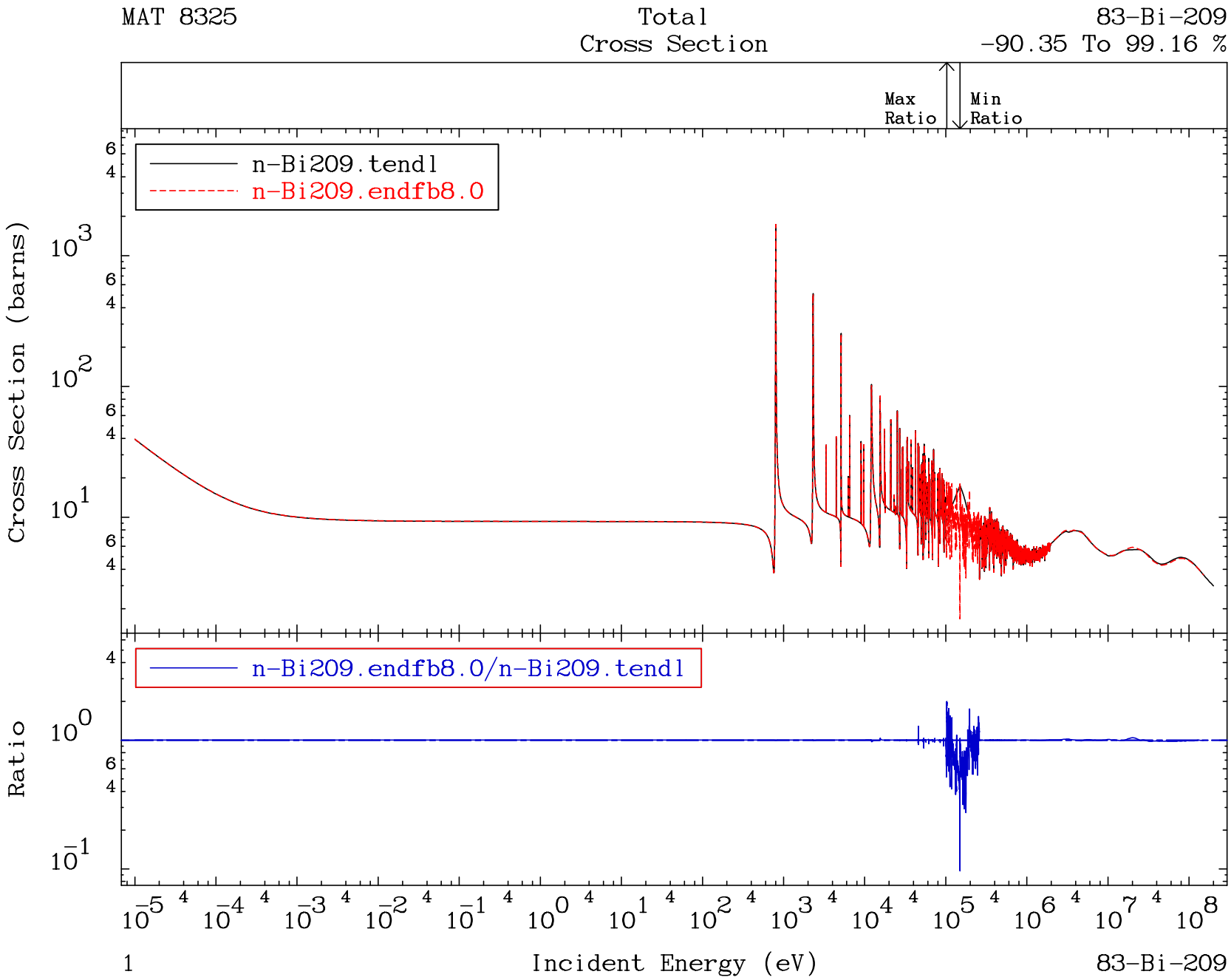
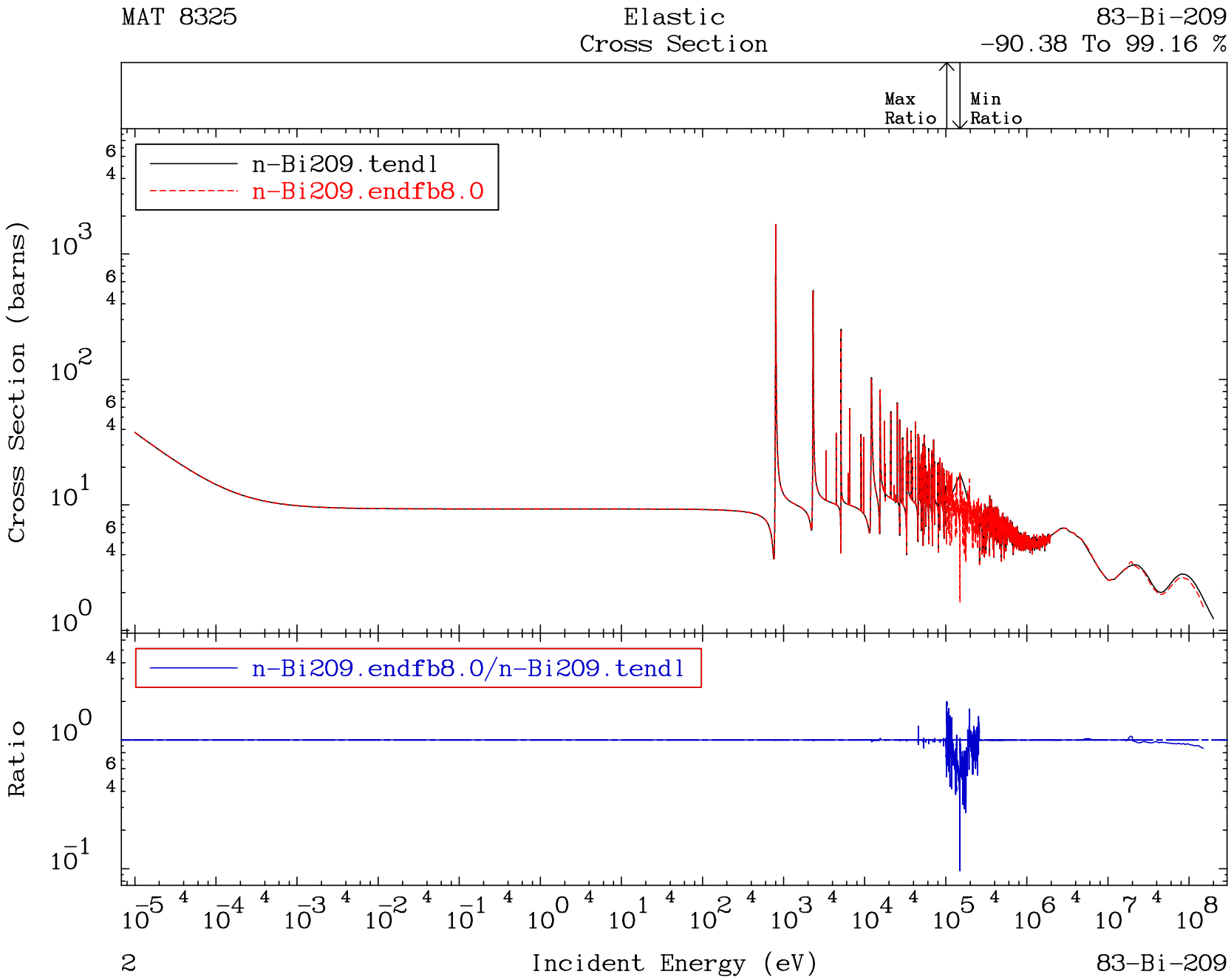
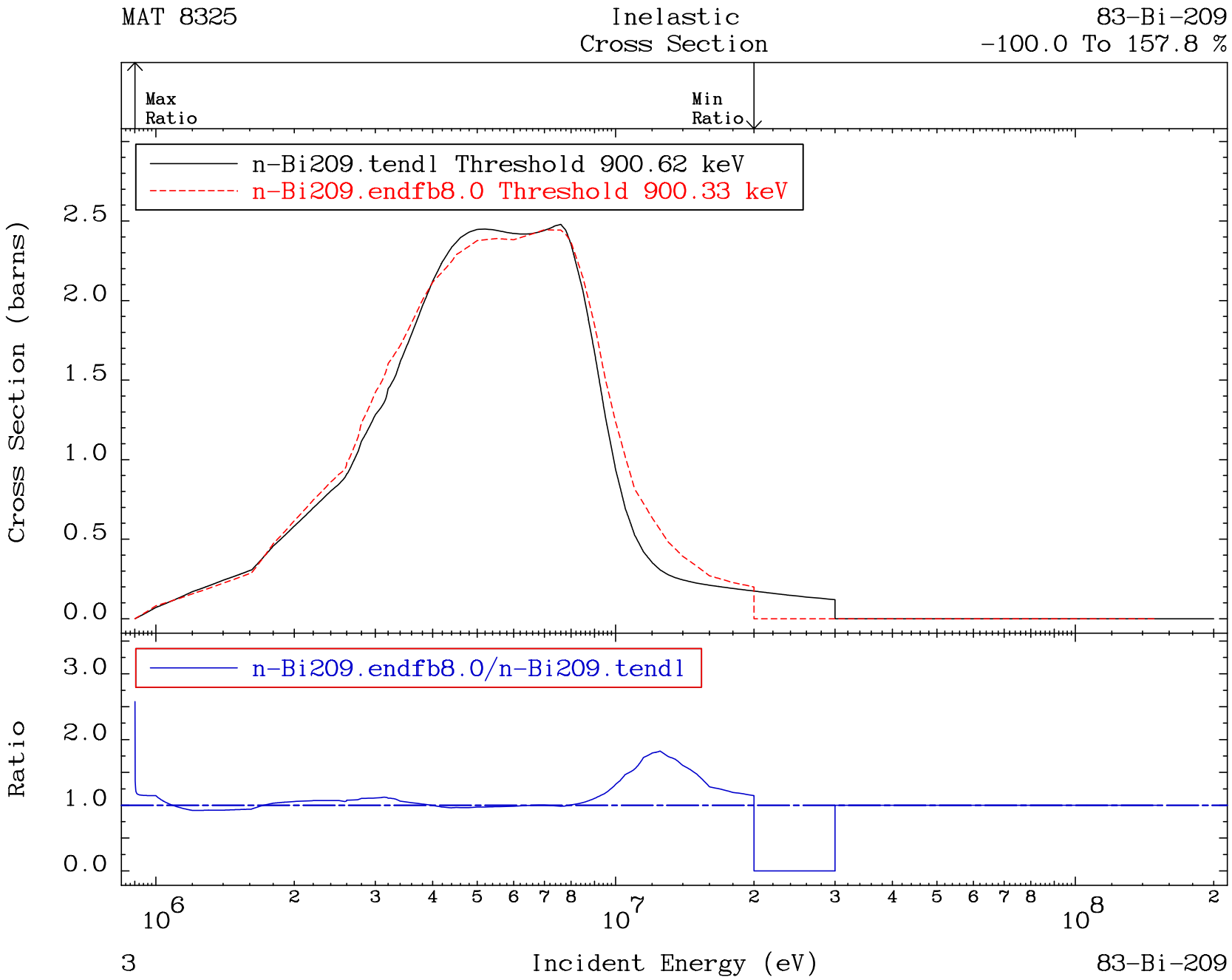
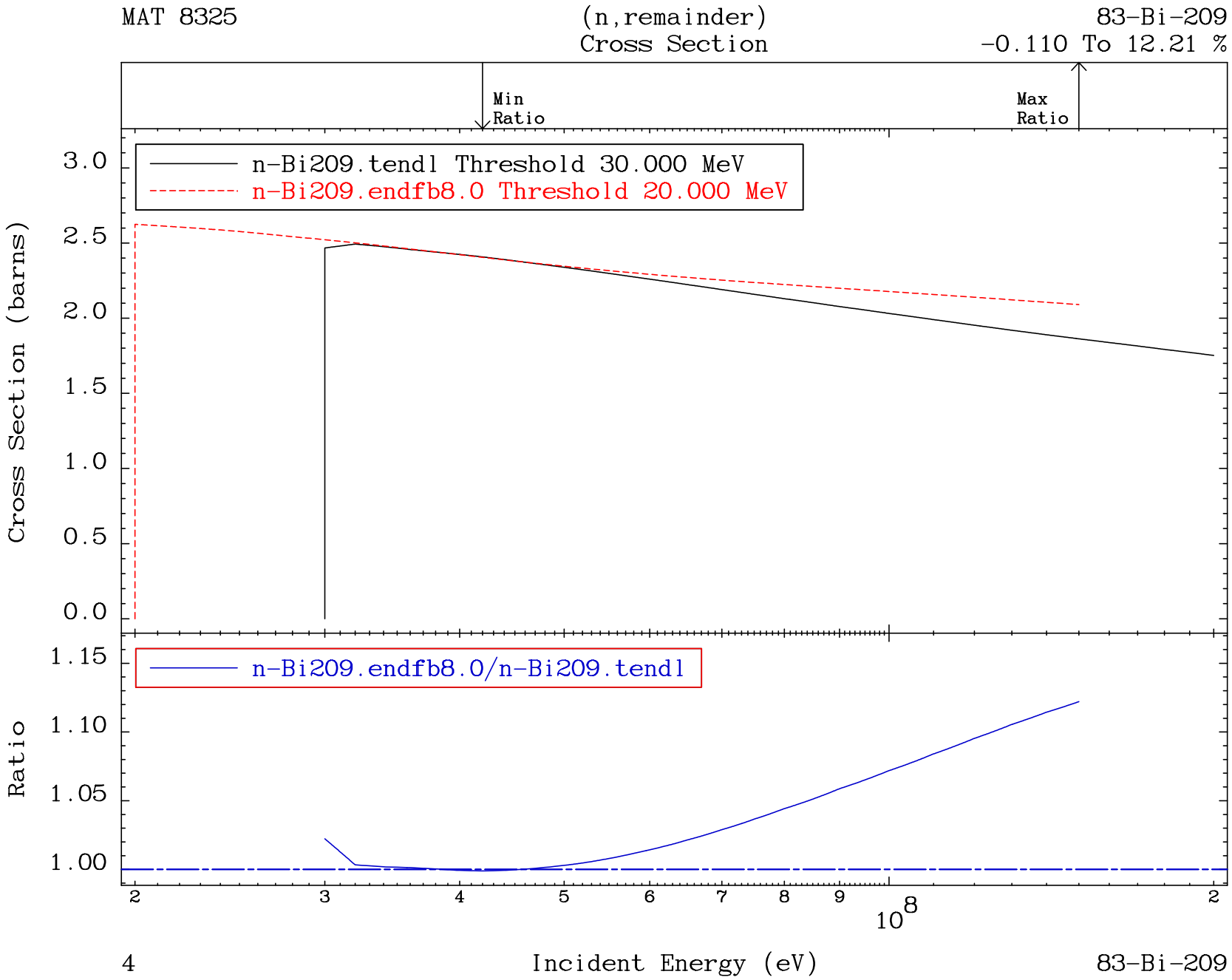
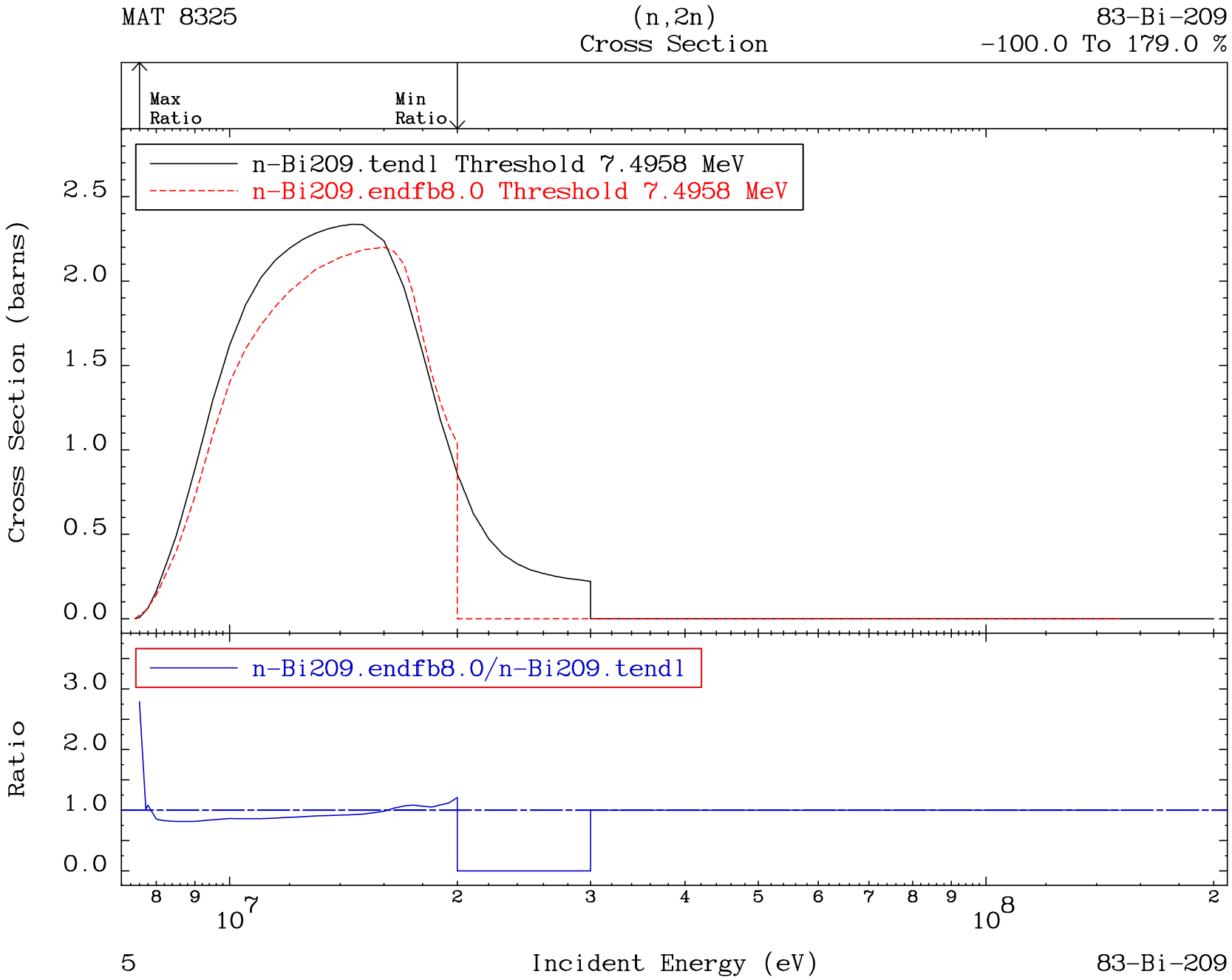
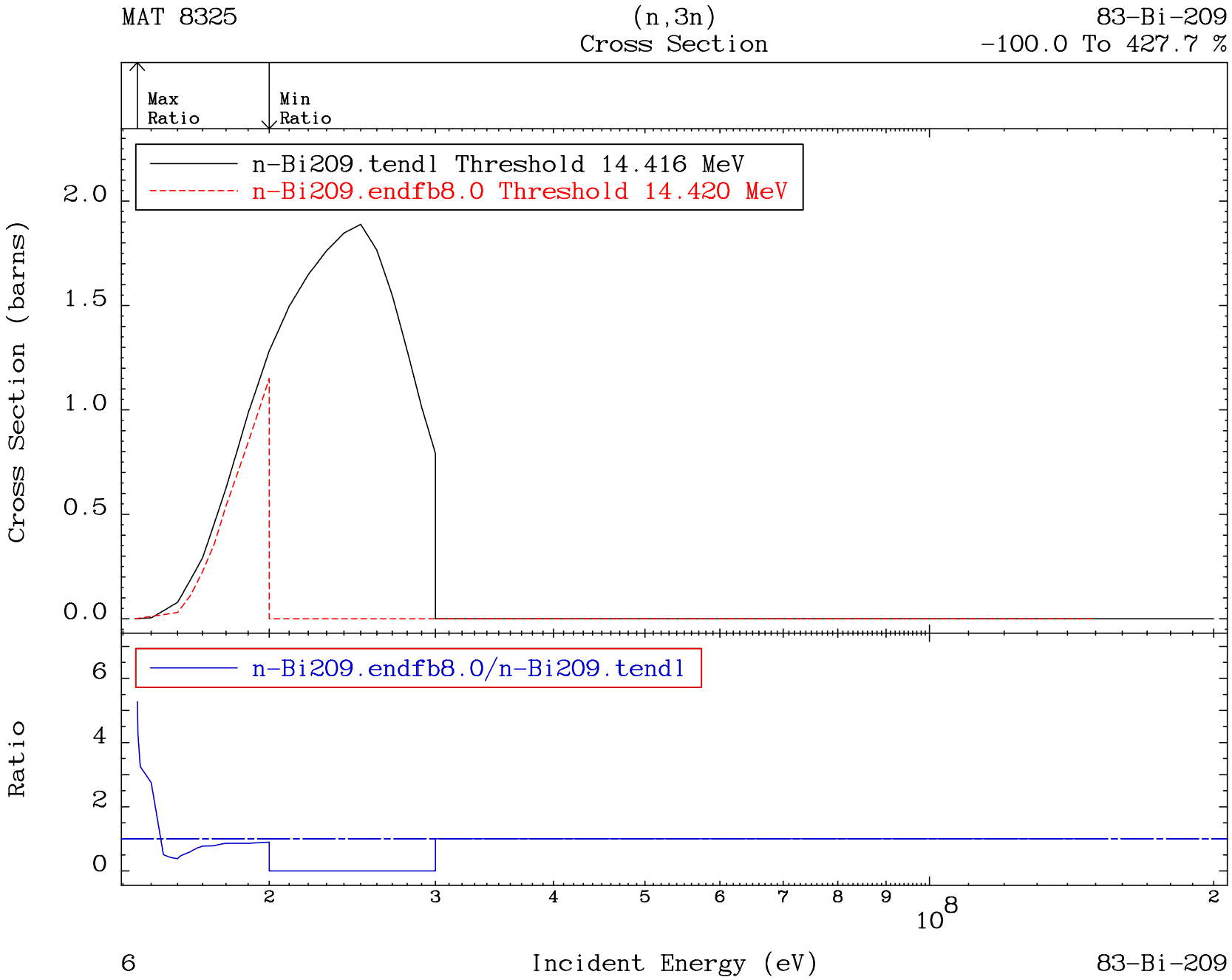

MAT 8325
Total
Cross Section
83-Bi-209
-90.35 To 99.16 %
Max
Ratio
Min
Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
1
83-Bi-209

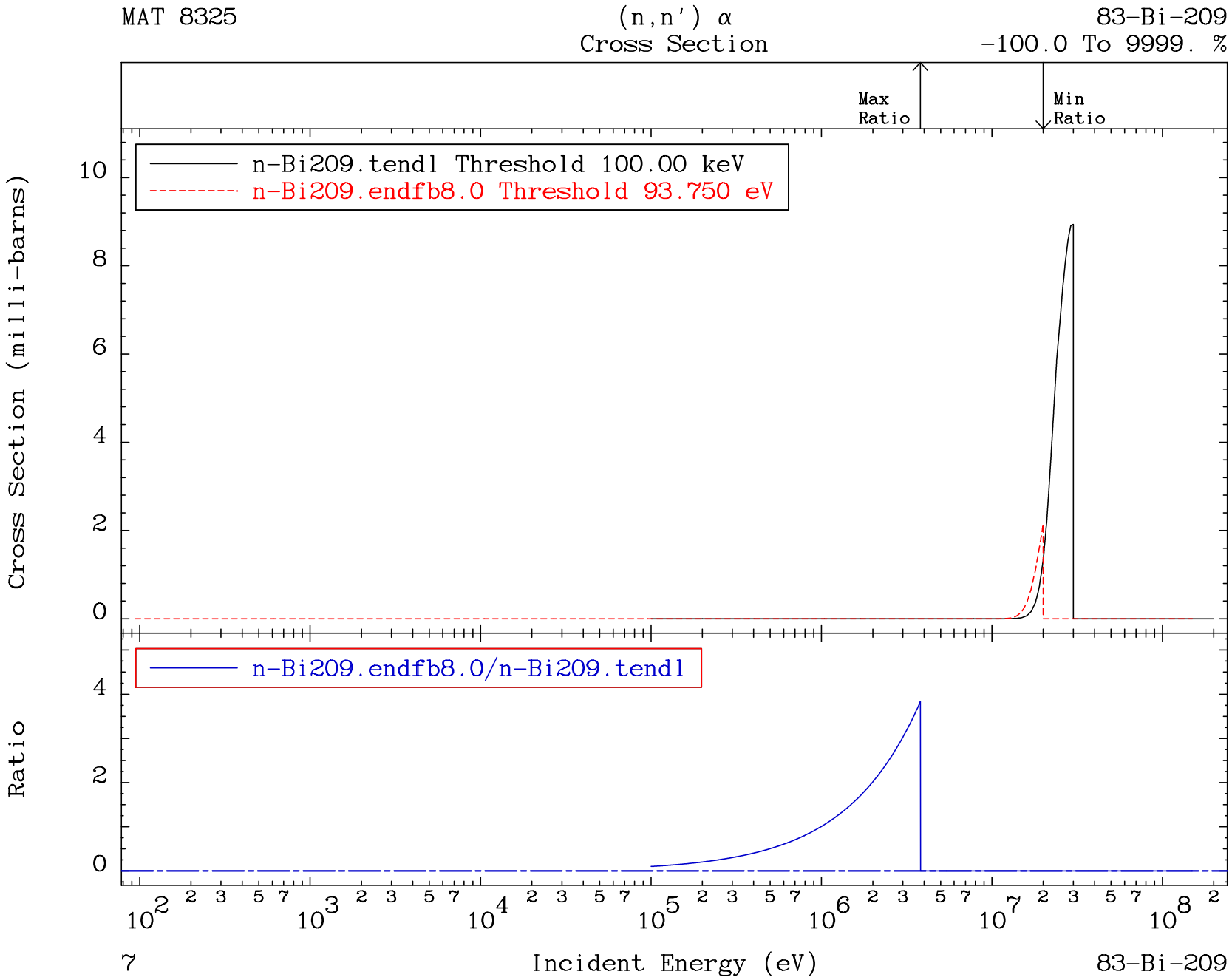

MAT 8325
Elastic
Cross Section
83-Bi-209
-90.38 To 99.16 %
Max
Ratio
Min
Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
2
83-Bi-209

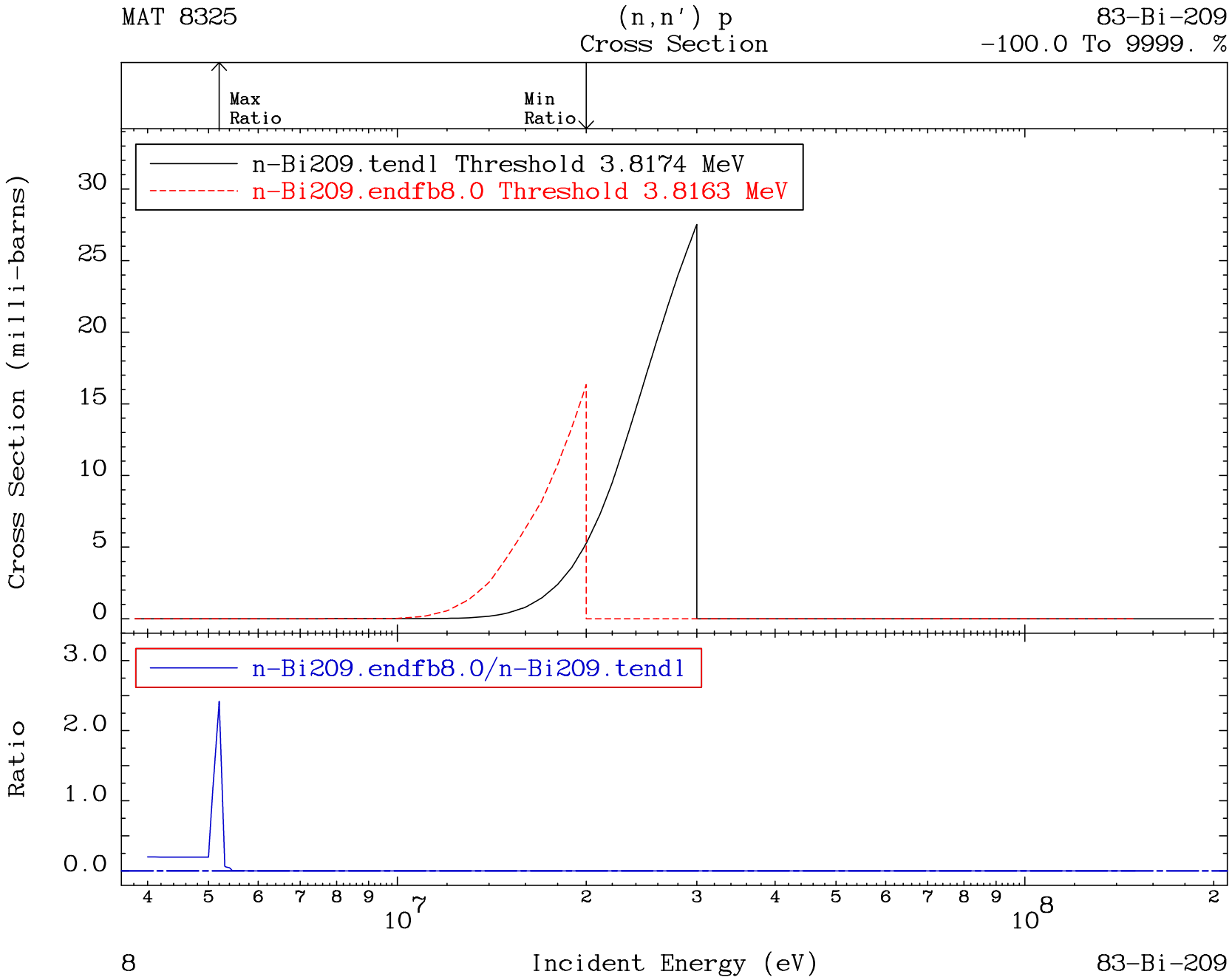

MAT 8325
Inelastic
Cross Section
83-Bi-209
-100.0 To 157.8 %
Max
Ratio
Min
Ratio
n-Bi209.tendl Threshold 900.62 keV
n-Bi209.endfb8.0 Threshold 900.33 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
83-Bi-209

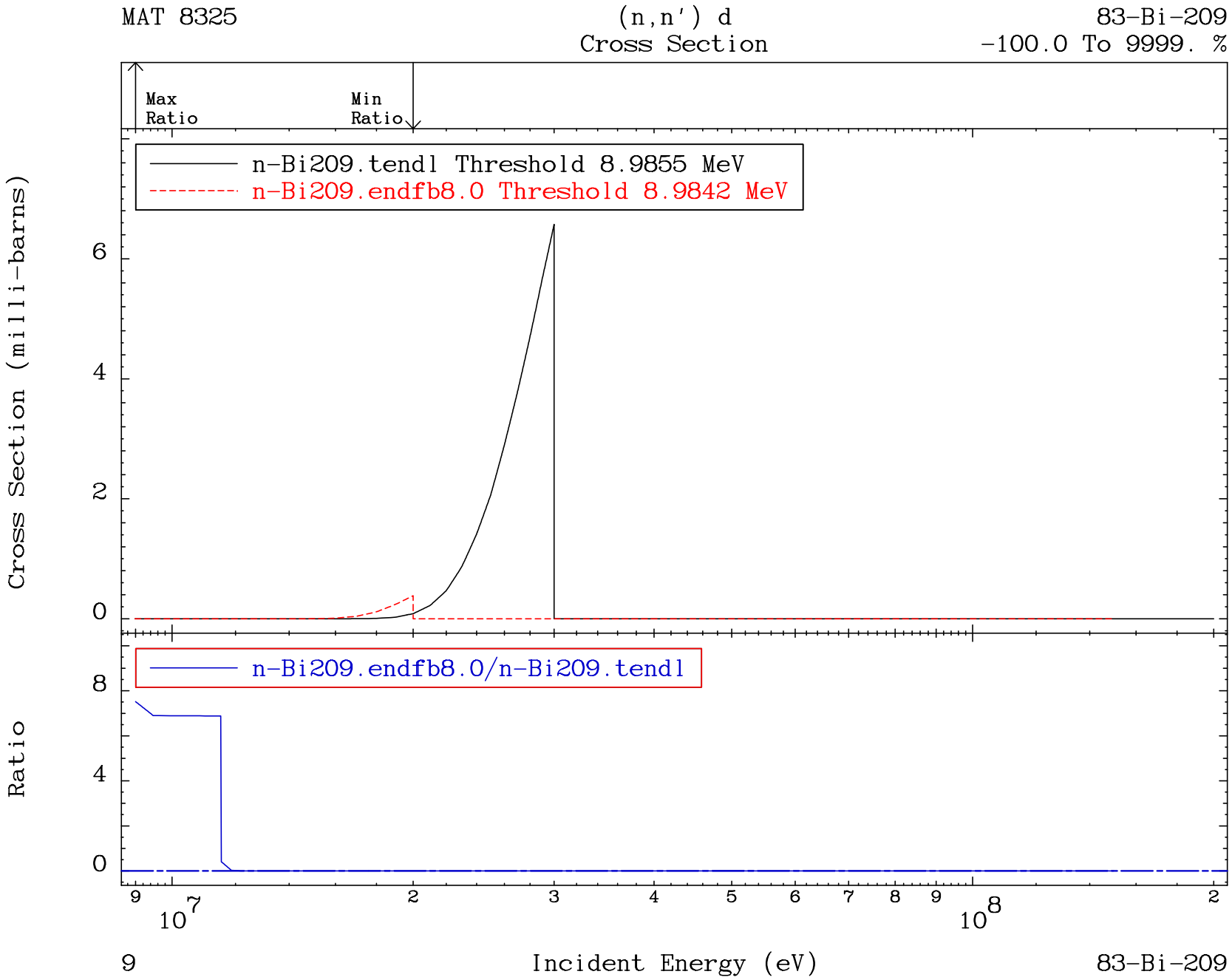

MAT 8325
(n,remainder)
Cross Section
83-Bi-209
-0.110 To 12.21 %
Min
Ratio
Max
Ratio
n-Bi209.tendl Threshold 30.000 MeV
n-Bi209.endfb8.0 Threshold 20.000 MeV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
1.15
1.10
1.05
1.00
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
83-Bi-209

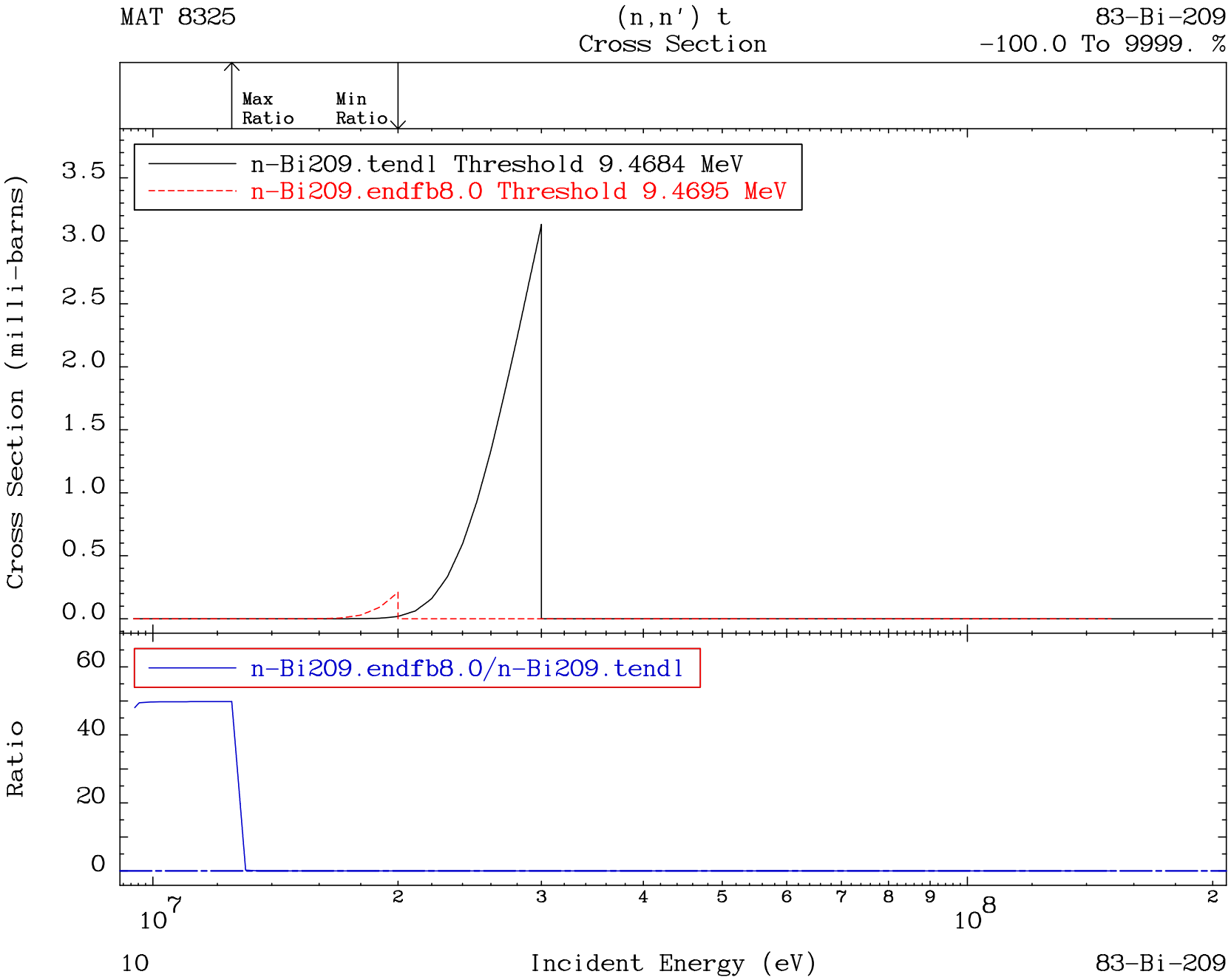

MAT 8325
(n,2n)
Cross Section
83-Bi-209
-100.0 To 179.0 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 7.4958 MeV
n-Bi209.endfb8.0 Threshold 7.4958 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
83-Bi-209

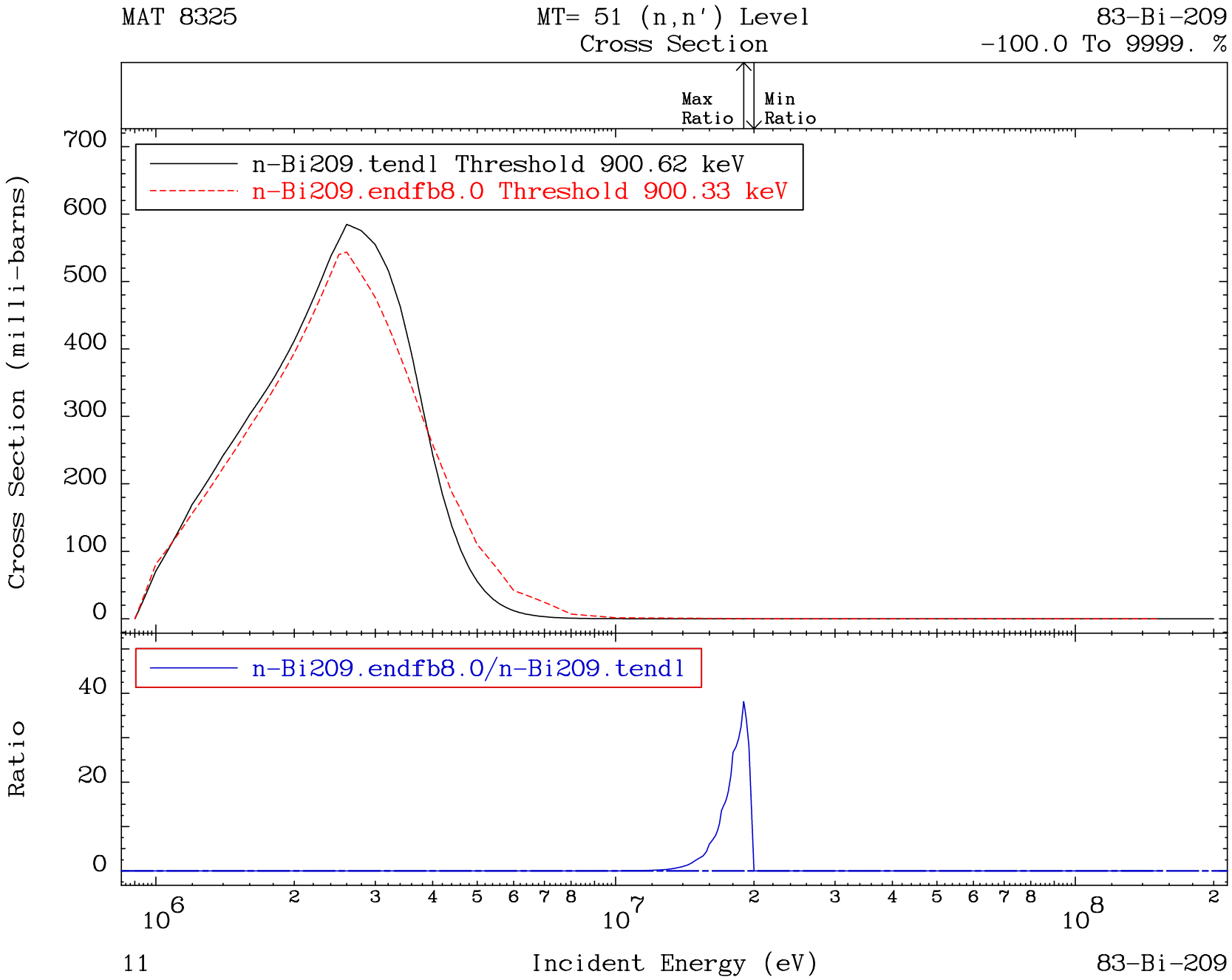

MAT 8325
(n,3n)
Cross Section
83-Bi-209
-100.0 To 427.7 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 14.416 MeV
n-Bi209.endfb8.0 Threshold 14.420 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
83-Bi-209

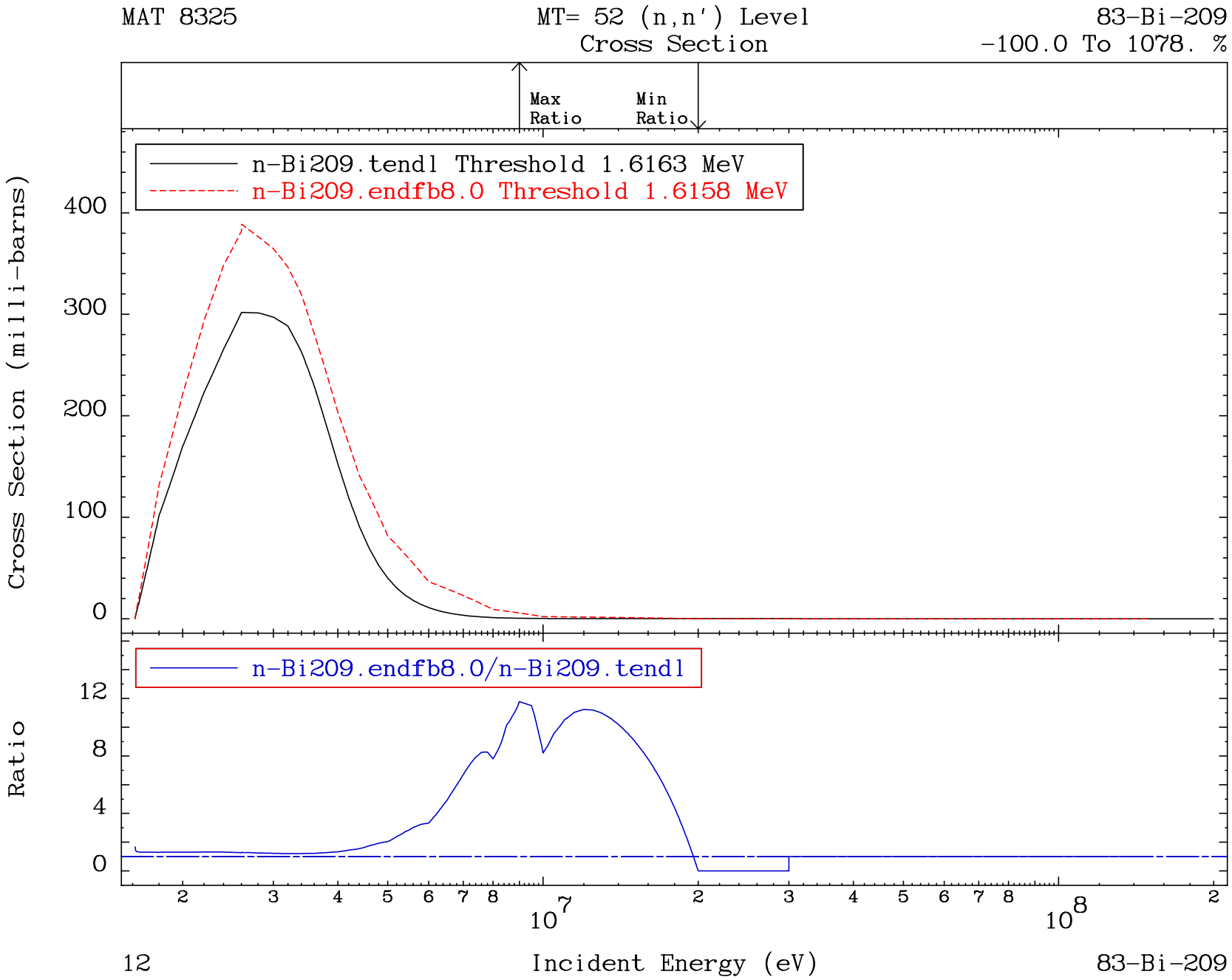

MAT 8325
(n,n') α
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 100.00 keV
n-Bi209.endfb8.0 Threshold 93.750 eV
Cross Section (milli-barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
83-Bi-209

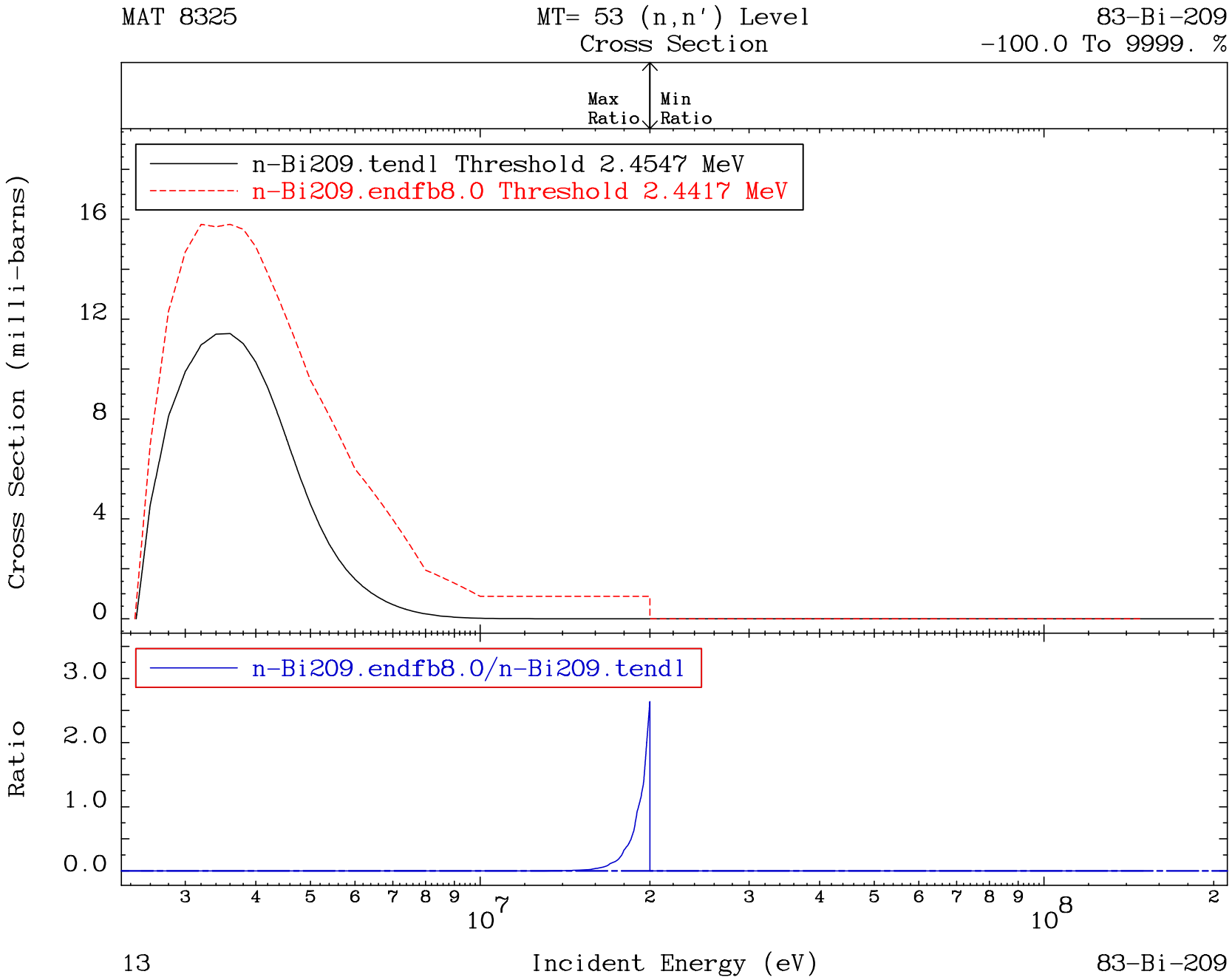

MAT 8325
(n,n') p
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 3.8174 MeV
n-Bi209.endfb8.0 Threshold 3.8163 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
8
Incident Energy (eV)
83-Bi-209

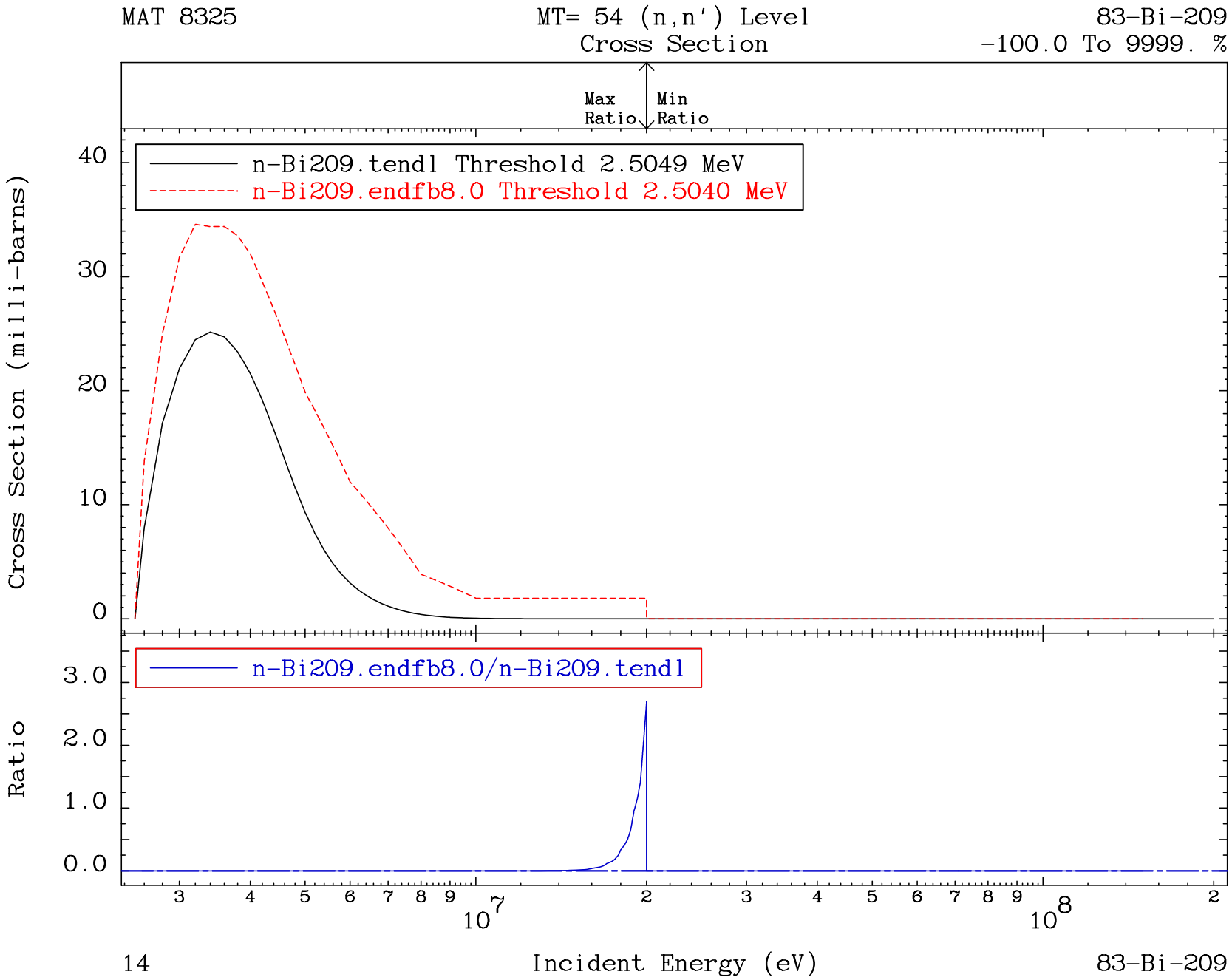

MAT 8325
(n,n') d
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 8.9855 MeV
n-Bi209.endfb8.0 Threshold 8.9842 MeV
Cross Section (milli-barns)
0
2
4
6
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
0
4
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
83-Bi-209

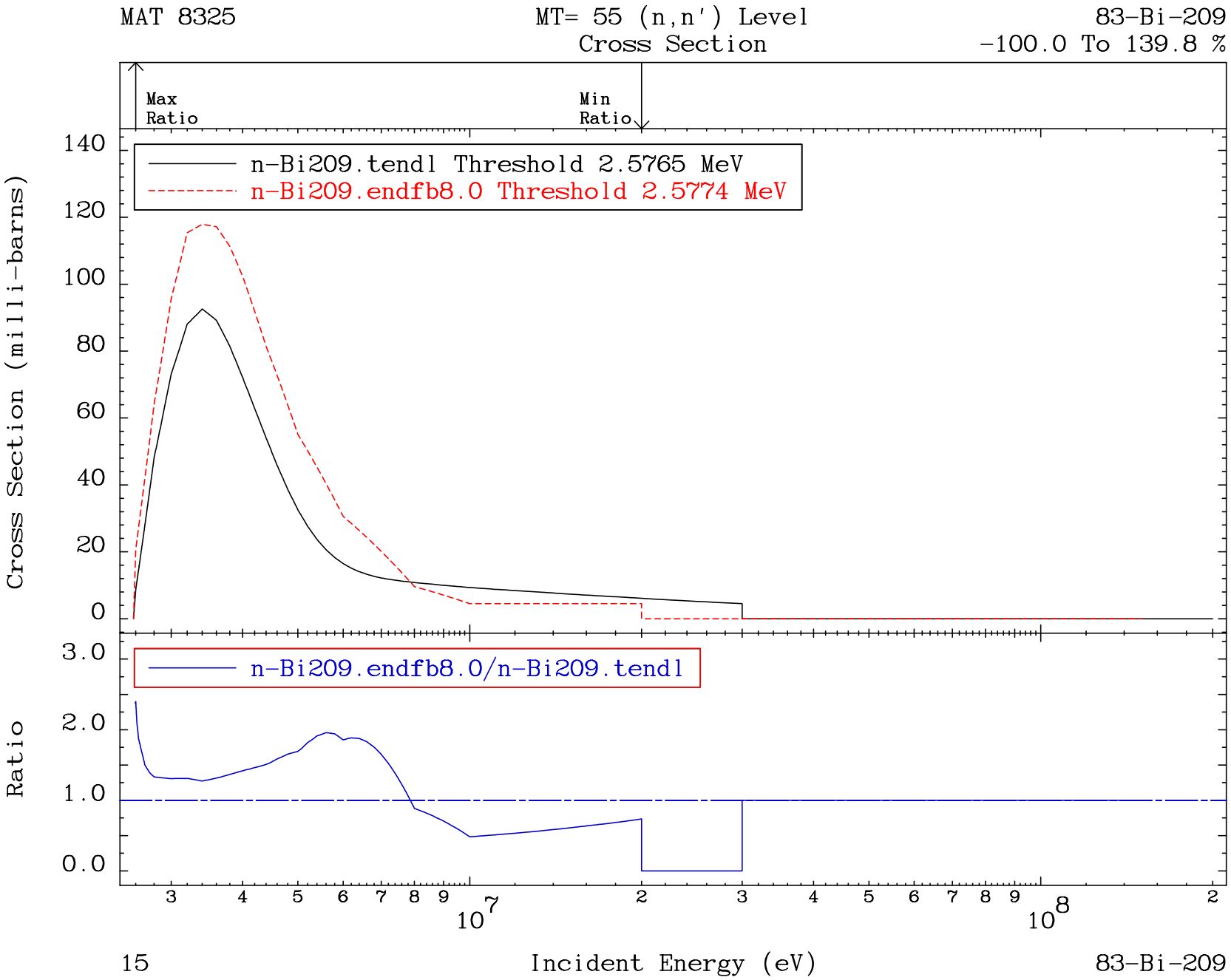

MAT 8325
(n,n') t
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 9.4684 MeV
n-Bi209.endfb8.0 Threshold 9.4695 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
60
40
20
0
10^7
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
83-Bi-209

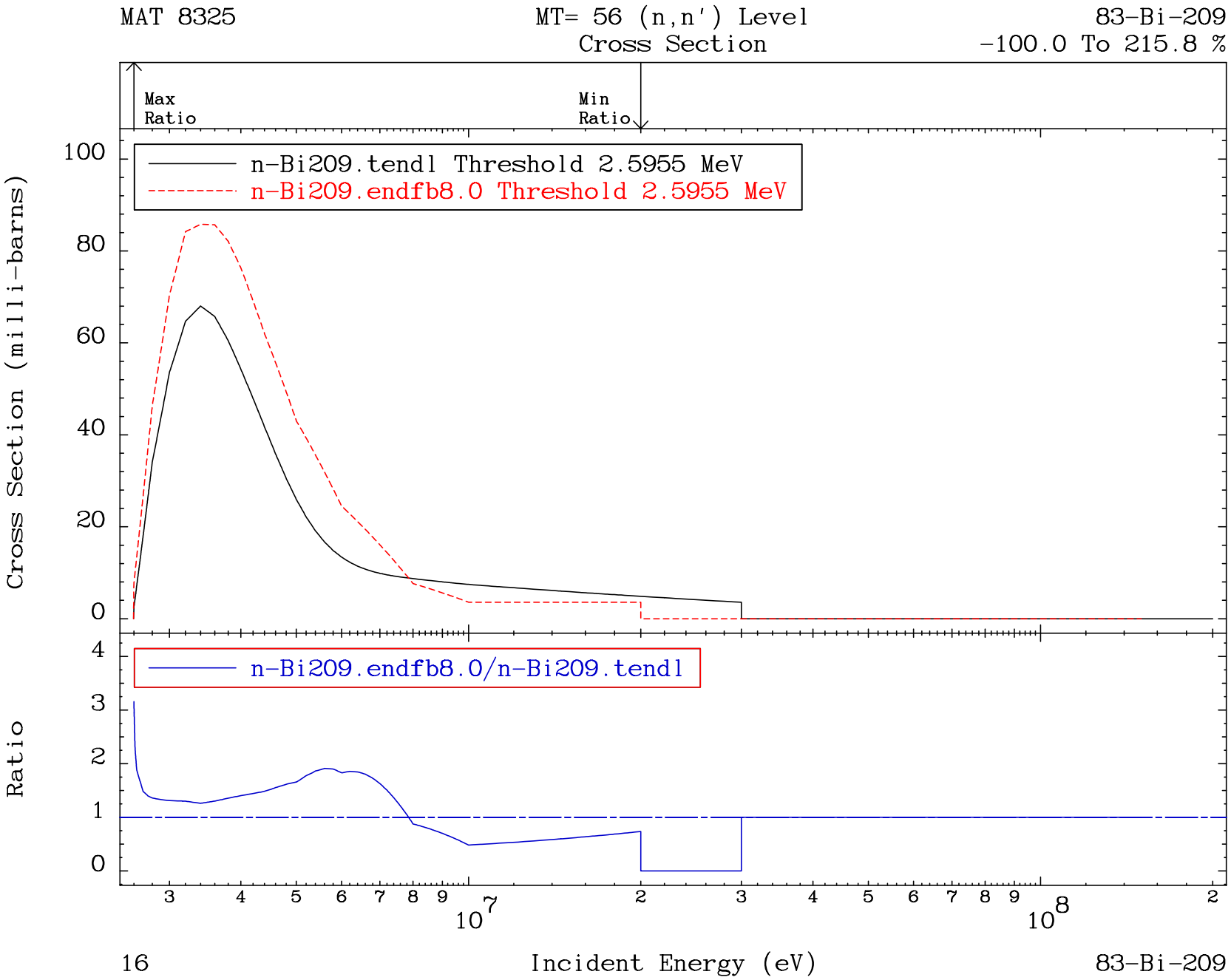

MAT 8325
MT= 51 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 900.62 keV
n-Bi209.endfb8.0 Threshold 900.33 keV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
40
20
0
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
11
Incident Energy (eV)
83-Bi-209

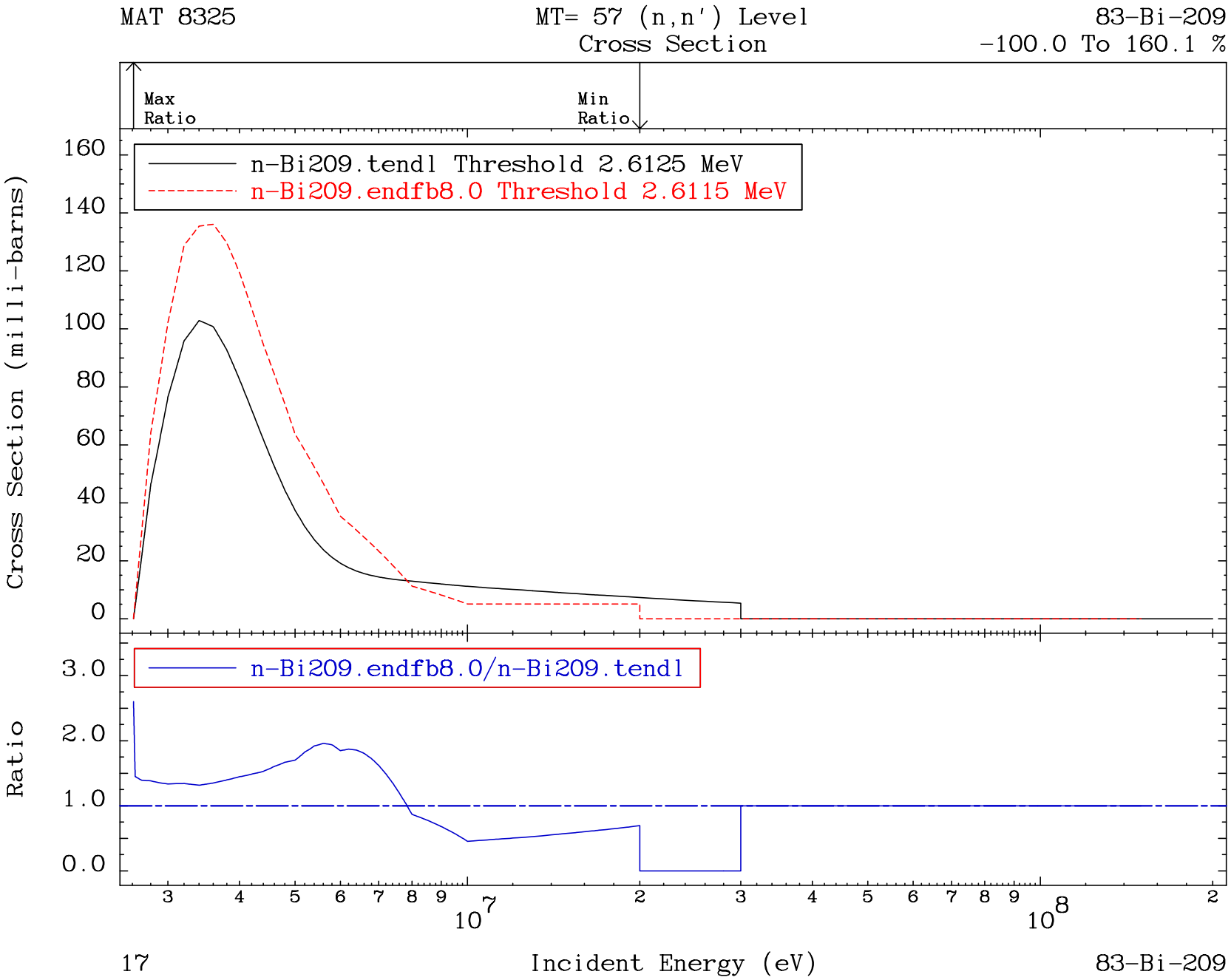

MAT 8325
MT= 52 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 1078. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 1.6163 MeV
n-Bi209.endfb8.0 Threshold 1.6158 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
12
8
4
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
83-Bi-209

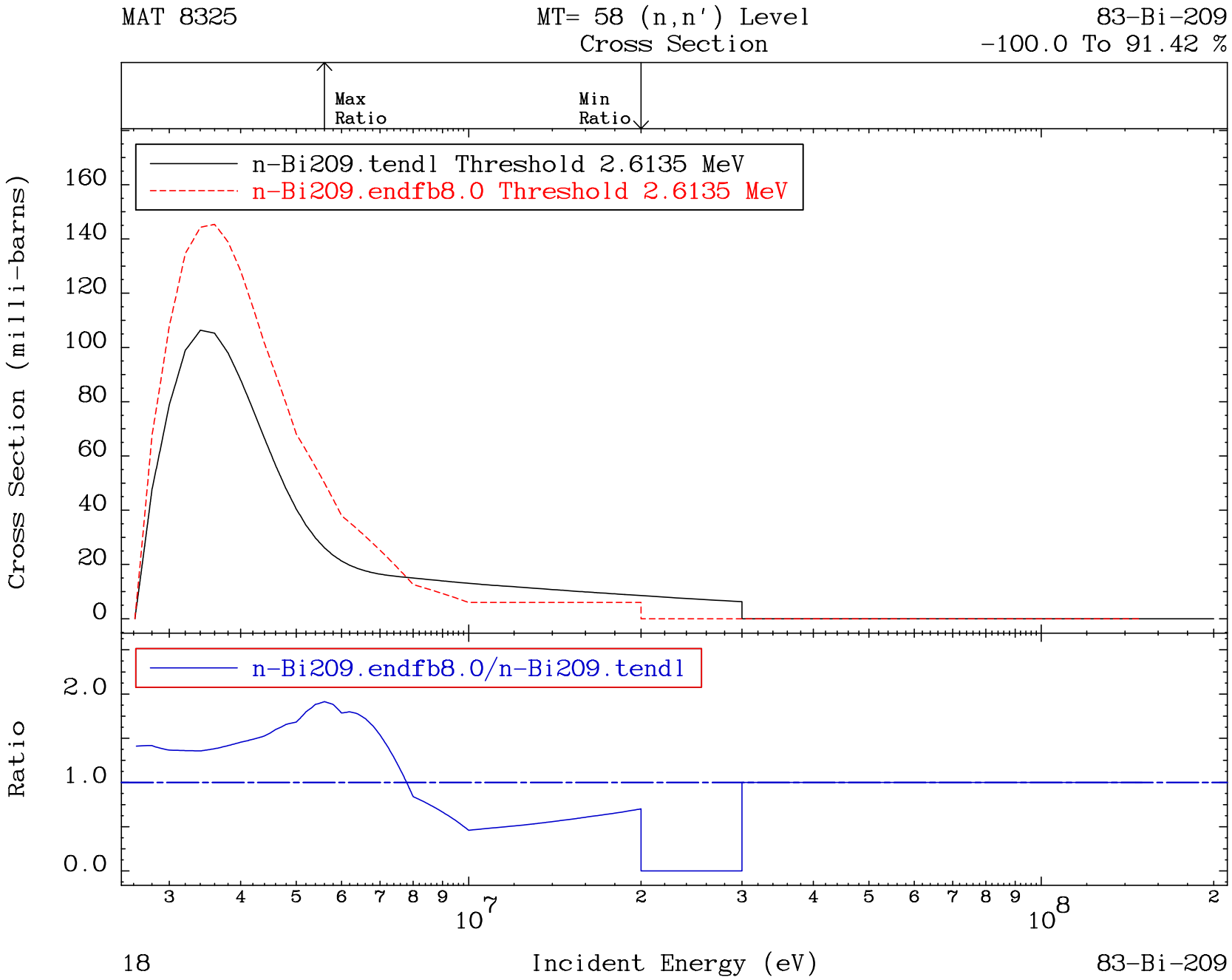

MAT 8325
MT= 53 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.4547 MeV
n-Bi209.endfb8.0 Threshold 2.4417 MeV
Cross Section (milli-barns)
16
12
8
4
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
13
Incident Energy (eV)
83-Bi-209

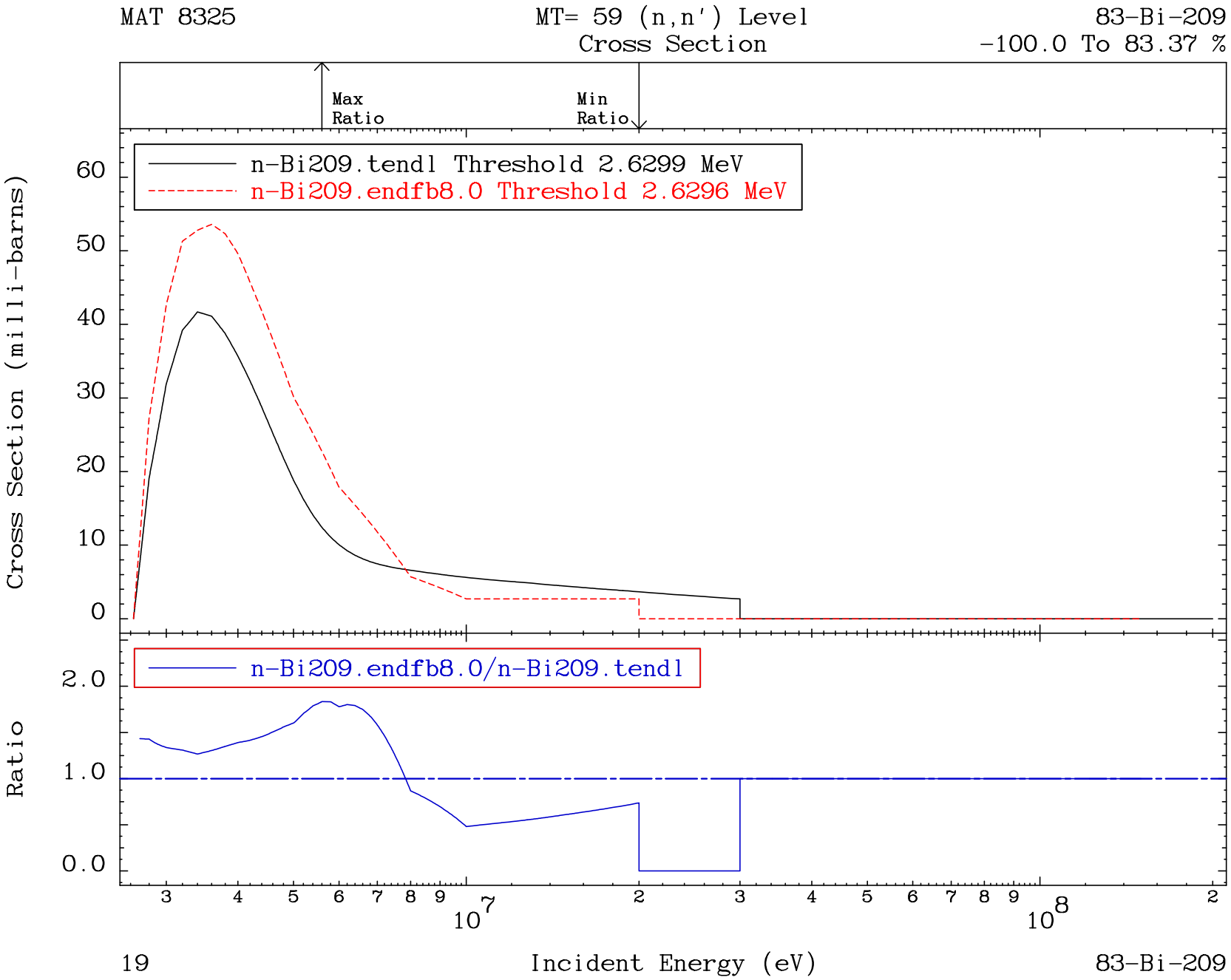

MAT 8325
MT= 54 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.5049 MeV
n-Bi209.endfb8.0 Threshold 2.5040 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
14
Incident Energy (eV)
83-Bi-209

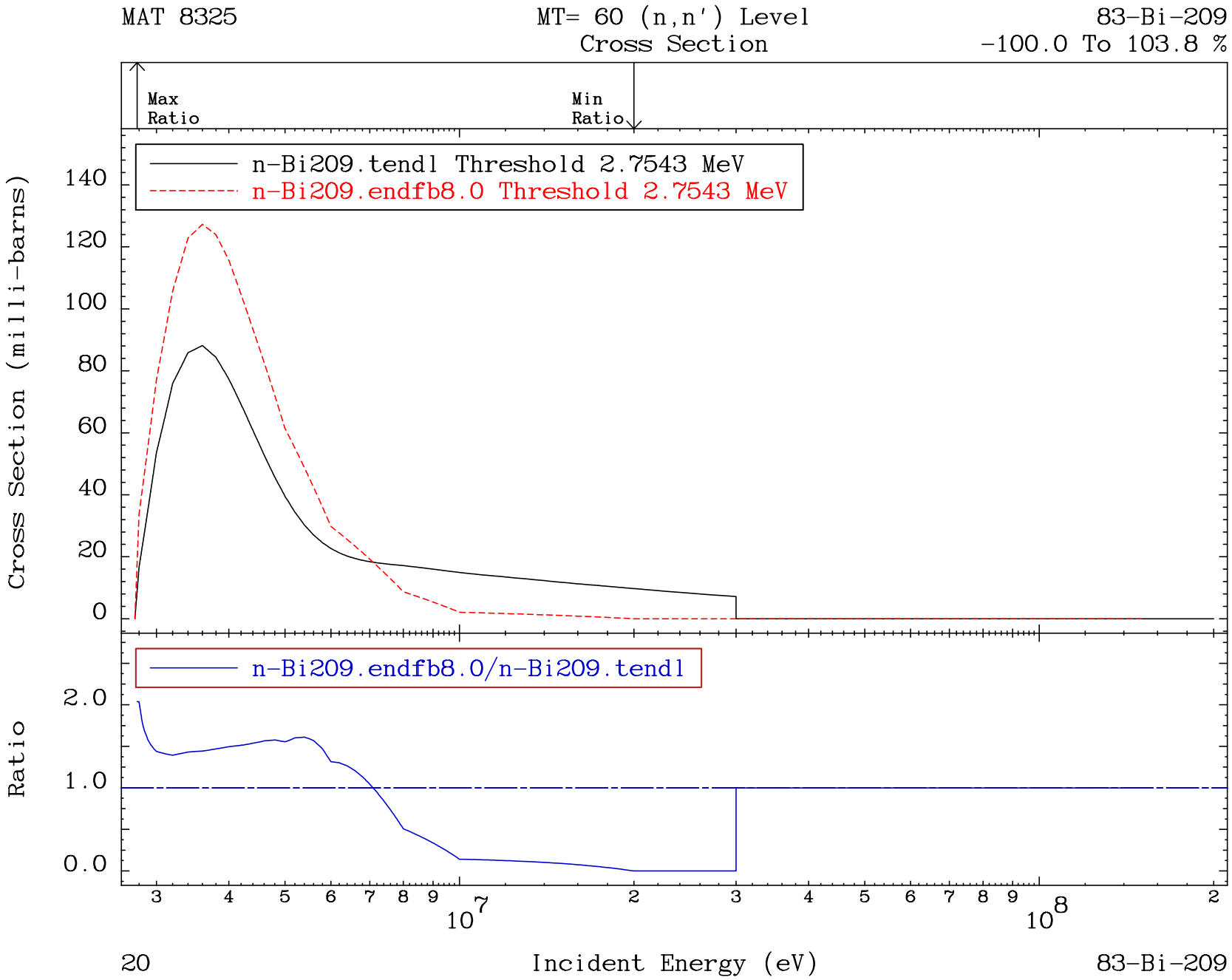

MAT 8325
MT= 55 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 139.8 %
Max
Ratio
Min
Ratio
n-Bi209.tendl Threshold 2.5765 MeV
n-Bi209.endfb8.0 Threshold 2.5774 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
15
Incident Energy (eV)
83-Bi-209

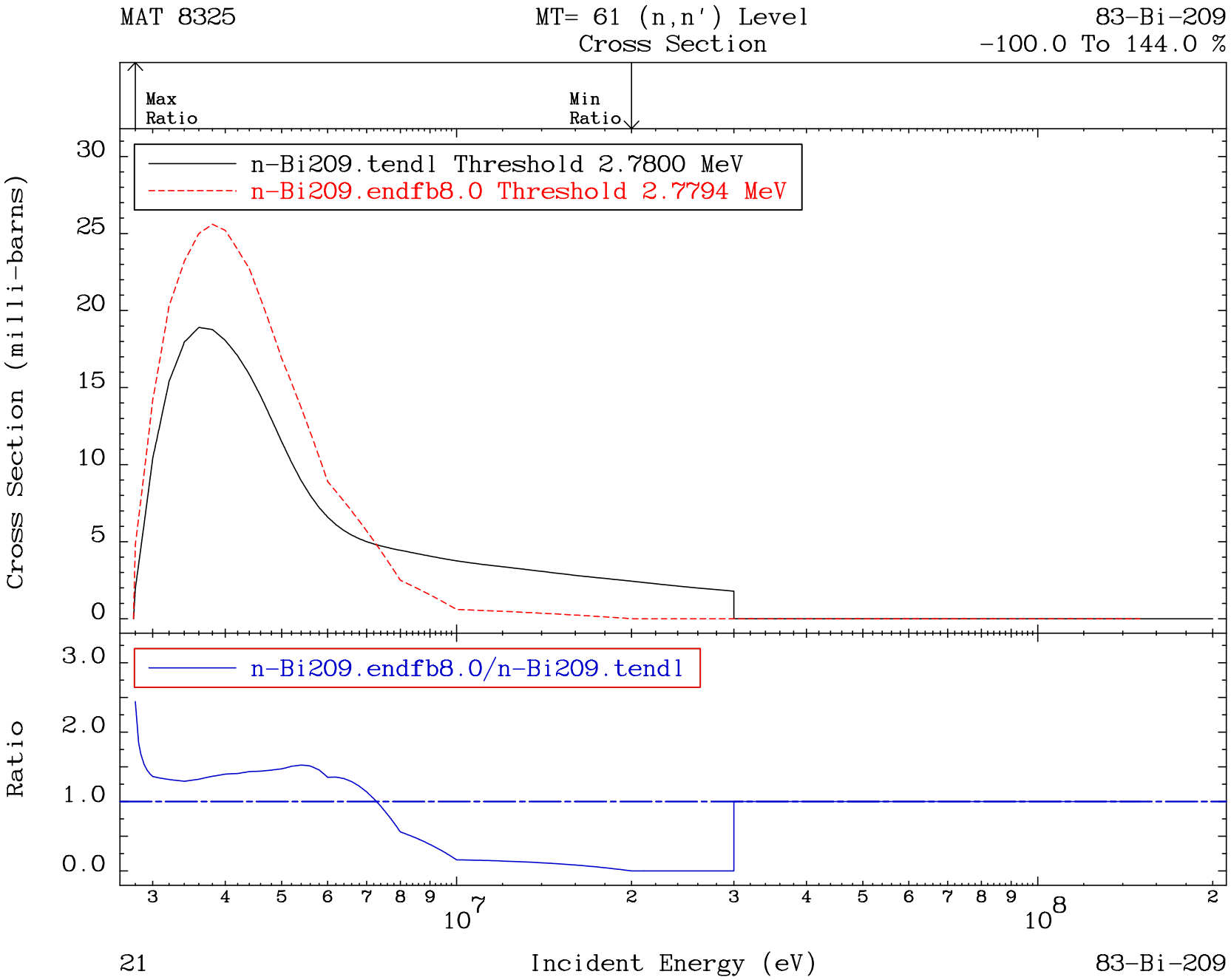

MAT 8325
MT= 56 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 215.8 %
Max
Ratio
Min
Ratio
n-Bi209.tendl Threshold 2.5955 MeV
n-Bi209.endfb8.0 Threshold 2.5955 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
4
3
2
1
0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
16
Incident Energy (eV)
83-Bi-209

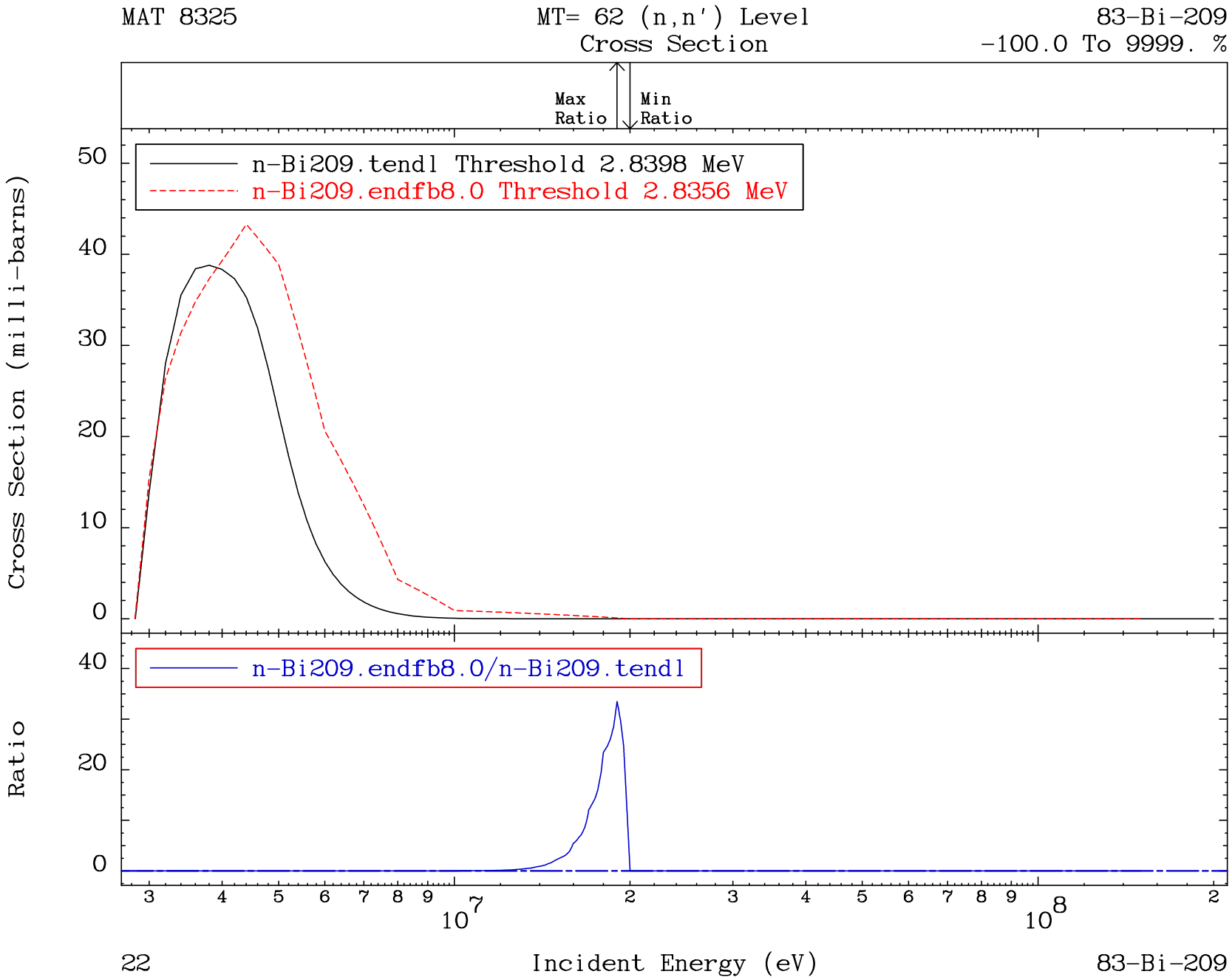

MAT 8325
MT= 57 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 160.1 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.6125 MeV
n-Bi209.endfb8.0 Threshold 2.6115 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
17
Incident Energy (eV)
83-Bi-209

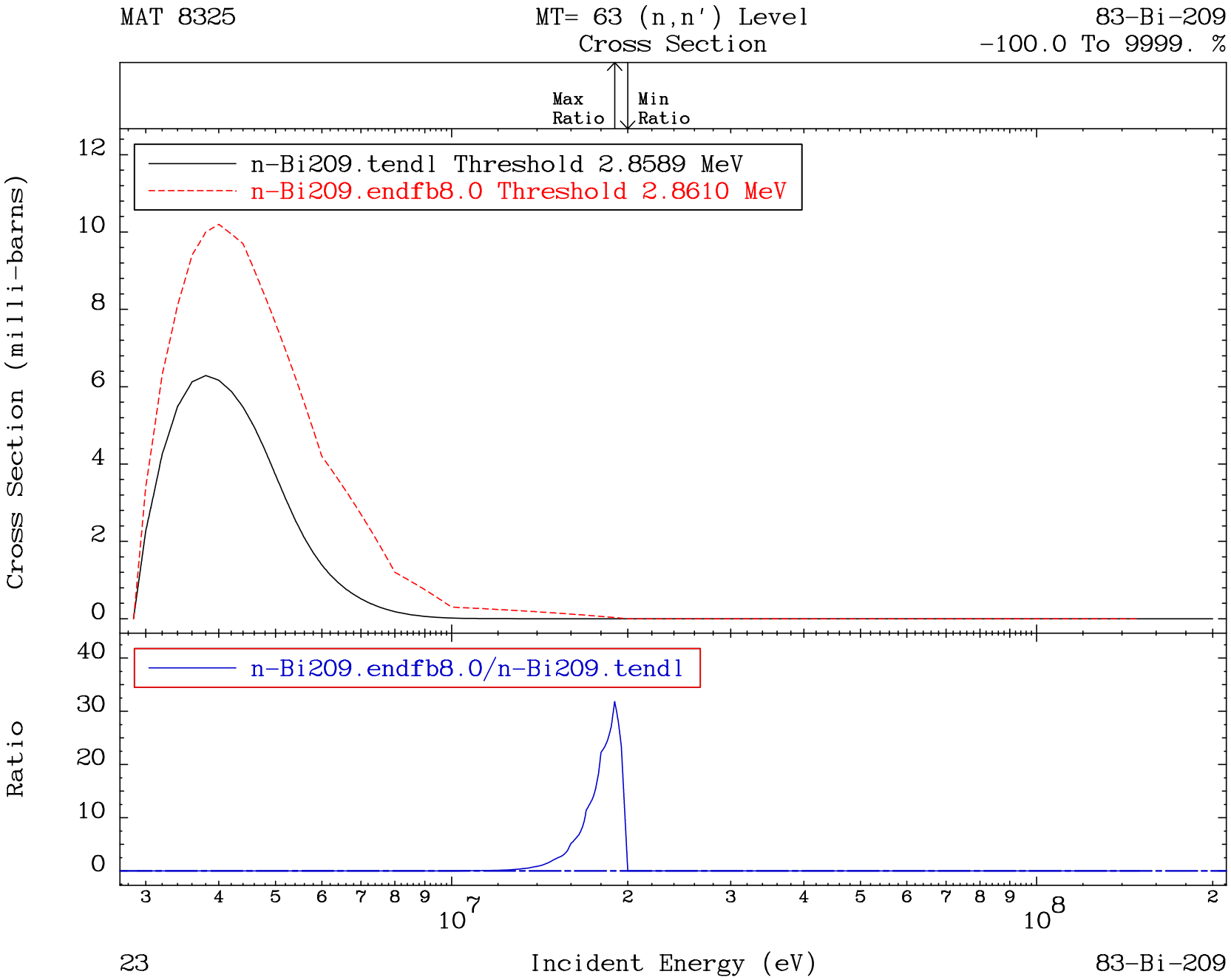

MAT 8325
MT= 58 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 91.42 %
Max
Ratio
Min
Ratio
n-Bi209.tendl Threshold 2.6135 MeV
n-Bi209.endfb8.0 Threshold 2.6135 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
2.0
1.0
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
18
Incident Energy (eV)
83-Bi-209

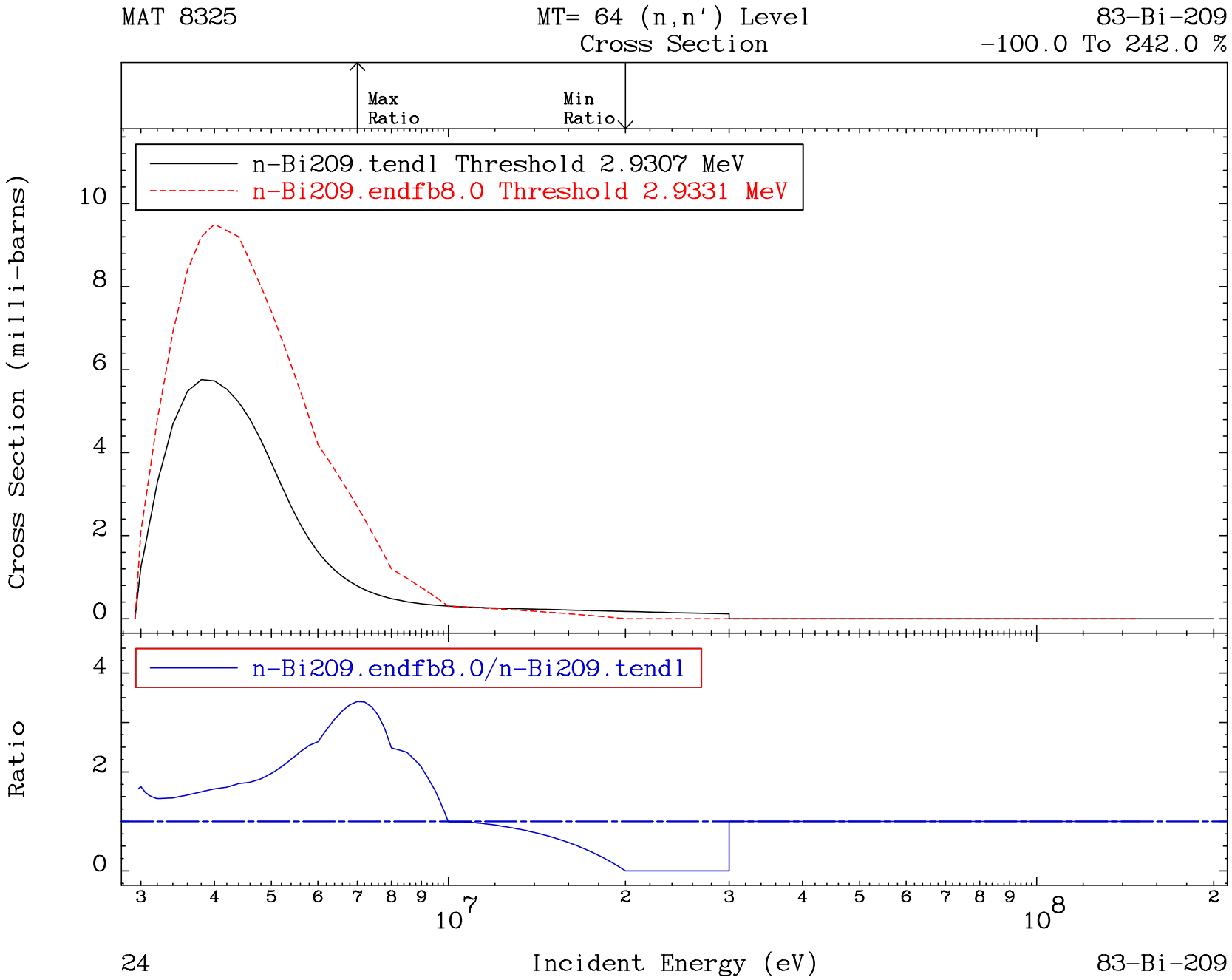

MAT 8325
MT= 59 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 83.37 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.6299 MeV
n-Bi209.endfb8.0 Threshold 2.6296 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
2.0
1.0
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
83-Bi-209

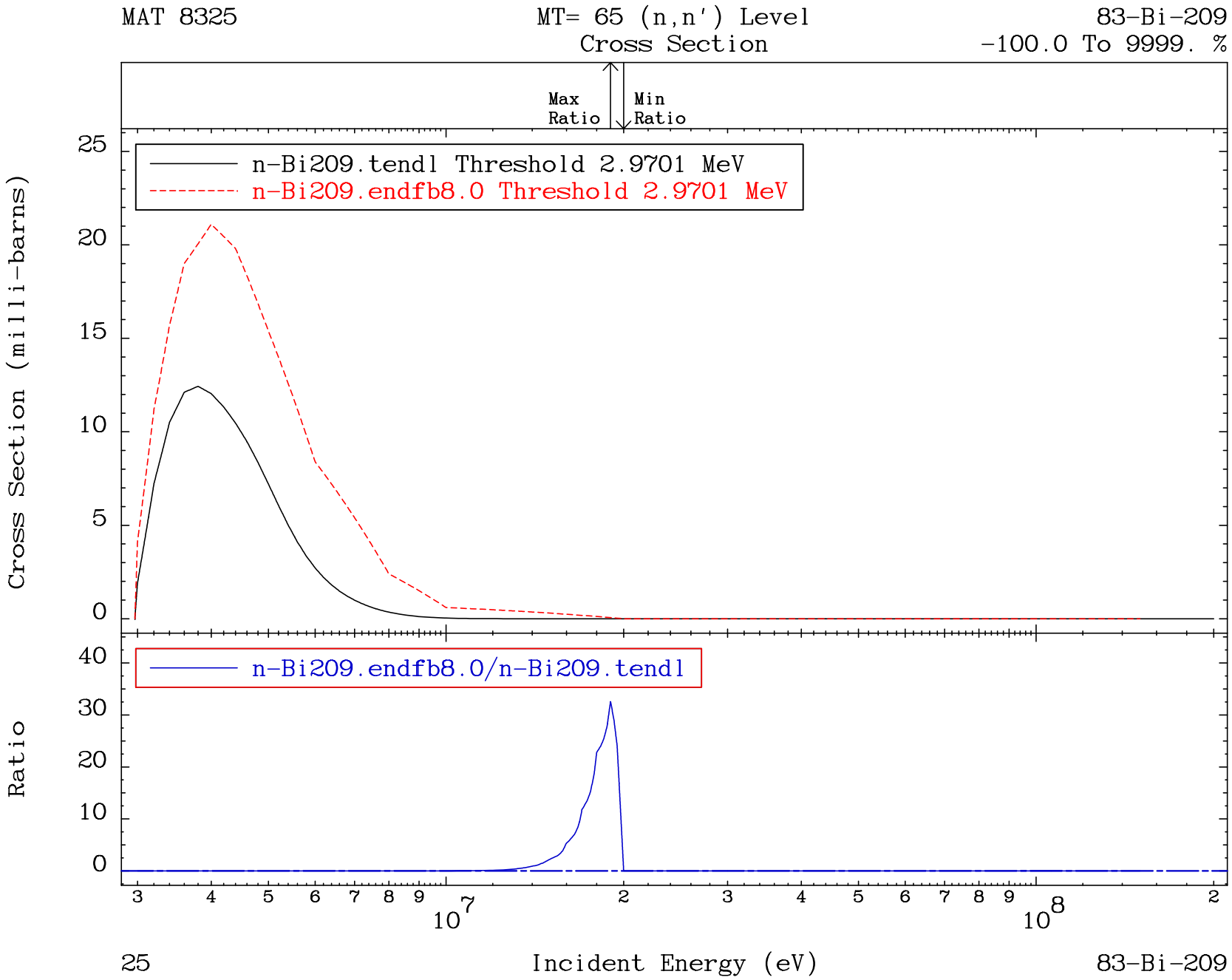

MAT 8325
MT= 60 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 103.8 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.7543 MeV
n-Bi209.endfb8.0 Threshold 2.7543 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
2.0
1.0
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
83-Bi-209

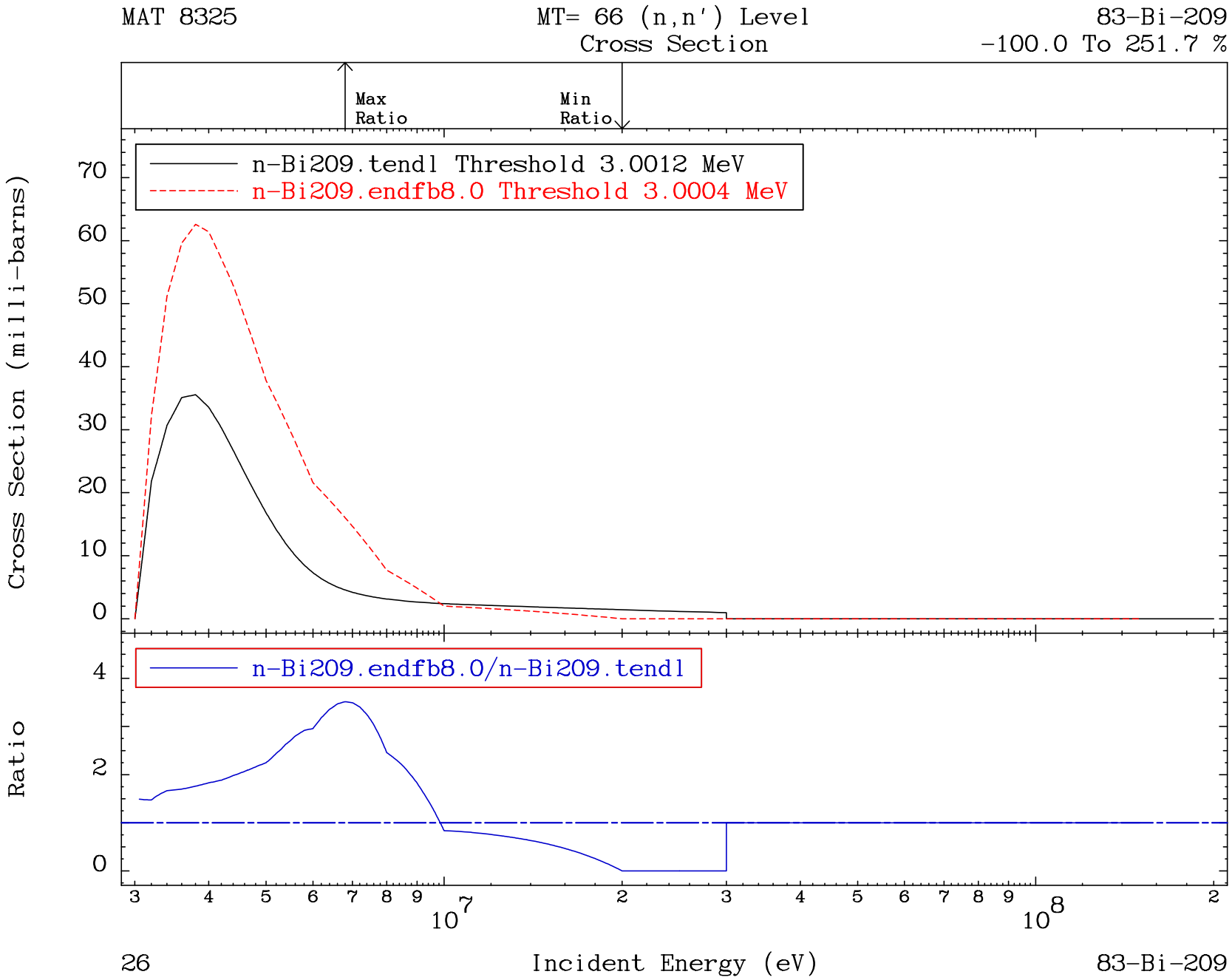

MAT 8325
MT= 61 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 144.0 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.7800 MeV
n-Bi209.endfb8.0 Threshold 2.7794 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
83-Bi-209

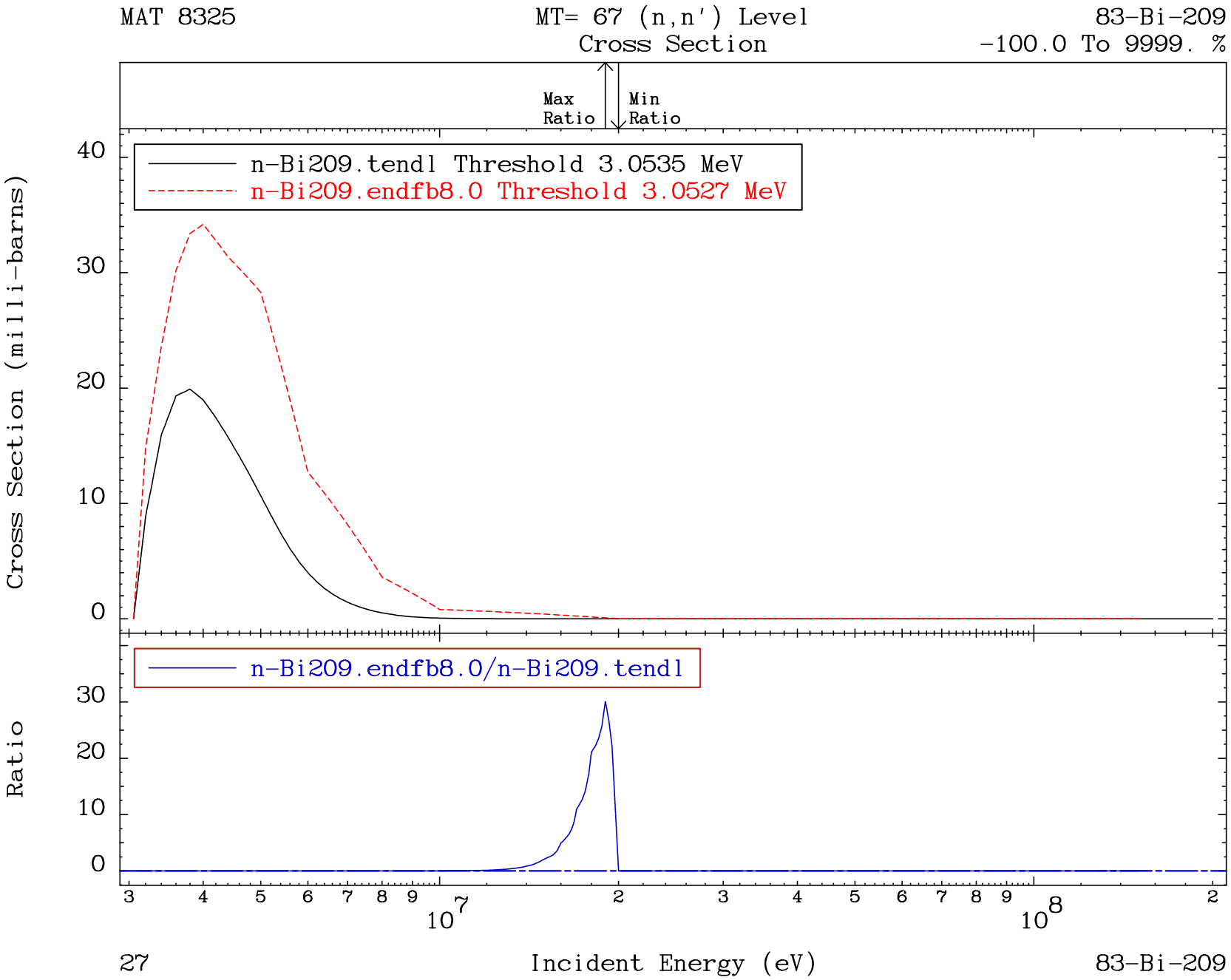

MAT 8325
MT= 62 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.8398 MeV
n-Bi209.endfb8.0 Threshold 2.8356 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
40
20
0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
83-Bi-209

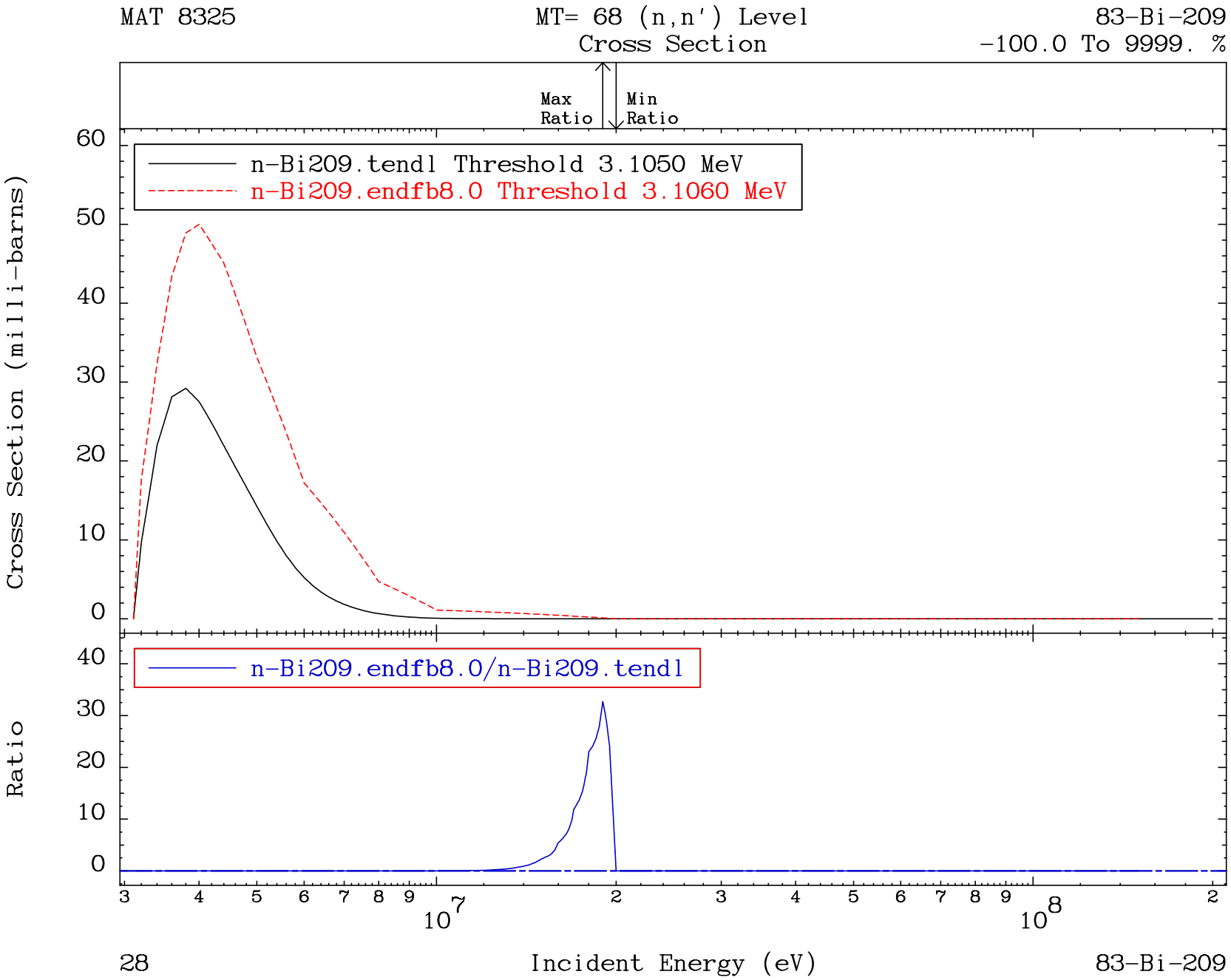

MAT 8325
MT= 63 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.8589 MeV
n-Bi209.endfb8.0 Threshold 2.8610 MeV
Cross Section (milli-barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
23
83-Bi-209

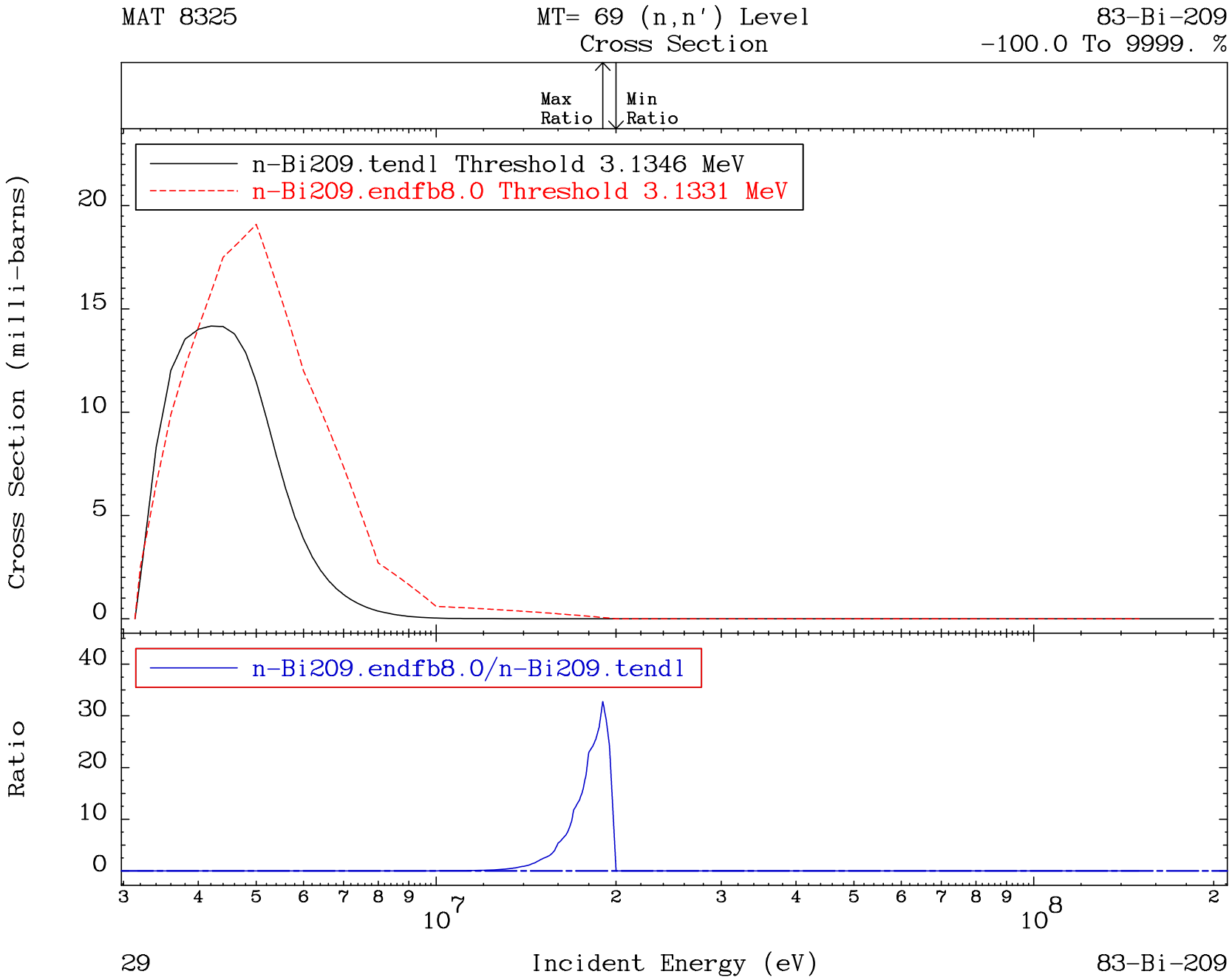

MAT 8325
MT= 64 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 242.0 %
Max
Ratio
Min
Ratio
n-Bi209.tendl Threshold 2.9307 MeV
n-Bi209.endfb8.0 Threshold 2.9331 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
4
2
0
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
24
Incident Energy (eV)
83-Bi-209

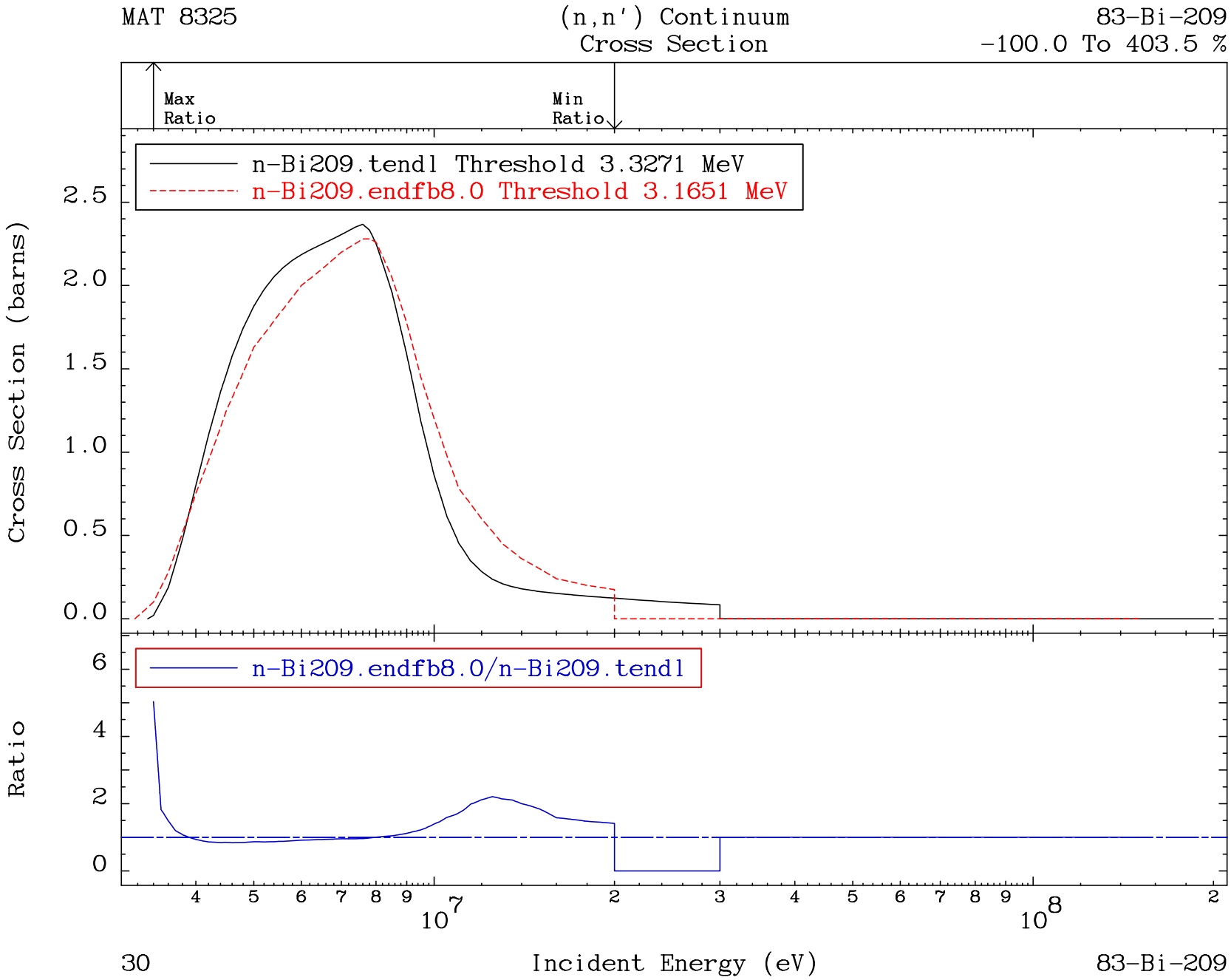

MAT 8325
MT= 65 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.9701 MeV
n-Bi209.endfb8.0 Threshold 2.9701 MeV
Cross Section (milli-barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
25
83-Bi-209

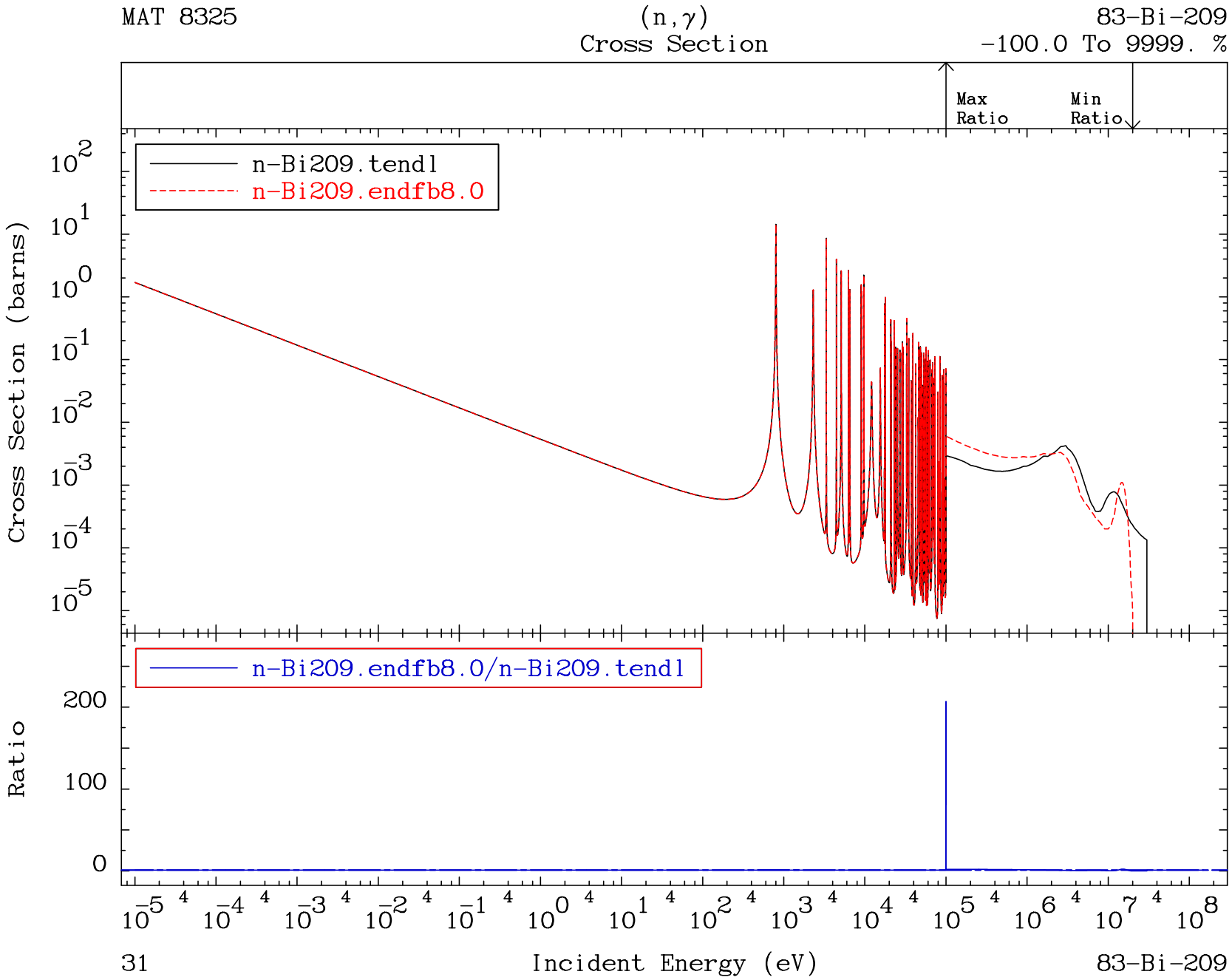

MAT 8325
MT= 66 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 251.7 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 3.0012 MeV
n-Bi209.endfb8.0 Threshold 3.0004 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
4
2
0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
83-Bi-209

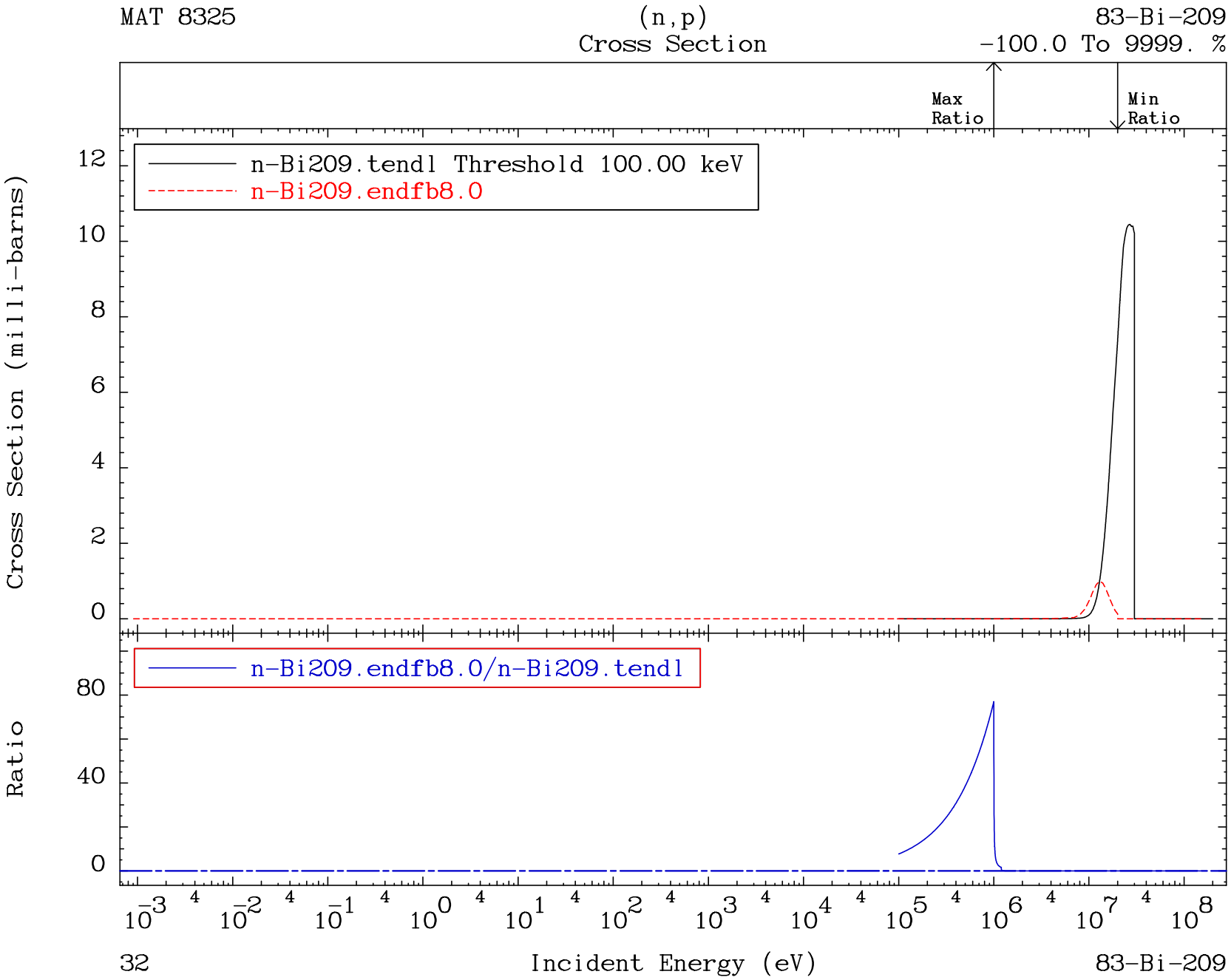

MAT 8325
MT= 67 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 3.0535 MeV
n-Bi209.endfb8.0 Threshold 3.0527 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
30
20
10
0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
83-Bi-209

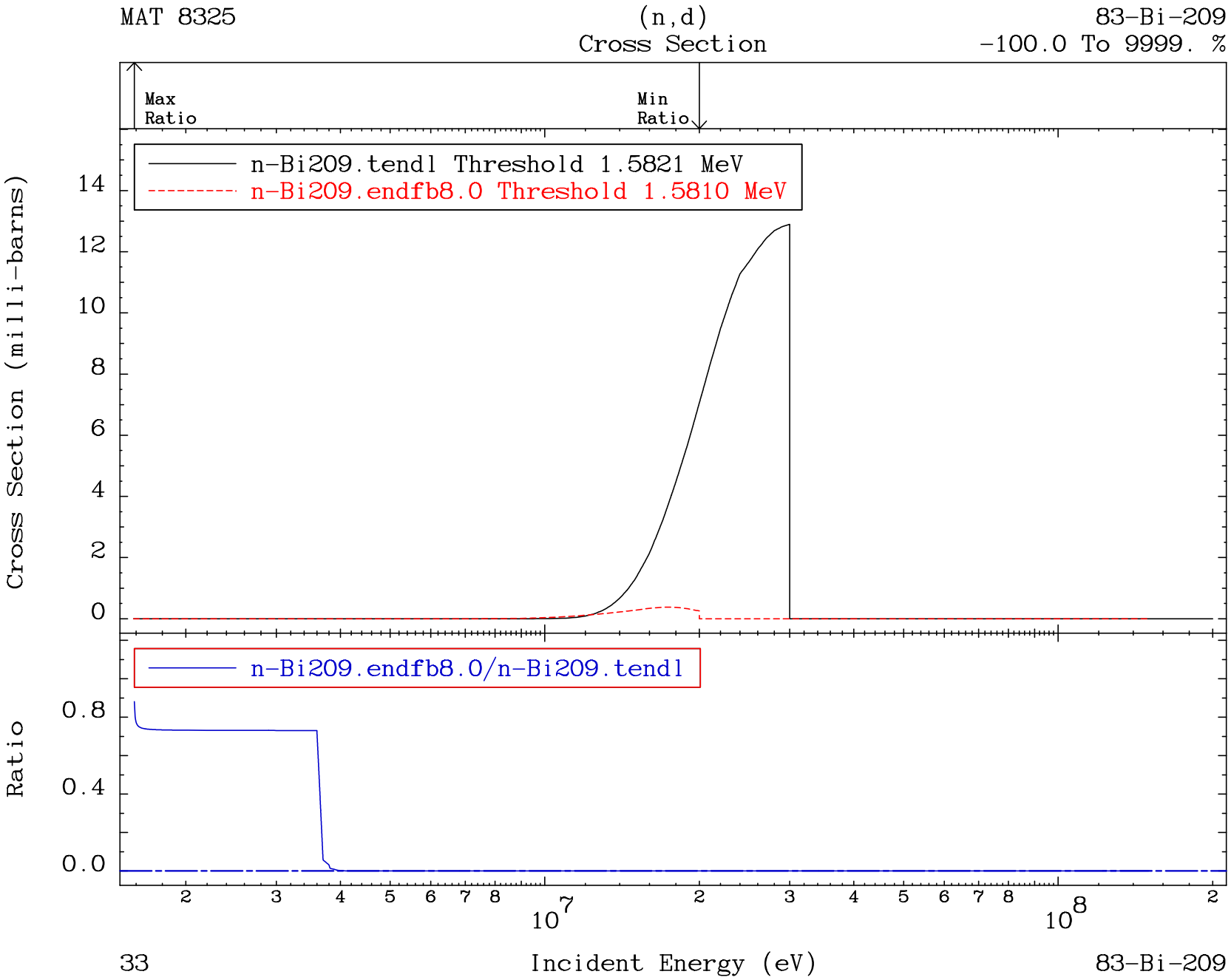

MAT 8325
MT= 68 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 3.1050 MeV
n-Bi209.endfb8.0 Threshold 3.1060 MeV
Cross Section (milli-barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
28
83-Bi-209

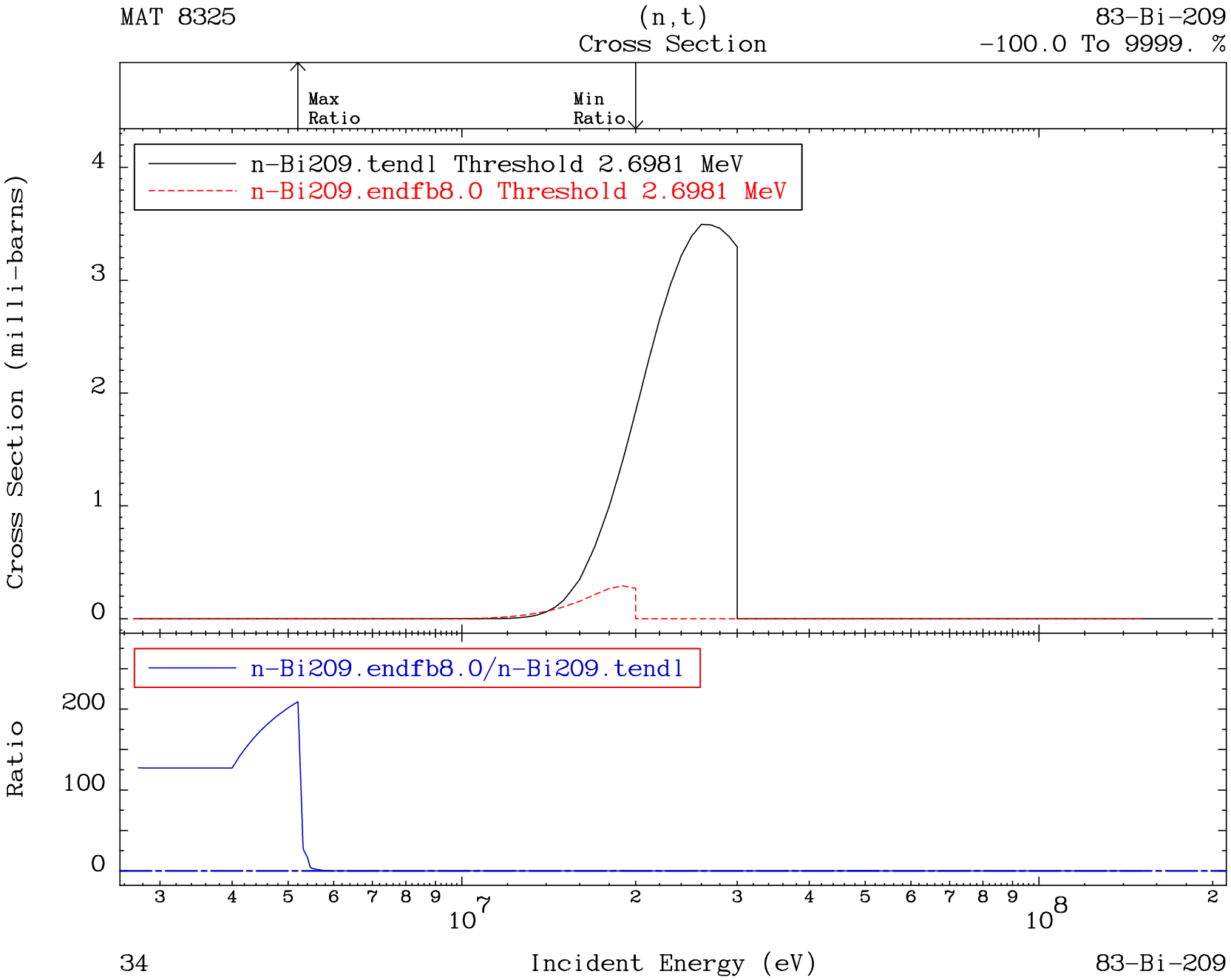

MAT 8325
MT= 69 (n,n') Level
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 3.1346 MeV
n-Bi209.endfb8.0 Threshold 3.1331 MeV
Cross Section (milli-barns)
0
5
10
15
20
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
0
10
20
30
40
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
83-Bi-209

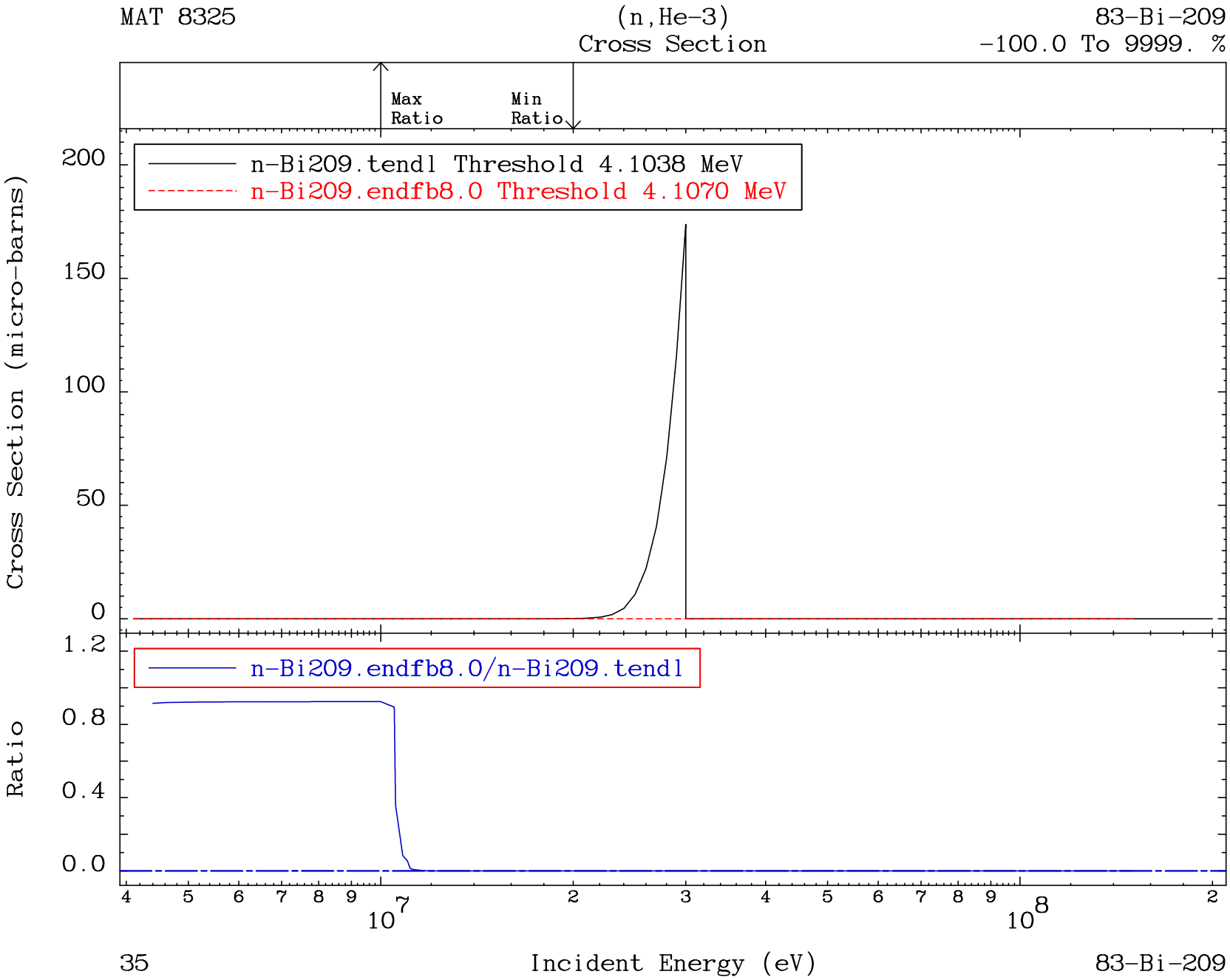

MAT 8325
(n,n') Continuum
Cross Section
83-Bi-209
-100.0 To 403.5 %
Max
Ratio
Min
Ratio
n-Bi209.tendl Threshold 3.3271 MeV
n-Bi209.endfb8.0 Threshold 3.1651 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
6
4
2
0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
83-Bi-209

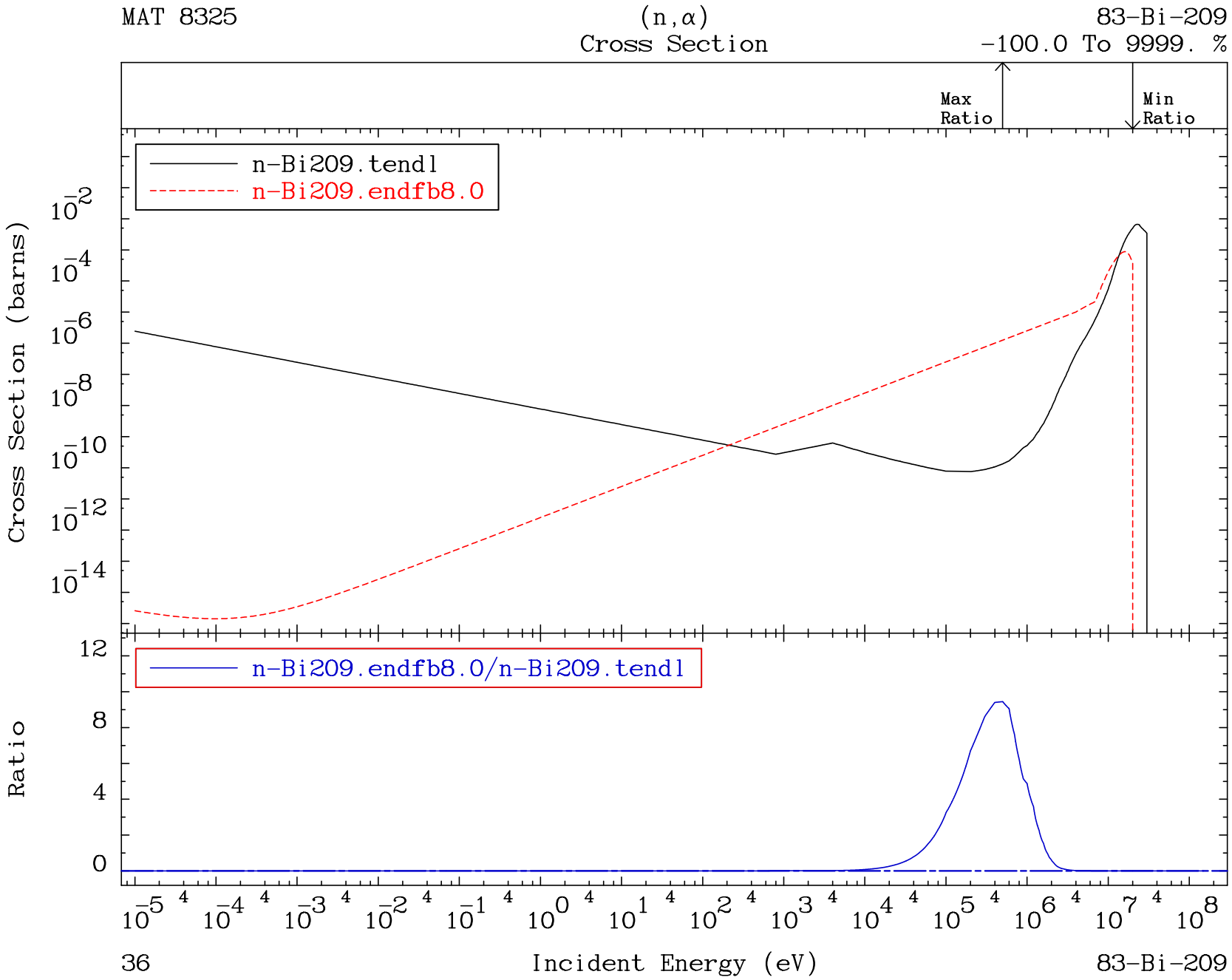

MAT 8325
(n,γ)
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
31
83-Bi-209

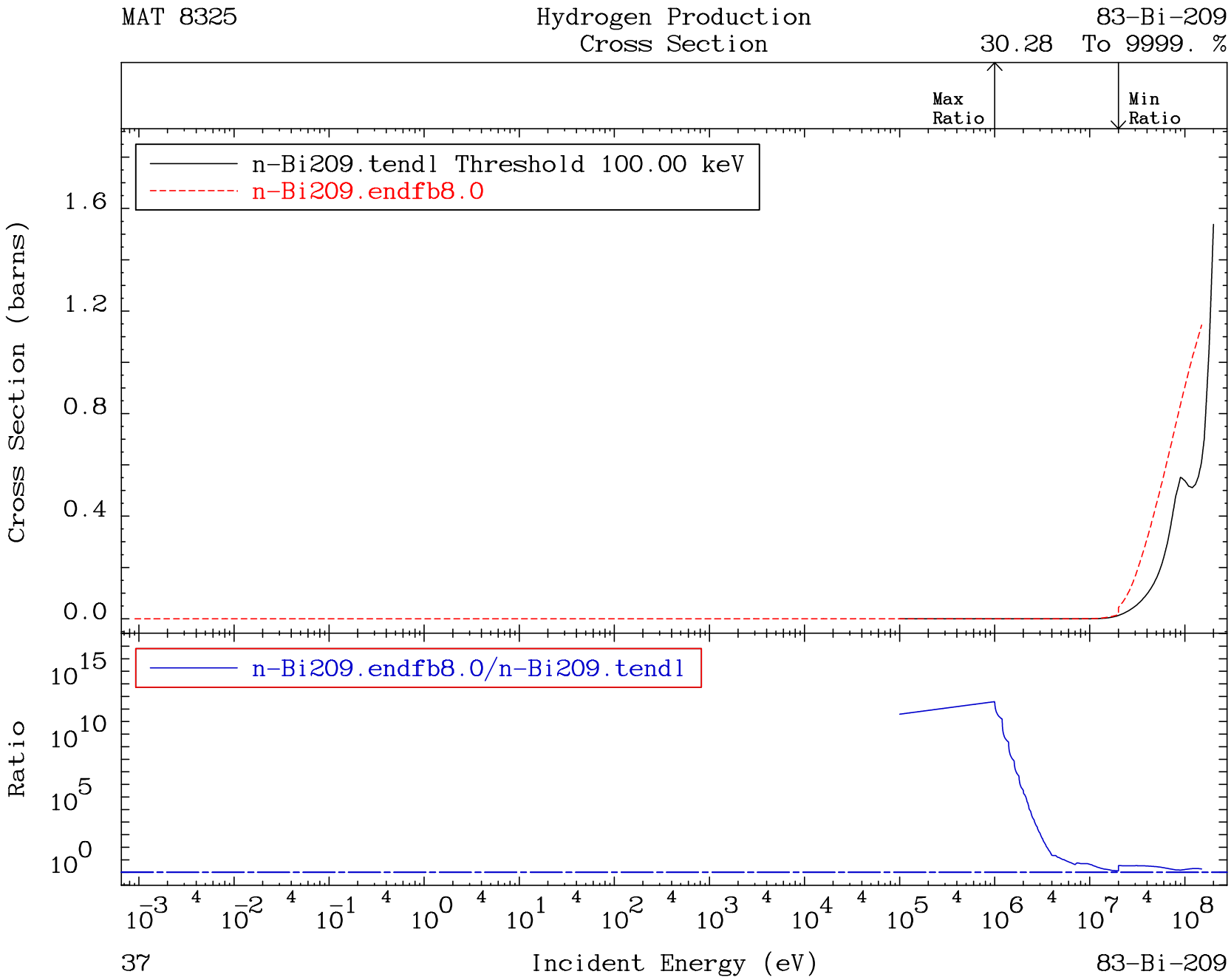

MAT 8325
(n,p)
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 100.00 keV
n-Bi209.endfb8.0
n-Bi209.endfb8.0/n-Bi209.tendl
Cross Section (milli-barns)
Ratio
Incident Energy (eV)
32
83-Bi-209

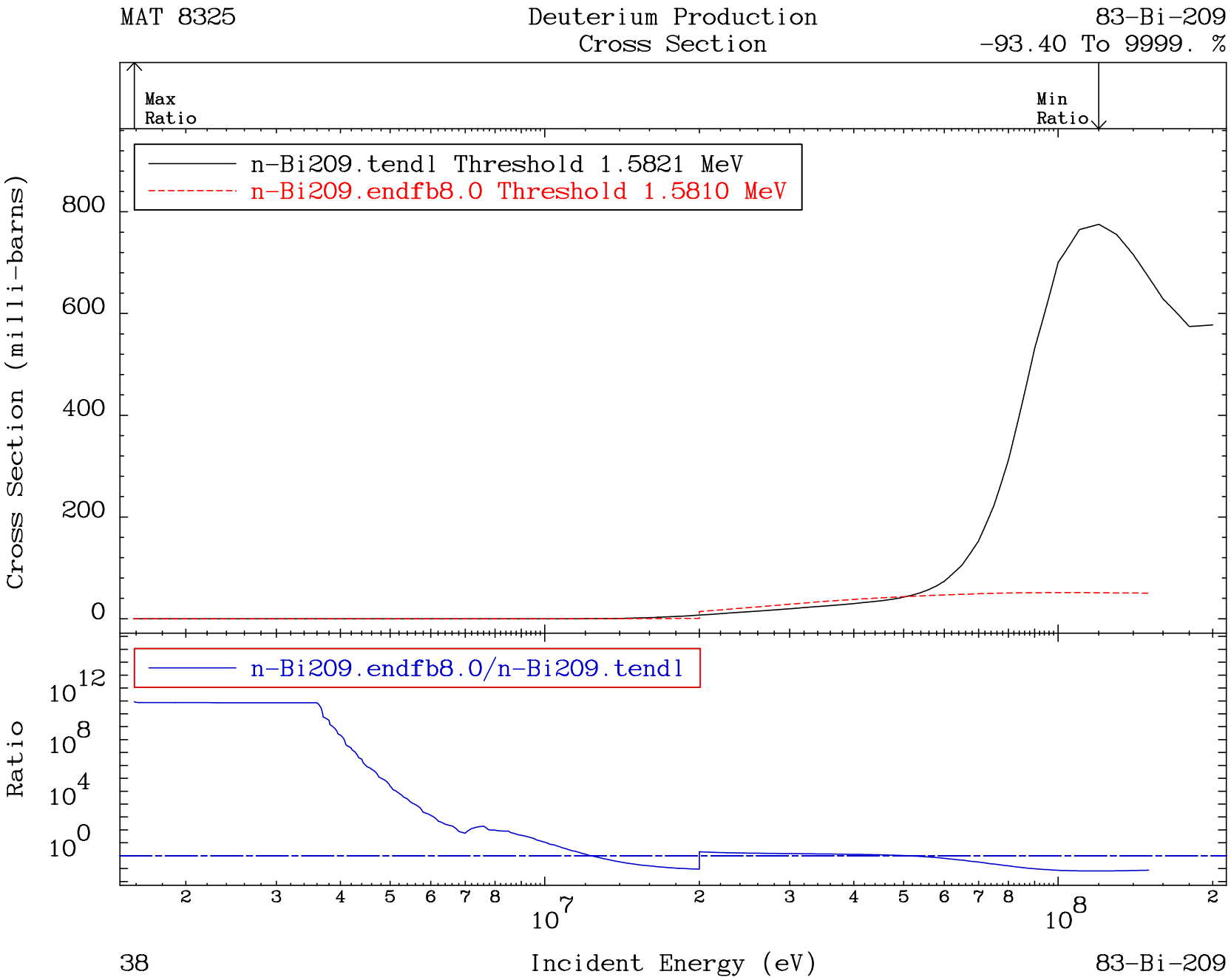

MAT 8325
(n,d)
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 1.5821 MeV
n-Bi209.endfb8.0 Threshold 1.5810 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
0.8
0.4
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
83-Bi-209

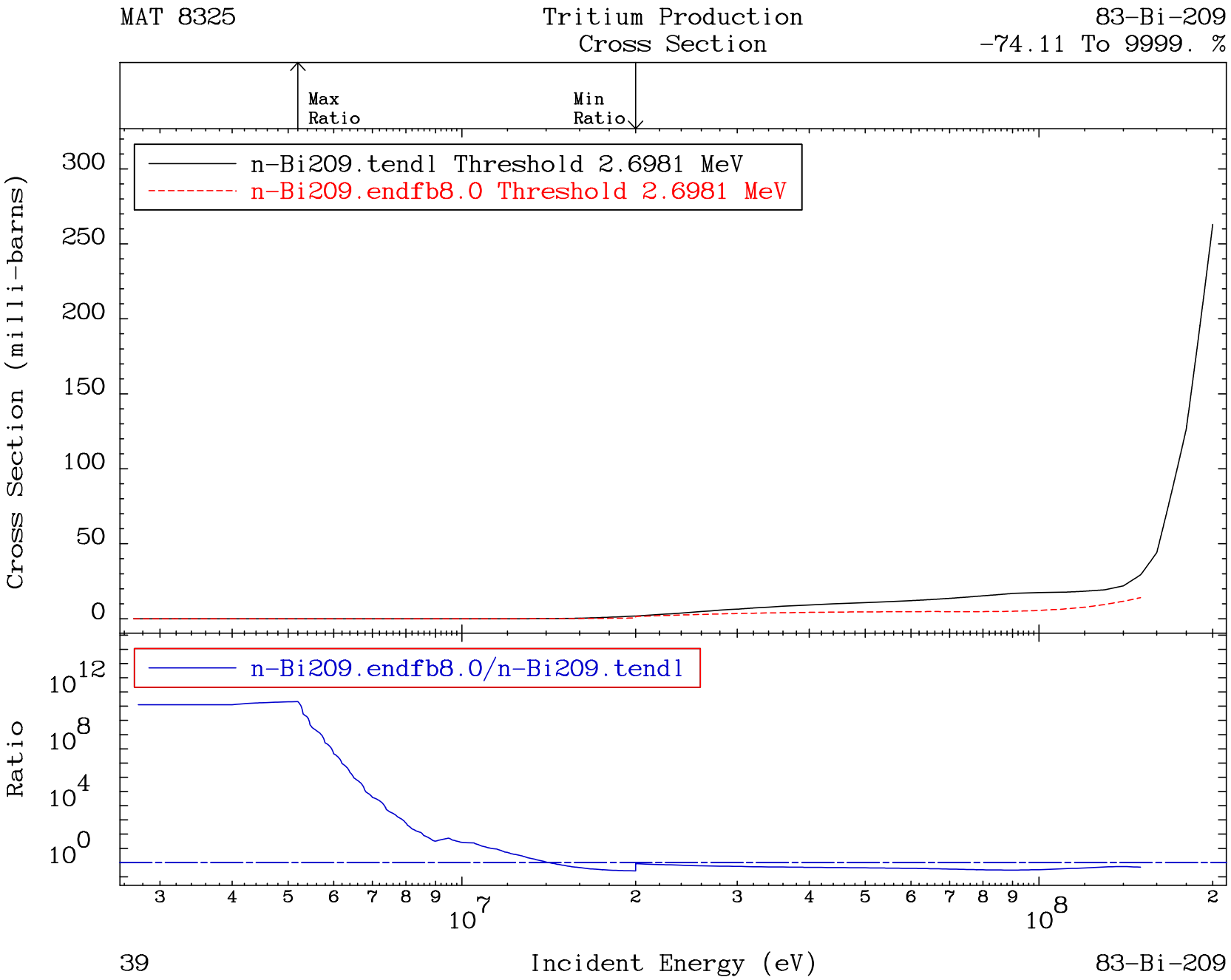

MAT 8325
(n,t)
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.6981 MeV
n-Bi209.endfb8.0 Threshold 2.6981 MeV
Cross Section (milli-barns)
0
1
2
3
4
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
0
100
200
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
83-Bi-209

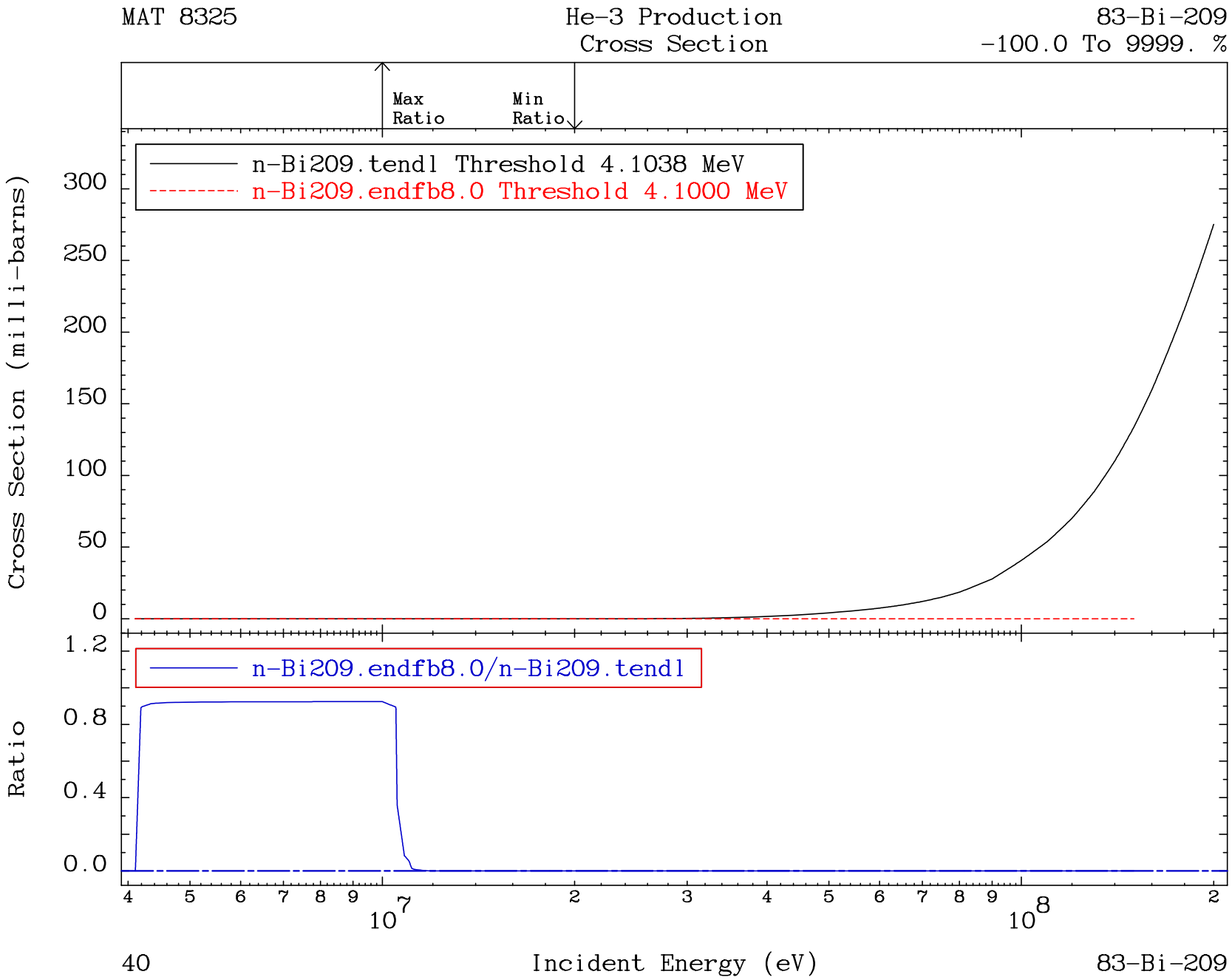

MAT 8325
(n,He-3)
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 4.1038 MeV
n-Bi209.endfb8.0 Threshold 4.1070 MeV
Cross Section (micro-barns)
200
150
100
50
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
1.2
0.8
0.4
0.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
83-Bi-209

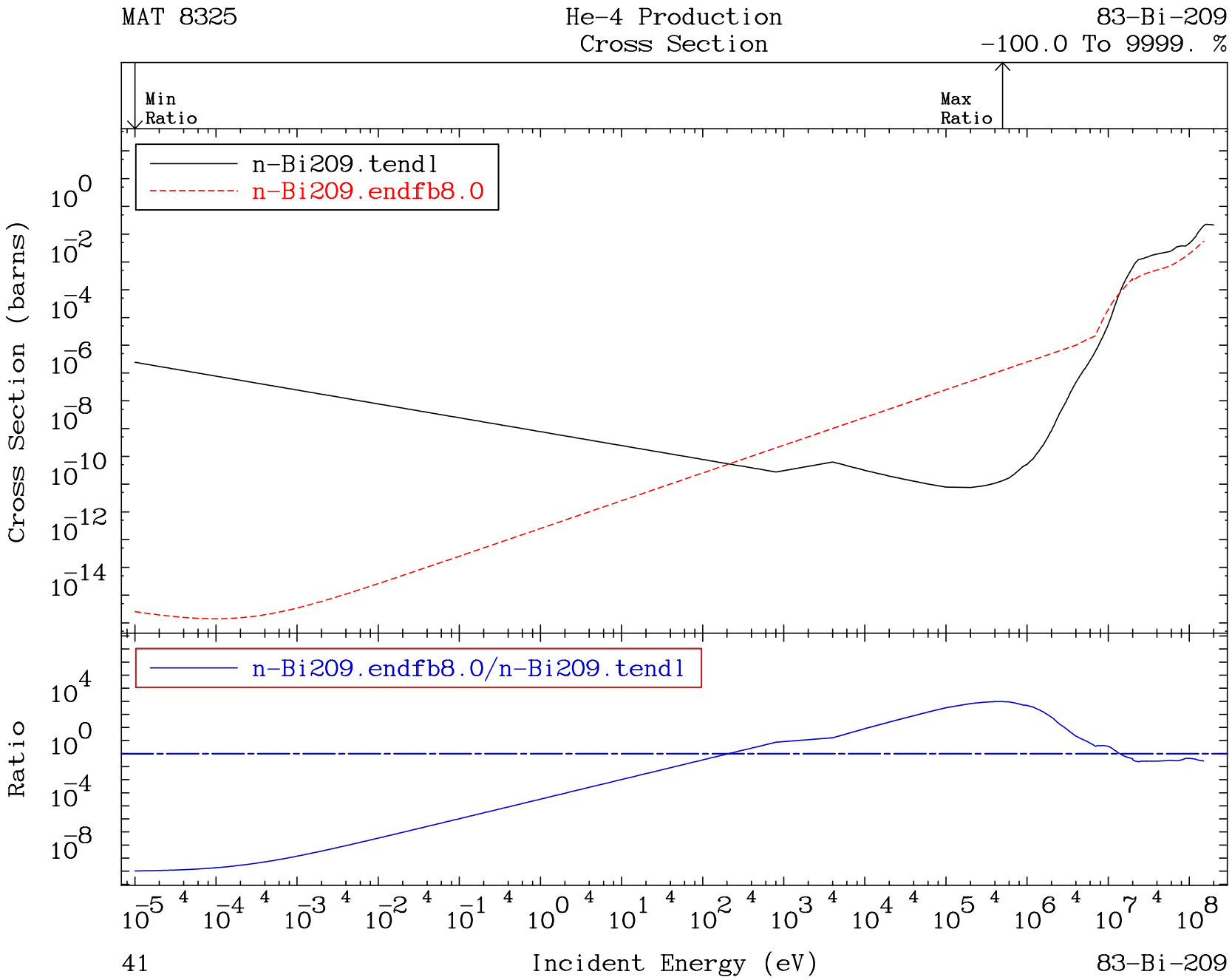

MAT 8325
(n,α)
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
36
83-Bi-209

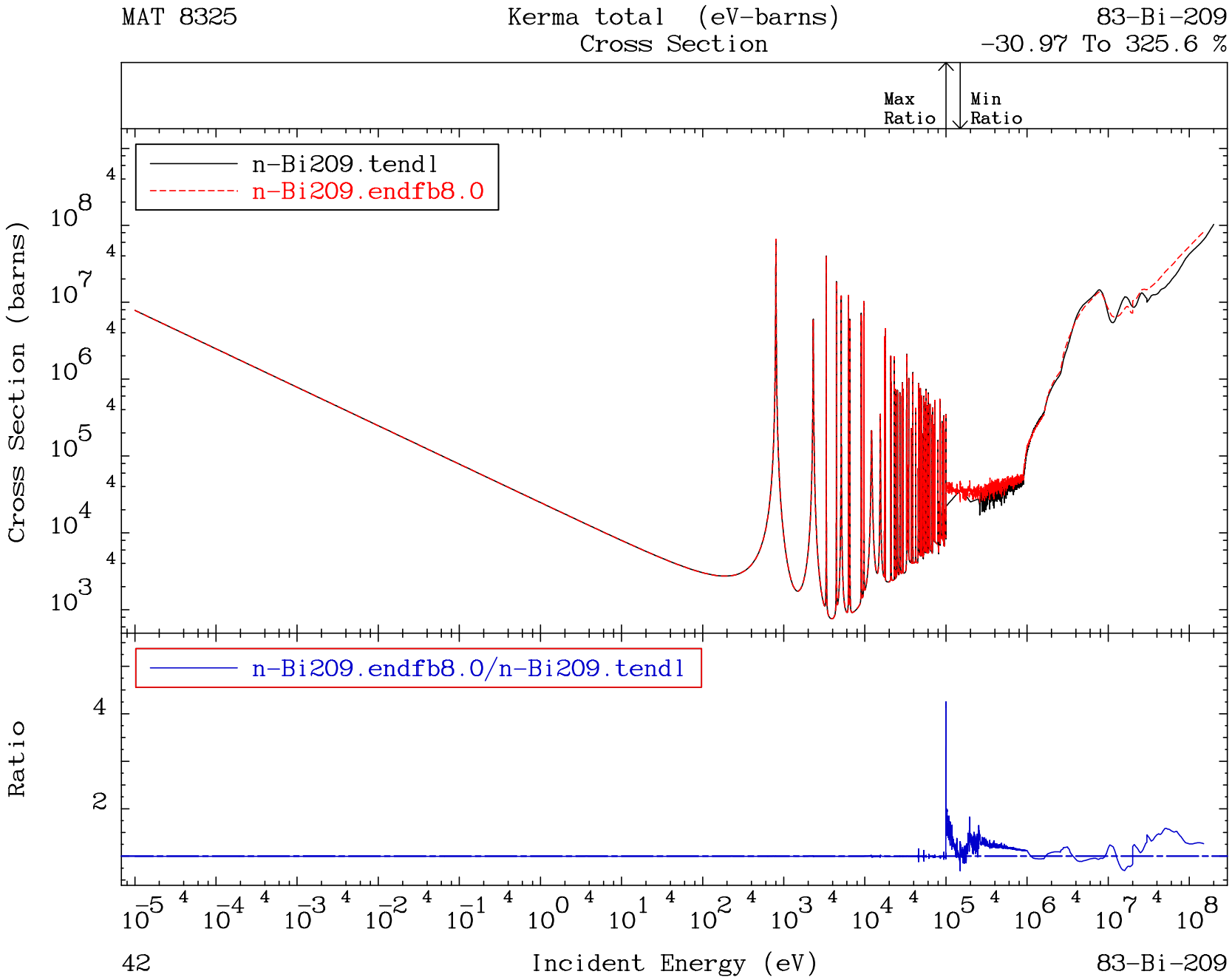

MAT 8325
Hydrogen Production
Cross Section
83-Bi-209
30.28 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 100.00 keV
n-Bi209.endfb8.0
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
10^15
10^10
10^5
10^0
10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
37
Incident Energy (eV)
83-Bi-209

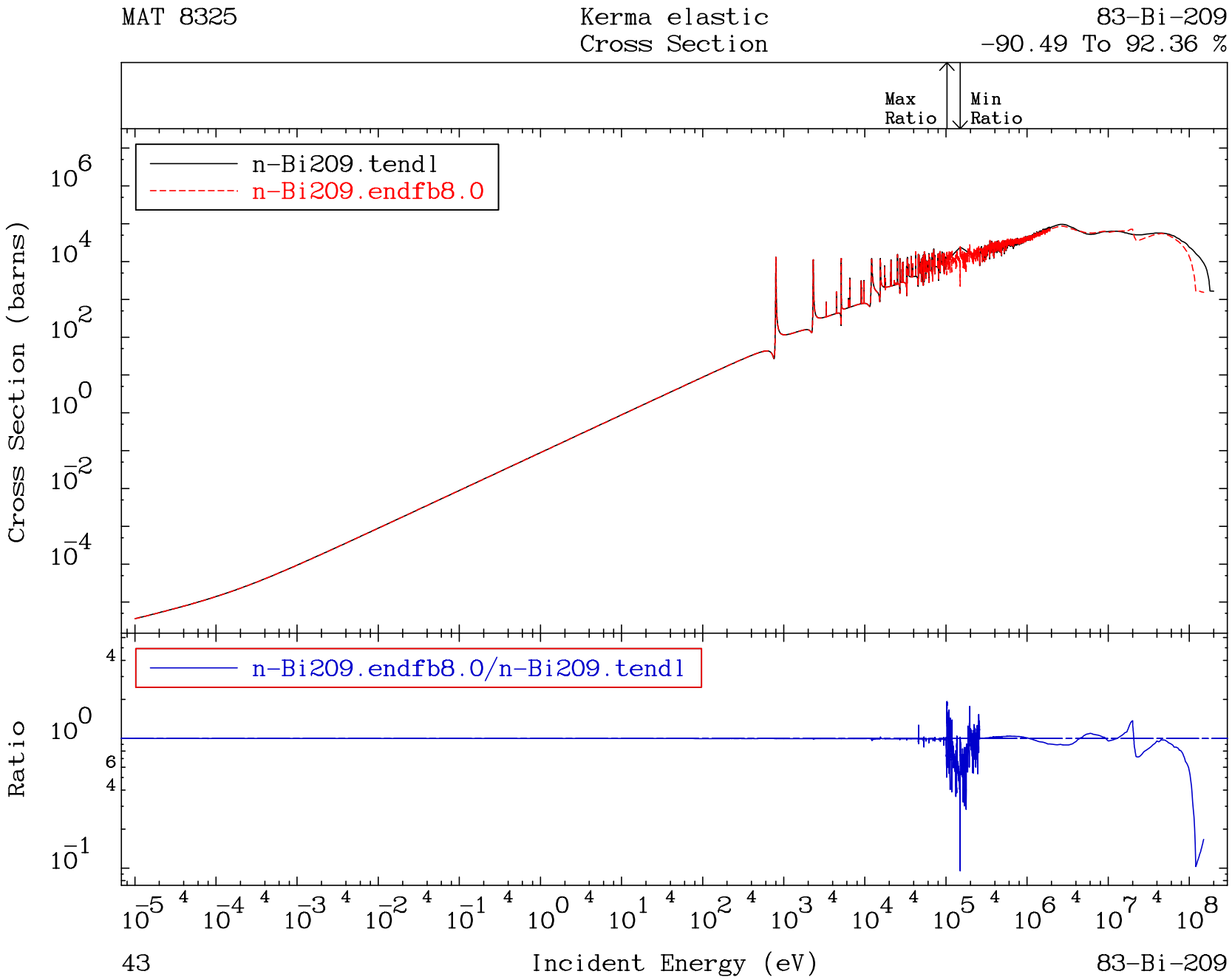

MAT 8325
Deuterium Production
Cross Section
83-Bi-209
-93.40 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 1.5821 MeV
n-Bi209.endfb8.0 Threshold 1.5810 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
10^12
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
83-Bi-209

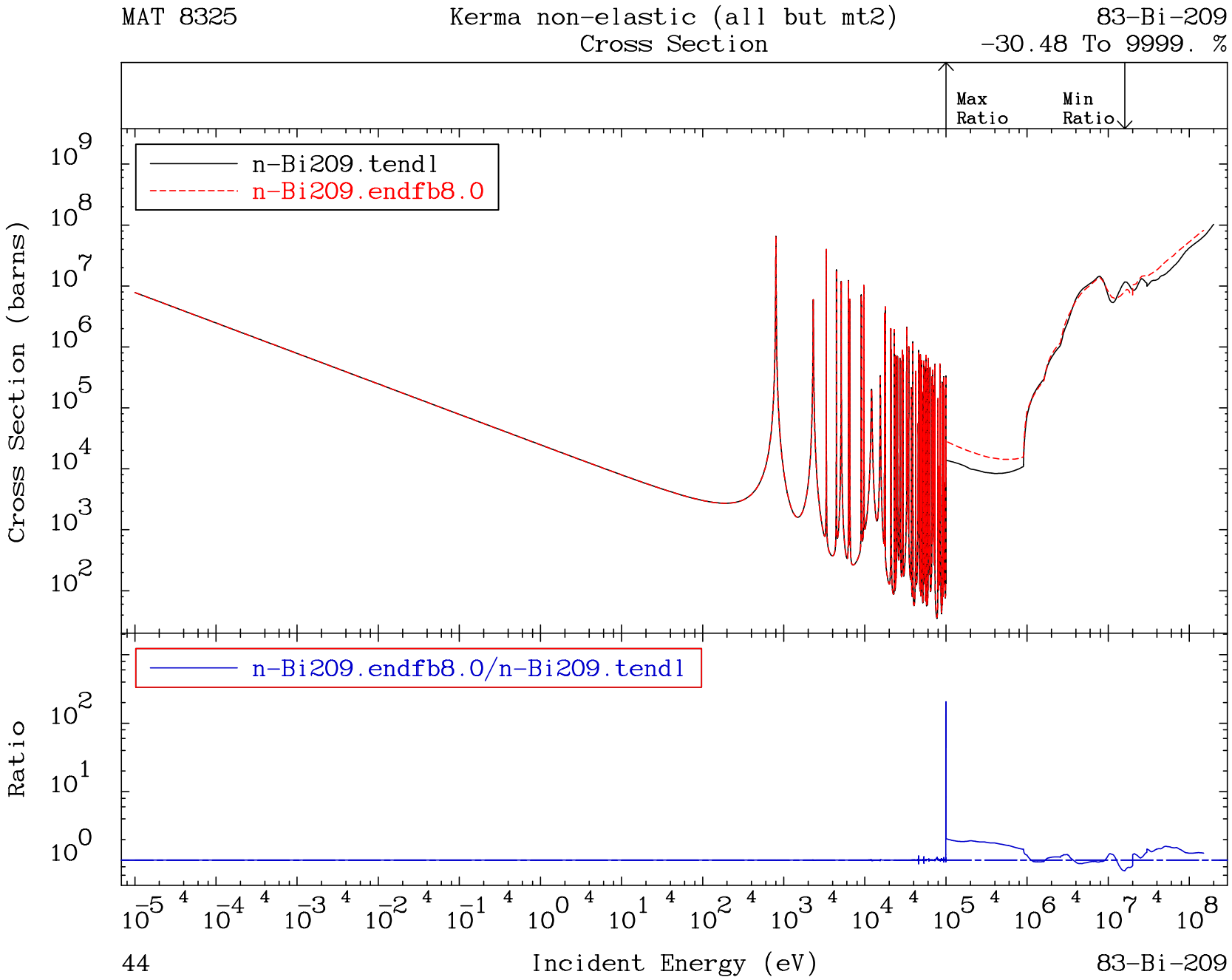

MAT 8325
Tritium Production
Cross Section
83-Bi-209
-74.11 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 2.6981 MeV
n-Bi209.endfb8.0 Threshold 2.6981 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
10^12
10^8
10^4
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
83-Bi-209

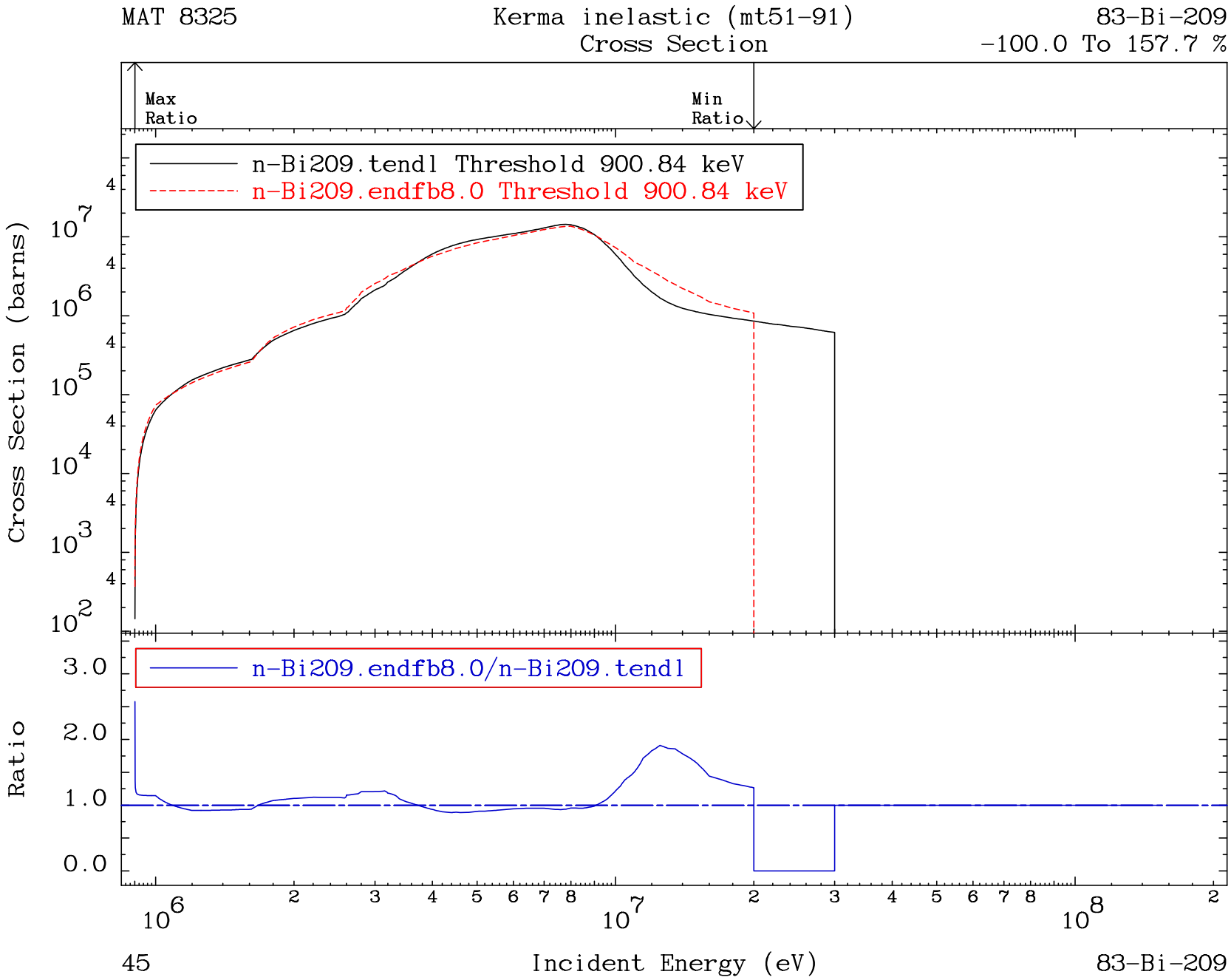

MAT 8325
He-3 Production
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 4.1038 MeV
n-Bi209.endfb8.0 Threshold 4.1000 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
1.2
0.8
0.4
0.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
40
Incident Energy (eV)
83-Bi-209

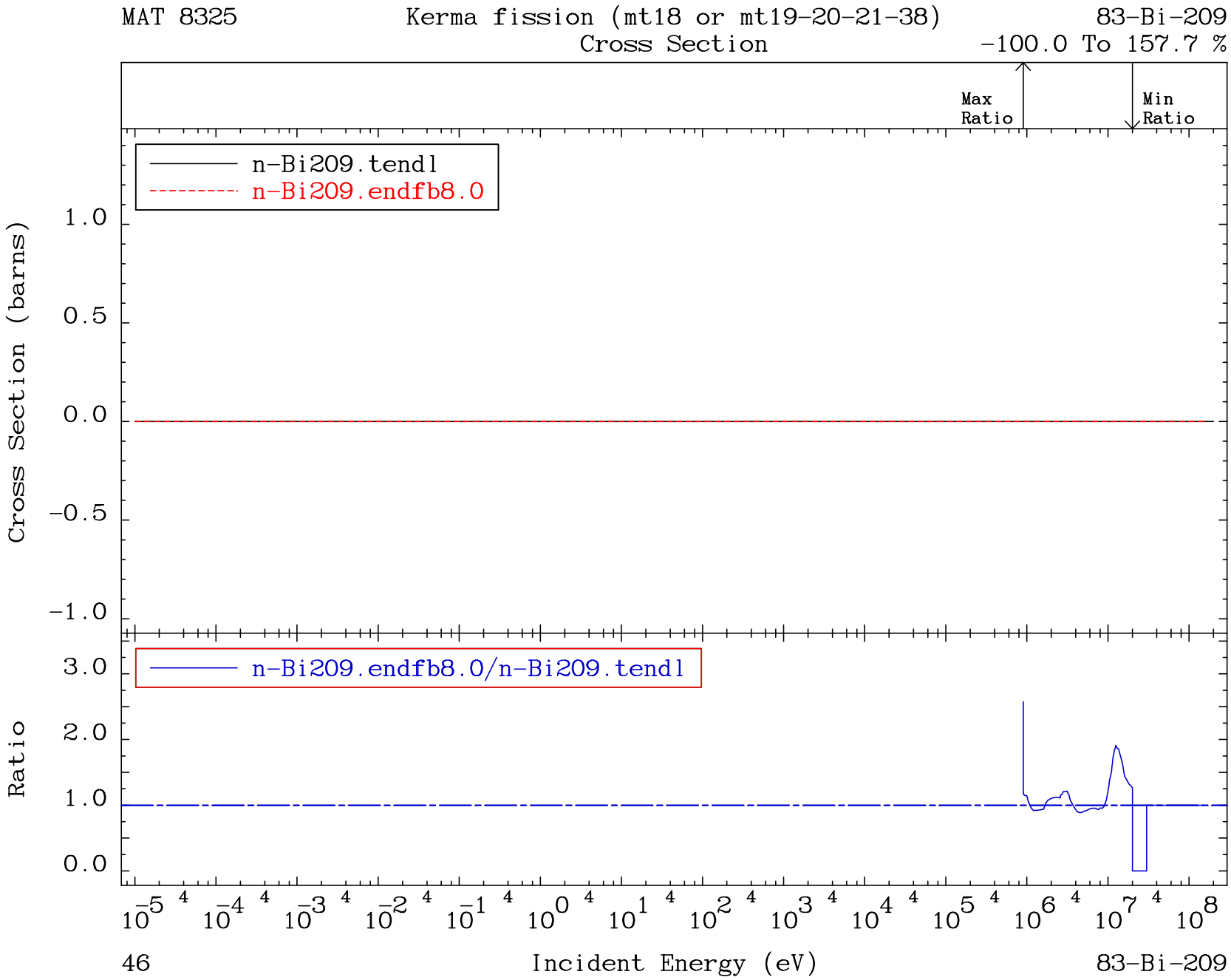

MAT 8325
He-4 Production
Cross Section
83-Bi-209
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
41
83-Bi-209

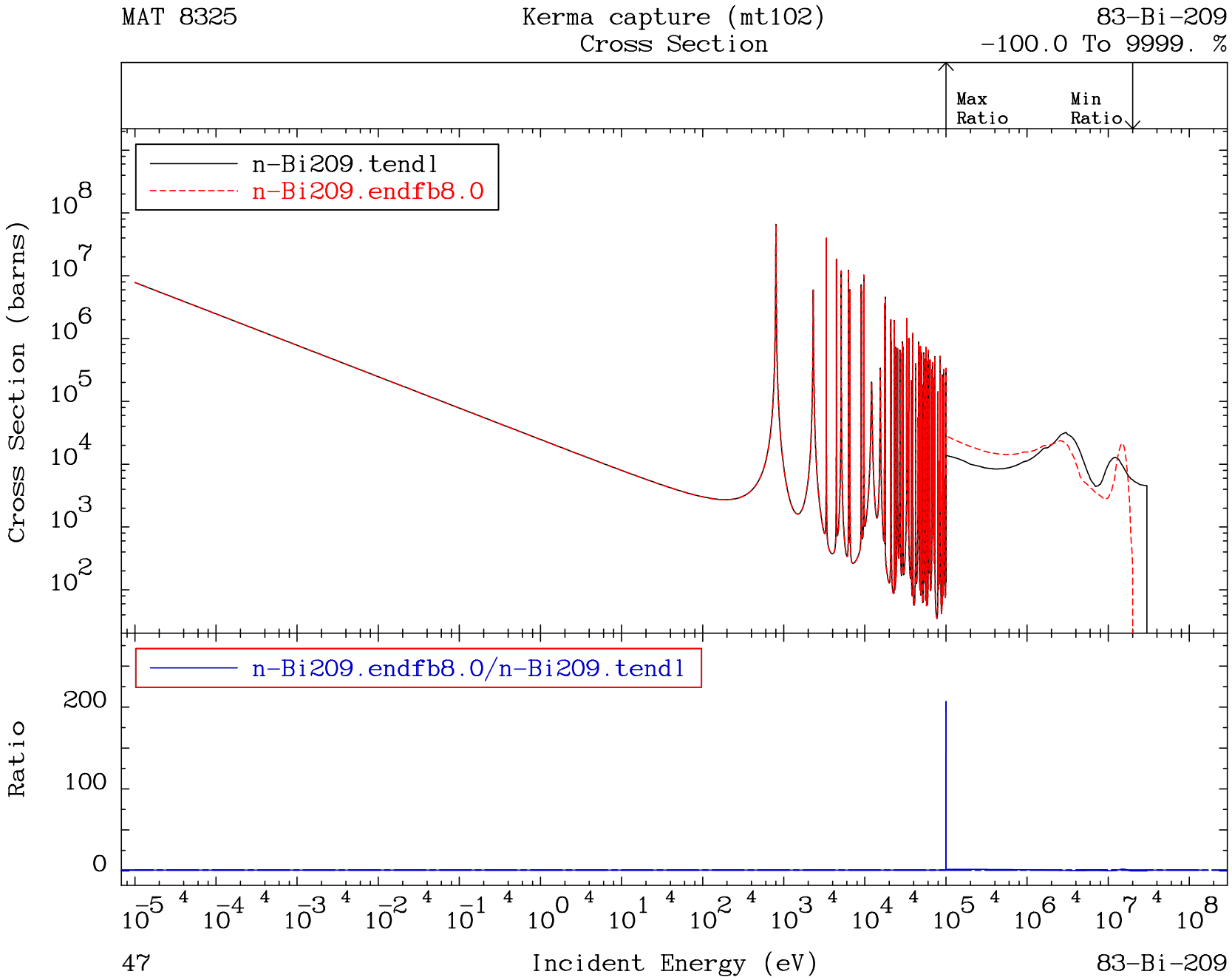

MAT 8325
Kerma total (eV-barns)
Cross Section
83-Bi-209
-30.97 To 325.6 %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
42
83-Bi-209

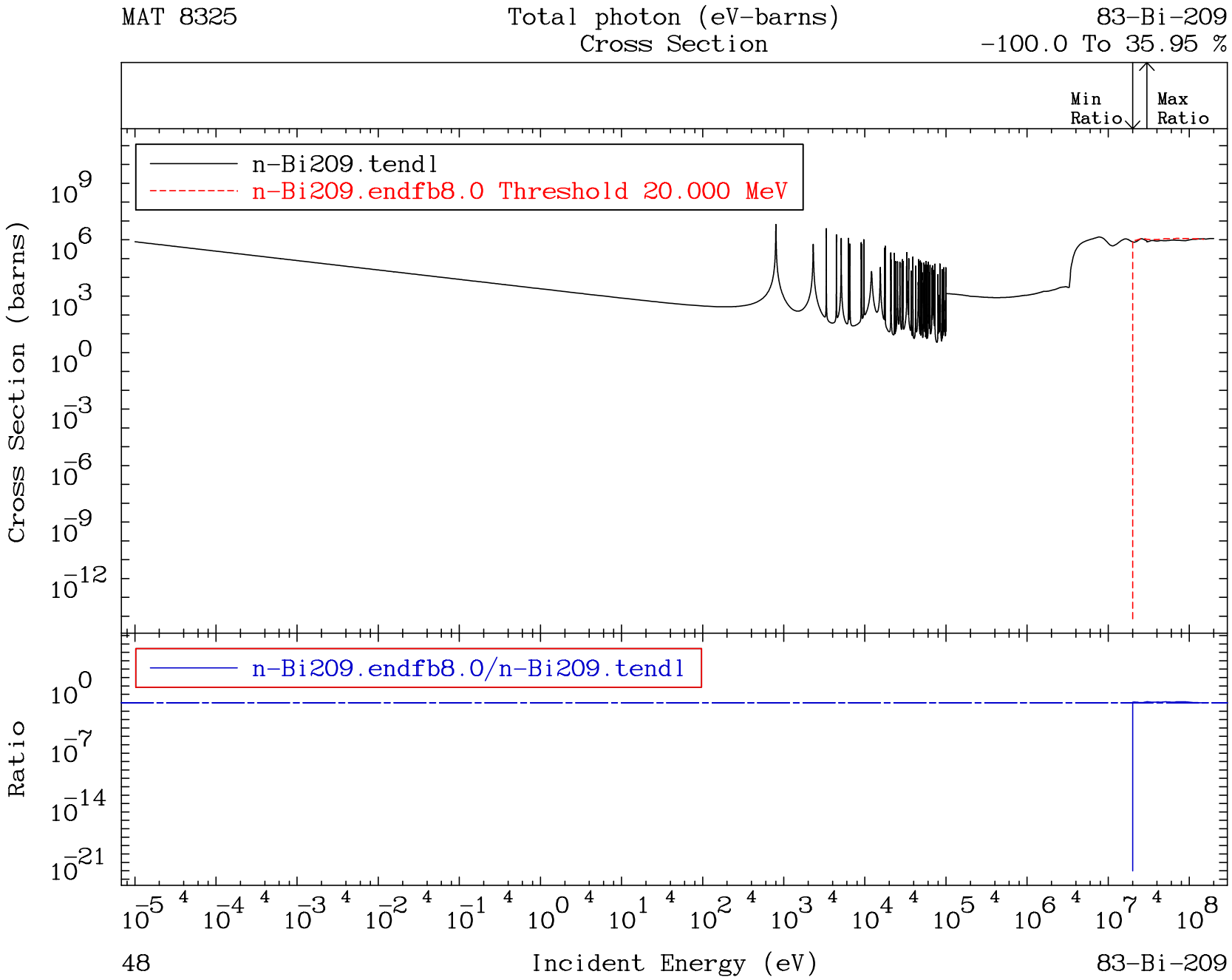

MAT 8325
Kerma elastic
Cross Section
83-Bi-209
-90.49 To 92.36 %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
43
83-Bi-209

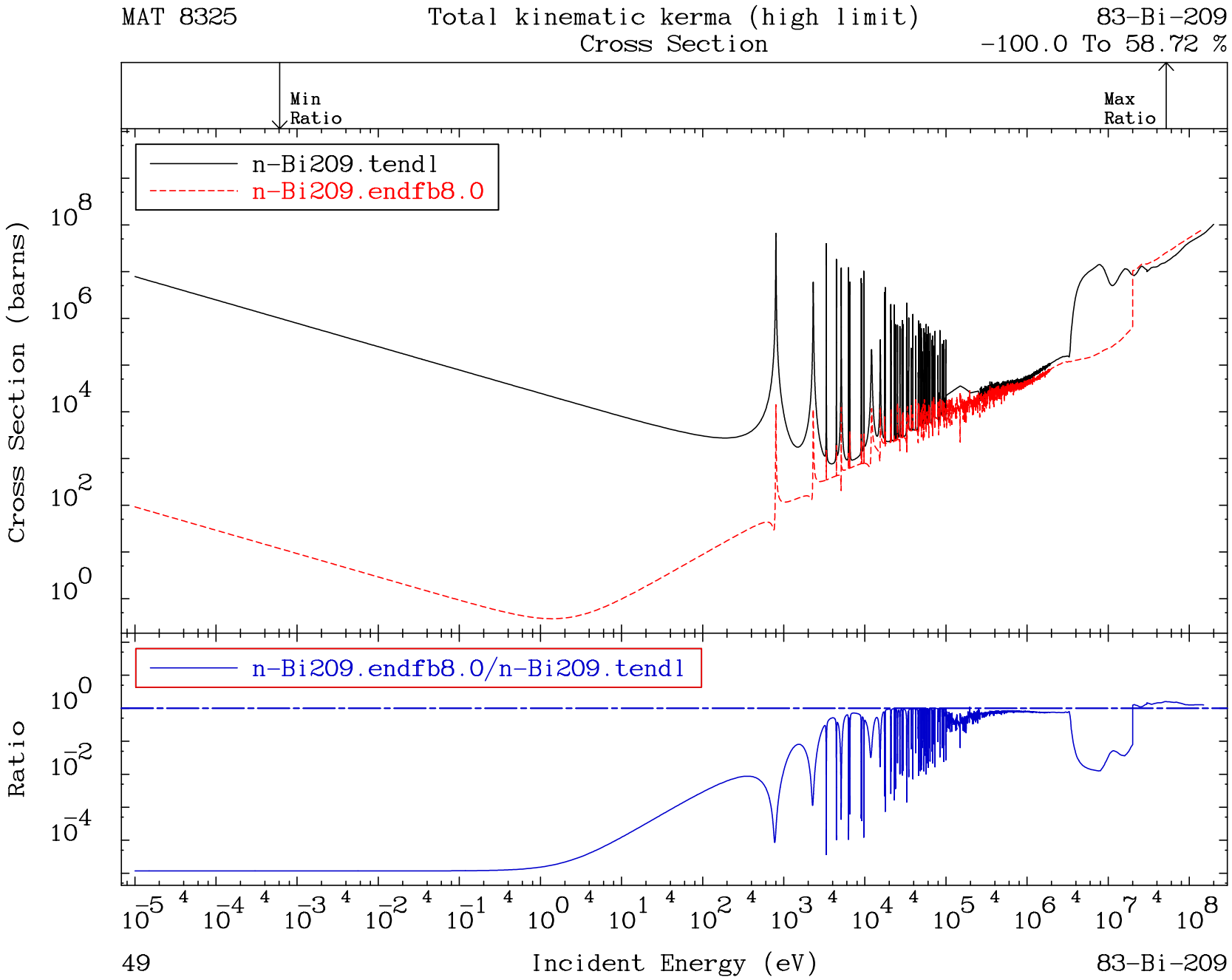

MAT 8325
Kerma non-elastic (all but mt2)
Cross Section
83-Bi-209
-30.48 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
44
83-Bi-209

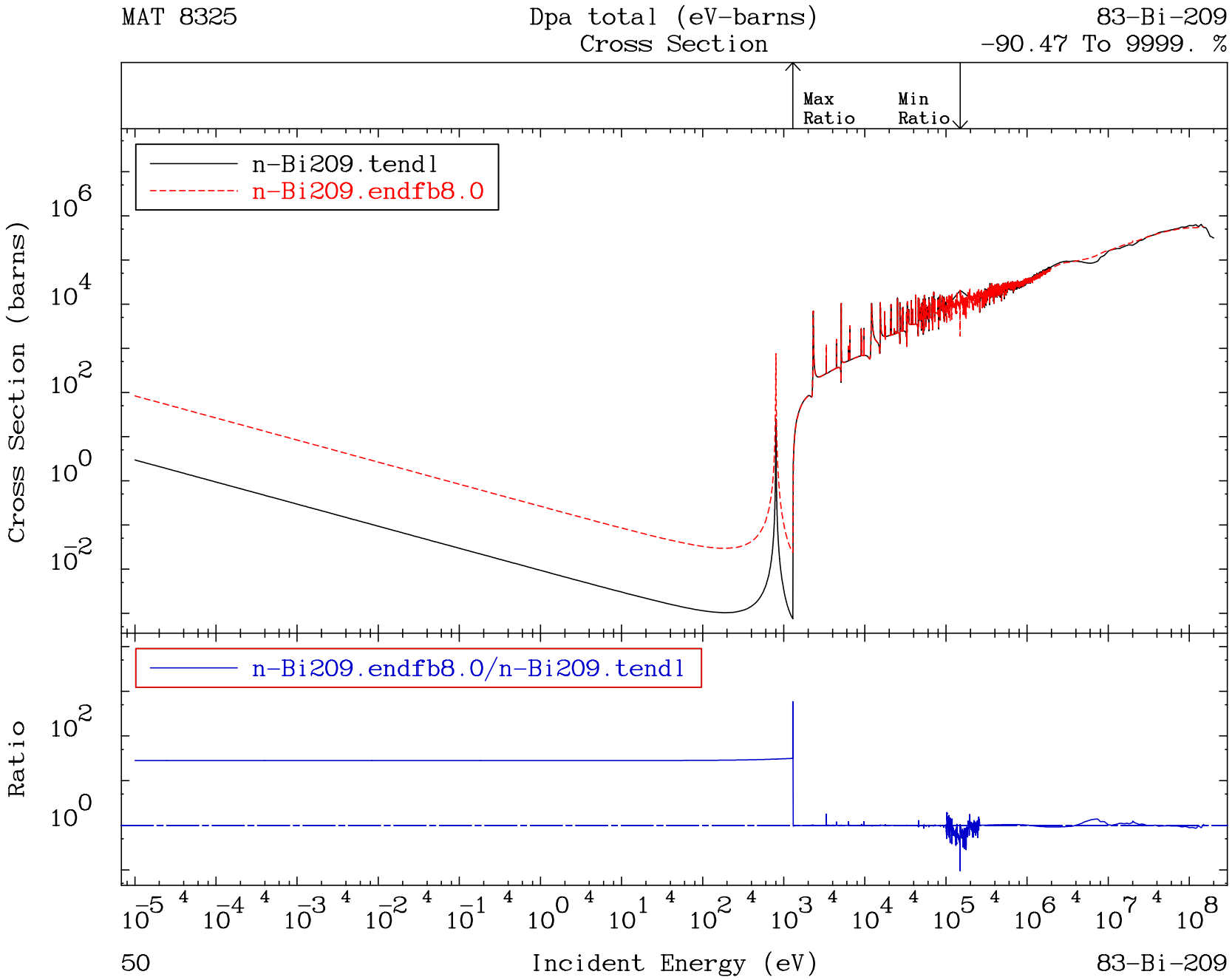

MAT 8325
Kerma inelastic (mt51-91)
Cross Section
83-Bi-209
-100.0 To 157.7 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 900.84 keV
n-Bi209.endfb8.0 Threshold 900.84 keV
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
45
83-Bi-209

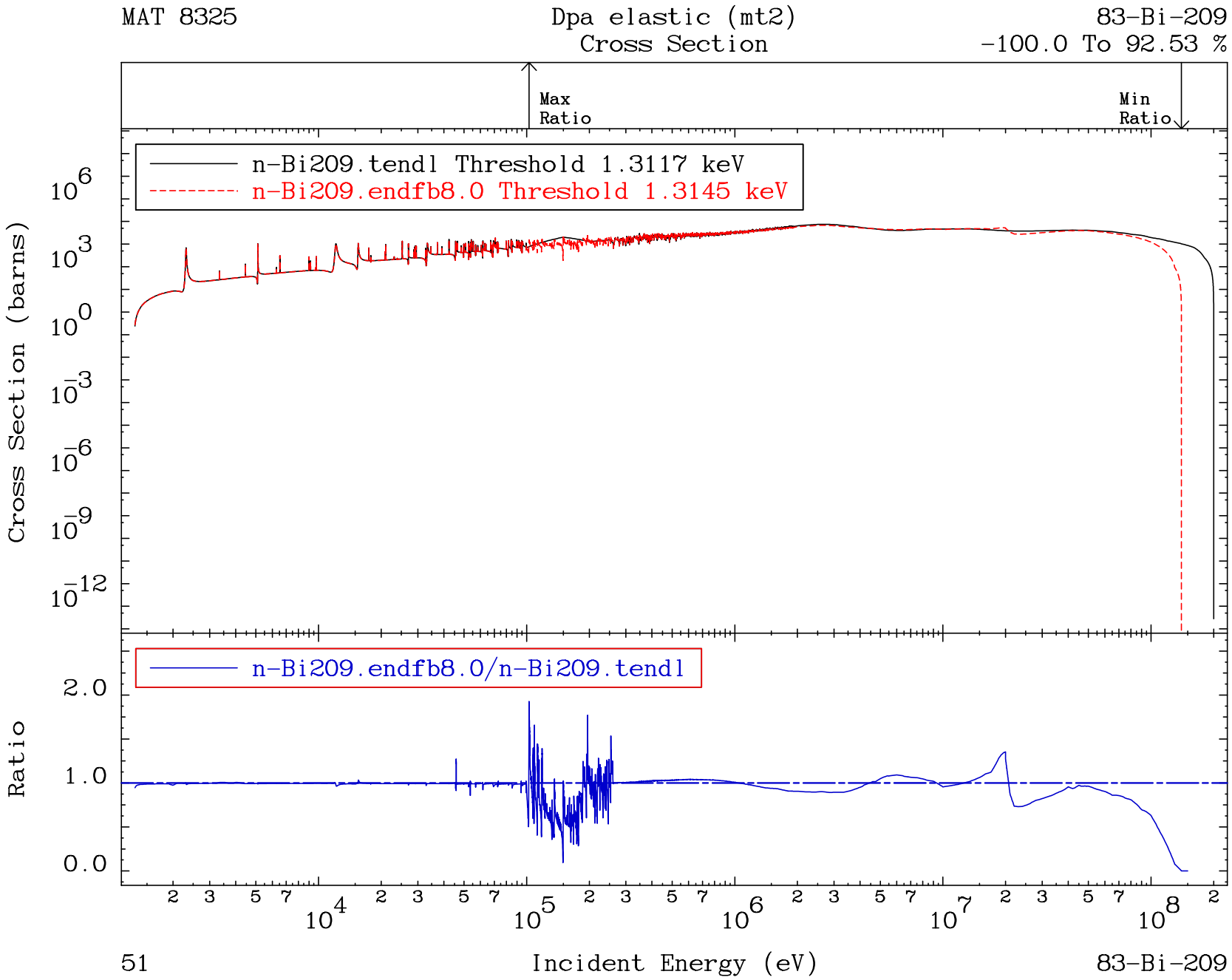

MAT 8325
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
83-Bi-209
-100.0 To 157.7 %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
3.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
83-Bi-209

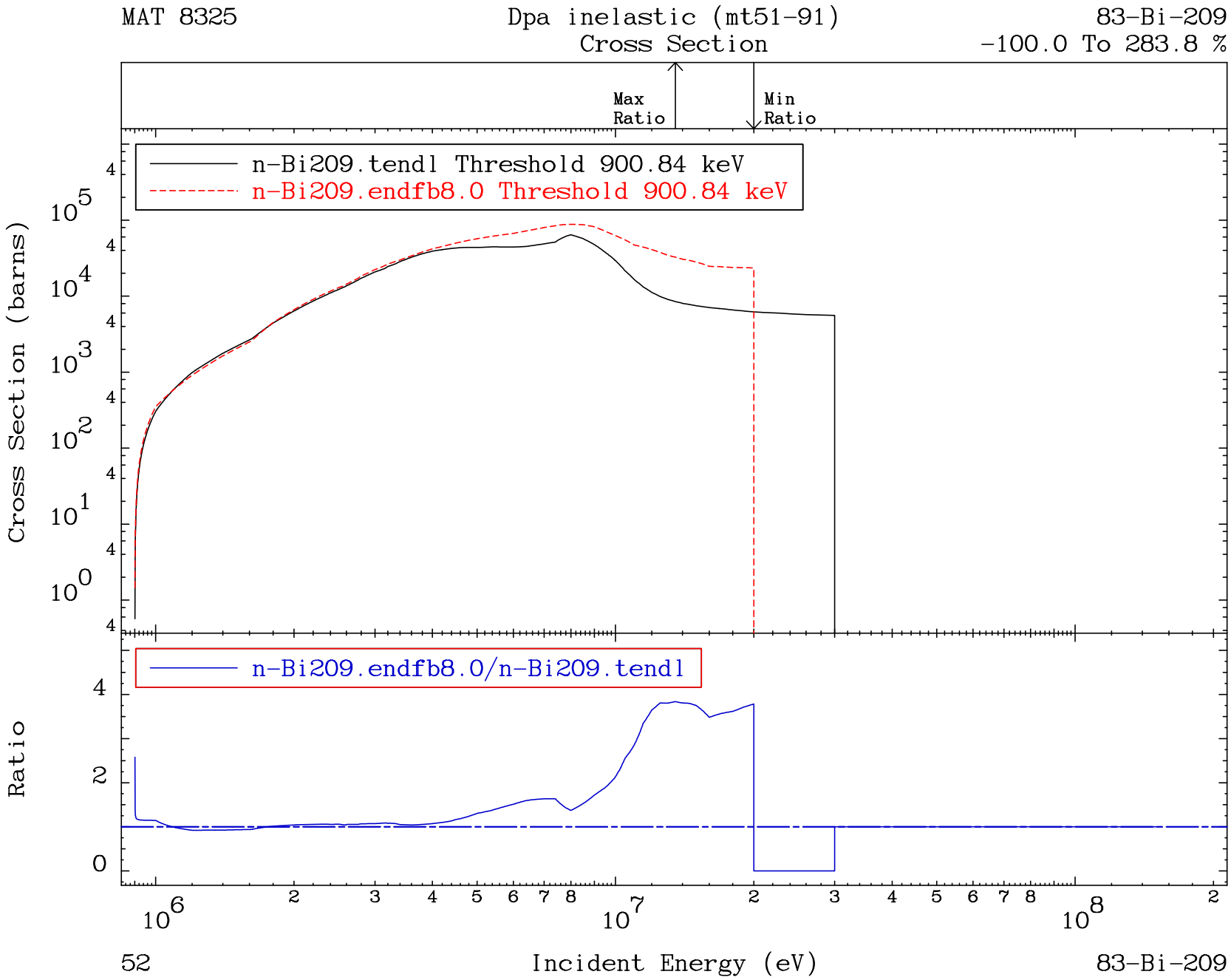

MAT 8325
Kerma capture (mt102)
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
47
83-Bi-209

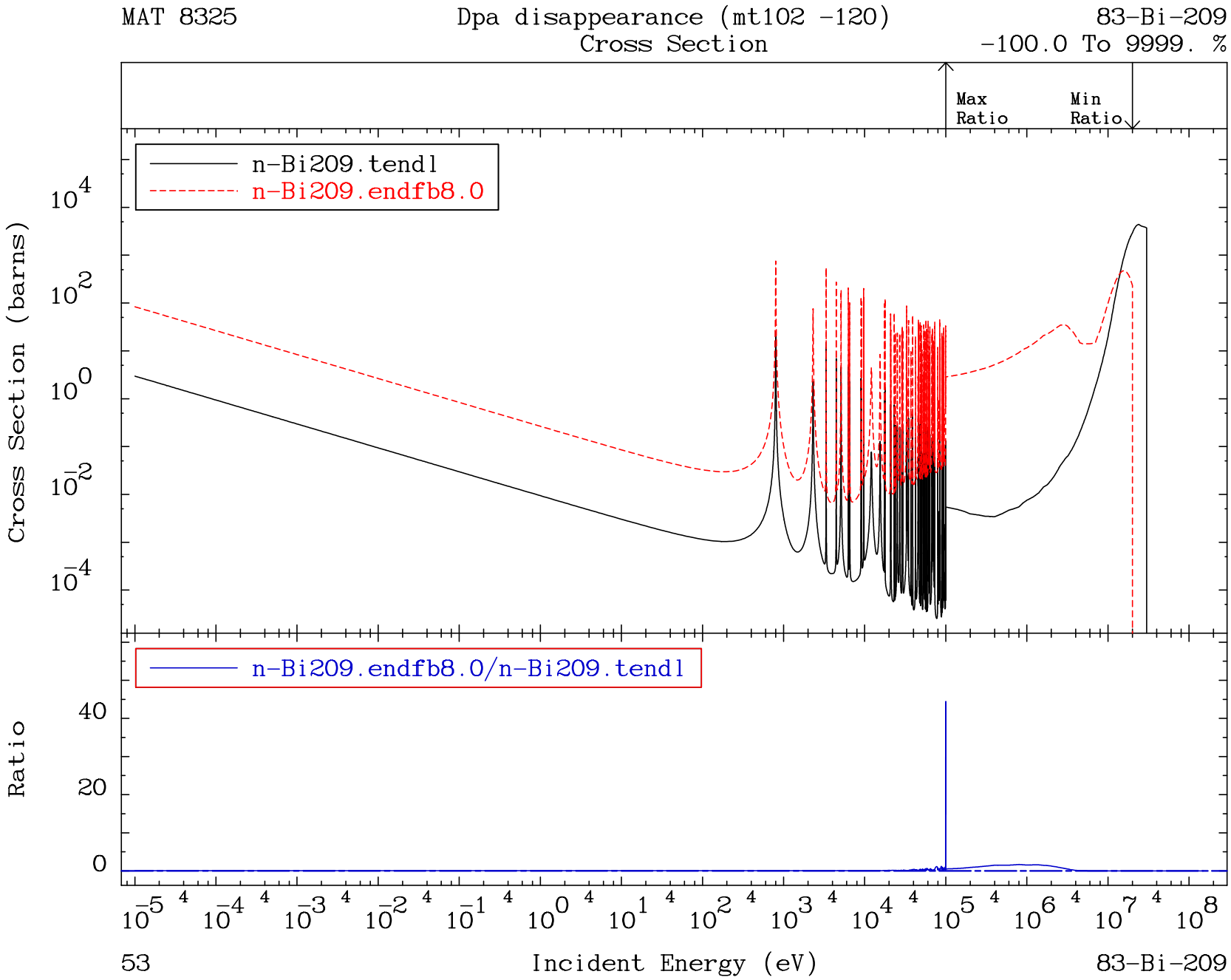

MAT 8325
Total photon (eV-barns)
Cross Section
83-Bi-209
-100.0 To 35.95 %
Min Ratio
Max Ratio
n-Bi209.tendl
n-Bi209.endfb8.0 Threshold 20.000 MeV
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
48
83-Bi-209


MAT 8325
Total kinematic kerma (high limit)
Cross Section
83-Bi-209
-100.0 To 58.72 %
Min Ratio
Max Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
49
83-Bi-209


MAT 8325
Dpa total (eV-barns)
Cross Section
83-Bi-209
-90.47 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
50
83-Bi-209


MAT 8325
Dpa elastic (mt2)
Cross Section
83-Bi-209
-100.0 To 92.53 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 1.3117 keV
n-Bi209.endfb8.0 Threshold 1.3145 keV
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
51
83-Bi-209


MAT 8325
Dpa inelastic (mt51-91)
Cross Section
83-Bi-209
-100.0 To 283.8 %
Max Ratio
Min Ratio
n-Bi209.tendl Threshold 900.84 keV
n-Bi209.endfb8.0 Threshold 900.84 keV
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
52
83-Bi-209


MAT 8325
Dpa disappearance (mt102 -120)
Cross Section
83-Bi-209
-100.0 To 9999. %
Max Ratio
Min Ratio
n-Bi209.tendl
n-Bi209.endfb8.0
Cross Section (barns)
n-Bi209.endfb8.0/n-Bi209.tendl
Ratio
Incident Energy (eV)
53
83-Bi-209