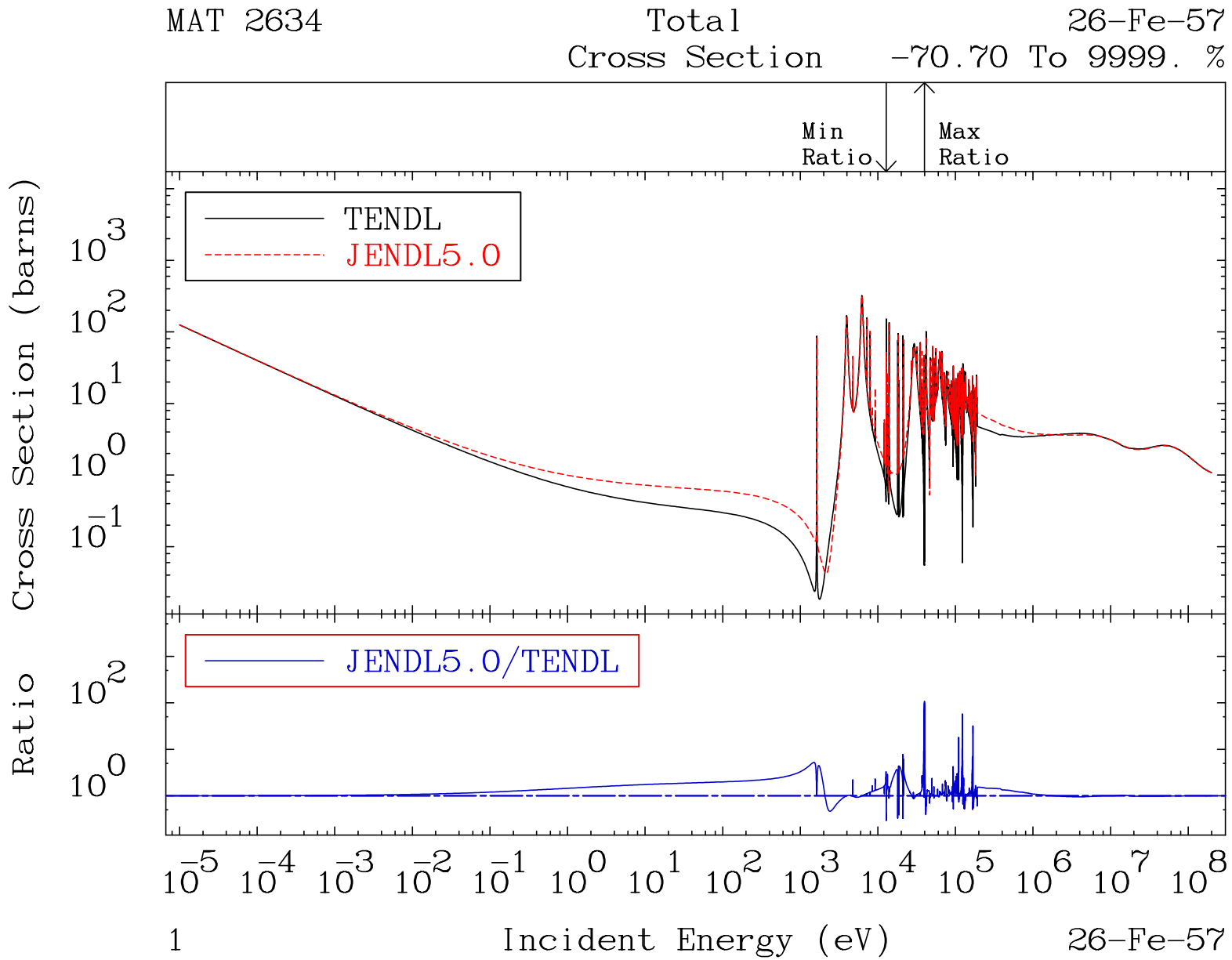
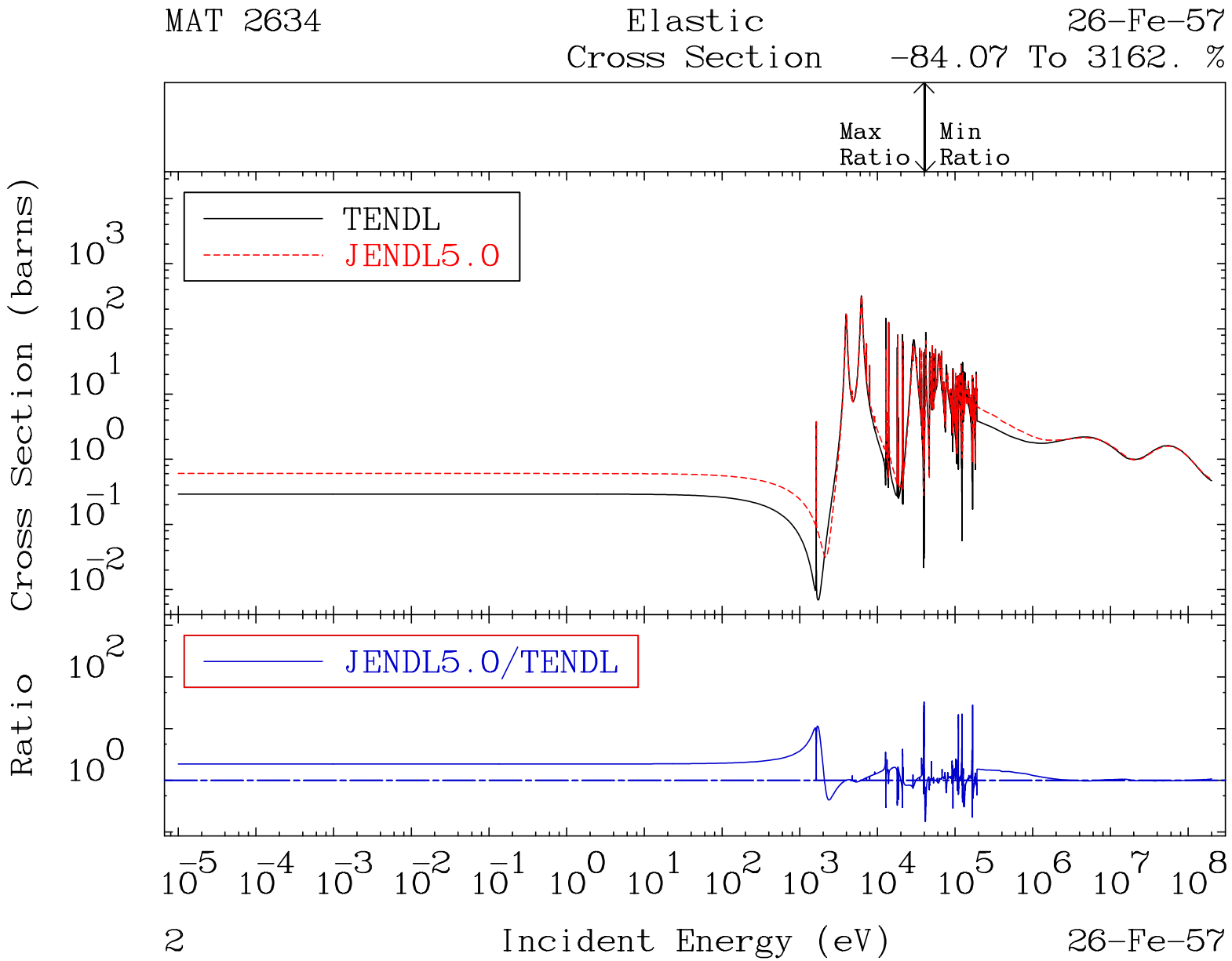
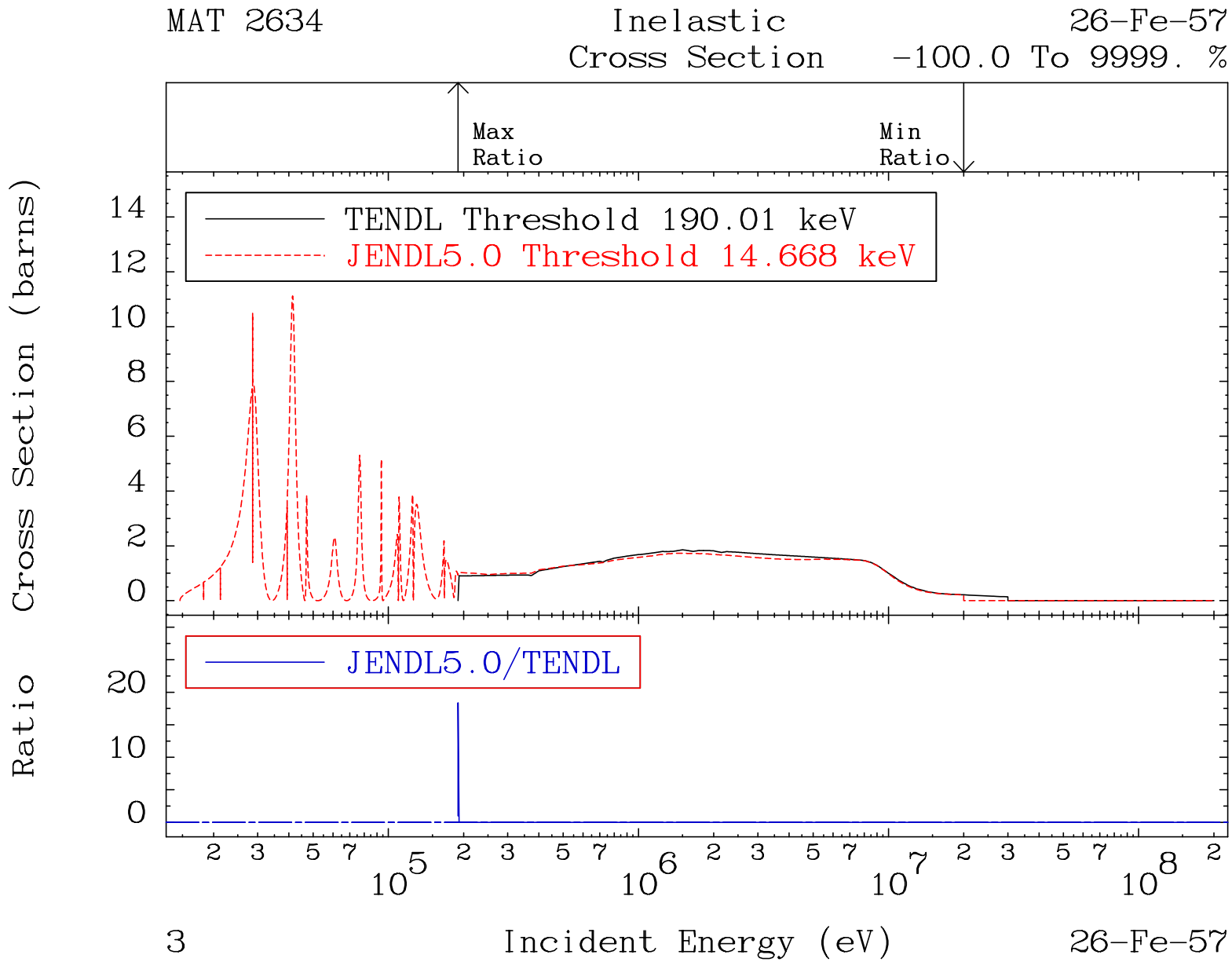
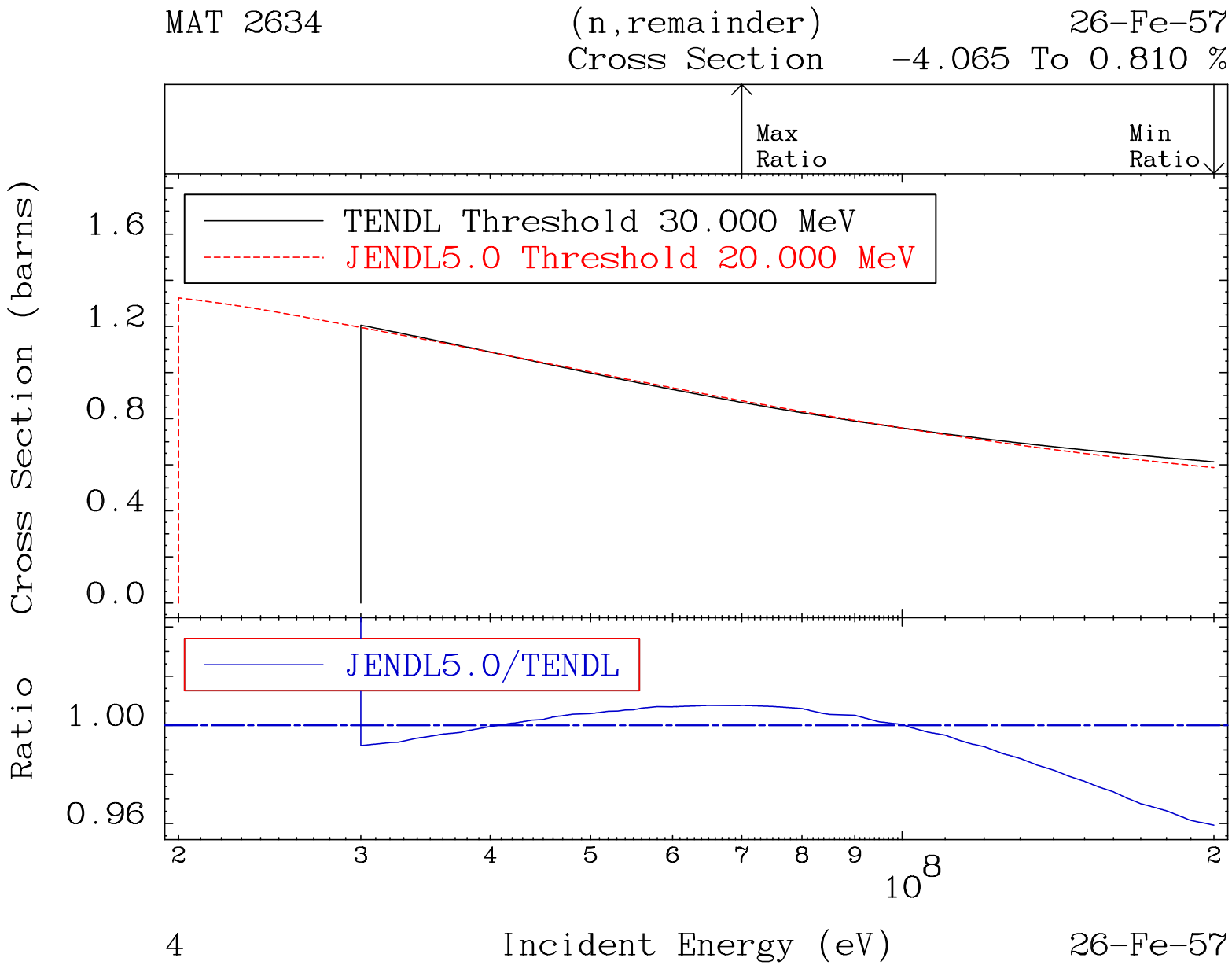
Program Complot
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

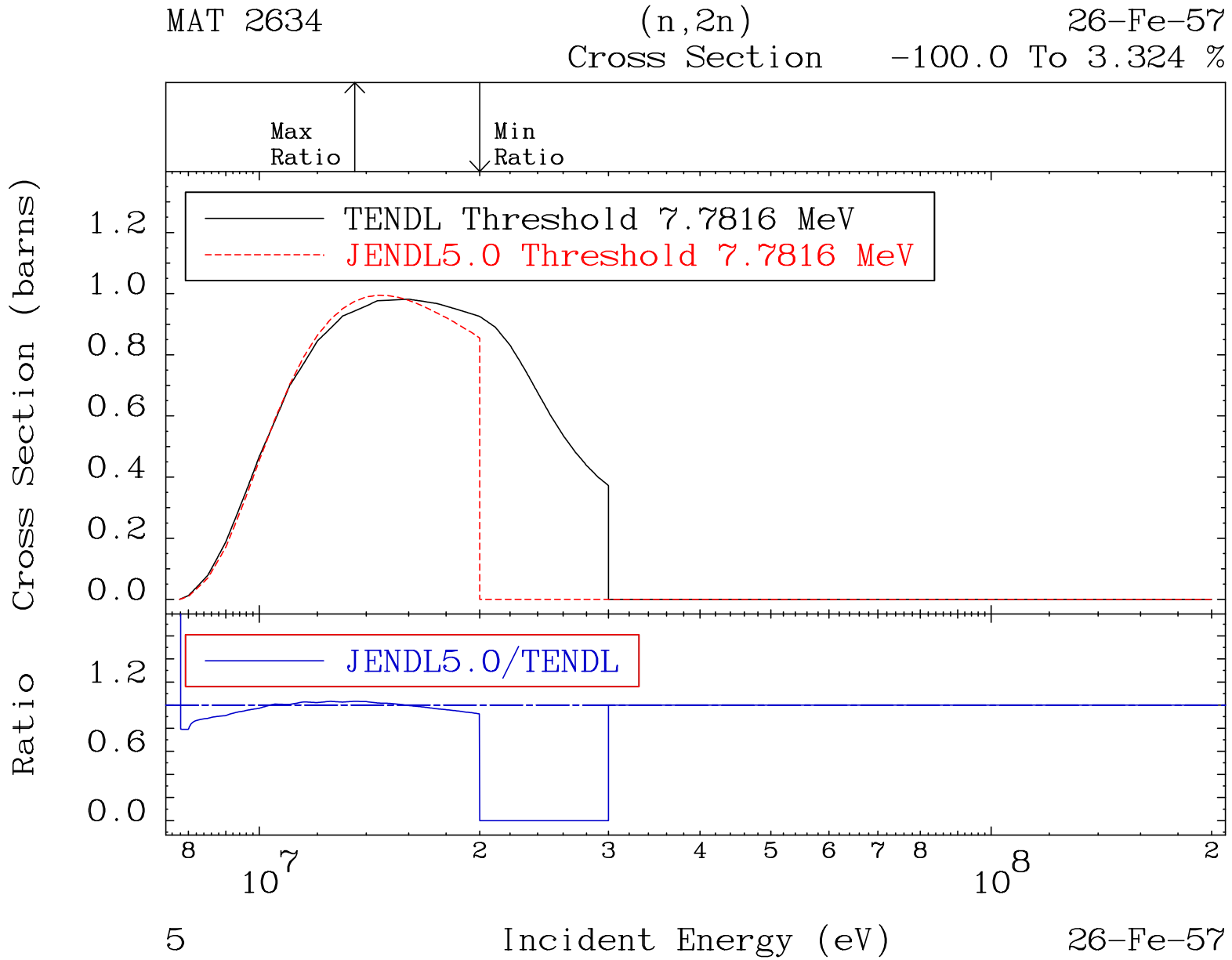
Press Mouse Button to Start

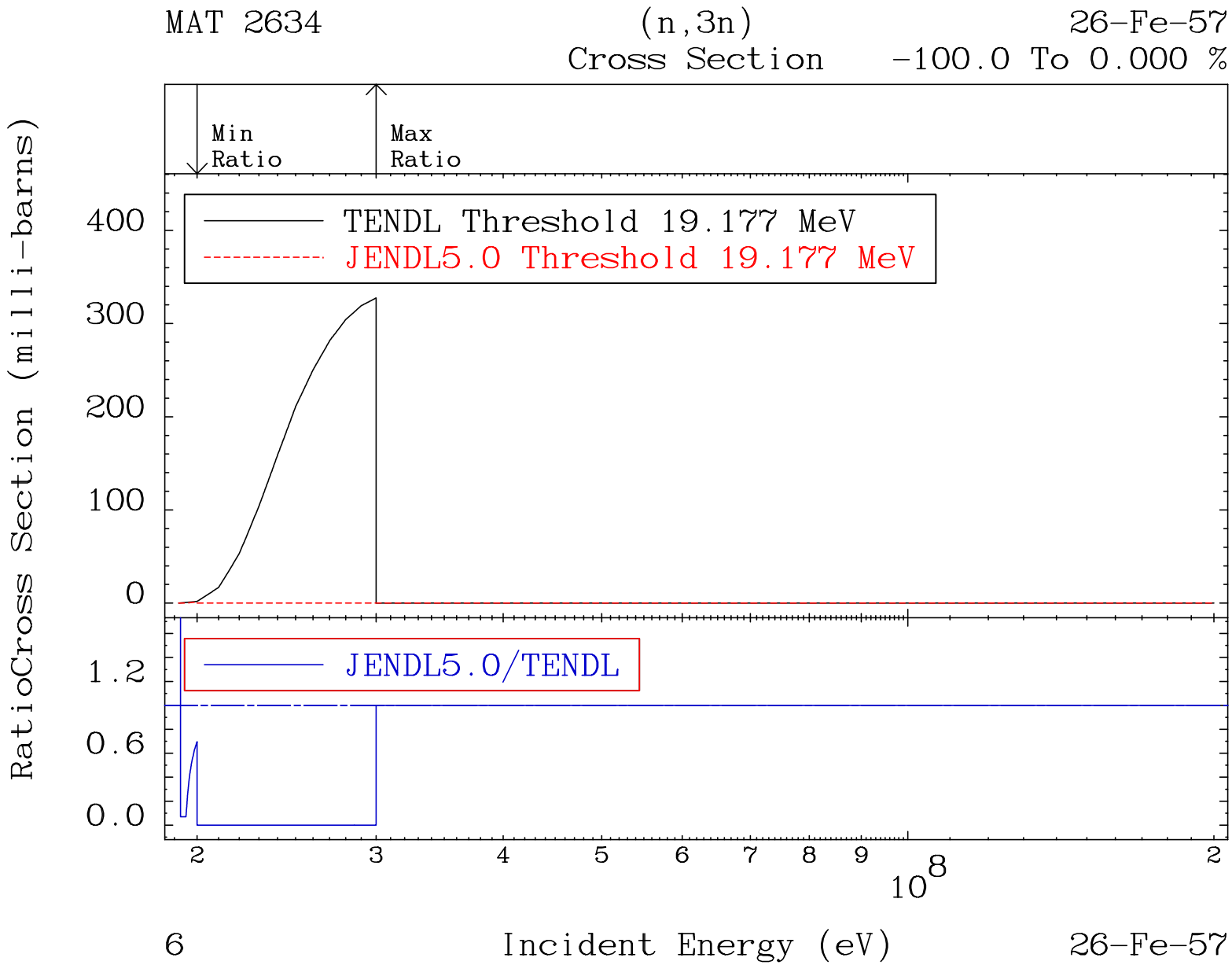

MAT 2634
Total
Cross Section
26-Fe-57
-70.70 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
26-Fe-57

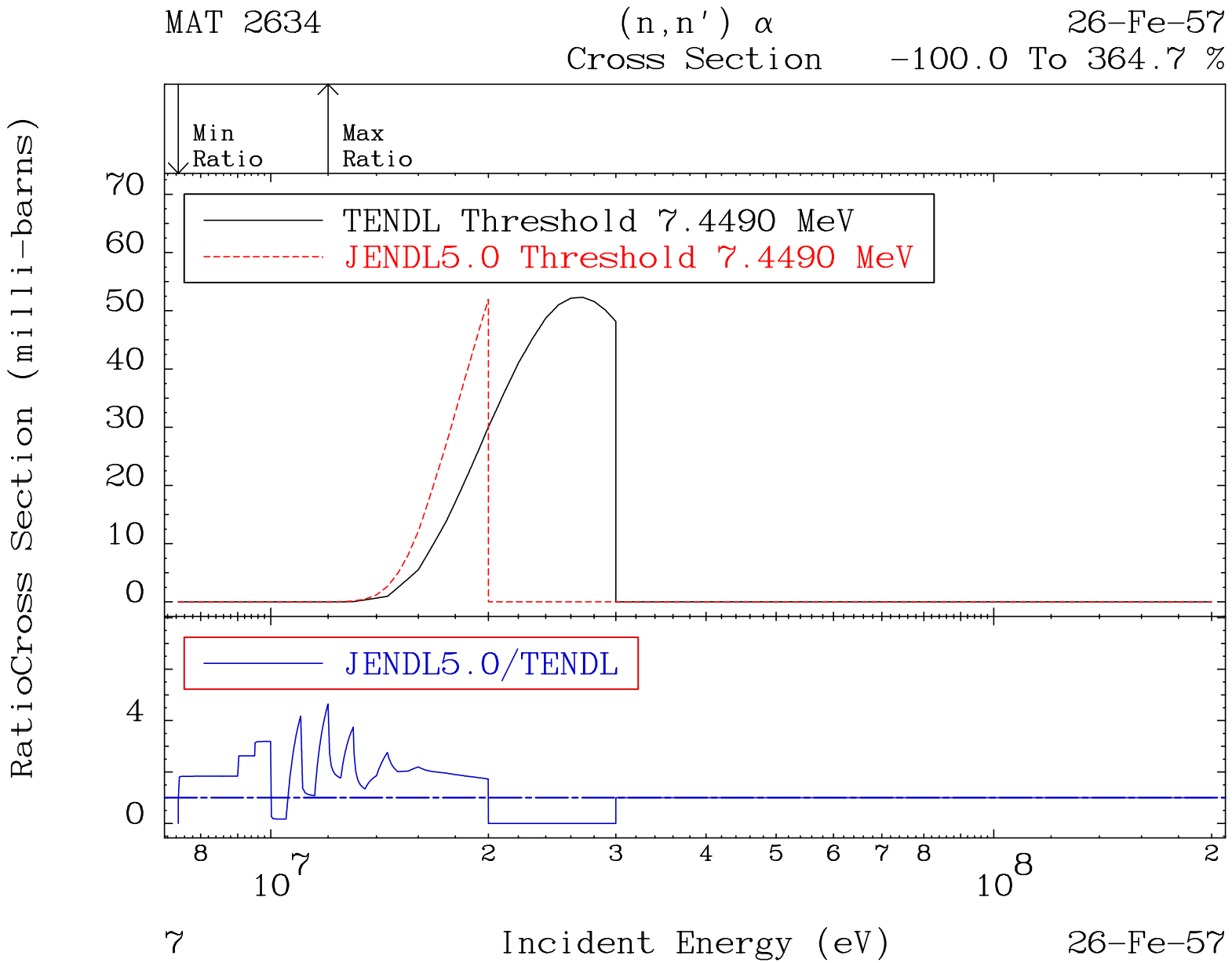

MAT 2634
Elastic
Cross Section
26-Fe-57
-84.07 To 3162. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
26-Fe-57

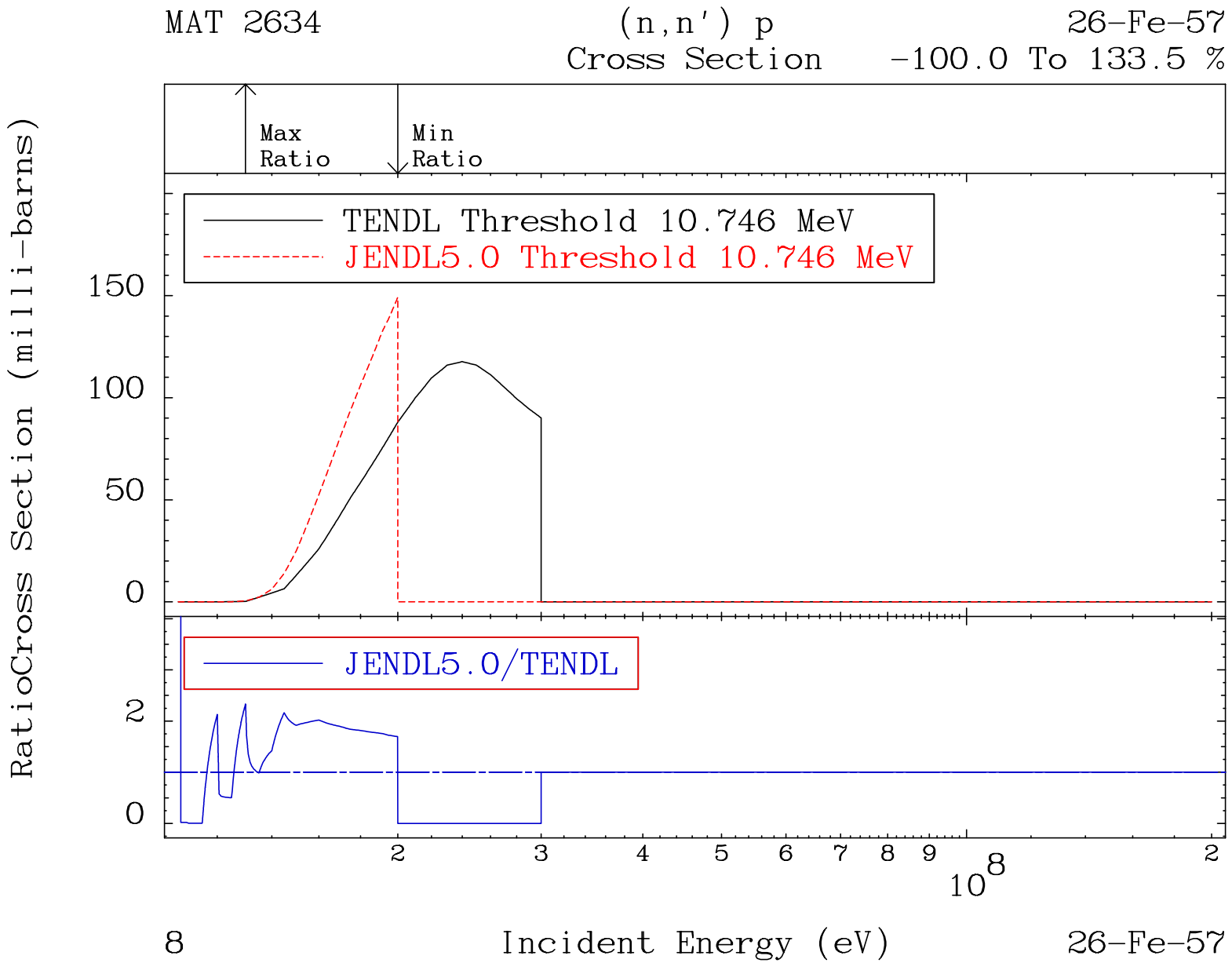

MAT 2634
Inelastic
Cross Section
26-Fe-57
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 190.01 keV
JENDL5.0 Threshold 14.668 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
26-Fe-57

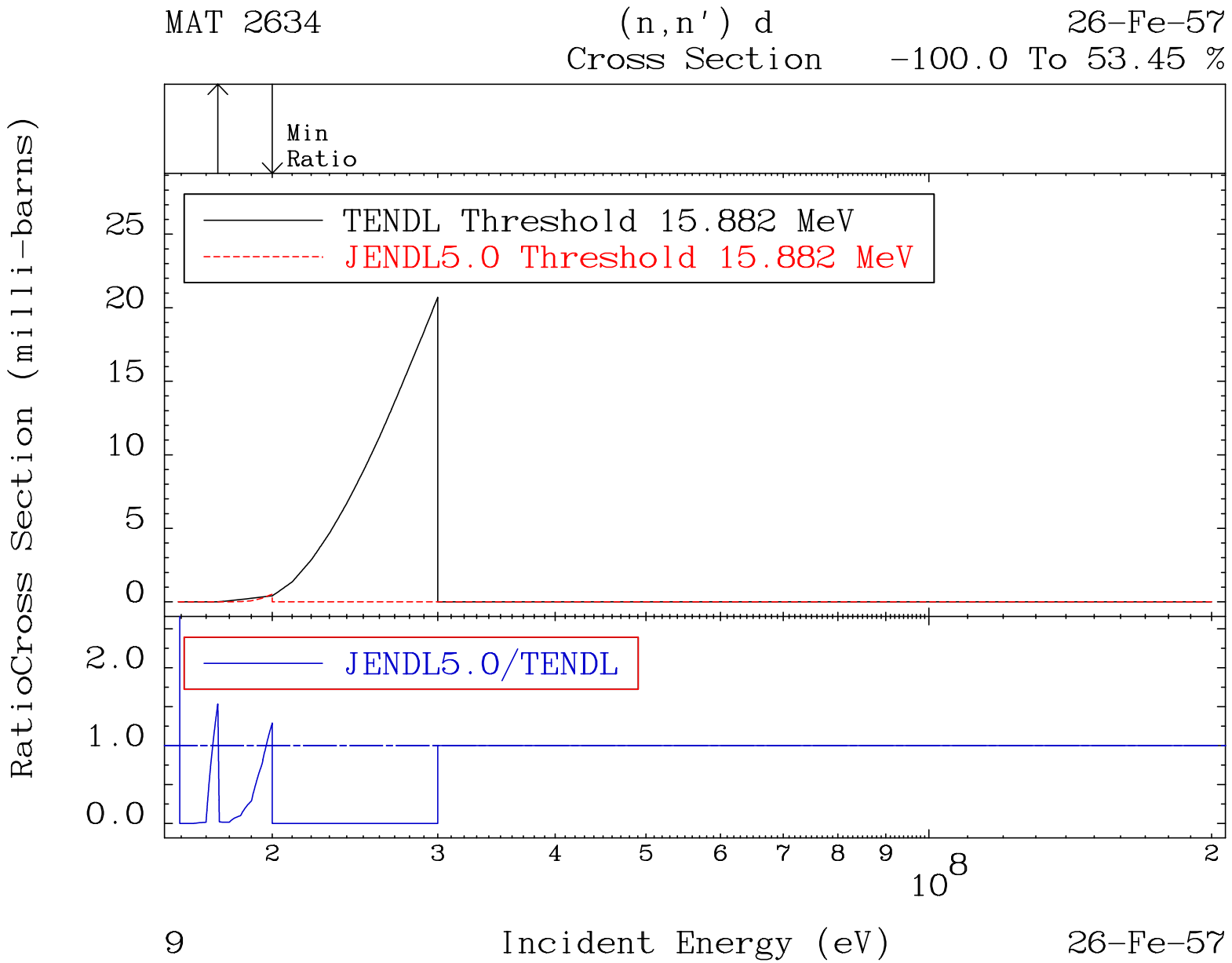

MAT 2634
(n,remainder)
Cross Section
26-Fe-57
-4.065 To 0.810 %
Max
Ratio
Min
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
1.00
0.96
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
26-Fe-57

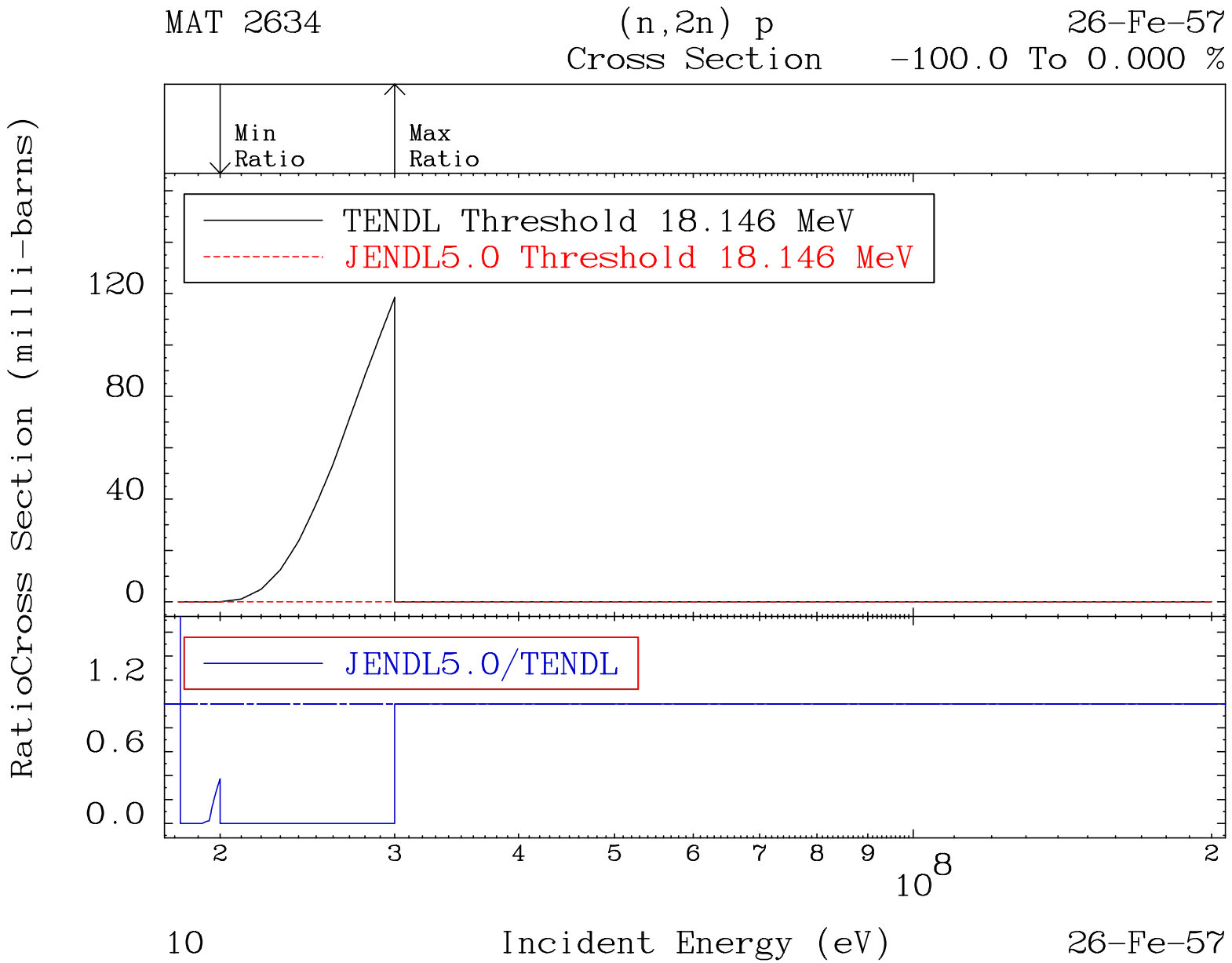

MAT 2634
(n,2n)
Cross Section
26-Fe-57
-100.0 To 3.324 %
Max Ratio
Min Ratio
TENDL Threshold 7.7816 MeV
JENDL5.0 Threshold 7.7816 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
5
Incident Energy (eV)
26-Fe-57

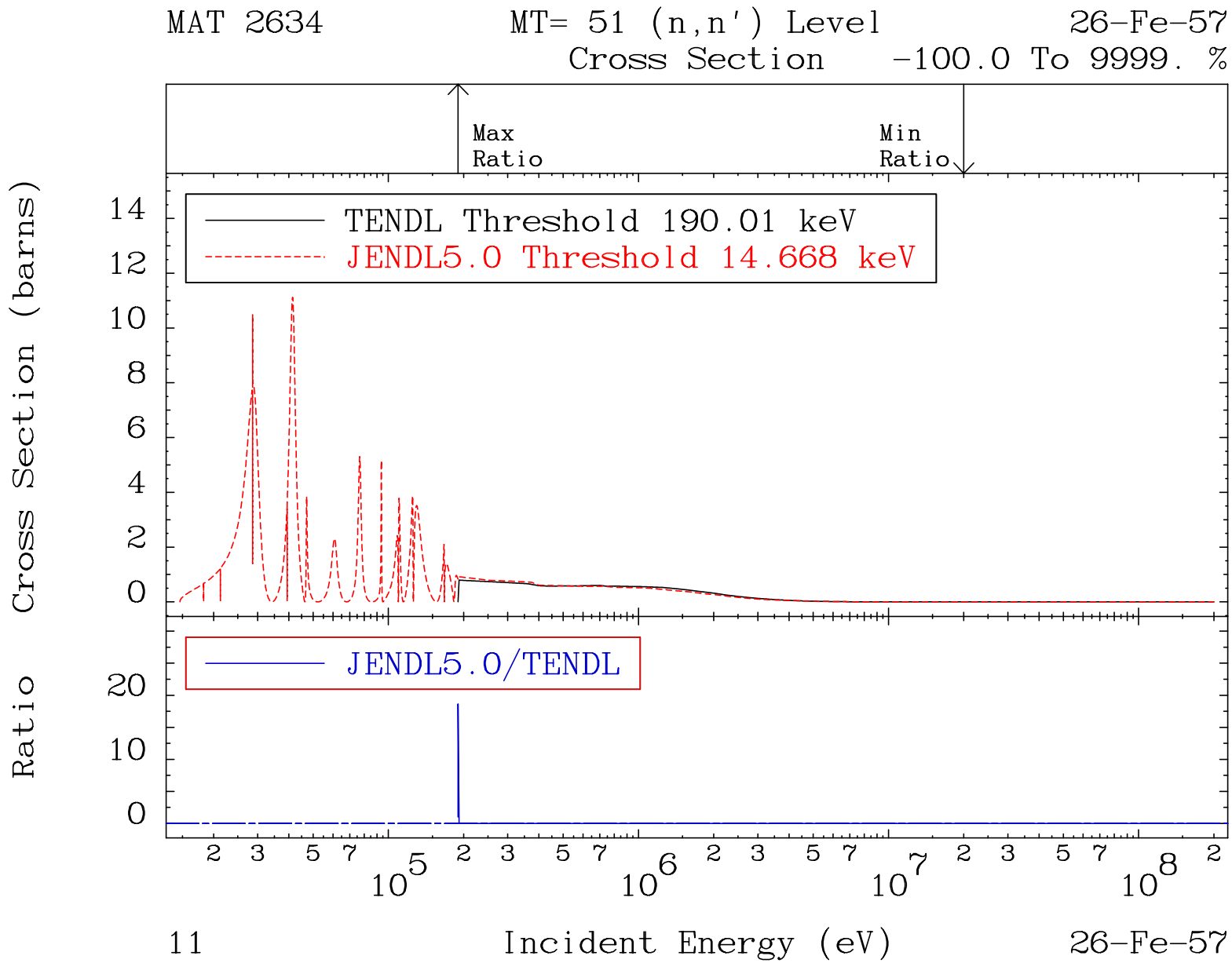

MAT 2634
(n,3n)
Cross Section
26-Fe-57
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 19.177 MeV
JENDL5.0 Threshold 19.177 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
6
Incident Energy (eV)
26-Fe-57

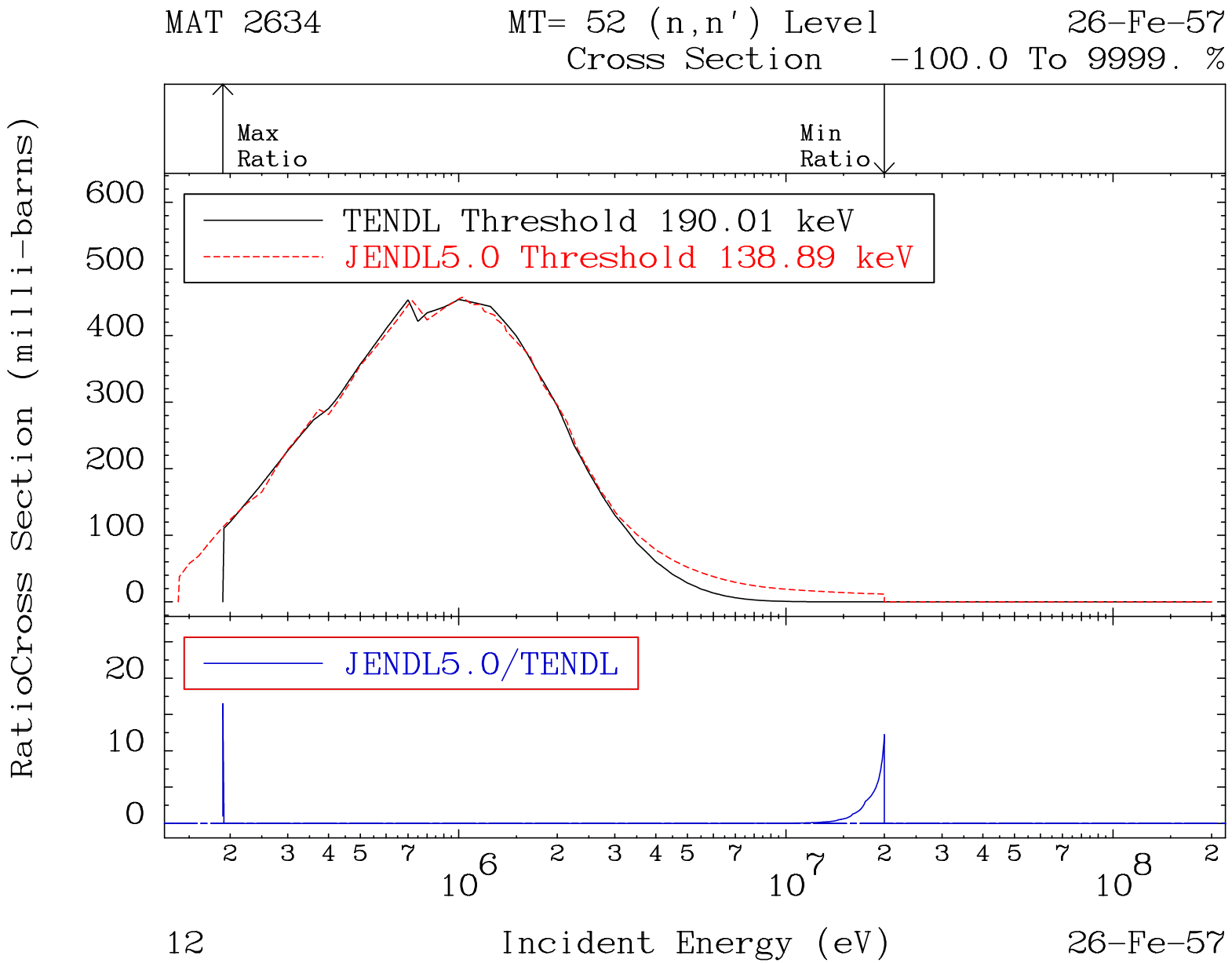

MAT 2634
(n,n') α
Cross Section
26-Fe-57
-100.0 To 364.7 %
Min Ratio
Max Ratio
TENDL Threshold 7.4490 MeV
JENDL5.0 Threshold 7.4490 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26-Fe-57
7

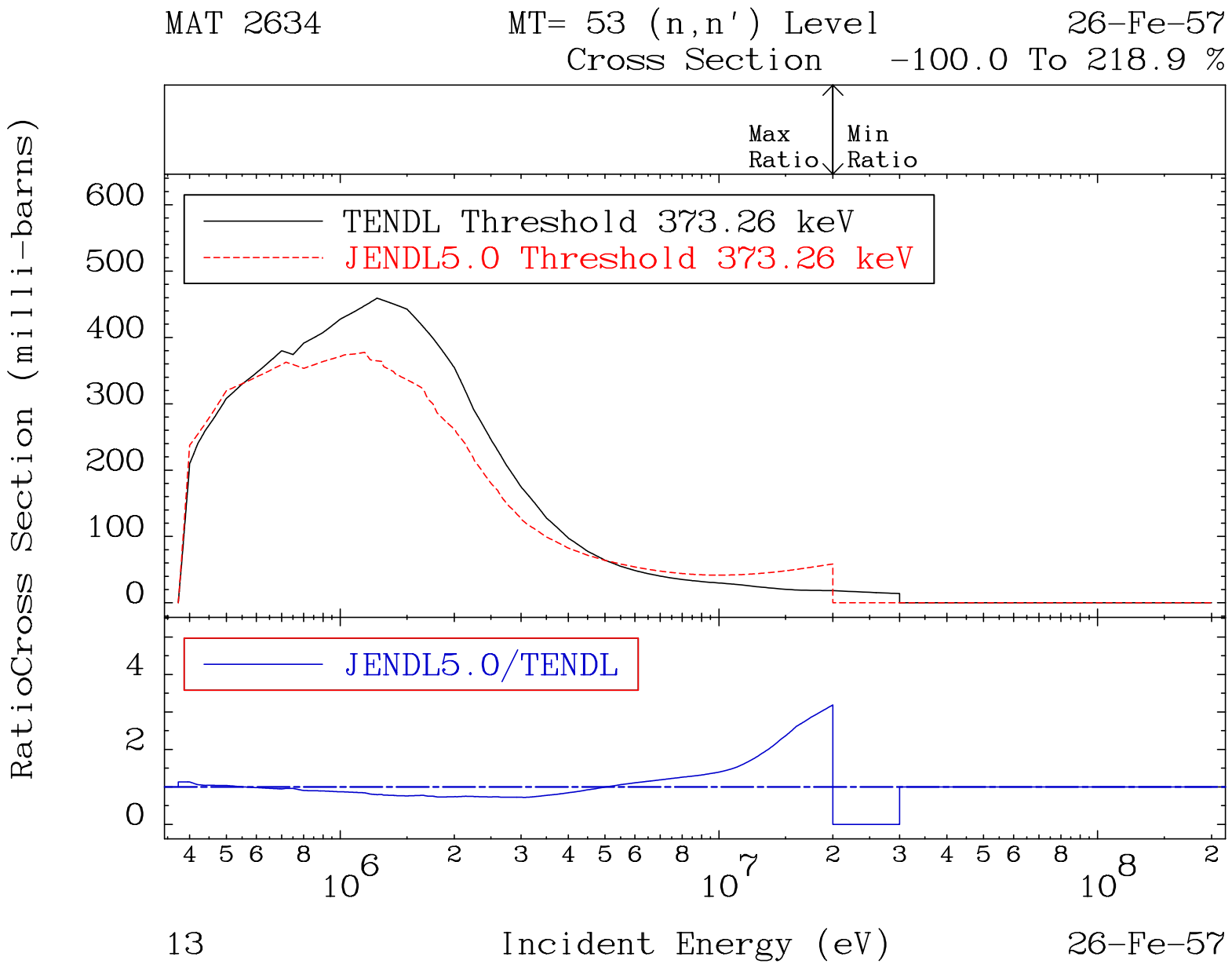

MAT 2634
(n,n') p
Cross Section
26-Fe-57
-100.0 To 133.5 %
Max Ratio
Min Ratio
TENDL Threshold 10.746 MeV
JENDL5.0 Threshold 10.746 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
2
0
2
3
4
5
6
7
8
9
2
10^8
8
Incident Energy (eV)
26-Fe-57

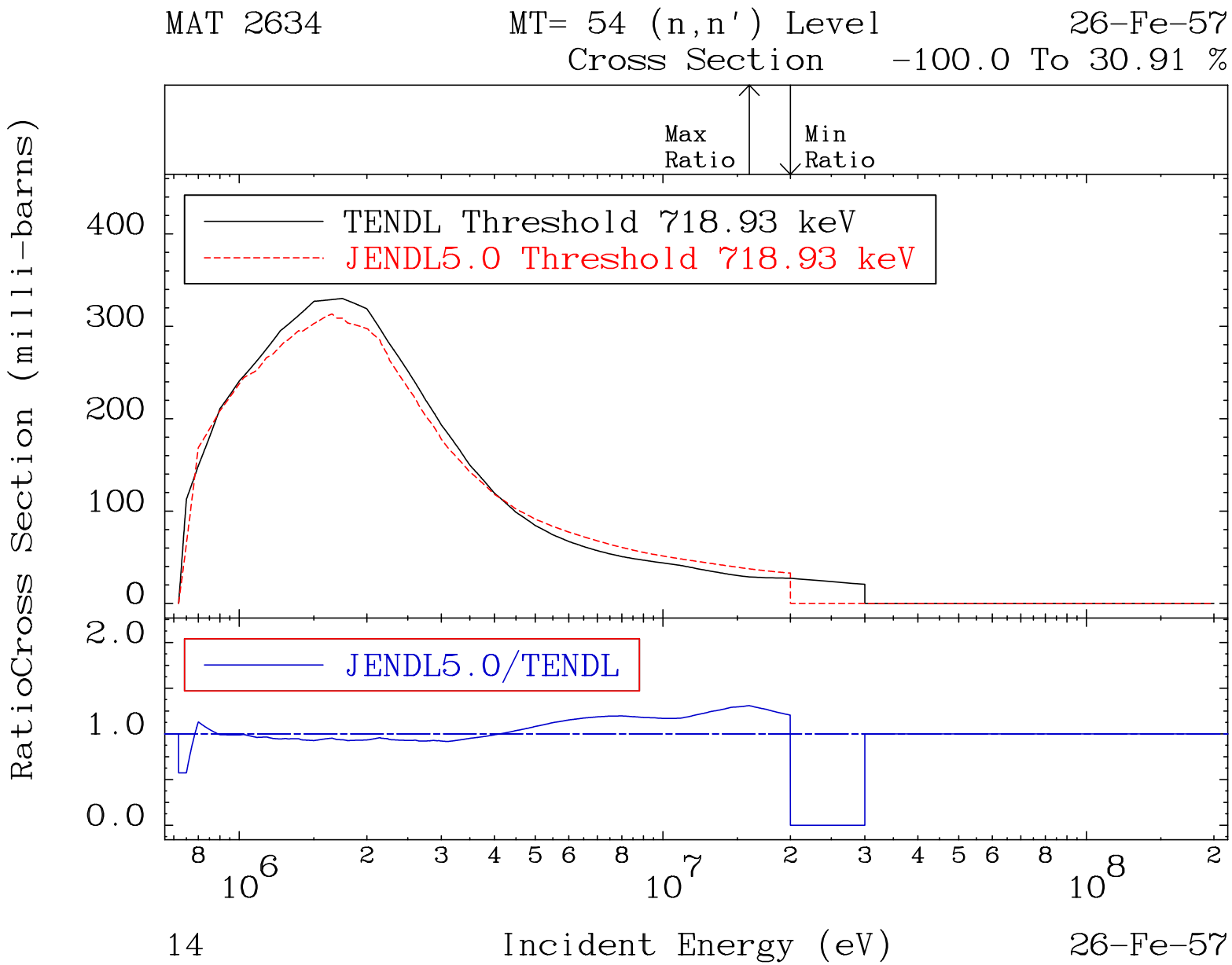

MAT 2634
(n,n') d
Cross Section
26-Fe-57
-100.0 To 53.45 %
Min
Ratio
TENDL Threshold 15.882 MeV
JENDL5.0 Threshold 15.882 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
26-Fe-57

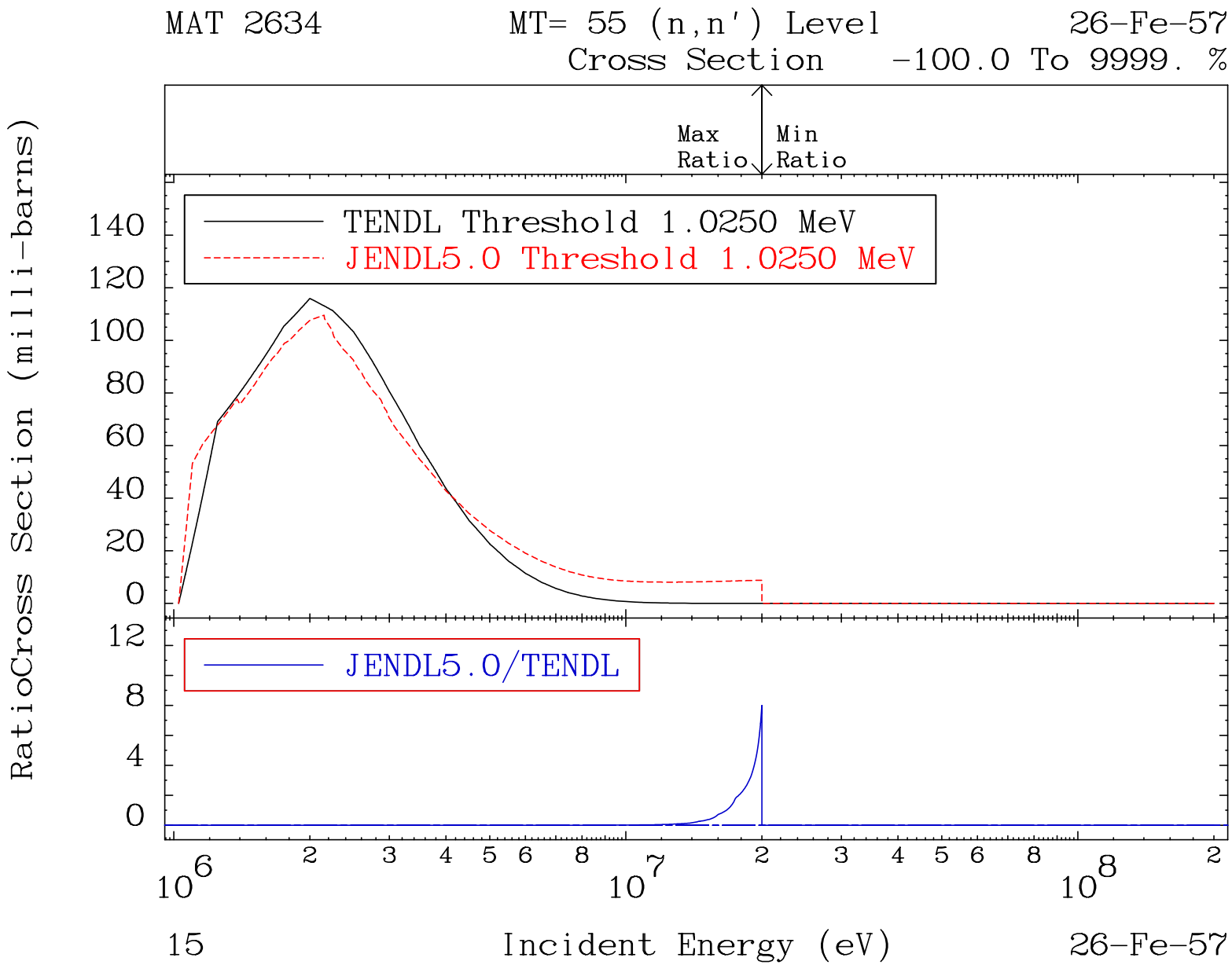

MAT 2634
(n,2n) p
Cross Section
26-Fe-57
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.146 MeV
JENDL5.0 Threshold 18.146 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
10
Incident Energy (eV)
26-Fe-57

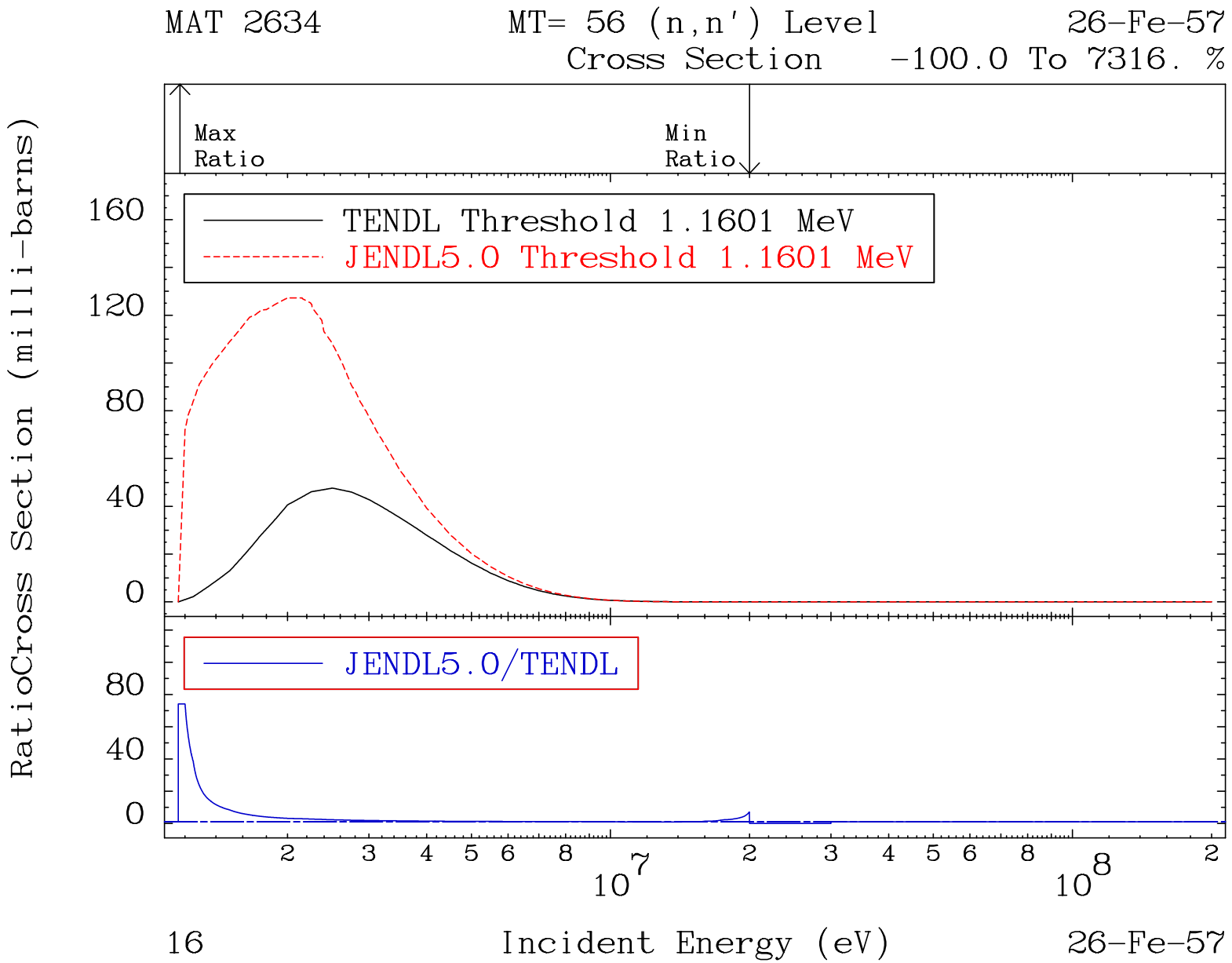

MAT 2634
MT= 51 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 190.01 keV
JENDL5.0 Threshold 14.668 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
11
26-Fe-57

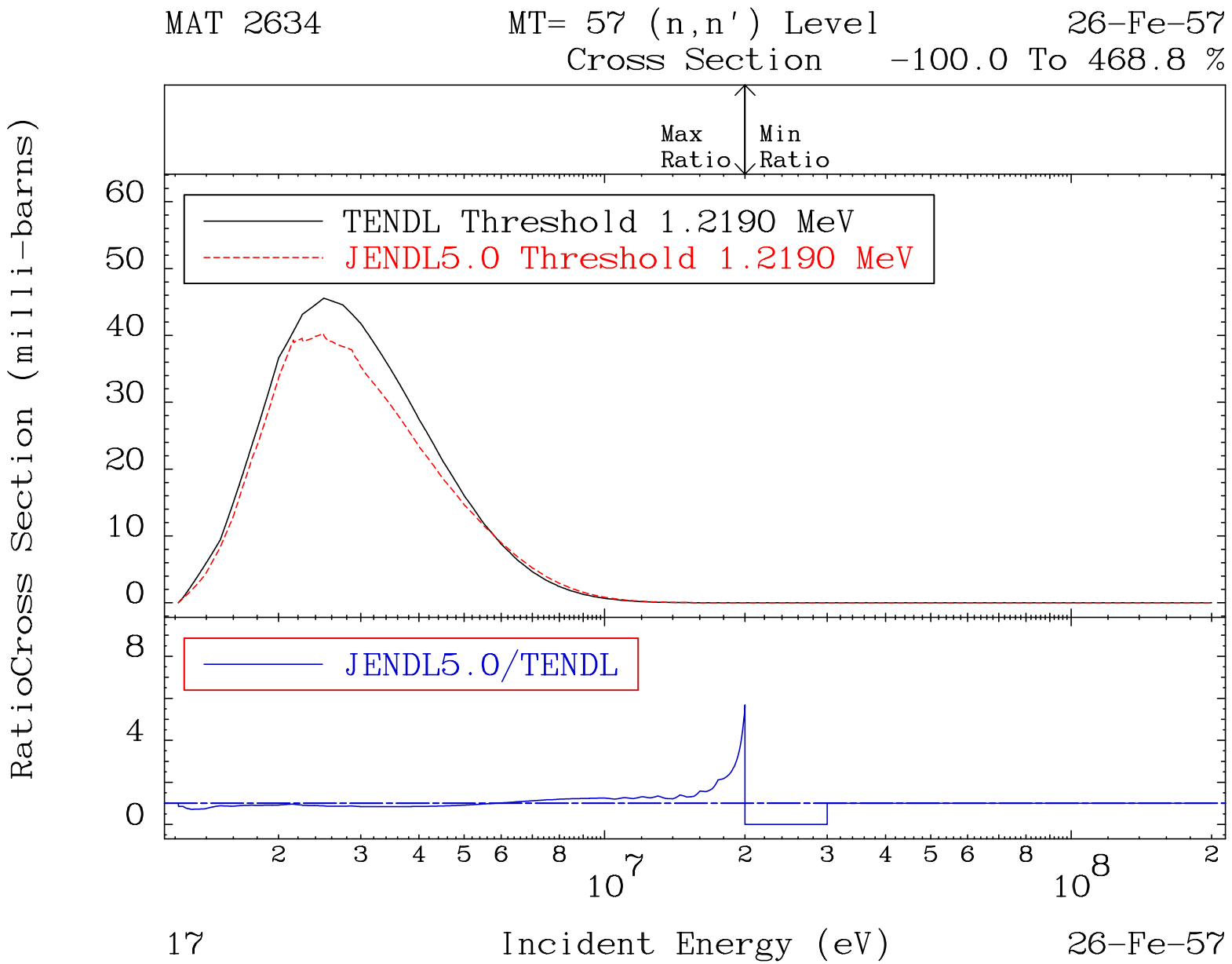

MAT 2634
MT= 52 (n,n') Level
Cross Section
26-Fe-57
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 190.01 keV
JENDL5.0 Threshold 138.89 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
20
10
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
12
Incident Energy (eV)
26-Fe-57

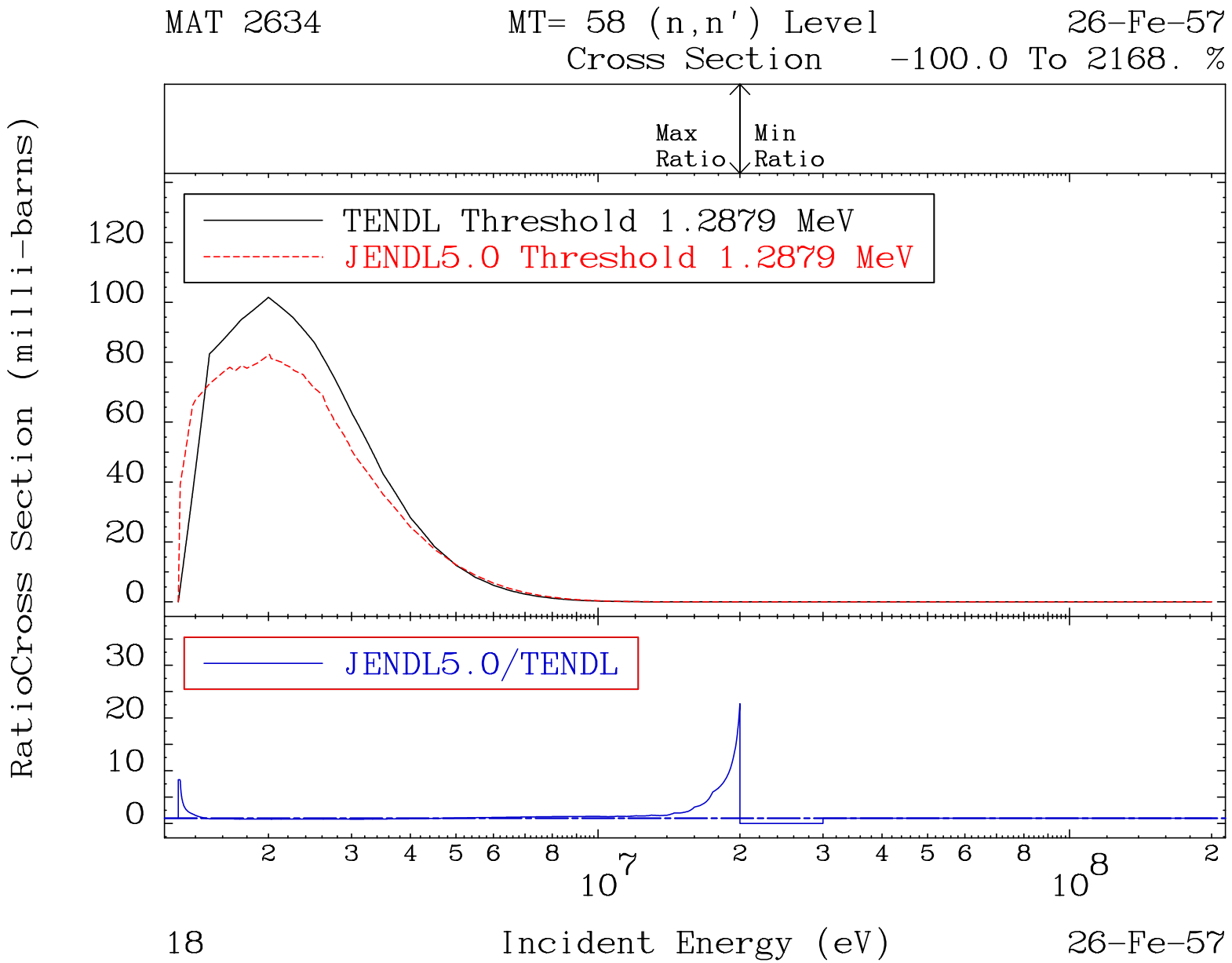

MAT 2634
MT= 53 (n,n') Level
26-Fe-57
Cross Section
-100.0 To 218.9 %
Max Ratio
Min Ratio
TENDL Threshold 373.26 keV
JENDL5.0 Threshold 373.26 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
4
2
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
26-Fe-57

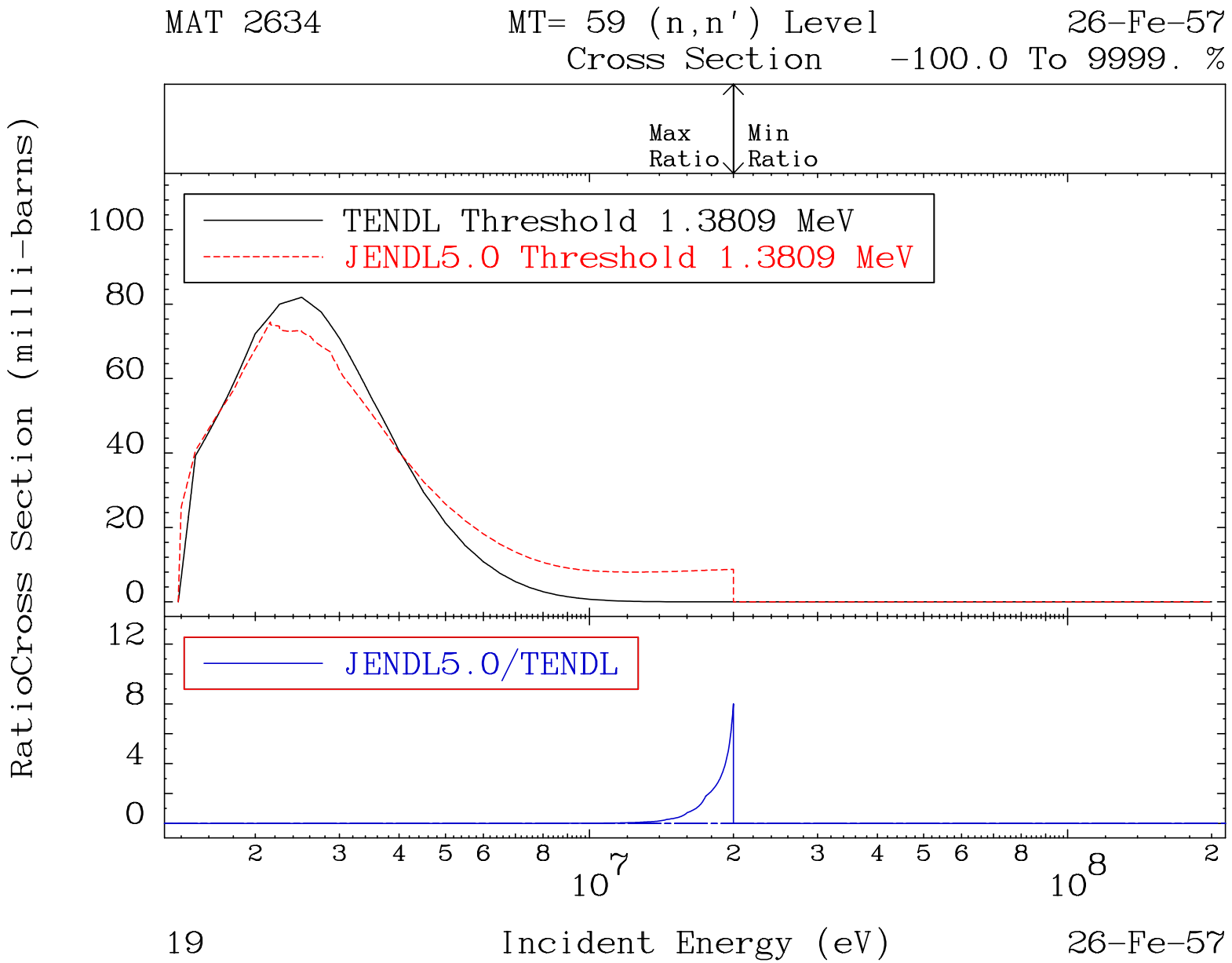

MAT 2634
MT= 54 (n,n') Level
26-Fe-57
Cross Section
-100.0 To 30.91 %
Max Ratio
Min Ratio
TENDL Threshold 718.93 keV
JENDL5.0 Threshold 718.93 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
14
Incident Energy (eV)
26-Fe-57

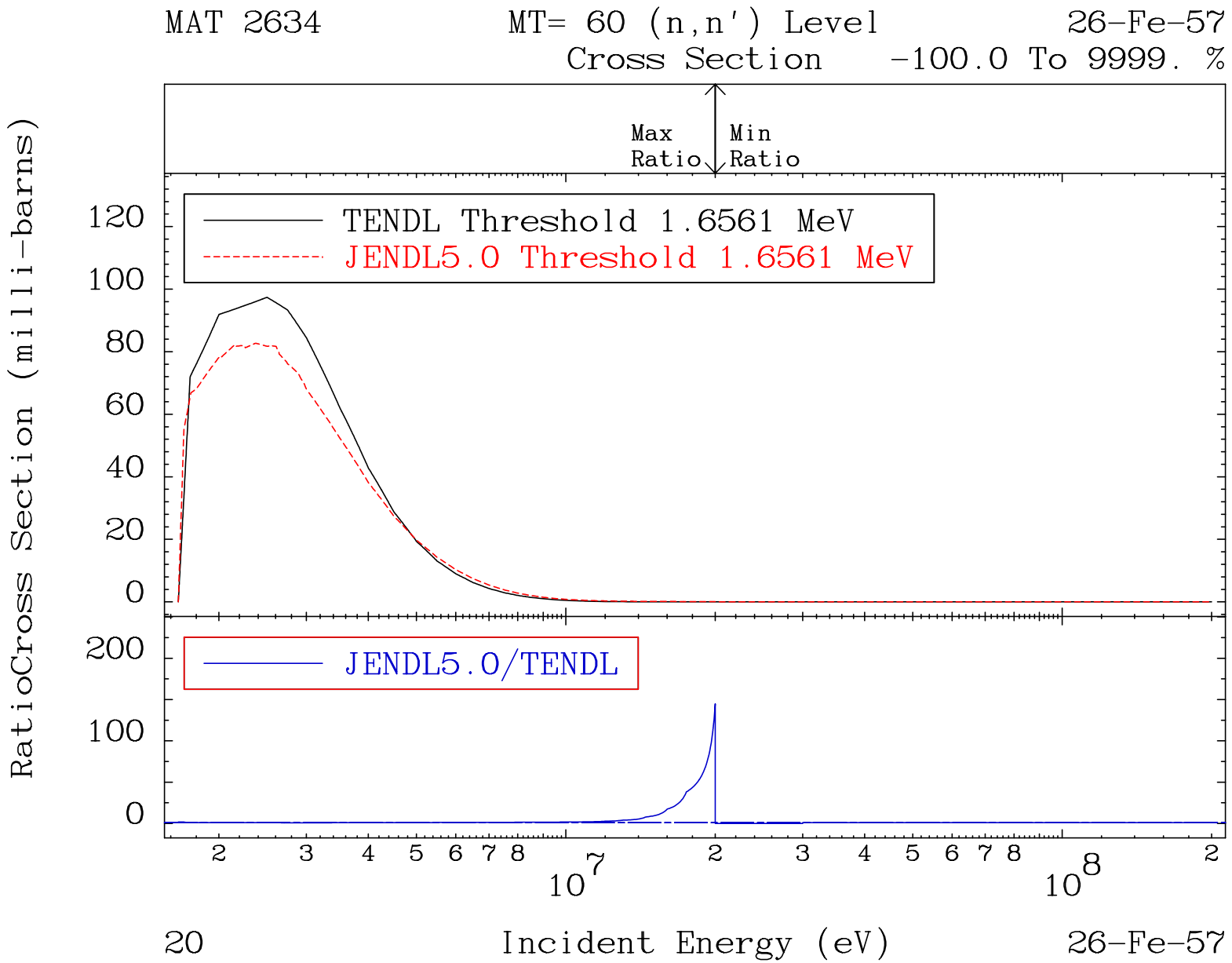

MAT 2634
MT= 55 (n,n') Level
26-Fe-57
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0250 MeV
JENDL5.0 Threshold 1.0250 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
26-Fe-57

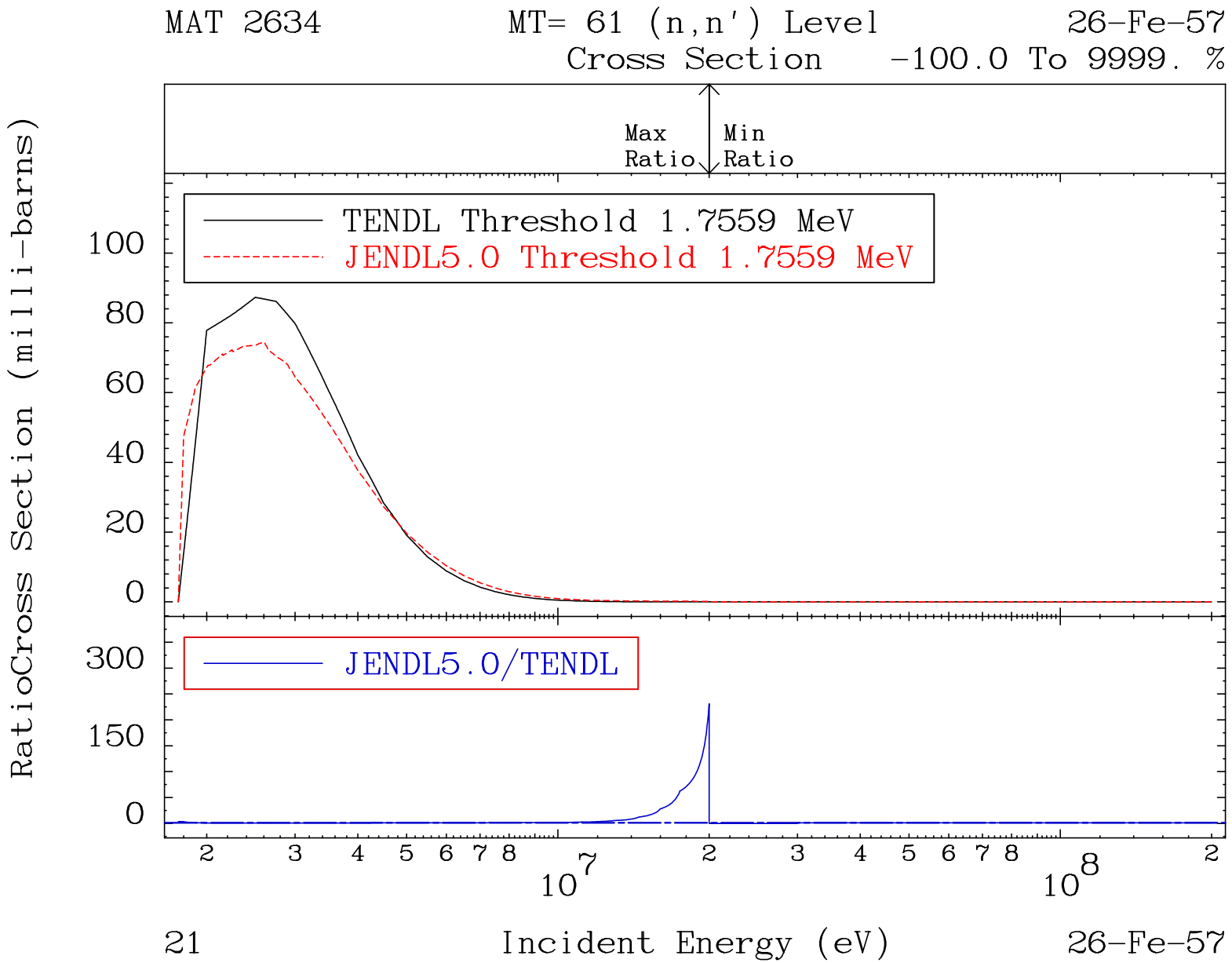

MAT 2634
MT= 56 (n,n') Level
26-Fe-57
Cross Section -100.0 To 7316. %
Max Ratio
Min Ratio
TENDL Threshold 1.1601 MeV
JENDL5.0 Threshold 1.1601 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
26-Fe-57

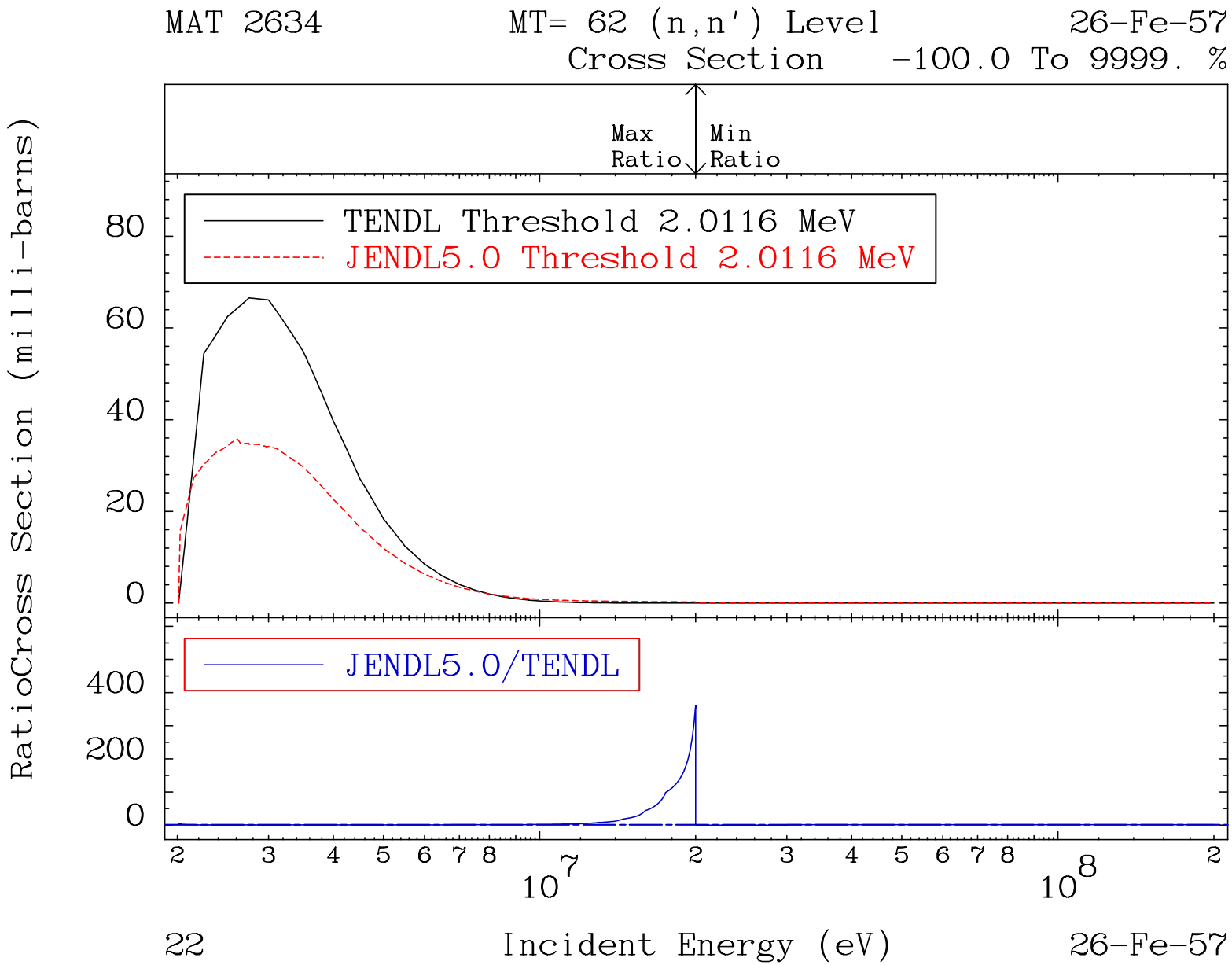

MAT 2634
MT= 57 (n,n') Level
26-Fe-57
Cross Section
-100.0 To 468.8 %
Max Ratio
Min Ratio
TENDL Threshold 1.2190 MeV
JENDL5.0 Threshold 1.2190 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
17
Incident Energy (eV)
26-Fe-57

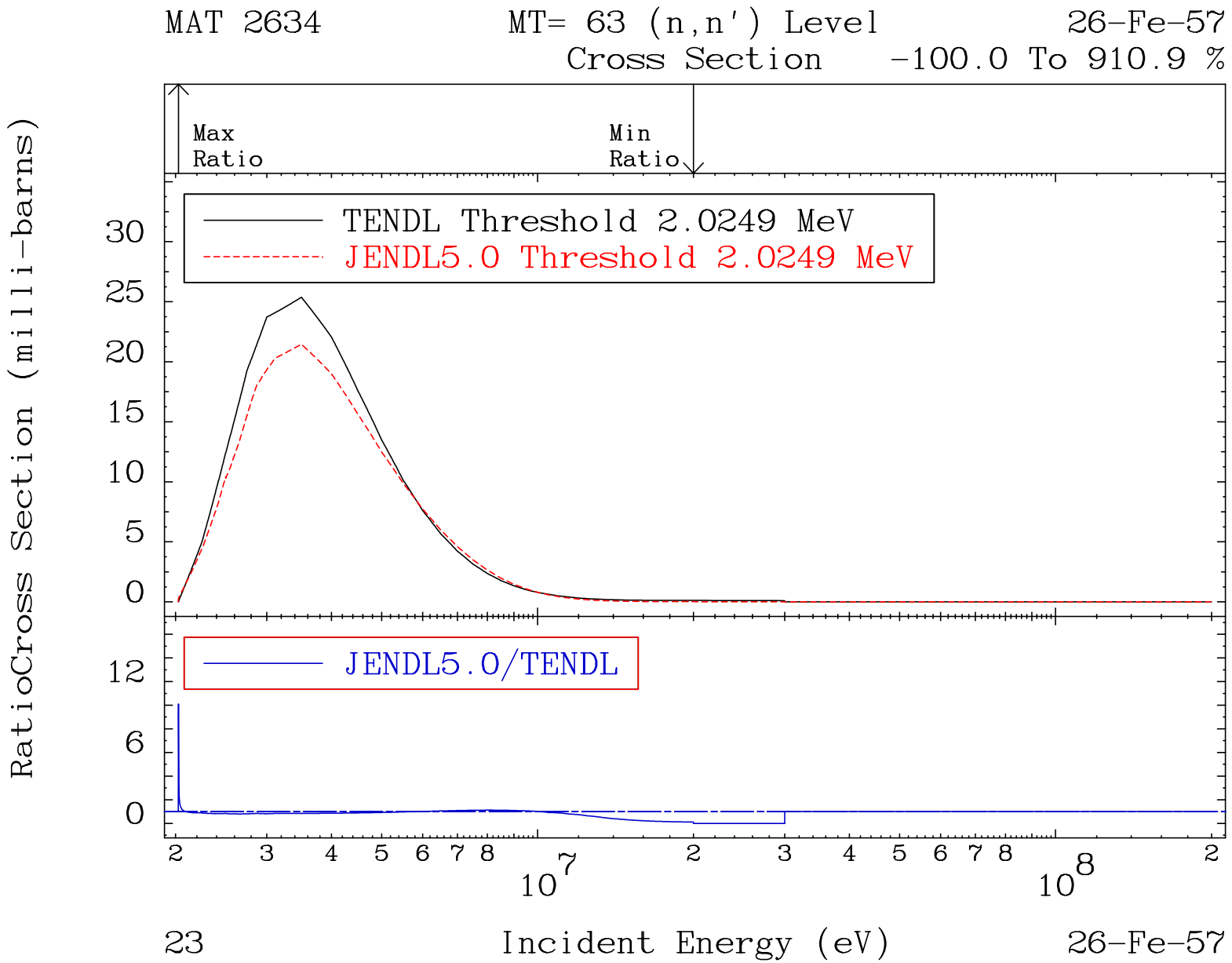

MAT 2634
MT= 58 (n,n') Level
26-Fe-57
Cross Section
-100.0 To 2168. %
Max Ratio
Min Ratio
TENDL Threshold 1.2879 MeV
JENDL5.0 Threshold 1.2879 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
30
20
10
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
18
Incident Energy (eV)
26-Fe-57

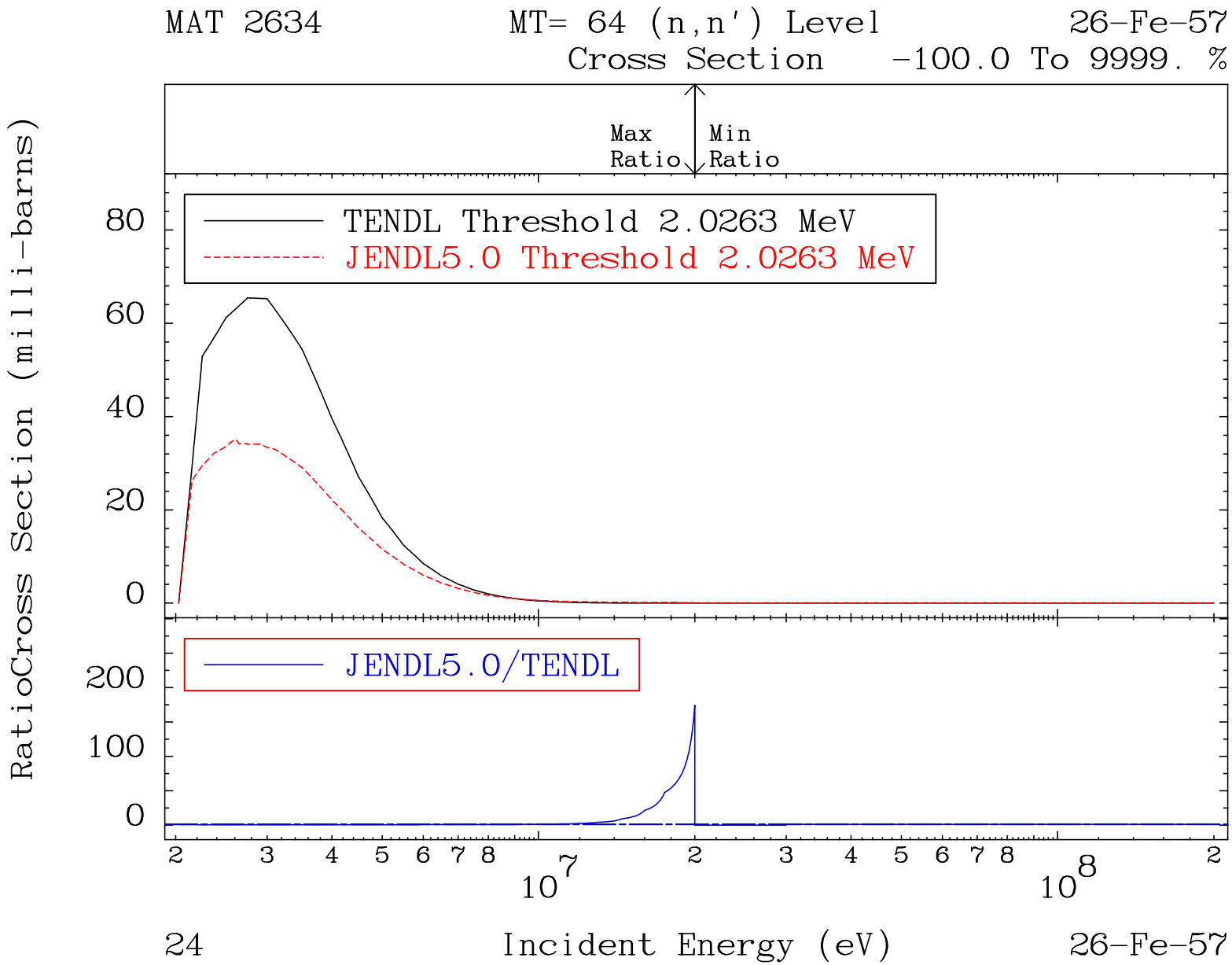

MAT 2634
MT= 59 (n,n') Level
26-Fe-57
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3809 MeV
JENDL5.0 Threshold 1.3809 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
26-Fe-57

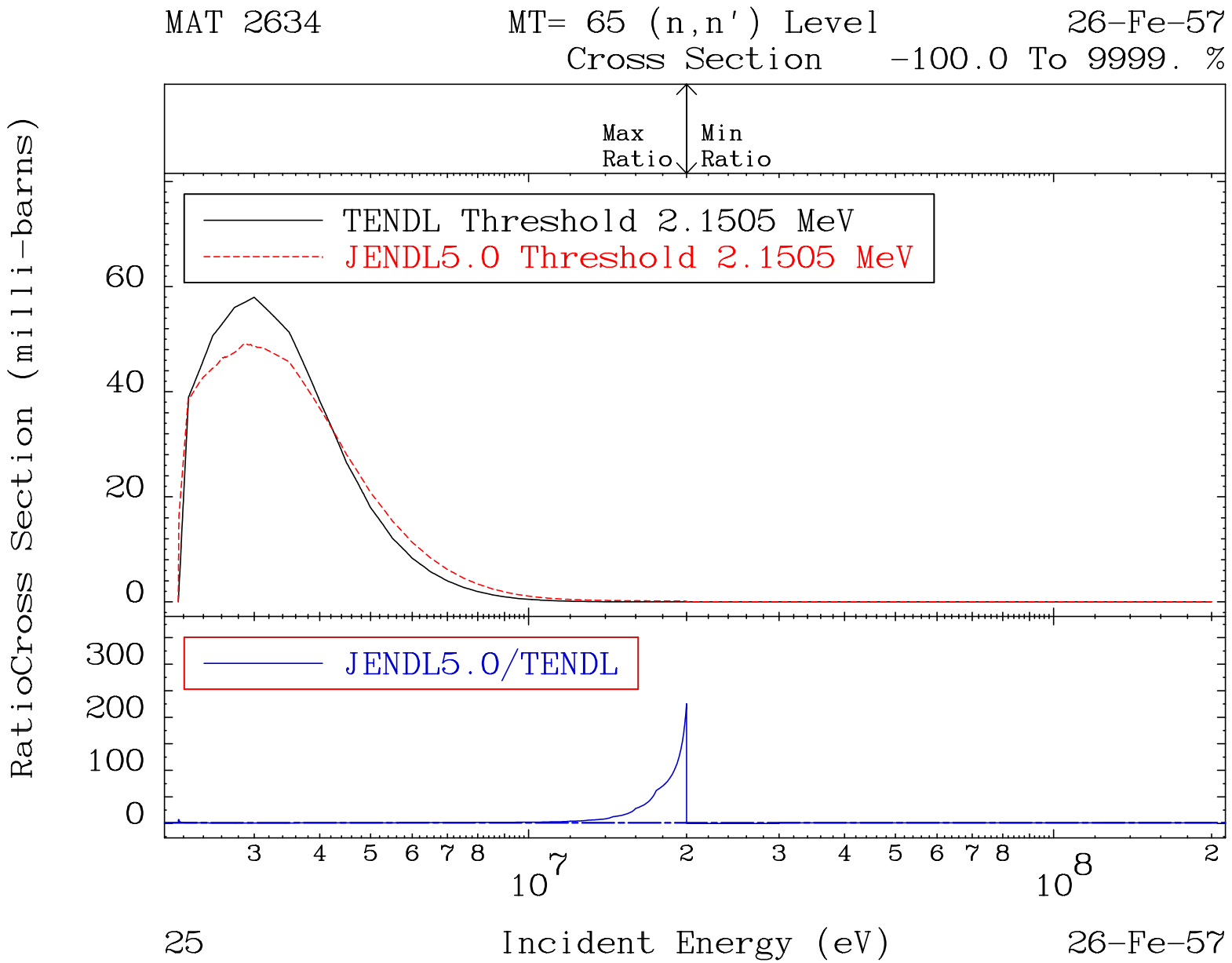

MAT 2634
MT= 60 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.6561 MeV
JENDL5.0 Threshold 1.6561 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
200
100
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
26-Fe-57

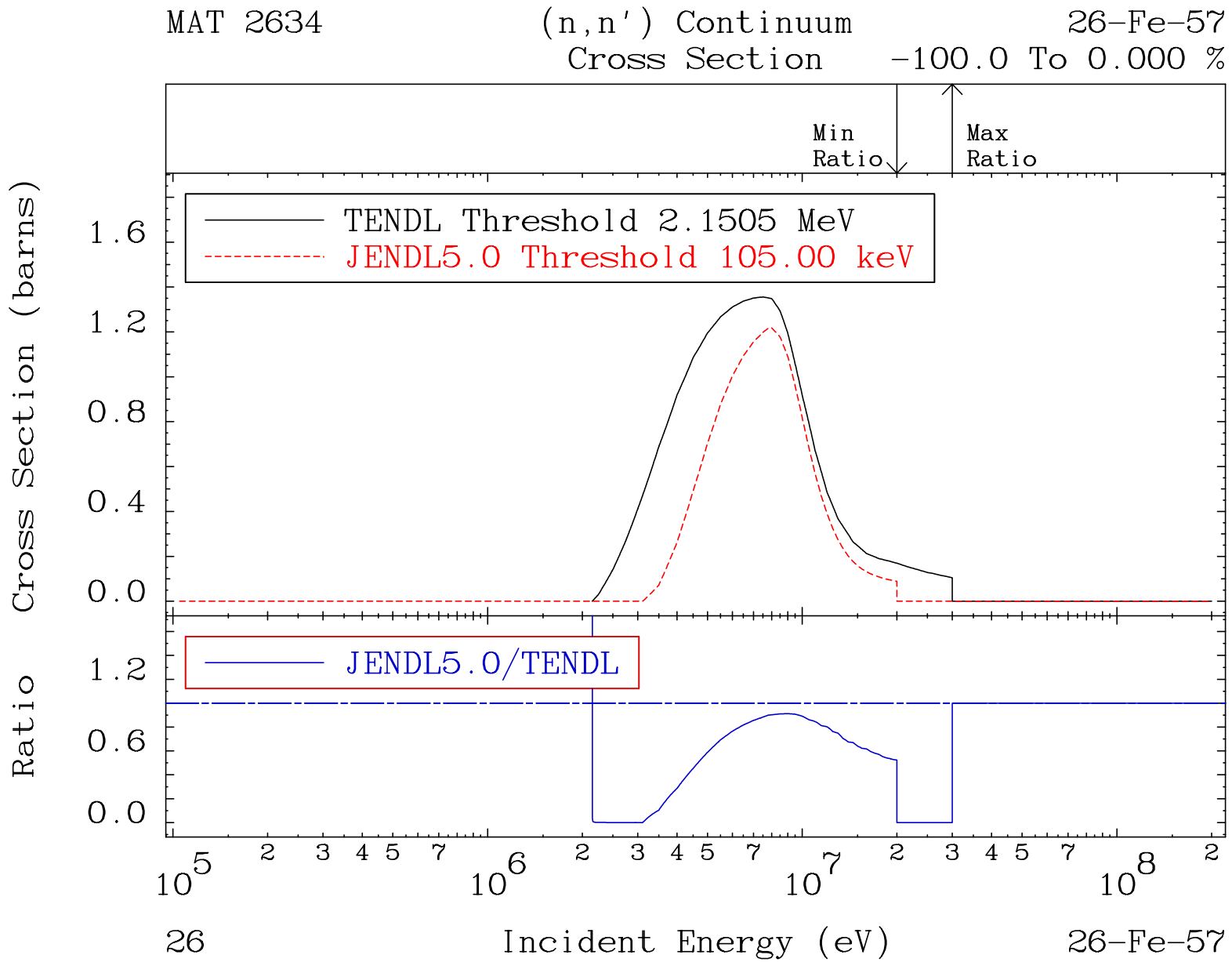

MAT 2634
MT= 61 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.7559 MeV
JENDL5.0 Threshold 1.7559 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
300
150
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
26-Fe-57

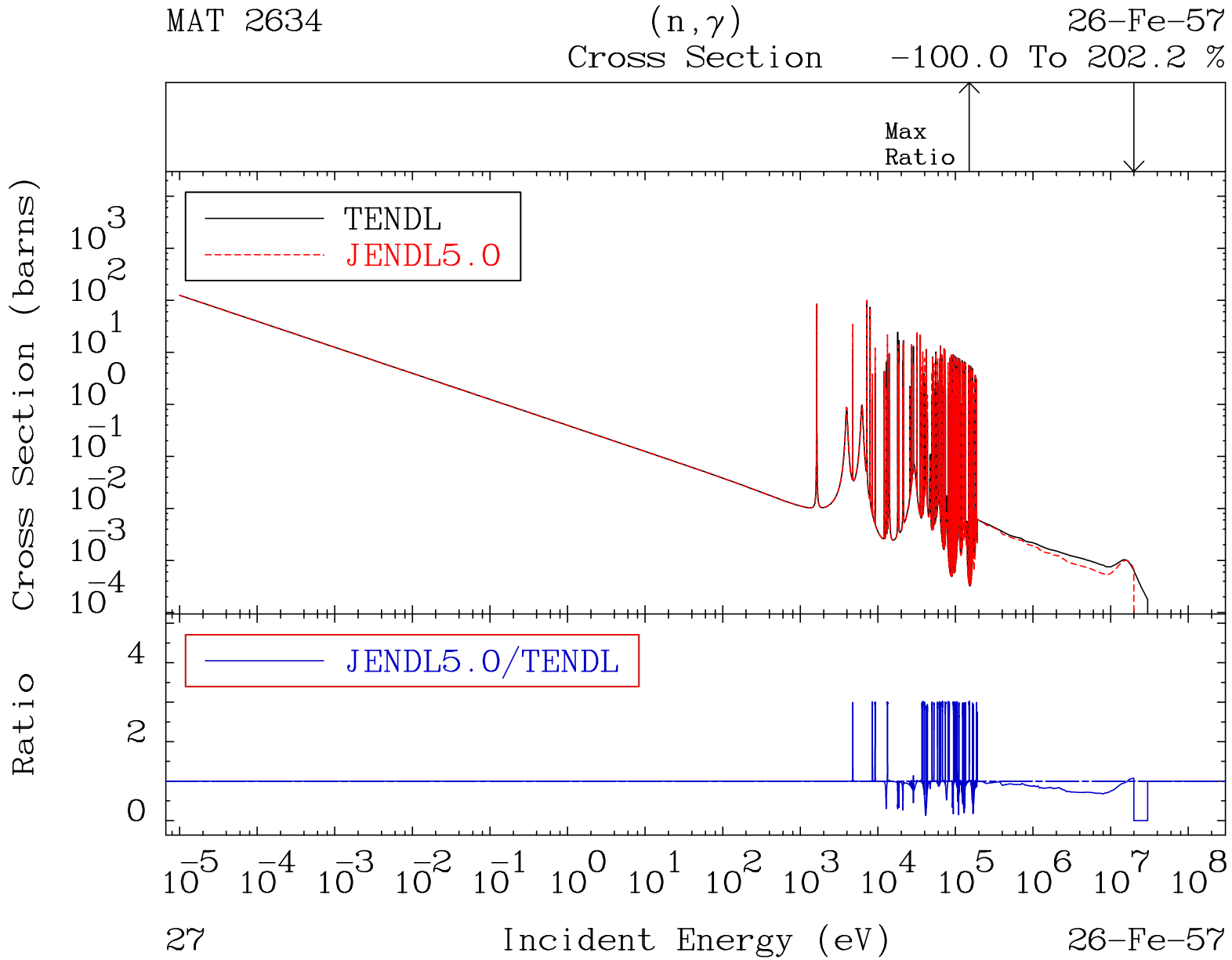

MAT 2634
MT= 62 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0116 MeV
JENDL5.0 Threshold 2.0116 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
200
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
26-Fe-57

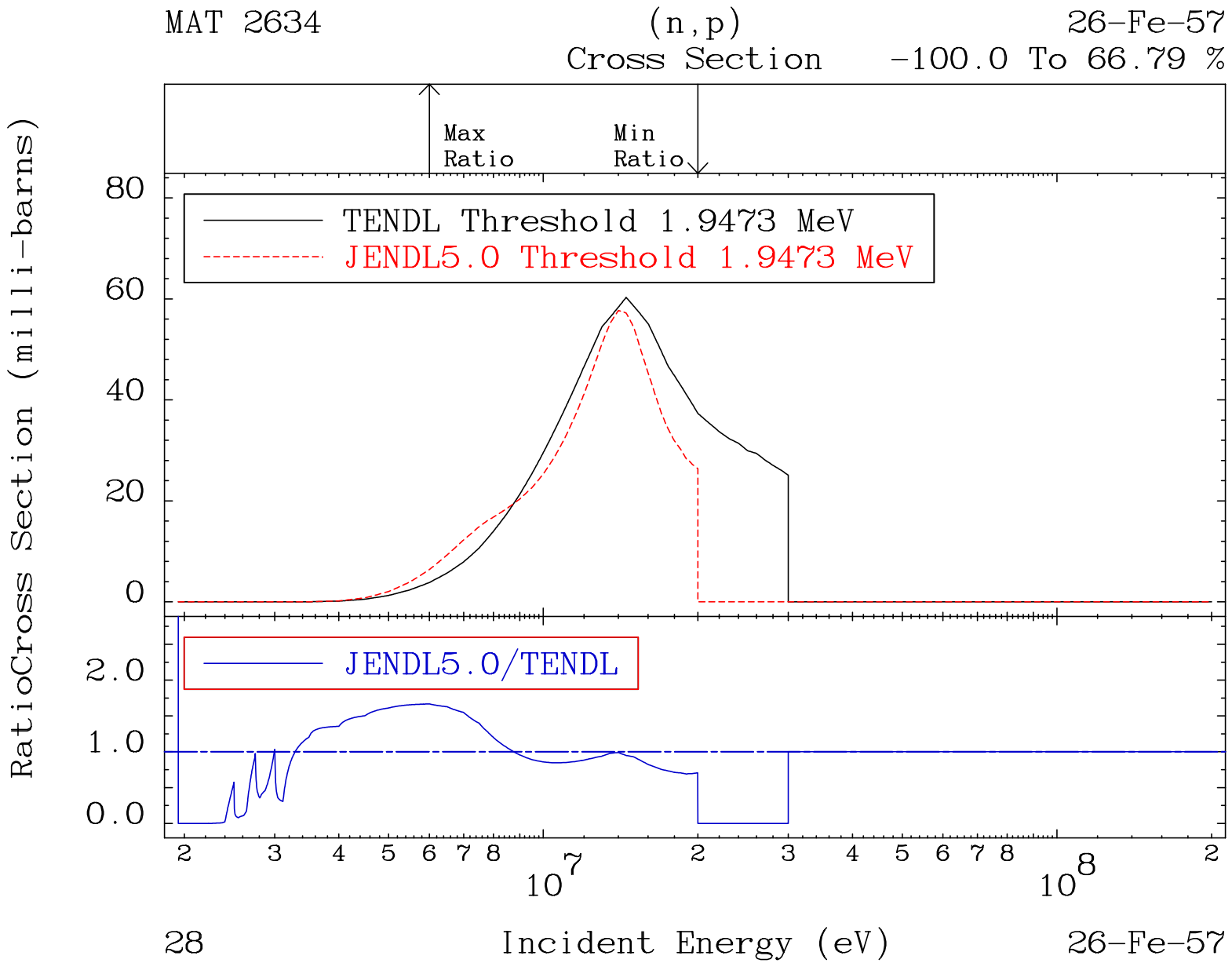

MAT 2634
MT= 63 (n,n') Level
26-Fe-57
Cross Section
-100.0 To 910.9 %
Max Ratio
Min Ratio
TENDL Threshold 2.0249 MeV
JENDL5.0 Threshold 2.0249 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
12
6
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
26-Fe-57

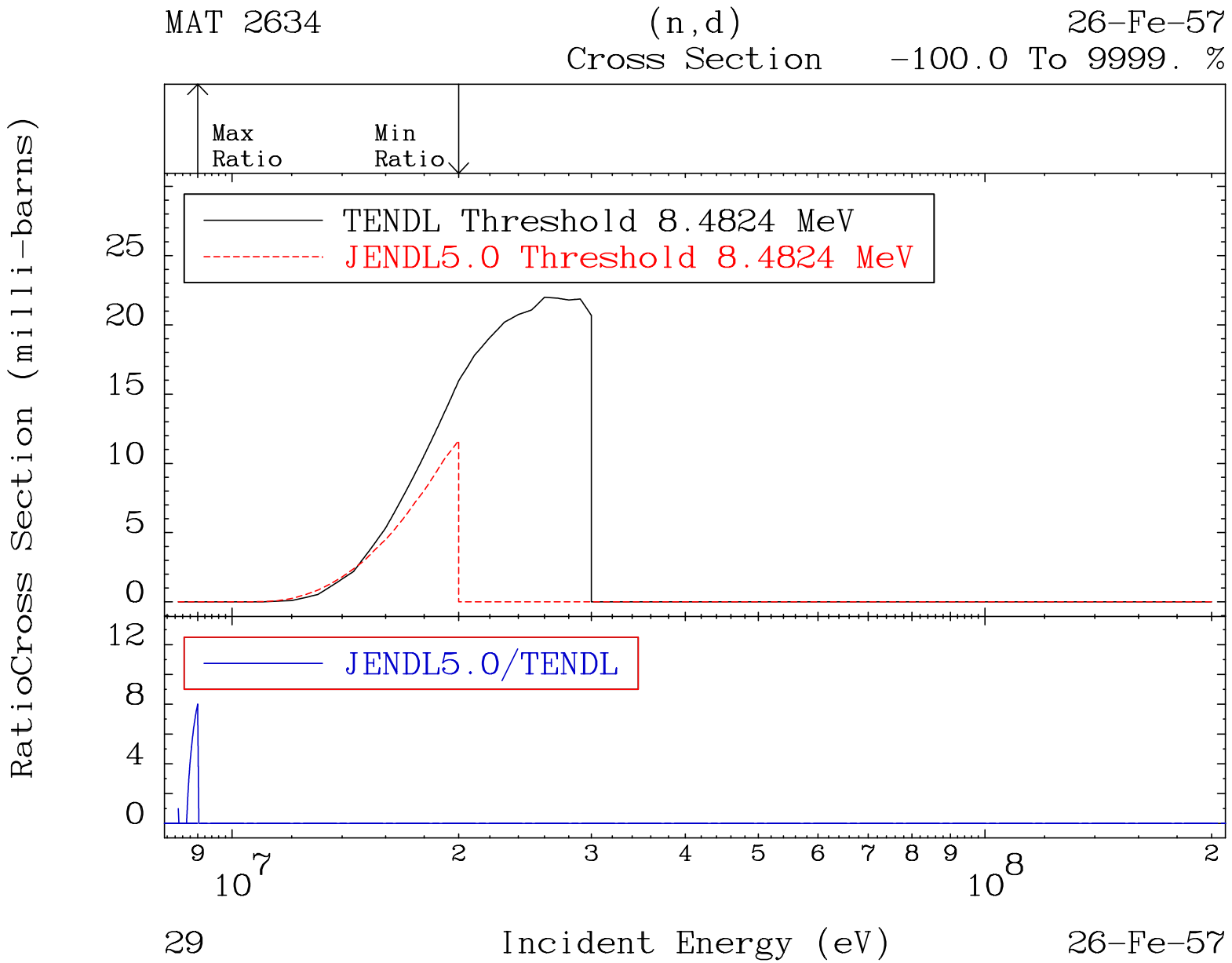

MAT 2634
MT= 64 (n,n') Level
26-Fe-57
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0263 MeV
JENDL5.0 Threshold 2.0263 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
200
100
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
26-Fe-57

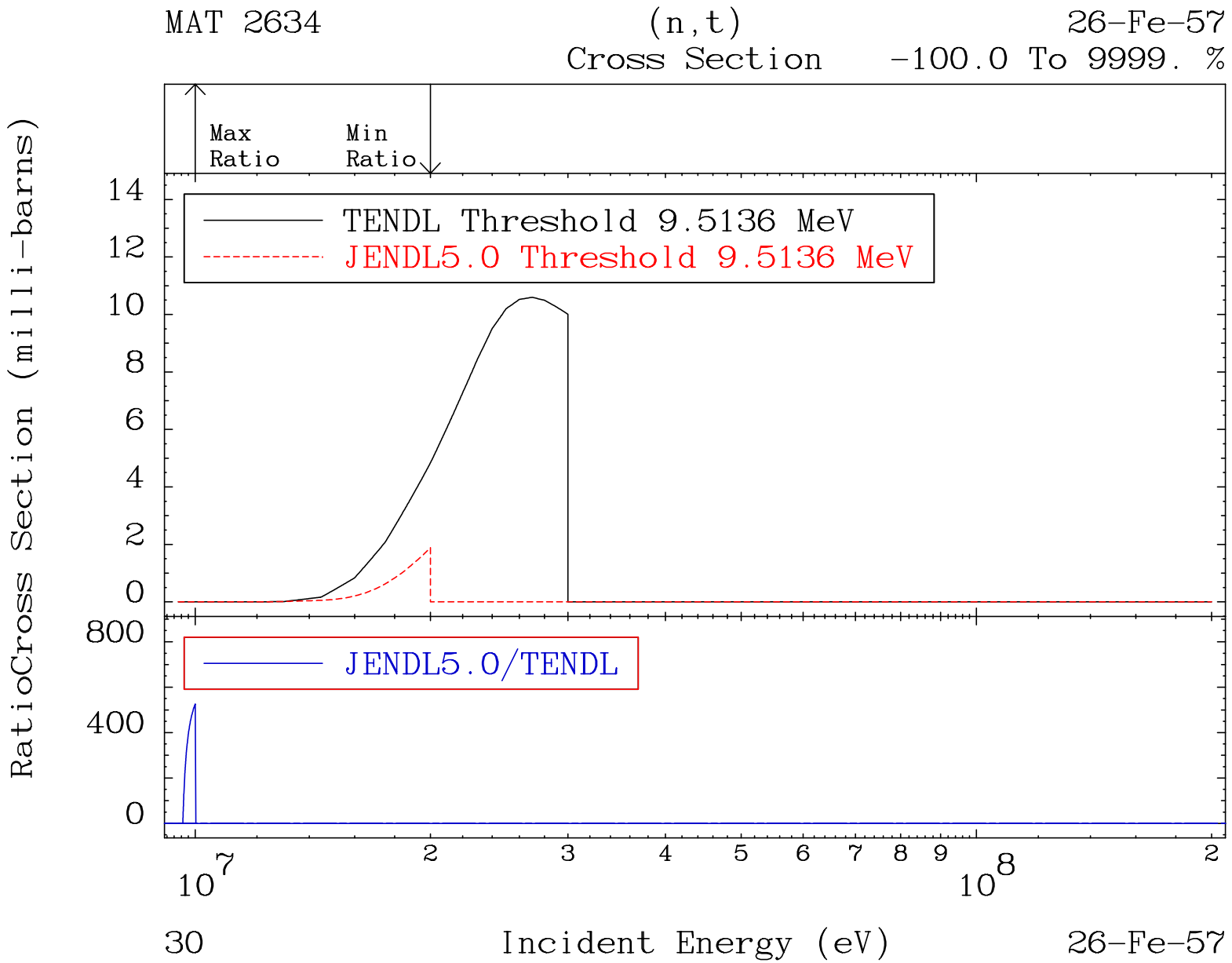

MAT 2634
MT= 65 (n,n') Level
Cross Section
26-Fe-57
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1505 MeV
JENDL5.0 Threshold 2.1505 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
300
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
26-Fe-57

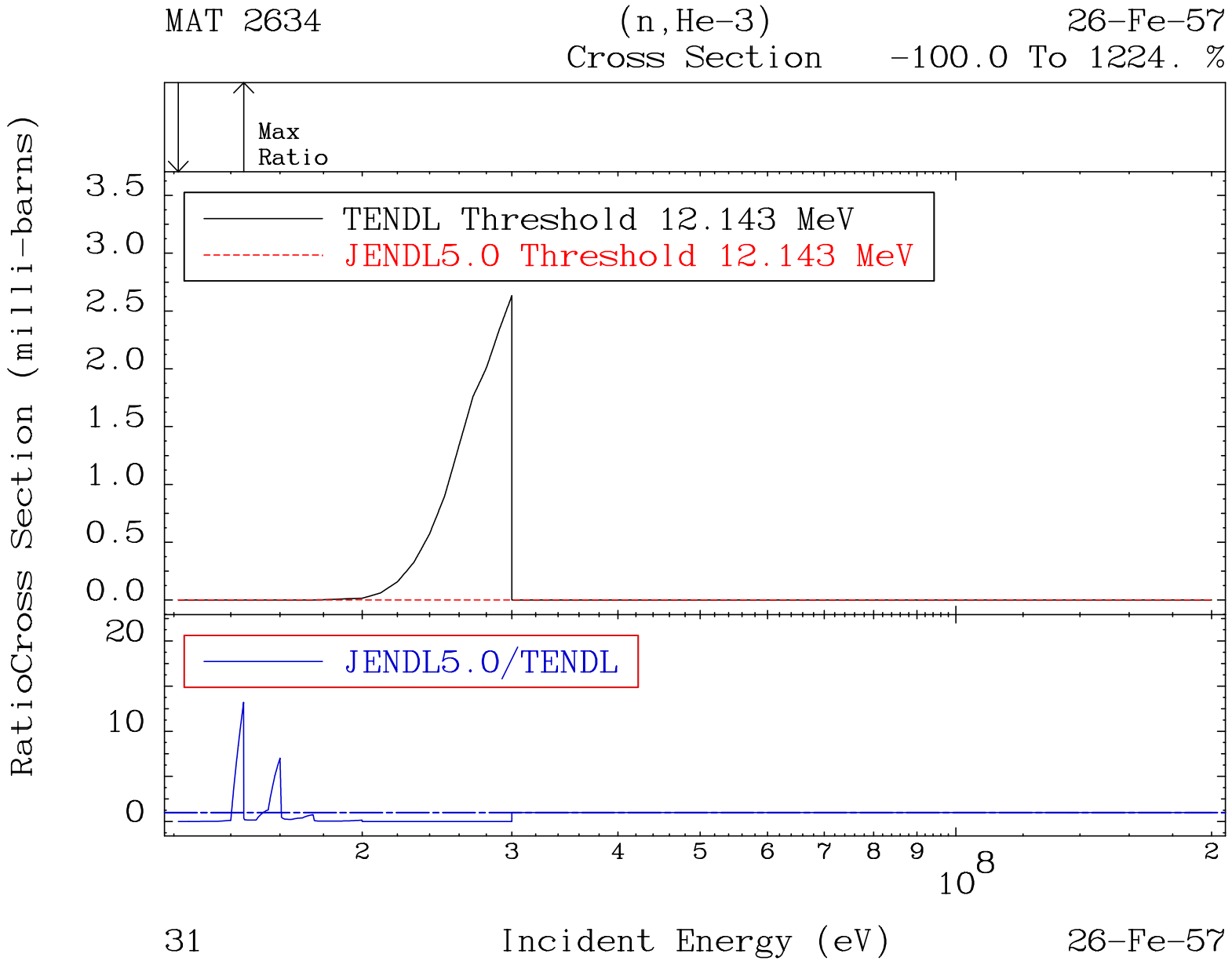

MAT 2634
(n,n') Continuum
Cross Section
26-Fe-57
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.1505 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
10^5
10^6
10^7
10^8
Incident Energy (eV)
26
26-Fe-57

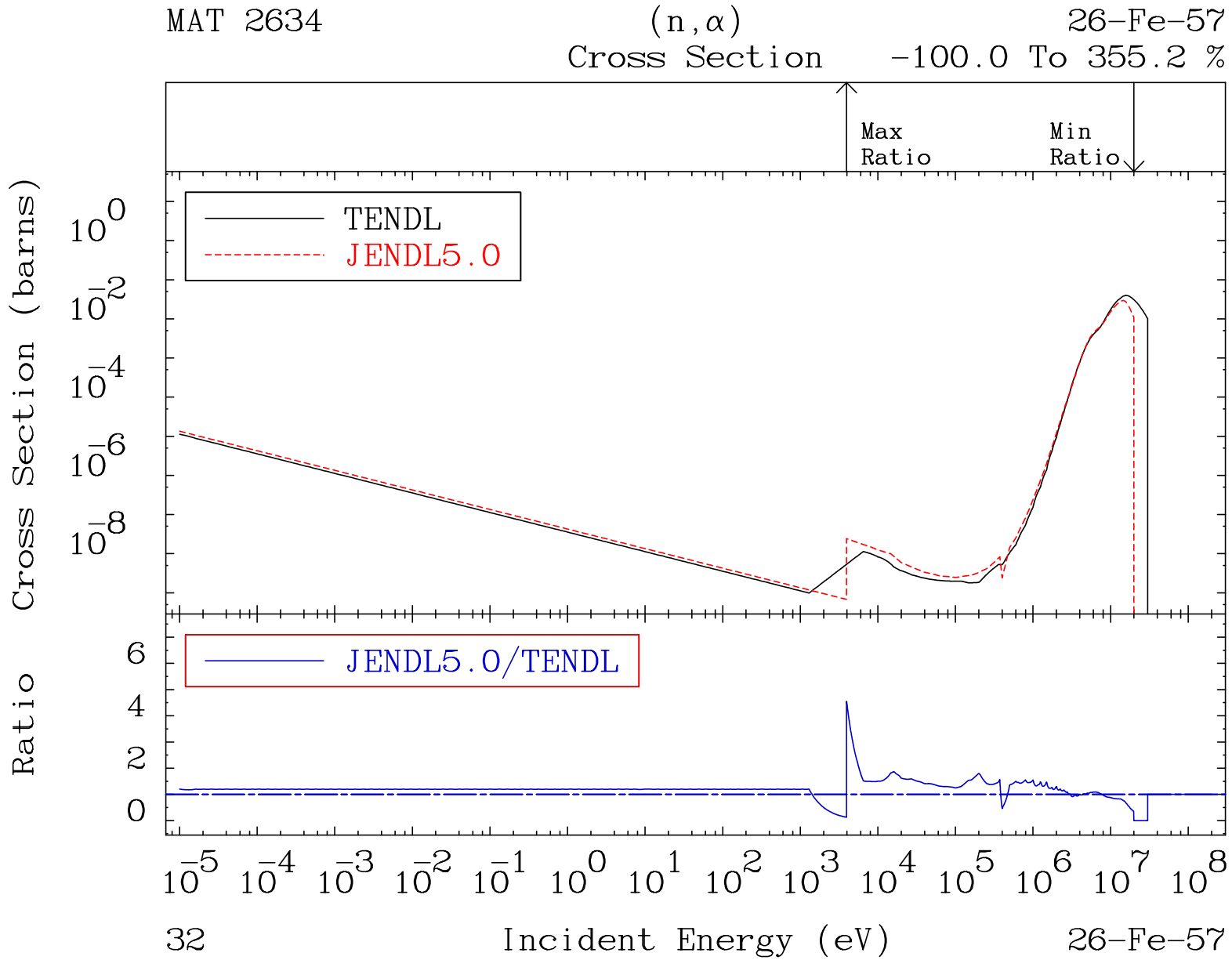

MAT 2634
(n,γ)
Cross Section
26-Fe-57
-100.0 To 202.2 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
27
26-Fe-57

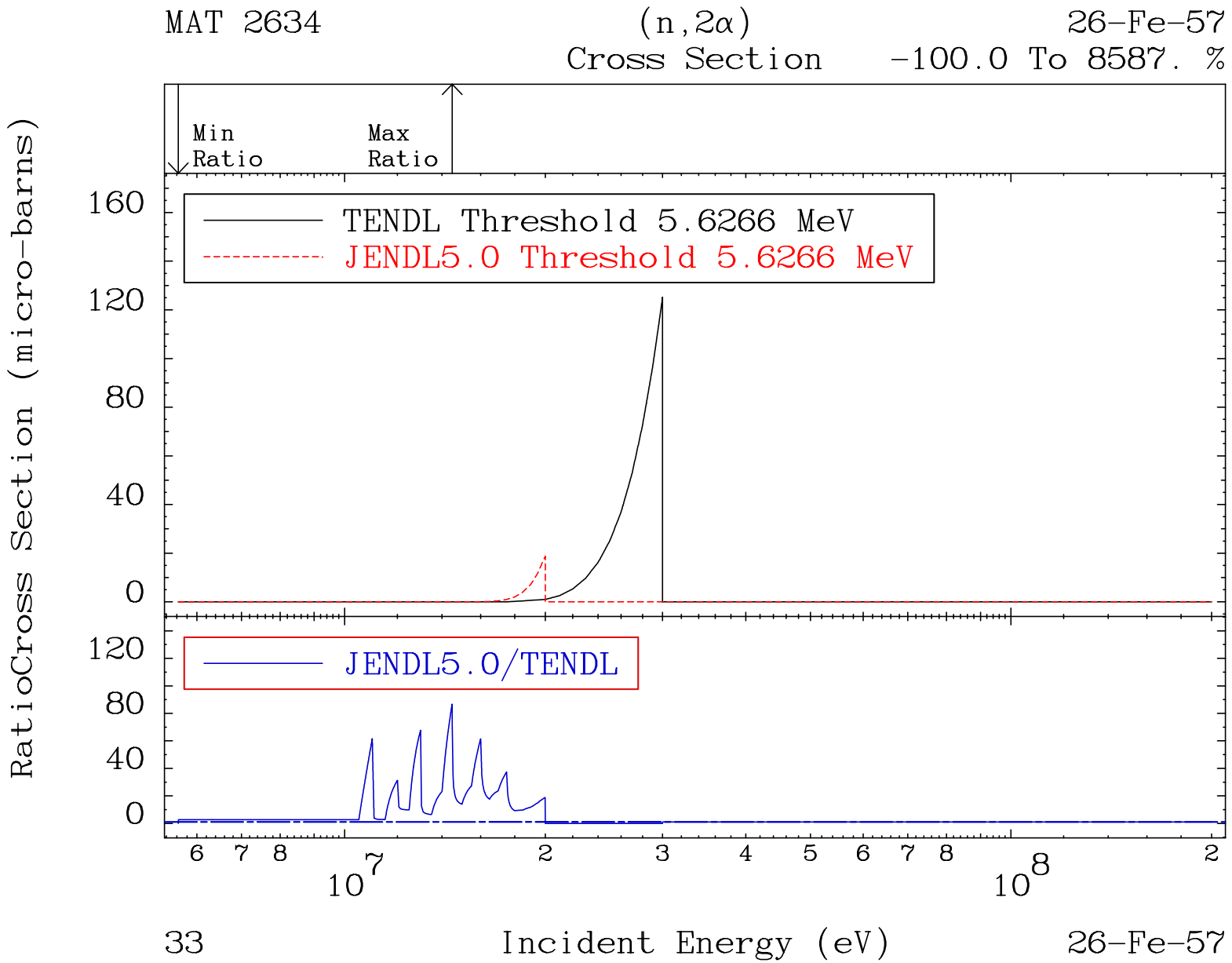

MAT 2634
(n,p)
Cross Section
26-Fe-57
-100.0 To 66.79 %
Max Ratio
Min Ratio
TENDL Threshold 1.9473 MeV
JENDL5.0 Threshold 1.9473 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
26-Fe-57

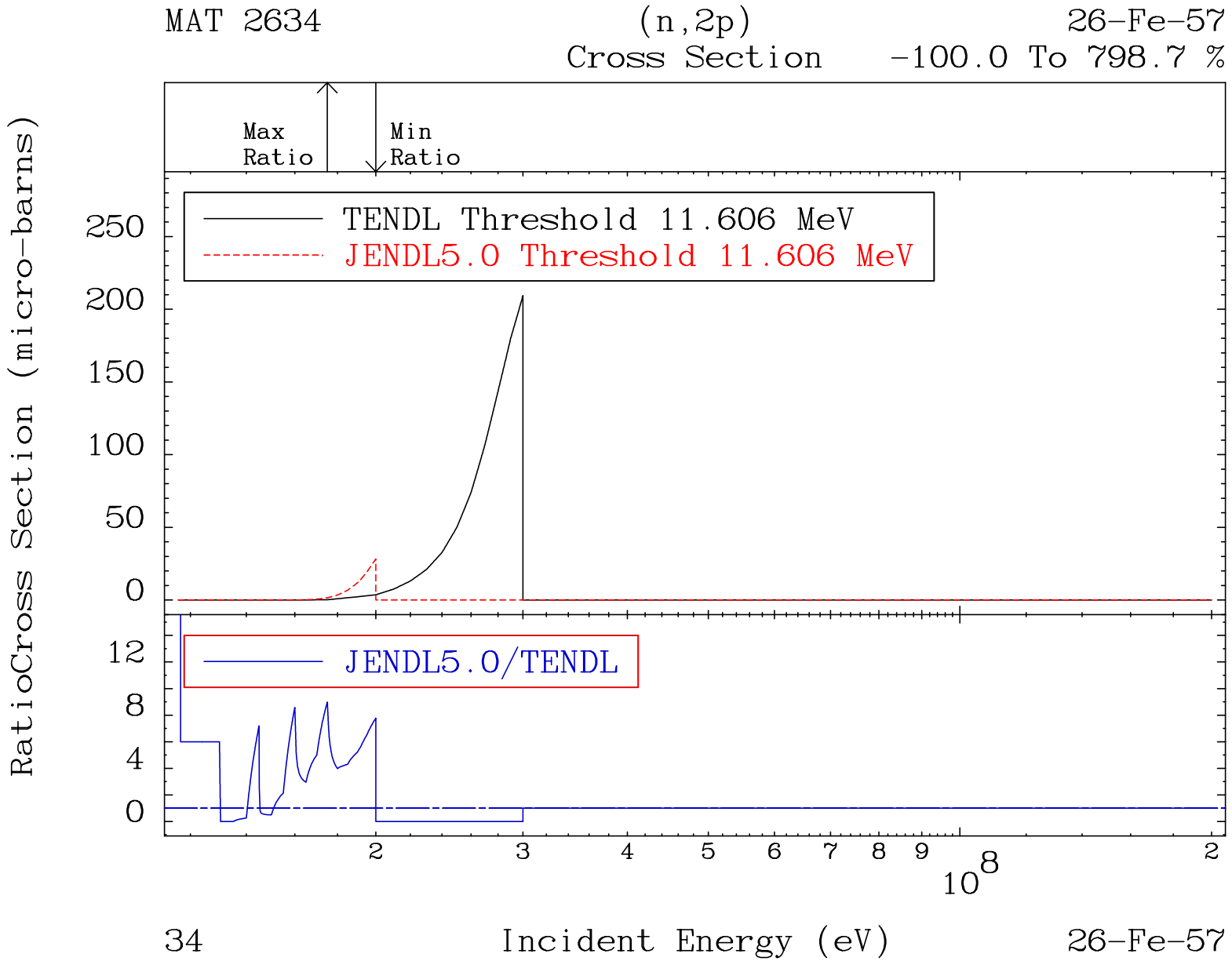

MAT 2634
(n,d)
Cross Section
26-Fe-57
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.4824 MeV
JENDL5.0 Threshold 8.4824 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
12
8
4
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
29
Incident Energy (eV)
26-Fe-57

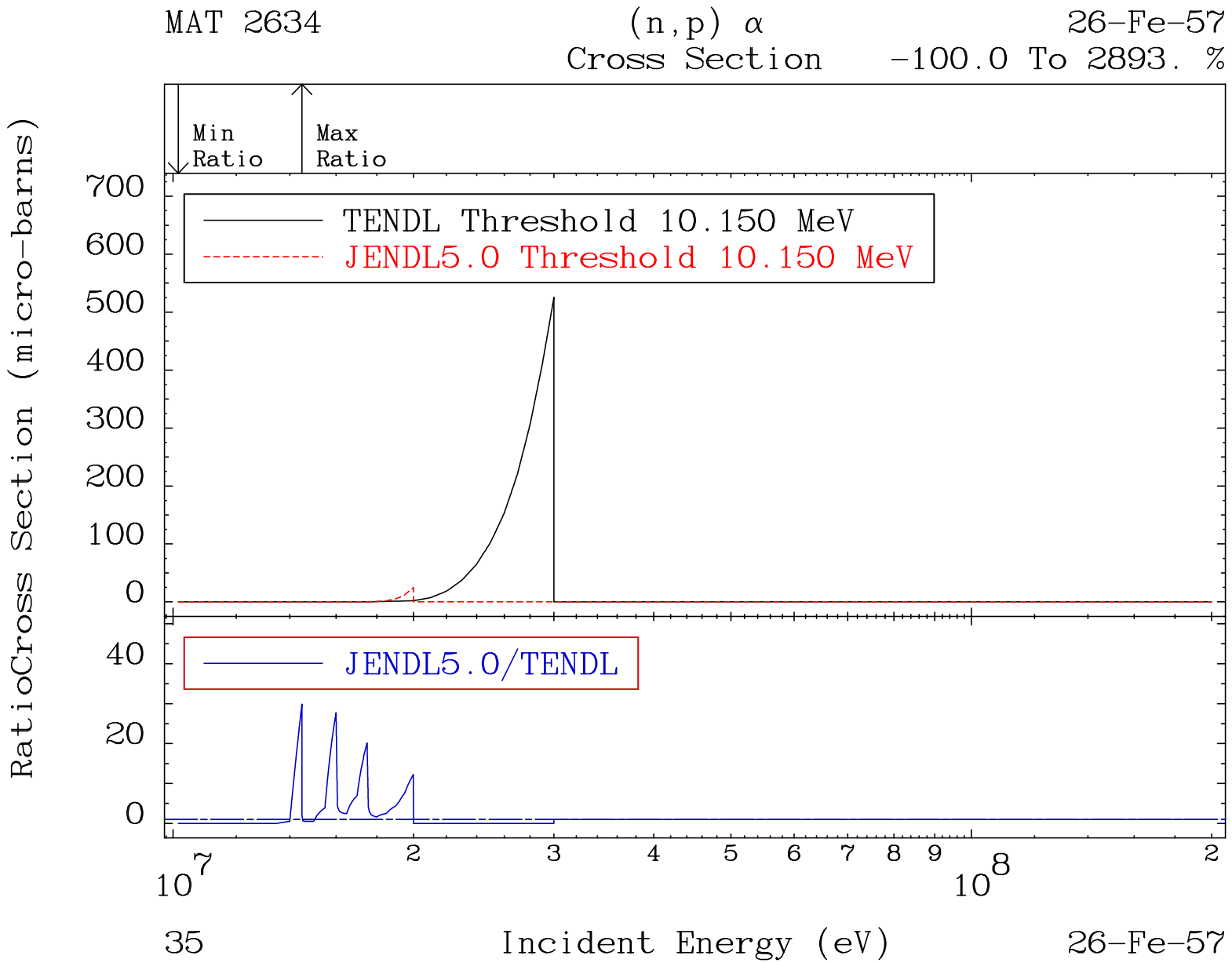

MAT 2634
(n,t)
Cross Section
26-Fe-57
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5136 MeV
JENDL5.0 Threshold 9.5136 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
800
400
0
10^7
2
3
4
5
6
7
8
9
10^8
2
30
Incident Energy (eV)
26-Fe-57

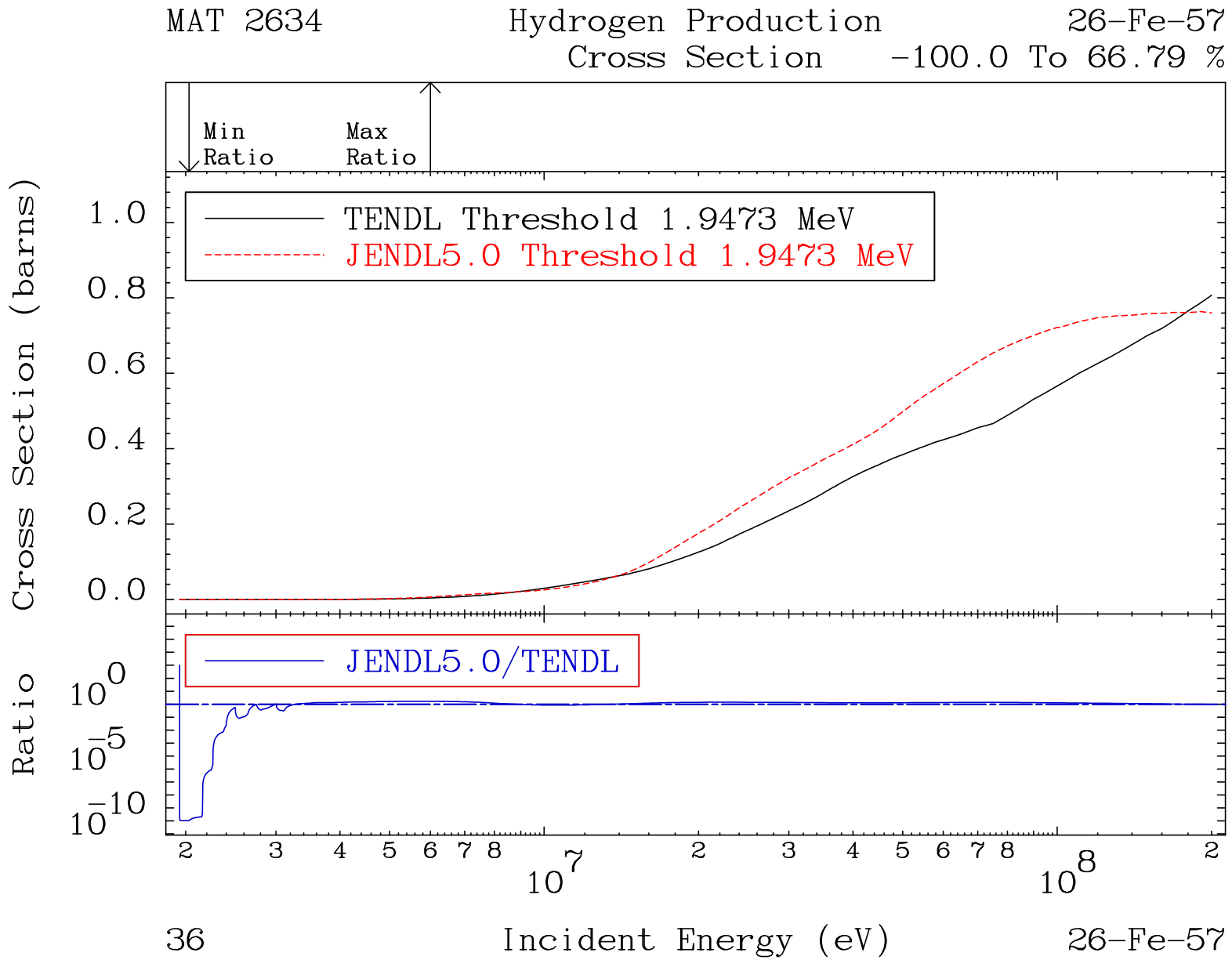

MAT 2634
(n,He-3)
Cross Section
26-Fe-57
-100.0 To 1224. %
Max
Ratio
TENDL Threshold 12.143 MeV
JENDL5.0 Threshold 12.143 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
10
0
2
3
4
5
6
7
8
9
2
10^8
31
Incident Energy (eV)
26-Fe-57

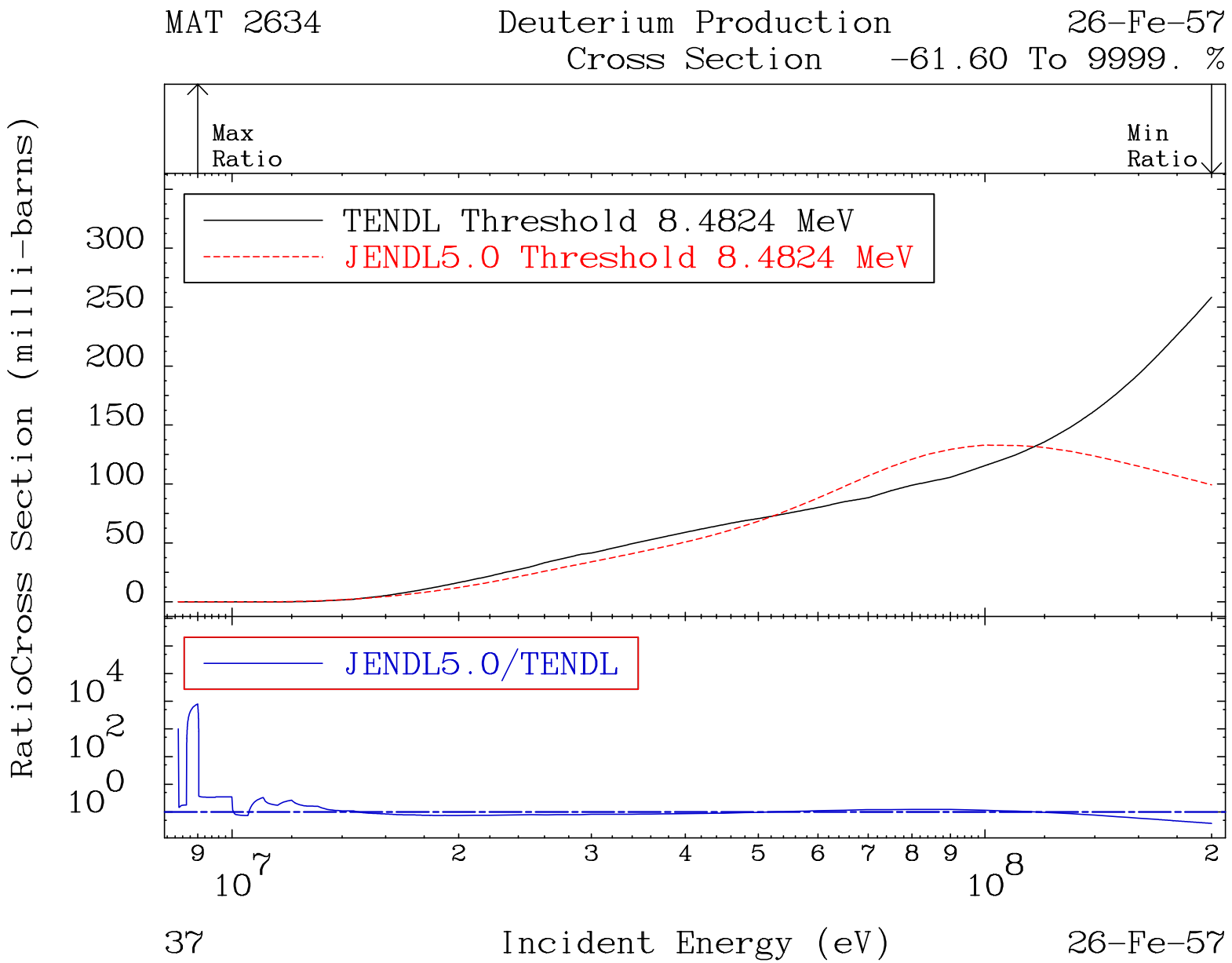

MAT 2634
(n,α)
Cross Section
26-Fe-57
-100.0 To 355.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
26-Fe-57

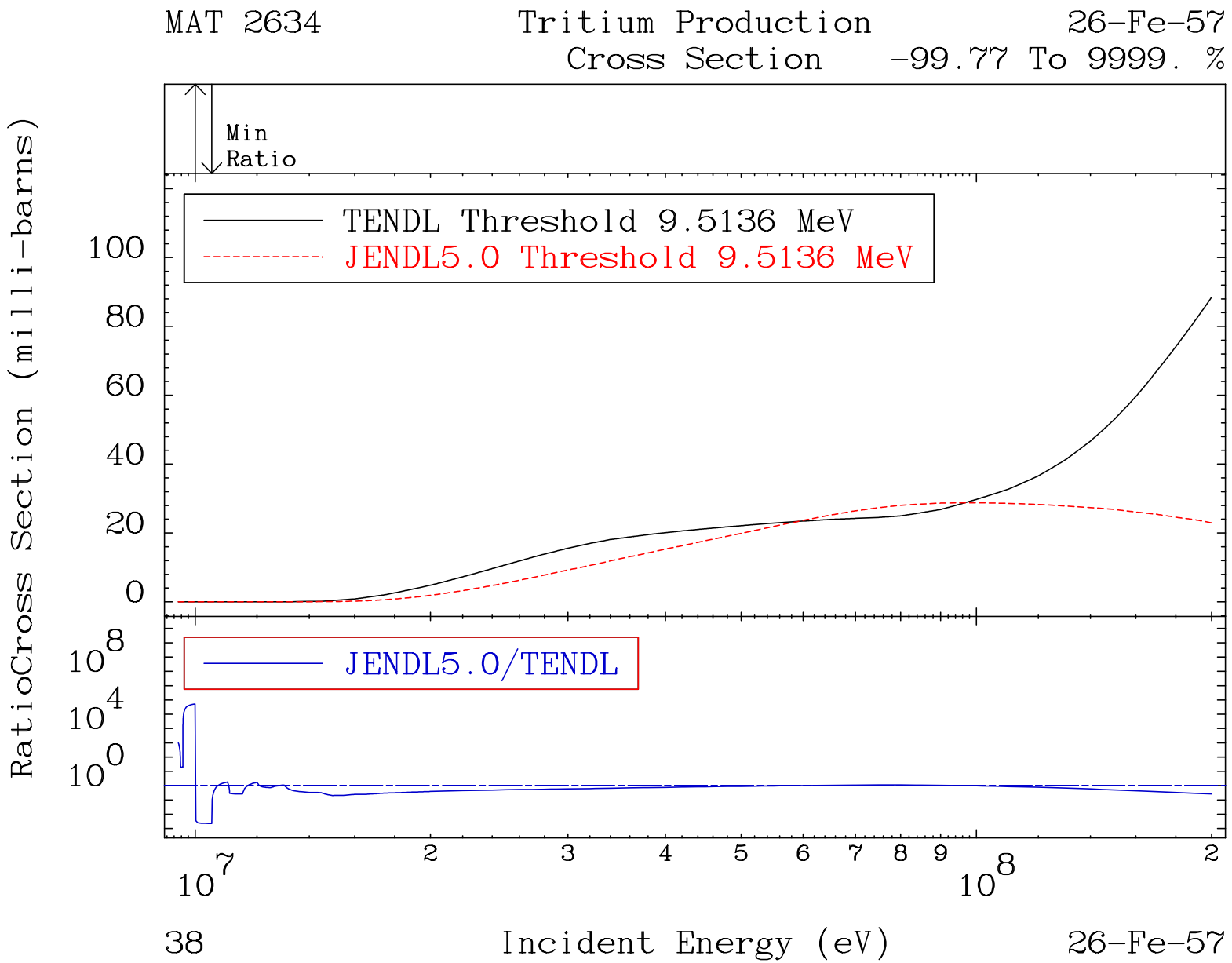

MAT 2634
(n,2α)
26-Fe-57
Cross Section
-100.0 To 8587. %
Min Ratio
Max Ratio
TENDL Threshold 5.6266 MeV
JENDL5.0 Threshold 5.6266 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
120
80
40
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
26-Fe-57

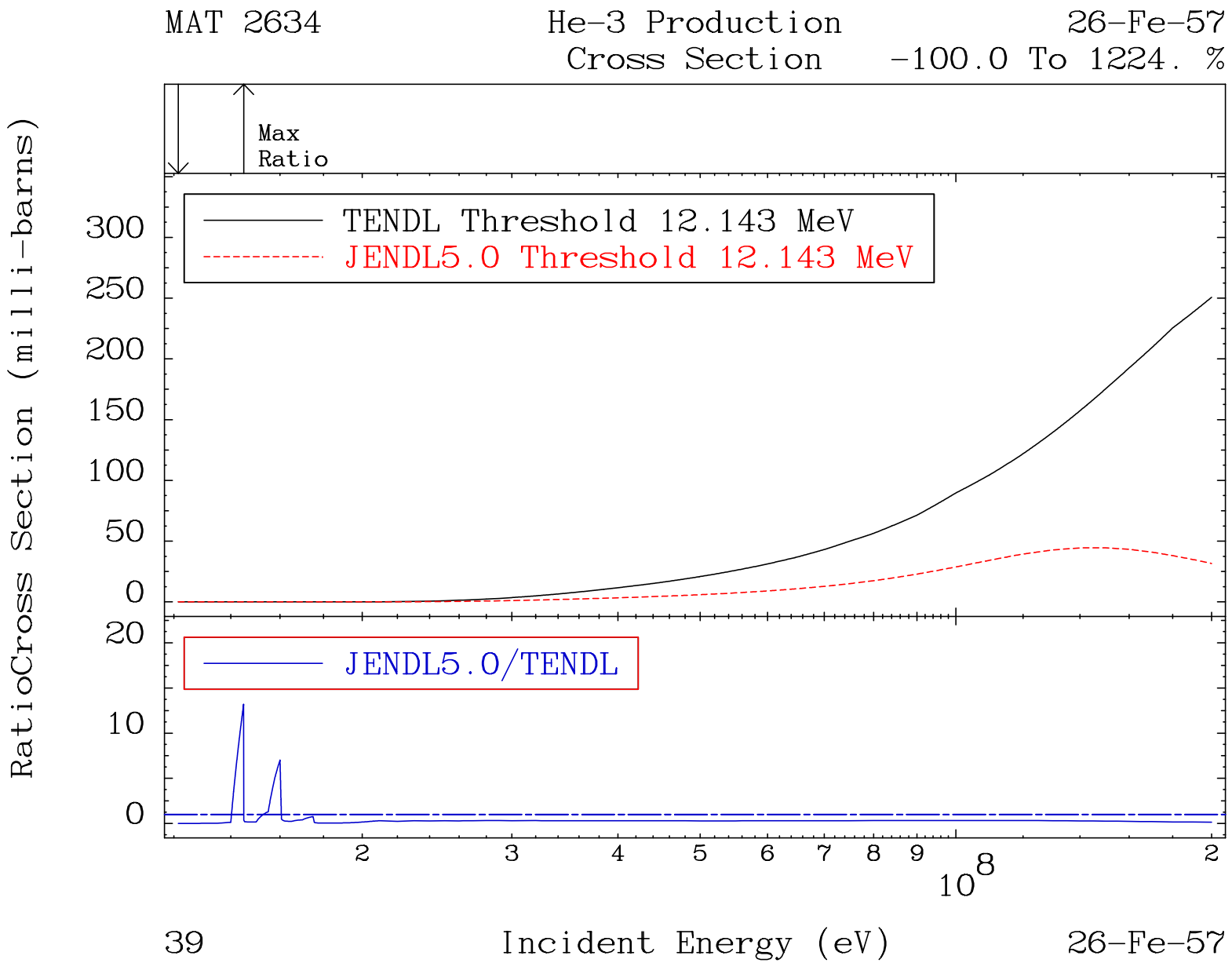

MAT 2634
(n,2p)
Cross Section
26-Fe-57
-100.0 To 798.7 %
Max Ratio
Min Ratio
TENDL Threshold 11.606 MeV
JENDL5.0 Threshold 11.606 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
26-Fe-57

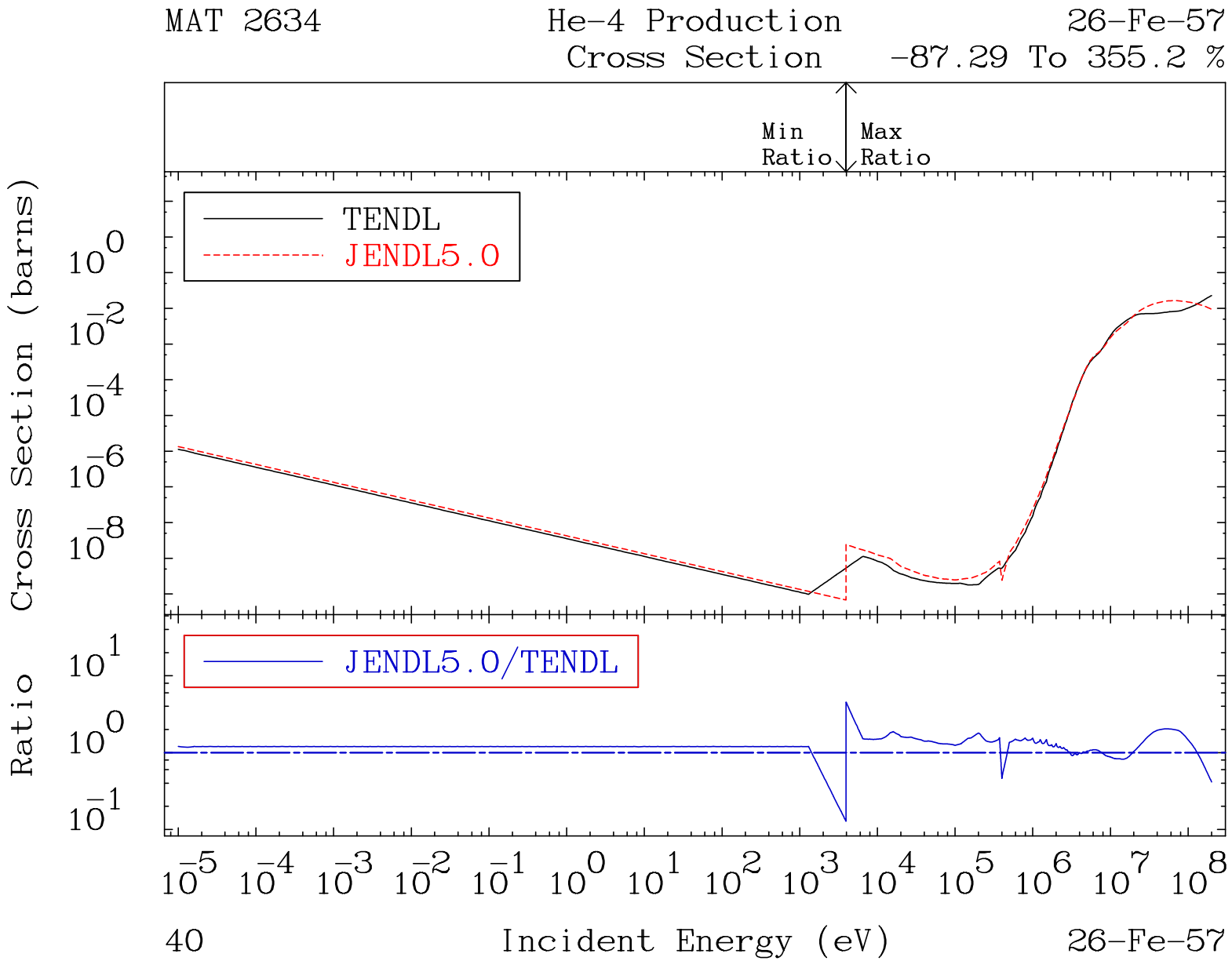

MAT 2634
(n,p) α
Cross Section
26-Fe-57
-100.0 To 2893. %
Min Ratio
Max Ratio
TENDL Threshold 10.150 MeV
JENDL5.0 Threshold 10.150 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
700
600
500
400
300
200
100
0
40
20
0
10^7
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
26-Fe-57

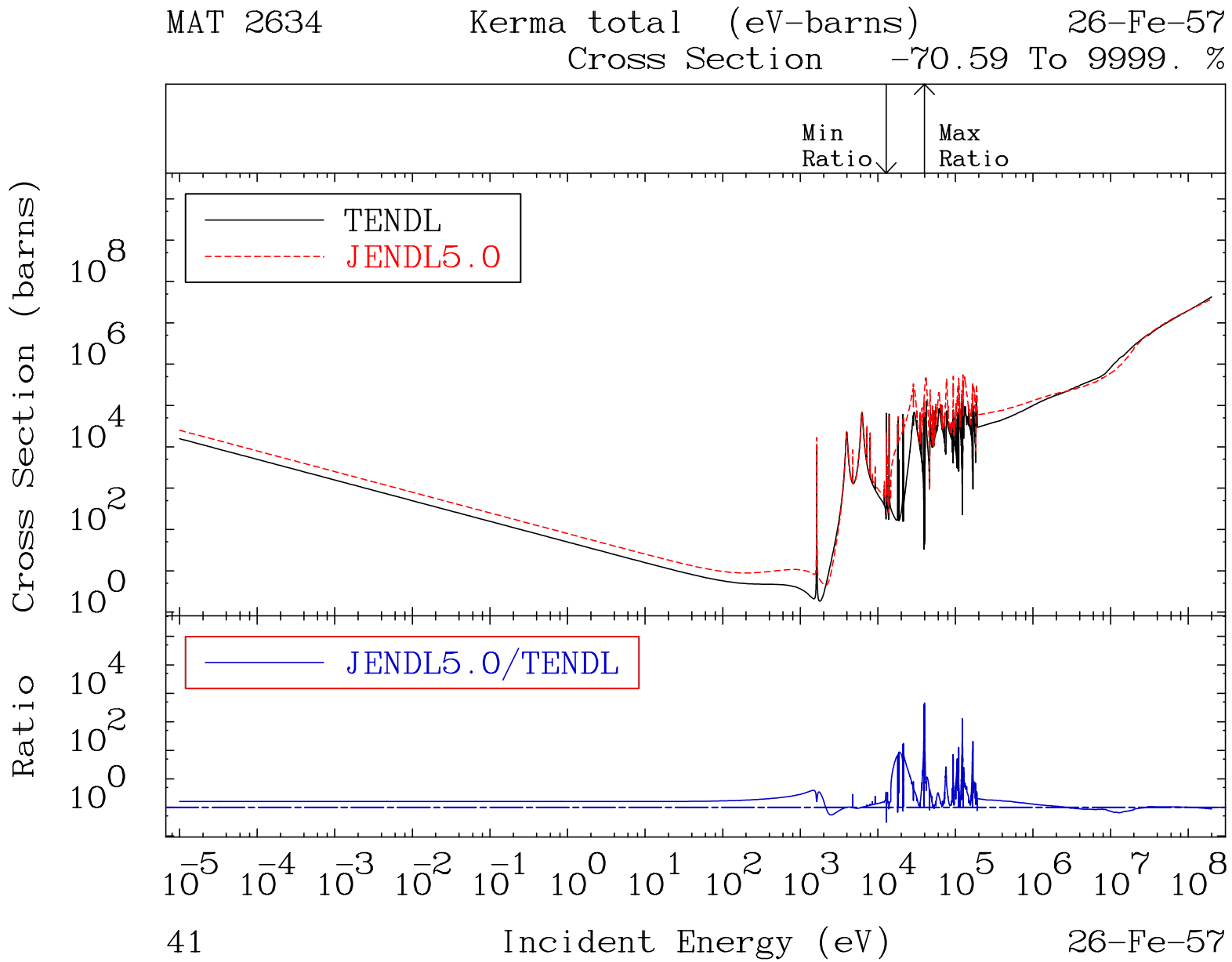

MAT 2634
Hydrogen Production
26-Fe-57
Cross Section
-100.0 To 66.79 %
Min Ratio
Max Ratio
TENDL Threshold 1.9473 MeV
JENDL5.0 Threshold 1.9473 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
10^{0}
10^{-5}
10^{-10}
2 3 4 5 6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
36
Incident Energy (eV)
26-Fe-57

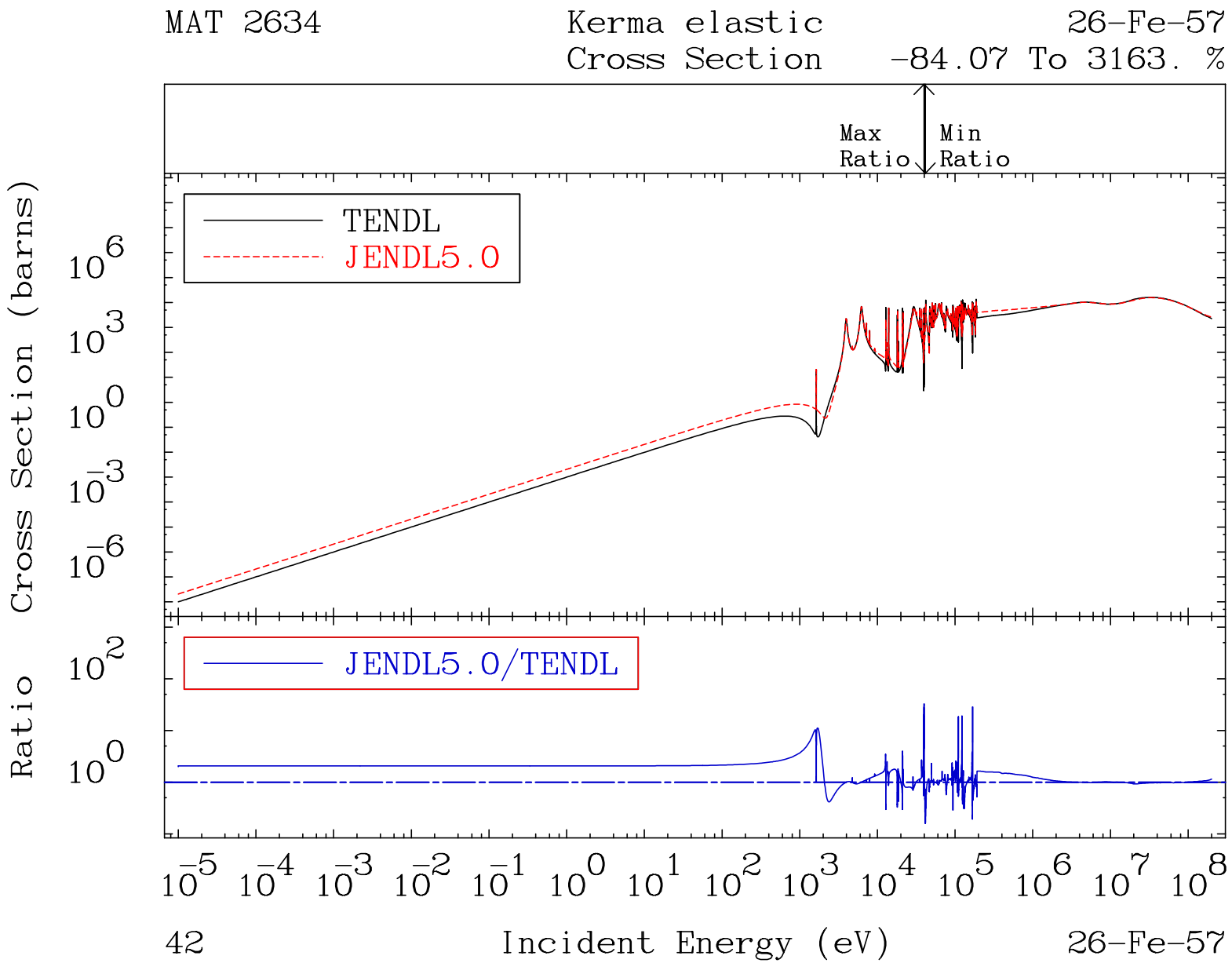

MAT 2634
Deuterium Production
26-Fe-57
Cross Section
-61.60 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.4824 MeV
JENDL5.0 Threshold 8.4824 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
26-Fe-57

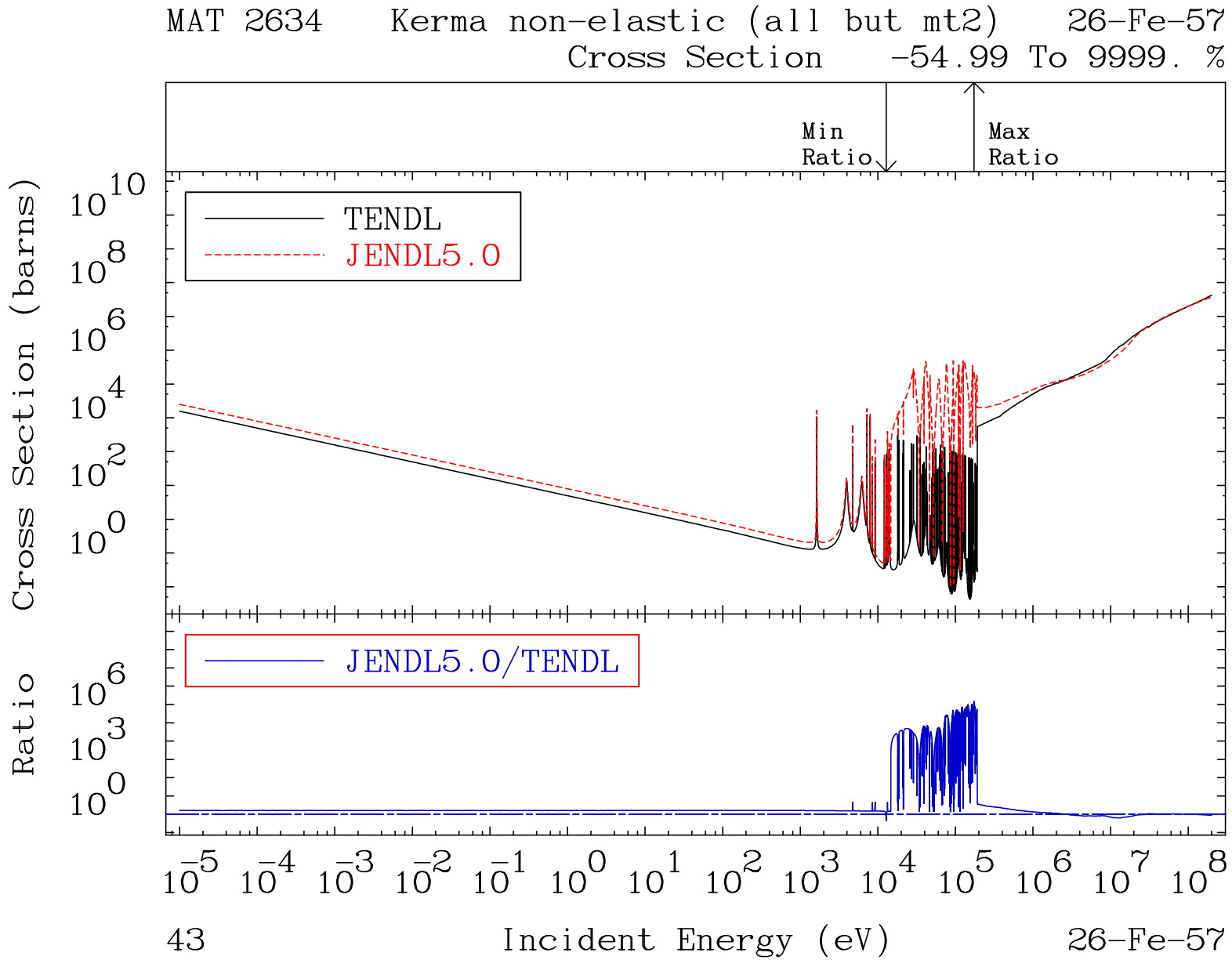

MAT 2634
Tritium Production
Cross Section
26-Fe-57
-99.77 To 9999. %
Min
Ratio
TENDL Threshold 9.5136 MeV
JENDL5.0 Threshold 9.5136 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^8
10^4
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
26-Fe-57

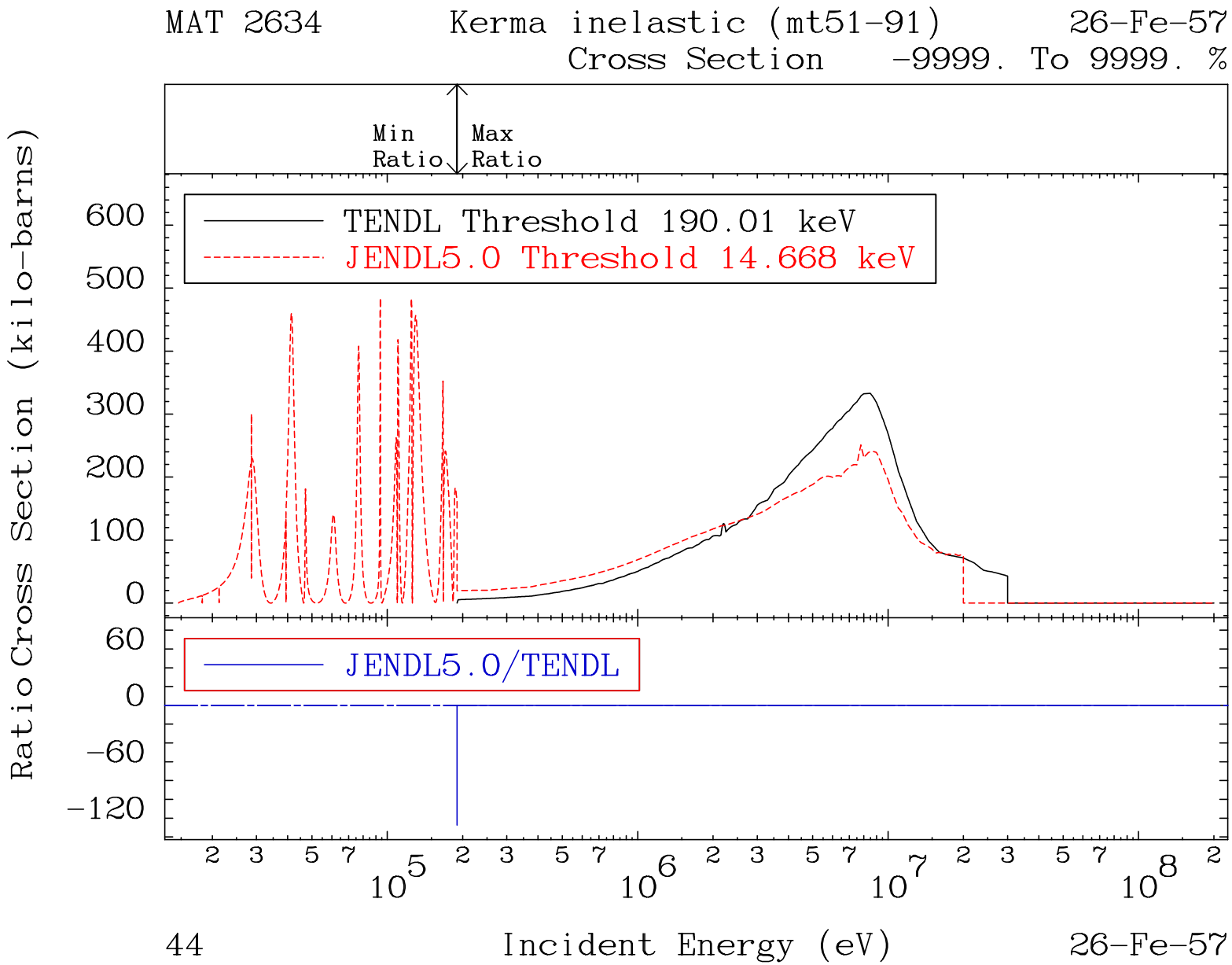

MAT 2634
He-3 Production
Cross Section
26-Fe-57
-100.0 To 1224. %
Max
Ratio
TENDL Threshold 12.143 MeV
JENDL5.0 Threshold 12.143 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
26-Fe-57

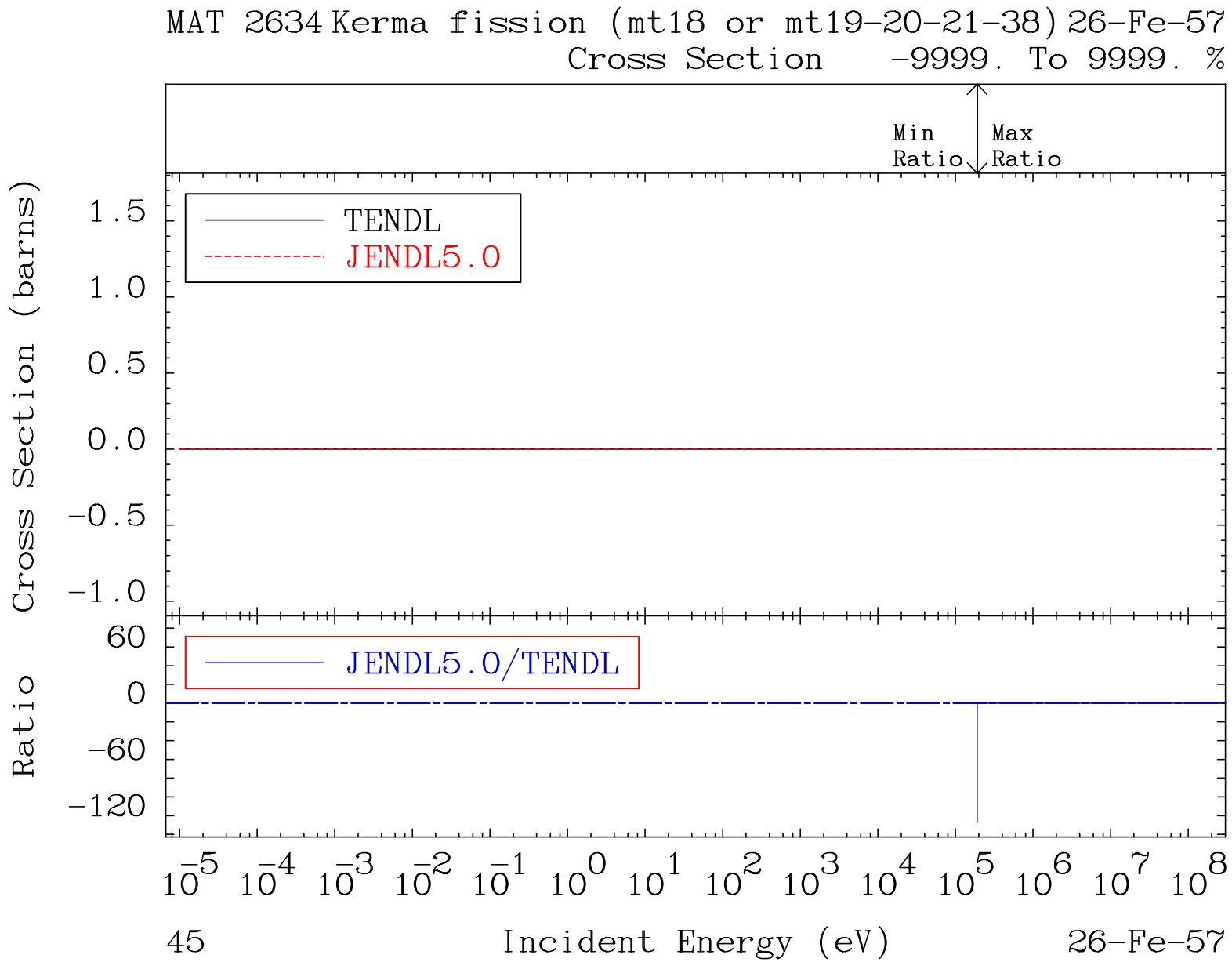

MAT 2634
He-4 Production
Cross Section
26-Fe-57
-87.29 To 355.2 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
26-Fe-57

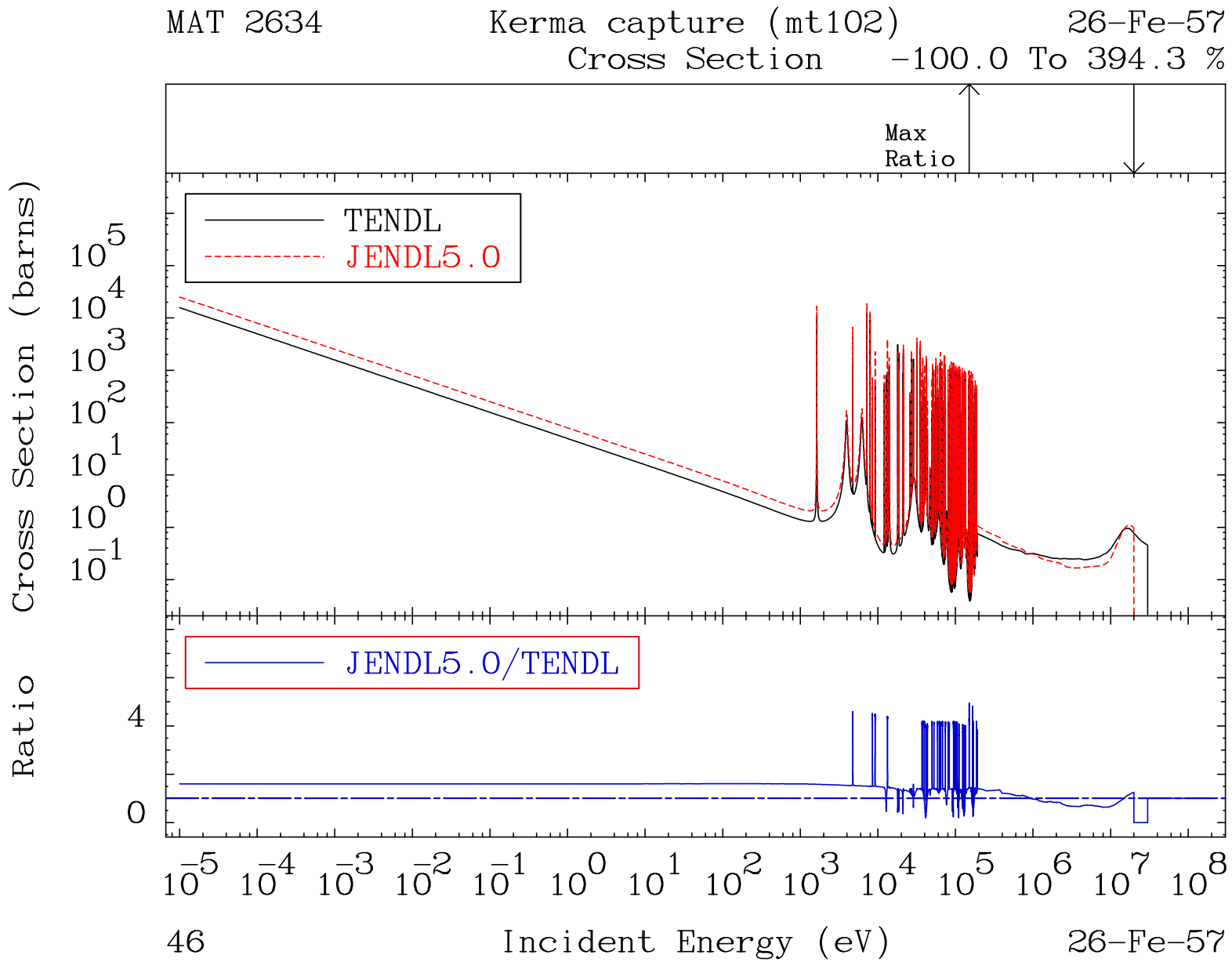

MAT 2634
Kerma total (eV-barns)
26-Fe-57
Cross Section -70.59 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
41
26-Fe-57

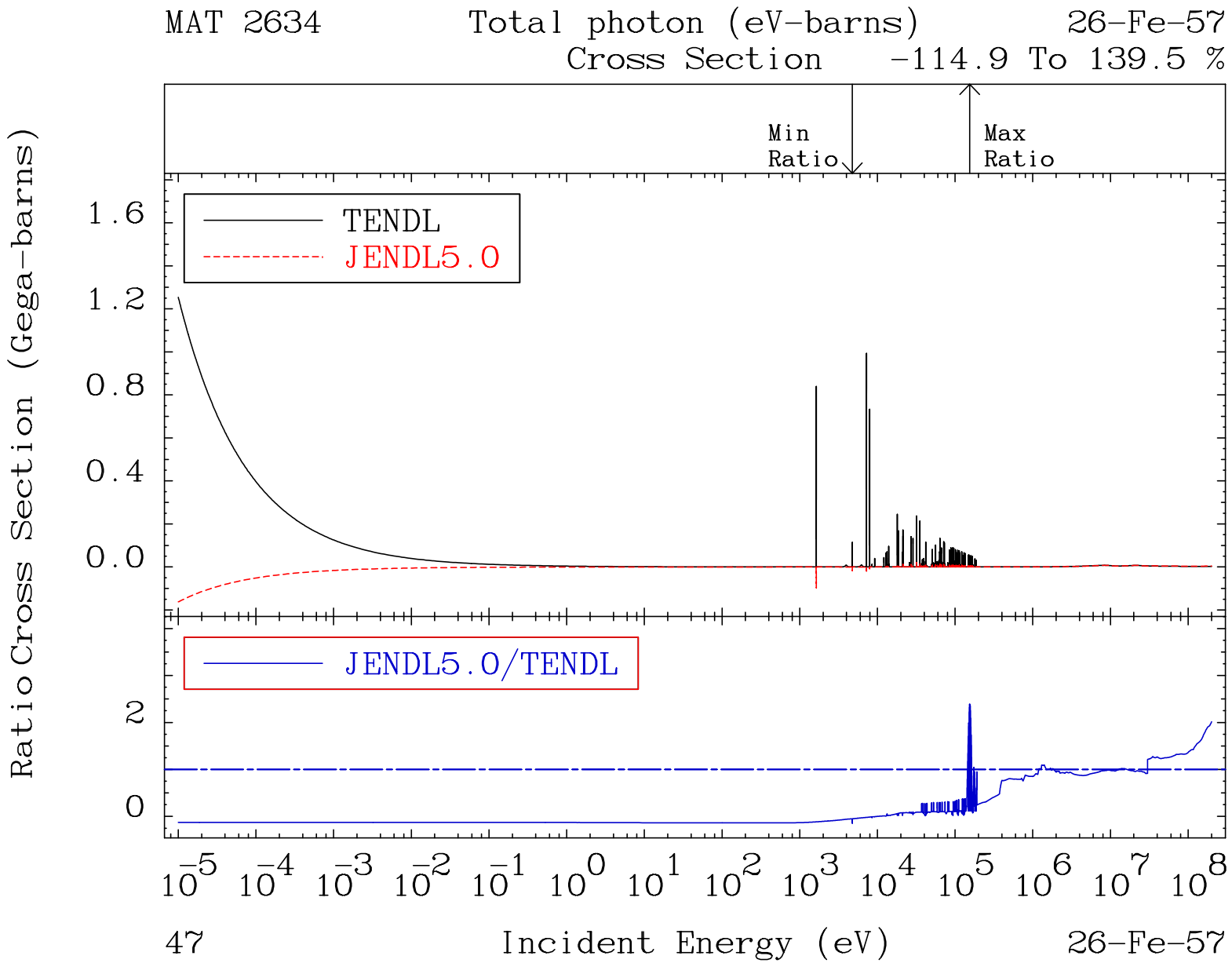

MAT 2634
Kerma elastic
Cross Section
26-Fe-57
-84.07 To 3163. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
26-Fe-57

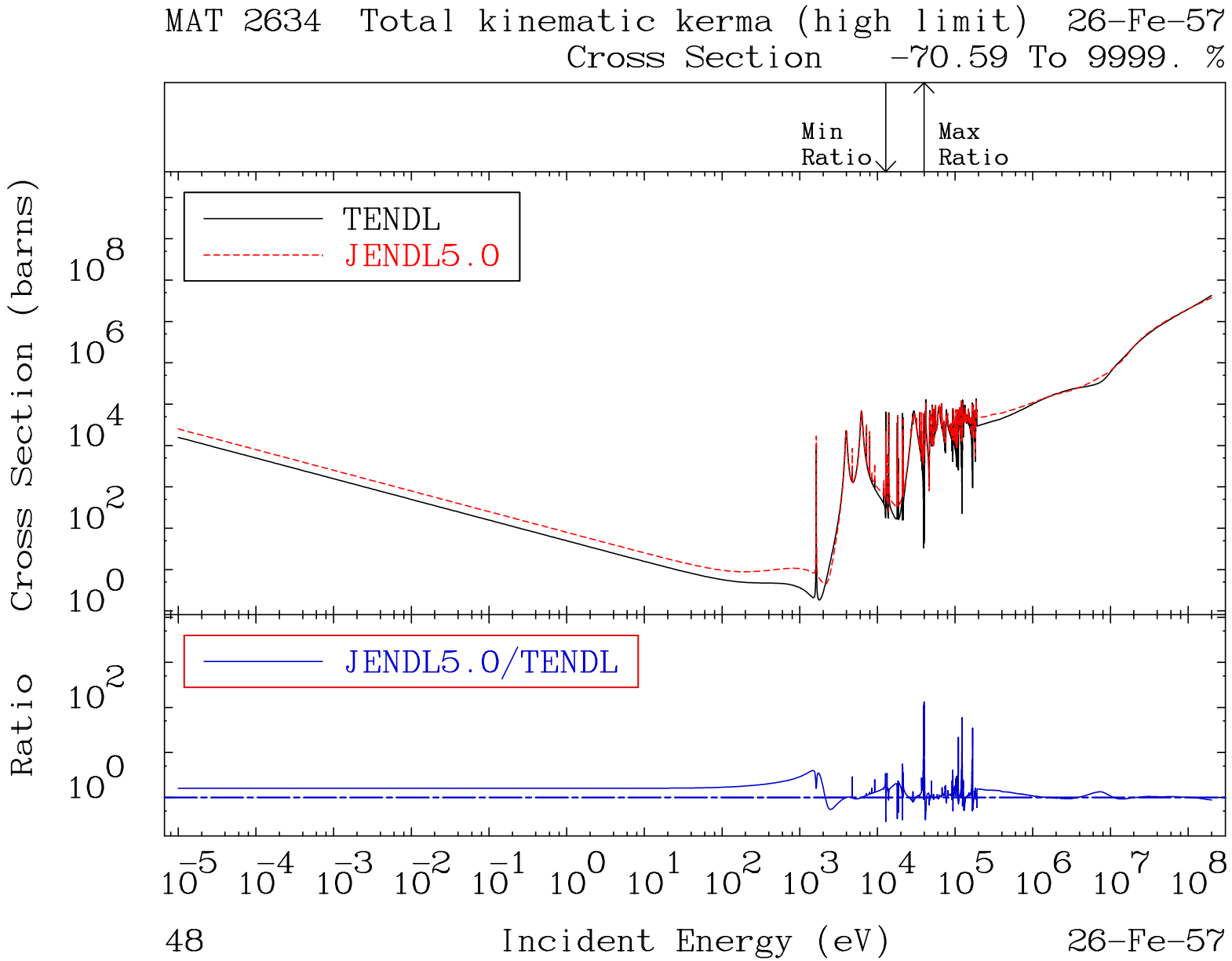

MAT 2634 Kerma non-elastic (all but mt2) 26-Fe-57
Cross Section -54.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
26-Fe-57

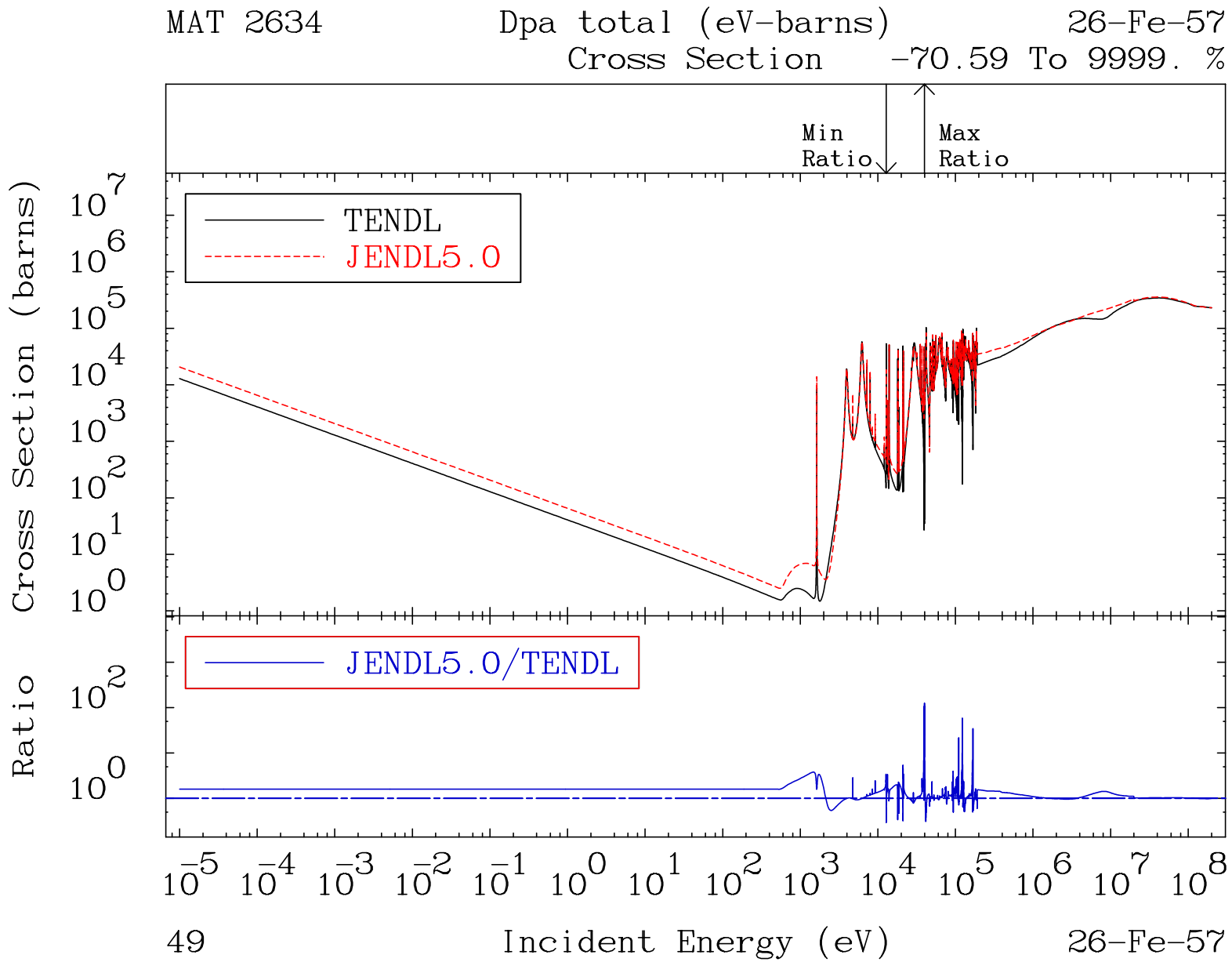

MAT 2634
Kerma inelastic (mt51-91)
26-Fe-57
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 190.01 keV
JENDL5.0 Threshold 14.668 keV
JENDL5.0/TENDL
Ratio Cross Section (kilo-barns)
600
500
400
300
200
100
0
60
0
-60
-120
2 3 5 7 2 3 5 7 2 3 5 7 2 3 5 7 2
10^5
10^6
10^7
10^8
44
Incident Energy (eV)
26-Fe-57

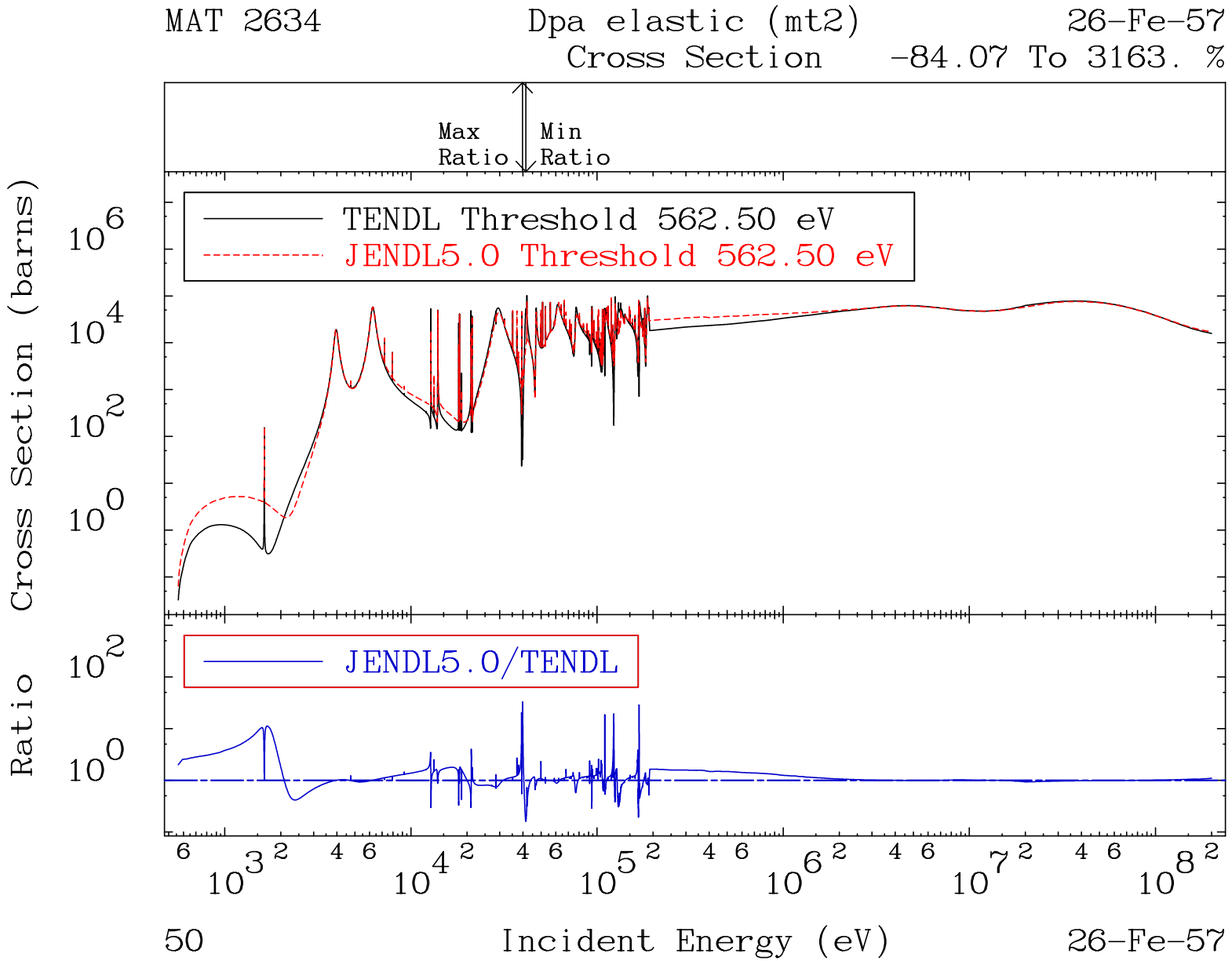

MAT 2634 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-57
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
60
0
-60
-120
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
45
Incident Energy (eV)
26-Fe-57

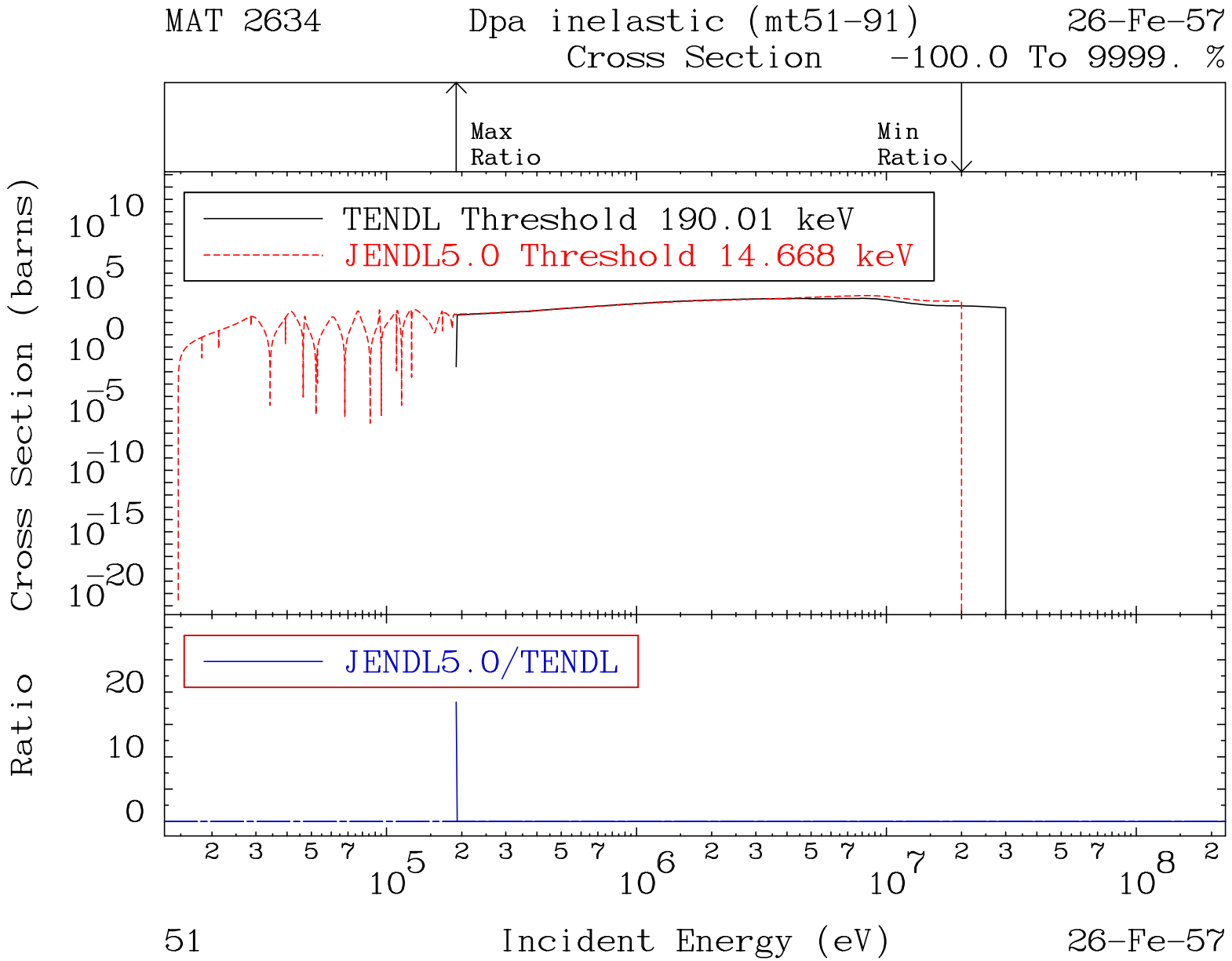

MAT 2634
Kerma capture (mt102)
26-Fe-57
Cross Section -100.0 To 394.3 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
46
26-Fe-57

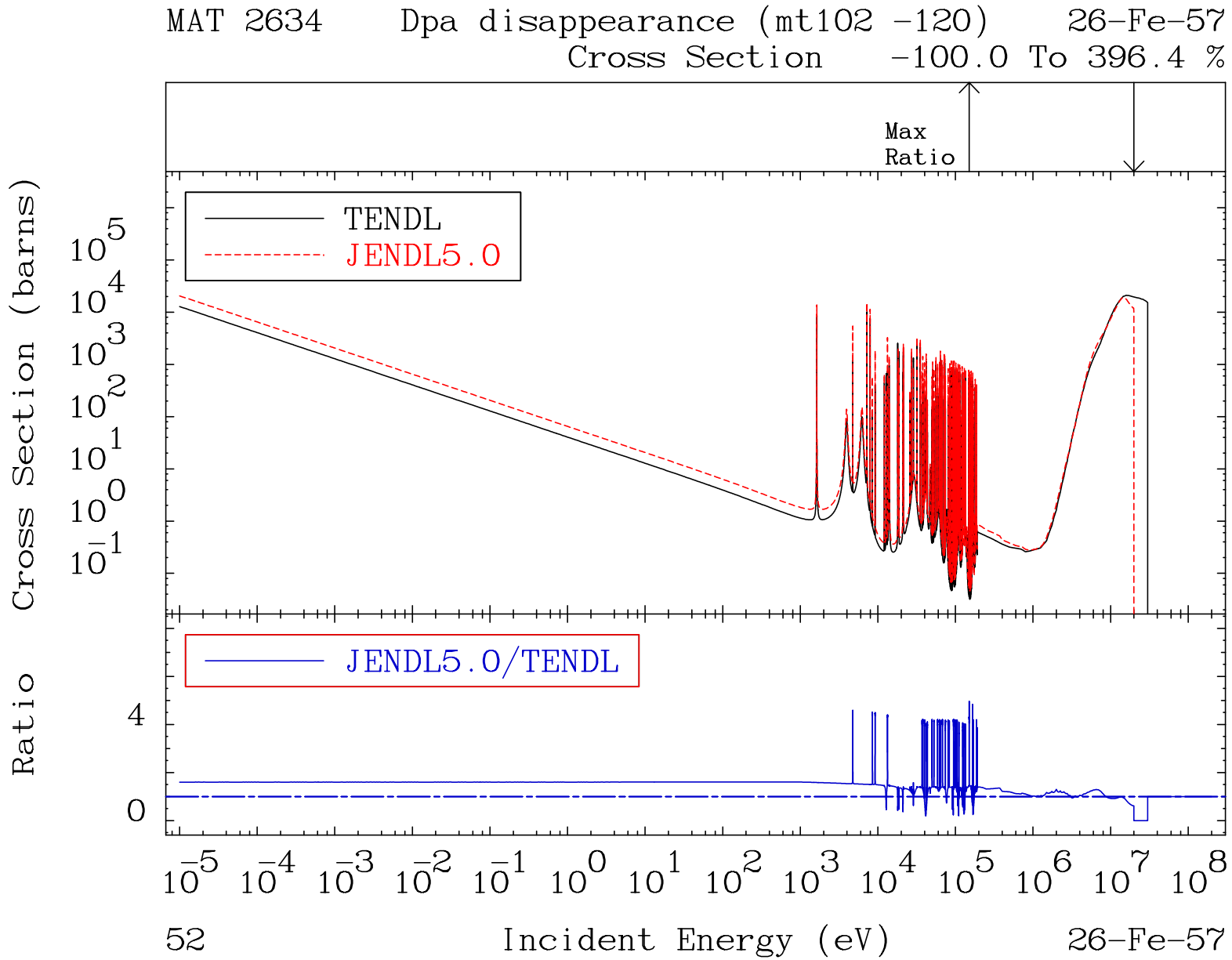

MAT 2634
Total photon (eV-barns)
26-Fe-57
Cross Section
-114.9 To 139.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Giga-barns)
1.6
1.2
0.8
0.4
0.0
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
47
Incident Energy (eV)
26-Fe-57

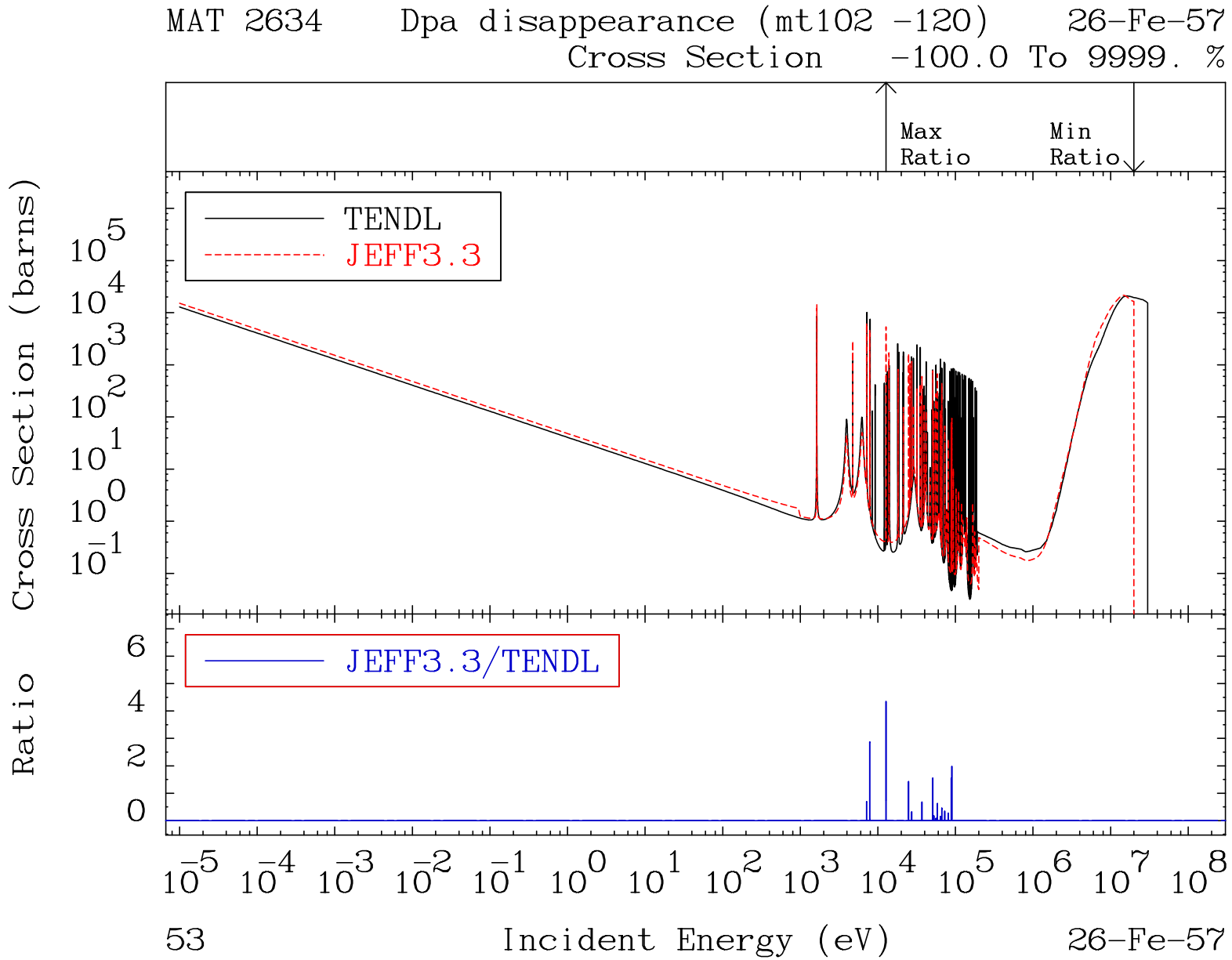

MAT 2634 Total kinematic kerma (high limit) 26-Fe-57
Cross Section -70.59 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
26-Fe-57


MAT 2634
Dpa total (eV-barns)
26-Fe-57
Cross Section
-70.59 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
26-Fe-57


MAT 2634
Dpa elastic (mt2)
Cross Section
26-Fe-57
-84.07 To 3163. %
Max Ratio
Min Ratio
TENDL Threshold 562.50 eV
JENDL5.0 Threshold 562.50 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
26-Fe-57


MAT 2634
Dpa inelastic (mt51-91)
26-Fe-57
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 190.01 keV
JENDL5.0 Threshold 14.668 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
26-Fe-57


MAT 2634 Dpa disappearance (mt102 -120) 26-Fe-57
Cross Section -100.0 To 396.4 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
26-Fe-57


MAT 2634 Dpa disappearance (mt102 -120) 26-Fe-57
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
53
26-Fe-57