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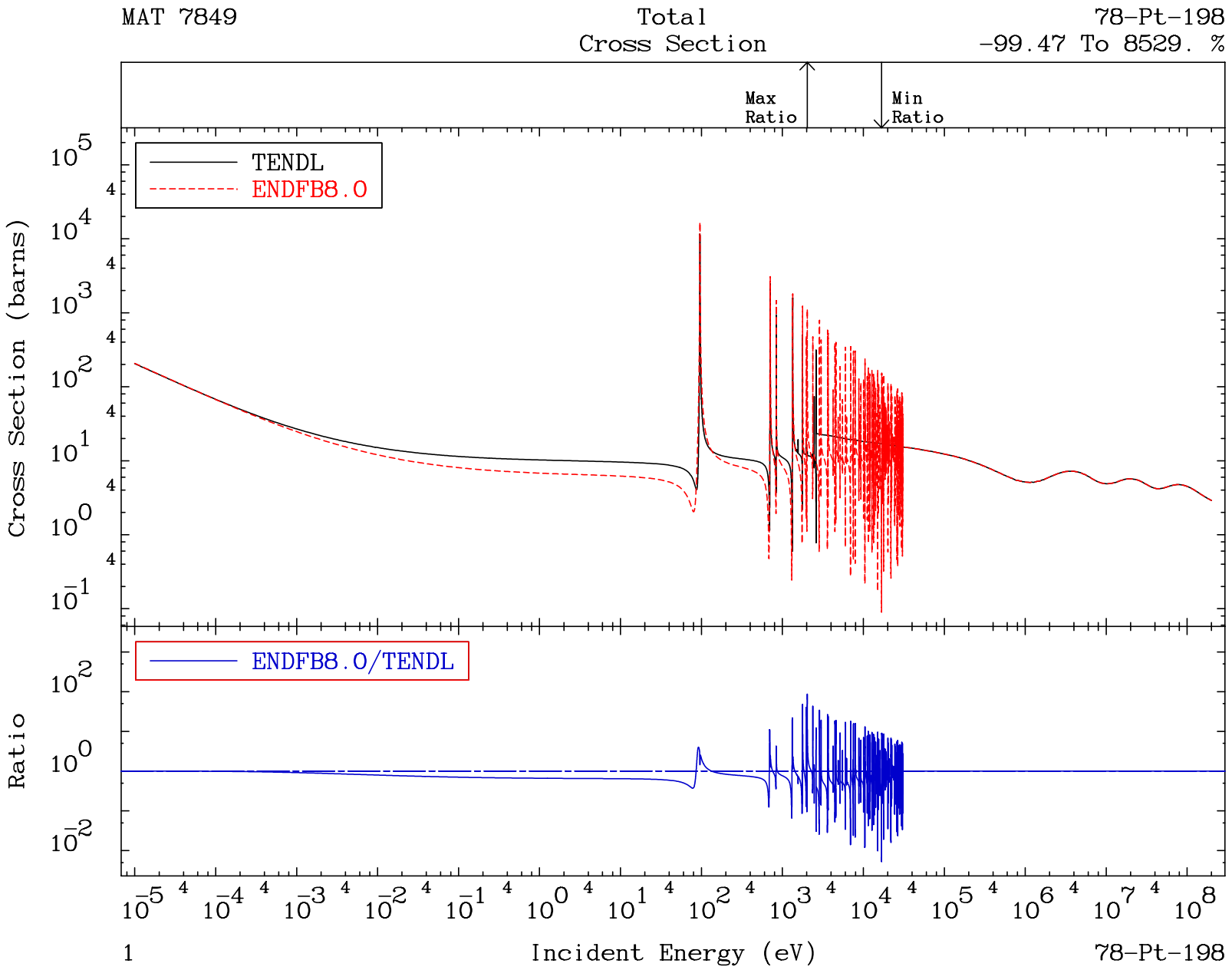
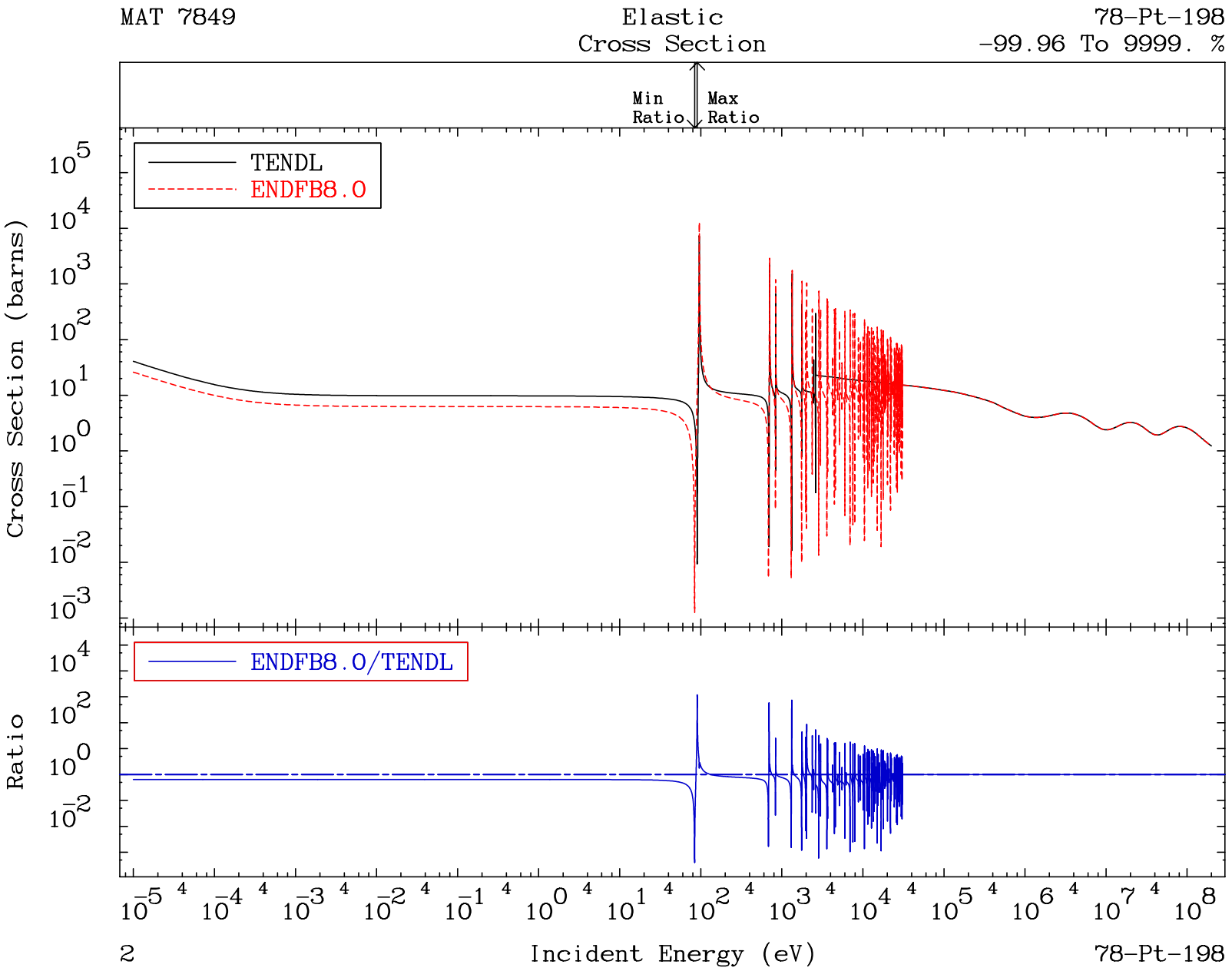
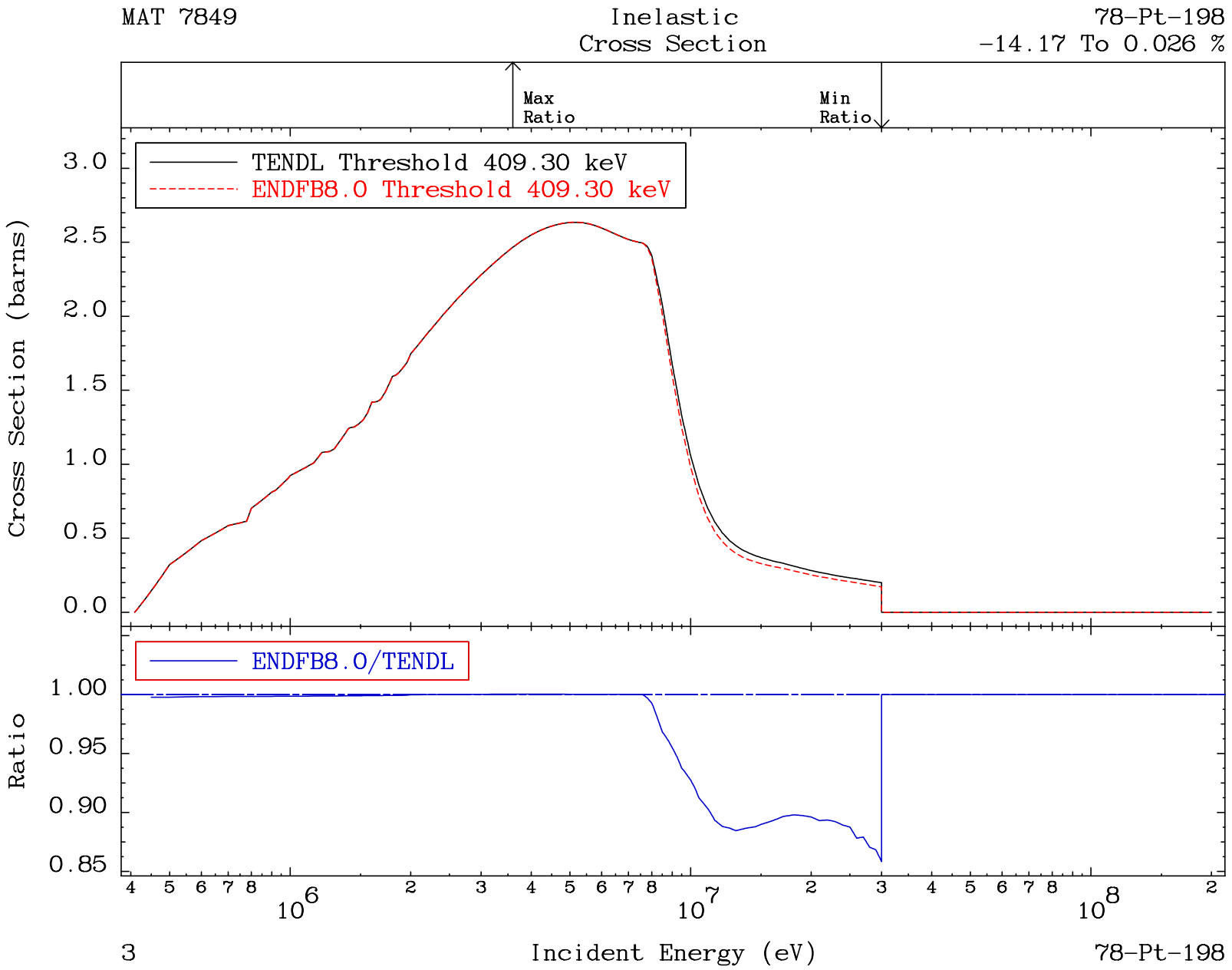
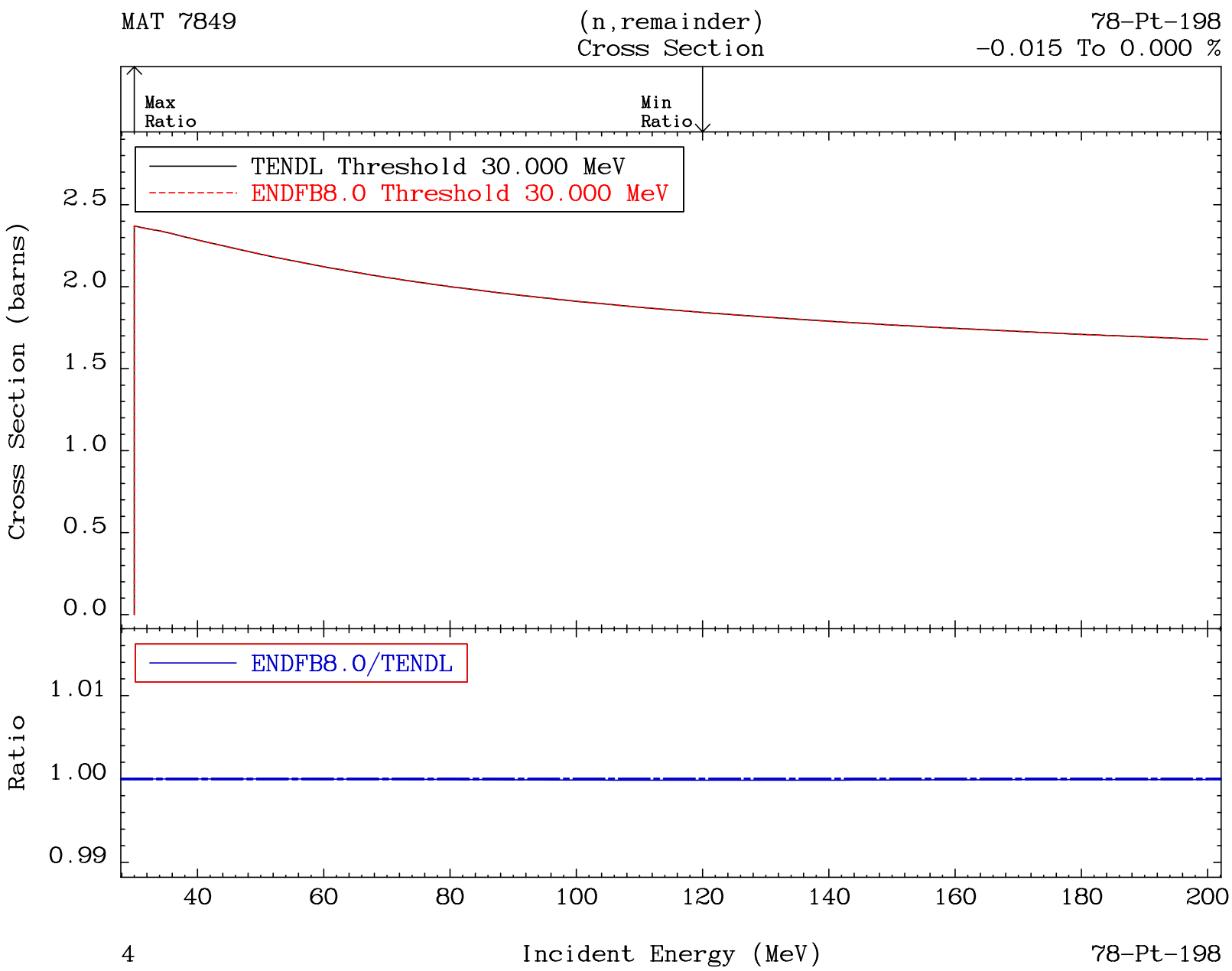
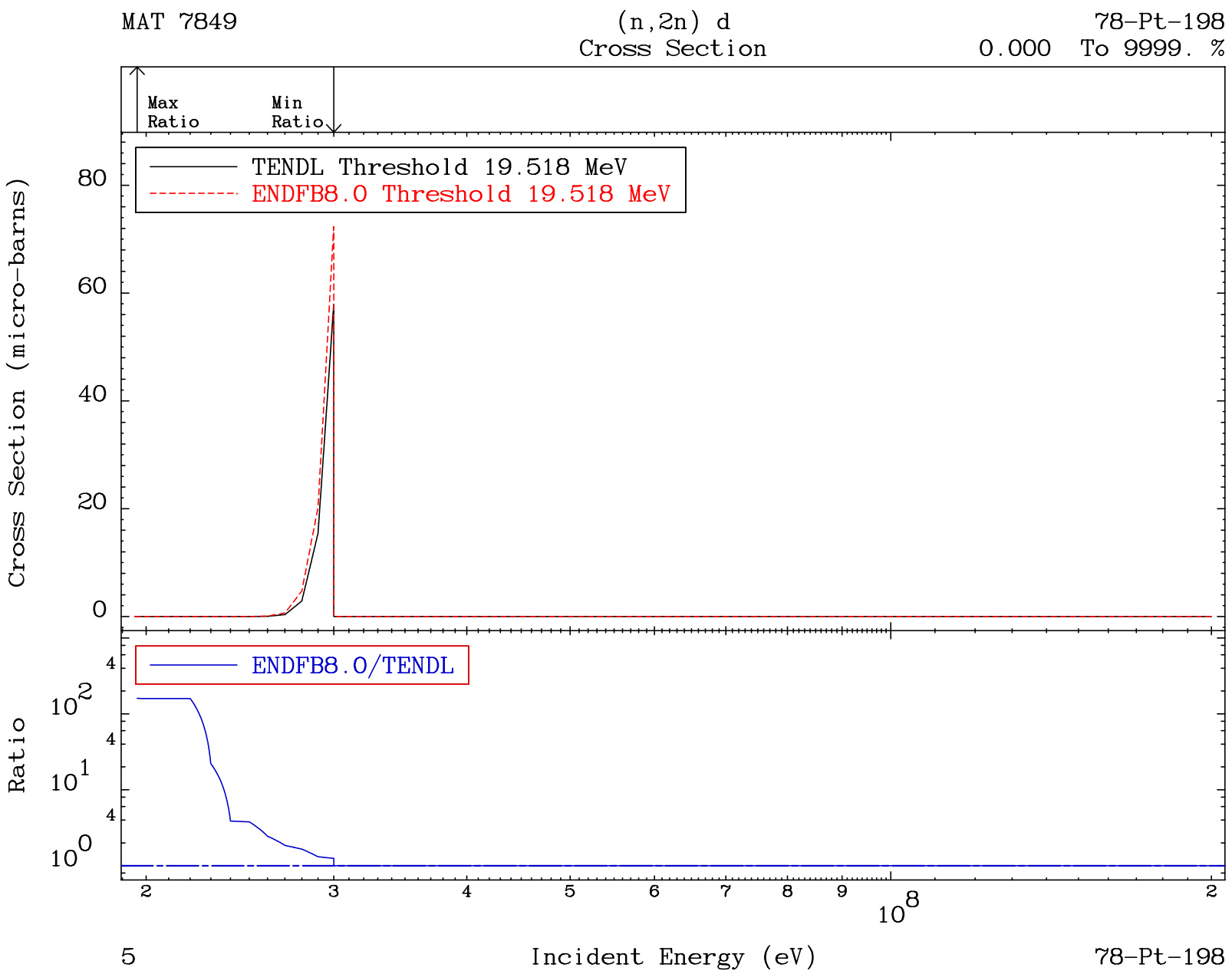
Press Mouse Button to Start

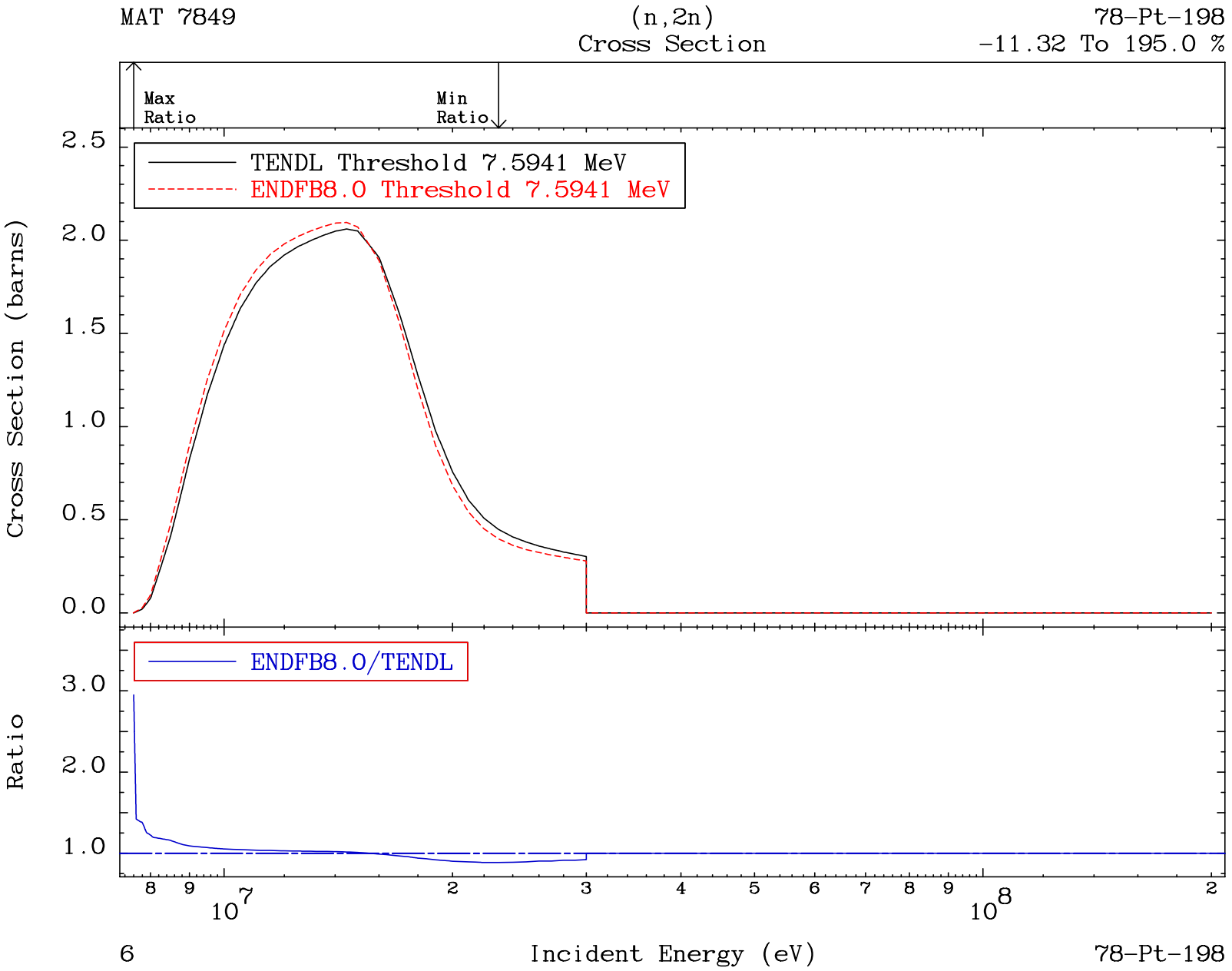

MAT 7849
Total
Cross Section
78-Pt-198
-99.47 To 8529. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
1
78-Pt-198

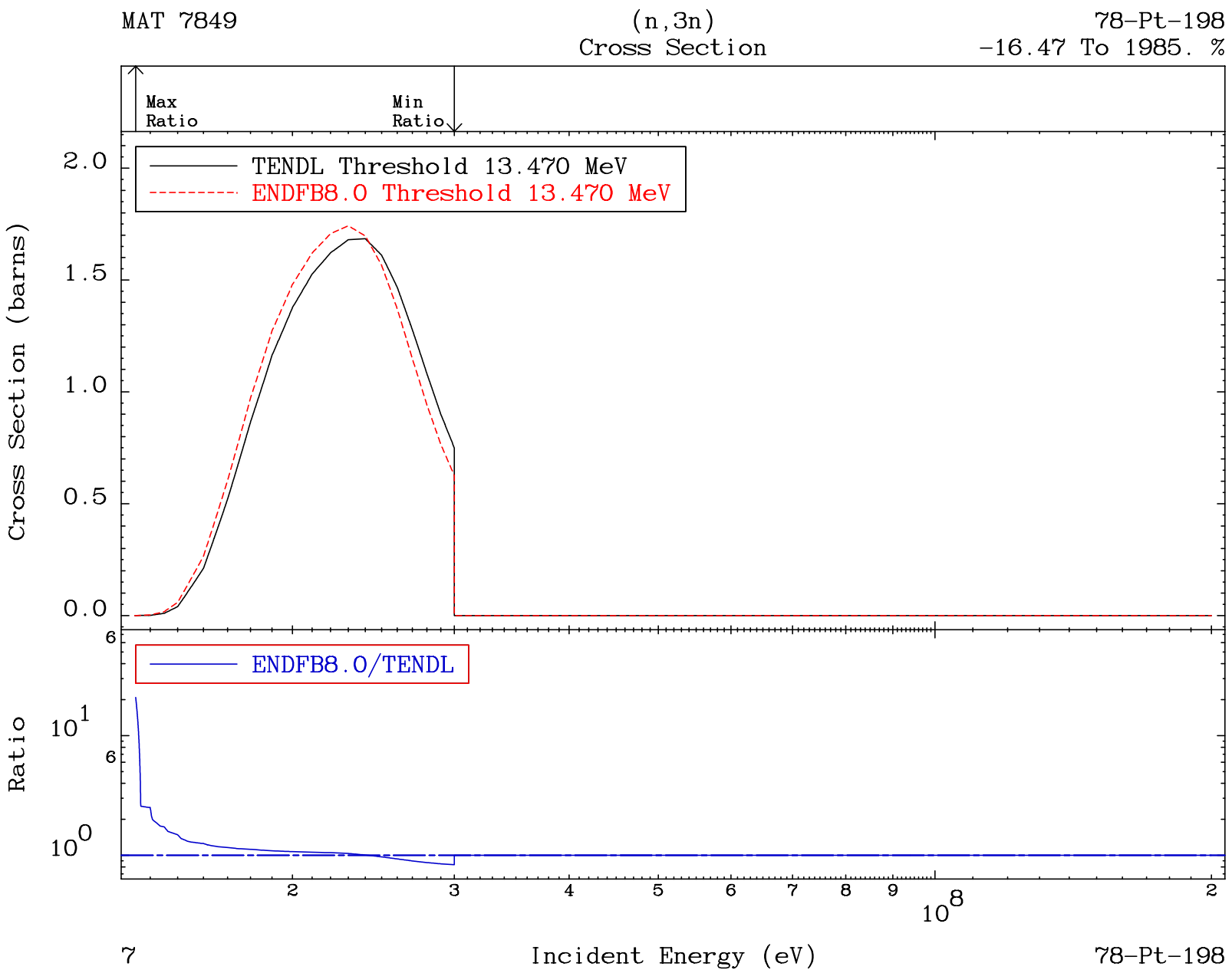

MAT 7849
Elastic
Cross Section
78-Pt-198
-99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
2
78-Pt-198

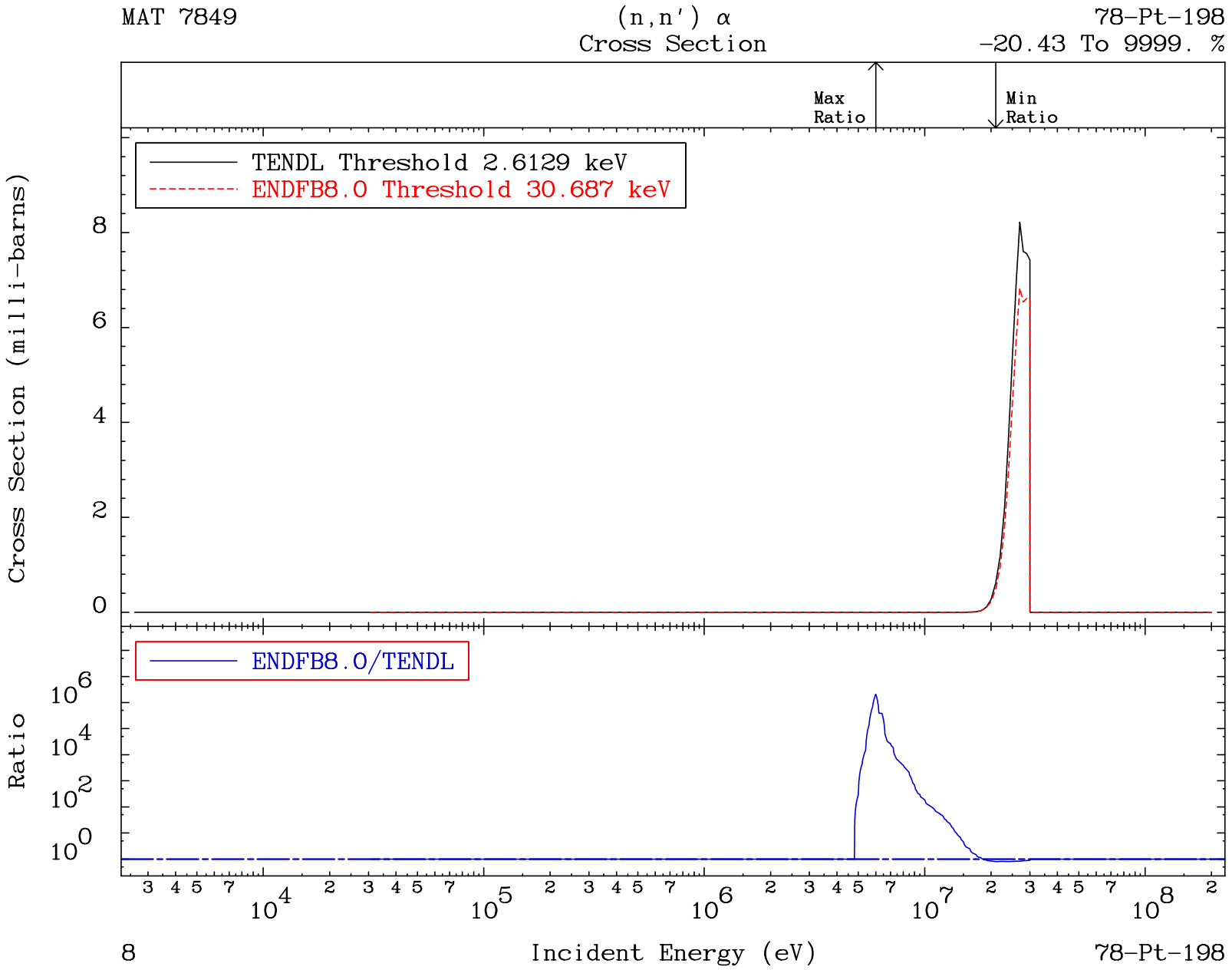

MAT 7849
Inelastic
Cross Section
78-Pt-198
-14.17 To 0.026 %
Max
Ratio
Min
Ratio
TENDL Threshold 409.30 keV
ENDFB8.0 Threshold 409.30 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.00
0.95
0.90
0.85
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
3
78-Pt-198

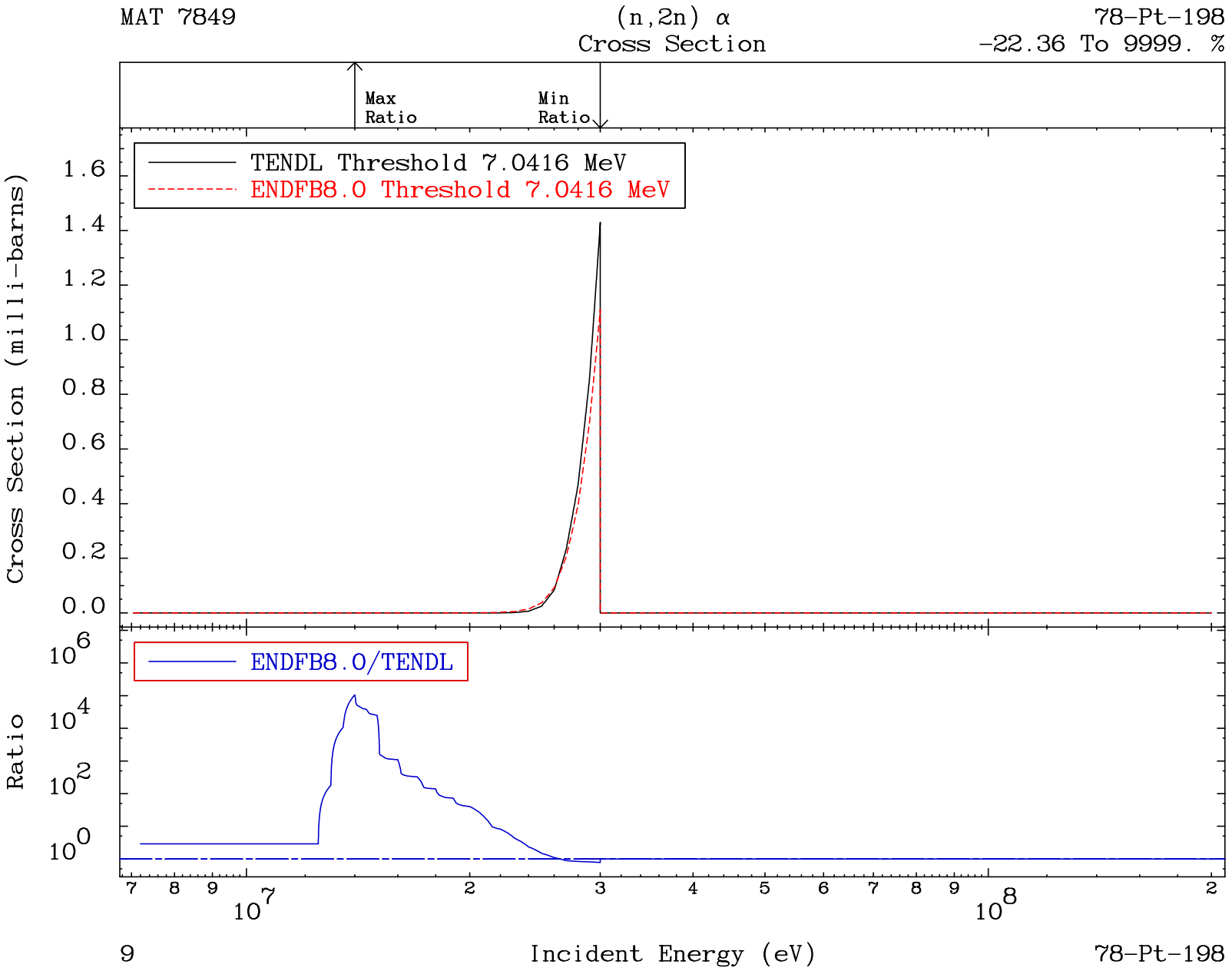

MAT 7849
(n,remainder)
Cross Section
78-Pt-198
-0.015 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
ENDFB8.0 Threshold 30.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
78-Pt-198

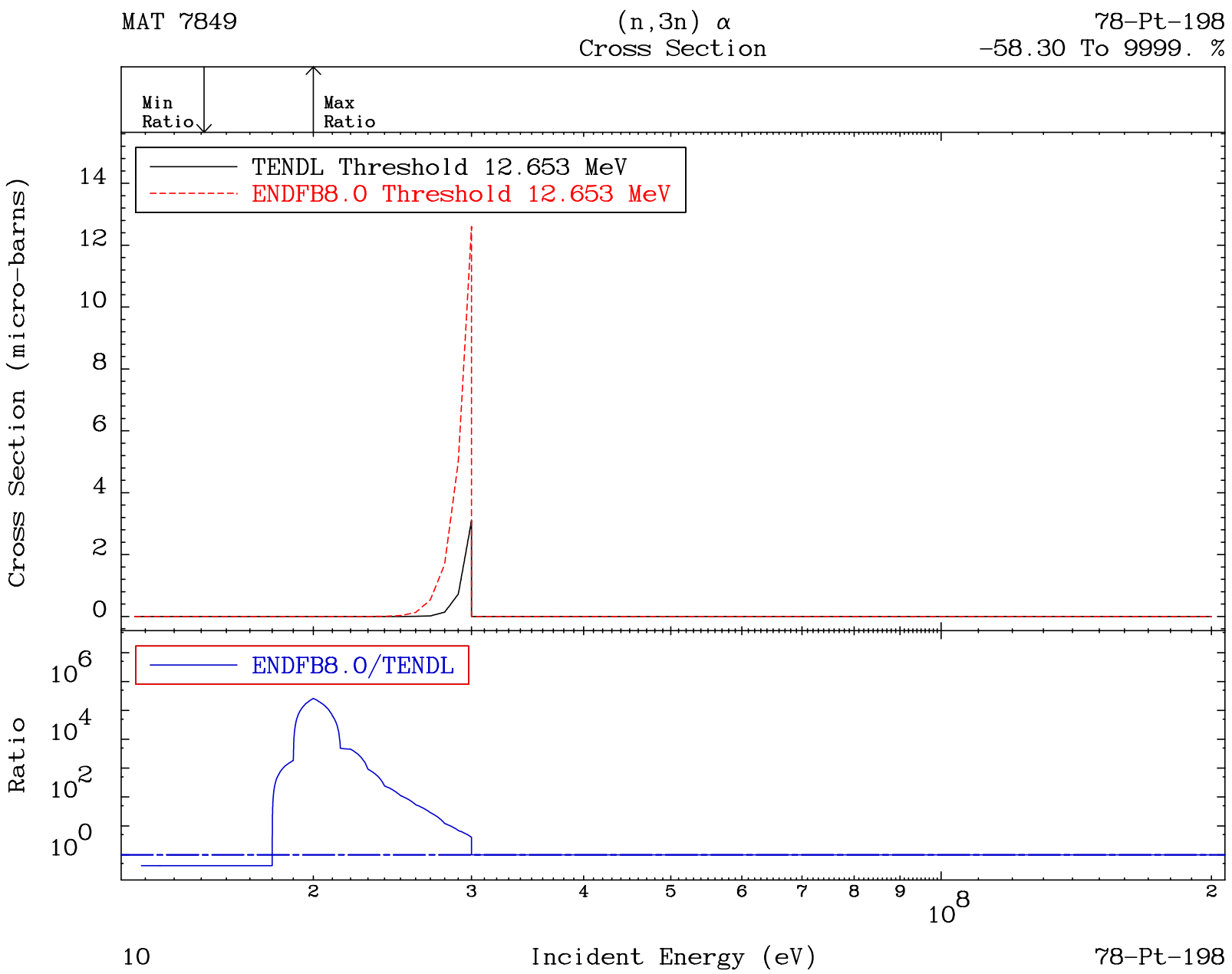

MAT 7849
(n,2n) d
Cross Section
78-Pt-198
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 19.518 MeV
ENDFB8.0 Threshold 19.518 MeV
Cross Section (micro-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
78-Pt-198

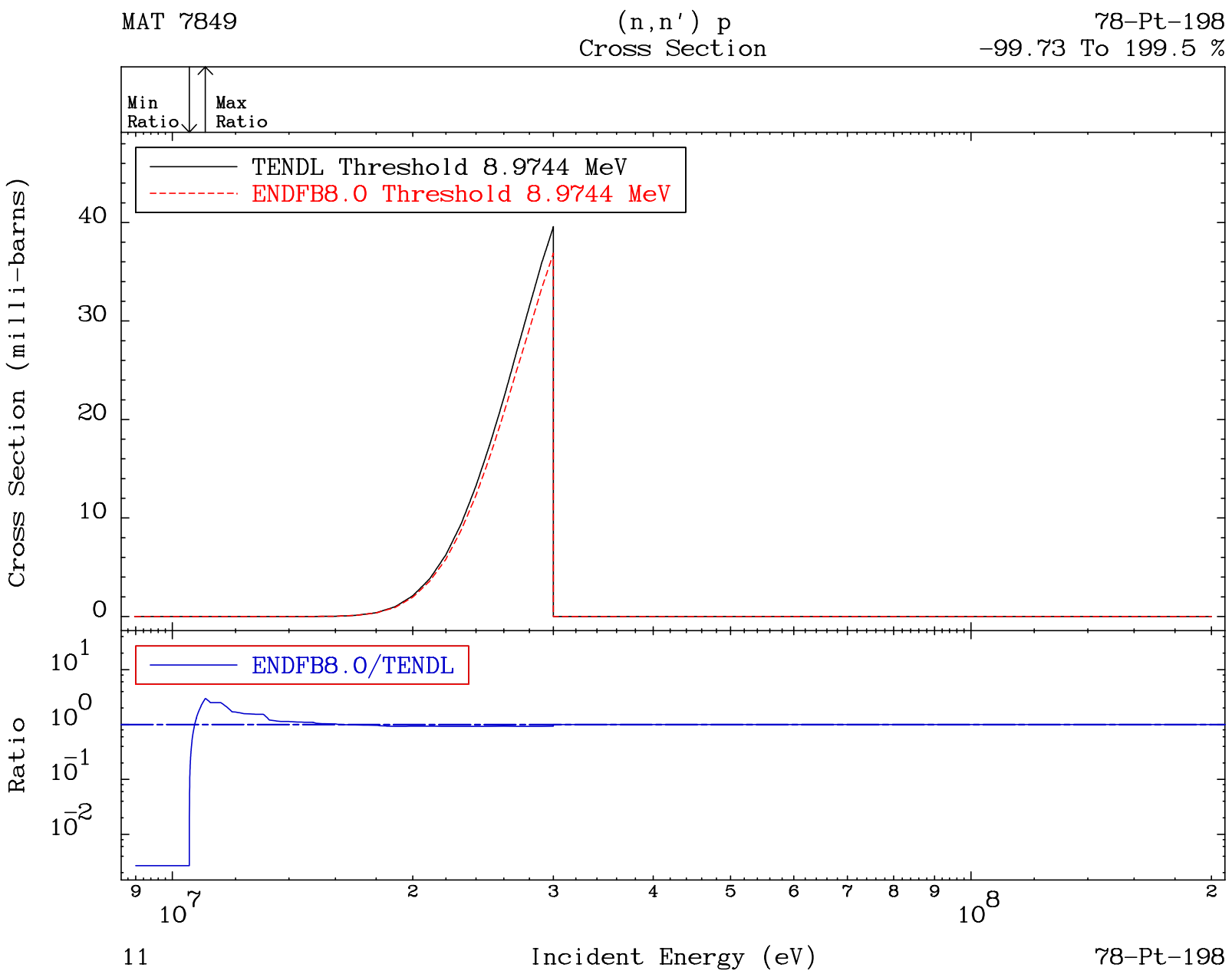

MAT 7849
(n,2n)
Cross Section
78-Pt-198
-11.32 To 195.0 %
Max Ratio
Min Ratio
TENDL Threshold 7.5941 MeV
ENDFB8.0 Threshold 7.5941 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
78-Pt-198

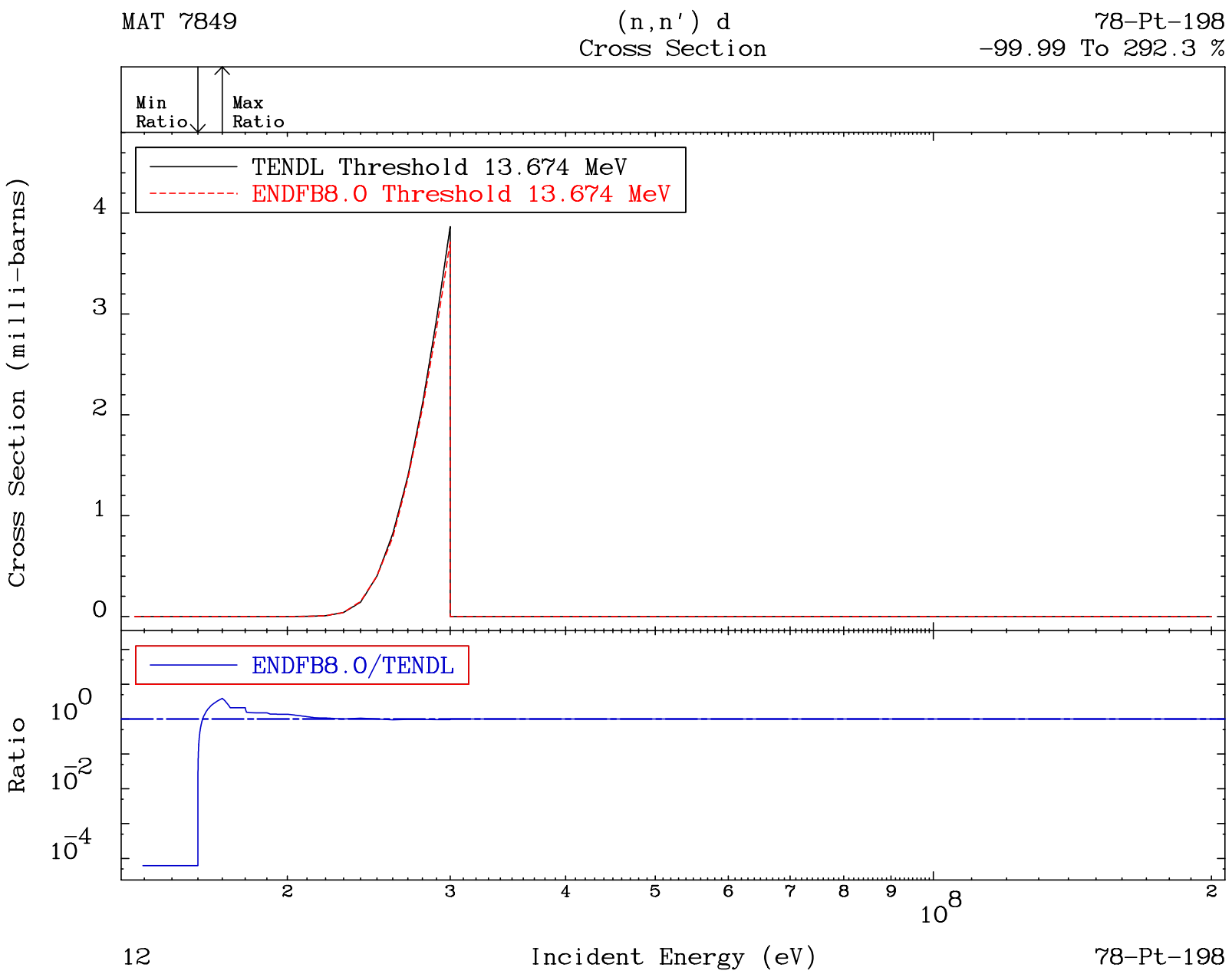

MAT 7849
(n,3n)
Cross Section
78-Pt-198
-16.47 To 1985. %
Max Ratio
Min Ratio
TENDL Threshold 13.470 MeV
ENDFB8.0 Threshold 13.470 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
78-Pt-198

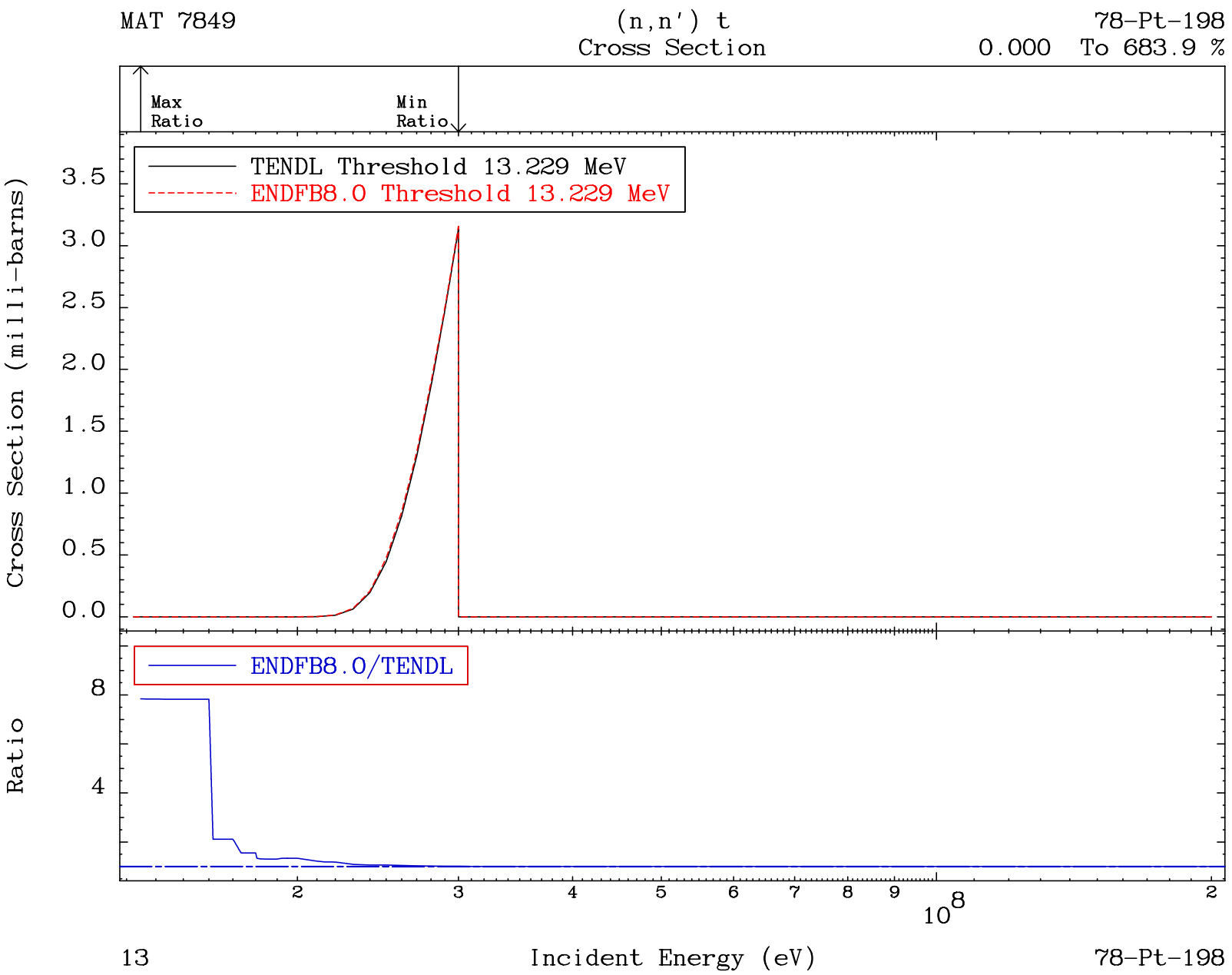

MAT 7849
(n,n') α
Cross Section
78-Pt-198
-20.43 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6129 keV
ENDFB8.0 Threshold 30.687 keV
Cross Section (milli-barns)
0
2
4
6
8
ENDFB8.0/TENDL
Ratio
10^0
10^2
10^4
10^6
3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
8
78-Pt-198

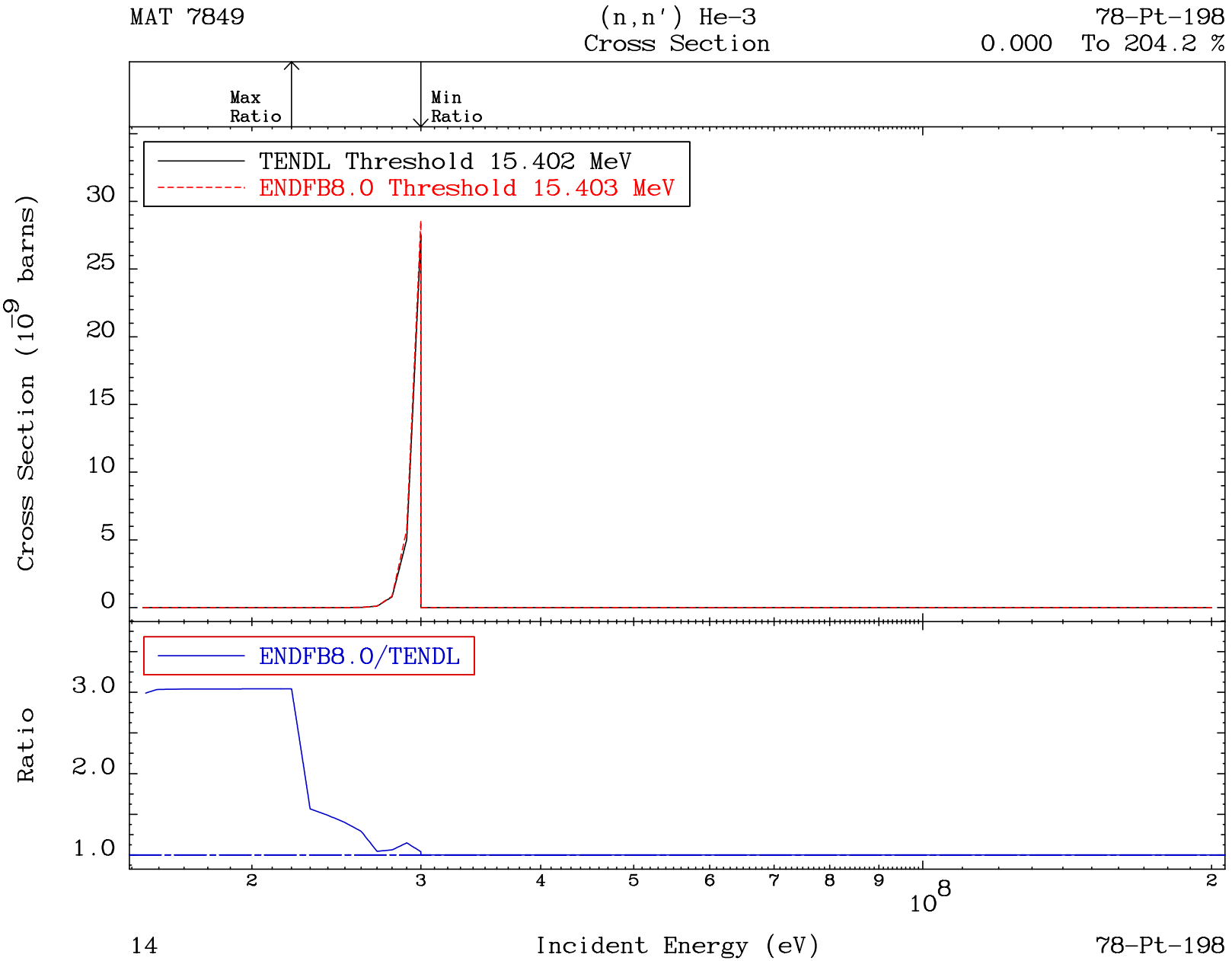

MAT 7849
(n,2n) α
Cross Section
78-Pt-198
-22.36 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.0416 MeV
ENDFB8.0 Threshold 7.0416 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^6
10^4
10^2
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
78-Pt-198

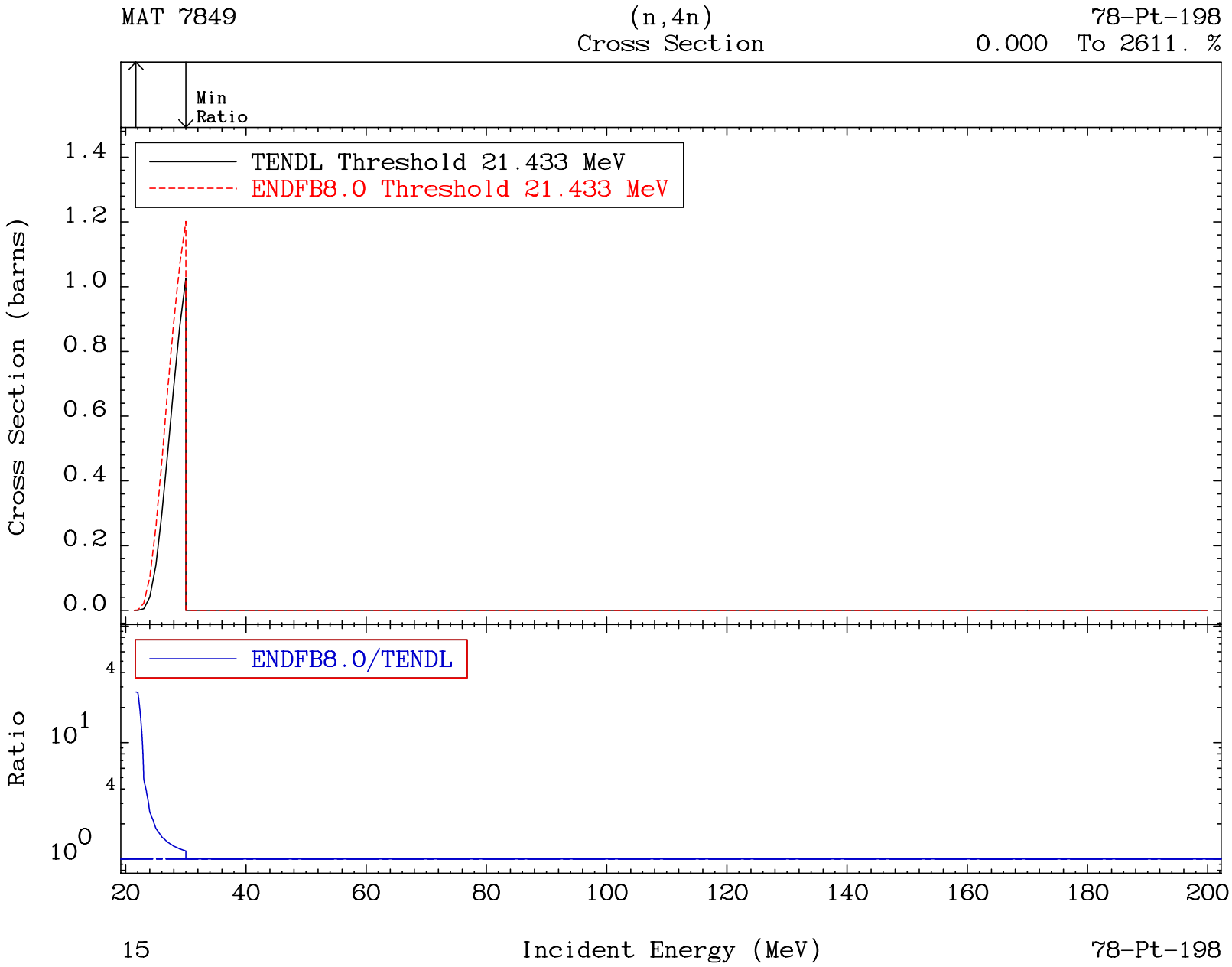

MAT 7849
(n,3n) α
Cross Section
78-Pt-198
-58.30 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.653 MeV
ENDFB8.0 Threshold 12.653 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
14
ENDFB8.0/TENDL
Ratio
10^0
10^2
10^4
10^6
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
78-Pt-198

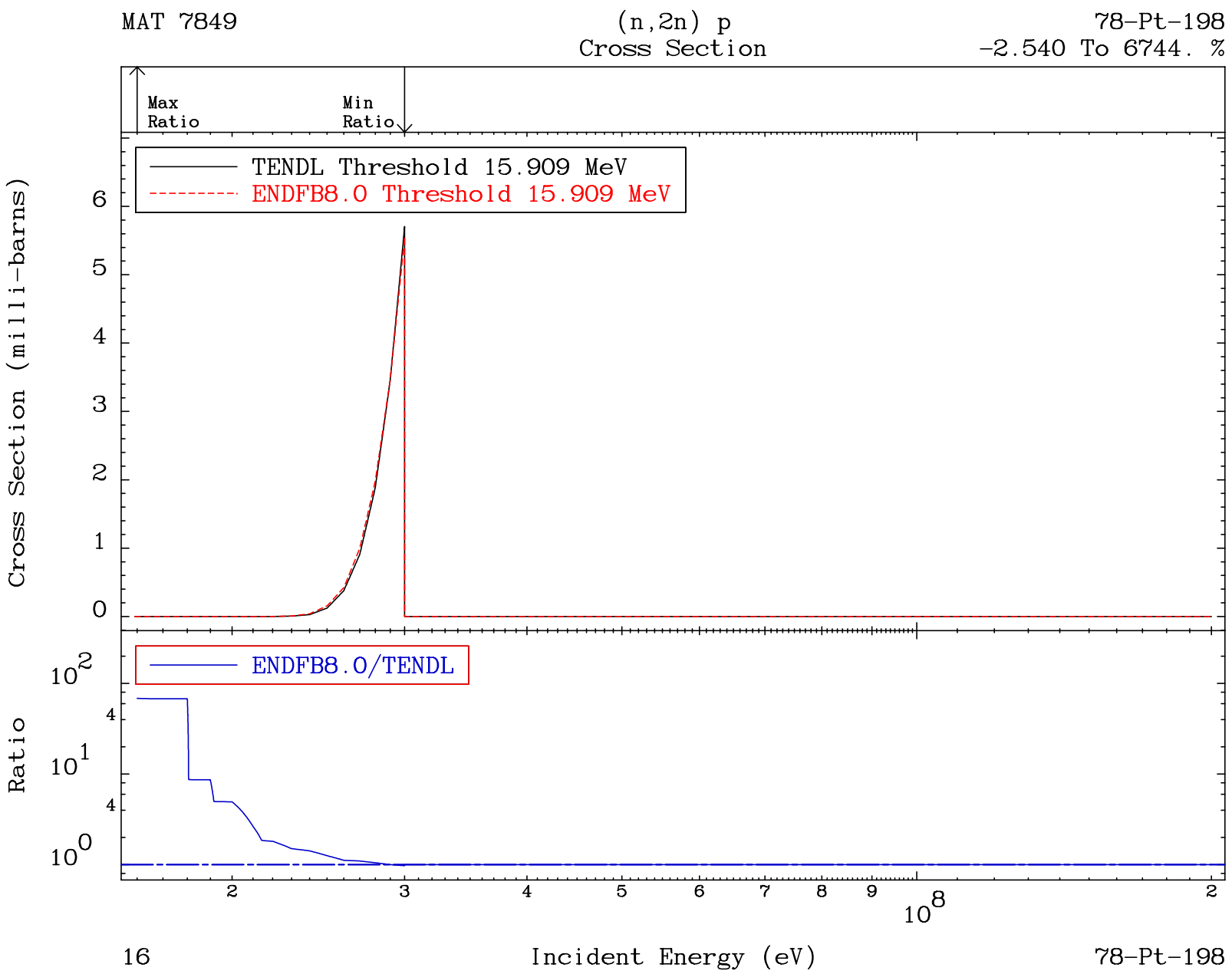

MAT 7849
(n,n') p
Cross Section
78-Pt-198
-99.73 To 199.5 %
Min Ratio
Max Ratio
TENDL Threshold 8.9744 MeV
ENDFB8.0 Threshold 8.9744 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
9
10^7
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
78-Pt-198

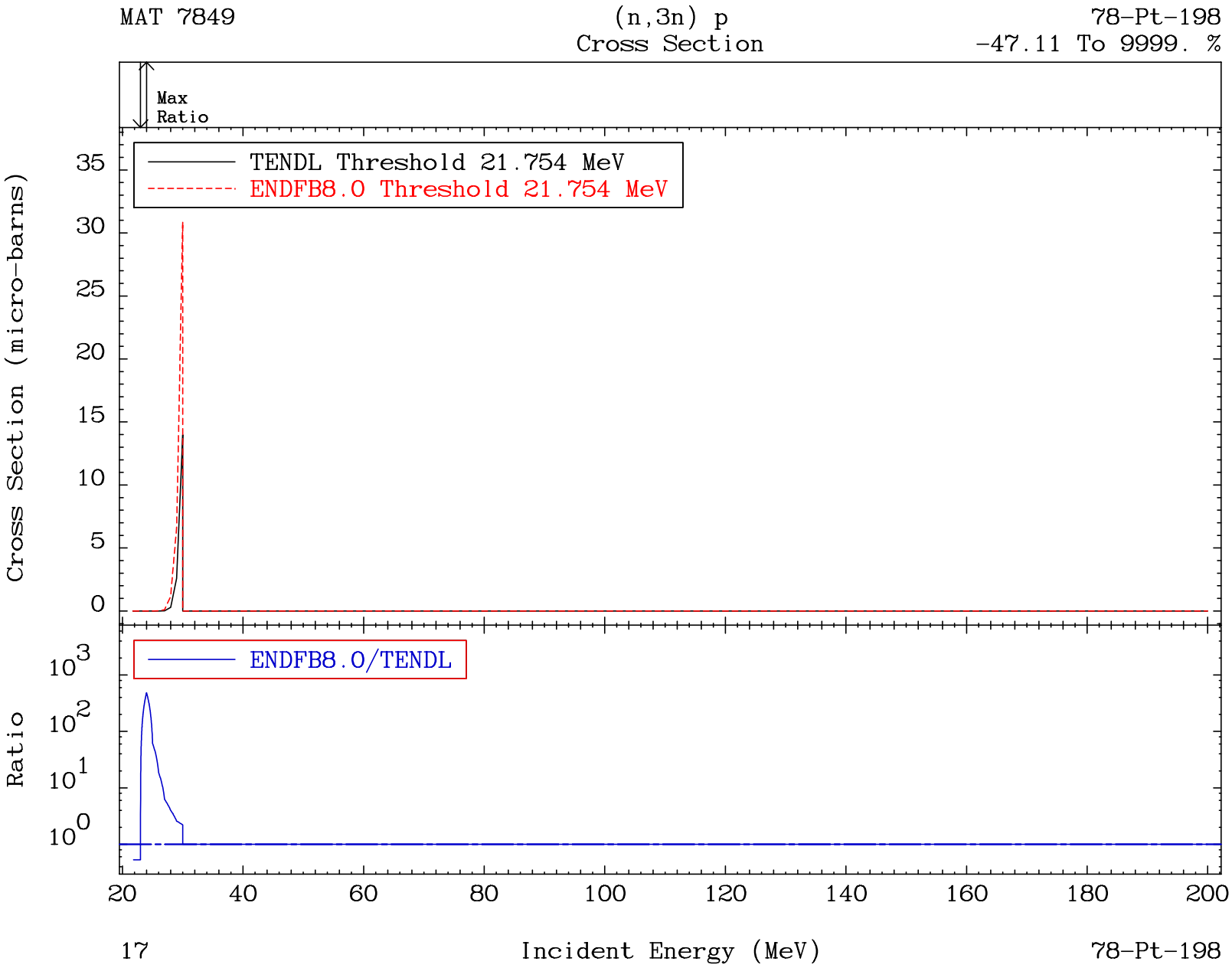

MAT 7849
(n,n') d
Cross Section
78-Pt-198
-99.99 To 292.3 %
Min Ratio
Max Ratio
TENDL Threshold 13.674 MeV
ENDFB8.0 Threshold 13.674 MeV
Cross Section (milli-barns)
0
1
2
3
4
ENDFB8.0/TENDL
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
78-Pt-198

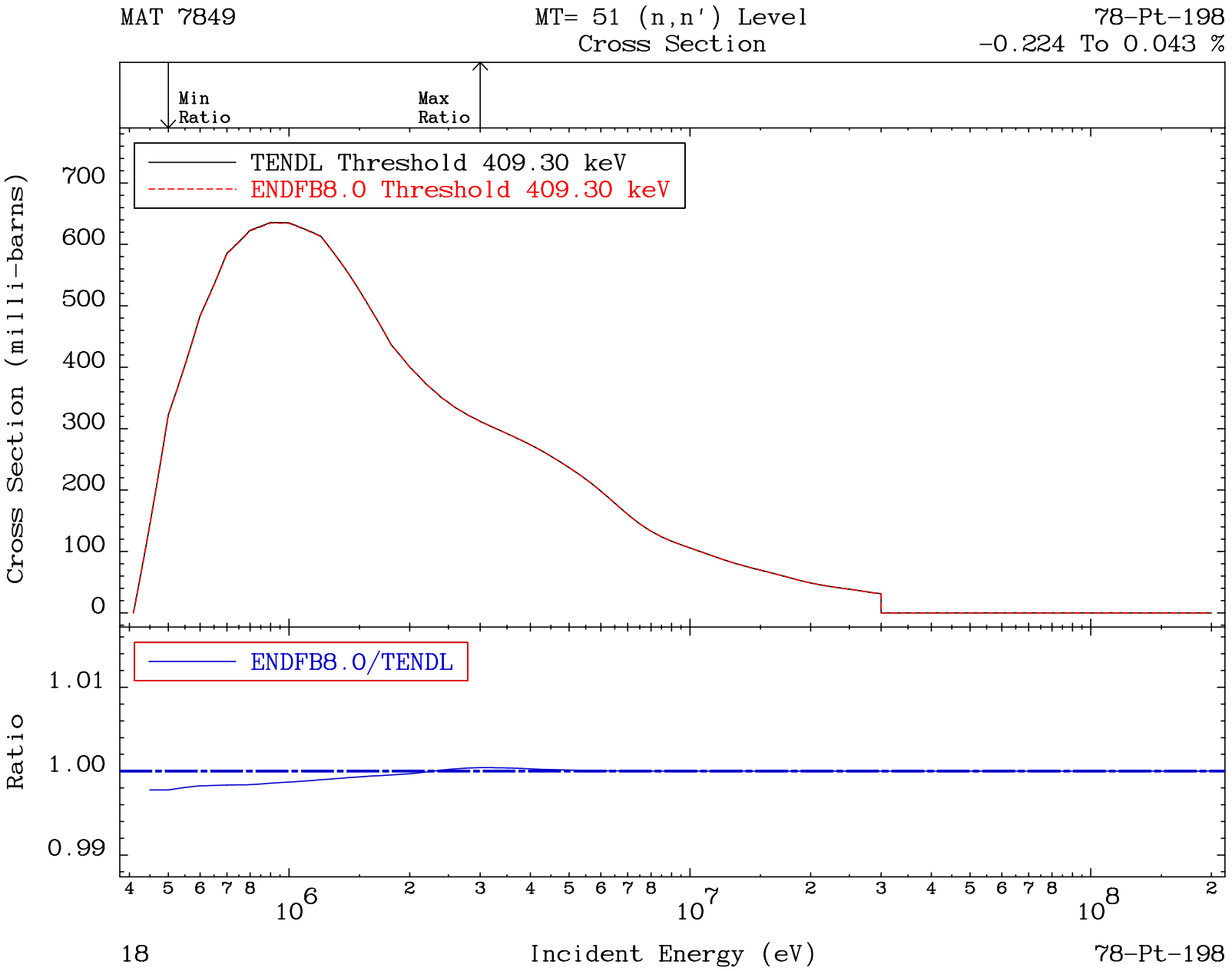

MAT 7849
(n,n') t
Cross Section
78-Pt-198
0.000 To 683.9 %
Max Ratio
Min Ratio
TENDL Threshold 13.229 MeV
ENDFB8.0 Threshold 13.229 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
8
4
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
78-Pt-198

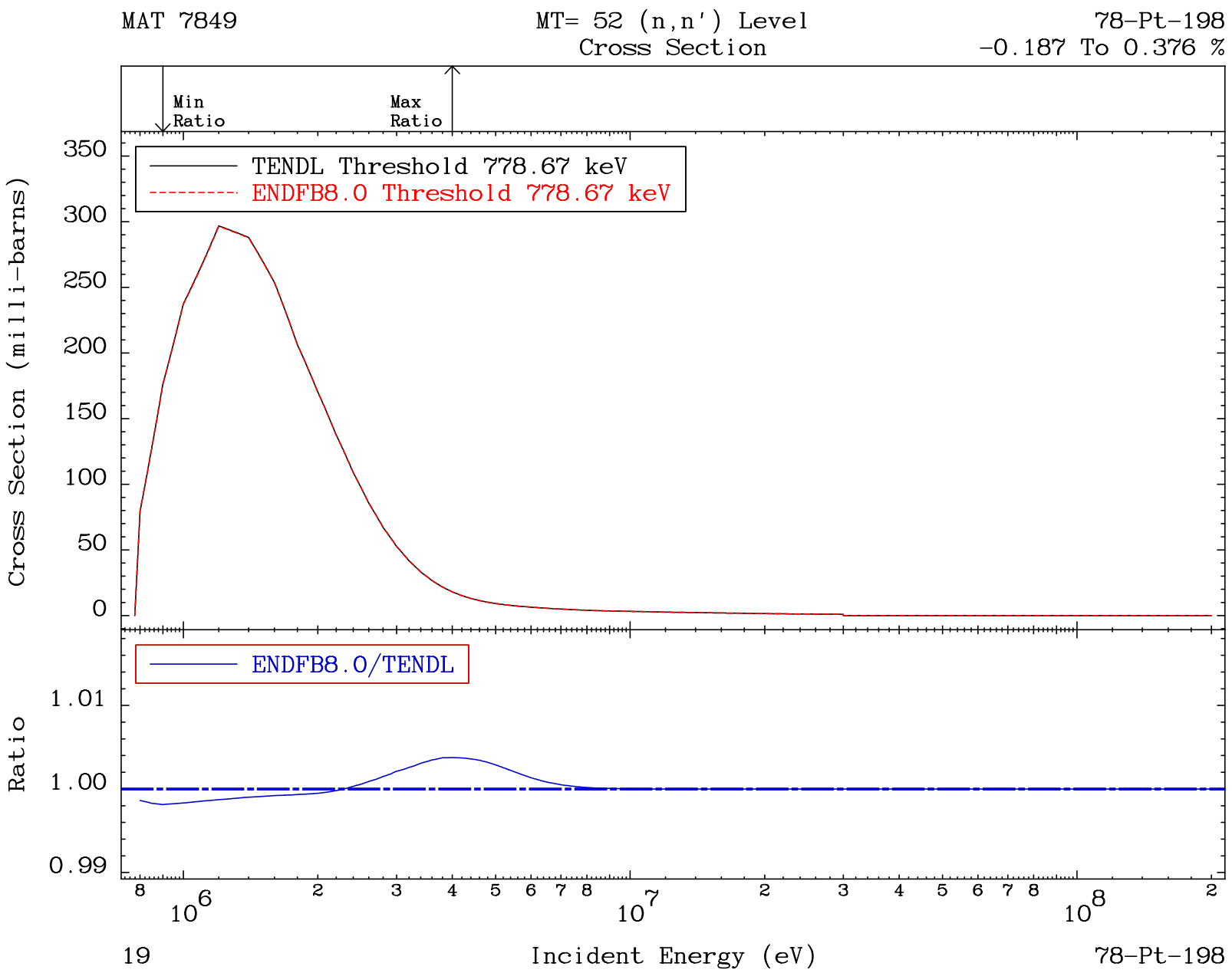

MAT 7849
(n,n') He-3
Cross Section
78-Pt-198
0.000 To 204.2 %
Max Ratio
Min Ratio
TENDL Threshold 15.402 MeV
ENDFB8.0 Threshold 15.403 MeV
Cross Section (10^-9 barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
78-Pt-198

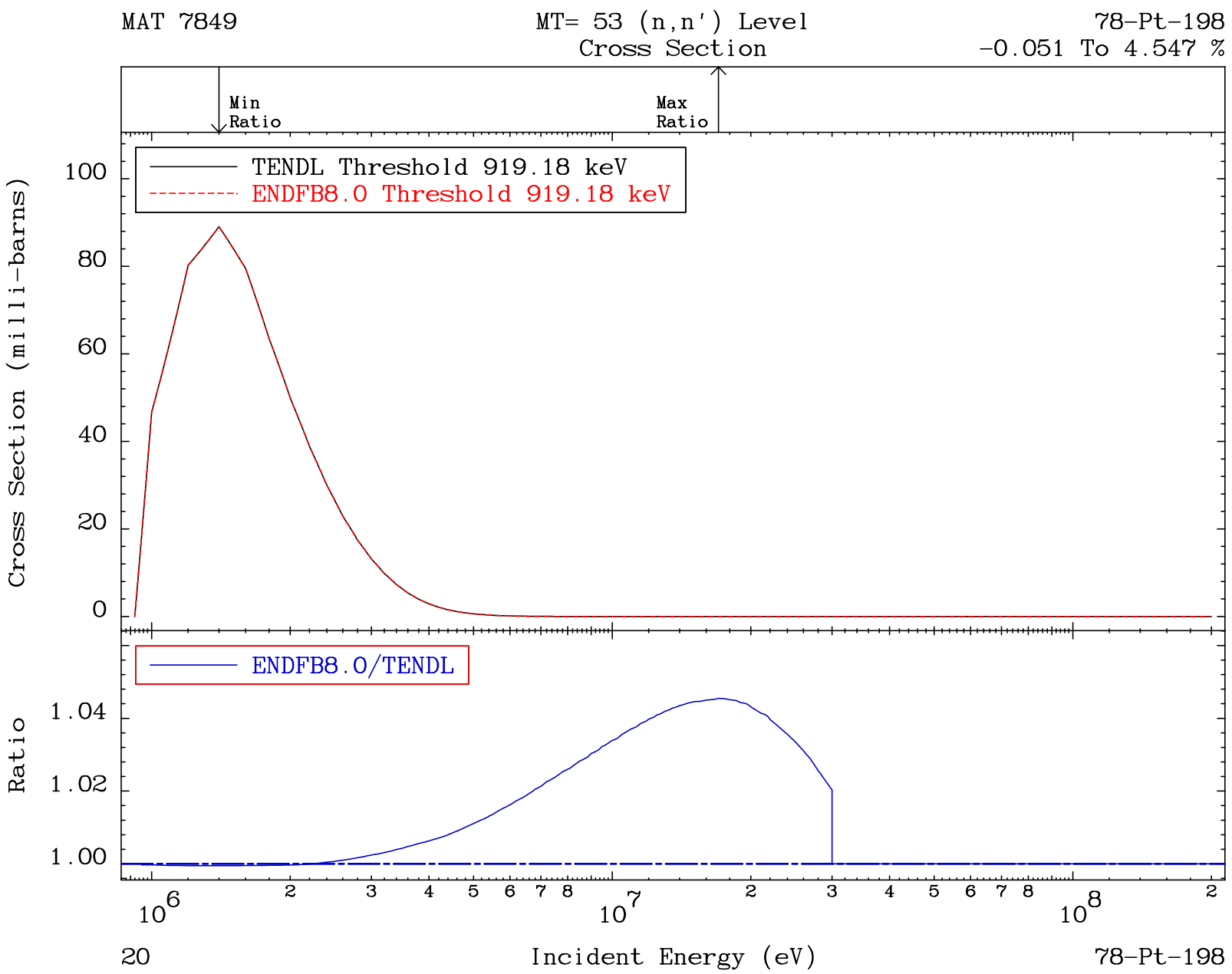

MAT 7849
(n,4n)
Cross Section
78-Pt-198
0.000 To 2611. %
Min
Ratio
TENDL Threshold 21.433 MeV
ENDFB8.0 Threshold 21.433 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
4
10^1
4
10^0
20
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
78-Pt-198

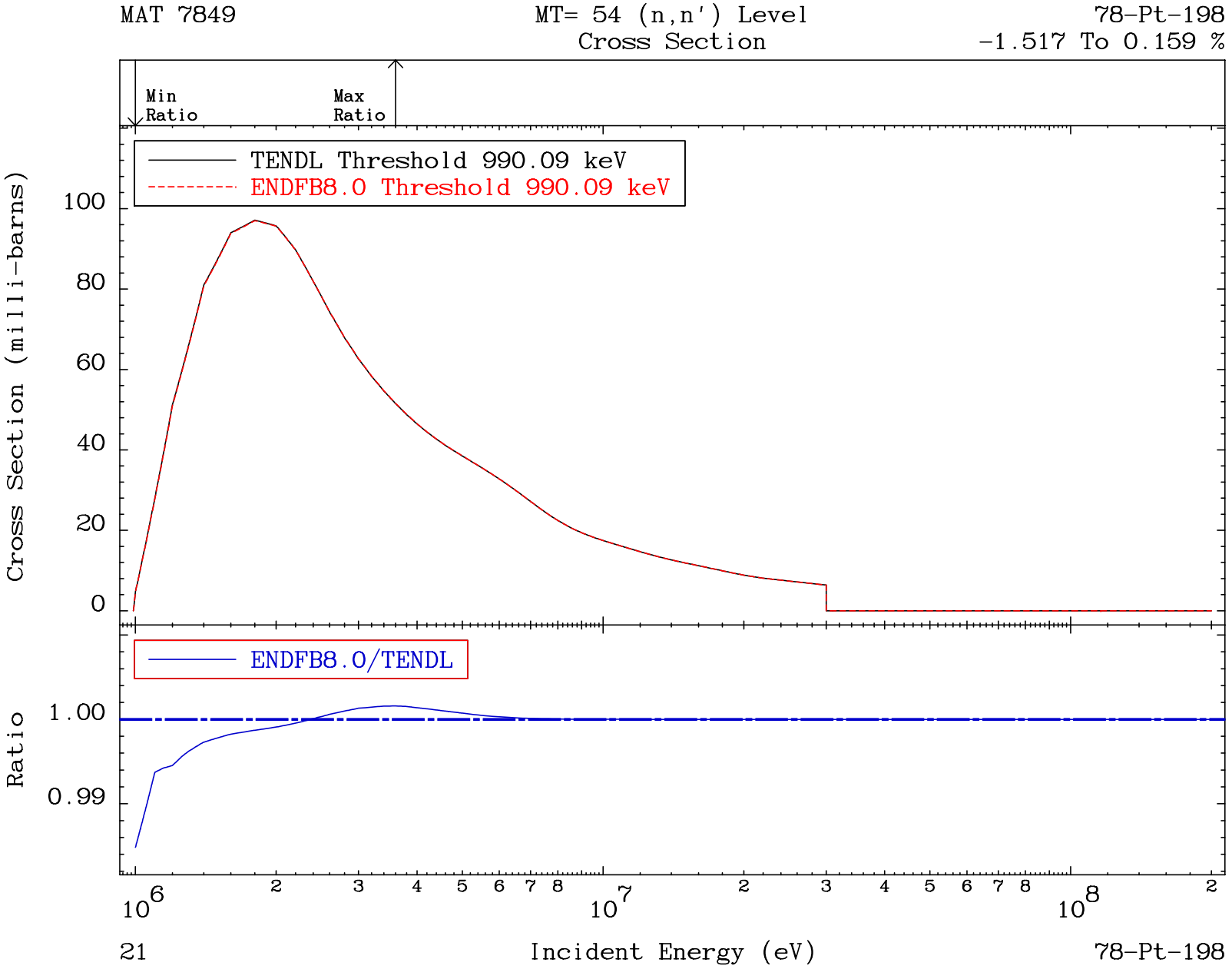

MAT 7849
(n,2n) p
Cross Section
78-Pt-198
-2.540 To 6744. %
Max Ratio
Min Ratio
TENDL Threshold 15.909 MeV
ENDFB8.0 Threshold 15.909 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
16
78-Pt-198

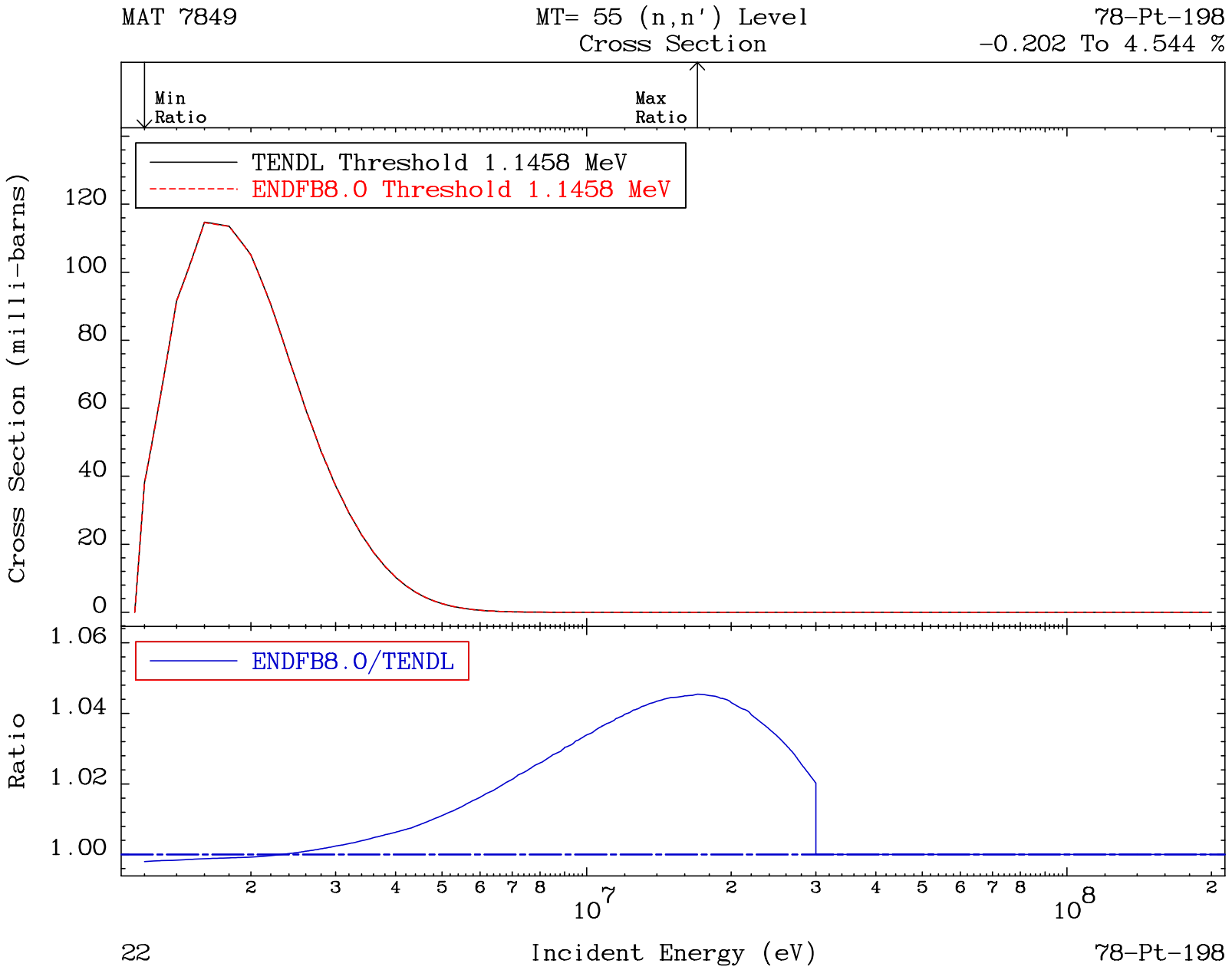

MAT 7849
(n,3n) p
Cross Section
78-Pt-198
-47.11 To 9999. %
Max
Ratio
TENDL Threshold 21.754 MeV
ENDFB8.0 Threshold 21.754 MeV
Cross Section (micro-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^3
10^2
10^1
10^0
20
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
78-Pt-198

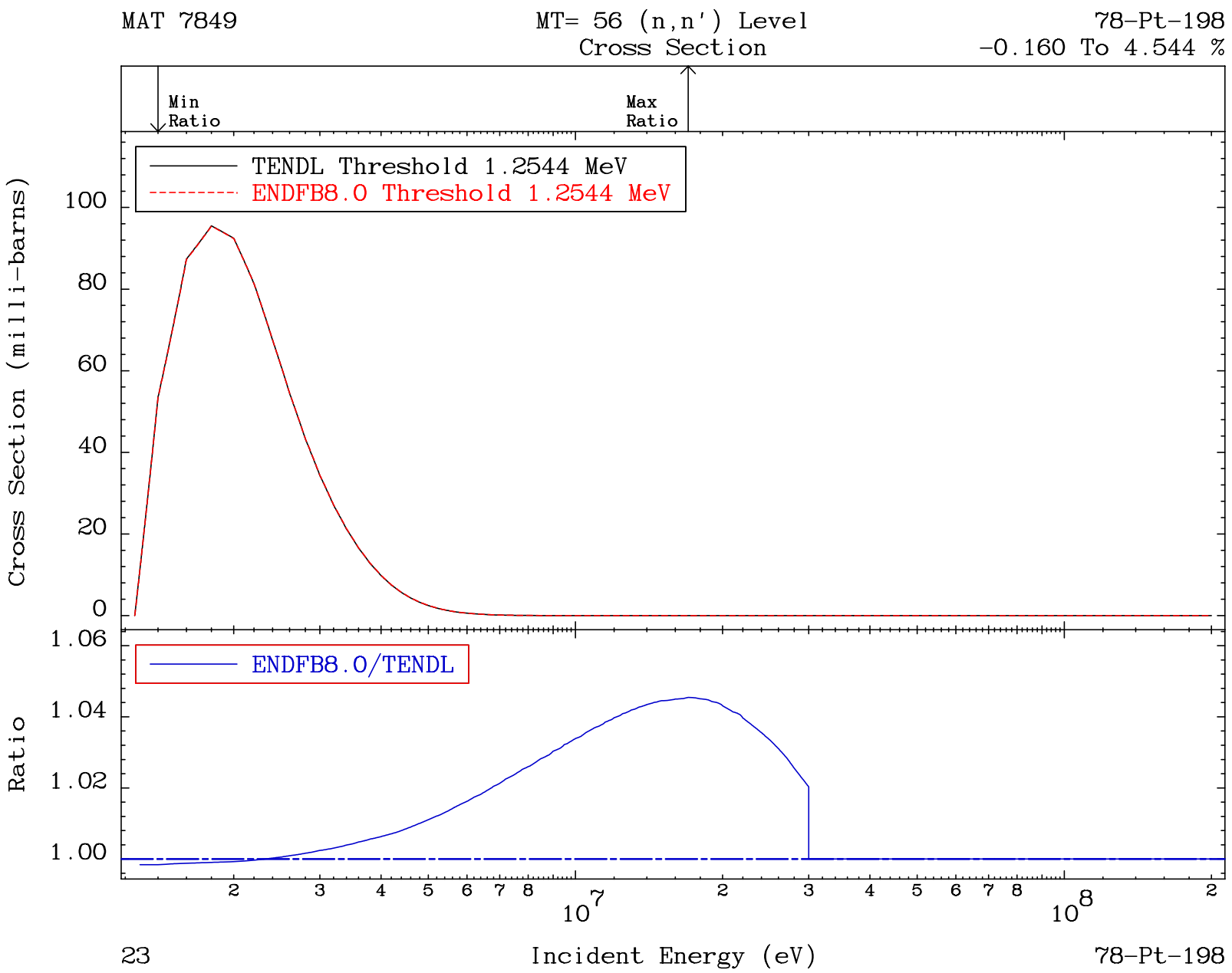

MAT 7849
MT= 51 (n,n') Level
Cross Section
78-Pt-198
-0.224 To 0.043 %
Min Ratio
Max Ratio
TENDL Threshold 409.30 keV
ENDFB8.0 Threshold 409.30 keV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
78-Pt-198

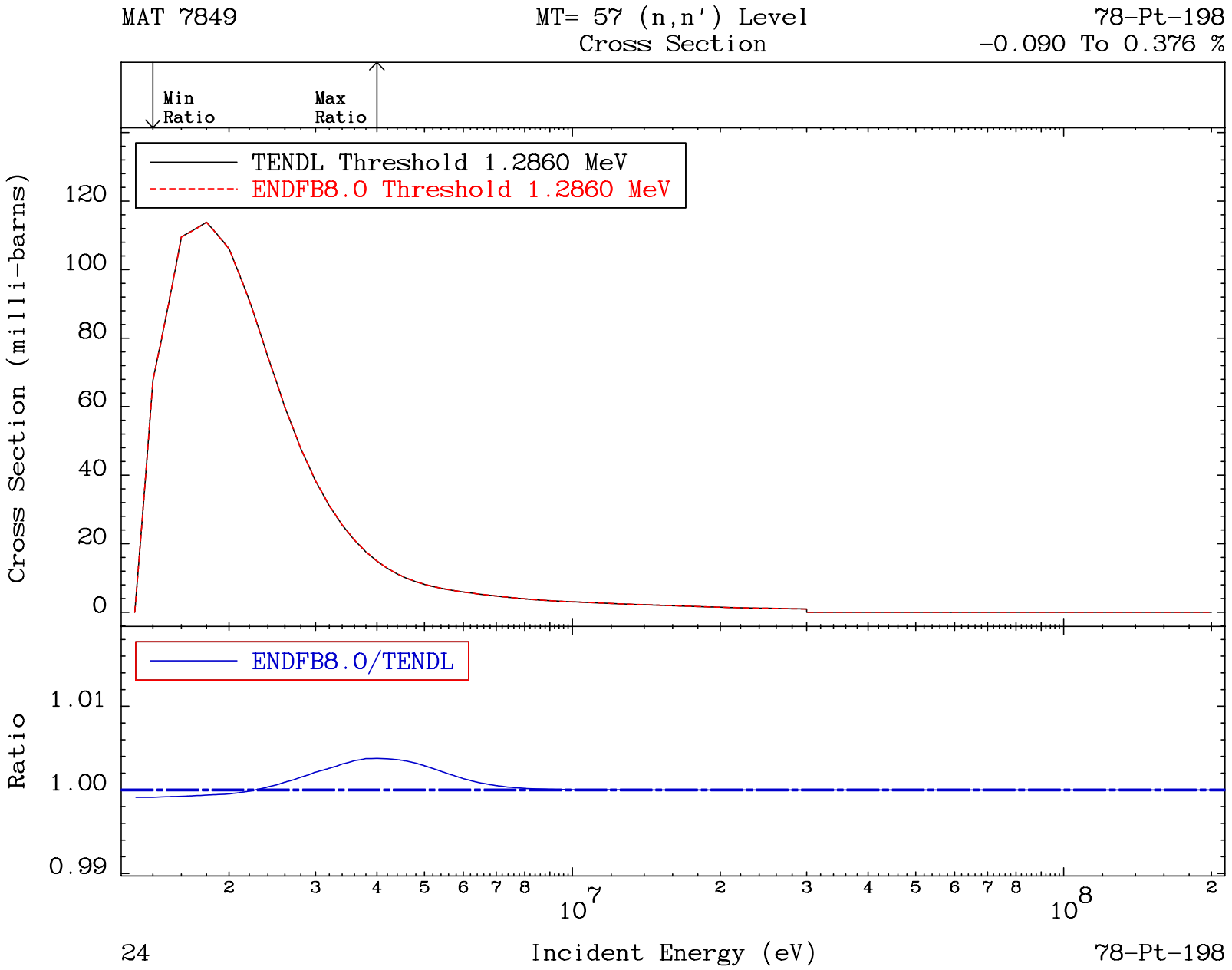

MAT 7849
MT= 52 (n,n') Level
Cross Section
78-Pt-198
-0.187 To 0.376 %
Min
Ratio
Max
Ratio
TENDL Threshold 778.67 keV
ENDFB8.0 Threshold 778.67 keV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
78-Pt-198

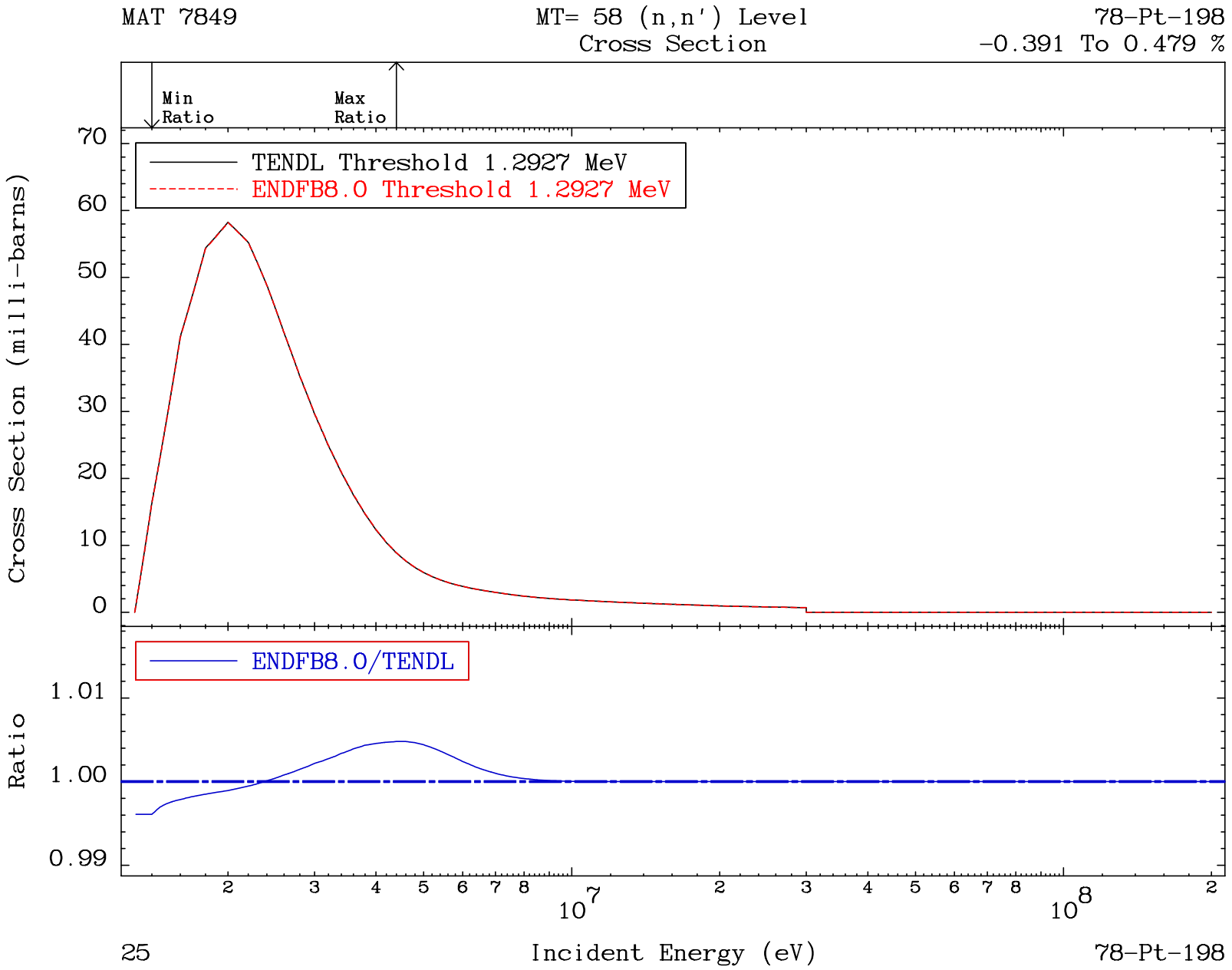

MAT 7849
MT= 53 (n,n') Level
Cross Section
78-Pt-198
-0.051 To 4.547 %
Min
Ratio
Max
Ratio
TENDL Threshold 919.18 keV
ENDFB8.0 Threshold 919.18 keV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.04
1.02
1.00
10^6
10^7
10^8
Incident Energy (eV)
20
78-Pt-198

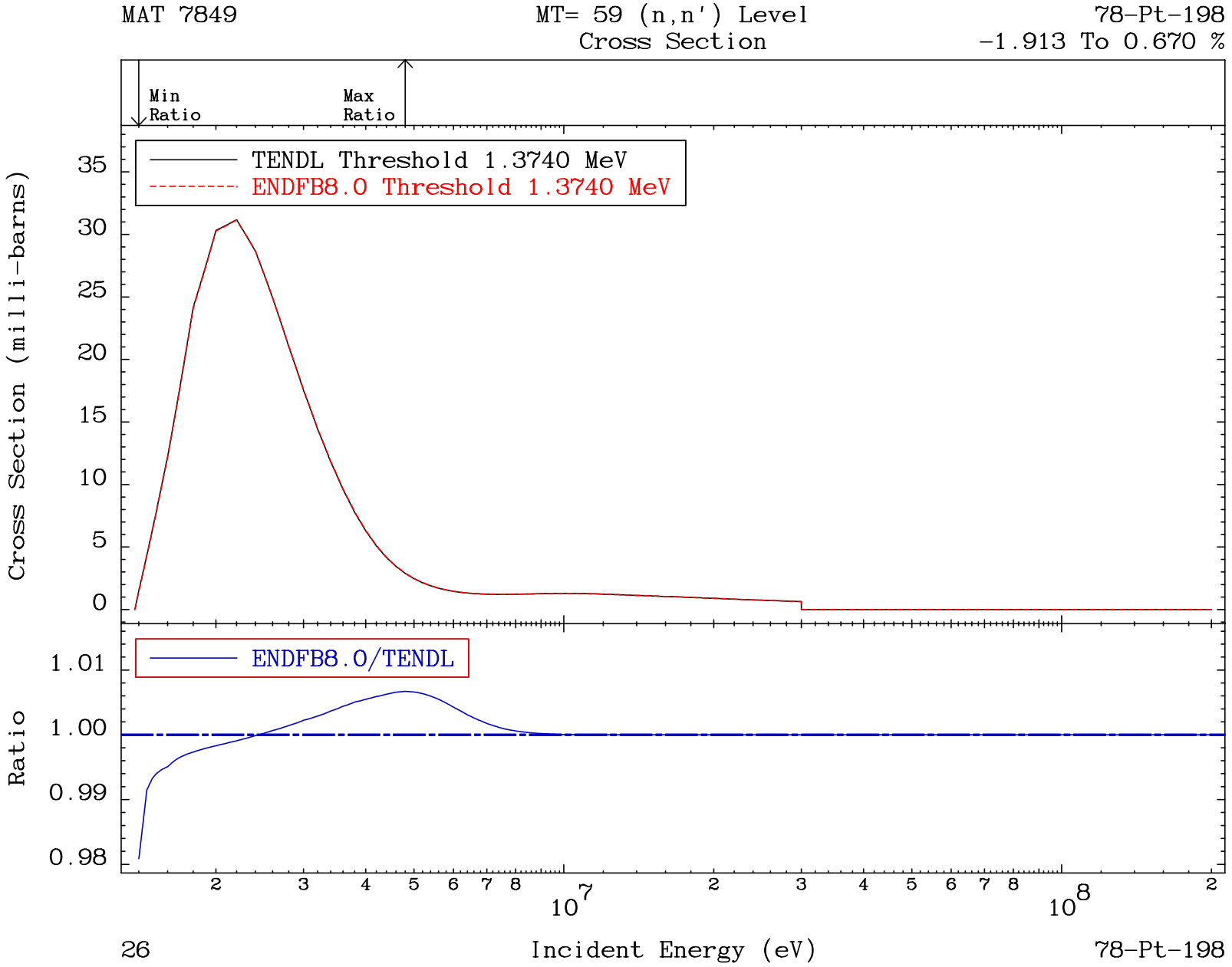

MAT 7849
MT= 54 (n,n') Level
Cross Section
78-Pt-198
-1.517 To 0.159 %
Min Ratio
Max Ratio
TENDL Threshold 990.09 keV
ENDFB8.0 Threshold 990.09 keV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.00
0.99
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
78-Pt-198

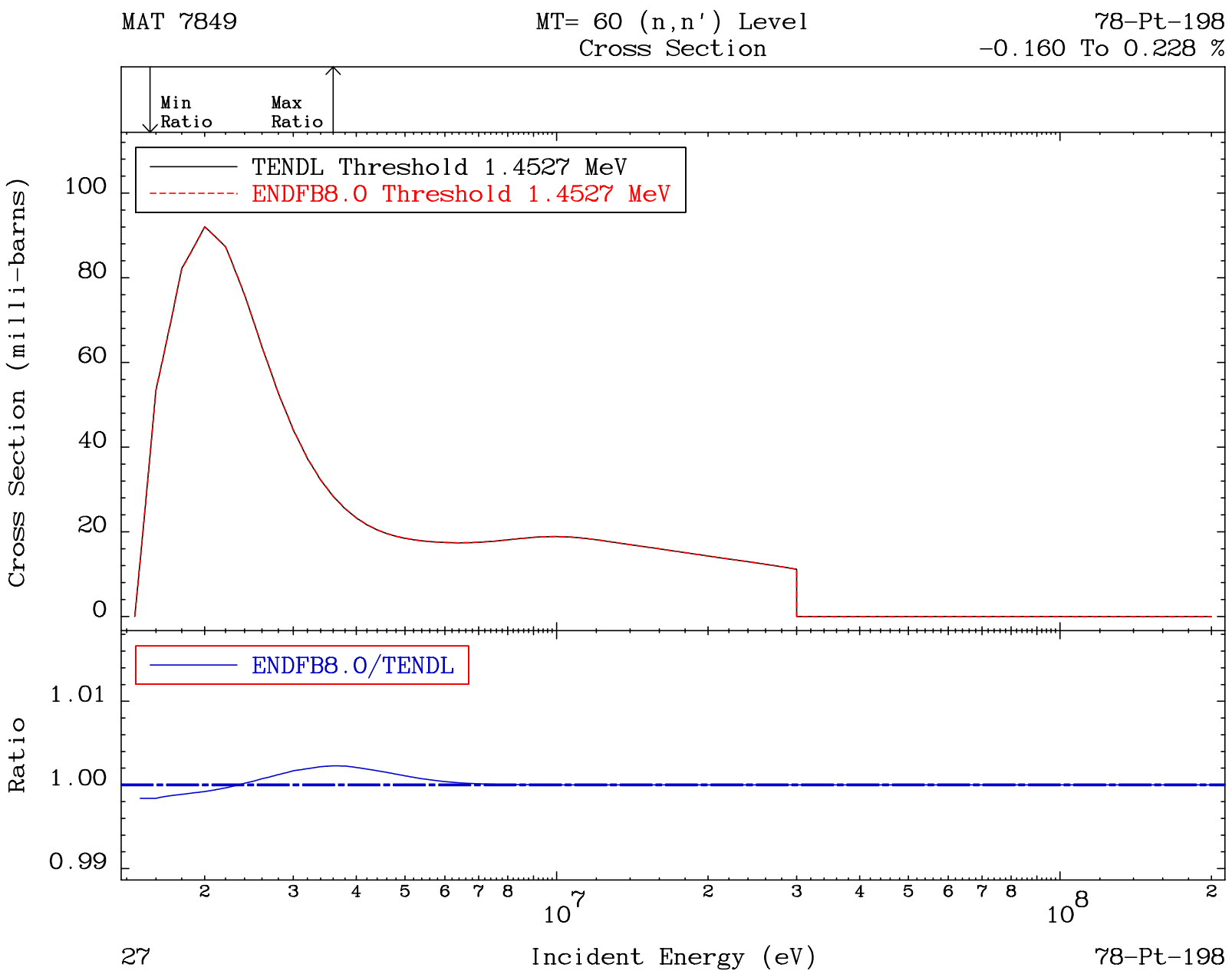

MAT 7849
MT= 55 (n,n') Level
Cross Section
78-Pt-198
-0.202 To 4.544 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1458 MeV
ENDFB8.0 Threshold 1.1458 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.06
1.04
1.02
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
78-Pt-198

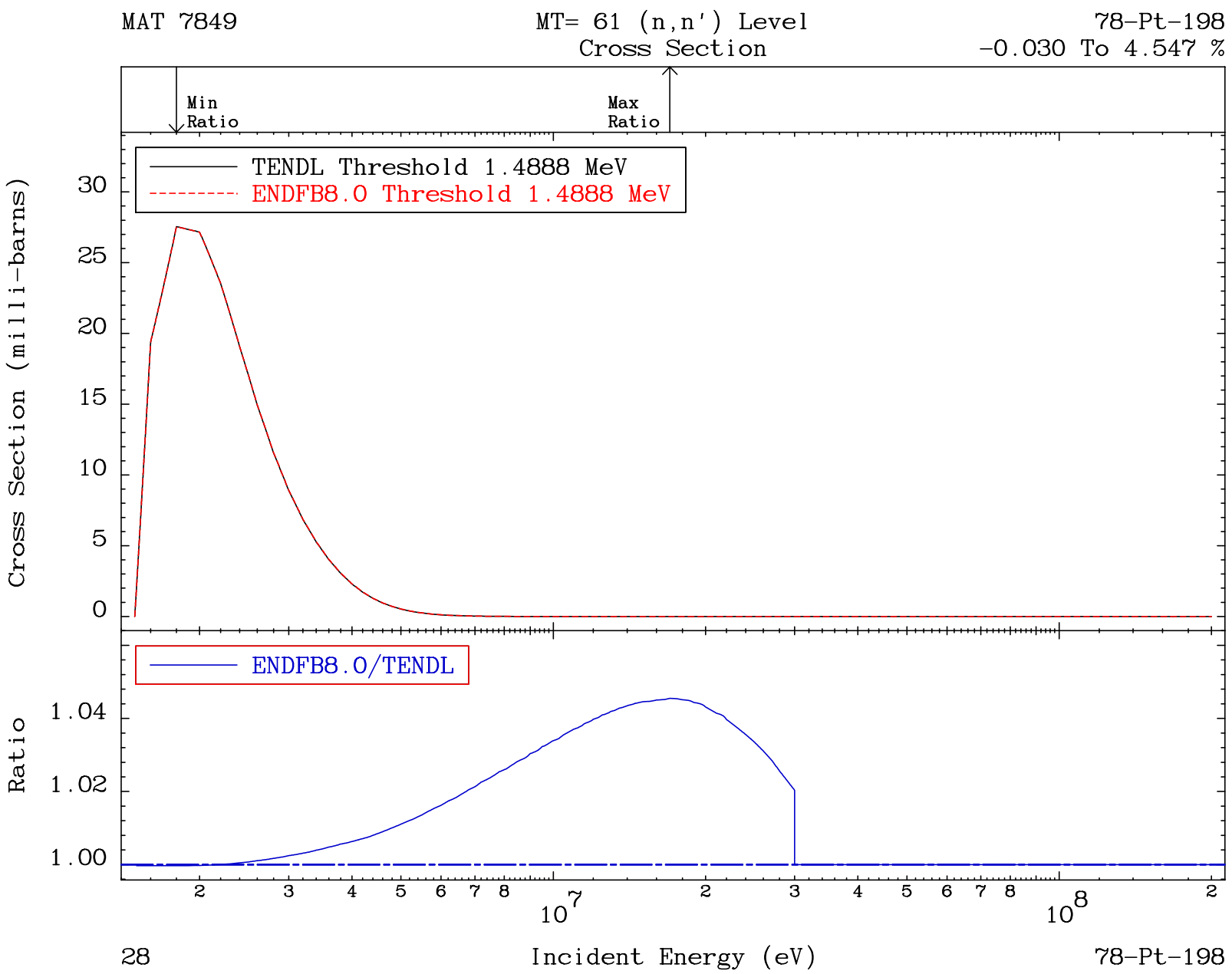

MAT 7849
MT= 56 (n,n') Level
Cross Section
78-Pt-198
-0.160 To 4.544 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.2544 MeV
ENDFB8.0 Threshold 1.2544 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.06
1.04
1.02
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
78-Pt-198

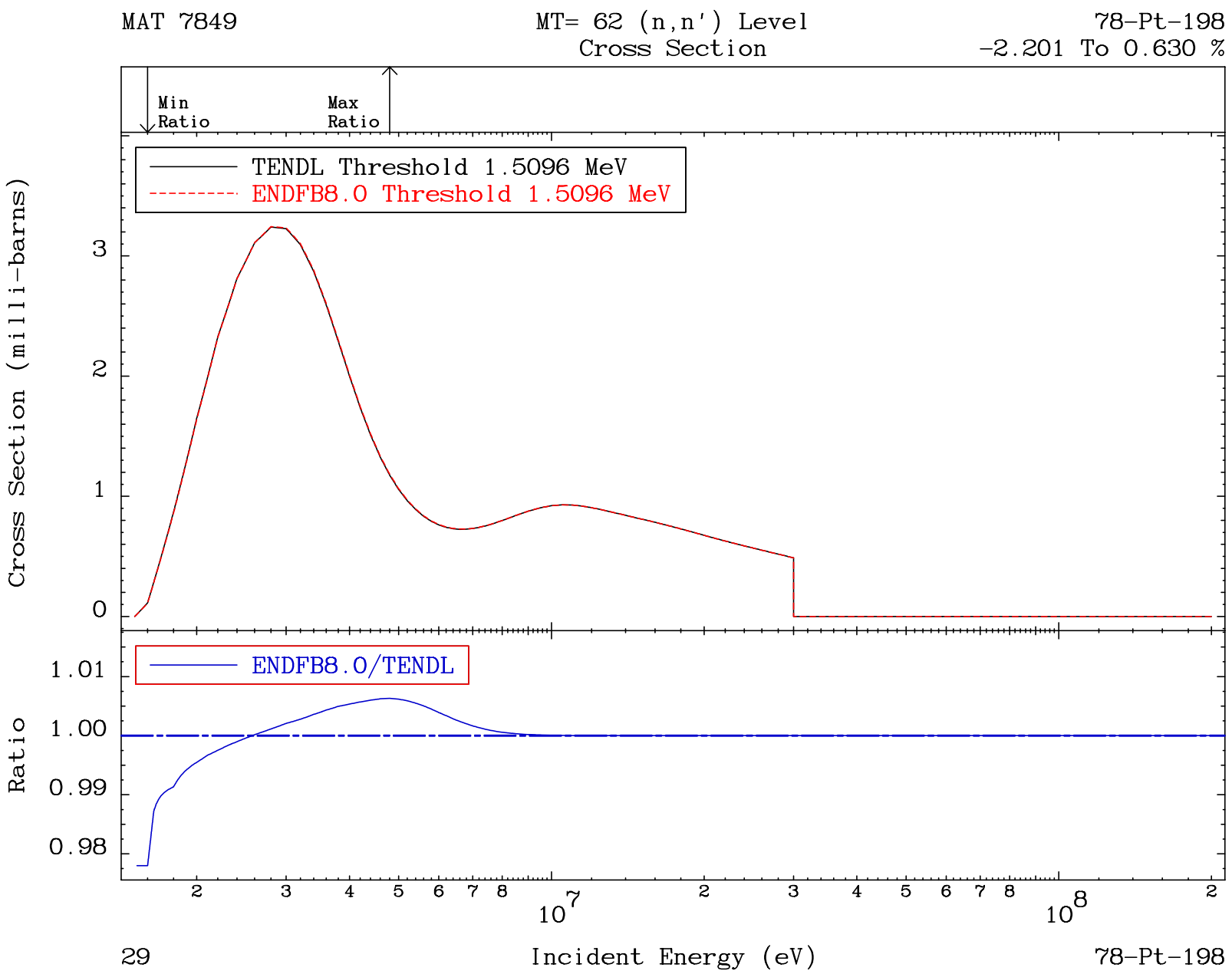

MAT 7849
MT= 57 (n,n') Level
Cross Section
78-Pt-198
-0.090 To 0.376 %
Min Ratio
Max Ratio
TENDL Threshold 1.2860 MeV
ENDFB8.0 Threshold 1.2860 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
78-Pt-198

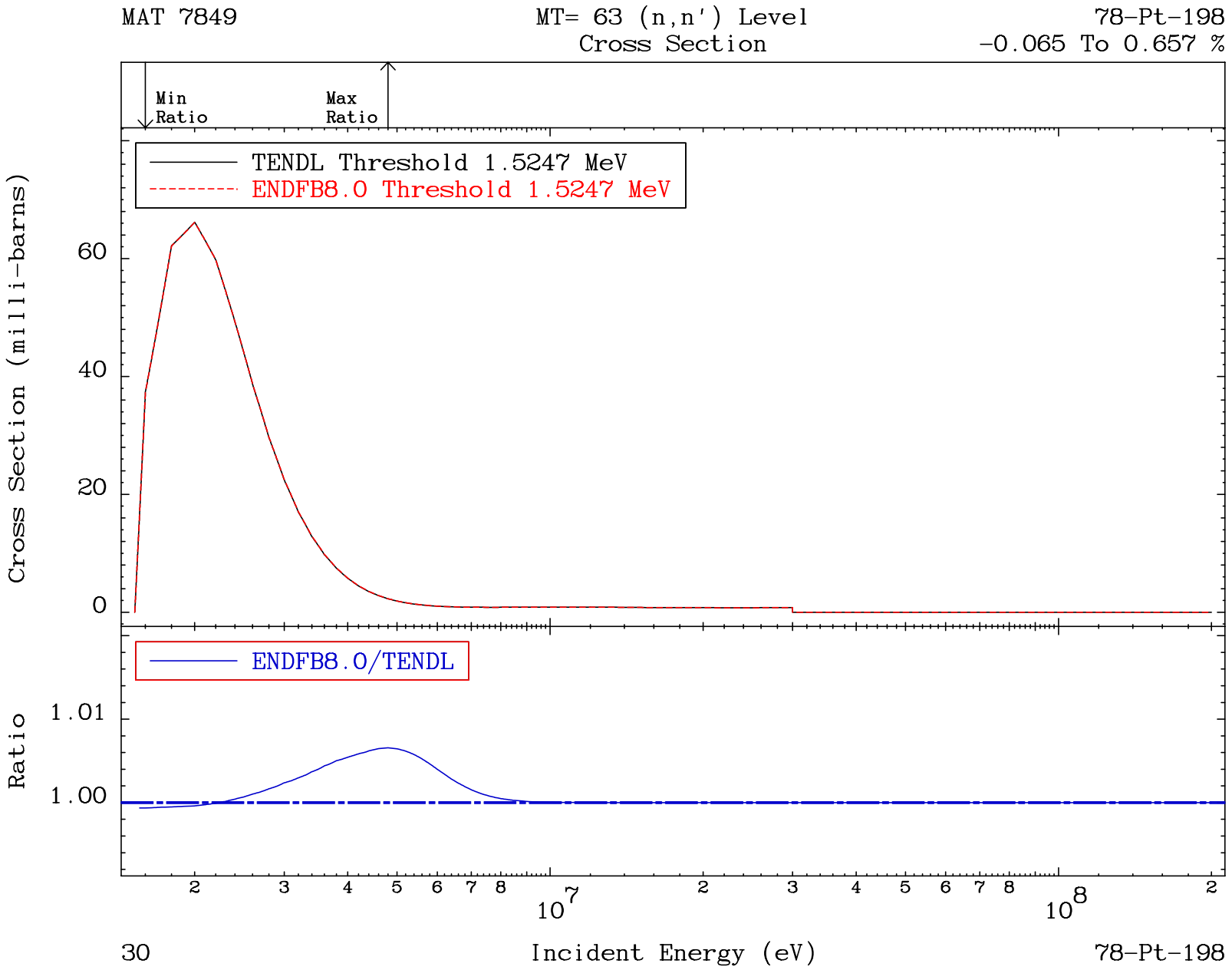

MAT 7849
MT= 58 (n,n') Level
Cross Section
78-Pt-198
-0.391 To 0.479 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.2927 MeV
ENDFB8.0 Threshold 1.2927 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
78-Pt-198

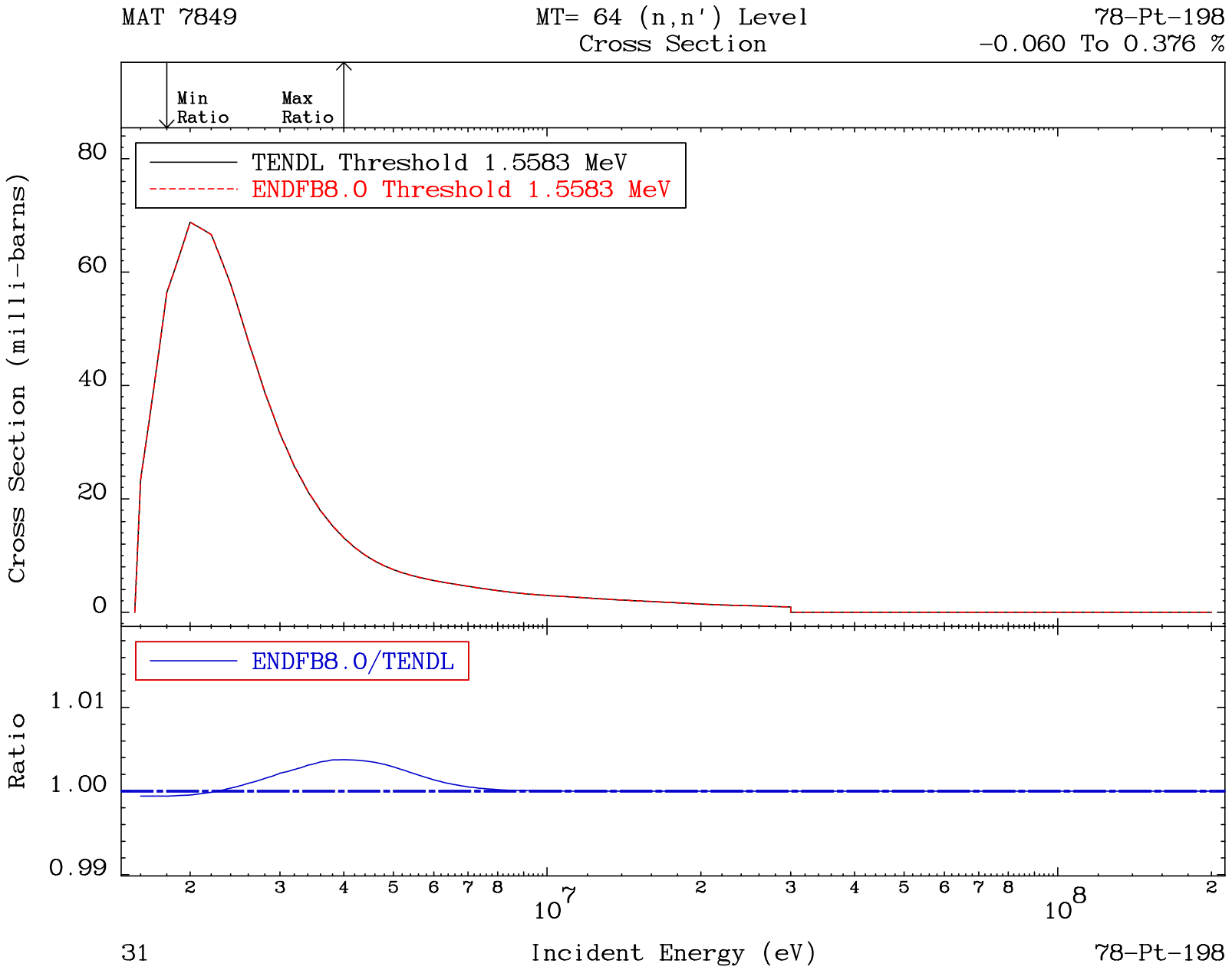

MAT 7849
MT= 59 (n,n') Level
Cross Section
78-Pt-198
-1.913 To 0.670 %
Min Ratio
Max Ratio
TENDL Threshold 1.3740 MeV
ENDFB8.0 Threshold 1.3740 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
78-Pt-198

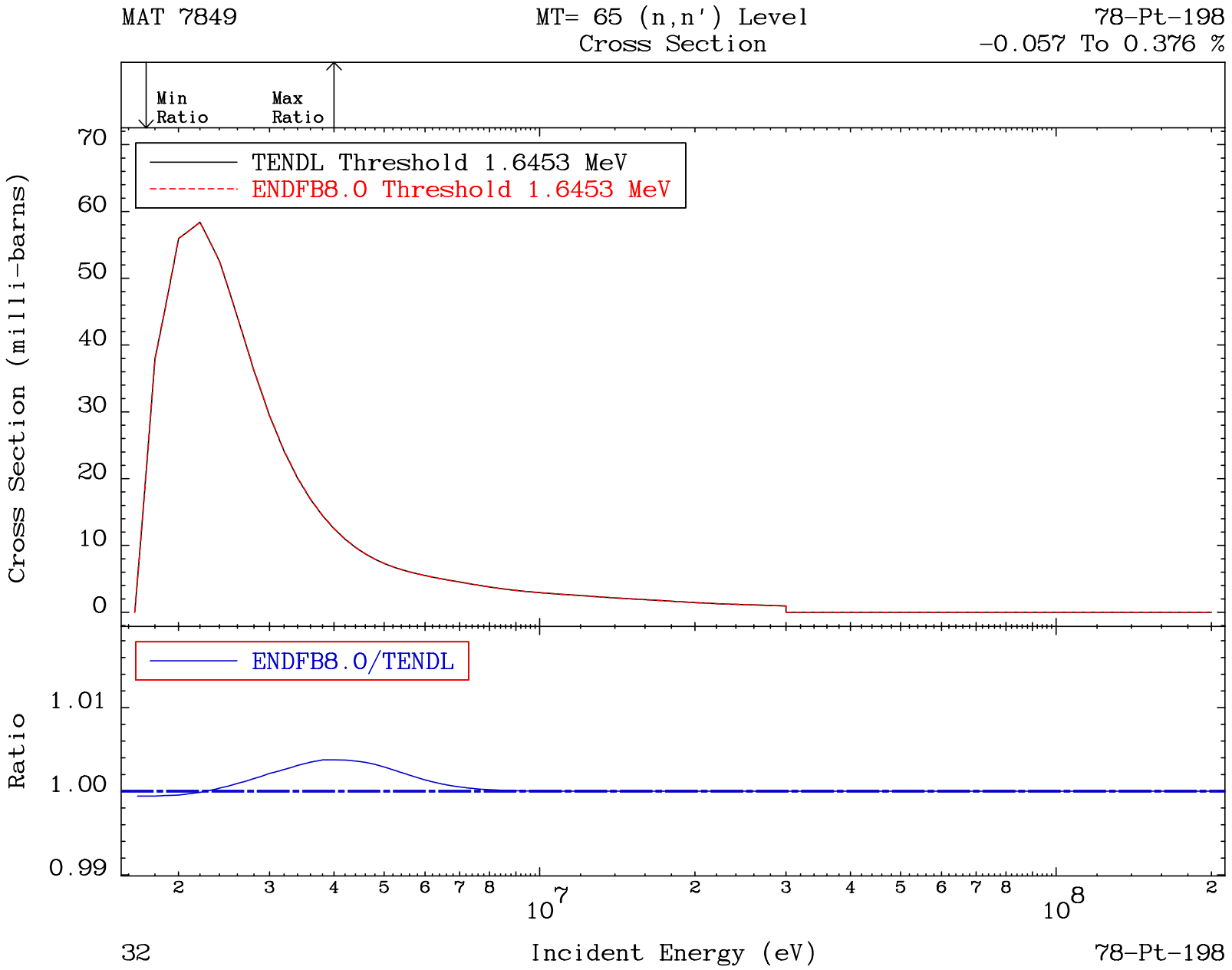

MAT 7849
MT= 60 (n,n') Level
Cross Section
78-Pt-198
-0.160 To 0.228 %
Min Ratio
Max Ratio
TENDL Threshold 1.4527 MeV
ENDFB8.0 Threshold 1.4527 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
78-Pt-198

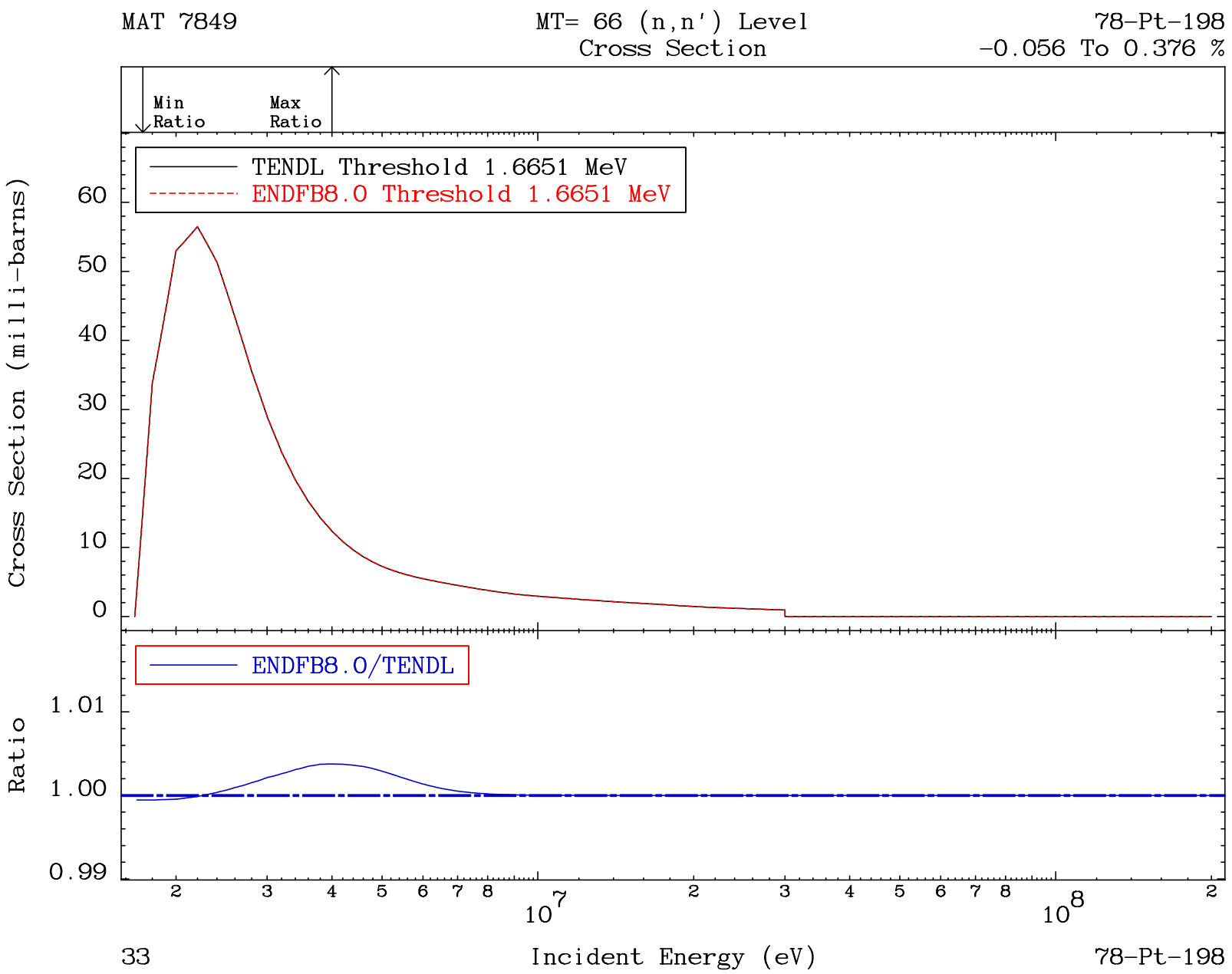

MAT 7849
MT= 61 (n,n') Level
Cross Section
78-Pt-198
-0.030 To 4.547 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.4888 MeV
ENDFB8.0 Threshold 1.4888 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
78-Pt-198

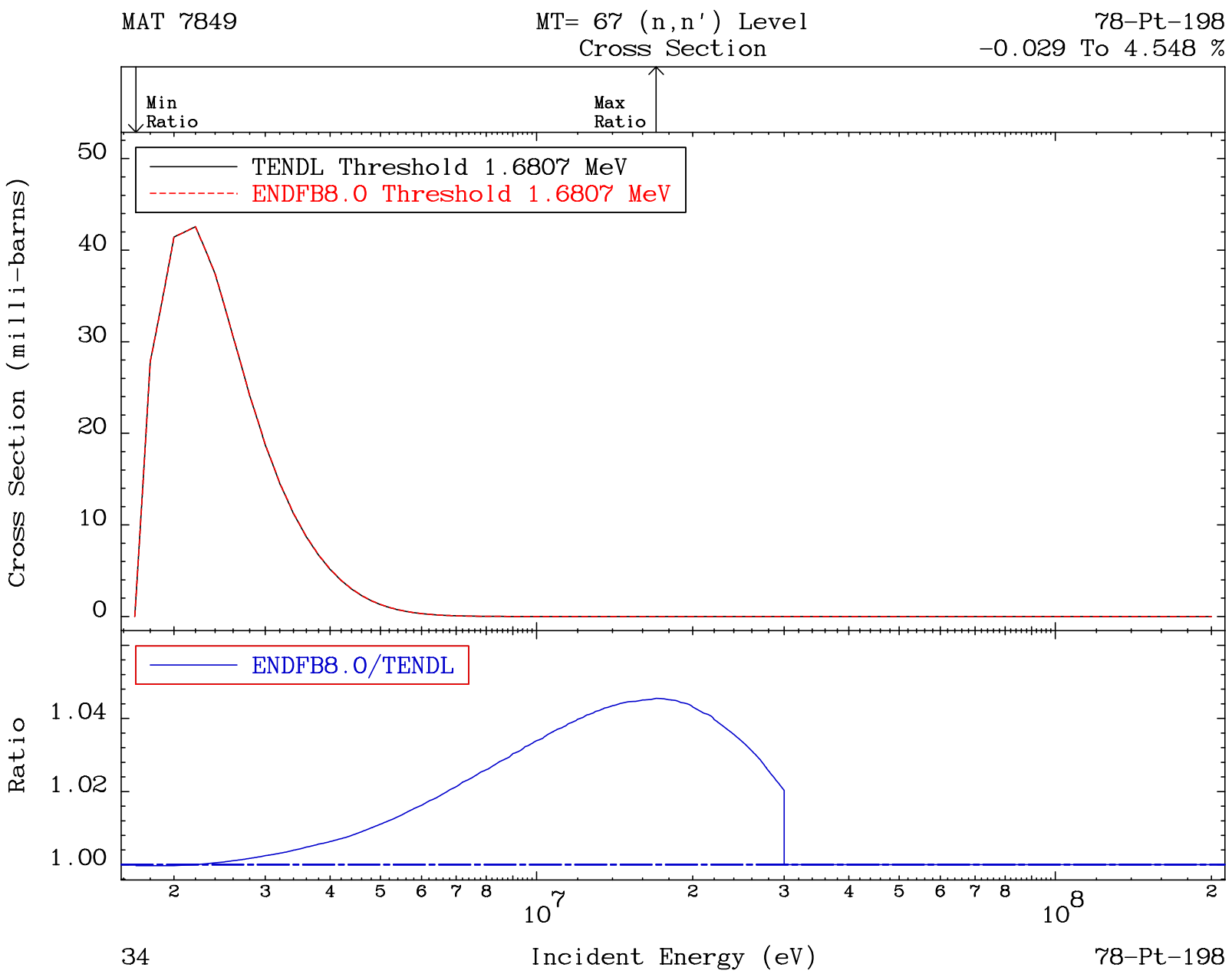

MAT 7849
MT= 62 (n,n') Level
Cross Section
78-Pt-198
-2.201 To 0.630 %
Min Ratio
Max Ratio
TENDL Threshold 1.5096 MeV
ENDFB8.0 Threshold 1.5096 MeV
Cross Section (milli-barns)
0
1
2
3
ENDFB8.0/TENDL
Ratio
0.98
0.99
1.00
1.01
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
78-Pt-198

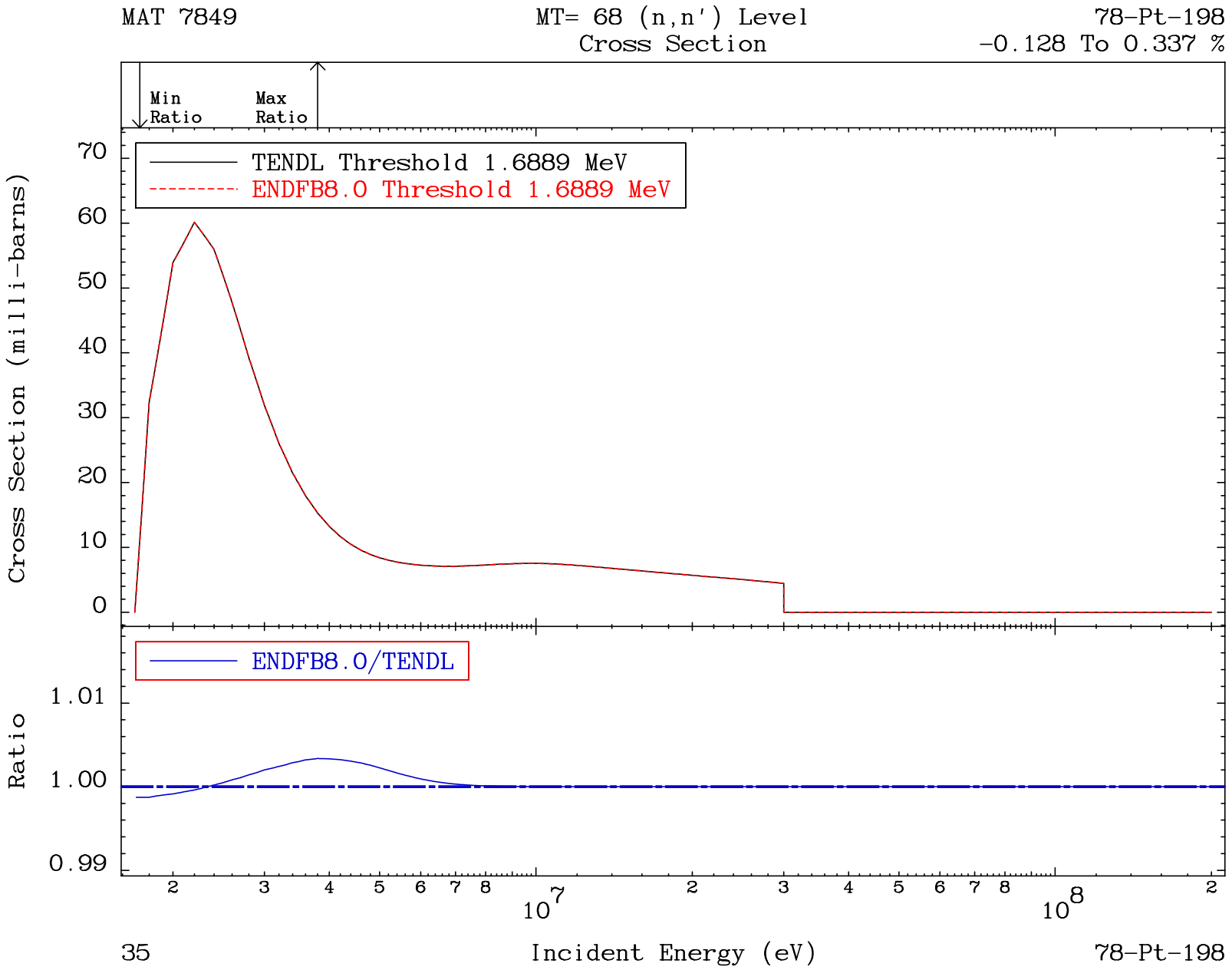

MAT 7849
MT= 63 (n,n') Level
Cross Section
78-Pt-198
-0.065 To 0.657 %
Min Ratio
Max Ratio
TENDL Threshold 1.5247 MeV
ENDFB8.0 Threshold 1.5247 MeV
Cross Section (milli-barns)
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
78-Pt-198

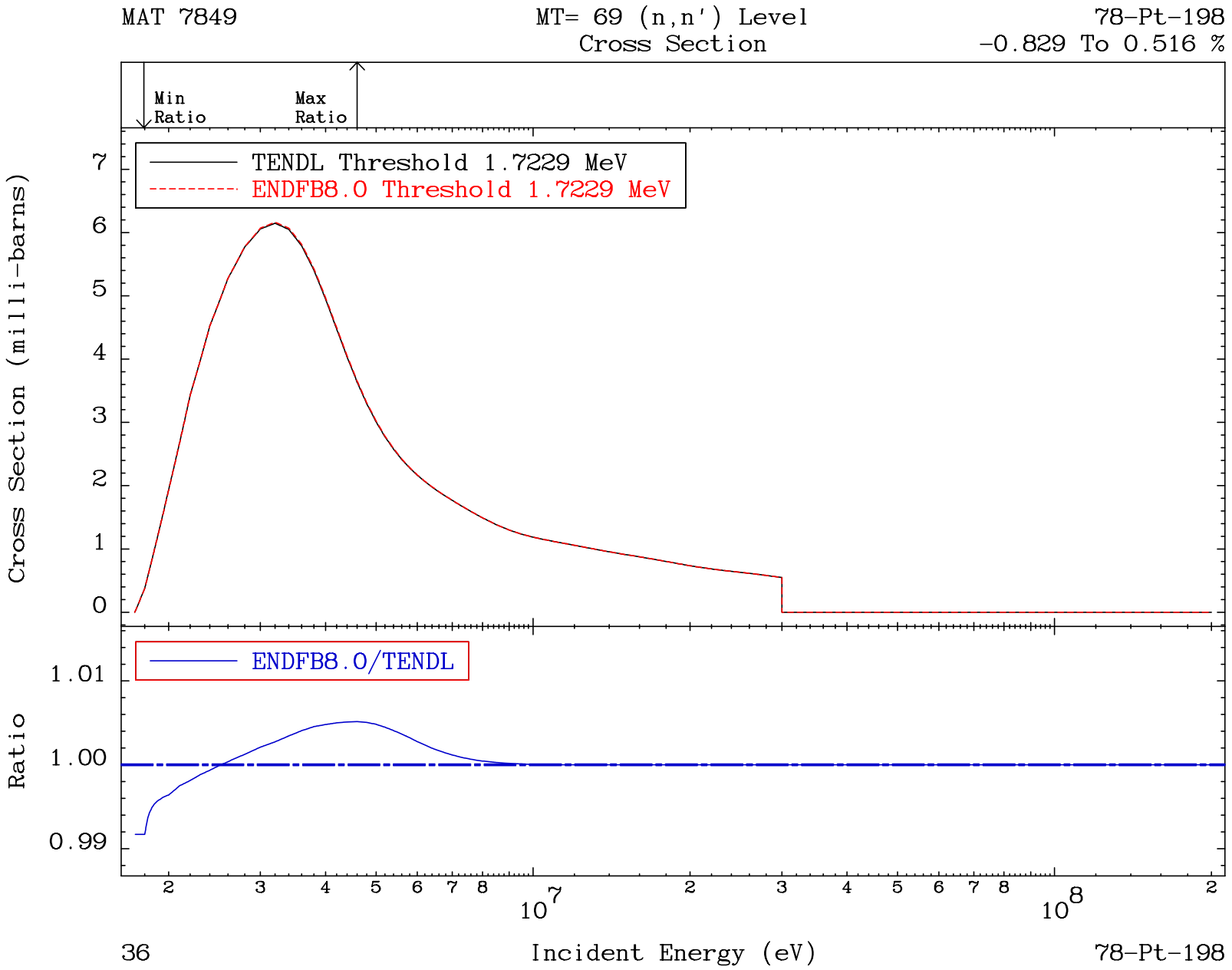

MAT 7849
MT= 64 (n,n') Level
Cross Section
78-Pt-198
-0.060 To 0.376 %
Min Ratio
Max Ratio
TENDL Threshold 1.5583 MeV
ENDFB8.0 Threshold 1.5583 MeV
Cross Section (milli-barns)
80
60
40
20
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
78-Pt-198

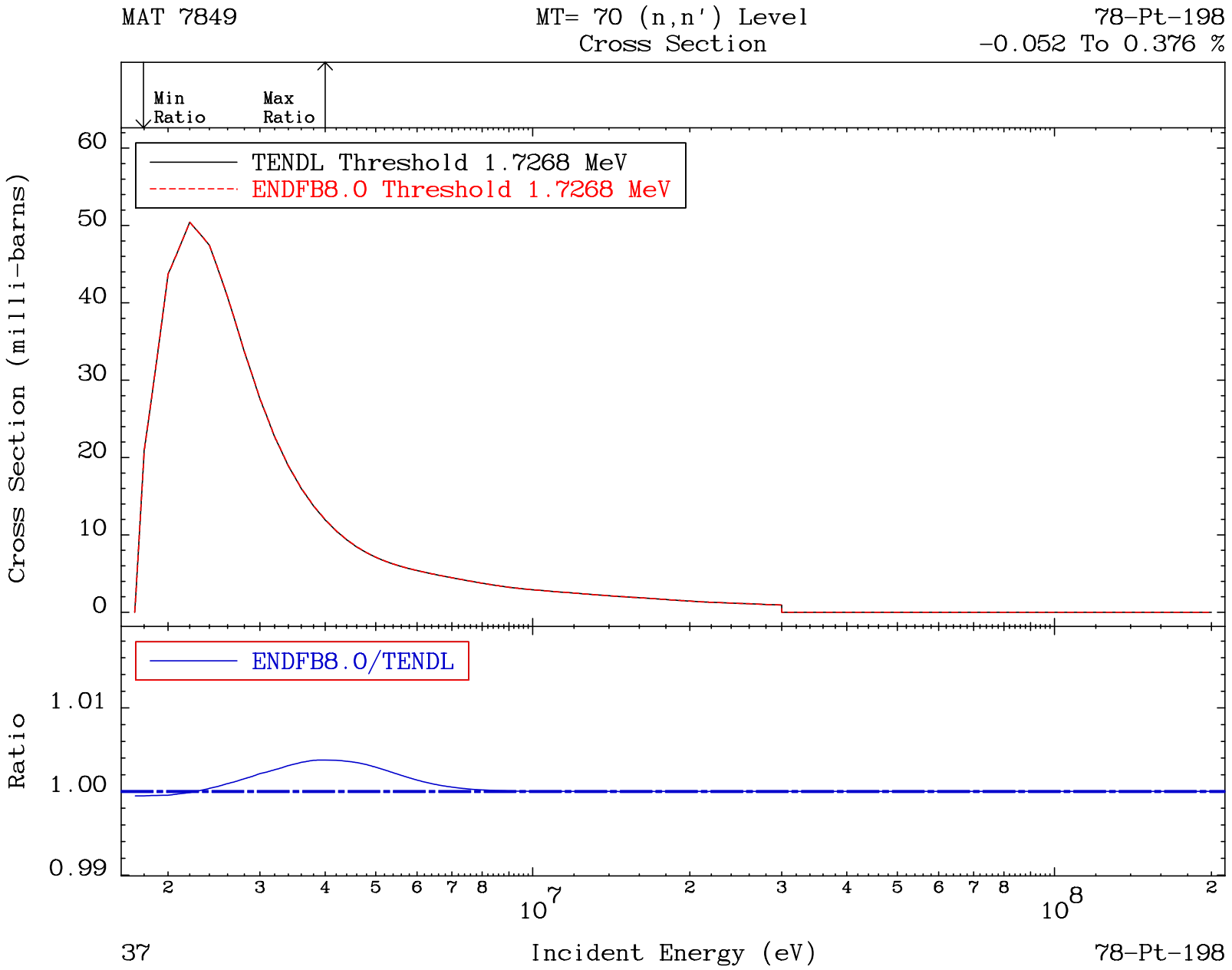

MAT 7849
MT= 65 (n,n') Level
Cross Section
78-Pt-198
-0.057 To 0.376 %
Min Ratio
Max Ratio
TENDL Threshold 1.6453 MeV
ENDFB8.0 Threshold 1.6453 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
78-Pt-198

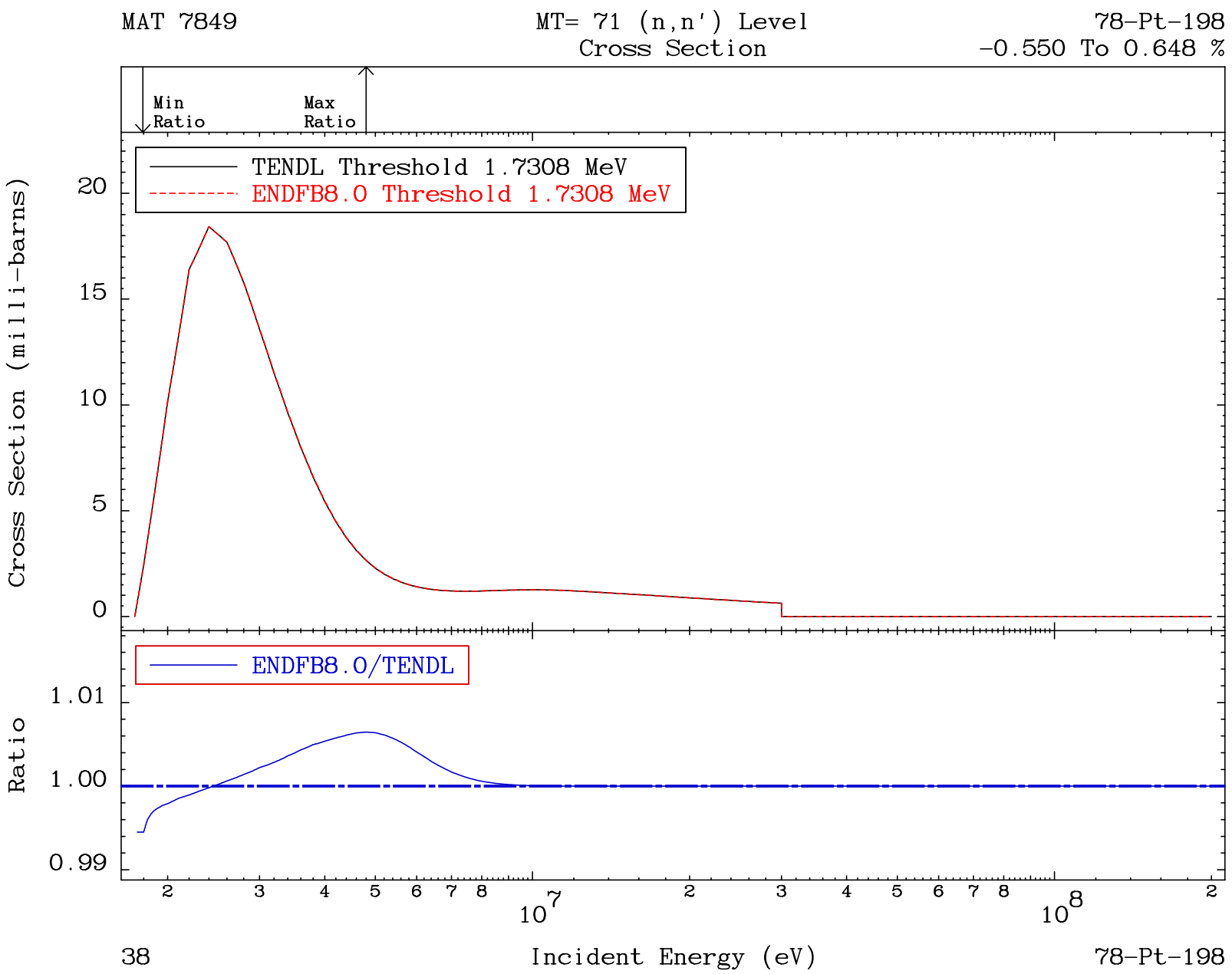

MAT 7849
MT= 66 (n,n') Level
Cross Section
78-Pt-198
-0.056 To 0.376 %
Min Ratio
Max Ratio
TENDL Threshold 1.6651 MeV
ENDFB8.0 Threshold 1.6651 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
78-Pt-198

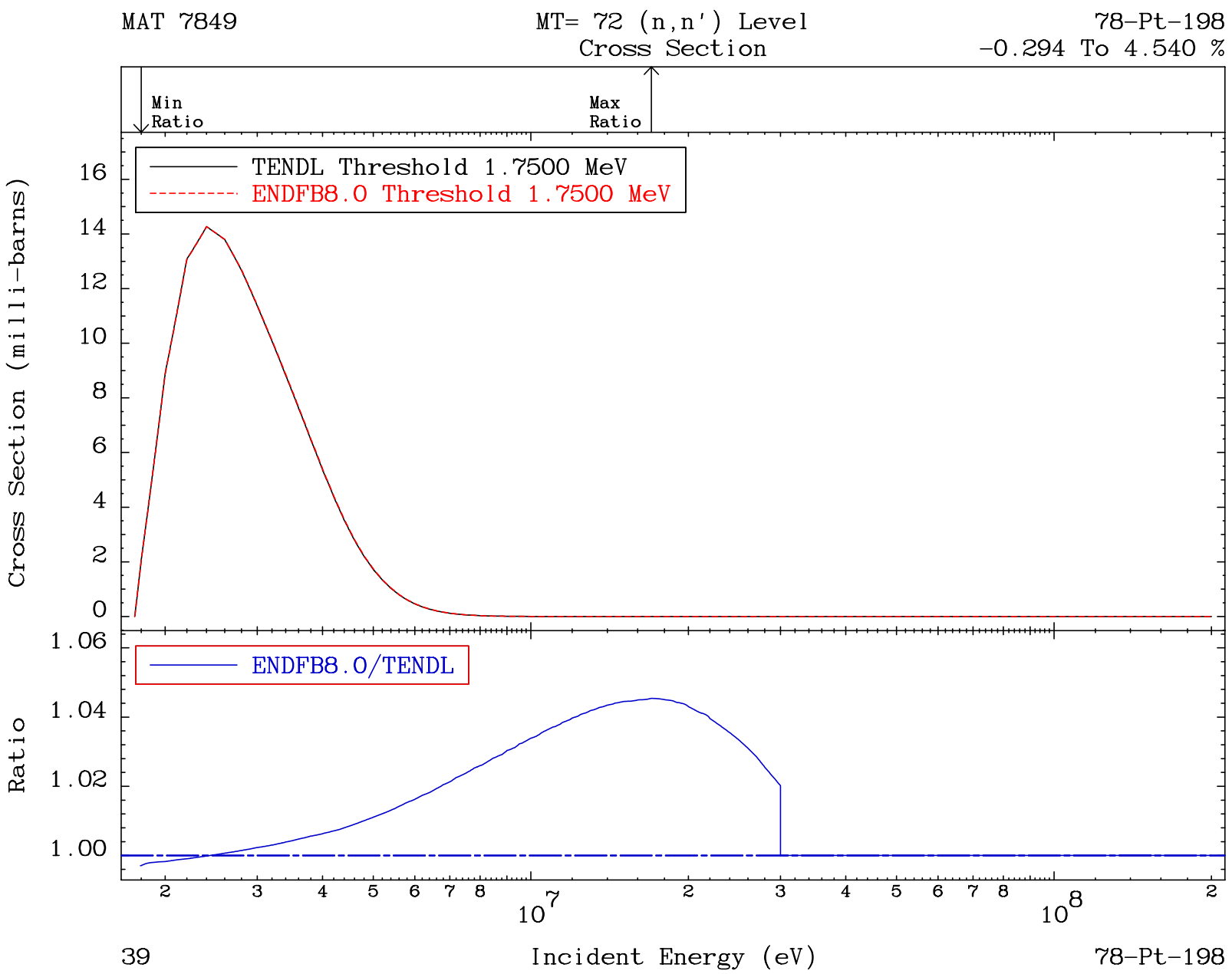

MAT 7849
MT= 67 (n,n') Level
Cross Section
78-Pt-198
-0.029 To 4.548 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.6807 MeV
ENDFB8.0 Threshold 1.6807 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
34
Incident Energy (eV)
78-Pt-198

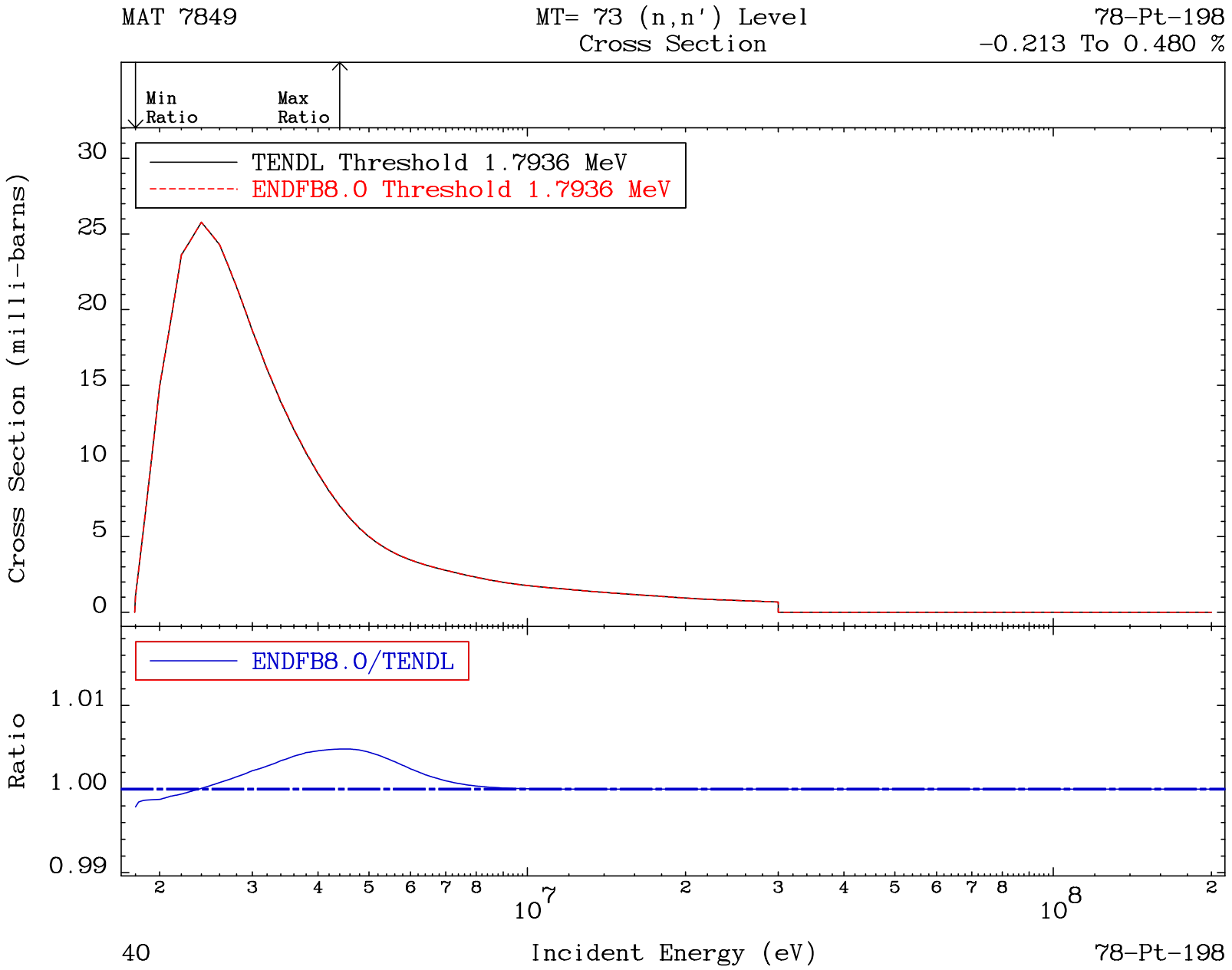

MAT 7849
MT= 68 (n,n') Level
Cross Section
78-Pt-198
-0.128 To 0.337 %
Min Ratio
Max Ratio
TENDL Threshold 1.6889 MeV
ENDFB8.0 Threshold 1.6889 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
35
Incident Energy (eV)
78-Pt-198

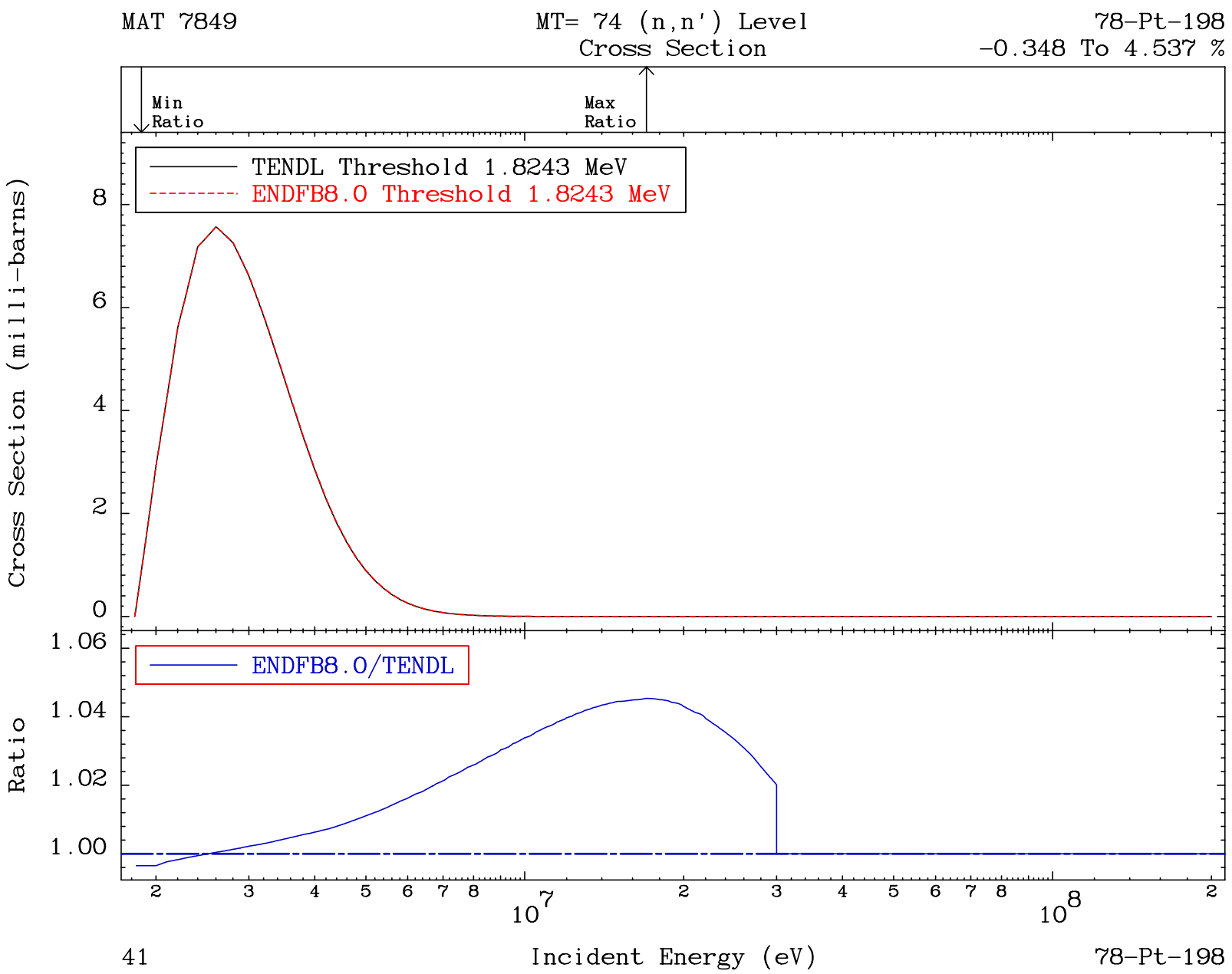

MAT 7849
MT= 69 (n,n') Level
Cross Section
78-Pt-198
-0.829 To 0.516 %
Min Ratio
Max Ratio
TENDL Threshold 1.7229 MeV
ENDFB8.0 Threshold 1.7229 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
36
78-Pt-198

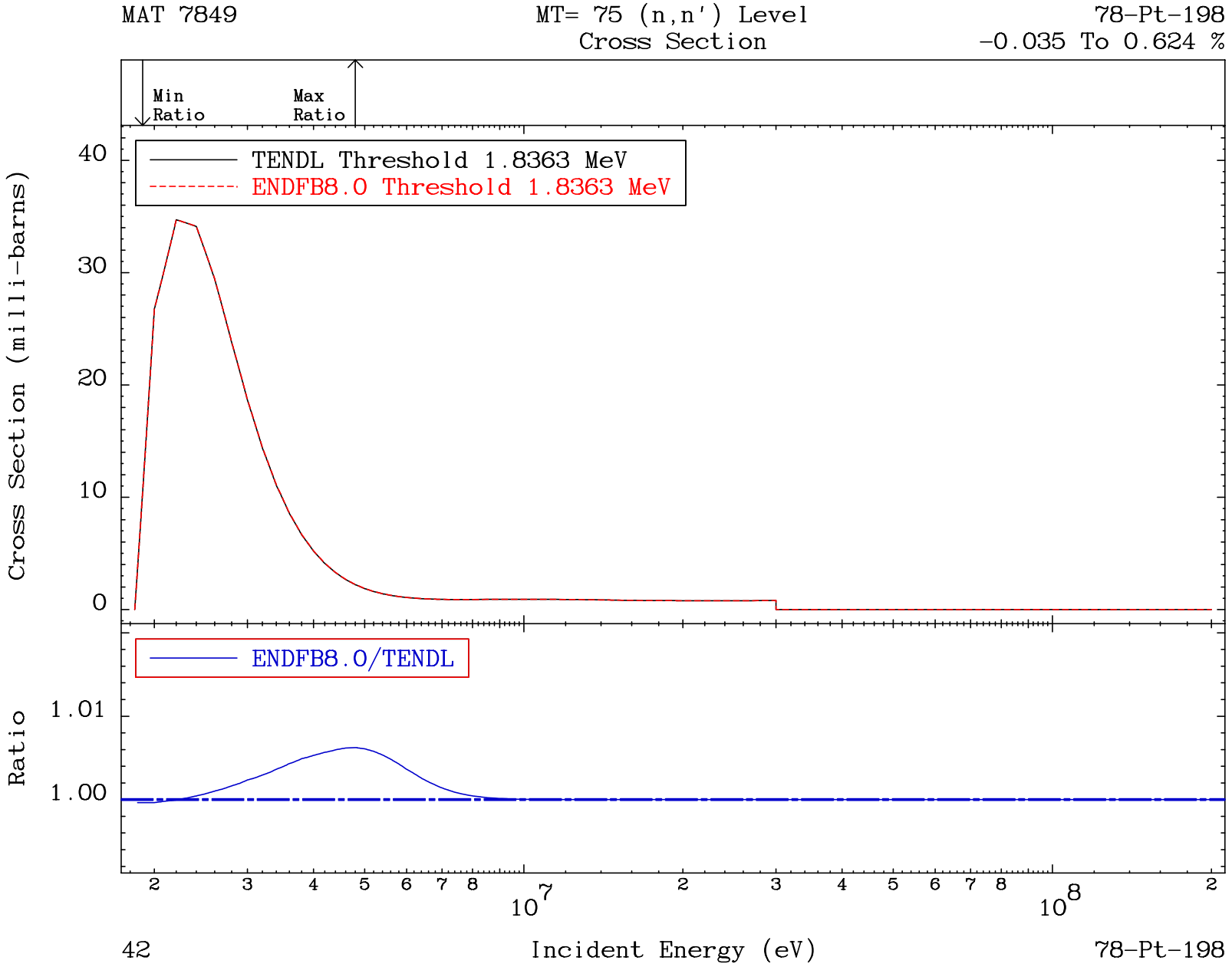

MAT 7849
MT= 70 (n,n') Level
Cross Section
78-Pt-198
-0.052 To 0.376 %
Min Ratio
Max Ratio
TENDL Threshold 1.7268 MeV
ENDFB8.0 Threshold 1.7268 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
78-Pt-198

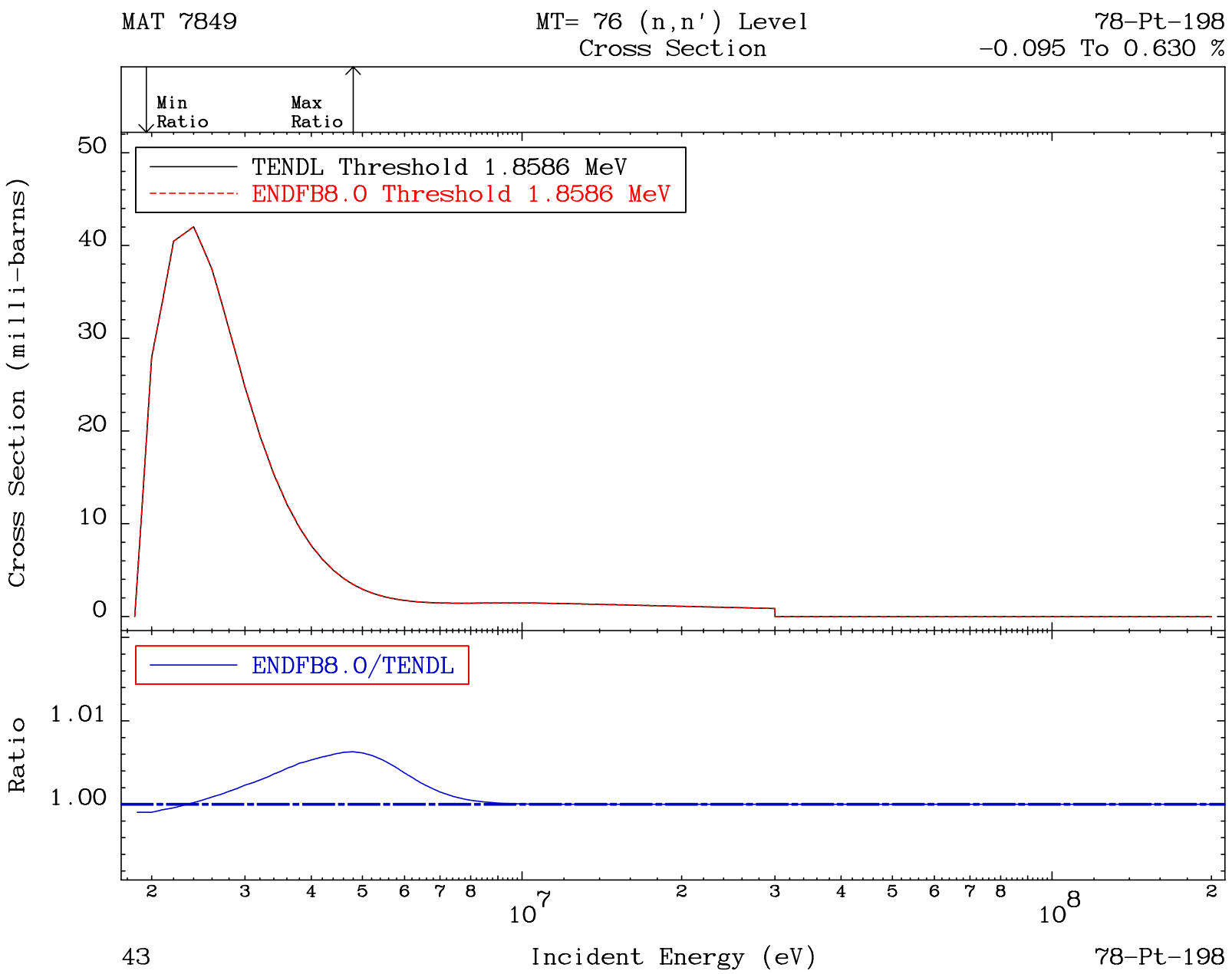

MAT 7849
MT= 71 (n,n') Level
Cross Section
78-Pt-198
-0.550 To 0.648 %
Min Ratio
Max Ratio
TENDL Threshold 1.7308 MeV
ENDFB8.0 Threshold 1.7308 MeV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
78-Pt-198

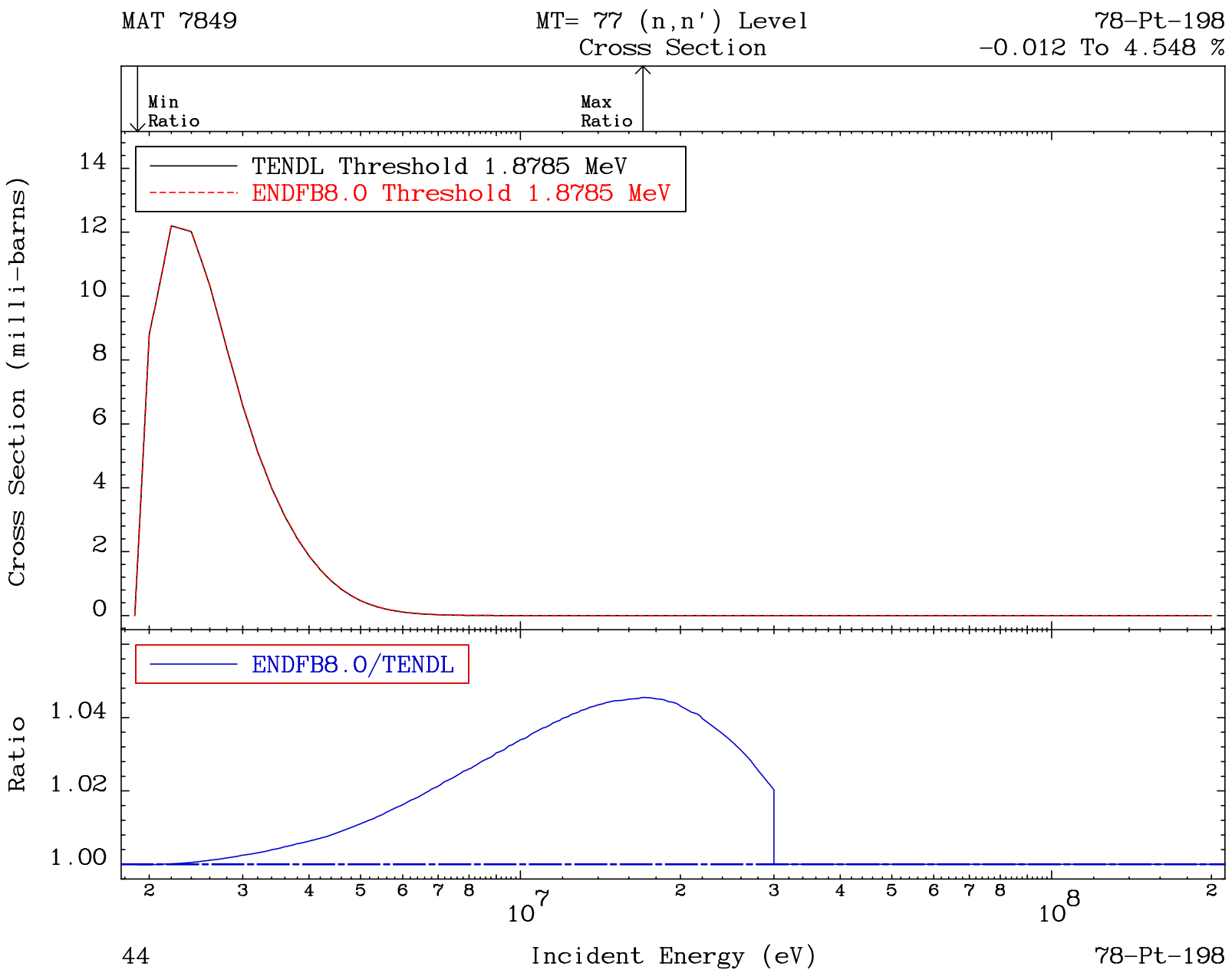

MAT 7849
MT= 72 (n,n') Level
Cross Section
78-Pt-198
-0.294 To 4.540 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.7500 MeV
ENDFB8.0 Threshold 1.7500 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
ENDFB8.0/TENDL
Ratio
1.06
1.04
1.02
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
39
Incident Energy (eV)
78-Pt-198

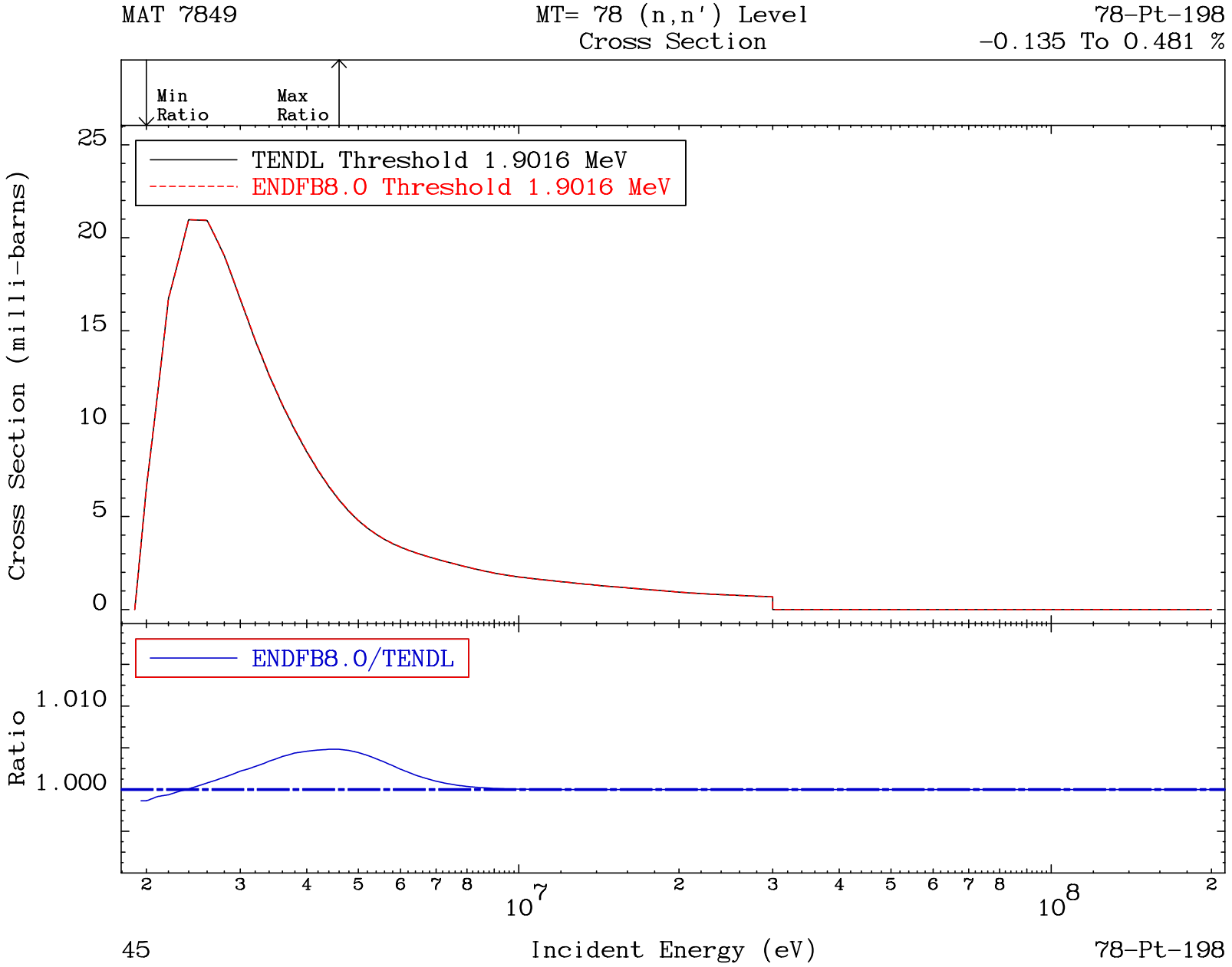

MAT 7849
MT= 73 (n,n') Level
Cross Section
78-Pt-198
-0.213 To 0.480 %
Min Ratio
Max Ratio
TENDL Threshold 1.7936 MeV
ENDFB8.0 Threshold 1.7936 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
78-Pt-198

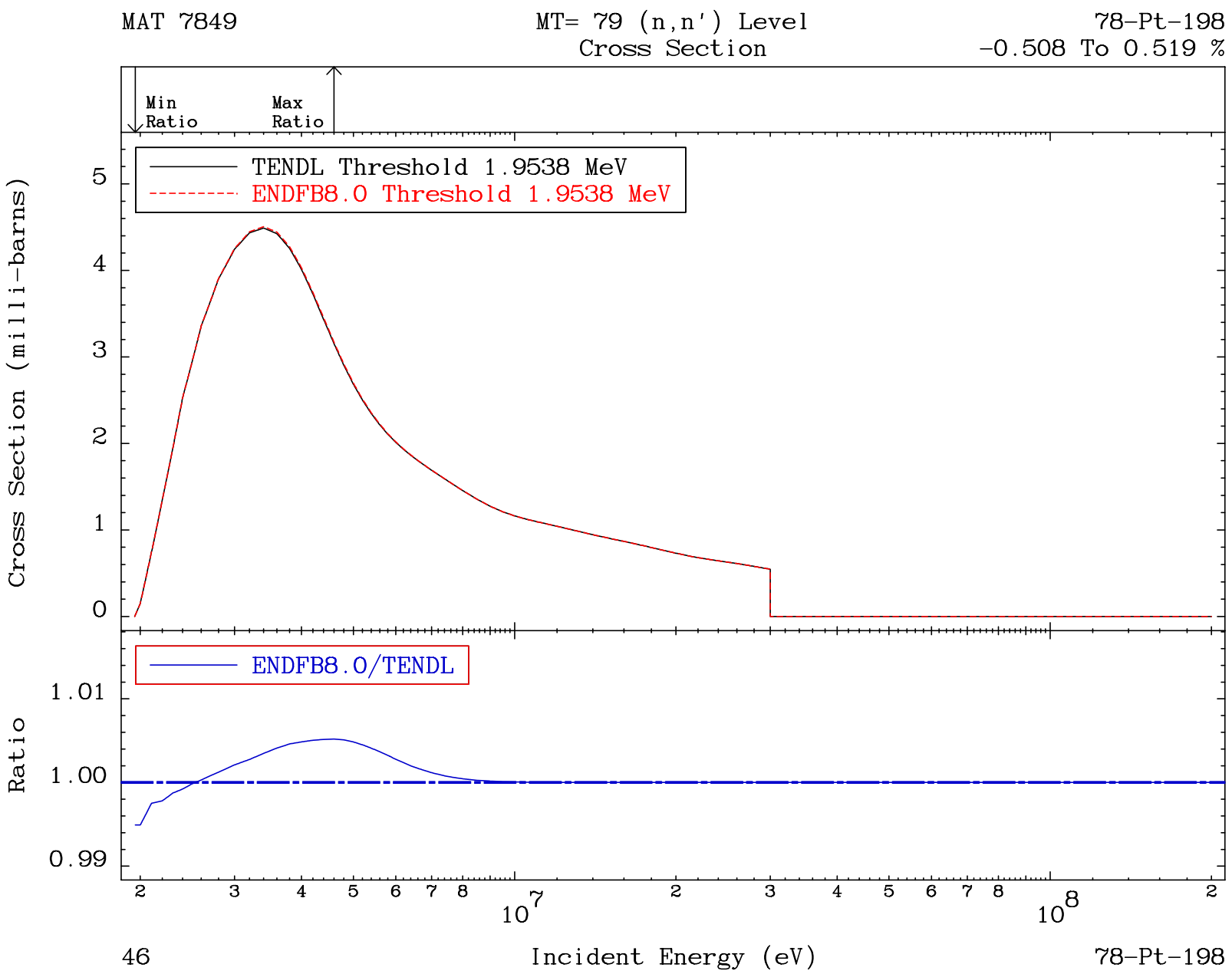

MAT 7849
MT= 74 (n,n') Level
Cross Section
78-Pt-198
-0.348 To 4.537 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.8243 MeV
ENDFB8.0 Threshold 1.8243 MeV
Cross Section (milli-barns)
0
2
4
6
8
ENDFB8.0/TENDL
Ratio
1.00
1.02
1.04
1.06
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
41
Incident Energy (eV)
78-Pt-198

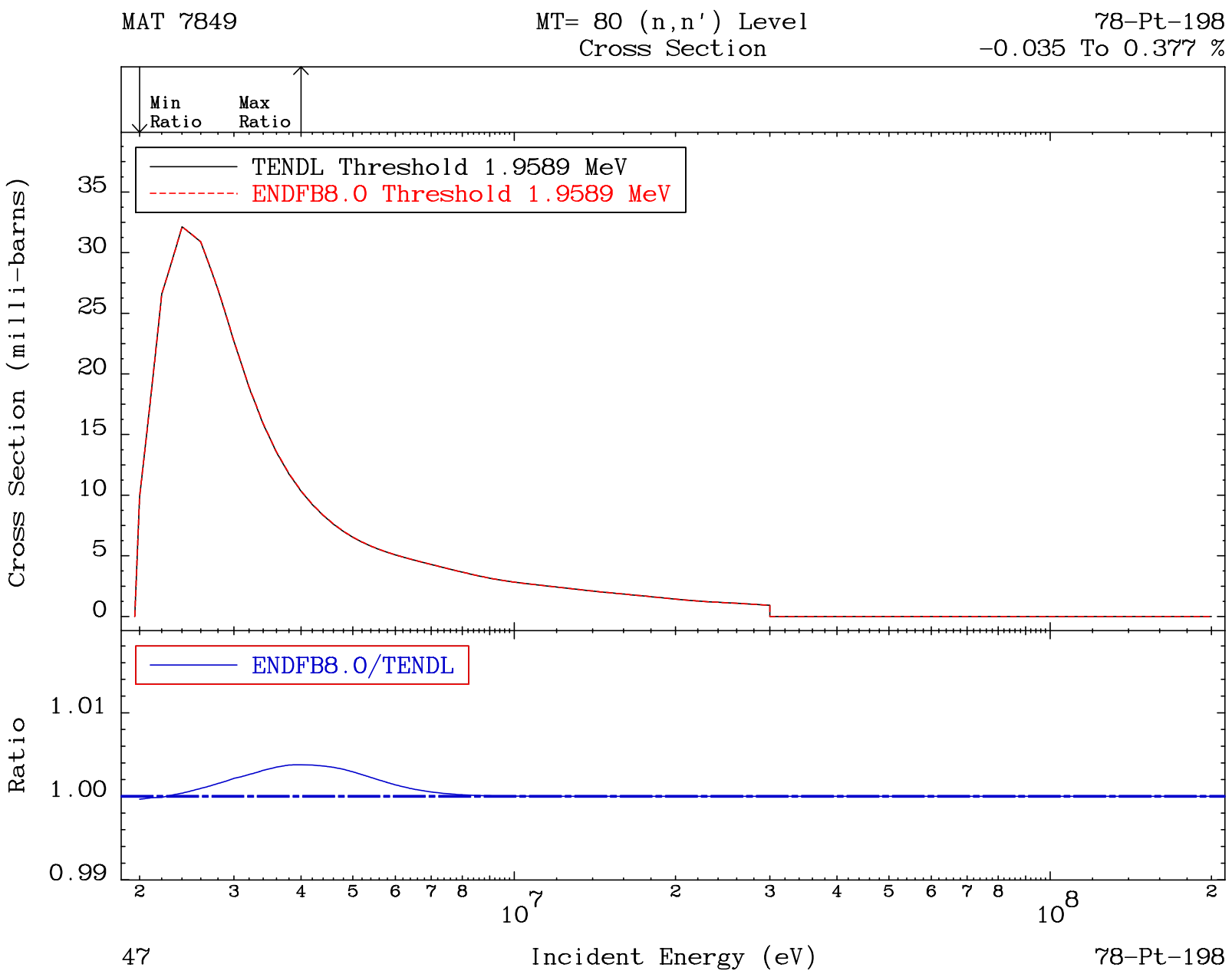

MAT 7849
MT= 75 (n,n') Level
Cross Section
78-Pt-198
-0.035 To 0.624 %
Min Ratio
Max Ratio
TENDL Threshold 1.8363 MeV
ENDFB8.0 Threshold 1.8363 MeV
Cross Section (milli-barns)
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
78-Pt-198

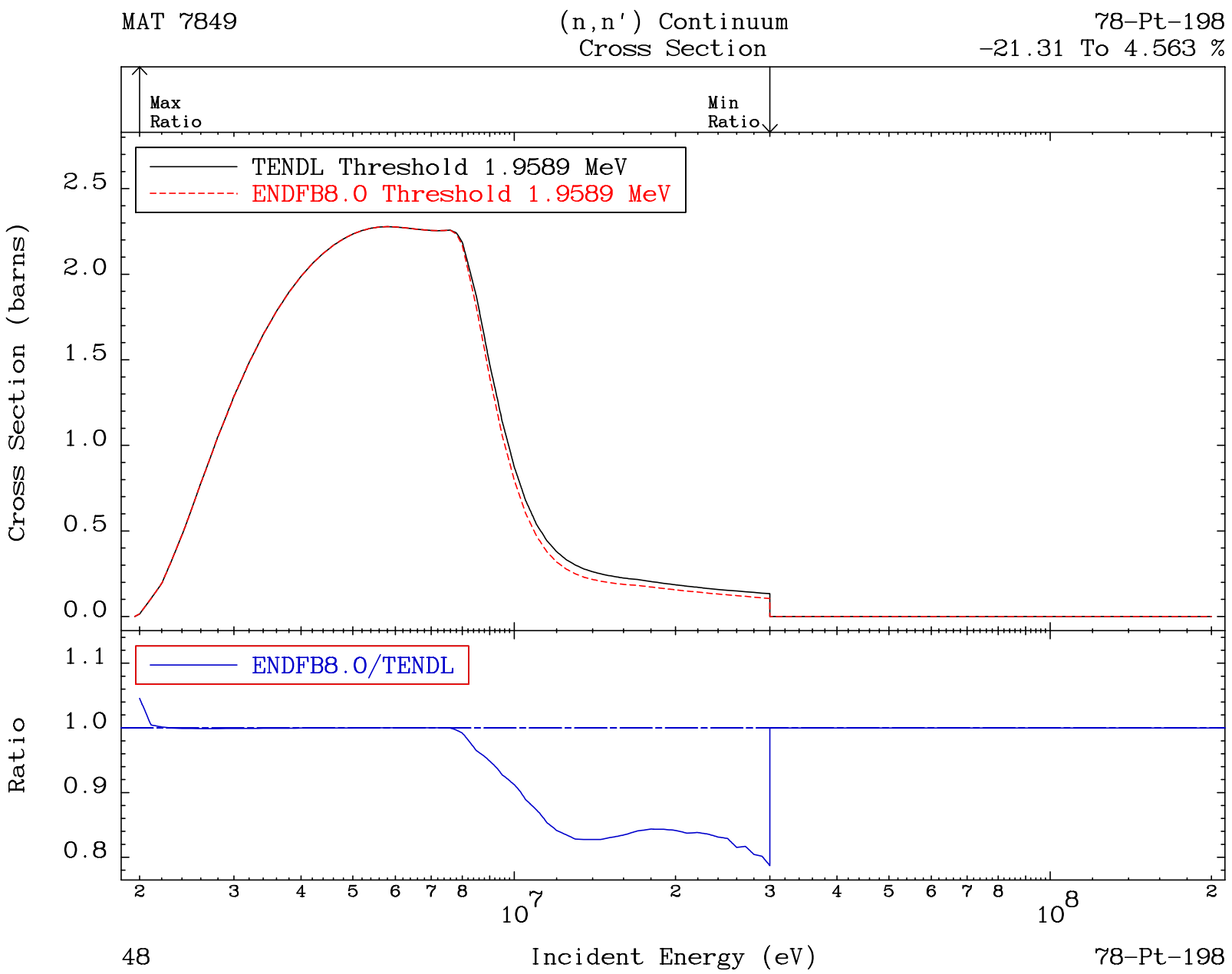

MAT 7849
MT= 76 (n,n') Level
Cross Section
78-Pt-198
-0.095 To 0.630 %
Min Ratio
Max Ratio
TENDL Threshold 1.8586 MeV
ENDFB8.0 Threshold 1.8586 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
78-Pt-198

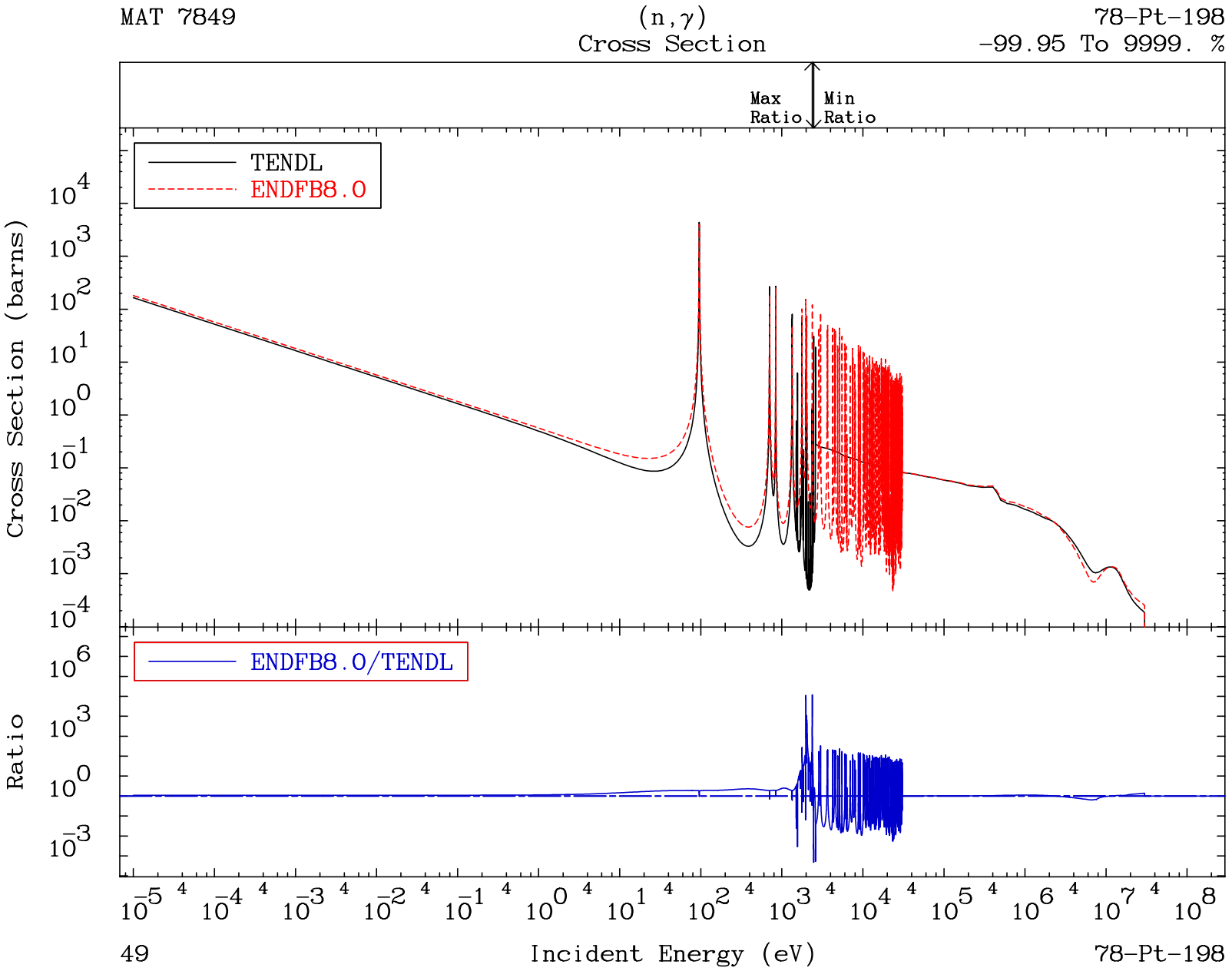

MAT 7849
MT= 77 (n,n') Level
Cross Section
78-Pt-198
-0.012 To 4.548 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.8785 MeV
ENDFB8.0 Threshold 1.8785 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
ENDFB8.0/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
44
Incident Energy (eV)
78-Pt-198

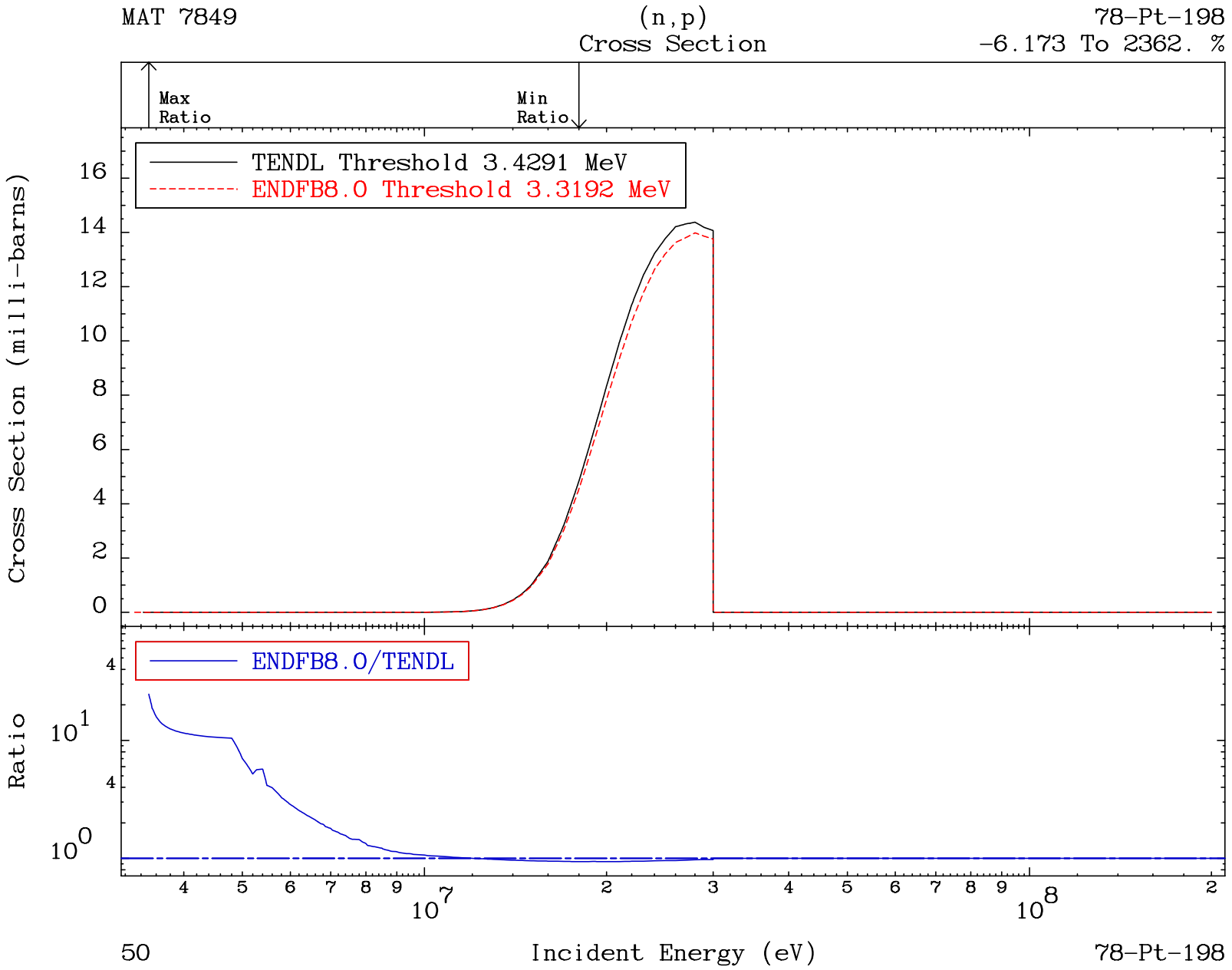

MAT 7849
MT= 78 (n,n') Level
Cross Section
78-Pt-198
-0.135 To 0.481 %
Min Ratio
Max Ratio
TENDL Threshold 1.9016 MeV
ENDFB8.0 Threshold 1.9016 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
1.010
1.000
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
78-Pt-198

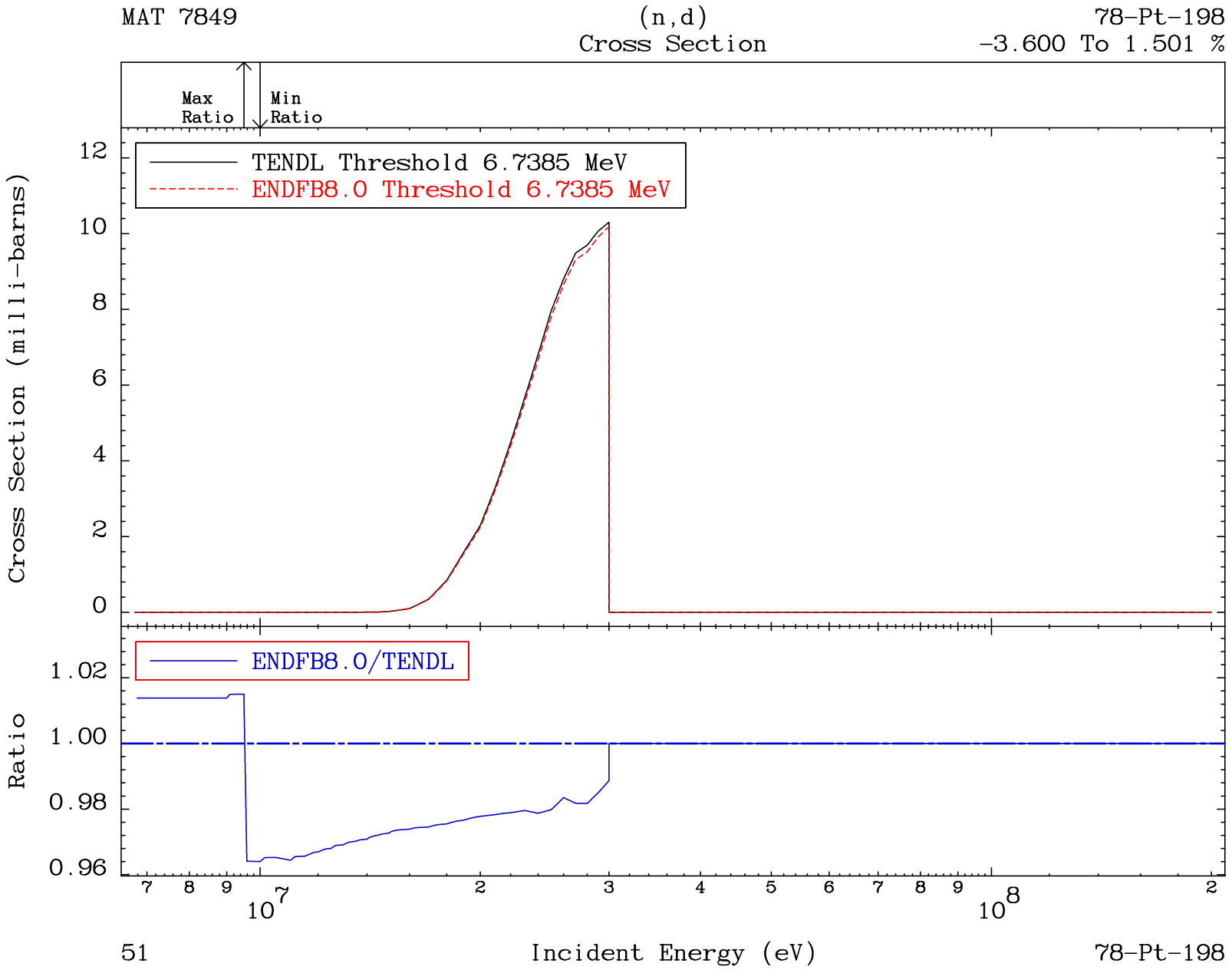

MAT 7849
MT= 79 (n,n') Level
Cross Section
78-Pt-198
-0.508 To 0.519 %
Min Ratio
Max Ratio
TENDL Threshold 1.9538 MeV
ENDFB8.0 Threshold 1.9538 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
ENDFB8.0/TENDL
Ratio
0.99
1.00
1.01
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
46
Incident Energy (eV)
78-Pt-198

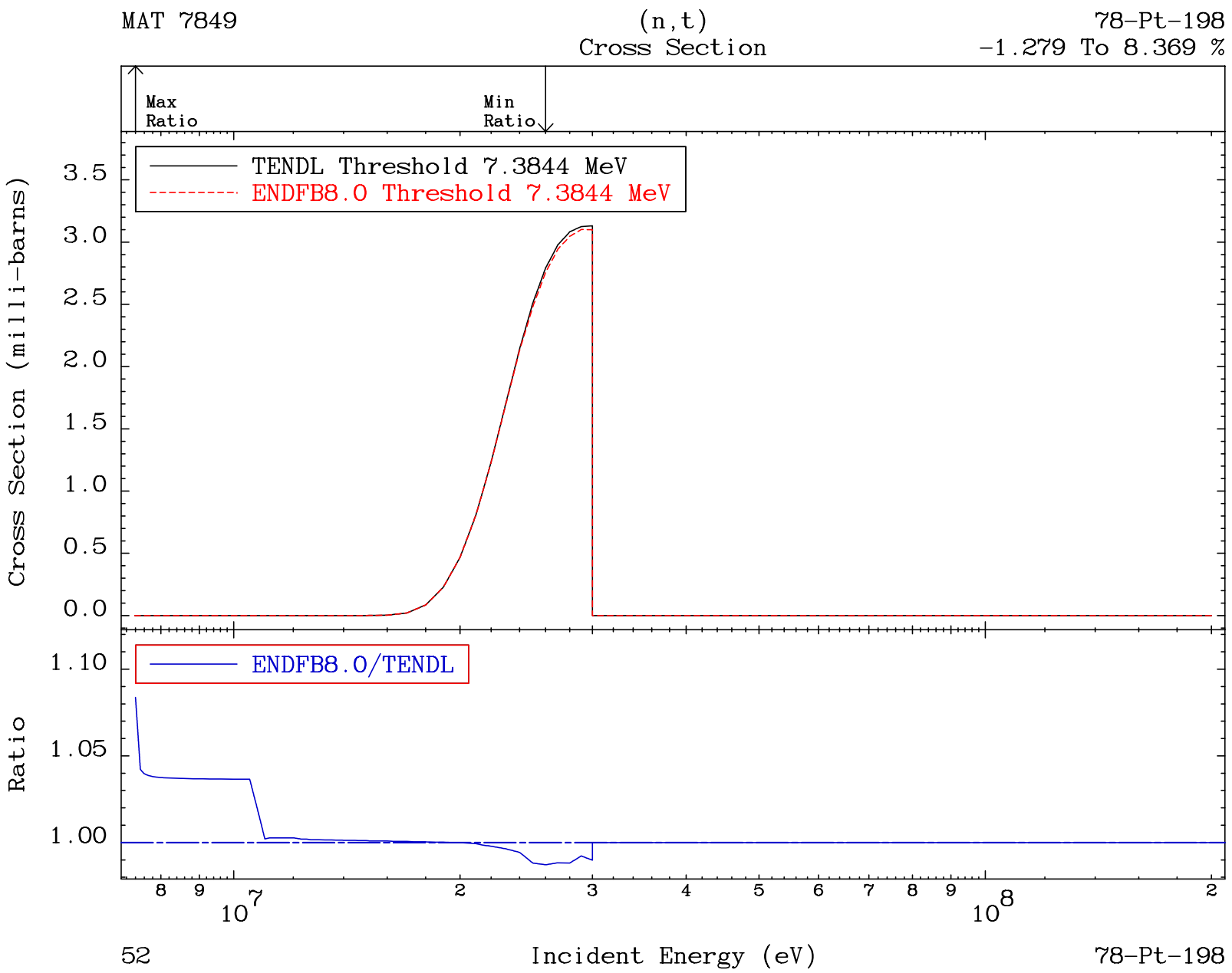

MAT 7849
MT= 80 (n,n') Level
Cross Section
78-Pt-198
-0.035 To 0.377 %
Min Ratio
Max Ratio
TENDL Threshold 1.9589 MeV
ENDFB8.0 Threshold 1.9589 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
78-Pt-198

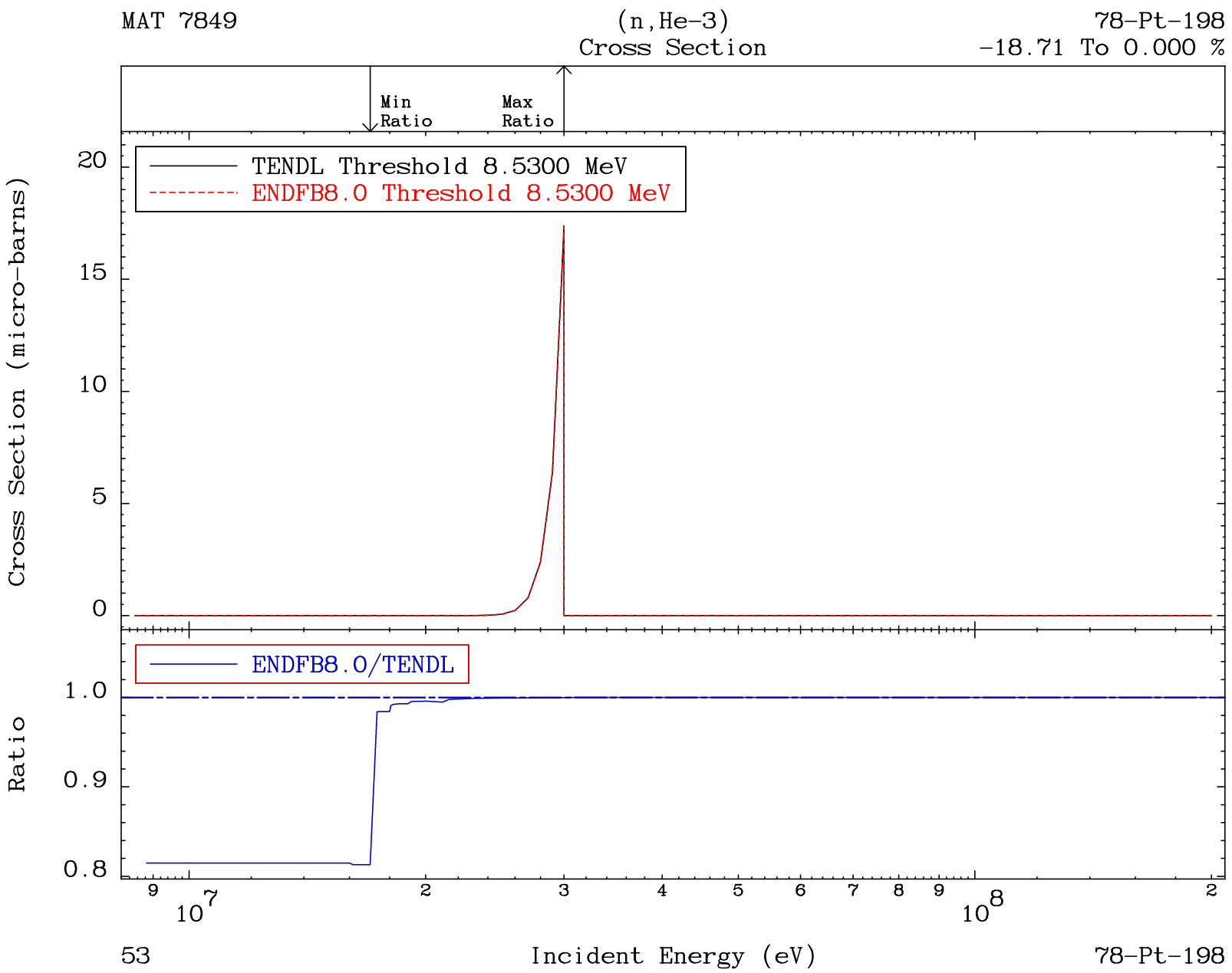

MAT 7849
(n,n') Continuum
Cross Section
78-Pt-198
-21.31 To 4.563 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.9589 MeV
ENDFB8.0 Threshold 1.9589 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.1
1.0
0.9
0.8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
78-Pt-198

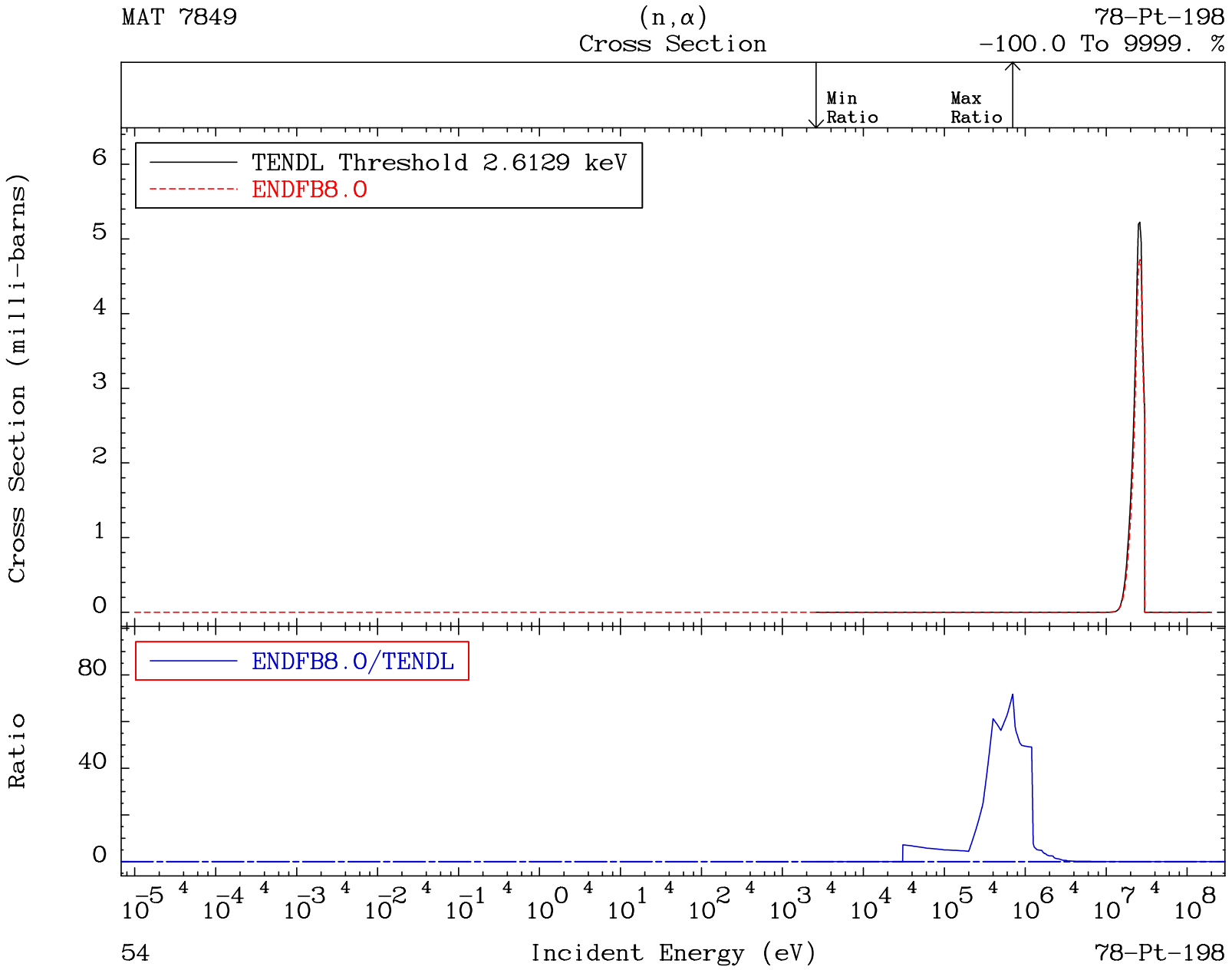

MAT 7849
(n,γ)
Cross Section
78-Pt-198
-99.95 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
49
Incident Energy (eV)
78-Pt-198

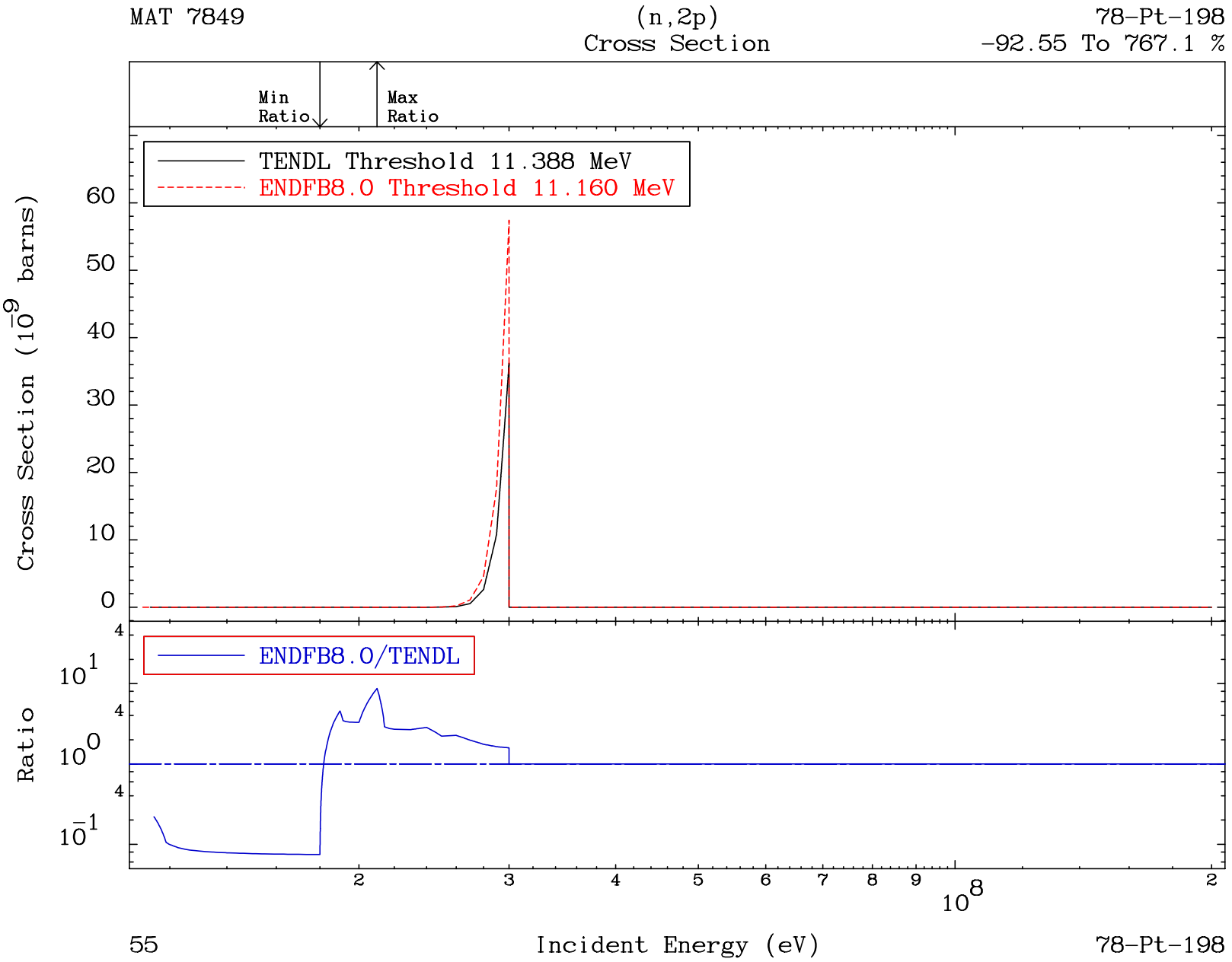

MAT 7849
(n,p)
Cross Section
78-Pt-198
-6.173 To 2362. %
Max Ratio
Min Ratio
TENDL Threshold 3.4291 MeV
ENDFB8.0 Threshold 3.3192 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
50
78-Pt-198

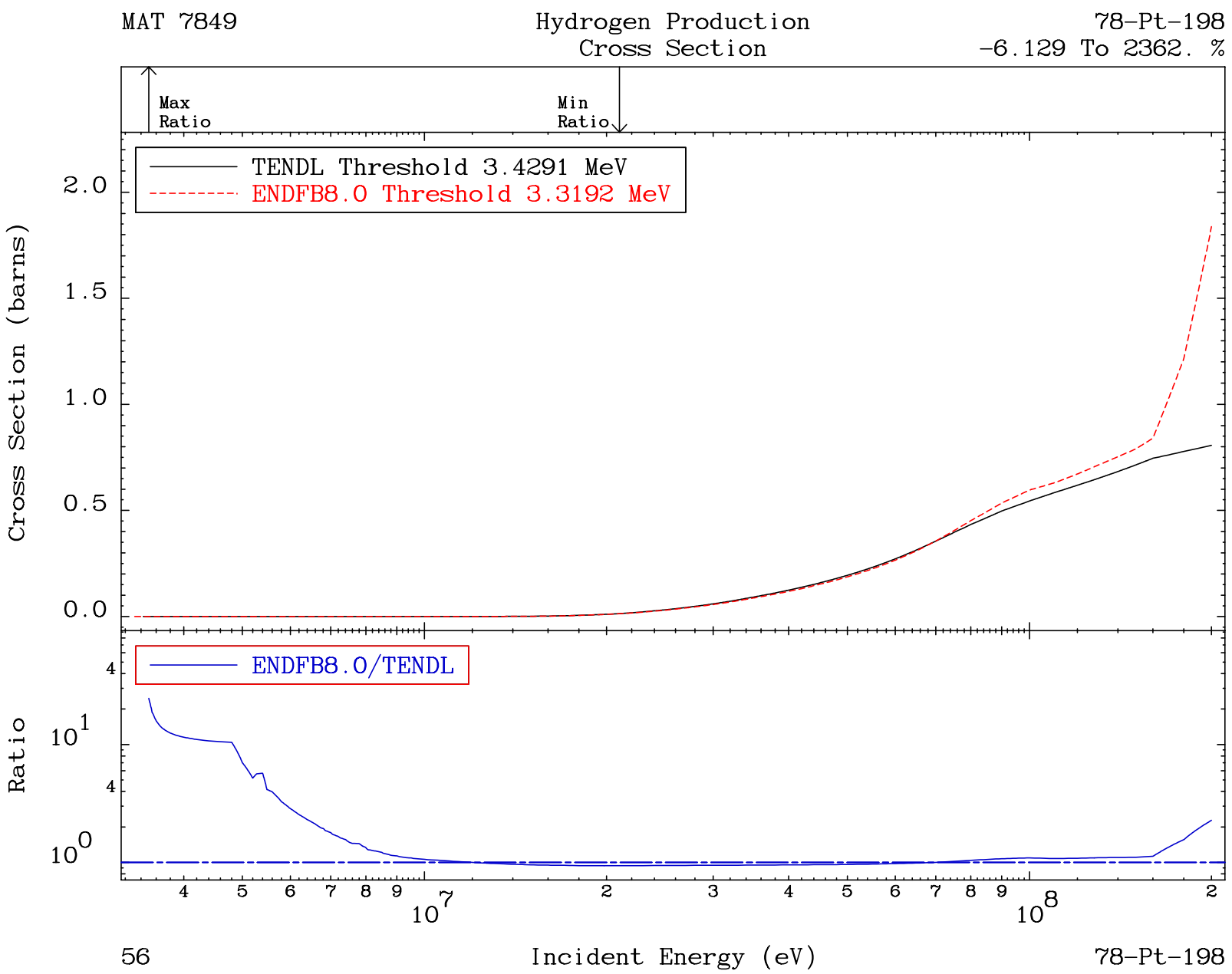

MAT 7849
(n,d)
Cross Section
78-Pt-198
-3.600 To 1.501 %
Max Ratio
Min Ratio
TENDL Threshold 6.7385 MeV
ENDFB8.0 Threshold 6.7385 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
ENDFB8.0/TENDL
Ratio
1.02
1.00
0.98
0.96
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
51
Incident Energy (eV)
78-Pt-198

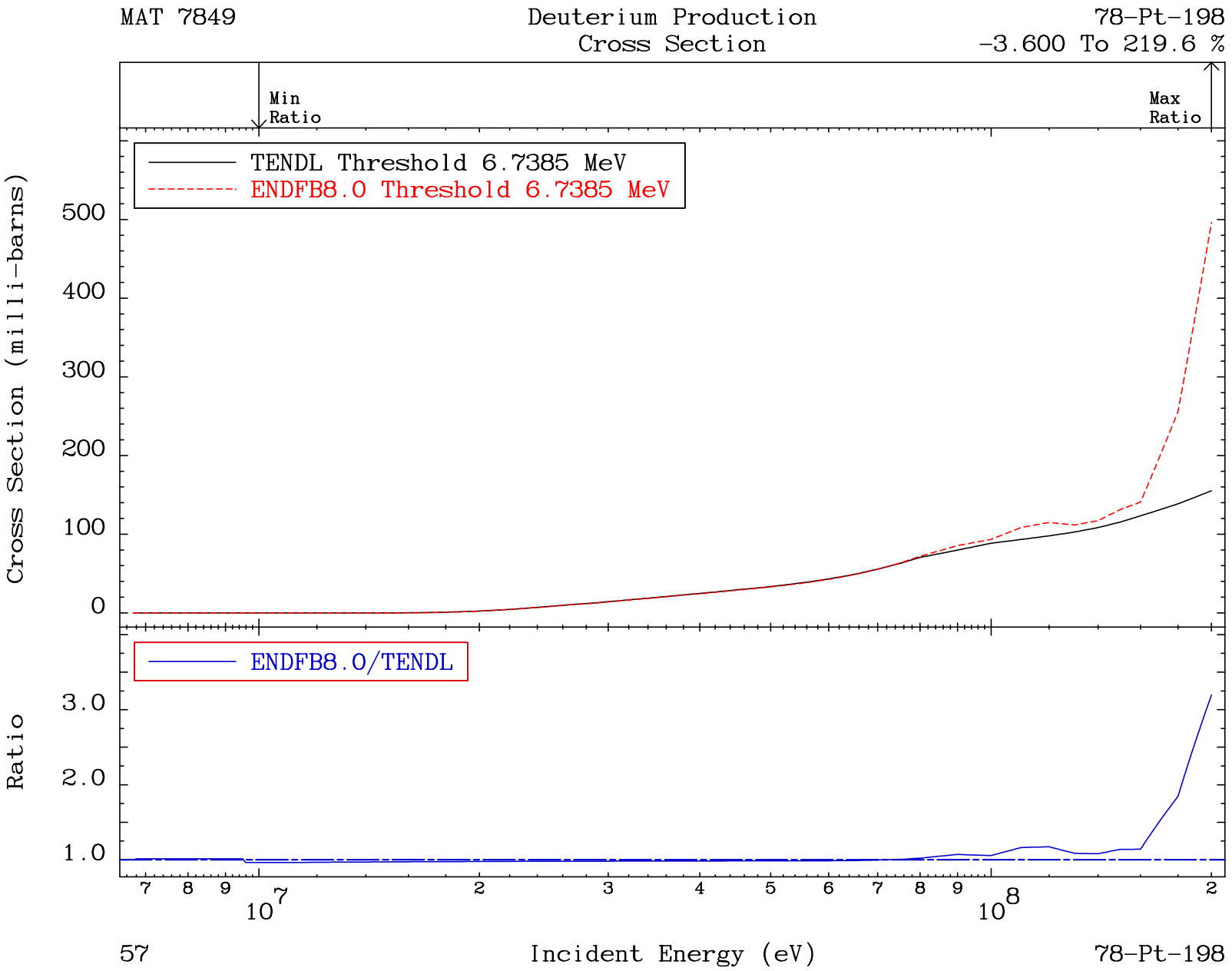

MAT 7849
(n,t)
Cross Section
78-Pt-198
-1.279 To 8.369 %
Max Ratio
Min Ratio
TENDL Threshold 7.3844 MeV
ENDFB8.0 Threshold 7.3844 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.10
1.05
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
52
Incident Energy (eV)
78-Pt-198

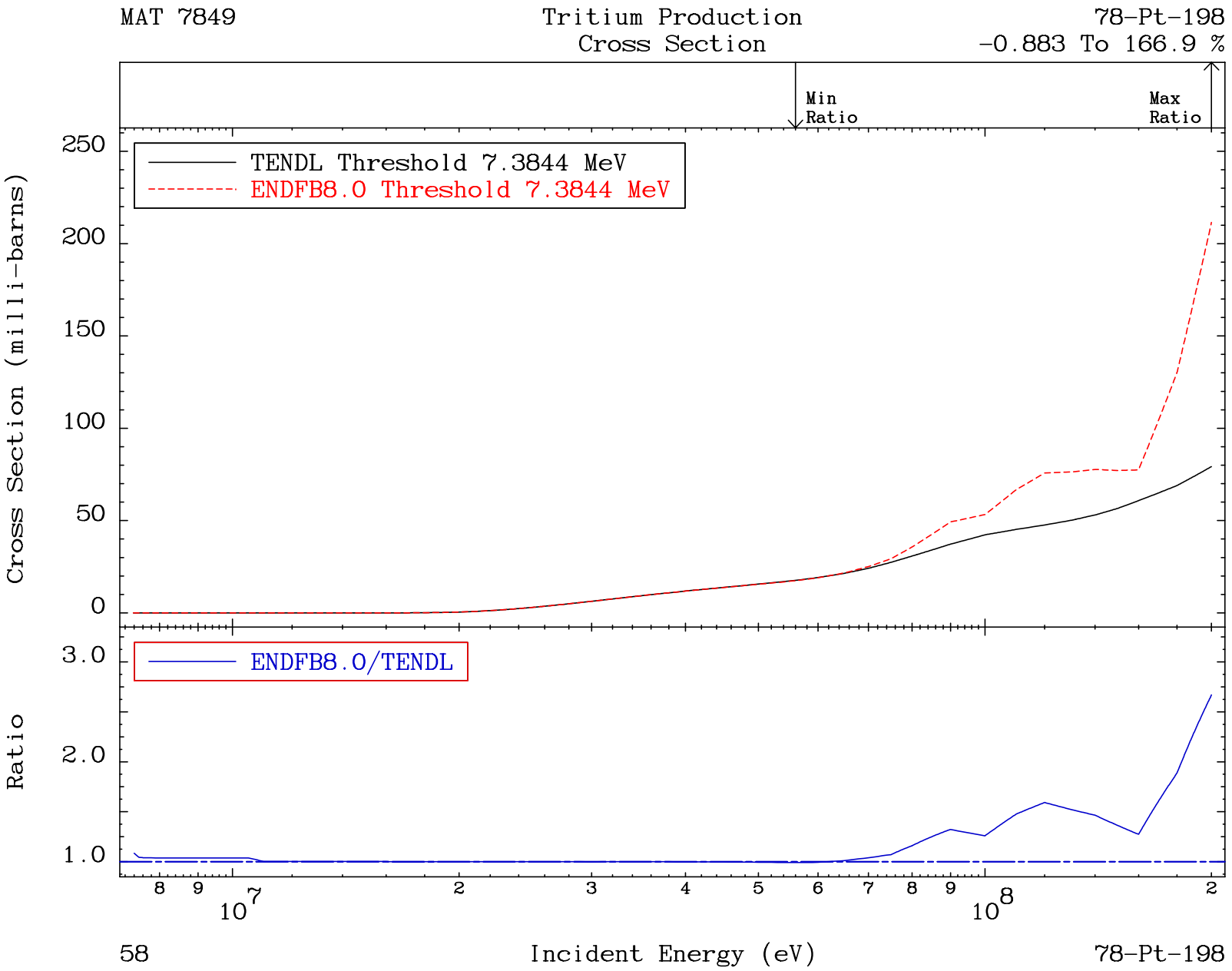

MAT 7849
(n,He-3)
Cross Section
78-Pt-198
-18.71 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 8.5300 MeV
ENDFB8.0 Threshold 8.5300 MeV
Cross Section (micro-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
1.0
0.9
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
78-Pt-198

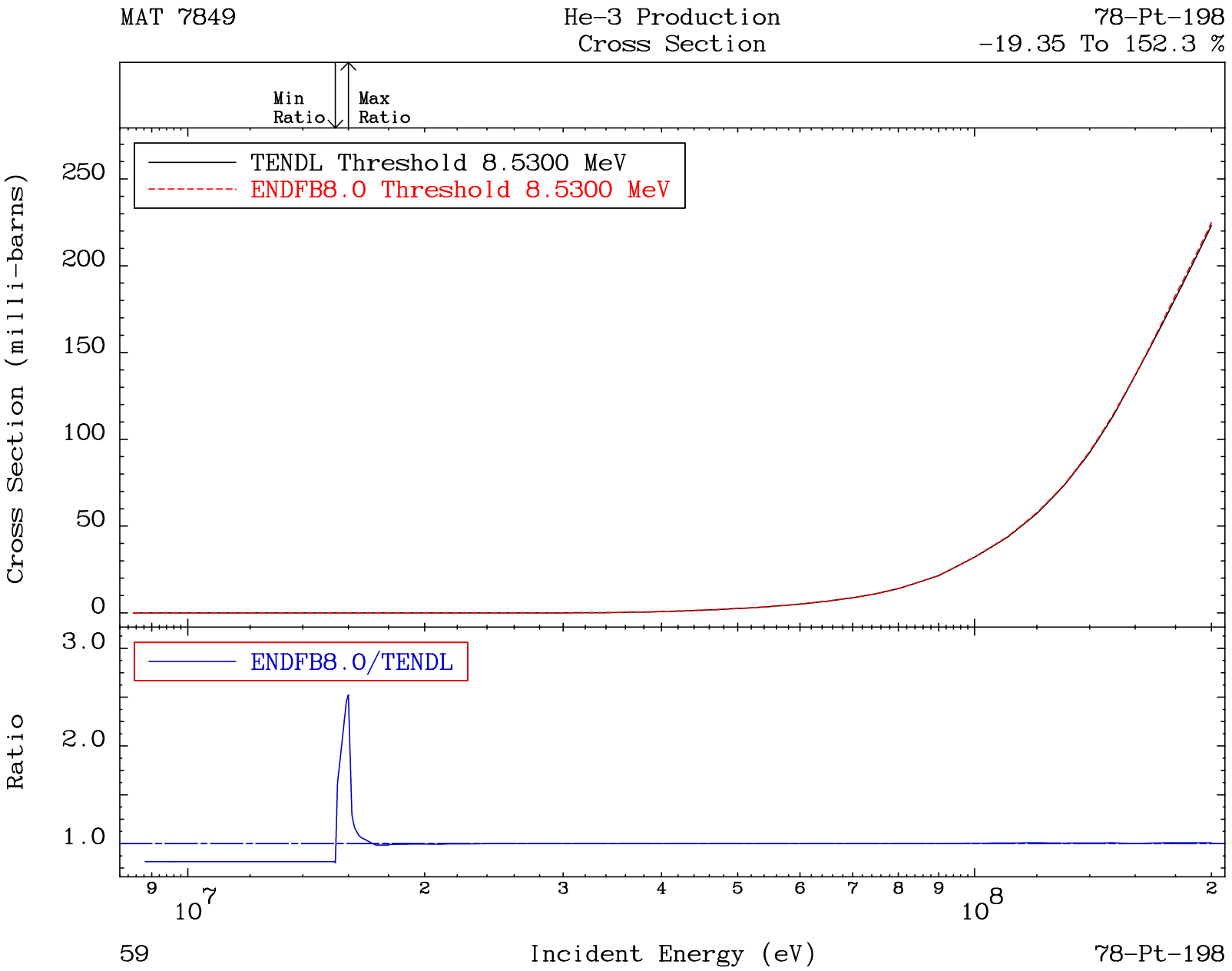

MAT 7849
(n,α)
Cross Section
78-Pt-198
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6129 keV
ENDFB8.0
Cross Section (milli-barns)
0
1
2
3
4
5
6
ENDFB8.0/TENDL
Ratio
0
40
80
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
54
78-Pt-198

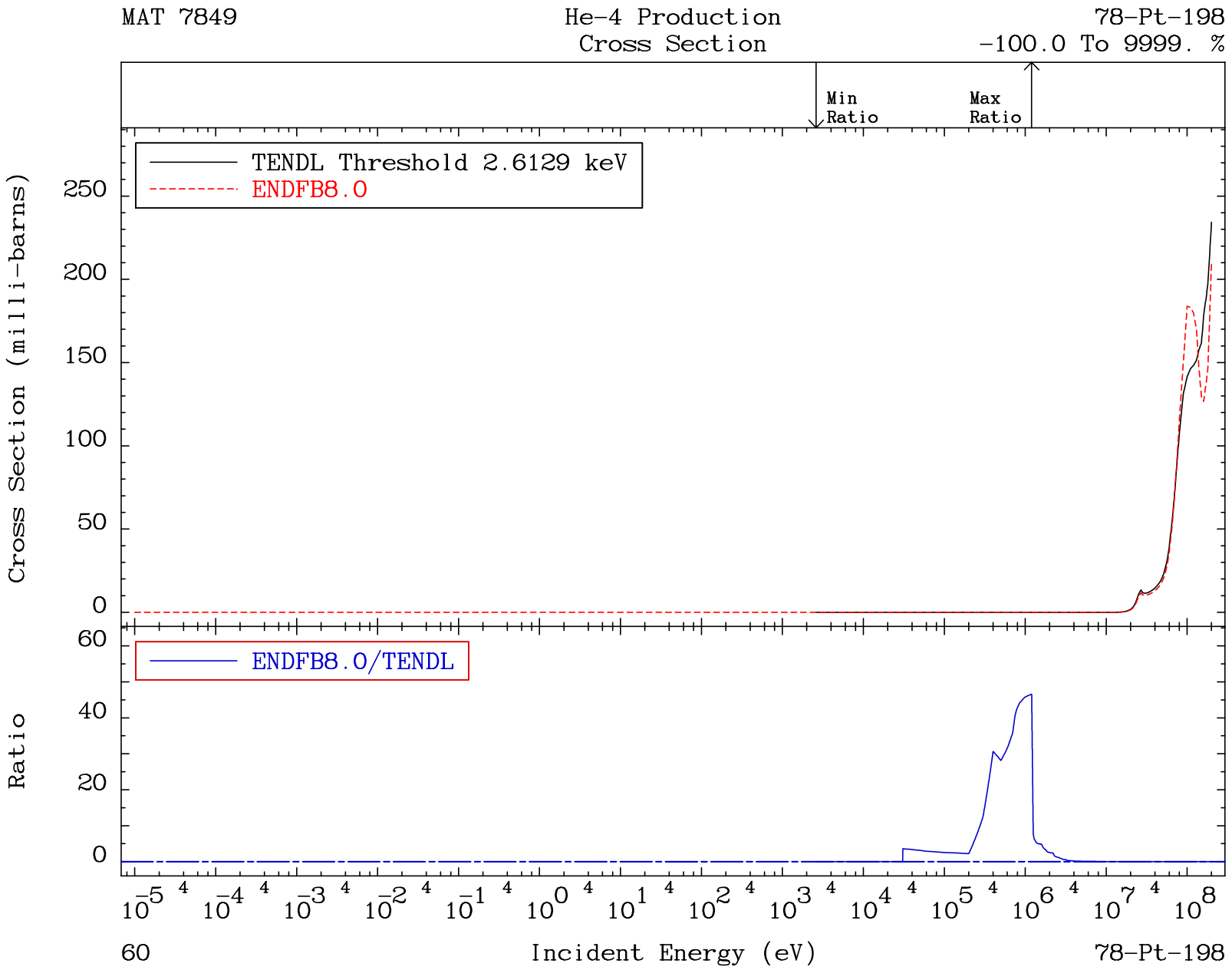

MAT 7849
(n,2p)
Cross Section
78-Pt-198
-92.55 To 767.1 %
Min Ratio
Max Ratio
TENDL Threshold 11.388 MeV
ENDFB8.0 Threshold 11.160 MeV
Cross Section (10^{-9} barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^{1}
10^{0}
10^{-1}
4
2
3
4
5
6
7
8
9
10^{8}
2
55
Incident Energy (eV)
78-Pt-198

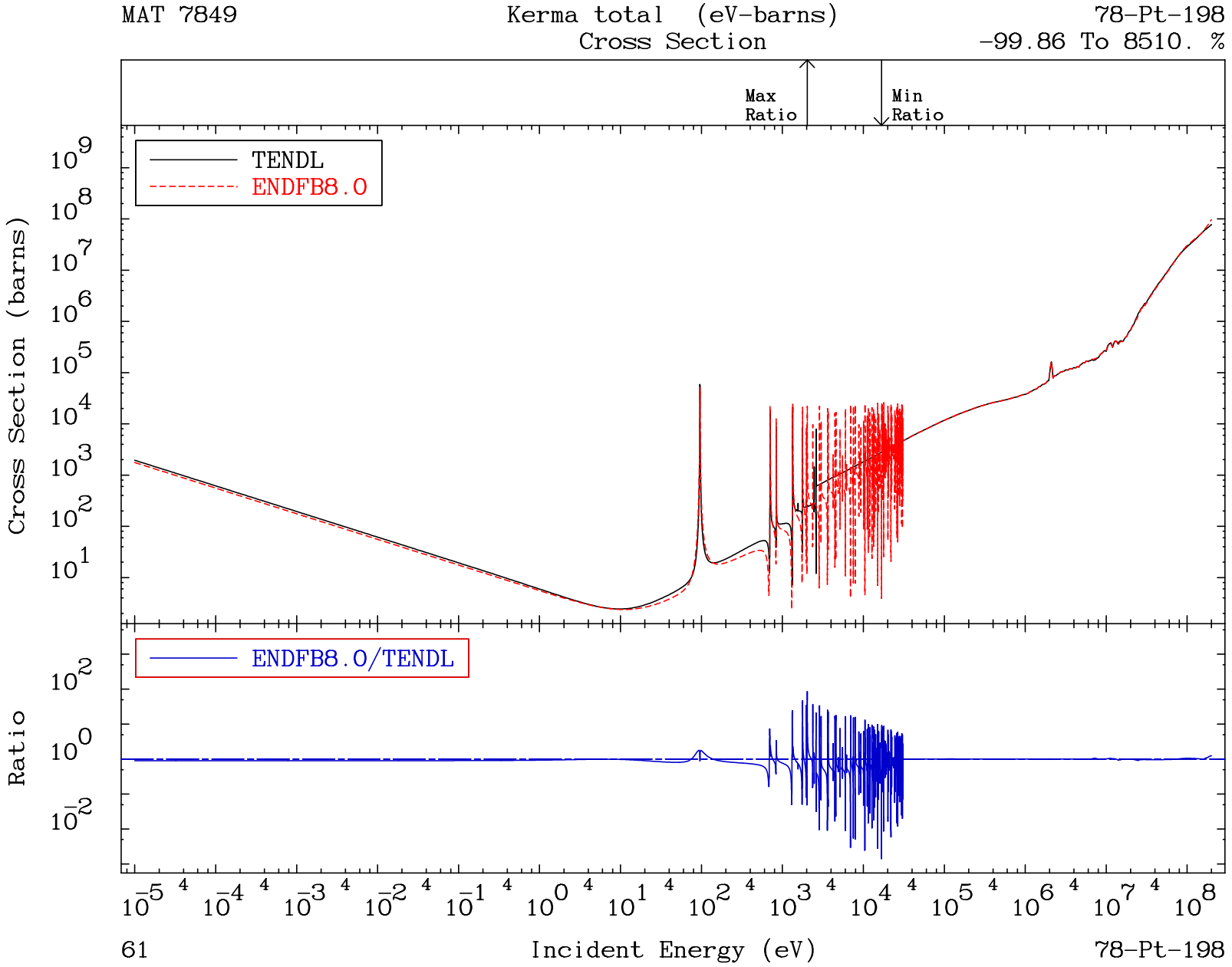

MAT 7849
Hydrogen Production
Cross Section
78-Pt-198
-6.129 To 2362. %
Max Ratio
Min Ratio
TENDL Threshold 3.4291 MeV
ENDFB8.0 Threshold 3.3192 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^1
10^0
4
4
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
56
Incident Energy (eV)
78-Pt-198

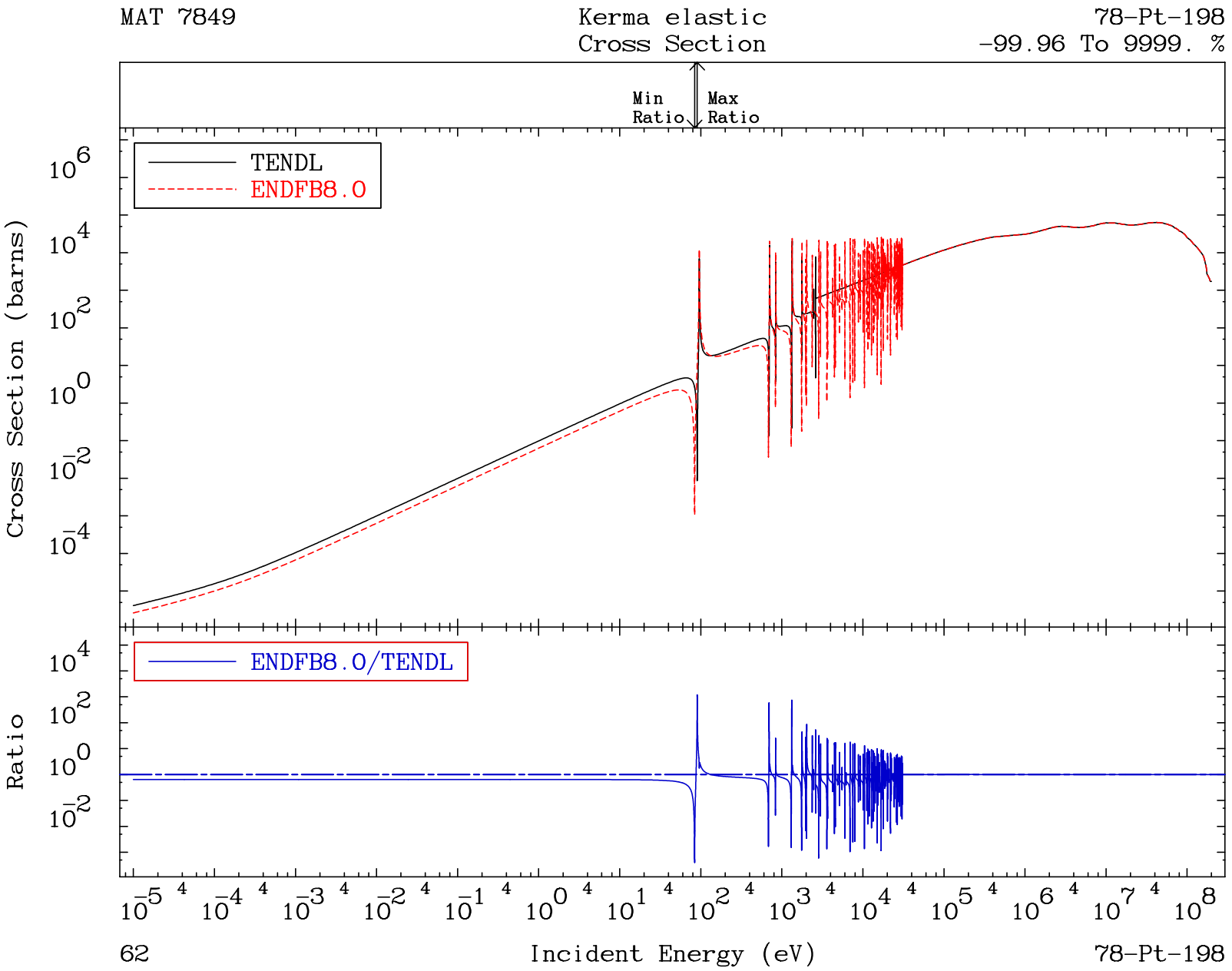

MAT 7849
Deuterium Production
Cross Section
78-Pt-198
-3.600 To 219.6 %
Min
Ratio
Max
Ratio
TENDL Threshold 6.7385 MeV
ENDFB8.0 Threshold 6.7385 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
57
Incident Energy (eV)
78-Pt-198

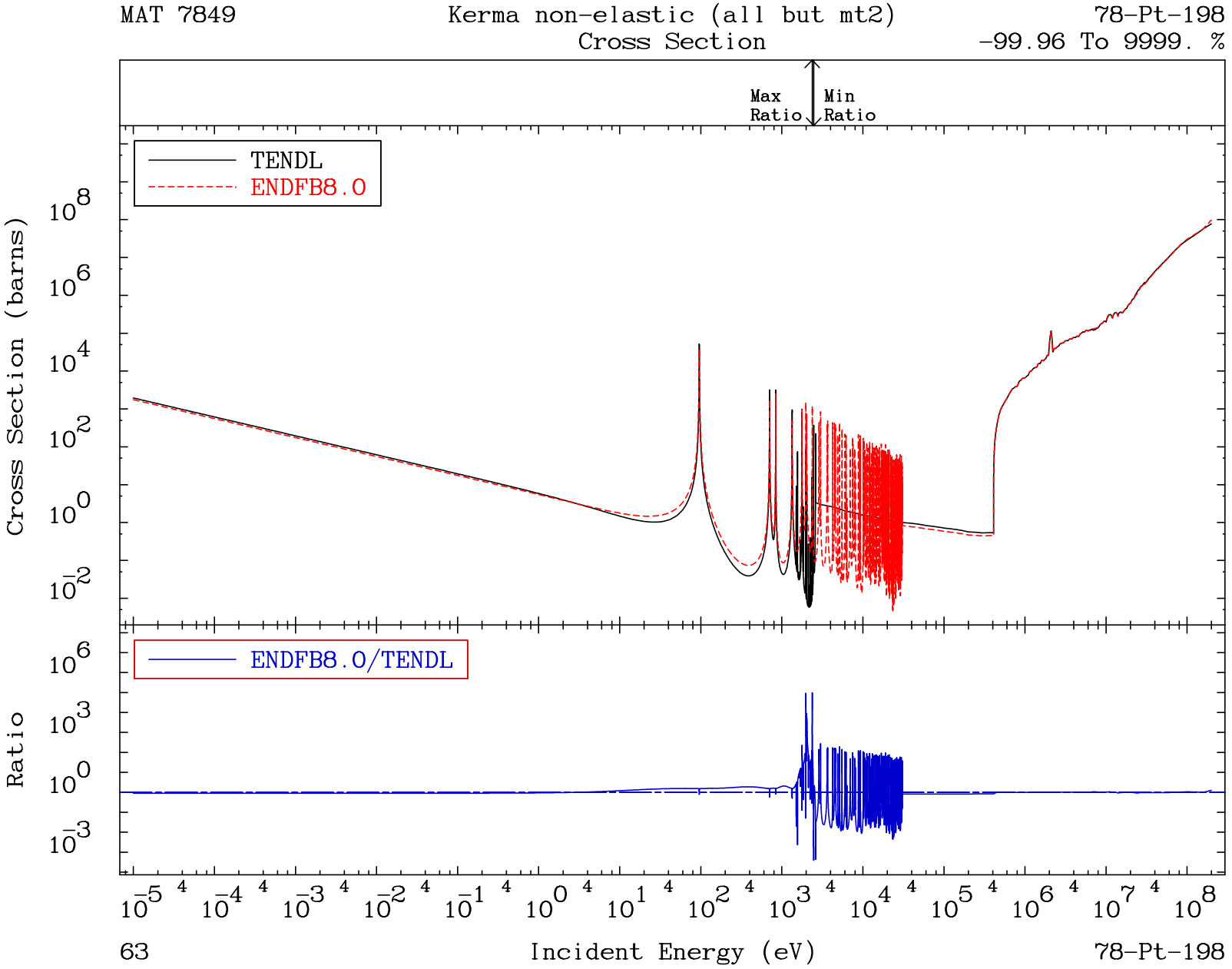

MAT 7849
Tritium Production
Cross Section
78-Pt-198
-0.883 To 166.9 %
Min
Ratio
Max
Ratio
TENDL Threshold 7.3844 MeV
ENDFB8.0 Threshold 7.3844 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
58
Incident Energy (eV)
78-Pt-198

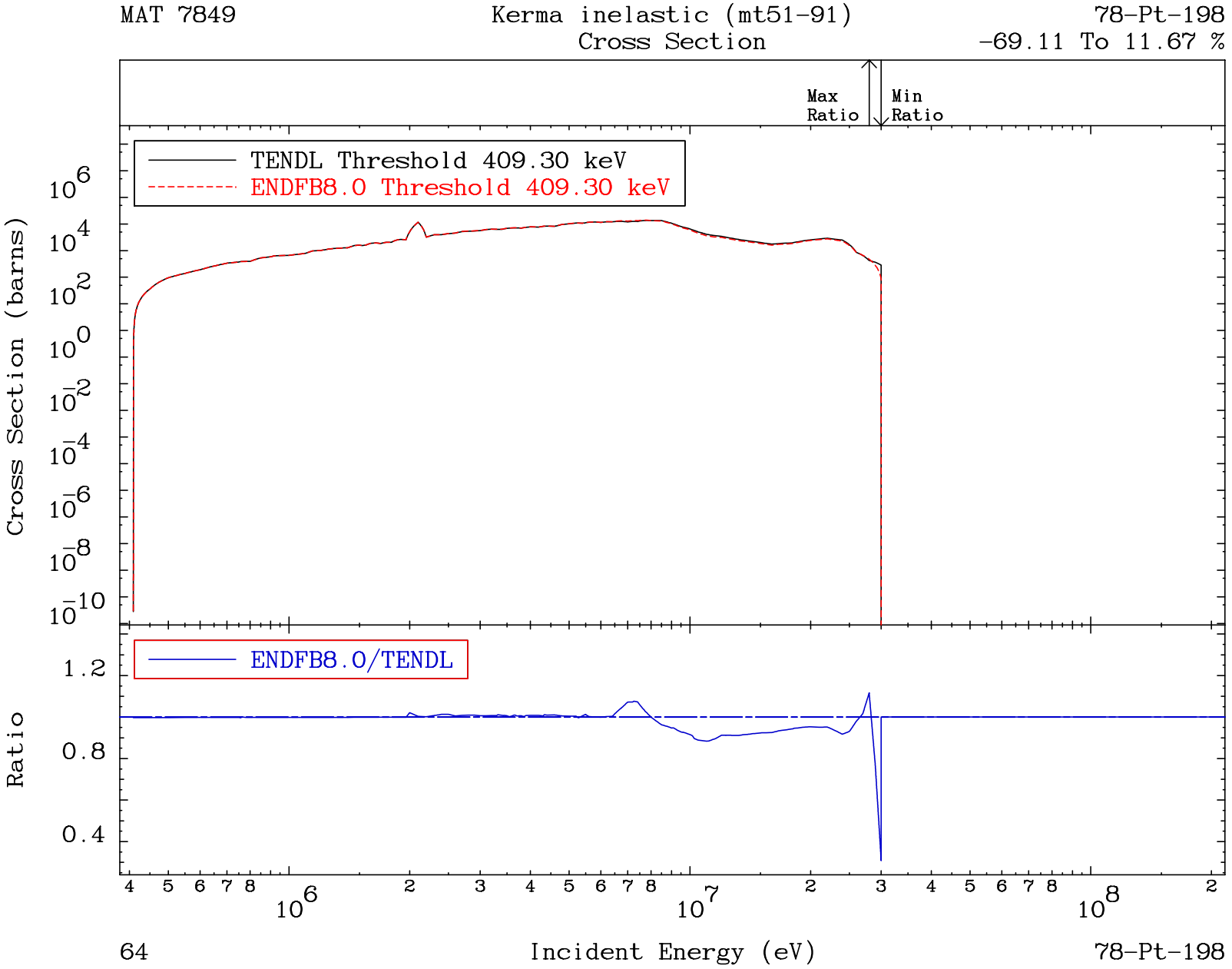

MAT 7849
He-3 Production
Cross Section
78-Pt-198
-19.35 To 152.3 %
Min Ratio
Max Ratio
TENDL Threshold 8.5300 MeV
ENDFB8.0 Threshold 8.5300 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
78-Pt-198

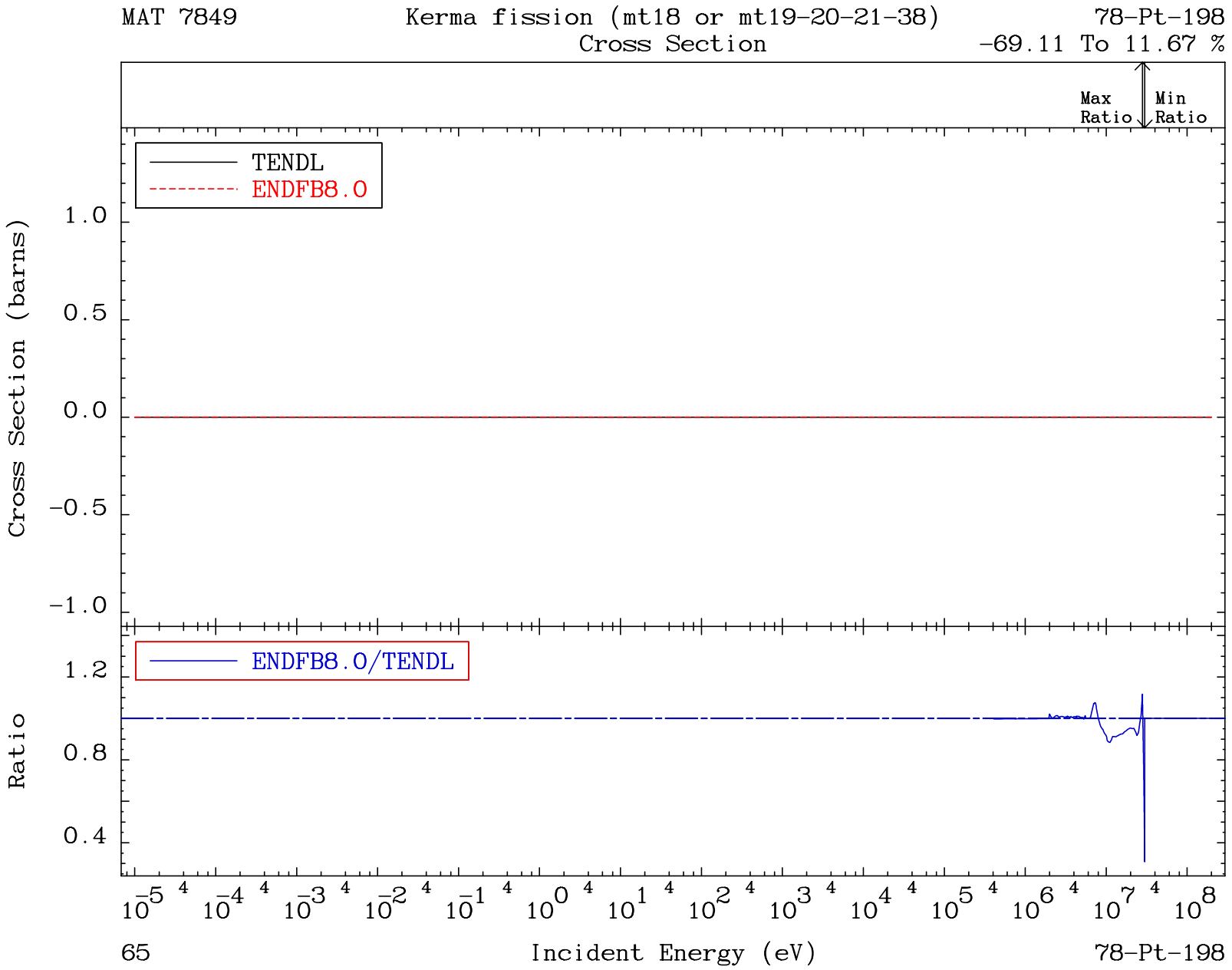

MAT 7849
He-4 Production
Cross Section
78-Pt-198
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6129 keV
ENDFB8.0
Cross Section (milli-barns)
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
60
40
20
0
10-5 10-4 10-3 10-2 10-1 100 101 102 103 104 105 106 107 108
Incident Energy (eV)
60
78-Pt-198

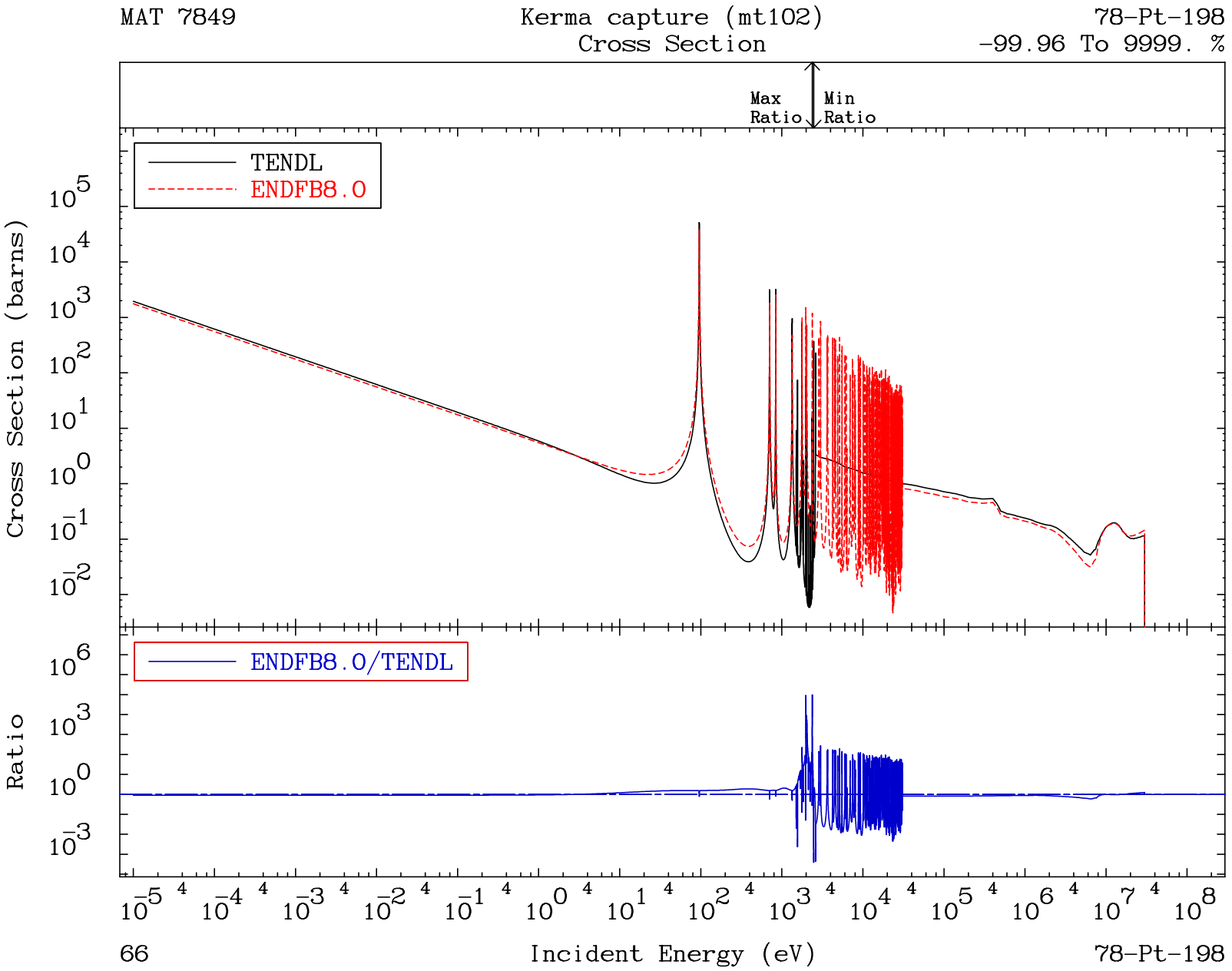

MAT 7849
Kerma total (eV-barns)
Cross Section
78-Pt-198
-99.86 To 8510. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
61
78-Pt-198

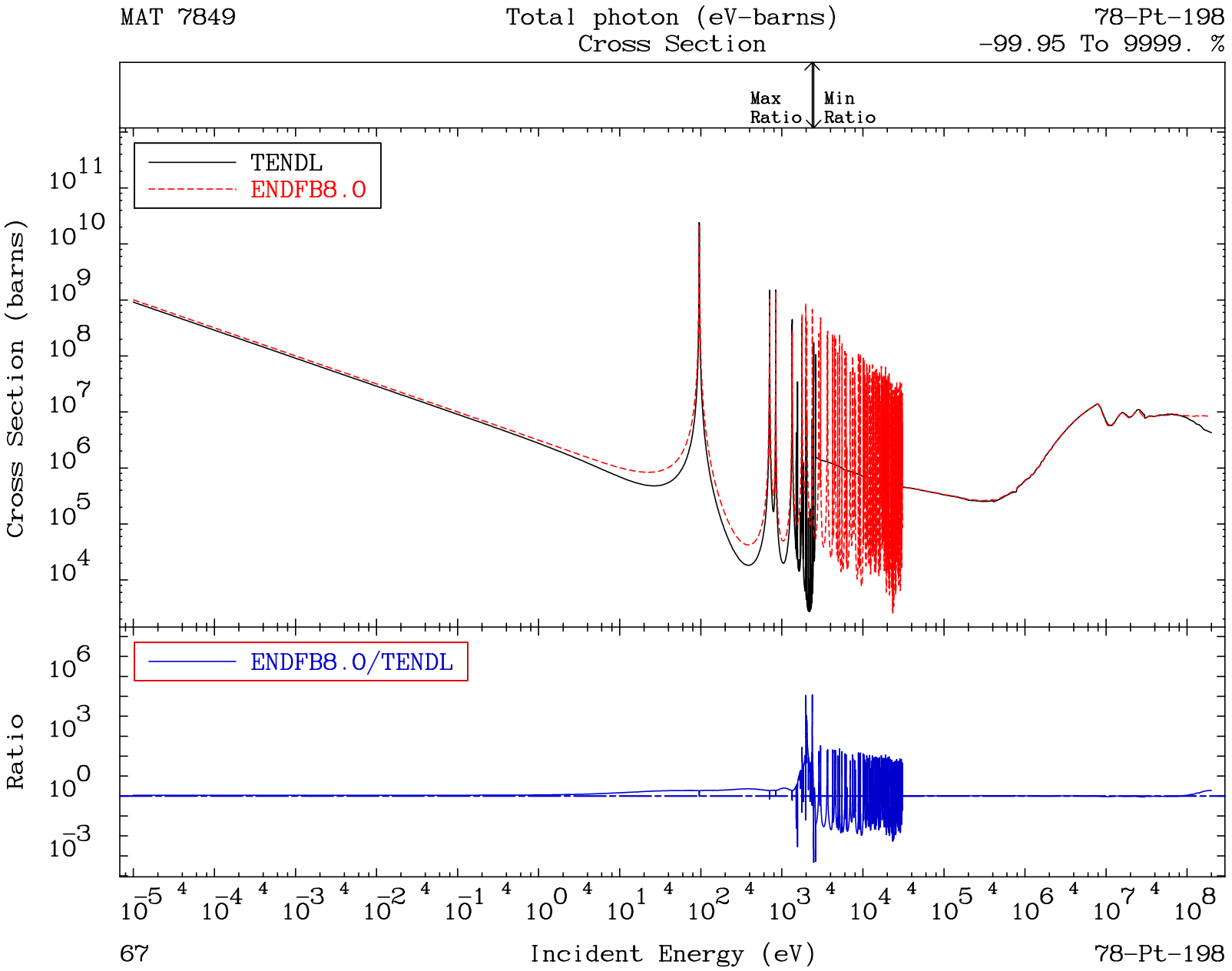

MAT 7849
Kerma elastic
Cross Section
78-Pt-198
-99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
62
78-Pt-198

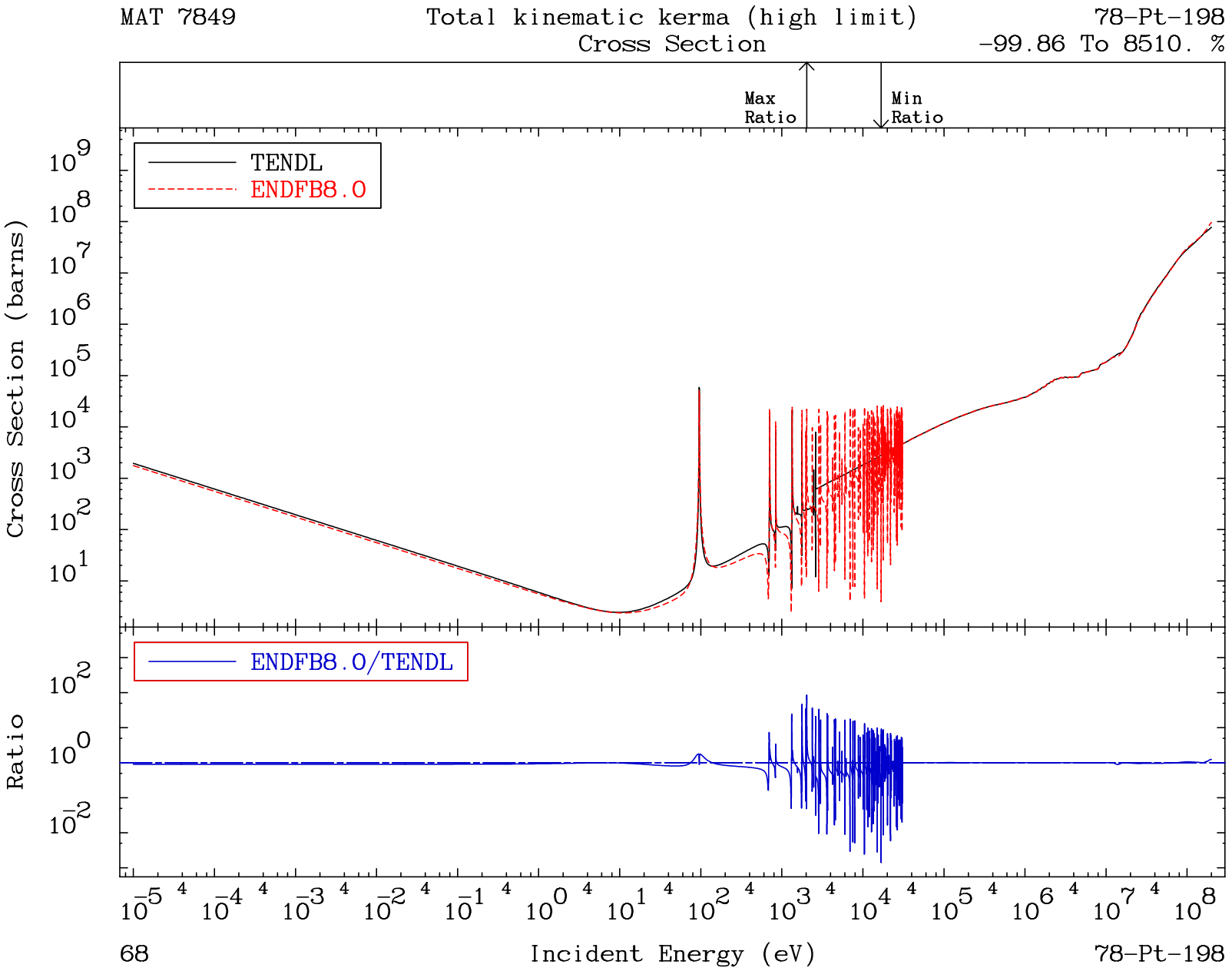

MAT 7849
Kerma non-elastic (all but mt2)
Cross Section
78-Pt-198
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
63
78-Pt-198

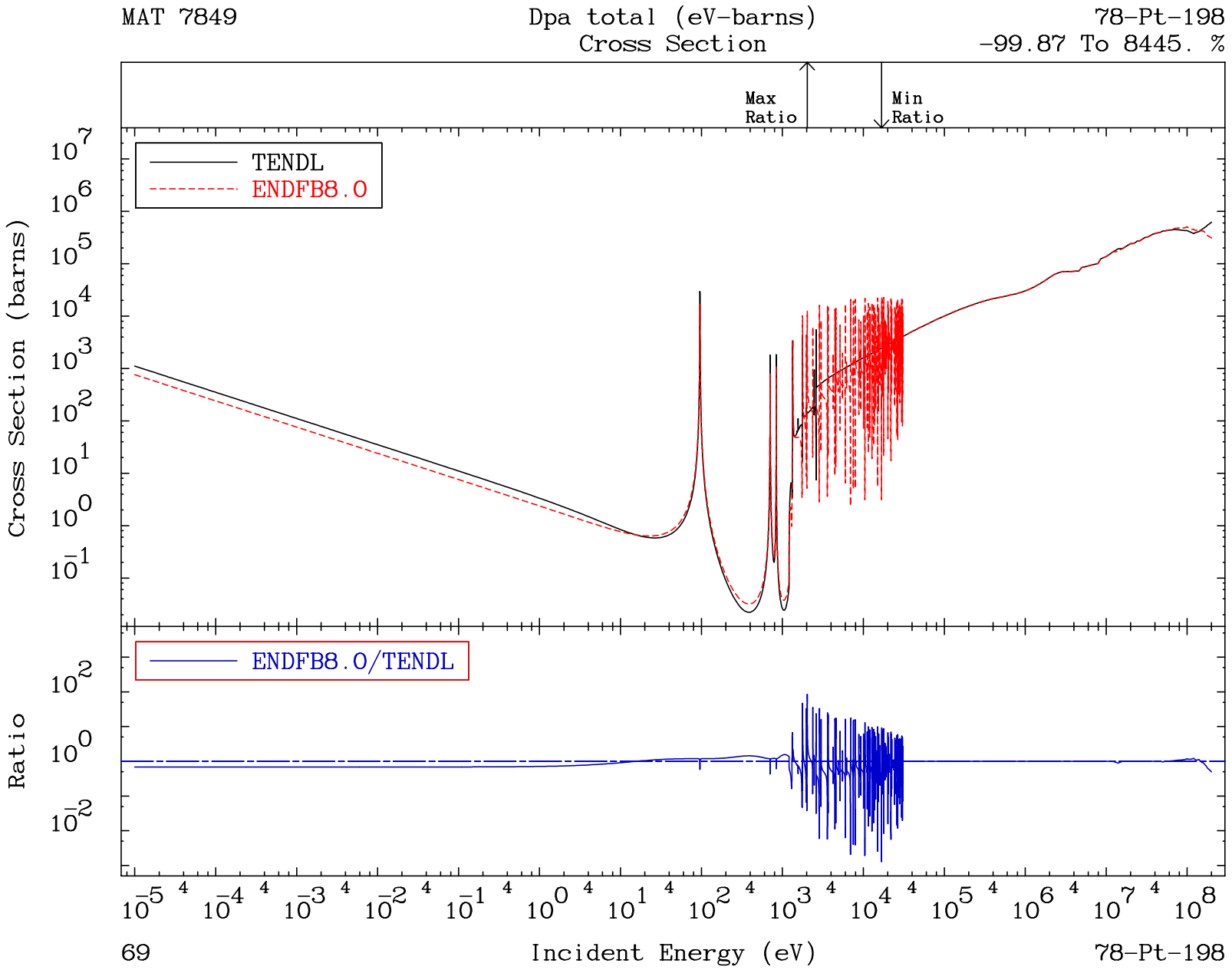

MAT 7849
Kerma inelastic (mt51-91)
Cross Section
78-Pt-198
-69.11 To 11.67 %
Max Ratio
Min Ratio
TENDL Threshold 409.30 keV
ENDFB8.0 Threshold 409.30 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
64
78-Pt-198

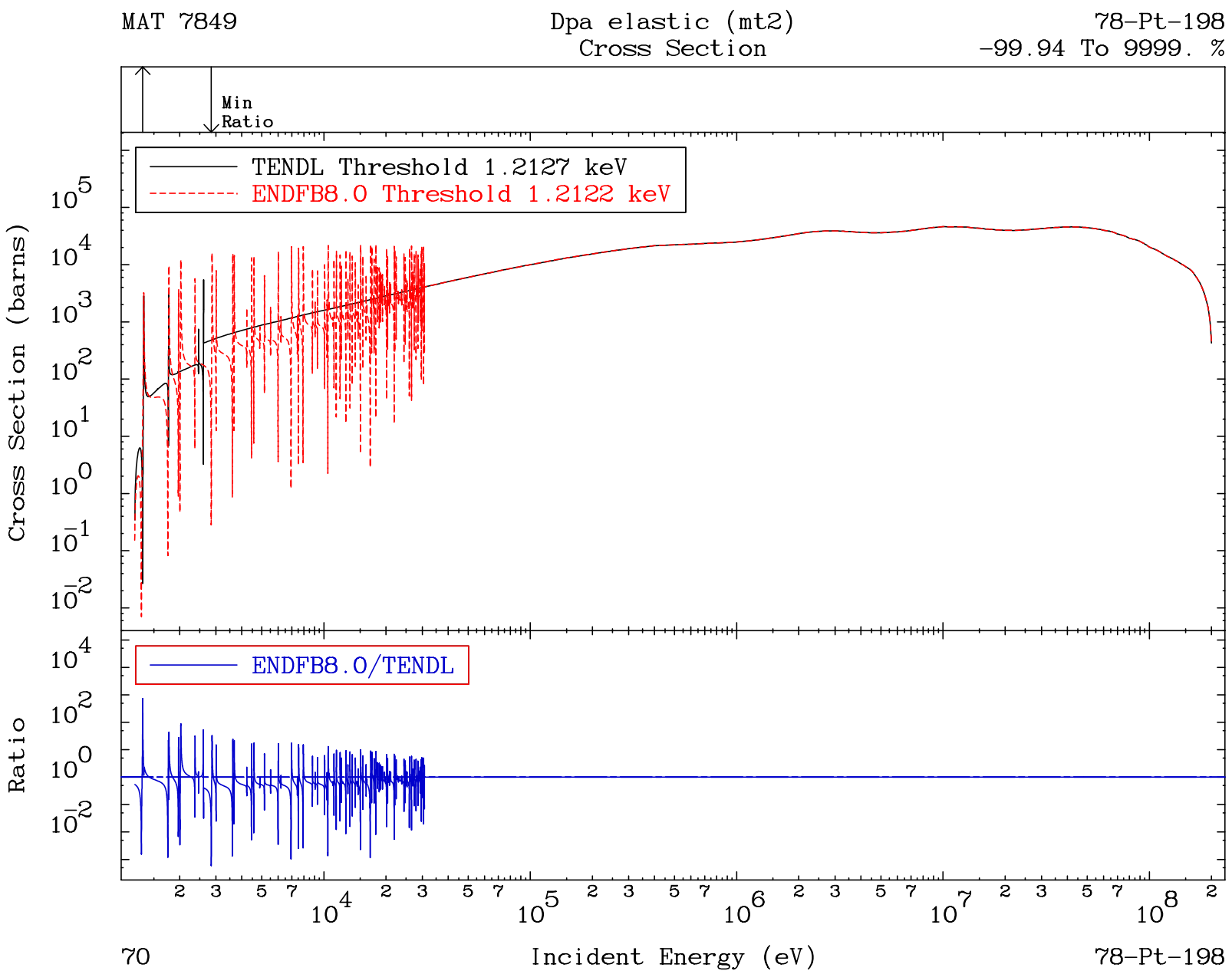

MAT 7849
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
78-Pt-198
-69.11 To 11.67 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
ENDFB8.0/TENDL
Ratio
1.2
0.8
0.4
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
65
Incident Energy (eV)
78-Pt-198

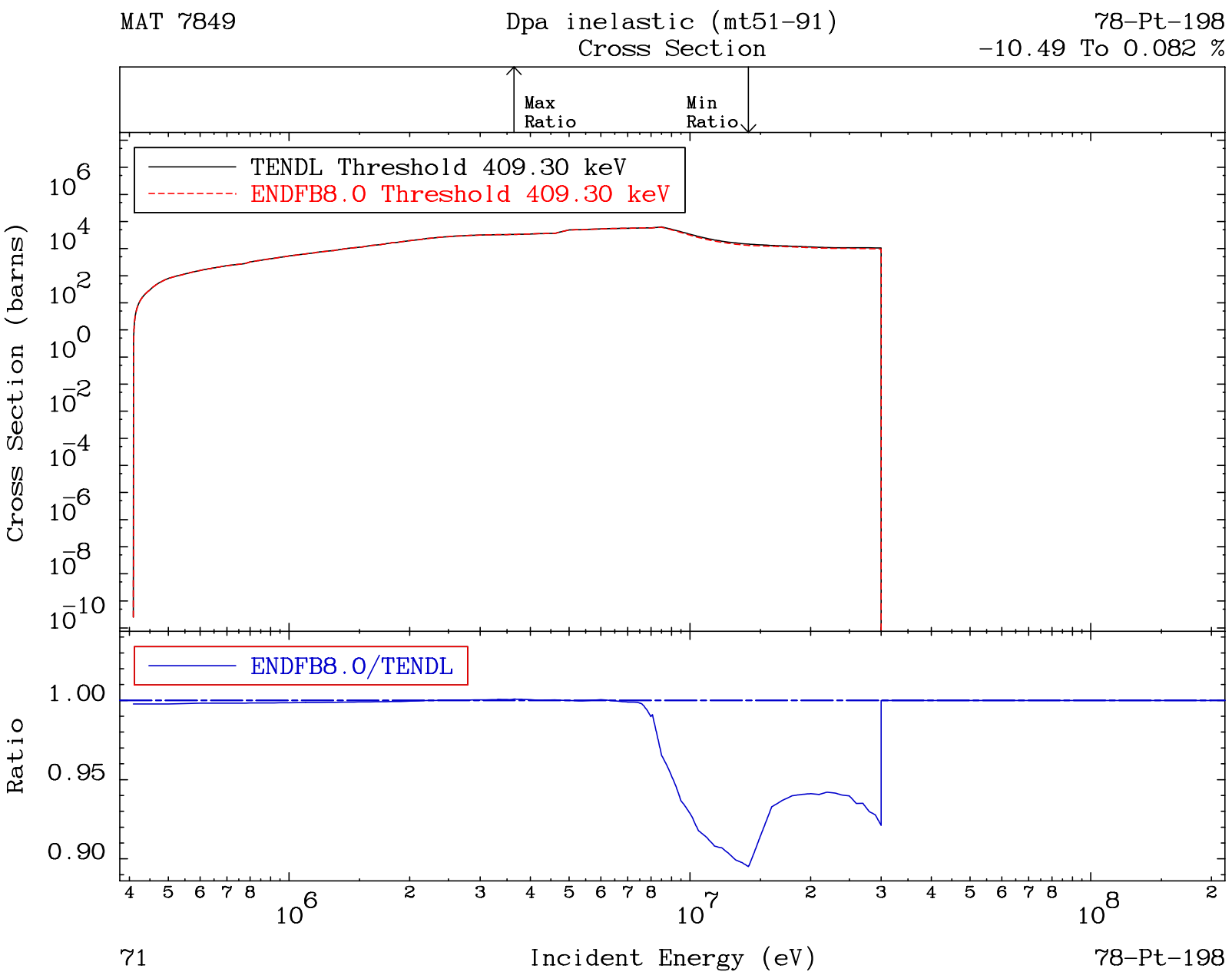

MAT 7849
Kerma capture (mt102)
Cross Section
78-Pt-198
-99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
66
78-Pt-198

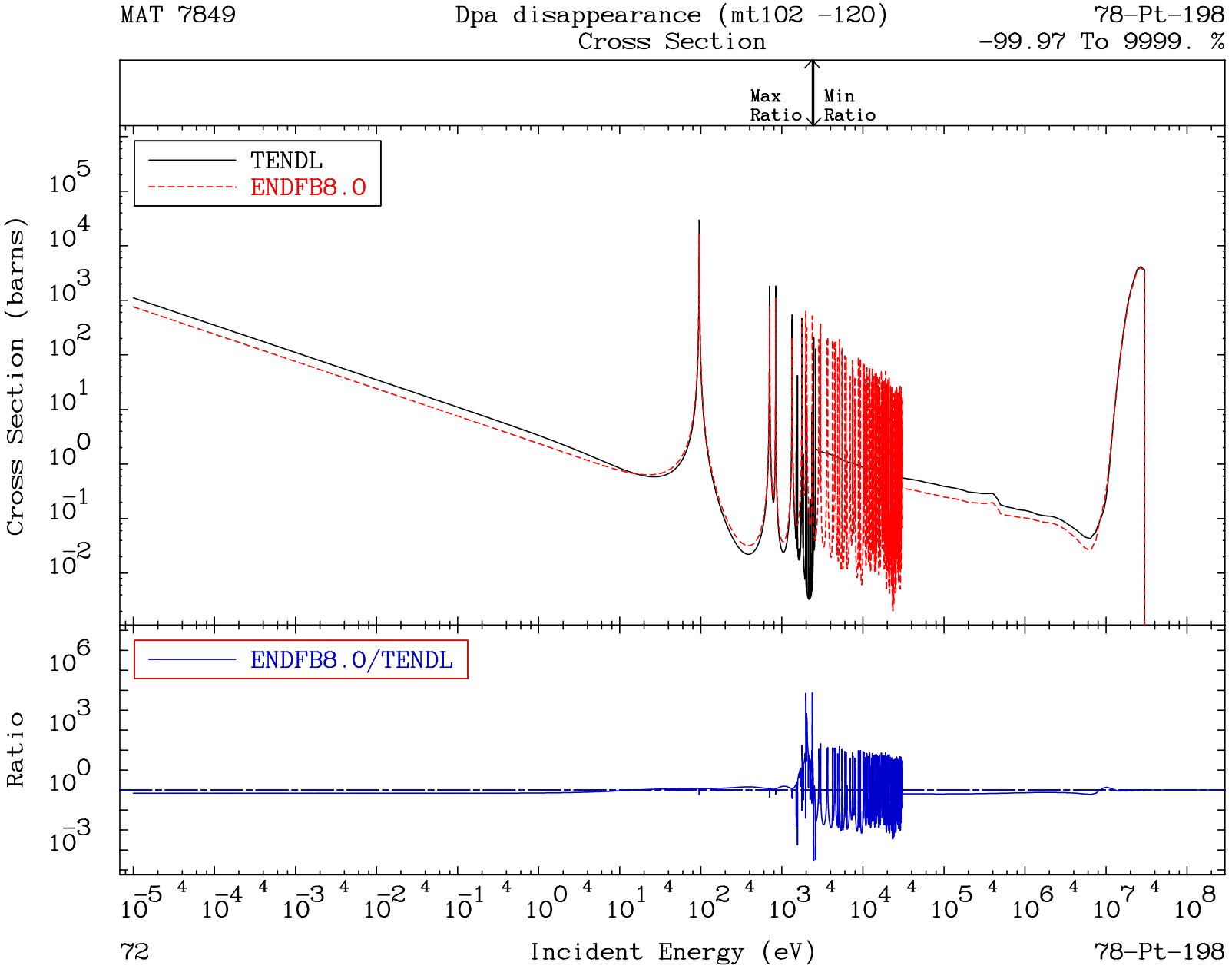

MAT 7849
Total photon (eV-barns)
Cross Section
78-Pt-198
-99.95 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
67
78-Pt-198

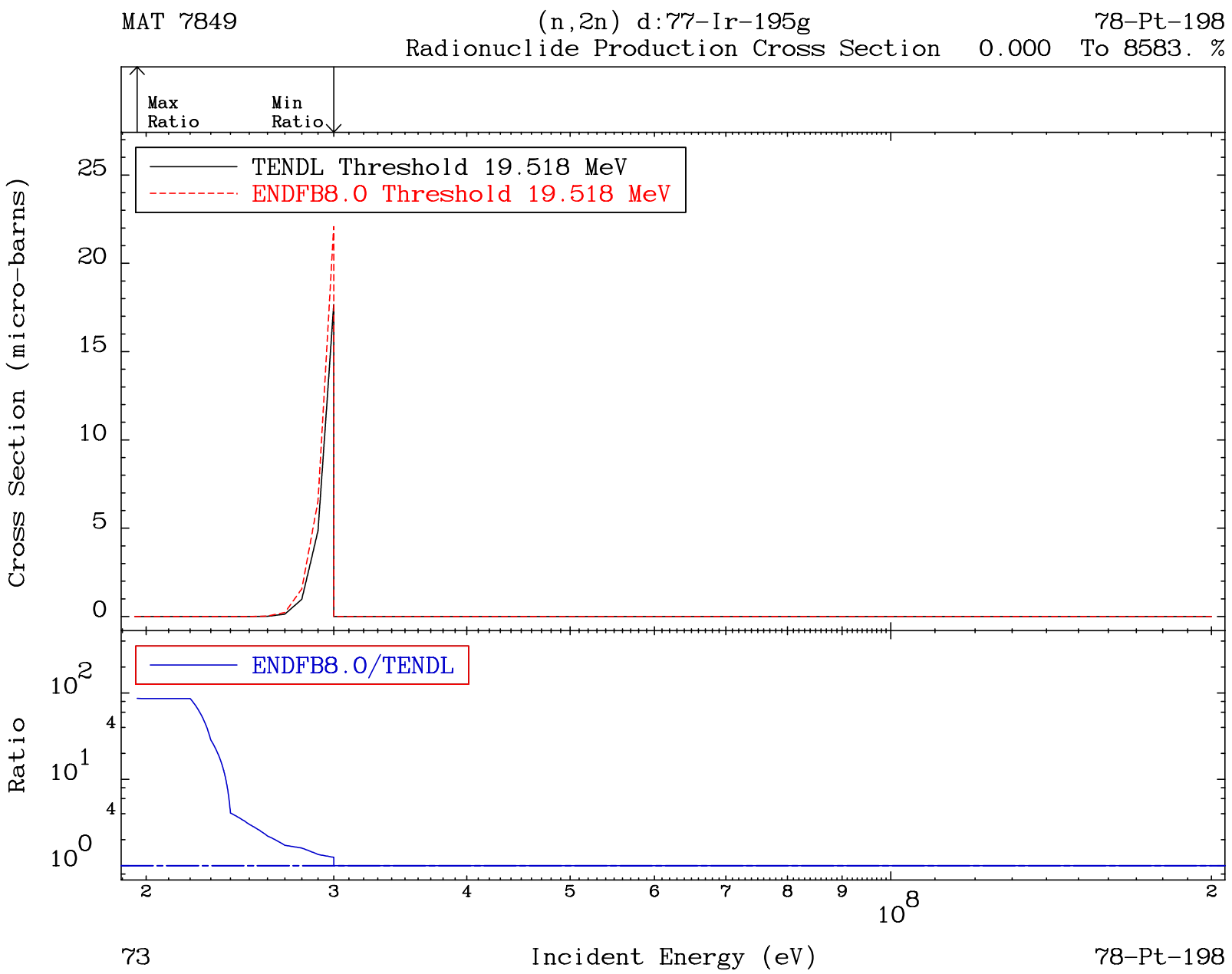

MAT 7849
Total kinematic kerma (high limit)
Cross Section
78-Pt-198
-99.86 To 8510. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
68
78-Pt-198

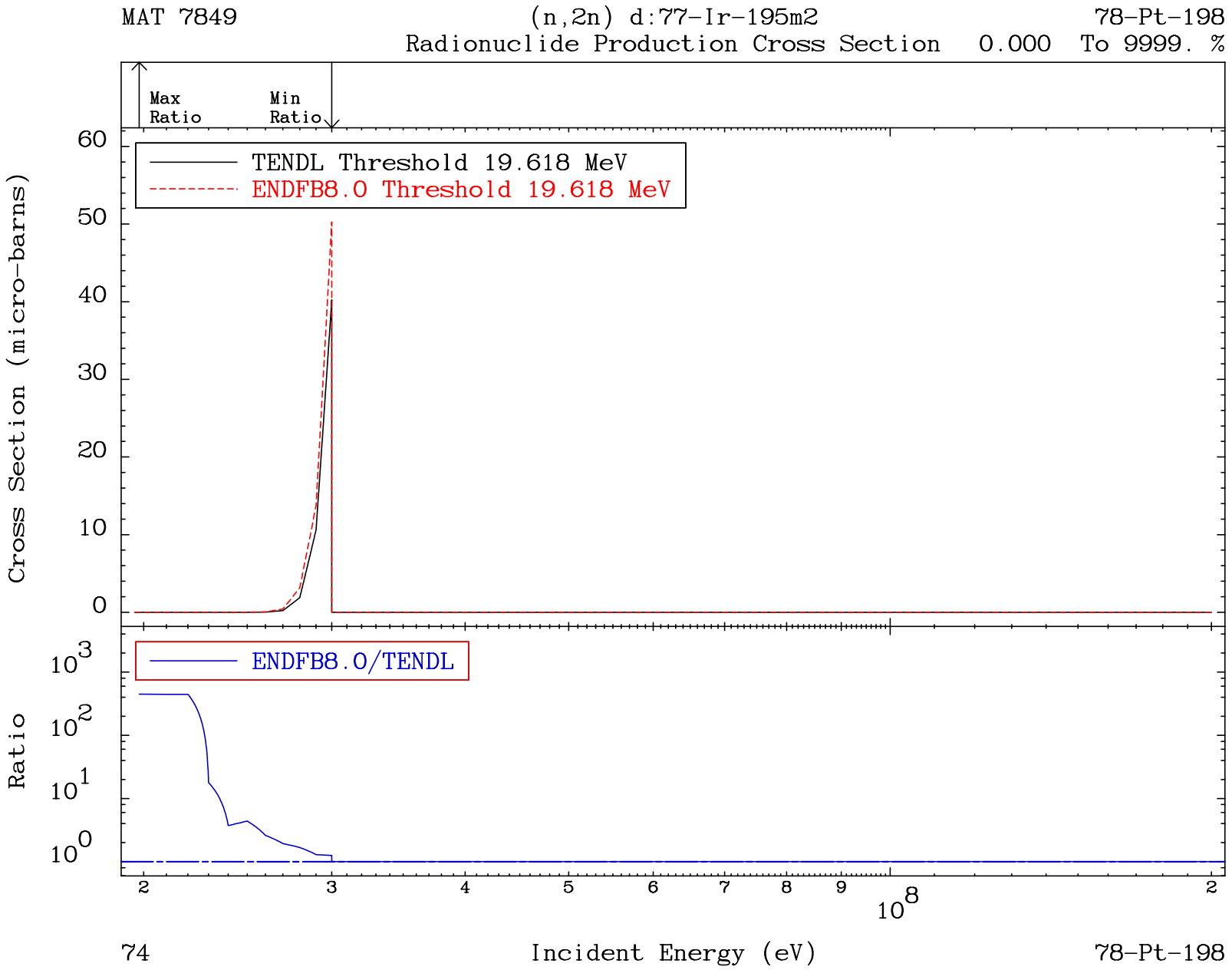

MAT 7849
Dpa total (eV-barns)
Cross Section
78-Pt-198
-99.87 To 8445. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
69
78-Pt-198

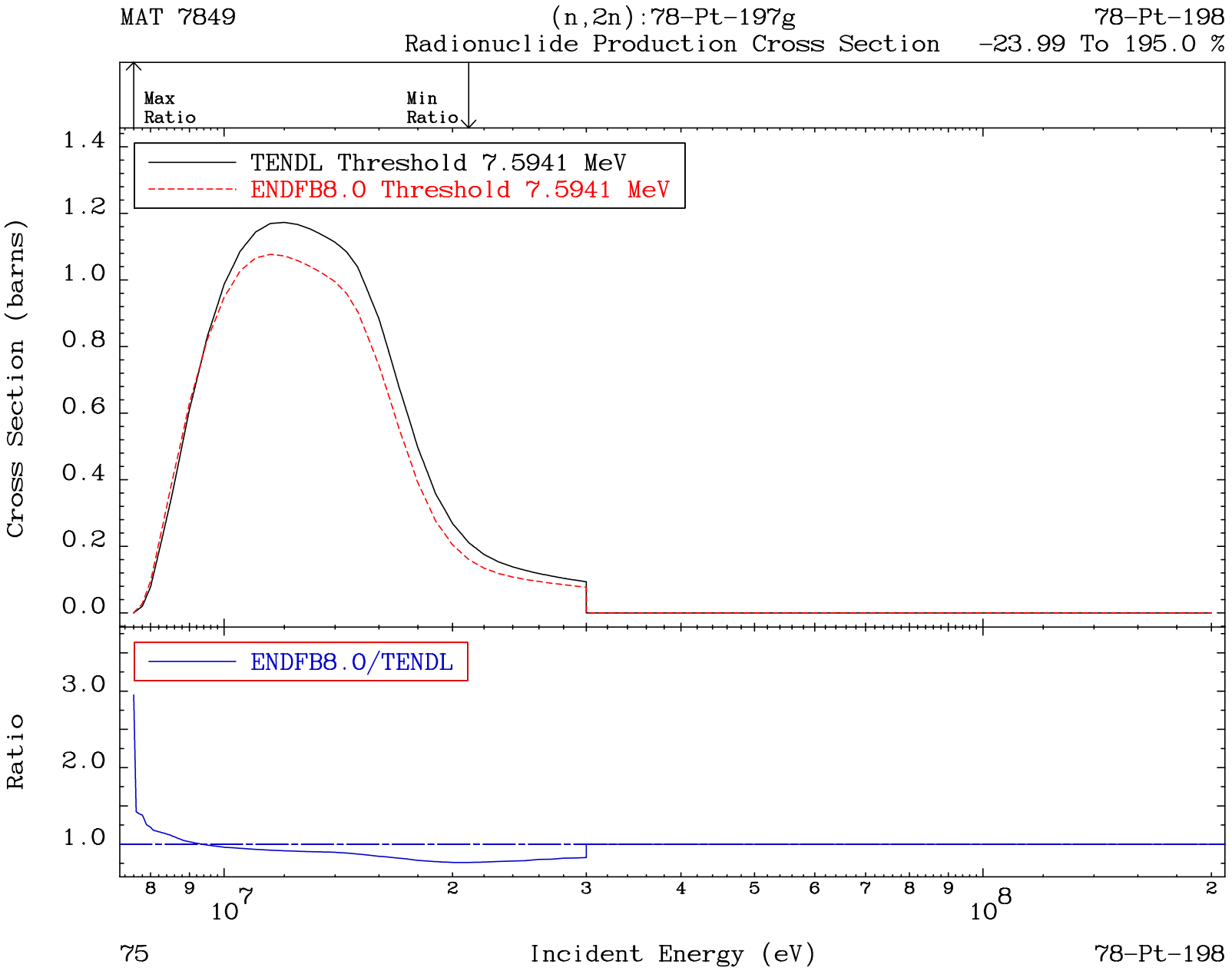

MAT 7849
Dpa elastic (mt2)
Cross Section
78-Pt-198
-99.94 To 9999. %
Min
Ratio
TENDL Threshold 1.2127 keV
ENDFB8.0 Threshold 1.2122 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
70
78-Pt-198

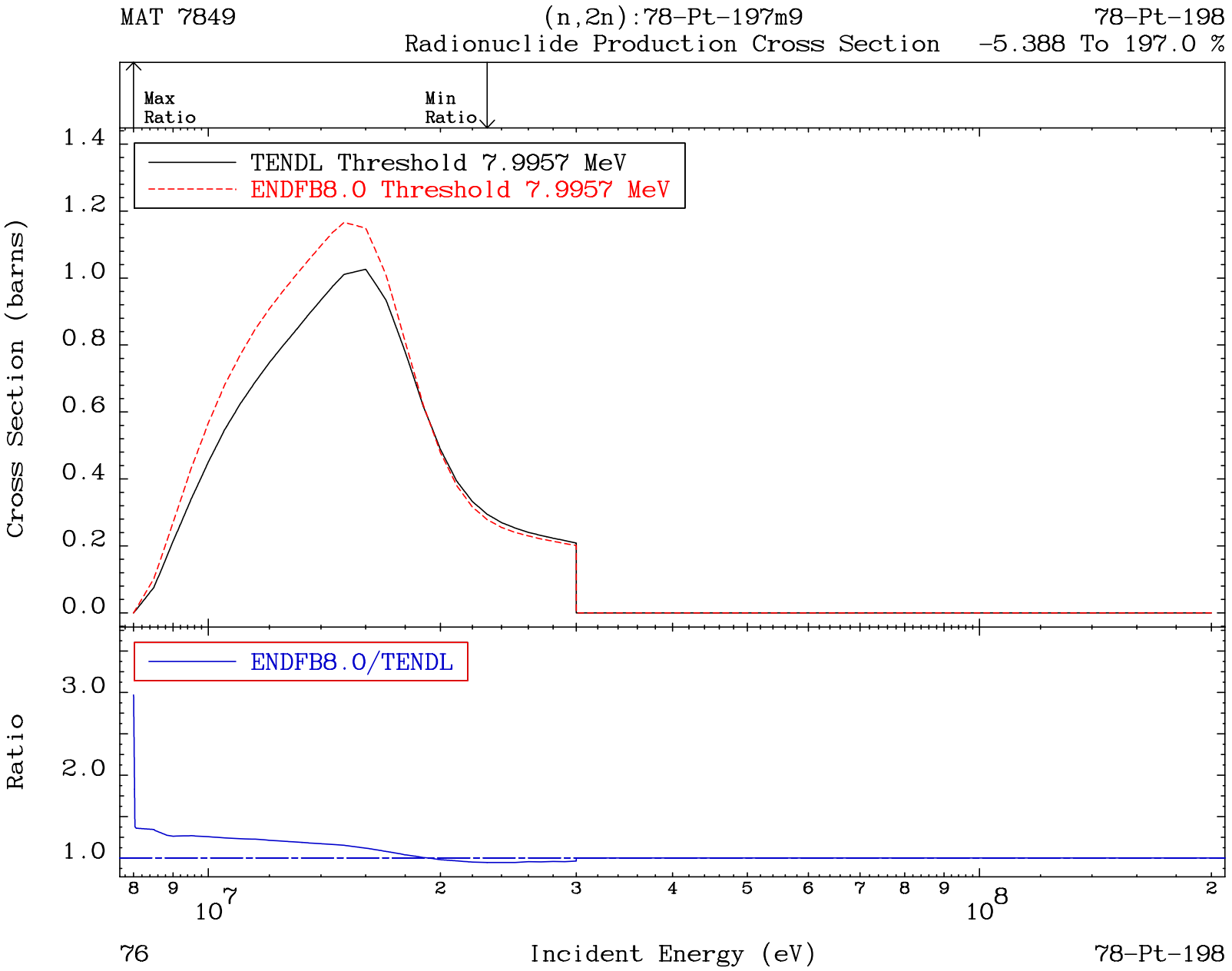

MAT 7849
Dpa inelastic (mt51-91)
Cross Section
78-Pt-198
-10.49 To 0.082 %
Max Ratio
Min Ratio
TENDL Threshold 409.30 keV
ENDFB8.0 Threshold 409.30 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
71
78-Pt-198

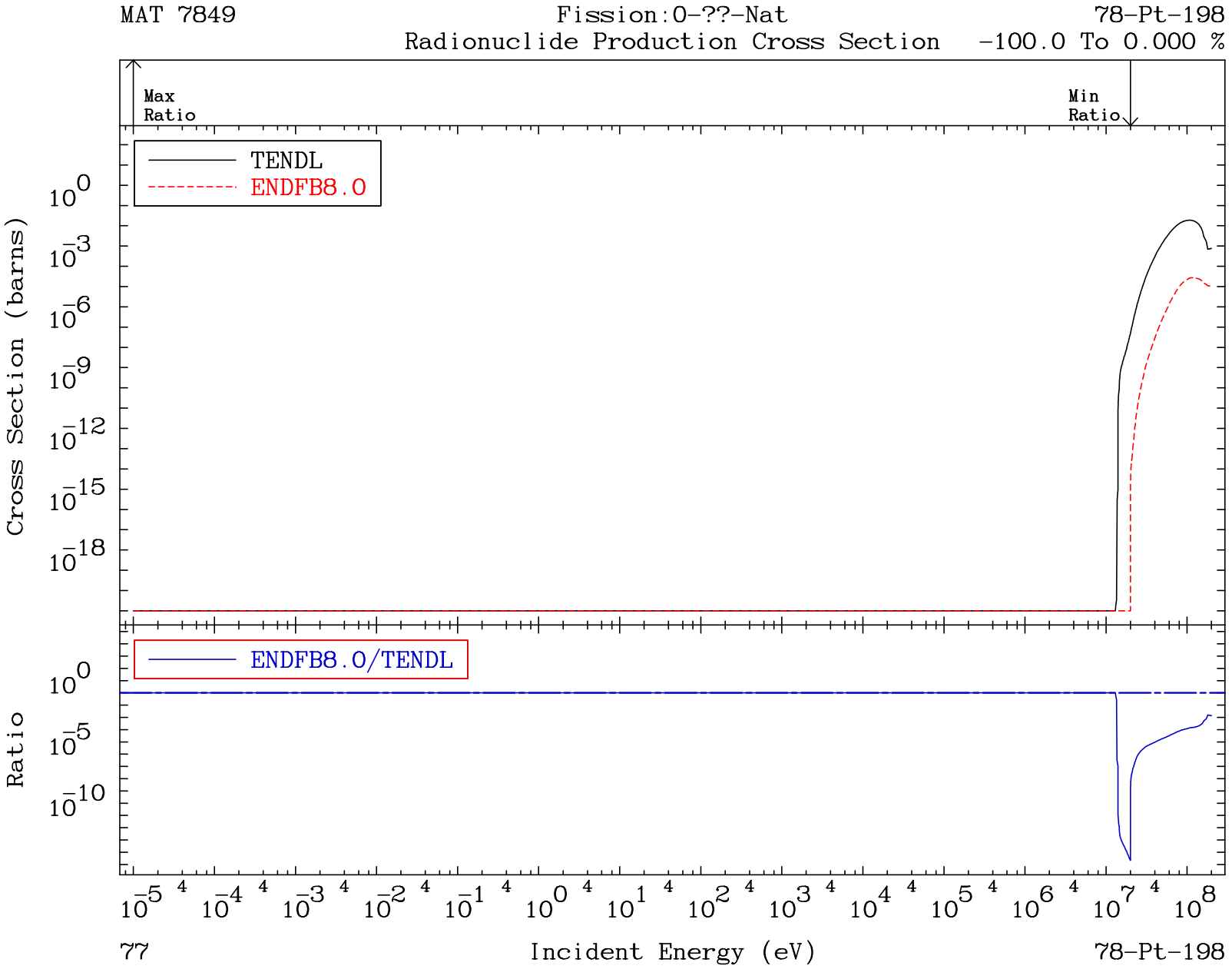

MAT 7849
Dpa disappearance (mt102 -120)
Cross Section
78-Pt-198
-99.97 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
72
78-Pt-198

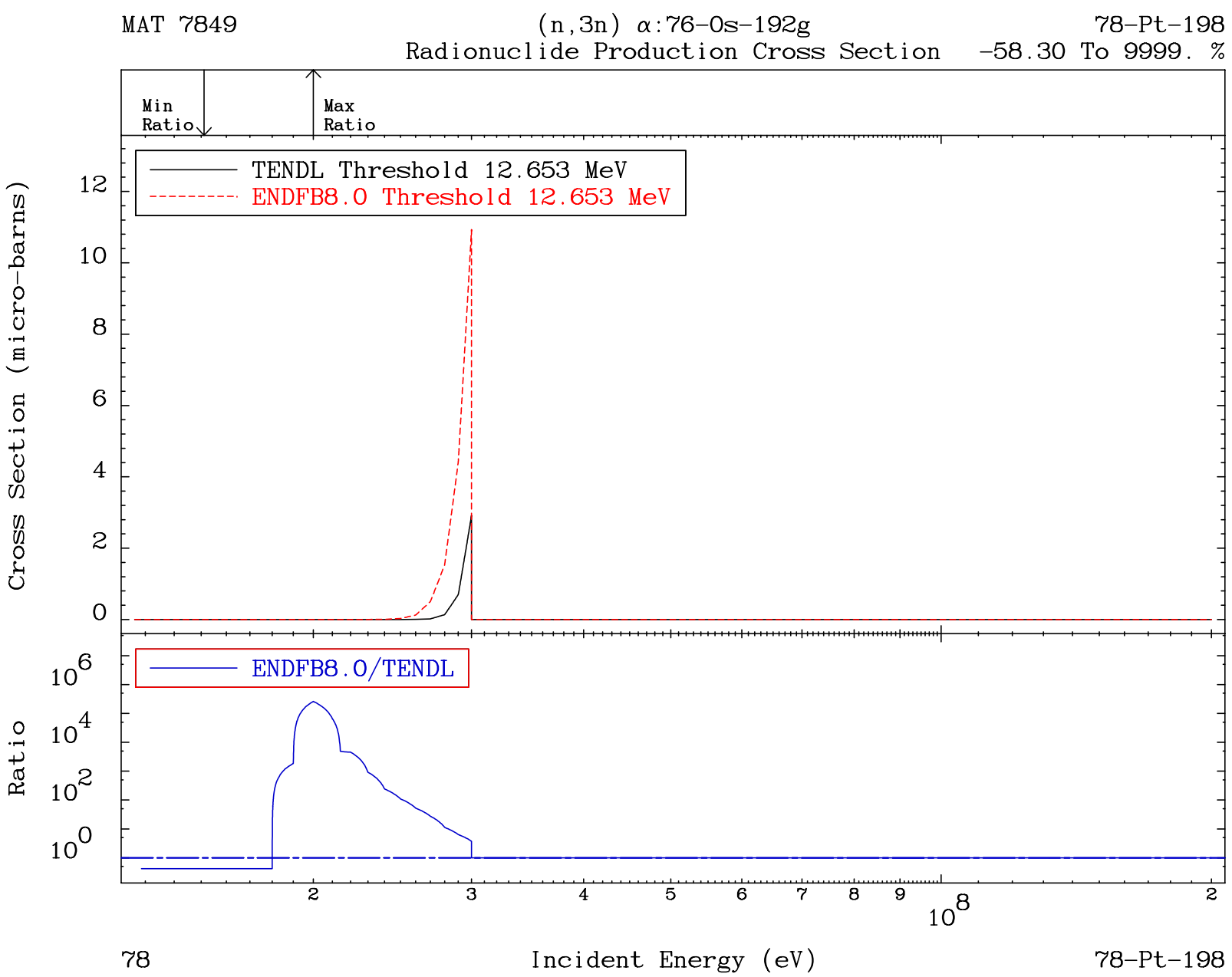

MAT 7849
(n,2n) d:77-Ir-195g
78-Pt-198
Radionuclide Production Cross Section 0.000 To 8583. %
Max Ratio
Min Ratio
TENDL Threshold 19.518 MeV
ENDFB8.0 Threshold 19.518 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
73
Incident Energy (eV)
78-Pt-198

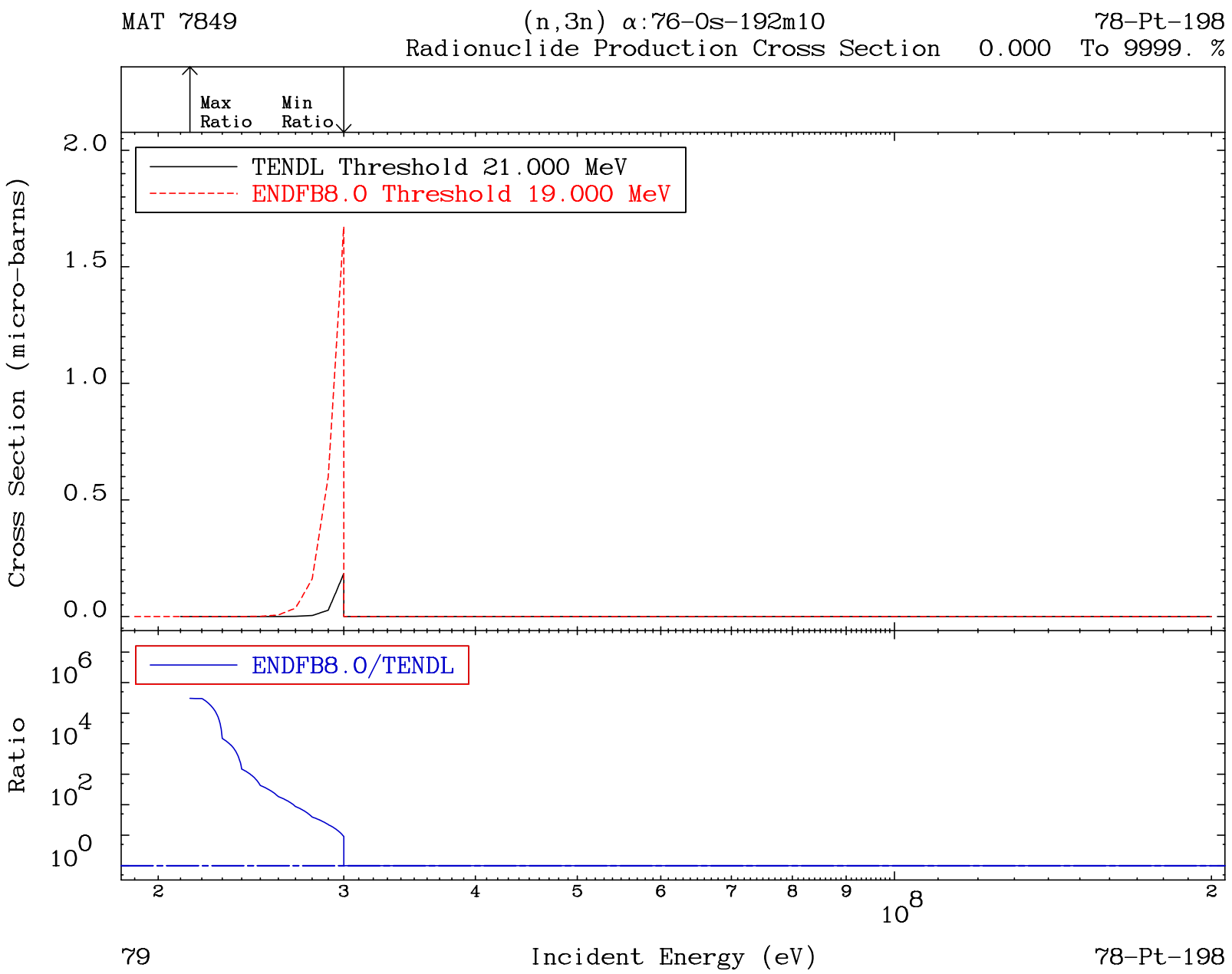

MAT 7849
(n,2n) d:77-Ir-195m2
78-Pt-198
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 19.618 MeV
ENDFB8.0 Threshold 19.618 MeV
Cross Section (micro-barns)
60
50
40
30
20
10
0
ENDFB8.0/TENDL
Ratio
10^3
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
78-Pt-198

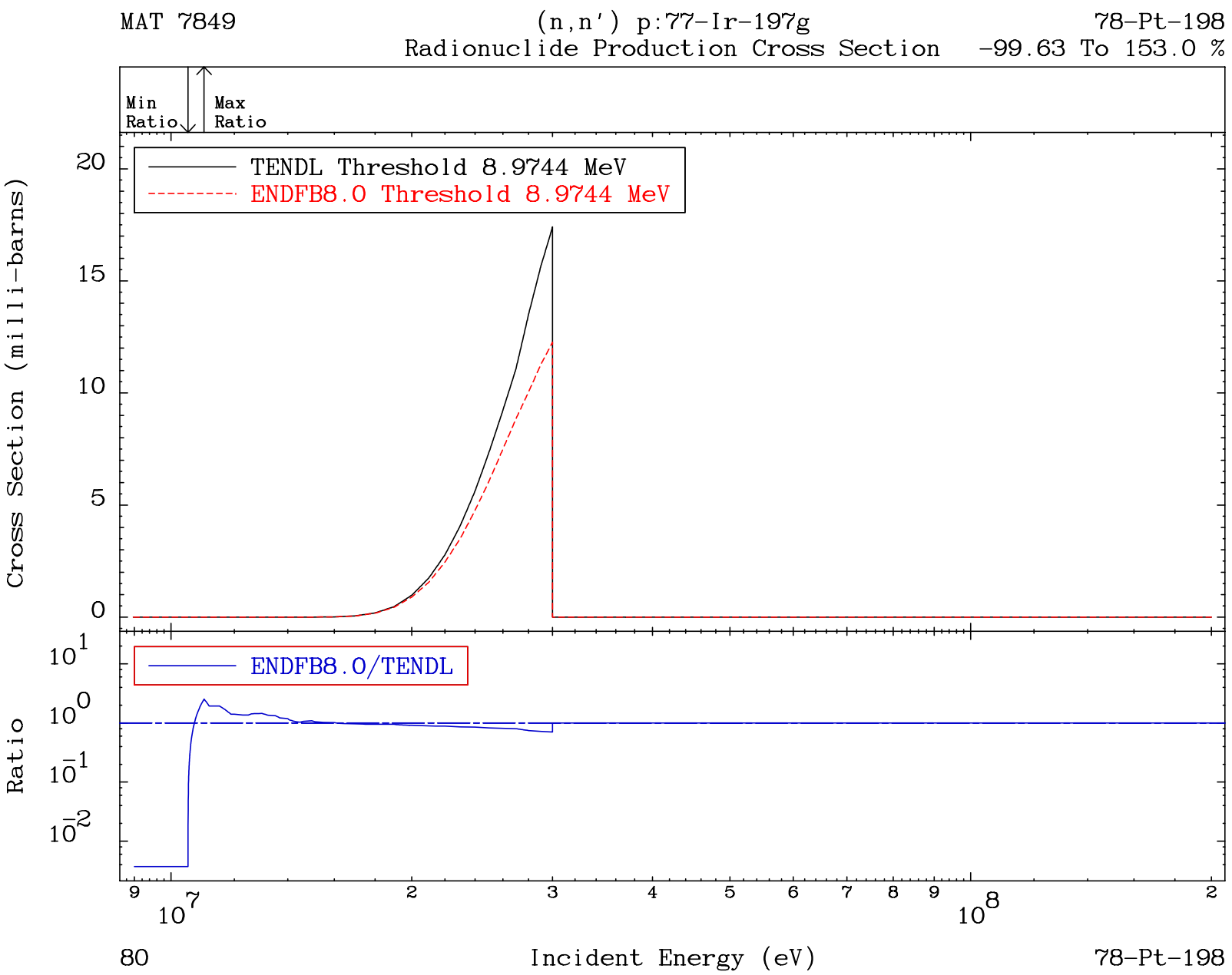

MAT 7849
(n,2n):78-Pt-197g
78-Pt-198
Radionuclide Production Cross Section
-23.99 To 195.0 %
Max Ratio
Min Ratio
TENDL Threshold 7.5941 MeV
ENDFB8.0 Threshold 7.5941 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
75
Incident Energy (eV)
78-Pt-198

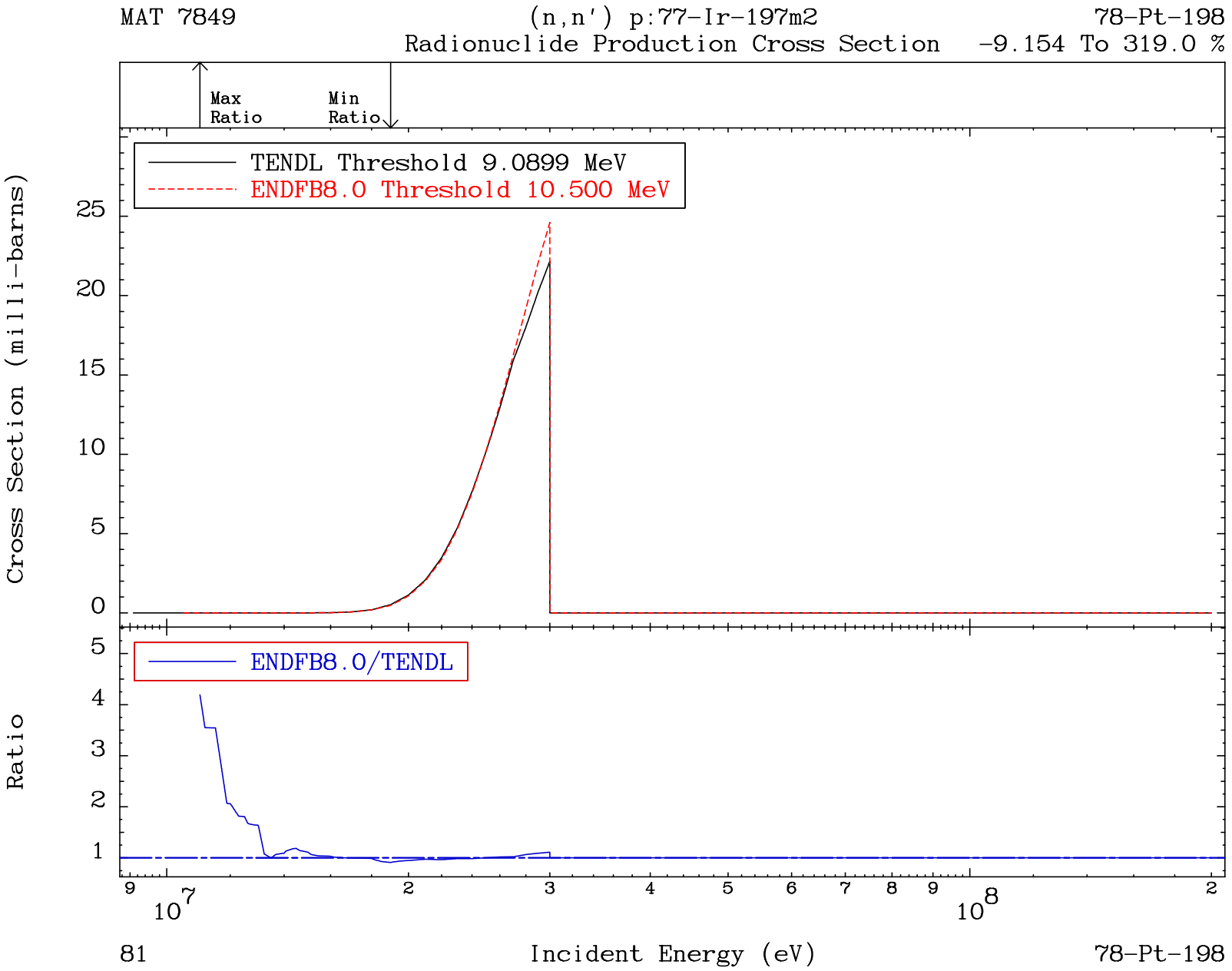

MAT 7849
(n,2n):78-Pt-197m9
78-Pt-198
Radionuclide Production Cross Section -5.388 To 197.0 %
Max Ratio
Min Ratio
TENDL Threshold 7.9957 MeV
ENDFB8.0 Threshold 7.9957 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
3.0
2.0
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
76
Incident Energy (eV)
78-Pt-198

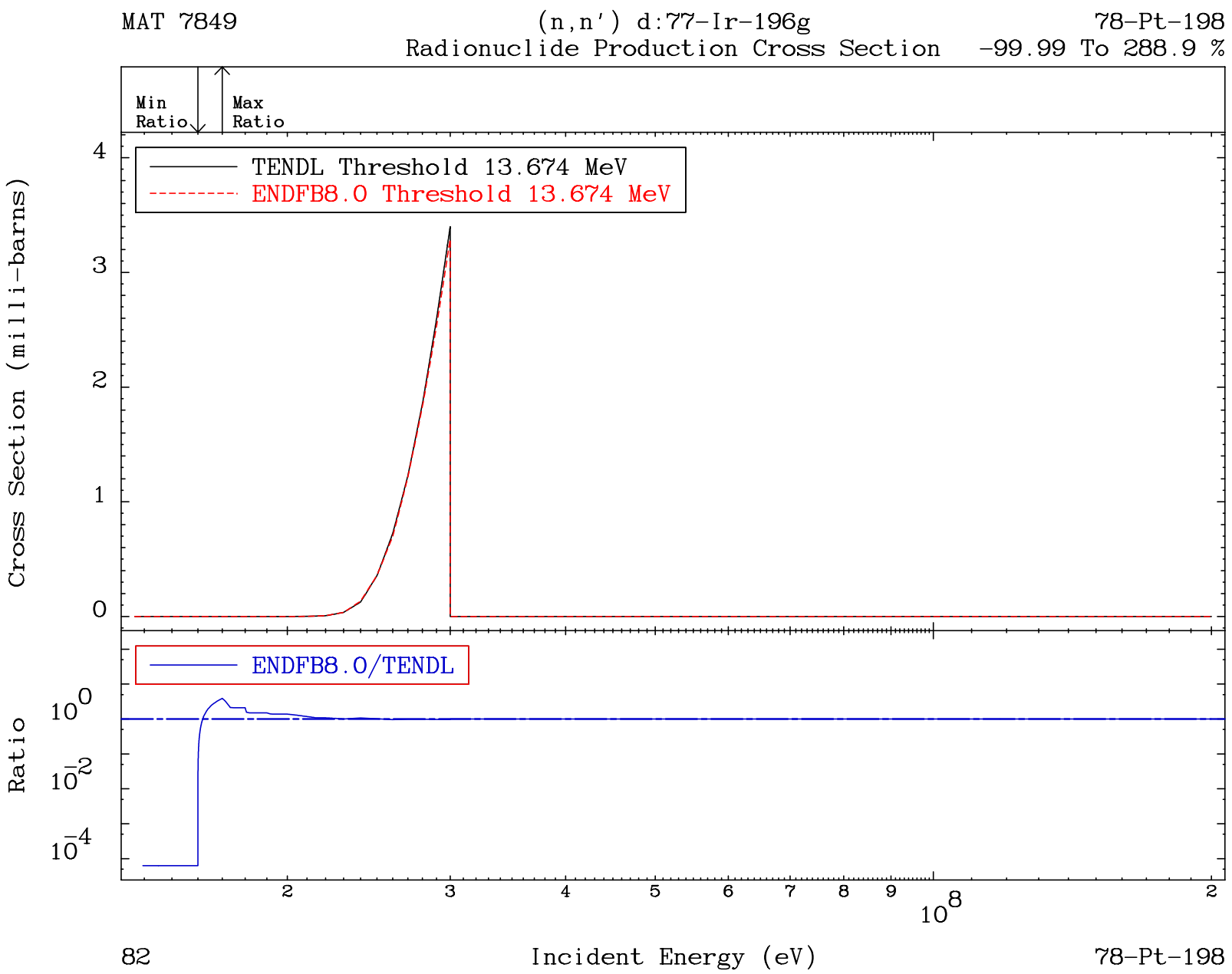

MAT 7849
Fission:0-??-Nat
78-Pt-198
Radionuclide Production Cross Section
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
77
78-Pt-198

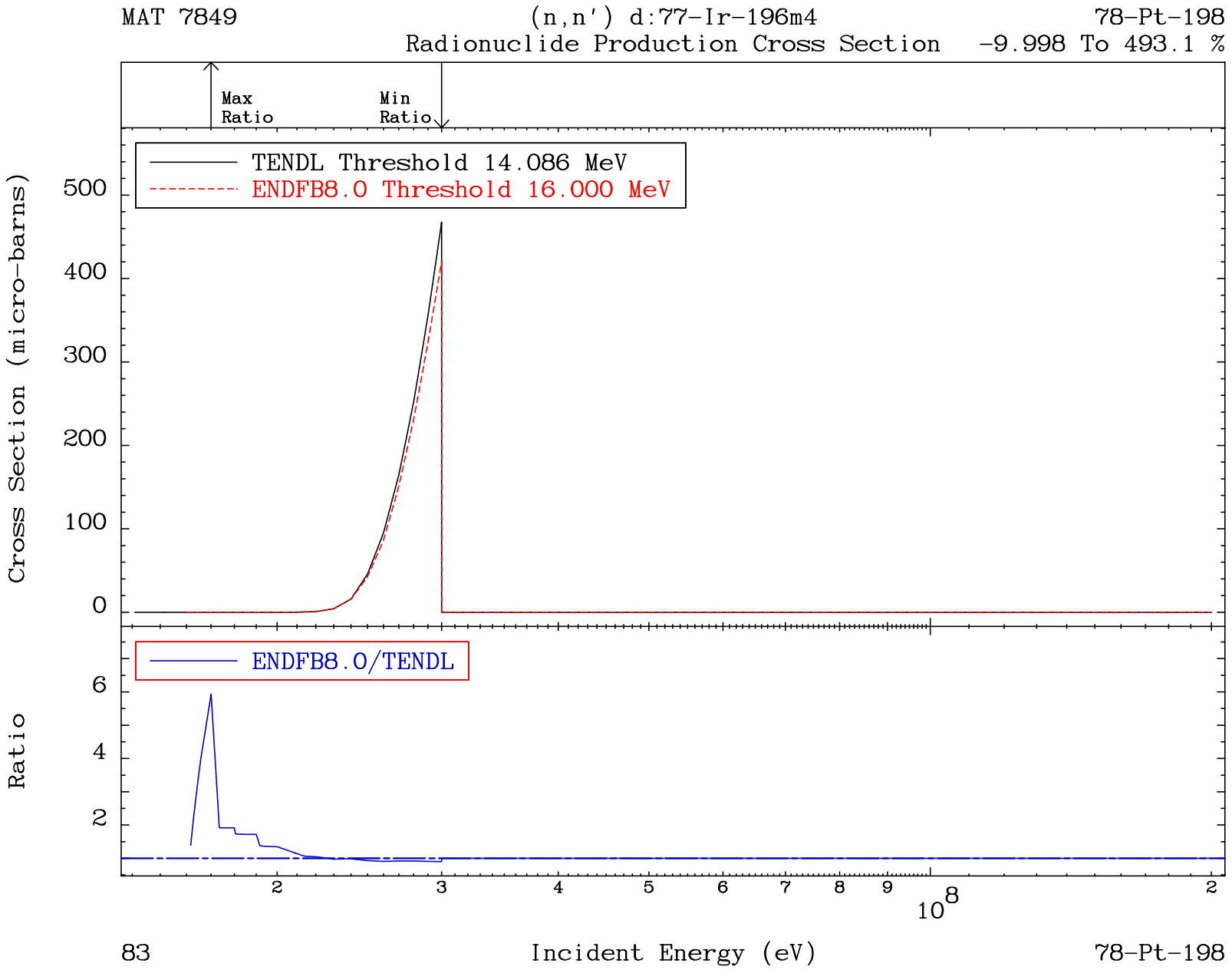

MAT 7849
(n,3n) α:76-0s-192g
78-Pt-198
Radionuclide Production Cross Section
-58.30 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.653 MeV
ENDFB8.0 Threshold 12.653 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
12
ENDFB8.0/TENDL
Ratio
10^0
10^2
10^4
10^6
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
78-Pt-198

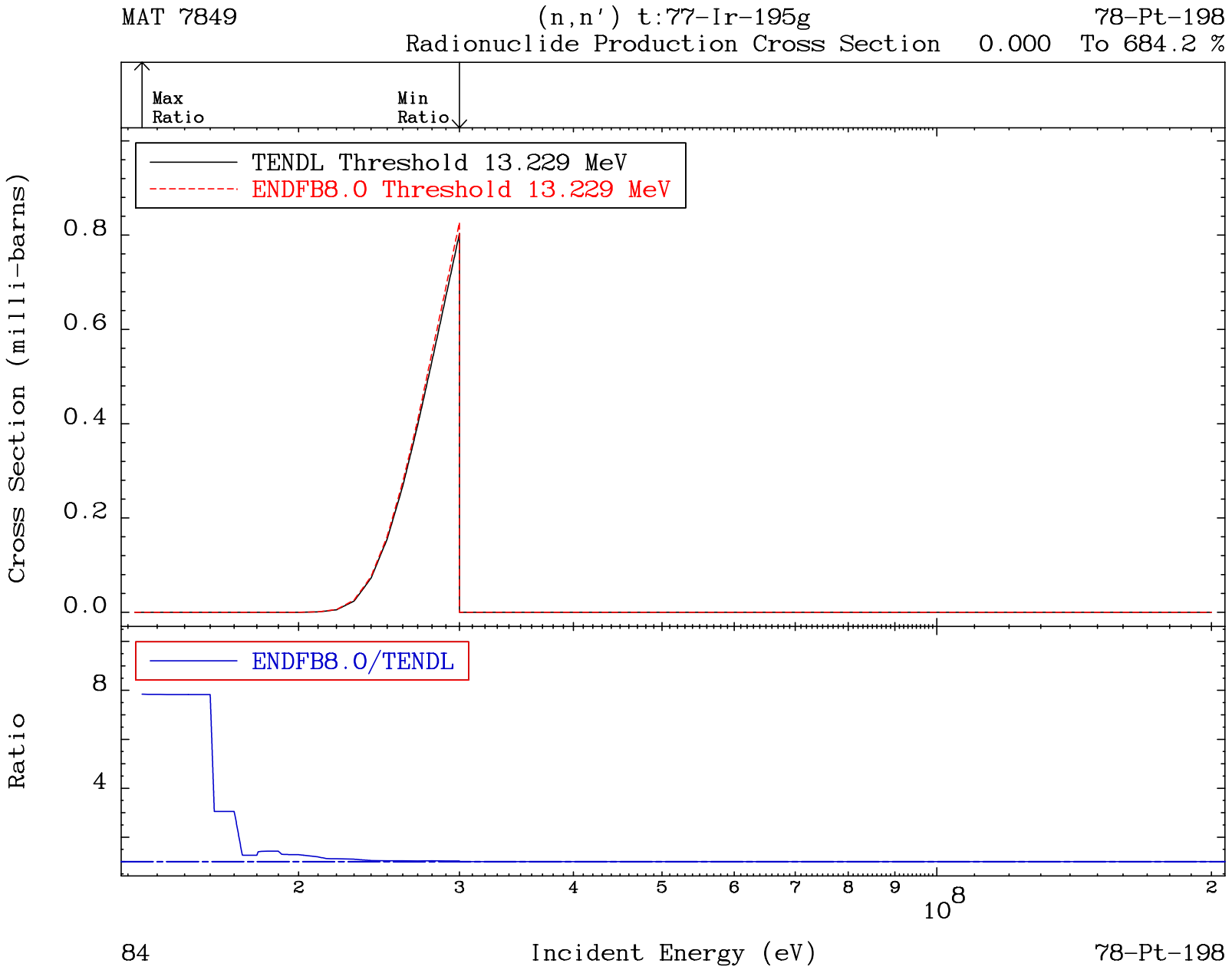

MAT 7849
(n,3n) α:76-Os-192m10
78-Pt-198
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 21.000 MeV
ENDFB8.0 Threshold 19.000 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^6
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
78-Pt-198

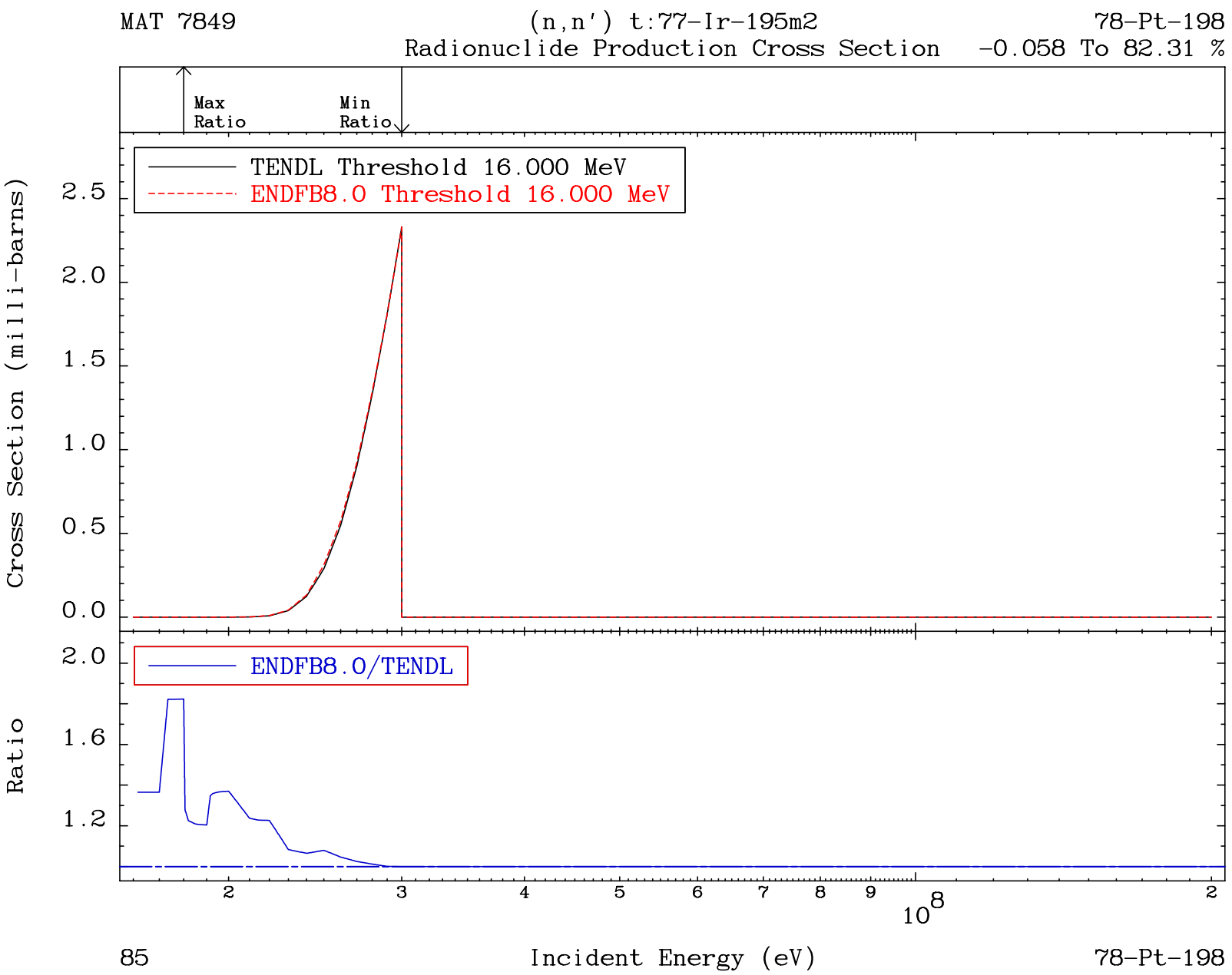

MAT 7849
(n,n') p:77-Ir-197g
78-Pt-198
Radionuclide Production Cross Section -99.63 To 153.0 %
Min Ratio
Max Ratio
TENDL Threshold 8.9744 MeV
ENDFB8.0 Threshold 8.9744 MeV
Cross Section (milli-barns)
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
10^-1
10^-2
9
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
78-Pt-198

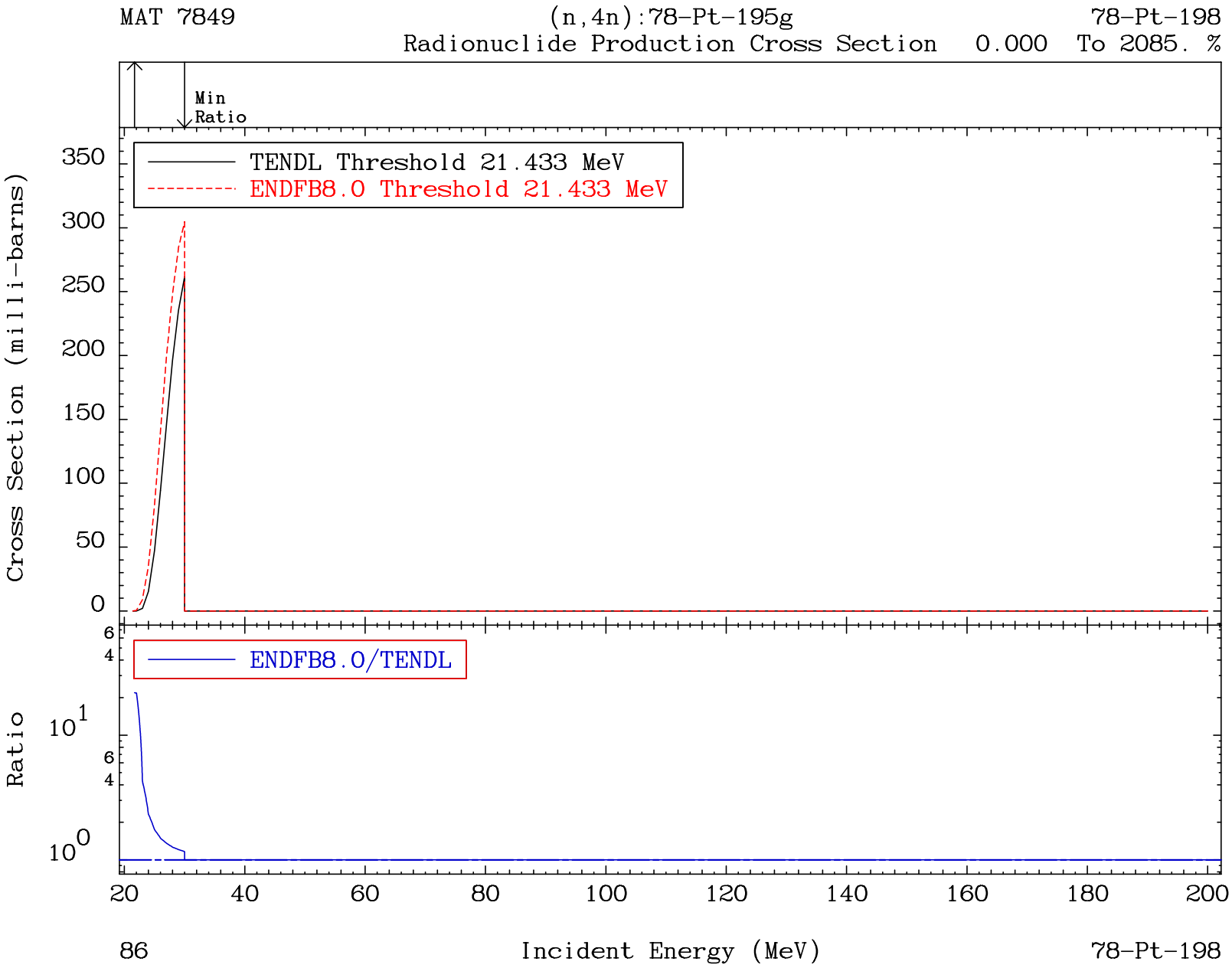

MAT 7849
(n,n') p:77-Ir-197m2
78-Pt-198
Radionuclide Production Cross Section -9.154 To 319.0 %
Max Ratio
Min Ratio
TENDL Threshold 9.0899 MeV
ENDFB8.0 Threshold 10.500 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
5
4
3
2
1
9
2
3
4
5
6
7
8
9
2
10^7
10^8
81
Incident Energy (eV)
78-Pt-198

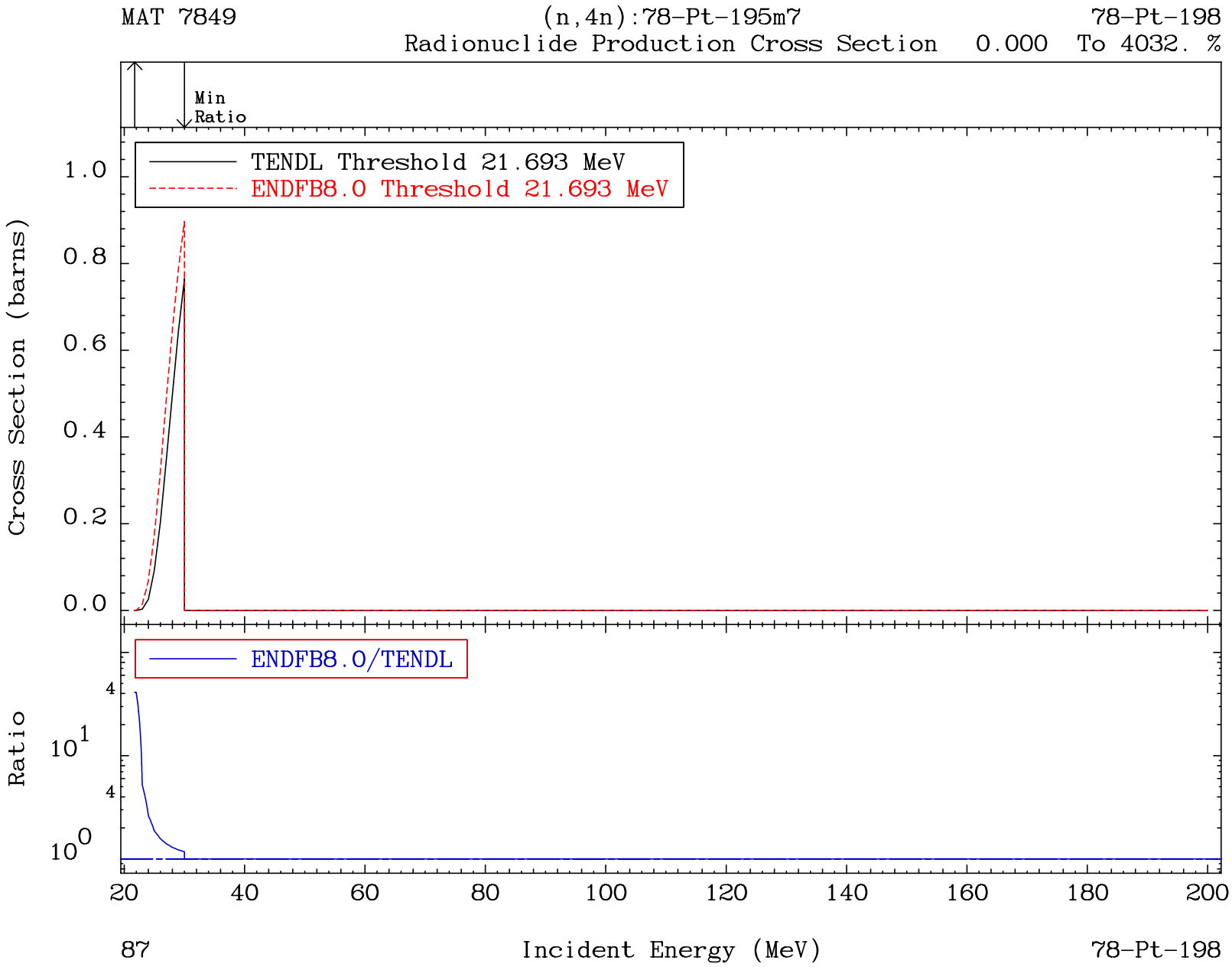

MAT 7849
(n,n') d:77-Ir-196g
78-Pt-198
Radionuclide Production Cross Section -99.99 To 288.9 %
Min Ratio
Max Ratio
TENDL Threshold 13.674 MeV
ENDFB8.0 Threshold 13.674 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
82
78-Pt-198

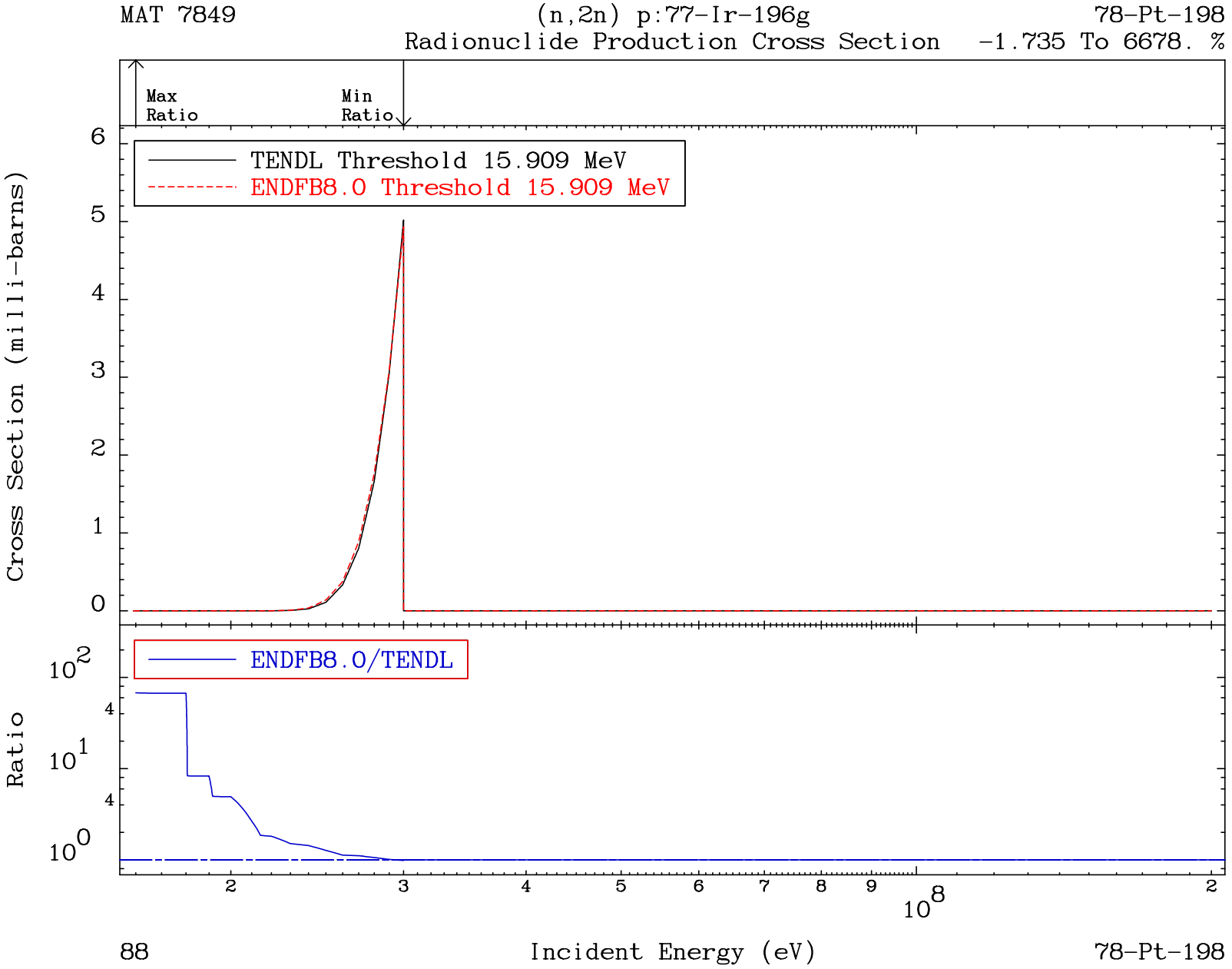

MAT 7849
(n,n') d:77-Ir-196m4
78-Pt-198
Radionuclide Production Cross Section -9.998 To 493.1 %
Max Ratio
Min Ratio
TENDL Threshold 14.086 MeV
ENDFB8.0 Threshold 16.000 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
78-Pt-198

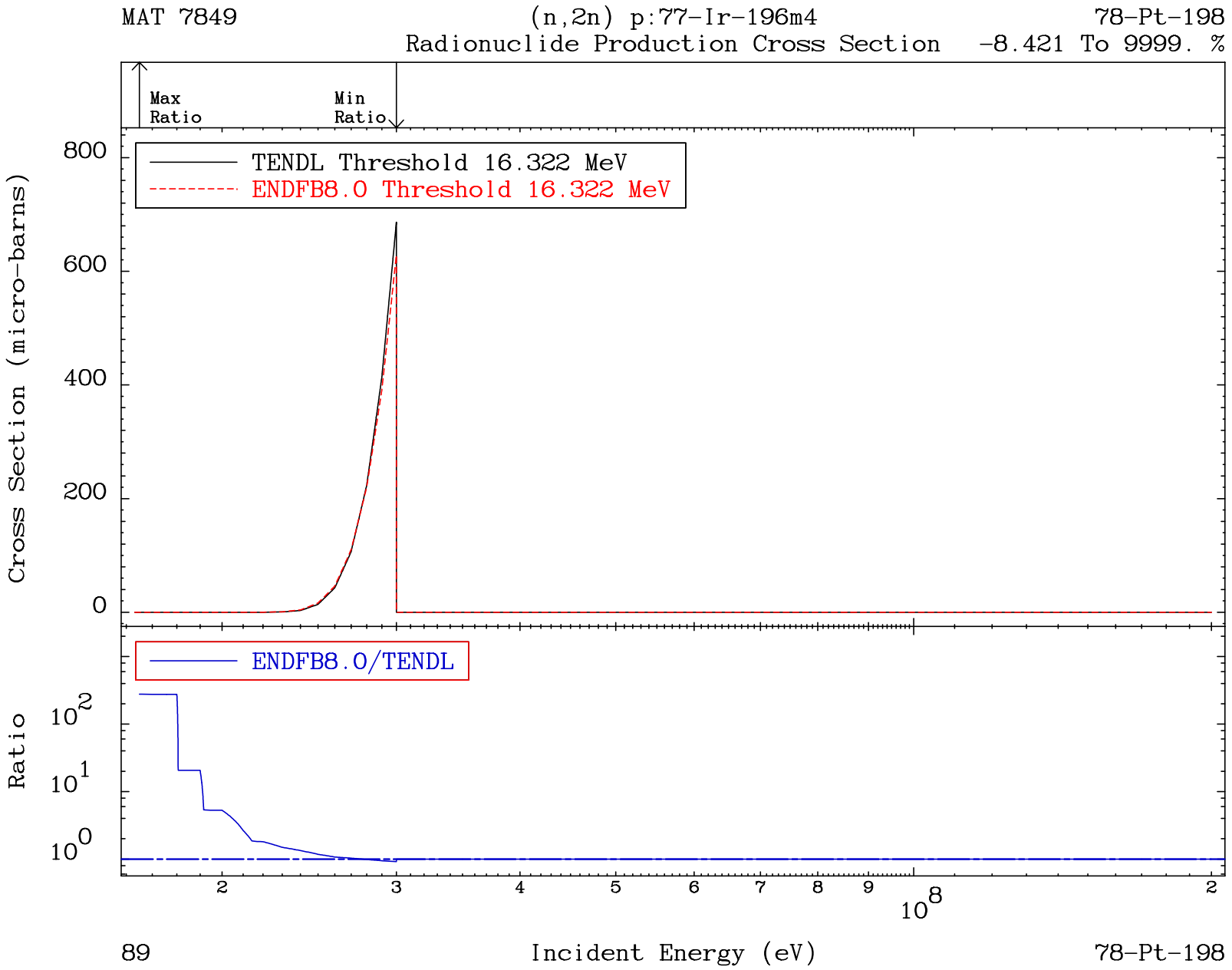

MAT 7849
(n,n') t:77-Ir-195g
78-Pt-198
Radionuclide Production Cross Section 0.000 To 684.2 %
Max Ratio
Min Ratio
TENDL Threshold 13.229 MeV
ENDFB8.0 Threshold 13.229 MeV
Cross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
8
4
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
78-Pt-198

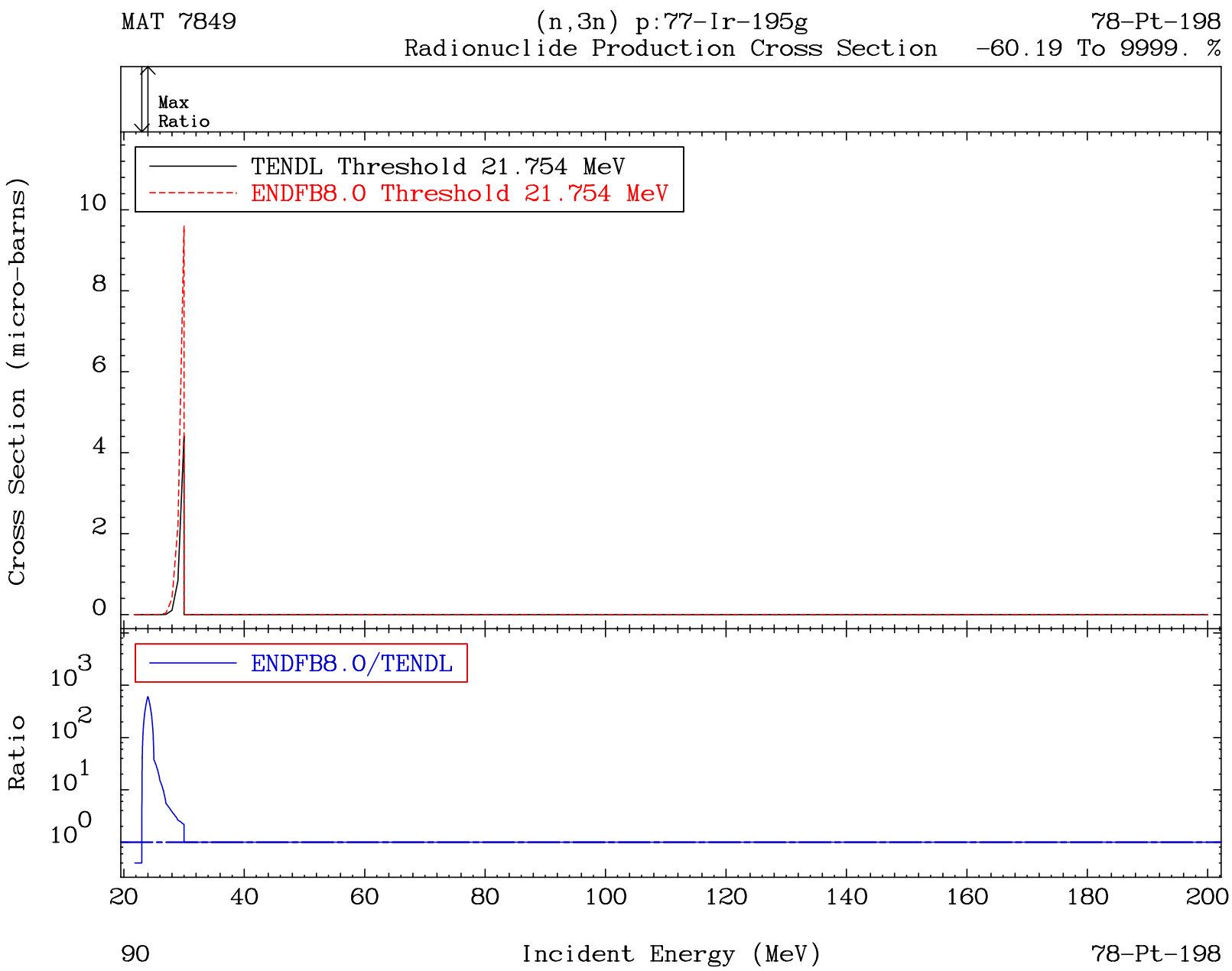

MAT 7849
(n,n') t:77-Ir-195m2
78-Pt-198
Radionuclide Production Cross Section -0.058 To 82.31 %
Max Ratio
Min Ratio
TENDL Threshold 16.000 MeV
ENDFB8.0 Threshold 16.000 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
78-Pt-198

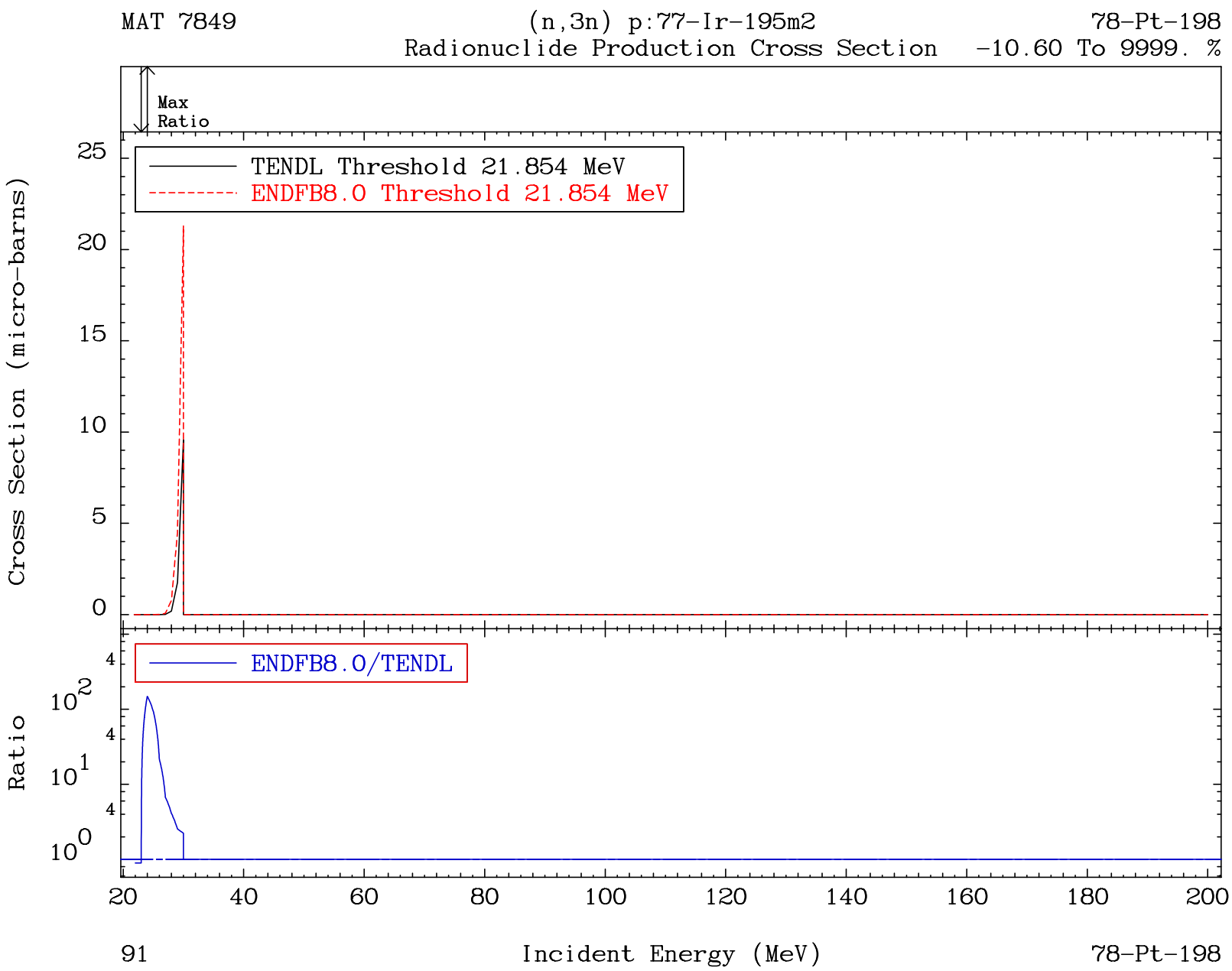

MAT 7849
(n,4n):78-Pt-195g
78-Pt-198
Radionuclide Production Cross Section 0.000 To 2085. %
Min Ratio
TENDL Threshold 21.433 MeV
ENDFB8.0 Threshold 21.433 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
ENDFB8.0/TENDL
Ratio
10^1
10^0
6
4
20
40
60
80
100
120
140
160
180
200
86
Incident Energy (MeV)
78-Pt-198

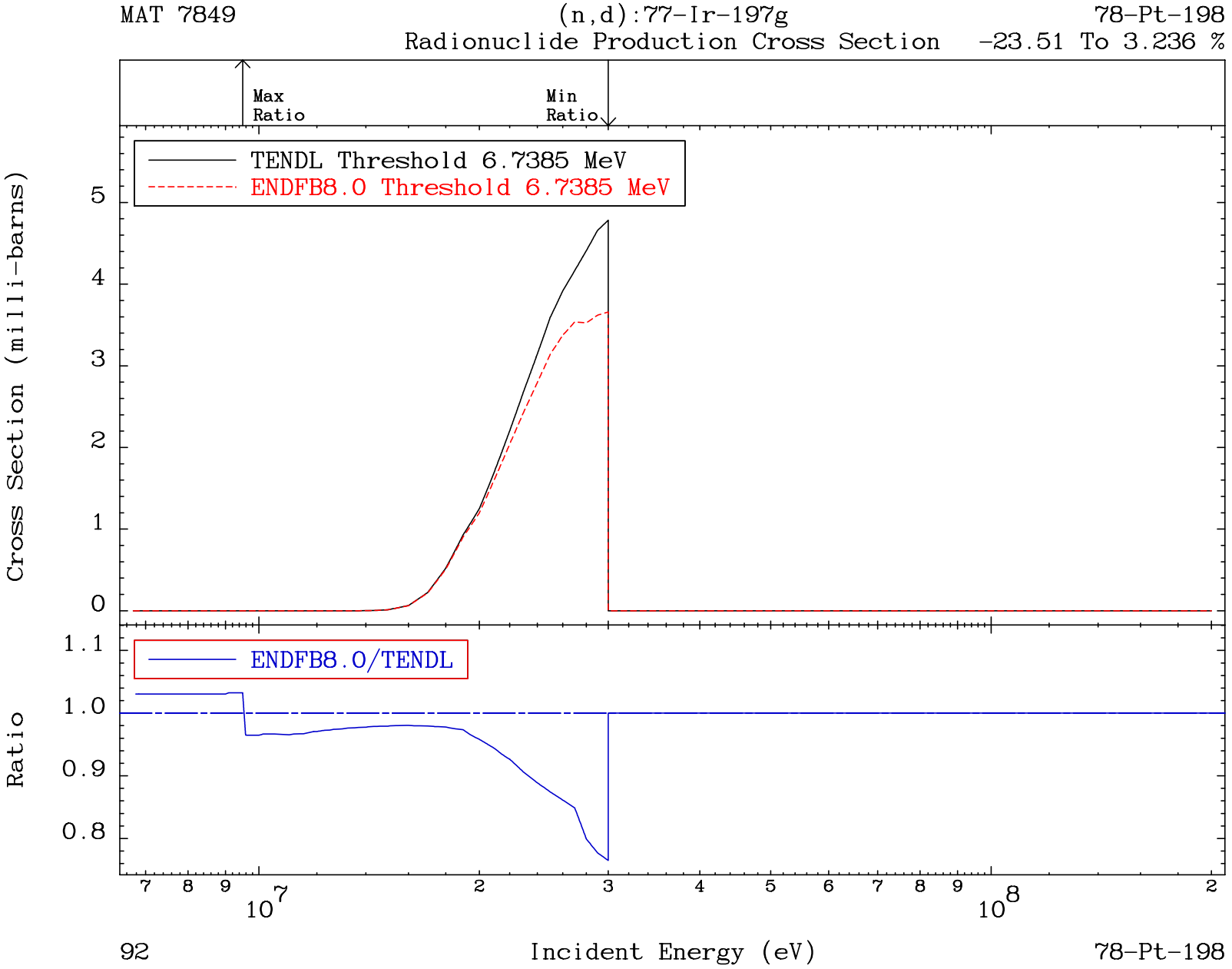

MAT 7849
(n,4n):78-Pt-195m7
78-Pt-198
Radionuclide Production Cross Section 0.000 To 4032. %
Min Ratio
TENDL Threshold 21.693 MeV
ENDFB8.0 Threshold 21.693 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
10^1
10^0
20
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
78-Pt-198

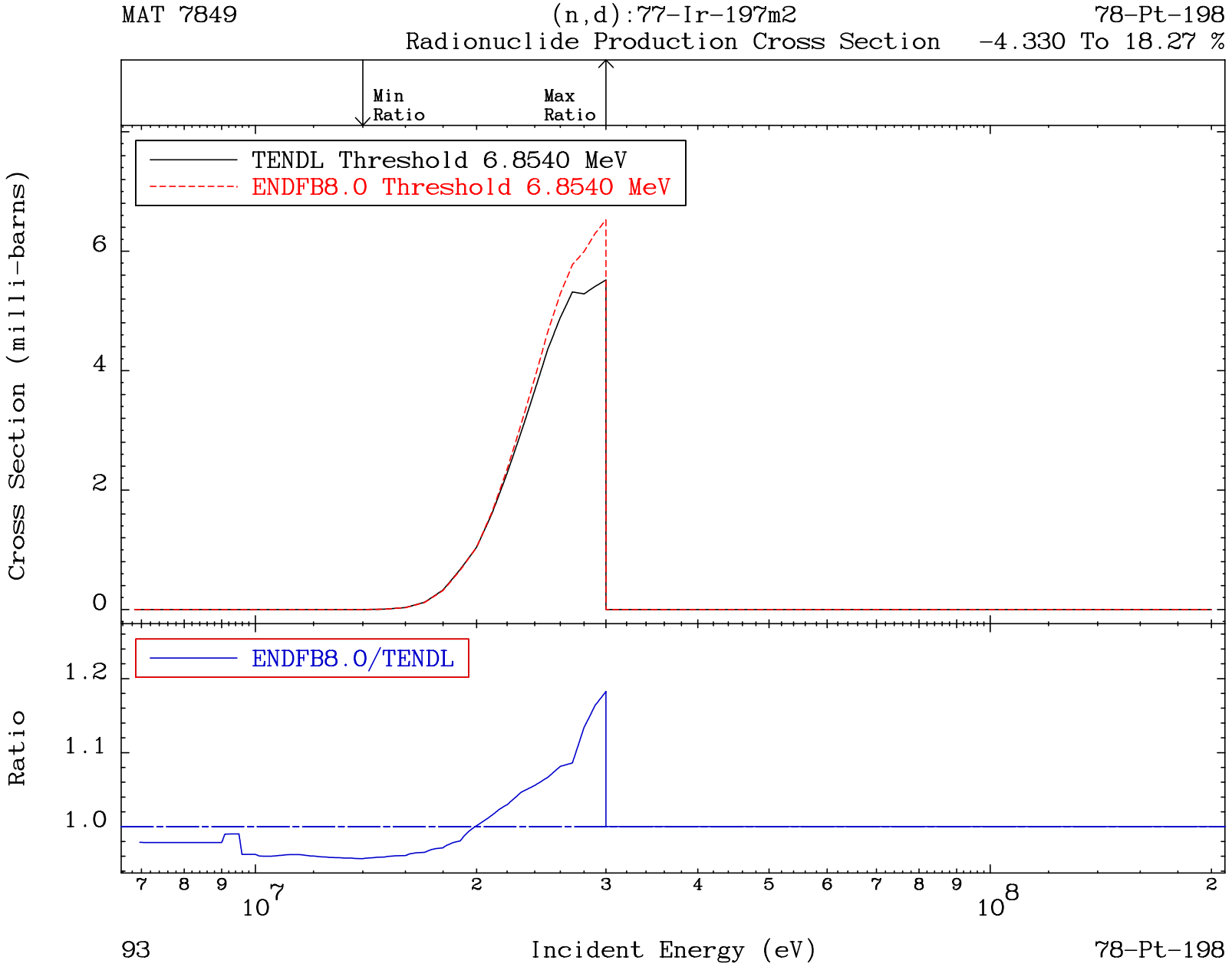

MAT 7849
(n,2n) p:77-Ir-196g
78-Pt-198
Radionuclide Production Cross Section -1.735 To 6678. %
Max Ratio
Min Ratio
TENDL Threshold 15.909 MeV
ENDFB8.0 Threshold 15.909 MeV
Cross Section (milli-barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
88
78-Pt-198

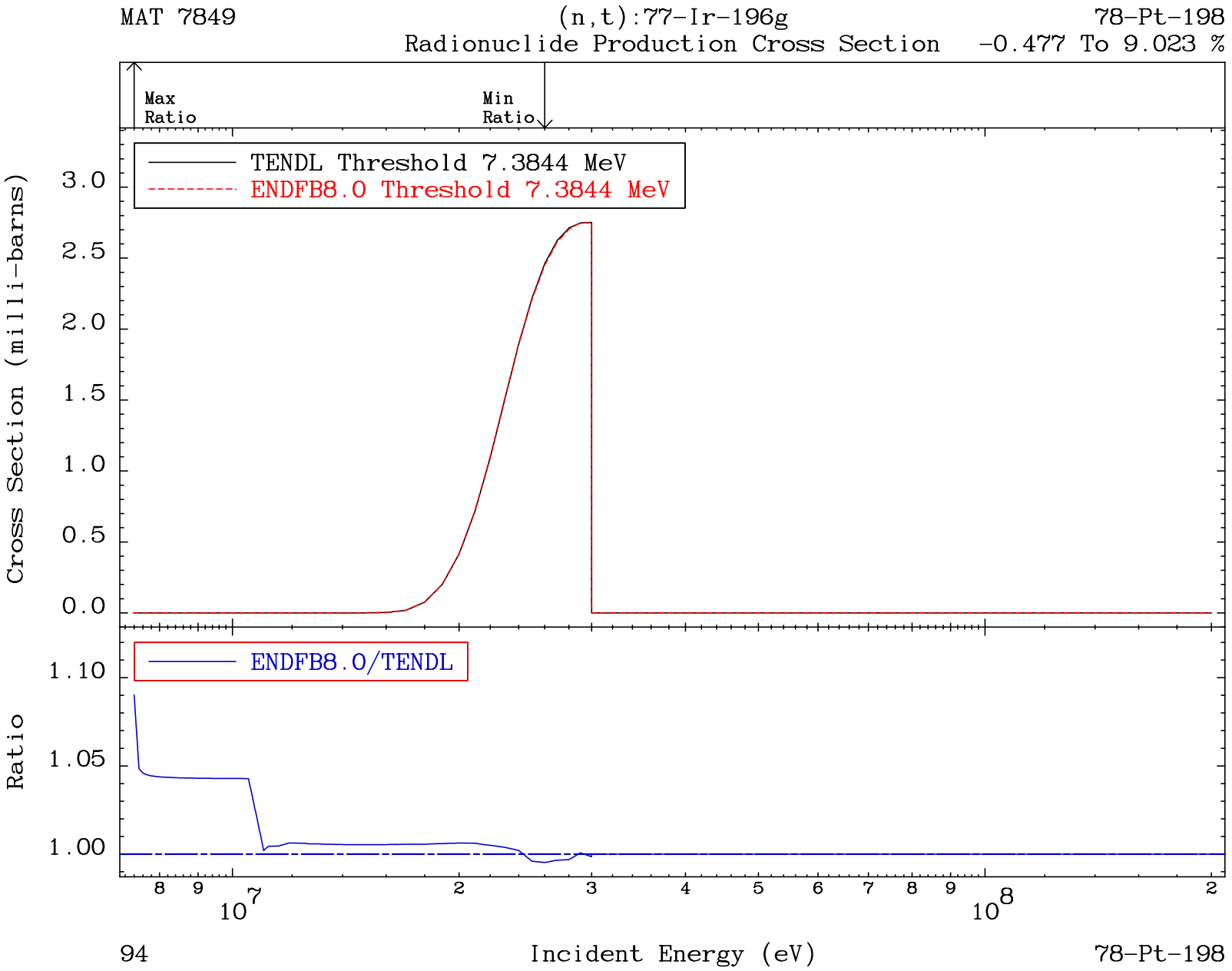

MAT 7849
(n,2n) p:77-Ir-196m4
78-Pt-198
Radionuclide Production Cross Section -8.421 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 16.322 MeV
ENDFB8.0 Threshold 16.322 MeV
Cross Section (micro-barns)
800
600
400
200
0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
78-Pt-198

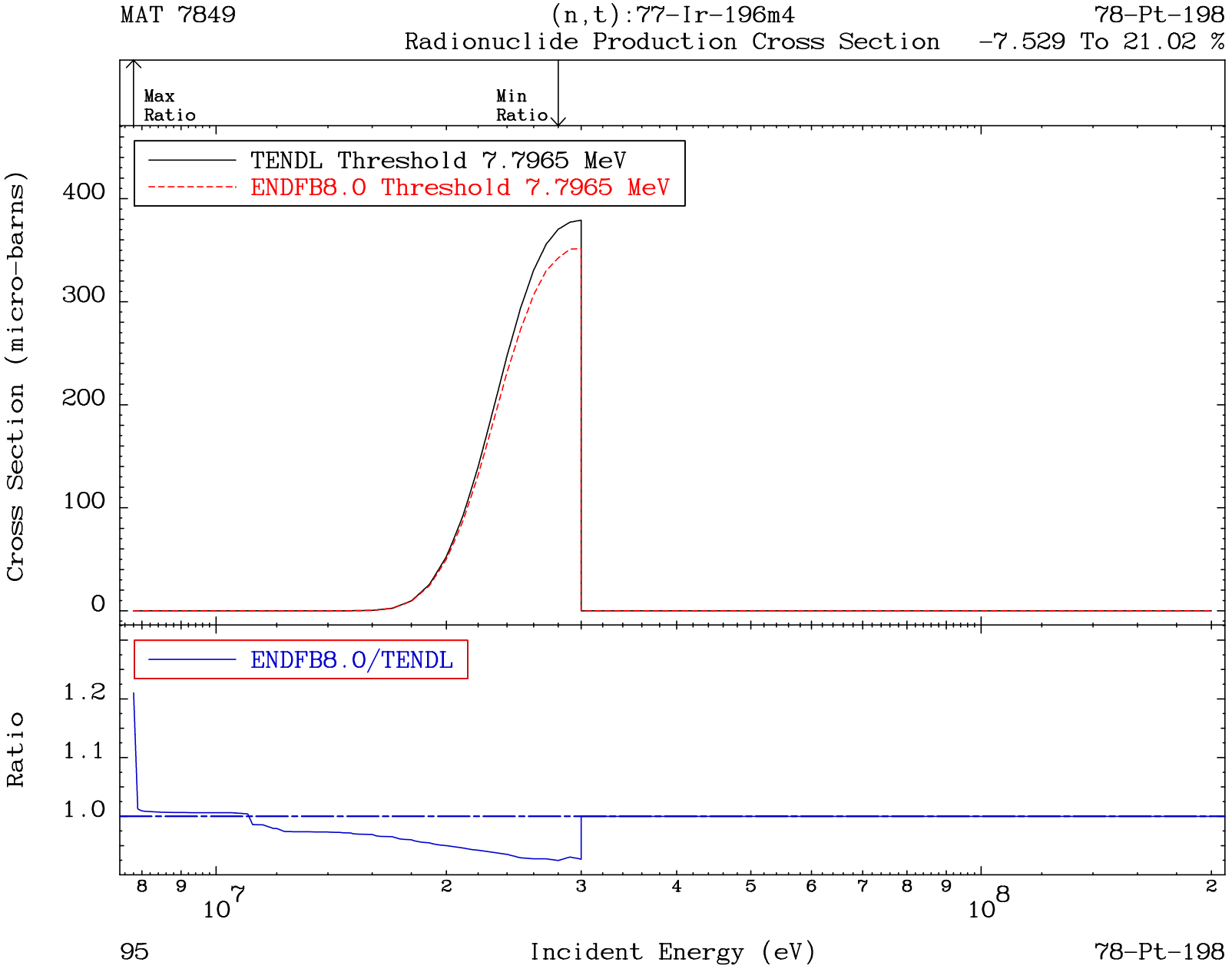

MAT 7849
(n,3n) p:77-Ir-195g
78-Pt-198
Radionuclide Production Cross Section -60.19 To 9999. %
Max
Ratio
TENDL Threshold 21.754 MeV
ENDFB8.0 Threshold 21.754 MeV
Cross Section (micro-barns)
0
2
4
6
8
10
ENDFB8.0/TENDL
Ratio
10^0
10^1
10^2
10^3
20
40
60
80
100
120
140
160
180
200
90
Incident Energy (MeV)
78-Pt-198


MAT 7849
(n,3n) p:77-Ir-195m2
78-Pt-198
Radionuclide Production Cross Section -10.60 To 9999. %
Max
Ratio
TENDL Threshold 21.854 MeV
ENDFB8.0 Threshold 21.854 MeV
Cross Section (micro-barns)
25
20
15
10
5
0
ENDFB8.0/TENDL
Ratio
10^2
10^1
10^0
20
40
60
80
100
120
140
160
180
200
91
Incident Energy (MeV)
78-Pt-198


MAT 7849
(n,d):77-Ir-197g
78-Pt-198
Radionuclide Production Cross Section -23.51 To 3.236 %
Max Ratio
Min Ratio
TENDL Threshold 6.7385 MeV
ENDFB8.0 Threshold 6.7385 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
ENDFB8.0/TENDL
Ratio
0.8
0.9
1.0
1.1
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
92
Incident Energy (eV)
78-Pt-198


MAT 7849
(n,d):77-Ir-197m2
78-Pt-198
Radionuclide Production Cross Section -4.330 To 18.27 %
Min Ratio
Max Ratio
TENDL Threshold 6.8540 MeV
ENDFB8.0 Threshold 6.8540 MeV
Cross Section (milli-barns)
0
2
4
6
ENDFB8.0/TENDL
Ratio
1.0
1.1
1.2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
93
Incident Energy (eV)
78-Pt-198


MAT 7849
(n,t):77-Ir-196g
78-Pt-198
Radionuclide Production Cross Section -0.477 To 9.023 %
Max Ratio
Min Ratio
TENDL Threshold 7.3844 MeV
ENDFB8.0 Threshold 7.3844 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
1.10
1.05
1.00
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
94
Incident Energy (eV)
78-Pt-198


MAT 7849
(n,t):77-Ir-196m4
78-Pt-198
Radionuclide Production Cross Section
-7.529 To 21.02 %
Max Ratio
Min Ratio
TENDL Threshold 7.7965 MeV
ENDFB8.0 Threshold 7.7965 MeV
Cross Section (micro-barns)
400
300
200
100
0
ENDFB8.0/TENDL
Ratio
1.2
1.1
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
95
Incident Energy (eV)
78-Pt-198