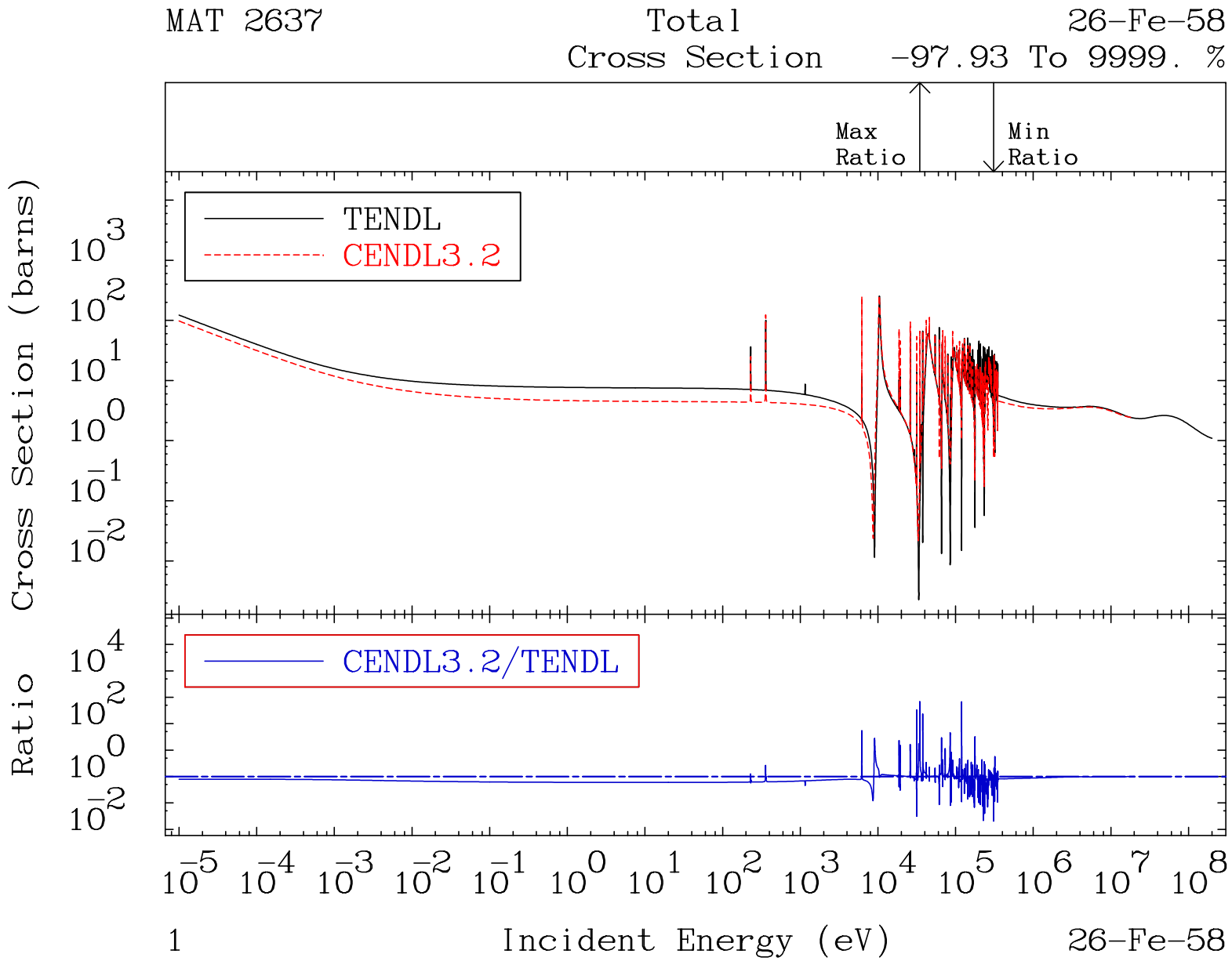
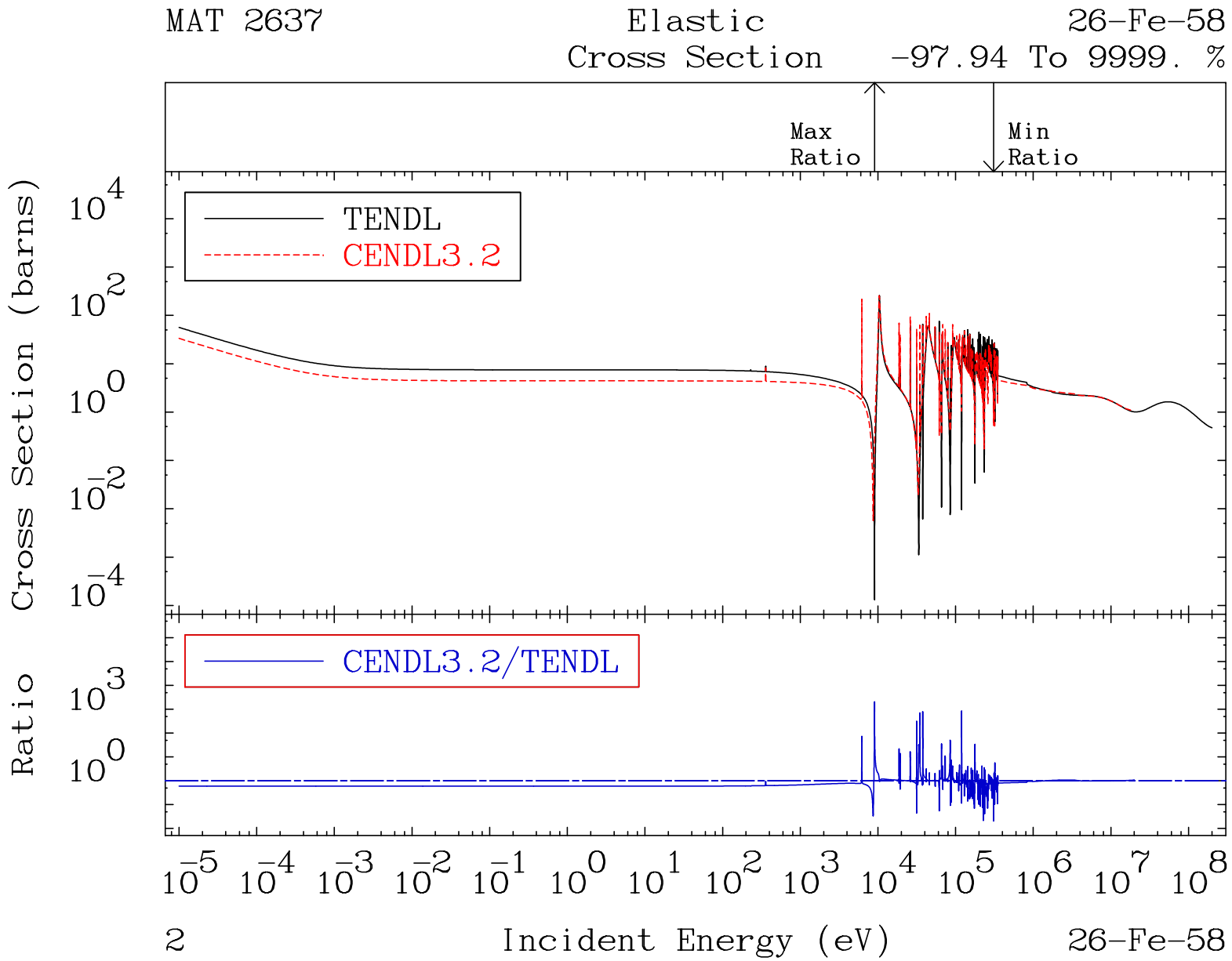
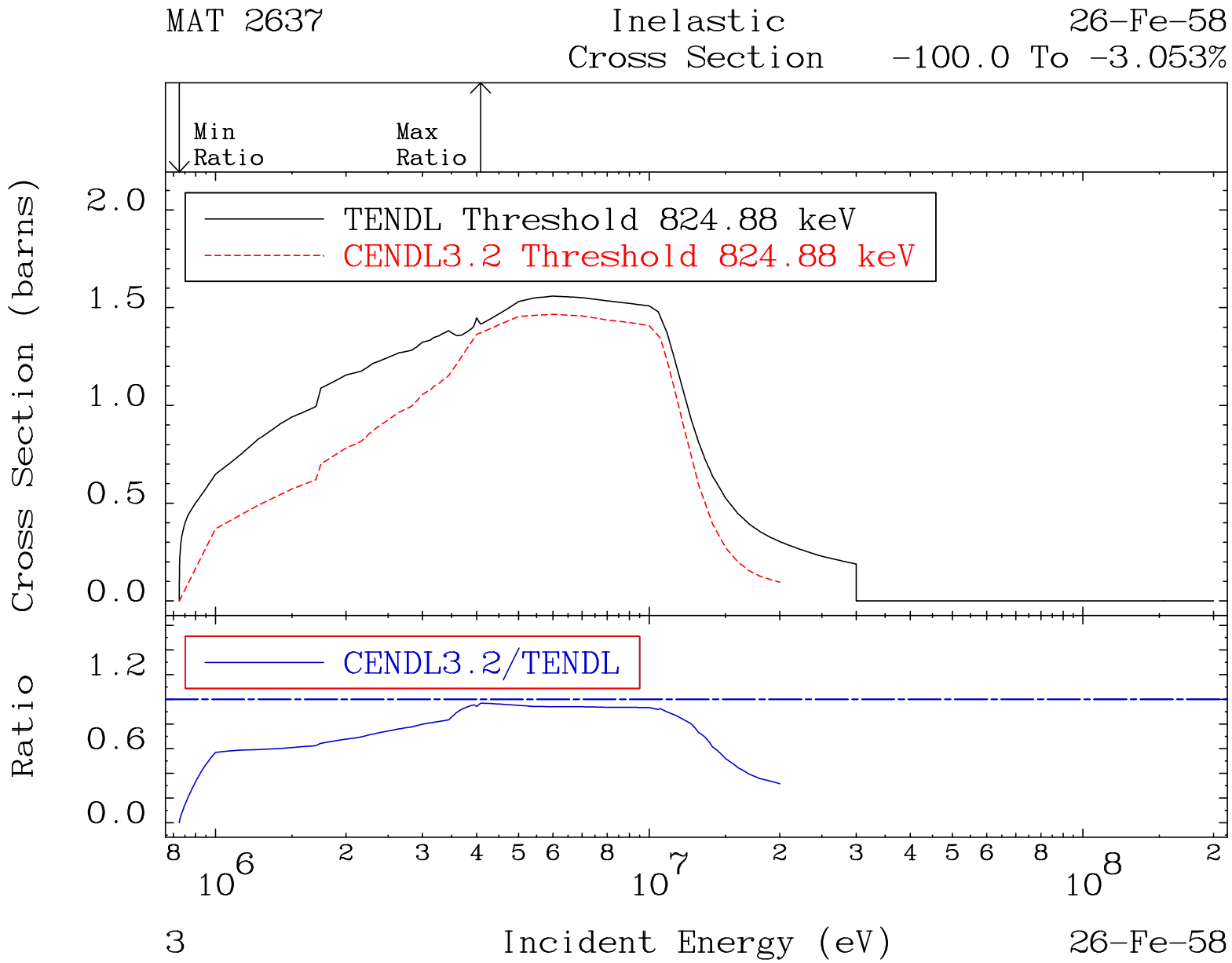
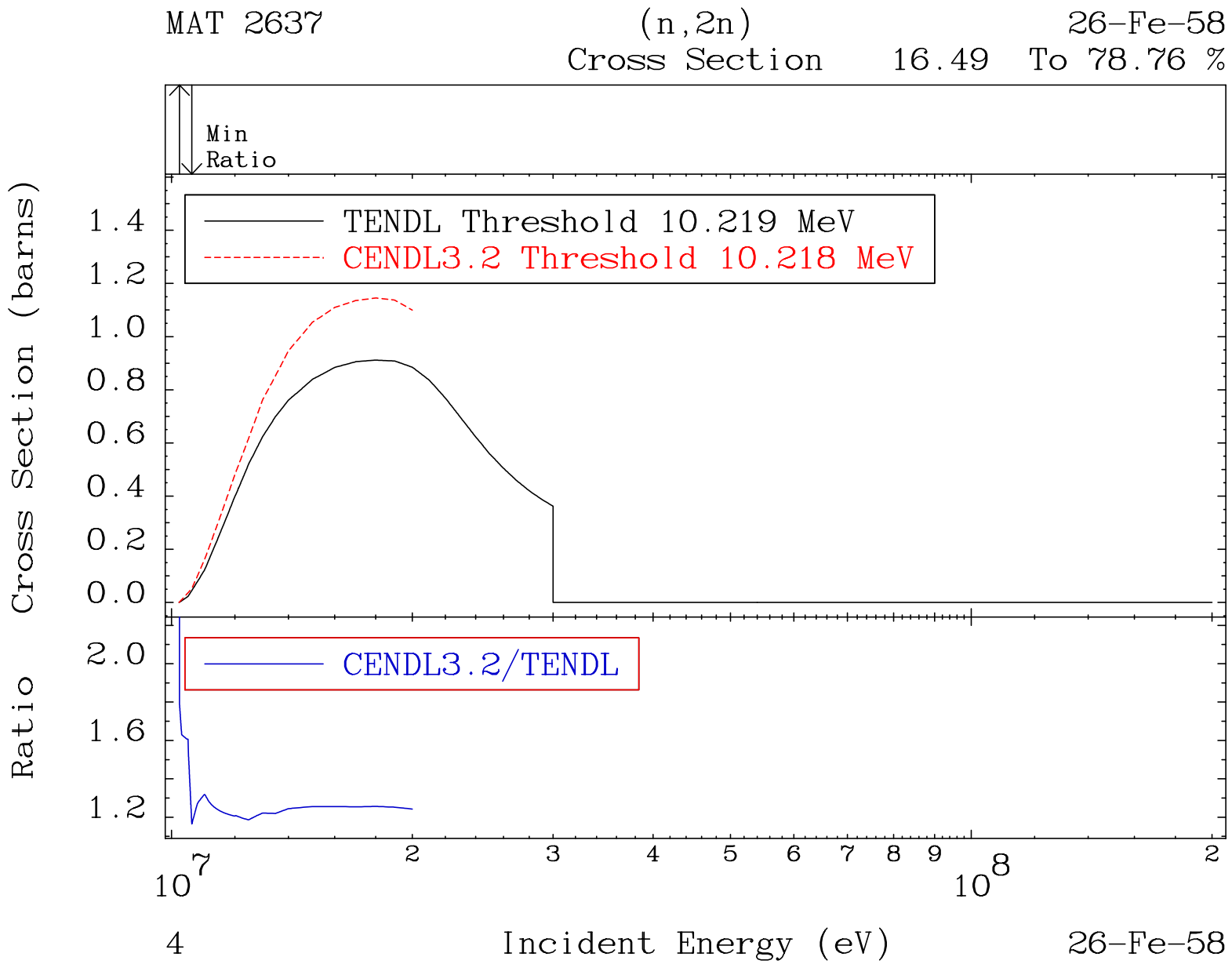
Program Complot
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

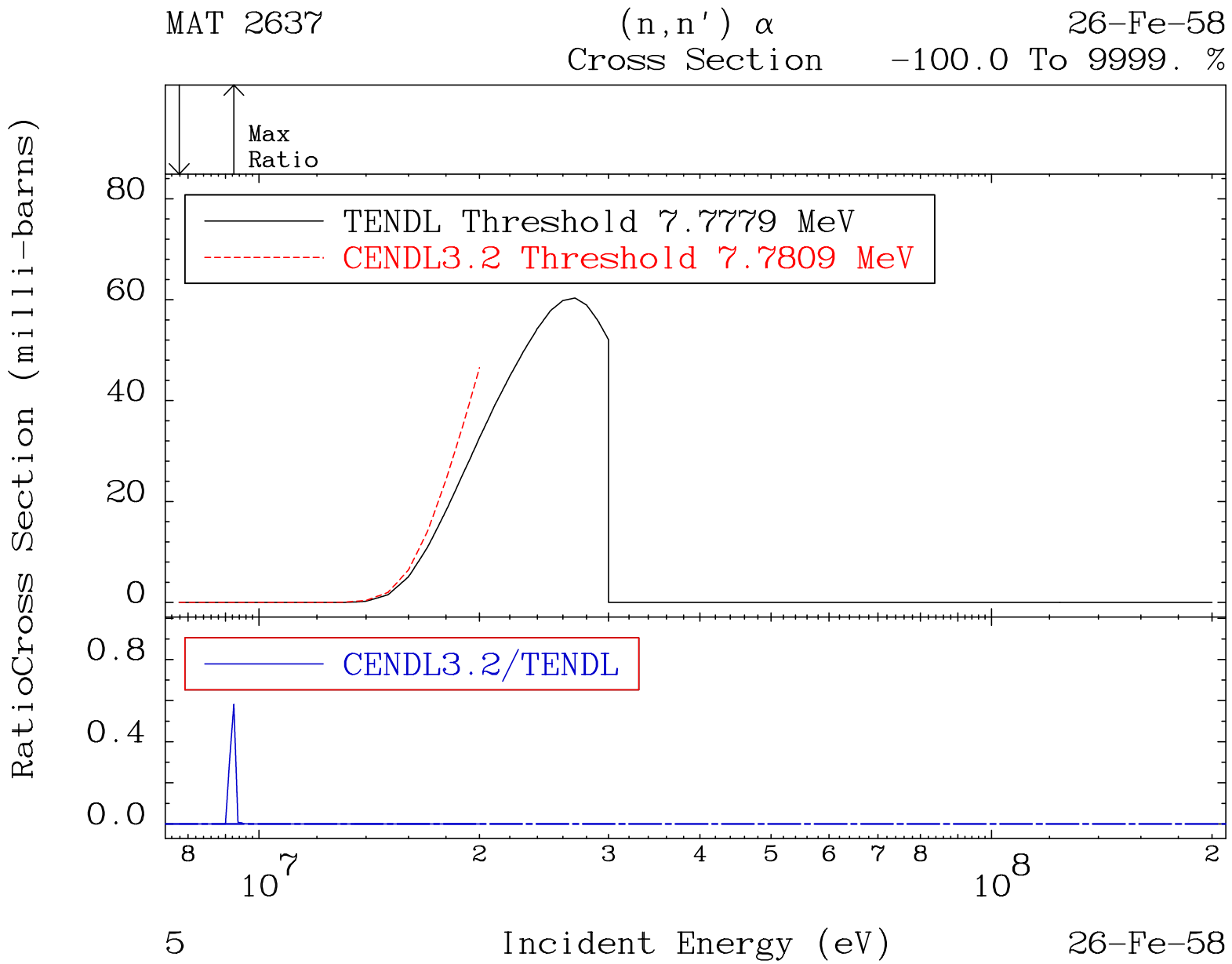
Press Mouse Button to Start

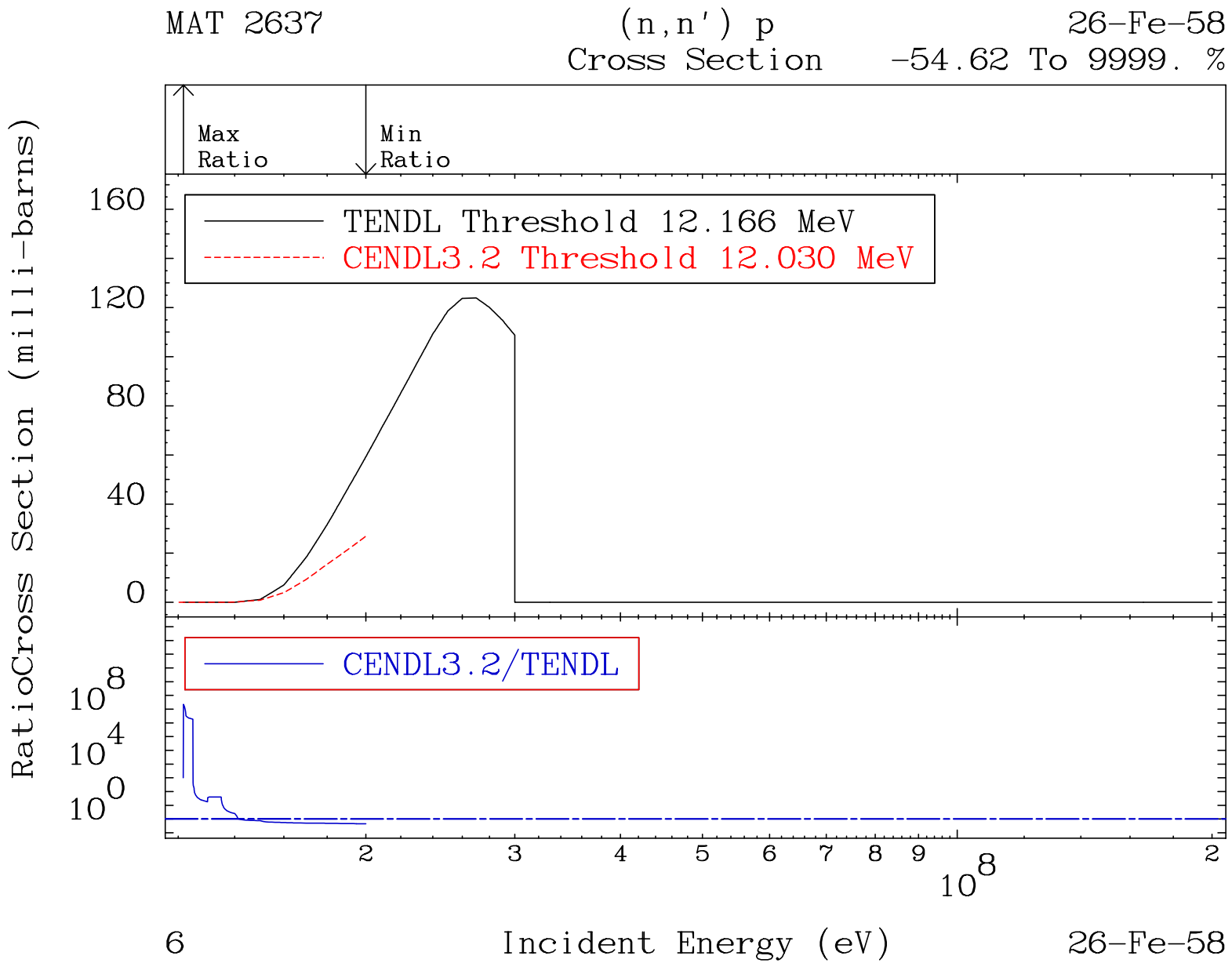

MAT 2637
Total
Cross Section
26-Fe-58
-97.93 To 9999. %
Max
Ratio
Min
Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
1
26-Fe-58

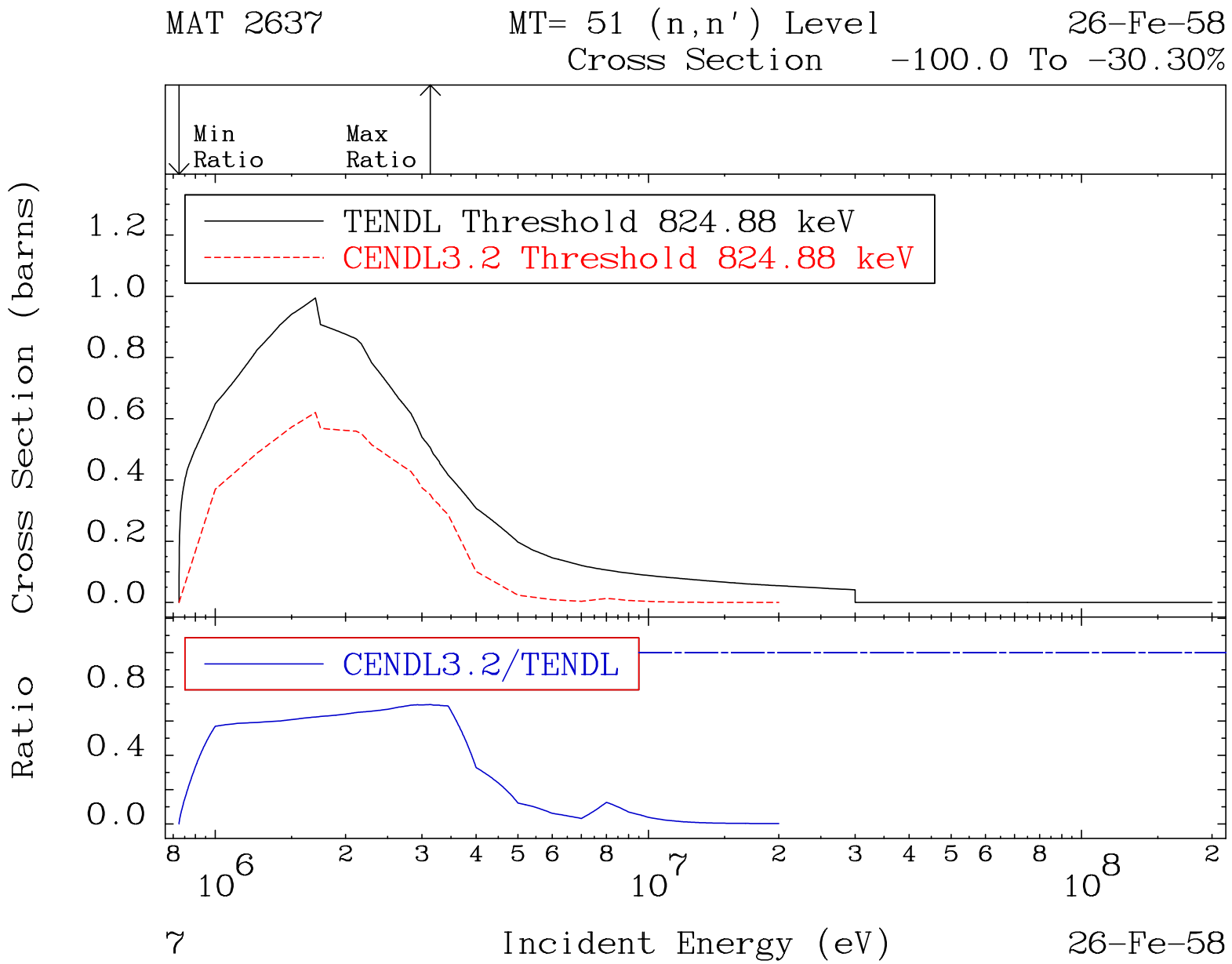

MAT 2637
Elastic
Cross Section
26-Fe-58
-97.94 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
26-Fe-58

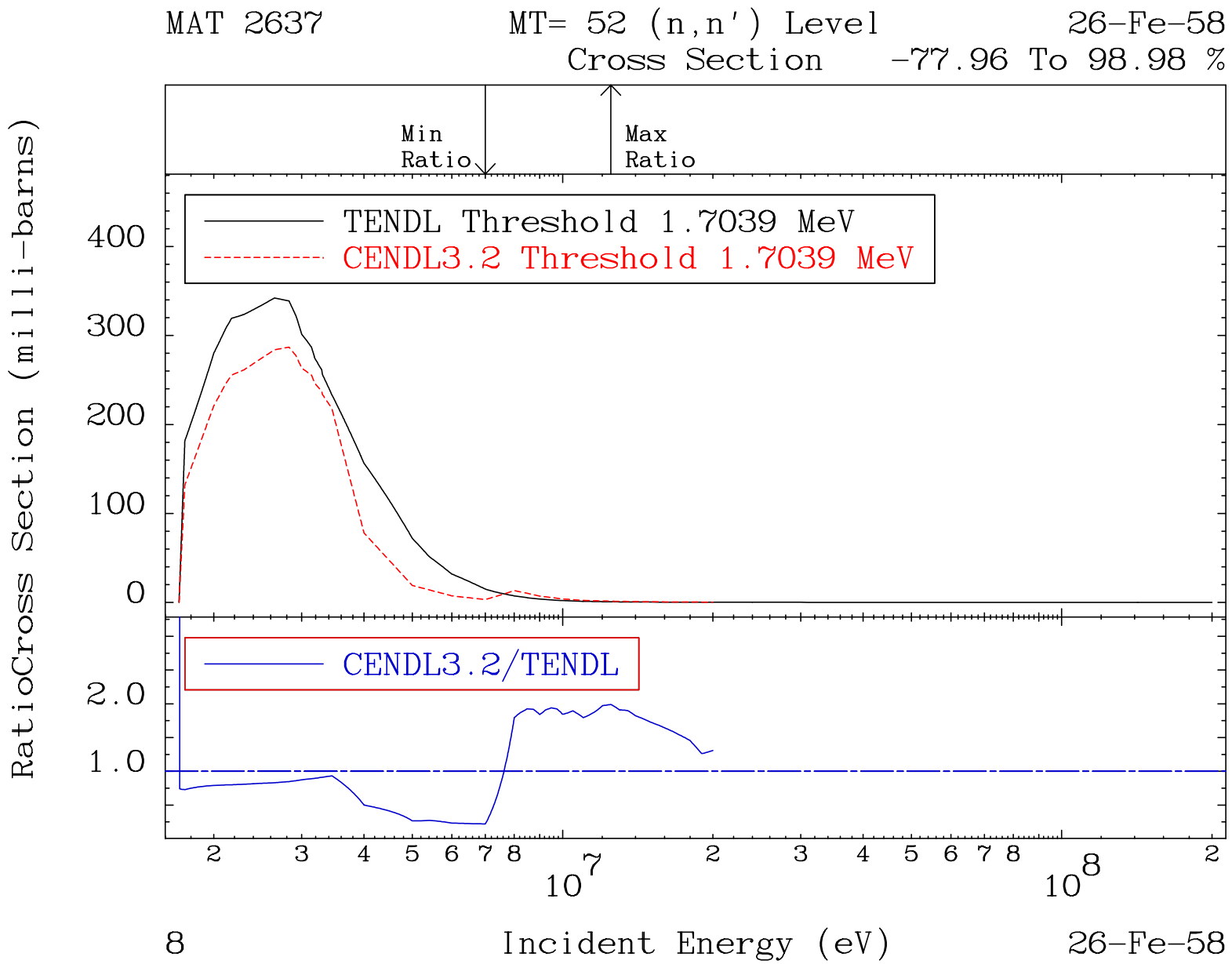

MAT 2637
Inelastic
Cross Section
26-Fe-58
-100.0 To -3.053%
Min Ratio
Max Ratio
TENDL Threshold 824.88 keV
CENDL3.2 Threshold 824.88 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
26-Fe-58

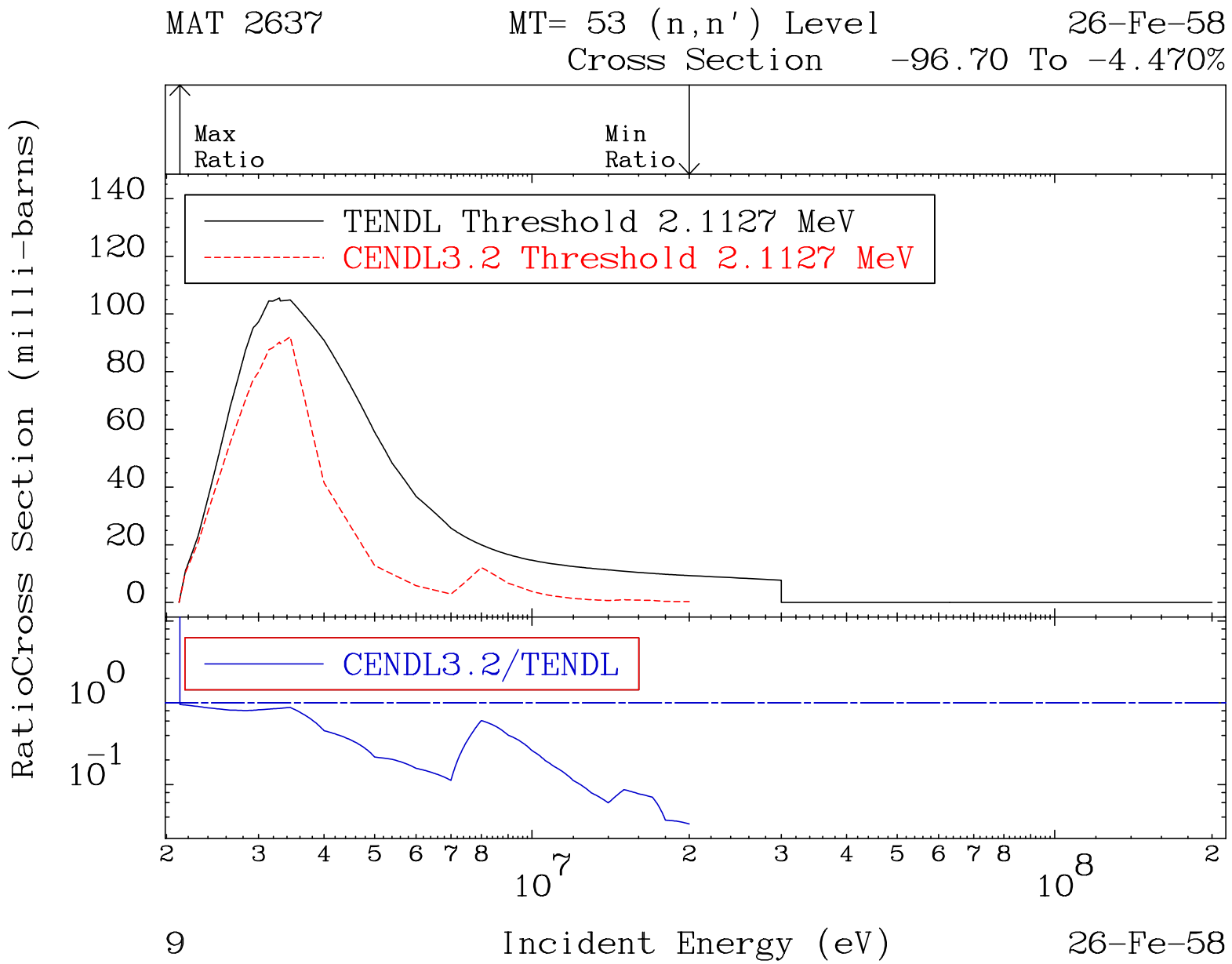

MAT 2637
(n,2n)
26-Fe-58
Cross Section 16.49 To 78.76 %
Min
Ratio
TENDL Threshold 10.219 MeV
CENDL3.2 Threshold 10.218 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
26-Fe-58

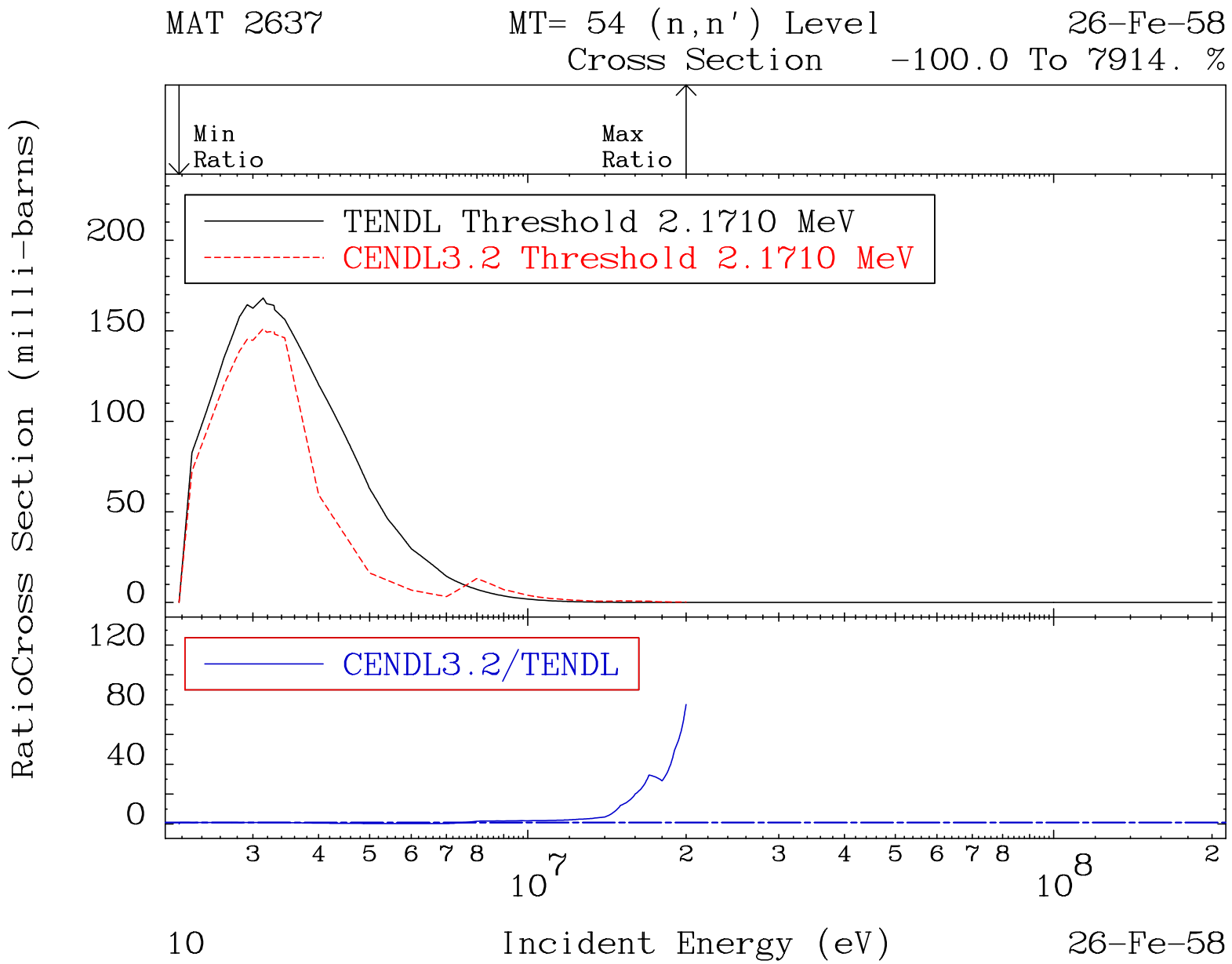

MAT 2637
(n,n') α
Cross Section
26-Fe-58
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.7779 MeV
CENDL3.2 Threshold 7.7809 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
5
Incident Energy (eV)
26-Fe-58

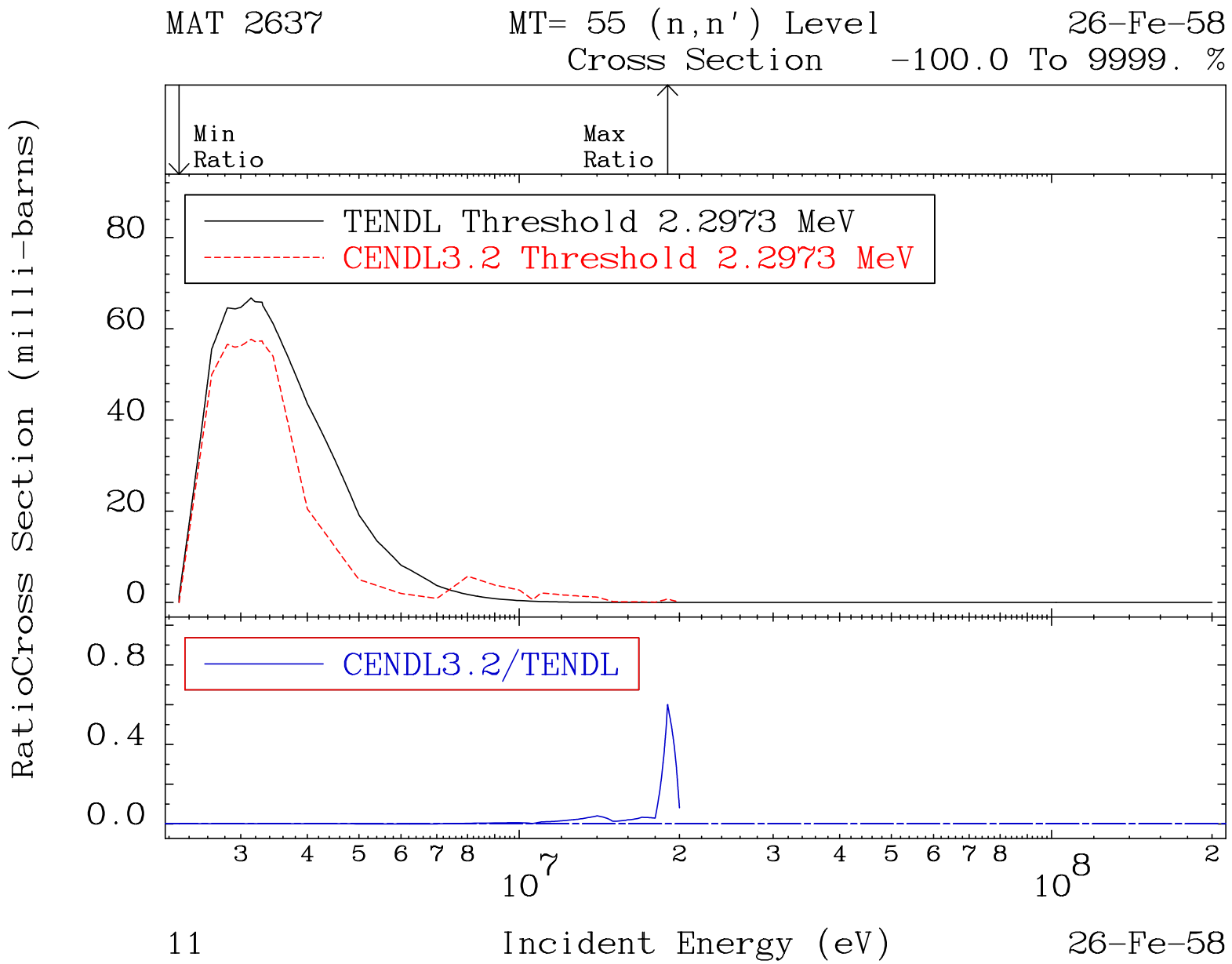

MAT 2637
(n,n') p
Cross Section
26-Fe-58
-54.62 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.166 MeV
CENDL3.2 Threshold 12.030 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^8
10^4
10^0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
26-Fe-58

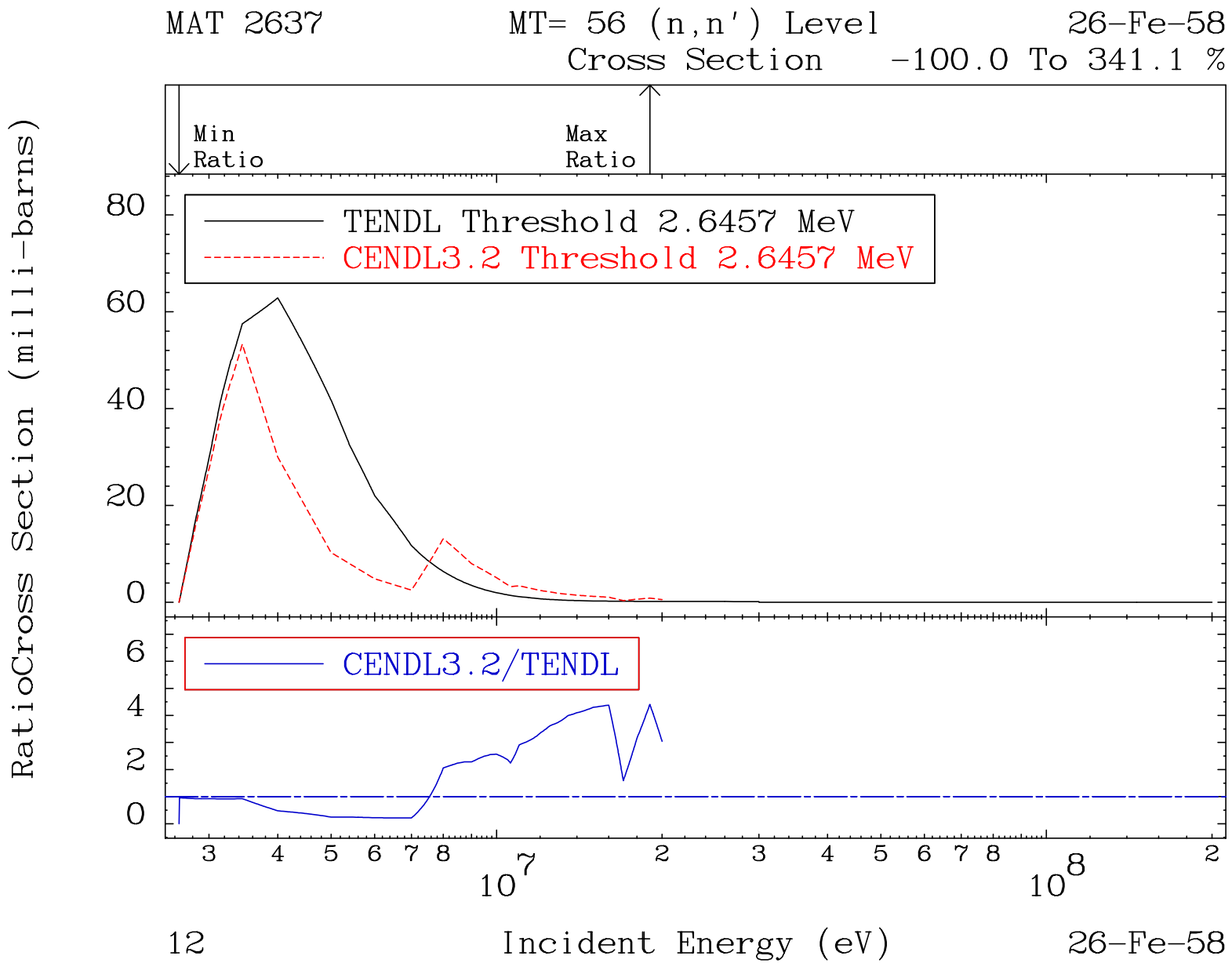

MAT 2637
MT= 51 (n,n') Level
26-Fe-58
Cross Section -100.0 To -30.30%
Min Ratio
Max Ratio
TENDL Threshold 824.88 keV
CENDL3.2 Threshold 824.88 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26-Fe-58

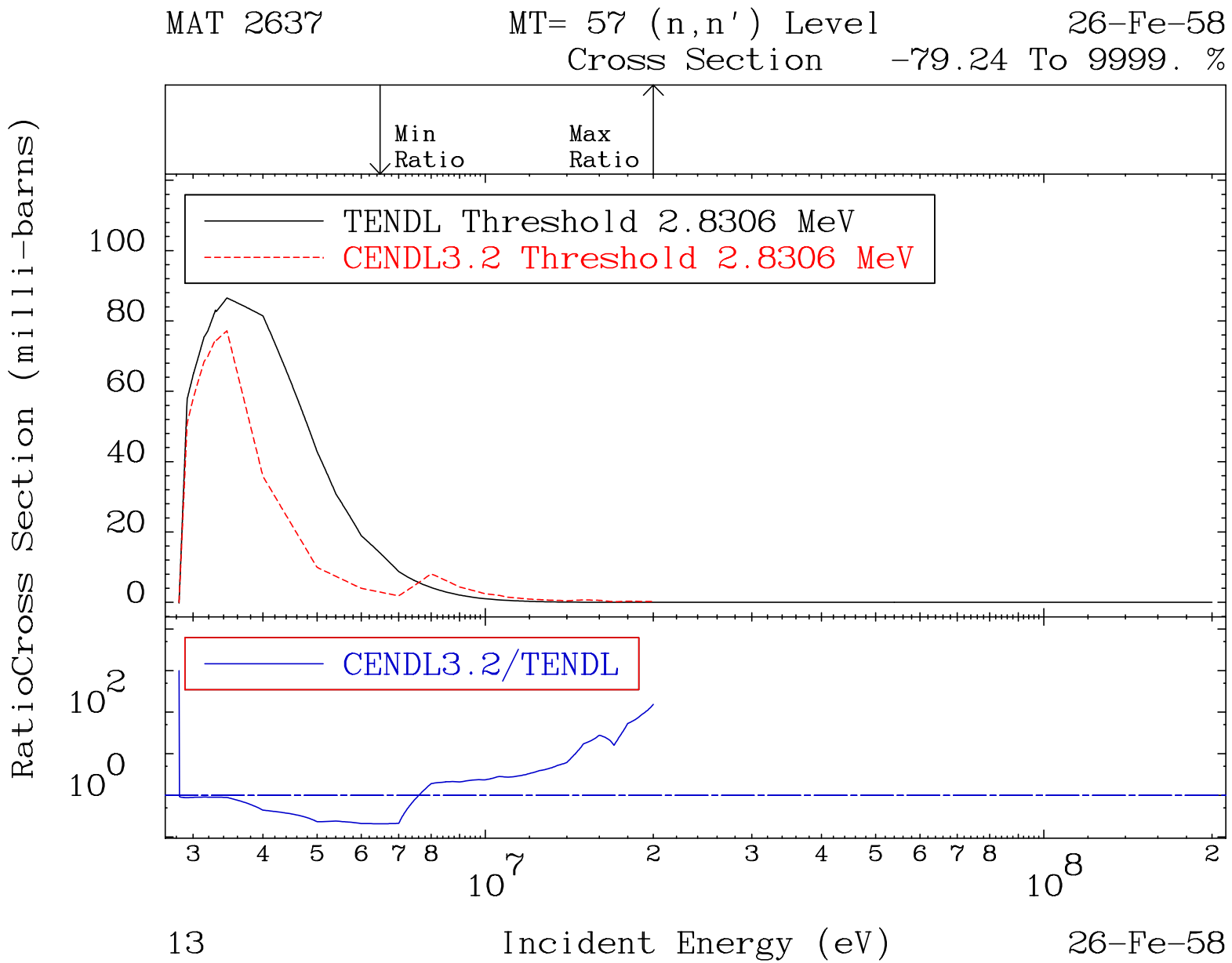

MAT 2637
MT= 52 (n,n') Level
26-Fe-58
Cross Section
-77.96 To 98.98 %
Min Ratio
Max Ratio
TENDL Threshold 1.7039 MeV
CENDL3.2 Threshold 1.7039 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
8
Incident Energy (eV)
26-Fe-58

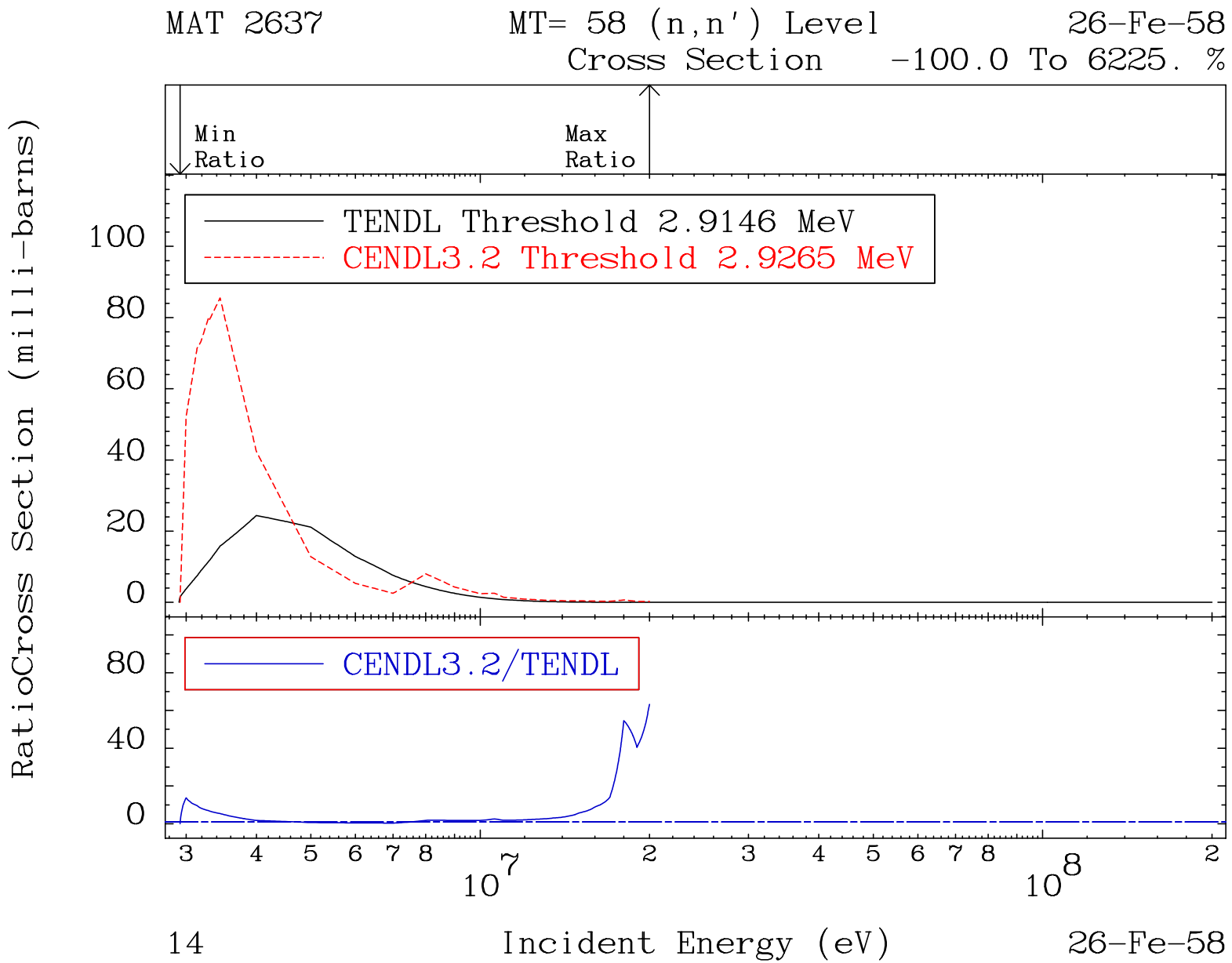

MAT 2637
MT= 53 (n,n') Level
Cross Section
26-Fe-58
-96.70 To -4.470%
Max Ratio
Min Ratio
TENDL Threshold 2.1127 MeV
CENDL3.2 Threshold 2.1127 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^{0}
10^{-1}
2 3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
Incident Energy (eV)
9
26-Fe-58

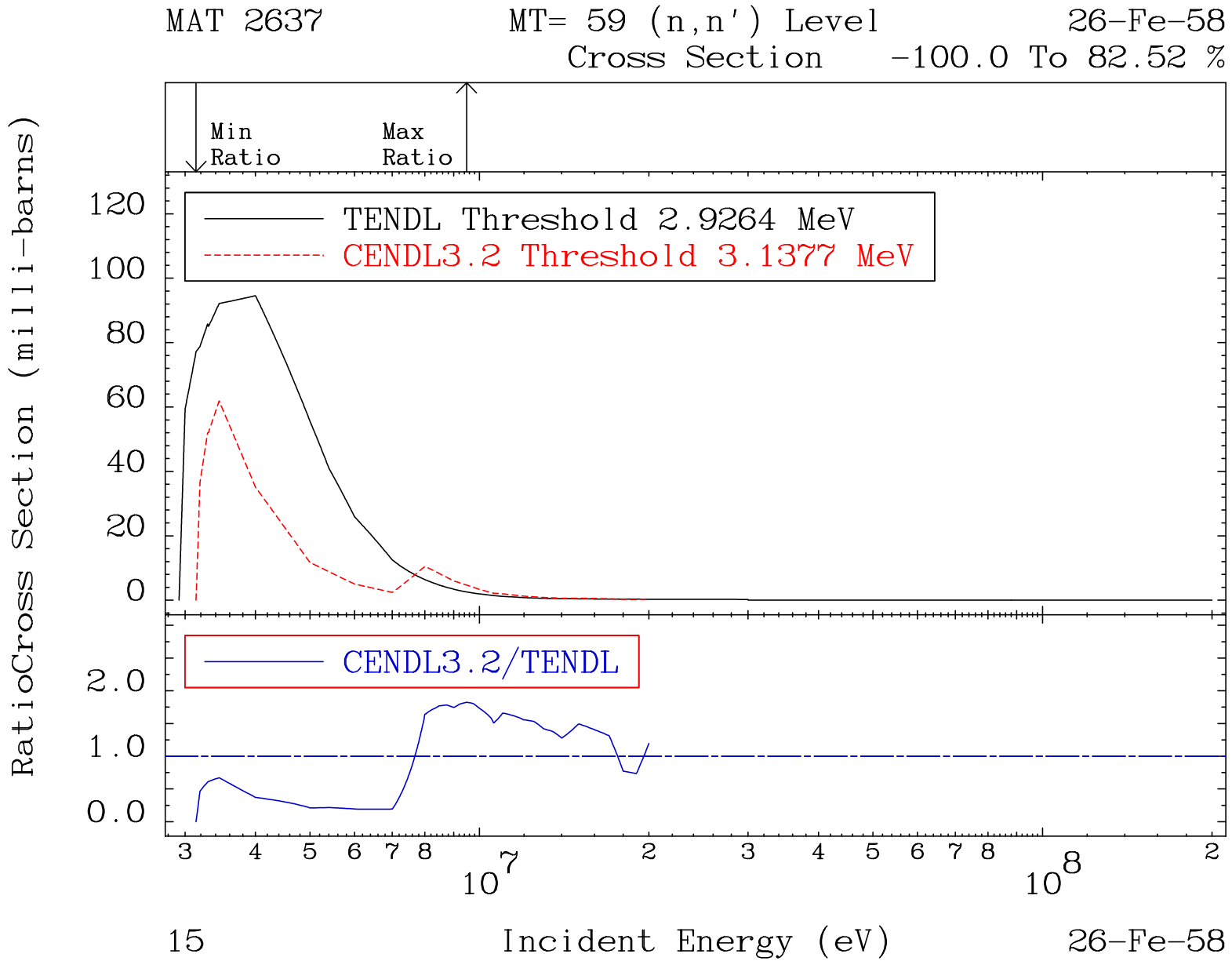

MAT 2637
MT= 54 (n,n') Level
26-Fe-58
Cross Section -100.0 To 7914. %
Min Ratio
Max Ratio
TENDL Threshold 2.1710 MeV
CENDL3.2 Threshold 2.1710 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
120
80
40
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
26-Fe-58

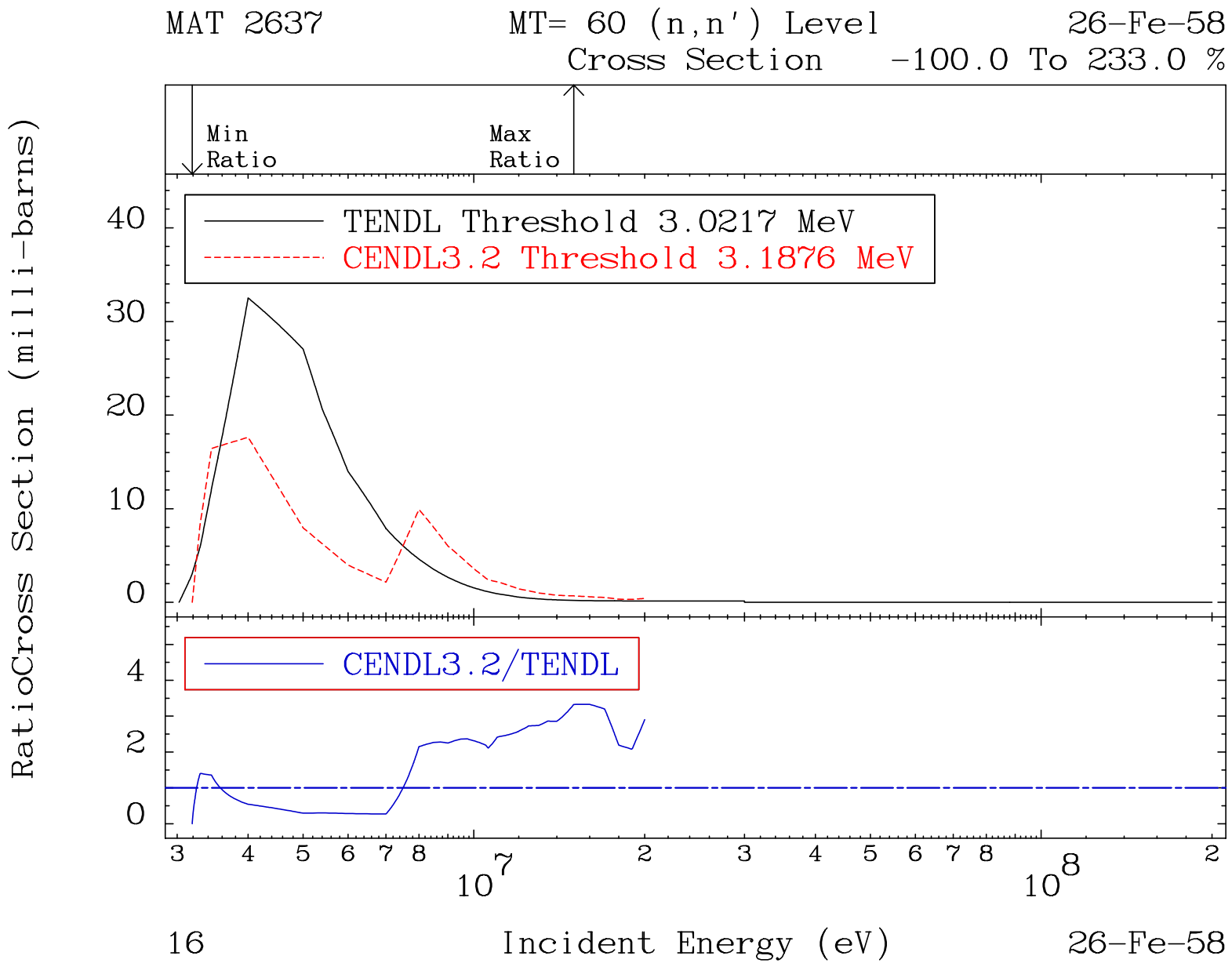

MAT 2637
MT= 55 (n,n') Level
26-Fe-58
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2973 MeV
CENDL3.2 Threshold 2.2973 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
26-Fe-58

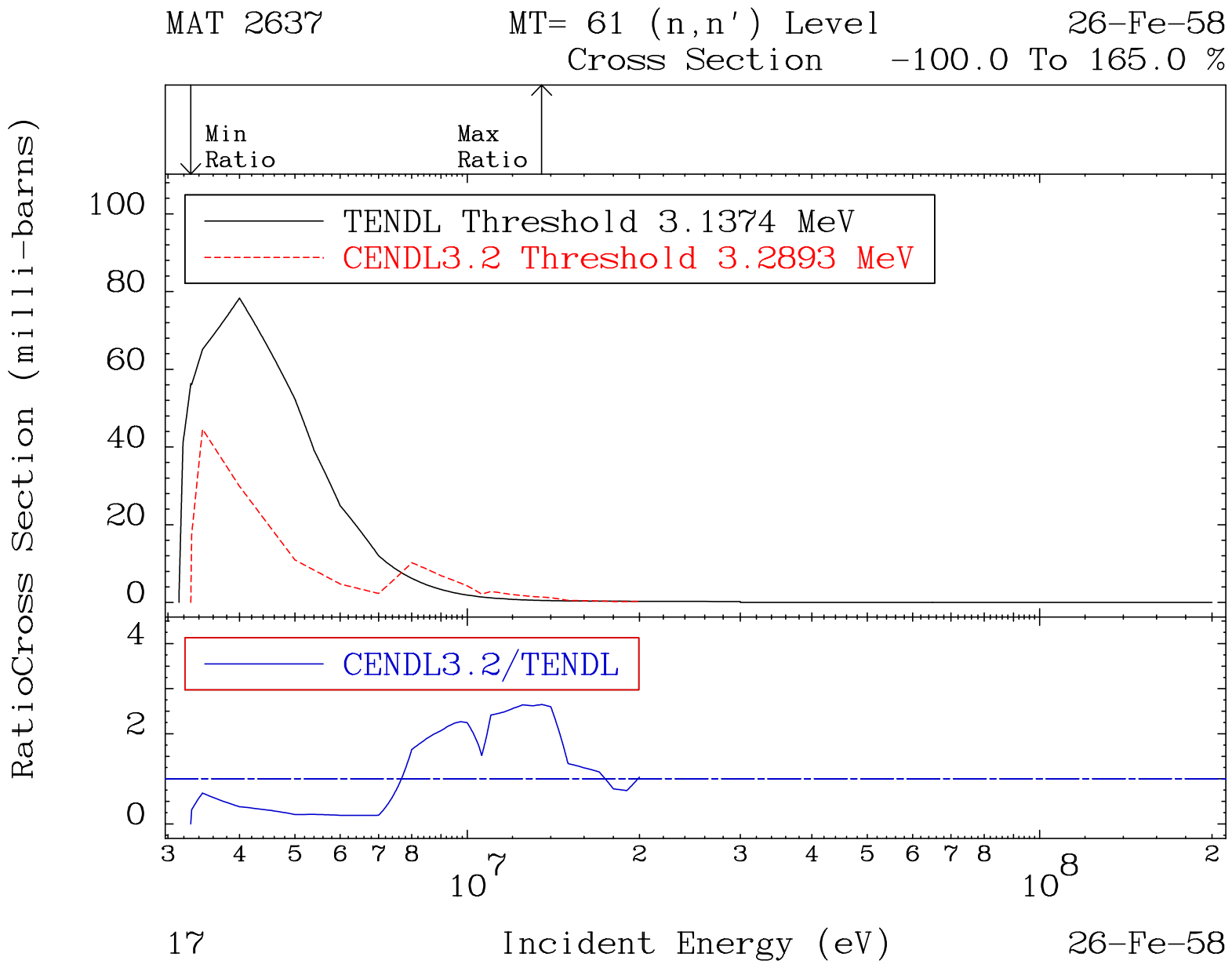

MAT 2637
MT= 56 (n,n') Level
26-Fe-58
Cross Section -100.0 To 341.1 %
Min Ratio
Max Ratio
TENDL Threshold 2.6457 MeV
CENDL3.2 Threshold 2.6457 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
26-Fe-58

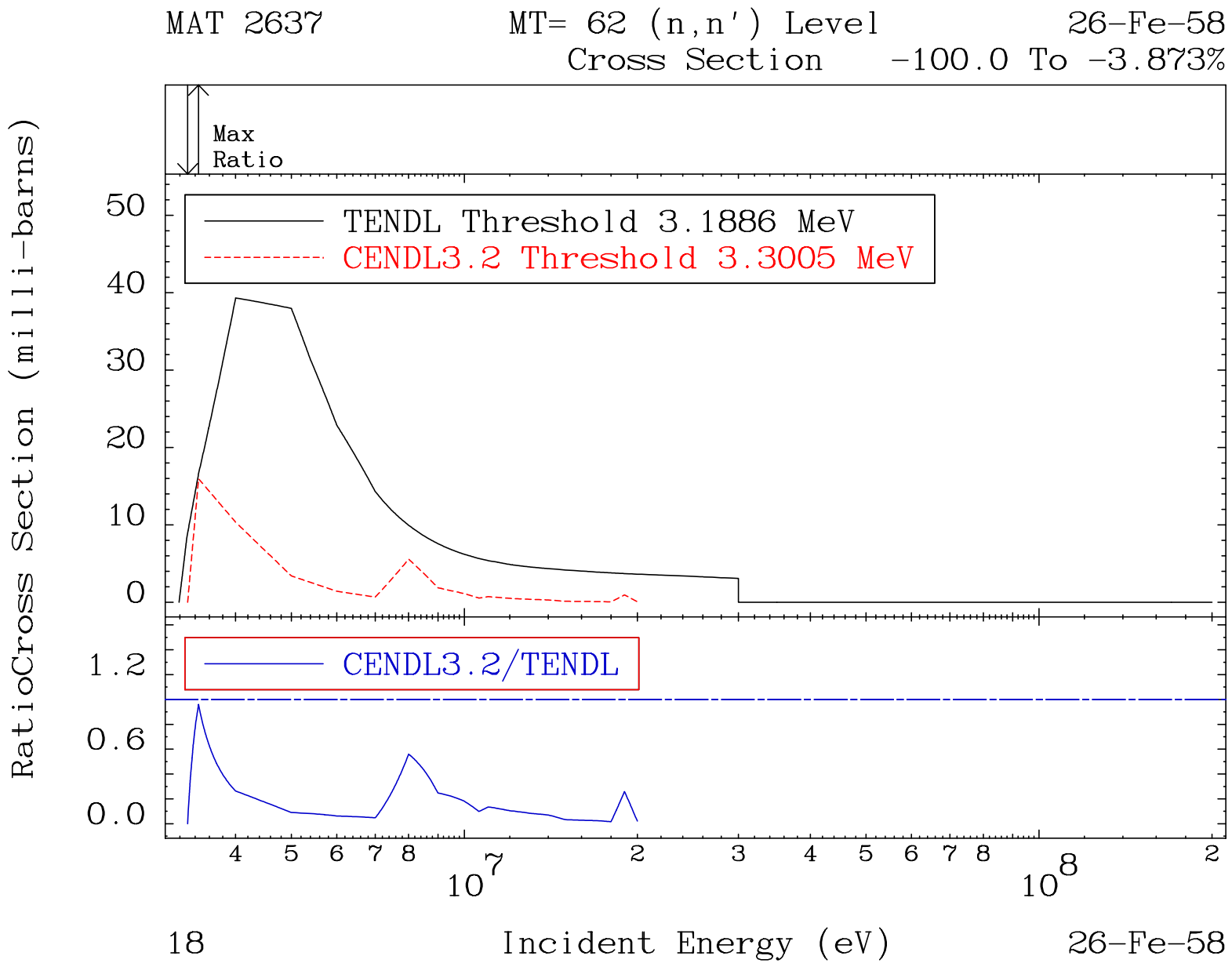

MAT 2637
MT= 57 (n,n') Level
26-Fe-58
Cross Section -79.24 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8306 MeV
CENDL3.2 Threshold 2.8306 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^2
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
26-Fe-58

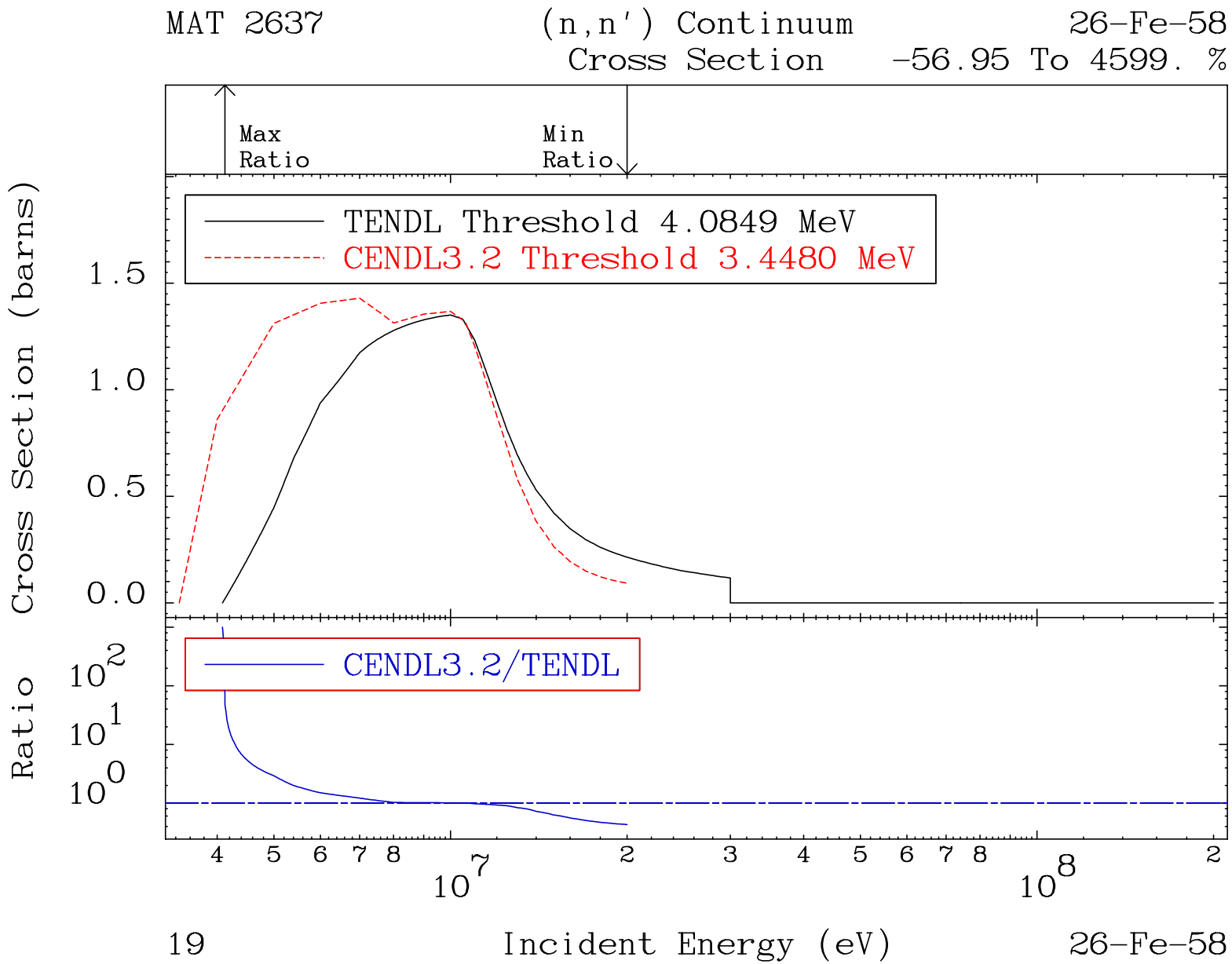

MAT 2637
MT= 58 (n,n') Level
26-Fe-58
Cross Section -100.0 To 6225. %
Min Ratio
Max Ratio
TENDL Threshold 2.9146 MeV
CENDL3.2 Threshold 2.9265 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
80
40
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
26-Fe-58

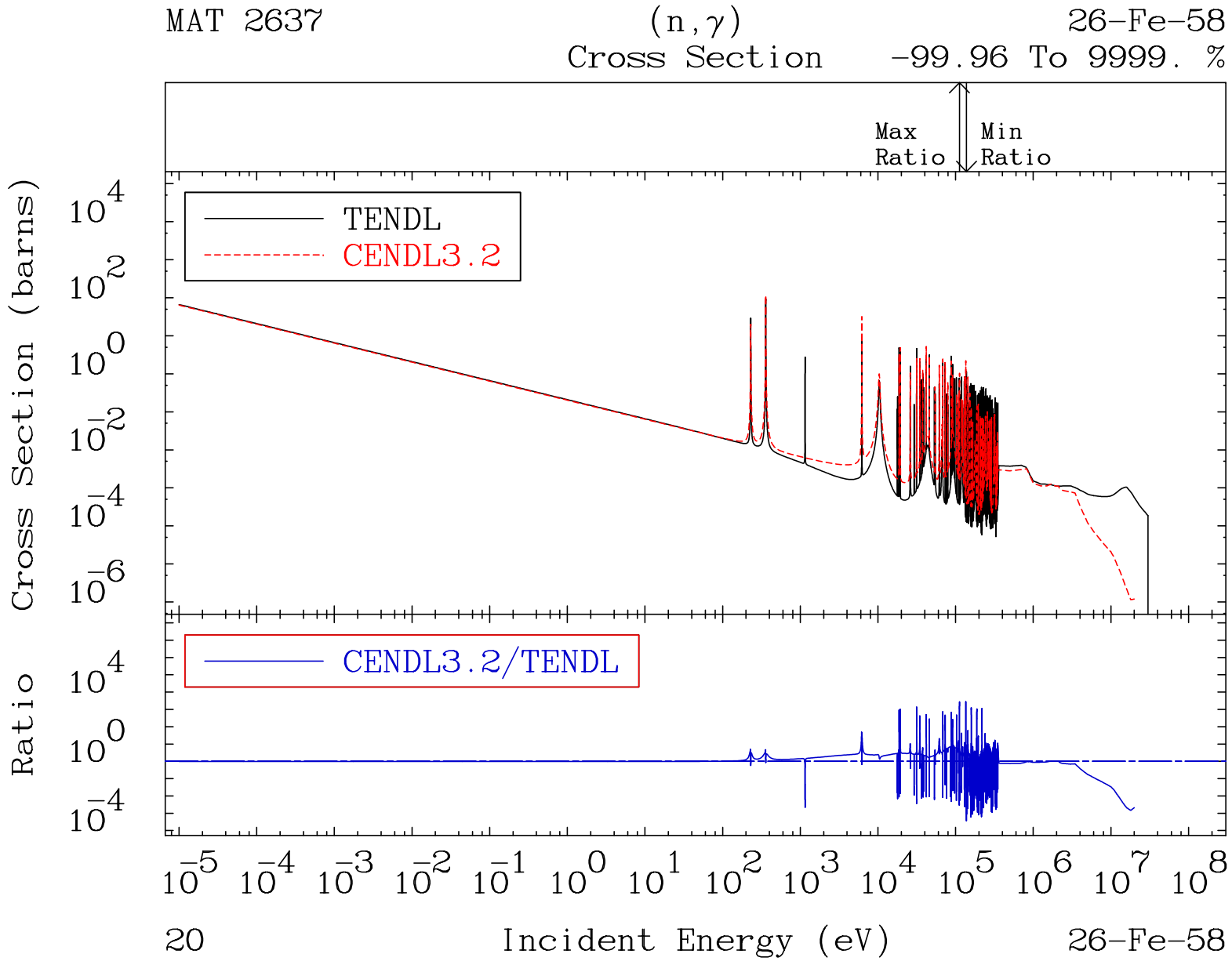

MAT 2637
MT= 59 (n,n') Level
26-Fe-58
Cross Section
-100.0 To 82.52 %
Min Ratio
Max Ratio
TENDL Threshold 2.9264 MeV
CENDL3.2 Threshold 3.1377 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
15
26-Fe-58

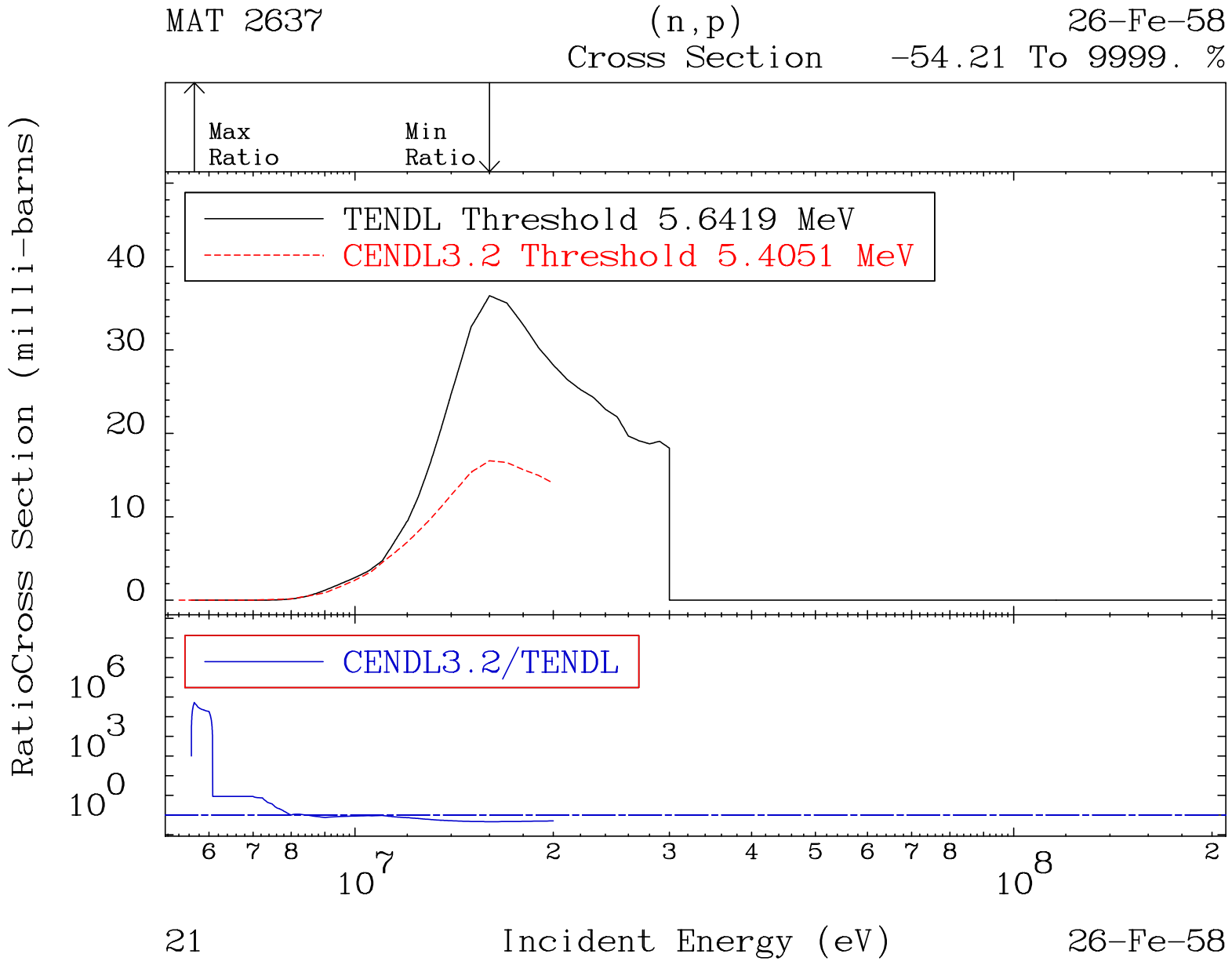

MAT 2637
MT= 60 (n,n') Level
26-Fe-58
Cross Section -100.0 To 233.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.0217 MeV
CENDL3.2 Threshold 3.1876 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
26-Fe-58

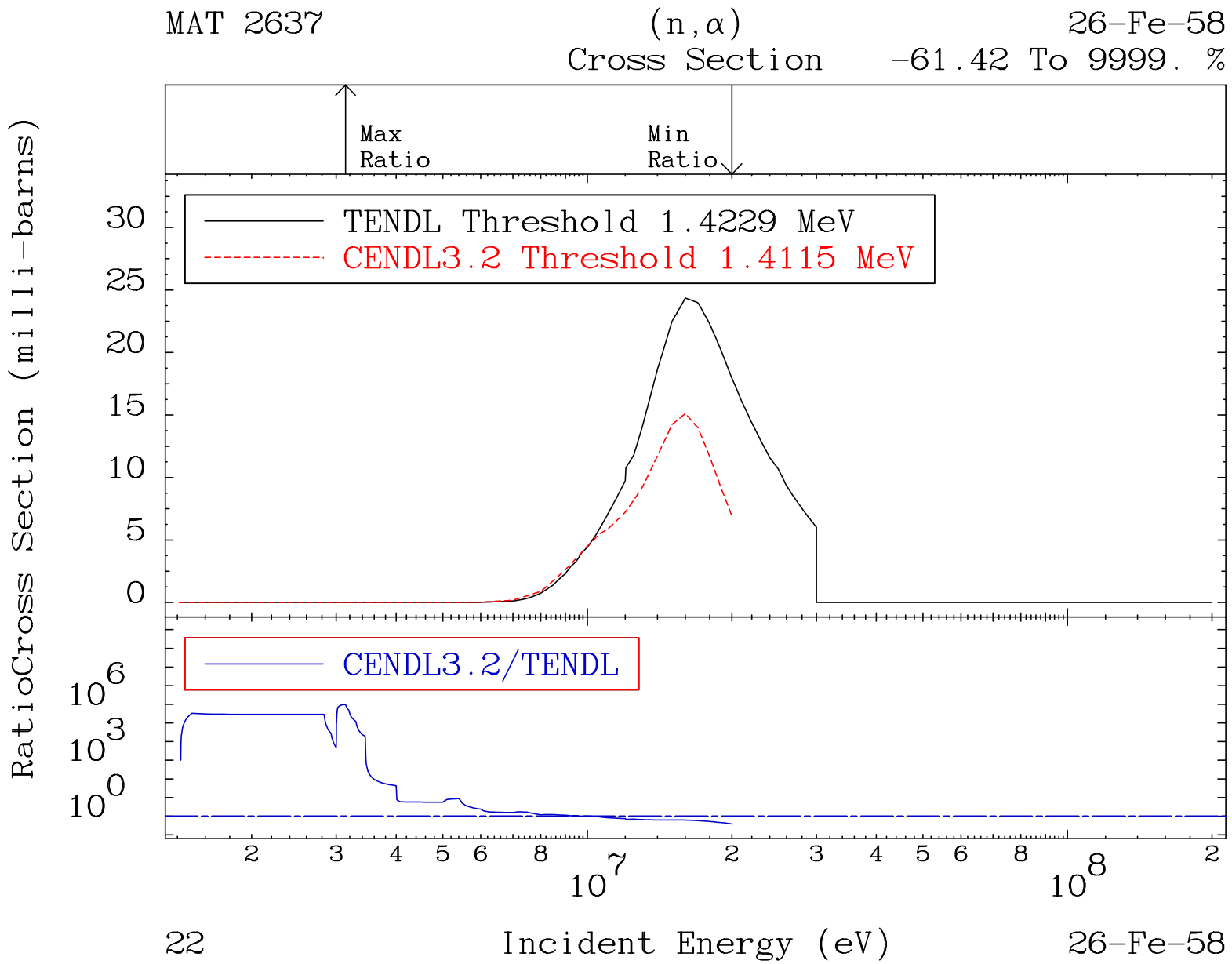

MAT 2637
MT= 61 (n,n') Level
26-Fe-58
Cross Section -100.0 To 165.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.1374 MeV
CENDL3.2 Threshold 3.2893 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
26-Fe-58

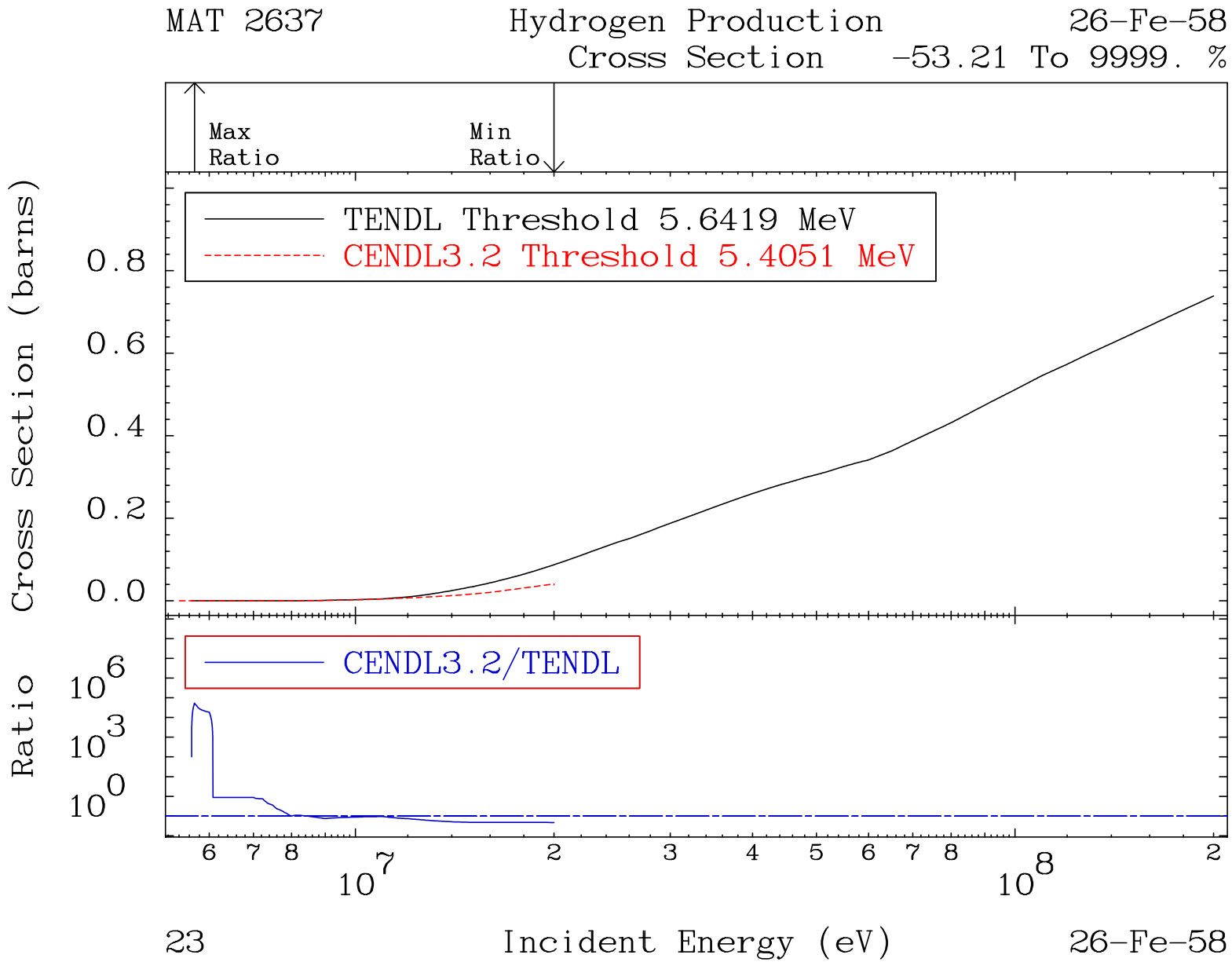

MAT 2637
MT= 62 (n,n') Level
26-Fe-58
Cross Section -100.0 To -3.873%
Max
Ratio
TENDL Threshold 3.1886 MeV
CENDL3.2 Threshold 3.3005 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
26-Fe-58

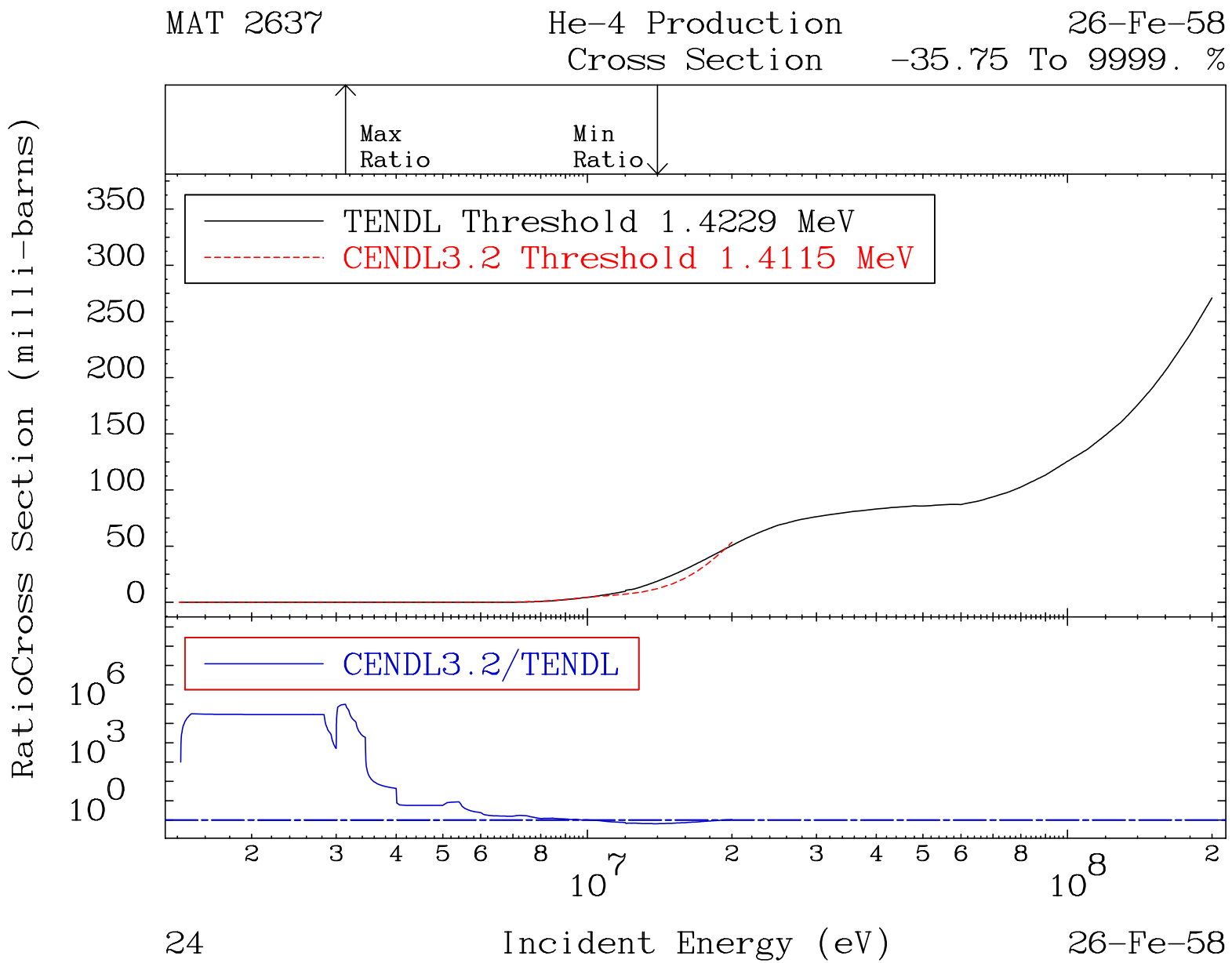

MAT 2637
(n,n') Continuum
Cross Section
26-Fe-58
-56.95 To 4599. %
Max Ratio
Min Ratio
TENDL Threshold 4.0849 MeV
CENDL3.2 Threshold 3.4480 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
10^2
10^1
10^0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
26-Fe-58

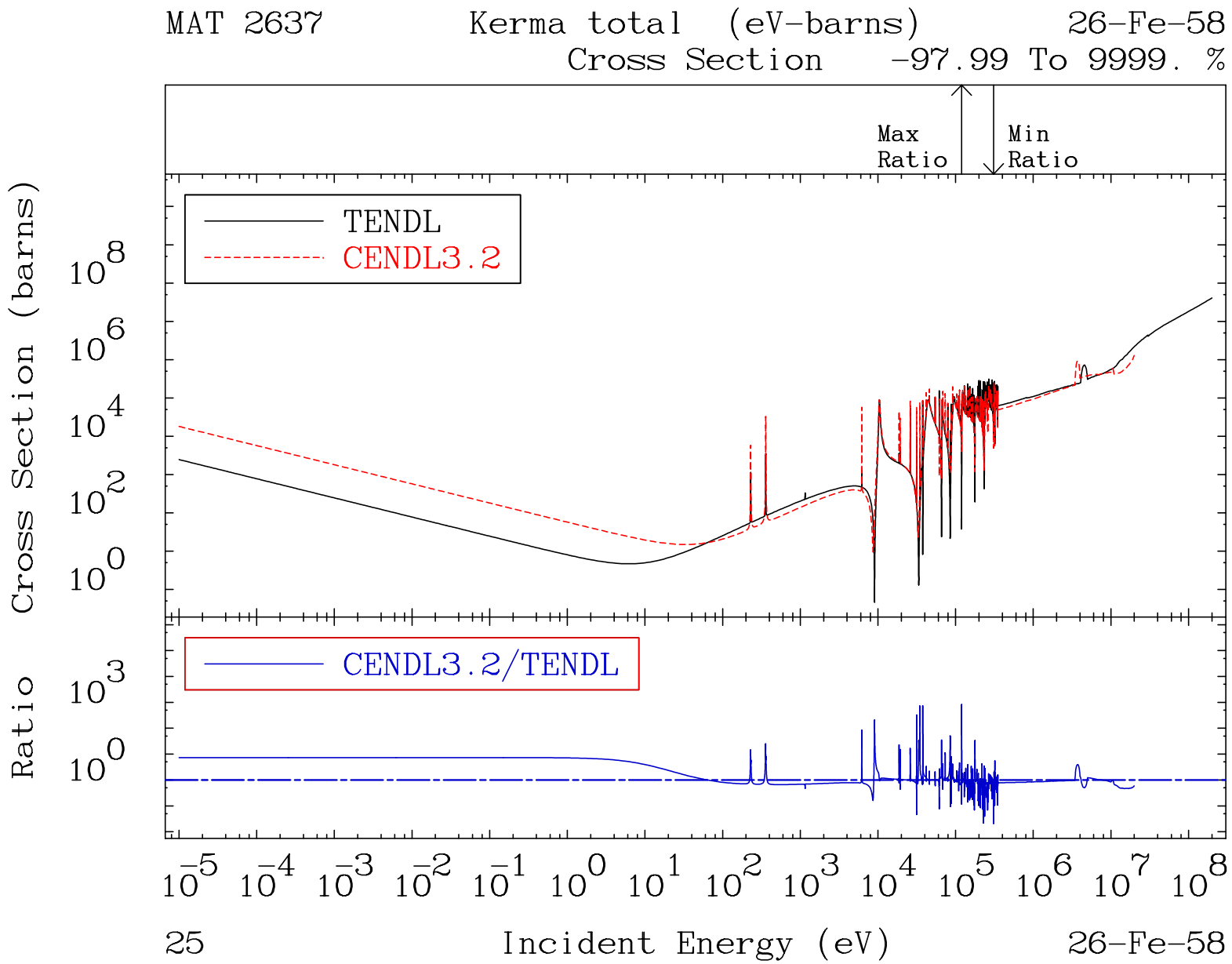

MAT 2637
(n,γ)
Cross Section
26-Fe-58
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
20
26-Fe-58

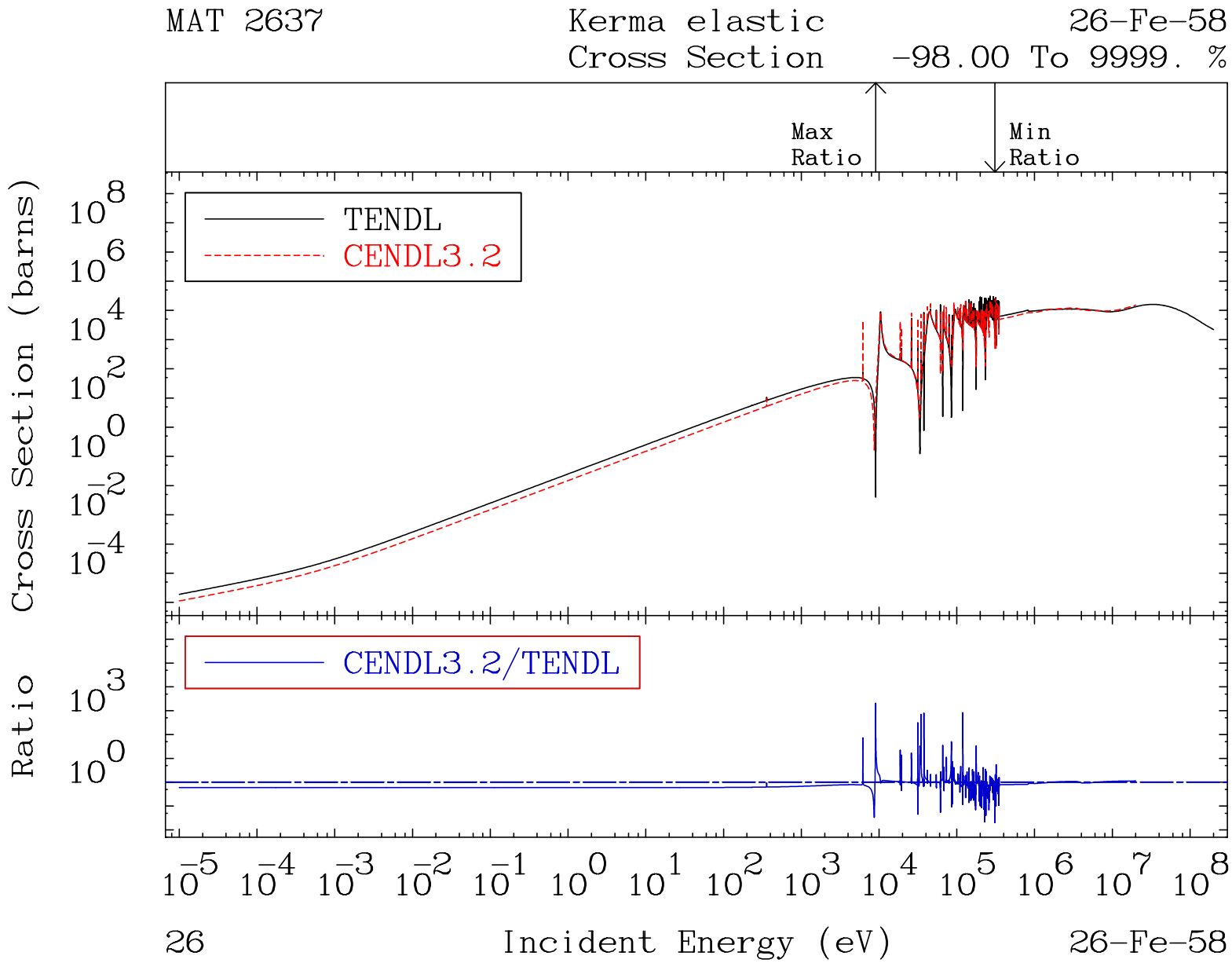

MAT 2637
(n,p)
Cross Section
26-Fe-58
-54.21 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.6419 MeV
CENDL3.2 Threshold 5.4051 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^6
10^3
10^0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
26-Fe-58

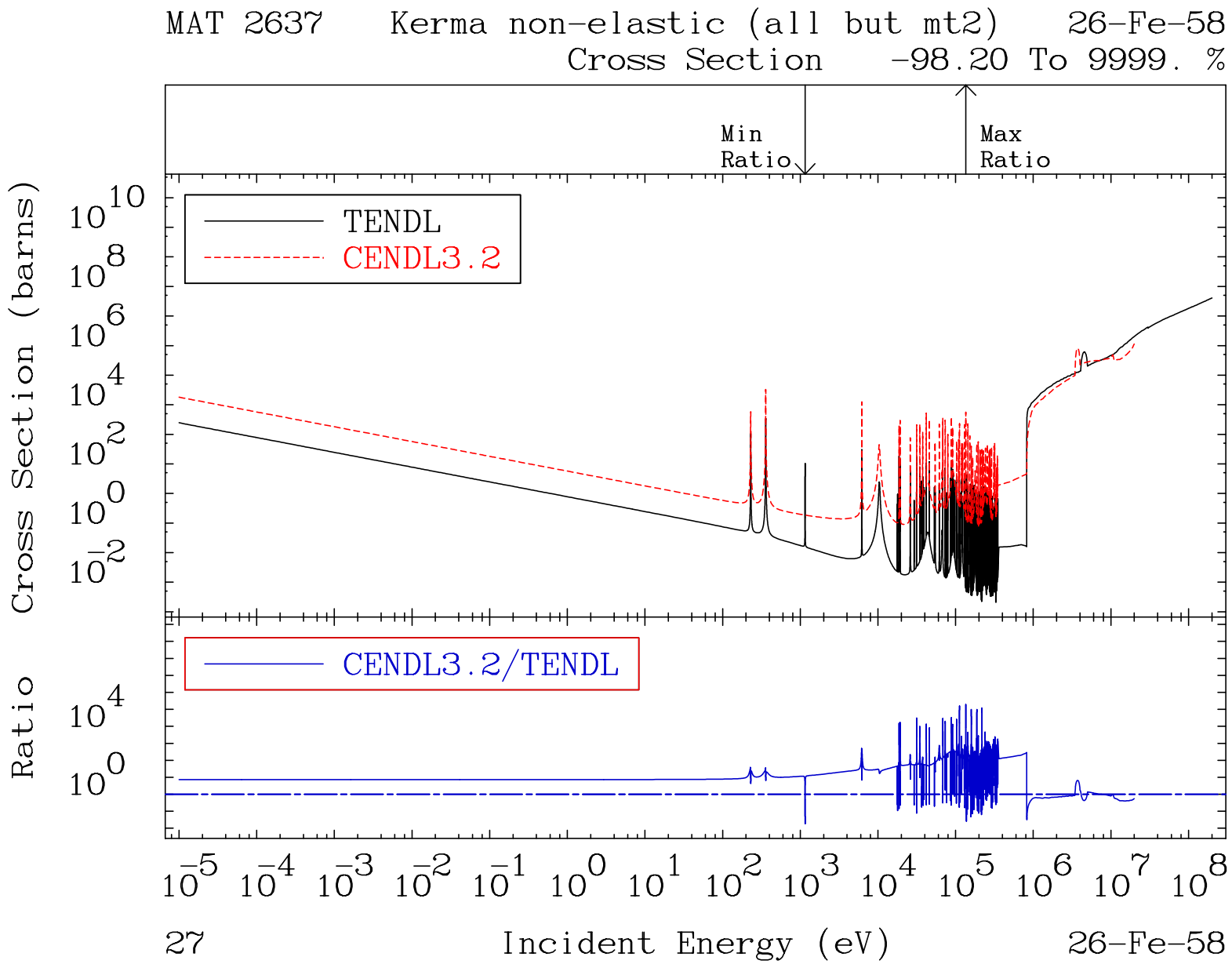

MAT 2637
(n,α)
26-Fe-58
Cross Section
-61.42 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4229 MeV
CENDL3.2 Threshold 1.4115 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
26-Fe-58

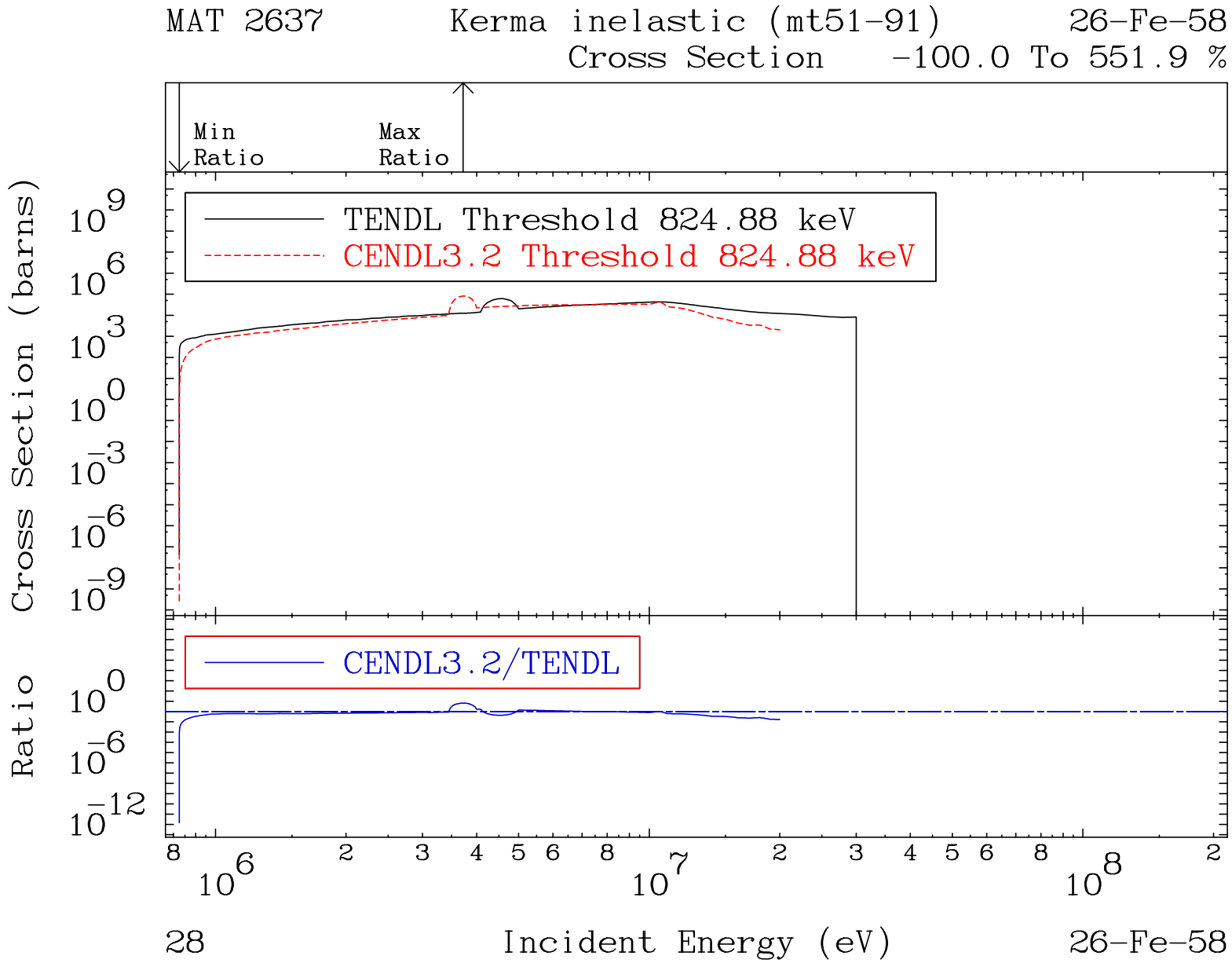

MAT 2637
Hydrogen Production
26-Fe-58
Cross Section -53.21 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.6419 MeV
CENDL3.2 Threshold 5.4051 MeV
Cross Section (barns)
0.8
0.6
0.4
0.2
0.0
CENDL3.2/TENDL
Ratio
10^6
10^3
10^0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
26-Fe-58

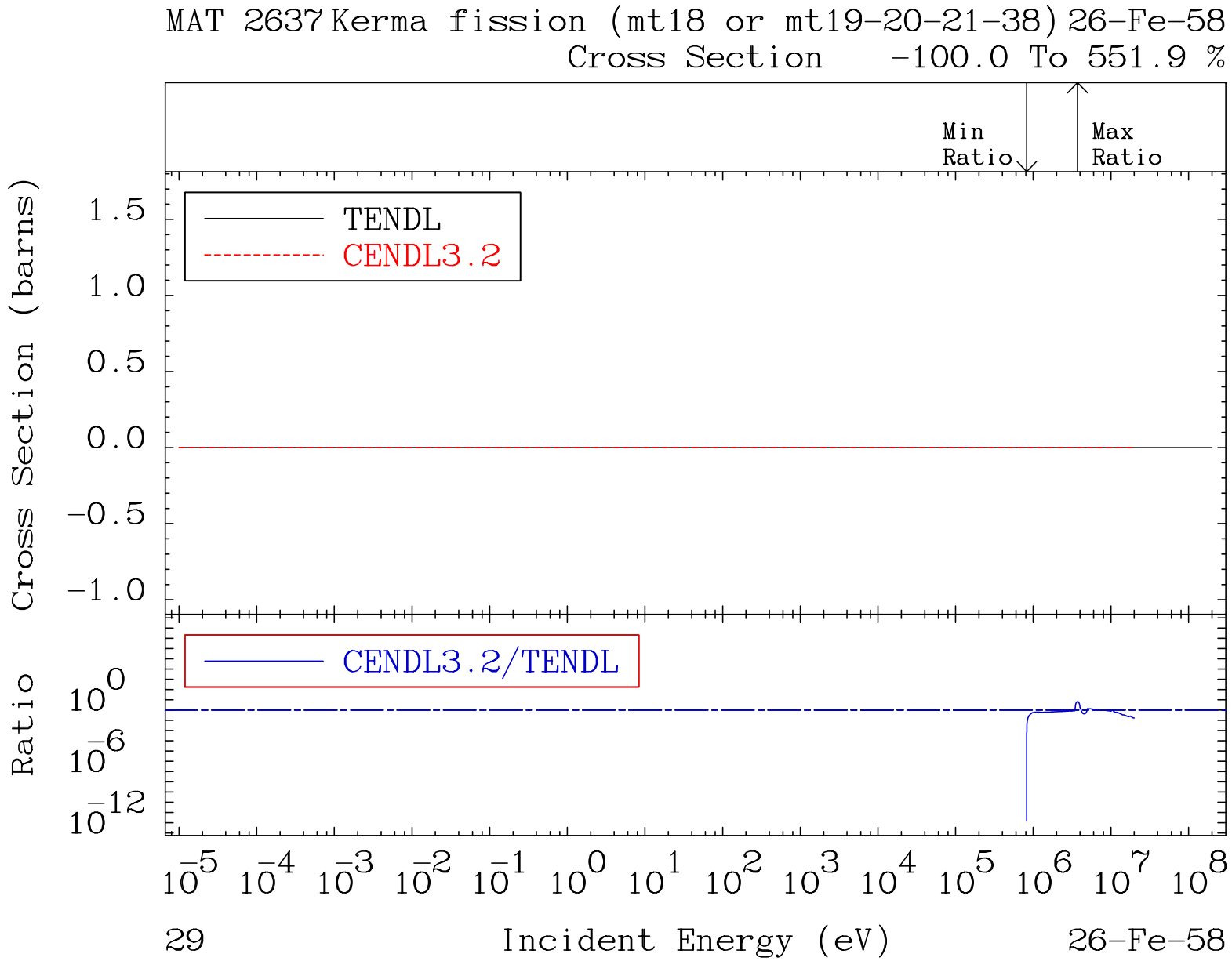

MAT 2637
He-4 Production
Cross Section
26-Fe-58
-35.75 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4229 MeV
CENDL3.2 Threshold 1.4115 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^6
10^3
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
24
26-Fe-58

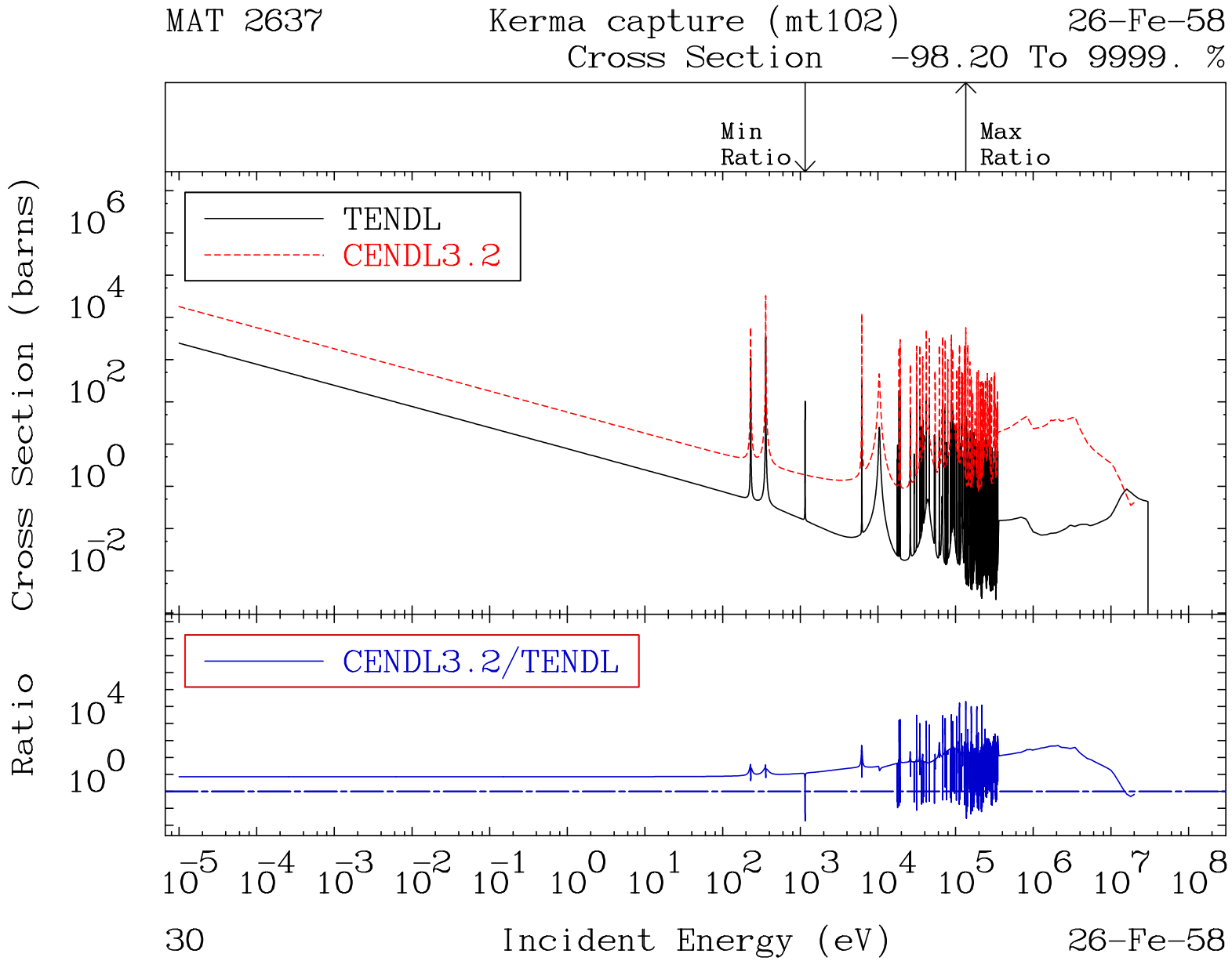

MAT 2637
Kerma total (eV-barns)
26-Fe-58
Cross Section -97.99 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
25
26-Fe-58

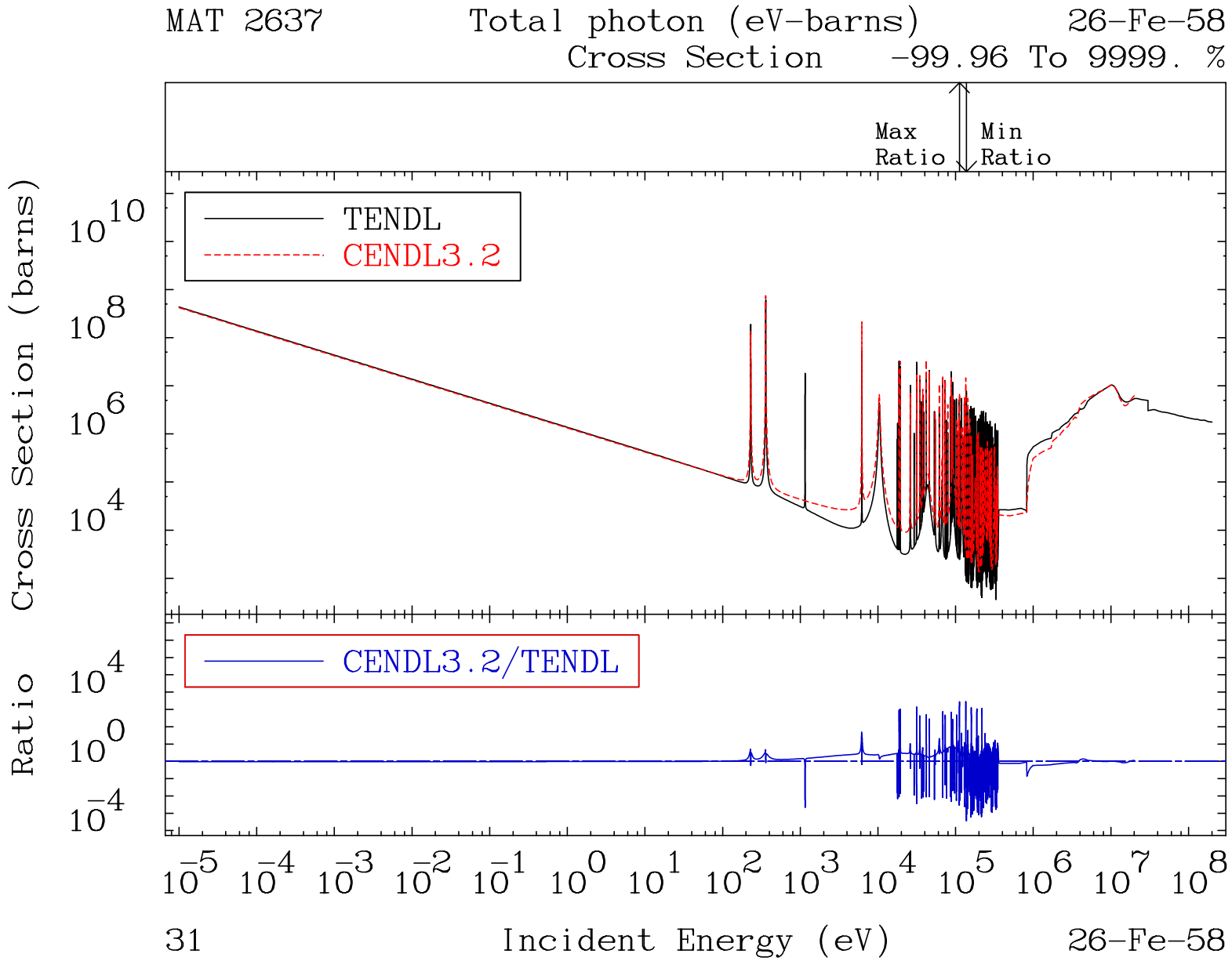

MAT 2637
Kerma elastic
Cross Section
26-Fe-58
-98.00 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
26-Fe-58

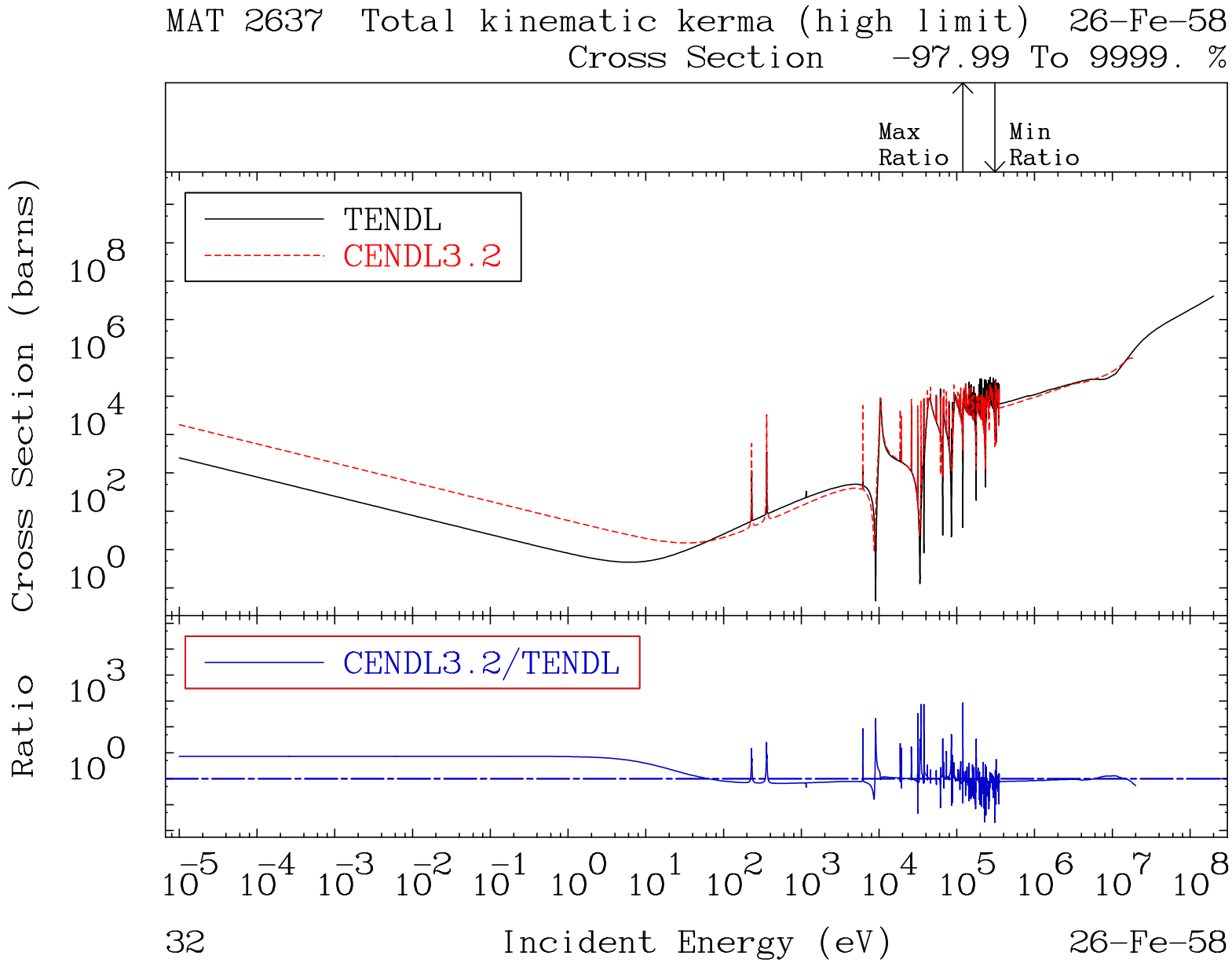

MAT 2637 Kerma non-elastic (all but mt2) 26-Fe-58
Cross Section -98.20 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
27
26-Fe-58

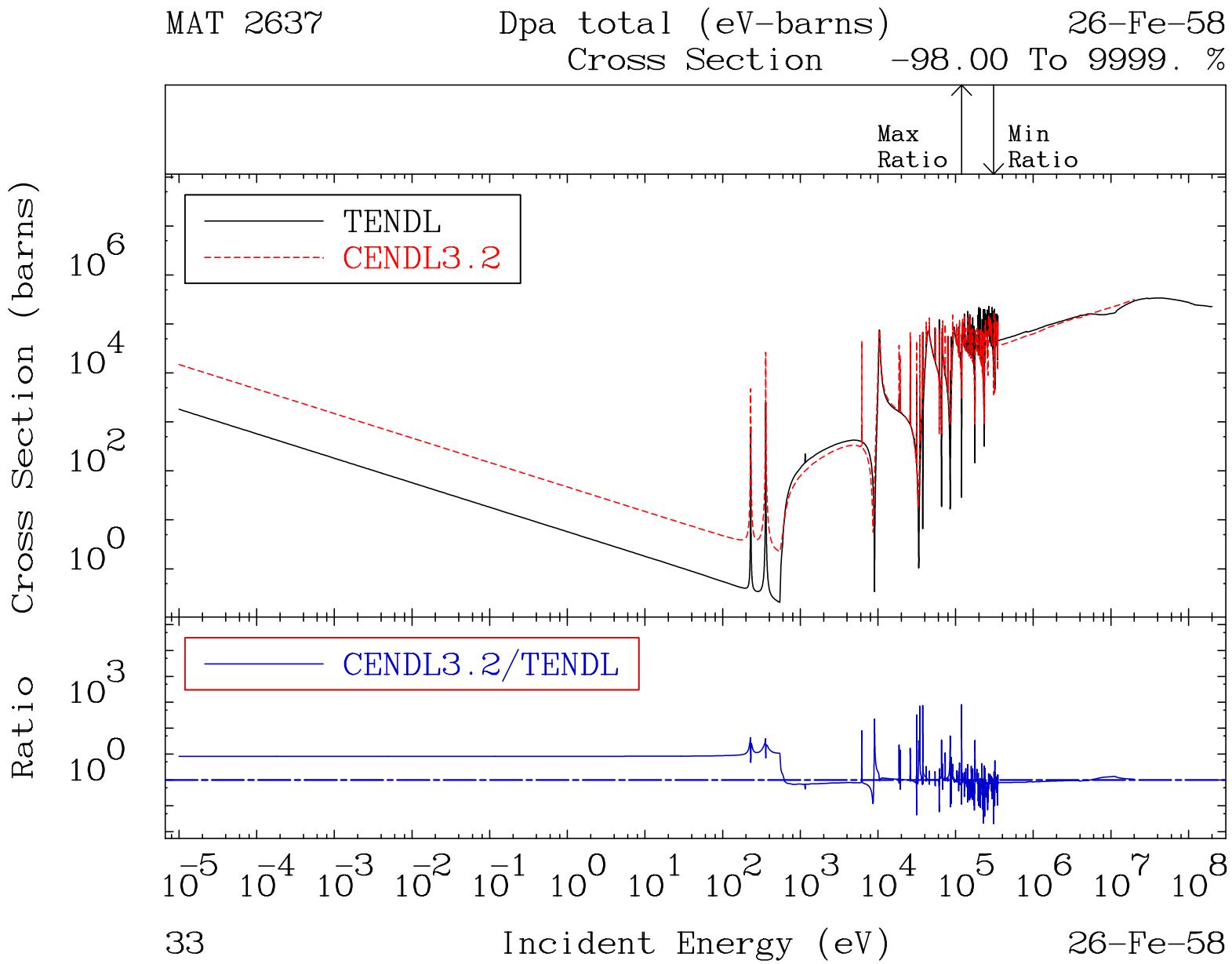

MAT 2637
Kerma inelastic (mt51-91)
26-Fe-58
Cross Section -100.0 To 551.9 %
Min Ratio
Max Ratio
TENDL Threshold 824.88 keV
CENDL3.2 Threshold 824.88 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
26-Fe-58

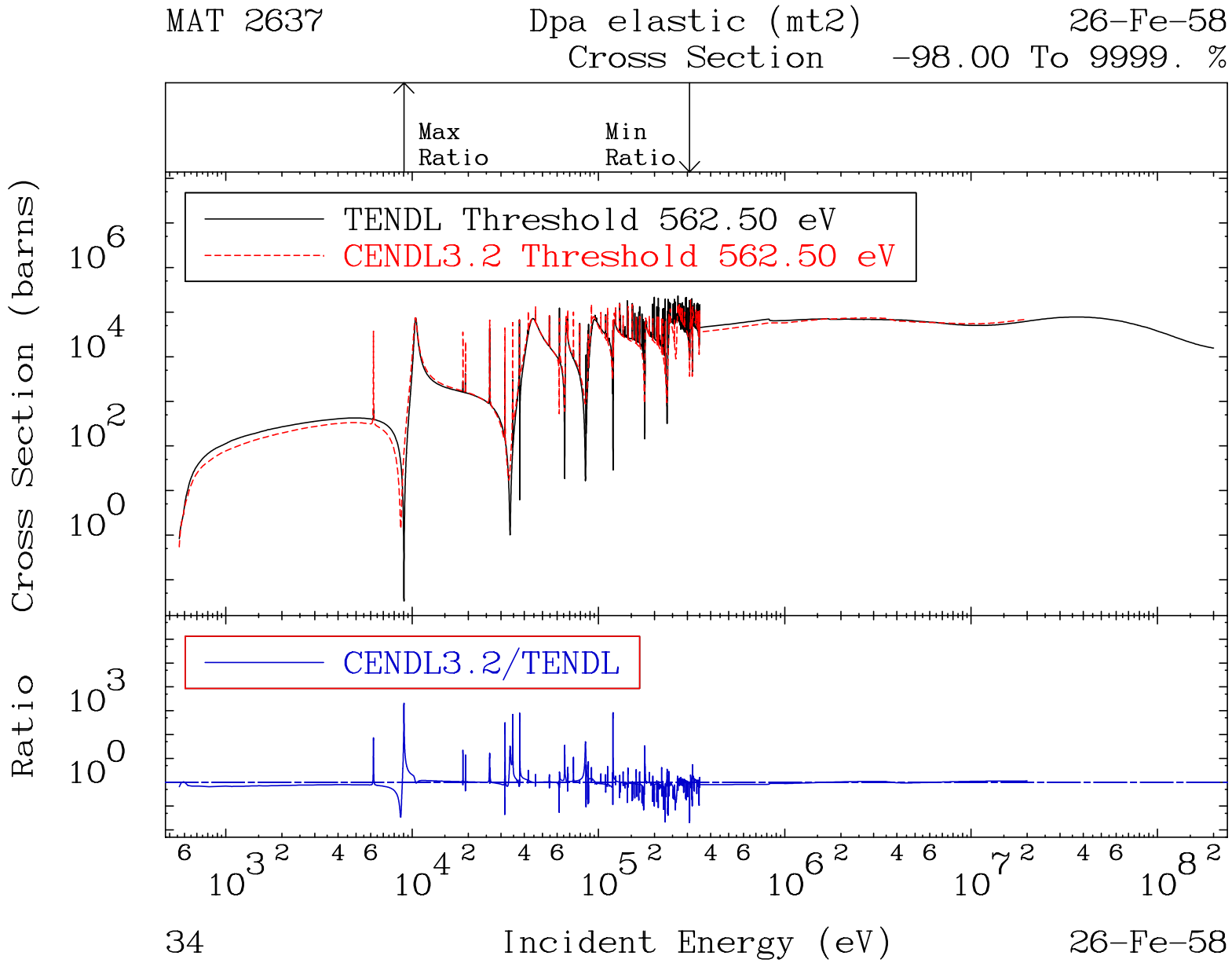

MAT 2637 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-58
Cross Section -100.0 To 551.9 %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-6}
10^{-12}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
29
Incident Energy (eV)
26-Fe-58

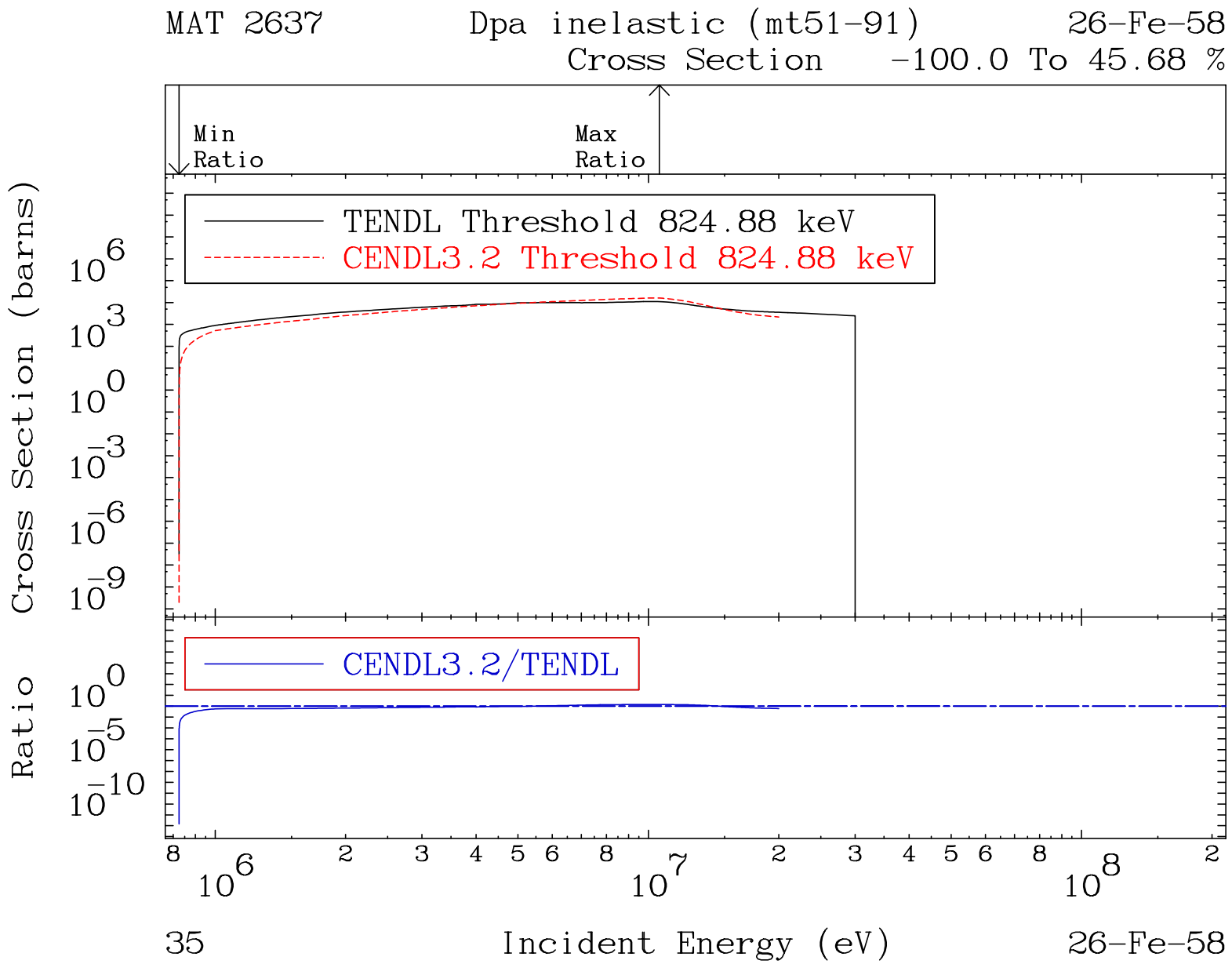

MAT 2637
Kerma capture (mt102)
26-Fe-58
Cross Section -98.20 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
26-Fe-58

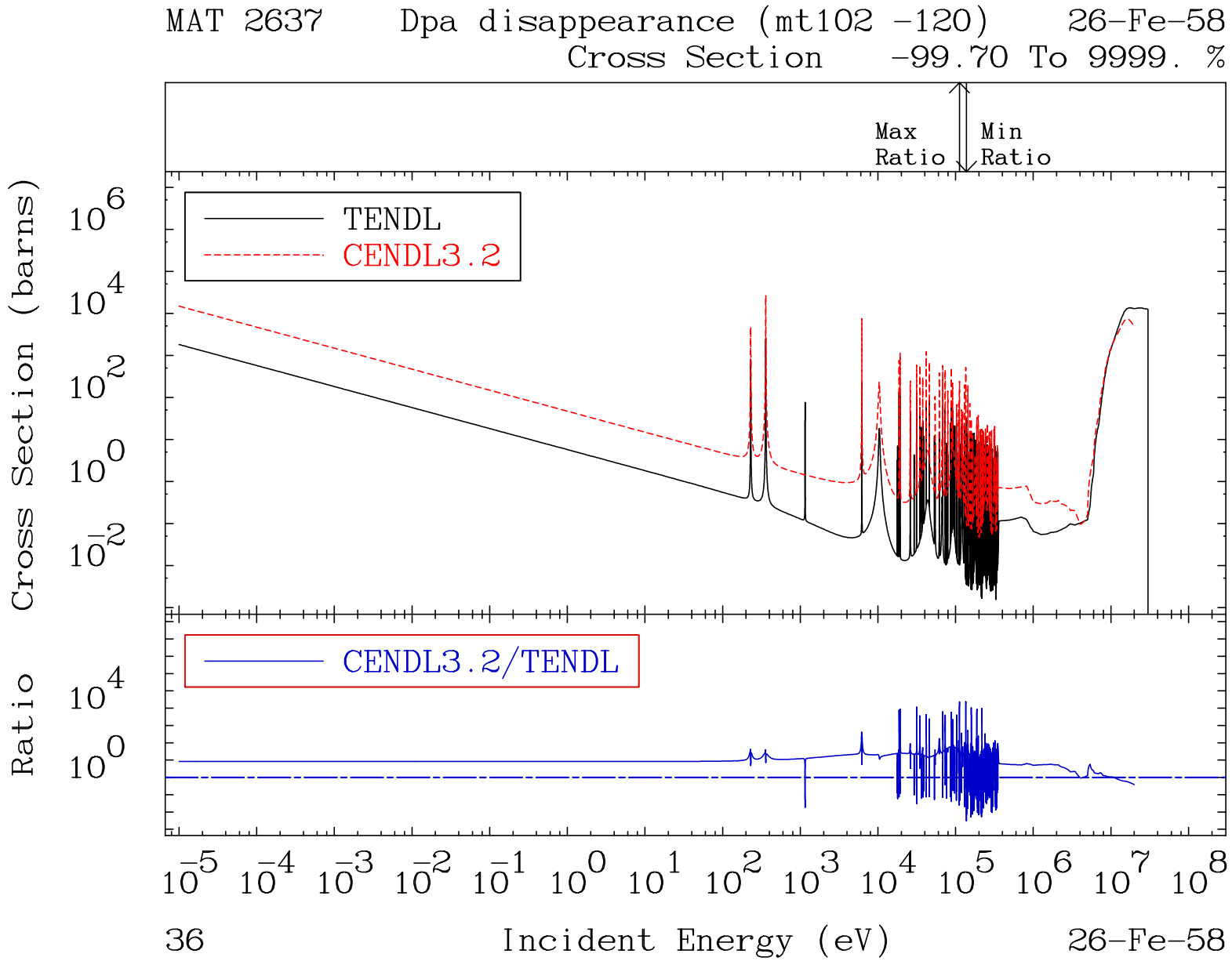

MAT 2637
Total photon (eV-barns)
26-Fe-58
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
26-Fe-58

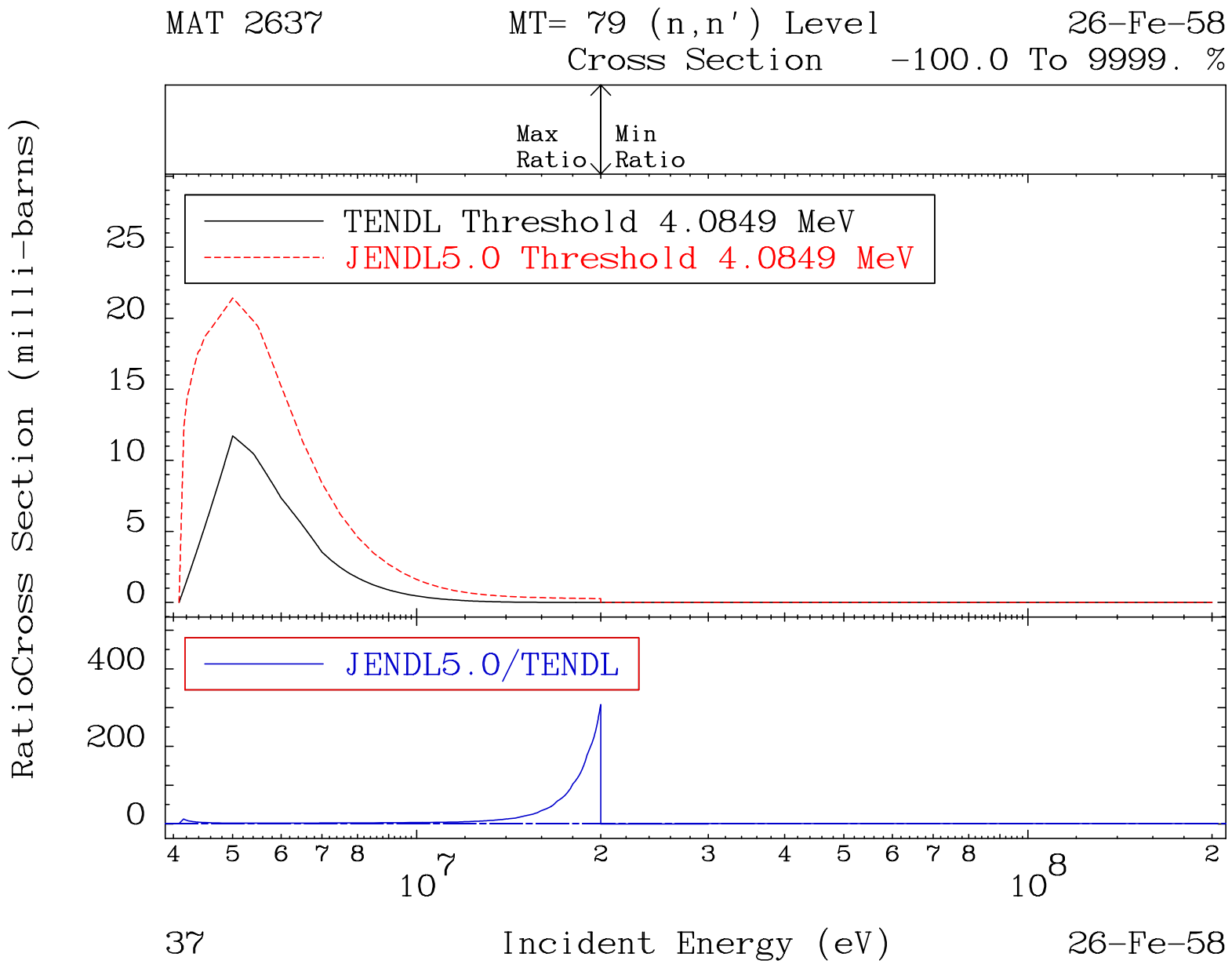

MAT 2637 Total kinematic kerma (high limit) 26-Fe-58
Cross Section -97.99 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
26-Fe-58

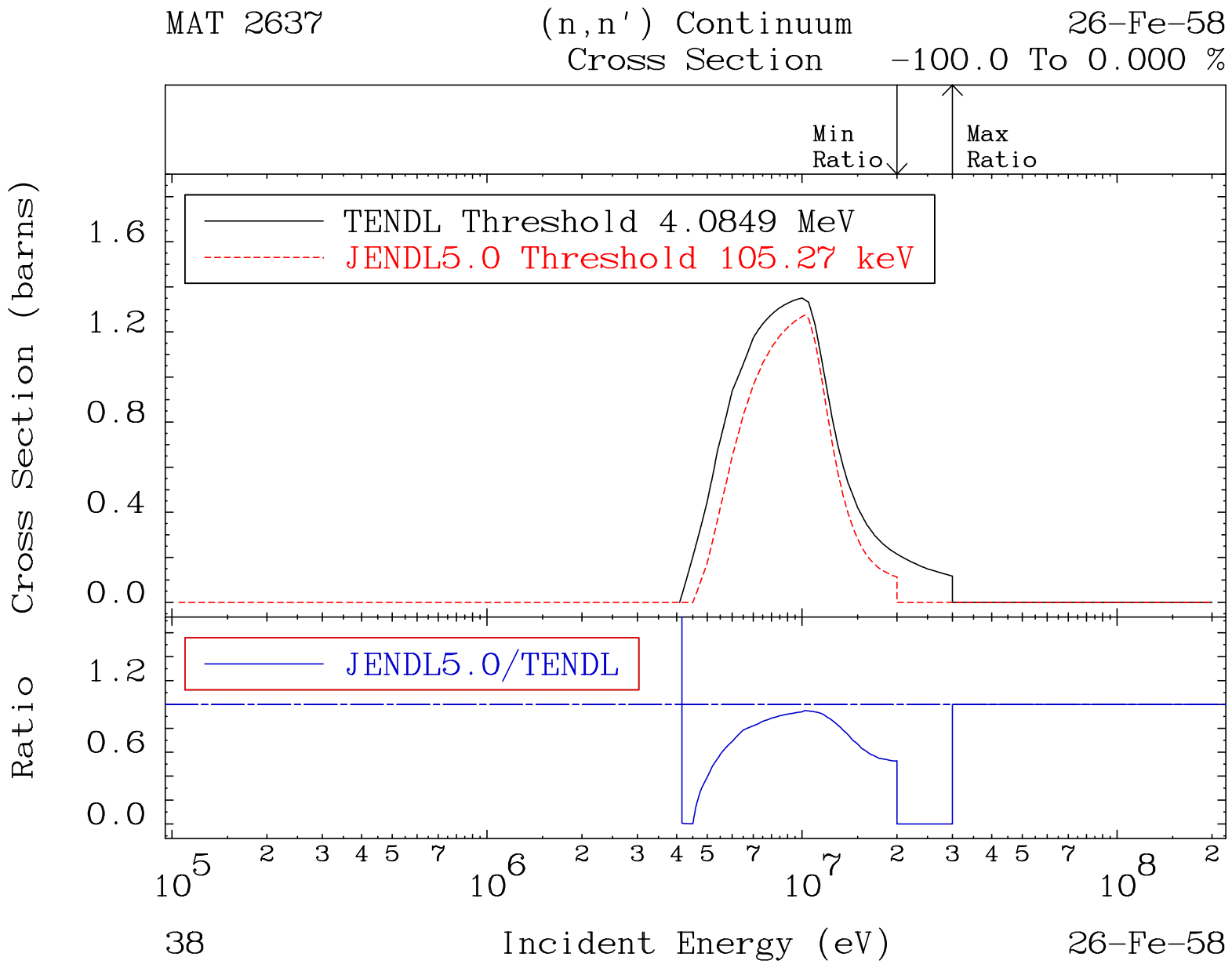

MAT 2637
Dpa total (eV-barns)
26-Fe-58
Cross Section -98.00 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
26-Fe-58

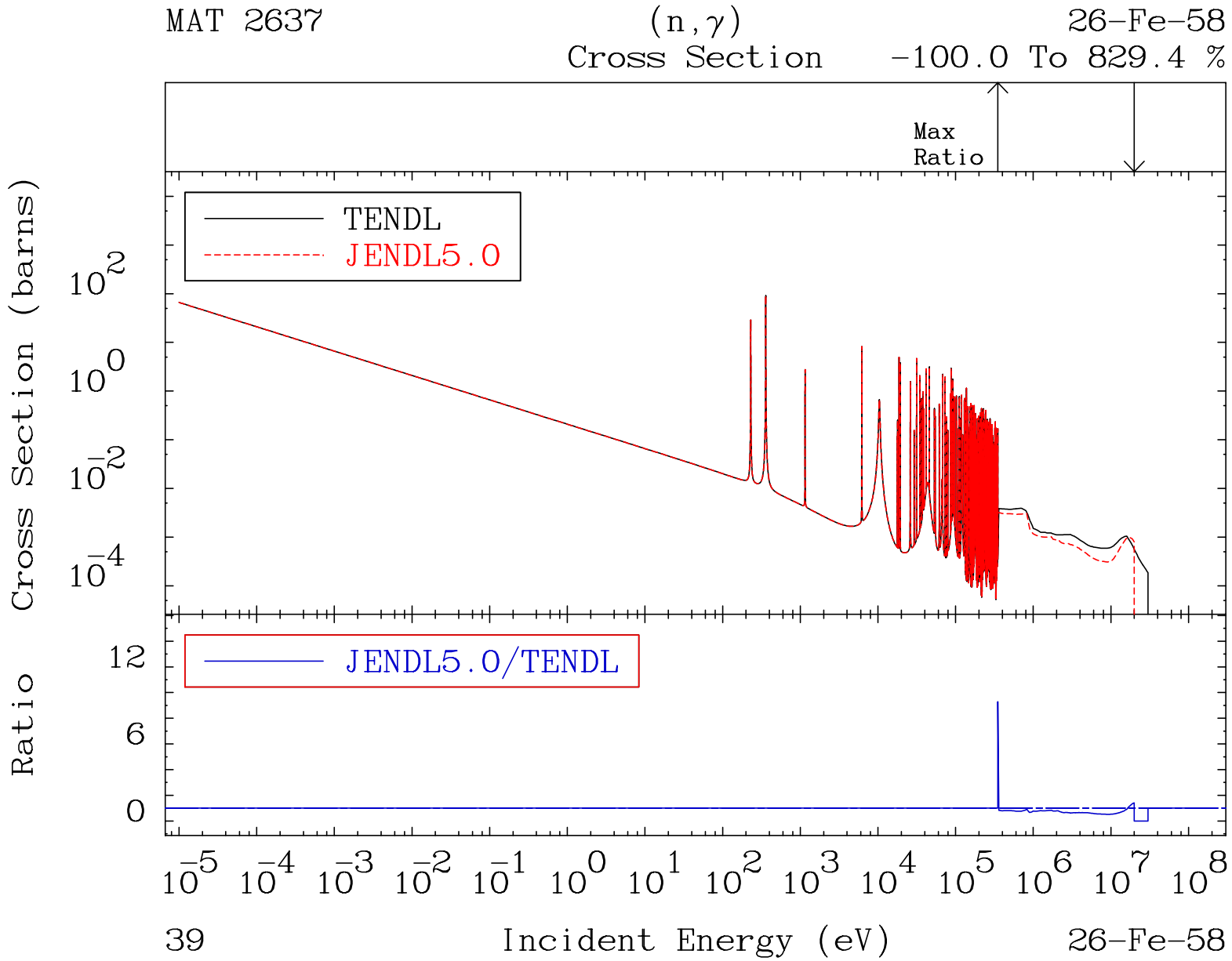

MAT 2637
Dpa elastic (mt2)
Cross Section
26-Fe-58
-98.00 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 562.50 eV
CENDL3.2 Threshold 562.50 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
26-Fe-58

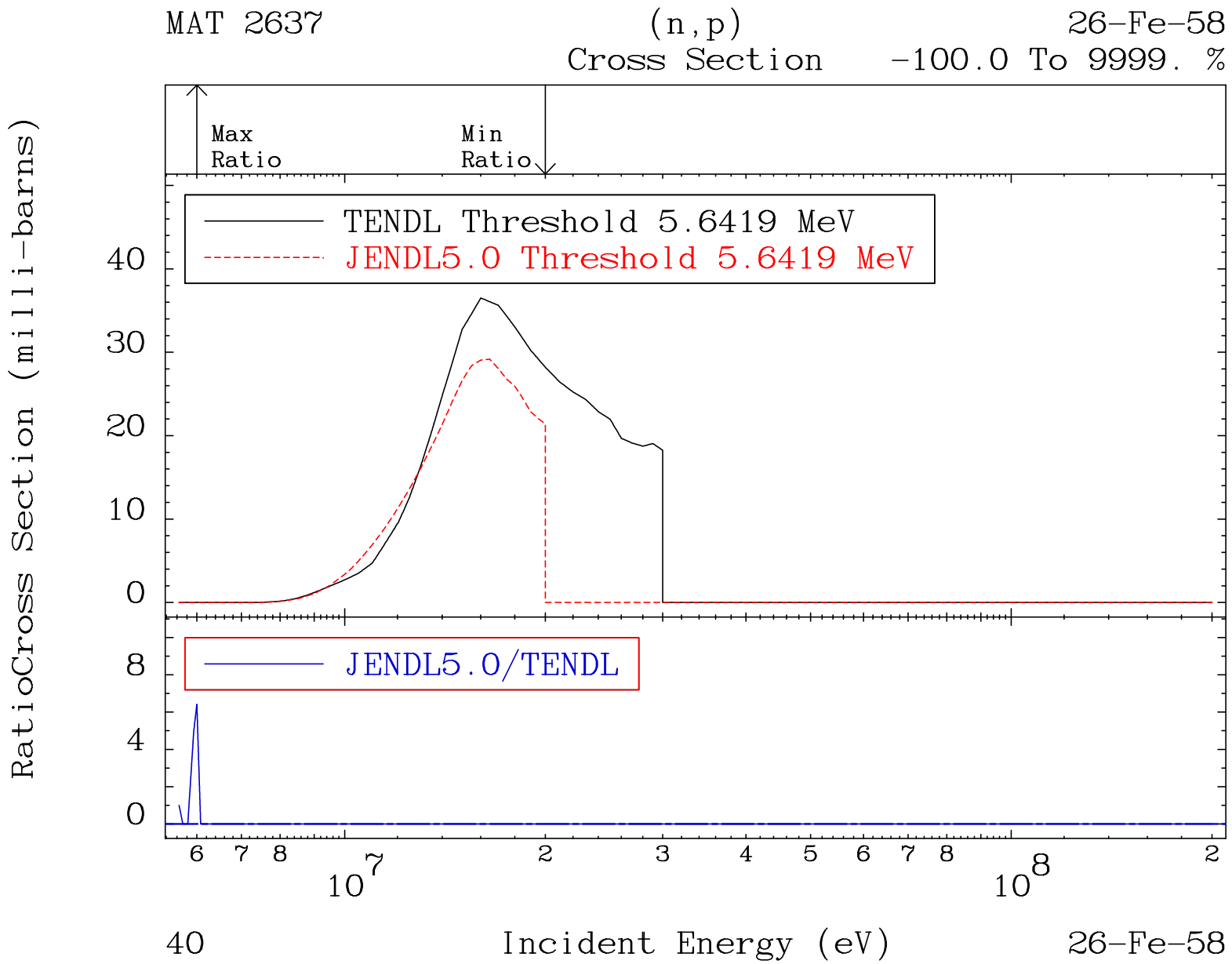

MAT 2637
Dpa inelastic (mt51-91)
26-Fe-58
Cross Section -100.0 To 45.68 %
Min Ratio
Max Ratio
TENDL Threshold 824.88 keV
CENDL3.2 Threshold 824.88 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
26-Fe-58

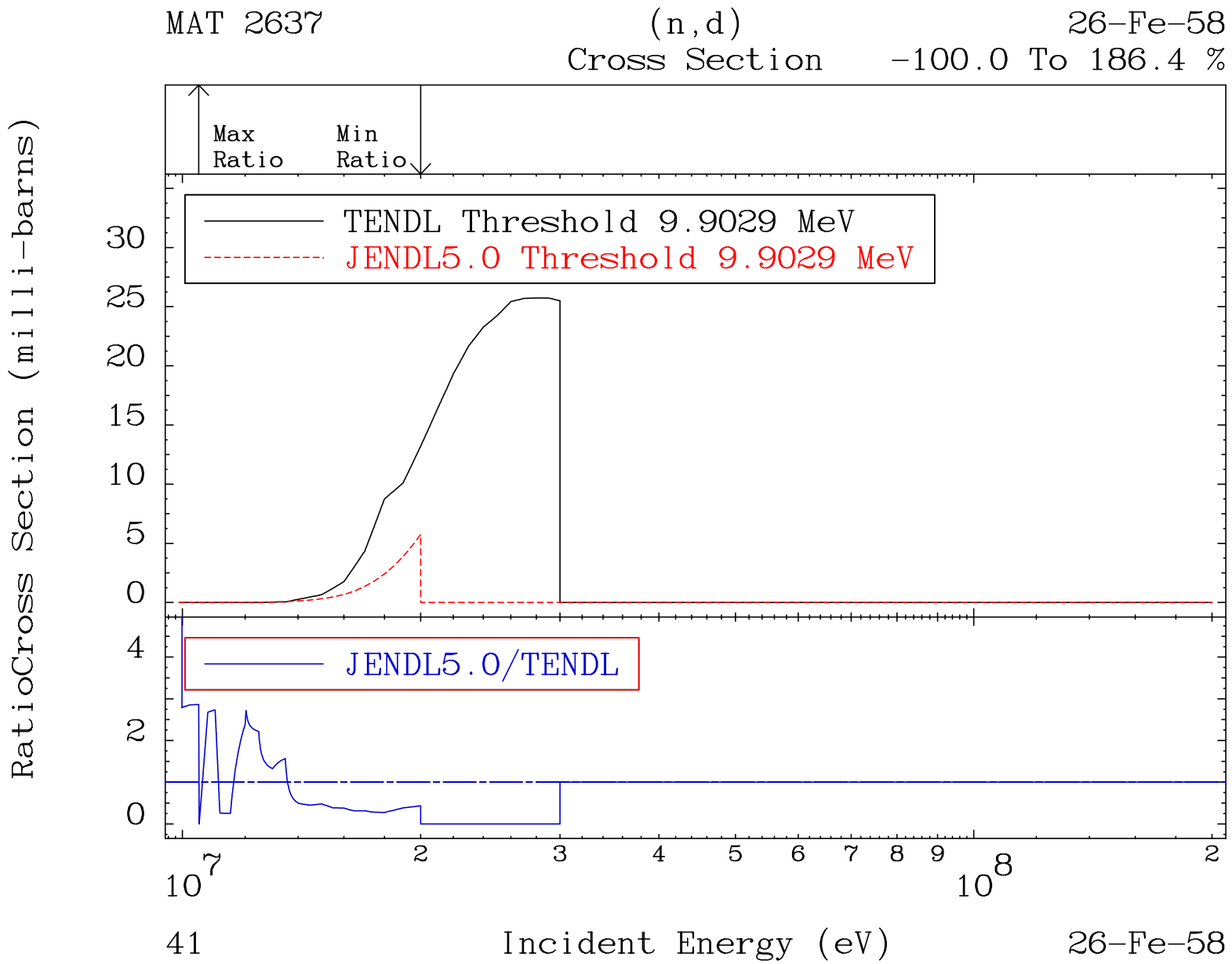

MAT 2637 Dpa disappearance (mt102 -120) 26-Fe-58
Cross Section -99.70 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
26-Fe-58

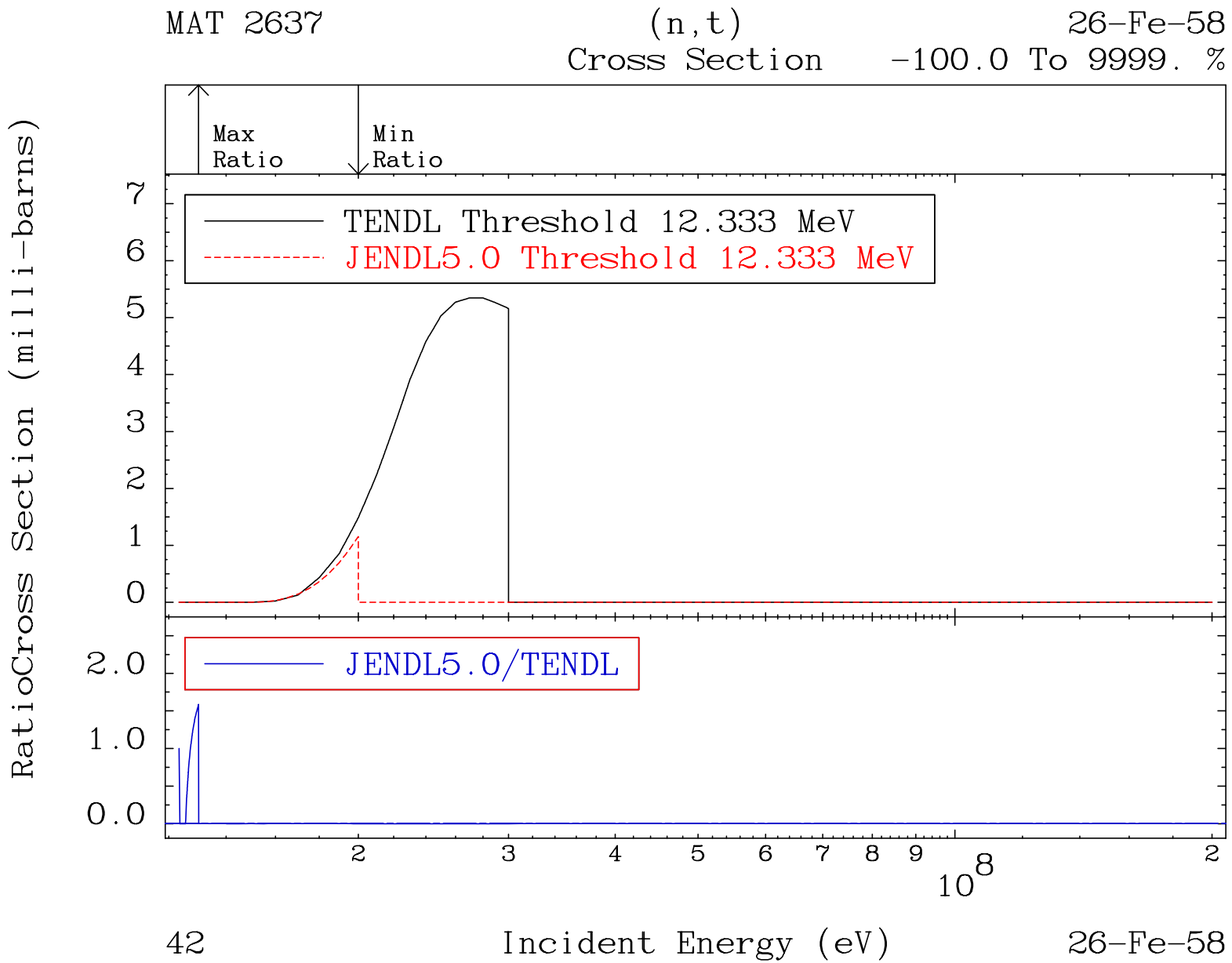

MAT 2637
MT= 79 (n,n') Level
26-Fe-58
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.0849 MeV
JENDL5.0 Threshold 4.0849 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
37
26-Fe-58

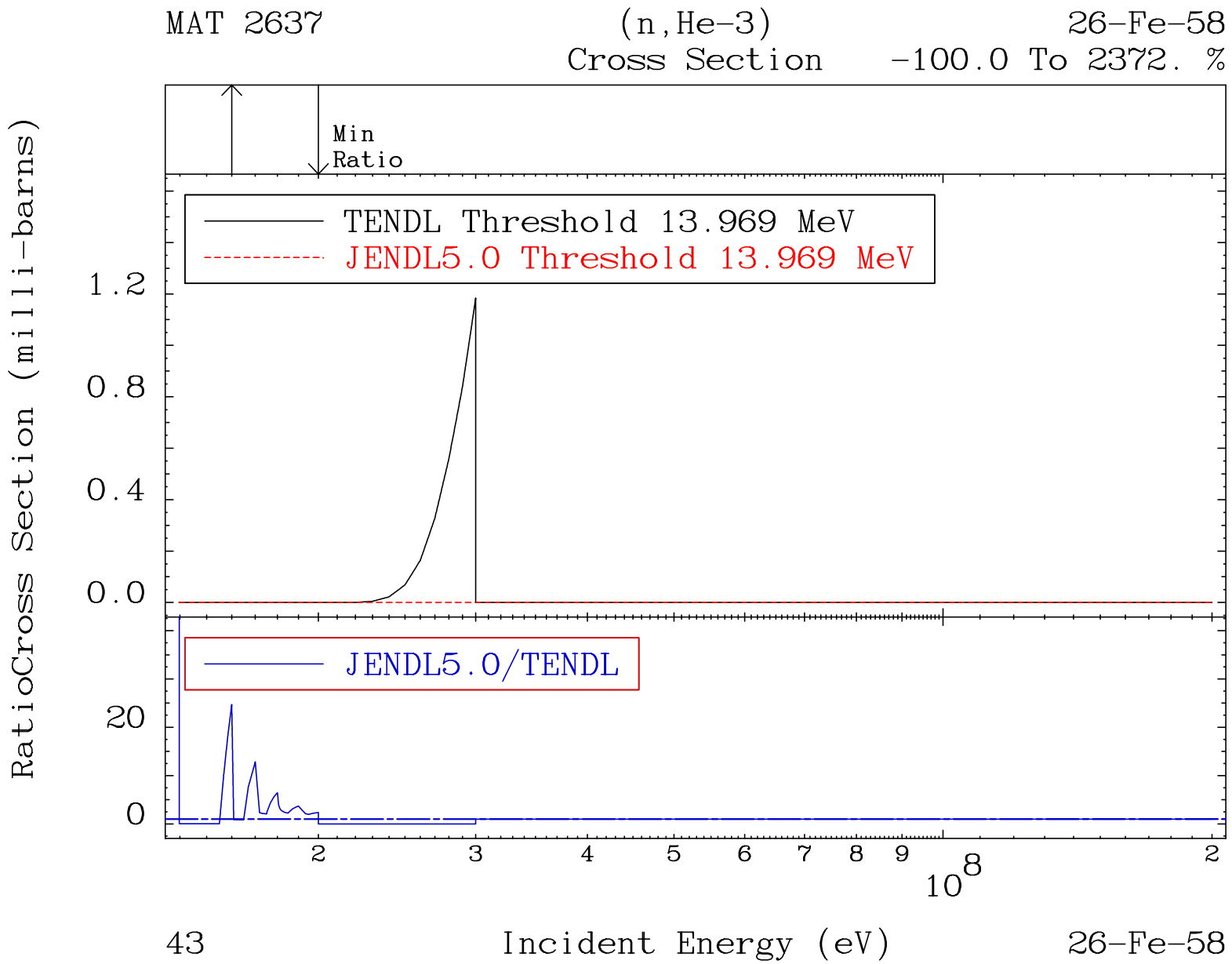

MAT 2637
(n,n') Continuum
Cross Section
26-Fe-58
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.0849 MeV
JENDL5.0 Threshold 105.27 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
10^5
10^6
10^7
10^8
38
Incident Energy (eV)
26-Fe-58

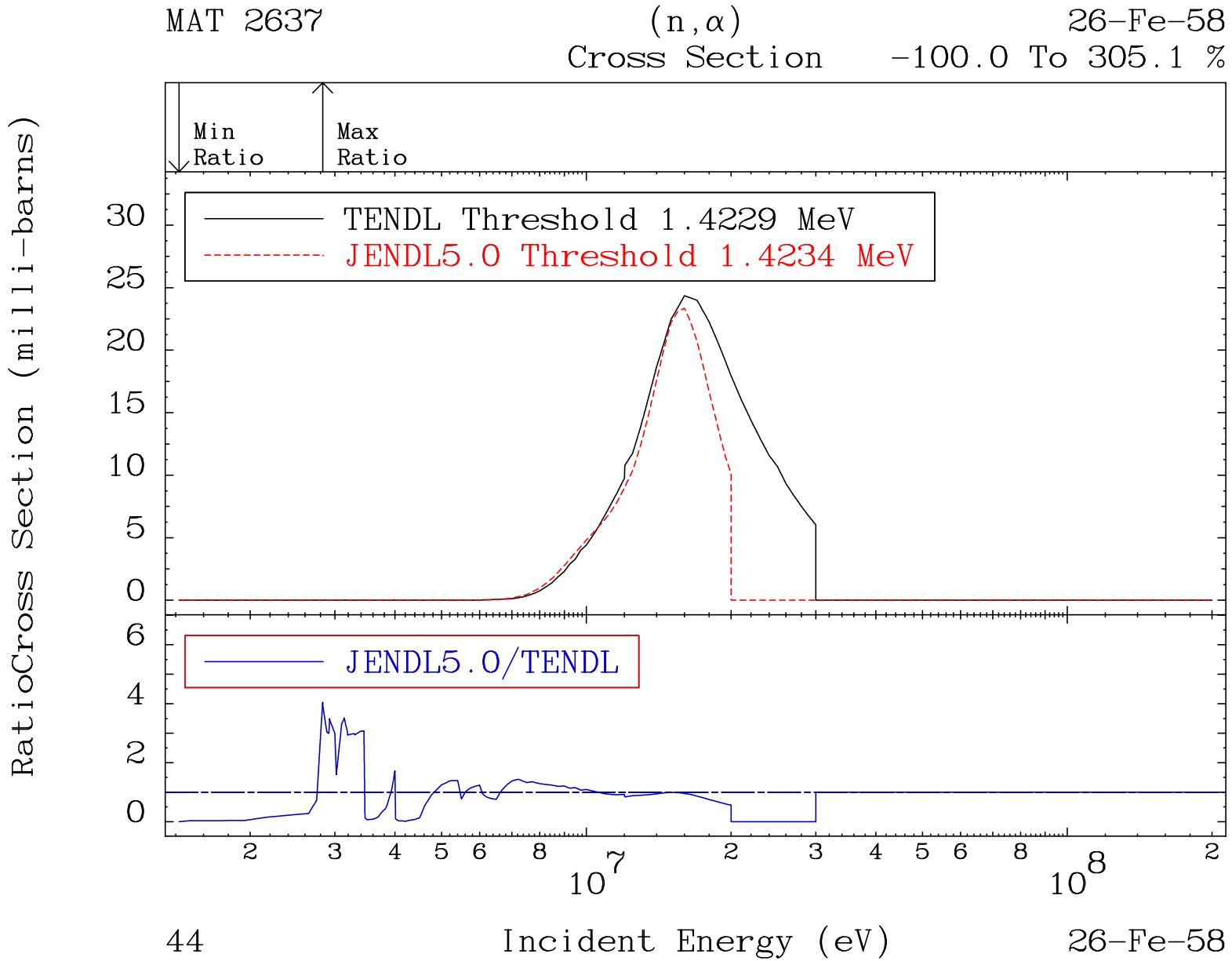

MAT 2637
(n,γ)
Cross Section
26-Fe-58
-100.0 To 829.4 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
12
6
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
39
Incident Energy (eV)
26-Fe-58

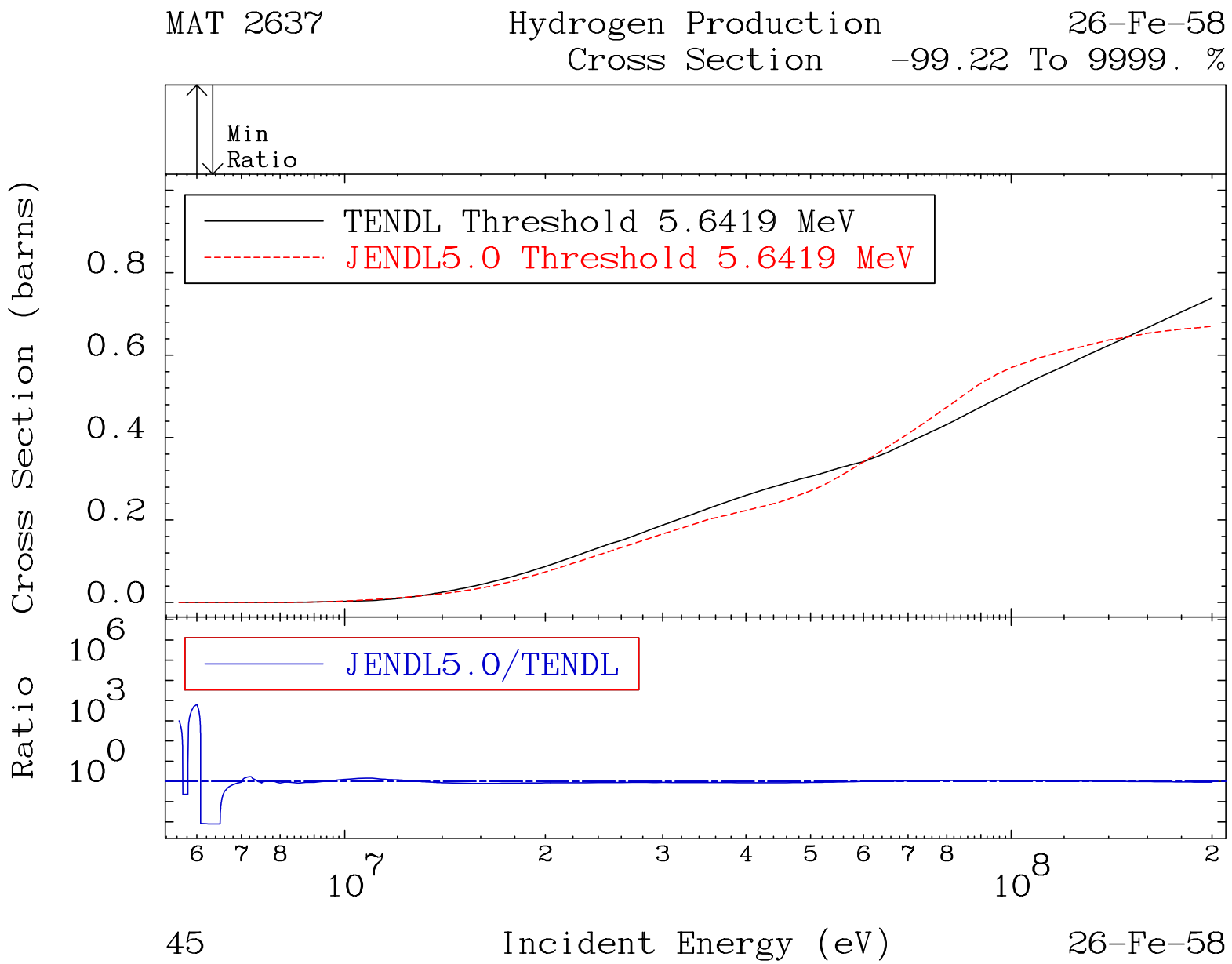

MAT 2637
(n,p)
Cross Section
26-Fe-58
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.6419 MeV
JENDL5.0 Threshold 5.6419 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
26-Fe-58

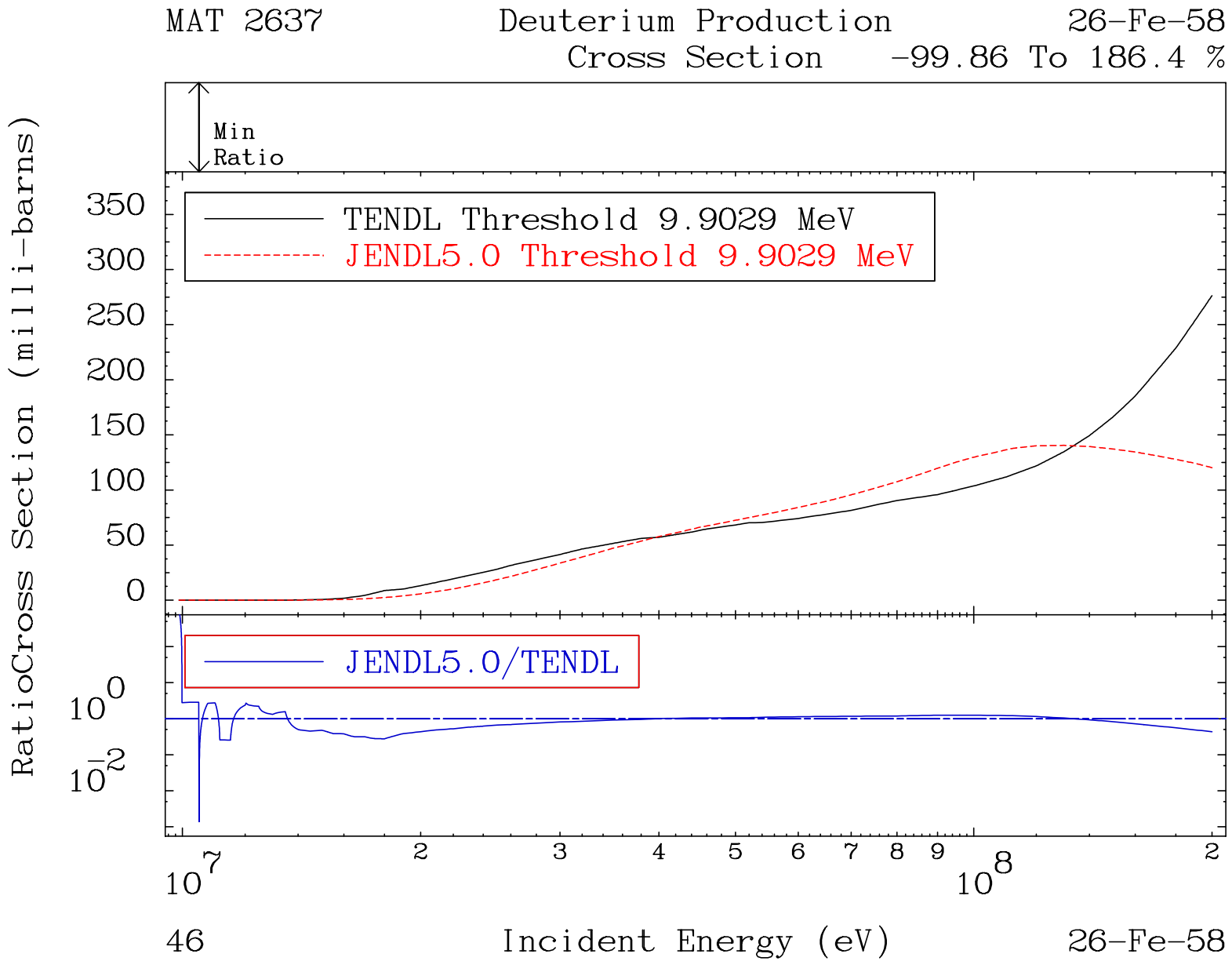

MAT 2637
(n,d)
Cross Section
26-Fe-58
-100.0 To 186.4 %
Max Ratio
Min Ratio
TENDL Threshold 9.9029 MeV
JENDL5.0 Threshold 9.9029 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
2
0
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
26-Fe-58

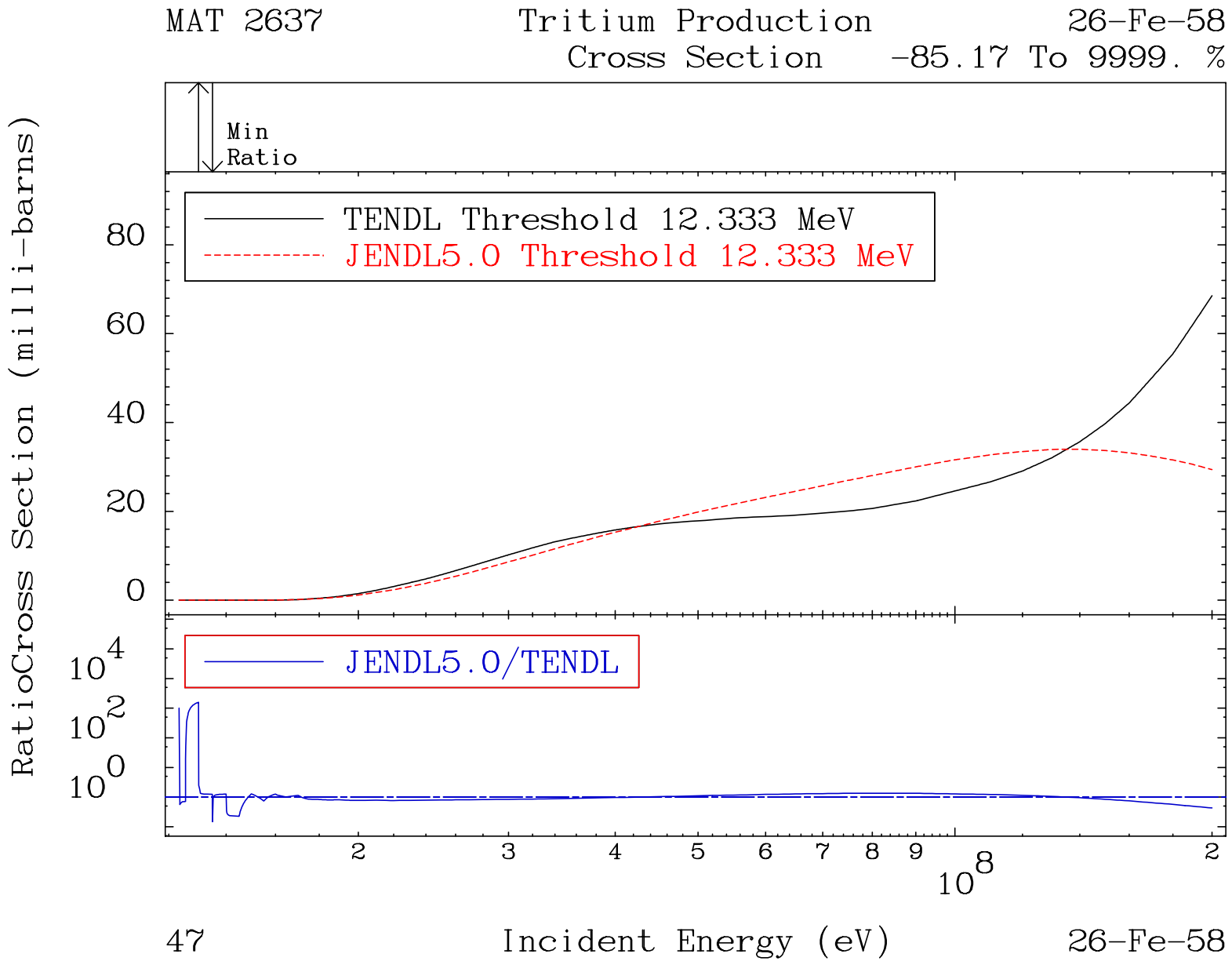

MAT 2637
(n,t)
Cross Section
26-Fe-58
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.333 MeV
JENDL5.0 Threshold 12.333 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
42
26-Fe-58

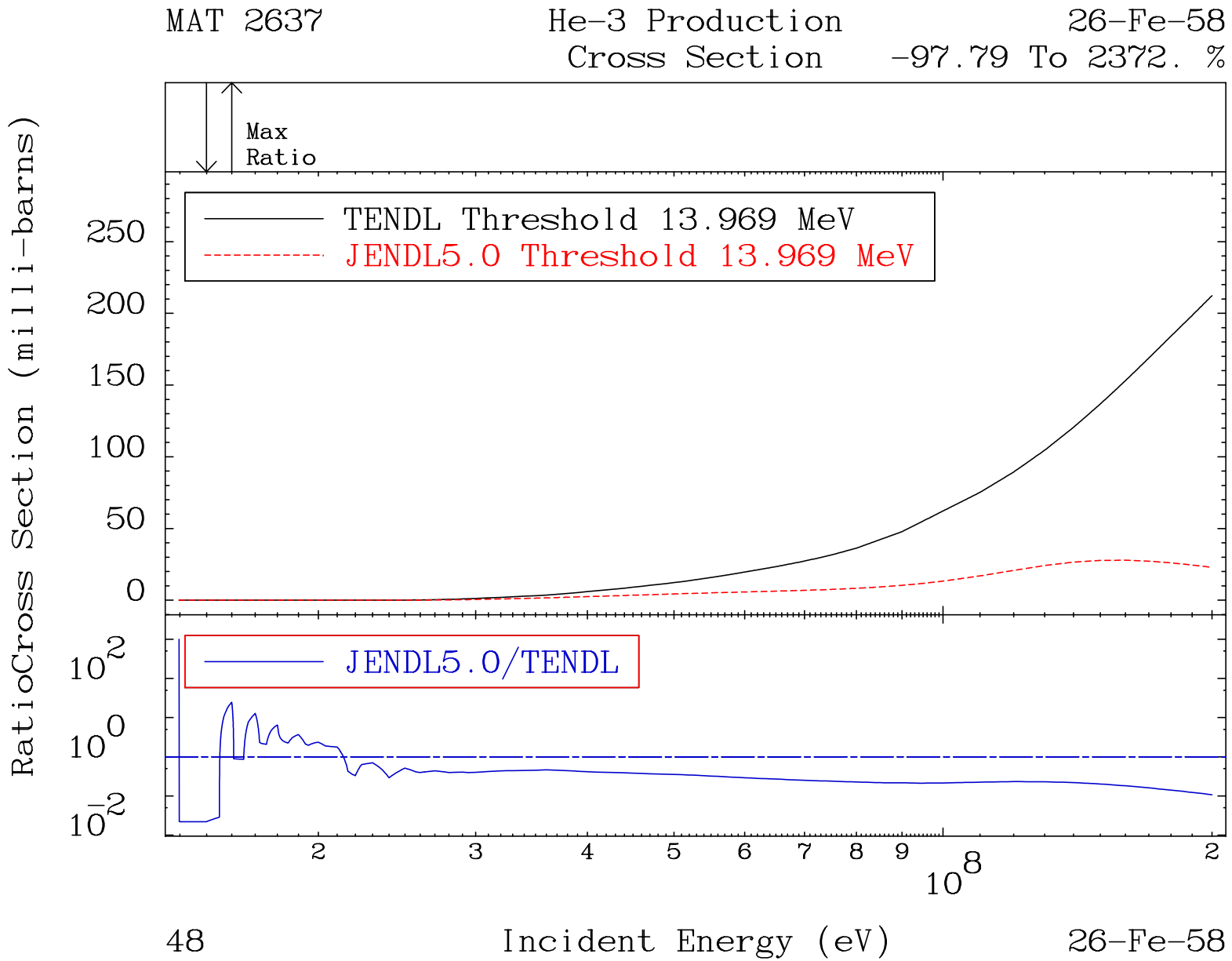

MAT 2637
(n,He-3)
26-Fe-58
Cross Section
-100.0 To 2372. %
Min
Ratio
TENDL Threshold 13.969 MeV
JENDL5.0 Threshold 13.969 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
0.8
0.4
0.0
20
0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
26-Fe-58

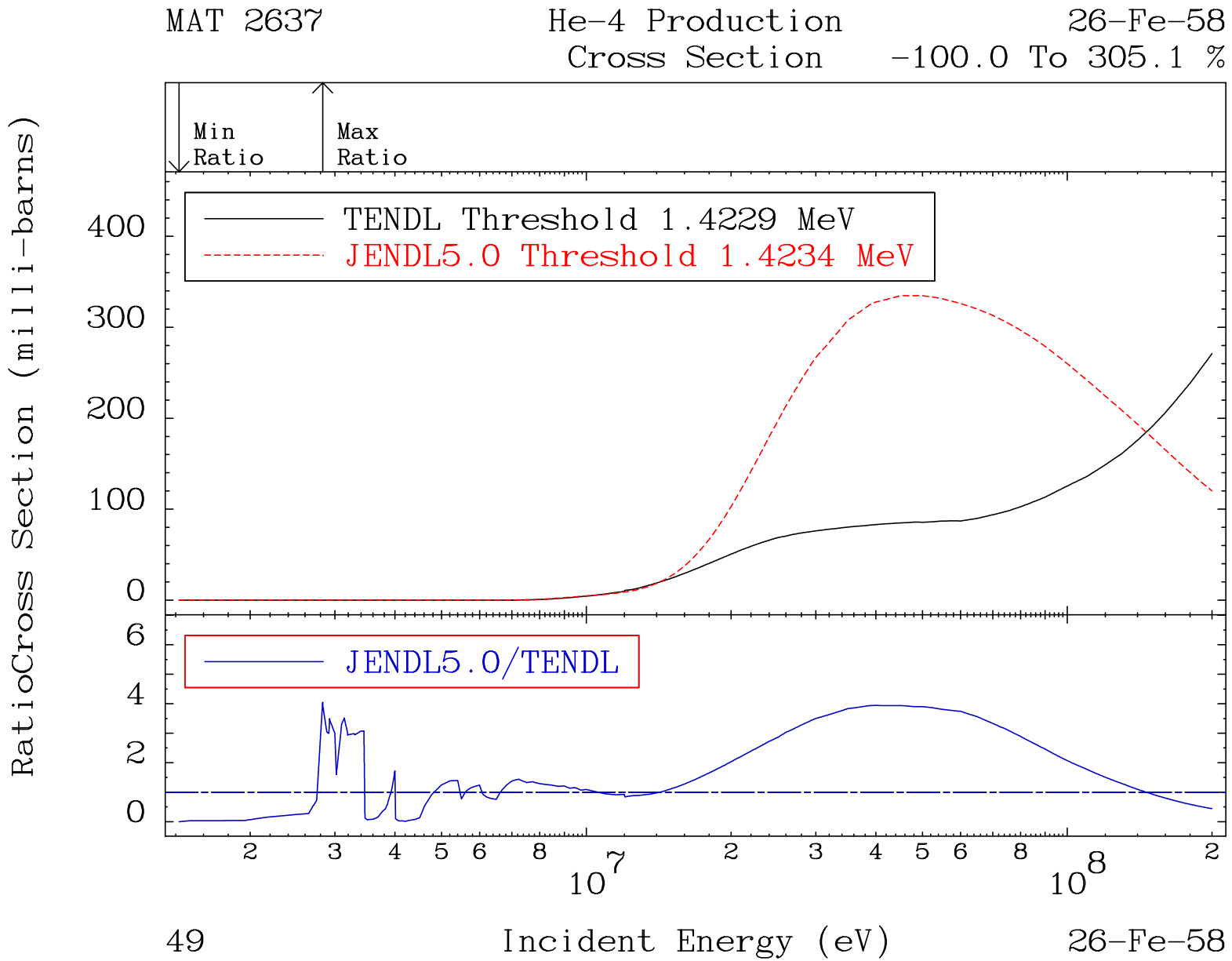

MAT 2637
(n,α)
Cross Section
26-Fe-58
-100.0 To 305.1 %
Min Ratio
Max Ratio
TENDL Threshold 1.4229 MeV
JENDL5.0 Threshold 1.4234 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44
26-Fe-58

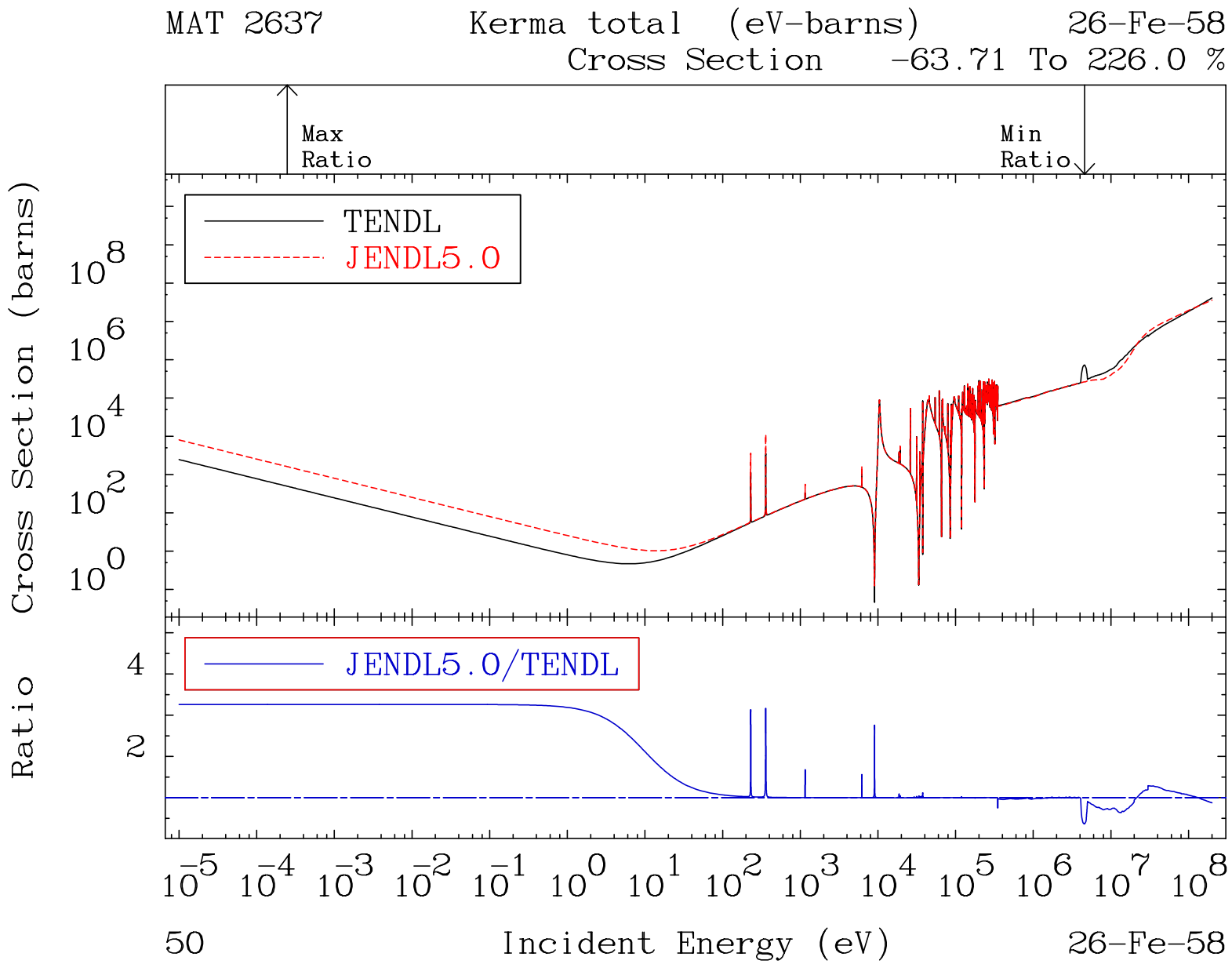

MAT 2637
Hydrogen Production
26-Fe-58
Cross Section
-99.22 To 9999. %
Min
Ratio
TENDL Threshold 5.6419 MeV
JENDL5.0 Threshold 5.6419 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
0.8
0.6
0.4
0.2
0.0
10^6
10^3
10^0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
26-Fe-58

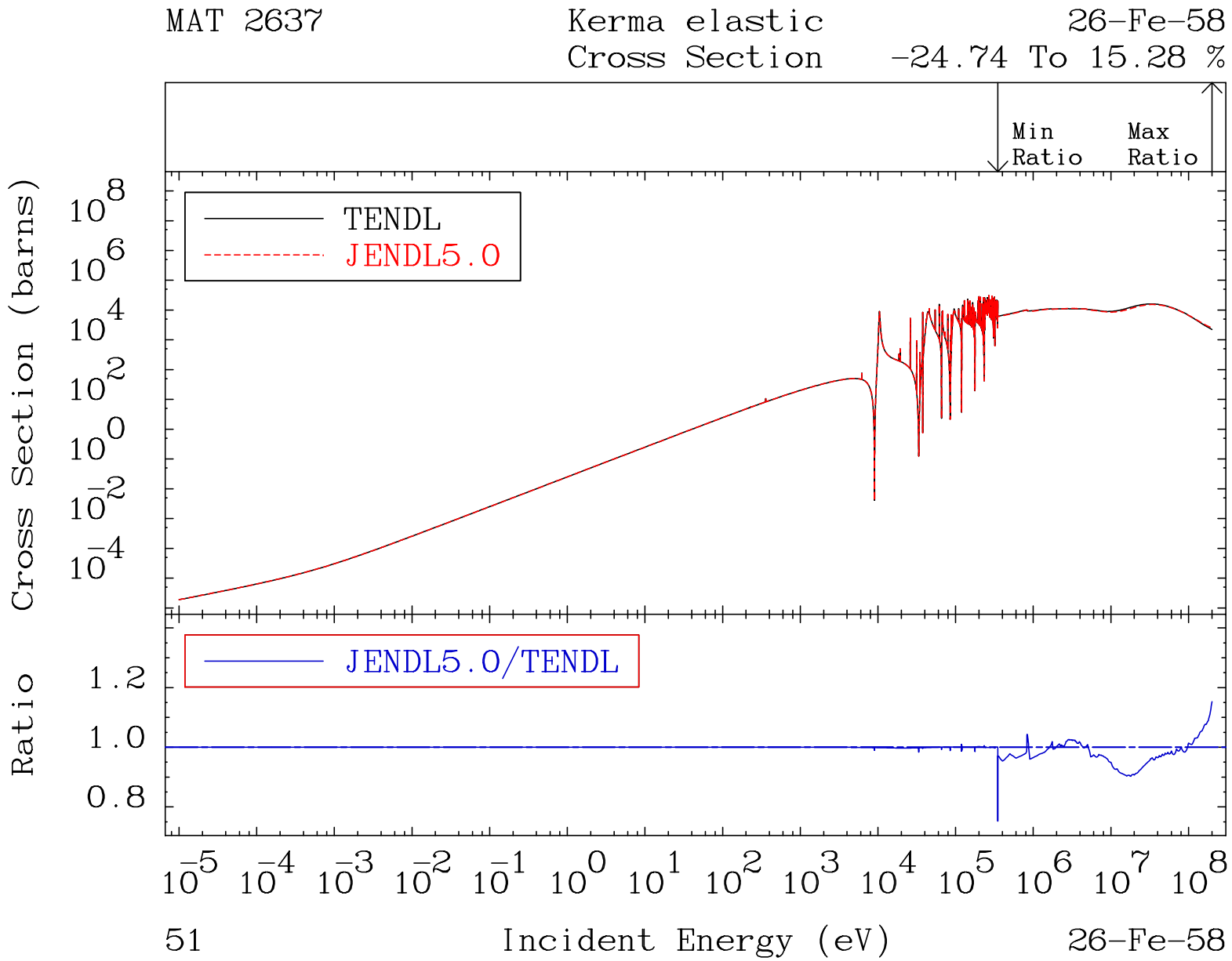

MAT 2637
Deuterium Production
26-Fe-58
Cross Section
-99.86 To 186.4 %
Min
Ratio
TENDL Threshold 9.9029 MeV
JENDL5.0 Threshold 9.9029 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^0
10^-2
10^7
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
26-Fe-58

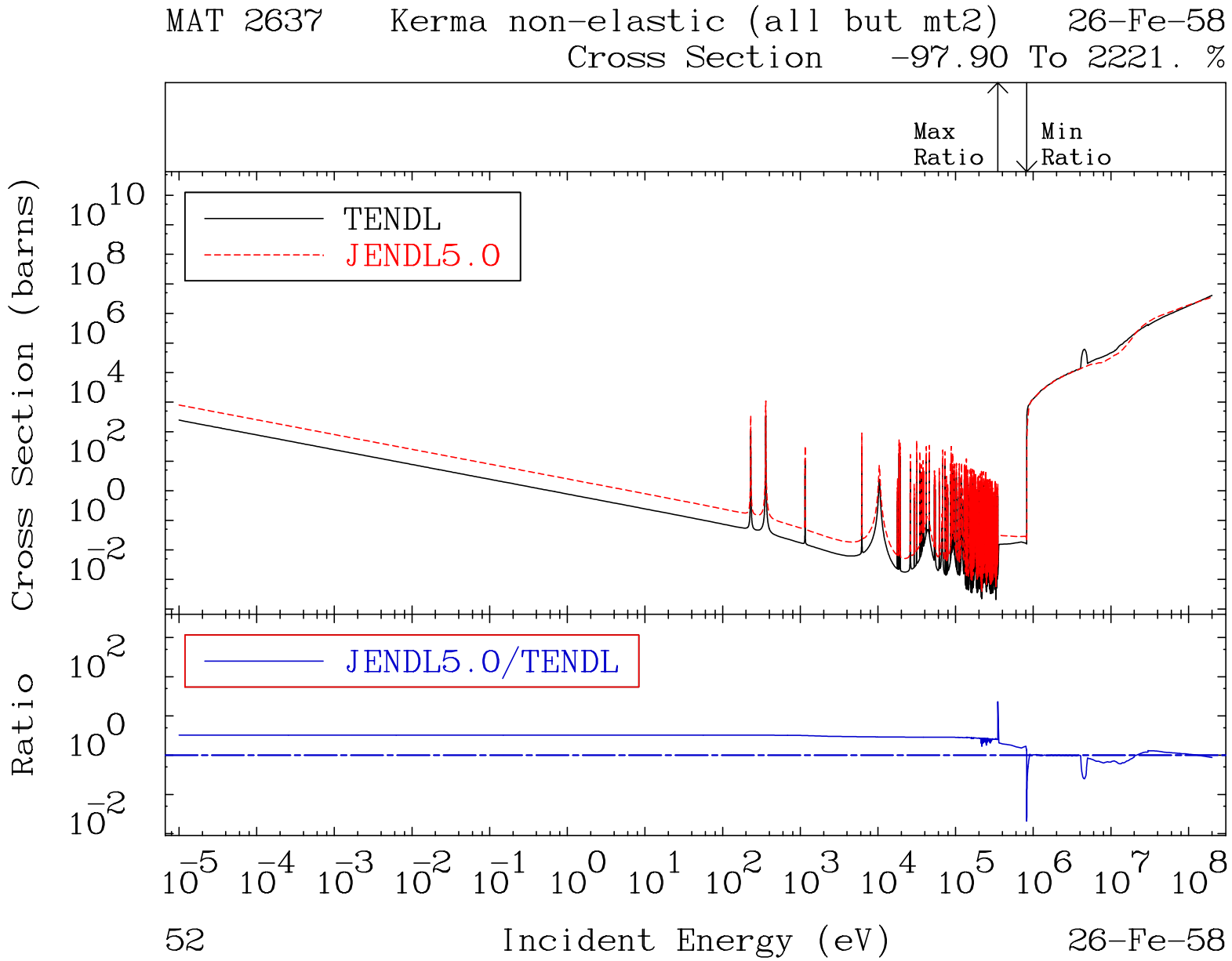

MAT 2637
Tritium Production
26-Fe-58
Cross Section
-85.17 To 9999. %
Min
Ratio
TENDL Threshold 12.333 MeV
JENDL5.0 Threshold 12.333 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
26-Fe-58

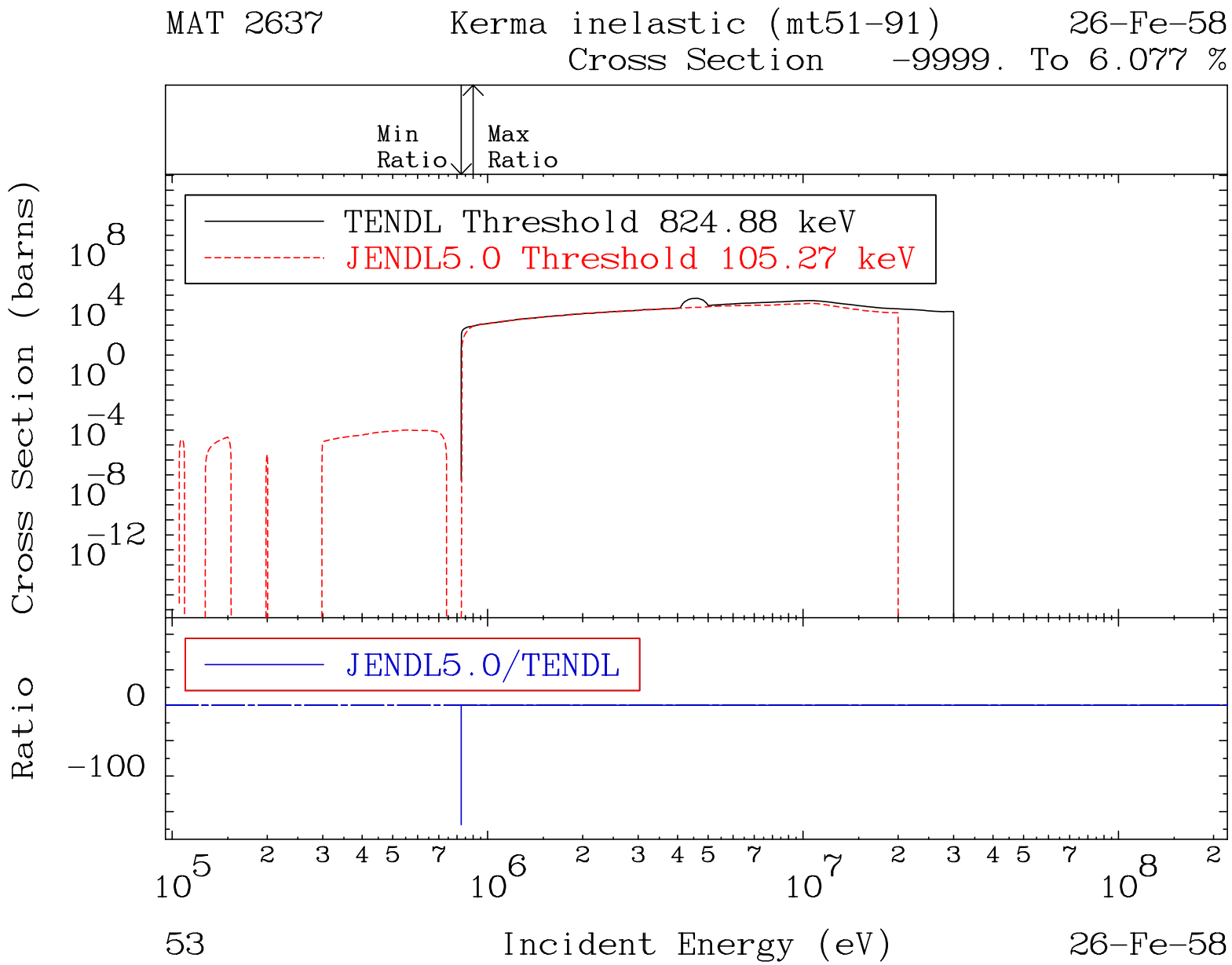

MAT 2637
He-3 Production
Cross Section
26-Fe-58
-97.79 To 2372. %
Max
Ratio
TENDL Threshold 13.969 MeV
JENDL5.0 Threshold 13.969 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
26-Fe-58

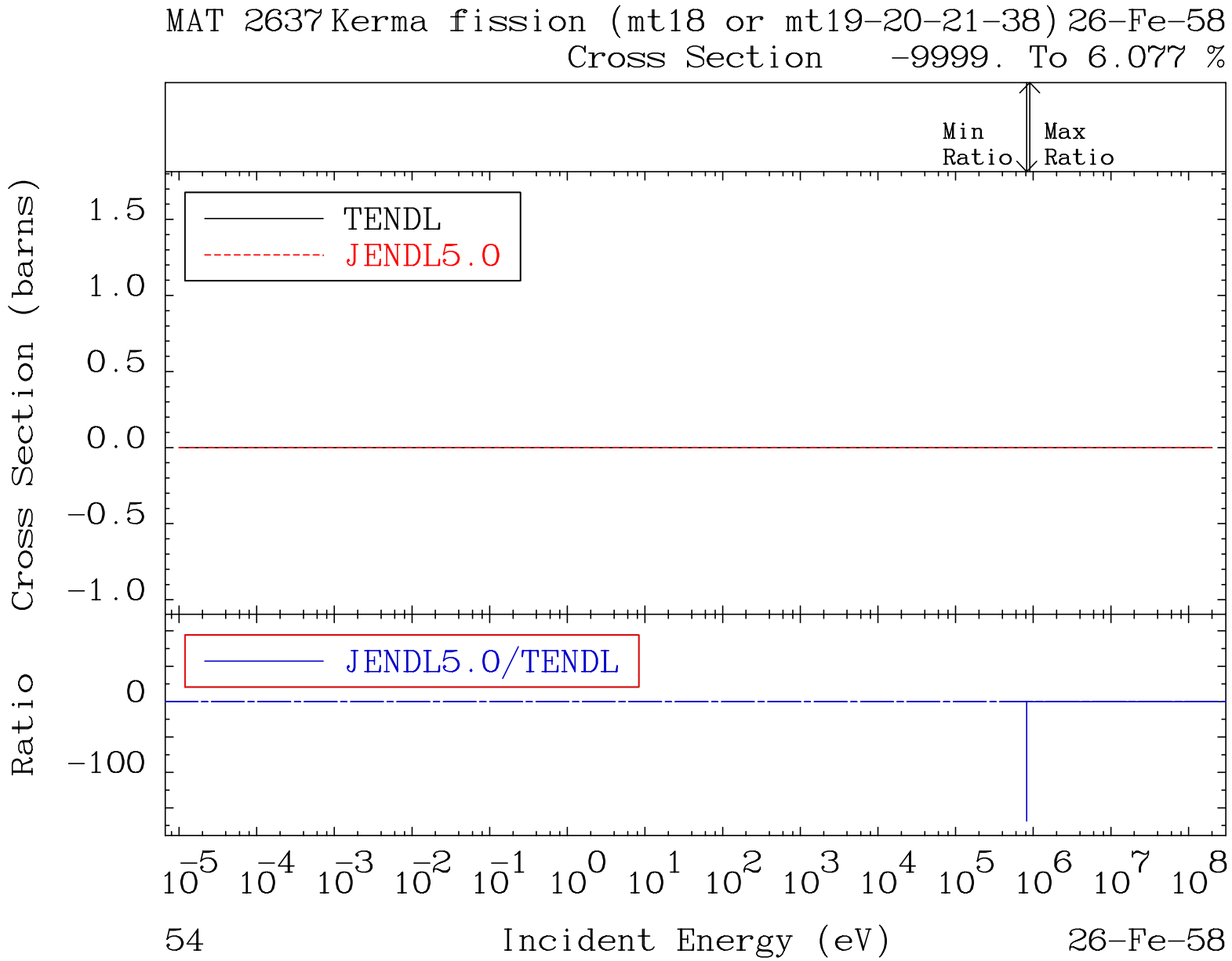

MAT 2637
He-4 Production
Cross Section
26-Fe-58
-100.0 To 305.1 %
Min Ratio
Max Ratio
TENDL Threshold 1.4229 MeV
JENDL5.0 Threshold 1.4234 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
6
4
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
49
Incident Energy (eV)
26-Fe-58

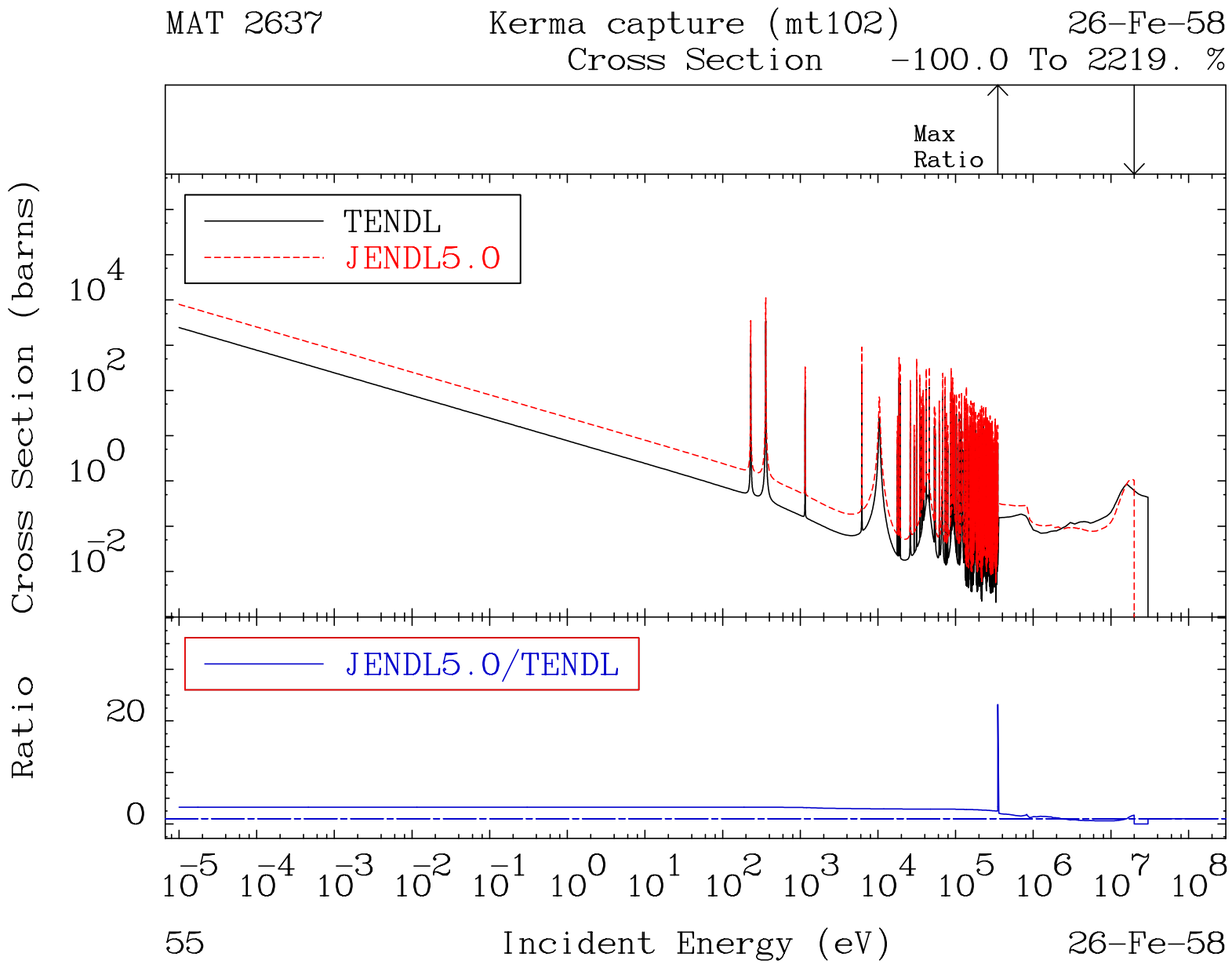

MAT 2637
Kerma total (eV-barns)
26-Fe-58
Cross Section -63.71 To 226.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
26-Fe-58

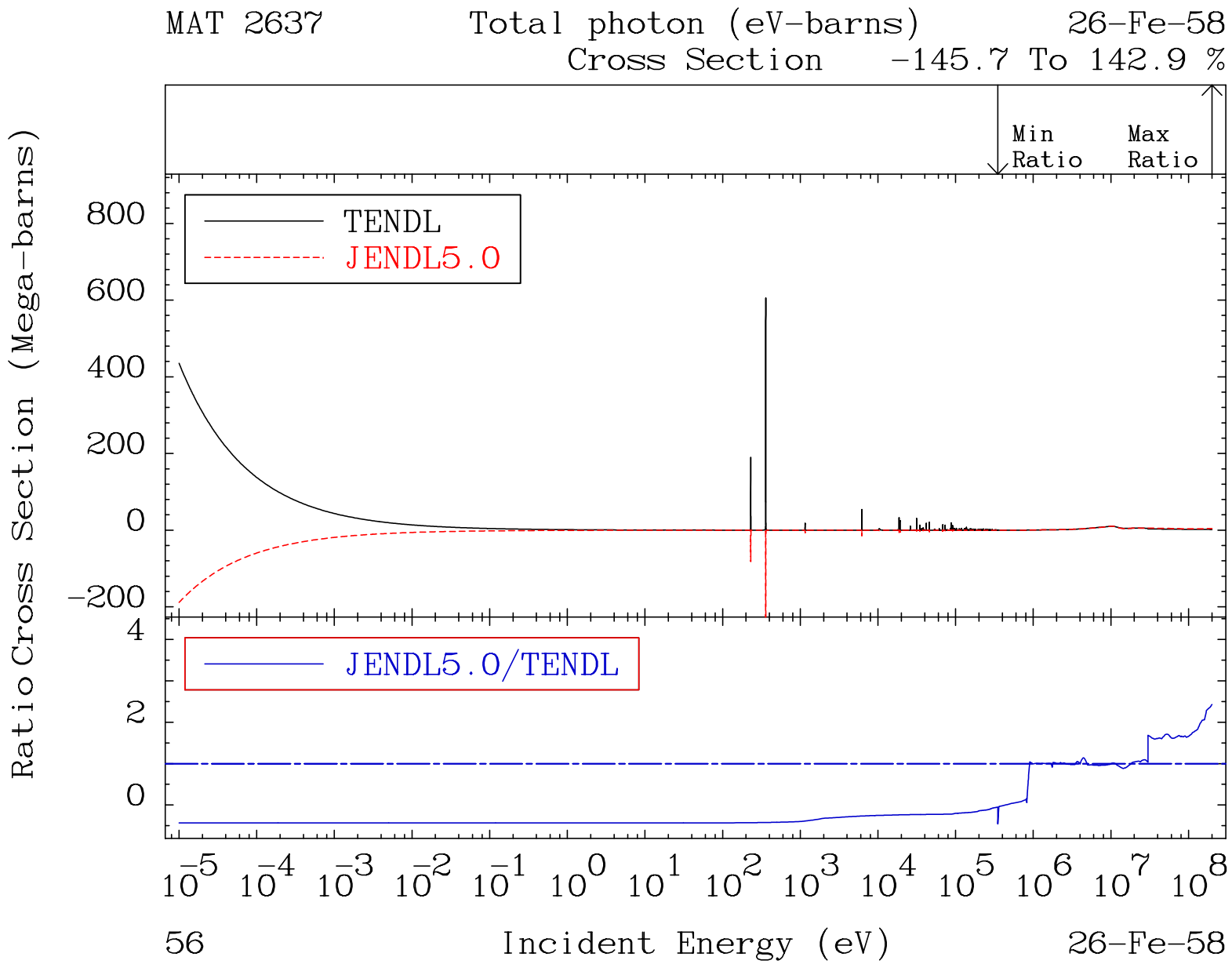

MAT 2637
Kerma elastic
Cross Section
26-Fe-58
-24.74 To 15.28 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
26-Fe-58

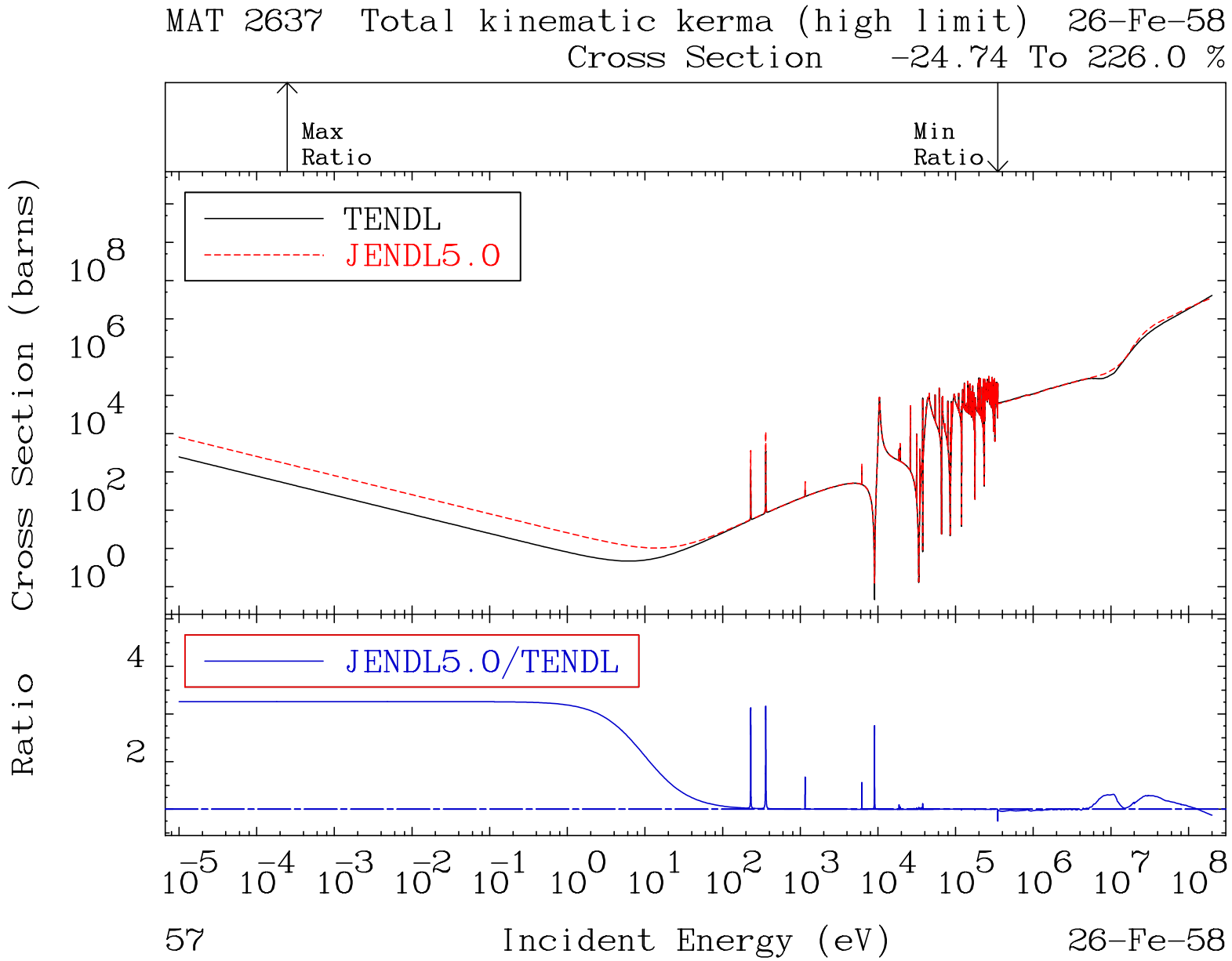

MAT 2637 Kerma non-elastic (all but mt2) 26-Fe-58
Cross Section -97.90 To 2221. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
26-Fe-58

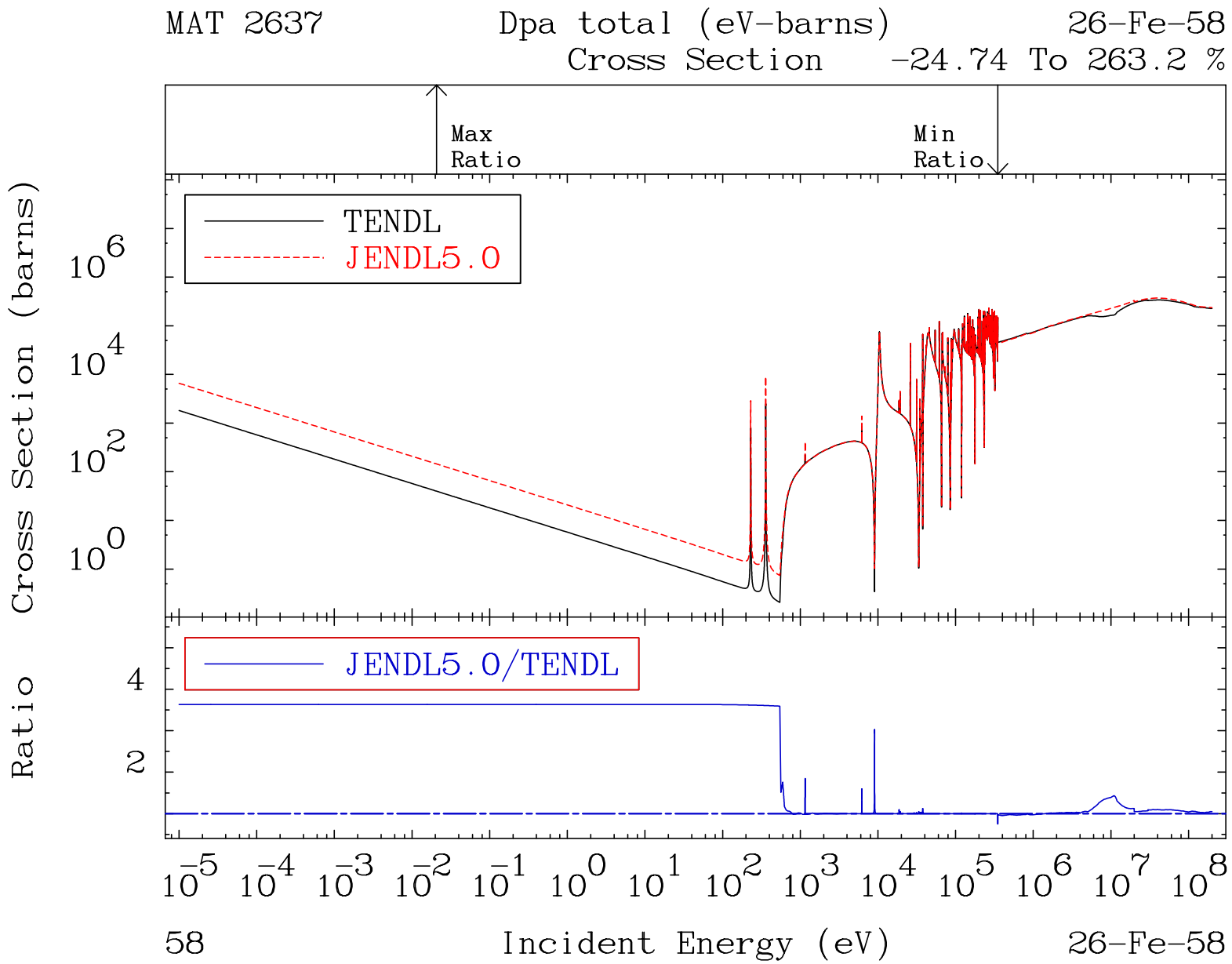

MAT 2637
Kerma inelastic (mt51-91)
26-Fe-58
Cross Section -9999. To 6.077 %
Min Ratio
Max Ratio
TENDL Threshold 824.88 keV
JENDL5.0 Threshold 105.27 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
53
26-Fe-58

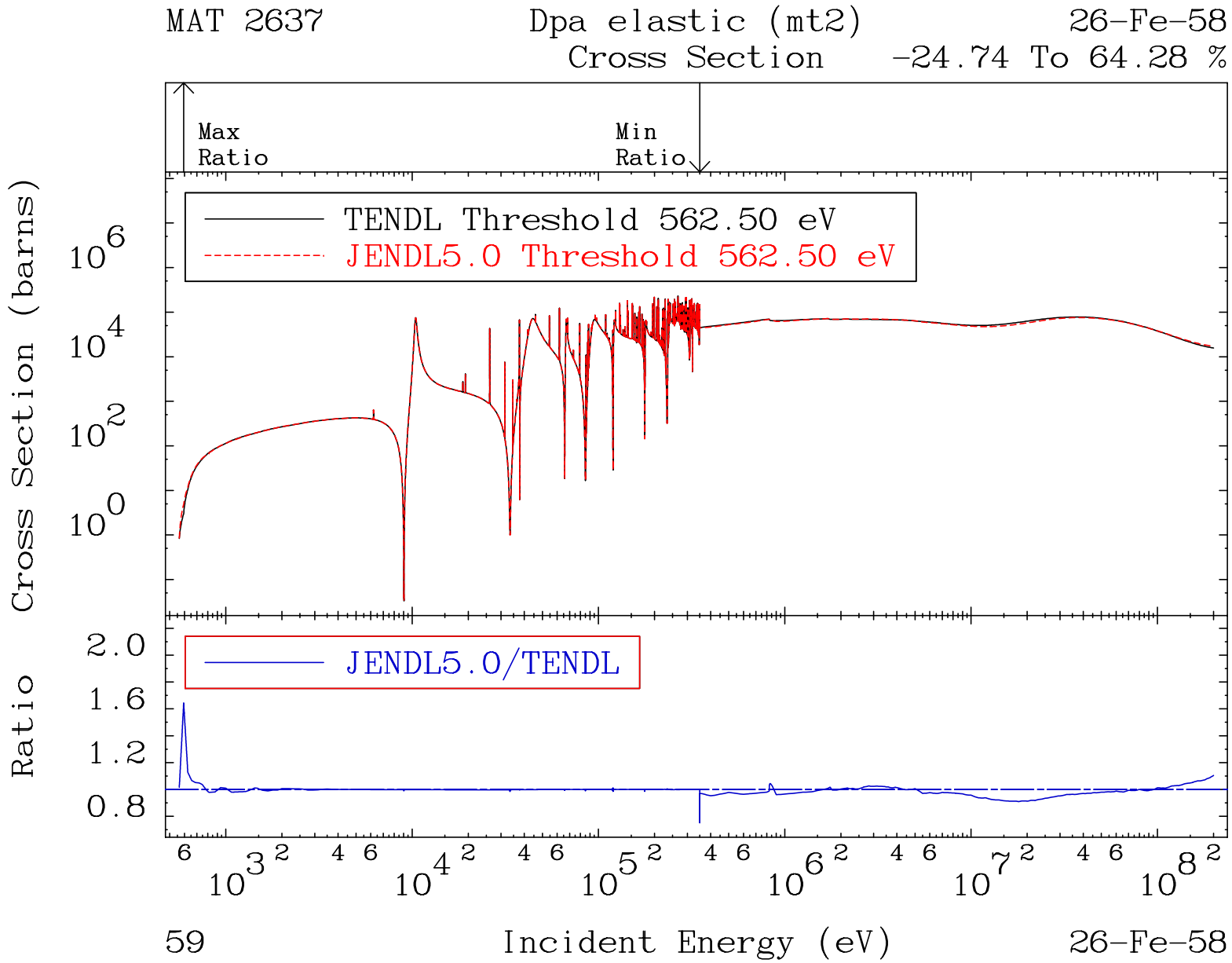

MAT 2637 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-58
Cross Section -9999. To 6.077 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-100
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
54
Incident Energy (eV)
26-Fe-58

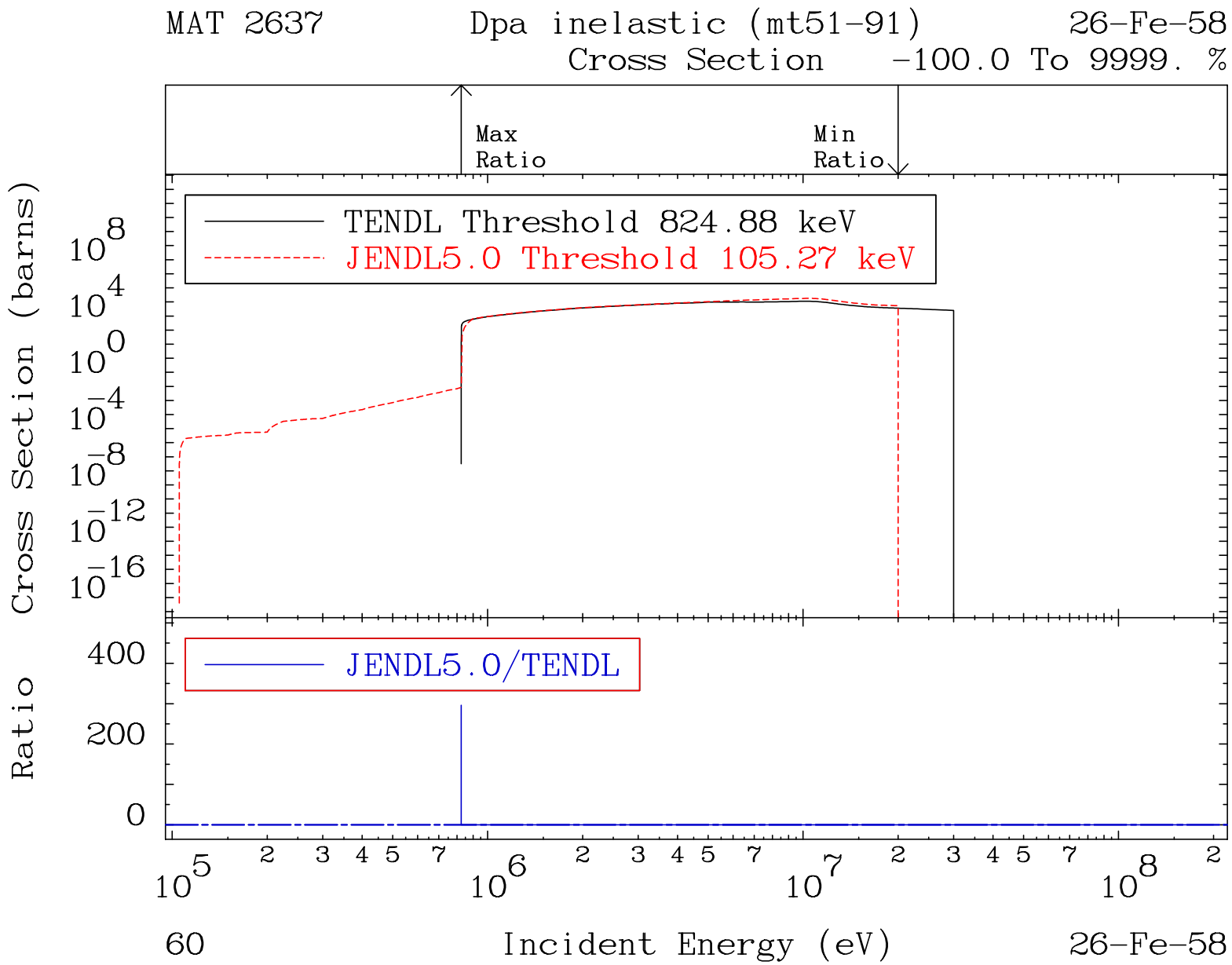

MAT 2637
Kerma capture (mt102)
26-Fe-58
Cross Section -100.0 To 2219. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
20
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
55
Incident Energy (eV)
26-Fe-58

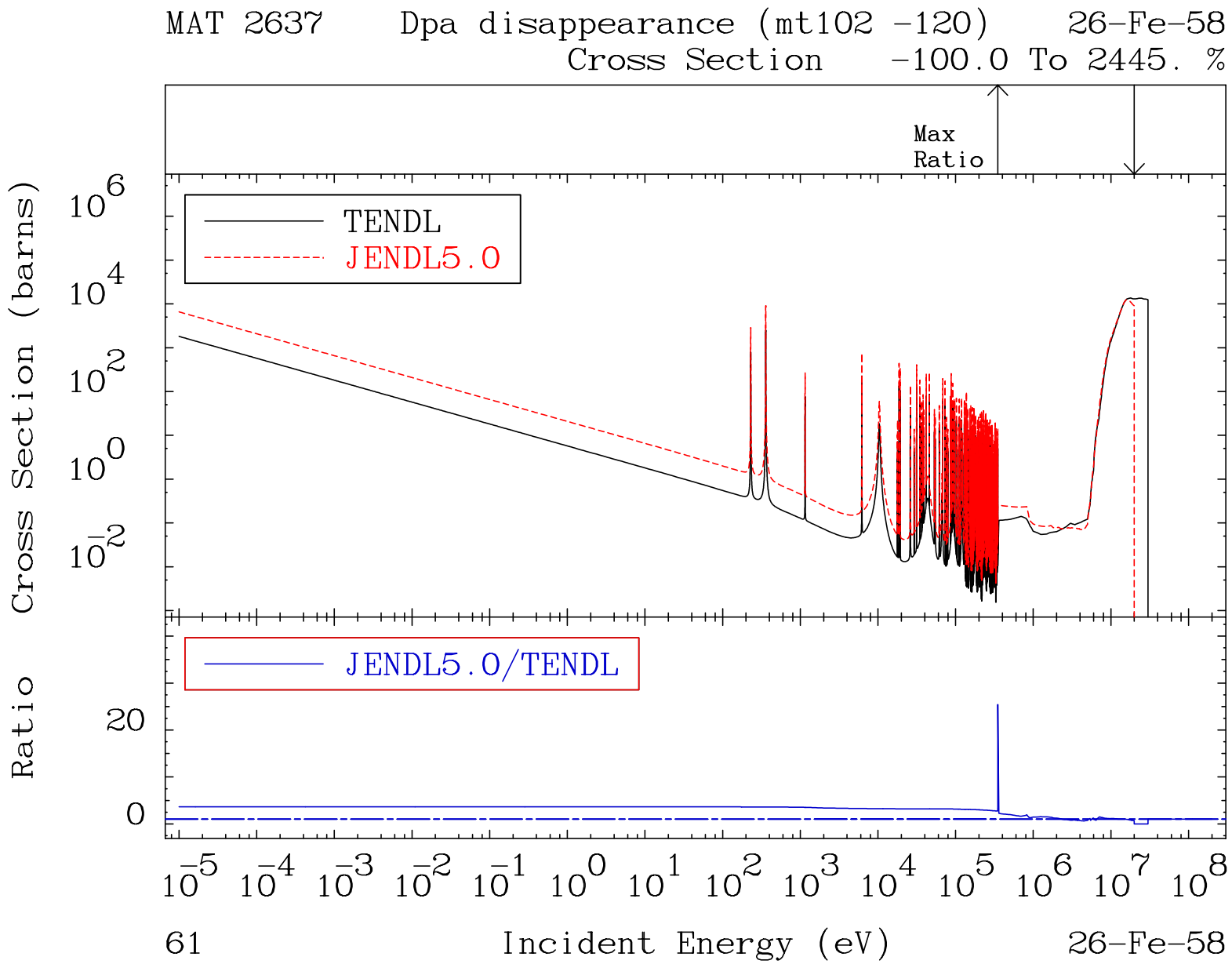

MAT 2637
Total photon (eV-barns)
26-Fe-58
Cross Section -145.7 To 142.9 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
800
600
400
200
0
-200
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
56
Incident Energy (eV)
26-Fe-58

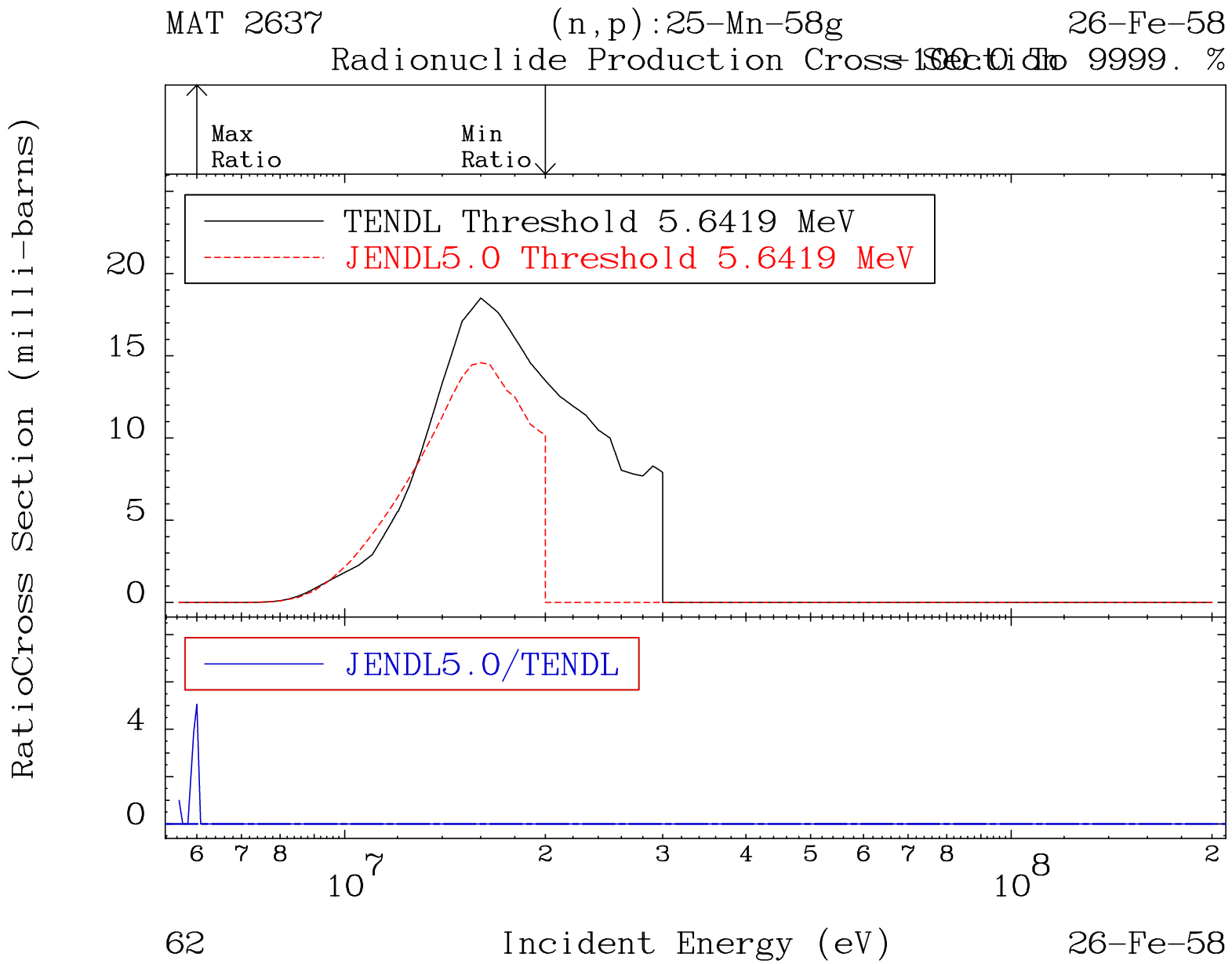

MAT 2637 Total kinematic kerma (high limit) 26-Fe-58
Cross Section -24.74 To 226.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
26-Fe-58

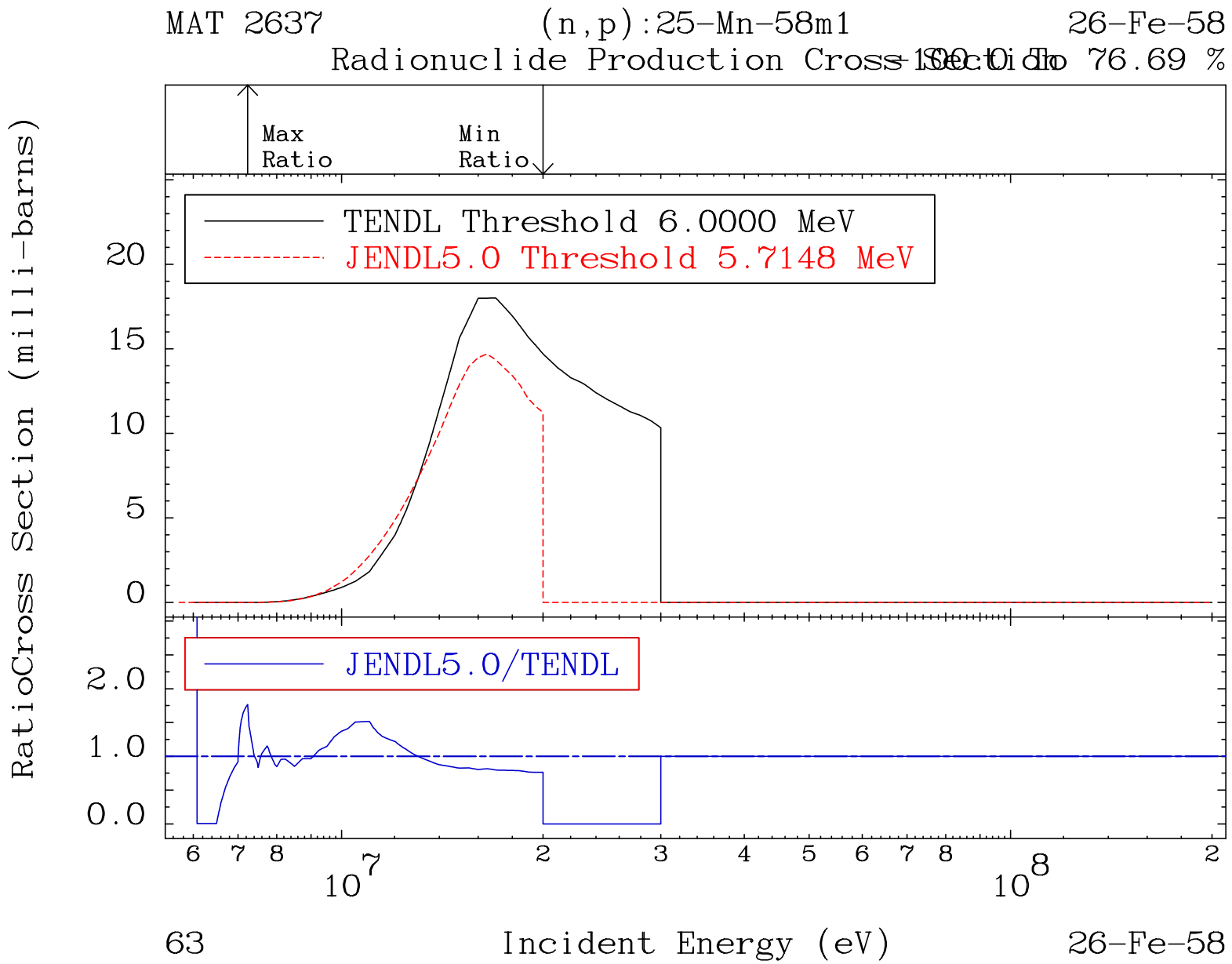

MAT 2637
Dpa total (eV-barns)
26-Fe-58
Cross Section -24.74 To 263.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
58
Incident Energy (eV)
26-Fe-58


MAT 2637
Dpa elastic (mt2)
Cross Section
26-Fe-58
-24.74 To 64.28 %
Max Ratio
Min Ratio
TENDL Threshold 562.50 eV
JENDL5.0 Threshold 562.50 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
26-Fe-58


MAT 2637
Dpa inelastic (mt51-91)
26-Fe-58
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 824.88 keV
JENDL5.0 Threshold 105.27 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
26-Fe-58


MAT 2637 Dpa disappearance (mt102 -120) 26-Fe-58
Cross Section -100.0 To 2445. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
26-Fe-58


MAT 2637
(n,p):25-Mn-58g
26-Fe-58
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.6419 MeV
JENDL5.0 Threshold 5.6419 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
62
26-Fe-58


MAT 2637
(n,p):25-Mn-58m1
26-Fe-58
Radionuclide Production Cross Section To 76.69 %
Max Ratio
Min Ratio
TENDL Threshold 6.0000 MeV
JENDL5.0 Threshold 5.7148 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
63
26-Fe-58