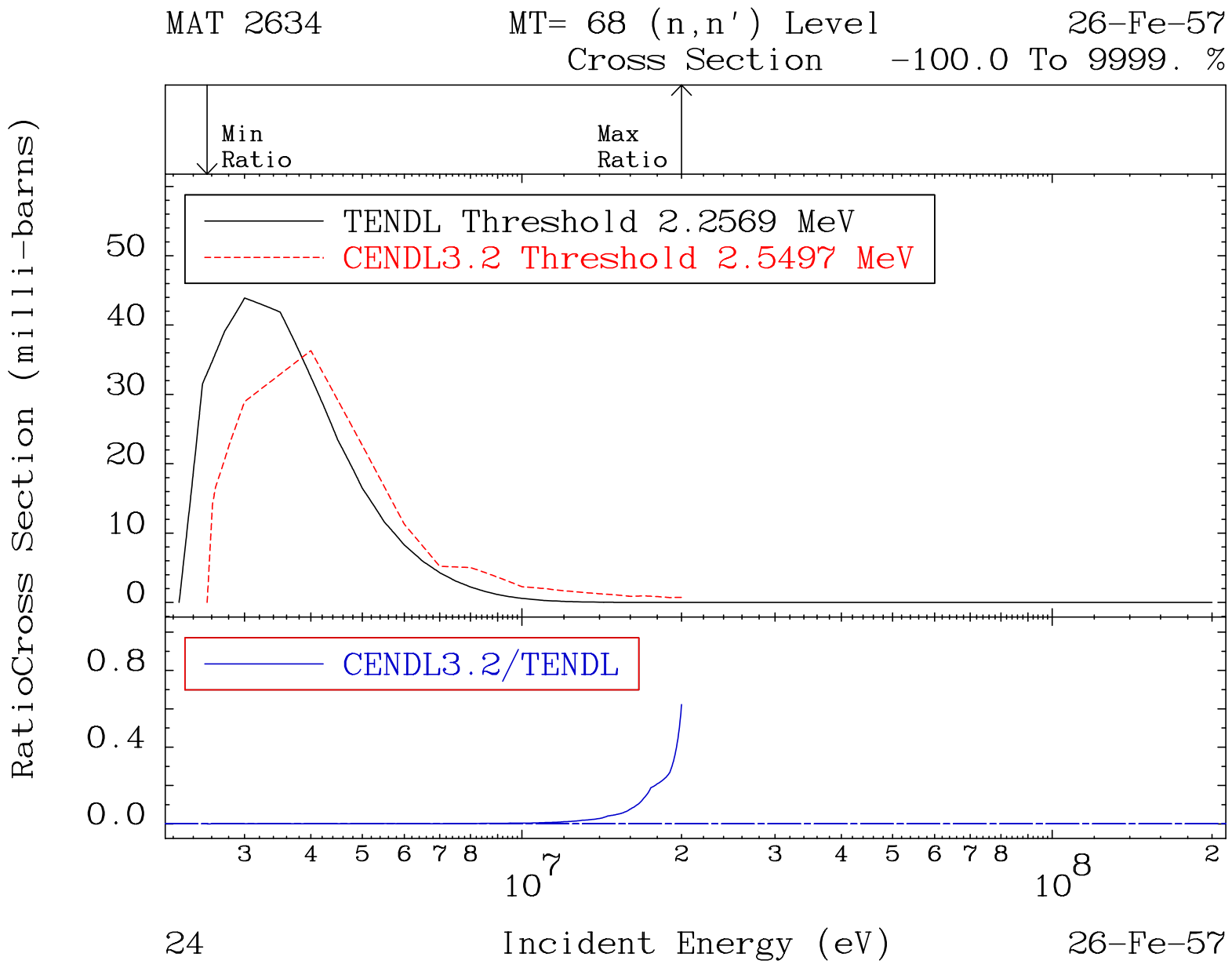

MAT 2634
MT= 63 (n,n') Level
26-Fe-57
Cross Section -100.0 To 1131. %
Min Ratio
Max Ratio
TENDL Threshold 2.0249 MeV
CENDL3.2 Threshold 2.1555 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
40
20
0
10
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
26-Fe-57

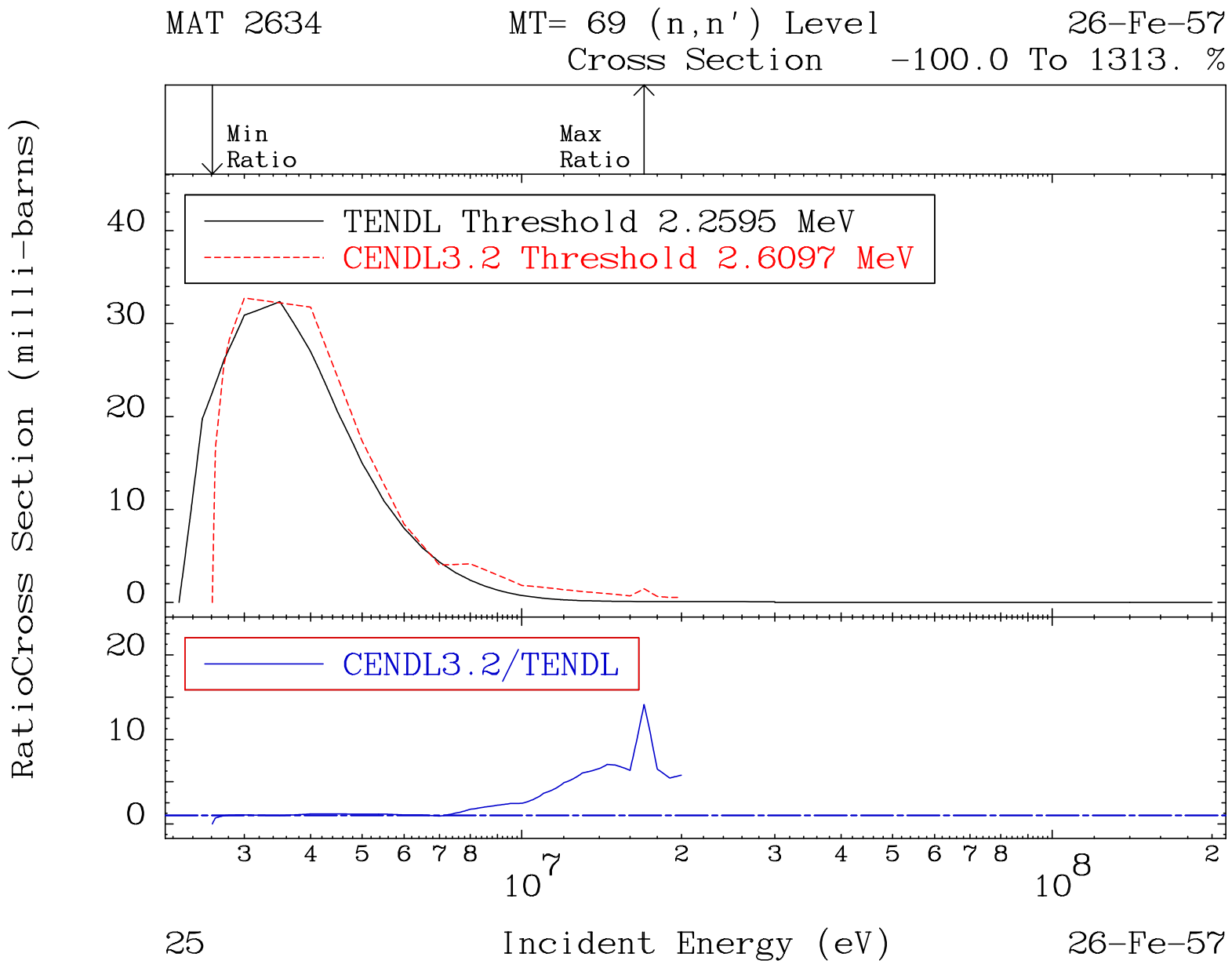

MAT 2634
MT= 64 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.0263 MeV
CENDL3.2 Threshold 2.2582 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
26-Fe-57

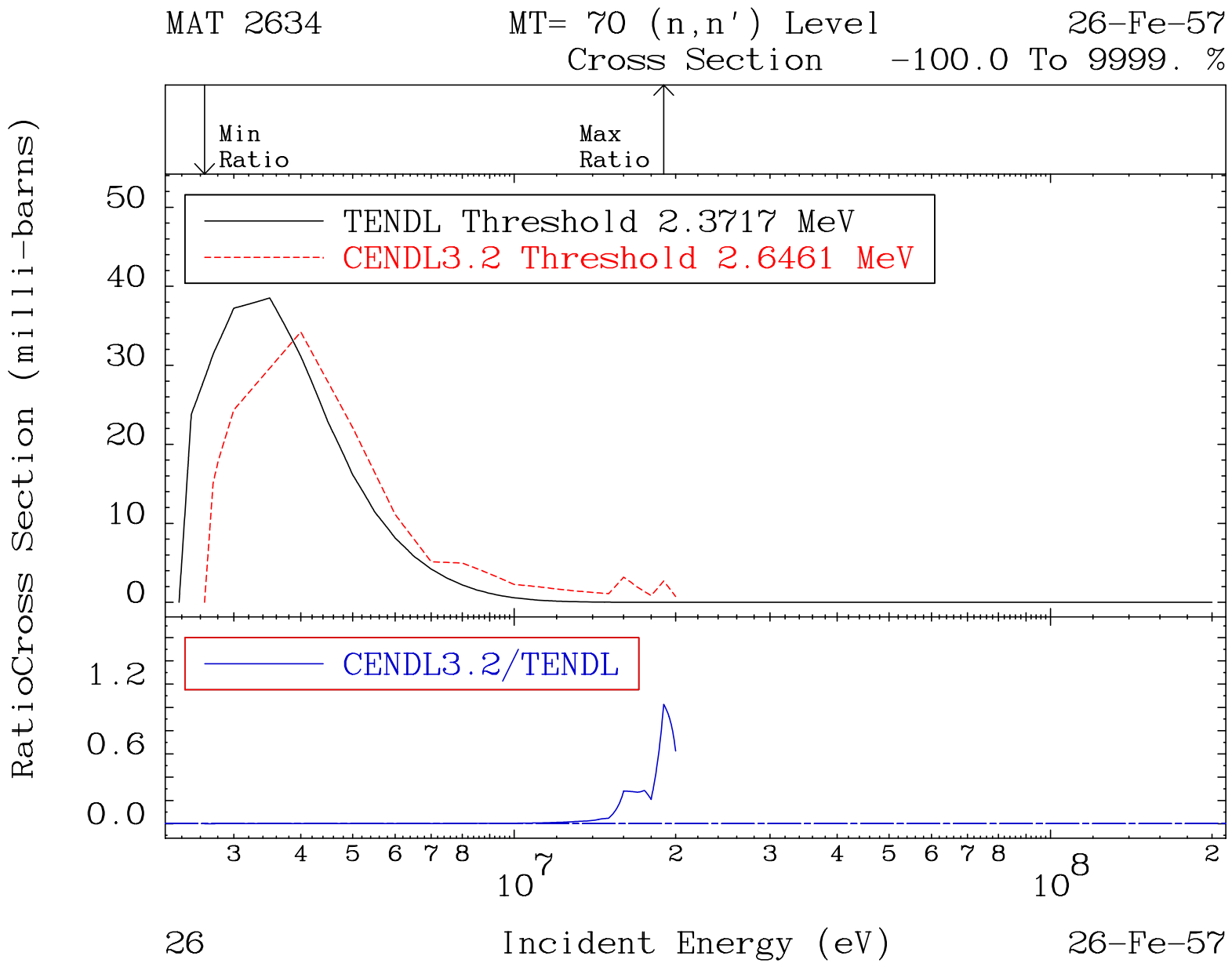

MAT 2634
MT= 65 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1505 MeV
CENDL3.2 Threshold 2.3713 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
400
200
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
26-Fe-57

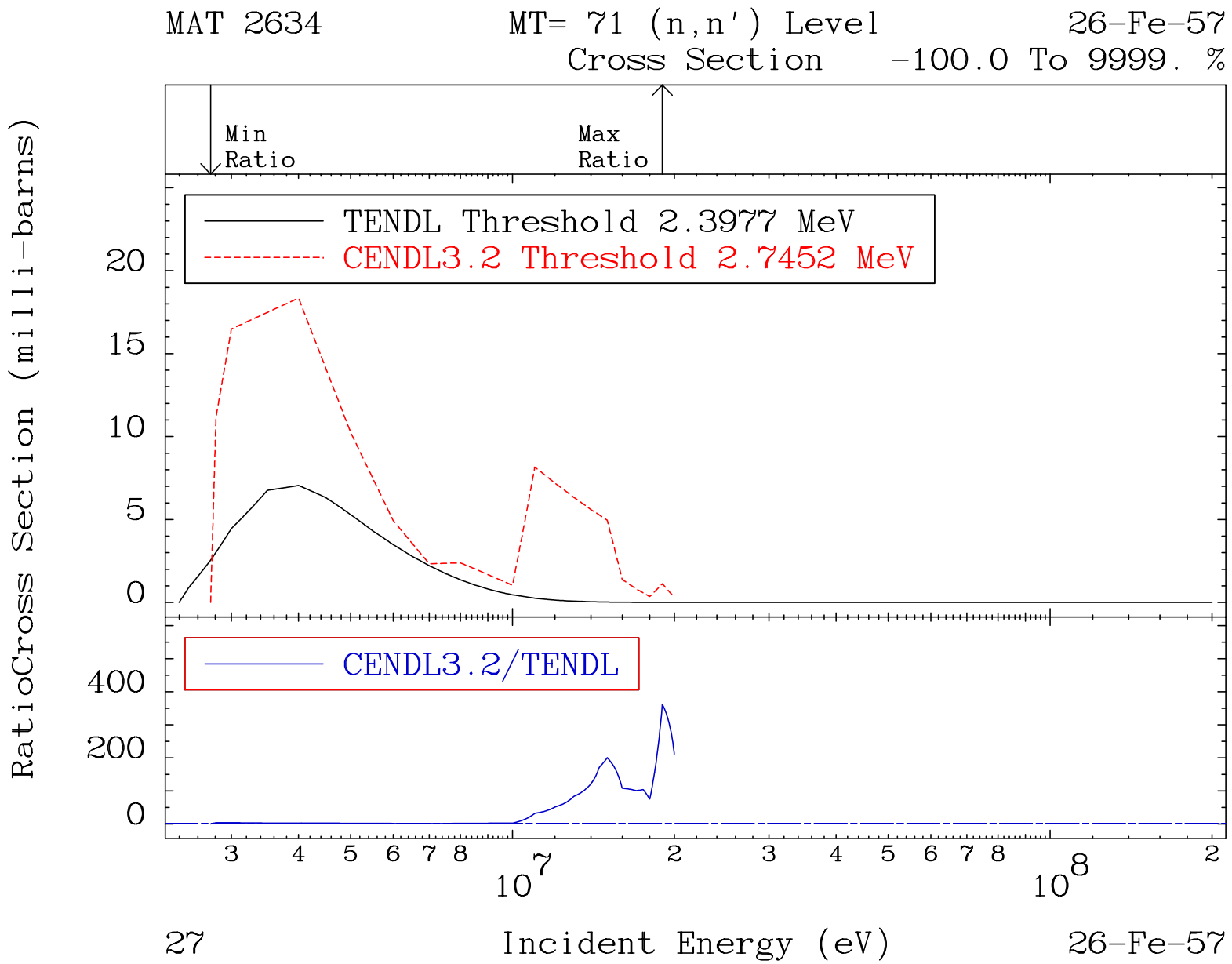

MAT 2634
MT= 66 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1561 MeV
CENDL3.2 Threshold 2.3977 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
0.8
0.4
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
26-Fe-57

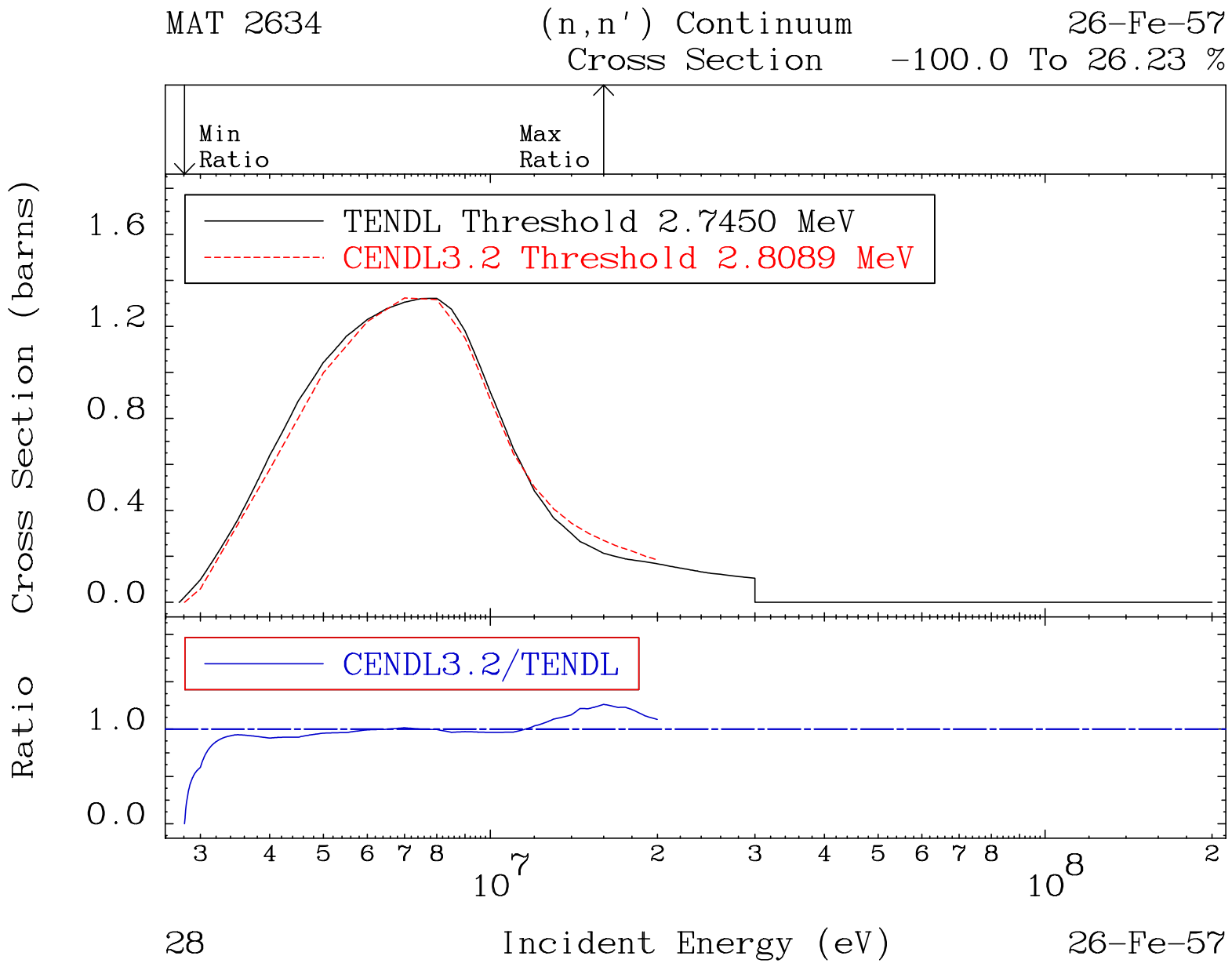

MAT 2634
MT= 67 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2460 MeV
CENDL3.2 Threshold 2.4995 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
26-Fe-57

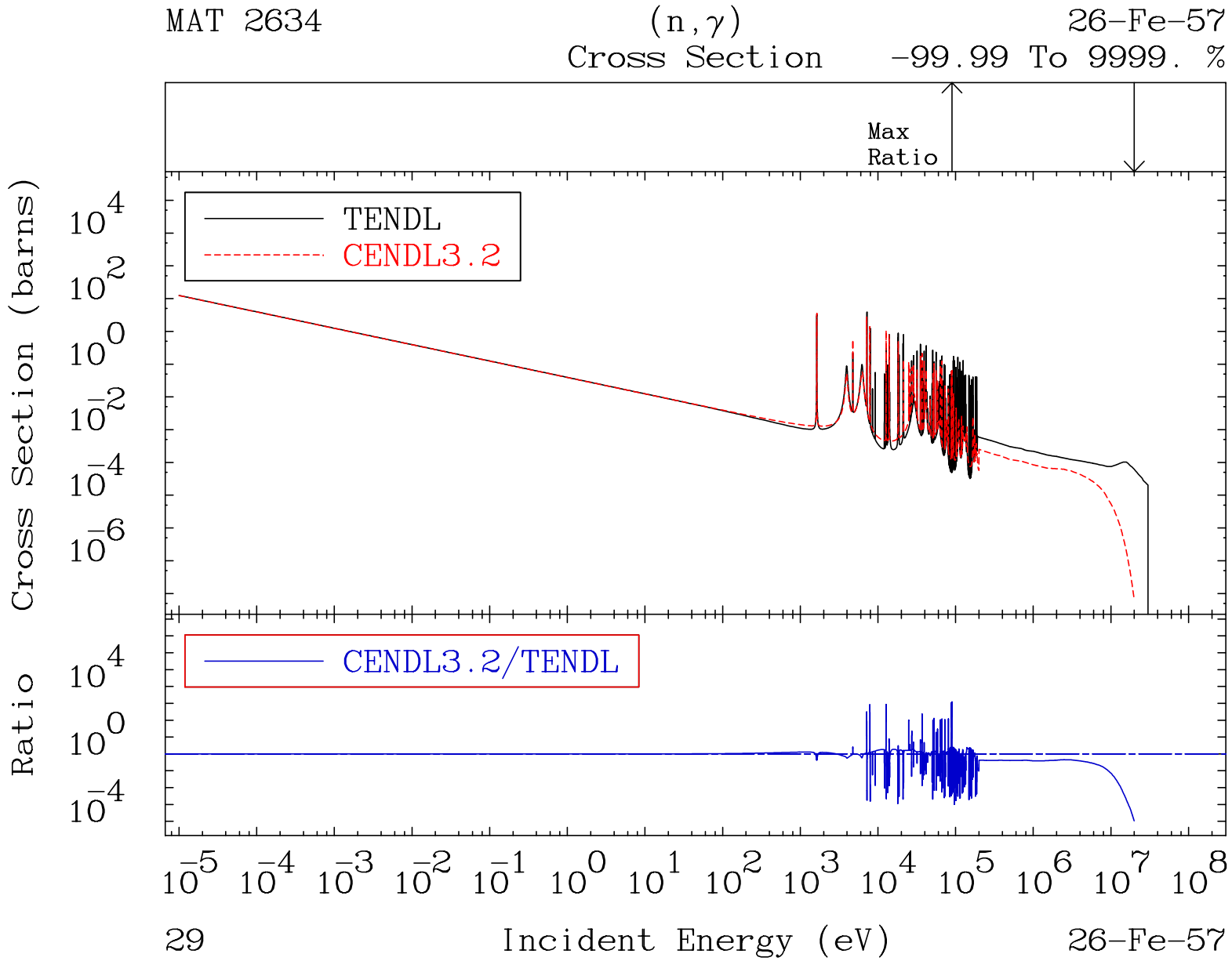

MAT 2634
MT= 68 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2569 MeV
CENDL3.2 Threshold 2.5497 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
24
26-Fe-57

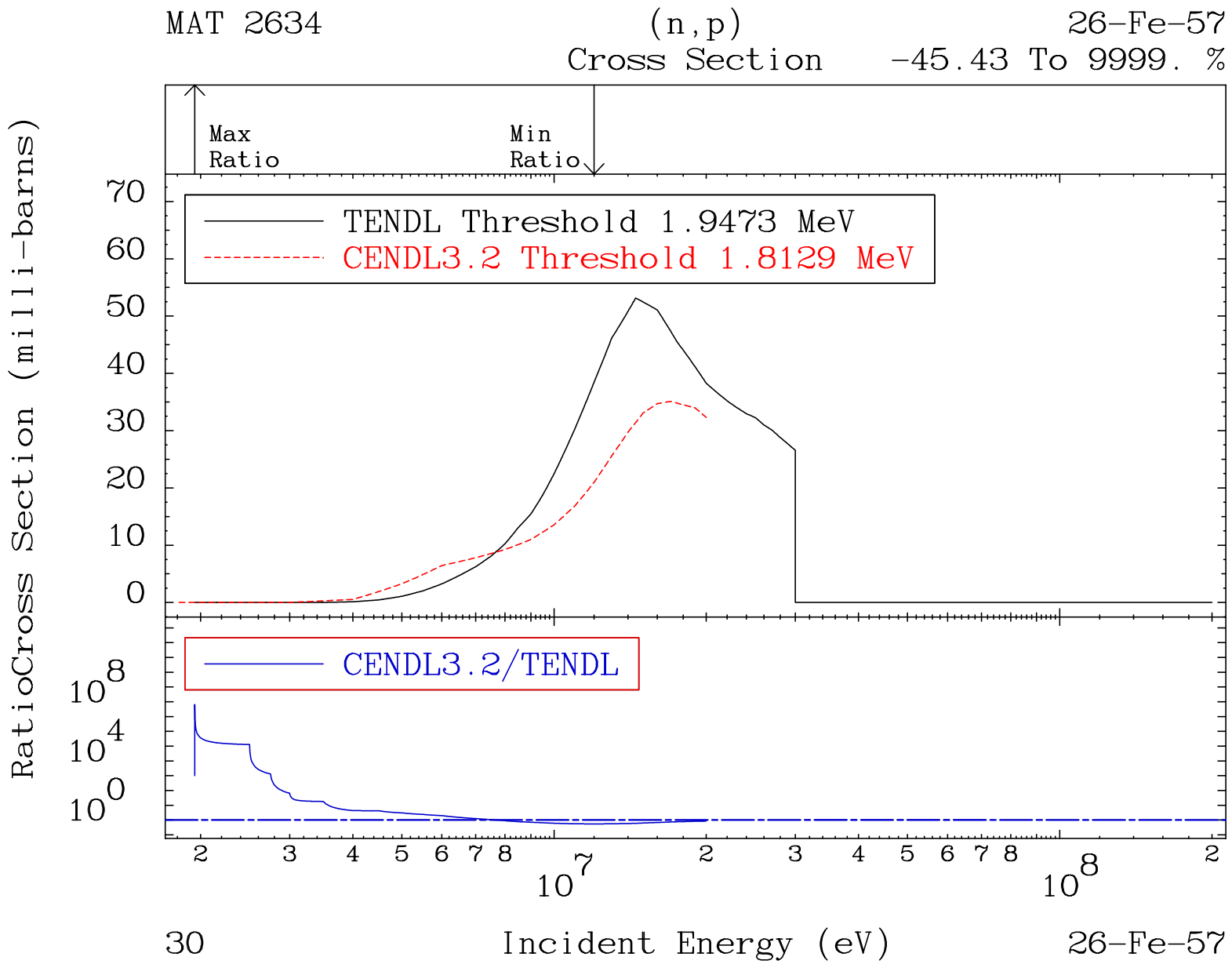

MAT 2634
MT= 69 (n,n') Level
26-Fe-57
Cross Section -100.0 To 1313. %
Min Ratio
Max Ratio
TENDL Threshold 2.2595 MeV
CENDL3.2 Threshold 2.6097 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
26-Fe-57

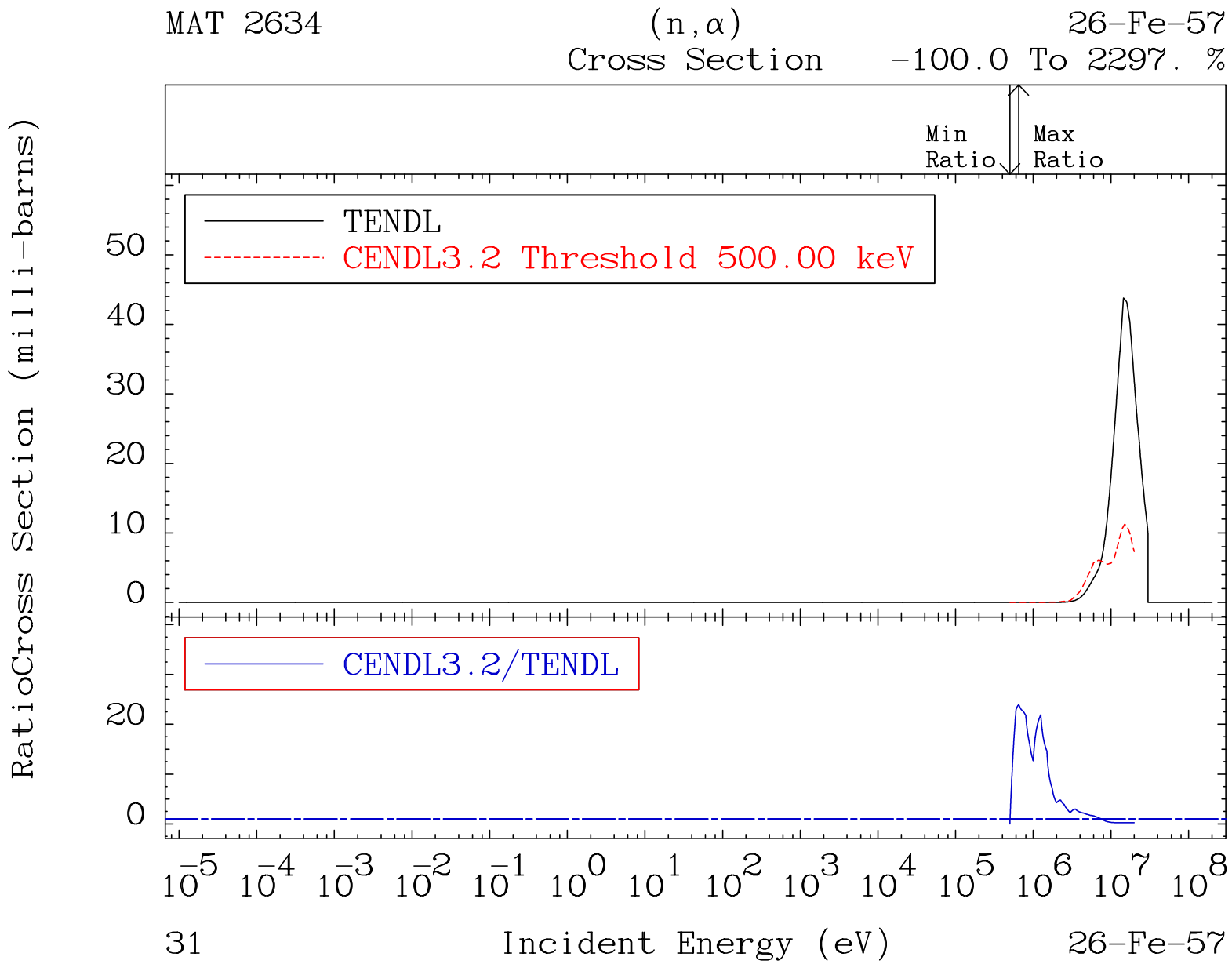

MAT 2634
MT= 70 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3717 MeV
CENDL3.2 Threshold 2.6461 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
26-Fe-57

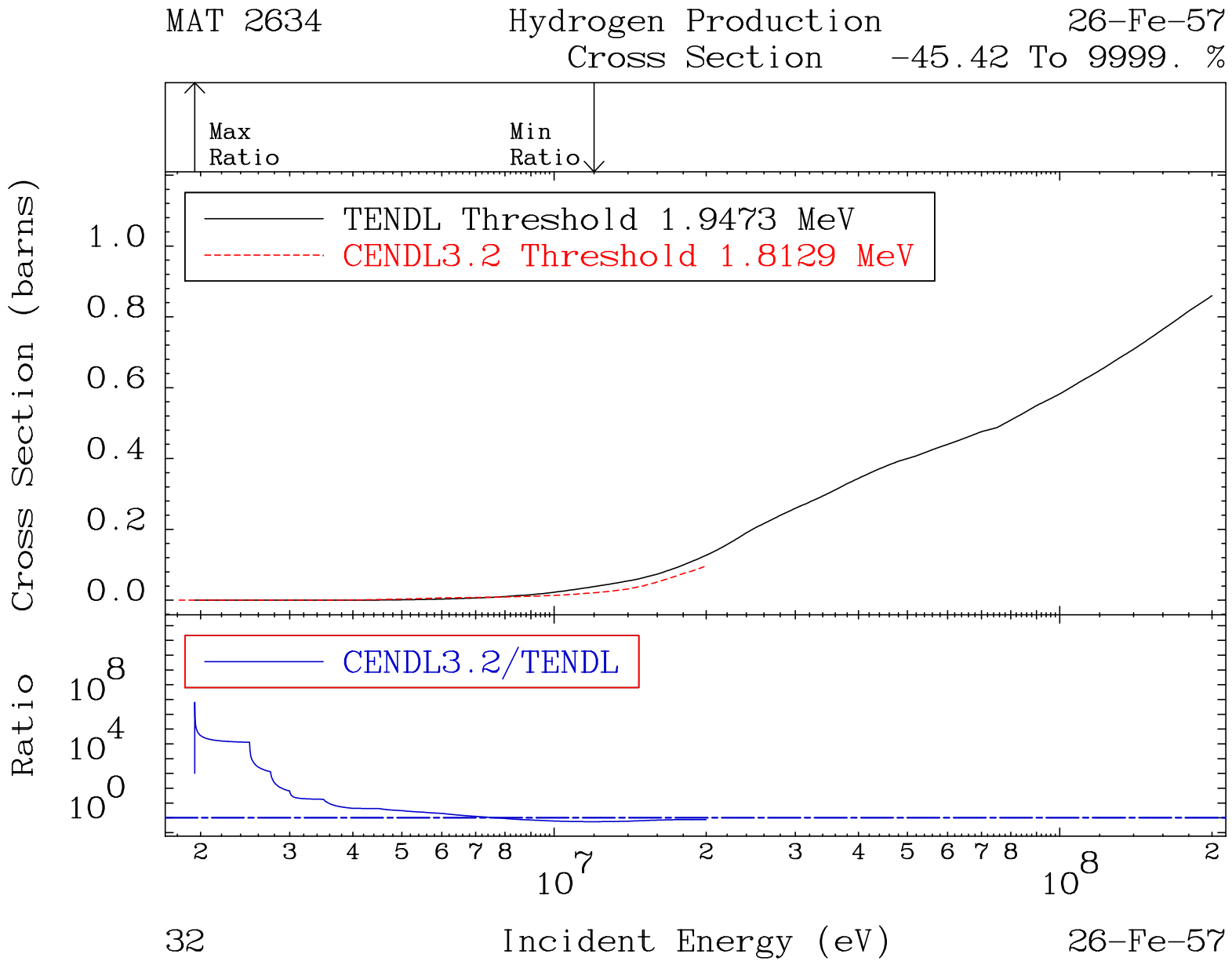

MAT 2634
MT= 71 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3977 MeV
CENDL3.2 Threshold 2.7452 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
26-Fe-57

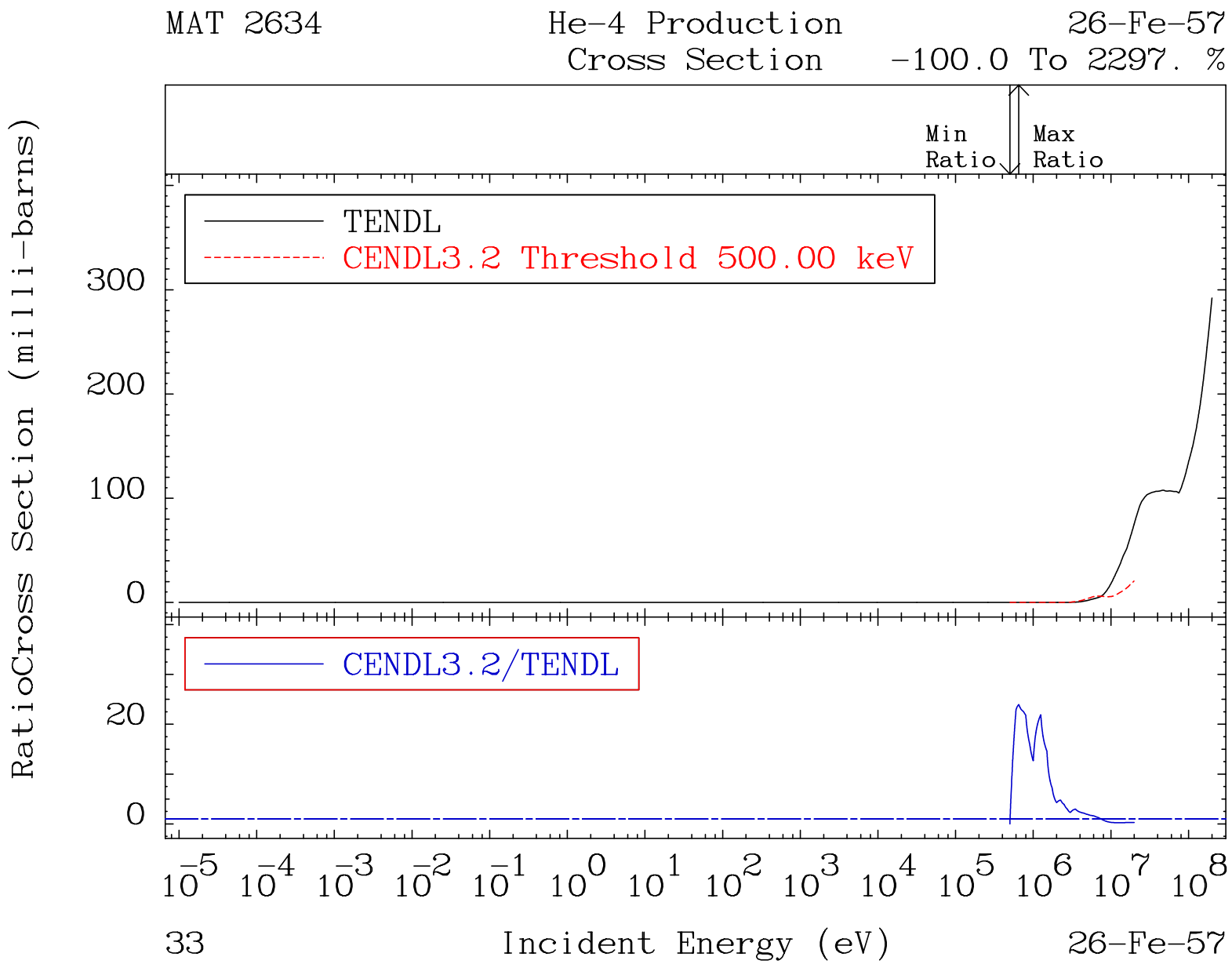

MAT 2634
(n,n') Continuum
Cross Section
26-Fe-57
-100.0 To 26.23 %
Min Ratio
Max Ratio
TENDL Threshold 2.7450 MeV
CENDL3.2 Threshold 2.8089 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
CENDL3.2/TENDL
Ratio
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
26-Fe-57

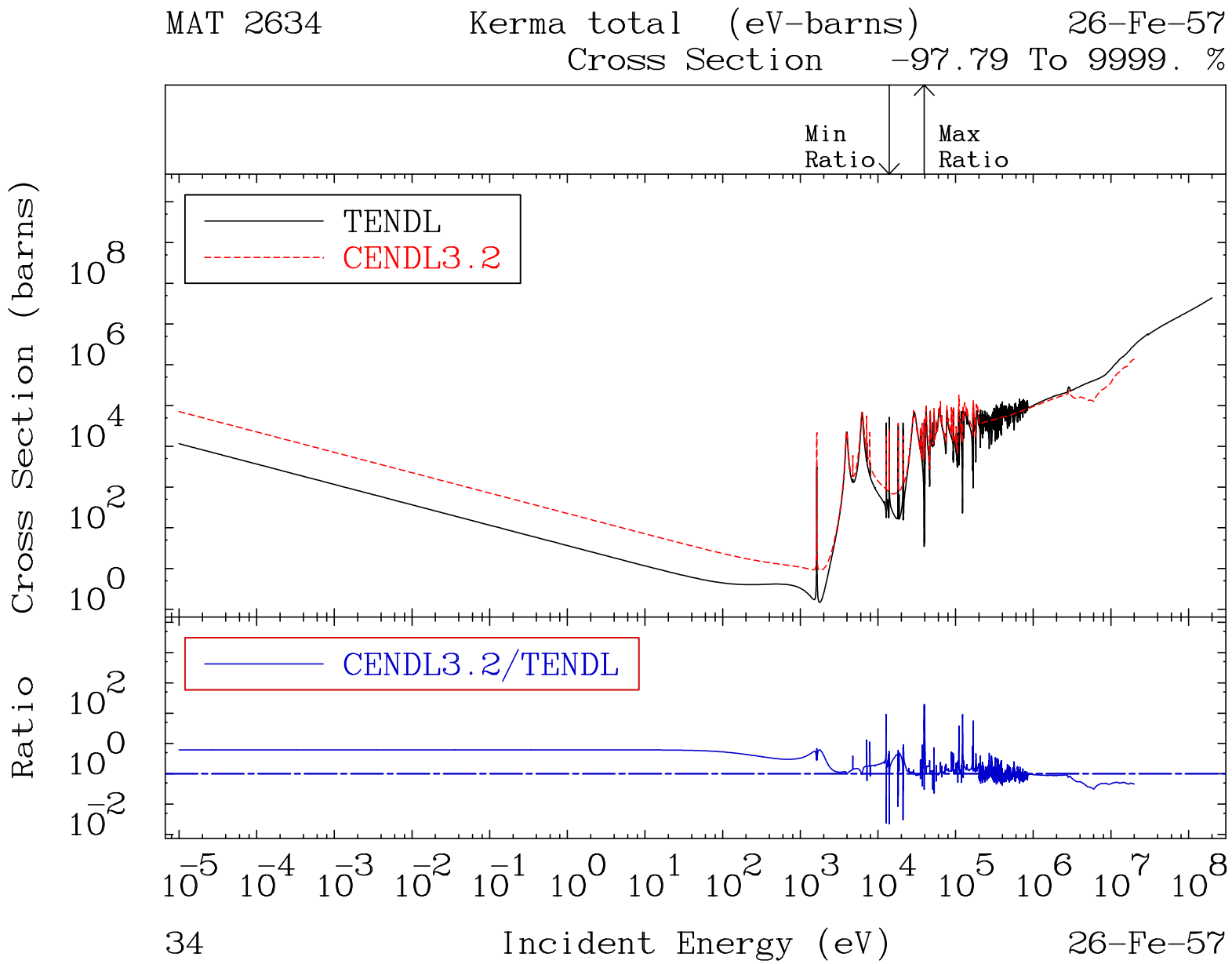

MAT 2634
(n,γ)
Cross Section
26-Fe-57
-99.99 To 9999. %
Max
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
26-Fe-57

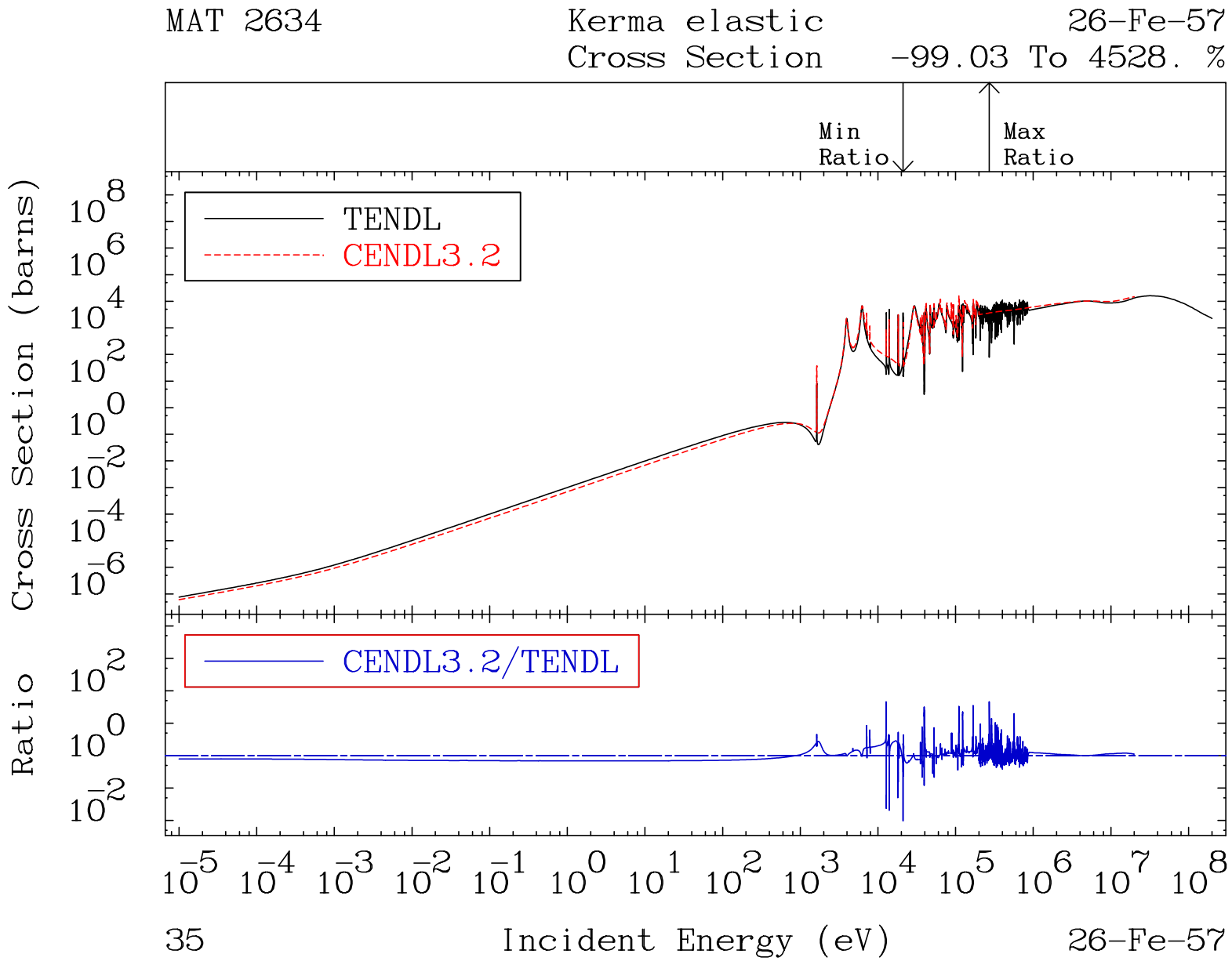

MAT 2634
(n,p)
Cross Section
26-Fe-57
-45.43 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.9473 MeV
CENDL3.2 Threshold 1.8129 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
26-Fe-57

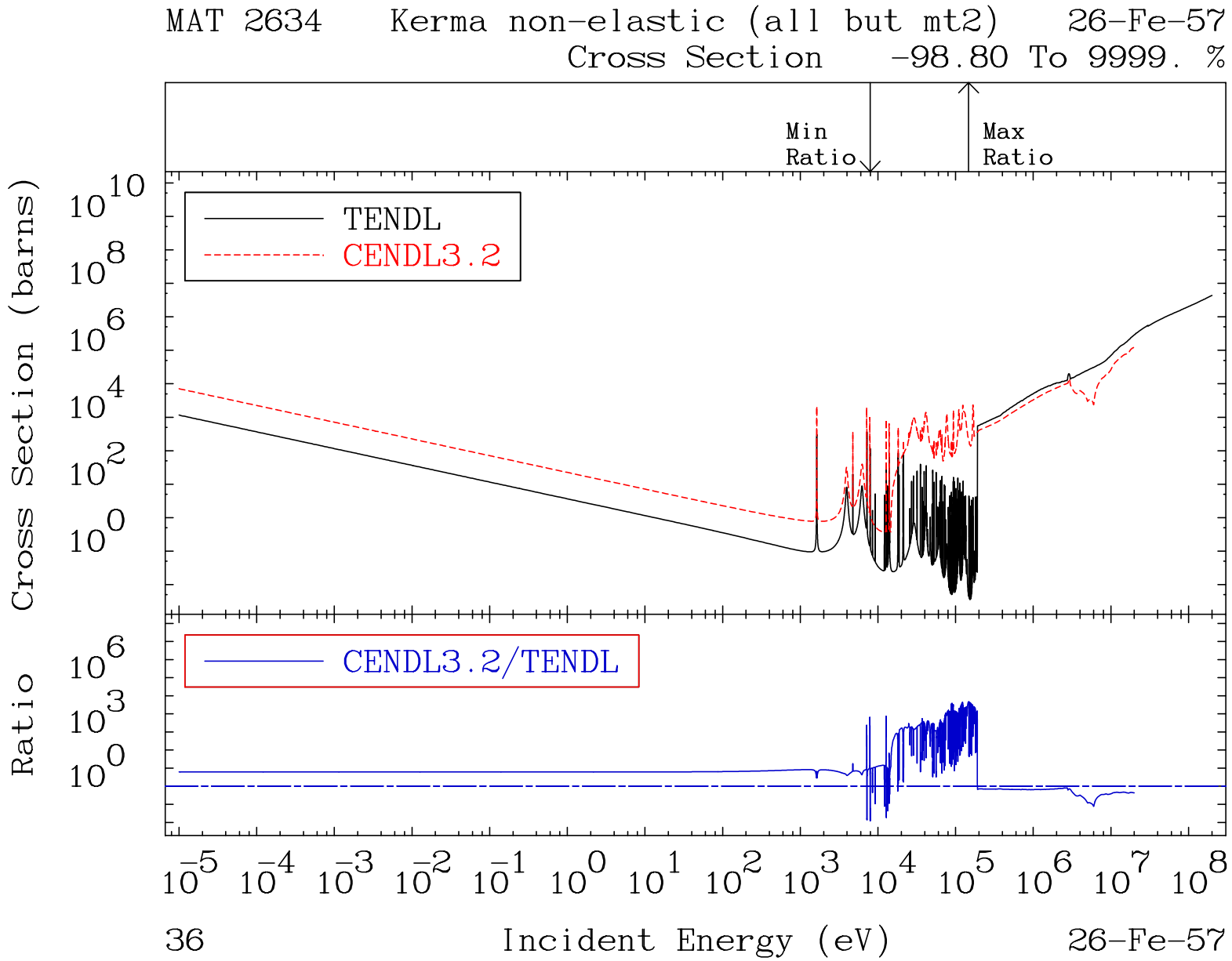

MAT 2634
(n,α)
Cross Section
26-Fe-57
-100.0 To 2297. %
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 500.00 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
20
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
31
Incident Energy (eV)
26-Fe-57

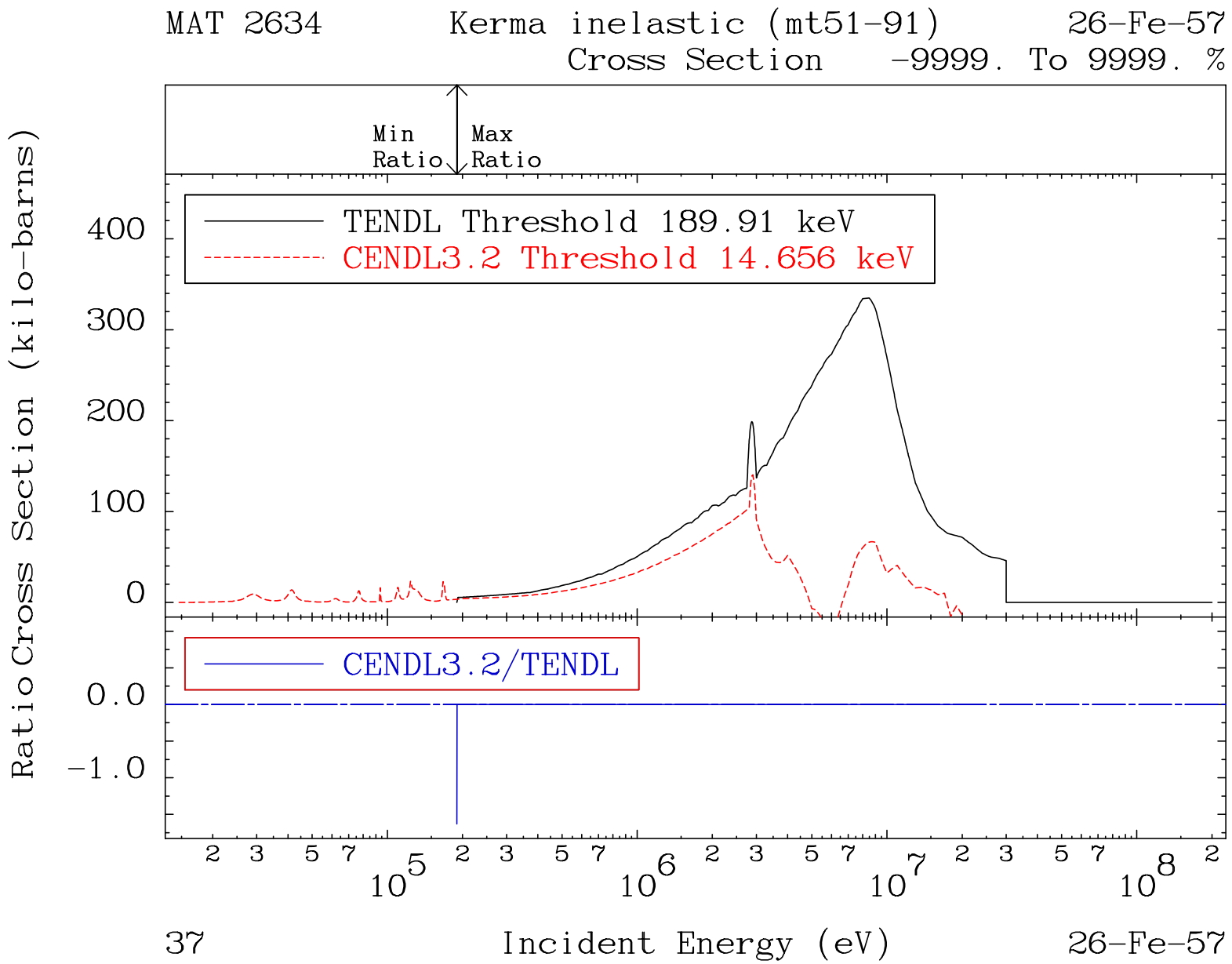

MAT 2634
Hydrogen Production
26-Fe-57
Cross Section
-45.42 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.9473 MeV
CENDL3.2 Threshold 1.8129 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
CENDL3.2/TENDL
Ratio
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
26-Fe-57

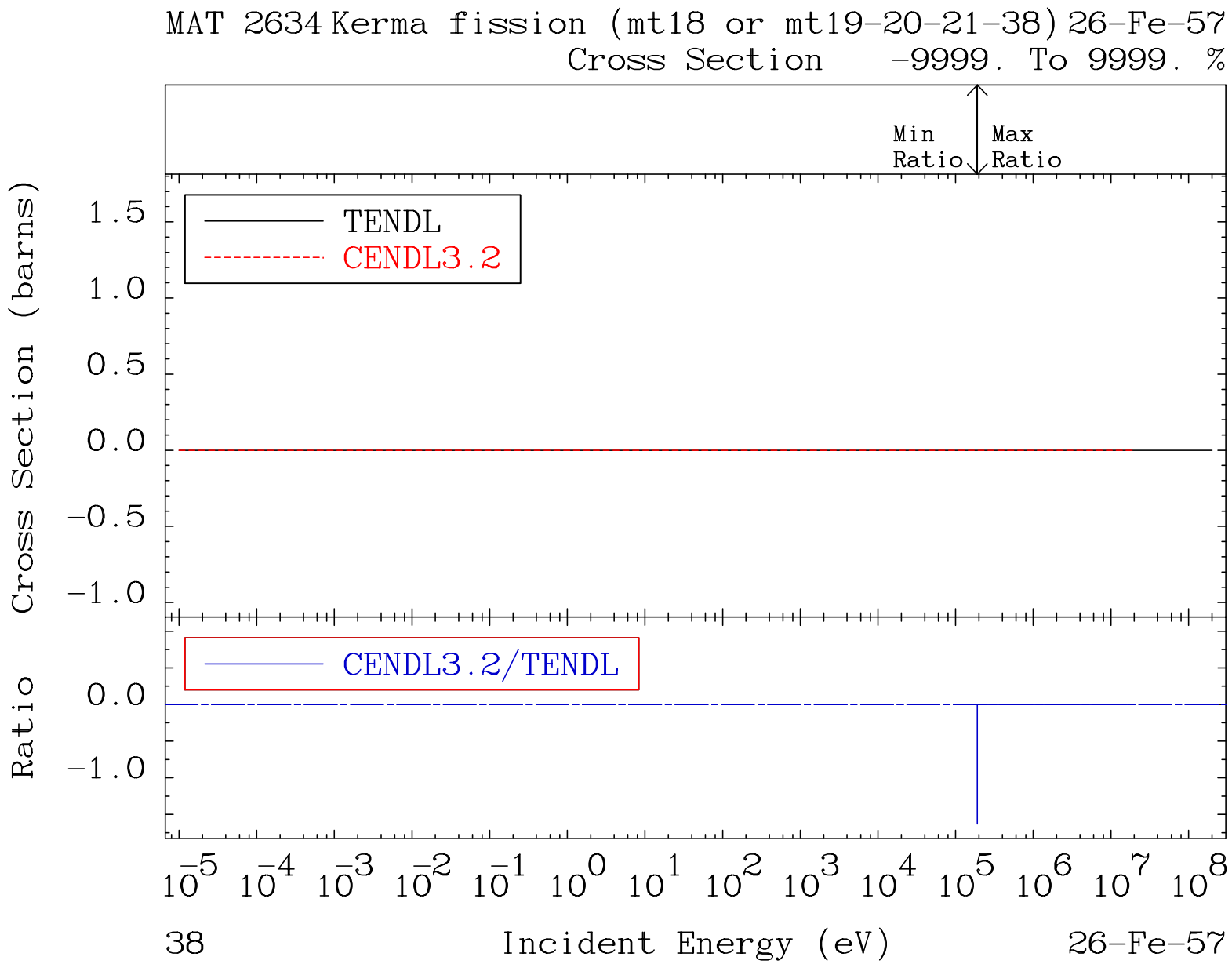

MAT 2634
He-4 Production
Cross Section
26-Fe-57
-100.0 To 2297. %
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 500.00 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
200
100
0
20
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
33
Incident Energy (eV)
26-Fe-57

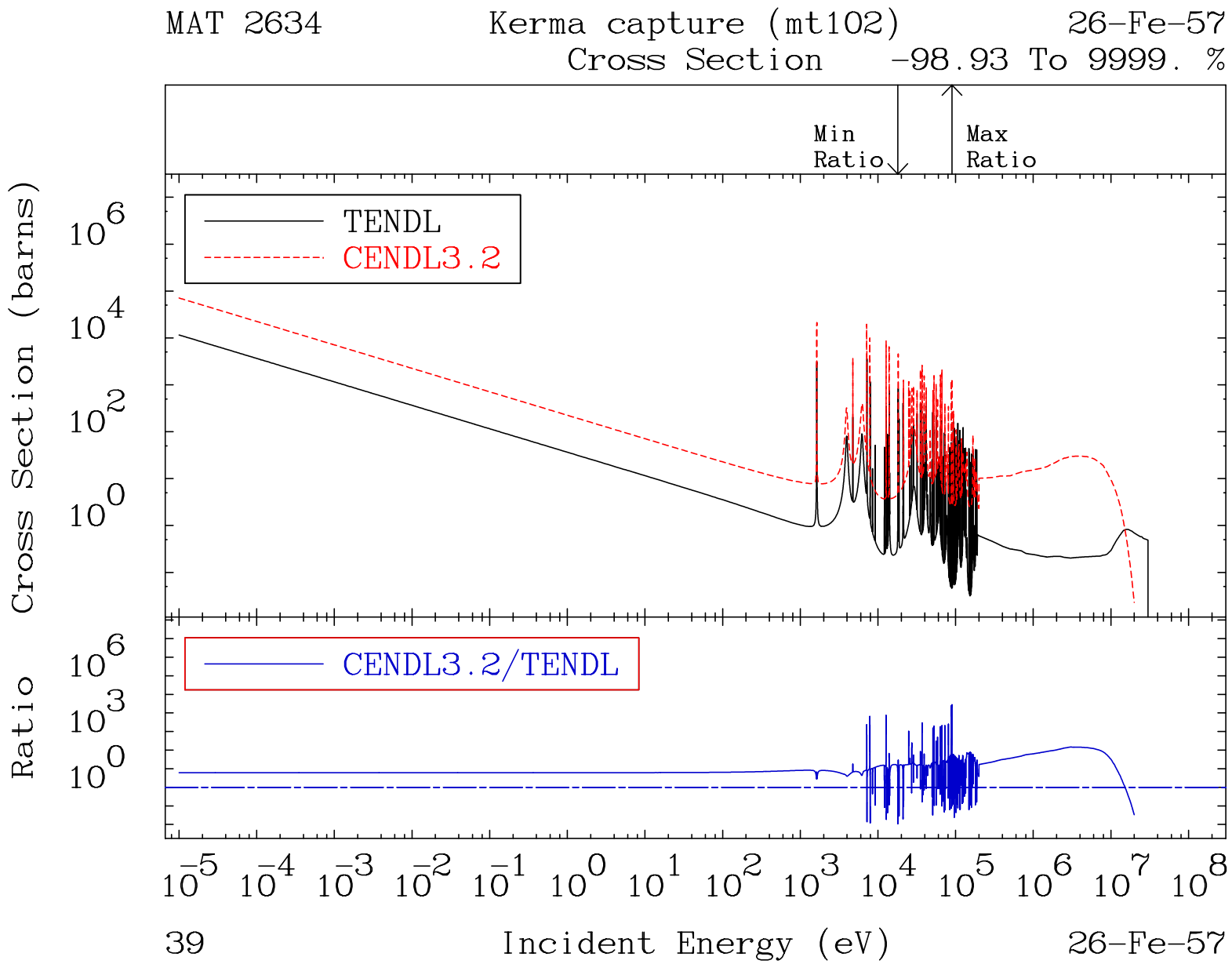

MAT 2634
Kerma total (eV-barns)
26-Fe-57
Cross Section -97.79 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
Ratio
CENDL3.2/TENDL
34
Incident Energy (eV)
26-Fe-57

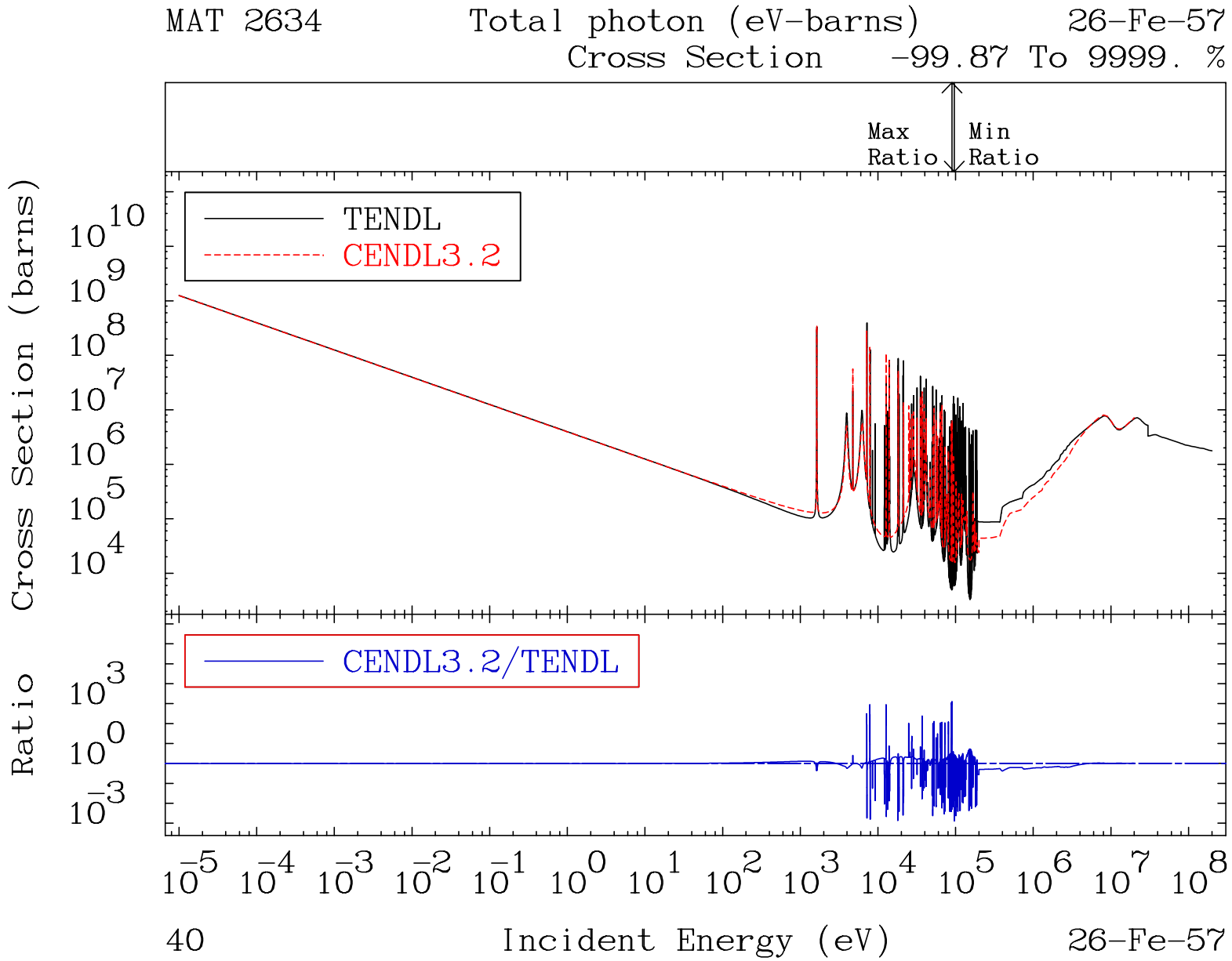

MAT 2634
Kerma elastic
Cross Section
26-Fe-57
-99.03 To 4528. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
26-Fe-57

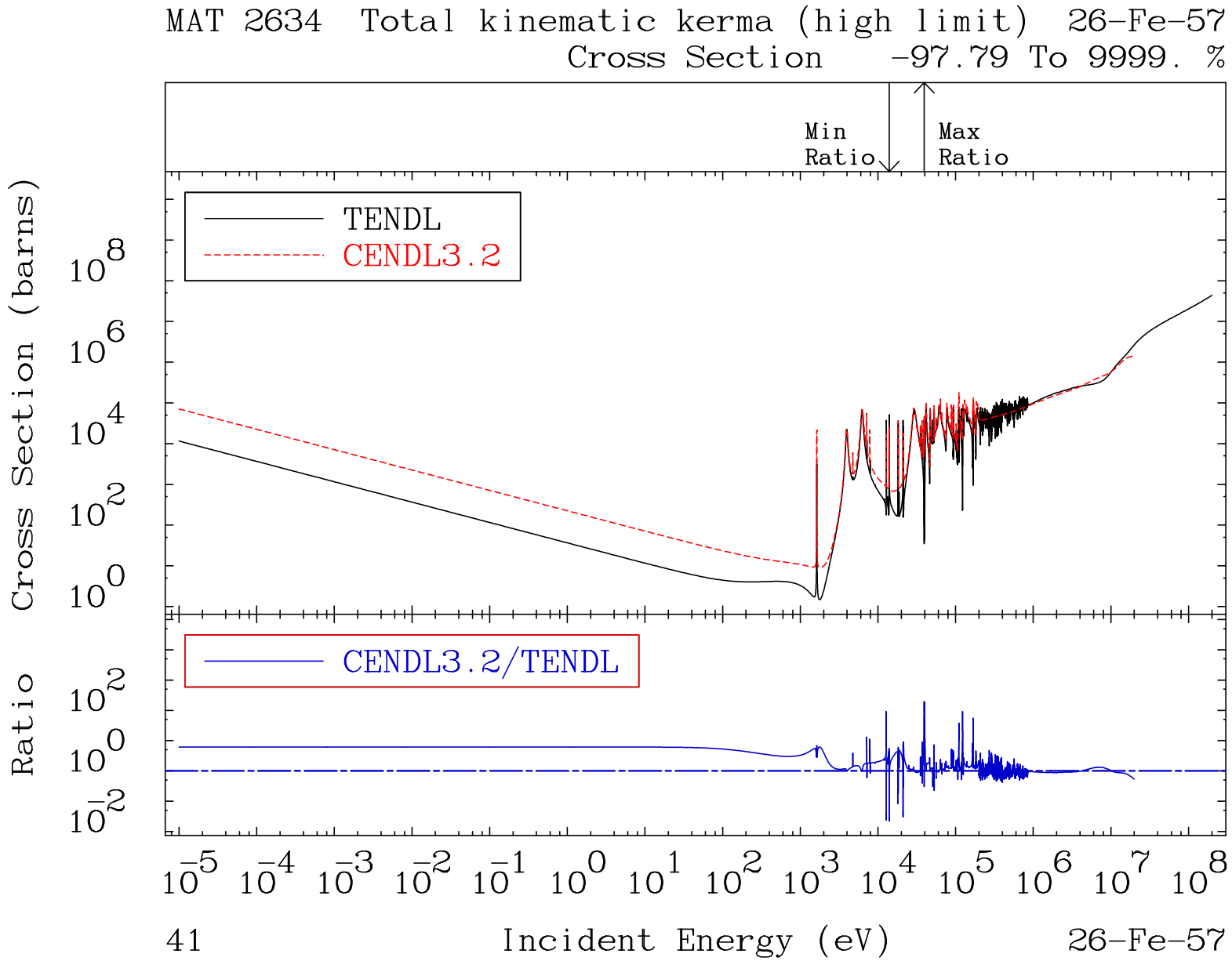

MAT 2634 Kerma non-elastic (all but mt2) 26-Fe-57
Cross Section -98.80 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
26-Fe-57

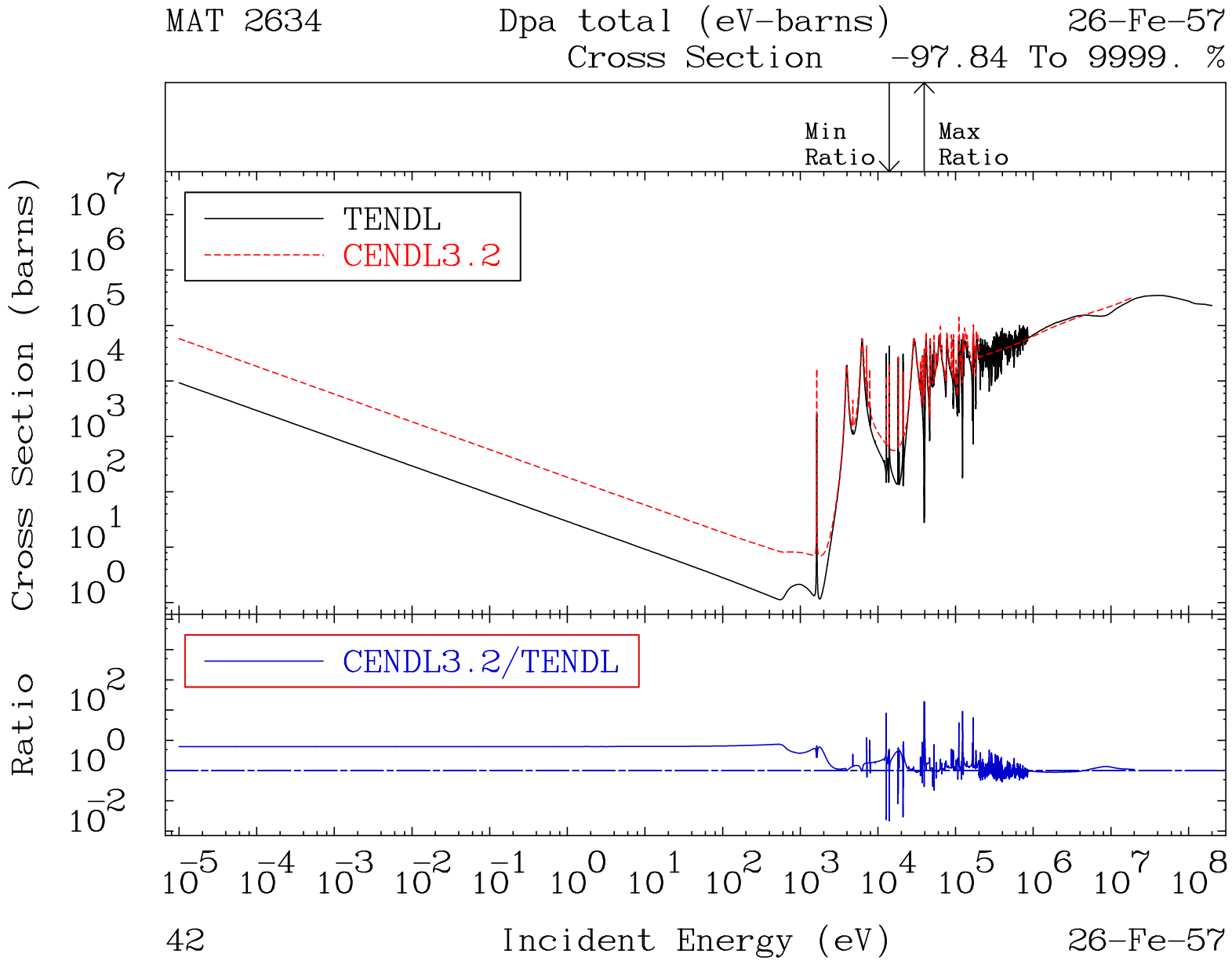

MAT 2634
Kerma inelastic (mt51-91)
26-Fe-57
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 189.91 keV
CENDL3.2 Threshold 14.656 keV
CENDL3.2/TENDL
Ratio Cross Section (kilo-barns)
400
300
200
100
0
0.0
-1.0
2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
37
Incident Energy (eV)
26-Fe-57

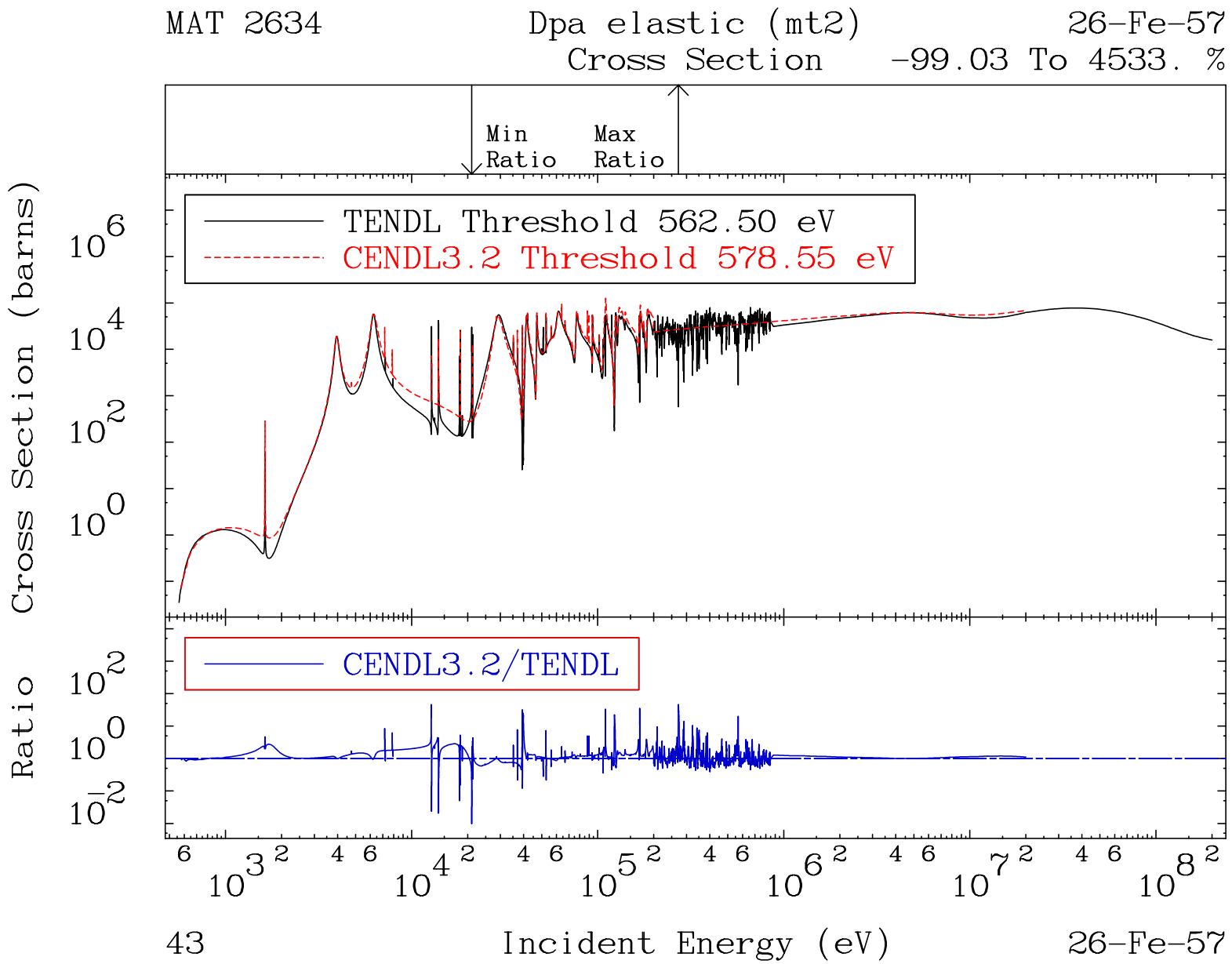

MAT 2634 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-57
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0.0
-1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
38
Incident Energy (eV)
26-Fe-57

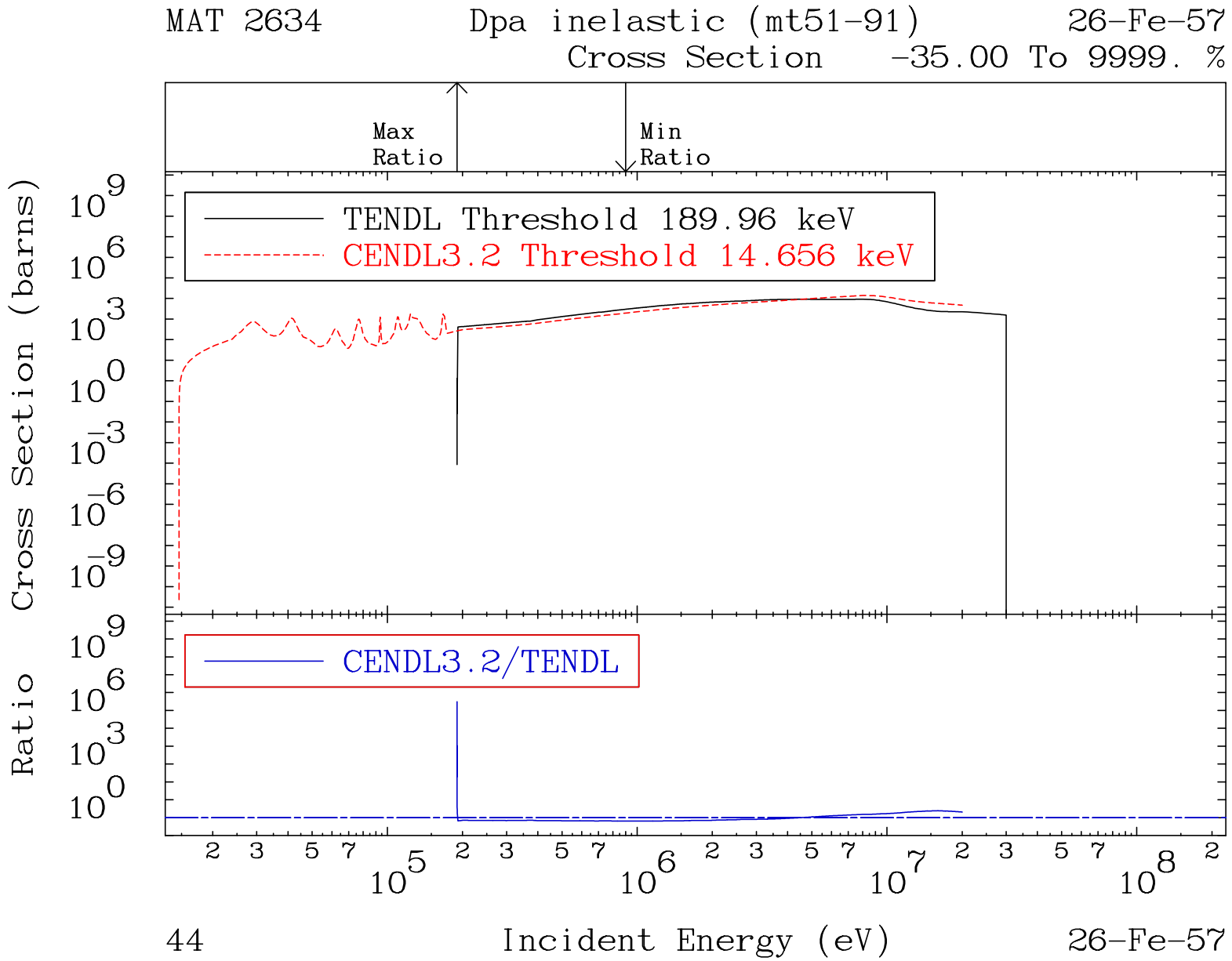

MAT 2634
Kerma capture (mt102)
26-Fe-57
Cross Section -98.93 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
26-Fe-57

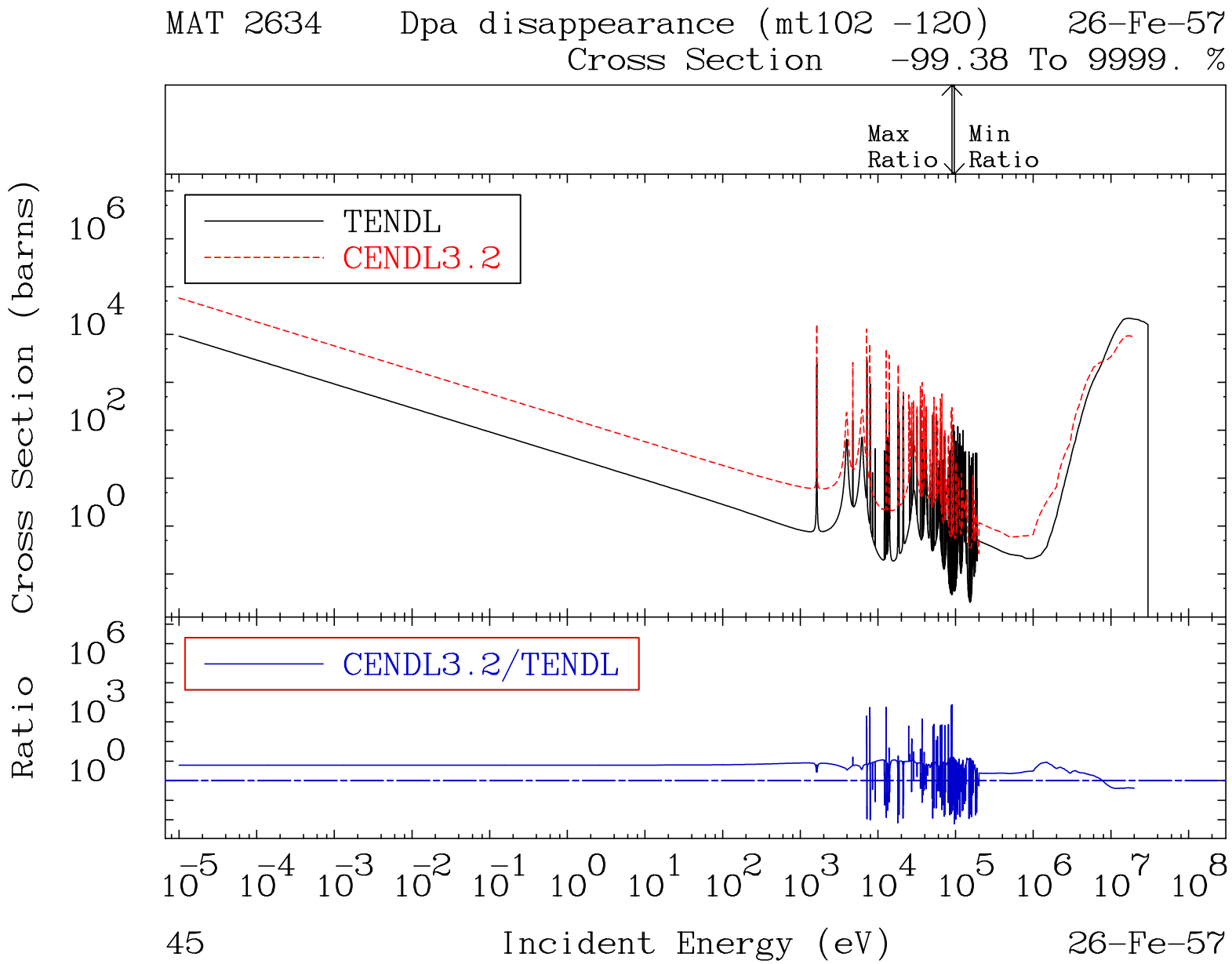

MAT 2634
Total photon (eV-barns)
26-Fe-57
Cross Section -99.87 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
40
26-Fe-57

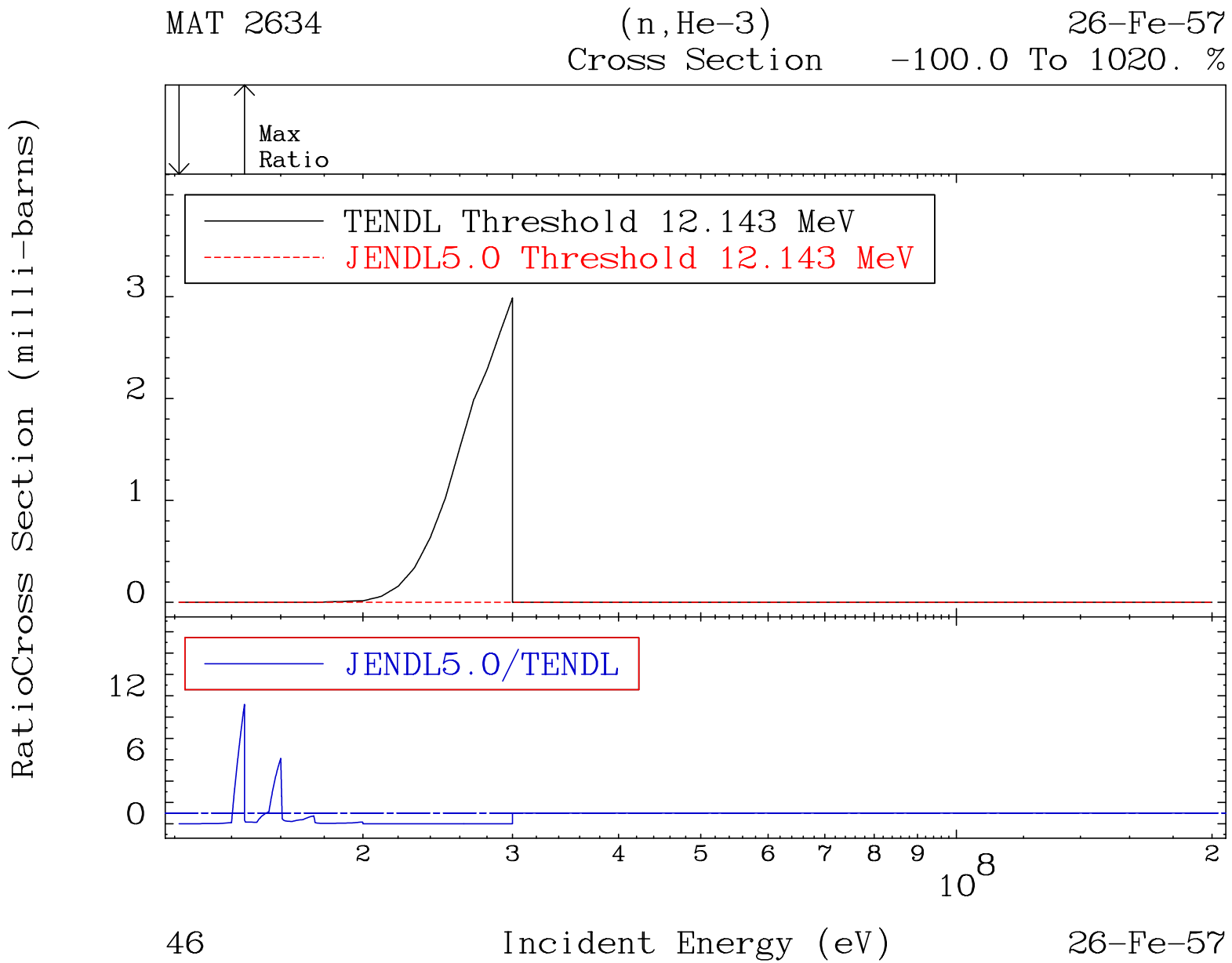

MAT 2634 Total kinematic kerma (high limit) 26-Fe-57
Cross Section -97.79 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
26-Fe-57

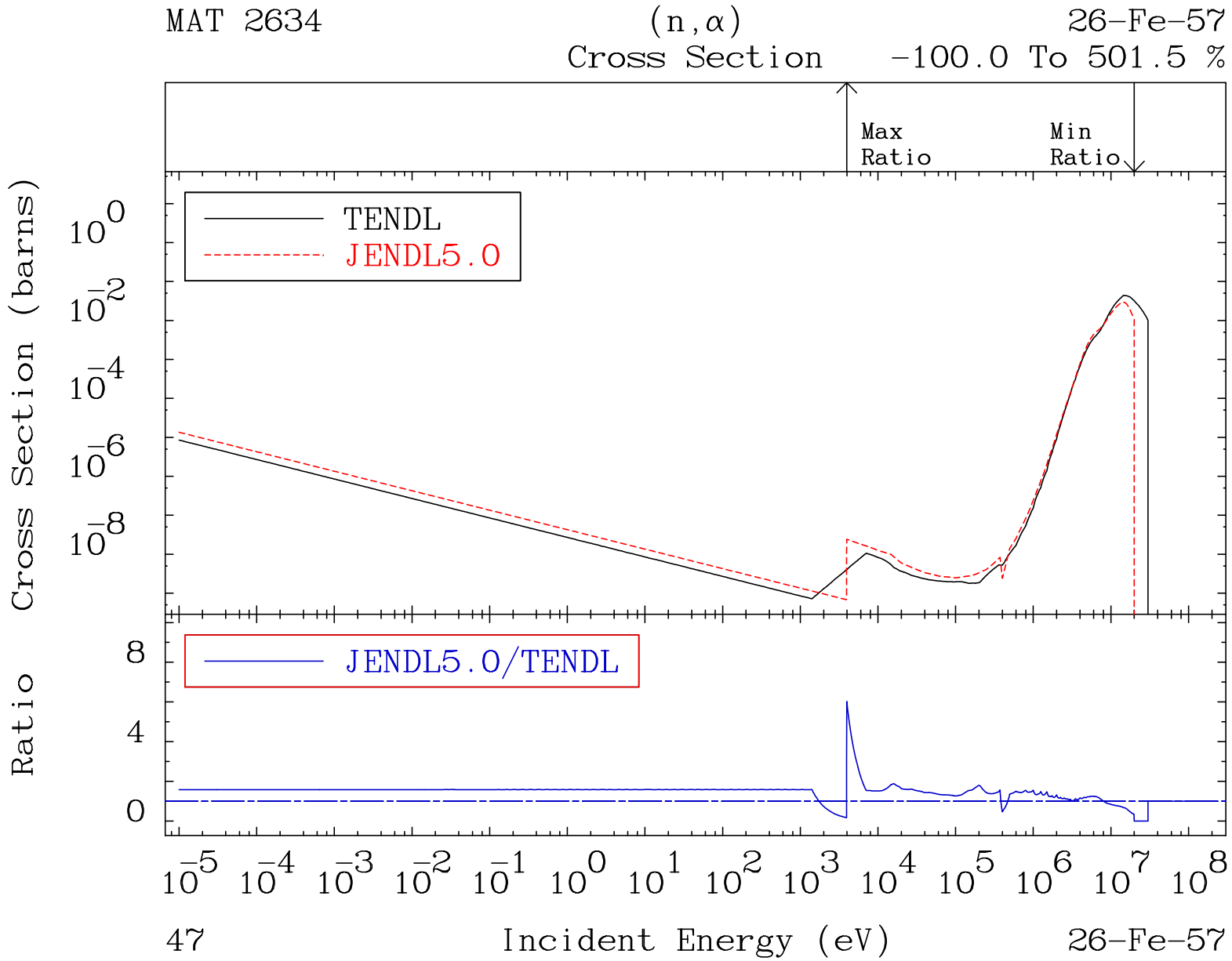

MAT 2634
Dpa total (eV-barns)
26-Fe-57
Cross Section -97.84 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
26-Fe-57

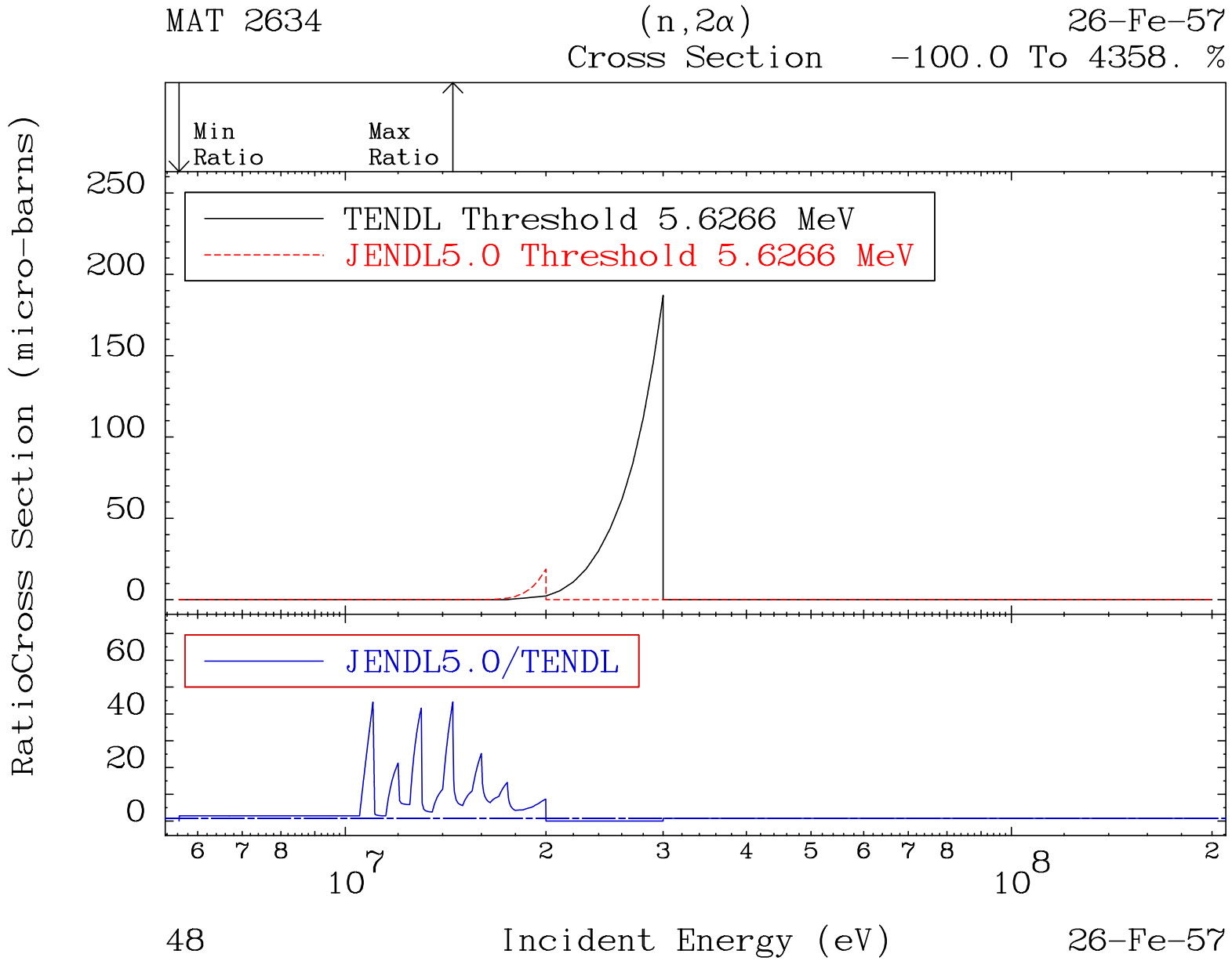

MAT 2634
Dpa elastic (mt2)
Cross Section
26-Fe-57
-99.03 To 4533. %
Min Ratio
Max Ratio
TENDL Threshold 562.50 eV
CENDL3.2 Threshold 578.55 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
26-Fe-57

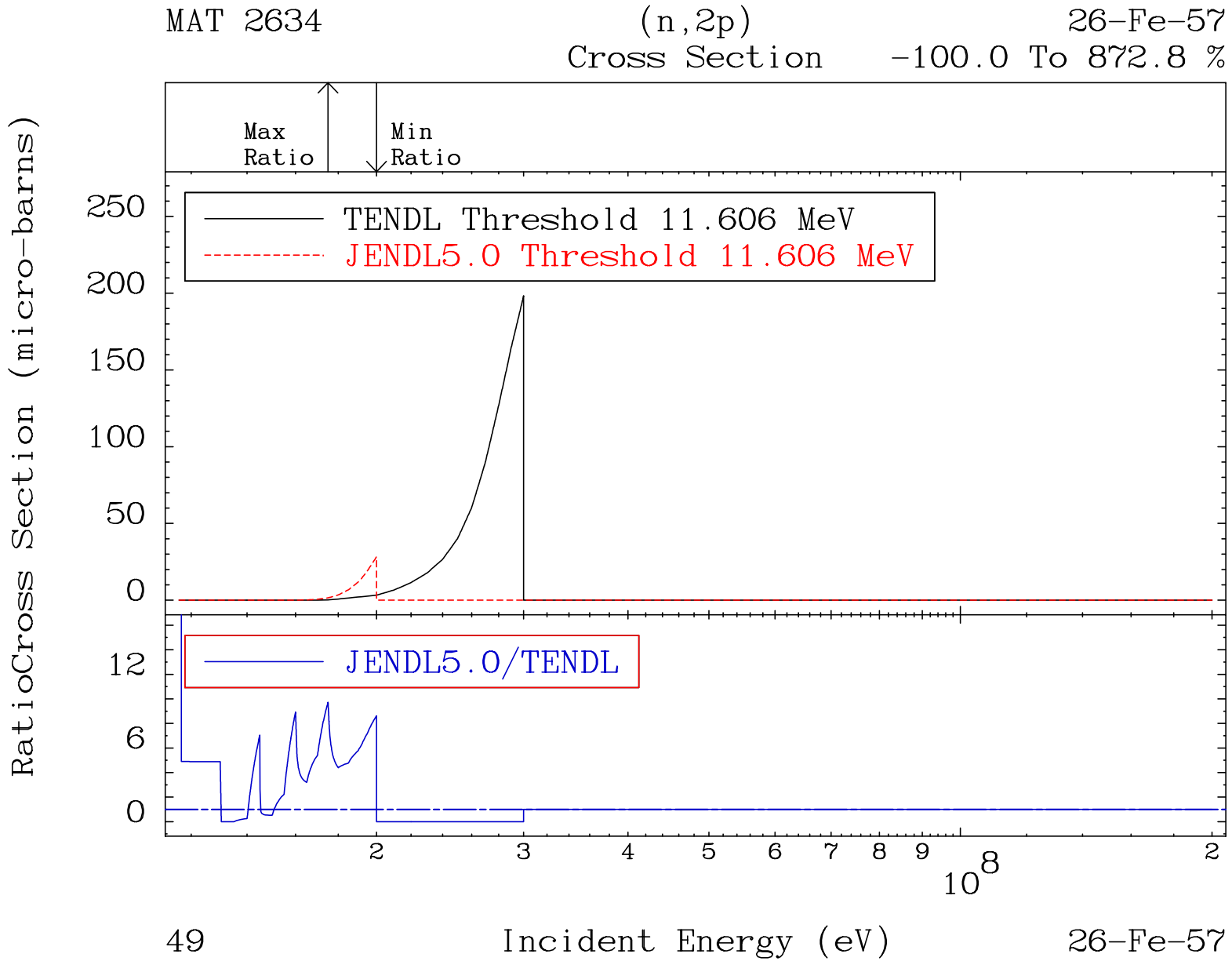

MAT 2634
Dpa inelastic (mt51-91)
26-Fe-57
Cross Section -35.00 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 189.96 keV
CENDL3.2 Threshold 14.656 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
26-Fe-57

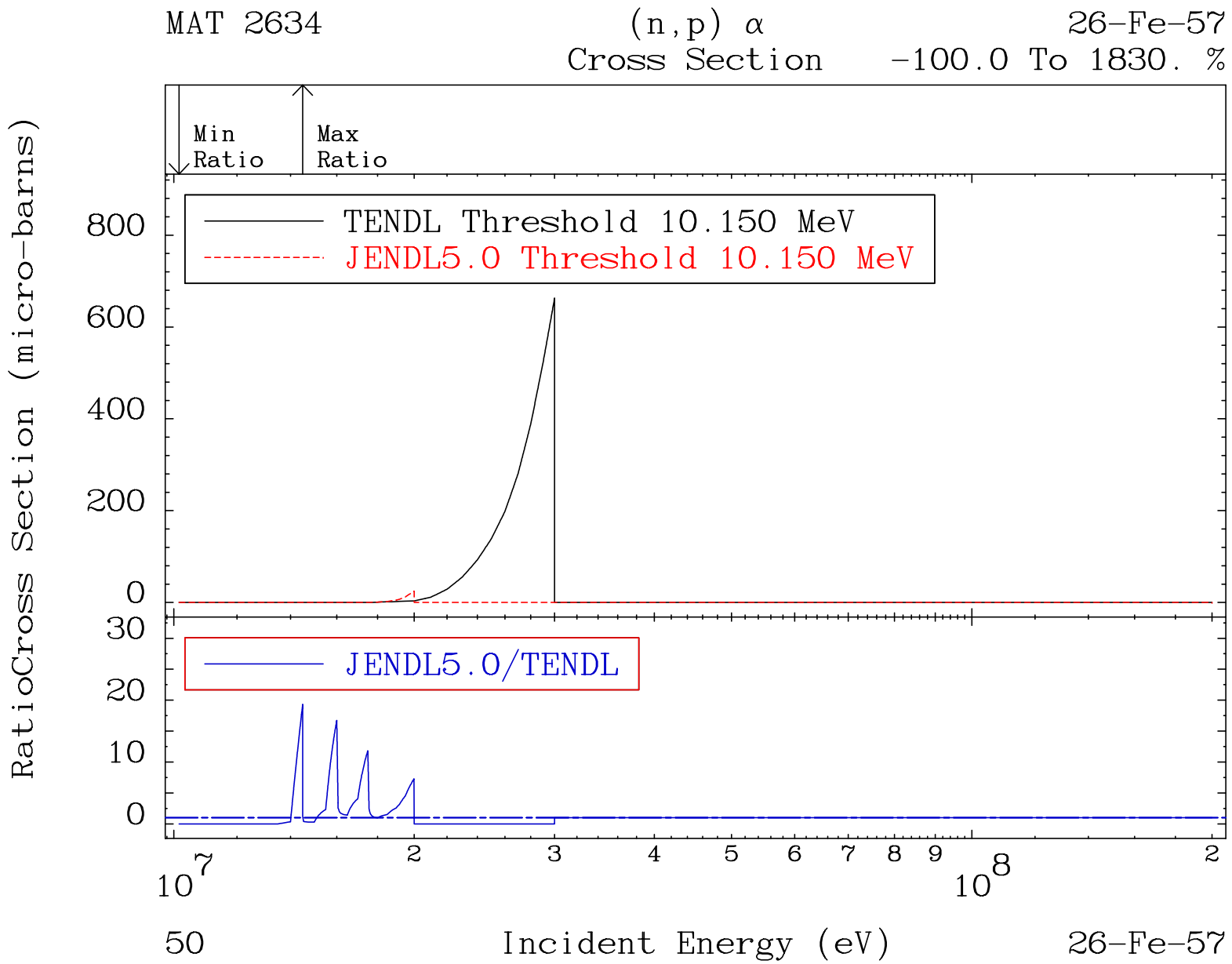

MAT 2634 Dpa disappearance (mt102 -120) 26-Fe-57
Cross Section -99.38 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
26-Fe-57

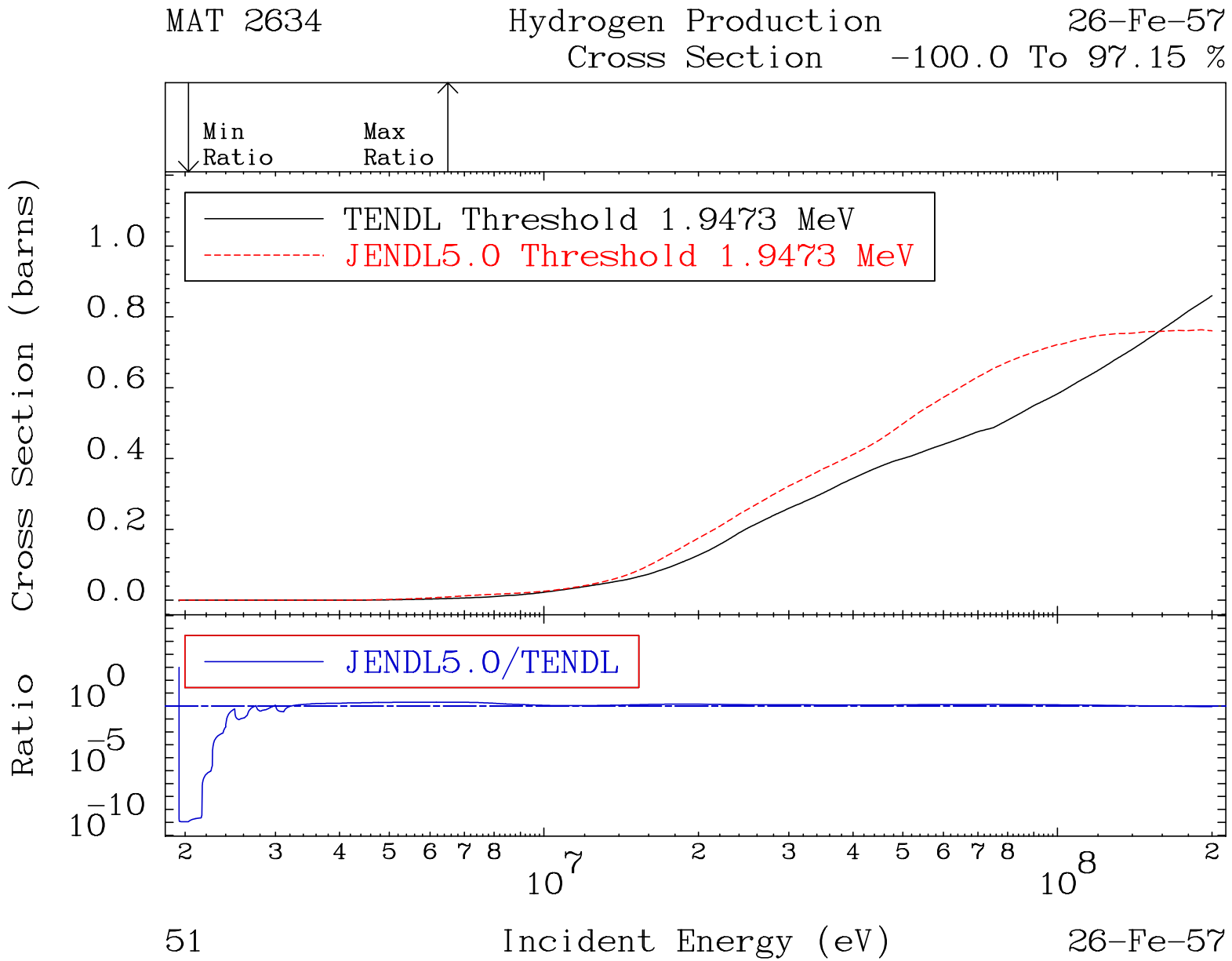

MAT 2634
(n,He-3)
Cross Section
26-Fe-57
-100.0 To 1020. %
Max
Ratio
TENDL Threshold 12.143 MeV
JENDL5.0 Threshold 12.143 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
46
26-Fe-57

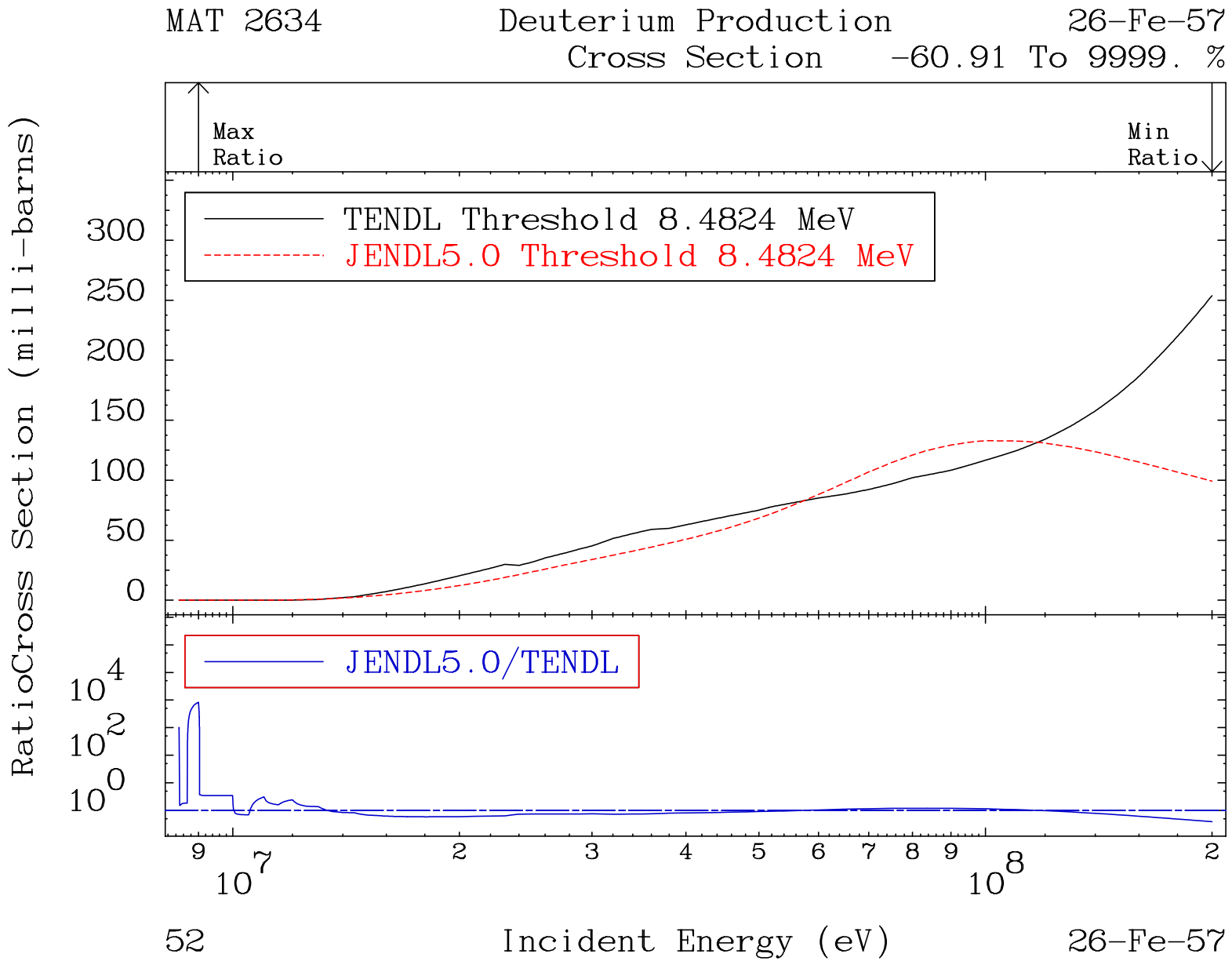

MAT 2634
(n,α)
Cross Section
26-Fe-57
-100.0 To 501.5 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
26-Fe-57

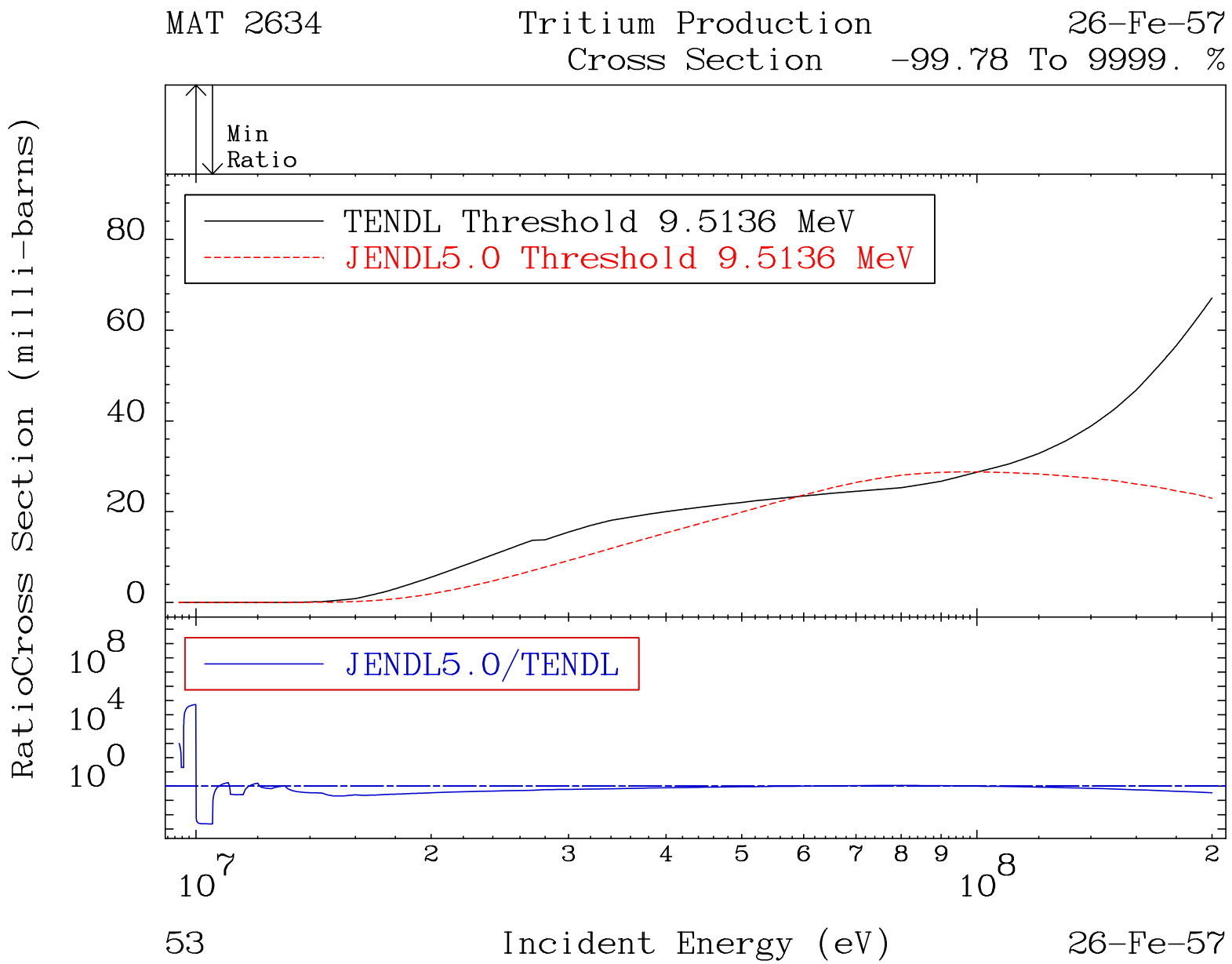

MAT 2634
(n,2α)
26-Fe-57
Cross Section
-100.0 To 4358. %
Min Ratio
Max Ratio
TENDL Threshold 5.6266 MeV
JENDL5.0 Threshold 5.6266 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
60
40
20
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
26-Fe-57

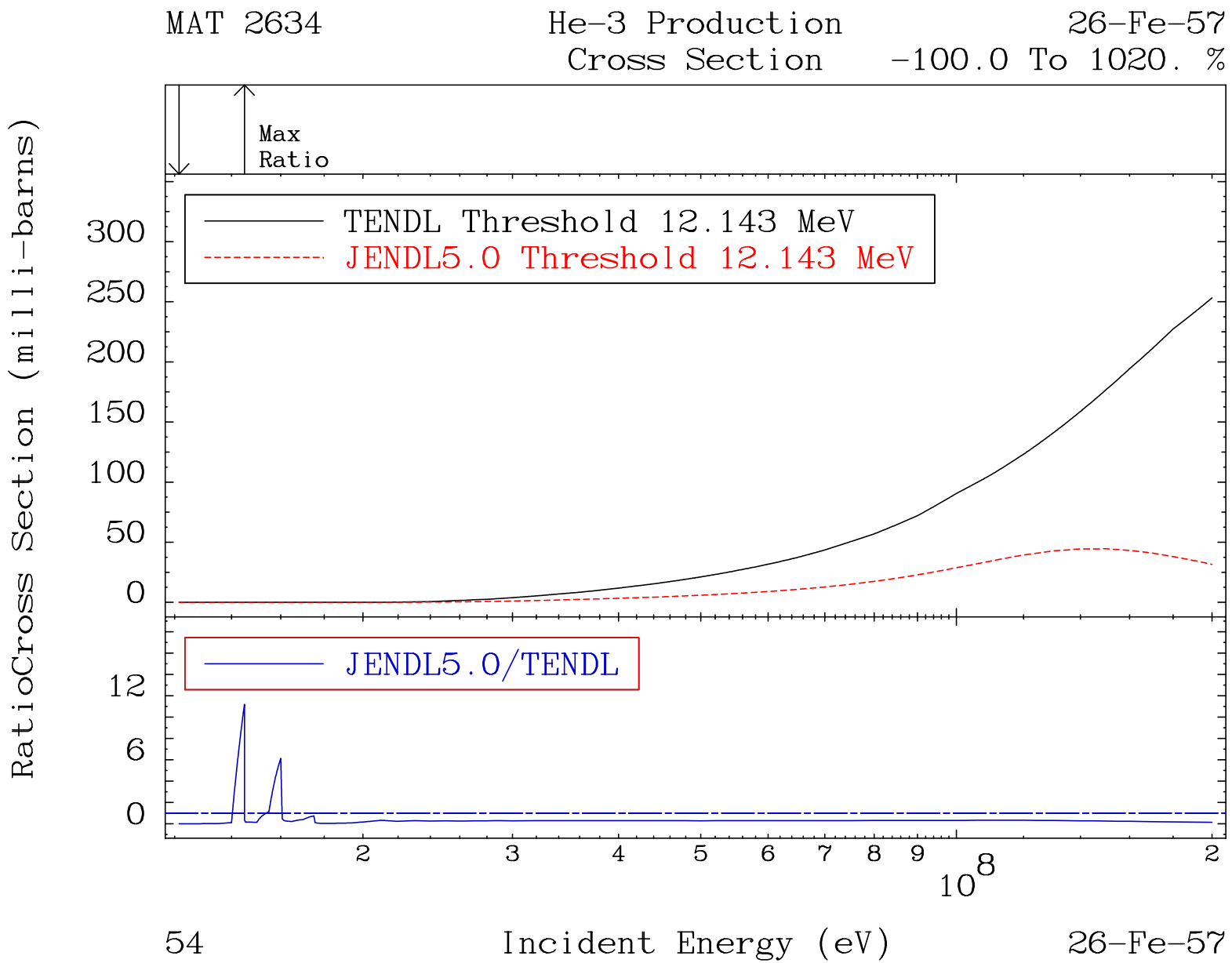

MAT 2634
(n,2p)
Cross Section
26-Fe-57
-100.0 To 872.8 %
Max Ratio
Min Ratio
TENDL Threshold 11.606 MeV
JENDL5.0 Threshold 11.606 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
26-Fe-57

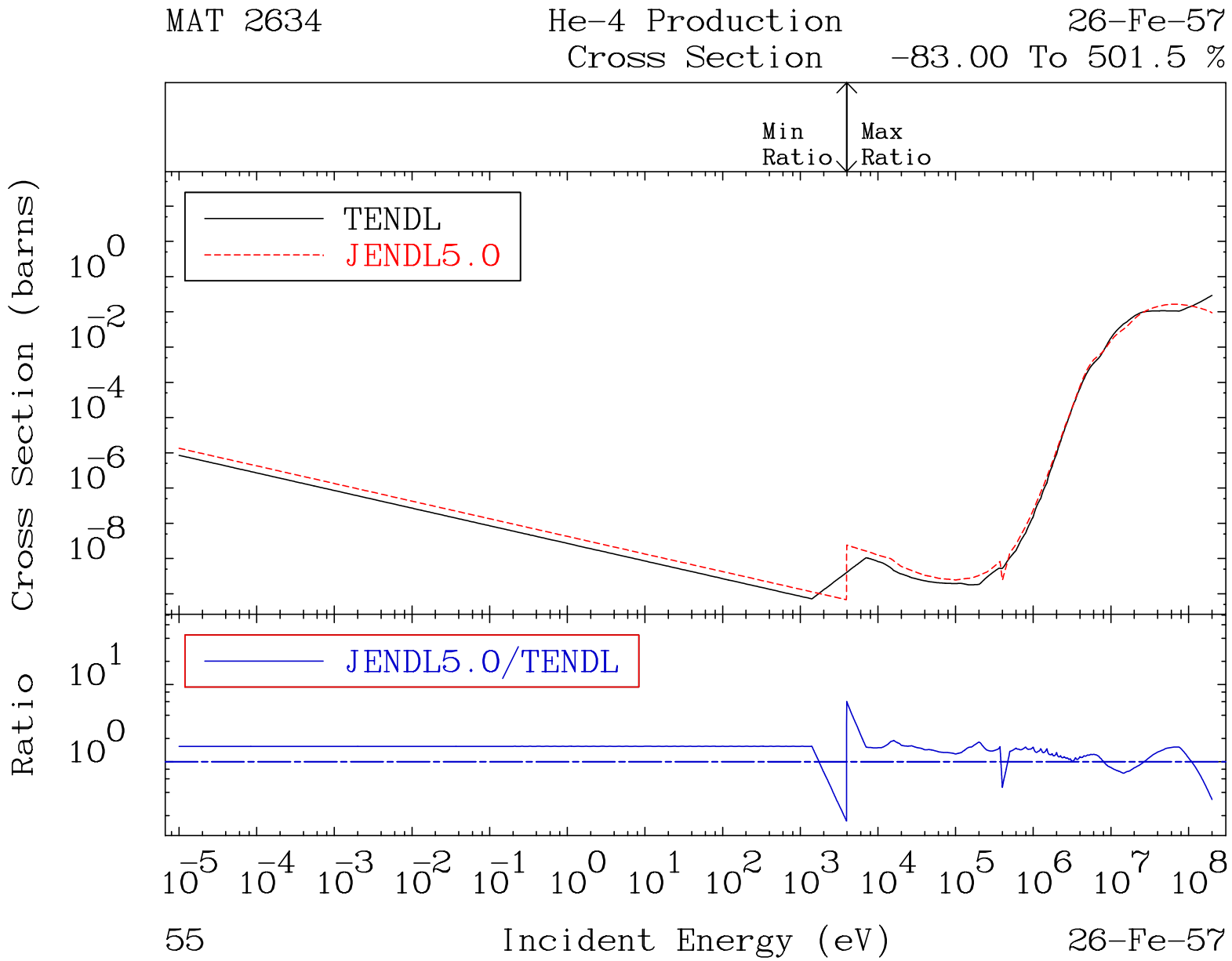

MAT 2634
(n,p) α
Cross Section
26-Fe-57
-100.0 To 1830. %
Min Ratio
Max Ratio
TENDL Threshold 10.150 MeV
JENDL5.0 Threshold 10.150 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
30
20
10
0
10^7
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
26-Fe-57

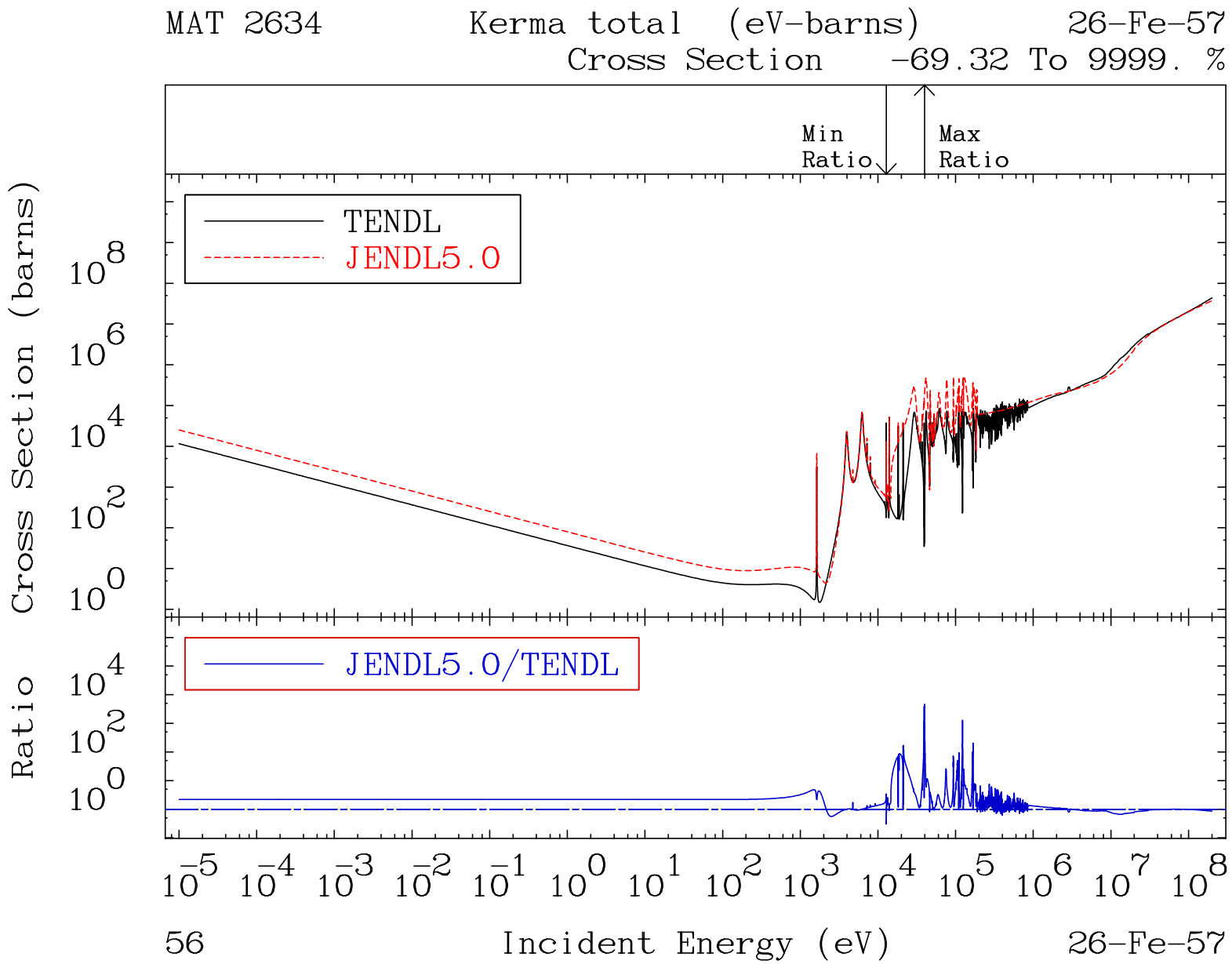

MAT 2634
Hydrogen Production
26-Fe-57
Cross Section
-100.0 To 97.15 %
Min Ratio
Max Ratio
TENDL Threshold 1.9473 MeV
JENDL5.0 Threshold 1.9473 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
10^0
10^-5
10^-10
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
51
Incident Energy (eV)
26-Fe-57

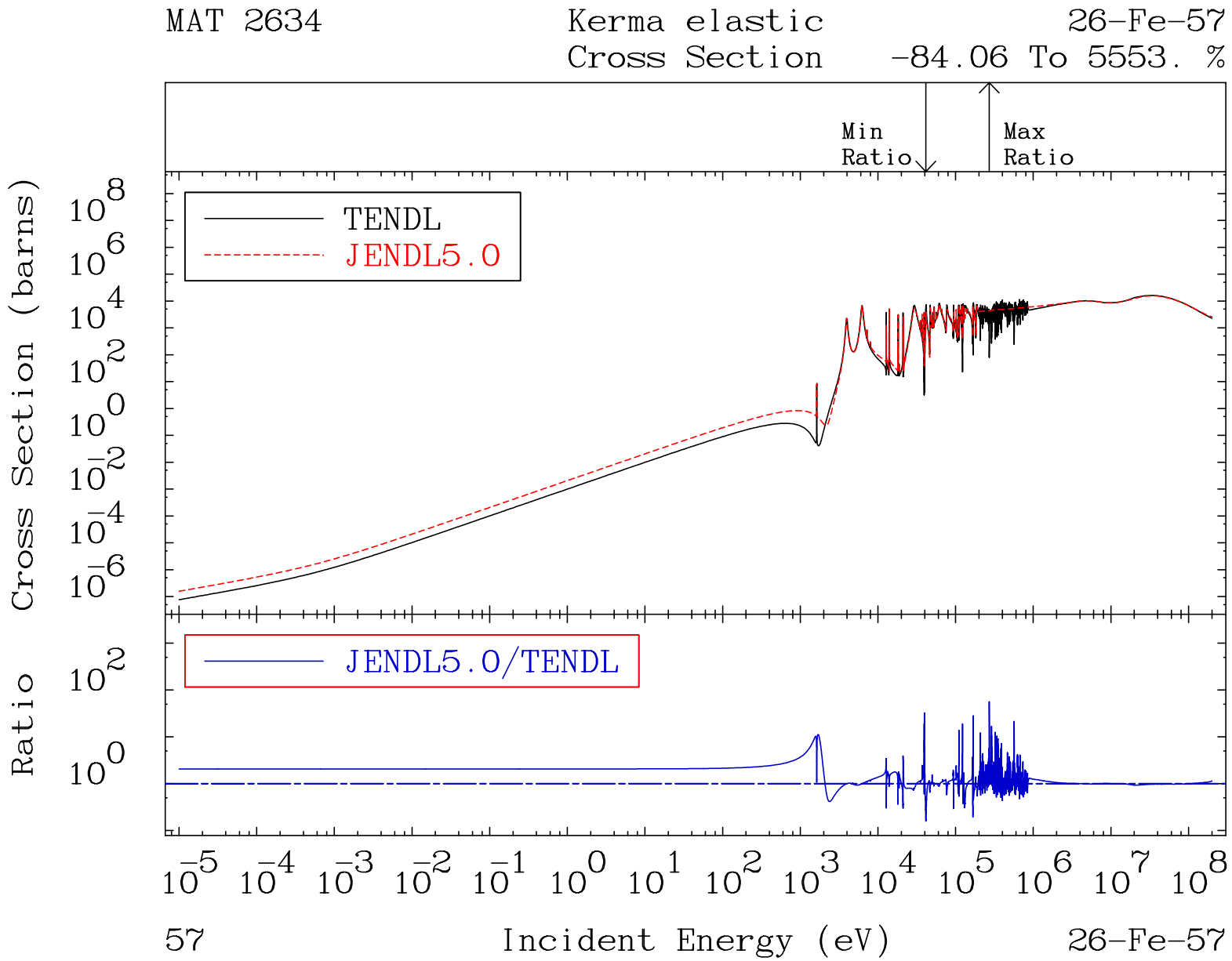

MAT 2634
Deuterium Production
26-Fe-57
Cross Section -60.91 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.4824 MeV
JENDL5.0 Threshold 8.4824 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
26-Fe-57

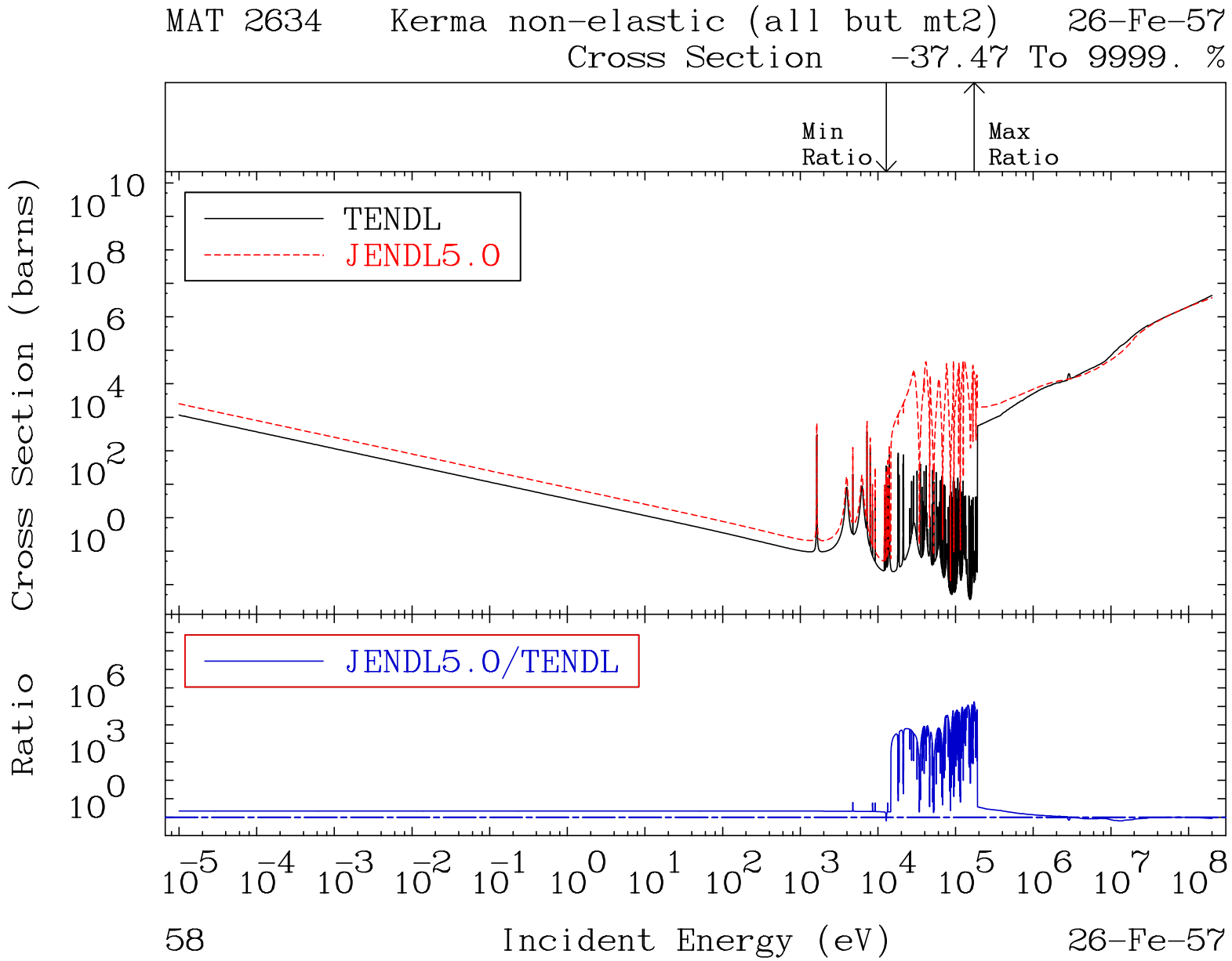

MAT 2634
Tritium Production
26-Fe-57
Cross Section
-99.78 To 9999. %
Min
Ratio
TENDL Threshold 9.5136 MeV
JENDL5.0 Threshold 9.5136 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^8
10^4
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
26-Fe-57

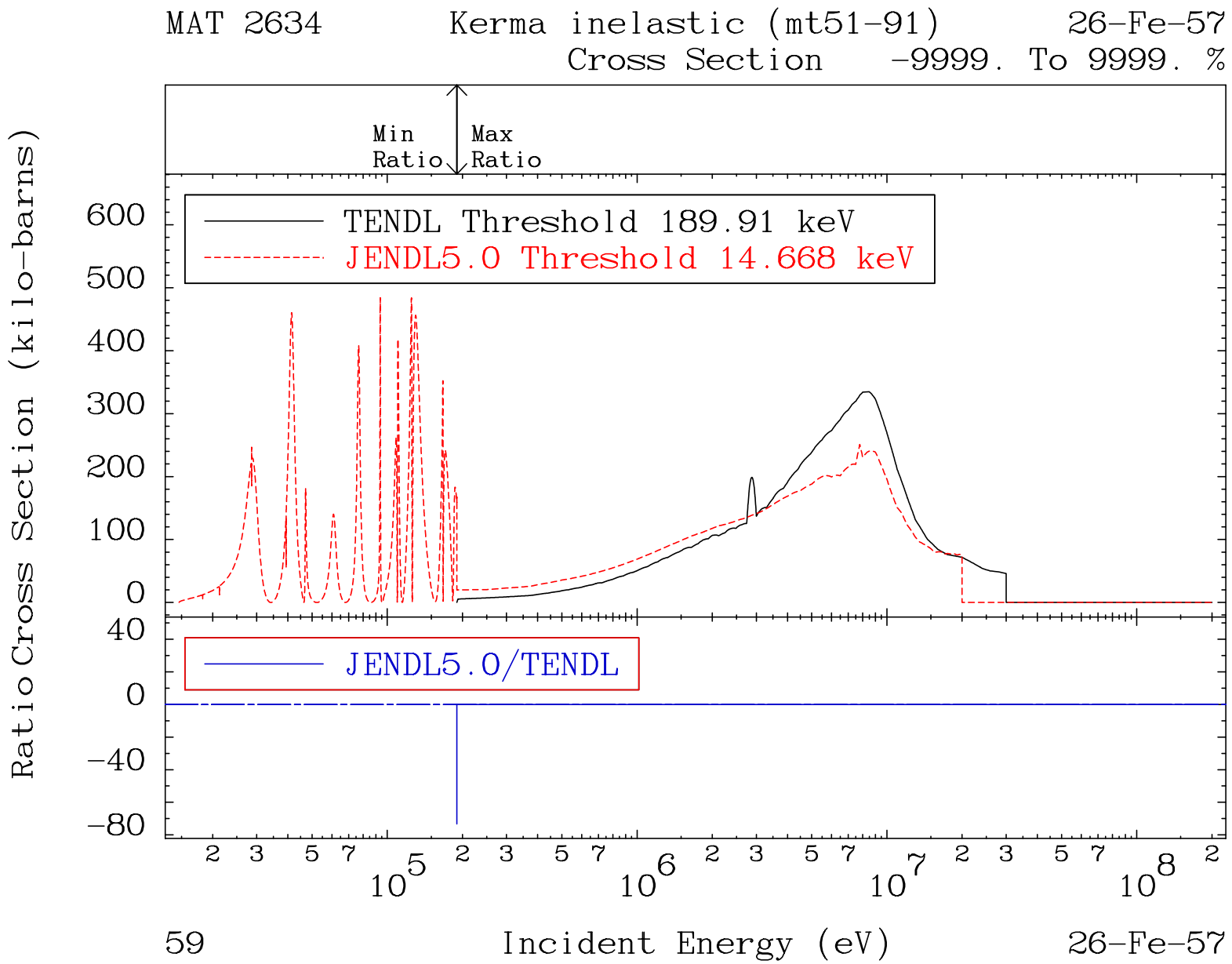

MAT 2634
He-3 Production
Cross Section
26-Fe-57
-100.0 To 1020. %
Max
Ratio
TENDL Threshold 12.143 MeV
JENDL5.0 Threshold 12.143 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
12
6
0
2
3
4
5
6
7
8
9
2
10^8
54
Incident Energy (eV)
26-Fe-57

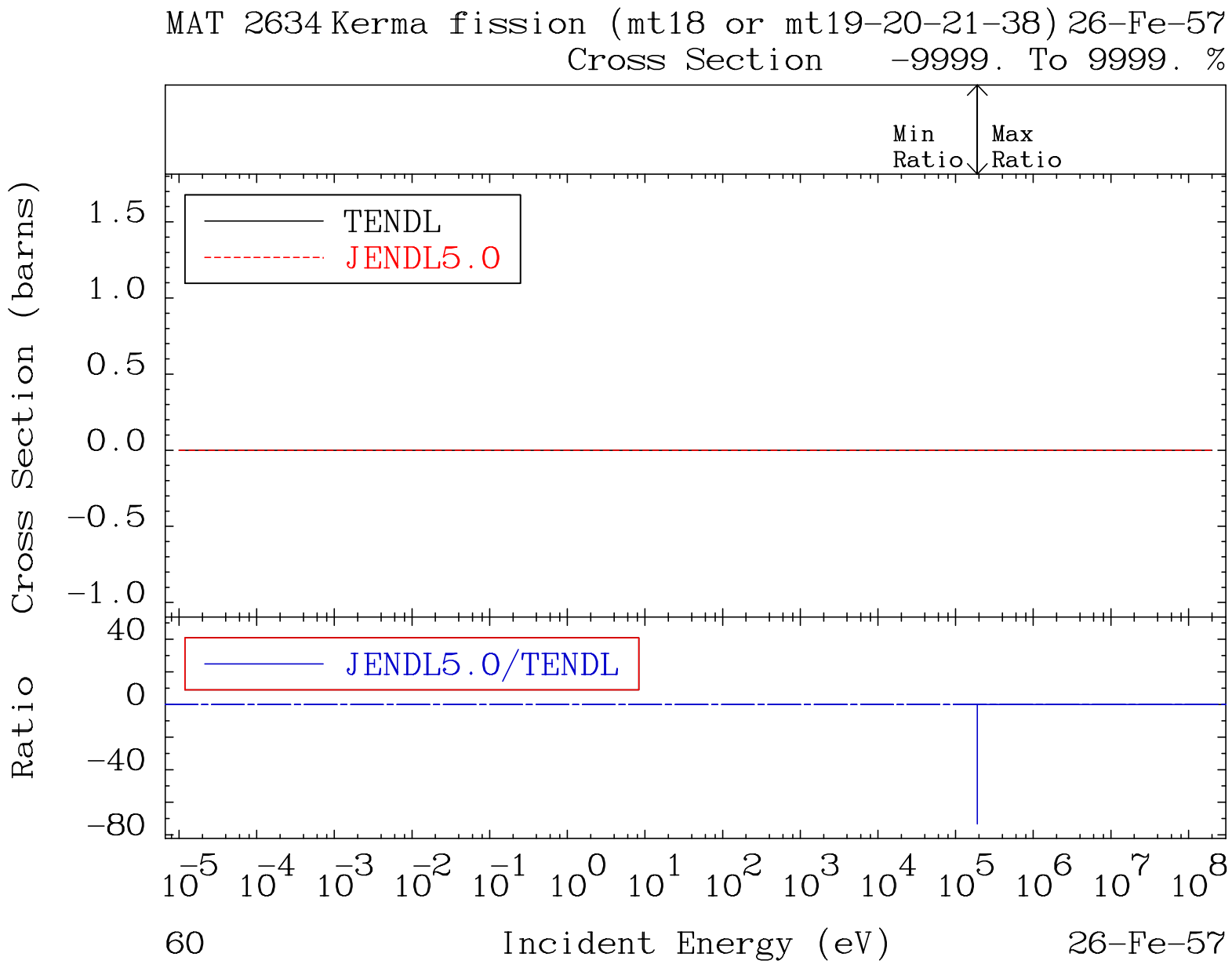

MAT 2634
He-4 Production
Cross Section
26-Fe-57
-83.00 To 501.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
26-Fe-57

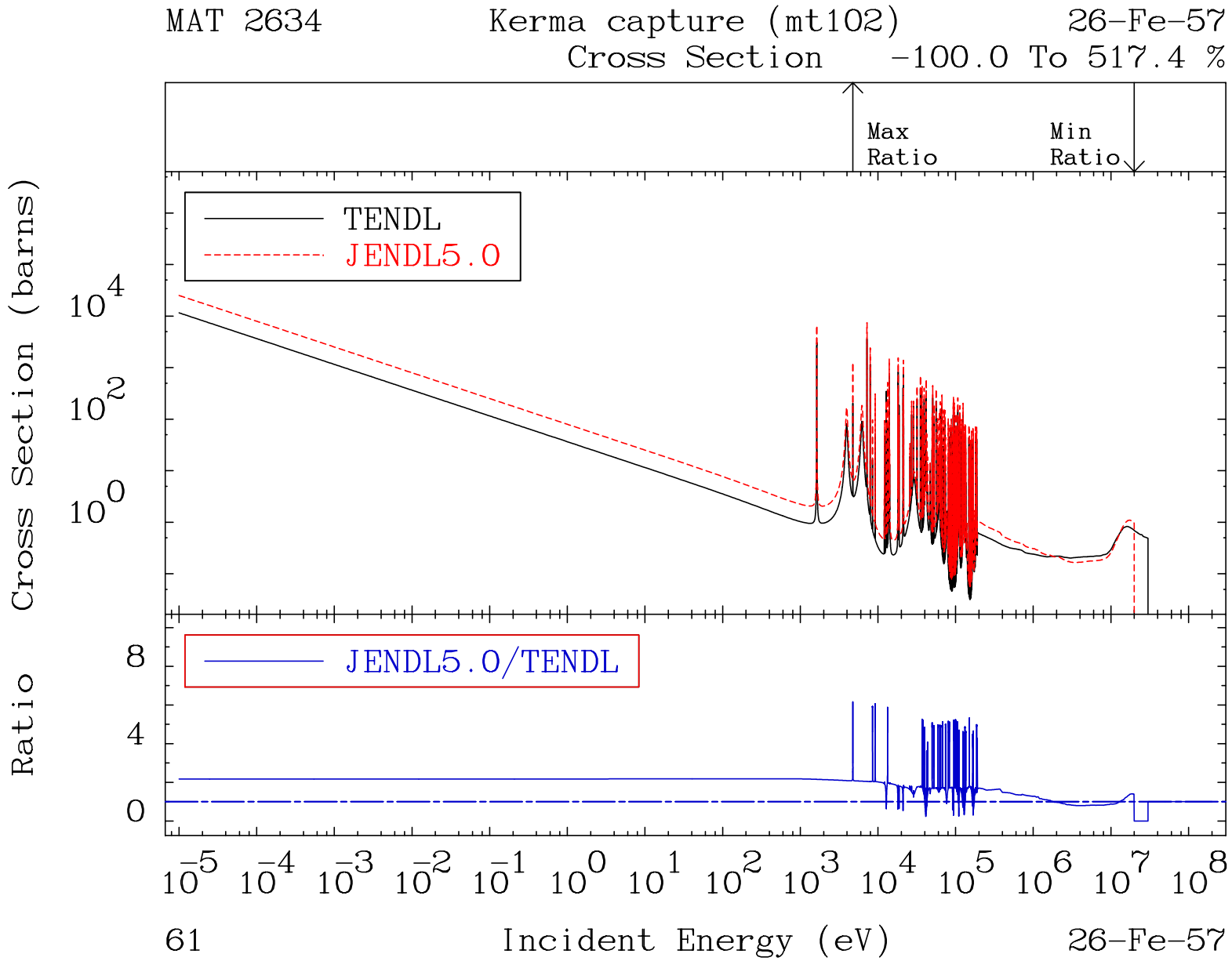

MAT 2634
Kerma total (eV-barns)
26-Fe-57
Cross Section -69.32 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
26-Fe-57

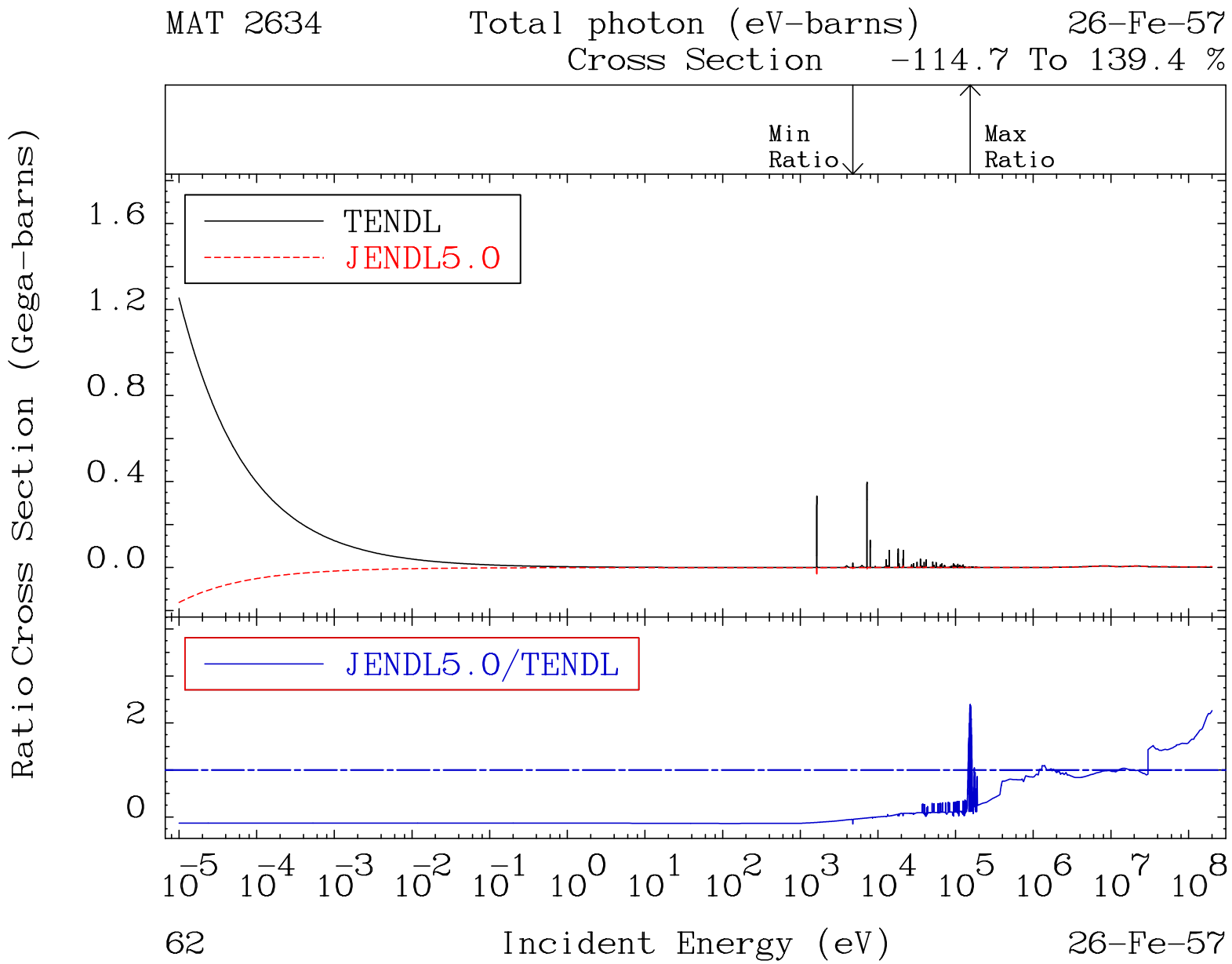

MAT 2634
Kerma elastic
Cross Section
26-Fe-57
-84.06 To 5553. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
26-Fe-57

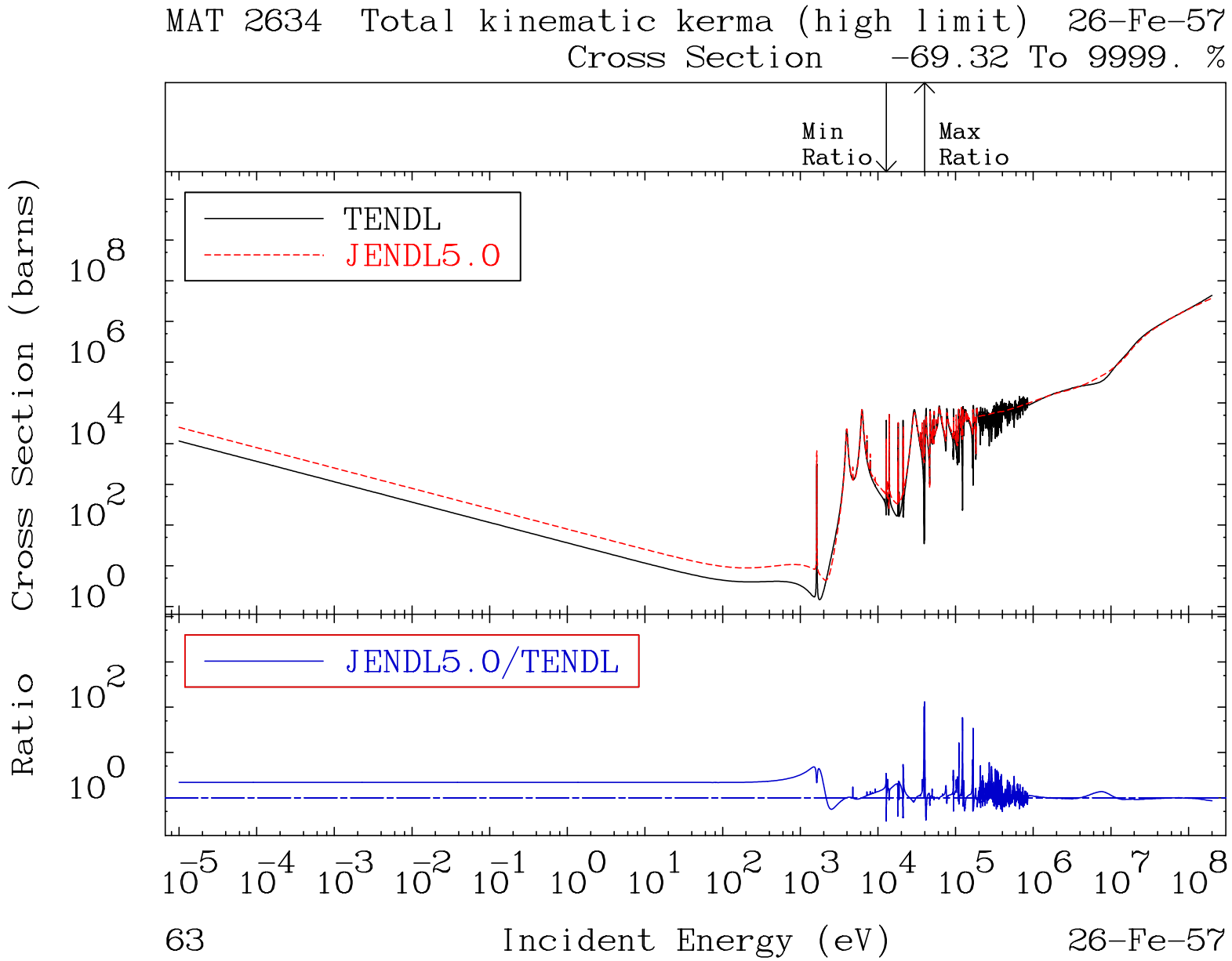

MAT 2634 Kerma non-elastic (all but mt2) 26-Fe-57
Cross Section -37.47 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
26-Fe-57

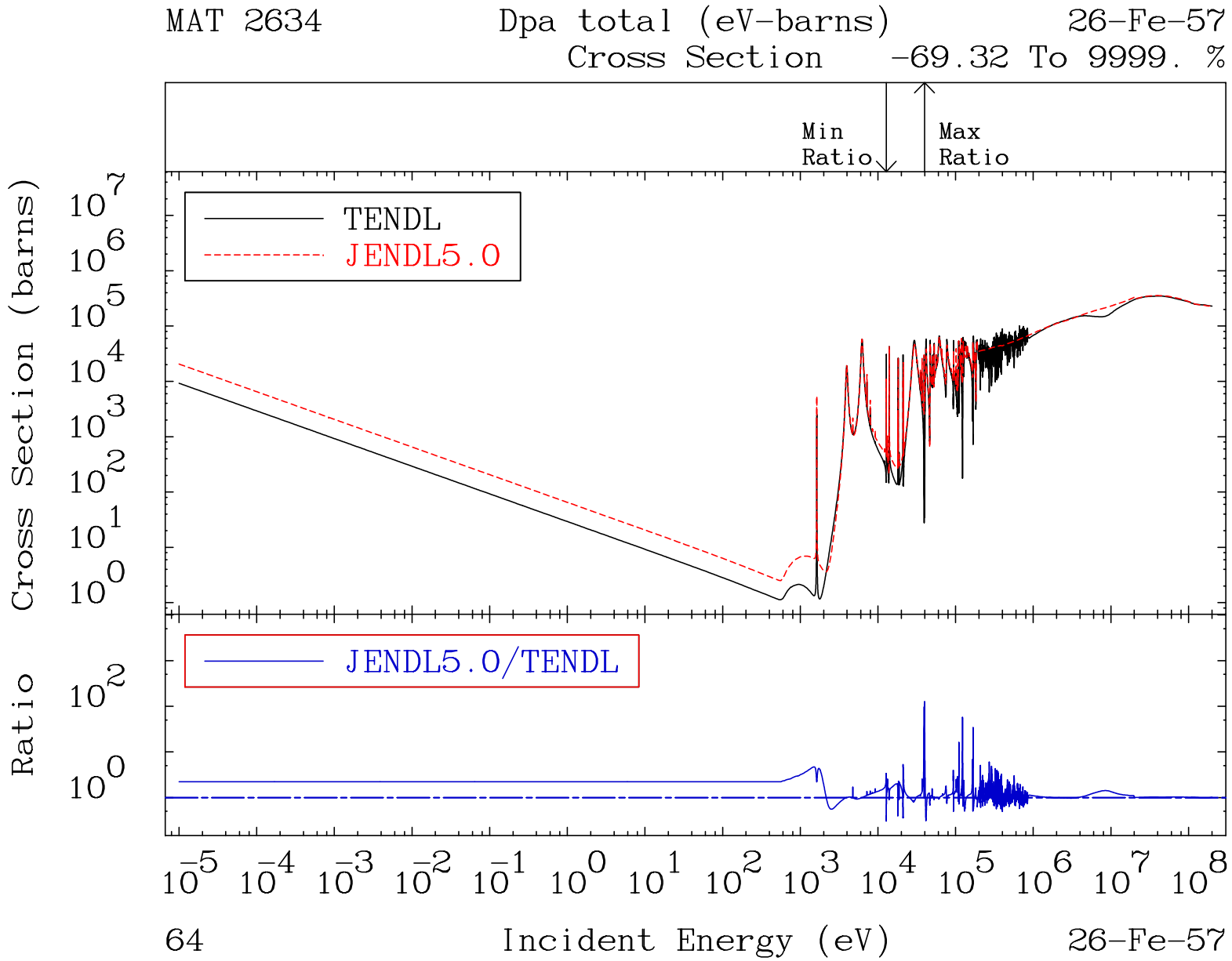

MAT 2634
Kerma inelastic (mt51-91)
26-Fe-57
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 189.91 keV
JENDL5.0 Threshold 14.668 keV
JENDL5.0/TENDL
Ratio Cross Section (kilo-barns)
600
500
400
300
200
100
0
40
0
-40
-80
2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
59
Incident Energy (eV)
26-Fe-57

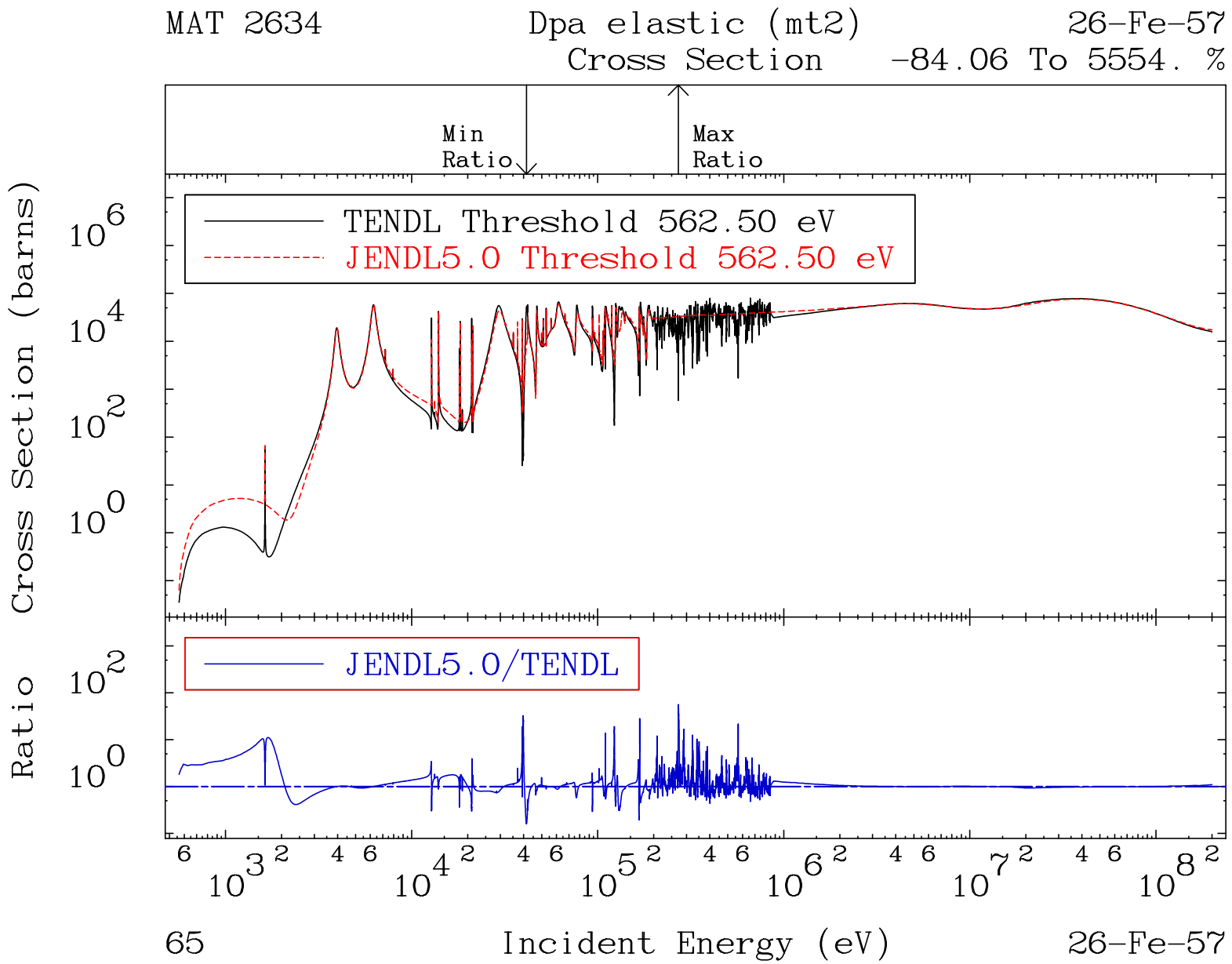

MAT 2634 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-57
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
40
0
-40
-80
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
60
26-Fe-57

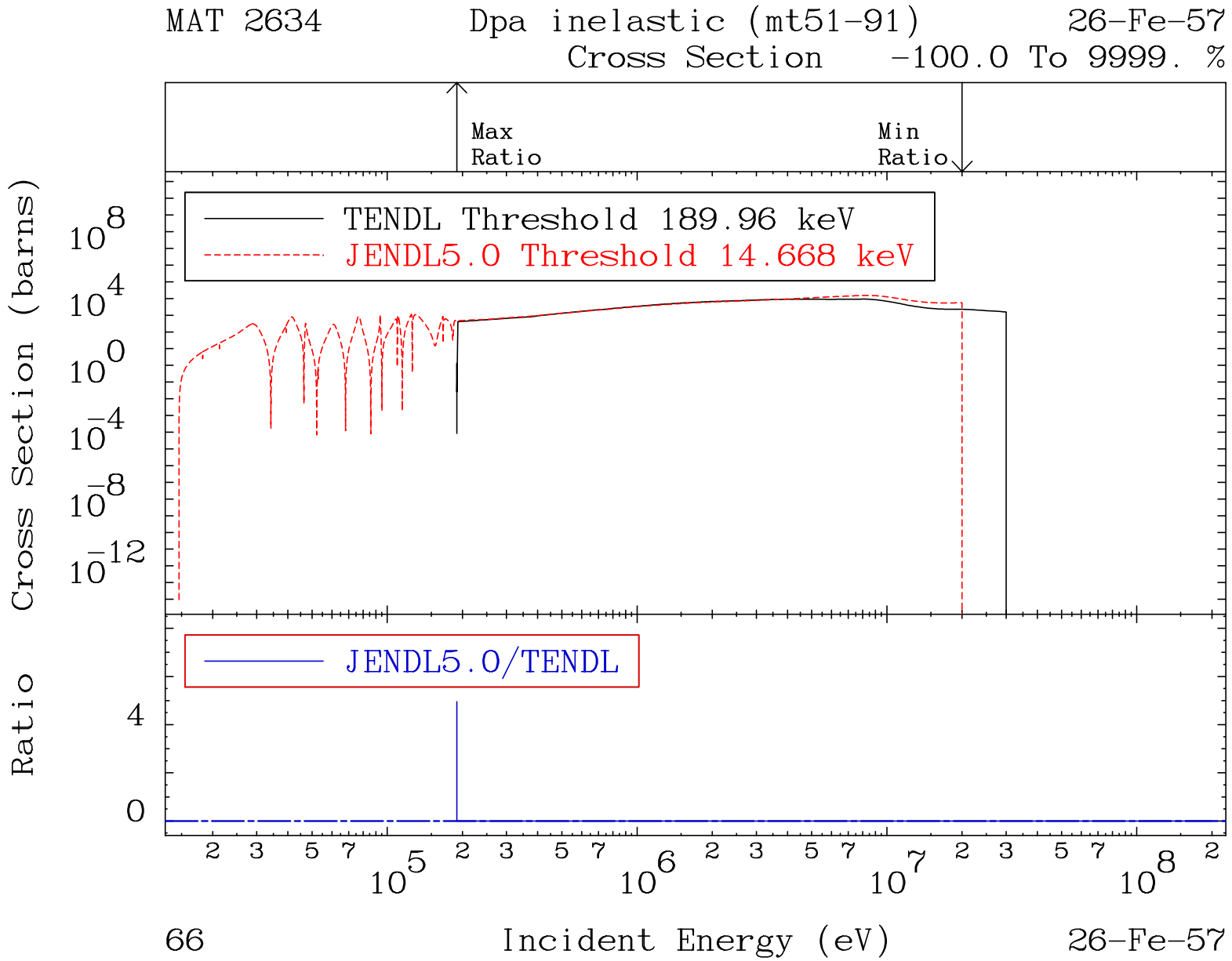

MAT 2634
Kerma capture (mt102)
26-Fe-57
Cross Section -100.0 To 517.4 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
JENDL5.0/TENDL
Ratio
8
4
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
61
Incident Energy (eV)
26-Fe-57

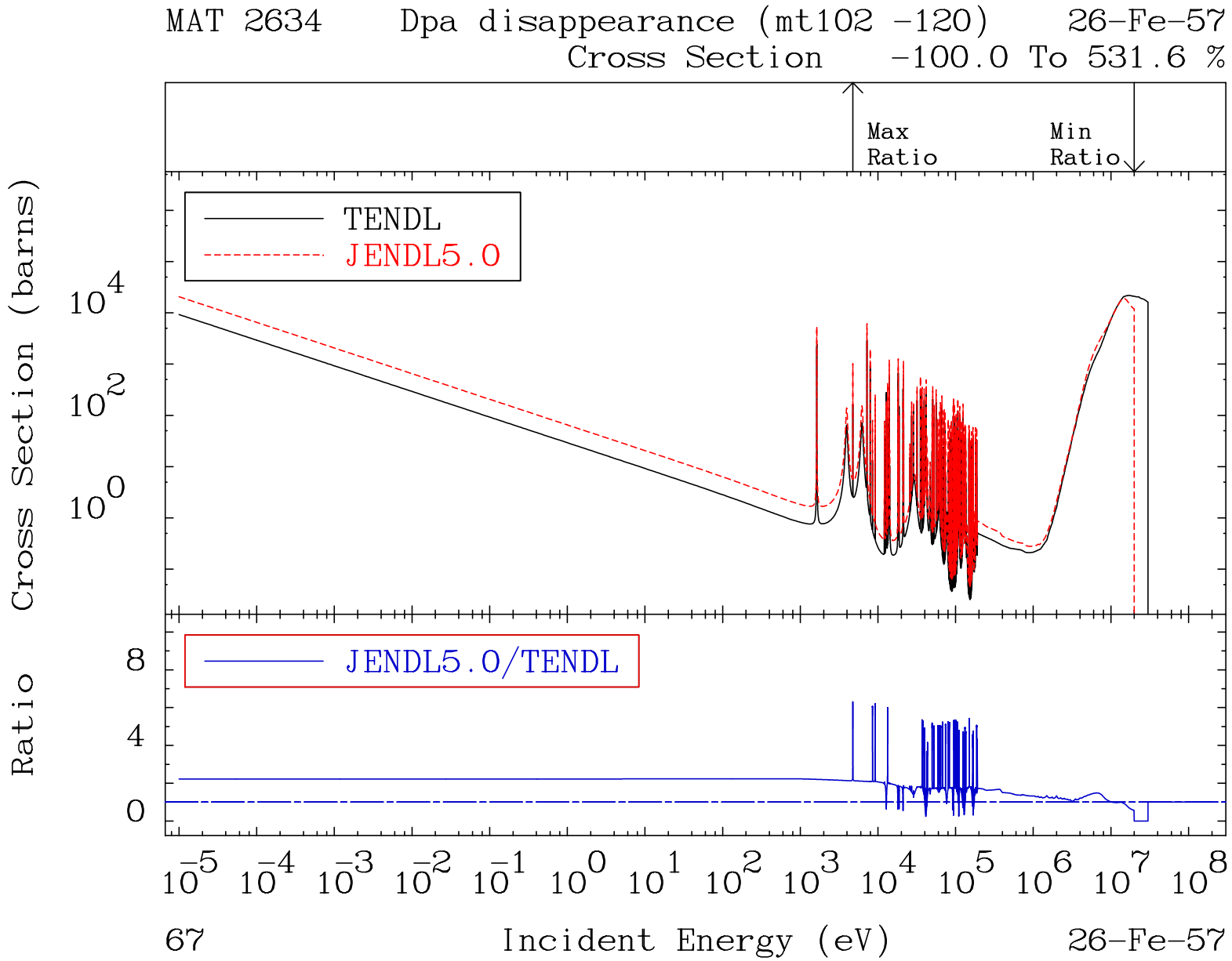

MAT 2634
Total photon (eV-barns)
26-Fe-57
Cross Section -114.7 To 139.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Giga-barns)
1.6
1.2
0.8
0.4
0.0
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
62
Incident Energy (eV)
26-Fe-57


MAT 2634 Total kinematic kerma (high limit) 26-Fe-57
Cross Section -69.32 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
26-Fe-57


MAT 2634
Dpa total (eV-barns)
26-Fe-57
Cross Section -69.32 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
64
Incident Energy (eV)
26-Fe-57


MAT 2634
Dpa elastic (mt2)
Cross Section
26-Fe-57
-84.06 To 5554. %
Min Ratio
Max Ratio
TENDL Threshold 562.50 eV
JENDL5.0 Threshold 562.50 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
26-Fe-57


MAT 2634
Dpa inelastic (mt51-91)
26-Fe-57
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 189.96 keV
JENDL5.0 Threshold 14.668 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
26-Fe-57


MAT 2634 Dpa disappearance (mt102 -120) 26-Fe-57
Cross Section -100.0 To 531.6 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
JENDL5.0/TENDL
Ratio
8
4
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
67
Incident Energy (eV)
26-Fe-57