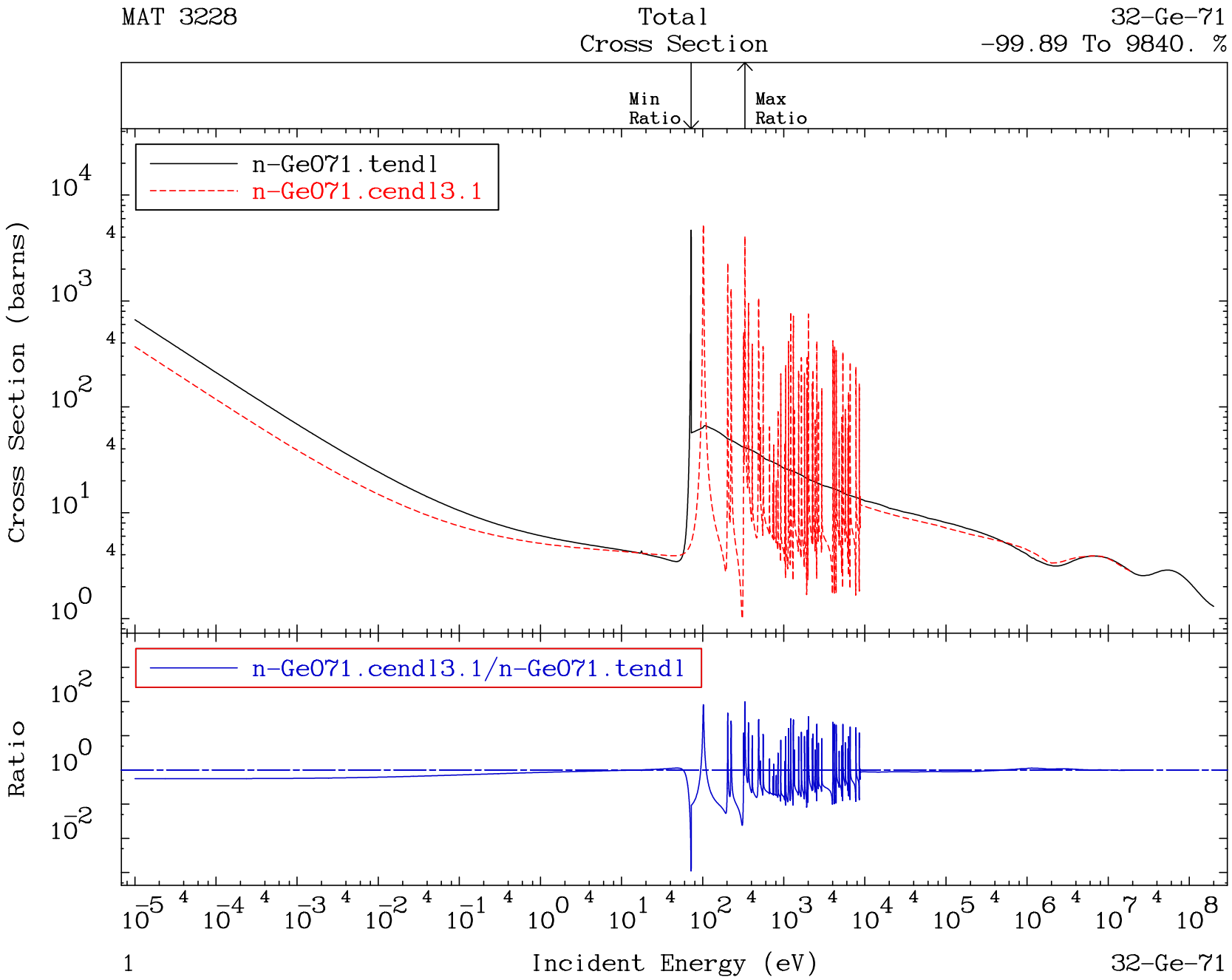
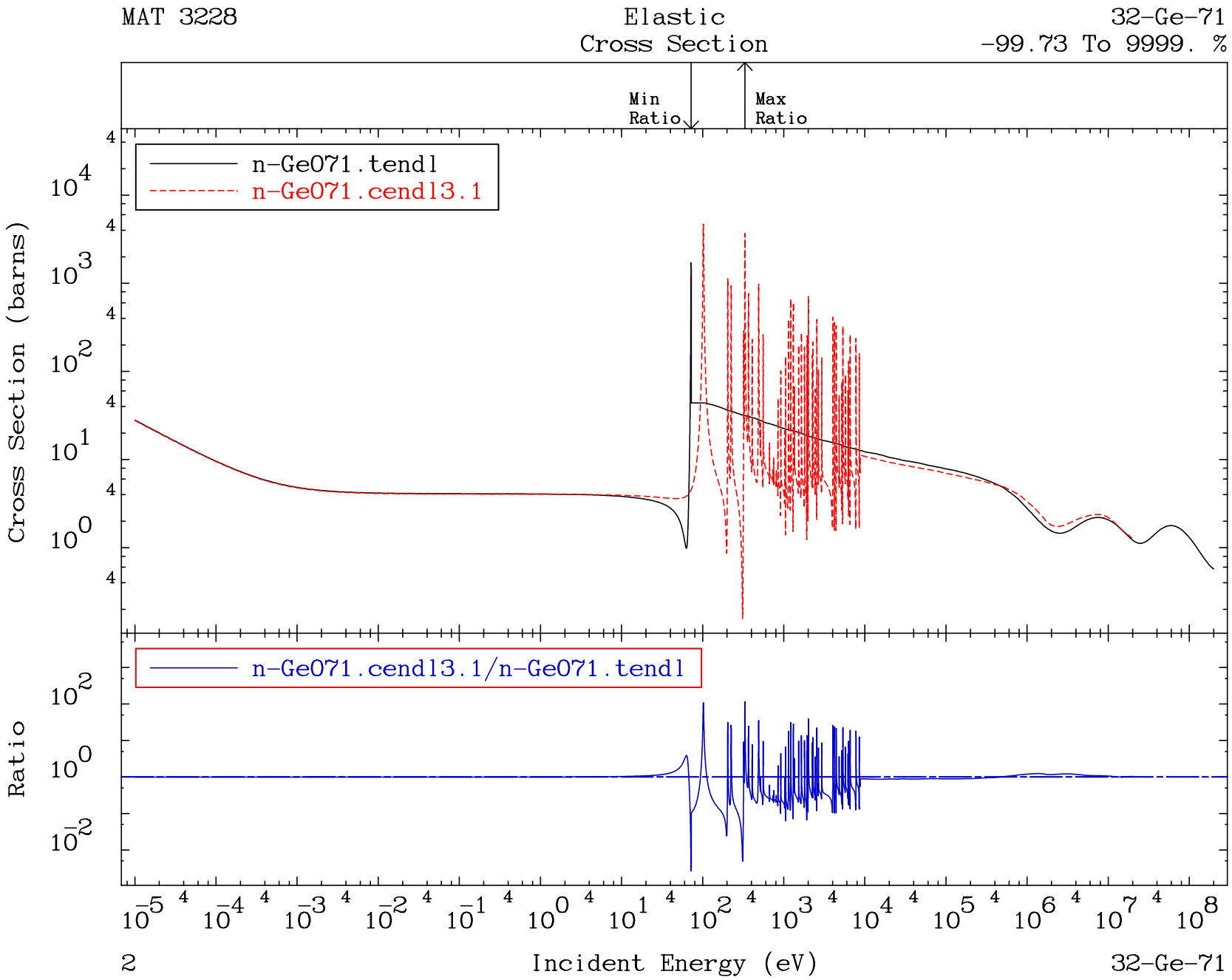
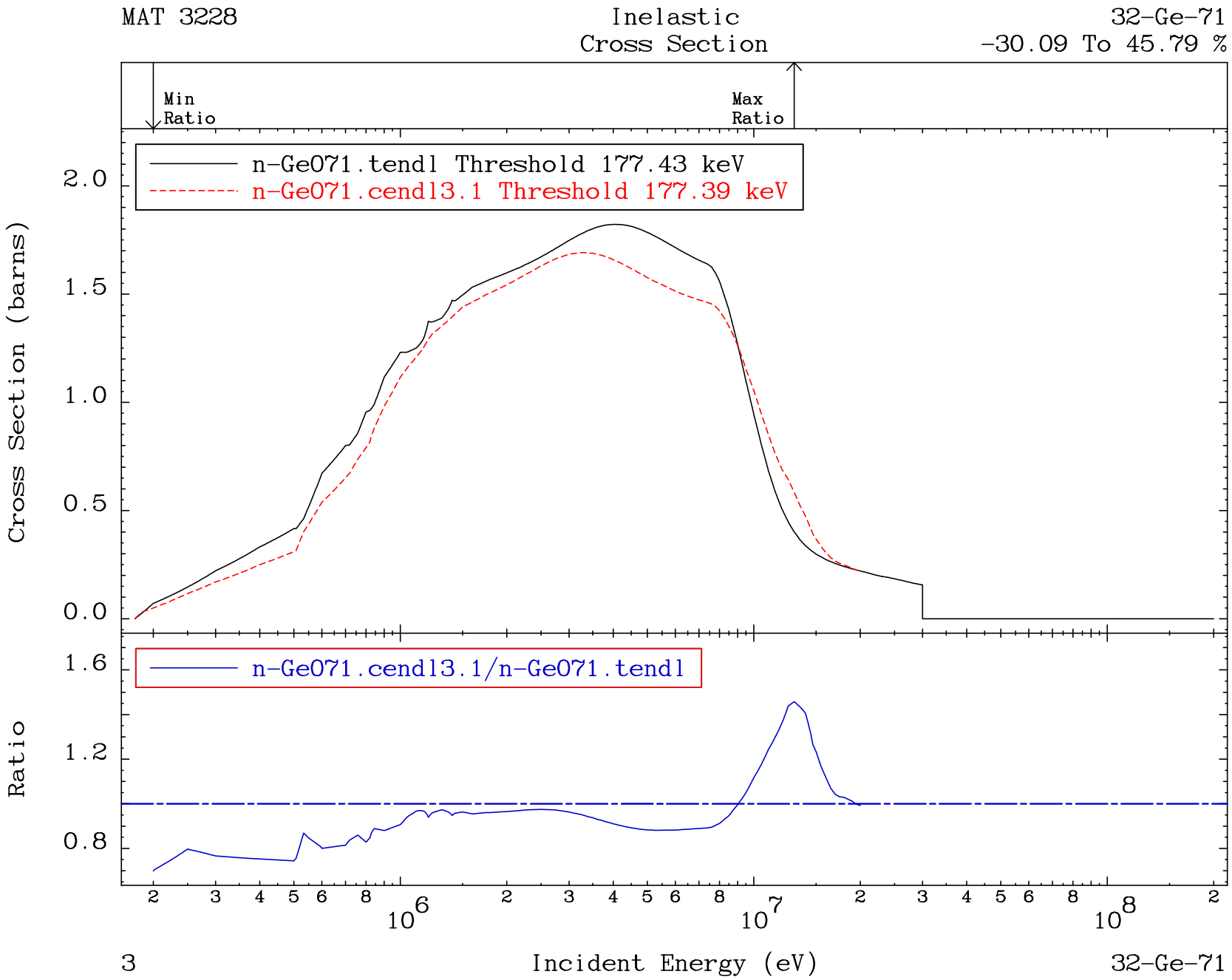
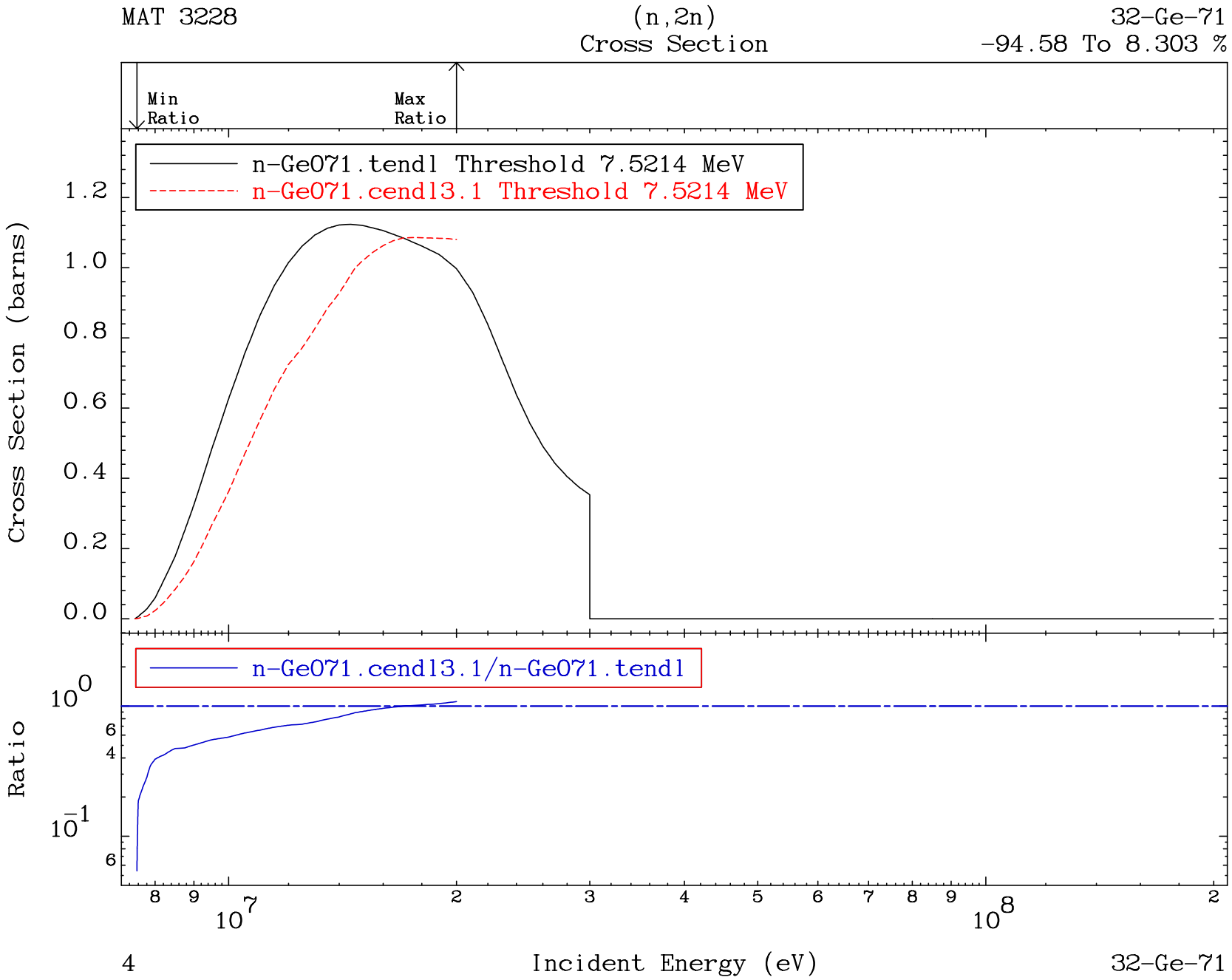
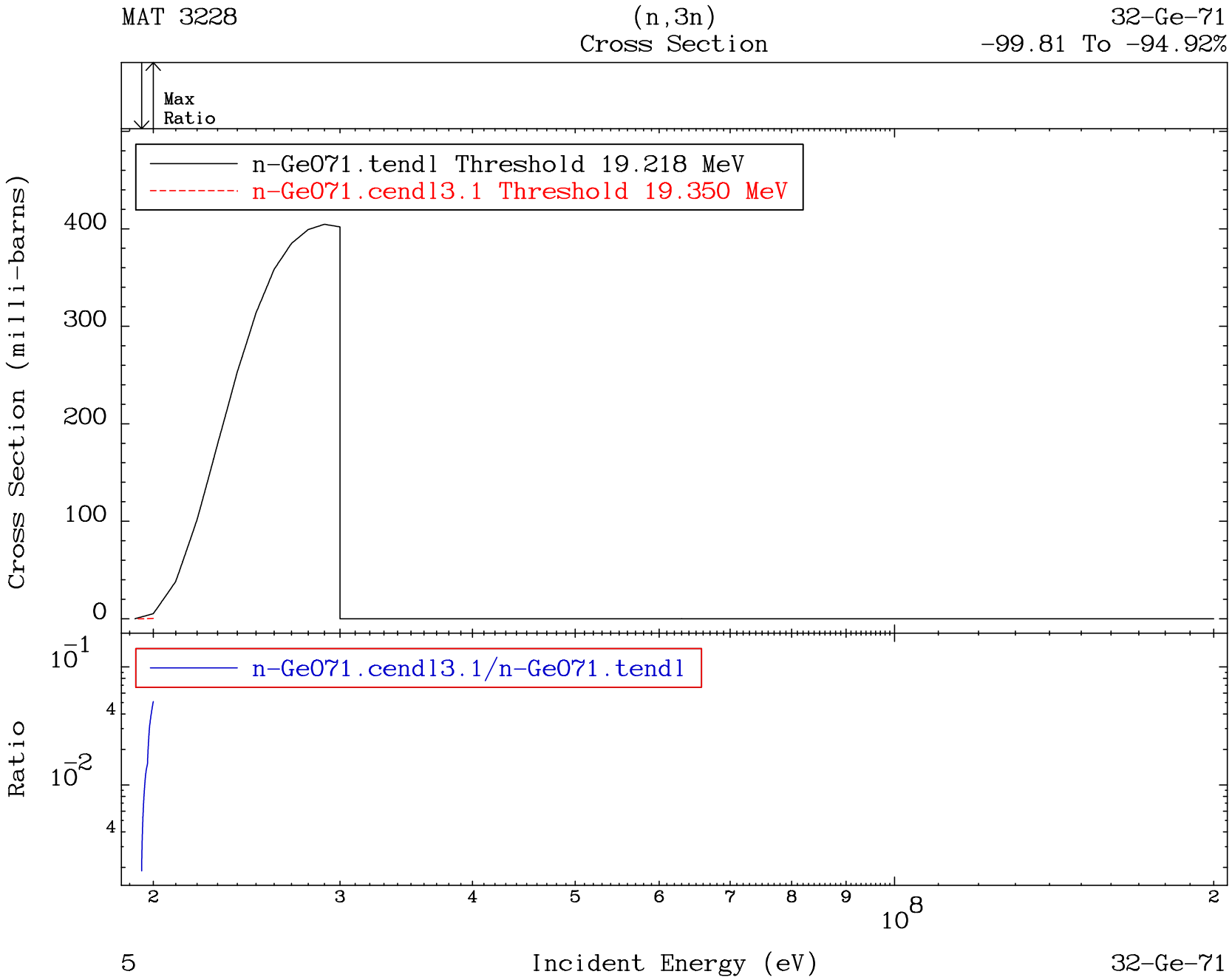
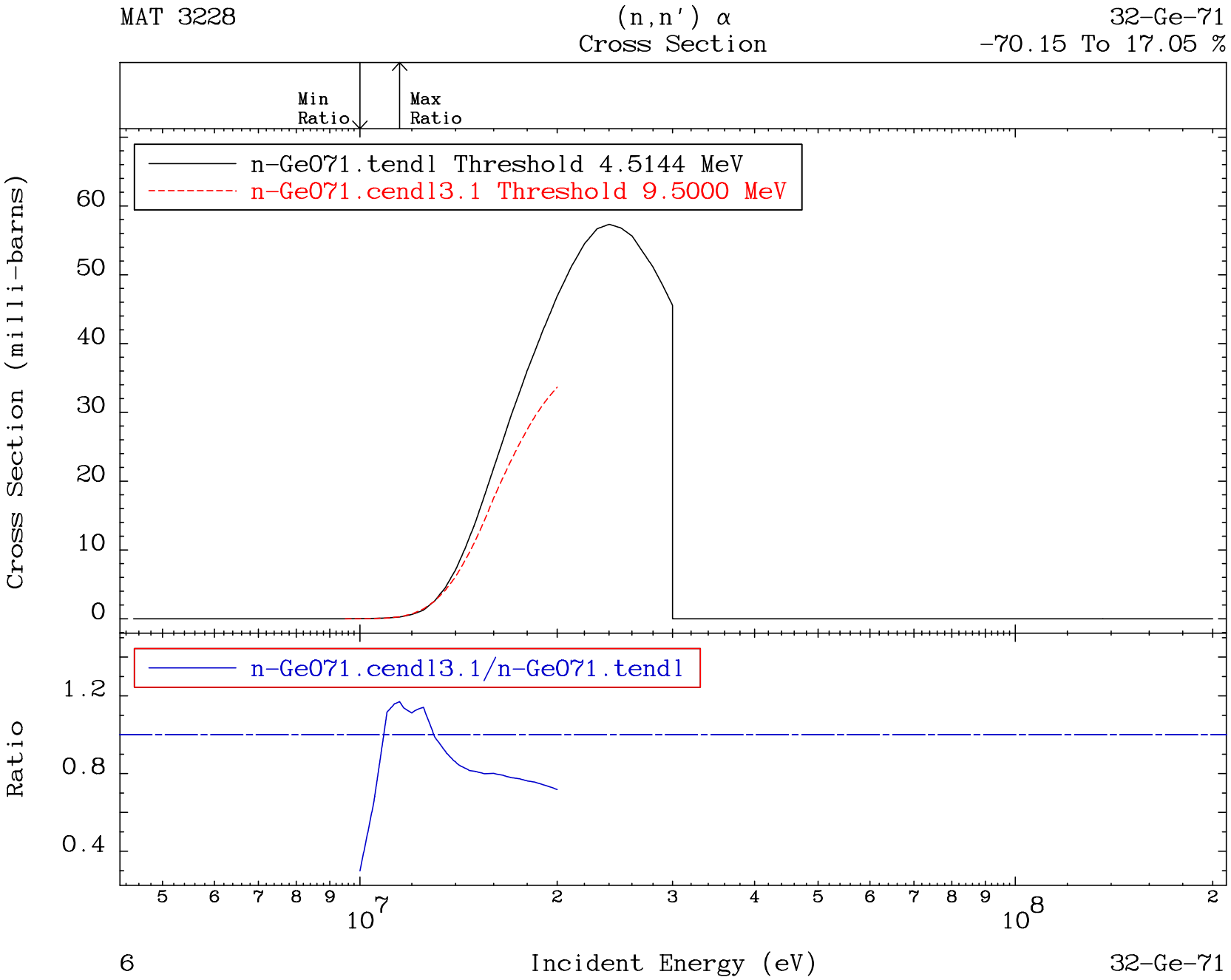

MAT 3228
Total
Cross Section
32-Ge-71
-99.89 To 9840. %
Min
Ratio
Max
Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
1
32-Ge-71

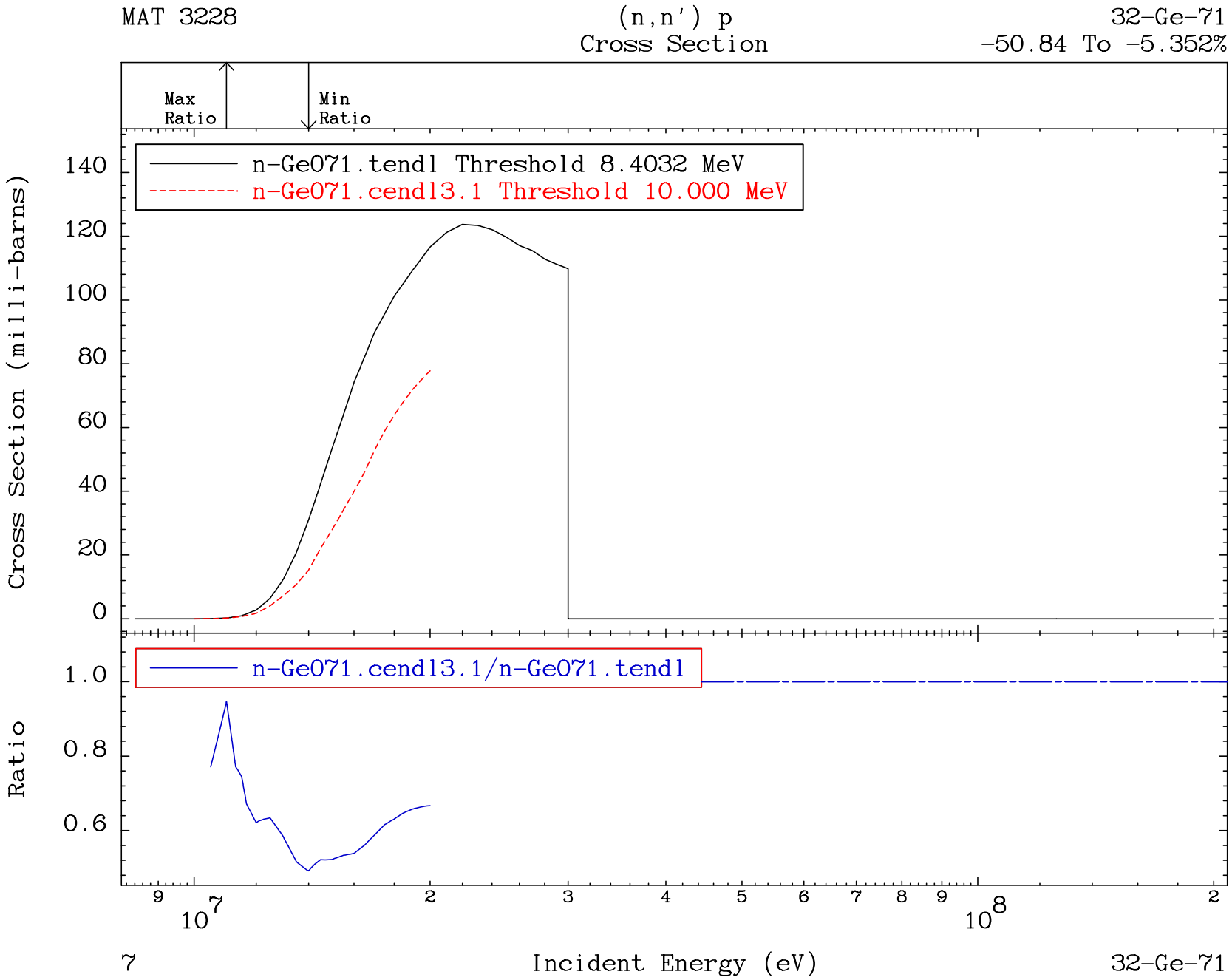

MAT 3228
Elastic
Cross Section
32-Ge-71
-99.73 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
2
32-Ge-71

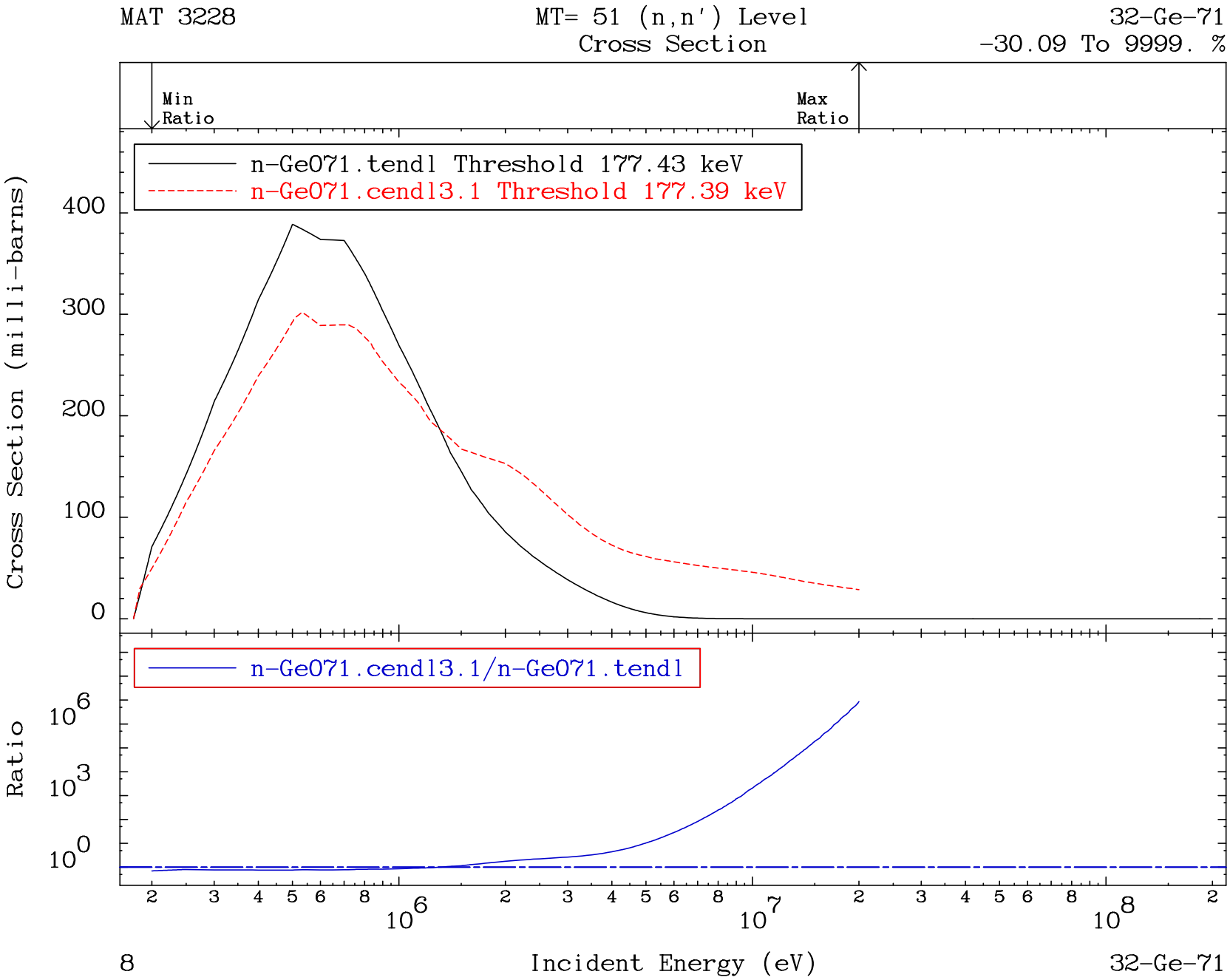

MAT 3228
Inelastic
Cross Section
32-Ge-71
-30.09 To 45.79 %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 177.43 keV
n-Ge071.cendl3.1 Threshold 177.39 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
1.6
1.2
0.8
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
32-Ge-71

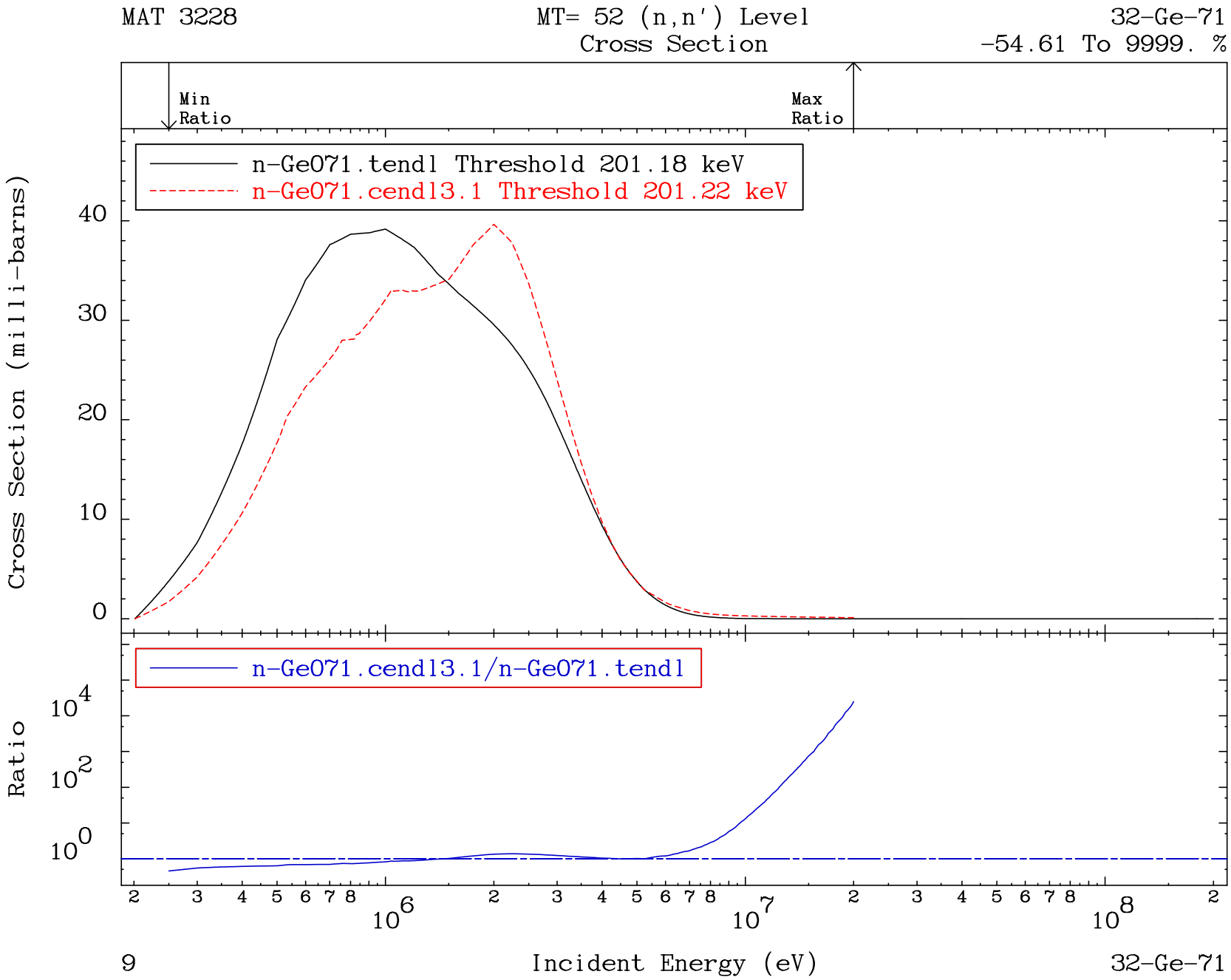

MAT 3228
(n,2n)
Cross Section
32-Ge-71
-94.58 To 8.303 %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 7.5214 MeV
n-Ge071.cendl3.1 Threshold 7.5214 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^0
6
4
10^-1
6
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
32-Ge-71

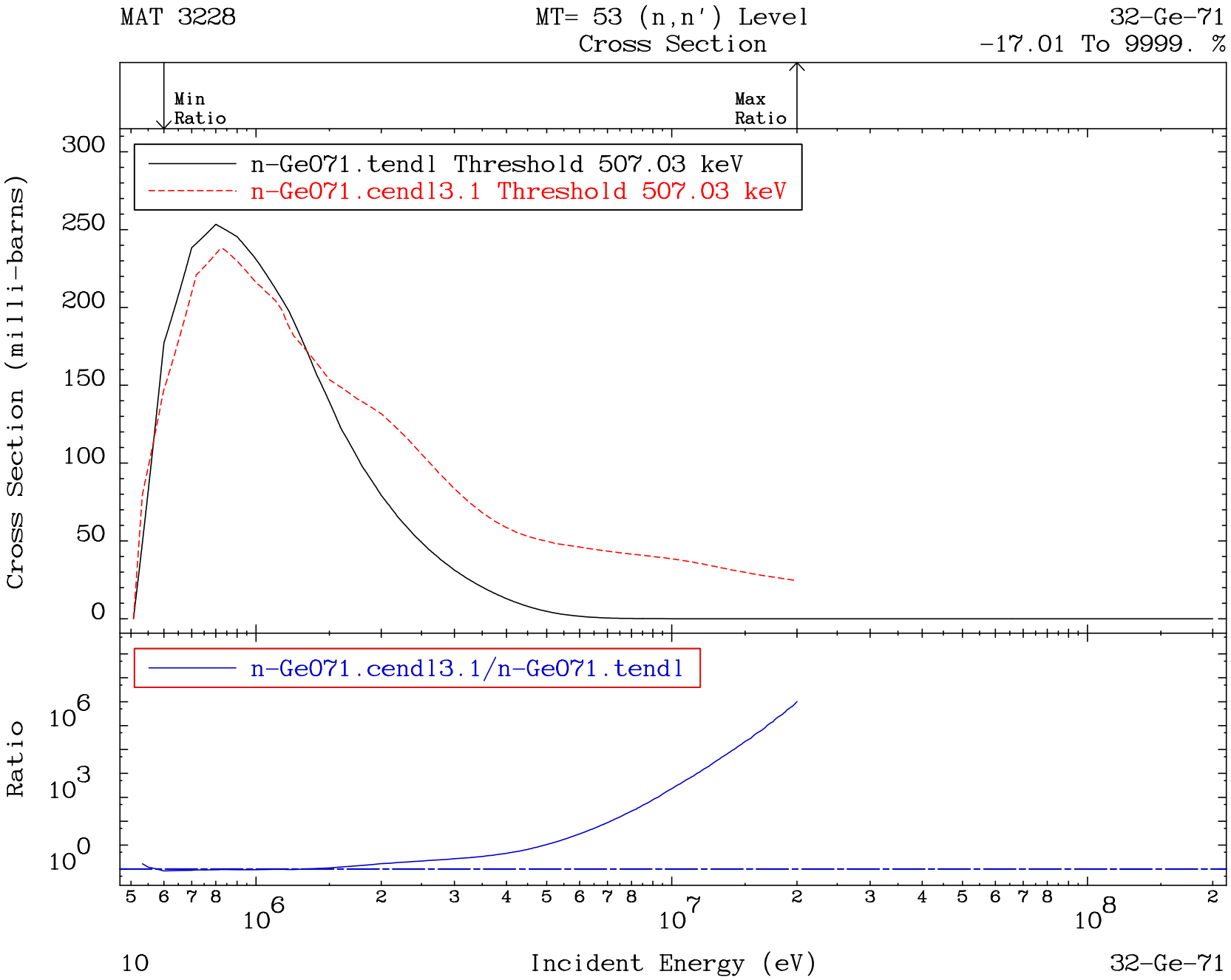

MAT 3228
(n,3n)
Cross Section
32-Ge-71
-99.81 To -94.92%
Max
Ratio
n-Ge071.tendl Threshold 19.218 MeV
n-Ge071.cendl3.1 Threshold 19.350 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10-1
4
10-2
4
2
3
4
5
6
7
8
9
10 8
2
5
Incident Energy (eV)
32-Ge-71

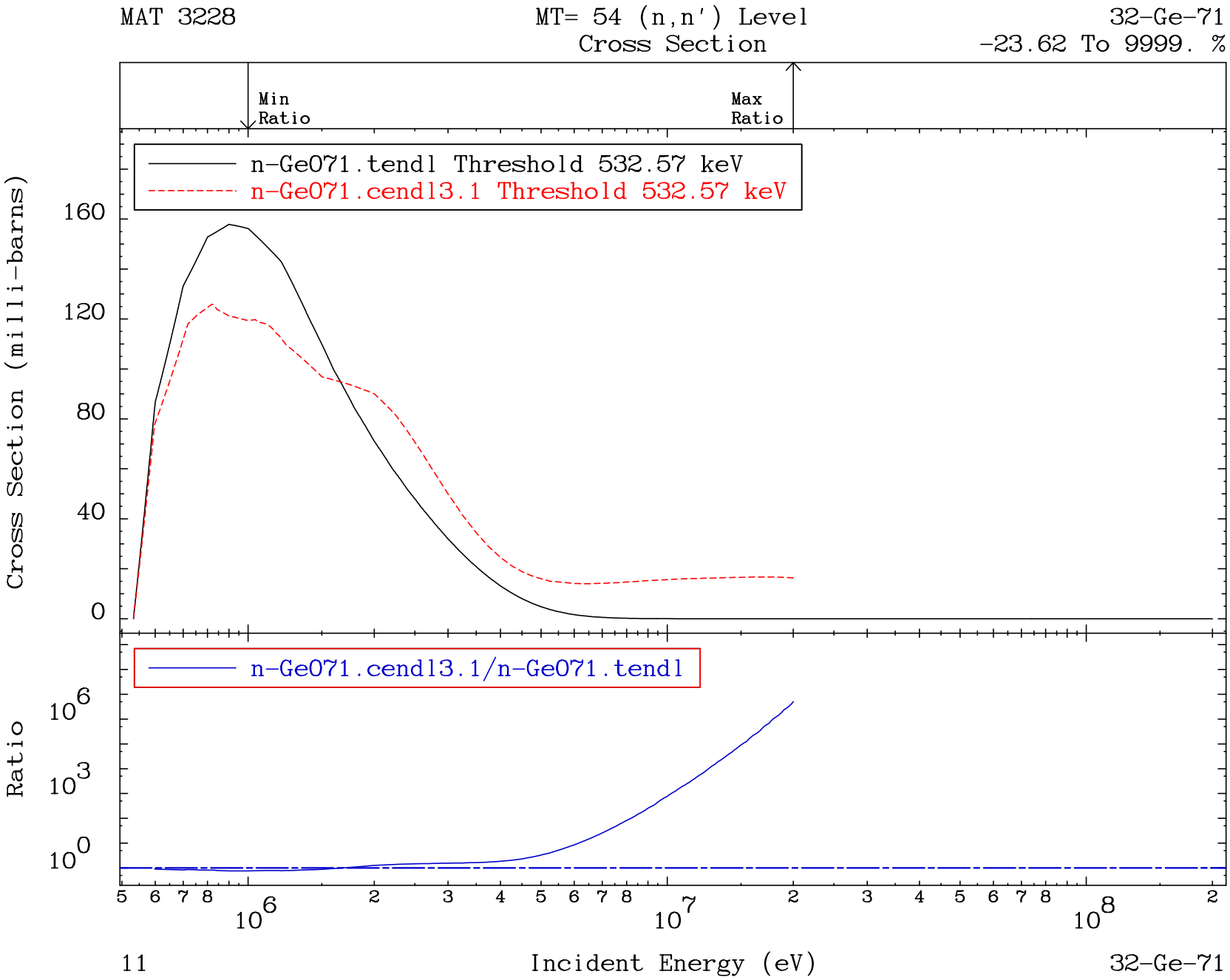

MAT 3228
(n,n') α
Cross Section
32-Ge-71
-70.15 To 17.05 %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 4.5144 MeV
n-Ge071.cendl3.1 Threshold 9.5000 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
6
32-Ge-71

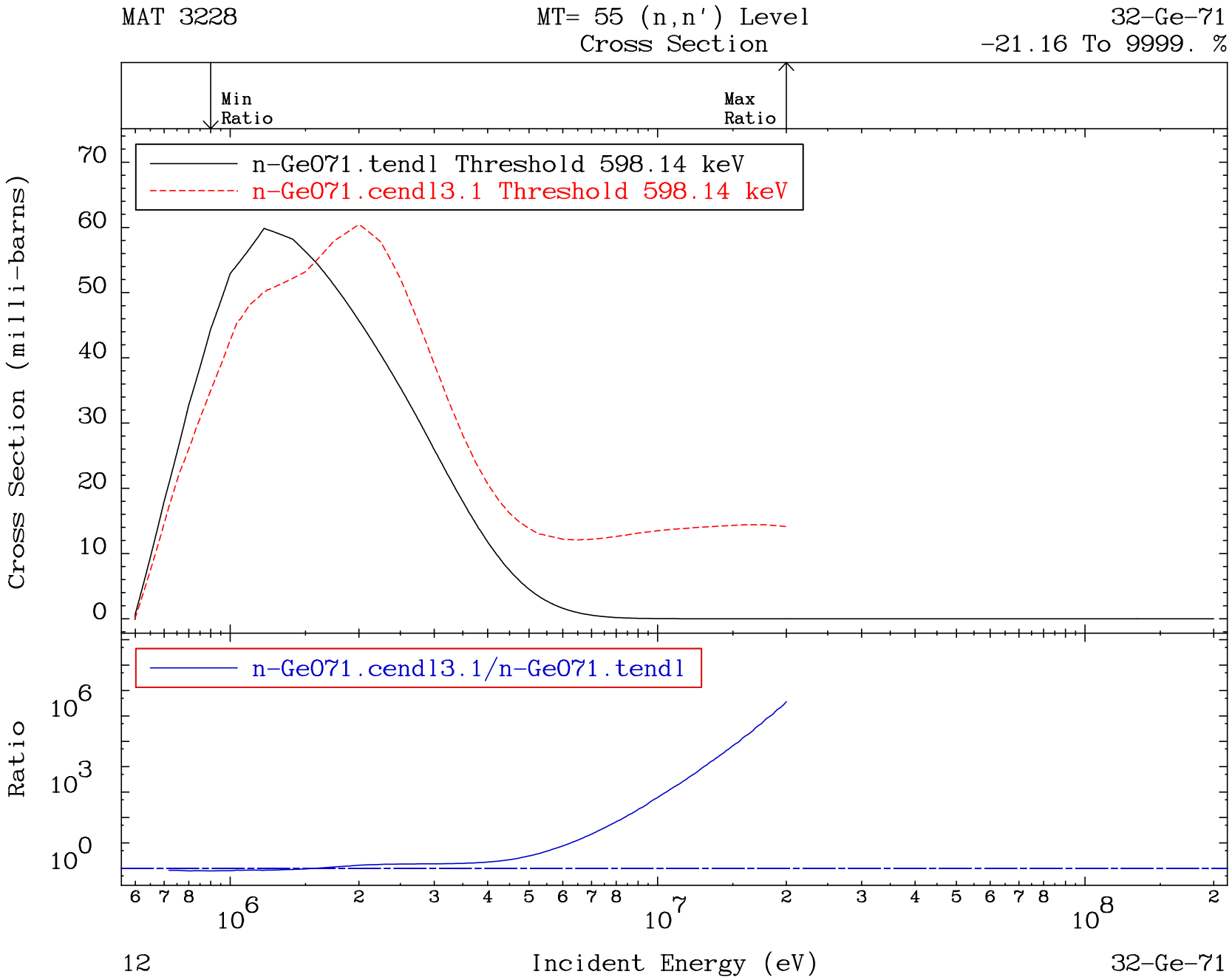

MAT 3228
(n,n') p
Cross Section
32-Ge-71
-50.84 To -5.352%
Max Ratio
Min Ratio
n-Ge071.tendl Threshold 8.4032 MeV
n-Ge071.cendl3.1 Threshold 10.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
1.0
0.8
0.6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
32-Ge-71

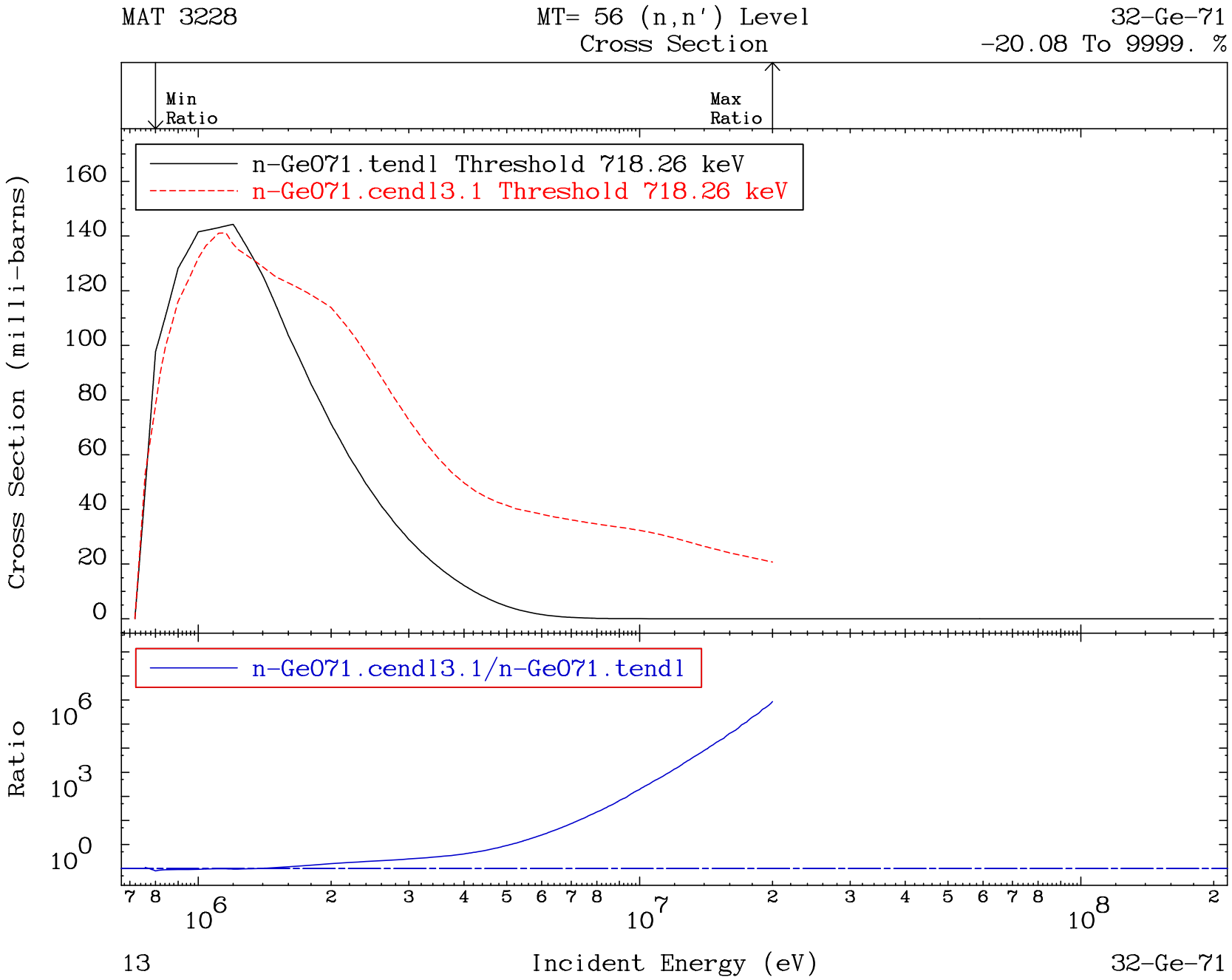

MAT 3228
MT= 51 (n,n') Level
Cross Section
32-Ge-71
-30.09 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 177.43 keV
n-Ge071.cendl3.1 Threshold 177.39 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^6
10^3
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
8
Incident Energy (eV)
32-Ge-71

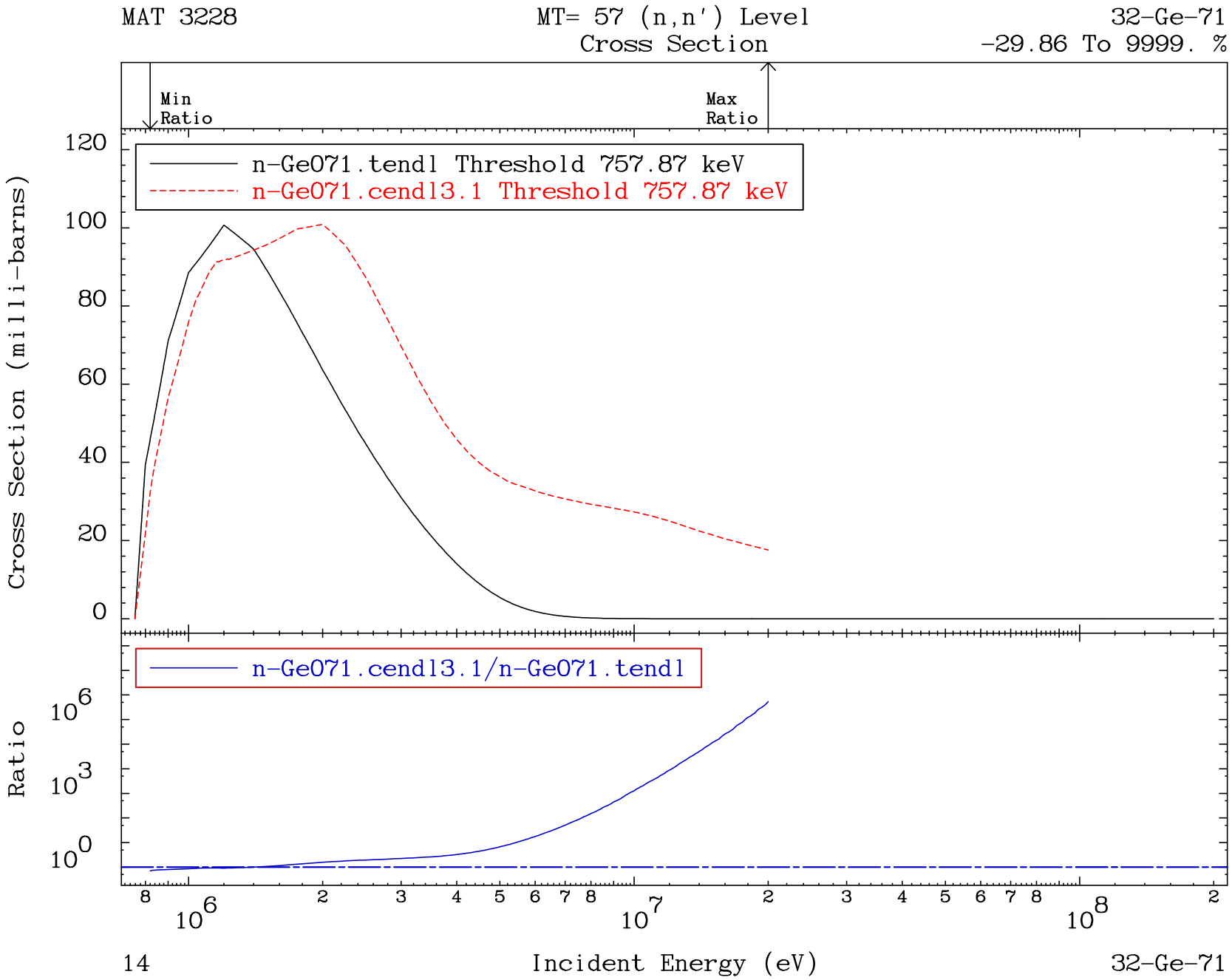

MAT 3228
MT= 52 (n,n') Level
Cross Section
32-Ge-71
-54.61 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 201.18 keV
n-Ge071.cendl3.1 Threshold 201.22 keV
Cross Section (milli-barns)
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
32-Ge-71

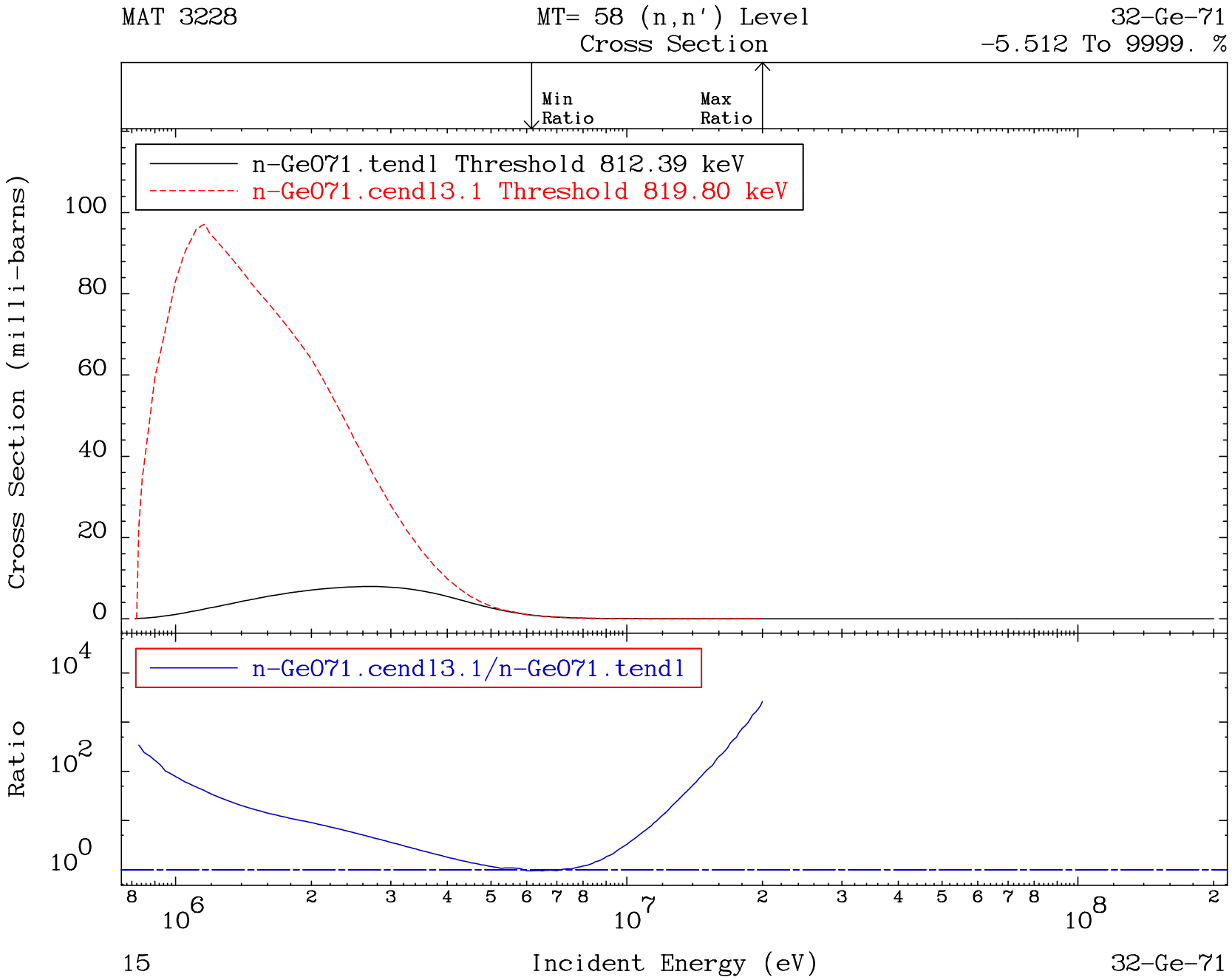

MAT 3228
MT= 53 (n,n') Level
Cross Section
32-Ge-71
-17.01 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 507.03 keV
n-Ge071.cendl3.1 Threshold 507.03 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^6
10^3
10^0
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
32-Ge-71

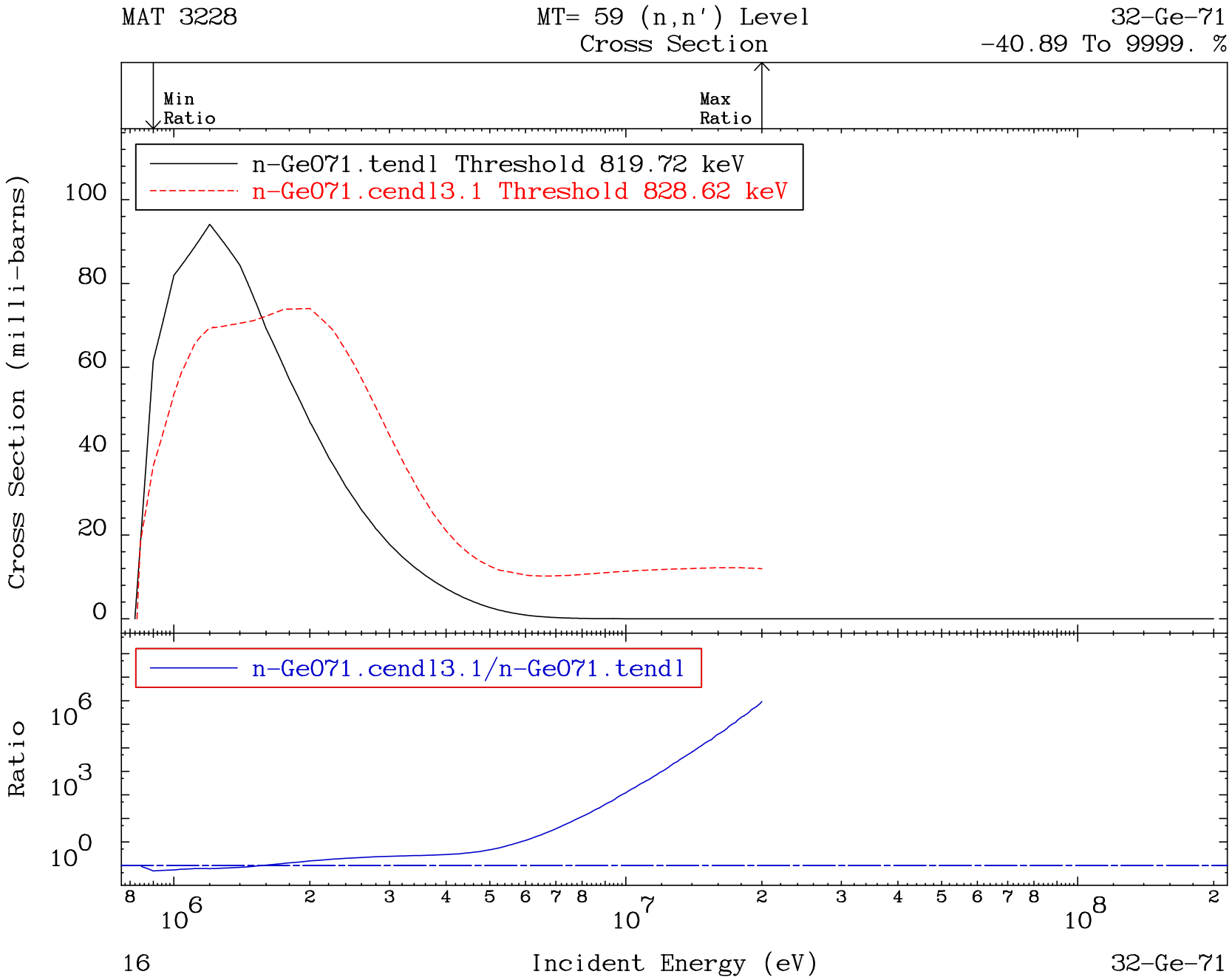

MAT 3228
MT= 54 (n,n') Level
Cross Section
32-Ge-71
-23.62 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 532.57 keV
n-Ge071.cendl3.1 Threshold 532.57 keV
Cross Section (milli-barns)
160
120
80
40
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^6
10^3
10^0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
32-Ge-71

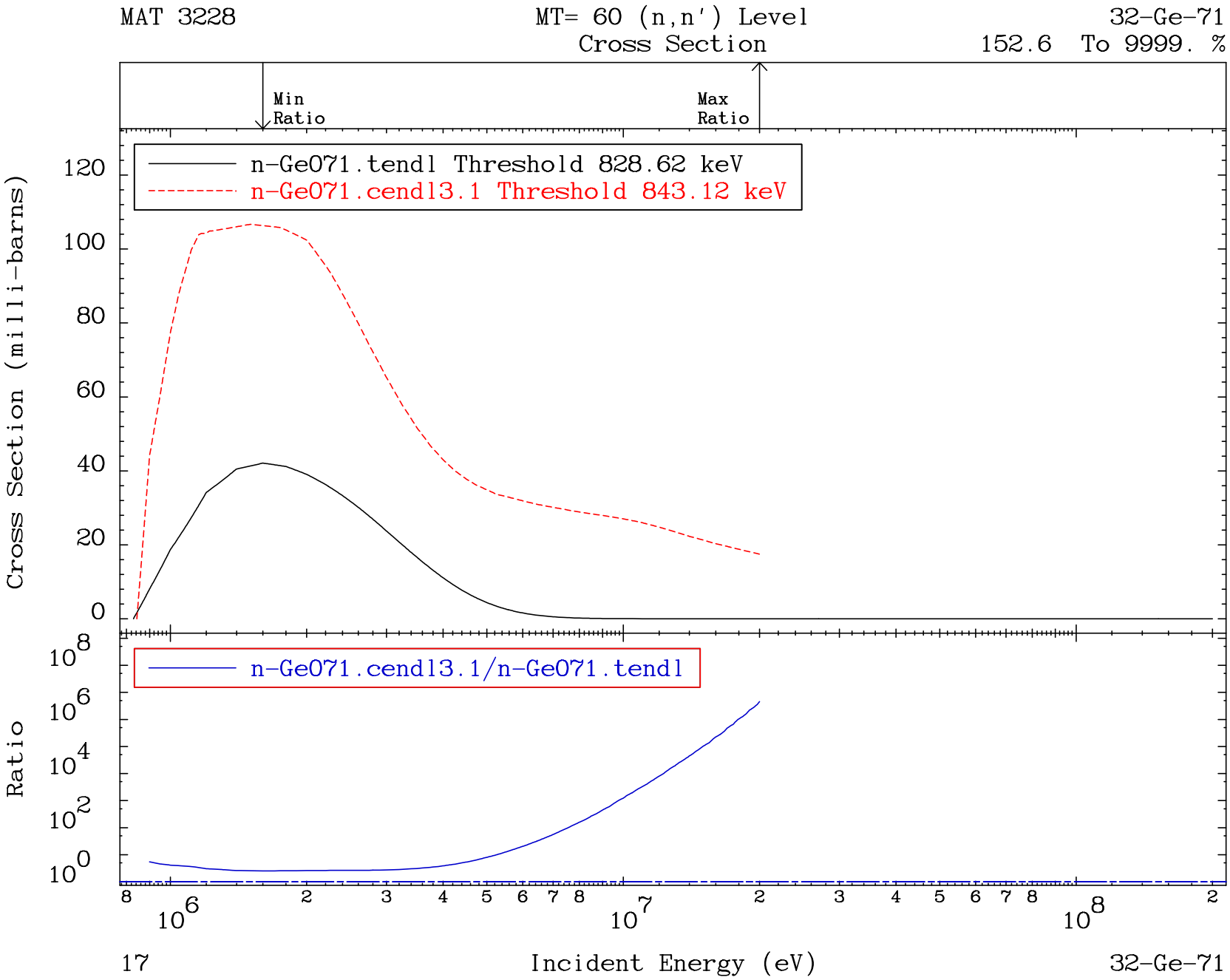

MAT 3228
MT= 55 (n,n') Level
Cross Section
32-Ge-71
-21.16 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 598.14 keV
n-Ge071.cendl3.1 Threshold 598.14 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^6
10^3
10^0
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
32-Ge-71

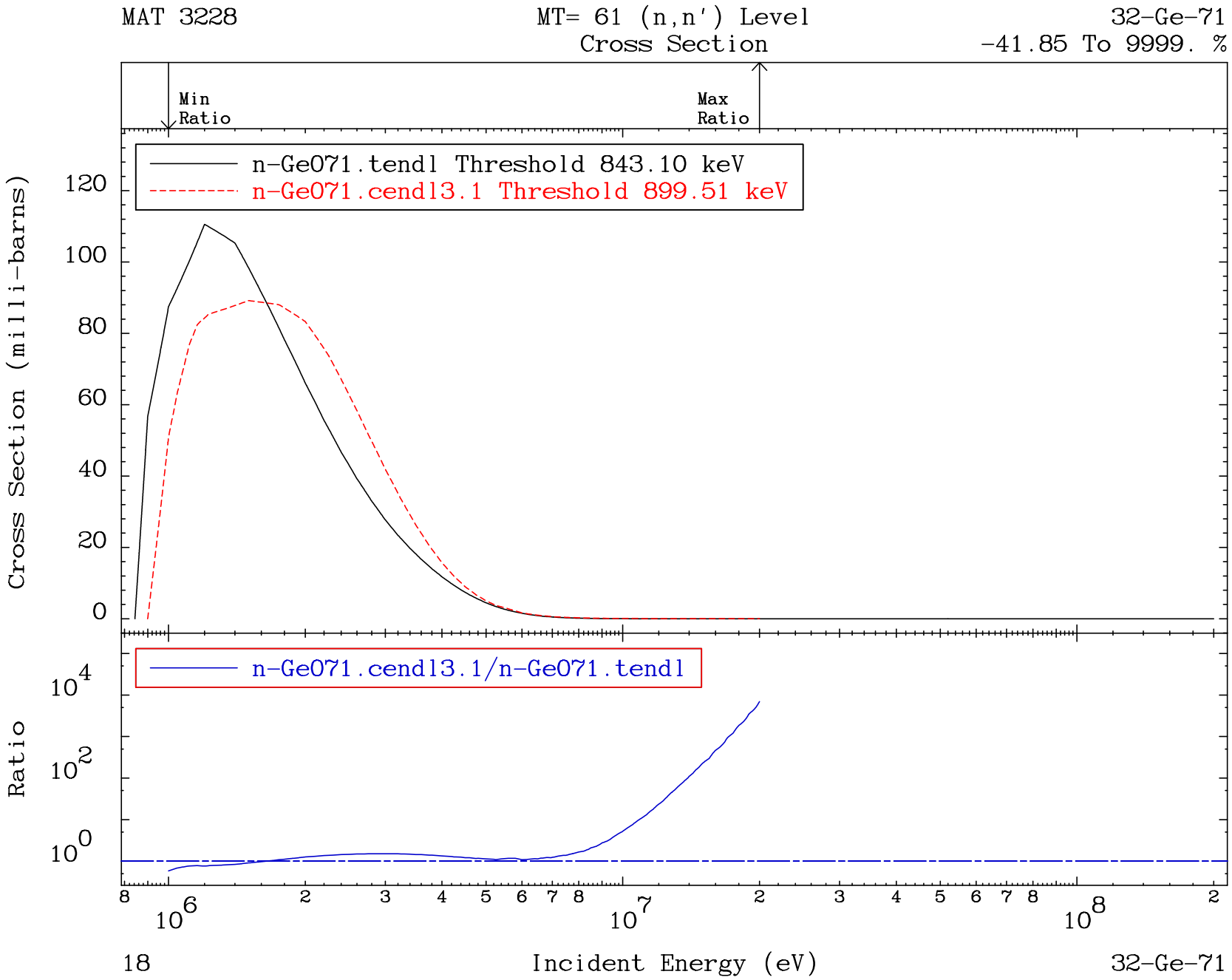

MAT 3228
MT= 56 (n,n') Level
Cross Section
32-Ge-71
-20.08 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 718.26 keV
n-Ge071.cendl3.1 Threshold 718.26 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^6
10^3
10^0
7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
32-Ge-71

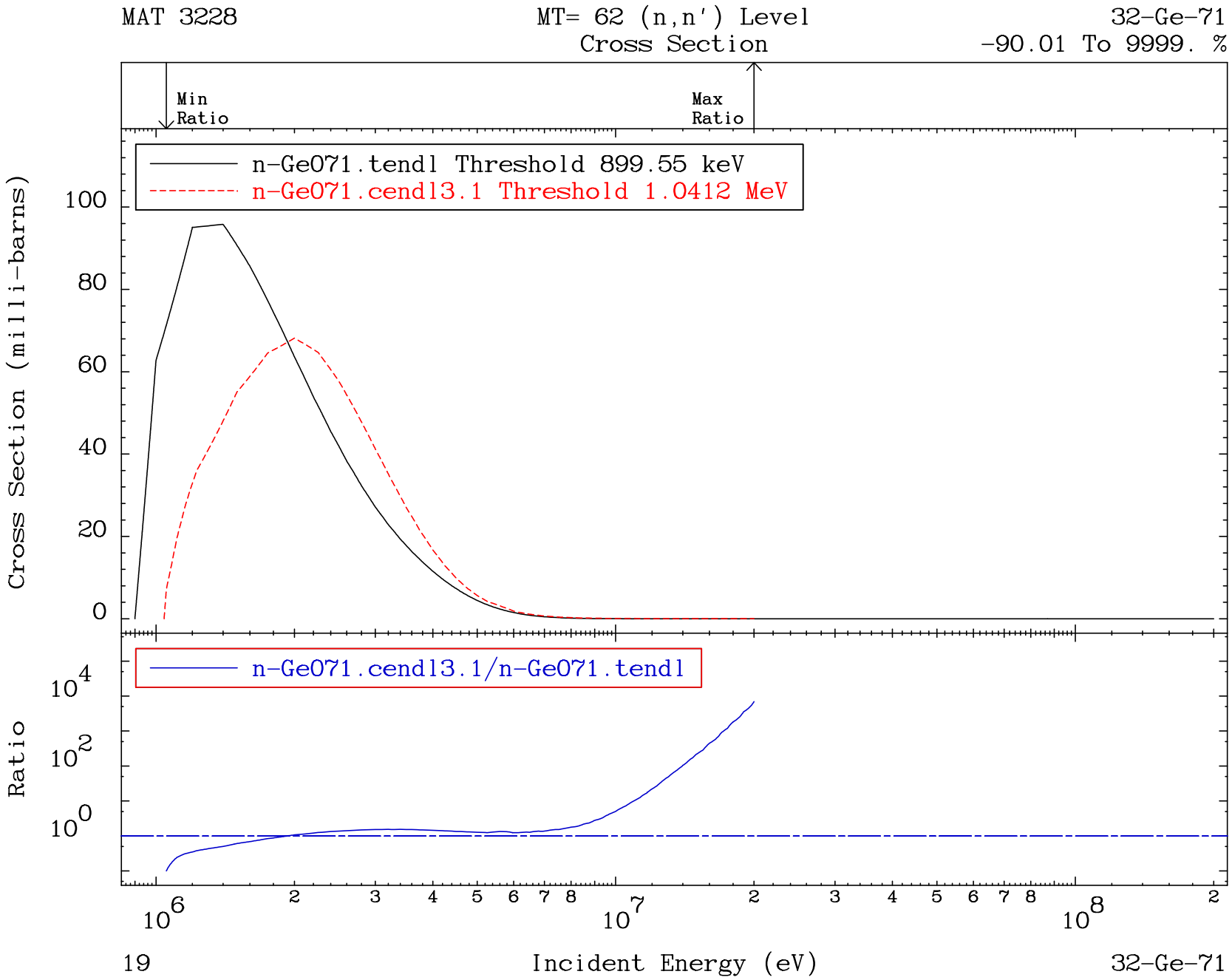

MAT 3228
MT= 57 (n,n') Level
Cross Section
32-Ge-71
-29.86 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 757.87 keV
n-Ge071.cendl3.1 Threshold 757.87 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^6
10^3
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
14
Incident Energy (eV)
32-Ge-71

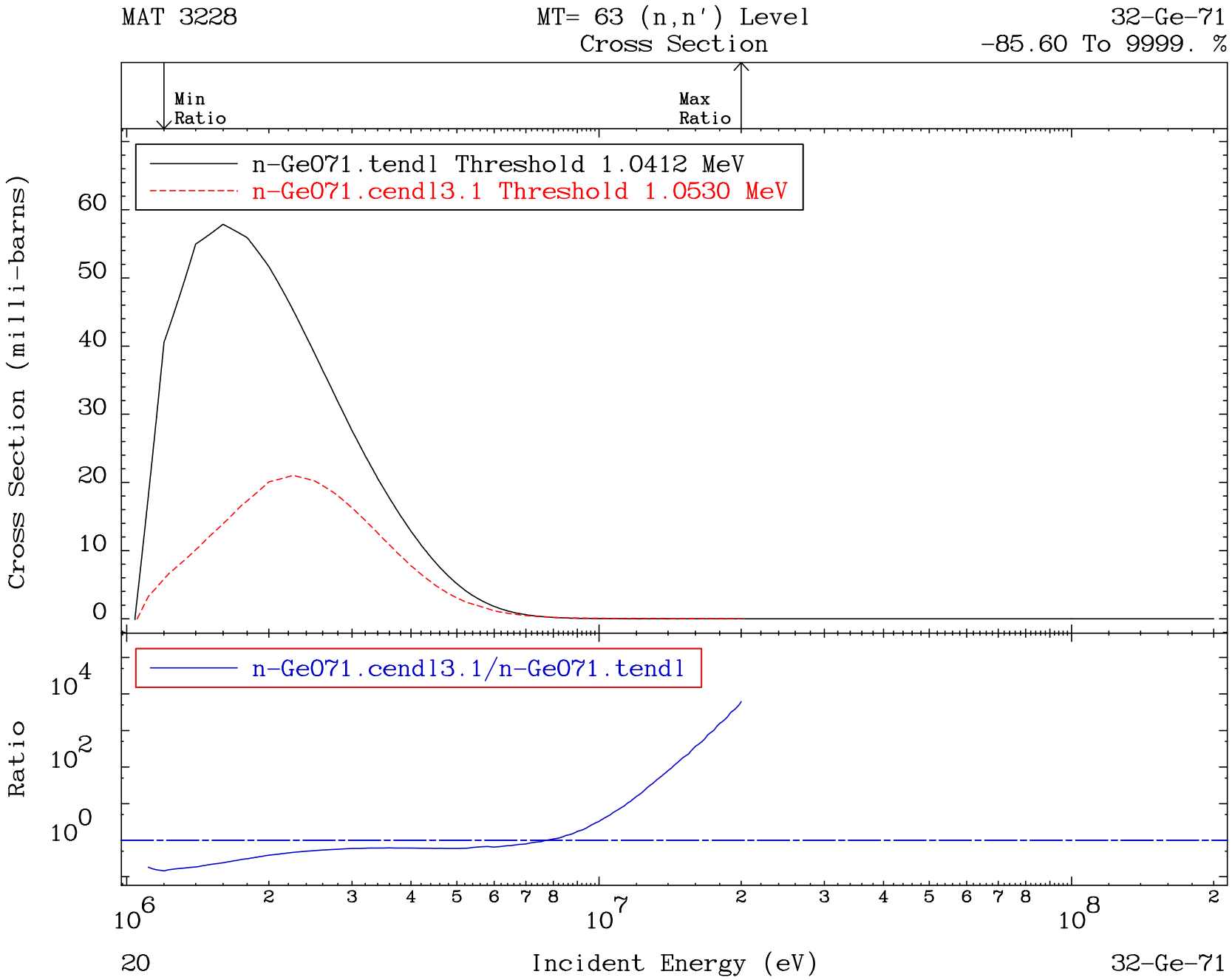

MAT 3228
MT= 58 (n,n') Level
Cross Section
32-Ge-71
-5.512 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 812.39 keV
n-Ge071.cendl3.1 Threshold 819.80 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
32-Ge-71

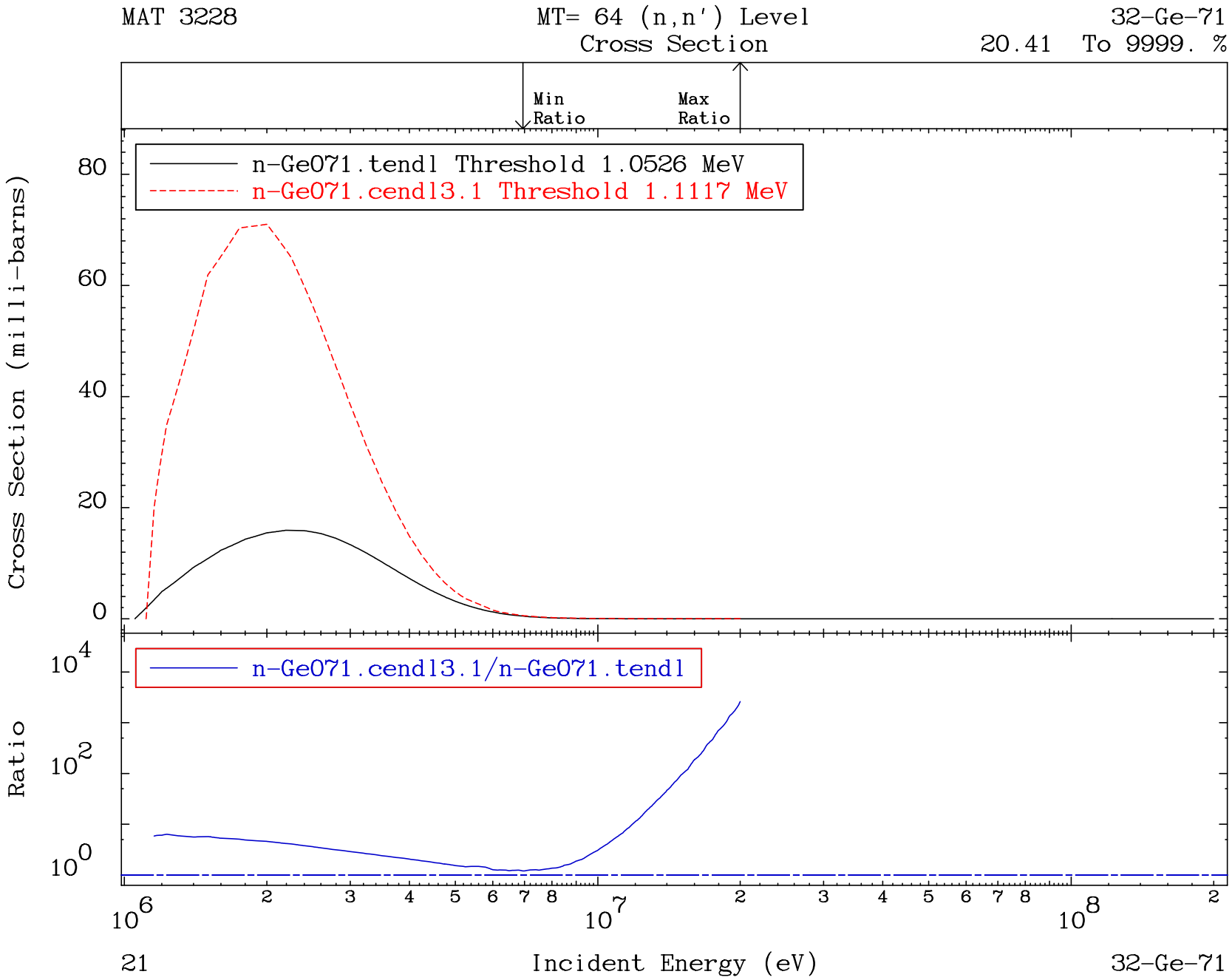

MAT 3228
MT= 59 (n,n') Level
Cross Section
32-Ge-71
-40.89 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 819.72 keV
n-Ge071.cendl3.1 Threshold 828.62 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^6
10^3
10^0
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
32-Ge-71

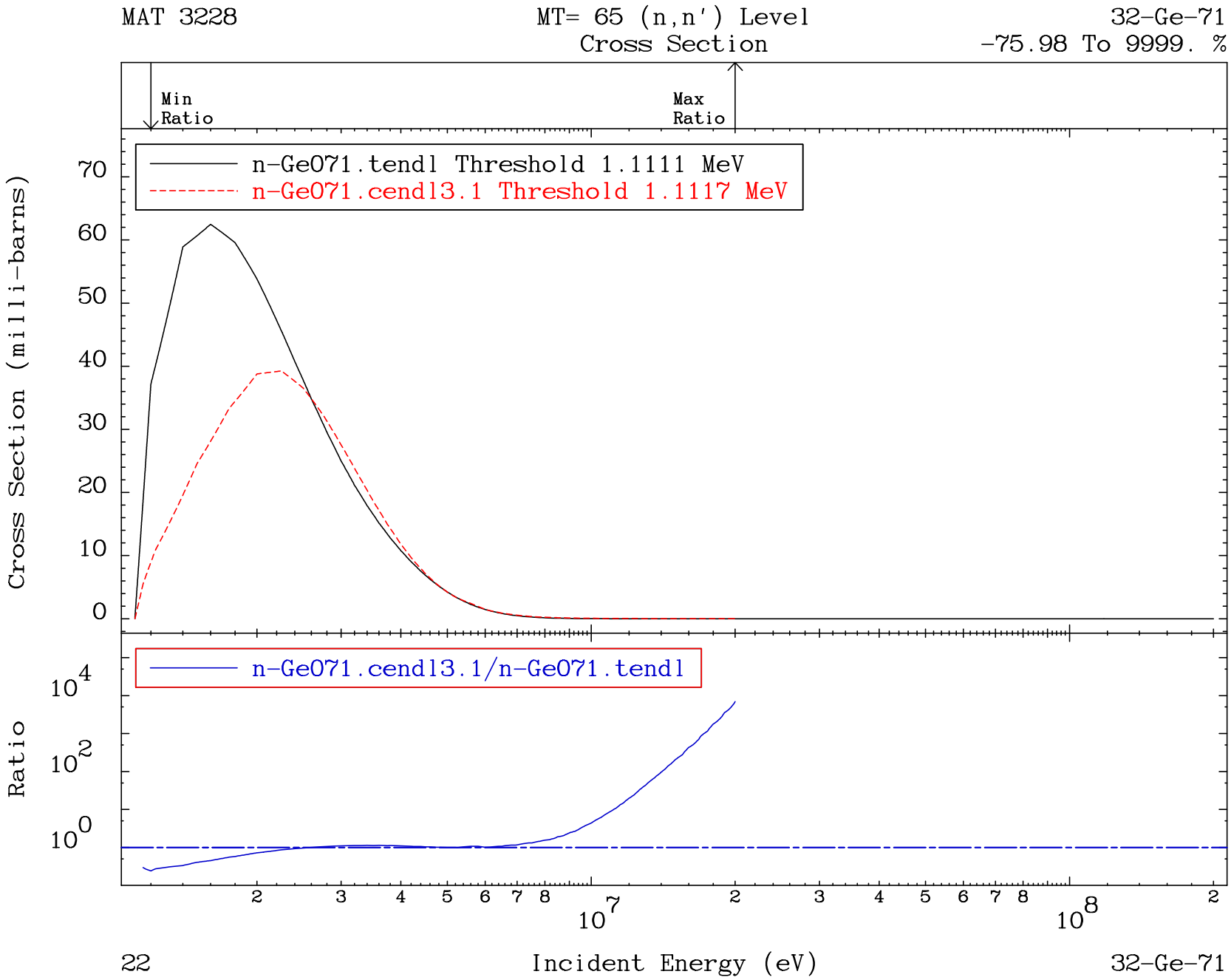

MAT 3228
MT= 60 (n,n') Level
Cross Section
32-Ge-71
152.6 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 828.62 keV
n-Ge071.cendl3.1 Threshold 843.12 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^8
10^6
10^4
10^2
10^0
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
32-Ge-71

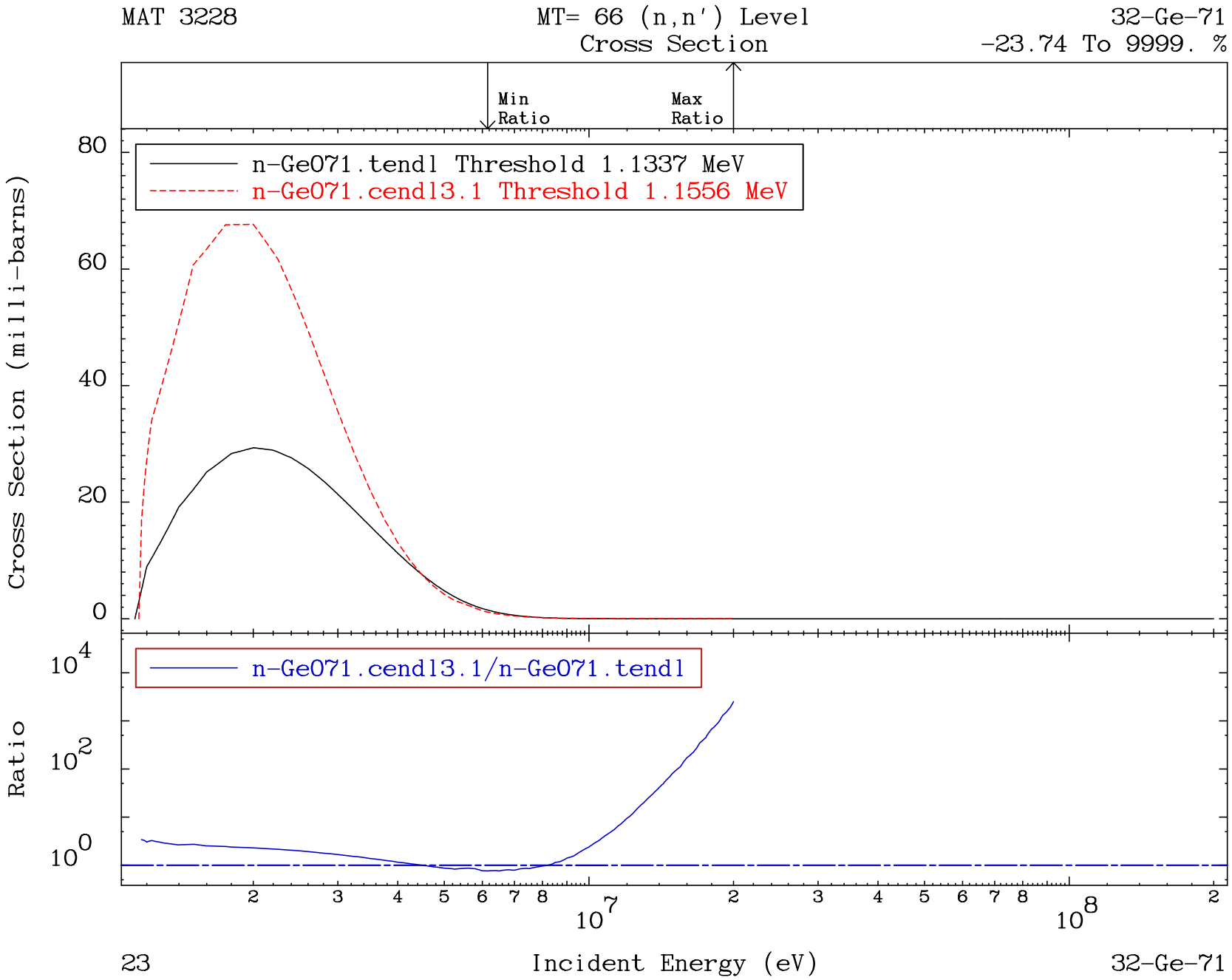

MAT 3228
MT= 61 (n,n') Level
Cross Section
32-Ge-71
-41.85 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 843.10 keV
n-Ge071.cendl3.1 Threshold 899.51 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
32-Ge-71

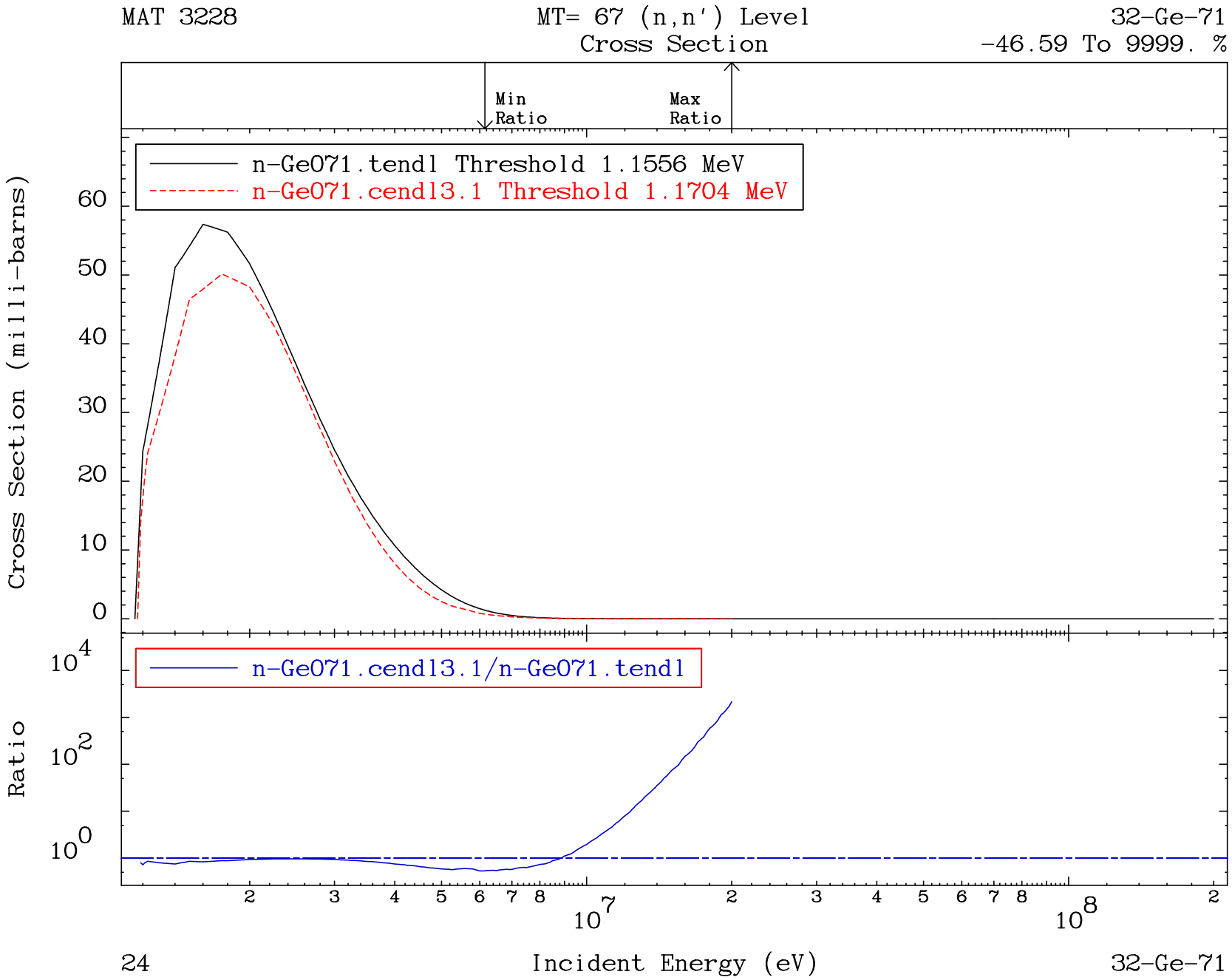

MAT 3228
MT= 62 (n,n') Level
Cross Section
32-Ge-71
-90.01 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 899.55 keV
n-Ge071.cendl3.1 Threshold 1.0412 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
32-Ge-71

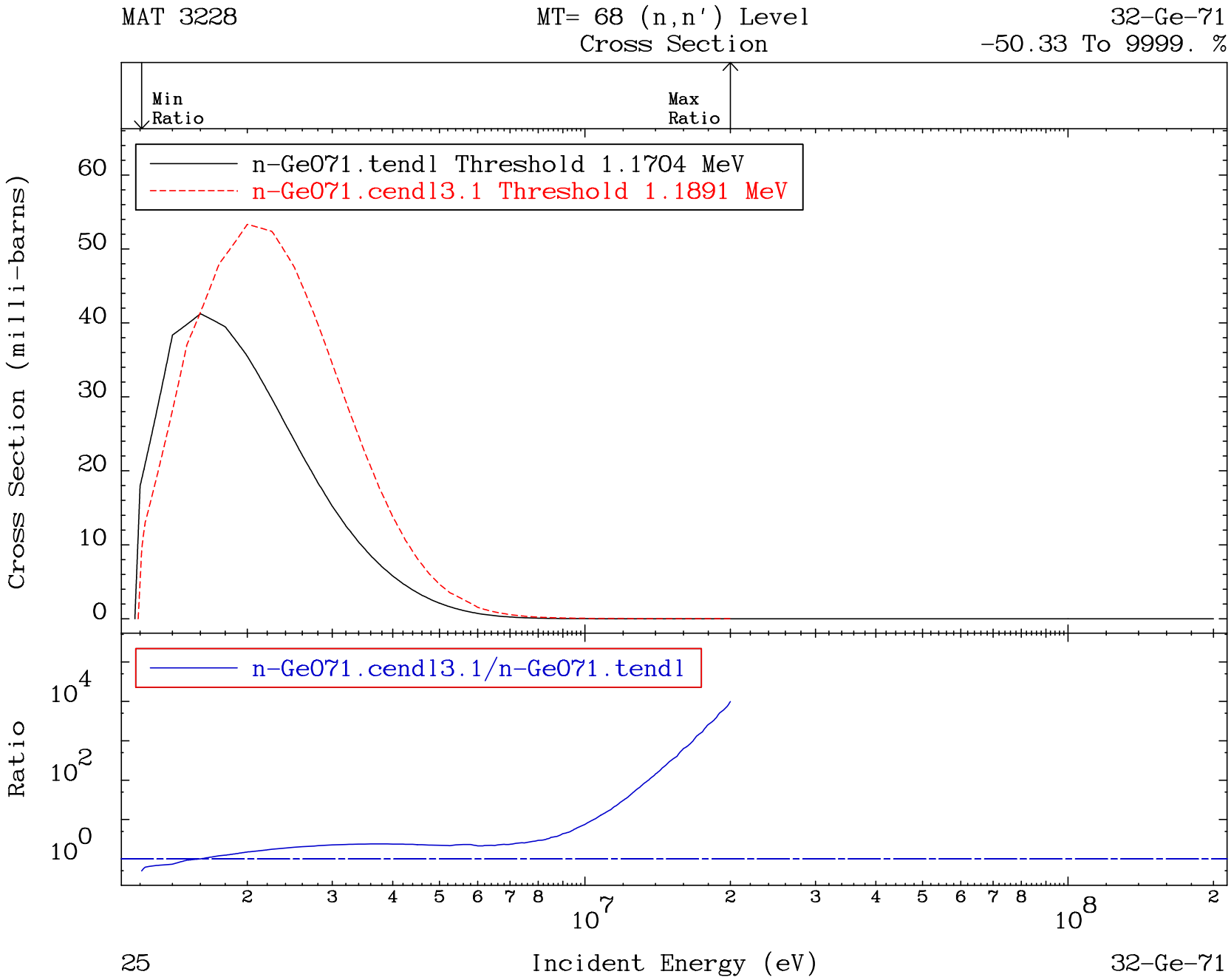

MAT 3228
MT= 63 (n,n') Level
Cross Section
32-Ge-71
-85.60 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 1.0412 MeV
n-Ge071.cendl3.1 Threshold 1.0530 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
32-Ge-71

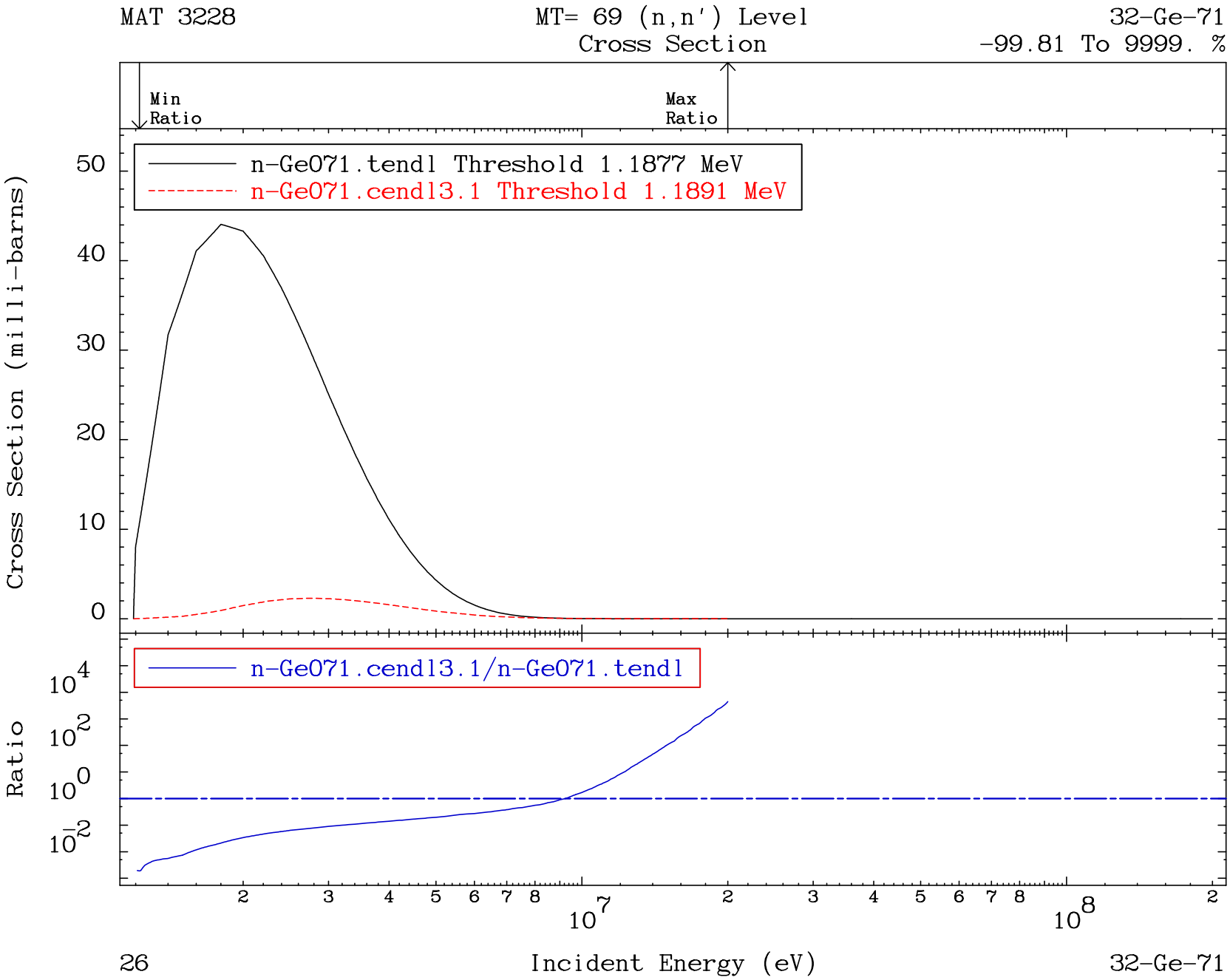

MAT 3228
MT= 64 (n,n') Level
Cross Section
32-Ge-71
20.41 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 1.0526 MeV
n-Ge071.cendl3.1 Threshold 1.1117 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
10^6
10^7
10^8
Incident Energy (eV)
21
32-Ge-71

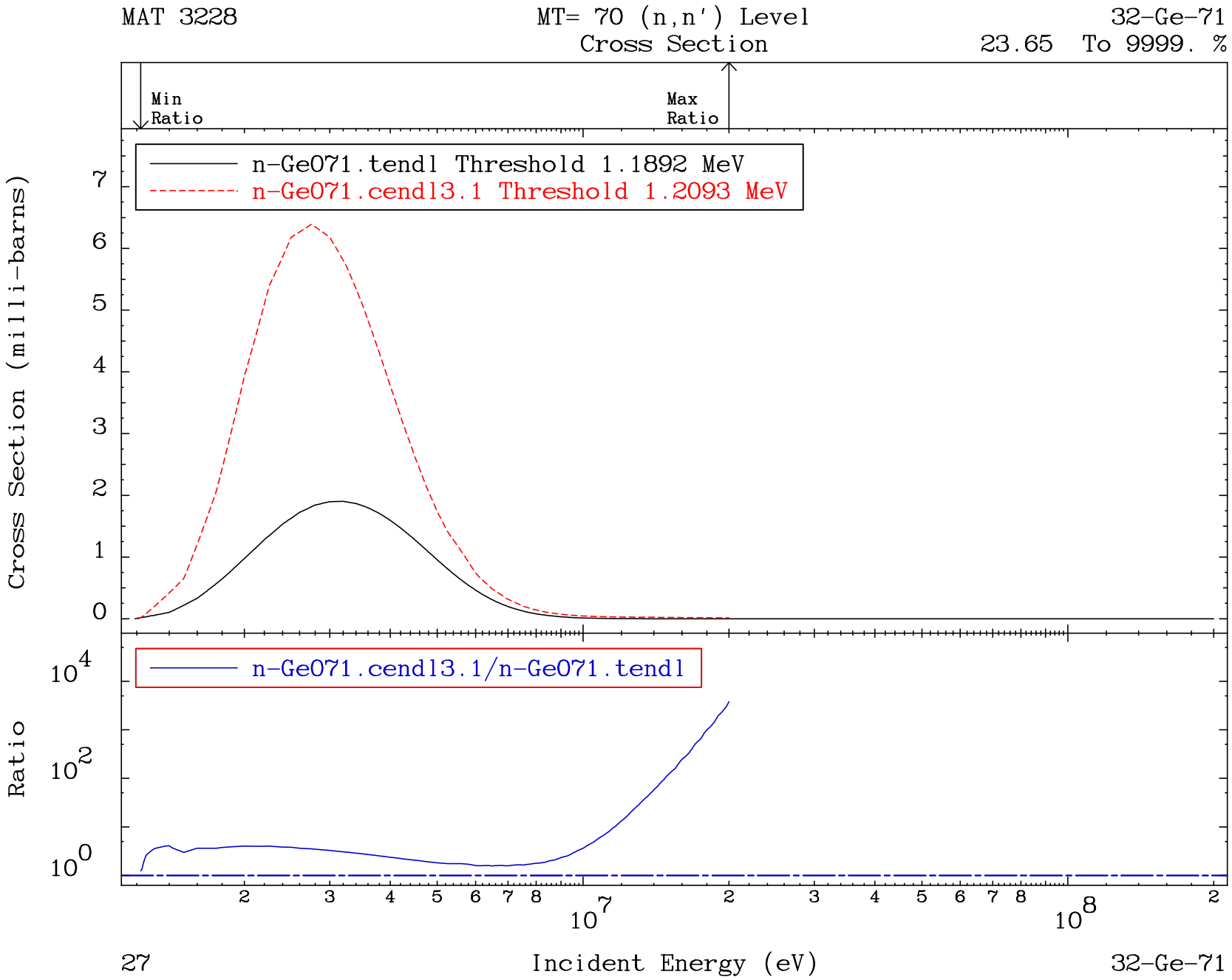

MAT 3228
MT= 65 (n,n') Level
Cross Section
32-Ge-71
-75.98 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 1.1111 MeV
n-Ge071.cendl3.1 Threshold 1.1117 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
32-Ge-71

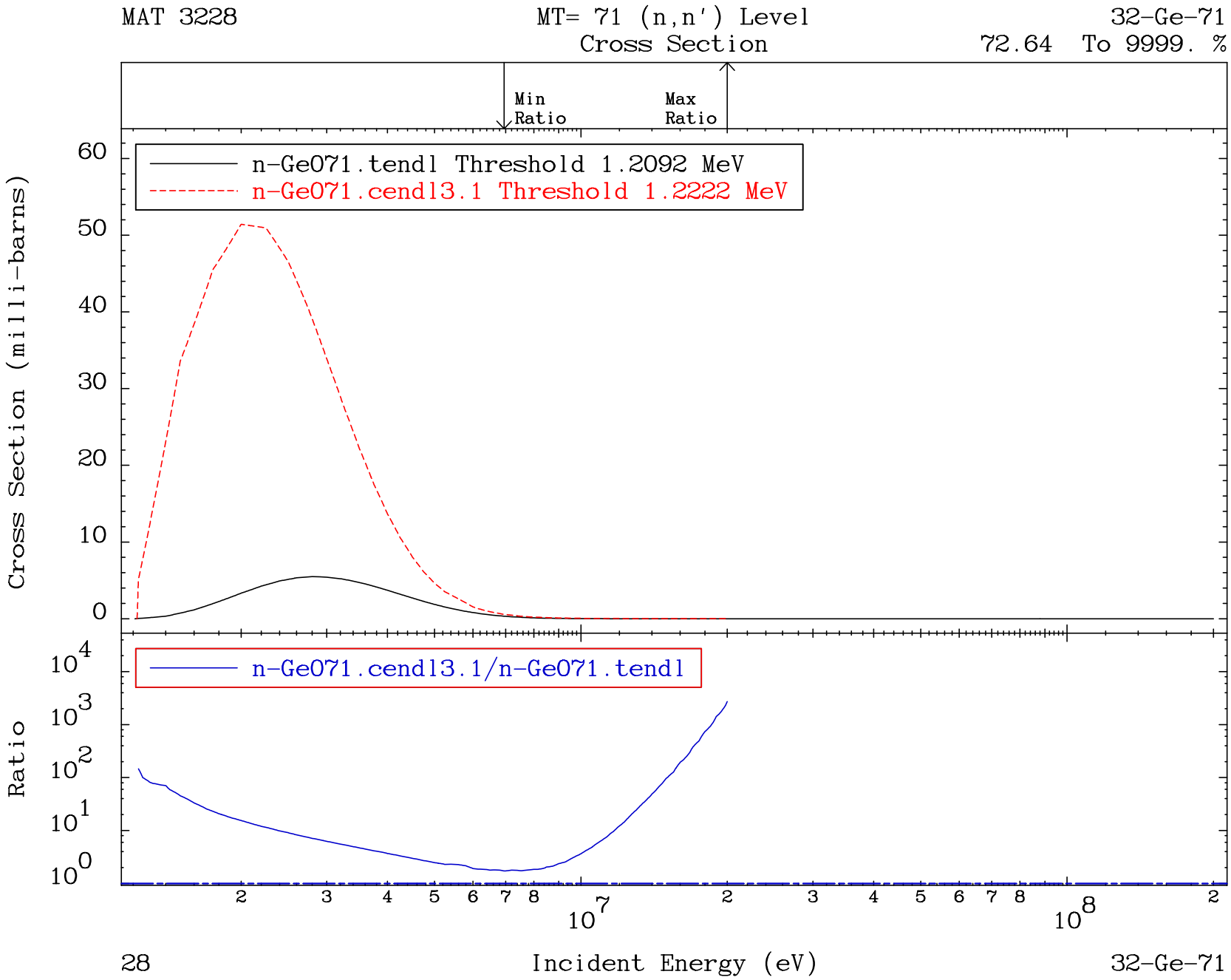

MAT 3228
MT= 66 (n,n') Level
Cross Section
32-Ge-71
-23.74 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 1.1337 MeV
n-Ge071.cendl3.1 Threshold 1.1556 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
32-Ge-71

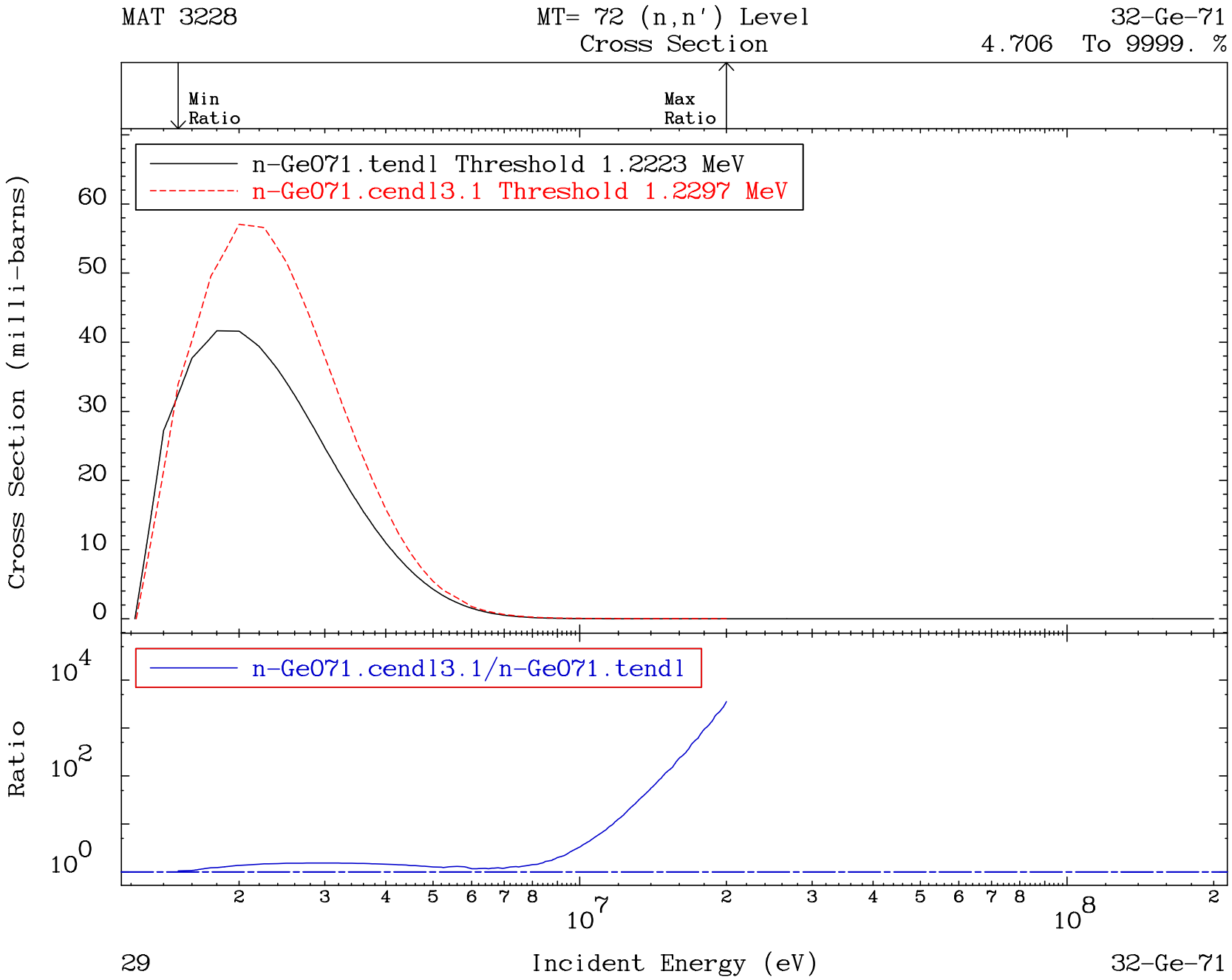

MAT 3228
MT= 67 (n,n') Level
Cross Section
32-Ge-71
-46.59 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 1.1556 MeV
n-Ge071.cendl3.1 Threshold 1.1704 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
32-Ge-71

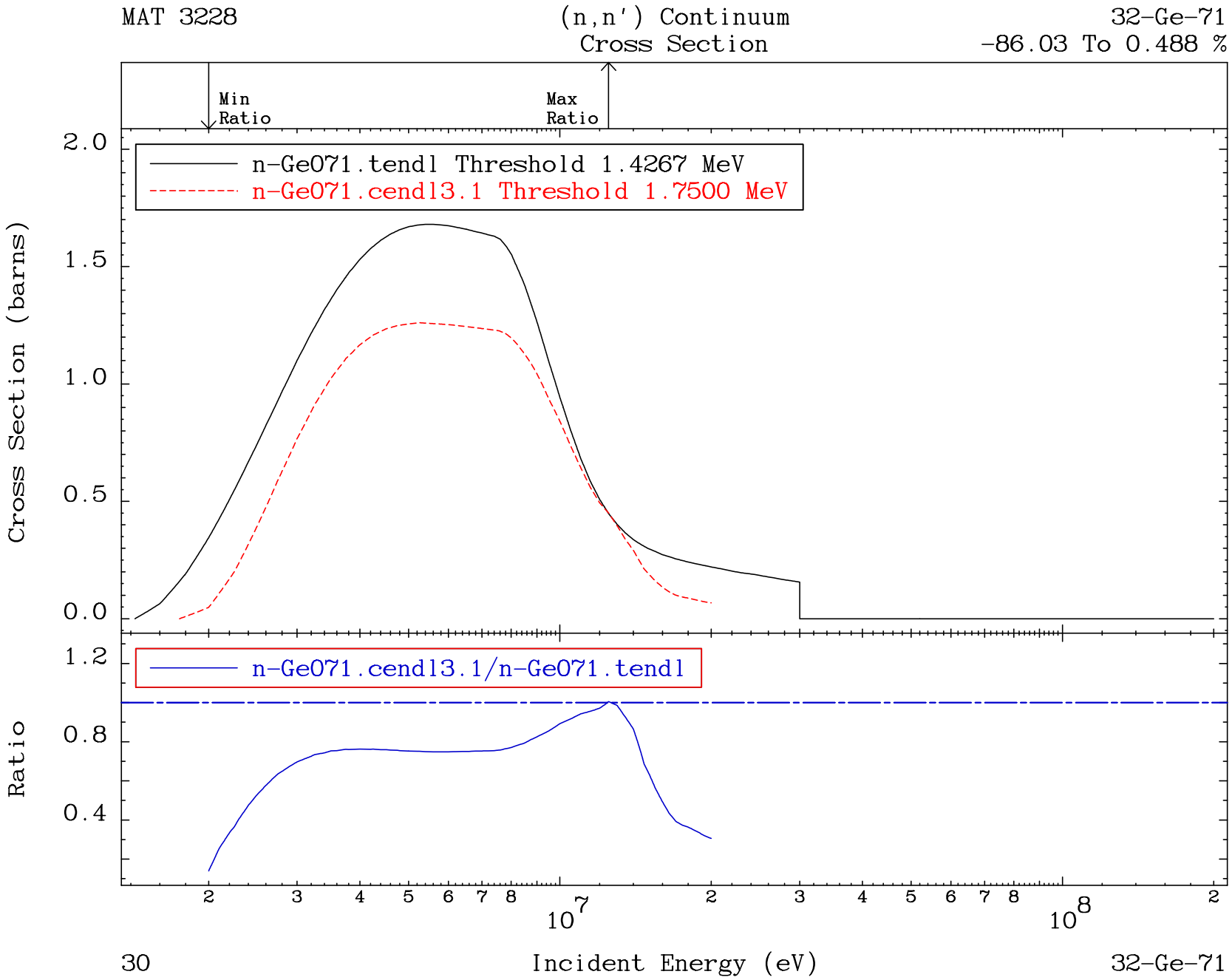

MAT 3228
MT= 68 (n,n') Level
Cross Section
32-Ge-71
-50.33 To 9999. %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 1.1704 MeV
n-Ge071.cendl3.1 Threshold 1.1891 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
32-Ge-71

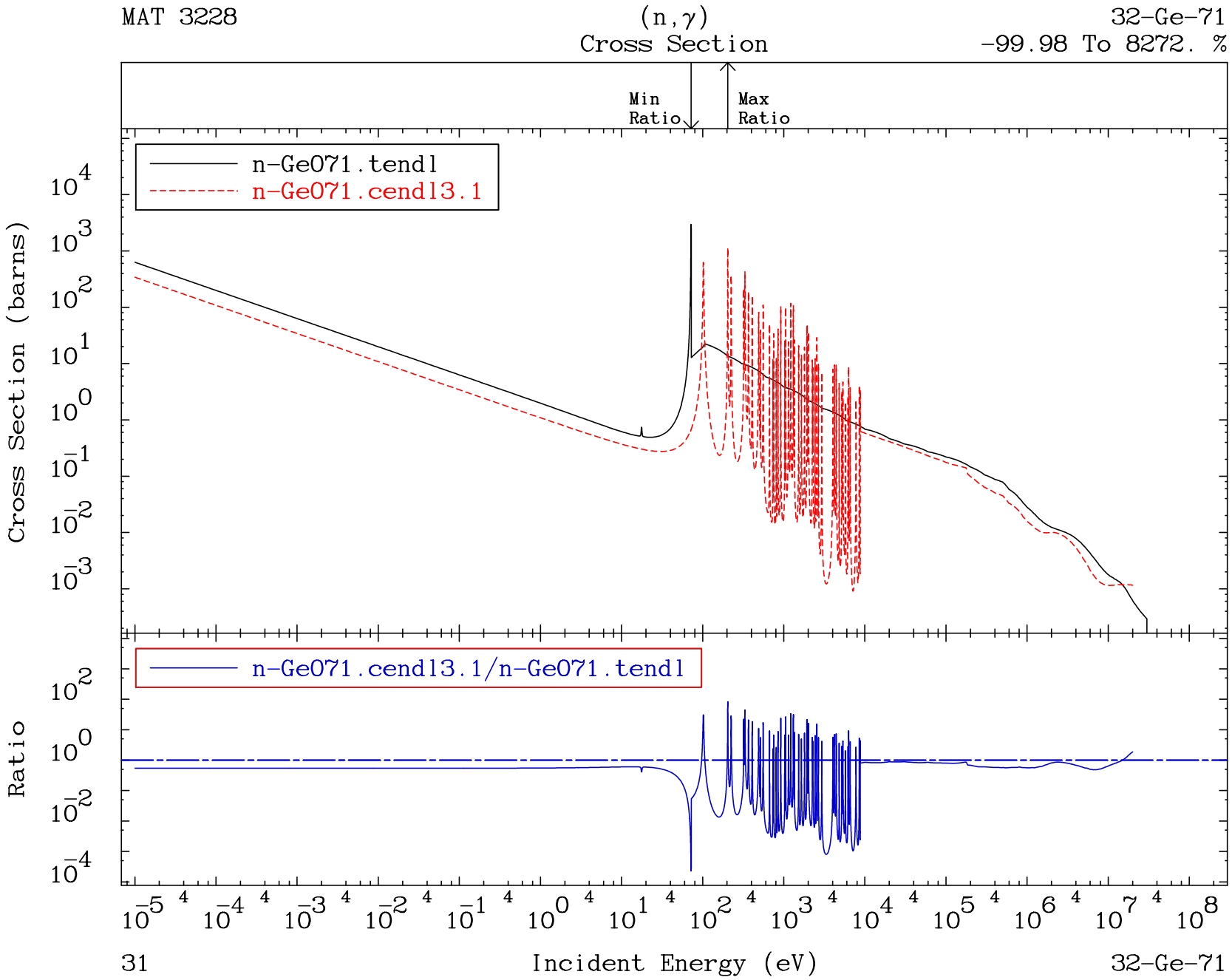

MAT 3228
MT= 69 (n,n') Level
Cross Section
32-Ge-71
-99.81 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 1.1877 MeV
n-Ge071.cendl3.1 Threshold 1.1891 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
10^-2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
32-Ge-71

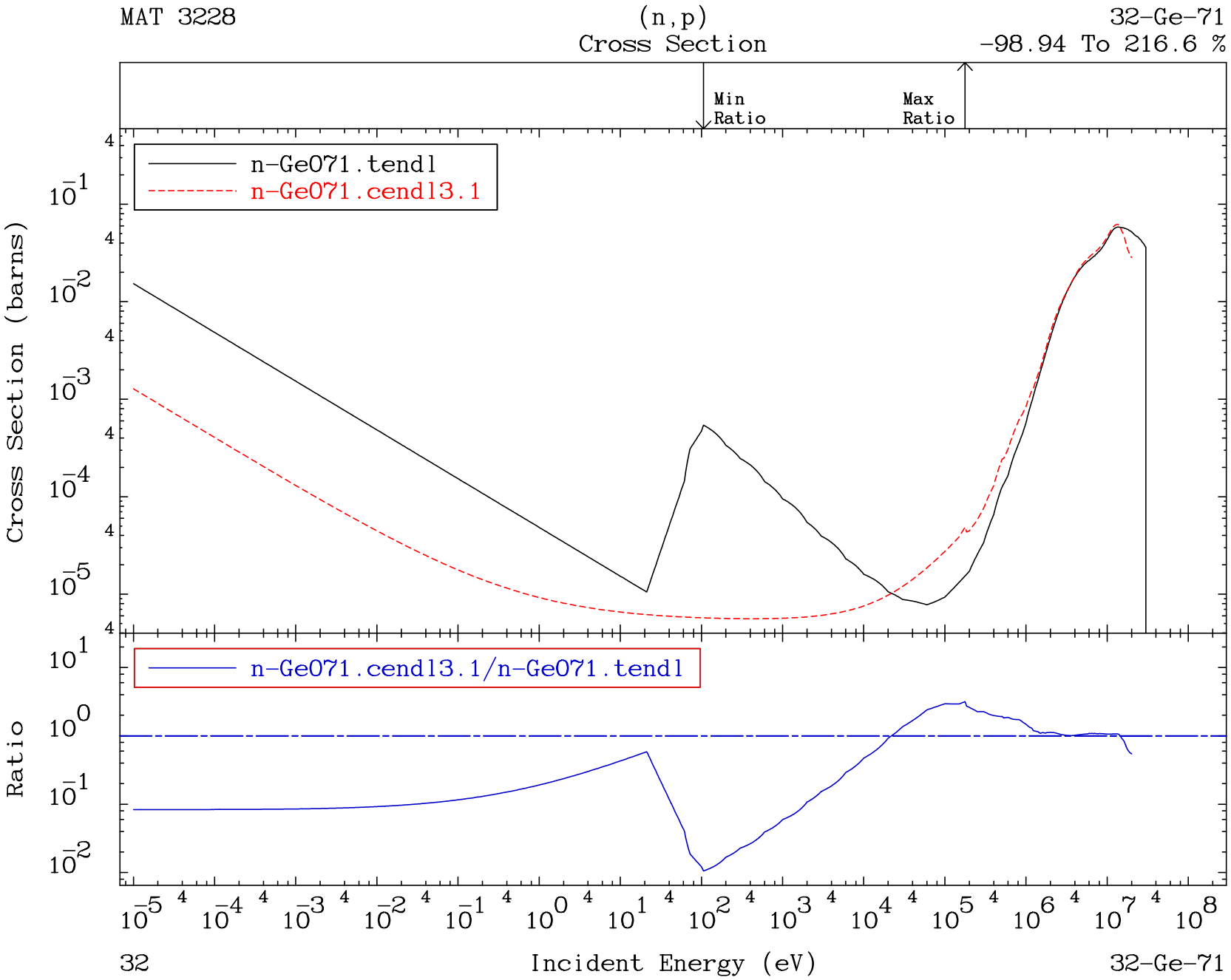

MAT 3228
MT= 70 (n,n') Level
Cross Section
32-Ge-71
23.65 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 1.1892 MeV
n-Ge071.cendl3.1 Threshold 1.2093 MeV
Cross Section (milli-barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
27
32-Ge-71

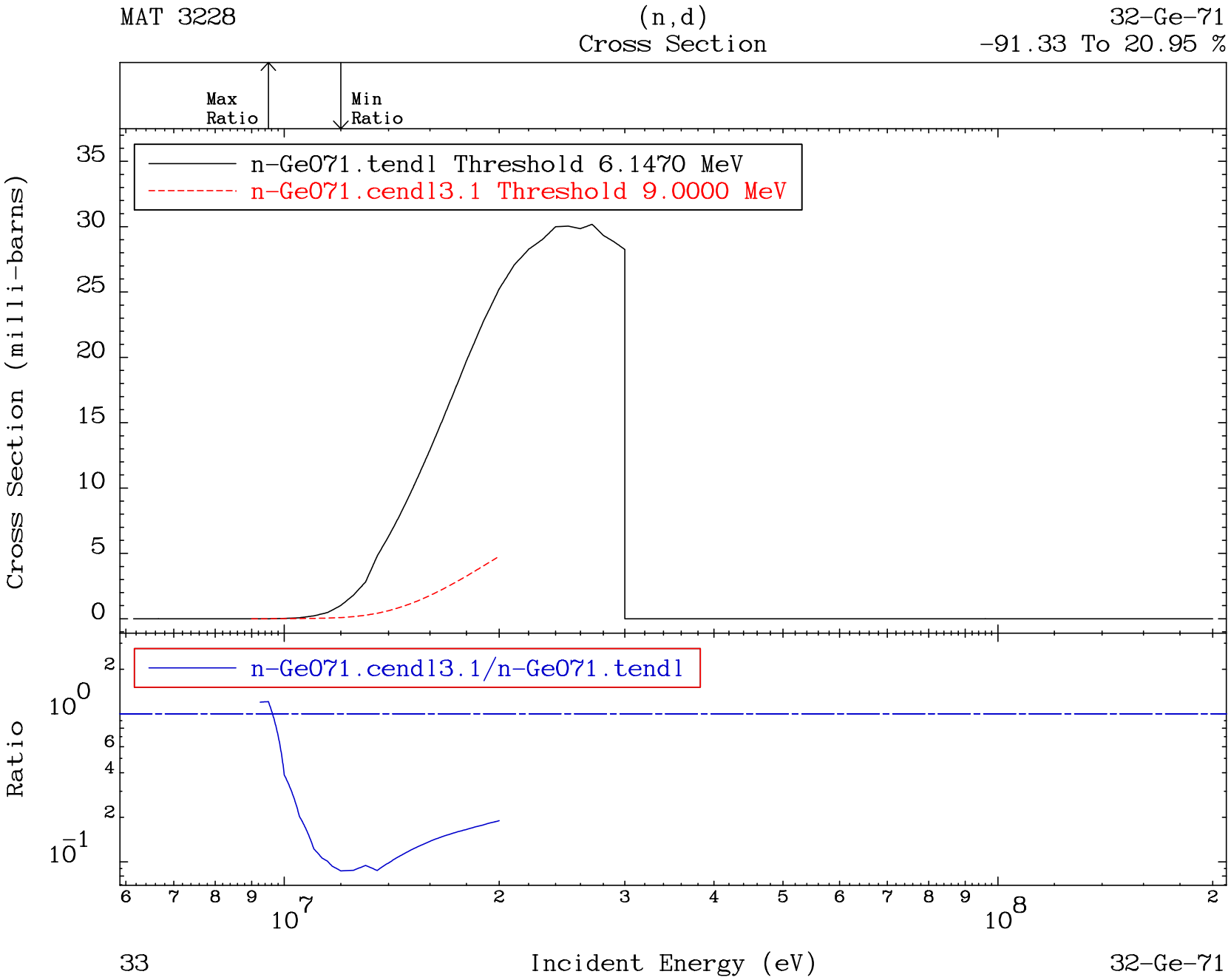

MAT 3228
MT= 71 (n,n') Level
Cross Section
32-Ge-71
72.64 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 1.2092 MeV
n-Ge071.cendl3.1 Threshold 1.2222 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^3
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
32-Ge-71

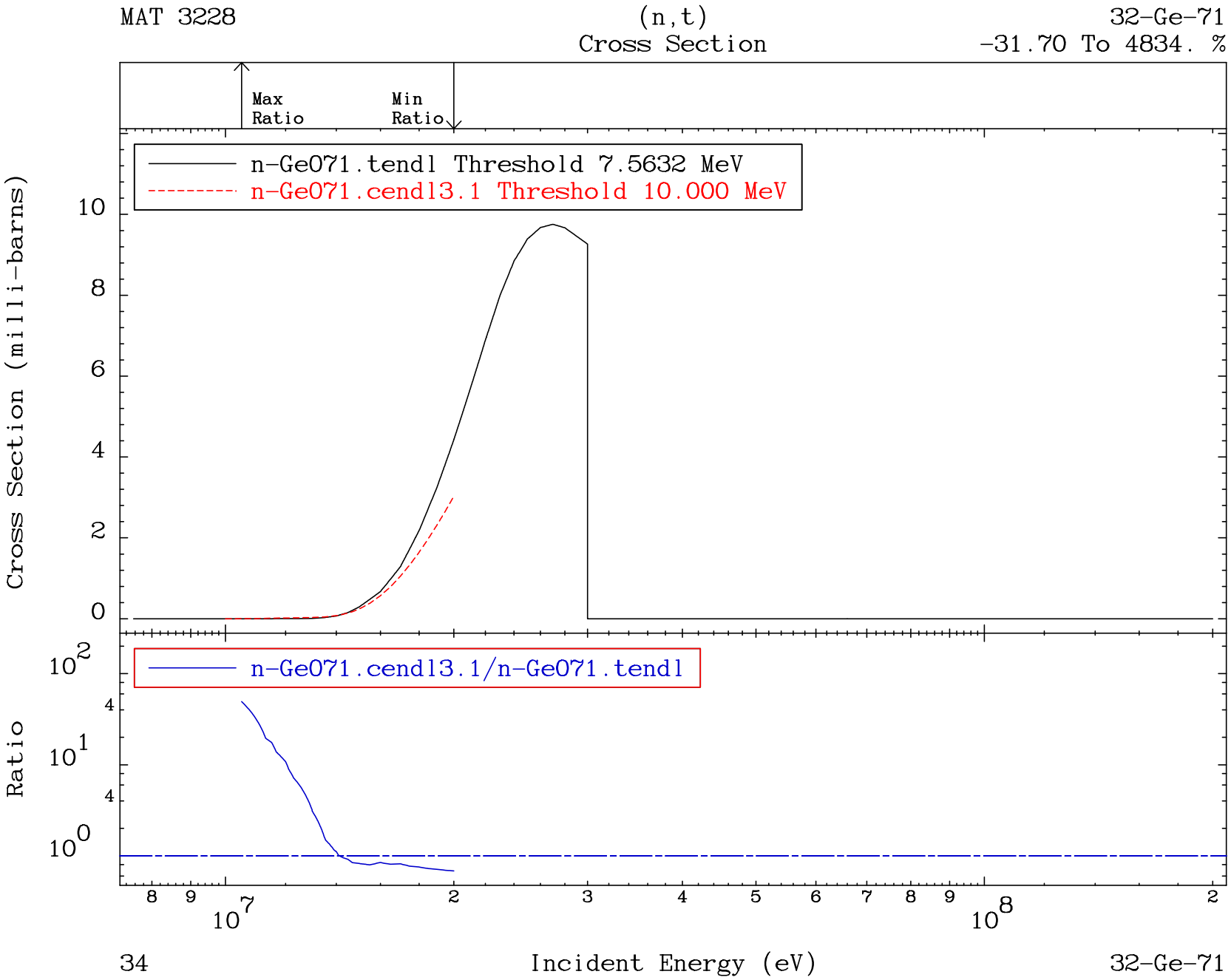

MAT 3228
MT= 72 (n,n') Level
Cross Section
32-Ge-71
4.706 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 1.2223 MeV
n-Ge071.cendl3.1 Threshold 1.2297 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
32-Ge-71

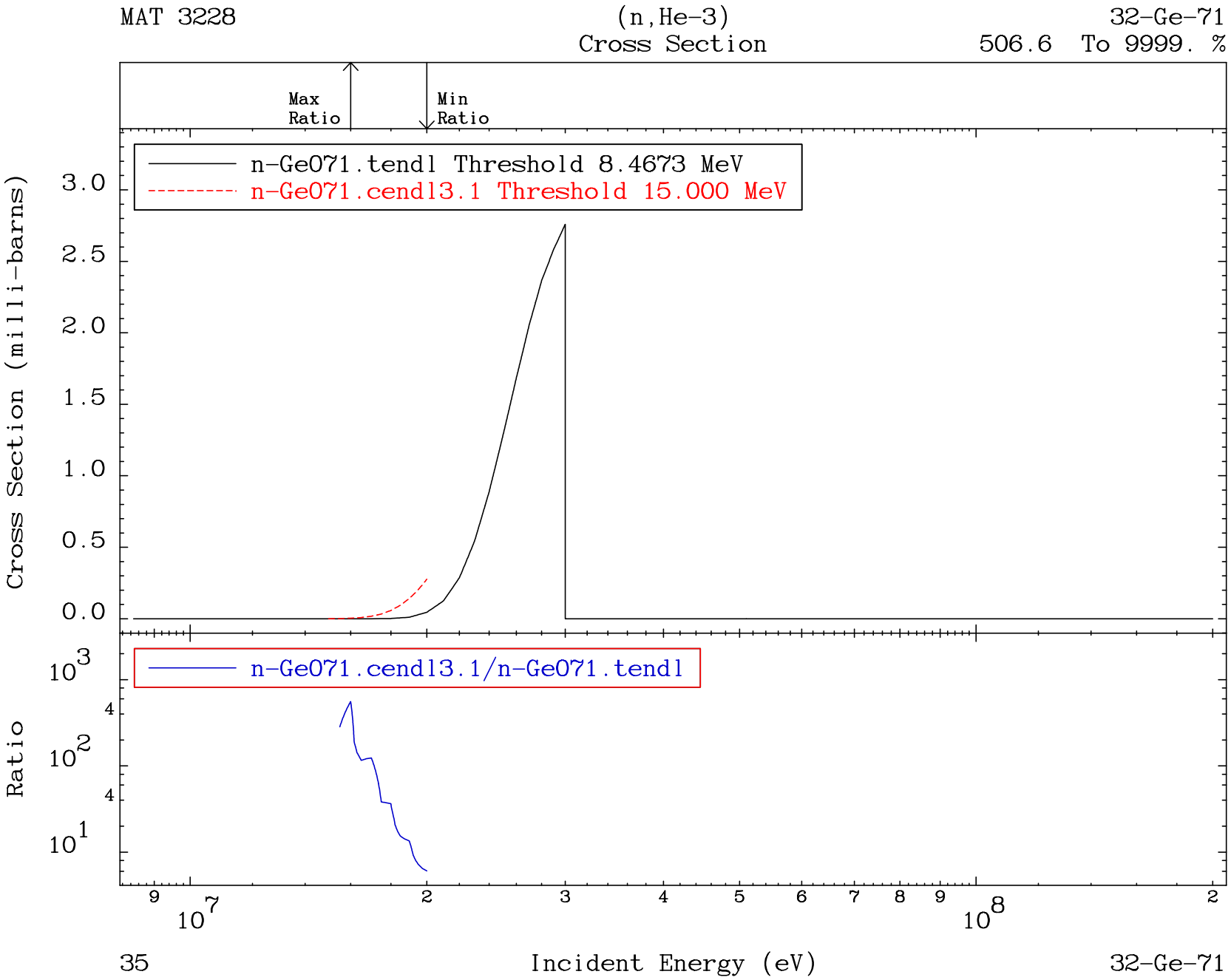

MAT 3228
(n,n') Continuum
Cross Section
32-Ge-71
-86.03 To 0.488 %
Min
Ratio
Max
Ratio
n-Ge071.tendl Threshold 1.4267 MeV
n-Ge071.cendl3.1 Threshold 1.7500 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
32-Ge-71

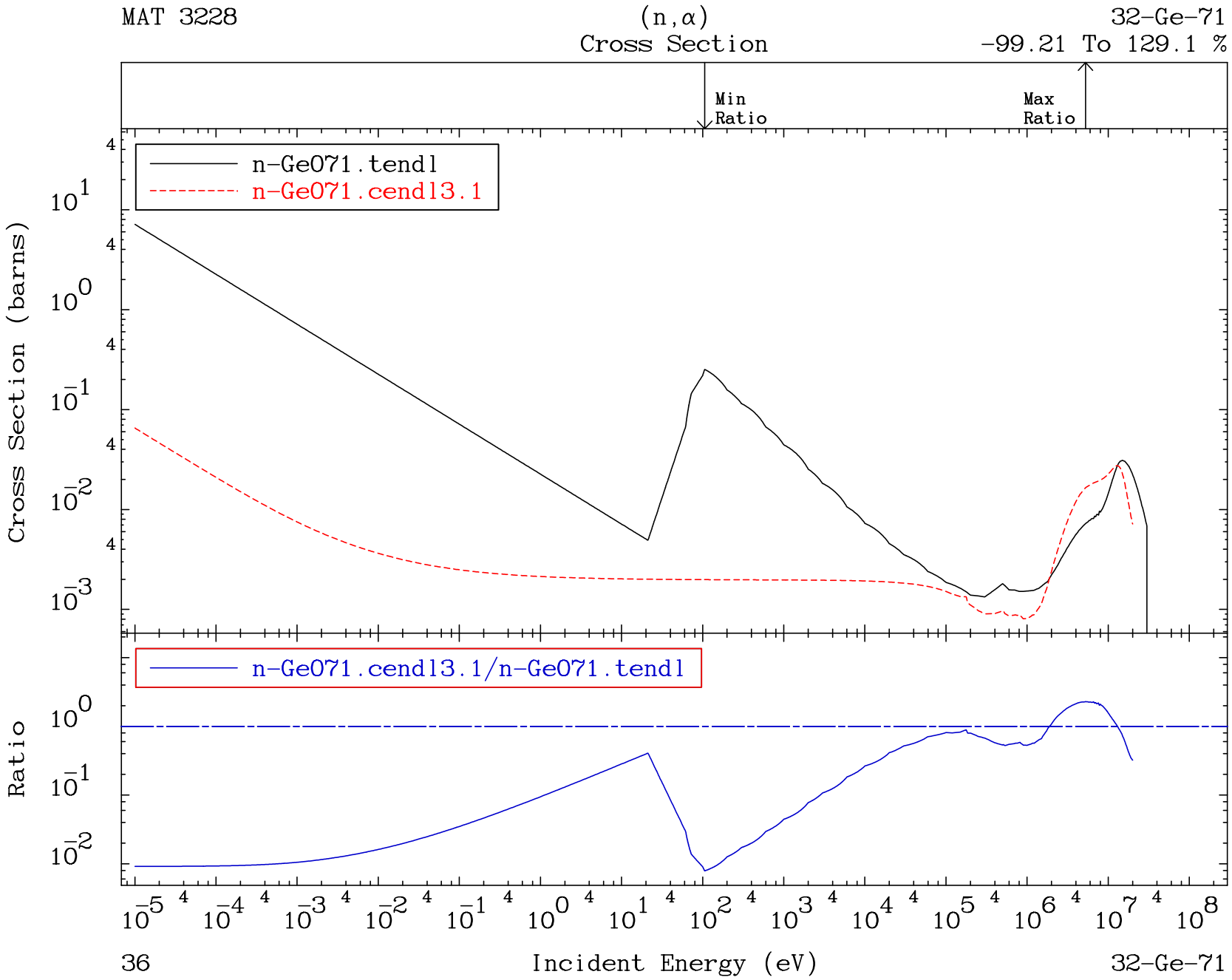

MAT 3228
(n,γ)
Cross Section
32-Ge-71
-99.98 To 8272. %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
31
32-Ge-71

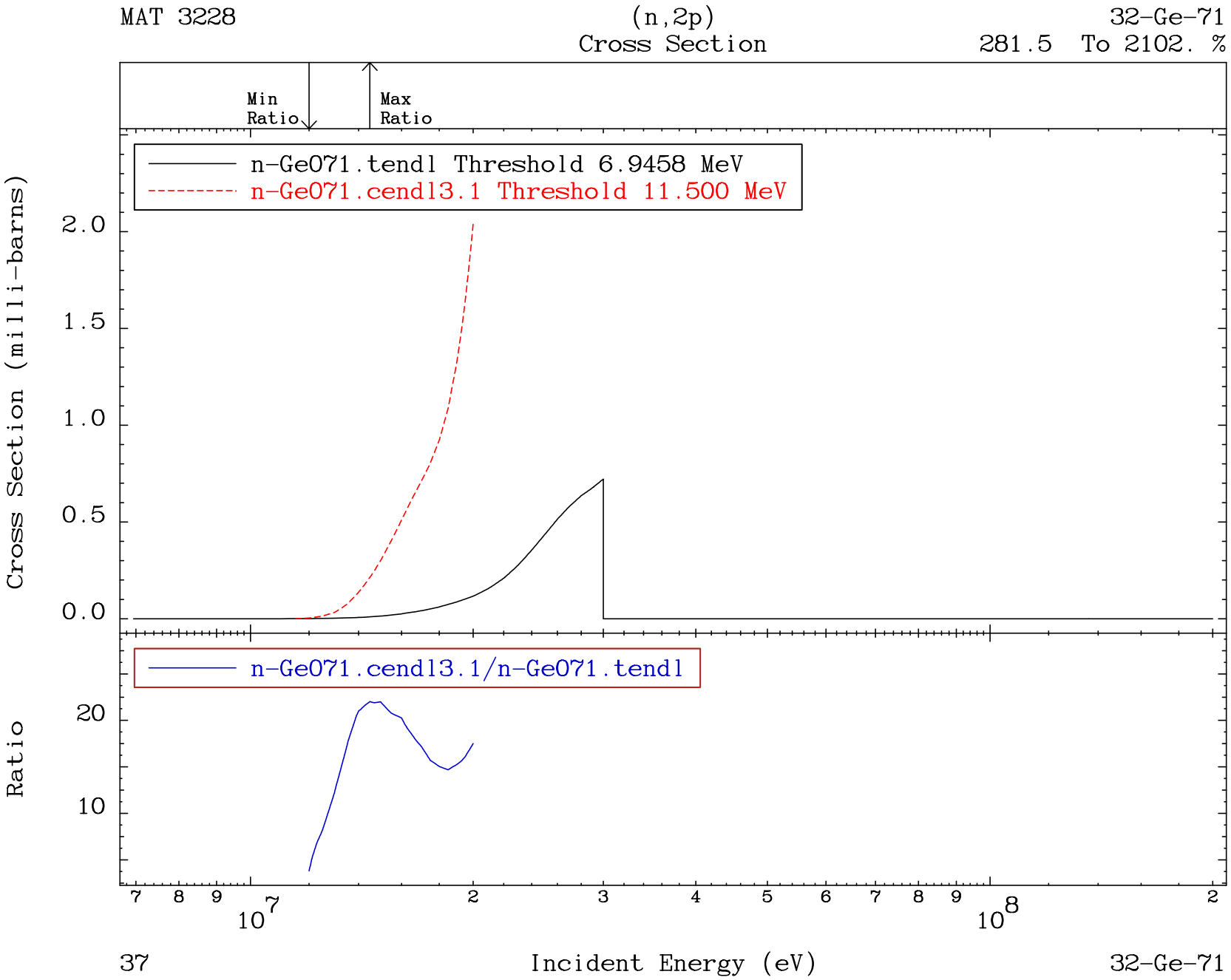

MAT 3228
(n,p)
Cross Section
32-Ge-71
-98.94 To 216.6 %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
32
Incident Energy (eV)
32-Ge-71

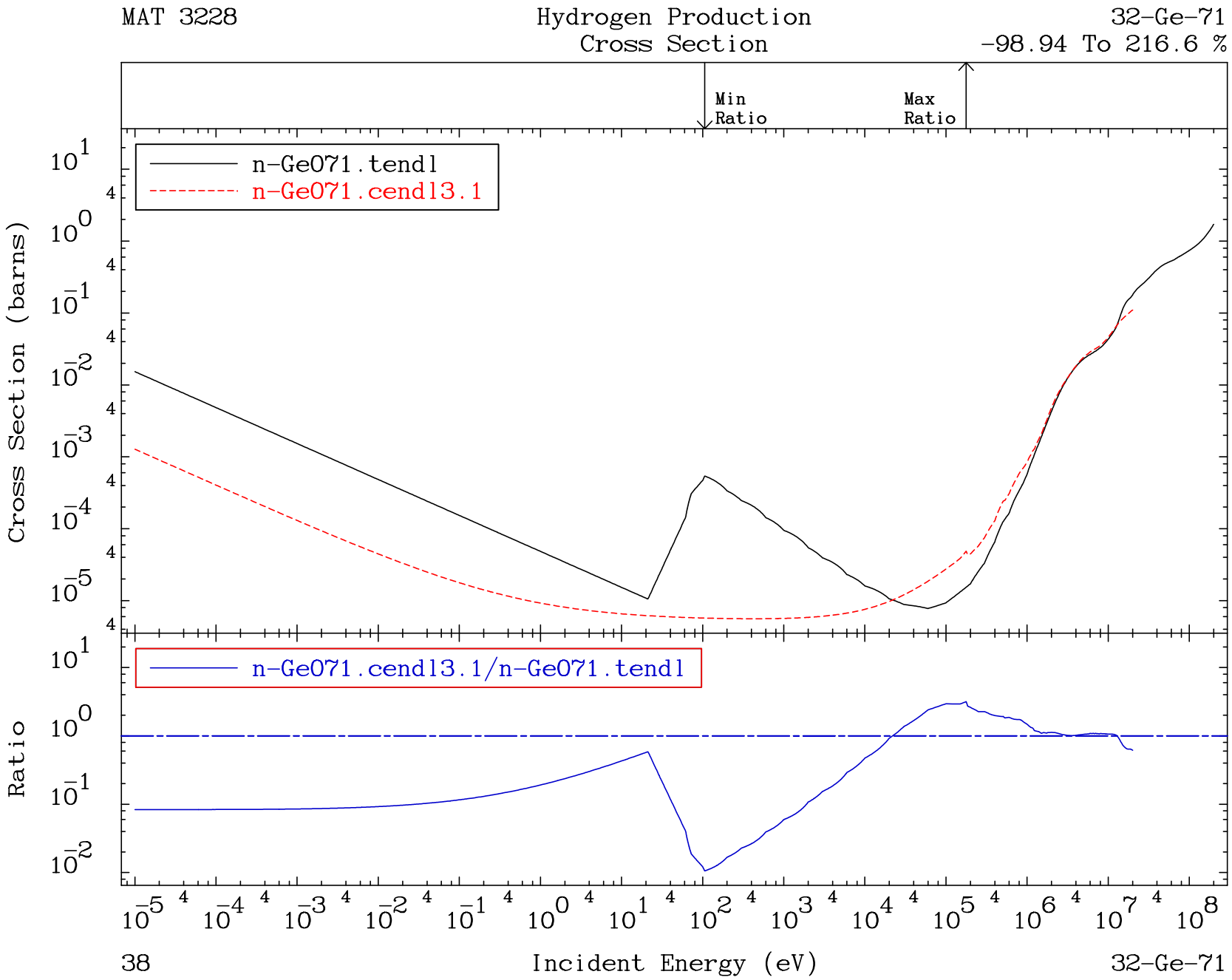

MAT 3228
(n,d)
Cross Section
32-Ge-71
-91.33 To 20.95 %
Max Ratio
Min Ratio
n-Ge071.tendl Threshold 6.1470 MeV
n-Ge071.cendl3.1 Threshold 9.0000 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
2
10^0
6
4
2
10^-1
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
32-Ge-71

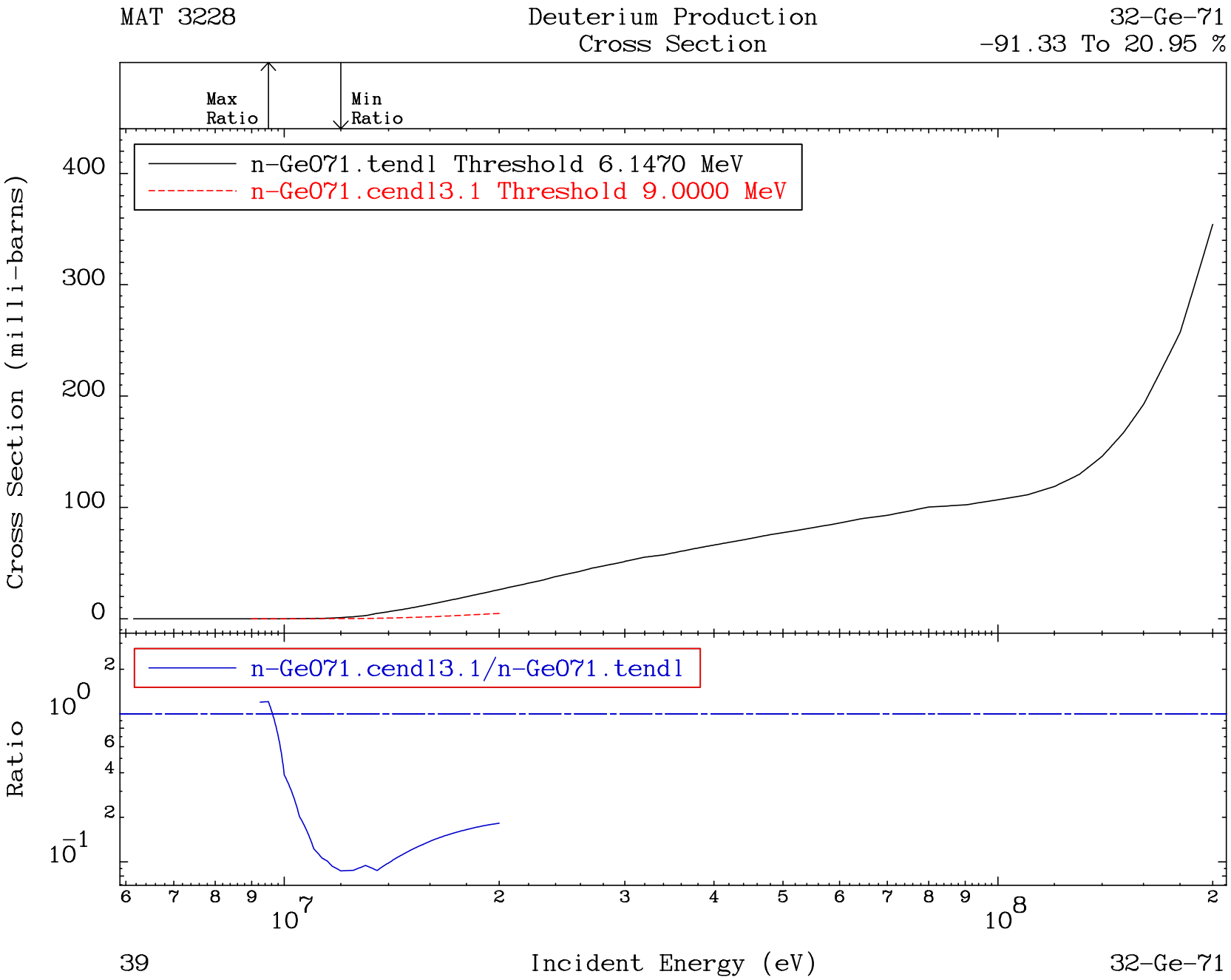

MAT 3228
(n,t)
Cross Section
32-Ge-71
-31.70 To 4834. %
Max Ratio
Min Ratio
n-Ge071.tendl Threshold 7.5632 MeV
n-Ge071.cendl3.1 Threshold 10.000 MeV
Cross Section (milli-barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
34
32-Ge-71

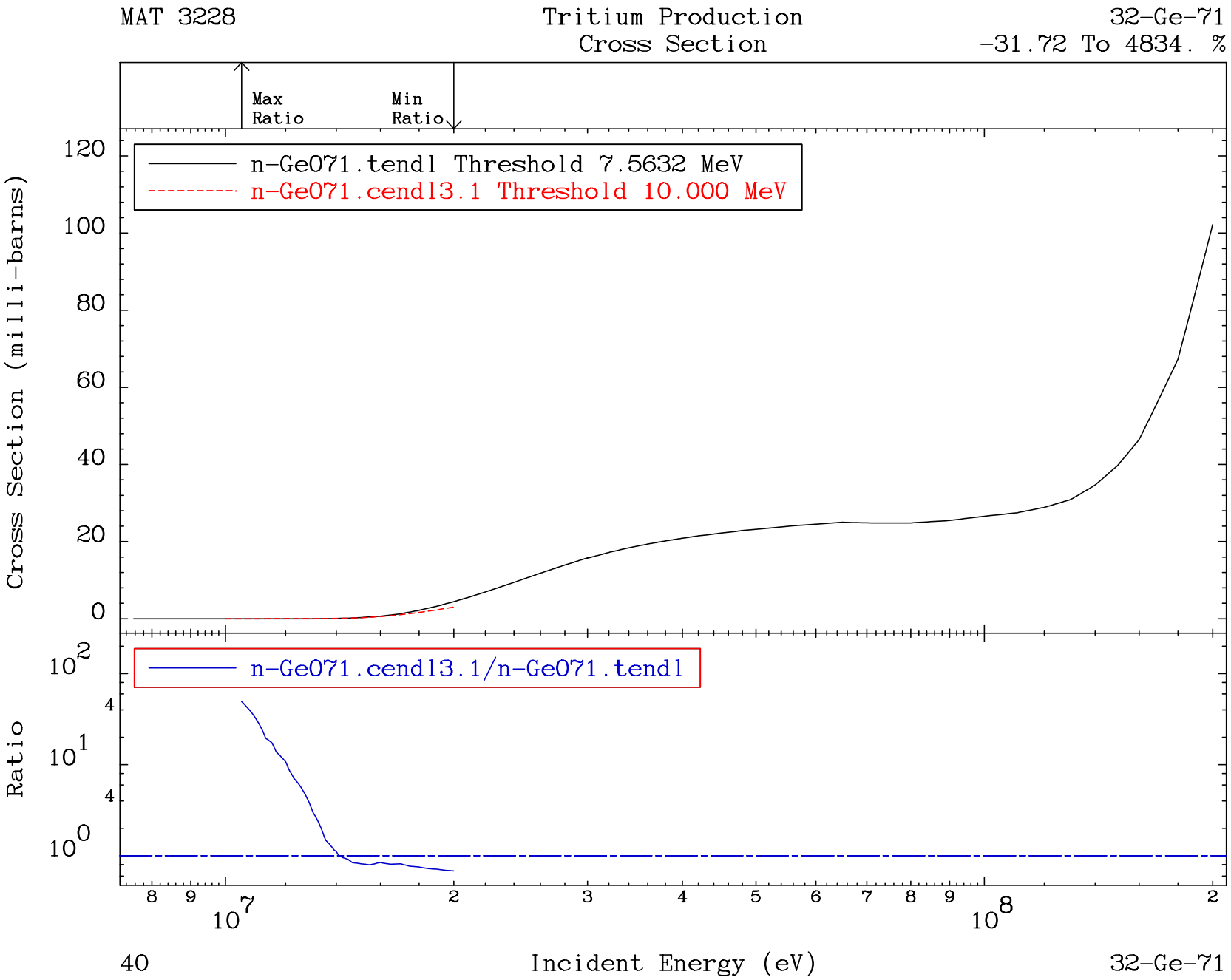

MAT 3228
(n,He-3)
Cross Section
32-Ge-71
506.6 To 9999. %
Max Ratio
Min Ratio
n-Ge071.tendl Threshold 8.4673 MeV
n-Ge071.cendl3.1 Threshold 15.000 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^3
10^2
10^1
9
10^7
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
32-Ge-71

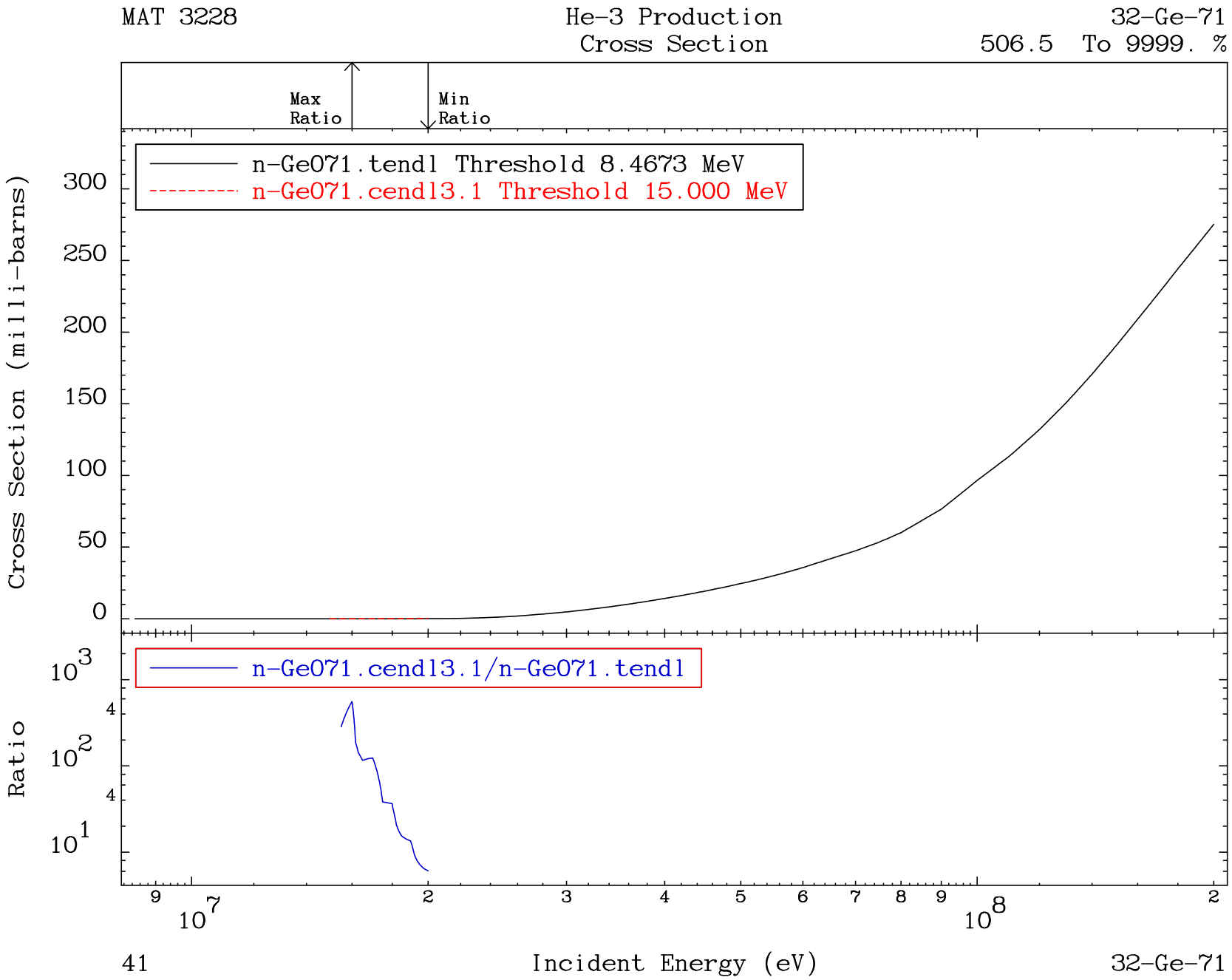

MAT 3228
(n,α)
Cross Section
32-Ge-71
-99.21 To 129.1 %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
36
32-Ge-71

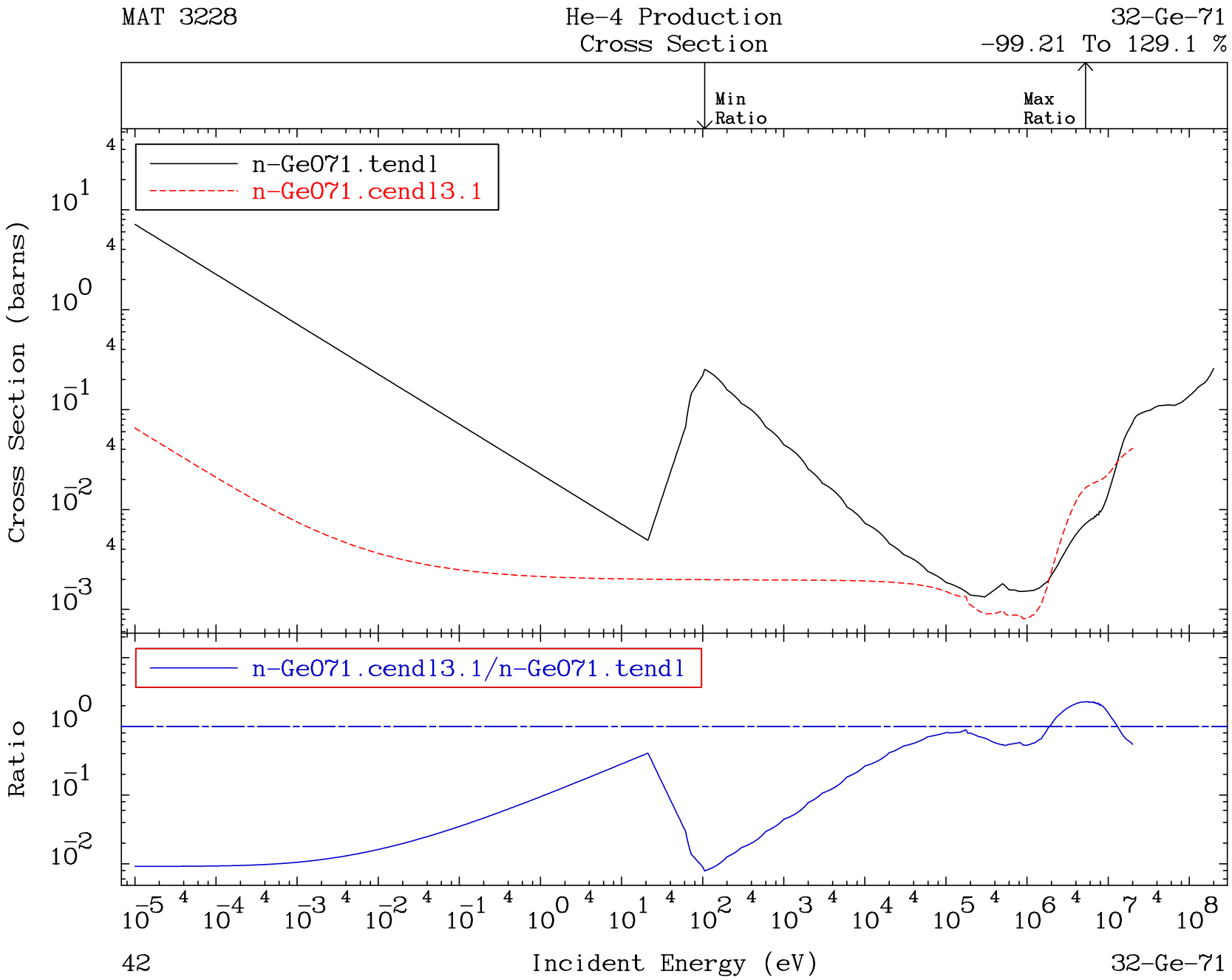

MAT 3228
(n,2p)
Cross Section
32-Ge-71
281.5 To 2102. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 6.9458 MeV
n-Ge071.cendl3.1 Threshold 11.500 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
20
10
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
32-Ge-71

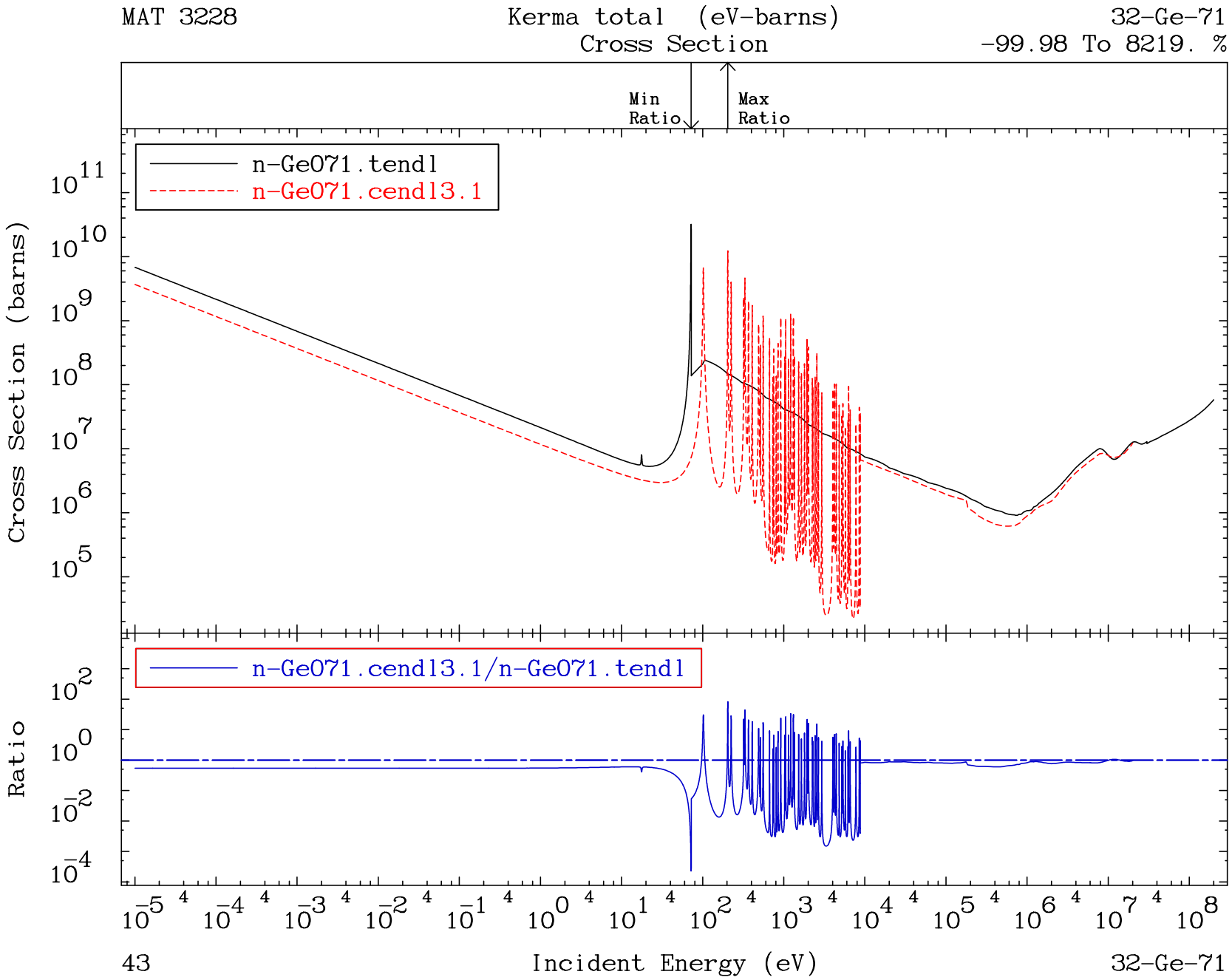

MAT 3228
Hydrogen Production
Cross Section
32-Ge-71
-98.94 To 216.6 %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
38
32-Ge-71

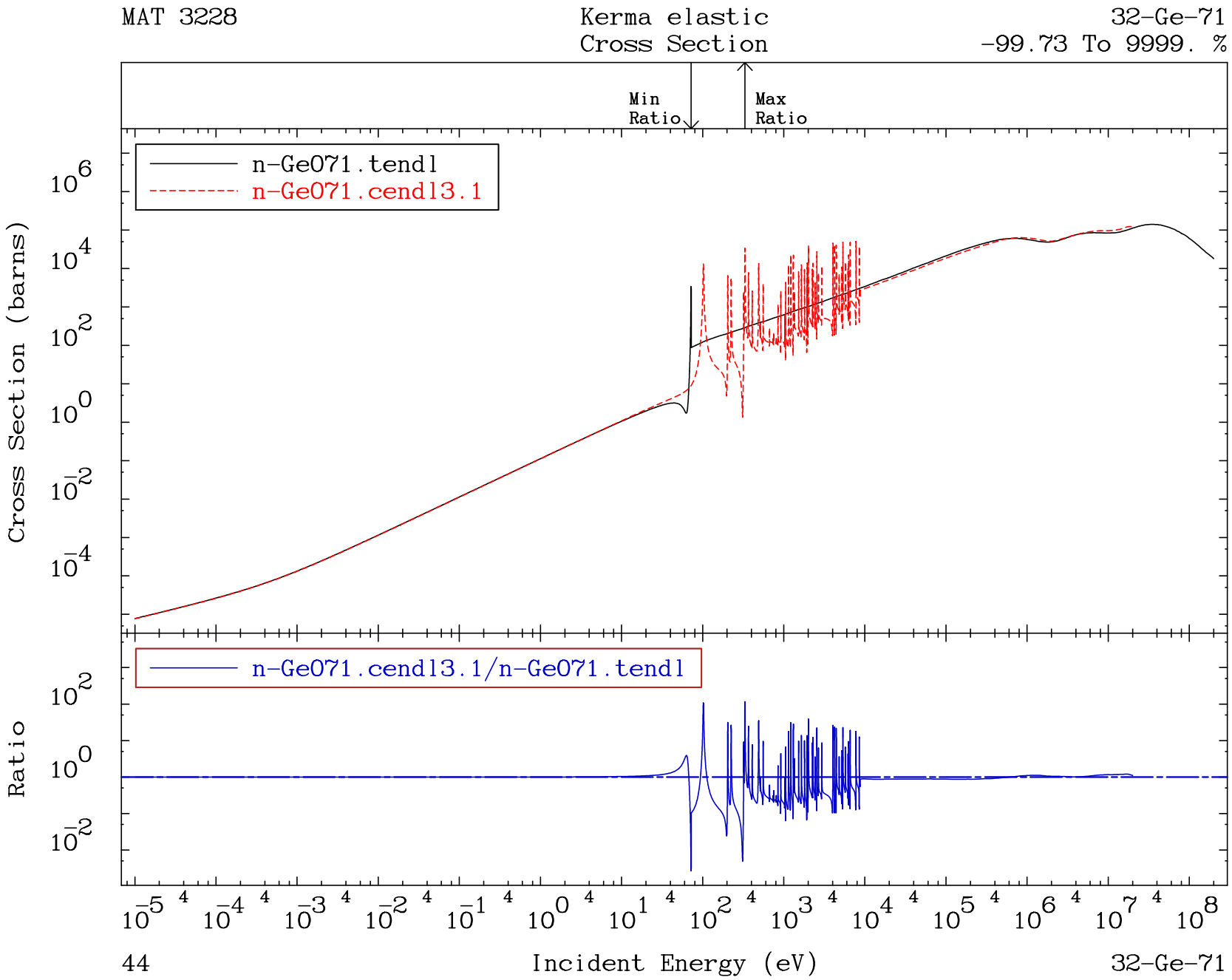

MAT 3228
Deuterium Production
Cross Section
32-Ge-71
-91.33 To 20.95 %
Max Ratio
Min Ratio
n-Ge071.tendl Threshold 6.1470 MeV
n-Ge071.cendl3.1 Threshold 9.0000 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
2
10^0
6
4
2
10^-1
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
32-Ge-71

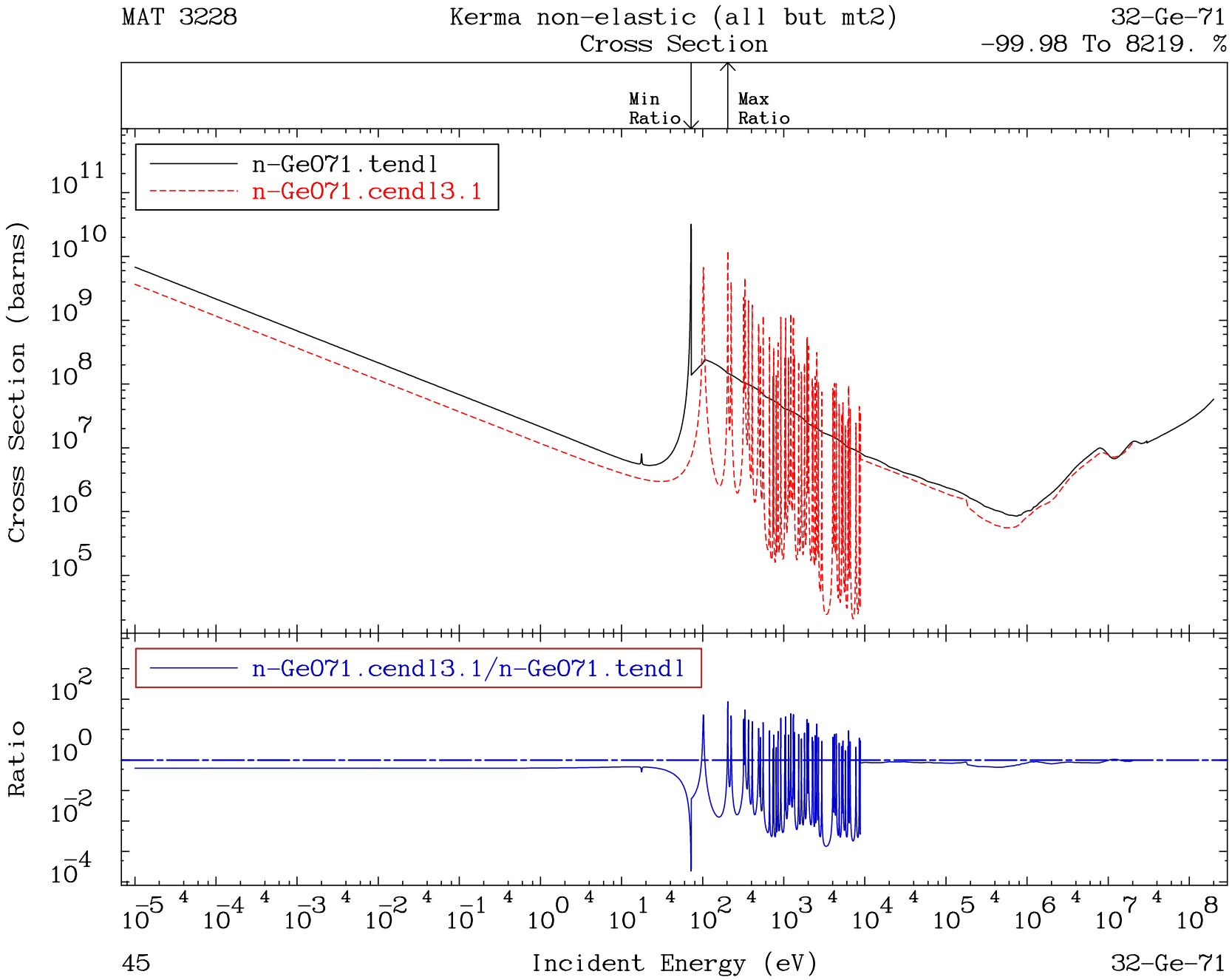

MAT 3228
Tritium Production
Cross Section
32-Ge-71
-31.72 To 4834. %
Max Ratio
Min Ratio
n-Ge071.tendl Threshold 7.5632 MeV
n-Ge071.cendl3.1 Threshold 10.000 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^2
4
10^1
4
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
40
Incident Energy (eV)
32-Ge-71

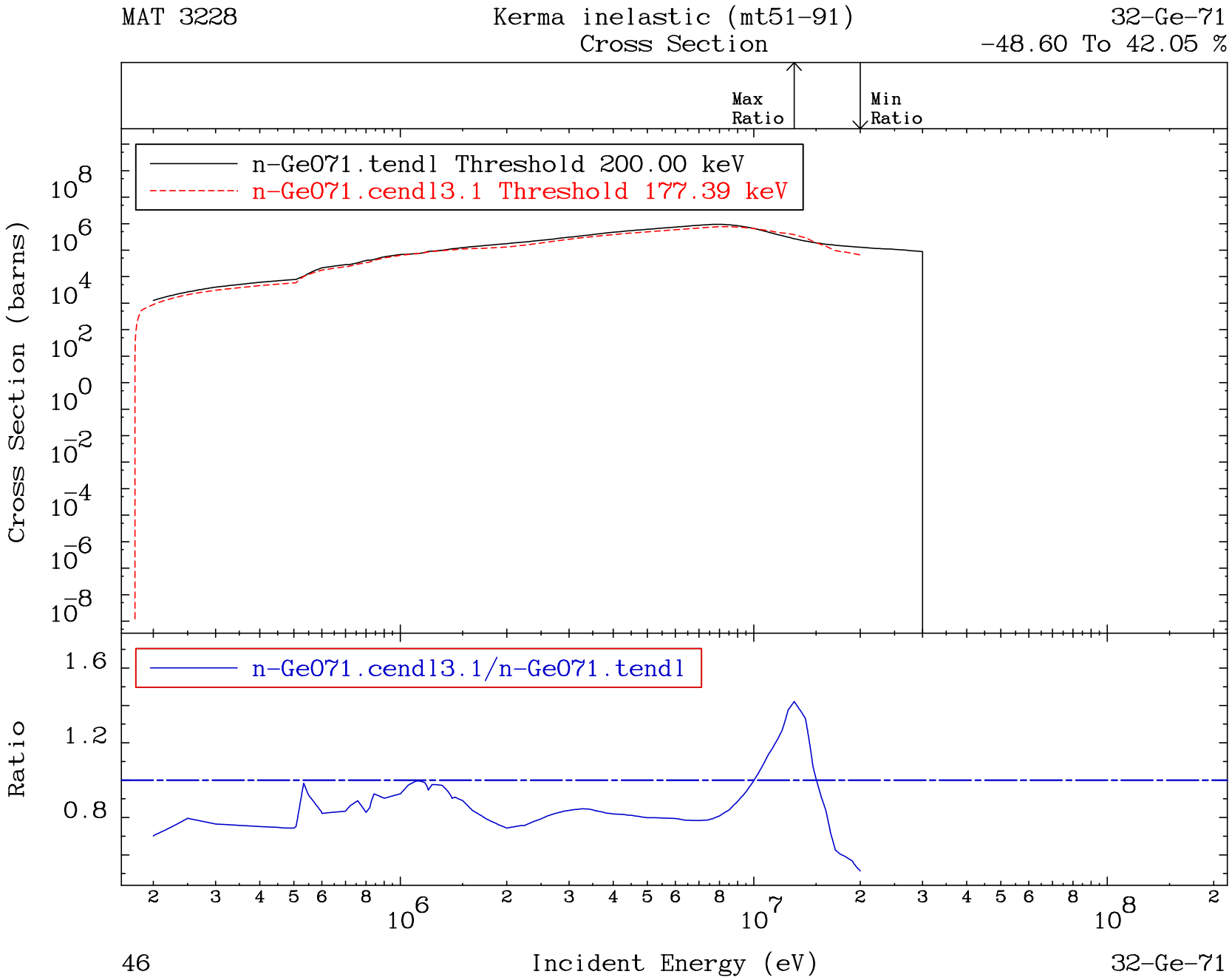

MAT 3228
He-3 Production
Cross Section
32-Ge-71
506.5 To 9999. %
Max Ratio
Min Ratio
n-Ge071.tendl Threshold 8.4673 MeV
n-Ge071.cendl3.1 Threshold 15.000 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^3
10^2
10^1
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
32-Ge-71

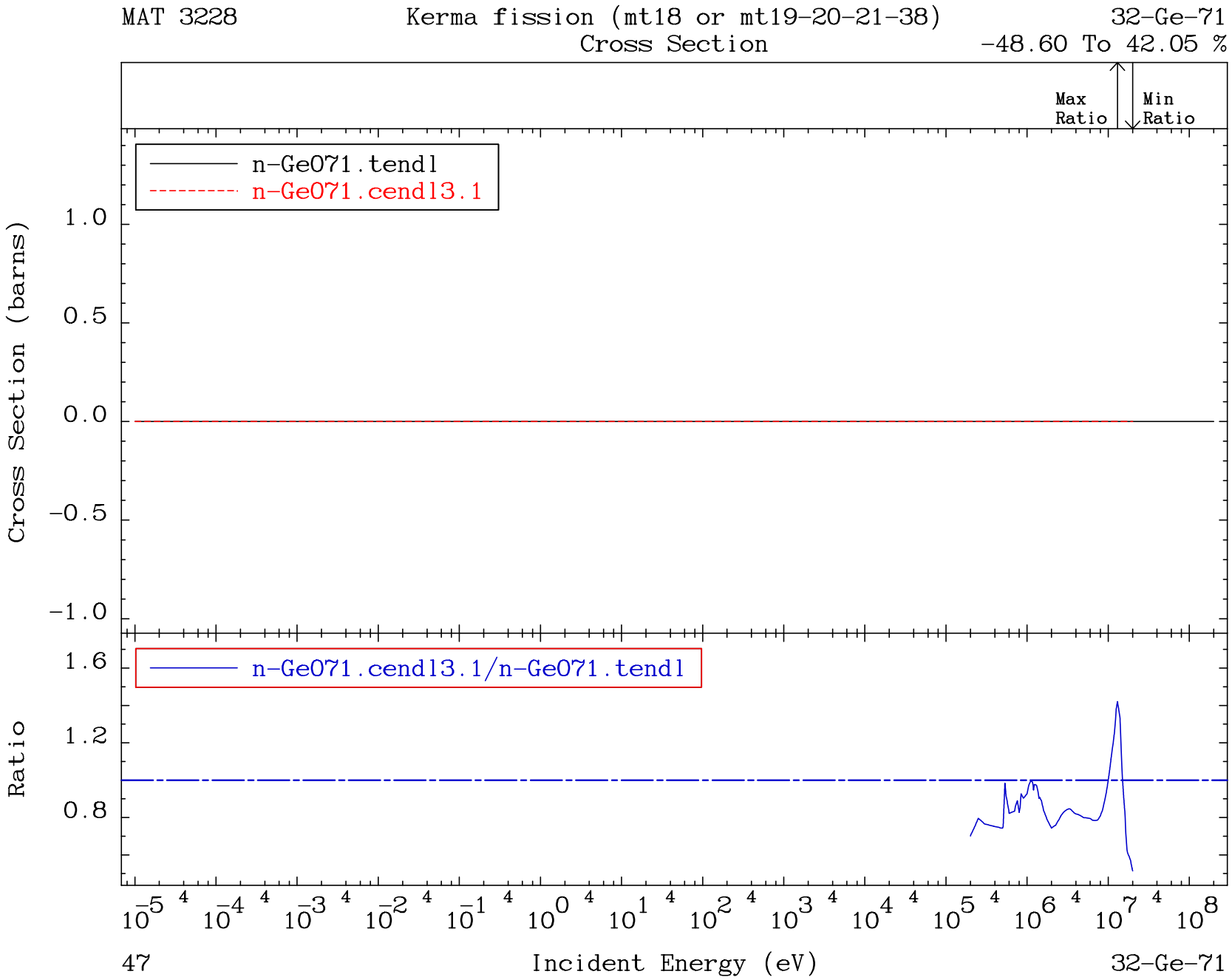

MAT 3228
He-4 Production
Cross Section
32-Ge-71
-99.21 To 129.1 %
Min
Ratio
Max
Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
42
Incident Energy (eV)
32-Ge-71

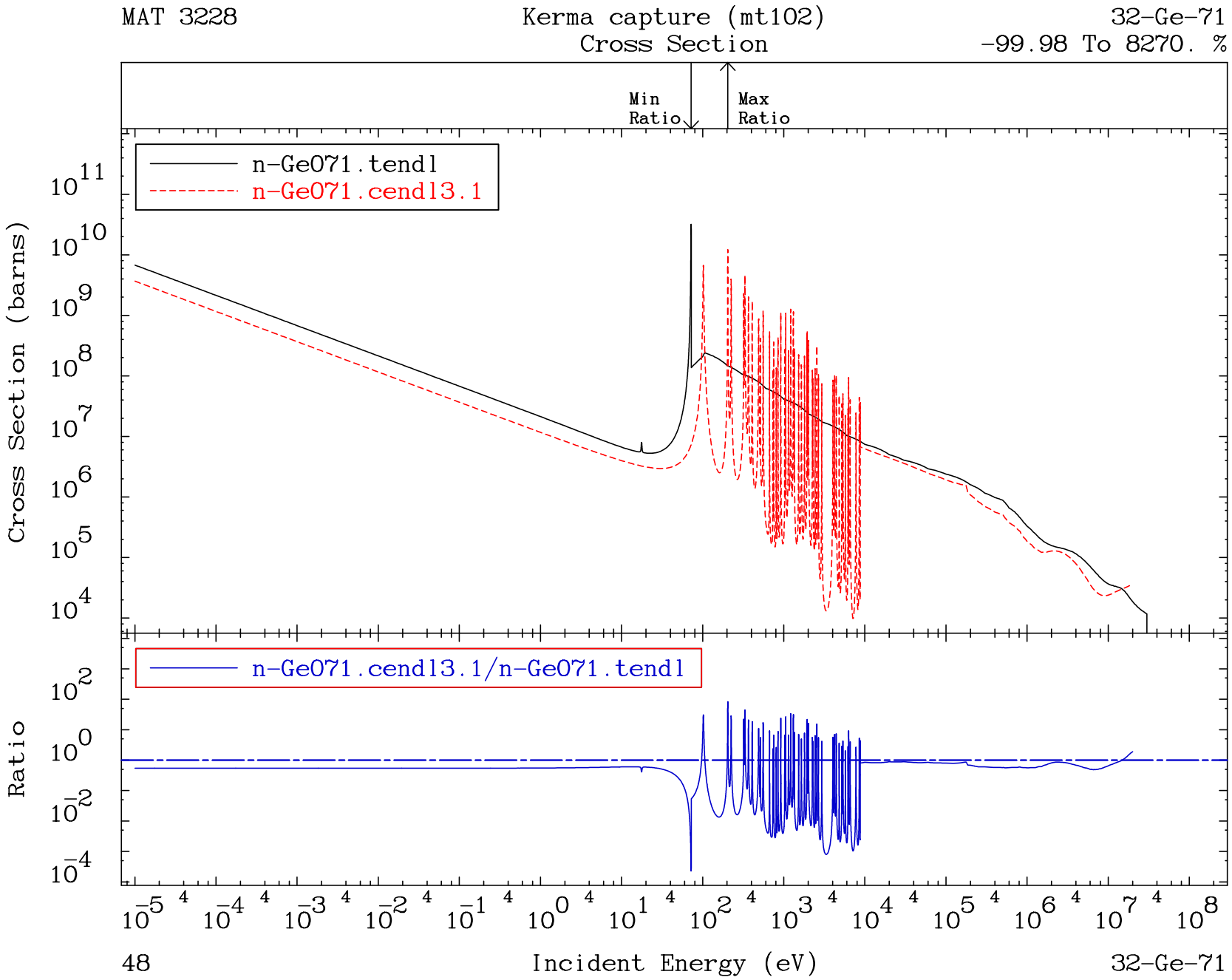

MAT 3228
Kerma total (eV-barns)
Cross Section
32-Ge-71
-99.98 To 8219. %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
43
32-Ge-71

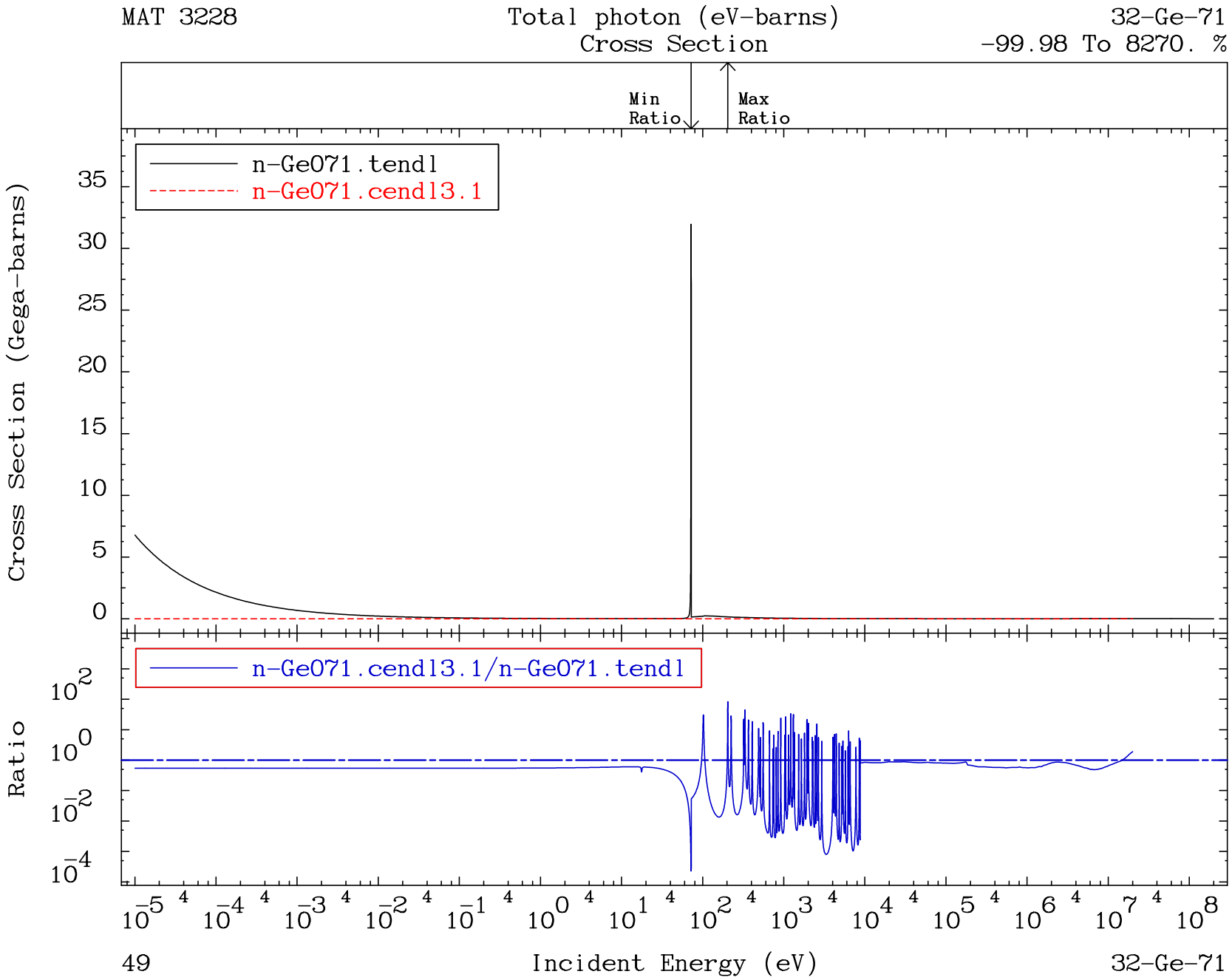

MAT 3228
Kerma elastic
Cross Section
32-Ge-71
-99.73 To 9999. %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
44
32-Ge-71

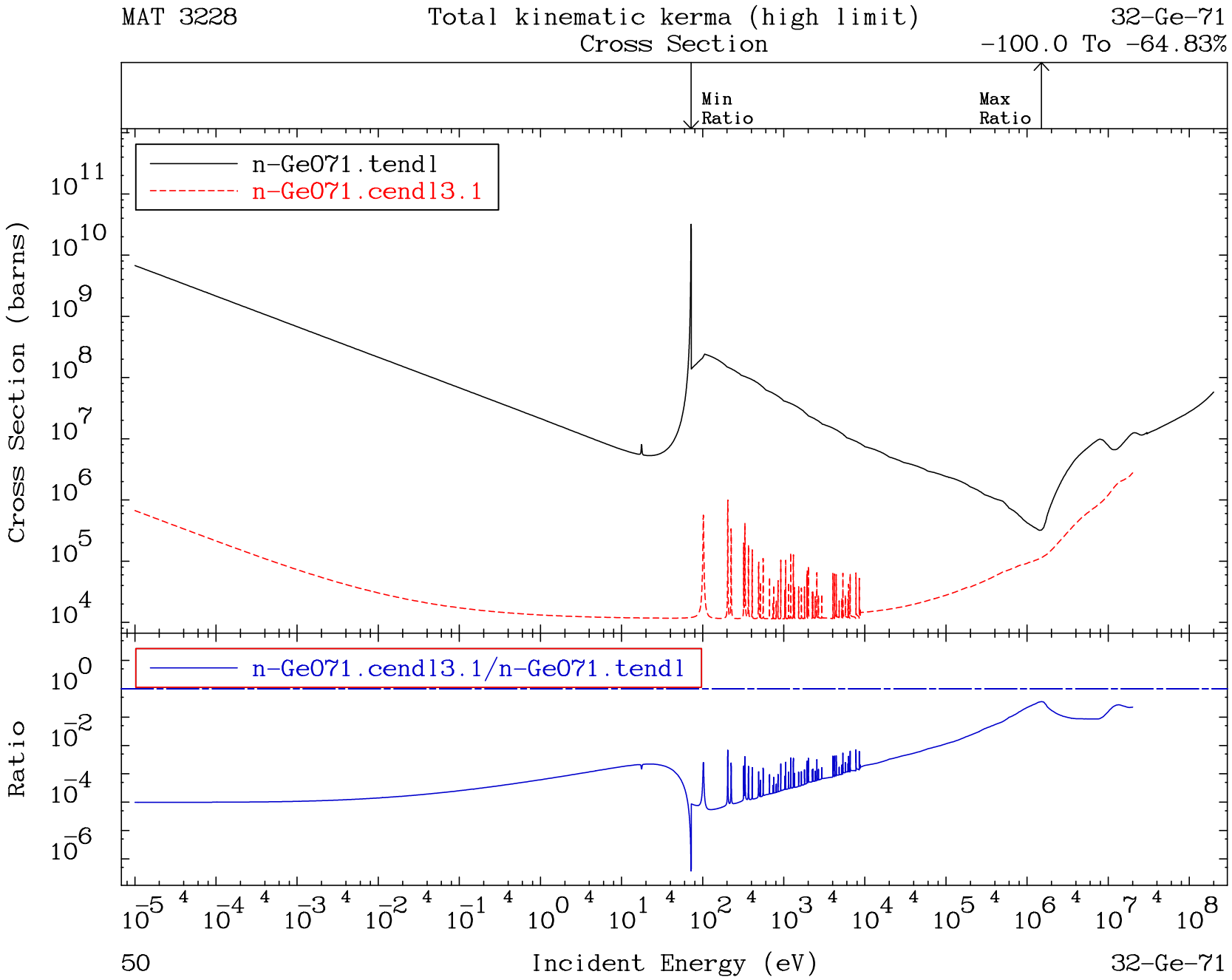

MAT 3228
Kerma non-elastic (all but mt2)
Cross Section
32-Ge-71
-99.98 To 8219. %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
45
32-Ge-71

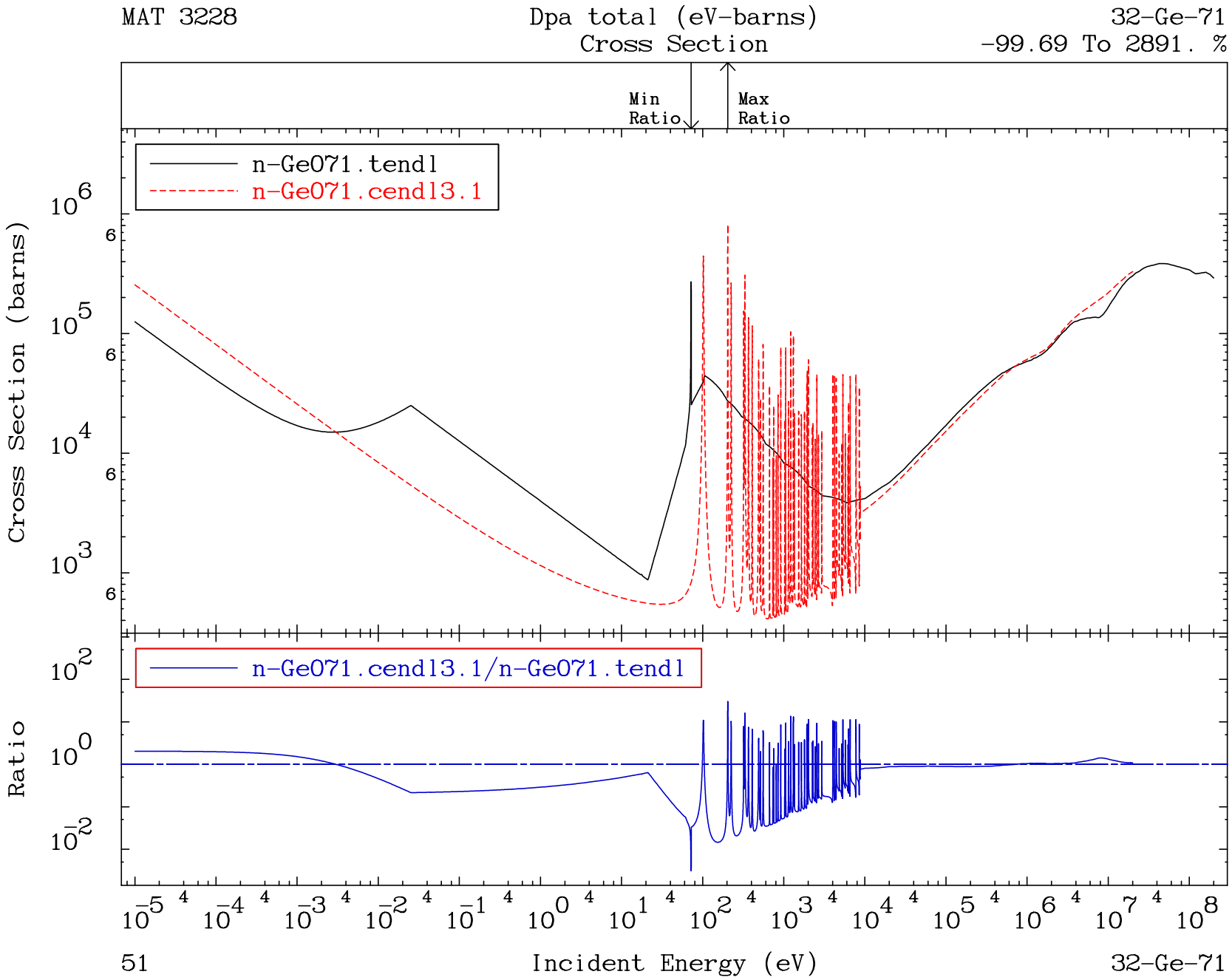

MAT 3228
Kerma inelastic (mt51-91)
Cross Section
32-Ge-71
-48.60 To 42.05 %
Max Ratio
Min Ratio
n-Ge071.tendl Threshold 200.00 keV
n-Ge071.cendl3.1 Threshold 177.39 keV
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
46
32-Ge-71

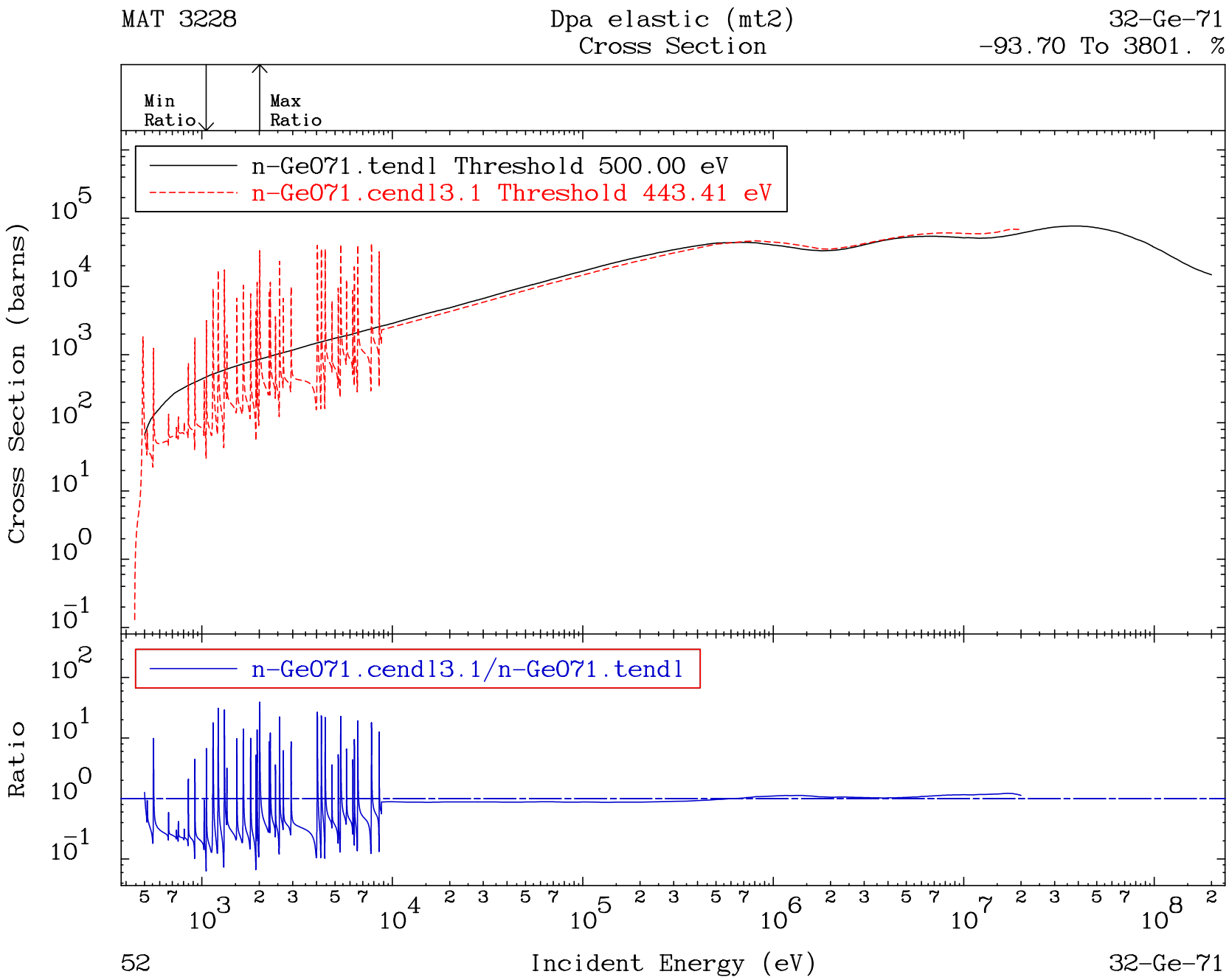

MAT 3228
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
32-Ge-71
-48.60 To 42.05 %
Max Ratio
Min Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
1.6
1.2
0.8
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
47
Incident Energy (eV)
32-Ge-71

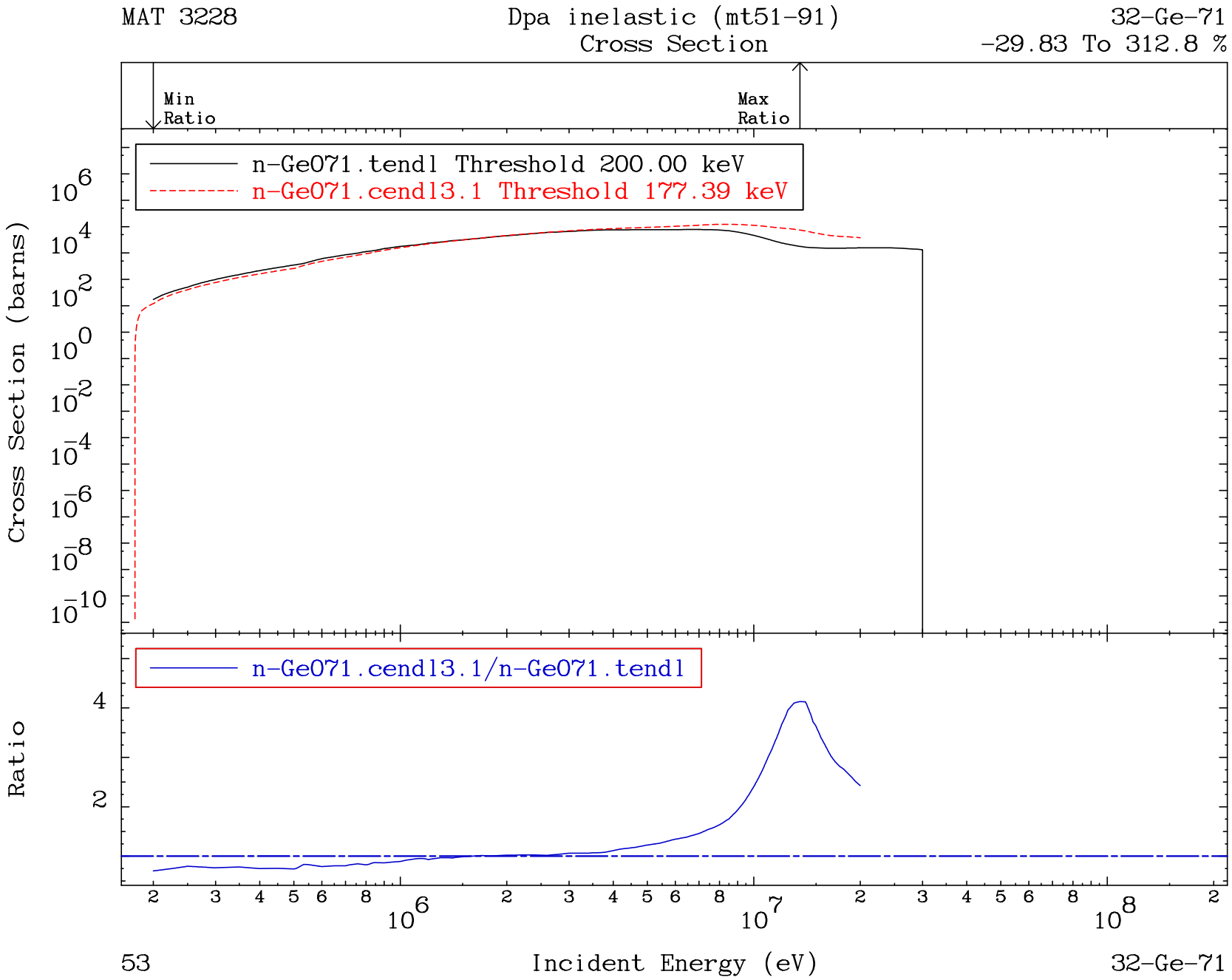

MAT 3228
Kerma capture (mt102)
Cross Section
32-Ge-71
-99.98 To 8270. %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
48
32-Ge-71

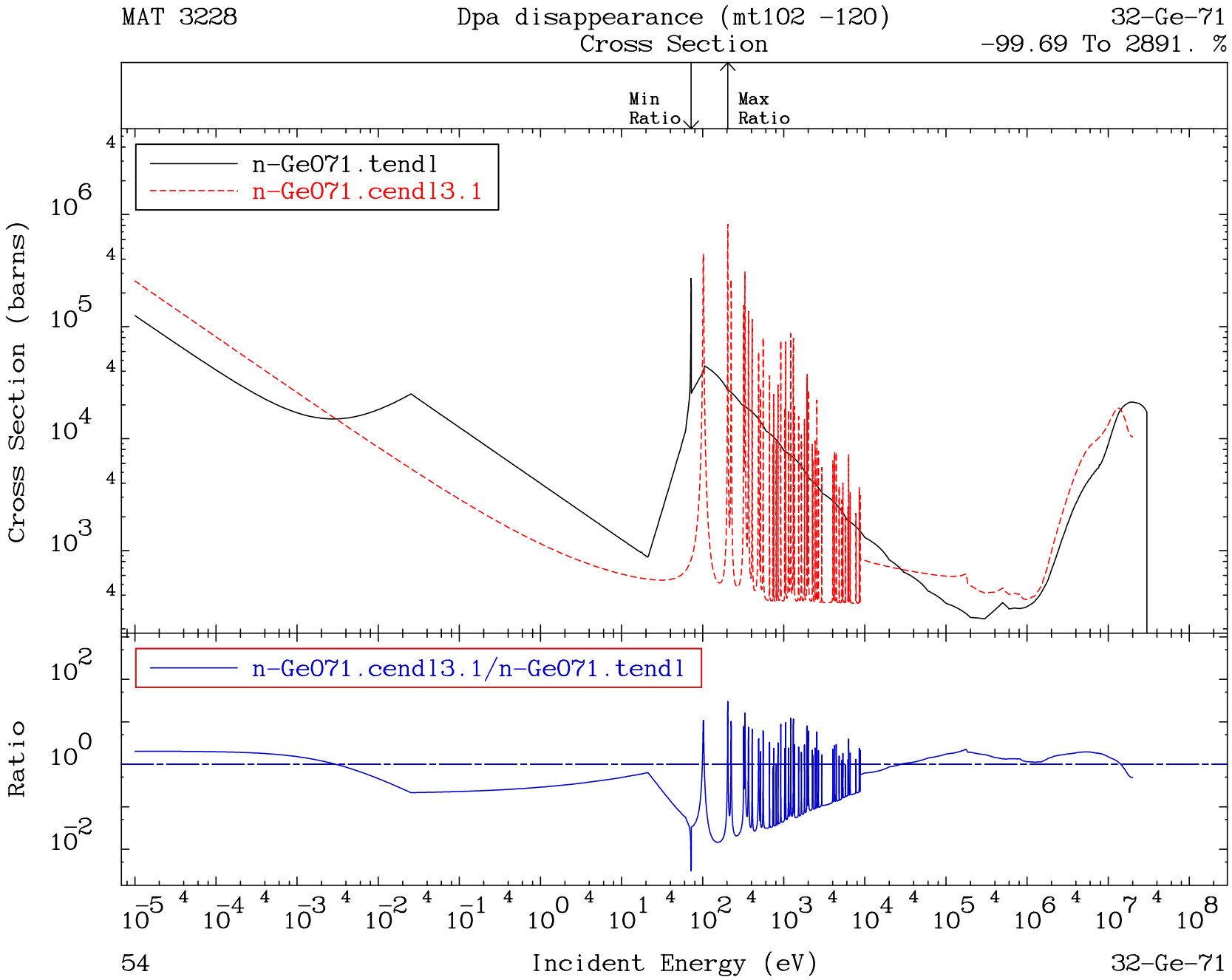

MAT 3228
Total photon (eV-barns)
Cross Section
32-Ge-71
-99.98 To 8270. %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (Giga-barns)
35
30
25
20
15
10
5
0
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
10^2
10^0
10^-2
10^-4
10^-5
10^-4
10^-3
10^-2
10^-1
10^0
10^1
10^2
10^3
10^4
10^5
10^6
10^7
10^8
49
Incident Energy (eV)
32-Ge-71


MAT 3228
Total kinematic kerma (high limit)
Cross Section
32-Ge-71
-100.0 To -64.83%
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
50
32-Ge-71


MAT 3228
Dpa total (eV-barns)
Cross Section
32-Ge-71
-99.69 To 2891. %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
51
32-Ge-71


MAT 3228
Dpa elastic (mt2)
Cross Section
32-Ge-71
-93.70 To 3801. %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 500.00 eV
n-Ge071.cendl3.1 Threshold 443.41 eV
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
52
32-Ge-71


MAT 3228
Dpa inelastic (mt51-91)
Cross Section
32-Ge-71
-29.83 To 312.8 %
Min Ratio
Max Ratio
n-Ge071.tendl Threshold 200.00 keV
n-Ge071.cendl3.1 Threshold 177.39 keV
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
53
32-Ge-71


MAT 3228
Dpa disappearance (mt102 -120)
Cross Section
32-Ge-71
-99.69 To 2891. %
Min Ratio
Max Ratio
n-Ge071.tendl
n-Ge071.cendl3.1
Cross Section (barns)
n-Ge071.cendl3.1/n-Ge071.tendl
Ratio
Incident Energy (eV)
54
32-Ge-71