Program Complot
(Version 2021-1)
by
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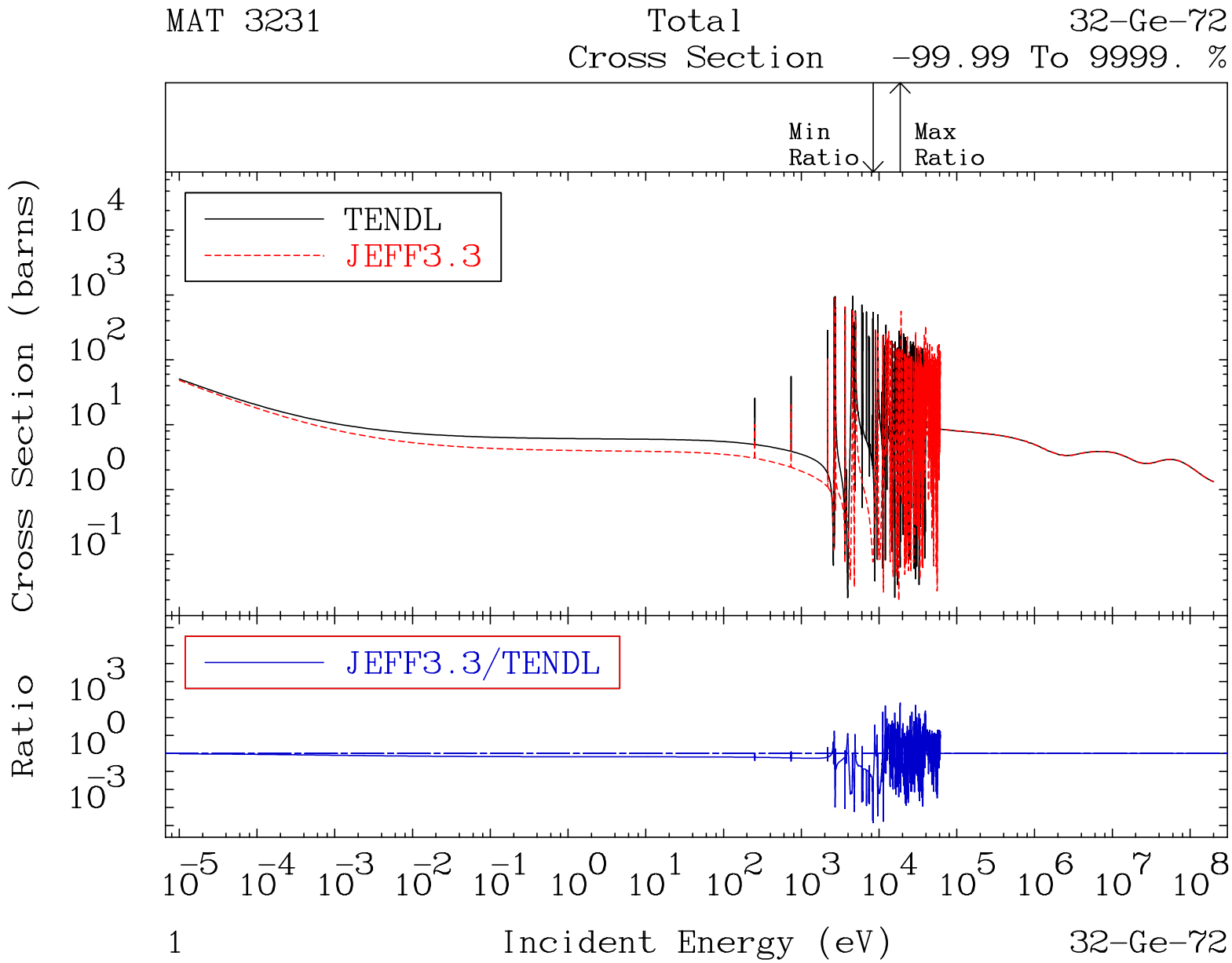
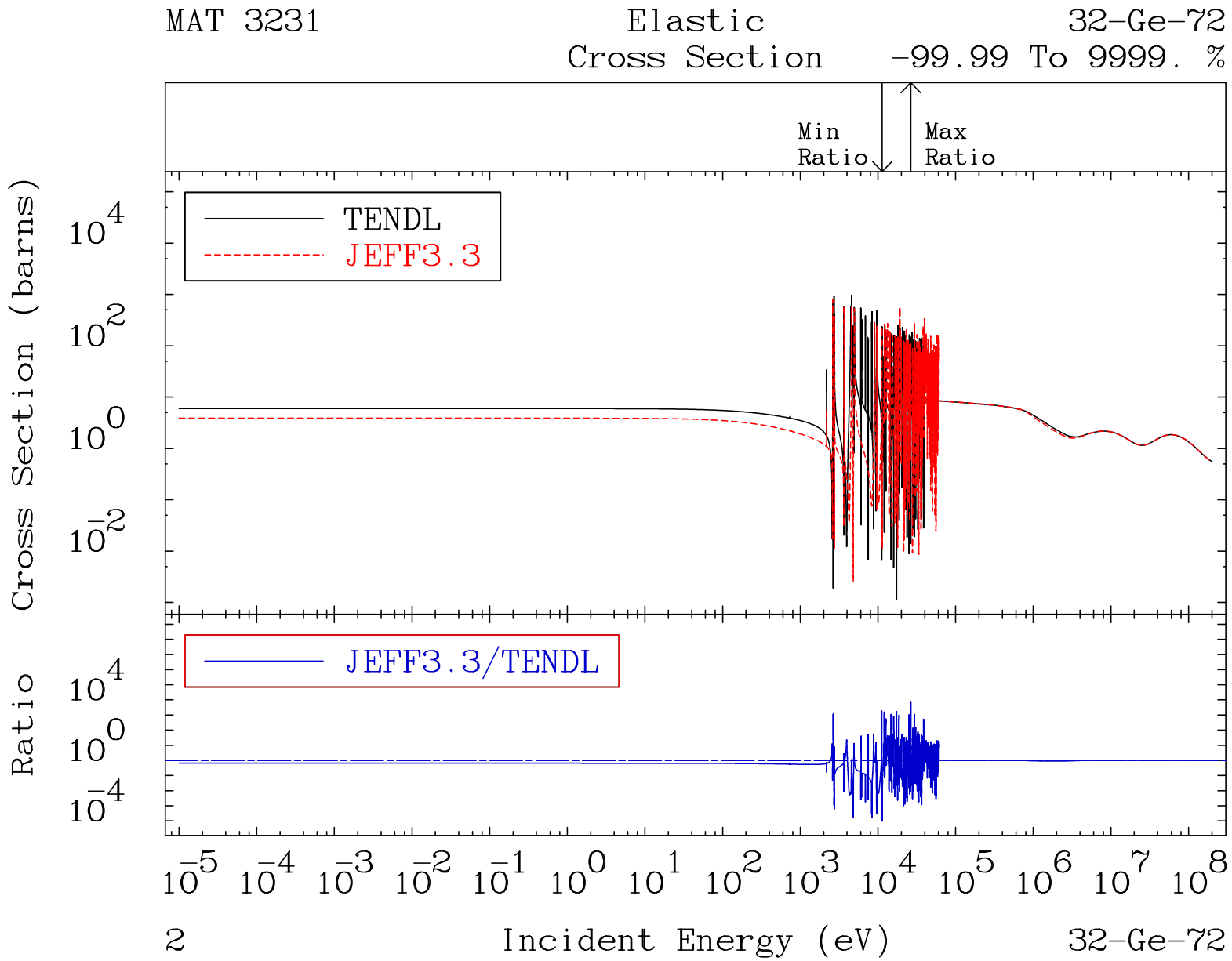
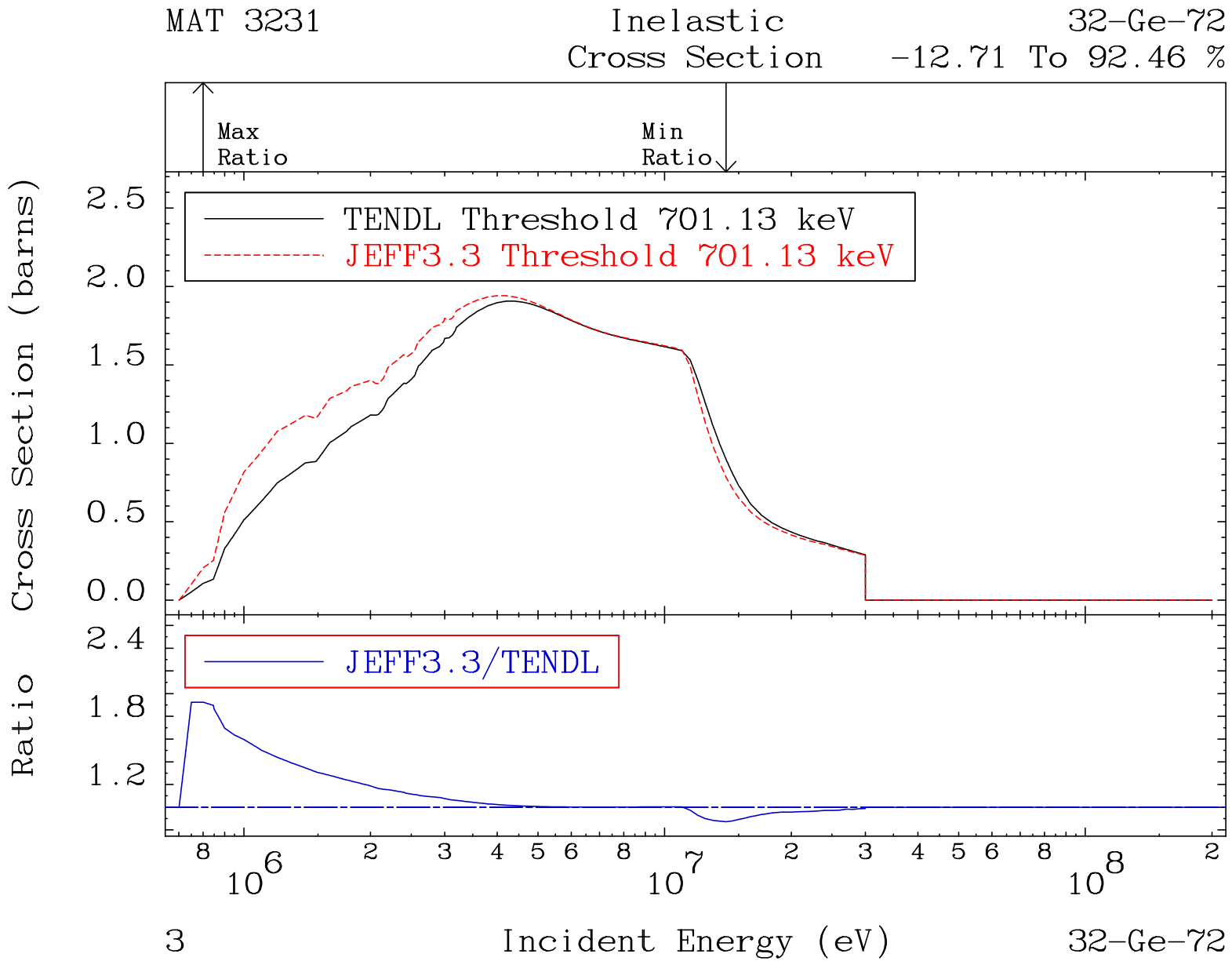
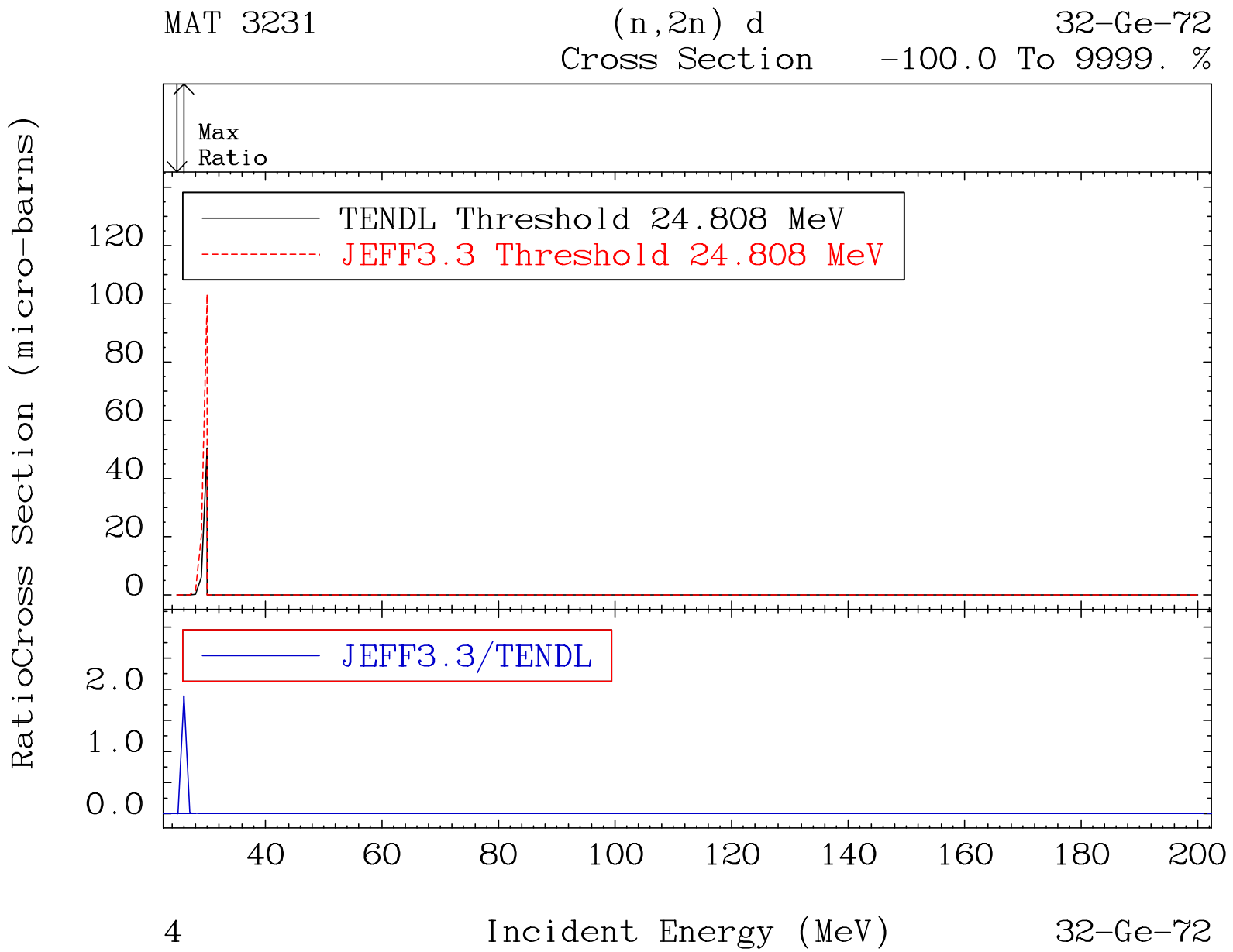
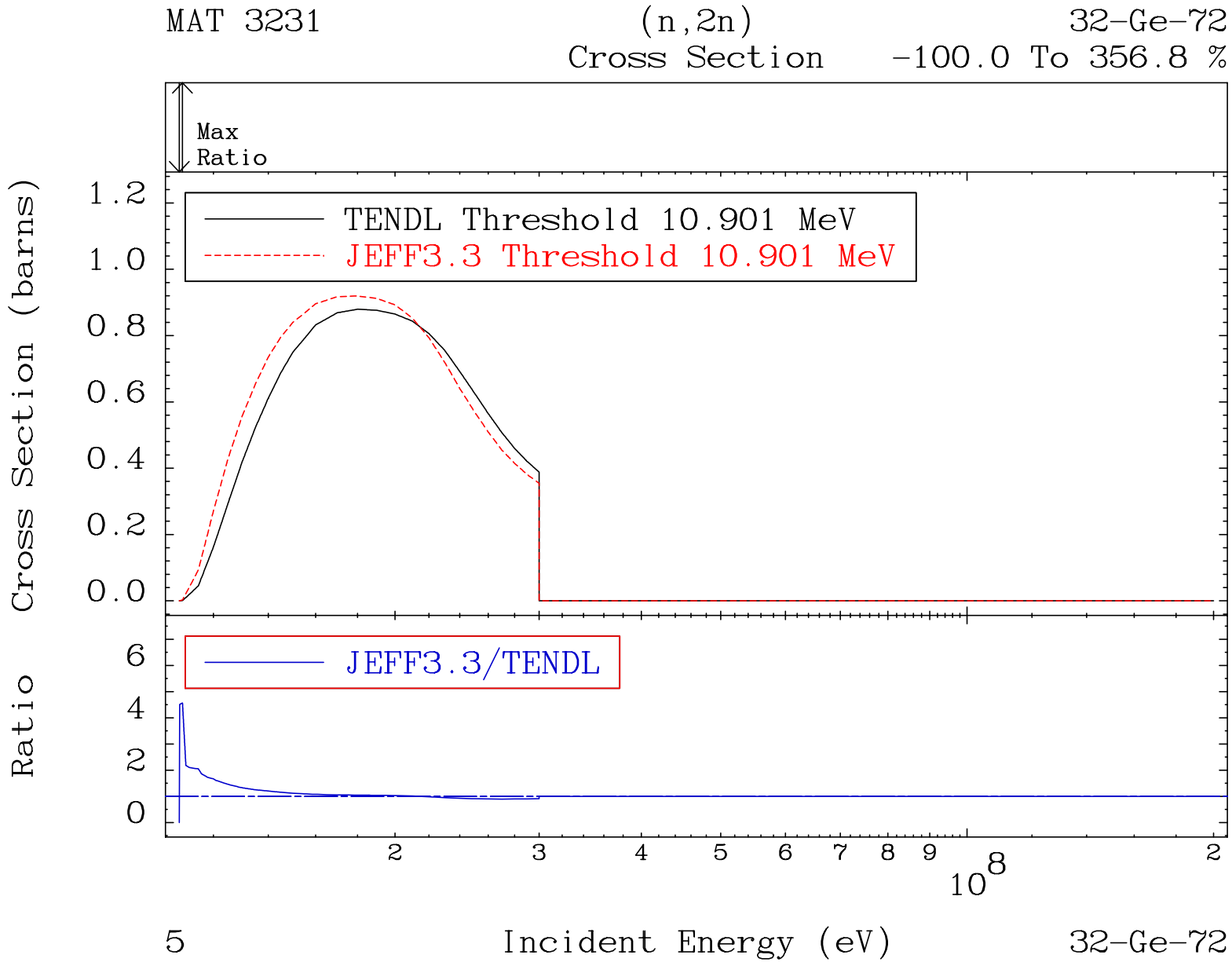
Press Mouse Button to Start

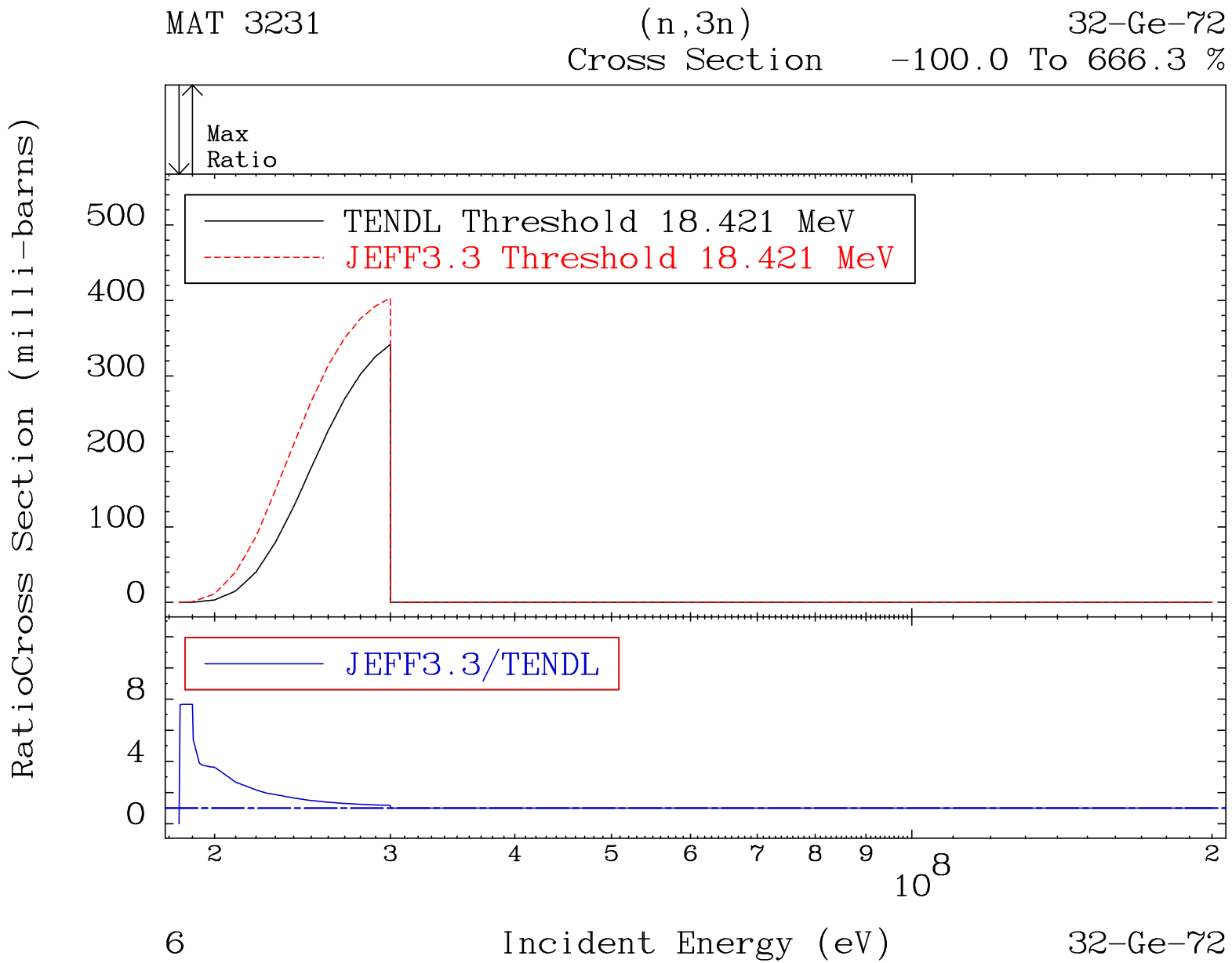

MAT 3231
Total
Cross Section
32-Ge-72
-99.99 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
32-Ge-72

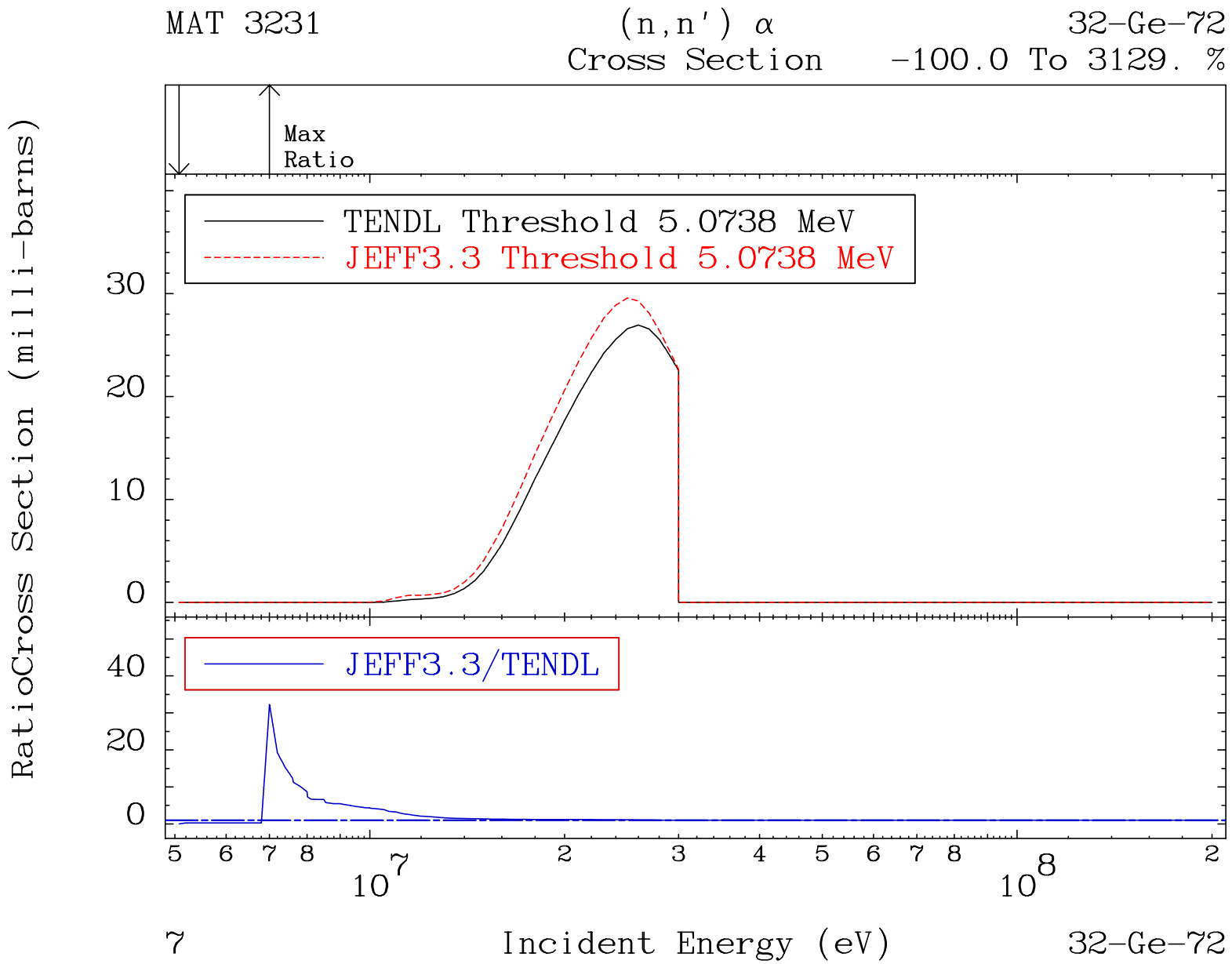

MAT 3231
Elastic
Cross Section
32-Ge-72
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
32-Ge-72

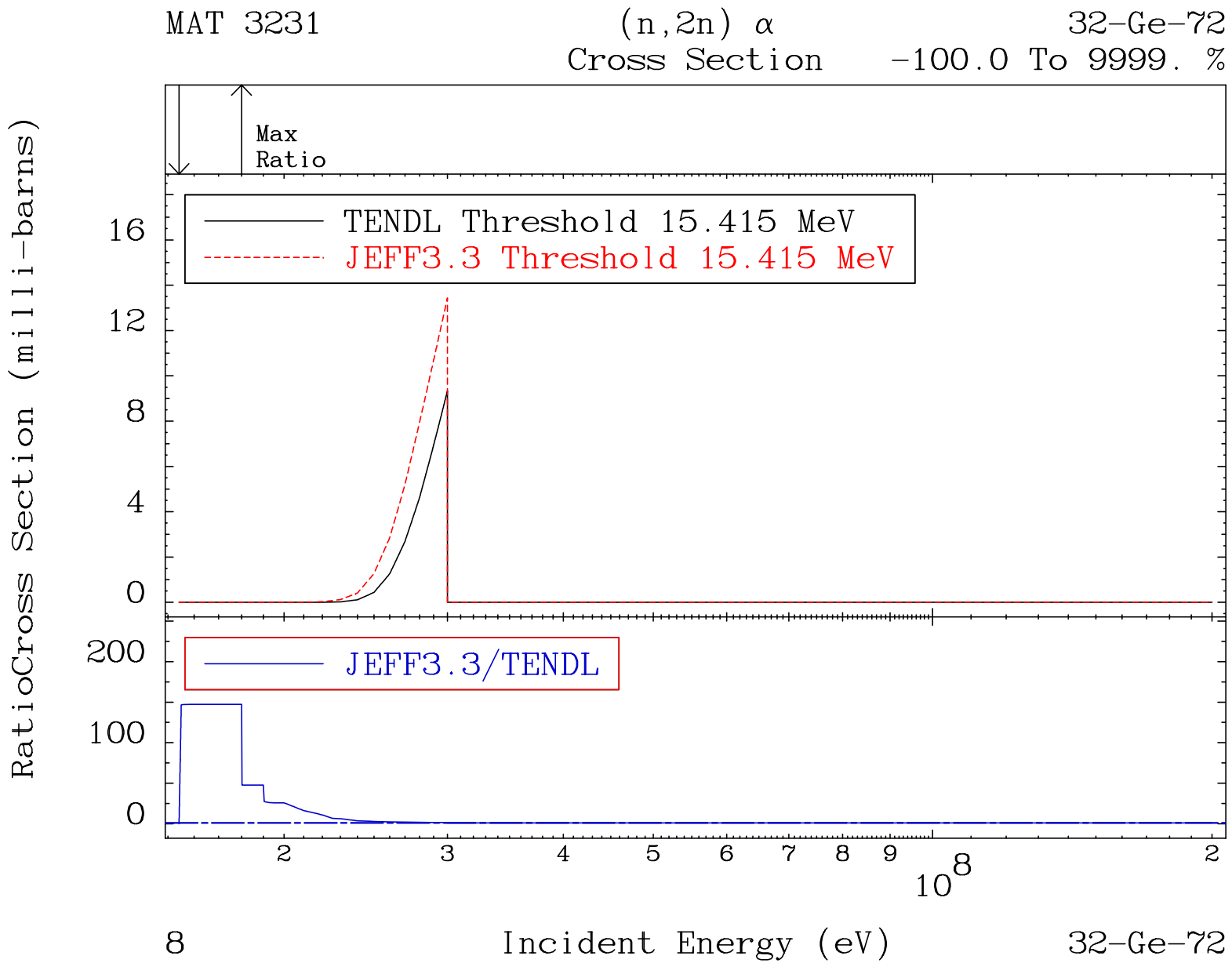

MAT 3231
Inelastic
Cross Section
32-Ge-72
-12.71 To 92.46 %
Max
Ratio
Min
Ratio
TENDL Threshold 701.13 keV
JEFF3.3 Threshold 701.13 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
32-Ge-72

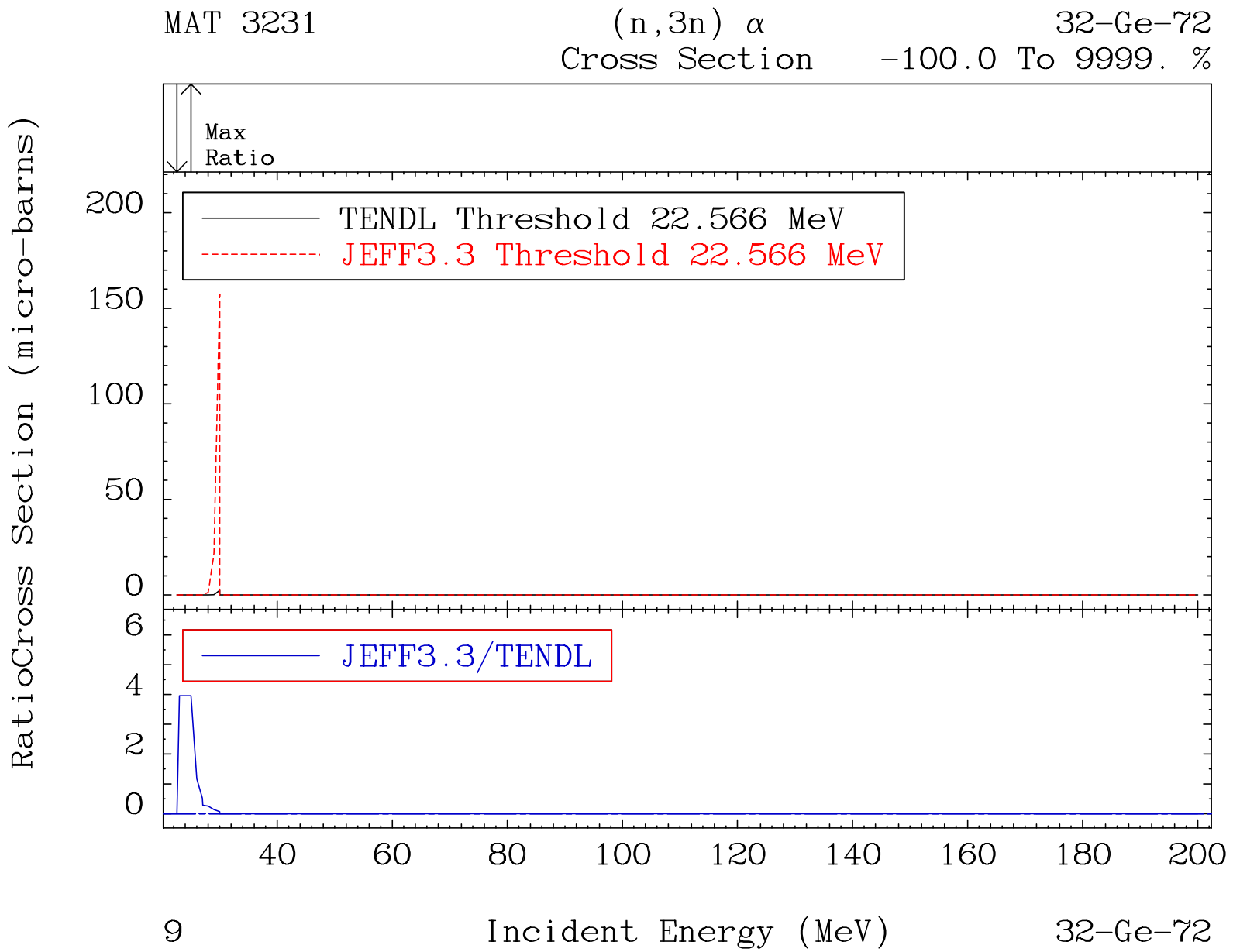

MAT 3231
(n,2n) d
Cross Section
32-Ge-72
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 24.808 MeV
JEFF3.3 Threshold 24.808 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
40
60
80
100
120
140
160
180
200
Incident Energy (MeV)

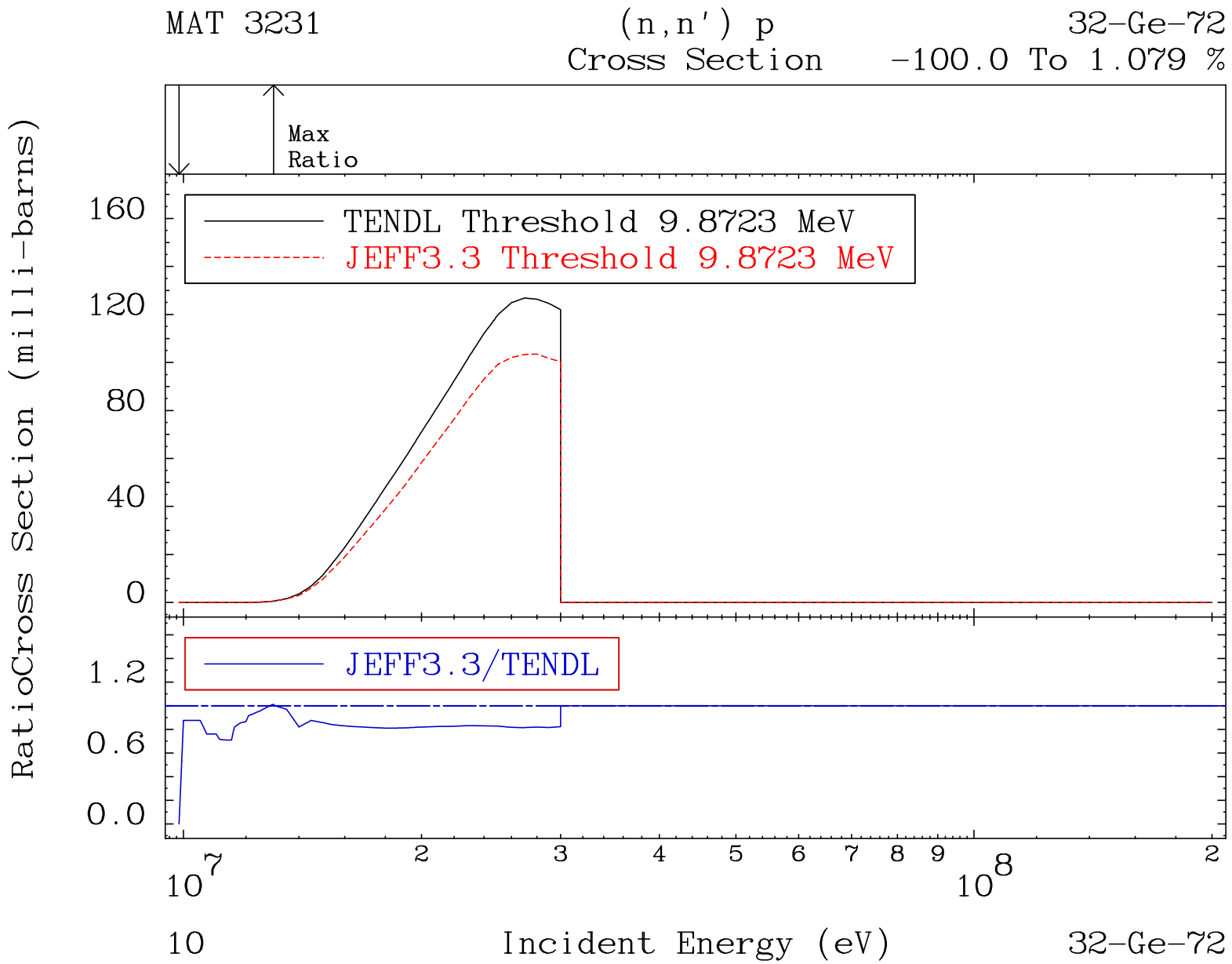

MAT 3231
(n,2n)
Cross Section
32-Ge-72
-100.0 To 356.8 %
Max
Ratio
TENDL Threshold 10.901 MeV
JEFF3.3 Threshold 10.901 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
6
4
2
0
2
3
4
5
6
7
8
9
2
10^8
Incident Energy (eV)
5
32-Ge-72

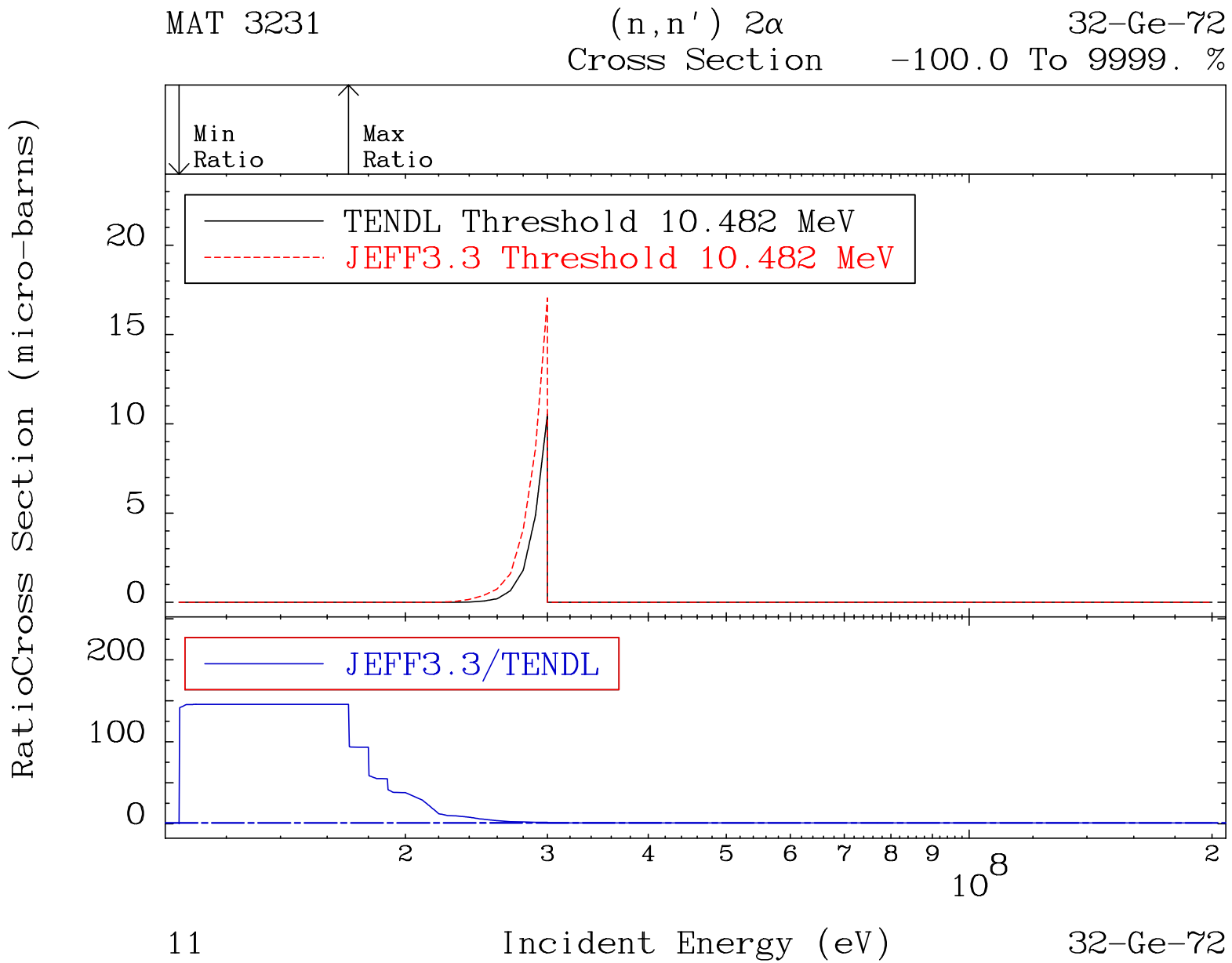

MAT 3231
(n,3n)
Cross Section
32-Ge-72
-100.0 To 666.3 %
Max
Ratio
TENDL Threshold 18.421 MeV
JEFF3.3 Threshold 18.421 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
32-Ge-72

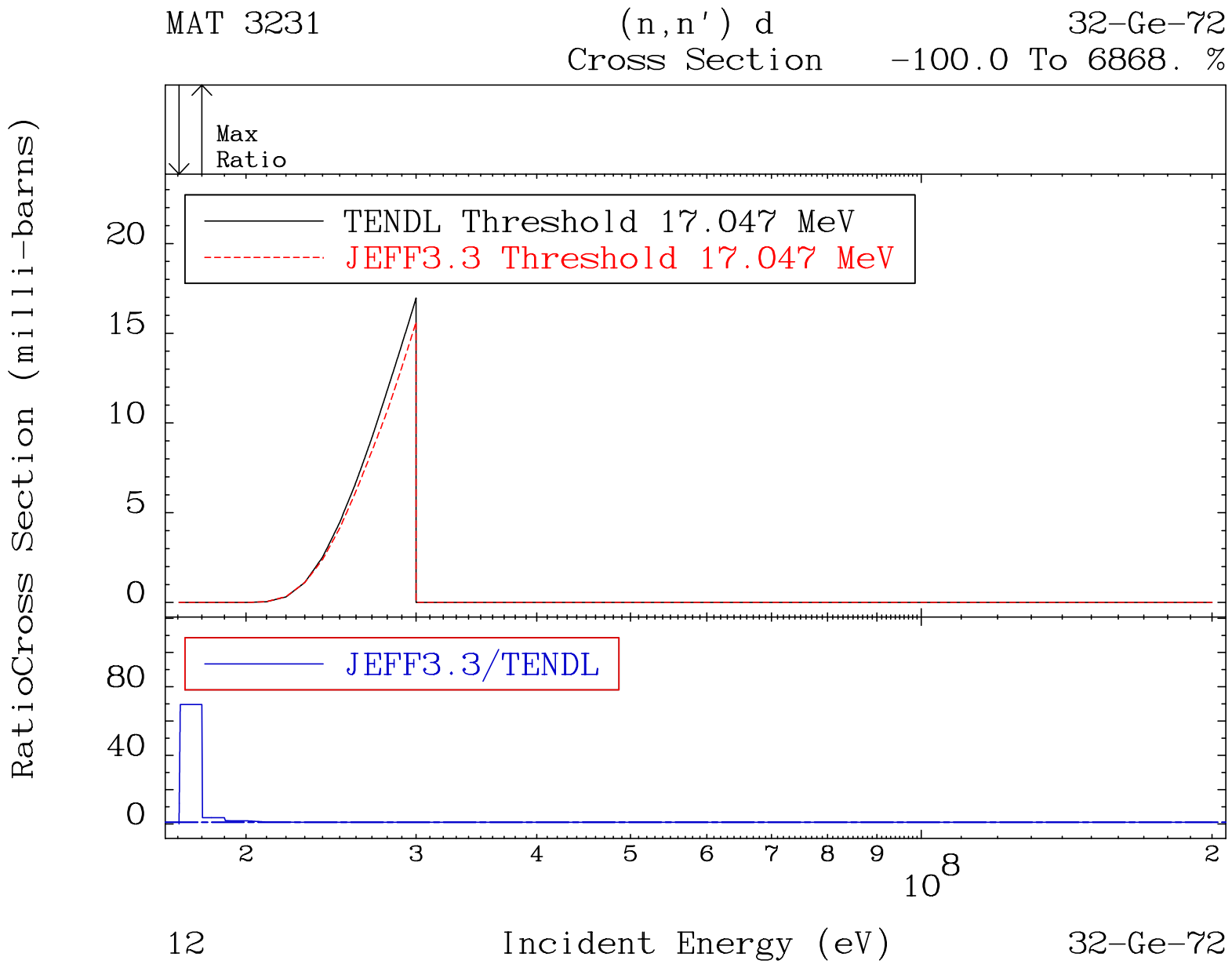

MAT 3231
(n,n') α
Cross Section
32-Ge-72
-100.0 To 3129. %
Max
Ratio
TENDL Threshold 5.0738 MeV
JEFF3.3 Threshold 5.0738 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
40
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
32-Ge-72

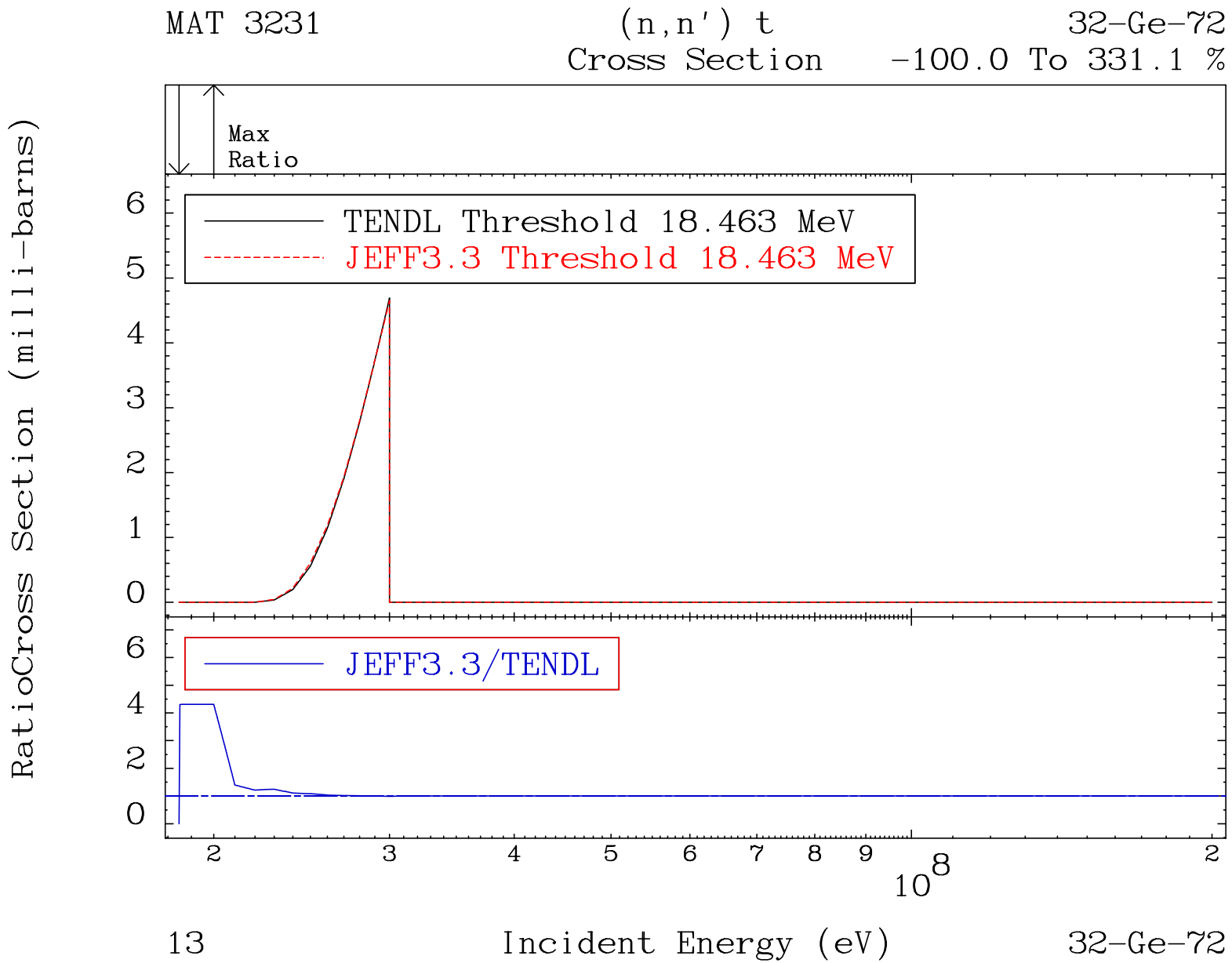

MAT 3231
(n,2n) α
32-Ge-72
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 15.415 MeV
JEFF3.3 Threshold 15.415 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
32-Ge-72

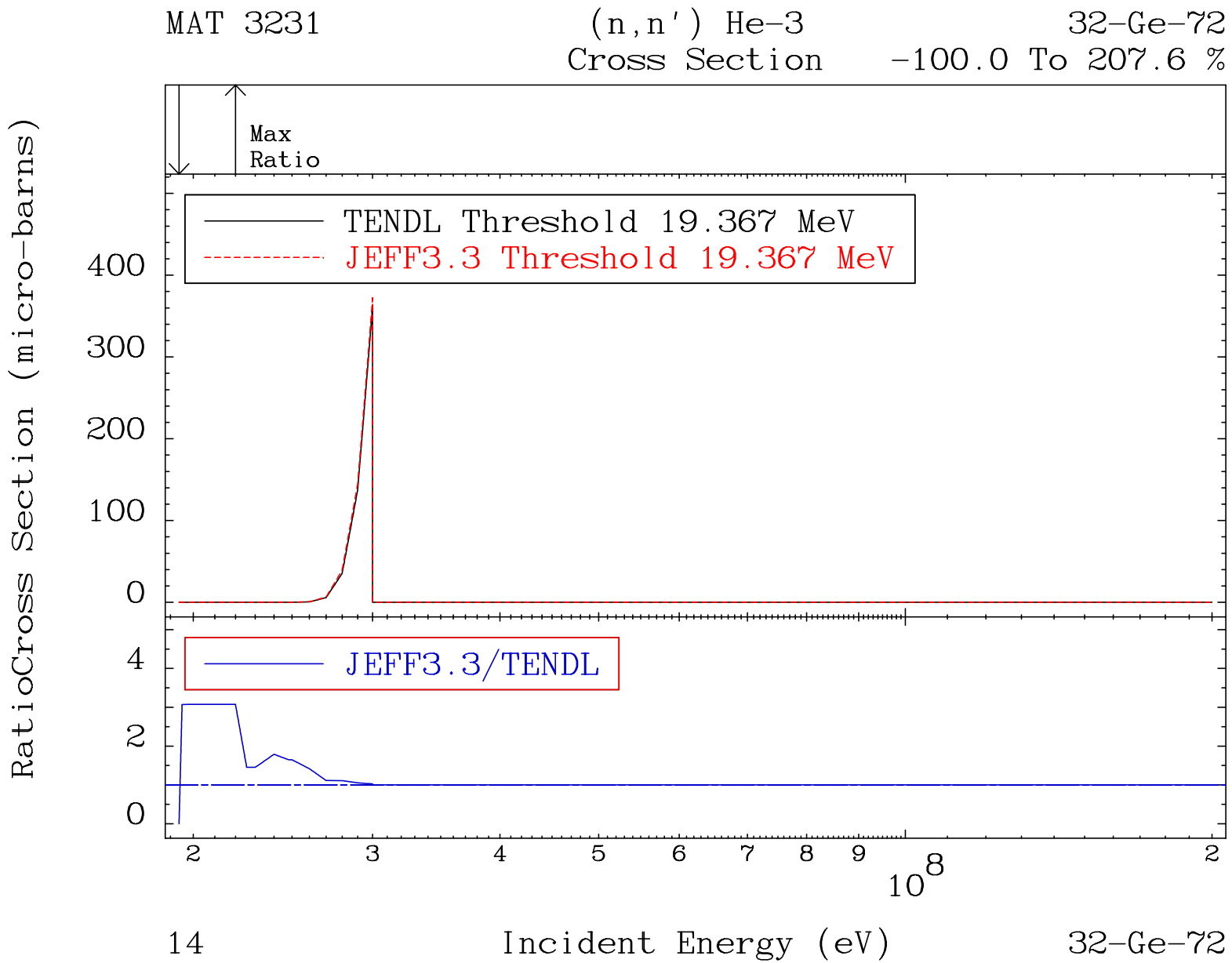

MAT 3231
(n,3n) α
32-Ge-72
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 22.566 MeV
JEFF3.3 Threshold 22.566 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
6
4
2
0
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
32-Ge-72

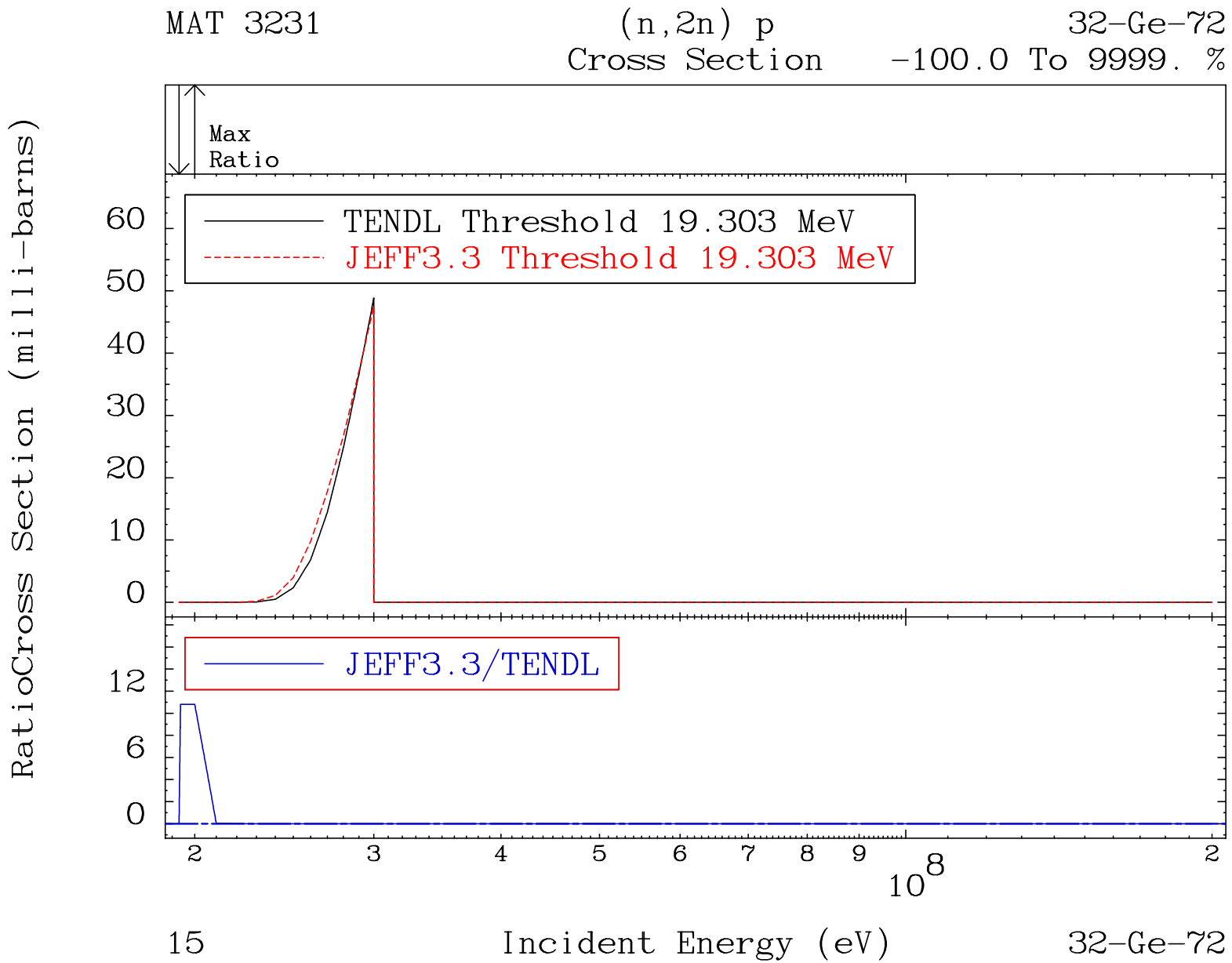

MAT 3231
(n,n') p
Cross Section
32-Ge-72
-100.0 To 1.079 %
Max
Ratio
TENDL Threshold 9.8723 MeV
JEFF3.3 Threshold 9.8723 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
32-Ge-72

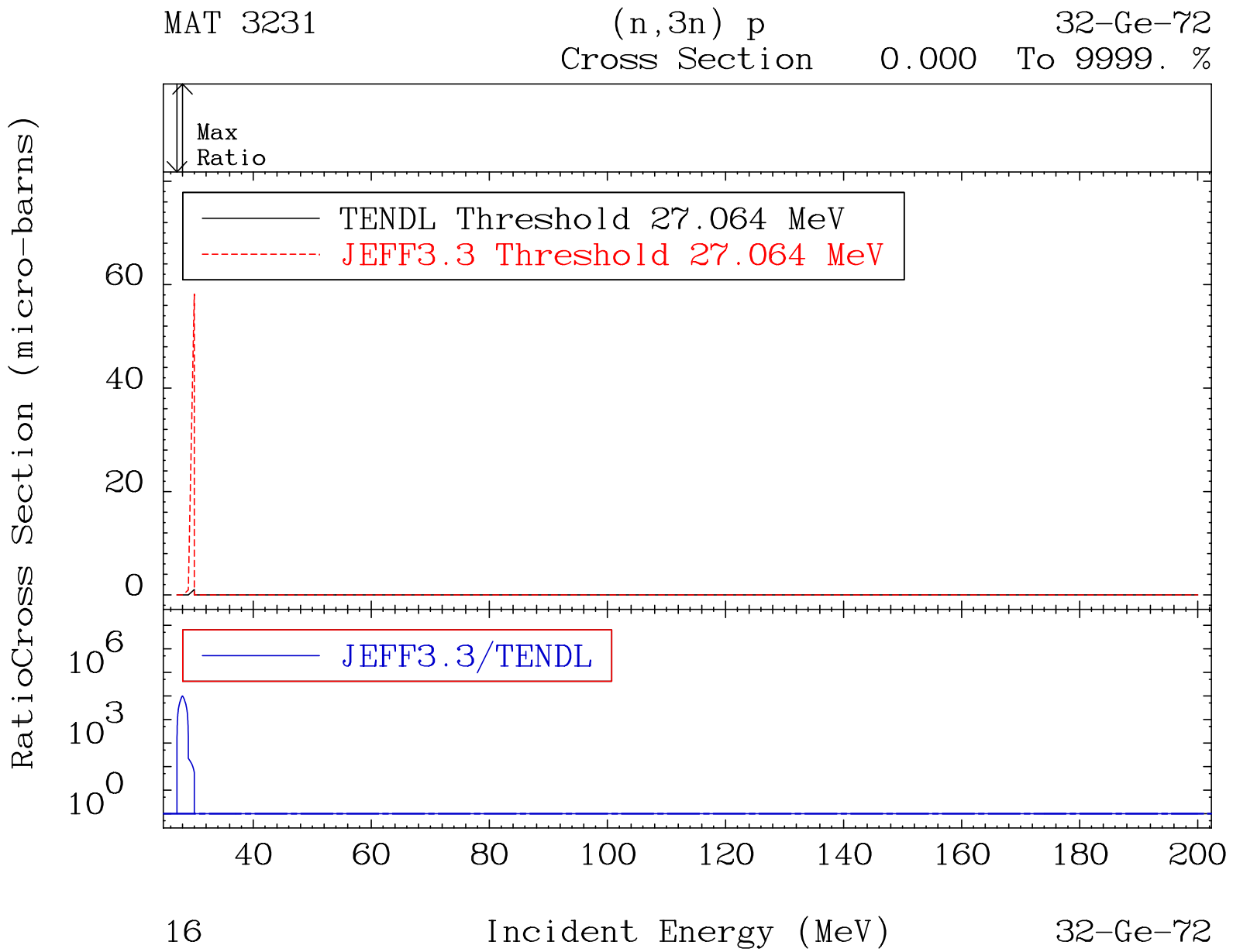

MAT 3231
(n,n') 2α
Cross Section
32-Ge-72
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.482 MeV
JEFF3.3 Threshold 10.482 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
32-Ge-72

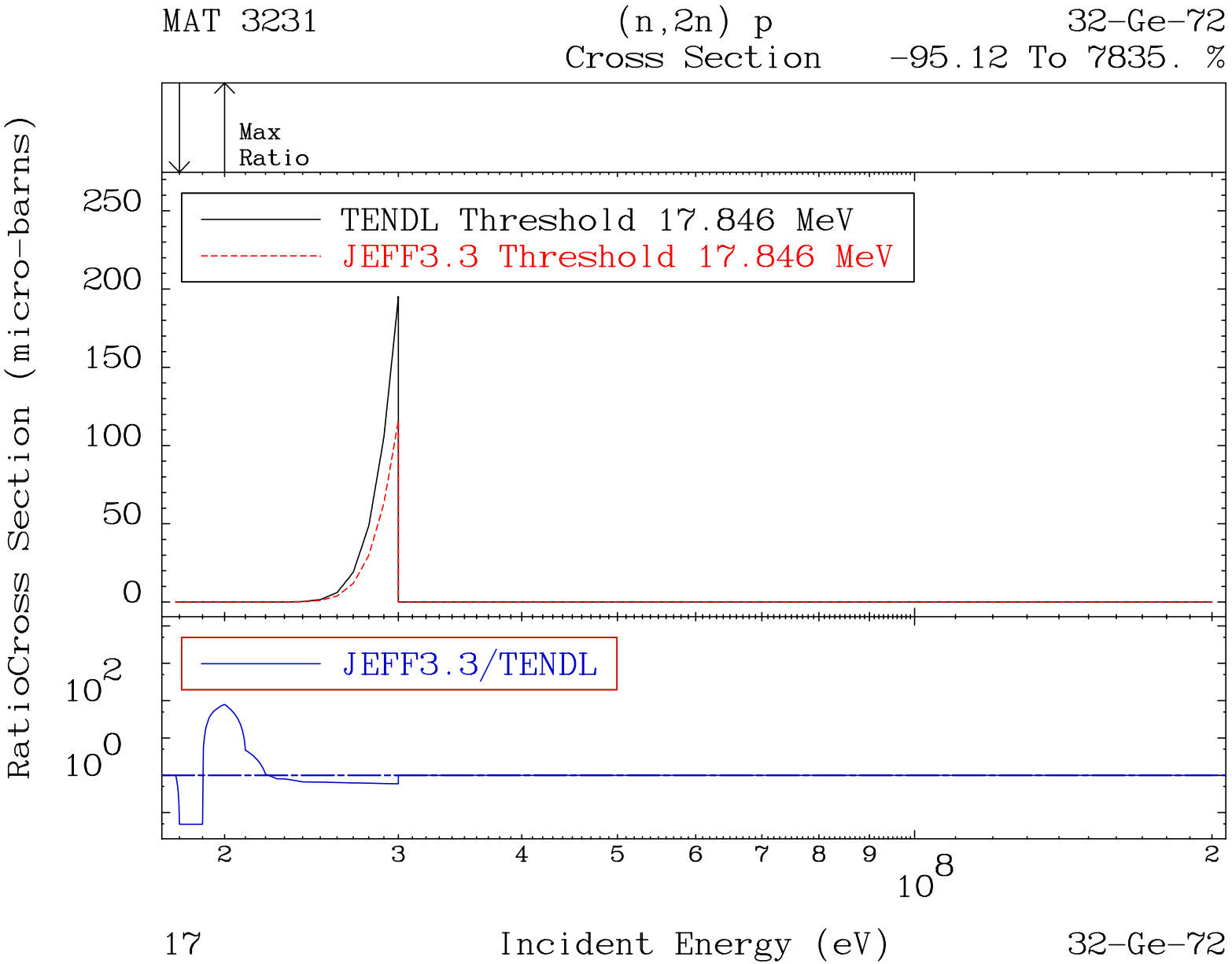

MAT 3231
(n,n') d
Cross Section
32-Ge-72
-100.0 To 6868. %
Max
Ratio
TENDL Threshold 17.047 MeV
JEFF3.3 Threshold 17.047 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
32-Ge-72

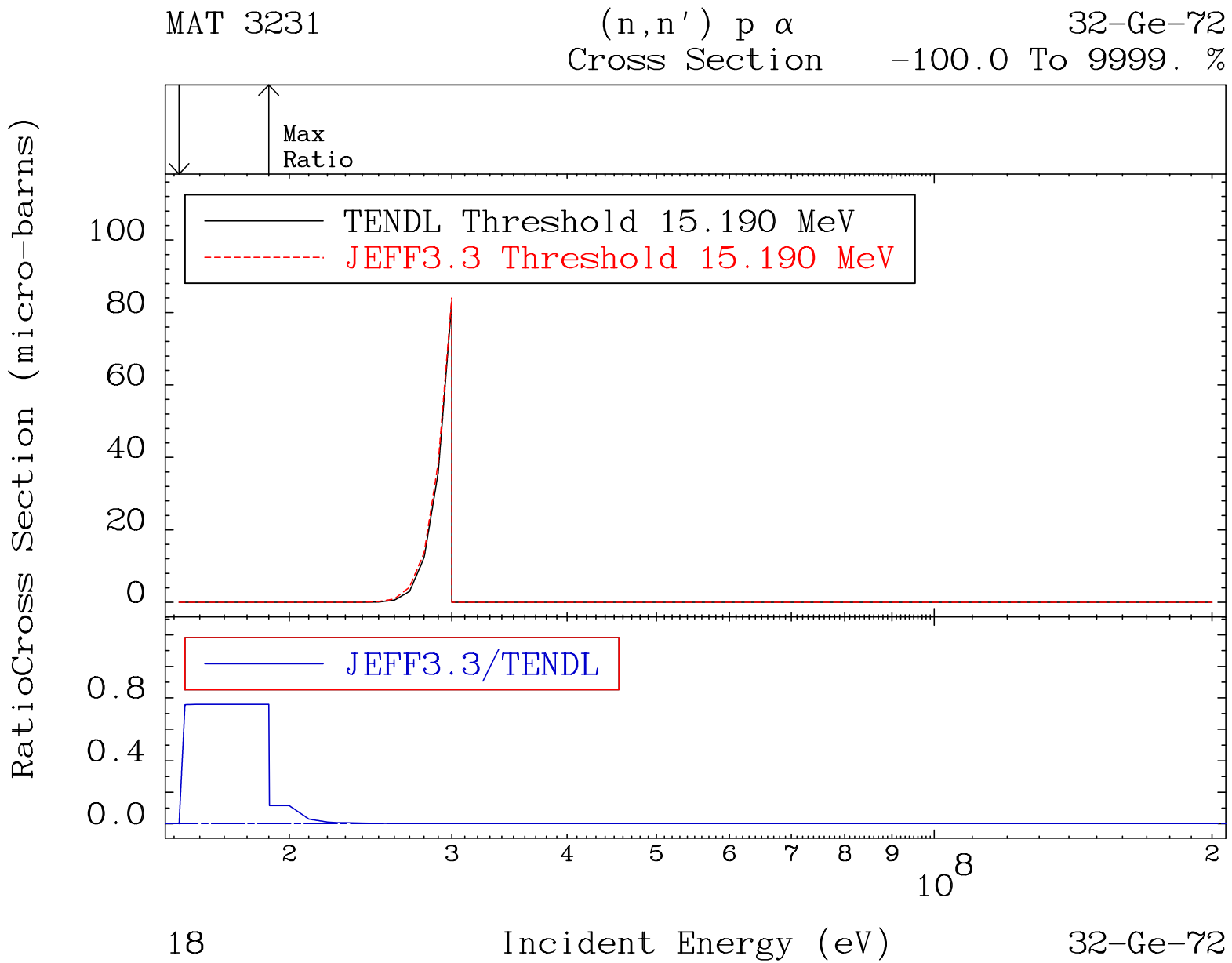

MAT 3231
(n,n') t
Cross Section
32-Ge-72
-100.0 To 331.1 %
Max
Ratio
TENDL Threshold 18.463 MeV
JEFF3.3 Threshold 18.463 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
0
2
4
6
2
3
4
5
6
7
8
9
2
10^8
13
Incident Energy (eV)
32-Ge-72

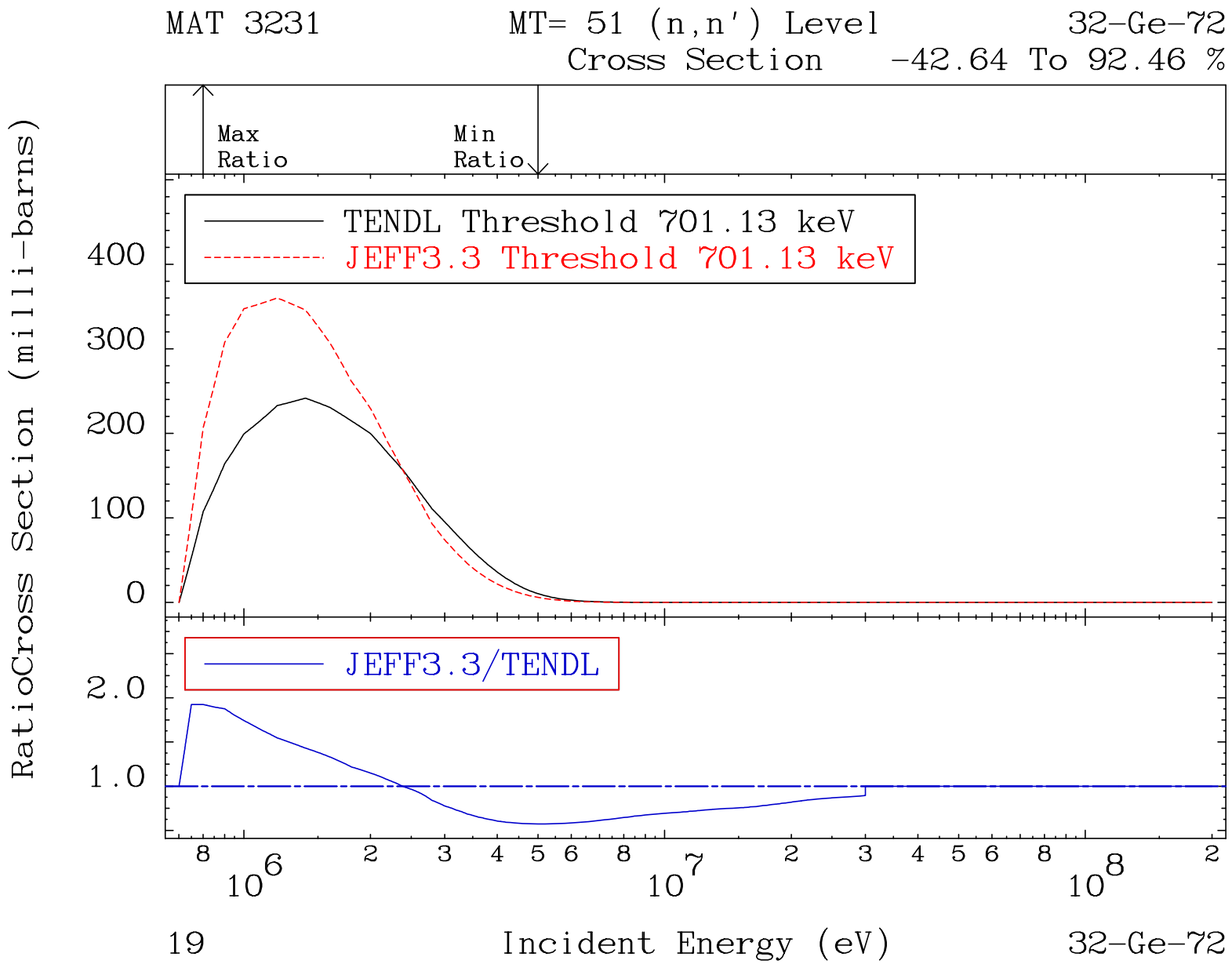

MAT 3231
(n,n') He-3
Cross Section
32-Ge-72
-100.0 To 207.6 %
Max
Ratio
TENDL Threshold 19.367 MeV
JEFF3.3 Threshold 19.367 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
32-Ge-72

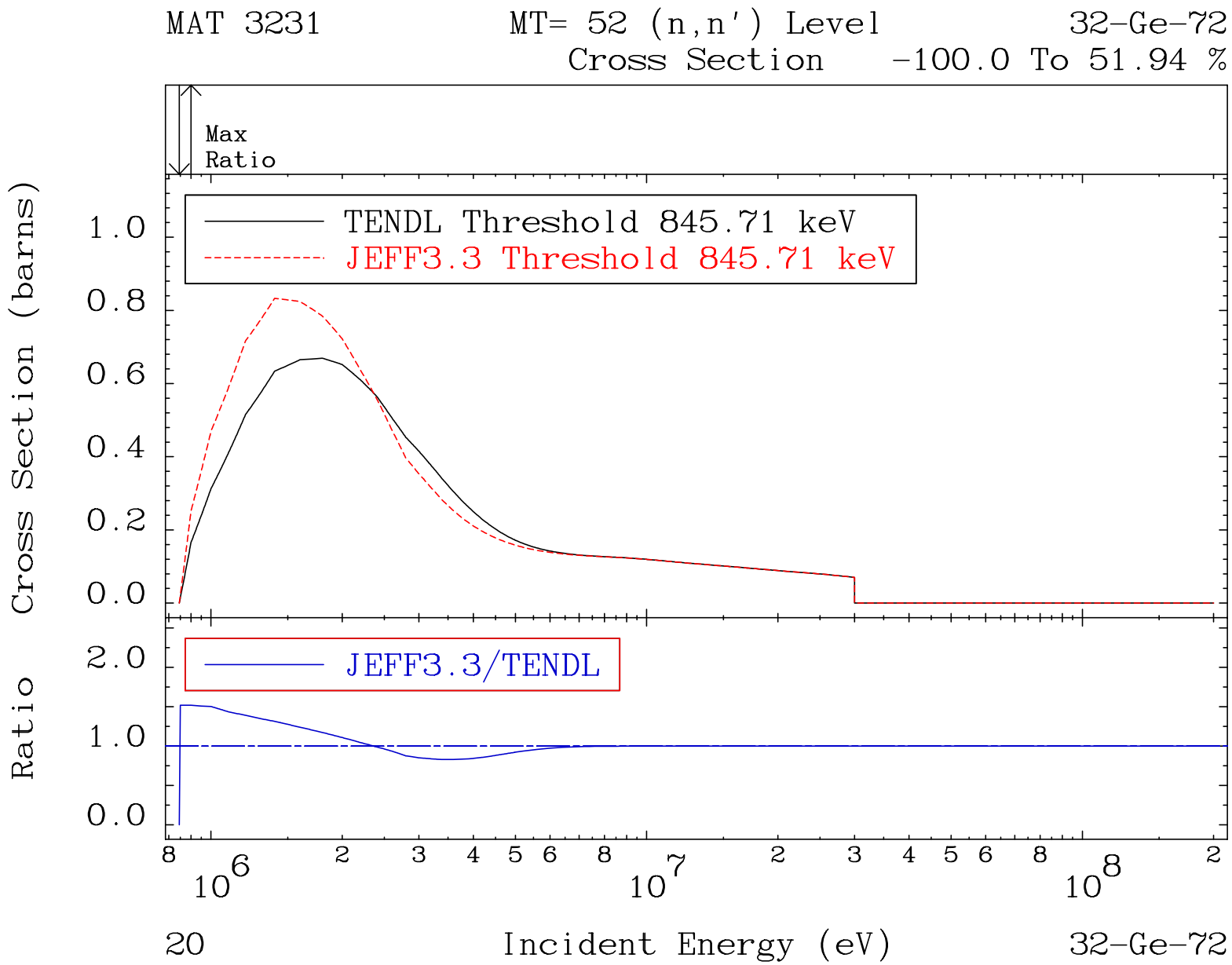

MAT 3231
(n,2n) p
Cross Section
32-Ge-72
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 19.303 MeV
JEFF3.3 Threshold 19.303 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
32-Ge-72

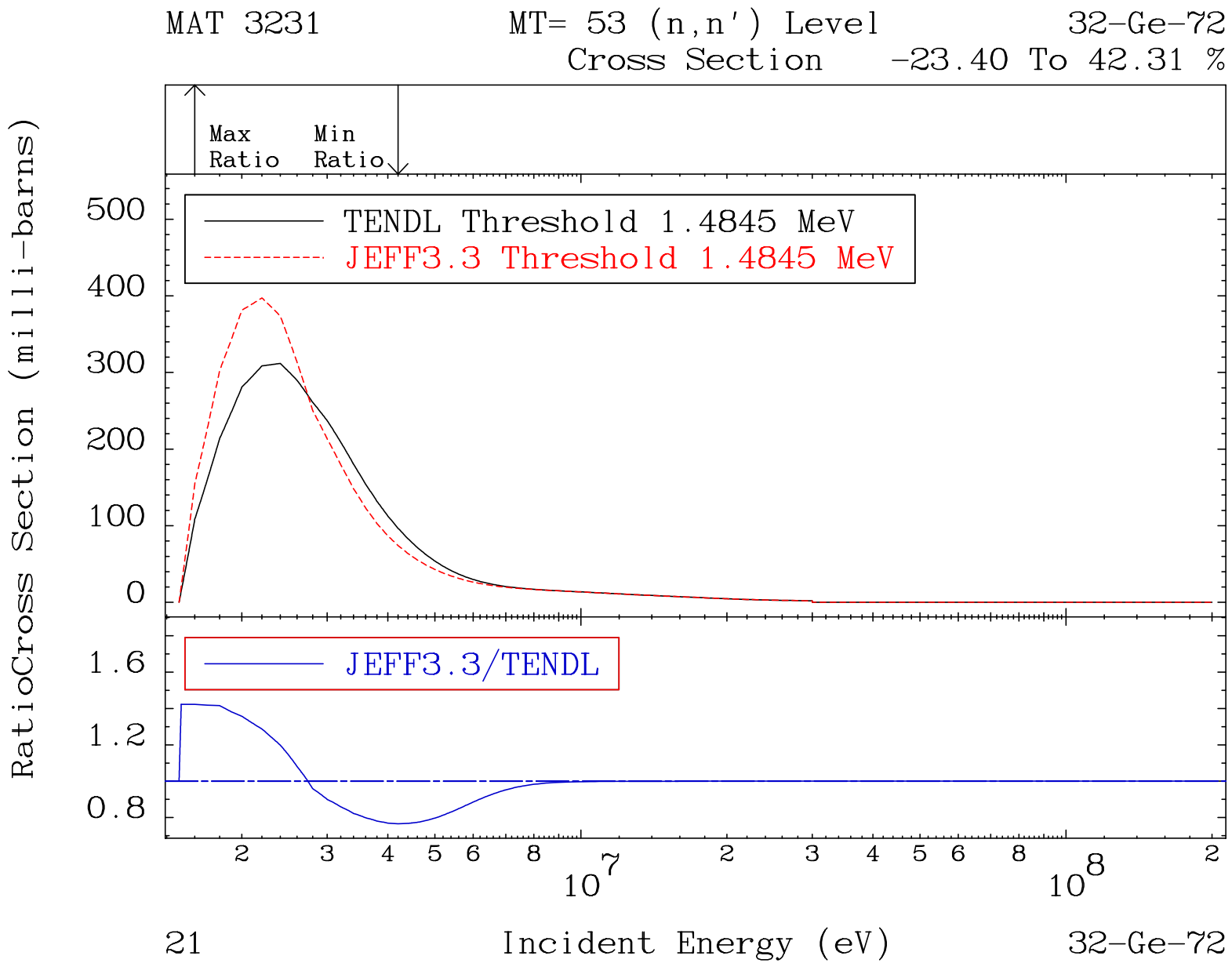

MAT 3231
(n,3n) p
32-Ge-72
Cross Section 0.000 To 9999. %
Max
Ratio
TENDL Threshold 27.064 MeV
JEFF3.3 Threshold 27.064 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
40
20
0
10^6
10^3
10^0
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
32-Ge-72

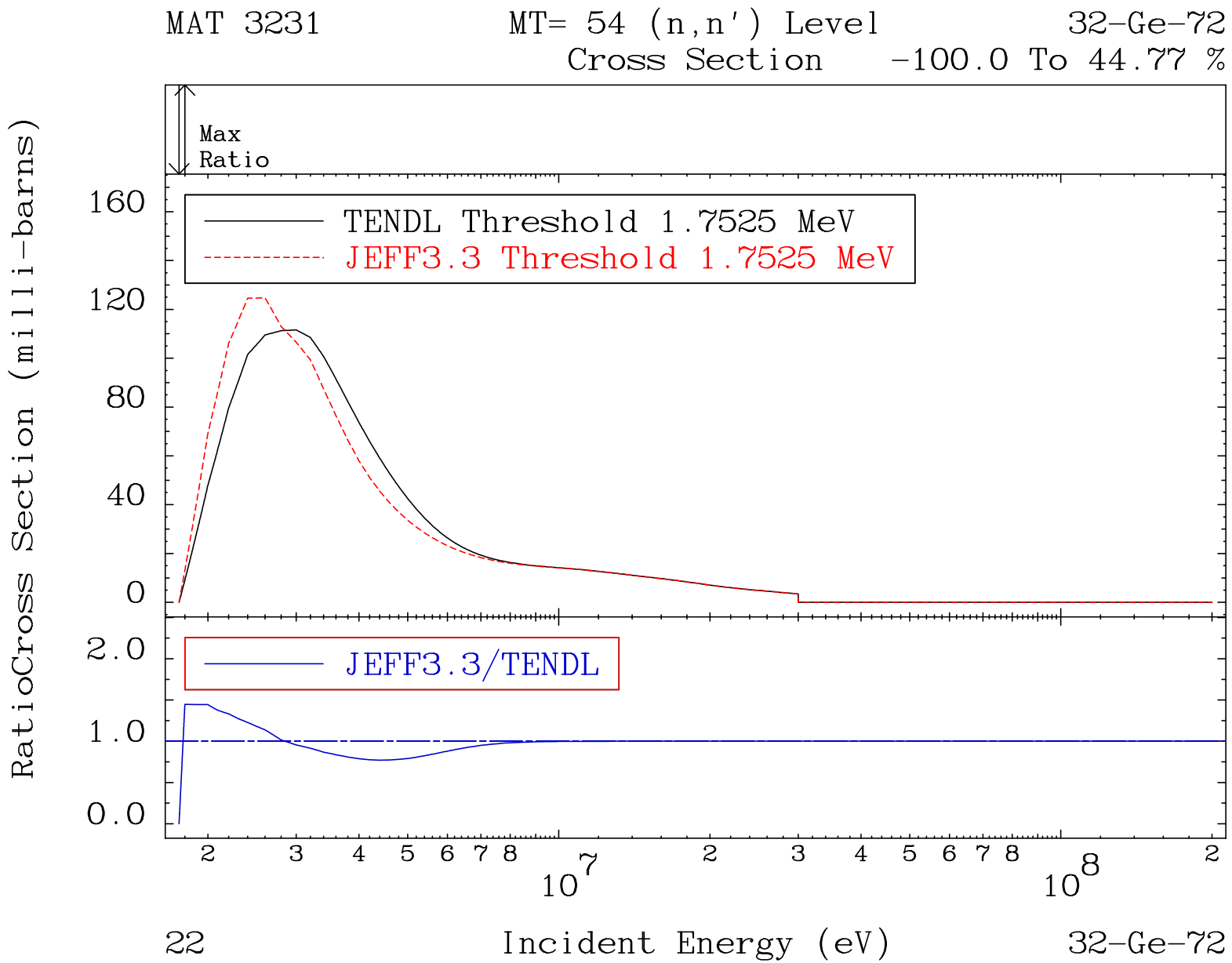

MAT 3231
(n,2n) p
Cross Section
32-Ge-72
-95.12 To 7835. %
Max
Ratio
TENDL Threshold 17.846 MeV
JEFF3.3 Threshold 17.846 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
32-Ge-72

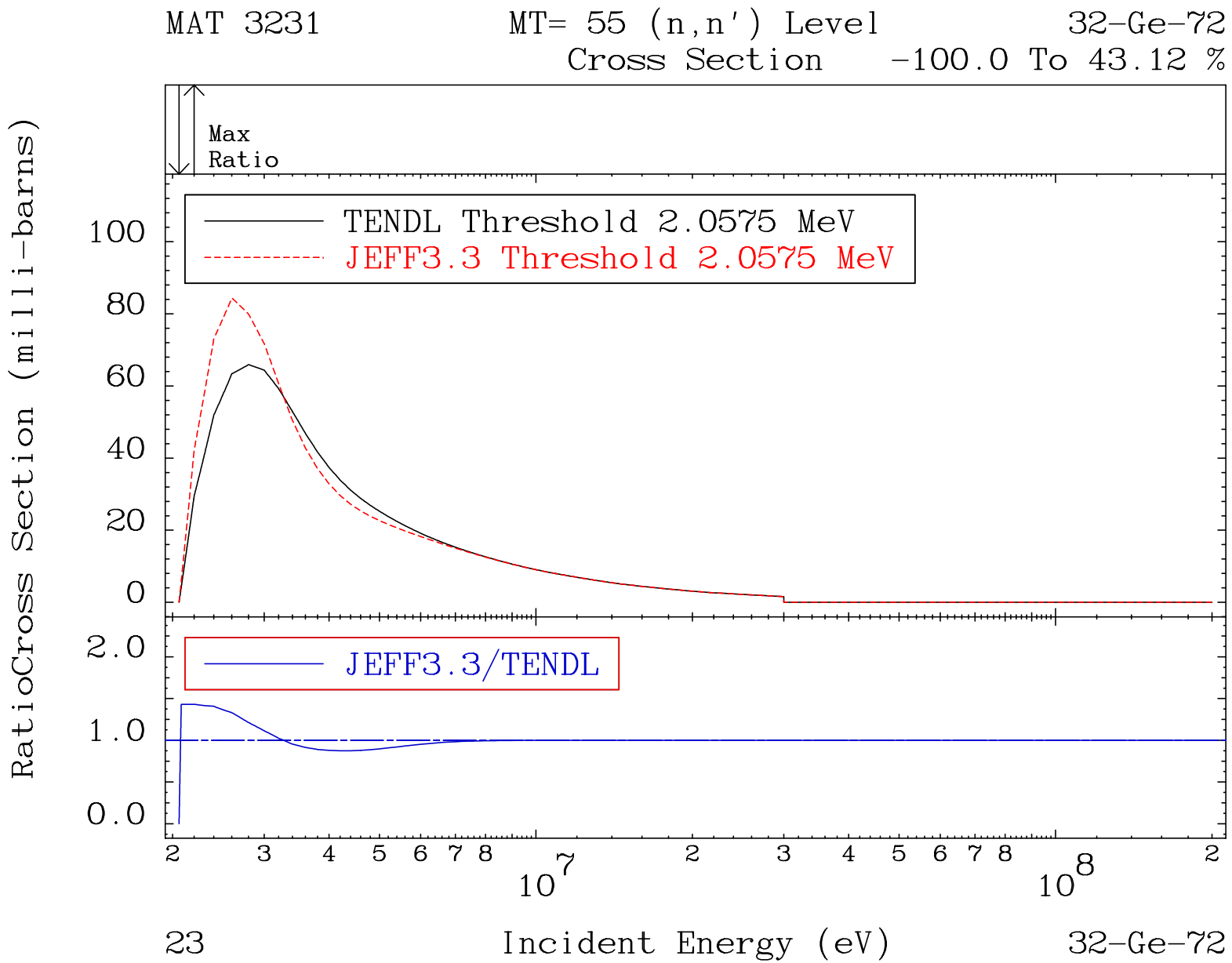

MAT 3231
(n,n') p α
32-Ge-72
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 15.190 MeV
JEFF3.3 Threshold 15.190 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
32-Ge-72

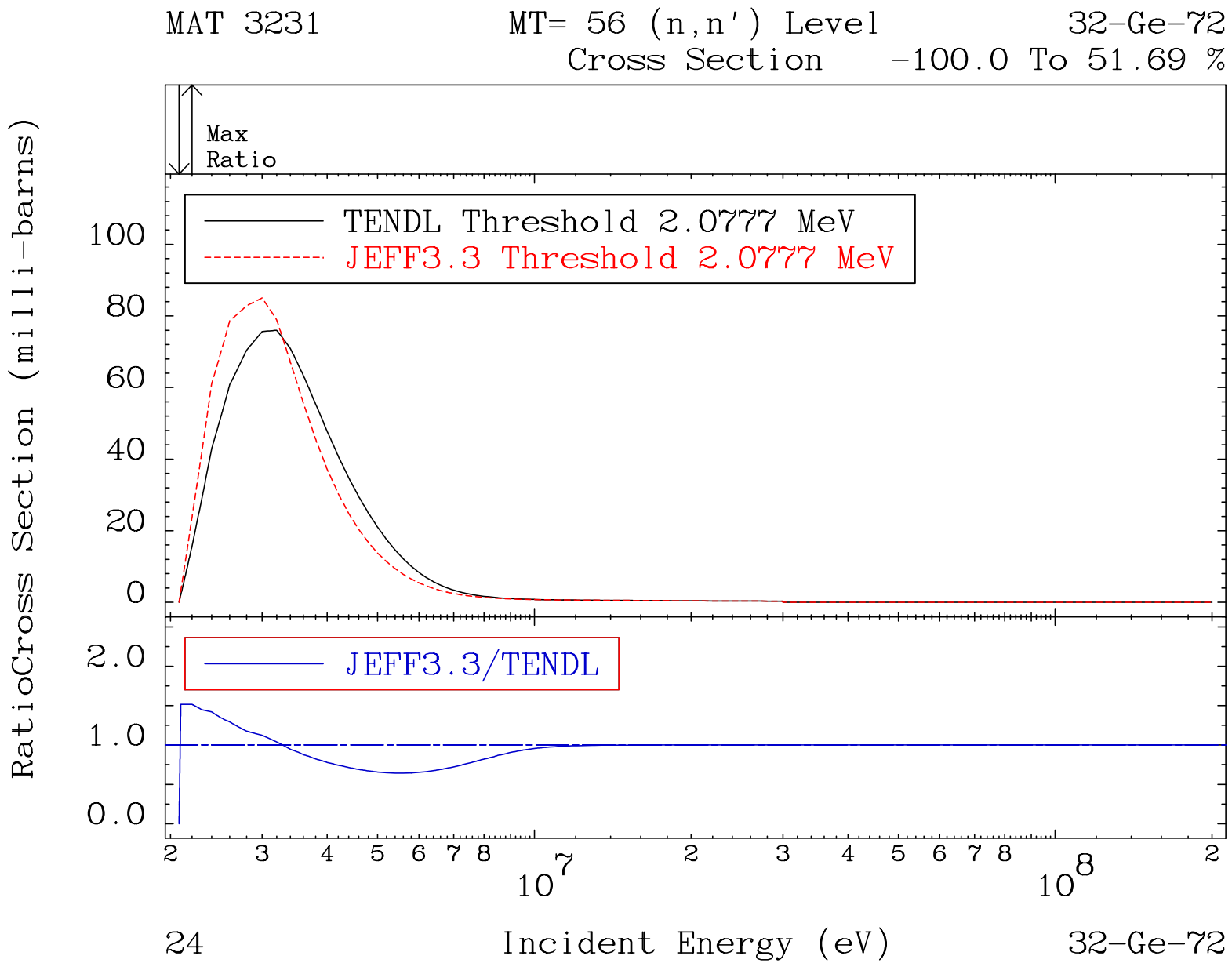

MAT 3231
MT= 51 (n,n') Level
32-Ge-72
Cross Section -42.64 To 92.46 %
Max Ratio
Min Ratio
TENDL Threshold 701.13 keV
JEFF3.3 Threshold 701.13 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
19
Incident Energy (eV)
32-Ge-72

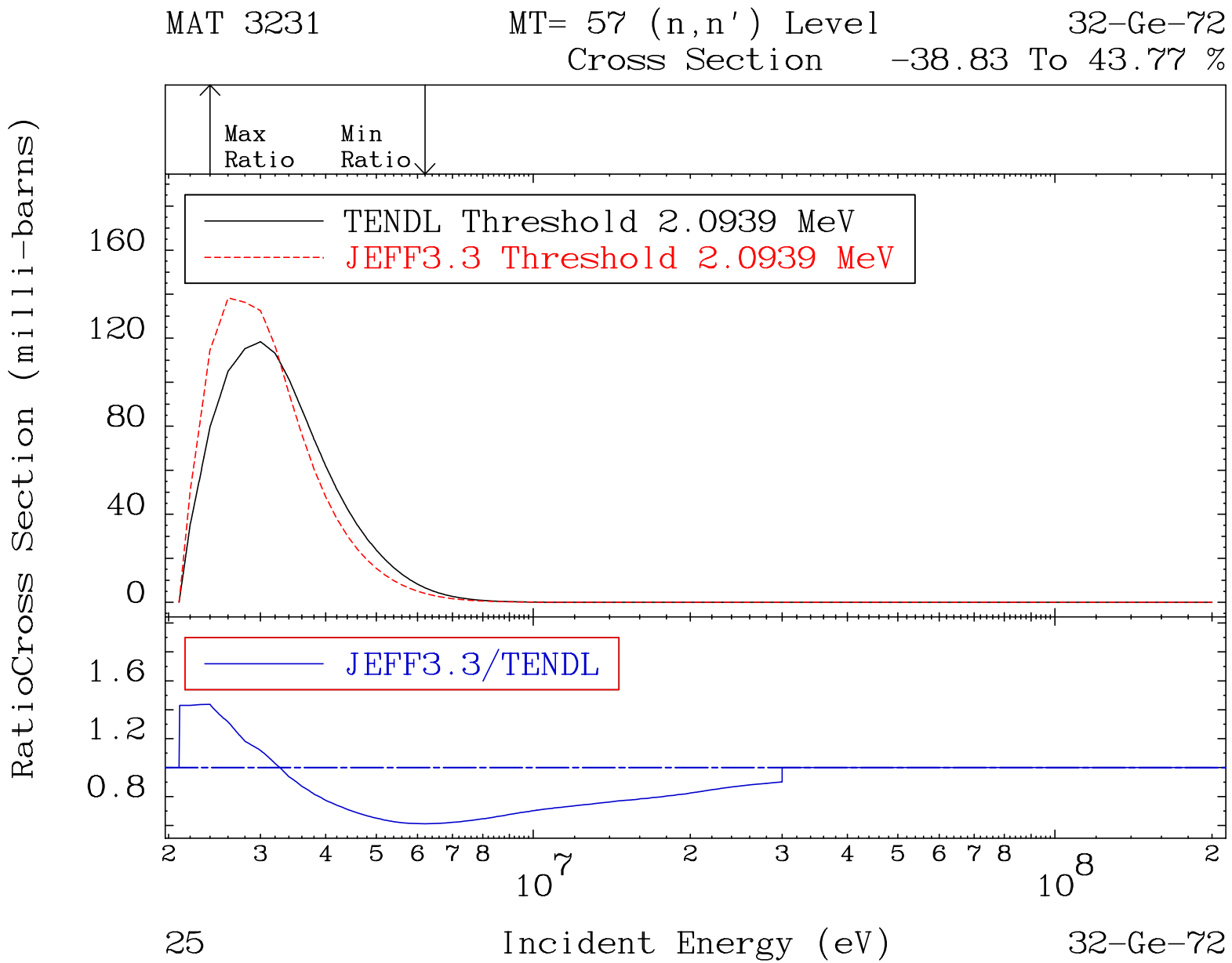

MAT 3231
MT= 52 (n,n') Level
32-Ge-72
Cross Section -100.0 To 51.94 %
Max
Ratio
TENDL Threshold 845.71 keV
JEFF3.3 Threshold 845.71 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
32-Ge-72

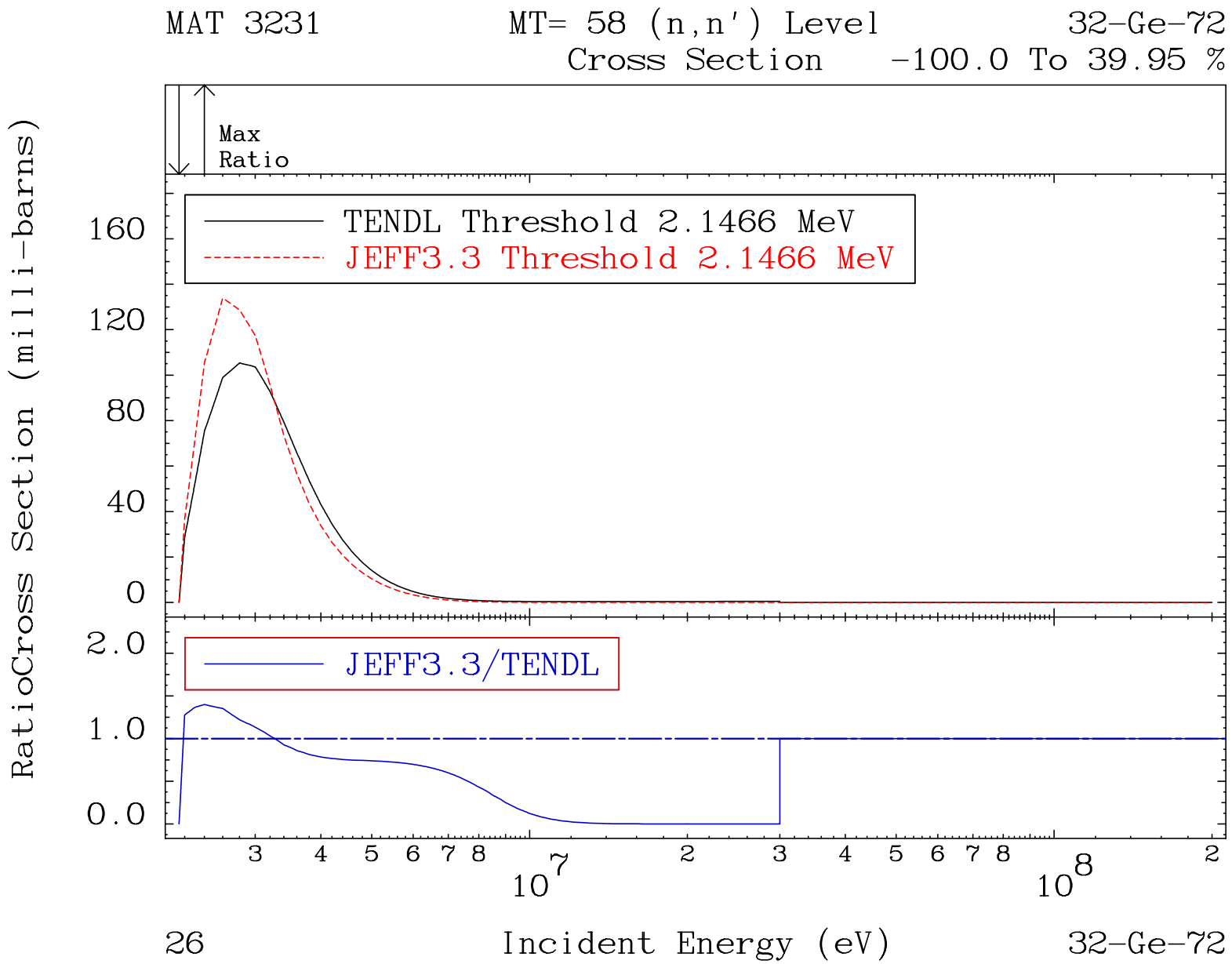

MAT 3231
MT= 53 (n,n') Level
32-Ge-72
Cross Section
-23.40 To 42.31 %
Max Ratio
Min Ratio
TENDL Threshold 1.4845 MeV
JEFF3.3 Threshold 1.4845 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.6
1.2
0.8
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
21
Incident Energy (eV)
32-Ge-72

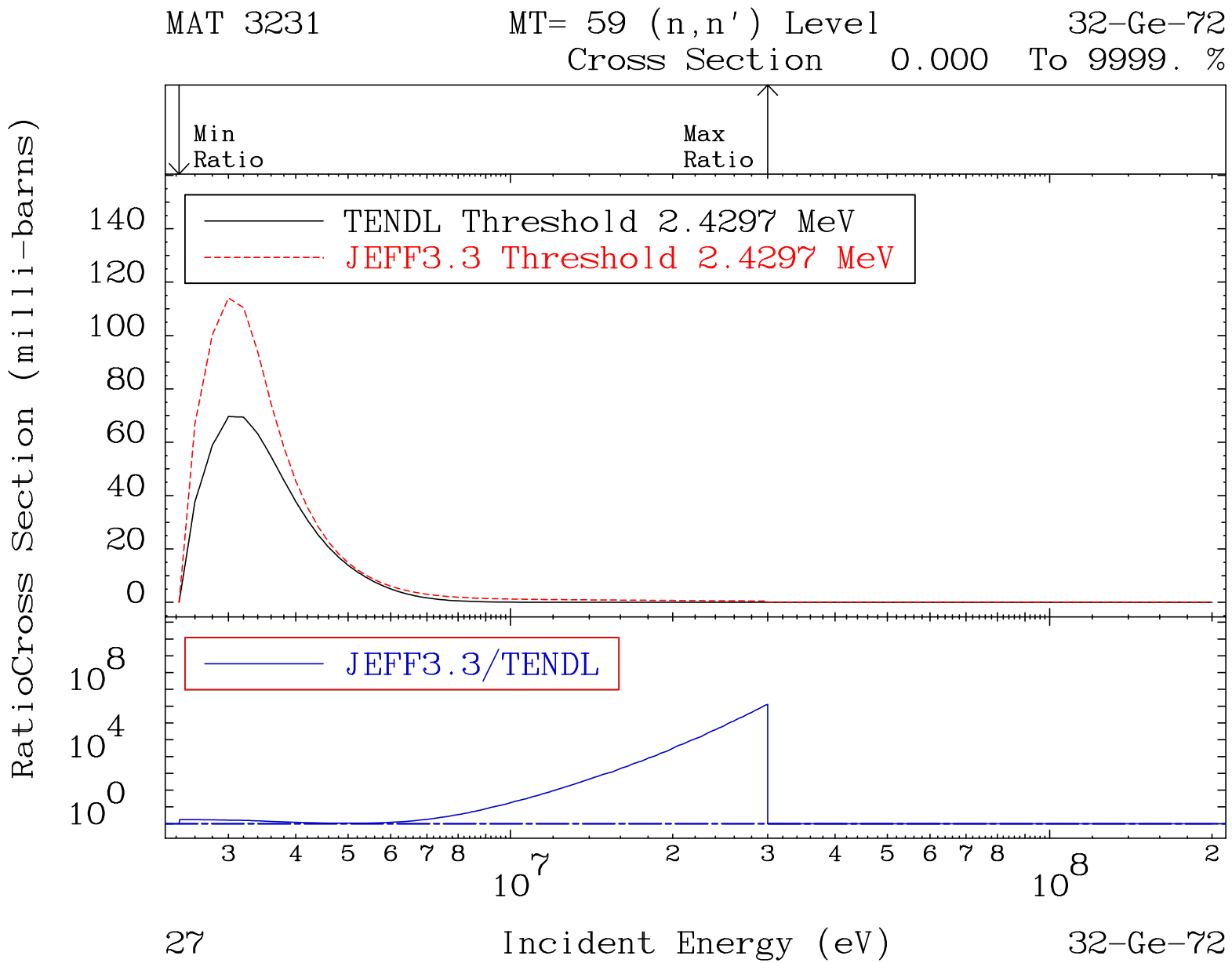

MAT 3231
MT= 54 (n,n') Level
32-Ge-72
Cross Section -100.0 To 44.77 %
Max
Ratio
TENDL Threshold 1.7525 MeV
JEFF3.3 Threshold 1.7525 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
32-Ge-72

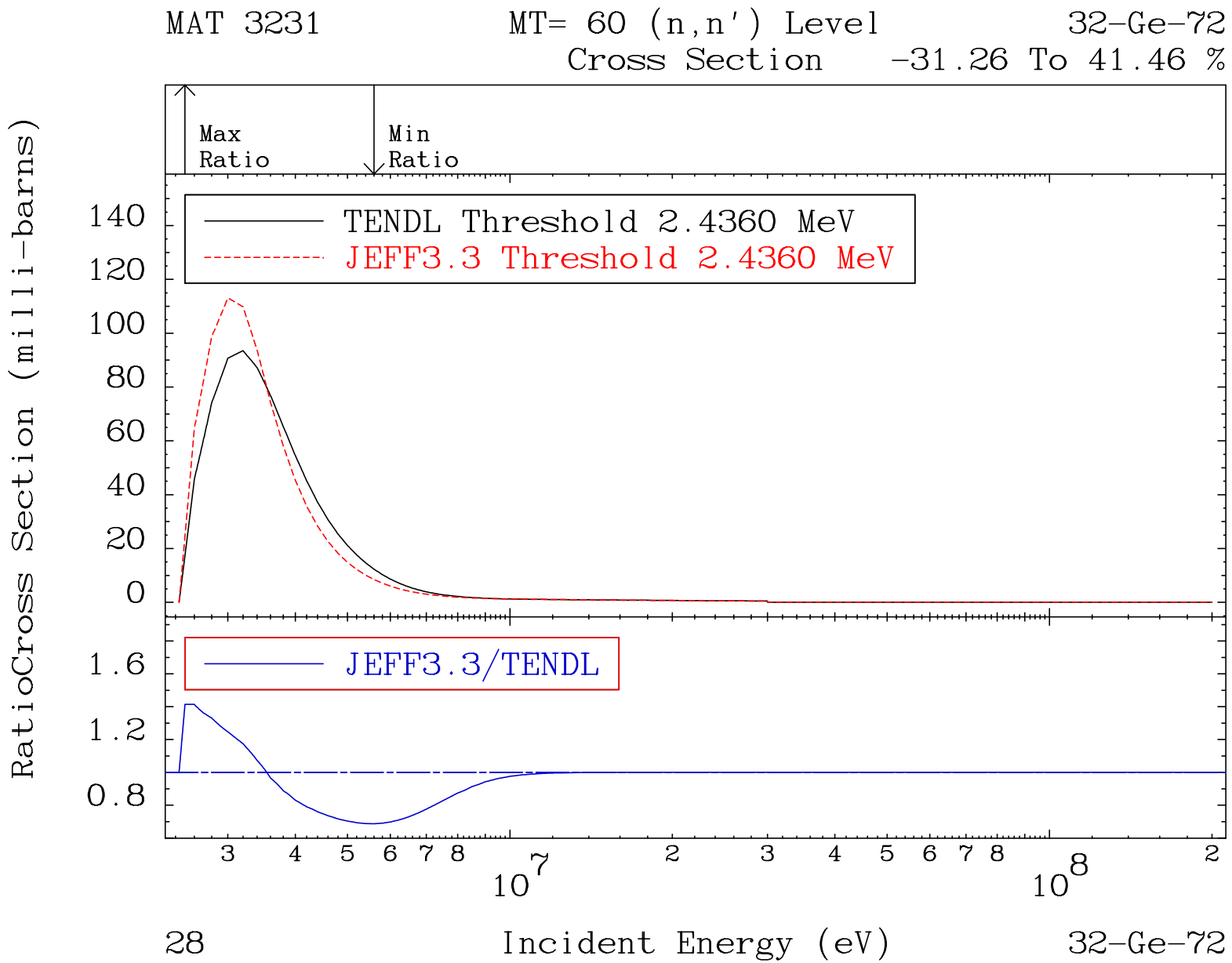

MAT 3231
MT= 55 (n,n') Level
32-Ge-72
Cross Section -100.0 To 43.12 %
Max
Ratio
TENDL Threshold 2.0575 MeV
JEFF3.3 Threshold 2.0575 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
32-Ge-72

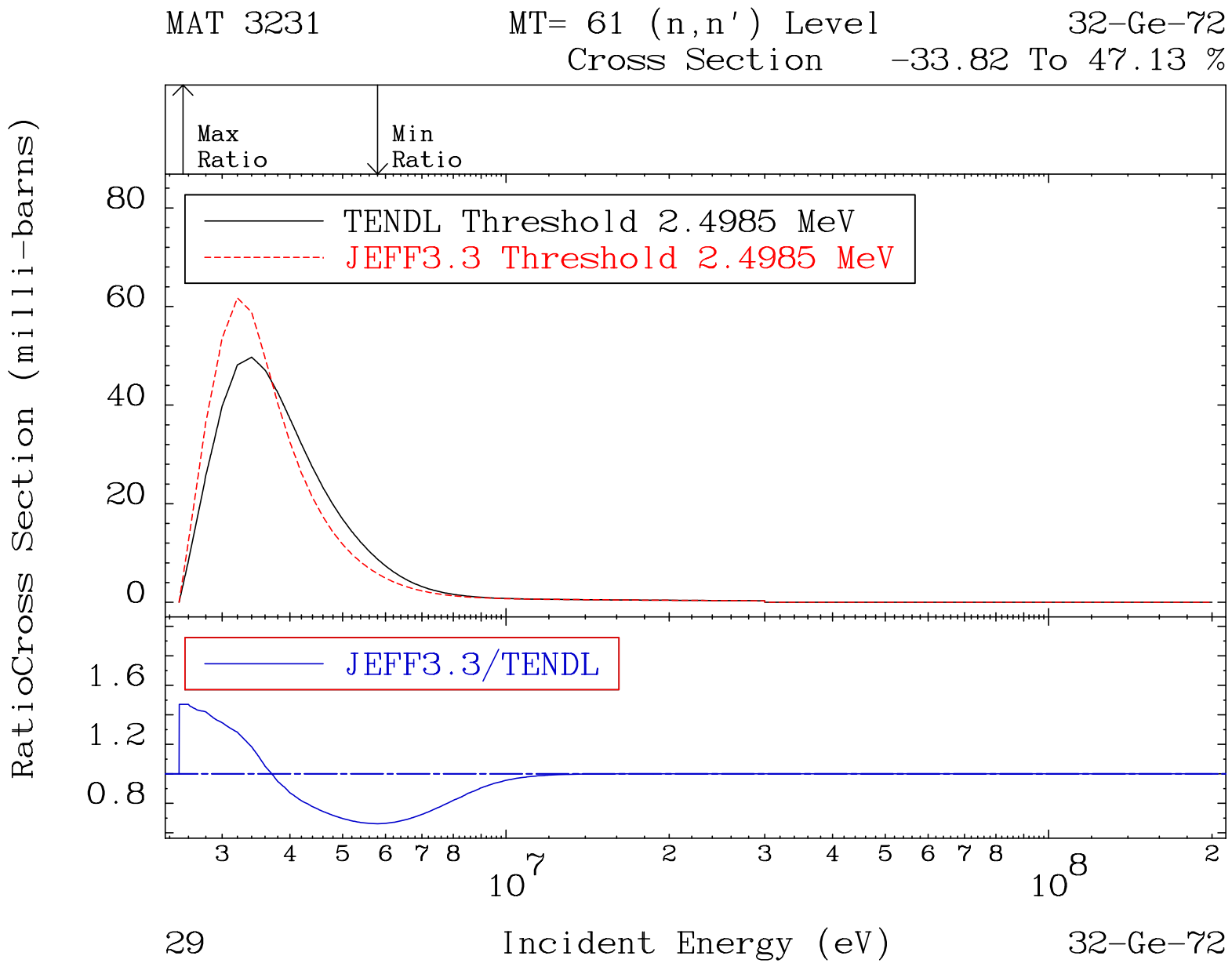

MAT 3231
MT= 56 (n,n') Level
32-Ge-72
Cross Section -100.0 To 51.69 %
Max
Ratio
TENDL Threshold 2.0777 MeV
JEFF3.3 Threshold 2.0777 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
32-Ge-72

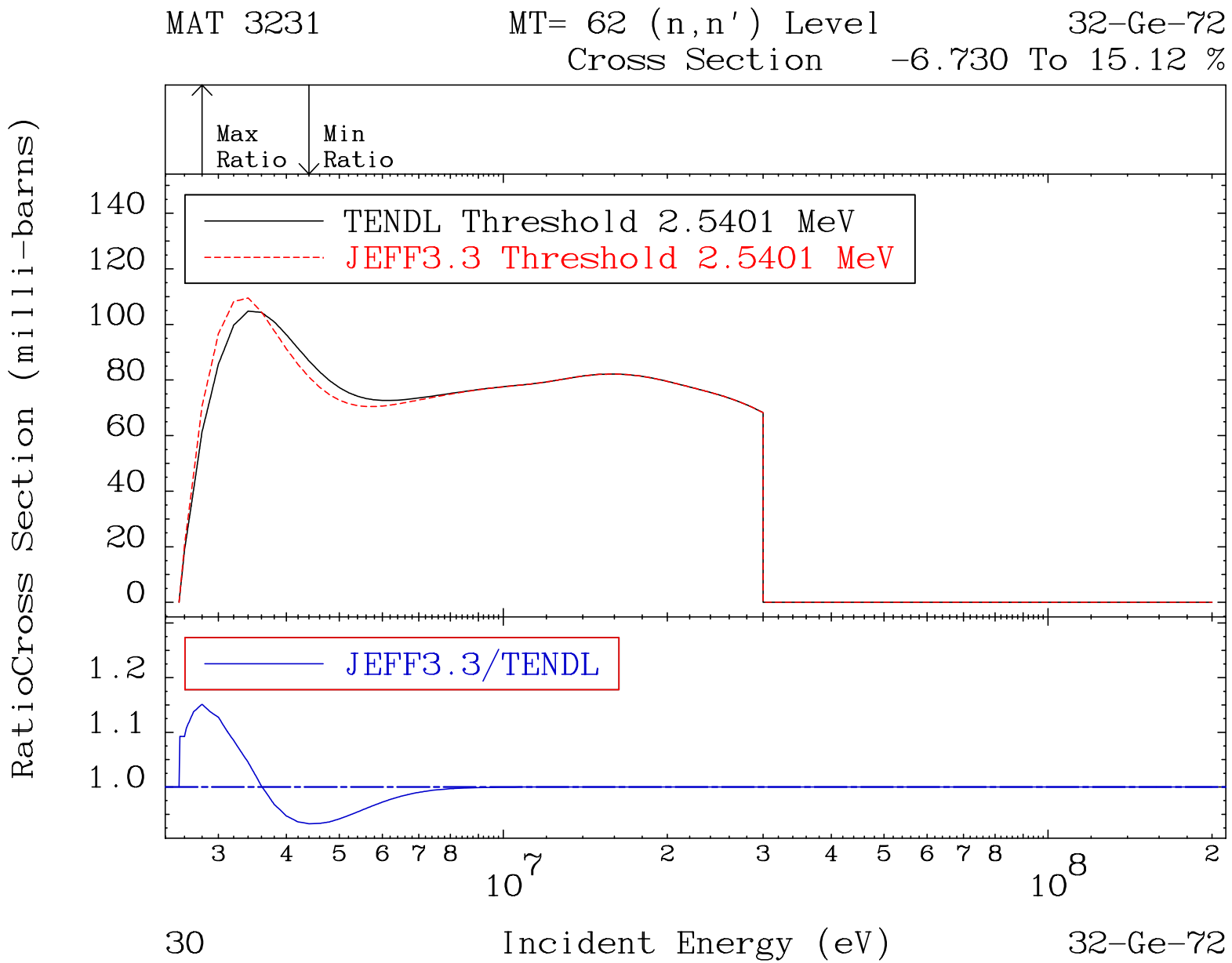

MAT 3231
MT= 57 (n,n') Level
32-Ge-72
Cross Section
-38.83 To 43.77 %
Max Ratio
Min Ratio
TENDL Threshold 2.0939 MeV
JEFF3.3 Threshold 2.0939 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.6
1.2
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
32-Ge-72

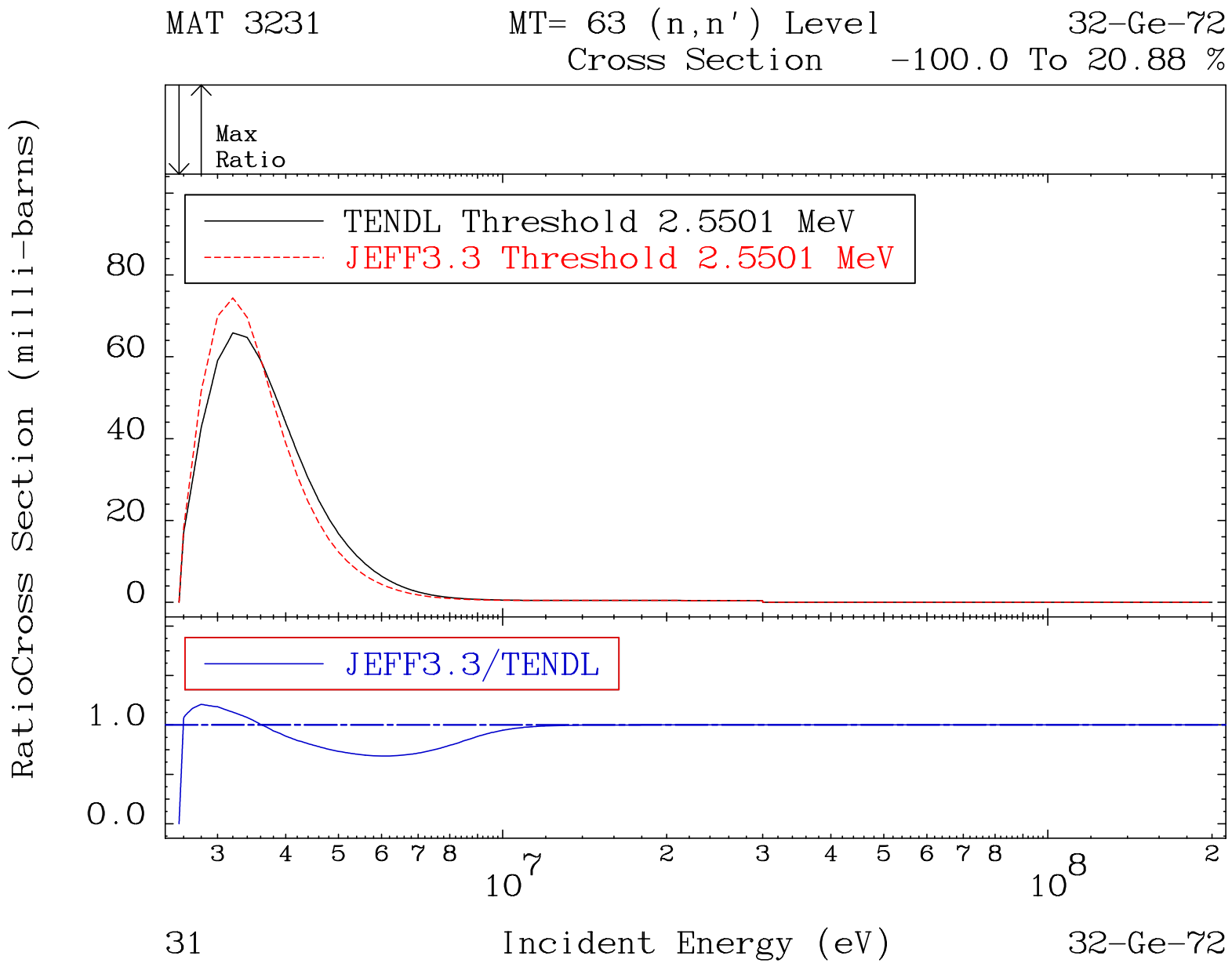

MAT 3231
MT= 58 (n,n') Level
32-Ge-72
Cross Section -100.0 To 39.95 %
Max
Ratio
TENDL Threshold 2.1466 MeV
JEFF3.3 Threshold 2.1466 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
32-Ge-72

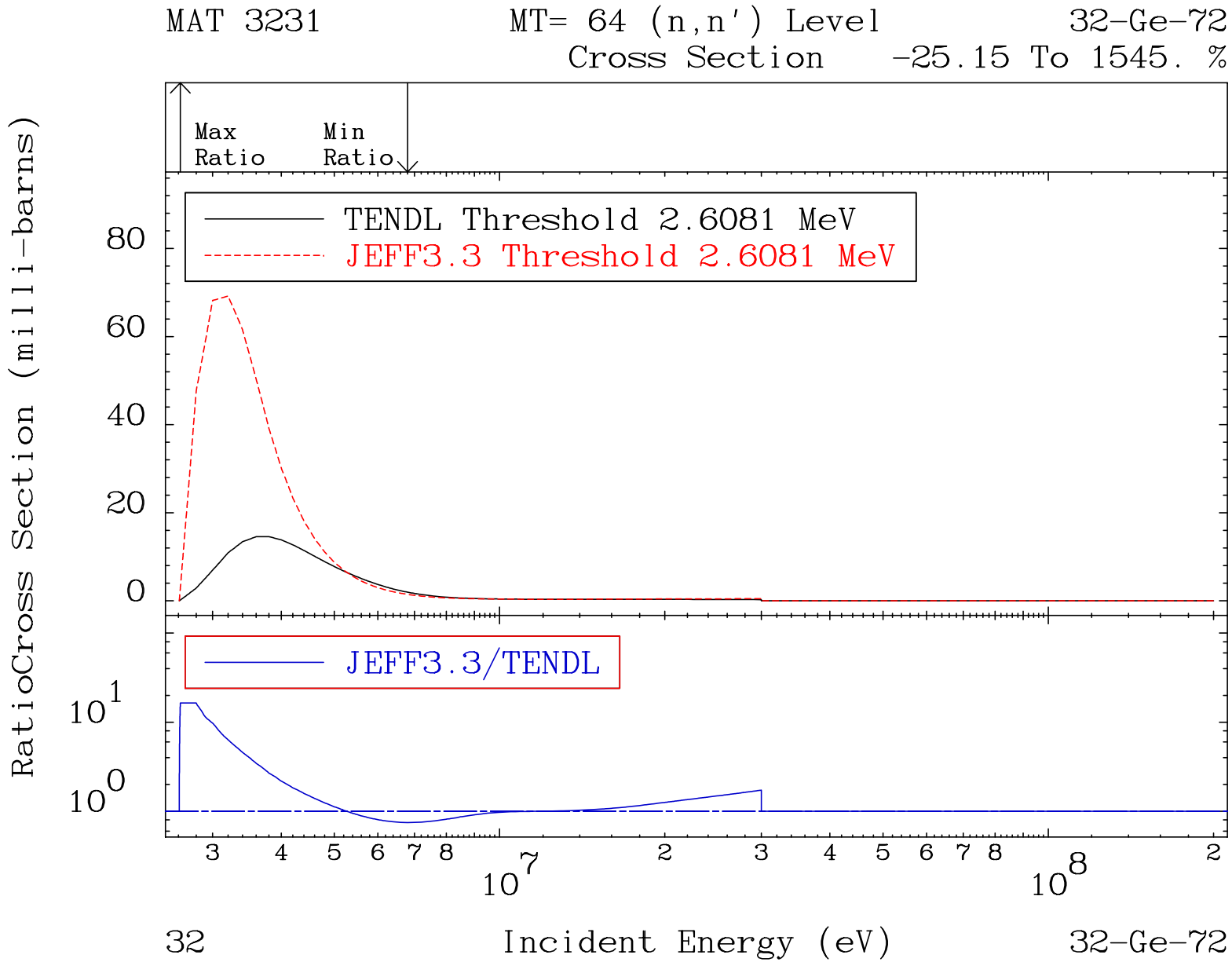

MAT 3231
MT= 59 (n,n') Level
32-Ge-72
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.4297 MeV
JEFF3.3 Threshold 2.4297 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
10^8
10^4
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
32-Ge-72

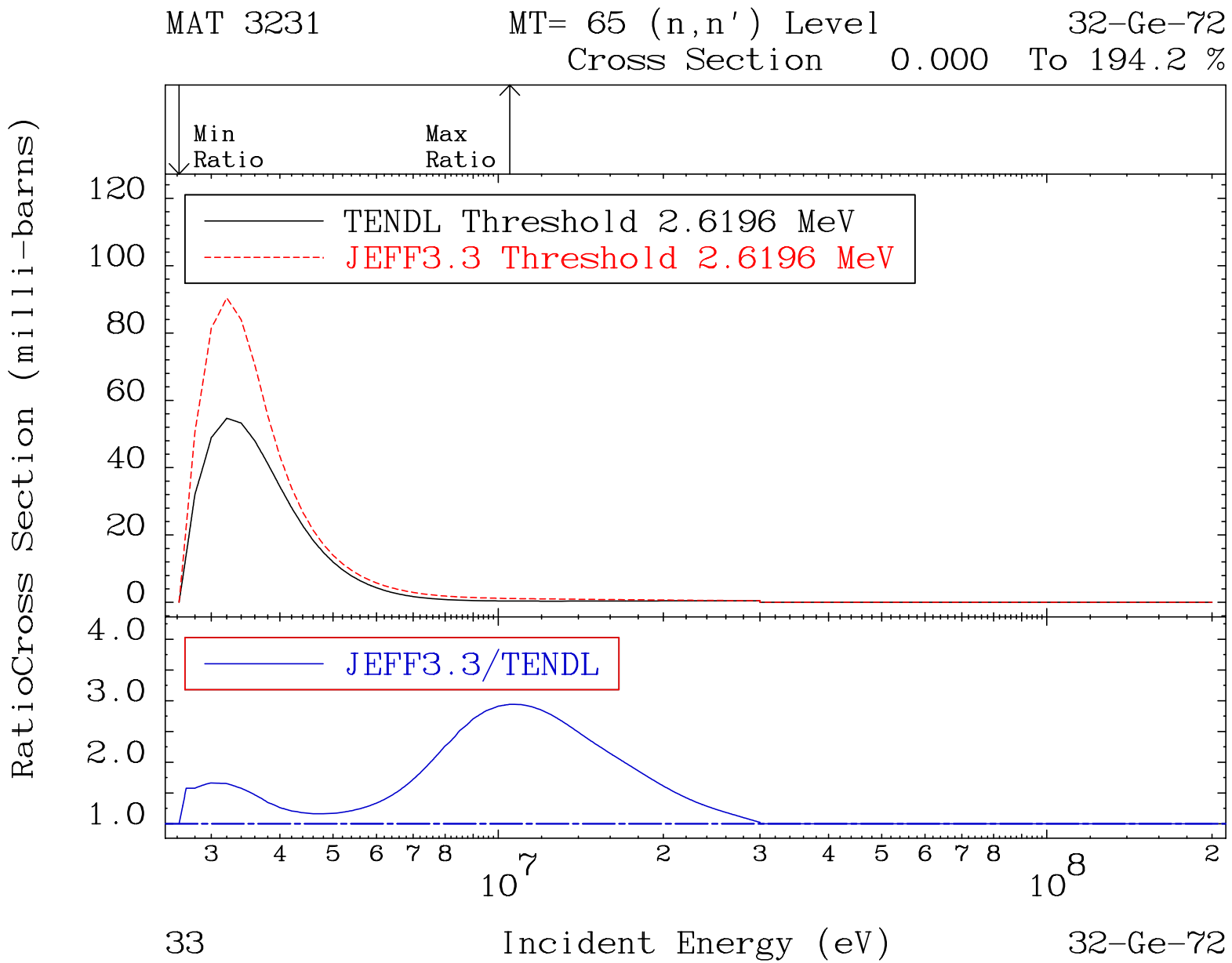

MAT 3231
MT= 60 (n,n') Level
32-Ge-72
Cross Section
-31.26 To 41.46 %
Max Ratio
Min Ratio
TENDL Threshold 2.4360 MeV
JEFF3.3 Threshold 2.4360 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
32-Ge-72

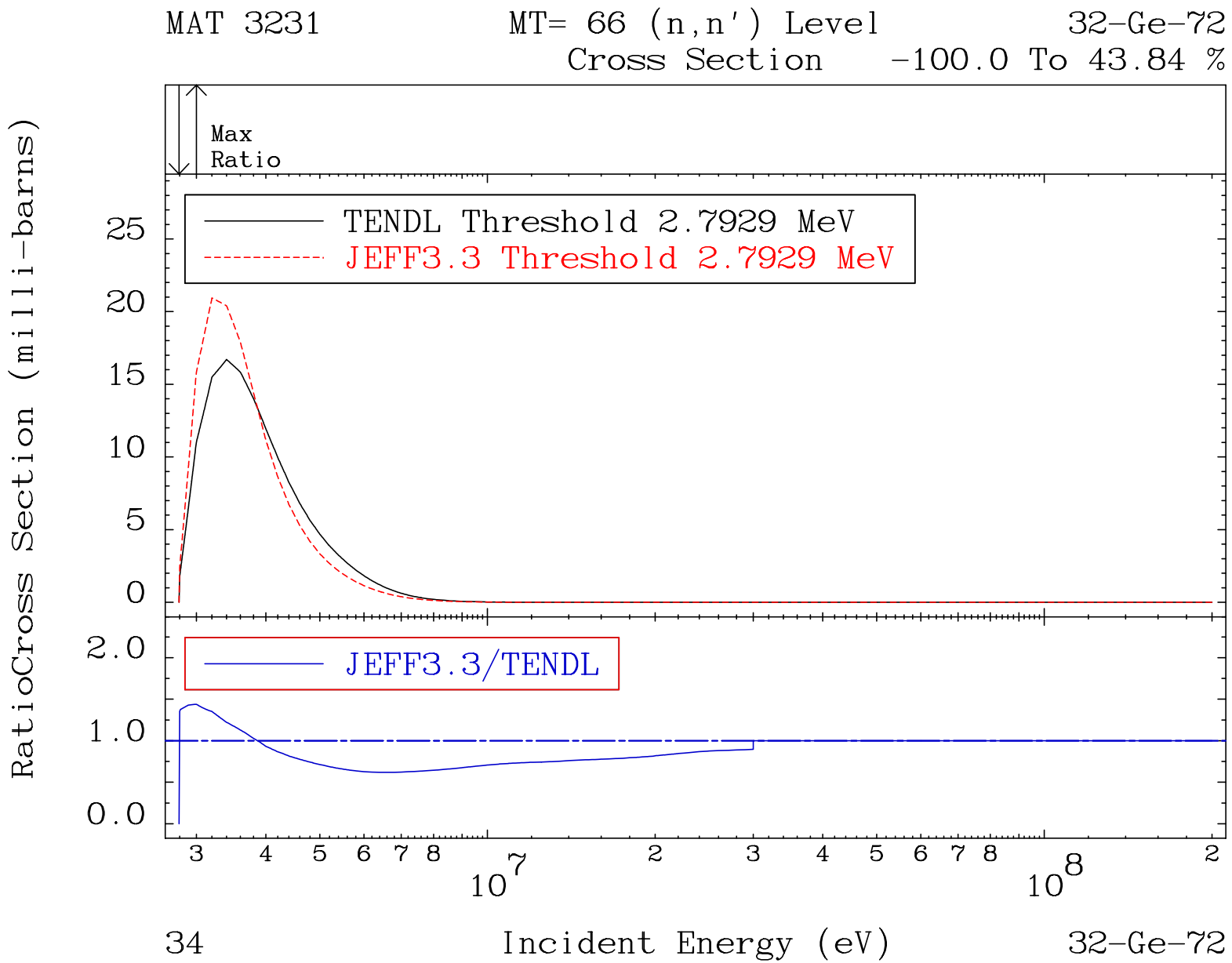

MAT 3231
MT= 61 (n,n') Level
32-Ge-72
Cross Section -33.82 To 47.13 %
Max Ratio
Min Ratio
TENDL Threshold 2.4985 MeV
JEFF3.3 Threshold 2.4985 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
32-Ge-72

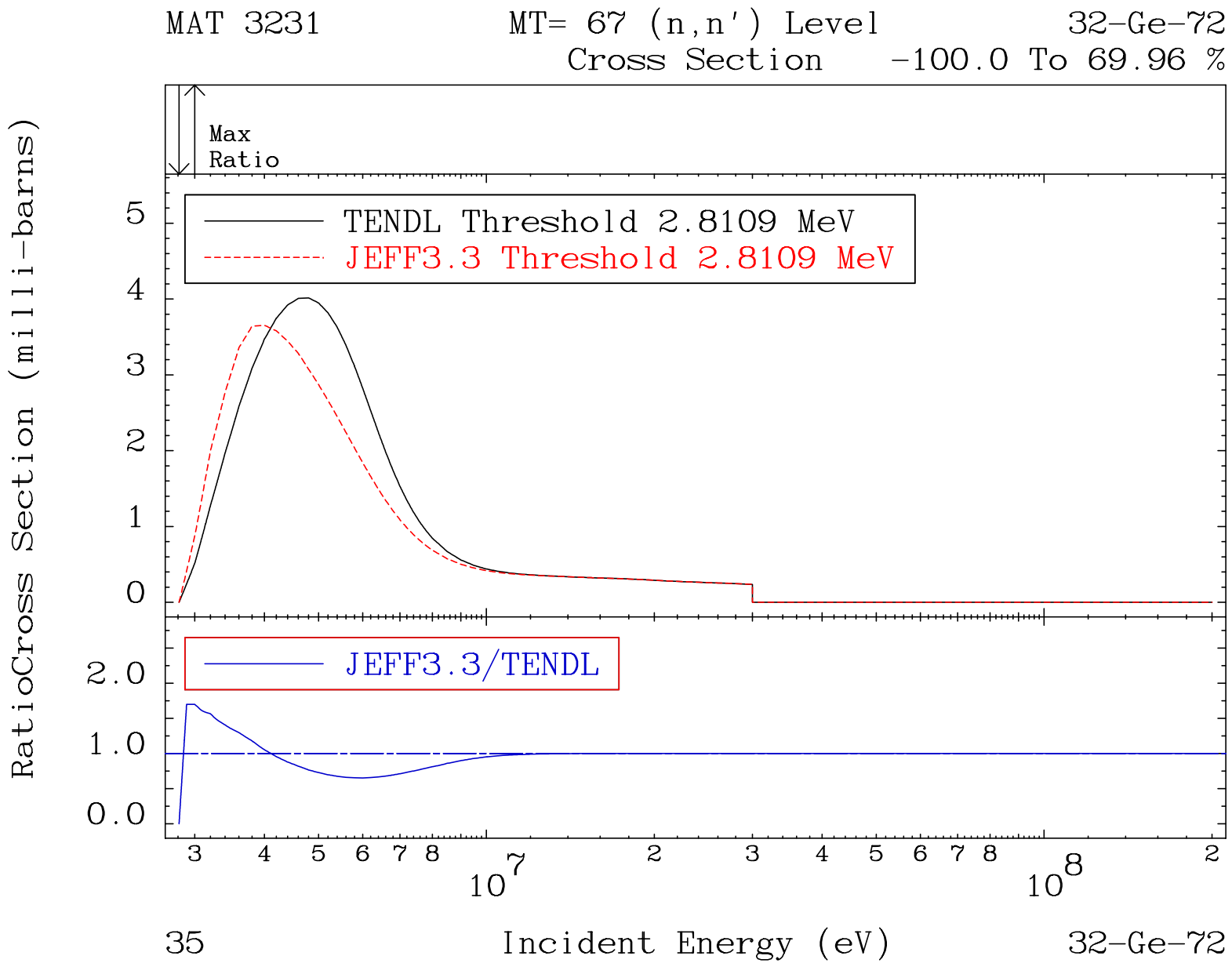

MAT 3231
MT= 62 (n,n') Level
32-Ge-72
Cross Section -6.730 To 15.12 %
Max Ratio
Min Ratio
TENDL Threshold 2.5401 MeV
JEFF3.3 Threshold 2.5401 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.2
1.1
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
32-Ge-72

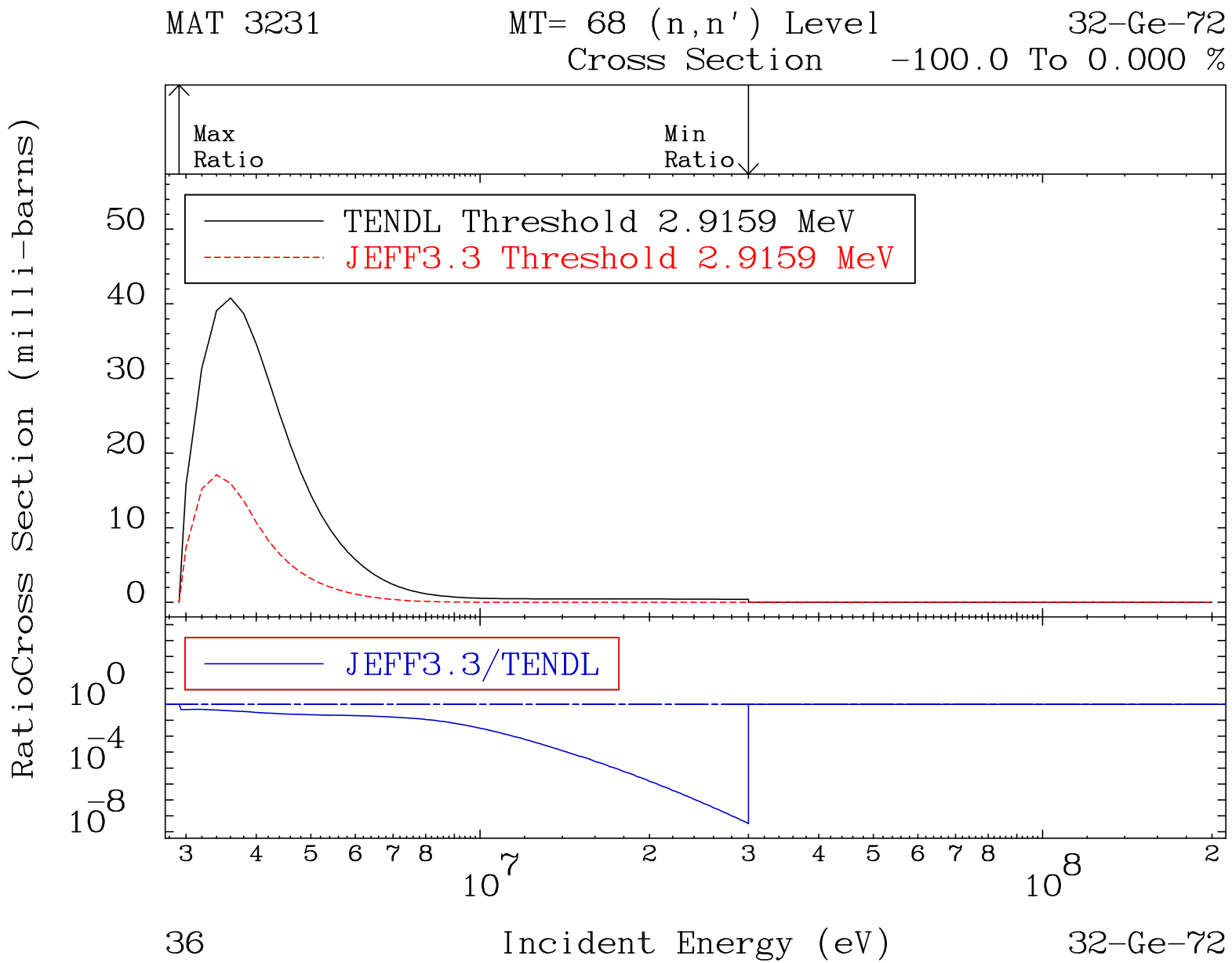

MAT 3231
MT= 63 (n,n') Level
32-Ge-72
Cross Section -100.0 To 20.88 %
Max
Ratio
TENDL Threshold 2.5501 MeV
JEFF3.3 Threshold 2.5501 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
32-Ge-72

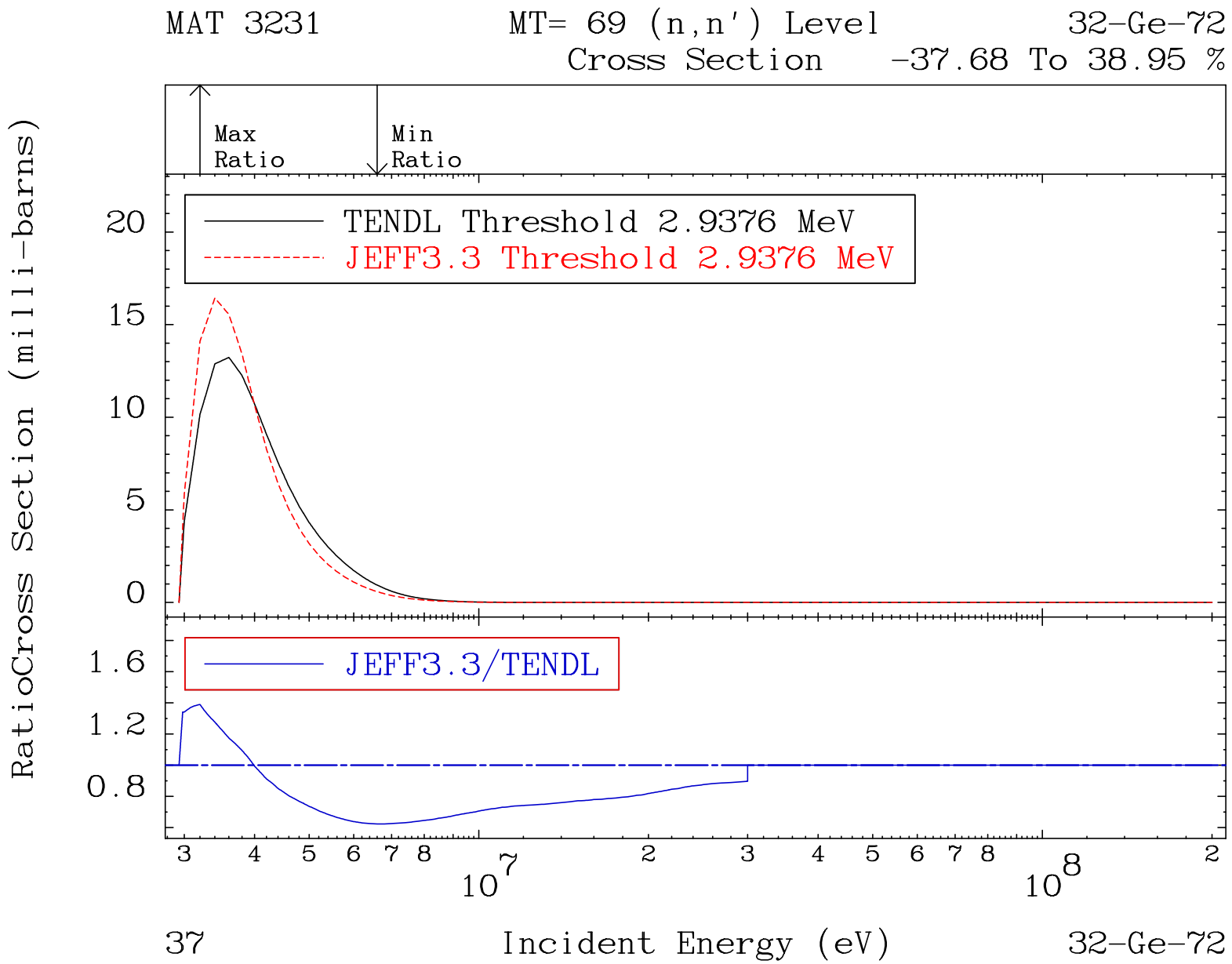

MAT 3231
MT= 64 (n,n') Level
32-Ge-72
Cross Section -25.15 To 1545. %
Max Ratio
Min Ratio
TENDL Threshold 2.6081 MeV
JEFF3.3 Threshold 2.6081 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^1
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
32-Ge-72

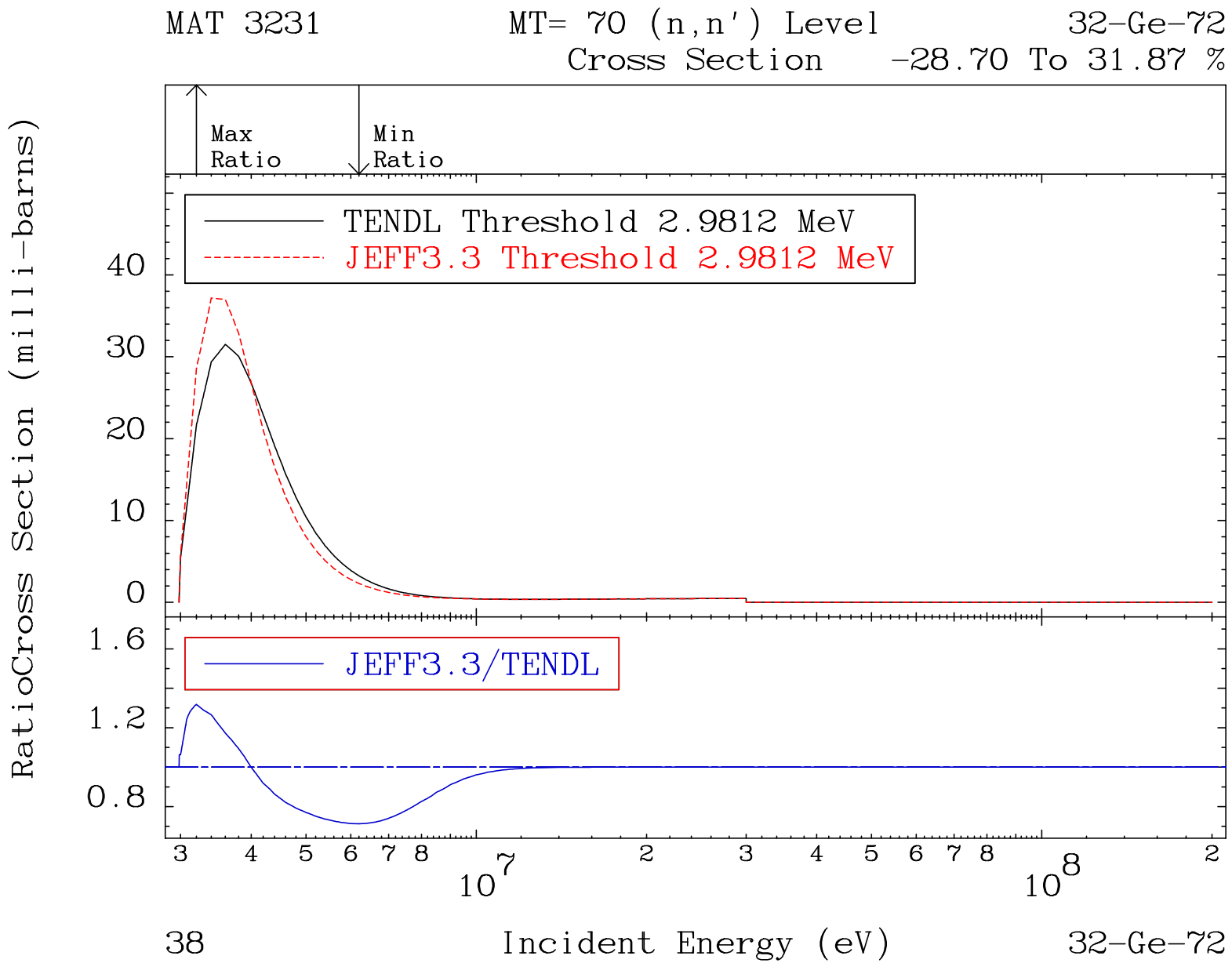

MAT 3231
MT= 65 (n,n') Level
32-Ge-72
Cross Section 0.000 To 194.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.6196 MeV
JEFF3.3 Threshold 2.6196 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4.0
3.0
2.0
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
32-Ge-72

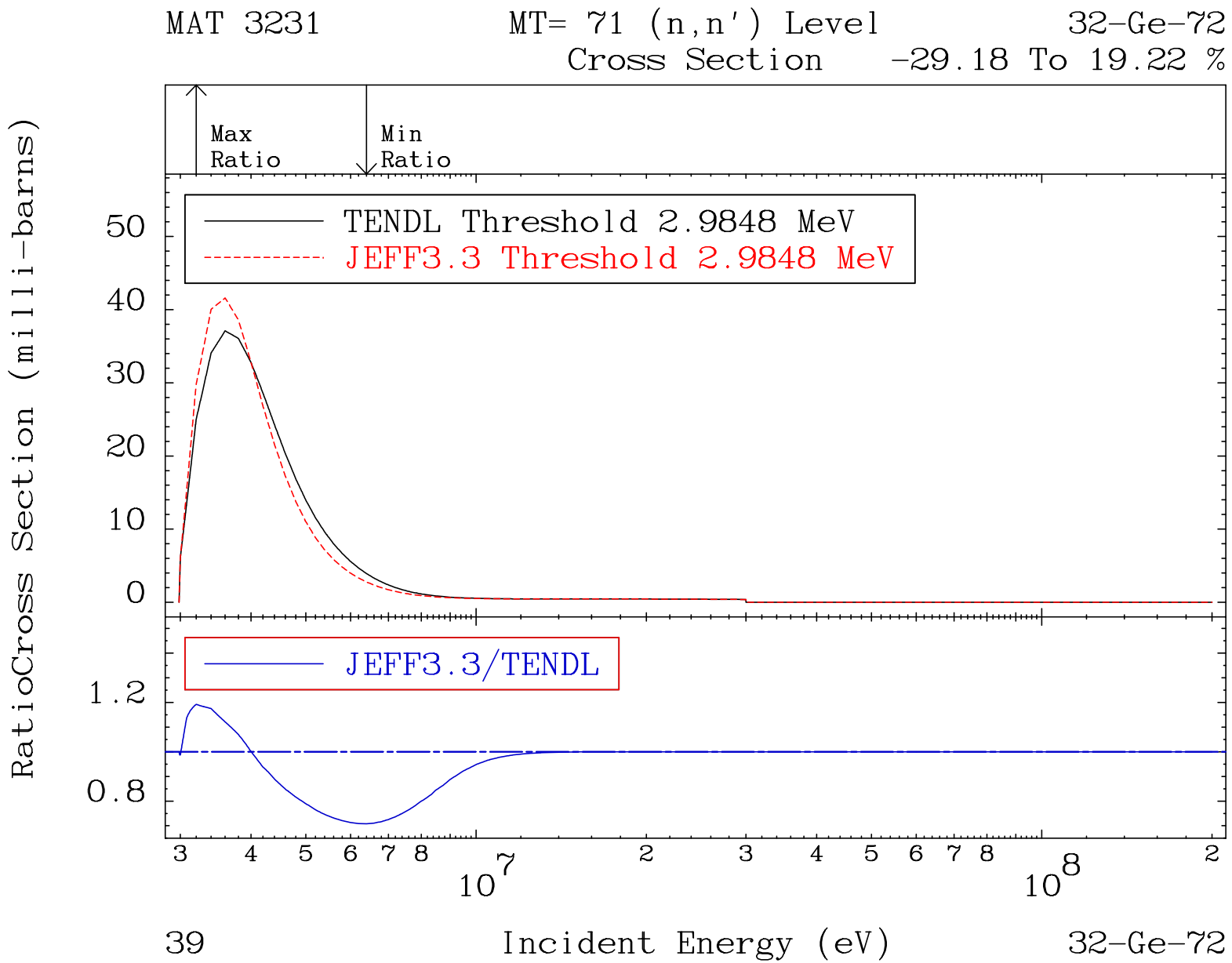

MAT 3231
MT= 66 (n,n') Level
32-Ge-72
Cross Section -100.0 To 43.84 %
Max
Ratio
TENDL Threshold 2.7929 MeV
JEFF3.3 Threshold 2.7929 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
32-Ge-72

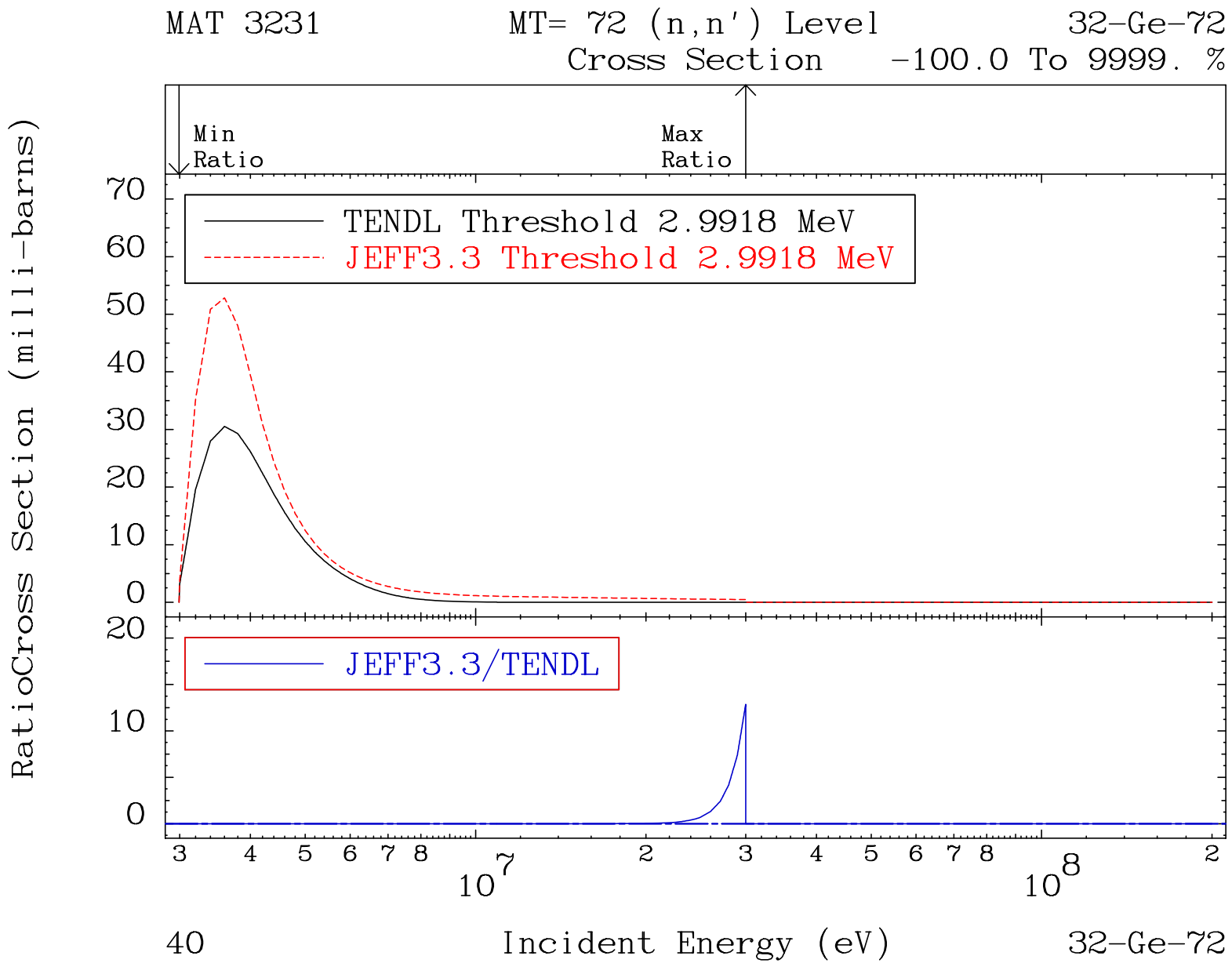

MAT 3231
MT= 67 (n,n') Level
32-Ge-72
Cross Section
-100.0 To 69.96 %
Max
Ratio
TENDL Threshold 2.8109 MeV
JEFF3.3 Threshold 2.8109 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
32-Ge-72

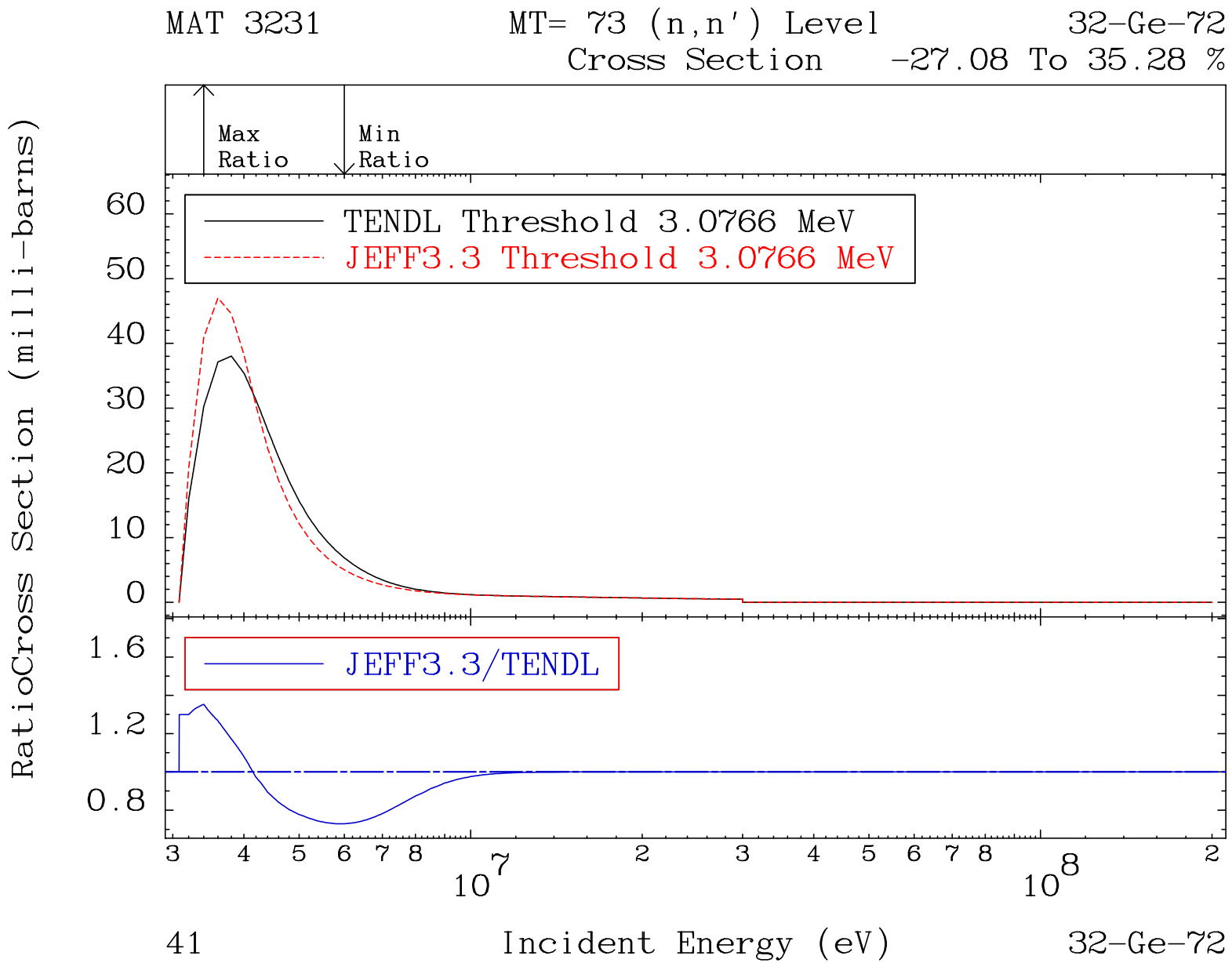

MAT 3231
MT= 68 (n,n') Level
32-Ge-72
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.9159 MeV
JEFF3.3 Threshold 2.9159 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^{0}
10^{-4}
10^{-8}
3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
36
Incident Energy (eV)
32-Ge-72

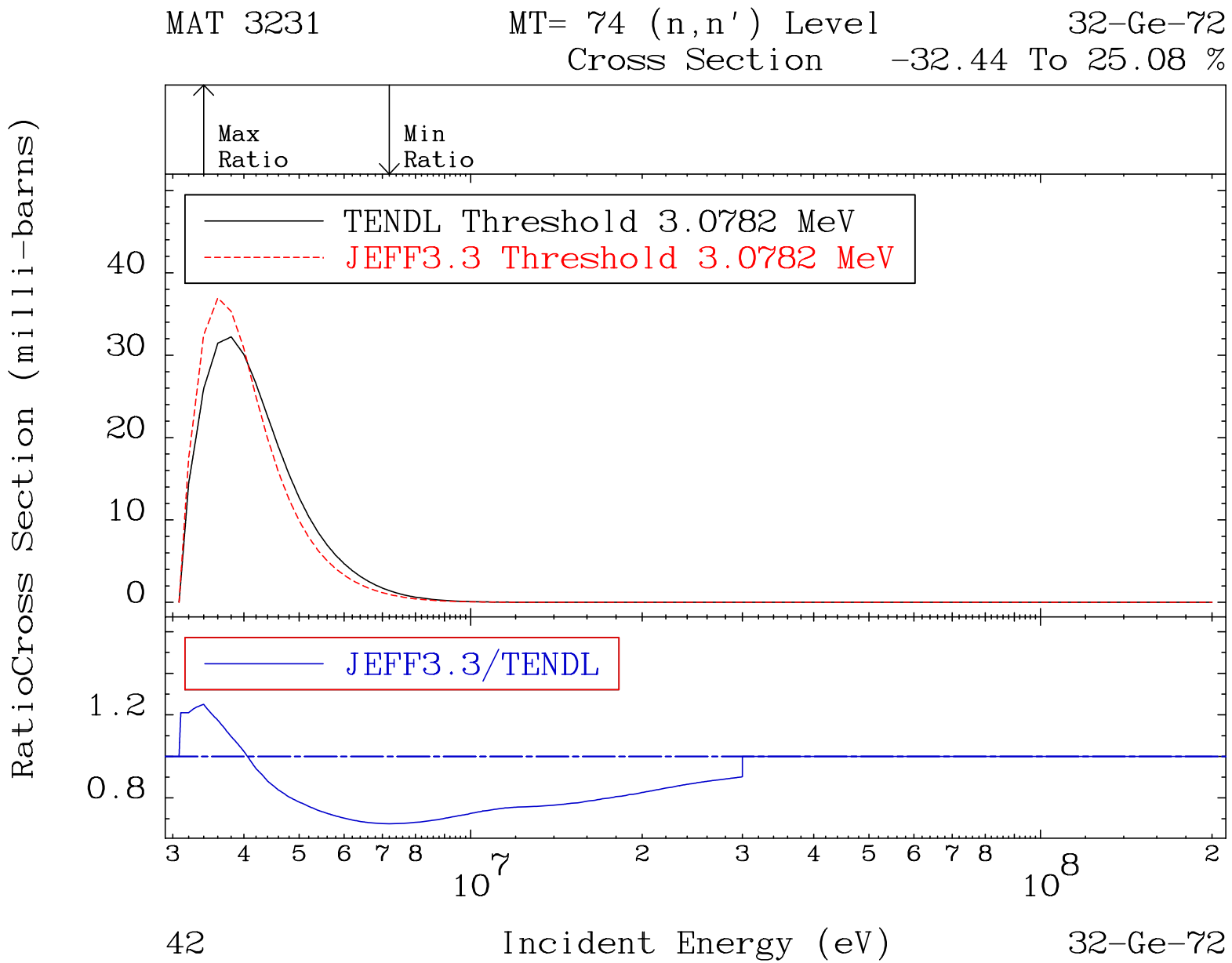

MAT 3231
MT= 69 (n,n') Level
32-Ge-72
Cross Section
-37.68 To 38.95 %
Max Ratio
Min Ratio
TENDL Threshold 2.9376 MeV
JEFF3.3 Threshold 2.9376 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
32-Ge-72

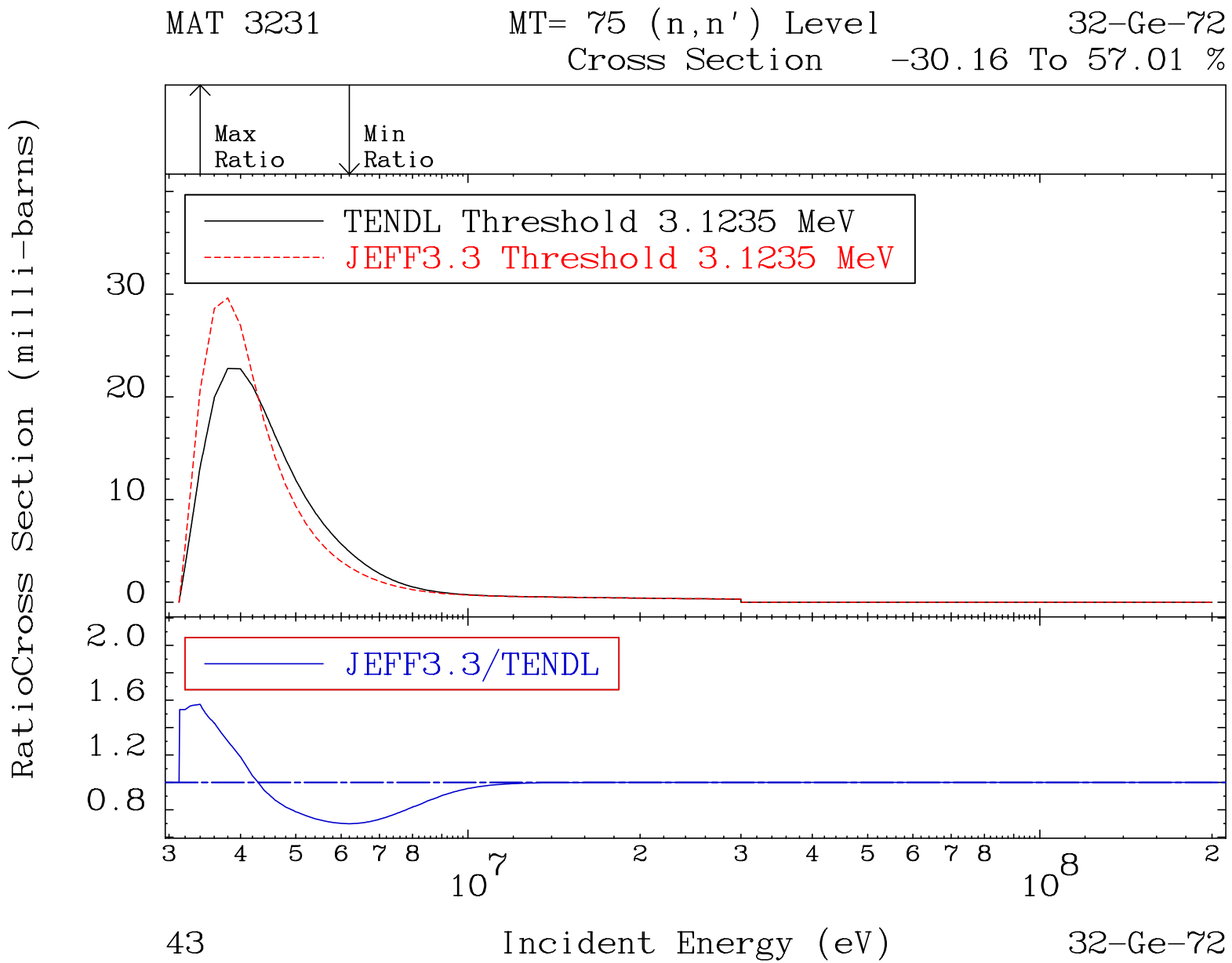

MAT 3231
MT= 70 (n,n') Level
32-Ge-72
Cross Section -28.70 To 31.87 %
Max Ratio
Min Ratio
TENDL Threshold 2.9812 MeV
JEFF3.3 Threshold 2.9812 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
32-Ge-72

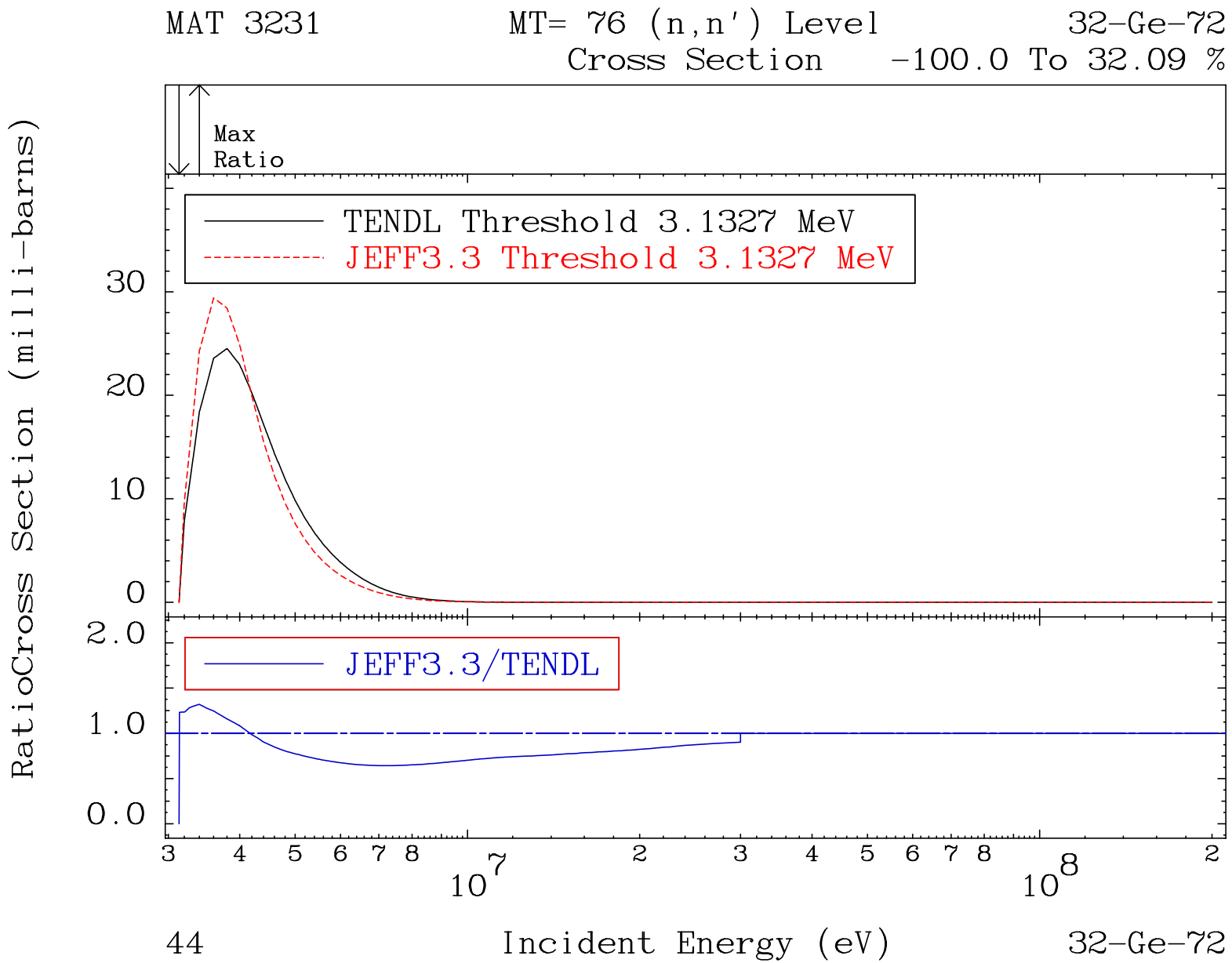

MAT 3231
MT= 71 (n,n') Level
32-Ge-72
Cross Section -29.18 To 19.22 %
Max Ratio
Min Ratio
TENDL Threshold 2.9848 MeV
JEFF3.3 Threshold 2.9848 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
32-Ge-72

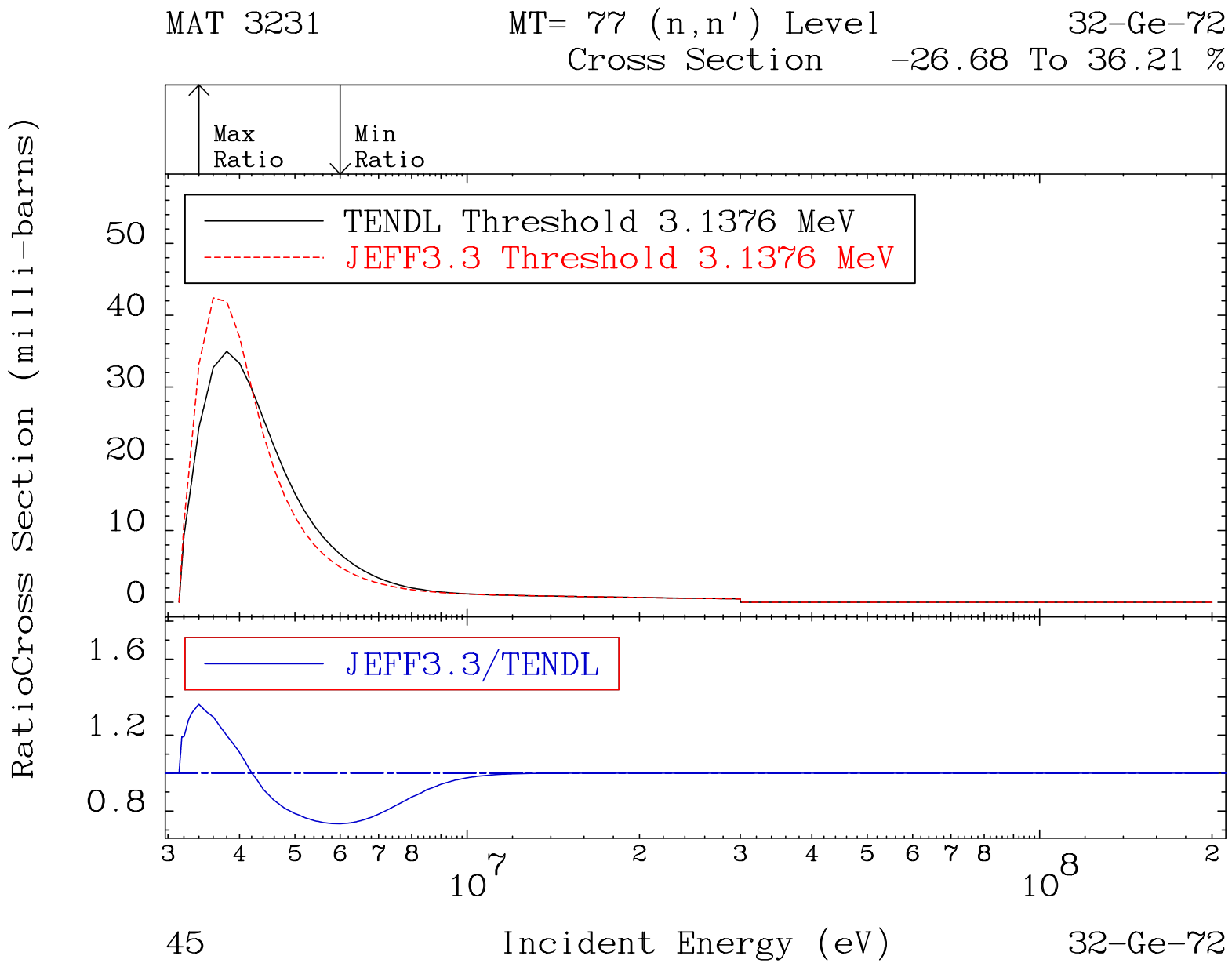

MAT 3231
MT= 72 (n,n') Level
32-Ge-72
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.9918 MeV
JEFF3.3 Threshold 2.9918 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
32-Ge-72

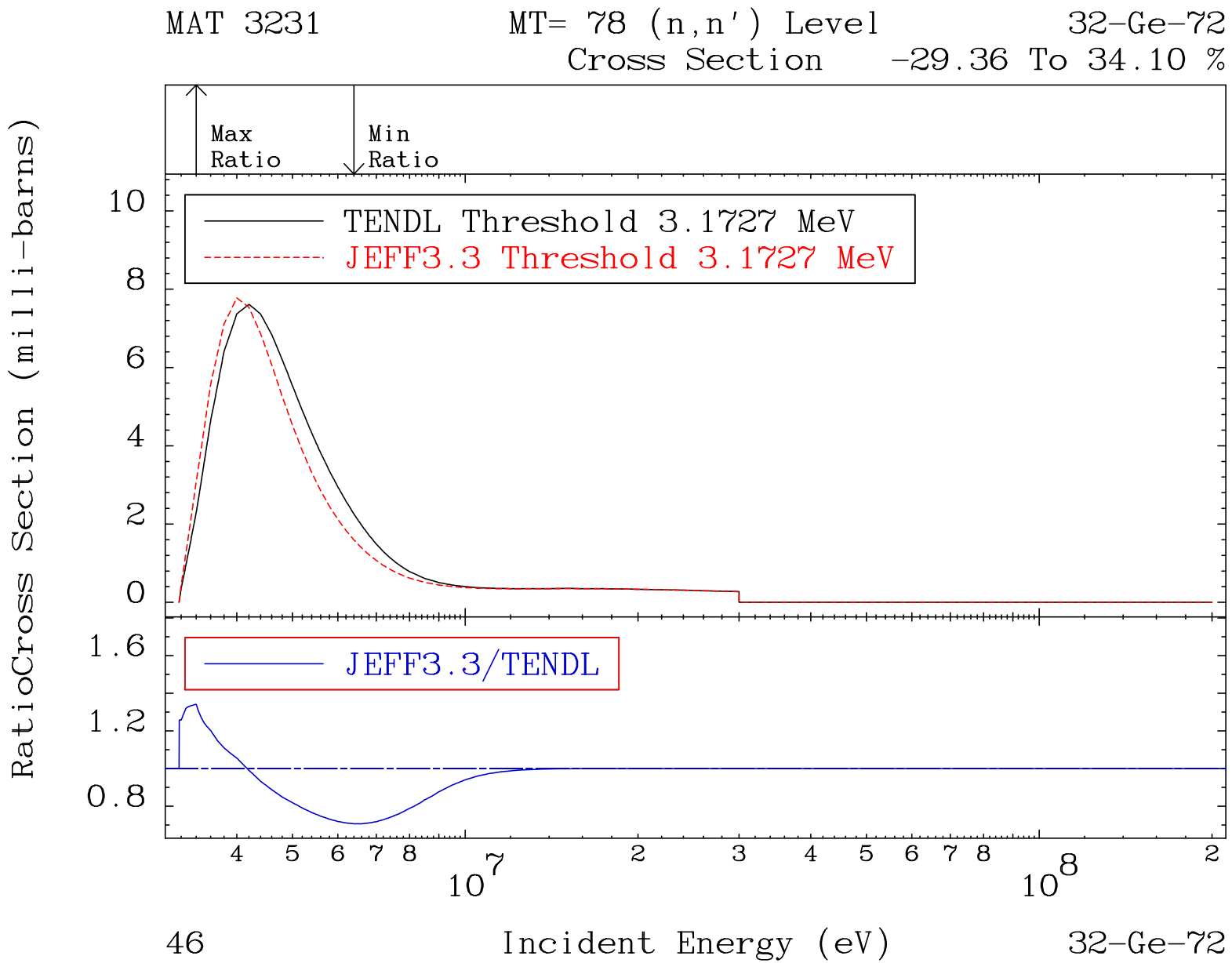

MAT 3231
MT= 73 (n,n') Level
32-Ge-72
Cross Section -27.08 To 35.28 %
Max Ratio
Min Ratio
TENDL Threshold 3.0766 MeV
JEFF3.3 Threshold 3.0766 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
41
Incident Energy (eV)
32-Ge-72

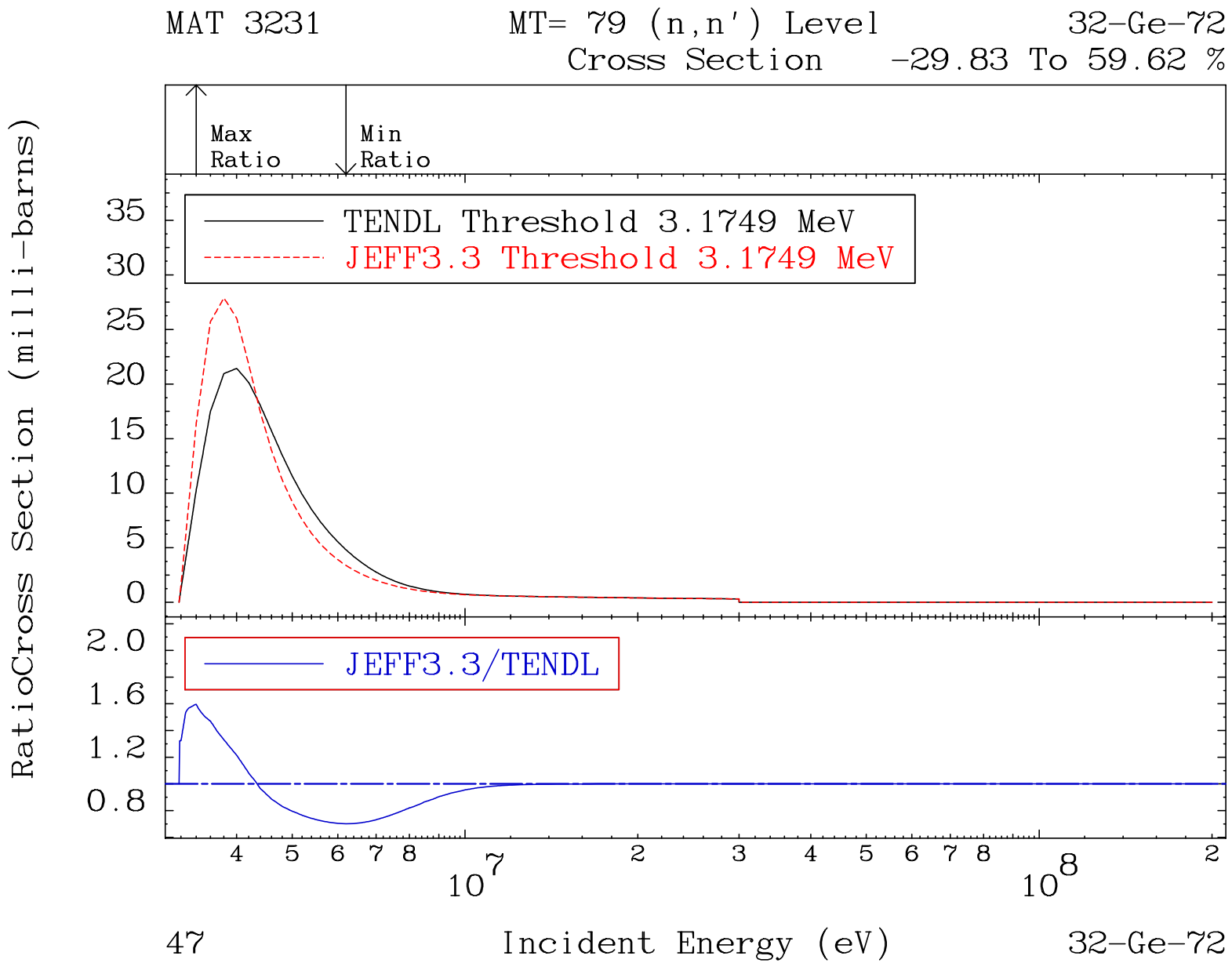

MAT 3231
MT= 74 (n,n') Level
32-Ge-72
Cross Section
-32.44 To 25.08 %
Max Ratio
Min Ratio
TENDL Threshold 3.0782 MeV
JEFF3.3 Threshold 3.0782 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
32-Ge-72

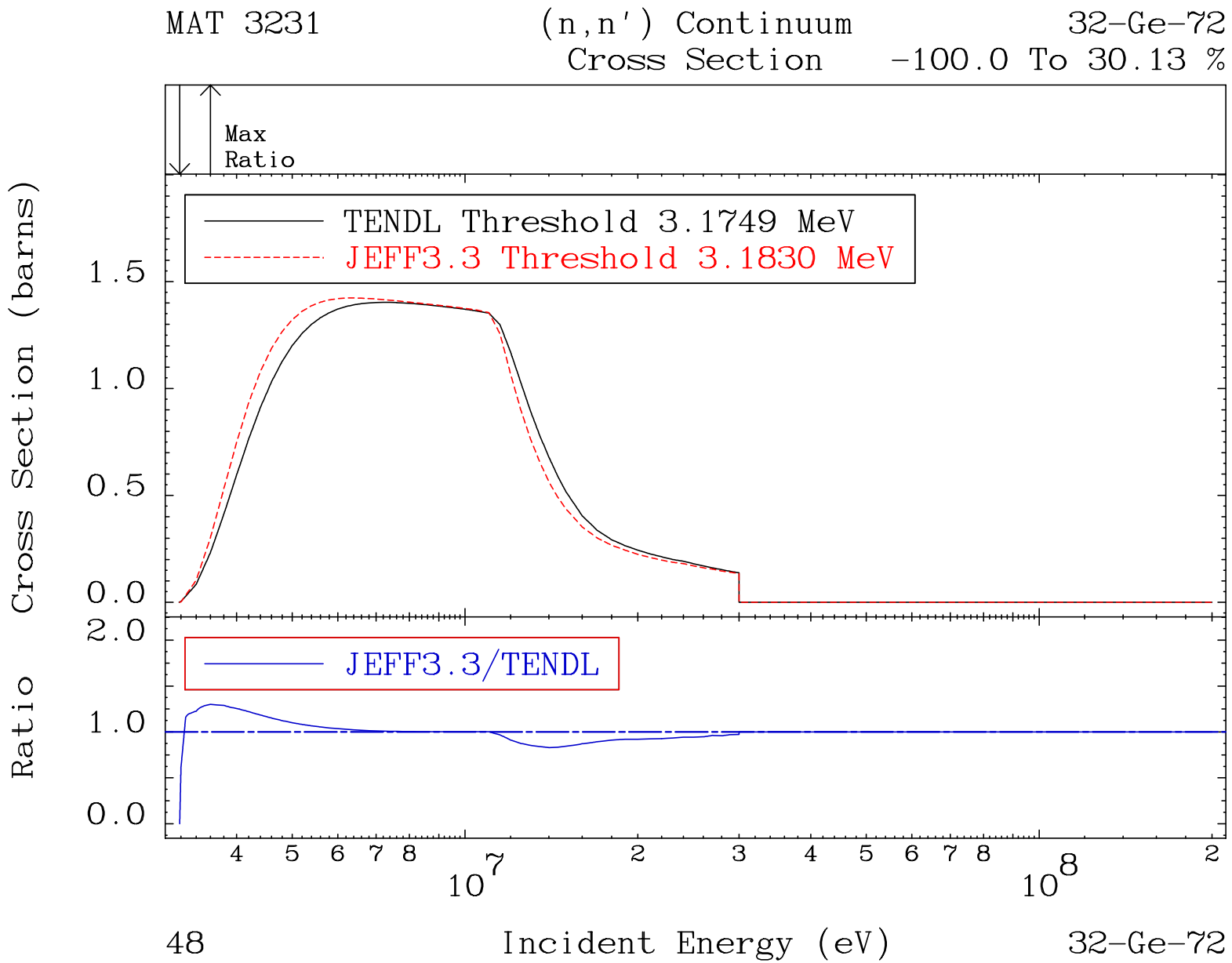

MAT 3231
MT= 75 (n,n') Level
32-Ge-72
Cross Section -30.16 To 57.01 %
Max Ratio
Min Ratio
TENDL Threshold 3.1235 MeV
JEFF3.3 Threshold 3.1235 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
2.0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
32-Ge-72

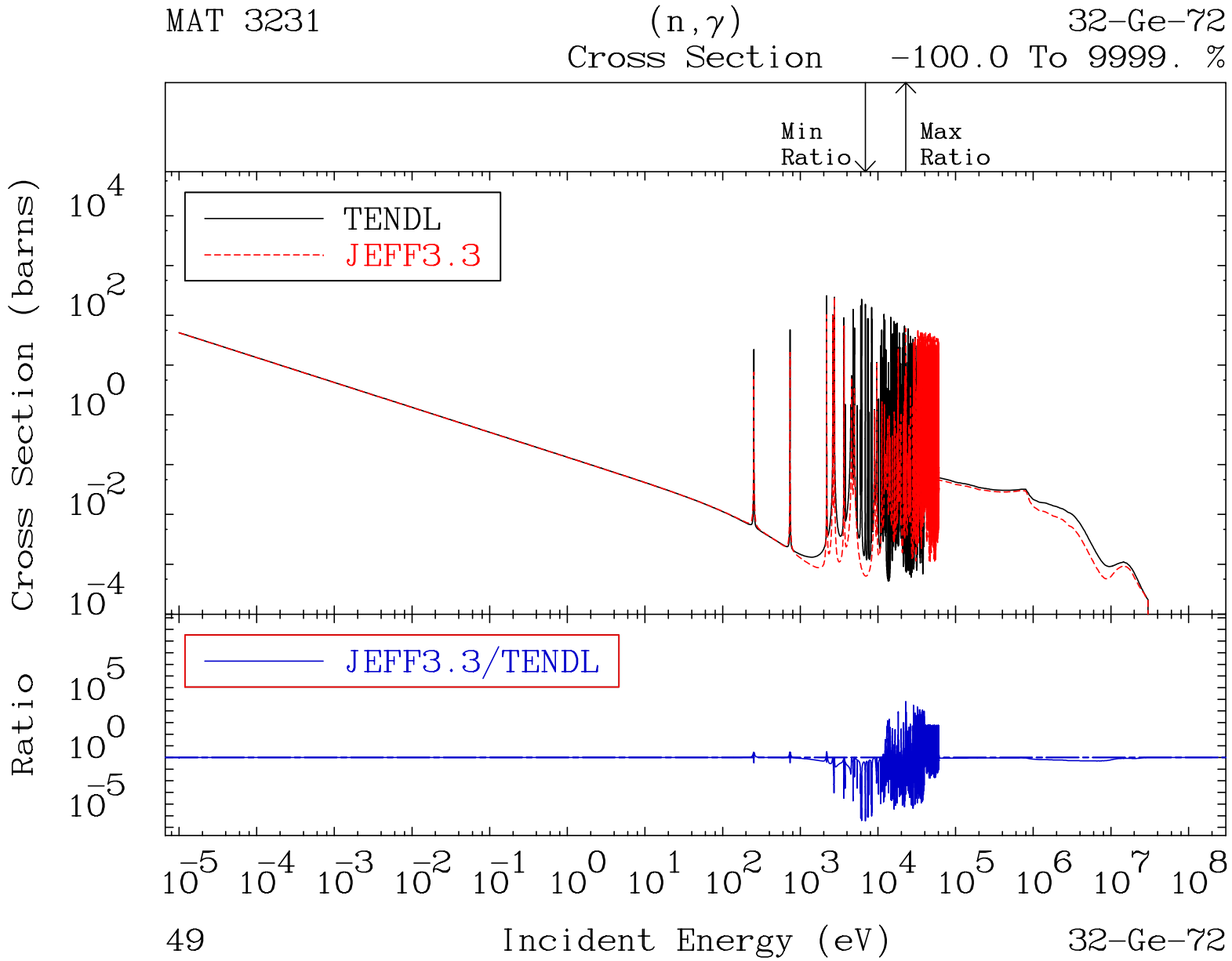

MAT 3231
MT= 76 (n,n') Level
32-Ge-72
Cross Section -100.0 To 32.09 %
Max
Ratio
TENDL Threshold 3.1327 MeV
JEFF3.3 Threshold 3.1327 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
32-Ge-72

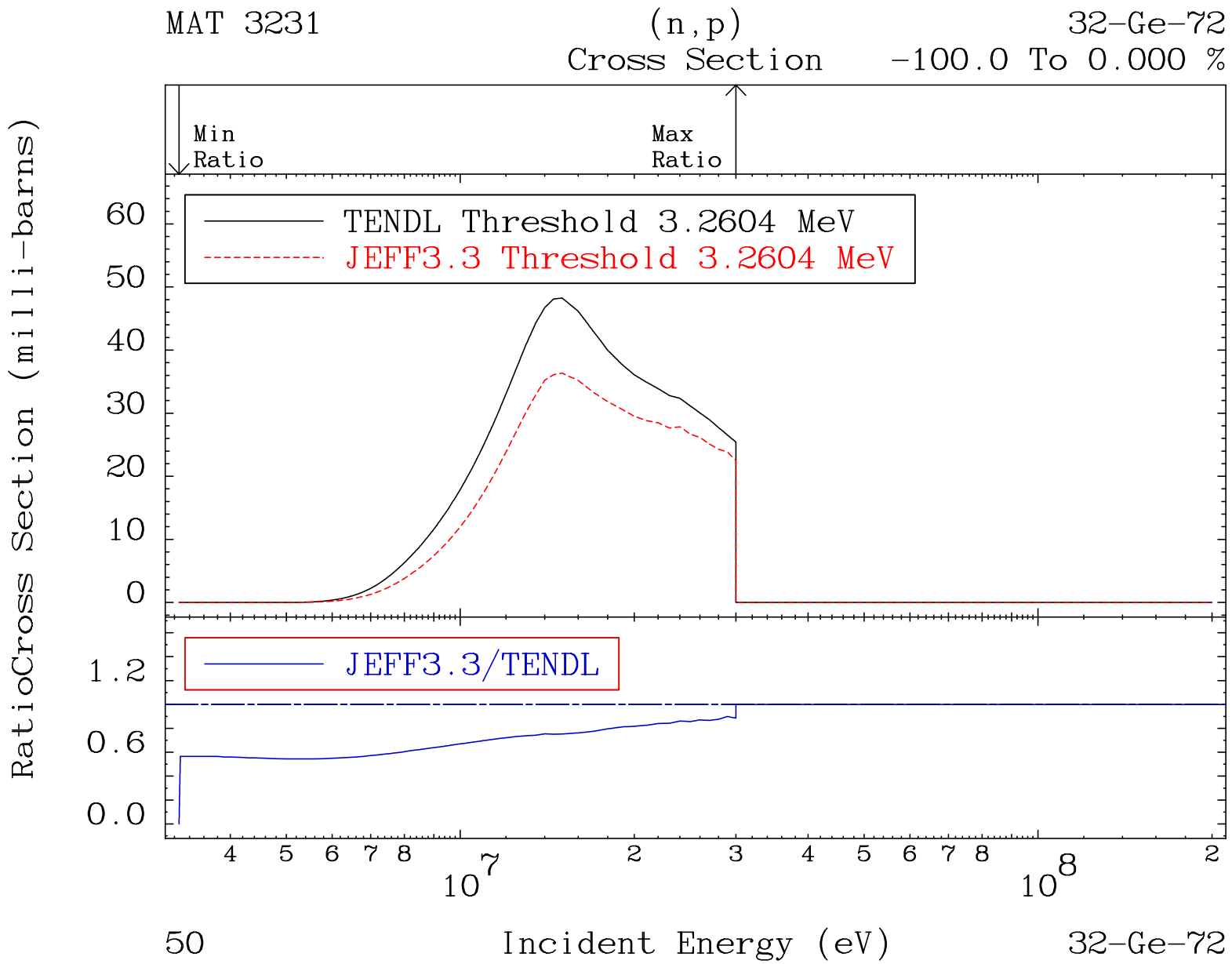

MAT 3231
MT= 77 (n,n') Level
32-Ge-72
Cross Section
-26.68 To 36.21 %
Max Ratio
Min Ratio
TENDL Threshold 3.1376 MeV
JEFF3.3 Threshold 3.1376 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.6
1.2
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
32-Ge-72

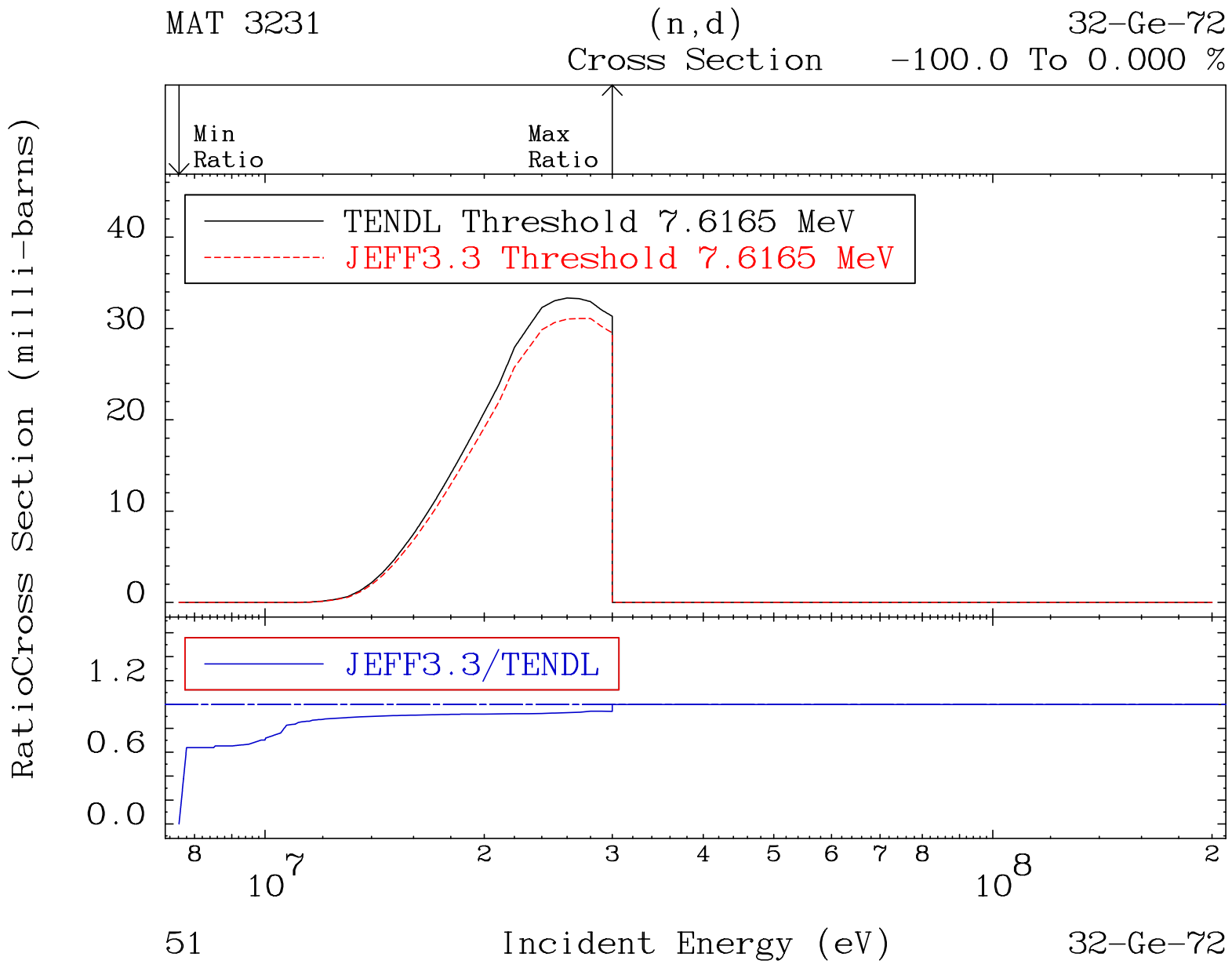

MAT 3231
MT= 78 (n,n') Level
32-Ge-72
Cross Section
-29.36 To 34.10 %
Max Ratio
Min Ratio
TENDL Threshold 3.1727 MeV
JEFF3.3 Threshold 3.1727 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.6
1.2
0.8
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
32-Ge-72

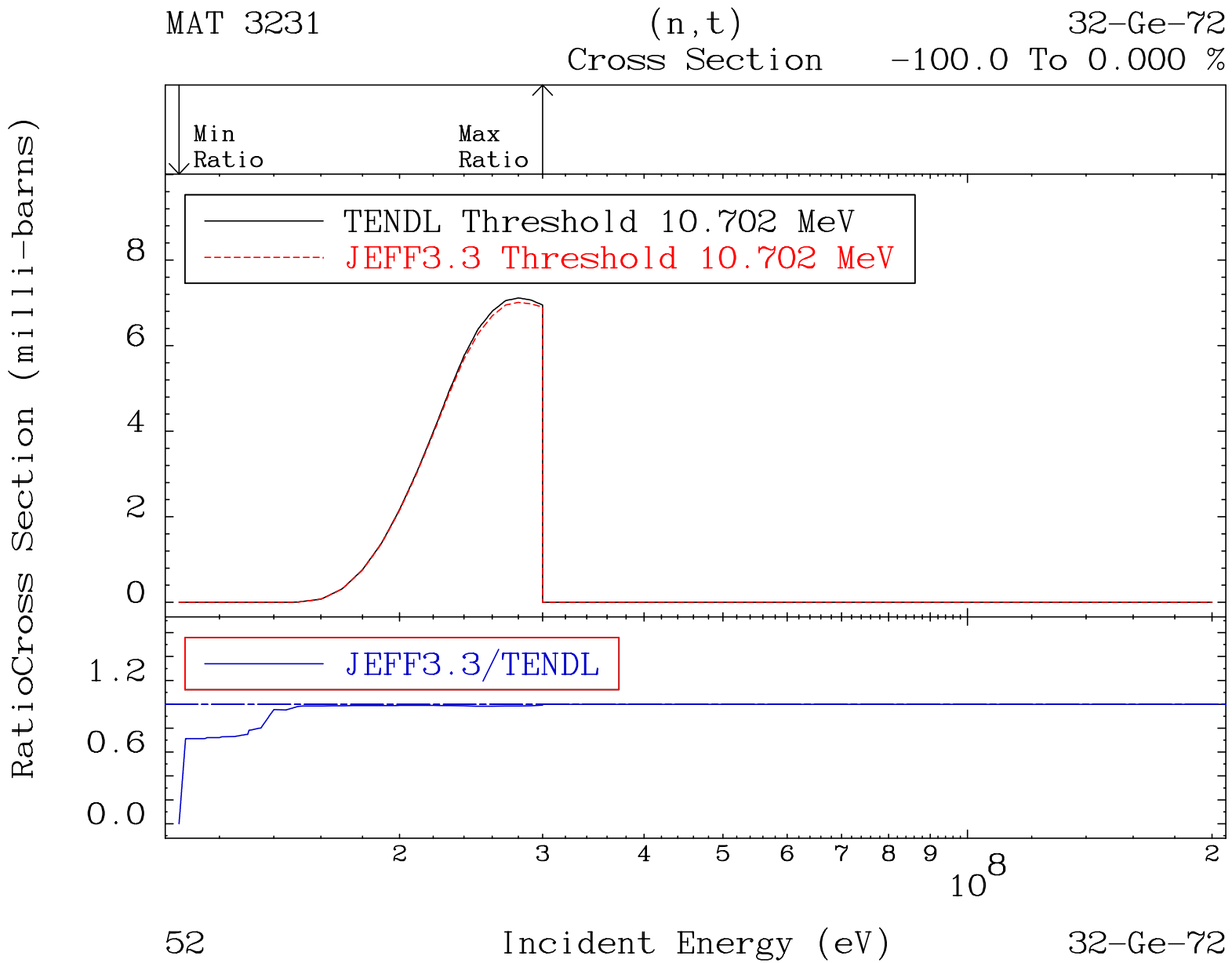

MAT 3231
MT= 79 (n,n') Level
32-Ge-72
Cross Section -29.83 To 59.62 %
Max Ratio
Min Ratio
TENDL Threshold 3.1749 MeV
JEFF3.3 Threshold 3.1749 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.6
1.2
0.8
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
47
32-Ge-72

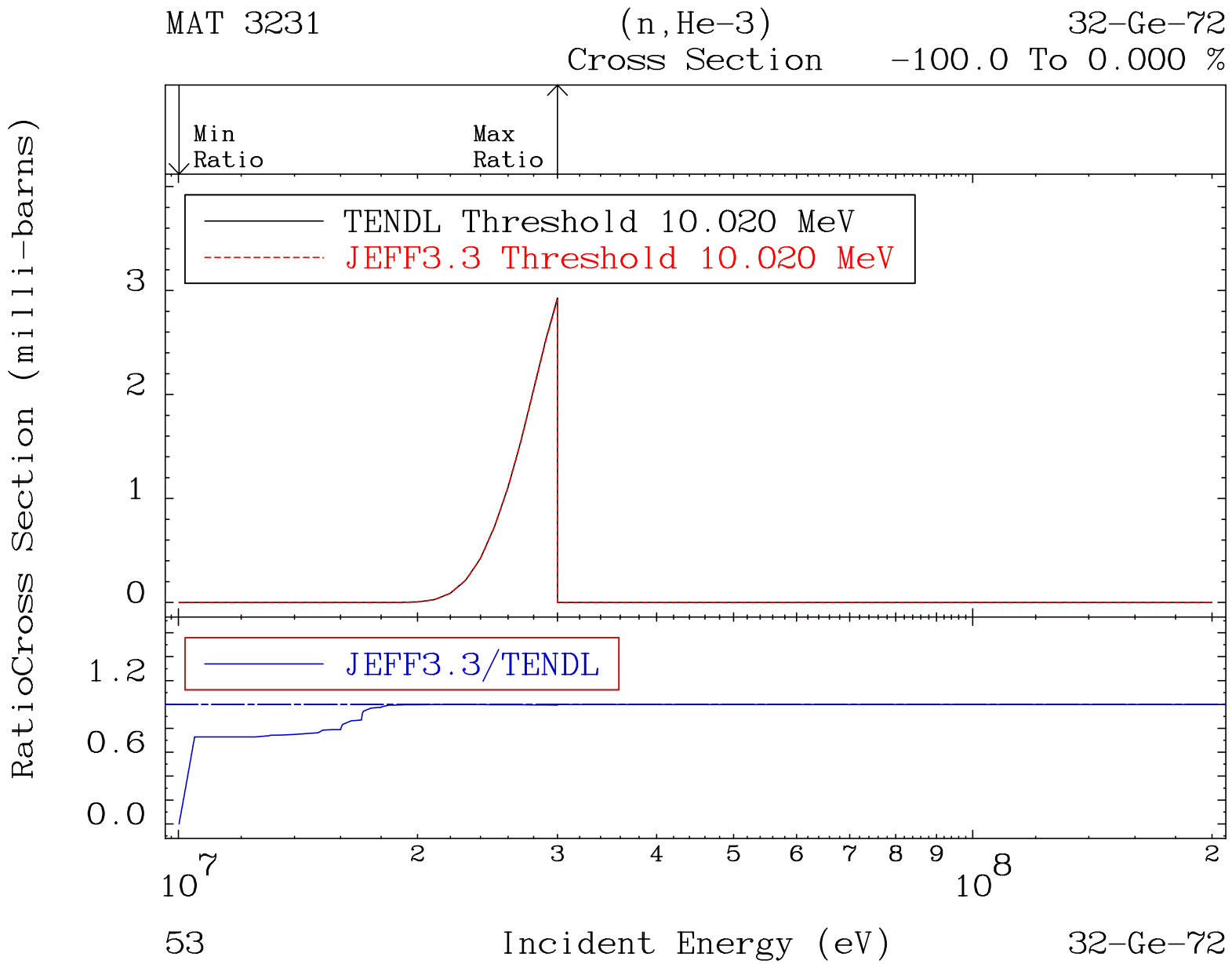

MAT 3231
(n,n') Continuum
Cross Section
32-Ge-72
-100.0 To 30.13 %
Max
Ratio
TENDL Threshold 3.1749 MeV
JEFF3.3 Threshold 3.1830 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
32-Ge-72

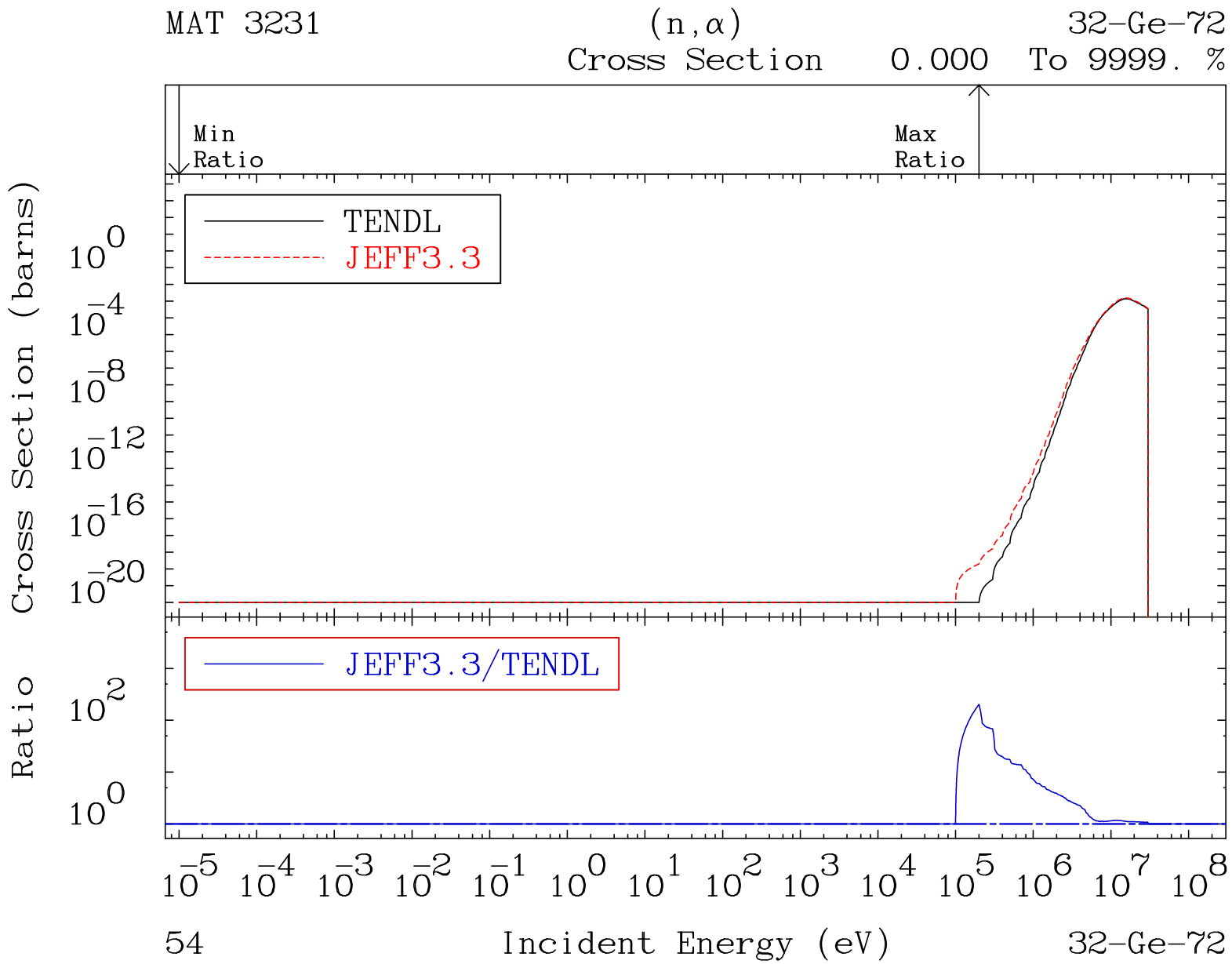

MAT 3231
(n,γ)
Cross Section
32-Ge-72
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
32-Ge-72

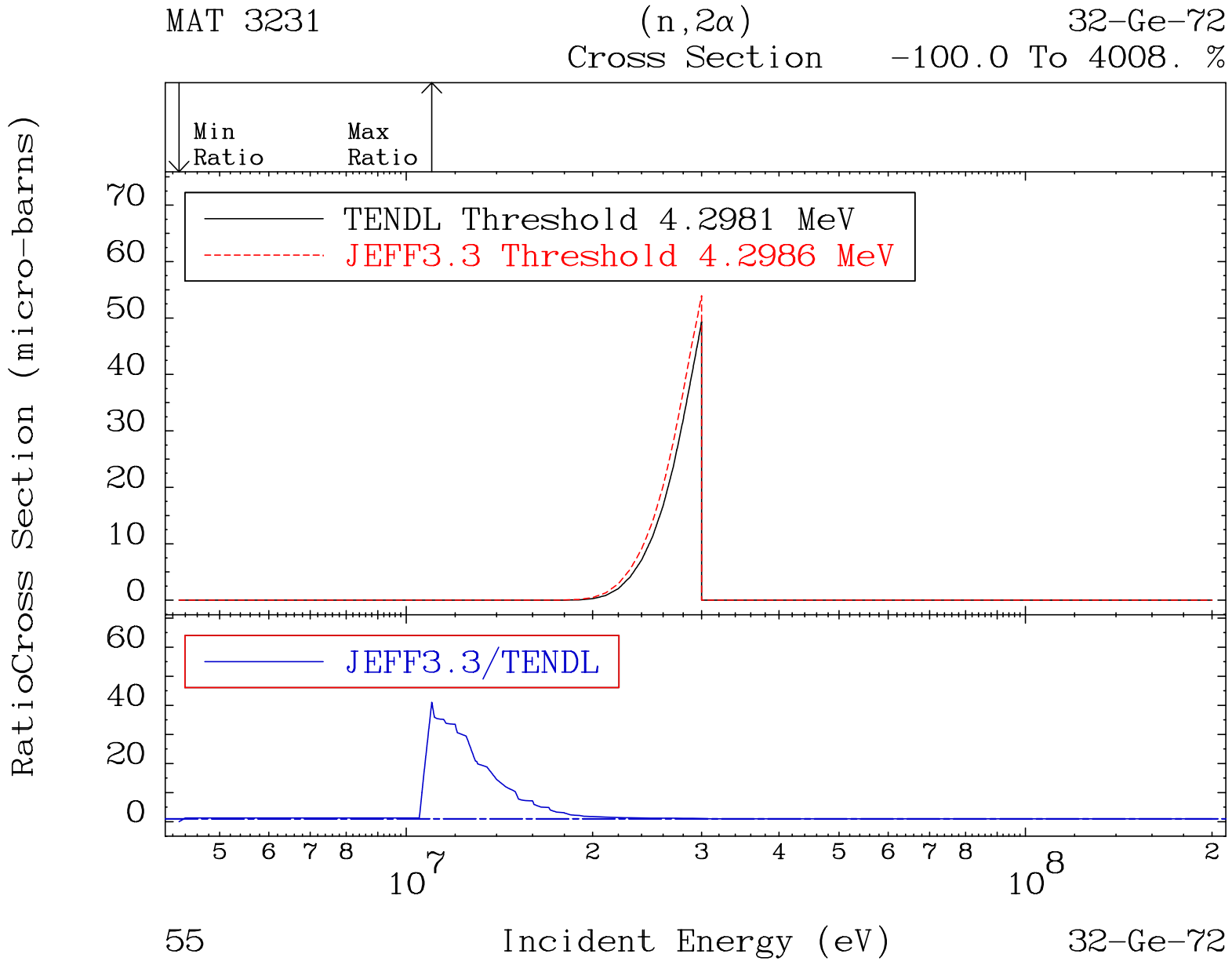

MAT 3231
(n,p)
32-Ge-72
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.2604 MeV
JEFF3.3 Threshold 3.2604 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
32-Ge-72

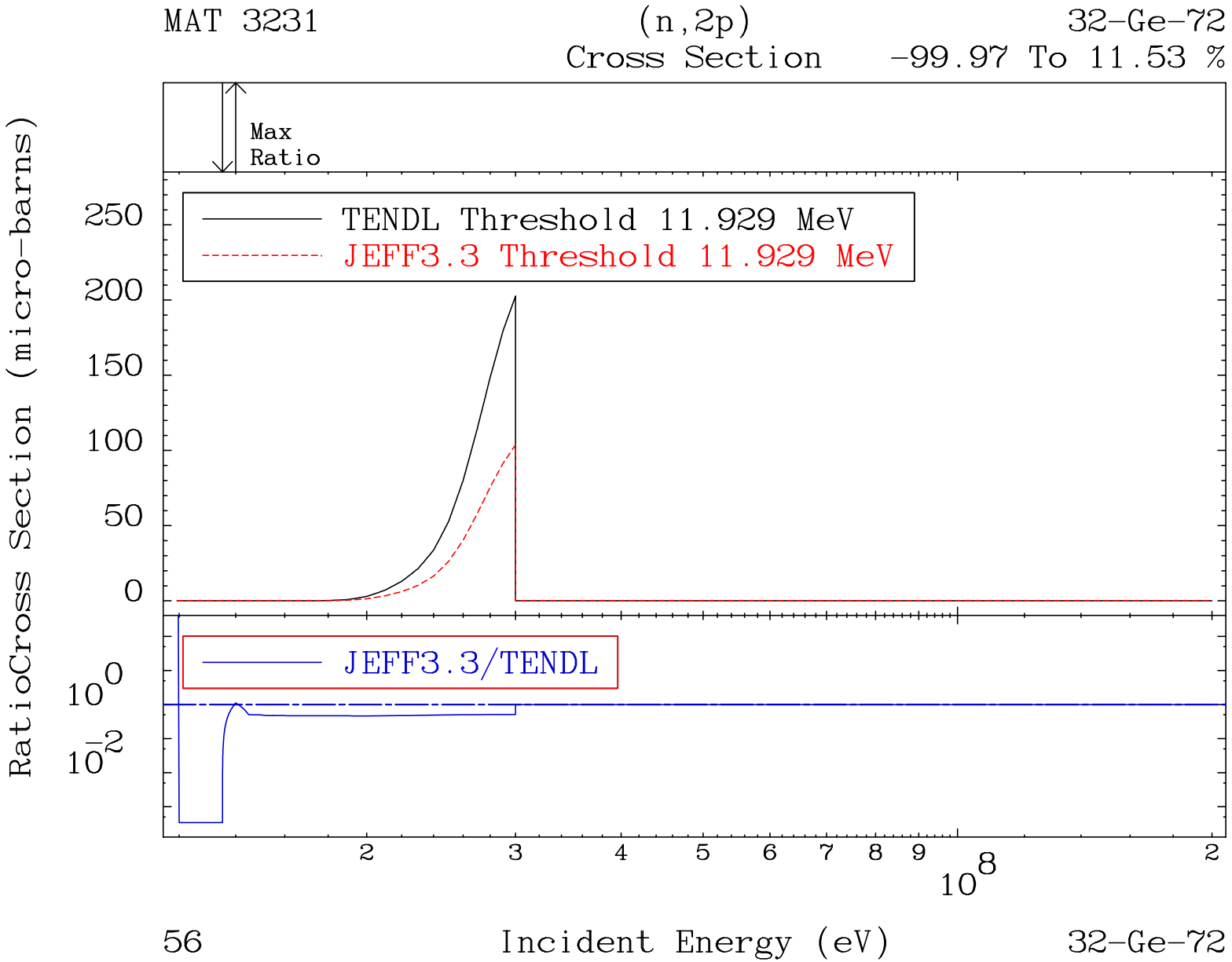

MAT 3231
(n,d)
32-Ge-72
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 7.6165 MeV
JEFF3.3 Threshold 7.6165 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
51
Incident Energy (eV)
32-Ge-72

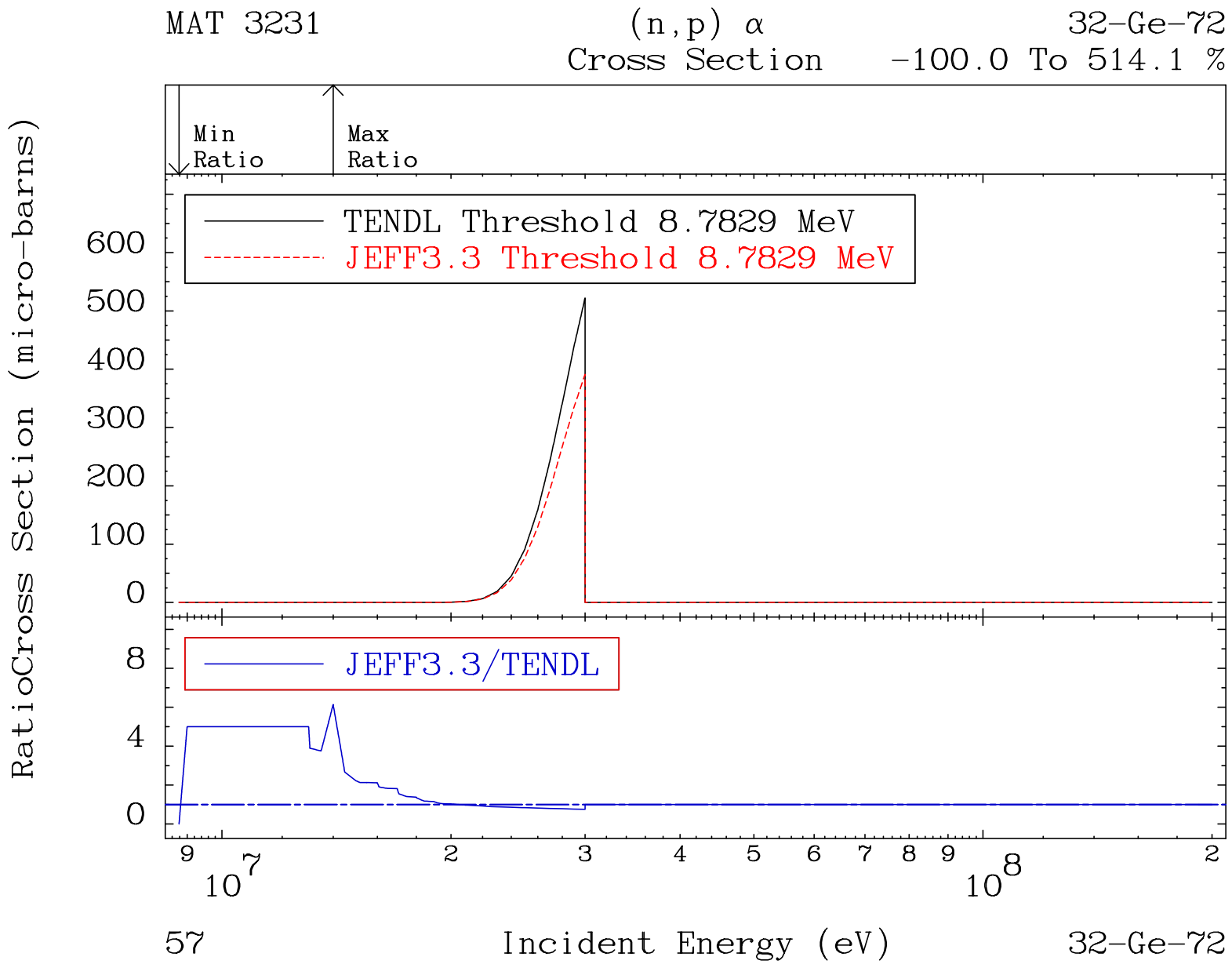

MAT 3231
(n,t)
32-Ge-72
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.702 MeV
JEFF3.3 Threshold 10.702 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
32-Ge-72

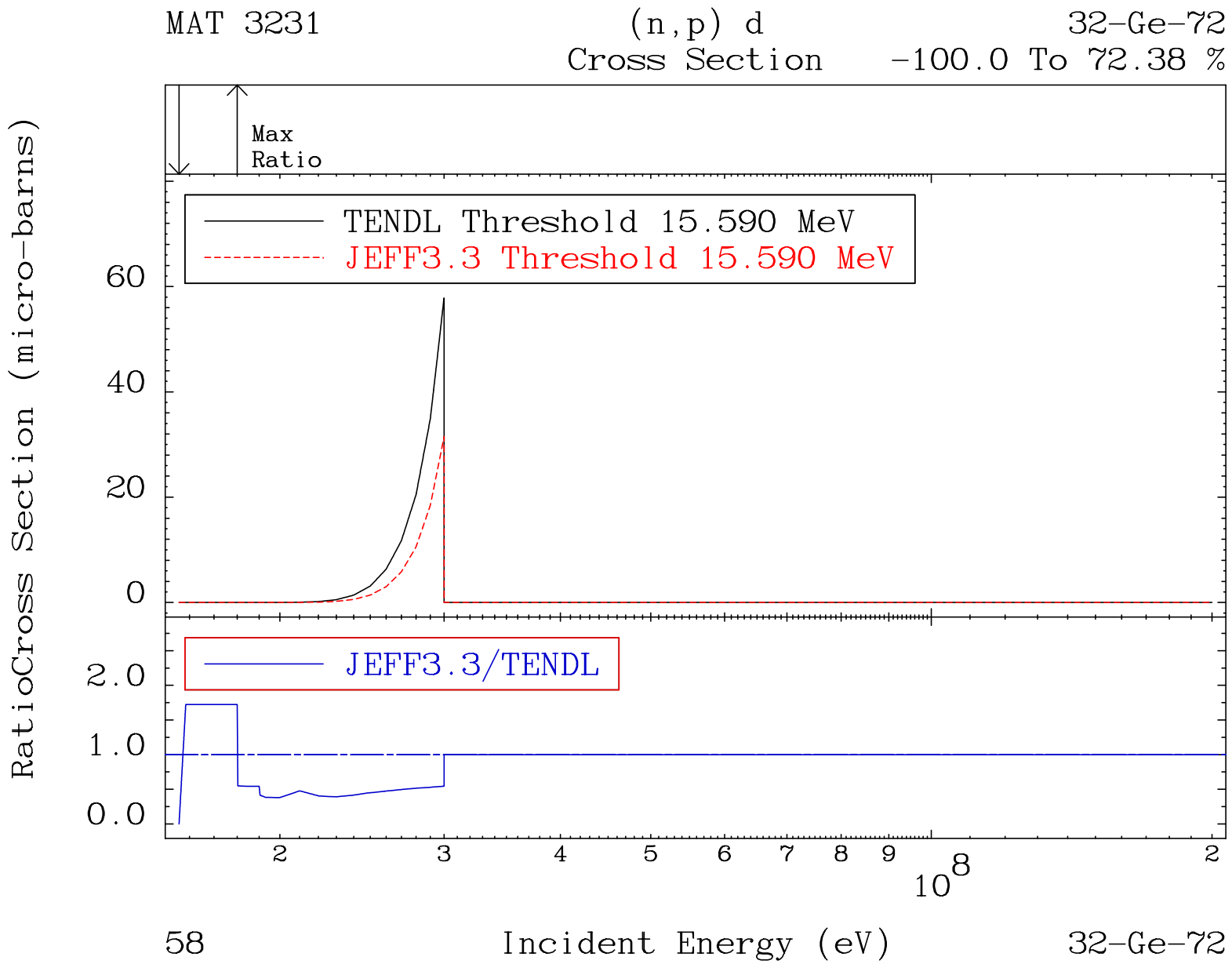

MAT 3231
(n,He-3)
Cross Section
32-Ge-72
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.020 MeV
JEFF3.3 Threshold 10.020 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3
2
1
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
32-Ge-72

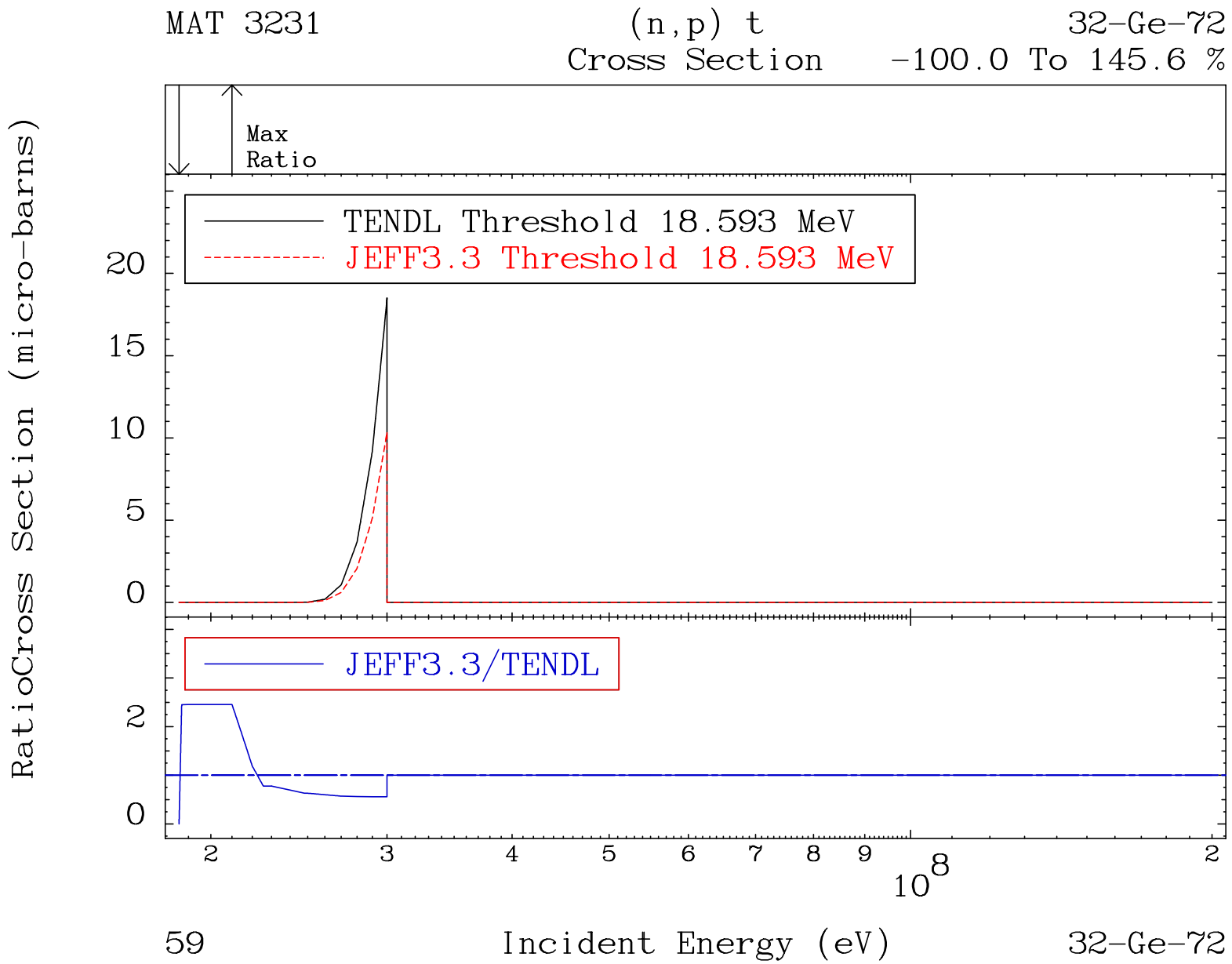

MAT 3231
(n,α)
32-Ge-72
Cross Section
0.000
To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
32-Ge-72

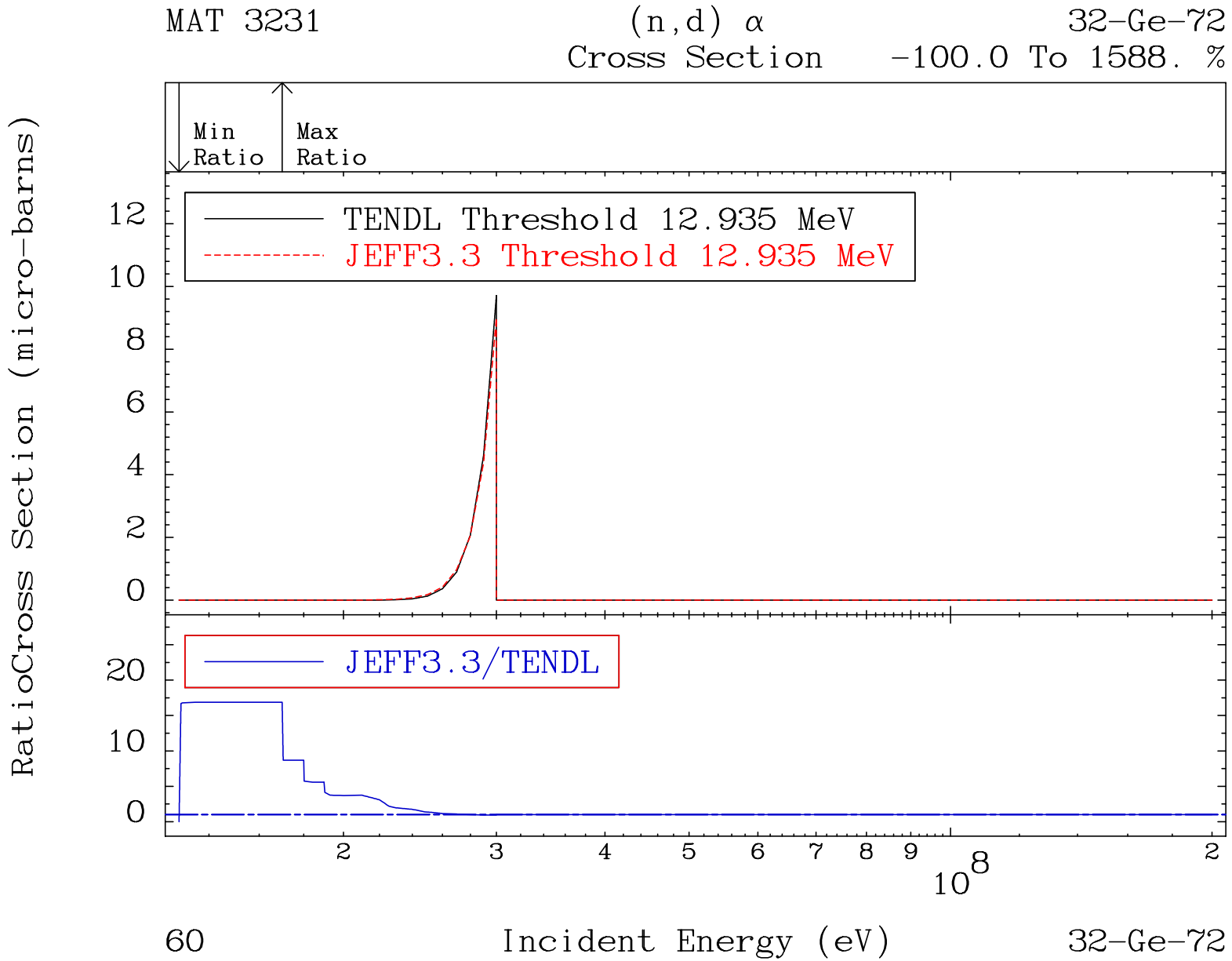

MAT 3231
(n,2α)
32-Ge-72
Cross Section
-100.0 To 4008. %
Min Ratio
Max Ratio
TENDL Threshold 4.2981 MeV
JEFF3.3 Threshold 4.2986 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
70
60
50
40
30
20
10
0
60
40
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
55
Incident Energy (eV)
32-Ge-72

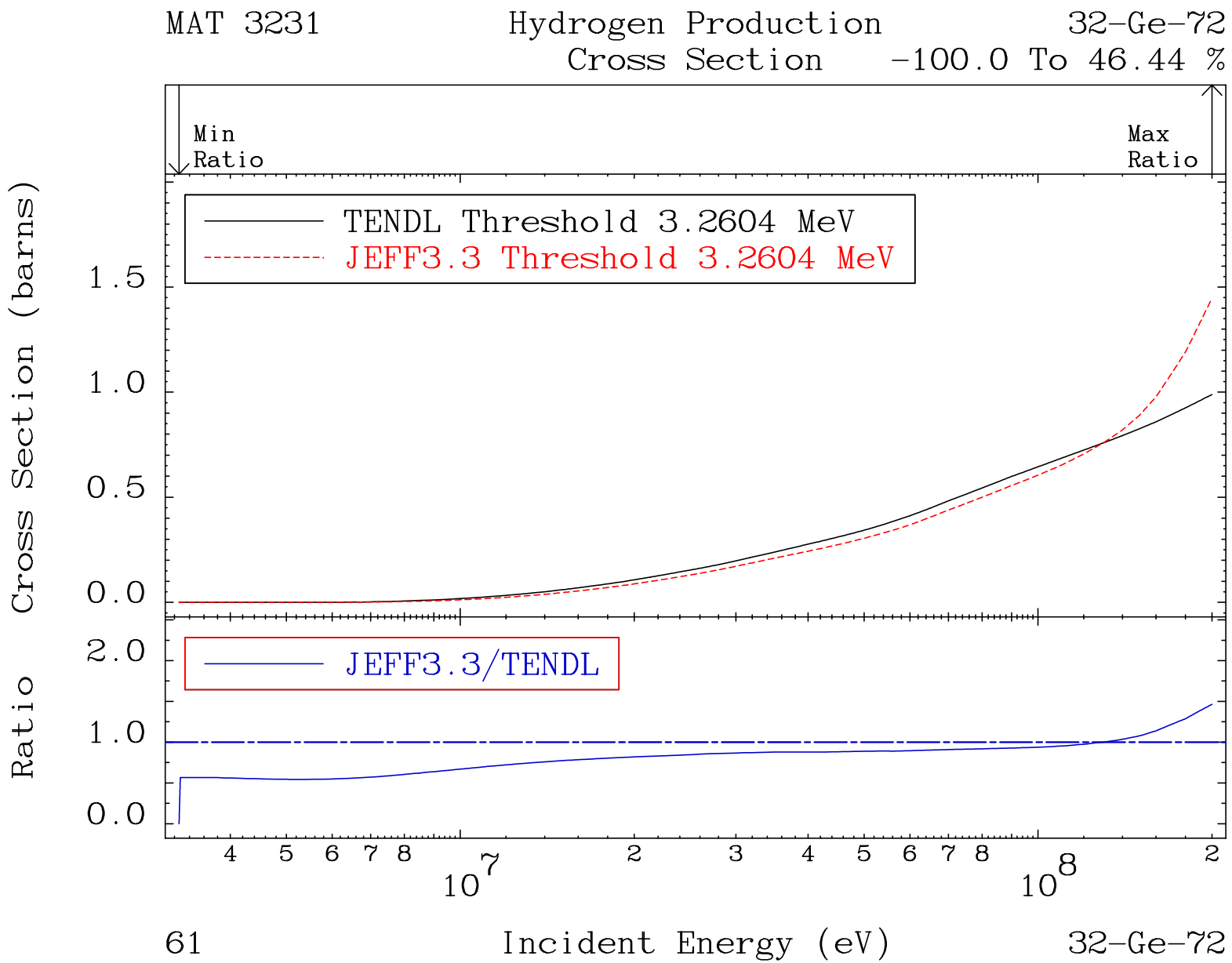

MAT 3231
(n,2p)
32-Ge-72
Cross Section
-99.97 To 11.53 %
Max
Ratio
TENDL Threshold 11.929 MeV
JEFF3.3 Threshold 11.929 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
10^{0}
10^{-2}
2
3
4
5
6
7
8
9
2
10^{8}
56
Incident Energy (eV)
32-Ge-72

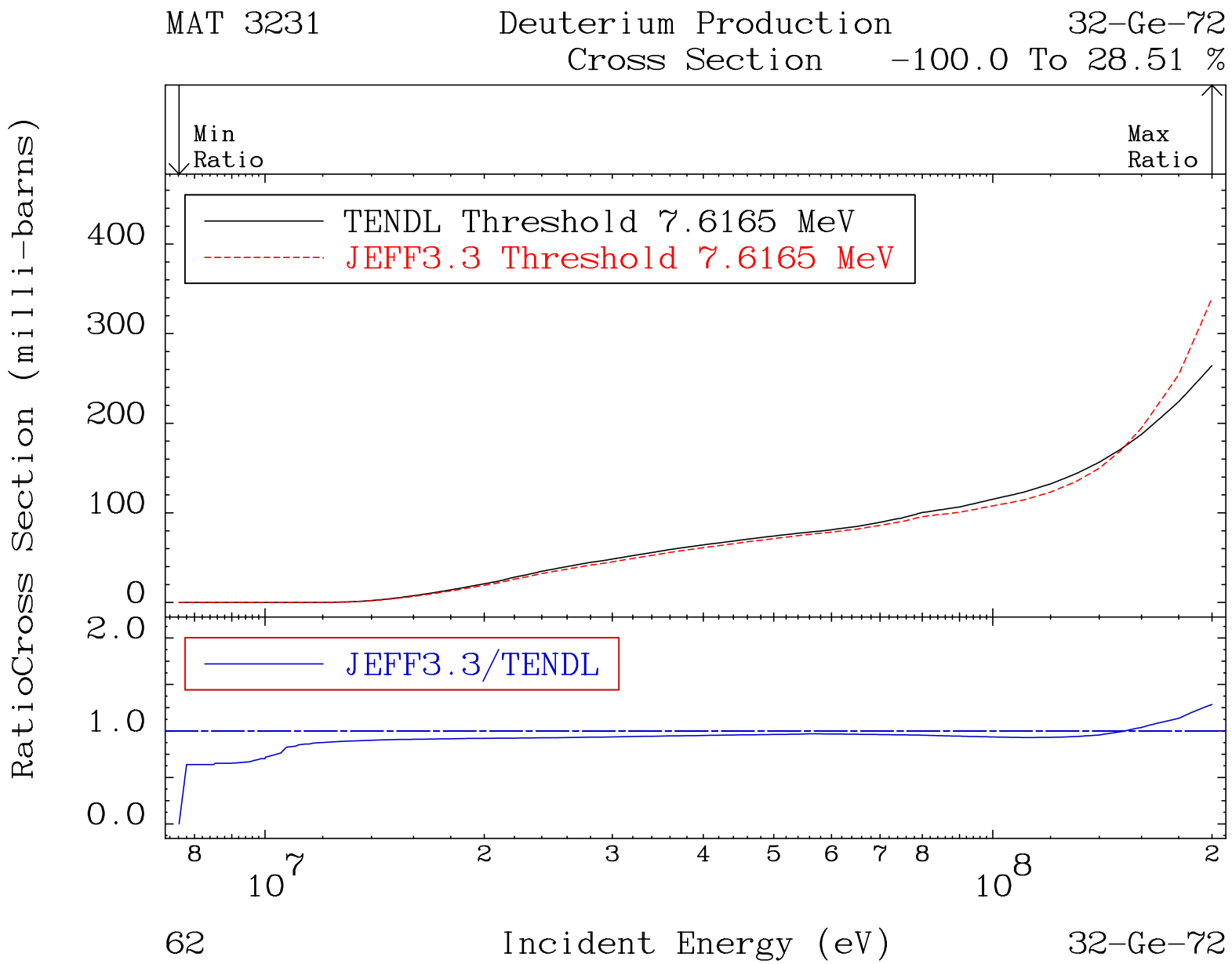

MAT 3231
(n,p) α
32-Ge-72
Cross Section
-100.0 To 514.1 %
Min Ratio
Max Ratio
TENDL Threshold 8.7829 MeV
JEFF3.3 Threshold 8.7829 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
8
4
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
32-Ge-72

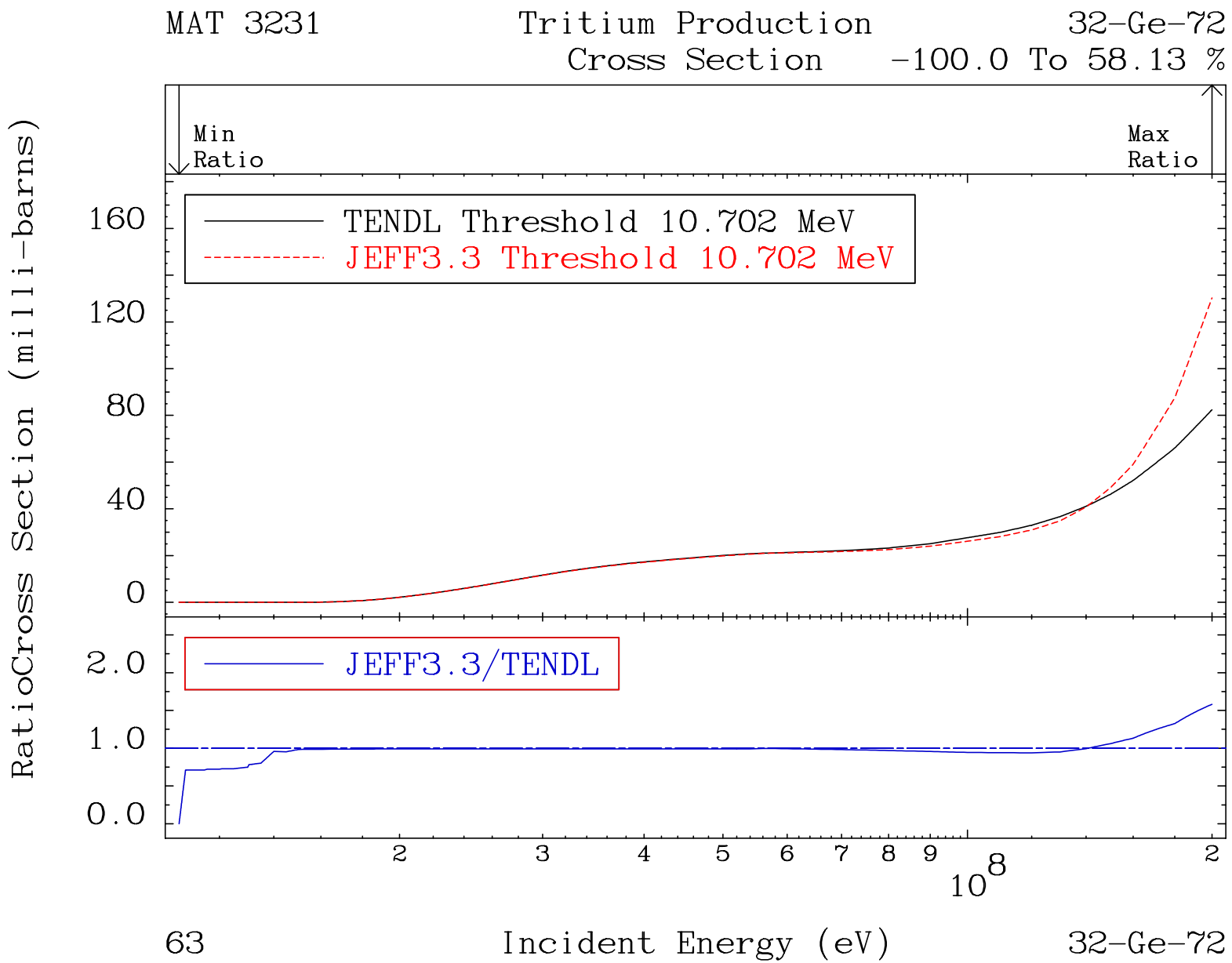

MAT 3231
(n,p) d
Cross Section
32-Ge-72
-100.0 To 72.38 %
Max
Ratio
TENDL Threshold 15.590 MeV
JEFF3.3 Threshold 15.590 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
32-Ge-72

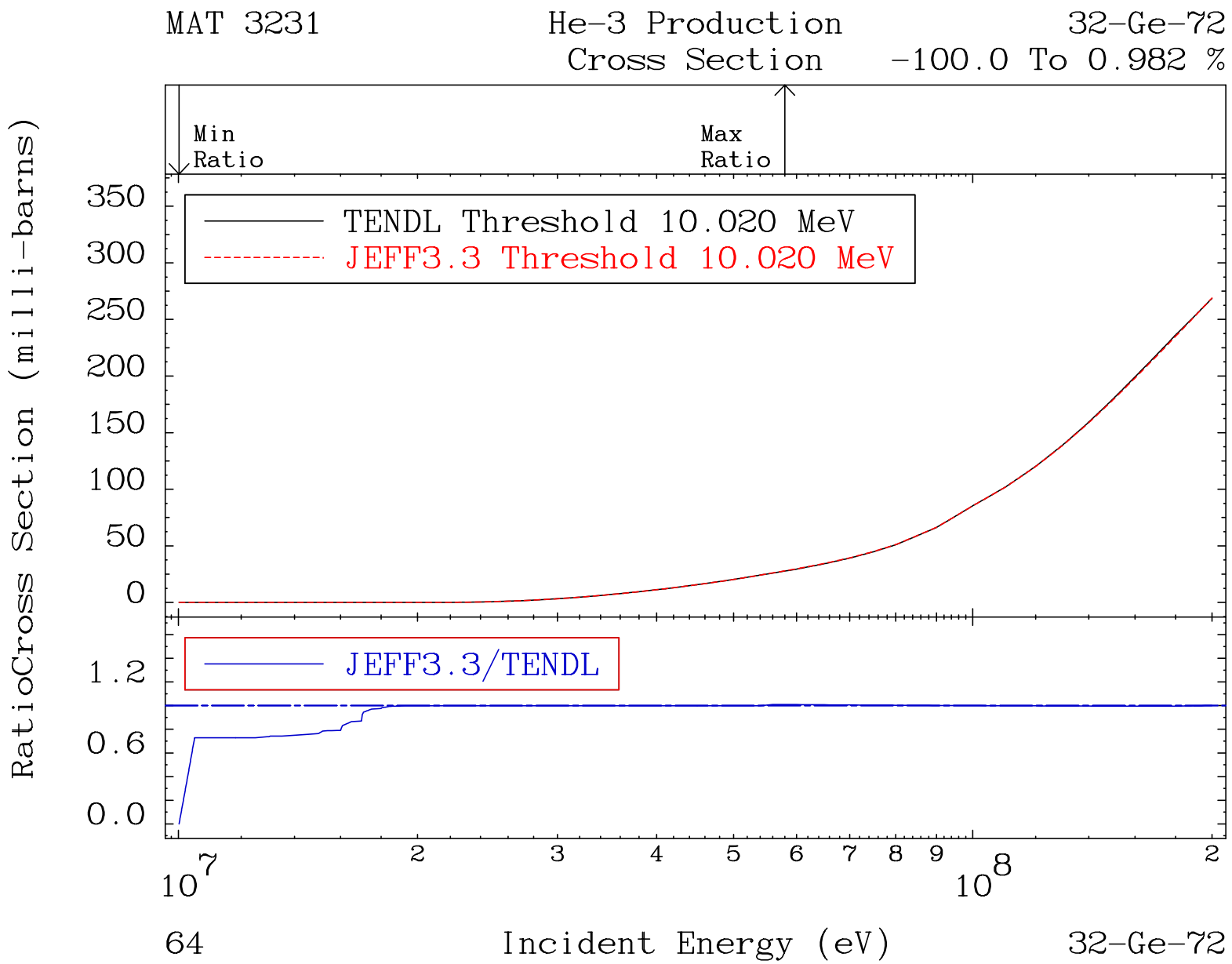

MAT 3231
(n,p) t
Cross Section
32-Ge-72
-100.0 To 145.6 %
Max
Ratio
TENDL Threshold 18.593 MeV
JEFF3.3 Threshold 18.593 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
2
0
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
32-Ge-72

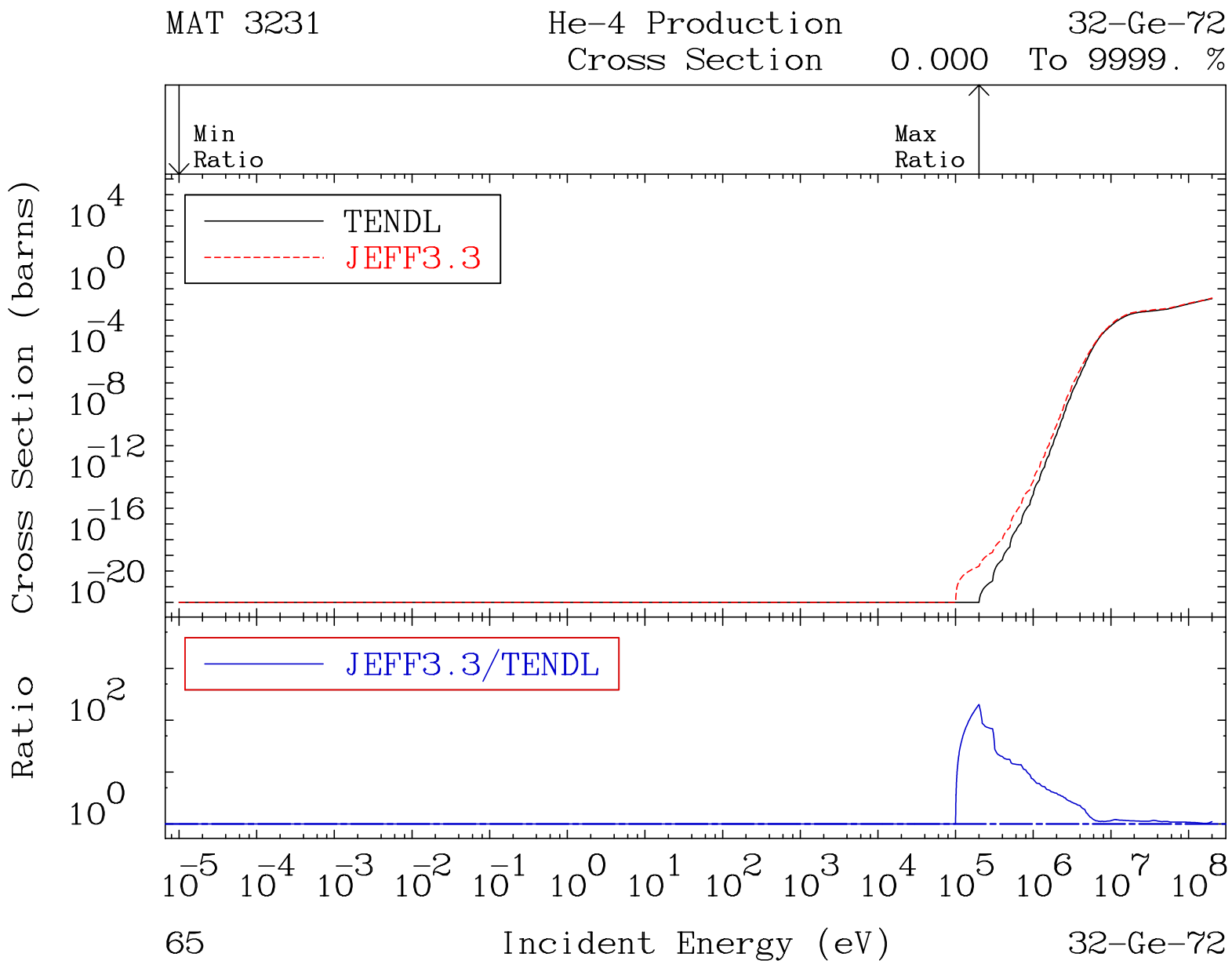

MAT 3231
(n,d) α
32-Ge-72
Cross Section
-100.0 To 1588. %
Min Ratio
Max Ratio
TENDL Threshold 12.935 MeV
JEFF3.3 Threshold 12.935 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
12
10
8
6
4
2
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
32-Ge-72

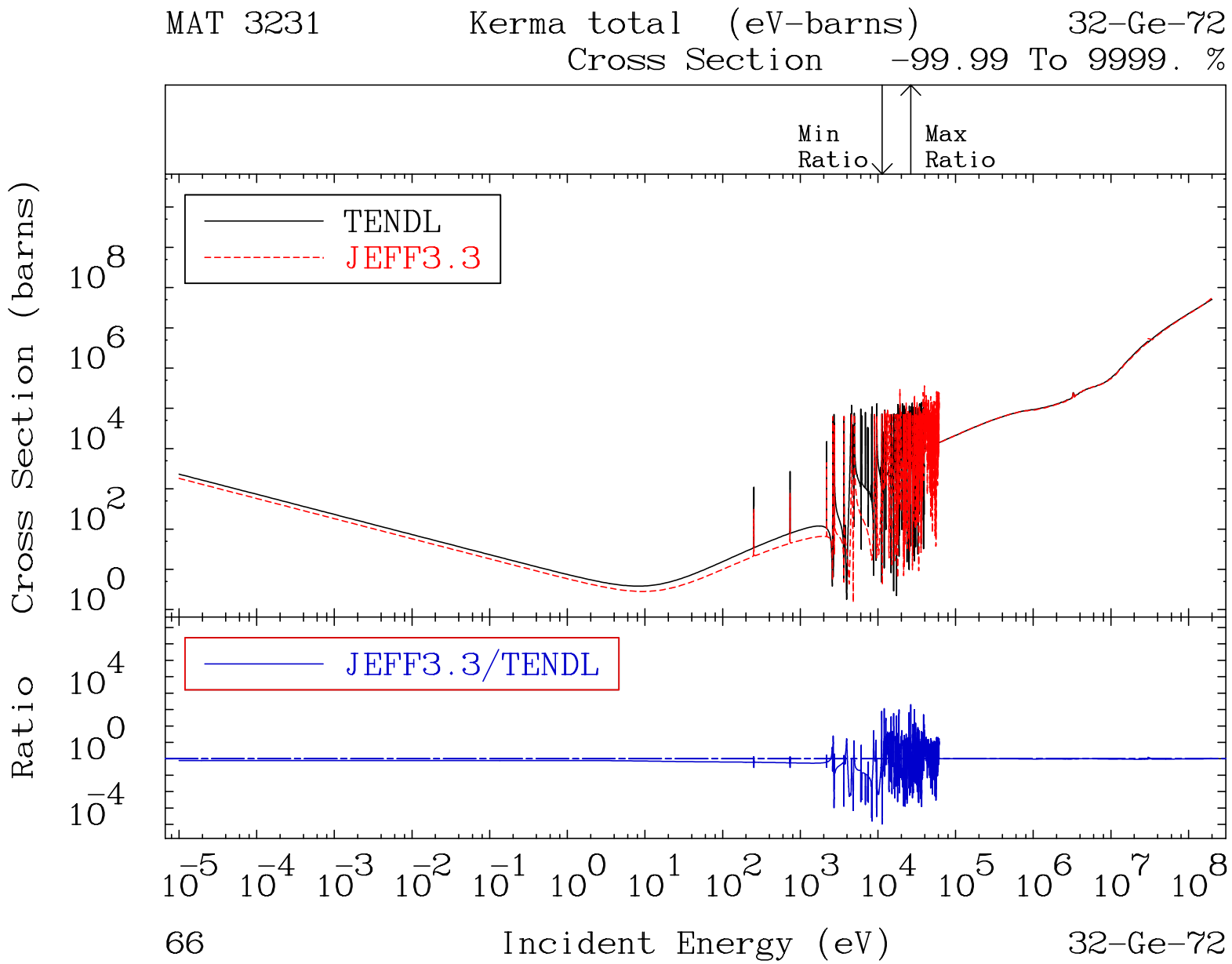

MAT 3231
Hydrogen Production
32-Ge-72
Cross Section -100.0 To 46.44 %
Min Ratio
Max Ratio
TENDL Threshold 3.2604 MeV
JEFF3.3 Threshold 3.2604 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
61
Incident Energy (eV)
32-Ge-72

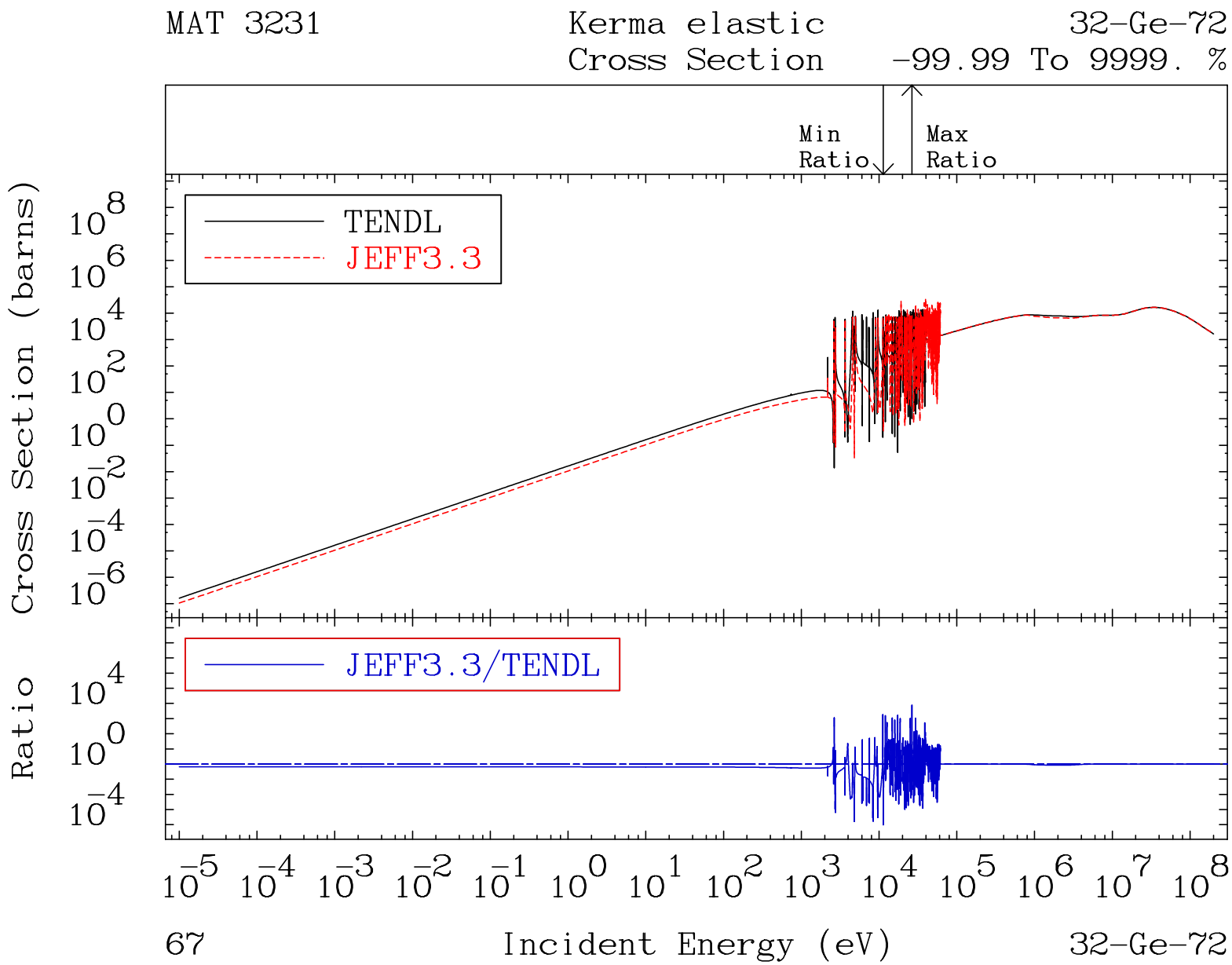

MAT 3231
Deuterium Production
32-Ge-72
Cross Section -100.0 To 28.51 %
Min Ratio
Max Ratio
TENDL Threshold 7.6165 MeV
JEFF3.3 Threshold 7.6165 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
62
Incident Energy (eV)
32-Ge-72

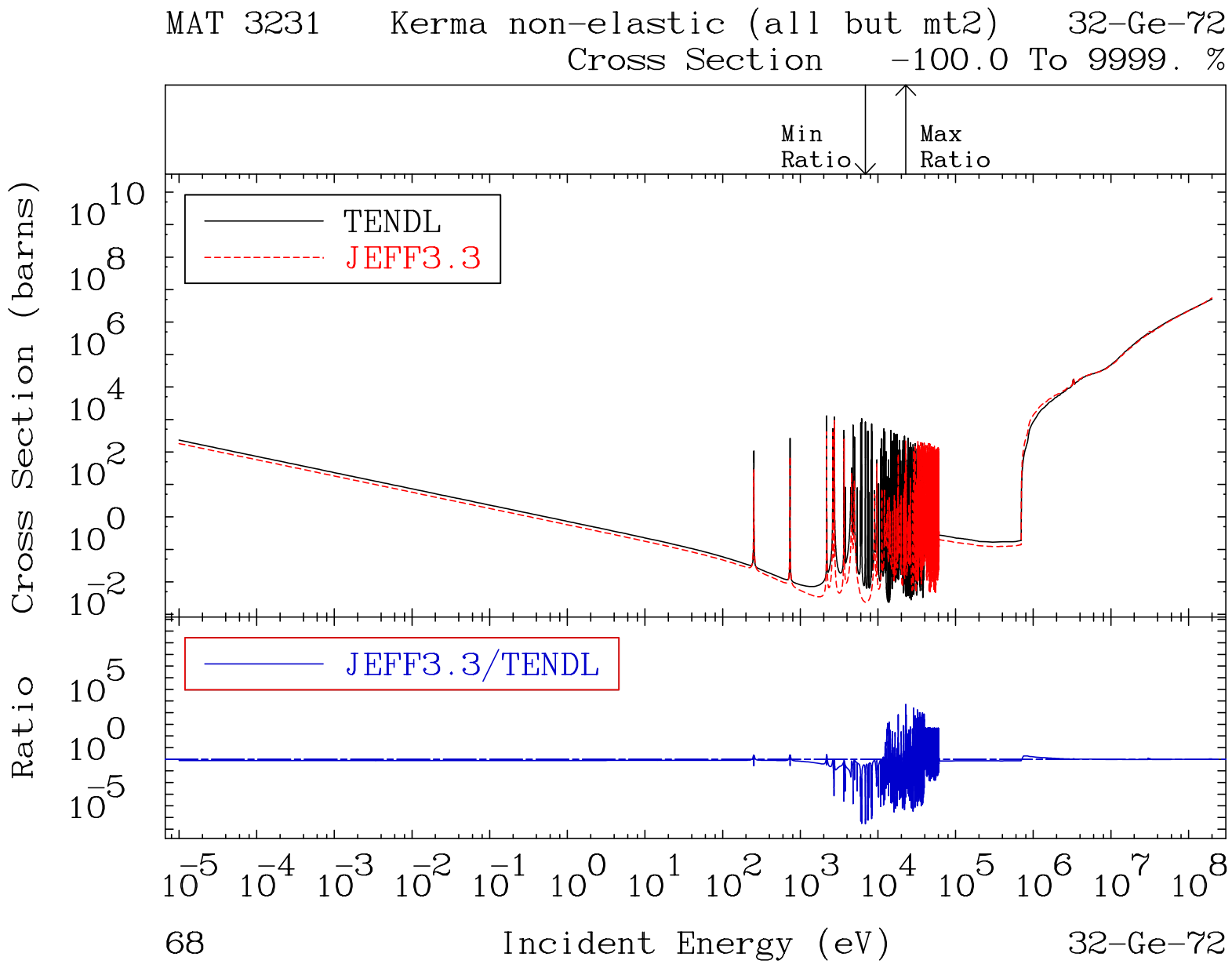

MAT 3231
Tritium Production
Cross Section
32-Ge-72
-100.0 To 58.13 %
Min Ratio
Max Ratio
TENDL Threshold 10.702 MeV
JEFF3.3 Threshold 10.702 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
32-Ge-72

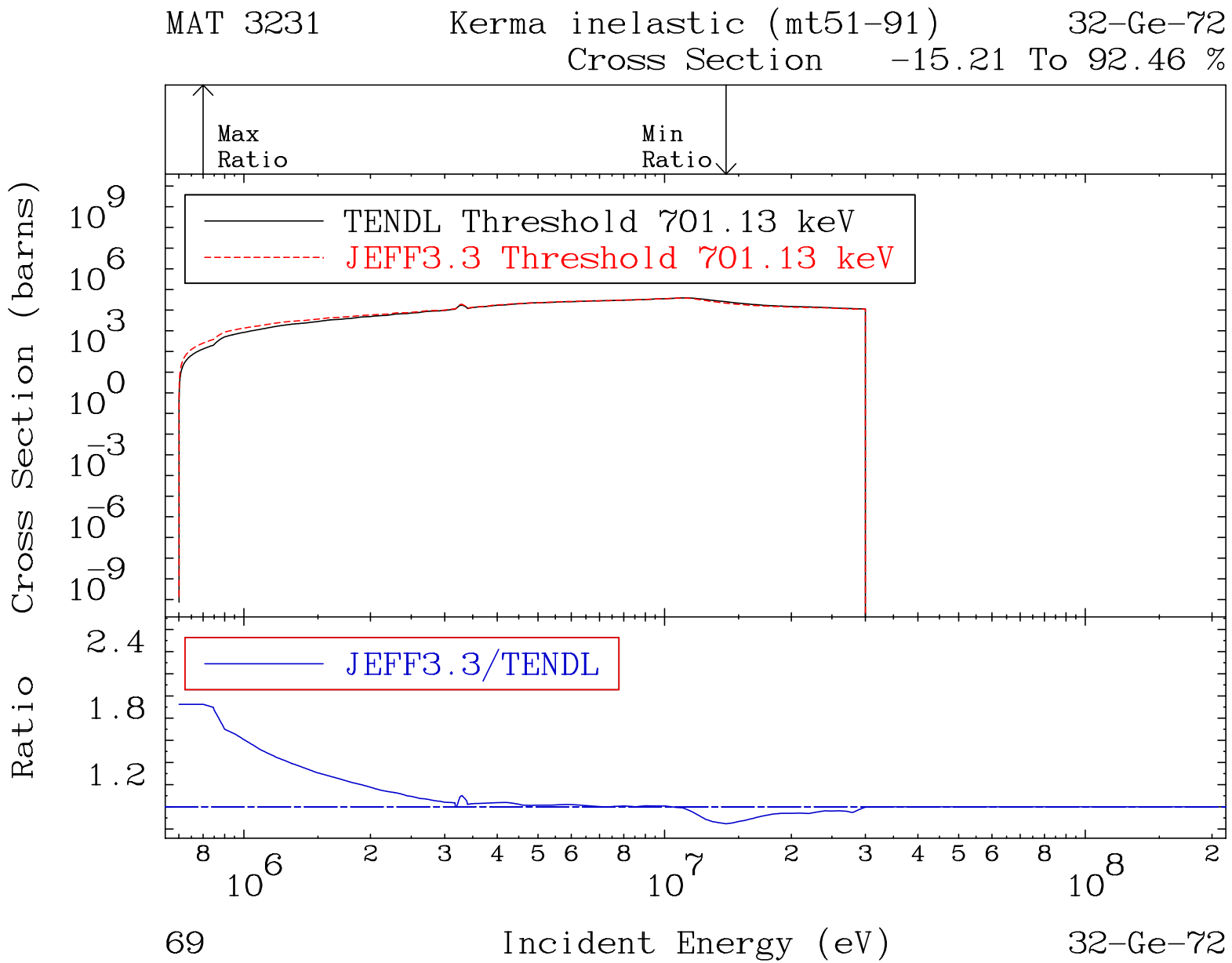

MAT 3231
He-3 Production
Cross Section
32-Ge-72
-100.0 To 0.982 %
Min Ratio
Max Ratio
TENDL Threshold 10.020 MeV
JEFF3.3 Threshold 10.020 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
32-Ge-72

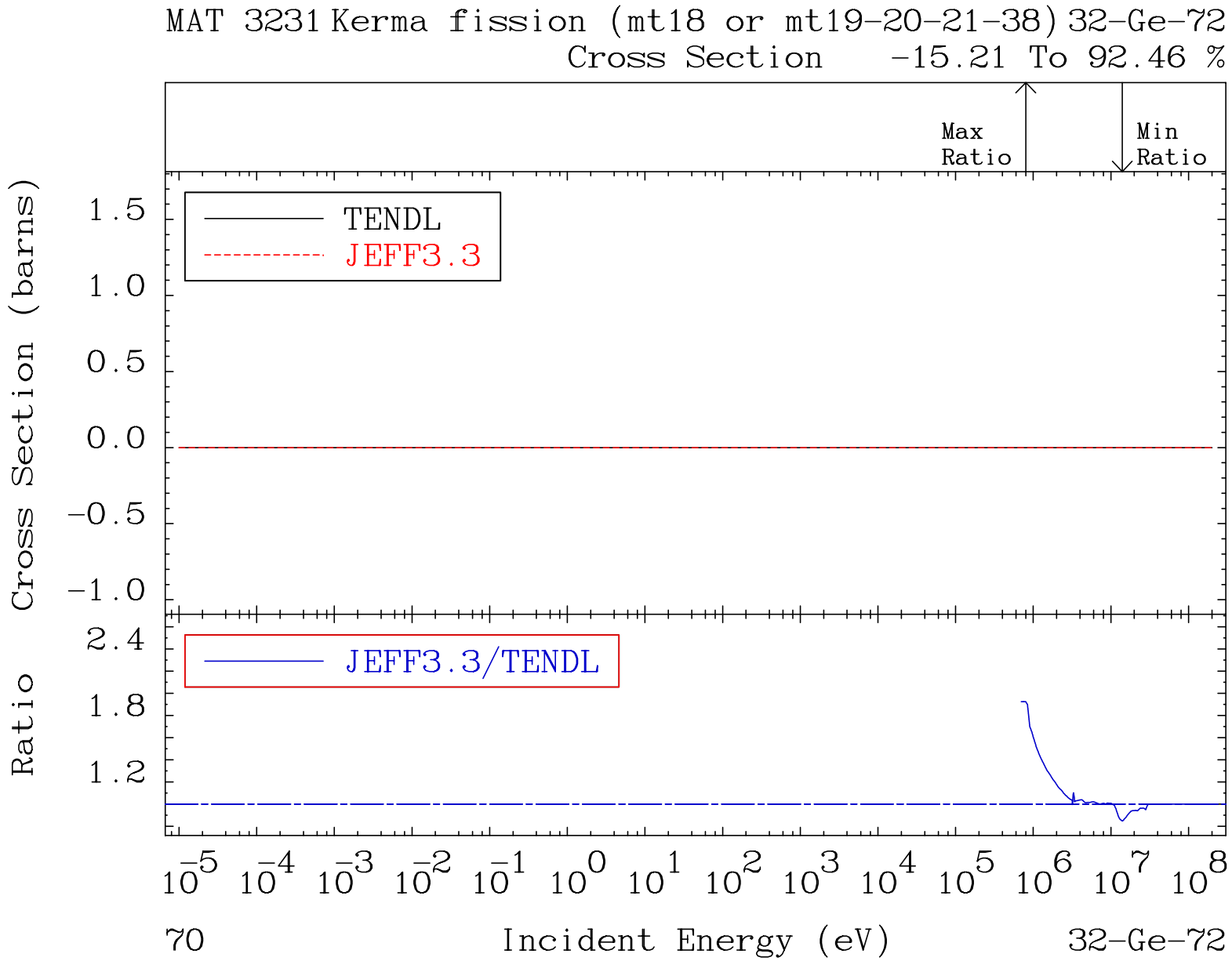

MAT 3231
He-4 Production
Cross Section
32-Ge-72
0.000 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
32-Ge-72

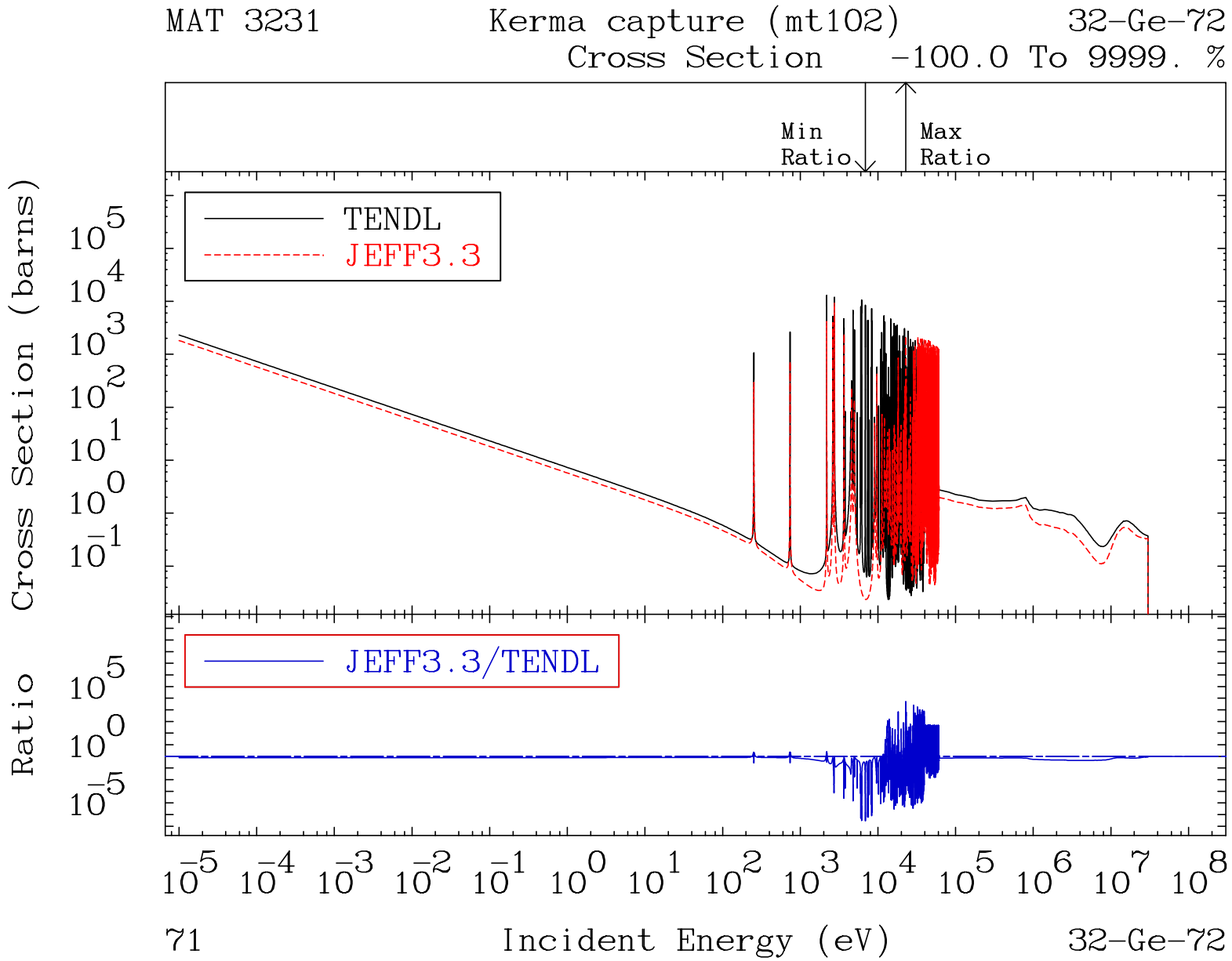

MAT 3231
Kerma total (eV-barns)
32-Ge-72
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
32-Ge-72

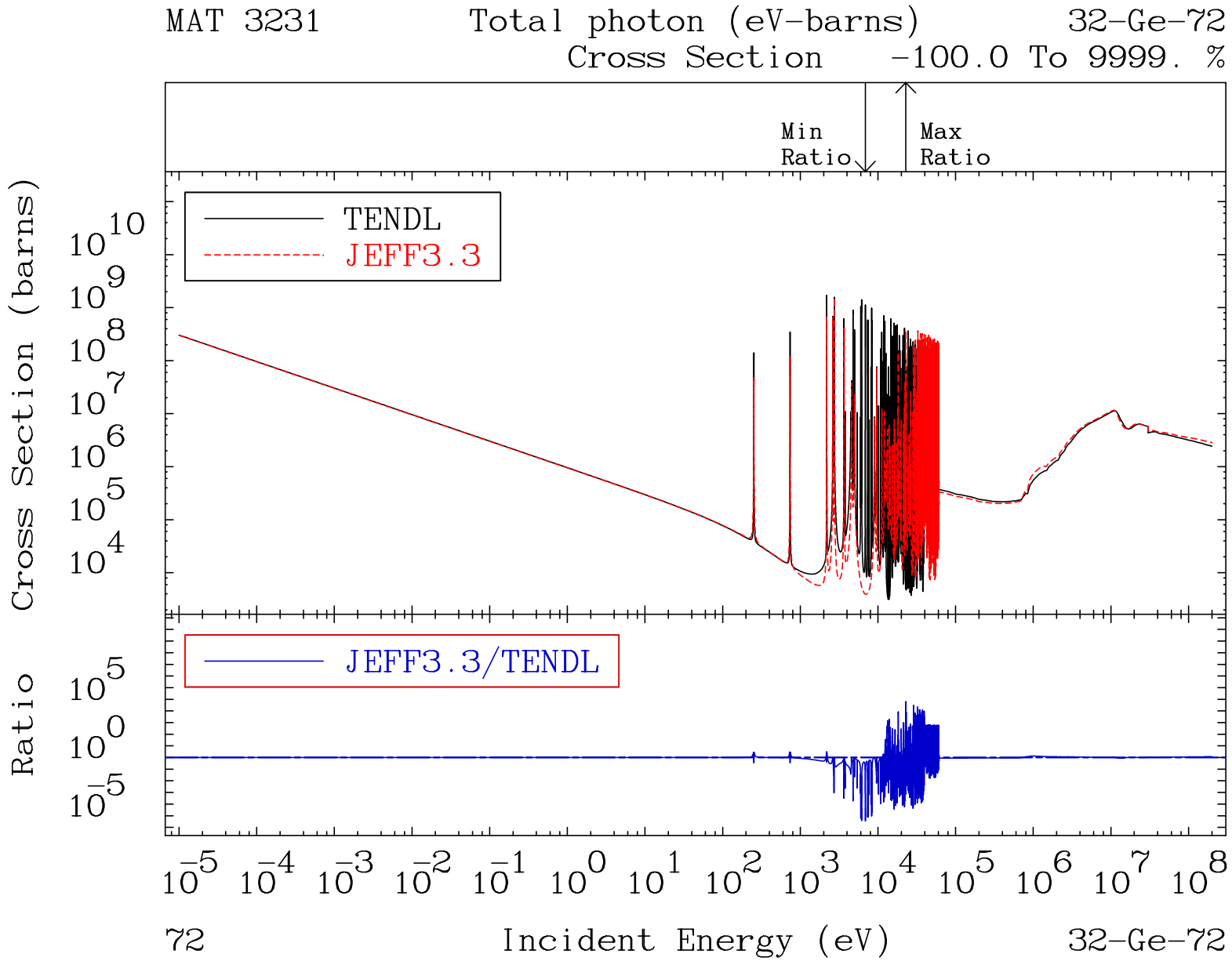

MAT 3231
Kerma elastic
Cross Section
32-Ge-72
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
32-Ge-72

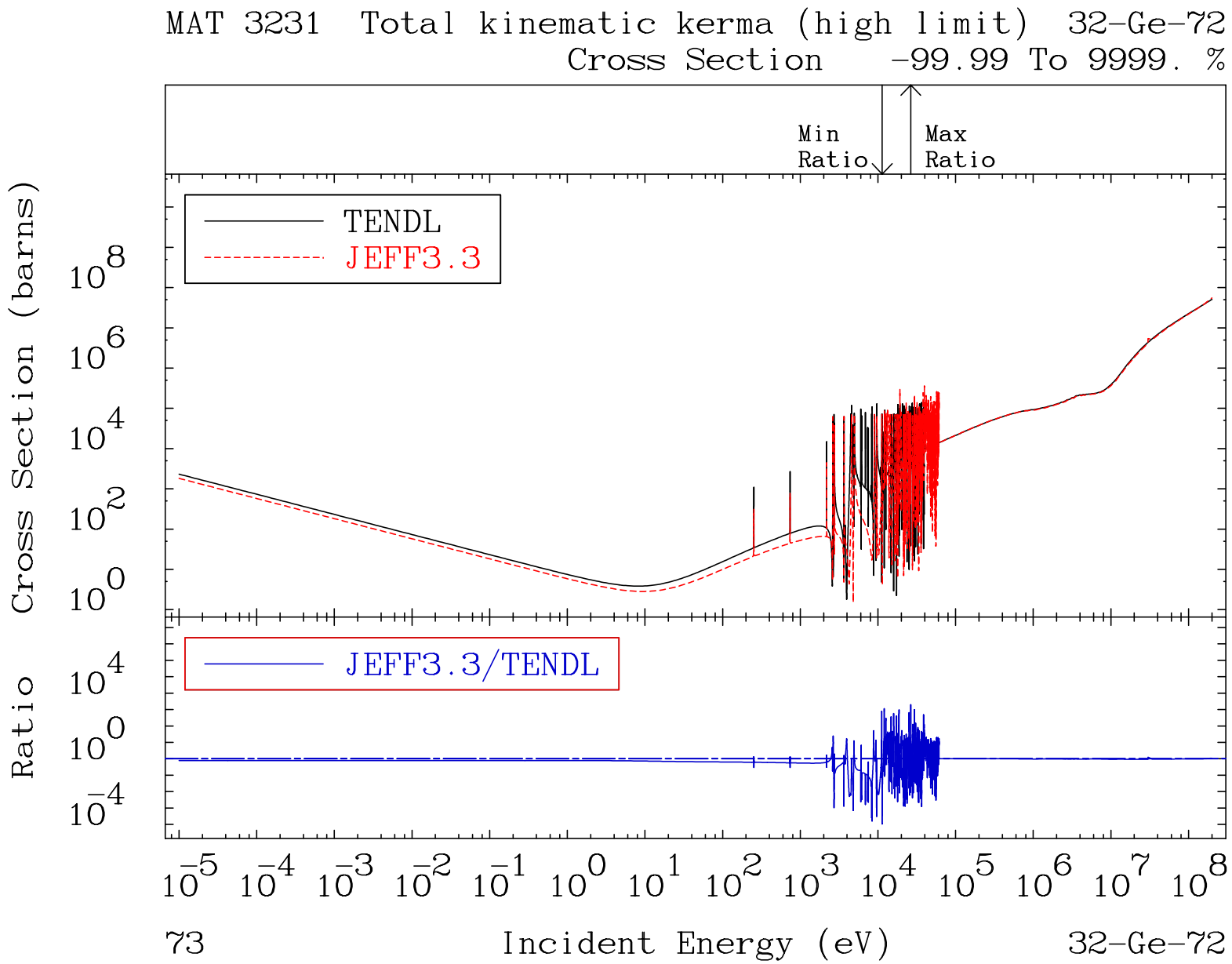

MAT 3231 Kerma non-elastic (all but mt2) 32-Ge-72
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
32-Ge-72

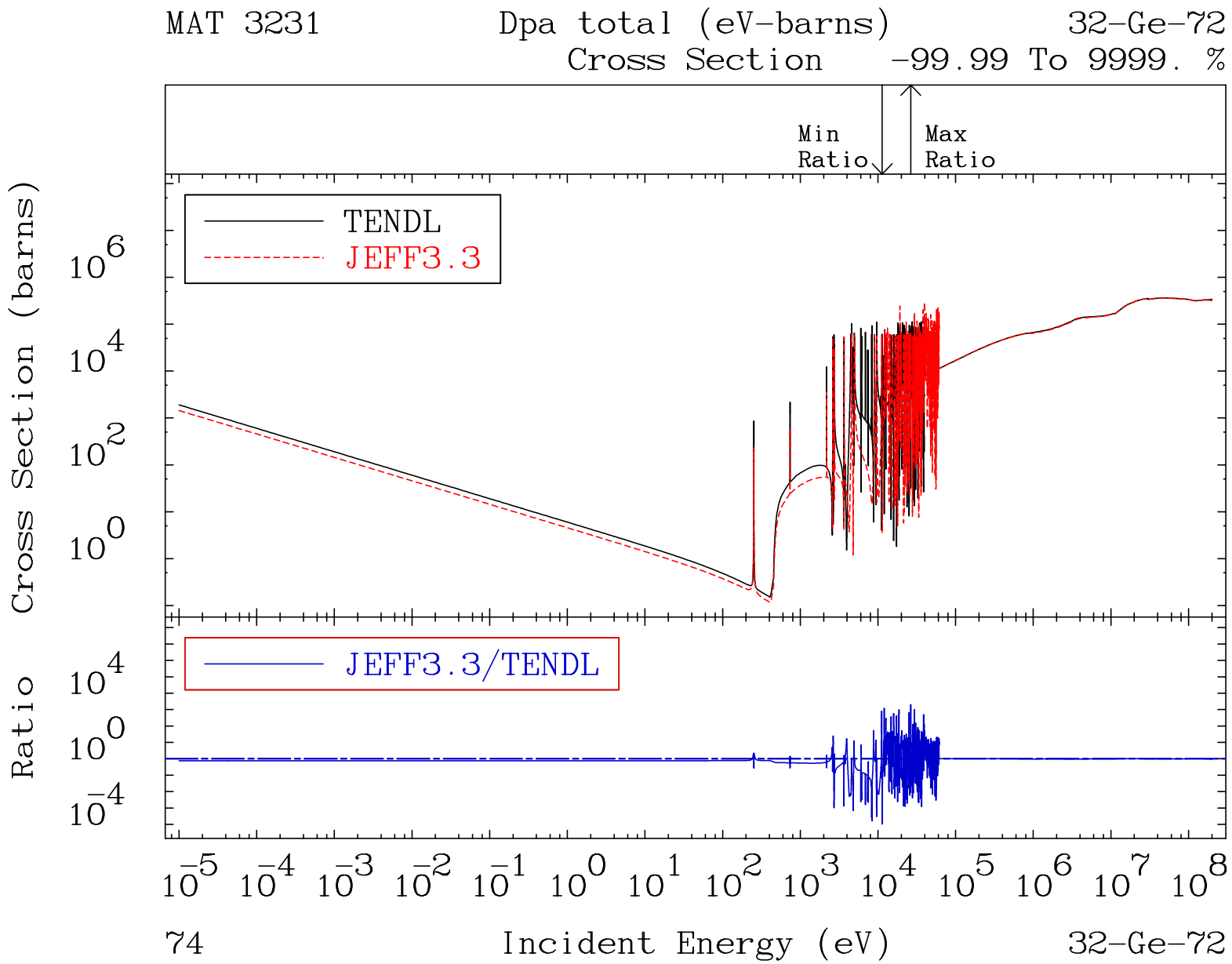

MAT 3231
Kerma inelastic (mt51-91)
32-Ge-72
Cross Section -15.21 To 92.46 %
Max Ratio
Min Ratio
TENDL Threshold 701.13 keV
JEFF3.3 Threshold 701.13 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
32-Ge-72

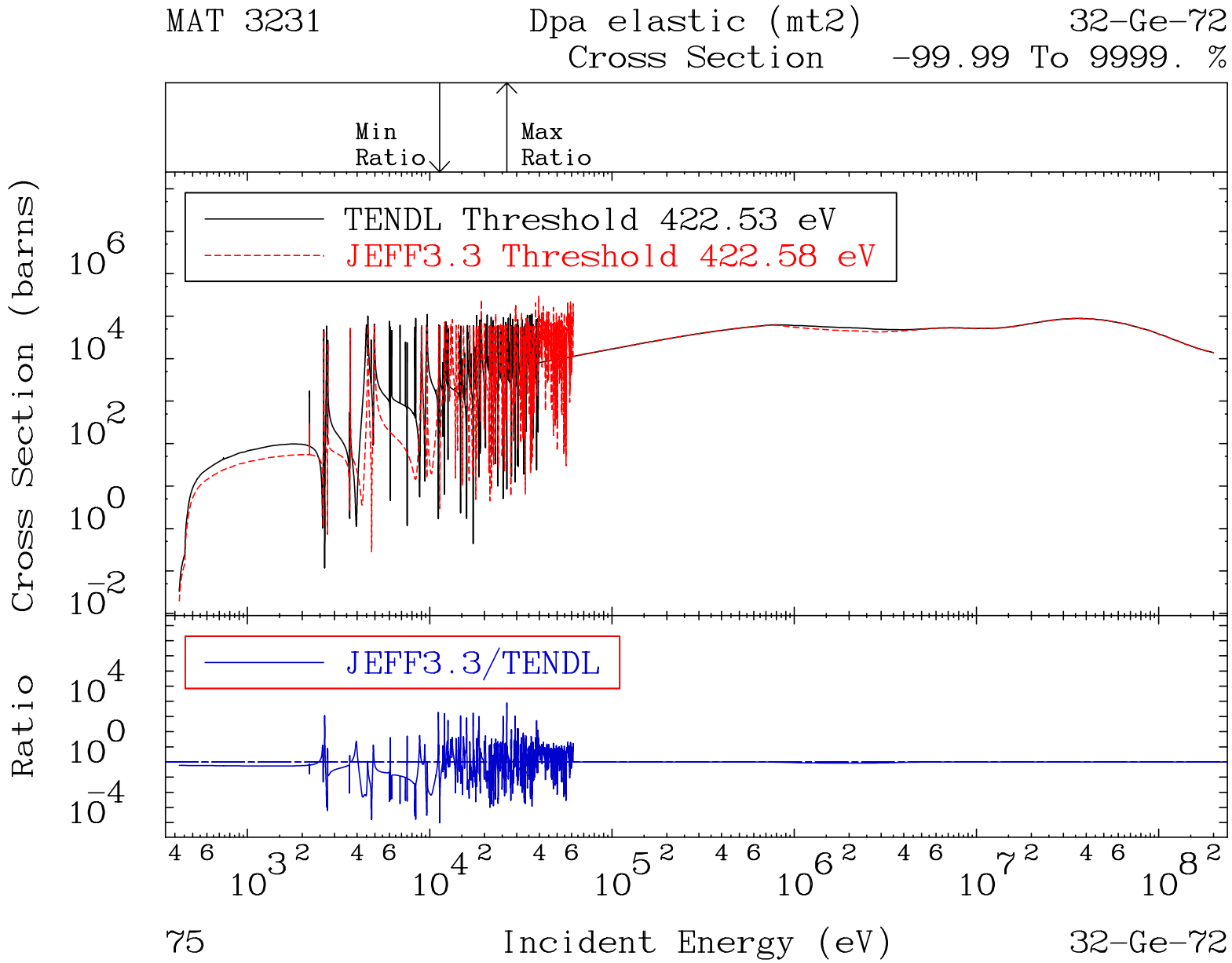

MAT 3231 Kerma fission (mt18 or mt19-20-21-38) 32-Ge-72
Cross Section -15.21 To 92.46 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
2.4
1.8
1.2
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
70
Incident Energy (eV)
32-Ge-72

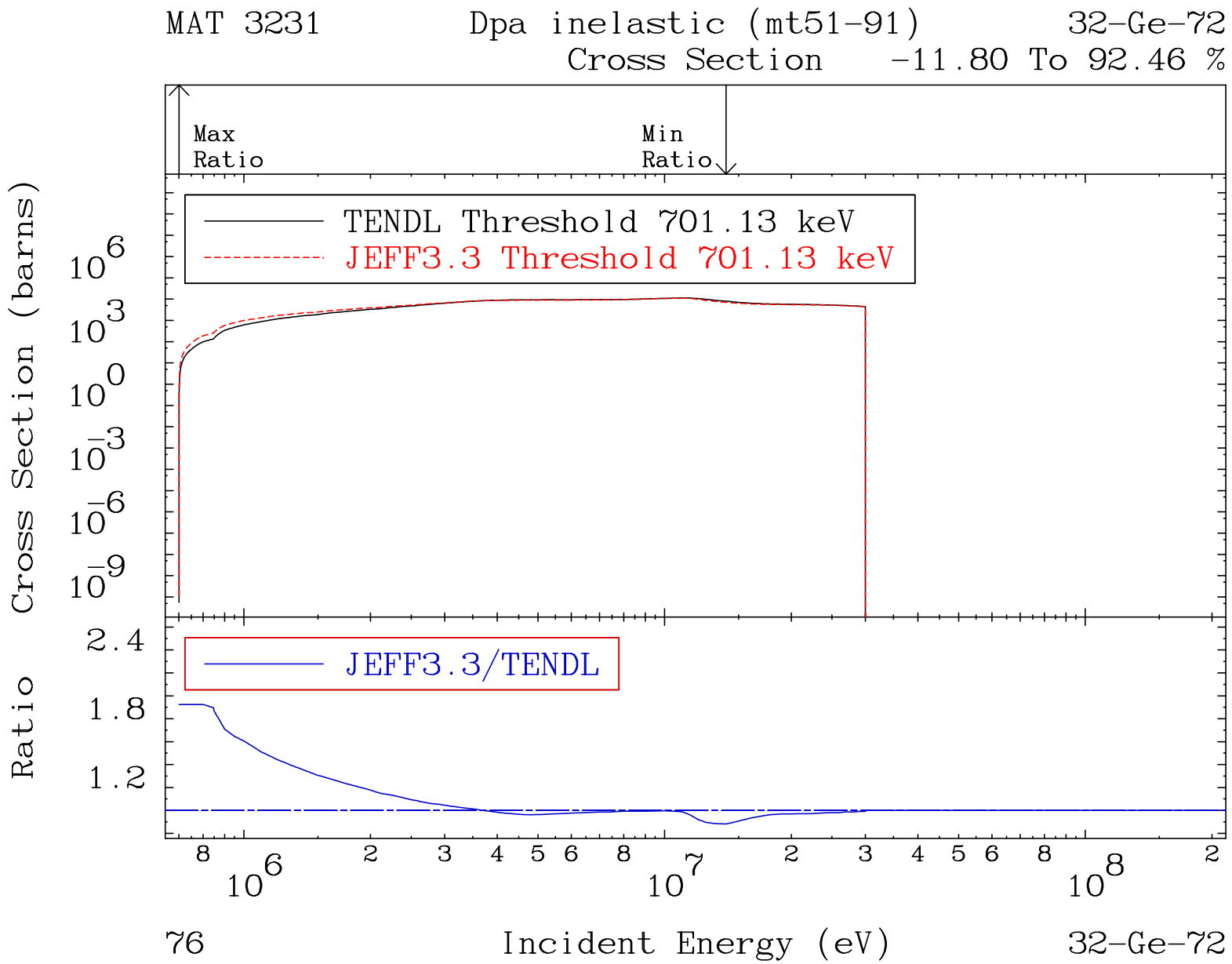

MAT 3231
Kerma capture (mt102)
32-Ge-72
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
32-Ge-72

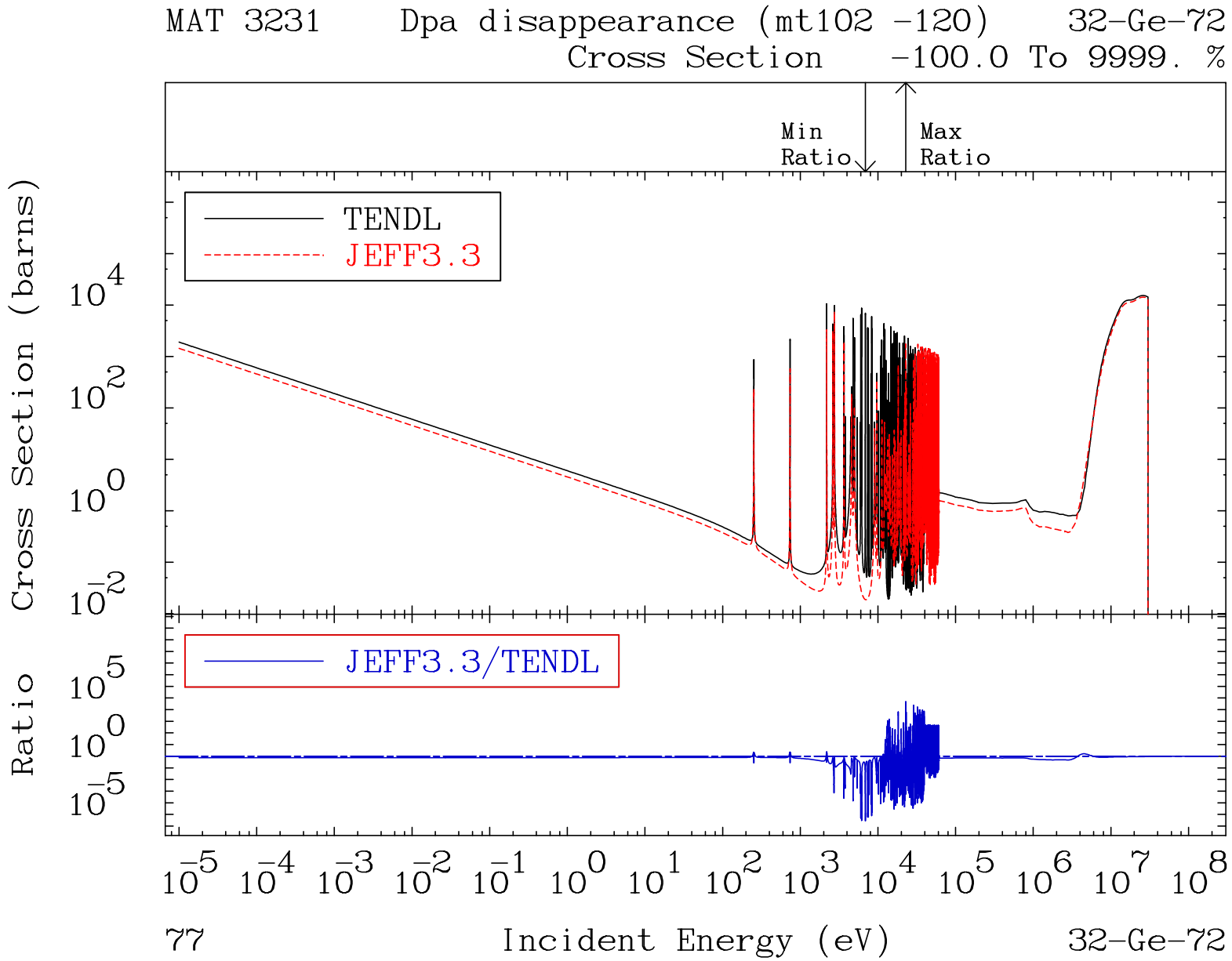

MAT 3231
Total photon (eV-barns)
32-Ge-72
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
32-Ge-72

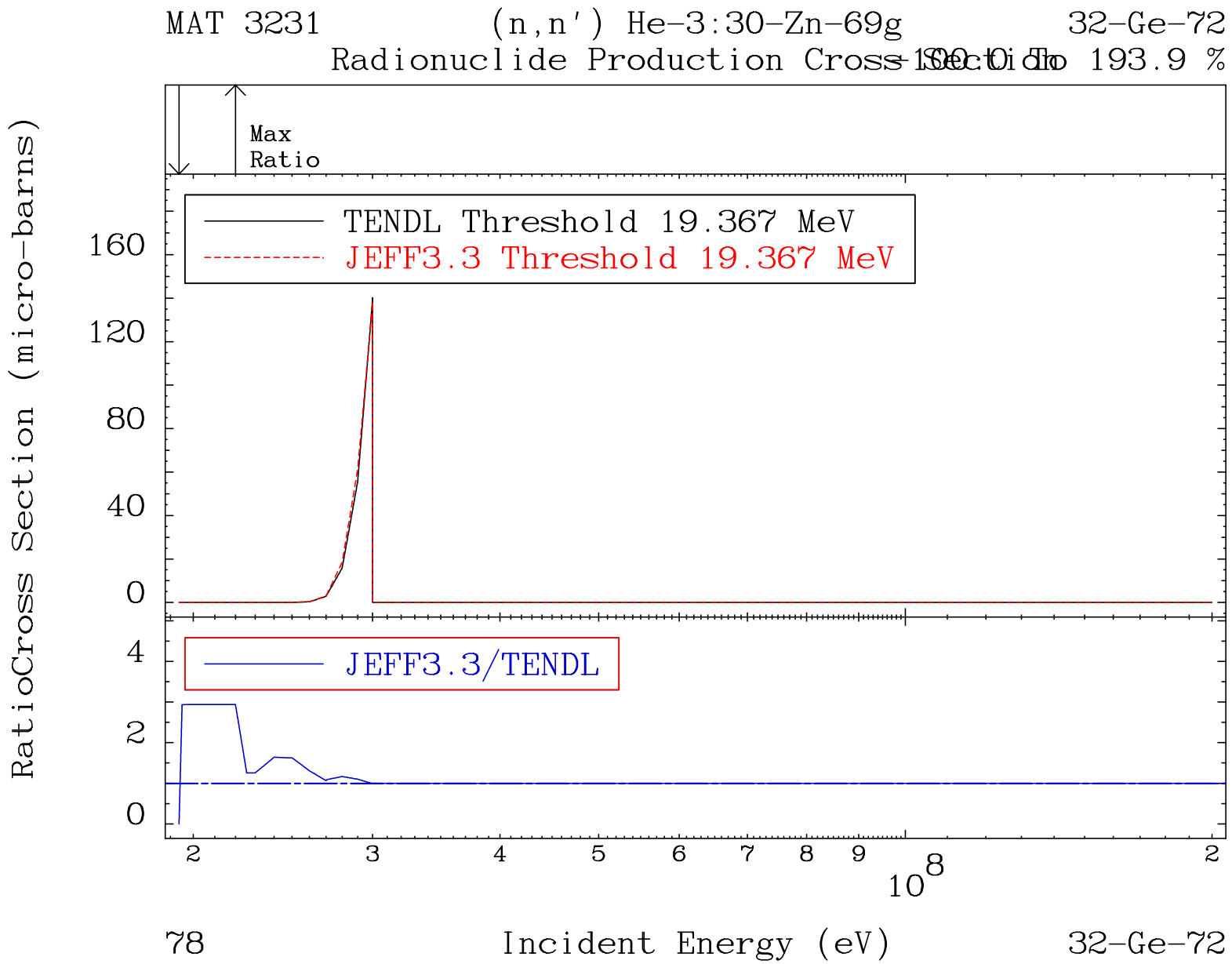

MAT 3231 Total kinematic kerma (high limit) 32-Ge-72
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
32-Ge-72

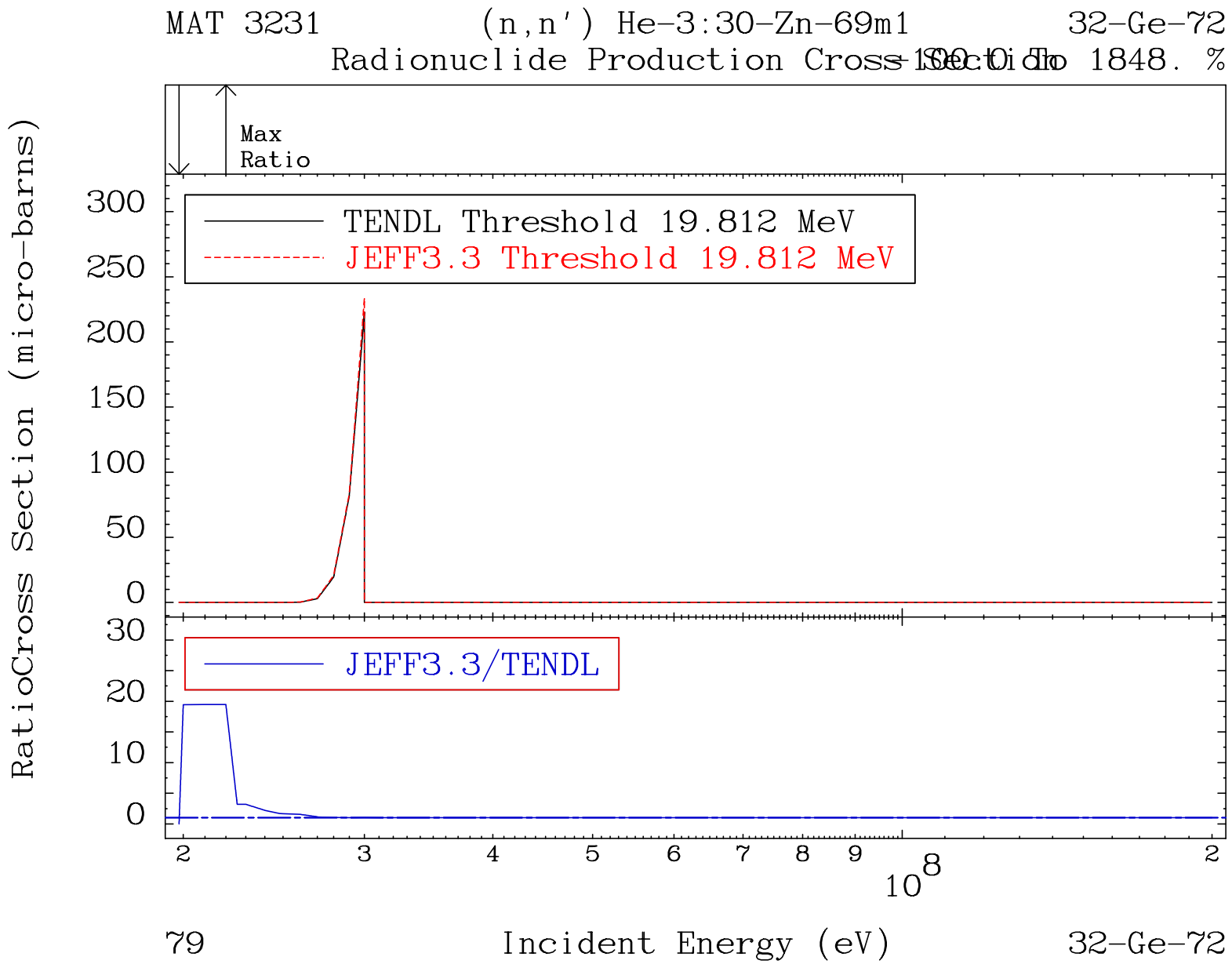

MAT 3231
Dpa total (eV-barns)
32-Ge-72
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
32-Ge-72

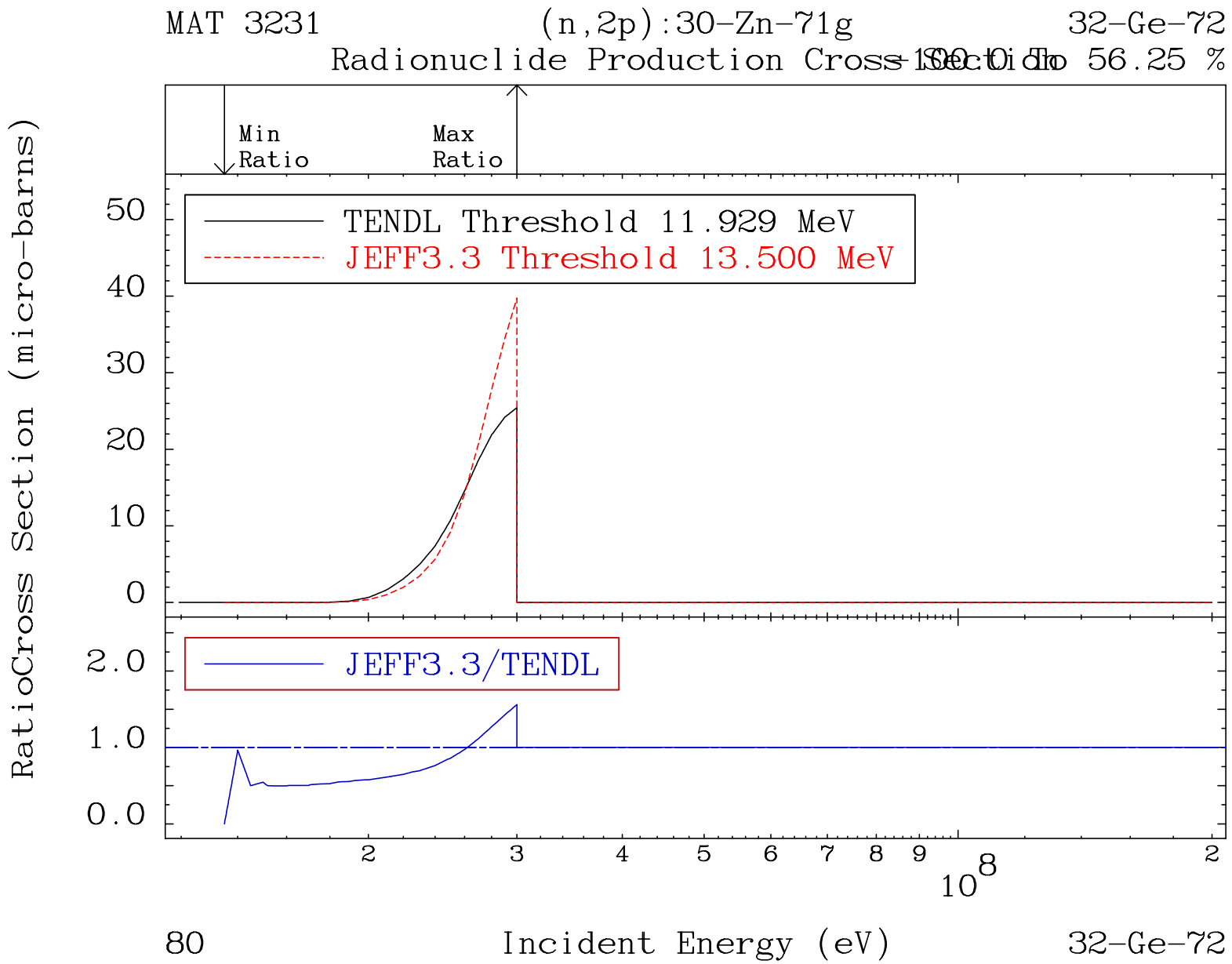

MAT 3231
Dpa elastic (mt2)
Cross Section
32-Ge-72
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 422.53 eV
JEFF3.3 Threshold 422.58 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
32-Ge-72

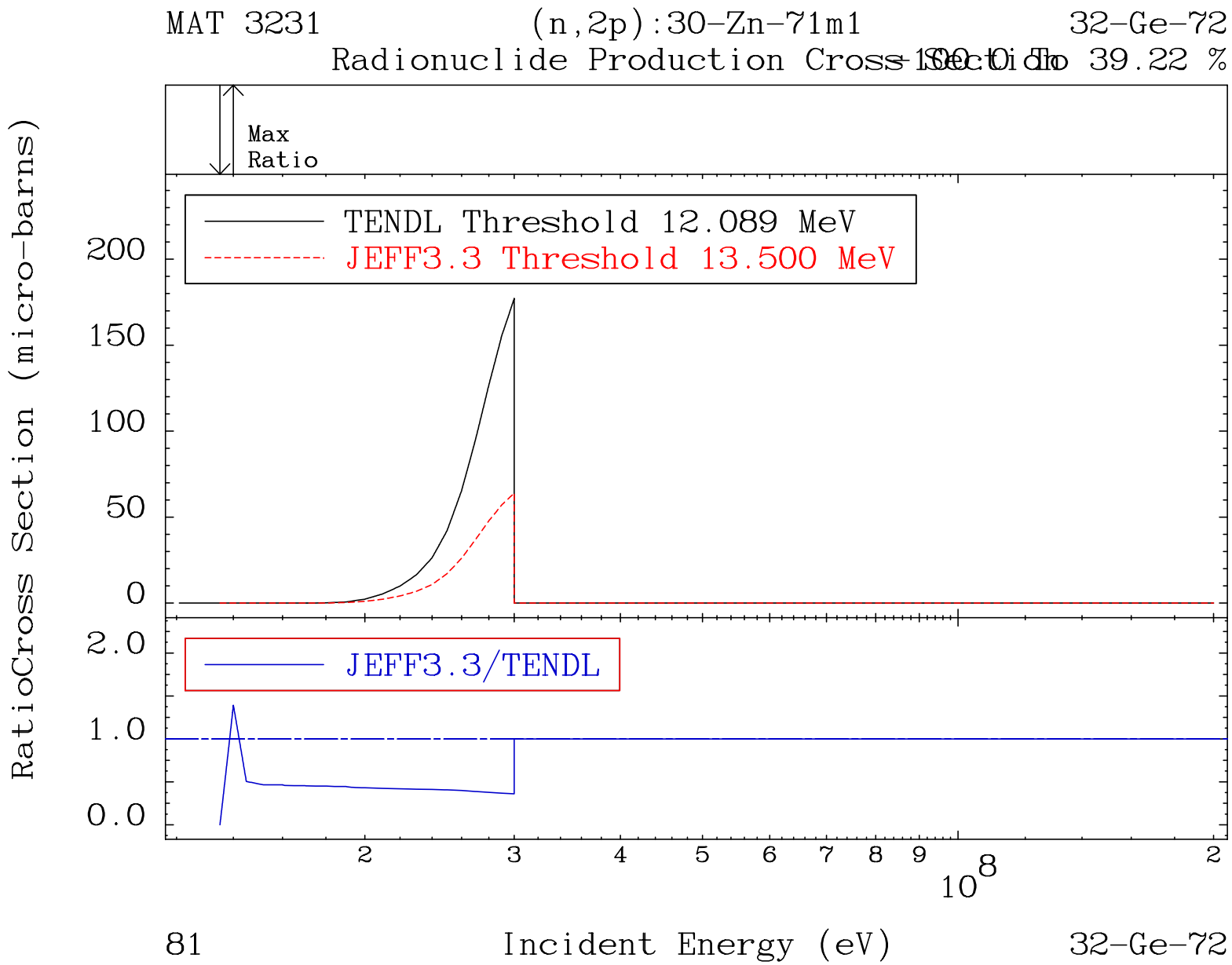

MAT 3231
Dpa inelastic (mt51-91)
32-Ge-72
Cross Section -11.80 To 92.46 %
Max Ratio
Min Ratio
TENDL Threshold 701.13 keV
JEFF3.3 Threshold 701.13 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
32-Ge-72

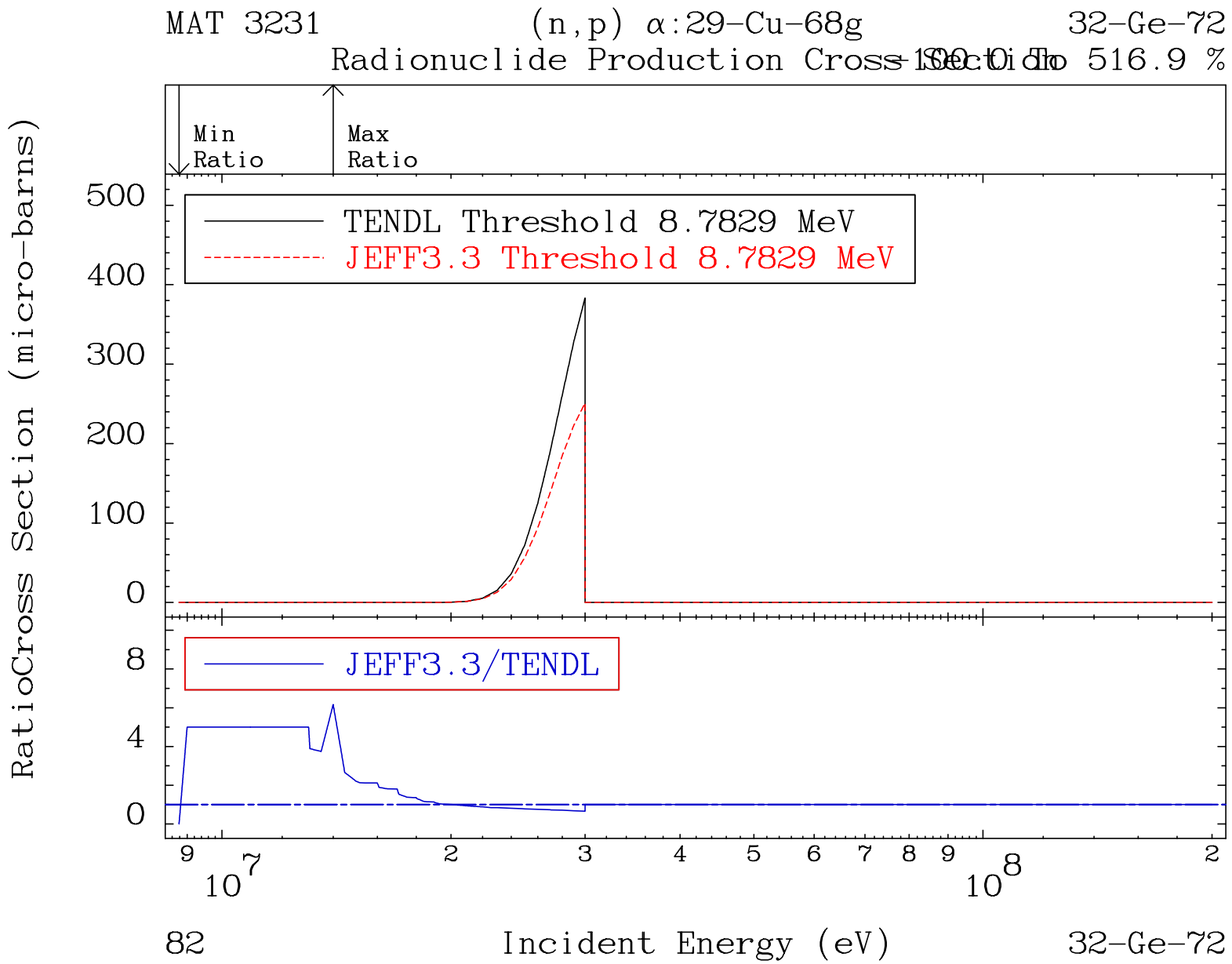

MAT 3231 Dpa disappearance (mt102 -120) 32-Ge-72
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
32-Ge-72

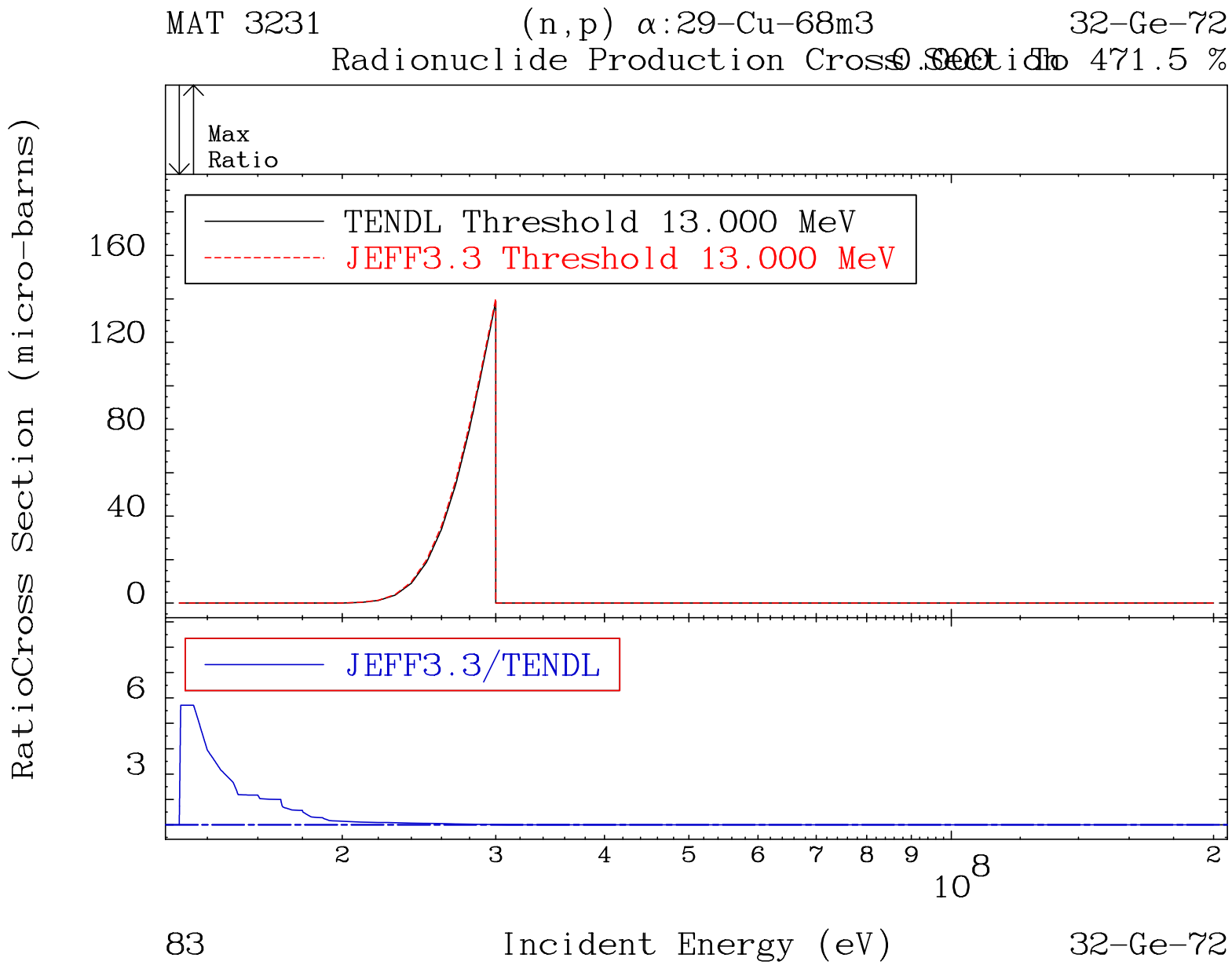

MAT 3231
(n,n') He-3:30-Zn-69g
32-Ge-72
Radionuclide Production Cross Section To 193.9 %
Max
Ratio
TENDL Threshold 19.367 MeV
JEFF3.3 Threshold 19.367 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
32-Ge-72

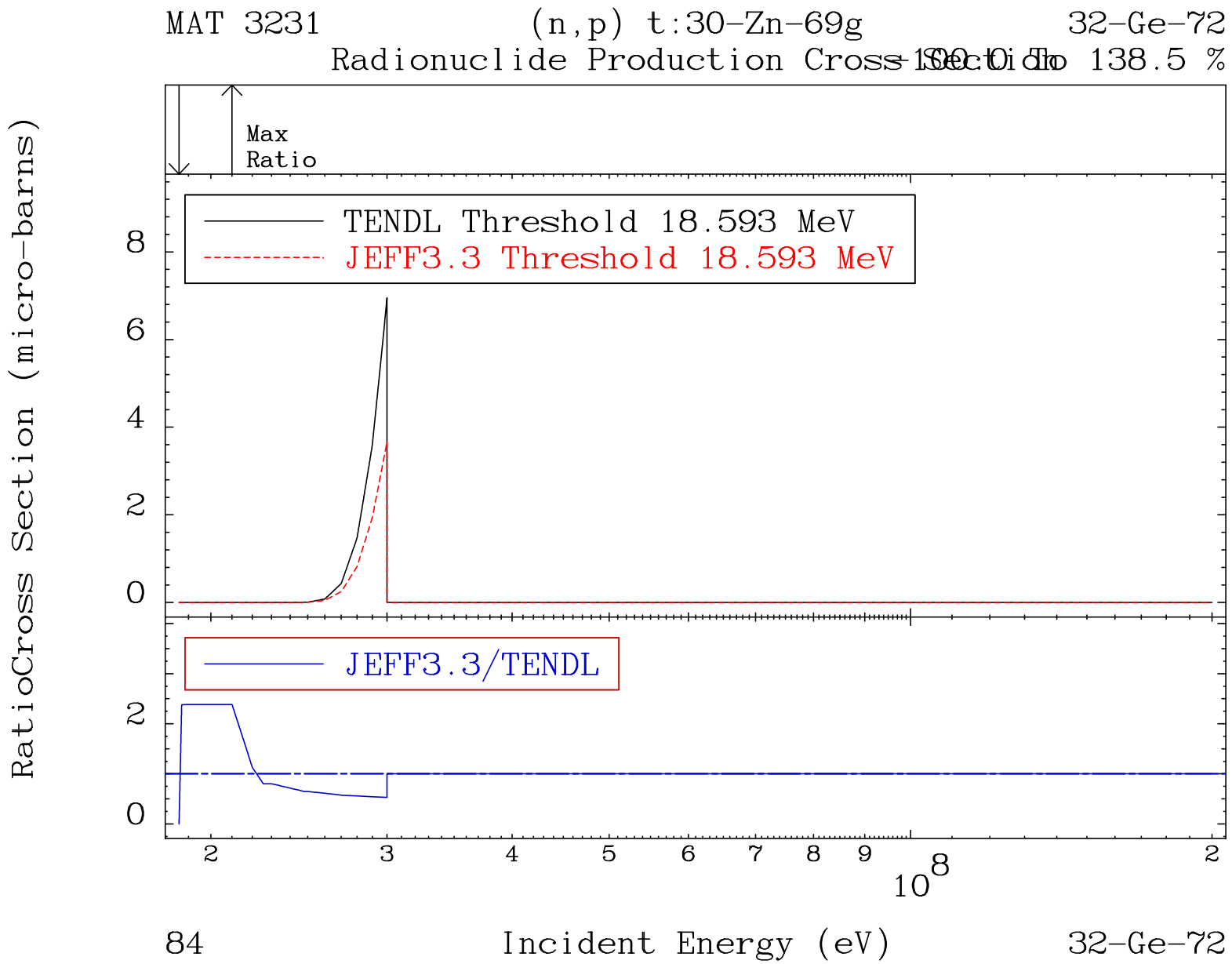

MAT 3231
(n,n') He-3:30-Zn-69m1
32-Ge-72
Radionuclide Production Cross Section To 1848. %
Max
Ratio
TENDL Threshold 19.812 MeV
JEFF3.3 Threshold 19.812 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
30
20
10
0
2
3
4
5
6
7
8
9
2
10^8
79
Incident Energy (eV)
32-Ge-72

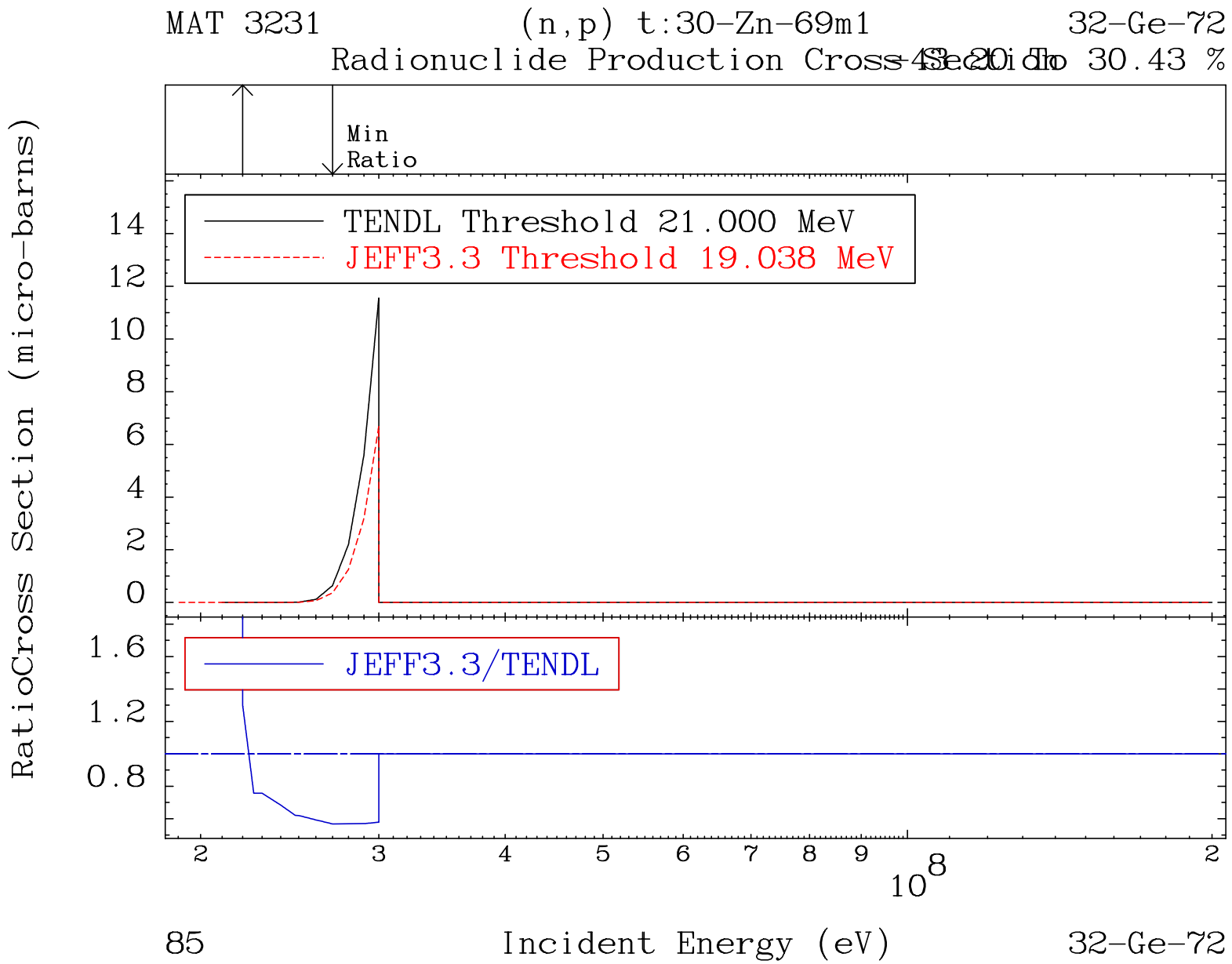

MAT 3231
(n,2p):30-Zn-71g
32-Ge-72
Radionuclide Production Cross Section To 56.25 %
Min Ratio
Max Ratio
TENDL Threshold 11.929 MeV
JEFF3.3 Threshold 13.500 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
80
32-Ge-72


MAT 3231
(n,2p):30-Zn-71m1
32-Ge-72
Radionuclide Production Cross Section To 39.22 %
Max
Ratio
TENDL Threshold 12.089 MeV
JEFF3.3 Threshold 13.500 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
32-Ge-72


MAT 3231
(n,p) α:29-Cu-68g
32-Ge-72
Radionuclide Production Cross Section To
Min Ratio
Max Ratio
TENDL Threshold 8.7829 MeV
JEFF3.3 Threshold 8.7829 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
82
32-Ge-72


MAT 3231
(n,p) α:29-Cu-68m3
32-Ge-72
Radionuclide Production Cross Section
0.000 To 471.5 %
Max
Ratio
TENDL Threshold 13.000 MeV
JEFF3.3 Threshold 13.000 MeV
160
120
80
40
0
JEFF3.3/TENDL
6
3
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (micro-barns)
83
Incident Energy (eV)
32-Ge-72


MAT 3231
(n,p) t:30-Zn-69g
32-Ge-72
Radionuclide Production Cross Section To 138.5 %
Max
Ratio
TENDL Threshold 18.593 MeV
JEFF3.3 Threshold 18.593 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
2
4
6
8
0
2
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
32-Ge-72


MAT 3231
(n,p) t:30-Zn-69m1
32-Ge-72
Radionuclide Production Cross-Section To 30.43 %
Min
Ratio
TENDL Threshold 21.000 MeV
JEFF3.3 Threshold 19.038 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
14
12
10
8
6
4
2
0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
32-Ge-72