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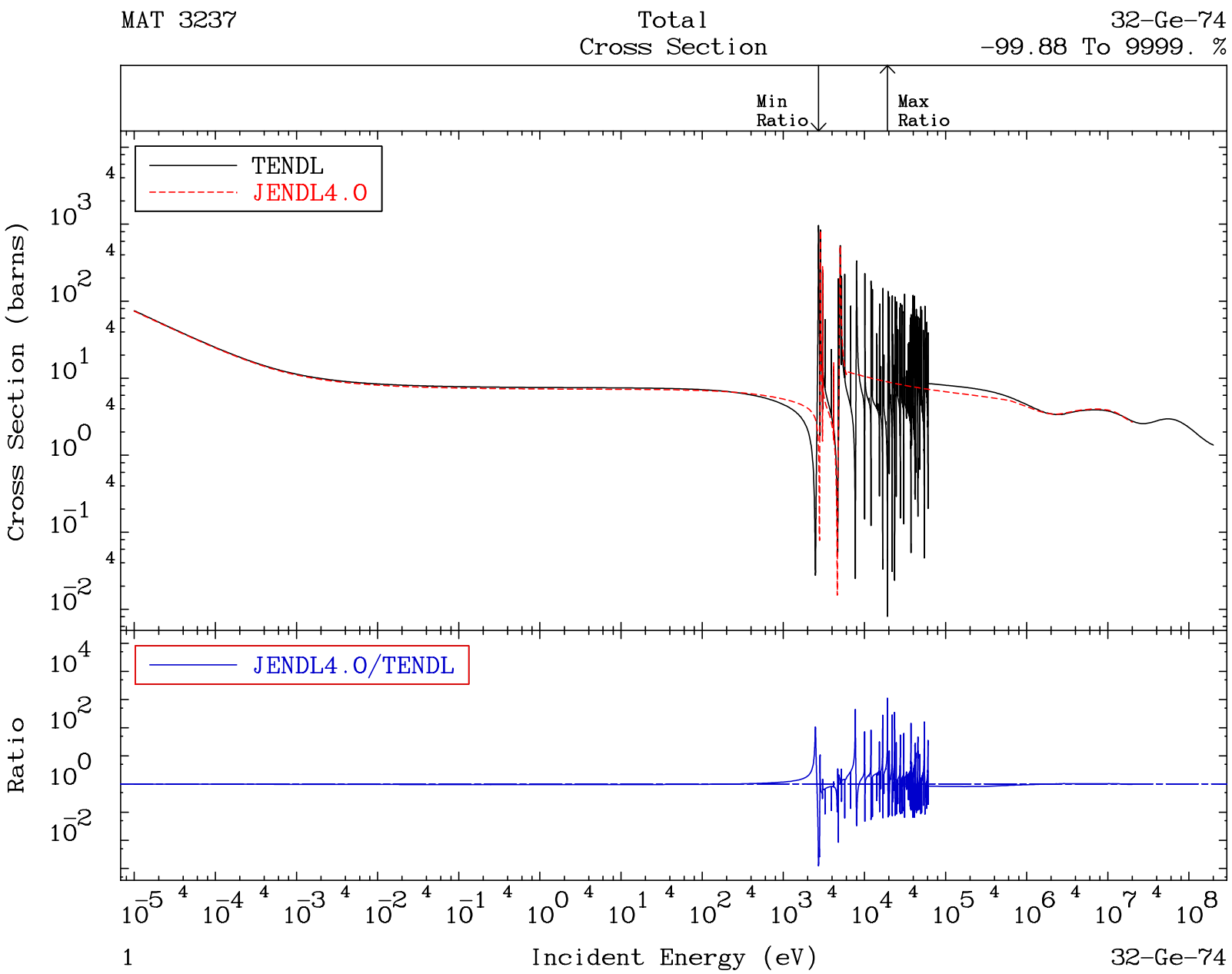
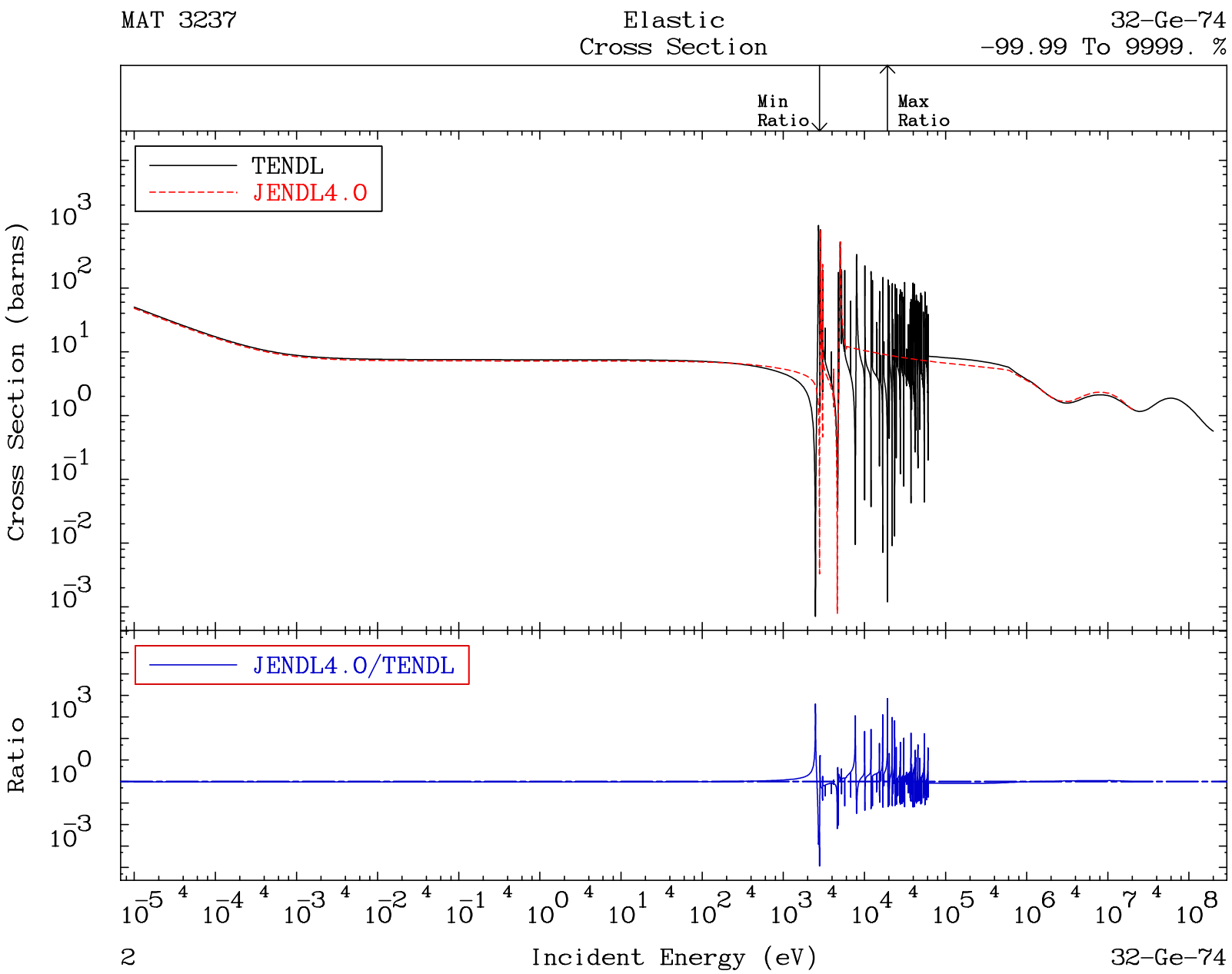
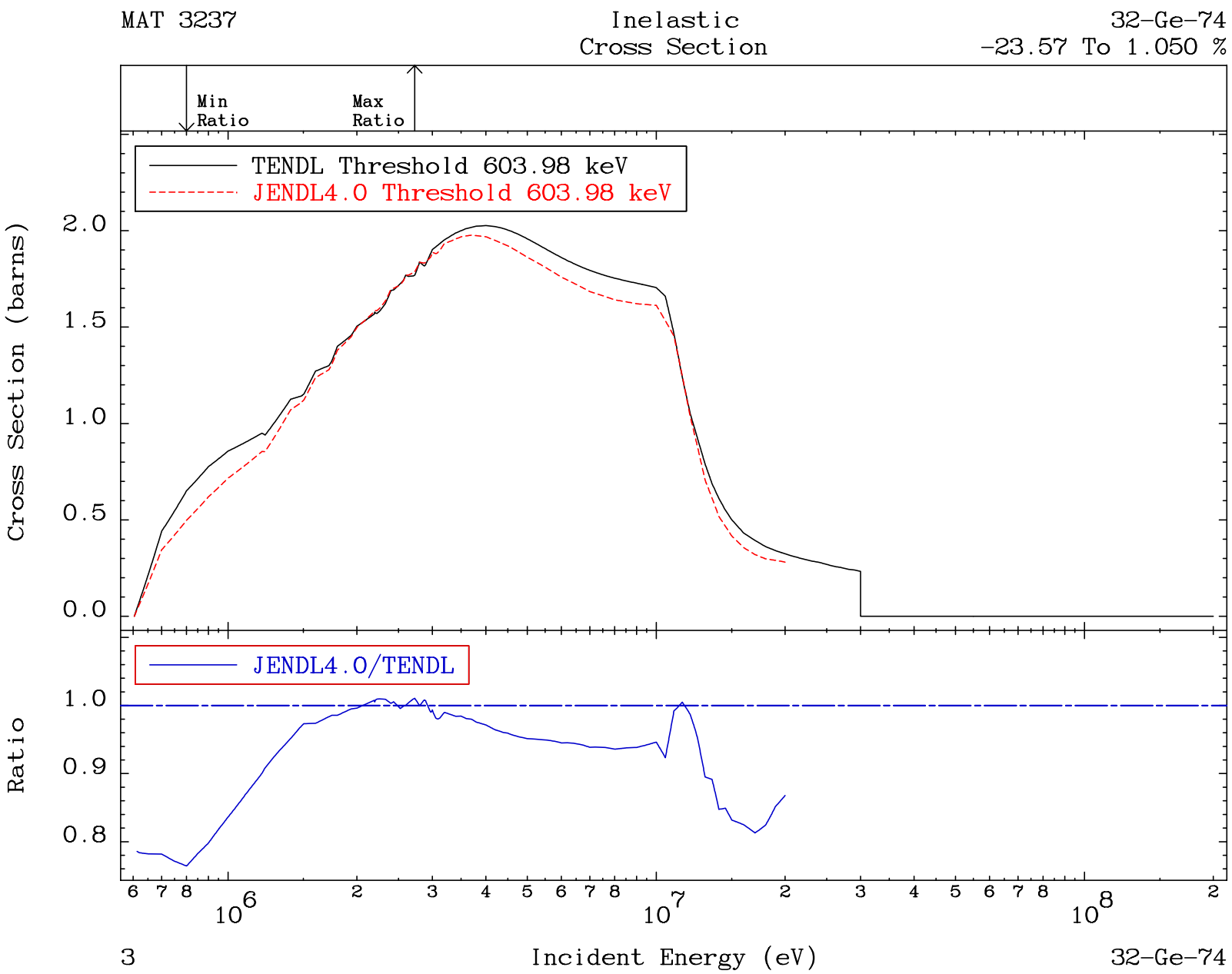
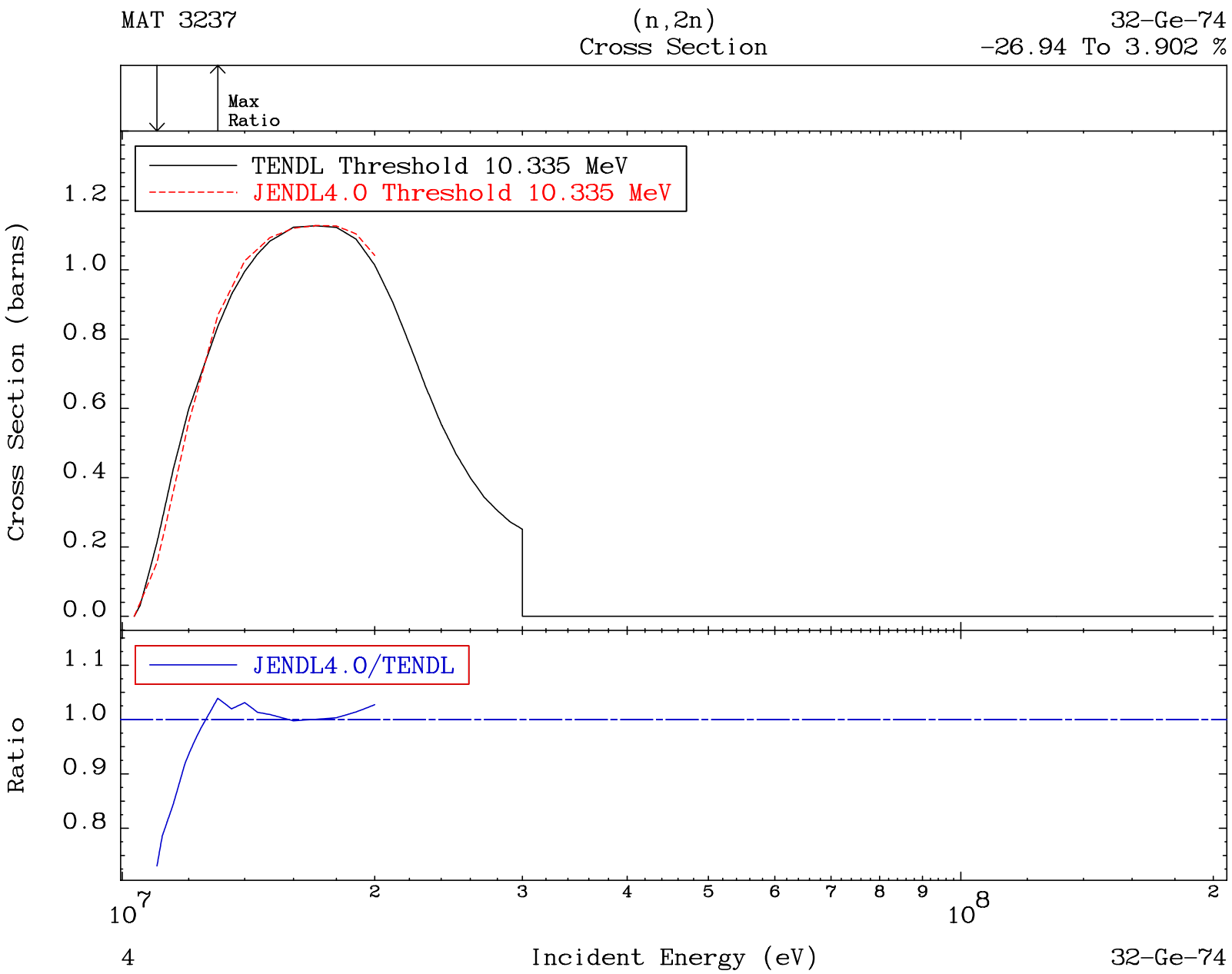
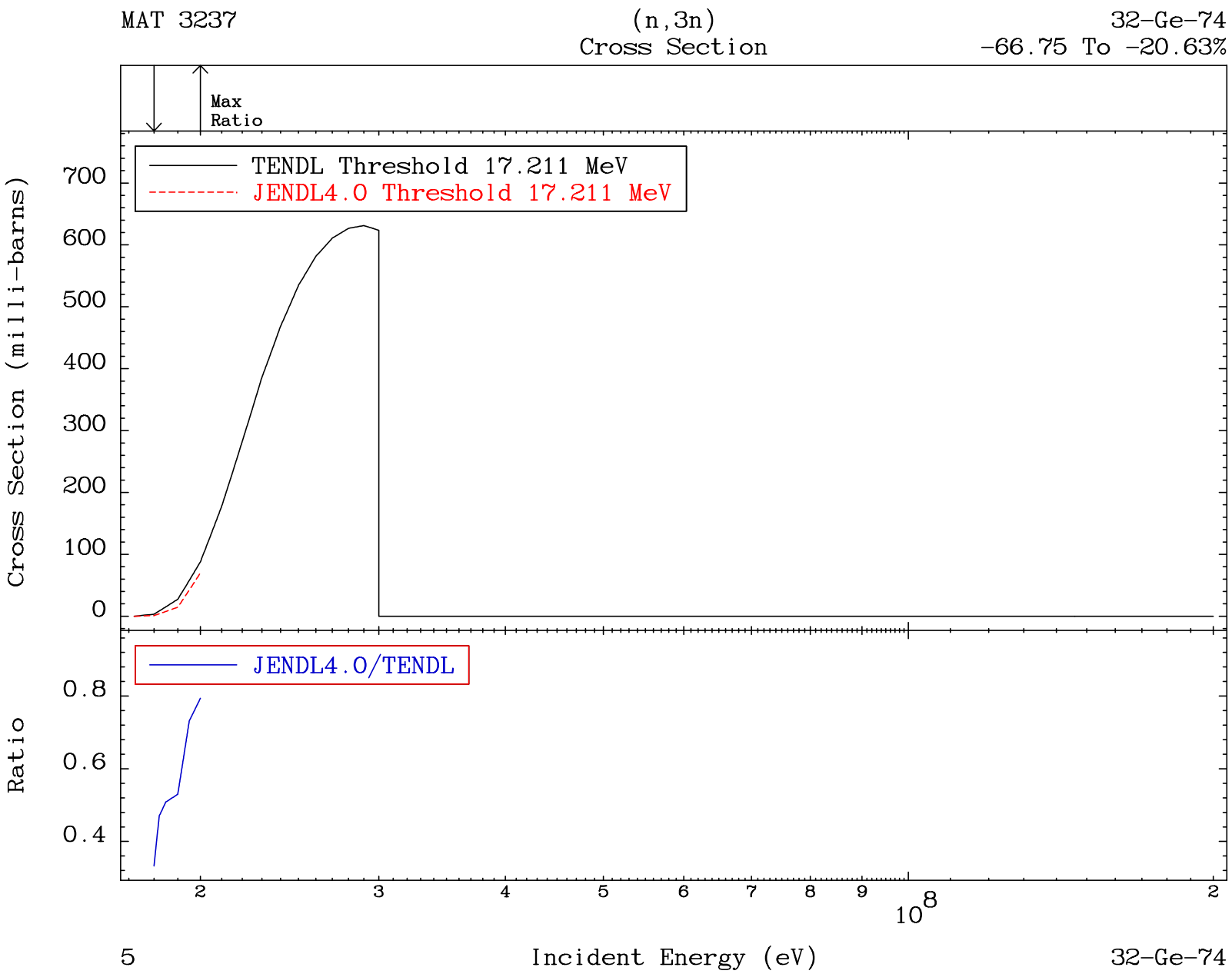
Press Mouse Button to Start

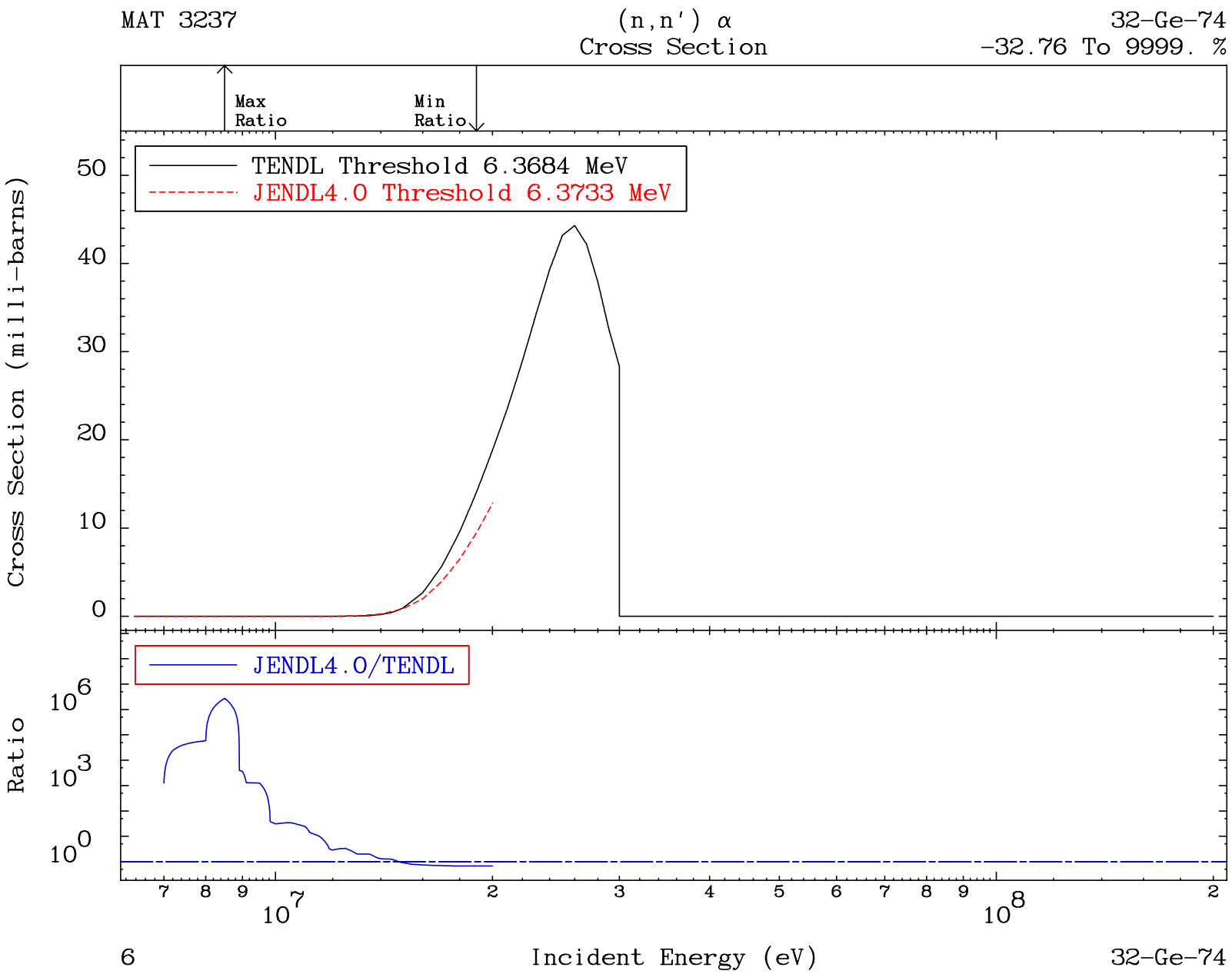

MAT 3237
Total
Cross Section
32-Ge-74
-99.88 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
1
32-Ge-74

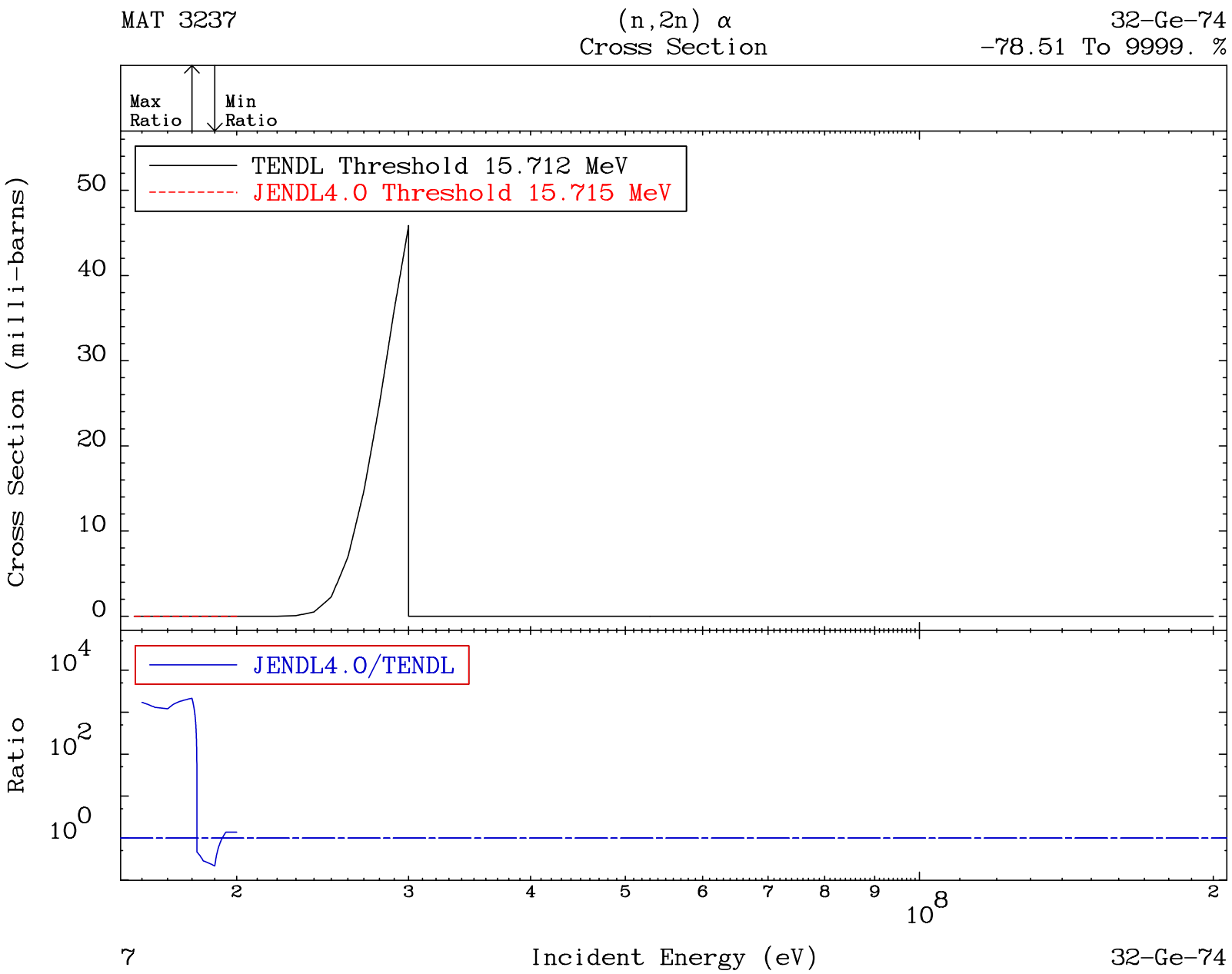

MAT 3237
Elastic
Cross Section
32-Ge-74
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
2
32-Ge-74

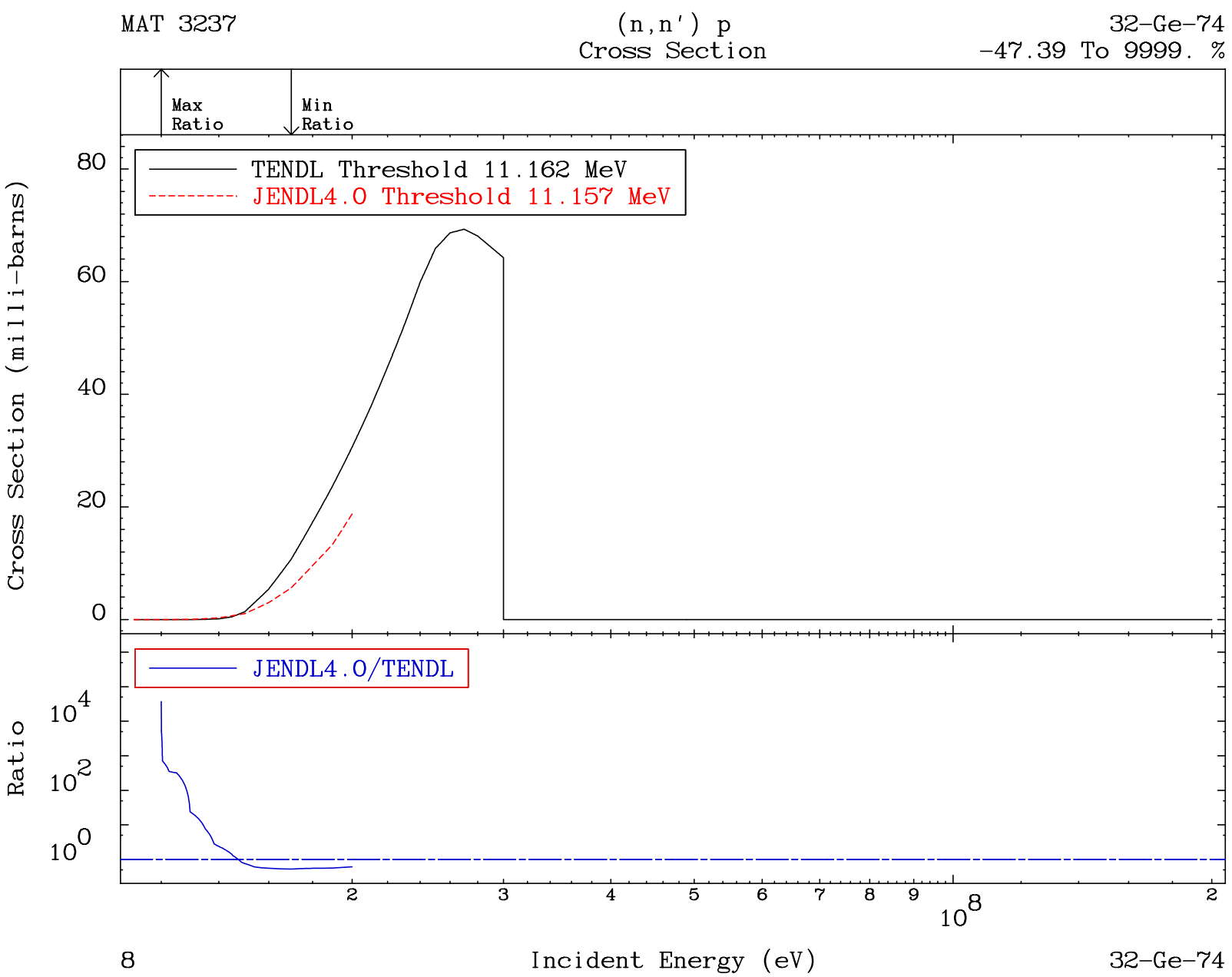

MAT 3237
Inelastic
Cross Section
32-Ge-74
-23.57 To 1.050 %
Min Ratio
Max Ratio
TENDL Threshold 603.98 keV
JENDL4.0 Threshold 603.98 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
1.0
0.9
0.8
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
32-Ge-74

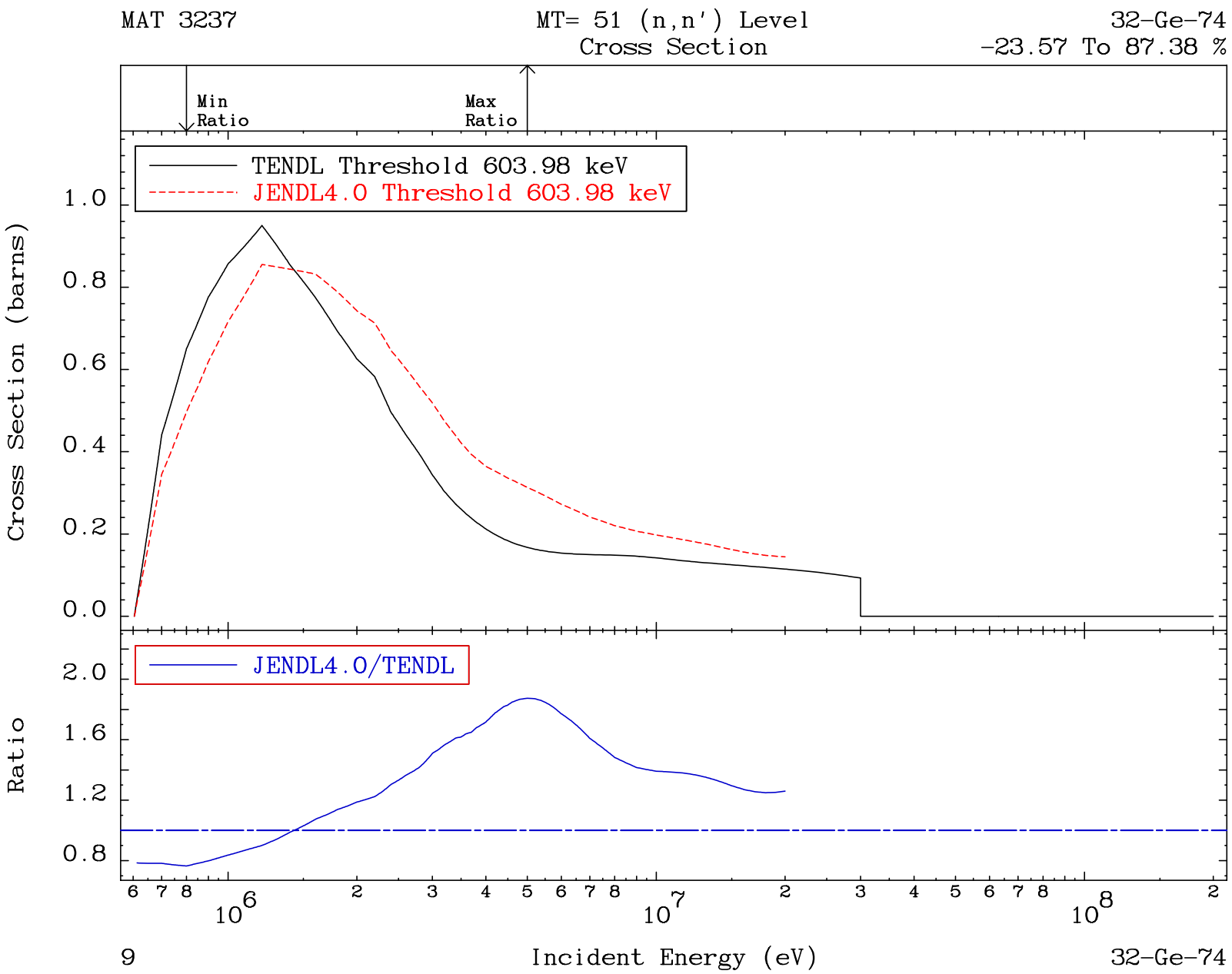

MAT 3237
(n,2n)
Cross Section
32-Ge-74
-26.94 To 3.902 %
Max
Ratio
TENDL Threshold 10.335 MeV
JENDL4.0 Threshold 10.335 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
1.1
1.0
0.9
0.8
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
32-Ge-74

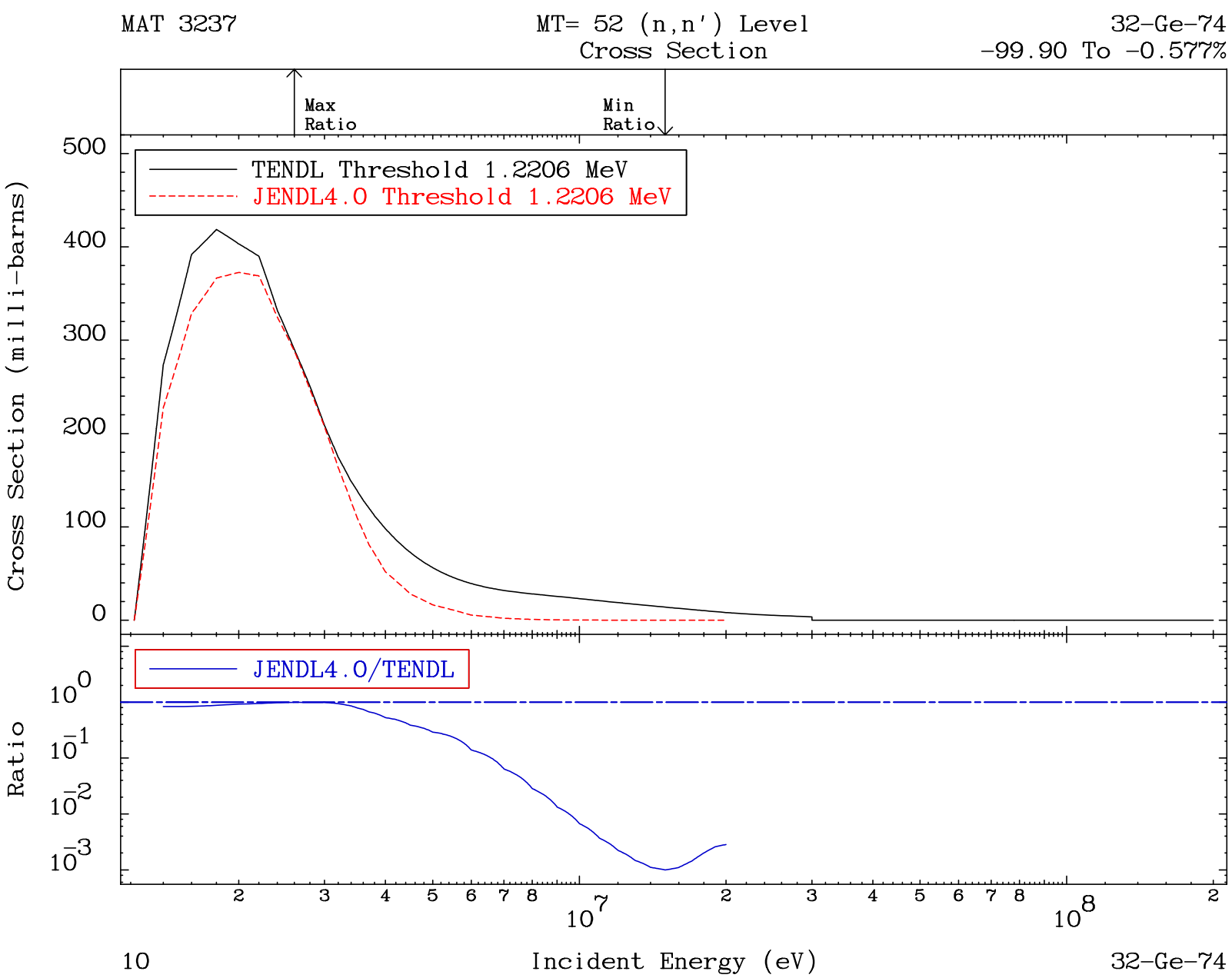

MAT 3237
(n,3n)
Cross Section
32-Ge-74
-66.75 To -20.63%
Max
Ratio
TENDL Threshold 17.211 MeV
JENDL4.0 Threshold 17.211 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
0.8
0.6
0.4
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
32-Ge-74

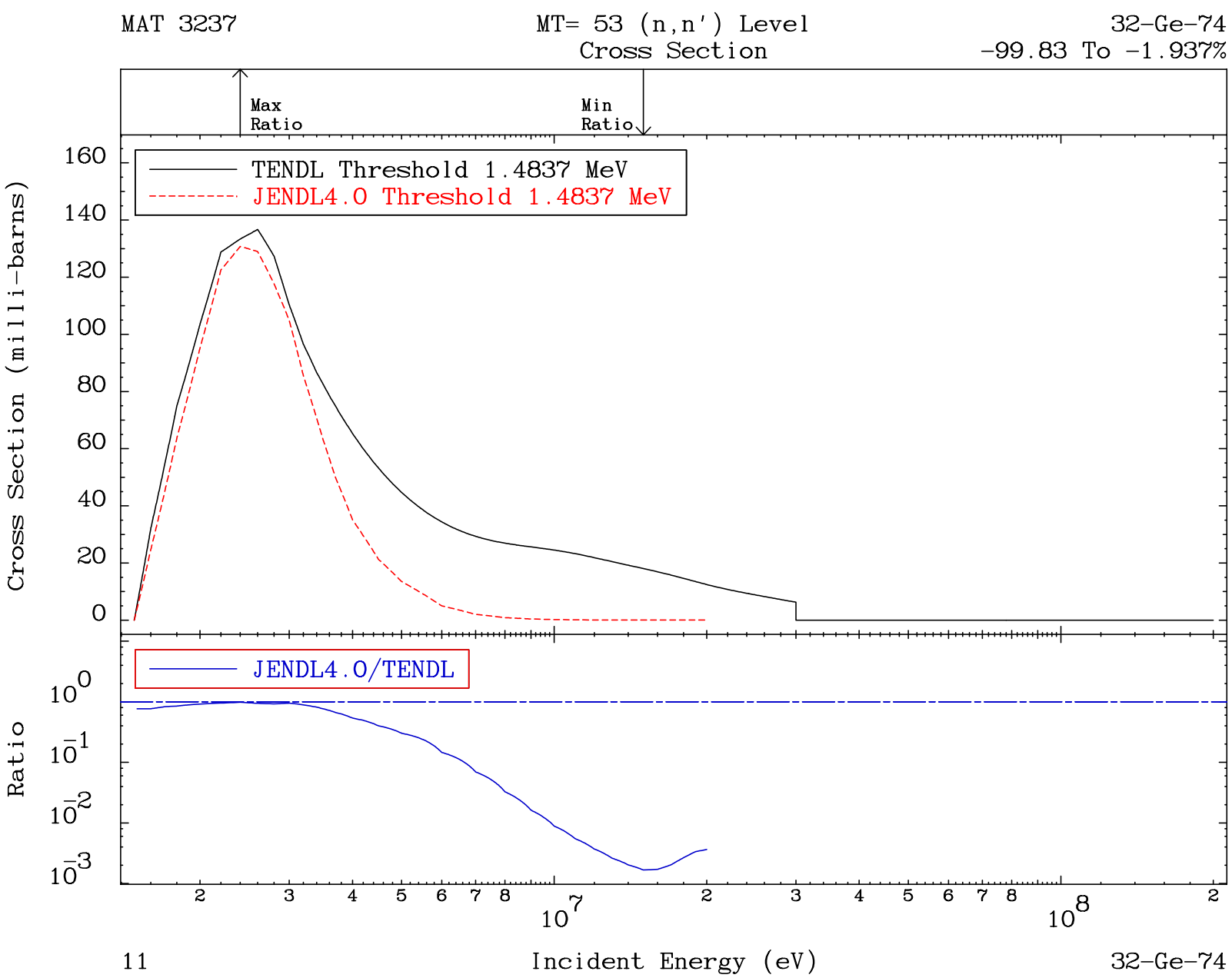

MAT 3237
(n,n') α
Cross Section
32-Ge-74
-32.76 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.3684 MeV
JENDL4.0 Threshold 6.3733 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^6
10^3
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
32-Ge-74

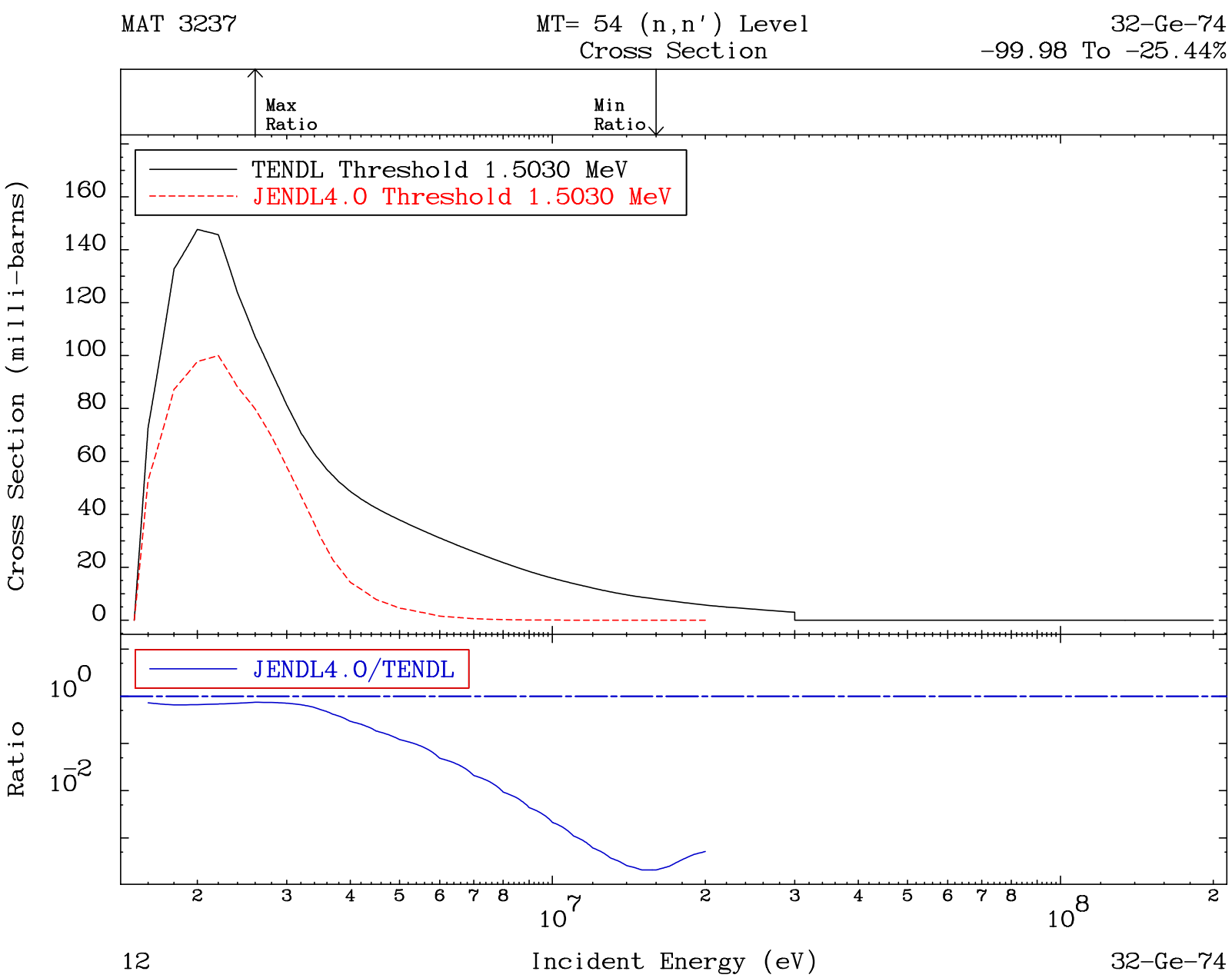

MAT 3237
(n,2n) α
Cross Section
32-Ge-74
-78.51 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 15.712 MeV
JENDL4.0 Threshold 15.715 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
32-Ge-74

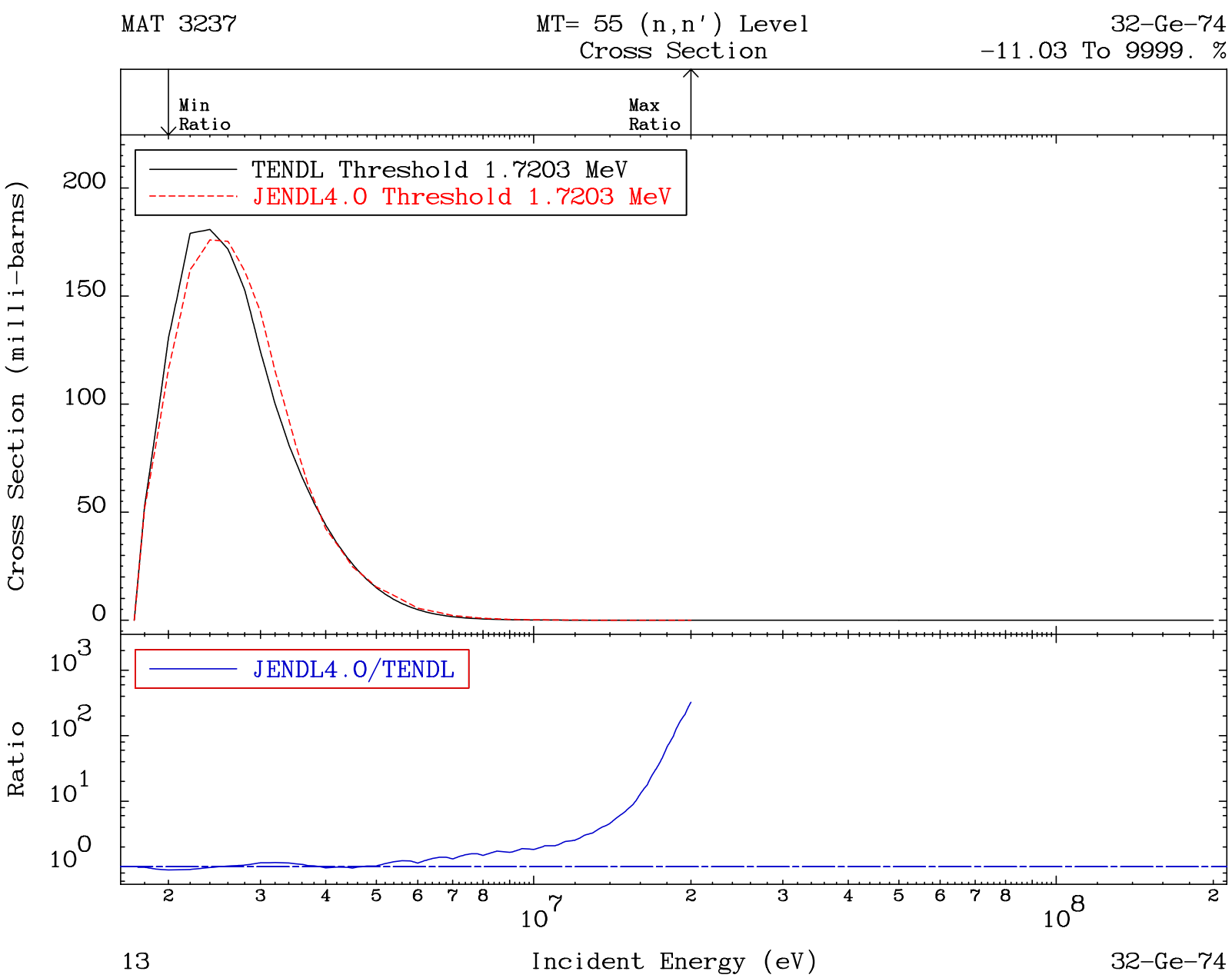

MAT 3237
(n,n') p
Cross Section
32-Ge-74
-47.39 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.162 MeV
JENDL4.0 Threshold 11.157 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
32-Ge-74

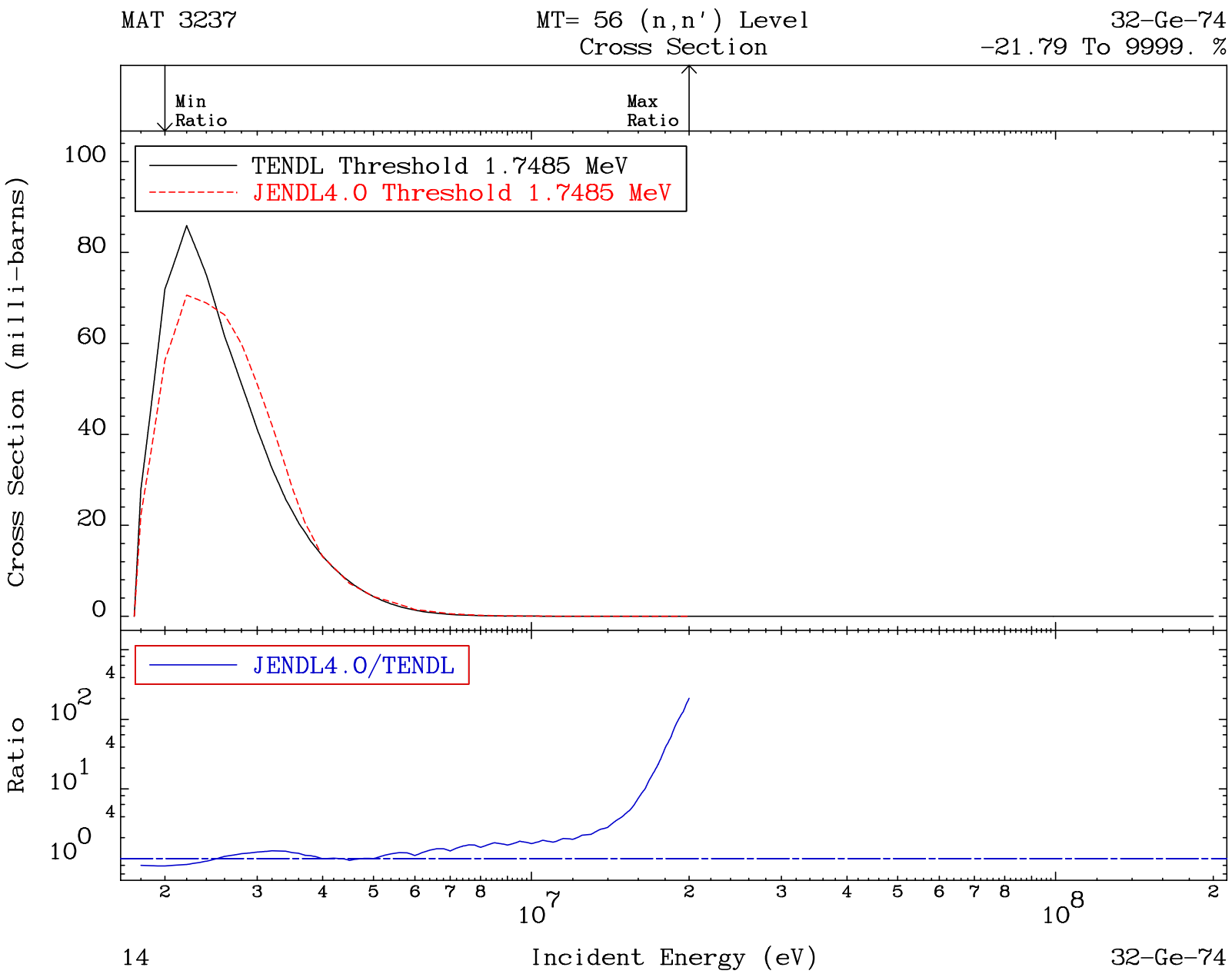

MAT 3237
MT= 51 (n,n') Level
Cross Section
32-Ge-74
-23.57 To 87.38 %
Min
Ratio
Max
Ratio
TENDL Threshold 603.98 keV
JENDL4.0 Threshold 603.98 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
0.8
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
9
Incident Energy (eV)
32-Ge-74

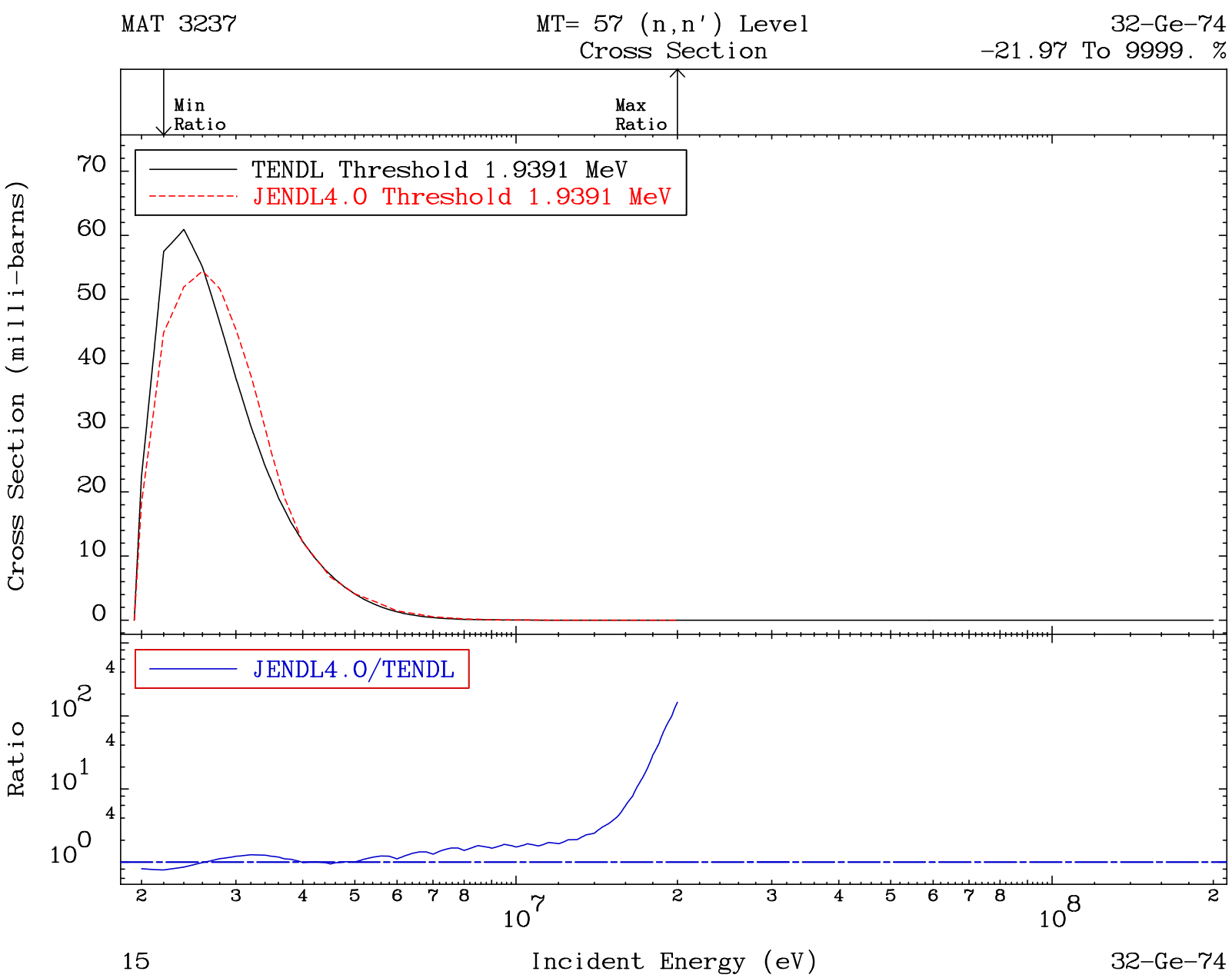

MAT 3237
MT= 52 (n,n') Level
Cross Section
32-Ge-74
-99.90 To -0.577%
Max
Ratio
Min
Ratio
TENDL Threshold 1.2206 MeV
JENDL4.0 Threshold 1.2206 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
10^7
10^8
10
Incident Energy (eV)
32-Ge-74

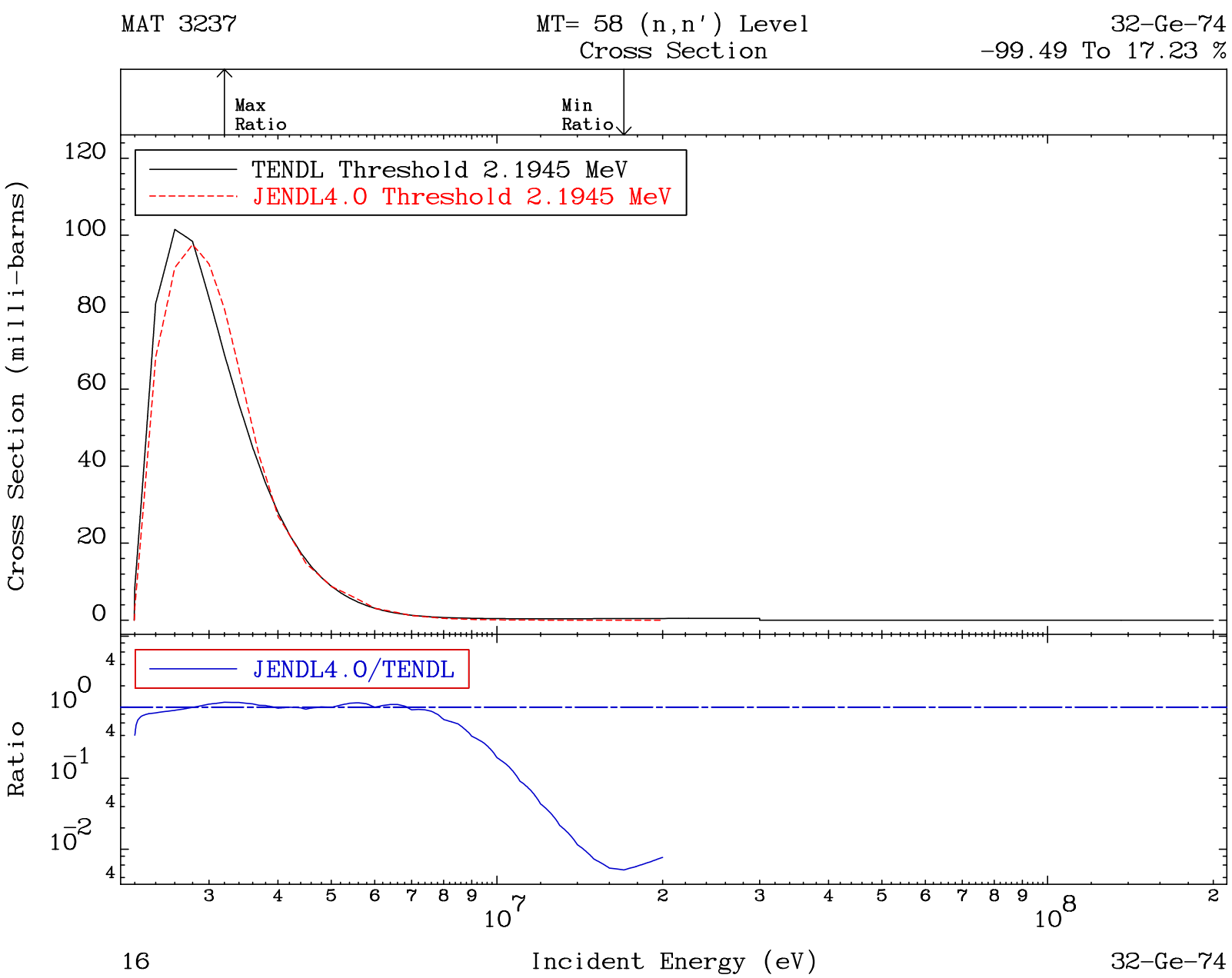

MAT 3237
MT= 53 (n,n') Level
Cross Section
32-Ge-74
-99.83 To -1.937%
Max
Ratio
Min
Ratio
TENDL Threshold 1.4837 MeV
JENDL4.0 Threshold 1.4837 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
10^-3
2
3
4
5
6
7
8
10^7
10^8
11
Incident Energy (eV)
32-Ge-74

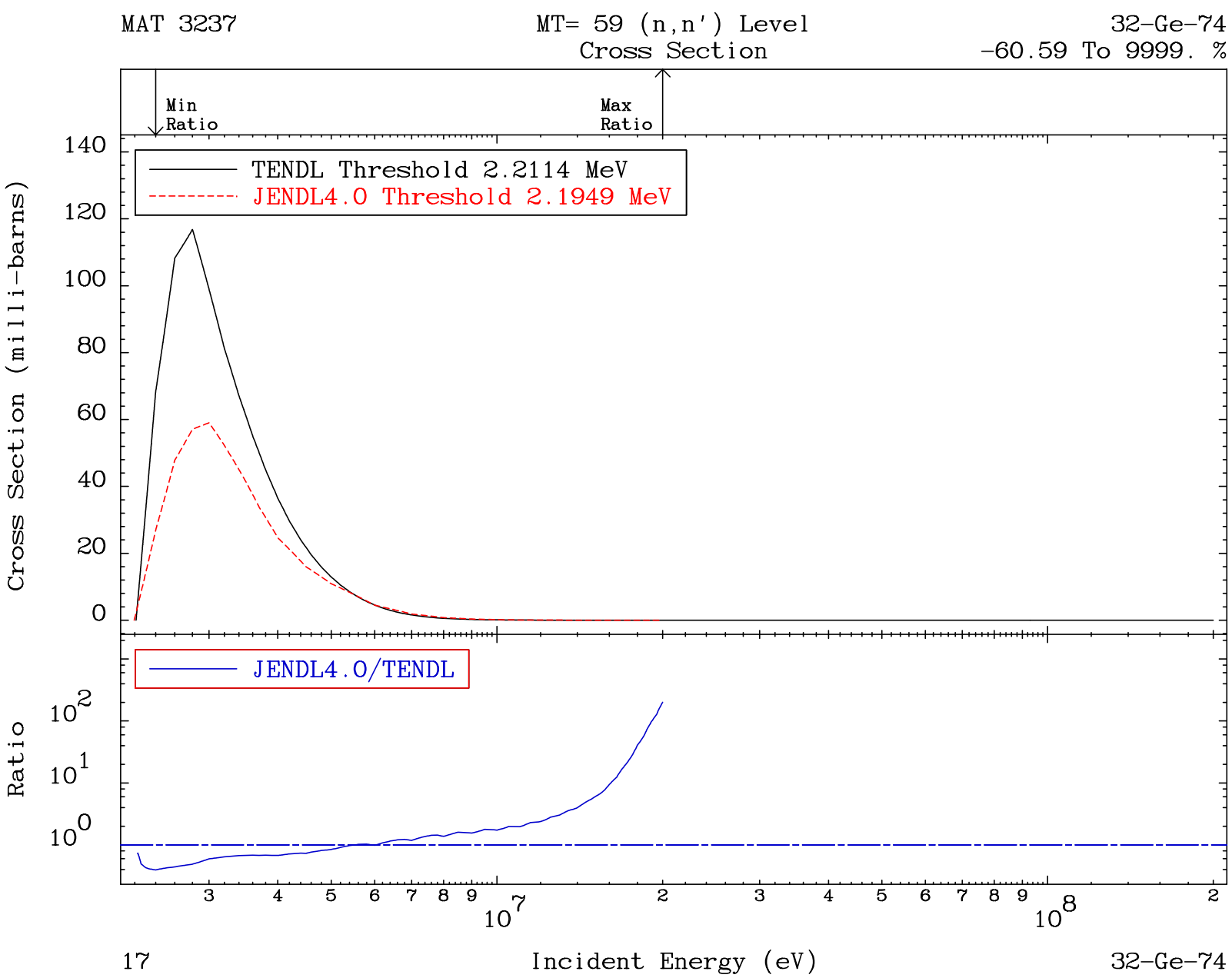

MAT 3237
MT= 54 (n,n') Level
Cross Section
32-Ge-74
-99.98 To -25.44%
Max
Ratio
Min
Ratio
TENDL Threshold 1.5030 MeV
JENDL4.0 Threshold 1.5030 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
2
3
4
5
6
7
8
10^7
10^8
12
Incident Energy (eV)
32-Ge-74

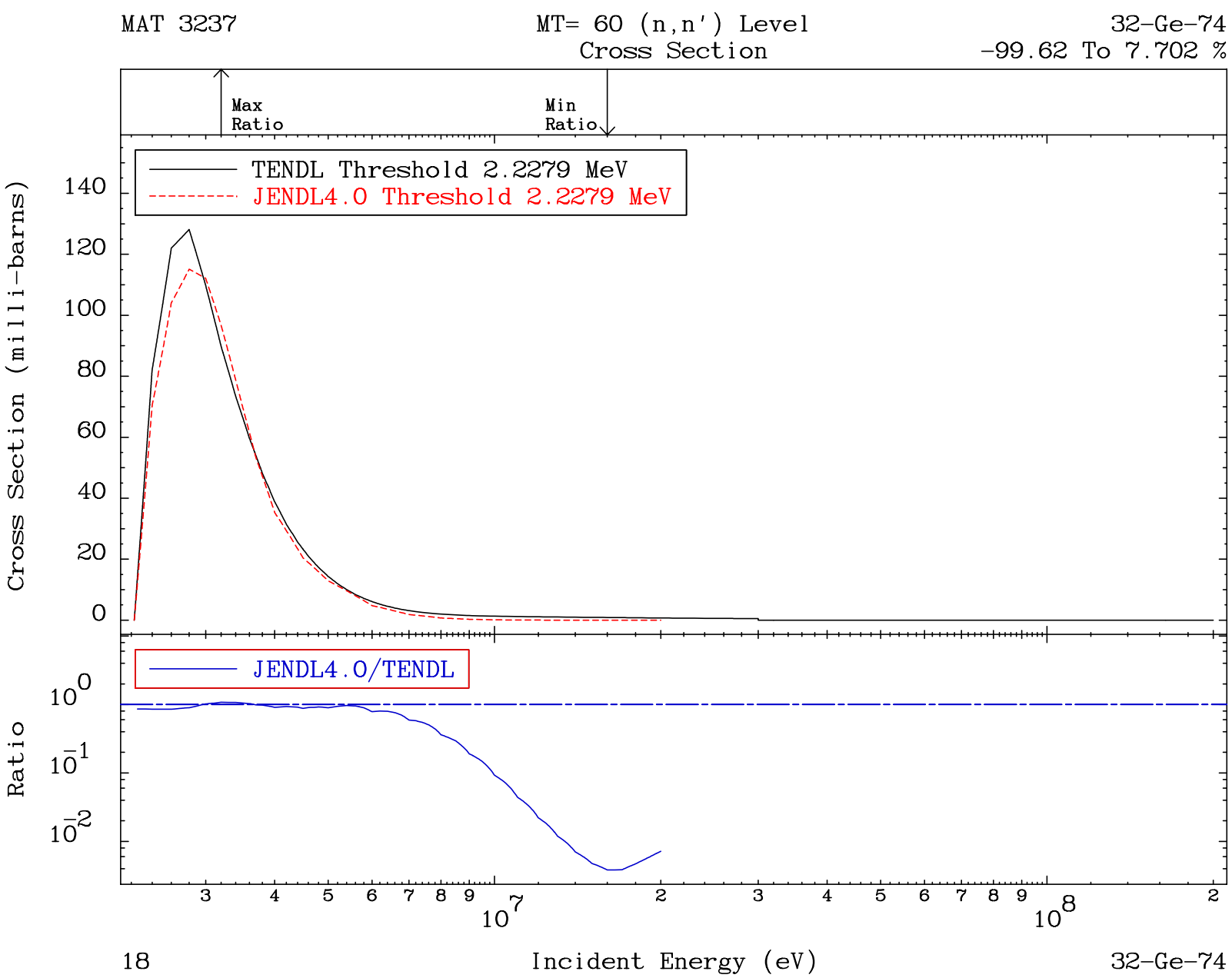

MAT 3237
MT= 55 (n,n') Level
Cross Section
32-Ge-74
-11.03 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.7203 MeV
JENDL4.0 Threshold 1.7203 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^3
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
32-Ge-74

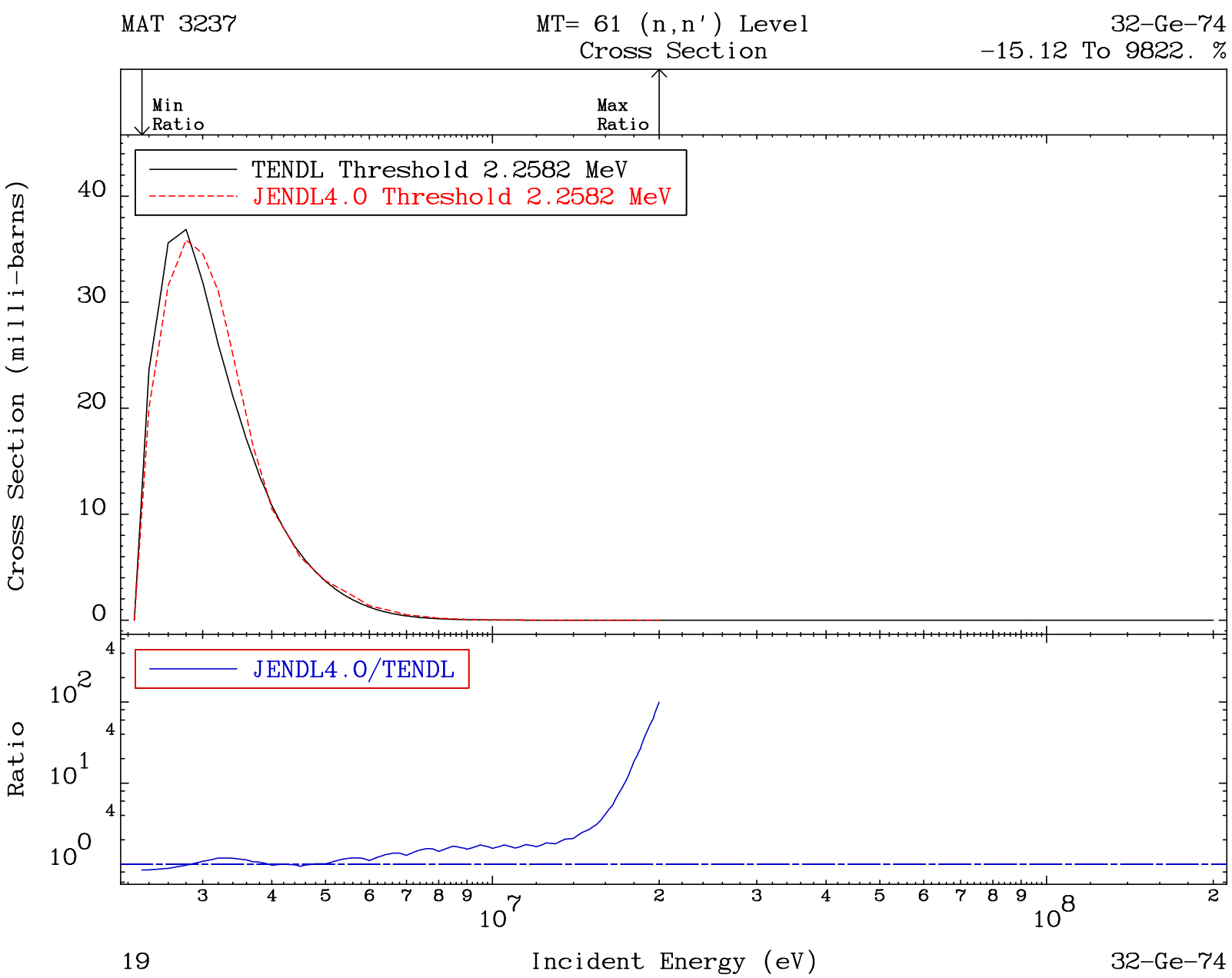

MAT 3237
MT= 56 (n,n') Level
Cross Section
32-Ge-74
-21.79 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.7485 MeV
JENDL4.0 Threshold 1.7485 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
32-Ge-74

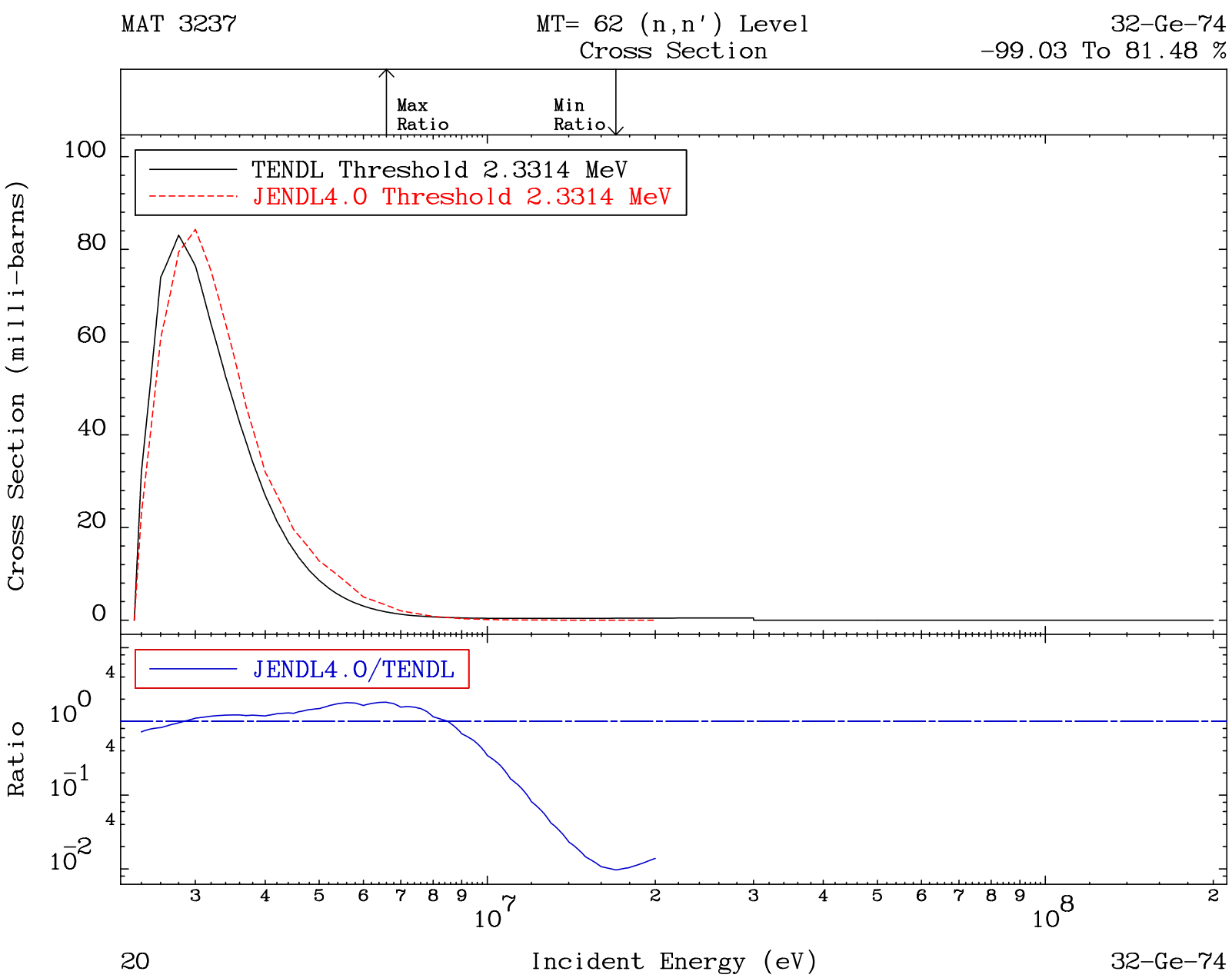

MAT 3237
MT= 57 (n,n') Level
Cross Section
32-Ge-74
-21.97 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 1.9391 MeV
JENDL4.0 Threshold 1.9391 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
15
32-Ge-74

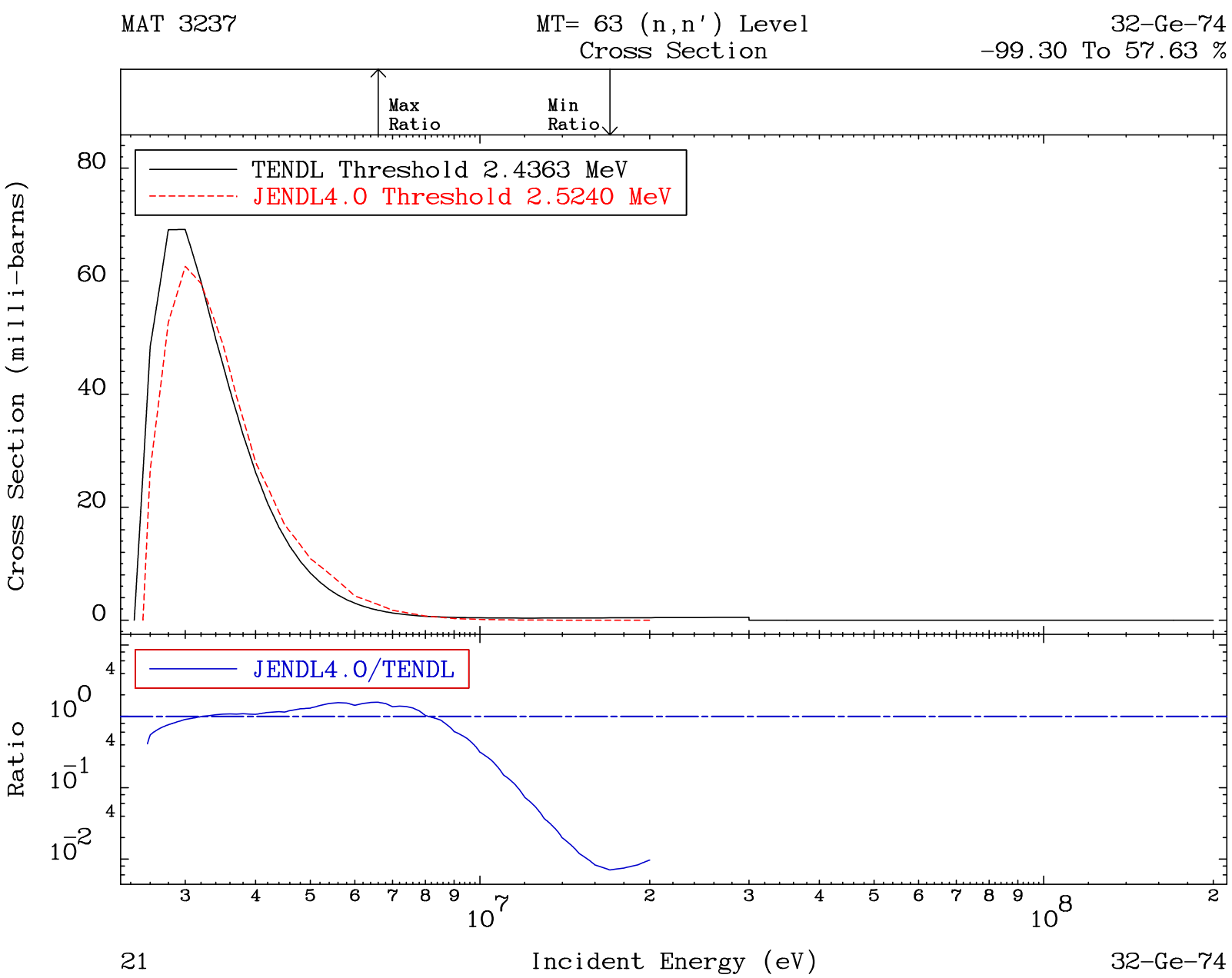

MAT 3237
MT= 58 (n,n') Level
Cross Section
32-Ge-74
-99.49 To 17.23 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.1945 MeV
JENDL4.0 Threshold 2.1945 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
16
Incident Energy (eV)
32-Ge-74

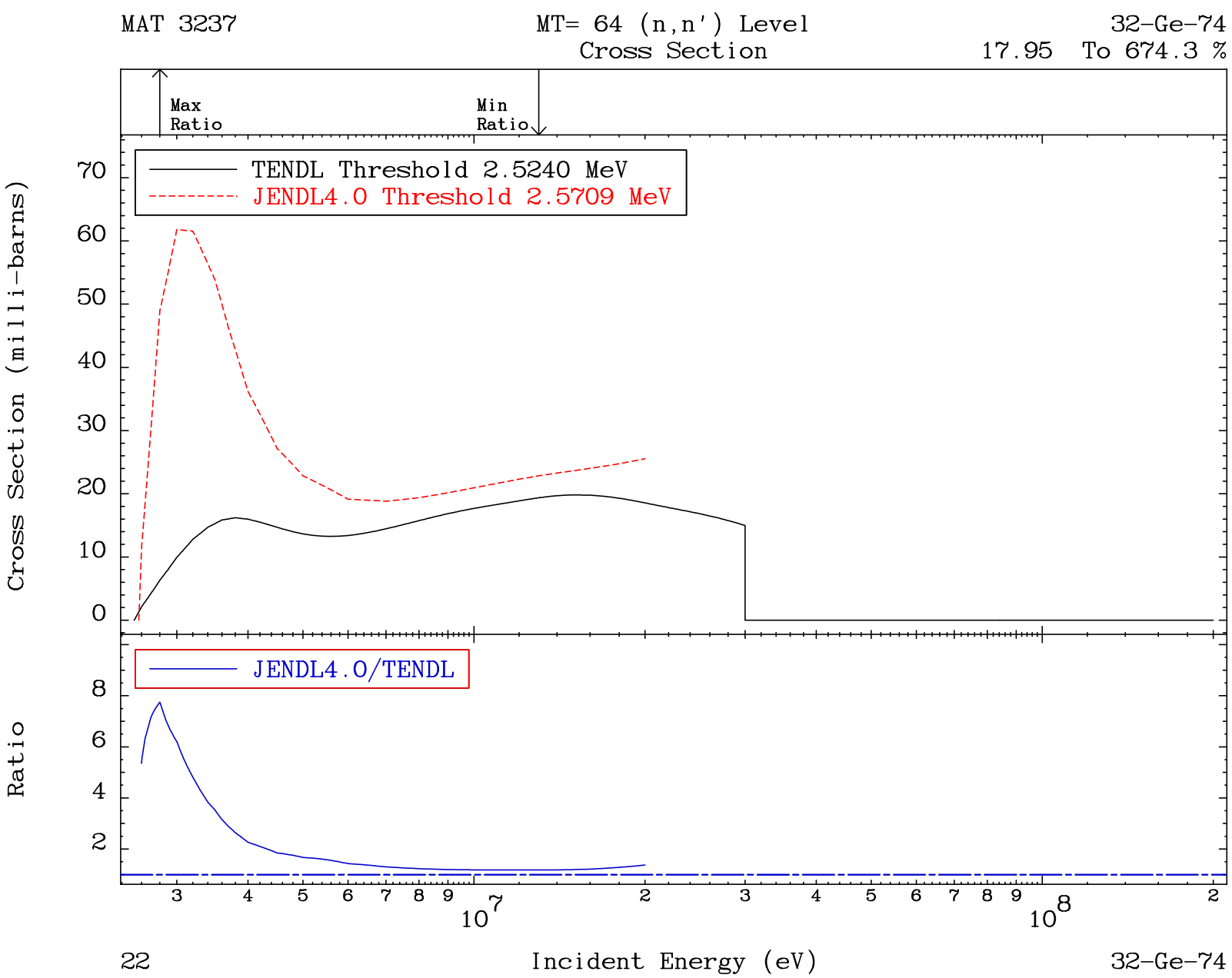

MAT 3237
MT= 59 (n,n') Level
Cross Section
32-Ge-74
-60.59 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.2114 MeV
JENDL4.0 Threshold 2.1949 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
32-Ge-74

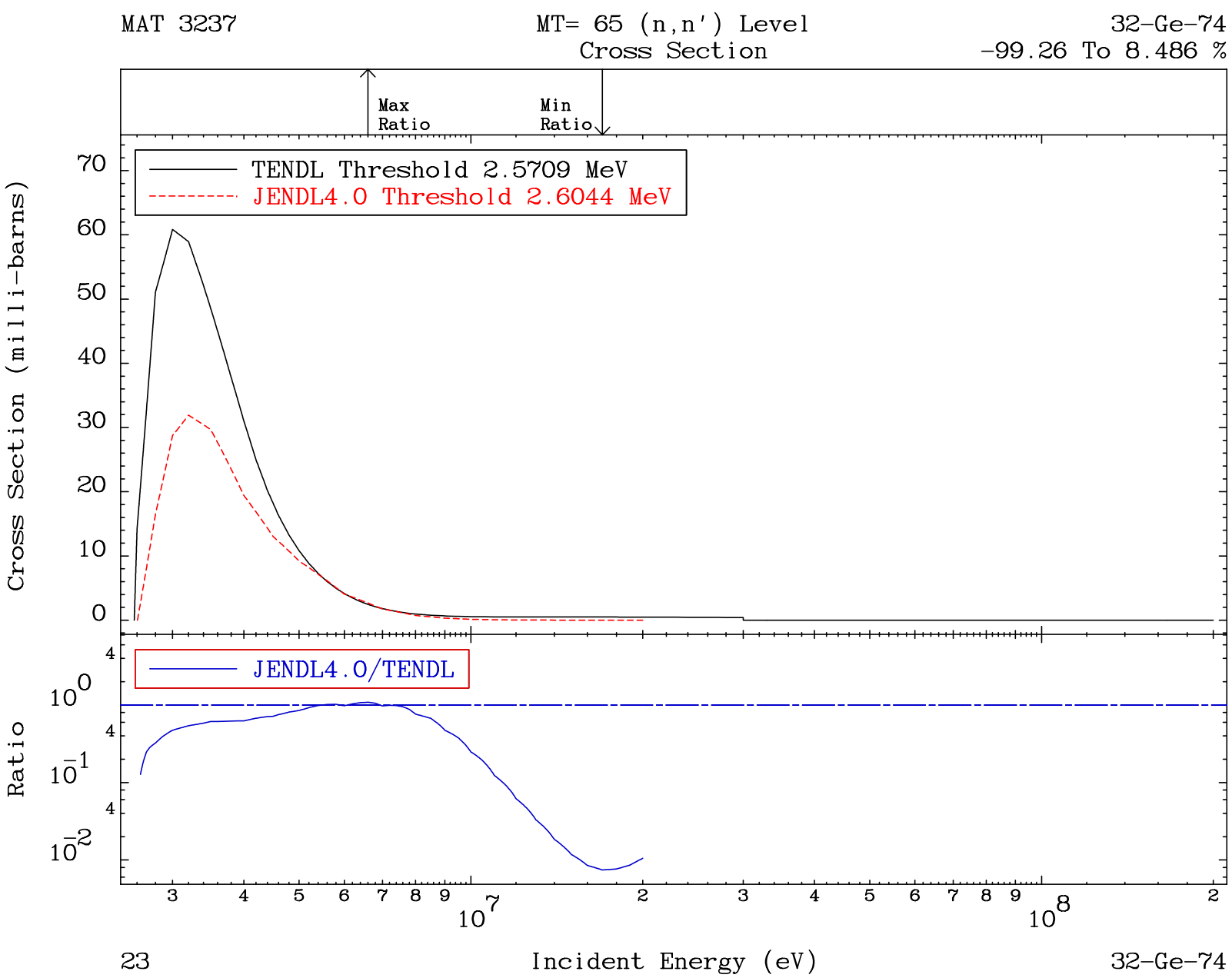

MAT 3237
MT= 60 (n,n') Level
Cross Section
32-Ge-74
-99.62 To 7.702 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.2279 MeV
JENDL4.0 Threshold 2.2279 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
18
Incident Energy (eV)
32-Ge-74

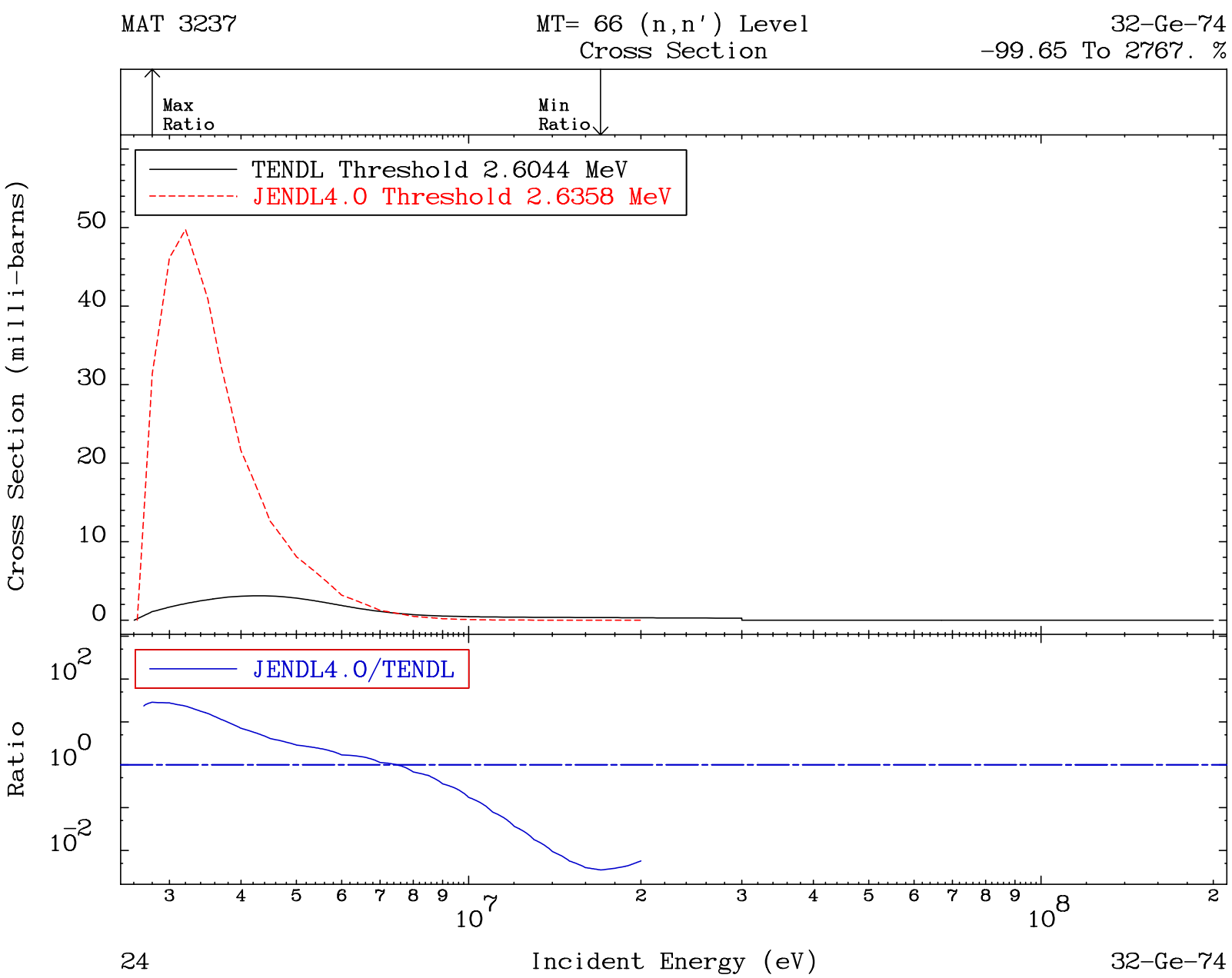

MAT 3237
MT= 61 (n,n') Level
Cross Section
32-Ge-74
-15.12 To 9822. %
Min Ratio
Max Ratio
TENDL Threshold 2.2582 MeV
JENDL4.0 Threshold 2.2582 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
19
32-Ge-74

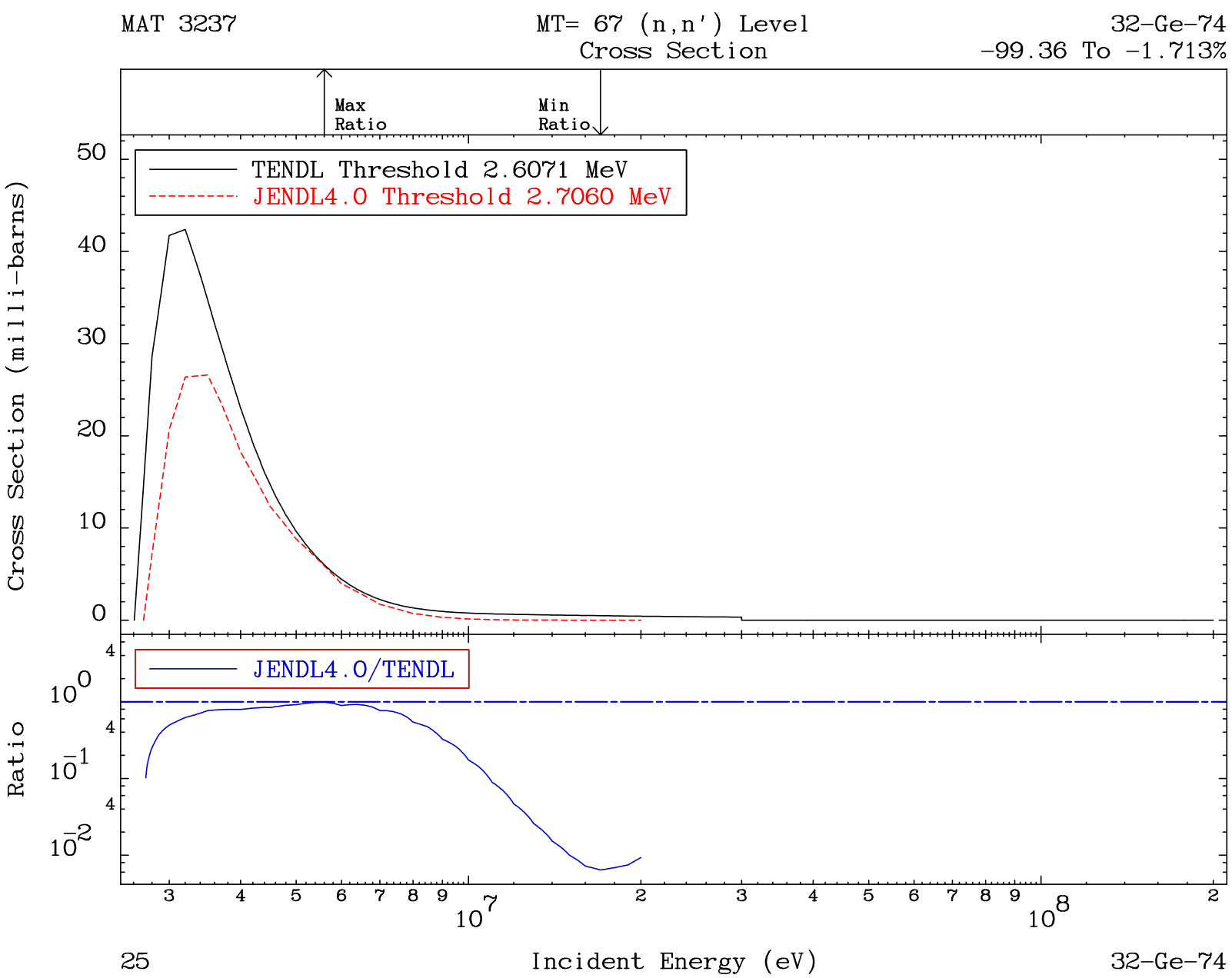

MAT 3237
MT= 62 (n,n') Level
Cross Section
32-Ge-74
-99.03 To 81.48 %
Max Ratio
Min Ratio
TENDL Threshold 2.3314 MeV
JENDL4.0 Threshold 2.3314 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
4
10^0
4
10^-1
4
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
32-Ge-74

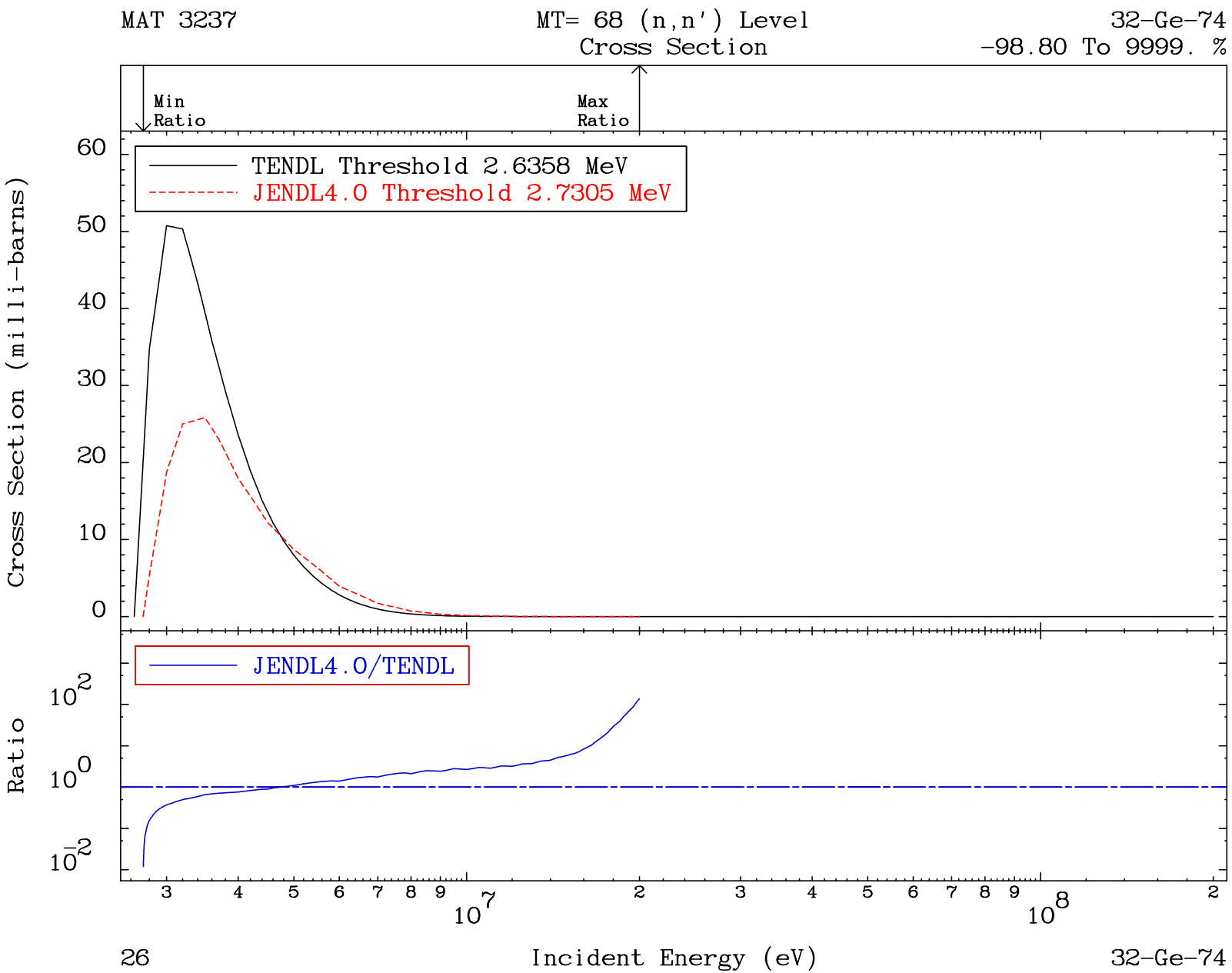

MAT 3237
MT= 63 (n,n') Level
Cross Section
32-Ge-74
-99.30 To 57.63 %
Max Ratio
Min Ratio
TENDL Threshold 2.4363 MeV
JENDL4.0 Threshold 2.5240 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
32-Ge-74

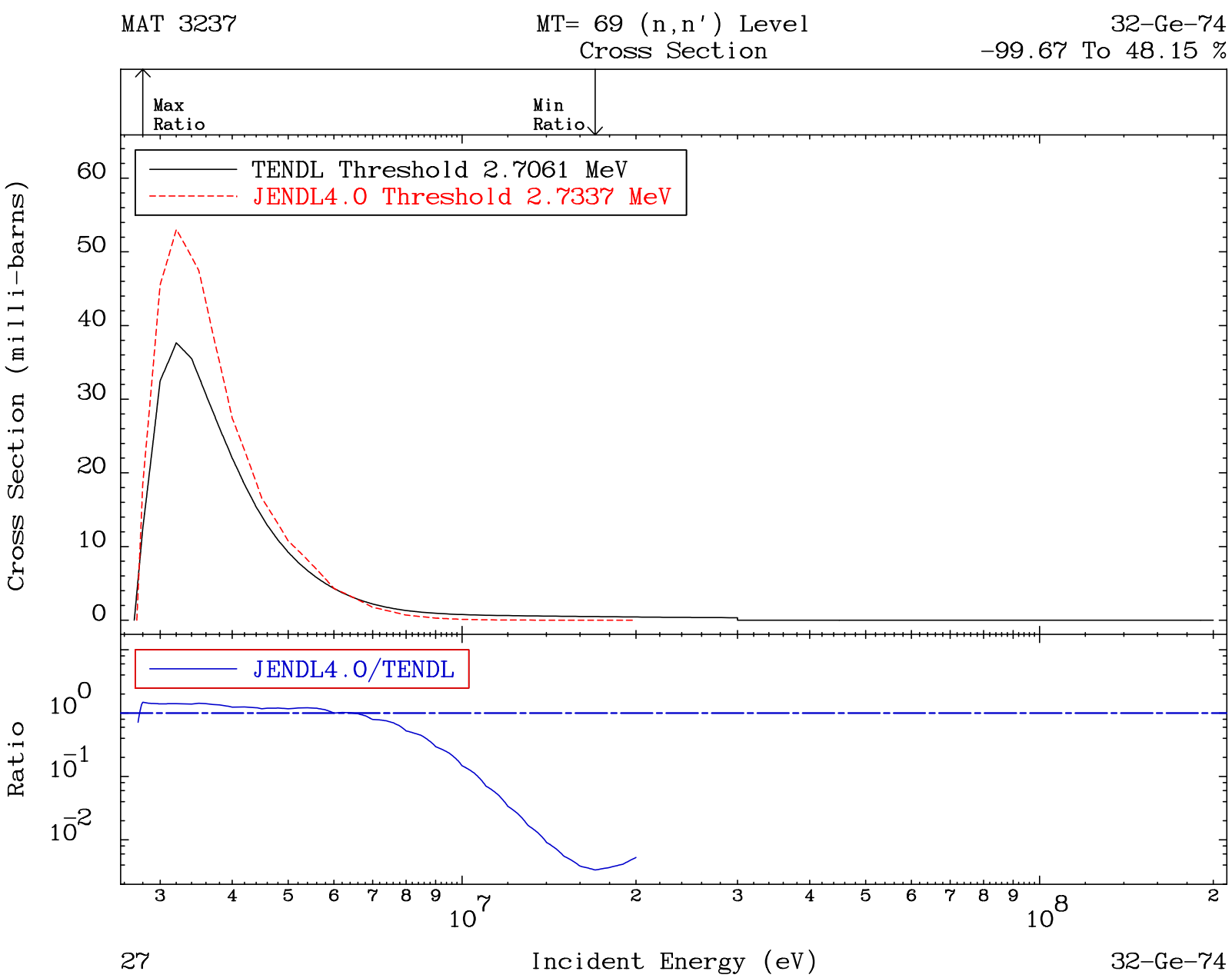

MAT 3237
MT= 64 (n,n') Level
Cross Section
32-Ge-74
17.95 To 674.3 %
Max Ratio
Min Ratio
TENDL Threshold 2.5240 MeV
JENDL4.0 Threshold 2.5709 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
8
6
4
2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
32-Ge-74

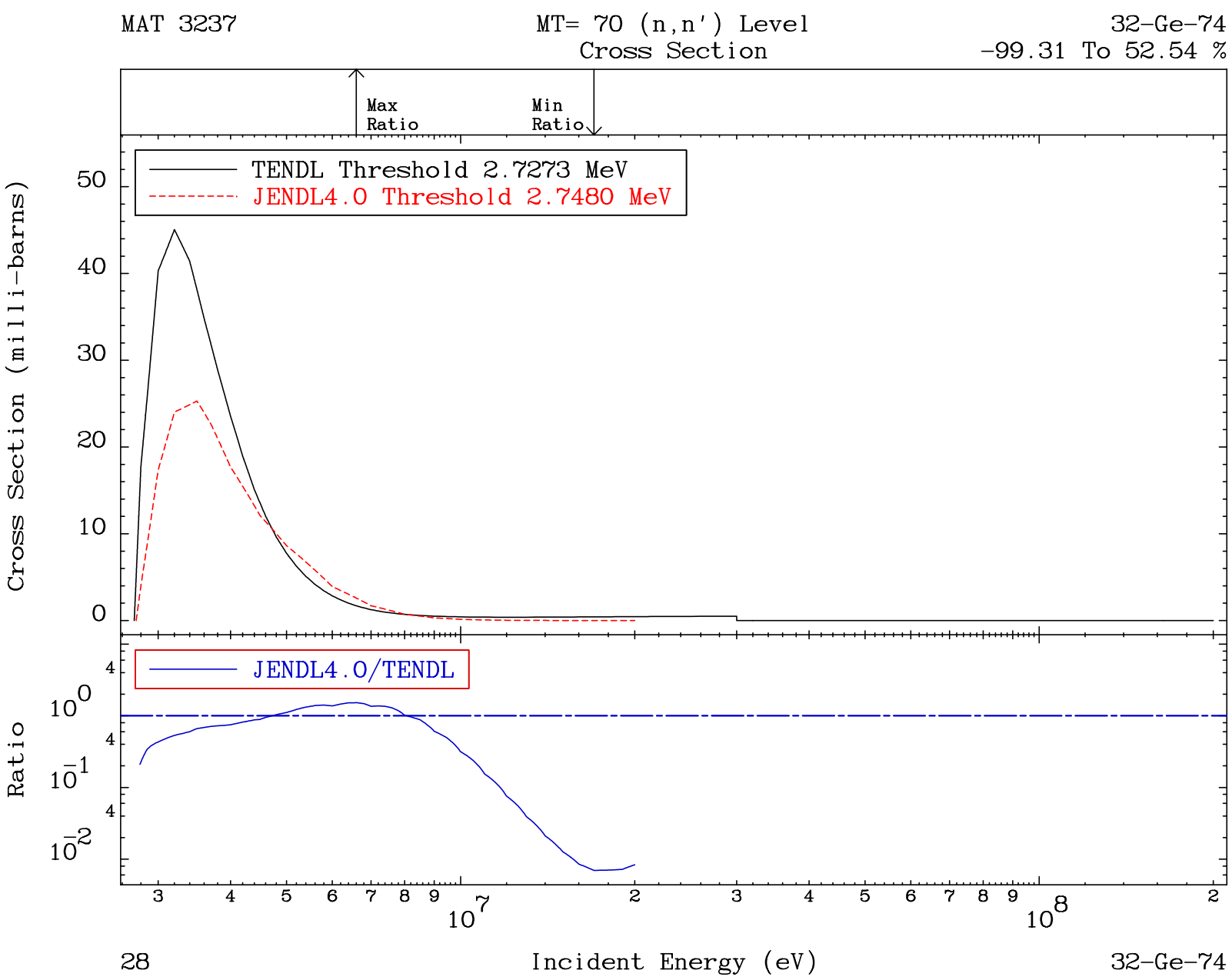

MAT 3237
MT= 65 (n,n') Level
Cross Section
32-Ge-74
-99.26 To 8.486 %
Max Ratio
Min Ratio
TENDL Threshold 2.5709 MeV
JENDL4.0 Threshold 2.6044 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
23
32-Ge-74

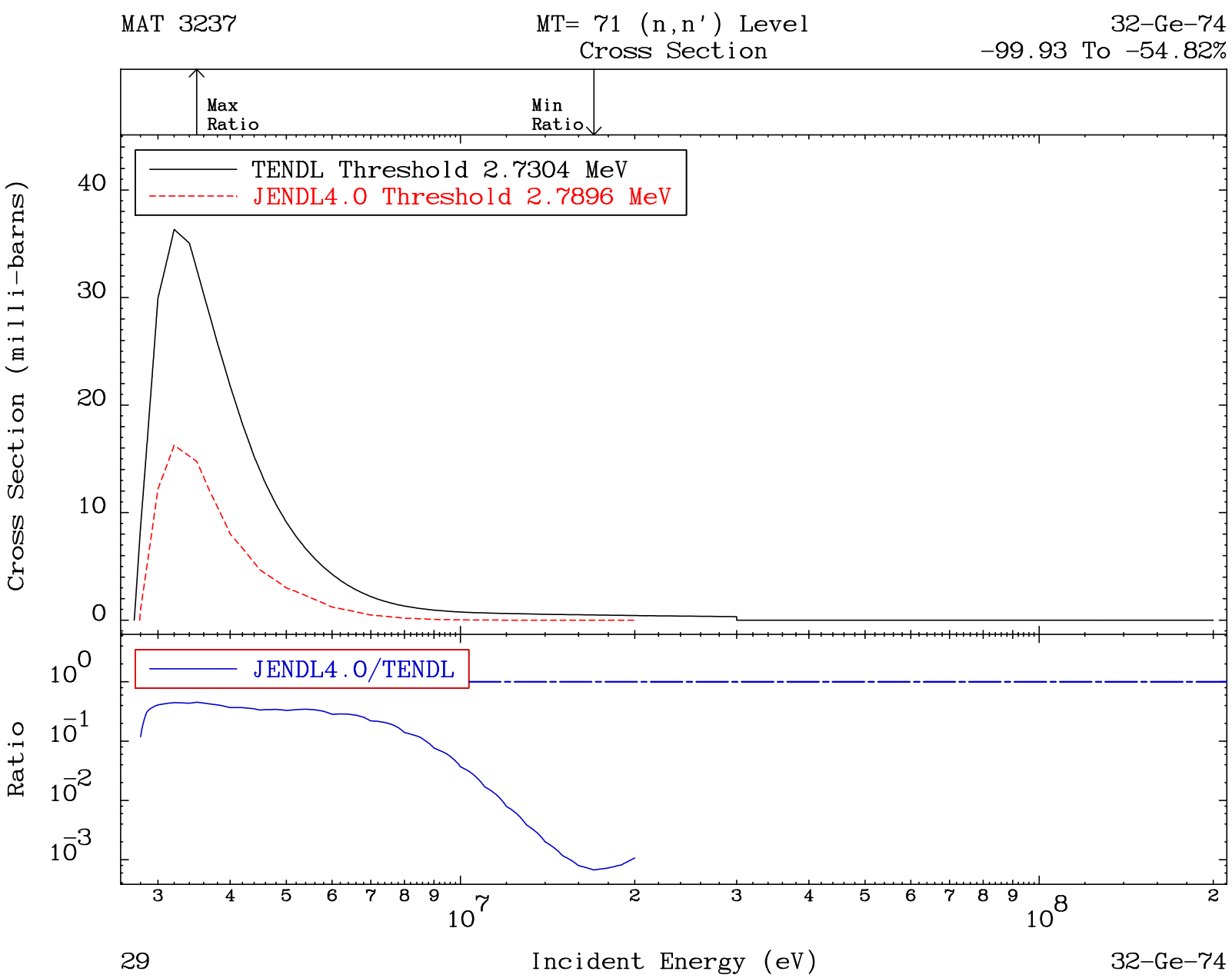

MAT 3237
MT= 66 (n,n') Level
Cross Section
32-Ge-74
-99.65 To 2767. %
Max Ratio
Min Ratio
TENDL Threshold 2.6044 MeV
JENDL4.0 Threshold 2.6358 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^2
10^0
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
32-Ge-74

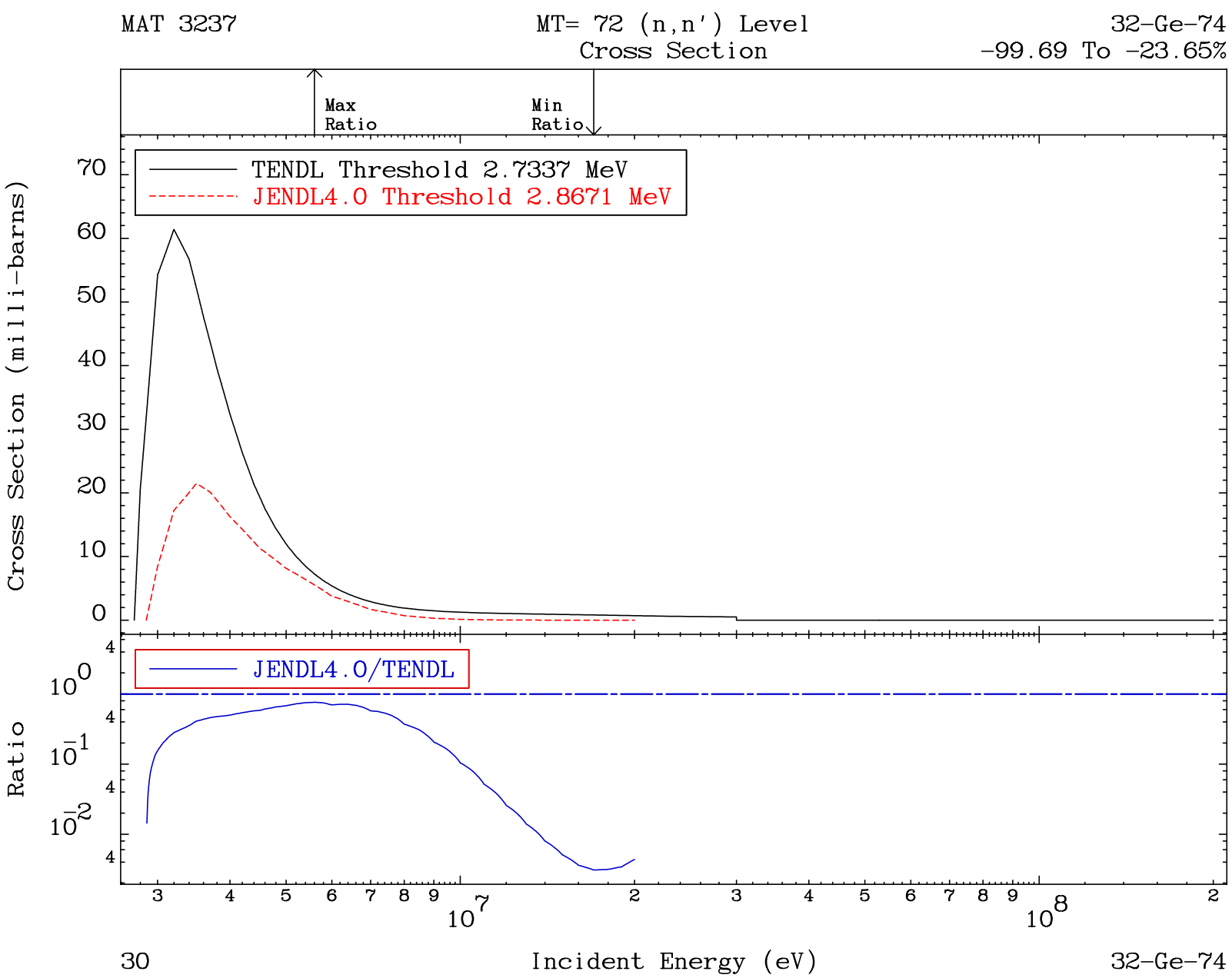

MAT 3237
MT= 67 (n,n') Level
Cross Section
32-Ge-74
-99.36 To -1.713%
Max
Ratio
Min
Ratio
TENDL Threshold 2.6071 MeV
JENDL4.0 Threshold 2.7060 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
25
32-Ge-74

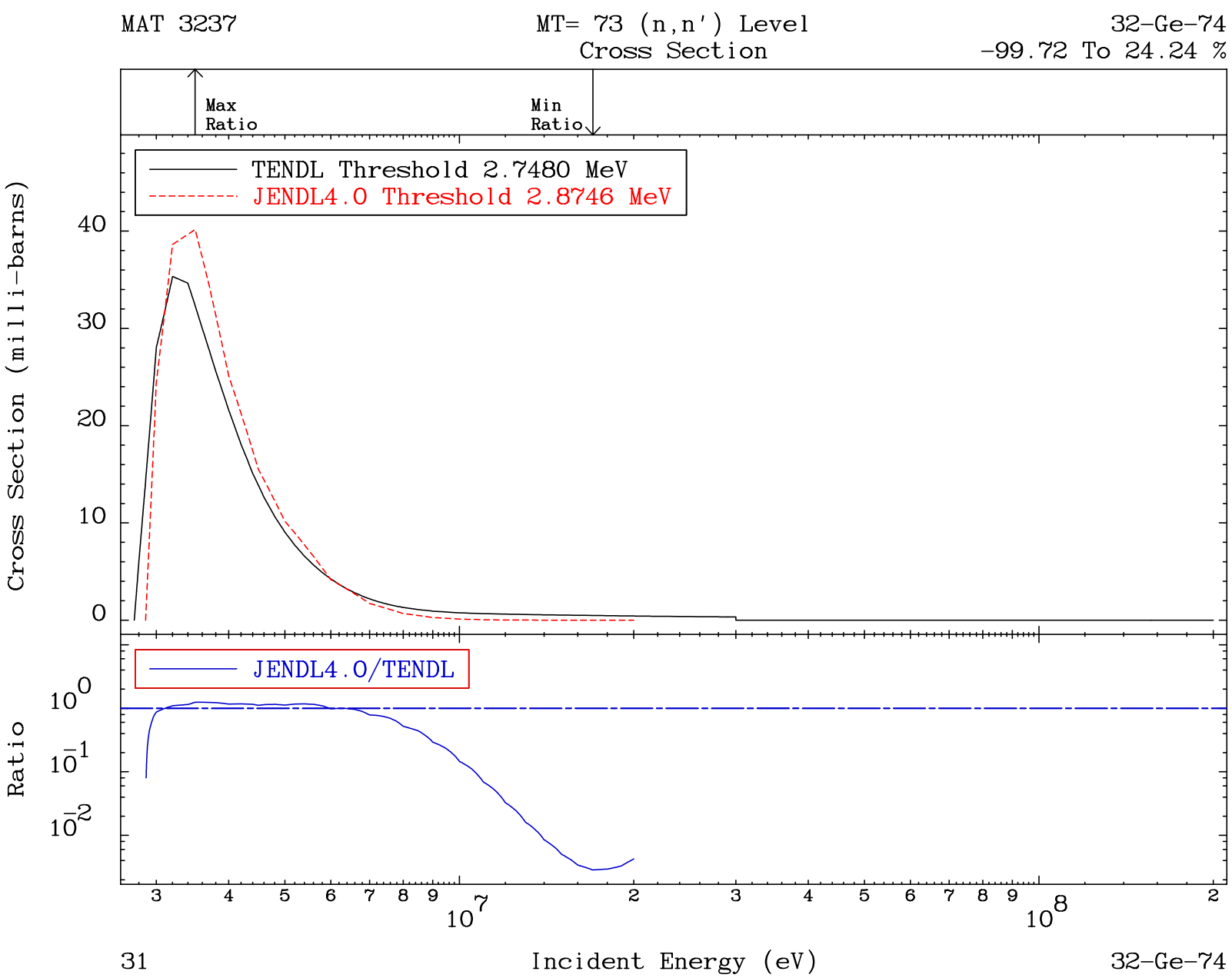

MAT 3237
MT= 68 (n,n') Level
Cross Section
32-Ge-74
-98.80 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6358 MeV
JENDL4.0 Threshold 2.7305 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^2
10^0
10^-2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
26
Incident Energy (eV)
32-Ge-74

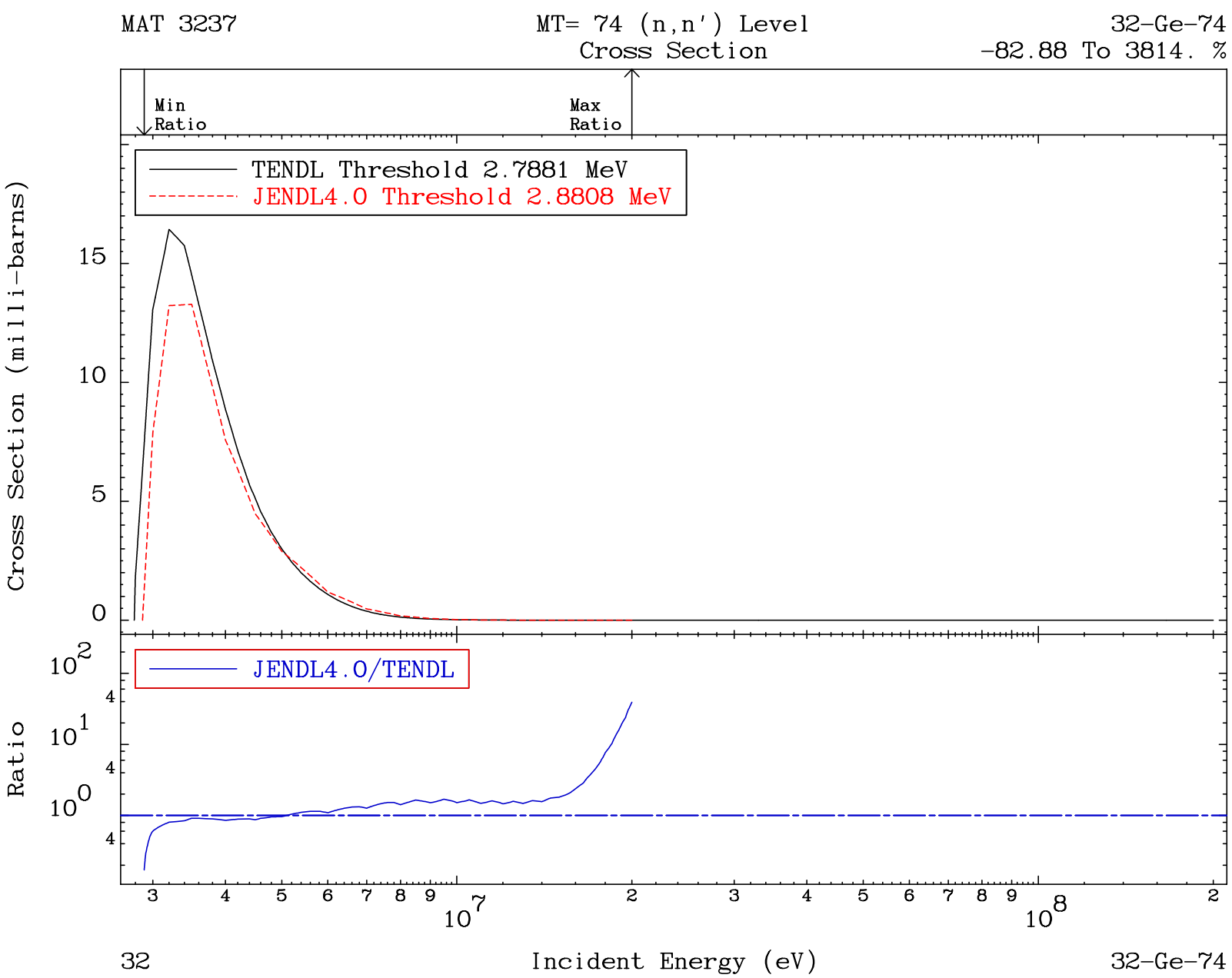

MAT 3237
MT= 69 (n,n') Level
Cross Section
32-Ge-74
-99.67 To 48.15 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.7061 MeV
JENDL4.0 Threshold 2.7337 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
27
Incident Energy (eV)
32-Ge-74

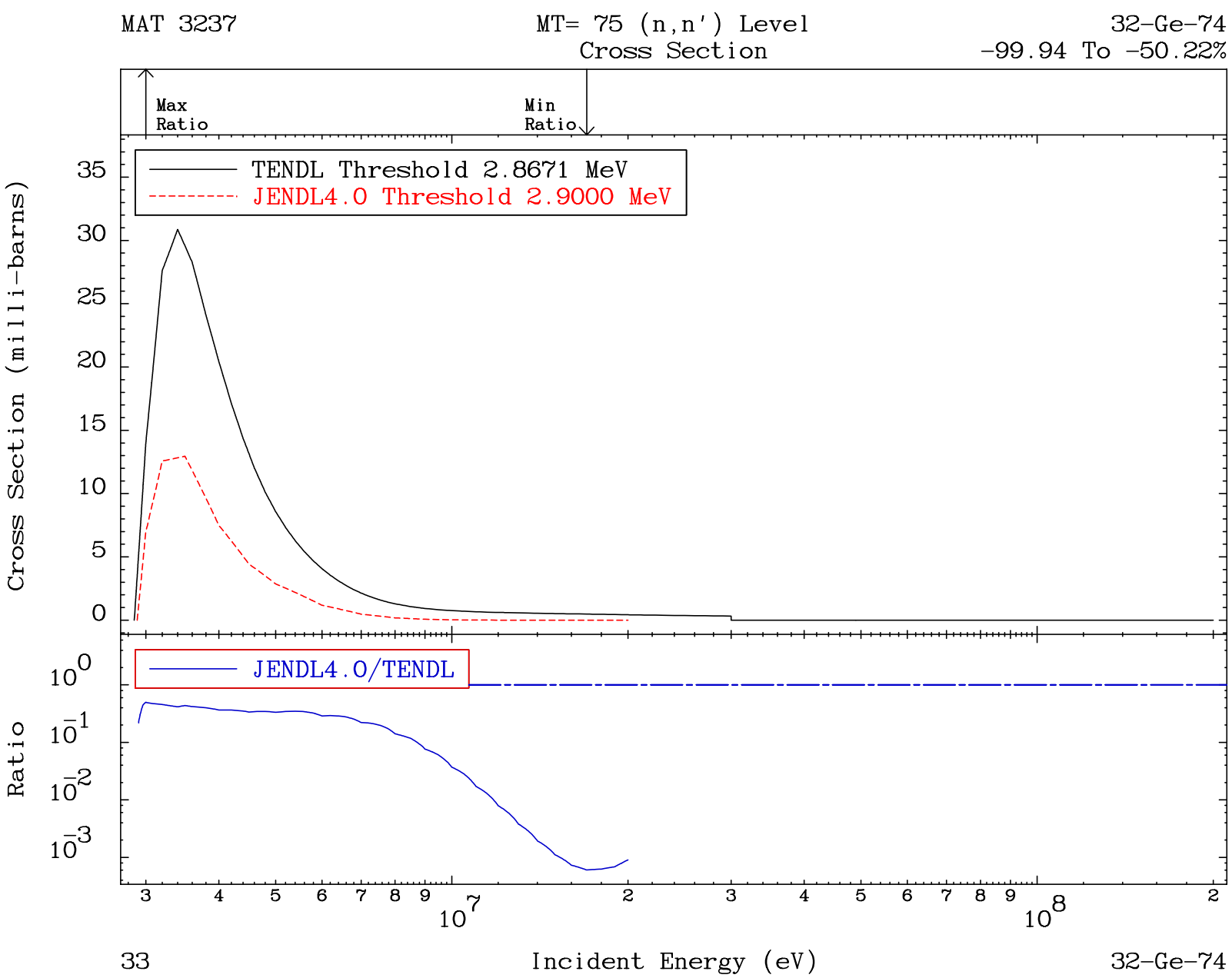

MAT 3237
MT= 70 (n,n') Level
Cross Section
32-Ge-74
-99.31 To 52.54 %
Max Ratio
Min Ratio
TENDL Threshold 2.7273 MeV
JENDL4.0 Threshold 2.7480 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
28
32-Ge-74

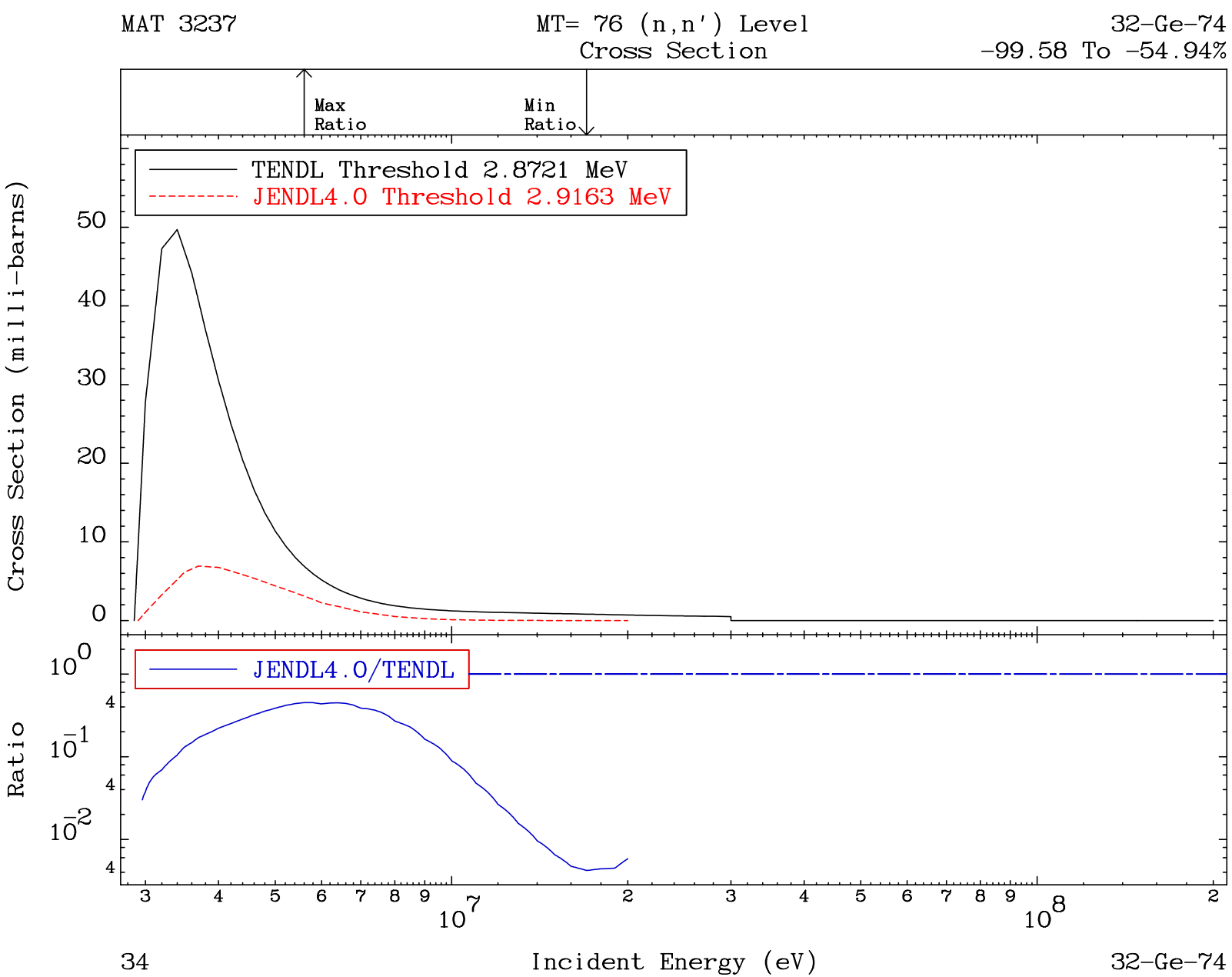

MAT 3237
MT= 71 (n,n') Level
Cross Section
32-Ge-74
-99.93 To -54.82%
Max
Ratio
Min
Ratio
TENDL Threshold 2.7304 MeV
JENDL4.0 Threshold 2.7896 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
10^-3
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
29
Incident Energy (eV)
32-Ge-74

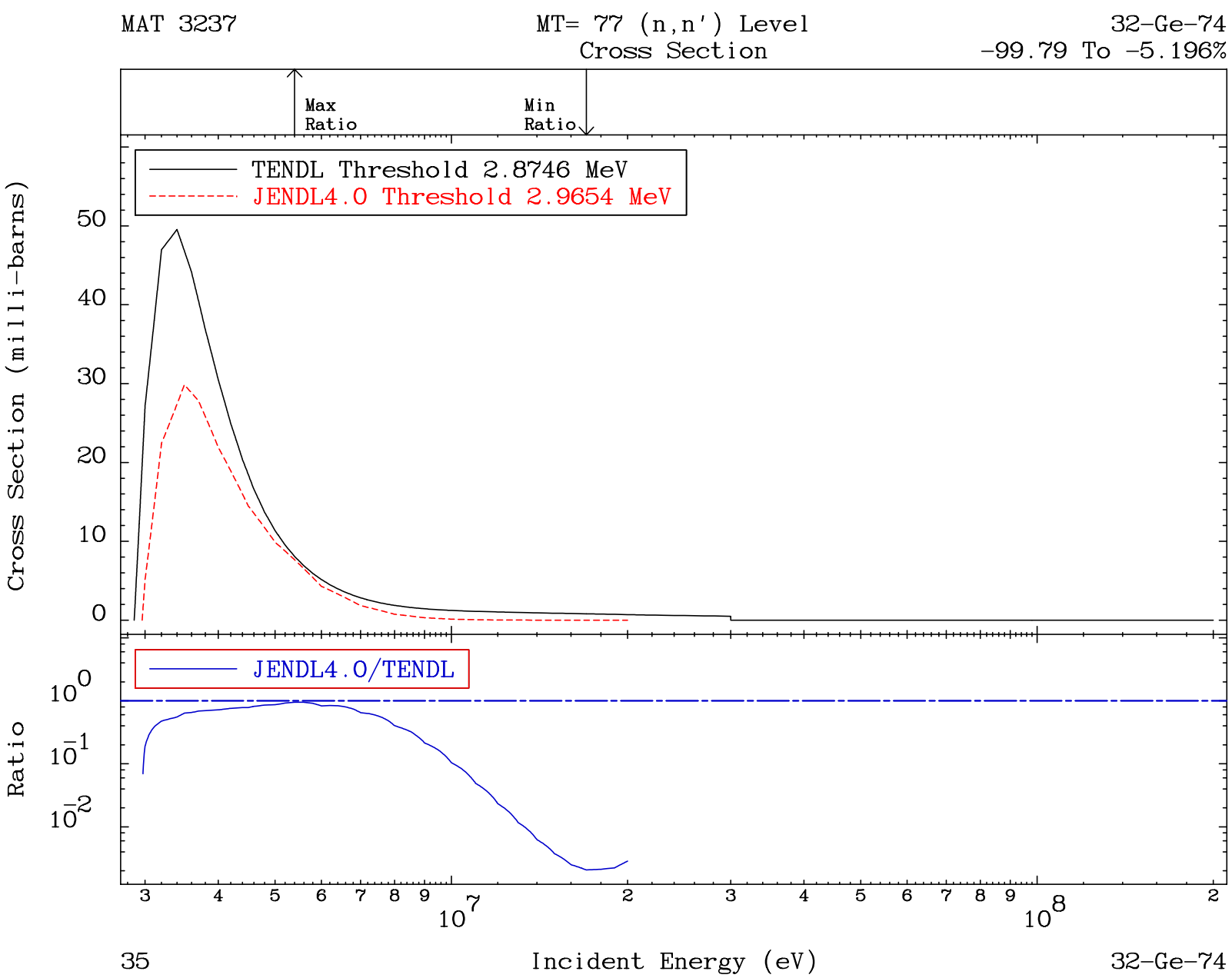

MAT 3237
MT= 72 (n,n') Level
Cross Section
32-Ge-74
-99.69 To -23.65%
Max Ratio
Min Ratio
TENDL Threshold 2.7337 MeV
JENDL4.0 Threshold 2.8671 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
30
32-Ge-74

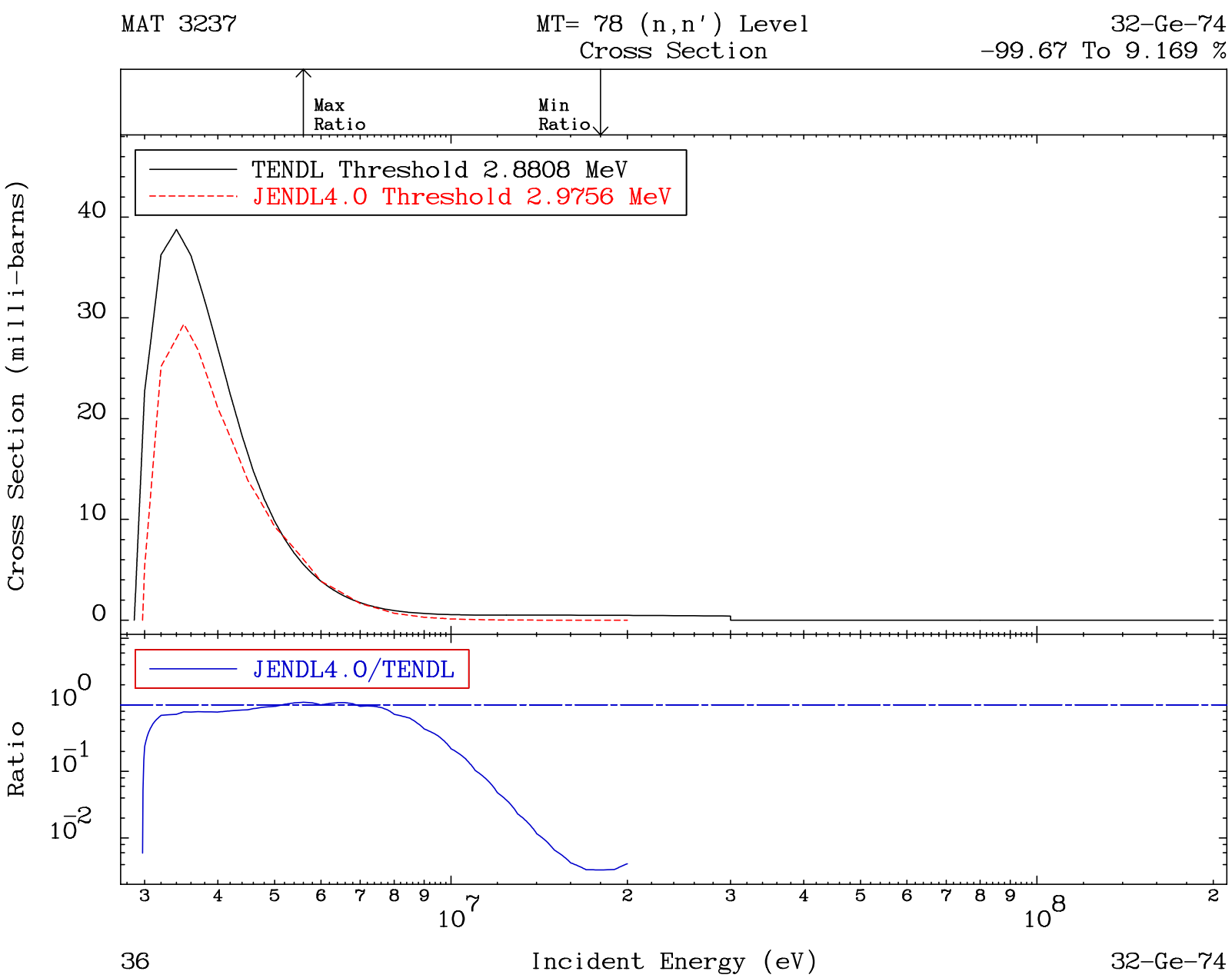

MAT 3237
MT= 73 (n,n') Level
Cross Section
32-Ge-74
-99.72 To 24.24 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.7480 MeV
JENDL4.0 Threshold 2.8746 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
31
Incident Energy (eV)
32-Ge-74

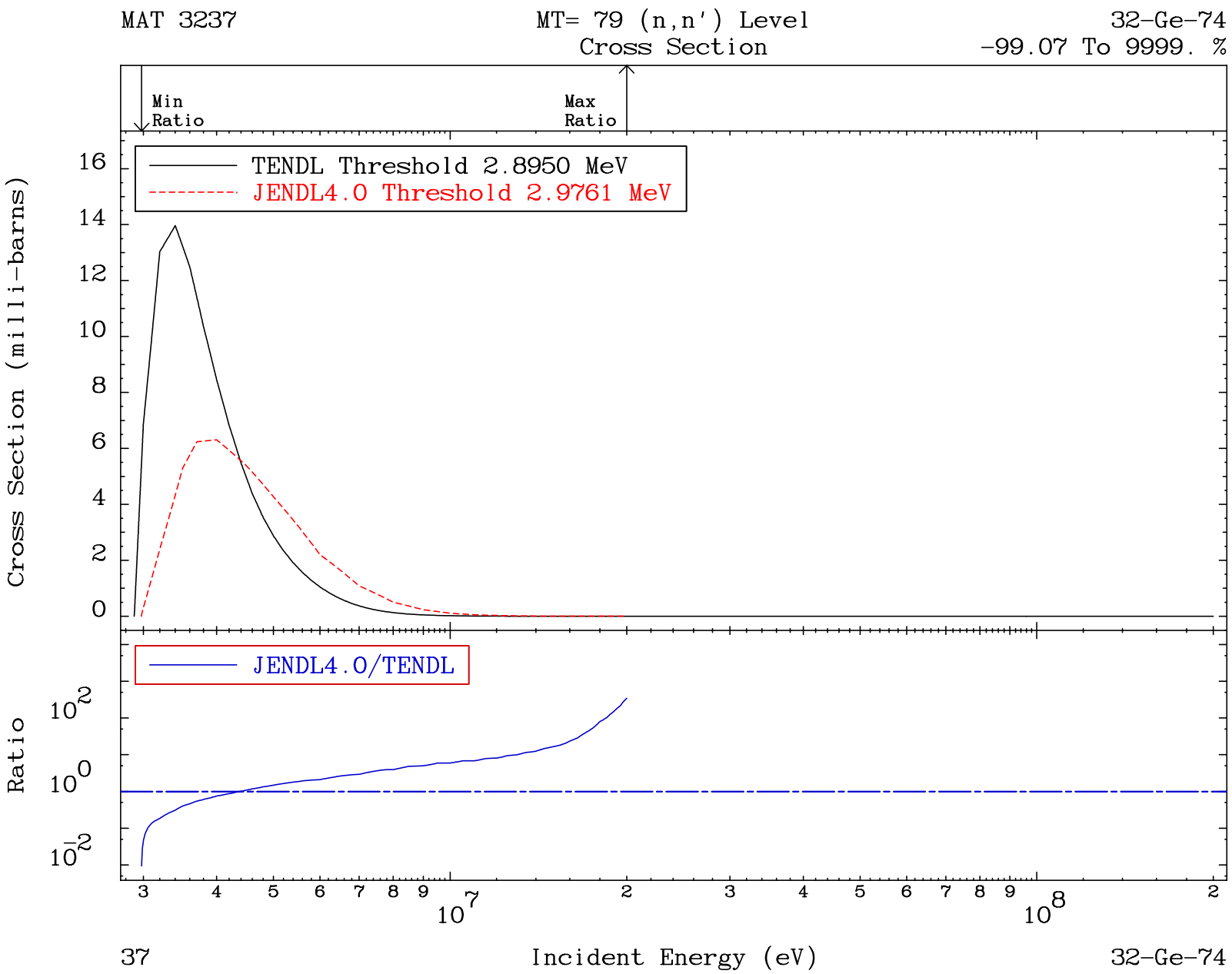

MAT 3237
MT= 74 (n,n') Level
Cross Section
32-Ge-74
-82.88 To 3814. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7881 MeV
JENDL4.0 Threshold 2.8808 MeV
Cross Section (milli-barns)
15
10
5
0
JENDL4.0/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
32-Ge-74

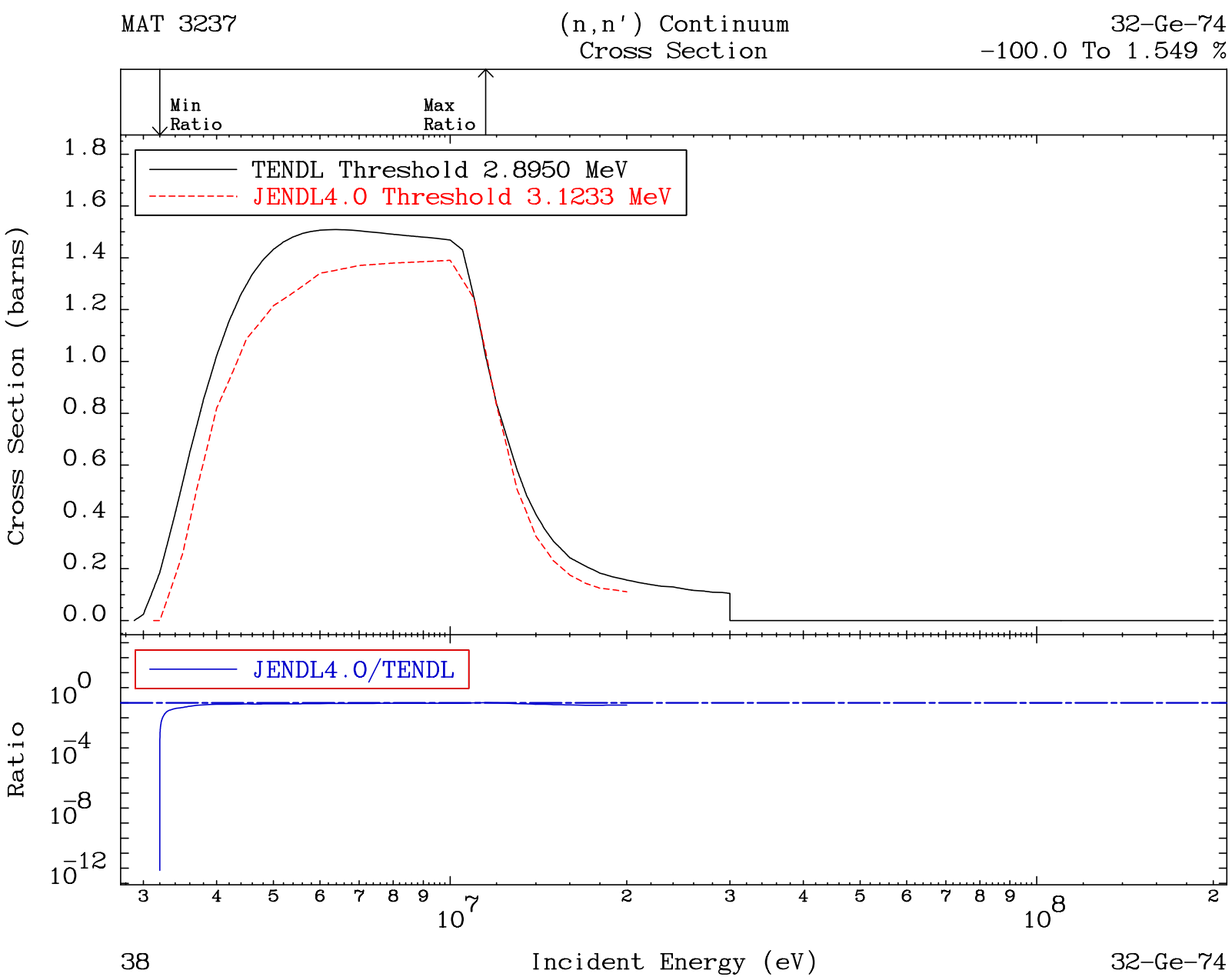

MAT 3237
MT= 75 (n,n') Level
Cross Section
32-Ge-74
-99.94 To -50.22%
Max
Ratio
Min
Ratio
TENDL Threshold 2.8671 MeV
JENDL4.0 Threshold 2.9000 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
10^-3
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
32-Ge-74

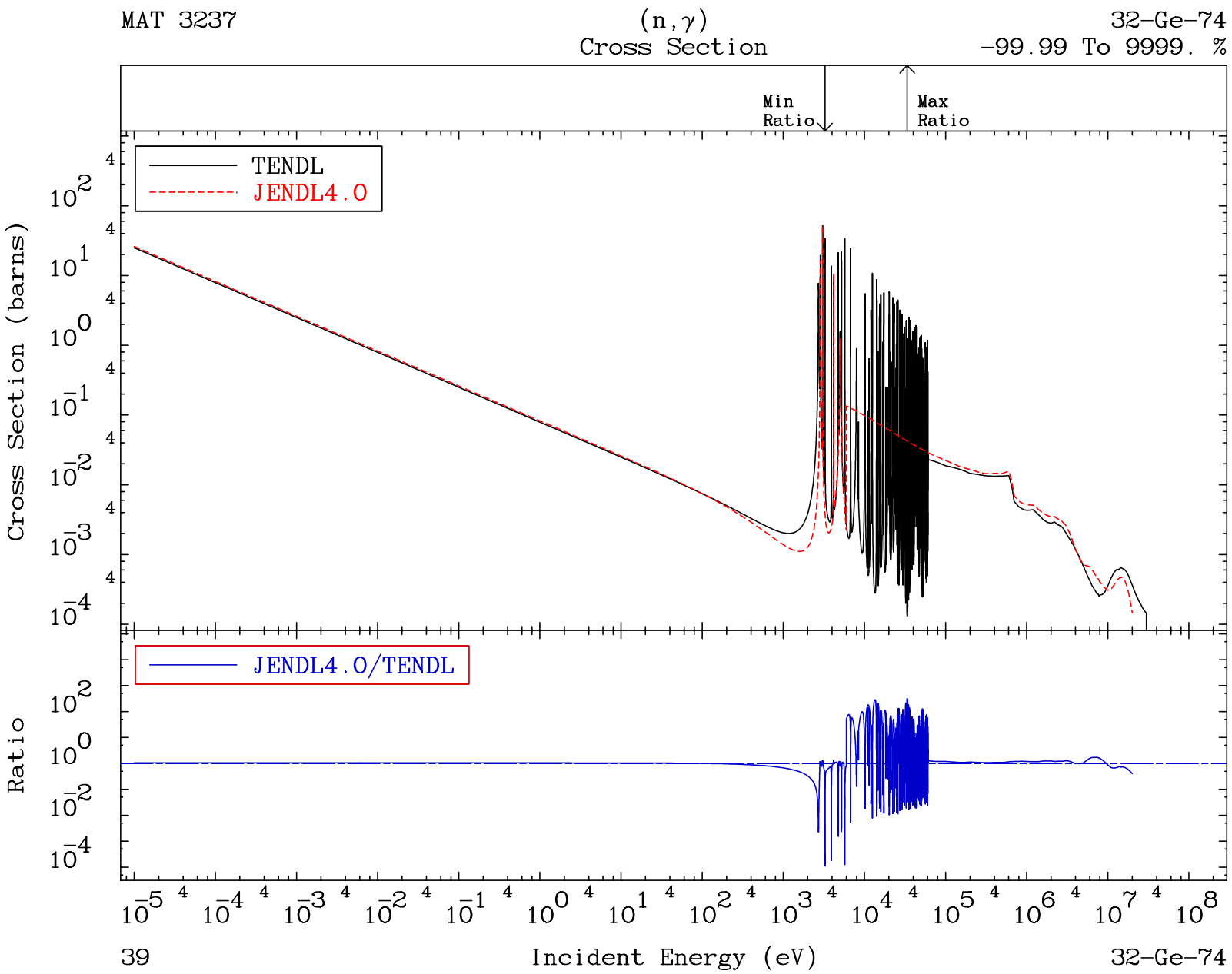

MAT 3237
MT= 76 (n,n') Level
Cross Section
32-Ge-74
-99.58 To -54.94%
Max
Ratio
Min
Ratio
TENDL Threshold 2.8721 MeV
JENDL4.0 Threshold 2.9163 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
32-Ge-74

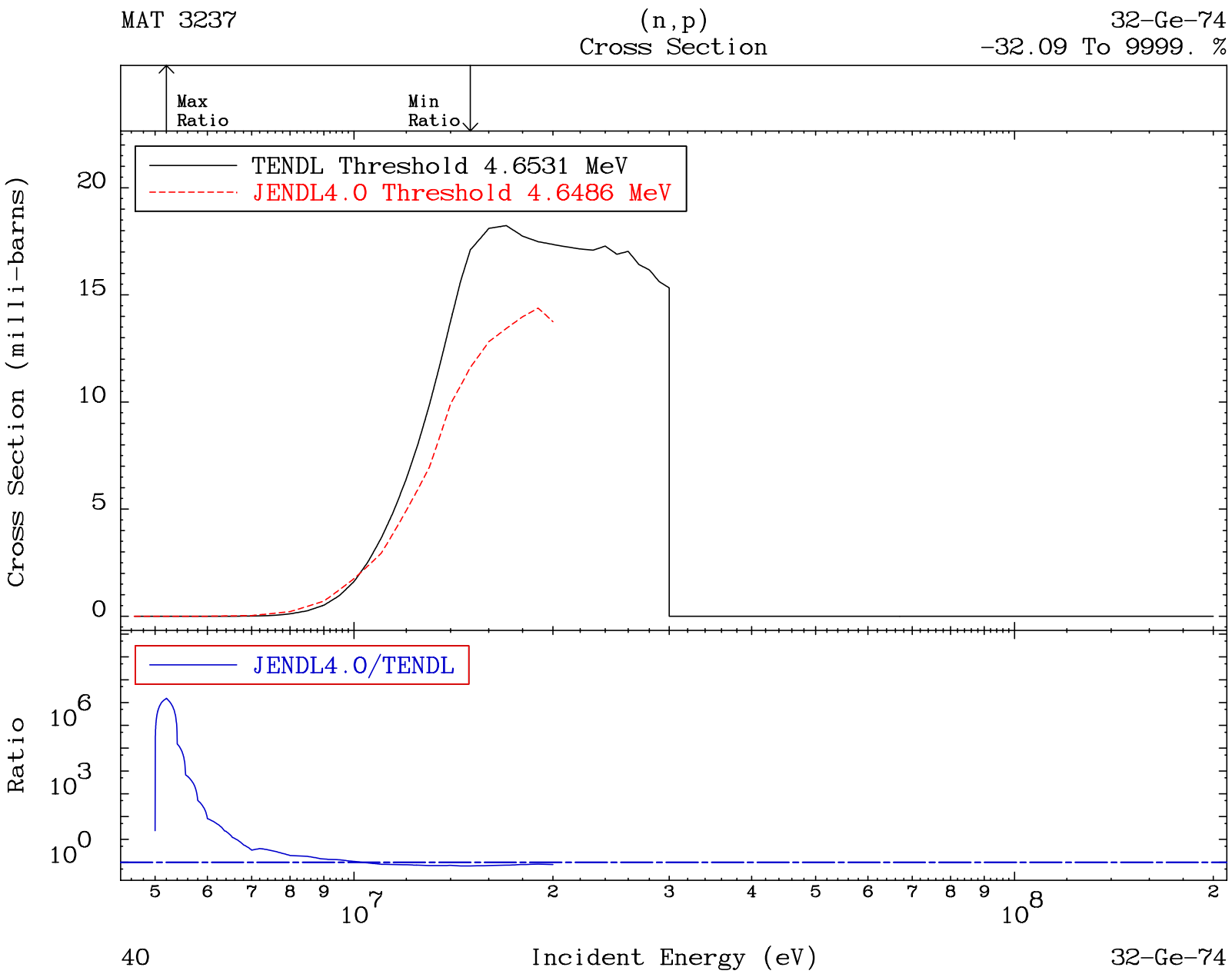

MAT 3237
MT= 77 (n,n') Level
Cross Section
32-Ge-74
-99.79 To -5.196%
Max Ratio
Min Ratio
TENDL Threshold 2.8746 MeV
JENDL4.0 Threshold 2.9654 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
32-Ge-74

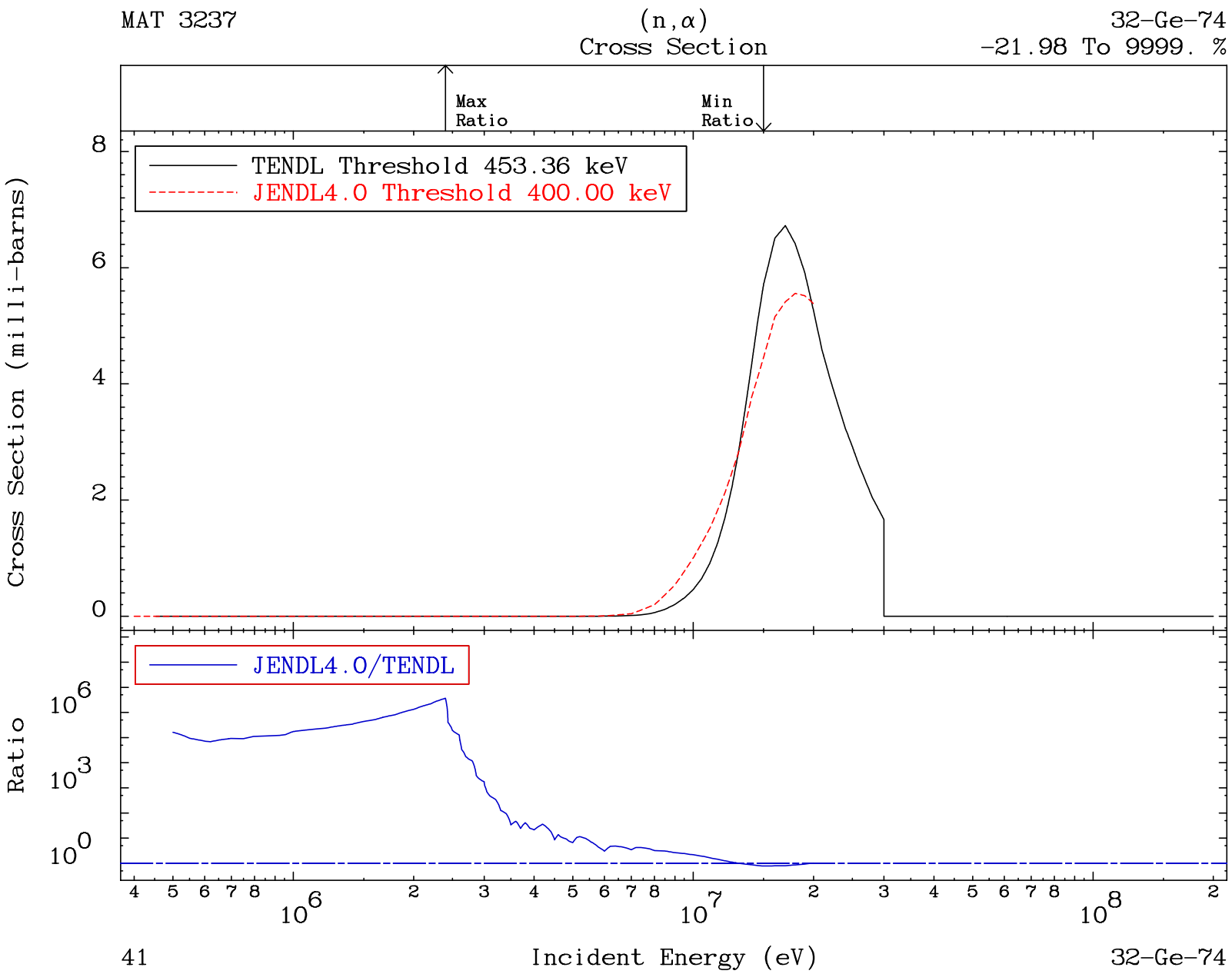

MAT 3237
MT= 78 (n,n') Level
Cross Section
32-Ge-74
-99.67 To 9.169 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.8808 MeV
JENDL4.0 Threshold 2.9756 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
32-Ge-74

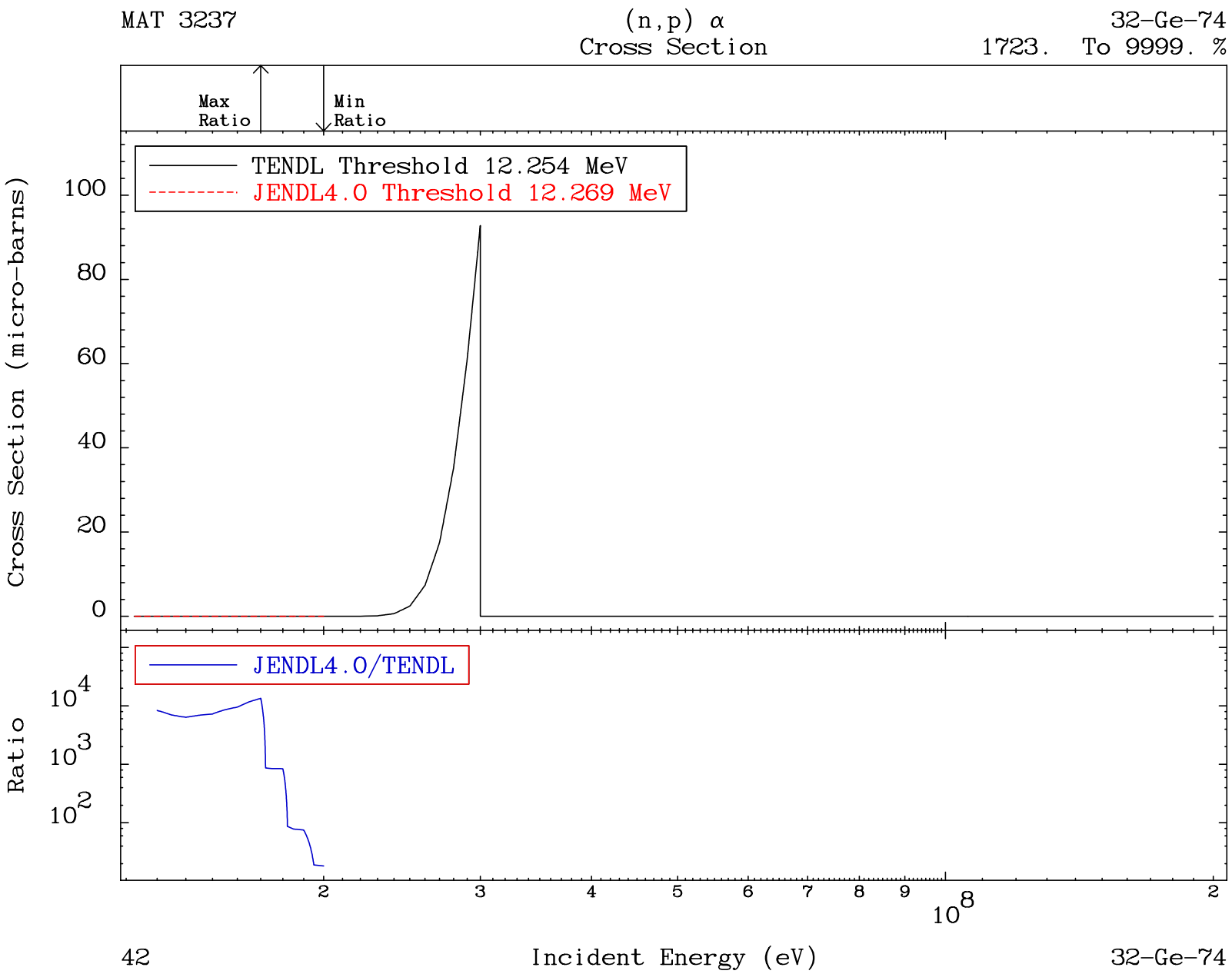

MAT 3237
MT= 79 (n,n') Level
Cross Section
32-Ge-74
-99.07 To 9999. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8950 MeV
JENDL4.0 Threshold 2.9761 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
37
32-Ge-74

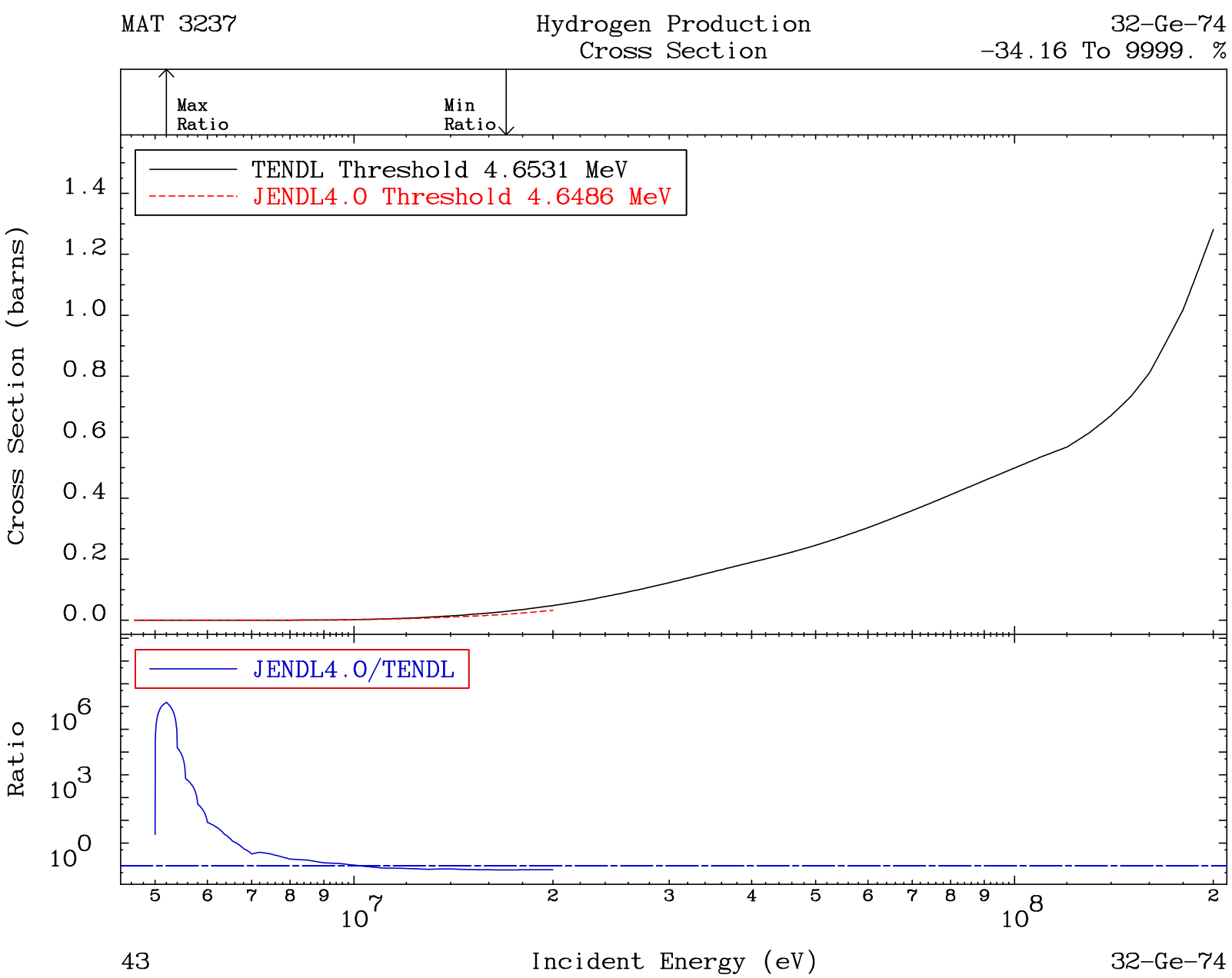

MAT 3237
(n,n') Continuum
Cross Section
32-Ge-74
-100.0 To 1.549 %
Min Ratio
Max Ratio
TENDL Threshold 2.8950 MeV
JENDL4.0 Threshold 3.1233 MeV
Cross Section (barns)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
10^0
10^-4
10^-8
10^-12
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
32-Ge-74

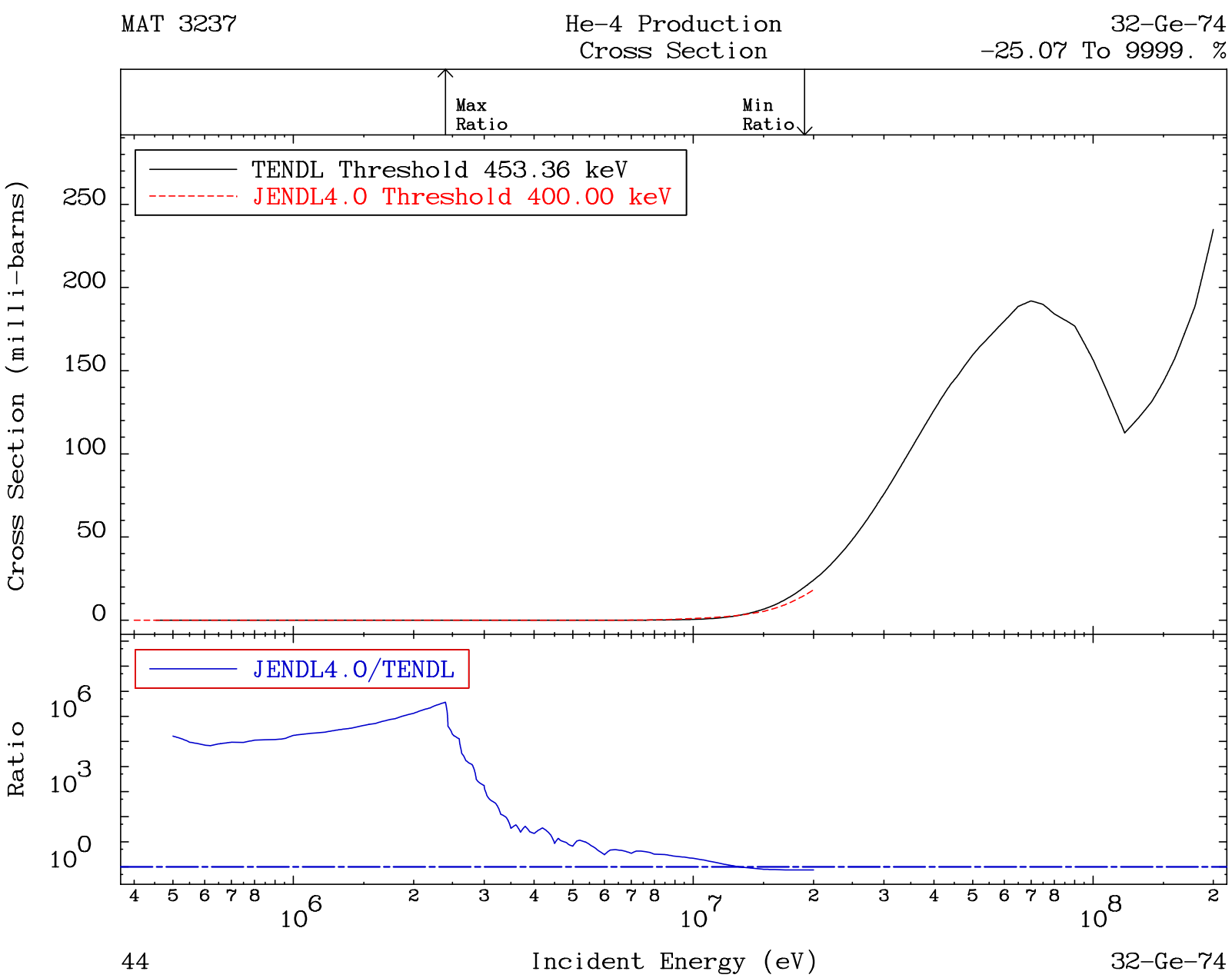

MAT 3237
(n,γ)
Cross Section
32-Ge-74
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
39
32-Ge-74

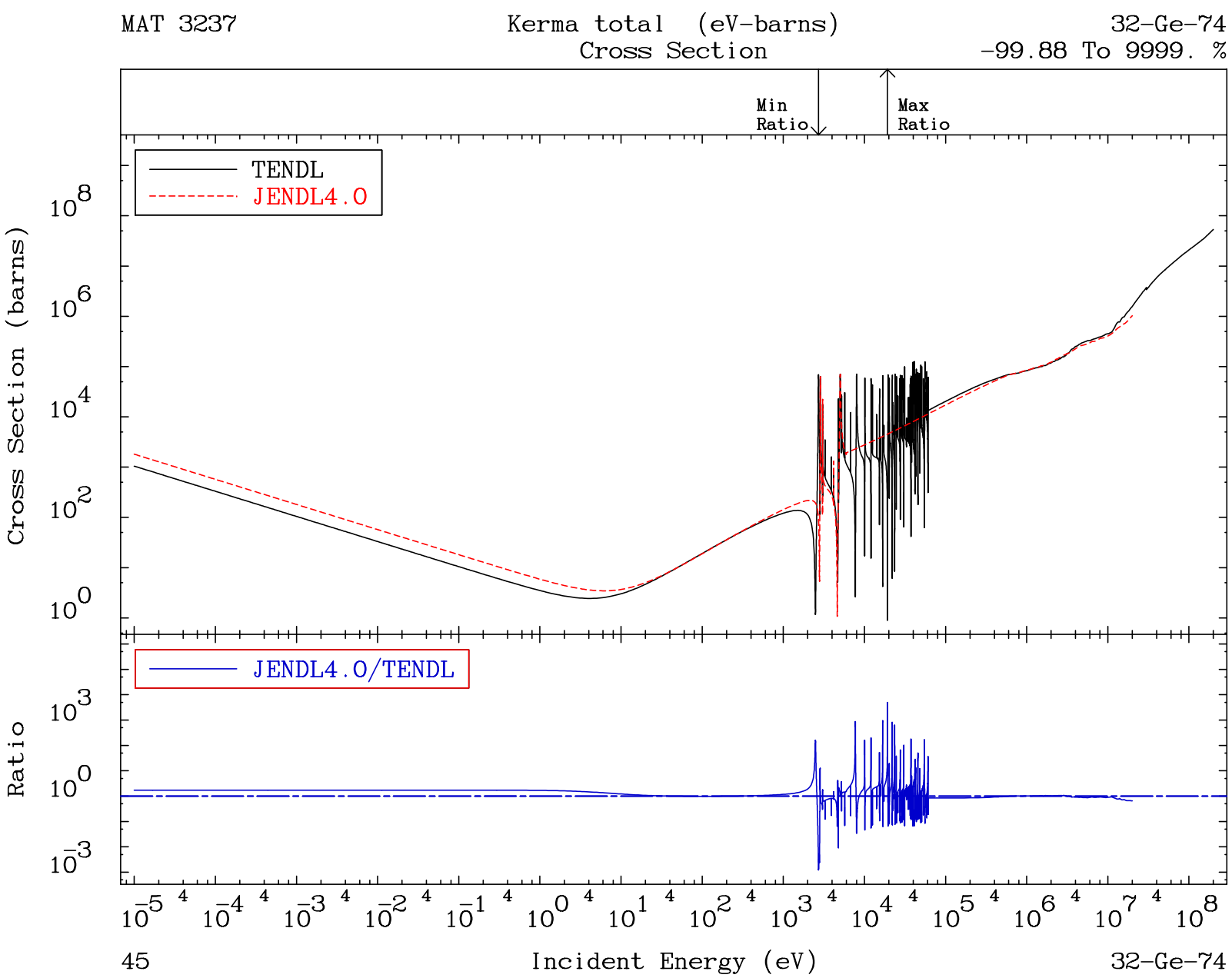

MAT 3237
(n,p)
Cross Section
32-Ge-74
-32.09 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.6531 MeV
JENDL4.0 Threshold 4.6486 MeV
Cross Section (milli-barns)
20
15
10
5
0
JENDL4.0/TENDL
Ratio
10^6
10^3
10^0
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
40
Incident Energy (eV)
32-Ge-74

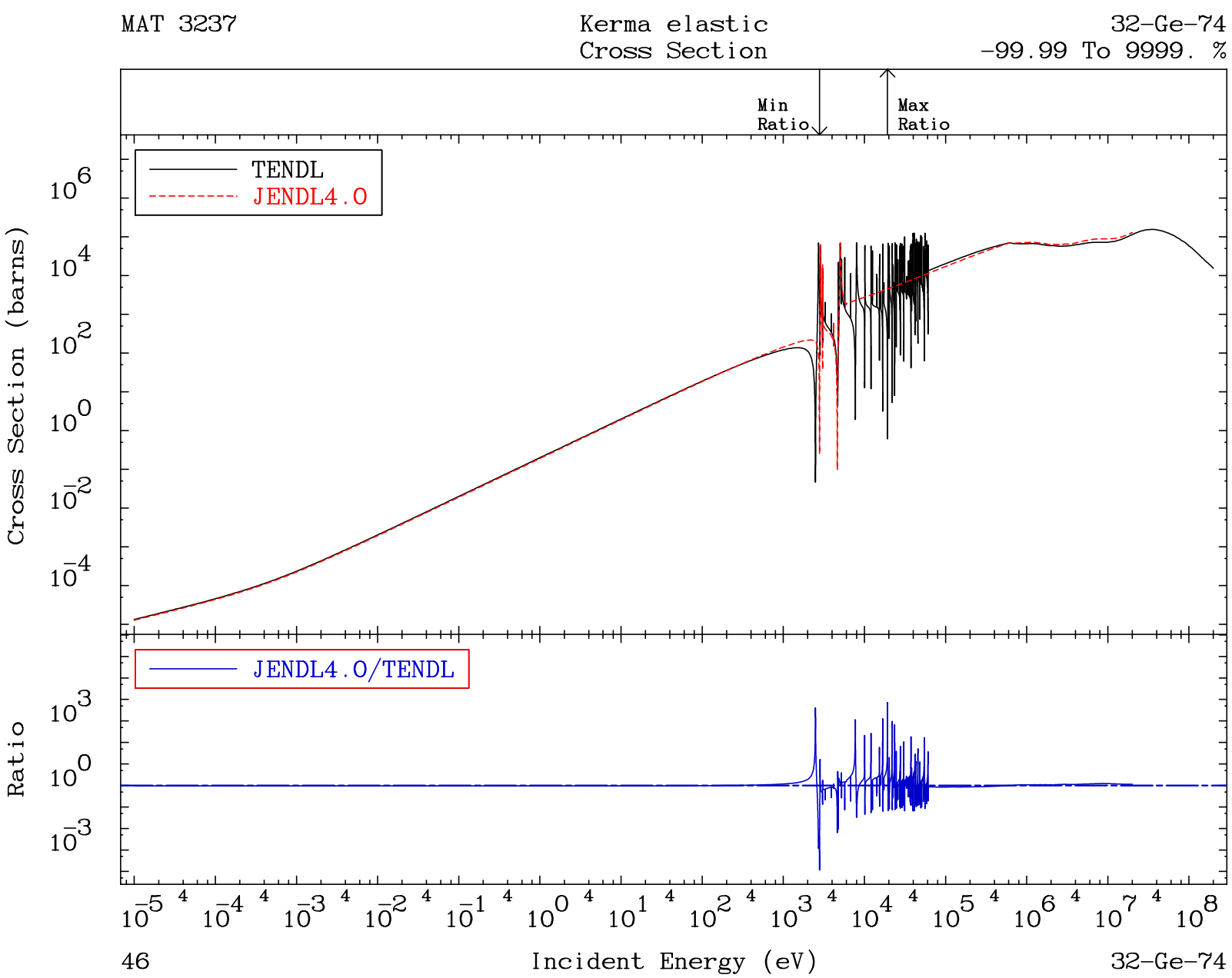

MAT 3237
(n,α)
Cross Section
32-Ge-74
-21.98 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 453.36 keV
JENDL4.0 Threshold 400.00 keV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
41
32-Ge-74

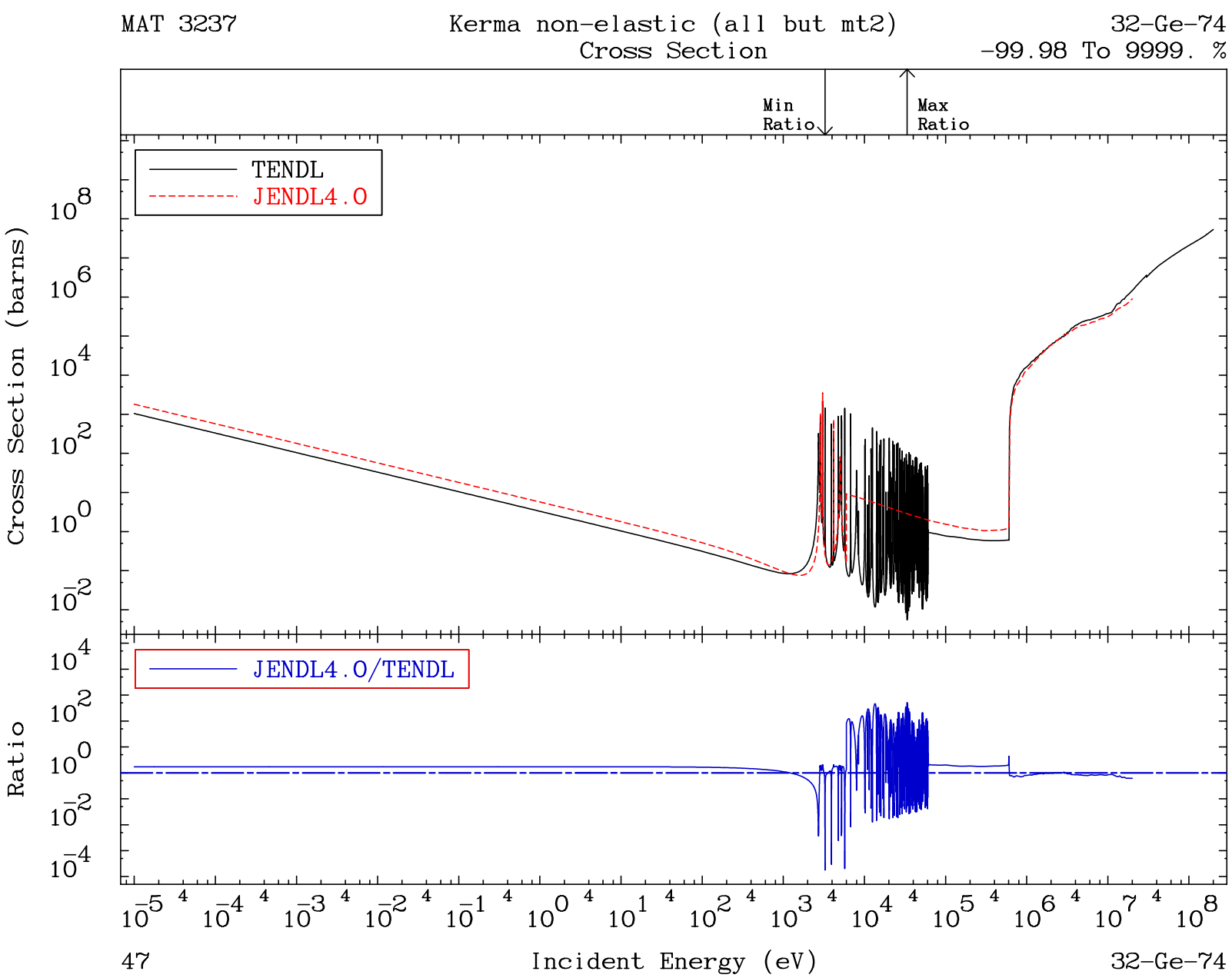

MAT 3237
(n,p) α
Cross Section
32-Ge-74
1723. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 12.254 MeV
JENDL4.0 Threshold 12.269 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^4
10^3
10^2
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
32-Ge-74

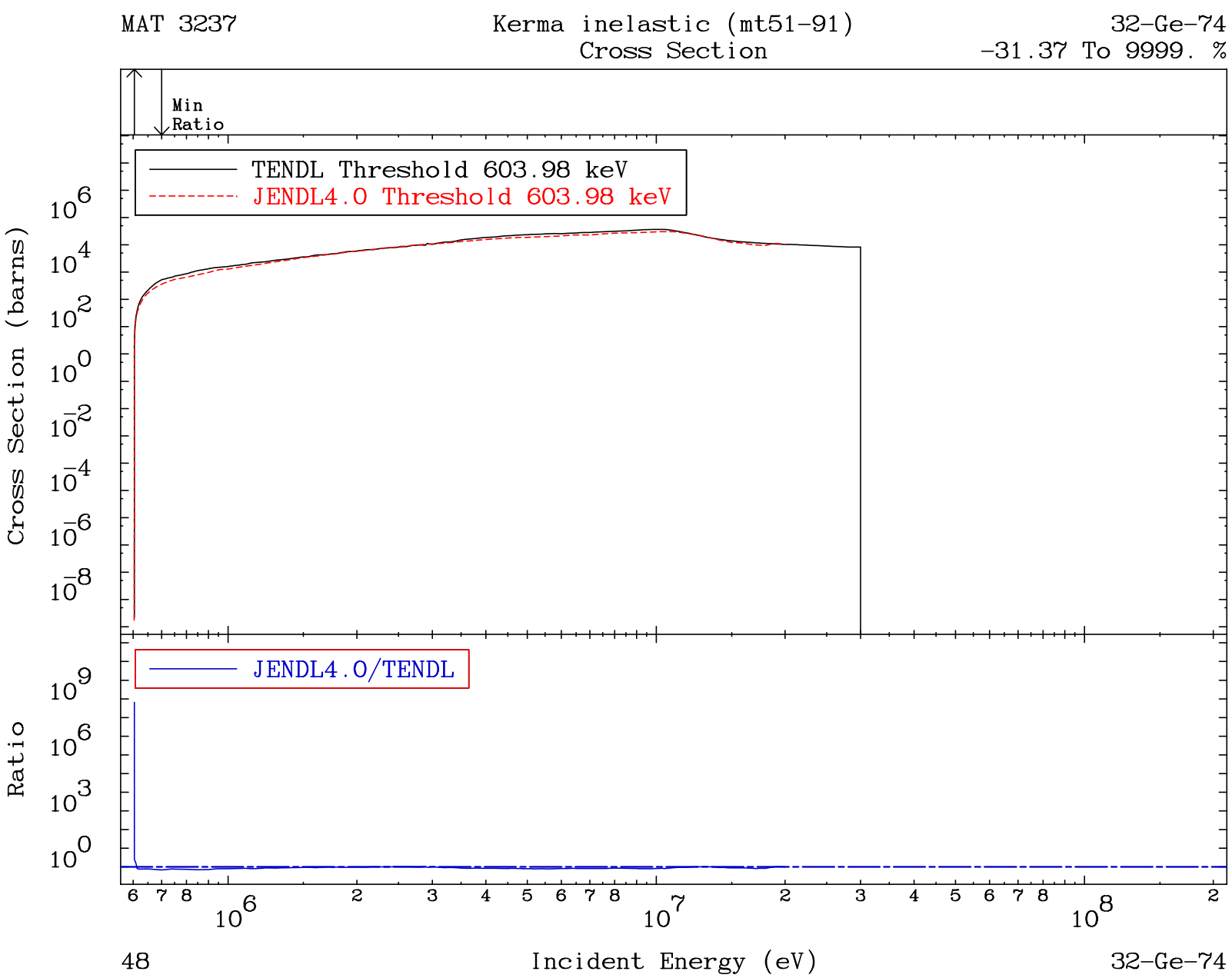

MAT 3237
Hydrogen Production
Cross Section
32-Ge-74
-34.16 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.6531 MeV
JENDL4.0 Threshold 4.6486 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
10^6
10^3
10^0
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
43
Incident Energy (eV)
32-Ge-74

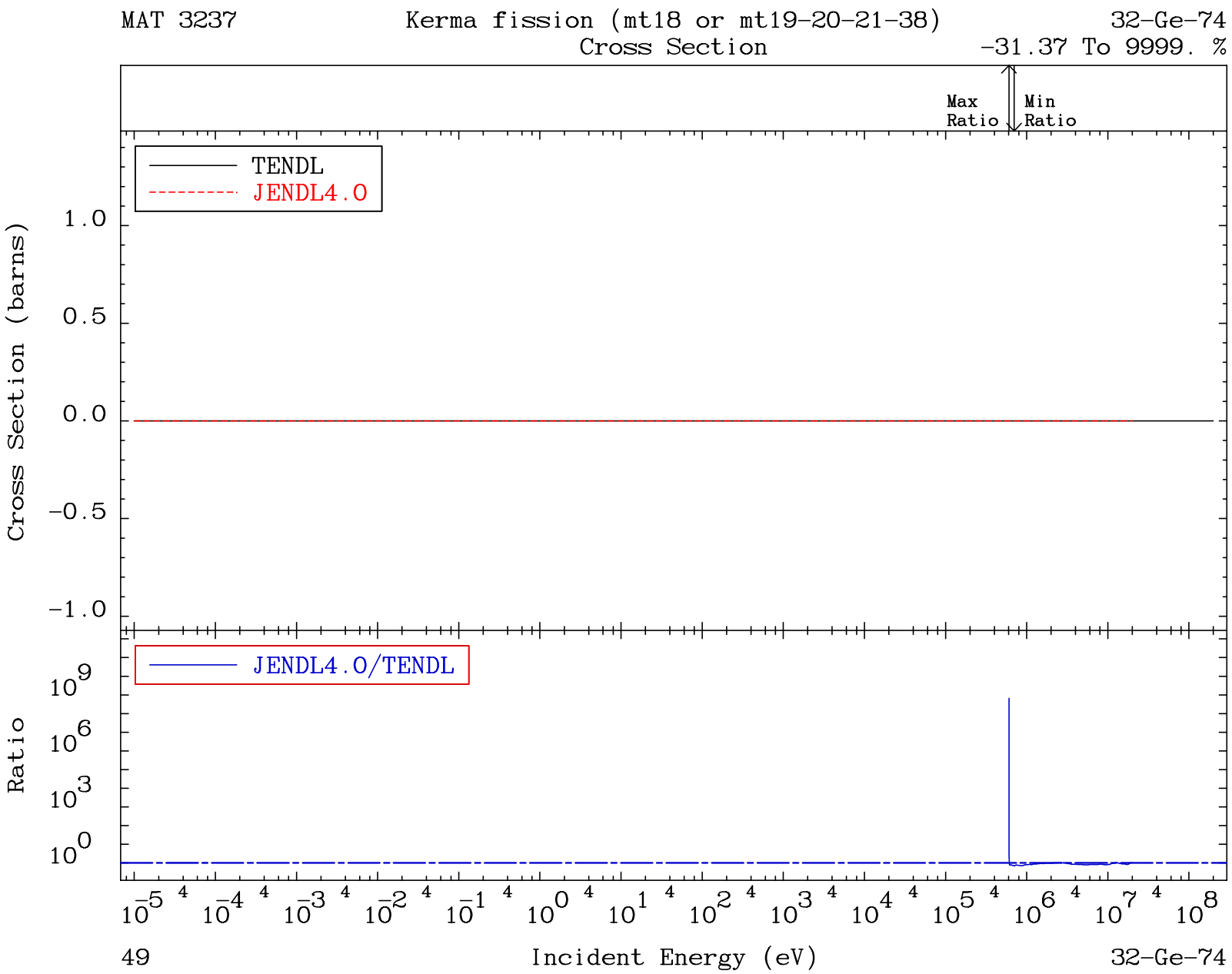

MAT 3237
He-4 Production
Cross Section
32-Ge-74
-25.07 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 453.36 keV
JENDL4.0 Threshold 400.00 keV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^6
10^3
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
32-Ge-74

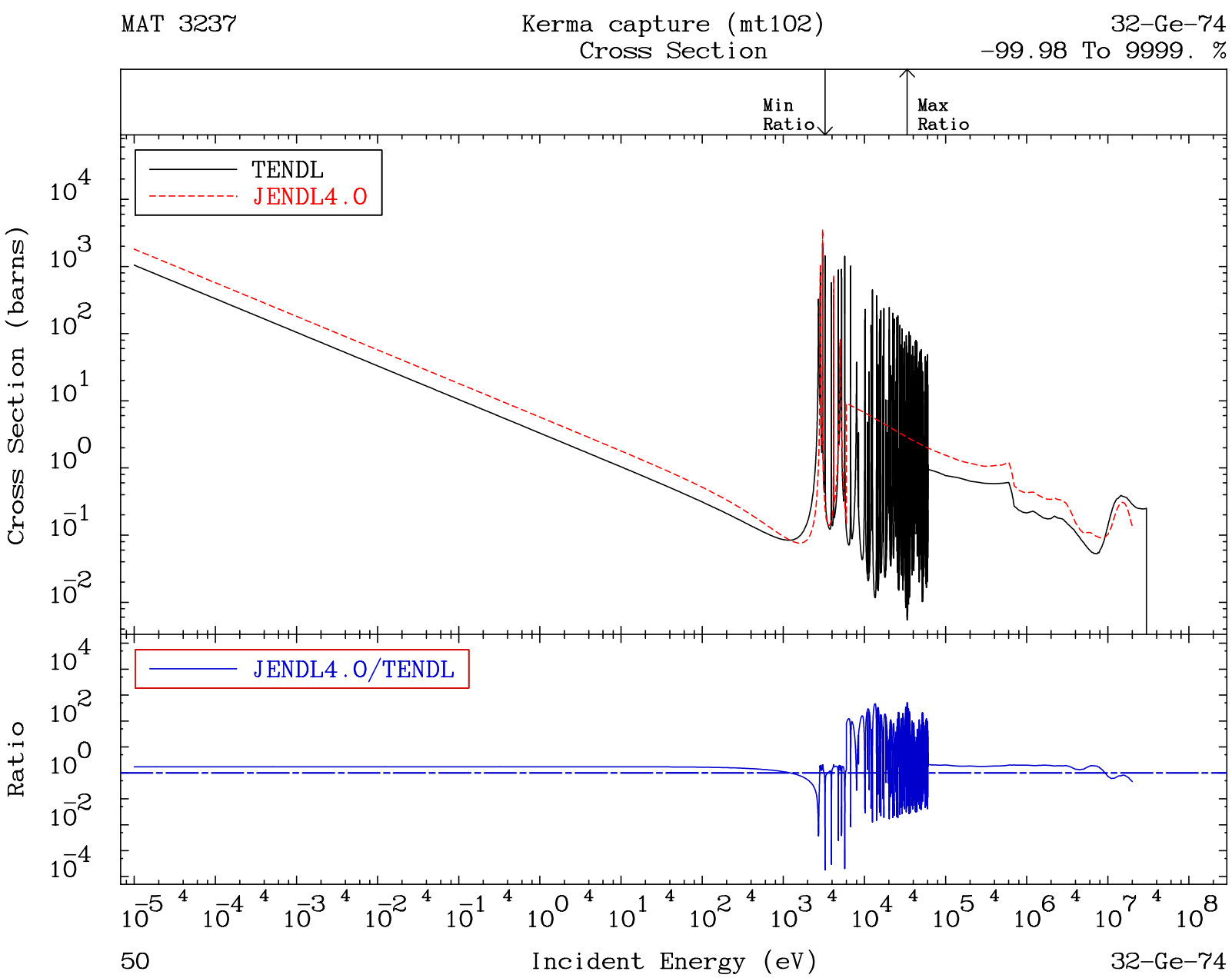

MAT 3237
Kerma total (eV-barns)
Cross Section
32-Ge-74
-99.88 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
45
32-Ge-74

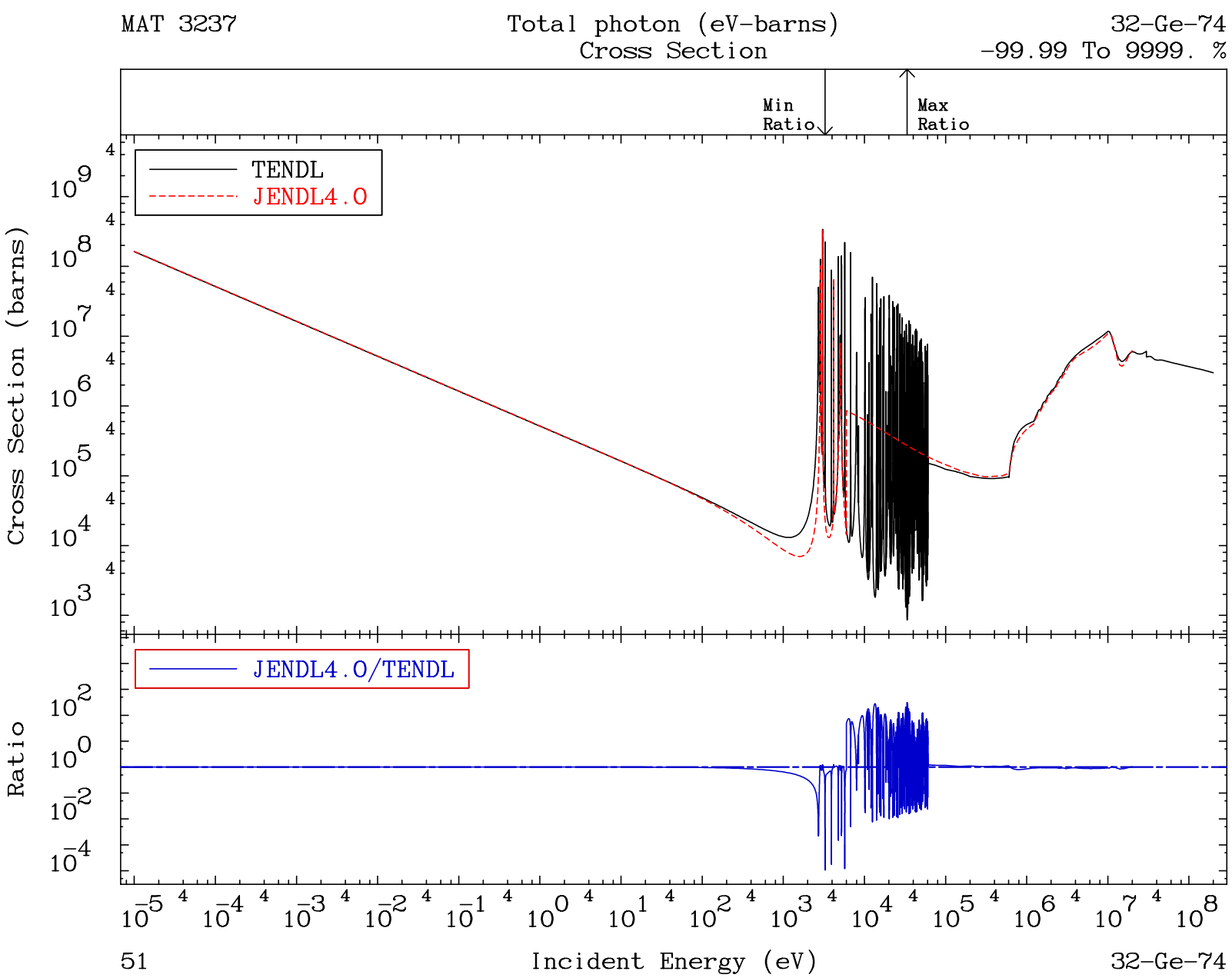

MAT 3237
Kerma elastic
Cross Section
32-Ge-74
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
46
32-Ge-74

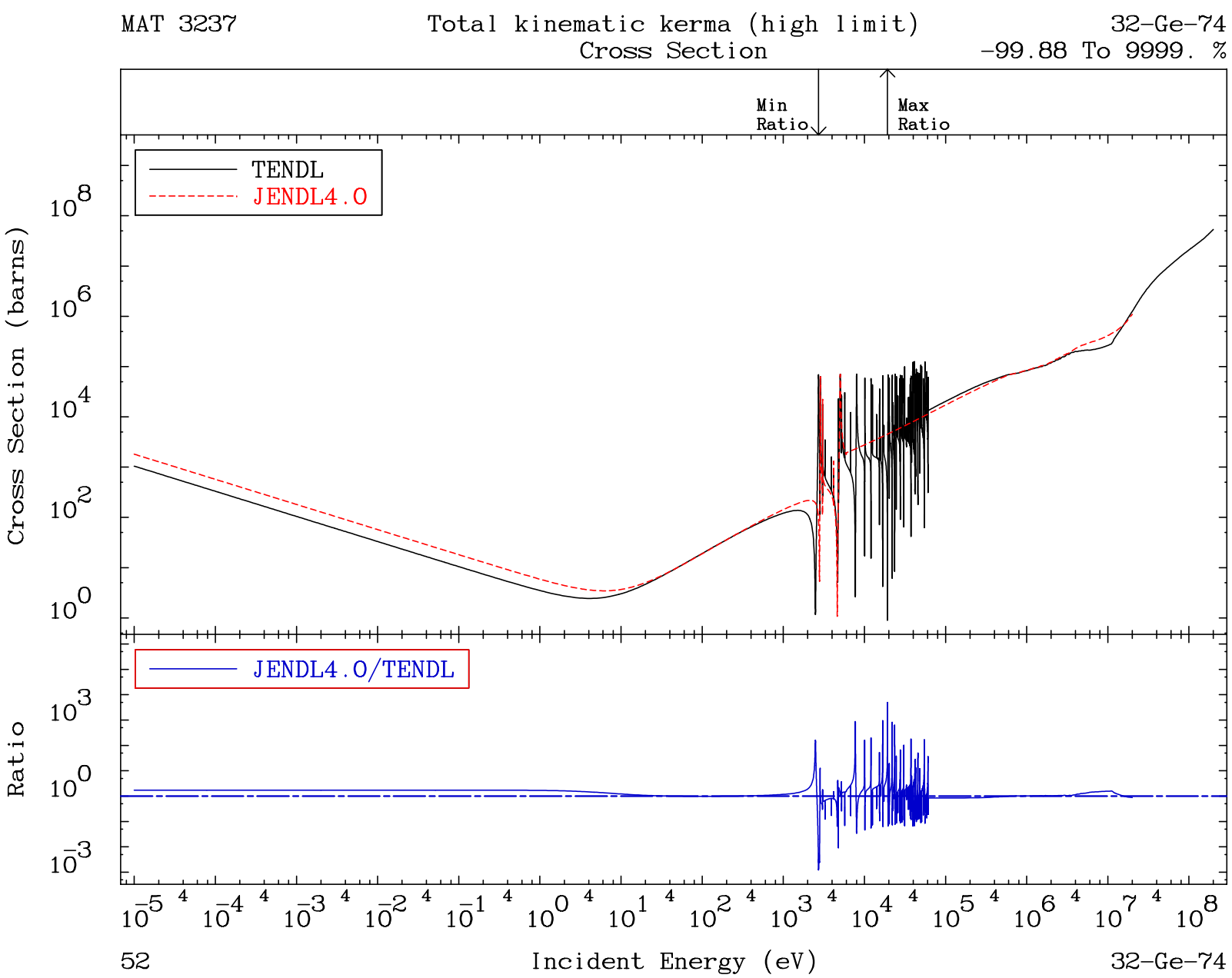

MAT 3237
Kerma non-elastic (all but mt2)
Cross Section
32-Ge-74
-99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
47
32-Ge-74

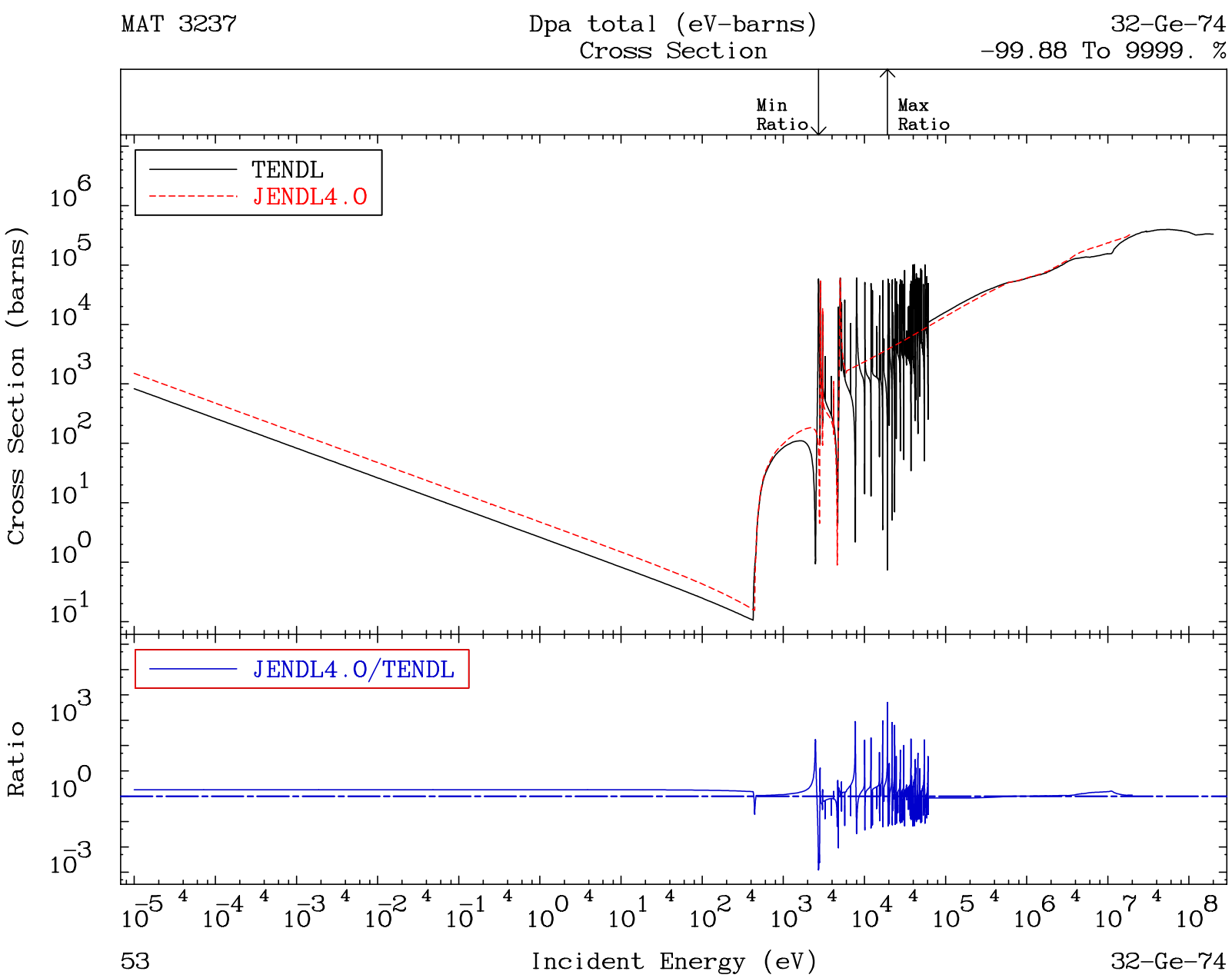

MAT 3237
Kerma inelastic (mt51-91)
Cross Section
32-Ge-74
-31.37 To 9999. %
Min
Ratio
TENDL Threshold 603.98 keV
JENDL4.0 Threshold 603.98 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
48
32-Ge-74

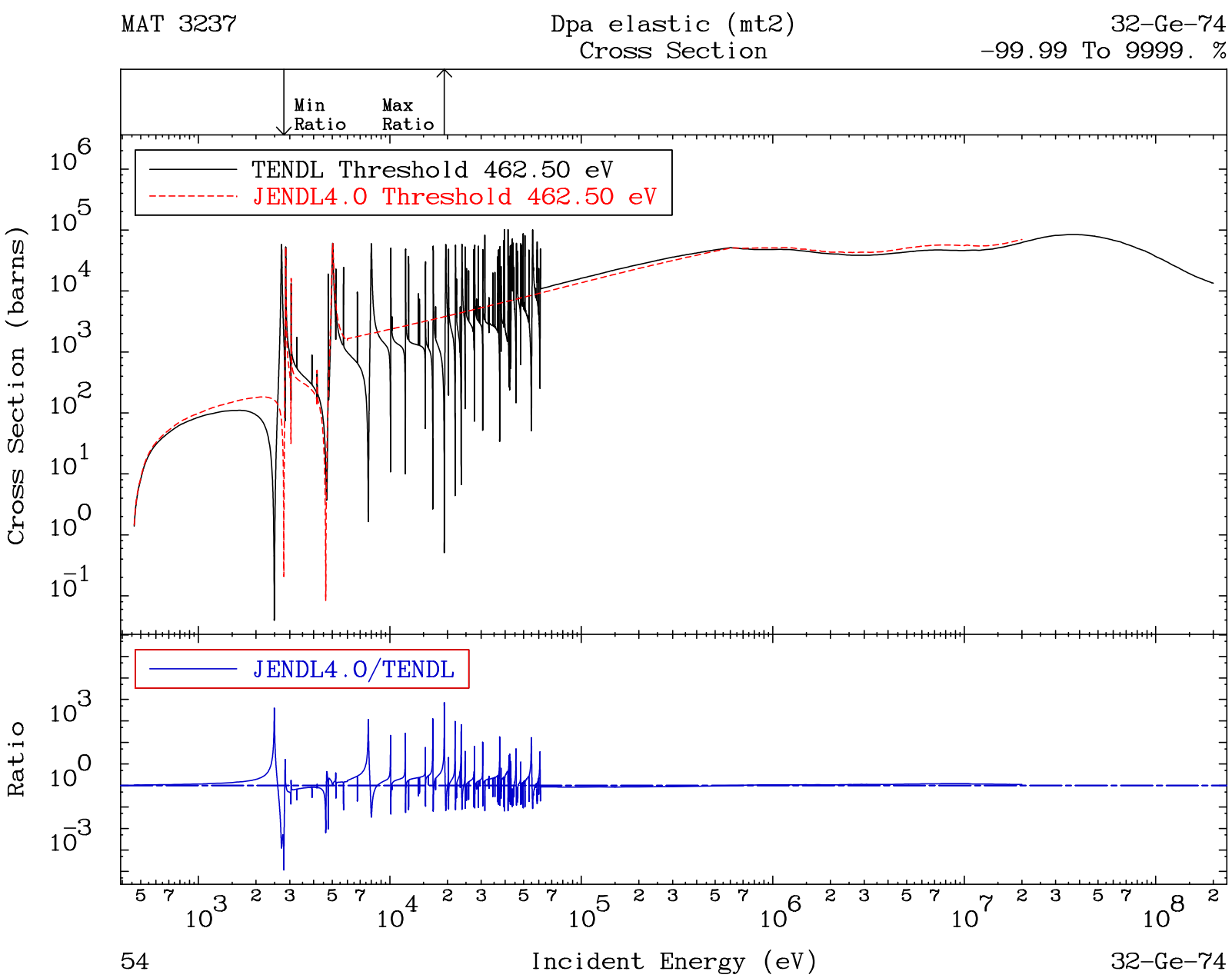

MAT 3237
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
32-Ge-74
-31.37 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JENDL4.0/TENDL
Ratio
10^9
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
49
Incident Energy (eV)
32-Ge-74

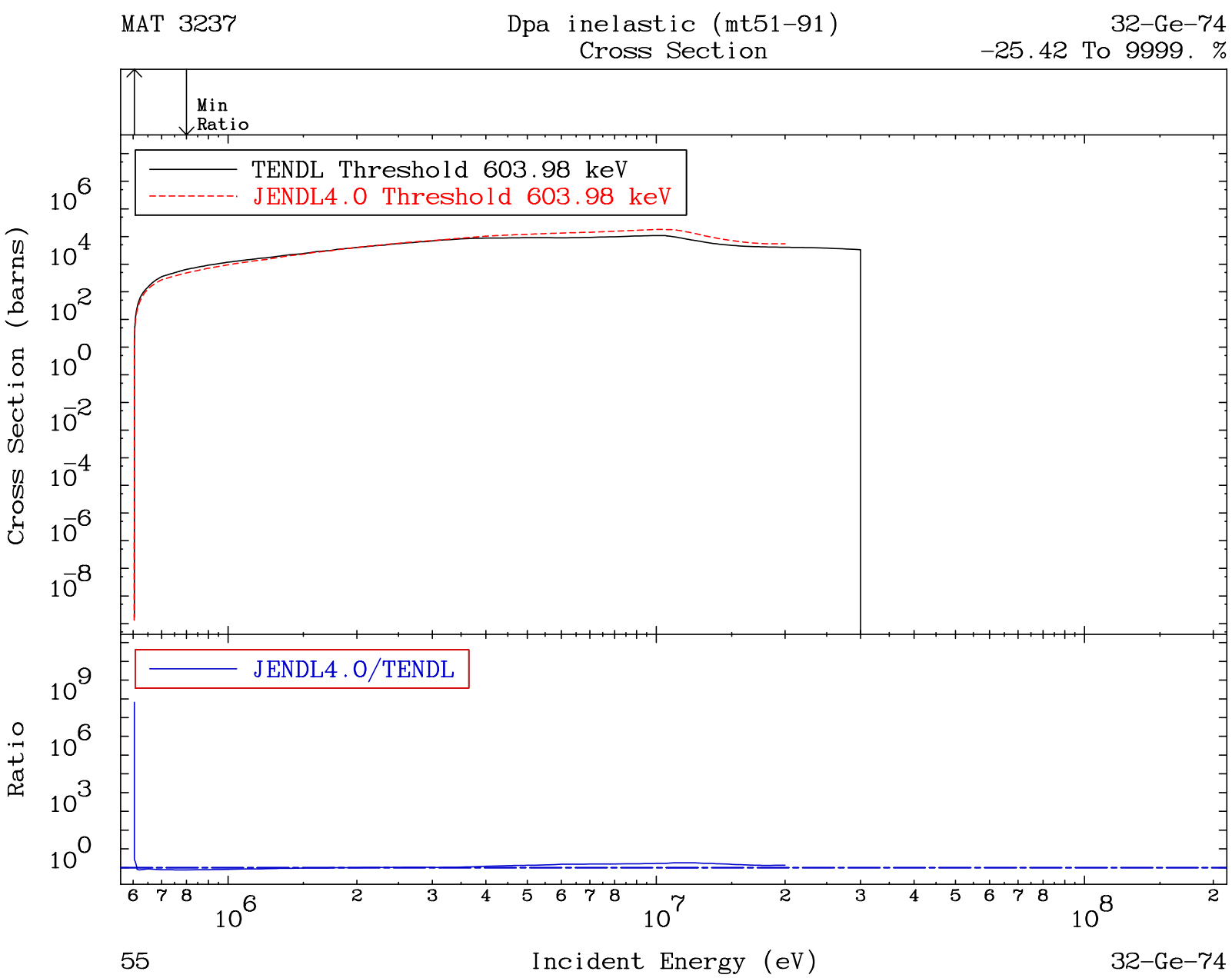

MAT 3237
Kerma capture (mt102)
Cross Section
32-Ge-74
-99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
50
32-Ge-74

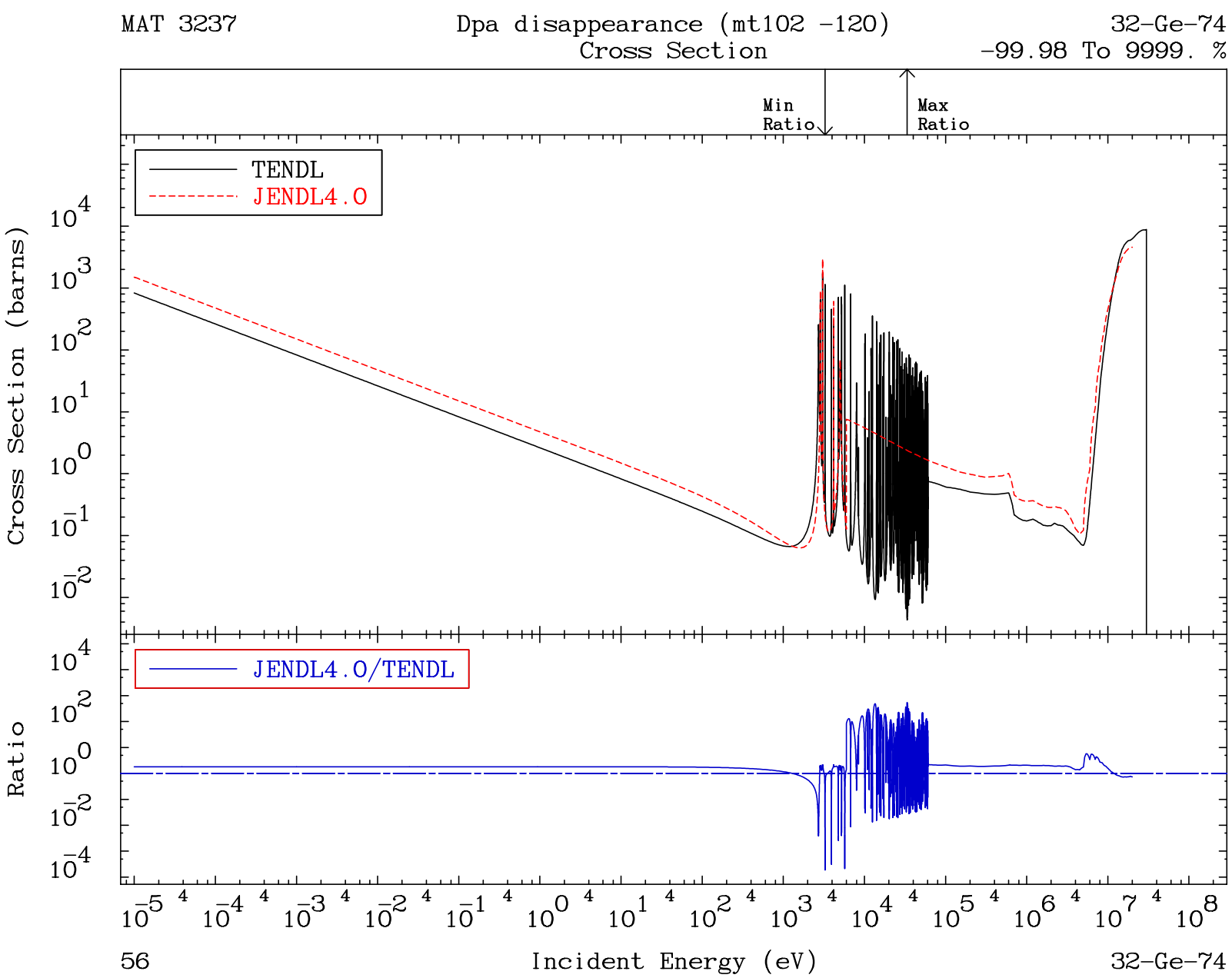

MAT 3237
Total photon (eV-barns)
Cross Section
32-Ge-74
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
51
32-Ge-74

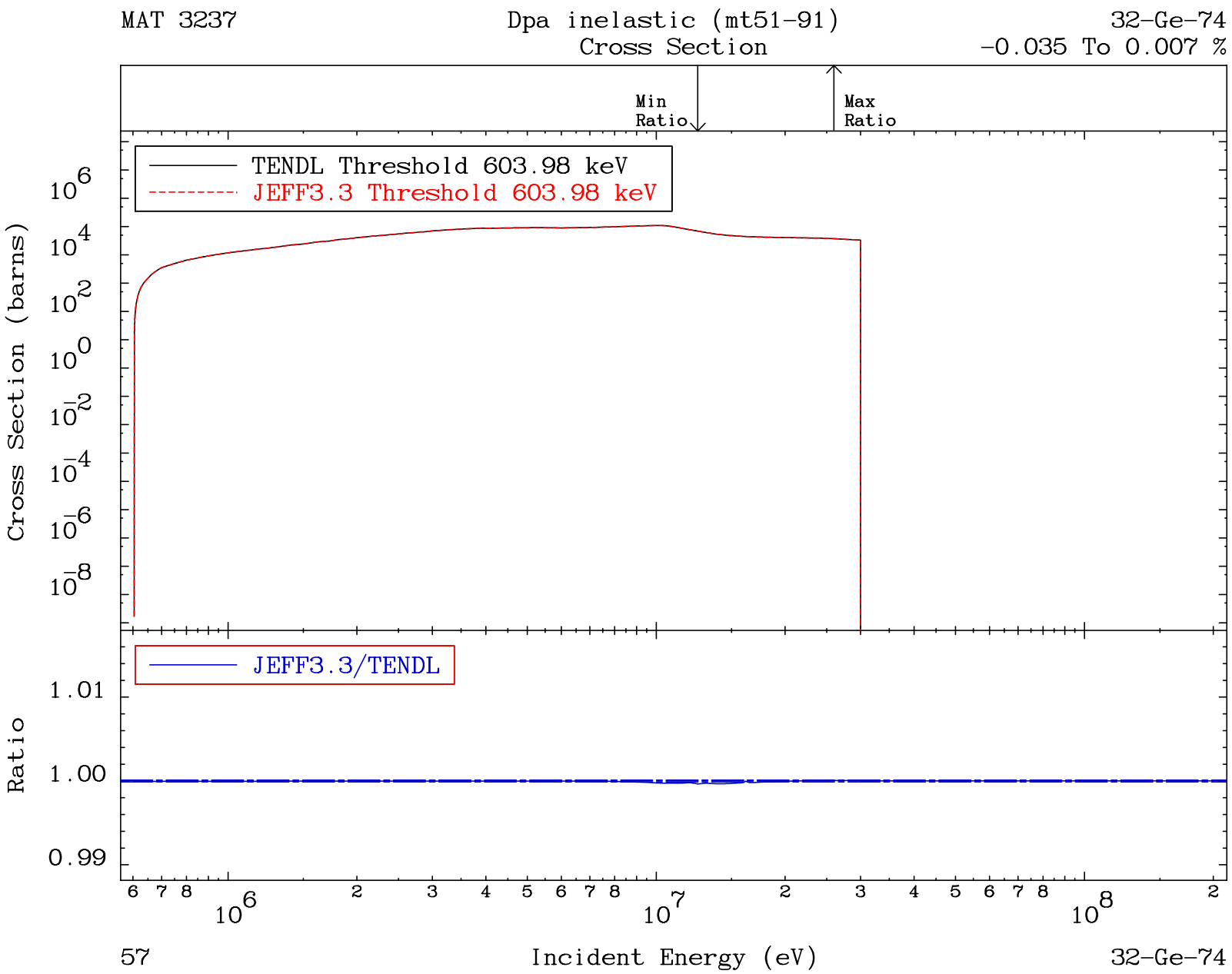

MAT 3237
Total kinematic kerma (high limit)
Cross Section
32-Ge-74
-99.88 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
52
32-Ge-74

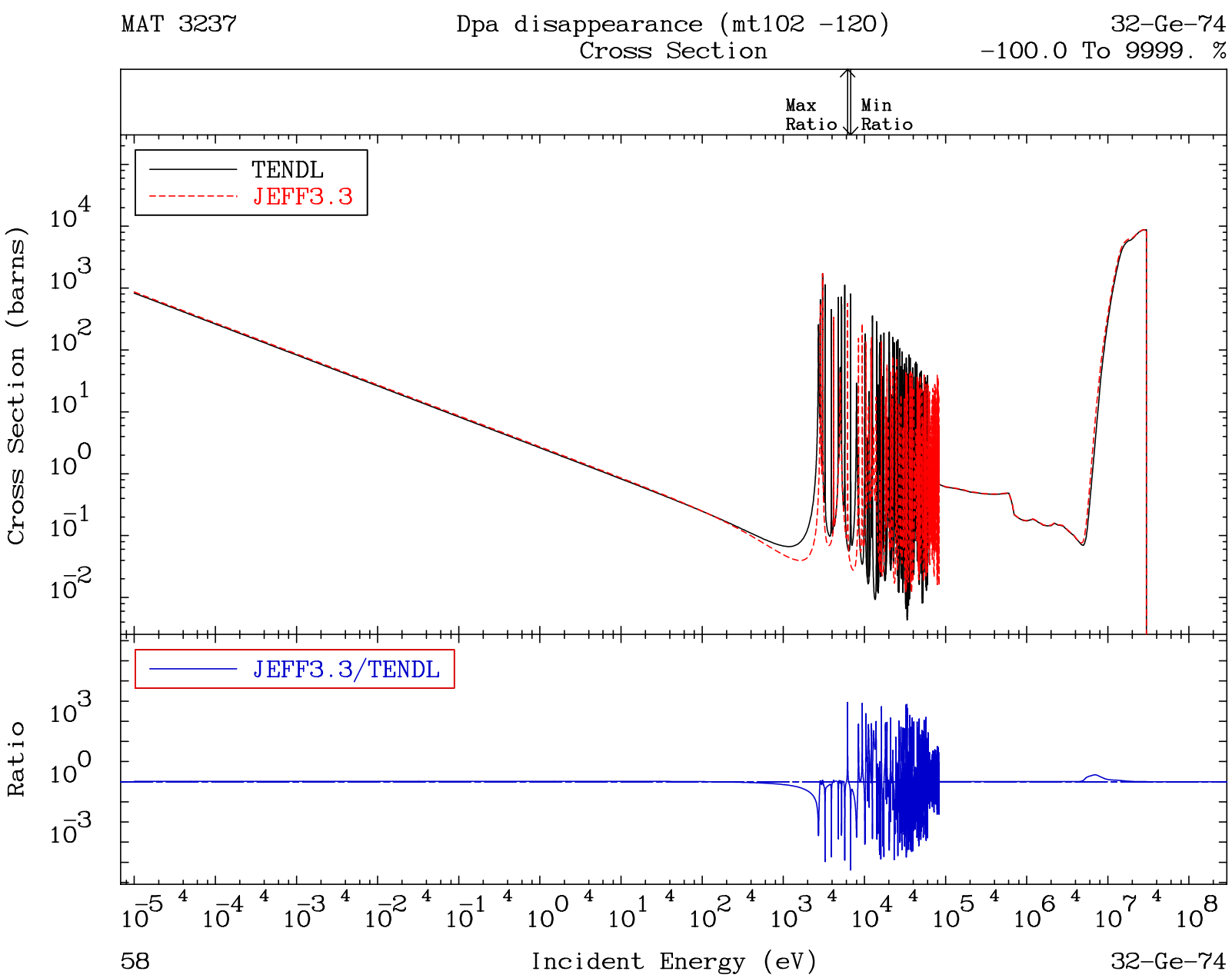

MAT 3237
Dpa total (eV-barns)
Cross Section
32-Ge-74
-99.88 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
53
32-Ge-74

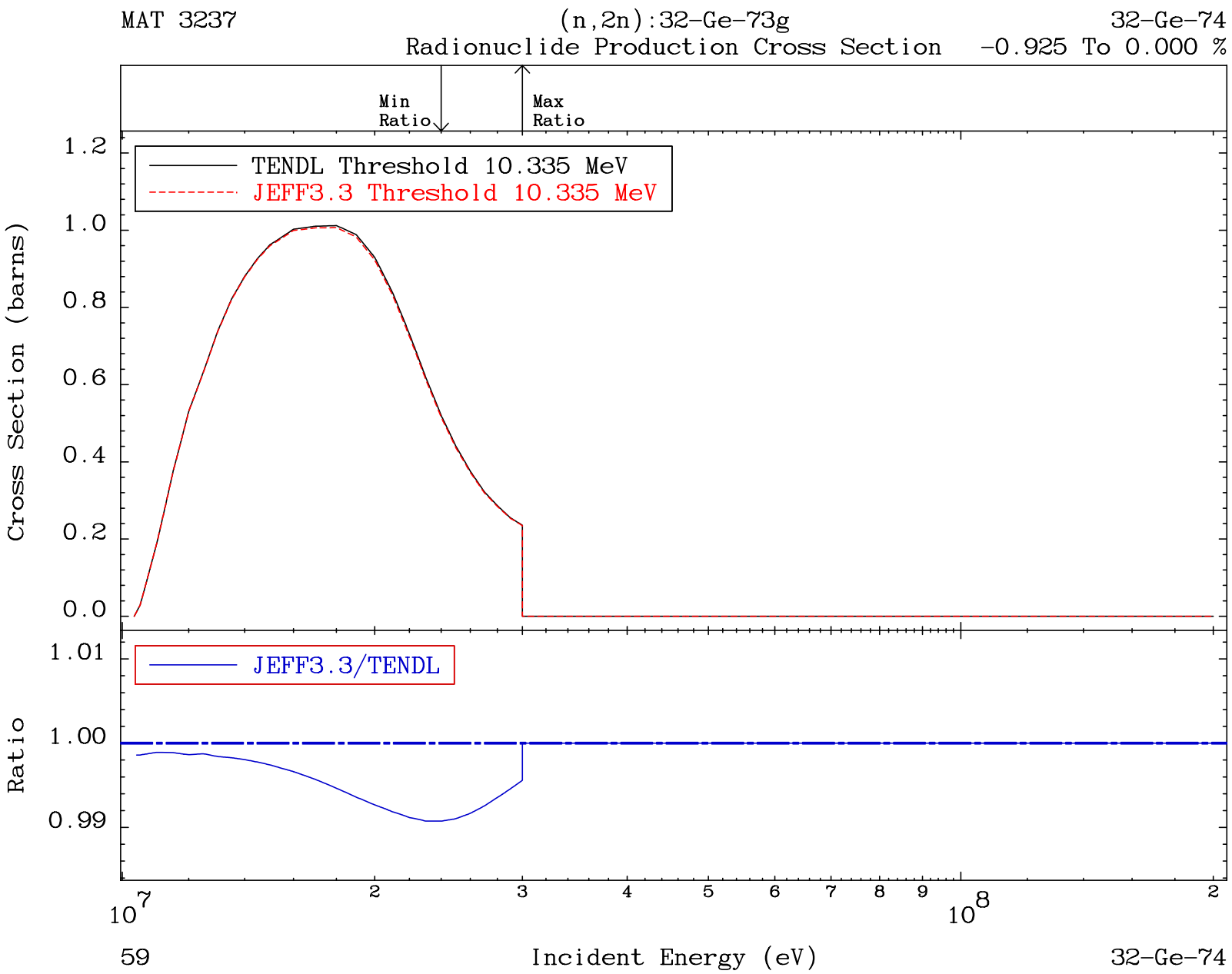

MAT 3237
Dpa elastic (mt2)
Cross Section
32-Ge-74
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 462.50 eV
JENDL4.0 Threshold 462.50 eV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
54
32-Ge-74

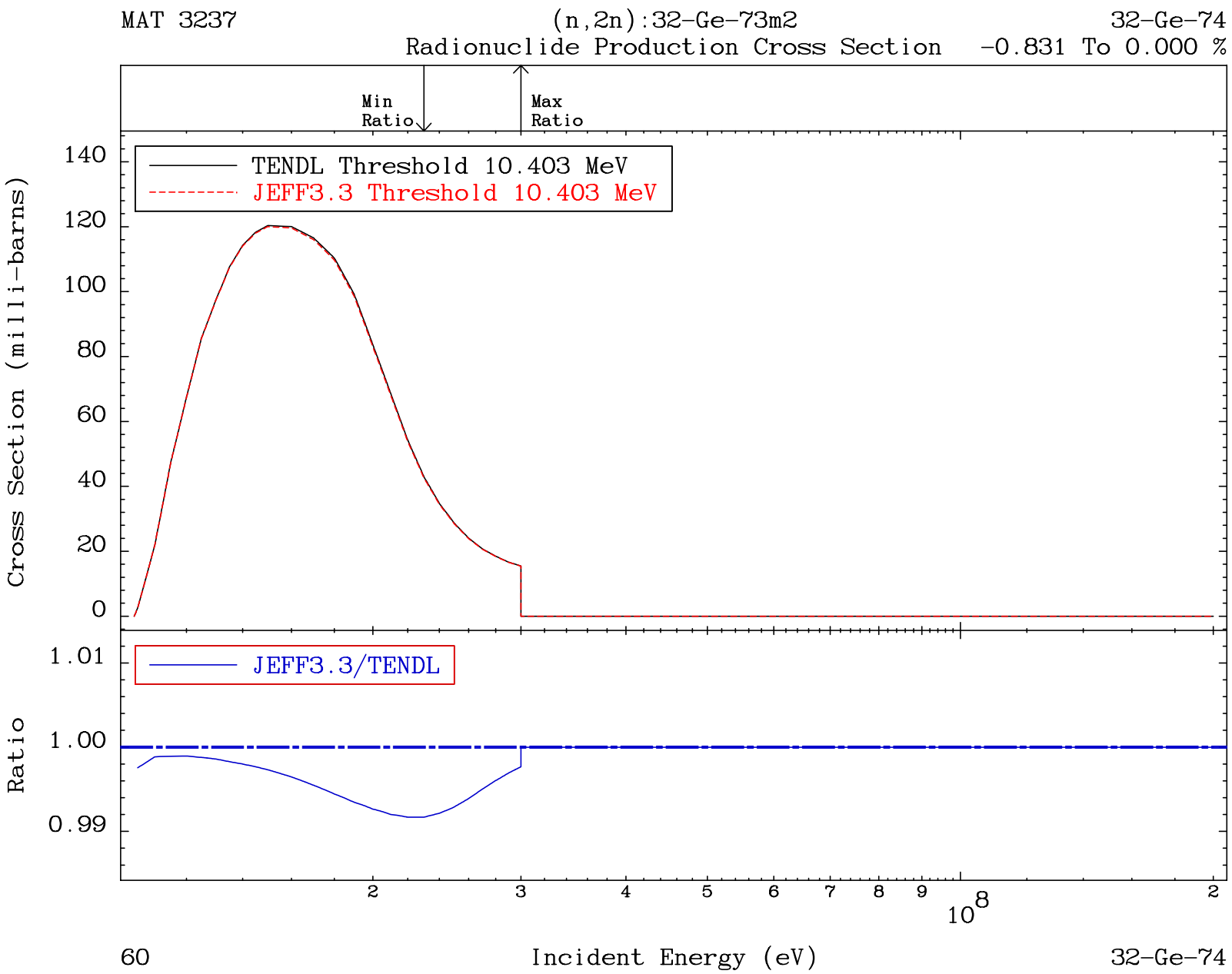

MAT 3237
Dpa inelastic (mt51-91)
Cross Section
32-Ge-74
-25.42 To 9999. %
Min
Ratio
TENDL Threshold 603.98 keV
JENDL4.0 Threshold 603.98 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
55
32-Ge-74

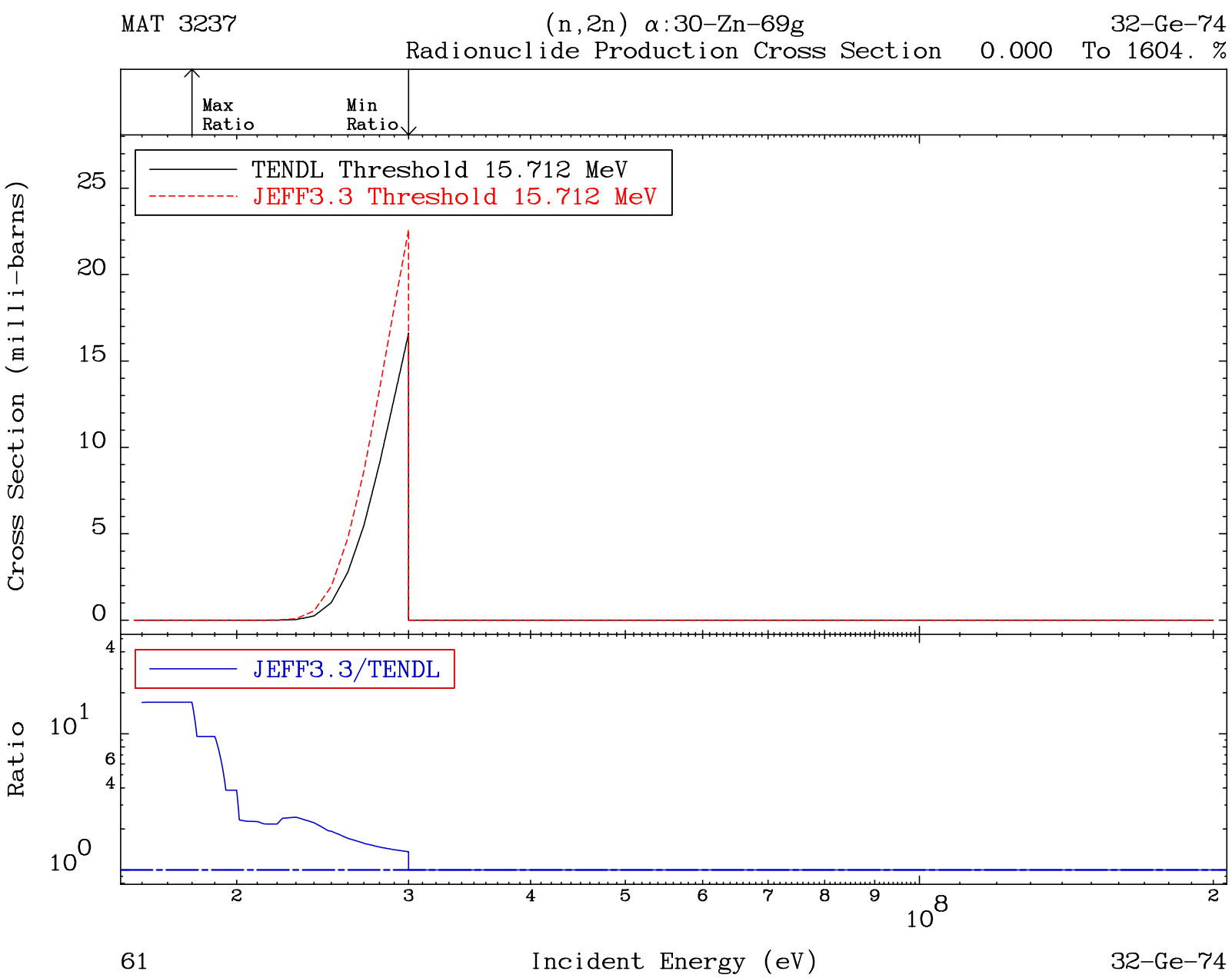

MAT 3237
Dpa disappearance (mt102 -120)
Cross Section
32-Ge-74
-99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
56
32-Ge-74

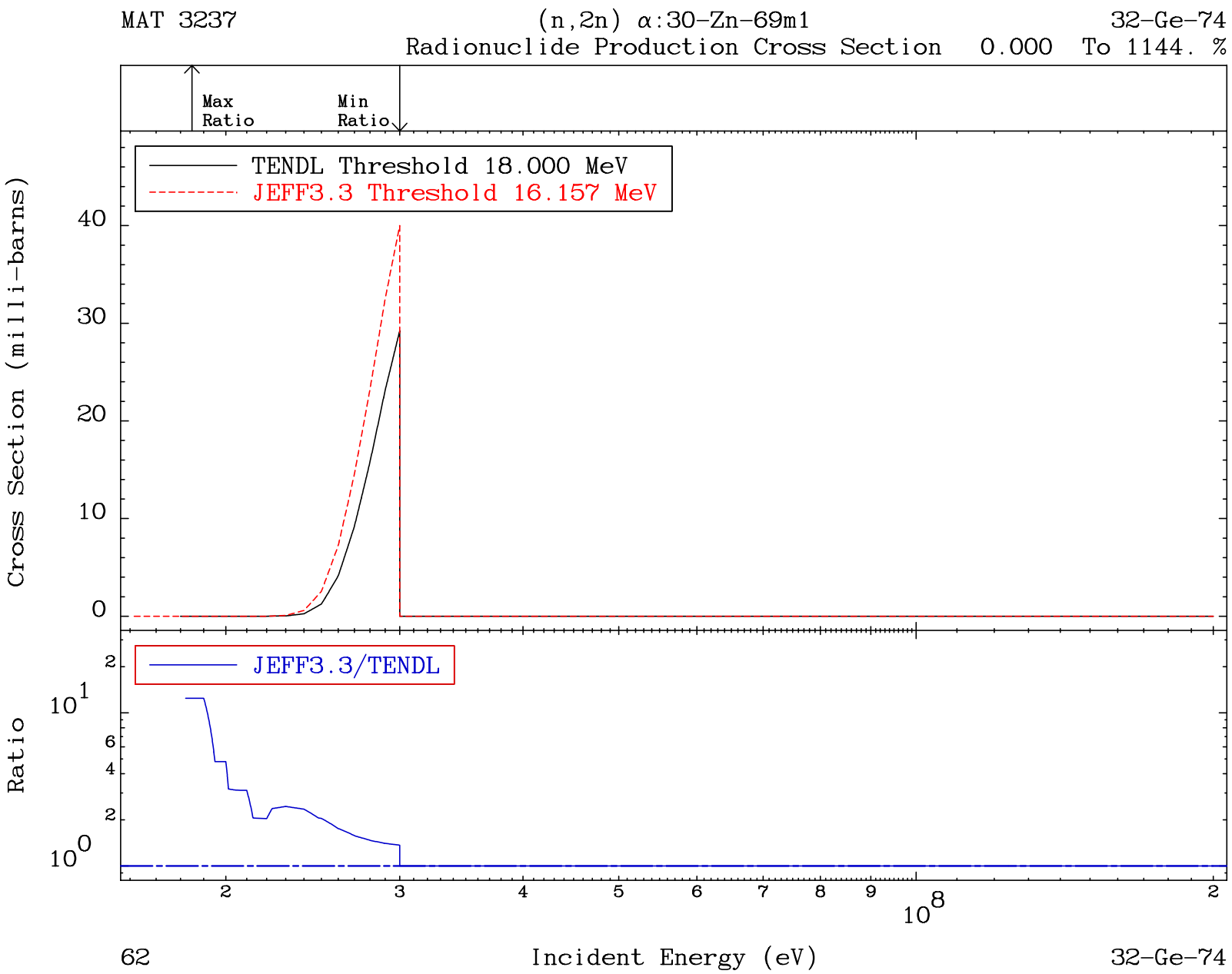

MAT 3237
Dpa inelastic (mt51-91)
Cross Section
32-Ge-74
-0.035 To 0.007 %
Min Ratio
Max Ratio
TENDL Threshold 603.98 keV
JEFF3.3 Threshold 603.98 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
32-Ge-74

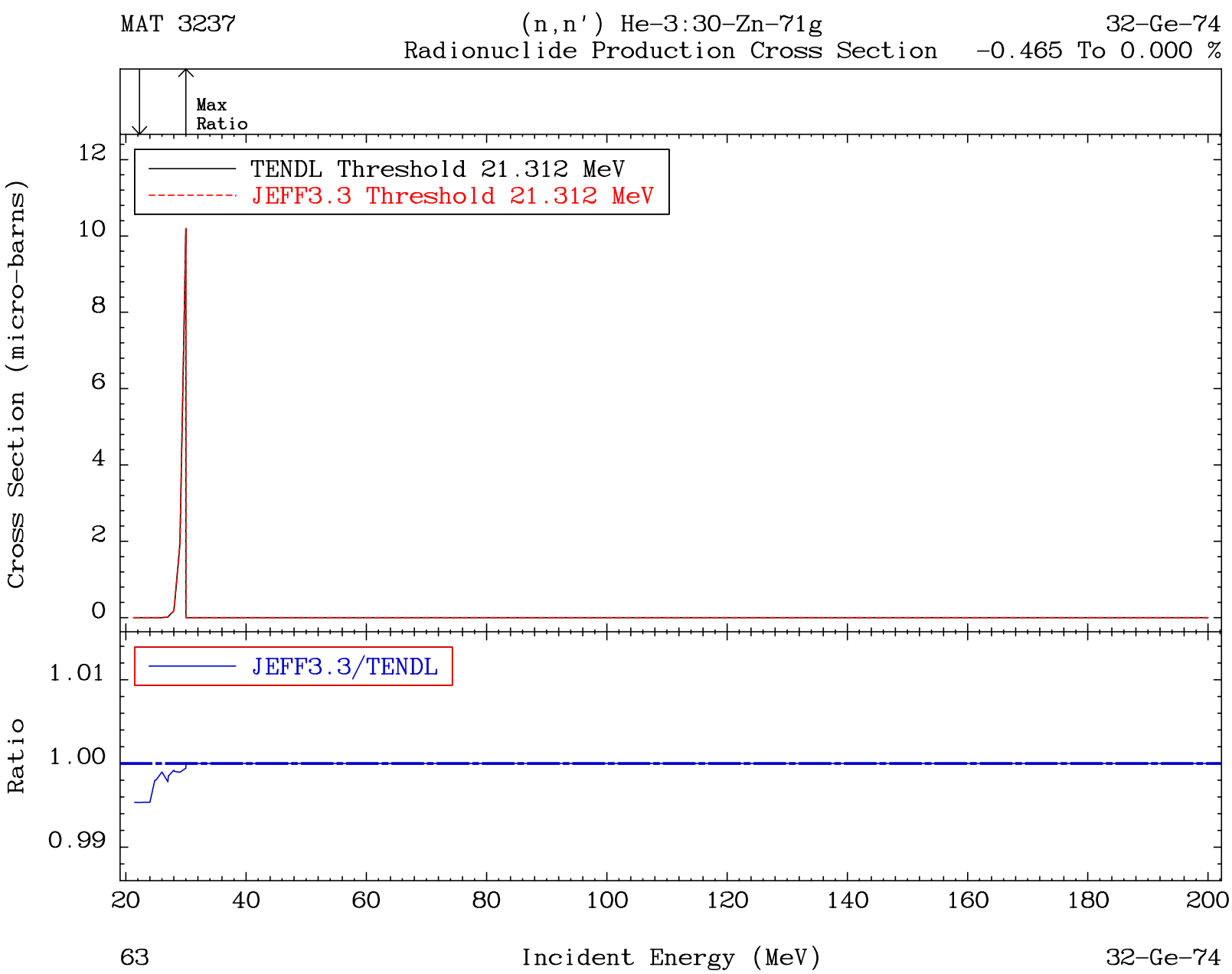

MAT 3237
Dpa disappearance (mt102 -120)
Cross Section
32-Ge-74
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
58
32-Ge-74

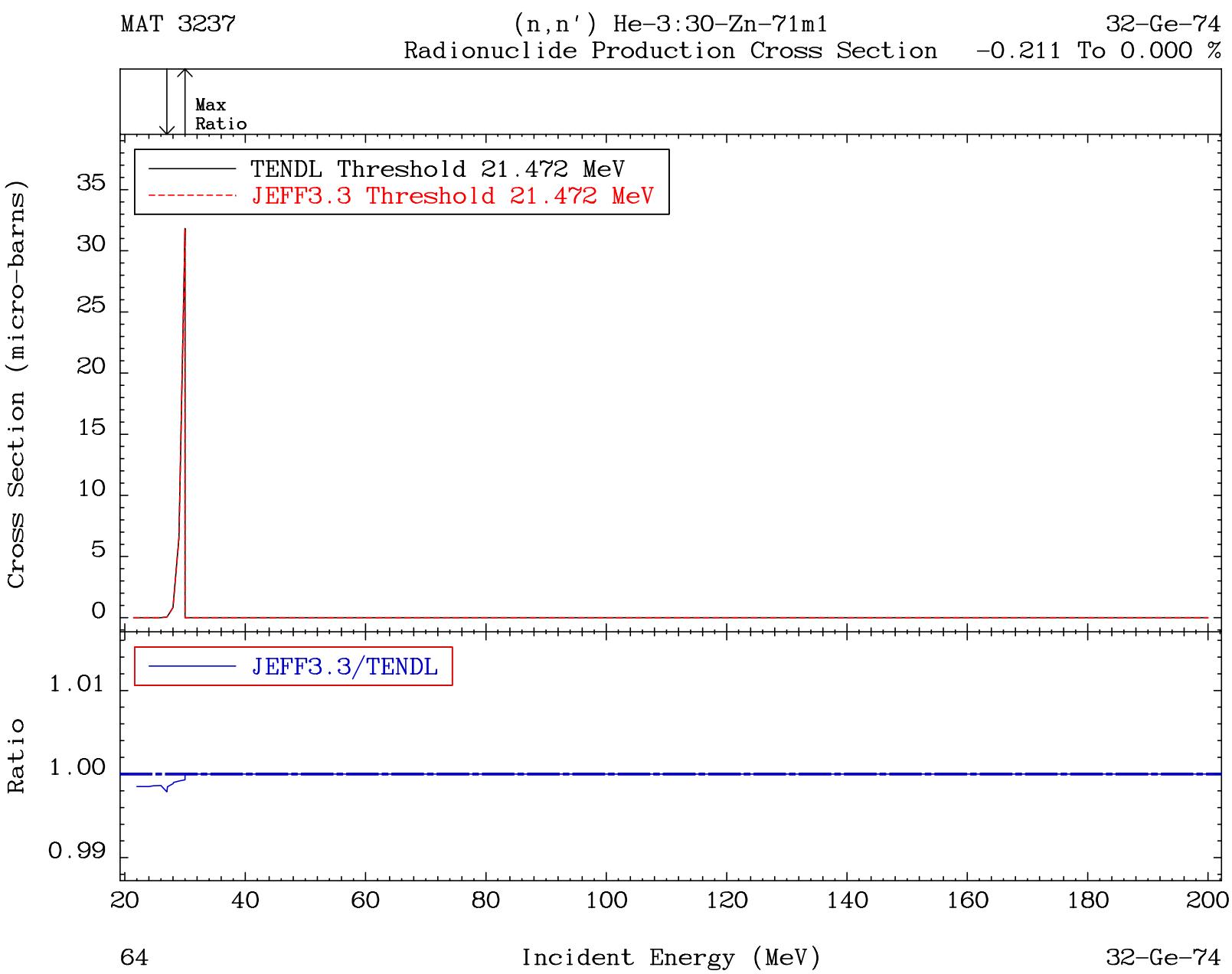

MAT 3237
(n,2n):32-Ge-73g
32-Ge-74
Radionuclide Production Cross Section
-0.925 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.335 MeV
JEFF3.3 Threshold 10.335 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^7
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
32-Ge-74

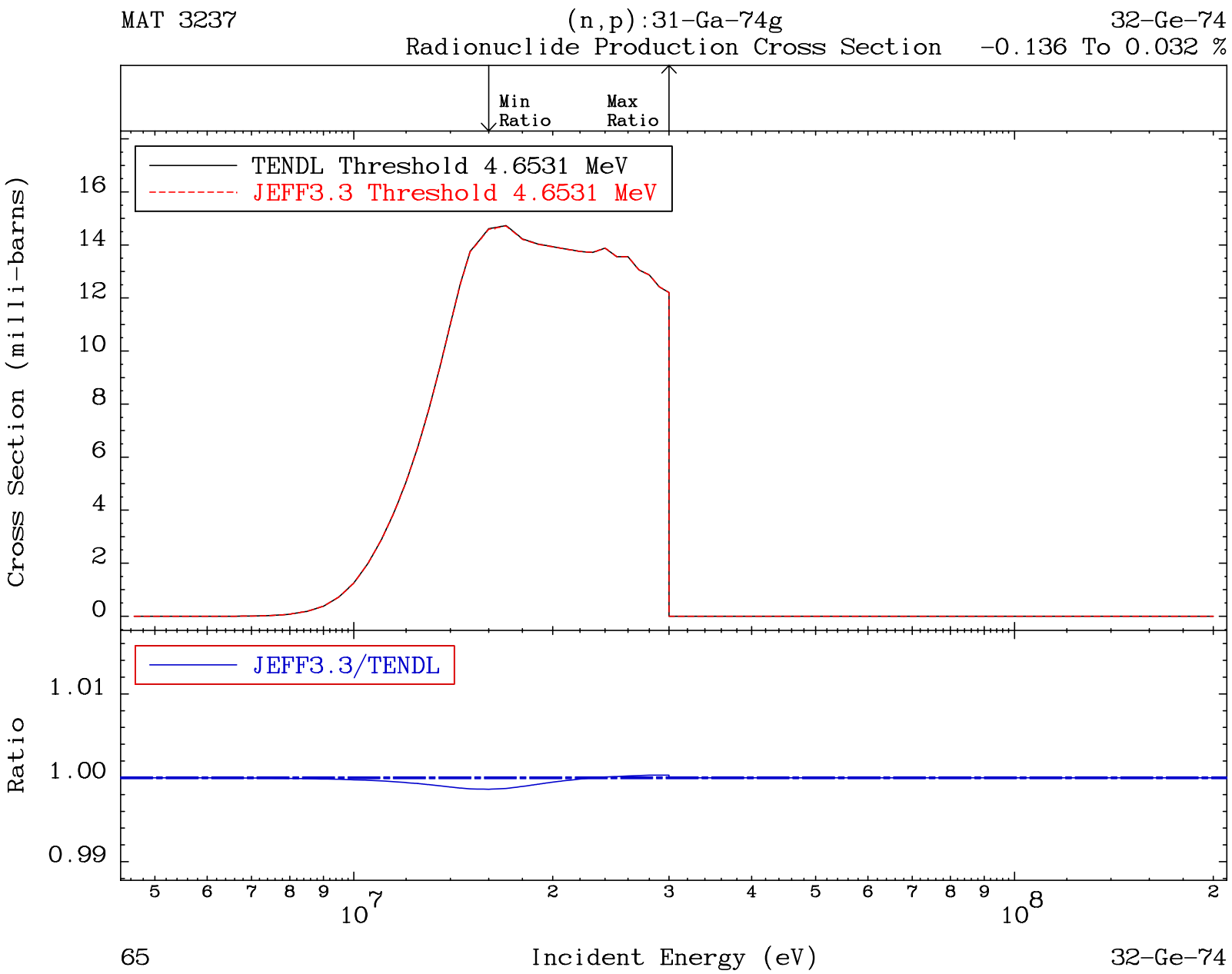

MAT 3237
(n,2n):32-Ge-73m2
32-Ge-74
Radionuclide Production Cross Section -0.831 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.403 MeV
JEFF3.3 Threshold 10.403 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
32-Ge-74

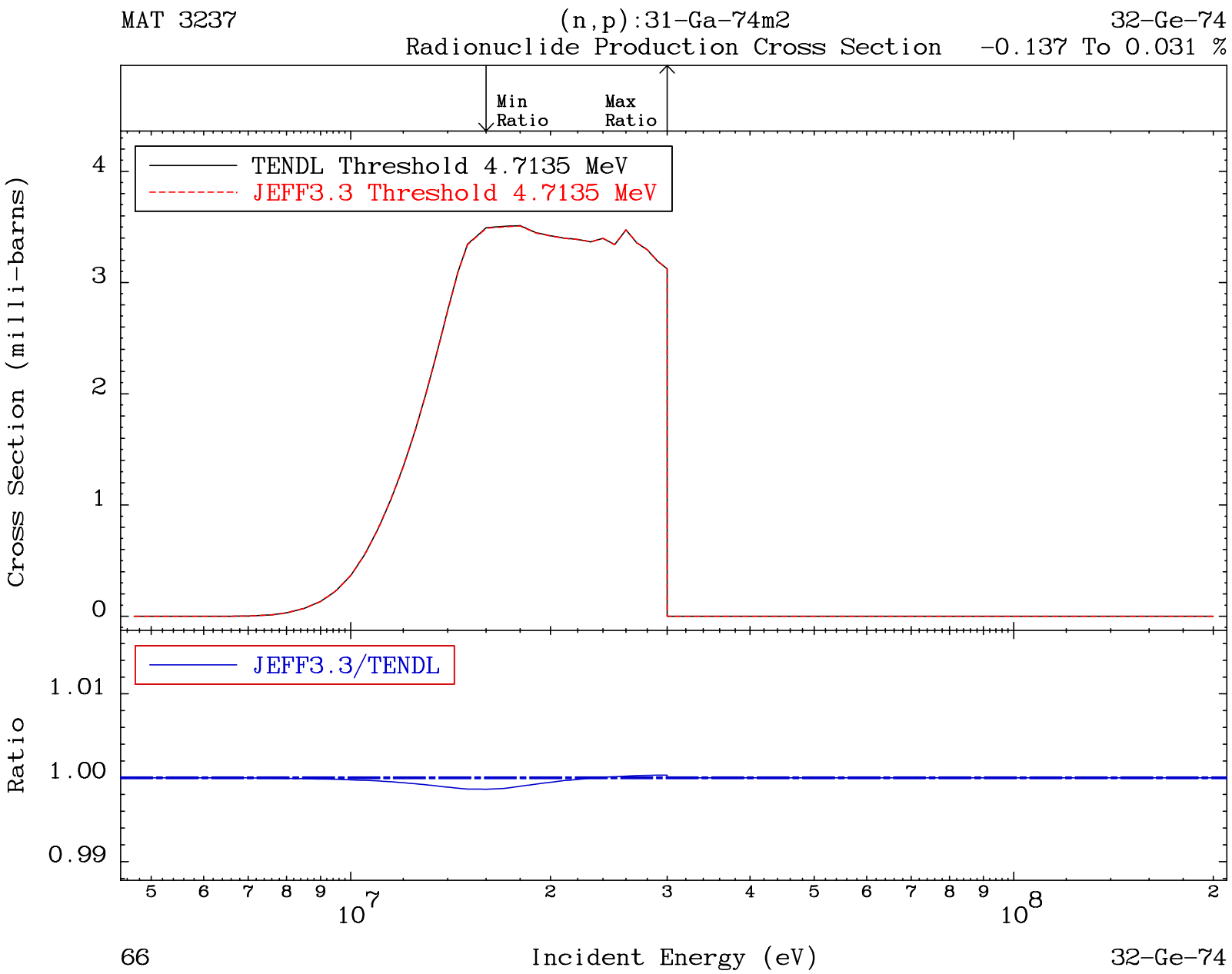

MAT 3237
(n,2n) α:30-Zn-69g
32-Ge-74
Radionuclide Production Cross Section 0.000 To 1604. %
Max Ratio
Min Ratio
TENDL Threshold 15.712 MeV
JEFF3.3 Threshold 15.712 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
4
10^1
6
4
10^0
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
32-Ge-74

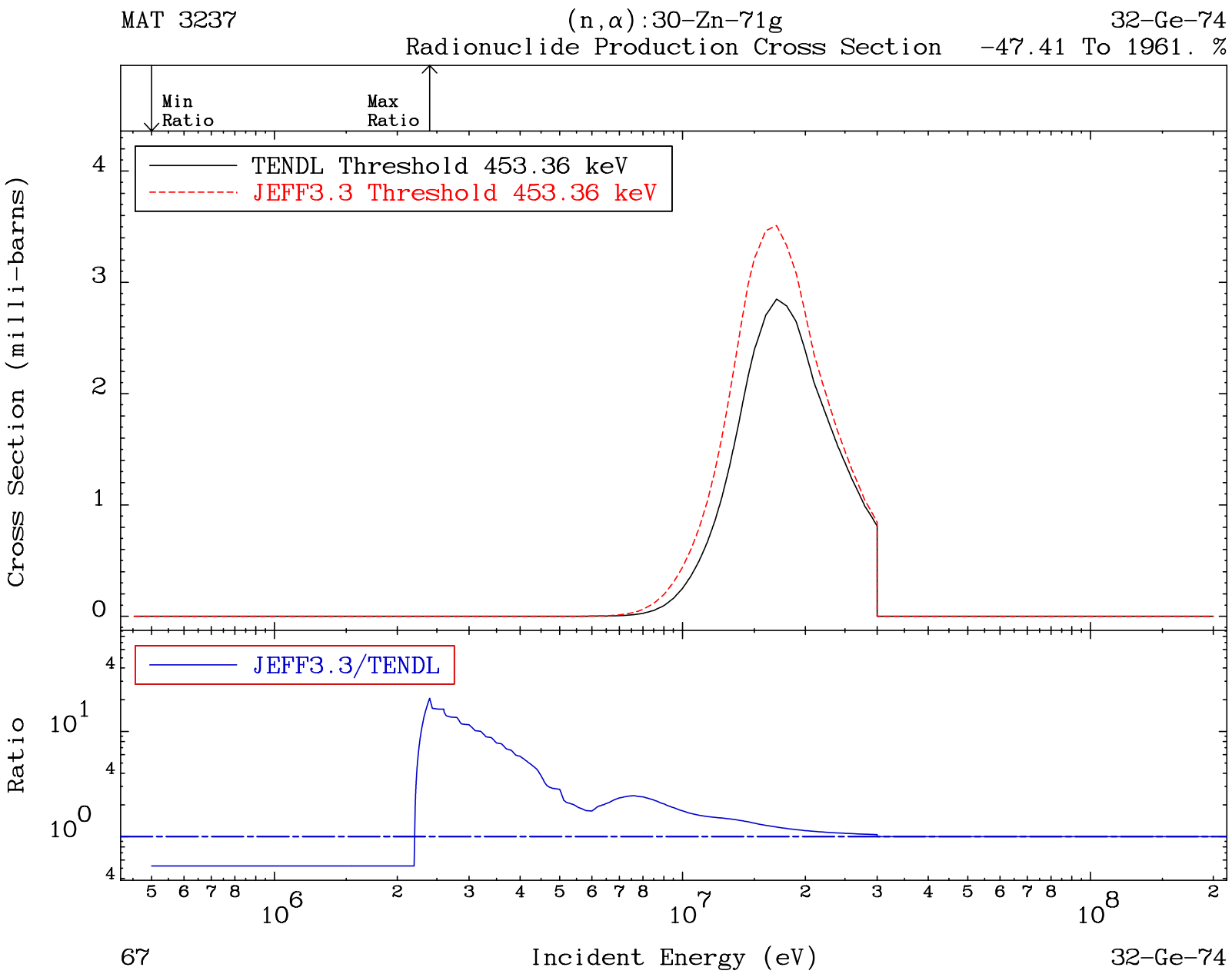

MAT 3237
(n,2n) α:30-Zn-69m1
32-Ge-74
Radionuclide Production Cross Section 0.000 To 1144. %
Max Ratio
Min Ratio
TENDL Threshold 18.000 MeV
JEFF3.3 Threshold 16.157 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
2
10^1
6
4
2
10^0
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
32-Ge-74

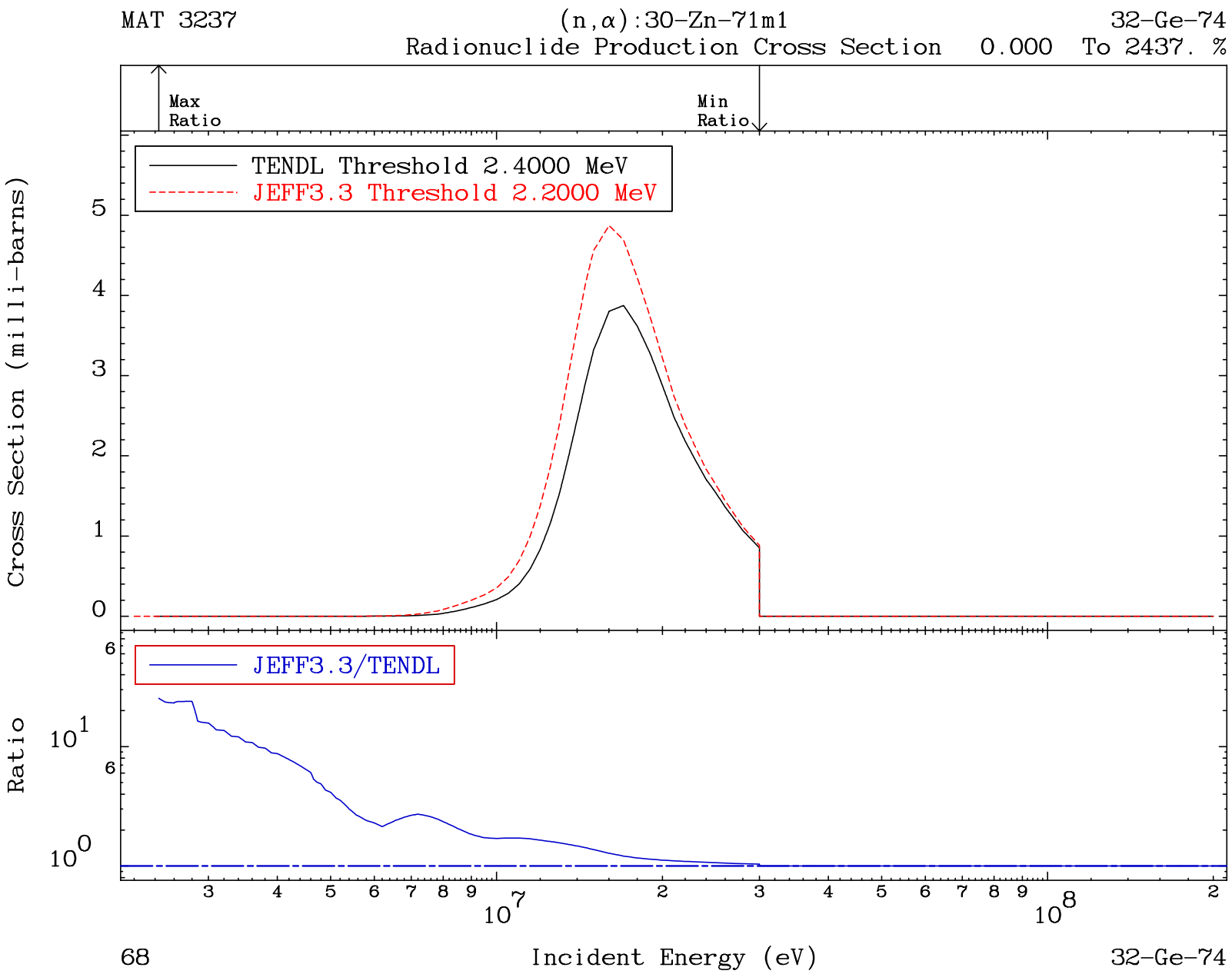

MAT 3237
(n,n') He-3:30-Zn-71g
32-Ge-74
Radionuclide Production Cross Section
-0.465 To 0.000 %
Max
Ratio
TENDL Threshold 21.312 MeV
JEFF3.3 Threshold 21.312 MeV
Cross Section (micro-barns)
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
63
Incident Energy (MeV)
32-Ge-74

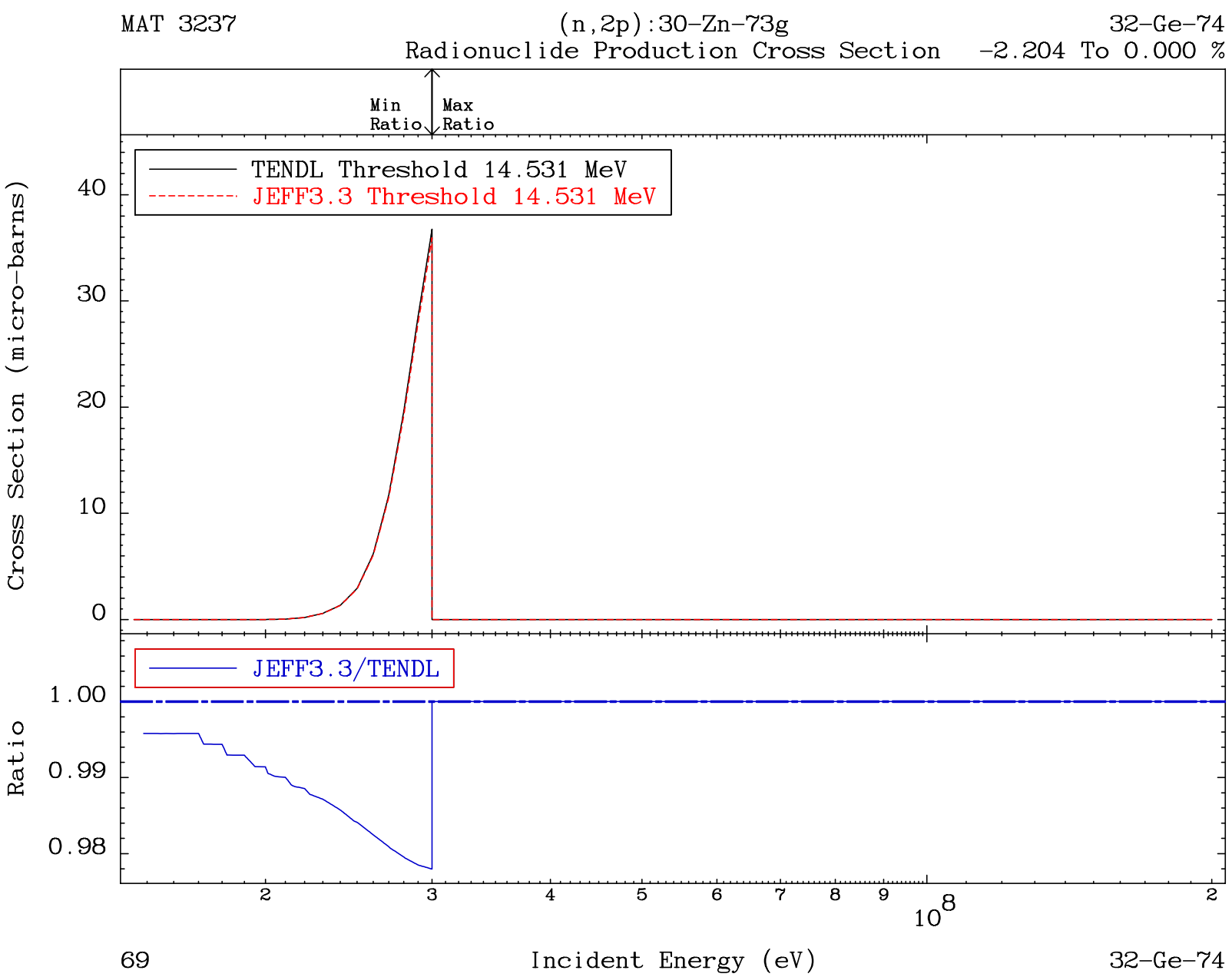

MAT 3237
(n,n') He-3:30-Zn-71m1
32-Ge-74
Radionuclide Production Cross Section
-0.211 To 0.000 %
Max
Ratio
TENDL Threshold 21.472 MeV
JEFF3.3 Threshold 21.472 MeV
Cross Section (micro-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
64
Incident Energy (MeV)
32-Ge-74

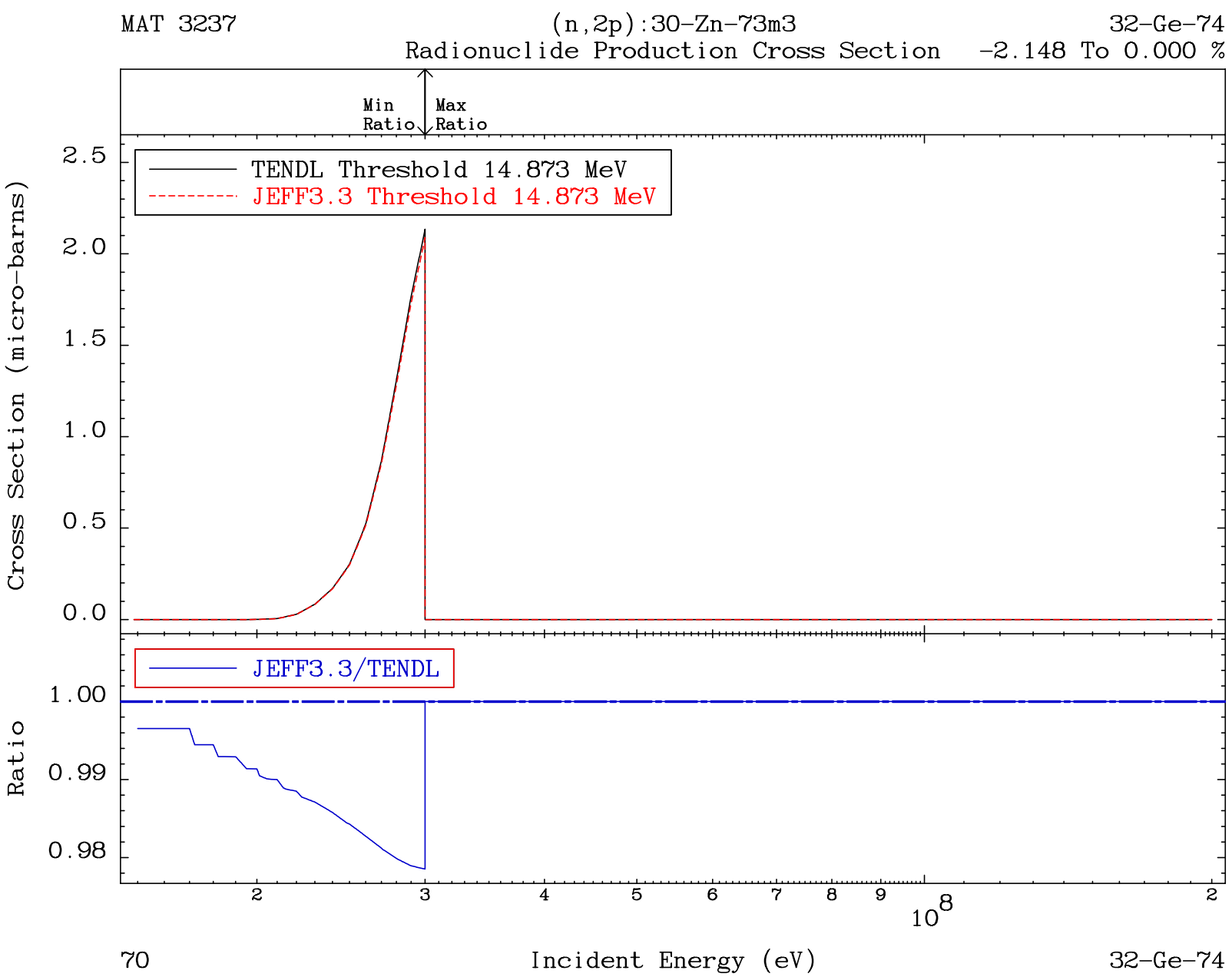

MAT 3237
(n,p):31-Ga-74g
32-Ge-74
Radionuclide Production Cross Section
-0.136 To 0.032 %
Min Ratio
Max Ratio
TENDL Threshold 4.6531 MeV
JEFF3.3 Threshold 4.6531 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
65
Incident Energy (eV)
32-Ge-74

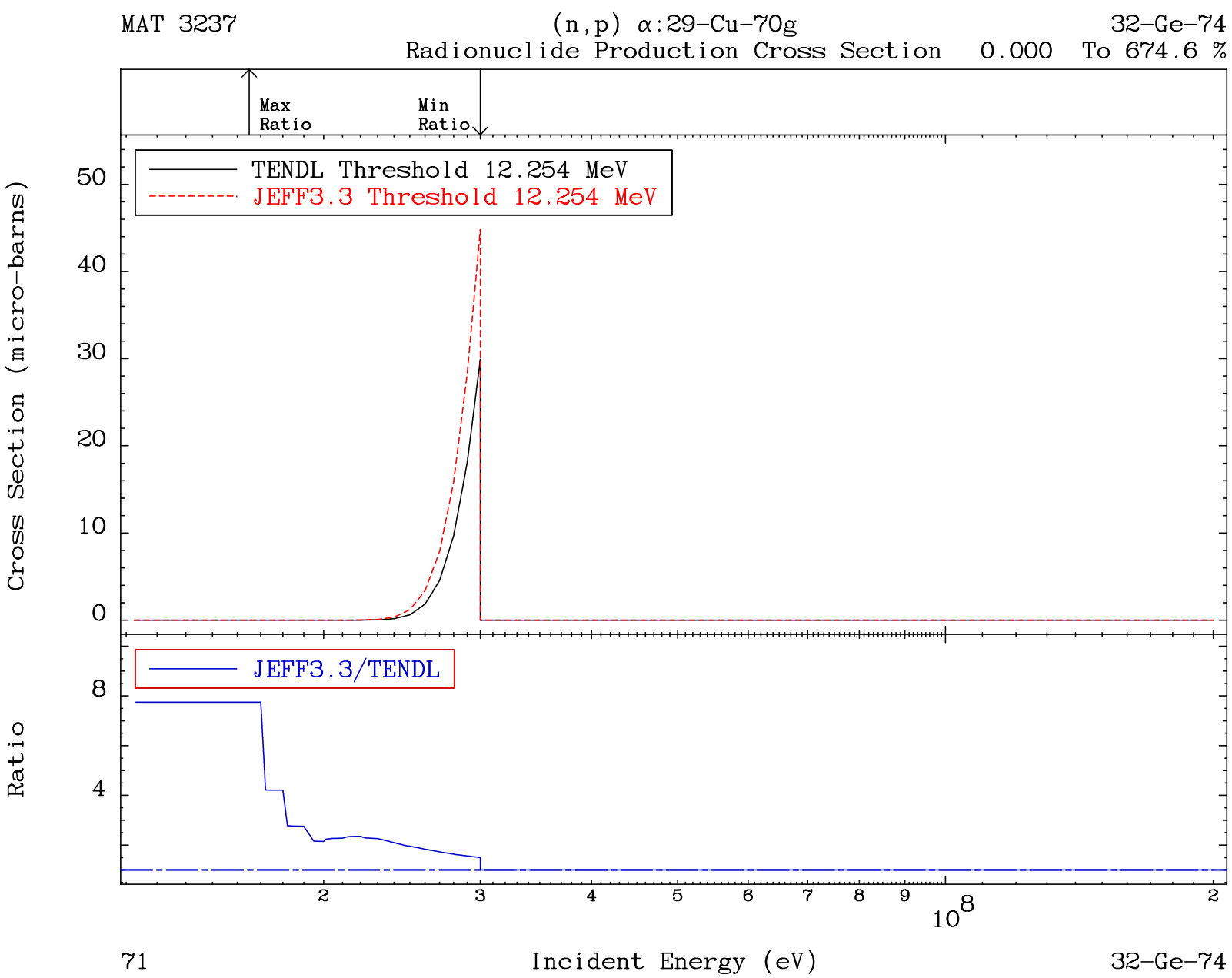

MAT 3237
(n,p):31-Ga-74m2
32-Ge-74
Radionuclide Production Cross Section
-0.137 To 0.031 %
Min Ratio
Max Ratio
TENDL Threshold 4.7135 MeV
JEFF3.3 Threshold 4.7135 MeV
Cross Section (milli-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
66
Incident Energy (eV)
32-Ge-74

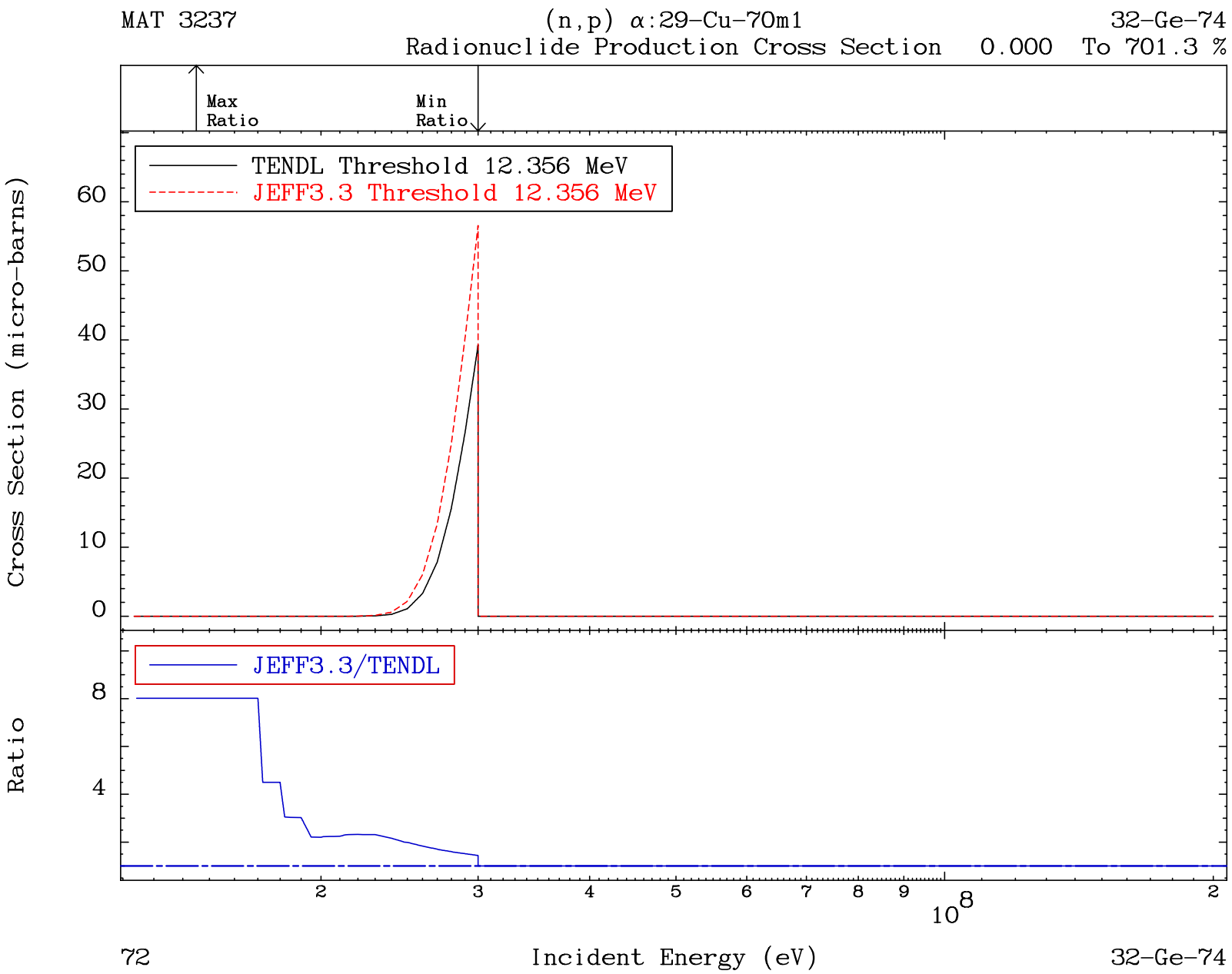

MAT 3237
(n,α):30-Zn-71g
32-Ge-74
Radionuclide Production Cross Section -47.41 To 1961. %
Min Ratio
Max Ratio
TENDL Threshold 453.36 keV
JEFF3.3 Threshold 453.36 keV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
32-Ge-74

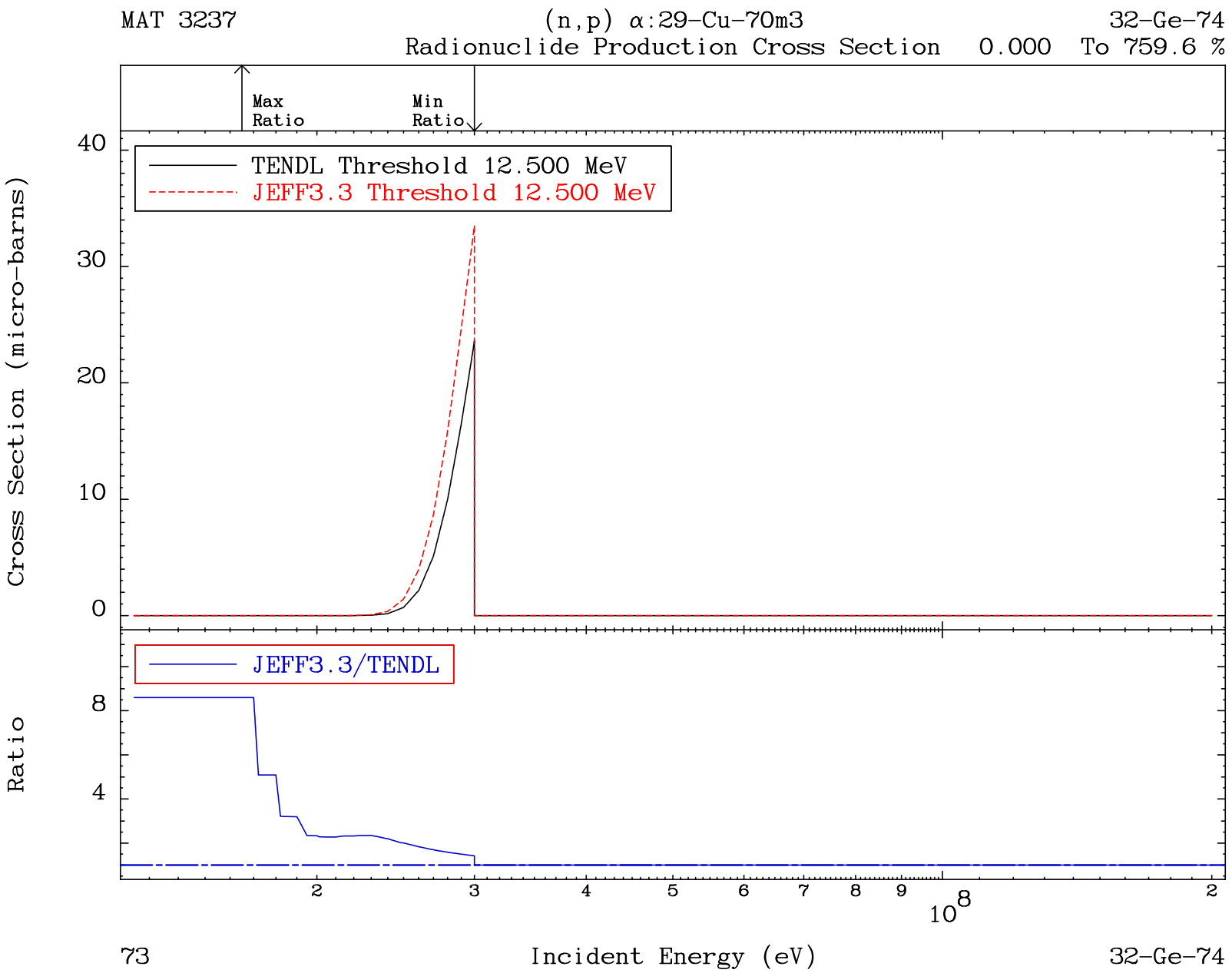

MAT 3237
(n,α):30-Zn-71m1
32-Ge-74
Radionuclide Production Cross Section 0.000 To 2437. %
Max Ratio
Min Ratio
TENDL Threshold 2.4000 MeV
JEFF3.3 Threshold 2.2000 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
32-Ge-74

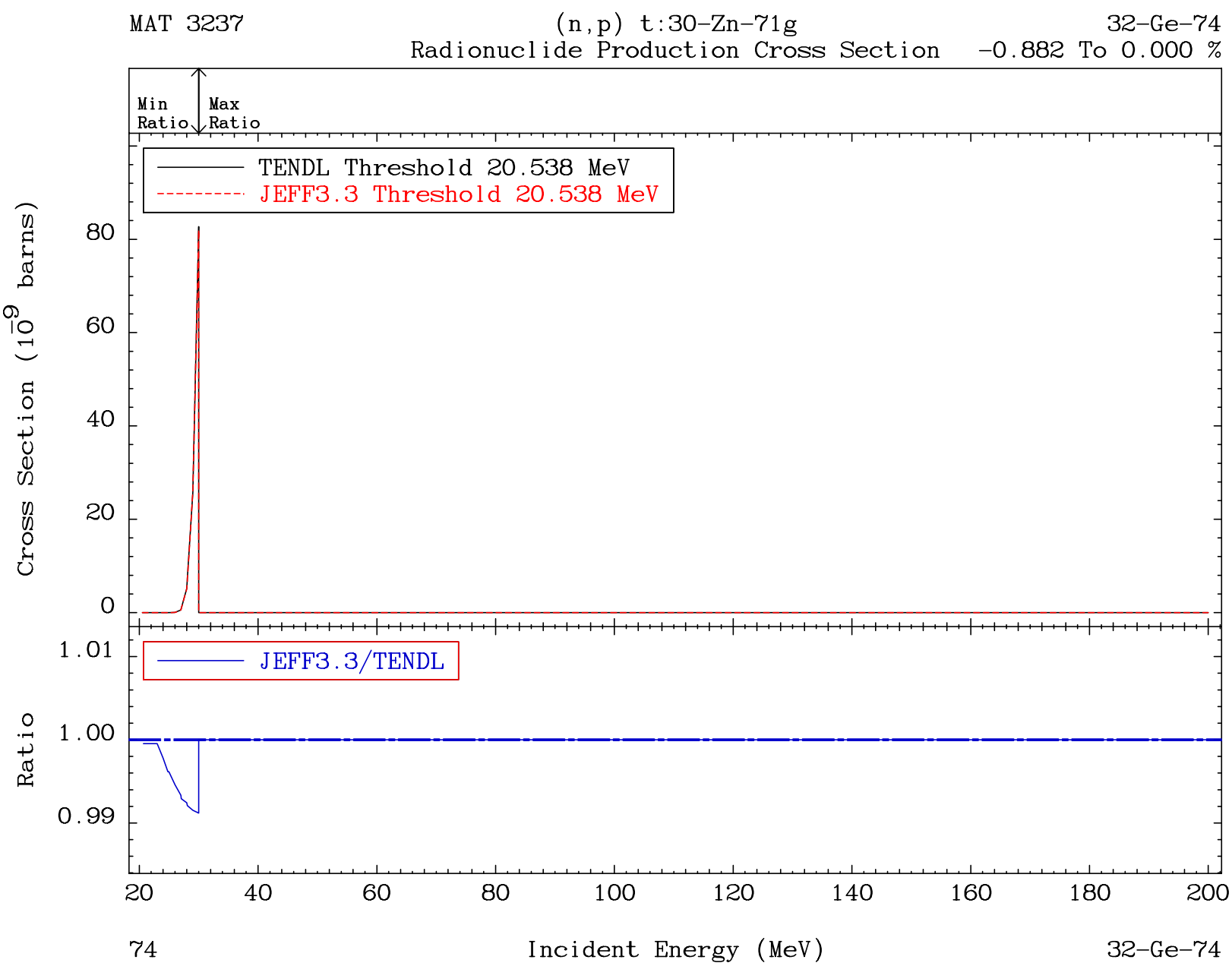

MAT 3237
(n,2p):30-Zn-73g
32-Ge-74
Radionuclide Production Cross Section
-2.204 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.531 MeV
JEFF3.3 Threshold 14.531 MeV
Cross Section (micro-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
69
Incident Energy (eV)
32-Ge-74

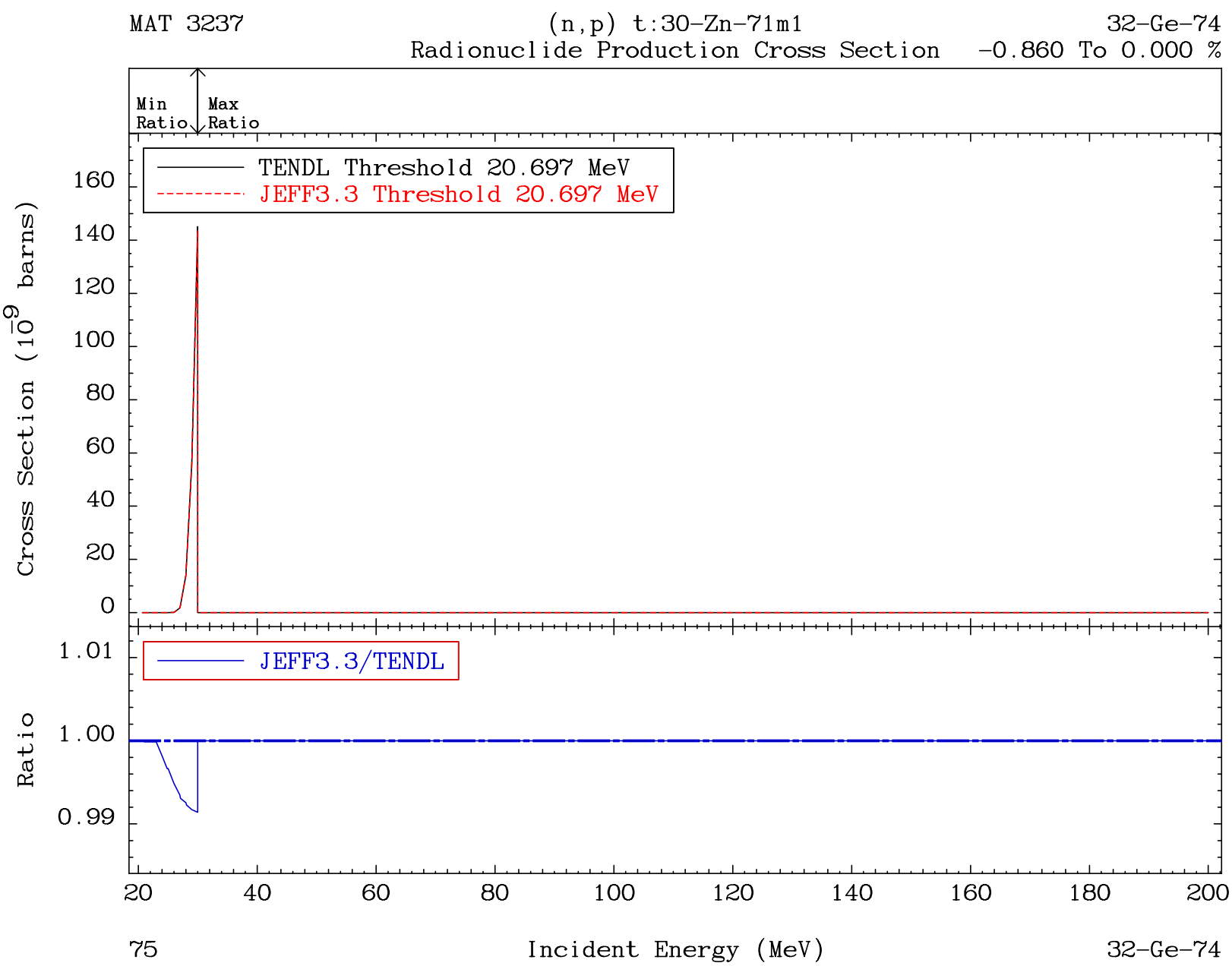

MAT 3237
(n,2p):30-Zn-73m3
32-Ge-74
Radionuclide Production Cross Section
-2.148 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.873 MeV
JEFF3.3 Threshold 14.873 MeV
Cross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
70
Incident Energy (eV)
32-Ge-74


MAT 3237
(n,p) α:29-Cu-70g
32-Ge-74
Radionuclide Production Cross Section 0.000 To 674.6 %
Max Ratio
Min Ratio
TENDL Threshold 12.254 MeV
JEFF3.3 Threshold 12.254 MeV
Cross Section (micro-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
8
4
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
32-Ge-74


MAT 3237
(n,p) α:29-Cu-70m1
32-Ge-74
Radionuclide Production Cross Section 0.000 To 701.3 %
Max Ratio
Min Ratio
TENDL Threshold 12.356 MeV
JEFF3.3 Threshold 12.356 MeV
Cross Section (micro-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
8
4
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
32-Ge-74


MAT 3237
(n,p) α:29-Cu-70m3
32-Ge-74
Radionuclide Production Cross Section 0.000 To 759.6 %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JEFF3.3 Threshold 12.500 MeV
Cross Section (micro-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
8
4
2
3
4
5
6
7
8
9
10^8
2
73
Incident Energy (eV)
32-Ge-74


MAT 3237
(n,p) t:30-Zn-71g
32-Ge-74
Radionuclide Production Cross Section
-0.882 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 20.538 MeV
JEFF3.3 Threshold 20.538 MeV
Cross Section (10^{-9} barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
74
Incident Energy (MeV)
32-Ge-74


MAT 3237
(n,p) t:30-Zn-71m1
32-Ge-74
Radionuclide Production Cross Section
-0.860 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 20.697 MeV
JEFF3.3 Threshold 20.697 MeV
Cross Section (10^{-9} barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
75
Incident Energy (MeV)
32-Ge-74