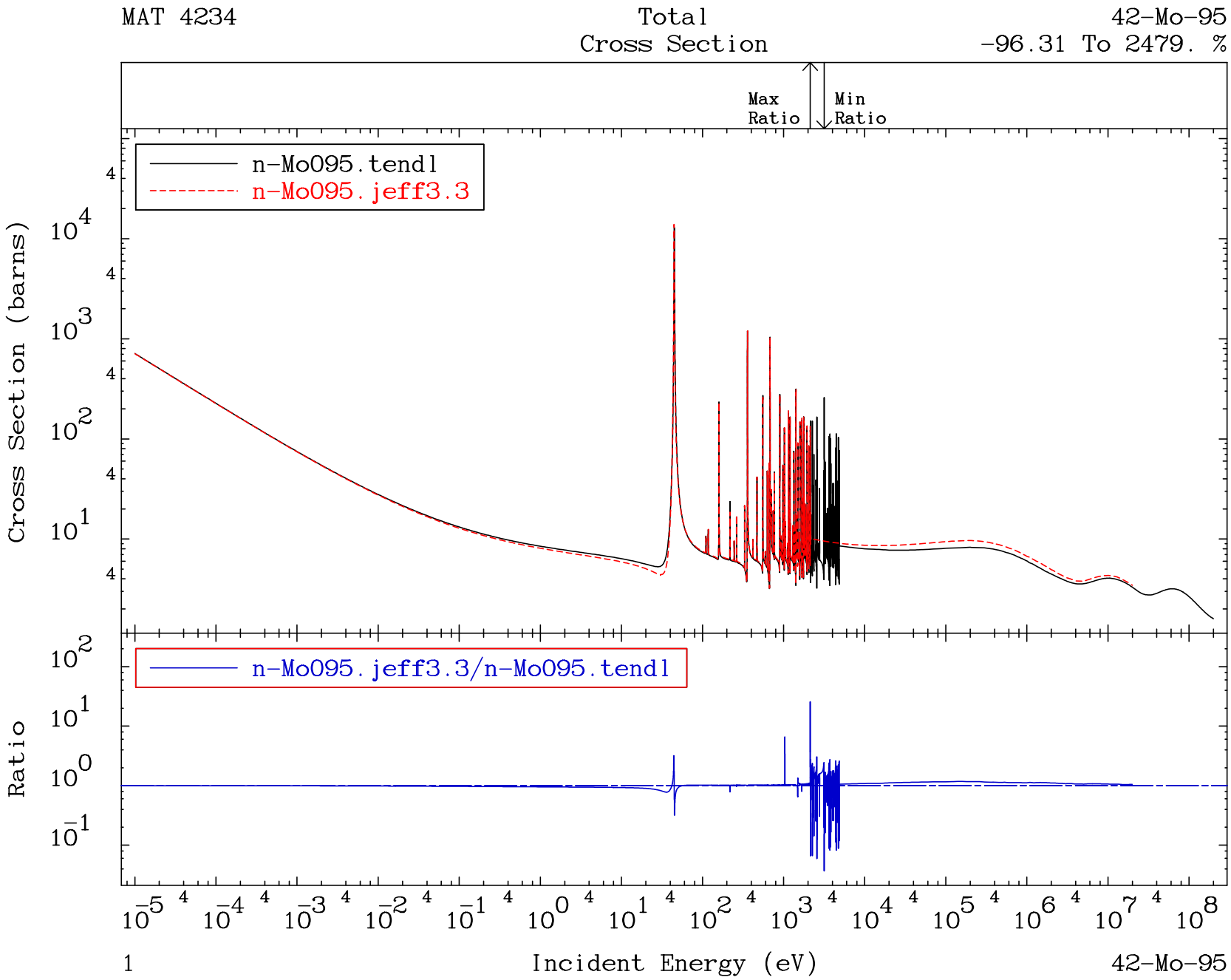
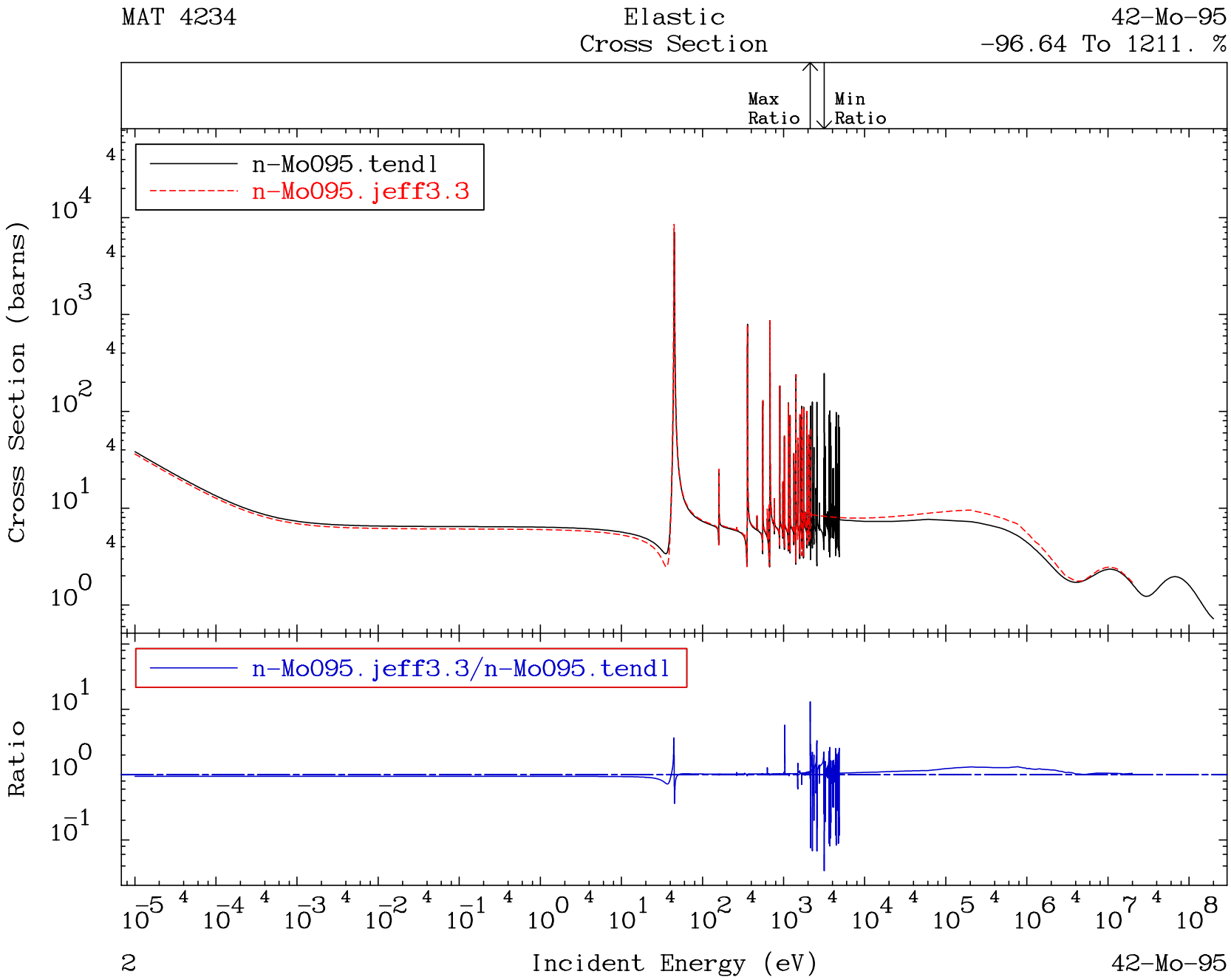
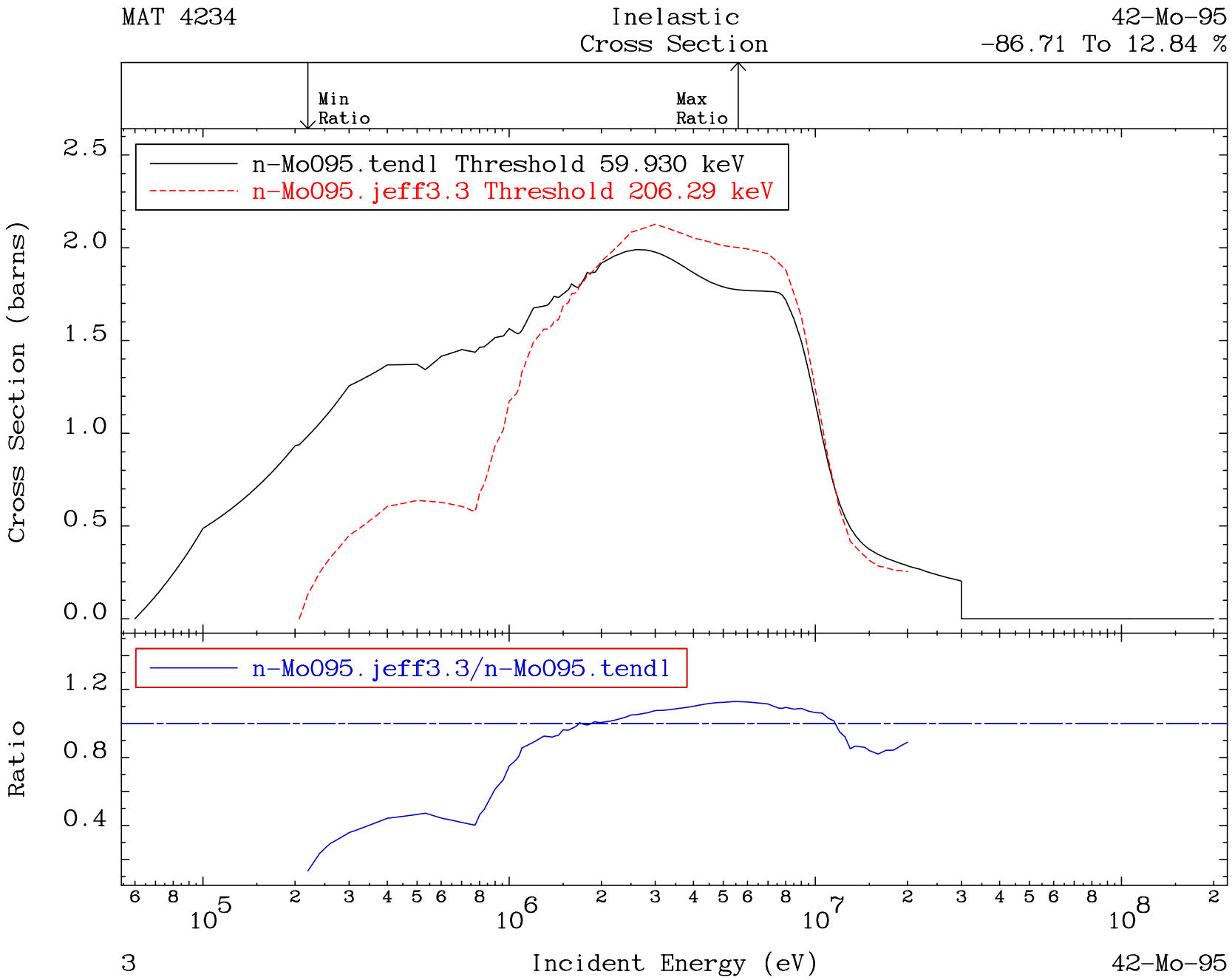
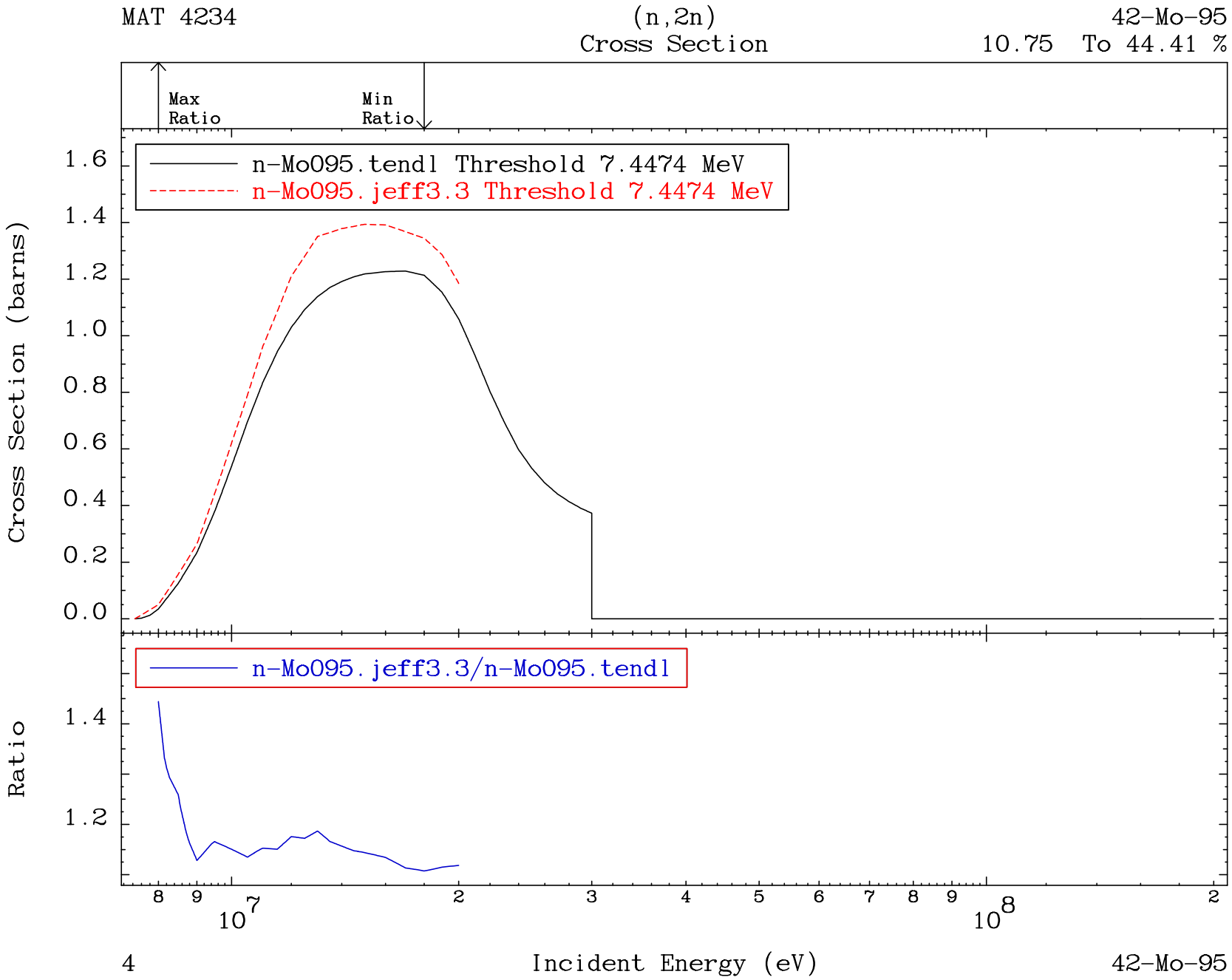
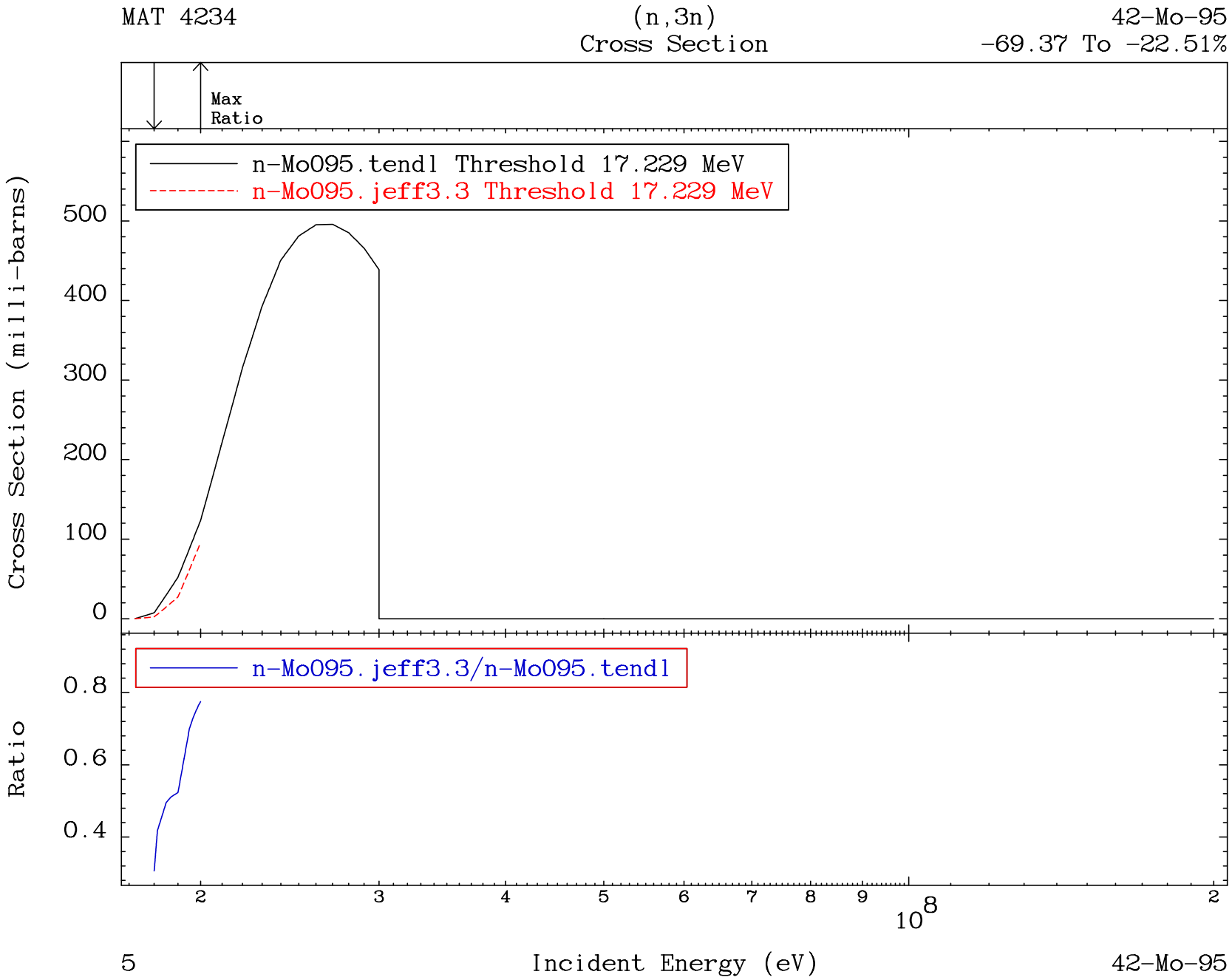
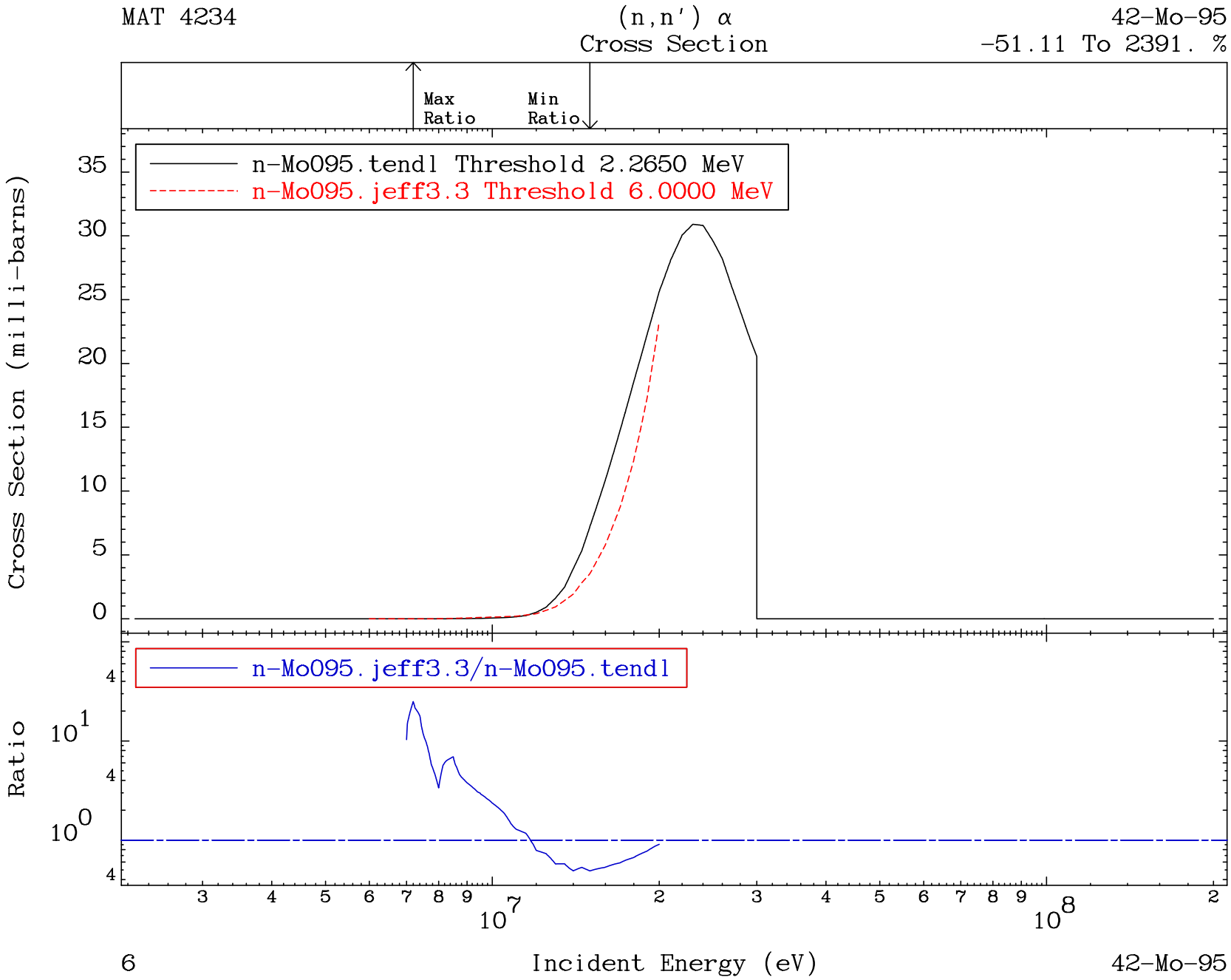

MAT 4234
Total
Cross Section
42-Mo-95
-96.31 To 2479. %
Max
Ratio
Min
Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
1
42-Mo-95

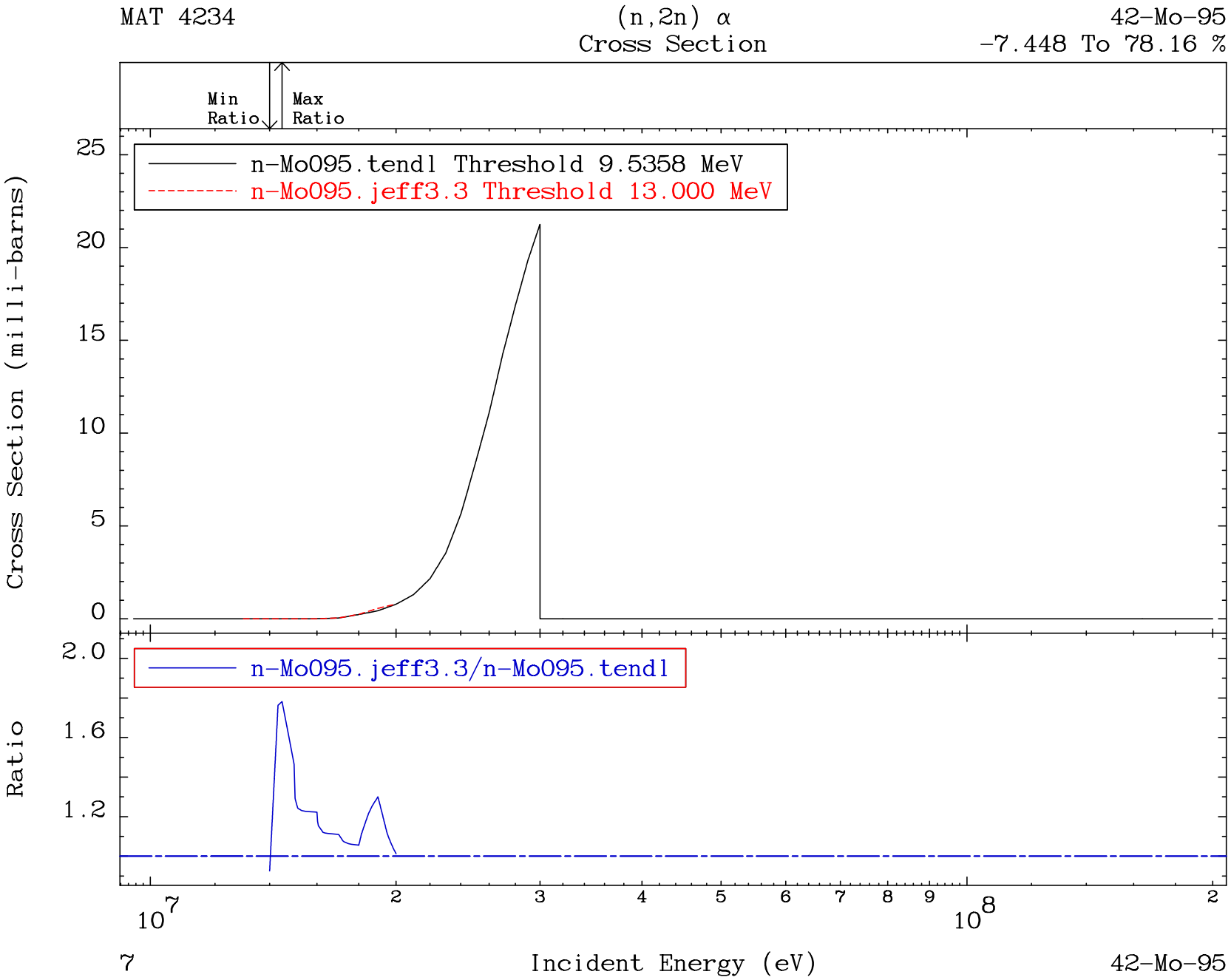

MAT 4234
Elastic
Cross Section
42-Mo-95
-96.64 To 1211. %
Max
Ratio
Min
Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
2
42-Mo-95

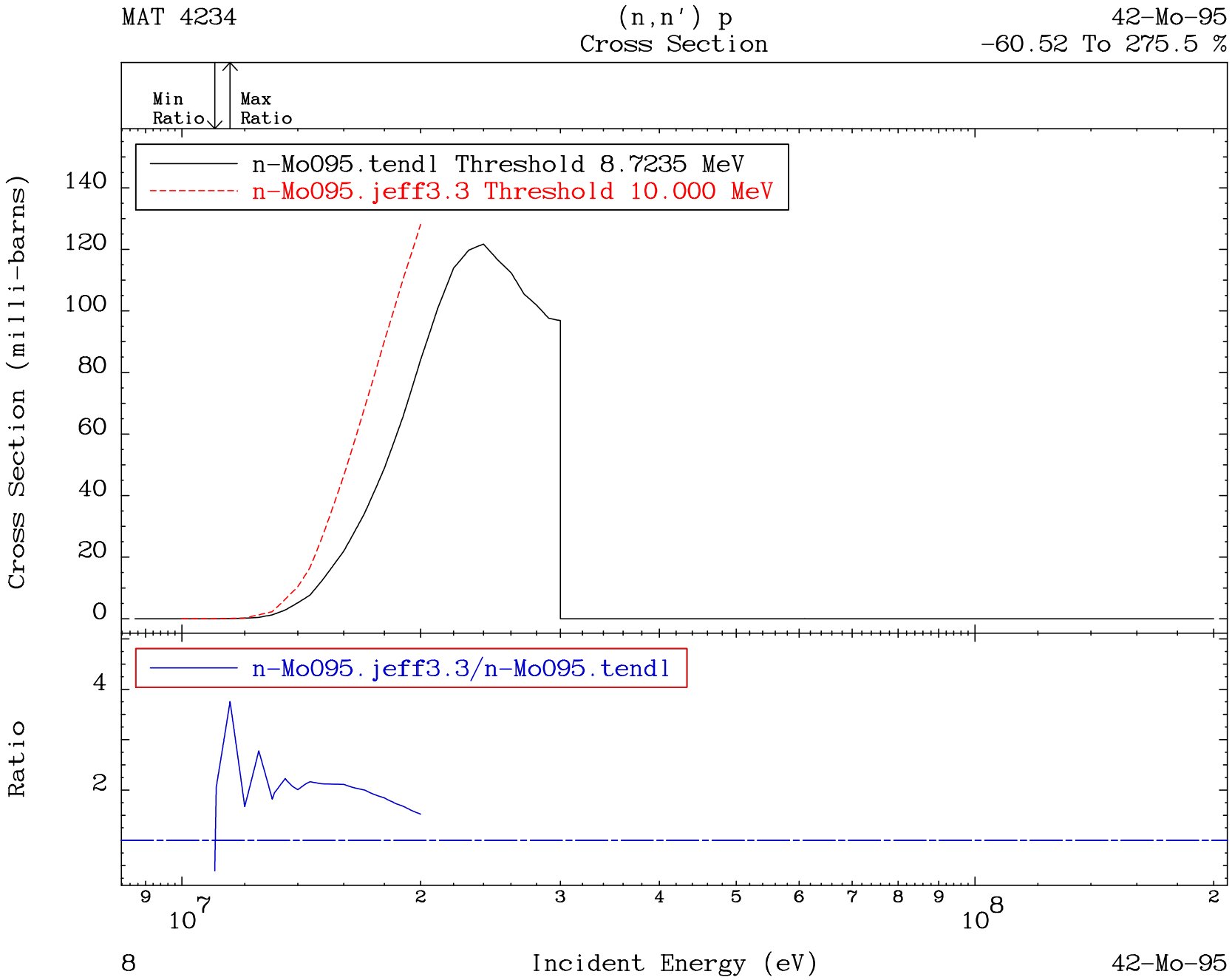

MAT 4234
Inelastic
Cross Section
42-Mo-95
-86.71 To 12.84 %
Min
Ratio
Max
Ratio
n-Mo095.tendl Threshold 59.930 keV
n-Mo095.jeff3.3 Threshold 206.29 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
1.2
0.8
0.4
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
42-Mo-95

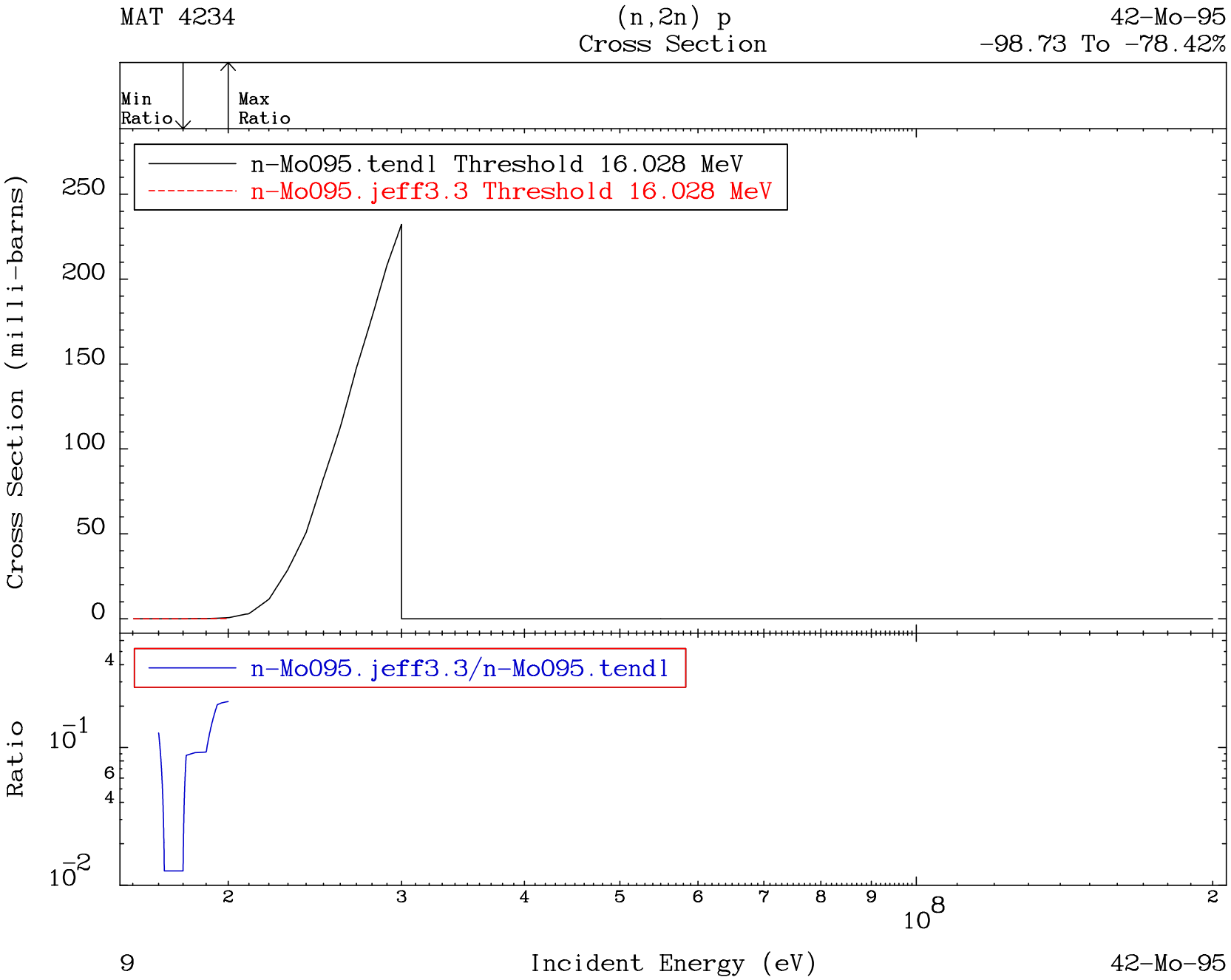

MAT 4234
(n,2n)
Cross Section
42-Mo-95
10.75 To 44.41 %
Max Ratio
Min Ratio
n-Mo095.tendl Threshold 7.4474 MeV
n-Mo095.jeff3.3 Threshold 7.4474 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
1.4
1.2
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
42-Mo-95

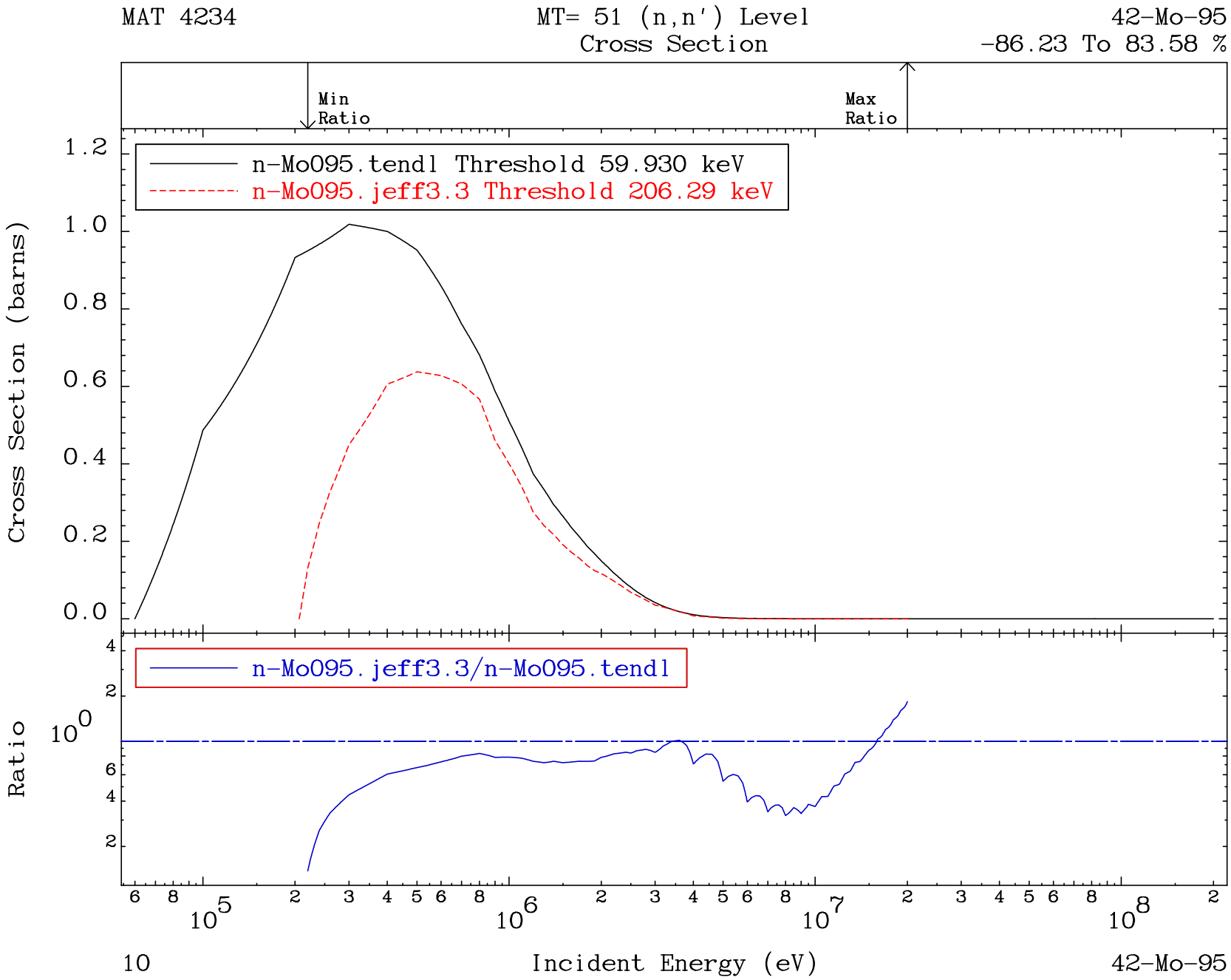

MAT 4234
(n,3n)
Cross Section
42-Mo-95
-69.37 To -22.51%
Max
Ratio
n-Mo095.tendl Threshold 17.229 MeV
n-Mo095.jeff3.3 Threshold 17.229 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
0.8
0.6
0.4
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
42-Mo-95

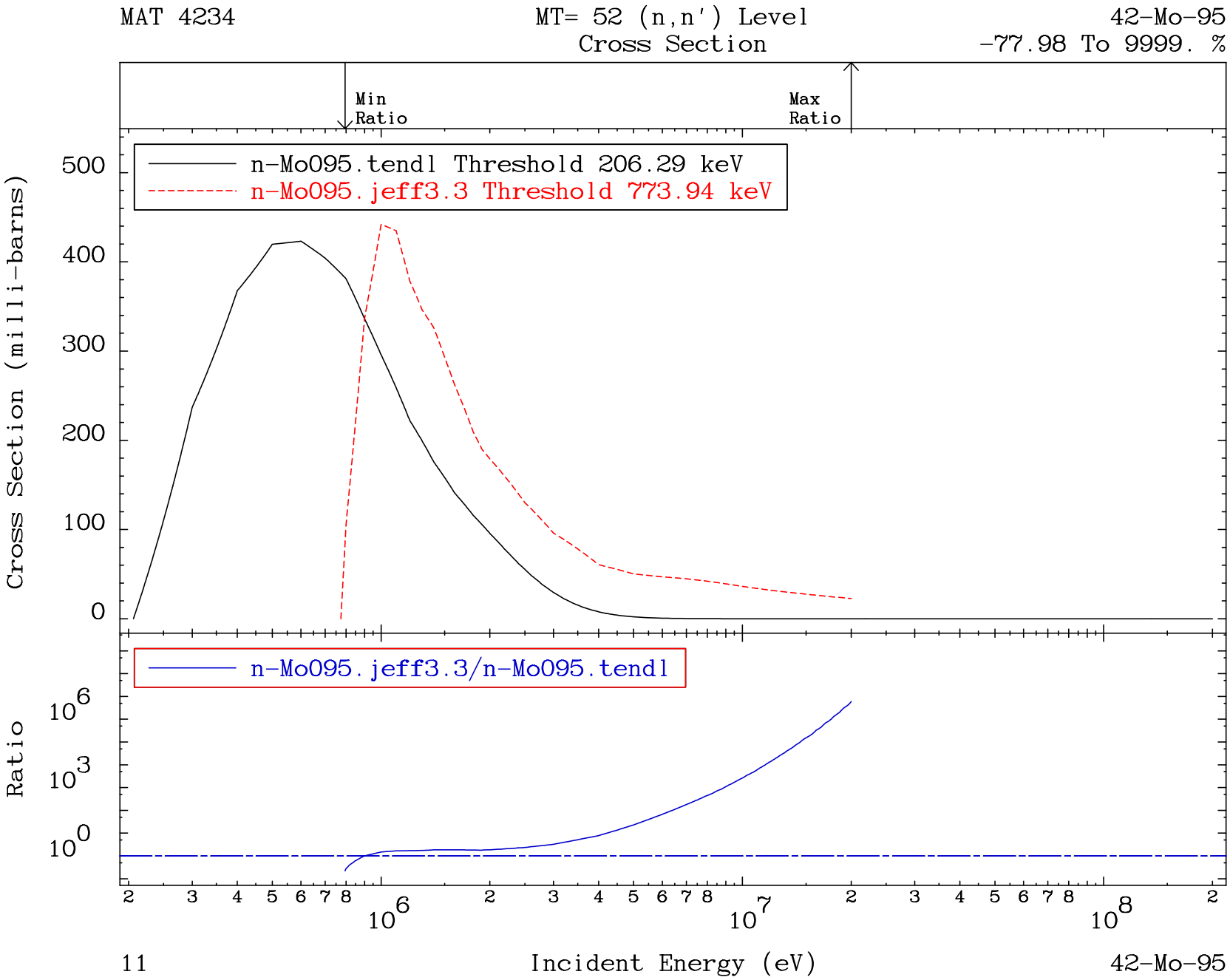

MAT 4234
(n,n') α
Cross Section
42-Mo-95
-51.11 To 2391. %
Max Ratio
Min Ratio
n-Mo095.tendl Threshold 2.2650 MeV
n-Mo095.jeff3.3 Threshold 6.0000 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^1
10^0
4
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
6
Incident Energy (eV)
42-Mo-95

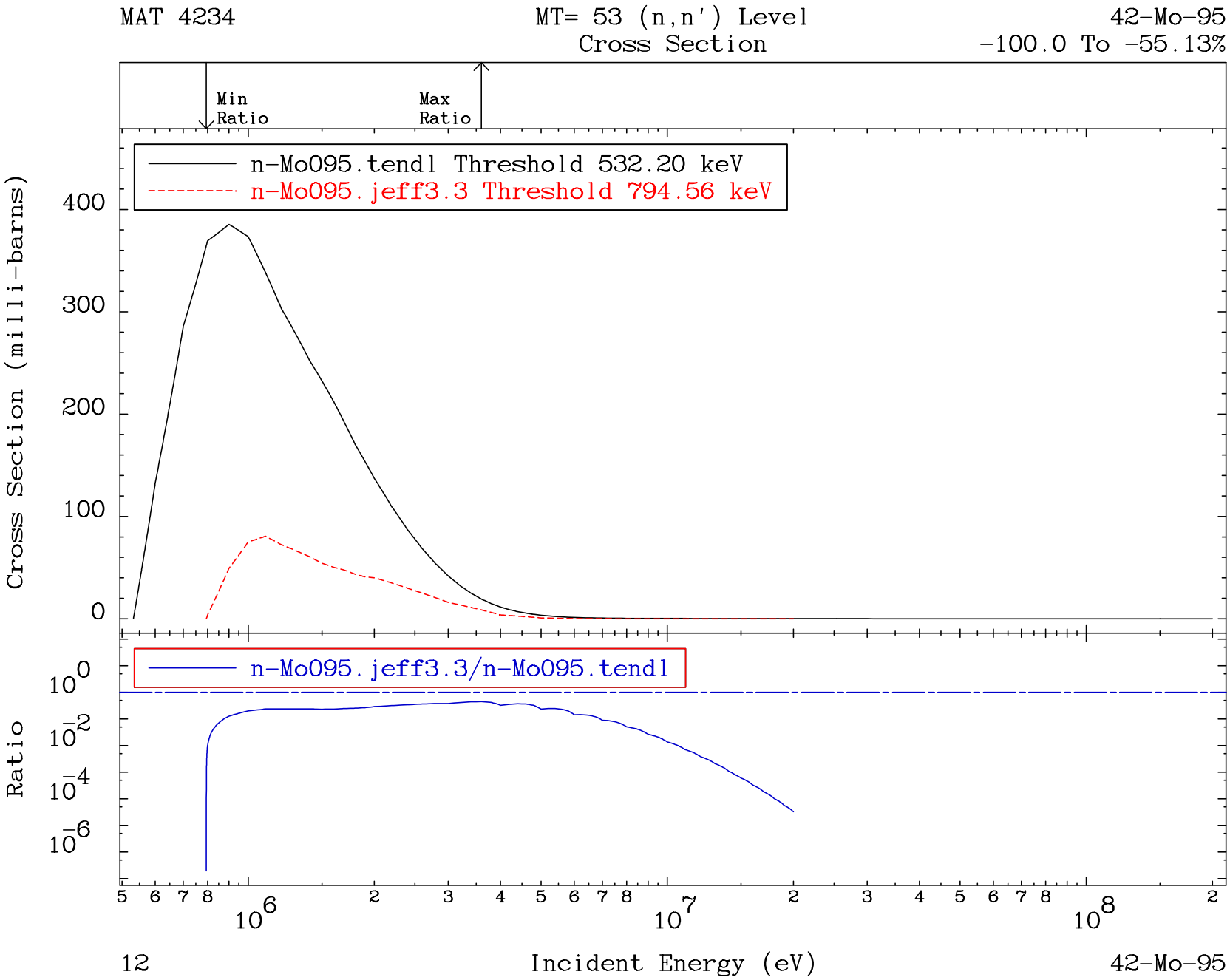

MAT 4234
(n,2n) α
Cross Section
42-Mo-95
-7.448 To 78.16 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 9.5358 MeV
n-Mo095.jeff3.3 Threshold 13.000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
2.0
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
42-Mo-95

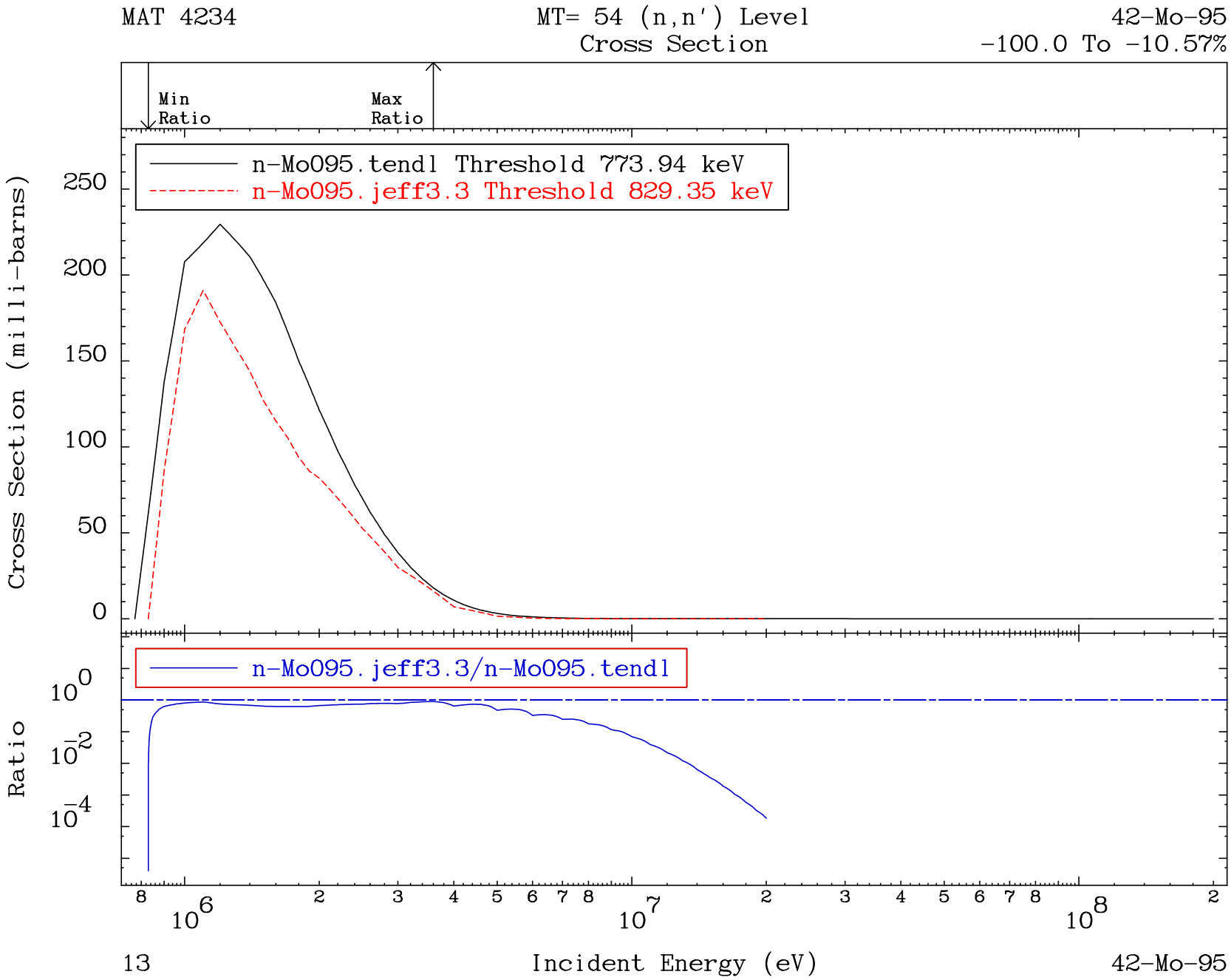

MAT 4234
(n,n') p
Cross Section
42-Mo-95
-60.52 To 275.5 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 8.7235 MeV
n-Mo095.jeff3.3 Threshold 10.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
4
2
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
42-Mo-95

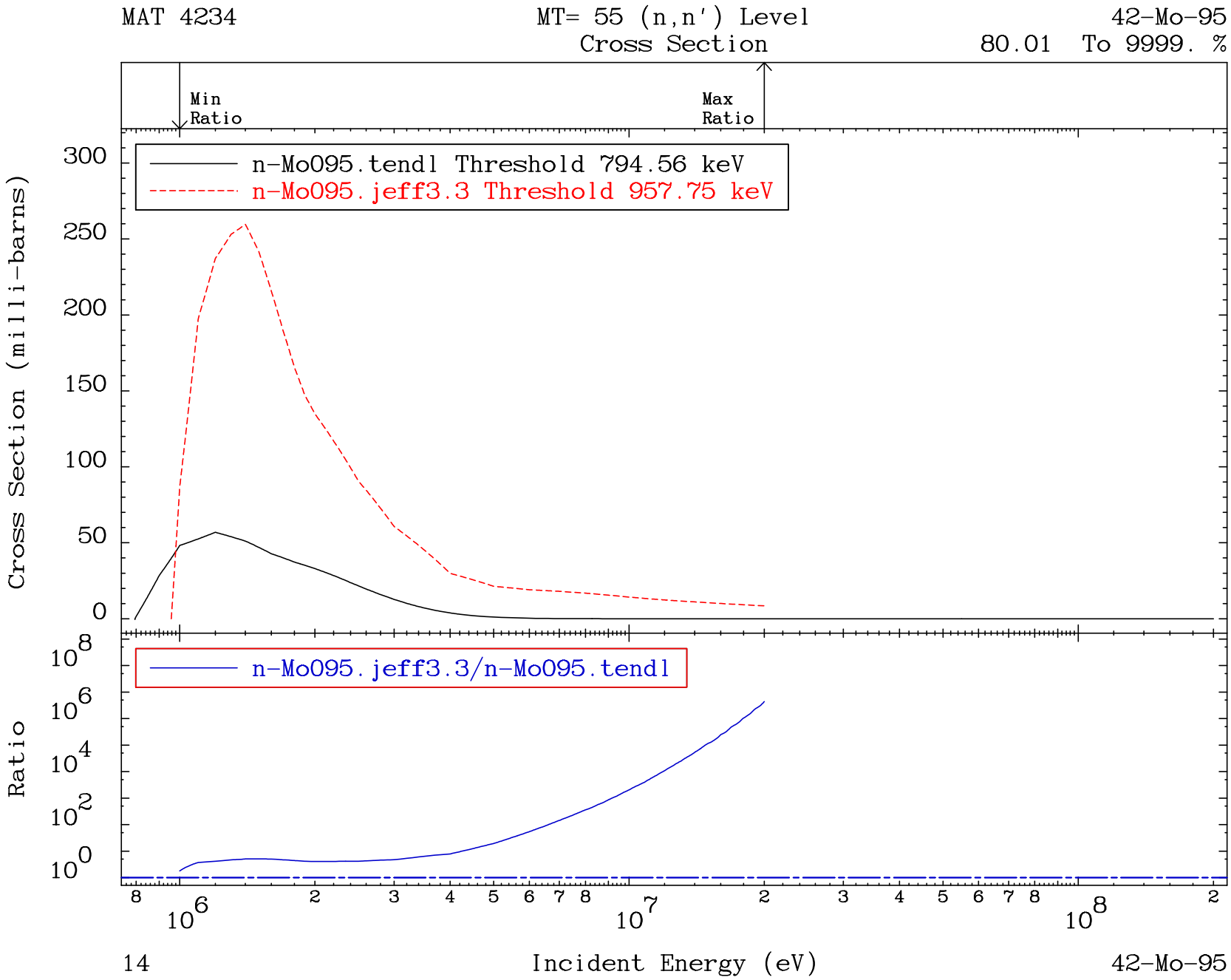

MAT 4234
(n,2n) p
Cross Section
42-Mo-95
-98.73 To -78.42%
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 16.028 MeV
n-Mo095.jeff3.3 Threshold 16.028 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
4
10-1
6
4
10-2
2
3
4
5
6
7
8
9
10 8
2
9
Incident Energy (eV)
42-Mo-95

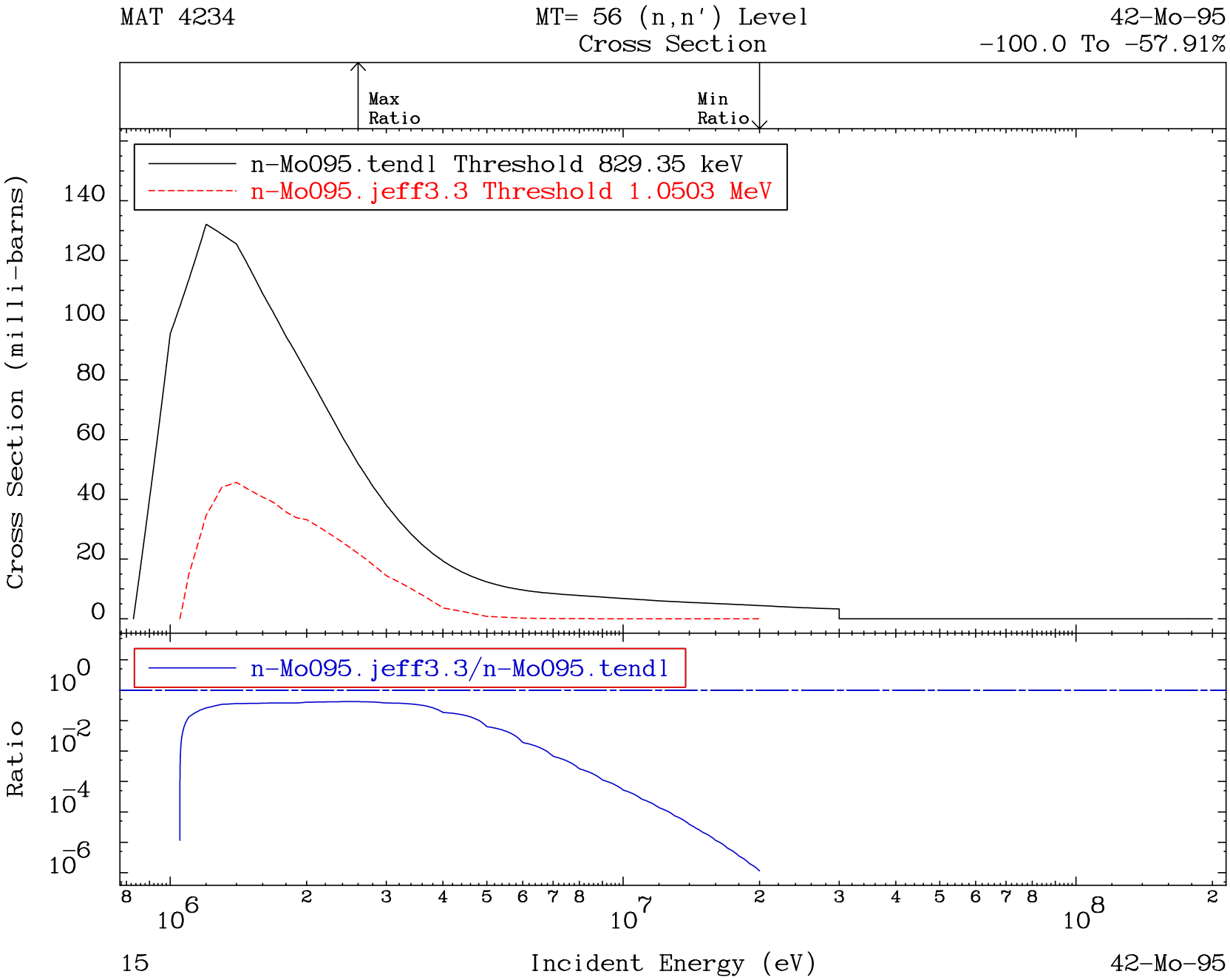

MAT 4234
MT= 51 (n,n') Level
Cross Section
42-Mo-95
-86.23 To 83.58 %
Min
Ratio
Max
Ratio
n-Mo095.tendl Threshold 59.930 keV
n-Mo095.jeff3.3 Threshold 206.29 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
4
2
10^0
6
4
2
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
10
Incident Energy (eV)
42-Mo-95

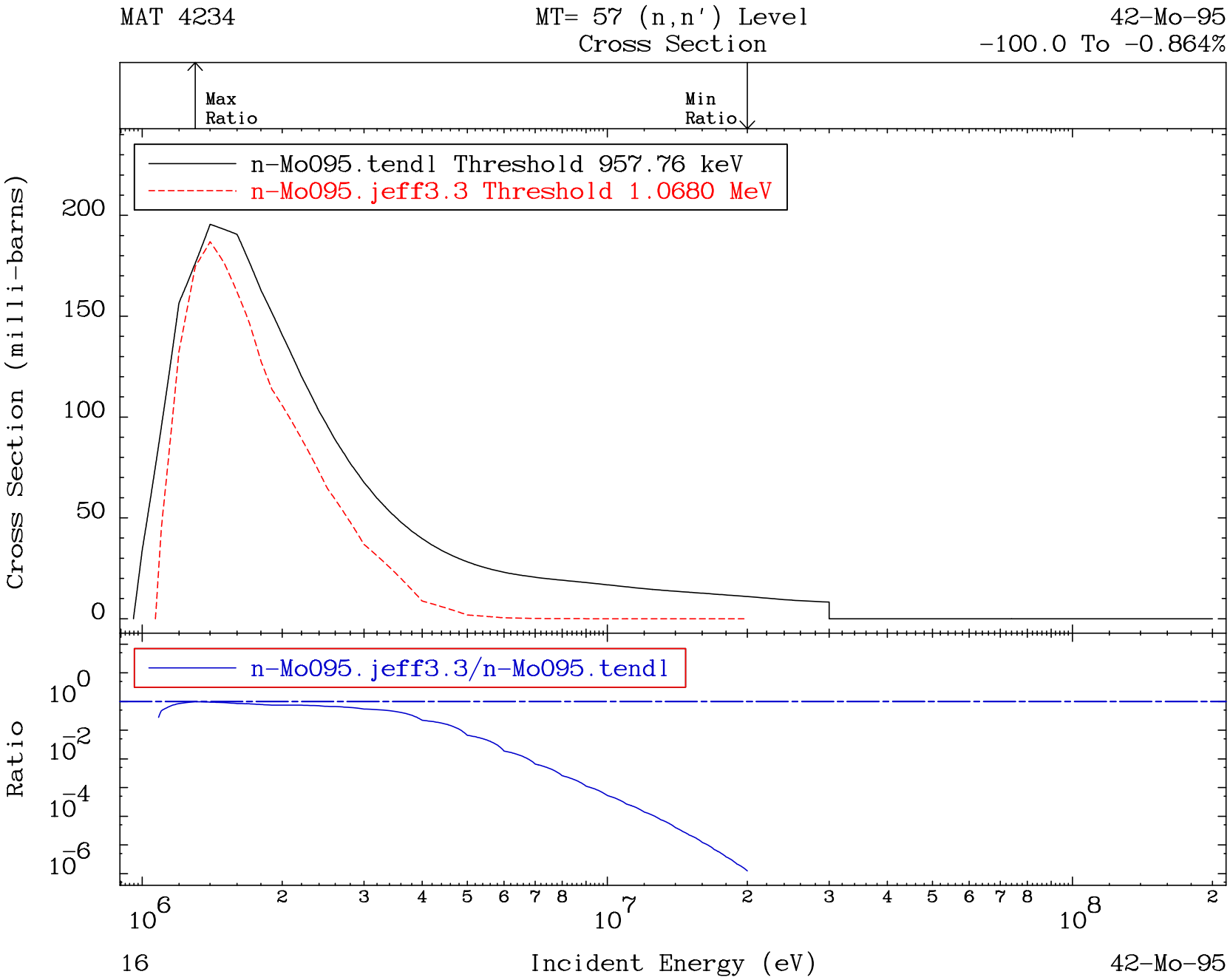

MAT 4234
MT= 52 (n,n') Level
Cross Section
42-Mo-95
-77.98 To 9999. %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 206.29 keV
n-Mo095.jeff3.3 Threshold 773.94 keV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^6
10^3
10^0
2 3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
42-Mo-95

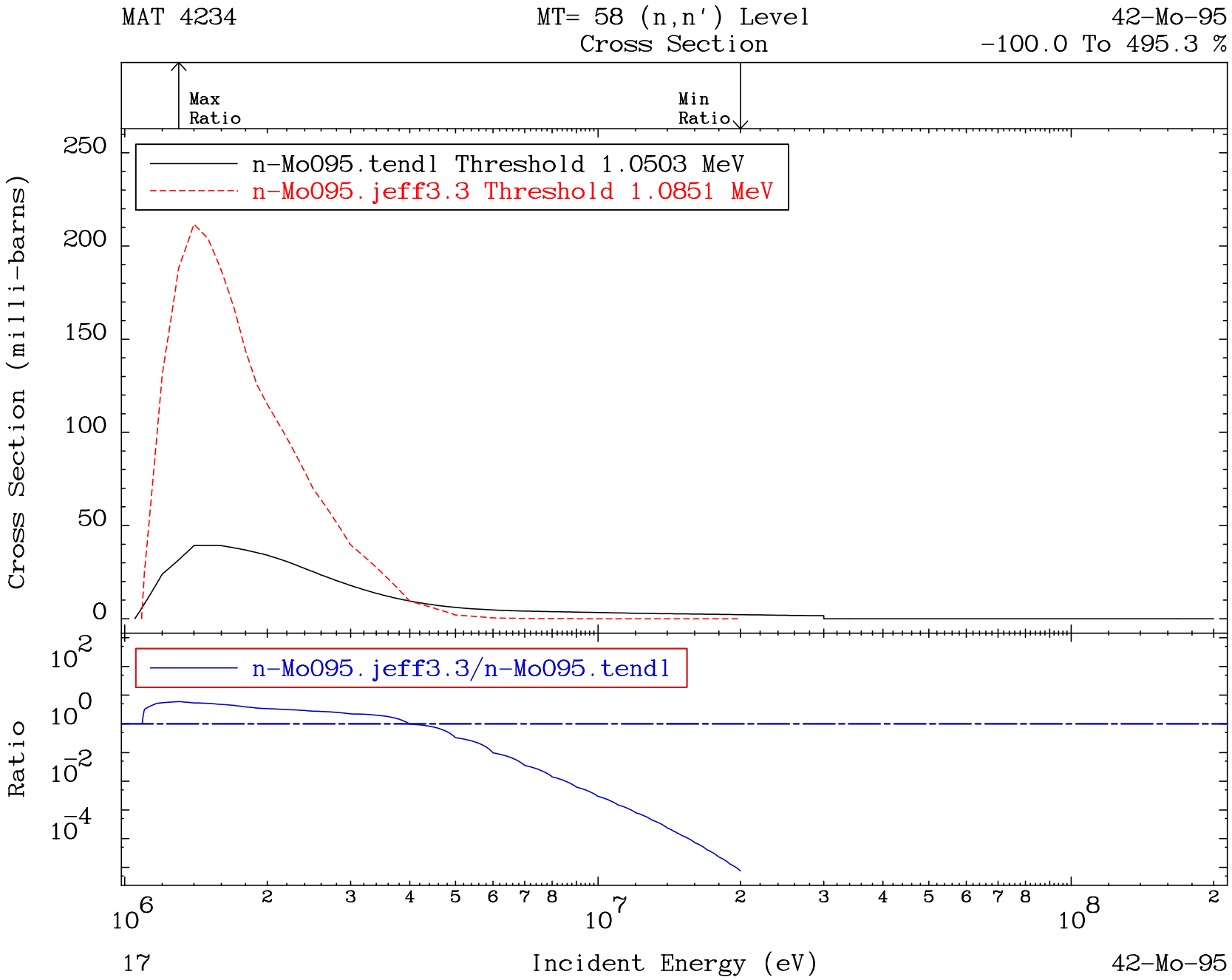

MAT 4234
MT= 53 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -55.13%
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 532.20 keV
n-Mo095.jeff3.3 Threshold 794.56 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
10^-6
5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
12
Incident Energy (eV)
42-Mo-95

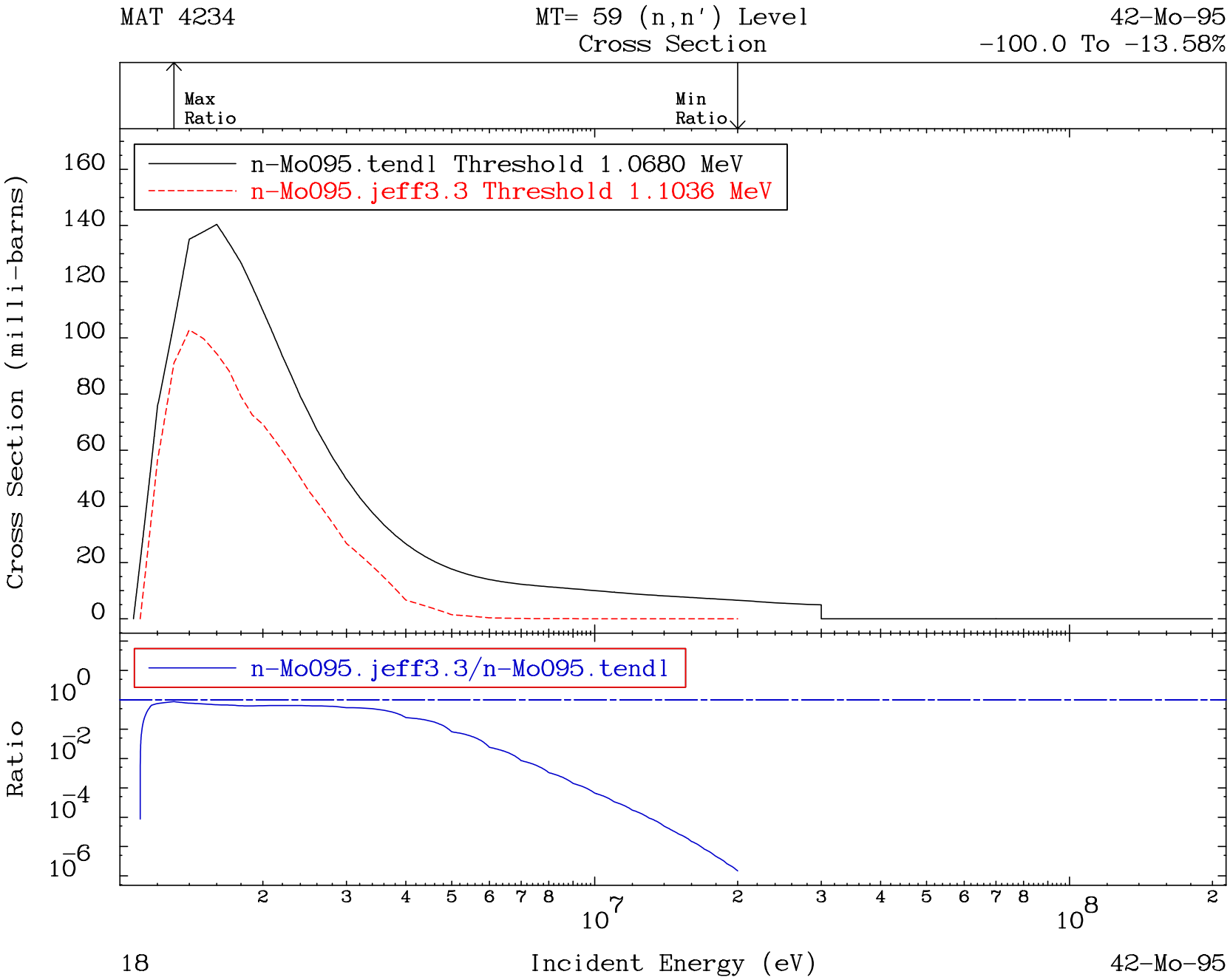

MAT 4234
MT= 54 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -10.57%
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 773.94 keV
n-Mo095.jeff3.3 Threshold 829.35 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
13
Incident Energy (eV)
42-Mo-95

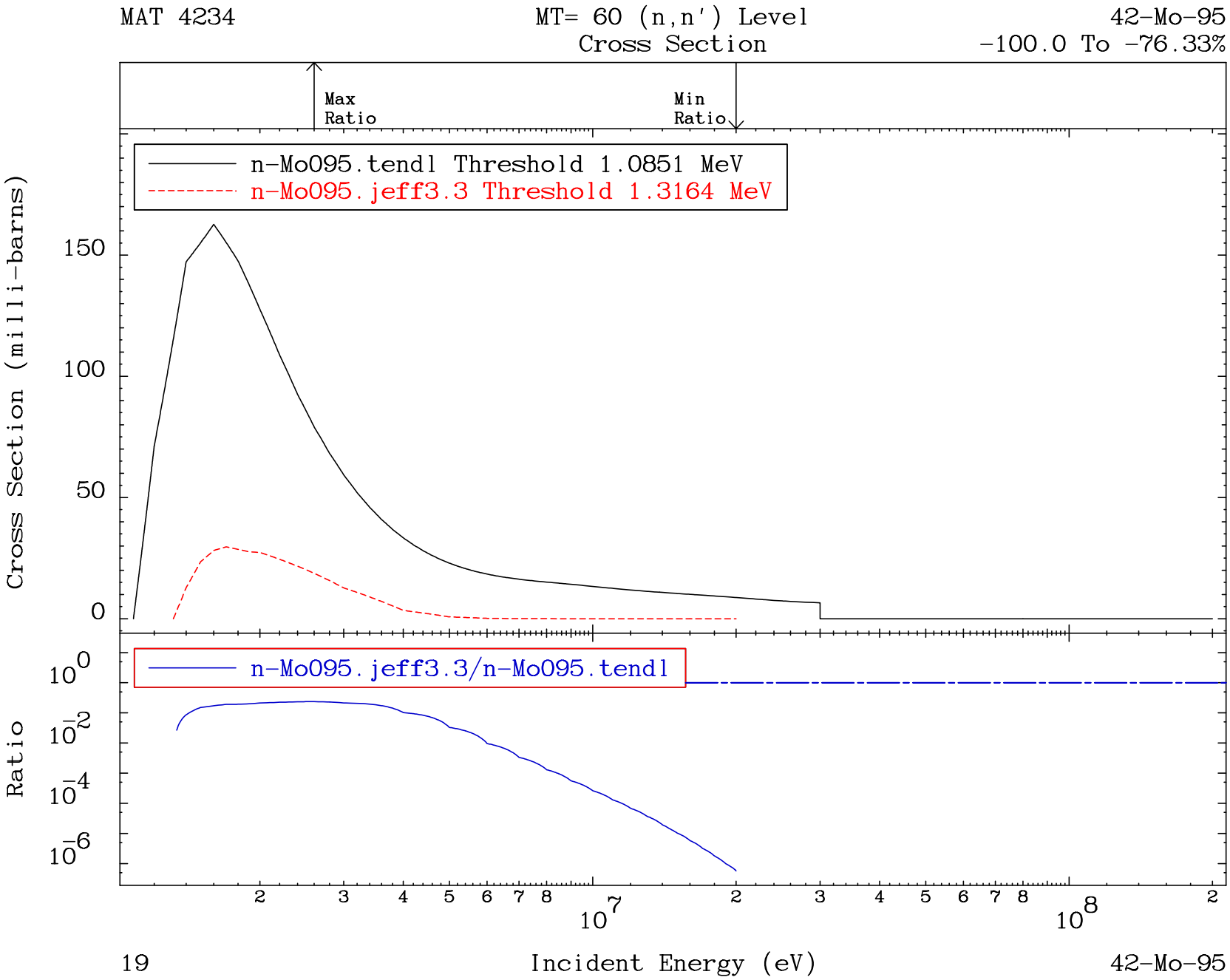

MAT 4234
MT= 55 (n,n') Level
Cross Section
42-Mo-95
80.01 To 9999. %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 794.56 keV
n-Mo095.jeff3.3 Threshold 957.75 keV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^8
10^6
10^4
10^2
10^0
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
42-Mo-95

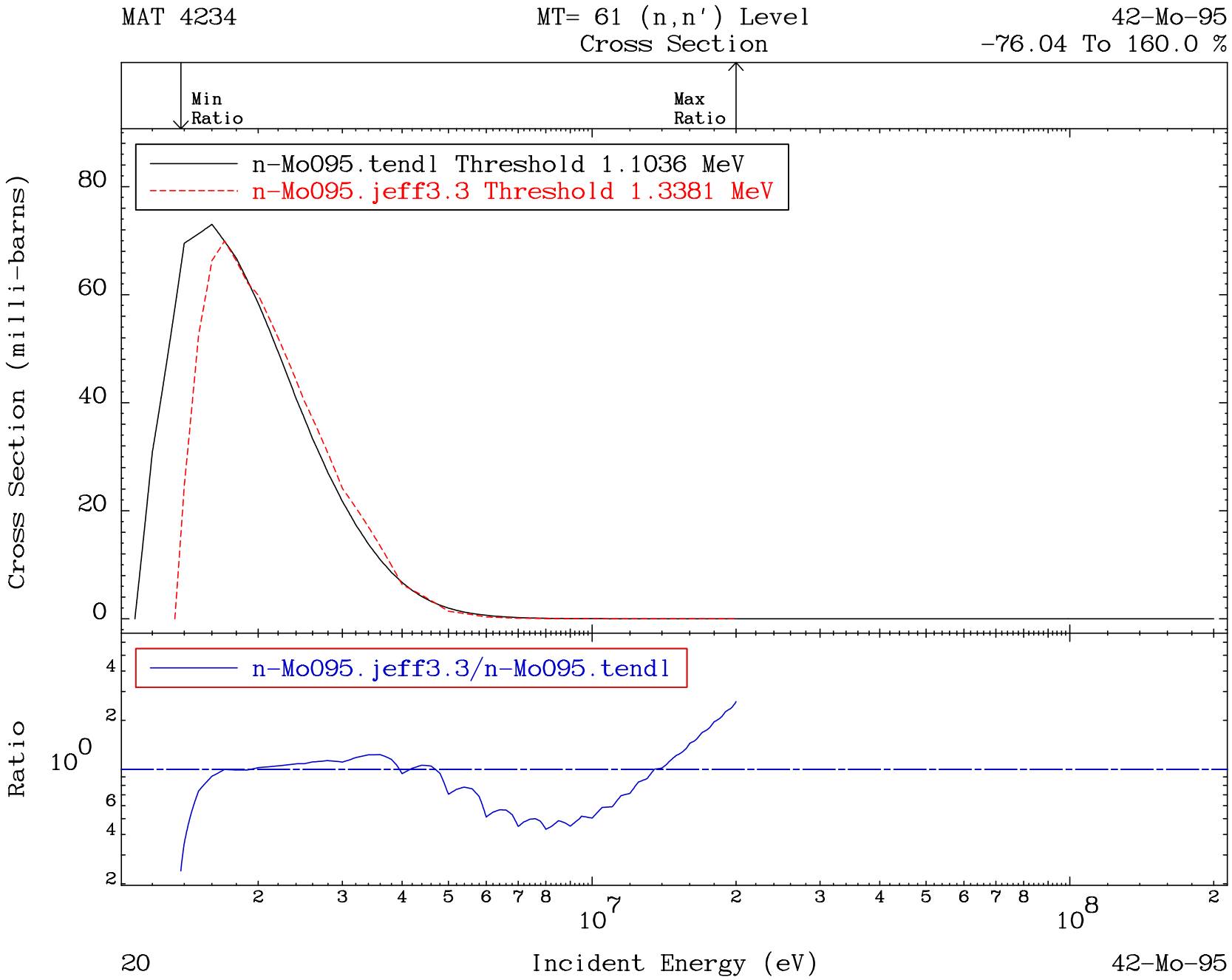

MAT 4234
MT= 56 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -57.91%
Max
Ratio
Min
Ratio
n-Mo095.tendl Threshold 829.35 keV
n-Mo095.jeff3.3 Threshold 1.0503 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
10^-6
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
15
Incident Energy (eV)
42-Mo-95

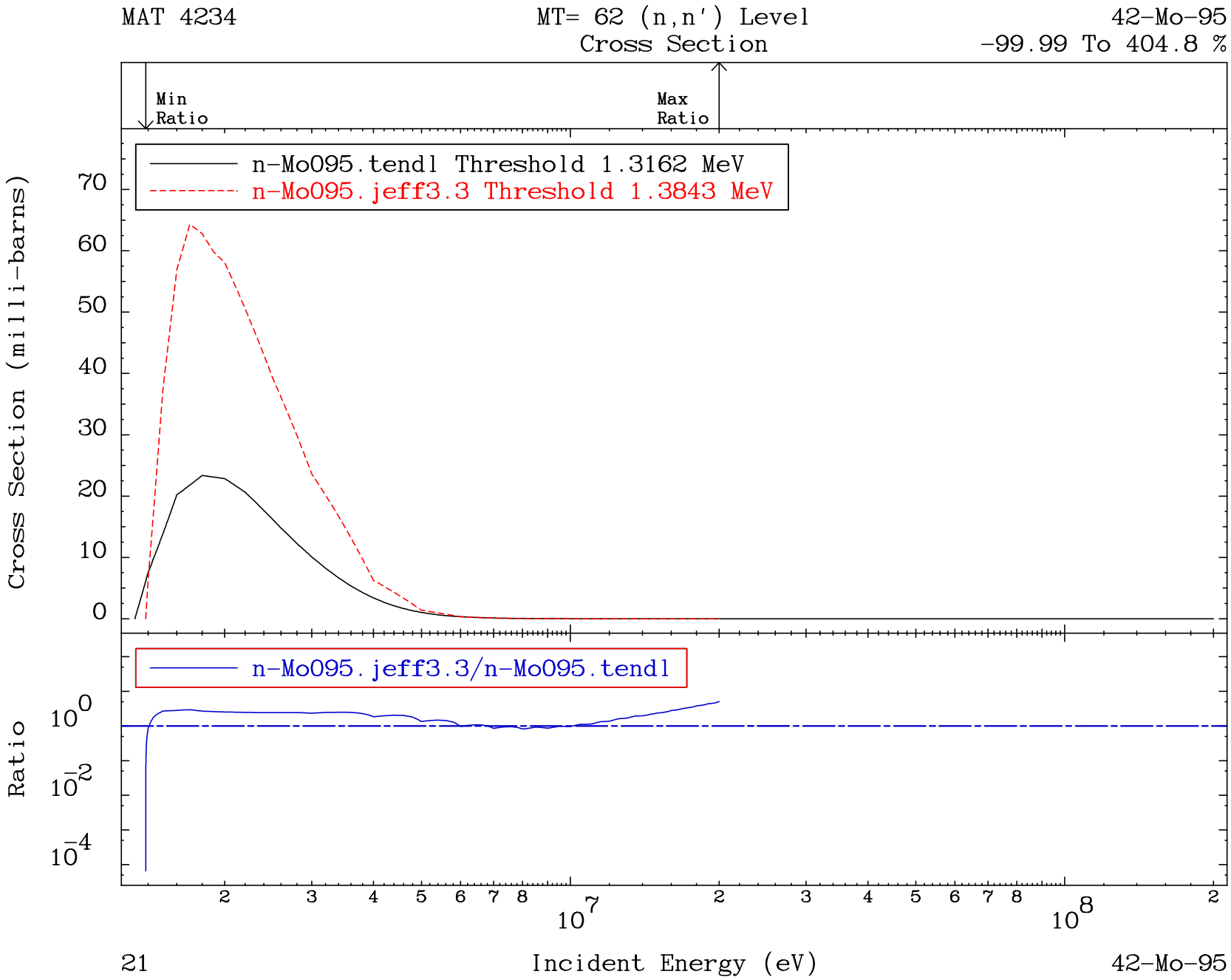

MAT 4234
MT= 57 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -0.864%
Max
Ratio
Min
Ratio
n-Mo095.tendl Threshold 957.76 keV
n-Mo095.jeff3.3 Threshold 1.0680 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
10^-6
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
42-Mo-95

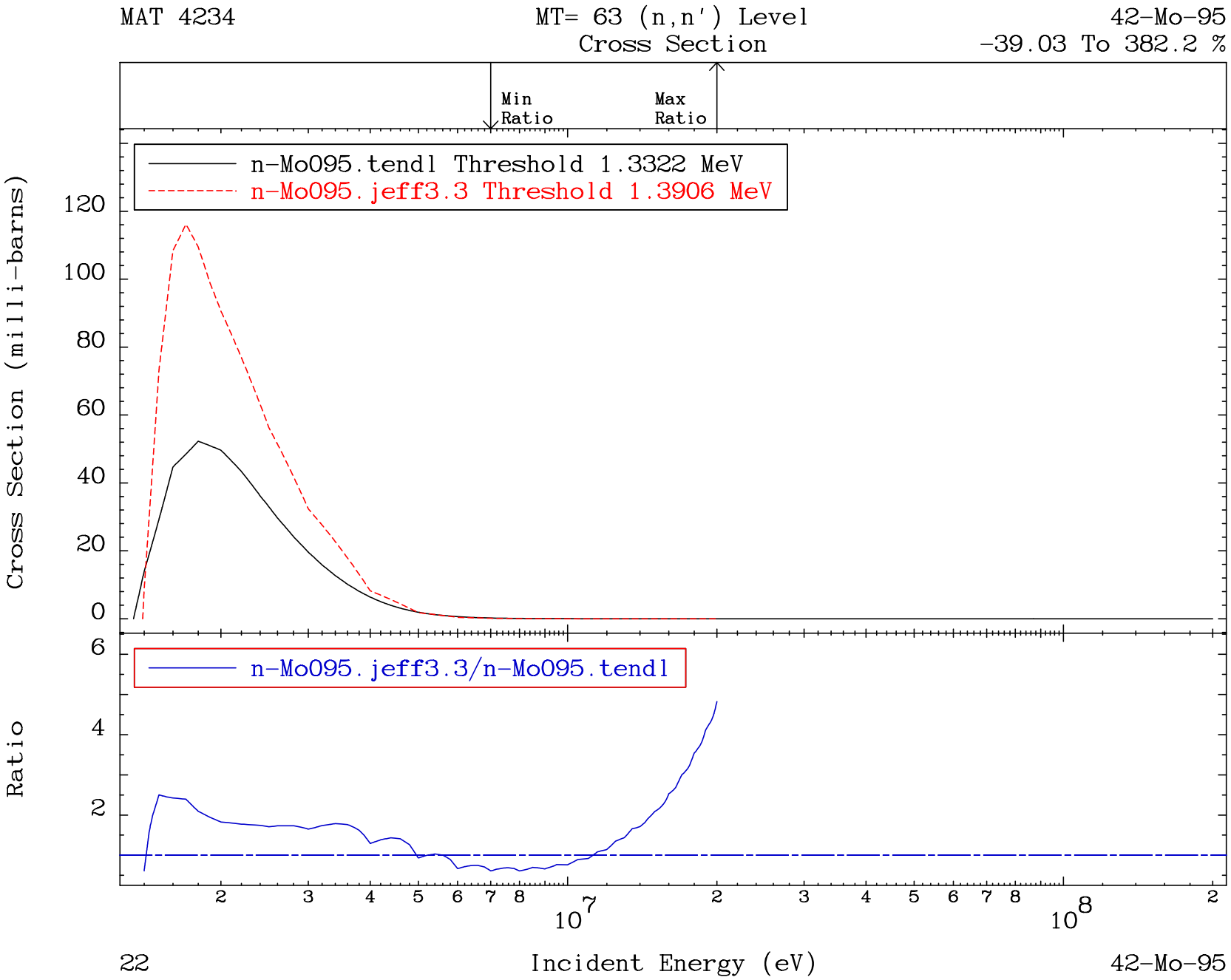

MAT 4234
MT= 58 (n,n') Level
Cross Section
42-Mo-95
-100.0 To 495.3 %
Max
Ratio
Min
Ratio
n-Mo095.tendl Threshold 1.0503 MeV
n-Mo095.jeff3.3 Threshold 1.0851 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^2
10^0
10^-2
10^-4
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
42-Mo-95

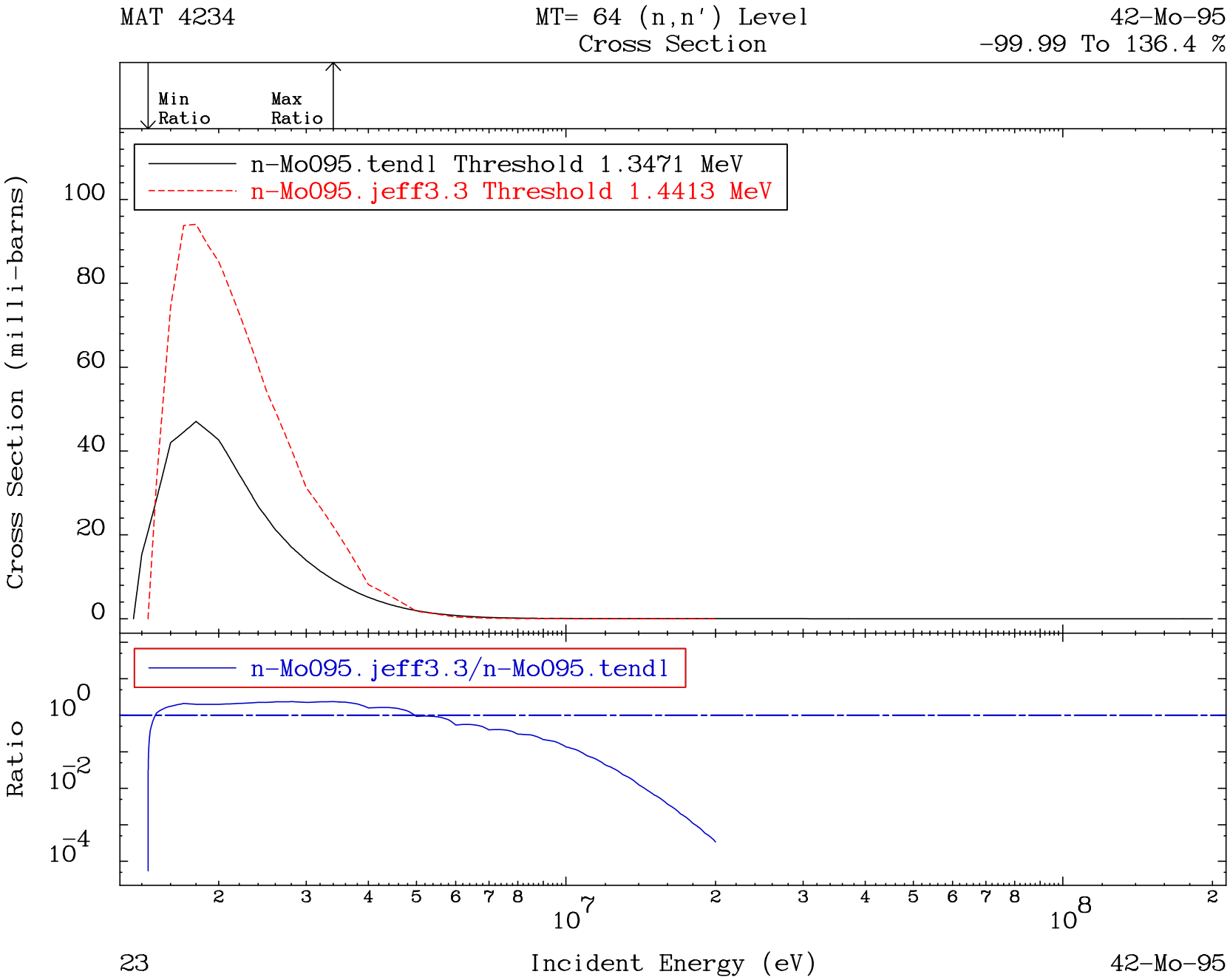

MAT 4234
MT= 59 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -13.58%
Max Ratio
Min Ratio
n-Mo095.tendl Threshold 1.0680 MeV
n-Mo095.jeff3.3 Threshold 1.1036 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
10^-6
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
42-Mo-95

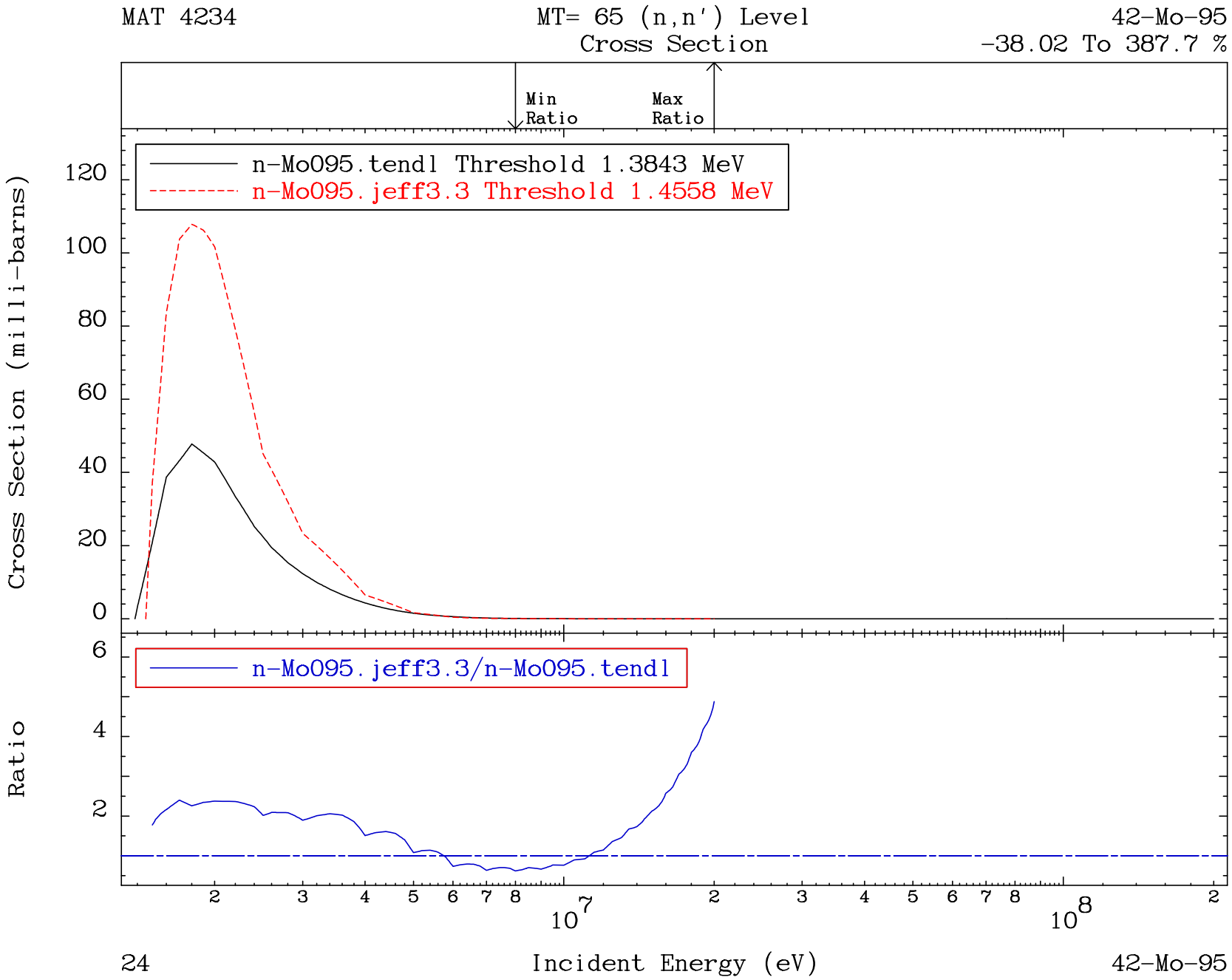

MAT 4234
MT= 60 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -76.33%
Max
Ratio
Min
Ratio
n-Mo095.tendl Threshold 1.0851 MeV
n-Mo095.jeff3.3 Threshold 1.3164 MeV
Cross Section (milli-barns)
150
100
50
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
10^-6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
42-Mo-95

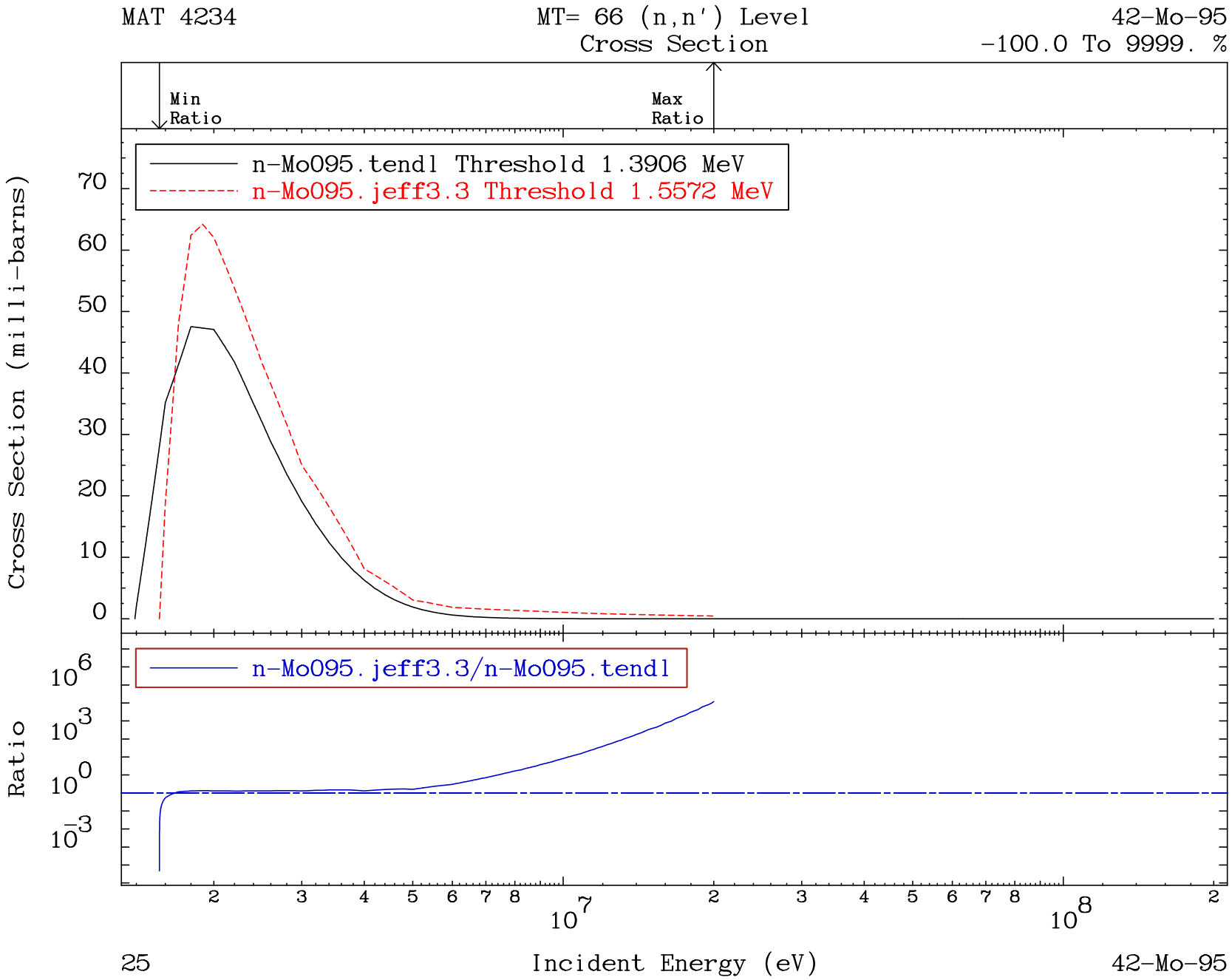

MAT 4234
MT= 61 (n,n') Level
Cross Section
42-Mo-95
-76.04 To 160.0 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.1036 MeV
n-Mo095.jeff3.3 Threshold 1.3381 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
4
2
6
4
2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
42-Mo-95

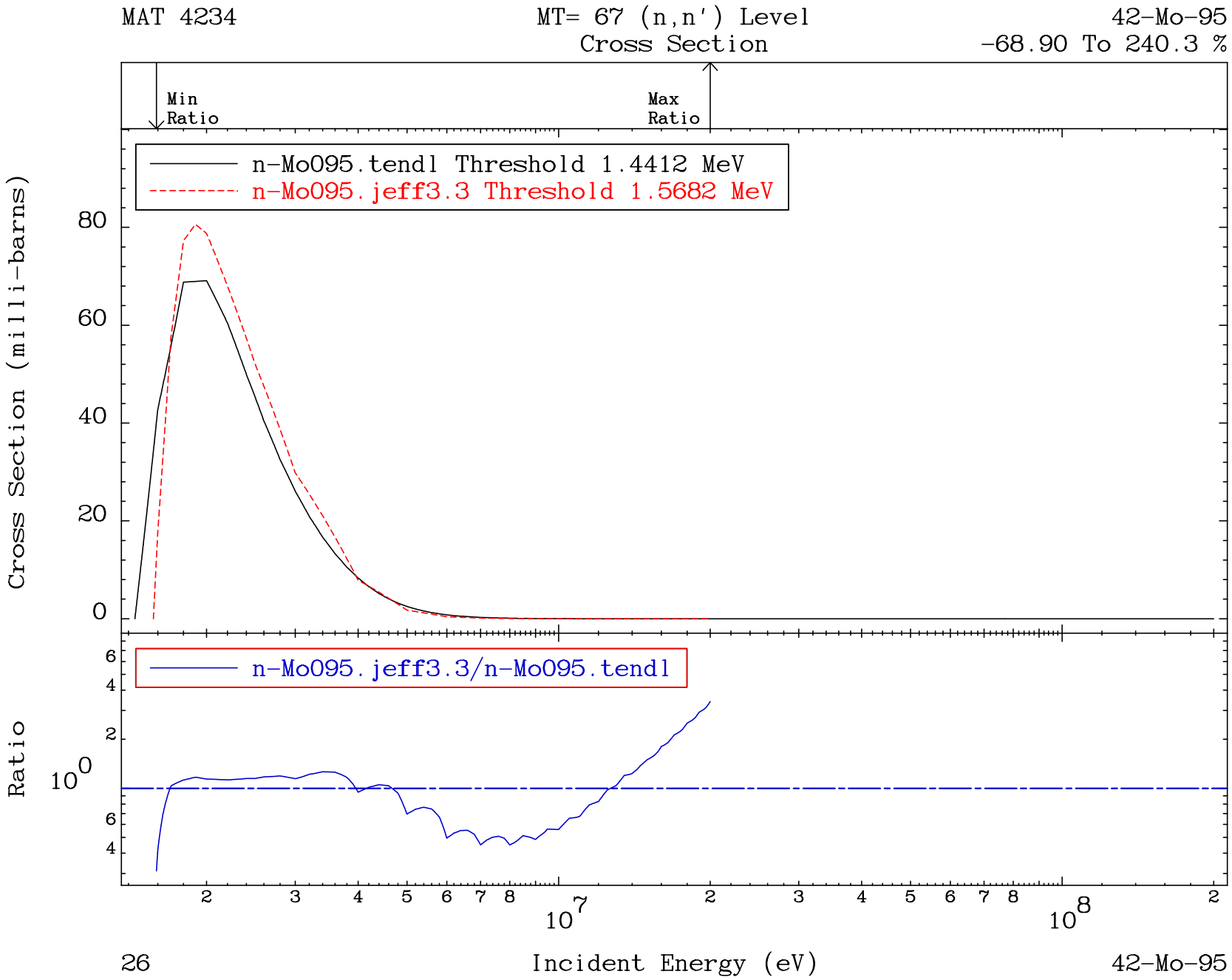

MAT 4234
MT= 62 (n,n') Level
Cross Section
42-Mo-95
-99.99 To 404.8 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.3162 MeV
n-Mo095.jeff3.3 Threshold 1.3843 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
42-Mo-95

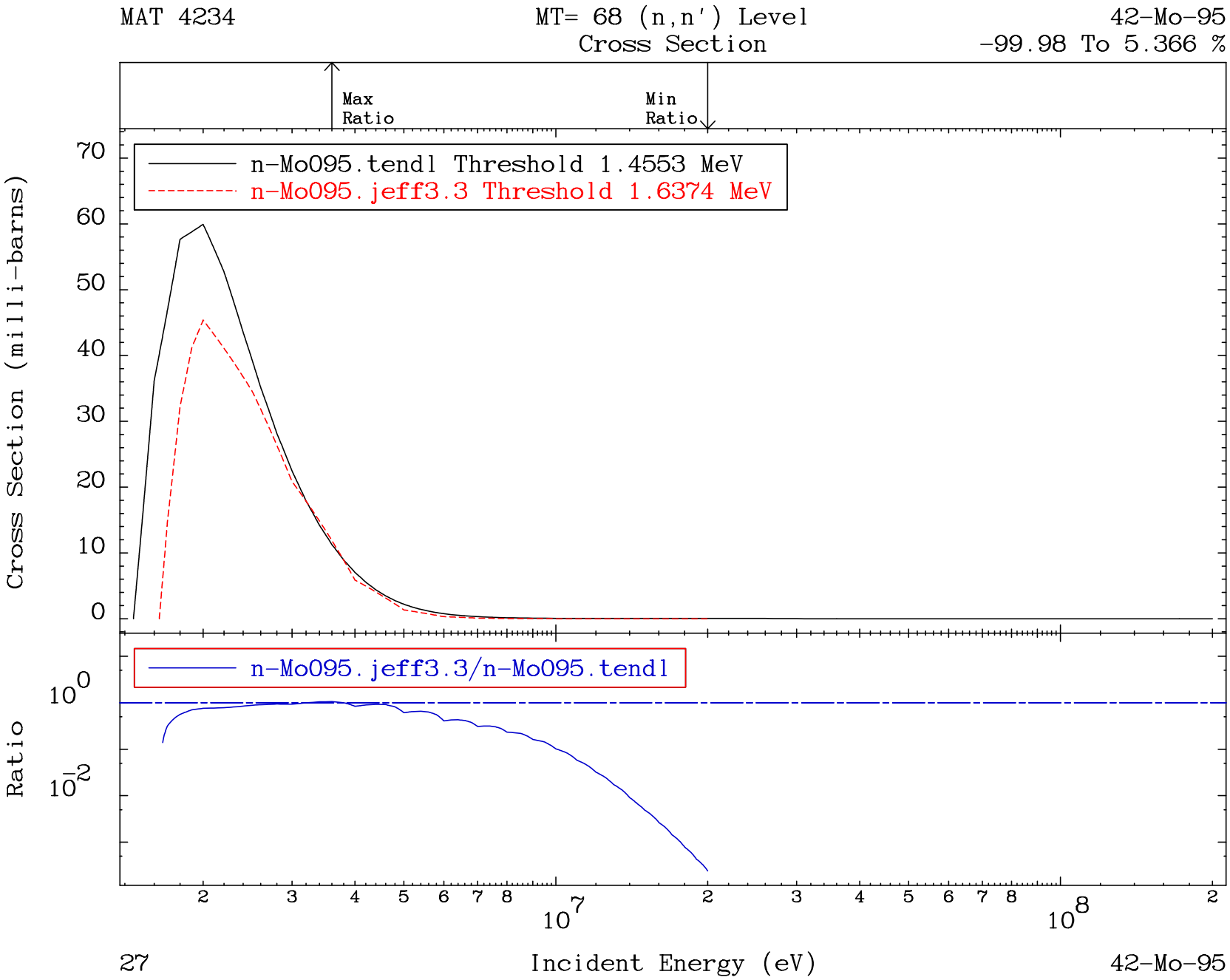

MAT 4234
MT= 63 (n,n') Level
Cross Section
42-Mo-95
-39.03 To 382.2 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.3322 MeV
n-Mo095.jeff3.3 Threshold 1.3906 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
6
4
2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
42-Mo-95

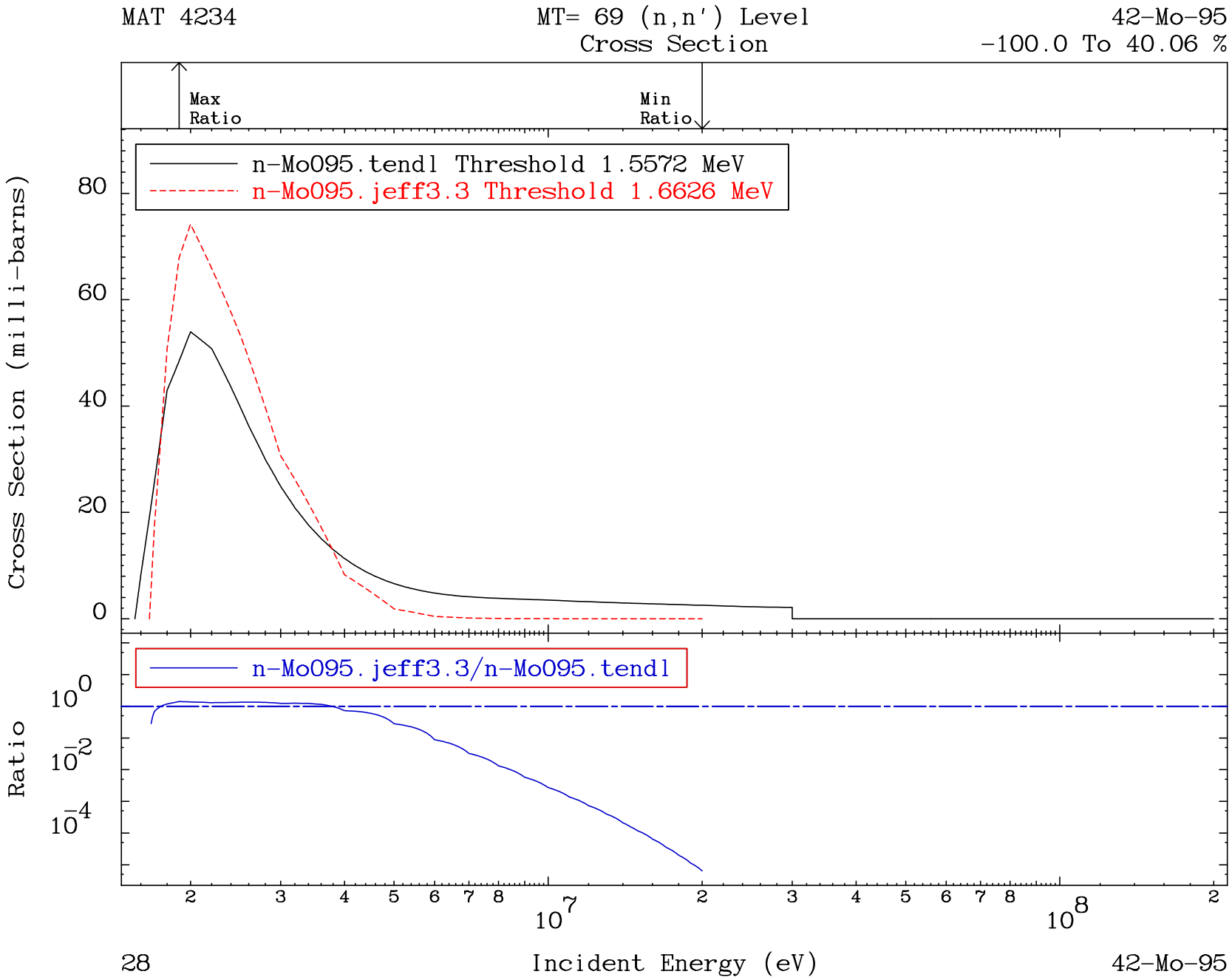

MAT 4234
MT= 64 (n,n') Level
Cross Section
42-Mo-95
-99.99 To 136.4 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.3471 MeV
n-Mo095.jeff3.3 Threshold 1.4413 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
42-Mo-95

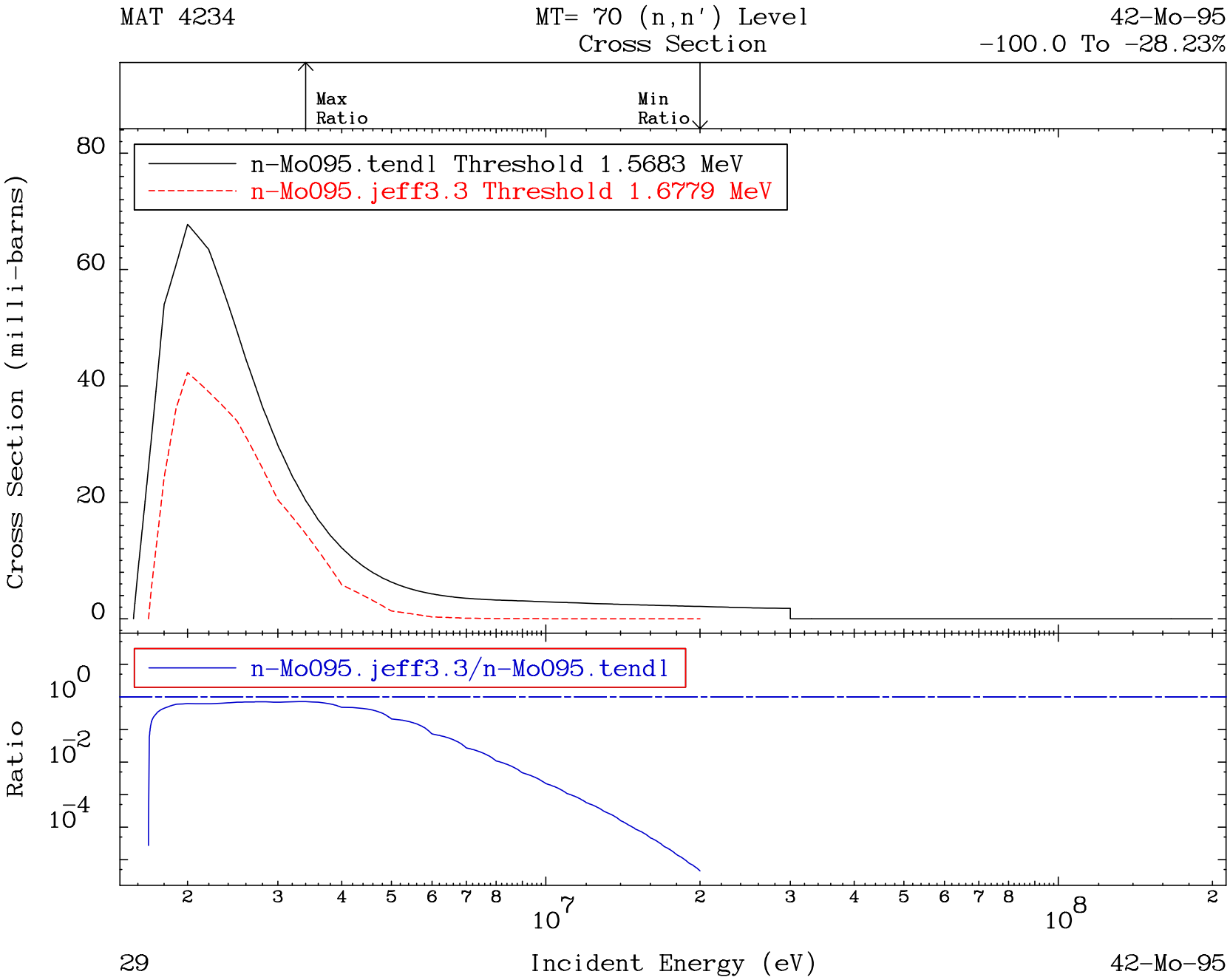

MAT 4234
MT= 65 (n,n') Level
Cross Section
42-Mo-95
-38.02 To 387.7 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.3843 MeV
n-Mo095.jeff3.3 Threshold 1.4558 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
6
4
2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
42-Mo-95

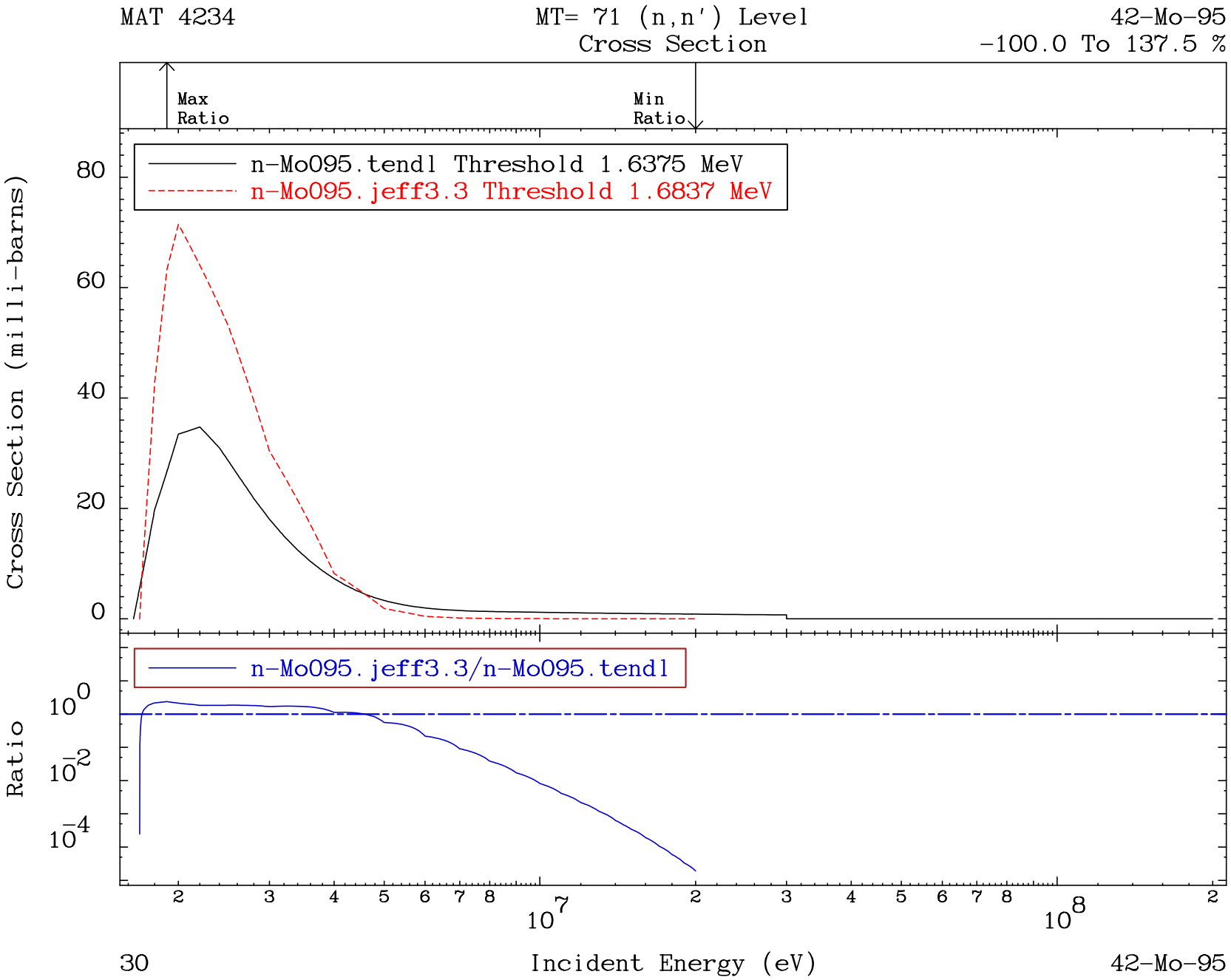

MAT 4234
MT= 66 (n,n') Level
Cross Section
42-Mo-95
-100.0 To 9999. %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.3906 MeV
n-Mo095.jeff3.3 Threshold 1.5572 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^6
10^3
10^0
10^-3
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
42-Mo-95

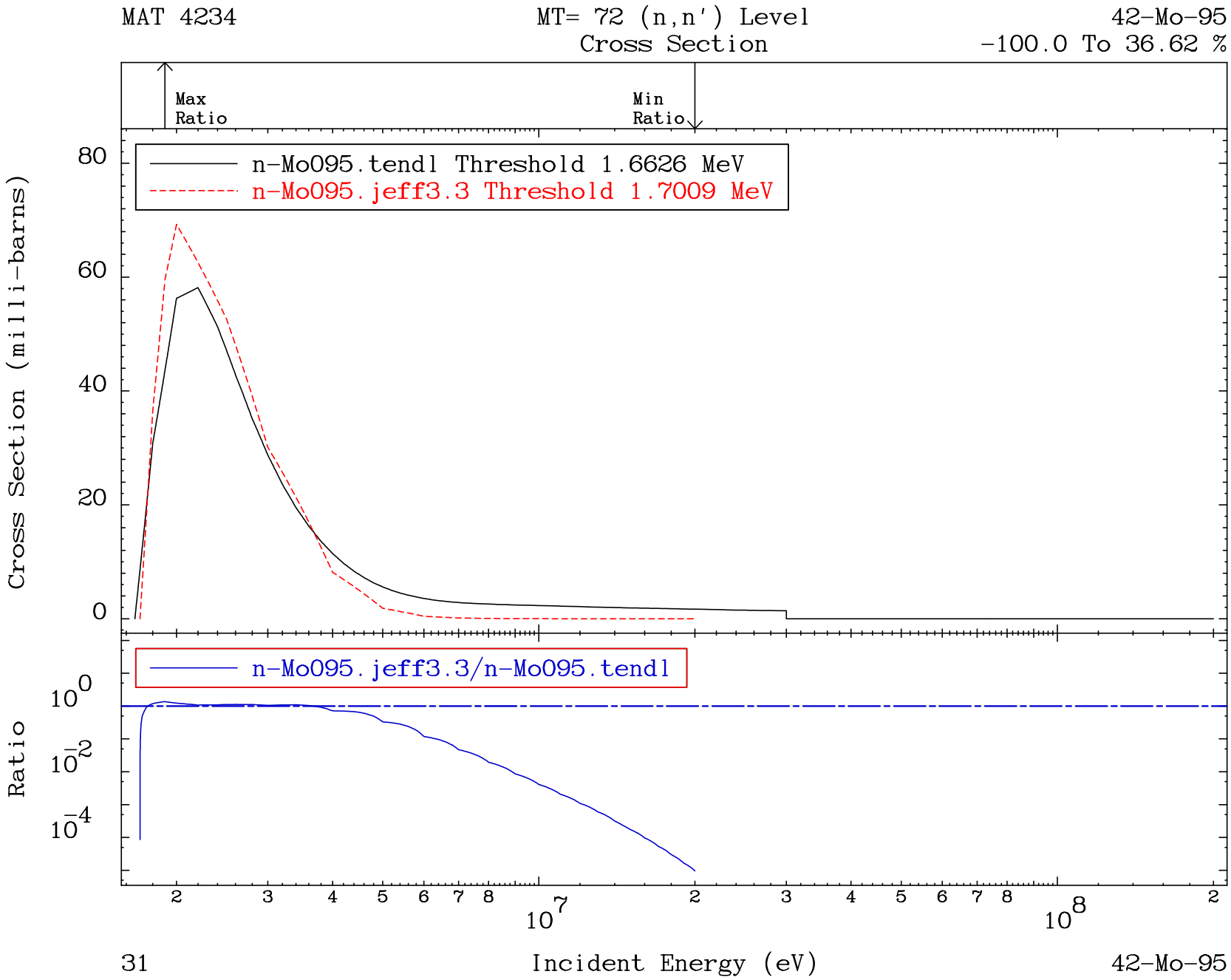

MAT 4234
MT= 67 (n,n') Level
Cross Section
42-Mo-95
-68.90 To 240.3 %
Min
Ratio
Max
Ratio
n-Mo095.tendl Threshold 1.4412 MeV
n-Mo095.jeff3.3 Threshold 1.5682 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
6
4
2
6
4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
42-Mo-95

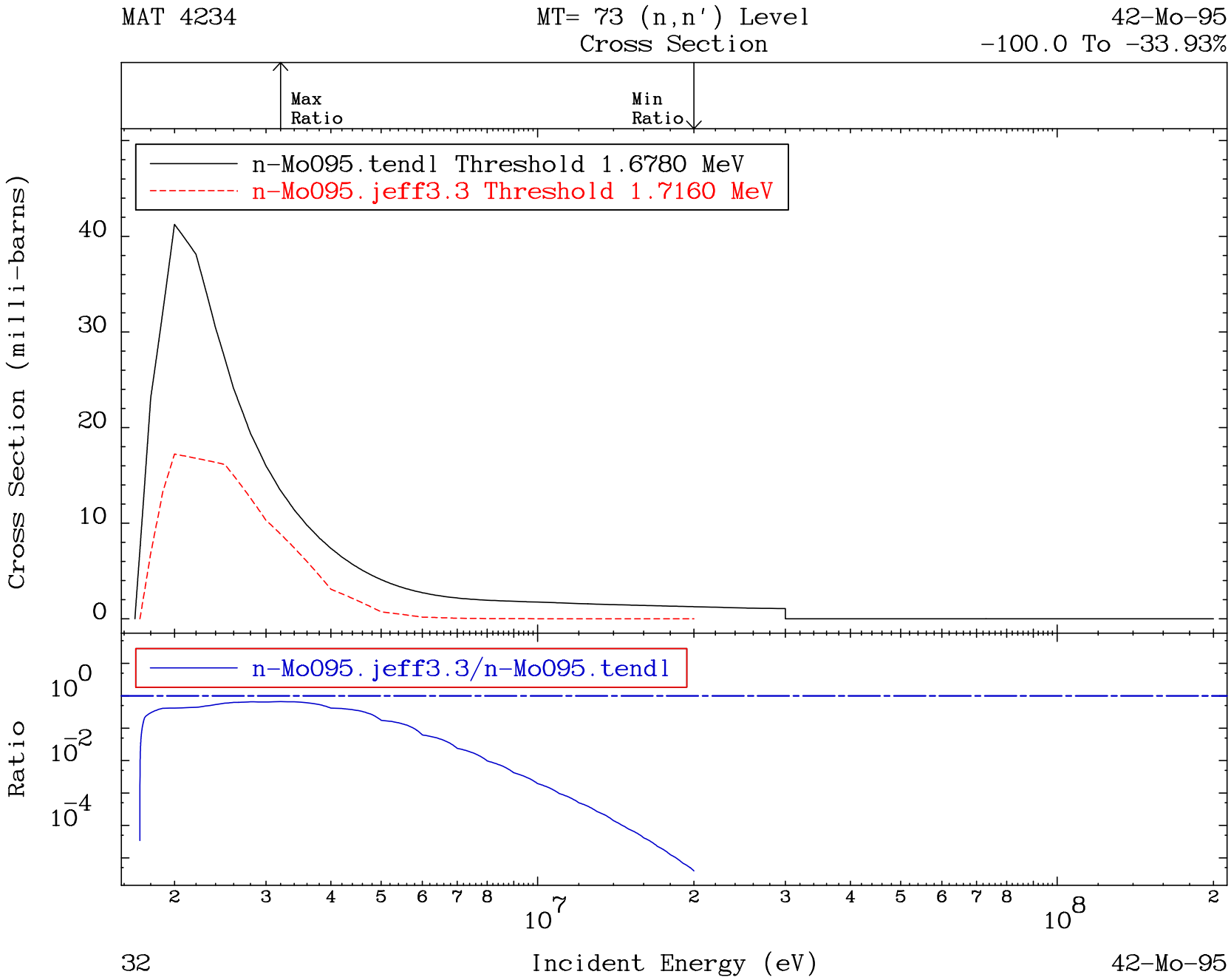

MAT 4234
MT= 68 (n,n') Level
Cross Section
42-Mo-95
-99.98 To 5.366 %
Max
Ratio
Min
Ratio
n-Mo095.tendl Threshold 1.4553 MeV
n-Mo095.jeff3.3 Threshold 1.6374 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
27
Incident Energy (eV)
42-Mo-95

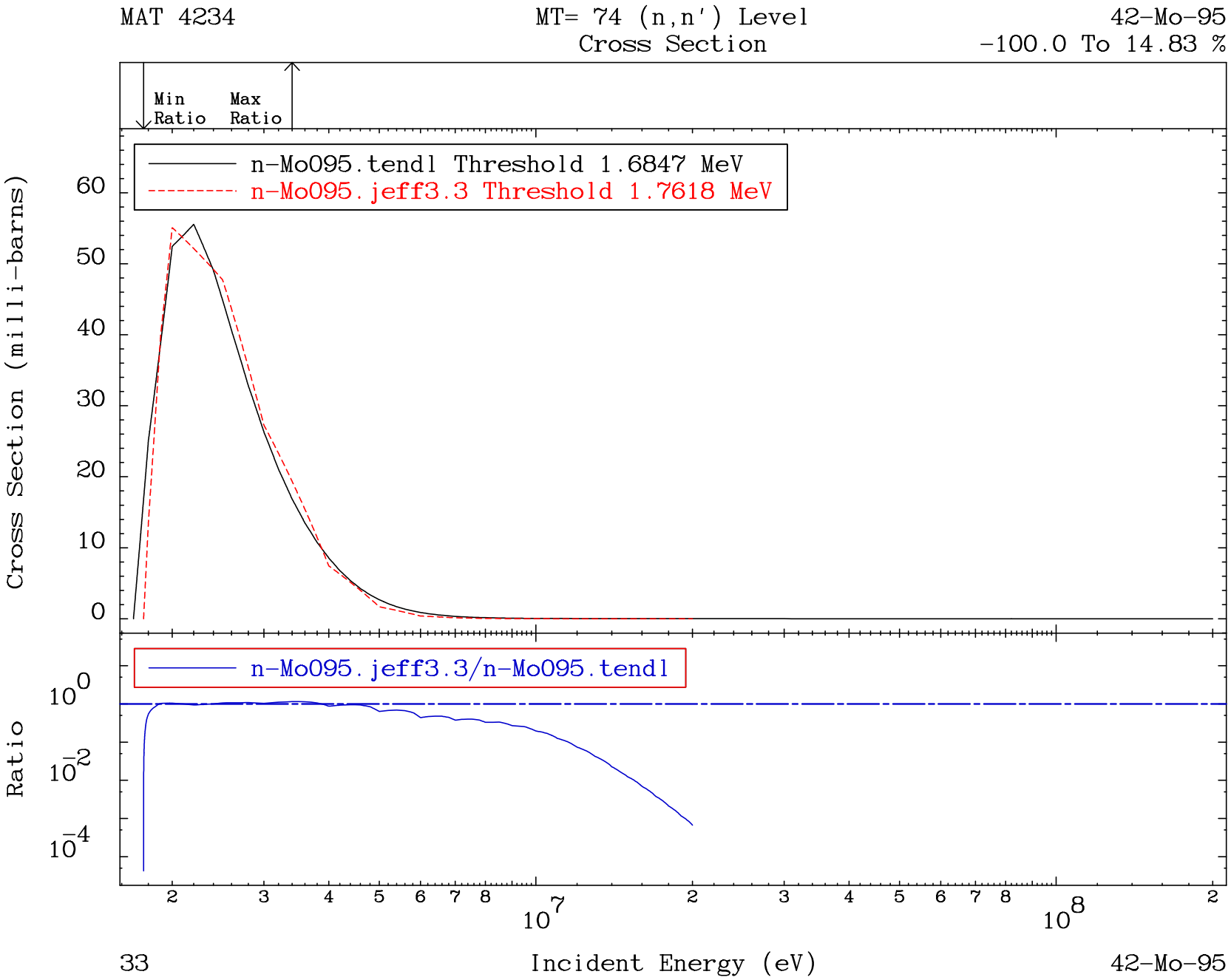

MAT 4234
MT= 69 (n,n') Level
Cross Section
42-Mo-95
-100.0 To 40.06 %
Max Ratio
Min Ratio
n-Mo095.tendl Threshold 1.5572 MeV
n-Mo095.jeff3.3 Threshold 1.6626 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
42-Mo-95

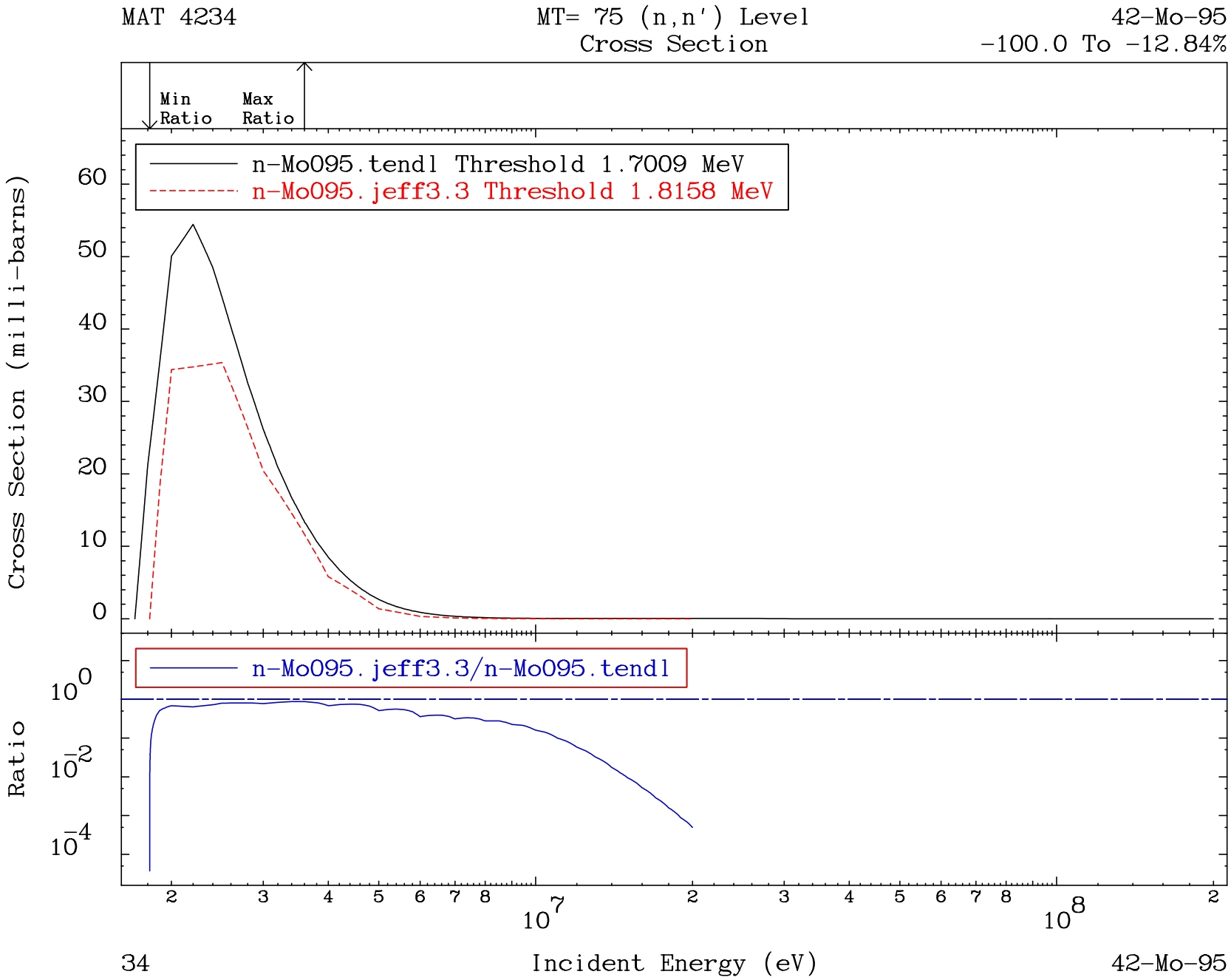

MAT 4234
MT= 70 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -28.23%
Max Ratio
Min Ratio
n-Mo095.tendl Threshold 1.5683 MeV
n-Mo095.jeff3.3 Threshold 1.6779 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
42-Mo-95

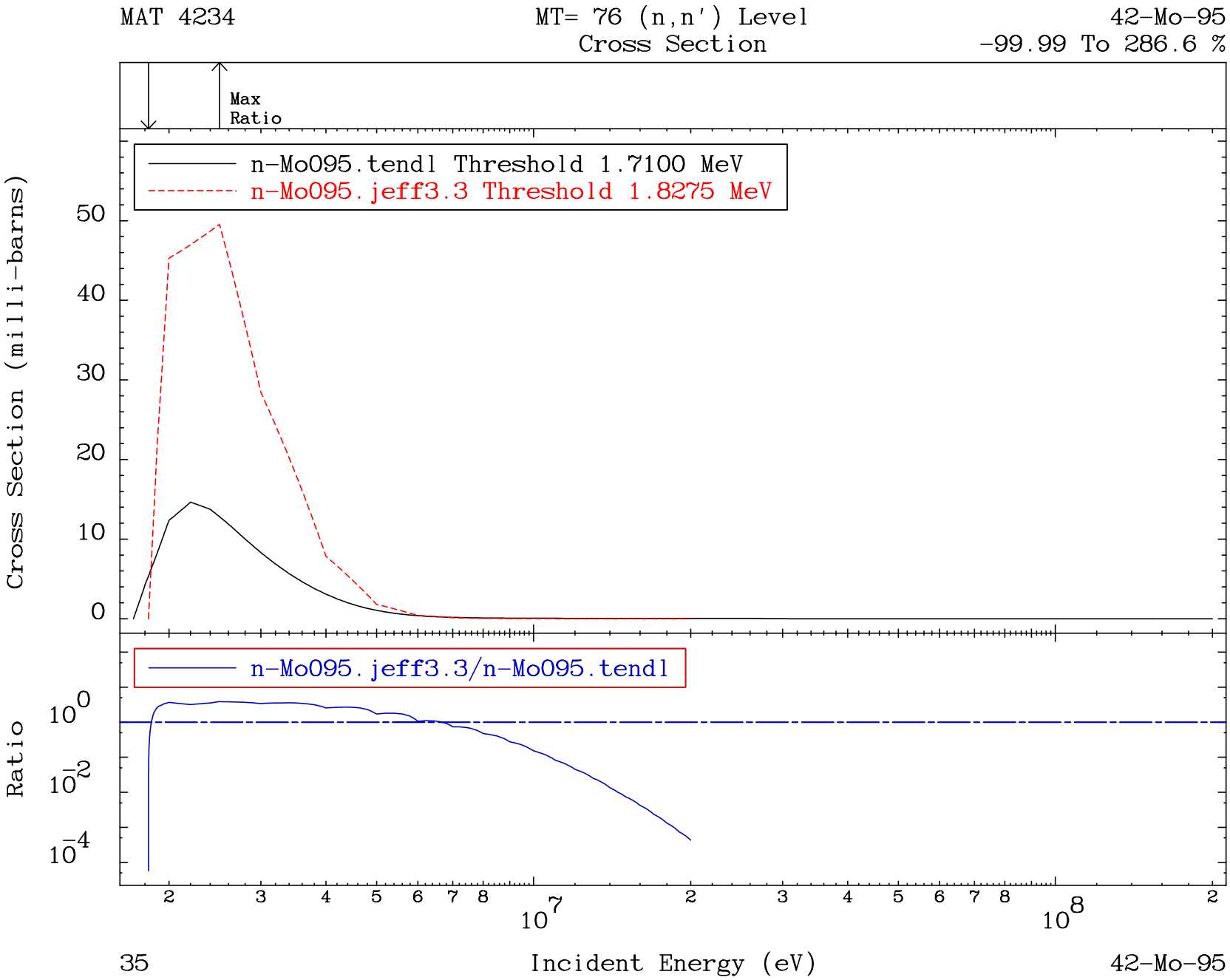

MAT 4234
MT= 71 (n,n') Level
Cross Section
42-Mo-95
-100.0 To 137.5 %
Max Ratio
Min Ratio
n-Mo095.tendl Threshold 1.6375 MeV
n-Mo095.jeff3.3 Threshold 1.6837 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
42-Mo-95

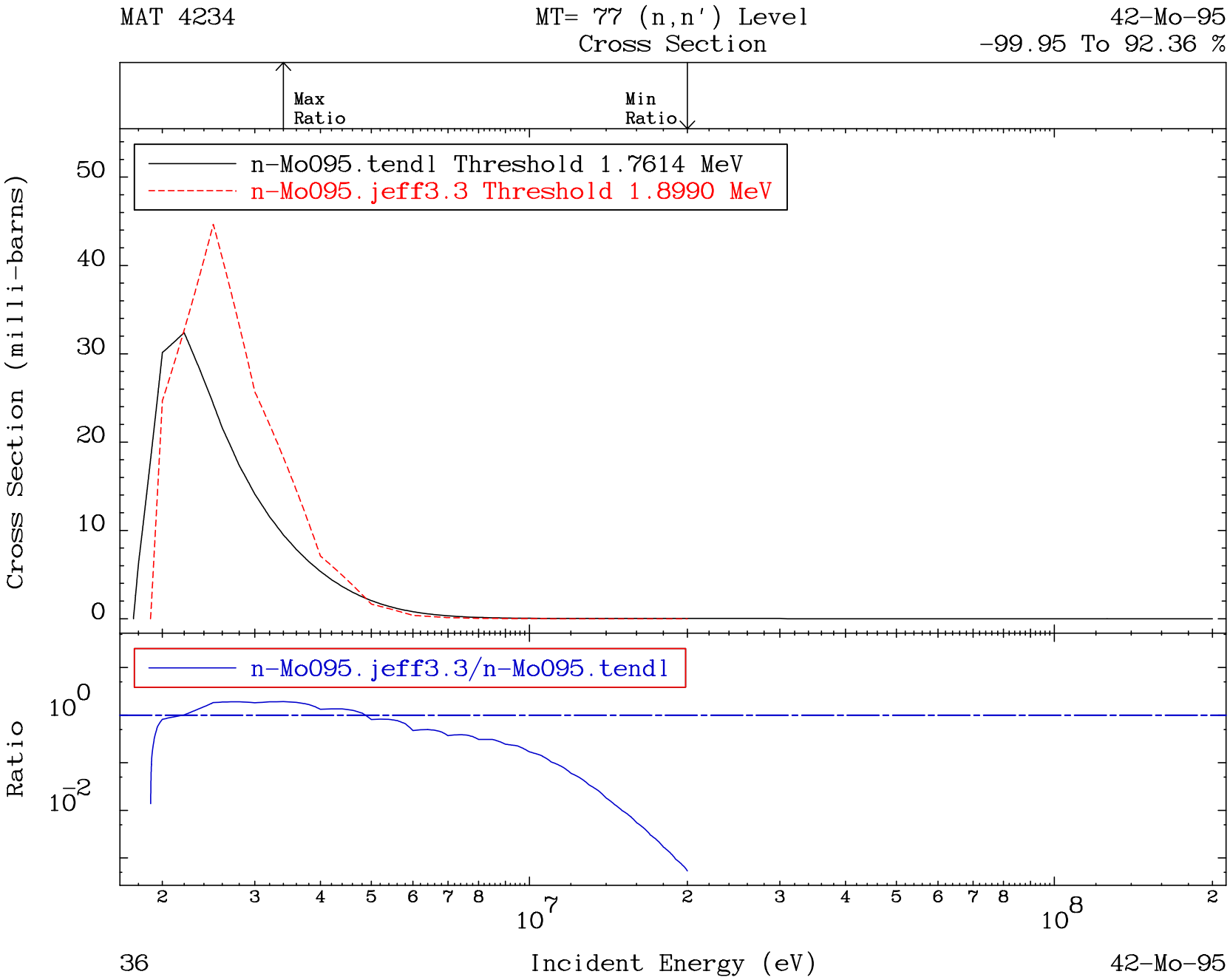

MAT 4234
MT= 72 (n,n') Level
Cross Section
42-Mo-95
-100.0 To 36.62 %
Max Ratio
Min Ratio
n-Mo095.tendl Threshold 1.6626 MeV
n-Mo095.jeff3.3 Threshold 1.7009 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
42-Mo-95

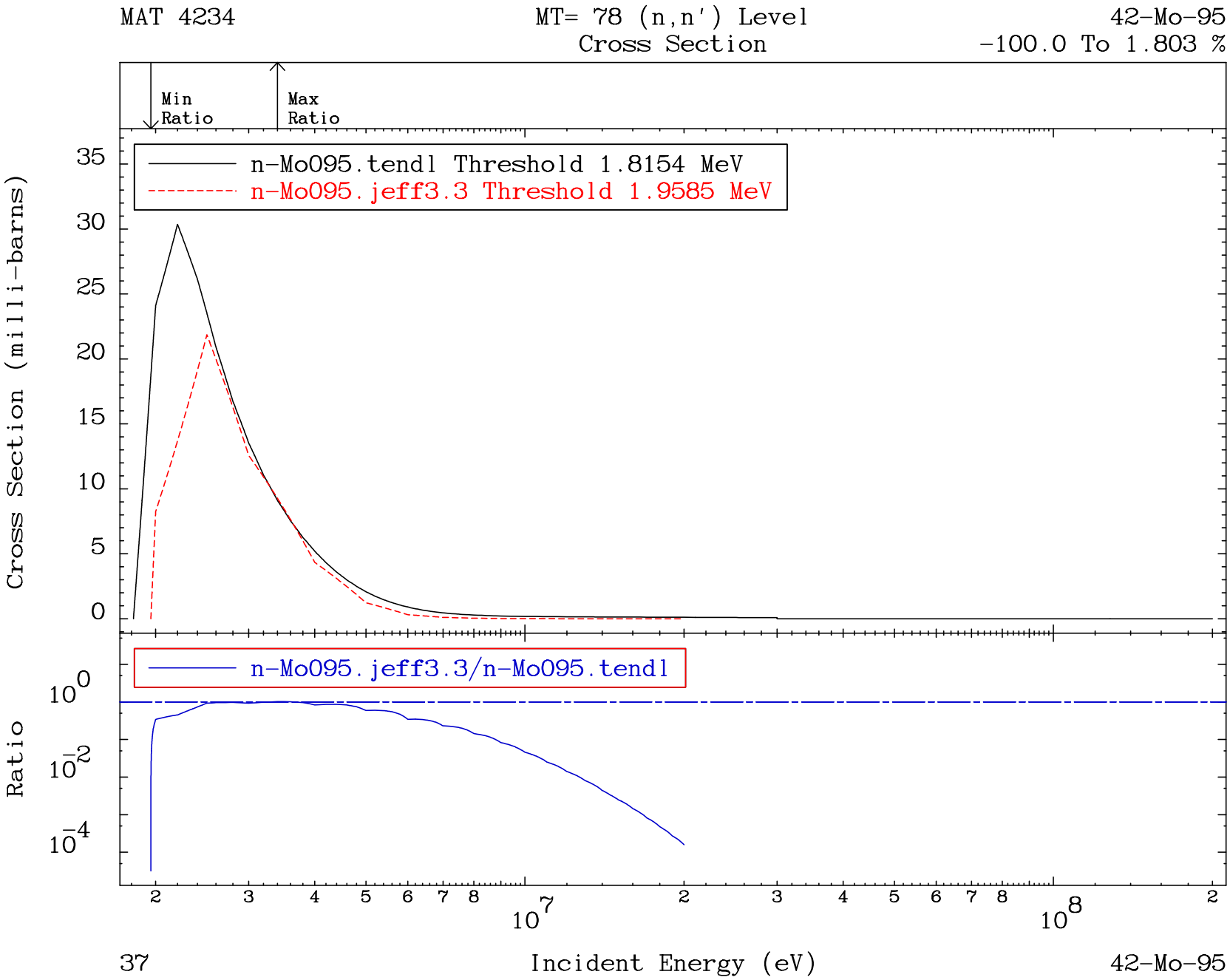

MAT 4234
MT= 73 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -33.93%
Max
Ratio
Min
Ratio
n-Mo095.tendl Threshold 1.6780 MeV
n-Mo095.jeff3.3 Threshold 1.7160 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
32
Incident Energy (eV)
42-Mo-95

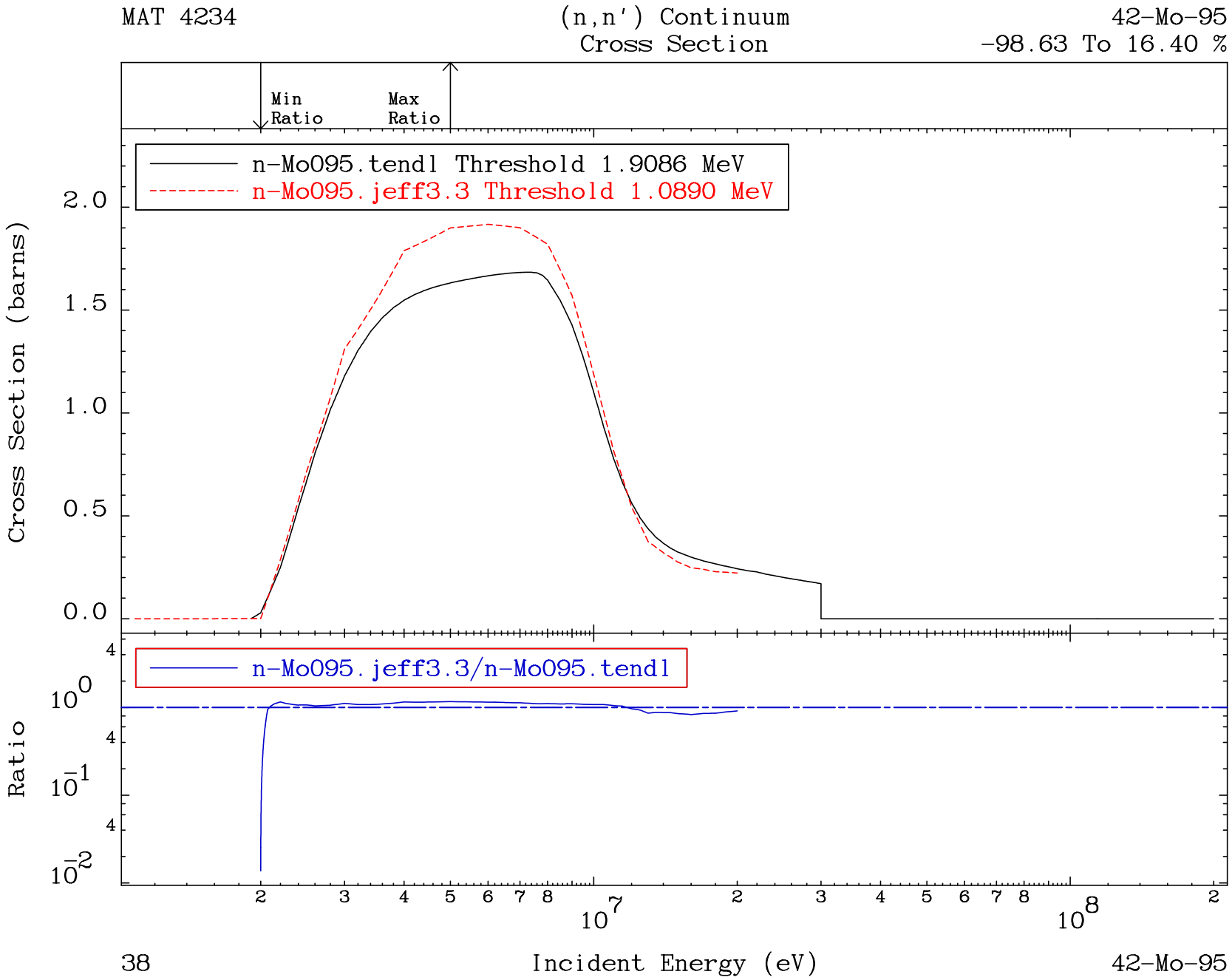

MAT 4234
MT= 74 (n,n') Level
Cross Section
42-Mo-95
-100.0 To 14.83 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.6847 MeV
n-Mo095.jeff3.3 Threshold 1.7618 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
42-Mo-95

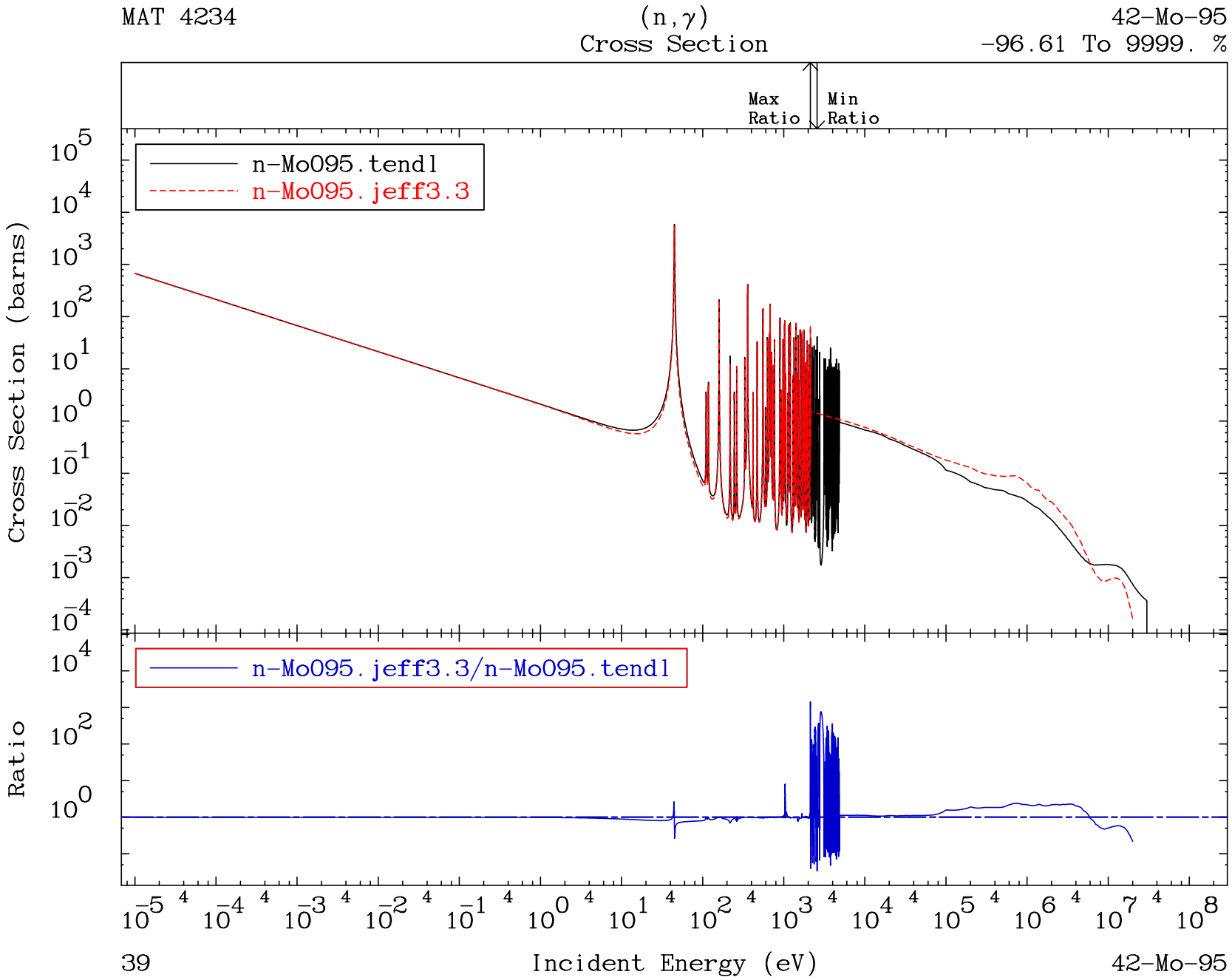

MAT 4234
MT= 75 (n,n') Level
Cross Section
42-Mo-95
-100.0 To -12.84%
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.7009 MeV
n-Mo095.jeff3.3 Threshold 1.8158 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
42-Mo-95

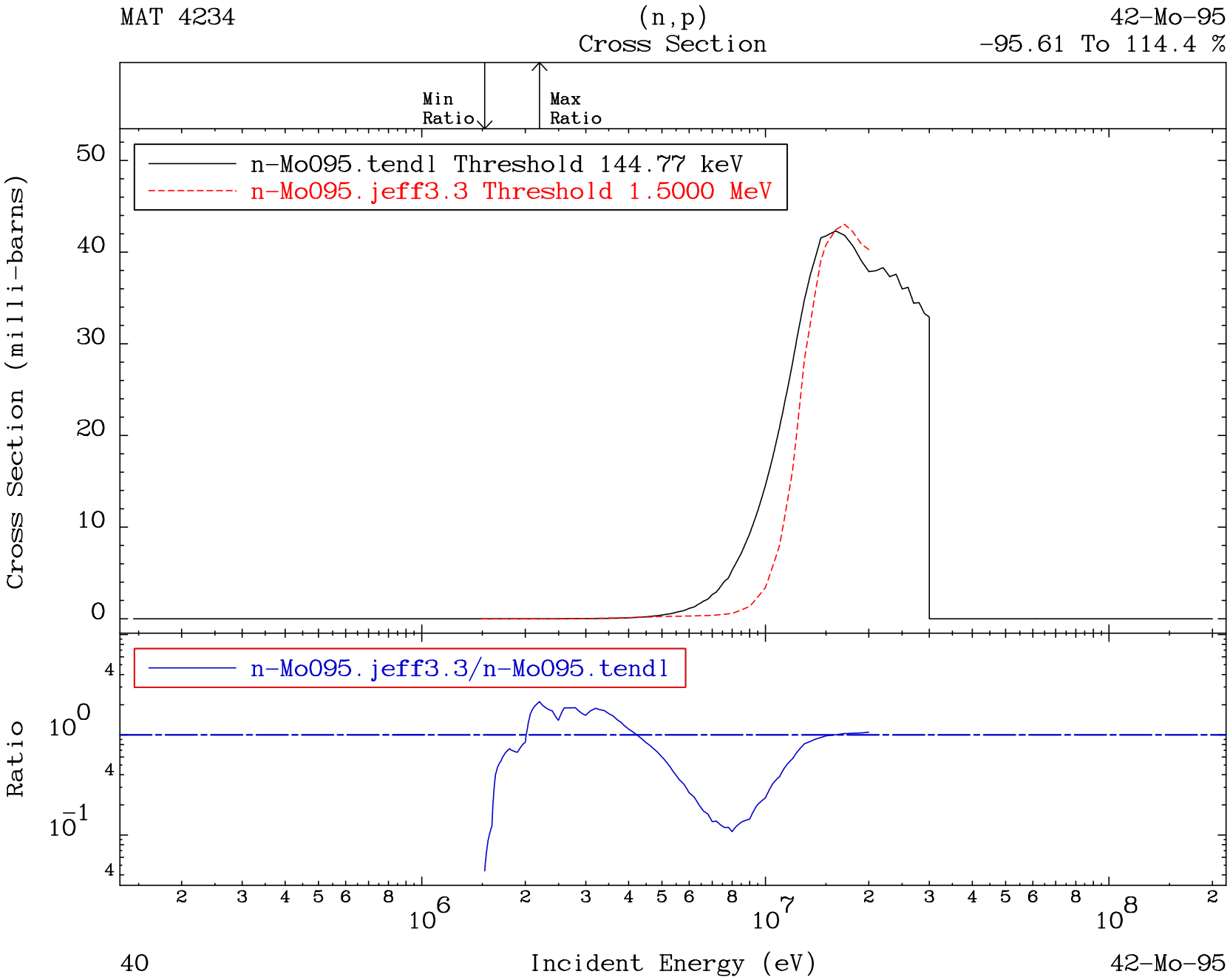

MAT 4234
MT= 76 (n,n') Level
Cross Section
42-Mo-95
-99.99 To 286.6 %
Max
Ratio
n-Mo095.tendl Threshold 1.7100 MeV
n-Mo095.jeff3.3 Threshold 1.8275 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
35
Incident Energy (eV)
42-Mo-95

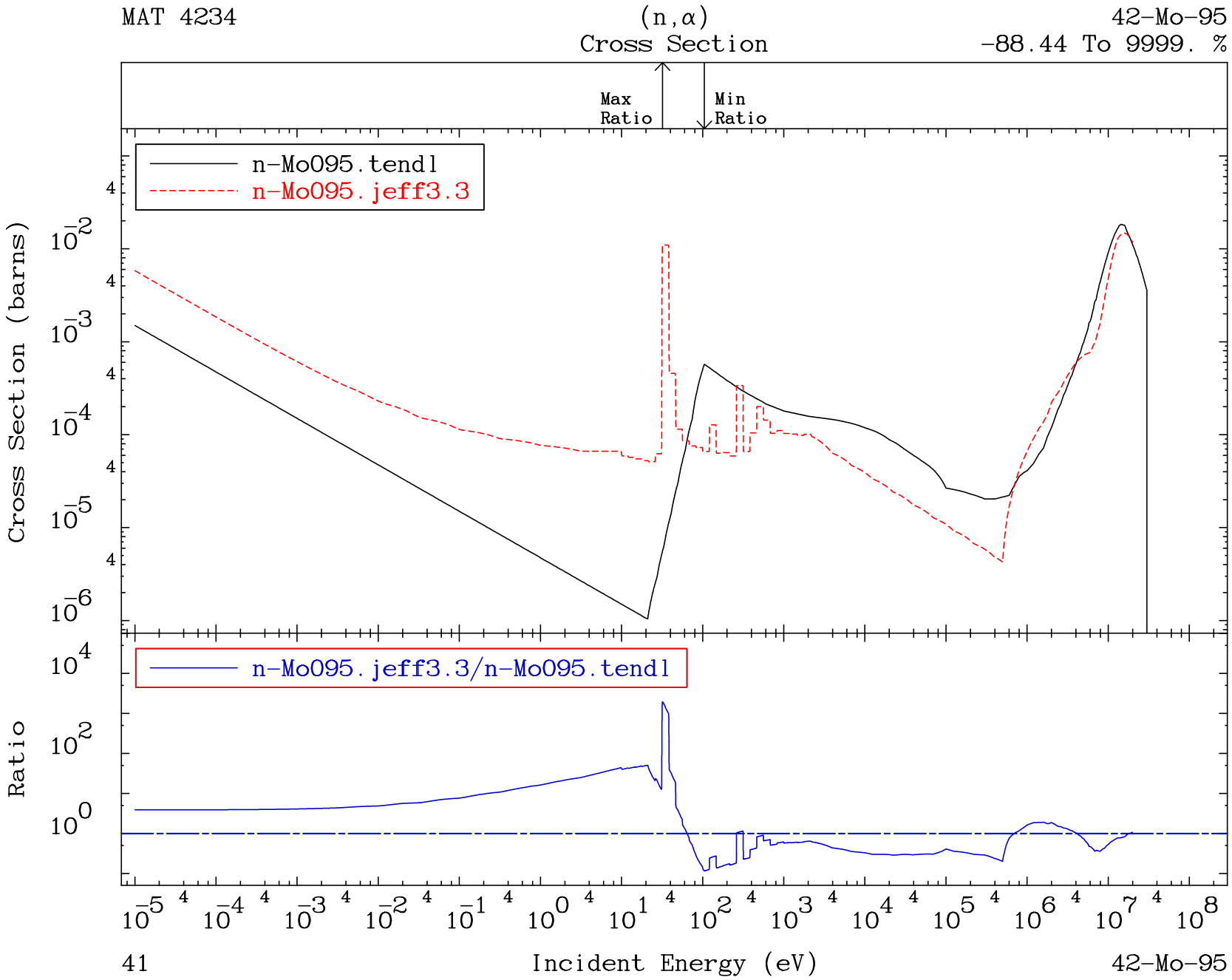

MAT 4234
MT= 77 (n,n') Level
Cross Section
42-Mo-95
-99.95 To 92.36 %
Max
Ratio
Min
Ratio
n-Mo095.tendl Threshold 1.7614 MeV
n-Mo095.jeff3.3 Threshold 1.8990 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
36
Incident Energy (eV)
42-Mo-95

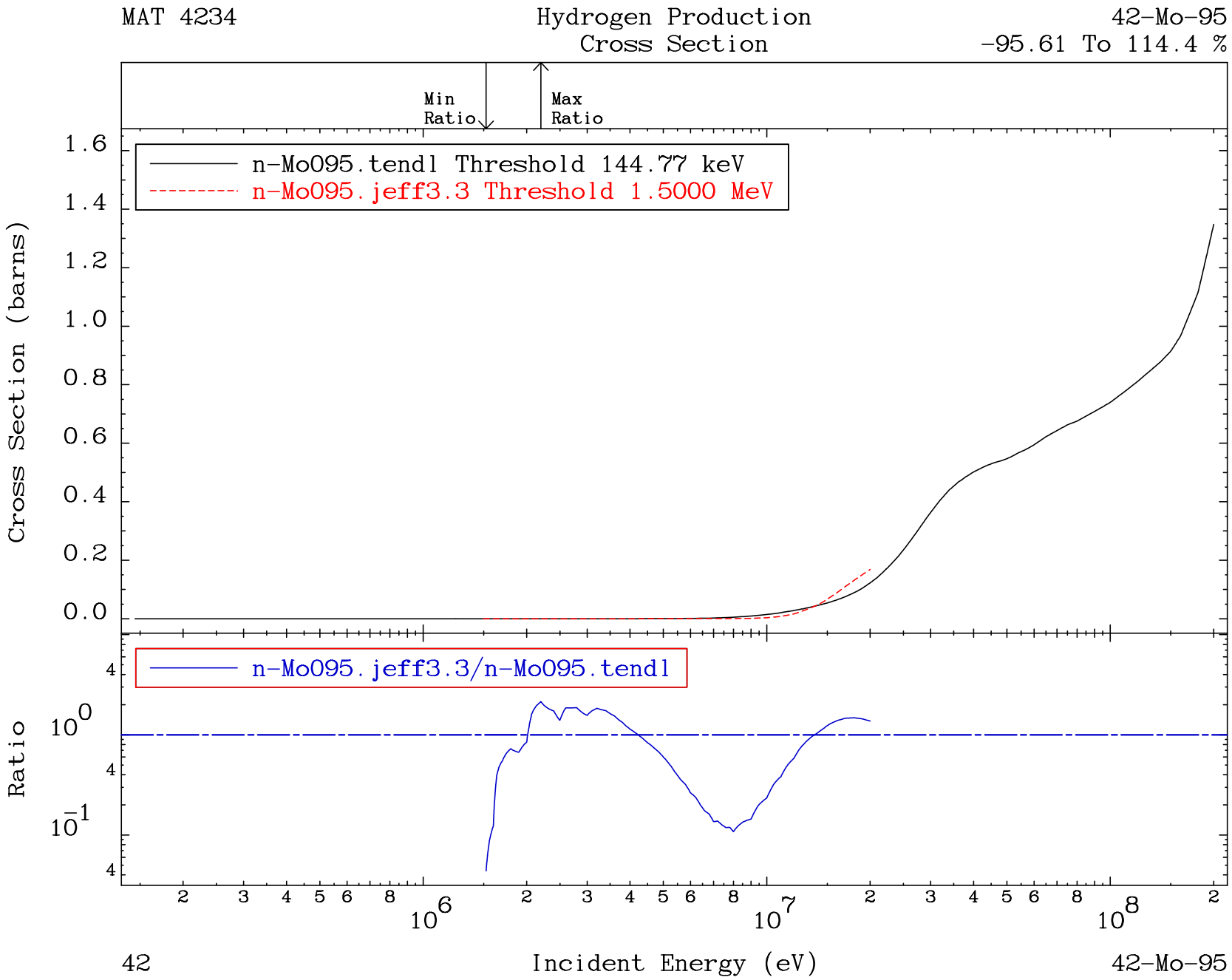

MAT 4234
MT= 78 (n,n') Level
Cross Section
42-Mo-95
-100.0 To 1.803 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.8154 MeV
n-Mo095.jeff3.3 Threshold 1.9585 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
37
Incident Energy (eV)
42-Mo-95

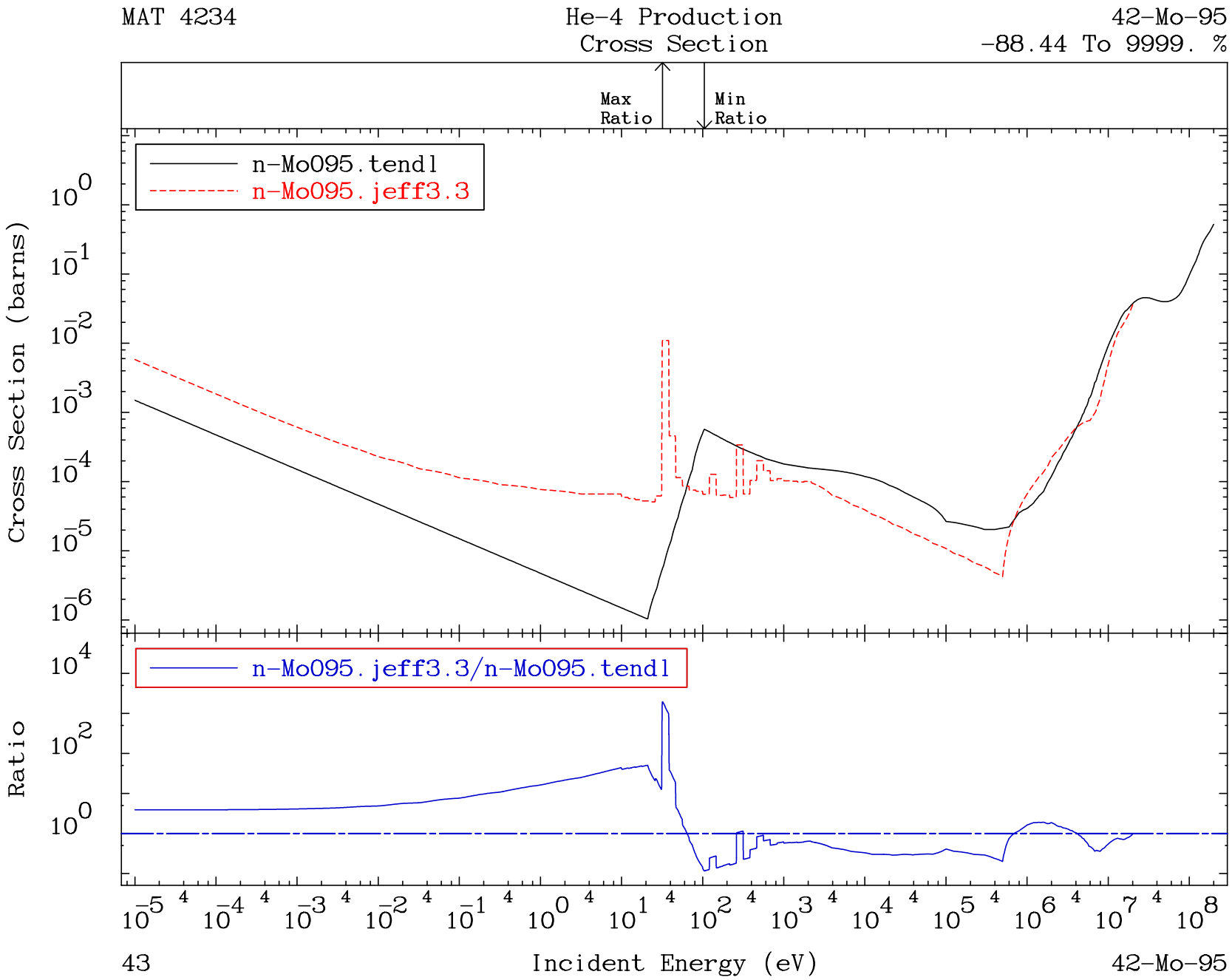

MAT 4234
(n,n') Continuum
Cross Section
42-Mo-95
-98.63 To 16.40 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 1.9086 MeV
n-Mo095.jeff3.3 Threshold 1.0890 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-1
10^-2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
42-Mo-95

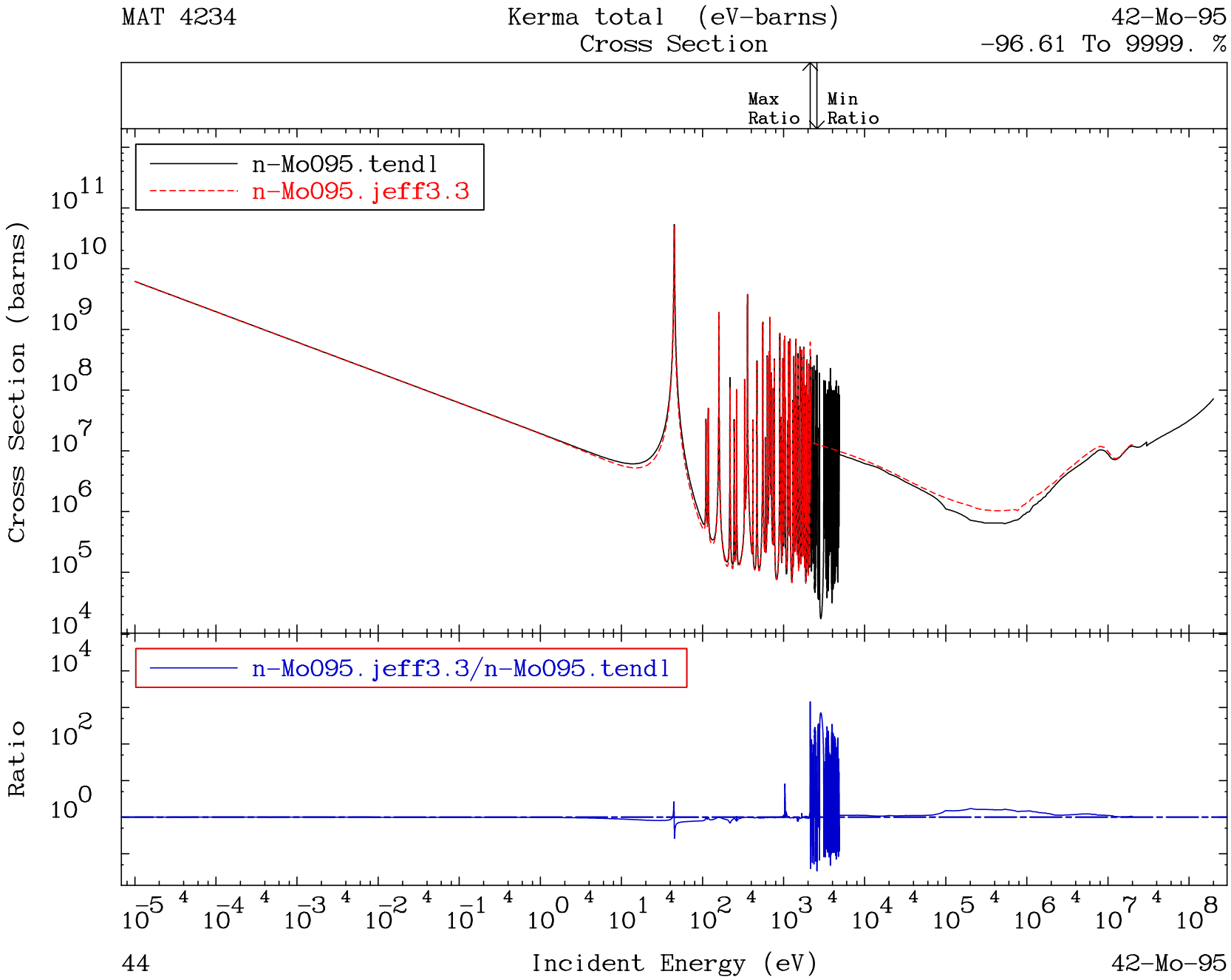

MAT 4234
(n,γ)
Cross Section
42-Mo-95
-96.61 To 9999. %
Max Ratio
Min Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
39
42-Mo-95

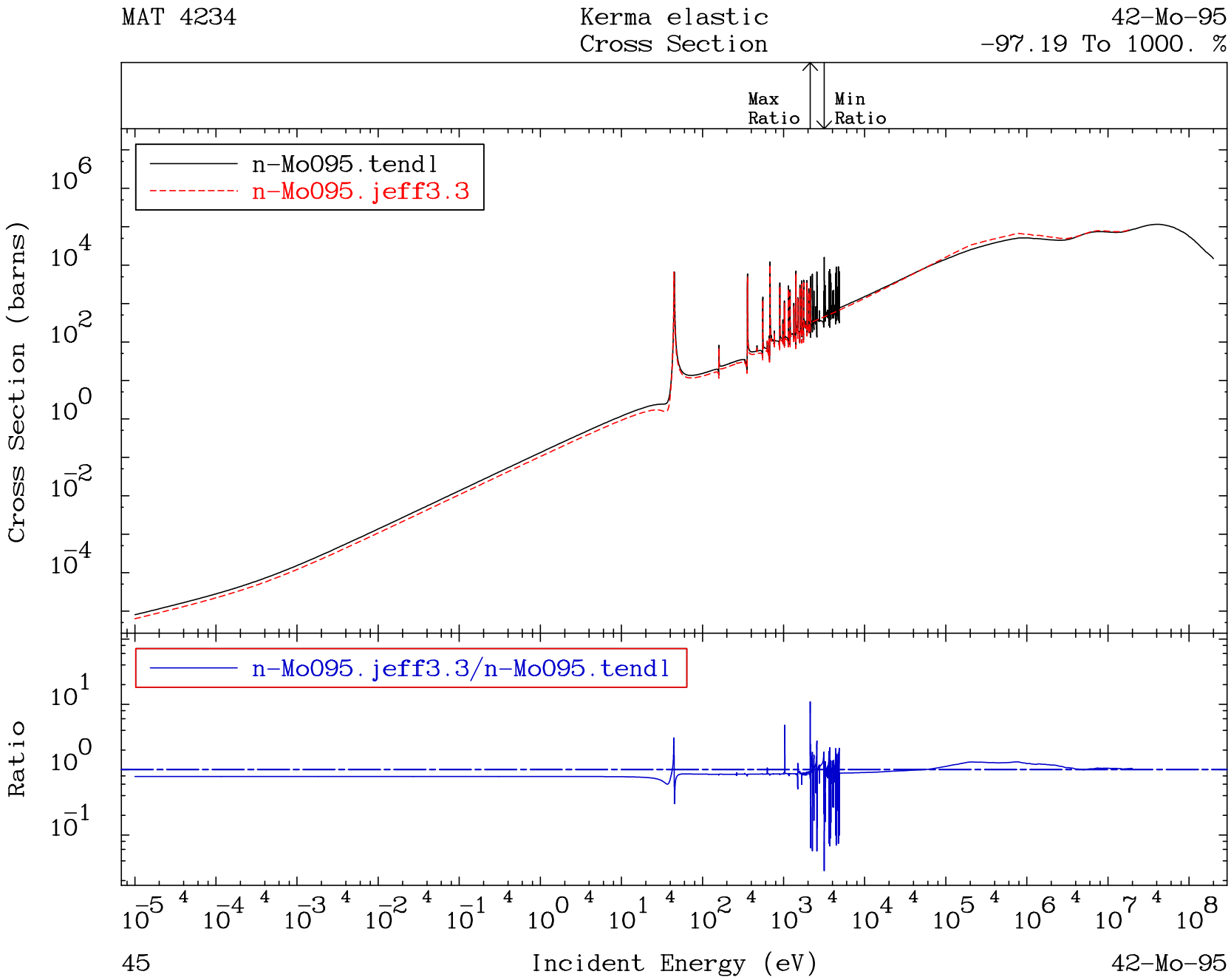

MAT 4234
(n,p)
Cross Section
42-Mo-95
-95.61 To 114.4 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 144.77 keV
n-Mo095.jeff3.3 Threshold 1.5000 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-1
4
2 3 4 5 6 8
10^6
10^7
10^8
40
Incident Energy (eV)
42-Mo-95

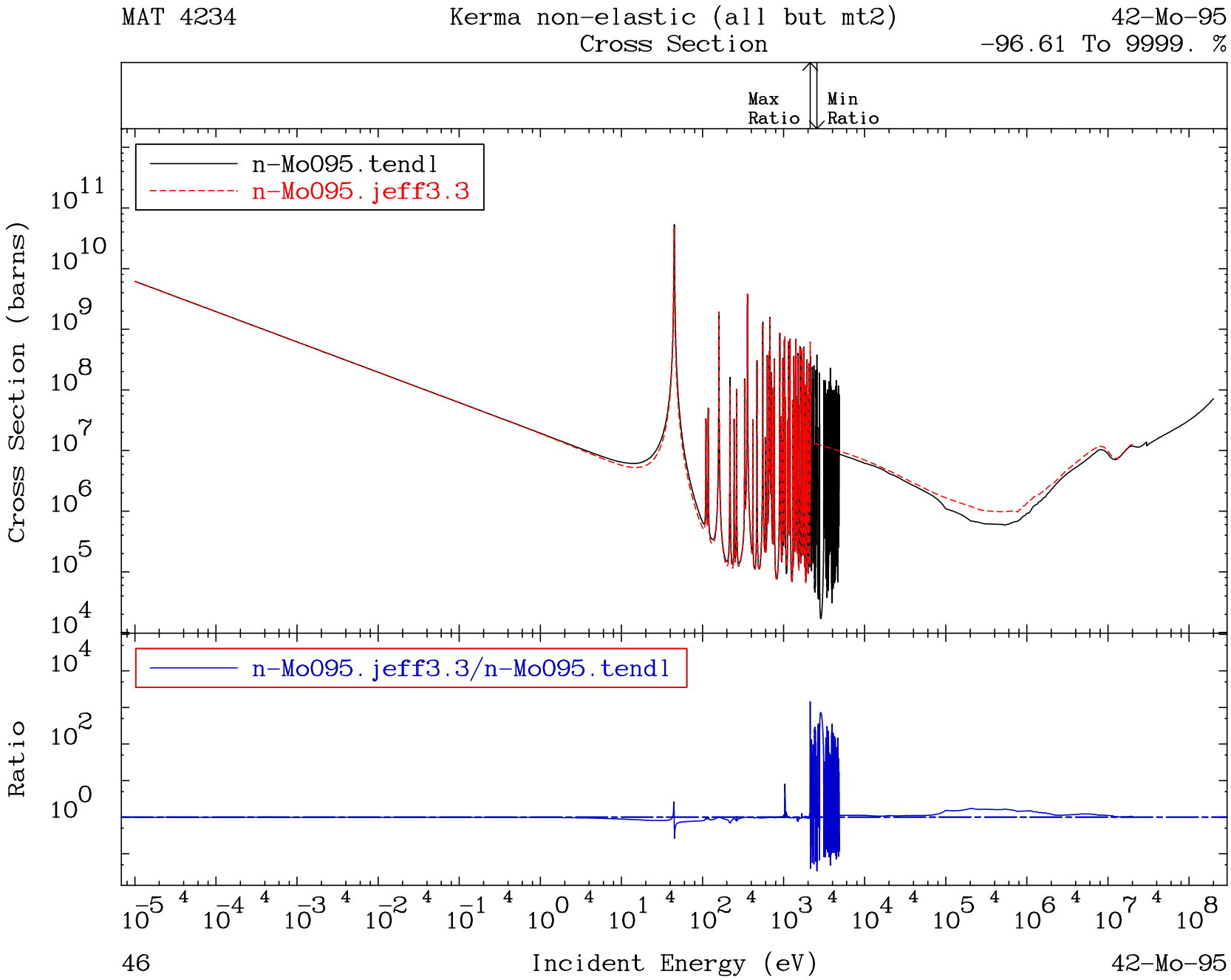

MAT 4234
(n,α)
Cross Section
42-Mo-95
-88.44 To 9999. %
Max Ratio
Min Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
41
42-Mo-95

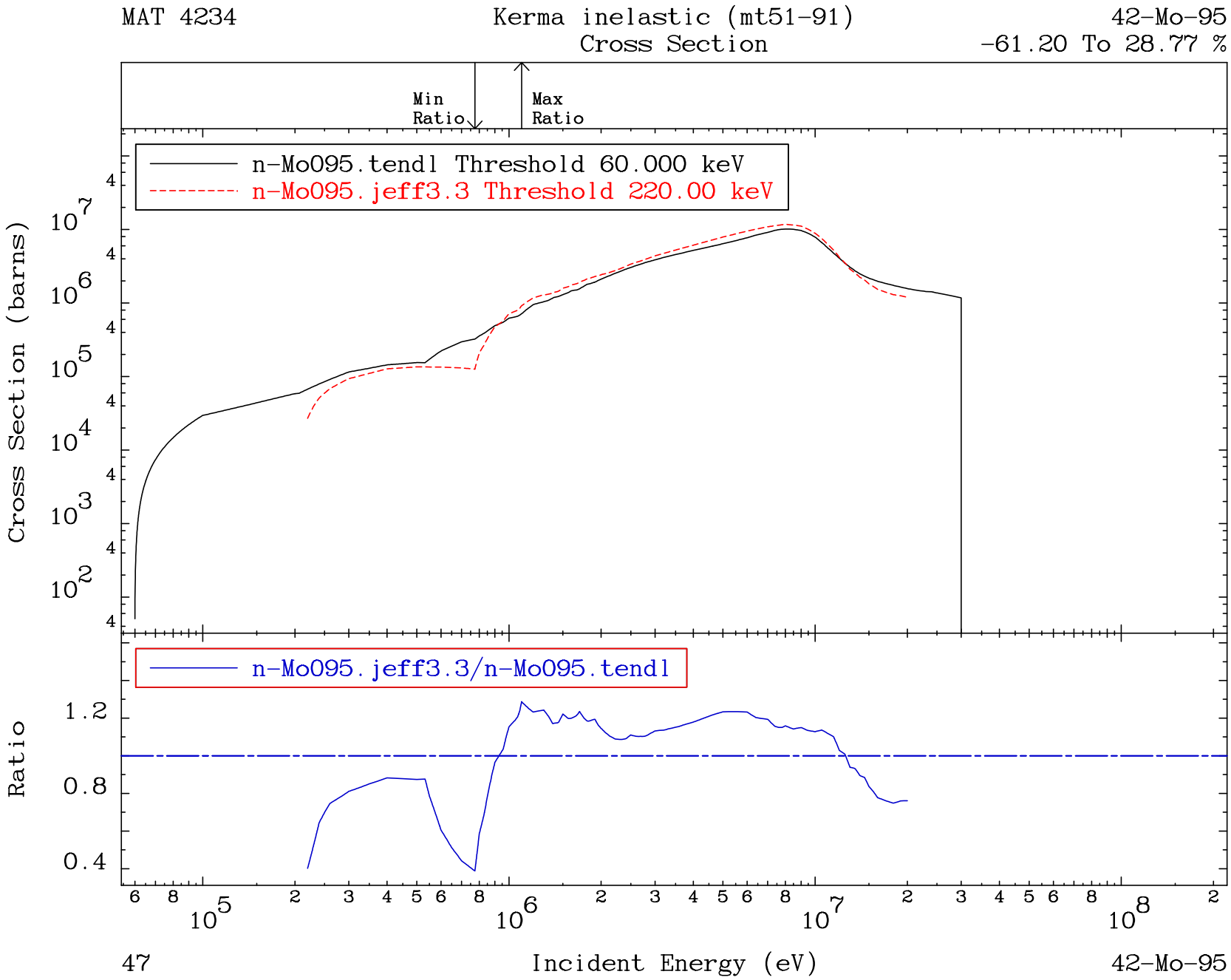

MAT 4234
Hydrogen Production
Cross Section
42-Mo-95
-95.61 To 114.4 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 144.77 keV
n-Mo095.jeff3.3 Threshold 1.5000 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
10^0
10^-1
10^6
10^7
10^8
42
Incident Energy (eV)
42-Mo-95

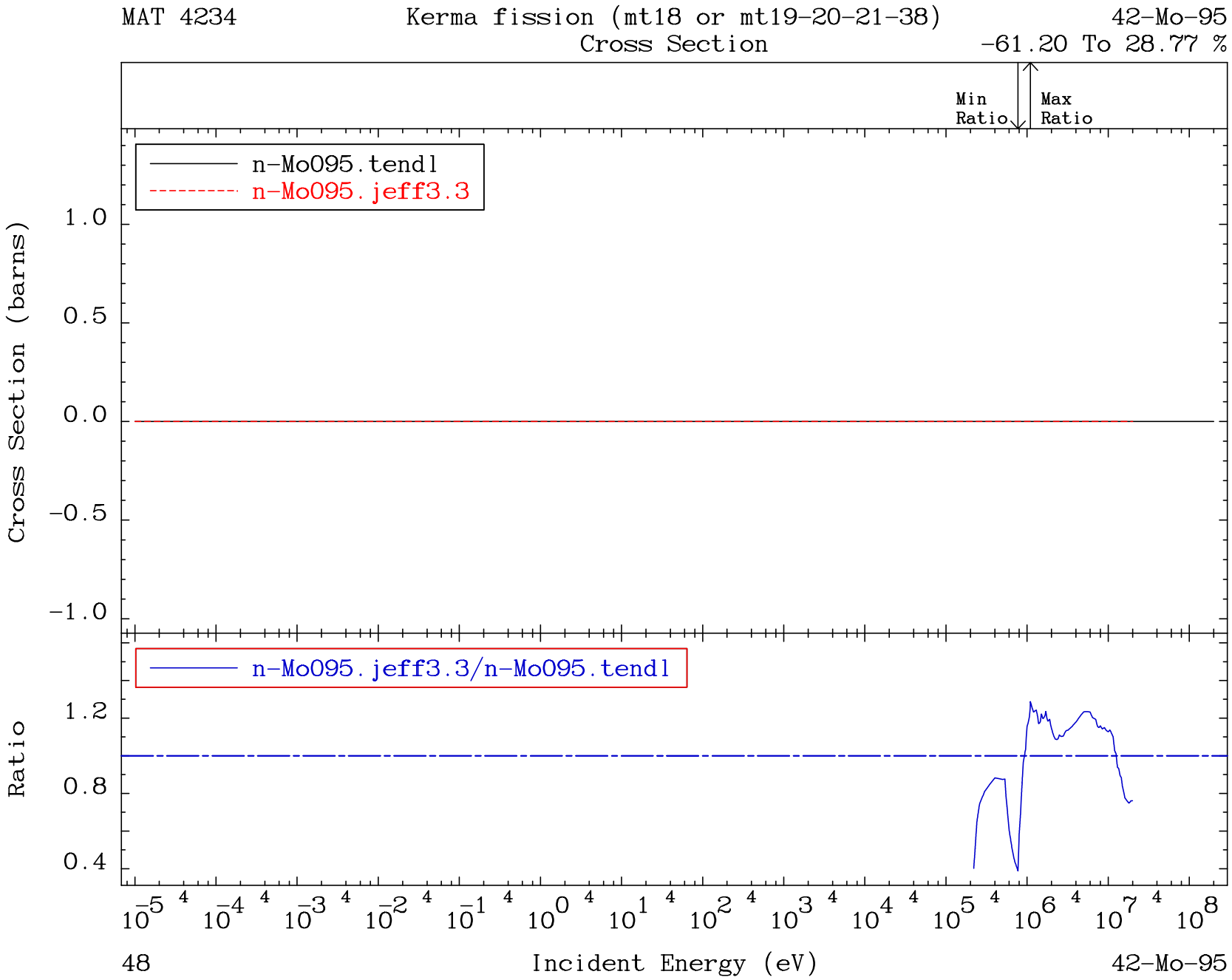

MAT 4234
He-4 Production
Cross Section
42-Mo-95
-88.44 To 9999. %
Max Ratio
Min Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
43
42-Mo-95

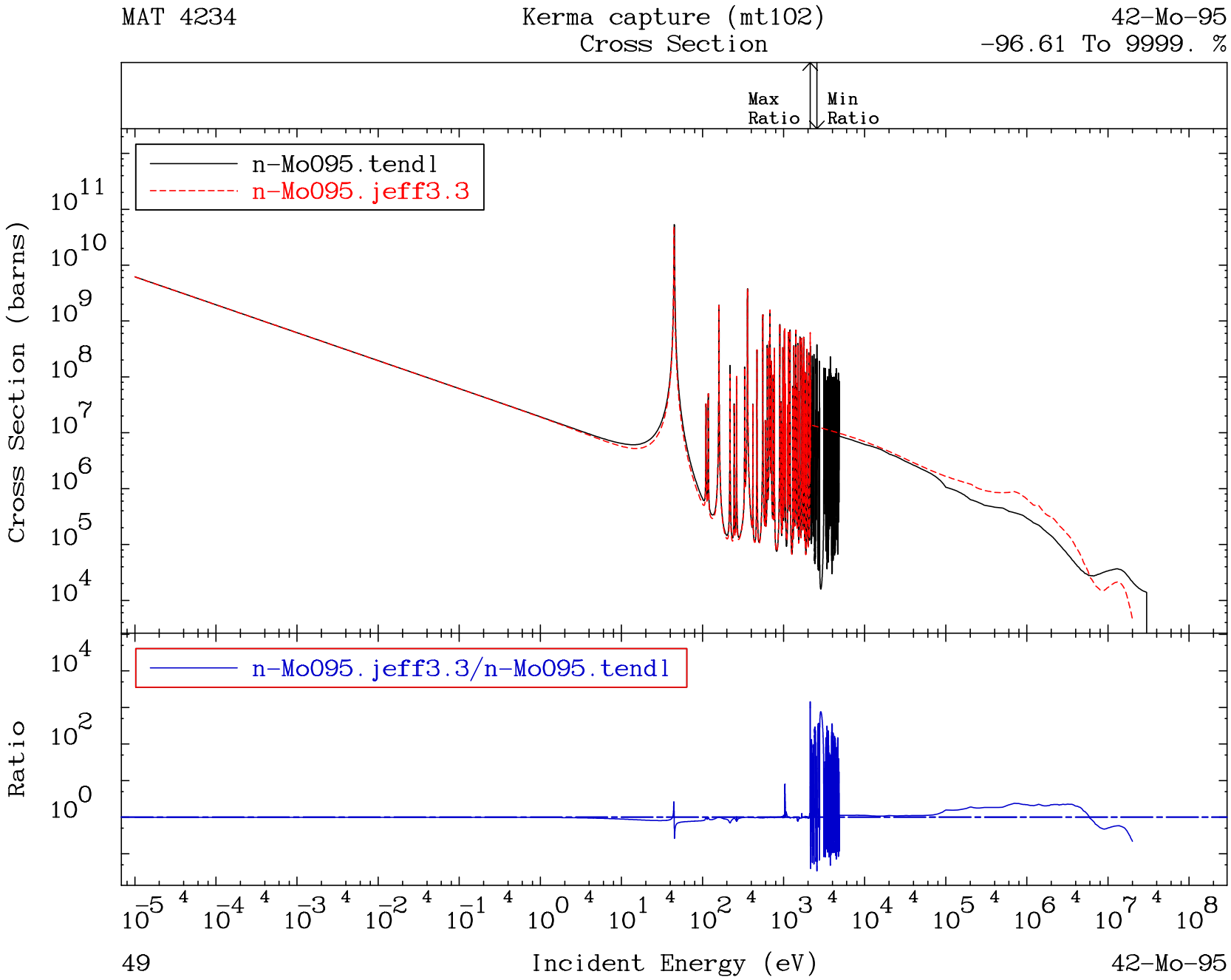

MAT 4234
Kerma total (eV-barns)
Cross Section
42-Mo-95
-96.61 To 9999. %
Max Ratio
Min Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
44
42-Mo-95

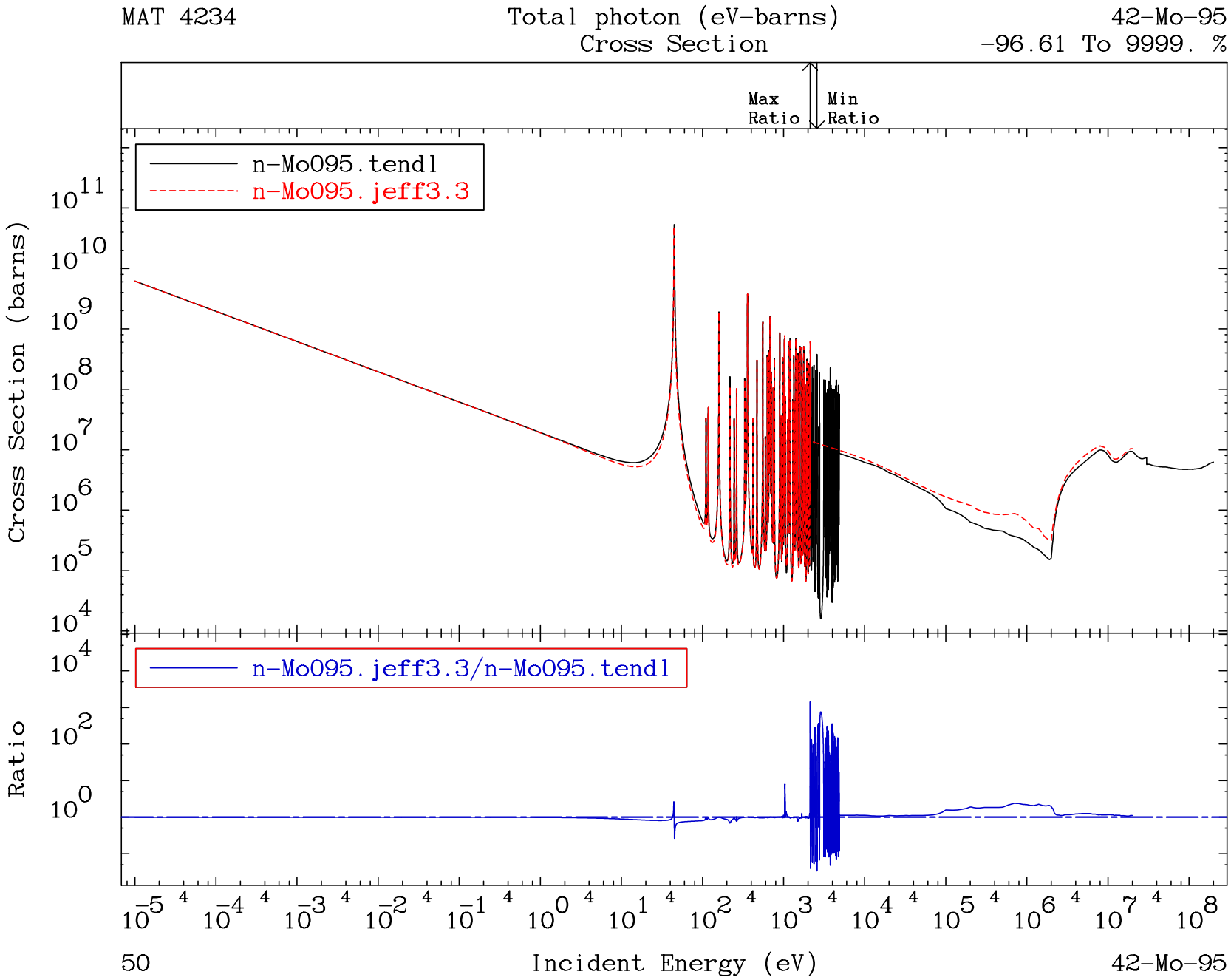

MAT 4234
Kerma elastic
Cross Section
42-Mo-95
-97.19 To 1000. %
Max
Ratio
Min
Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
45
42-Mo-95

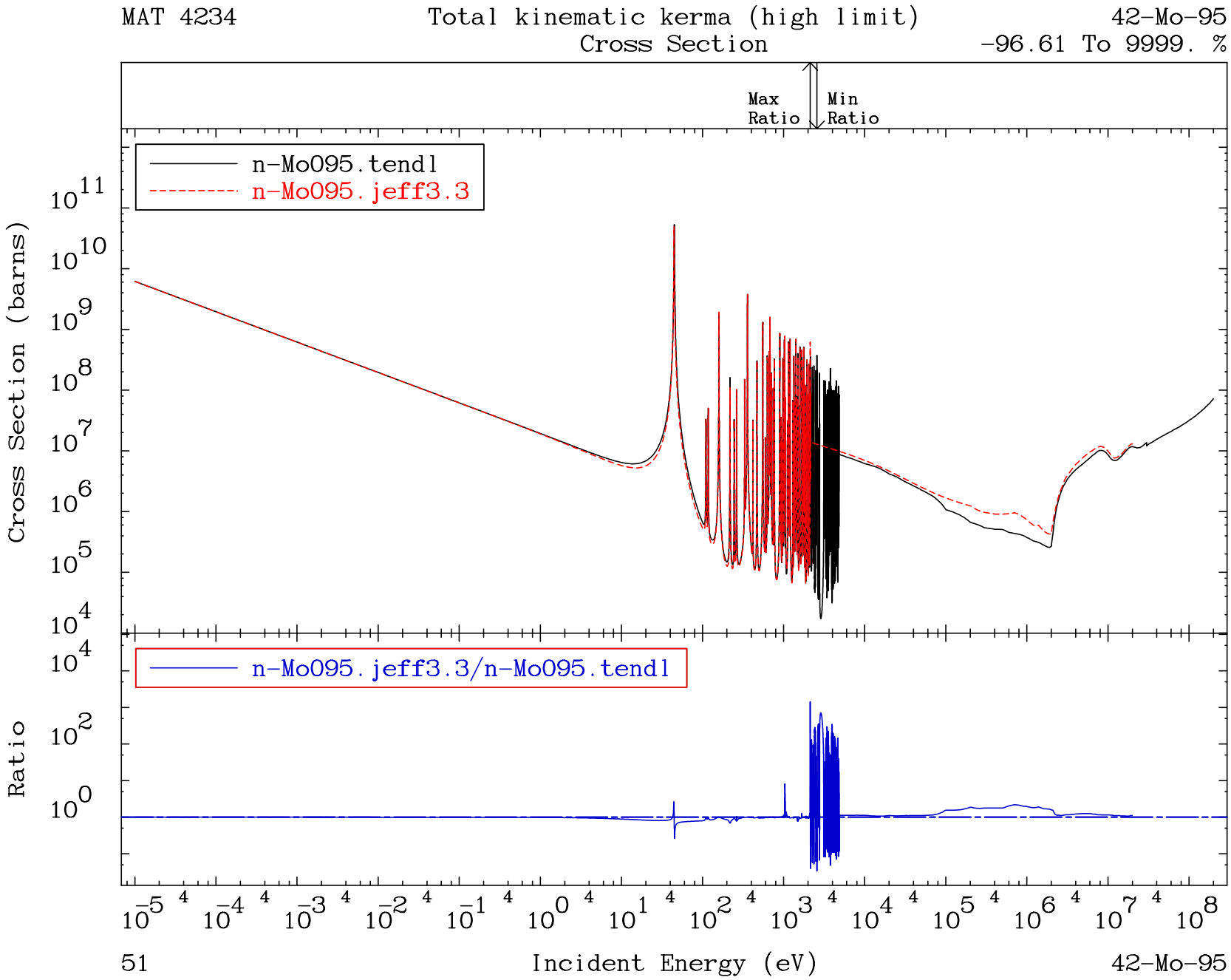

MAT 4234
Kerma non-elastic (all but mt2)
Cross Section
42-Mo-95
-96.61 To 9999. %
Max Ratio
Min Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
46
42-Mo-95

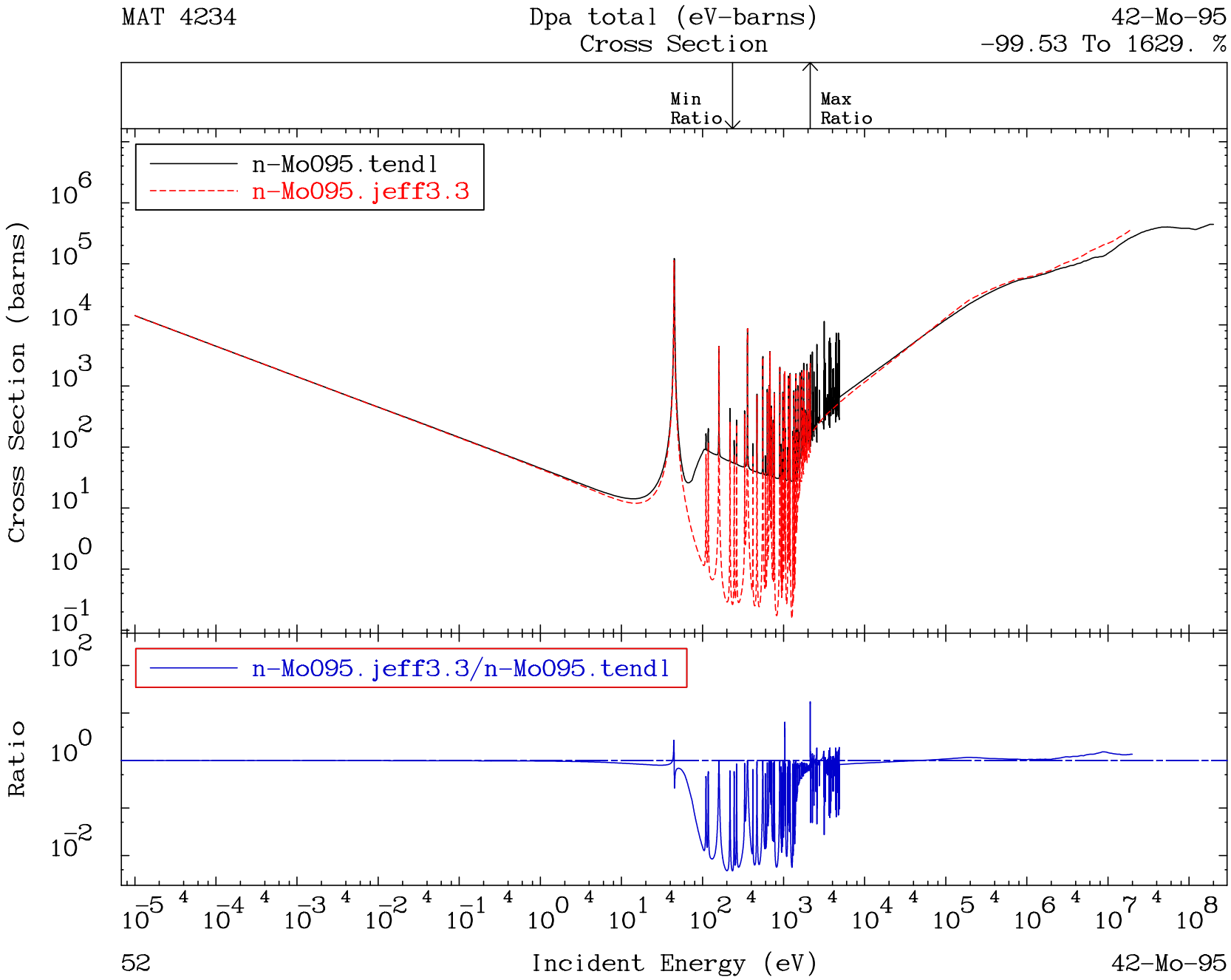

MAT 4234
Kerma inelastic (mt51-91)
Cross Section
42-Mo-95
-61.20 To 28.77 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 60.000 keV
n-Mo095.jeff3.3 Threshold 220.00 keV
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
47
42-Mo-95

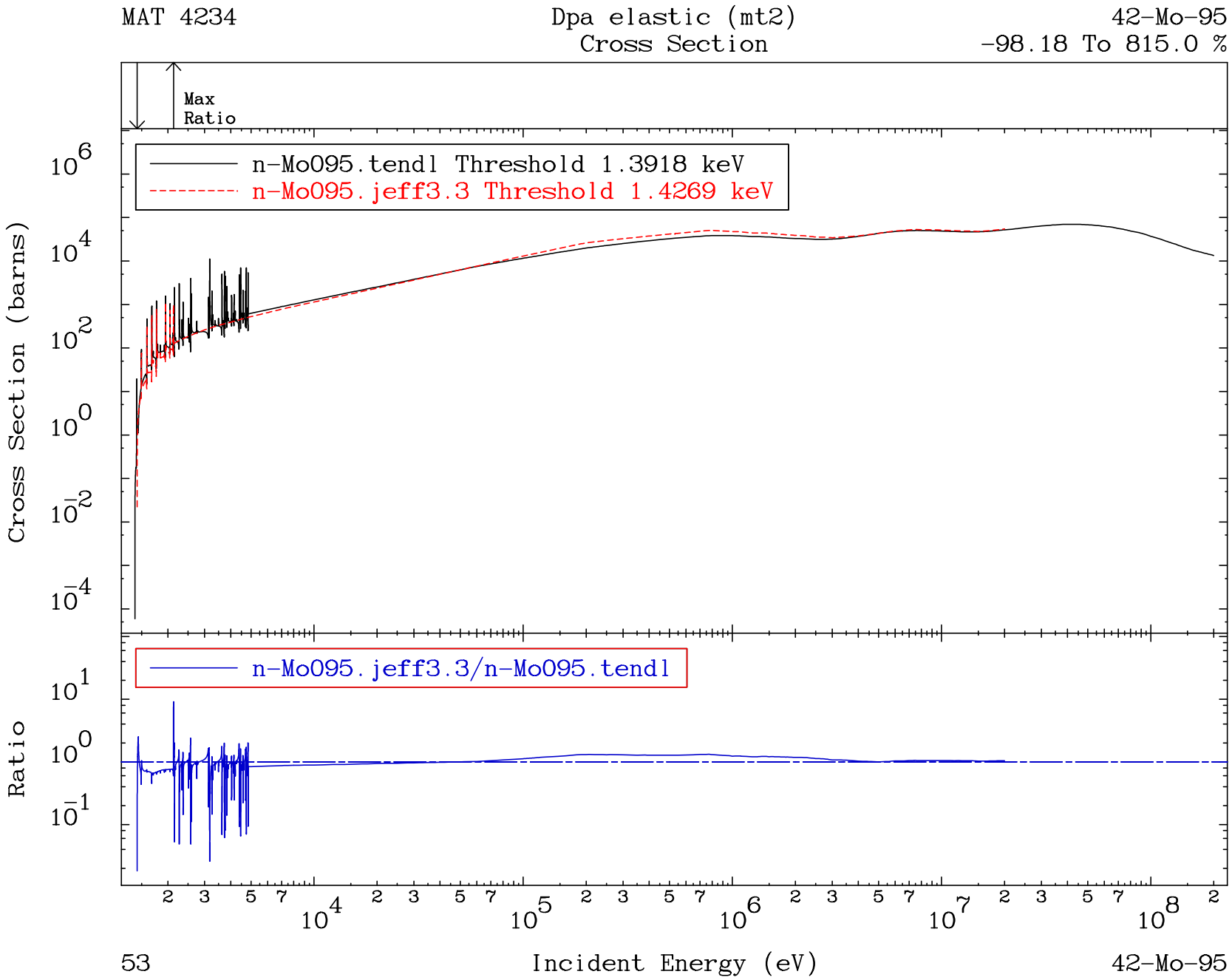

MAT 4234
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
42-Mo-95
-61.20 To 28.77 %
Min Ratio
Max Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
1.2
0.8
0.4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
42-Mo-95

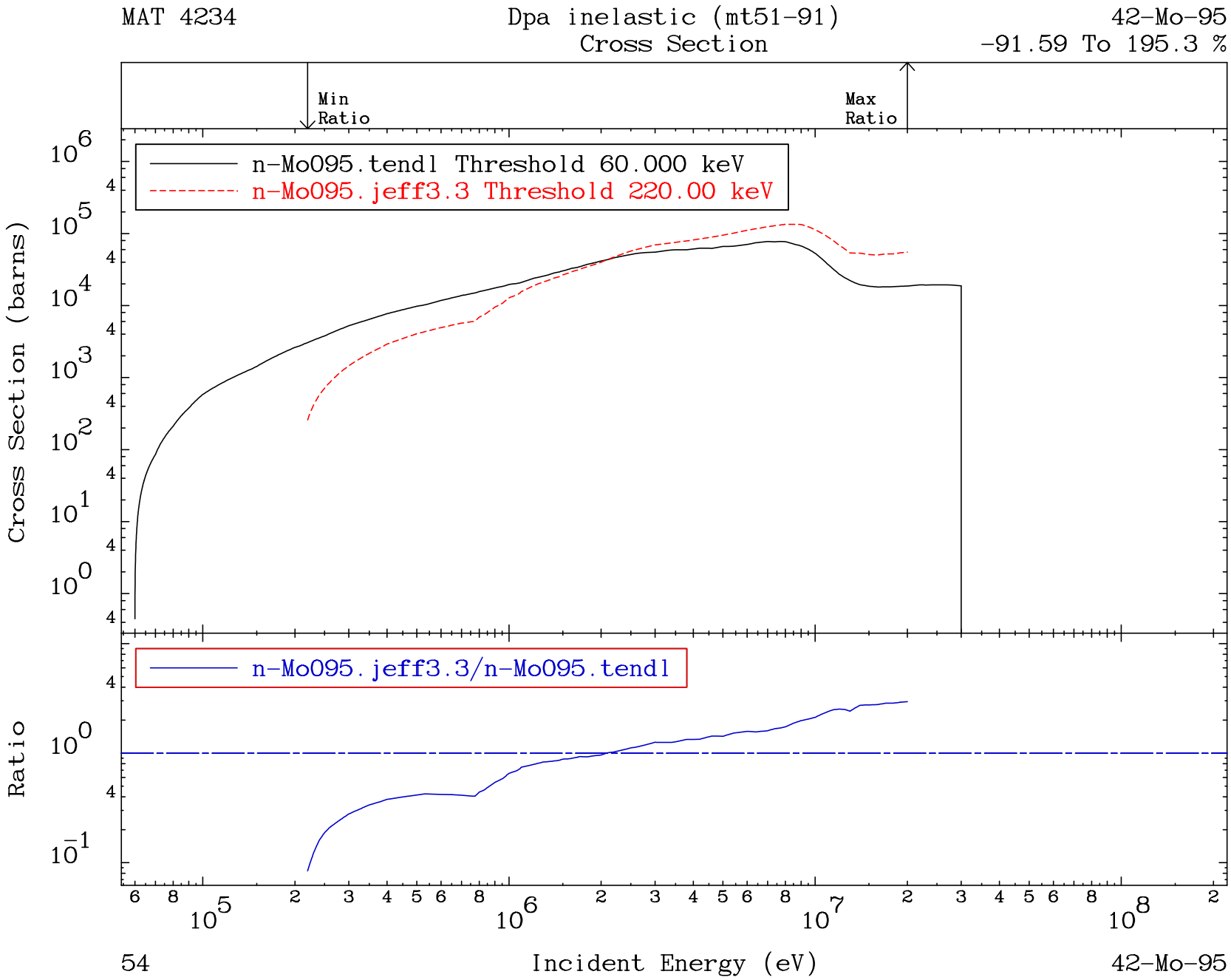

MAT 4234
Kerma capture (mt102)
Cross Section
42-Mo-95
-96.61 To 9999. %
Max Ratio
Min Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
49
Incident Energy (eV)
42-Mo-95

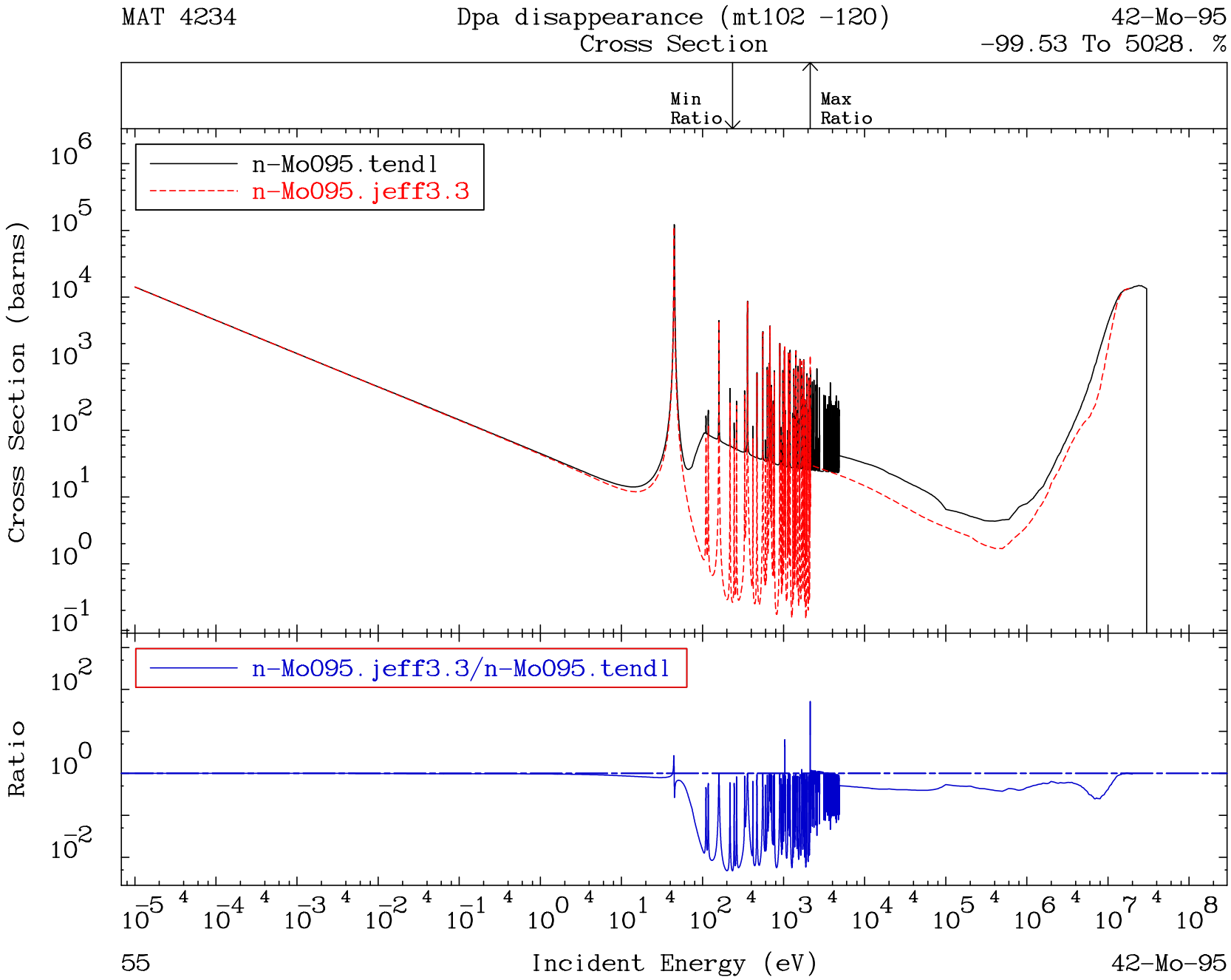

MAT 4234
Total photon (eV-barns)
Cross Section
42-Mo-95
-96.61 To 9999. %
Max Ratio
Min Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
50
42-Mo-95


MAT 4234
Total kinematic kerma (high limit)
Cross Section
42-Mo-95
-96.61 To 9999. %
Max Ratio
Min Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
51
42-Mo-95


MAT 4234
Dpa total (eV-barns)
Cross Section
42-Mo-95
-99.53 To 1629. %
Min Ratio
Max Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
52
42-Mo-95


MAT 4234
Dpa elastic (mt2)
Cross Section
42-Mo-95
-98.18 To 815.0 %
Max
Ratio
n-Mo095.tendl Threshold 1.3918 keV
n-Mo095.jeff3.3 Threshold 1.4269 keV
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
53
42-Mo-95


MAT 4234
Dpa inelastic (mt51-91)
Cross Section
42-Mo-95
-91.59 To 195.3 %
Min Ratio
Max Ratio
n-Mo095.tendl Threshold 60.000 keV
n-Mo095.jeff3.3 Threshold 220.00 keV
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
Incident Energy (eV)
54
42-Mo-95


MAT 4234
Dpa disappearance (mt102 -120)
Cross Section
42-Mo-95
-99.53 To 5028. %
Min Ratio
Max Ratio
n-Mo095.tendl
n-Mo095.jeff3.3
Cross Section (barns)
n-Mo095.jeff3.3/n-Mo095.tendl
Ratio
55
Incident Energy (eV)
42-Mo-95