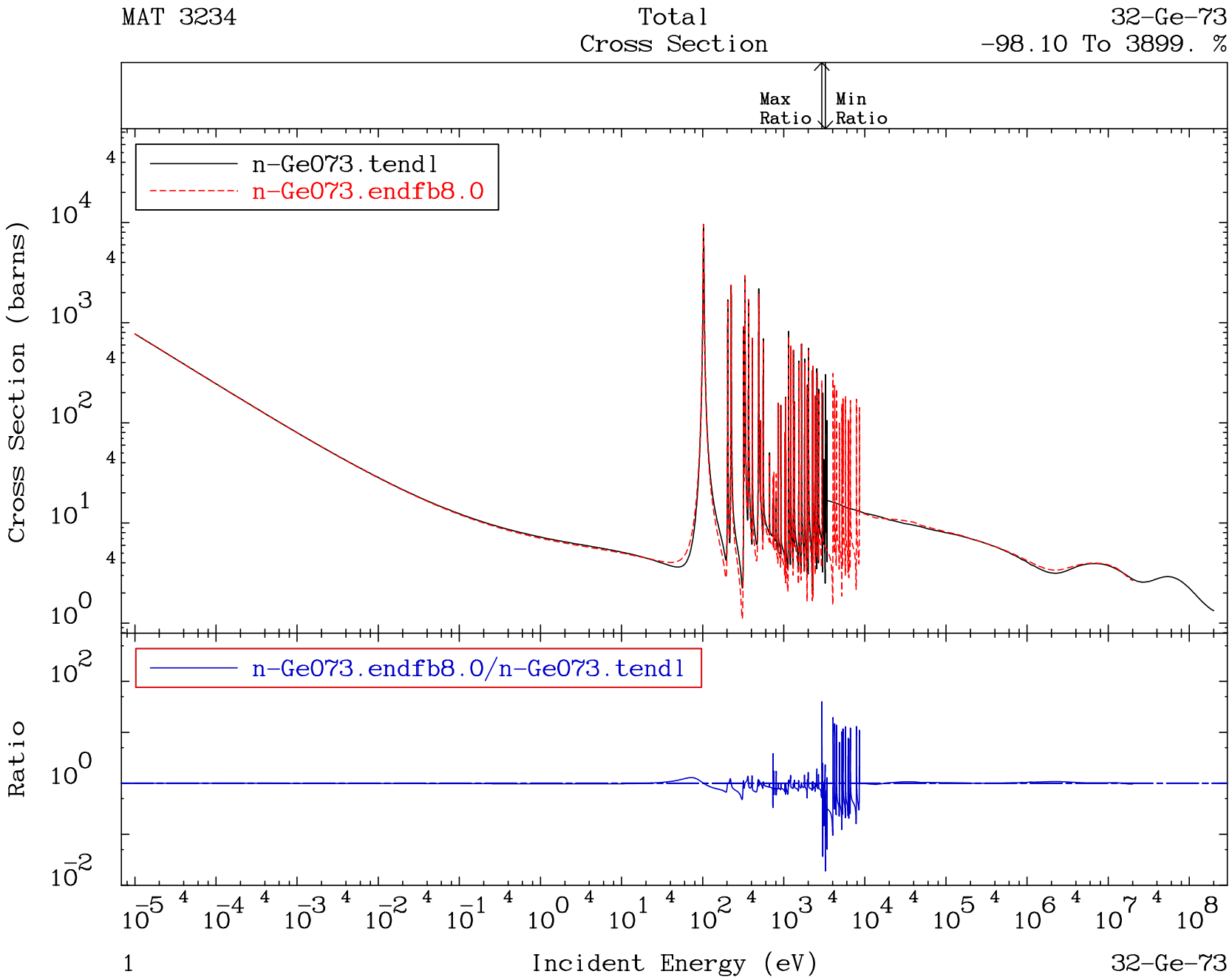
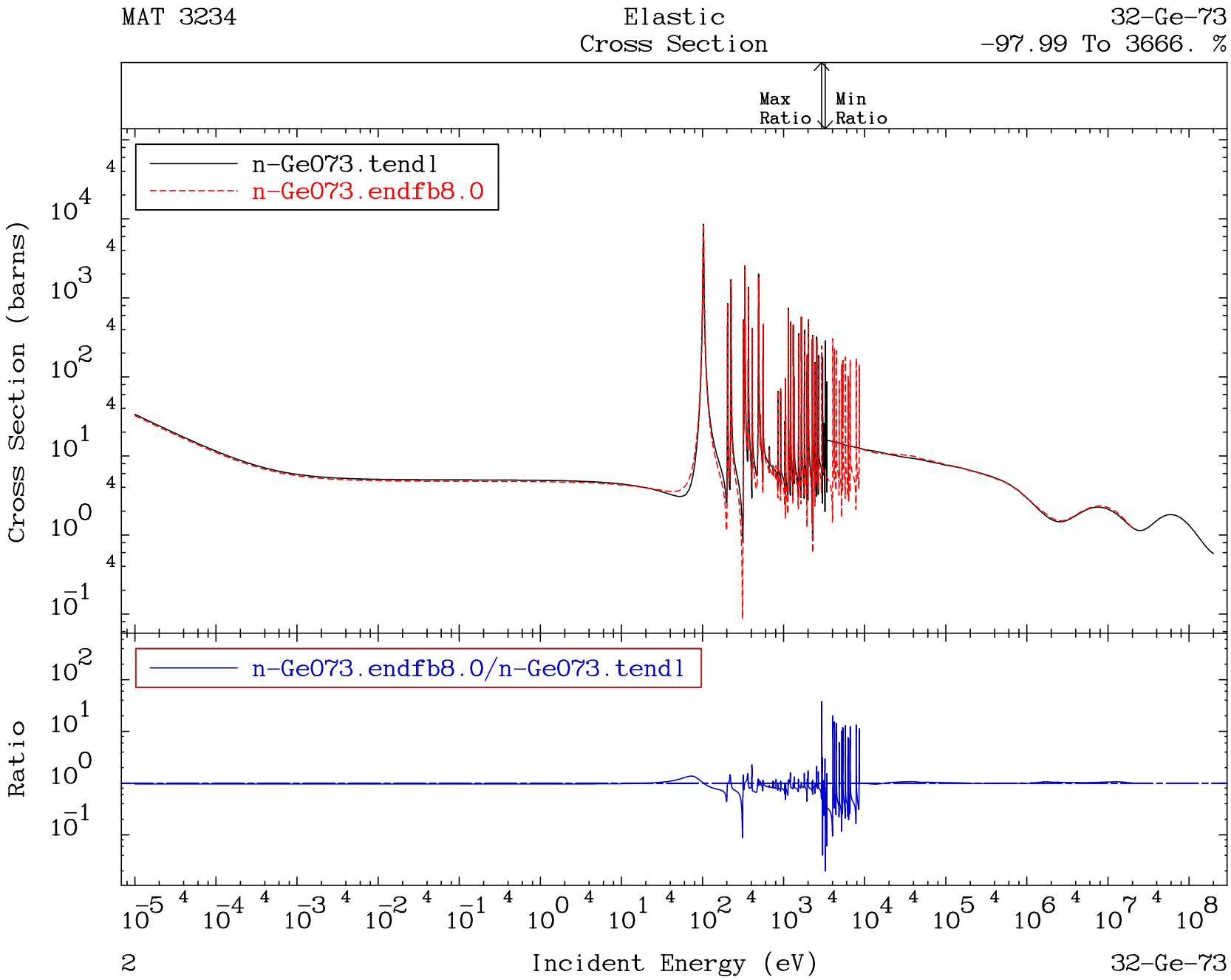
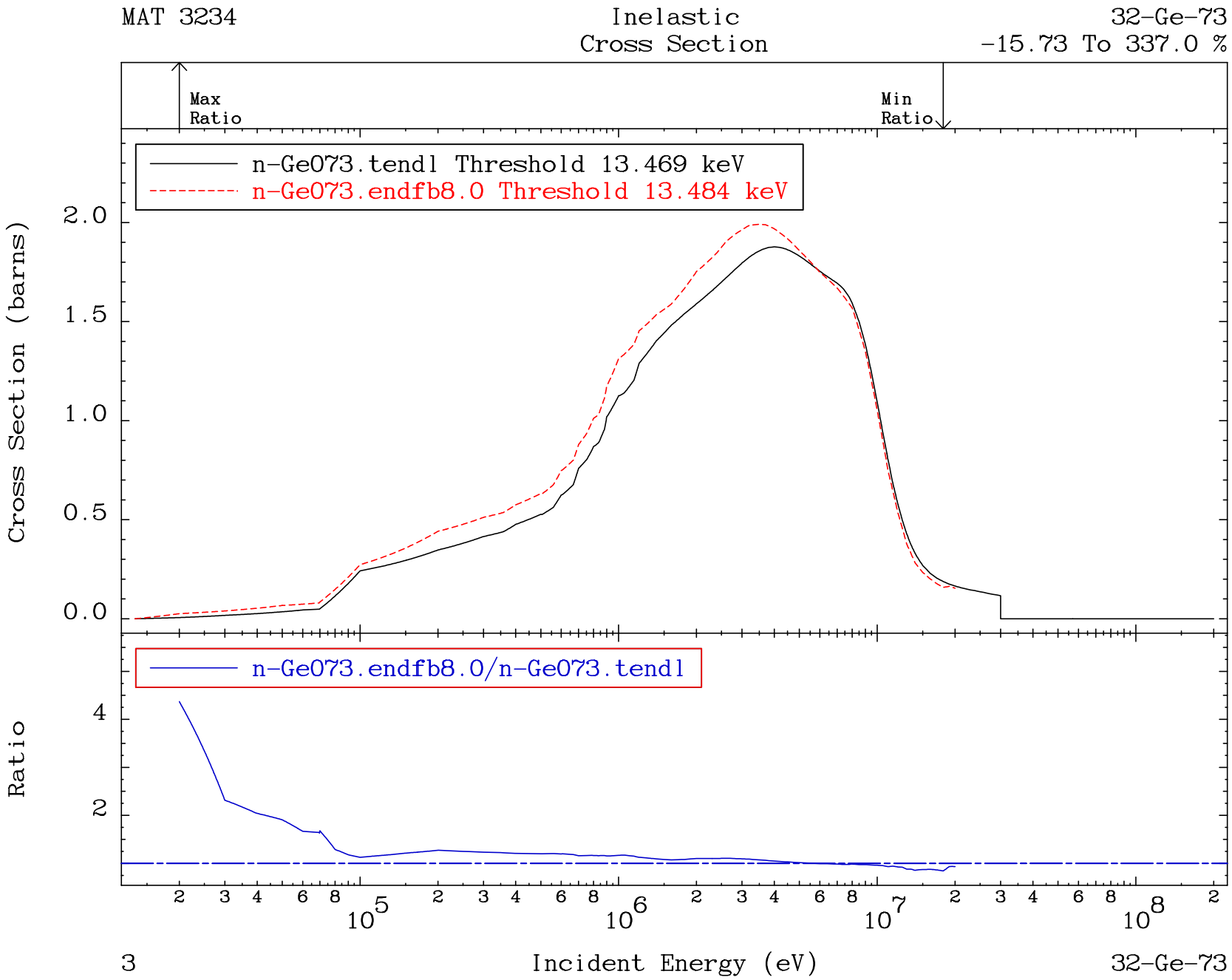
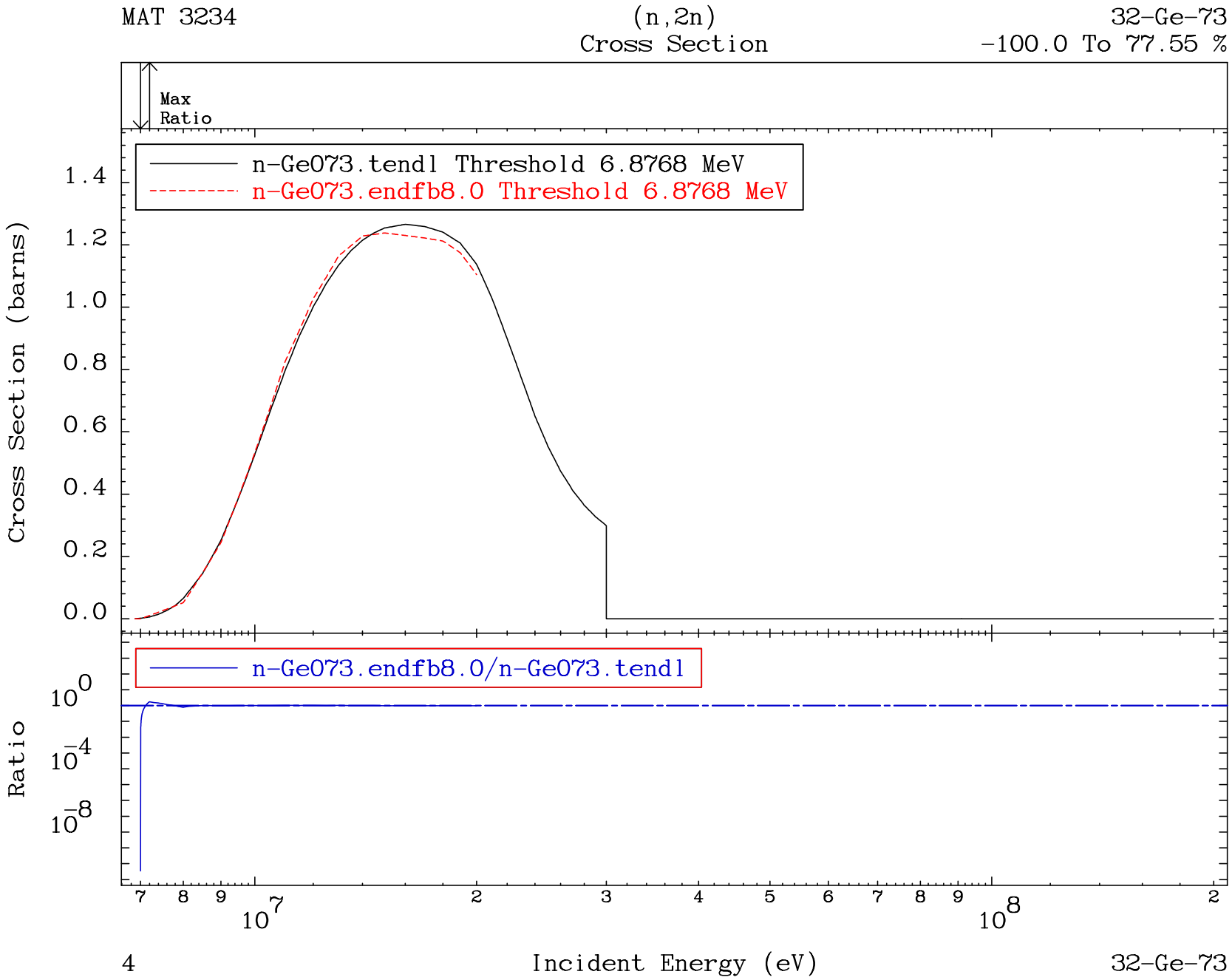
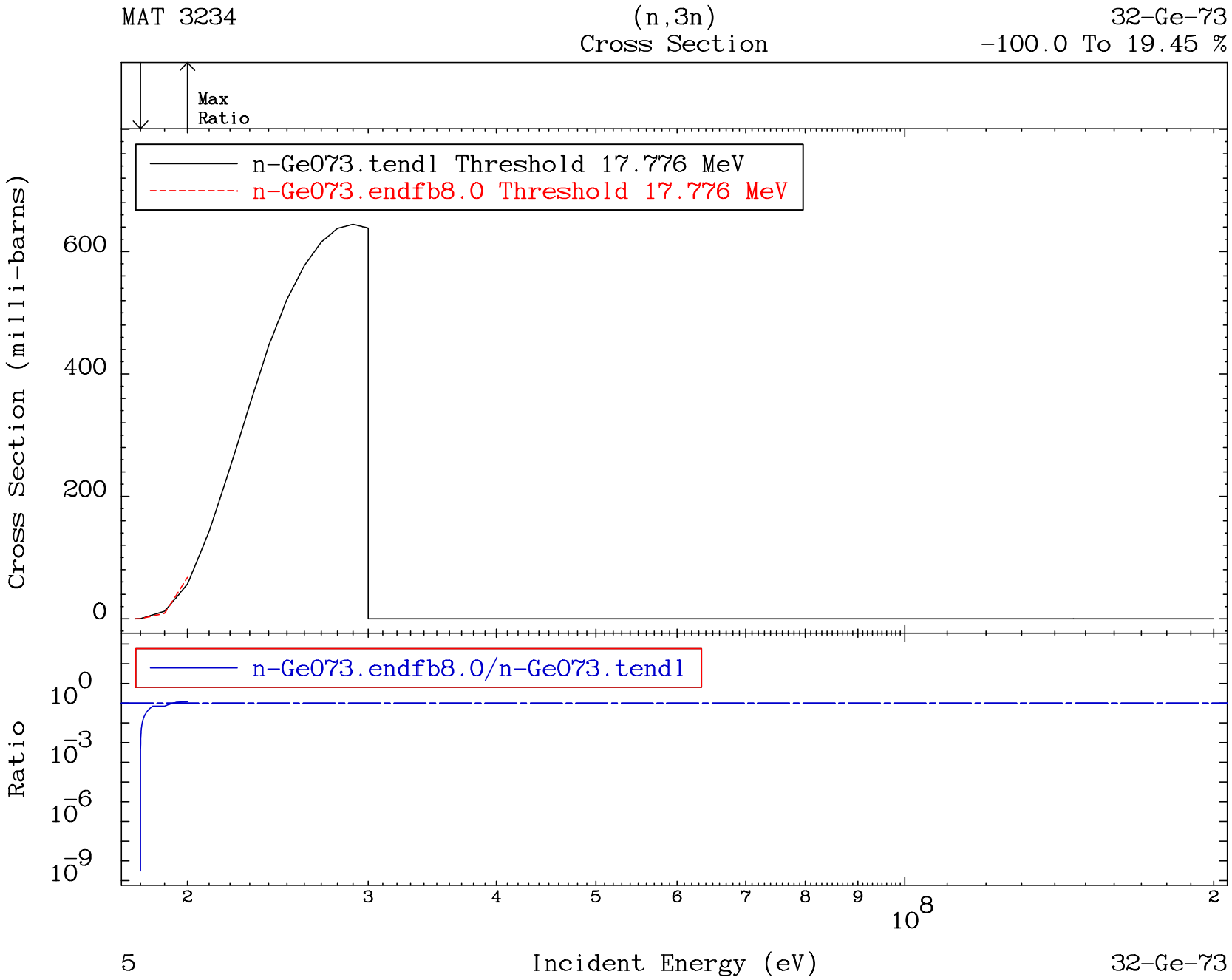
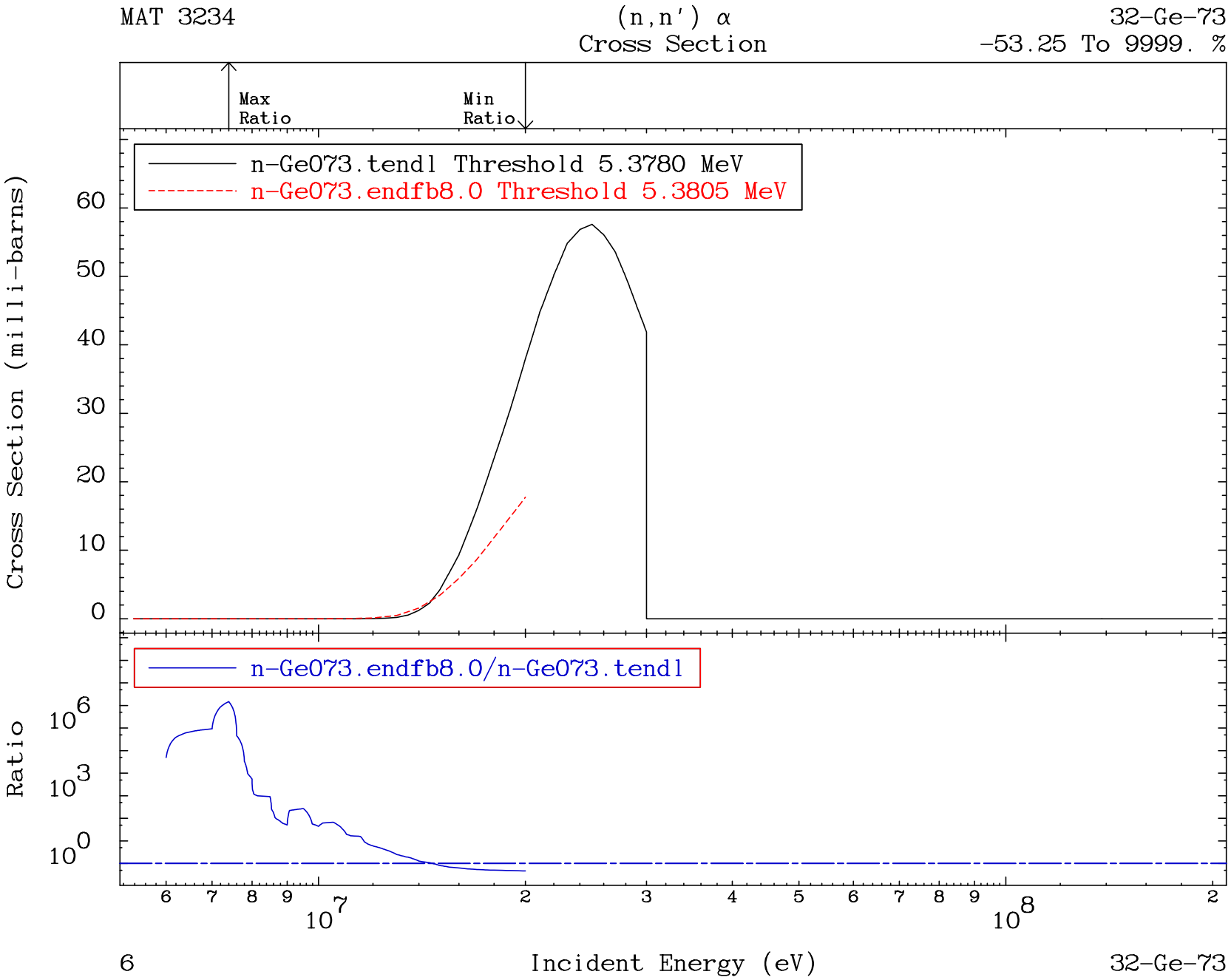

MAT 3234
Total
Cross Section
32-Ge-73
-98.10 To 3899. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
1
32-Ge-73

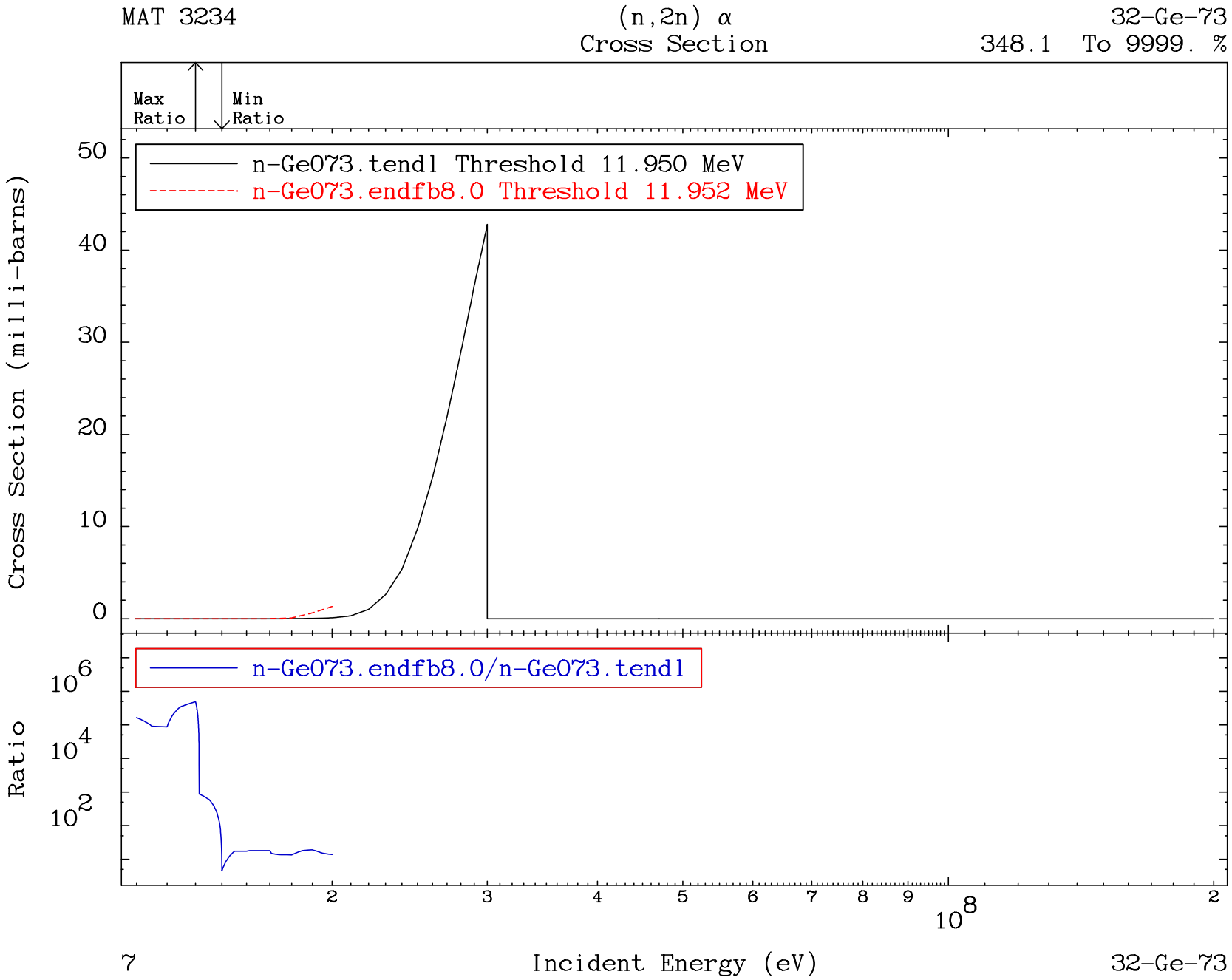

MAT 3234
Elastic
Cross Section
32-Ge-73
-97.99 To 3666. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
2
32-Ge-73

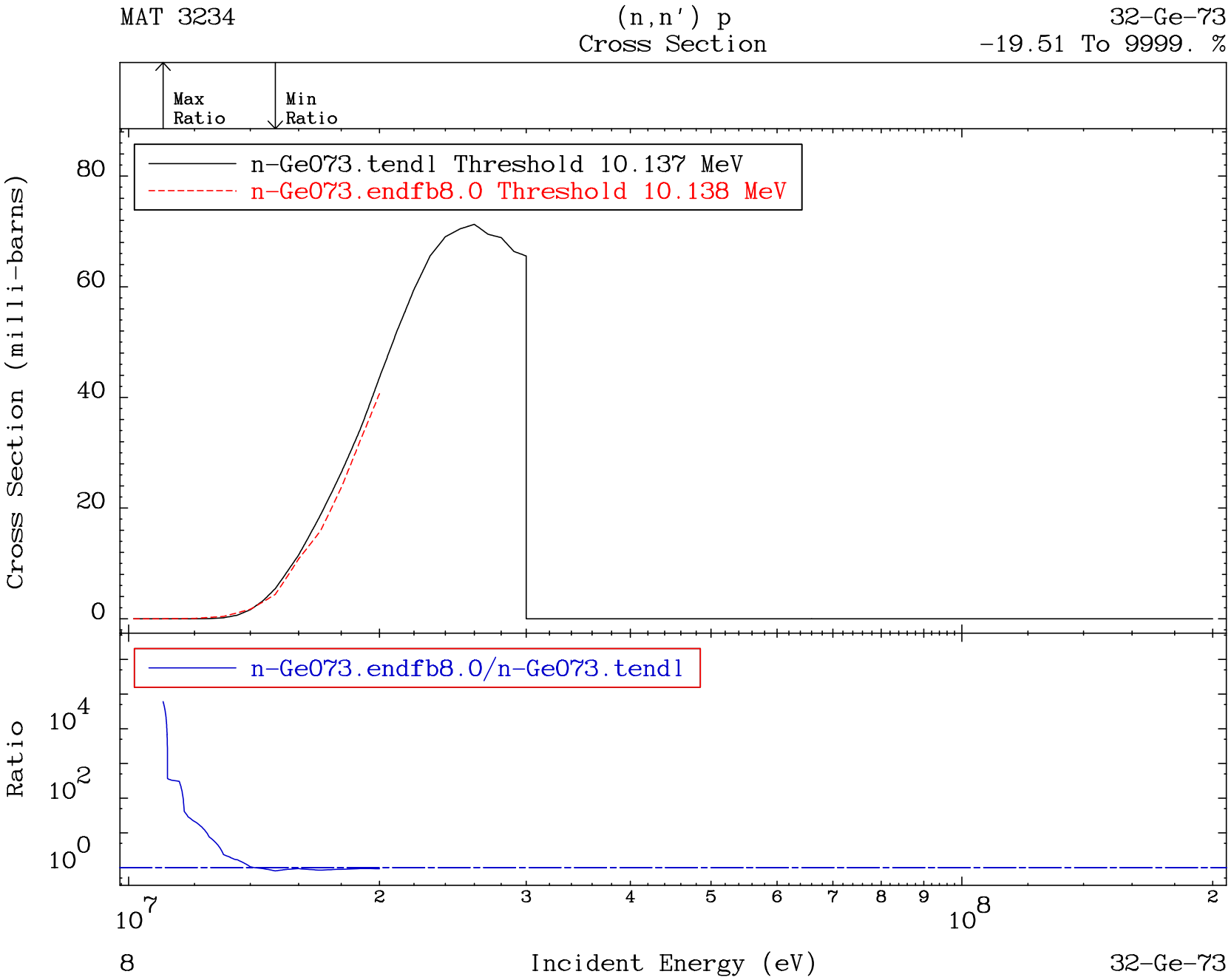

MAT 3234
Inelastic
Cross Section
32-Ge-73
-15.73 To 337.0 %
Max
Ratio
Min
Ratio
n-Ge073.tendl Threshold 13.469 keV
n-Ge073.endfb8.0 Threshold 13.484 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
4
2
2 3 4 6 8 10^5 2 3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
3
Incident Energy (eV)
32-Ge-73

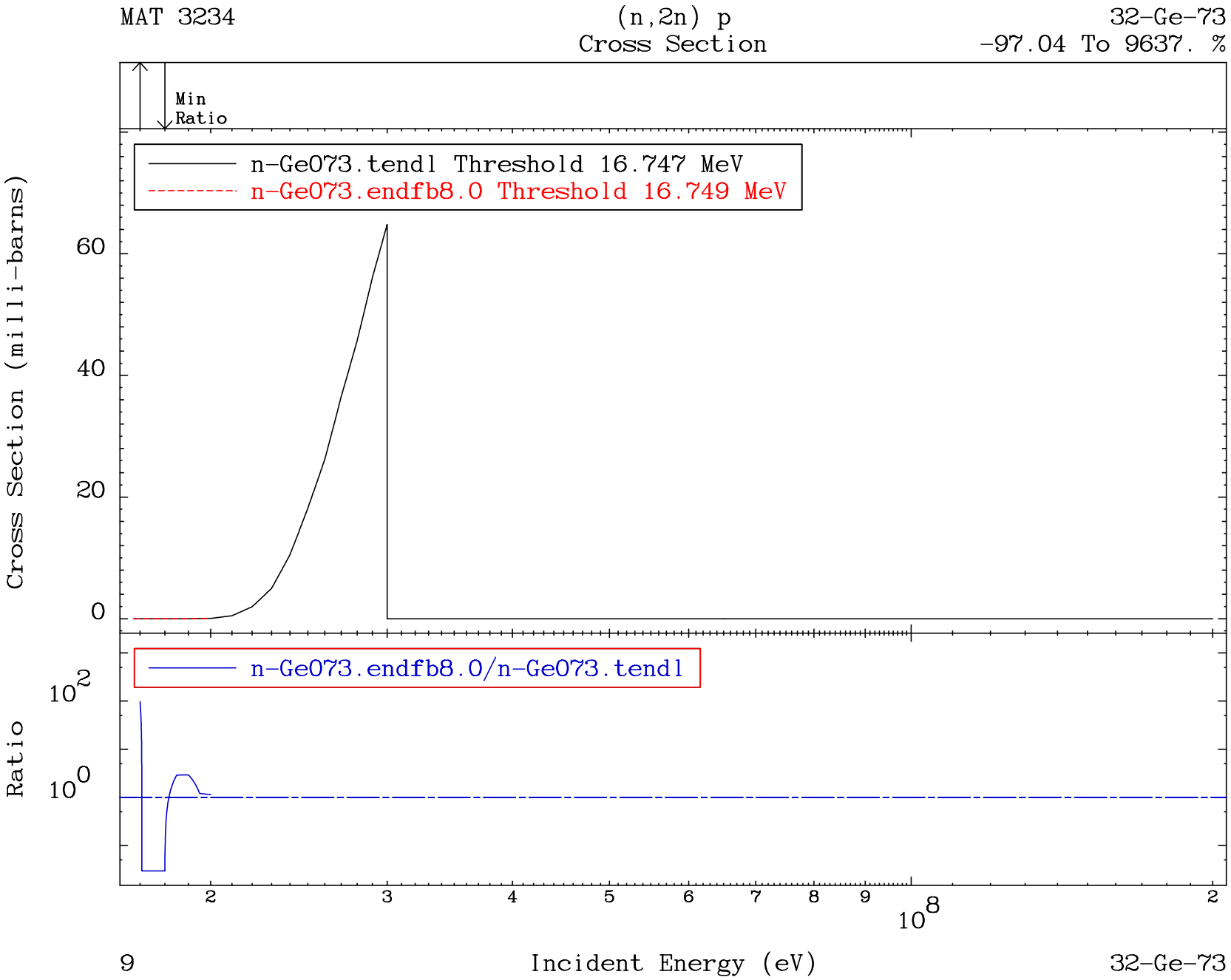

MAT 3234
(n,2n)
Cross Section
32-Ge-73
-100.0 To 77.55 %
Max
Ratio
n-Ge073.tendl Threshold 6.8768 MeV
n-Ge073.endfb8.0 Threshold 6.8768 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^-4
10^-8
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
32-Ge-73

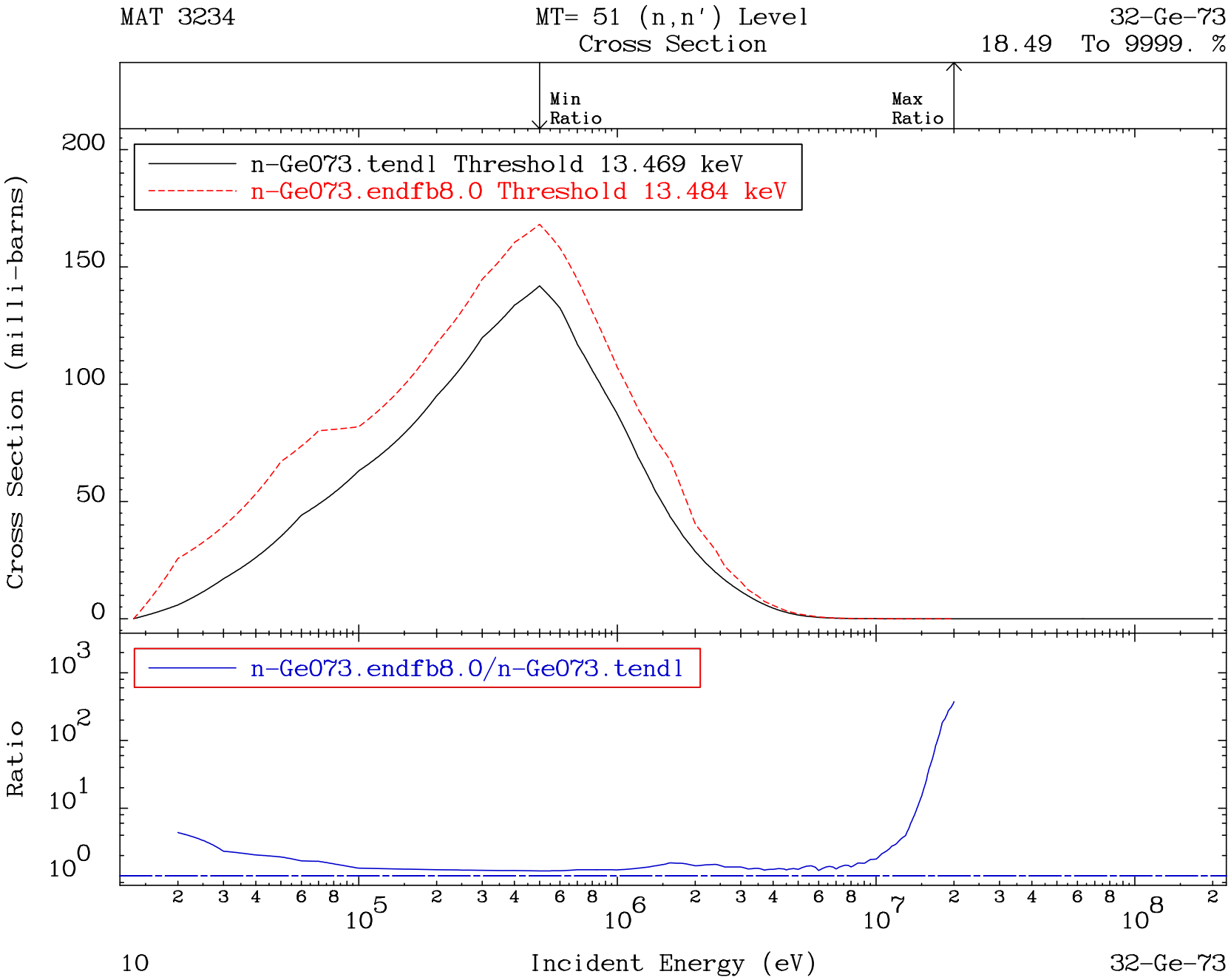

MAT 3234
(n,3n)
Cross Section
32-Ge-73
-100.0 To 19.45 %
Max
Ratio
n-Ge073.tendl Threshold 17.776 MeV
n-Ge073.endfb8.0 Threshold 17.776 MeV
Cross Section (milli-barns)
600
400
200
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^-3
10^-6
10^-9
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
32-Ge-73

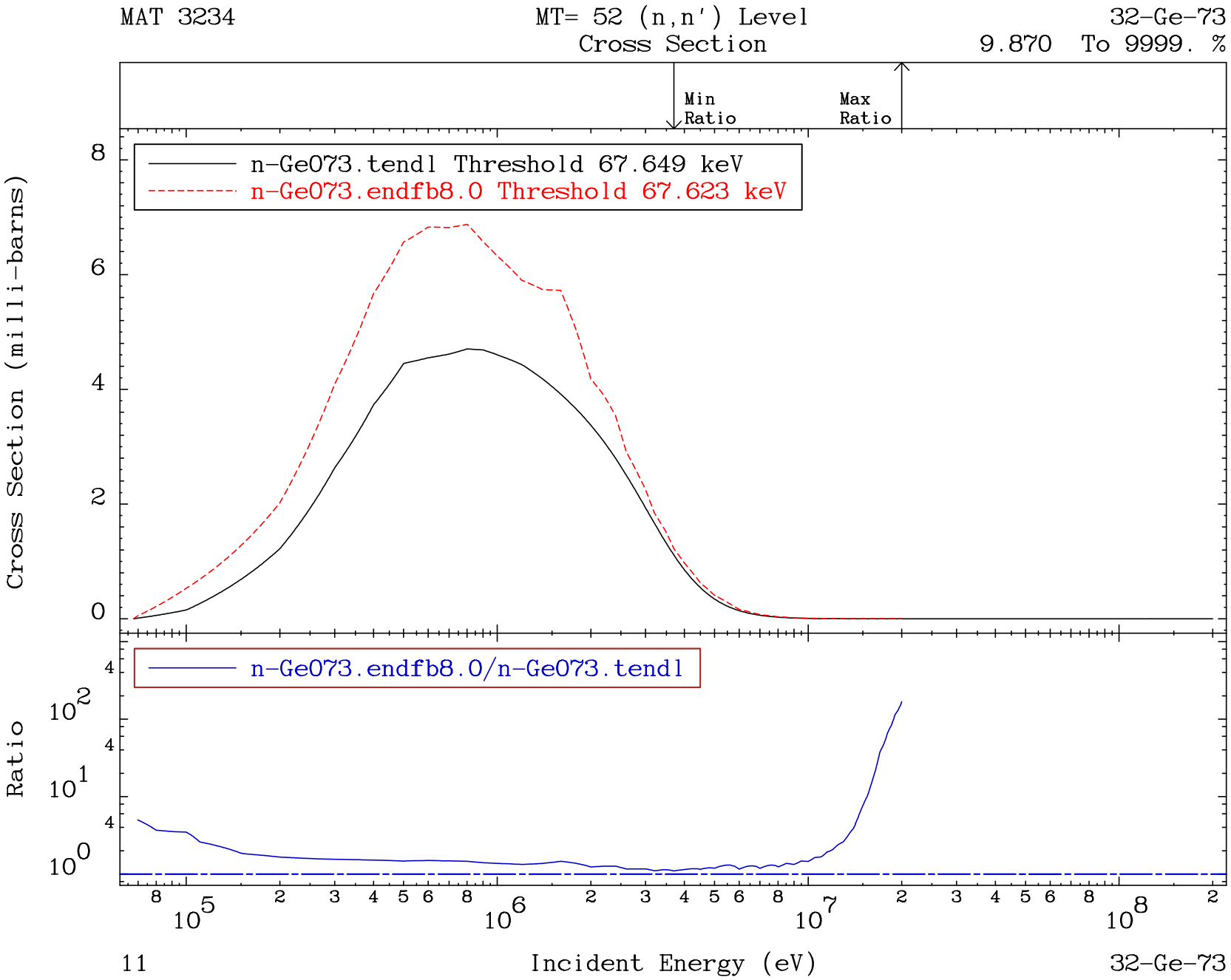

MAT 3234
(n,n') α
Cross Section
32-Ge-73
-53.25 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 5.3780 MeV
n-Ge073.endfb8.0 Threshold 5.3805 MeV
Cross Section (milli-barns)
0
10
20
30
40
50
60
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^3
10^6
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
32-Ge-73

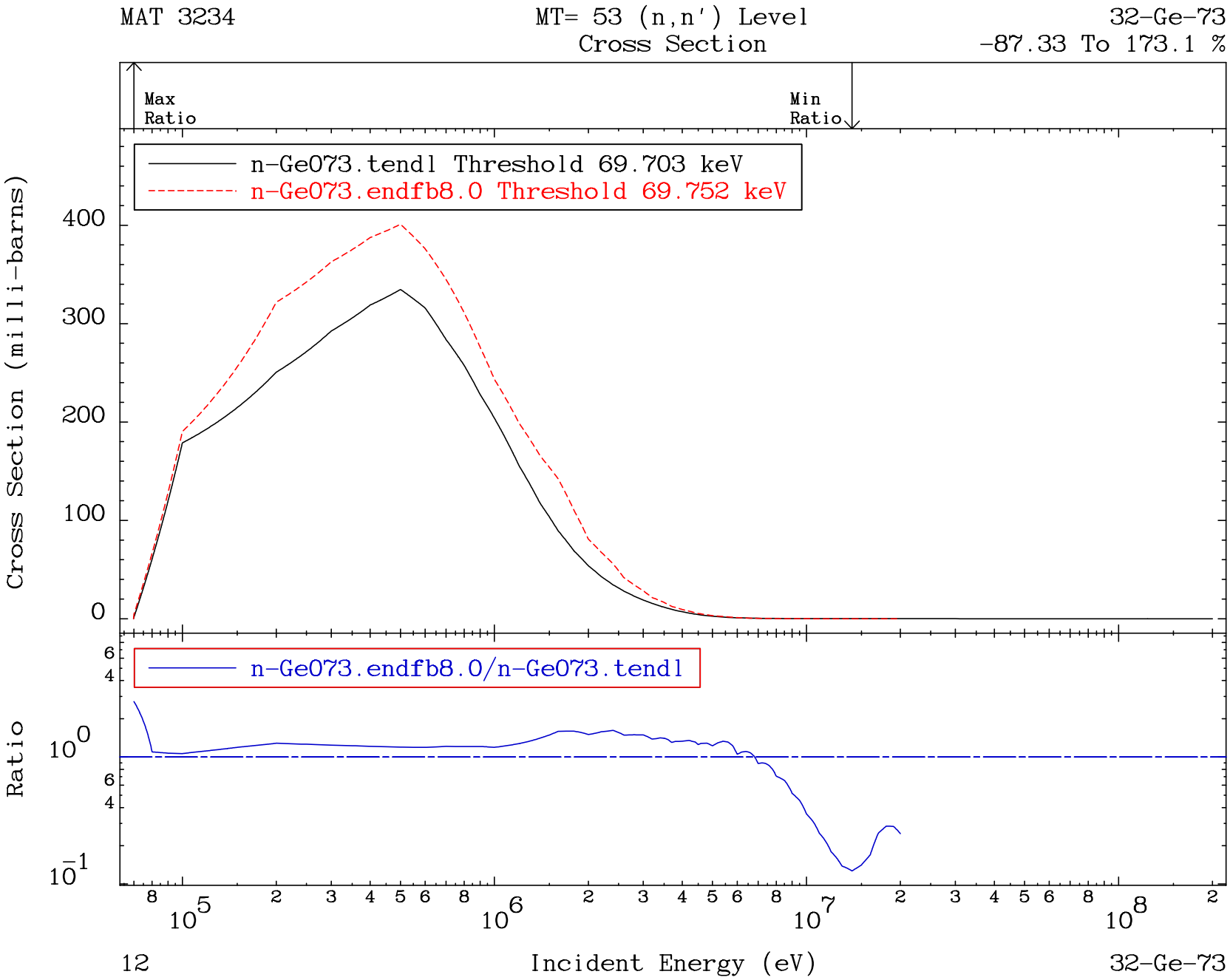

MAT 3234
(n,2n) α
Cross Section
32-Ge-73
348.1 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 11.950 MeV
n-Ge073.endfb8.0 Threshold 11.952 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^6
10^4
10^2
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
32-Ge-73

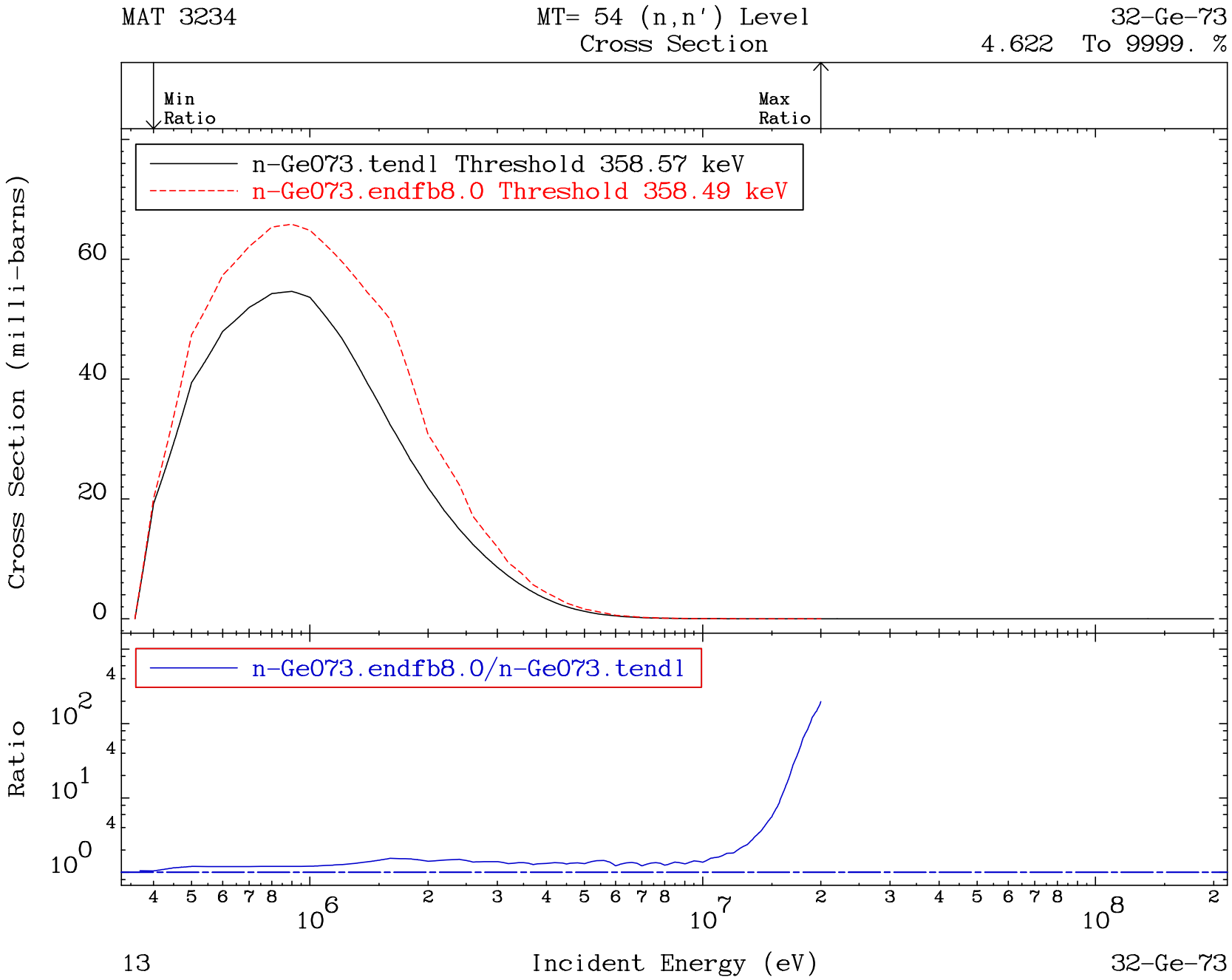

MAT 3234
(n,n') p
Cross Section
32-Ge-73
-19.51 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 10.137 MeV
n-Ge073.endfb8.0 Threshold 10.138 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^4
10^2
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
32-Ge-73

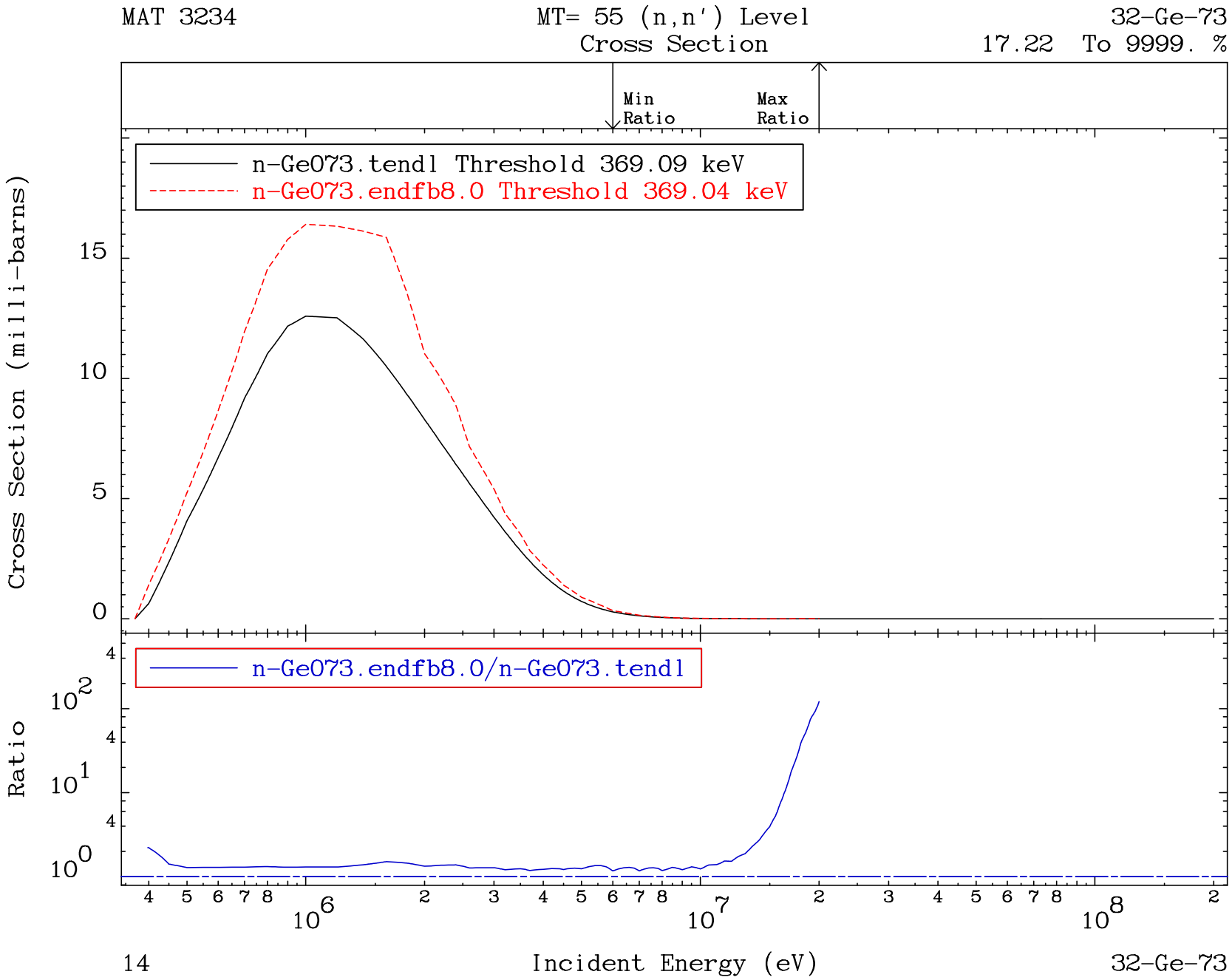

MAT 3234
(n,2n) p
Cross Section
32-Ge-73
-97.04 To 9637. %
Min
Ratio
n-Ge073.tendl Threshold 16.747 MeV
n-Ge073.endfb8.0 Threshold 16.749 MeV
Cross Section (milli-barns)
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
32-Ge-73

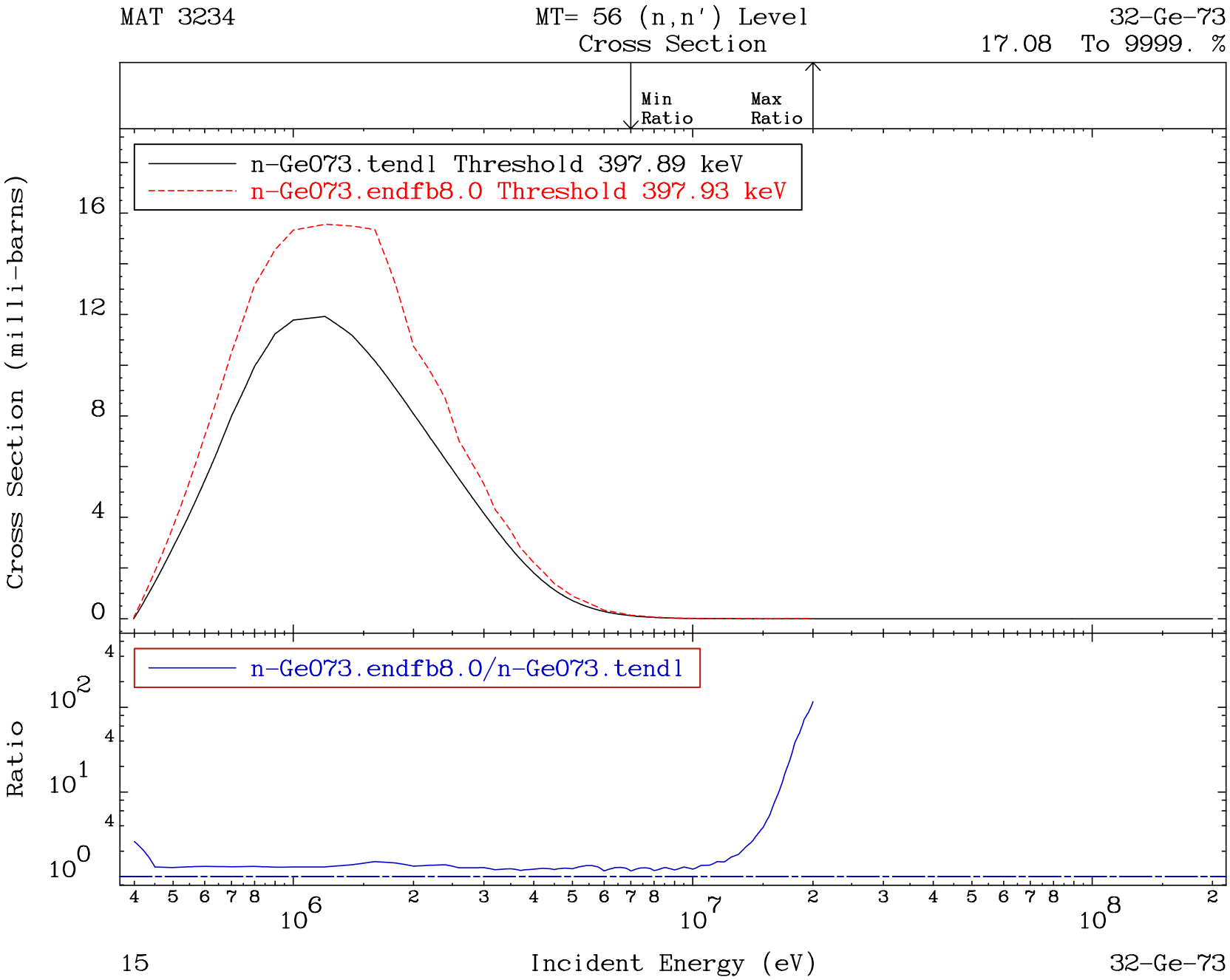

MAT 3234
MT= 51 (n,n') Level
Cross Section
32-Ge-73
18.49 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 13.469 keV
n-Ge073.endfb8.0 Threshold 13.484 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^3
10^2
10^1
10^0
2 3 4 6 8 10^5 2 3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
10
Incident Energy (eV)
32-Ge-73

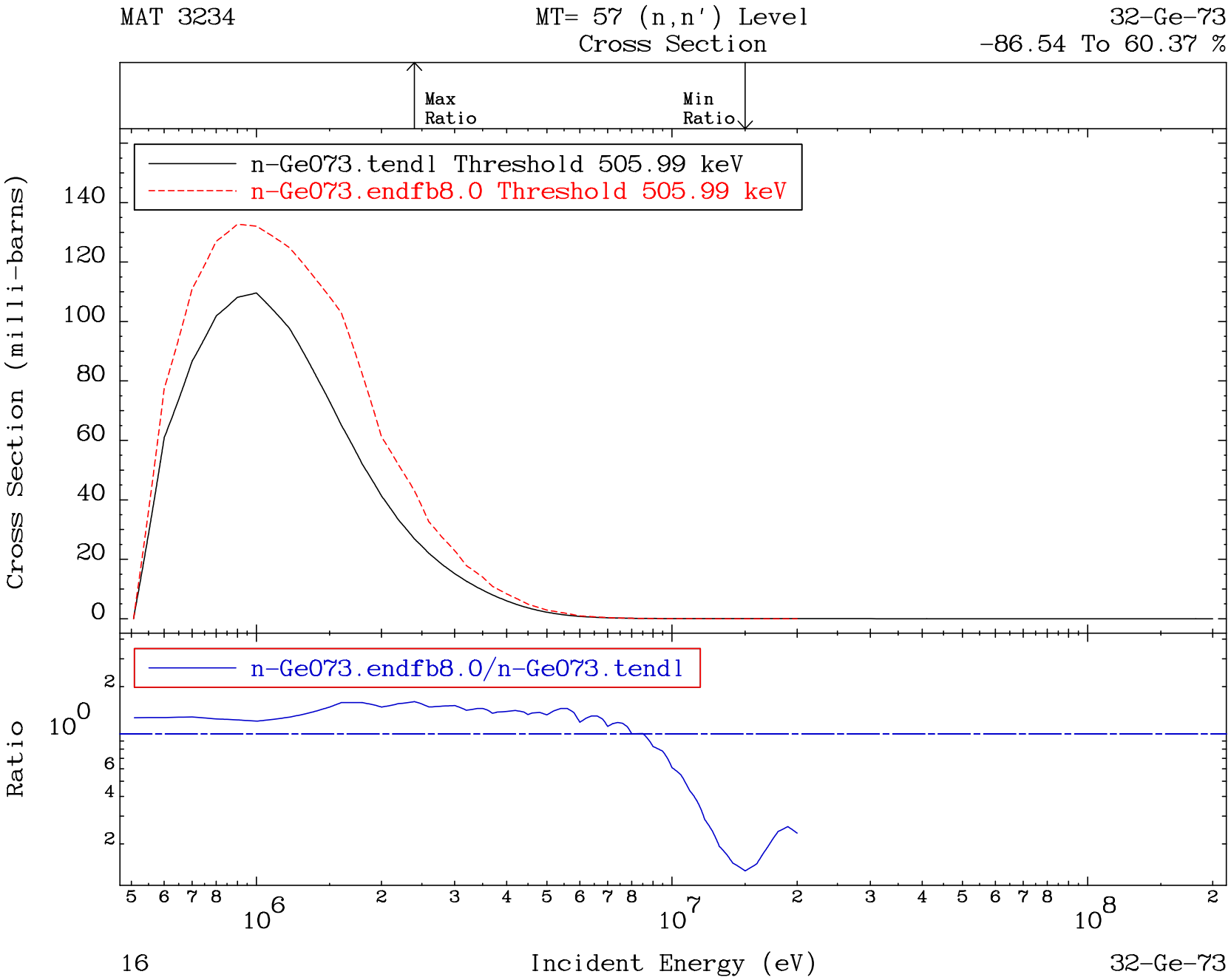

MAT 3234
MT= 52 (n,n') Level
Cross Section
32-Ge-73
9.870 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 67.649 keV
n-Ge073.endfb8.0 Threshold 67.623 keV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
11
32-Ge-73

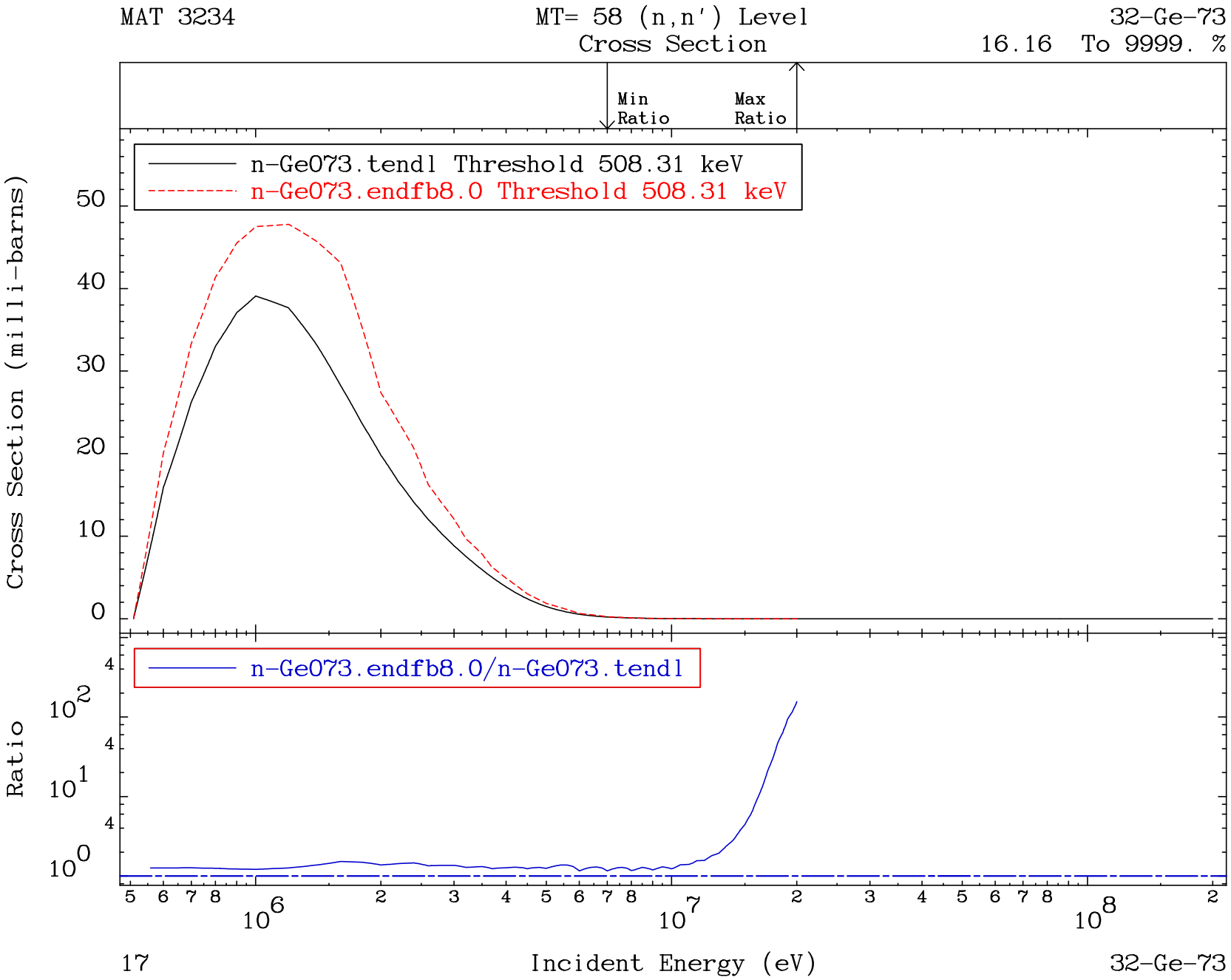

MAT 3234
MT= 53 (n,n') Level
Cross Section
32-Ge-73
-87.33 To 173.1 %
Max
Ratio
Min
Ratio
n-Ge073.tendl Threshold 69.703 keV
n-Ge073.endfb8.0 Threshold 69.752 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
6
4
10^0
6
4
10^-1
8
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
12
Incident Energy (eV)
32-Ge-73

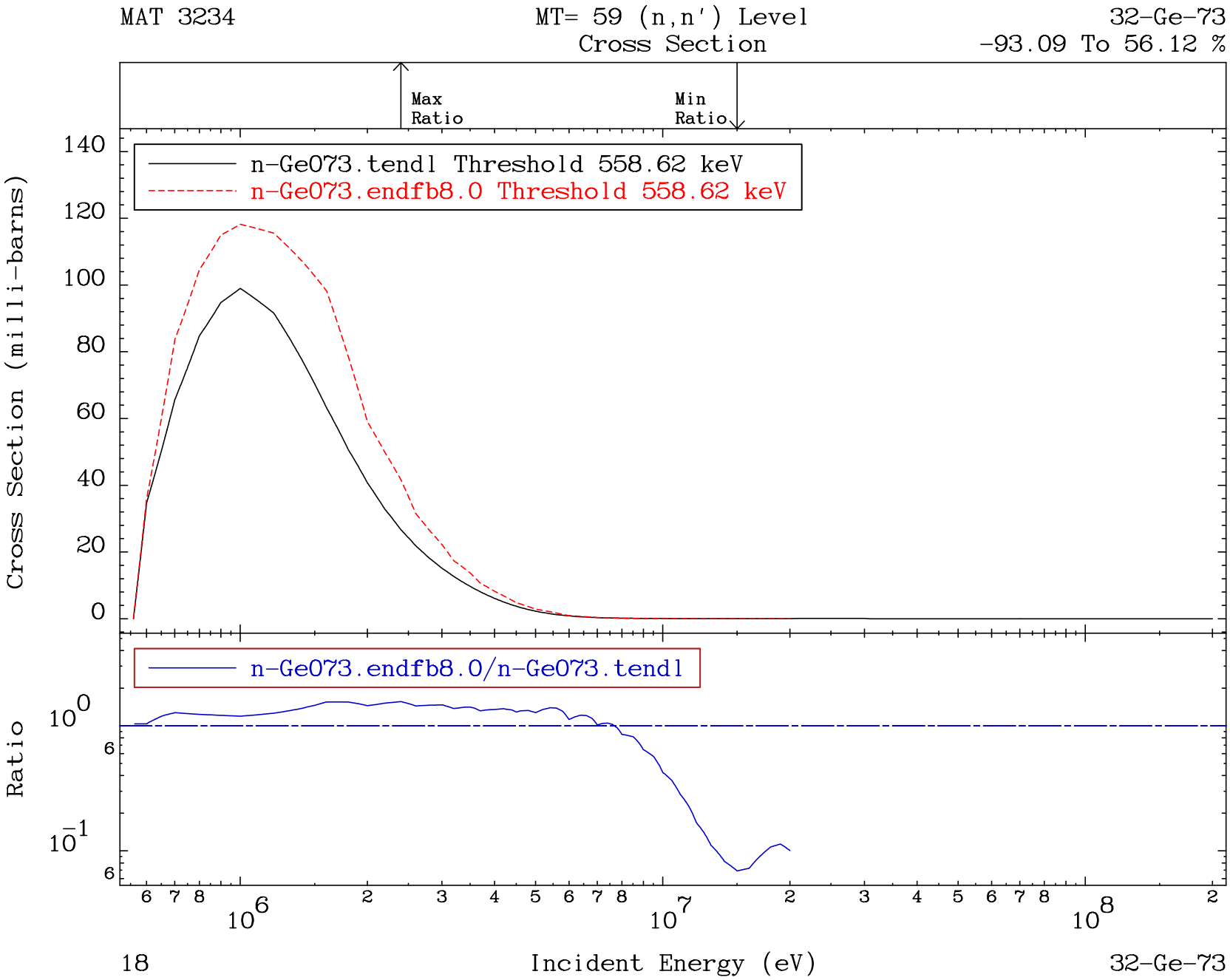

MAT 3234
MT= 54 (n,n') Level
Cross Section
32-Ge-73
4.622 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 358.57 keV
n-Ge073.endfb8.0 Threshold 358.49 keV
Cross Section (milli-barns)
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^1
10^0
4
10^6
10^7
10^8
13
Incident Energy (eV)
32-Ge-73

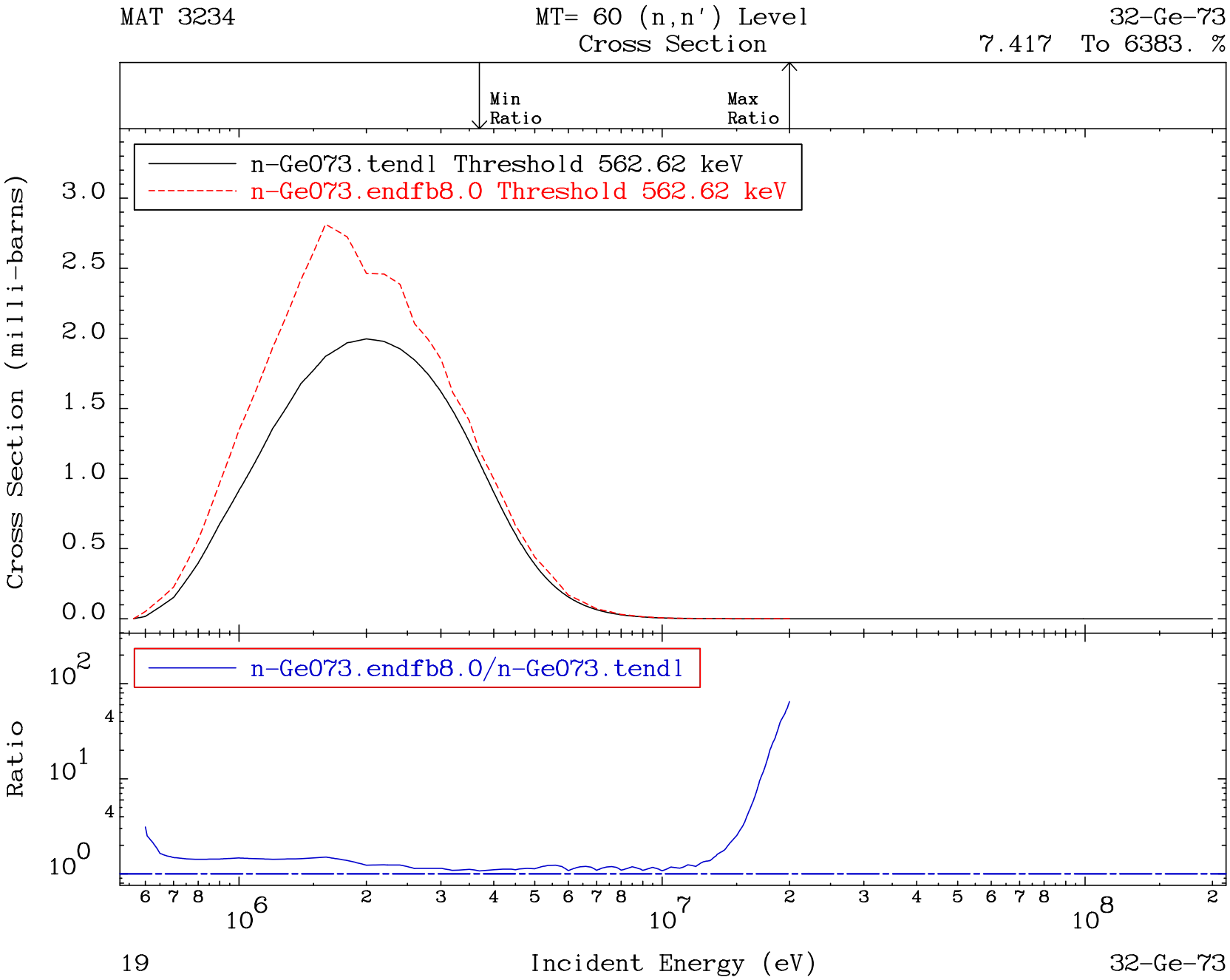

MAT 3234
MT= 55 (n,n') Level
Cross Section
32-Ge-73
17.22 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 369.09 keV
n-Ge073.endfb8.0 Threshold 369.04 keV
Cross Section (milli-barns)
15
10
5
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^1
10^0
4
10^6
10^7
10^8
Incident Energy (eV)
14
32-Ge-73

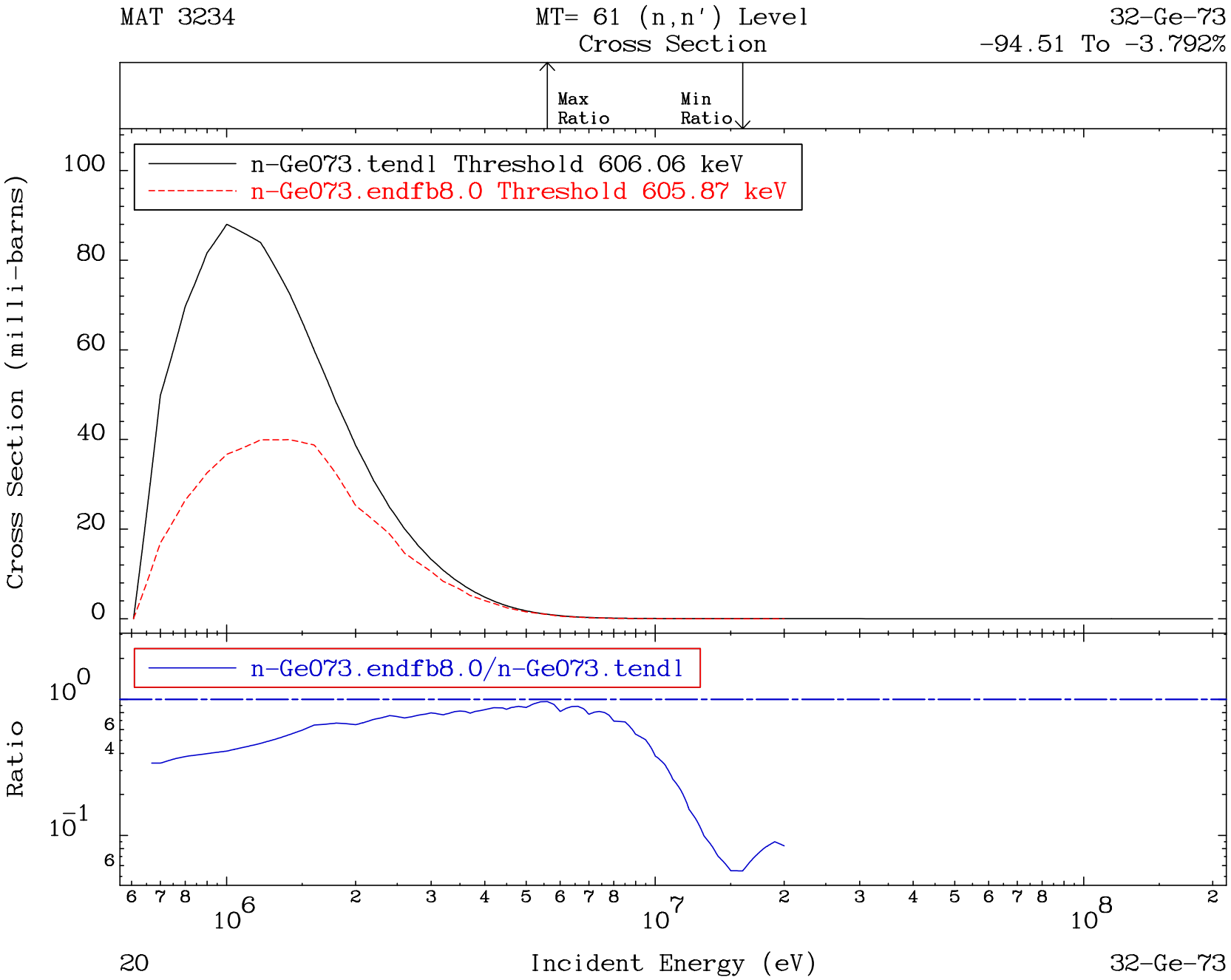

MAT 3234
MT= 56 (n,n') Level
Cross Section
32-Ge-73
17.08 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 397.89 keV
n-Ge073.endfb8.0 Threshold 397.93 keV
Cross Section (milli-barns)
16
12
8
4
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^1
10^0
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
15
32-Ge-73

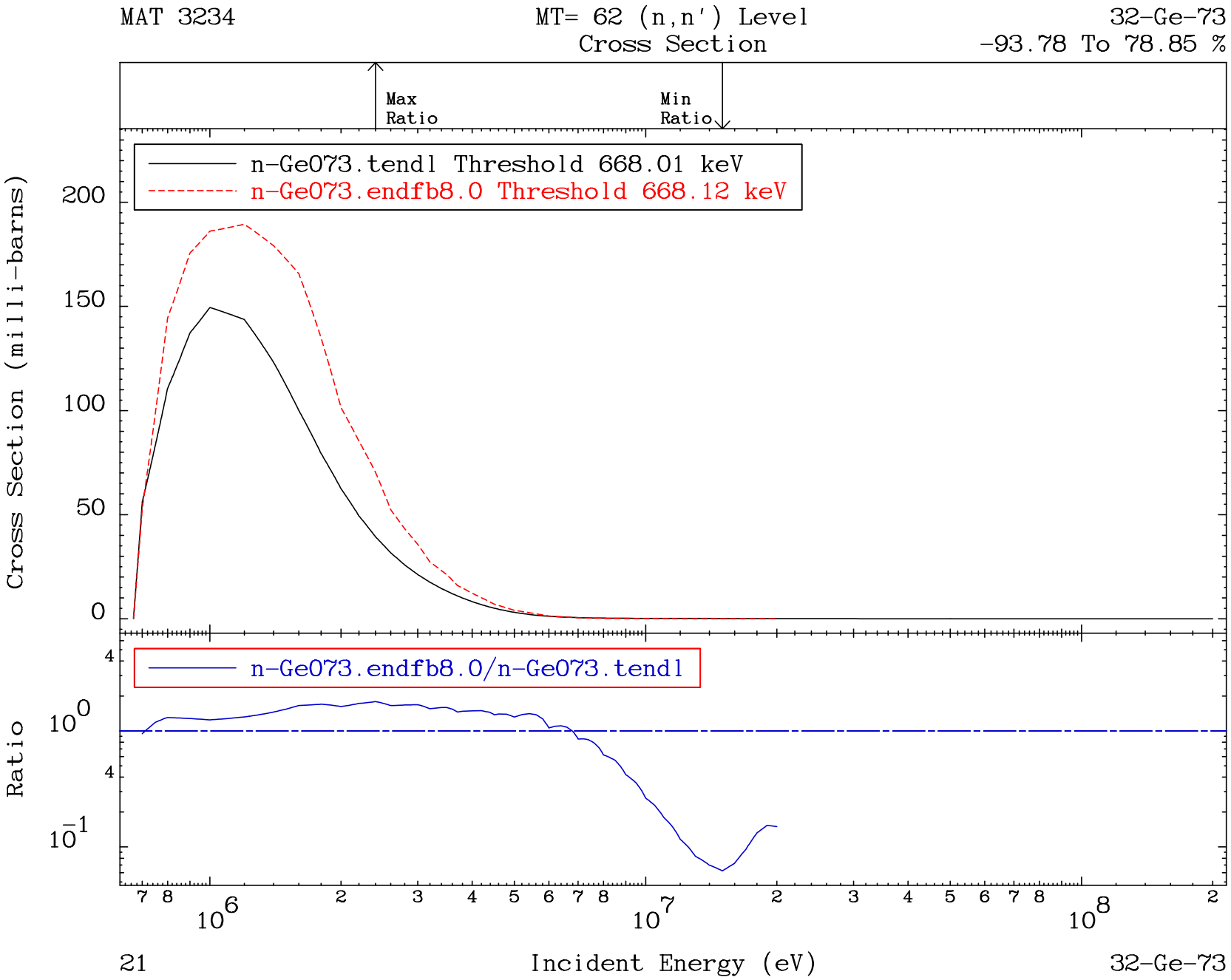

MAT 3234
MT= 57 (n,n') Level
Cross Section
32-Ge-73
-86.54 To 60.37 %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 505.99 keV
n-Ge073.endfb8.0 Threshold 505.99 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
2
6
4
2
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
32-Ge-73

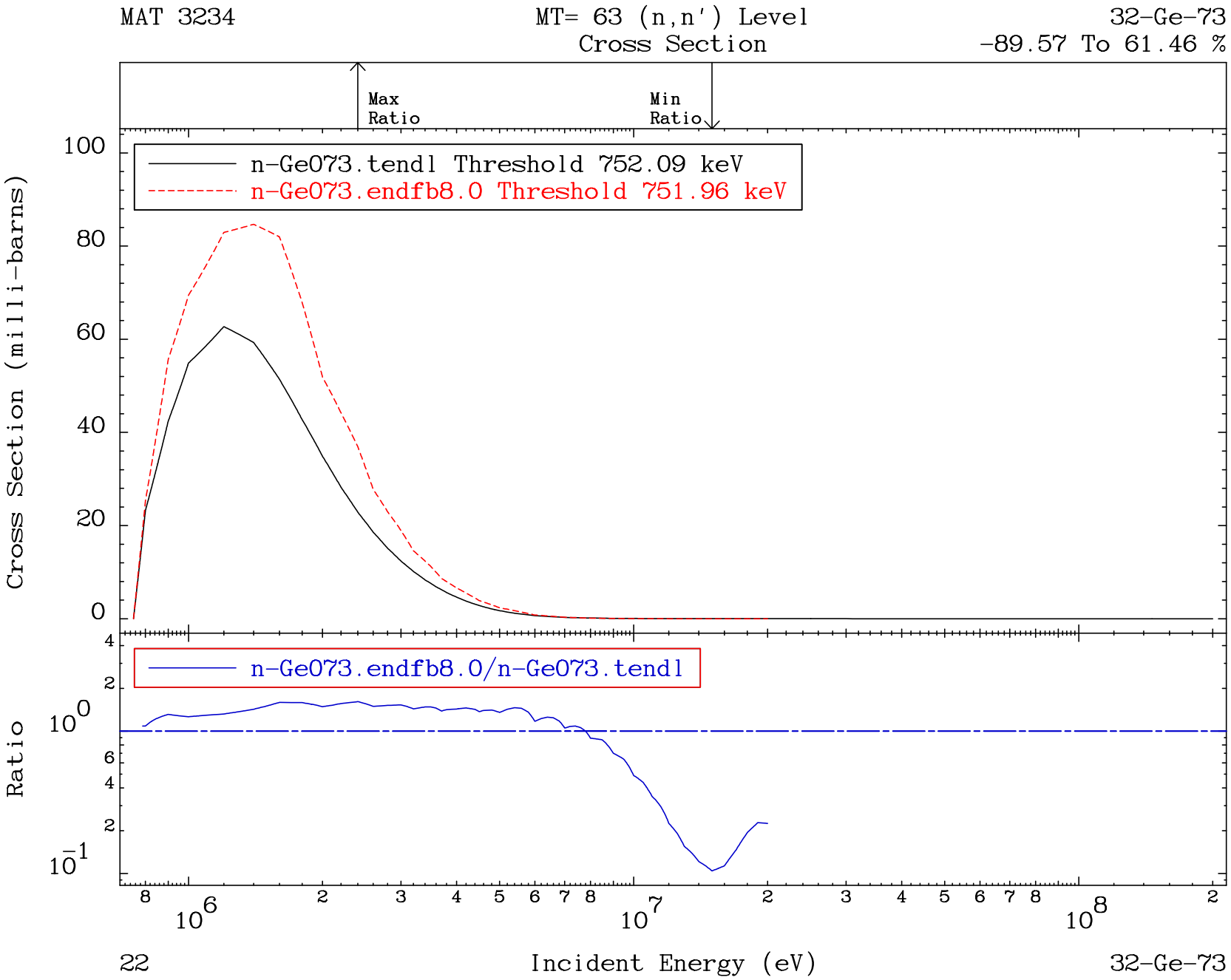

MAT 3234
MT= 58 (n,n') Level
Cross Section
32-Ge-73
16.16 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 508.31 keV
n-Ge073.endfb8.0 Threshold 508.31 keV
Cross Section (milli-barns)
0
10
20
30
40
50
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^1
10^2
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
32-Ge-73

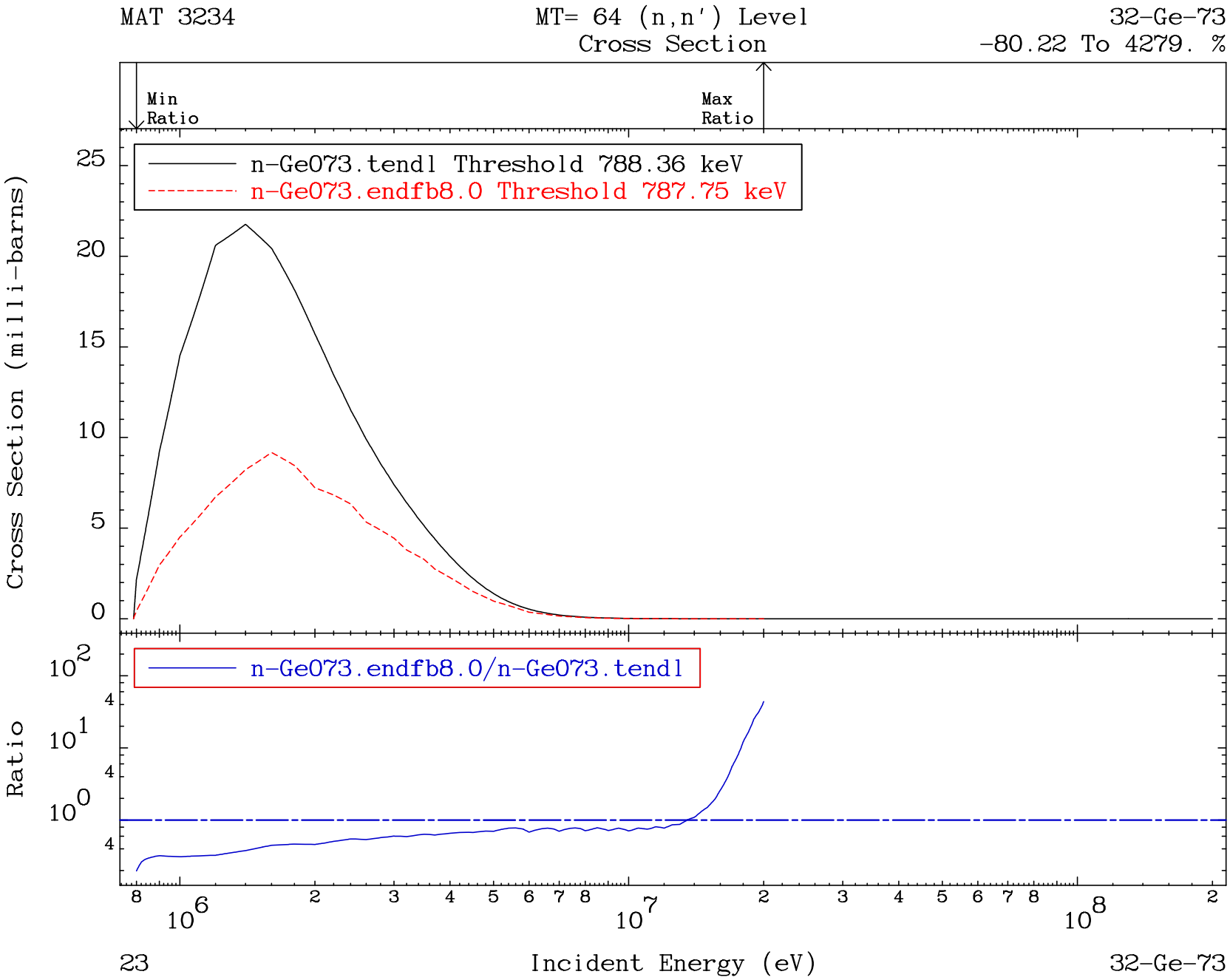

MAT 3234
MT= 59 (n,n') Level
Cross Section
32-Ge-73
-93.09 To 56.12 %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 558.62 keV
n-Ge073.endfb8.0 Threshold 558.62 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
6
10^-1
6
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
32-Ge-73

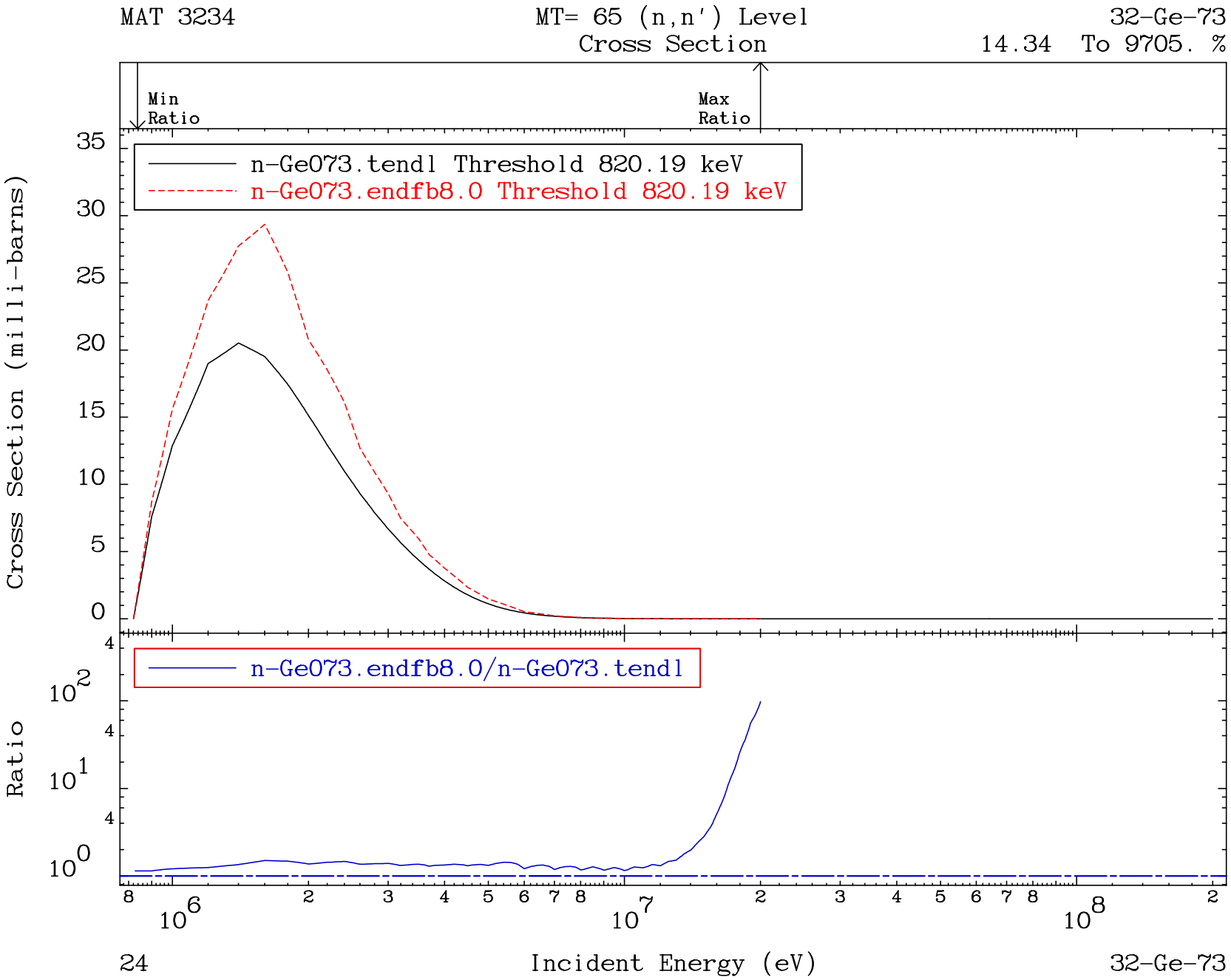

MAT 3234
MT= 60 (n,n') Level
Cross Section
32-Ge-73
7.417 To 6383. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 562.62 keV
n-Ge073.endfb8.0 Threshold 562.62 keV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^1
10^0
4
4
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
32-Ge-73

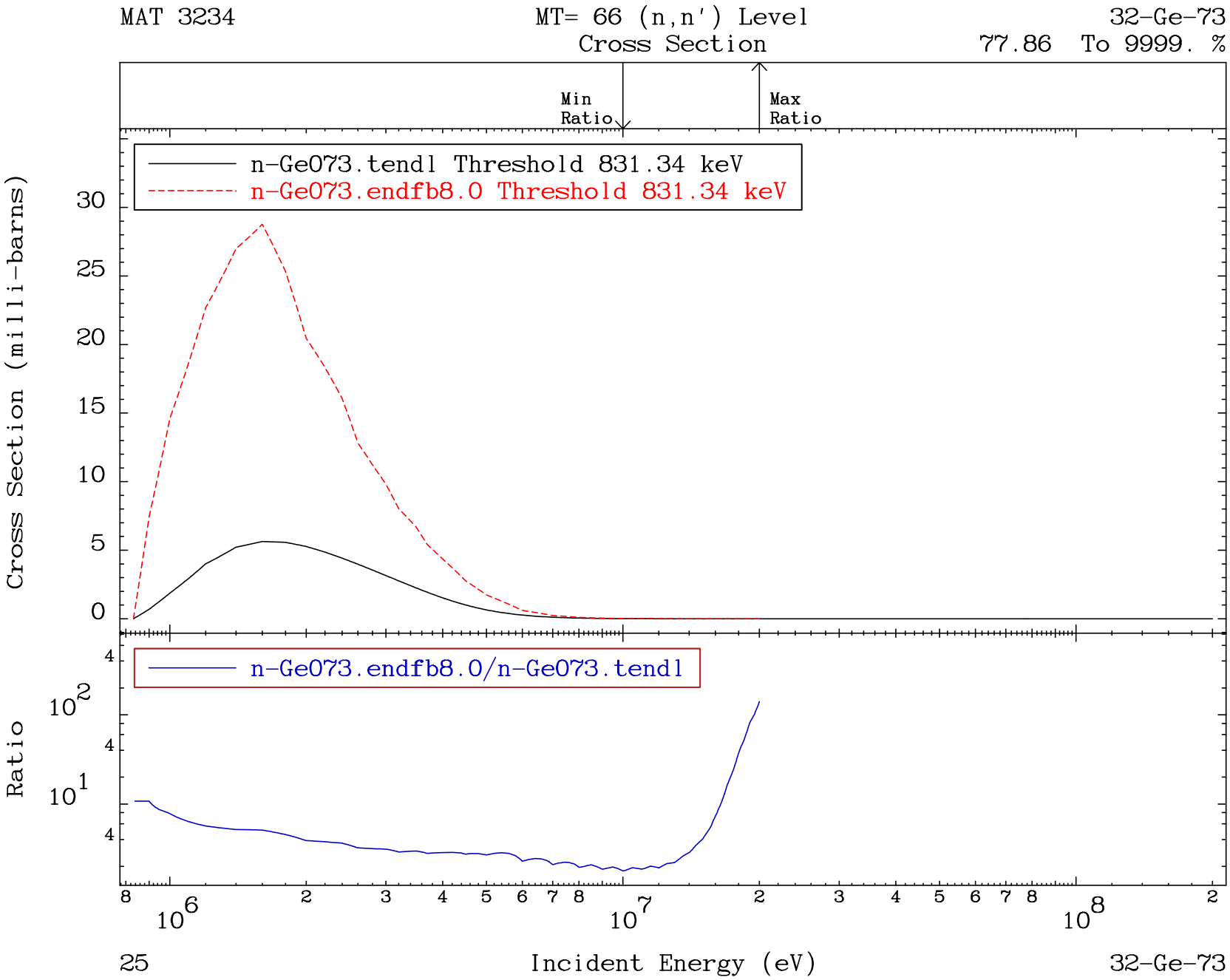

MAT 3234
MT= 61 (n,n') Level
Cross Section
32-Ge-73
-94.51 To -3.792%
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 606.06 keV
n-Ge073.endfb8.0 Threshold 605.87 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
6
4
10^-1
6
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
32-Ge-73

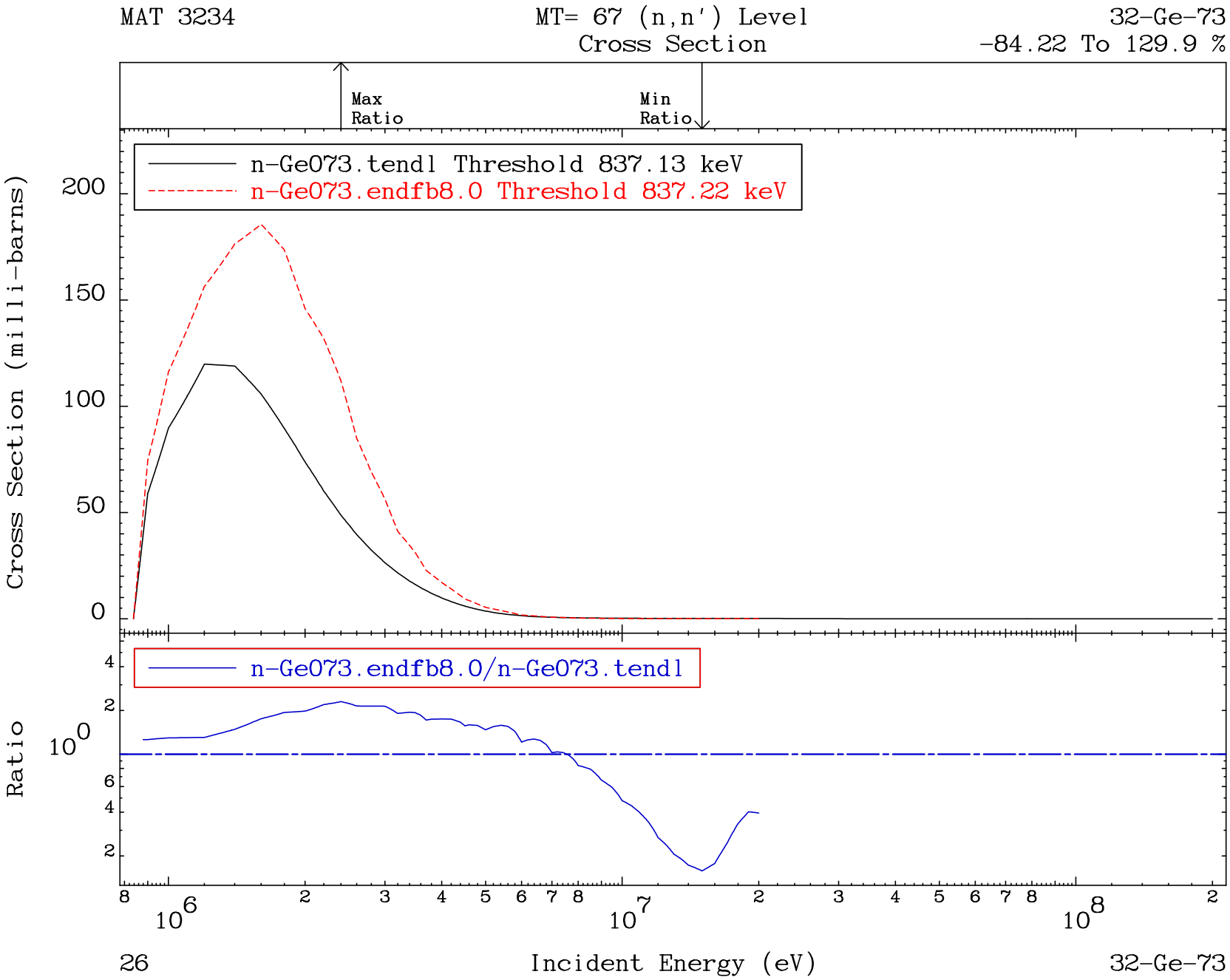

MAT 3234
MT= 62 (n,n') Level
Cross Section
32-Ge-73
-93.78 To 78.85 %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 668.01 keV
n-Ge073.endfb8.0 Threshold 668.12 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
4
10^{0}
4
10^{-1}
7 8
10^{6}
2 3 4 5 6 7 8
10^{7}
2 3 4 5 6 7 8
10^{8}
2
21
Incident Energy (eV)
32-Ge-73

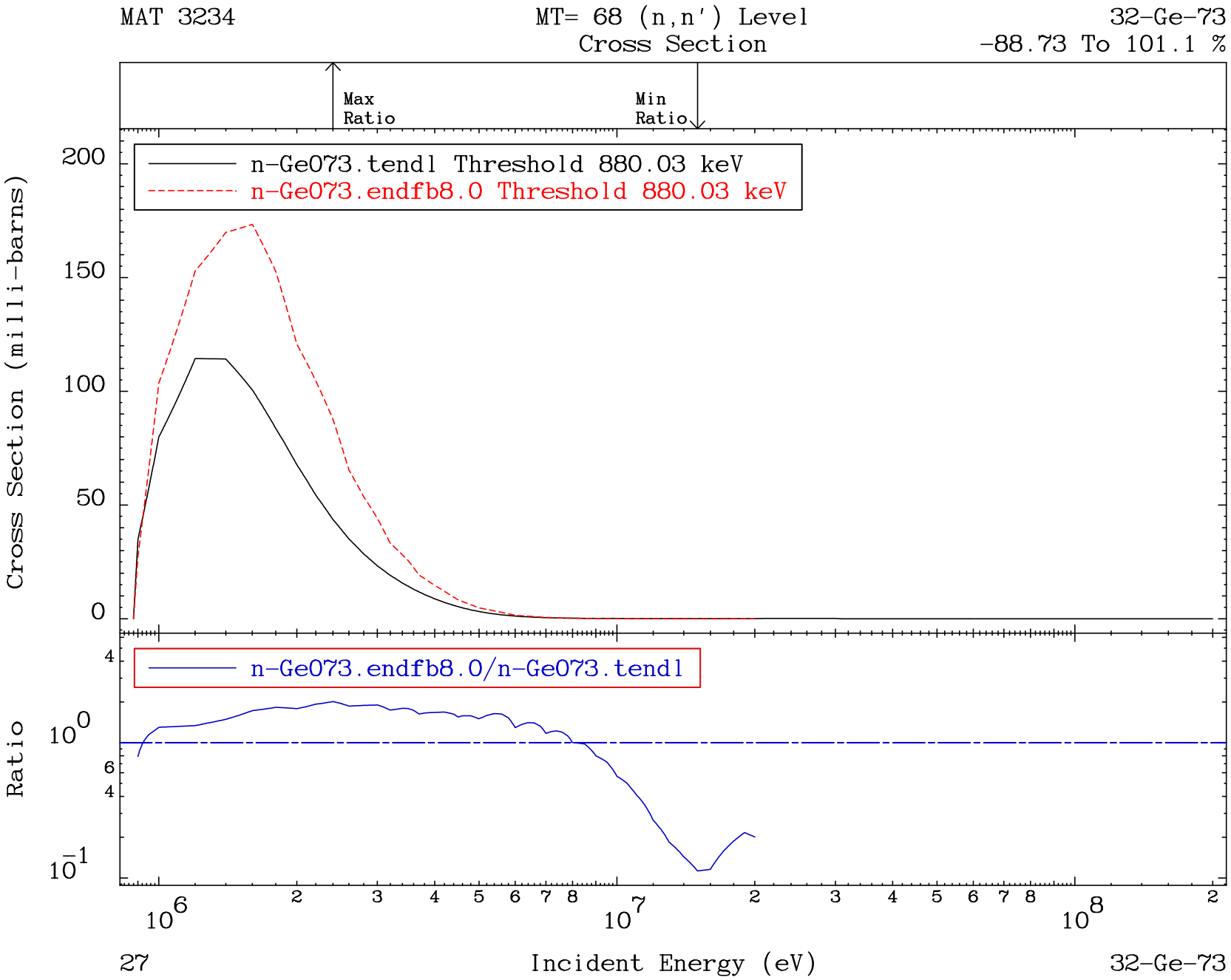

MAT 3234
MT= 63 (n,n') Level
Cross Section
32-Ge-73
-89.57 To 61.46 %
Max
Ratio
Min
Ratio
n-Ge073.tendl Threshold 752.09 keV
n-Ge073.endfb8.0 Threshold 751.96 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
4
2
10^0
6
4
2
10^-1
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
32-Ge-73

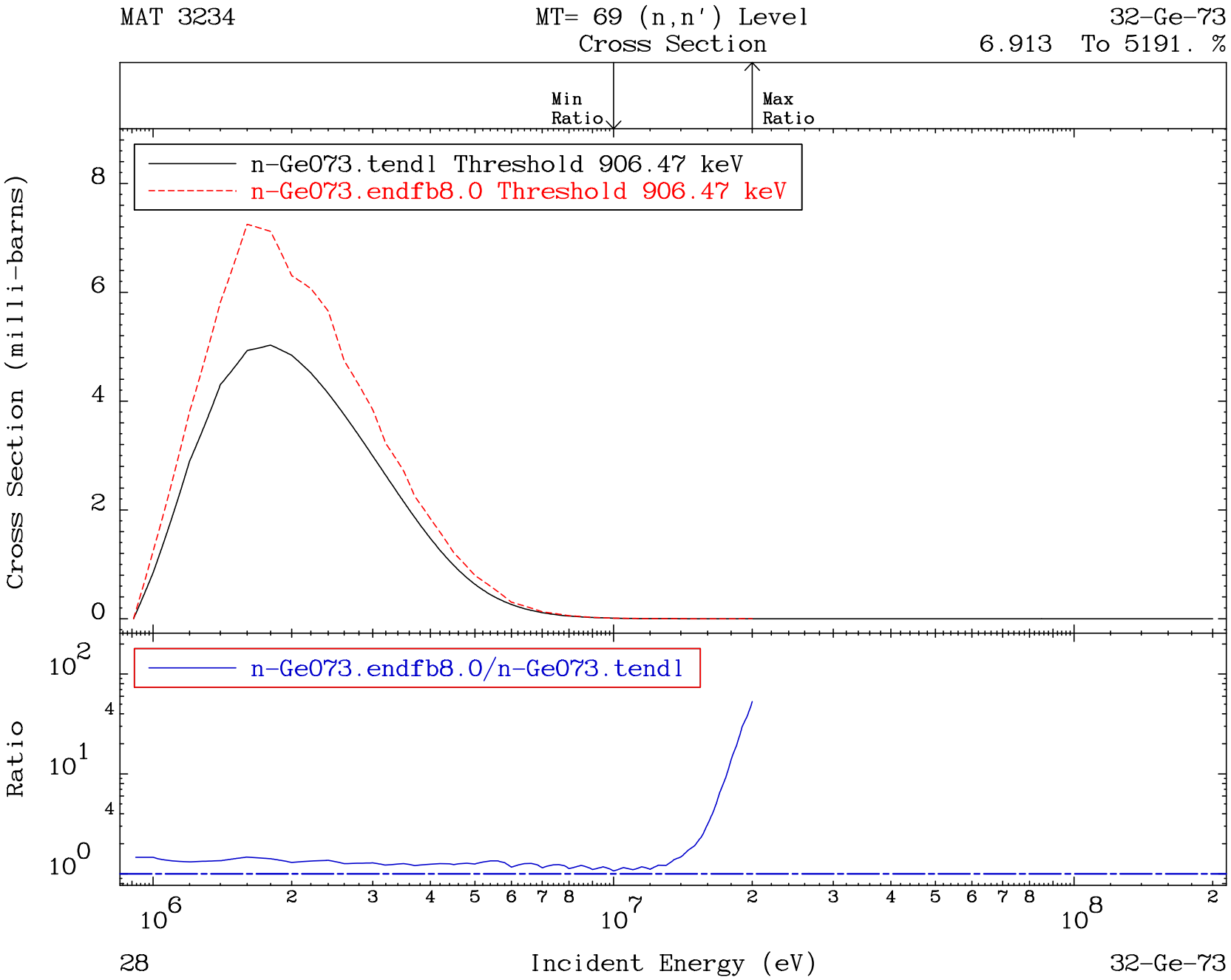

MAT 3234
MT= 64 (n,n') Level
Cross Section
32-Ge-73
-80.22 To 4279. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 788.36 keV
n-Ge073.endfb8.0 Threshold 787.75 keV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
23
32-Ge-73

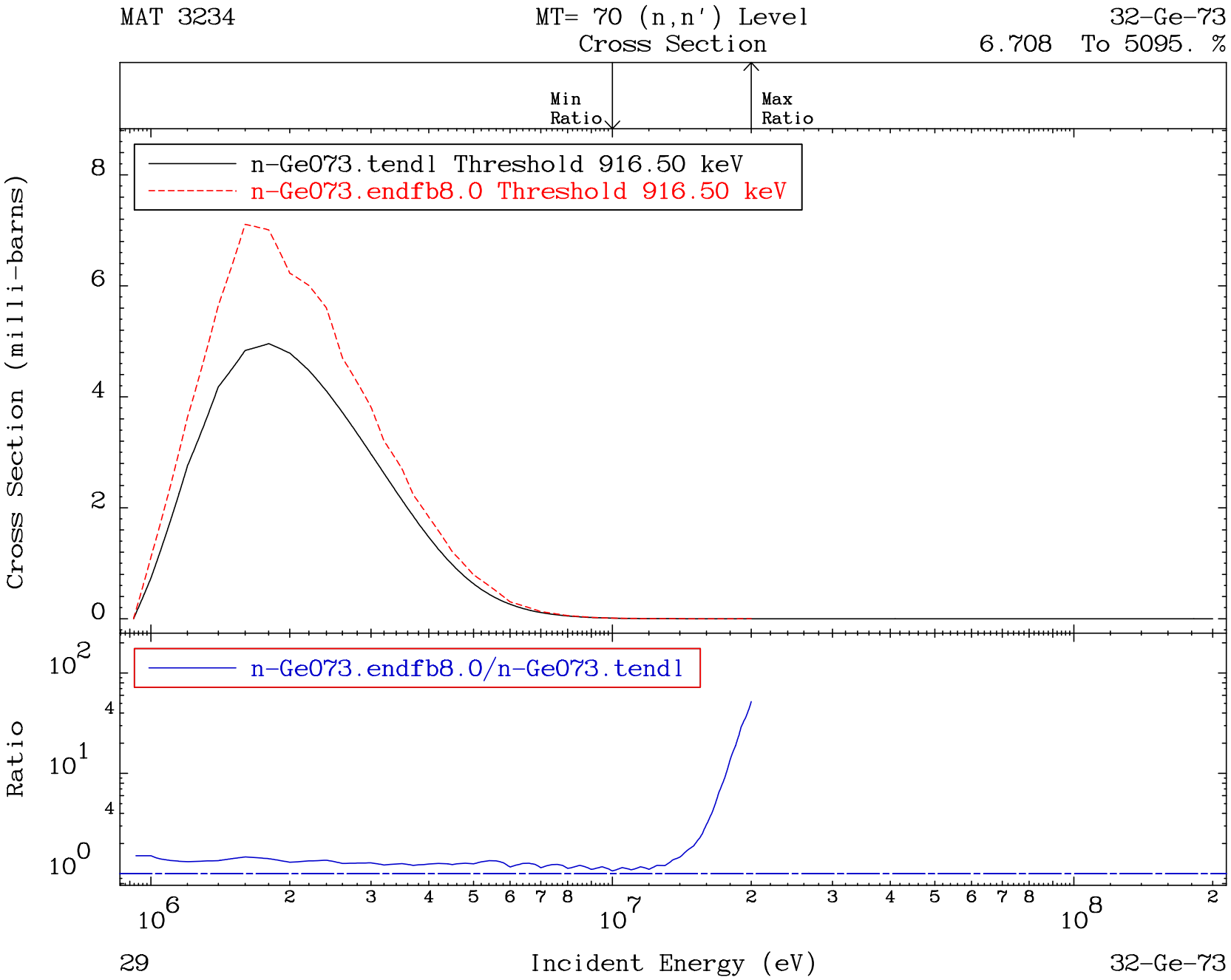

MAT 3234
MT= 65 (n,n') Level
Cross Section
32-Ge-73
14.34 To 9705. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 820.19 keV
n-Ge073.endfb8.0 Threshold 820.19 keV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
24
32-Ge-73

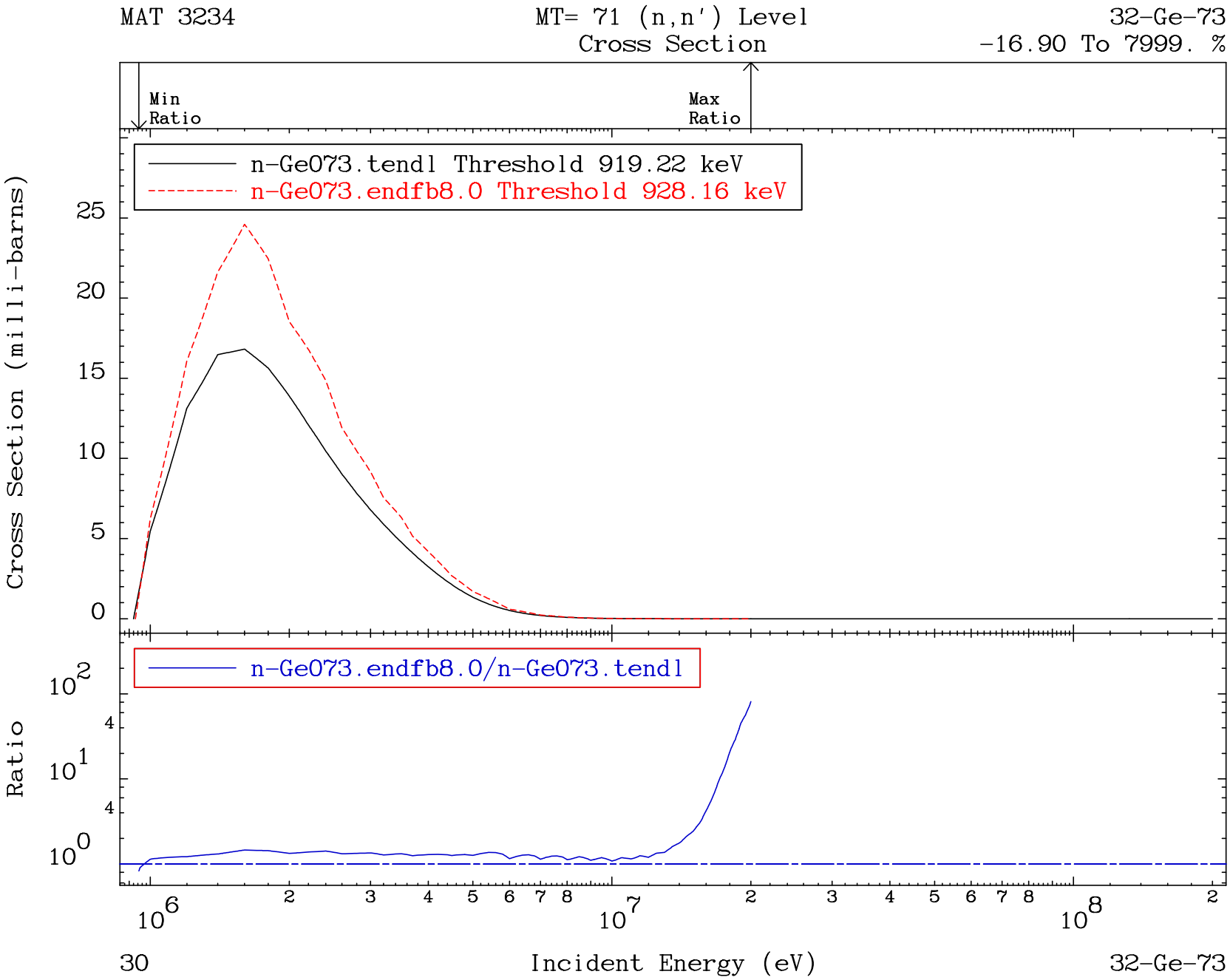

MAT 3234
MT= 66 (n,n') Level
Cross Section
32-Ge-73
77.86 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 831.34 keV
n-Ge073.endfb8.0 Threshold 831.34 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^1
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
25
32-Ge-73

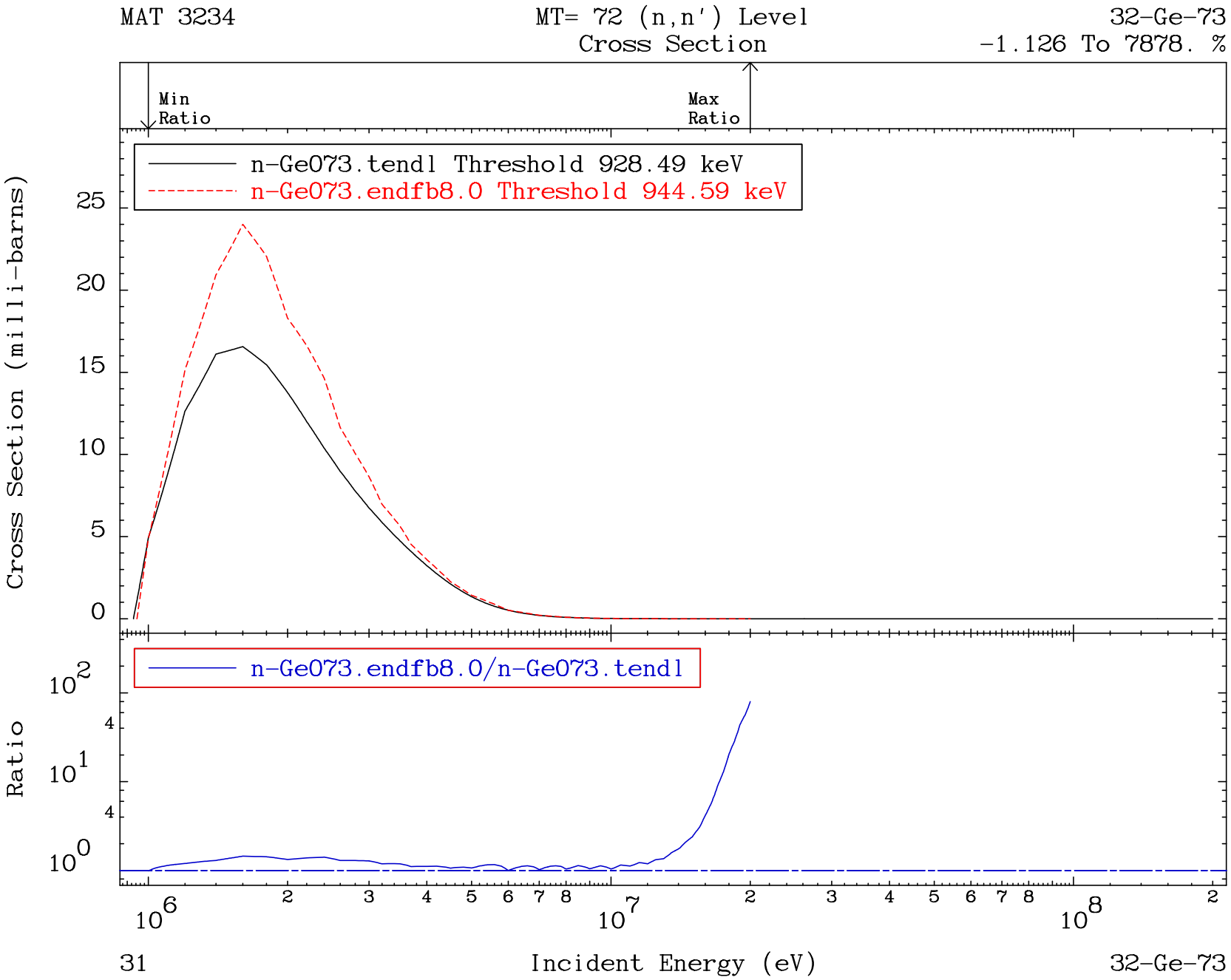

MAT 3234
MT= 67 (n,n') Level
Cross Section
32-Ge-73
-84.22 To 129.9 %
Max
Ratio
Min
Ratio
n-Ge073.tendl Threshold 837.13 keV
n-Ge073.endfb8.0 Threshold 837.22 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
4
2
10^0
6
4
2
8
2
3
4
5
6
7
8
10^6
10^7
10^8
26
Incident Energy (eV)
32-Ge-73

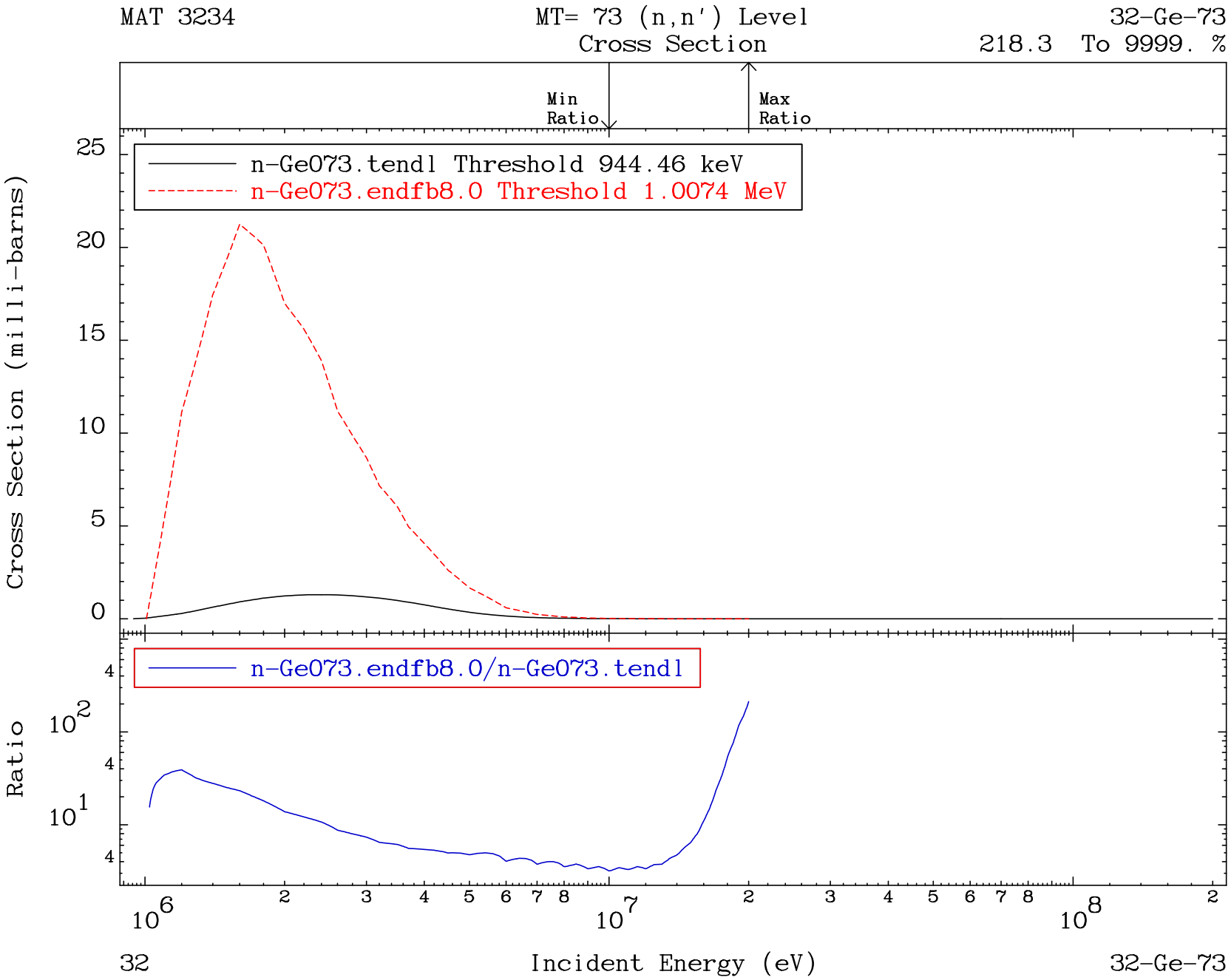

MAT 3234
MT= 68 (n,n') Level
Cross Section
32-Ge-73
-88.73 To 101.1 %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 880.03 keV
n-Ge073.endfb8.0 Threshold 880.03 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
4
10^0
6
4
10^{-1}
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
32-Ge-73

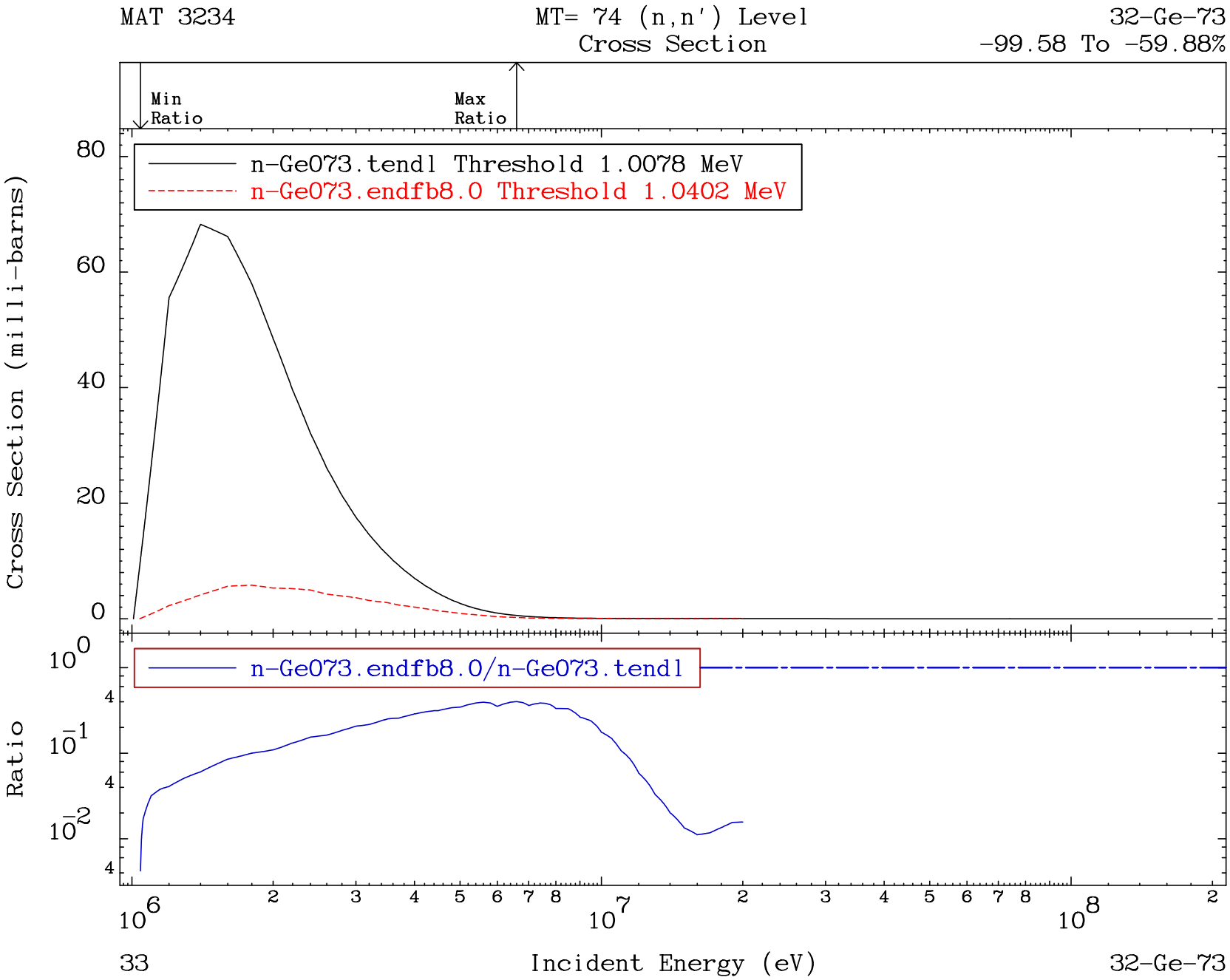

MAT 3234
MT= 69 (n,n') Level
Cross Section
32-Ge-73
6.913 To 5191. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 906.47 keV
n-Ge073.endfb8.0 Threshold 906.47 keV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
28
32-Ge-73

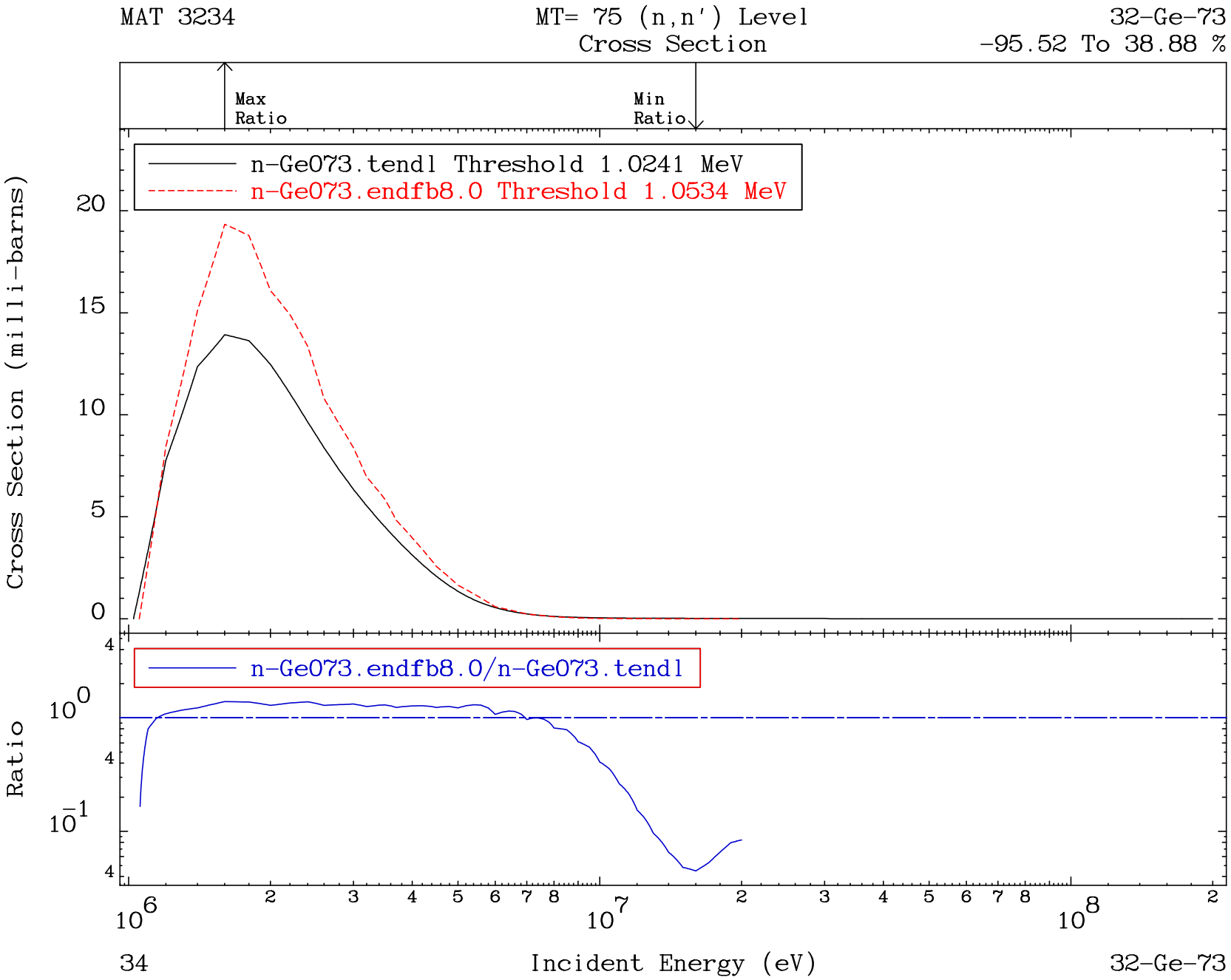

MAT 3234
MT= 70 (n,n') Level
Cross Section
32-Ge-73
6.708 To 5095. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 916.50 keV
n-Ge073.endfb8.0 Threshold 916.50 keV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
29
32-Ge-73

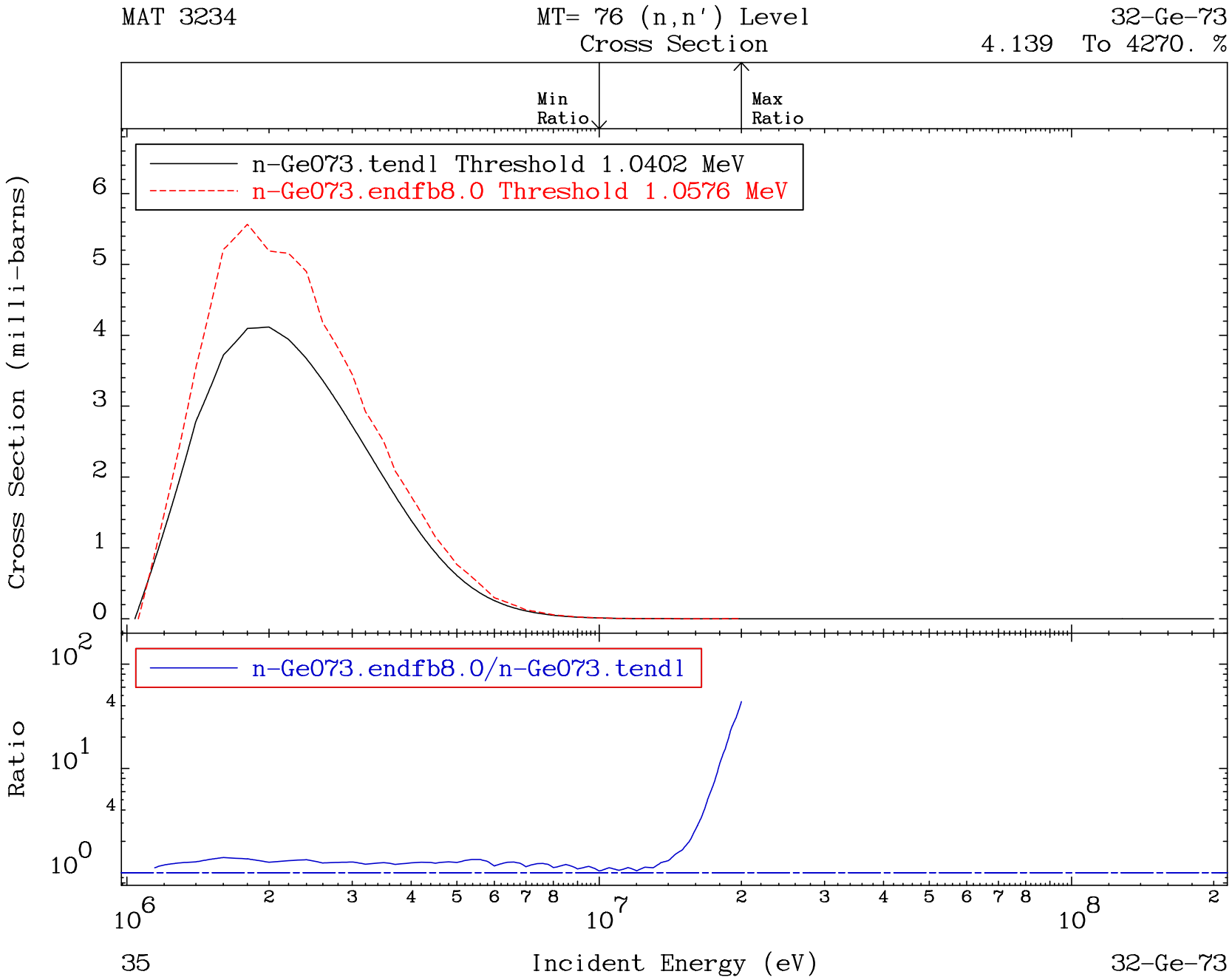

MAT 3234
MT= 71 (n,n') Level
Cross Section
32-Ge-73
-16.90 To 7999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 919.22 keV
n-Ge073.endfb8.0 Threshold 928.16 keV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
30
32-Ge-73

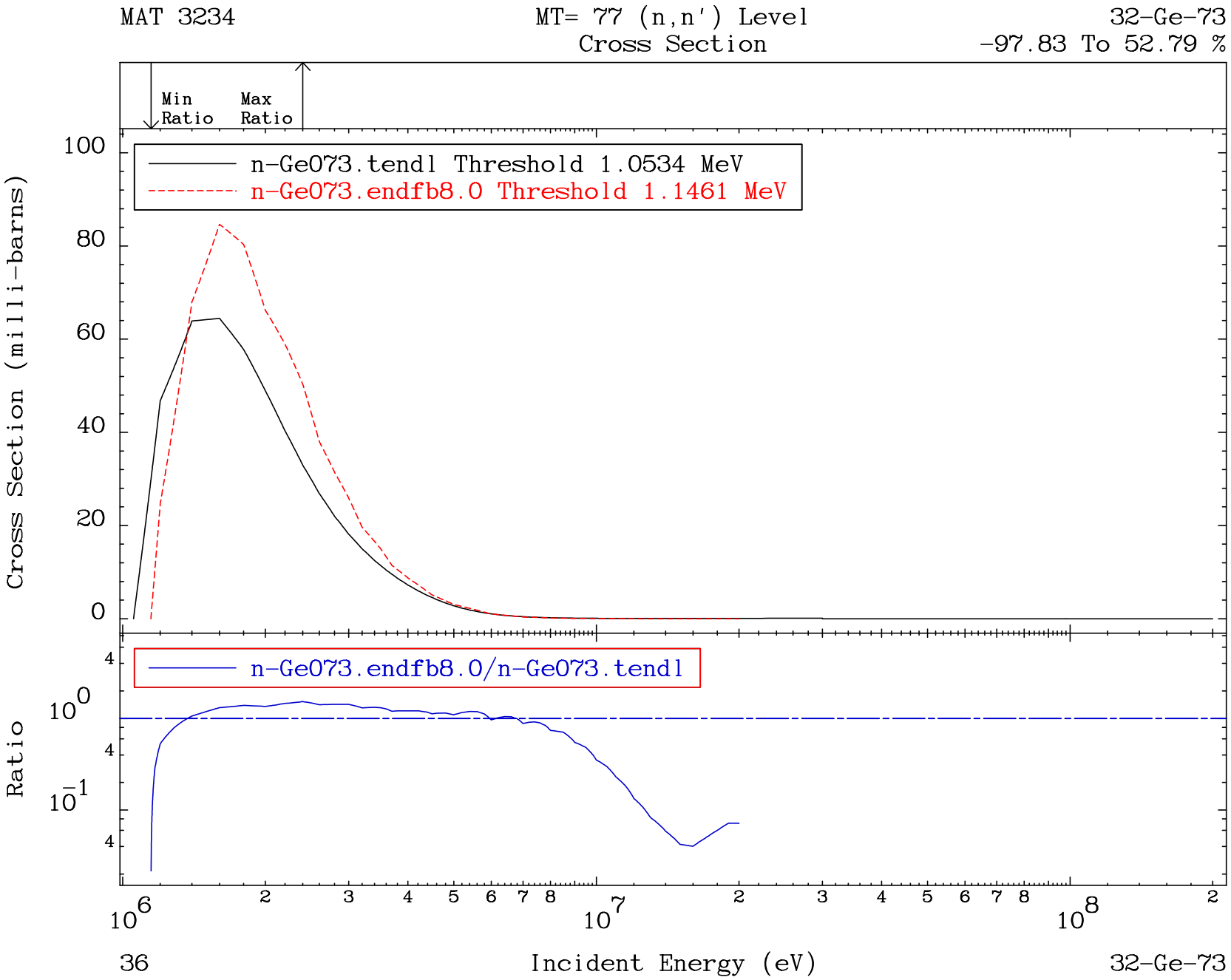

MAT 3234
MT= 72 (n,n') Level
Cross Section
32-Ge-73
-1.126 To 7878. %
Min
Ratio
Max
Ratio
n-Ge073.tendl Threshold 928.49 keV
n-Ge073.endfb8.0 Threshold 944.59 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^1
10^0
4
4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
31
Incident Energy (eV)
32-Ge-73

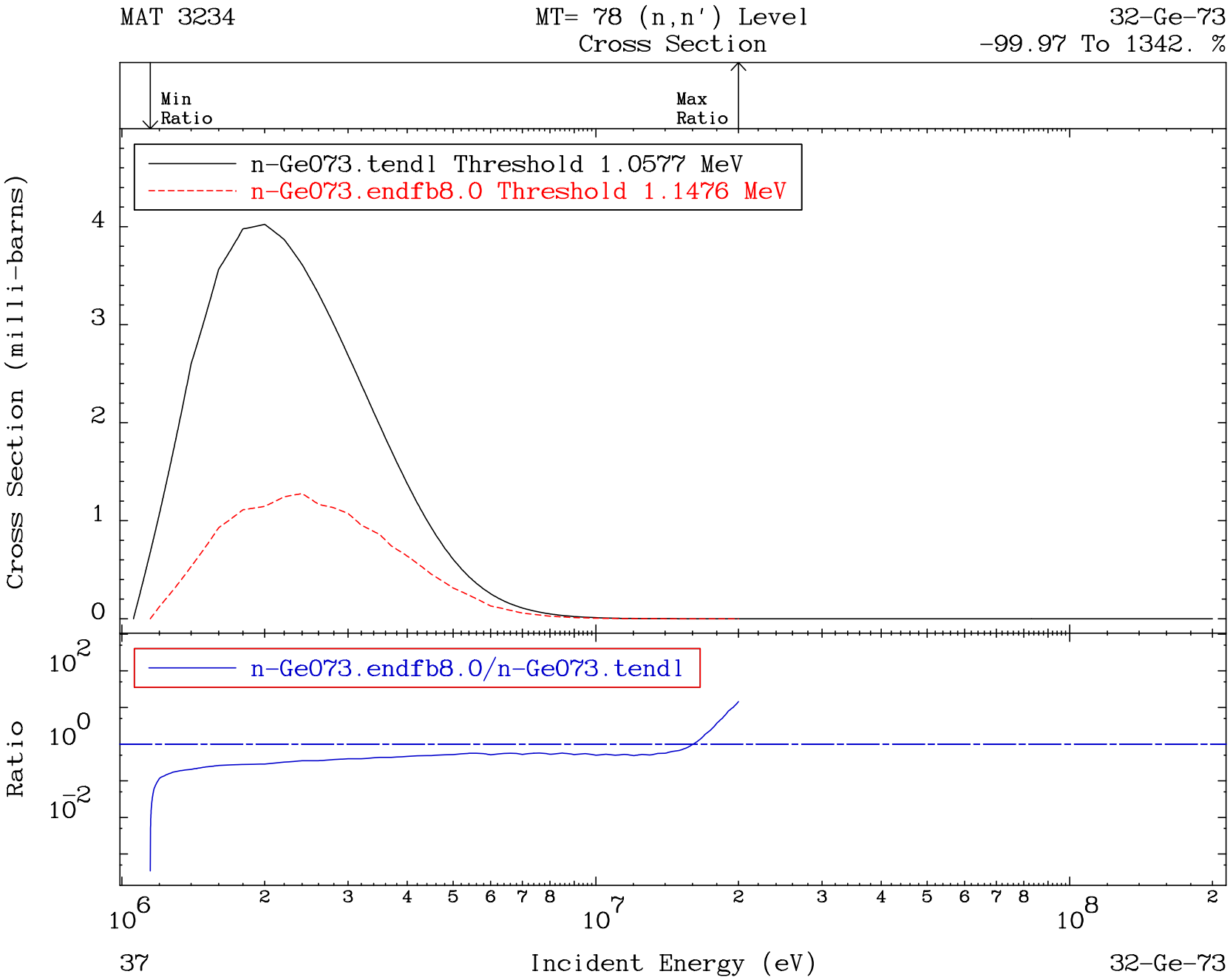

MAT 3234
MT= 73 (n,n') Level
Cross Section
32-Ge-73
218.3 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 944.46 keV
n-Ge073.endfb8.0 Threshold 1.0074 MeV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
32
32-Ge-73

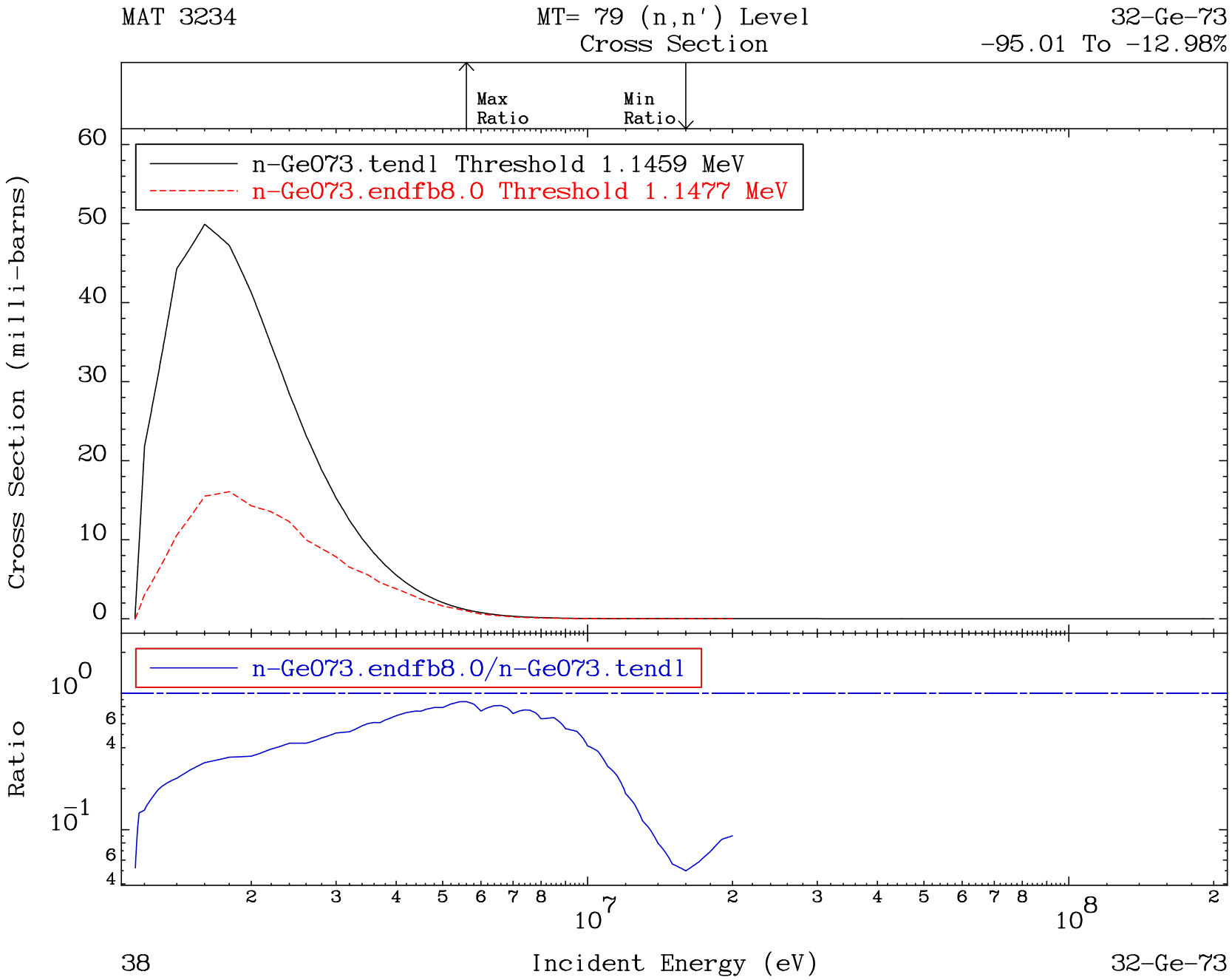

MAT 3234
MT= 74 (n,n') Level
Cross Section
32-Ge-73
-99.58 To -59.88%
Min
Ratio
Max
Ratio
n-Ge073.tendl Threshold 1.0078 MeV
n-Ge073.endfb8.0 Threshold 1.0402 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^-1
10^-2
4
10^6
2
3
4
5
6
7
8
10^7
10^8
33
Incident Energy (eV)
32-Ge-73

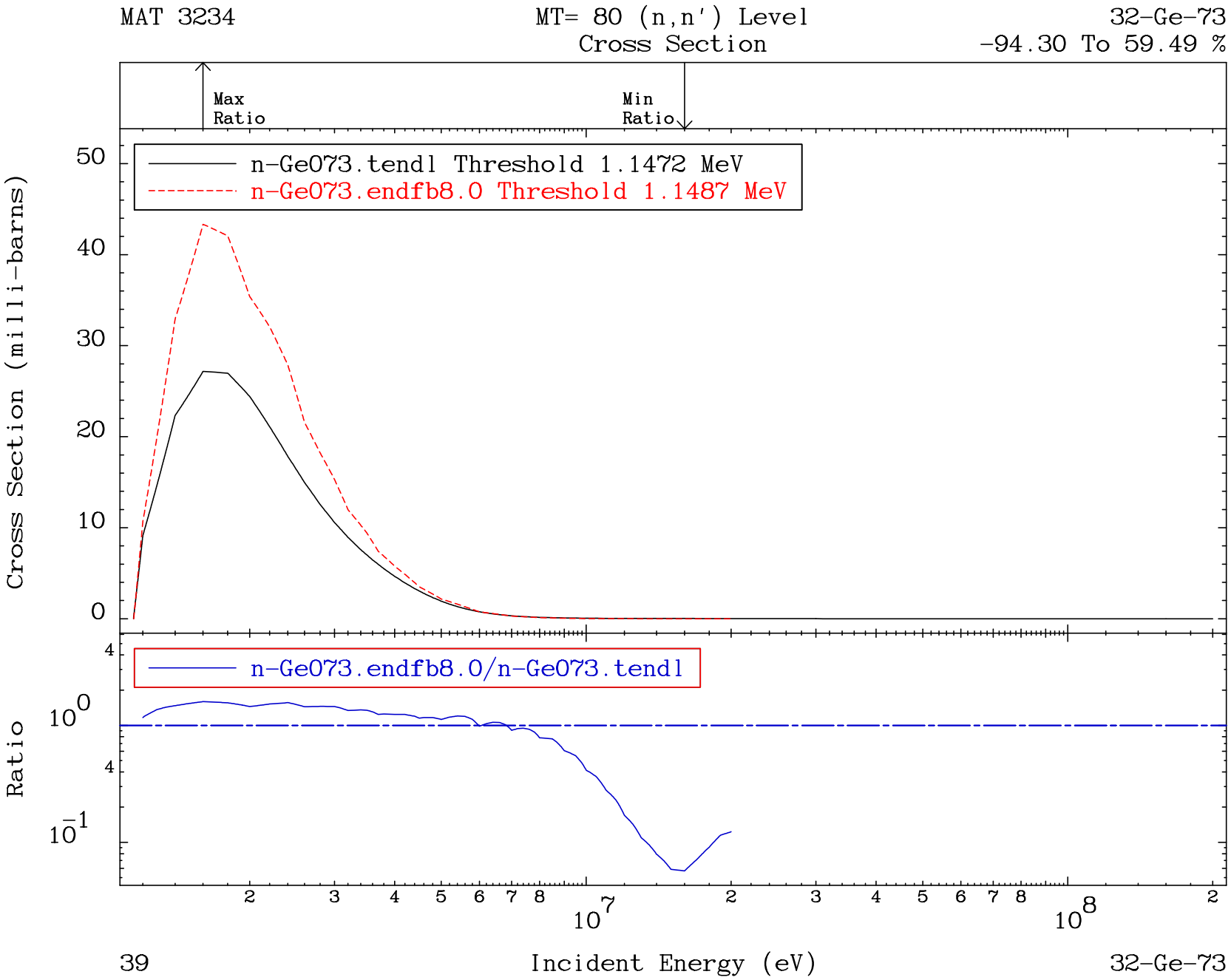

MAT 3234
MT= 75 (n,n') Level
Cross Section
32-Ge-73
-95.52 To 38.88 %
Max
Ratio
Min
Ratio
n-Ge073.tendl Threshold 1.0241 MeV
n-Ge073.endfb8.0 Threshold 1.0534 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^-1
4
4
4
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
32-Ge-73

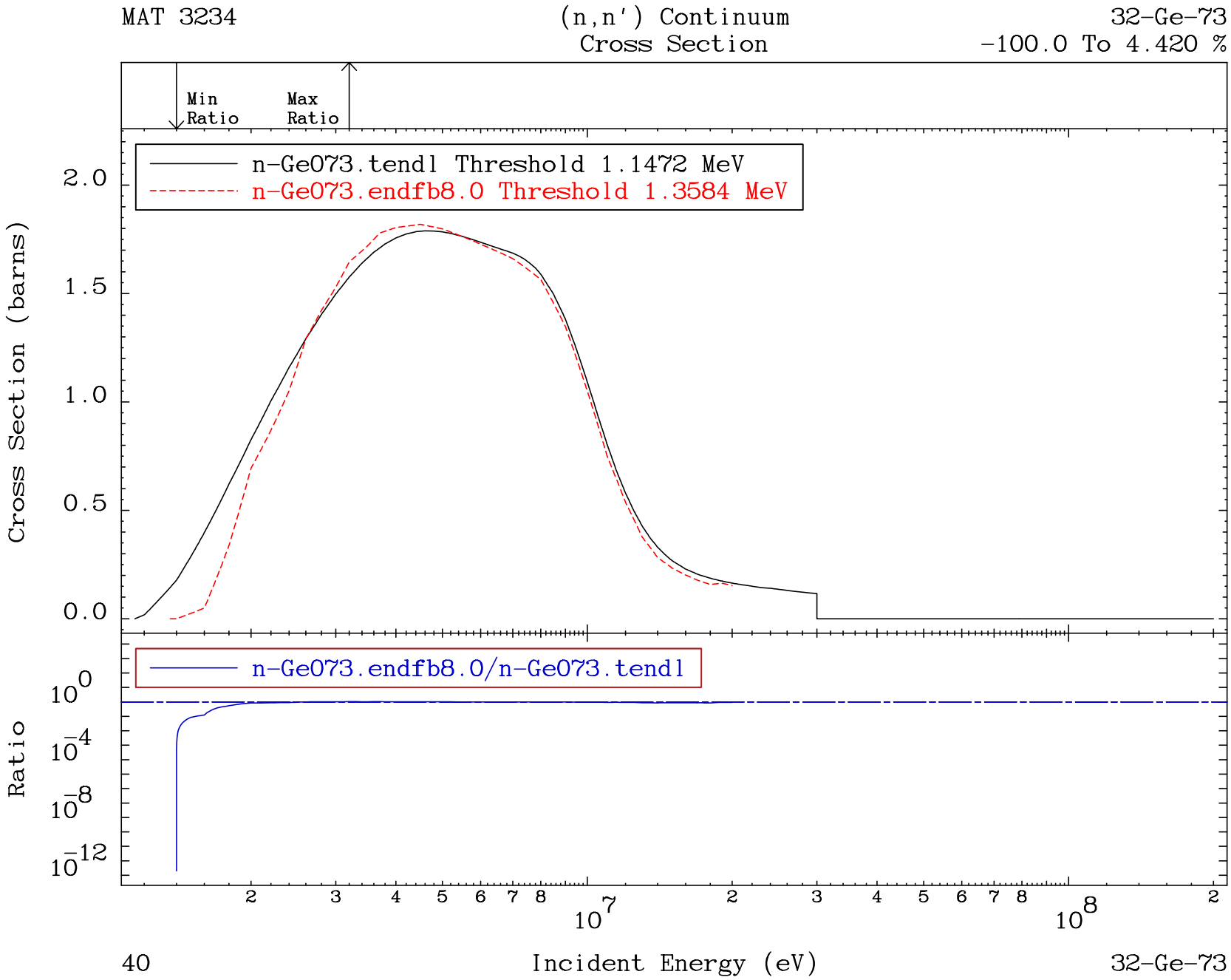

MAT 3234
MT= 76 (n,n') Level
Cross Section
32-Ge-73
4.139 To 4270. %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 1.0402 MeV
n-Ge073.endfb8.0 Threshold 1.0576 MeV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
35
32-Ge-73

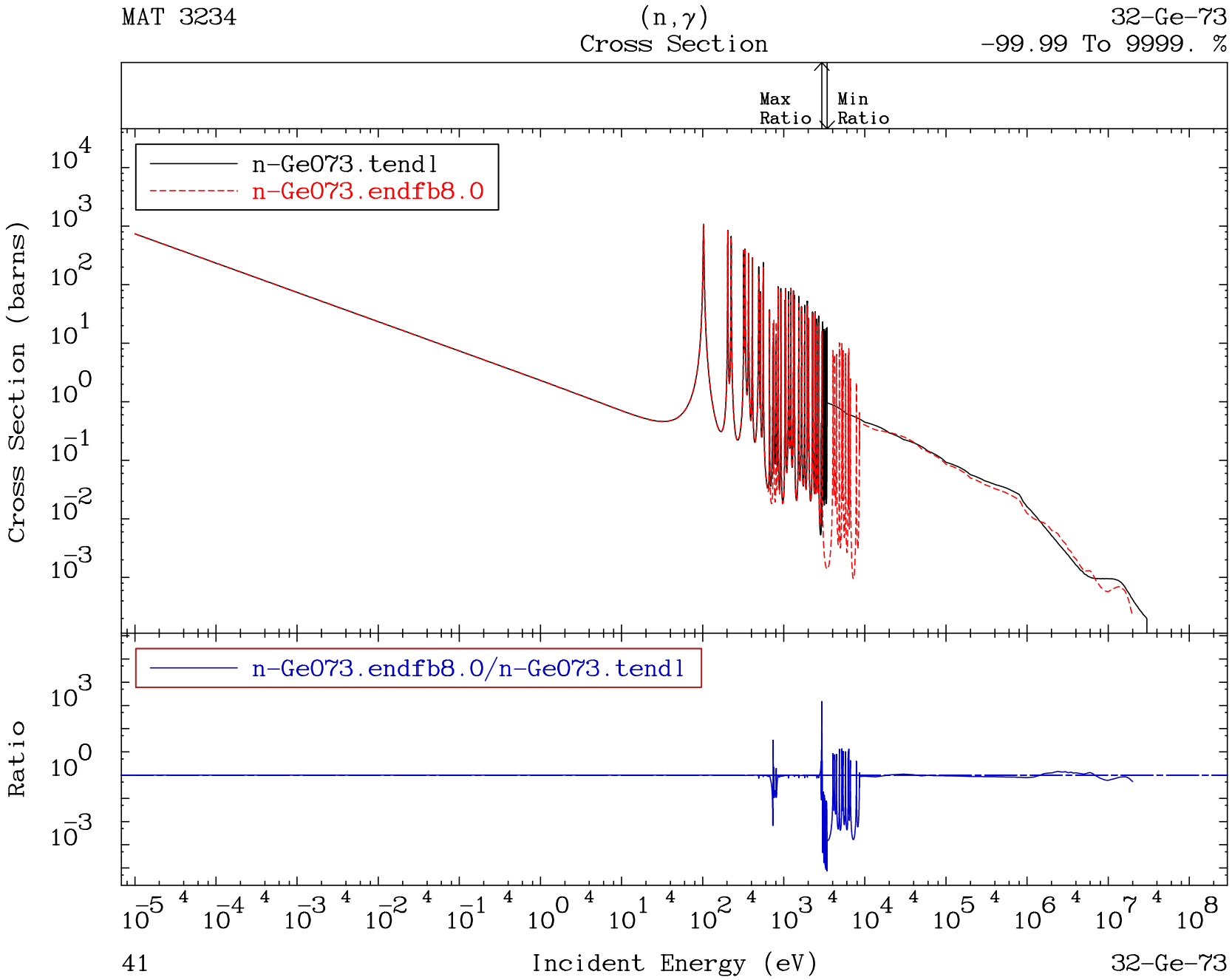

MAT 3234
MT= 77 (n,n') Level
Cross Section
32-Ge-73
-97.83 To 52.79 %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 1.0534 MeV
n-Ge073.endfb8.0 Threshold 1.1461 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^-1
10^6
10^7
10^8
Incident Energy (eV)
36
32-Ge-73

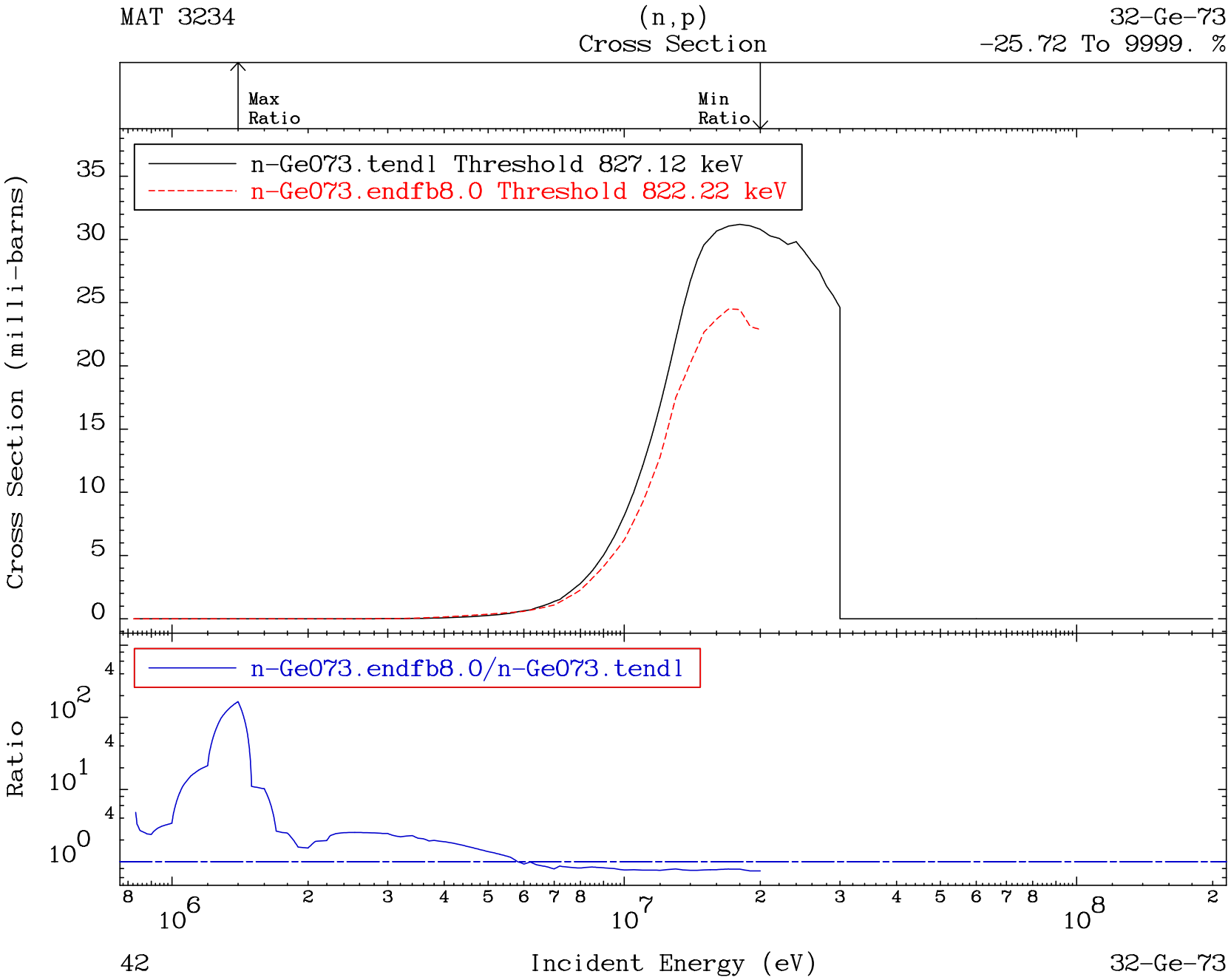

MAT 3234
MT= 78 (n,n') Level
Cross Section
32-Ge-73
-99.97 To 1342. %
Min
Ratio
Max
Ratio
n-Ge073.tendl Threshold 1.0577 MeV
n-Ge073.endfb8.0 Threshold 1.1476 MeV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
37
32-Ge-73

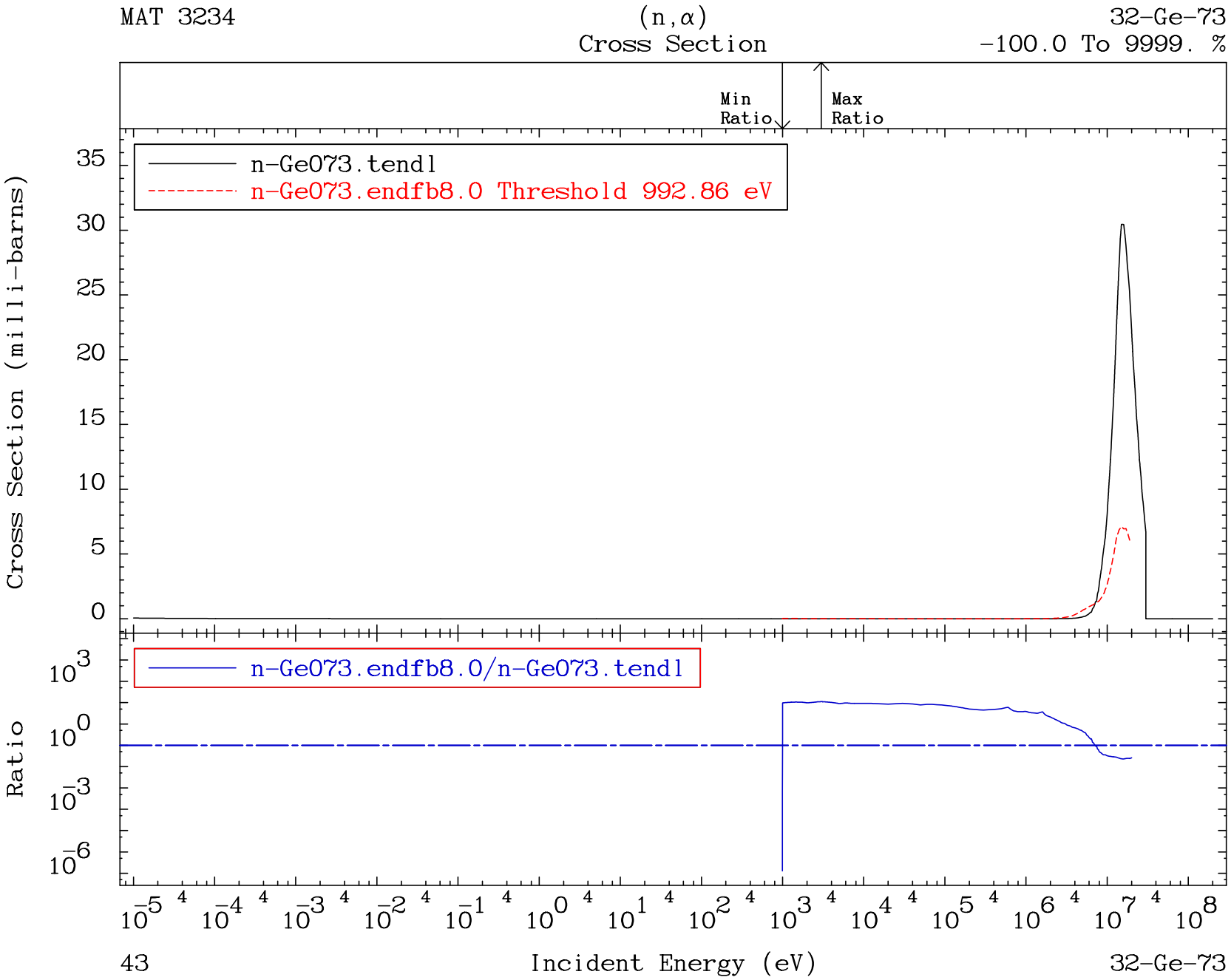

MAT 3234
MT= 79 (n,n') Level
Cross Section
32-Ge-73
-95.01 To -12.98%
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 1.1459 MeV
n-Ge073.endfb8.0 Threshold 1.1477 MeV
Cross Section (milli-barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
38
32-Ge-73

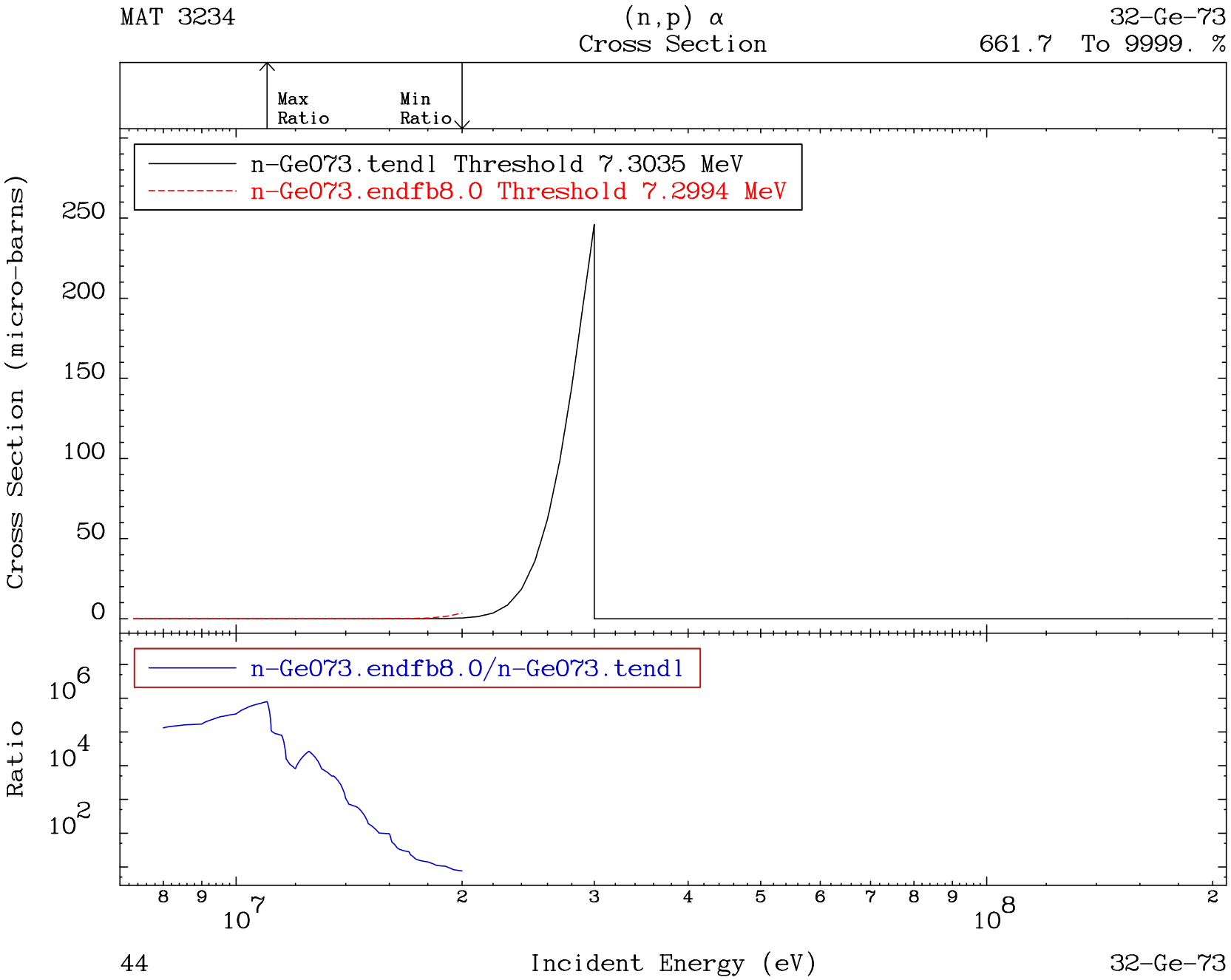

MAT 3234
MT= 80 (n,n') Level
Cross Section
32-Ge-73
-94.30 To 59.49 %
Max
Ratio
Min
Ratio
n-Ge073.tendl Threshold 1.1472 MeV
n-Ge073.endfb8.0 Threshold 1.1487 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
4
10^{0}
4
10^{-1}
2
3
4
5
6
7
8
10^{7}
2
3
4
5
6
7
8
10^{8}
2
39
Incident Energy (eV)
32-Ge-73

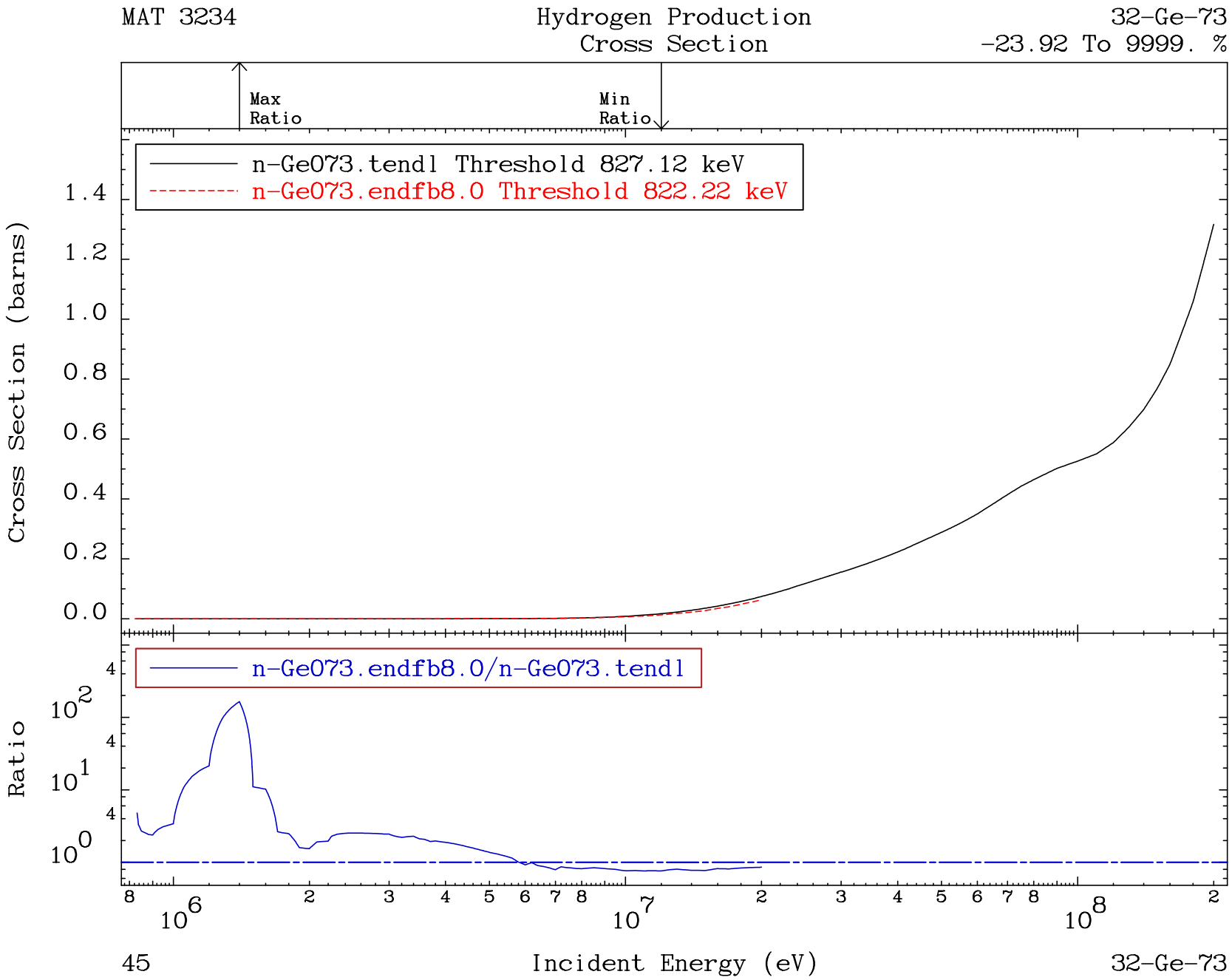

MAT 3234
(n,n') Continuum
Cross Section
32-Ge-73
-100.0 To 4.420 %
Min Ratio
Max Ratio
n-Ge073.tendl Threshold 1.1472 MeV
n-Ge073.endfb8.0 Threshold 1.3584 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^-4
10^-8
10^-12
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
32-Ge-73

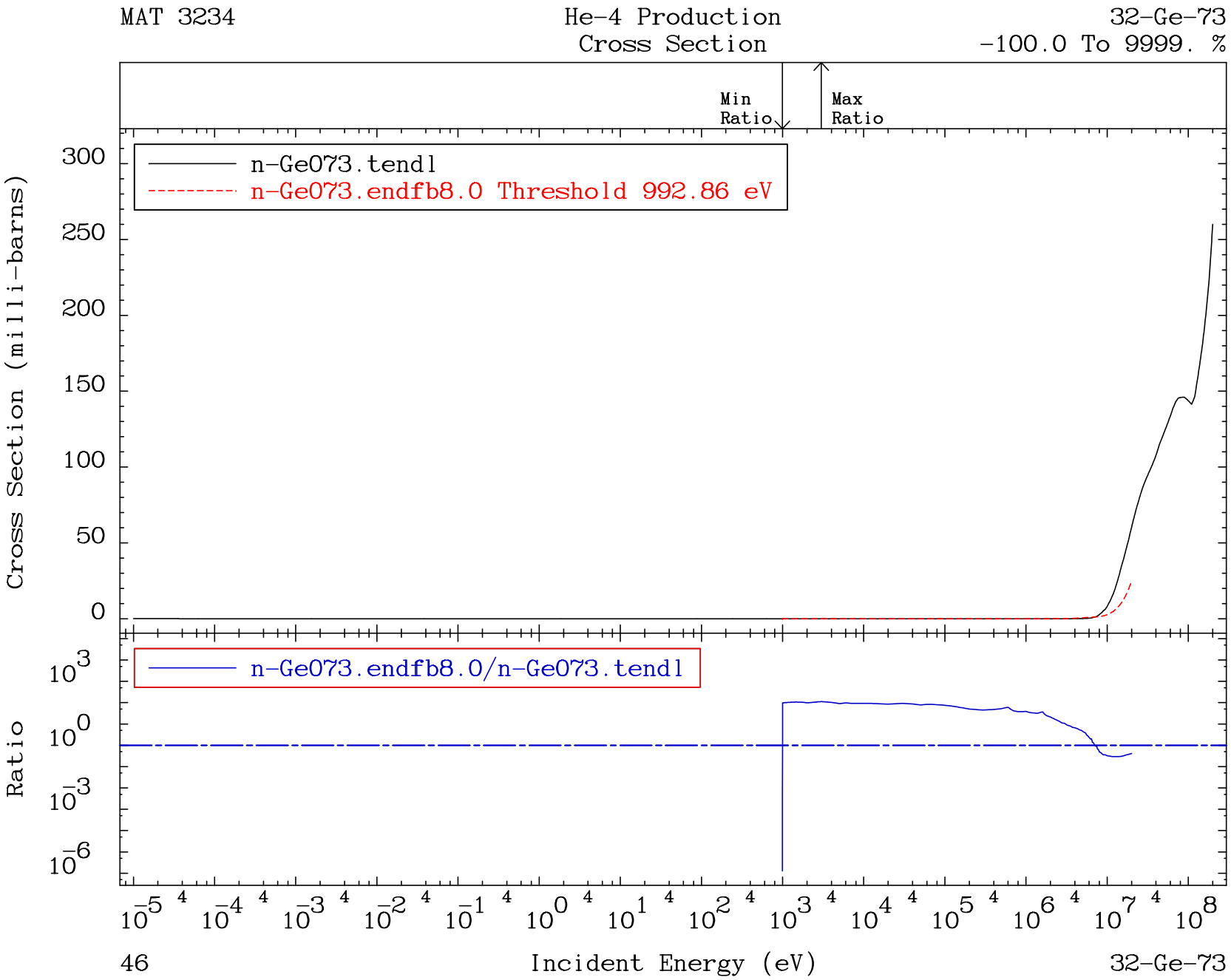

MAT 3234
(n,γ)
Cross Section
32-Ge-73
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
41
Incident Energy (eV)
32-Ge-73

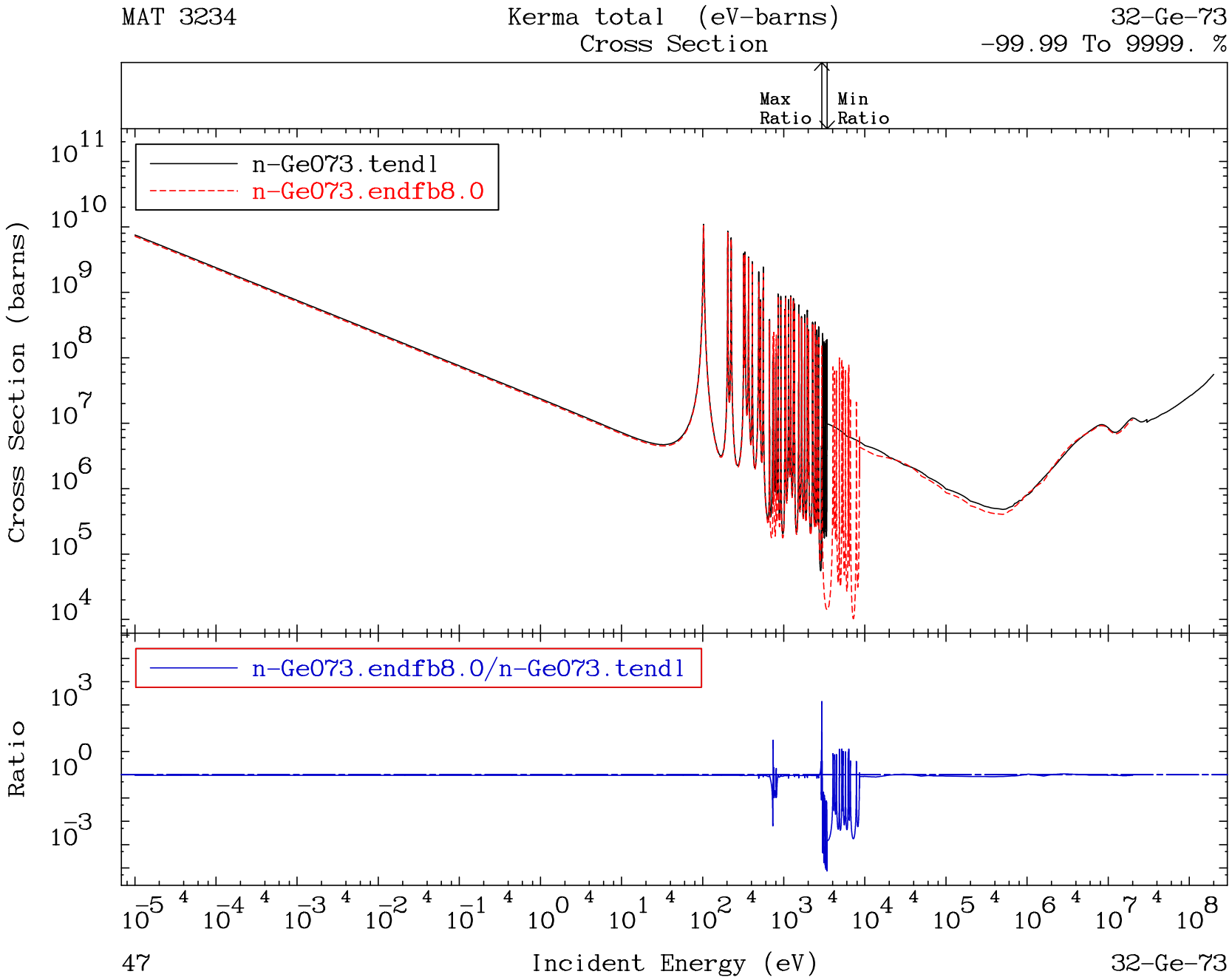

MAT 3234
(n,p)
Cross Section
32-Ge-73
-25.72 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 827.12 keV
n-Ge073.endfb8.0 Threshold 822.22 keV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^1
10^0
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
42
Incident Energy (eV)
32-Ge-73

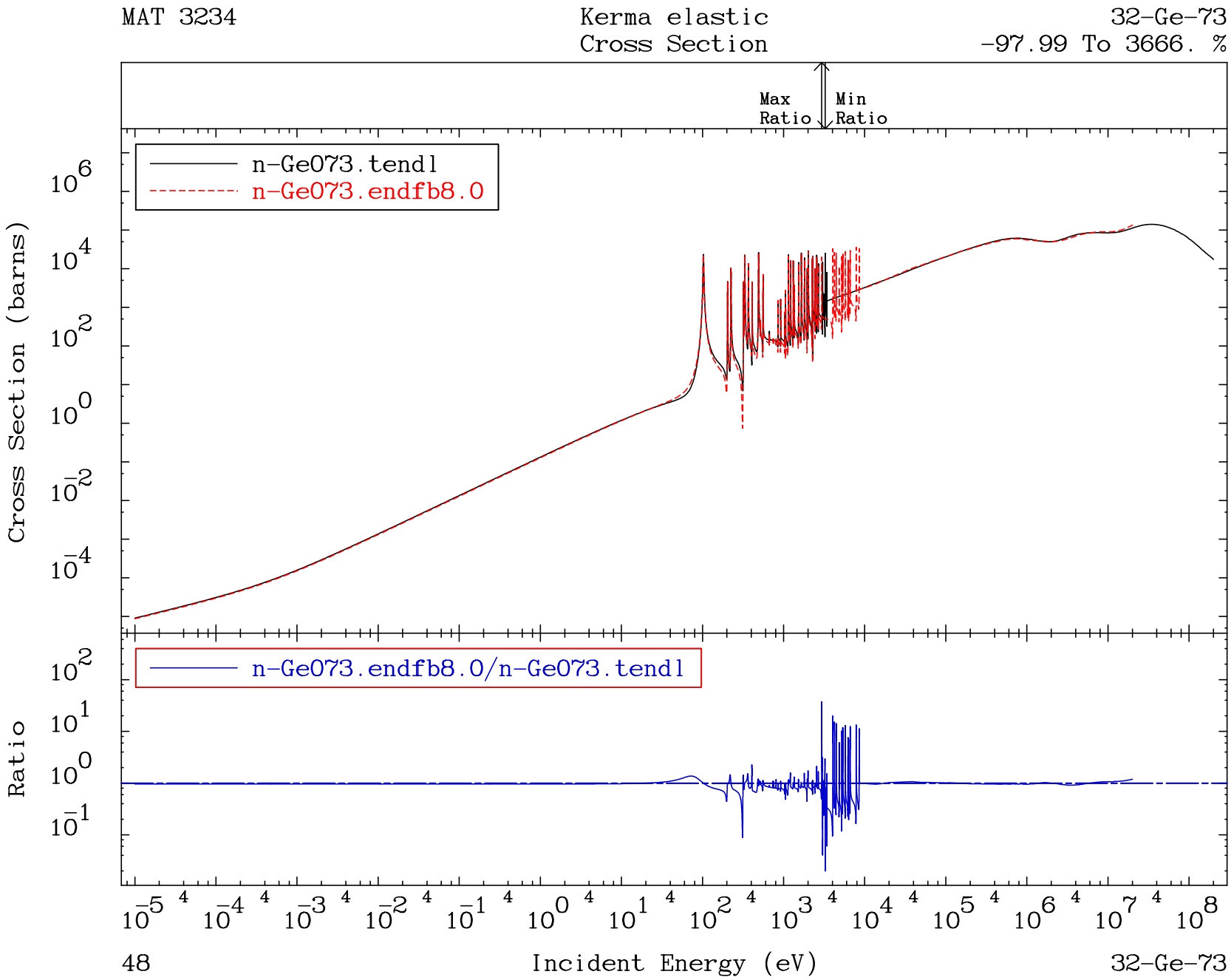

MAT 3234
(n,α)
Cross Section
32-Ge-73
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl
n-Ge073.endfb8.0 Threshold 992.86 eV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^3
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
32-Ge-73

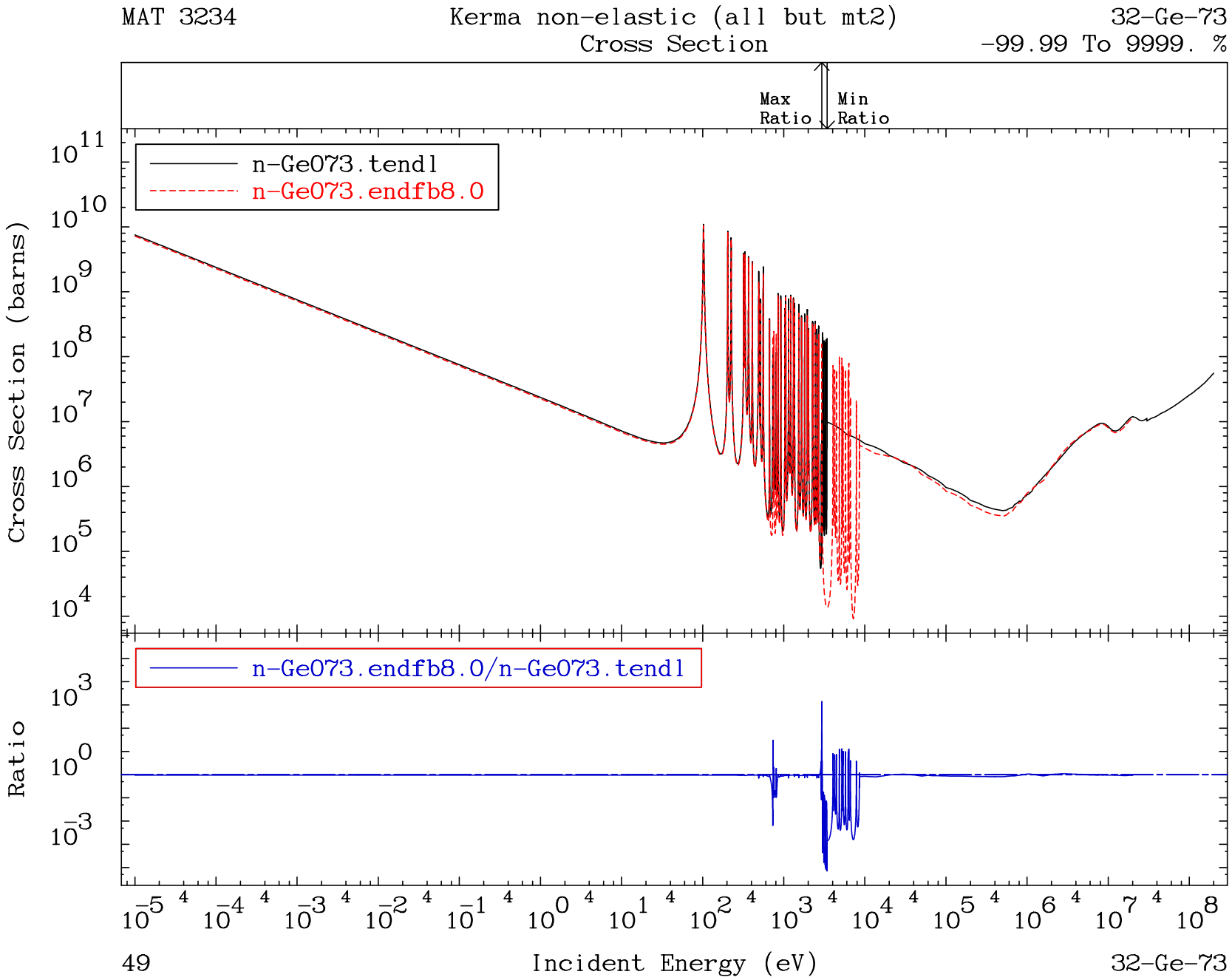

MAT 3234
(n,p) α
Cross Section
32-Ge-73
661.7 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 7.3035 MeV
n-Ge073.endfb8.0 Threshold 7.2994 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^6
10^4
10^2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
32-Ge-73

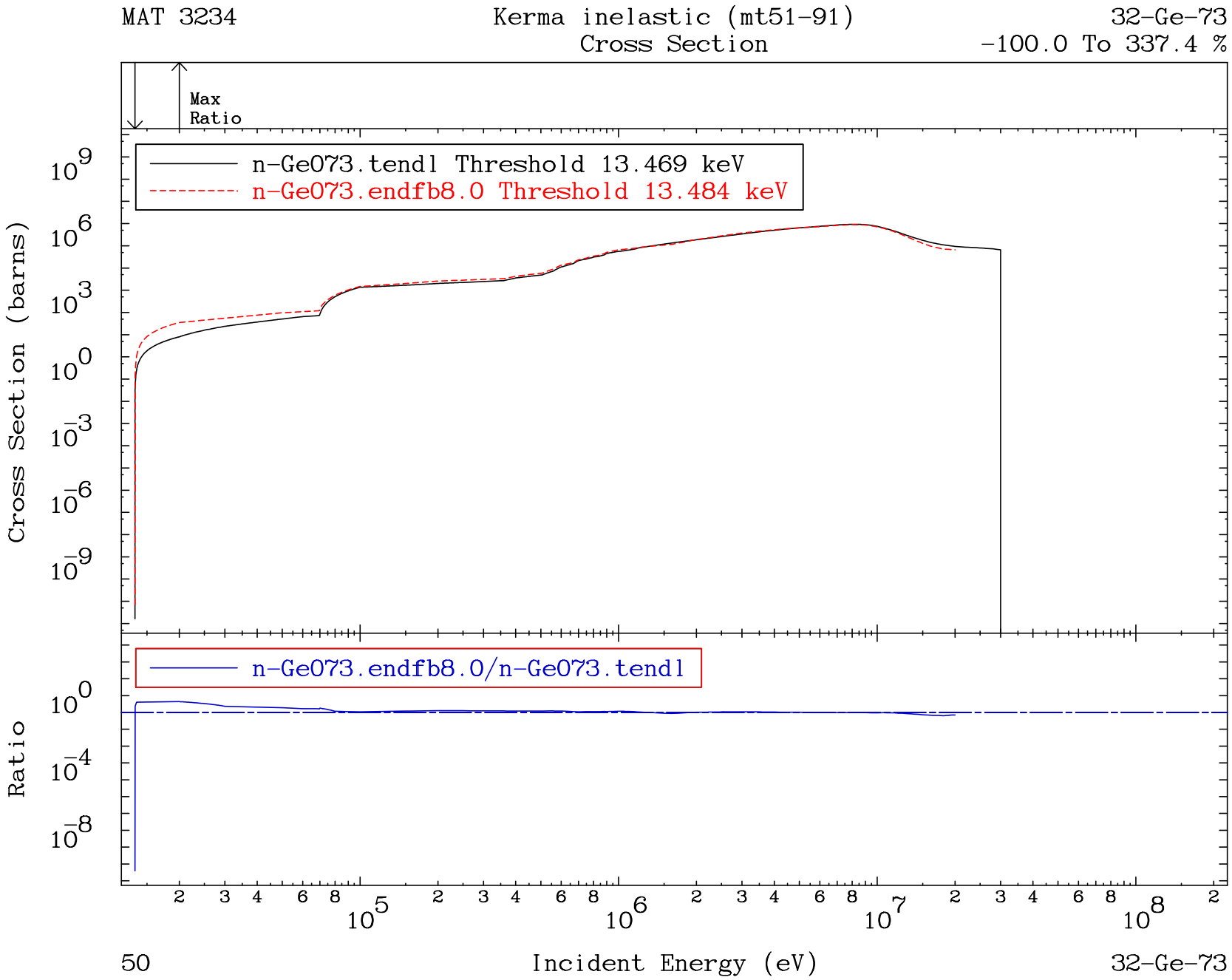

MAT 3234
Hydrogen Production
Cross Section
32-Ge-73
-23.92 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 827.12 keV
n-Ge073.endfb8.0 Threshold 822.22 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^2
10^1
10^0
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
32-Ge-73

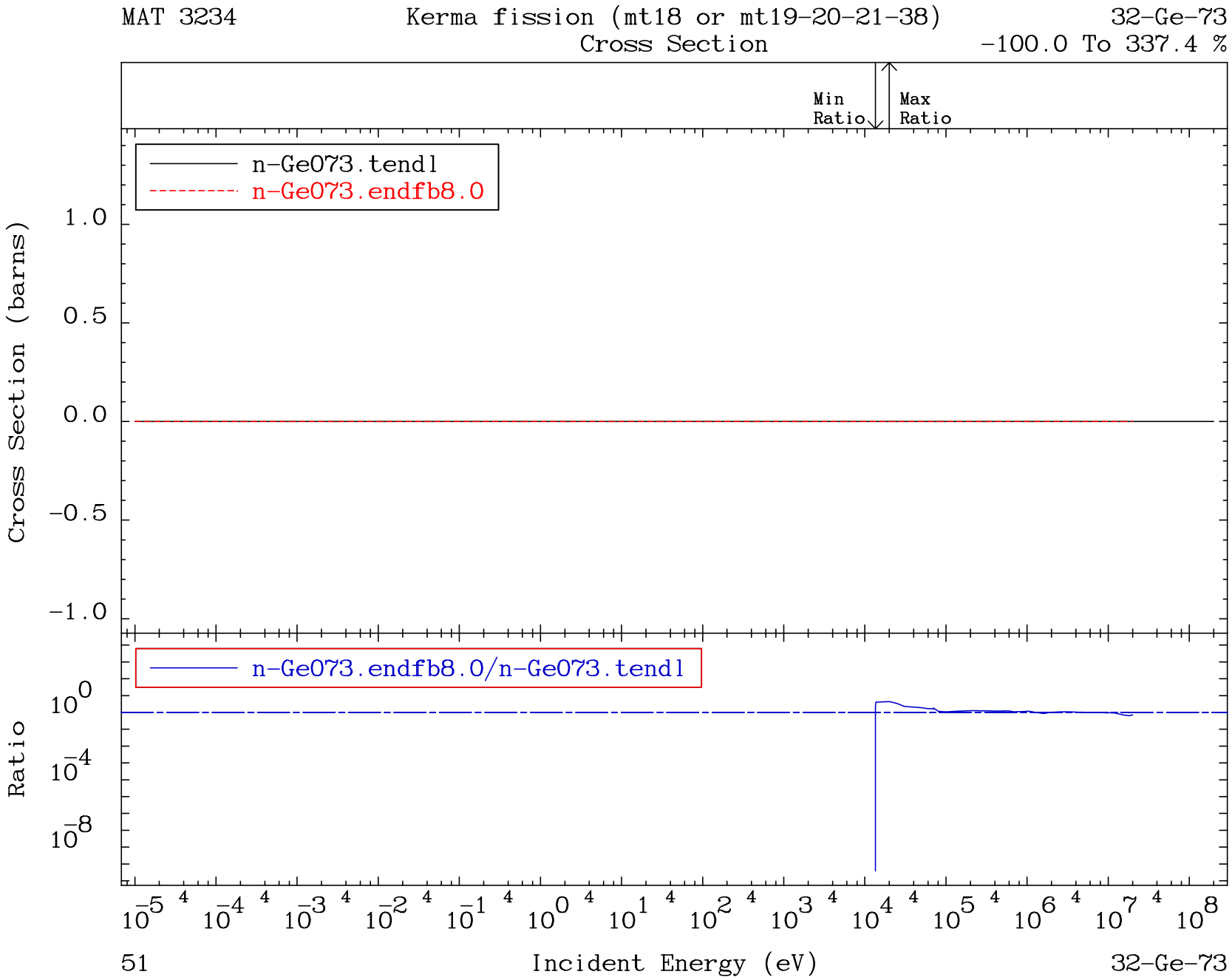

MAT 3234
He-4 Production
Cross Section
32-Ge-73
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Ge073.tendl
n-Ge073.endfb8.0 Threshold 992.86 eV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^3
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
32-Ge-73

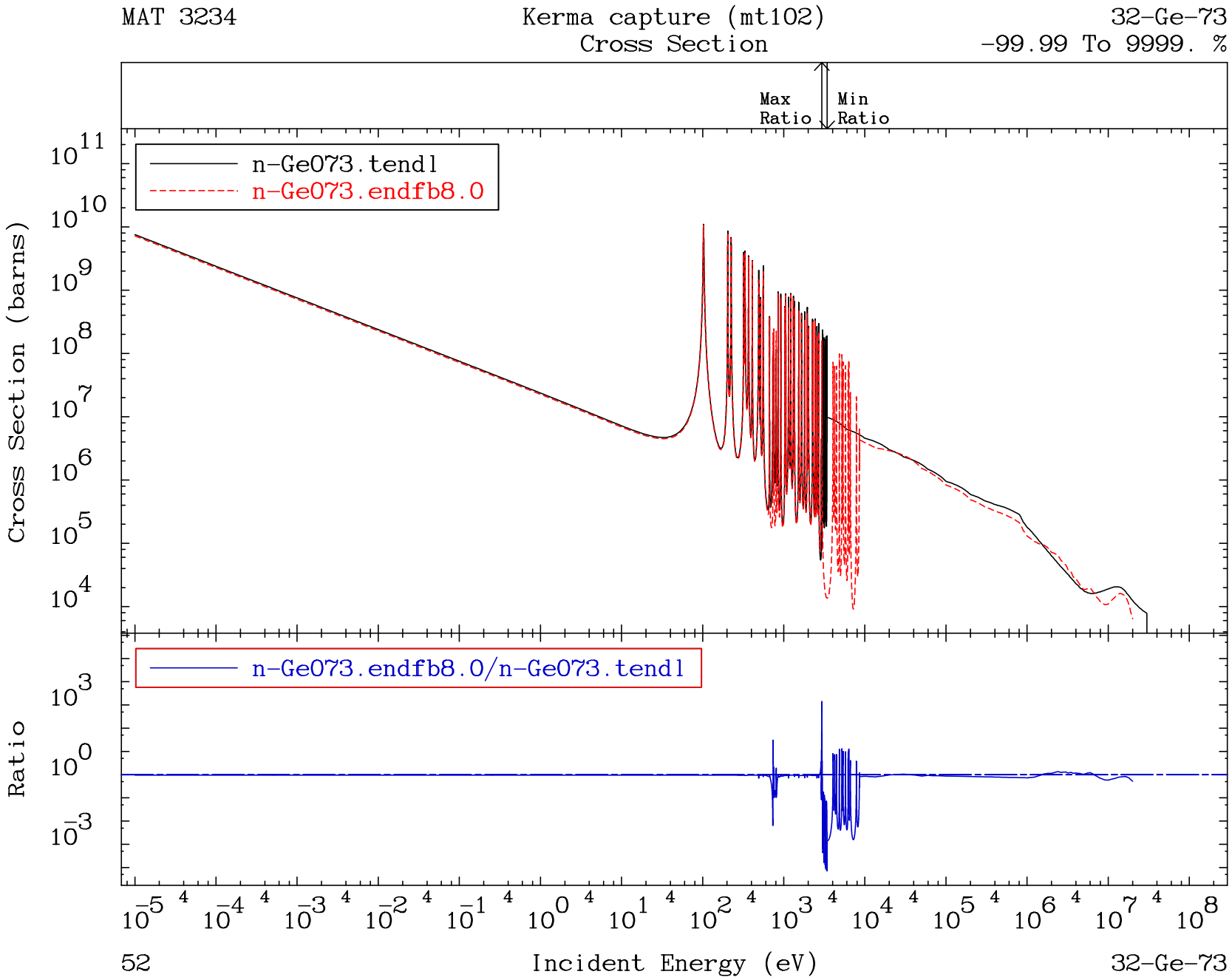

MAT 3234
Kerma total (eV-barns)
Cross Section
32-Ge-73
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
47
32-Ge-73

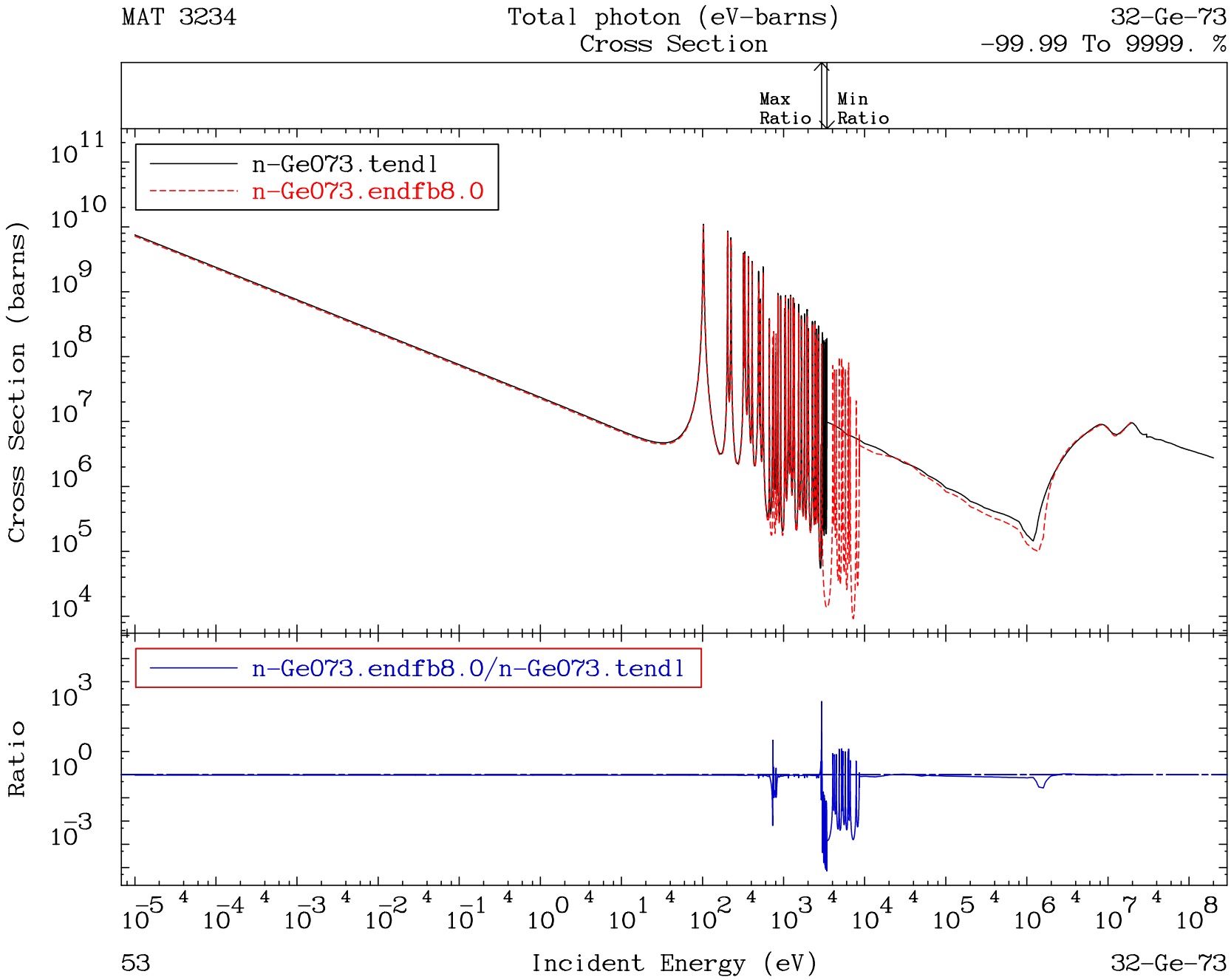

MAT 3234
Kerma elastic
Cross Section
32-Ge-73
-97.99 To 3666. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
48
32-Ge-73

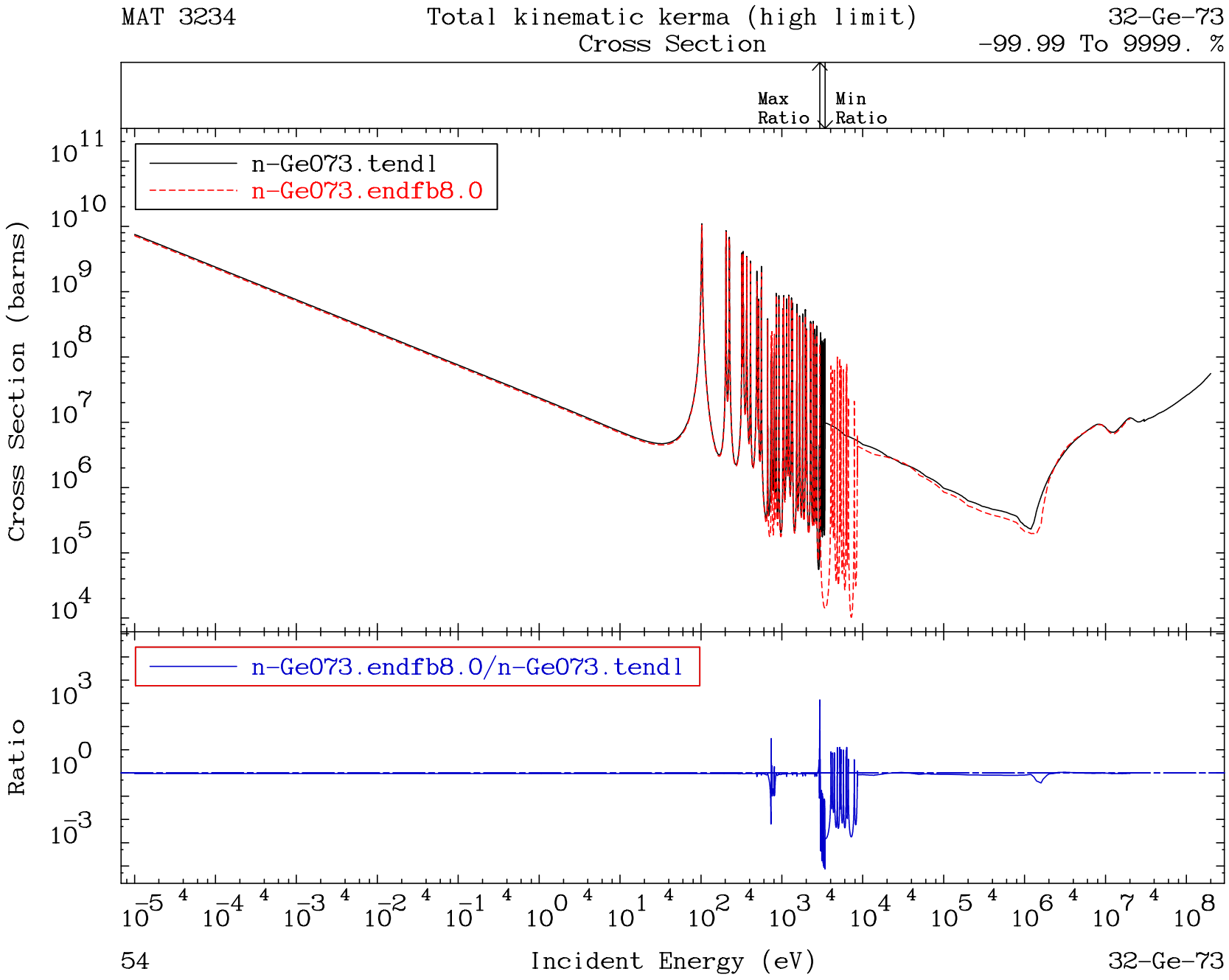

MAT 3234
Kerma non-elastic (all but mt2)
Cross Section
32-Ge-73
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
49
32-Ge-73

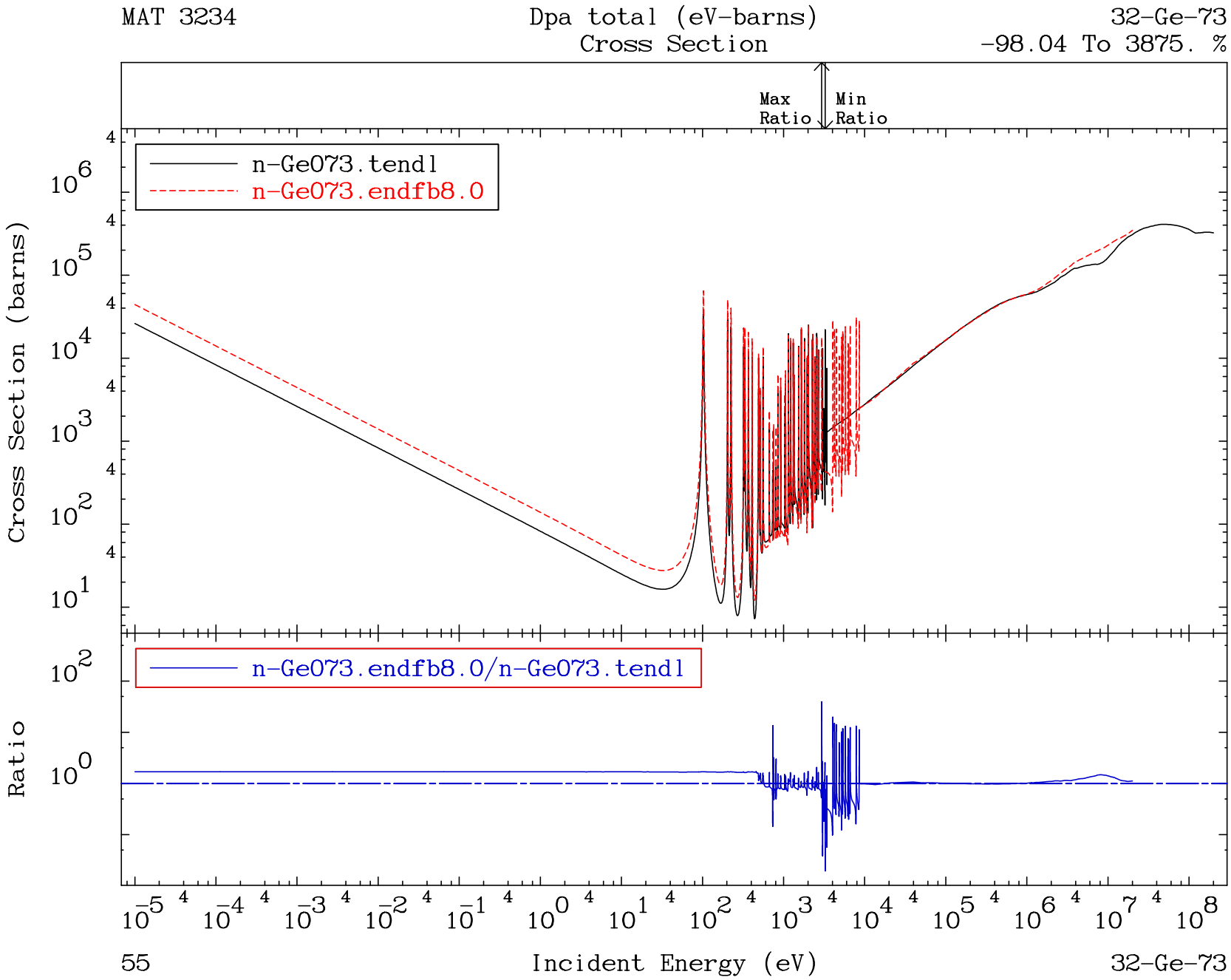

MAT 3234
Kerma inelastic (mt51-91)
Cross Section
32-Ge-73
-100.0 To 337.4 %
Max
Ratio
n-Ge073.tendl Threshold 13.469 keV
n-Ge073.endfb8.0 Threshold 13.484 keV
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
50
32-Ge-73

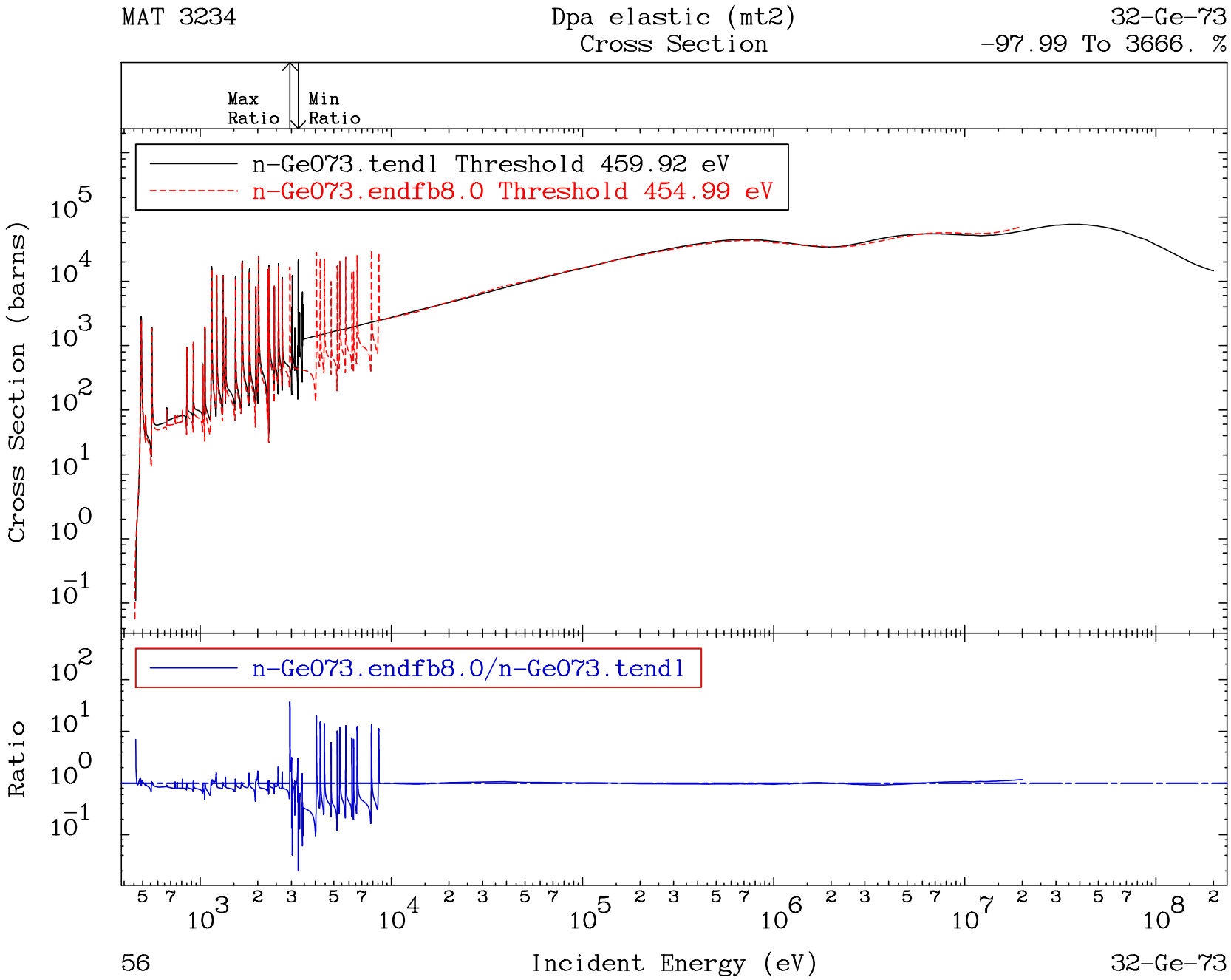

MAT 3234
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
32-Ge-73
-100.0 To 337.4 %
Min Ratio
Max Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^-4
10^-8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
51
Incident Energy (eV)
32-Ge-73

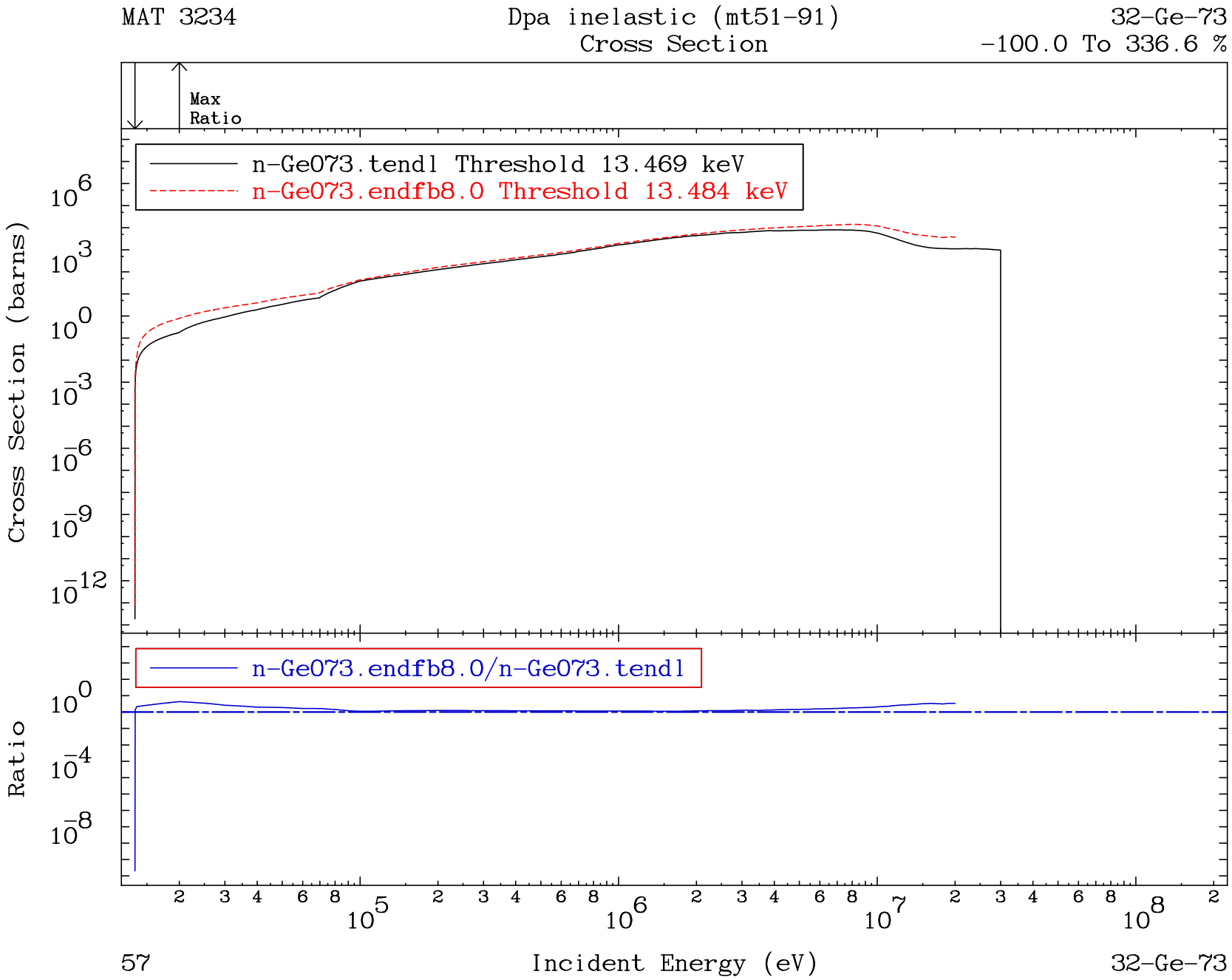

MAT 3234
Kerma capture (mt102)
Cross Section
32-Ge-73
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
52
32-Ge-73

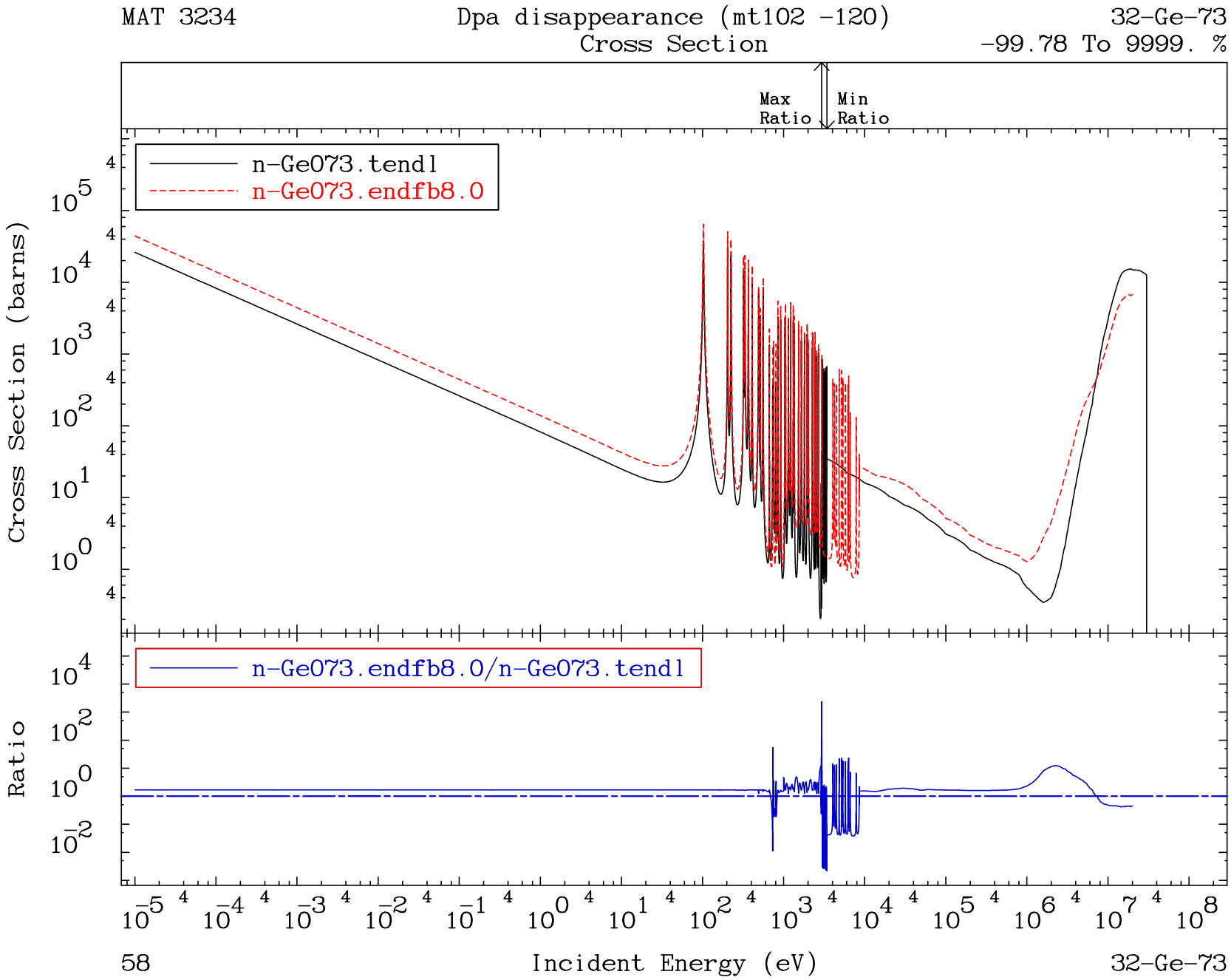

MAT 3234
Total photon (eV-barns)
Cross Section
32-Ge-73
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
53
32-Ge-73


MAT 3234
Total kinematic kerma (high limit)
Cross Section
32-Ge-73
-99.99 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
54
32-Ge-73


MAT 3234
Dpa total (eV-barns)
Cross Section
32-Ge-73
-98.04 To 3875. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
55
32-Ge-73


MAT 3234
Dpa elastic (mt2)
Cross Section
32-Ge-73
-97.99 To 3666. %
Max Ratio
Min Ratio
n-Ge073.tendl Threshold 459.92 eV
n-Ge073.endfb8.0 Threshold 454.99 eV
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
Incident Energy (eV)
56
32-Ge-73


MAT 3234
Dpa inelastic (mt51-91)
Cross Section
32-Ge-73
-100.0 To 336.6 %
Max
Ratio
n-Ge073.tendl Threshold 13.469 keV
n-Ge073.endfb8.0 Threshold 13.484 keV
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-9
10^-12
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
10^0
10^-4
10^-8
2 3 4 6 8 10^5 2 3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
57
Incident Energy (eV)
32-Ge-73


MAT 3234
Dpa disappearance (mt102 -120)
Cross Section
32-Ge-73
-99.78 To 9999. %
Max Ratio
Min Ratio
n-Ge073.tendl
n-Ge073.endfb8.0
Cross Section (barns)
n-Ge073.endfb8.0/n-Ge073.tendl
Ratio
58
Incident Energy (eV)
32-Ge-73