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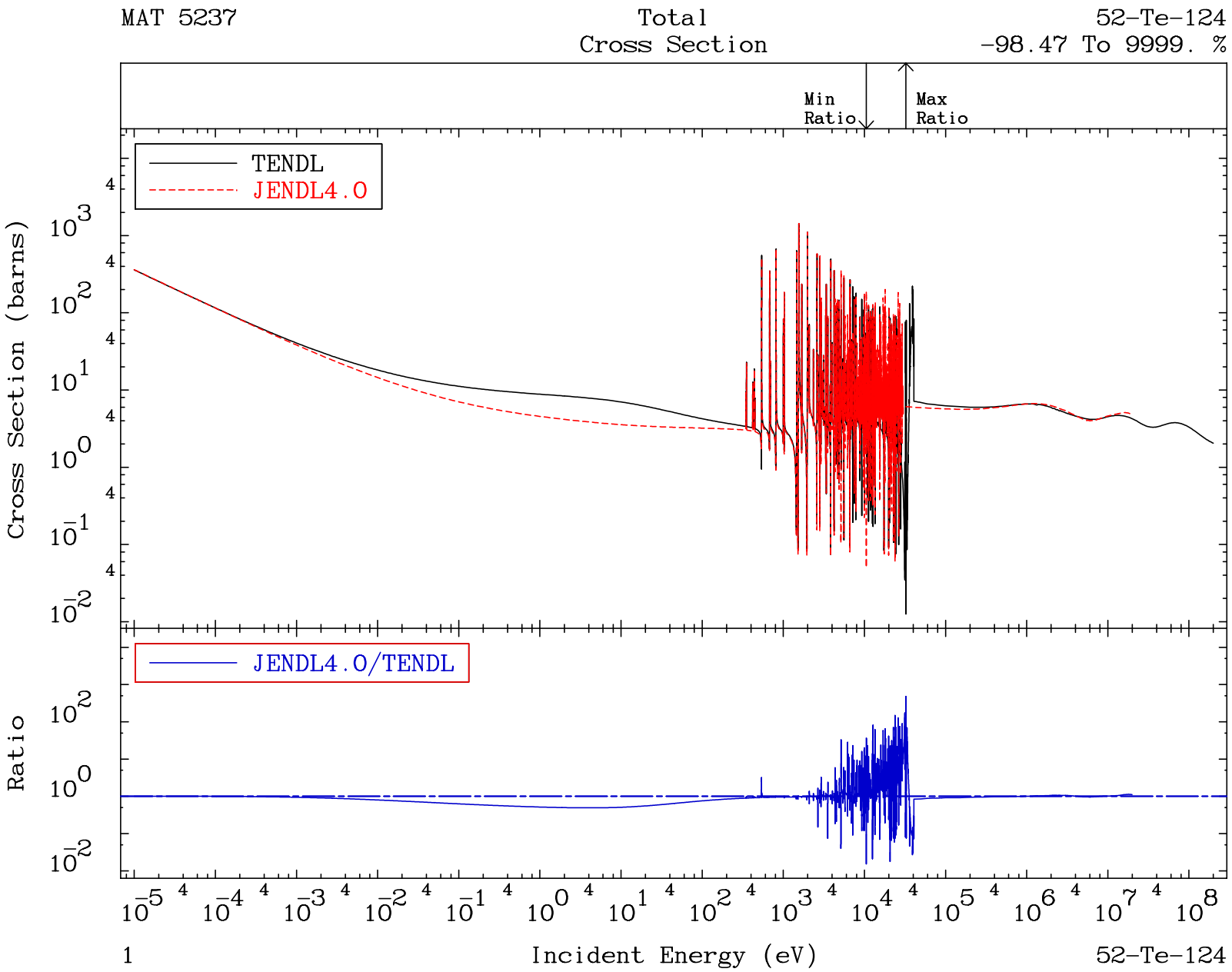
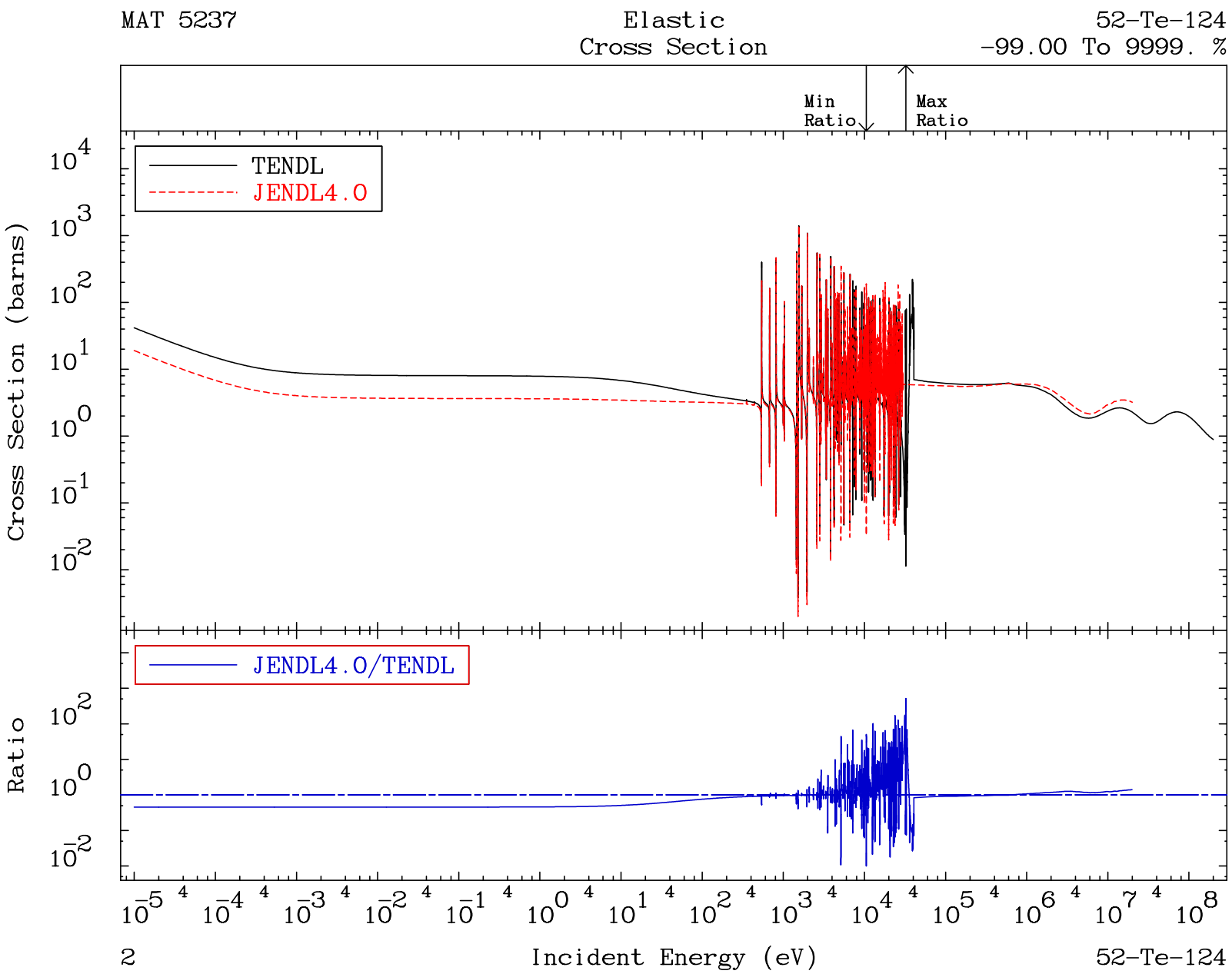
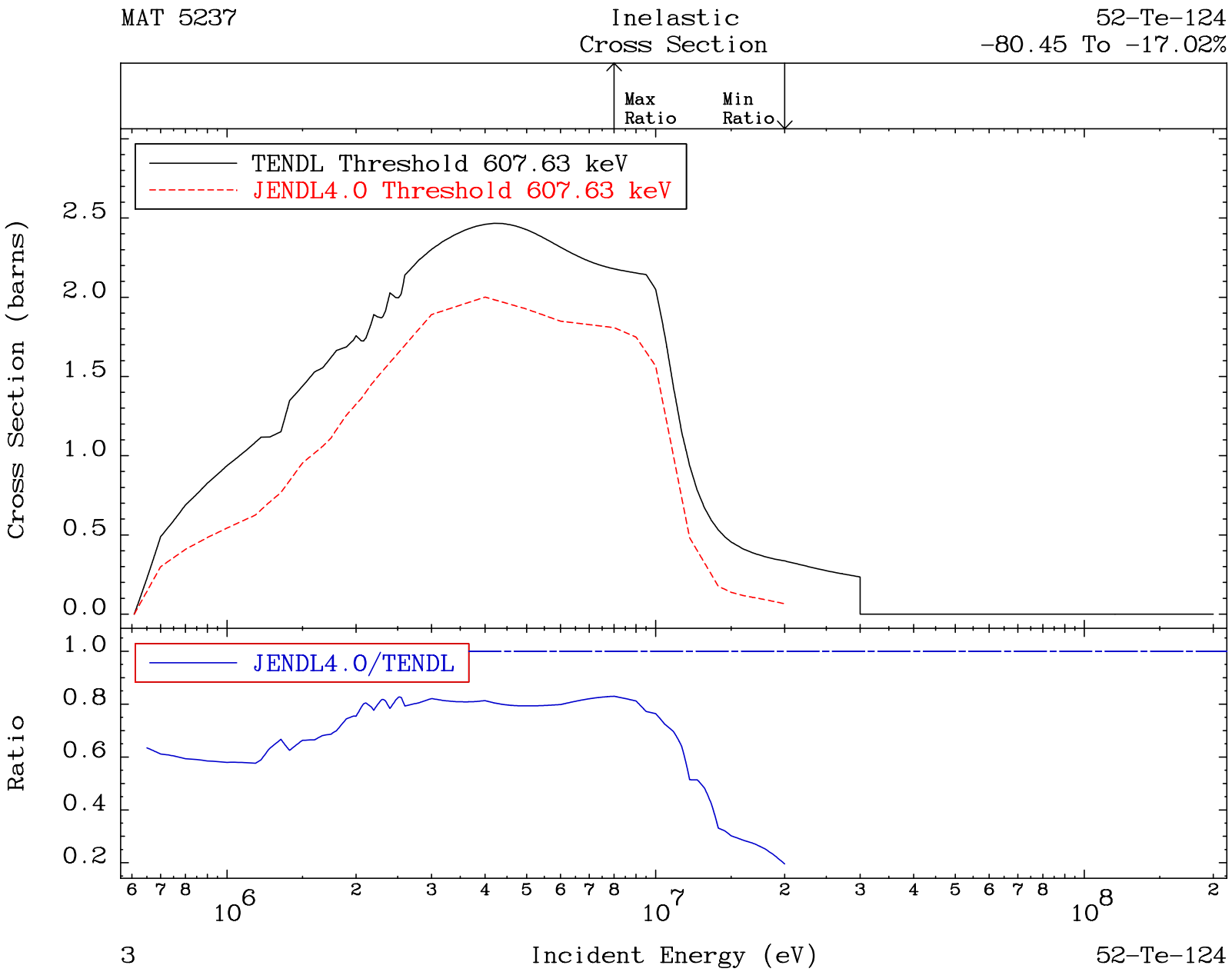
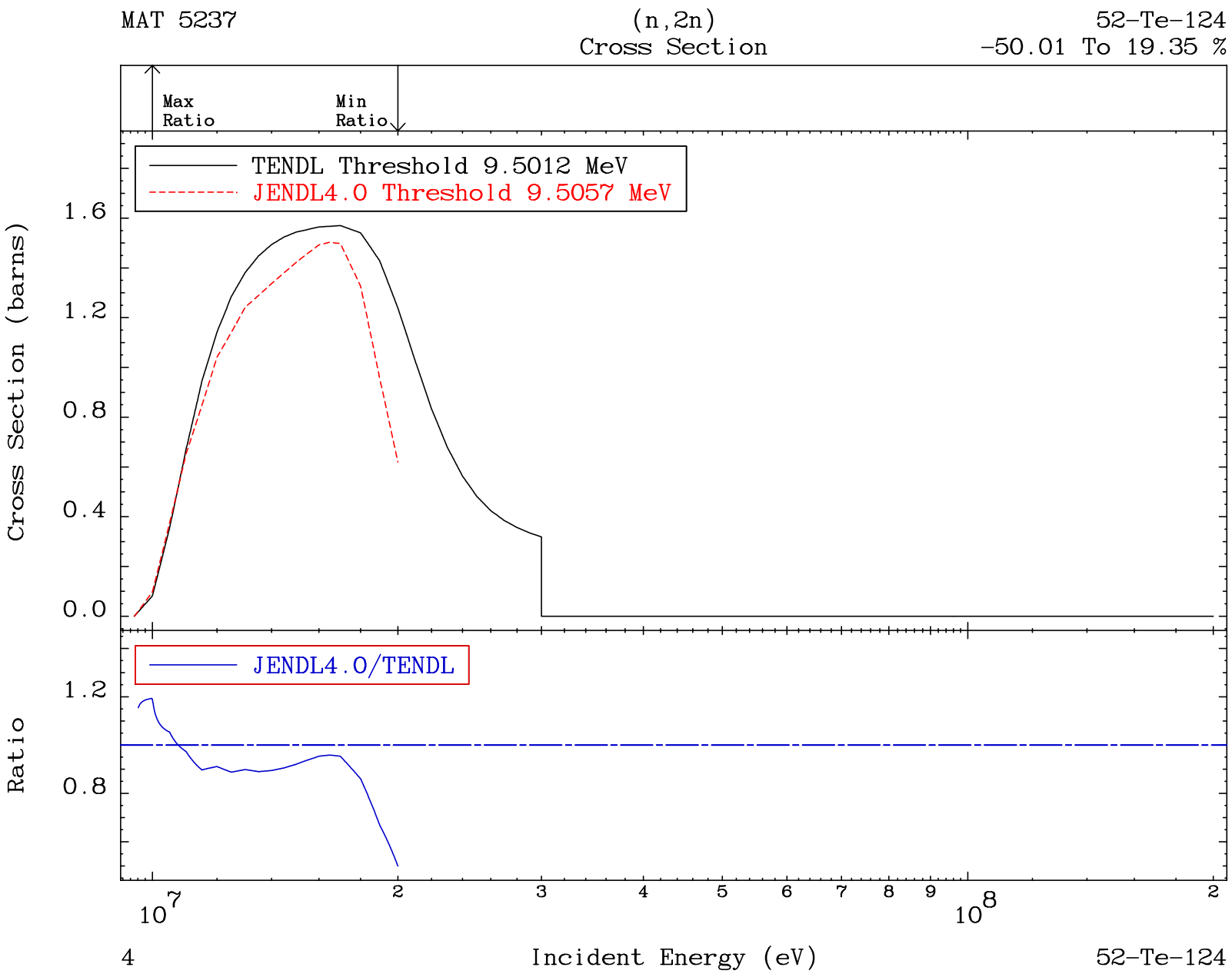
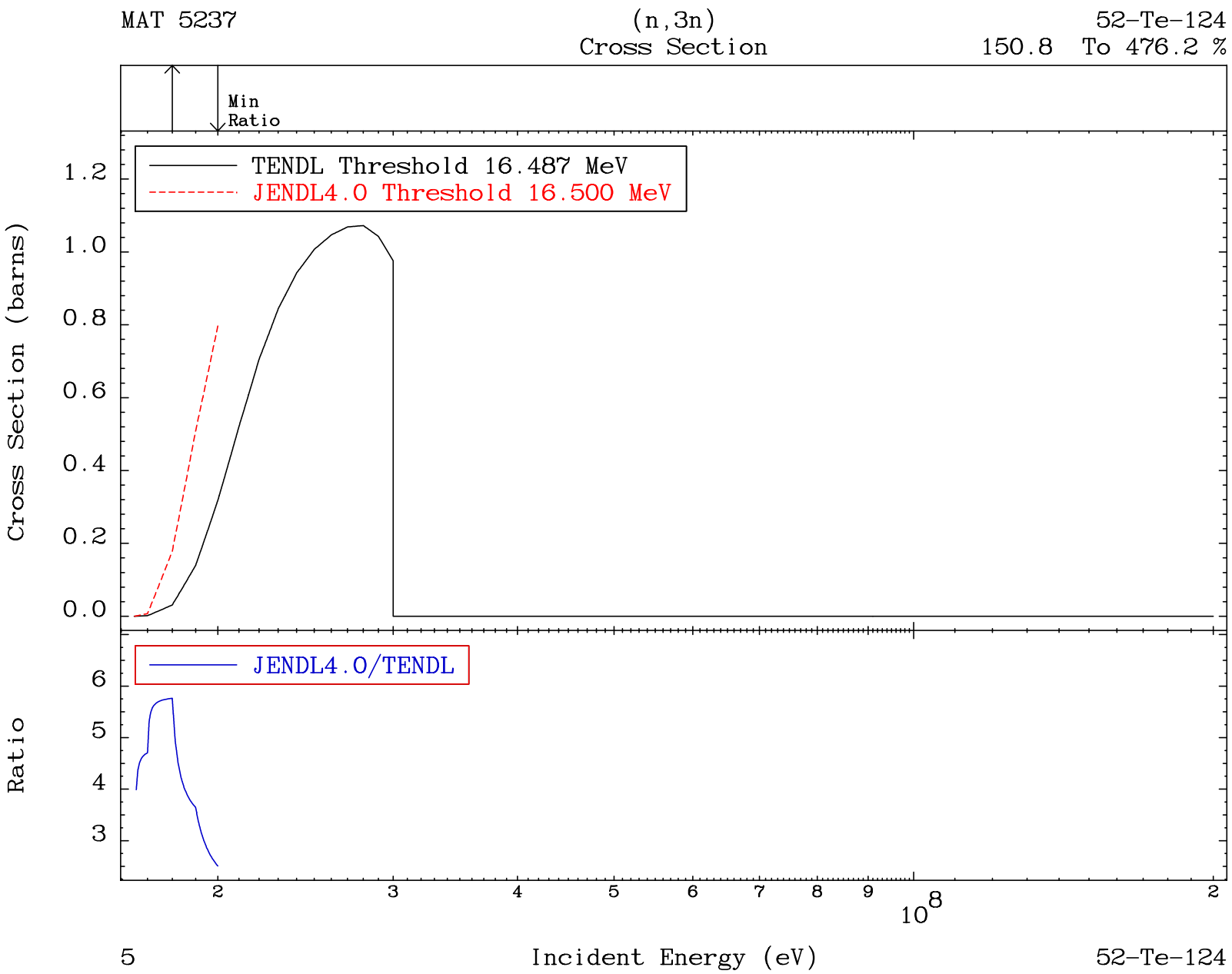
Press Mouse Button to Start

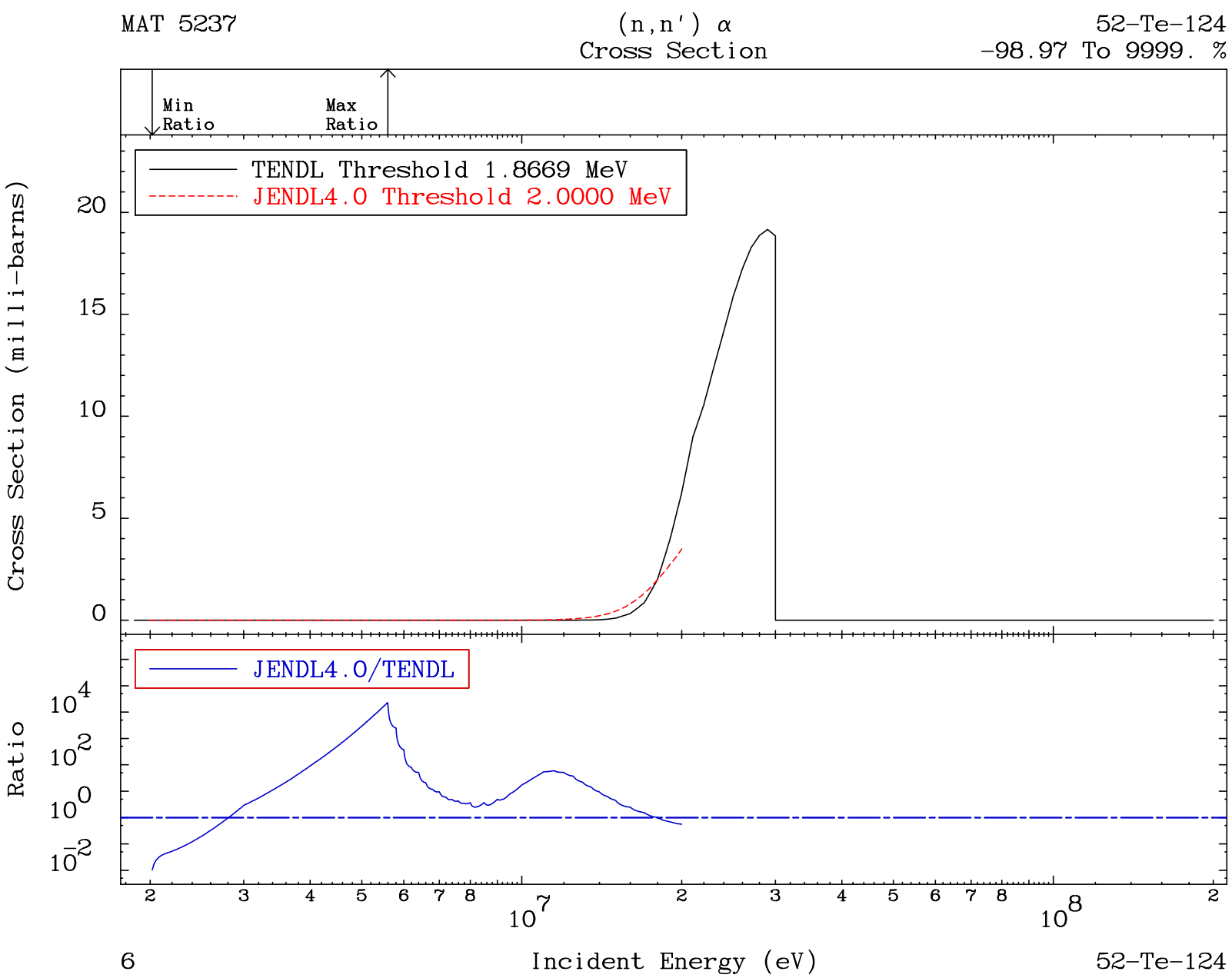

MAT 5237
Total
Cross Section
52-Te-124
-98.47 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
1
52-Te-124

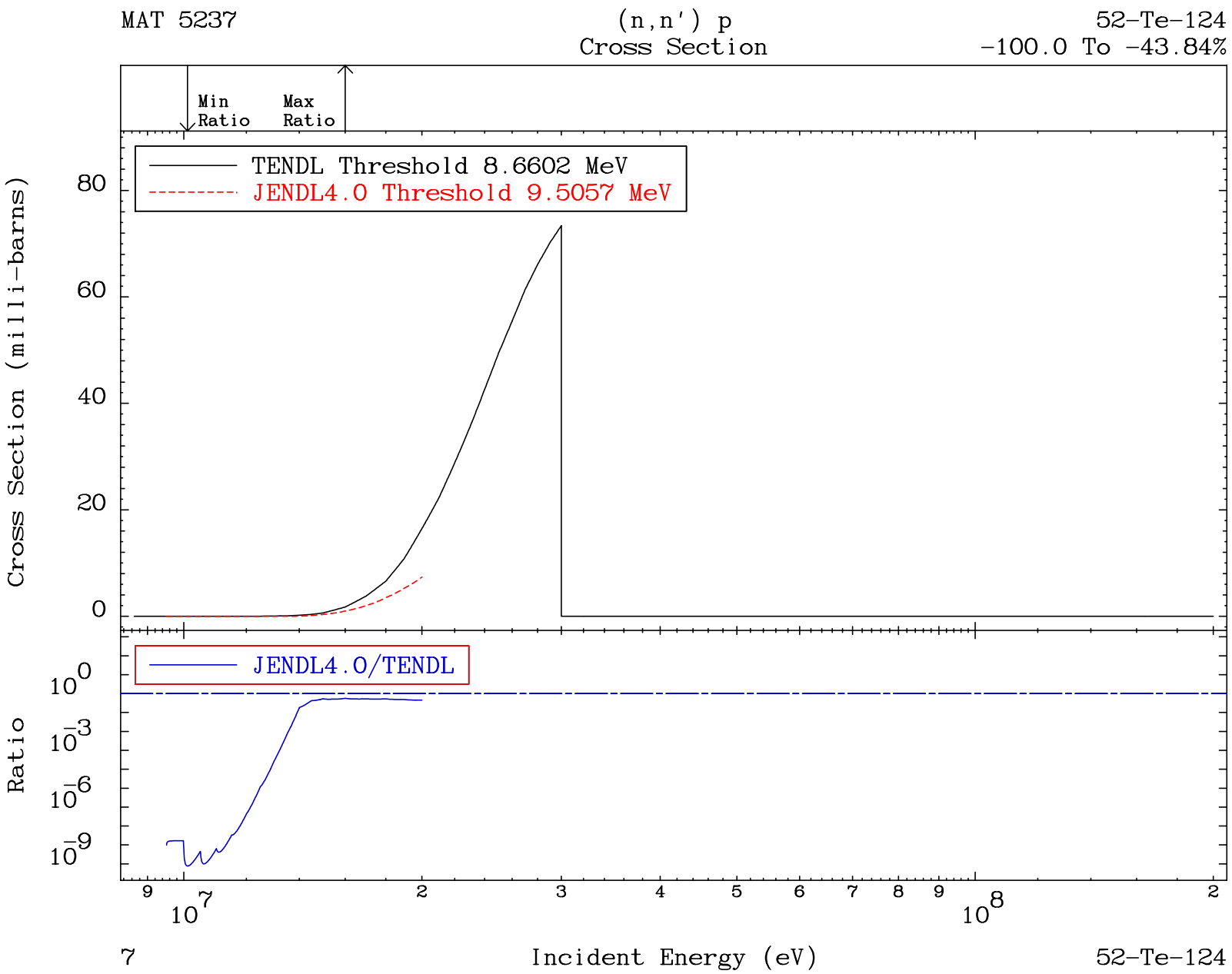

MAT 5237
Elastic
Cross Section
52-Te-124
-99.00 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
2
52-Te-124

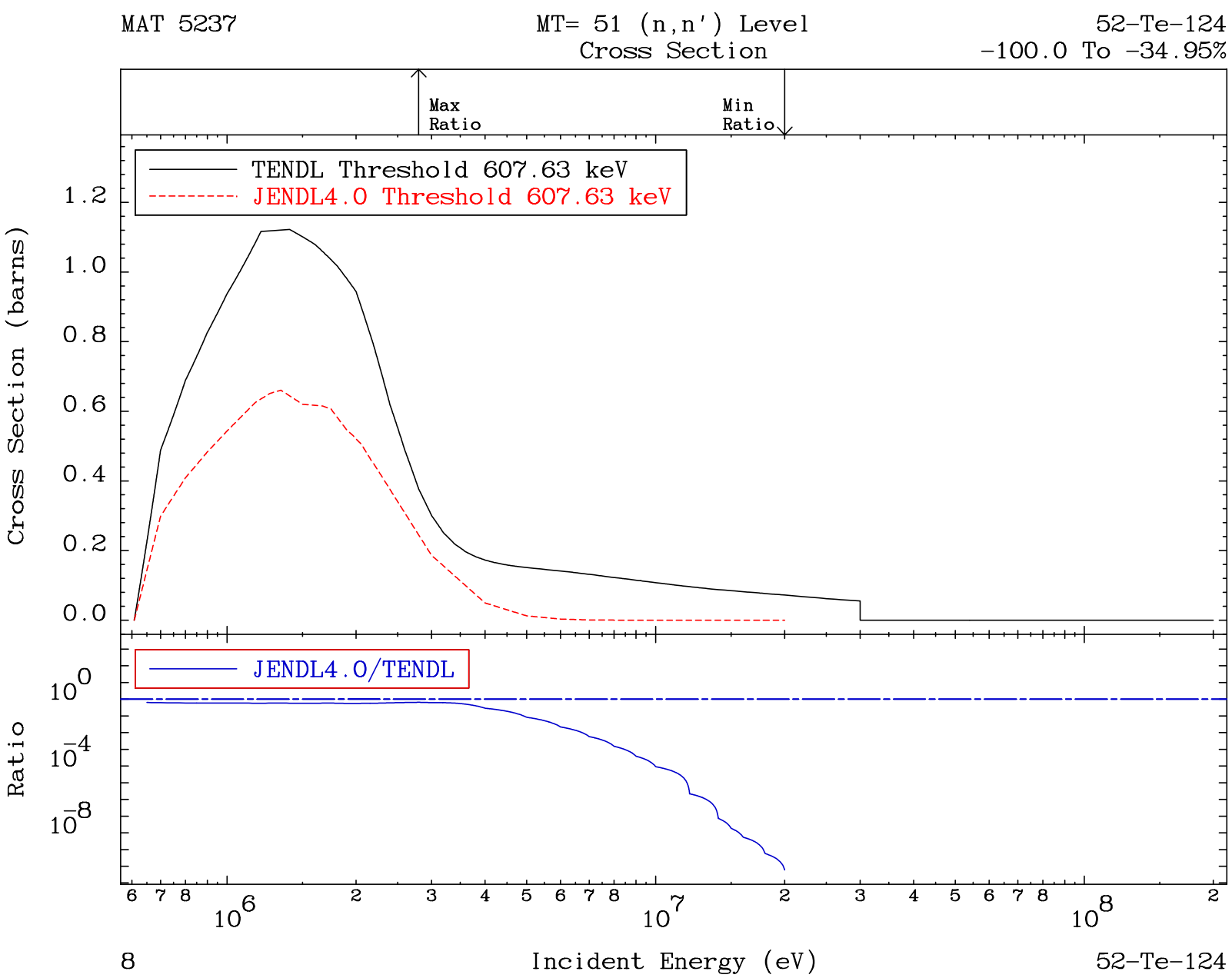

MAT 5237
Inelastic
Cross Section
52-Te-124
-80.45 To -17.02%
Max
Ratio
Min
Ratio
TENDL Threshold 607.63 keV
JENDL4.0 Threshold 607.63 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
1.0
0.8
0.6
0.4
0.2
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
52-Te-124

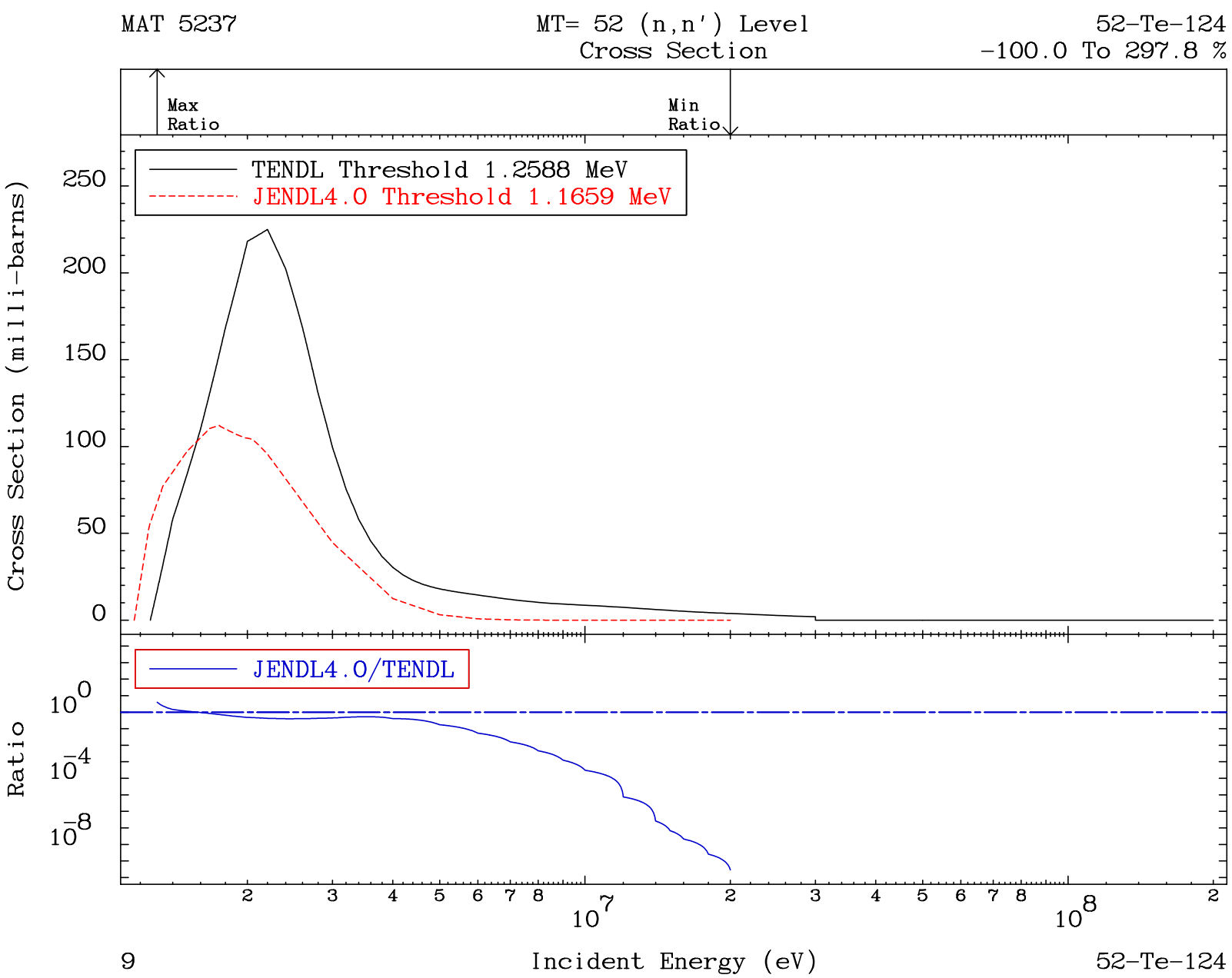

MAT 5237
(n,2n)
Cross Section
52-Te-124
-50.01 To 19.35 %
Max Ratio
Min Ratio
TENDL Threshold 9.5012 MeV
JENDL4.0 Threshold 9.5057 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL4.0/TENDL
Ratio
1.2
0.8
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
52-Te-124

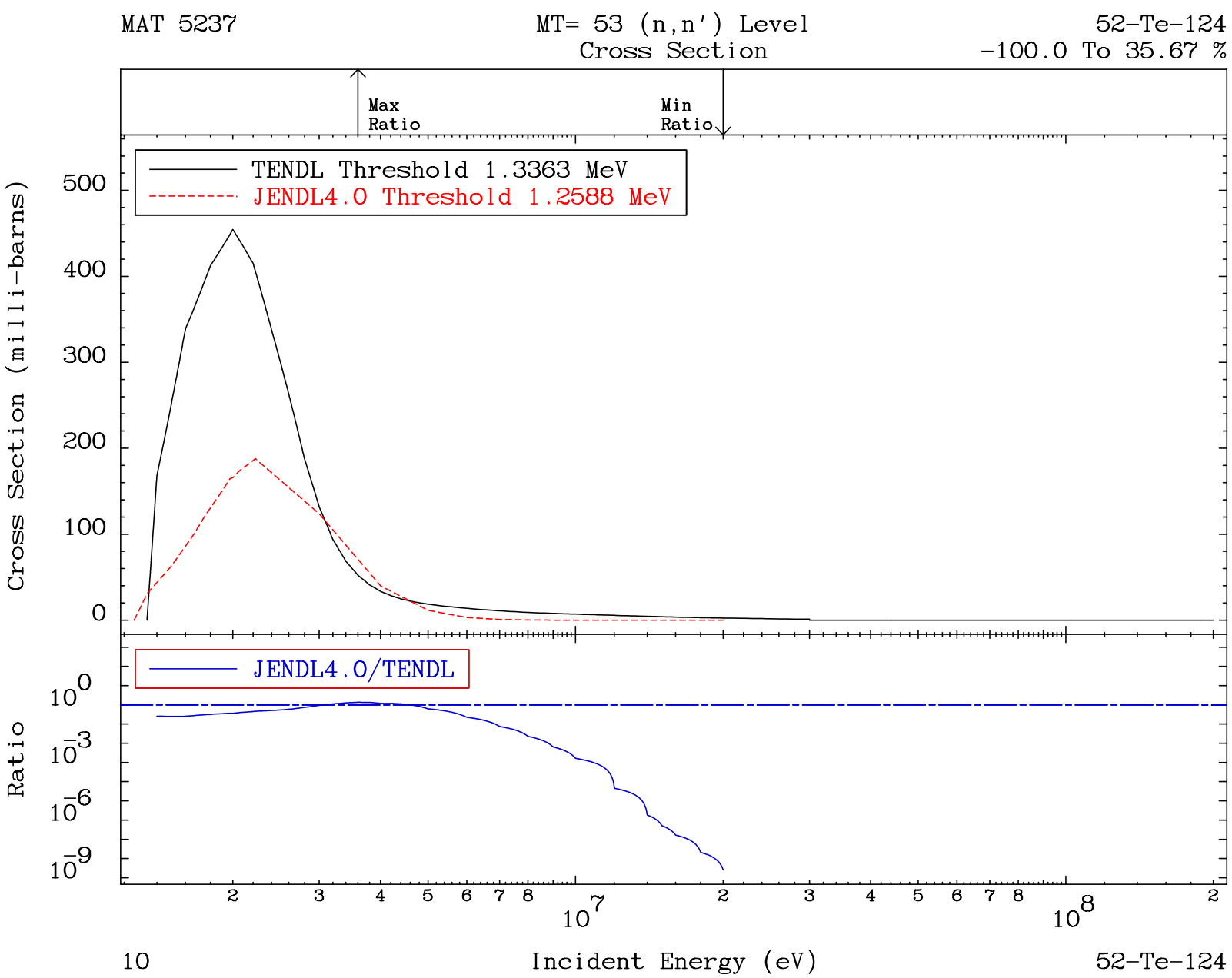

MAT 5237
(n,3n)
Cross Section
52-Te-124
150.8 To 476.2 %
Min
Ratio
TENDL Threshold 16.487 MeV
JENDL4.0 Threshold 16.500 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
6
5
4
3
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-124

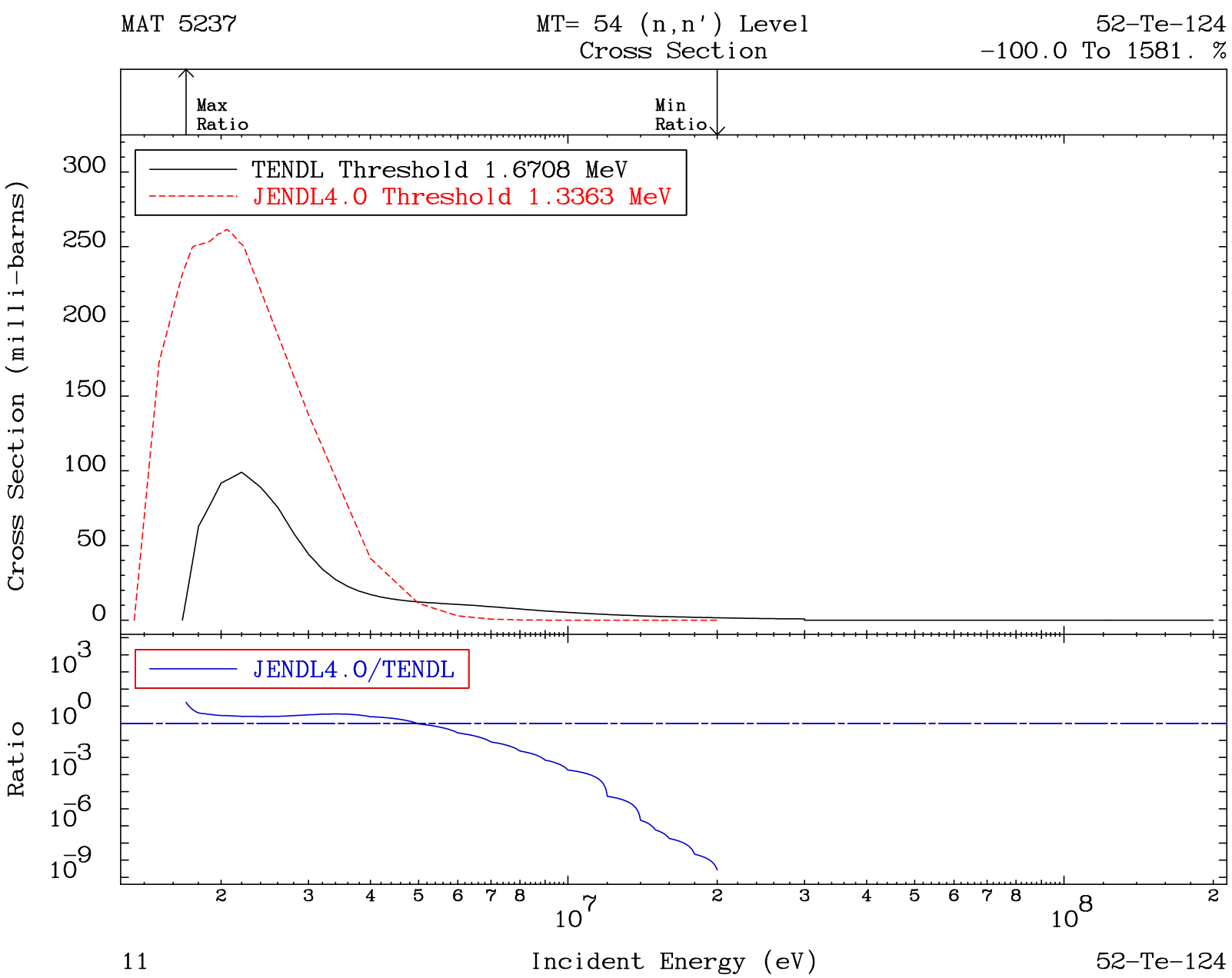

MAT 5237
(n,n') α
Cross Section
52-Te-124
-98.97 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.8669 MeV
JENDL4.0 Threshold 2.0000 MeV
Cross Section (milli-barns)
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
10^-2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
6
Incident Energy (eV)
52-Te-124

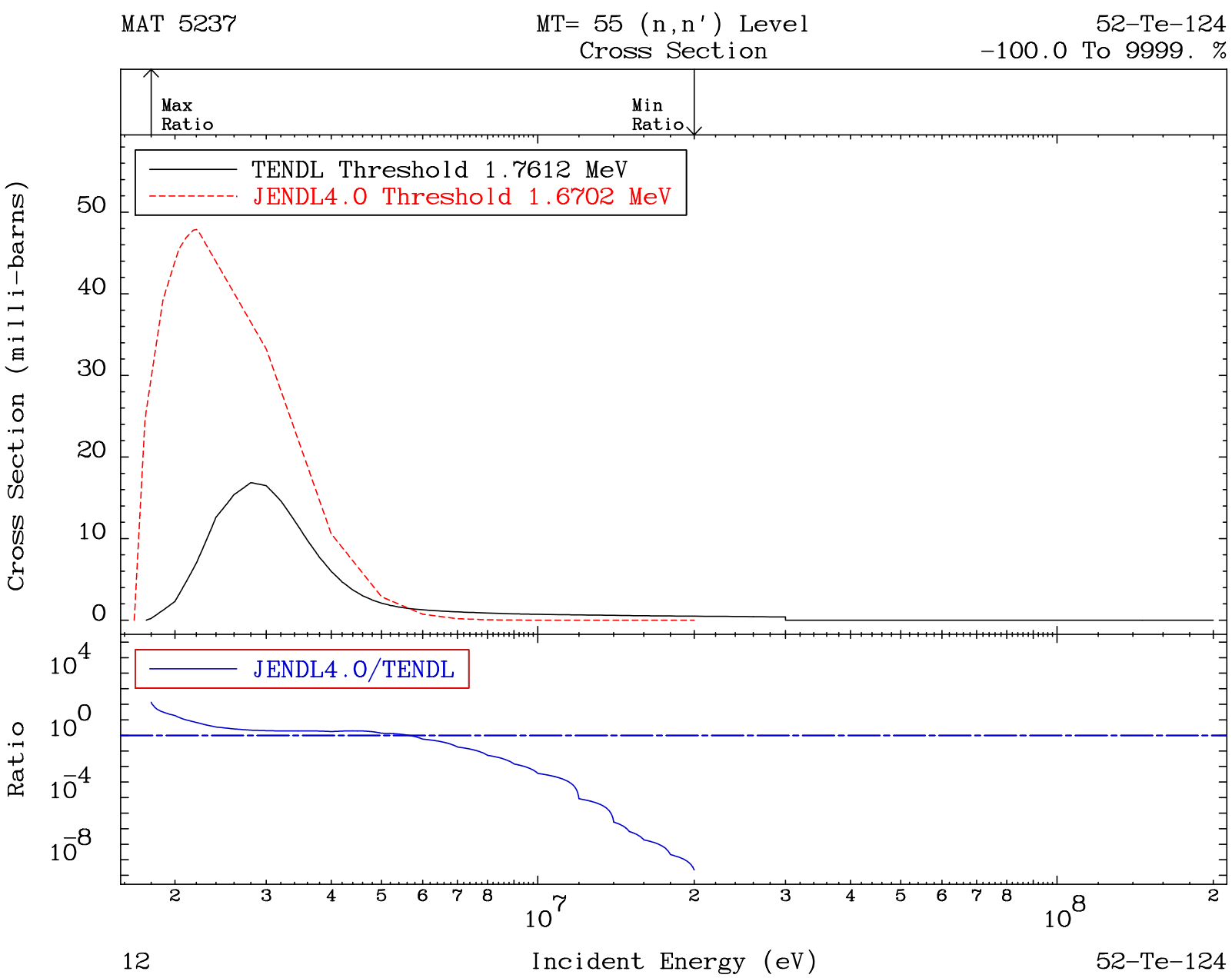

MAT 5237
(n,n') p
Cross Section
52-Te-124
-100.0 To -43.84%
Min Ratio
Max Ratio
TENDL Threshold 8.6602 MeV
JENDL4.0 Threshold 9.5057 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
52-Te-124

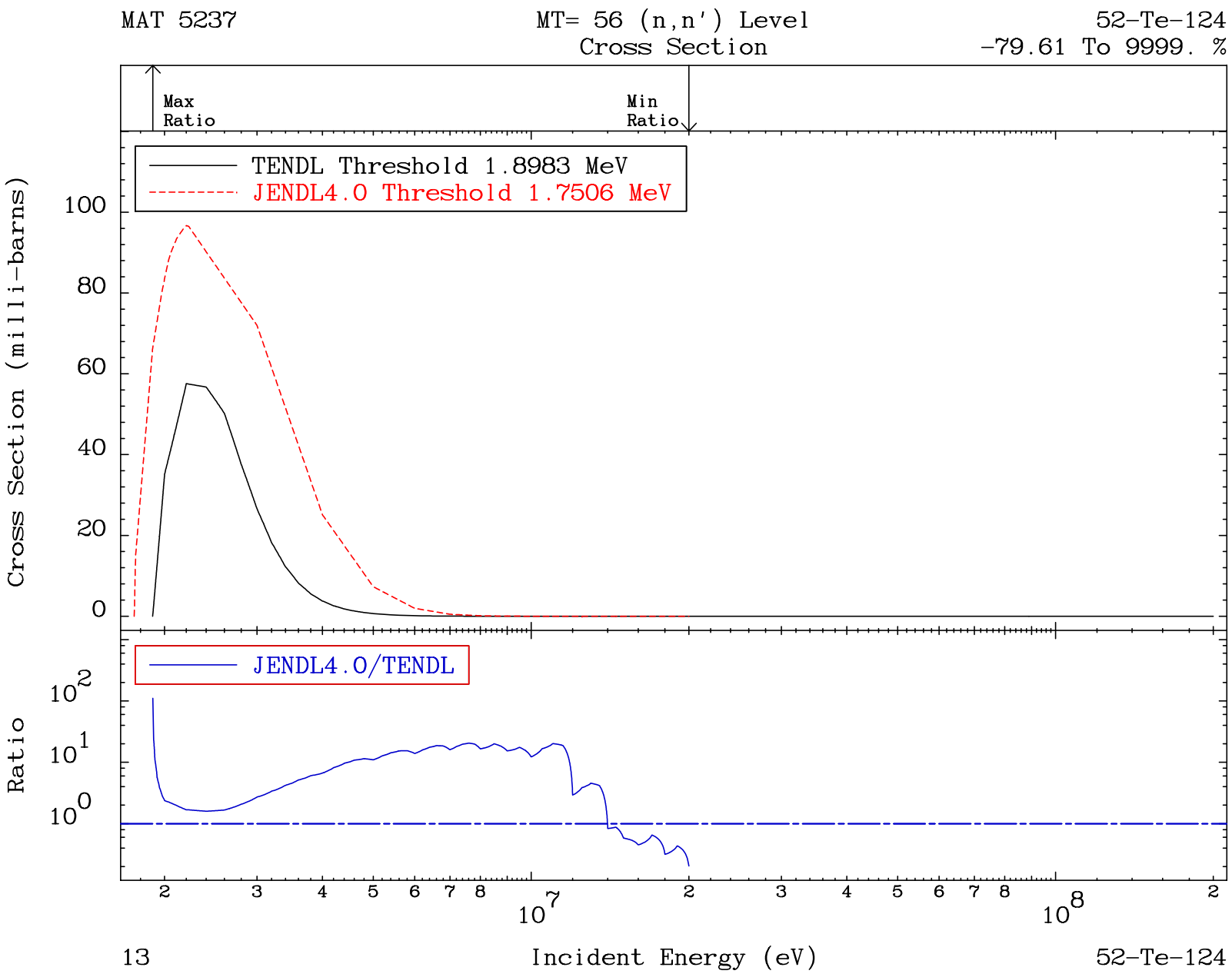

MAT 5237
MT= 51 (n,n') Level
Cross Section
52-Te-124
-100.0 To -34.95%
Max
Ratio
Min
Ratio
TENDL Threshold 607.63 keV
JENDL4.0 Threshold 607.63 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
10^0
10^-4
10^-8
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
8
Incident Energy (eV)
52-Te-124

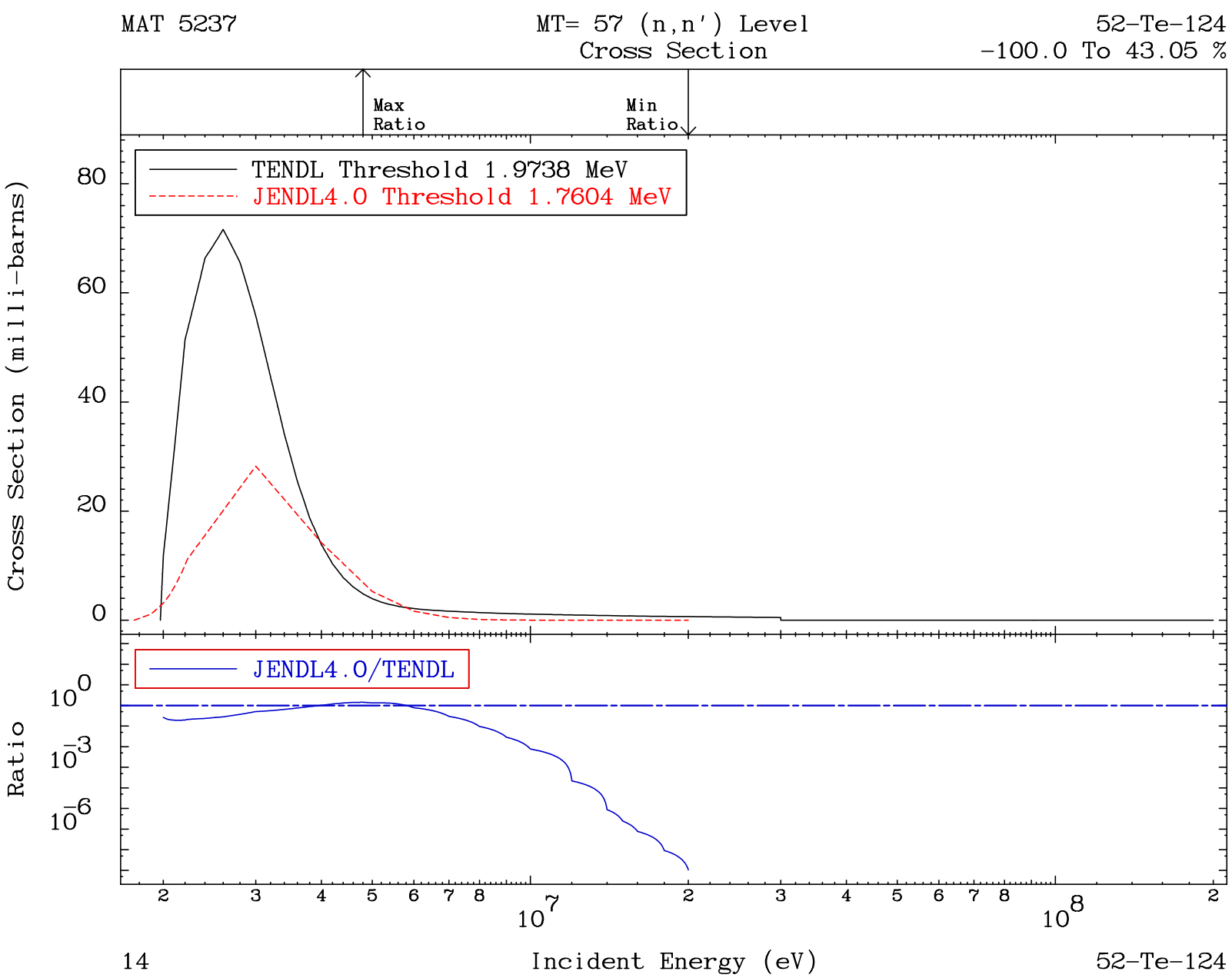

MAT 5237
MT= 52 (n,n') Level
Cross Section
52-Te-124
-100.0 To 297.8 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.2588 MeV
JENDL4.0 Threshold 1.1659 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-4
10^-8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
52-Te-124

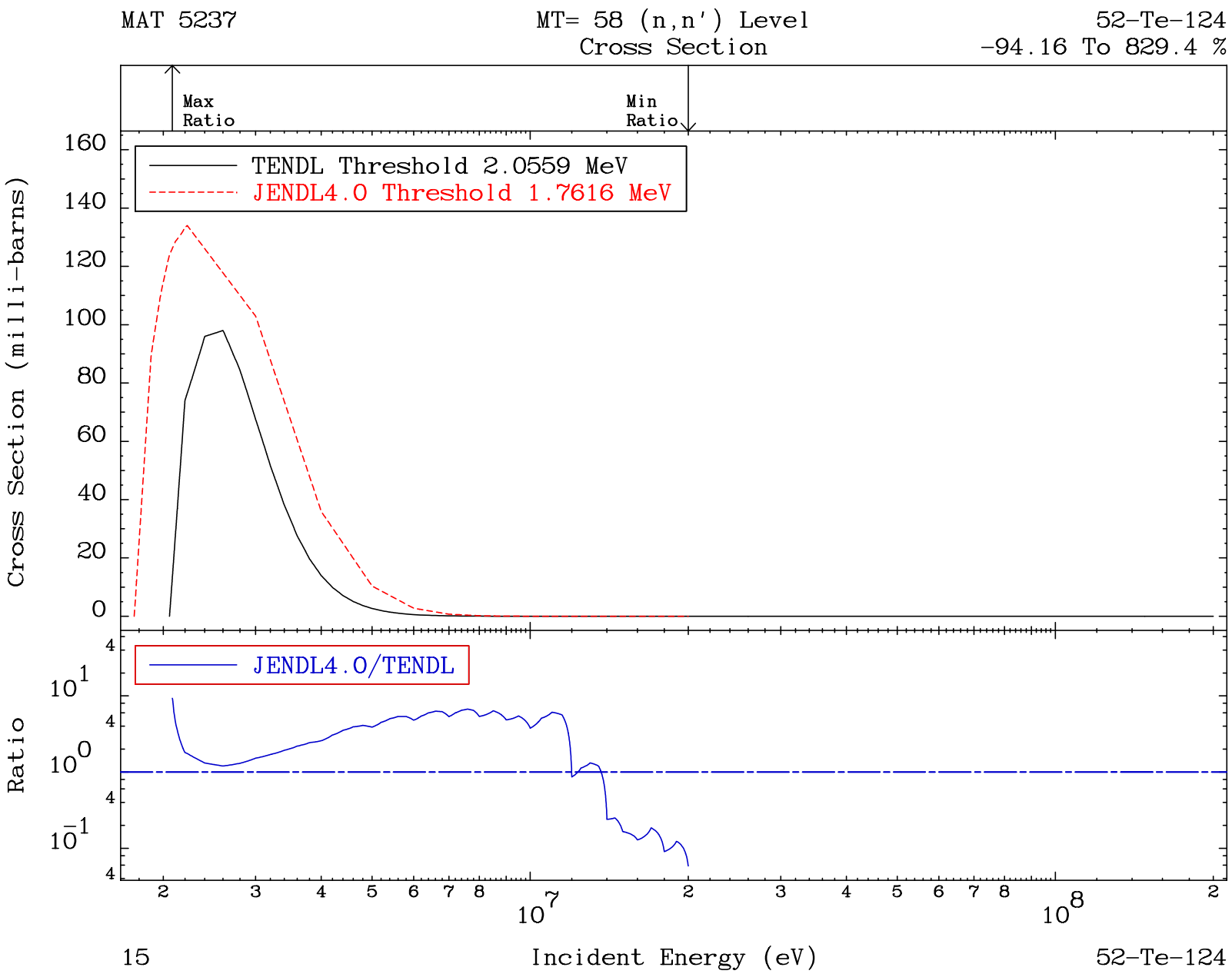

MAT 5237
MT= 53 (n,n') Level
Cross Section
52-Te-124
-100.0 To 35.67 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.3363 MeV
JENDL4.0 Threshold 1.2588 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
10
Incident Energy (eV)
52-Te-124

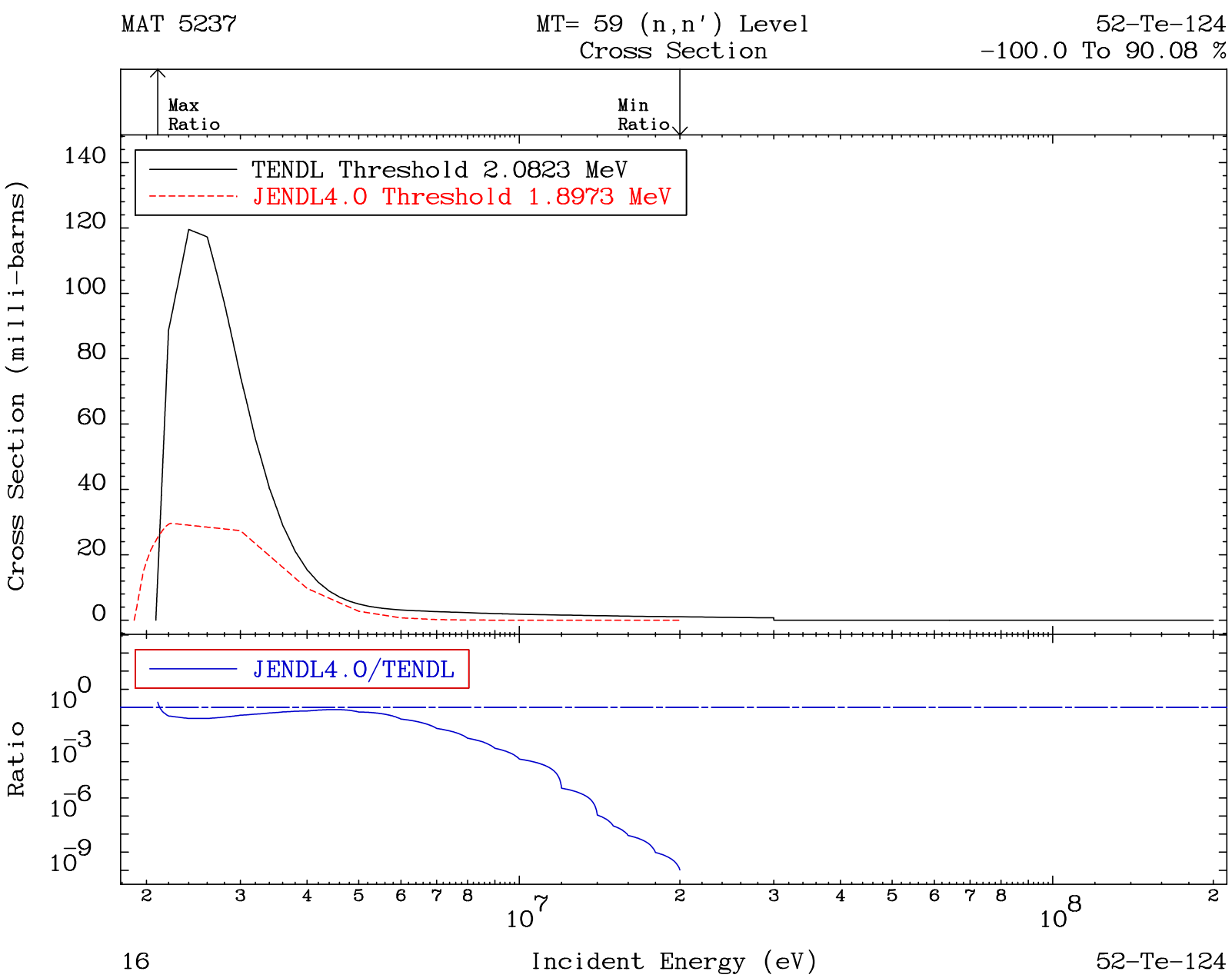

MAT 5237
MT= 54 (n,n') Level
Cross Section
52-Te-124
-100.0 To 1581. %
Max Ratio
Min Ratio
TENDL Threshold 1.6708 MeV
JENDL4.0 Threshold 1.3363 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^3
10^0
10^-3
10^-6
10^-9
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
52-Te-124

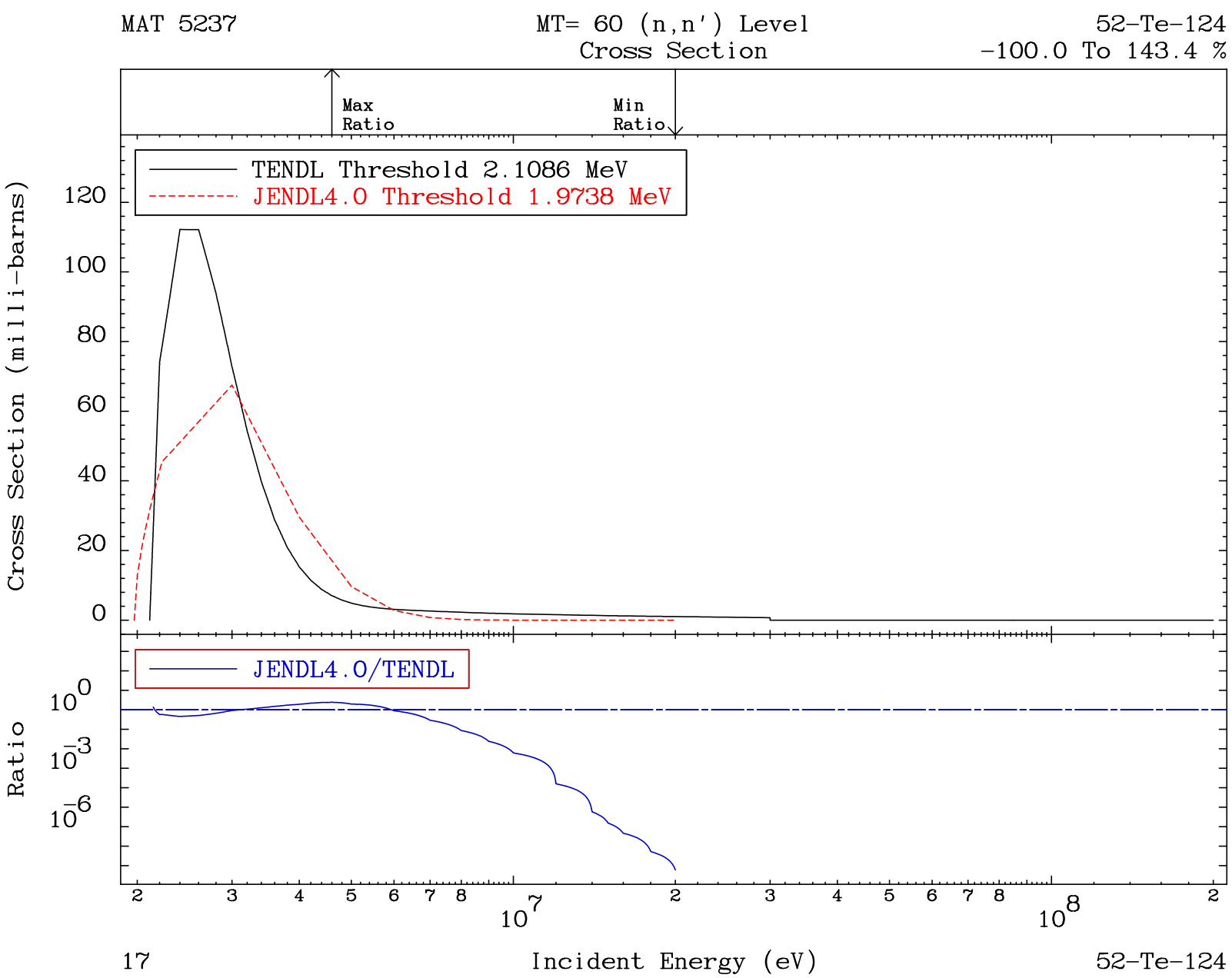

MAT 5237
MT= 55 (n,n') Level
Cross Section
52-Te-124
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.7612 MeV
JENDL4.0 Threshold 1.6702 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
12
52-Te-124

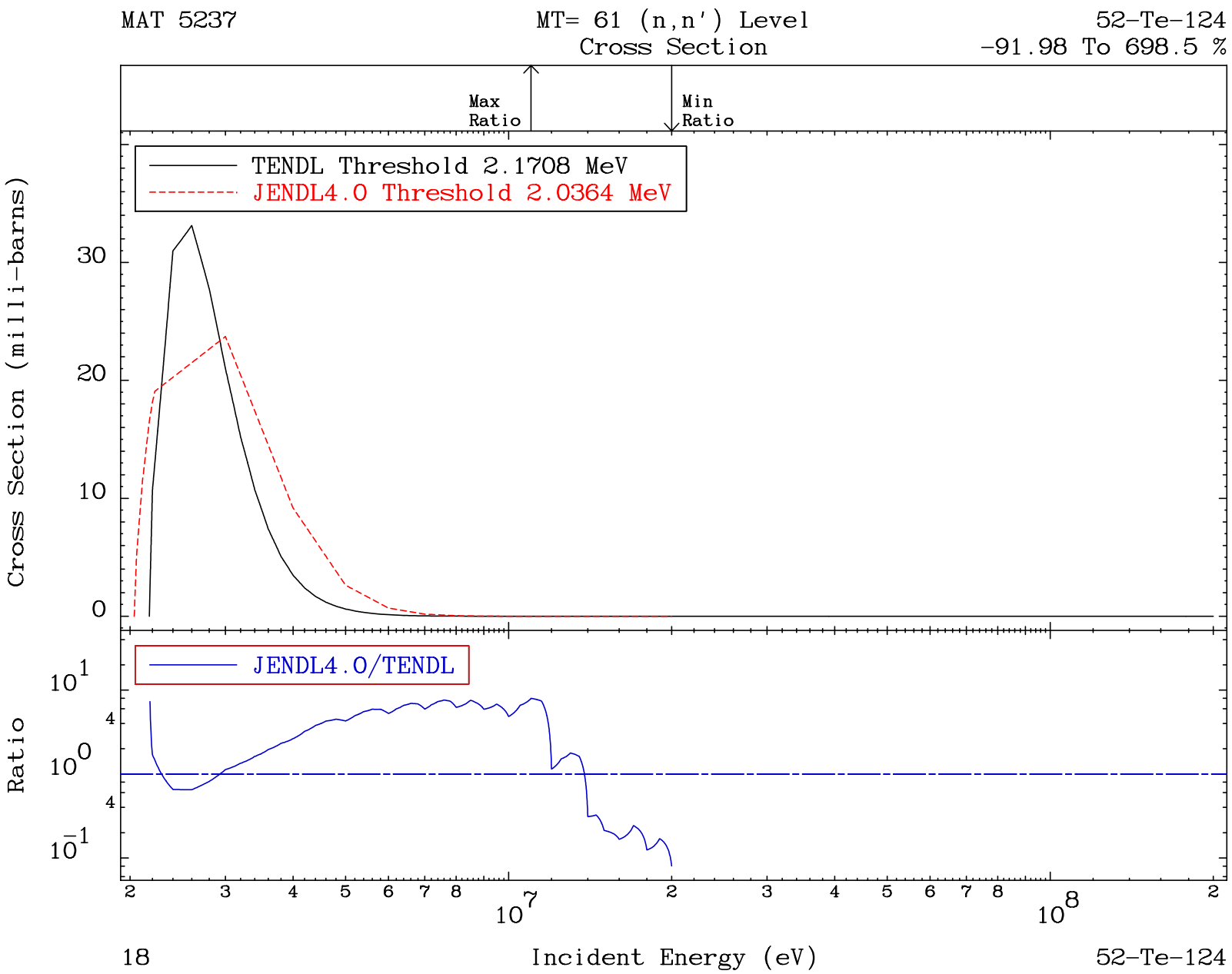

MAT 5237
MT= 56 (n,n') Level
Cross Section
52-Te-124
-79.61 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8983 MeV
JENDL4.0 Threshold 1.7506 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
52-Te-124

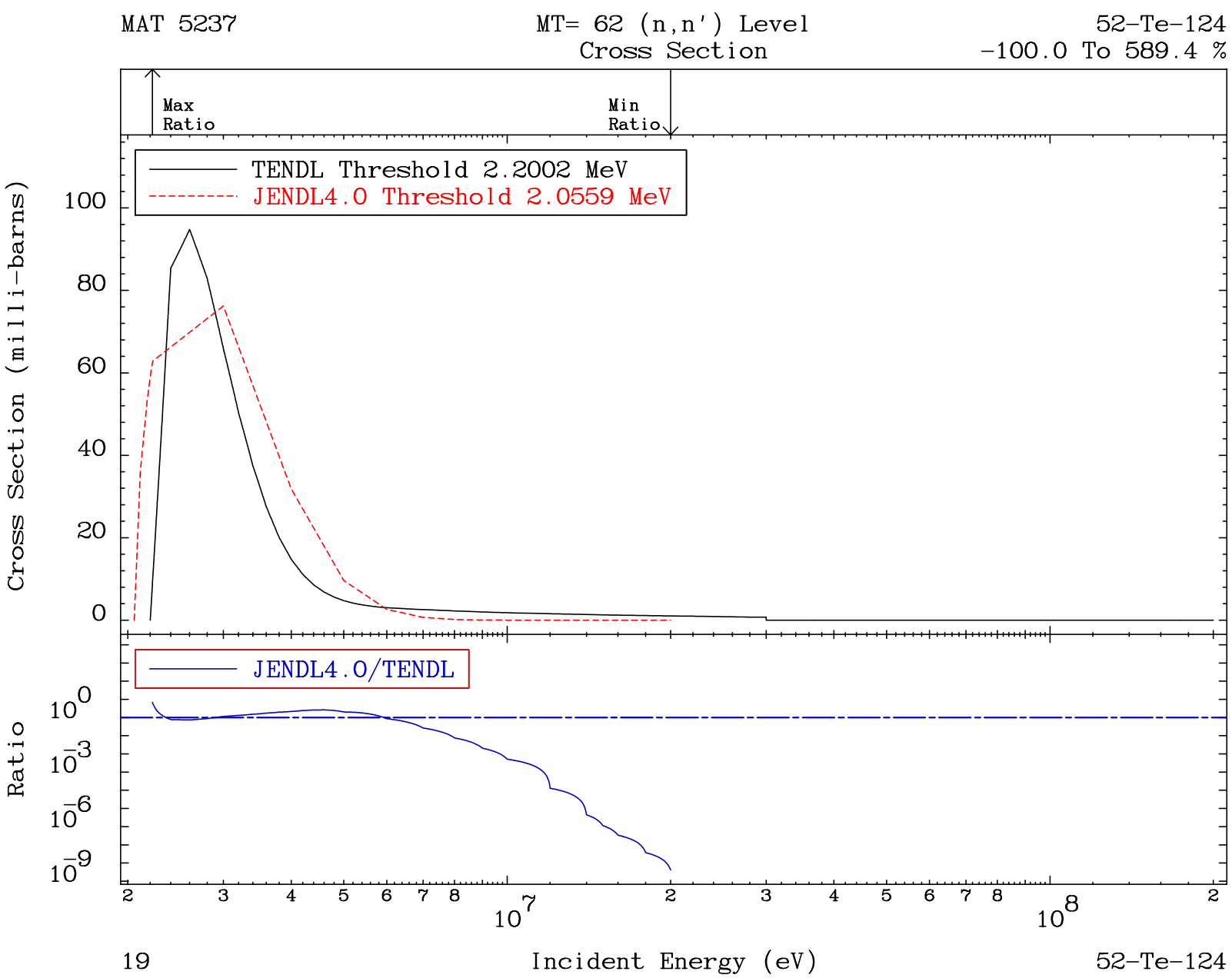

MAT 5237
MT= 57 (n,n') Level
Cross Section
52-Te-124
-100.0 To 43.05 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9738 MeV
JENDL4.0 Threshold 1.7604 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
14
Incident Energy (eV)
52-Te-124

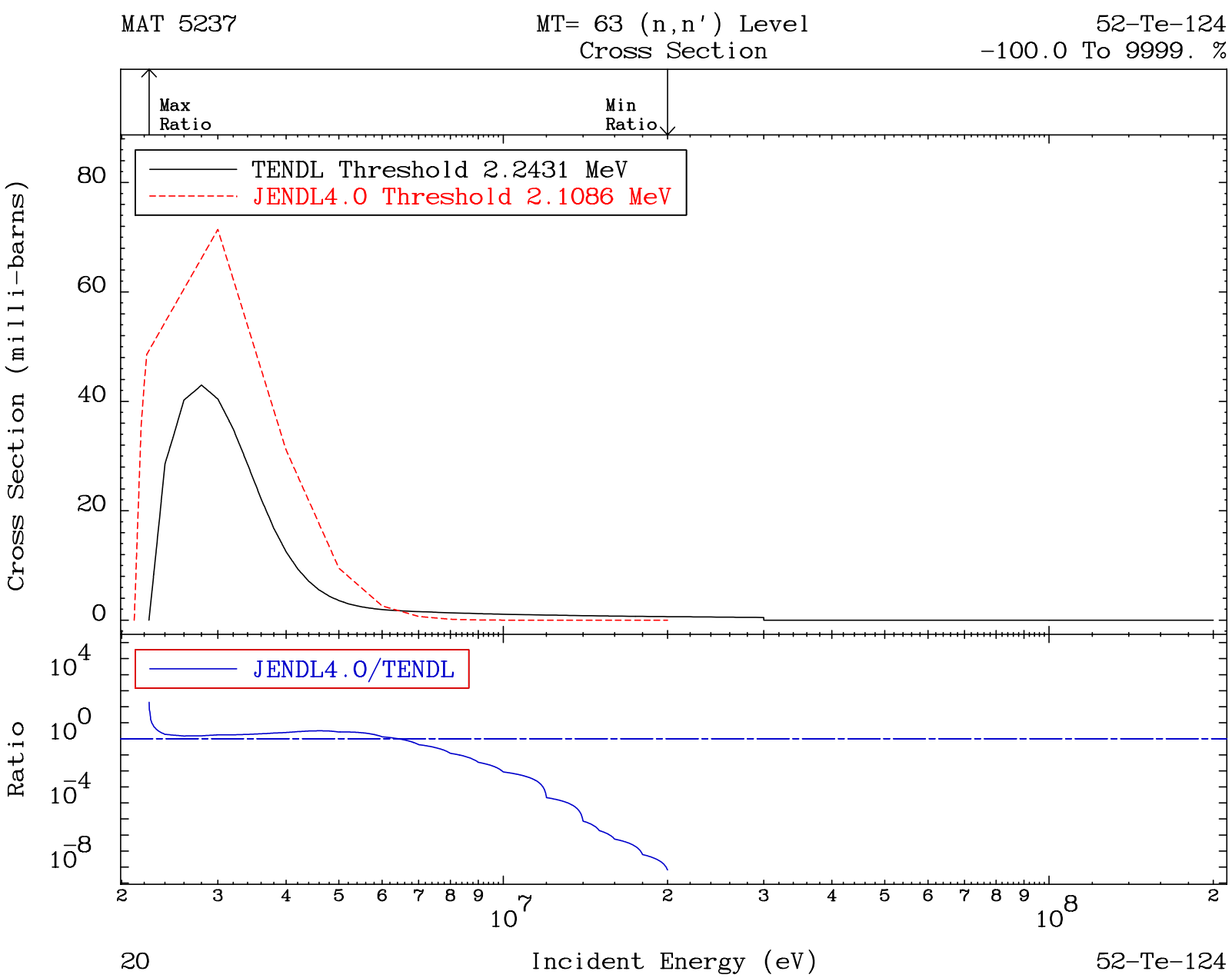

MAT 5237
MT= 58 (n,n') Level
Cross Section
52-Te-124
-94.16 To 829.4 %
Max Ratio
Min Ratio
TENDL Threshold 2.0559 MeV
JENDL4.0 Threshold 1.7616 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^-1
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
52-Te-124

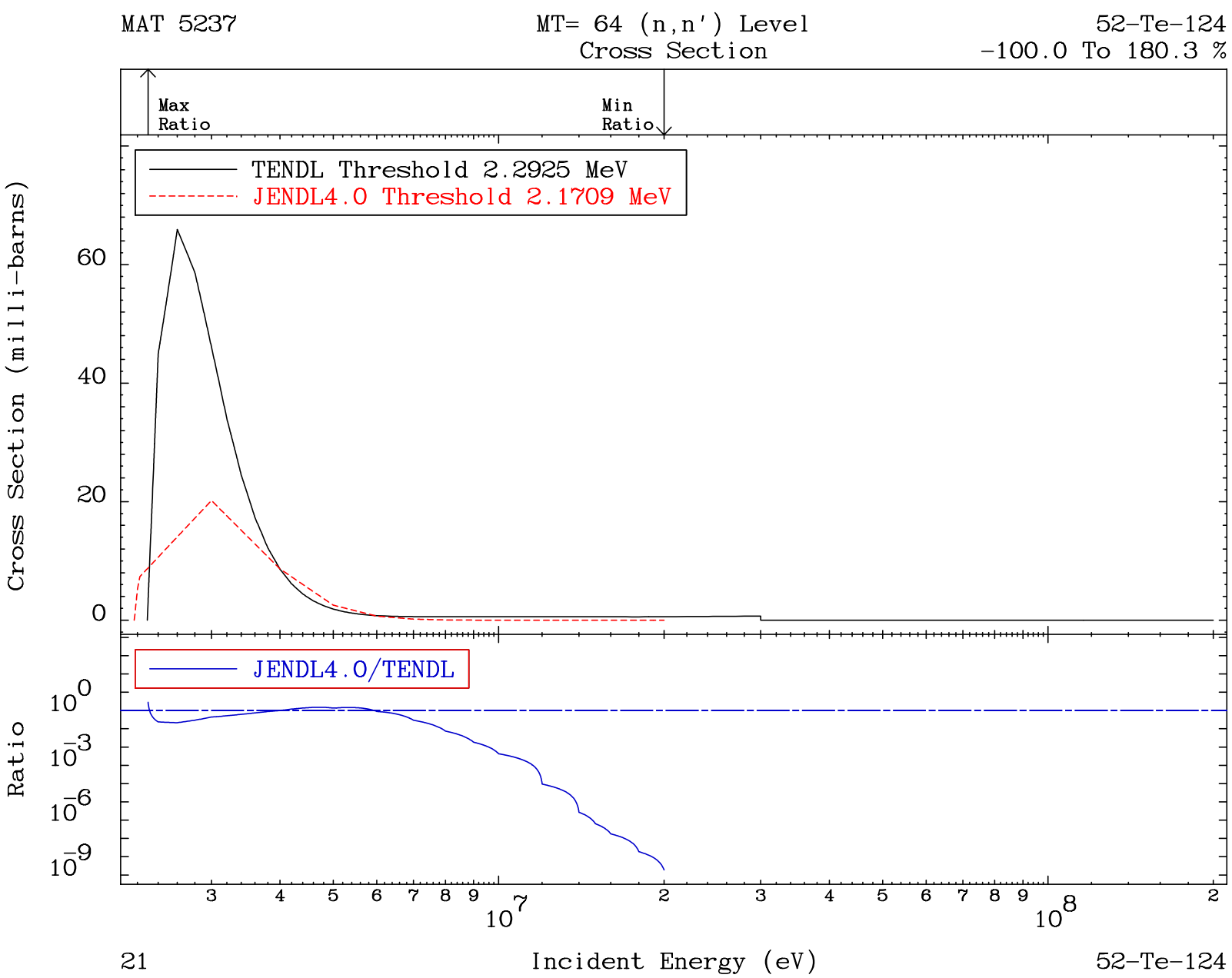

MAT 5237
MT= 59 (n,n') Level
Cross Section
52-Te-124
-100.0 To 90.08 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.0823 MeV
JENDL4.0 Threshold 1.8973 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
52-Te-124

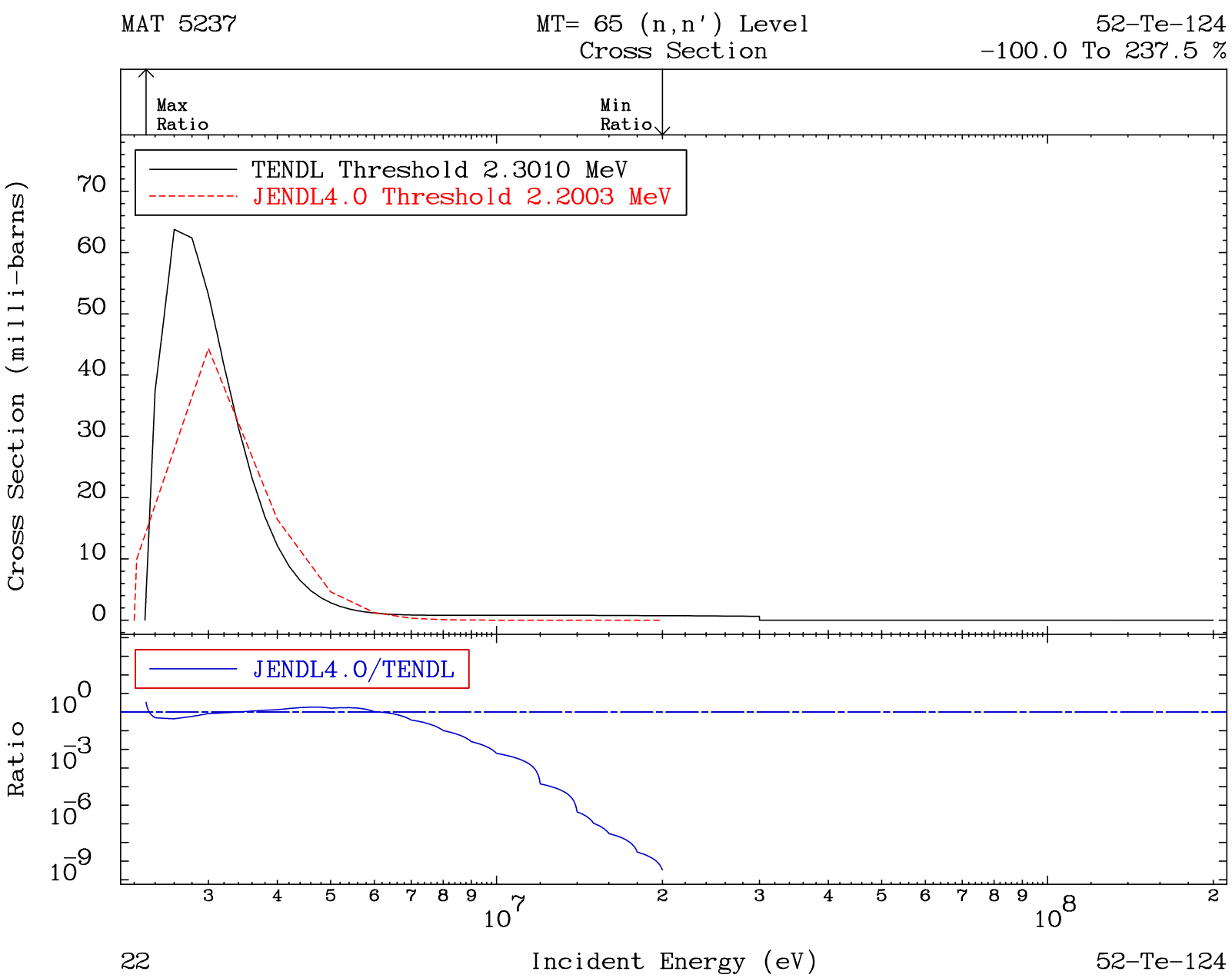

MAT 5237
MT= 60 (n,n') Level
Cross Section
52-Te-124
-100.0 To 143.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.1086 MeV
JENDL4.0 Threshold 1.9738 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
52-Te-124

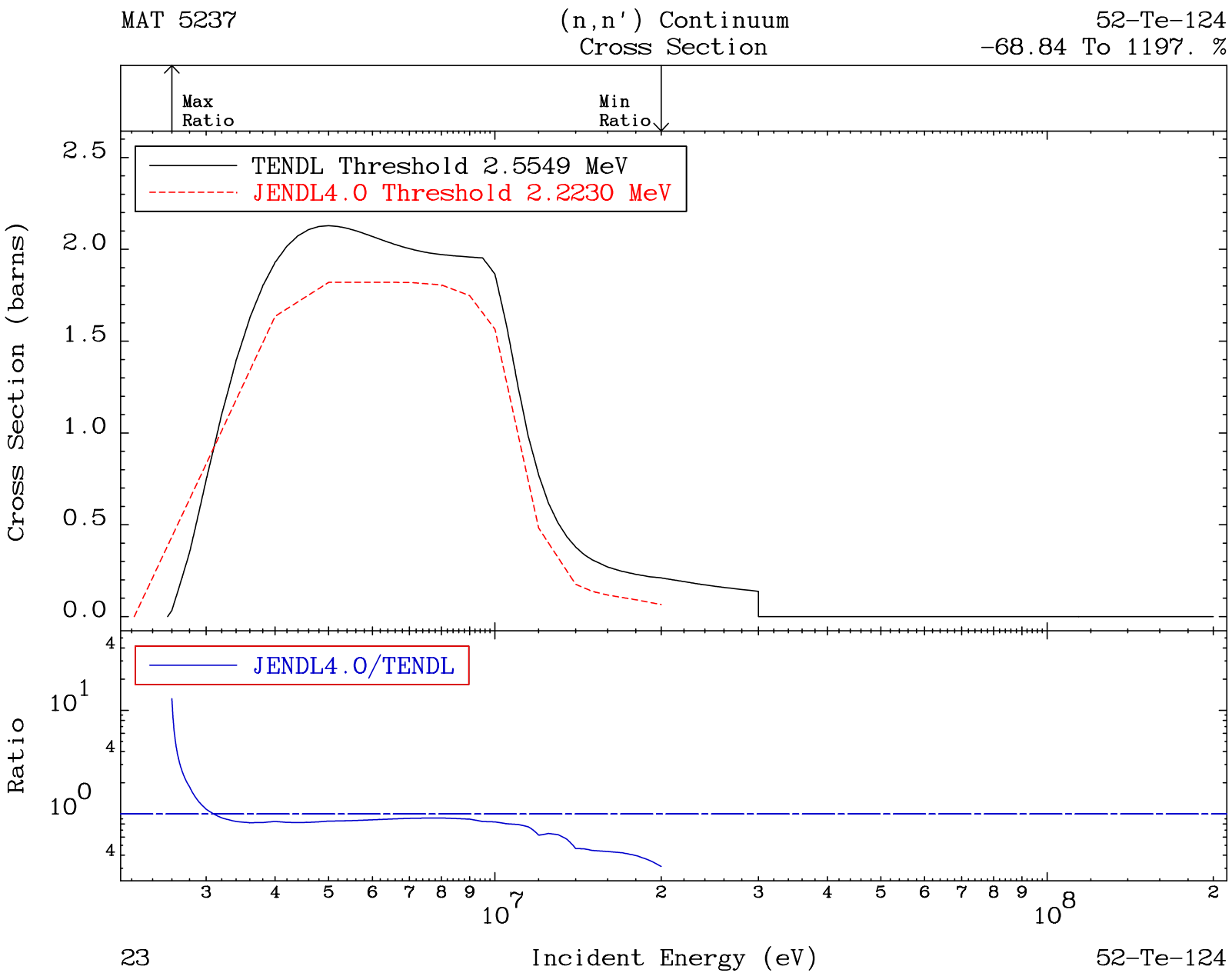

MAT 5237
MT= 61 (n,n') Level
Cross Section
52-Te-124
-91.98 To 698.5 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.1708 MeV
JENDL4.0 Threshold 2.0364 MeV
Cross Section (milli-barns)
30
20
10
0
JENDL4.0/TENDL
Ratio
10^1
10^0
10^-1
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
52-Te-124

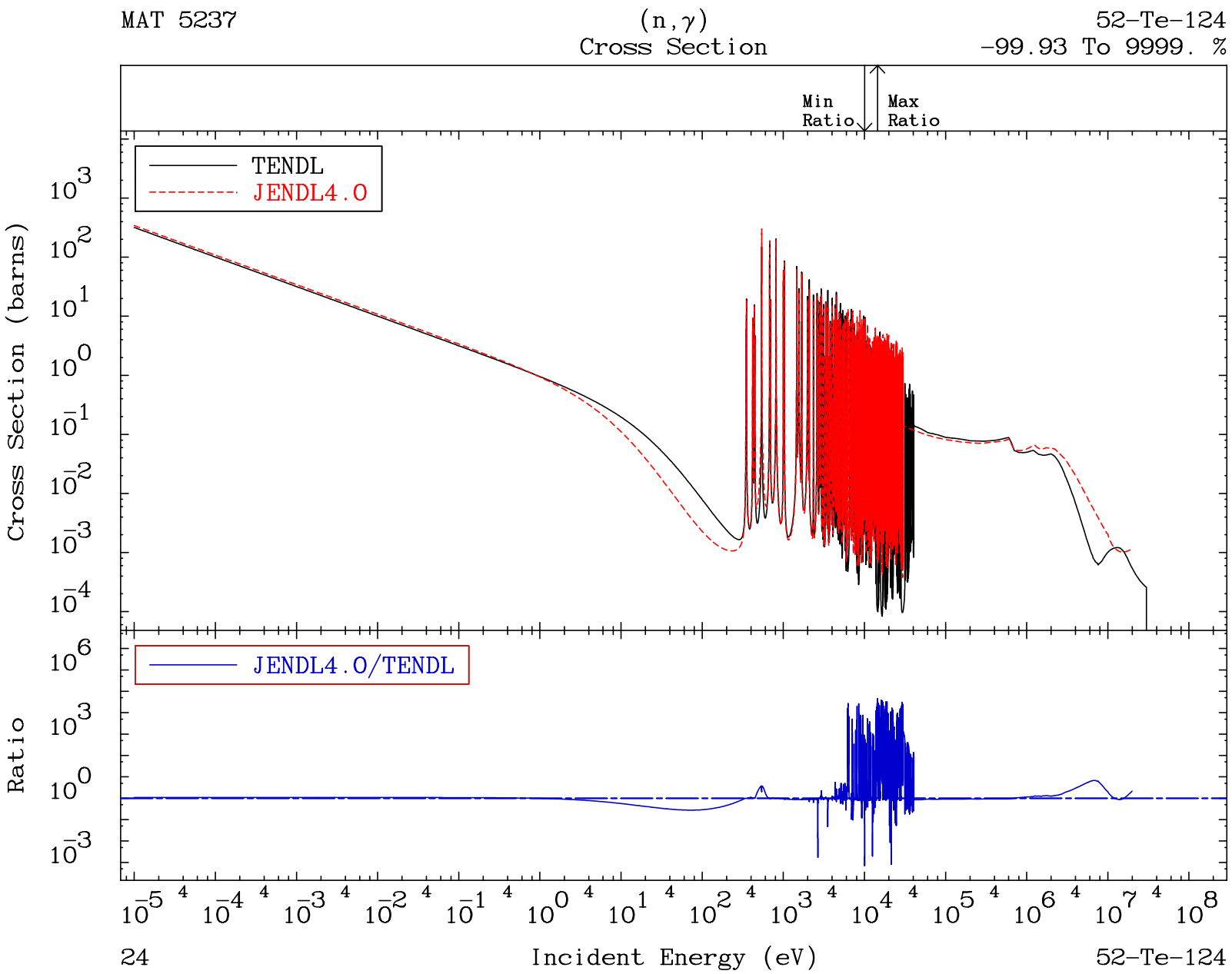

MAT 5237
MT= 62 (n,n') Level
Cross Section
52-Te-124
-100.0 To 589.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.2002 MeV
JENDL4.0 Threshold 2.0559 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
52-Te-124

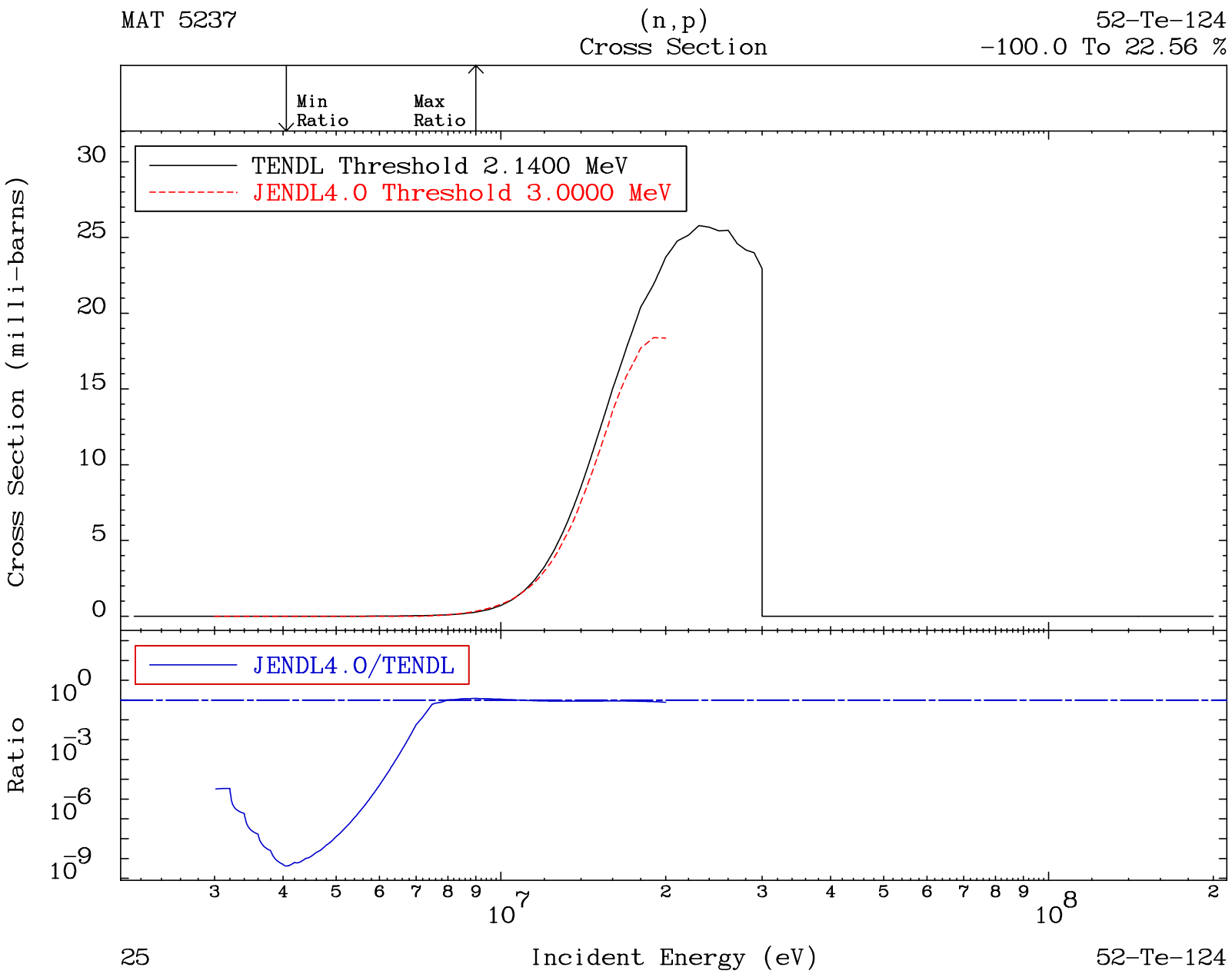

MAT 5237
MT= 63 (n,n') Level
Cross Section
52-Te-124
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 2.2431 MeV
JENDL4.0 Threshold 2.1086 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^4
10^0
10^-4
10^-8
2 3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
52-Te-124

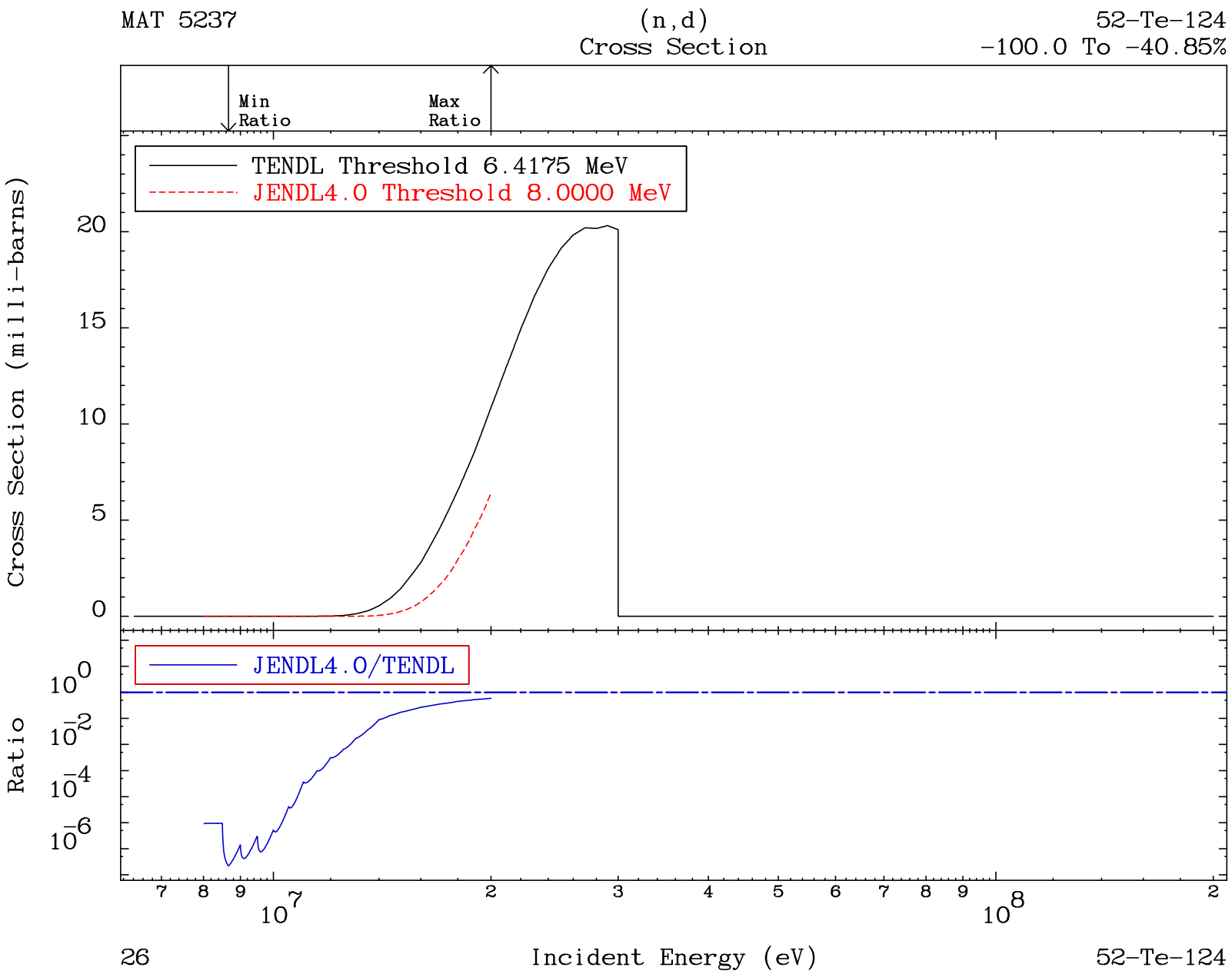

MAT 5237
MT= 64 (n,n') Level
Cross Section
52-Te-124
-100.0 To 180.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.2925 MeV
JENDL4.0 Threshold 2.1709 MeV
Cross Section (milli-barns)
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
52-Te-124

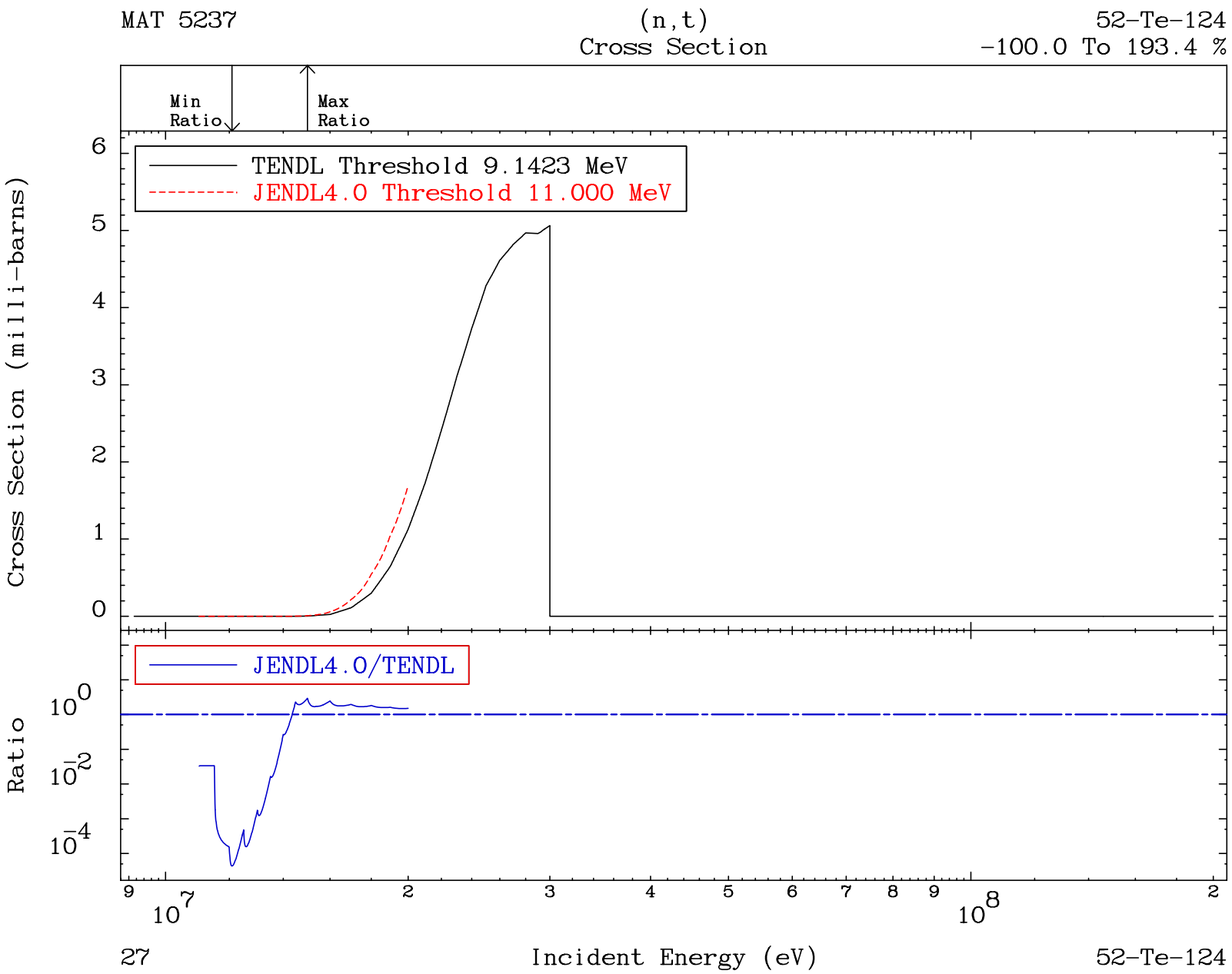

MAT 5237
MT= 65 (n,n') Level
Cross Section
52-Te-124
-100.0 To 237.5 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.3010 MeV
JENDL4.0 Threshold 2.2003 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
22
Incident Energy (eV)
52-Te-124

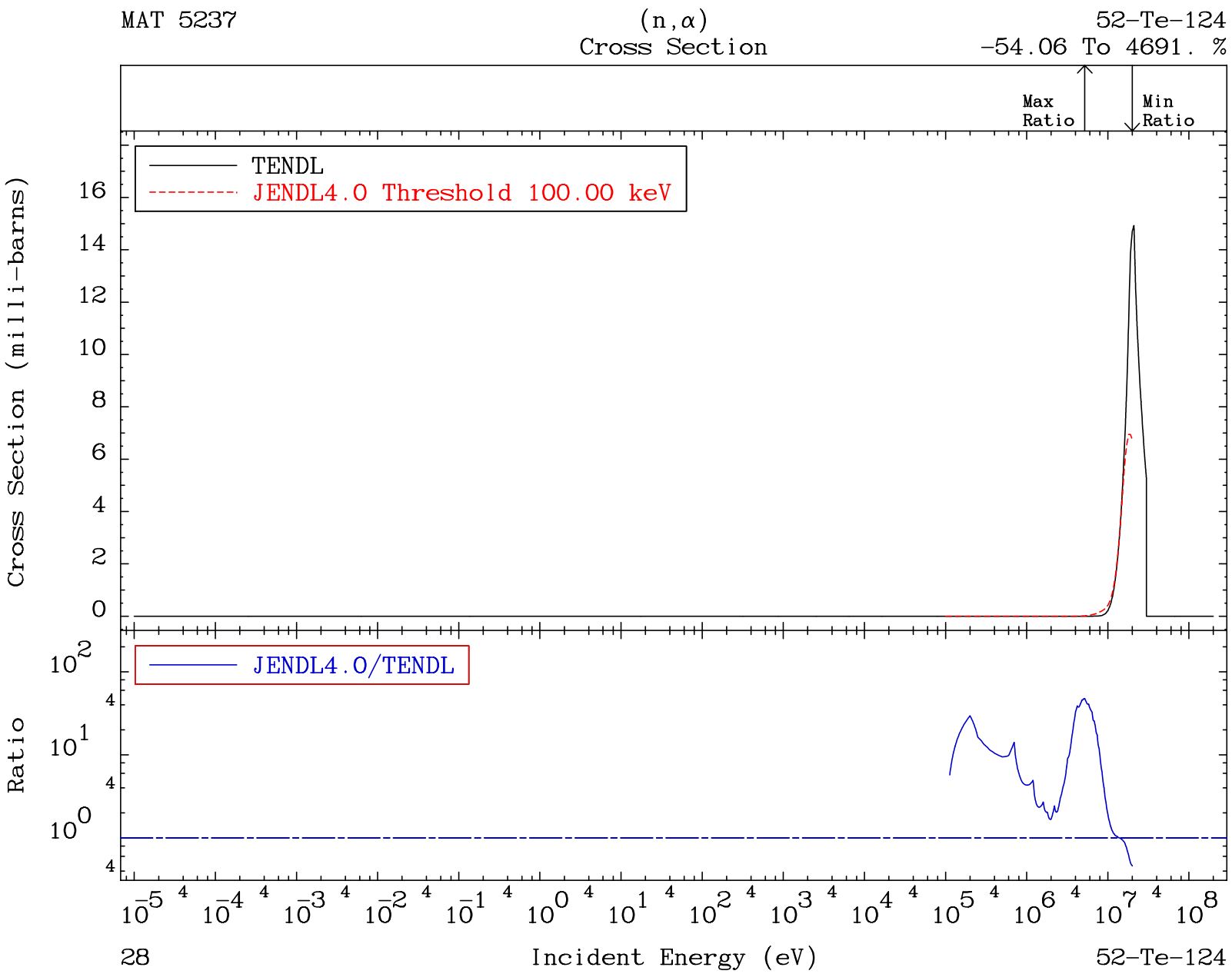

MAT 5237
(n,n') Continuum
Cross Section
52-Te-124
-68.84 To 1197. %
Max Ratio
Min Ratio
TENDL Threshold 2.5549 MeV
JENDL4.0 Threshold 2.2230 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
10^1
10^0
4
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
23
Incident Energy (eV)
52-Te-124

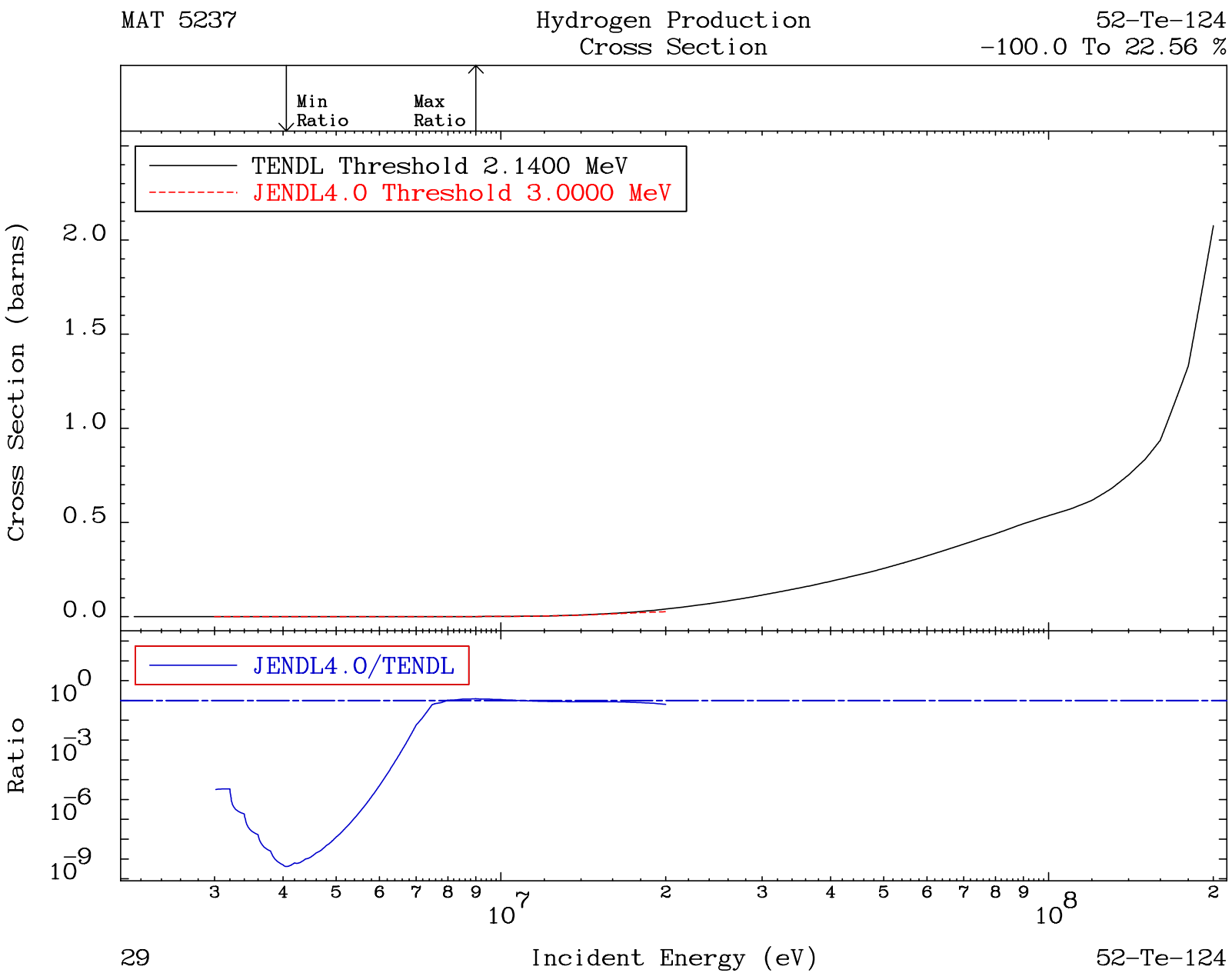

MAT 5237
(n,γ)
Cross Section
52-Te-124
-99.93 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
24
52-Te-124

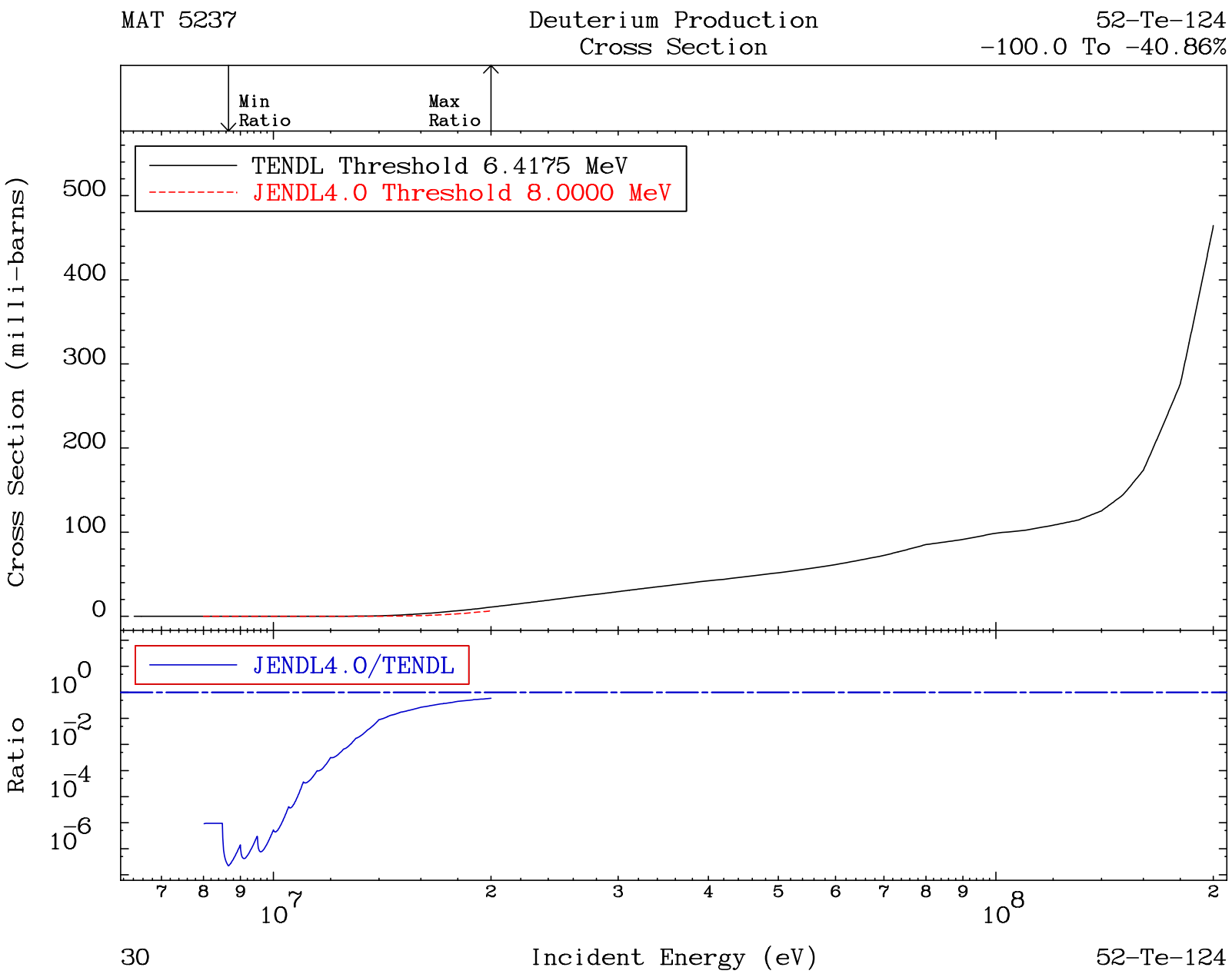

MAT 5237
(n,p)
Cross Section
52-Te-124
-100.0 To 22.56 %
Min Ratio
Max Ratio
TENDL Threshold 2.1400 MeV
JENDL4.0 Threshold 3.0000 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
52-Te-124

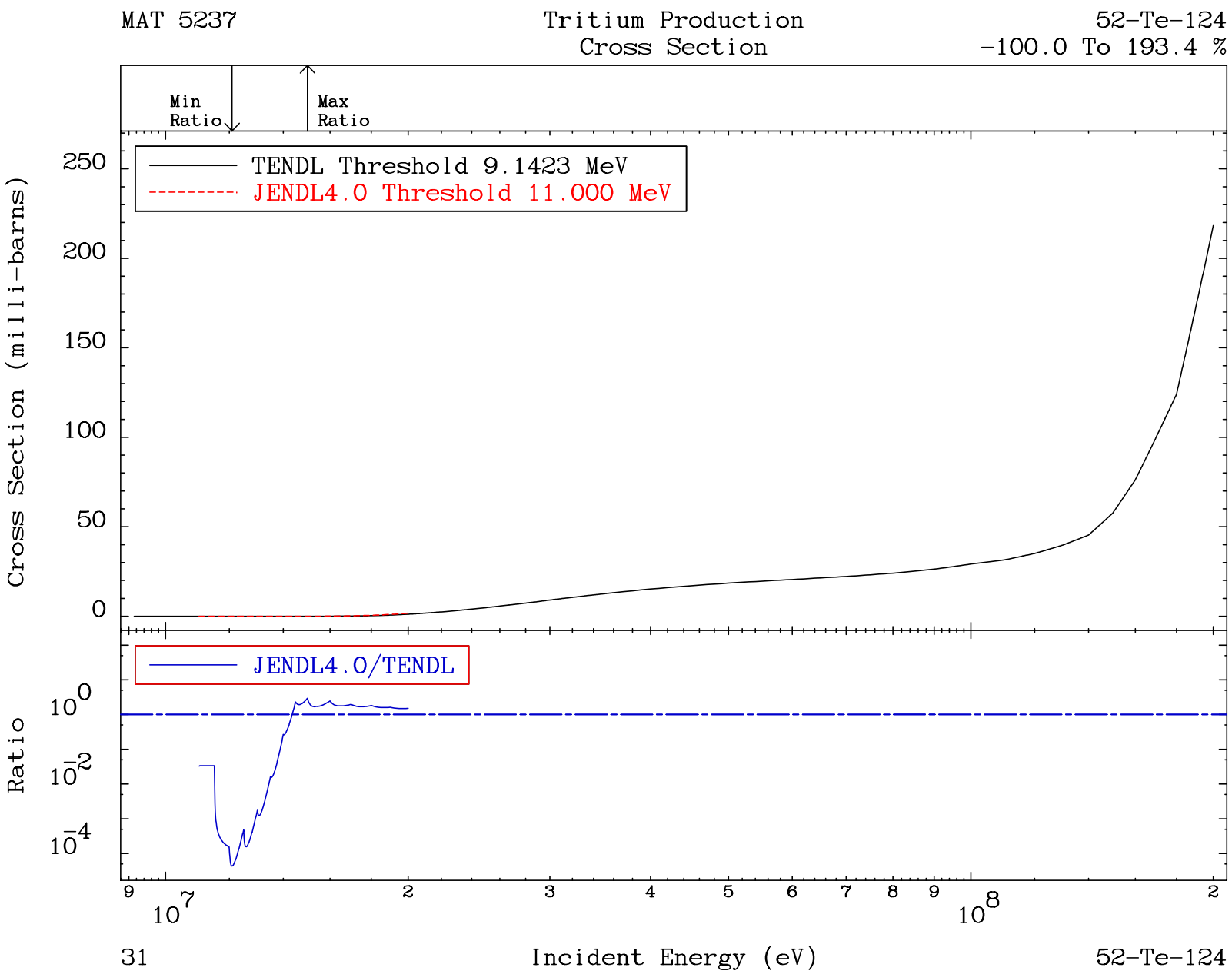

MAT 5237
(n,d)
Cross Section
52-Te-124
-100.0 To -40.85%
Min Ratio
Max Ratio
TENDL Threshold 6.4175 MeV
JENDL4.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
0
5
10
15
20
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
52-Te-124

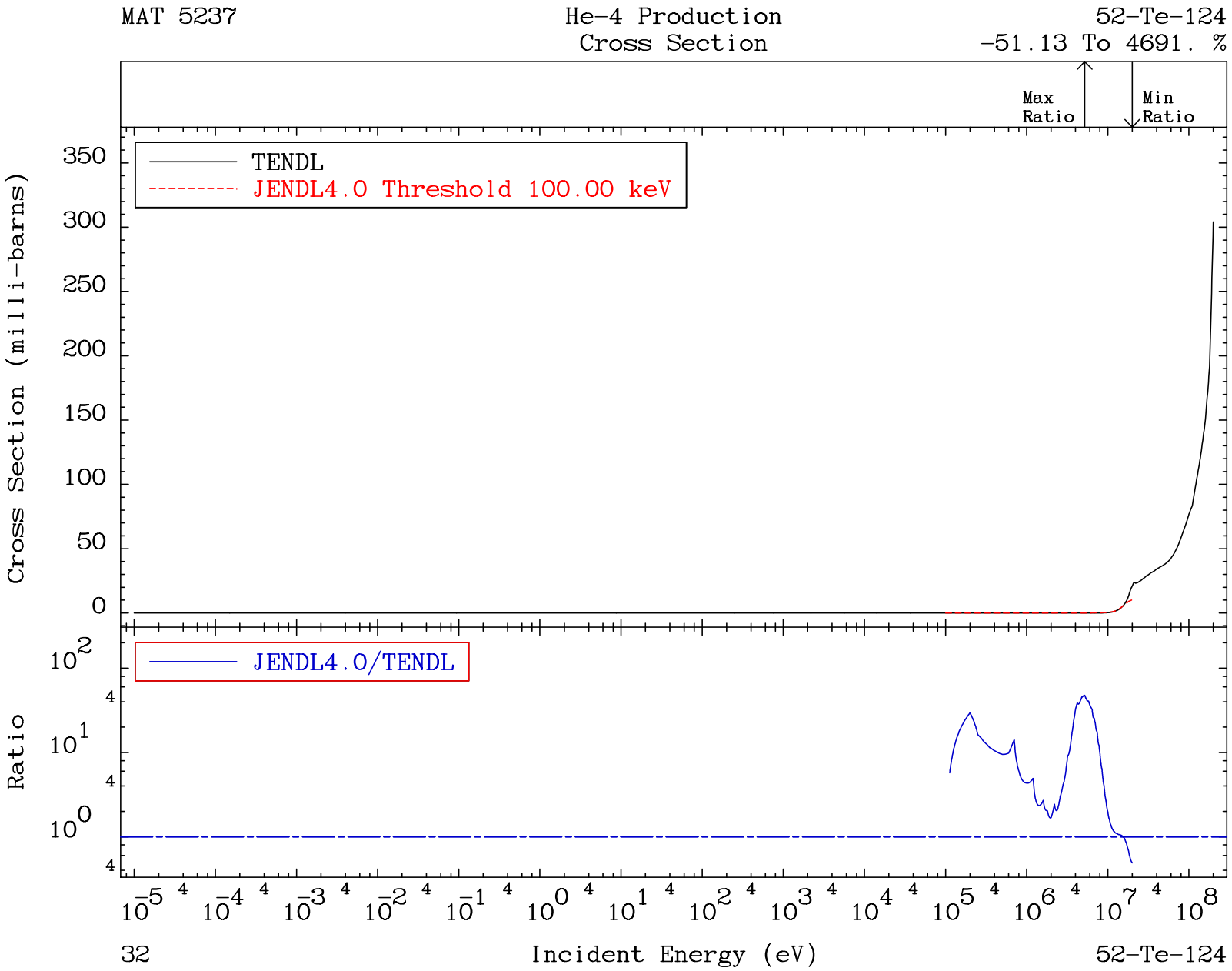

MAT 5237
(n,t)
Cross Section
52-Te-124
-100.0 To 193.4 %
Min Ratio
Max Ratio
TENDL Threshold 9.1423 MeV
JENDL4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
27
52-Te-124

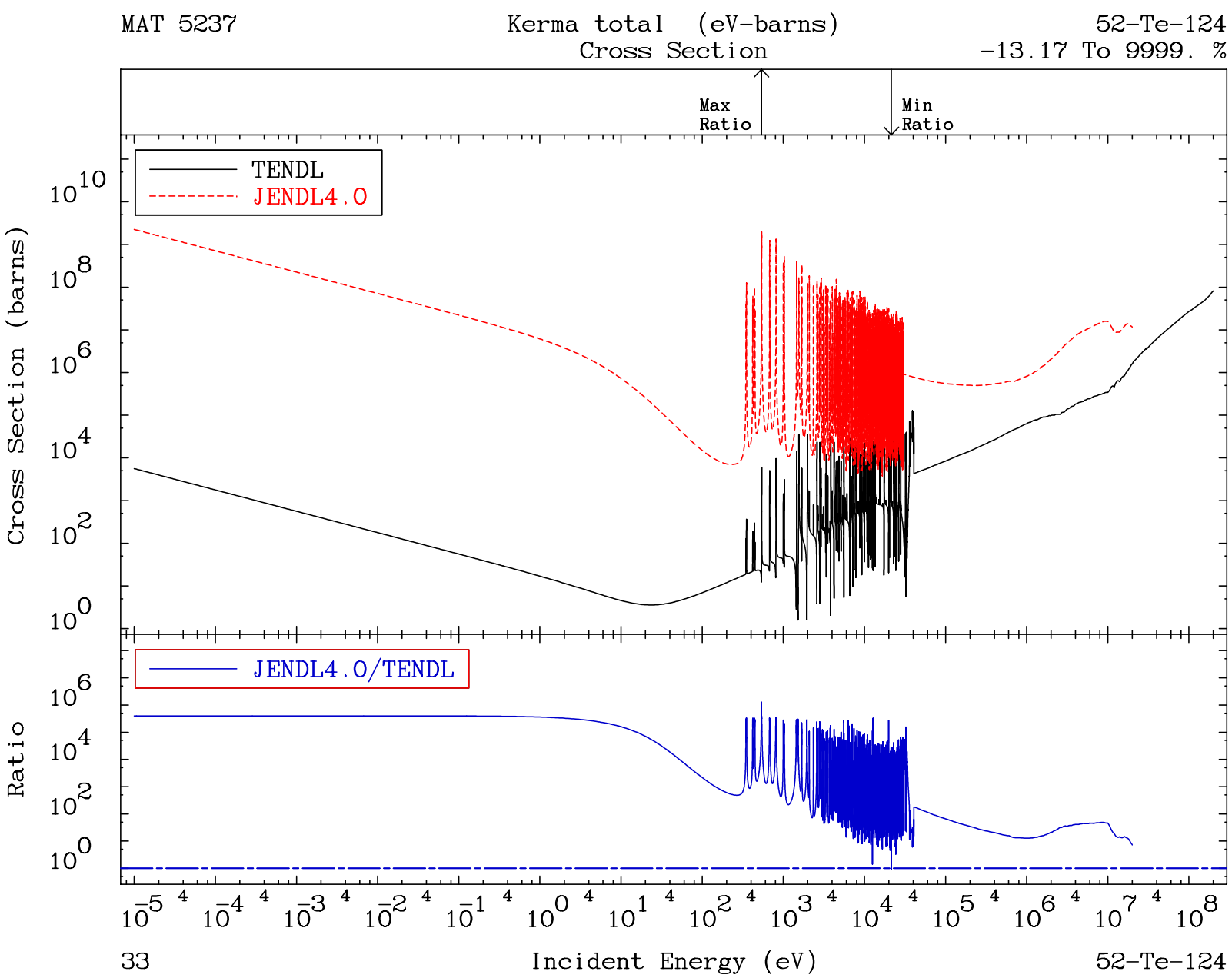

MAT 5237
(n,α)
Cross Section
52-Te-124
-54.06 To 4691. %
Max Ratio
Min Ratio
TENDL
JENDL4.0 Threshold 100.00 keV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
28
52-Te-124

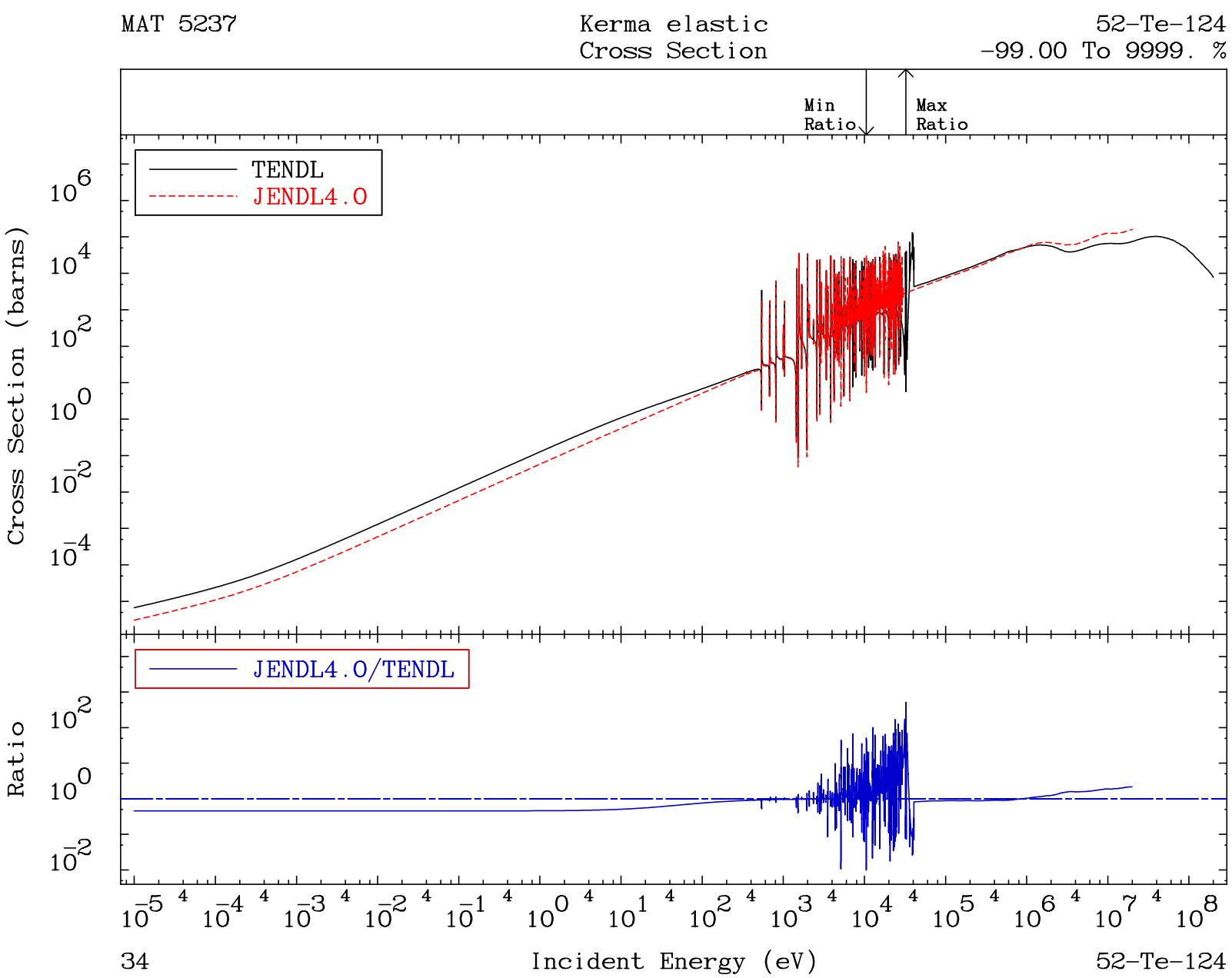

MAT 5237
Hydrogen Production
Cross Section
52-Te-124
-100.0 To 22.56 %
Min Ratio
Max Ratio
TENDL Threshold 2.1400 MeV
JENDL4.0 Threshold 3.0000 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^-9
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
52-Te-124

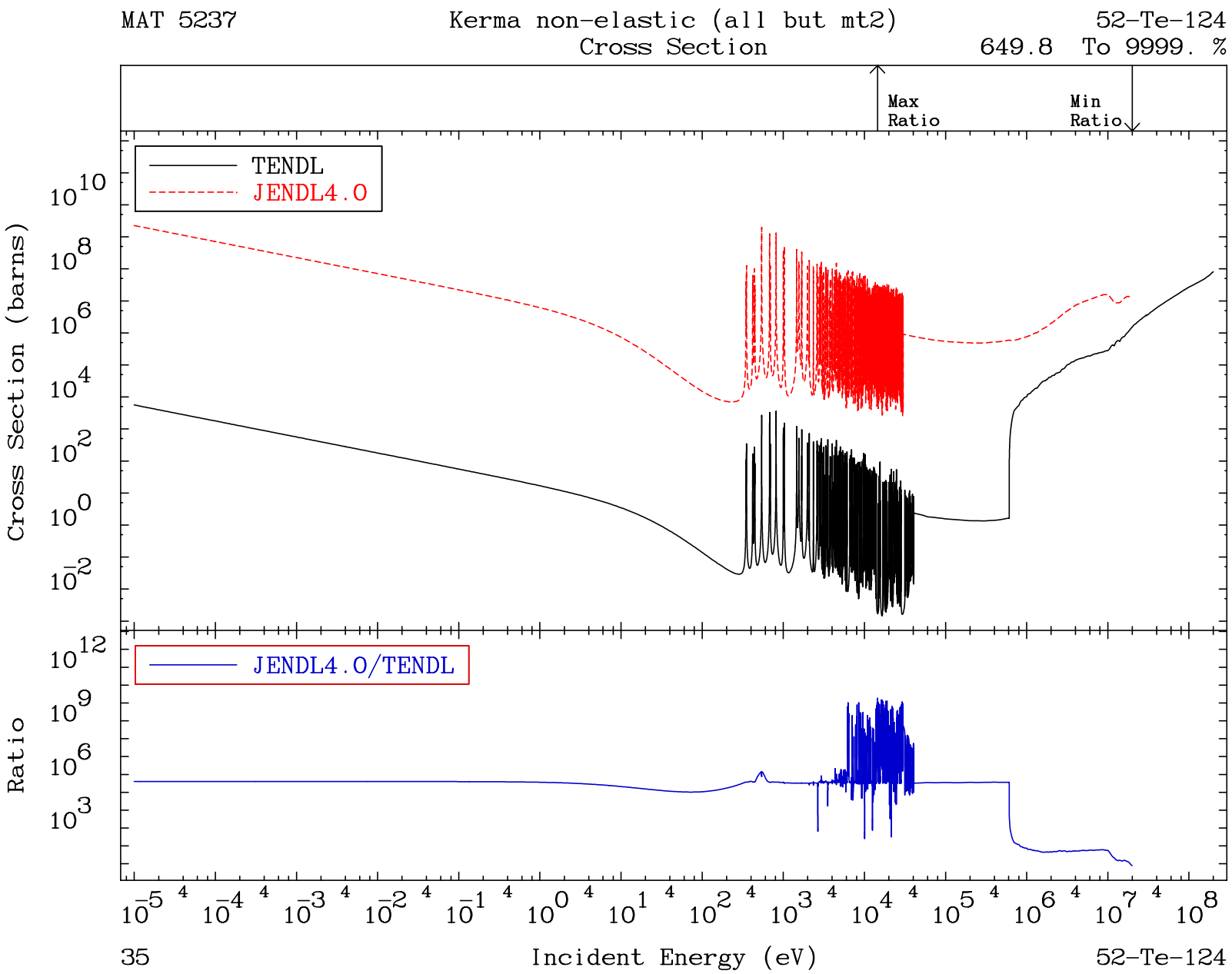

MAT 5237
Deuterium Production
Cross Section
52-Te-124
-100.0 To -40.86%
Min Ratio
Max Ratio
TENDL Threshold 6.4175 MeV
JENDL4.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
10^-6
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
52-Te-124

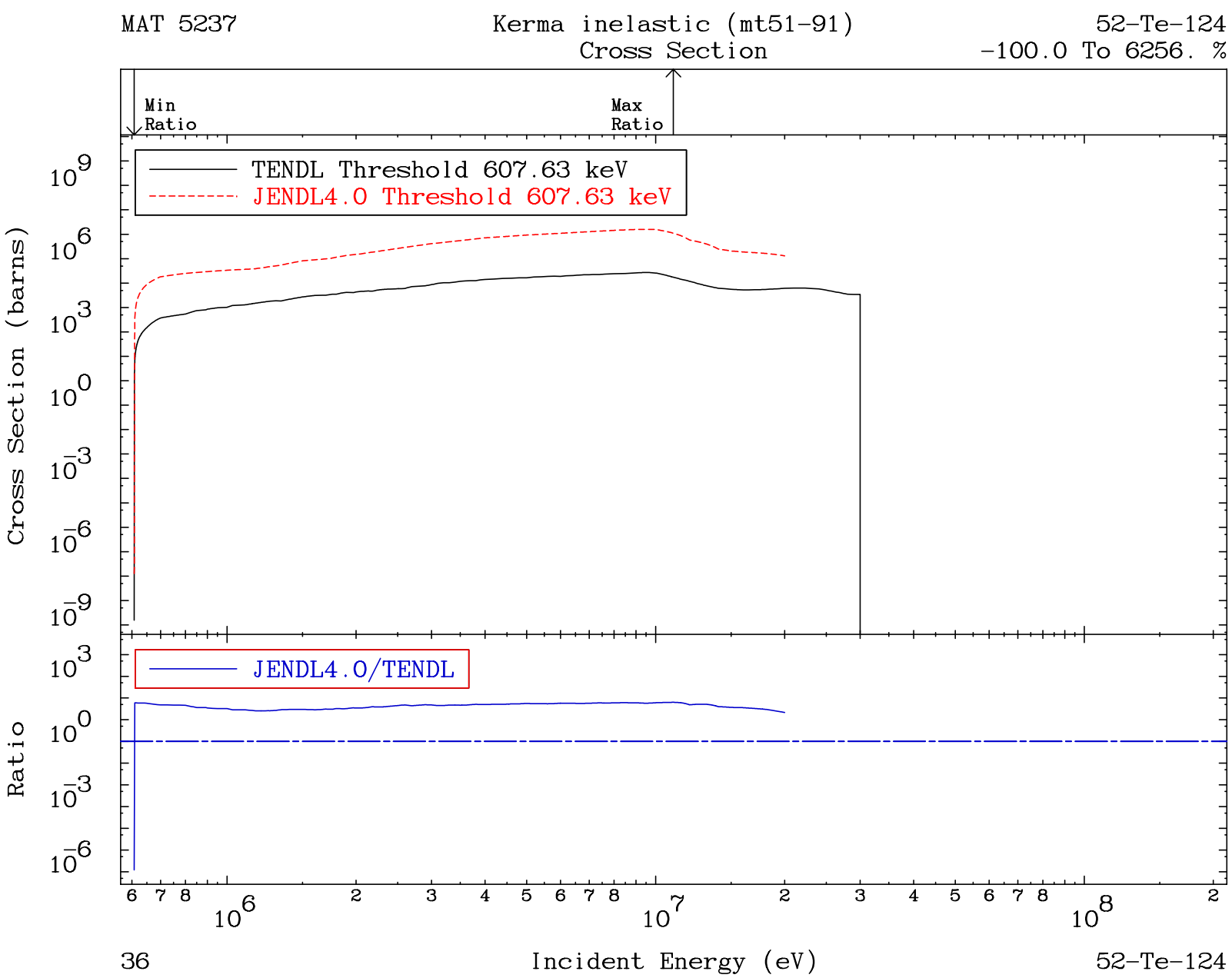

MAT 5237
Tritium Production
Cross Section
52-Te-124
-100.0 To 193.4 %
Min Ratio
Max Ratio
TENDL Threshold 9.1423 MeV
JENDL4.0 Threshold 11.000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
9
10^7
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
52-Te-124

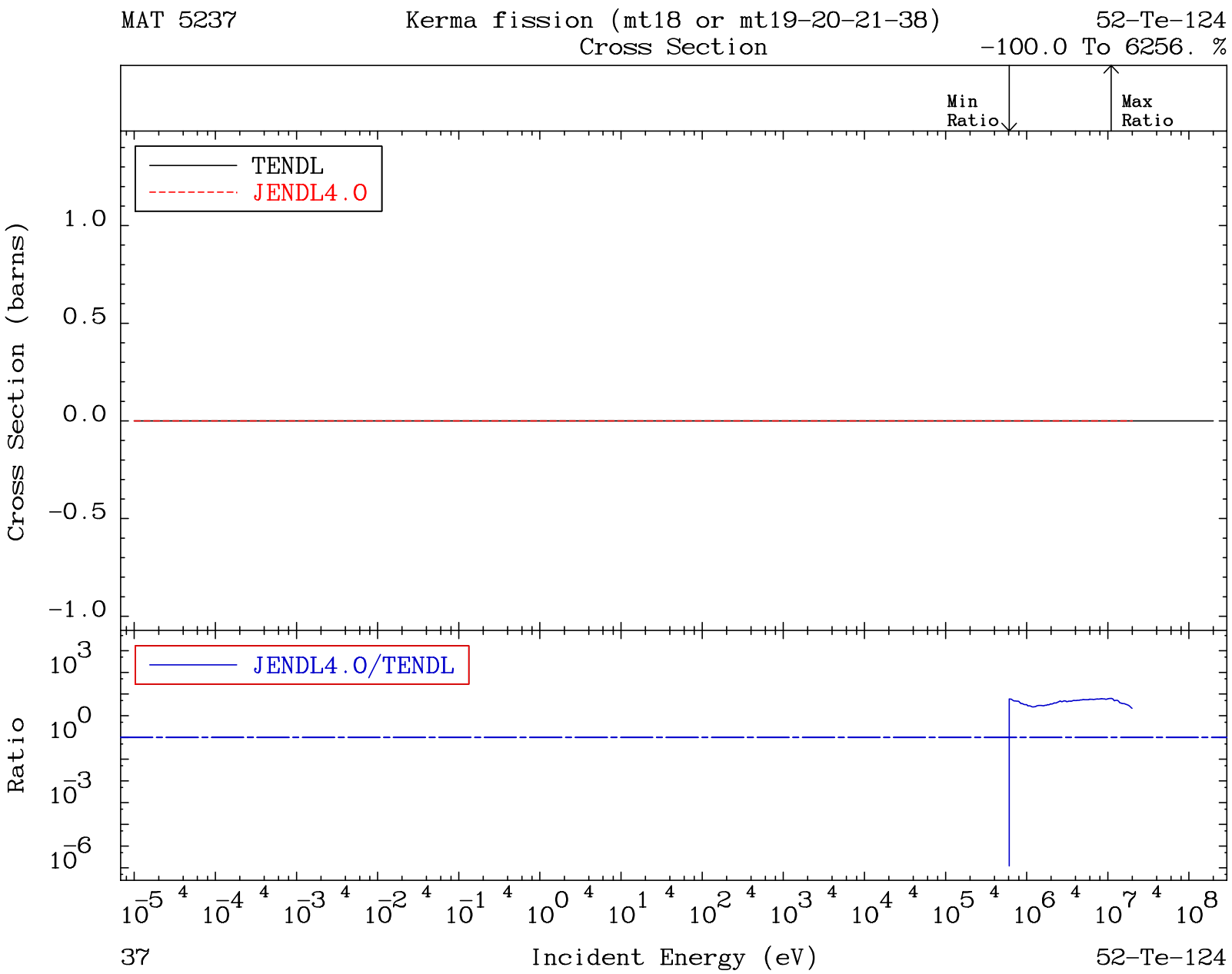

MAT 5237
He-4 Production
Cross Section
52-Te-124
-51.13 To 4691. %
Max Ratio
Min Ratio
TENDL
JENDL4.0 Threshold 100.00 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
32
Incident Energy (eV)
52-Te-124

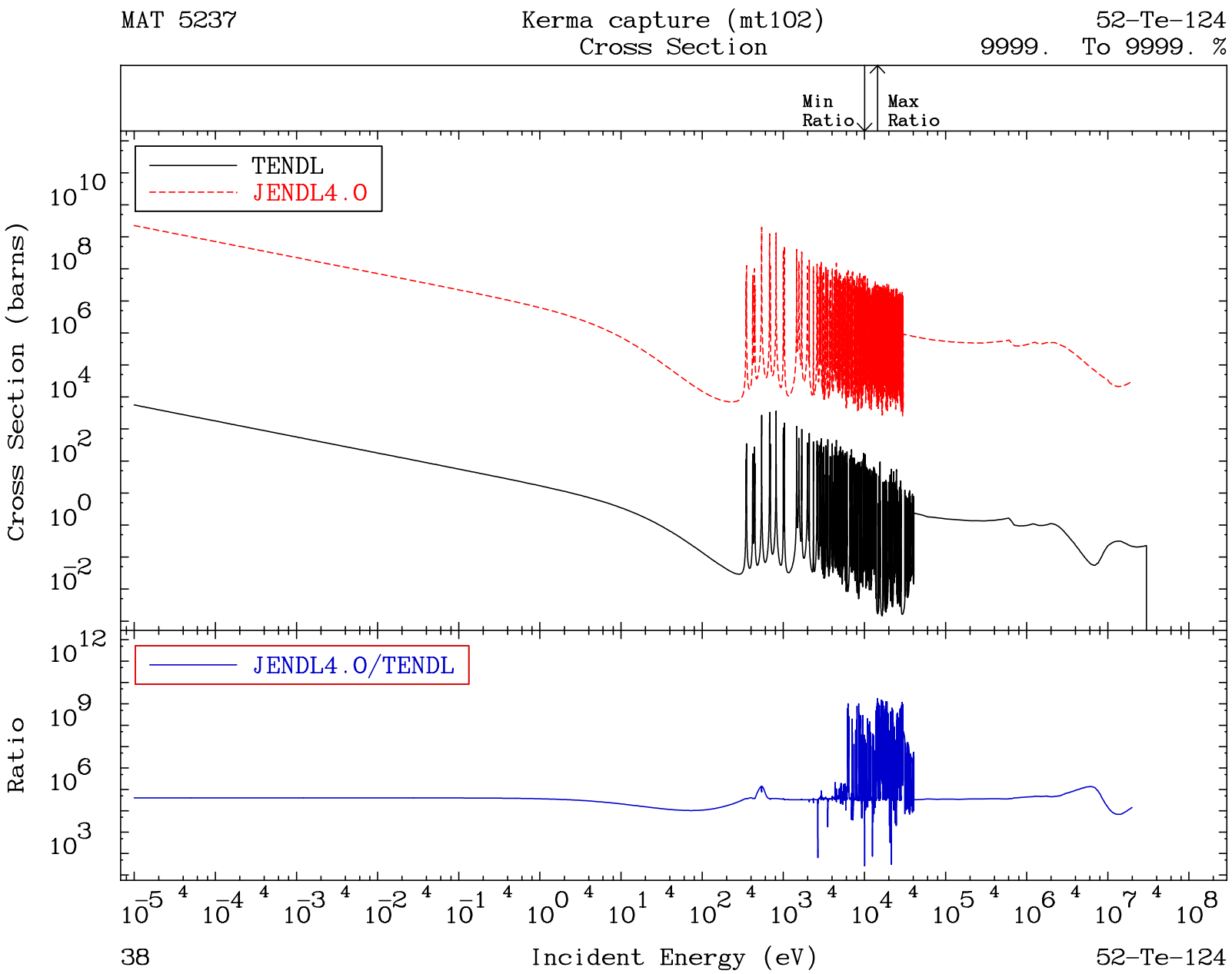

MAT 5237
Kerma total (eV-barns)
Cross Section
52-Te-124
-13.17 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
33
52-Te-124

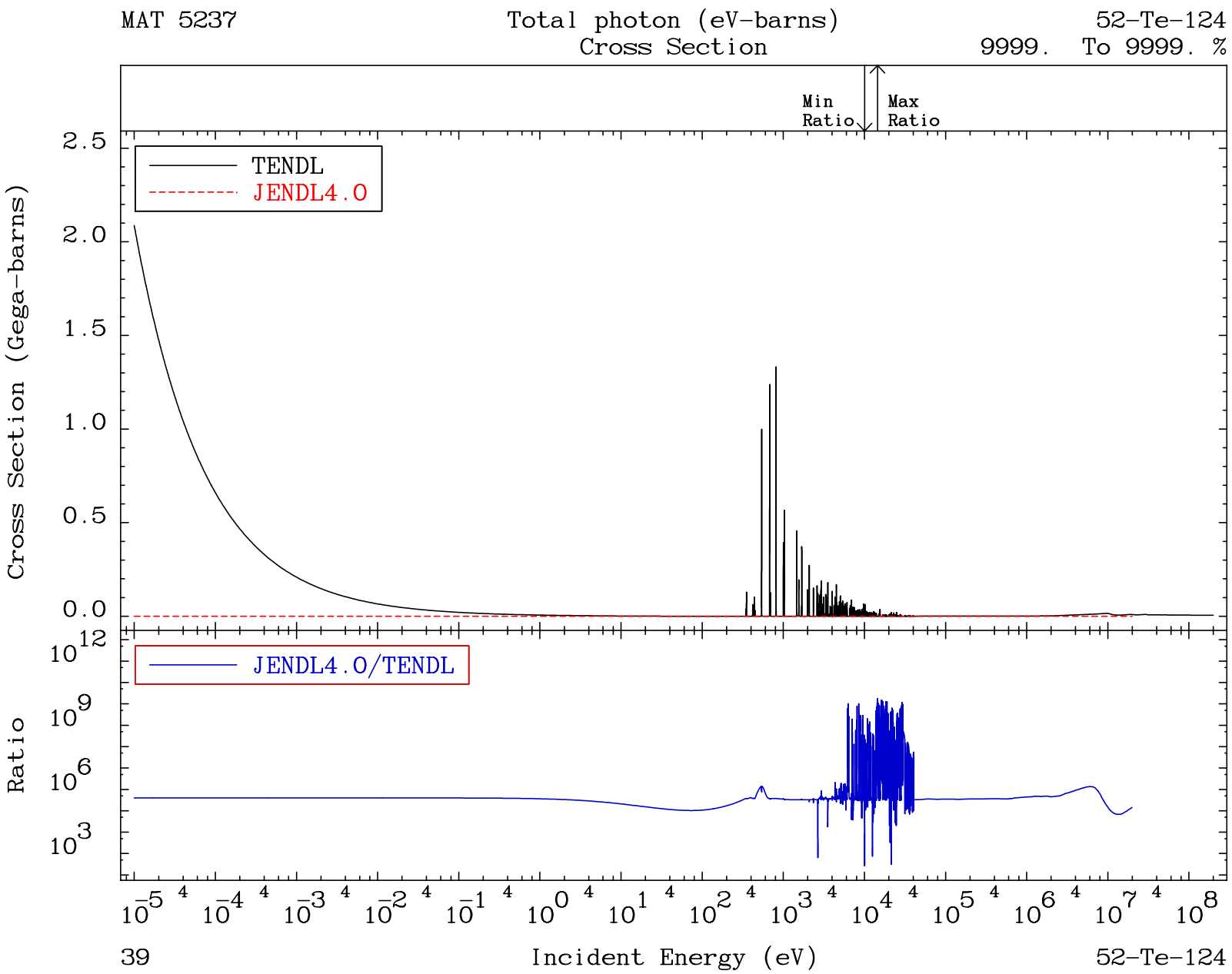

MAT 5237
Kerma elastic
Cross Section
52-Te-124
-99.00 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
34
52-Te-124

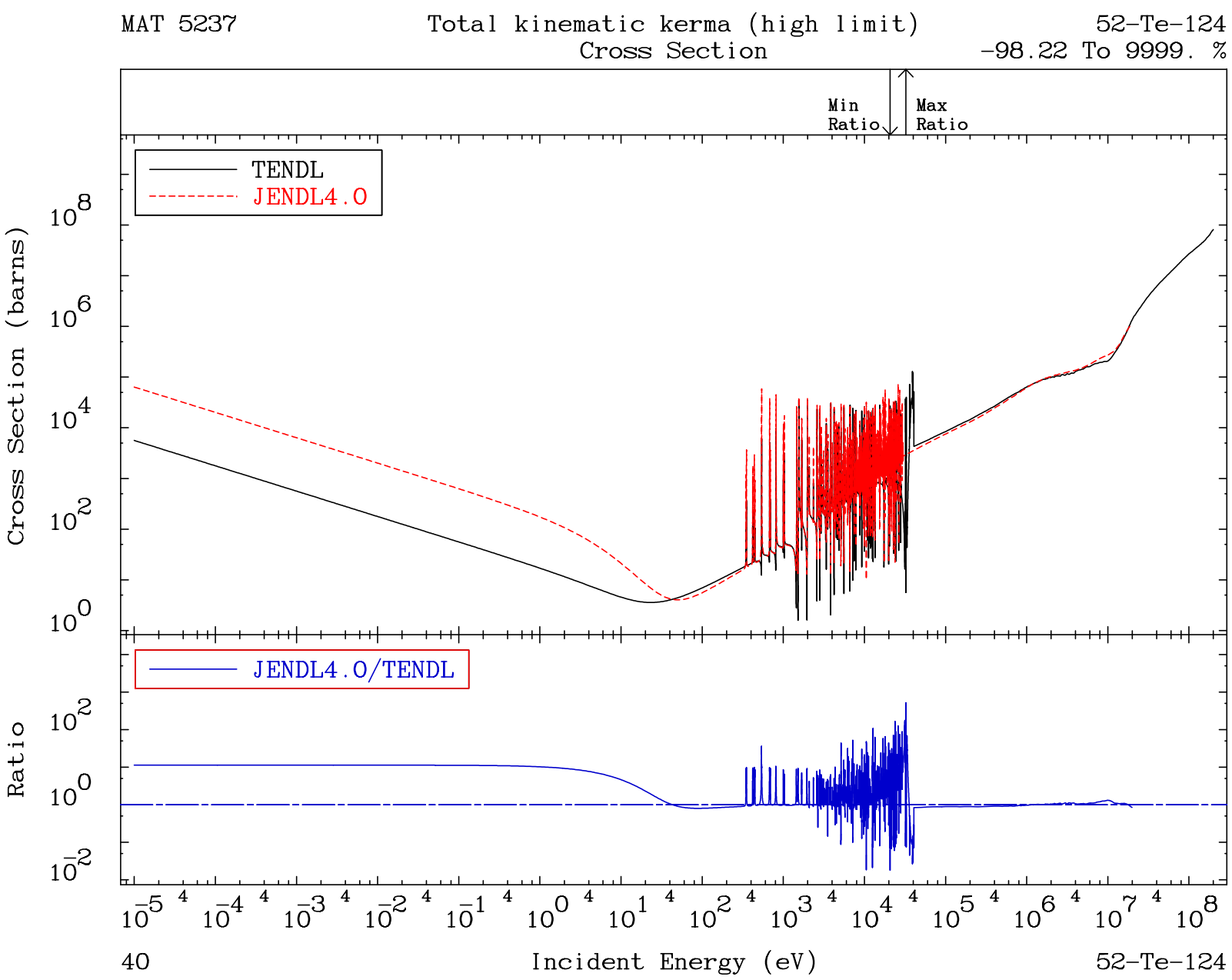

MAT 5237
Kerma non-elastic (all but mt2)
Cross Section
52-Te-124
649.8 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
35
52-Te-124

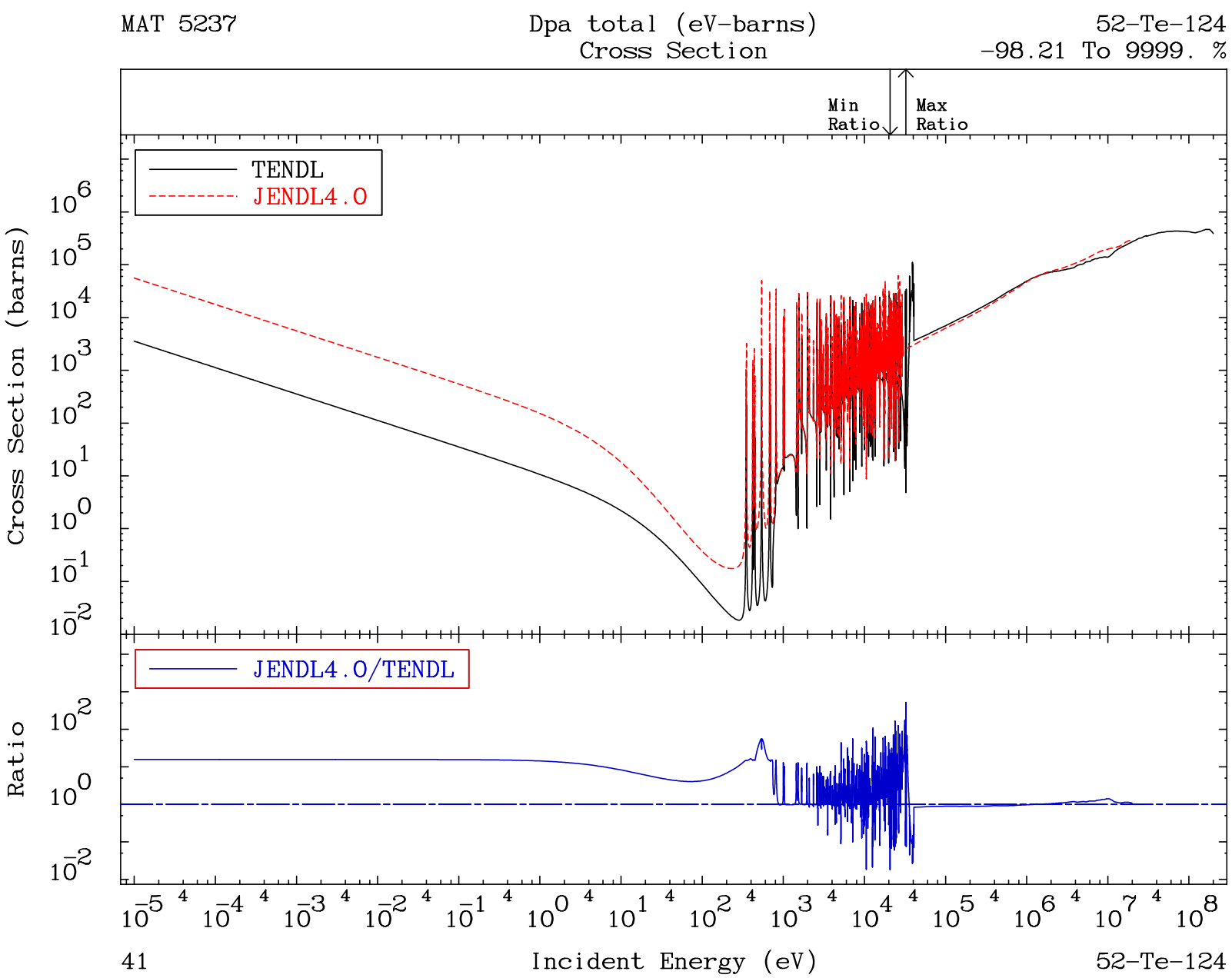

MAT 5237
Kerma inelastic (mt51-91)
Cross Section
52-Te-124
-100.0 To 6256. %
Min Ratio
Max Ratio
TENDL Threshold 607.63 keV
JENDL4.0 Threshold 607.63 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
36
52-Te-124

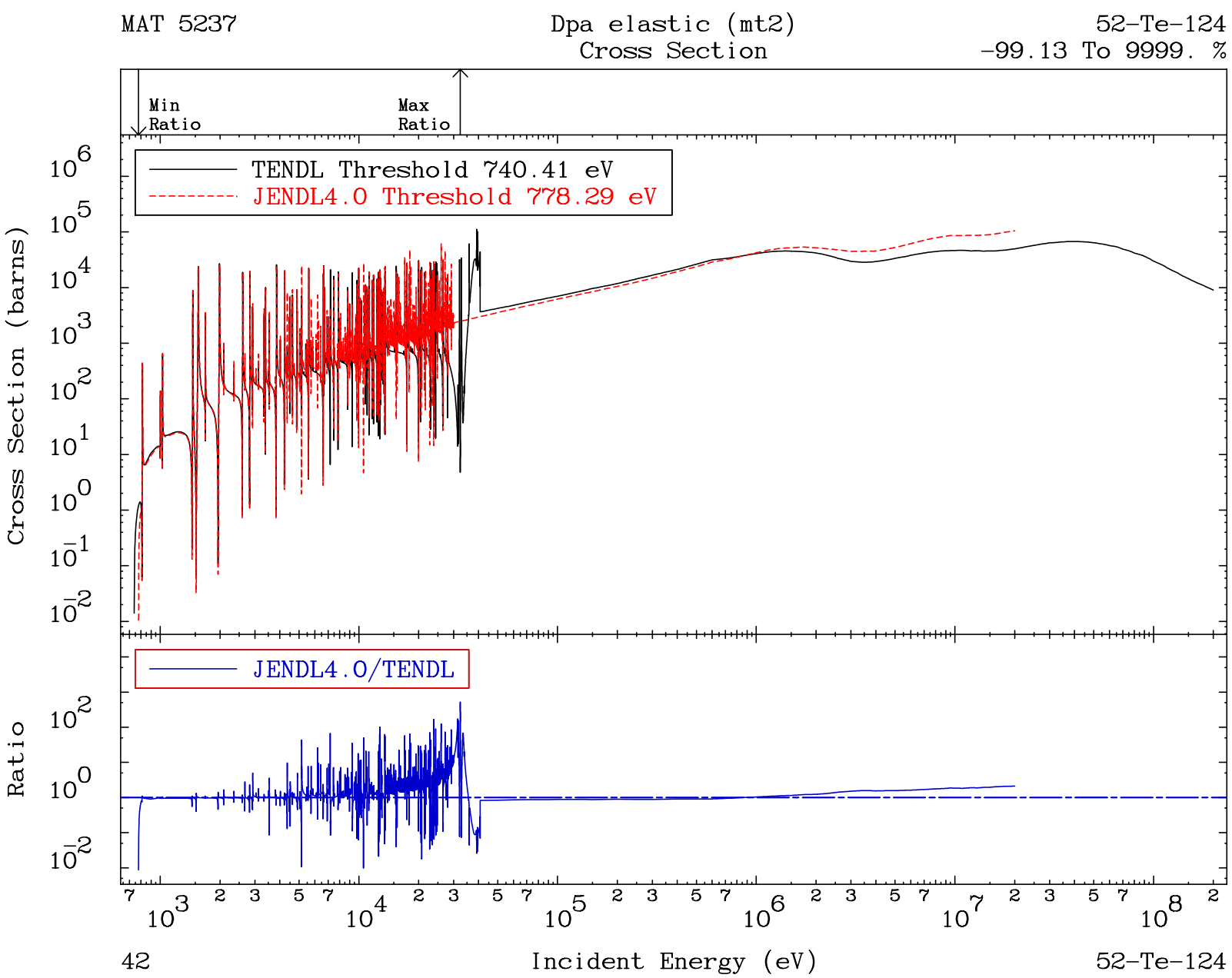

MAT 5237
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
52-Te-124
-100.0 To 6256. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JENDL4.0/TENDL
Ratio
10^3
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
52-Te-124

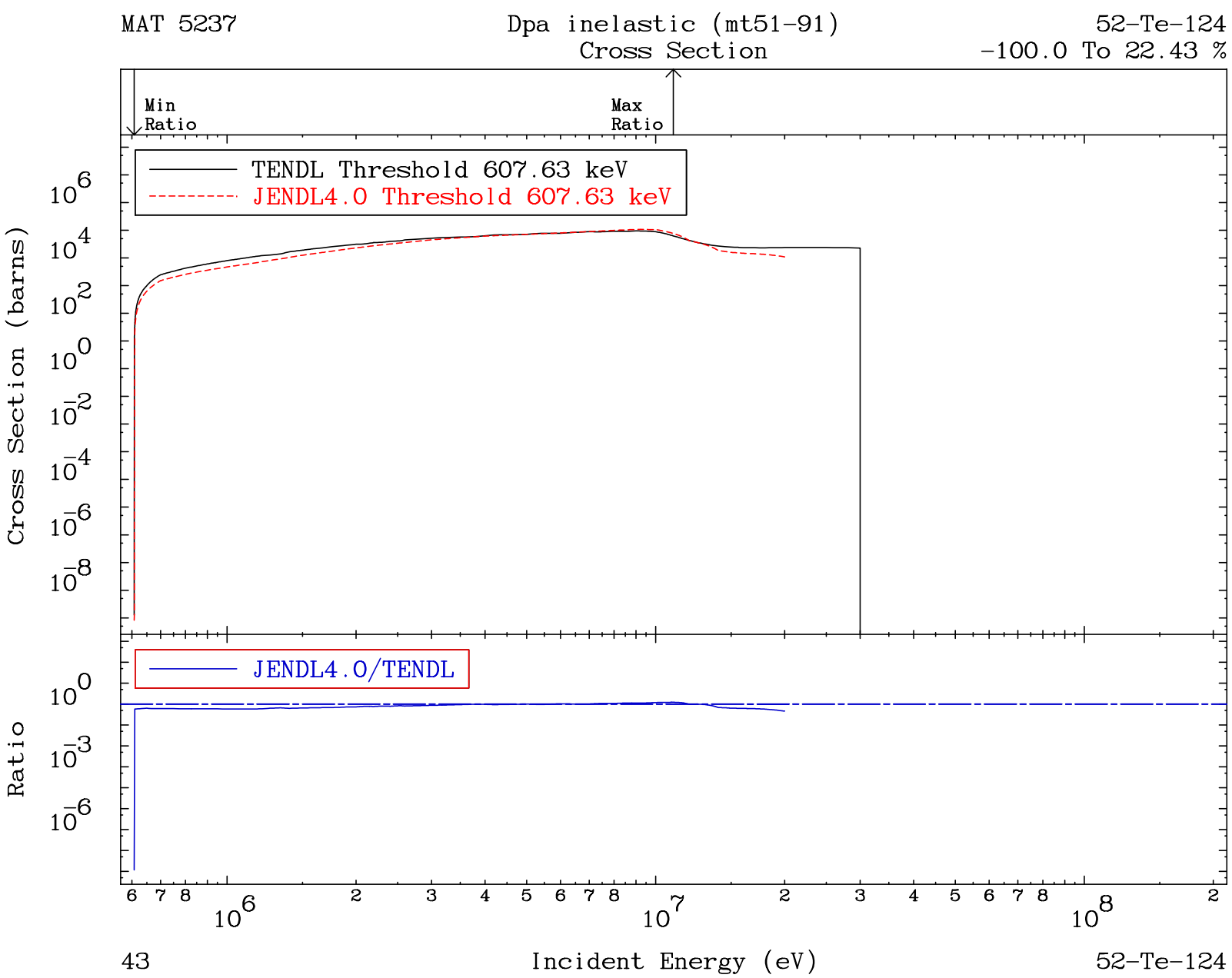

MAT 5237
Kerma capture (mt102)
Cross Section
52-Te-124
9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
38
52-Te-124

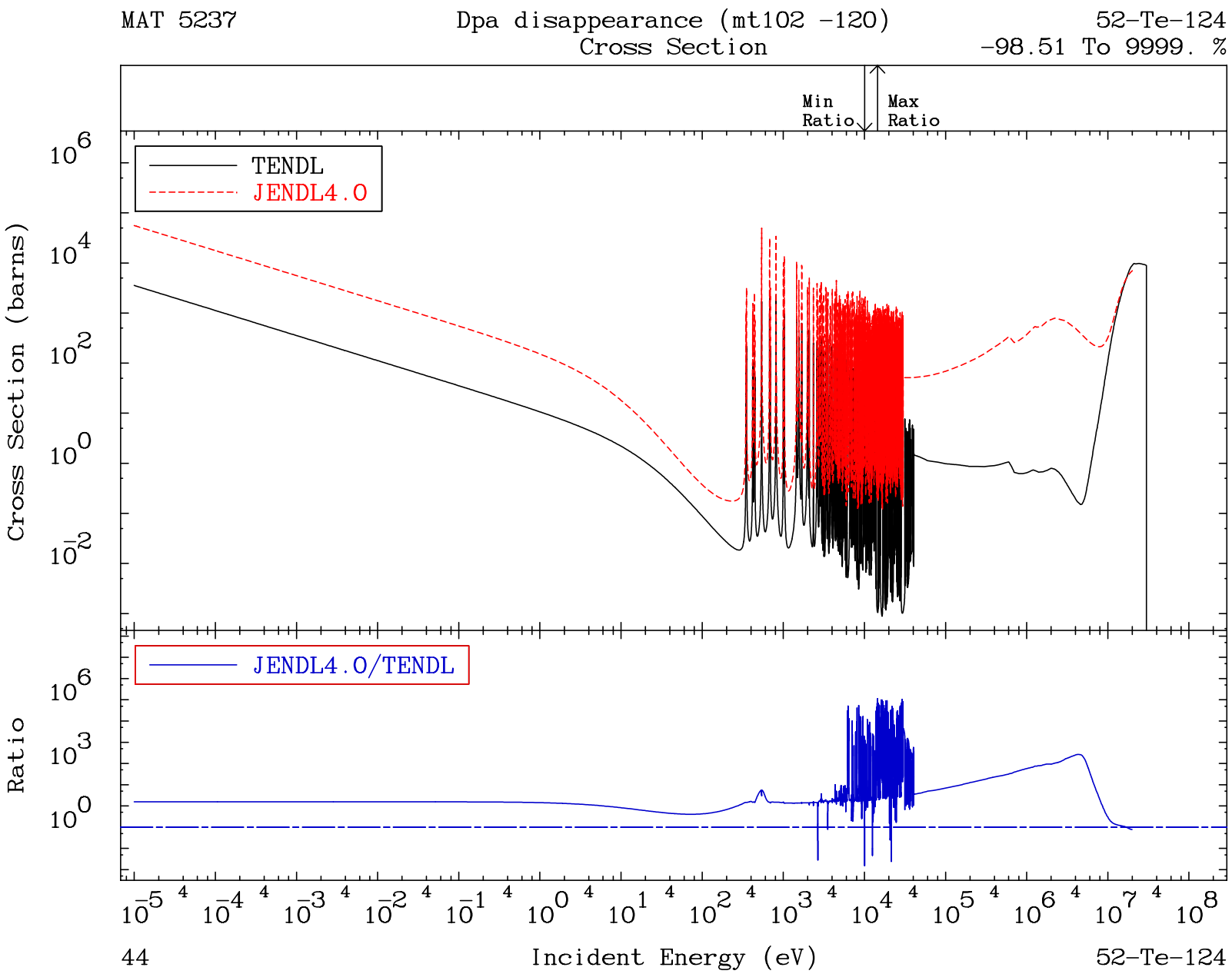

MAT 5237
Total photon (eV-barns)
Cross Section
52-Te-124
9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (Giga-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
10^{12}
10^{9}
10^{6}
10^{3}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
39
Incident Energy (eV)
52-Te-124

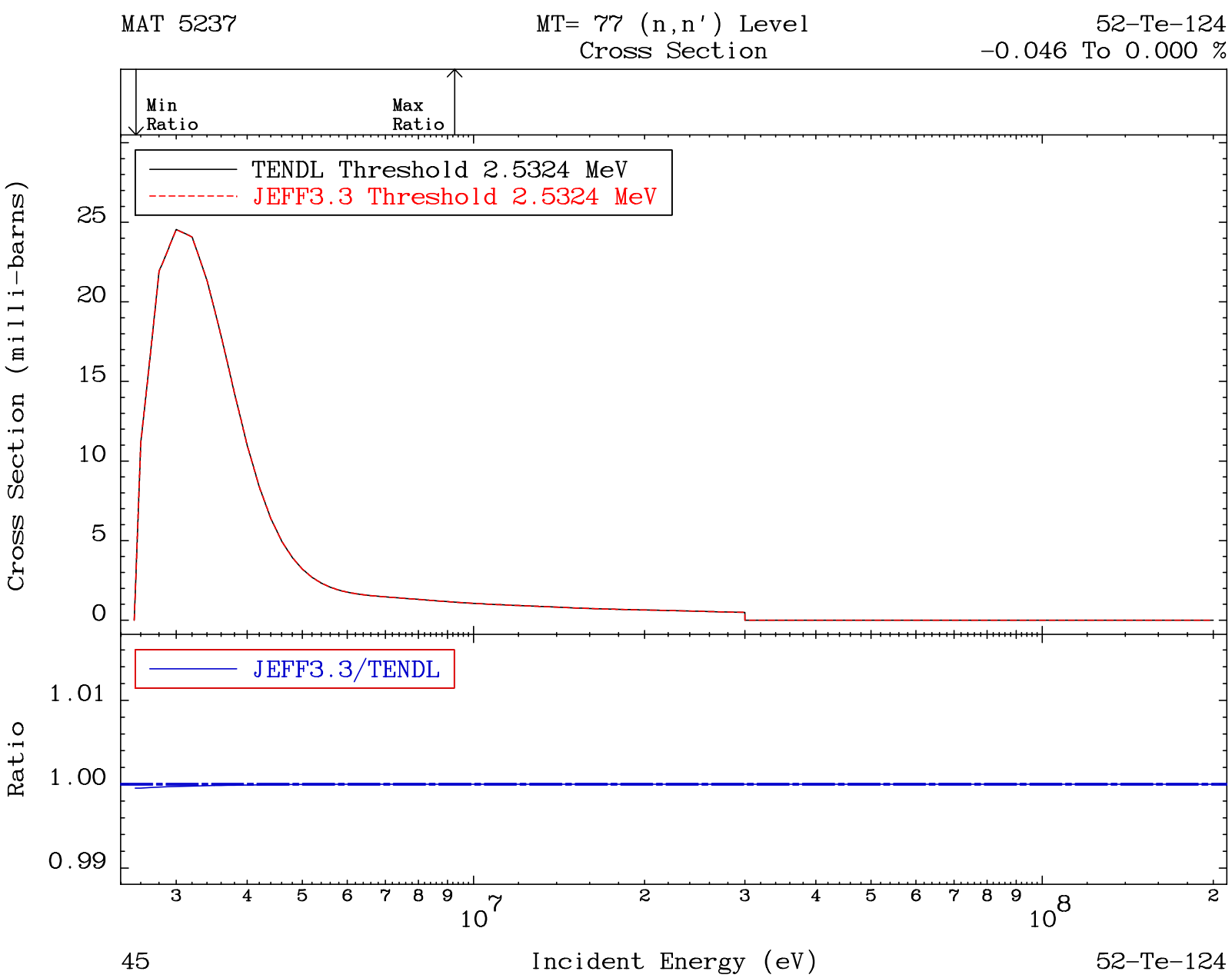

MAT 5237
Total kinematic kerma (high limit)
Cross Section
52-Te-124
-98.22 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
40
52-Te-124

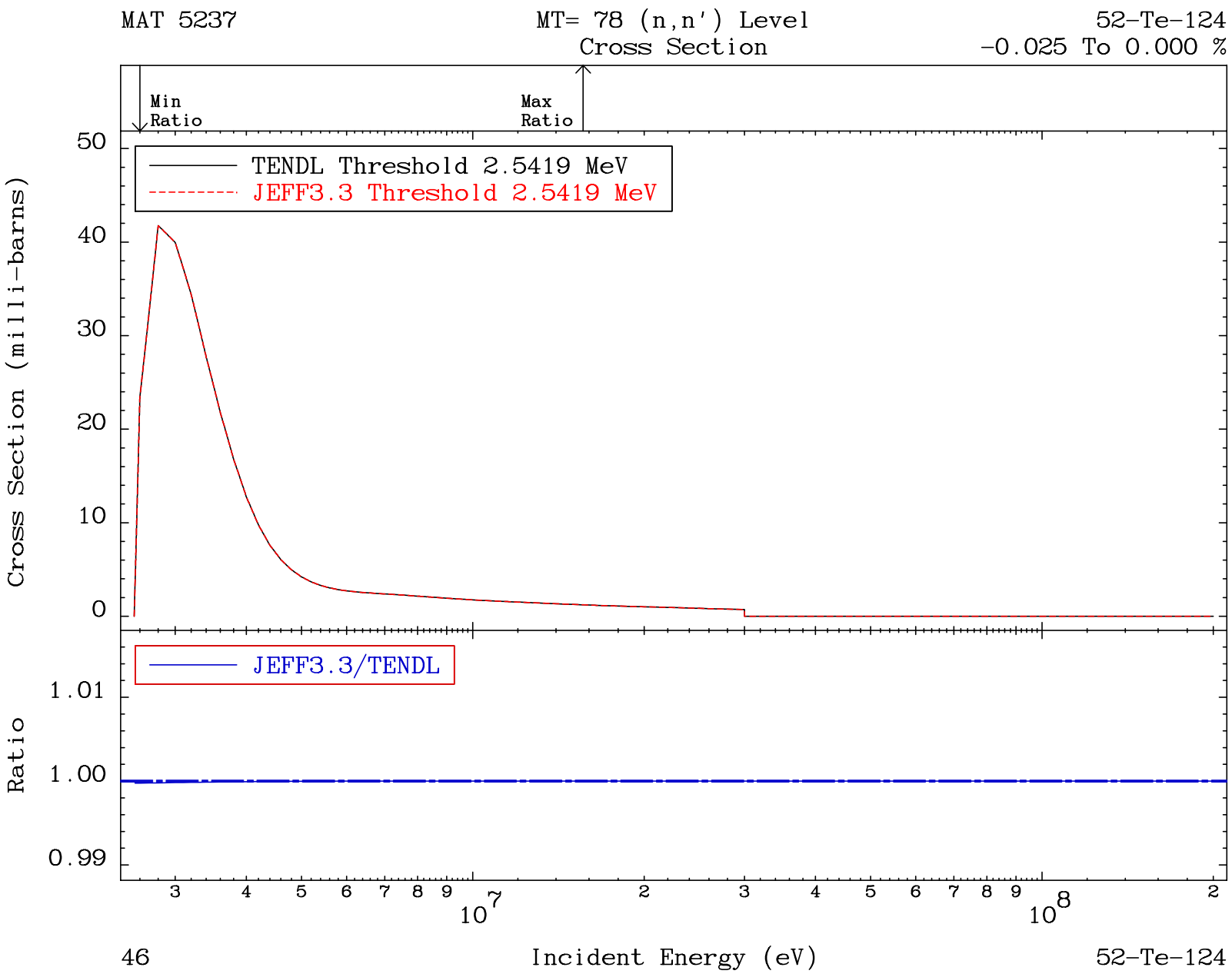

MAT 5237
Dpa total (eV-barns)
Cross Section
52-Te-124
-98.21 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
41
52-Te-124

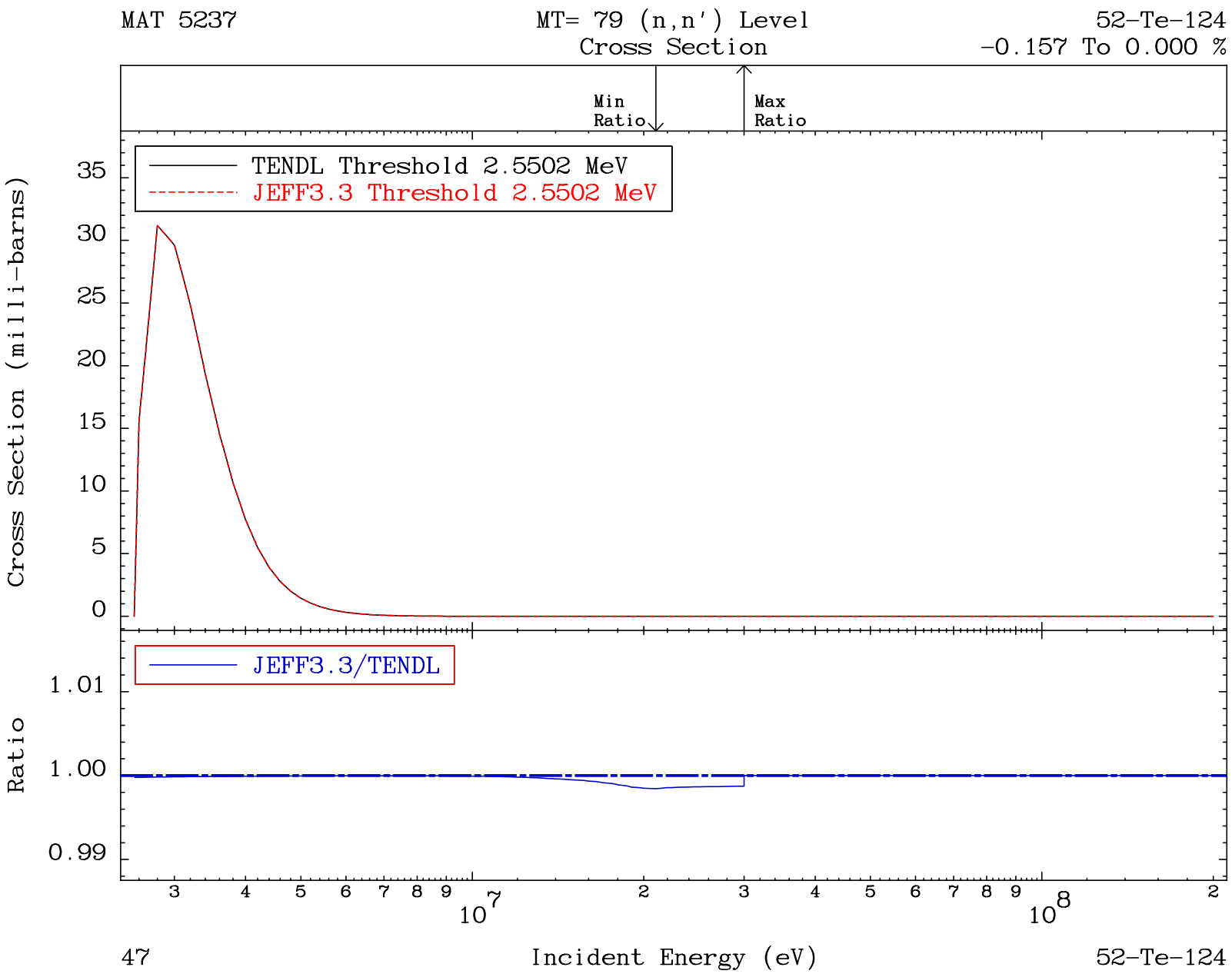

MAT 5237
Dpa elastic (mt2)
Cross Section
52-Te-124
-99.13 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 740.41 eV
JENDL4.0 Threshold 778.29 eV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
42
52-Te-124

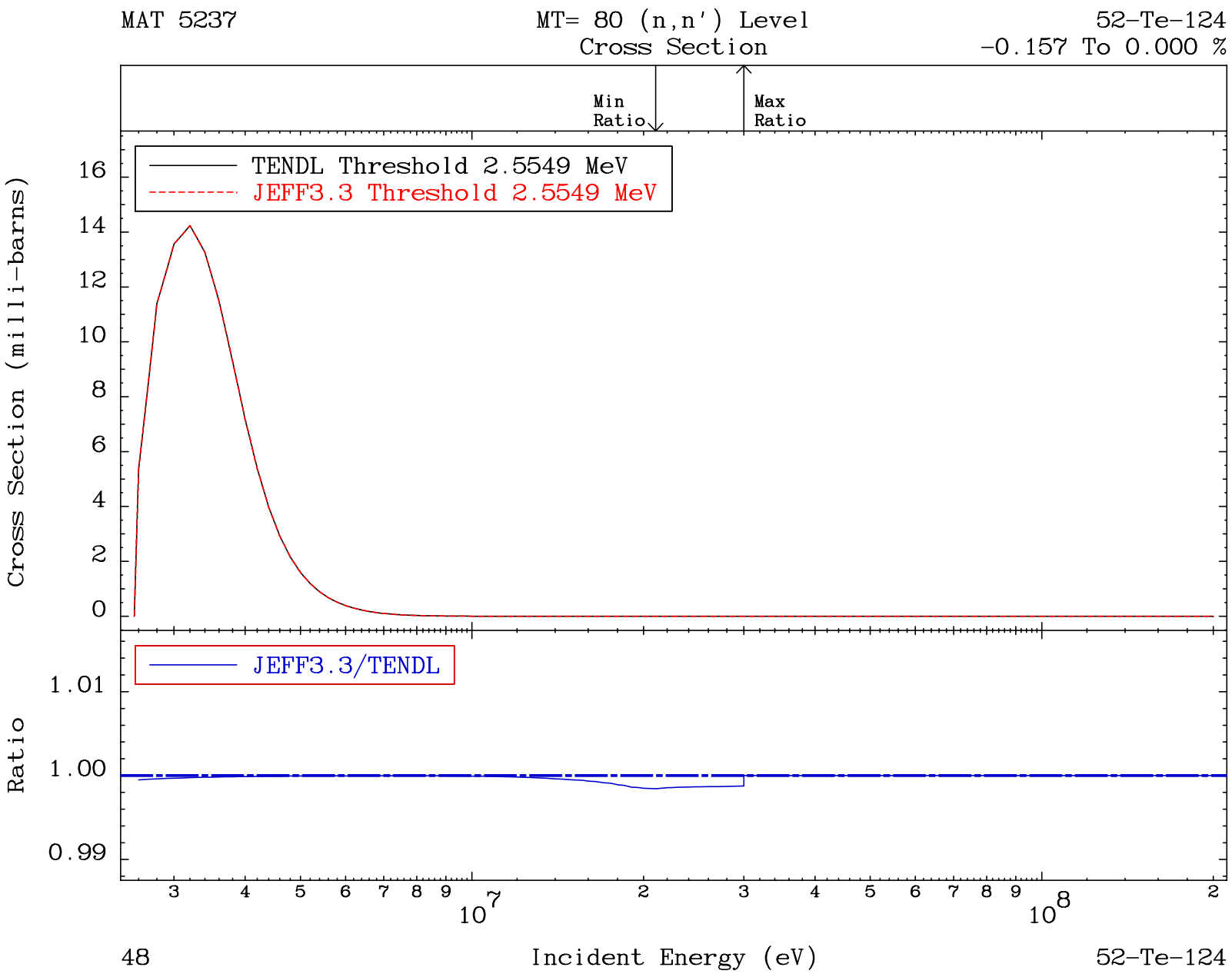

MAT 5237
Dpa inelastic (mt51-91)
Cross Section
52-Te-124
-100.0 To 22.43 %
Min Ratio
Max Ratio
TENDL Threshold 607.63 keV
JENDL4.0 Threshold 607.63 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
43
52-Te-124

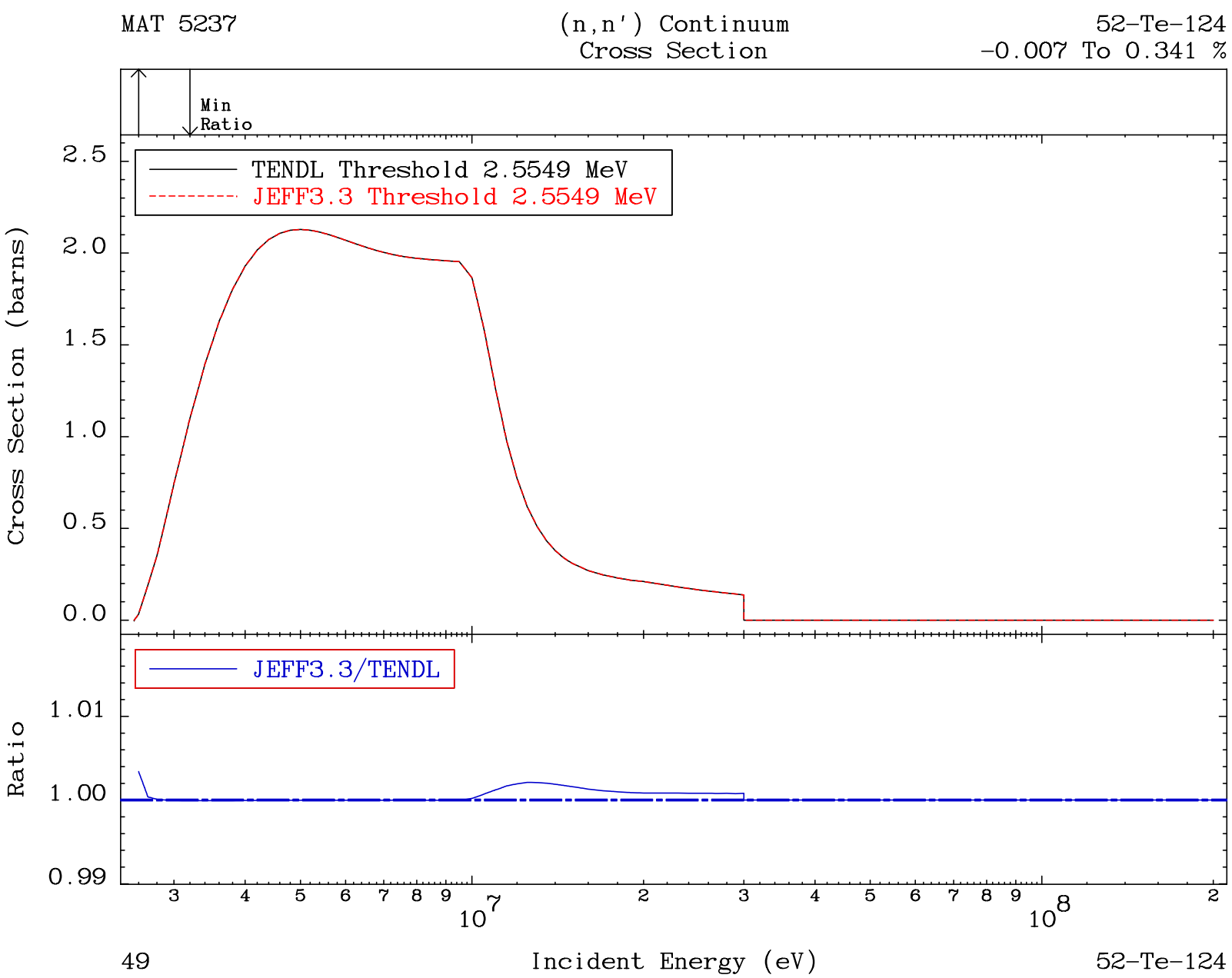

MAT 5237
Dpa disappearance (mt102 -120)
Cross Section
52-Te-124
-98.51 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
44
52-Te-124

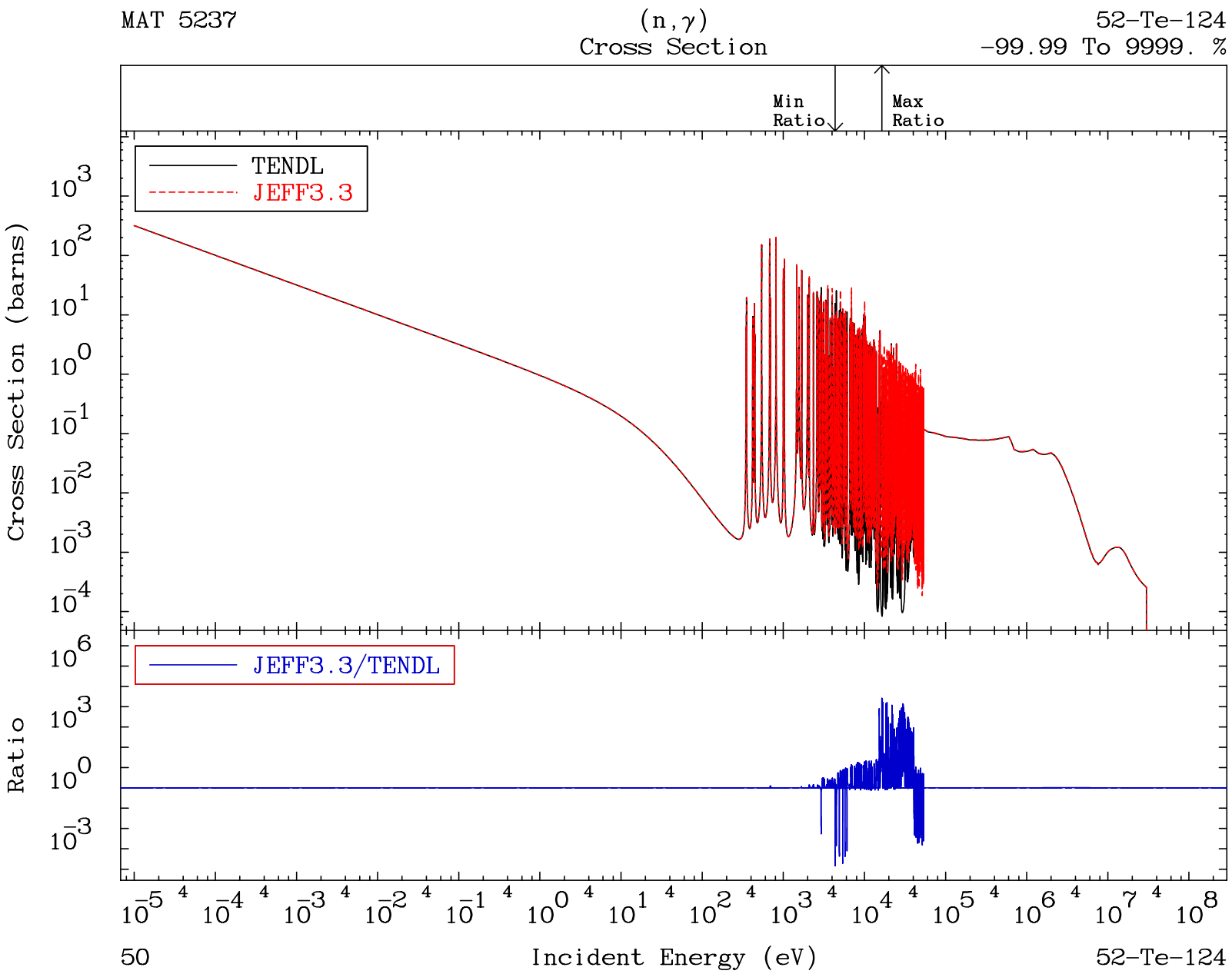

MAT 5237
MT= 77 (n,n') Level
Cross Section
52-Te-124
-0.046 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.5324 MeV
JEFF3.3 Threshold 2.5324 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
52-Te-124

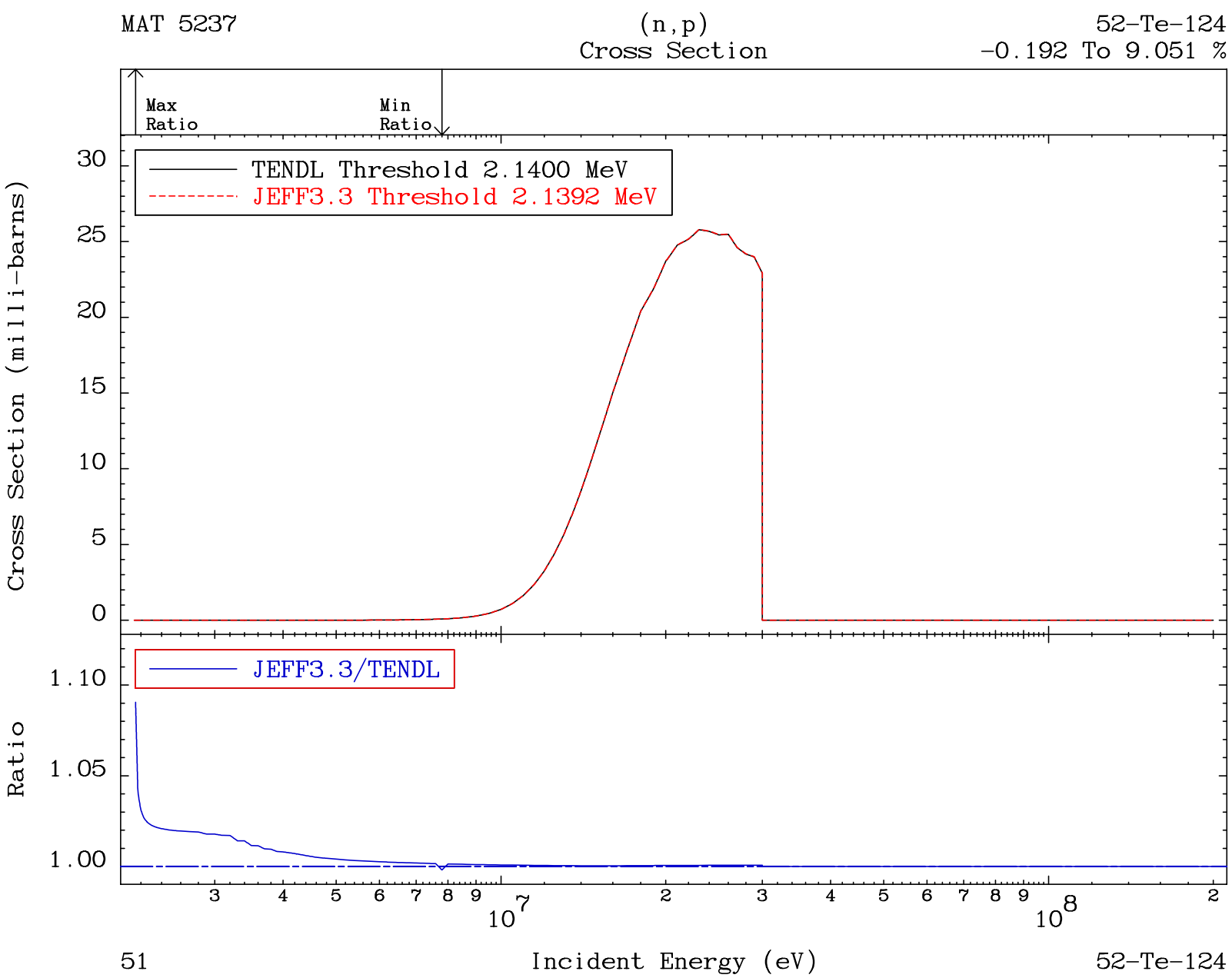

MAT 5237
MT= 78 (n,n') Level
Cross Section
52-Te-124
-0.025 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5419 MeV
JEFF3.3 Threshold 2.5419 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
46
Incident Energy (eV)
52-Te-124

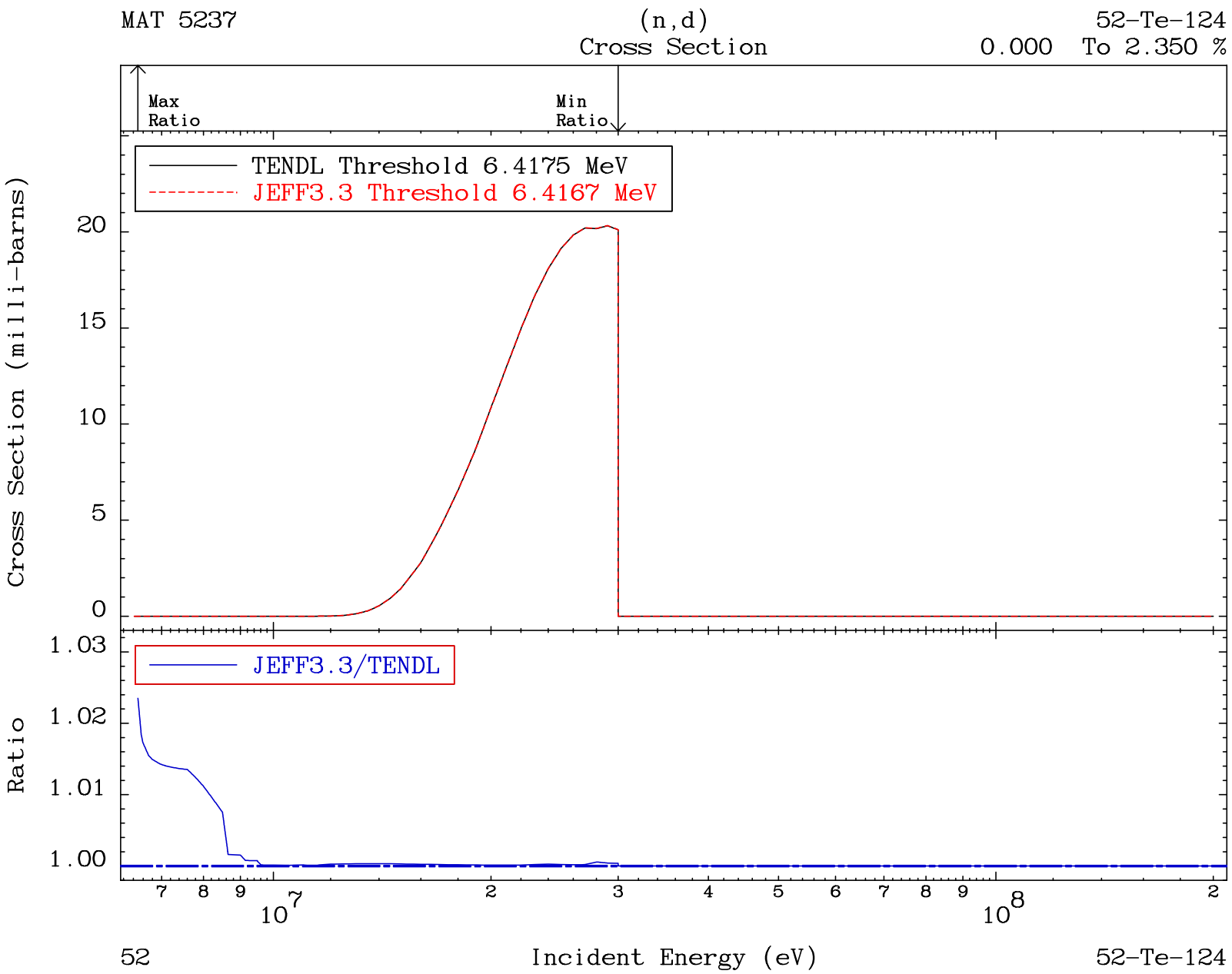

MAT 5237
MT= 79 (n,n') Level
Cross Section
52-Te-124
-0.157 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.5502 MeV
JEFF3.3 Threshold 2.5502 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
47
Incident Energy (eV)
52-Te-124

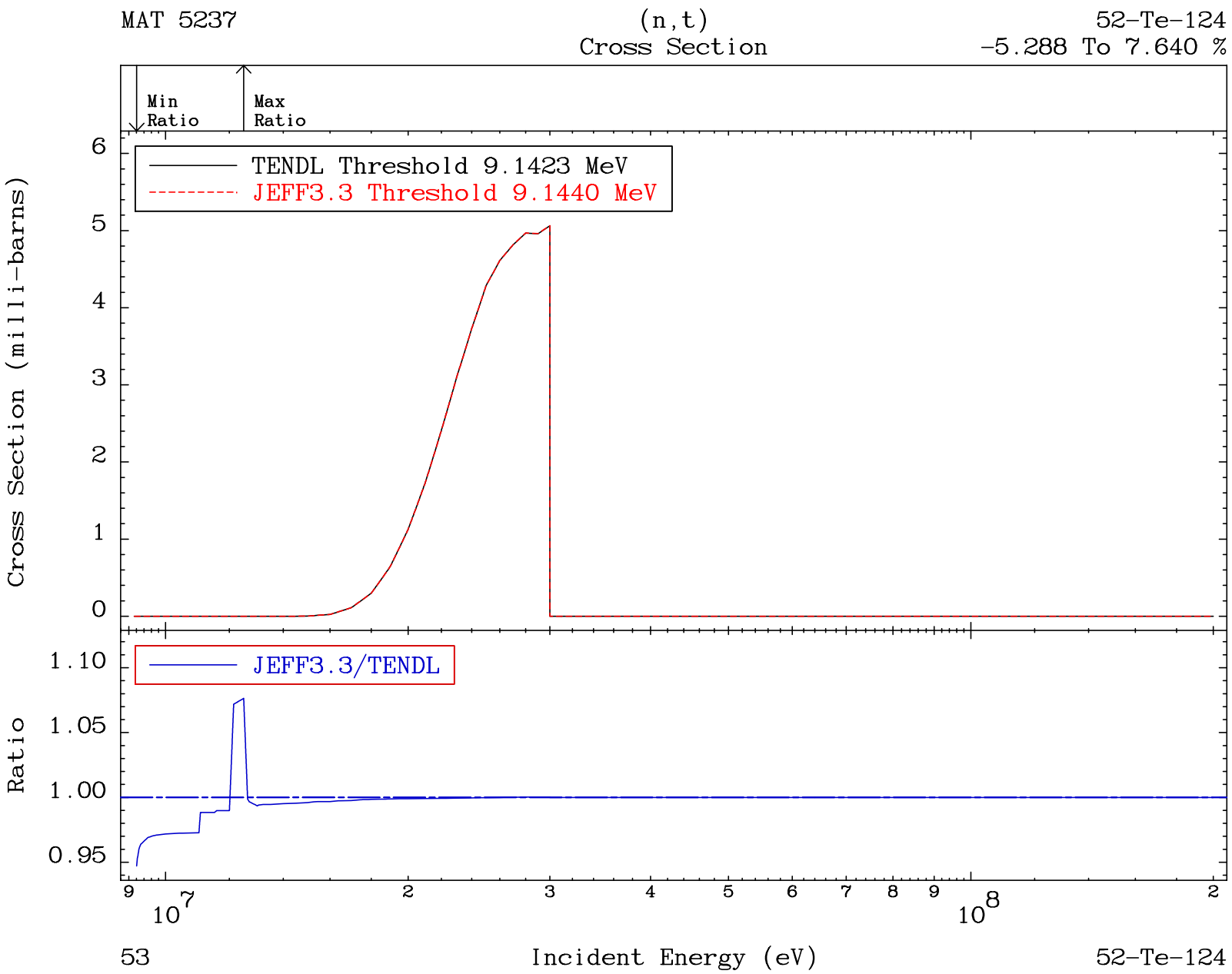

MAT 5237
MT= 80 (n,n') Level
Cross Section
52-Te-124
-0.157 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.5549 MeV
JEFF3.3 Threshold 2.5549 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
52-Te-124

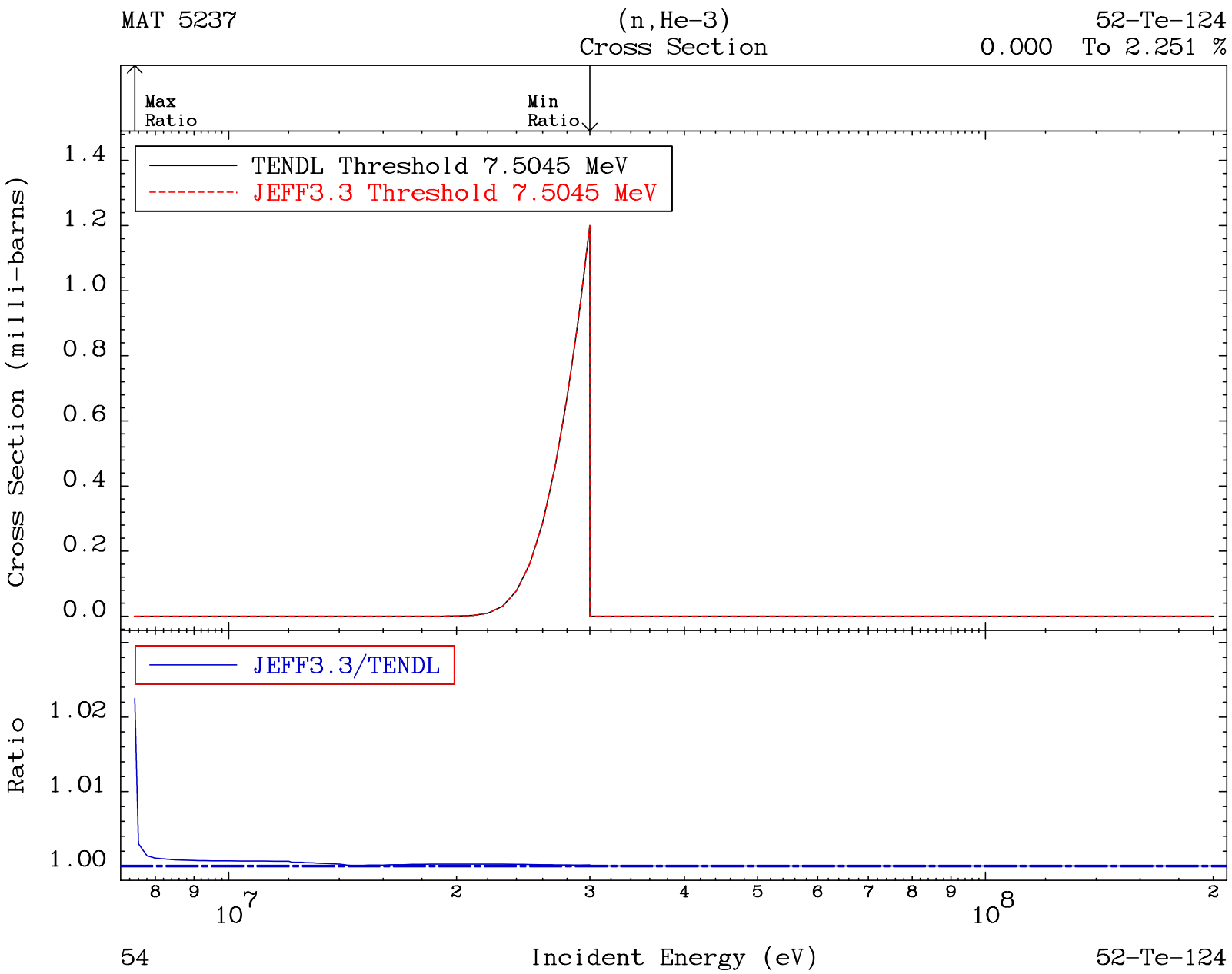

MAT 5237
(n,n') Continuum
Cross Section
52-Te-124
-0.007 To 0.341 %
Min
Ratio
TENDL Threshold 2.5549 MeV
JEFF3.3 Threshold 2.5549 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
49
Incident Energy (eV)
52-Te-124

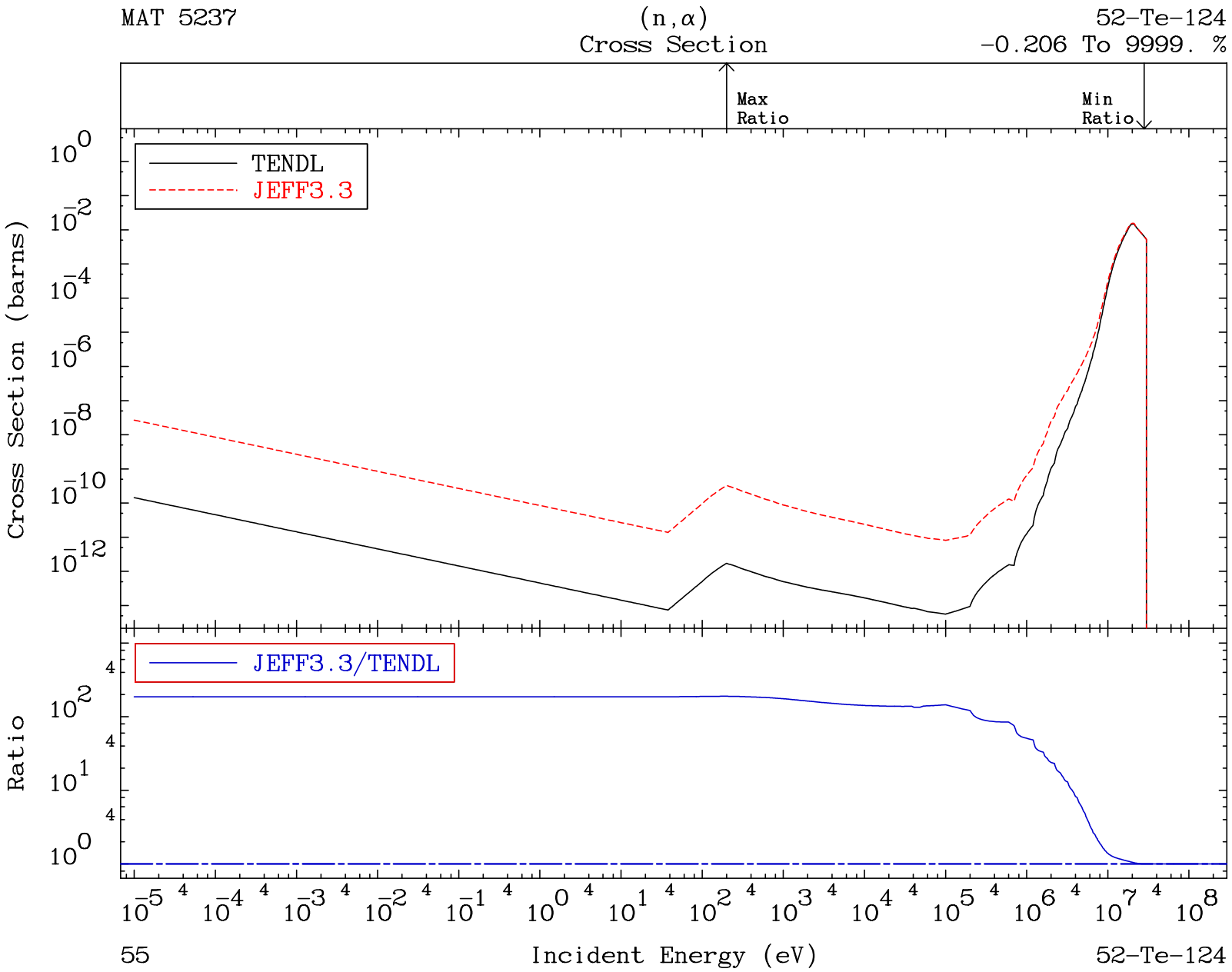

MAT 5237
(n,γ)
Cross Section
52-Te-124
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50
52-Te-124

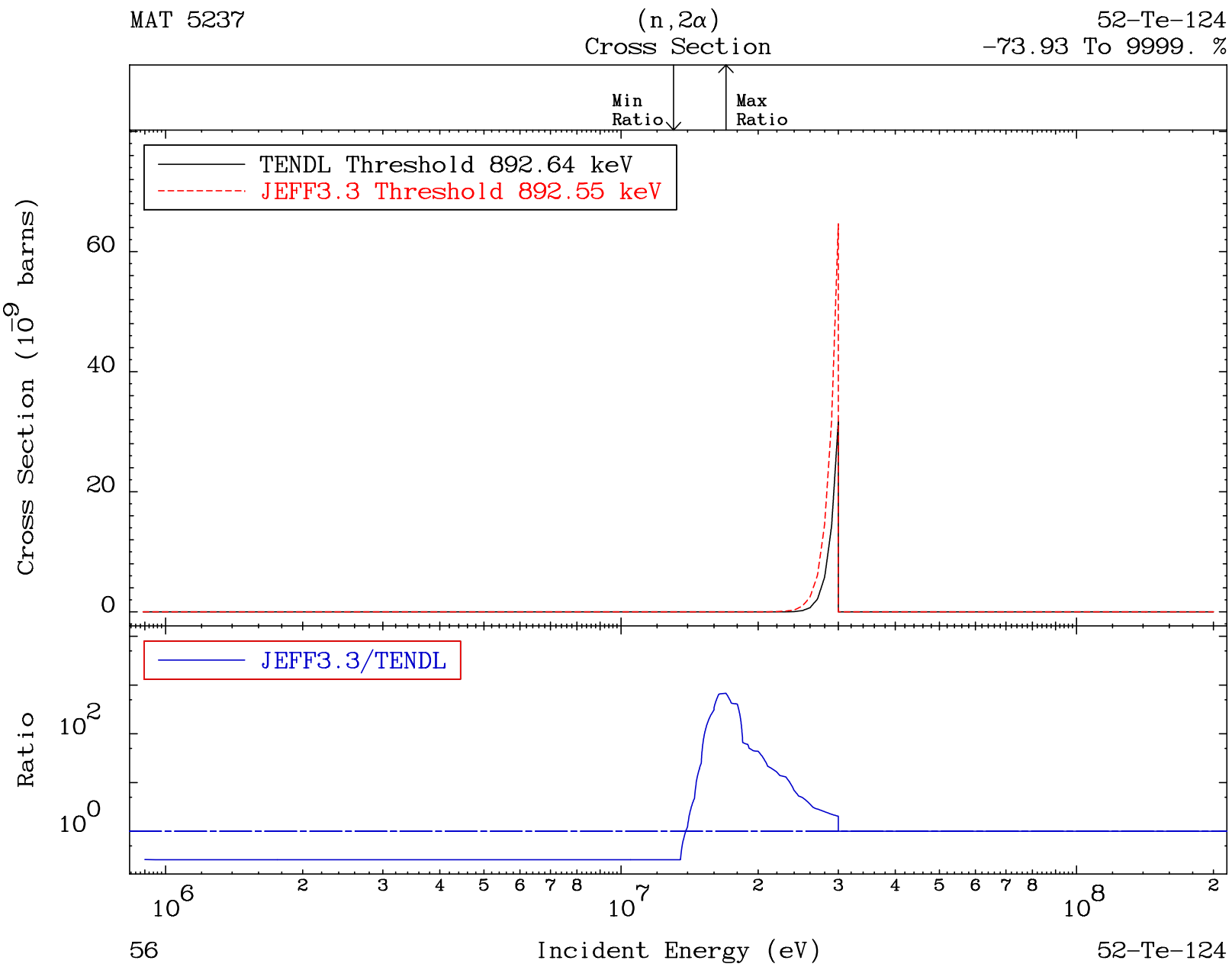

MAT 5237
(n,p)
Cross Section
52-Te-124
-0.192 To 9.051 %
Max Ratio
Min Ratio
TENDL Threshold 2.1400 MeV
JEFF3.3 Threshold 2.1392 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
51
Incident Energy (eV)
52-Te-124

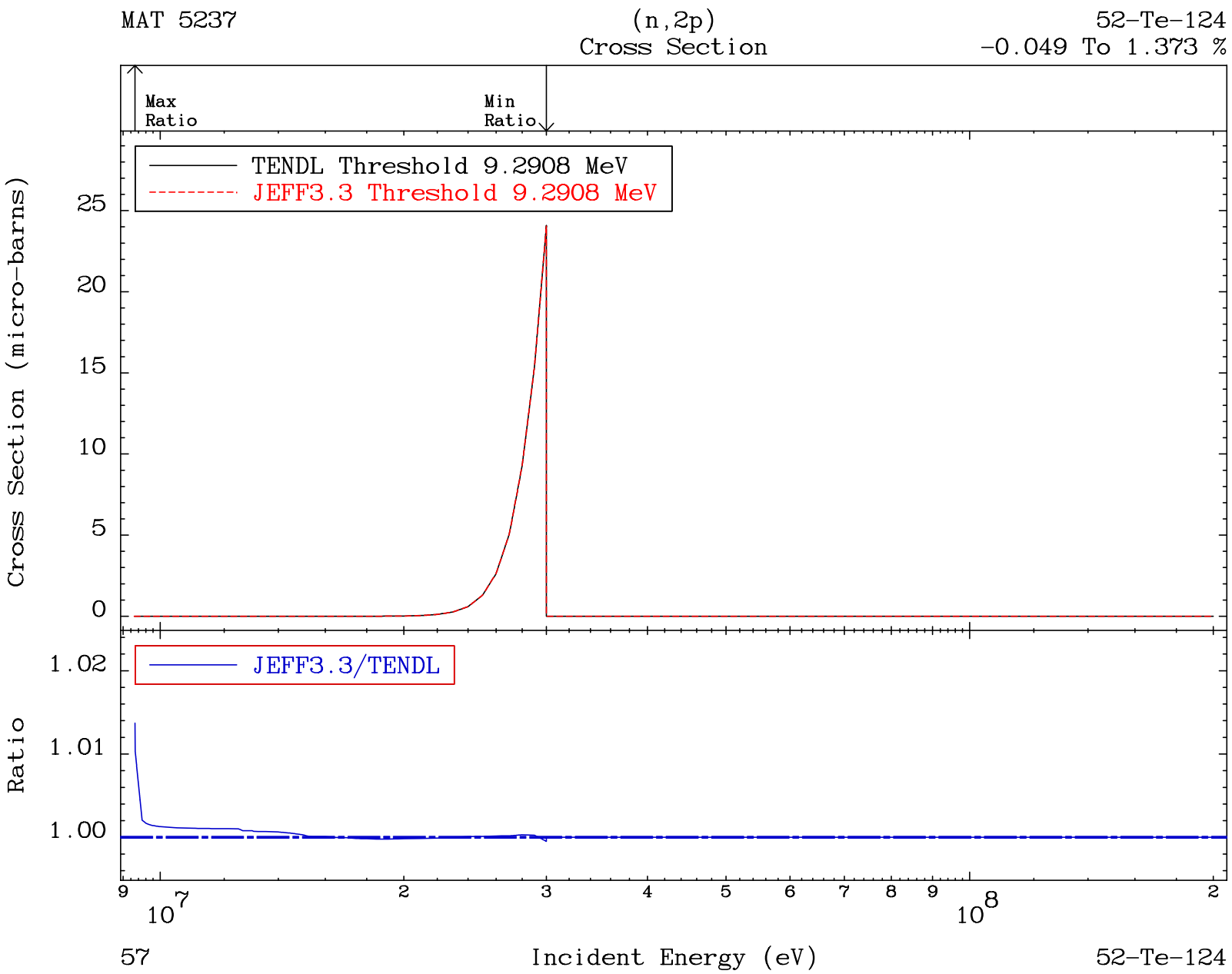

MAT 5237
(n,d)
Cross Section
52-Te-124
0.000 To 2.350 %
Max Ratio
Min Ratio
TENDL Threshold 6.4175 MeV
JEFF3.3 Threshold 6.4167 MeV
Cross Section (milli-barns)
0
5
10
15
20
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
1.03
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
52
Incident Energy (eV)
52-Te-124

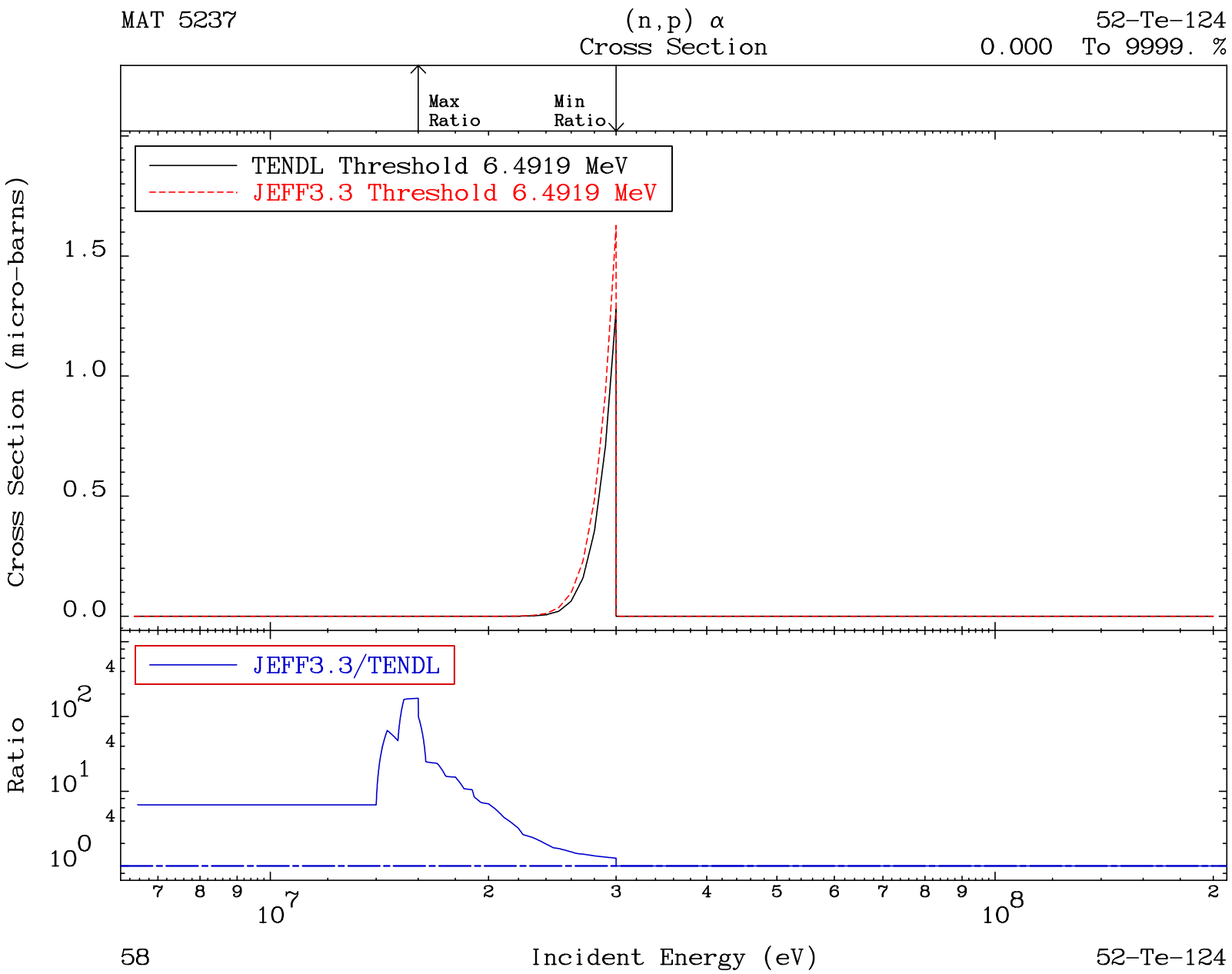

MAT 5237
(n,t)
Cross Section
52-Te-124
-5.288 To 7.640 %
Min Ratio
Max Ratio
TENDL Threshold 9.1423 MeV
JEFF3.3 Threshold 9.1440 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
53
52-Te-124

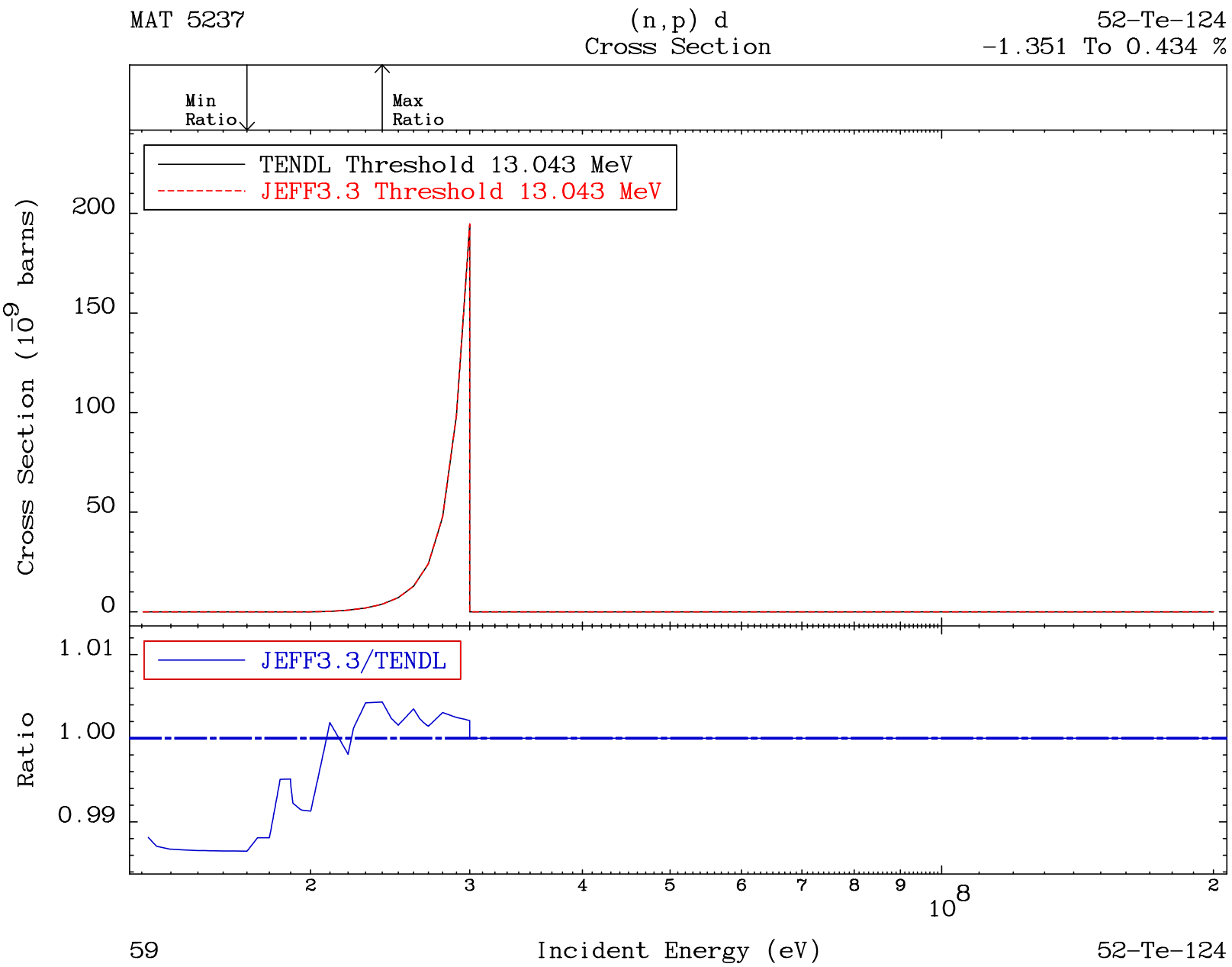

MAT 5237
(n,He-3)
Cross Section
52-Te-124
0.000 To 2.251 %
Max Ratio
Min Ratio
TENDL Threshold 7.5045 MeV
JEFF3.3 Threshold 7.5045 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
52-Te-124

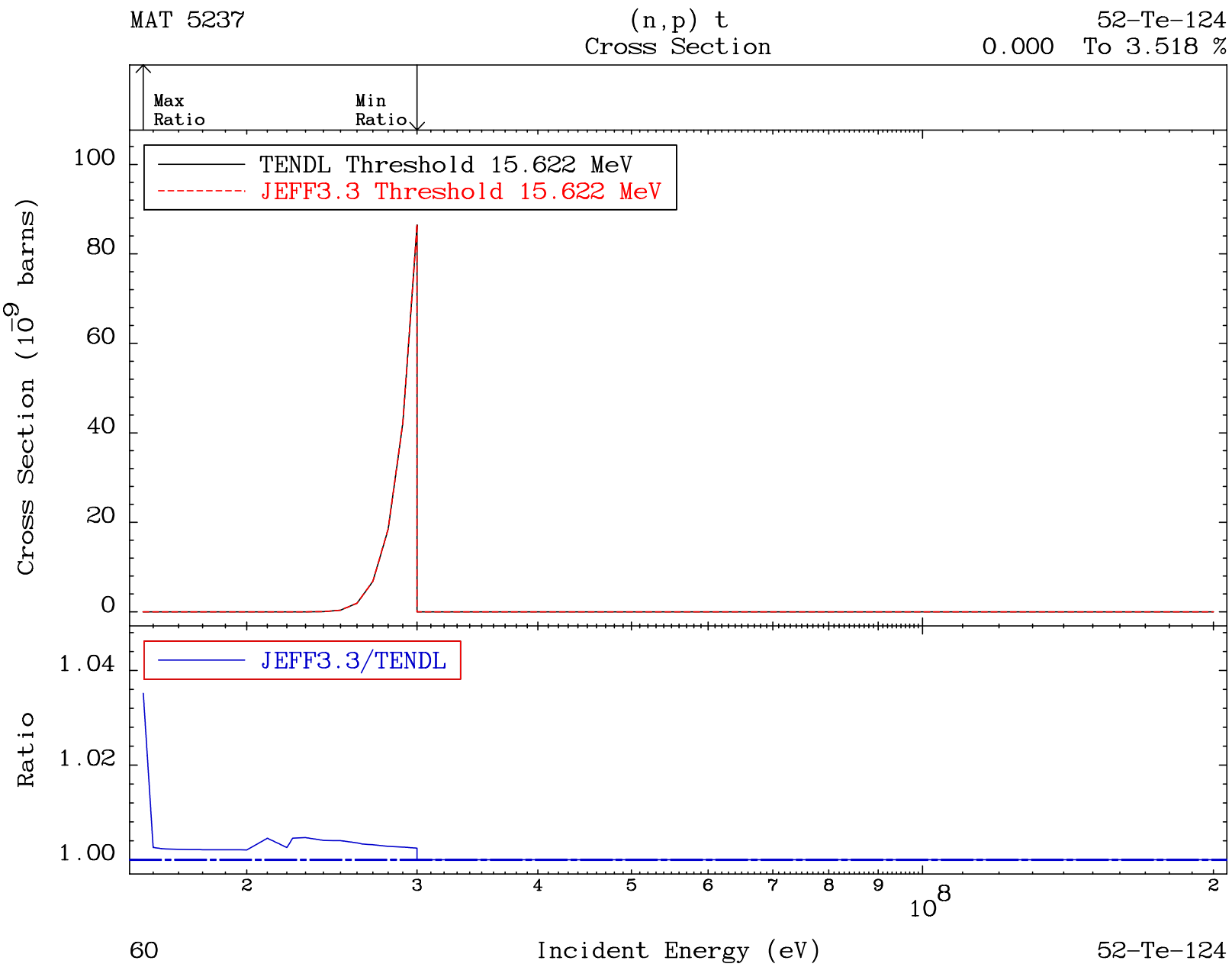

MAT 5237
(n,α)
Cross Section
52-Te-124
-0.206 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
55
52-Te-124

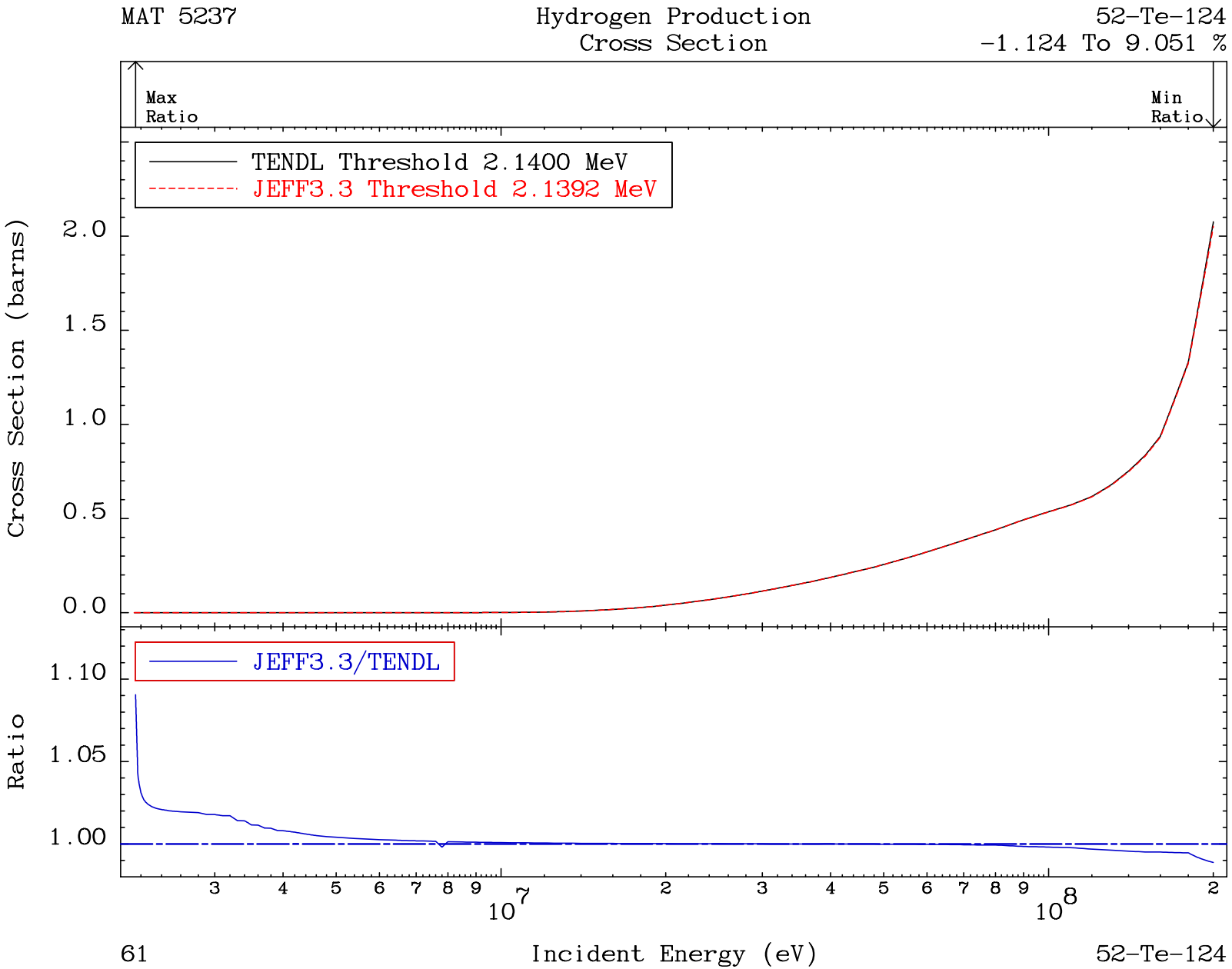

MAT 5237
(n,2α)
Cross Section
52-Te-124
-73.93 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 892.64 keV
JEFF3.3 Threshold 892.55 keV
Cross Section (10^-9 barns)
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
56
Incident Energy (eV)
52-Te-124

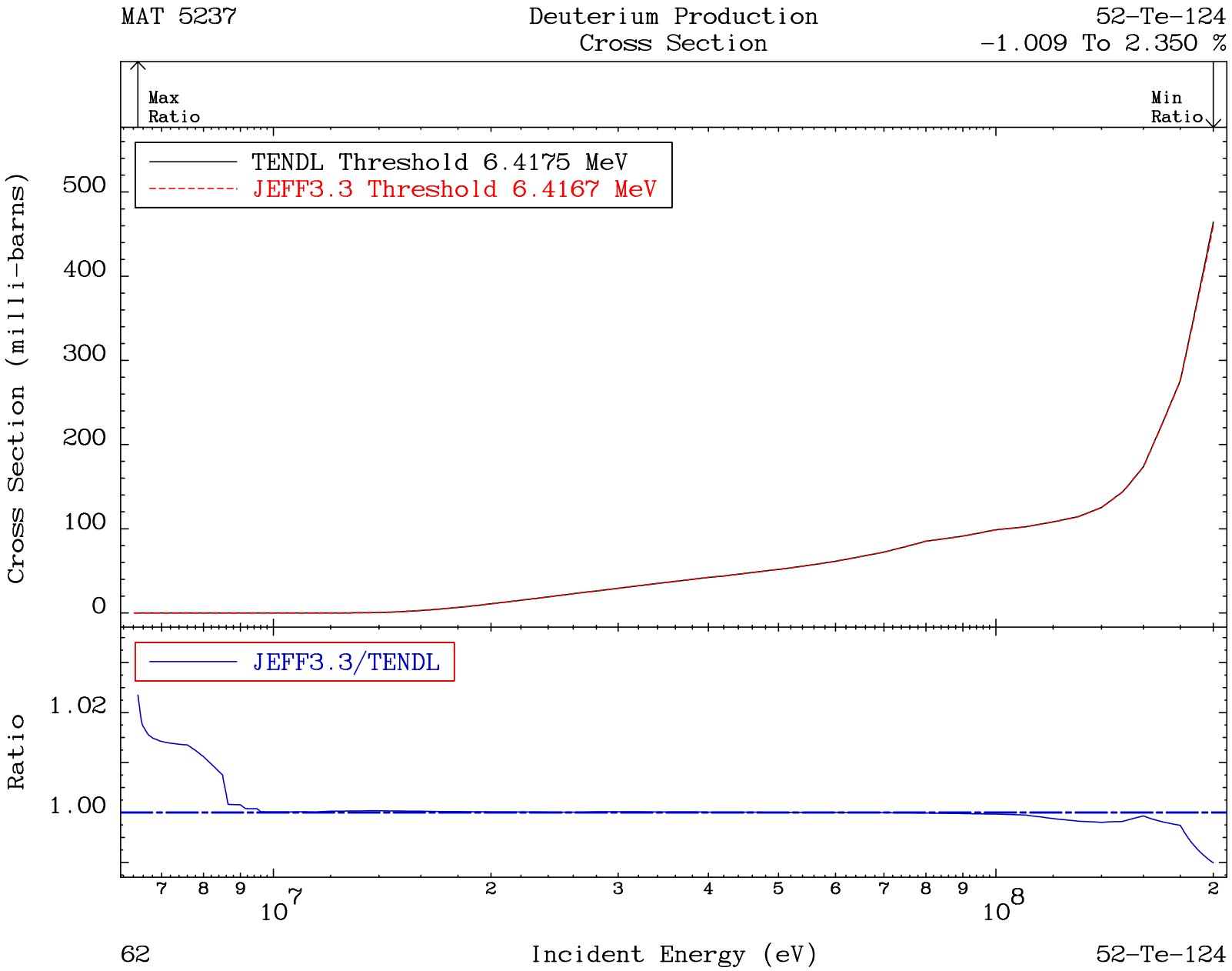

MAT 5237
(n,2p)
Cross Section
52-Te-124
-0.049 To 1.373 %
Max Ratio
Min Ratio
TENDL Threshold 9.2908 MeV
JEFF3.3 Threshold 9.2908 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
9
10^7
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
52-Te-124

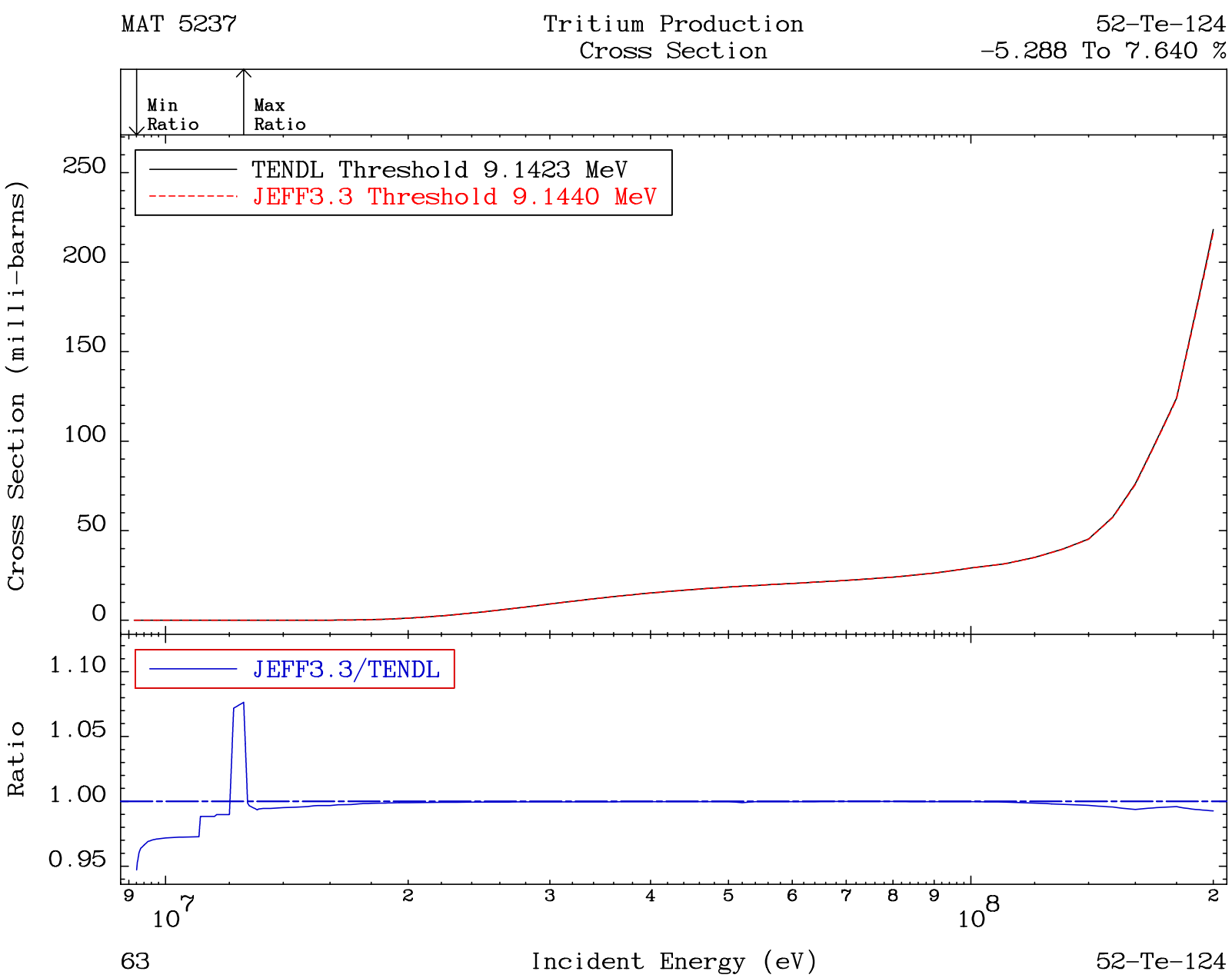

MAT 5237
(n,p) α
Cross Section
52-Te-124
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.4919 MeV
JEFF3.3 Threshold 6.4919 MeV
Cross Section (micro-barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
58
Incident Energy (eV)
52-Te-124

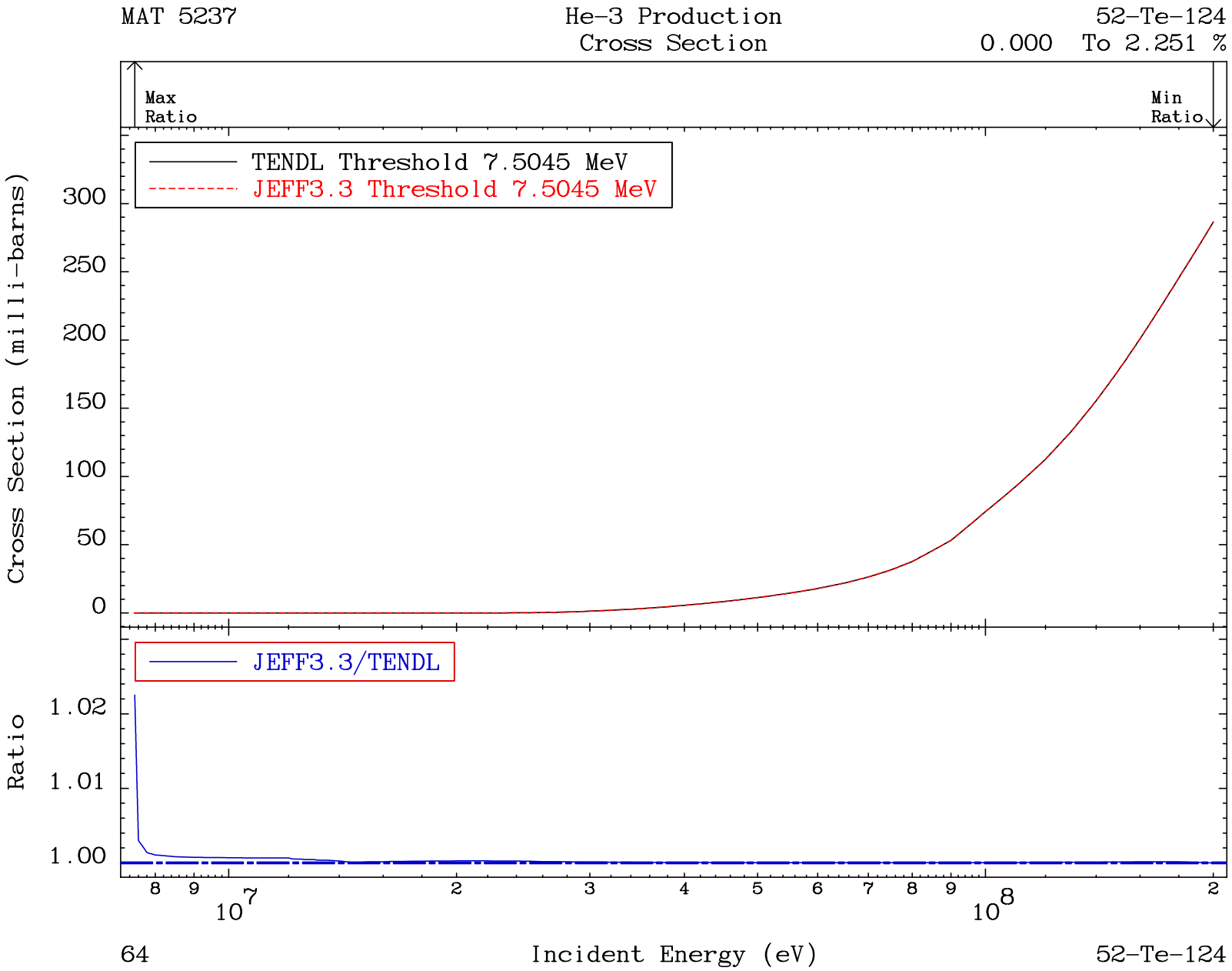

MAT 5237
(n,p) d
Cross Section
52-Te-124
-1.351 To 0.434 %
Min Ratio
Max Ratio
TENDL Threshold 13.043 MeV
JEFF3.3 Threshold 13.043 MeV
Cross Section (10^{-9} barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^{8}
2
59
Incident Energy (eV)
52-Te-124

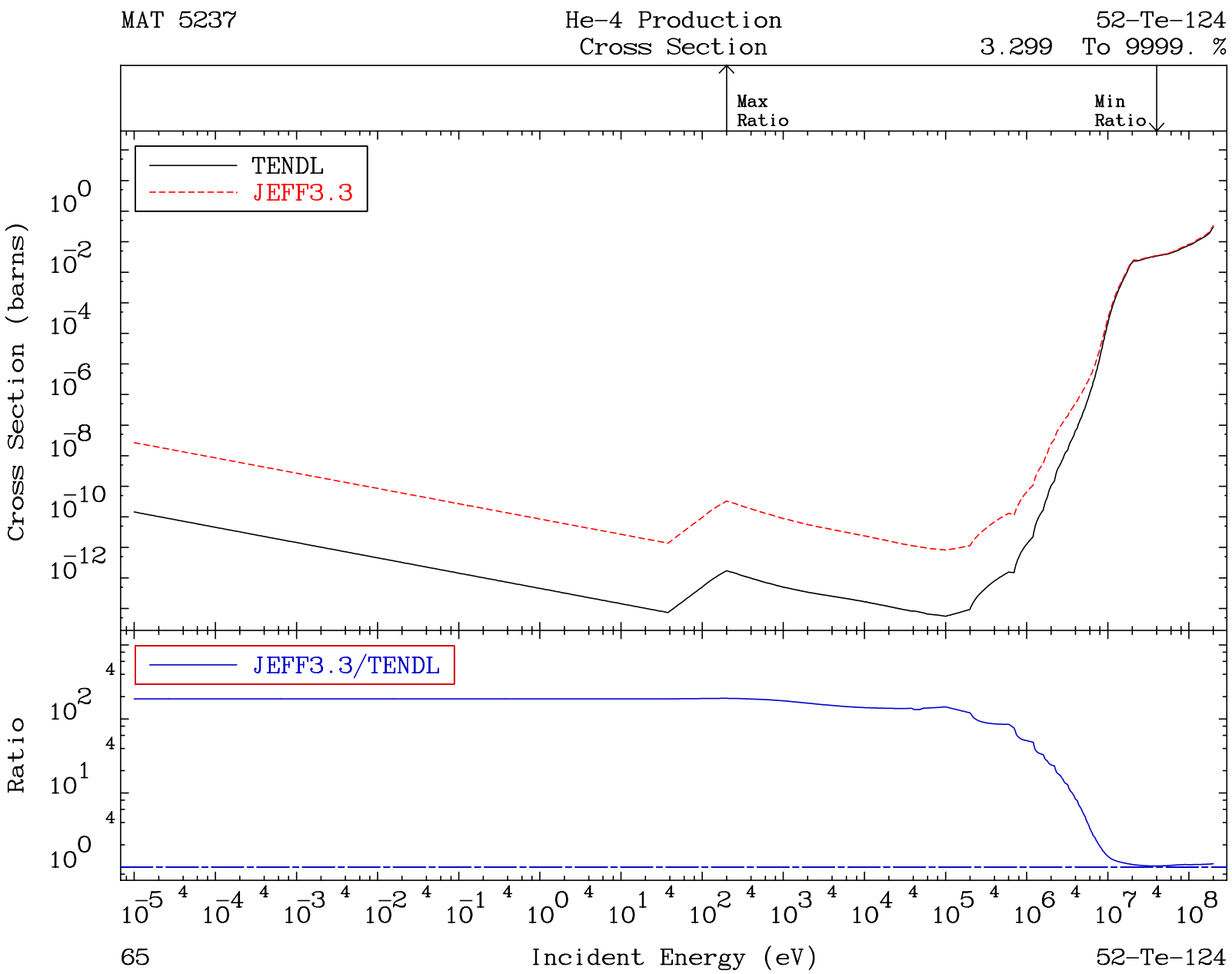

MAT 5237
(n,p) t
Cross Section
52-Te-124
0.000 To 3.518 %
Max Ratio
Min Ratio
TENDL Threshold 15.622 MeV
JEFF3.3 Threshold 15.622 MeV
Cross Section (10^{-9} barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^{8}
2
60
Incident Energy (eV)
52-Te-124

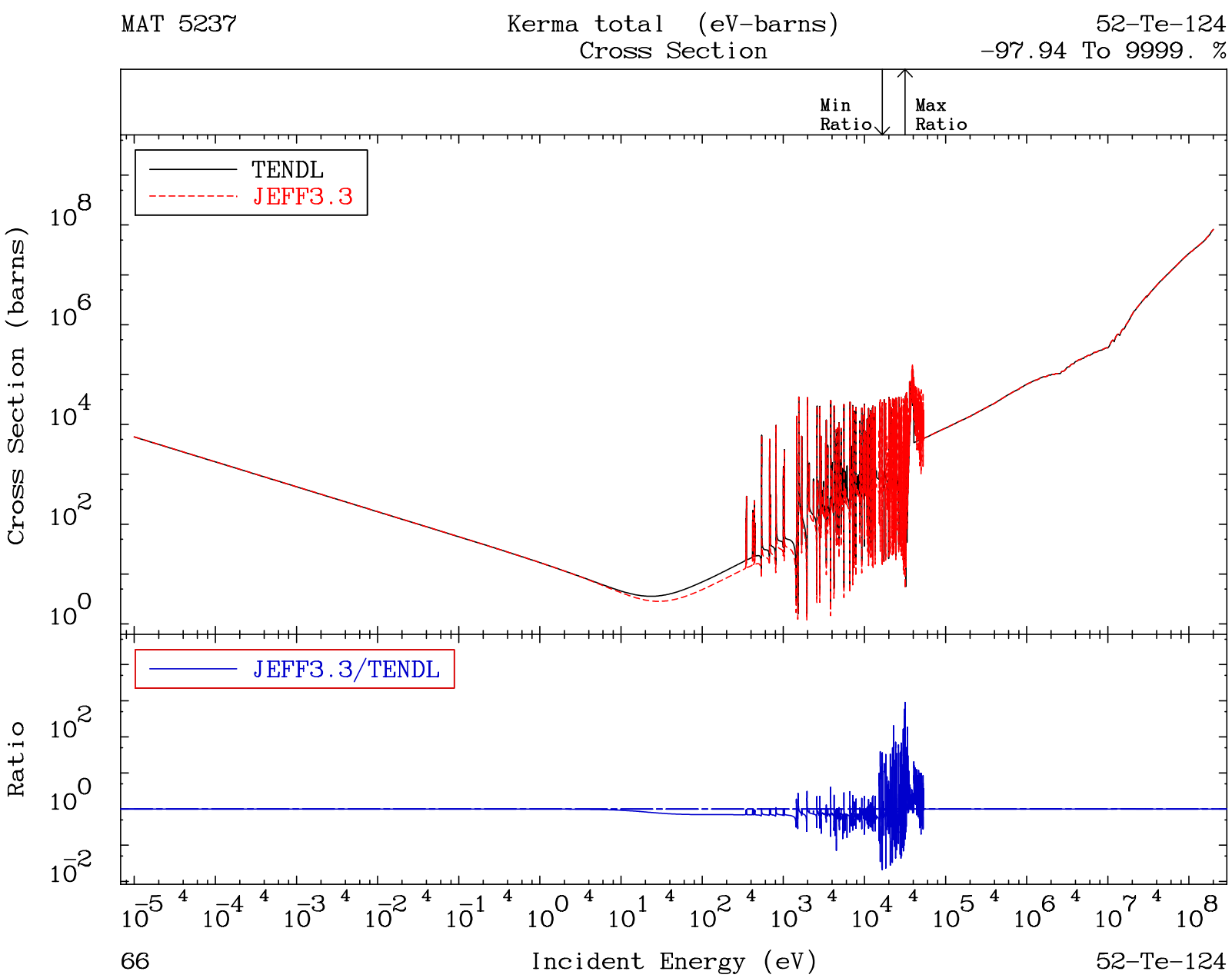

MAT 5237
Hydrogen Production
Cross Section
52-Te-124
-1.124 To 9.051 %
Max Ratio
Min Ratio
TENDL Threshold 2.1400 MeV
JEFF3.3 Threshold 2.1392 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
61
Incident Energy (eV)
52-Te-124

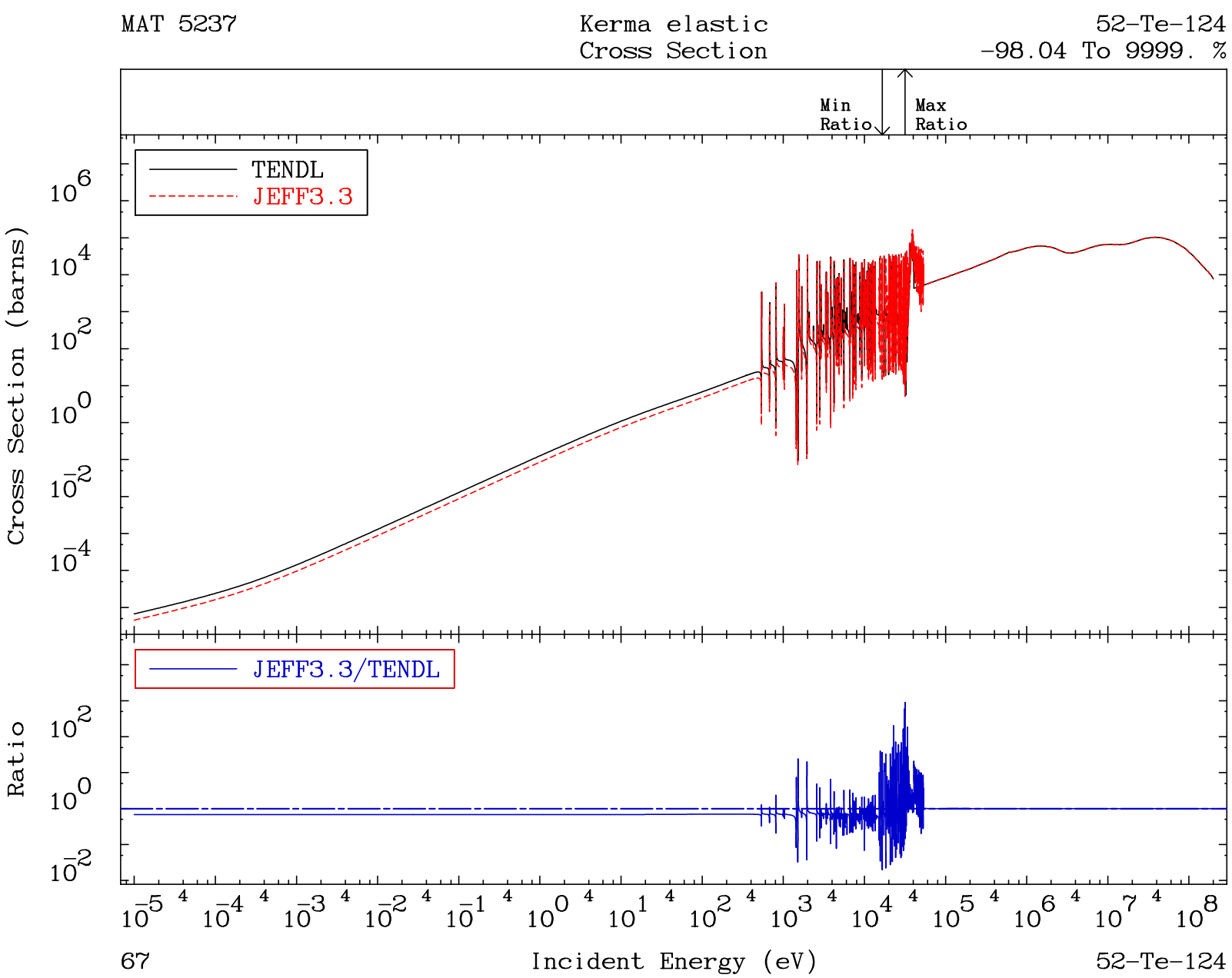

MAT 5237
Deuterium Production
Cross Section
52-Te-124
-1.009 To 2.350 %
Max
Ratio
Min
Ratio
TENDL Threshold 6.4175 MeV
JEFF3.3 Threshold 6.4167 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.00
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
62
Incident Energy (eV)
52-Te-124

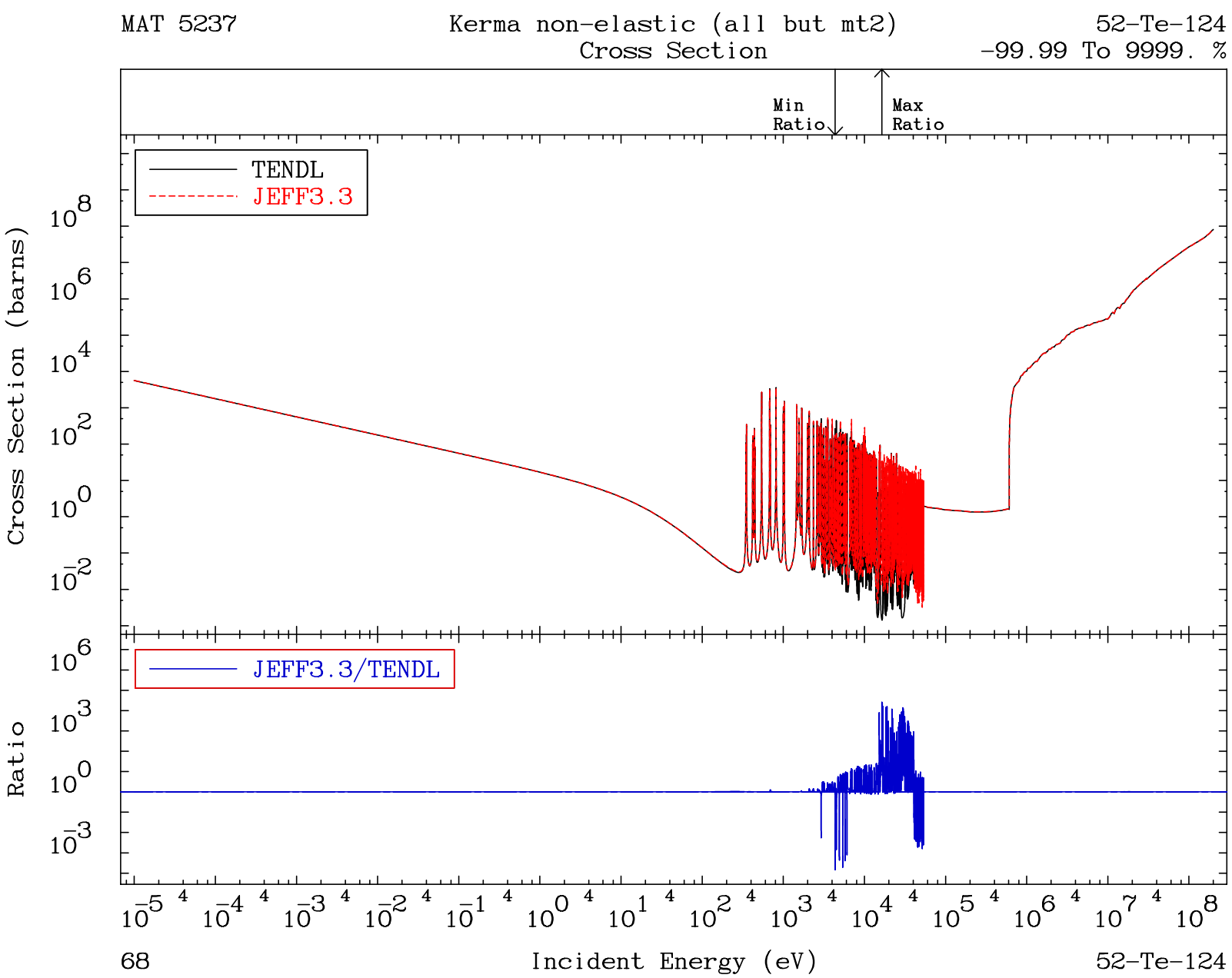

MAT 5237
Tritium Production
Cross Section
52-Te-124
-5.288 To 7.640 %
Min Ratio
Max Ratio
TENDL Threshold 9.1423 MeV
JEFF3.3 Threshold 9.1440 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
0.95
9
2
3
4
5
6
7
8
9
2
10^7
10^8
63
Incident Energy (eV)
52-Te-124

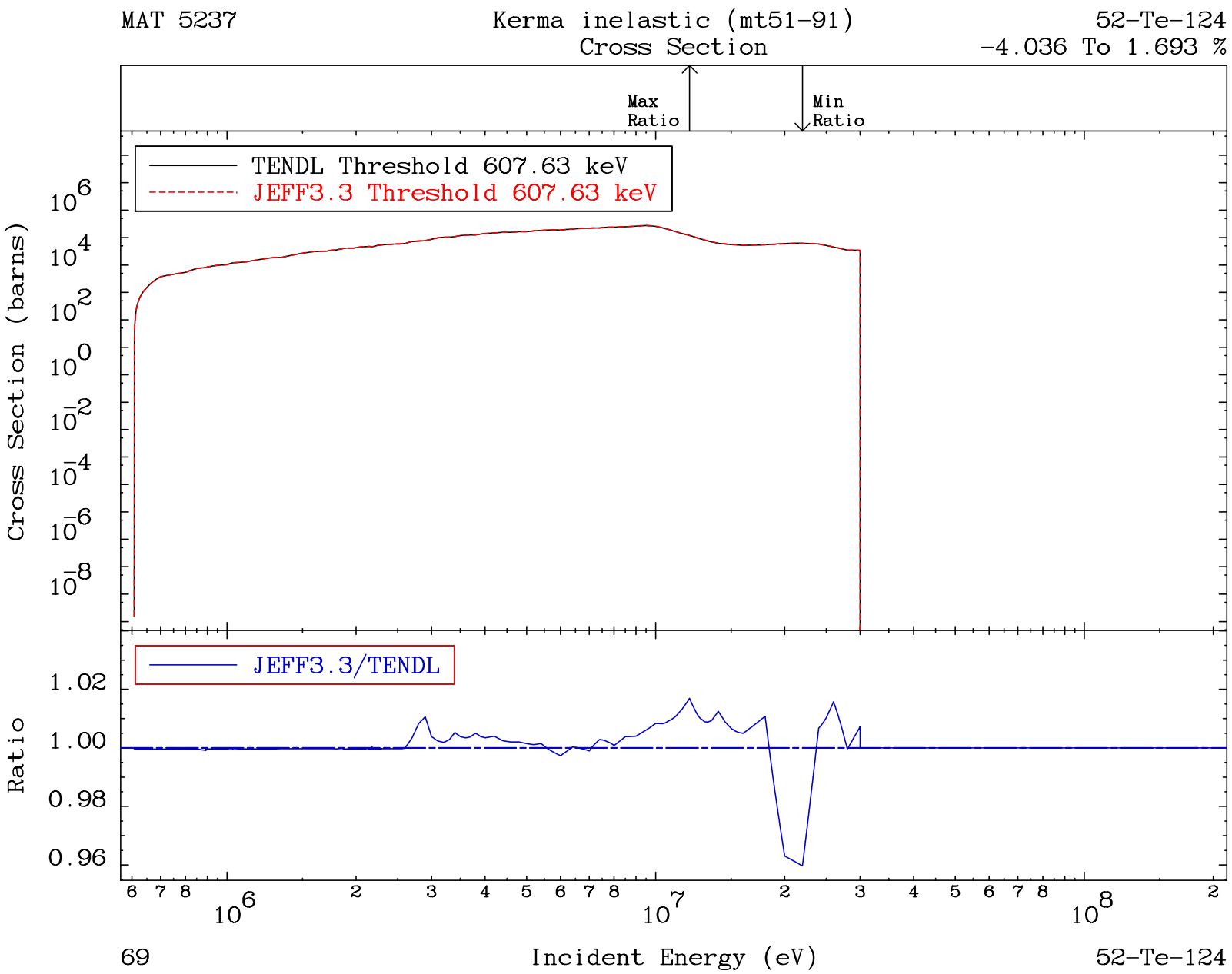

MAT 5237
He-3 Production
Cross Section
52-Te-124
0.000 To 2.251 %
Max Ratio
Min Ratio
TENDL Threshold 7.5045 MeV
JEFF3.3 Threshold 7.5045 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
52-Te-124

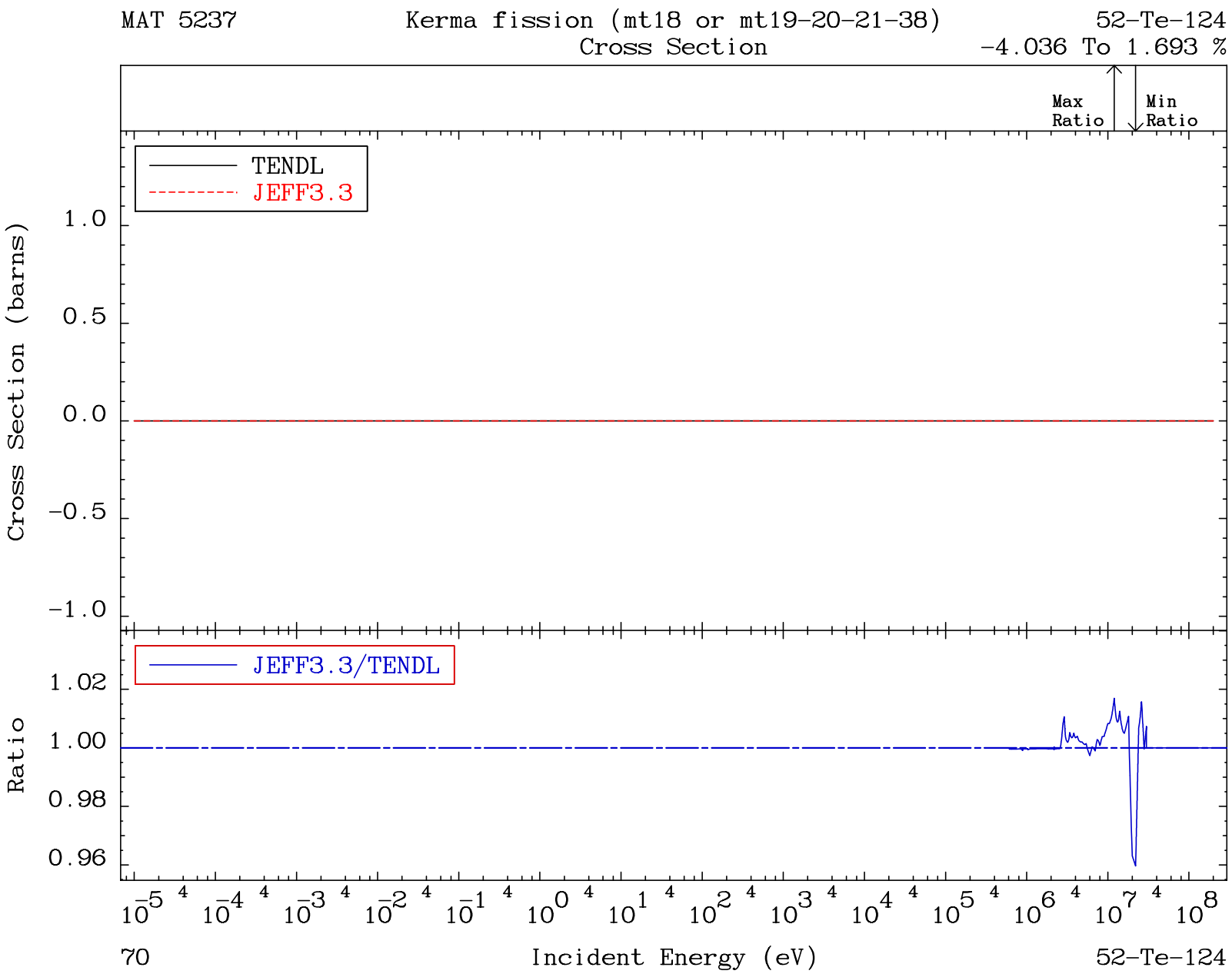

MAT 5237
He-4 Production
Cross Section
52-Te-124
3.299 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
52-Te-124

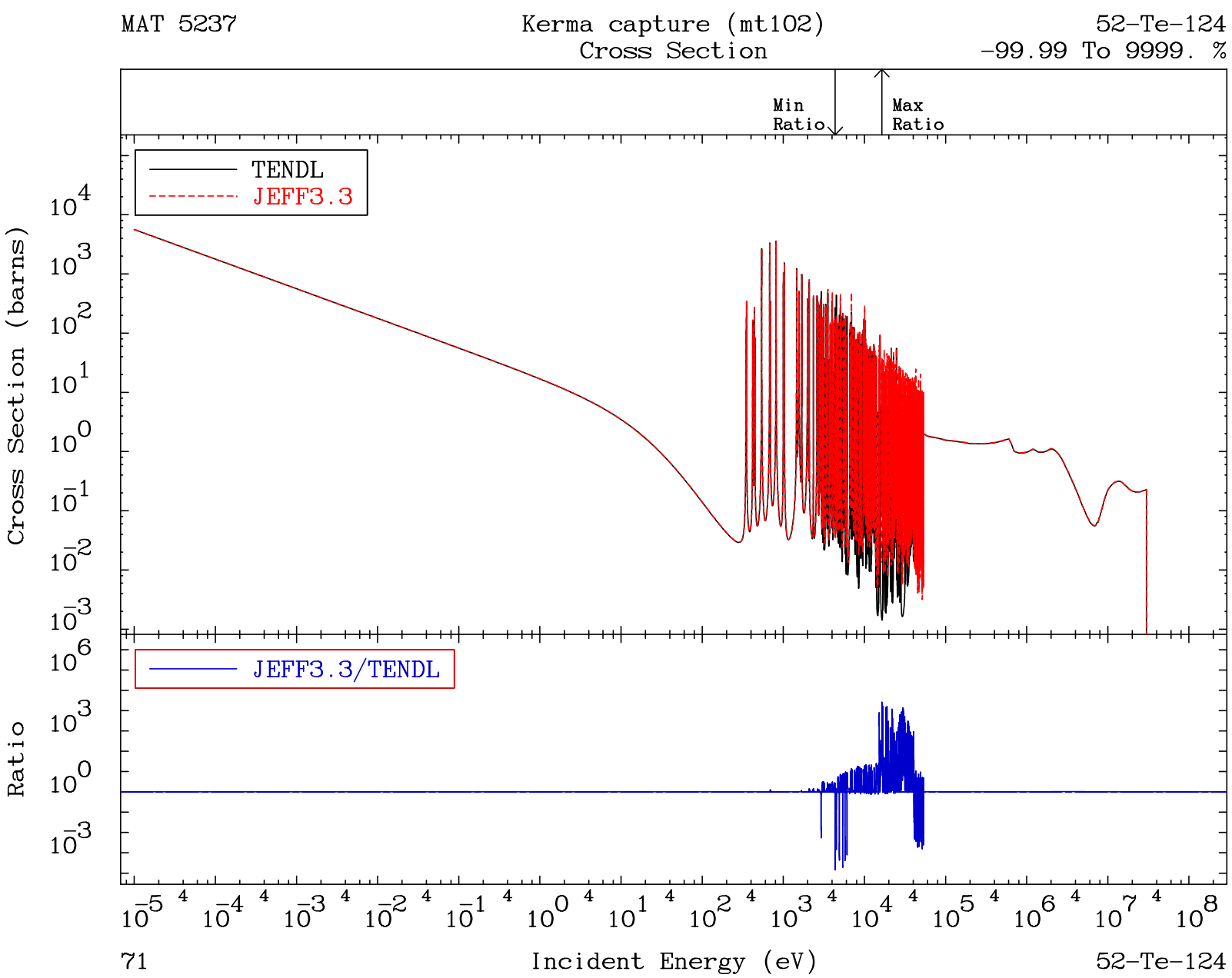

MAT 5237
Kerma total (eV-barns)
Cross Section
52-Te-124
-97.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
52-Te-124

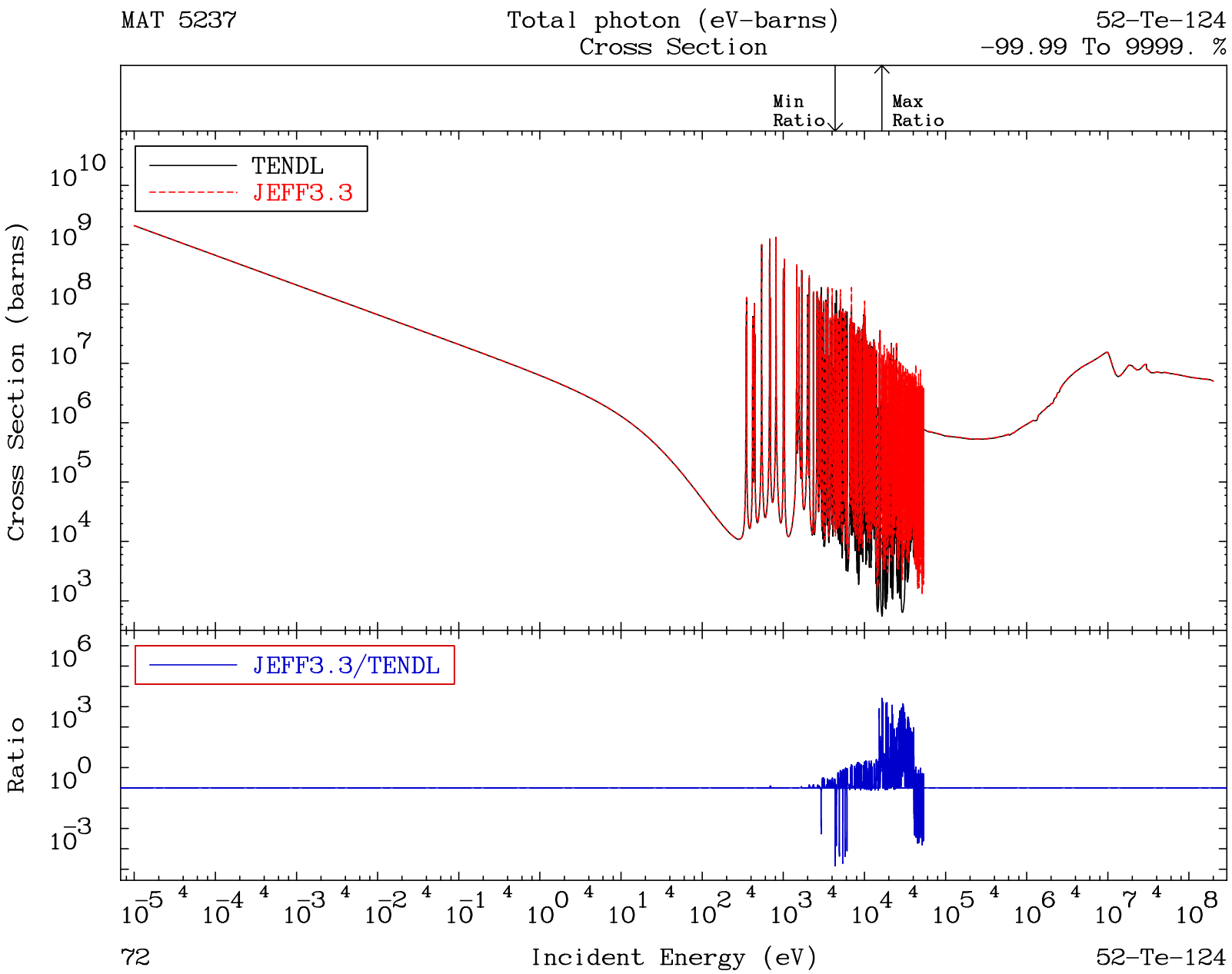

MAT 5237
Kerma elastic
Cross Section
52-Te-124
-98.04 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
52-Te-124

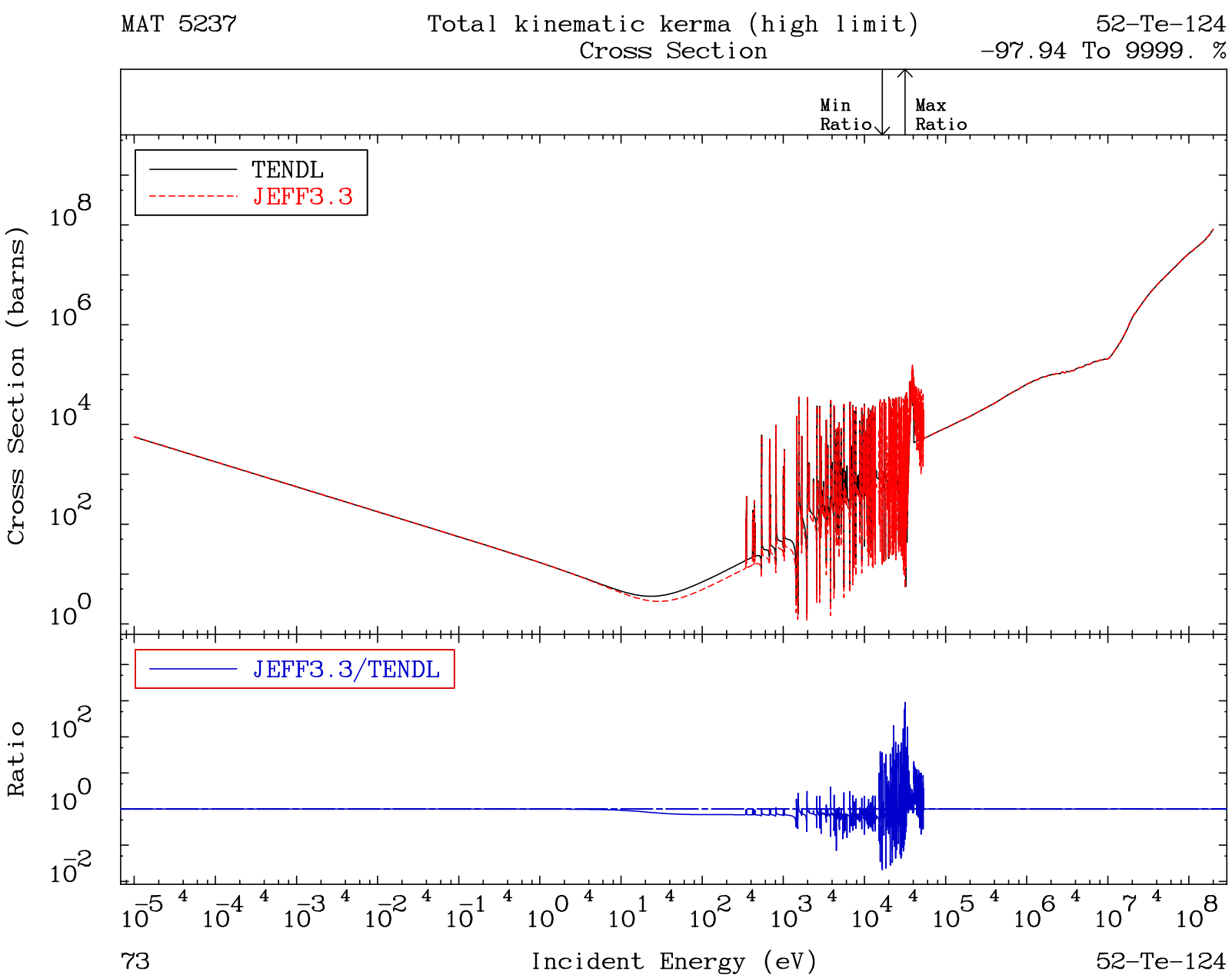

MAT 5237
Kerma non-elastic (all but mt2)
Cross Section
52-Te-124
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
52-Te-124

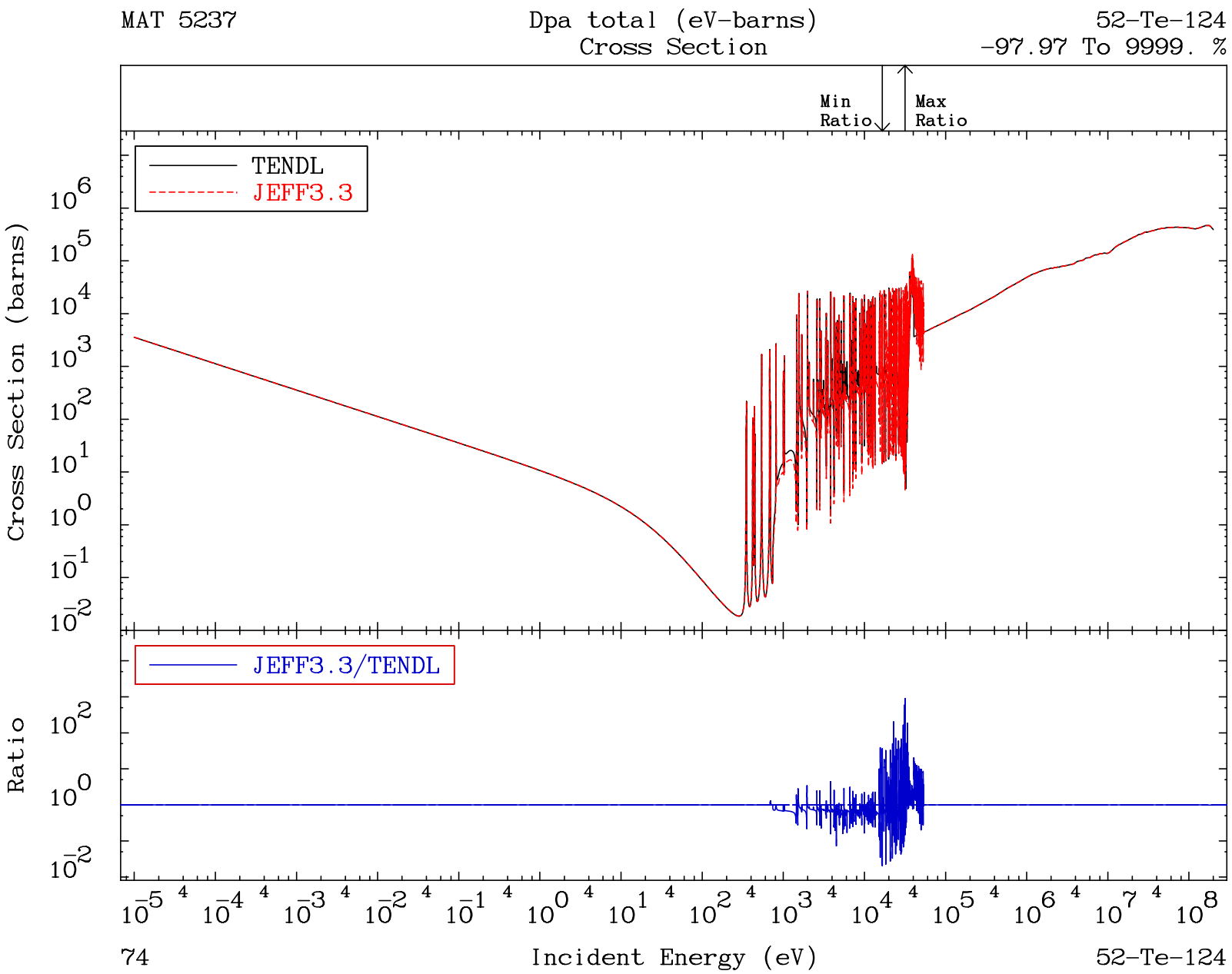

MAT 5237
Kerma inelastic (mt51-91)
Cross Section
52-Te-124
-4.036 To 1.693 %
Max Ratio
Min Ratio
TENDL Threshold 607.63 keV
JEFF3.3 Threshold 607.63 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
52-Te-124

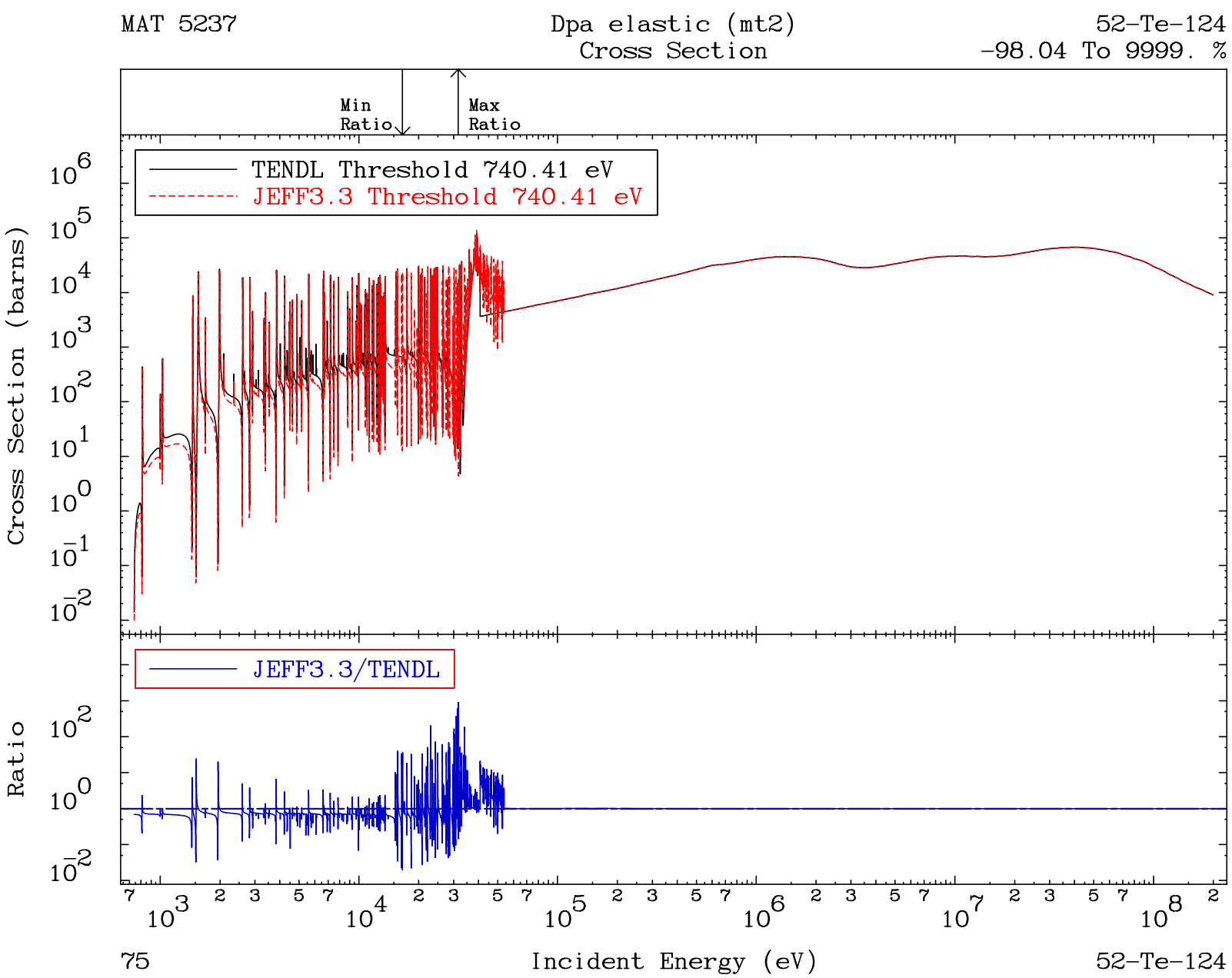

MAT 5237
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
52-Te-124
-4.036 To 1.693 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.02
1.00
0.98
0.96
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
70
Incident Energy (eV)
52-Te-124

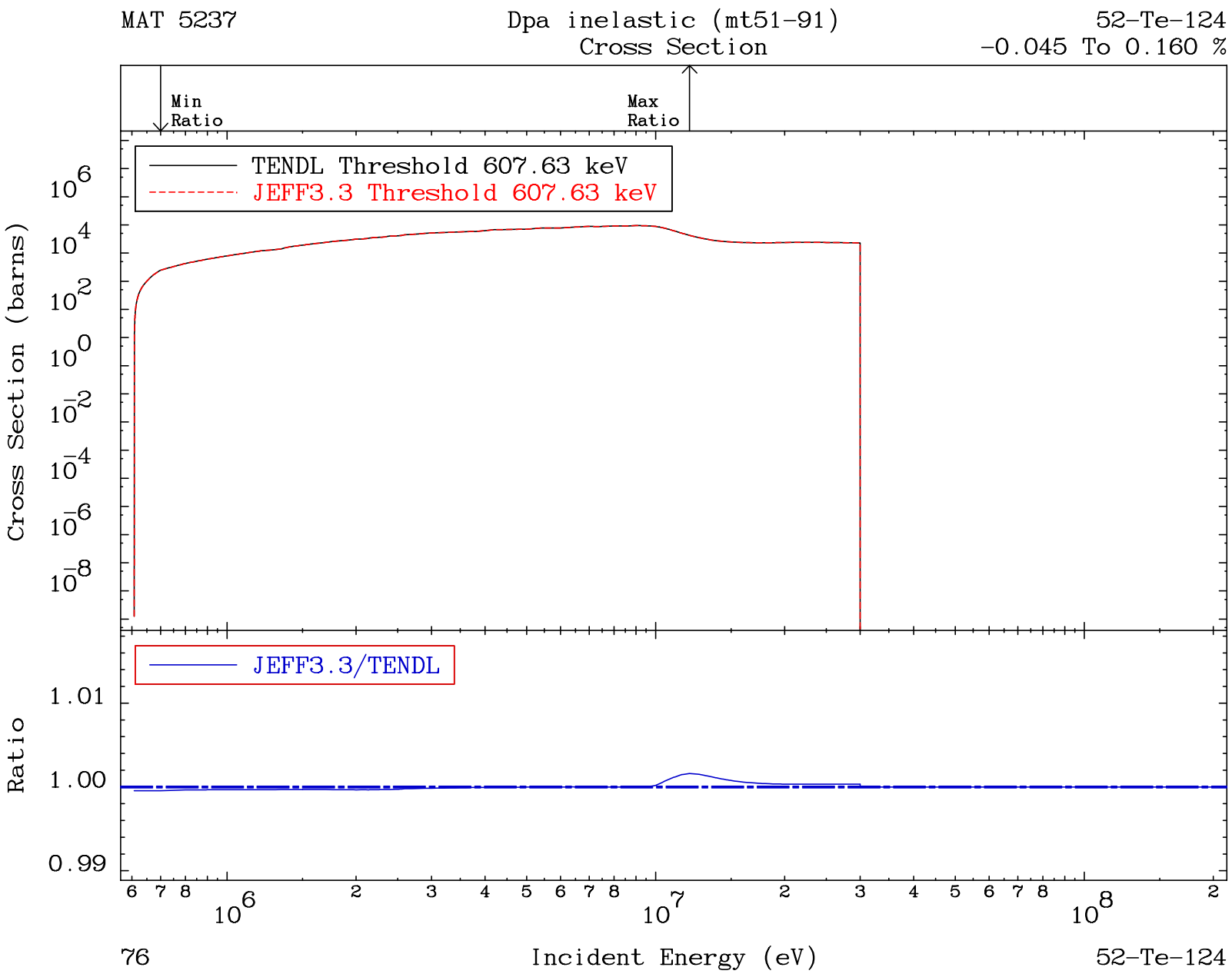

MAT 5237
Kerma capture (mt102)
Cross Section
52-Te-124
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
52-Te-124

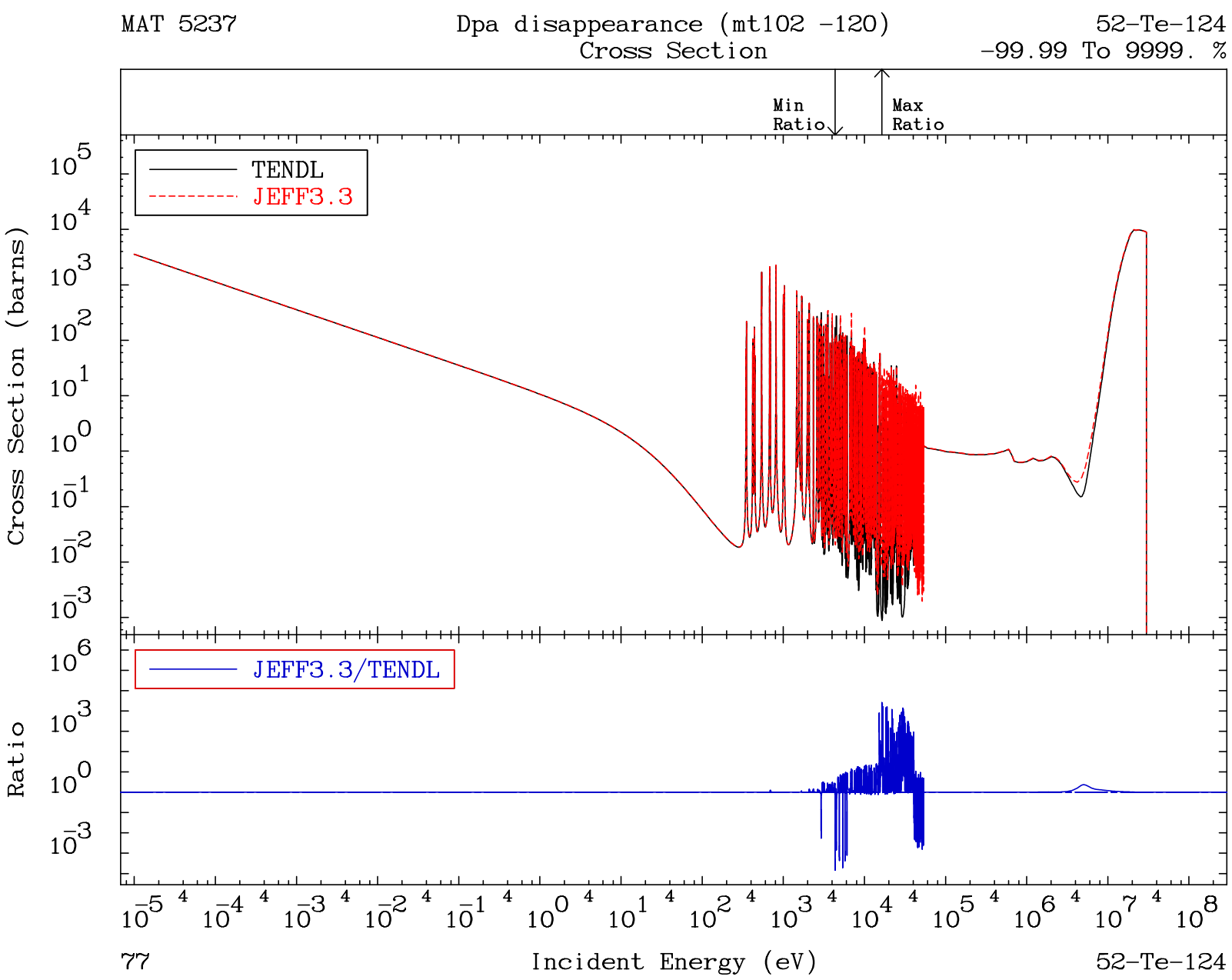

MAT 5237
Total photon (eV-barns)
Cross Section
52-Te-124
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
52-Te-124

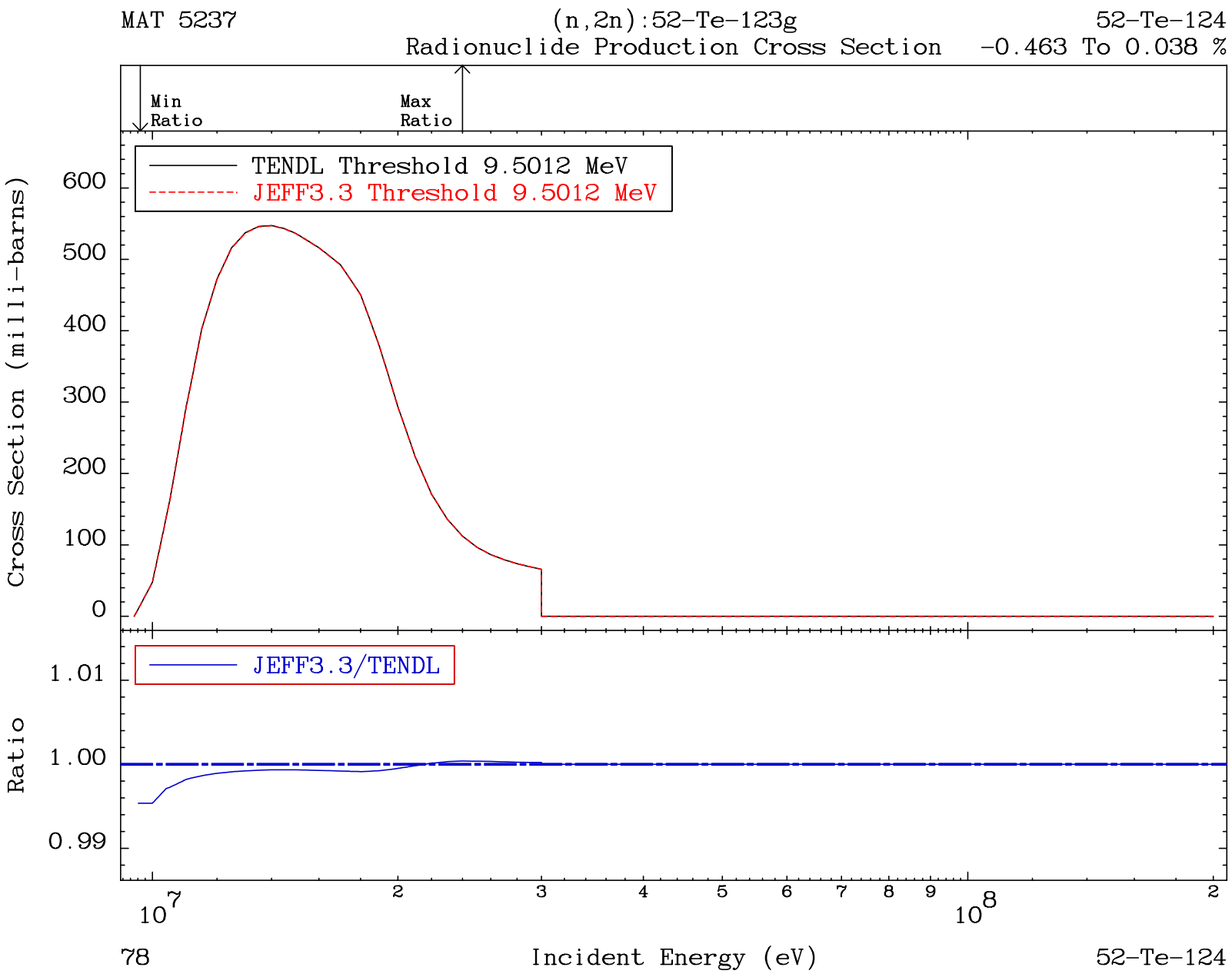

MAT 5237
Total kinematic kerma (high limit)
Cross Section
52-Te-124
-97.94 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
52-Te-124

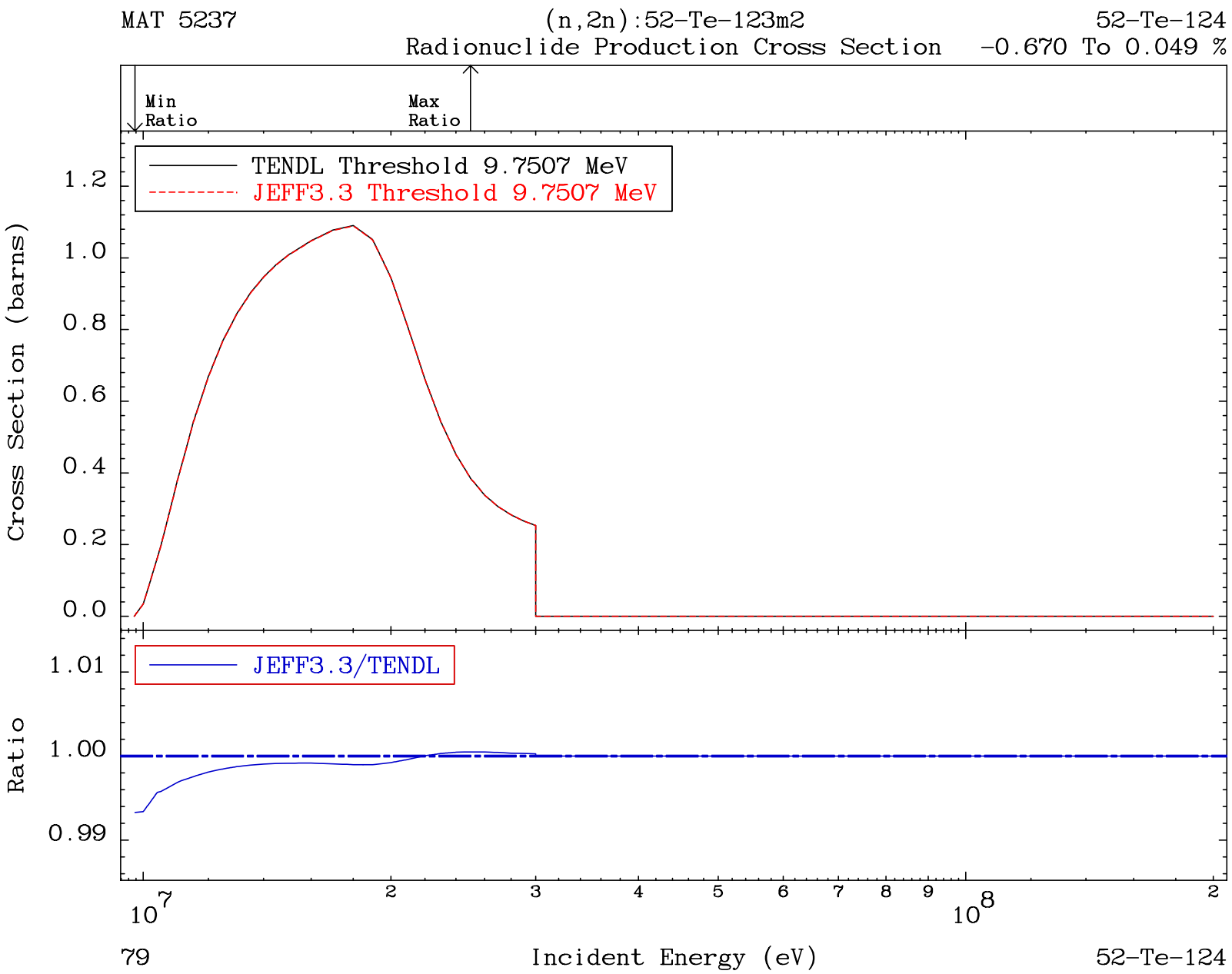

MAT 5237
Dpa total (eV-barns)
Cross Section
52-Te-124
-97.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
52-Te-124

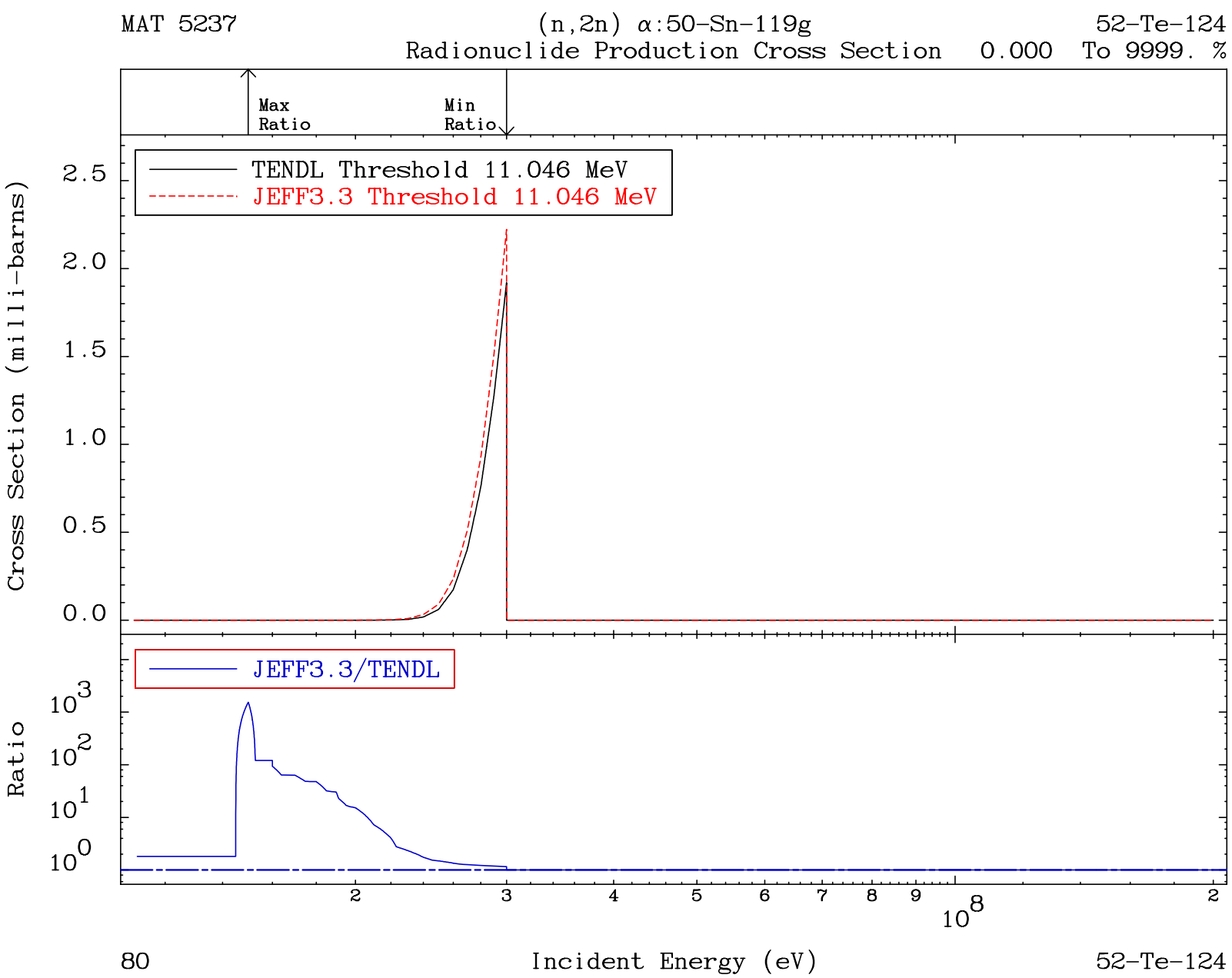

MAT 5237
Dpa elastic (mt2)
Cross Section
52-Te-124
-98.04 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 740.41 eV
JEFF3.3 Threshold 740.41 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
52-Te-124

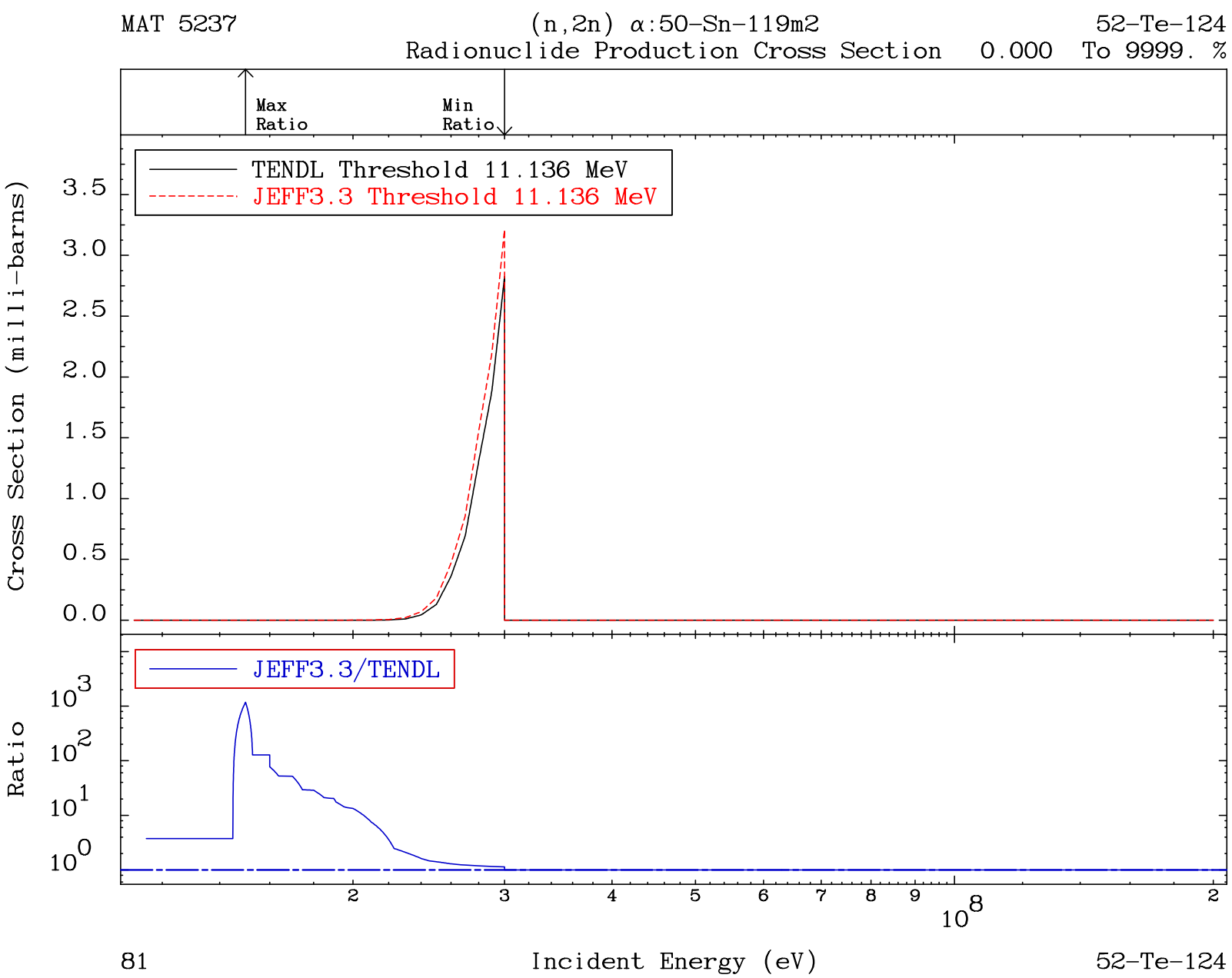

MAT 5237
Dpa inelastic (mt51-91)
Cross Section
52-Te-124
-0.045 To 0.160 %
Min Ratio
Max Ratio
TENDL Threshold 607.63 keV
JEFF3.3 Threshold 607.63 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
52-Te-124

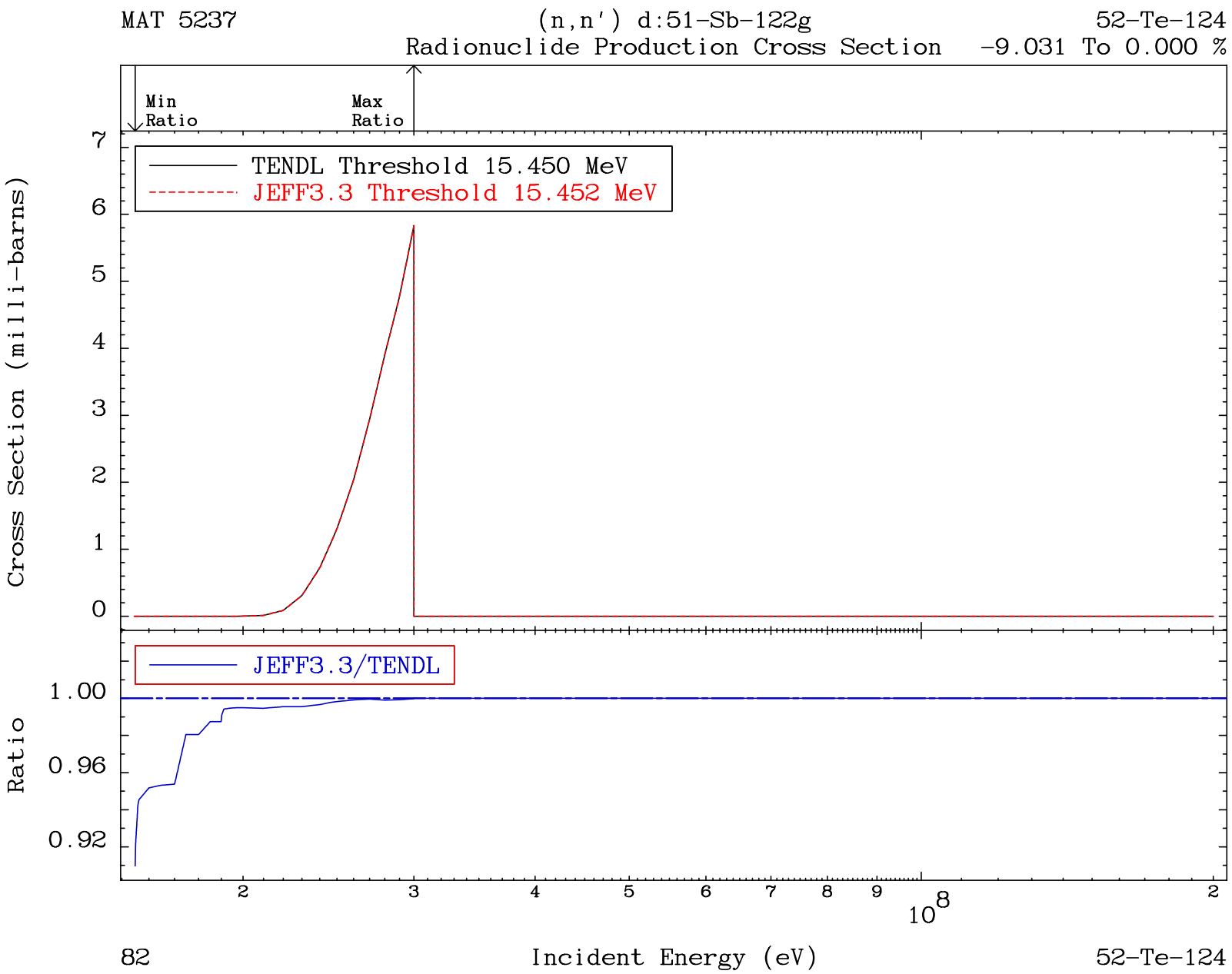

MAT 5237
Dpa disappearance (mt102 -120)
Cross Section
52-Te-124
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
52-Te-124

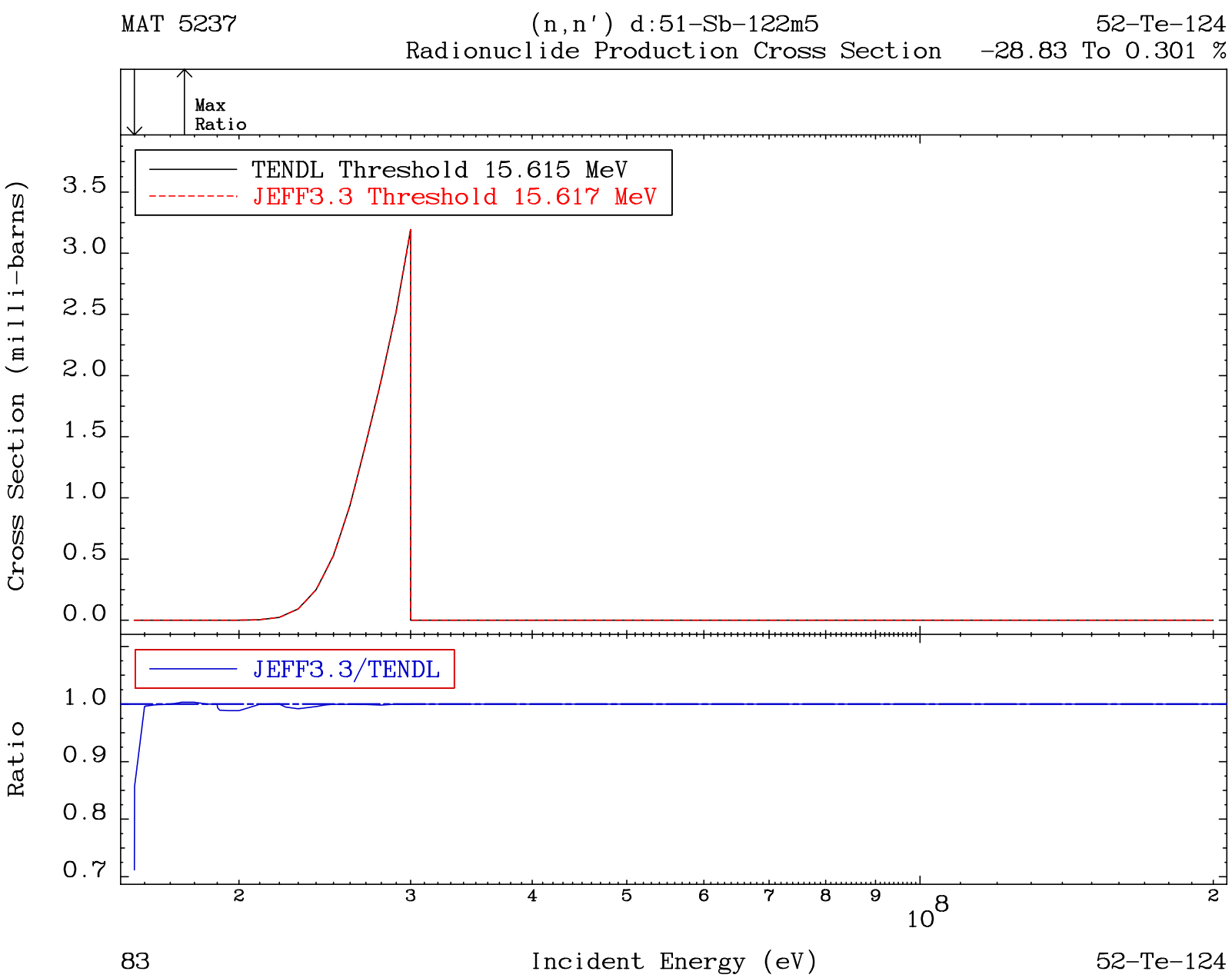

MAT 5237
(n,2n):52-Te-123g
52-Te-124
Radionuclide Production Cross Section
-0.463 To 0.038 %
Min Ratio
Max Ratio
TENDL Threshold 9.5012 MeV
JEFF3.3 Threshold 9.5012 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^7
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
52-Te-124

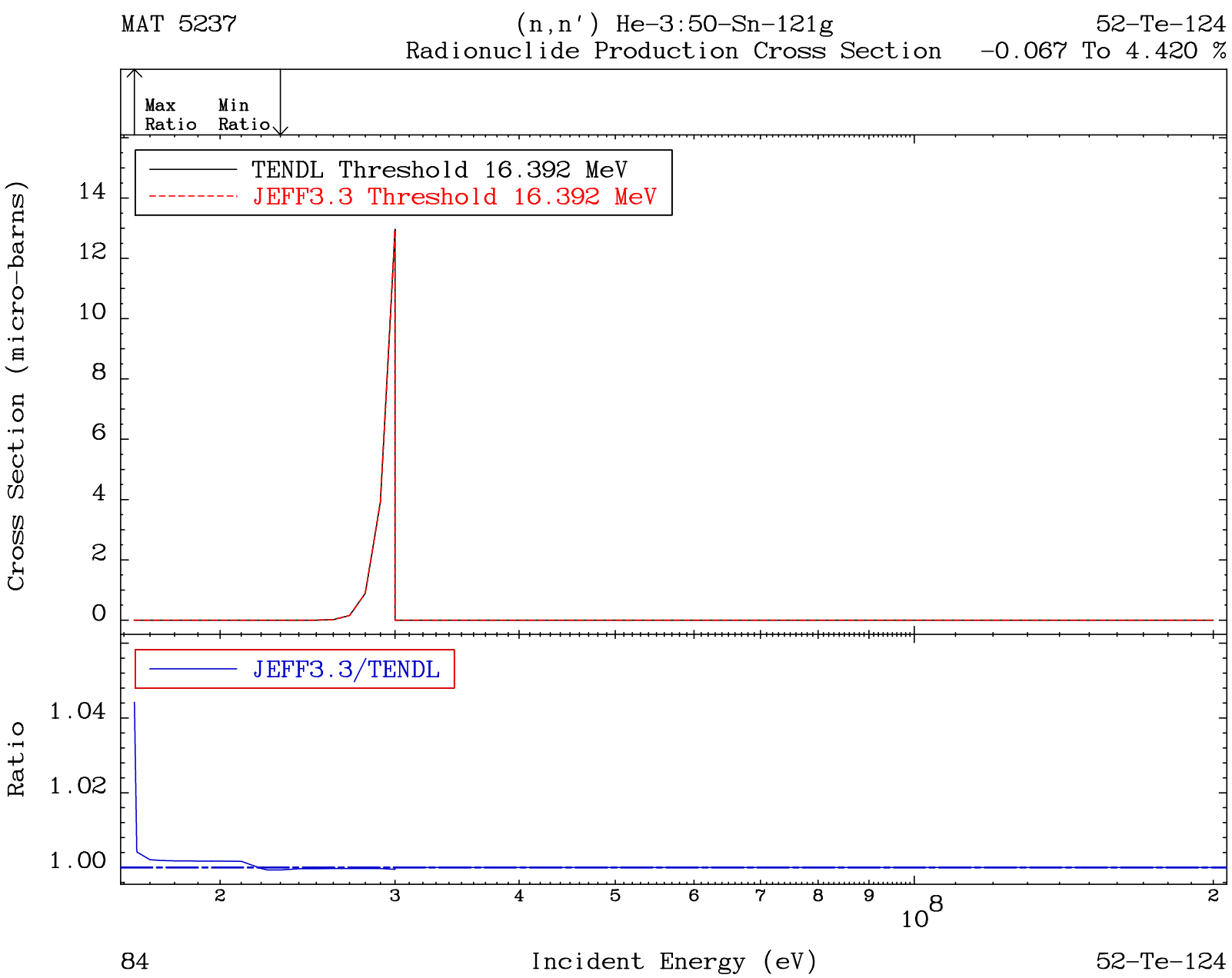

MAT 5237
(n,2n):52-Te-123m2
52-Te-124
Radionuclide Production Cross Section
-0.670 To 0.049 %
Min Ratio
Max Ratio
TENDL Threshold 9.7507 MeV
JEFF3.3 Threshold 9.7507 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^7
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
52-Te-124

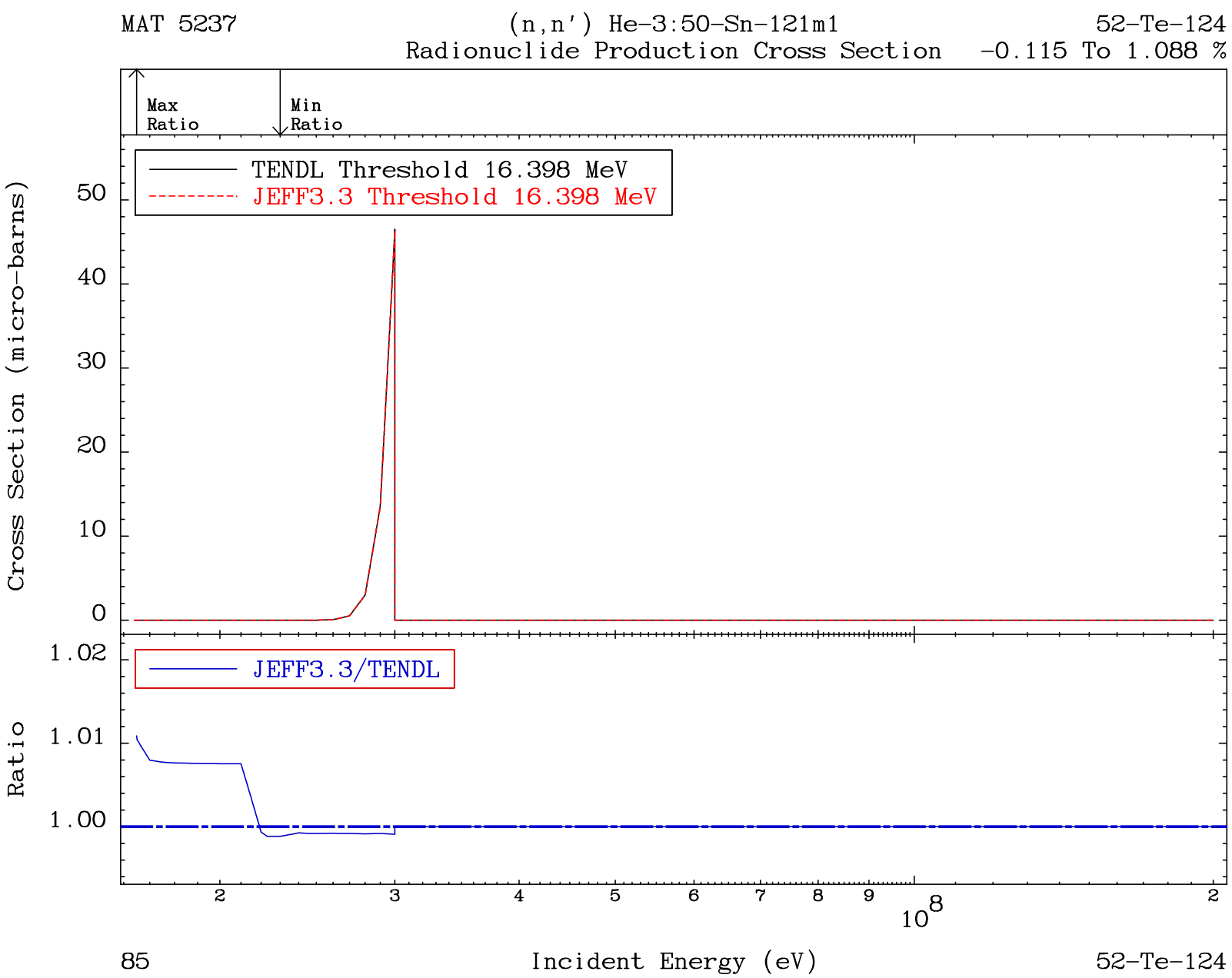

MAT 5237
(n,2n) α:50-Sn-119g
52-Te-124
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.046 MeV
JEFF3.3 Threshold 11.046 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
52-Te-124

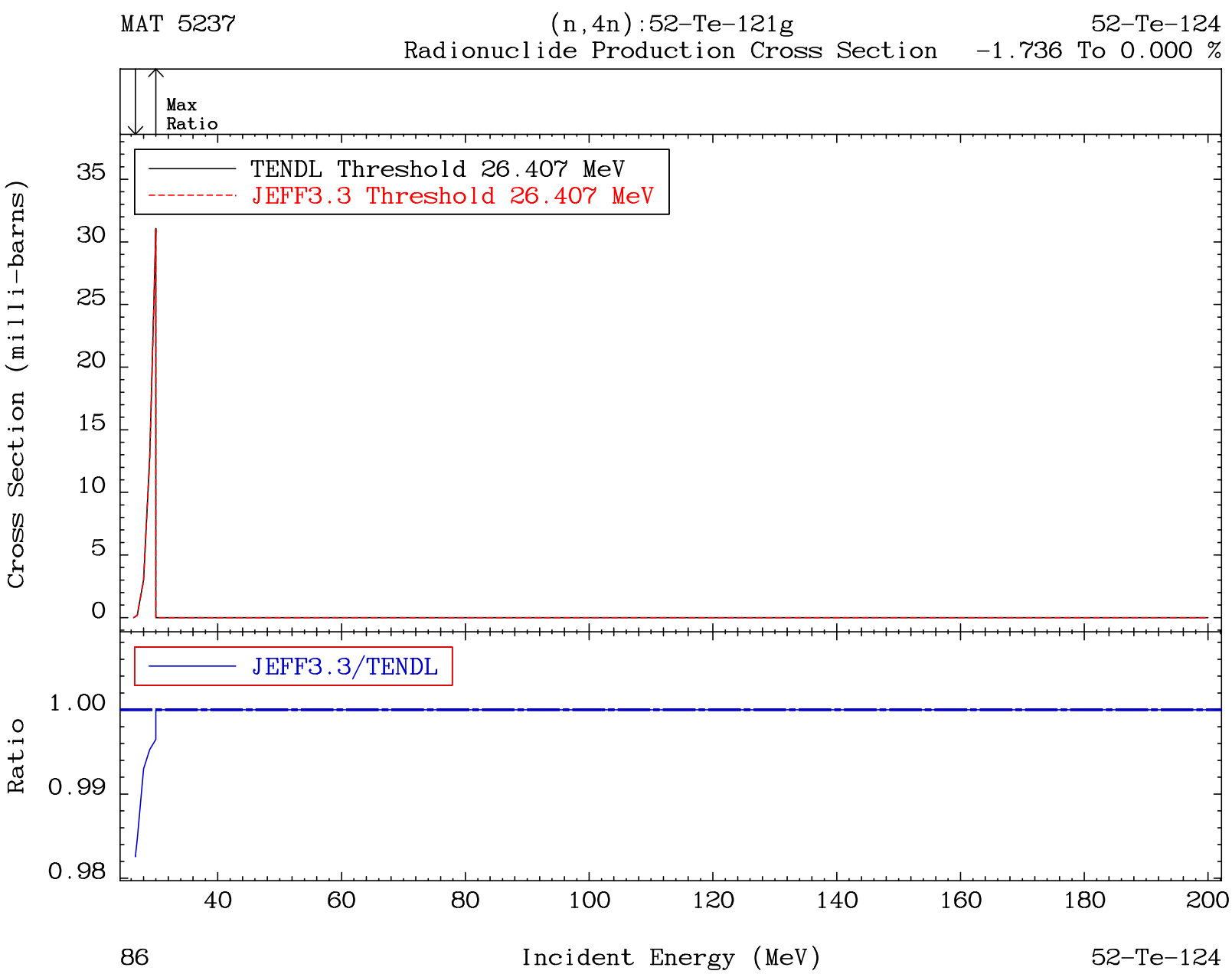

MAT 5237
(n,2n) α:50-Sn-119m2
52-Te-124
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.136 MeV
JEFF3.3 Threshold 11.136 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
52-Te-124

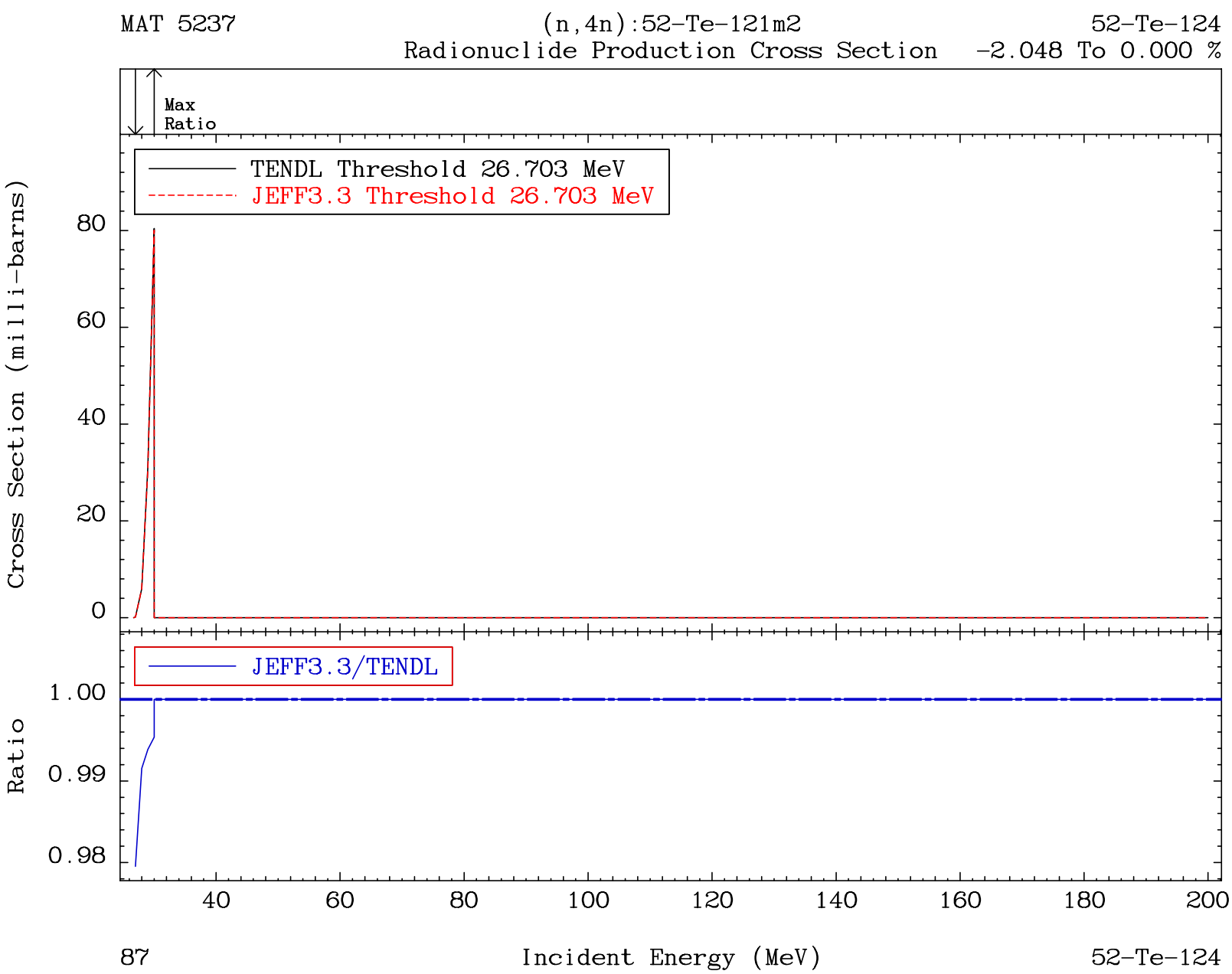

MAT 5237
(n,n') d:51-Sb-122g
52-Te-124
Radionuclide Production Cross Section
-9.031 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.450 MeV
JEFF3.3 Threshold 15.452 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
1.00
0.96
0.92
2
3
4
5
6
7
8
9
2
10^8
82
Incident Energy (eV)
52-Te-124

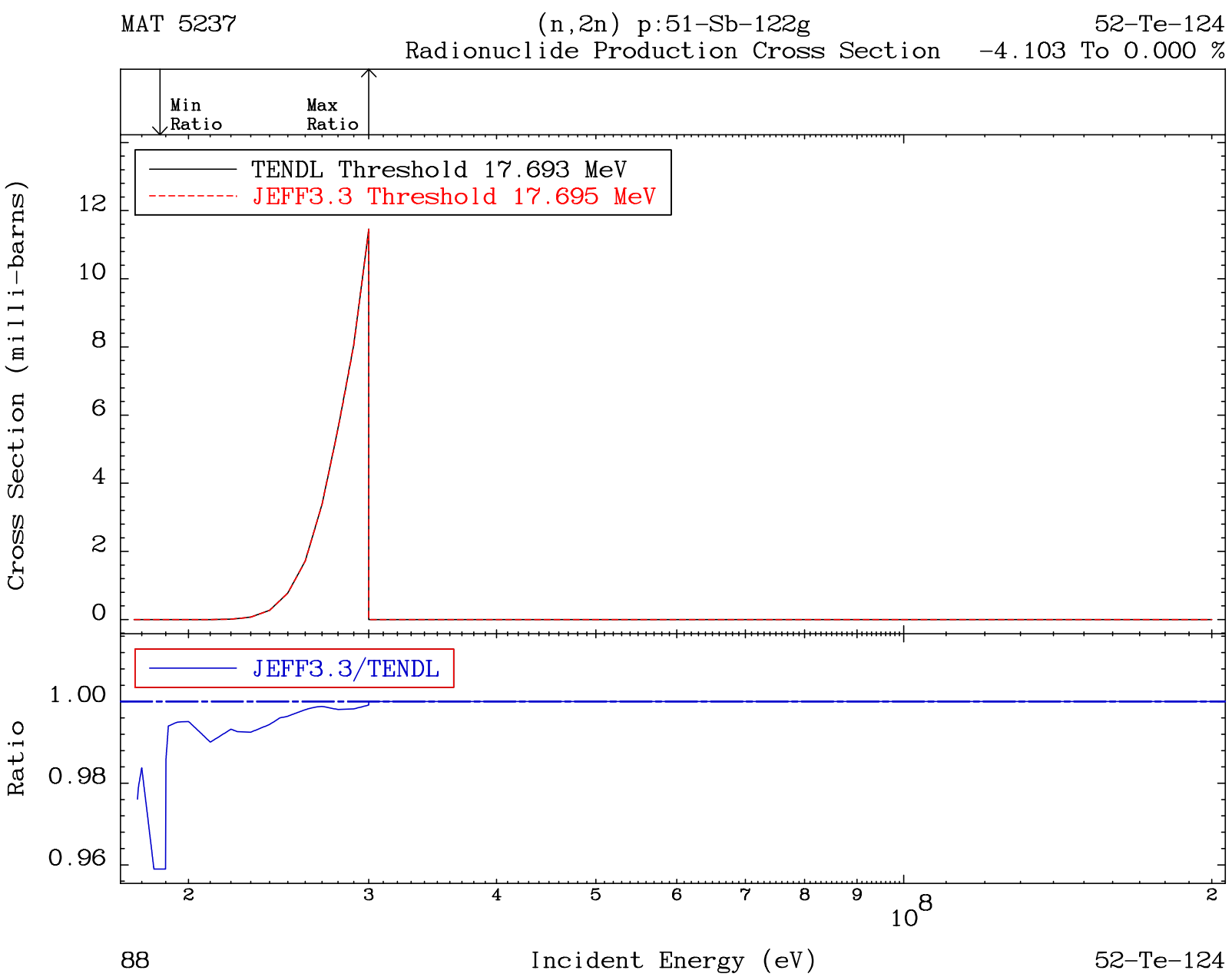

MAT 5237
(n,n') d:51-Sb-122m5
52-Te-124
Radionuclide Production Cross Section
-28.83 To 0.301 %
Max
Ratio
TENDL Threshold 15.615 MeV
JEFF3.3 Threshold 15.617 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.0
0.9
0.8
0.7
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
52-Te-124

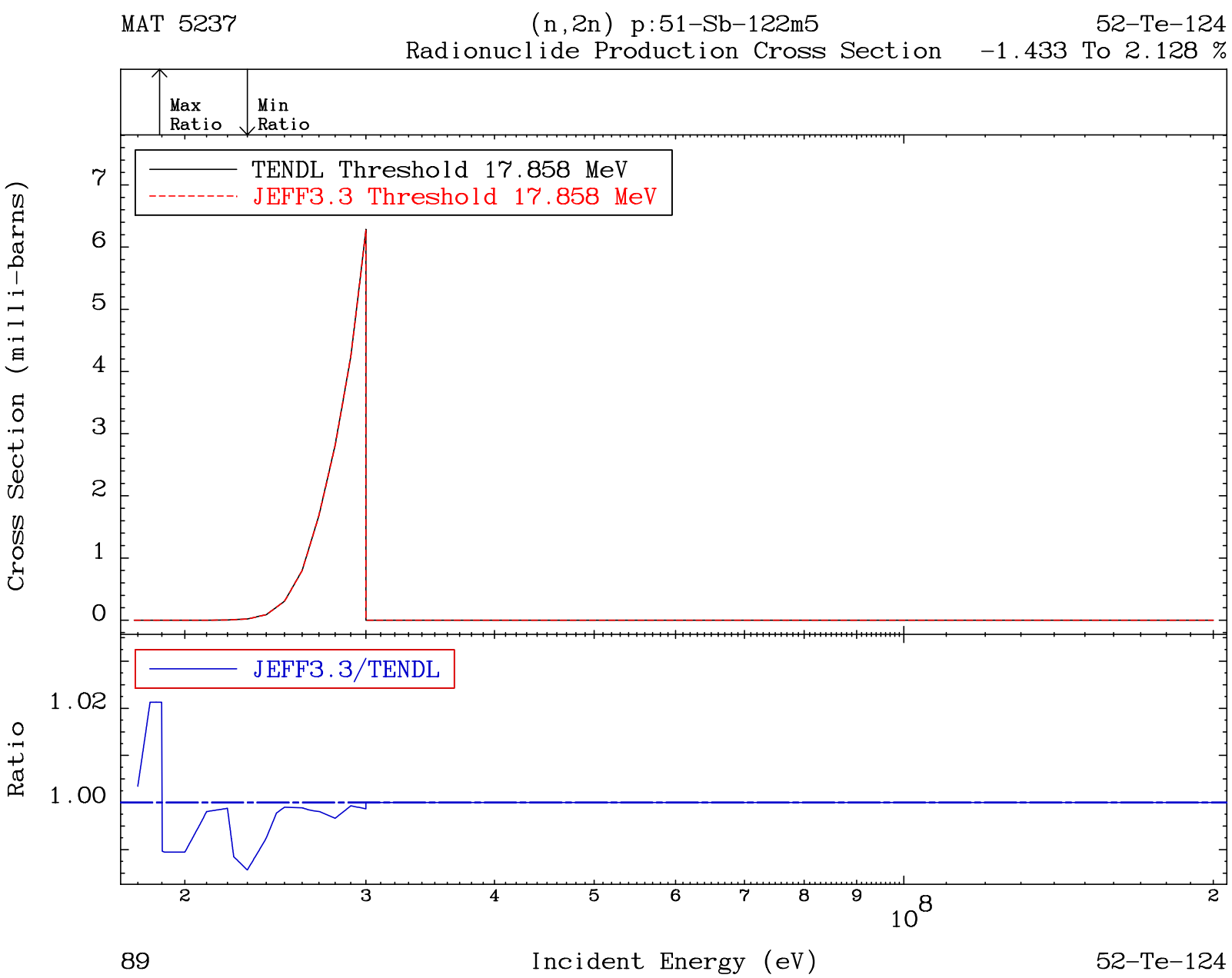

MAT 5237
(n,n') He-3:50-Sn-121g
52-Te-124
Radionuclide Production Cross Section
-0.067 To 4.420 %
Max Ratio
Min Ratio
TENDL Threshold 16.392 MeV
JEFF3.3 Threshold 16.392 MeV
Cross Section (micro-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
52-Te-124

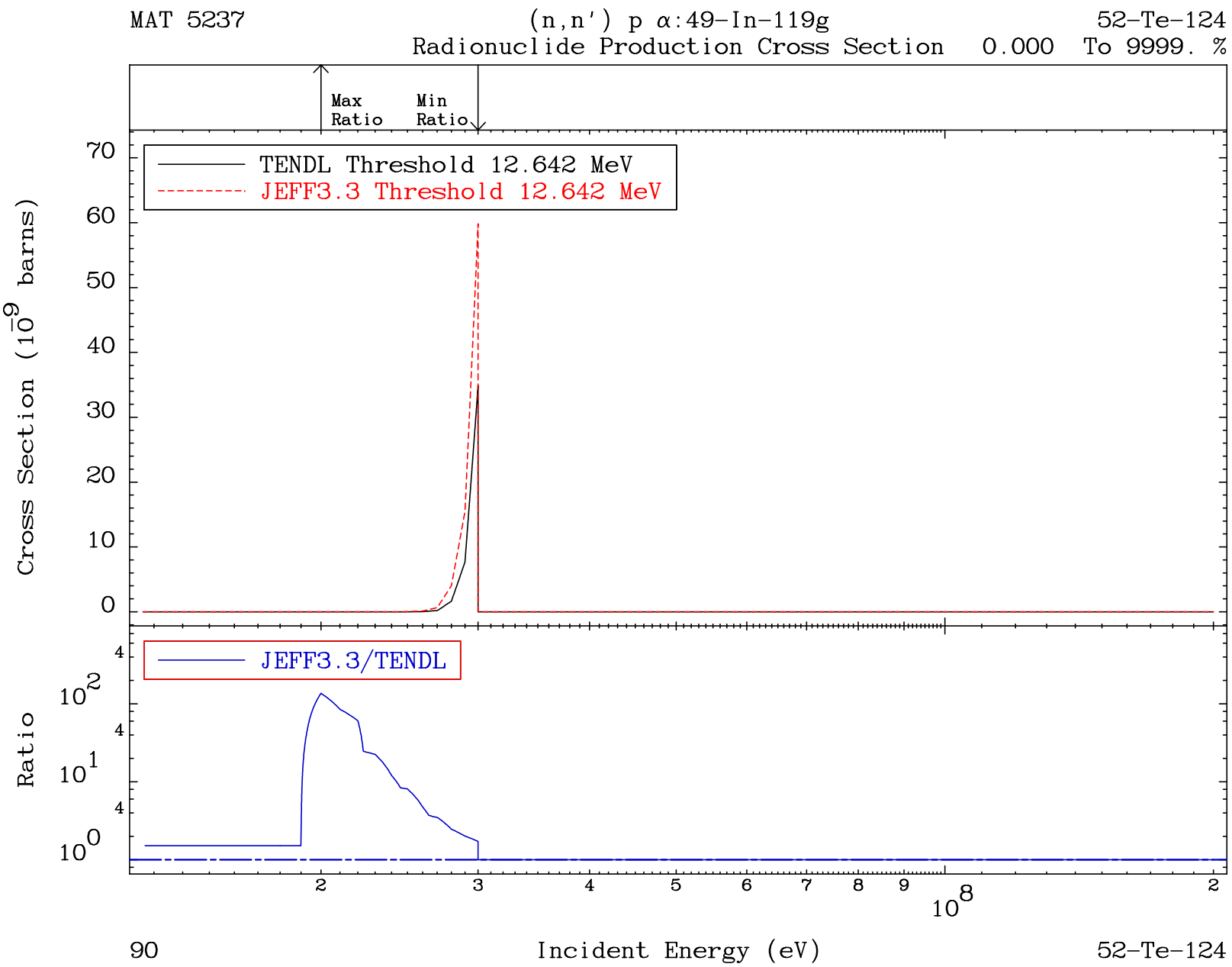

MAT 5237
(n,n') He-3:50-Sn-121m1
52-Te-124
Radionuclide Production Cross Section
-0.115 To 1.088 %
Max Ratio
Min Ratio
TENDL Threshold 16.398 MeV
JEFF3.3 Threshold 16.398 MeV
Cross Section (micro-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
52-Te-124

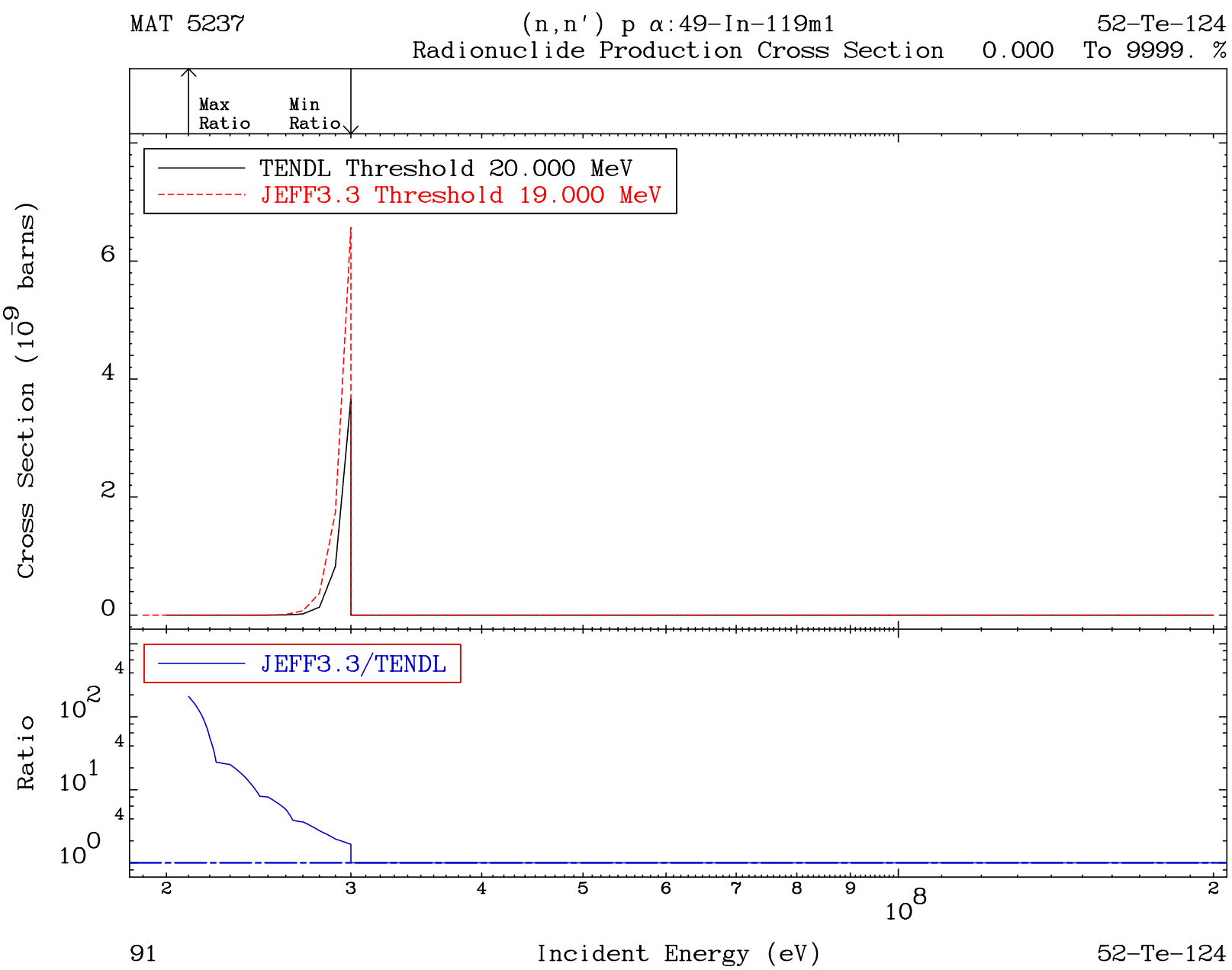

MAT 5237
(n,4n):52-Te-121g
52-Te-124
Radionuclide Production Cross Section
-1.736 To 0.000 %
Max
Ratio
TENDL Threshold 26.407 MeV
JEFF3.3 Threshold 26.407 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
40
60
80
100
120
140
160
180
200
86
Incident Energy (MeV)
52-Te-124

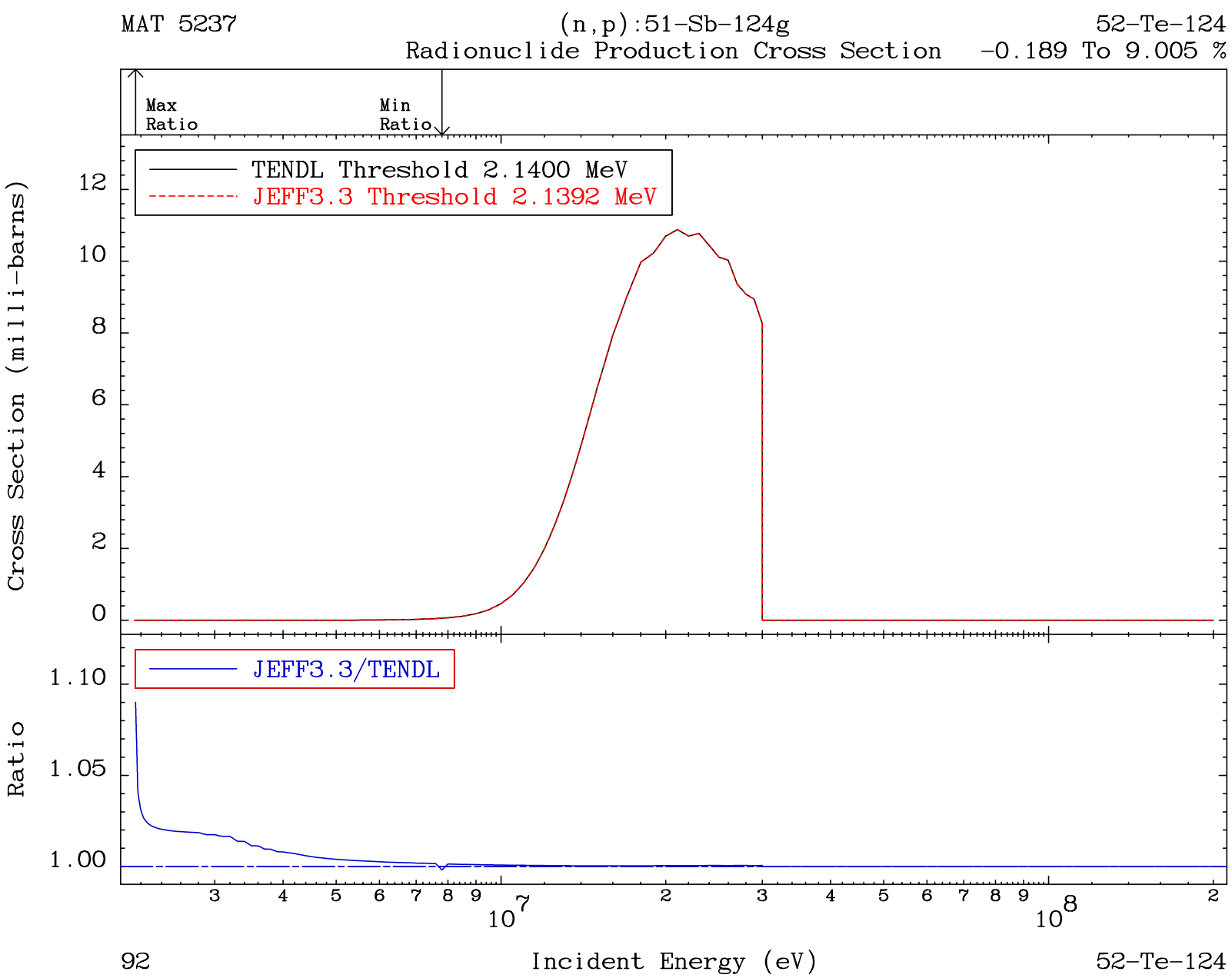

MAT 5237
(n,4n):52-Te-121m2
52-Te-124
Radionuclide Production Cross Section
-2.048 To 0.000 %
Max
Ratio
TENDL Threshold 26.703 MeV
JEFF3.3 Threshold 26.703 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
52-Te-124

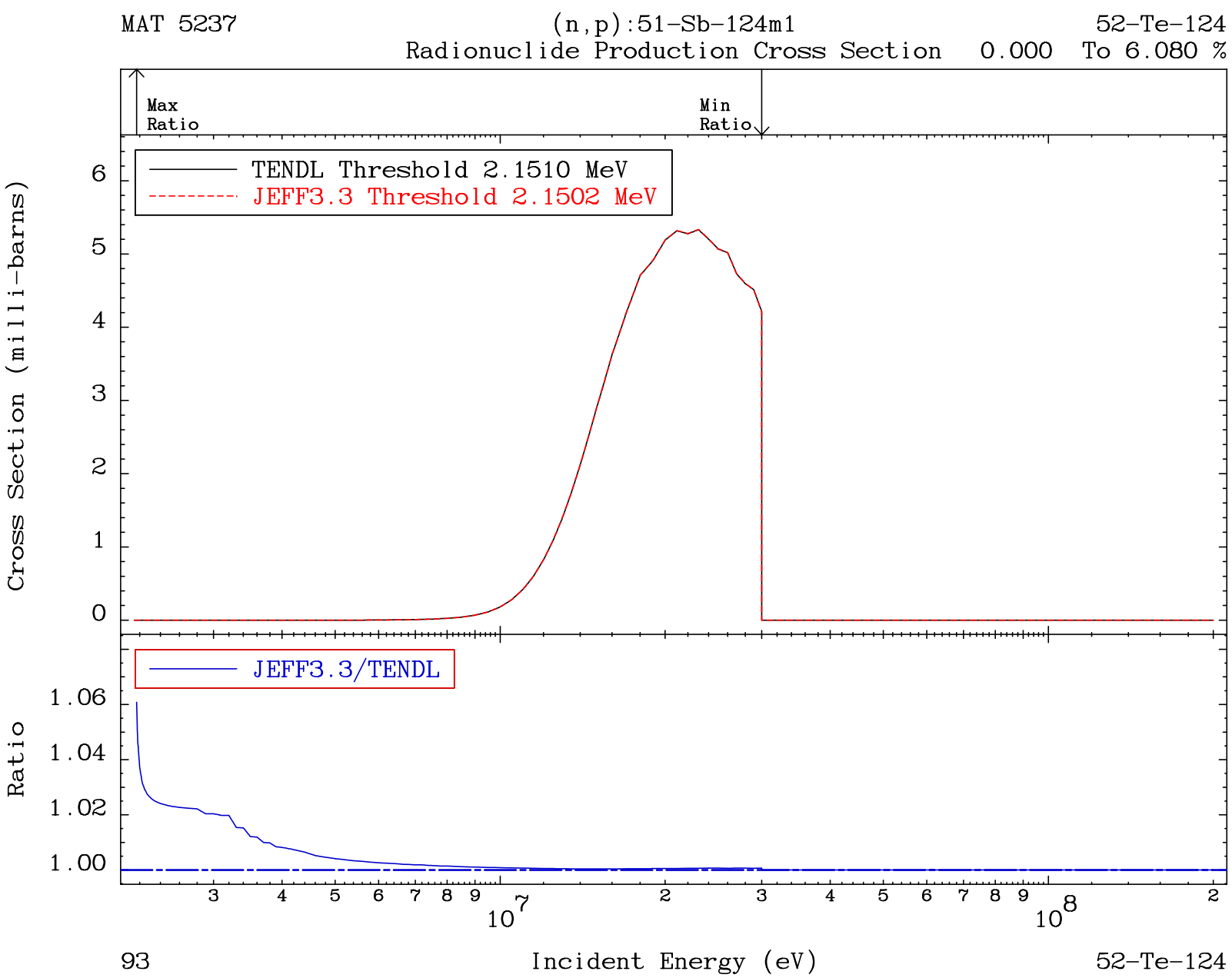

MAT 5237
(n,2n) p:51-Sb-122g
52-Te-124
Radionuclide Production Cross Section
-4.103 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.693 MeV
JEFF3.3 Threshold 17.695 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
JEFF3.3/TENDL
Ratio
0.96
0.98
1.00
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
52-Te-124

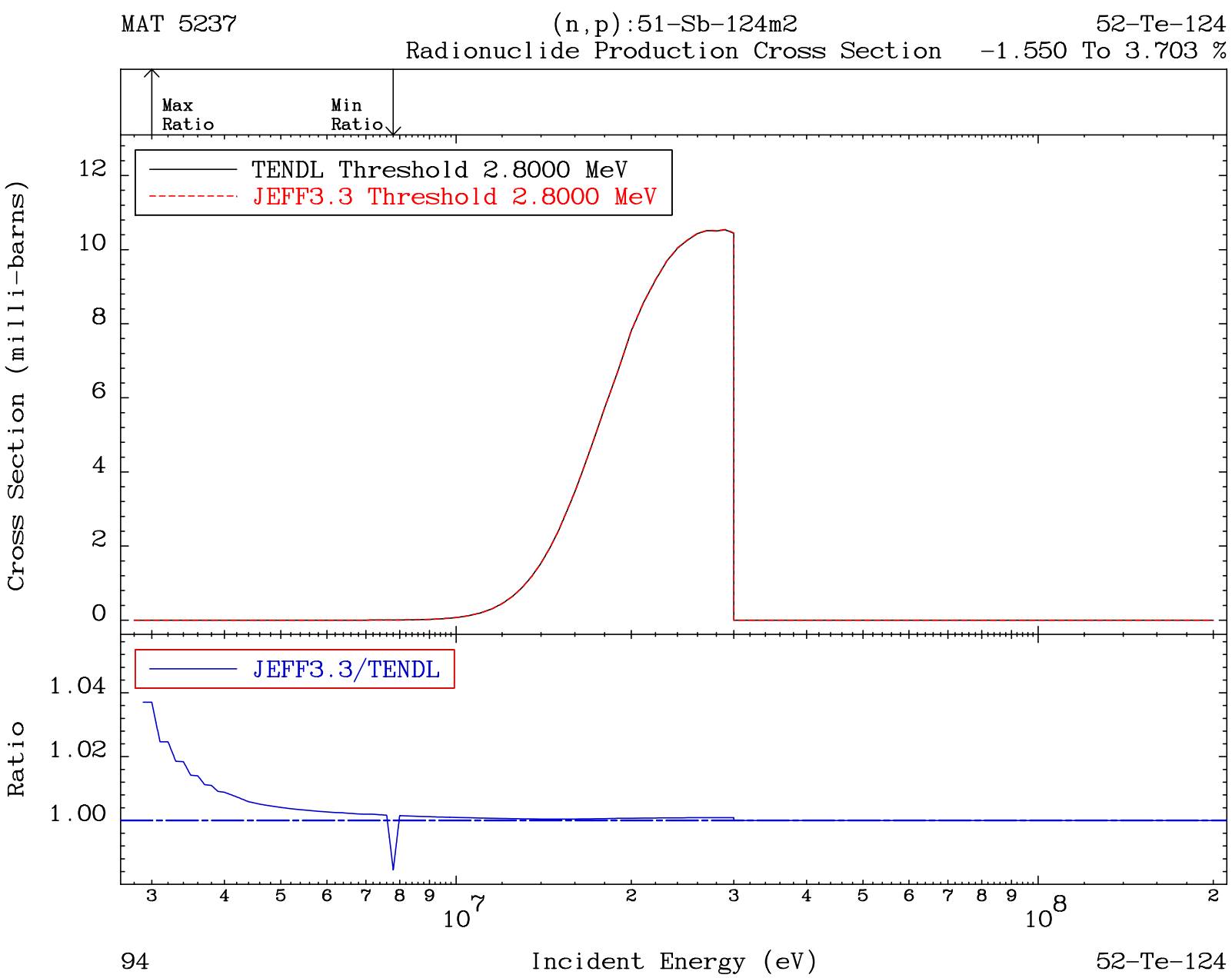

MAT 5237
(n,2n) p:51-Sb-122m5
52-Te-124
Radionuclide Production Cross Section
-1.433 To 2.128 %
Max Ratio
Min Ratio
TENDL Threshold 17.858 MeV
JEFF3.3 Threshold 17.858 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
1.00
1.02
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
52-Te-124

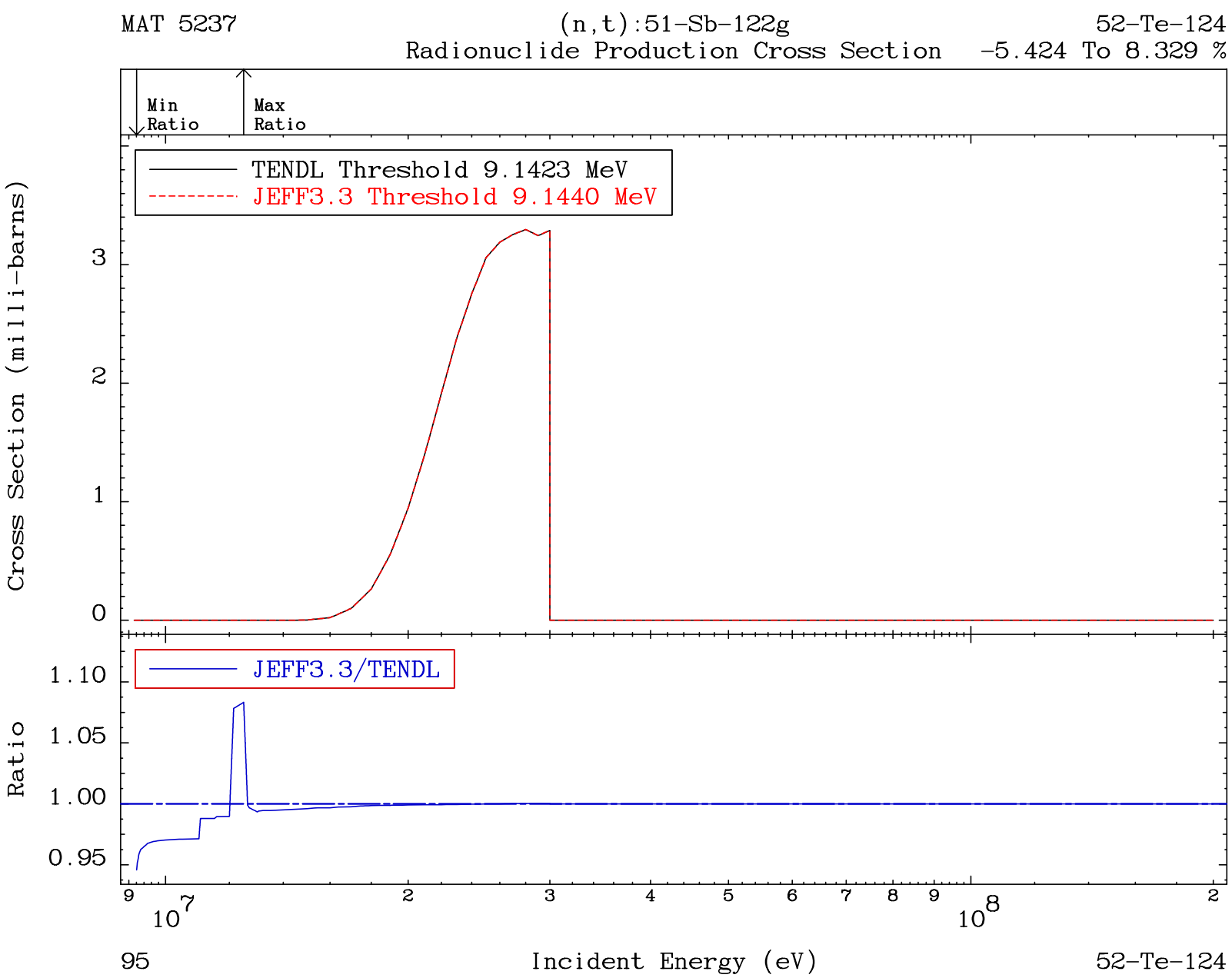

MAT 5237
(n,n') p α:49-In-119g
52-Te-124
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.642 MeV
JEFF3.3 Threshold 12.642 MeV
Cross Section (10^{-9} barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{1}
10^{0}
2
3
4
5
6
7
8
9
10^{8}
2
90
Incident Energy (eV)
52-Te-124

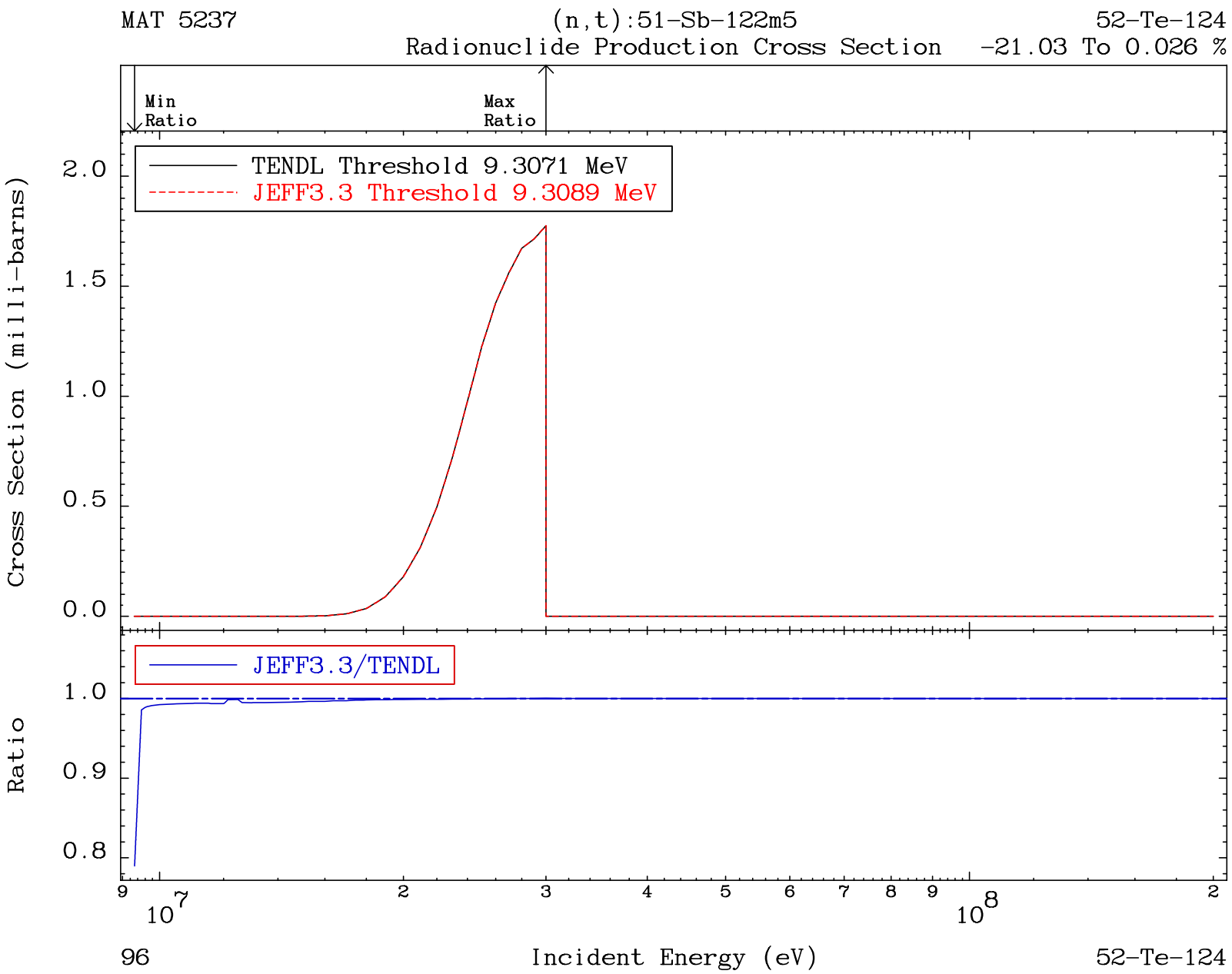

MAT 5237
(n,n') p α:49-In-119m1
52-Te-124
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 20.000 MeV
JEFF3.3 Threshold 19.000 MeV
Cross Section (10^{-9} barns)
0
2
4
6
JEFF3.3/TENDL
Ratio
10^{0}
10^{1}
10^{2}
2
3
4
5
6
7
8
9
10^{8}
2
91
Incident Energy (eV)
52-Te-124

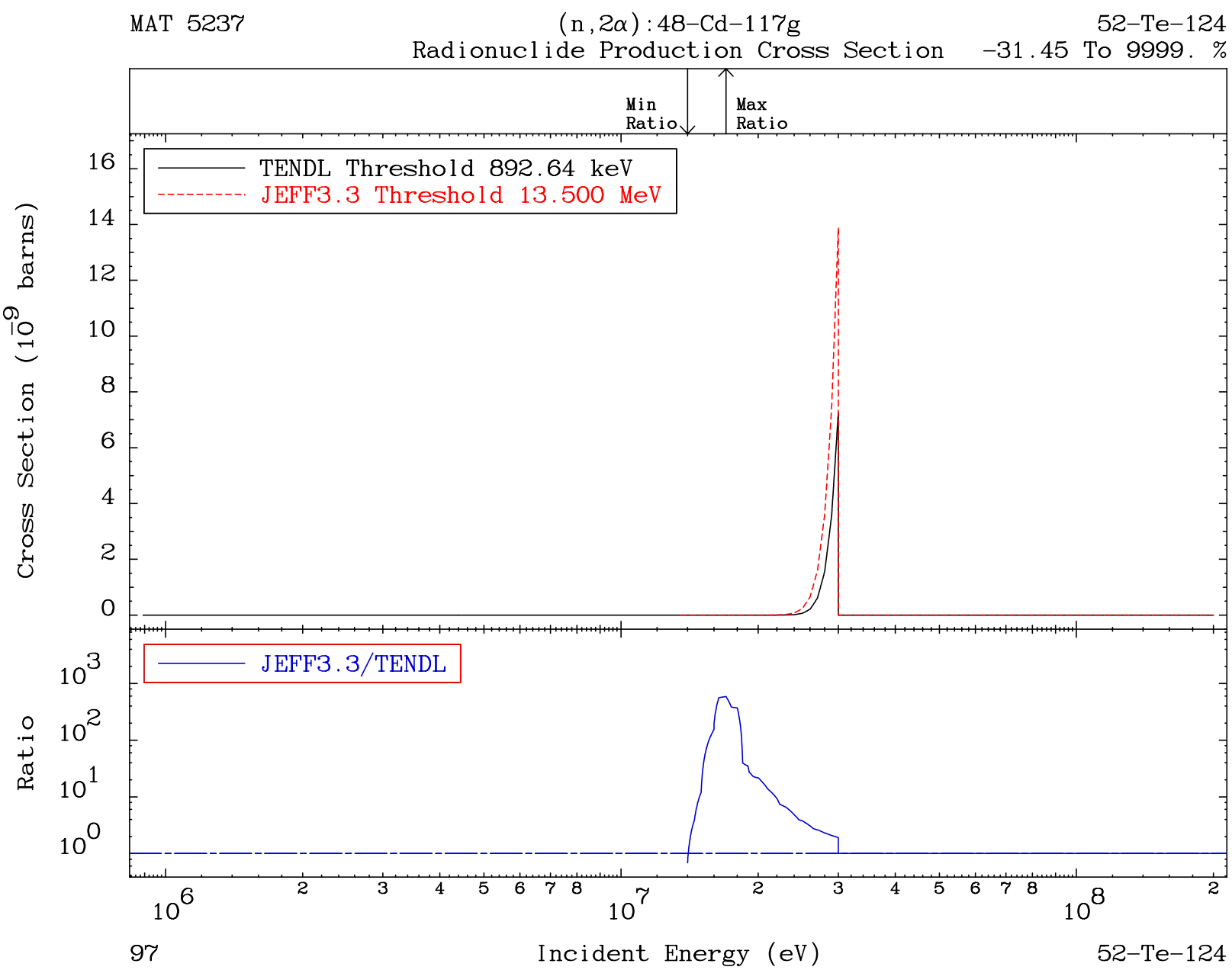

MAT 5237
(n,p):51-Sb-124g
52-Te-124
Radionuclide Production Cross Section
-0.189 To 9.005 %
Max Ratio
Min Ratio
TENDL Threshold 2.1400 MeV
JEFF3.3 Threshold 2.1392 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
JEFF3.3/TENDL
Ratio
1.00
1.05
1.10
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
92
Incident Energy (eV)
52-Te-124

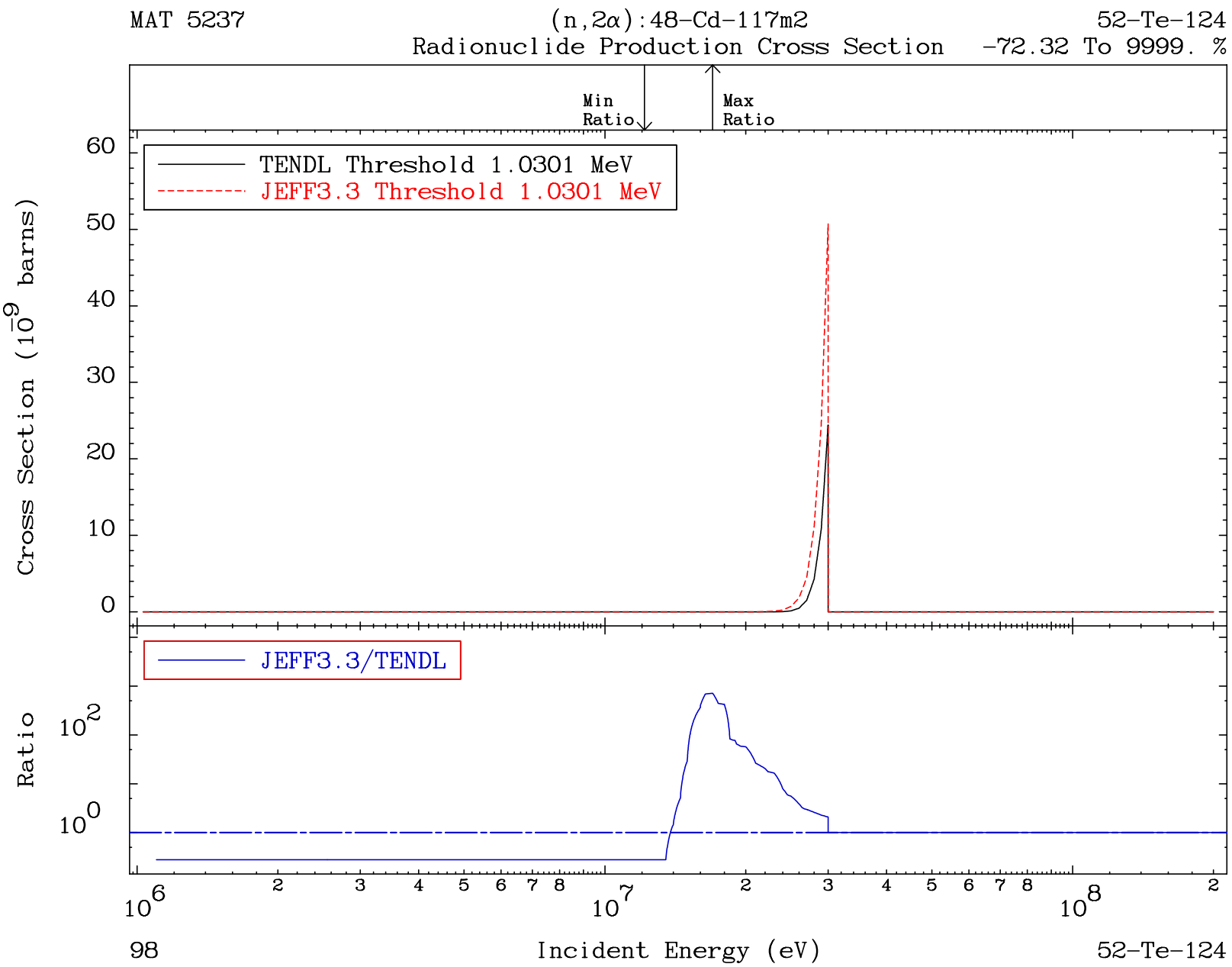

MAT 5237
(n,p):51-Sb-124m1
52-Te-124
Radionuclide Production Cross Section 0.000 To 6.080 %
Max Ratio
Min Ratio
TENDL Threshold 2.1510 MeV
JEFF3.3 Threshold 2.1502 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.00
1.02
1.04
1.06
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
93
Incident Energy (eV)
52-Te-124

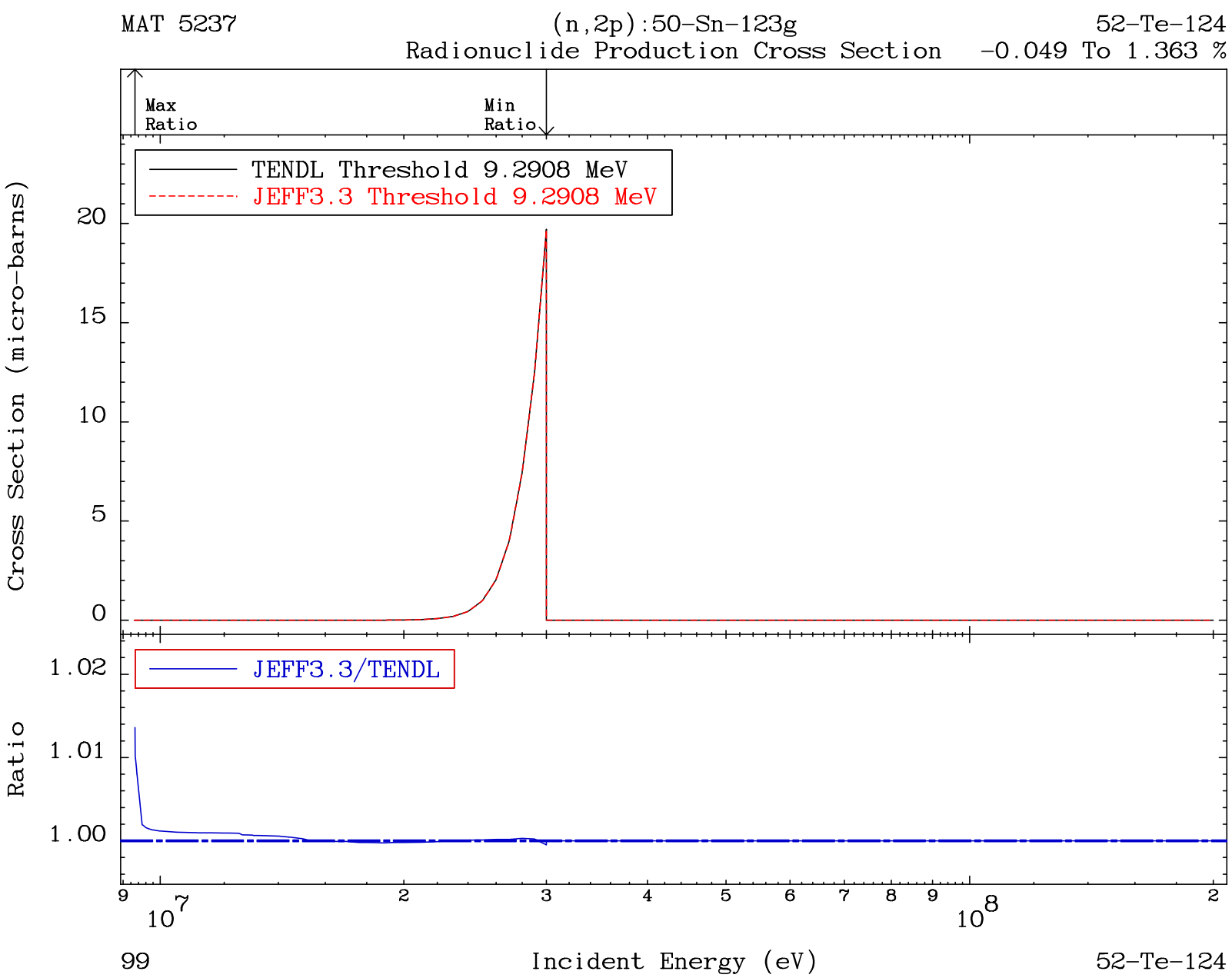

MAT 5237
(n,p):51-Sb-124m2
52-Te-124
Radionuclide Production Cross Section -1.550 To 3.703 %
Max Ratio
Min Ratio
TENDL Threshold 2.8000 MeV
JEFF3.3 Threshold 2.8000 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
94
Incident Energy (eV)
52-Te-124

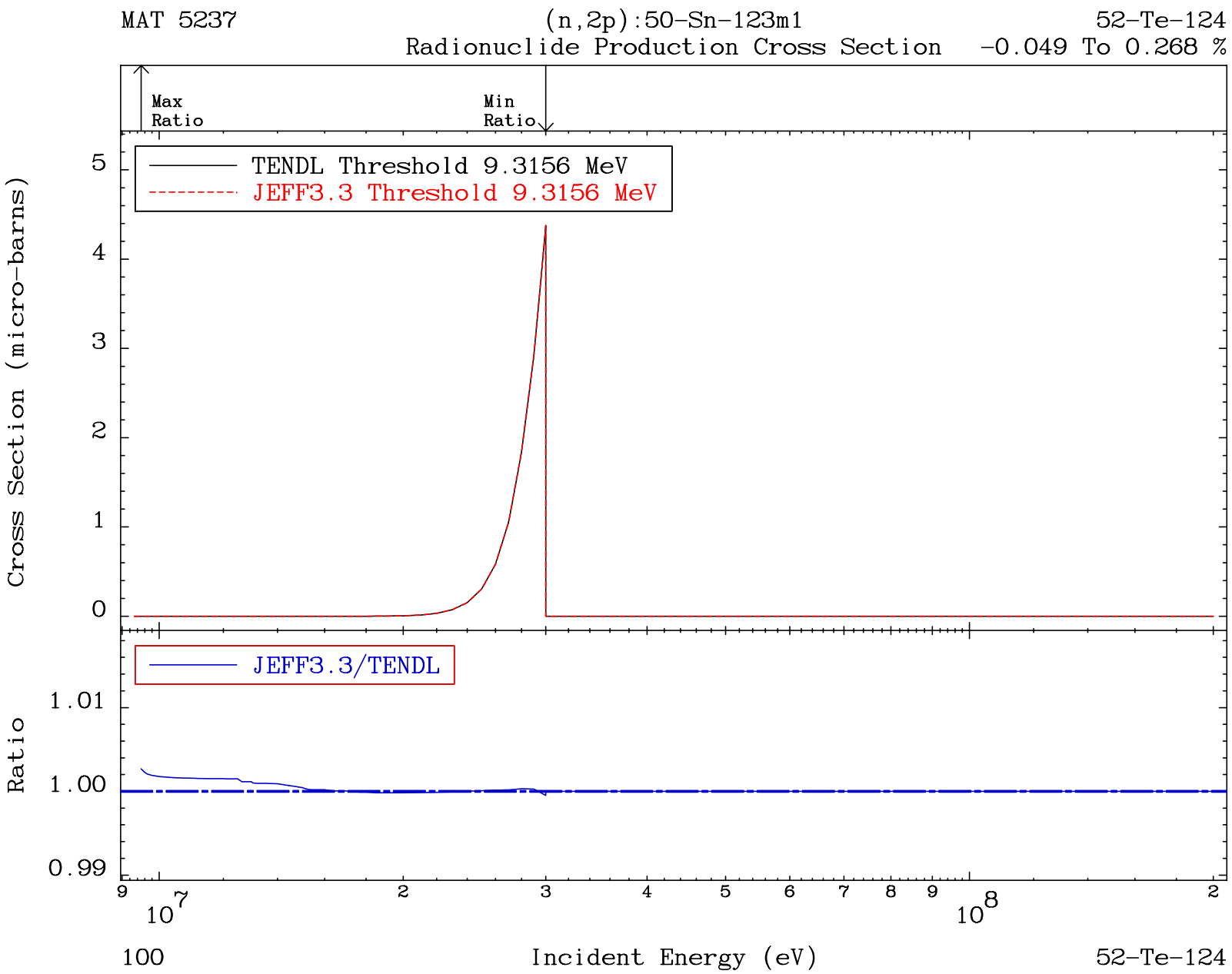

MAT 5237
(n,t):51-Sb-122g
52-Te-124
Radionuclide Production Cross Section
-5.424 To 8.329 %
Min Ratio
Max Ratio
TENDL Threshold 9.1423 MeV
JEFF3.3 Threshold 9.1440 MeV
Cross Section (milli-barns)
0
1
2
3
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
0.95
9
10^7
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
52-Te-124

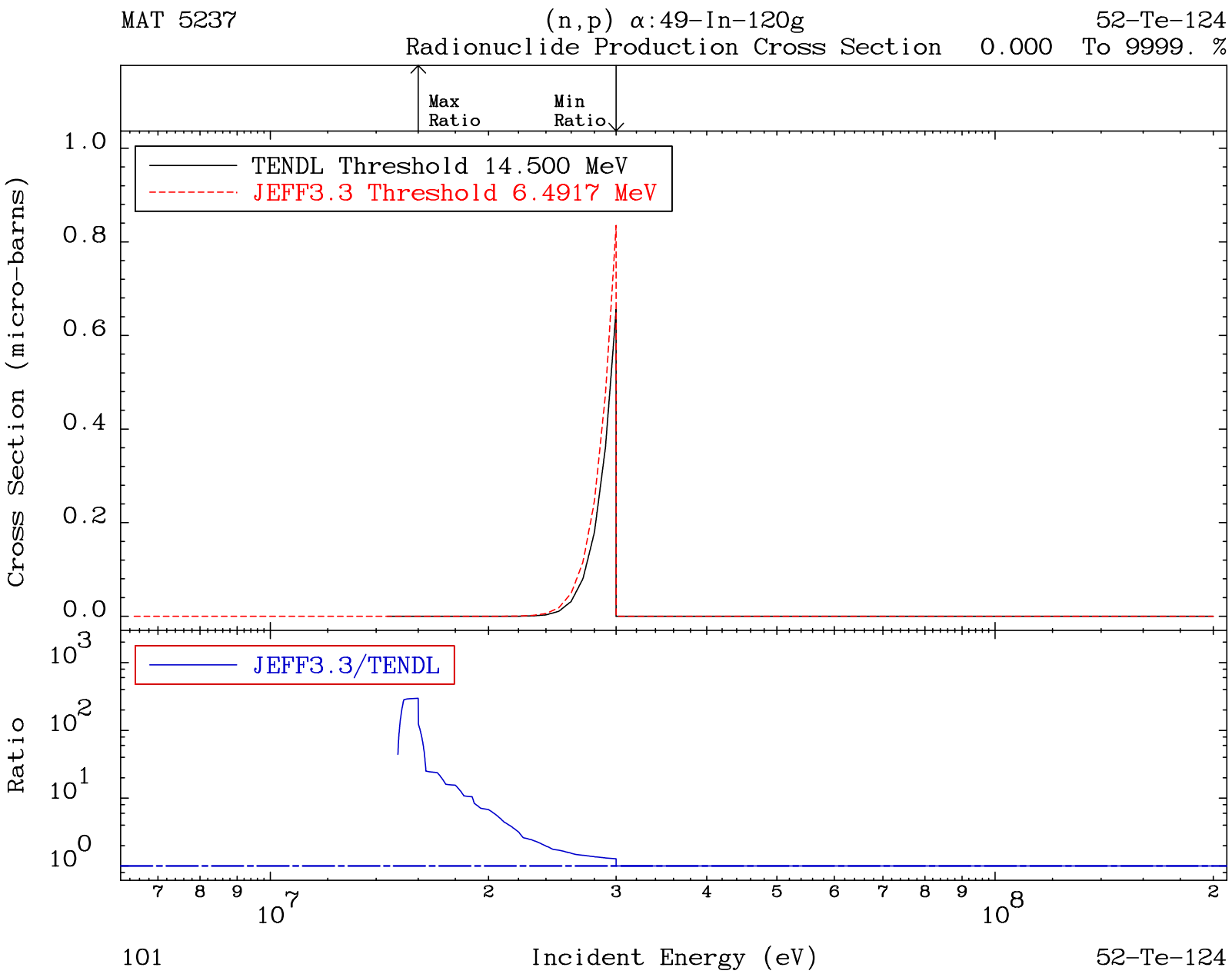

MAT 5237
(n,t):51-Sb-122m5
52-Te-124
Radionuclide Production Cross Section
-21.03 To 0.026 %
Min Ratio
Max Ratio
TENDL Threshold 9.3071 MeV
JEFF3.3 Threshold 9.3089 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.0
0.9
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
52-Te-124

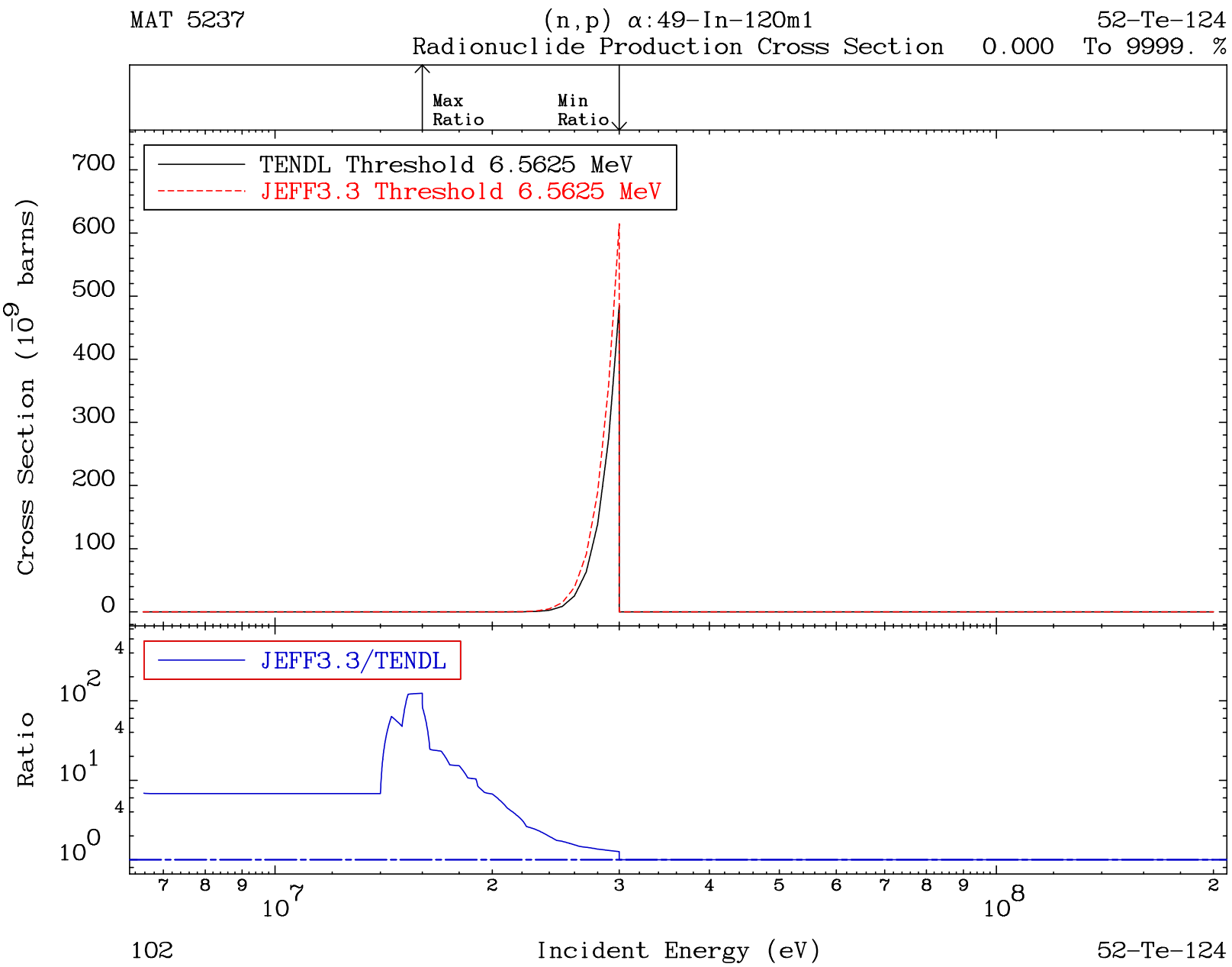

MAT 5237
(n,2α):48-Cd-117g
52-Te-124
Radionuclide Production Cross Section -31.45 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 892.64 keV
JEFF3.3 Threshold 13.500 MeV
Cross Section (10^{-9} barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
10^6
10^7
10^8
2 3 4 5 6 7 8
97
Incident Energy (eV)
52-Te-124

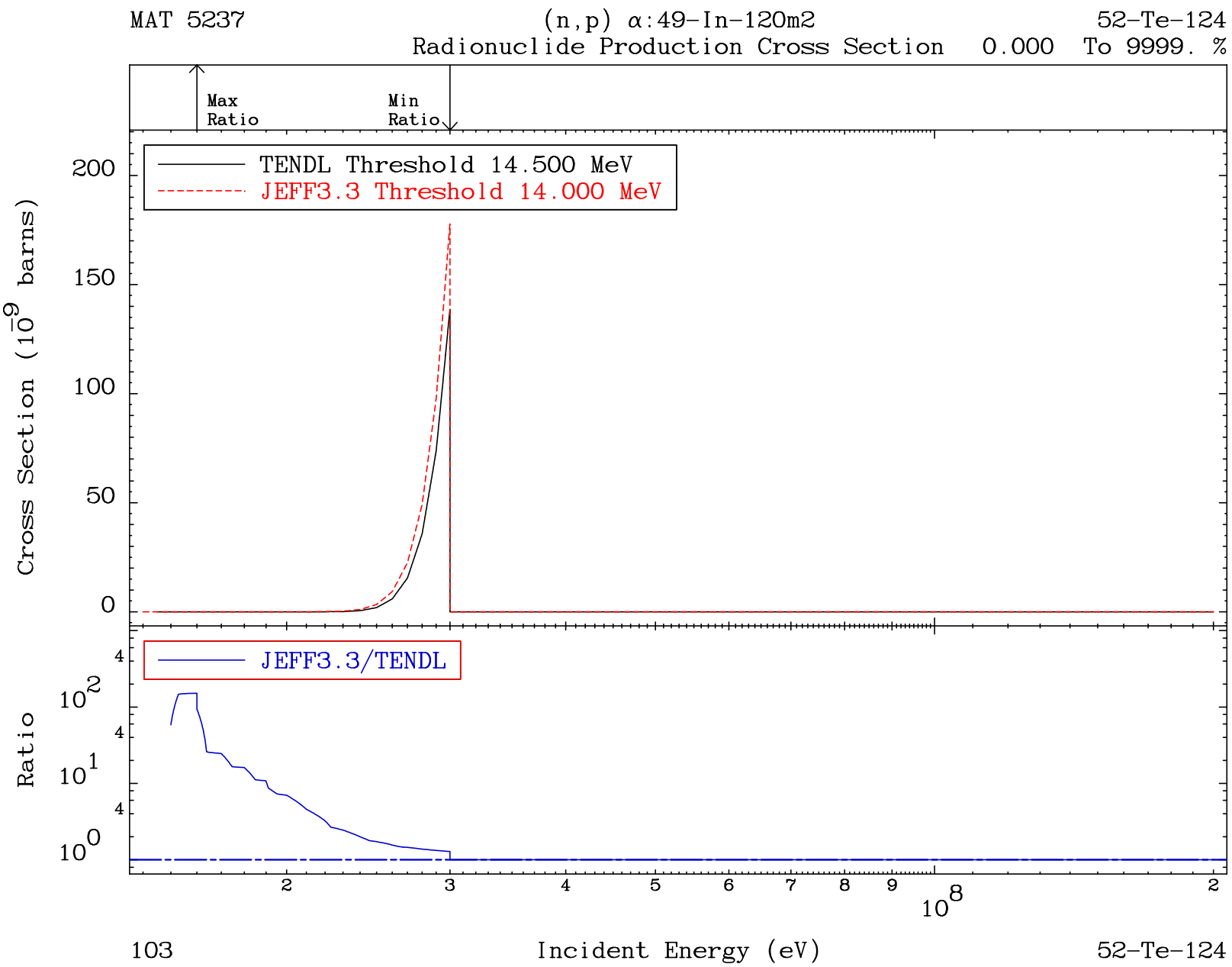

MAT 5237
(n,2α):48-Cd-117m2
52-Te-124
Radionuclide Production Cross Section -72.32 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0301 MeV
JEFF3.3 Threshold 1.0301 MeV
Cross Section (10^{-9} barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{0}
10^{6}
2 3 4 5 6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
98
Incident Energy (eV)
52-Te-124

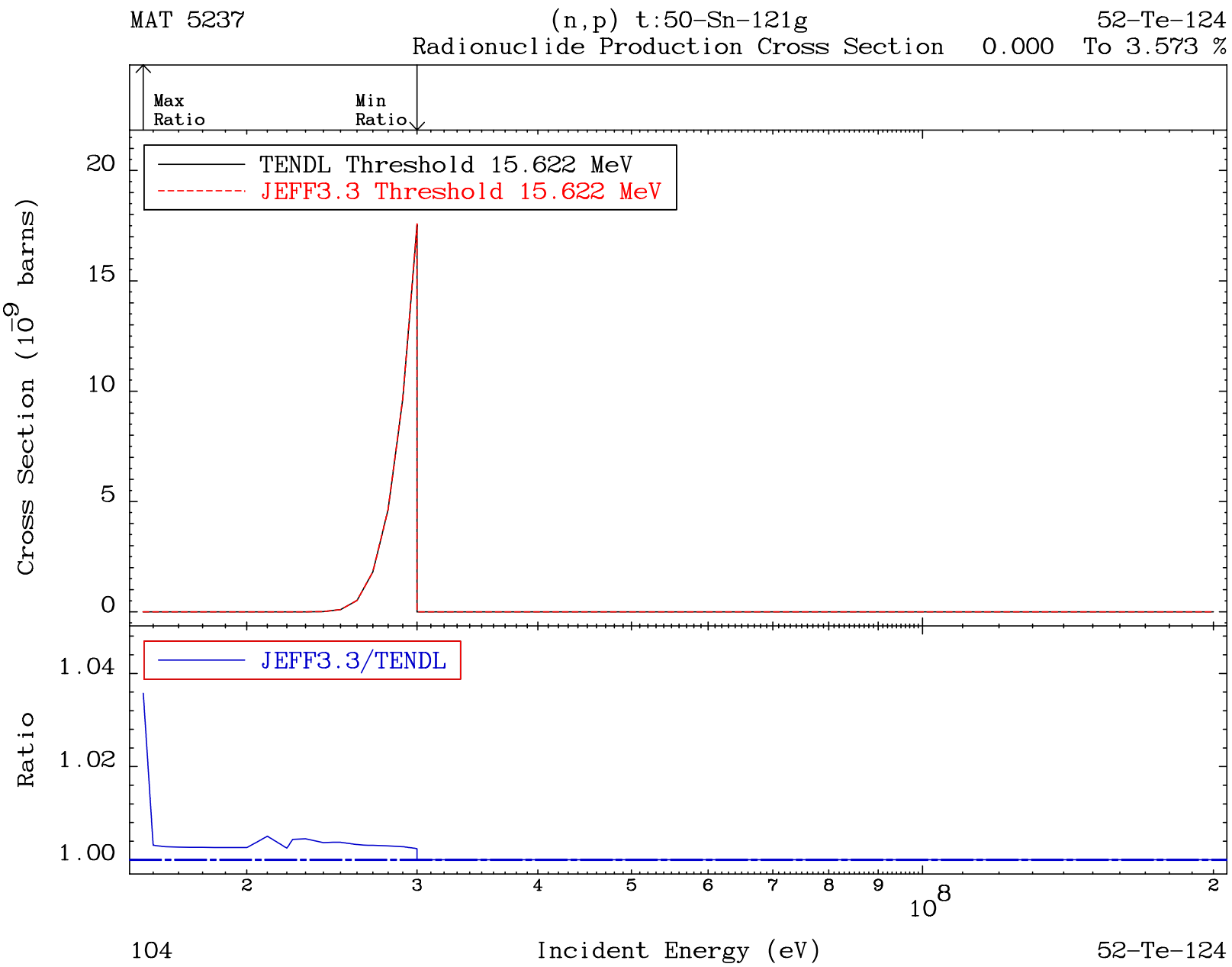

MAT 5237
(n,2p):50-Sn-123g
52-Te-124
Radionuclide Production Cross Section
-0.049 To 1.363 %
Max Ratio
Min Ratio
TENDL Threshold 9.2908 MeV
JEFF3.3 Threshold 9.2908 MeV
Cross Section (micro-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
9
10^7
2
3
4
5
6
7
8
9
10^8
2
99
Incident Energy (eV)
52-Te-124

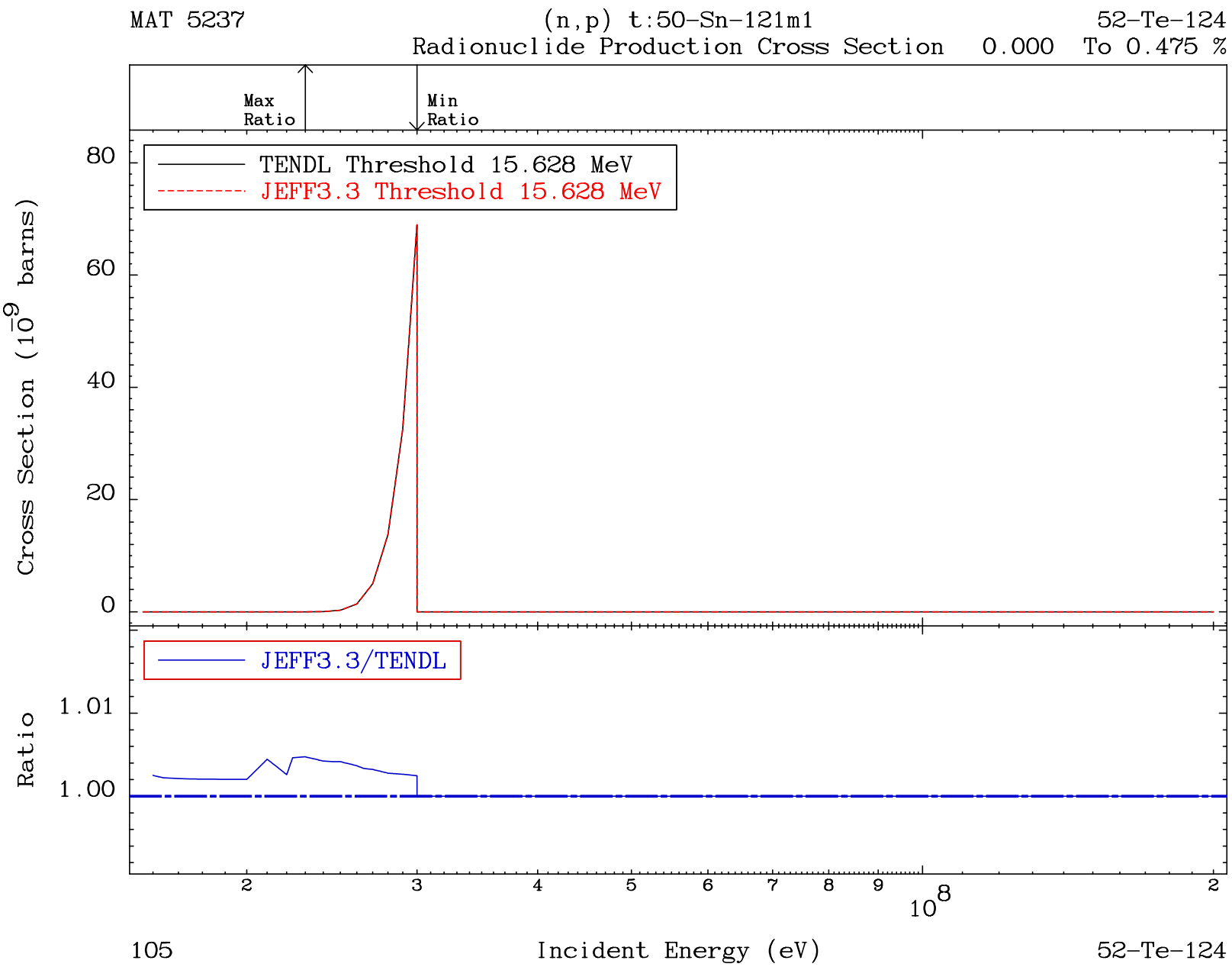

MAT 5237
(n,2p):50-Sn-123m1
52-Te-124
Radionuclide Production Cross Section
-0.049 To 0.268 %
Max Ratio
Min Ratio
TENDL Threshold 9.3156 MeV
JEFF3.3 Threshold 9.3156 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
9
10^7
2
3
4
5
6
7
8
9
10^8
2
100
Incident Energy (eV)
52-Te-124


MAT 5237
(n,p) α:49-In-120g
52-Te-124
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 14.500 MeV
JEFF3.3 Threshold 6.4917 MeV
Cross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
101
Incident Energy (eV)
52-Te-124


MAT 5237
(n,p) α:49-In-120m1
52-Te-124
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5625 MeV
JEFF3.3 Threshold 6.5625 MeV
Cross Section (10^{-9} barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{1}
10^{0}
7 8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
102
Incident Energy (eV)
52-Te-124


MAT 5237
(n,p) α:49-In-120m2
52-Te-124
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 14.500 MeV
JEFF3.3 Threshold 14.000 MeV
Cross Section (10^{-9} barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{1}
10^{0}
2
3
4
5
6
7
8
9
10^{8}
2
103
Incident Energy (eV)
52-Te-124


MAT 5237
(n,p) t:50-Sn-121g
52-Te-124
Radionuclide Production Cross Section 0.000 To 3.573 %
Max Ratio
Min Ratio
TENDL Threshold 15.622 MeV
JEFF3.3 Threshold 15.622 MeV
Cross Section (10^{-9} barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
104
Incident Energy (eV)
52-Te-124


MAT 5237
(n,p) t:50-Sn-121m1
52-Te-124
Radionuclide Production Cross Section 0.000 To 0.475 %
Max Ratio
Min Ratio
TENDL Threshold 15.628 MeV
JEFF3.3 Threshold 15.628 MeV
Cross Section (10^{-9} barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
105
Incident Energy (eV)
52-Te-124