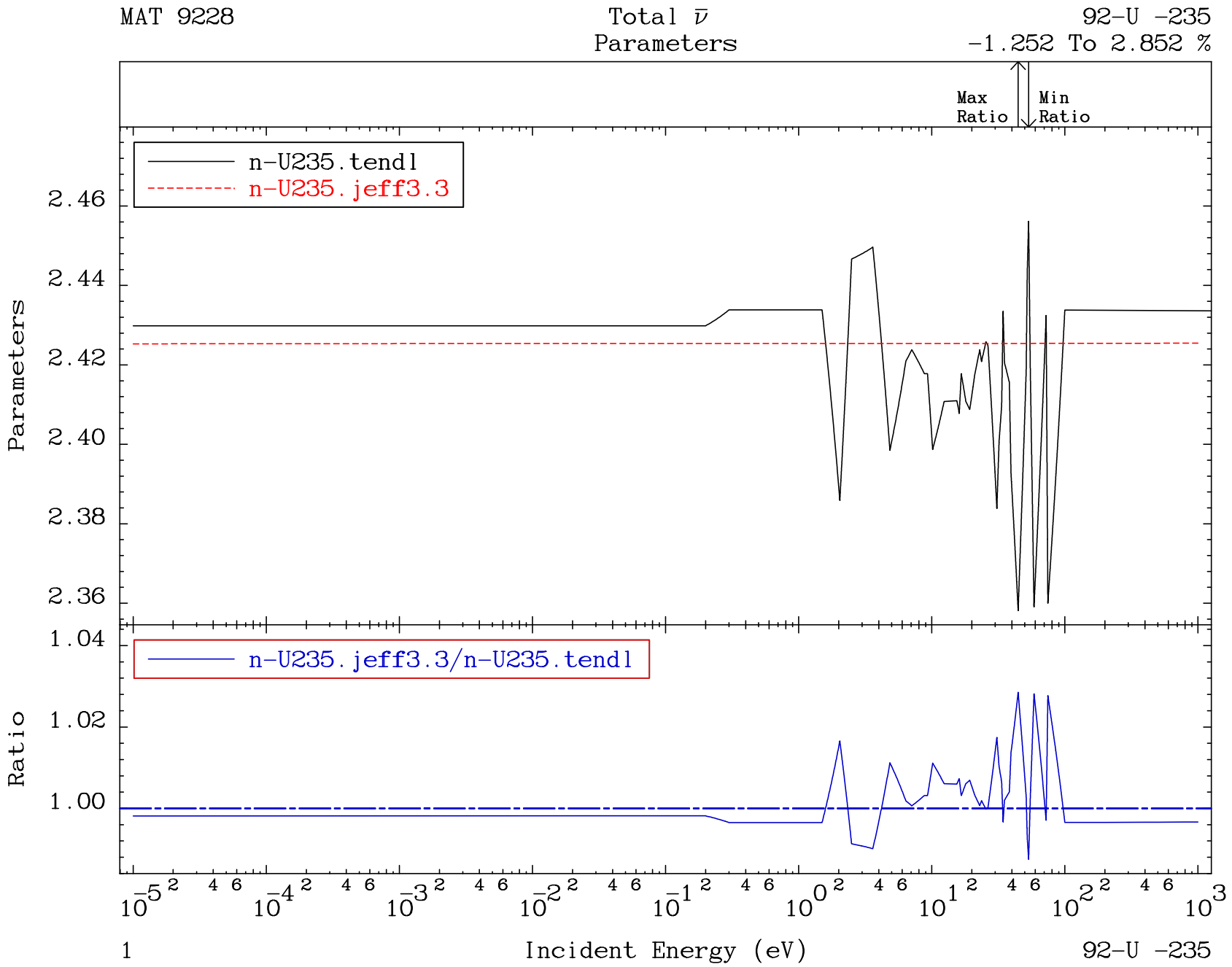
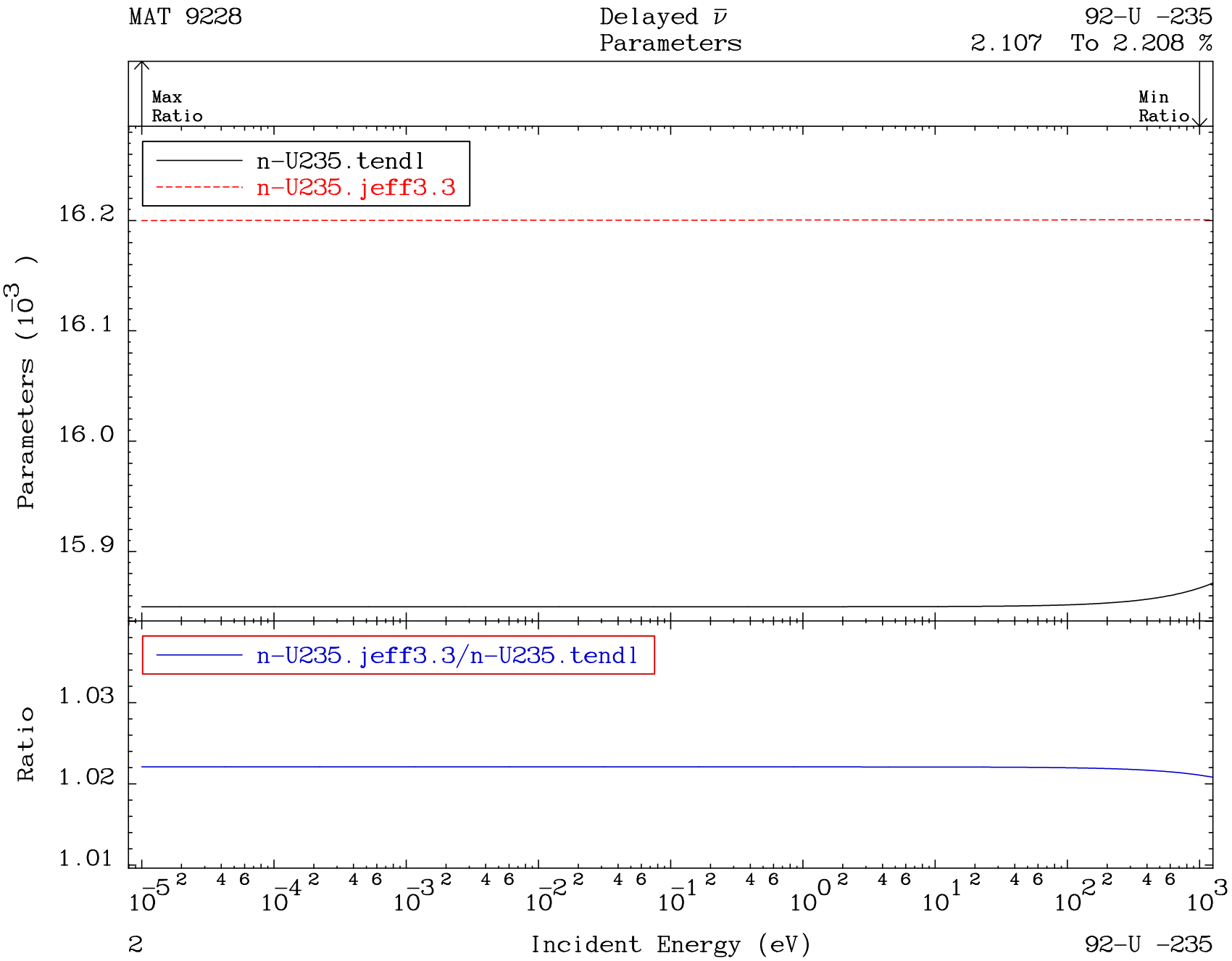
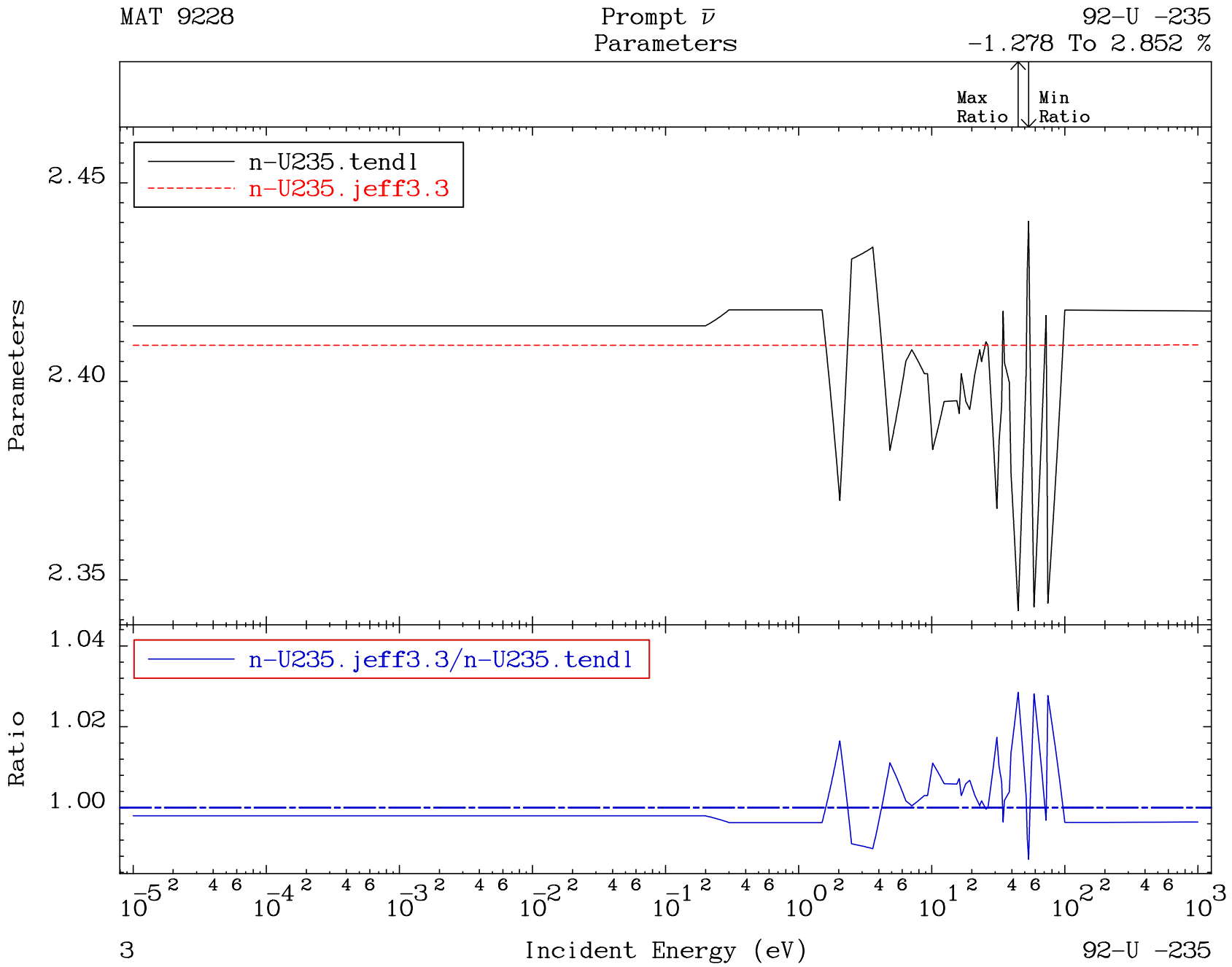
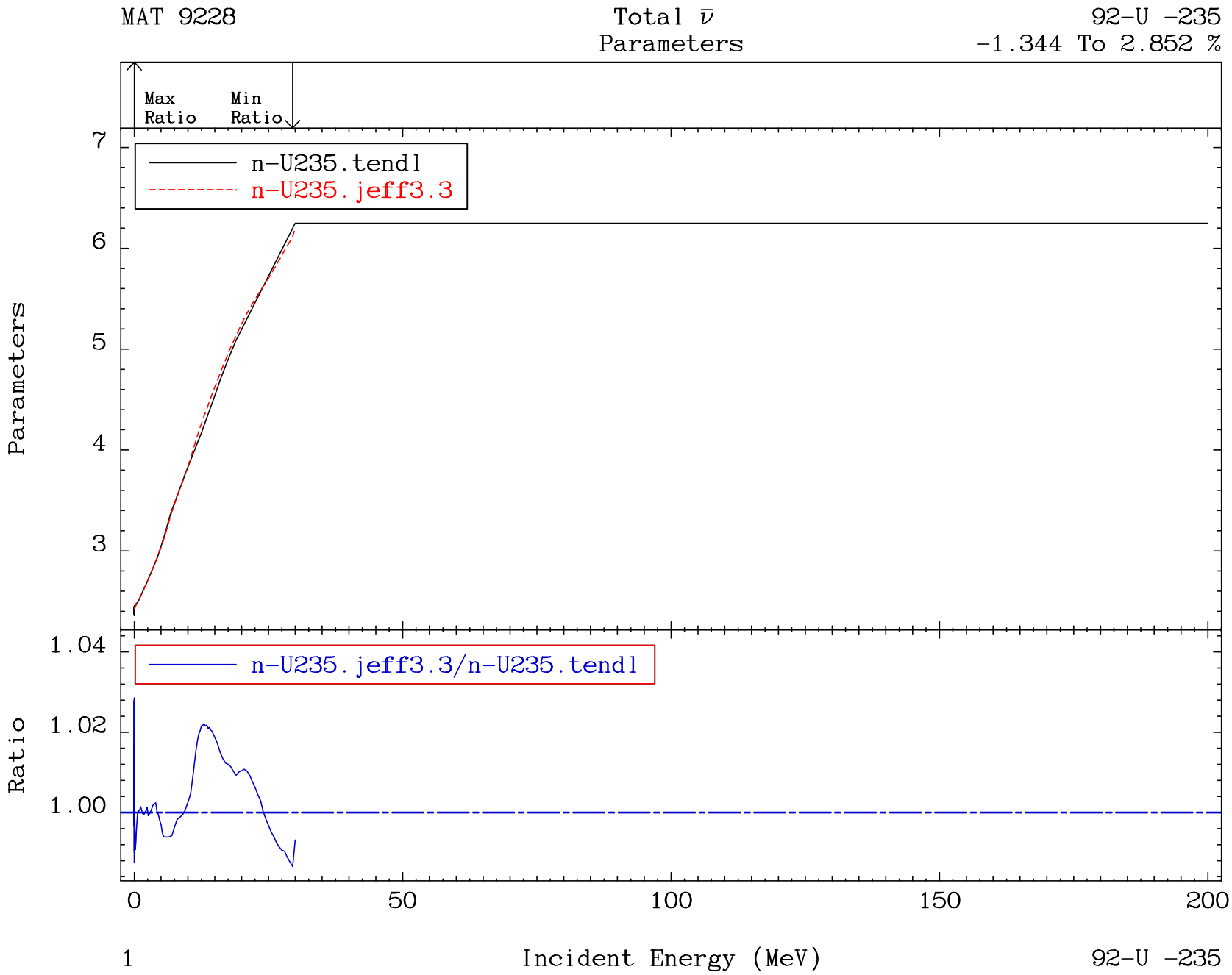
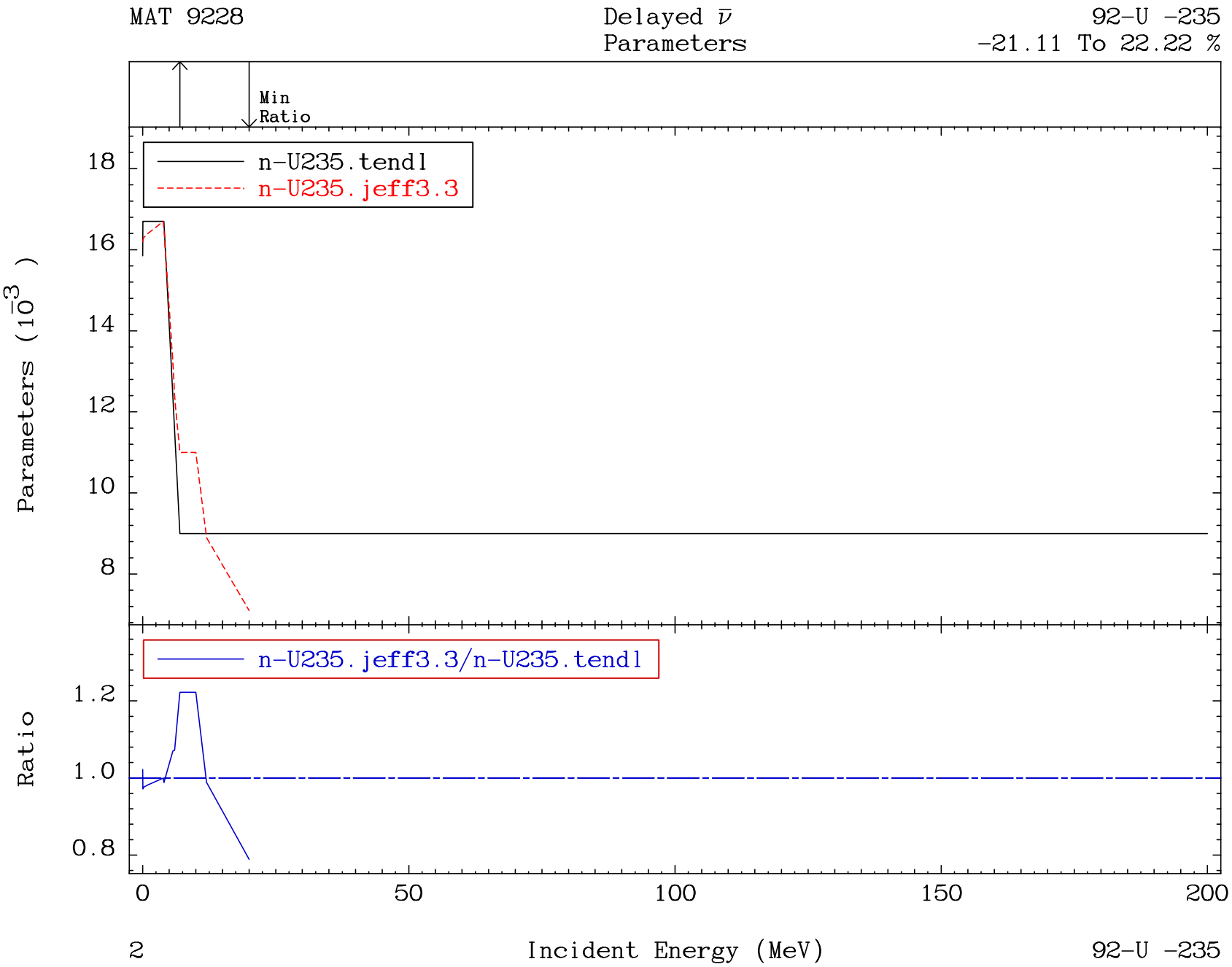
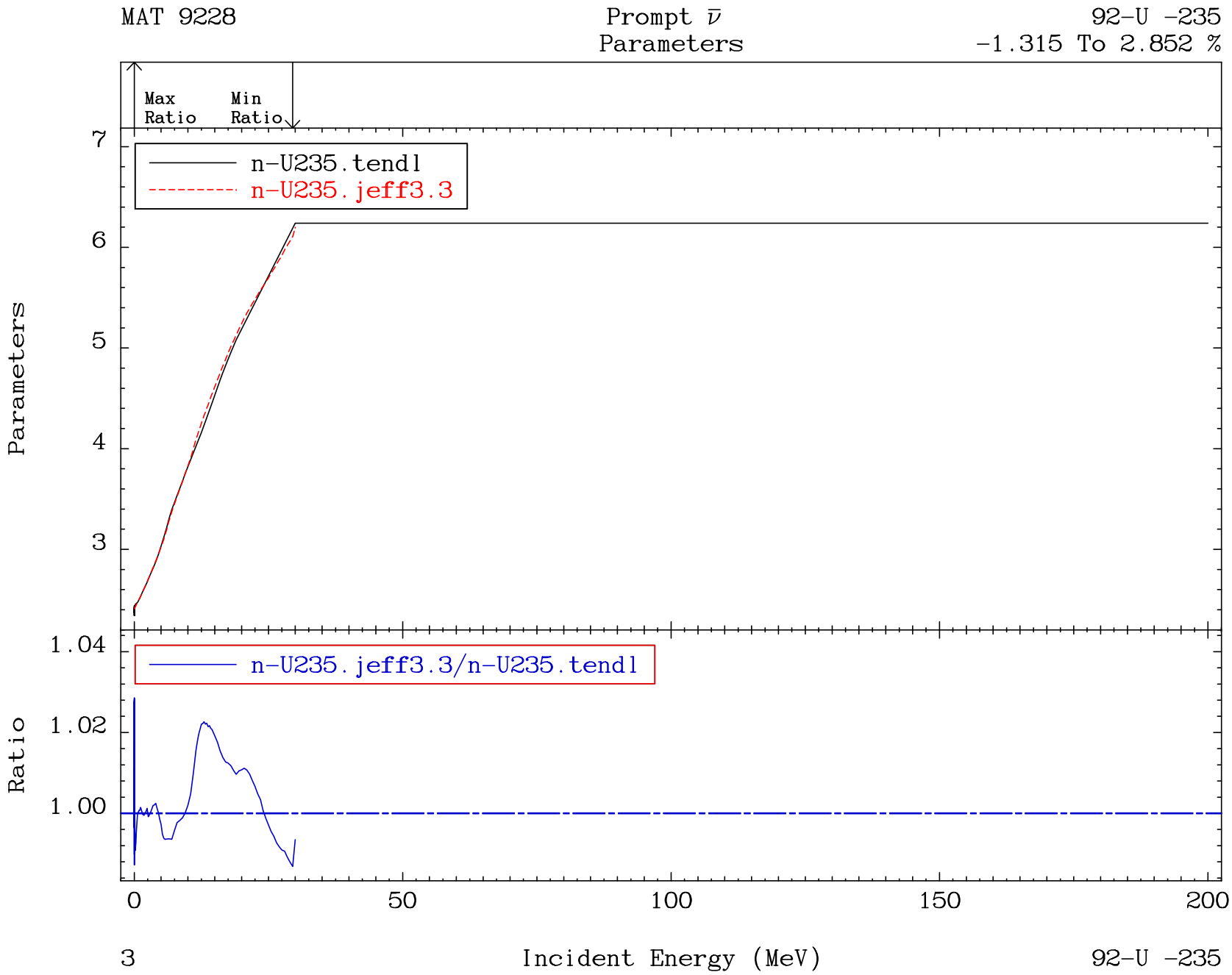

MAT 9228
Total $\bar{\nu}$
Parameters
92-U -235
-1.252 To 2.852 %
Max Ratio
Min Ratio
n-U235.tendl
n-U235.jeff3.3
Parameters
2.46
2.44
2.42
2.40
2.38
2.36
n-U235.jeff3.3/n-U235.tendl
Ratio
1.04
1.02
1.00
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3}
1
Incident Energy (eV)
92-U -235

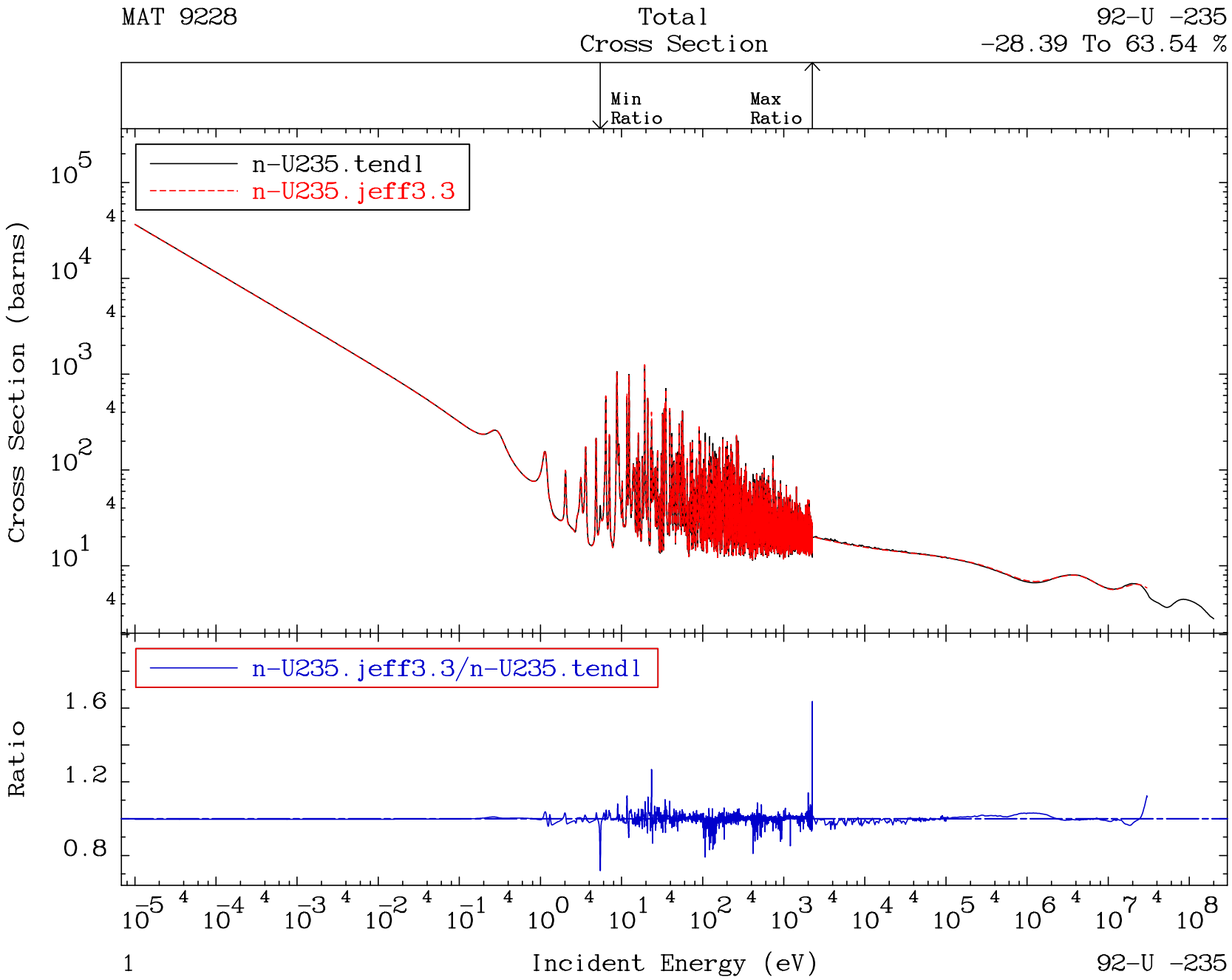

MAT 9228
Delayed $\bar{\nu}$
Parameters
92-U -235
2.107 To 2.208 %
Max
Ratio
Min
Ratio
n-U235.tendl
n-U235.jeff3.3
16.2
16.1
16.0
15.9
Parameters (10^{-3})
n-U235.jeff3.3/n-U235.tendl
1.03
1.02
1.01
Ratio
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3}
Incident Energy (eV)
2
92-U -235

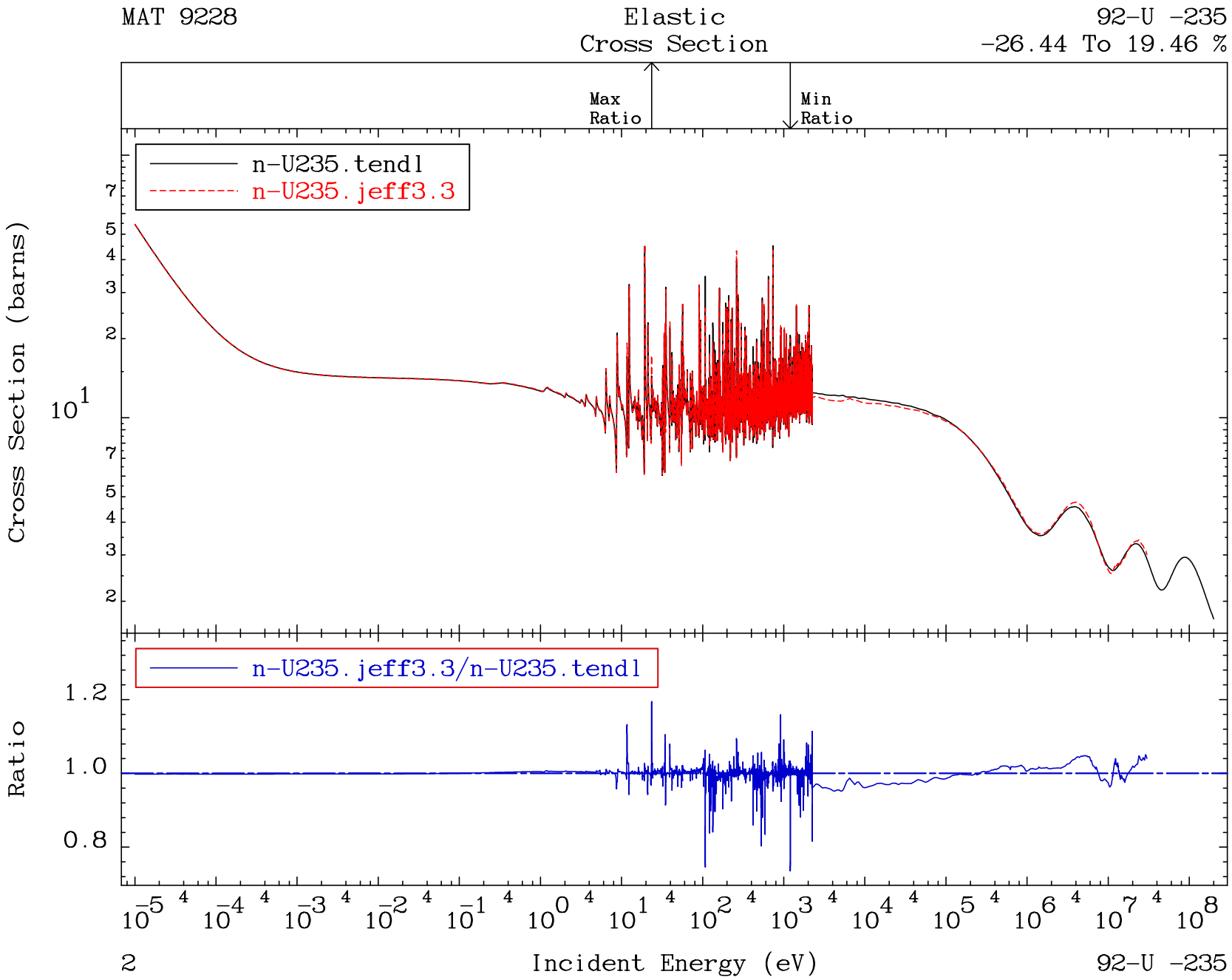

MAT 9228
Prompt $\bar{\nu}$
Parameters
92-U -235
-1.278 To 2.852 %
Max Ratio
Min Ratio
n-U235.tendl
n-U235.jeff3.3
Parameters
2.45
2.40
2.35
n-U235.jeff3.3/n-U235.tendl
Ratio
1.04
1.02
1.00
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3}
3
Incident Energy (eV)
92-U -235

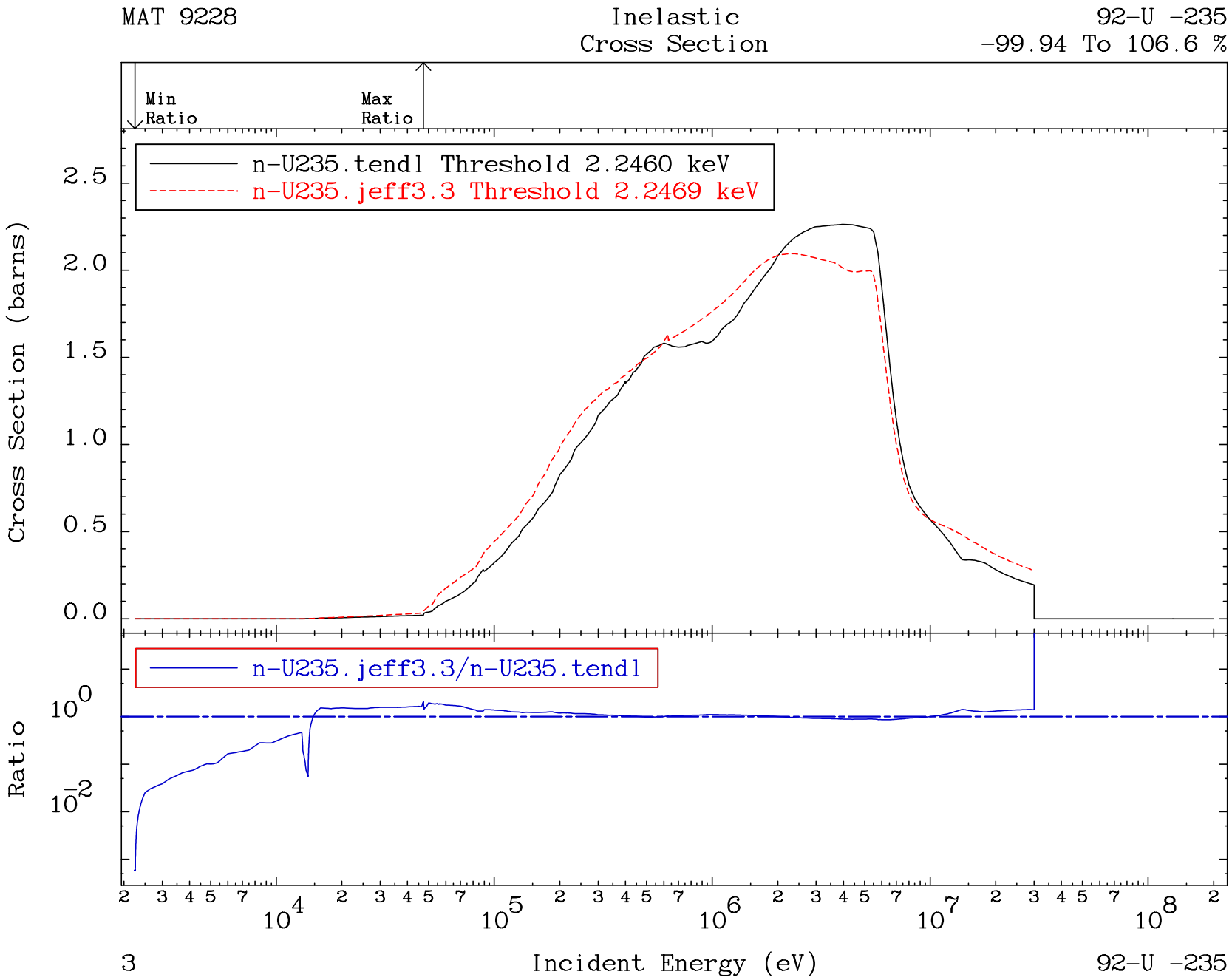

MAT 9228
Total $\bar{\nu}$
Parameters
92-U -235
-1.344 To 2.852 %
Max Ratio
Min Ratio
n-U235.tendl
n-U235.jeff3.3
Parameters
7
6
5
4
3
n-U235.jeff3.3/n-U235.tendl
Ratio
1.04
1.02
1.00
0
50
100
150
200
1
Incident Energy (MeV)
92-U -235

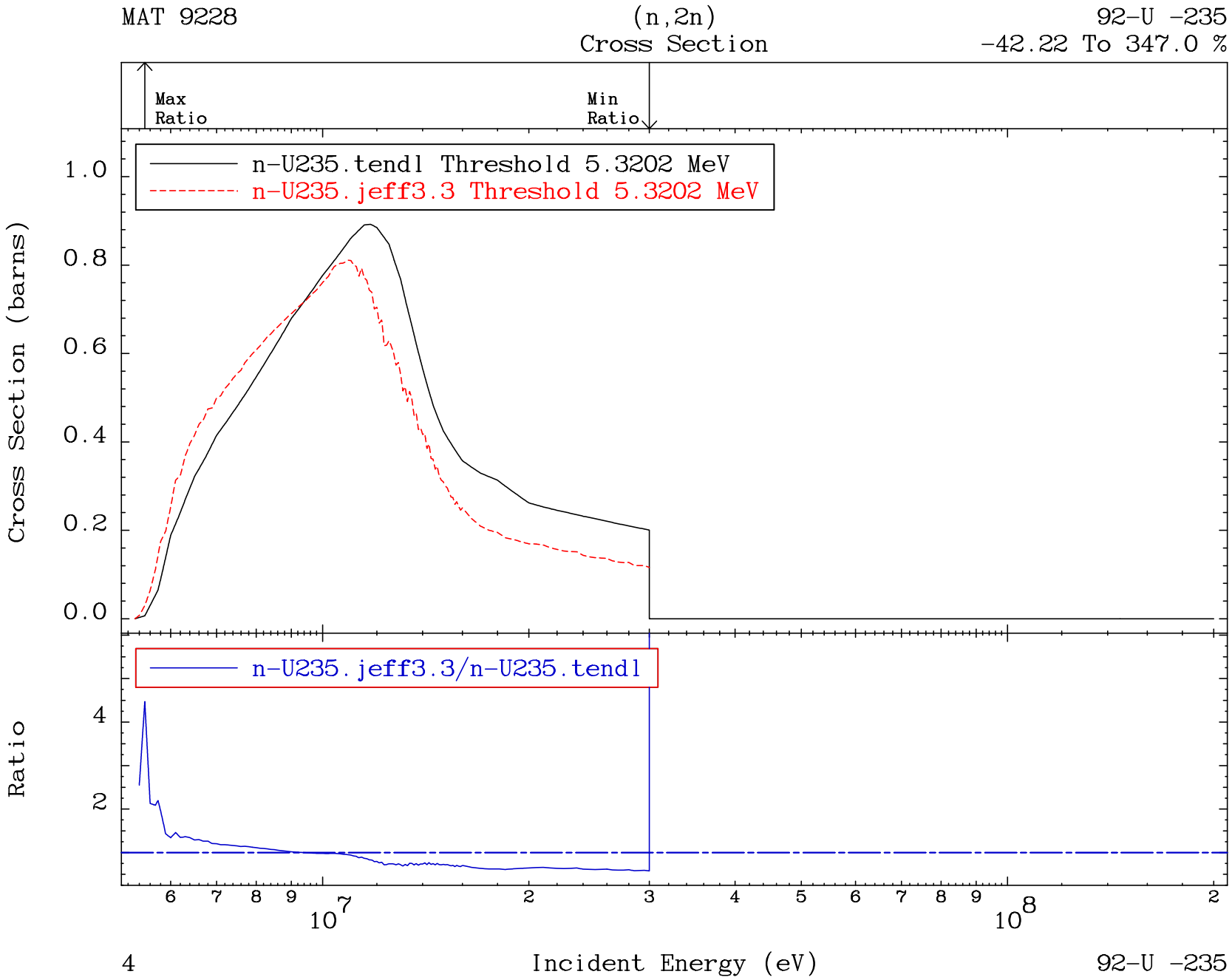

MAT 9228
Delayed $\bar{\nu}$
Parameters
92-U -235
-21.11 To 22.22 %
Min
Ratio
n-U235.tendl
n-U235.jeff3.3
Parameters (10^{-3})
18
16
14
12
10
8
n-U235.jeff3.3/n-U235.tendl
Ratio
1.2
1.0
0.8
0
50
100
150
200
2
Incident Energy (MeV)
92-U -235

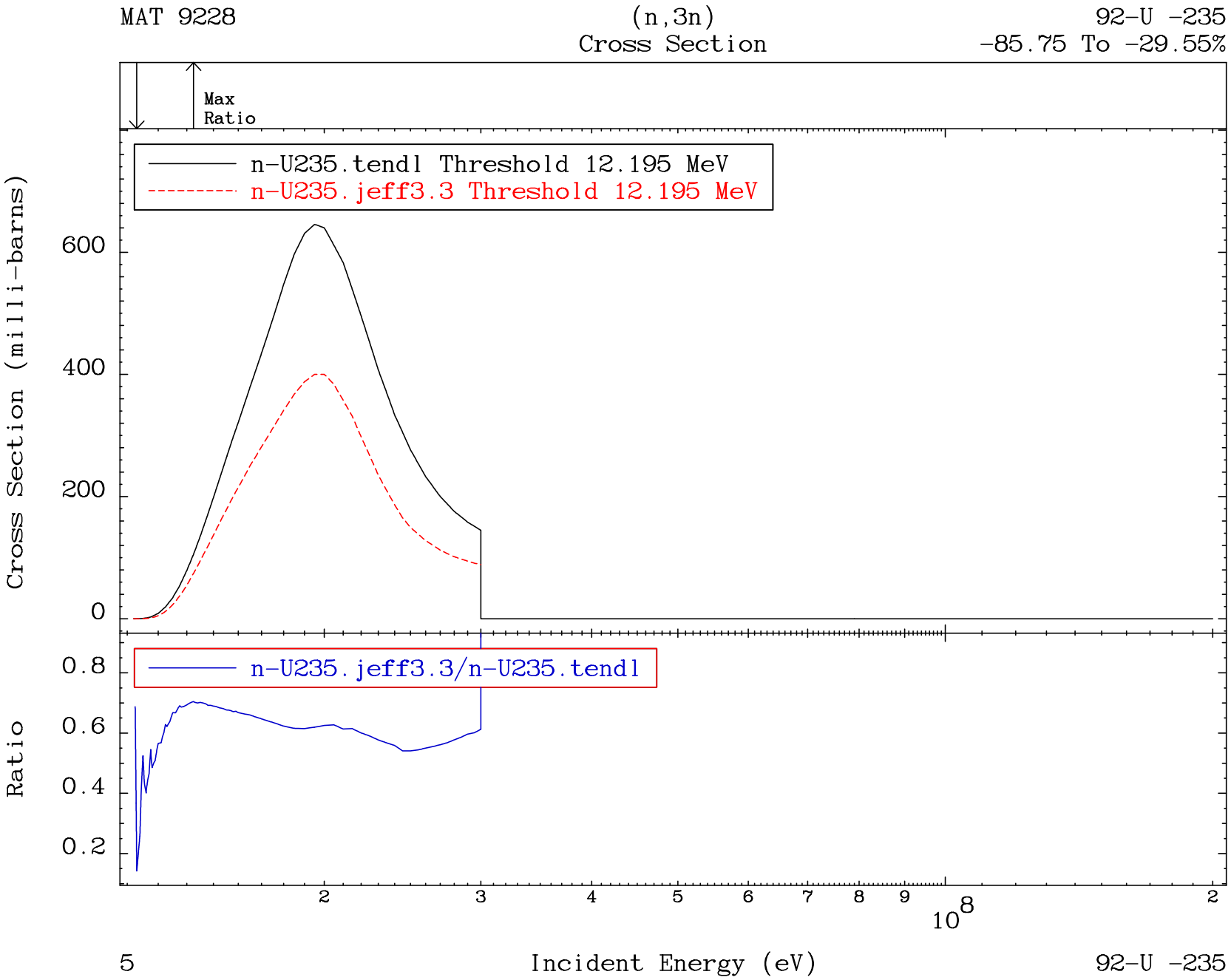

MAT 9228
Prompt $\bar{\nu}$
Parameters
92-U -235
-1.315 To 2.852 %
Max Ratio
Min Ratio
n-U235.tendl
n-U235.jeff3.3
Parameters
7
6
5
4
3
n-U235.jeff3.3/n-U235.tendl
Ratio
1.04
1.02
1.00
0
50
100
150
200
3
Incident Energy (MeV)
92-U -235

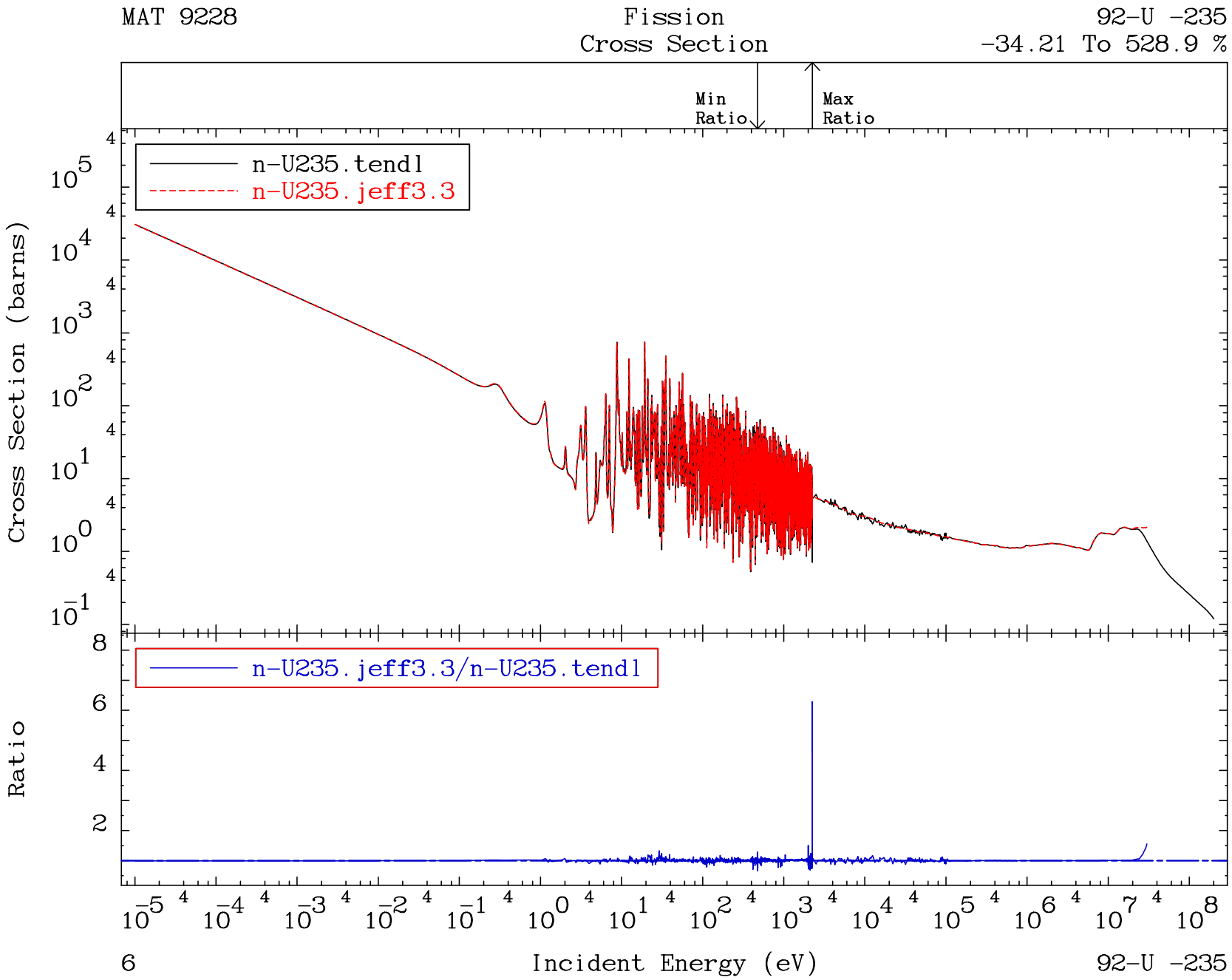

MAT 9228
Total
Cross Section
92-U -235
-28.39 To 63.54 %
Min
Ratio
Max
Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
92-U -235
1

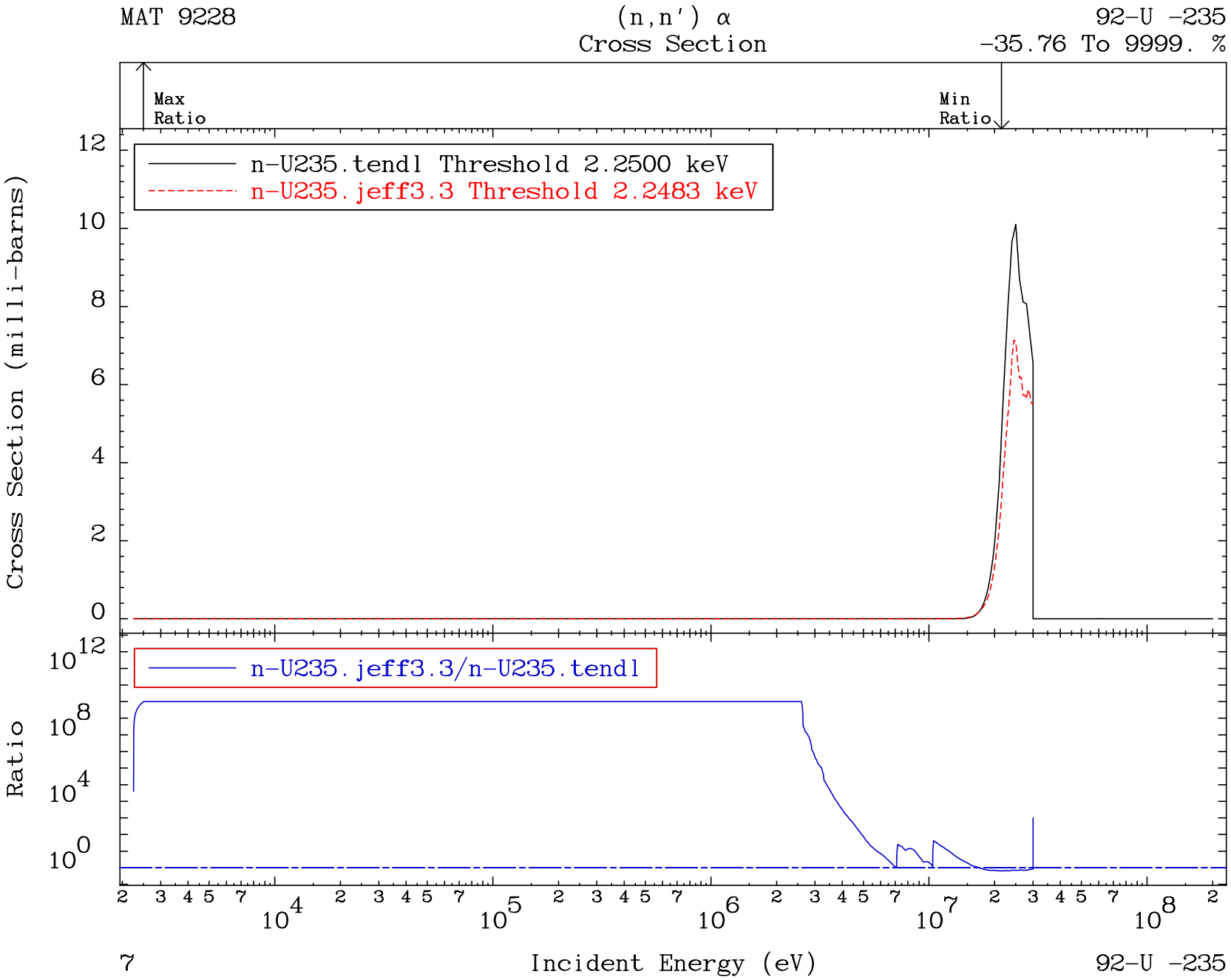

MAT 9228
Elastic
Cross Section
92-U -235
-26.44 To 19.46 %
Max
Ratio
Min
Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
2
92-U -235

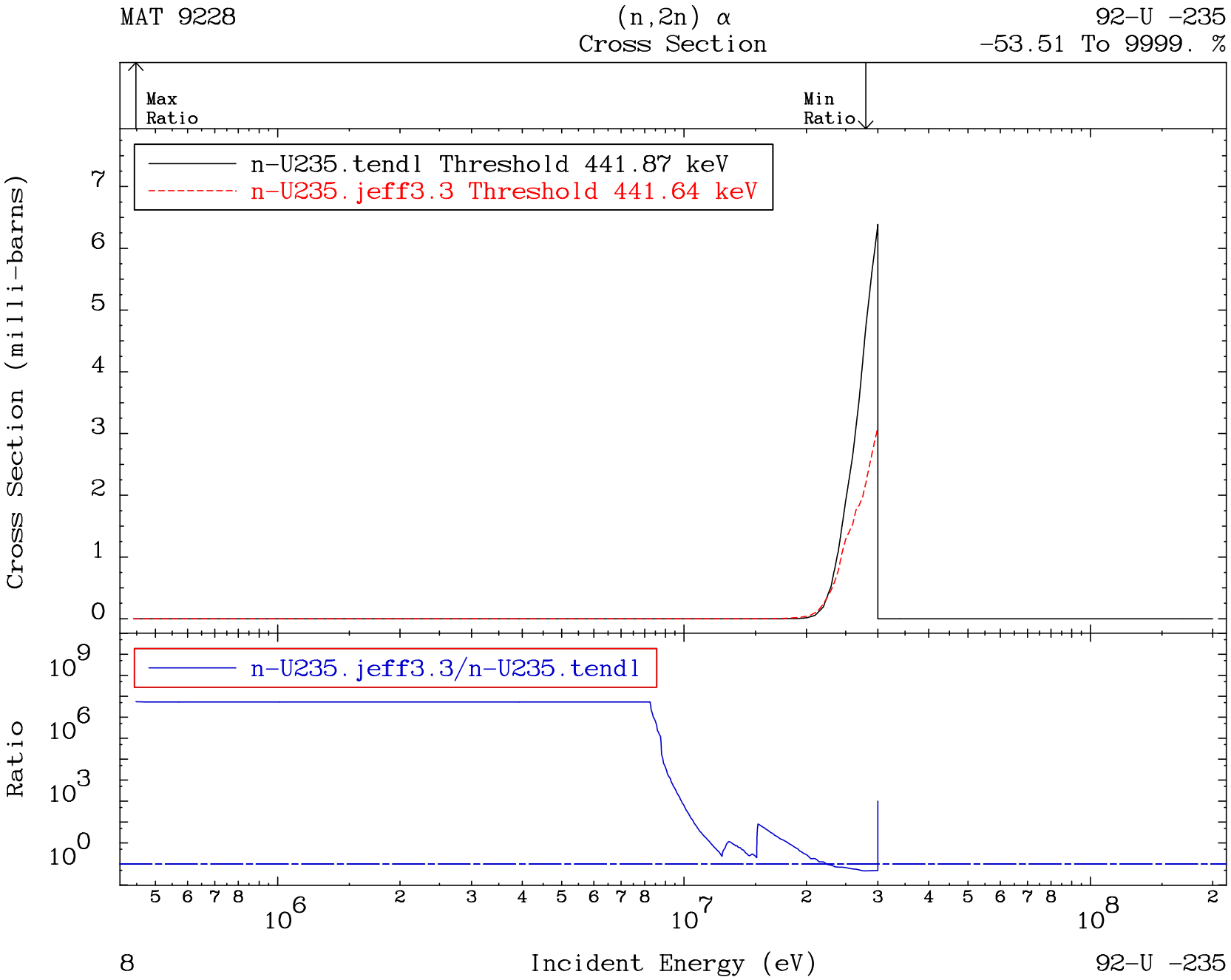

MAT 9228
Inelastic
Cross Section
92-U -235
-99.94 To 106.6 %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 2.2460 keV
n-U235.jeff3.3 Threshold 2.2469 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^0
10^-2
2 3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
92-U -235

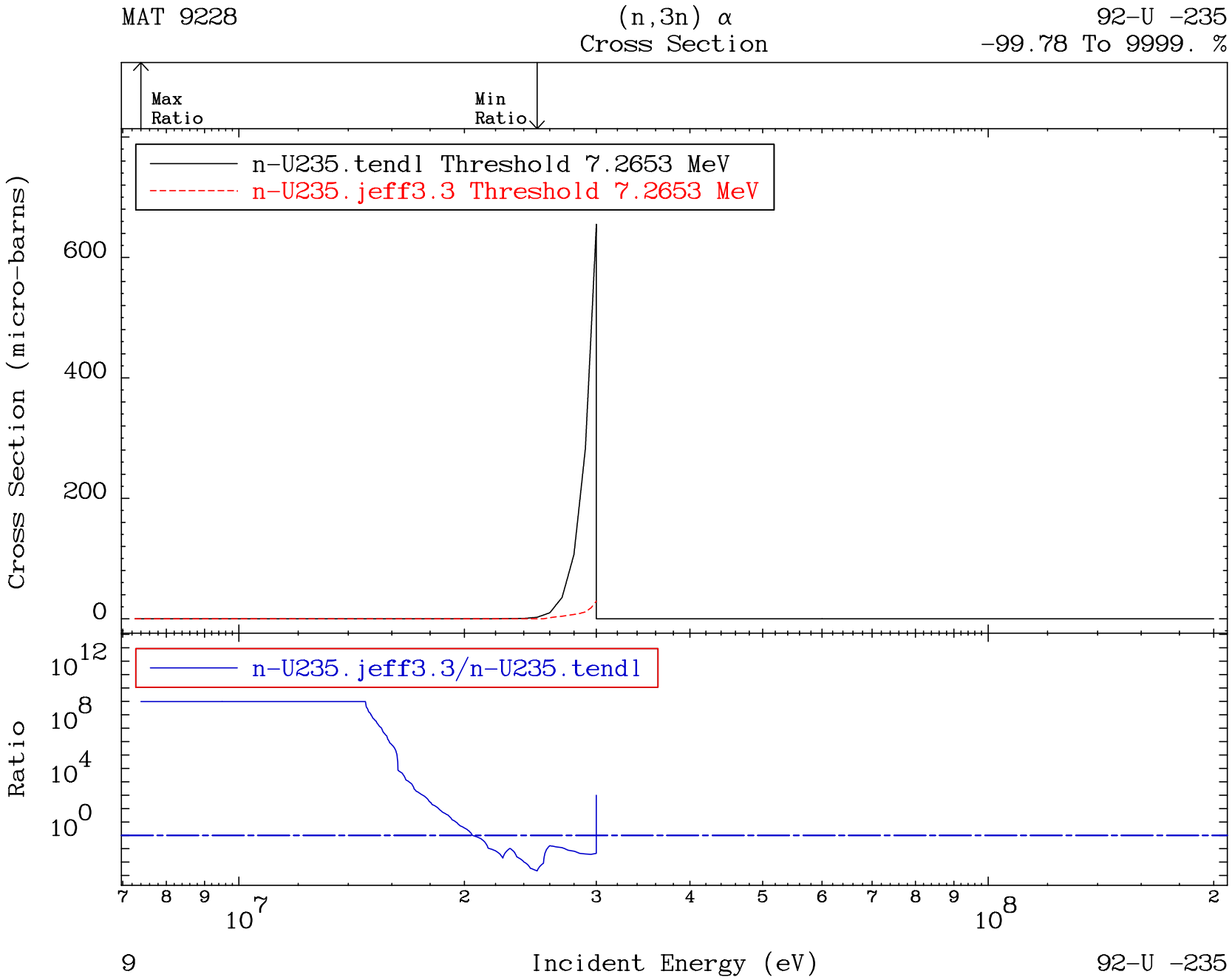

MAT 9228
(n,2n)
Cross Section
92-U -235
-42.22 To 347.0 %
Max Ratio
Min Ratio
n-U235.tendl Threshold 5.3202 MeV
n-U235.jeff3.3 Threshold 5.3202 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-U235.jeff3.3/n-U235.tendl
Ratio
4
2
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
92-U -235

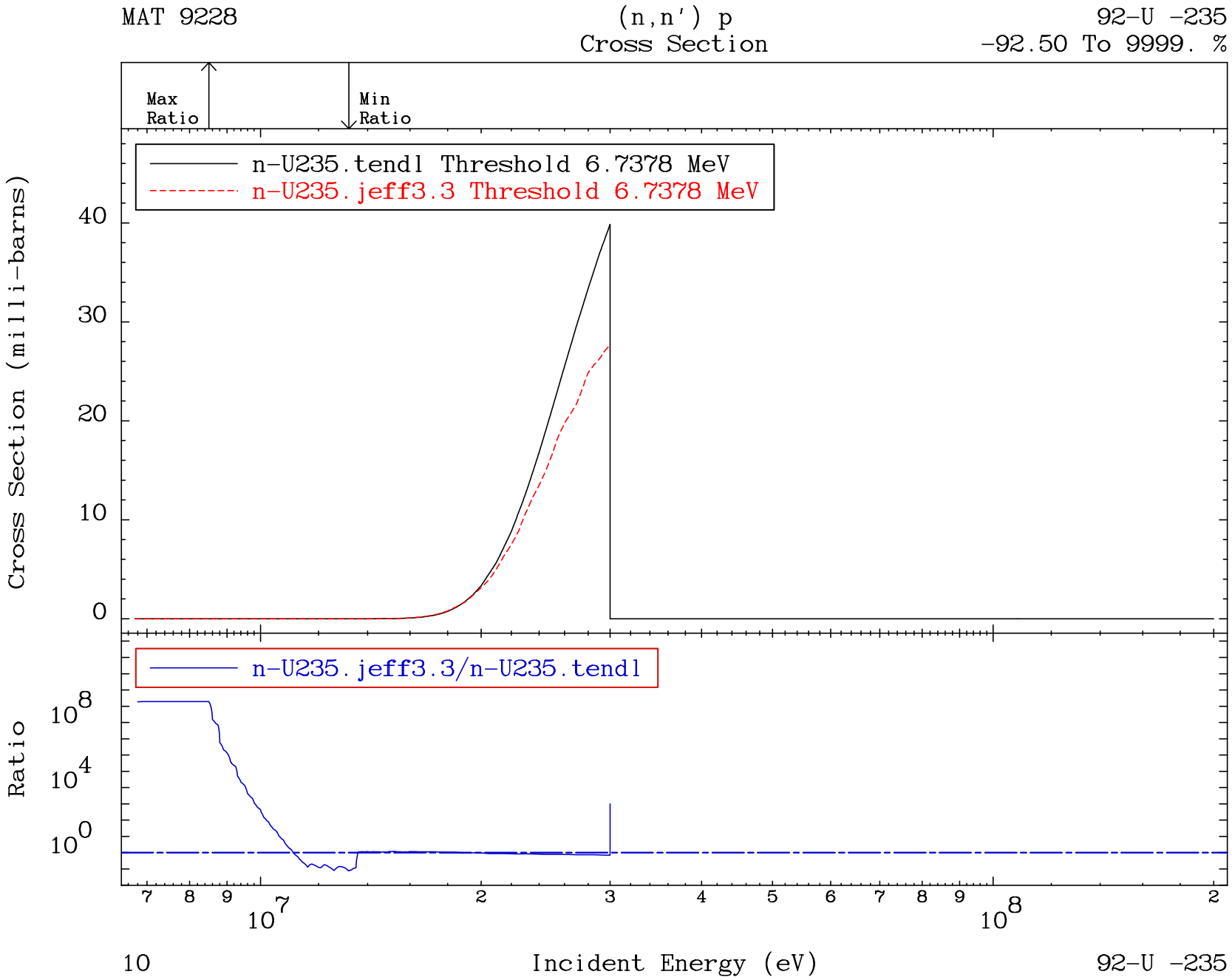

MAT 9228
(n,3n)
Cross Section
92-U -235
-85.75 To -29.55%
Max
Ratio
n-U235.tendl Threshold 12.195 MeV
n-U235.jeff3.3 Threshold 12.195 MeV
Cross Section (milli-barns)
600
400
200
0
n-U235.jeff3.3/n-U235.tendl
Ratio
0.8
0.6
0.4
0.2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
92-U -235

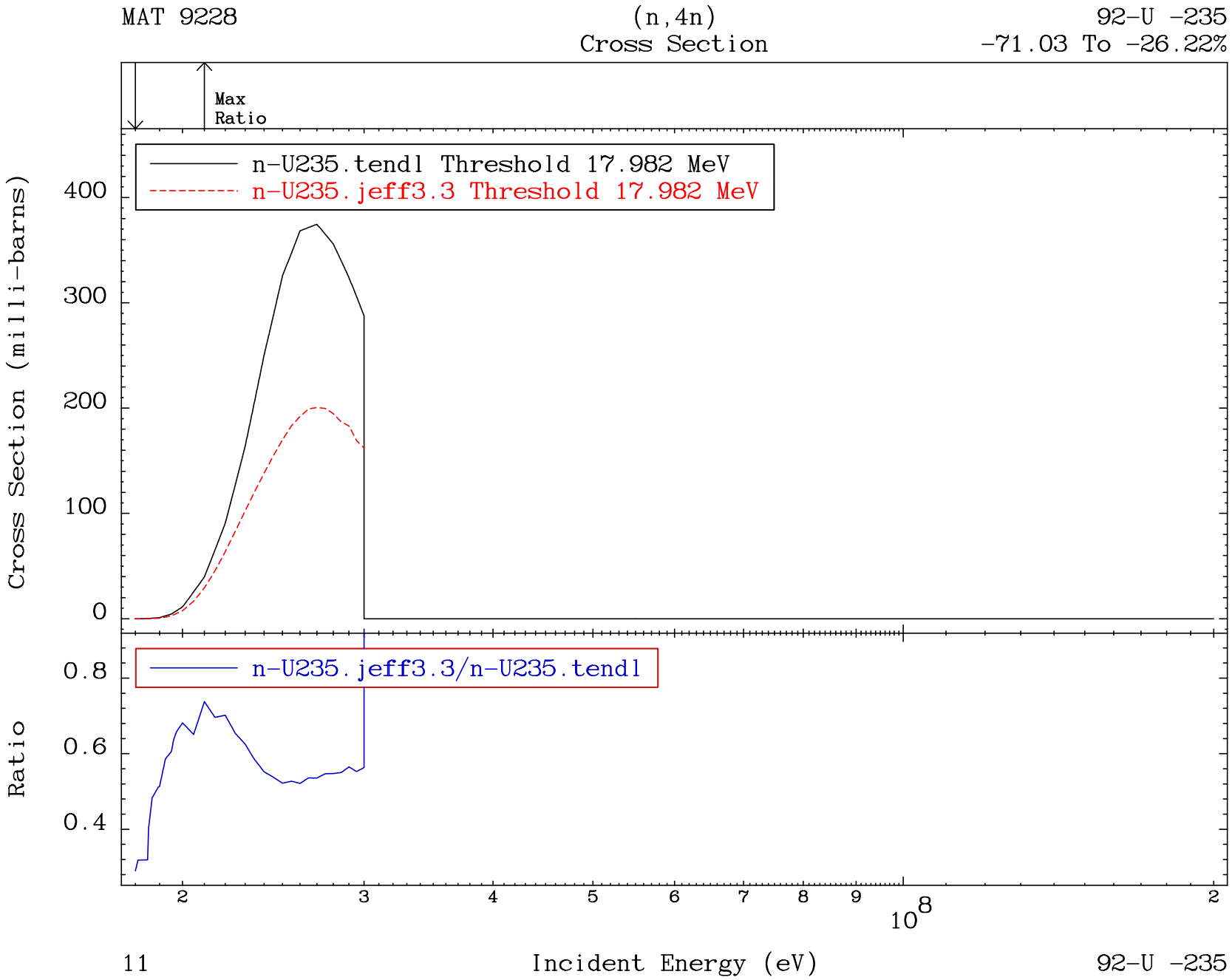

MAT 9228
Fission
Cross Section
92-U -235
-34.21 To 528.9 %
Min Ratio
Max Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
6
92-U -235

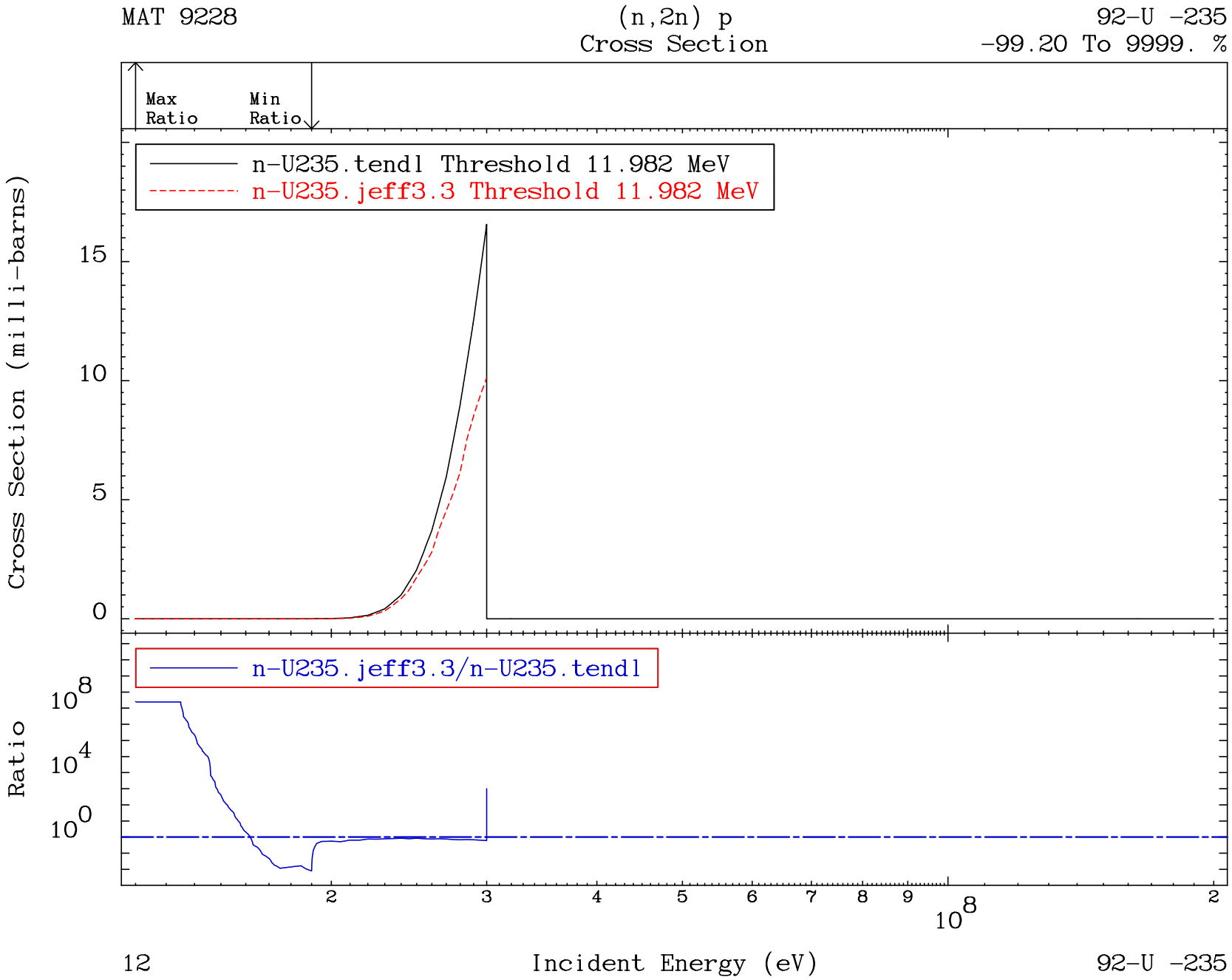

MAT 9228
(n,n') α
Cross Section
92-U -235
-35.76 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 2.2500 keV
n-U235.jeff3.3 Threshold 2.2483 keV
Cross Section (milli-barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
7
92-U -235

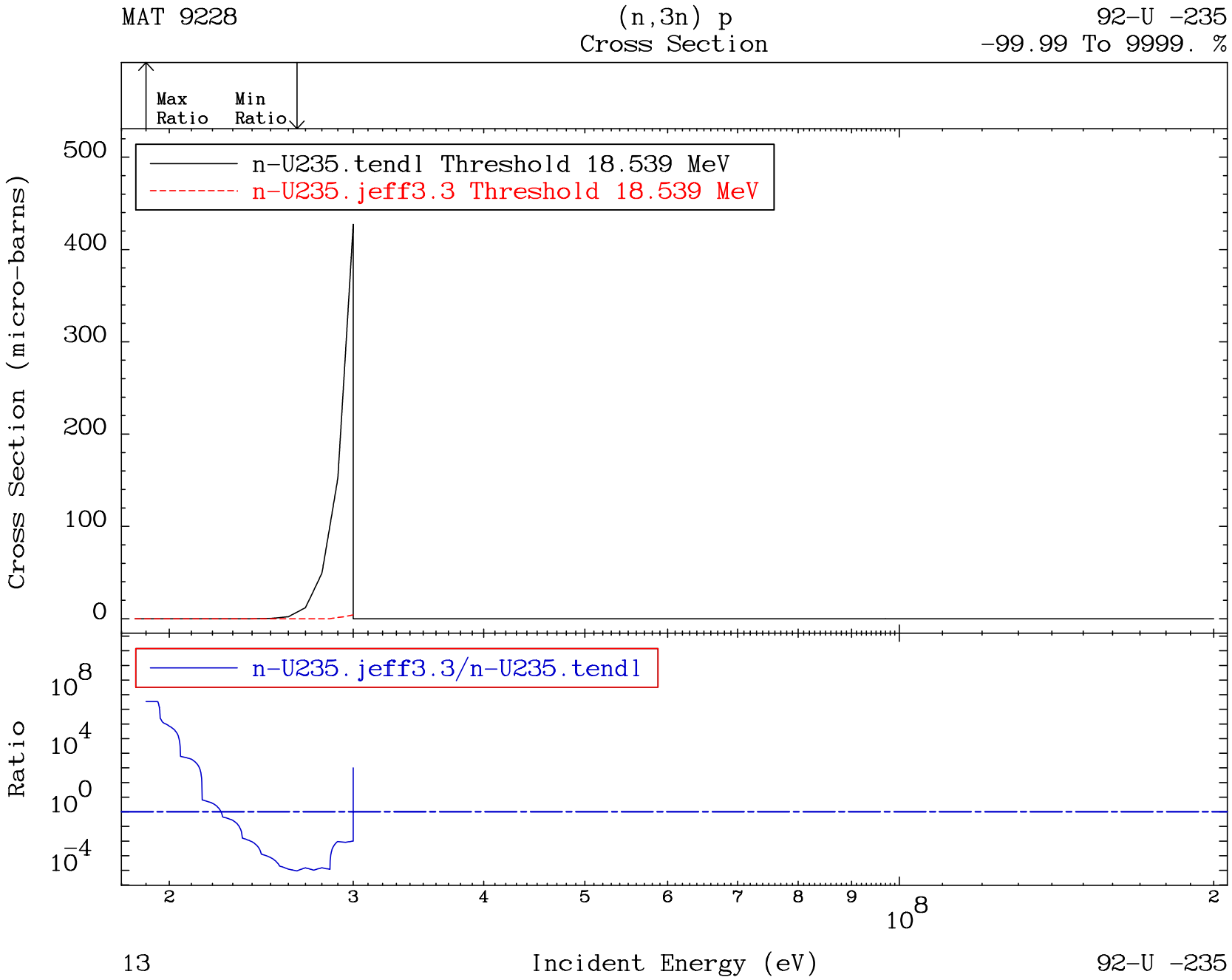

MAT 9228
(n,2n) α
Cross Section
92-U -235
-53.51 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 441.87 keV
n-U235.jeff3.3 Threshold 441.64 keV
Cross Section (milli-barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
8
92-U -235

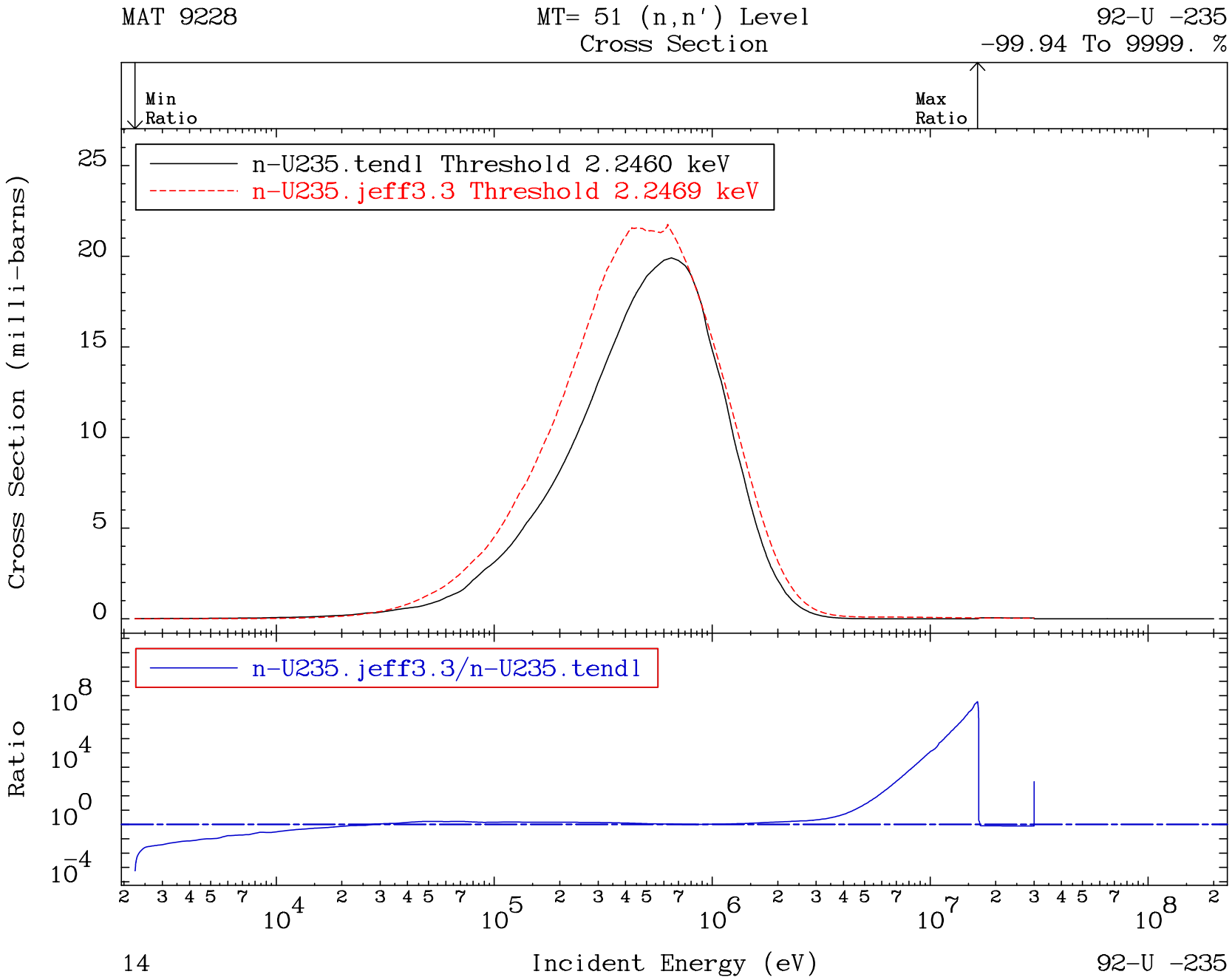

MAT 9228
(n,3n) α
Cross Section
92-U -235
-99.78 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 7.2653 MeV
n-U235.jeff3.3 Threshold 7.2653 MeV
Cross Section (micro-barns)
600
400
200
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^12
10^8
10^4
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
92-U -235

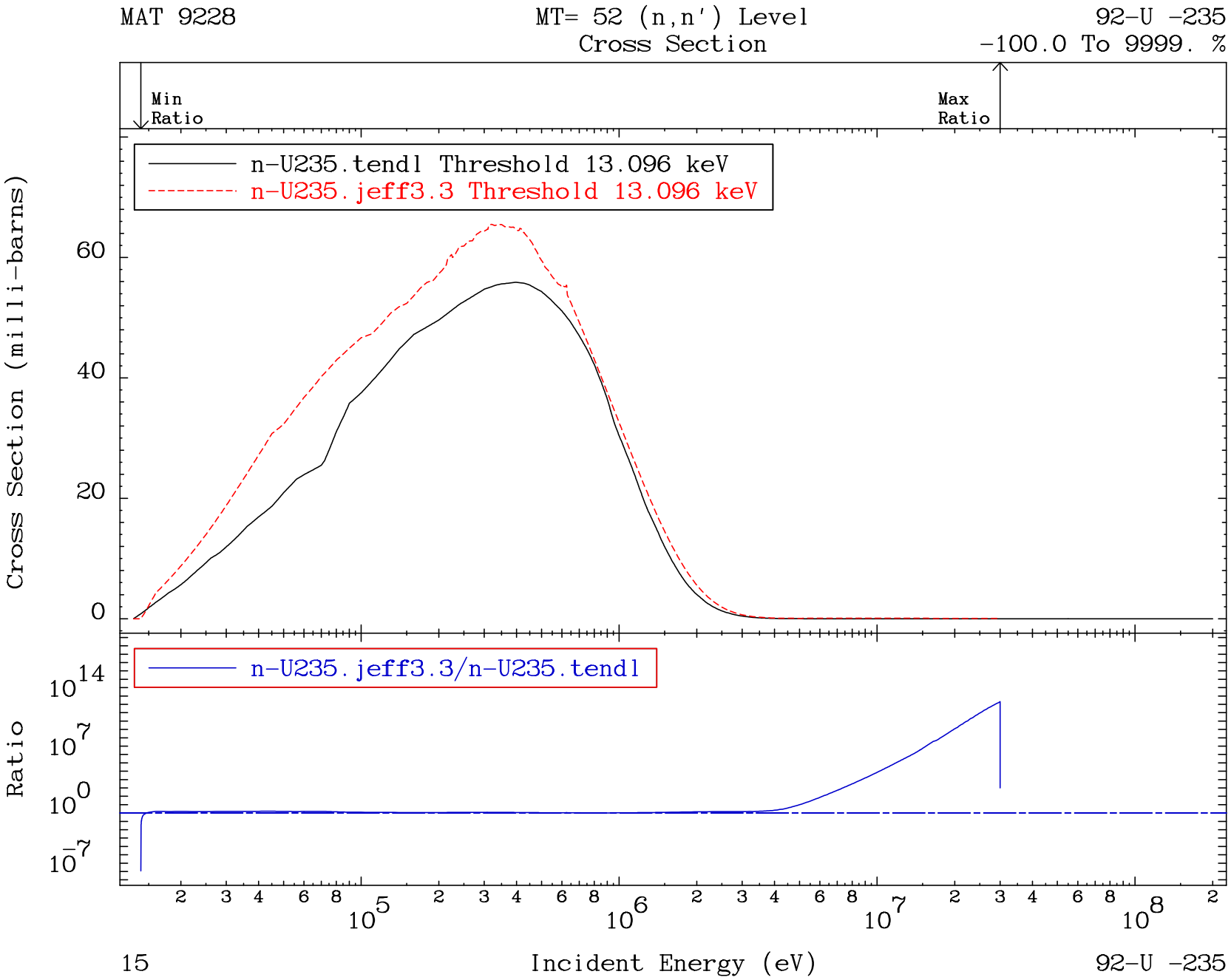

MAT 9228
(n,n') p
Cross Section
92-U -235
-92.50 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 6.7378 MeV
n-U235.jeff3.3 Threshold 6.7378 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
92-U -235

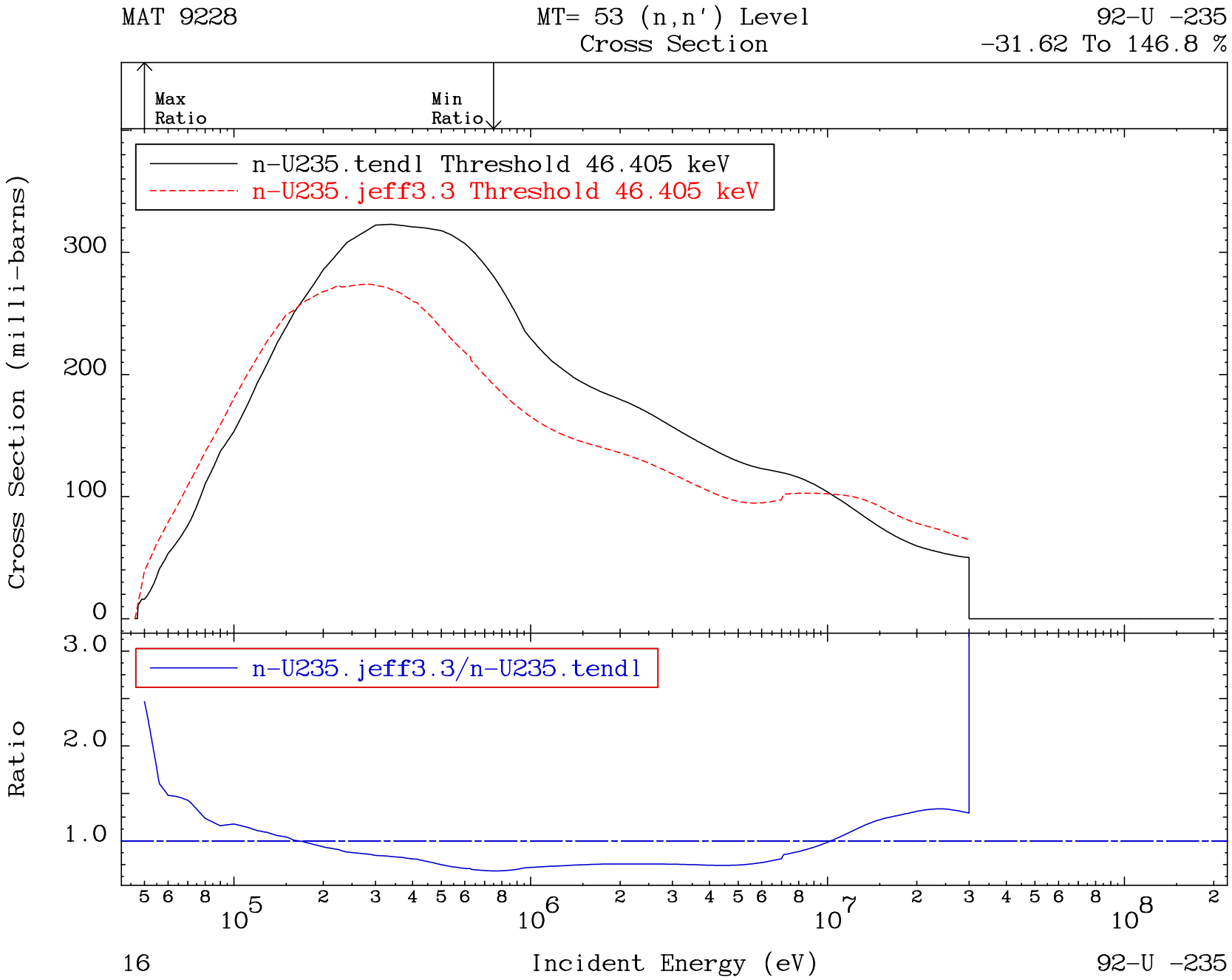

MAT 9228
(n,4n)
Cross Section
92-U -235
-71.03 To -26.22%
Max
Ratio
n-U235.tendl Threshold 17.982 MeV
n-U235.jeff3.3 Threshold 17.982 MeV
Cross Section (milli-barns)
400
300
200
100
0
n-U235.jeff3.3/n-U235.tendl
Ratio
0.8
0.6
0.4
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
92-U -235

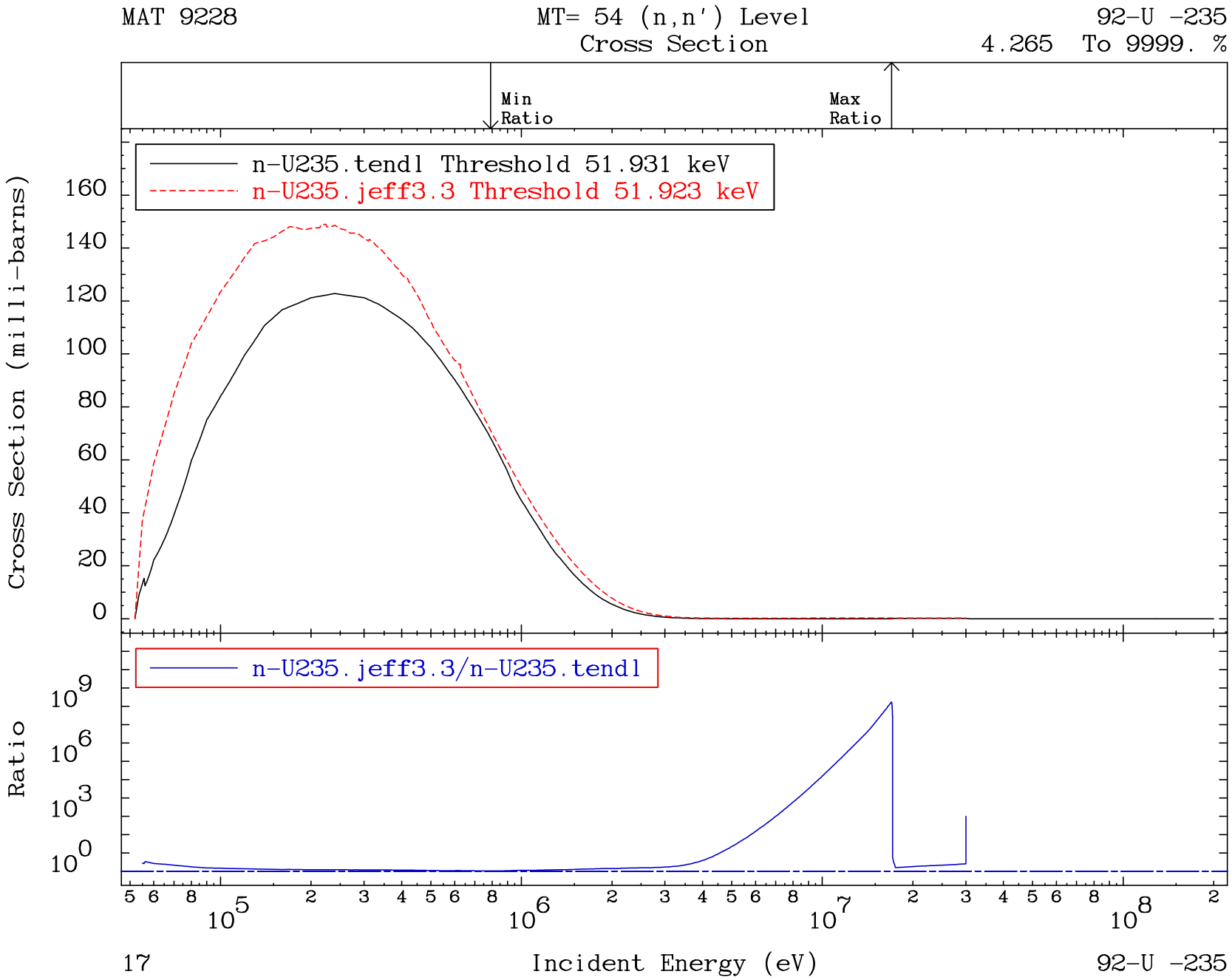

MAT 9228
(n,2n) p
Cross Section
92-U -235
-99.20 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 11.982 MeV
n-U235.jeff3.3 Threshold 11.982 MeV
Cross Section (milli-barns)
15
10
5
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
92-U -235

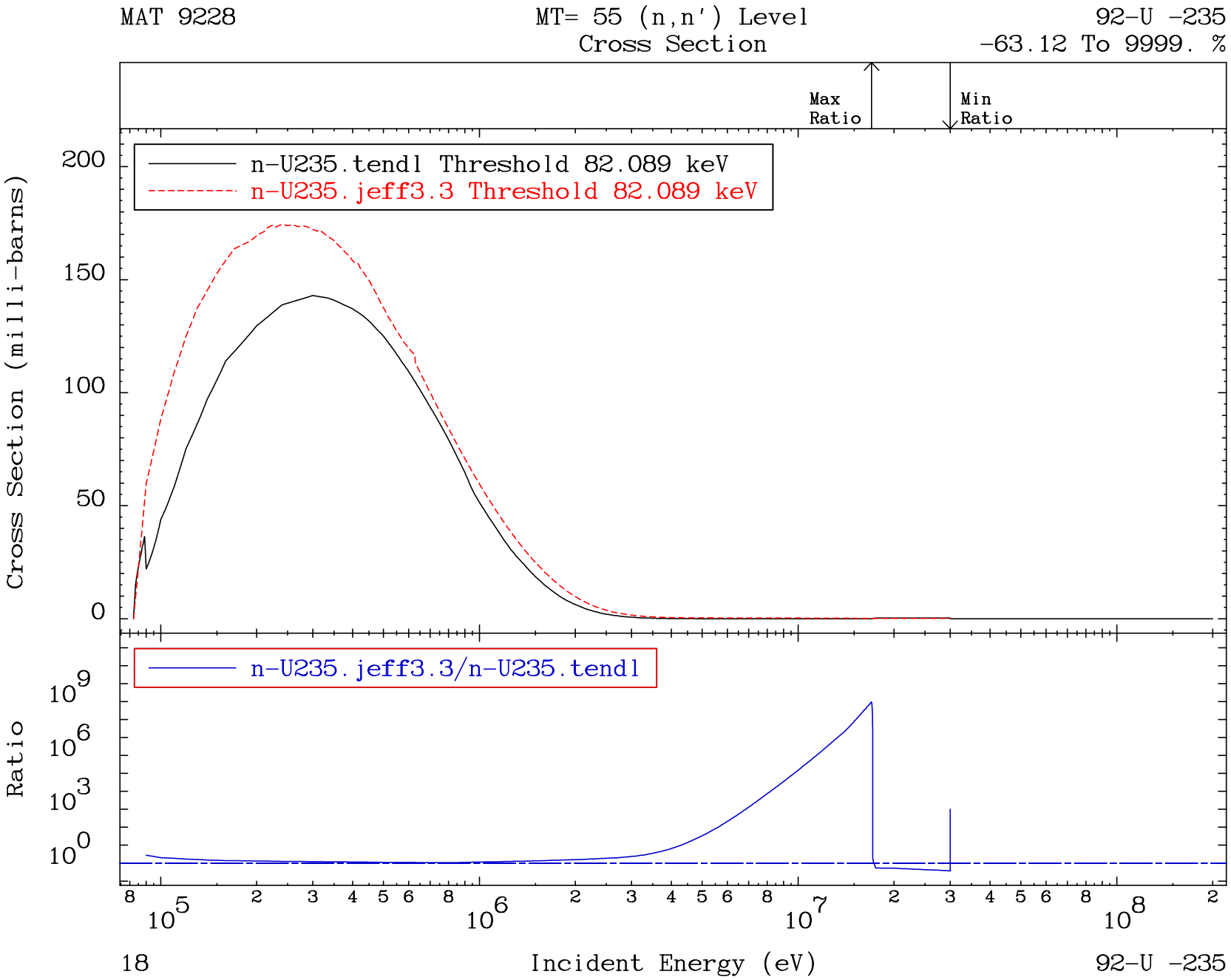

MAT 9228
(n,3n) p
Cross Section
92-U -235
-99.99 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 18.539 MeV
n-U235.jeff3.3 Threshold 18.539 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
10^-4
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
92-U -235

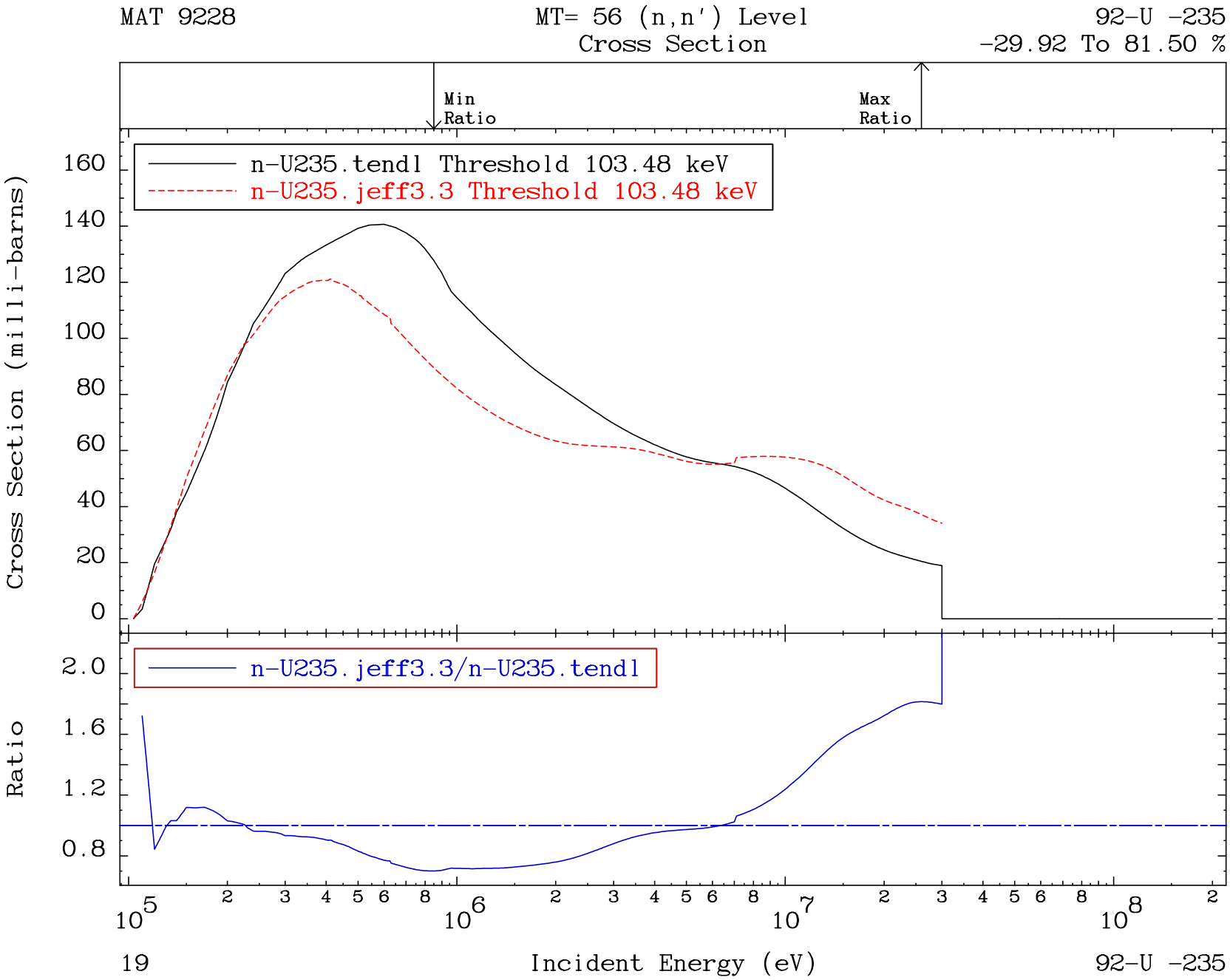

MAT 9228
MT= 51 (n,n') Level
Cross Section
92-U -235
-99.94 To 9999. %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 2.2460 keV
n-U235.jeff3.3 Threshold 2.2469 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
10^-4
2 3 4 5 7 10^4 2 3 4 5 7 10^5 2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
14
Incident Energy (eV)
92-U -235

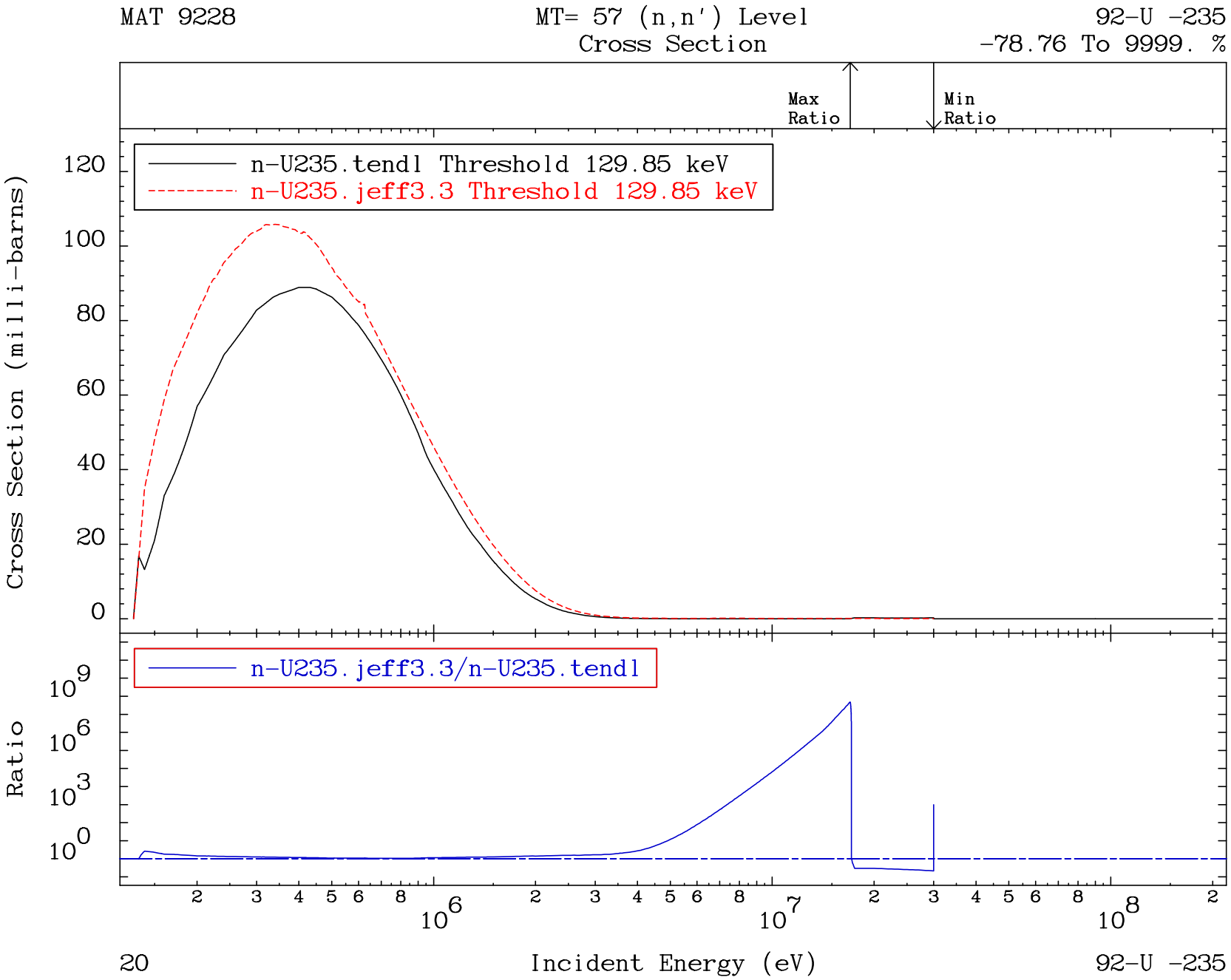

MAT 9228
MT= 52 (n,n') Level
Cross Section
92-U -235
-100.0 To 9999. %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 13.096 keV
n-U235.jeff3.3 Threshold 13.096 keV
Cross Section (milli-barns)
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^14
10^7
10^0
10^-7
2 3 4 6 8 10^5 2 3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
15
Incident Energy (eV)
92-U -235

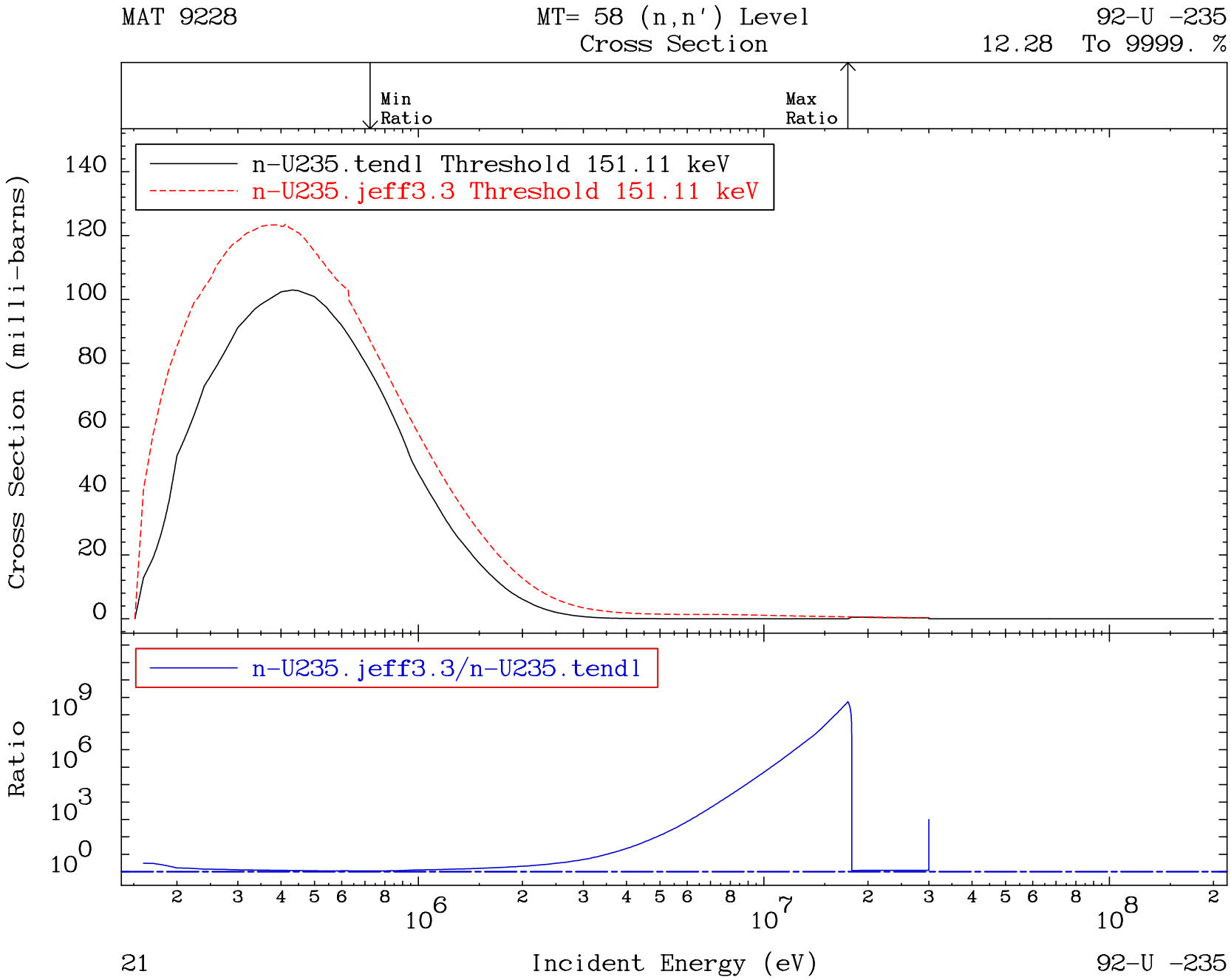

MAT 9228
MT= 53 (n,n') Level
Cross Section
92-U -235
-31.62 To 146.8 %
Max
Ratio
Min
Ratio
n-U235.tendl Threshold 46.405 keV
n-U235.jeff3.3 Threshold 46.405 keV
Cross Section (milli-barns)
300
200
100
0
n-U235.jeff3.3/n-U235.tendl
Ratio
3.0
2.0
1.0
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
92-U -235

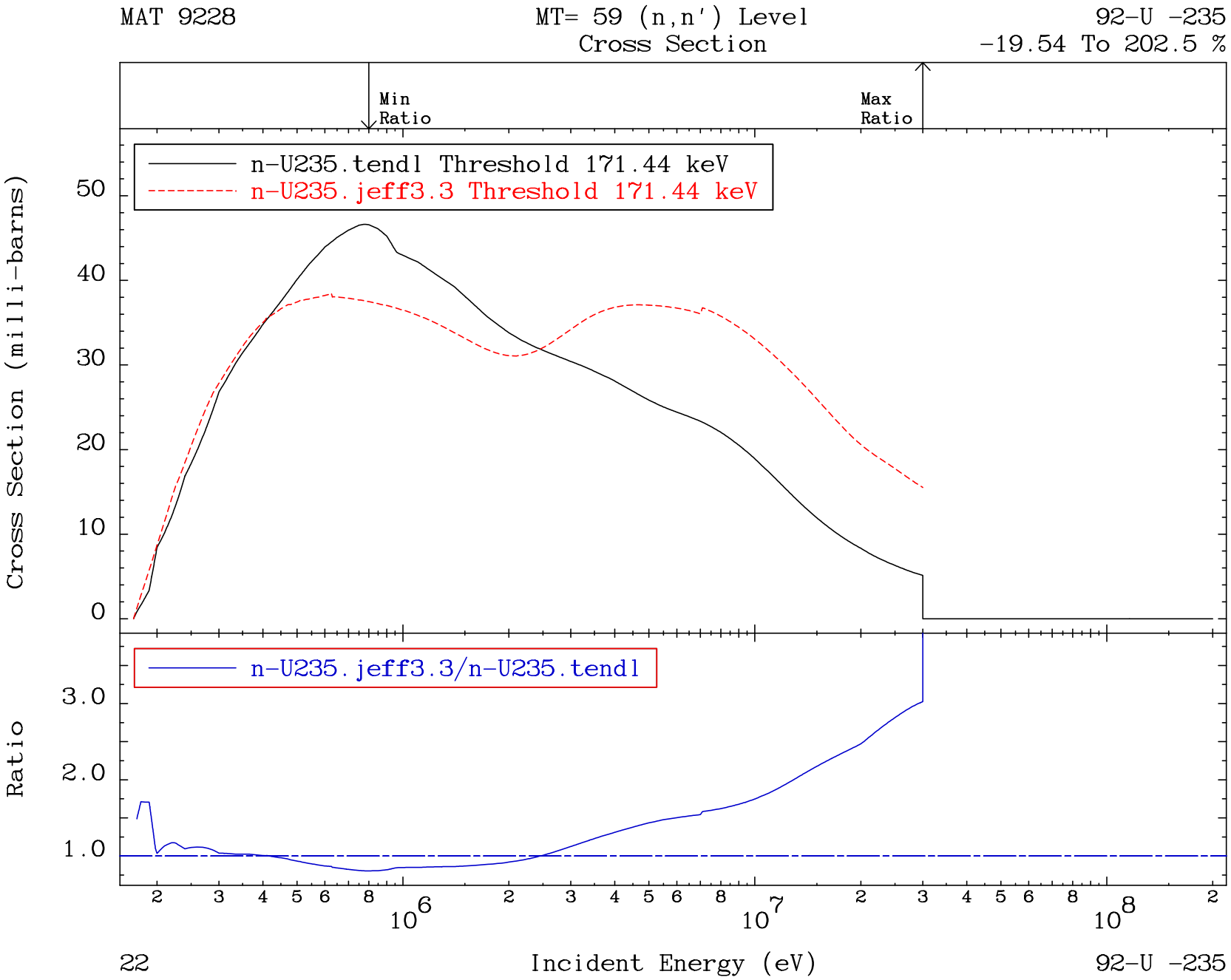

MAT 9228
MT= 54 (n,n') Level
Cross Section
92-U -235
4.265 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 51.931 keV
n-U235.jeff3.3 Threshold 51.923 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
92-U -235

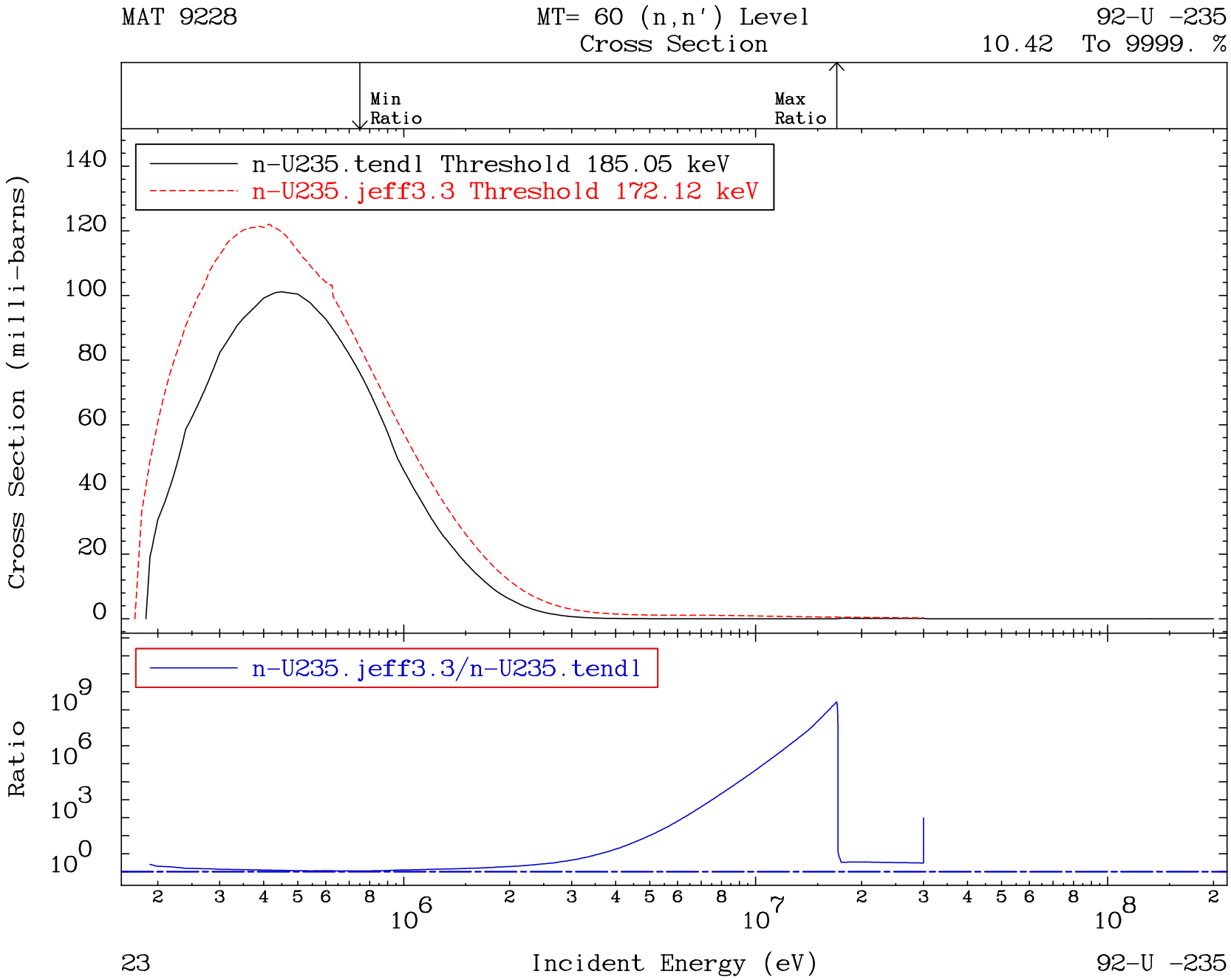

MAT 9228
MT= 55 (n,n') Level
Cross Section
92-U -235
-63.12 To 9999. %
Max
Ratio
Min
Ratio
n-U235.tendl Threshold 82.089 keV
n-U235.jeff3.3 Threshold 82.089 keV
Cross Section (milli-barns)
200
150
100
50
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
8
10^5
2
3
4
5
6
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
18
Incident Energy (eV)
92-U -235

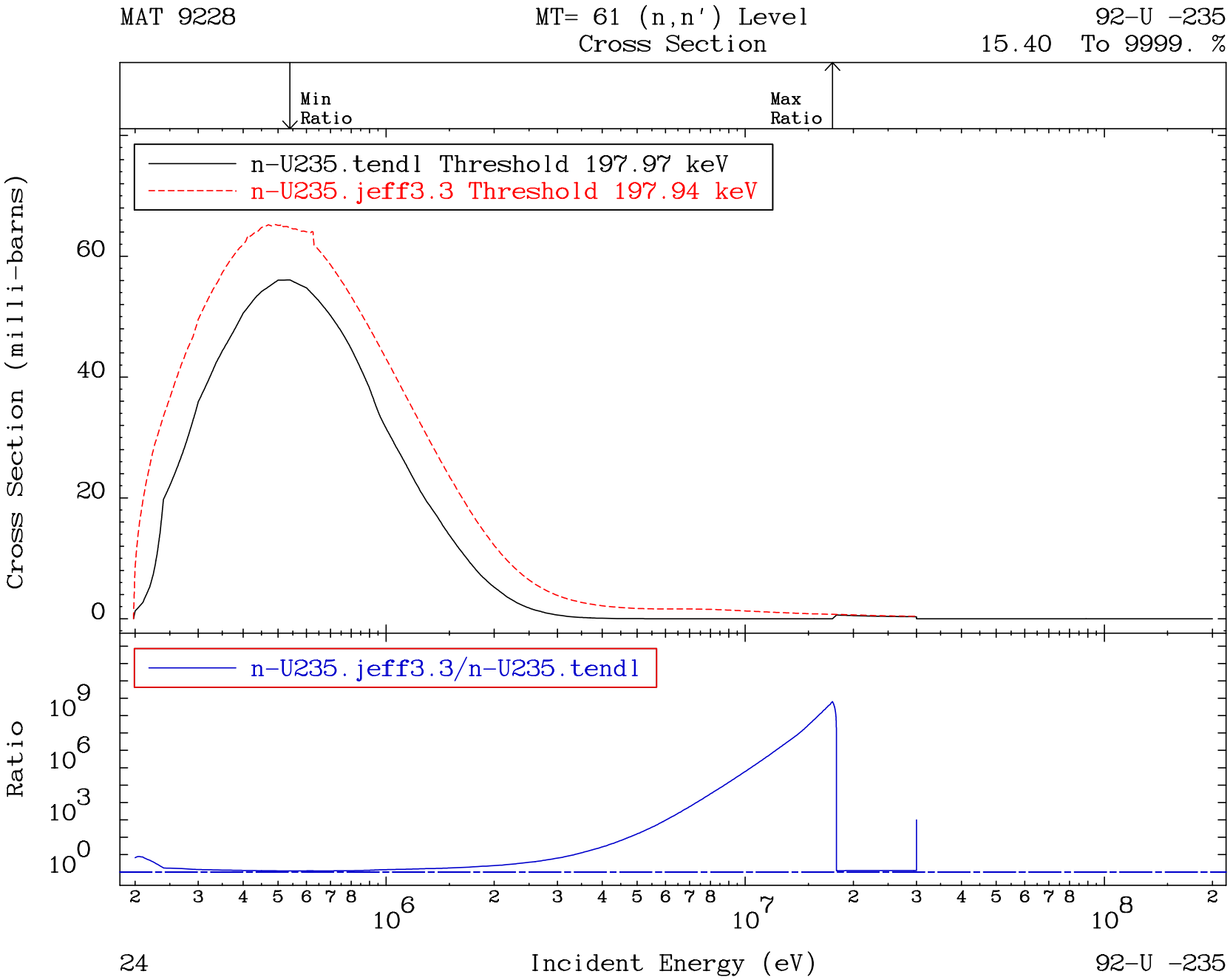

MAT 9228
MT= 56 (n,n') Level
Cross Section
92-U -235
-29.92 To 81.50 %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 103.48 keV
n-U235.jeff3.3 Threshold 103.48 keV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
2.0
1.6
1.2
0.8
10^5
10^6
10^7
10^8
19
Incident Energy (eV)
92-U -235

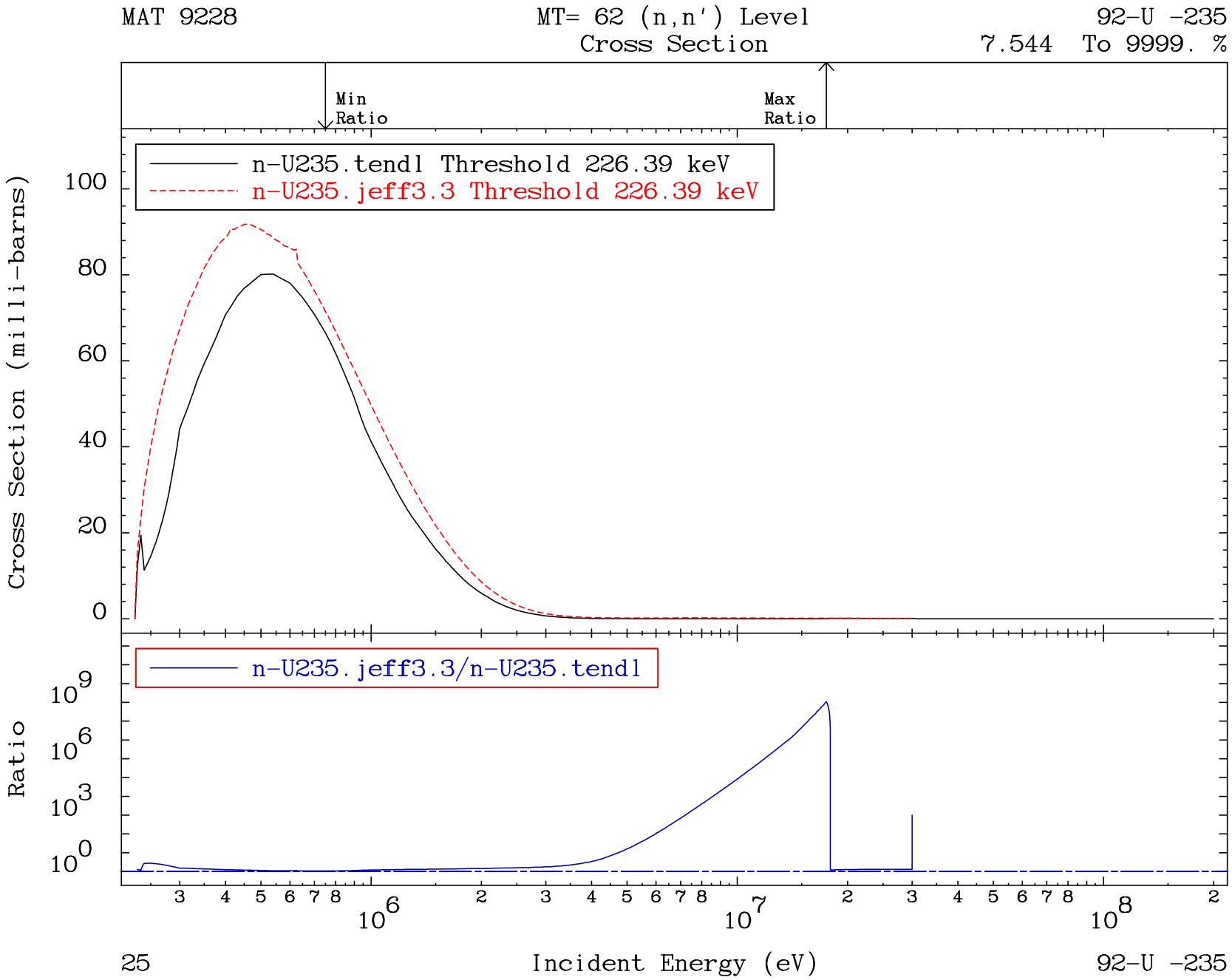

MAT 9228
MT= 57 (n,n') Level
Cross Section
92-U -235
-78.76 To 9999. %
Max
Ratio
Min
Ratio
n-U235.tendl Threshold 129.85 keV
n-U235.jeff3.3 Threshold 129.85 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
92-U -235

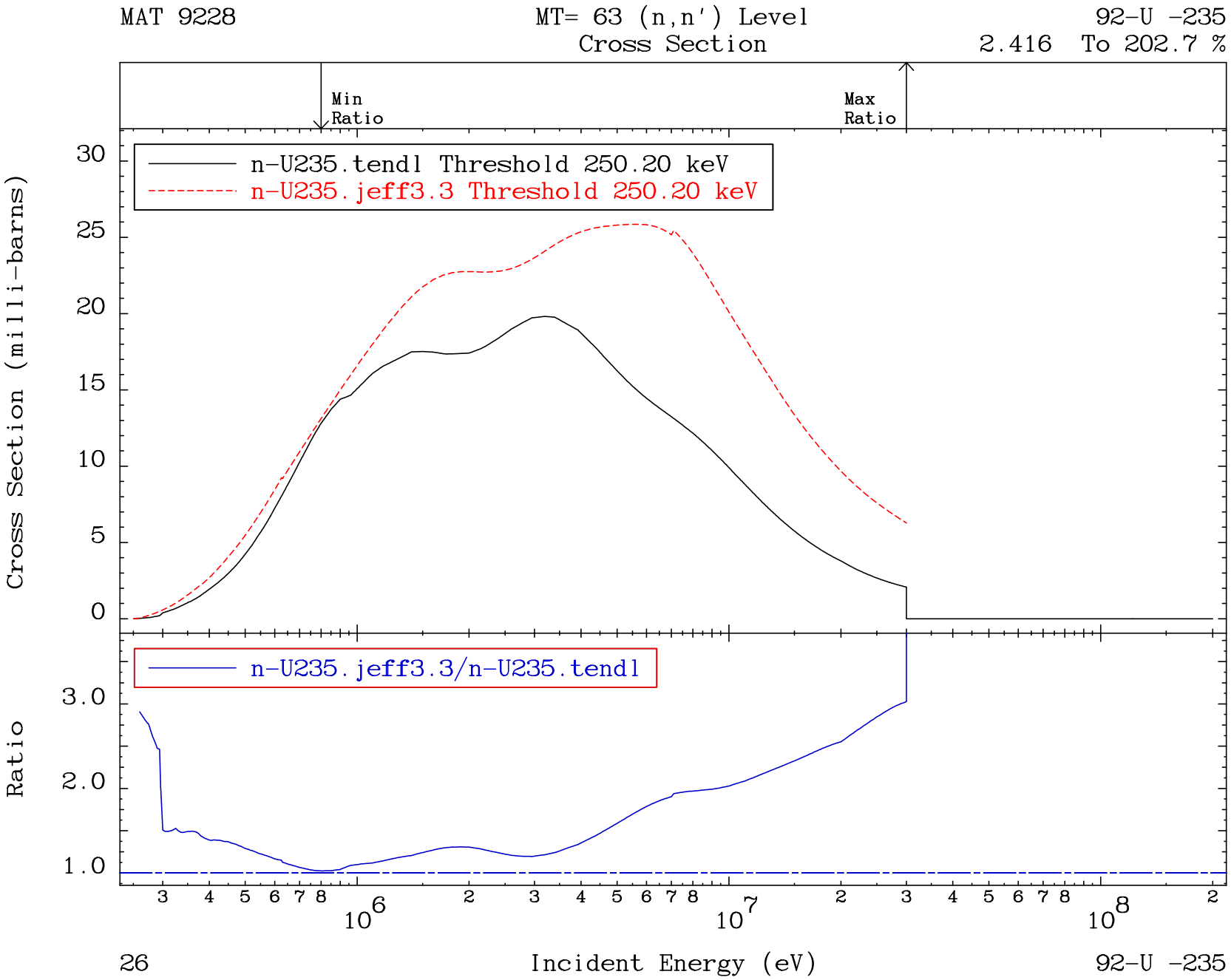

MAT 9228
MT= 58 (n,n') Level
Cross Section
92-U -235
12.28 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 151.11 keV
n-U235.jeff3.3 Threshold 151.11 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
92-U -235

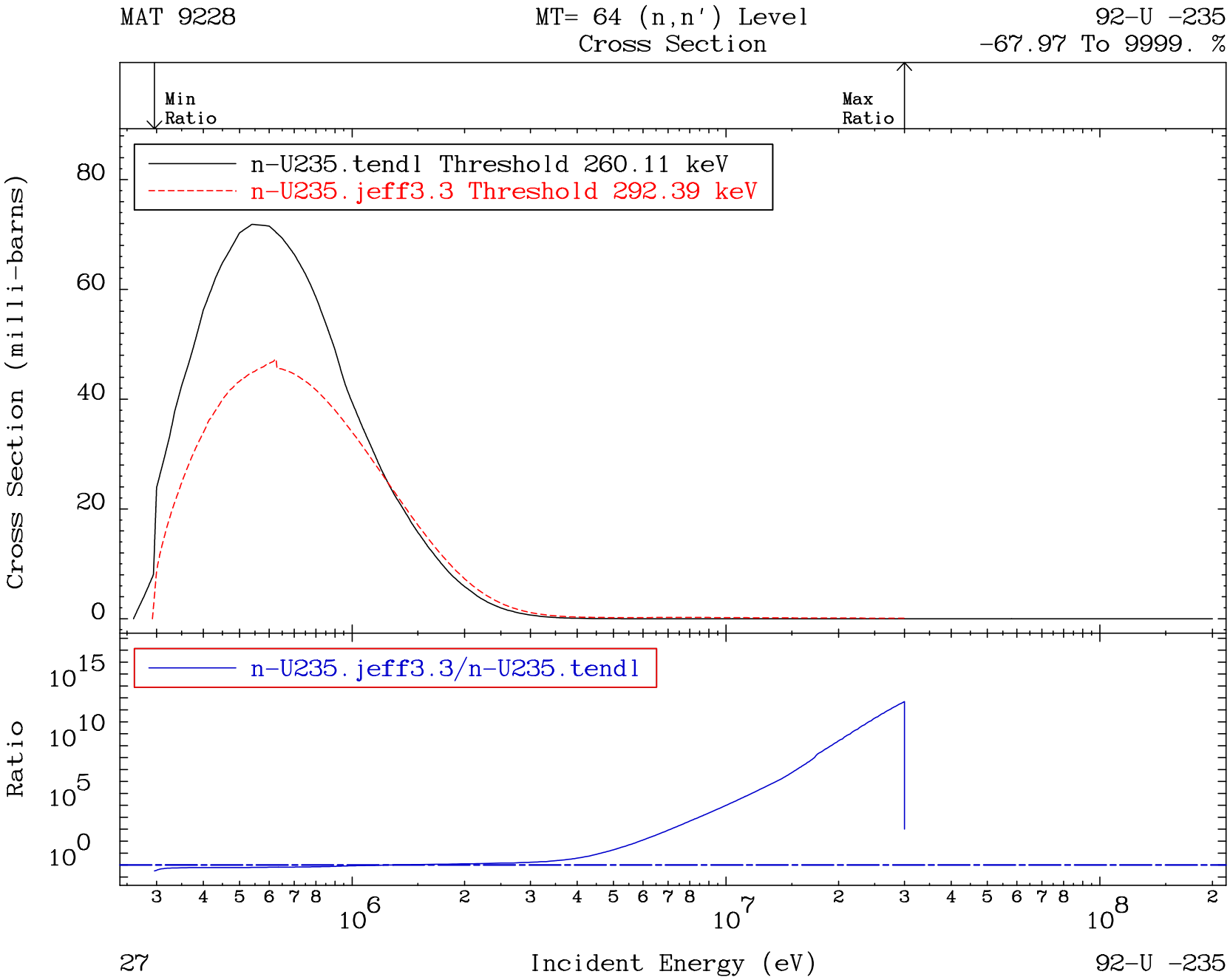

MAT 9228
MT= 59 (n,n') Level
Cross Section
92-U -235
-19.54 To 202.5 %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 171.44 keV
n-U235.jeff3.3 Threshold 171.44 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
3.0
2.0
1.0
2
3
4
5
6
8
10^6
10^7
10^8
22
Incident Energy (eV)
92-U -235

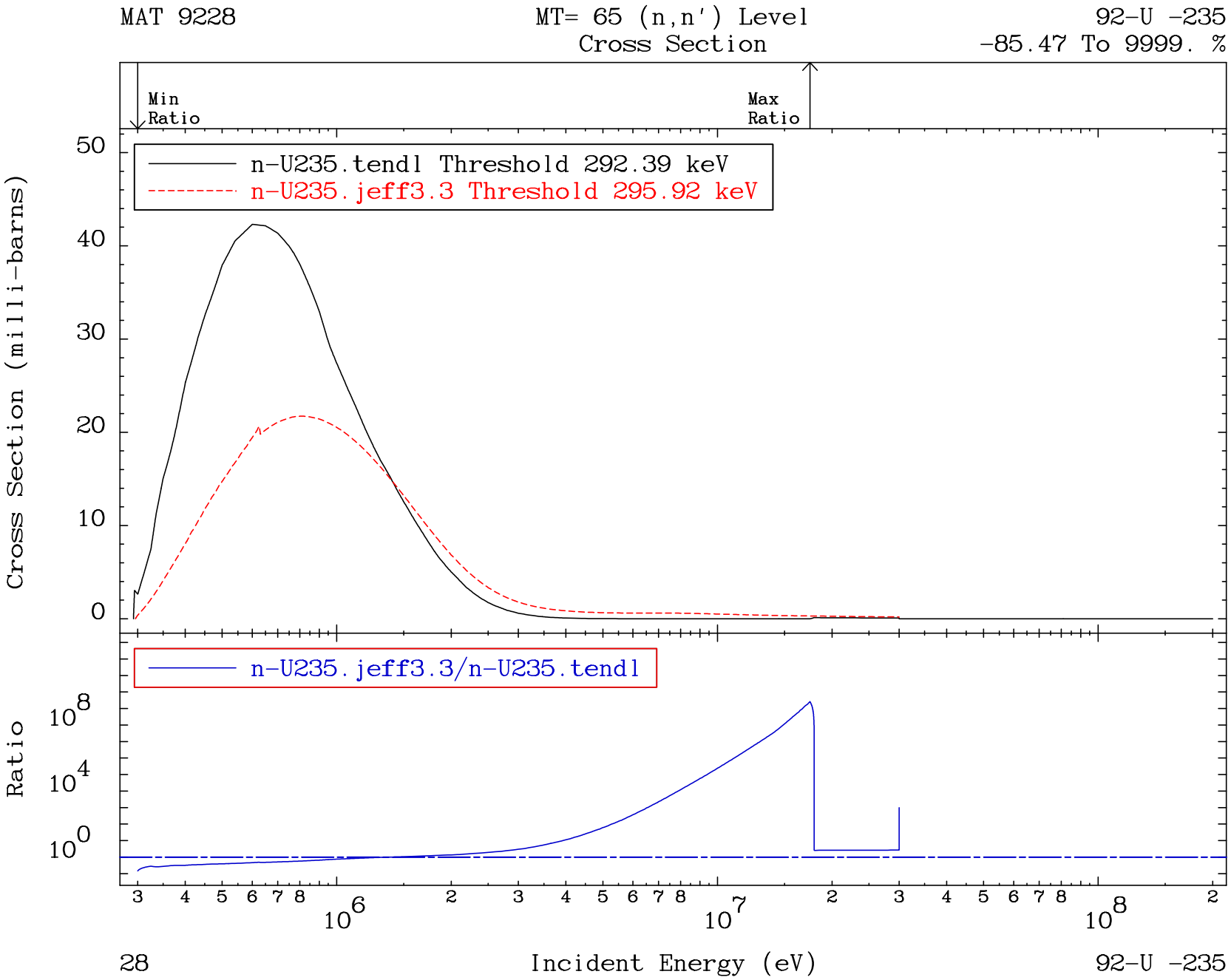

MAT 9228
MT= 60 (n,n') Level
Cross Section
92-U -235
10.42 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 185.05 keV
n-U235.jeff3.3 Threshold 172.12 keV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
92-U -235

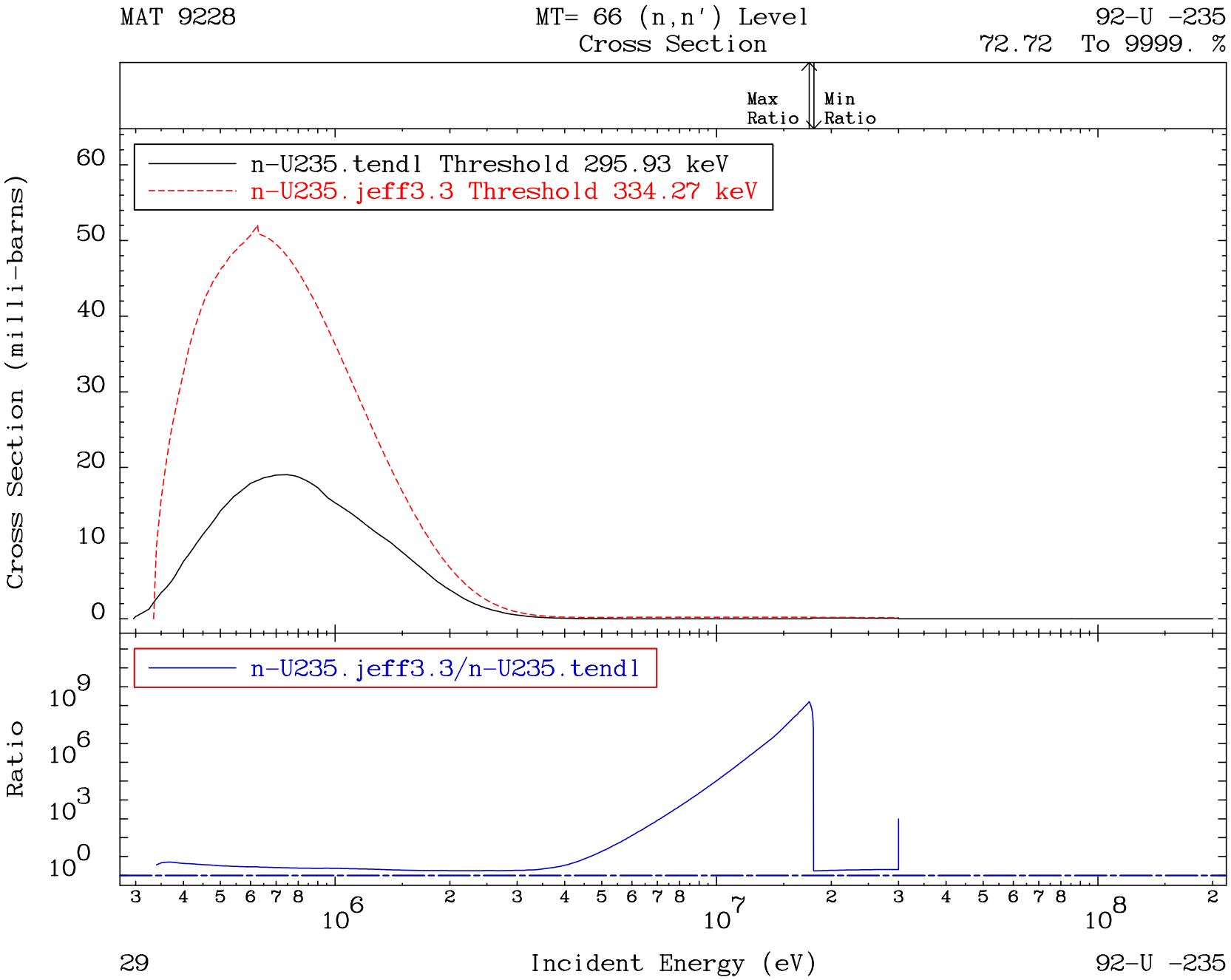

MAT 9228
MT= 61 (n,n') Level
Cross Section
92-U -235
15.40 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 197.97 keV
n-U235.jeff3.3 Threshold 197.94 keV
Cross Section (milli-barns)
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
2 3 4 5 6 7 8
10^6
10^7
10^8
24
Incident Energy (eV)
92-U -235

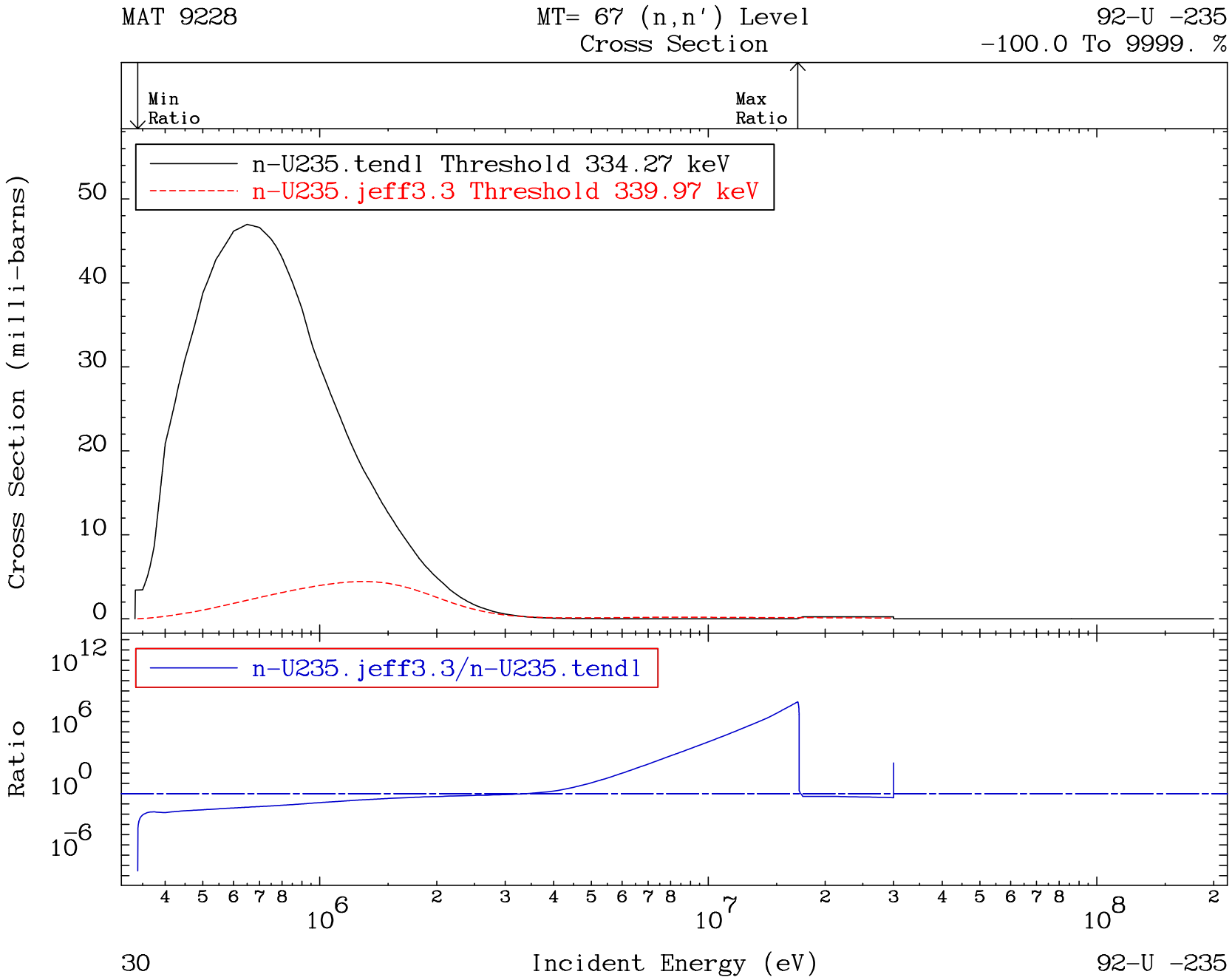

MAT 9228
MT= 62 (n,n') Level
Cross Section
92-U -235
7.544 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 226.39 keV
n-U235.jeff3.3 Threshold 226.39 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
92-U -235

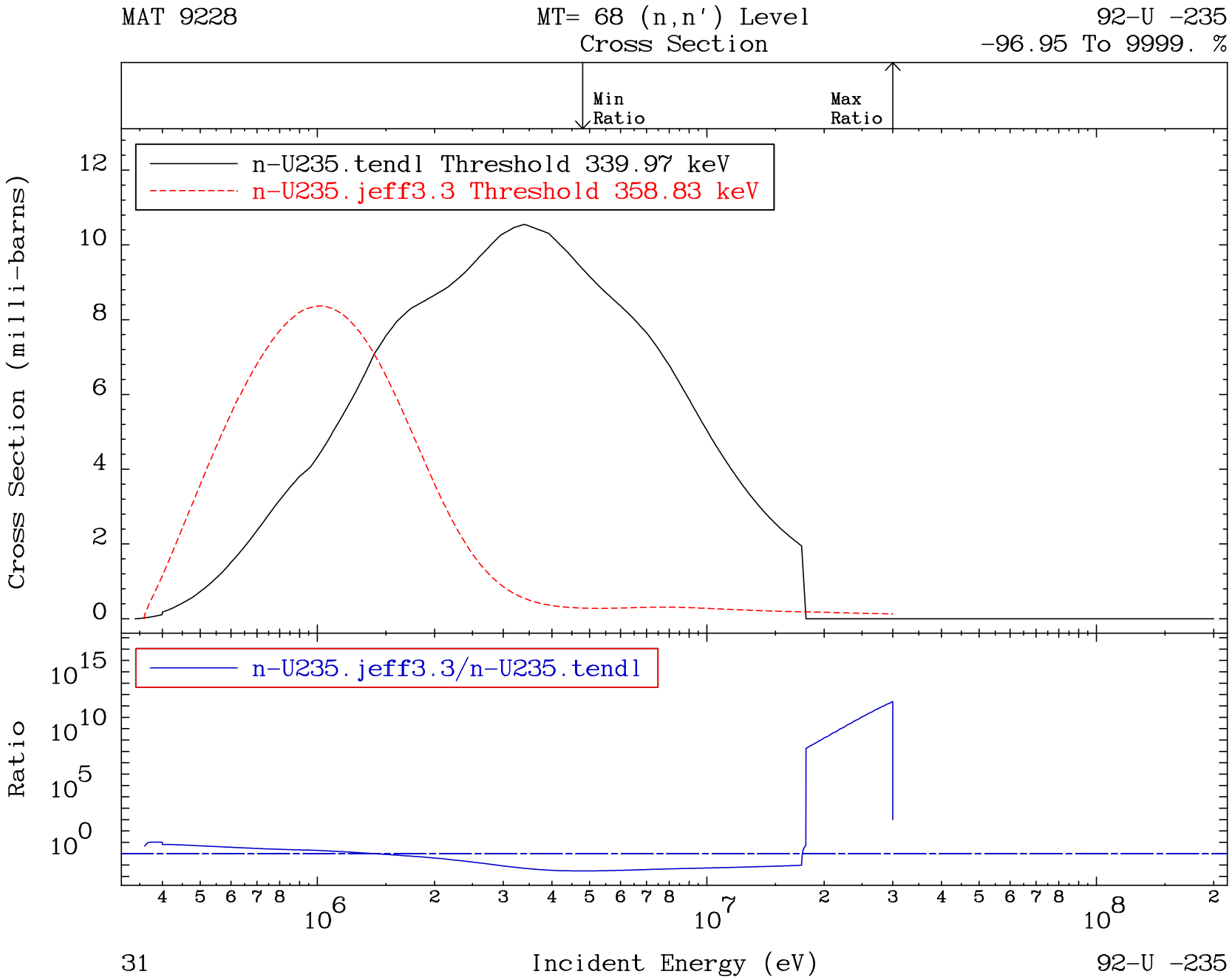

MAT 9228
MT= 63 (n,n') Level
Cross Section
92-U -235
2.416 To 202.7 %
Min Ratio
Max Ratio
n-U235.tendl Threshold 250.20 keV
n-U235.jeff3.3 Threshold 250.20 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-U235.jeff3.3/n-U235.tendl
Ratio
3.0
2.0
1.0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
92-U -235

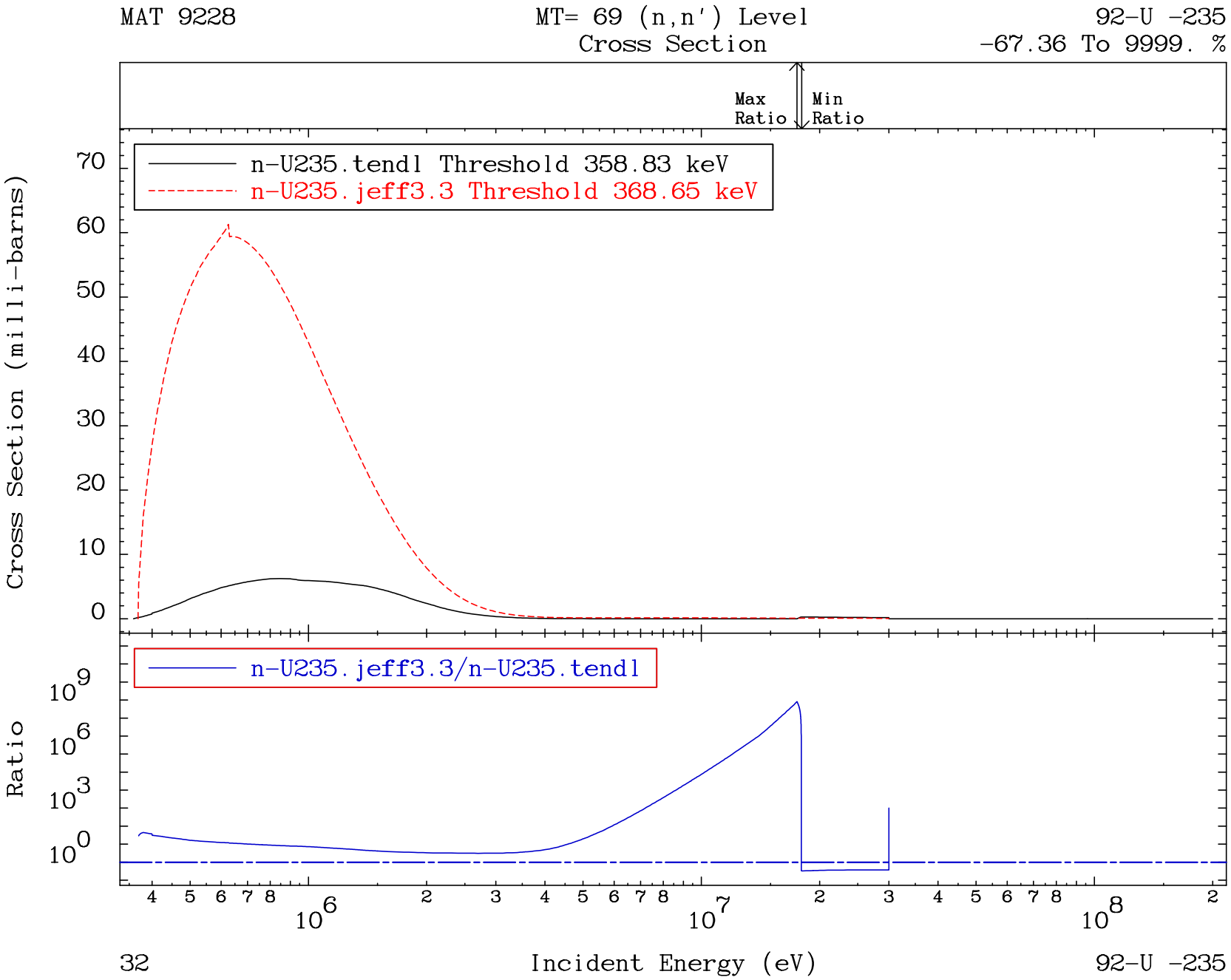

MAT 9228
MT= 64 (n,n') Level
Cross Section
92-U -235
-67.97 To 9999. %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 260.11 keV
n-U235.jeff3.3 Threshold 292.39 keV
Cross Section (milli-barns)
80
60
40
20
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^15
10^10
10^5
10^0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
92-U -235

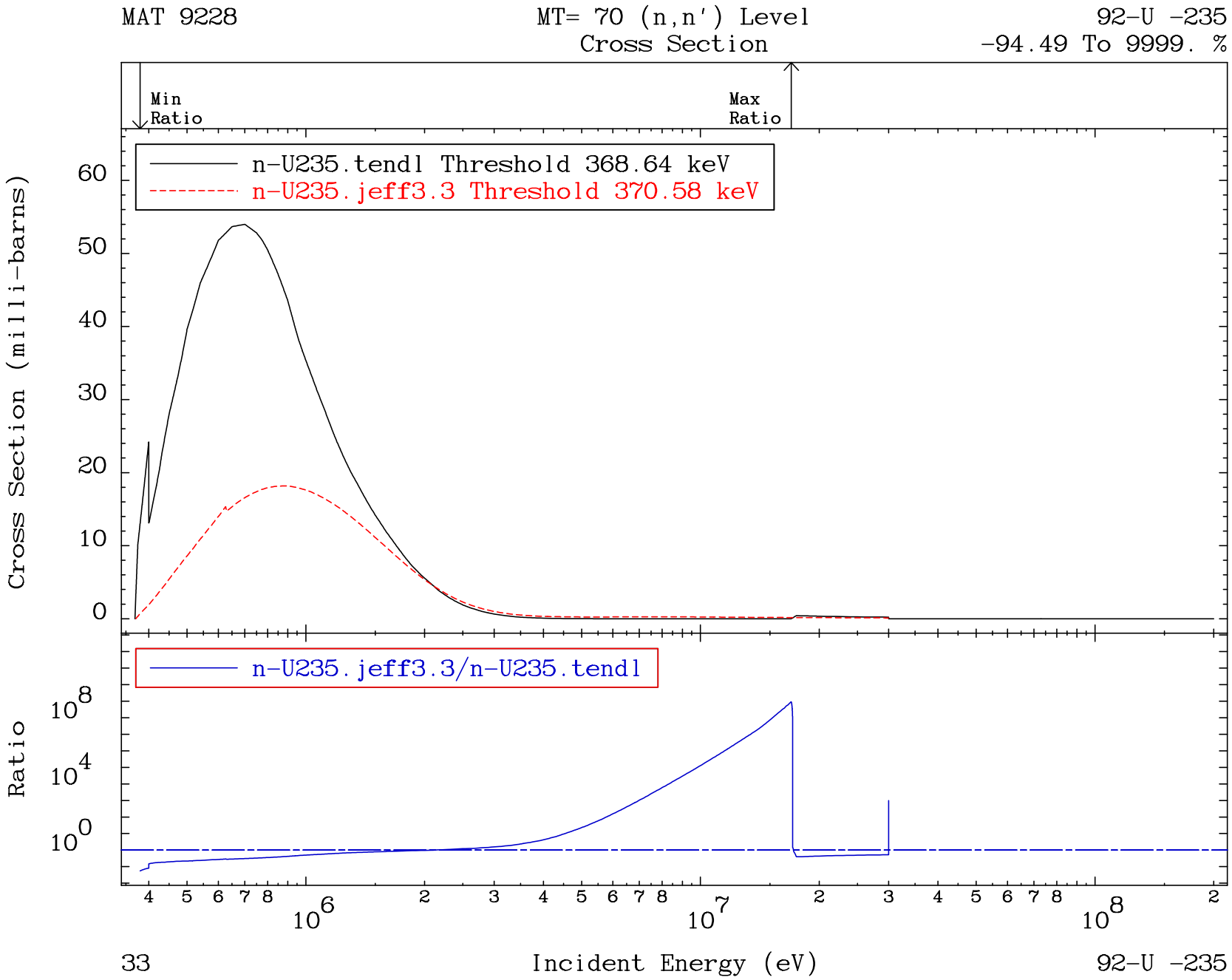

MAT 9228
MT= 65 (n,n') Level
Cross Section
92-U -235
-85.47 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 292.39 keV
n-U235.jeff3.3 Threshold 295.92 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
92-U -235

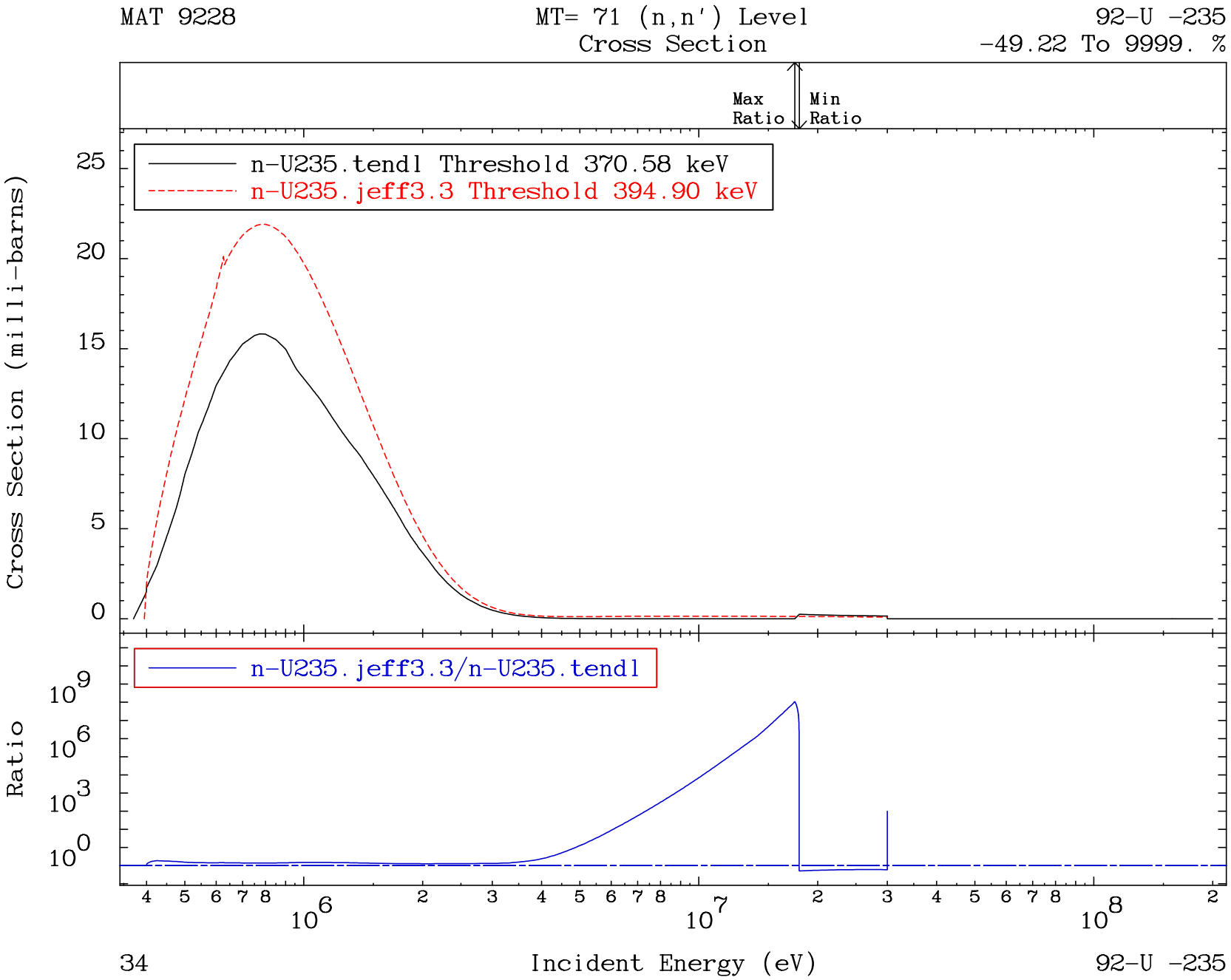

MAT 9228
MT= 66 (n,n') Level
Cross Section
92-U -235
72.72 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 295.93 keV
n-U235.jeff3.3 Threshold 334.27 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
92-U -235

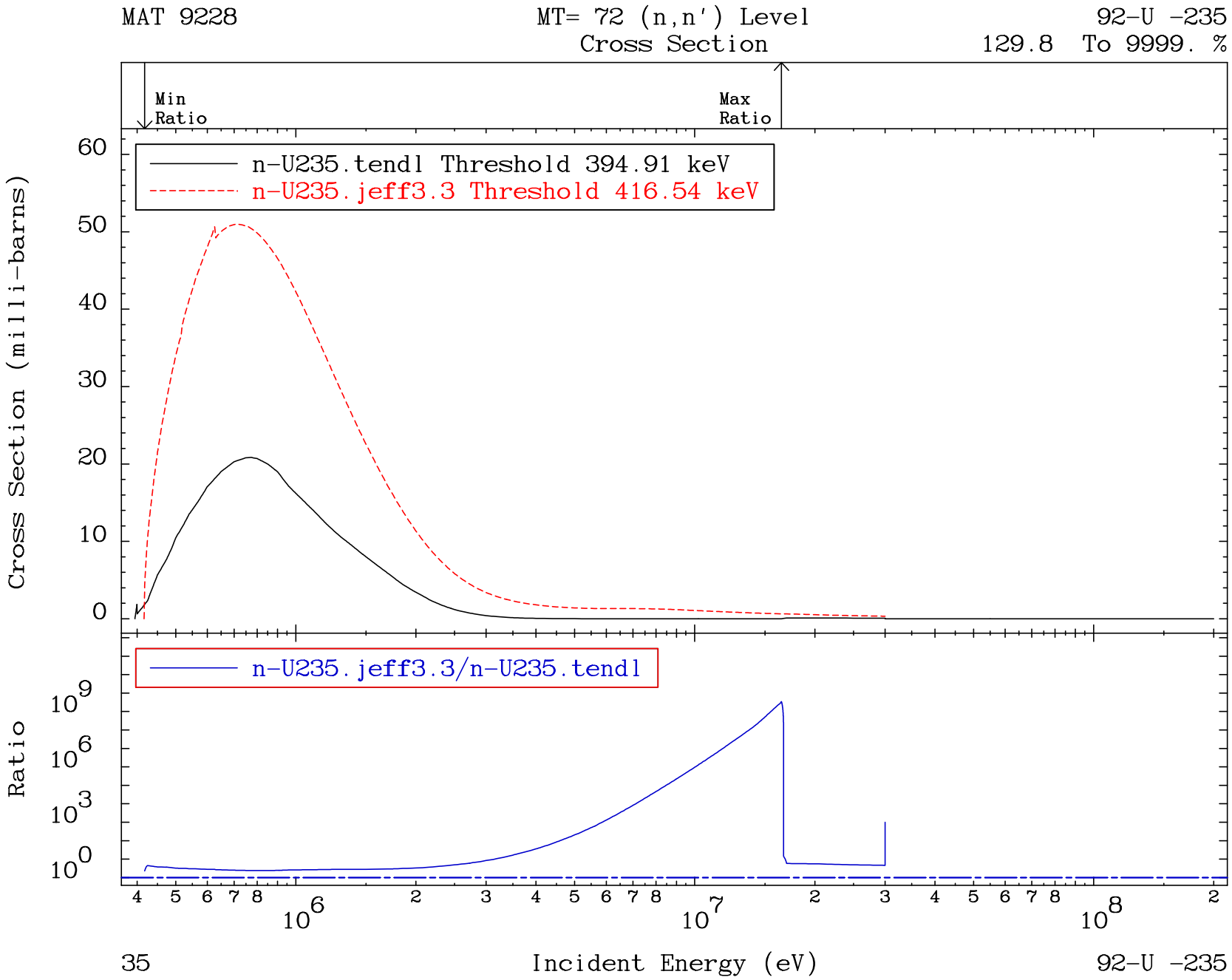

MAT 9228
MT= 67 (n,n') Level
Cross Section
92-U -235
-100.0 To 9999. %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 334.27 keV
n-U235.jeff3.3 Threshold 339.97 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^12
10^6
10^0
10^-6
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
92-U -235

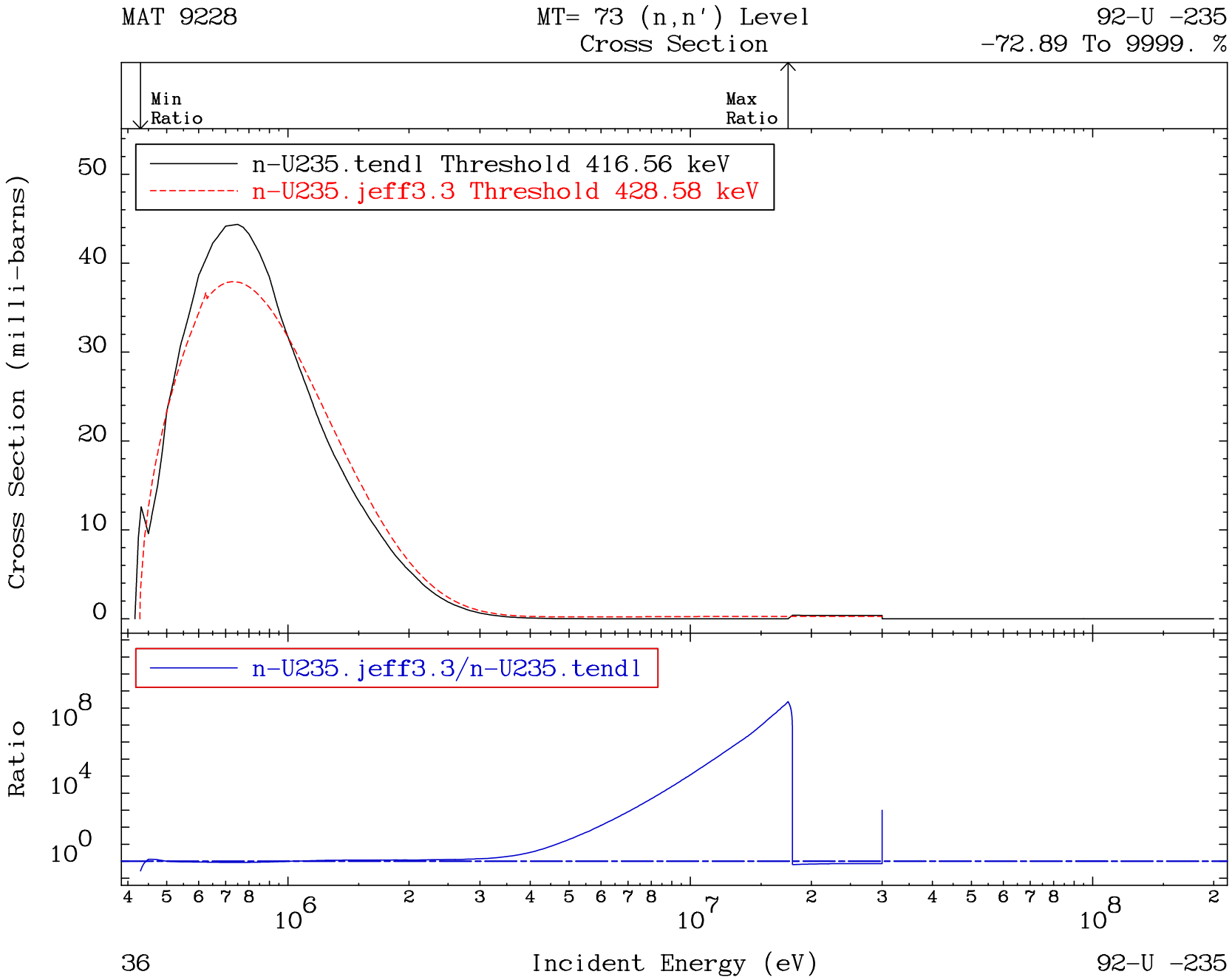

MAT 9228
MT= 68 (n,n') Level
Cross Section
92-U -235
-96.95 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 339.97 keV
n-U235.jeff3.3 Threshold 358.83 keV
Cross Section (milli-barns)
12
10
8
6
4
2
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^15
10^10
10^5
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
92-U -235

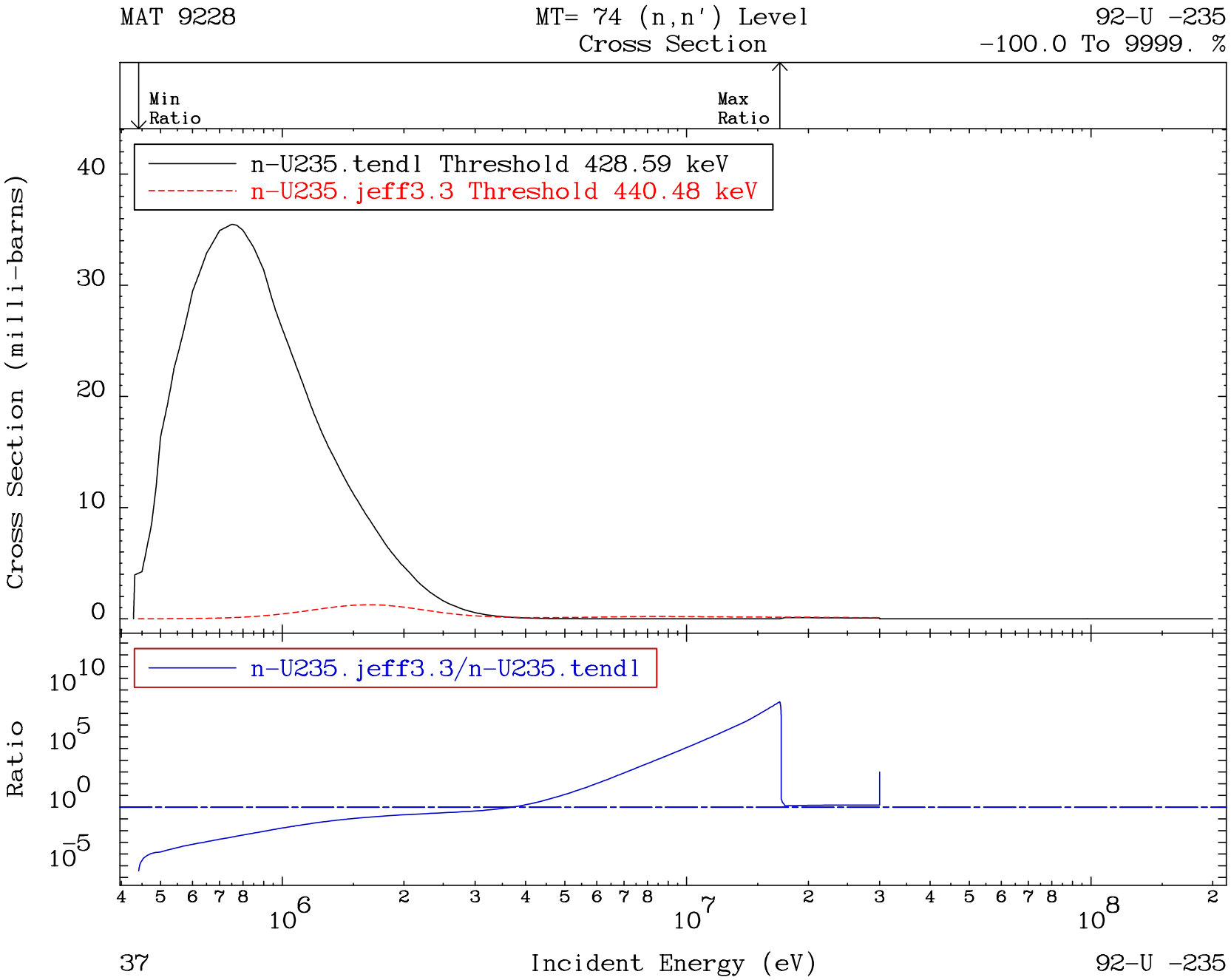

MAT 9228
MT= 69 (n,n') Level
Cross Section
92-U -235
-67.36 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 358.83 keV
n-U235.jeff3.3 Threshold 368.65 keV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
92-U -235

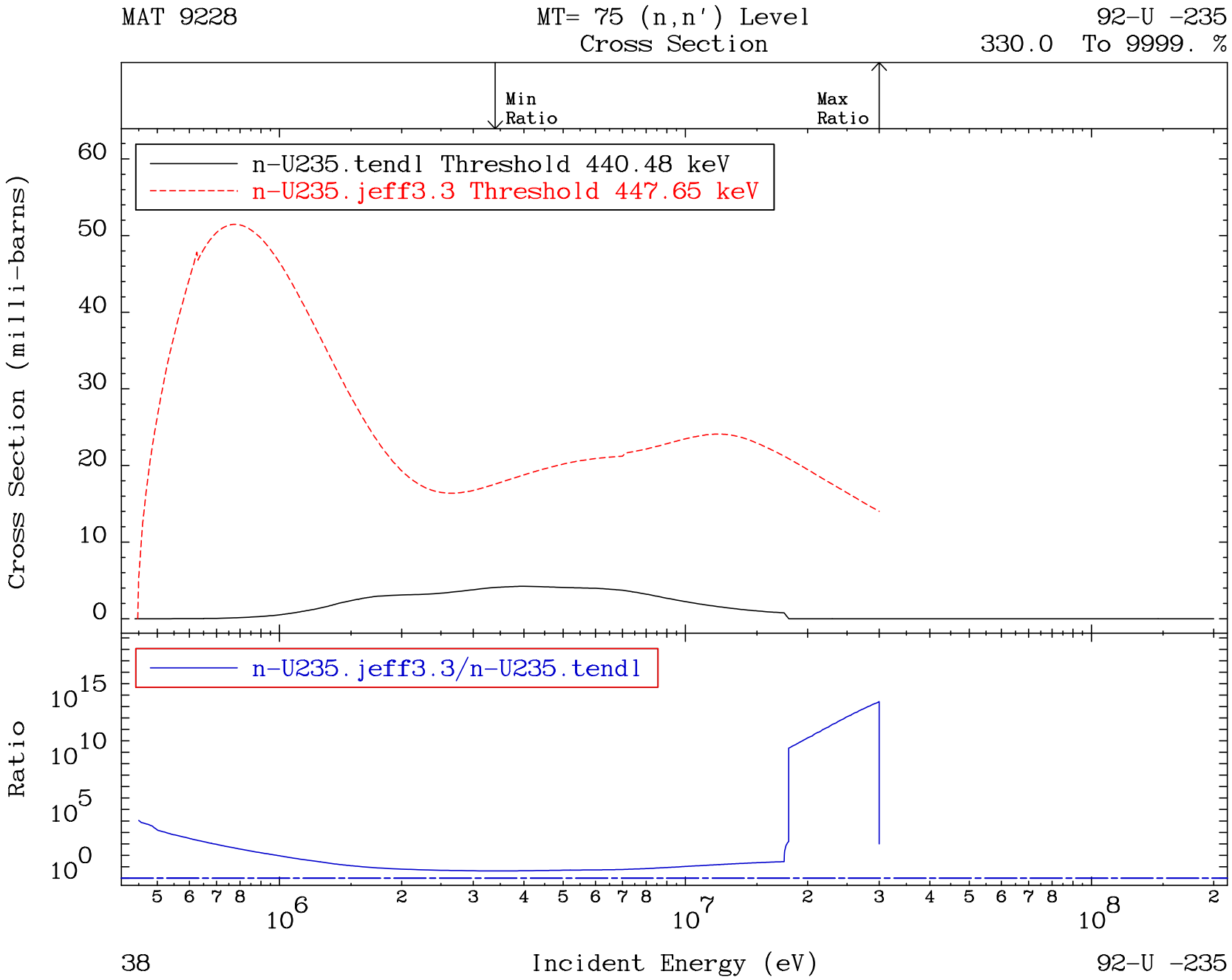

MAT 9228
MT= 70 (n,n') Level
Cross Section
92-U -235
-94.49 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 368.64 keV
n-U235.jeff3.3 Threshold 370.58 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
92-U -235

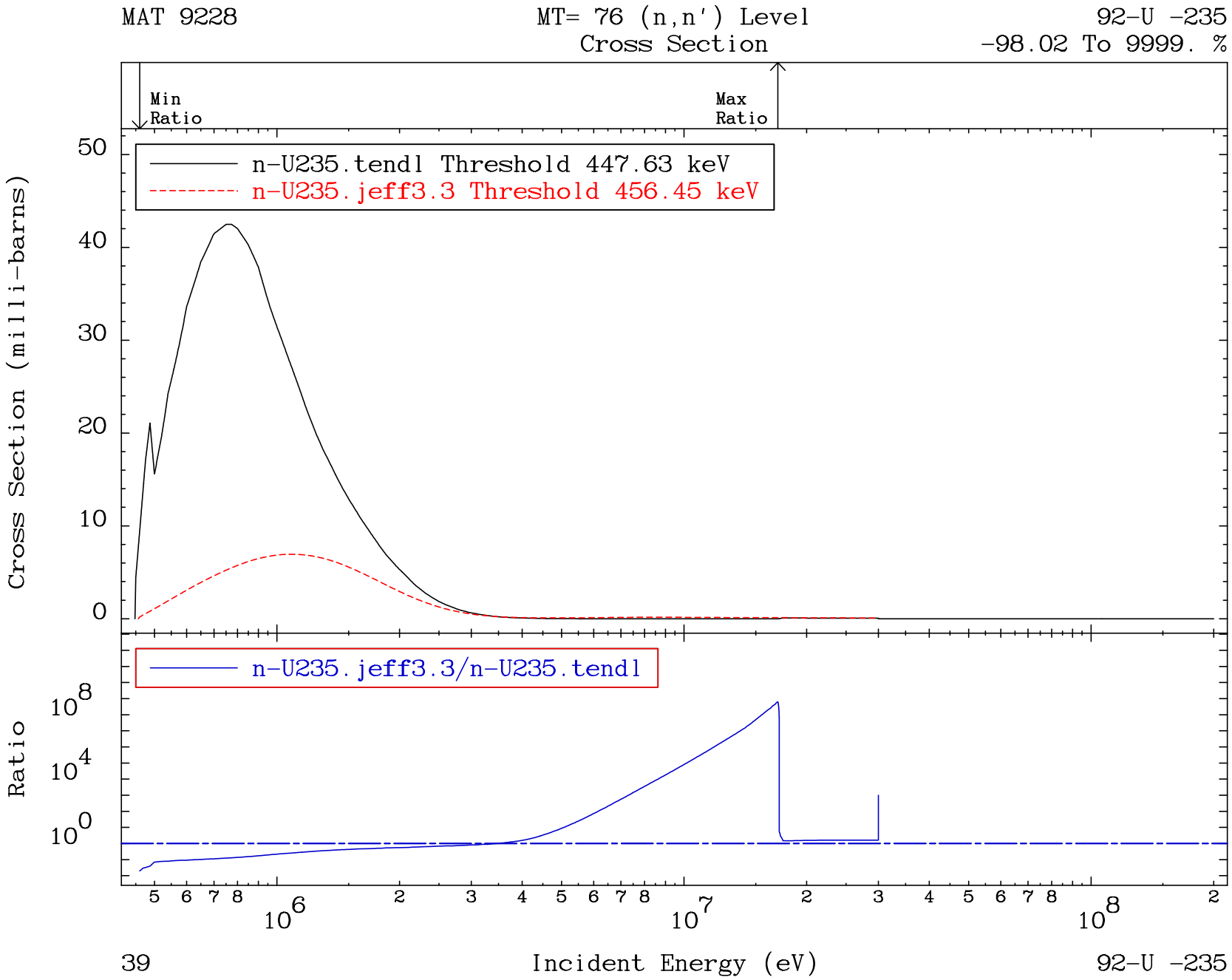

MAT 9228
MT= 71 (n,n') Level
Cross Section
92-U -235
-49.22 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 370.58 keV
n-U235.jeff3.3 Threshold 394.90 keV
Cross Section (milli-barns)
25
20
15
10
5
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
92-U -235

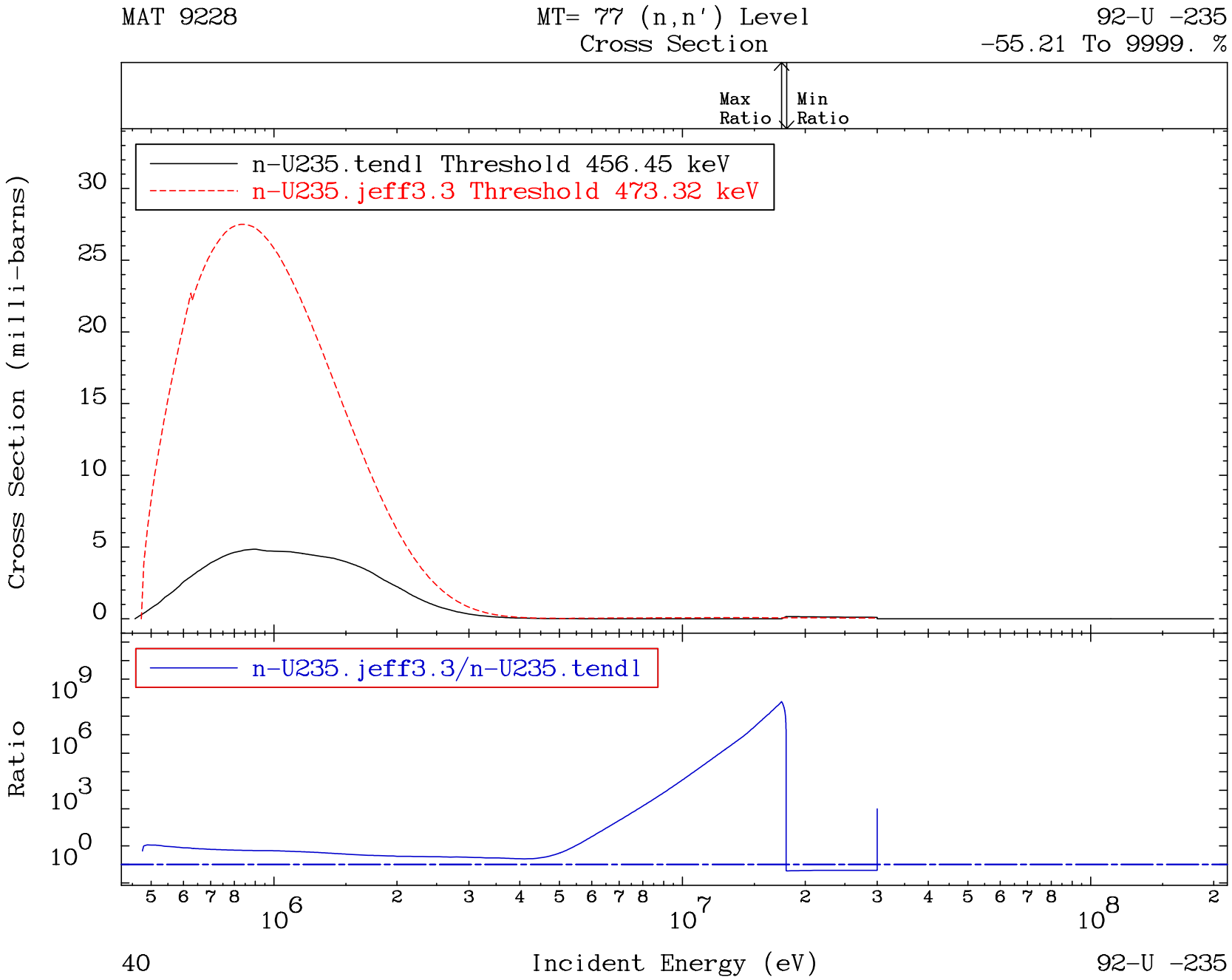

MAT 9228
MT= 72 (n,n') Level
Cross Section
92-U -235
129.8 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 394.91 keV
n-U235.jeff3.3 Threshold 416.54 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
92-U -235

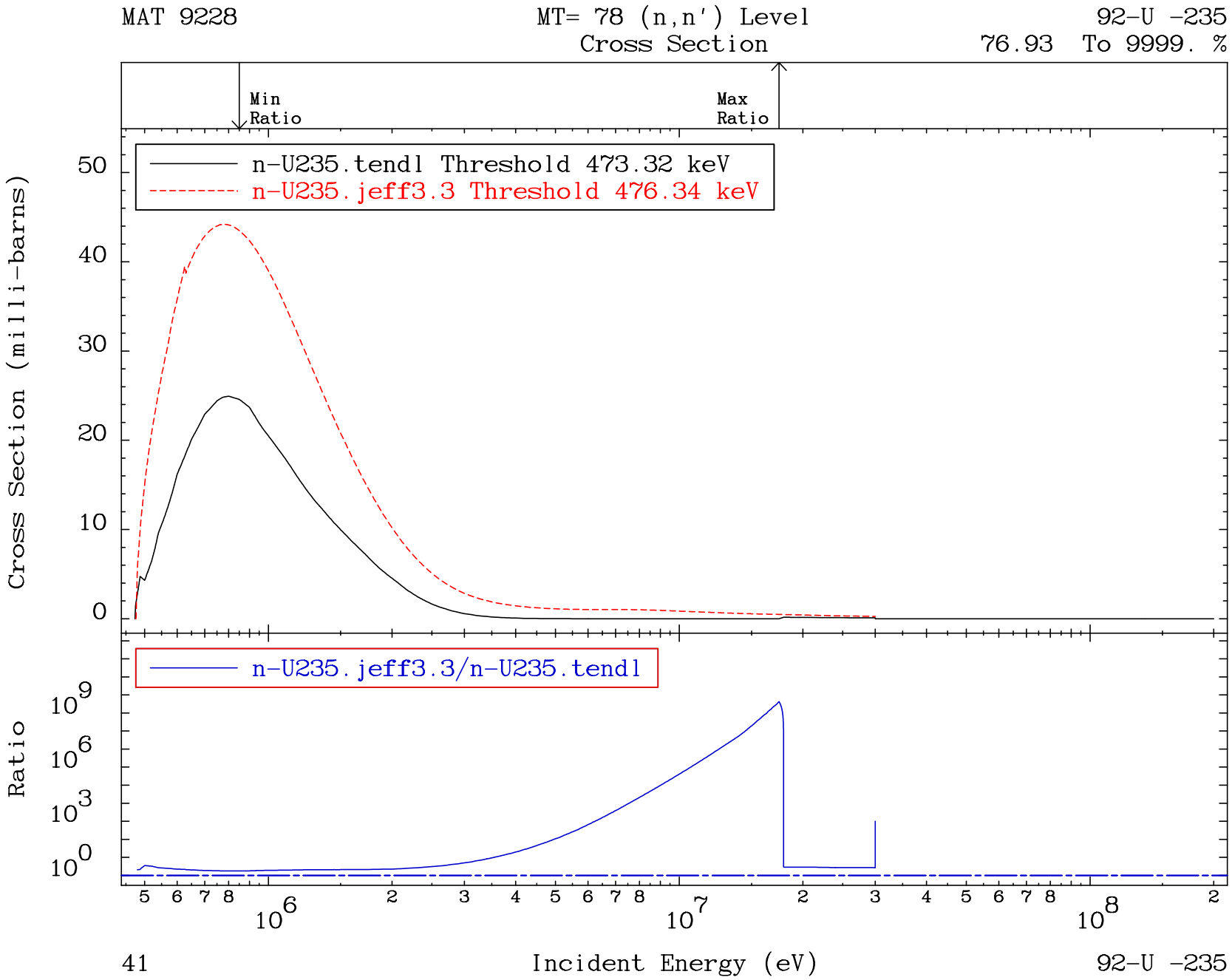

MAT 9228
MT= 73 (n,n') Level
Cross Section
92-U -235
-72.89 To 9999. %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 416.56 keV
n-U235.jeff3.3 Threshold 428.58 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
92-U -235

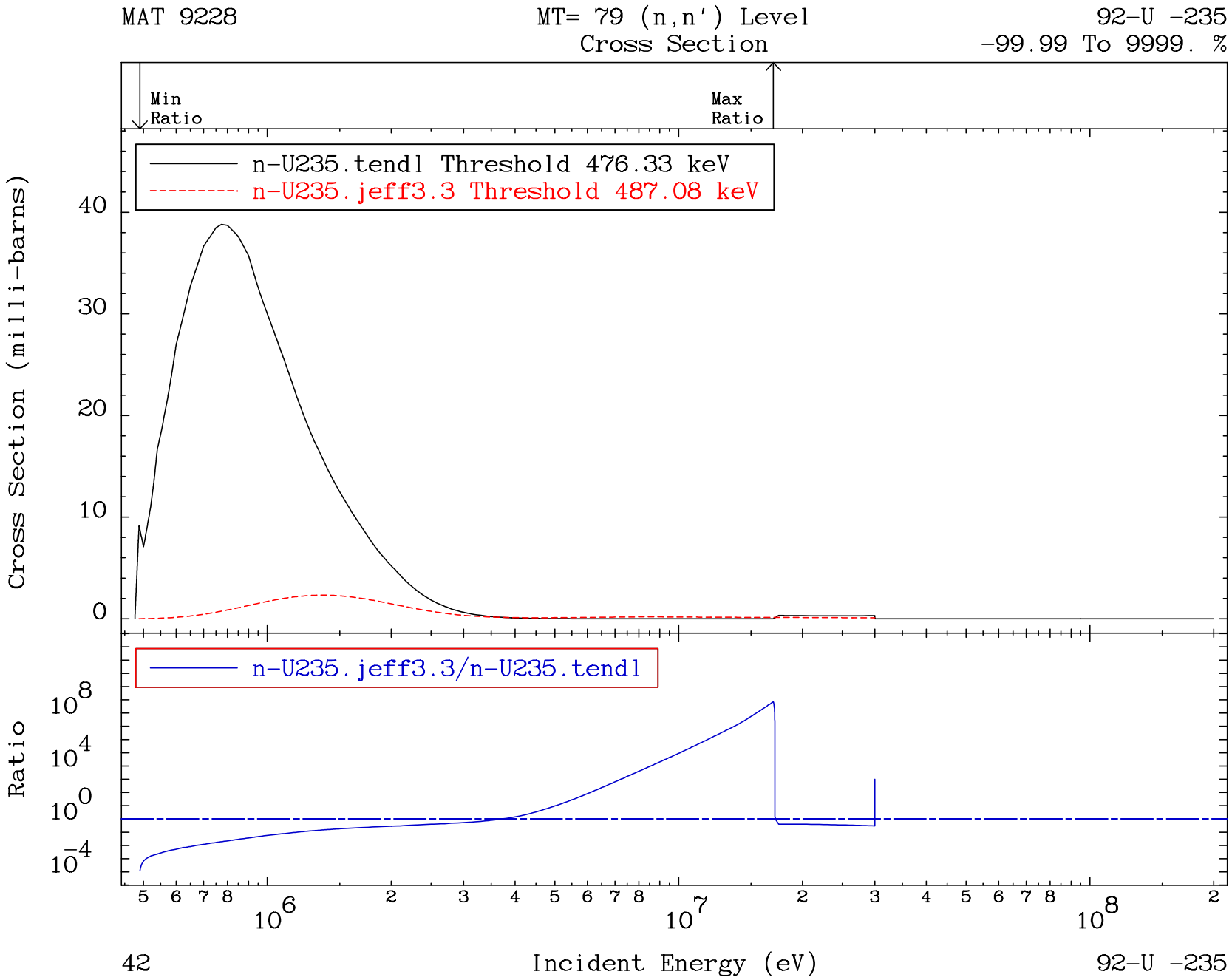

MAT 9228
MT= 74 (n,n') Level
Cross Section
92-U -235
-100.0 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 428.59 keV
n-U235.jeff3.3 Threshold 440.48 keV
Cross Section (milli-barns)
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^10
10^5
10^0
10^-5
4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
92-U -235

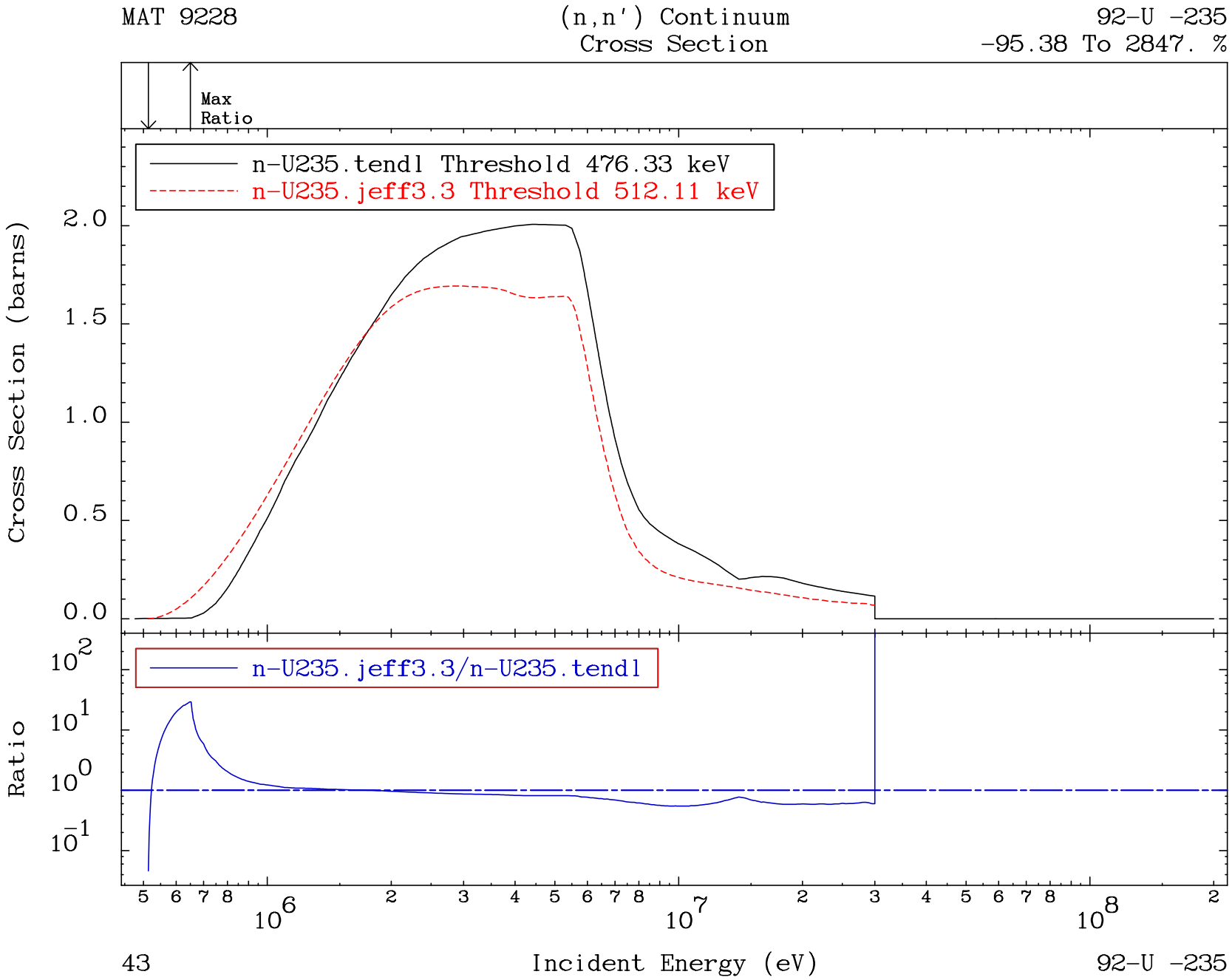

MAT 9228
MT= 75 (n,n') Level
Cross Section
92-U -235
330.0 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 440.48 keV
n-U235.jeff3.3 Threshold 447.65 keV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^15
10^10
10^5
10^0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
92-U -235

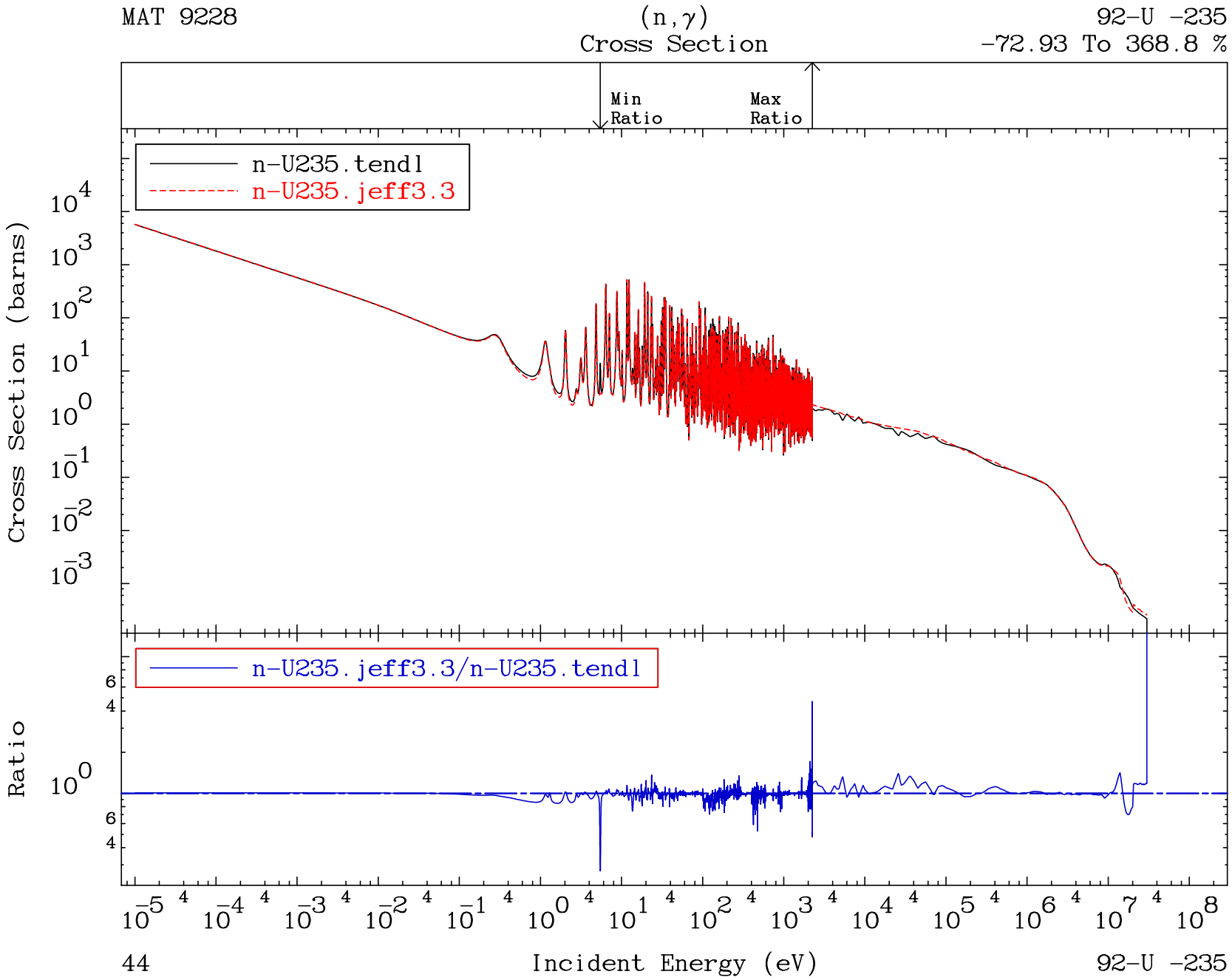

MAT 9228
MT= 76 (n,n') Level
Cross Section
92-U -235
-98.02 To 9999. %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 447.63 keV
n-U235.jeff3.3 Threshold 456.45 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
92-U -235

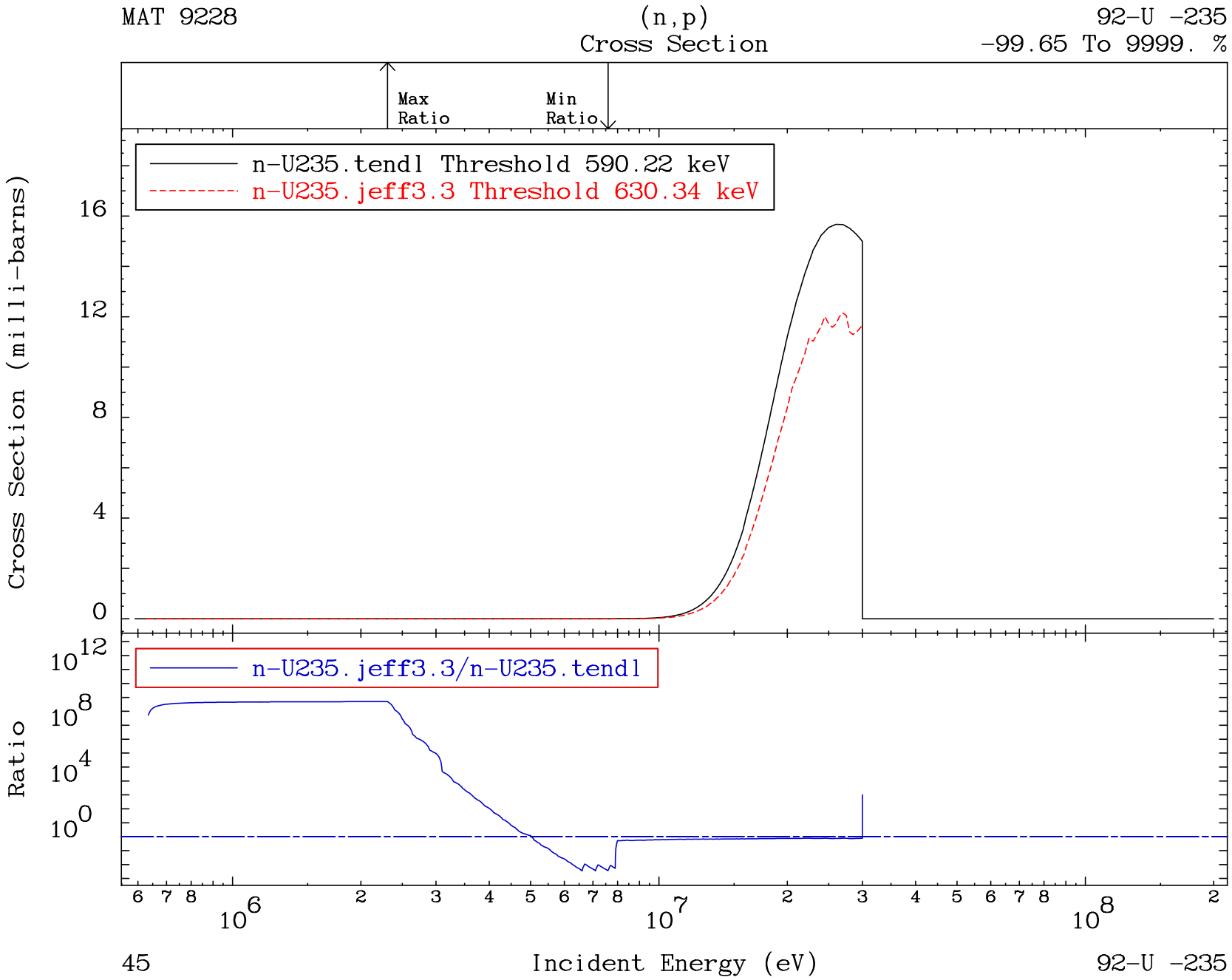

MAT 9228
MT= 77 (n,n') Level
Cross Section
92-U -235
-55.21 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 456.45 keV
n-U235.jeff3.3 Threshold 473.32 keV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
92-U -235

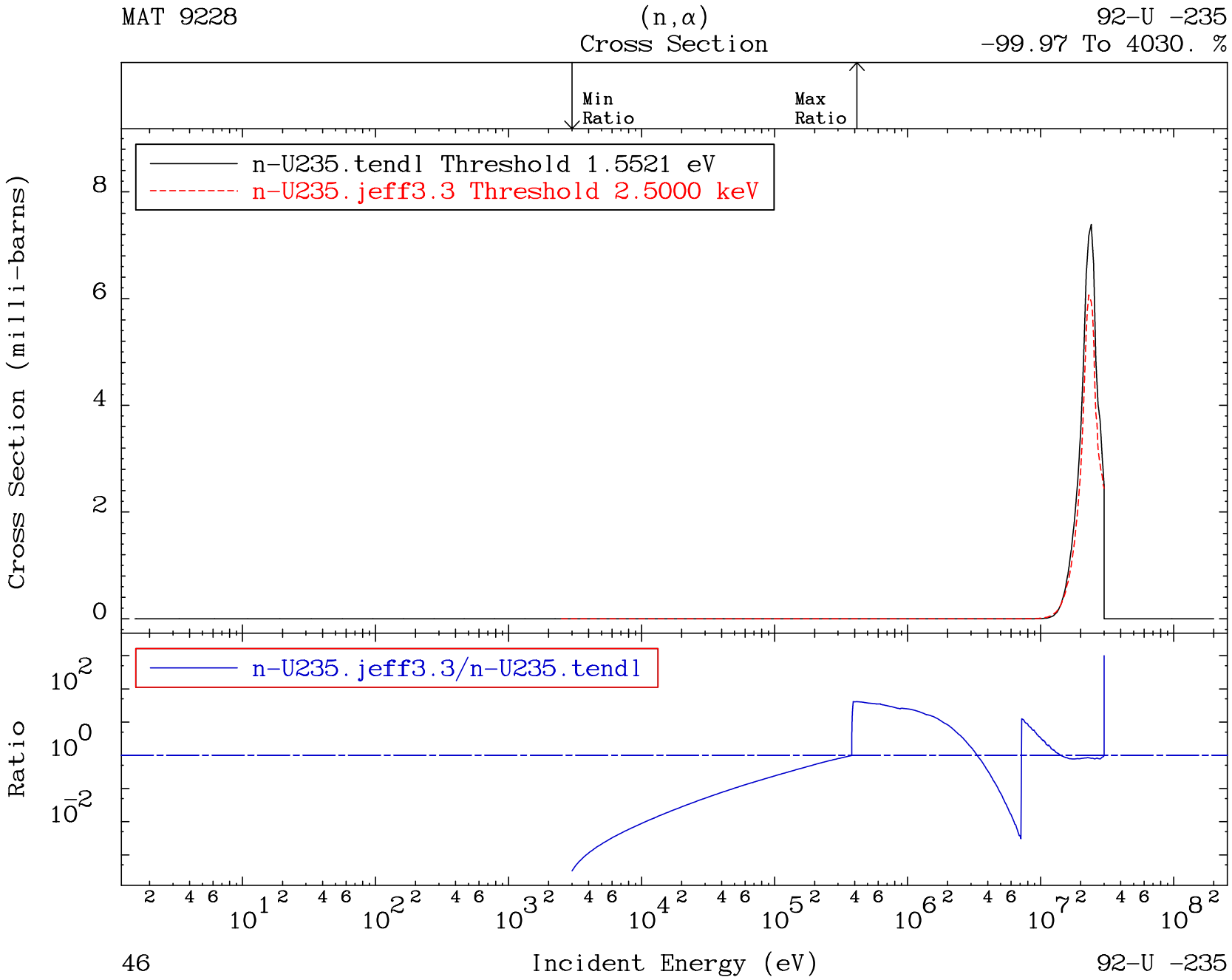

MAT 9228
MT= 78 (n,n') Level
Cross Section
92-U -235
76.93 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 473.32 keV
n-U235.jeff3.3 Threshold 476.34 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^9
10^6
10^3
10^0
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
92-U -235

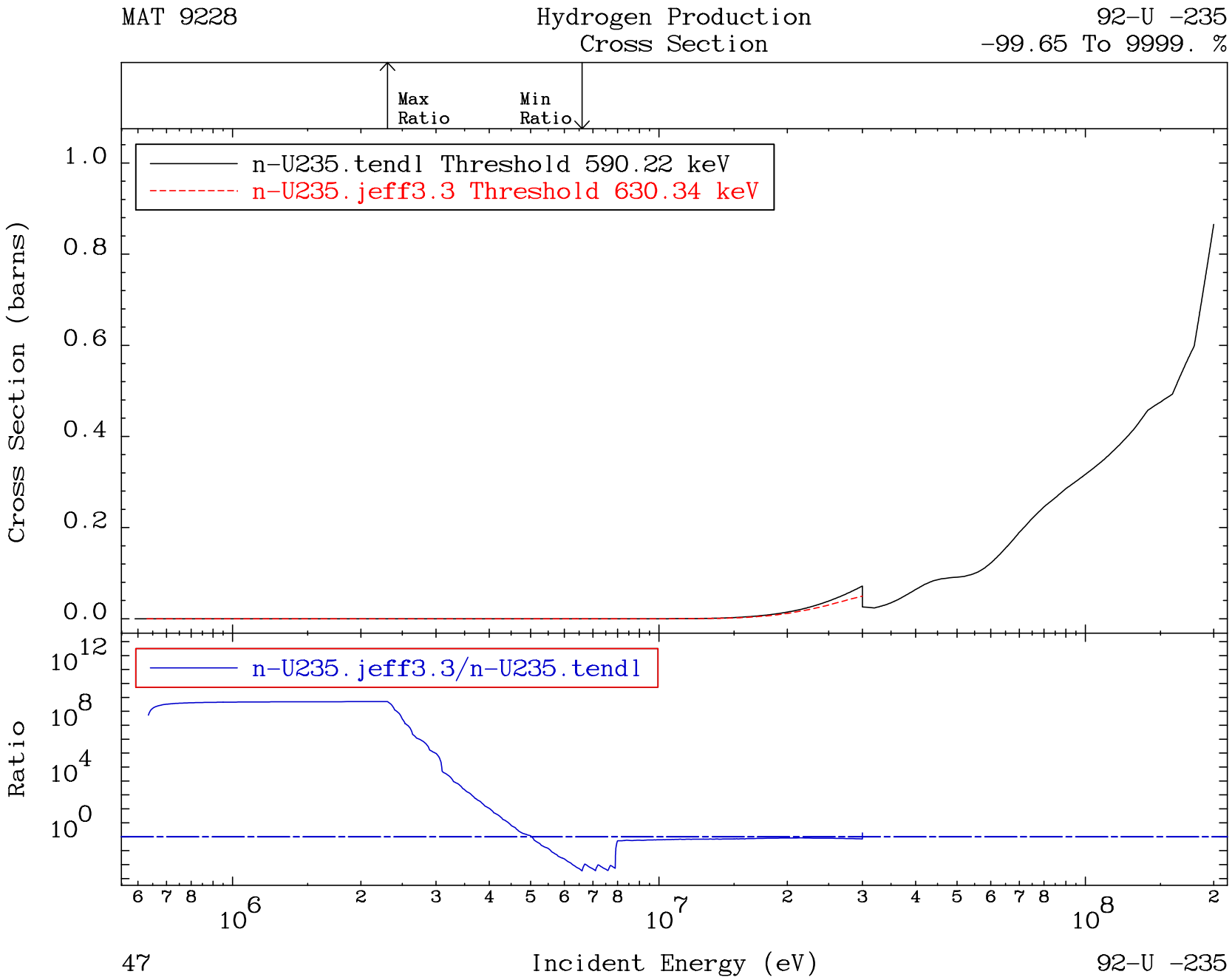

MAT 9228
MT= 79 (n,n') Level
Cross Section
92-U -235
-99.99 To 9999. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 476.33 keV
n-U235.jeff3.3 Threshold 487.08 keV
Cross Section (milli-barns)
40
30
20
10
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^8
10^4
10^0
10^-4
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
92-U -235

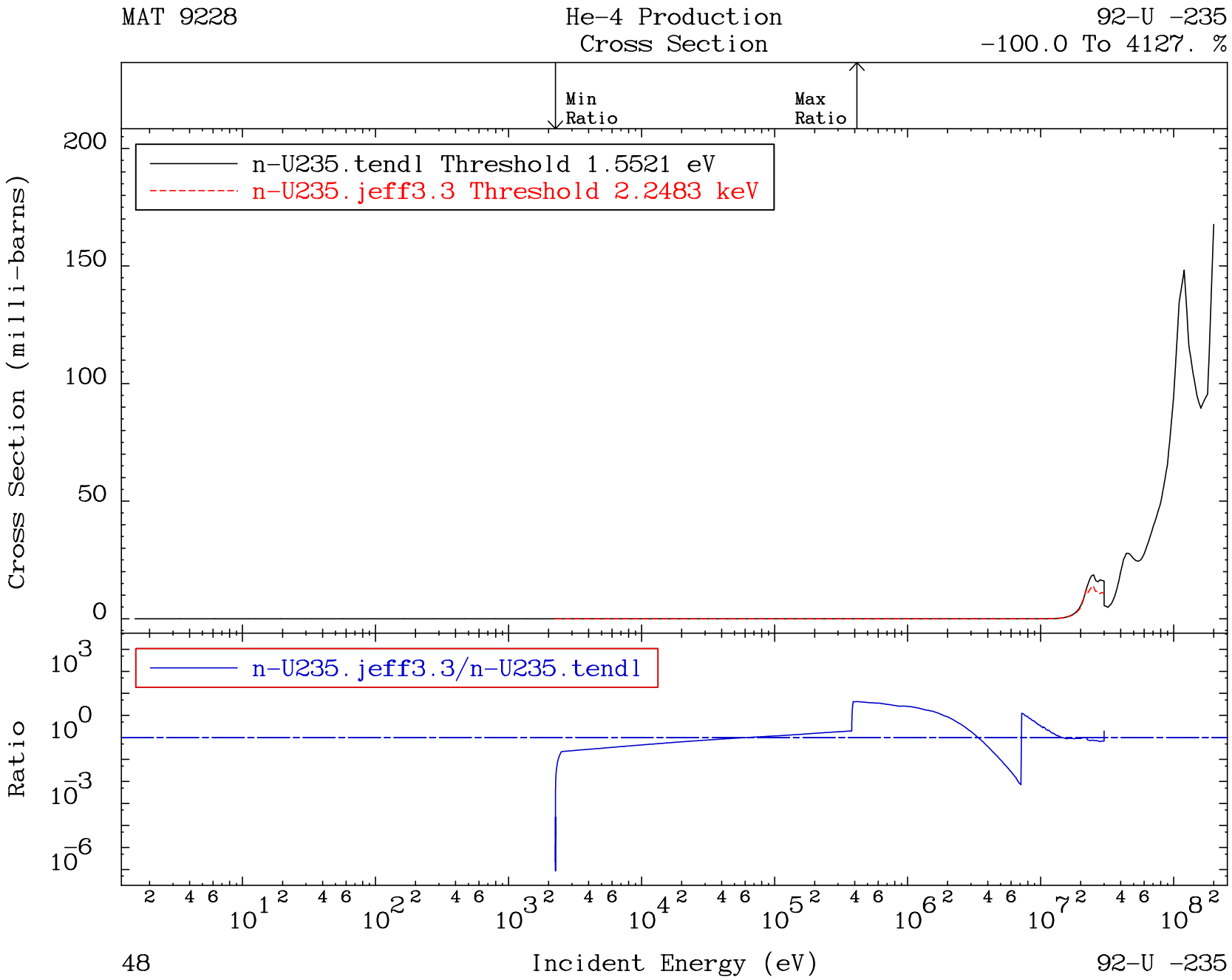

MAT 9228
(n,n') Continuum
Cross Section
92-U -235
-95.38 To 2847. %
Max
Ratio
n-U235.tendl Threshold 476.33 keV
n-U235.jeff3.3 Threshold 512.11 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^2
10^1
10^0
10^-1
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
92-U -235

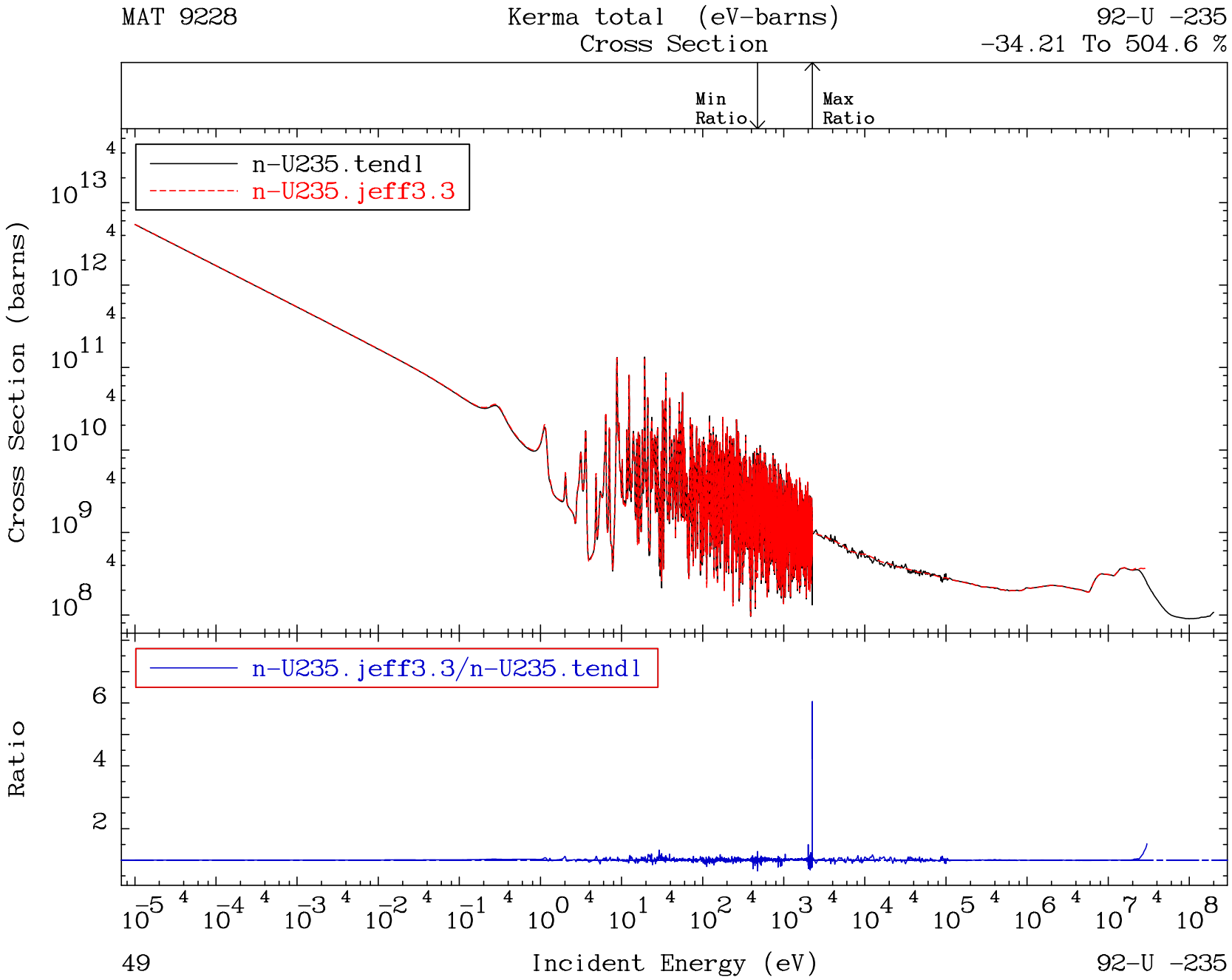

MAT 9228
(n,γ)
Cross Section
92-U -235
-72.93 To 368.8 %
Min Ratio
Max Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
44
92-U -235

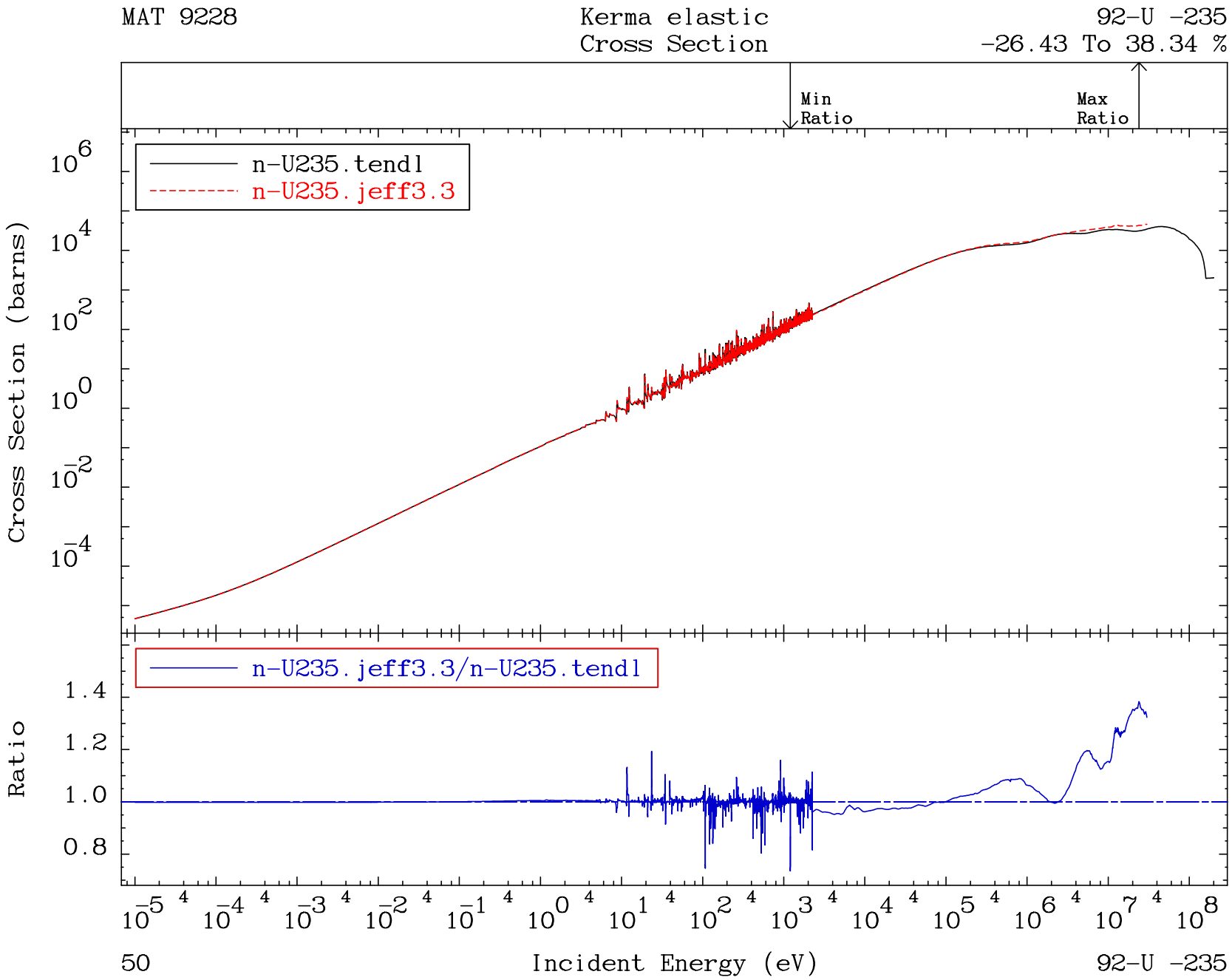

MAT 9228
(n,p)
Cross Section
92-U -235
-99.65 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 590.22 keV
n-U235.jeff3.3 Threshold 630.34 keV
Cross Section (milli-barns)
16
12
8
4
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^12
10^8
10^4
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
92-U -235

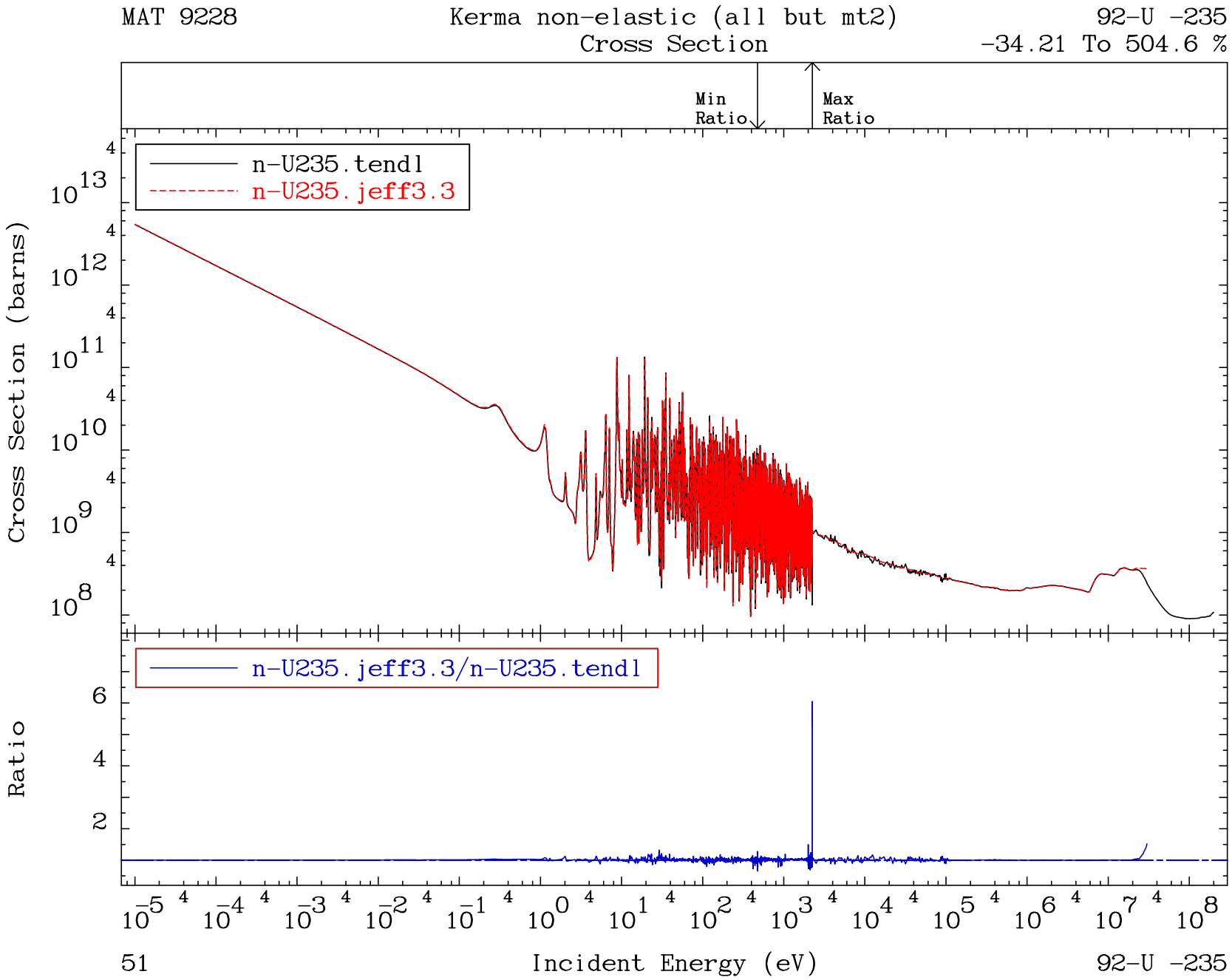

MAT 9228
(n,α)
Cross Section
92-U -235
-99.97 To 4030. %
Min Ratio
Max Ratio
n-U235.tendl Threshold 1.5521 eV
n-U235.jeff3.3 Threshold 2.5000 keV
Cross Section (milli-barns)
0
2
4
6
8
n-U235.jeff3.3/n-U235.tendl
Ratio
10^2
10^0
10^-2
10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
92-U -235

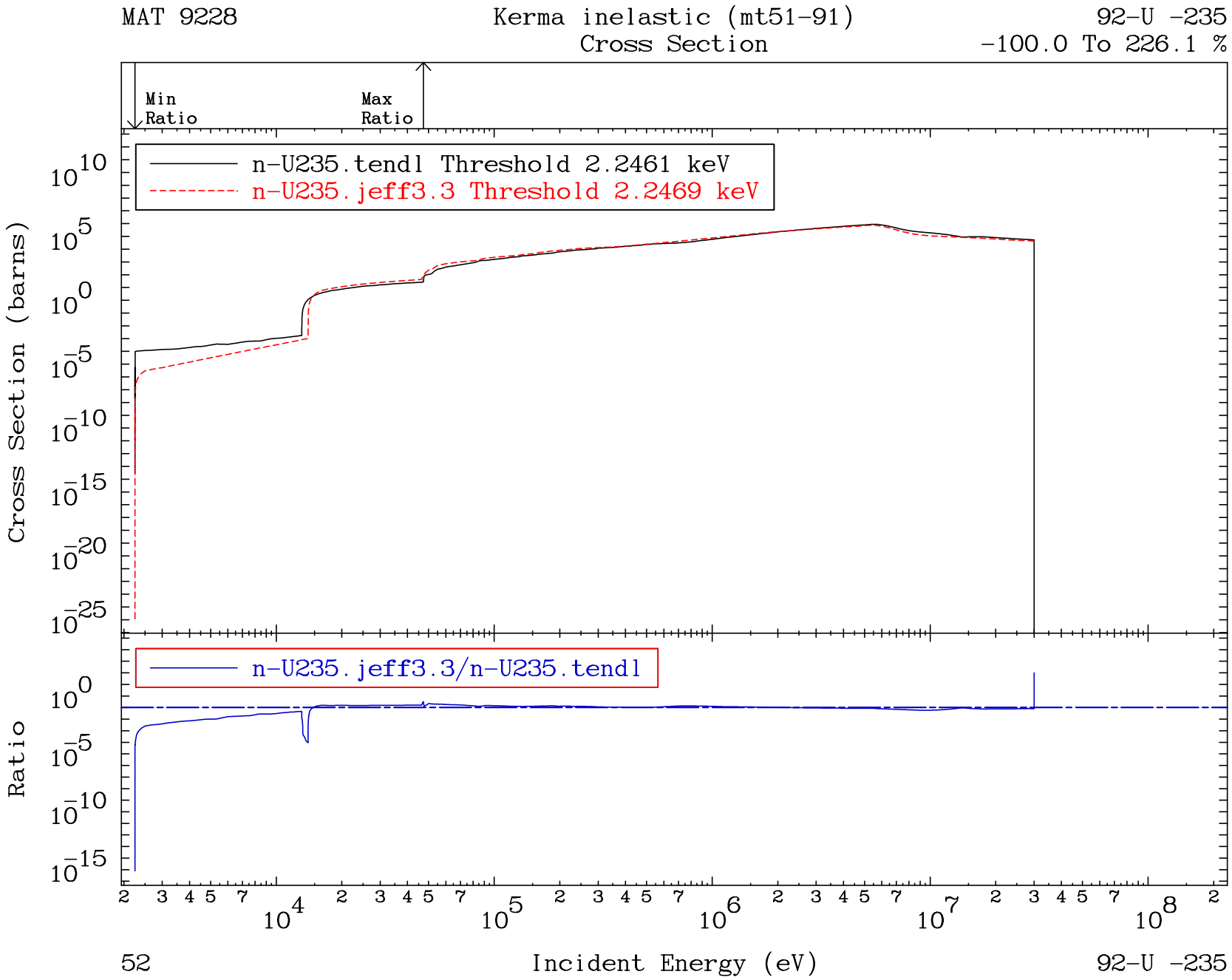

MAT 9228
Hydrogen Production
Cross Section
92-U -235
-99.65 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 590.22 keV
n-U235.jeff3.3 Threshold 630.34 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^12
10^8
10^4
10^0
6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
92-U -235

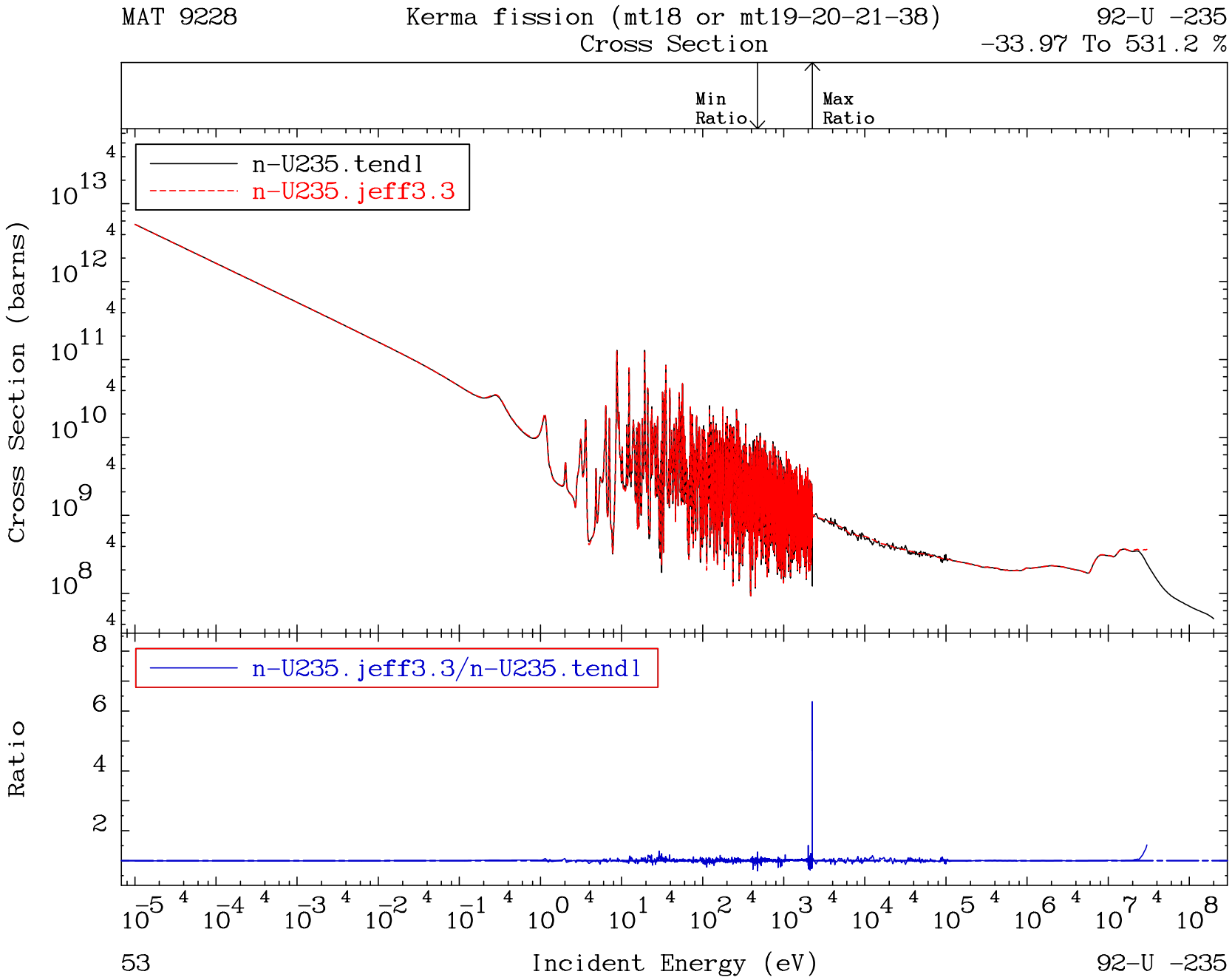

MAT 9228
He-4 Production
Cross Section
92-U -235
-100.0 To 4127. %
Min
Ratio
Max
Ratio
n-U235.tendl Threshold 1.5521 eV
n-U235.jeff3.3 Threshold 2.2483 keV
Cross Section (milli-barns)
200
150
100
50
0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^3
10^0
10^-3
10^-6
10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
92-U -235

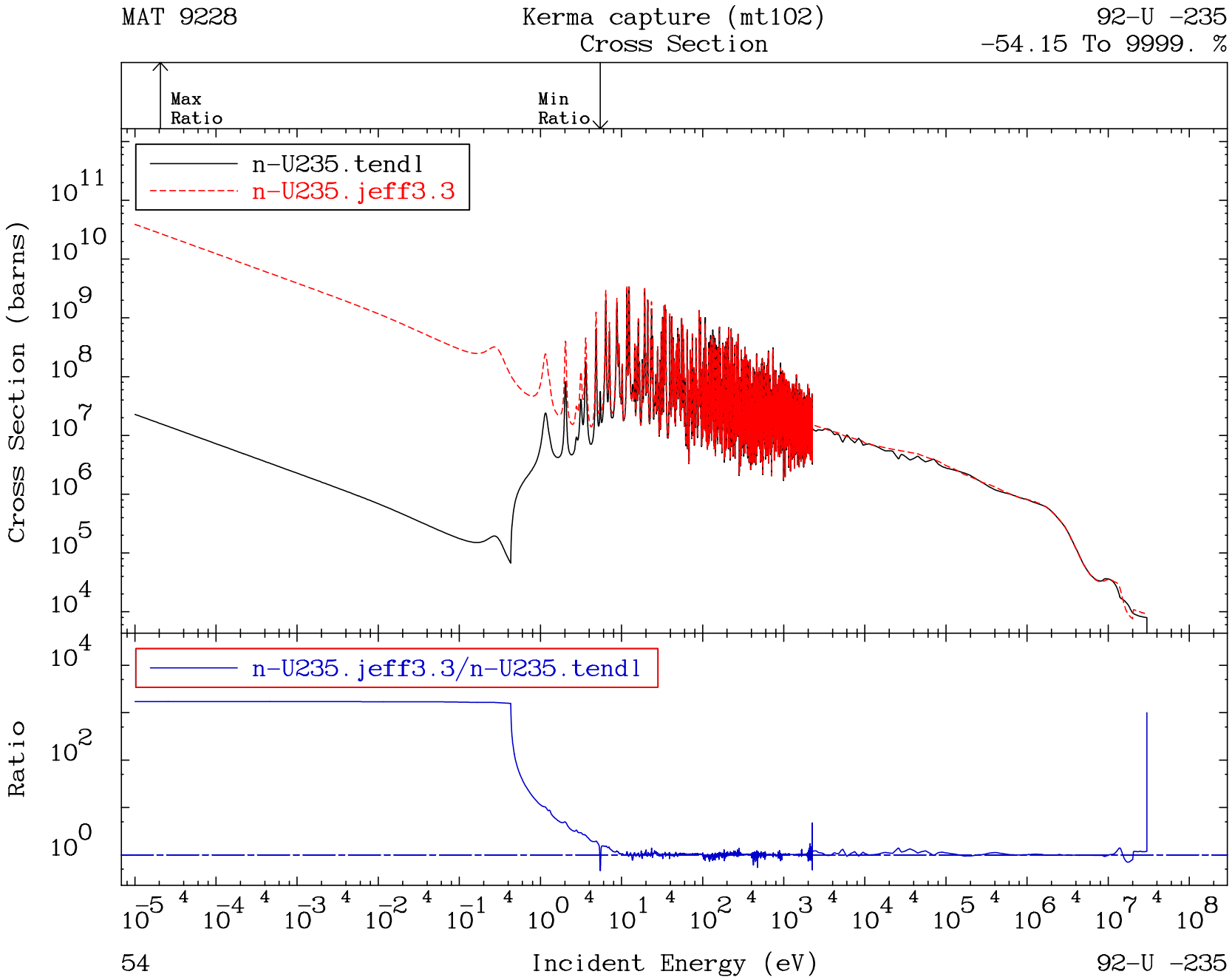

MAT 9228
Kerma total (eV-barns)
Cross Section
92-U -235
-34.21 To 504.6 %
Min Ratio
Max Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
49
92-U -235

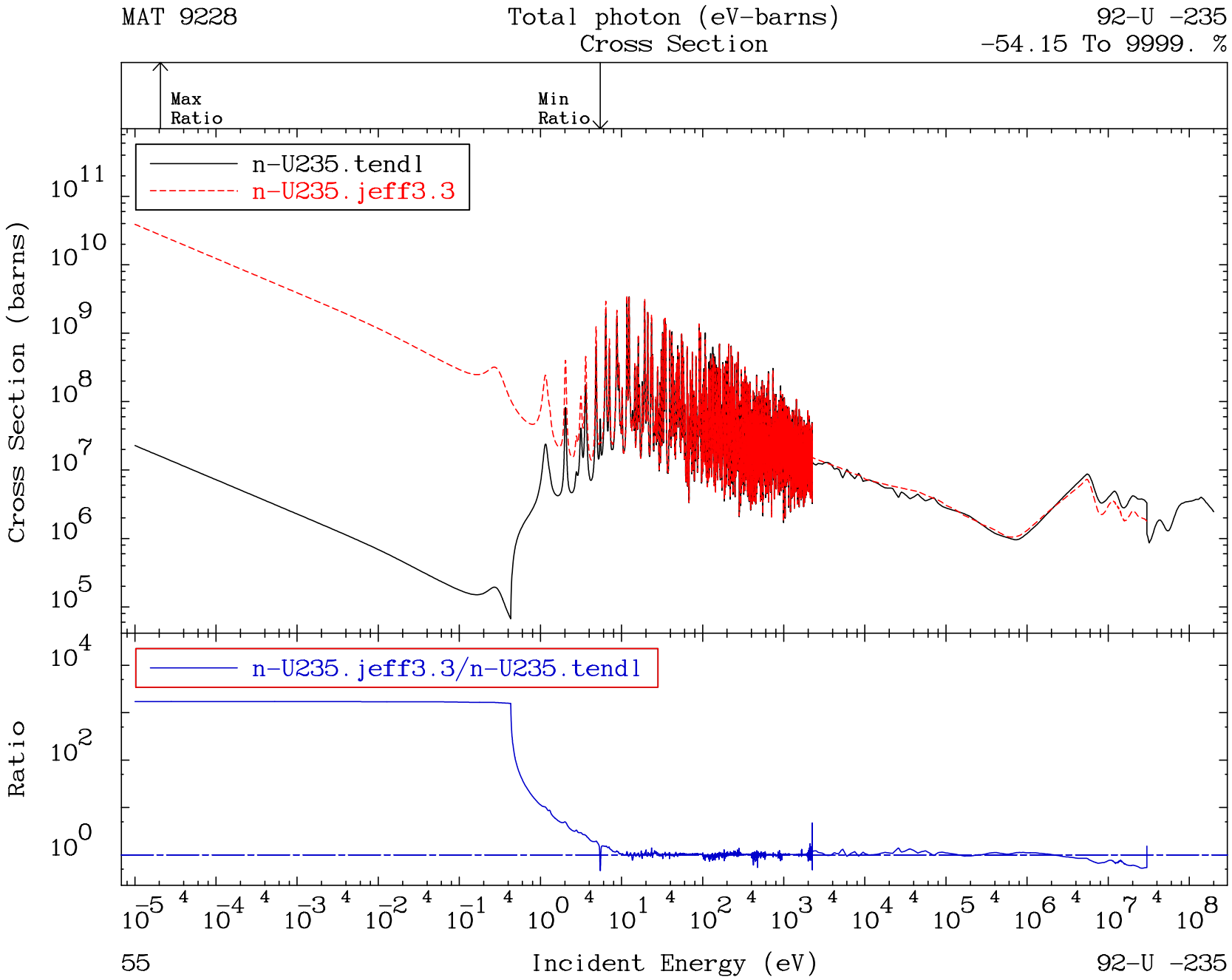

MAT 9228
Kerma elastic
Cross Section
92-U -235
-26.43 To 38.34 %
Min
Ratio
Max
Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
50
92-U -235

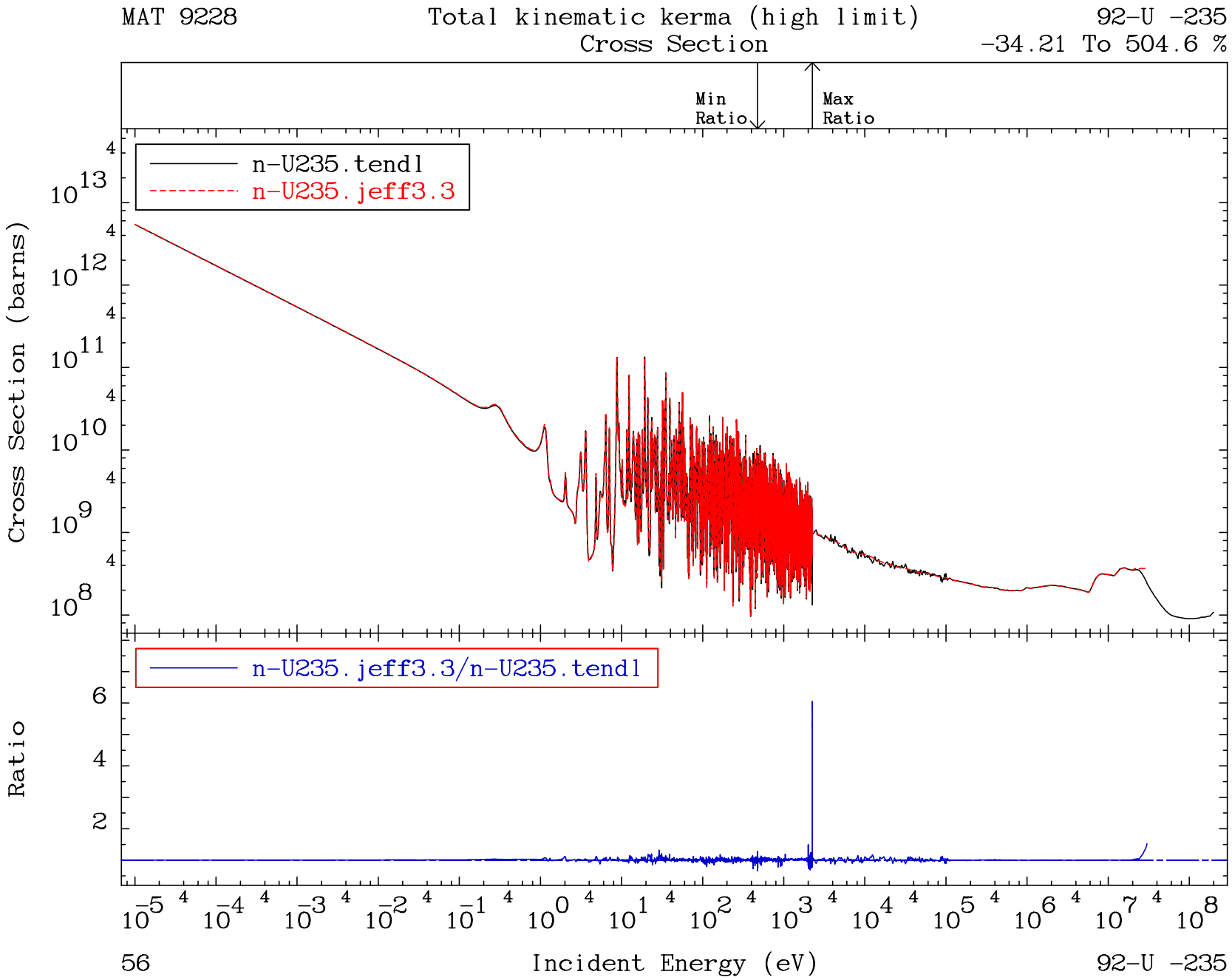

MAT 9228
Kerma non-elastic (all but mt2)
Cross Section
92-U -235
-34.21 To 504.6 %
Min Ratio
Max Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
51
92-U -235

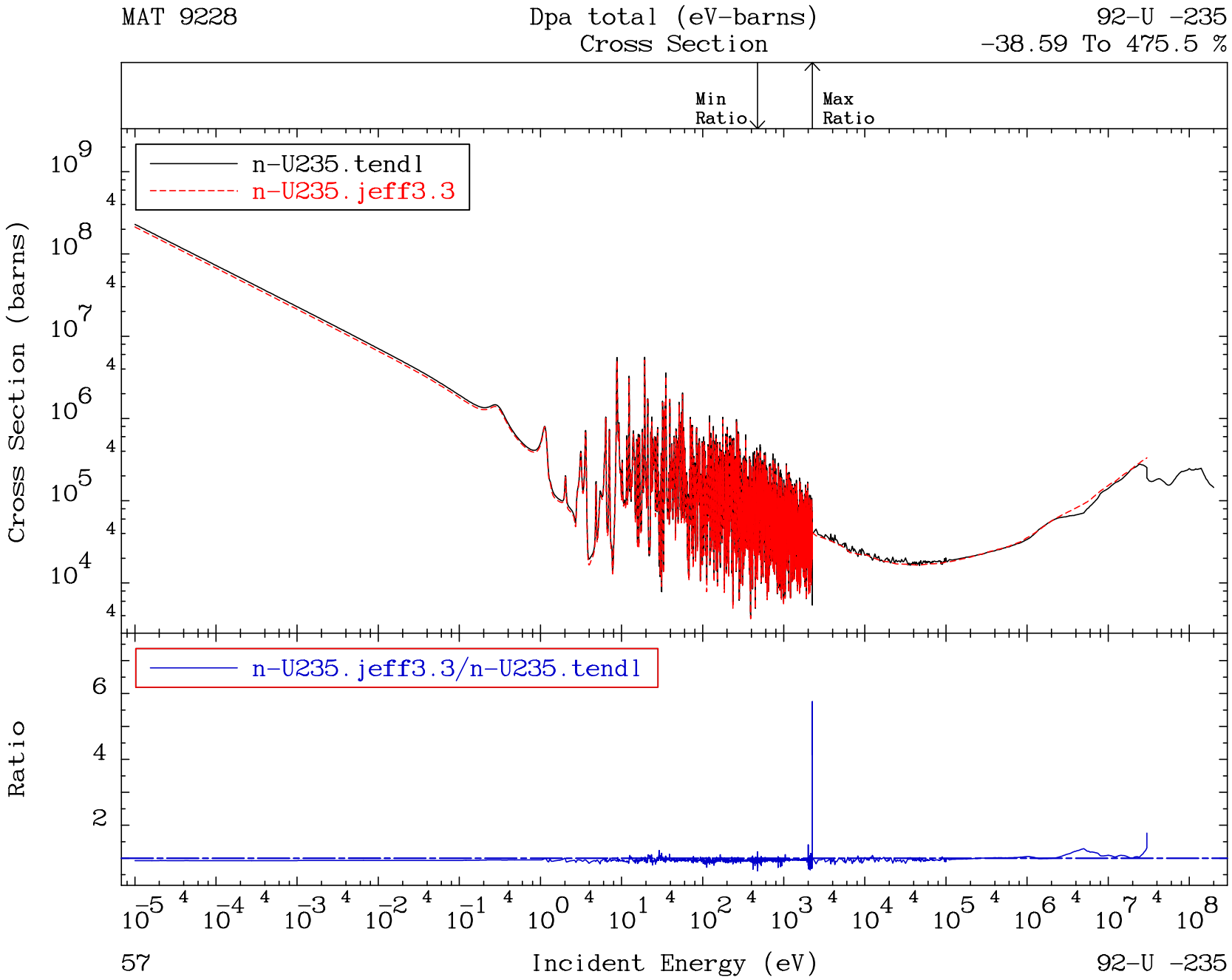

MAT 9228
Kerma inelastic (mt51-91)
Cross Section
92-U -235
-100.0 To 226.1 %
Min Ratio
Max Ratio
n-U235.tendl Threshold 2.2461 keV
n-U235.jeff3.3 Threshold 2.2469 keV
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
52
92-U -235

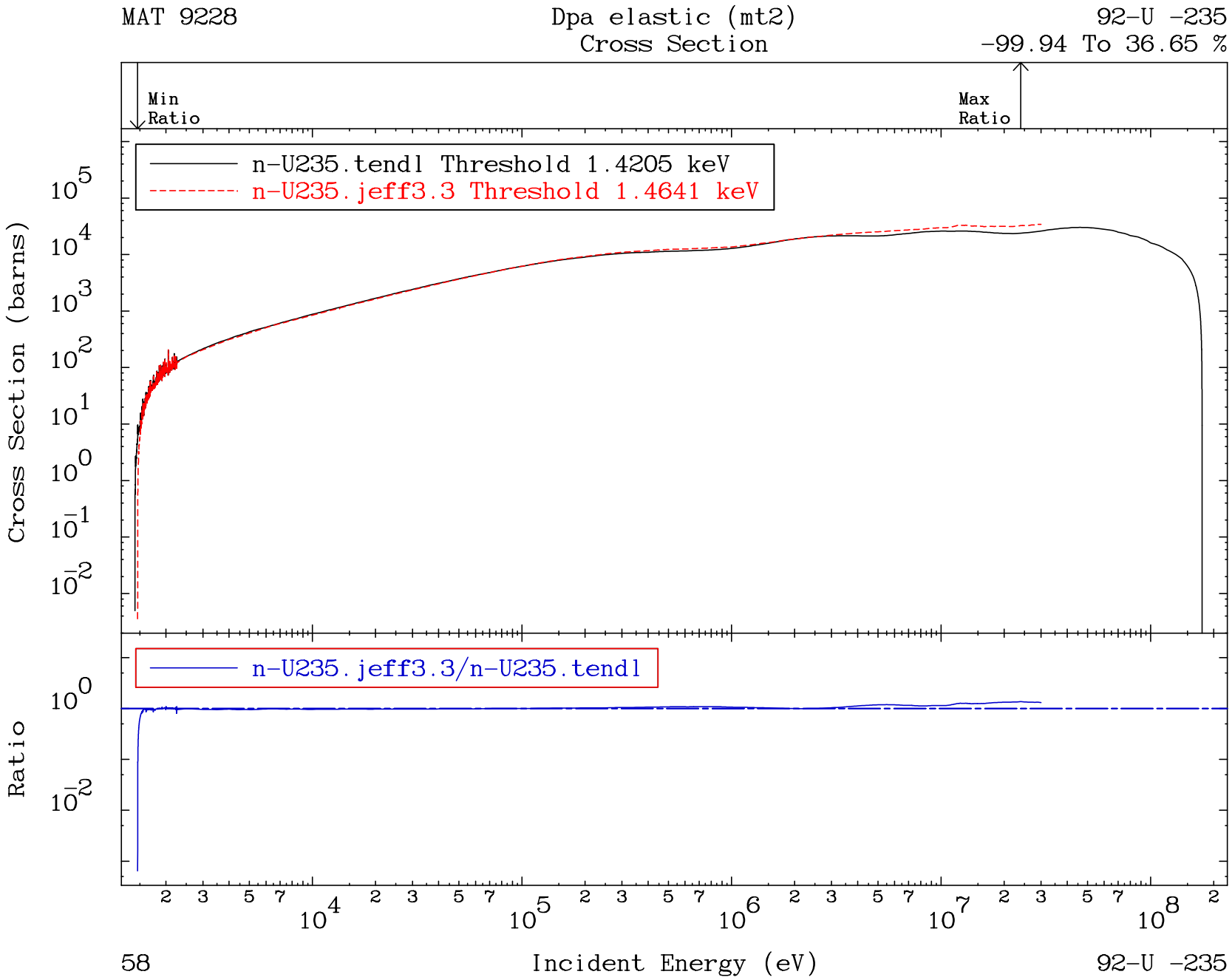

MAT 9228
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
92-U -235
-33.97 To 531.2 %
Min Ratio
Max Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
53
Incident Energy (eV)
92-U -235

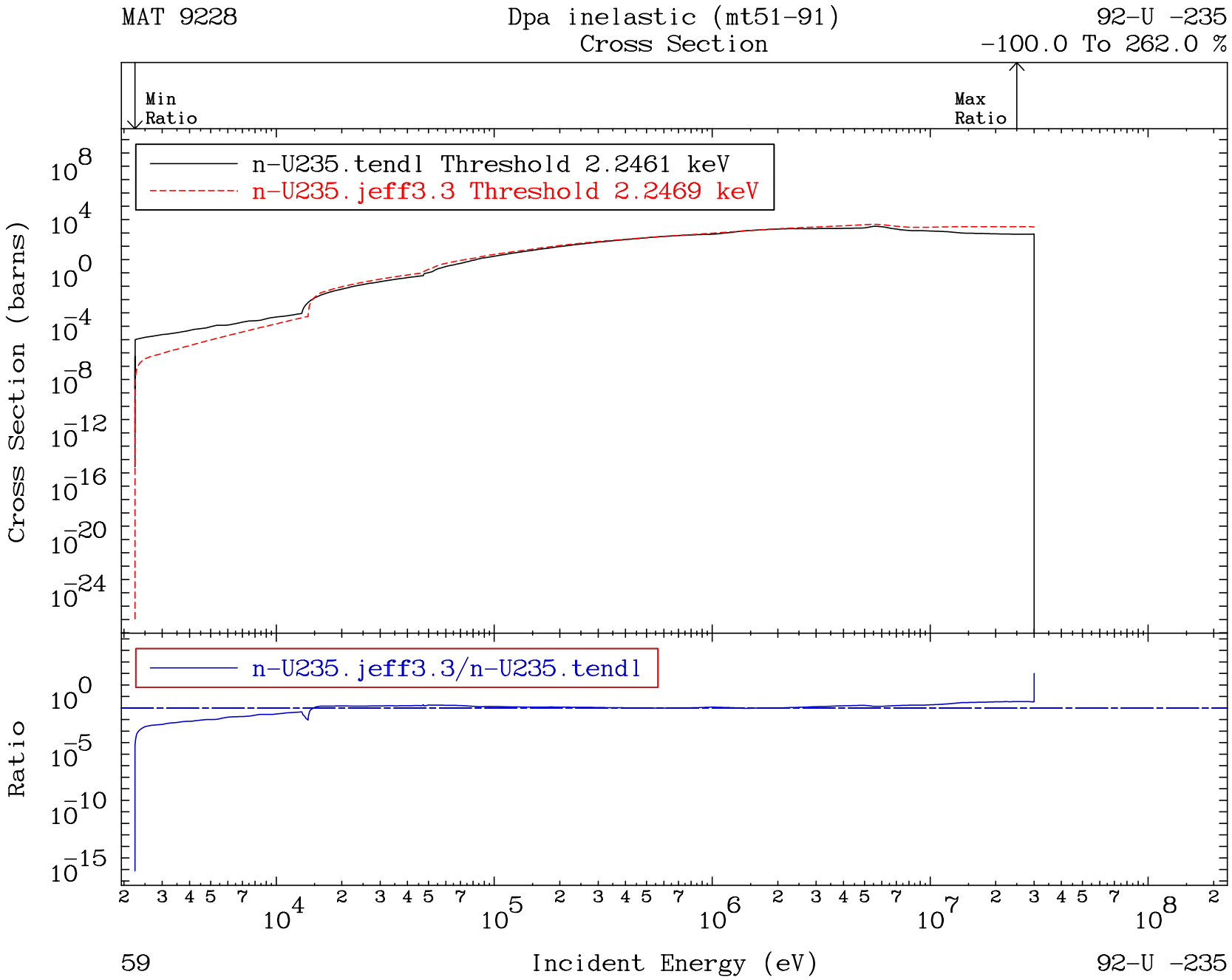

MAT 9228
Kerma capture (mt102)
Cross Section
92-U -235
-54.15 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
54
Incident Energy (eV)
92-U -235

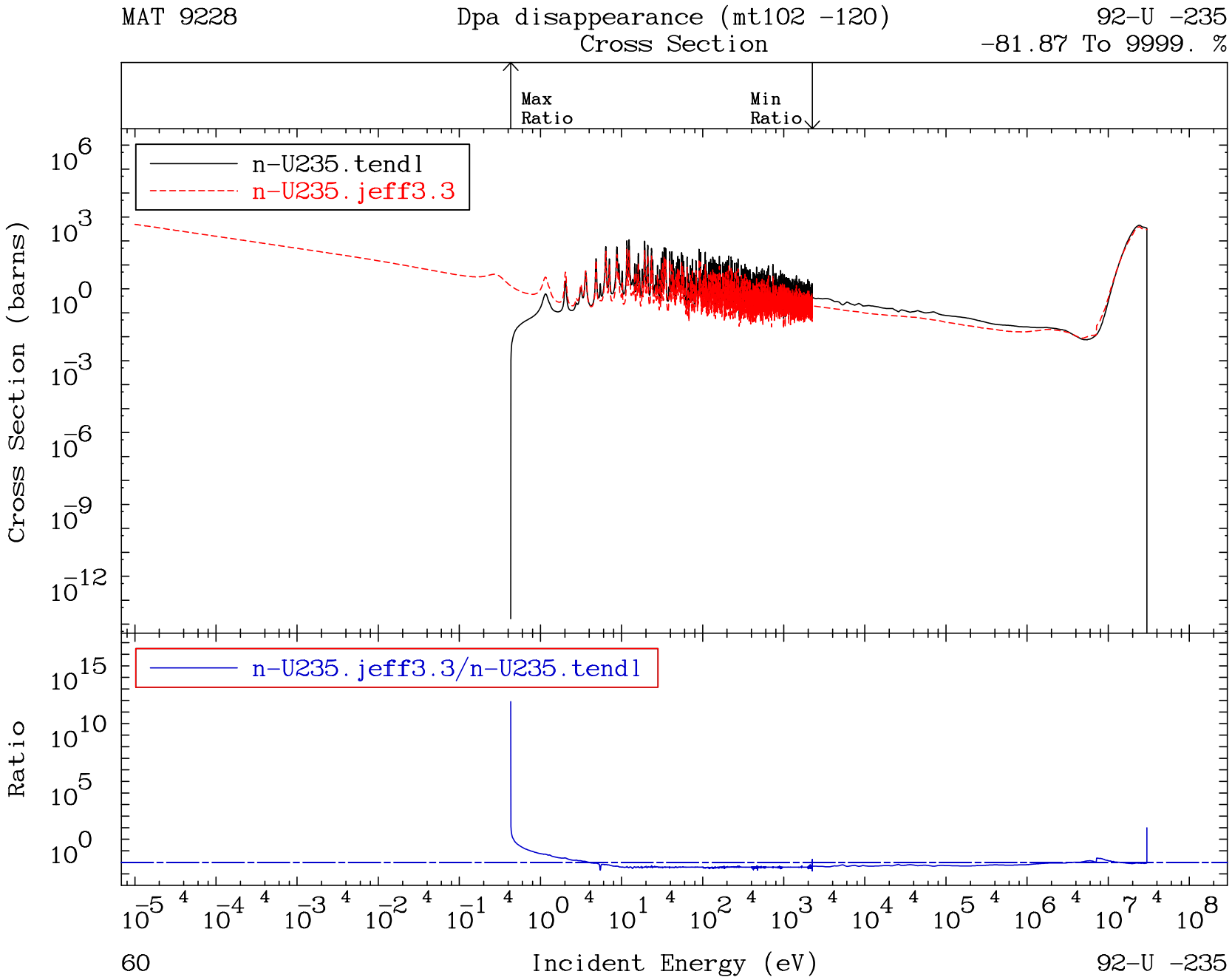

MAT 9228
Total photon (eV-barns)
Cross Section
92-U -235
-54.15 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
55
92-U -235

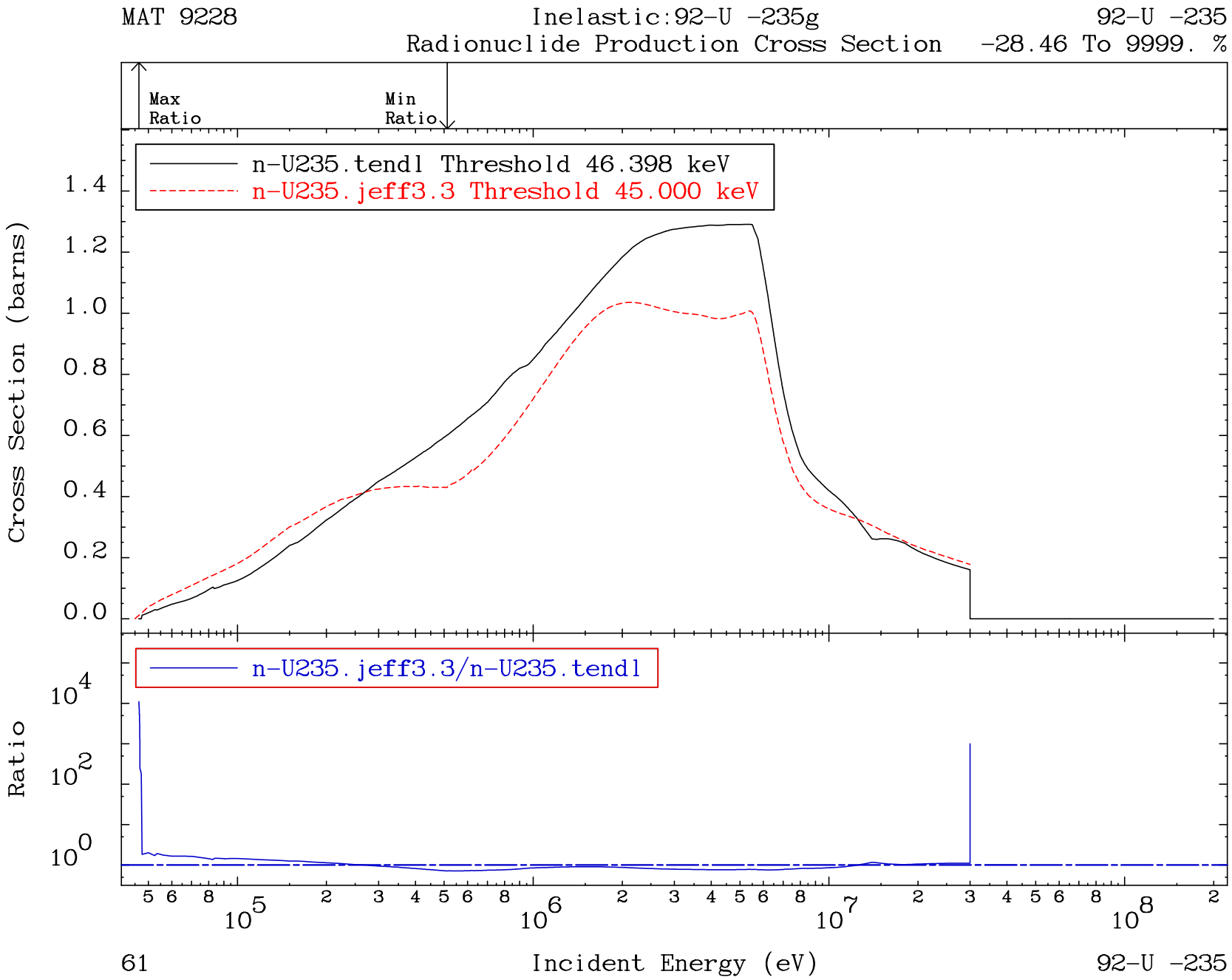

MAT 9228
Total kinematic kerma (high limit)
Cross Section
92-U -235
-34.21 To 504.6 %
Min Ratio
Max Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
56
92-U -235

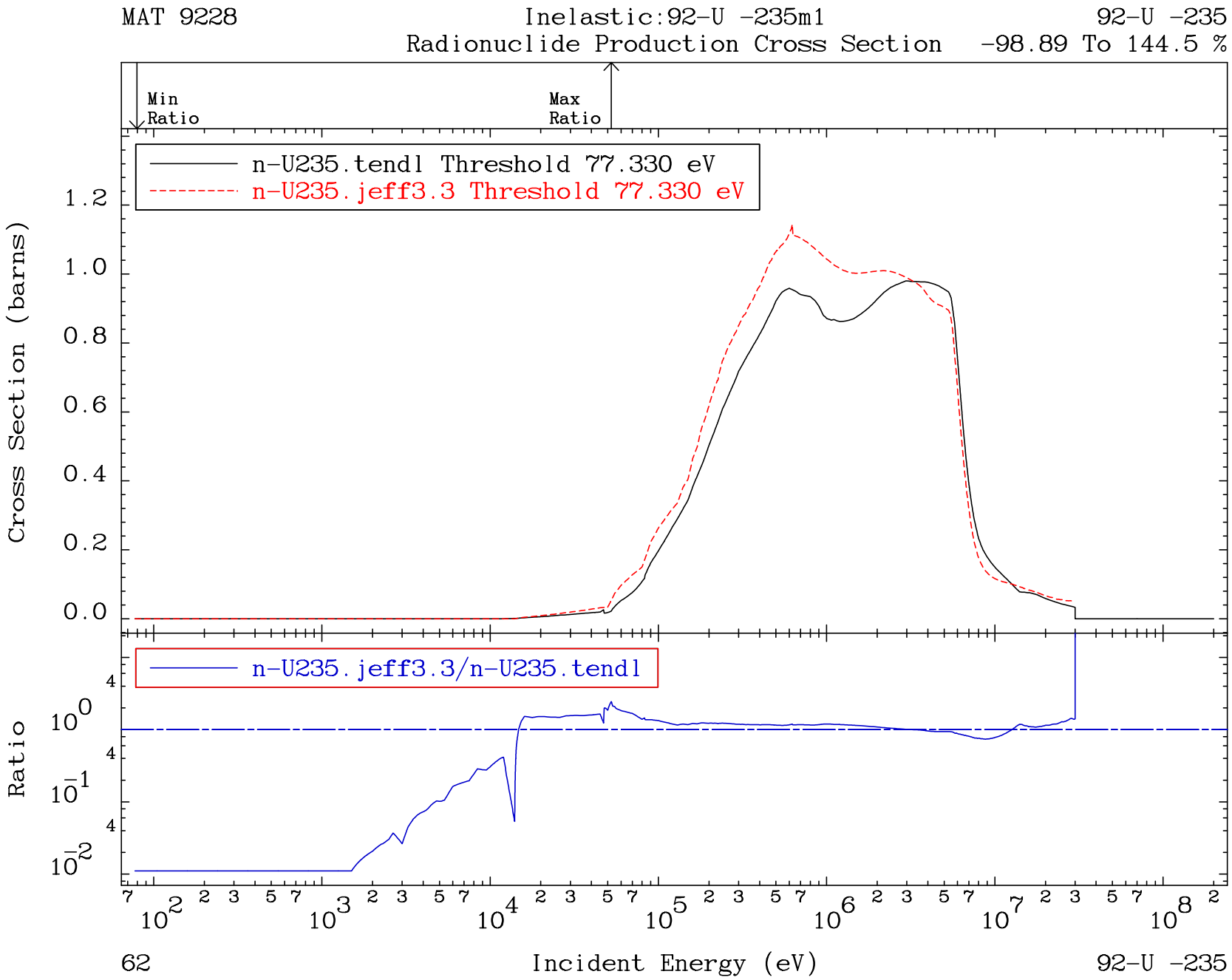

MAT 9228
Dpa total (eV-barns)
Cross Section
92-U -235
-38.59 To 475.5 %
Min Ratio
Max Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
57
92-U -235


MAT 9228
Dpa elastic (mt2)
Cross Section
92-U -235
-99.94 To 36.65 %
Min Ratio
Max Ratio
n-U235.tendl Threshold 1.4205 keV
n-U235.jeff3.3 Threshold 1.4641 keV
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
58
Incident Energy (eV)
92-U -235


MAT 9228
Dpa inelastic (mt51-91)
Cross Section
92-U -235
-100.0 To 262.0 %
Min Ratio
Max Ratio
n-U235.tendl Threshold 2.2461 keV
n-U235.jeff3.3 Threshold 2.2469 keV
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
59
92-U -235


MAT 9228
Dpa disappearance (mt102 -120)
Cross Section
92-U -235
-81.87 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl
n-U235.jeff3.3
Cross Section (barns)
n-U235.jeff3.3/n-U235.tendl
Ratio
Incident Energy (eV)
60
92-U -235


MAT 9228
Inelastic:92-U -235g
92-U -235
Radionuclide Production Cross Section -28.46 To 9999. %
Max Ratio
Min Ratio
n-U235.tendl Threshold 46.398 keV
n-U235.jeff3.3 Threshold 45.000 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^4
10^2
10^0
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
61
Incident Energy (eV)
92-U -235


MAT 9228
Inelastic:92-U -235m1
92-U -235
Radionuclide Production Cross Section -98.89 To 144.5 %
Min Ratio
Max Ratio
n-U235.tendl Threshold 77.330 eV
n-U235.jeff3.3 Threshold 77.330 eV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-U235.jeff3.3/n-U235.tendl
Ratio
10^{0}
10^{-1}
10^{-2}
10^{2}
10^{3}
10^{4}
10^{5}
10^{6}
10^{7}
10^{8}
62
Incident Energy (eV)
92-U -235