Program Complot
(Version 2018-1)
by
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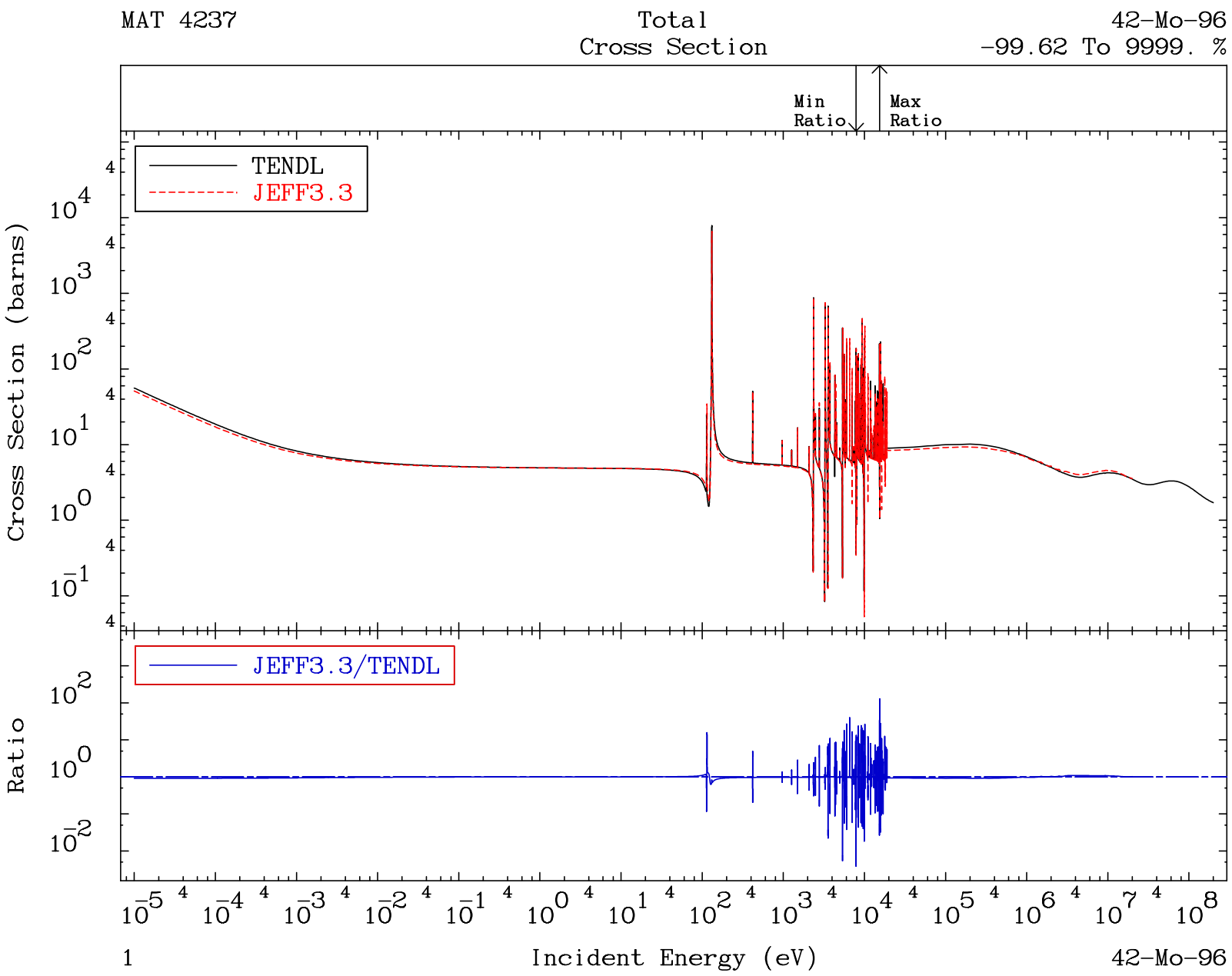
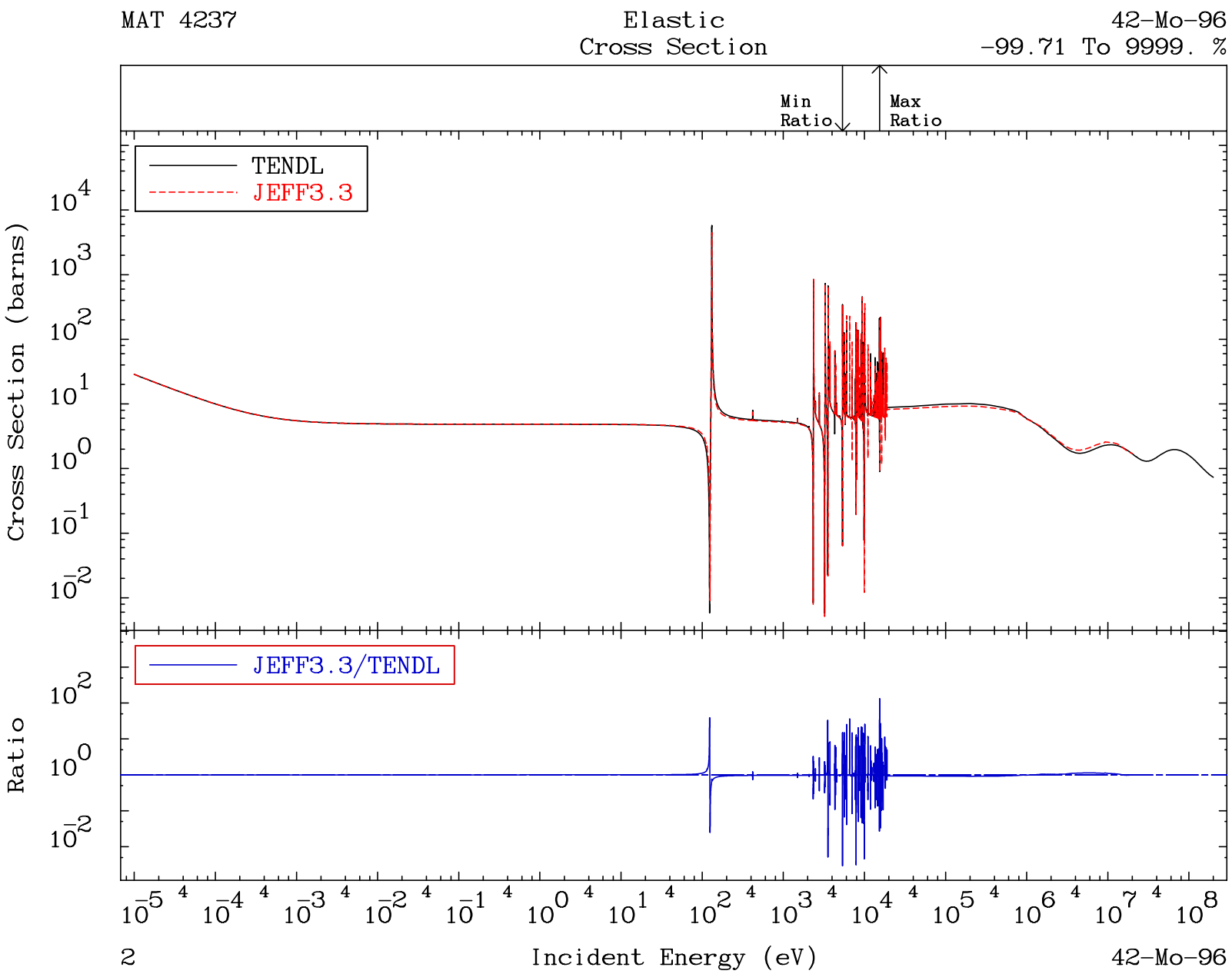
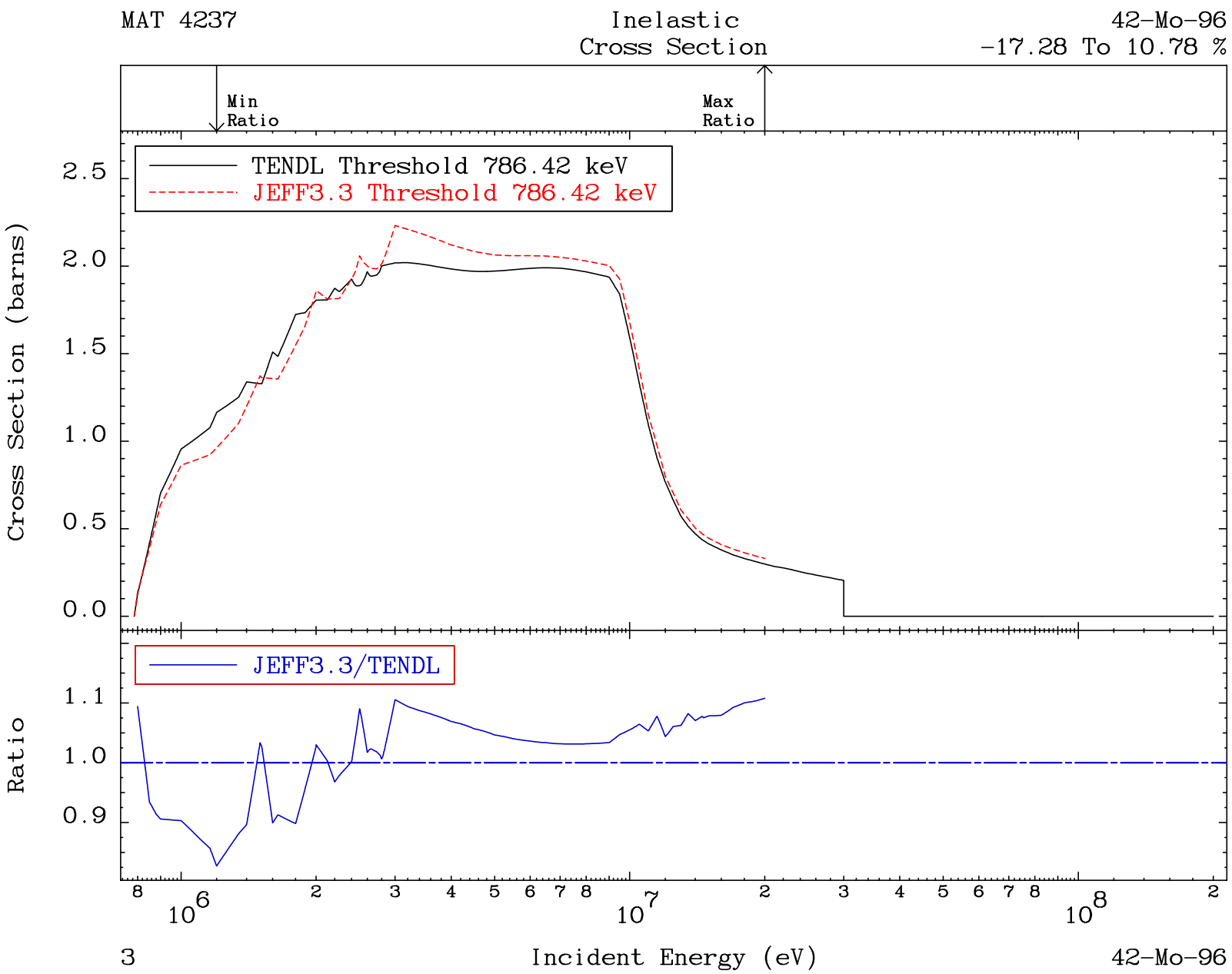
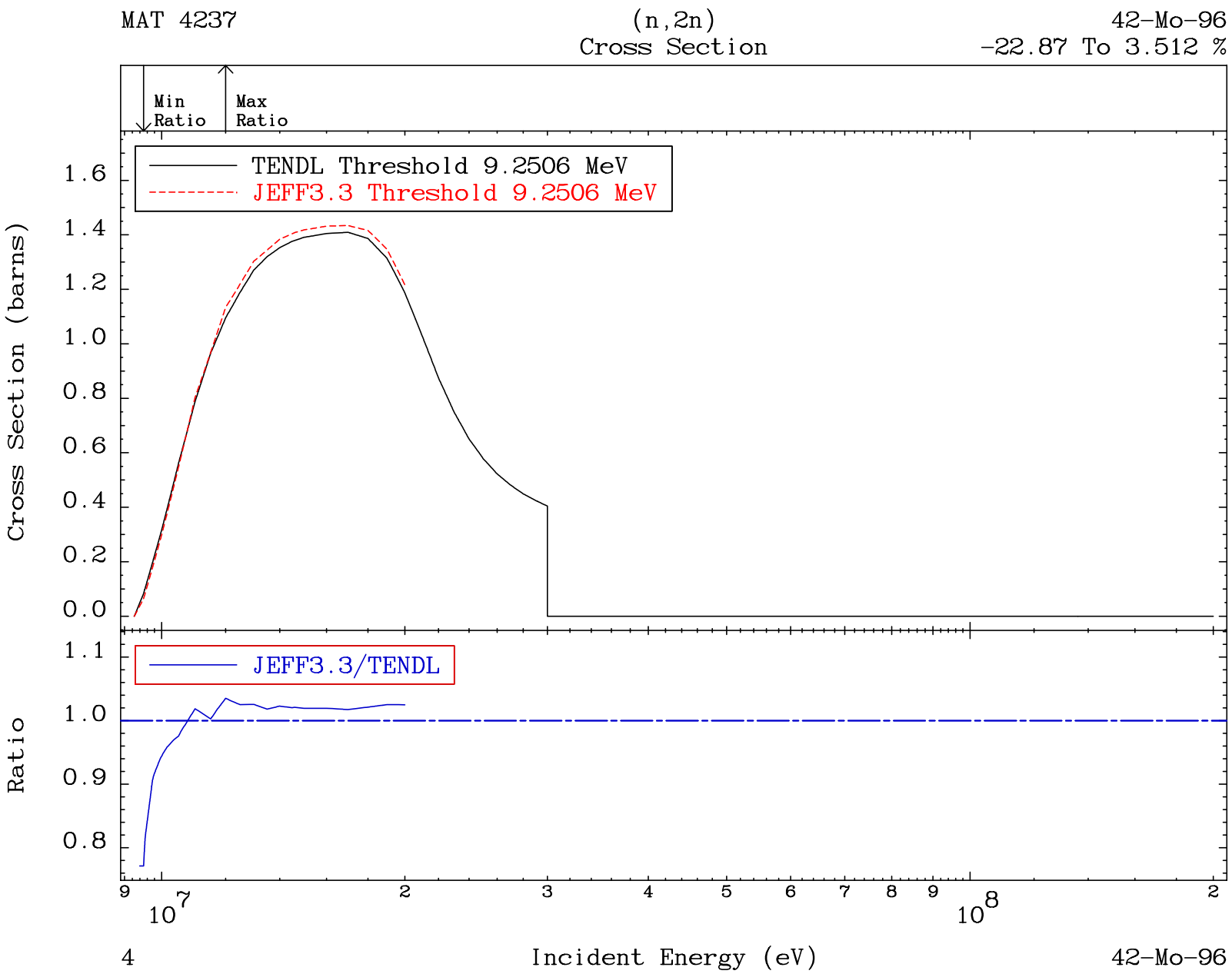
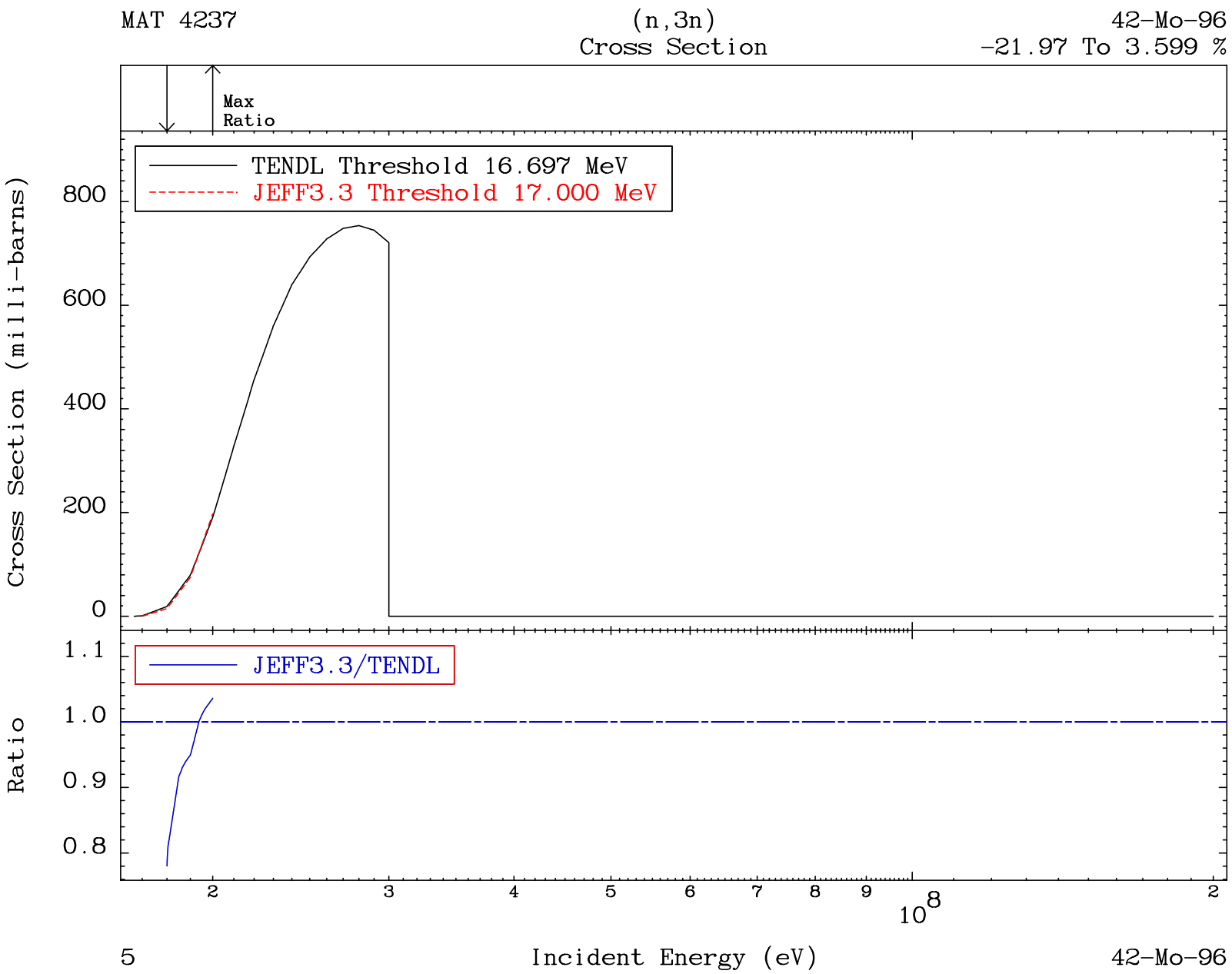
Press Mouse Button to Start

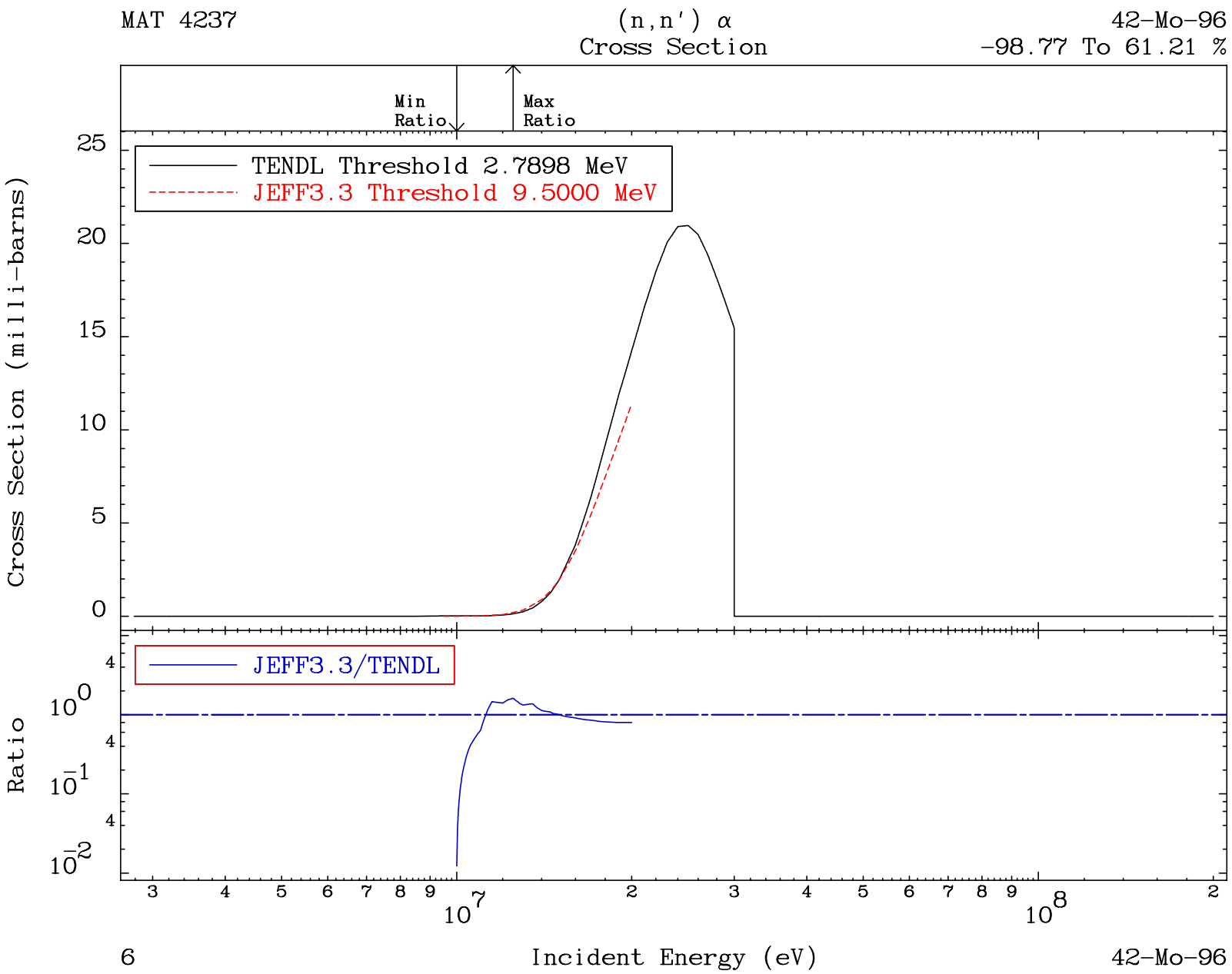

MAT 4237
Total
Cross Section
42-Mo-96
-99.62 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
42-Mo-96

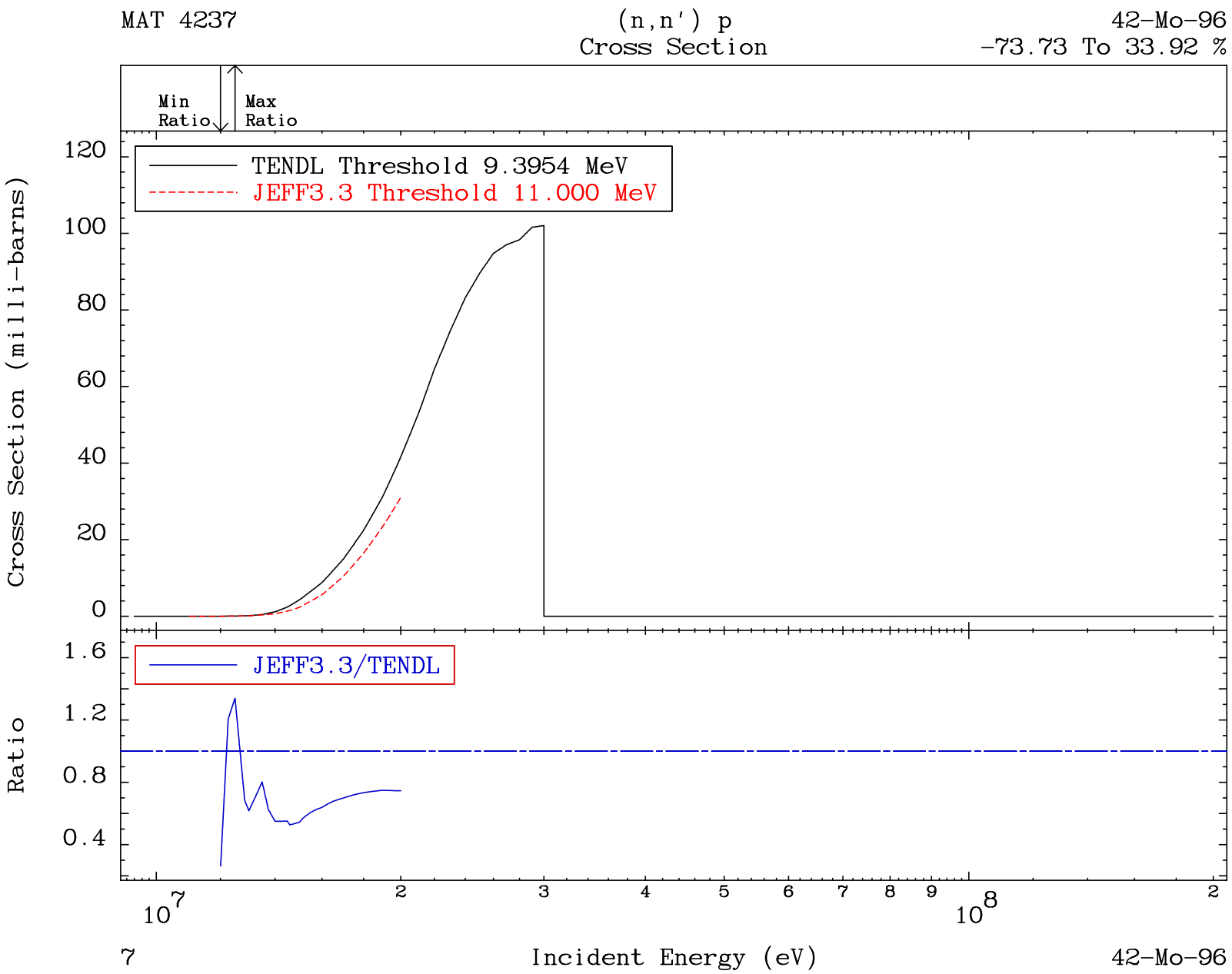

MAT 4237
Elastic
Cross Section
42-Mo-96
-99.71 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
42-Mo-96

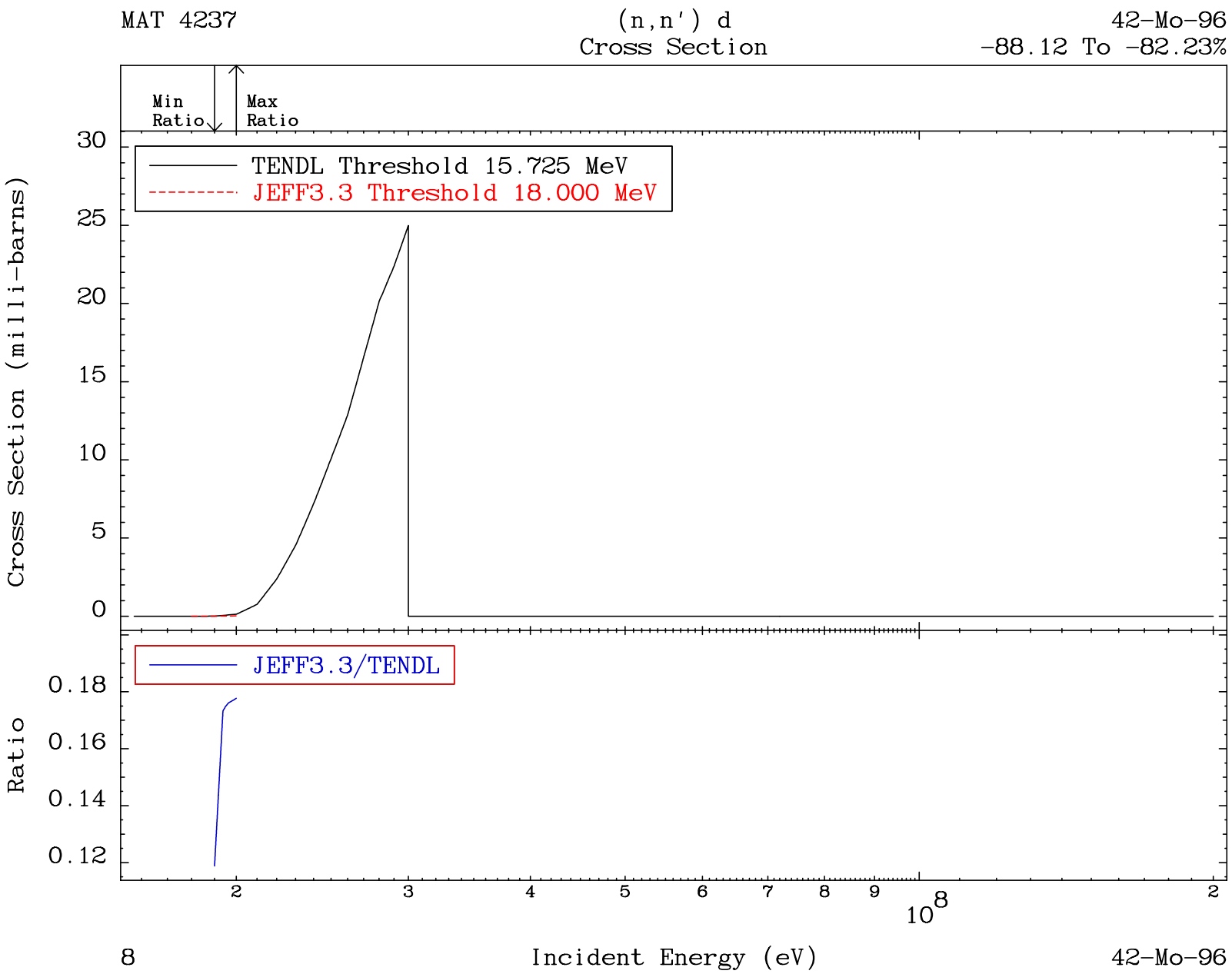

MAT 4237
Inelastic
Cross Section
42-Mo-96
-17.28 To 10.78 %
Min
Ratio
Max
Ratio
TENDL Threshold 786.42 keV
JEFF3.3 Threshold 786.42 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.1
1.0
0.9
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
42-Mo-96

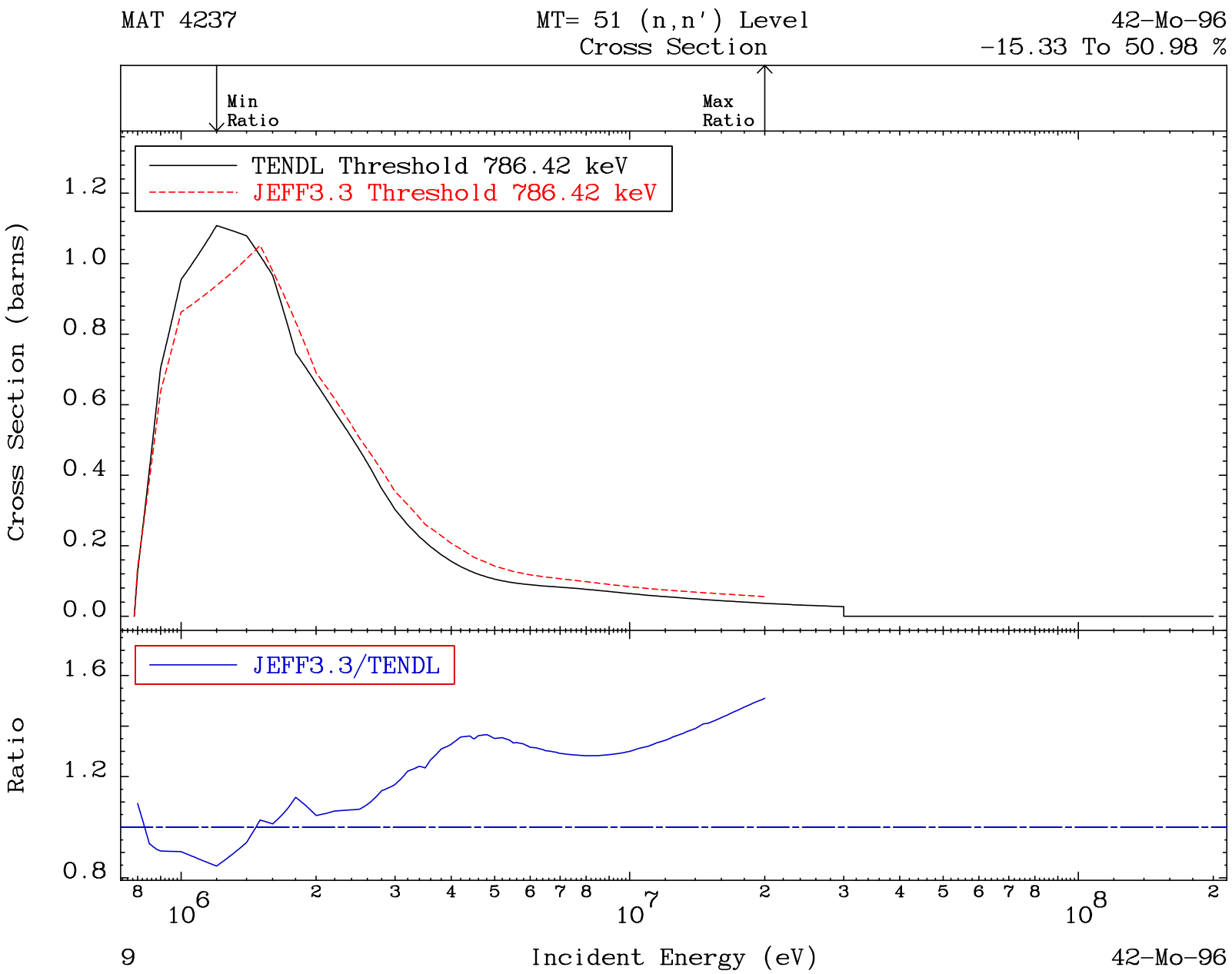

MAT 4237
(n,2n)
Cross Section
42-Mo-96
-22.87 To 3.512 %
Min Ratio
Max Ratio
TENDL Threshold 9.2506 MeV
JEFF3.3 Threshold 9.2506 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.1
1.0
0.9
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
42-Mo-96

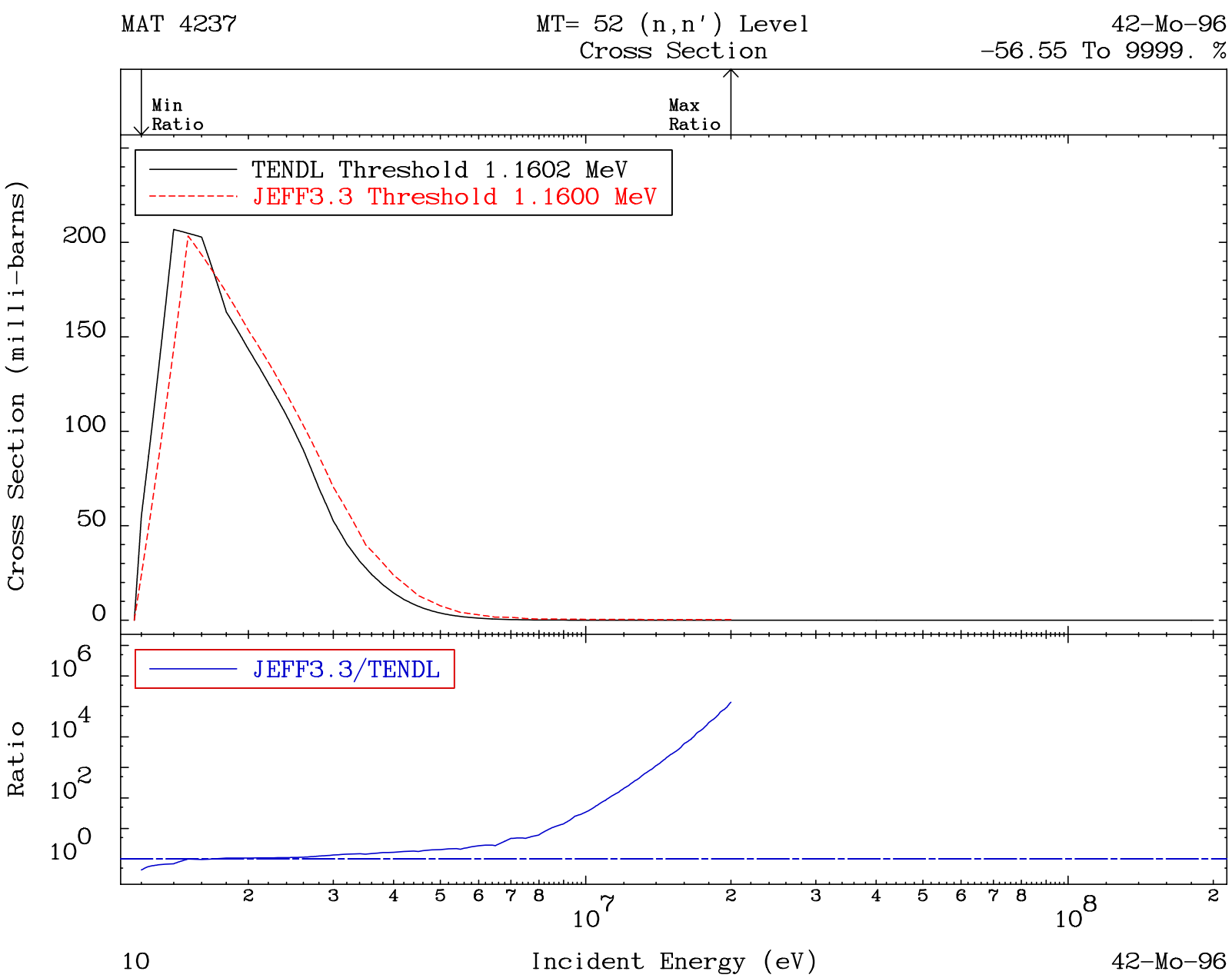

MAT 4237
(n,3n)
Cross Section
42-Mo-96
-21.97 To 3.599 %
Max
Ratio
TENDL Threshold 16.697 MeV
JEFF3.3 Threshold 17.000 MeV
Cross Section (milli-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.1
1.0
0.9
0.8
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
42-Mo-96

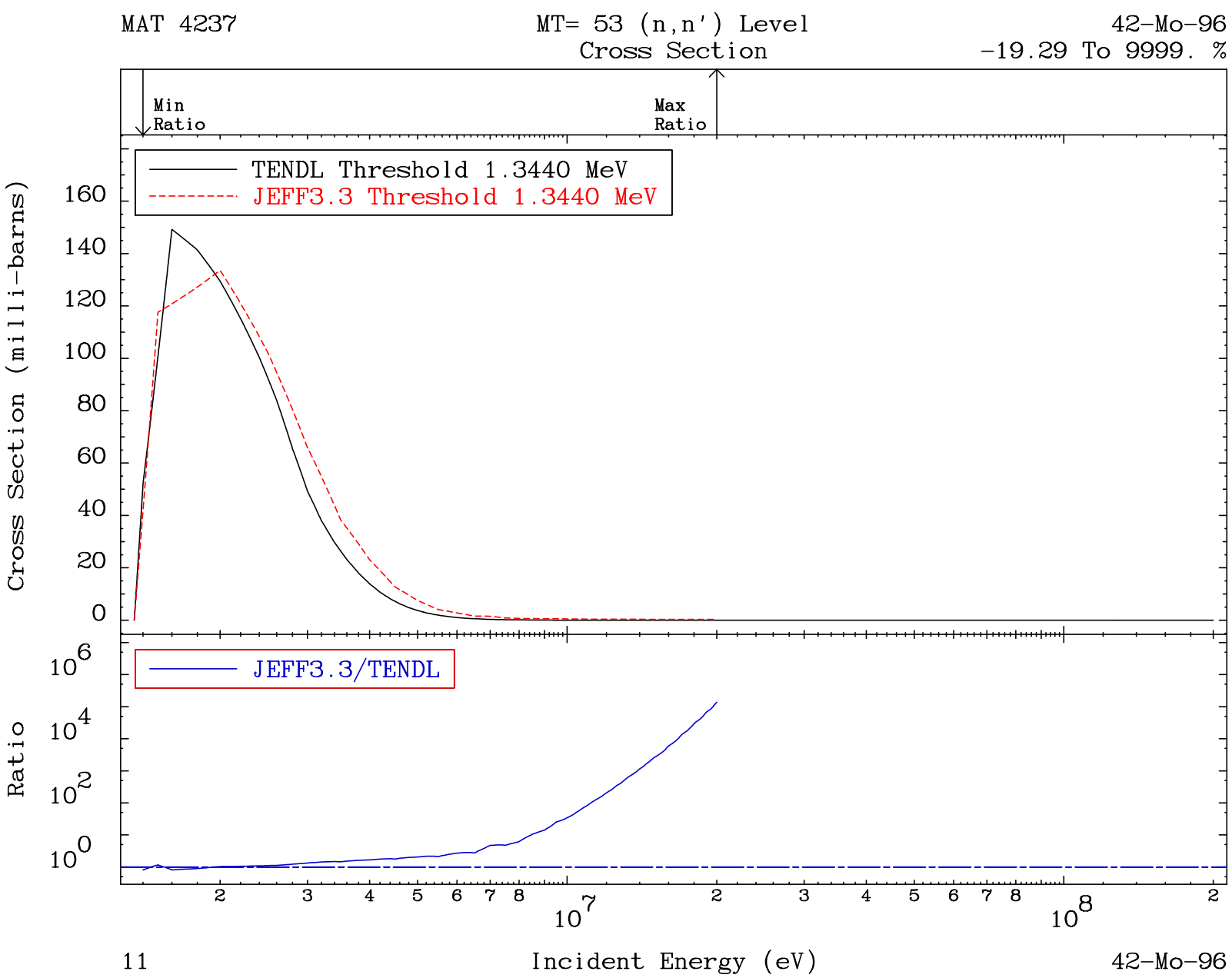

MAT 4237
(n,n') α
Cross Section
42-Mo-96
-98.77 To 61.21 %
Min Ratio
Max Ratio
TENDL Threshold 2.7898 MeV
JEFF3.3 Threshold 9.5000 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
6
42-Mo-96

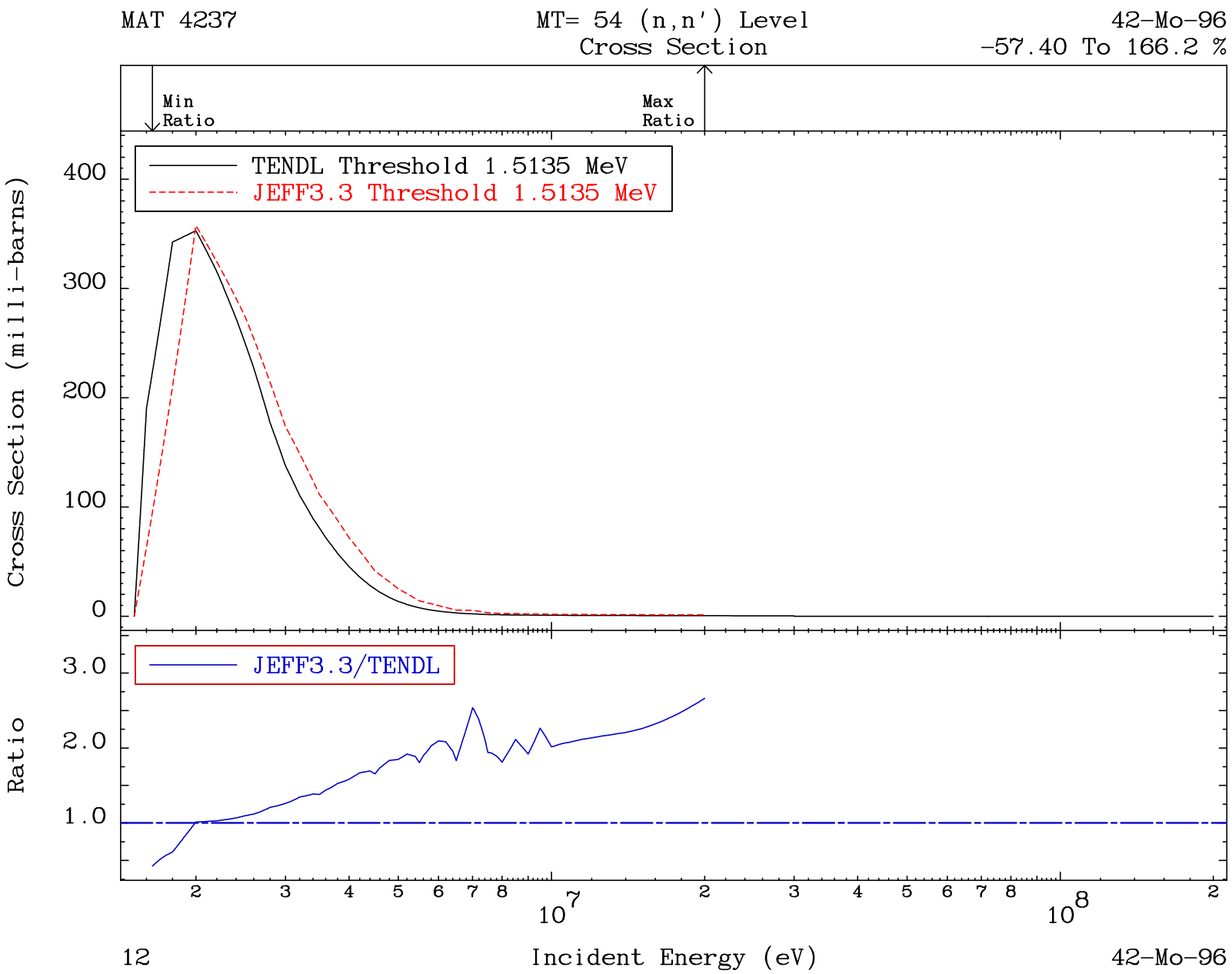

MAT 4237
(n,n') p
Cross Section
42-Mo-96
-73.73 To 33.92 %
Min Ratio
Max Ratio
TENDL Threshold 9.3954 MeV
JEFF3.3 Threshold 11.000 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
0.4
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
42-Mo-96

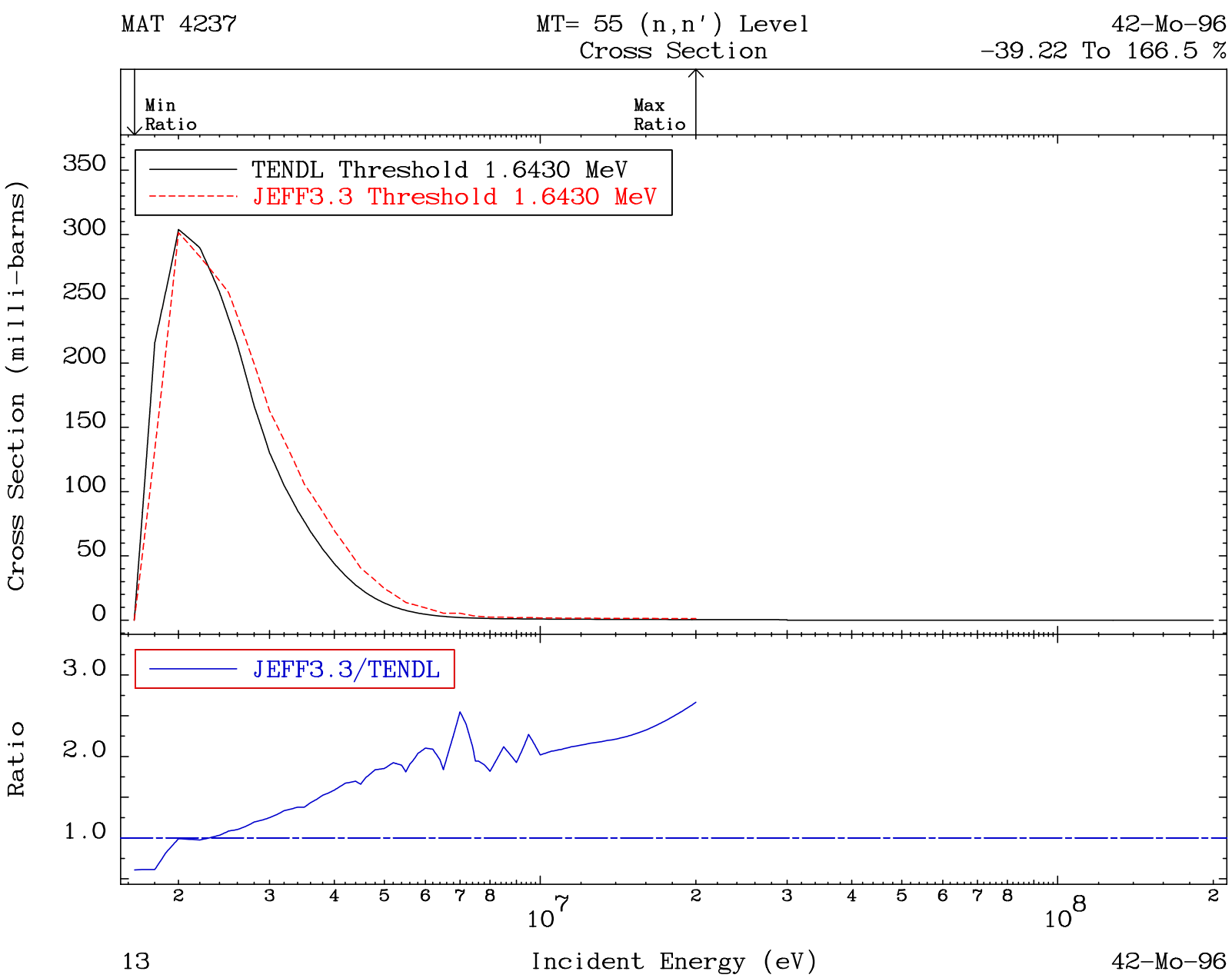

MAT 4237
(n,n') d
Cross Section
42-Mo-96
-88.12 To -82.23%
Min Ratio
Max Ratio
TENDL Threshold 15.725 MeV
JEFF3.3 Threshold 18.000 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
0.18
0.16
0.14
0.12
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
42-Mo-96

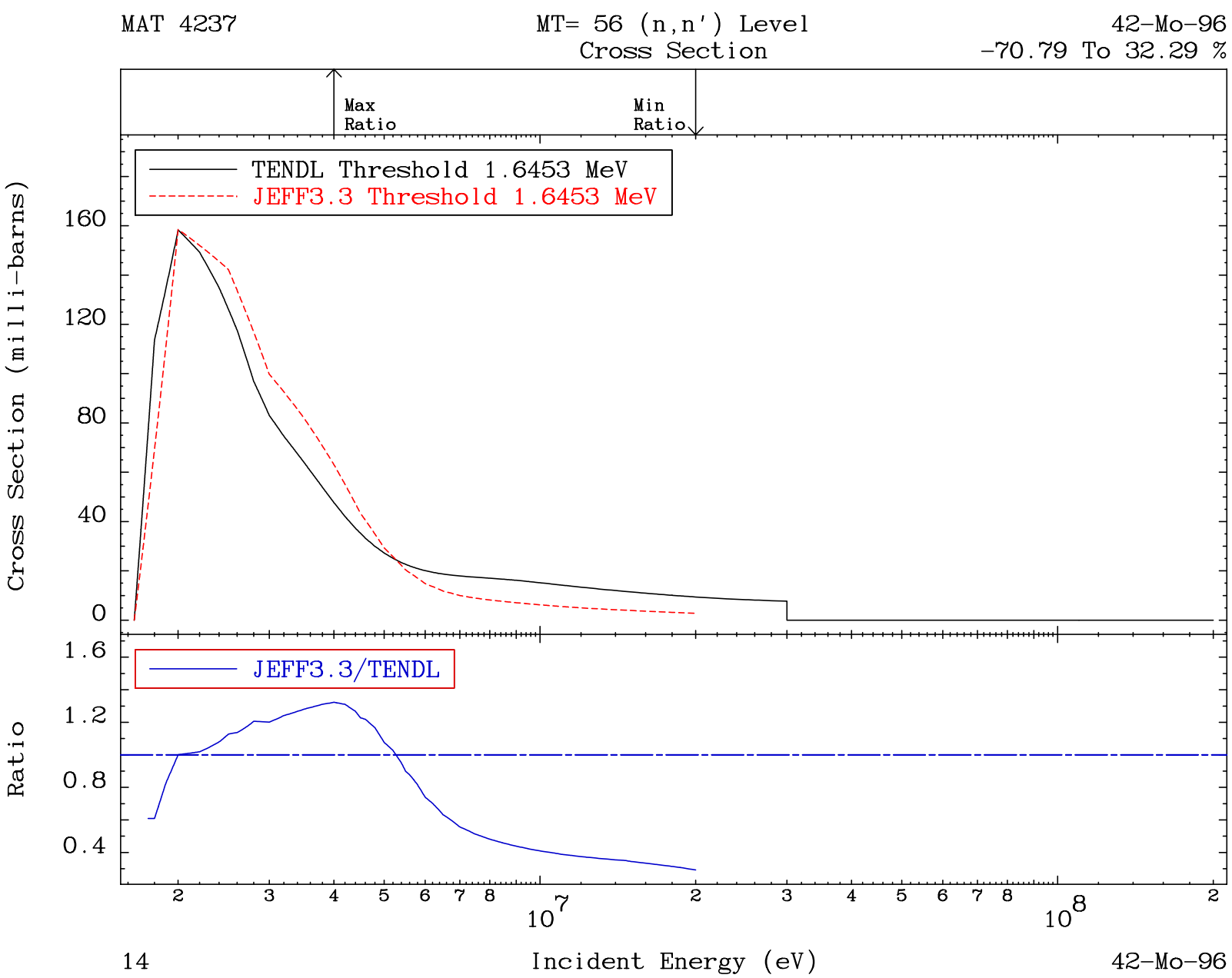

MAT 4237
MT= 51 (n,n') Level
Cross Section
42-Mo-96
-15.33 To 50.98 %
Min
Ratio
Max
Ratio
TENDL Threshold 786.42 keV
JEFF3.3 Threshold 786.42 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
8
2
3
4
5
6
7
8
10^6
10^7
10^8
9
Incident Energy (eV)
42-Mo-96

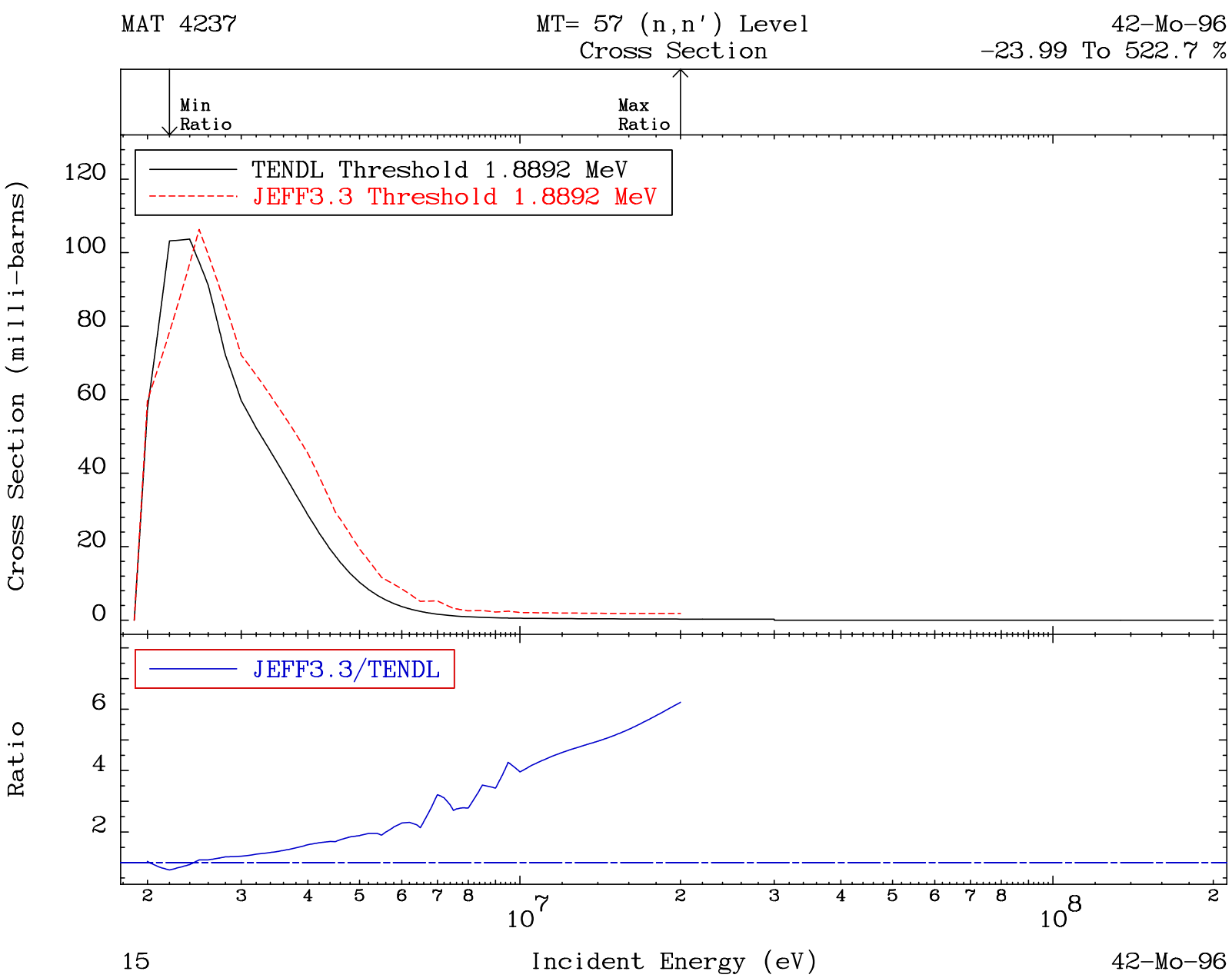

MAT 4237
MT= 52 (n,n') Level
Cross Section
42-Mo-96
-56.55 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1602 MeV
JEFF3.3 Threshold 1.1600 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
42-Mo-96

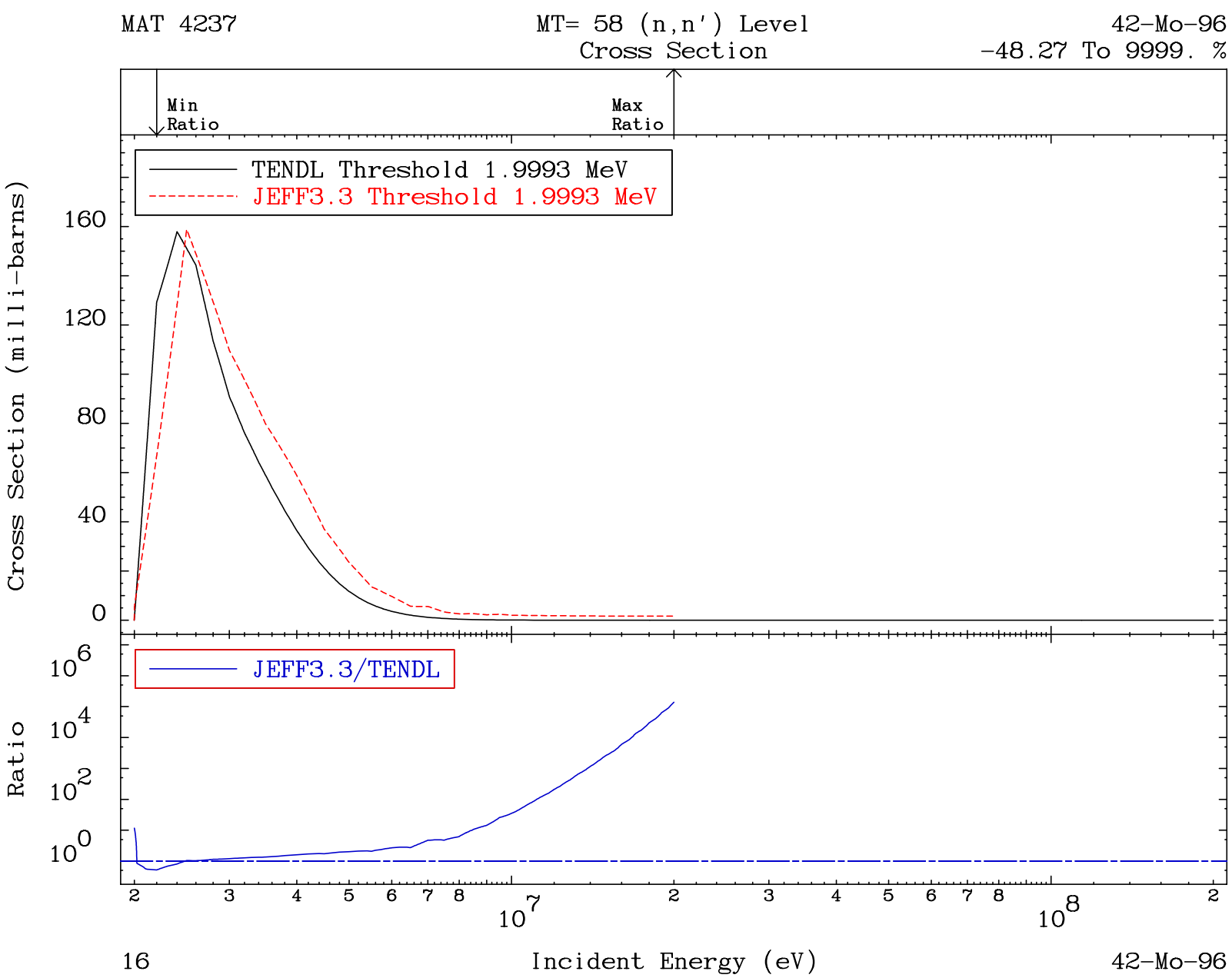

MAT 4237
MT= 53 (n,n') Level
Cross Section
42-Mo-96
-19.29 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.3440 MeV
JEFF3.3 Threshold 1.3440 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
11
Incident Energy (eV)
42-Mo-96

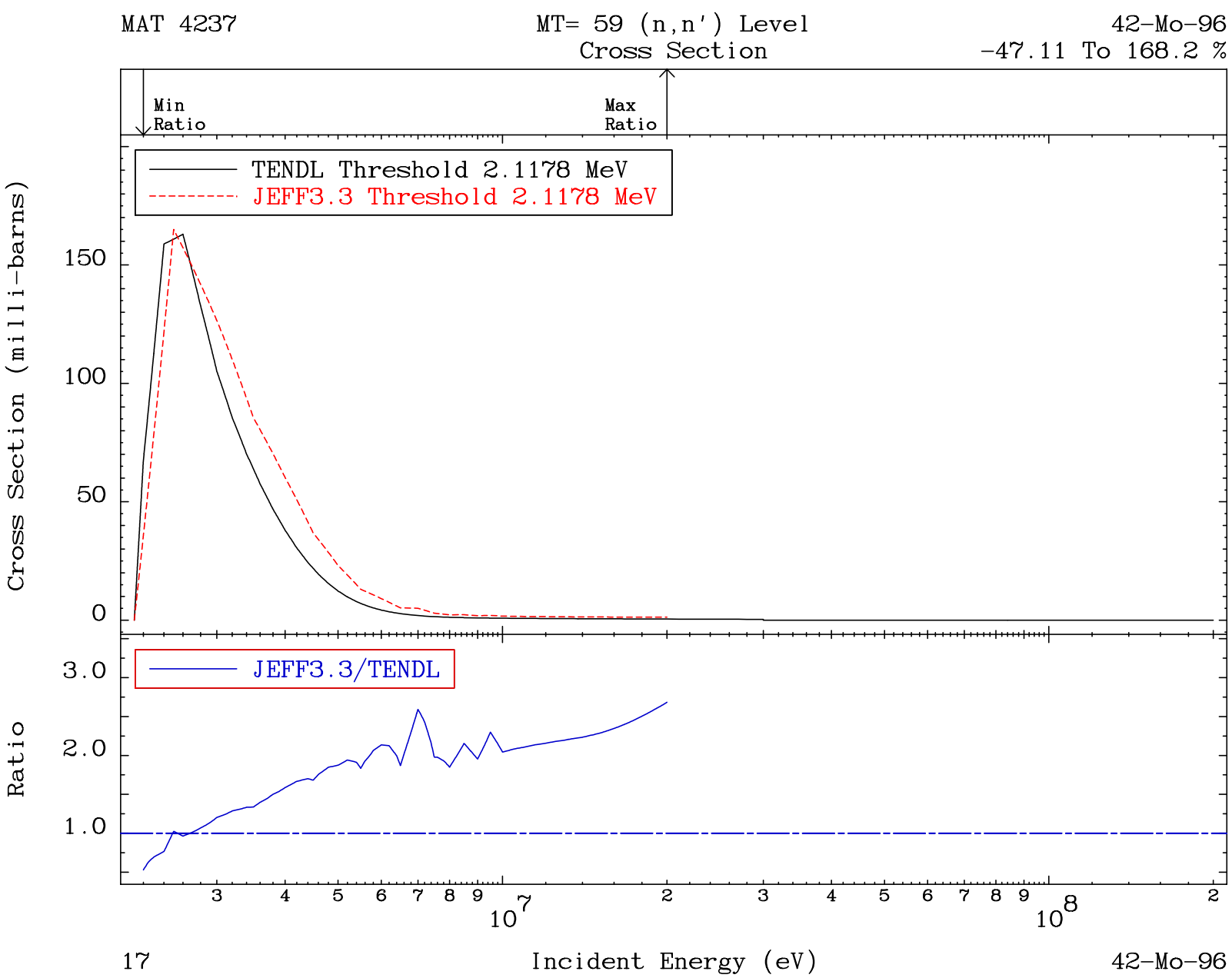

MAT 4237
MT= 54 (n,n') Level
Cross Section
42-Mo-96
-57.40 To 166.2 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.5135 MeV
JEFF3.3 Threshold 1.5135 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
12
Incident Energy (eV)
42-Mo-96

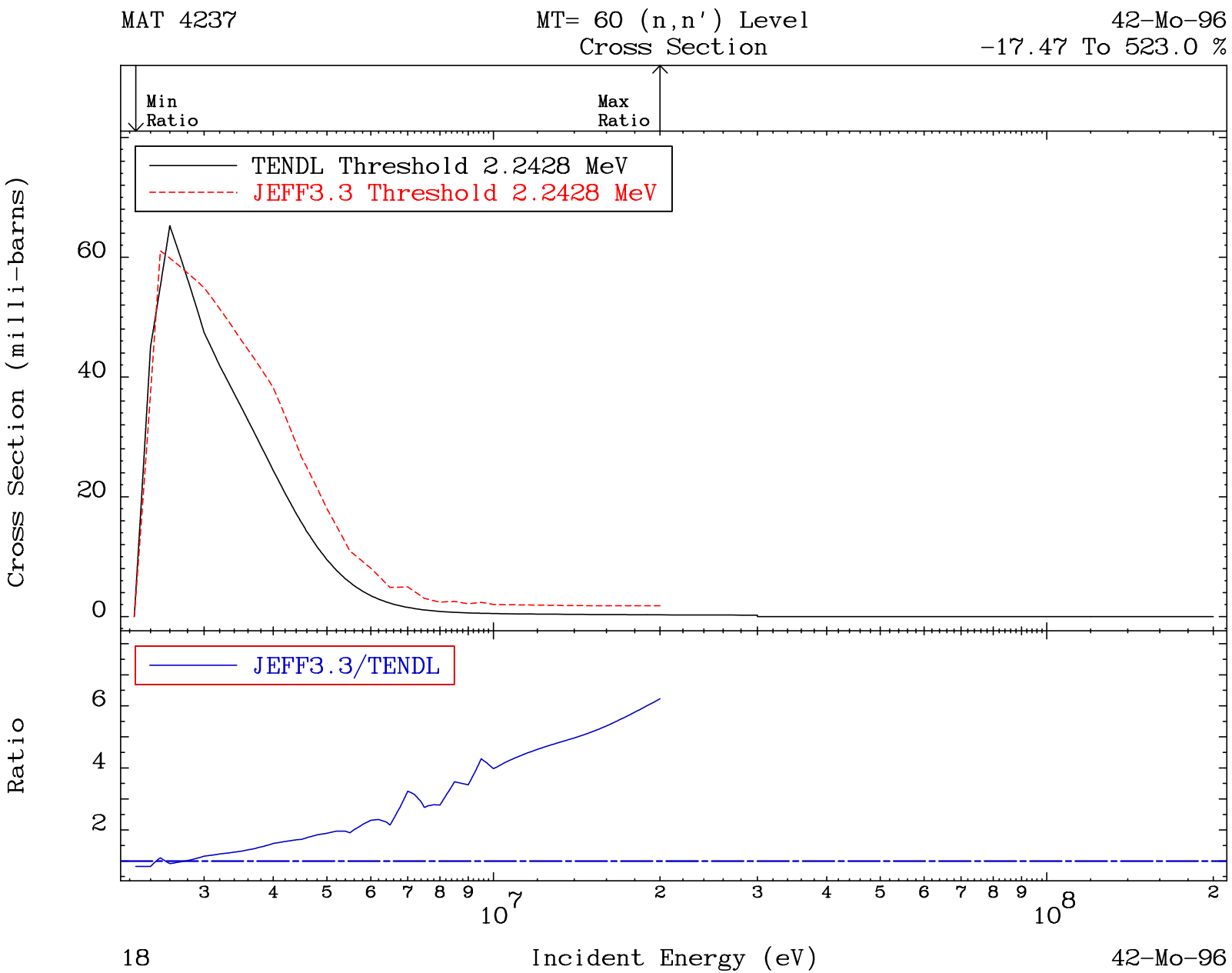

MAT 4237
MT= 55 (n,n') Level
Cross Section
42-Mo-96
-39.22 To 166.5 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.6430 MeV
JEFF3.3 Threshold 1.6430 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
13
Incident Energy (eV)
42-Mo-96

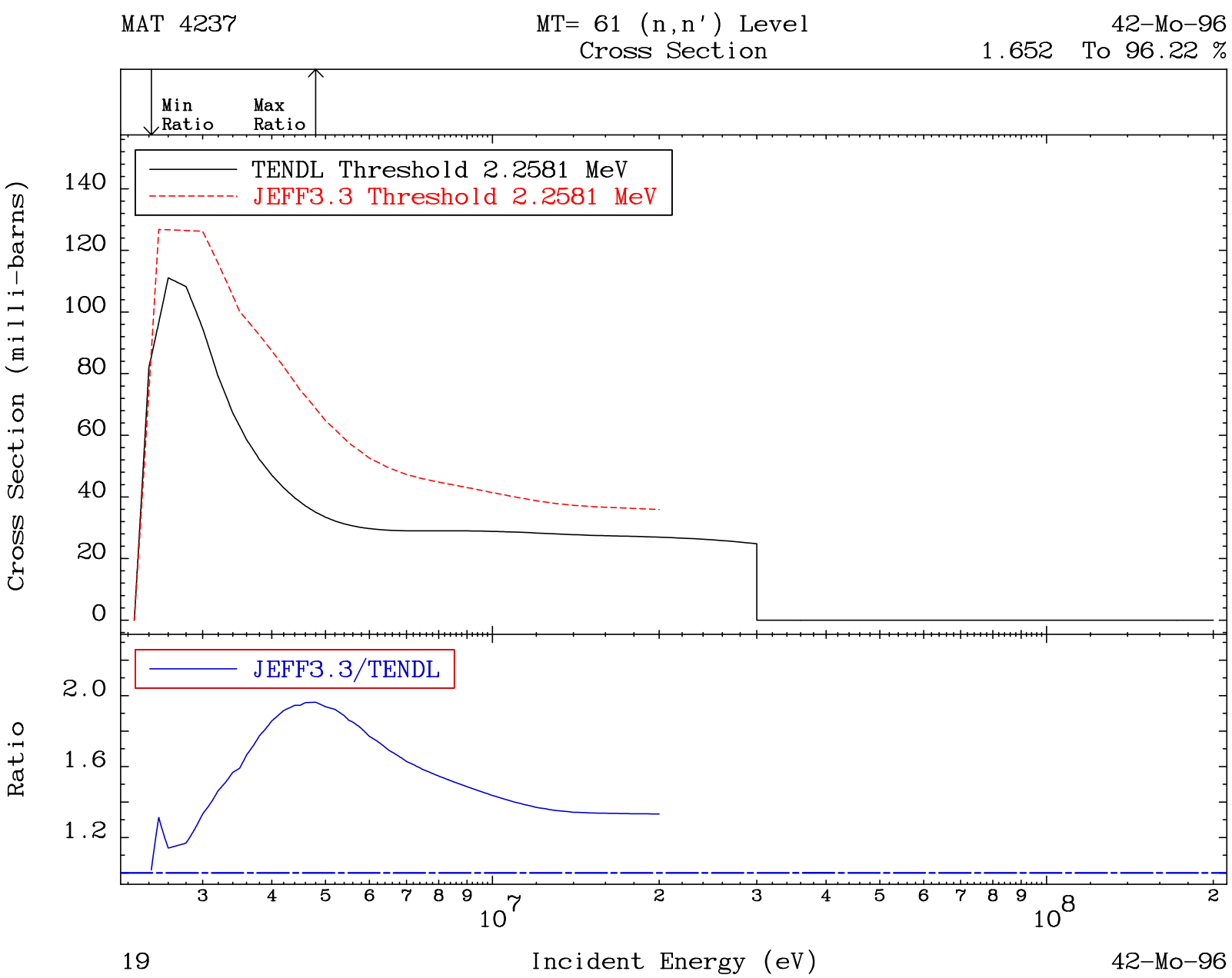

MAT 4237
MT= 56 (n,n') Level
Cross Section
42-Mo-96
-70.79 To 32.29 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.6453 MeV
JEFF3.3 Threshold 1.6453 MeV
Cross Section (milli-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
1.6
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
14
Incident Energy (eV)
42-Mo-96

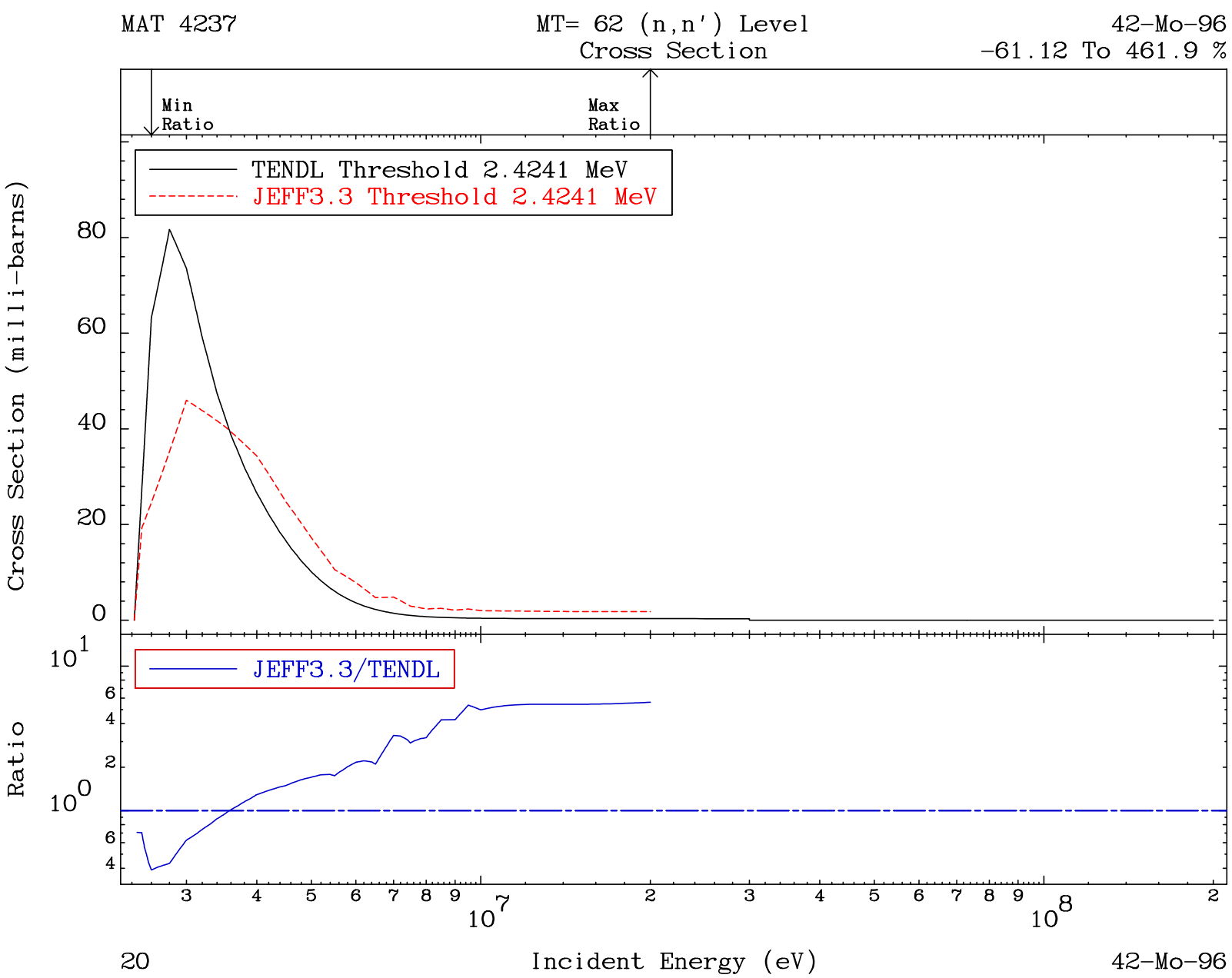

MAT 4237
MT= 57 (n,n') Level
Cross Section
42-Mo-96
-23.99 To 522.7 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.8892 MeV
JEFF3.3 Threshold 1.8892 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
6
4
2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
42-Mo-96

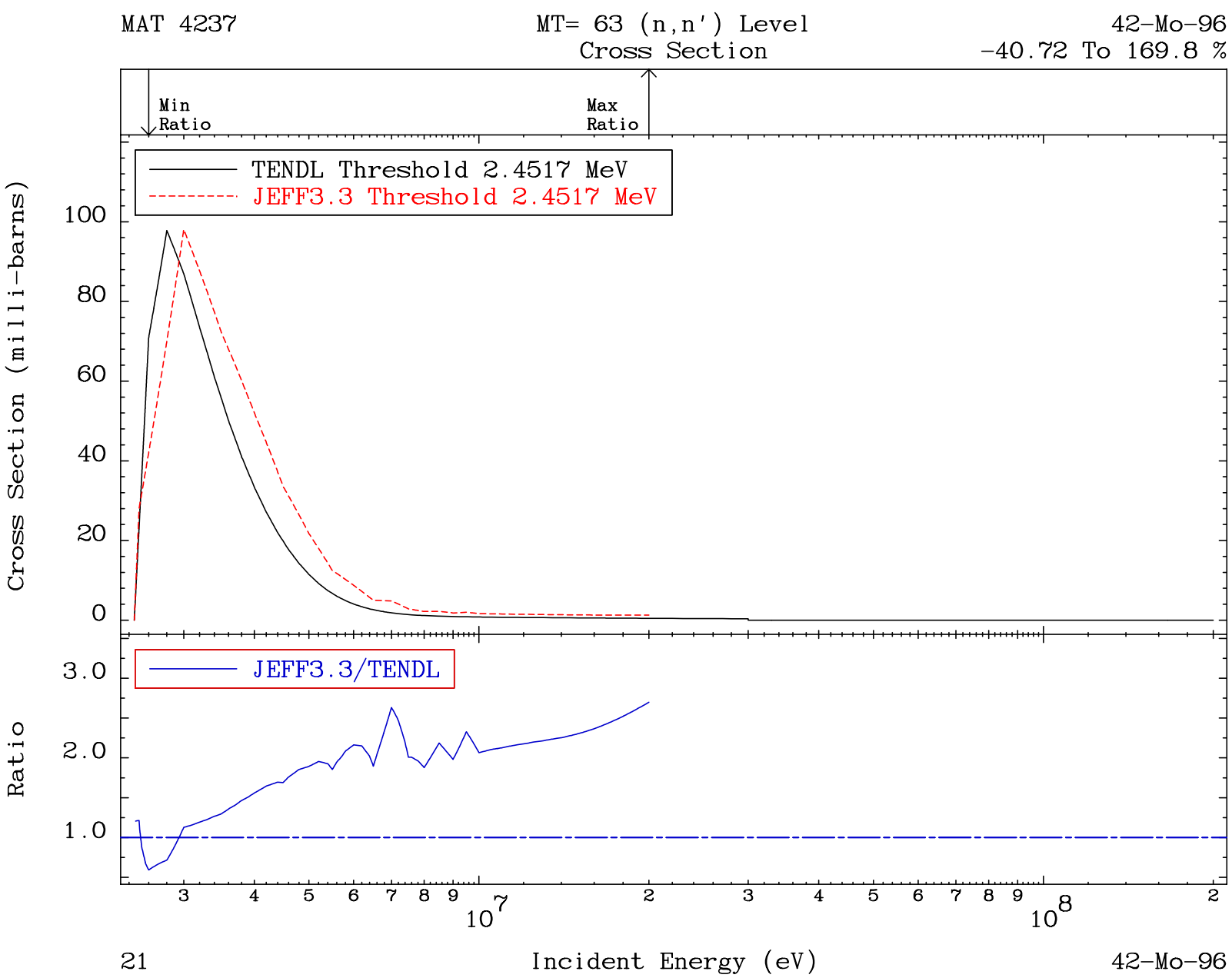

MAT 4237
MT= 58 (n,n') Level
Cross Section
42-Mo-96
-48.27 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.9993 MeV
JEFF3.3 Threshold 1.9993 MeV
Cross Section (milli-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
42-Mo-96

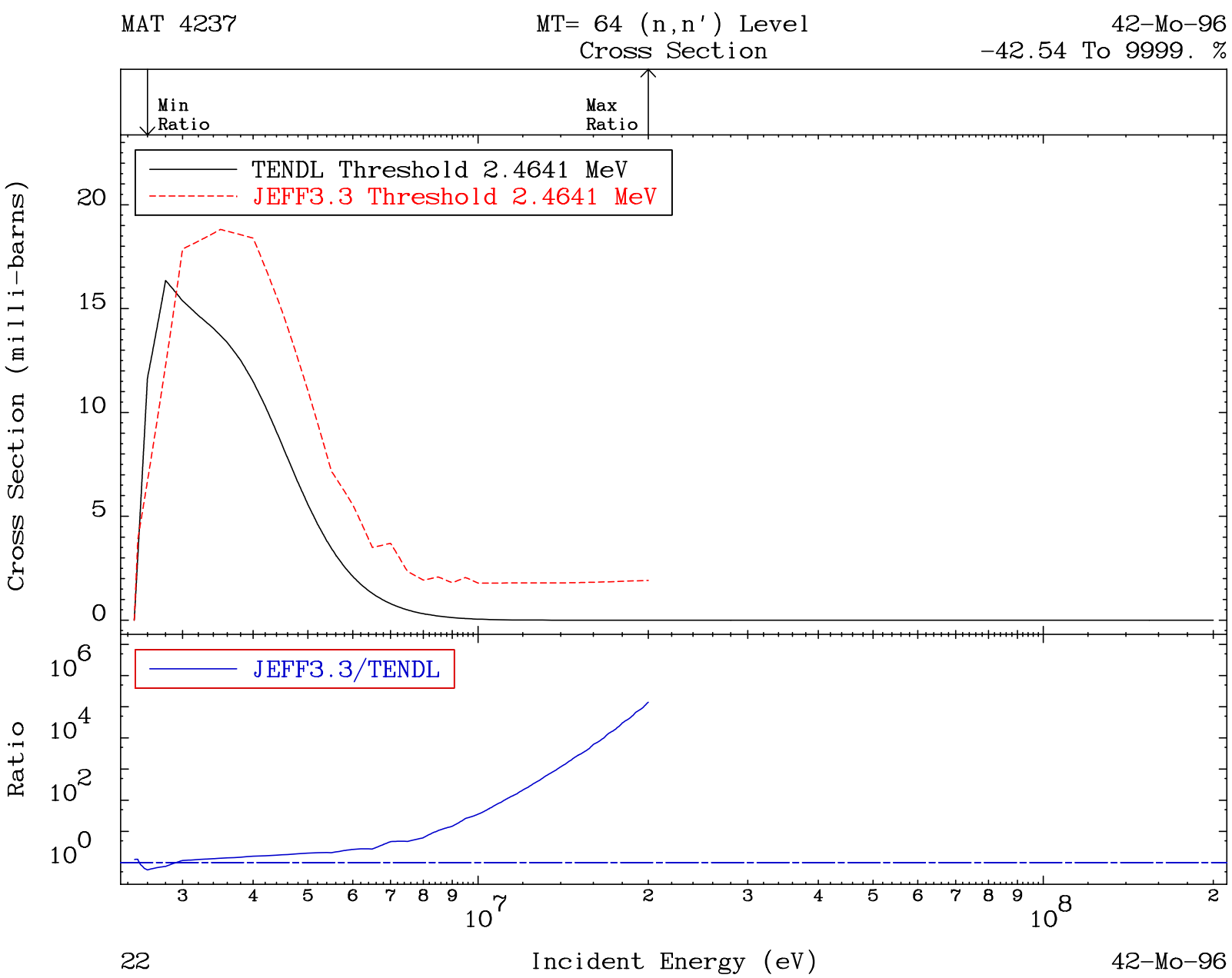

MAT 4237
MT= 59 (n,n') Level
Cross Section
42-Mo-96
-47.11 To 168.2 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.1178 MeV
JEFF3.3 Threshold 2.1178 MeV
Cross Section (milli-barns)
150
100
50
0
JEFF3.3/TENDL
Ratio
3.0
2.0
1.0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
42-Mo-96

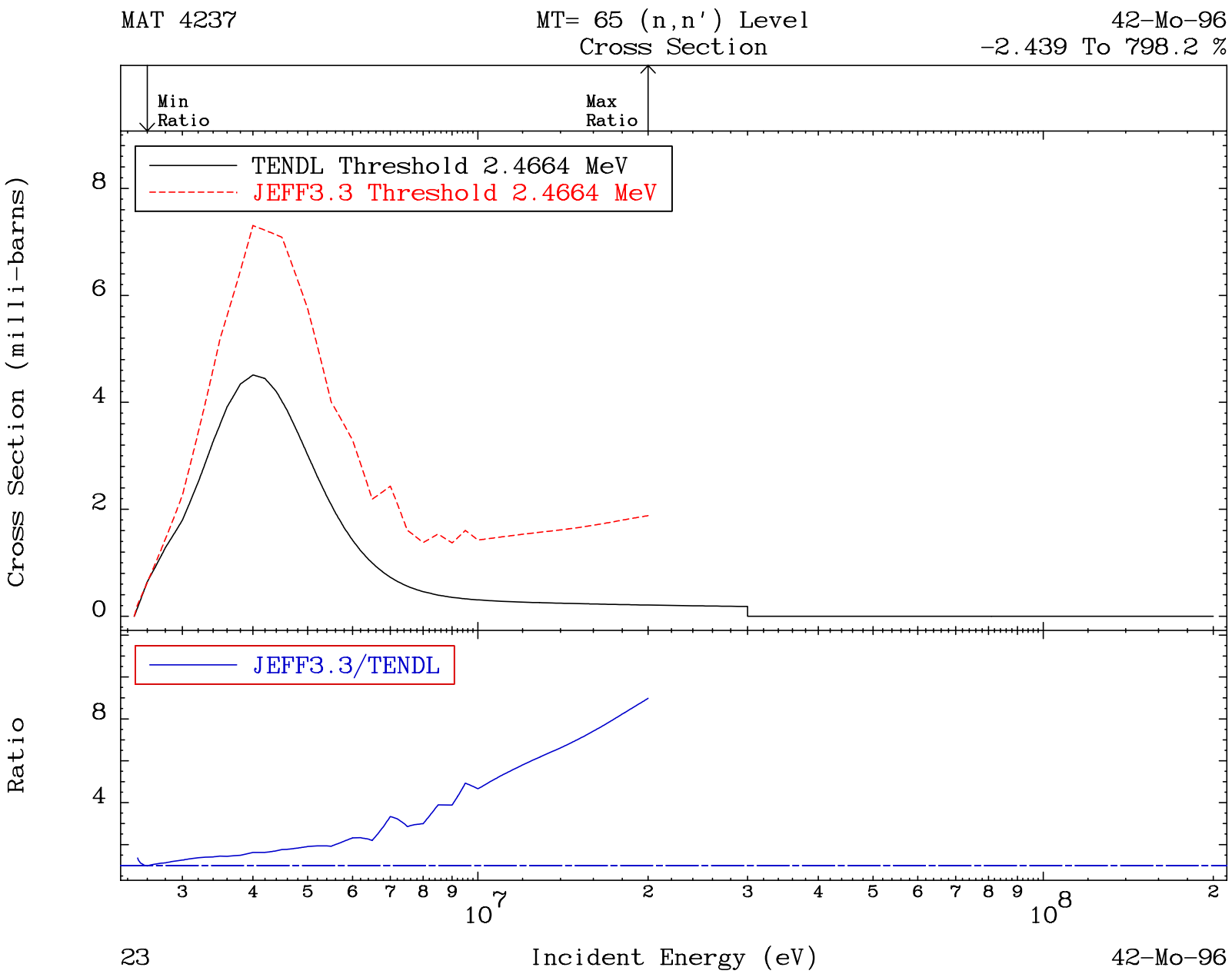

MAT 4237
MT= 60 (n,n') Level
Cross Section
42-Mo-96
-17.47 To 523.0 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.2428 MeV
JEFF3.3 Threshold 2.2428 MeV
Cross Section (milli-barns)
60
40
20
0
JEFF3.3/TENDL
Ratio
6
4
2
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
18
Incident Energy (eV)
42-Mo-96

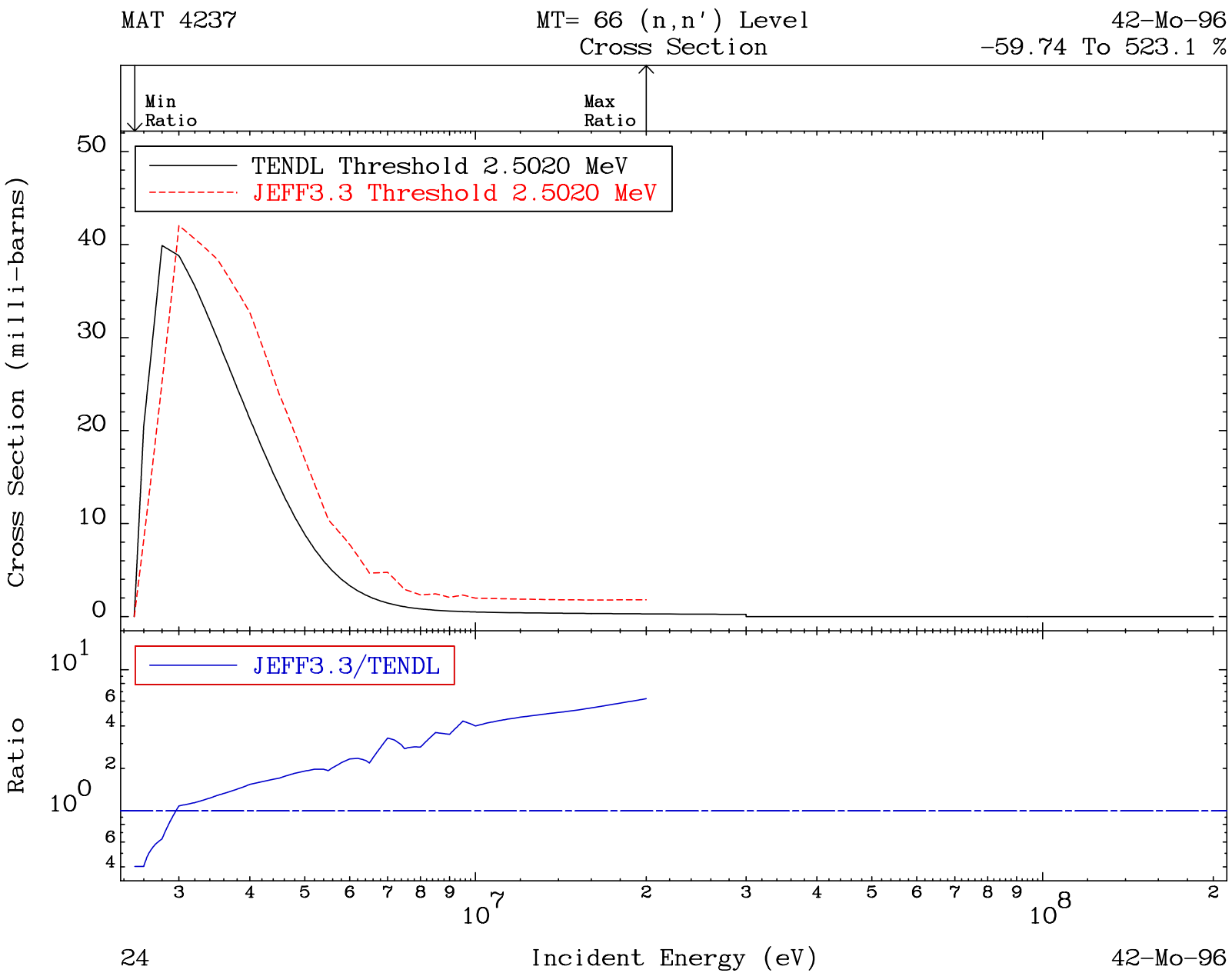

MAT 4237
MT= 61 (n,n') Level
Cross Section
42-Mo-96
1.652 To 96.22 %
Min Ratio
Max Ratio
TENDL Threshold 2.2581 MeV
JEFF3.3 Threshold 2.2581 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
2.0
1.6
1.2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
42-Mo-96

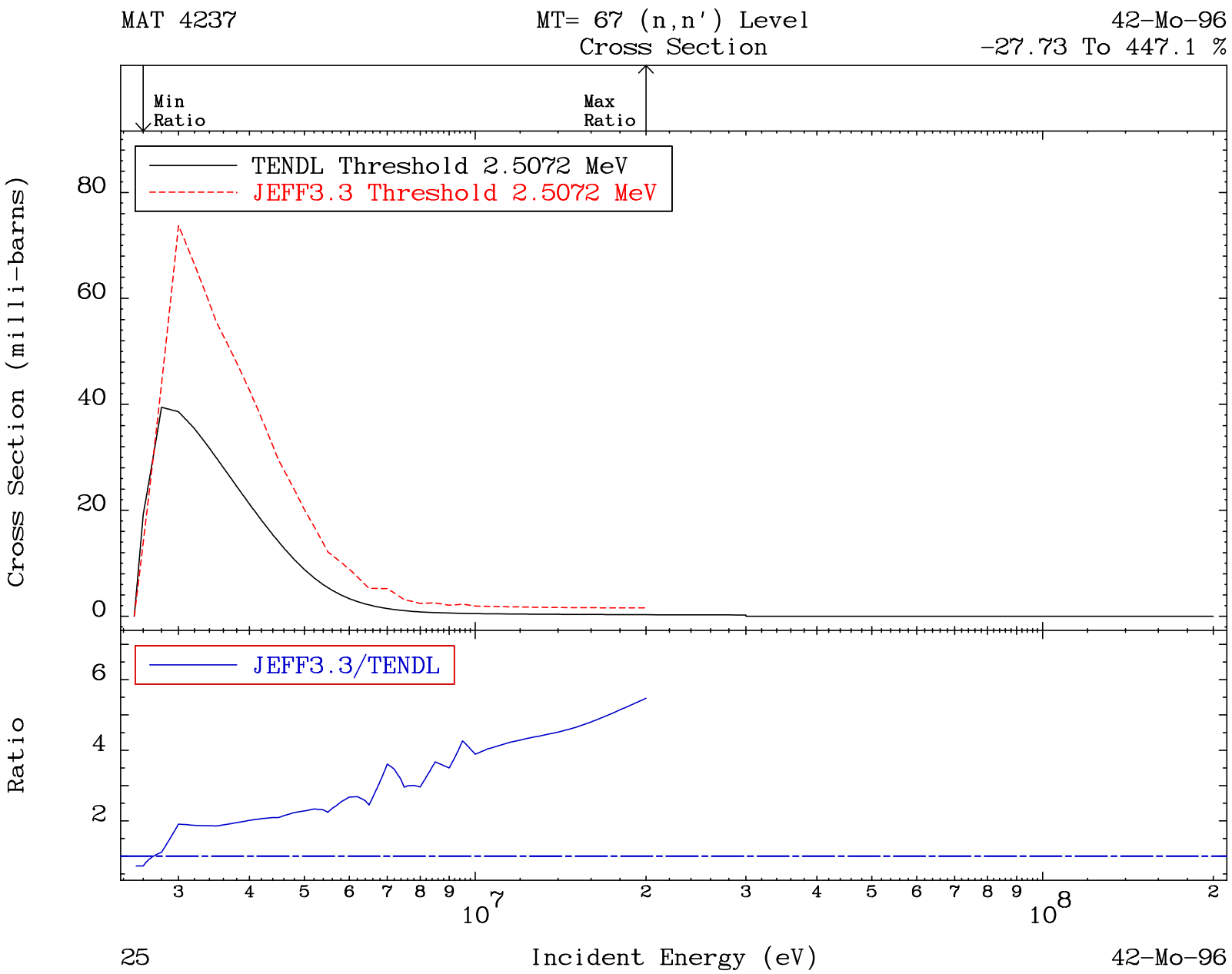

MAT 4237
MT= 62 (n,n') Level
Cross Section
42-Mo-96
-61.12 To 461.9 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4241 MeV
JEFF3.3 Threshold 2.4241 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^1
10^0
6
4
2
6
4
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
20
Incident Energy (eV)
42-Mo-96

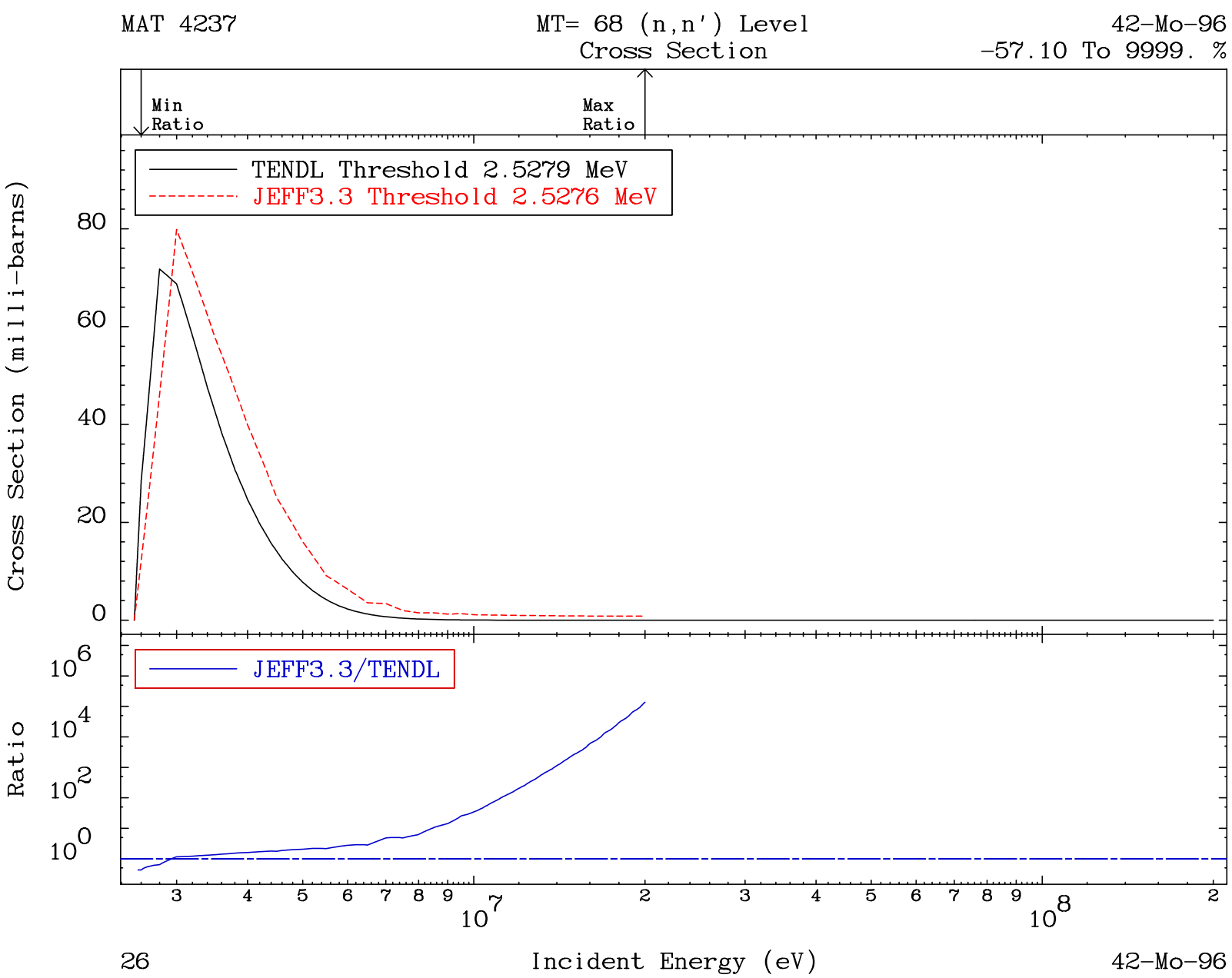

MAT 4237
MT= 63 (n,n') Level
Cross Section
42-Mo-96
-40.72 To 169.8 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4517 MeV
JEFF3.3 Threshold 2.4517 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
3.0
2.0
1.0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
21
Incident Energy (eV)
42-Mo-96

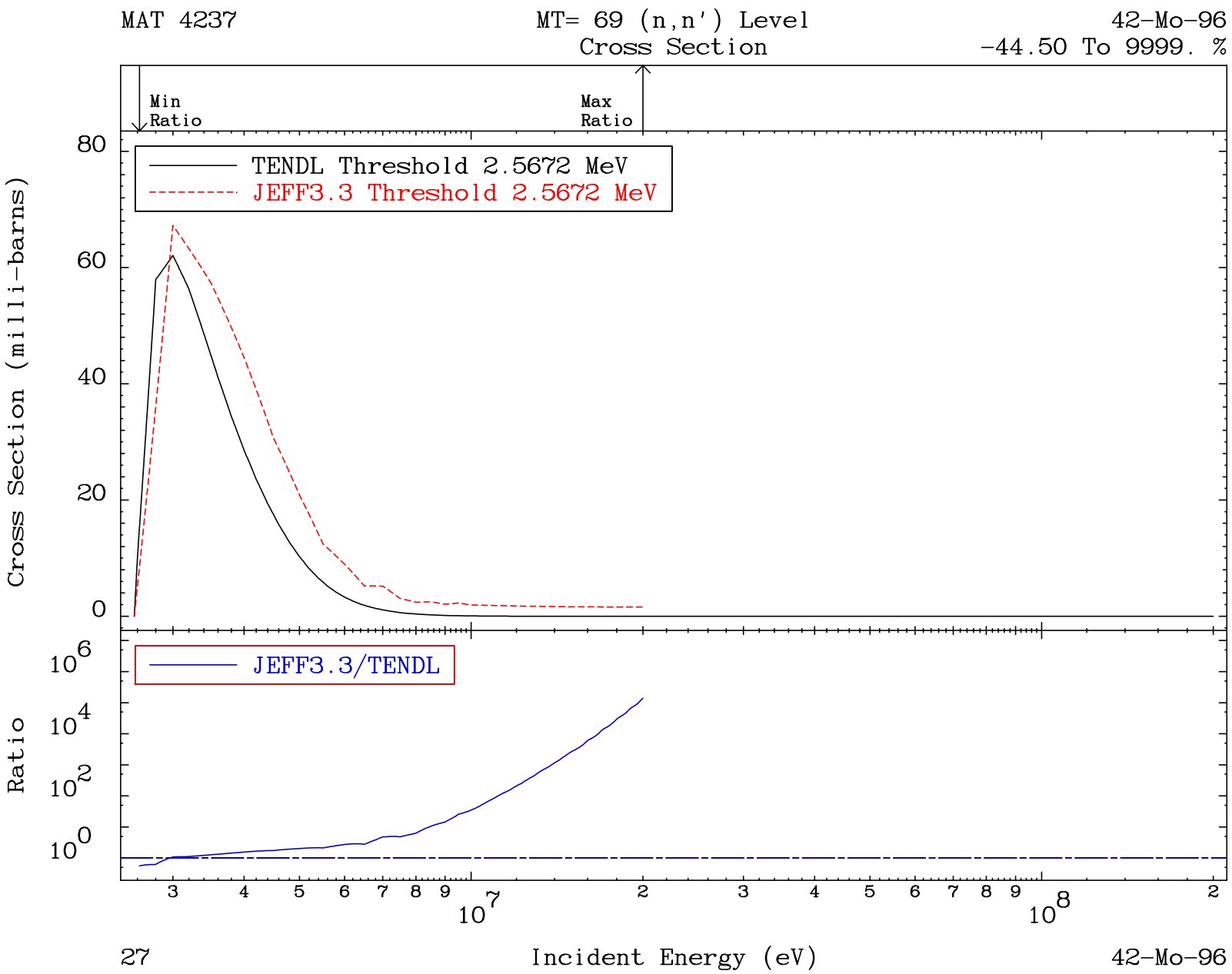

MAT 4237
MT= 64 (n,n') Level
Cross Section
42-Mo-96
-42.54 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4641 MeV
JEFF3.3 Threshold 2.4641 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
22
Incident Energy (eV)
42-Mo-96

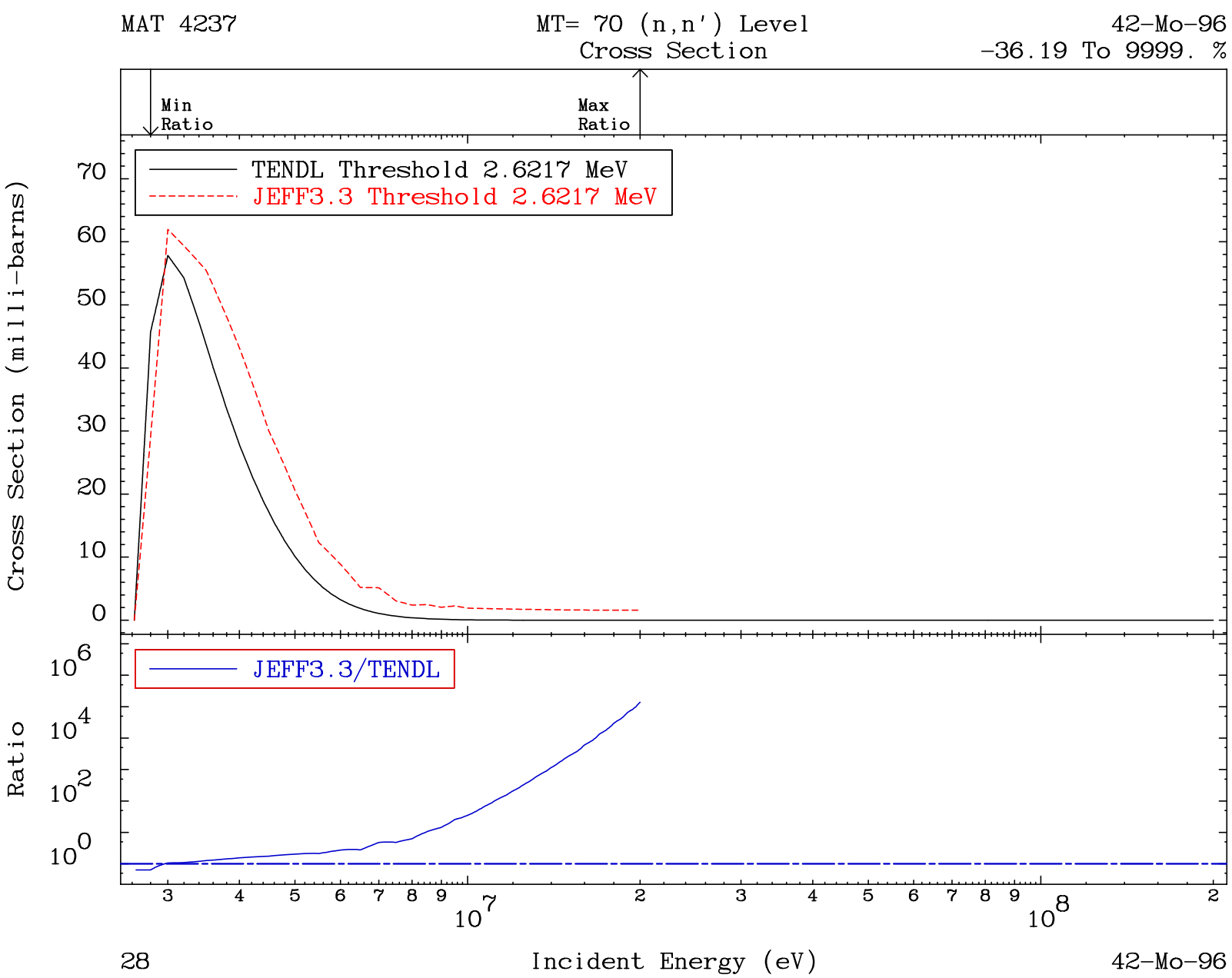

MAT 4237
MT= 65 (n,n') Level
Cross Section
42-Mo-96
-2.439 To 798.2 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4664 MeV
JEFF3.3 Threshold 2.4664 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
4
8
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
42-Mo-96

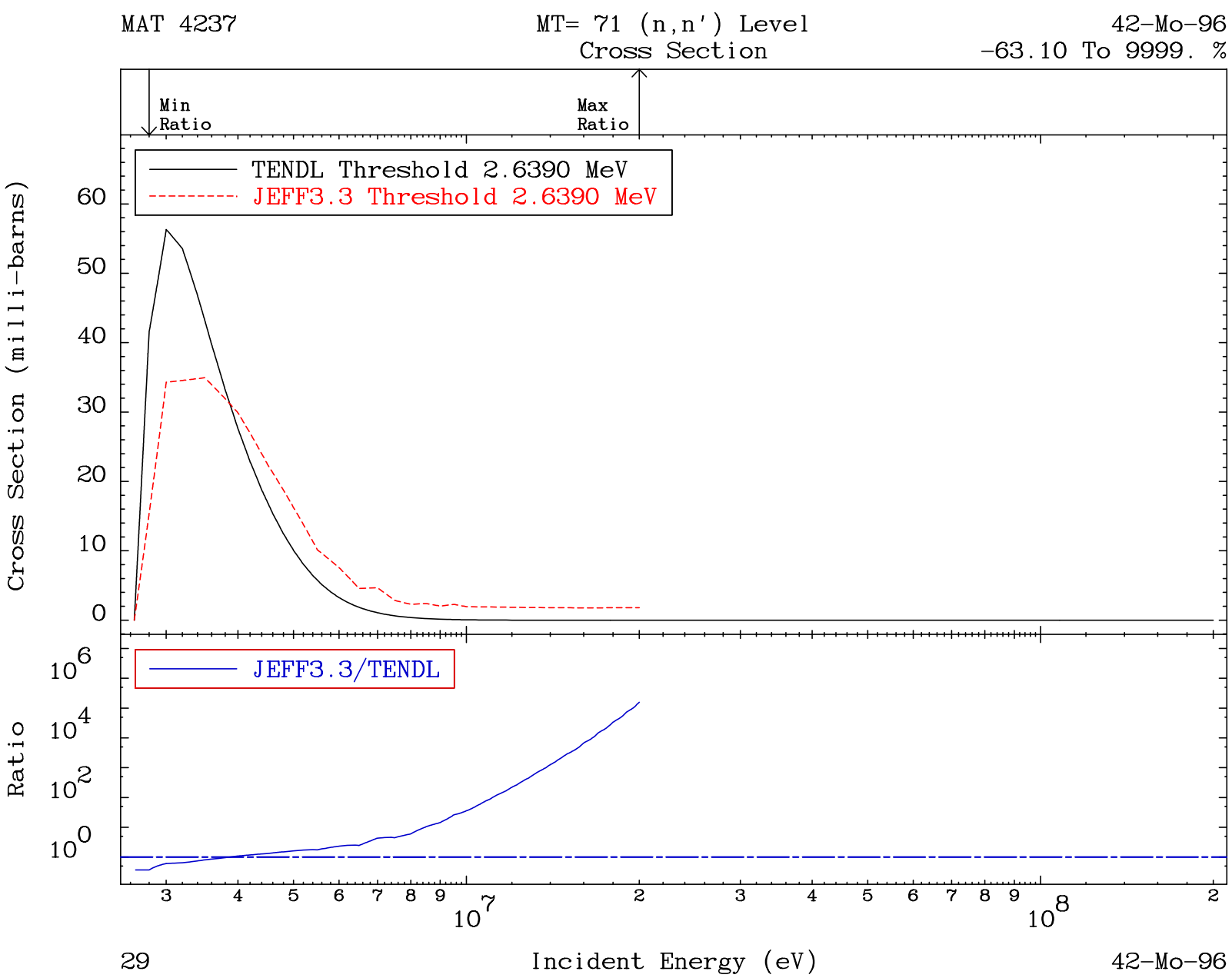

MAT 4237
MT= 66 (n,n') Level
Cross Section
42-Mo-96
-59.74 To 523.1 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5020 MeV
JEFF3.3 Threshold 2.5020 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
24
42-Mo-96

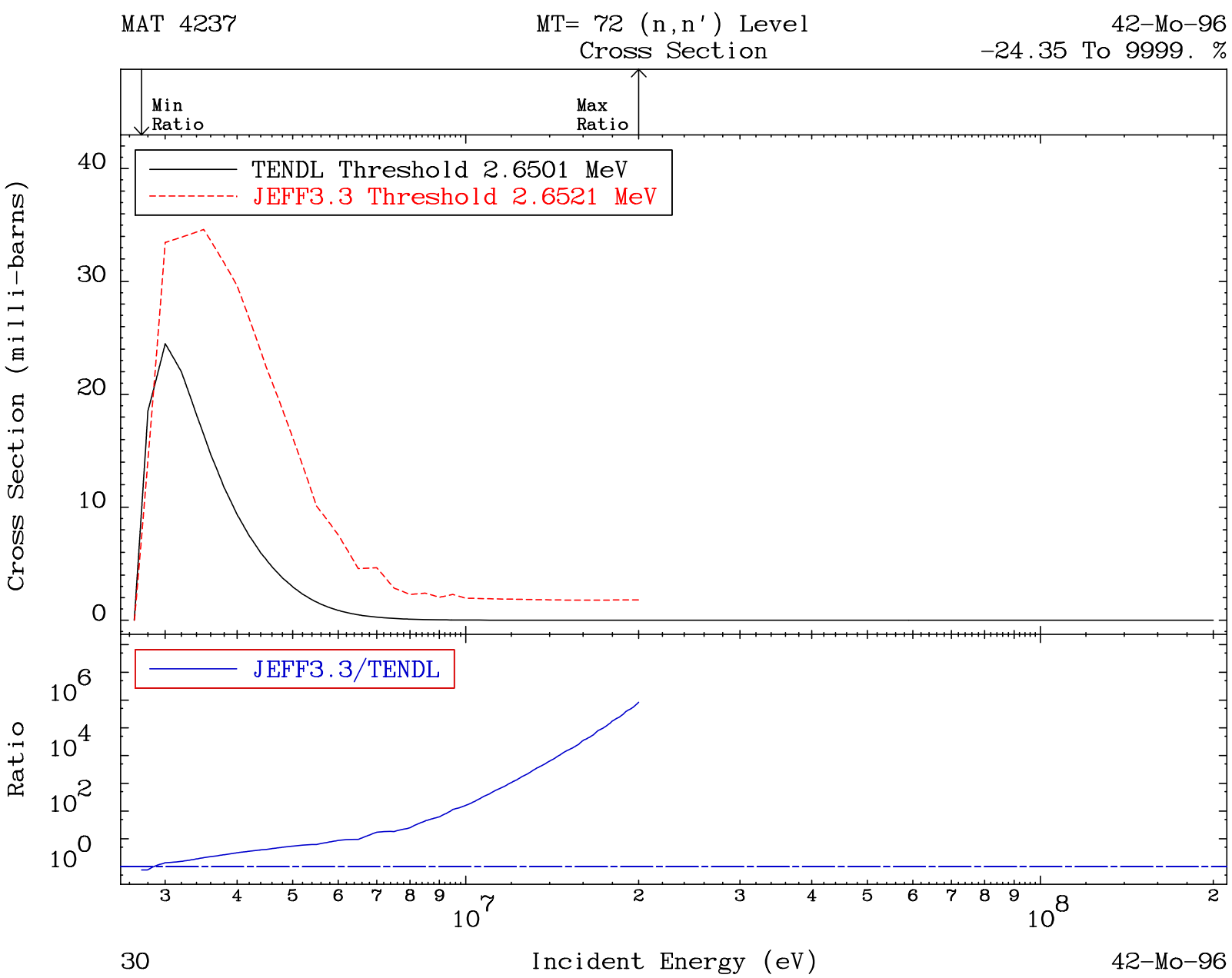

MAT 4237
MT= 67 (n,n') Level
Cross Section
42-Mo-96
-27.73 To 447.1 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5072 MeV
JEFF3.3 Threshold 2.5072 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
6
4
2
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
25
Incident Energy (eV)
42-Mo-96

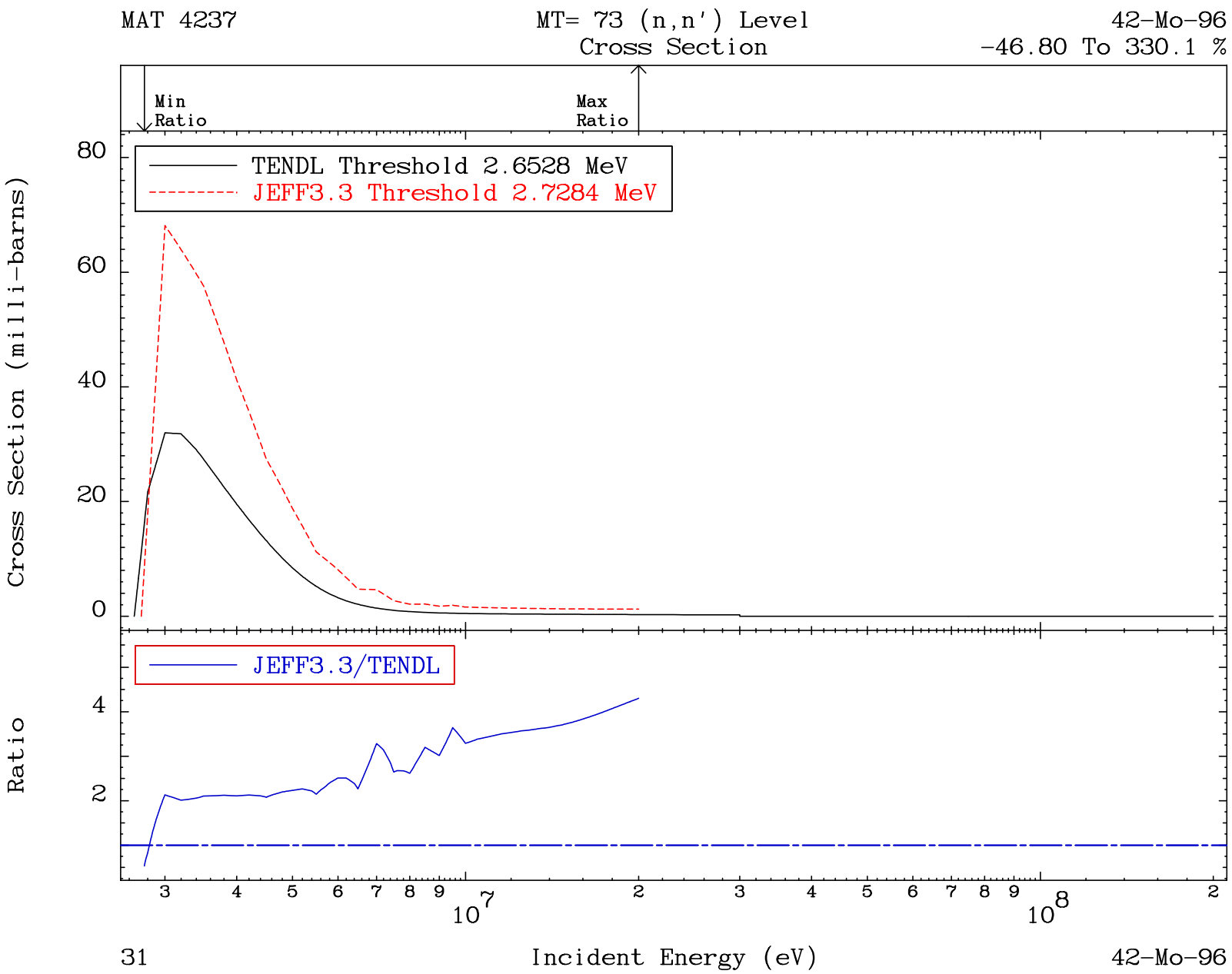

MAT 4237
MT= 68 (n,n') Level
Cross Section
42-Mo-96
-57.10 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5279 MeV
JEFF3.3 Threshold 2.5276 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
42-Mo-96

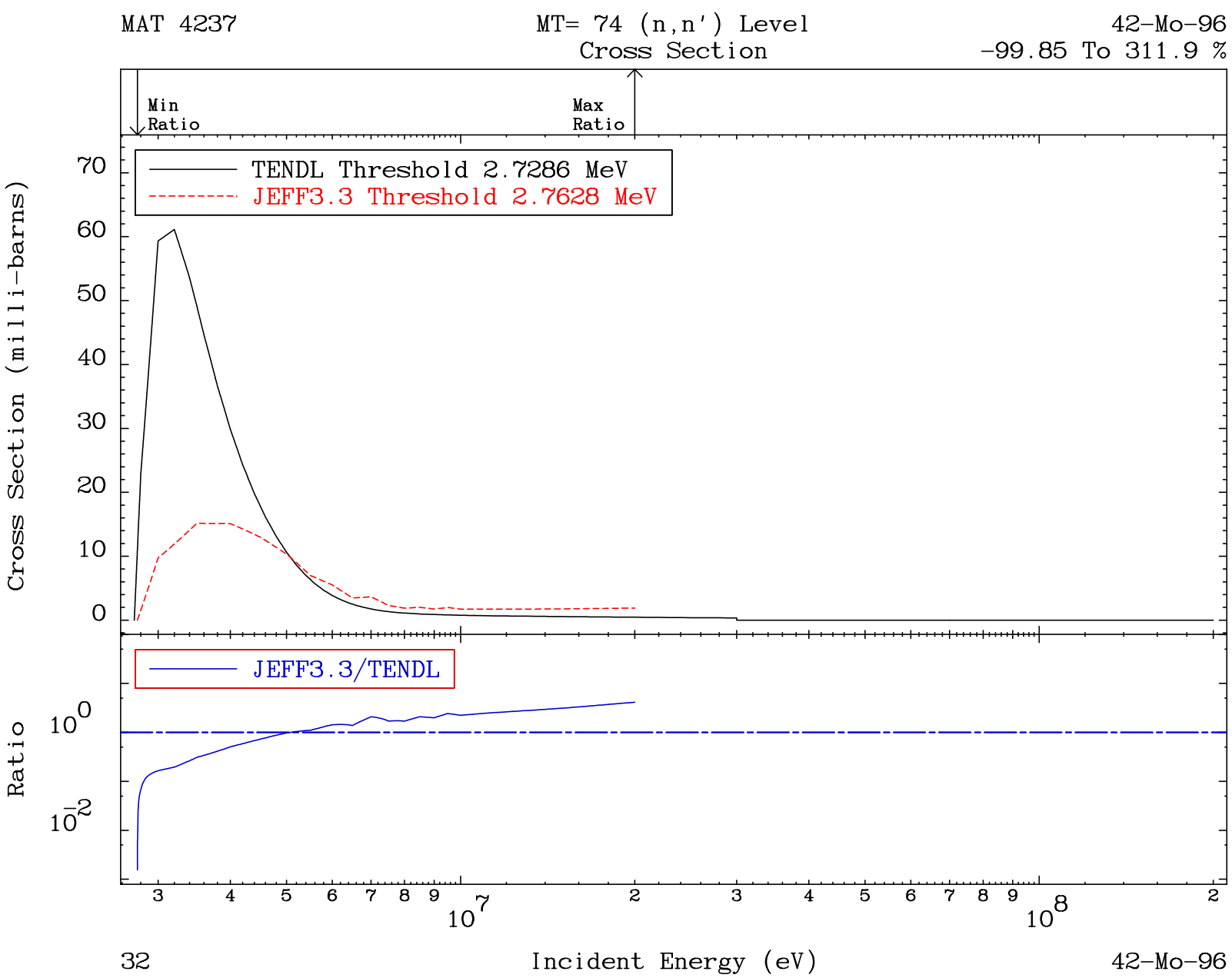

MAT 4237
MT= 69 (n,n') Level
Cross Section
42-Mo-96
-44.50 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5672 MeV
JEFF3.3 Threshold 2.5672 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
42-Mo-96

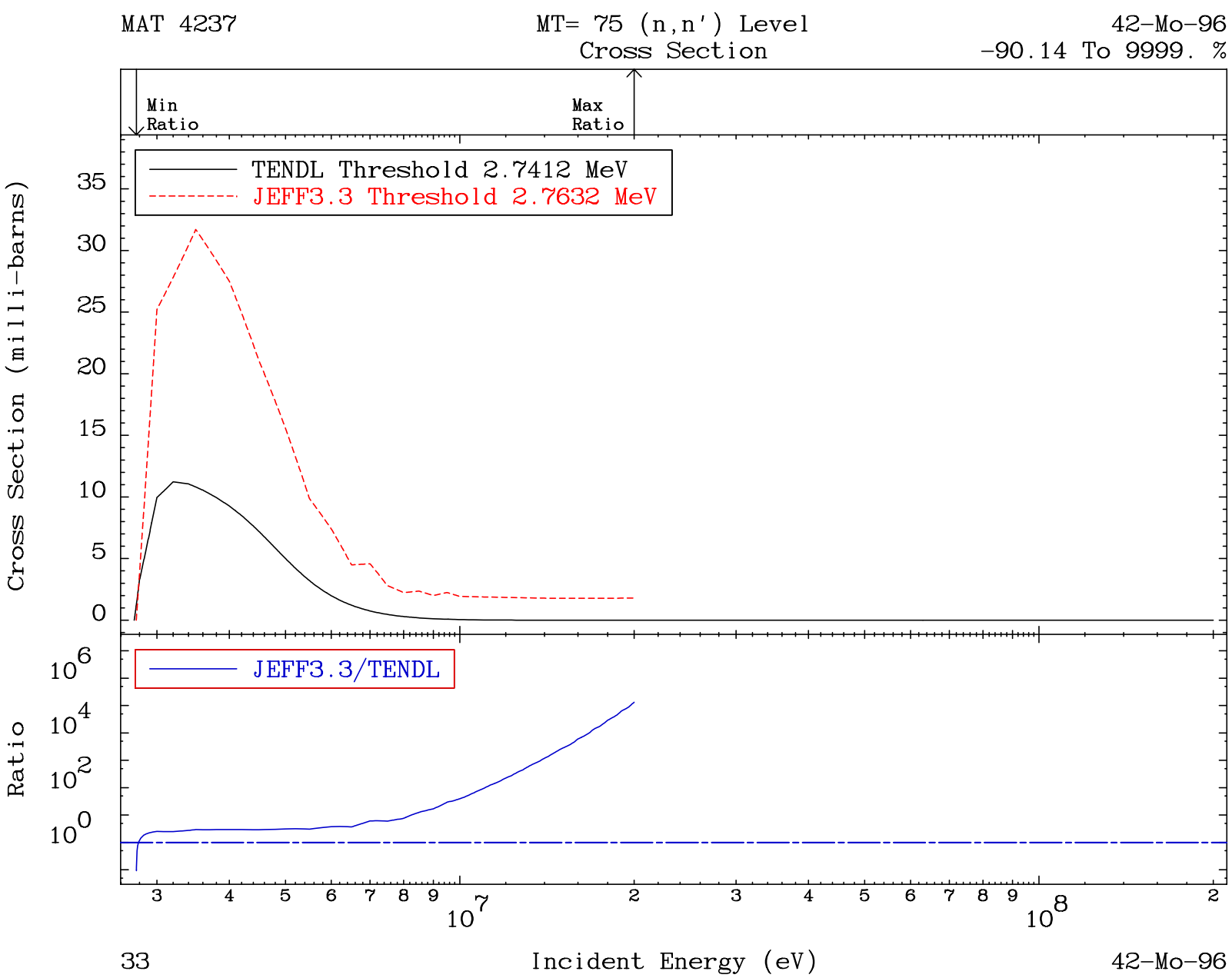

MAT 4237
MT= 70 (n,n') Level
Cross Section
42-Mo-96
-36.19 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6217 MeV
JEFF3.3 Threshold 2.6217 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
28
Incident Energy (eV)
42-Mo-96

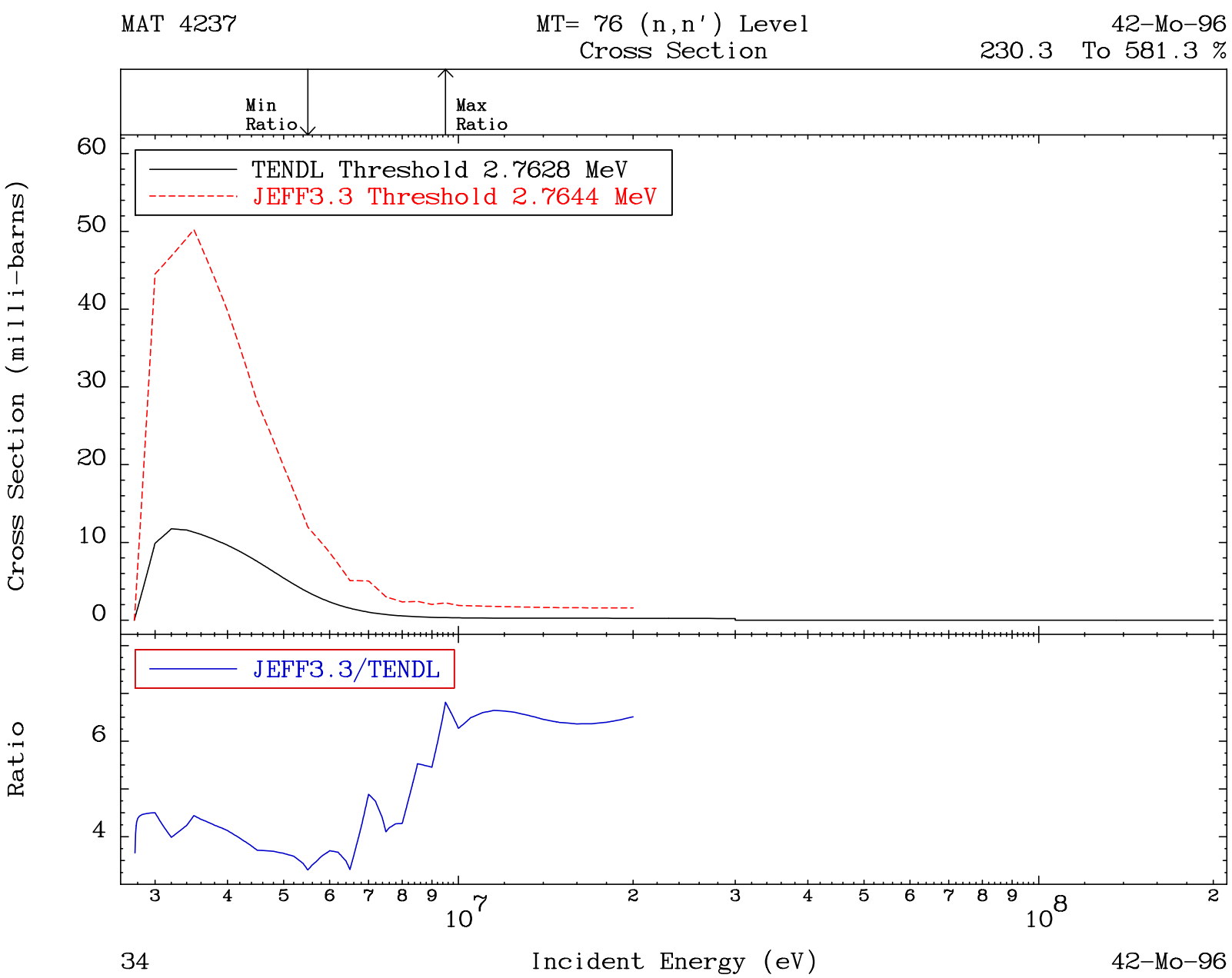

MAT 4237
MT= 71 (n,n') Level
Cross Section
42-Mo-96
-63.10 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6390 MeV
JEFF3.3 Threshold 2.6390 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
29
Incident Energy (eV)
42-Mo-96

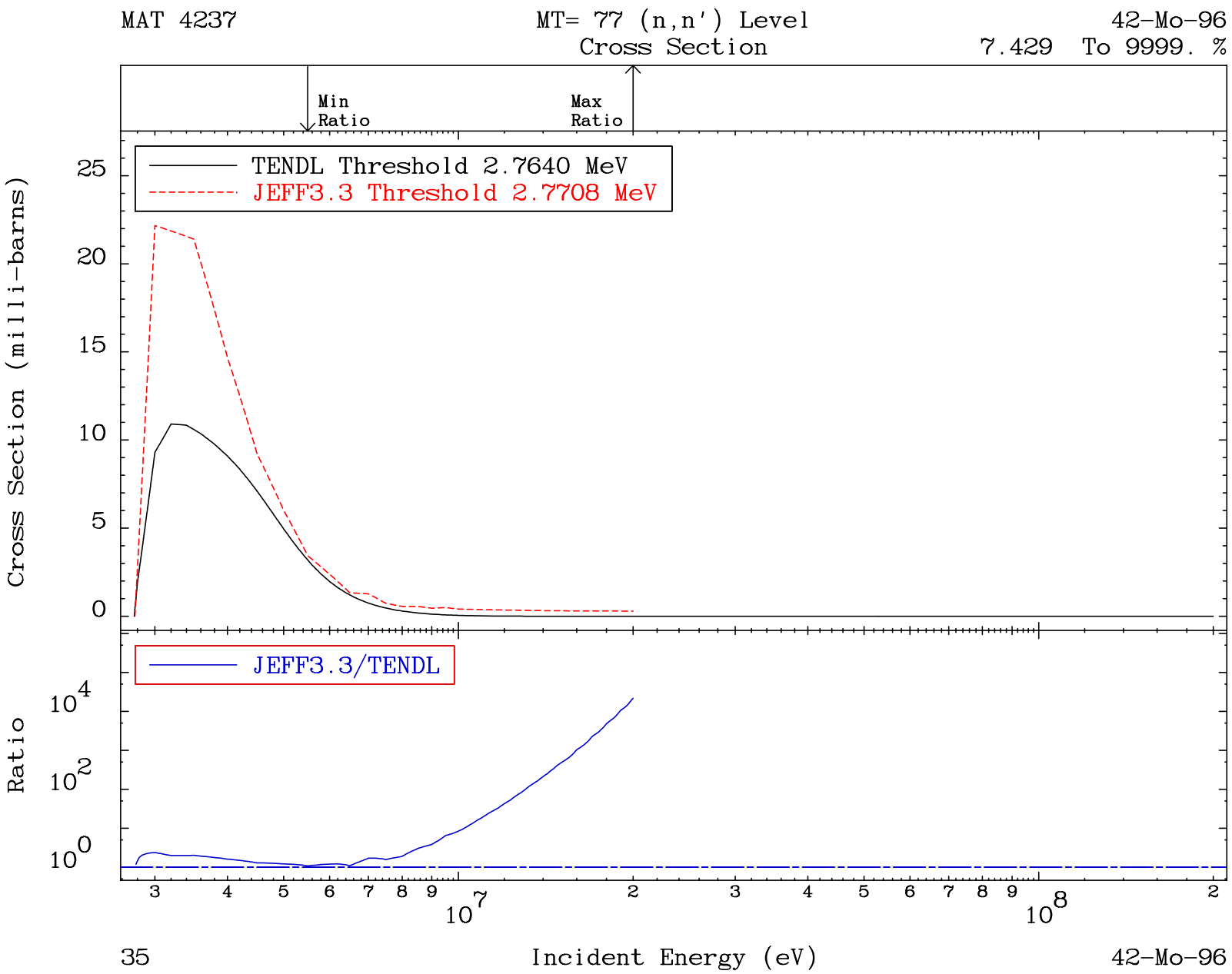

MAT 4237
MT= 72 (n,n') Level
Cross Section
42-Mo-96
-24.35 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6501 MeV
JEFF3.3 Threshold 2.6521 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
30
Incident Energy (eV)
42-Mo-96

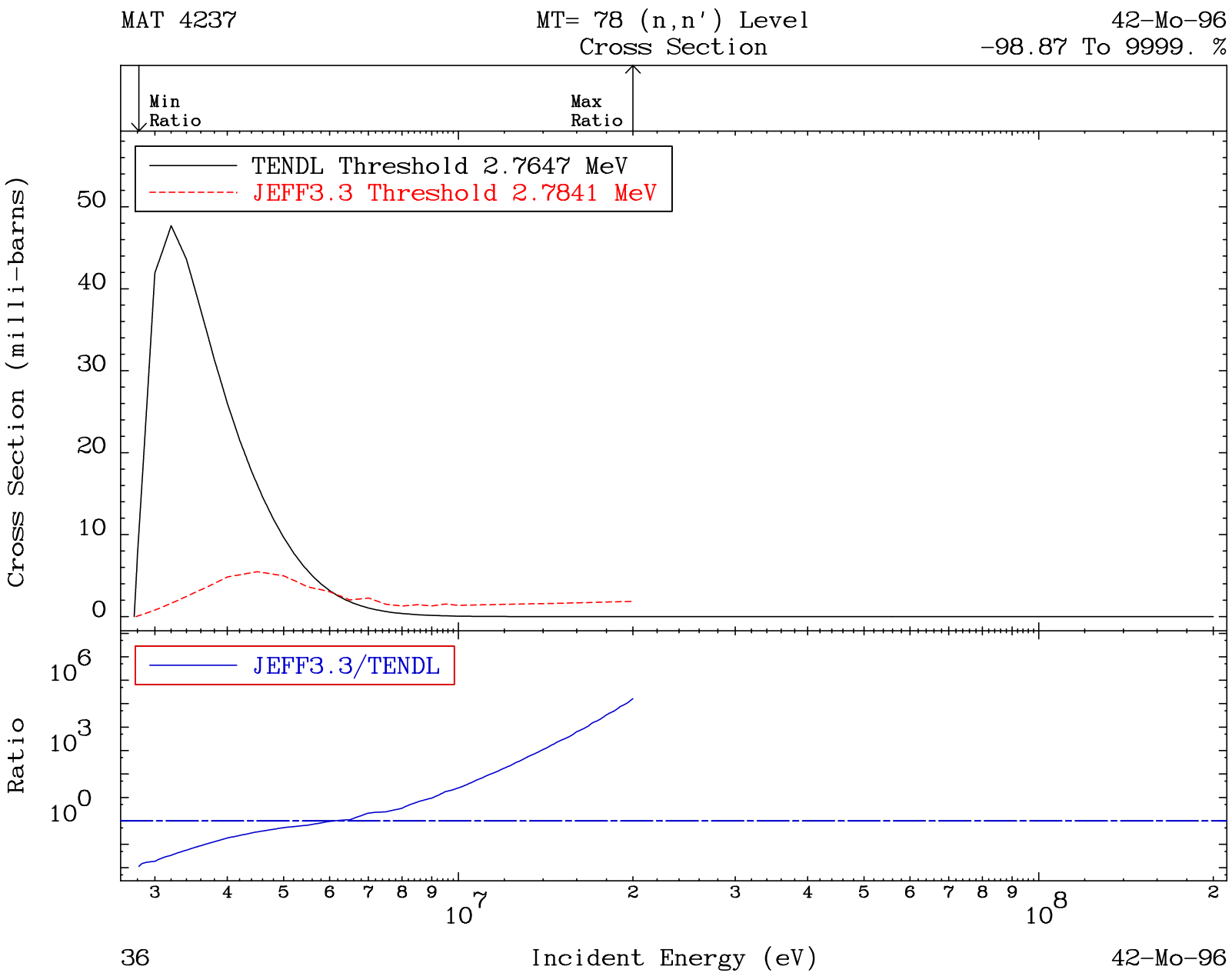

MAT 4237
MT= 73 (n,n') Level
Cross Section
42-Mo-96
-46.80 To 330.1 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6528 MeV
JEFF3.3 Threshold 2.7284 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
4
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
42-Mo-96

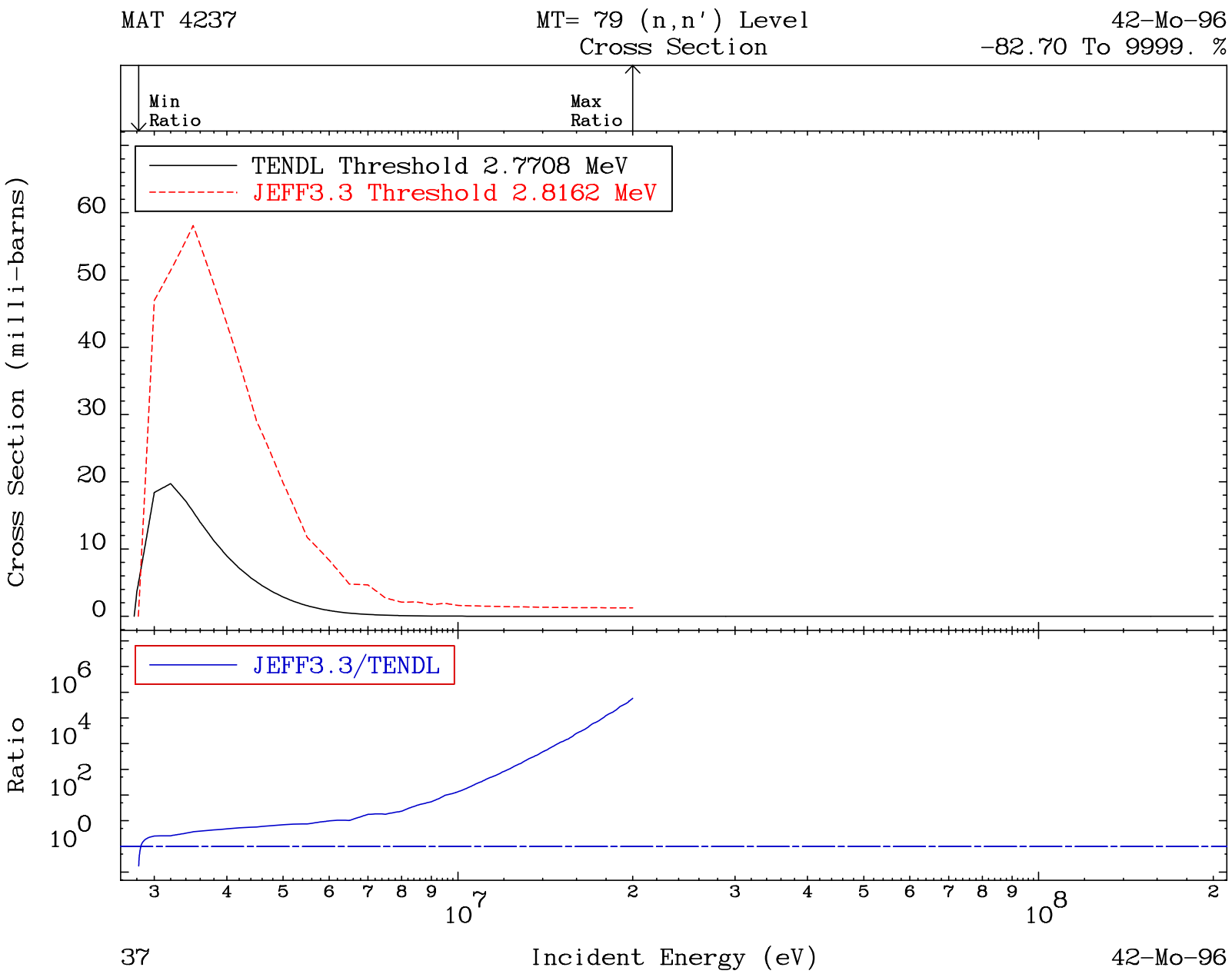

MAT 4237
MT= 74 (n,n') Level
Cross Section
42-Mo-96
-99.85 To 311.9 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7286 MeV
JEFF3.3 Threshold 2.7628 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^0
10^-2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
42-Mo-96

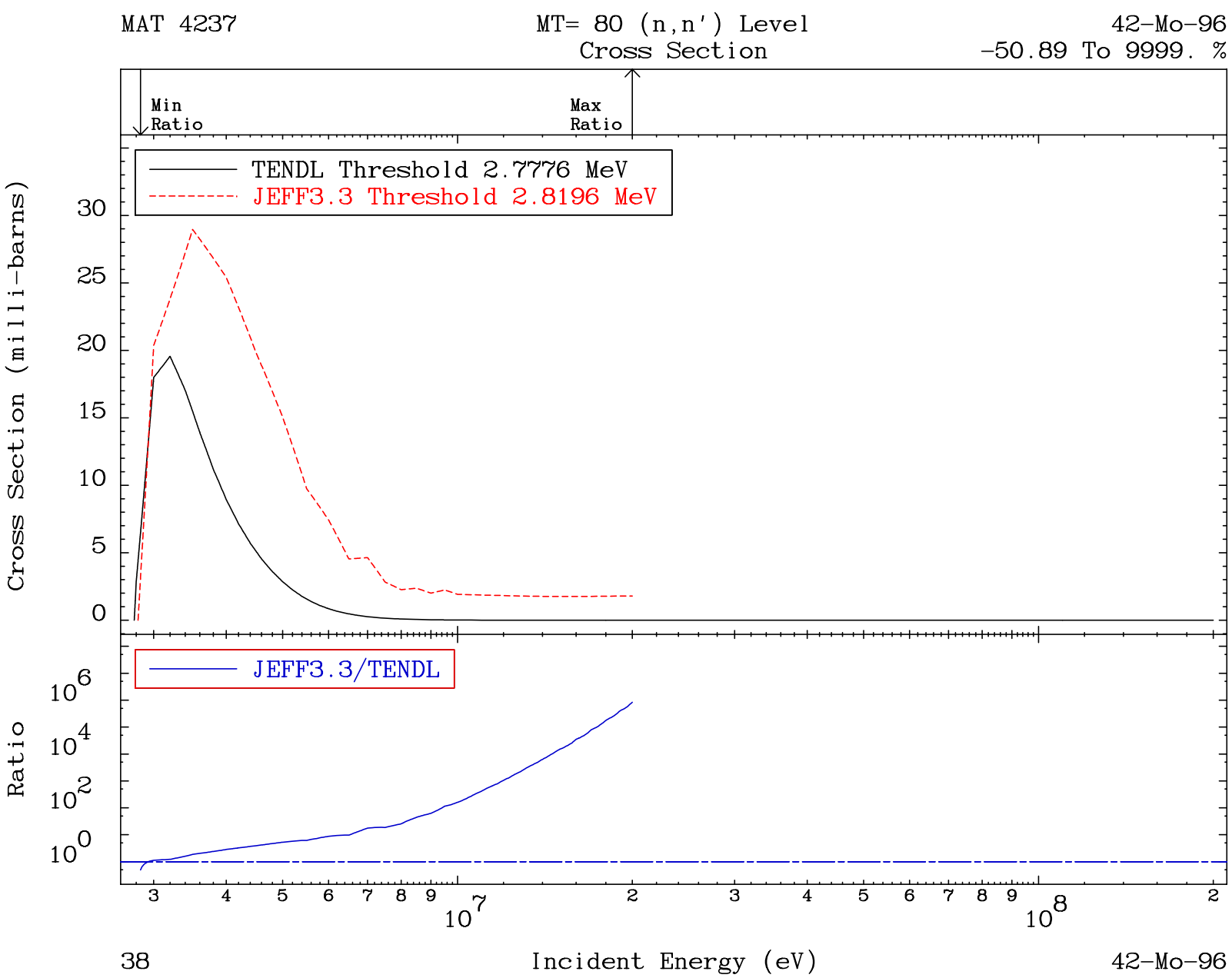

MAT 4237
MT= 75 (n,n') Level
Cross Section
42-Mo-96
-90.14 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7412 MeV
JEFF3.3 Threshold 2.7632 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
33
Incident Energy (eV)
42-Mo-96

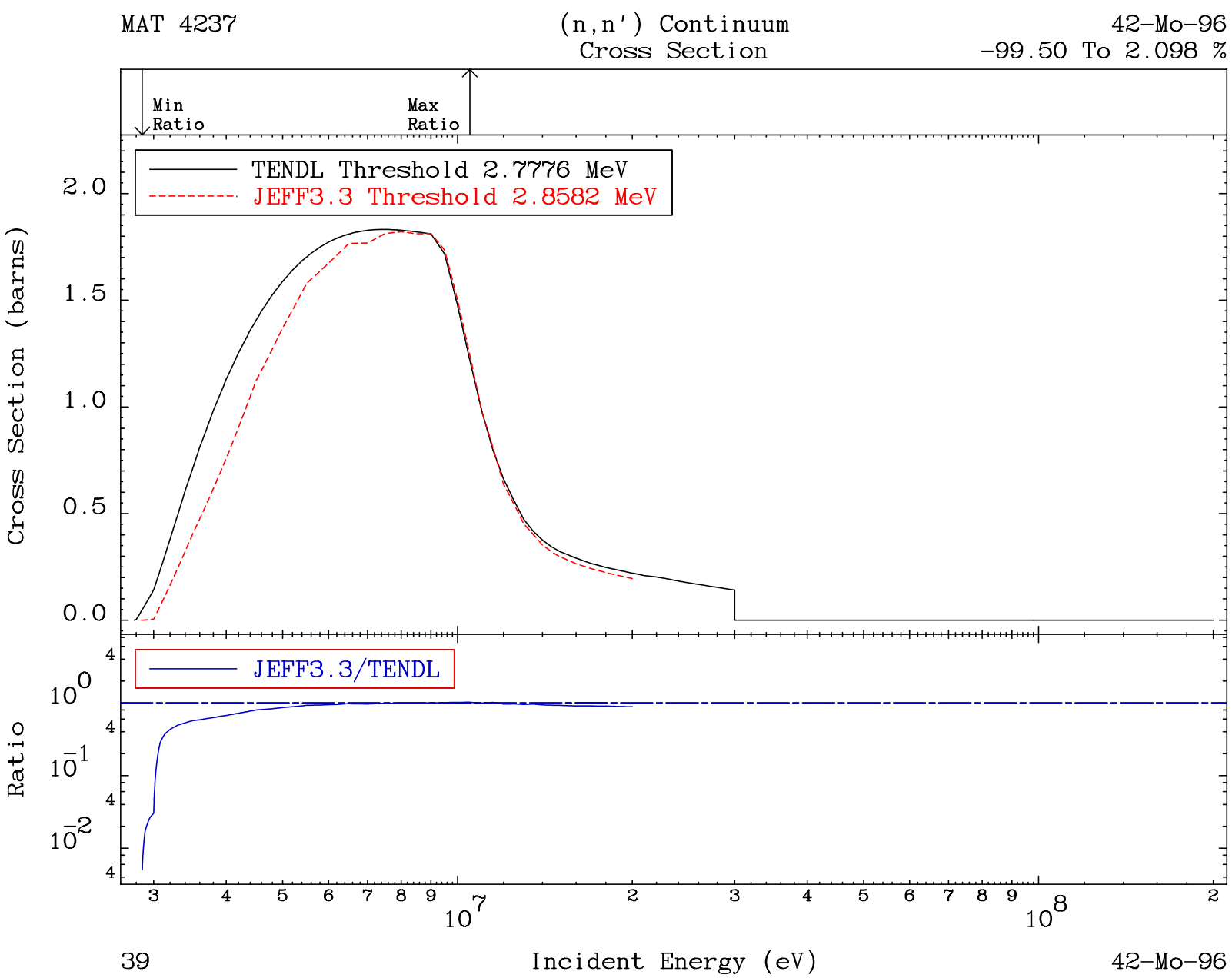

MAT 4237
MT= 76 (n,n') Level
Cross Section
42-Mo-96
230.3 To 581.3 %
Min Ratio
Max Ratio
TENDL Threshold 2.7628 MeV
JEFF3.3 Threshold 2.7644 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
6
4
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
42-Mo-96

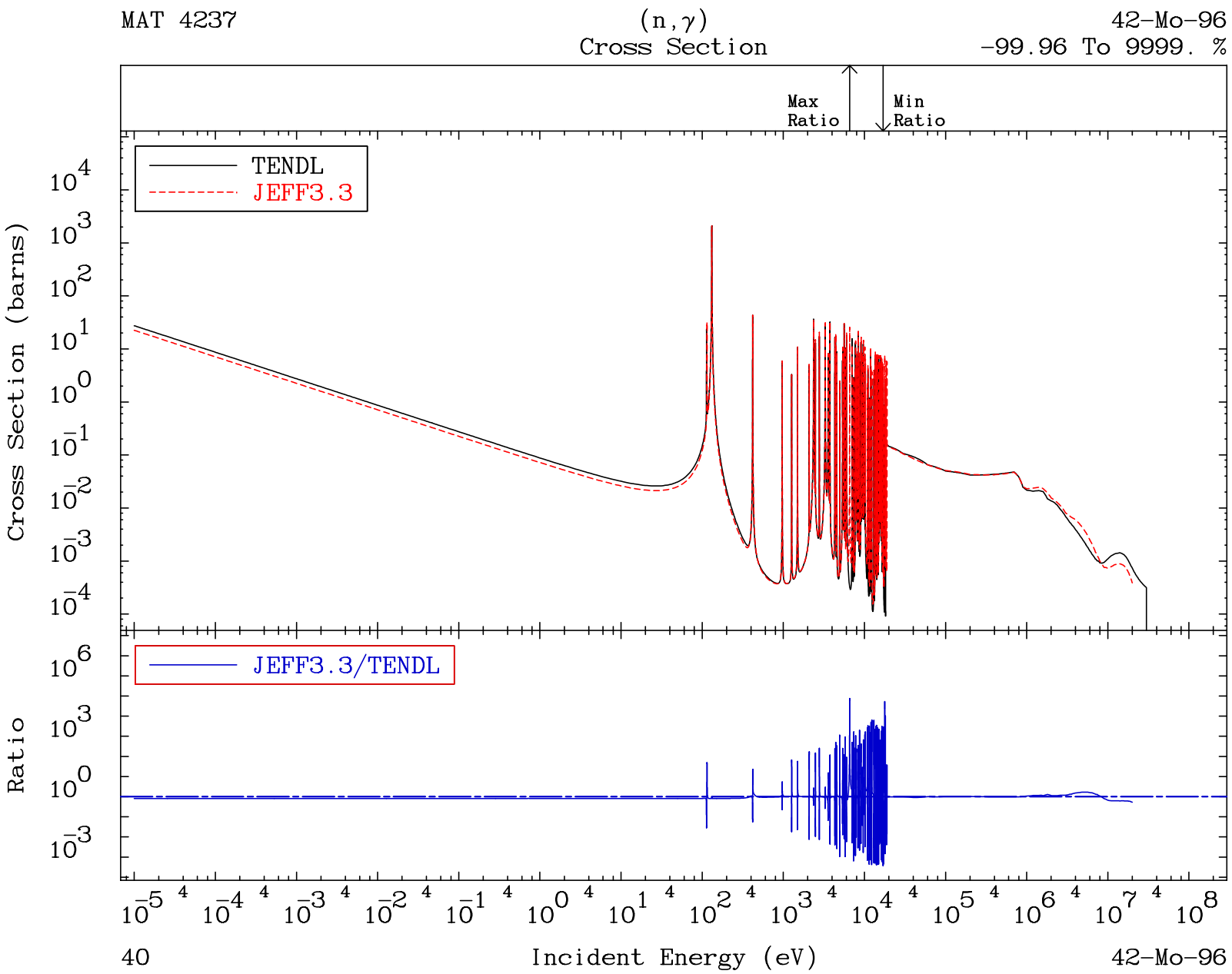

MAT 4237
MT= 77 (n,n') Level
Cross Section
42-Mo-96
7.429 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.7640 MeV
JEFF3.3 Threshold 2.7708 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
35
Incident Energy (eV)
42-Mo-96

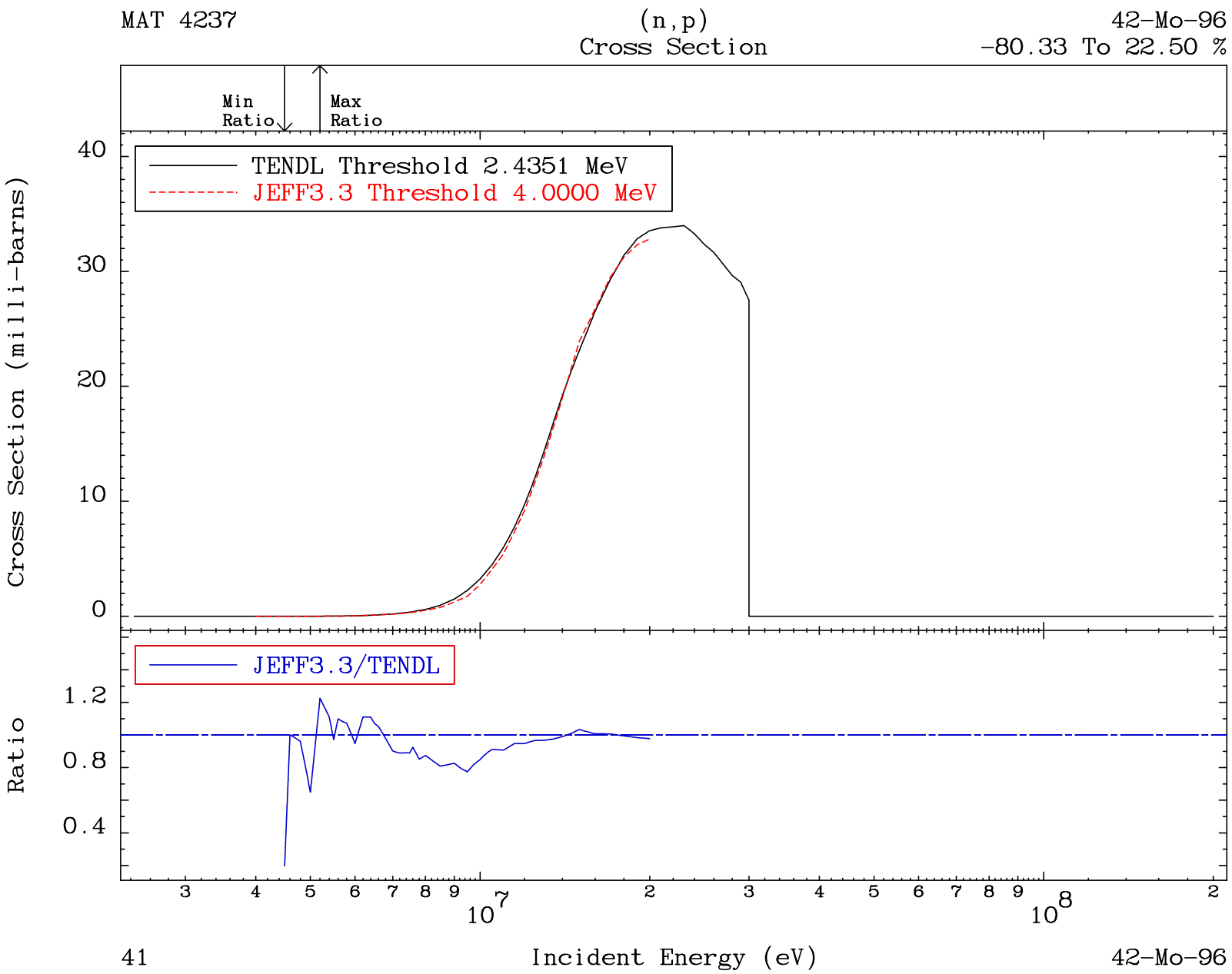

MAT 4237
MT= 78 (n,n') Level
Cross Section
42-Mo-96
-98.87 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7647 MeV
JEFF3.3 Threshold 2.7841 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^6
10^3
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
36
Incident Energy (eV)
42-Mo-96

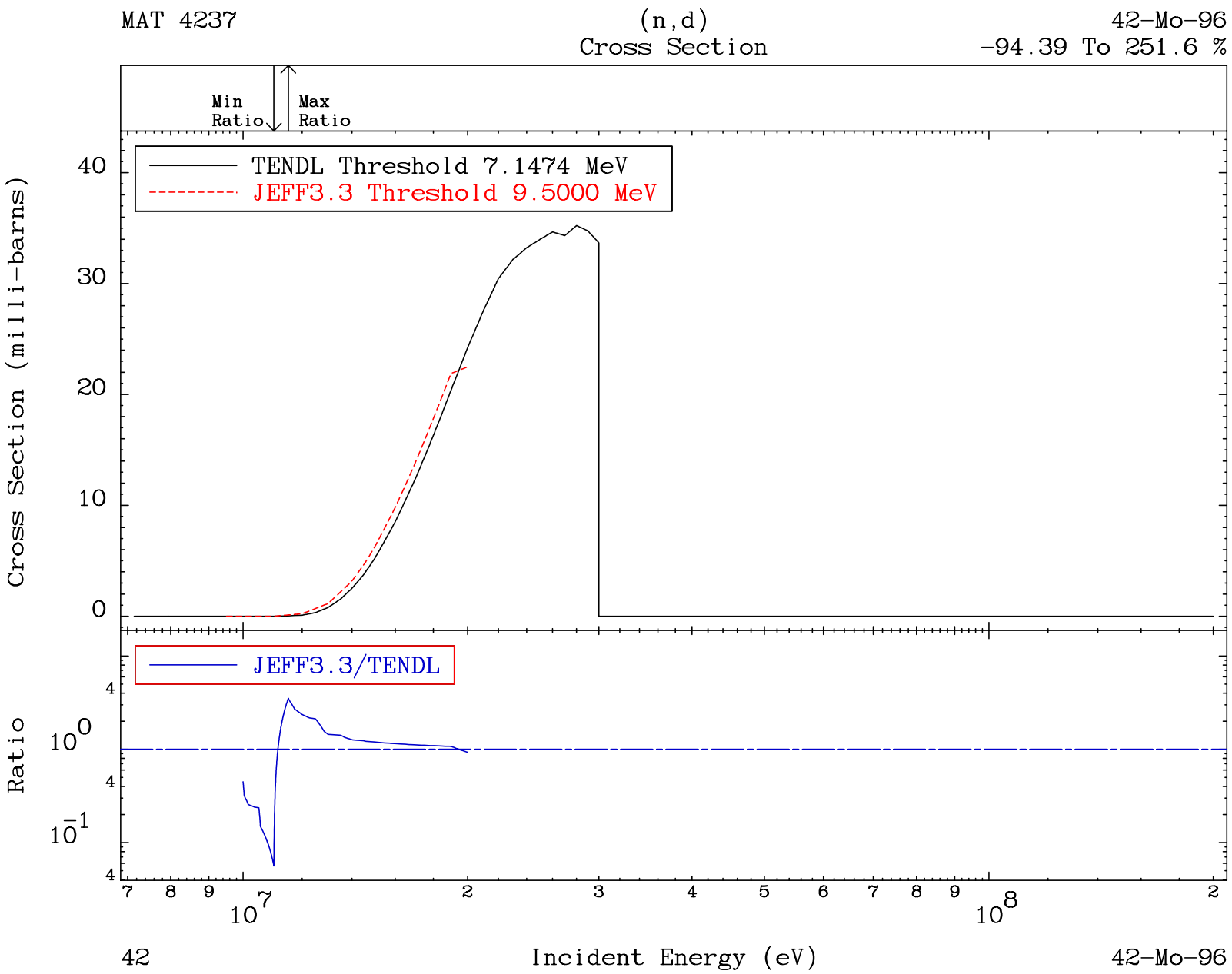

MAT 4237
MT= 79 (n,n') Level
Cross Section
42-Mo-96
-82.70 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7708 MeV
JEFF3.3 Threshold 2.8162 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
37
Incident Energy (eV)
42-Mo-96

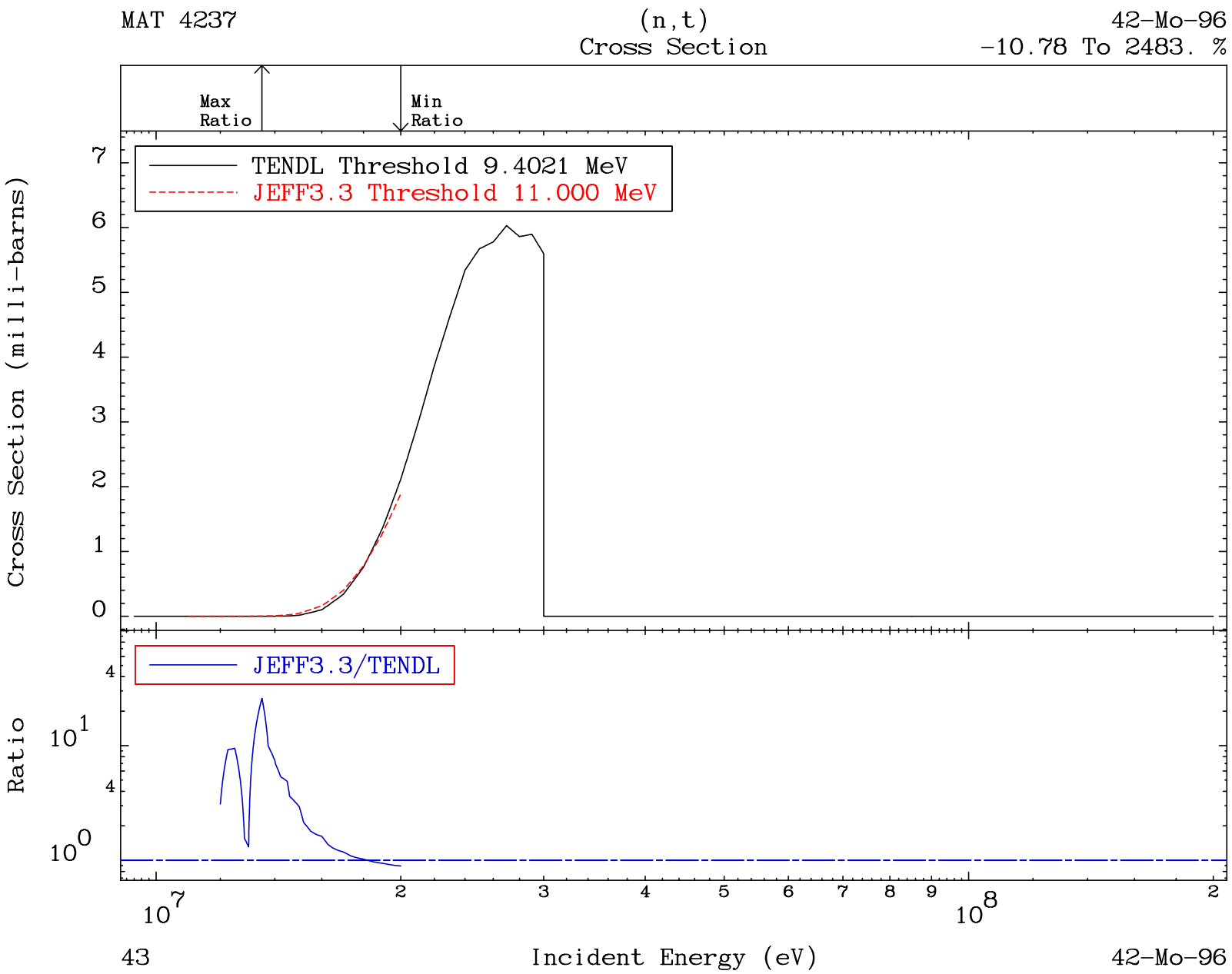

MAT 4237
MT= 80 (n,n') Level
Cross Section
42-Mo-96
-50.89 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7776 MeV
JEFF3.3 Threshold 2.8196 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^6
10^4
10^2
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
38
Incident Energy (eV)
42-Mo-96

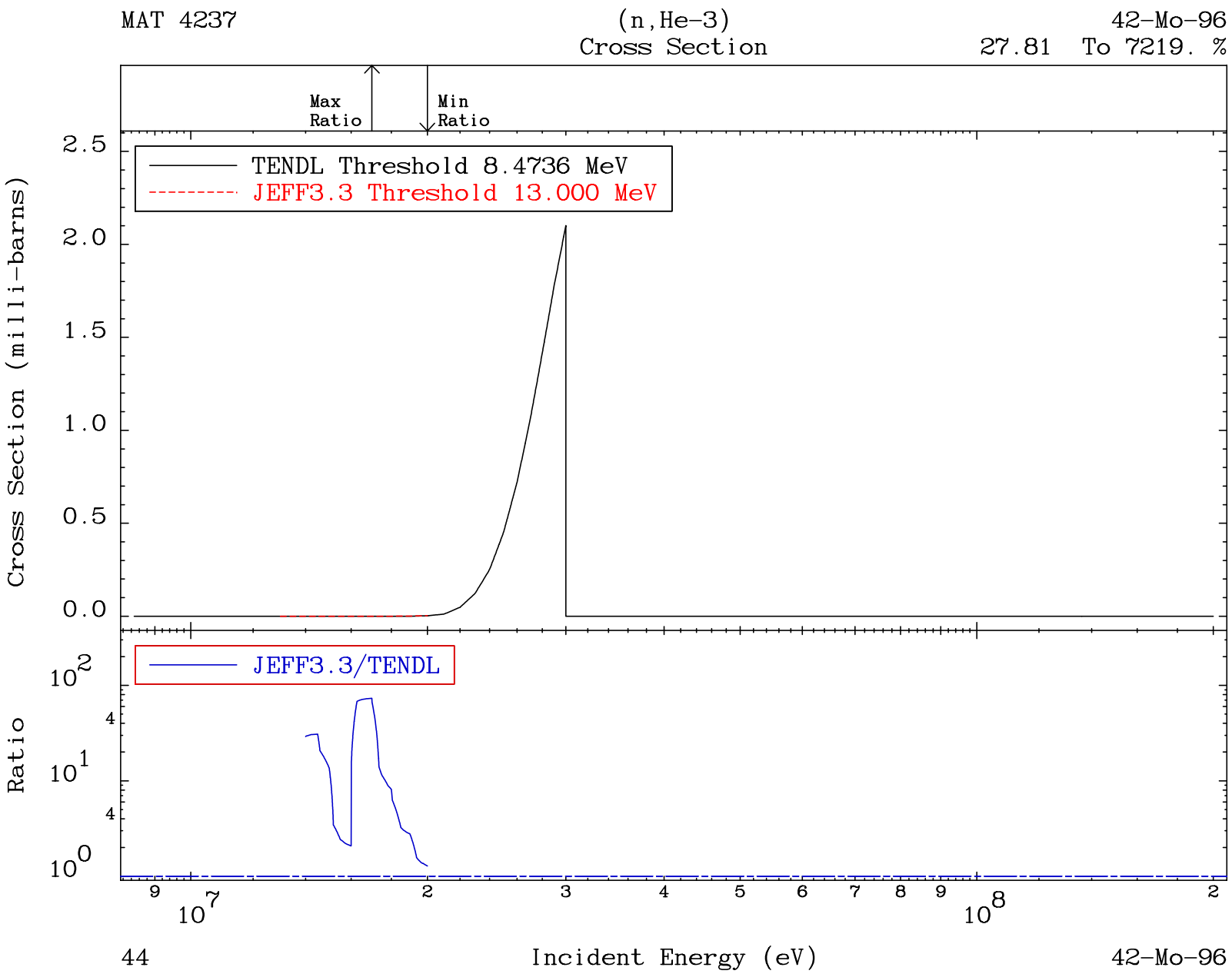

MAT 4237
(n,n') Continuum
Cross Section
42-Mo-96
-99.50 To 2.098 %
Min Ratio
Max Ratio
TENDL Threshold 2.7776 MeV
JEFF3.3 Threshold 2.8582 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
42-Mo-96

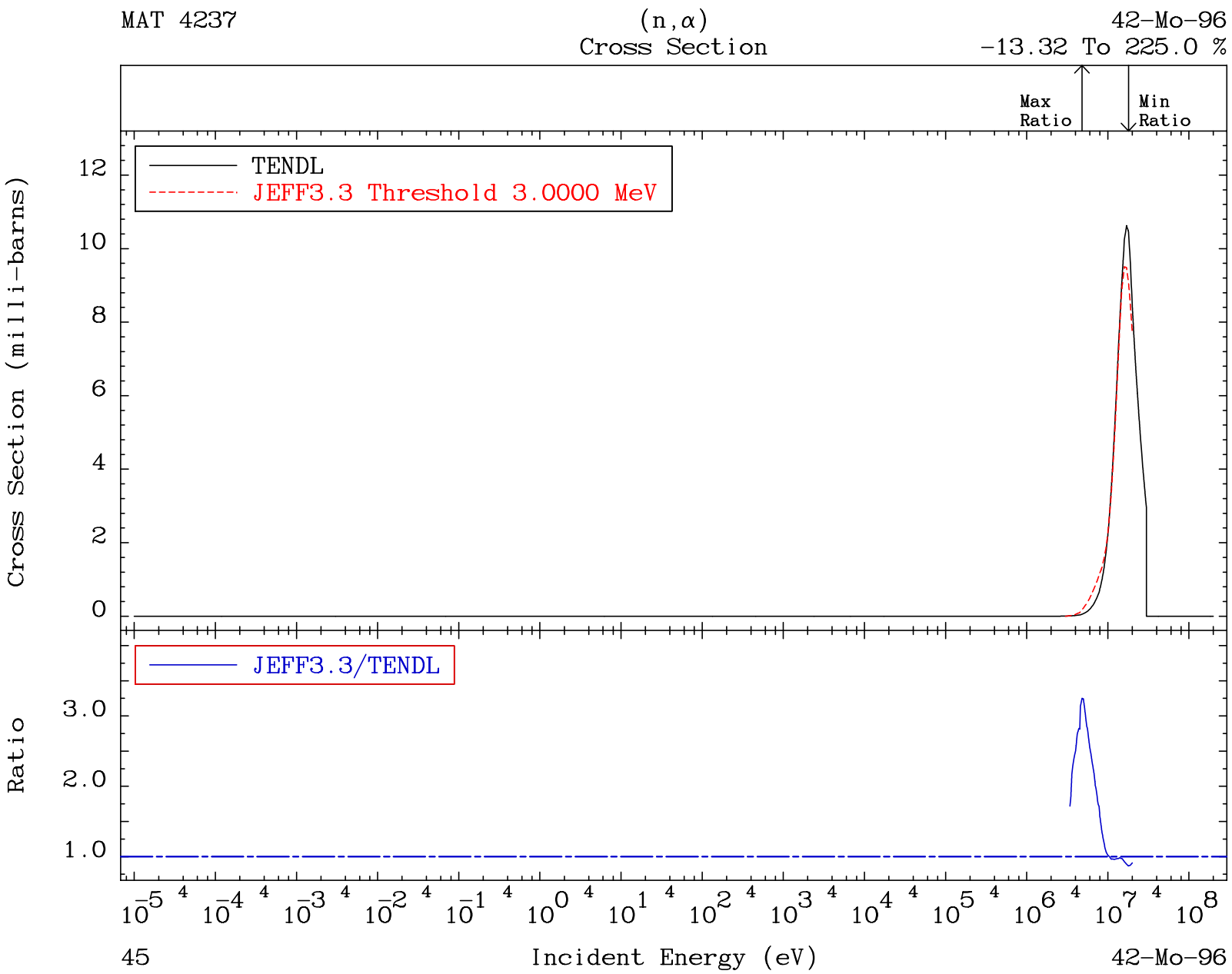

MAT 4237
(n,γ)
Cross Section
42-Mo-96
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
40
42-Mo-96

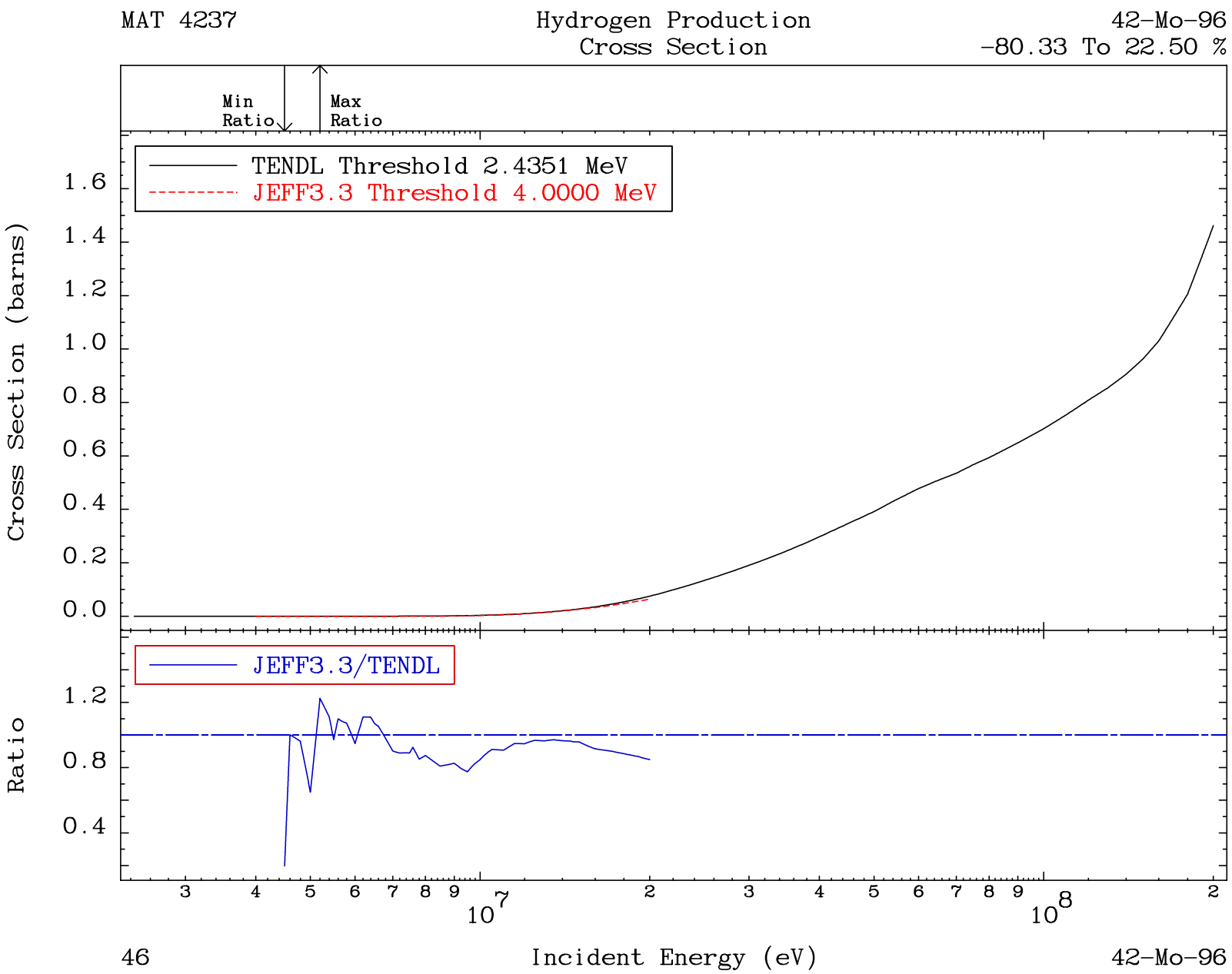

MAT 4237
(n,p)
Cross Section
42-Mo-96
-80.33 To 22.50 %
Min Ratio
Max Ratio
TENDL Threshold 2.4351 MeV
JEFF3.3 Threshold 4.0000 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
42-Mo-96

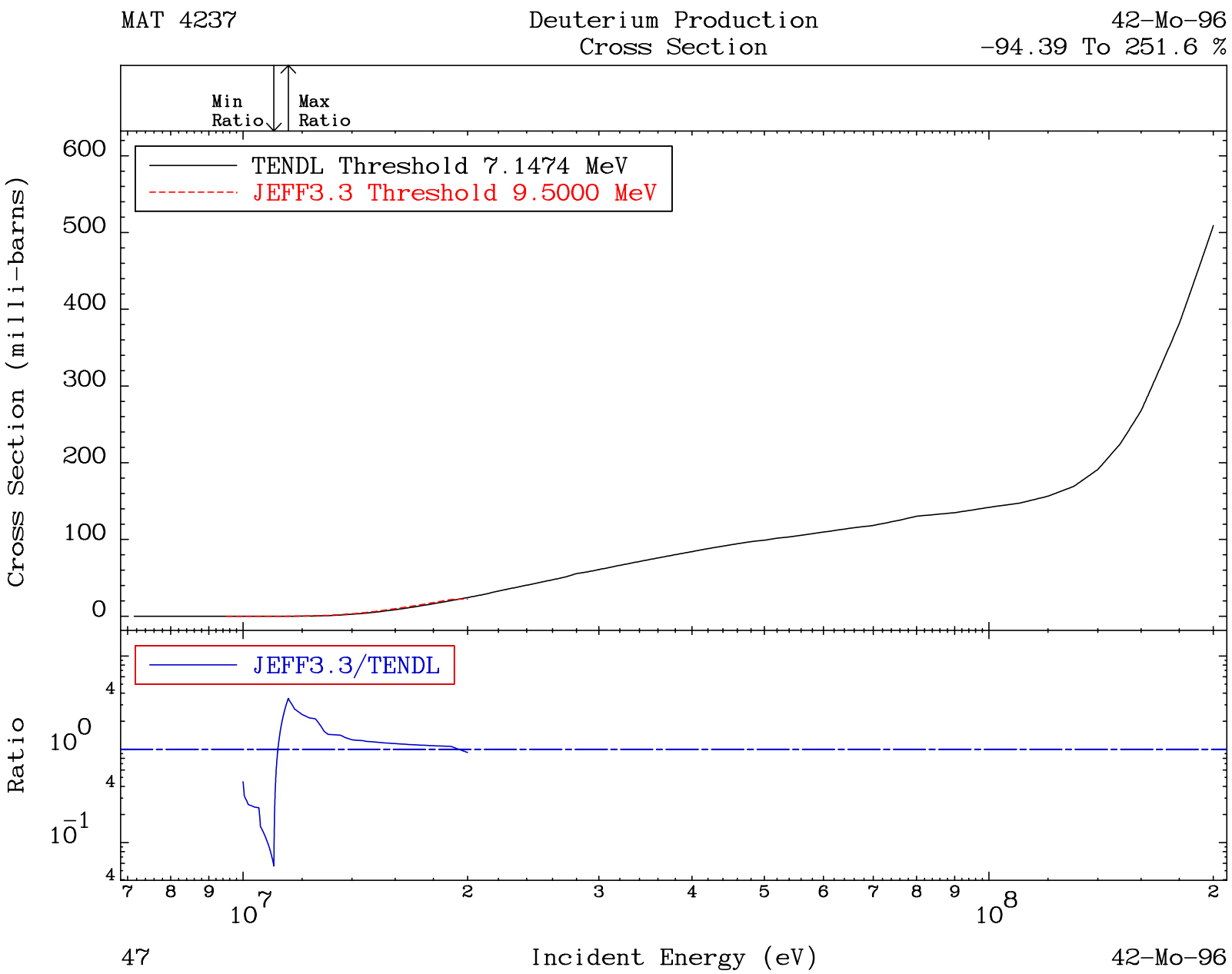

MAT 4237
(n,d)
Cross Section
42-Mo-96
-94.39 To 251.6 %
Min Ratio
Max Ratio
TENDL Threshold 7.1474 MeV
JEFF3.3 Threshold 9.5000 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^0
10^-1
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
42-Mo-96

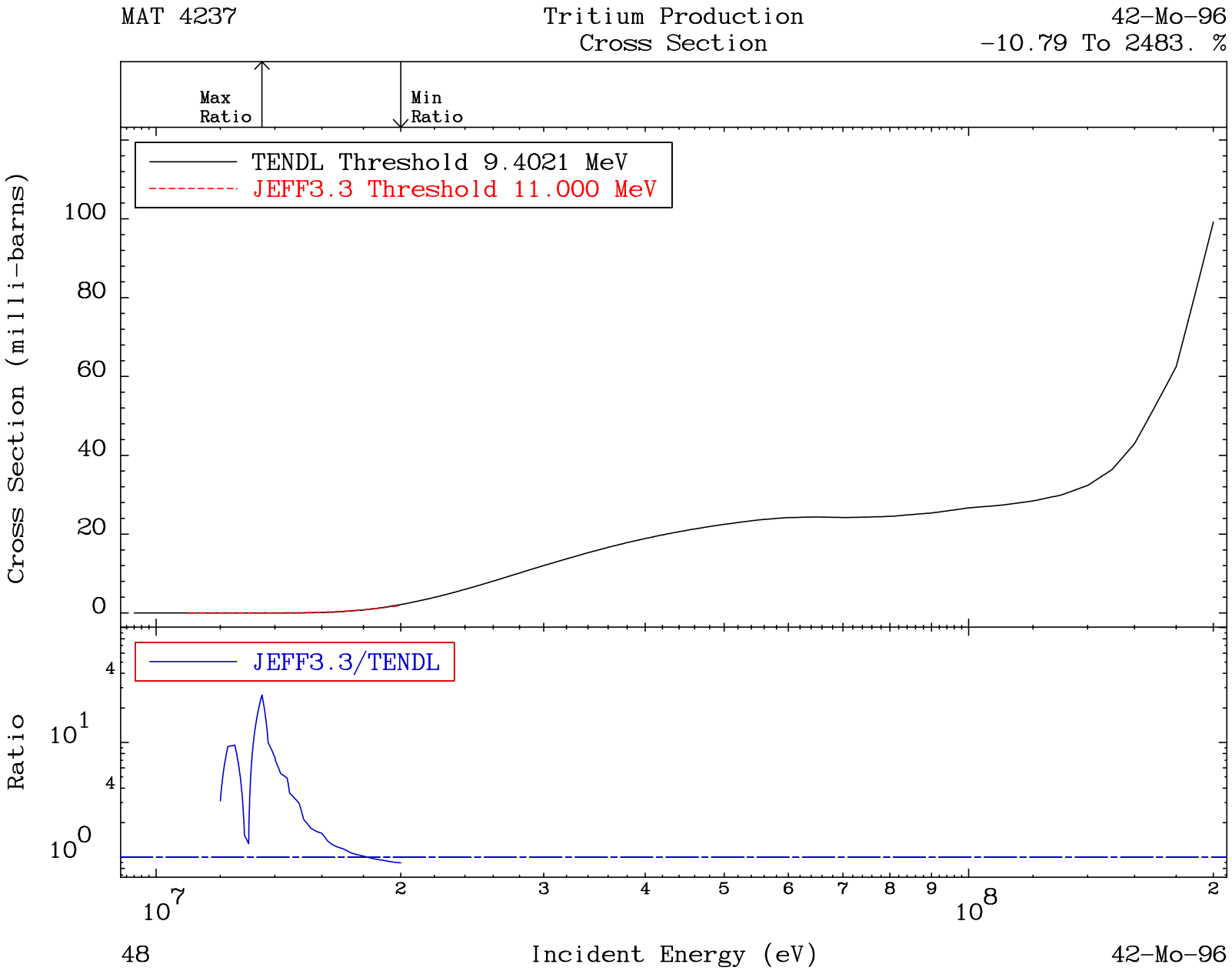

MAT 4237
(n,t)
Cross Section
42-Mo-96
-10.78 To 2483. %
Max Ratio
Min Ratio
TENDL Threshold 9.4021 MeV
JEFF3.3 Threshold 11.000 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
43
42-Mo-96

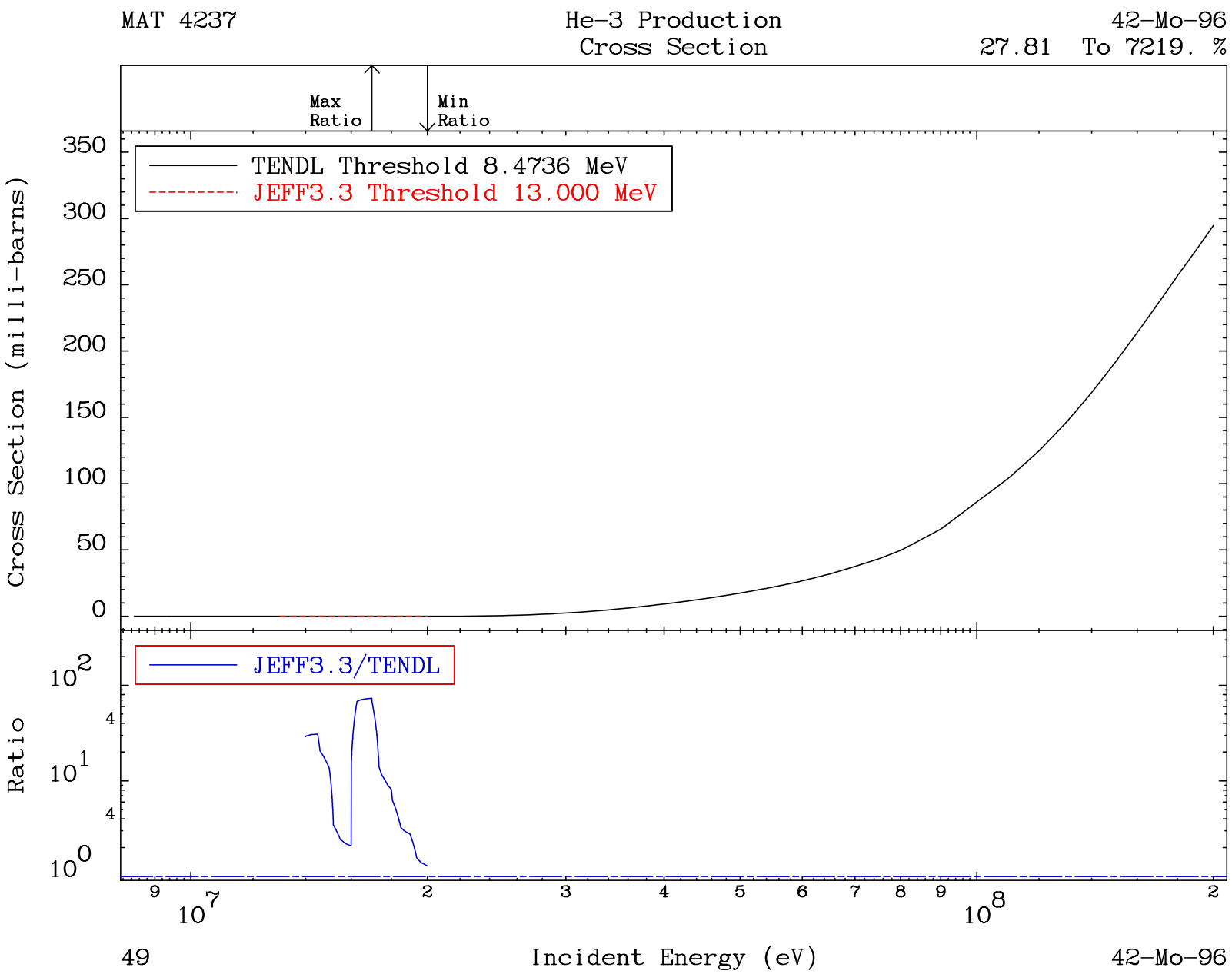

MAT 4237
(n,He-3)
Cross Section
42-Mo-96
27.81 To 7219. %
Max Ratio
Min Ratio
TENDL Threshold 8.4736 MeV
JEFF3.3 Threshold 13.000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
42-Mo-96

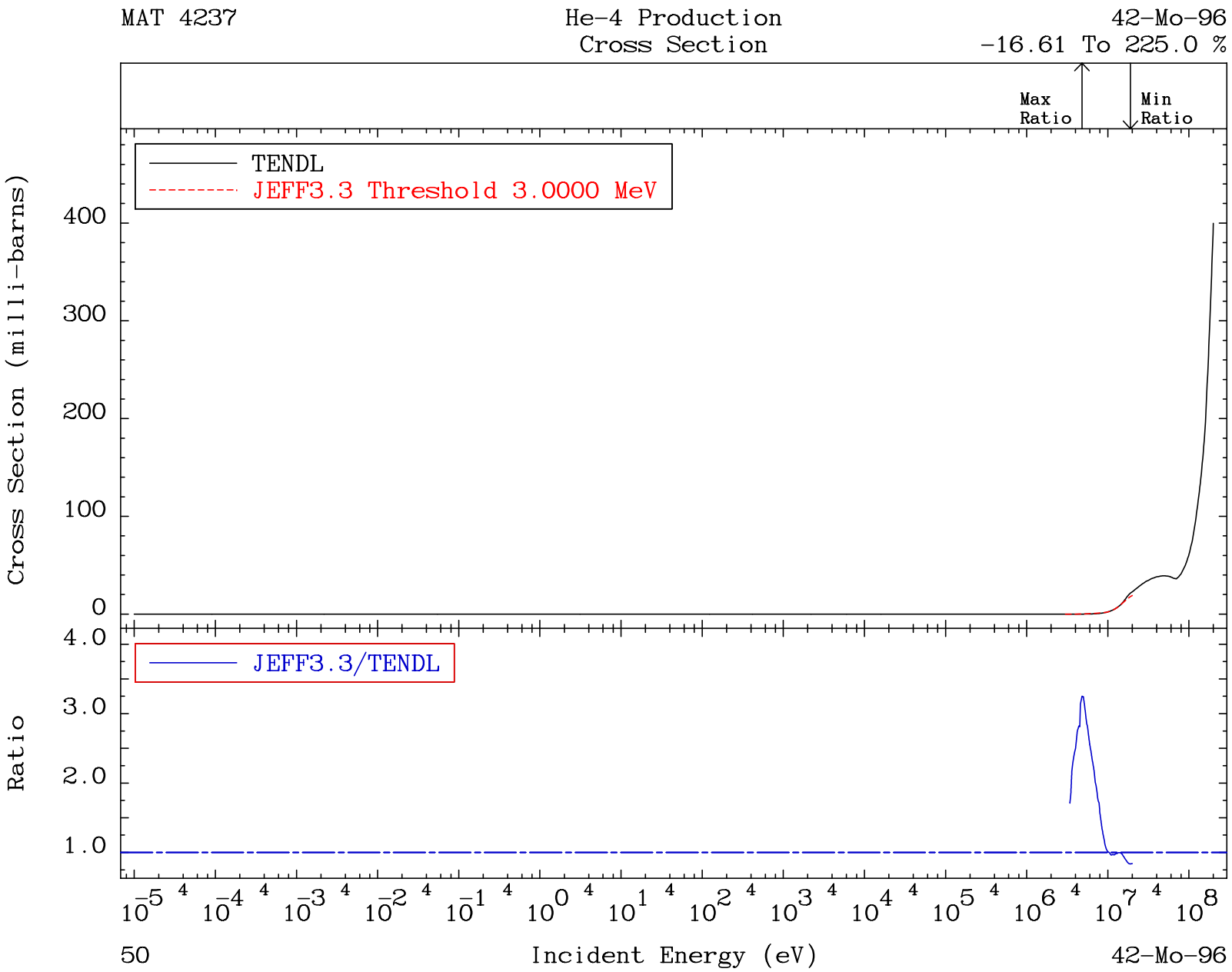

MAT 4237
(n,α)
Cross Section
42-Mo-96
-13.32 To 225.0 %
Max Ratio
Min Ratio
TENDL
JEFF3.3 Threshold 3.0000 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
JEFF3.3/TENDL
Ratio
1.0
2.0
3.0
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
45
Incident Energy (eV)
42-Mo-96

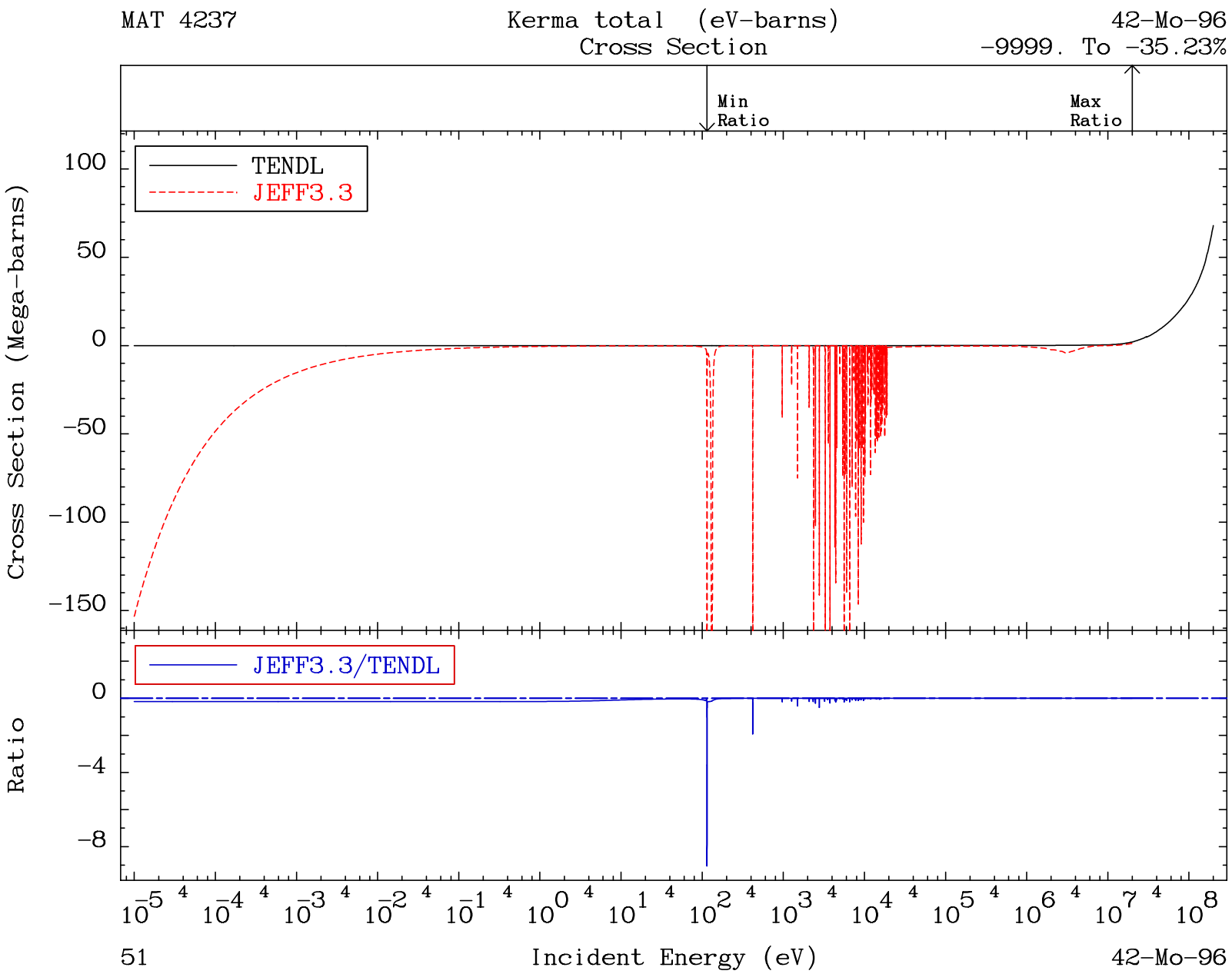

MAT 4237
Hydrogen Production
Cross Section
42-Mo-96
-80.33 To 22.50 %
Min Ratio
Max Ratio
TENDL Threshold 2.4351 MeV
JEFF3.3 Threshold 4.0000 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
42-Mo-96

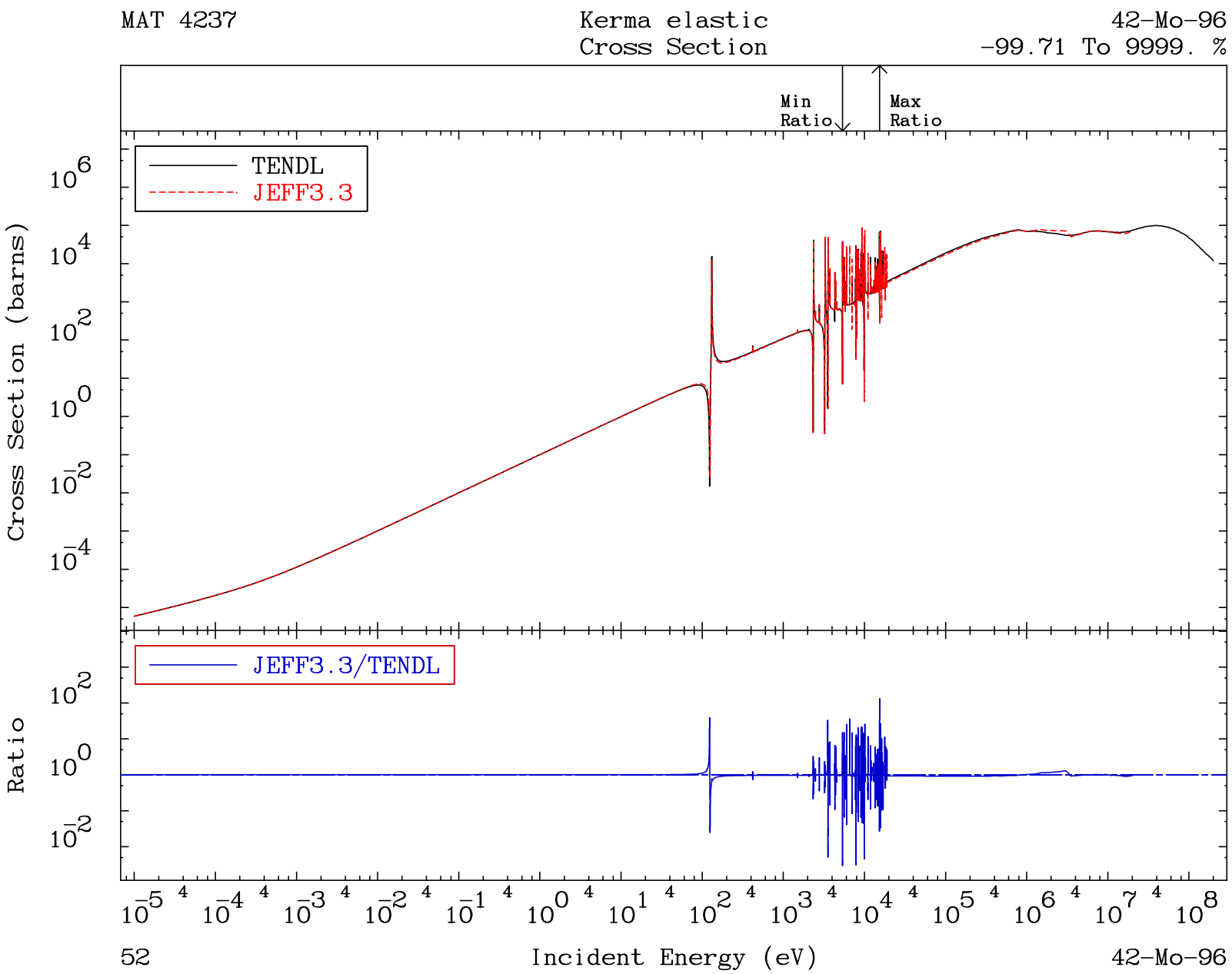

MAT 4237
Deuterium Production
Cross Section
42-Mo-96
-94.39 To 251.6 %
Min Ratio
Max Ratio
TENDL Threshold 7.1474 MeV
JEFF3.3 Threshold 9.5000 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
10^0
10^-1
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
47
Incident Energy (eV)
42-Mo-96

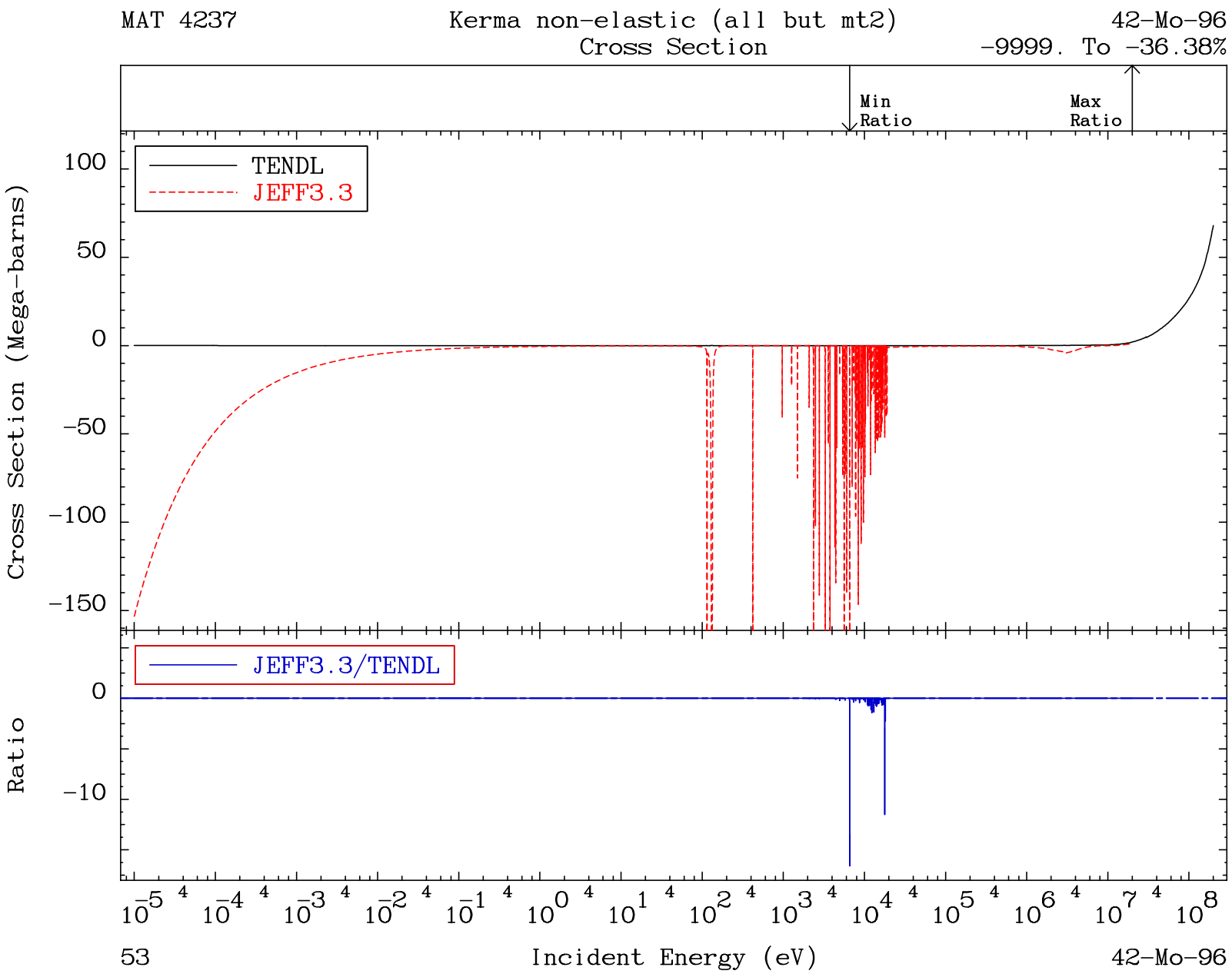

MAT 4237
Tritium Production
Cross Section
42-Mo-96
-10.79 To 2483. %
Max Ratio
Min Ratio
TENDL Threshold 9.4021 MeV
JEFF3.3 Threshold 11.000 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^1
10^0
4
4
10^7
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
42-Mo-96

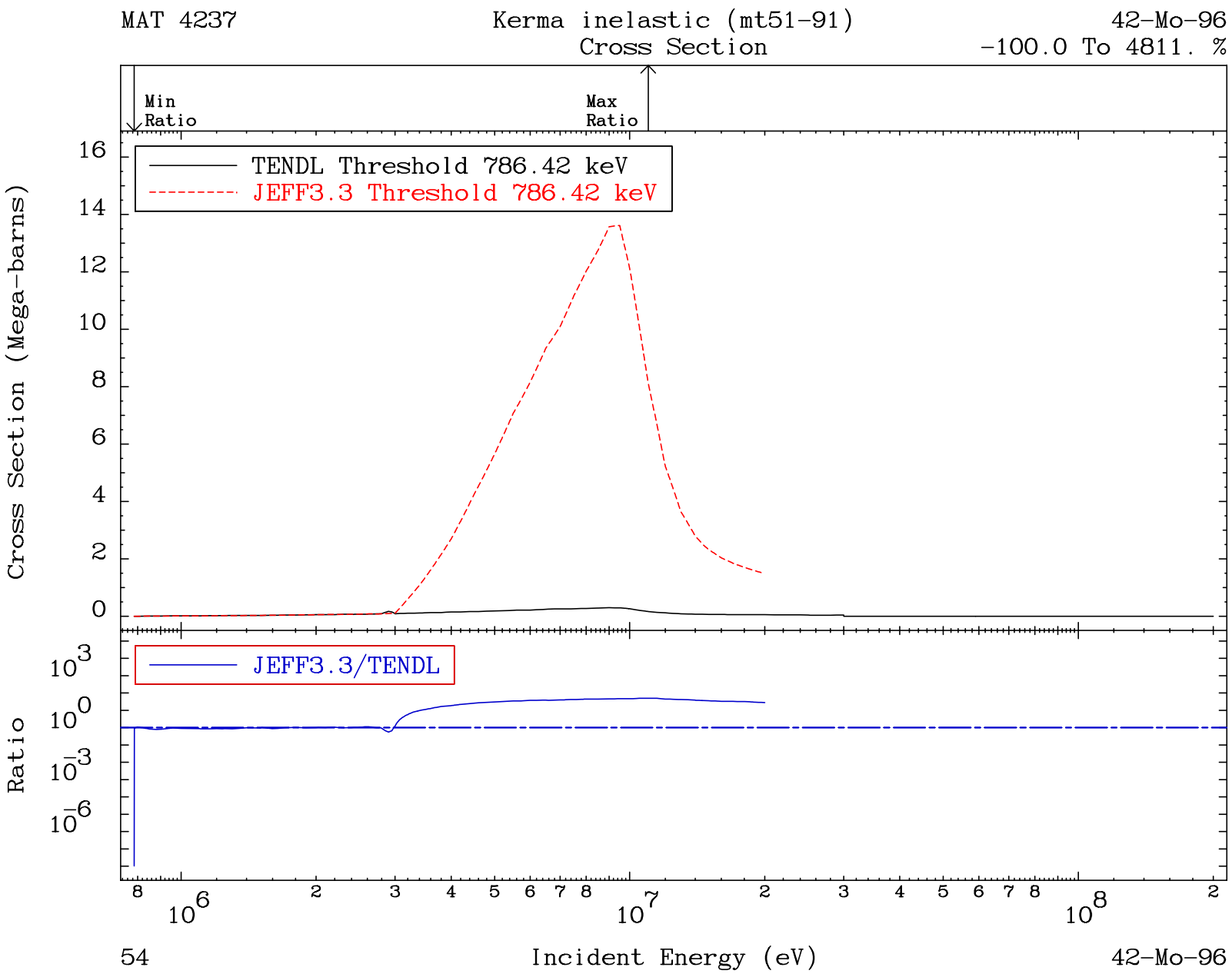

MAT 4237
He-3 Production
Cross Section
42-Mo-96
27.81 To 7219. %
Max Ratio
Min Ratio
TENDL Threshold 8.4736 MeV
JEFF3.3 Threshold 13.000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
42-Mo-96

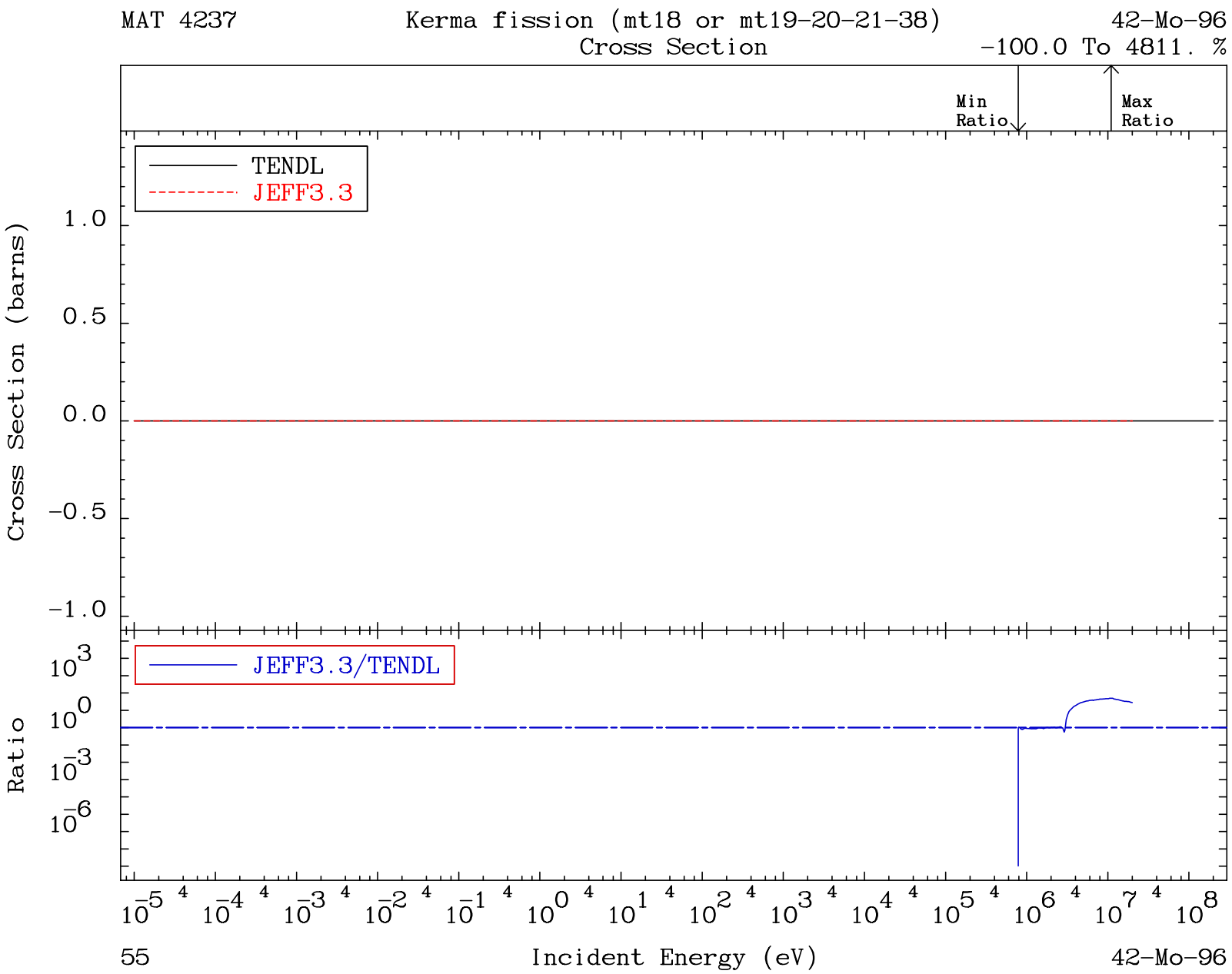

MAT 4237
He-4 Production
Cross Section
42-Mo-96
-16.61 To 225.0 %
Max Ratio
Min Ratio
TENDL
JEFF3.3 Threshold 3.0000 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
4.0
3.0
2.0
1.0
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
50
Incident Energy (eV)
42-Mo-96

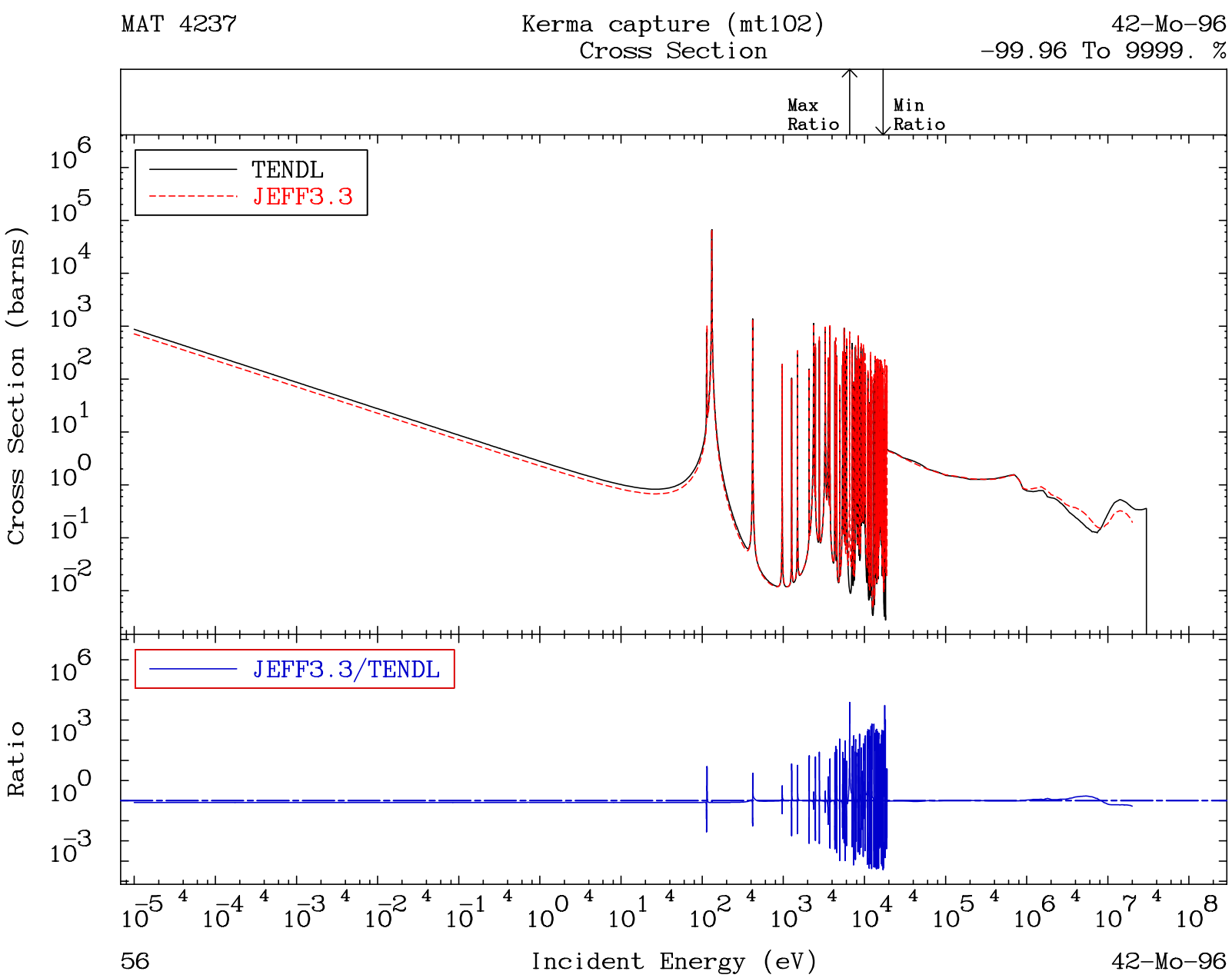

MAT 4237
Kerma total (eV-barns)
Cross Section
42-Mo-96
-9999. To -35.23%
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (Mega-barns)
100
50
0
-50
-100
-150
JEFF3.3/TENDL
Ratio
0
-4
-8
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
51
Incident Energy (eV)
42-Mo-96

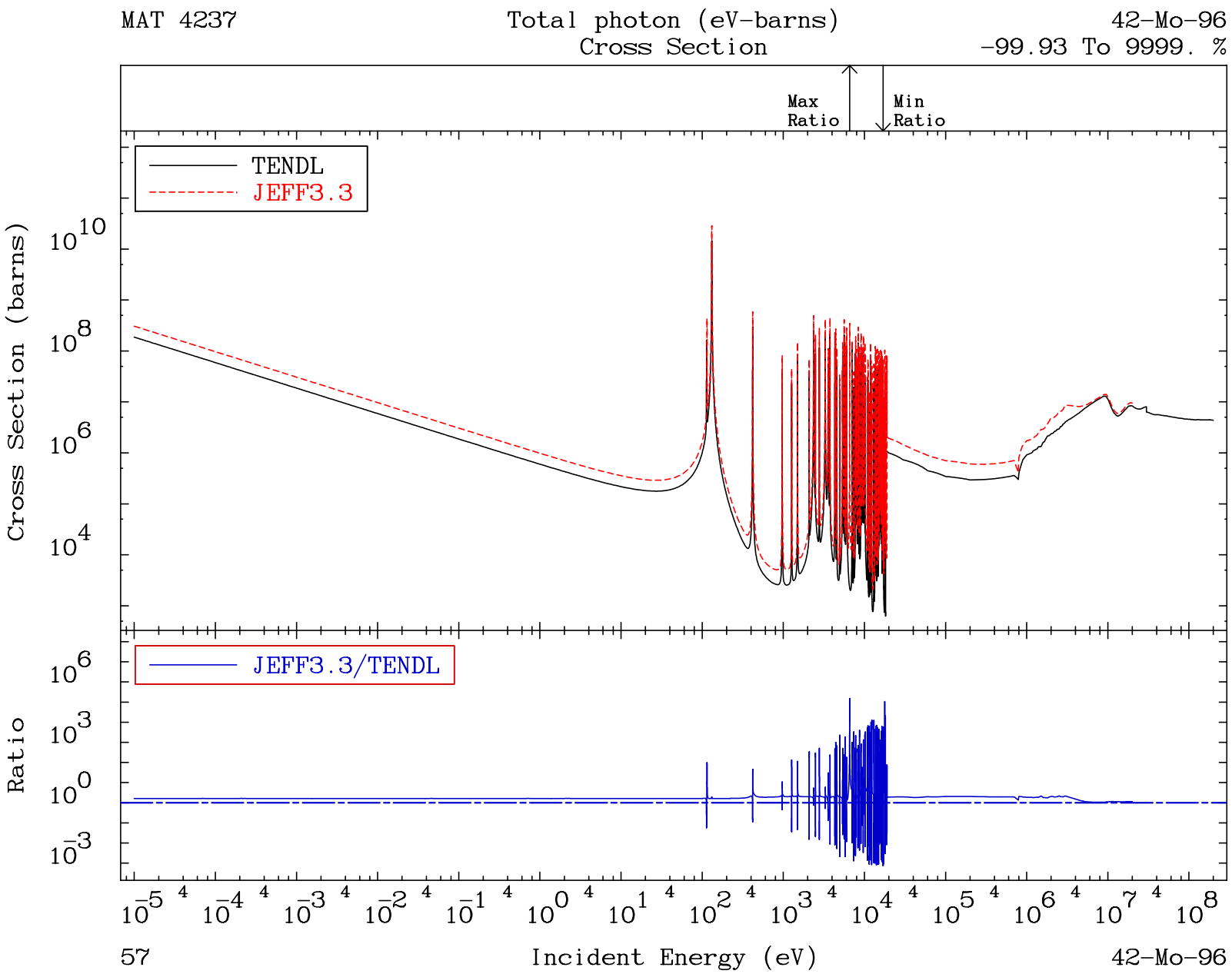

MAT 4237
Kerma elastic
Cross Section
42-Mo-96
-99.71 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
52
42-Mo-96

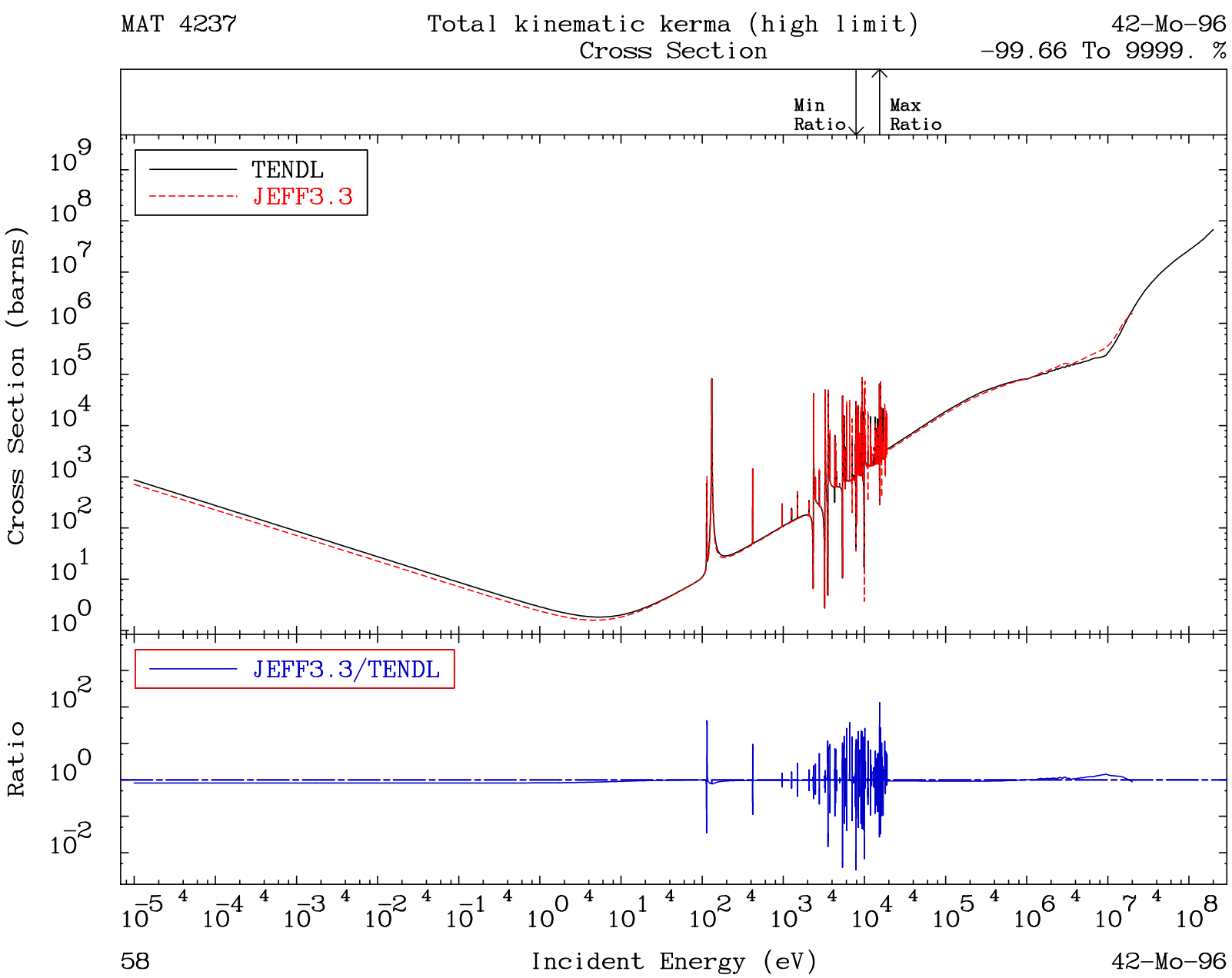

MAT 4237
Kerma non-elastic (all but mt2)
Cross Section
42-Mo-96
-9999. To -36.38%
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (Mega-barns)
Ratio
Incident Energy (eV)
53
42-Mo-96

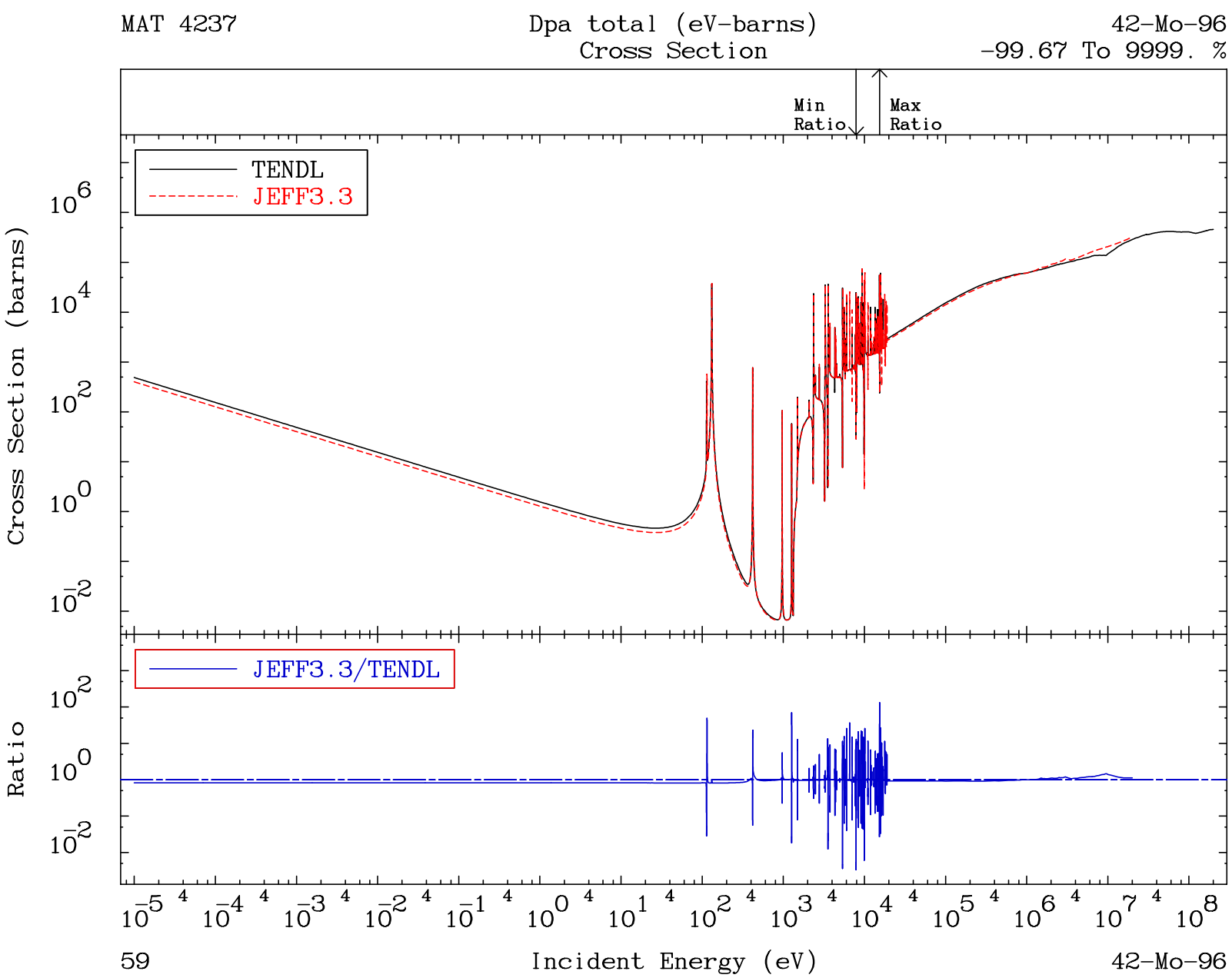

MAT 4237
Kerma inelastic (mt51-91)
Cross Section
42-Mo-96
-100.0 To 4811. %
Min Ratio
Max Ratio
TENDL Threshold 786.42 keV
JEFF3.3 Threshold 786.42 keV
Cross Section (Mega-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
54
42-Mo-96

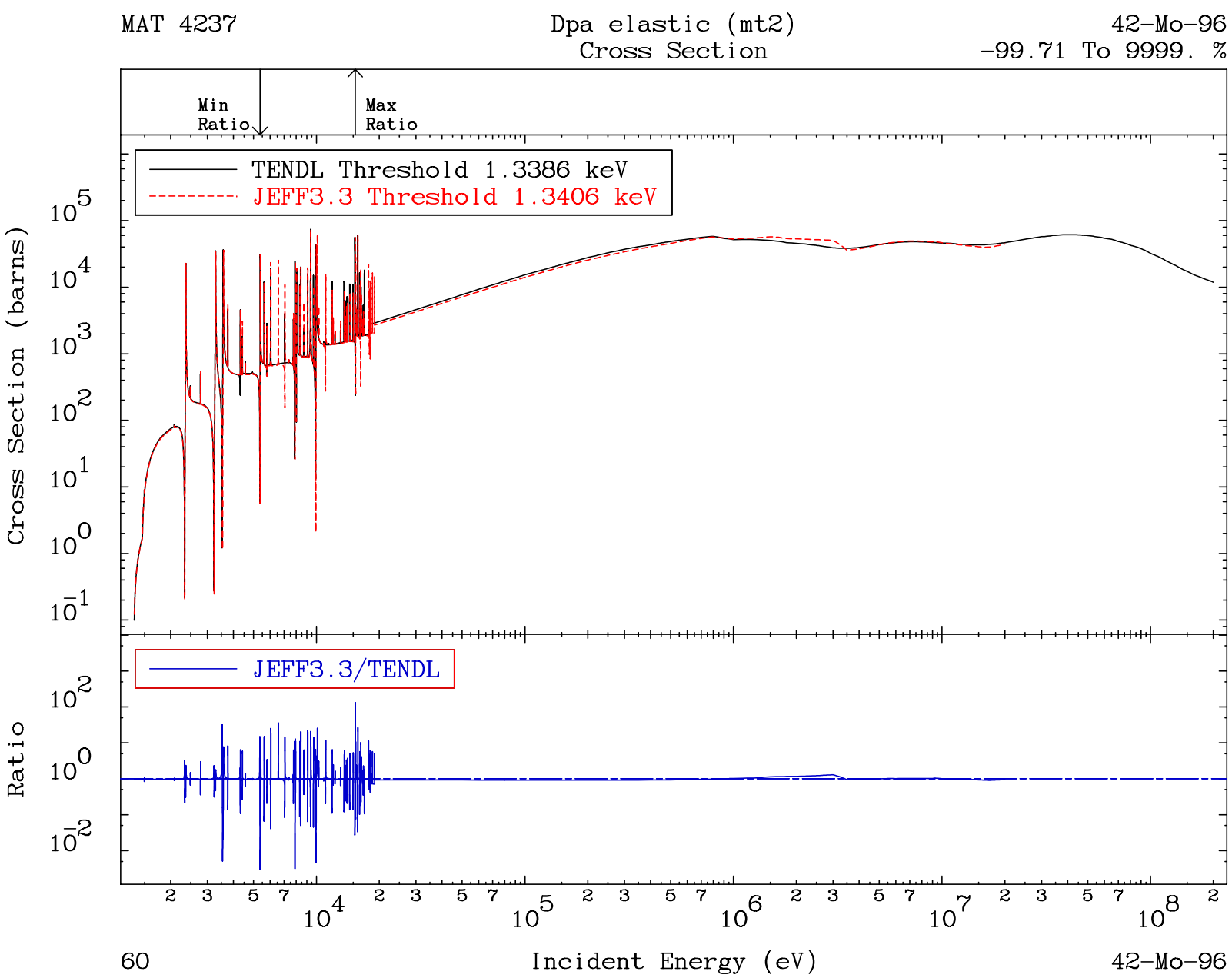

MAT 4237
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
42-Mo-96
-100.0 To 4811. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
10^3
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
55
Incident Energy (eV)
42-Mo-96

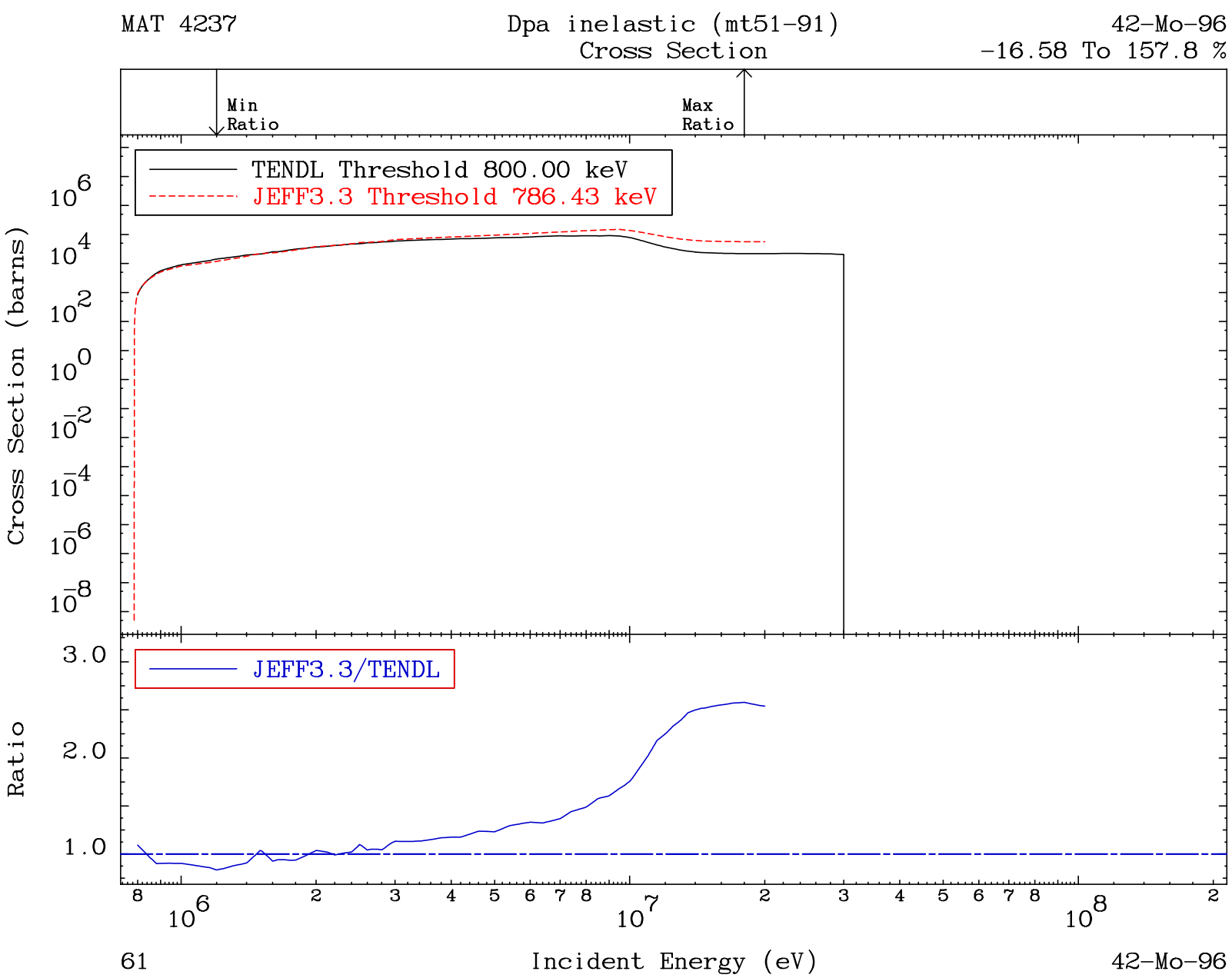

MAT 4237
Kerma capture (mt102)
Cross Section
42-Mo-96
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
56
42-Mo-96

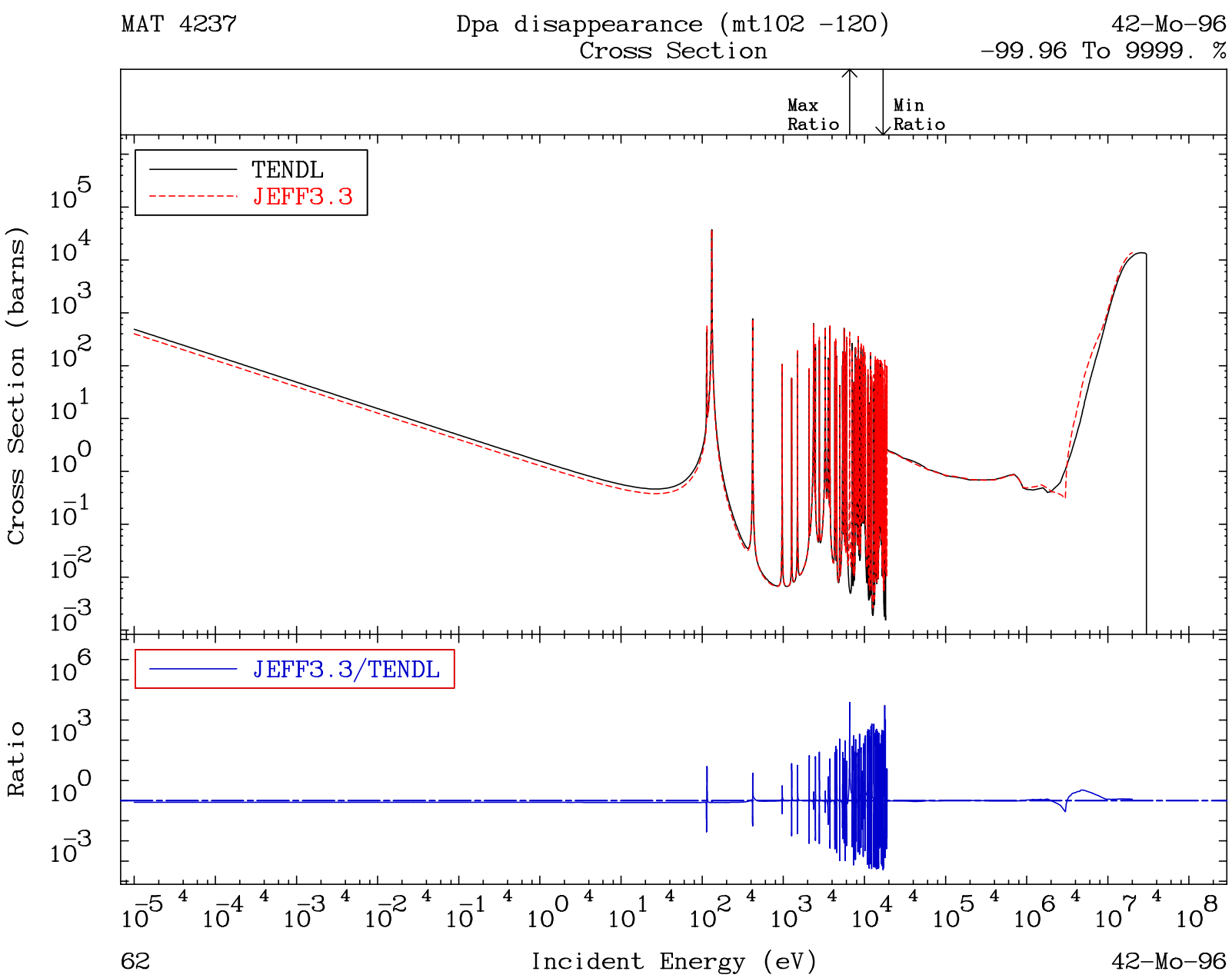

MAT 4237
Total photon (eV-barns)
Cross Section
42-Mo-96
-99.93 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
42-Mo-96


MAT 4237
Total kinematic kerma (high limit)
Cross Section
42-Mo-96
-99.66 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
58
42-Mo-96


MAT 4237
Dpa total (eV-barns)
Cross Section
42-Mo-96
-99.67 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
59
42-Mo-96


MAT 4237
Dpa elastic (mt2)
Cross Section
42-Mo-96
-99.71 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3386 keV
JEFF3.3 Threshold 1.3406 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
60
42-Mo-96


MAT 4237
Dpa inelastic (mt51-91)
Cross Section
42-Mo-96
-16.58 To 157.8 %
Min Ratio
Max Ratio
TENDL Threshold 800.00 keV
JEFF3.3 Threshold 786.43 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
61
42-Mo-96


MAT 4237
Dpa disappearance (mt102 -120)
Cross Section
42-Mo-96
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
62
42-Mo-96