Program Complot
(Version 2021-1)
by
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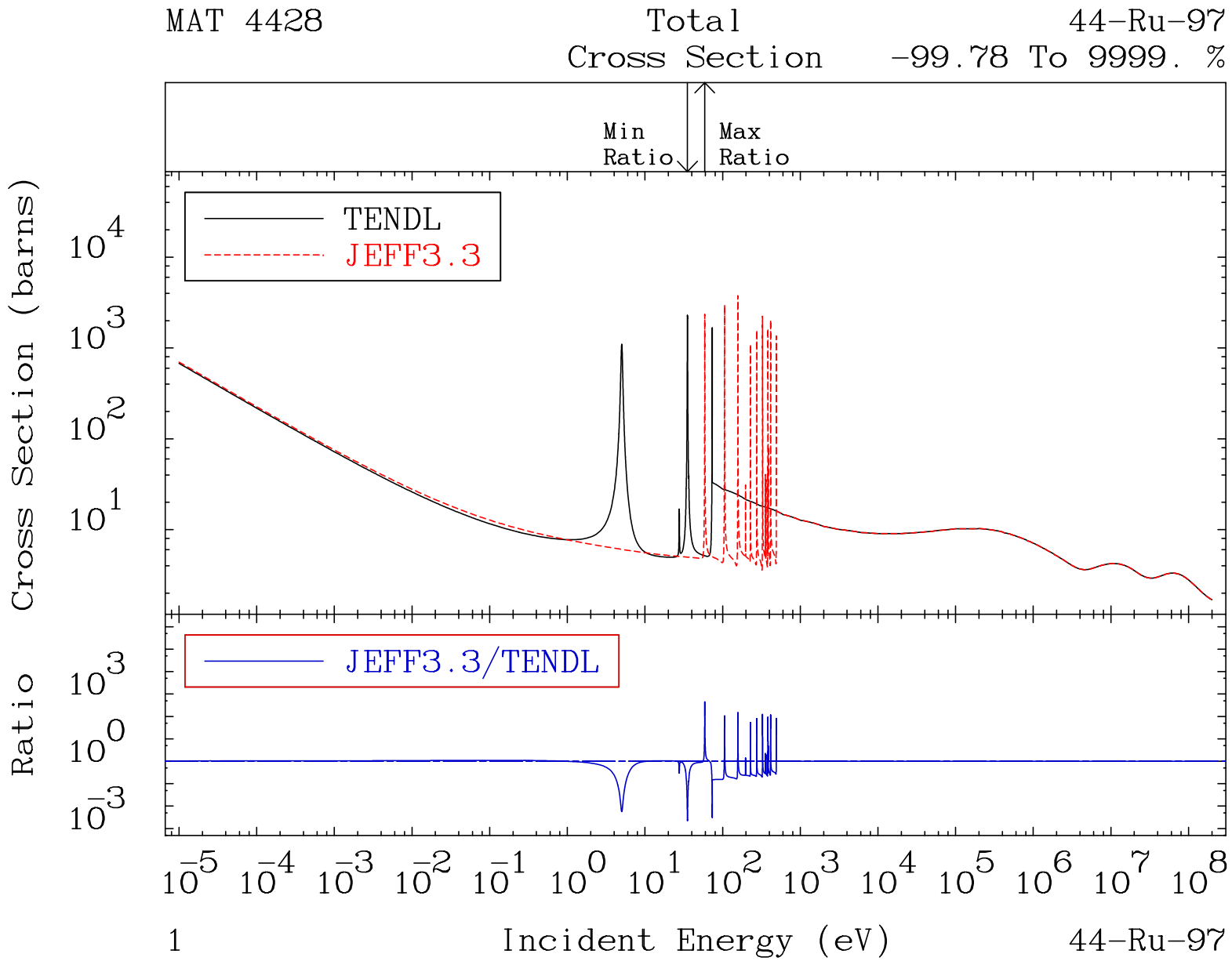
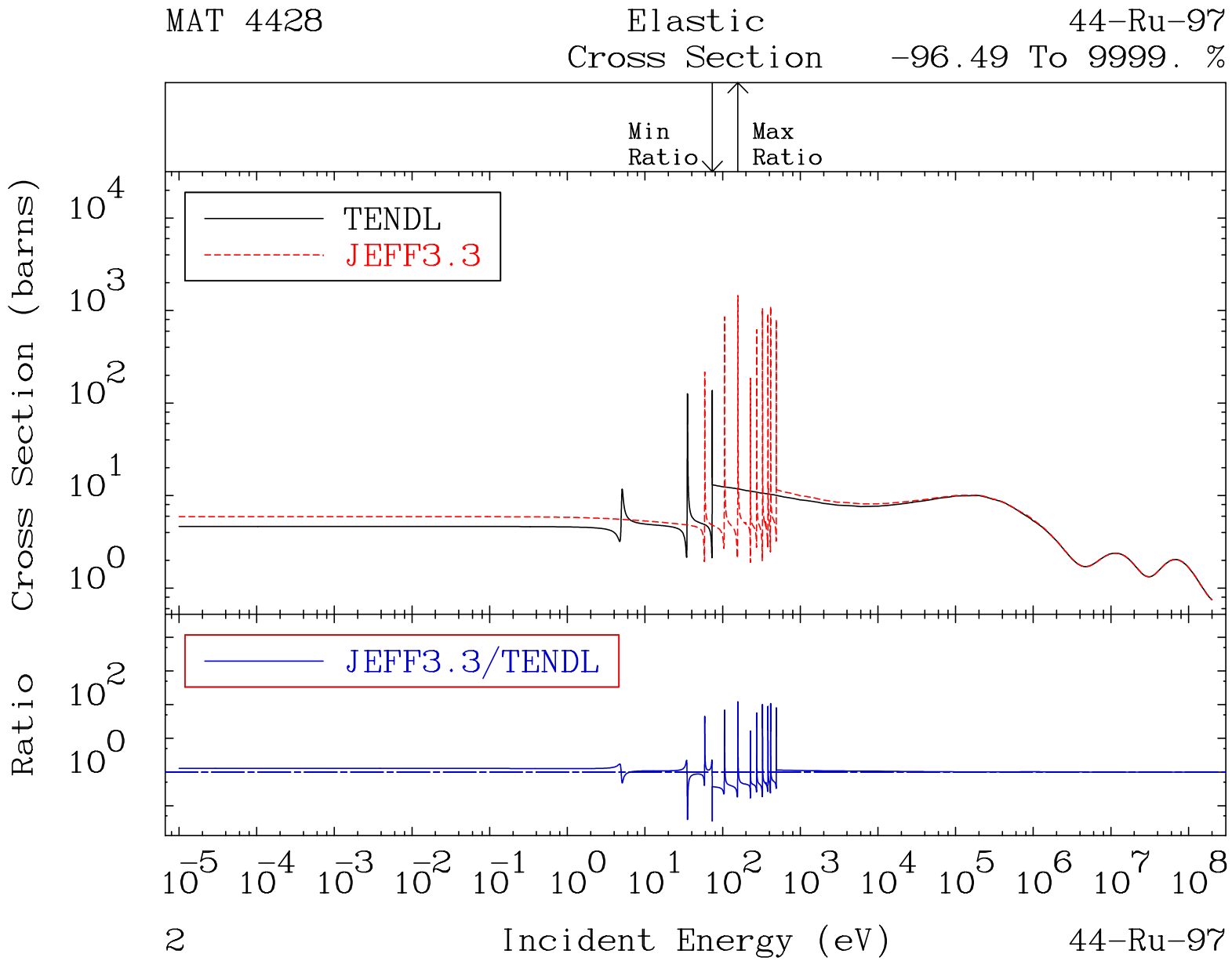
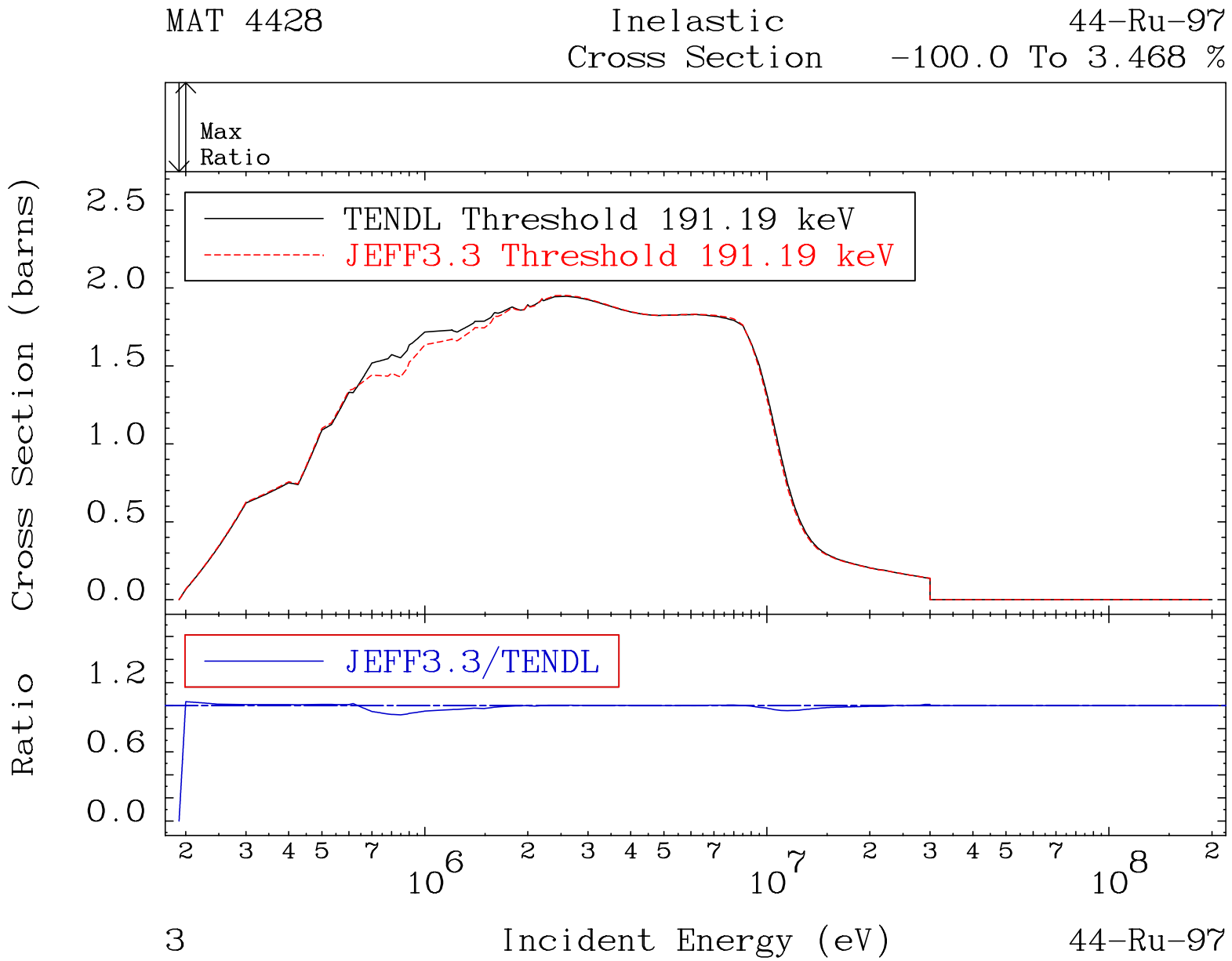
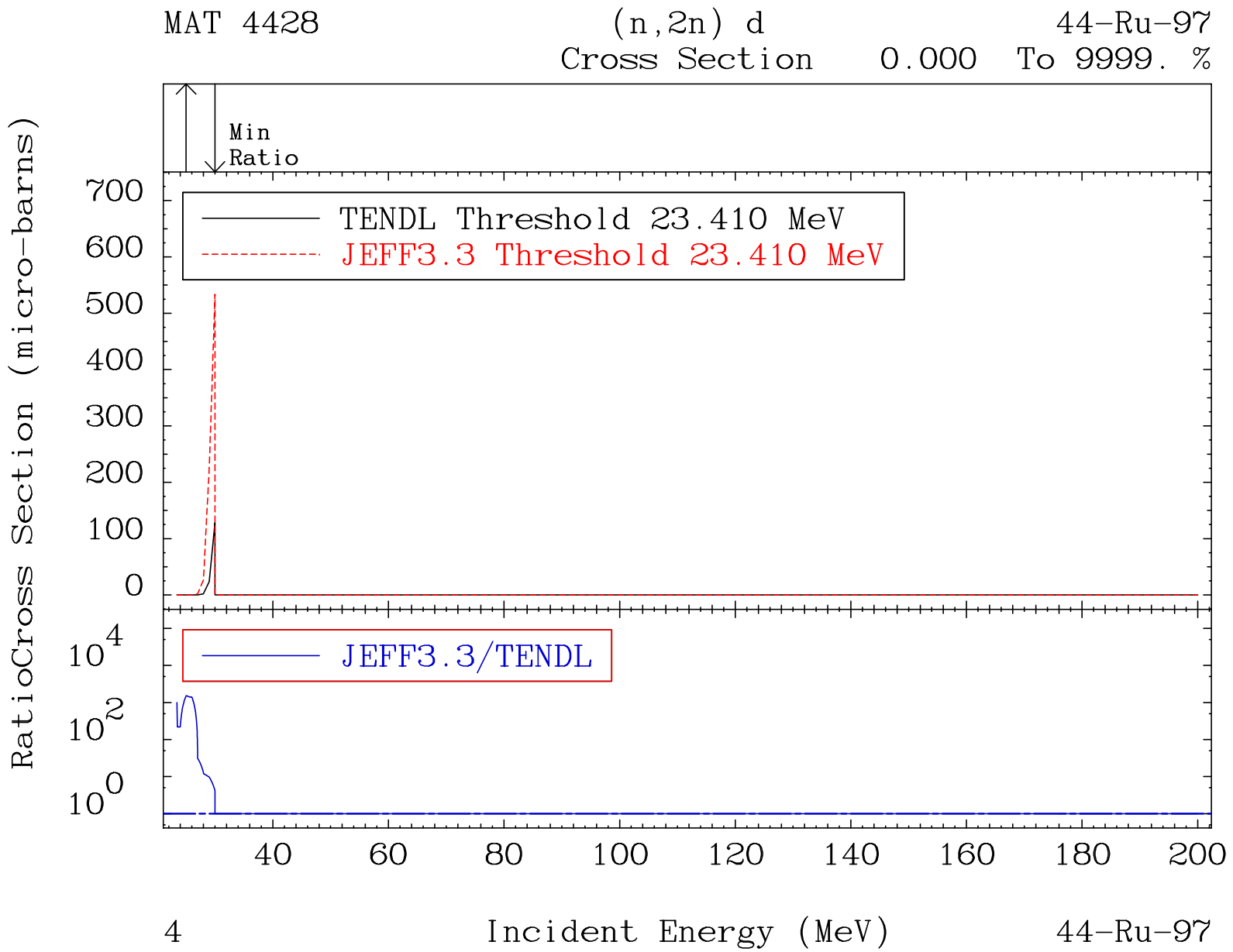
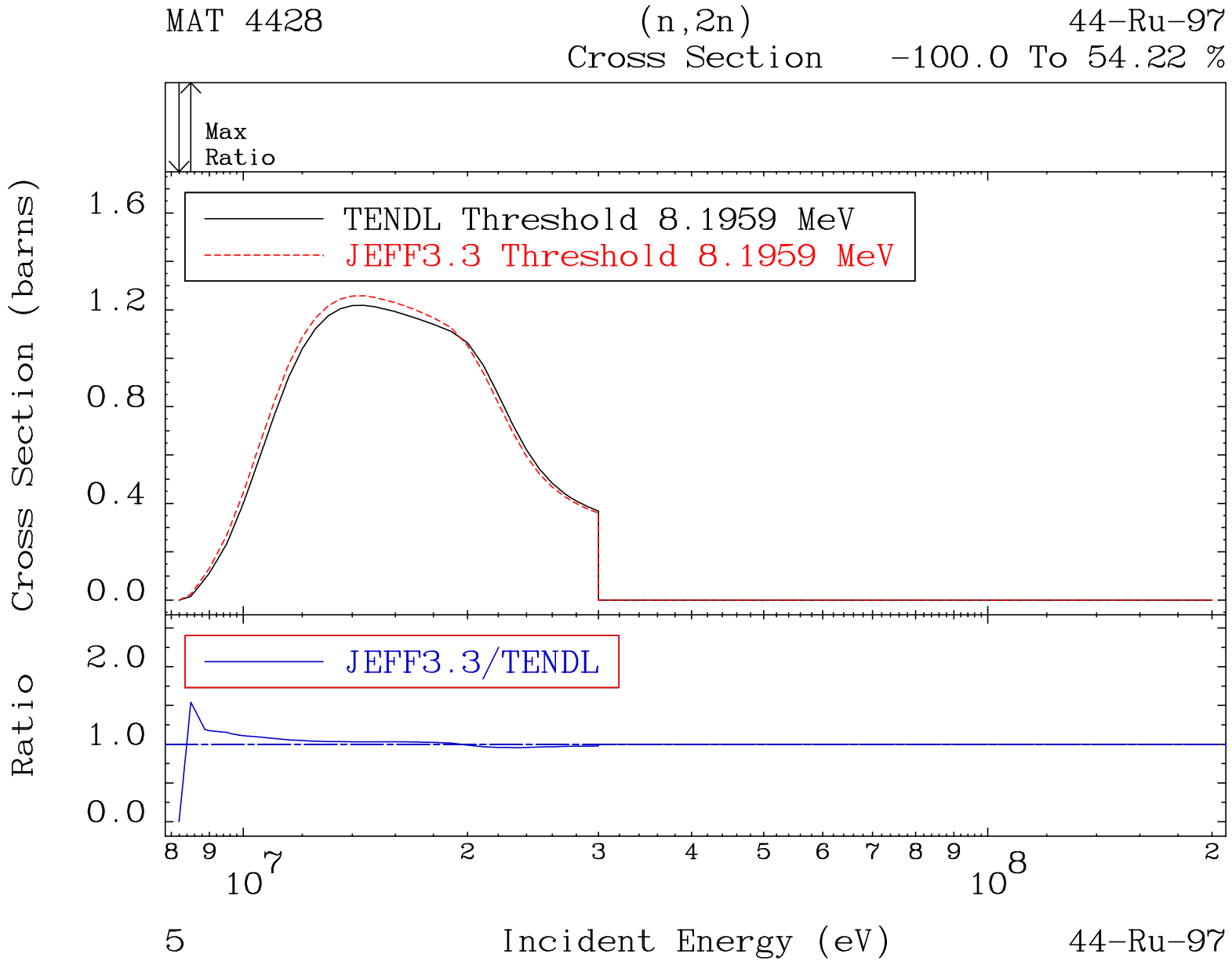
Press Mouse Button to Start

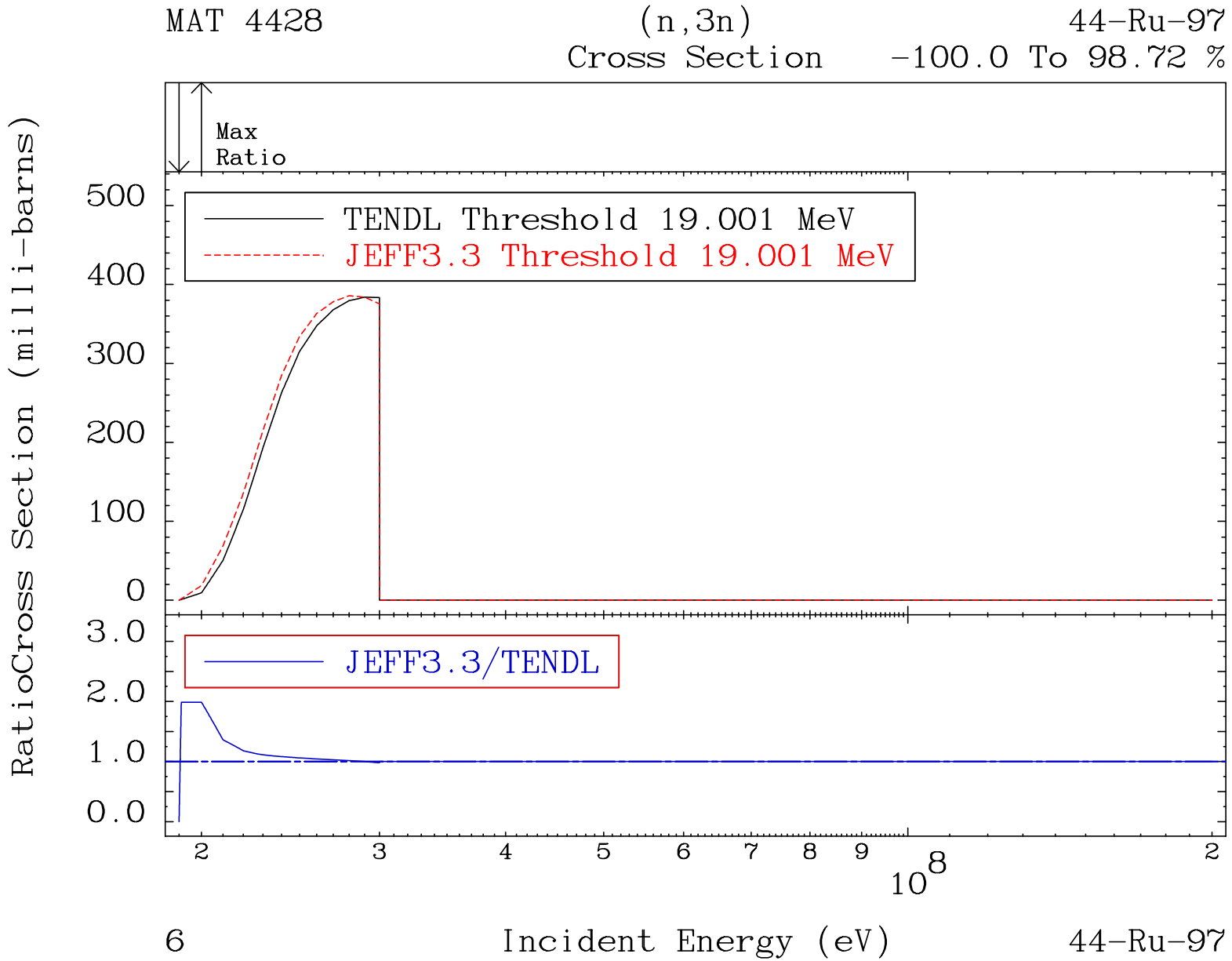

MAT 4428
Total
Cross Section
44-Ru-97
-99.78 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
44-Ru-97

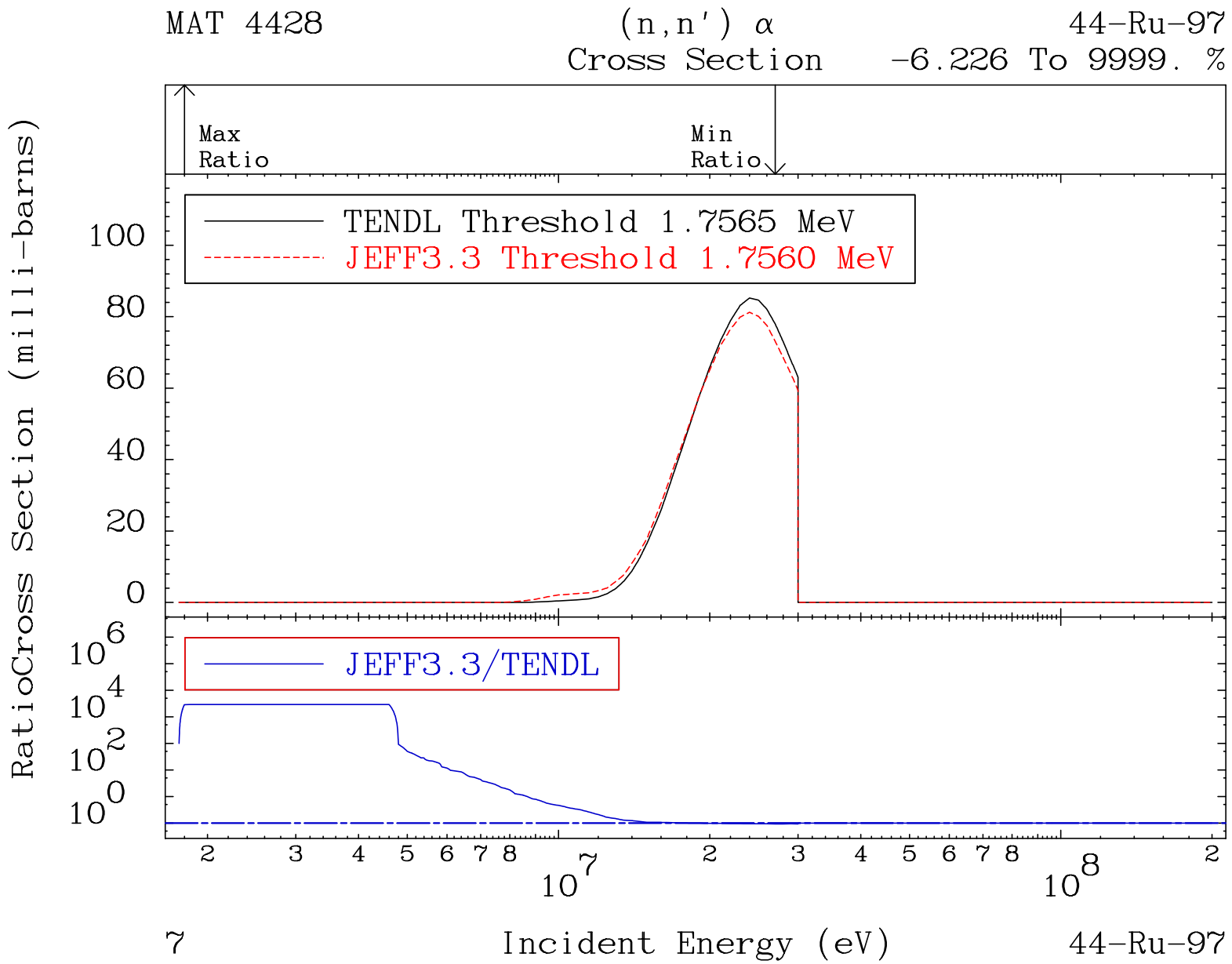

MAT 4428
Elastic
Cross Section
44-Ru-97
-96.49 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
44-Ru-97

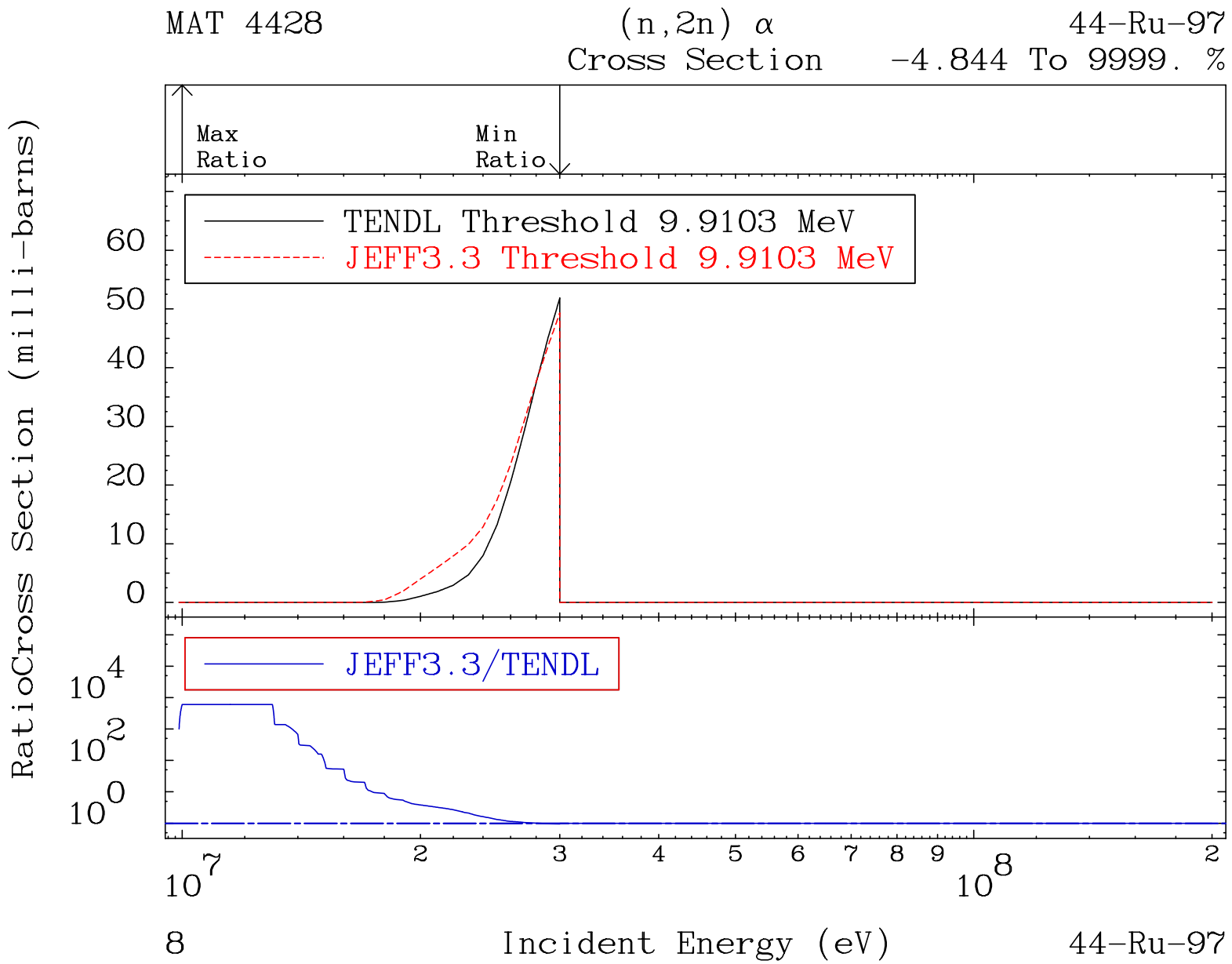

MAT 4428
Inelastic
Cross Section
44-Ru-97
-100.0 To 3.468 %
Max
Ratio
TENDL Threshold 191.19 keV
JEFF3.3 Threshold 191.19 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
44-Ru-97

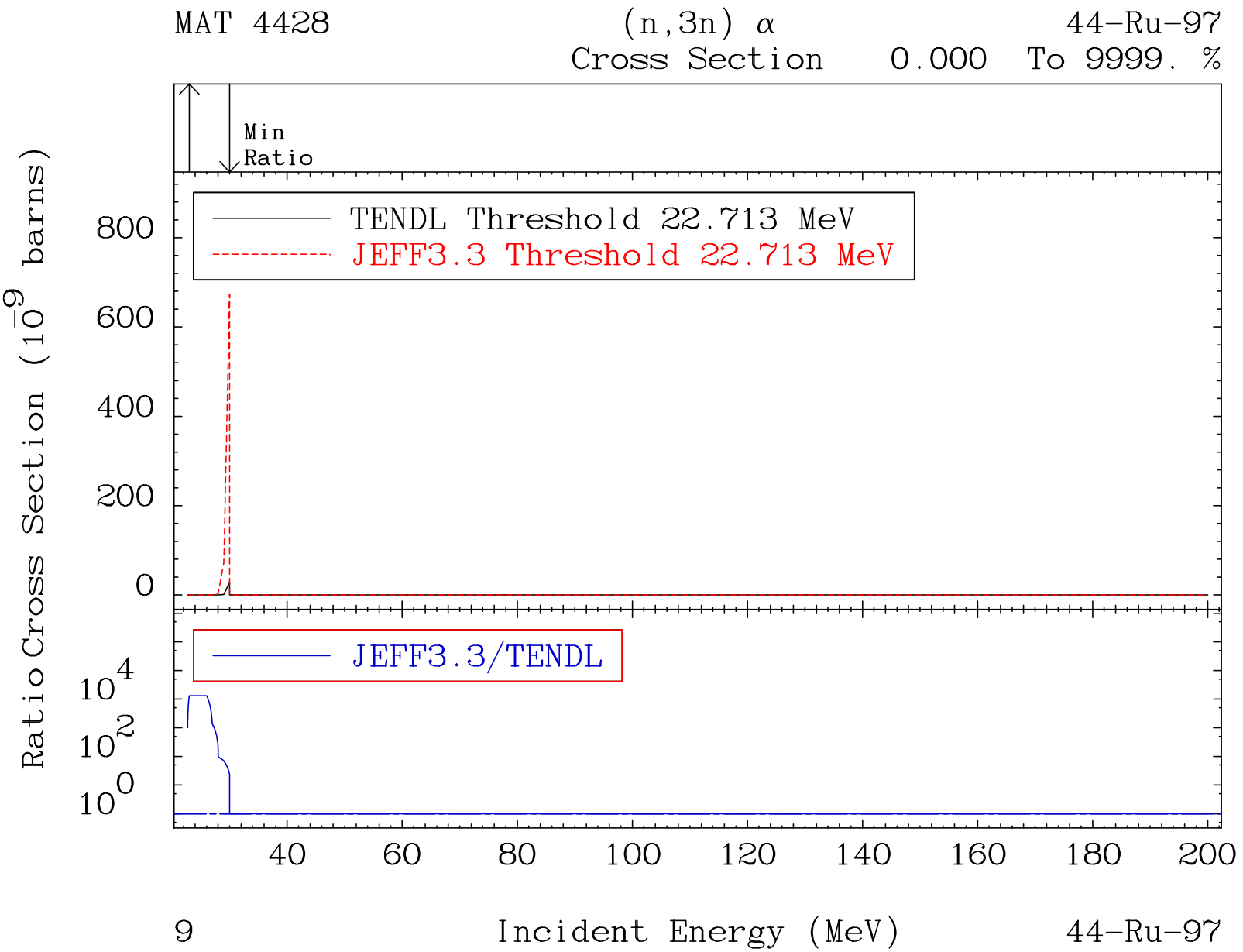

MAT 4428
(n,2n) d
44-Ru-97
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 23.410 MeV
JEFF3.3 Threshold 23.410 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
700
600
500
400
300
200
100
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
44-Ru-97

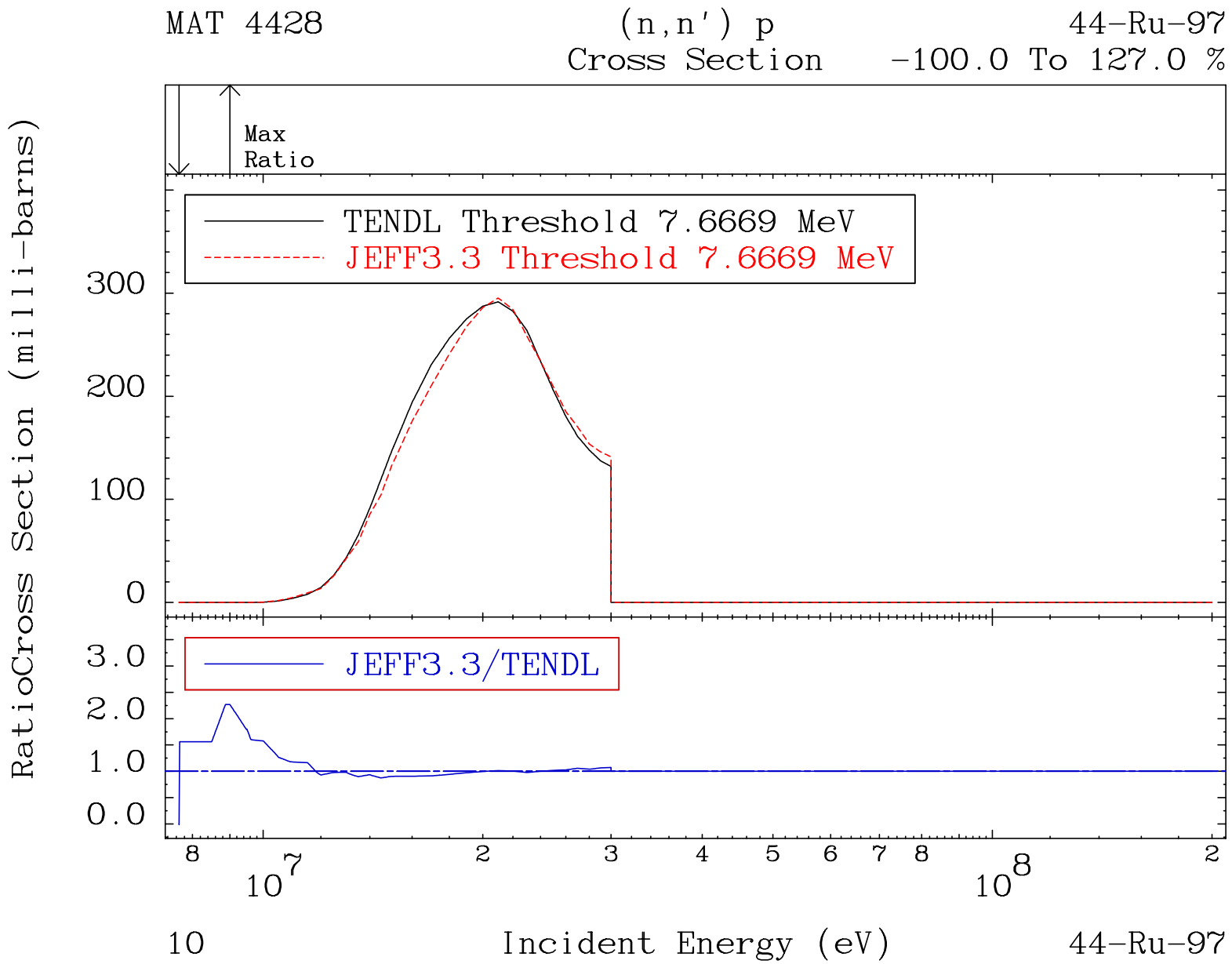

MAT 4428
(n,2n)
Cross Section
44-Ru-97
-100.0 To 54.22 %
Max
Ratio
TENDL Threshold 8.1959 MeV
JEFF3.3 Threshold 8.1959 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
5
44-Ru-97

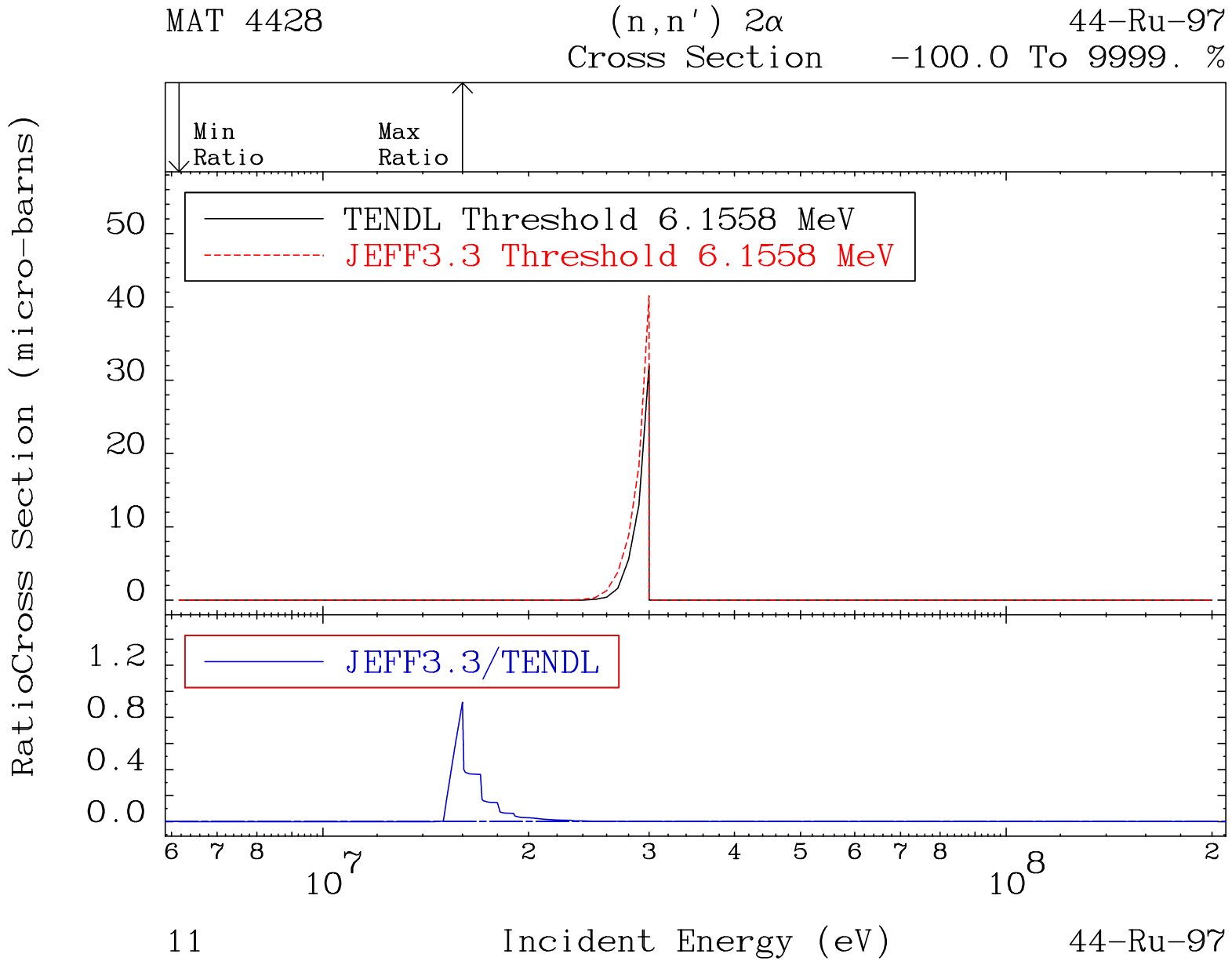

MAT 4428
(n,3n)
Cross Section
44-Ru-97
-100.0 To 98.72 %
Max
Ratio
TENDL Threshold 19.001 MeV
JEFF3.3 Threshold 19.001 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
6
Incident Energy (eV)
44-Ru-97

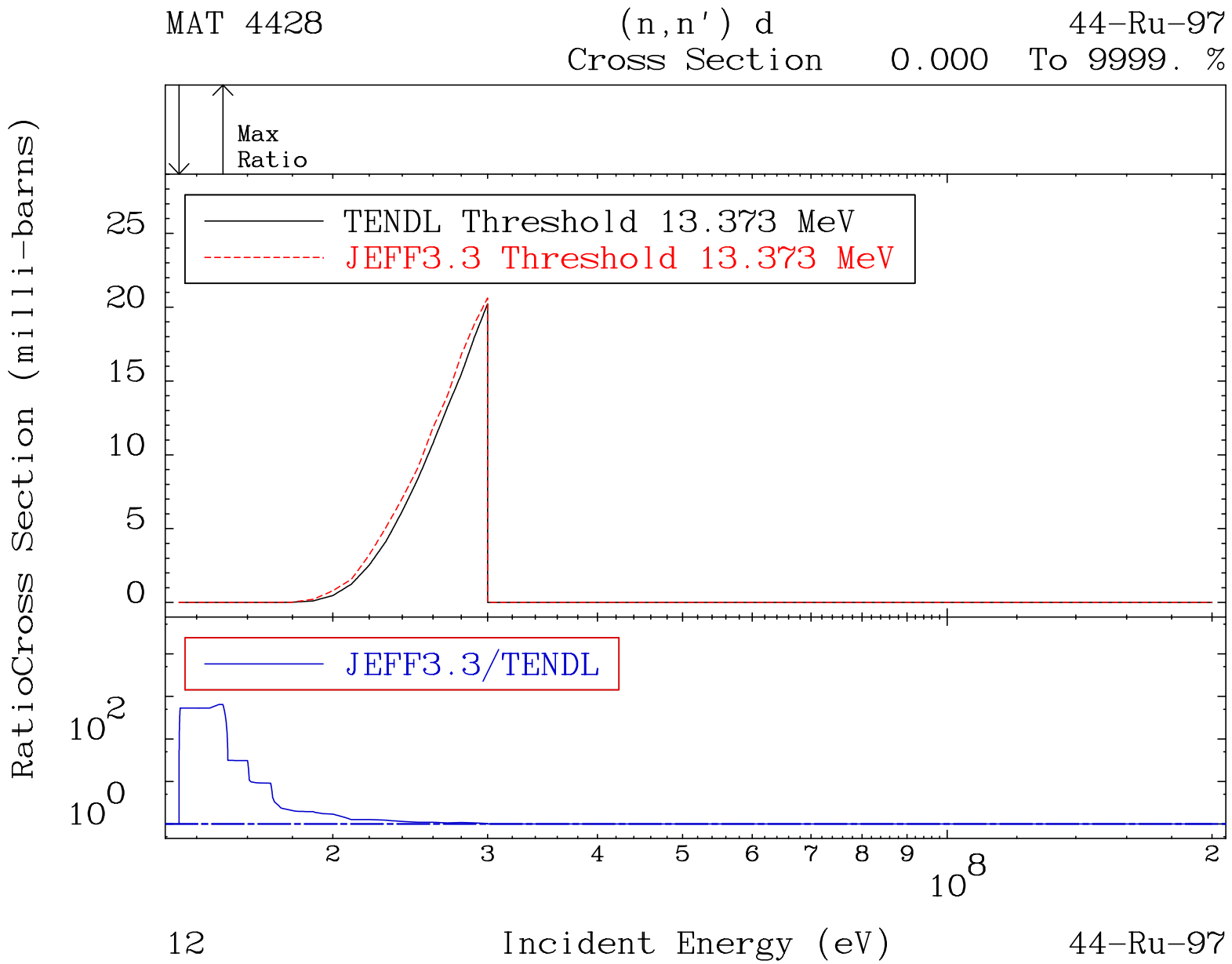

MAT 4428
(n,n') α
Cross Section
44-Ru-97
-6.226 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.7565 MeV
JEFF3.3 Threshold 1.7560 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
44-Ru-97

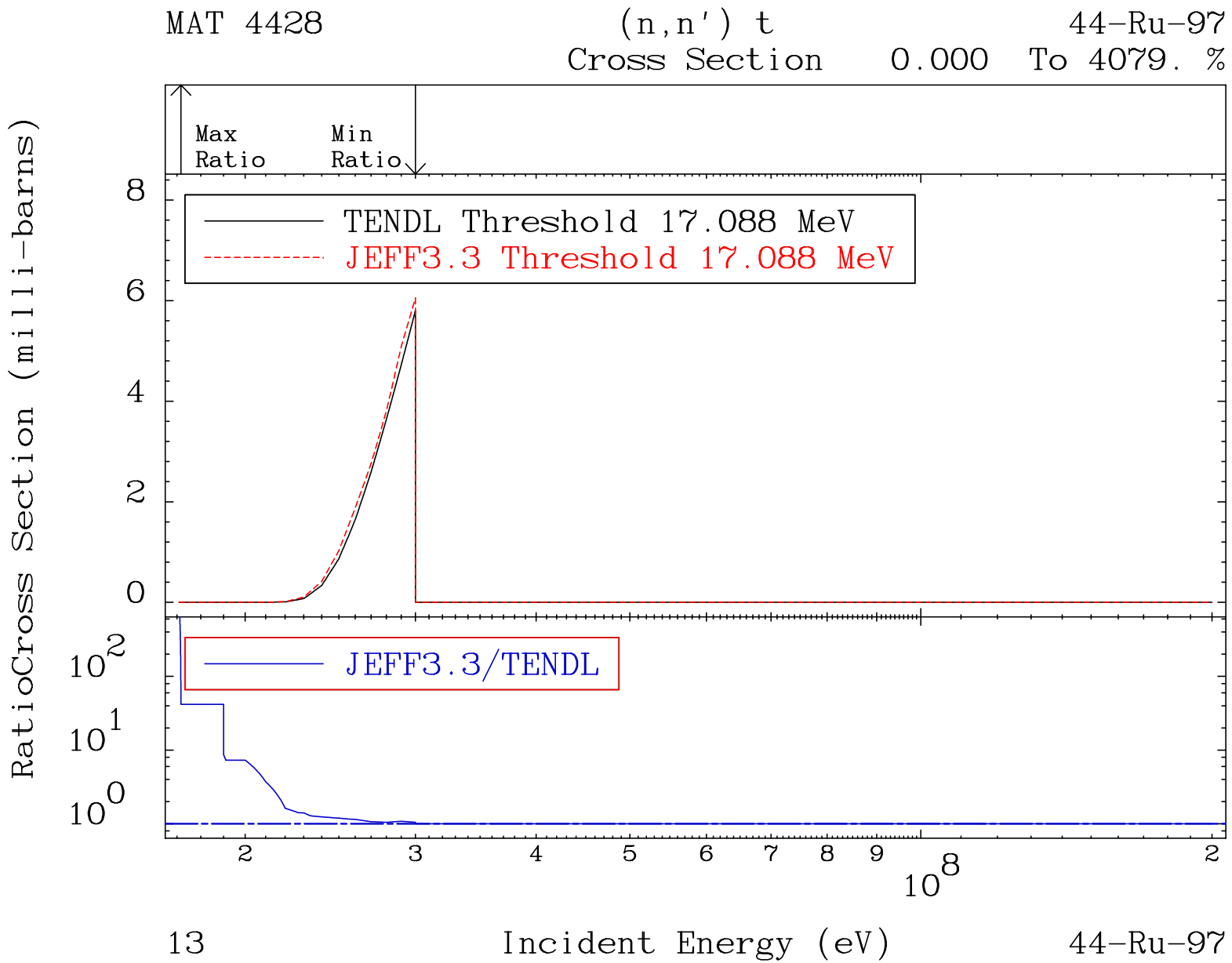

MAT 4428
(n,2n) α
44-Ru-97
Cross Section
-4.844 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.9103 MeV
JEFF3.3 Threshold 9.9103 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10^4
10^2
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
44-Ru-97

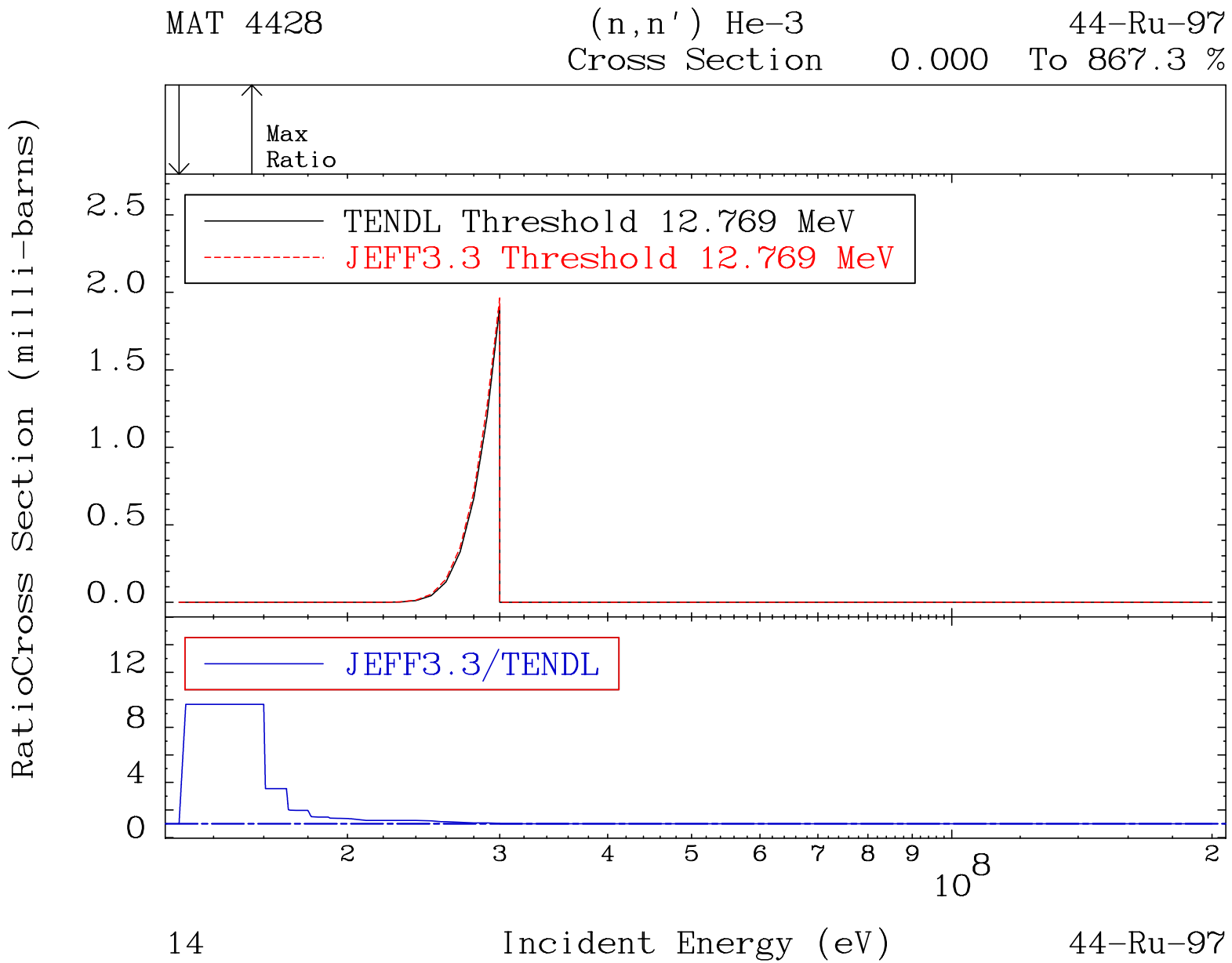

MAT 4428
(n,3n) α
44-Ru-97
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 22.713 MeV
JEFF3.3 Threshold 22.713 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
800
600
400
200
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
44-Ru-97

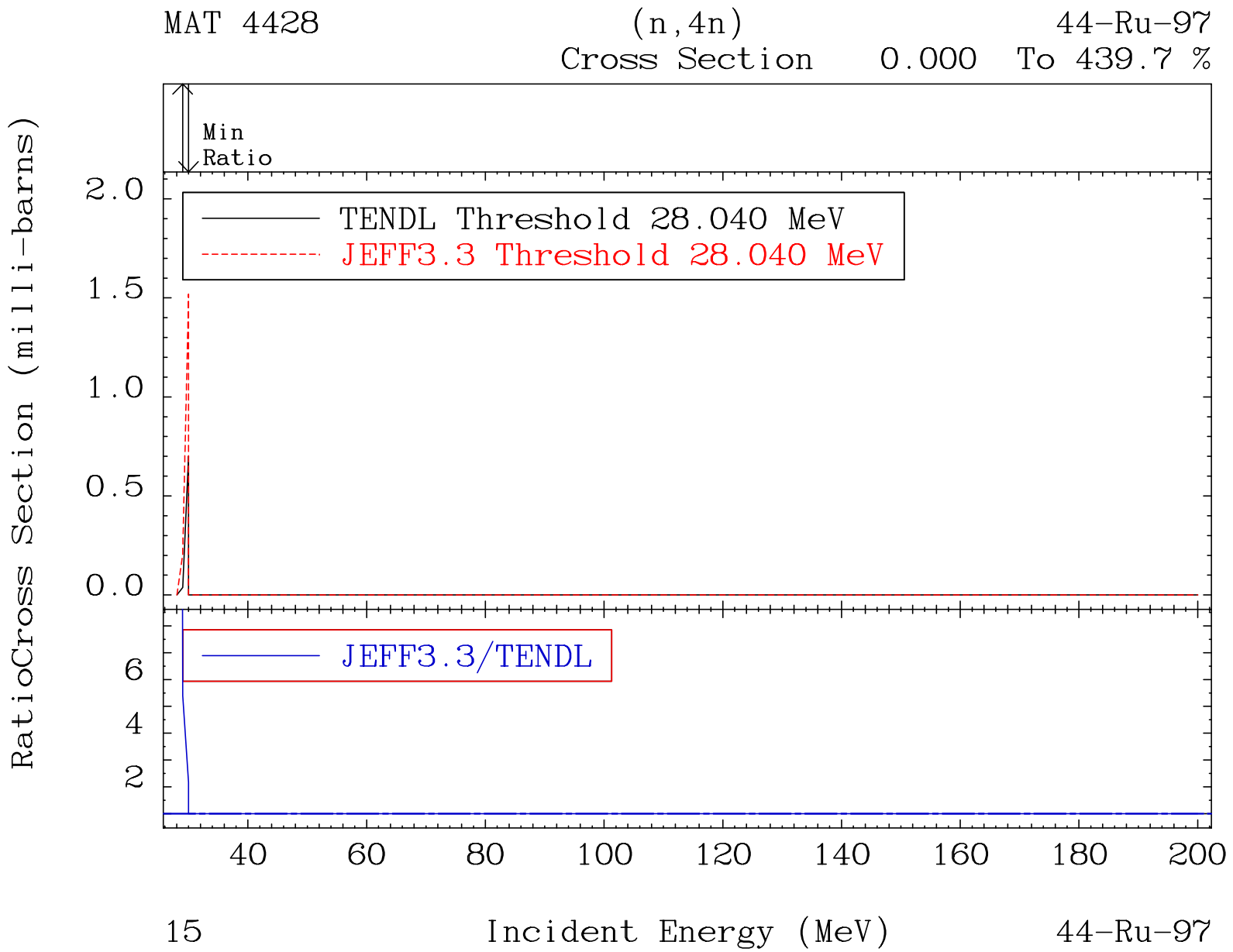

MAT 4428
(n,n') p
Cross Section
44-Ru-97
-100.0 To 127.0 %
Max
Ratio
TENDL Threshold 7.6669 MeV
JEFF3.3 Threshold 7.6669 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
200
100
0
3.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
10
Incident Energy (eV)
44-Ru-97

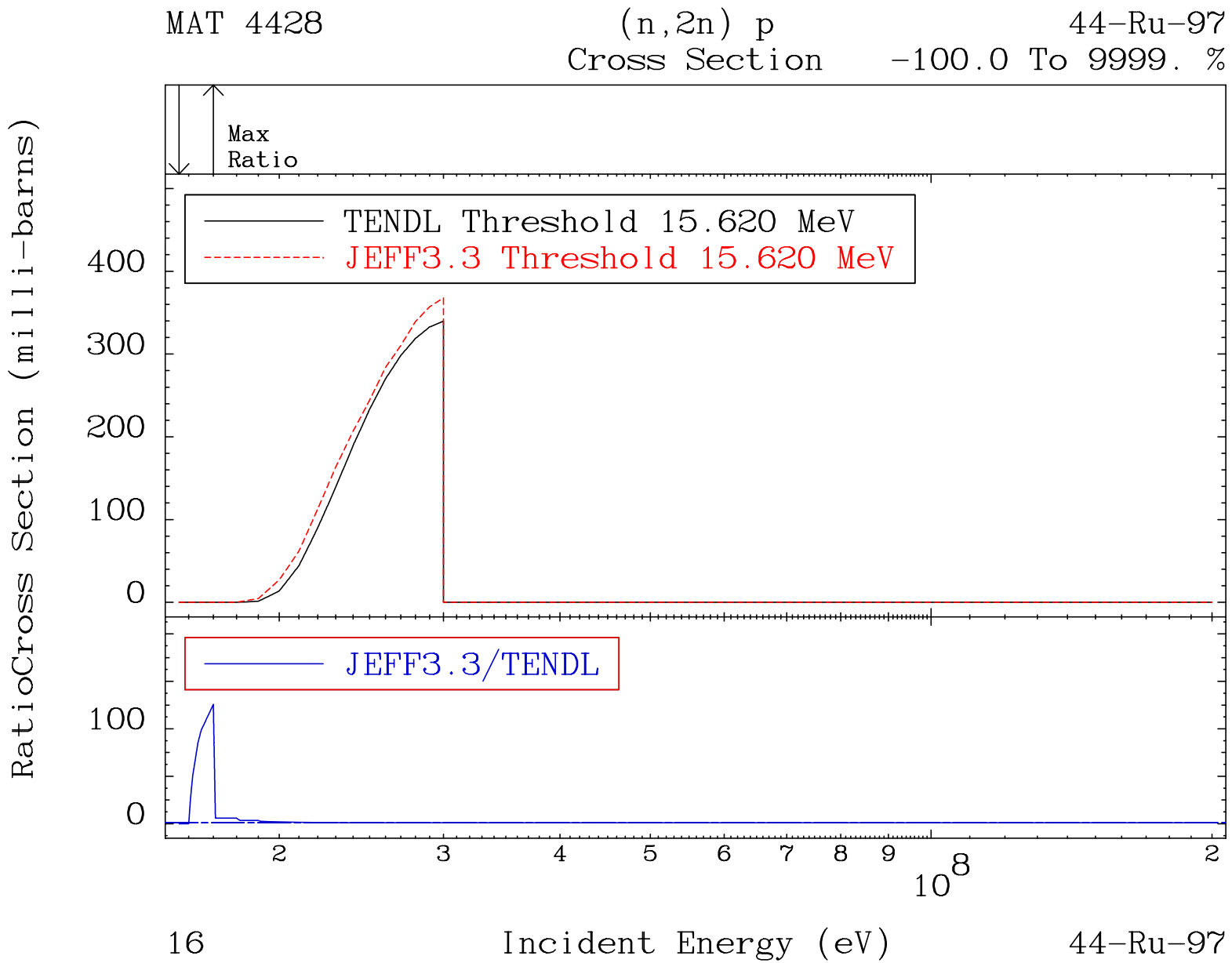

MAT 4428
(n,n') 2α
44-Ru-97
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.1558 MeV
JEFF3.3 Threshold 6.1558 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
50
40
30
20
10
0
1.2
0.8
0.4
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
44-Ru-97

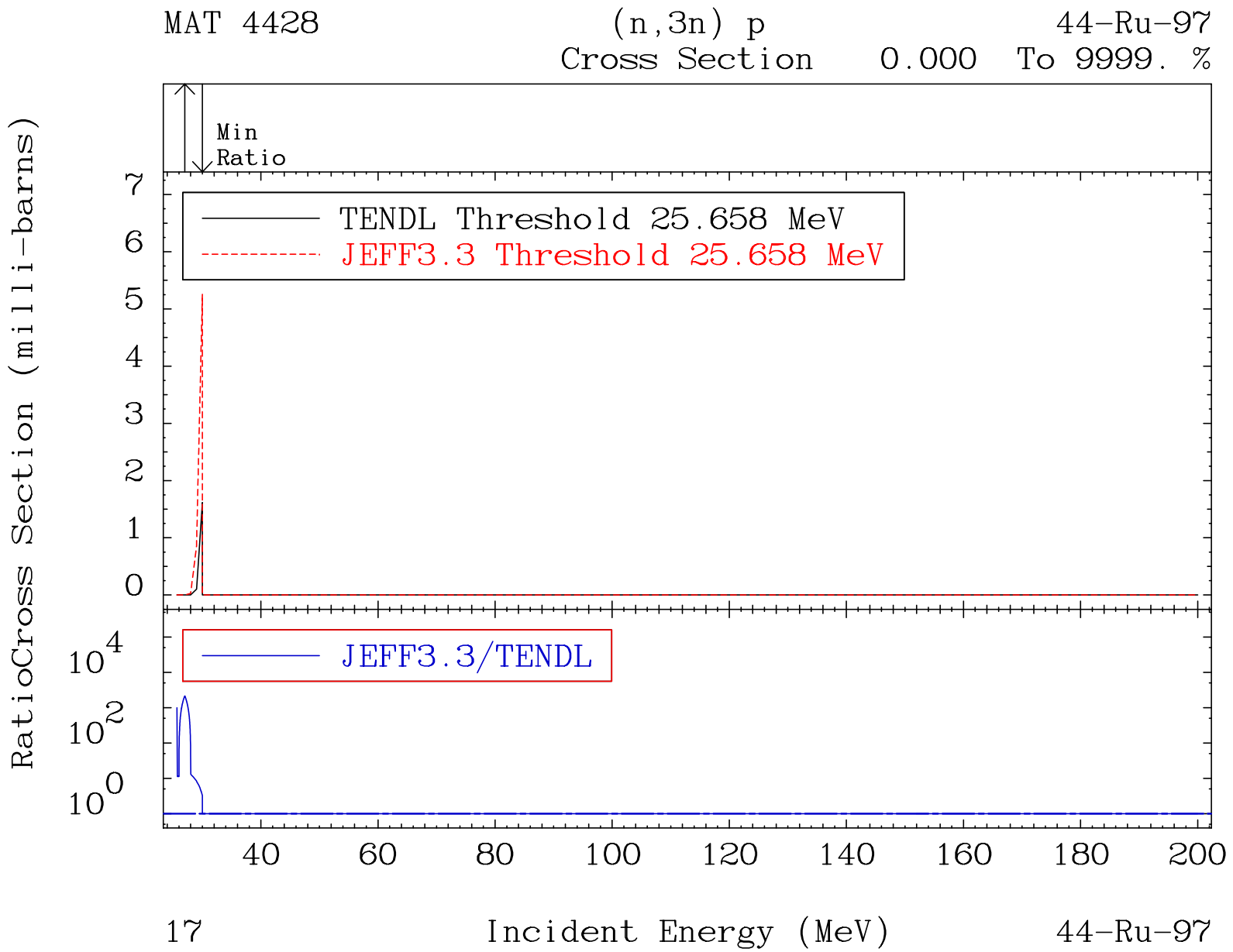

MAT 4428
(n,n') d
44-Ru-97
Cross Section 0.000 To 9999. %
Max
Ratio
TENDL Threshold 13.373 MeV
JEFF3.3 Threshold 13.373 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
44-Ru-97

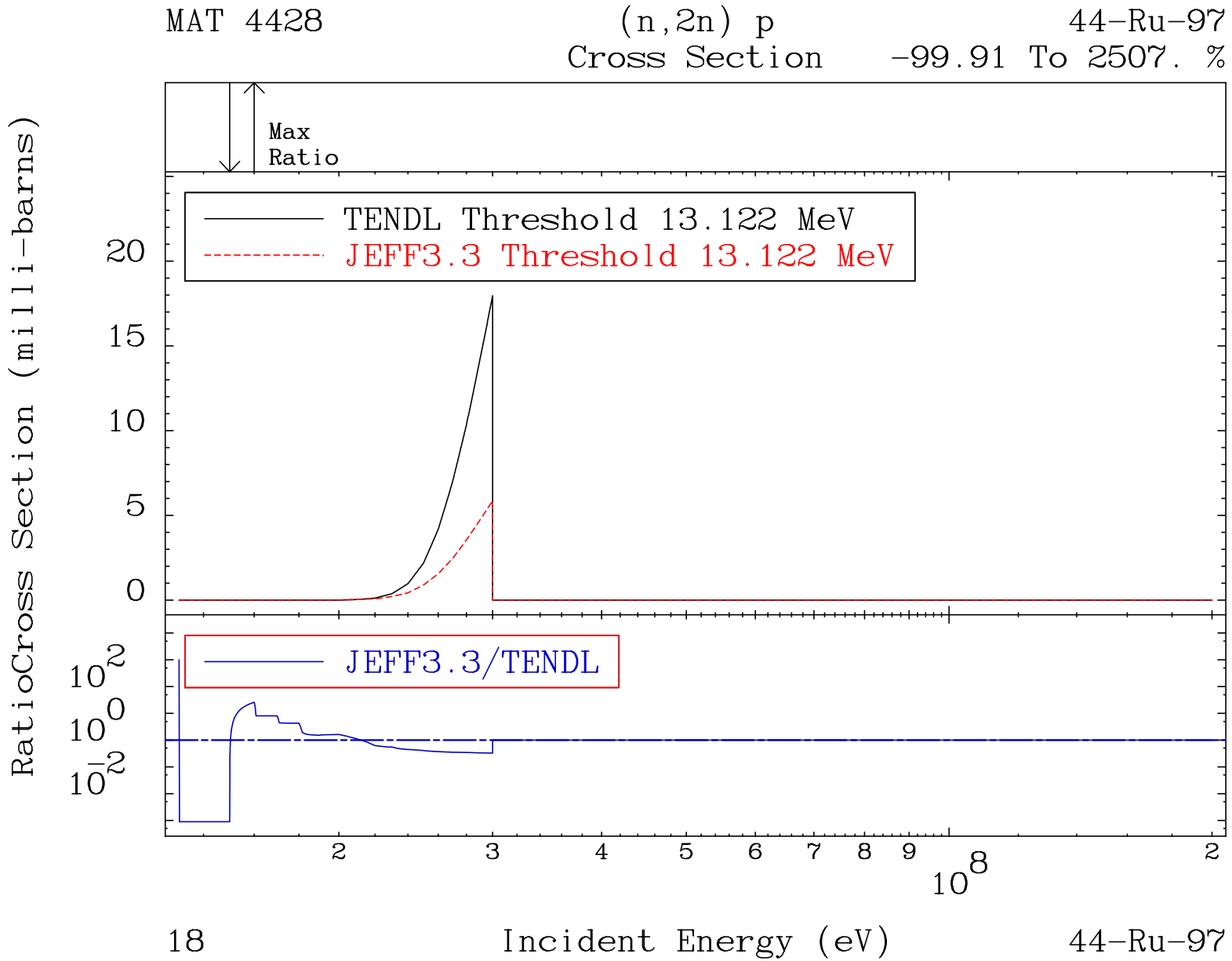

MAT 4428
(n,n') t
44-Ru-97
Cross Section 0.000 To 4079. %
Max Ratio
Min Ratio
TENDL Threshold 17.088 MeV
JEFF3.3 Threshold 17.088 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
44-Ru-97

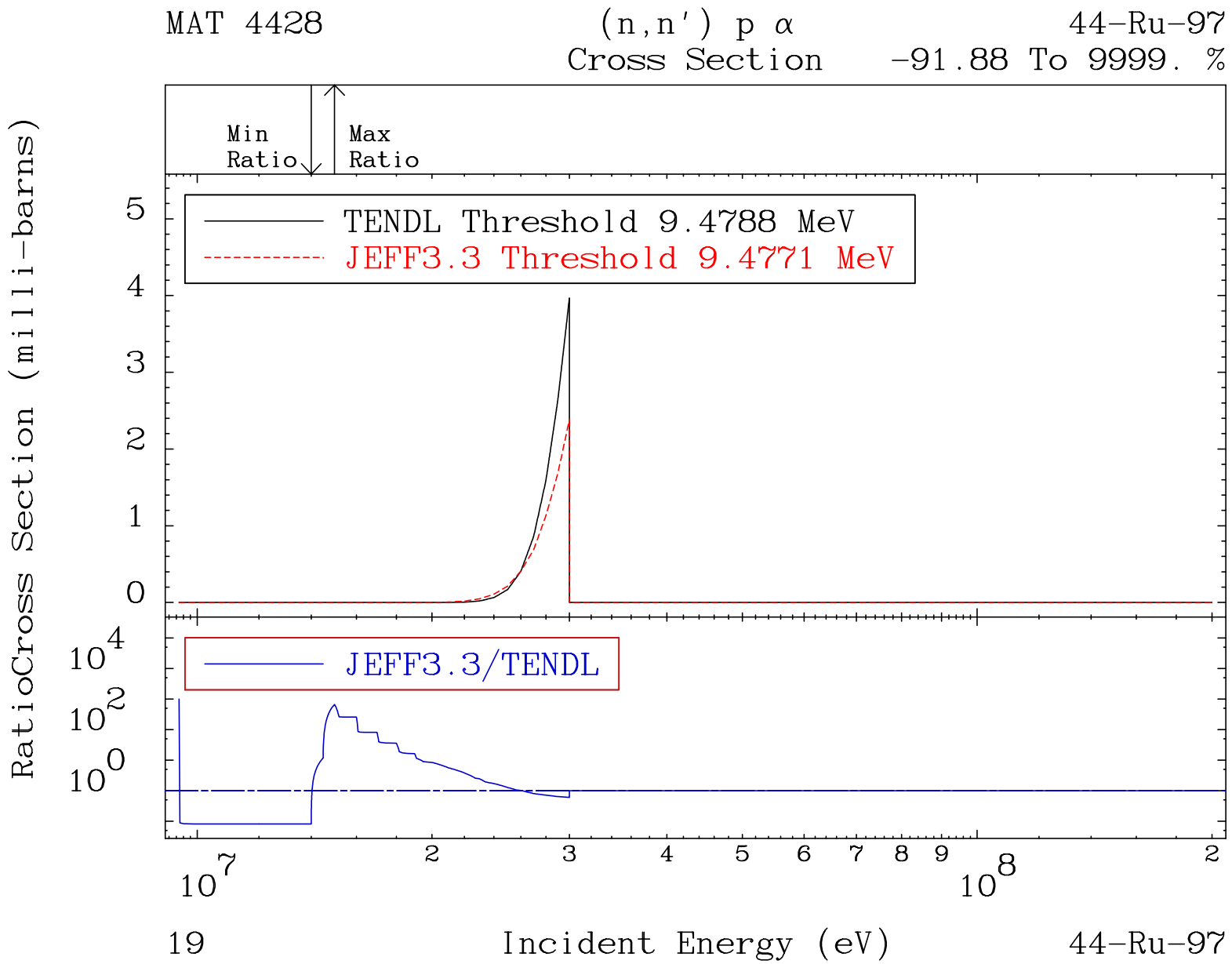

MAT 4428
(n,n') He-3
Cross Section
44-Ru-97
0.000 To 867.3 %
Max
Ratio
TENDL Threshold 12.769 MeV
JEFF3.3 Threshold 12.769 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
44-Ru-97

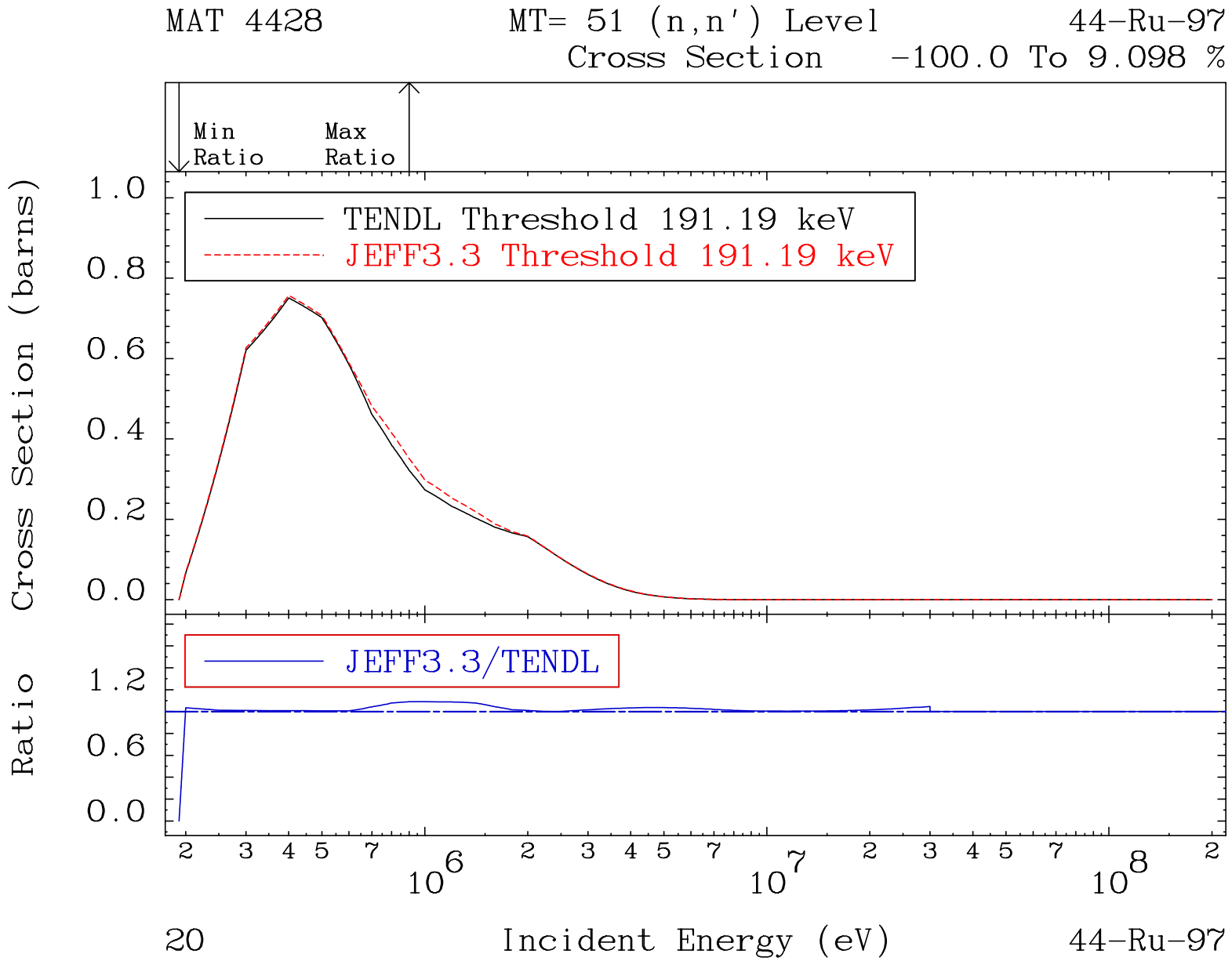

MAT 4428
(n,4n)
44-Ru-97
Cross Section 0.000 To 439.7 %
Min
Ratio
2.0
1.5
1.0
0.5
0.0
TENDL Threshold 28.040 MeV
JEFF3.3 Threshold 28.040 MeV
6
4
2
JEFF3.3/TENDL
40
60
80
100
120
140
160
180
200
RatioCross Section (milli-barns)
15
Incident Energy (MeV)
44-Ru-97

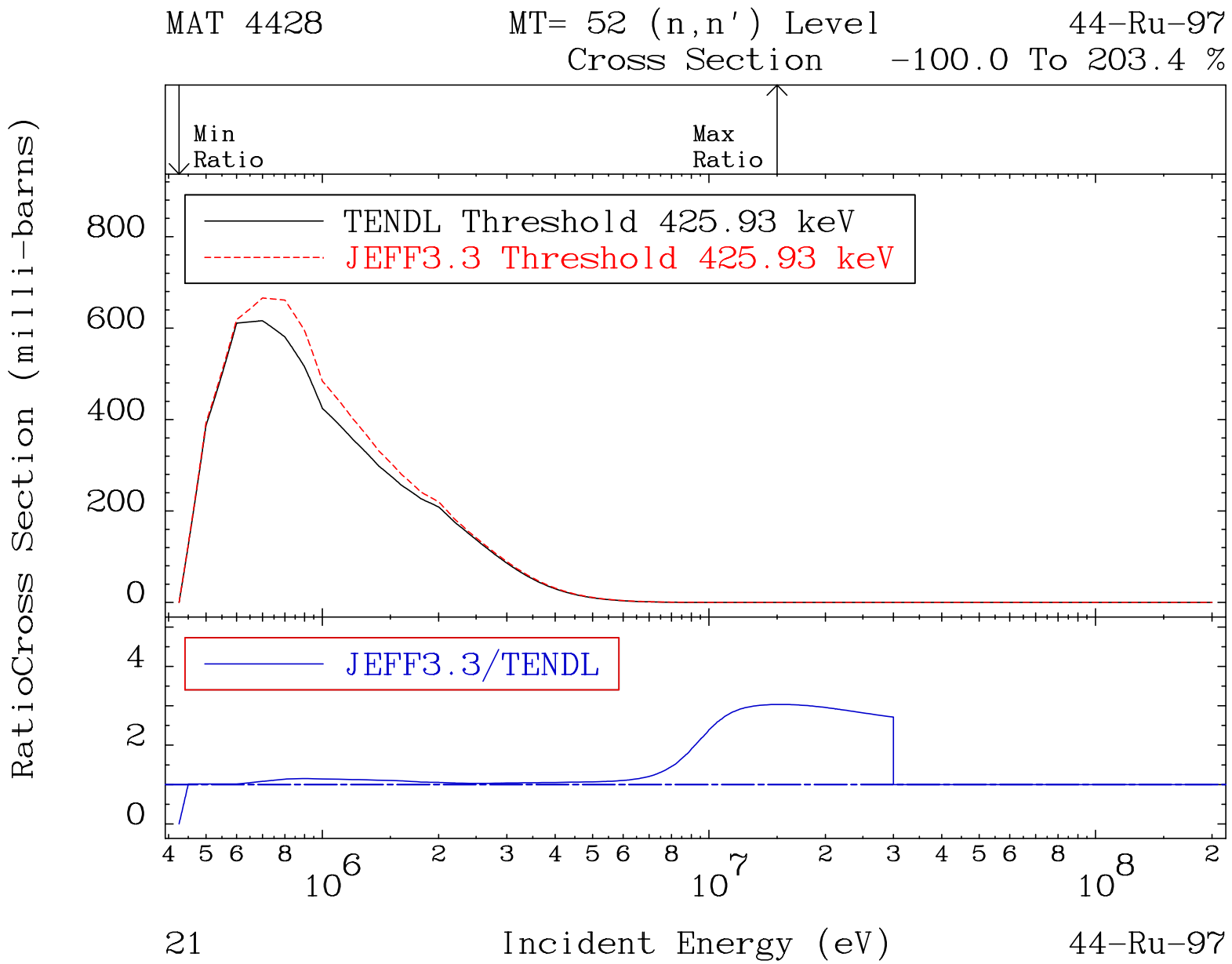

MAT 4428
(n,2n) p
Cross Section
44-Ru-97
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 15.620 MeV
JEFF3.3 Threshold 15.620 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
100
0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
44-Ru-97

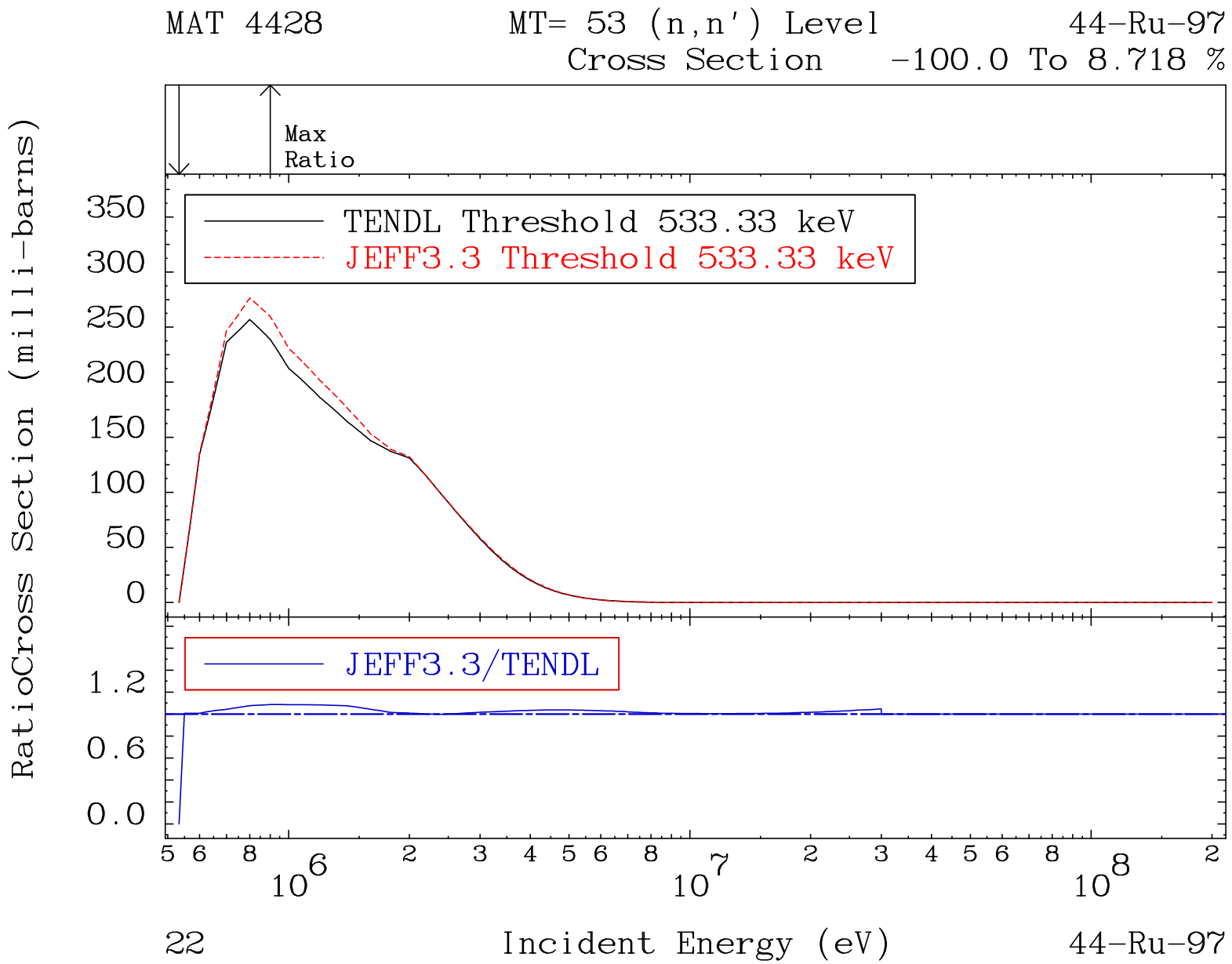

MAT 4428
(n,3n) p
44-Ru-97
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 25.658 MeV
JEFF3.3 Threshold 25.658 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
7
10^0
10^2
10^4
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
44-Ru-97

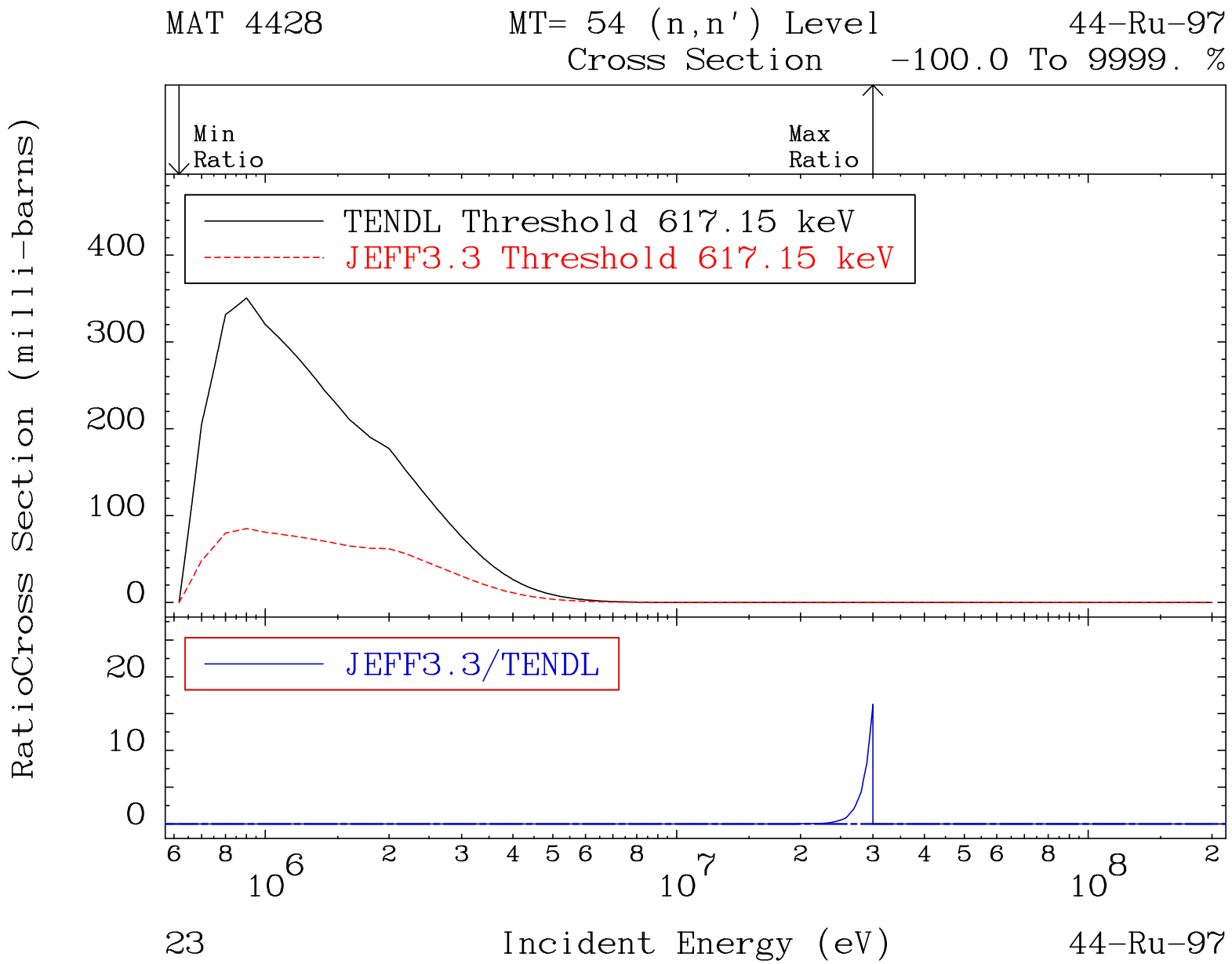

MAT 4428
(n,2n) p
Cross Section
44-Ru-97
-99.91 To 2507. %
Max
Ratio
TENDL Threshold 13.122 MeV
JEFF3.3 Threshold 13.122 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
10^{2}
10^{0}
10^{-2}
2
3
4
5
6
7
8
9
10^{8}
2
18
Incident Energy (eV)
44-Ru-97

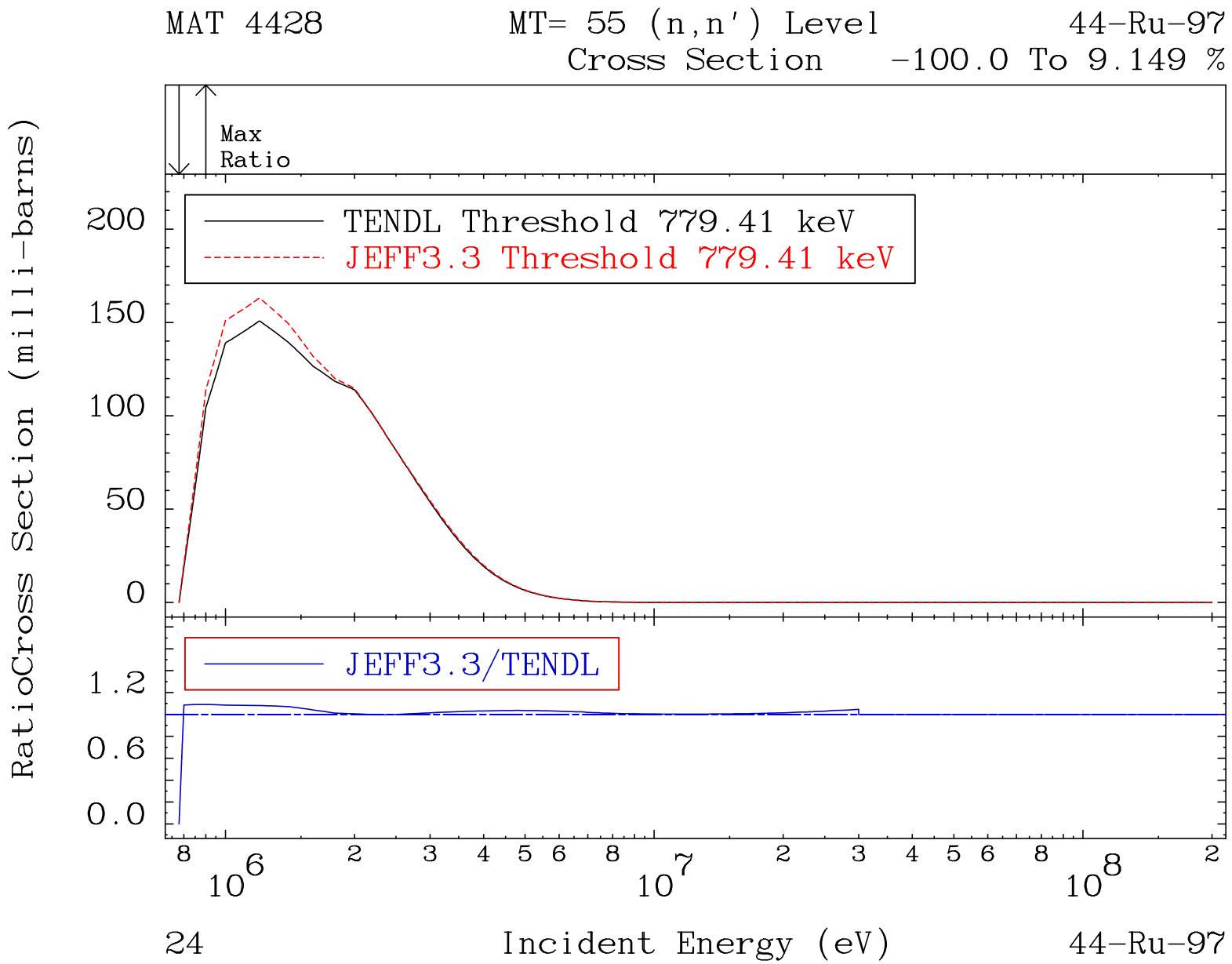

MAT 4428
(n,n') p α
Cross Section
44-Ru-97
-91.88 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.4788 MeV
JEFF3.3 Threshold 9.4771 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
44-Ru-97

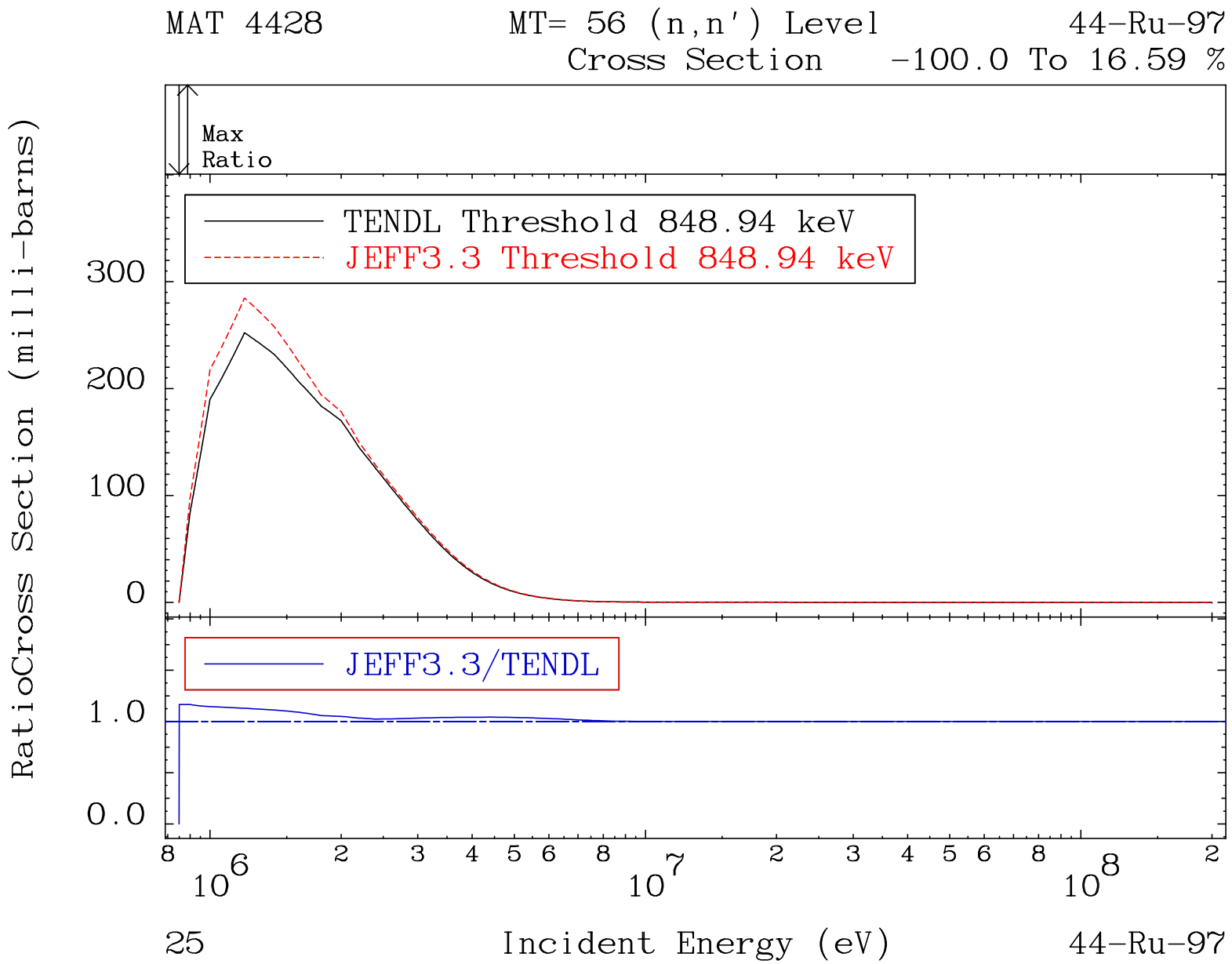

MAT 4428
MT= 51 (n,n') Level
44-Ru-97
Cross Section
-100.0 To 9.098 %
Min Ratio
Max Ratio
TENDL Threshold 191.19 keV
JEFF3.3 Threshold 191.19 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
20
44-Ru-97

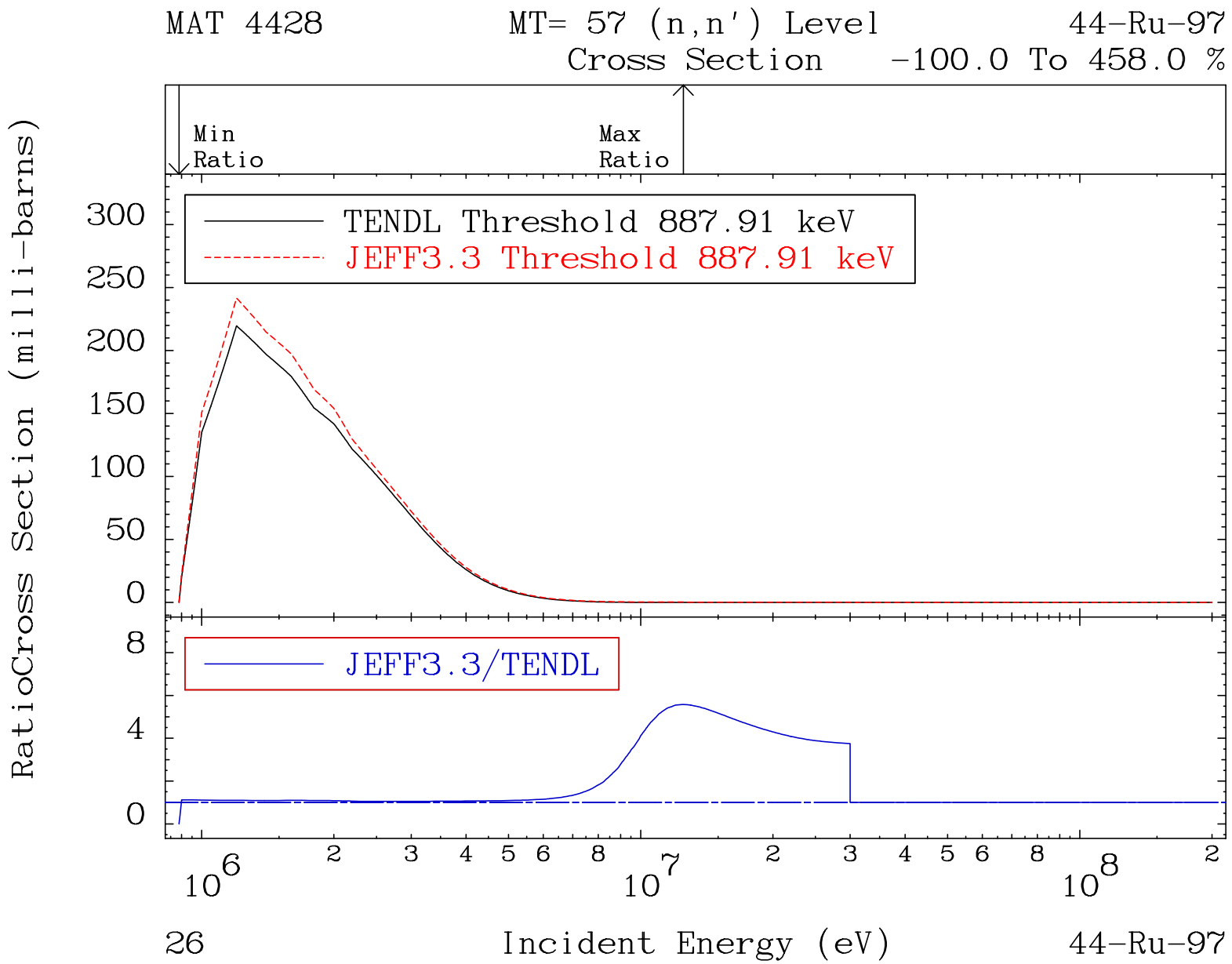

MAT 4428
MT= 52 (n,n') Level
44-Ru-97
Cross Section -100.0 To 203.4 %
Min Ratio
Max Ratio
TENDL Threshold 425.93 keV
JEFF3.3 Threshold 425.93 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
4
2
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
44-Ru-97

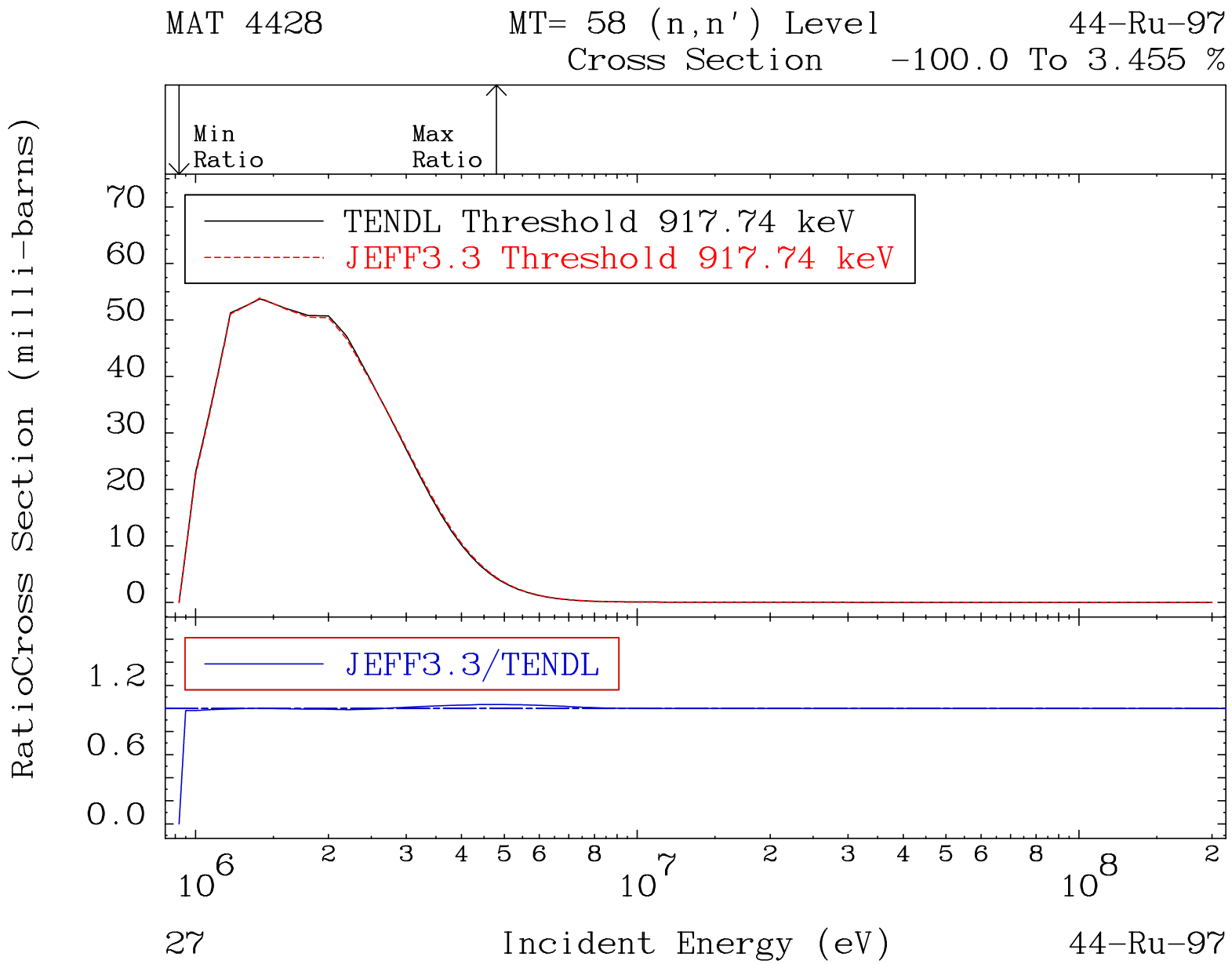

MAT 4428
MT= 53 (n,n') Level
44-Ru-97
Cross Section
-100.0 To 8.718 %
Max
Ratio
TENDL Threshold 533.33 keV
JEFF3.3 Threshold 533.33 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.2
0.6
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
44-Ru-97

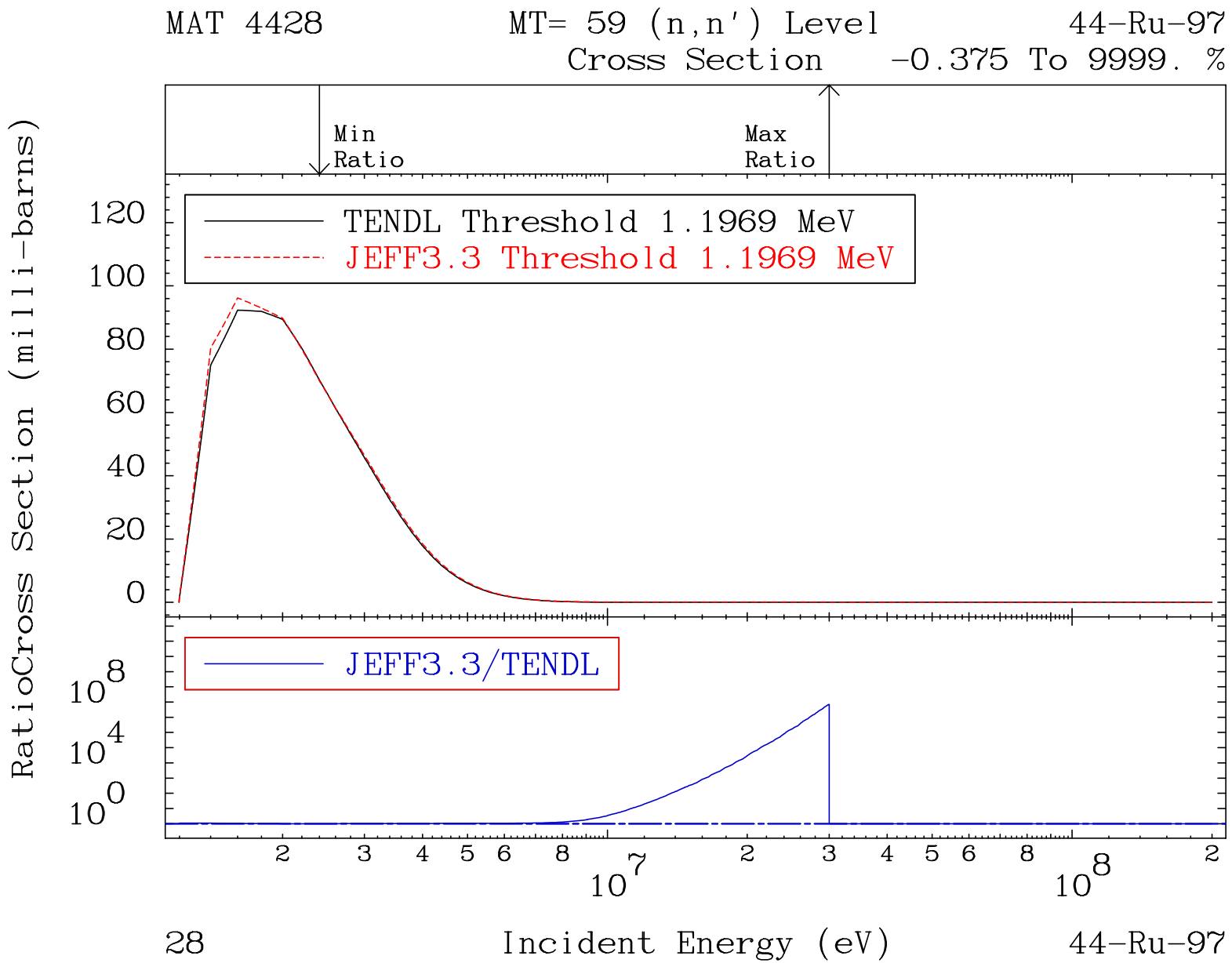

MAT 4428
MT= 54 (n,n') Level
44-Ru-97
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 617.15 keV
JEFF3.3 Threshold 617.15 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
20
10
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
44-Ru-97

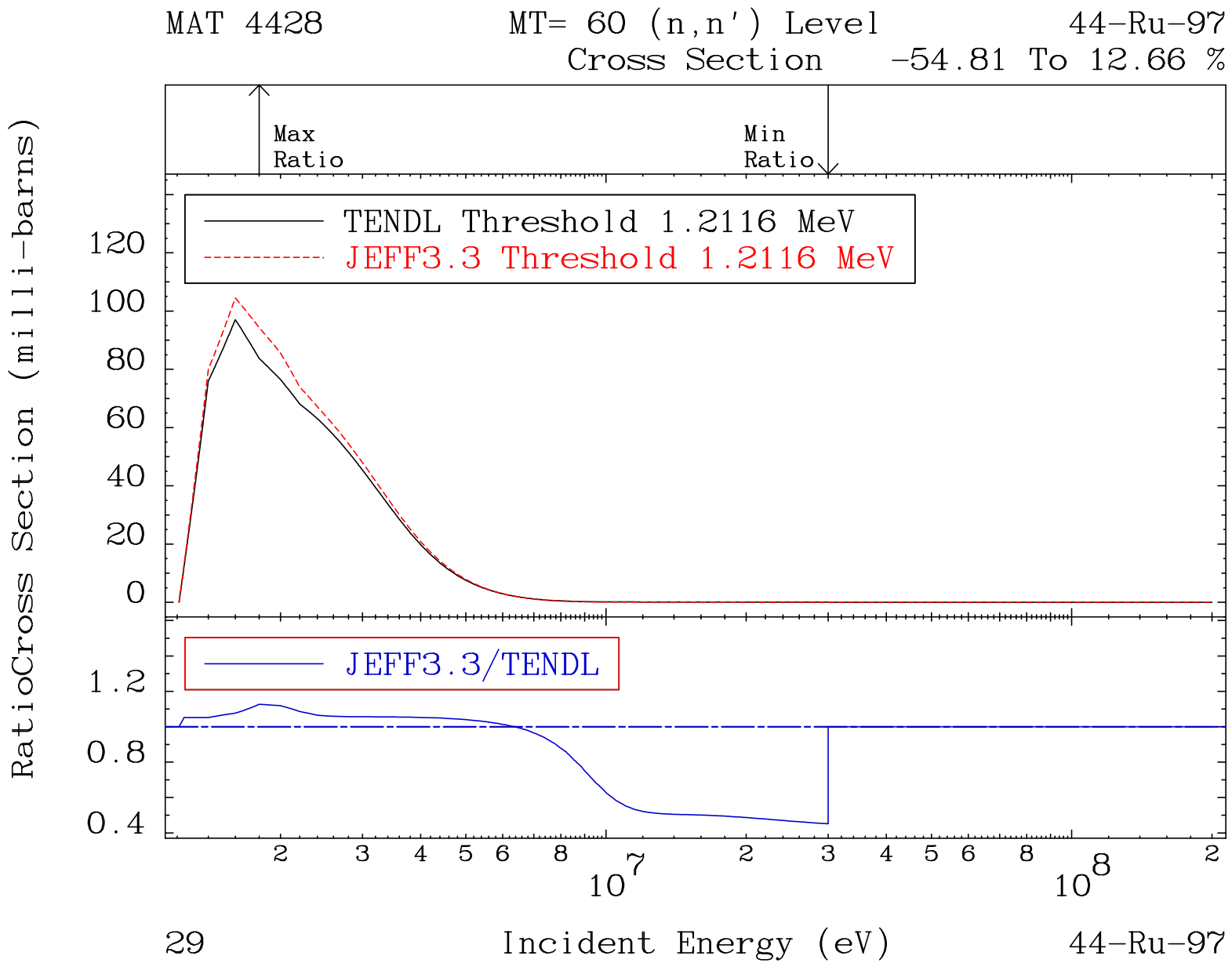

MAT 4428
MT= 55 (n,n') Level
Cross Section
44-Ru-97
-100.0 To 9.149 %
Max
Ratio
TENDL Threshold 779.41 keV
JEFF3.3 Threshold 779.41 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
24
Incident Energy (eV)
44-Ru-97

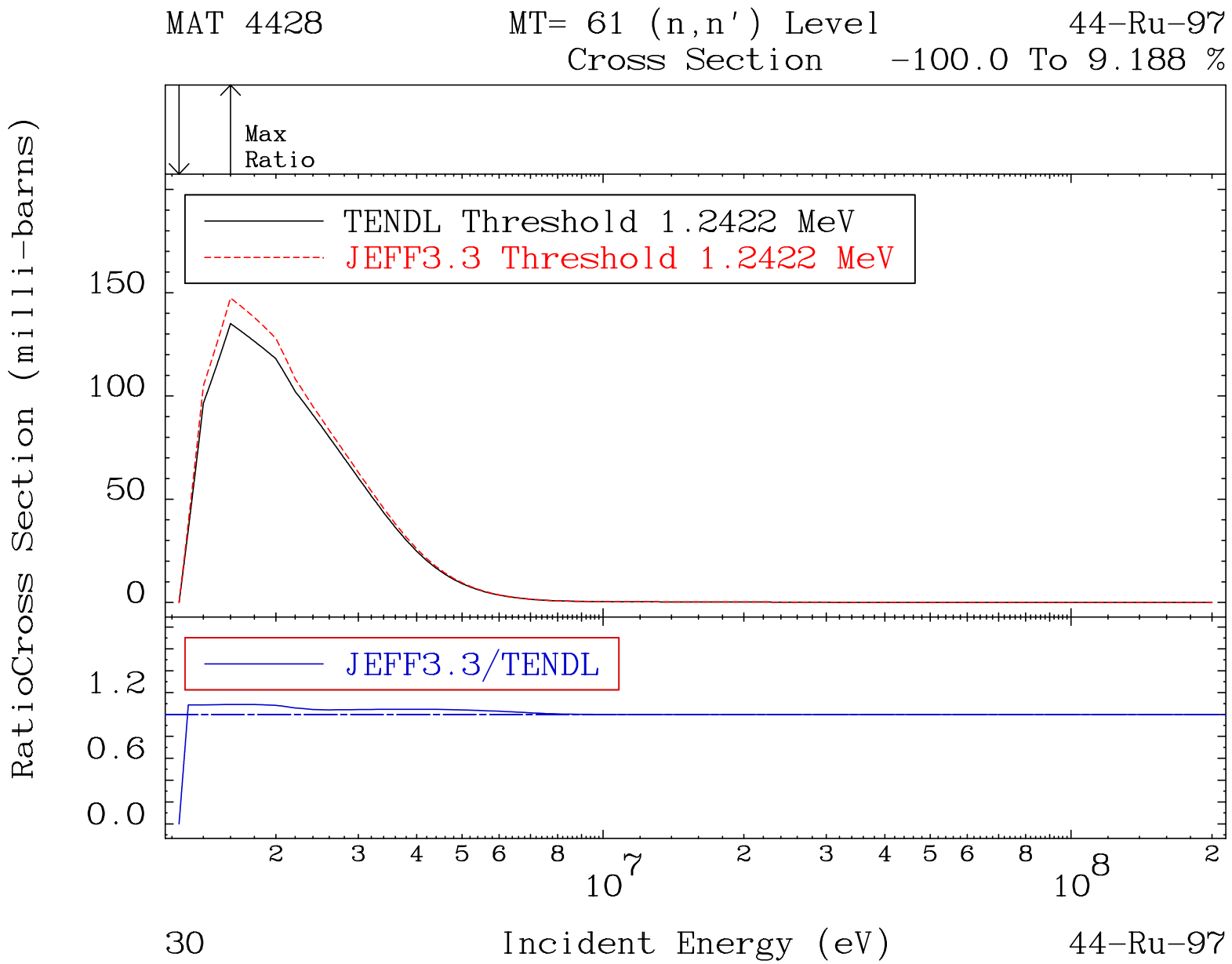

MAT 4428
MT= 56 (n,n') Level
Cross Section
44-Ru-97
-100.0 To 16.59 %
Max
Ratio
TENDL Threshold 848.94 keV
JEFF3.3 Threshold 848.94 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
200
100
0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
25
Incident Energy (eV)
44-Ru-97

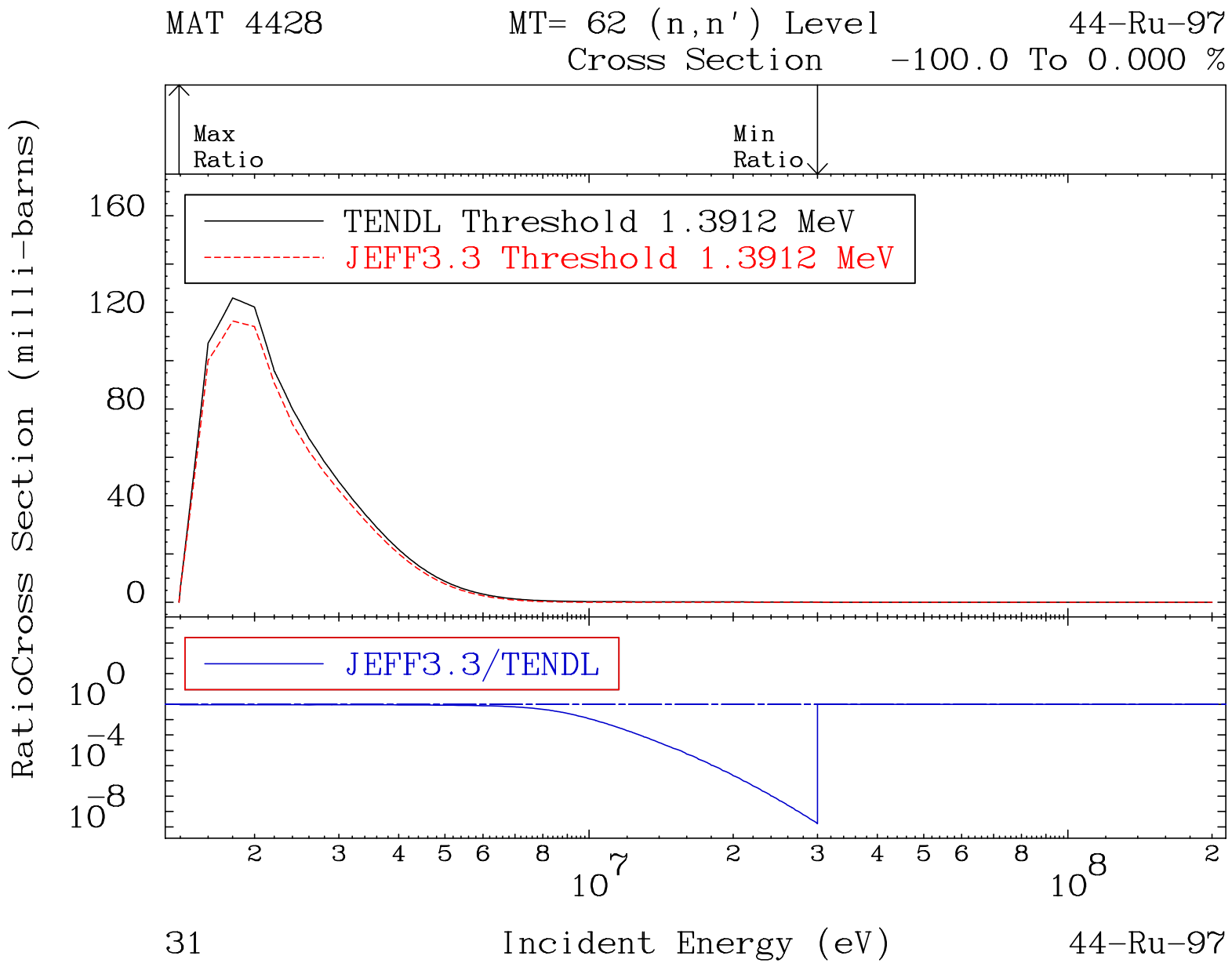

MAT 4428
MT= 57 (n,n') Level
44-Ru-97
Cross Section
-100.0 To 458.0 %
Min Ratio
Max Ratio
TENDL Threshold 887.91 keV
JEFF3.3 Threshold 887.91 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
8
4
0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
26
Incident Energy (eV)
44-Ru-97

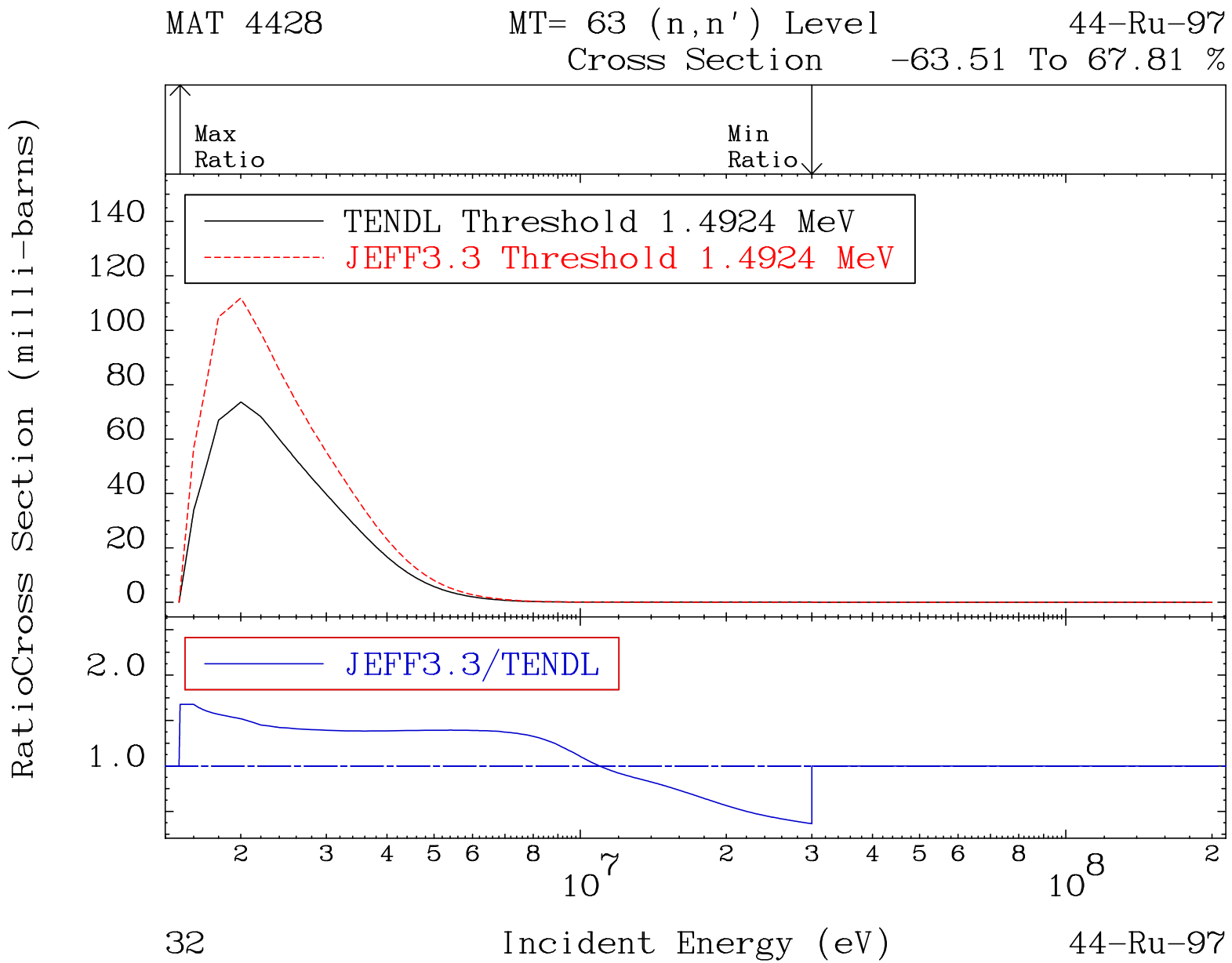

MAT 4428
MT= 58 (n,n') Level
44-Ru-97
Cross Section
-100.0 To 3.455 %
Min Ratio
Max Ratio
TENDL Threshold 917.74 keV
JEFF3.3 Threshold 917.74 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
27
Incident Energy (eV)
44-Ru-97

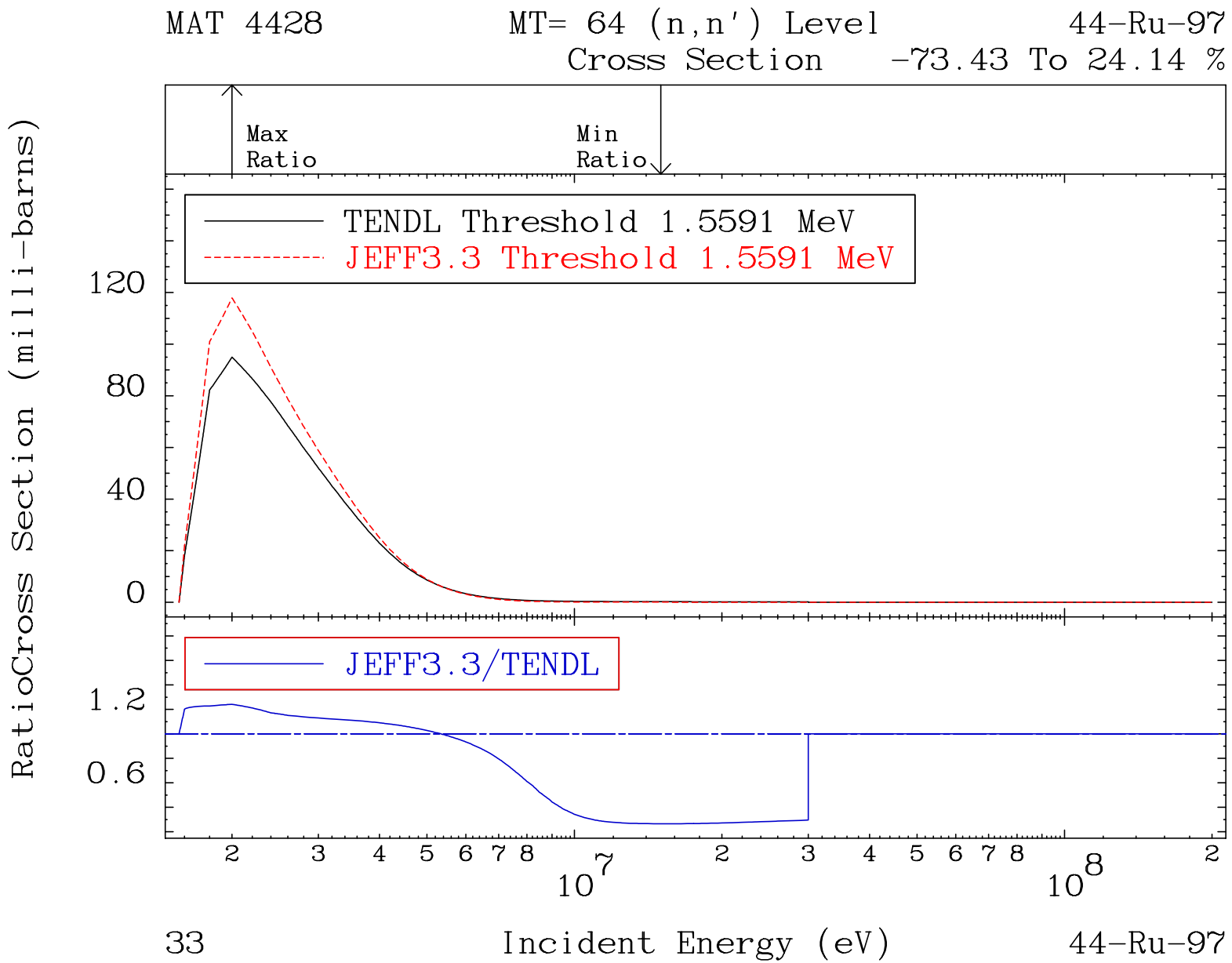

MAT 4428
MT= 59 (n,n') Level
44-Ru-97
Cross Section
-0.375 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1969 MeV
JEFF3.3 Threshold 1.1969 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^8
10^4
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
44-Ru-97

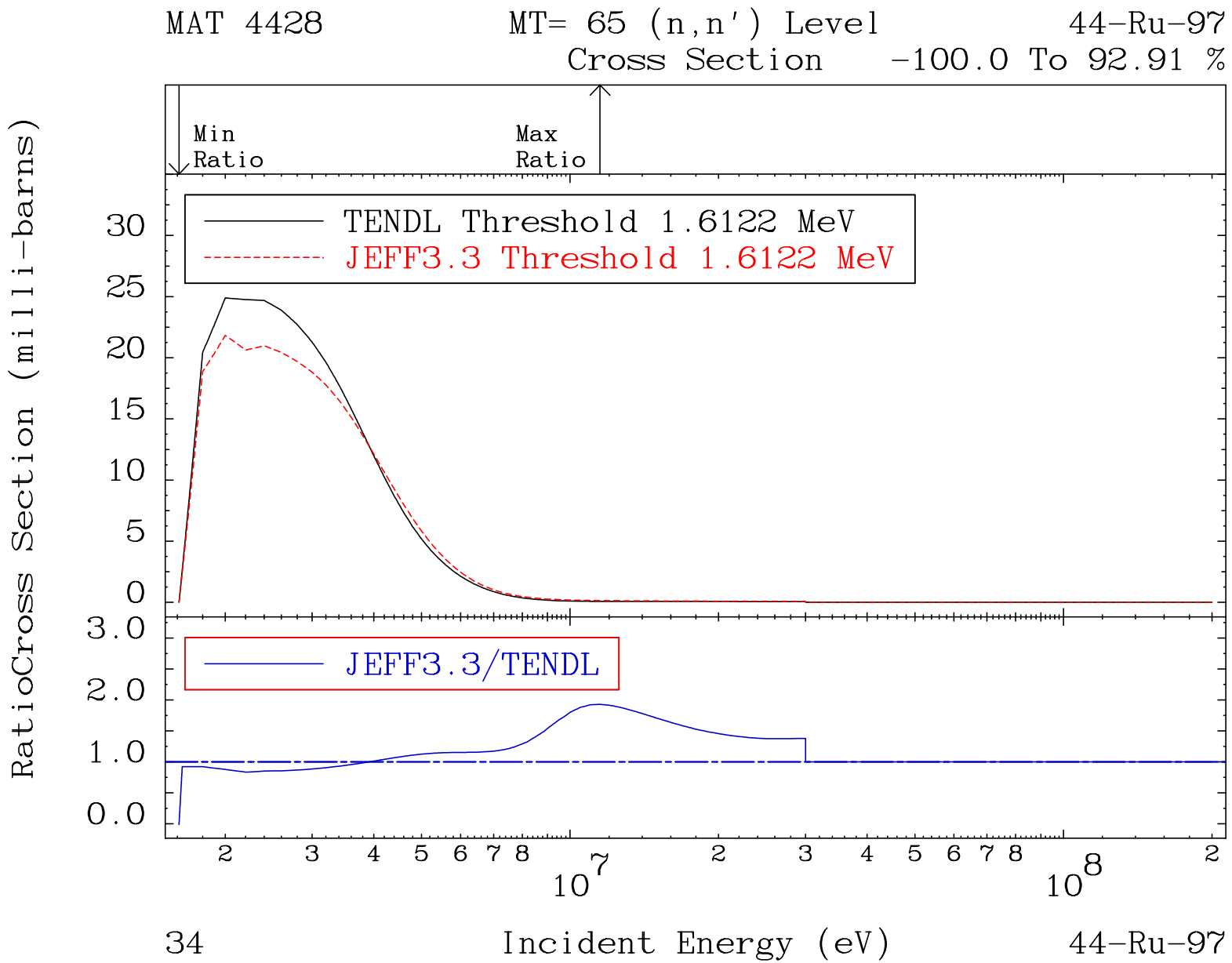

MAT 4428
MT= 60 (n,n') Level
44-Ru-97
Cross Section -54.81 To 12.66 %
Max Ratio
Min Ratio
TENDL Threshold 1.2116 MeV
JEFF3.3 Threshold 1.2116 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.8
0.4
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
44-Ru-97

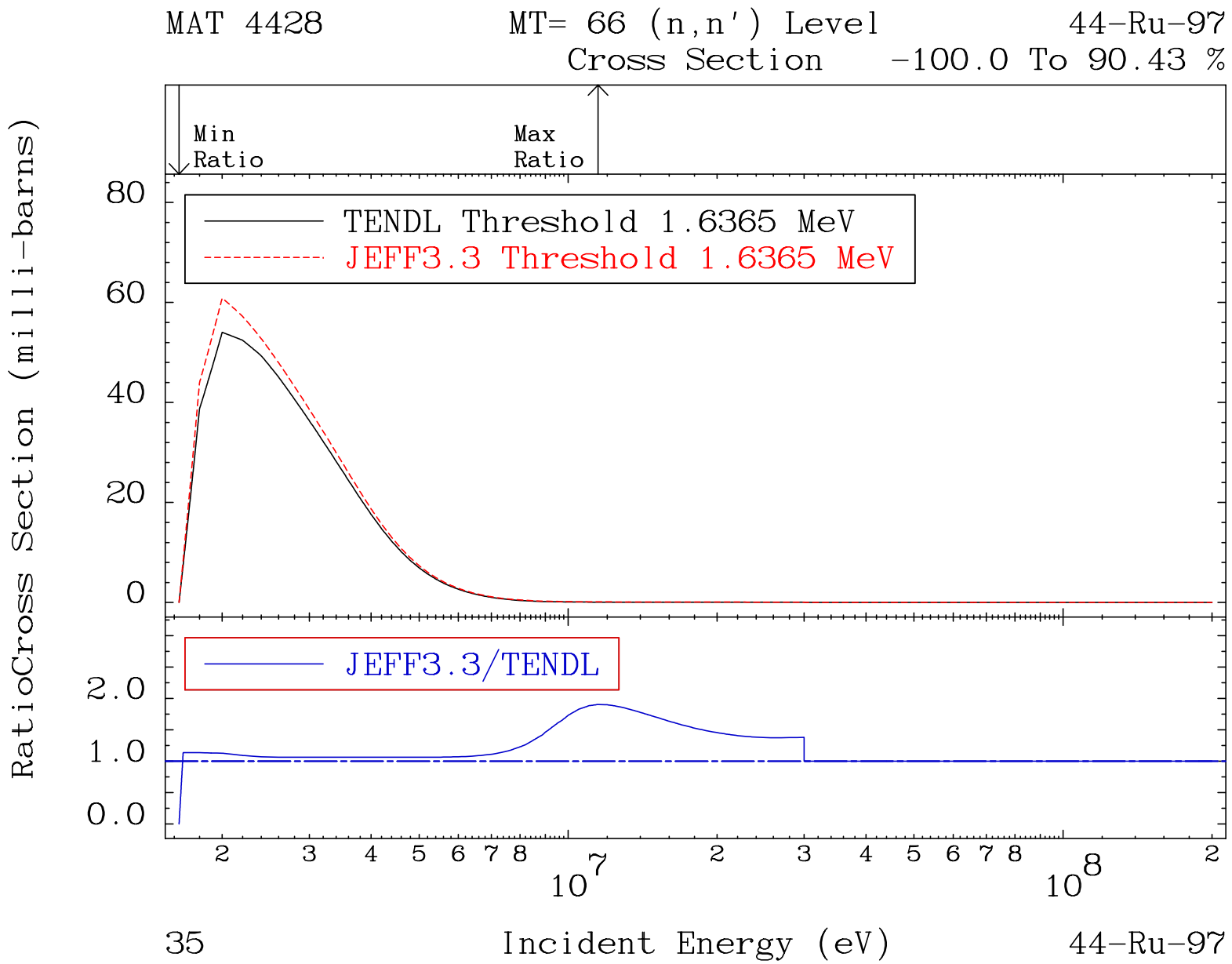

MAT 4428
MT= 61 (n,n') Level
44-Ru-97
Cross Section -100.0 To 9.188 %
Max
Ratio
TENDL Threshold 1.2422 MeV
JEFF3.3 Threshold 1.2422 MeV
150
100
50
0
JEFF3.3/TENDL
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
RatioCross Section (milli-barns)
30
Incident Energy (eV)
44-Ru-97

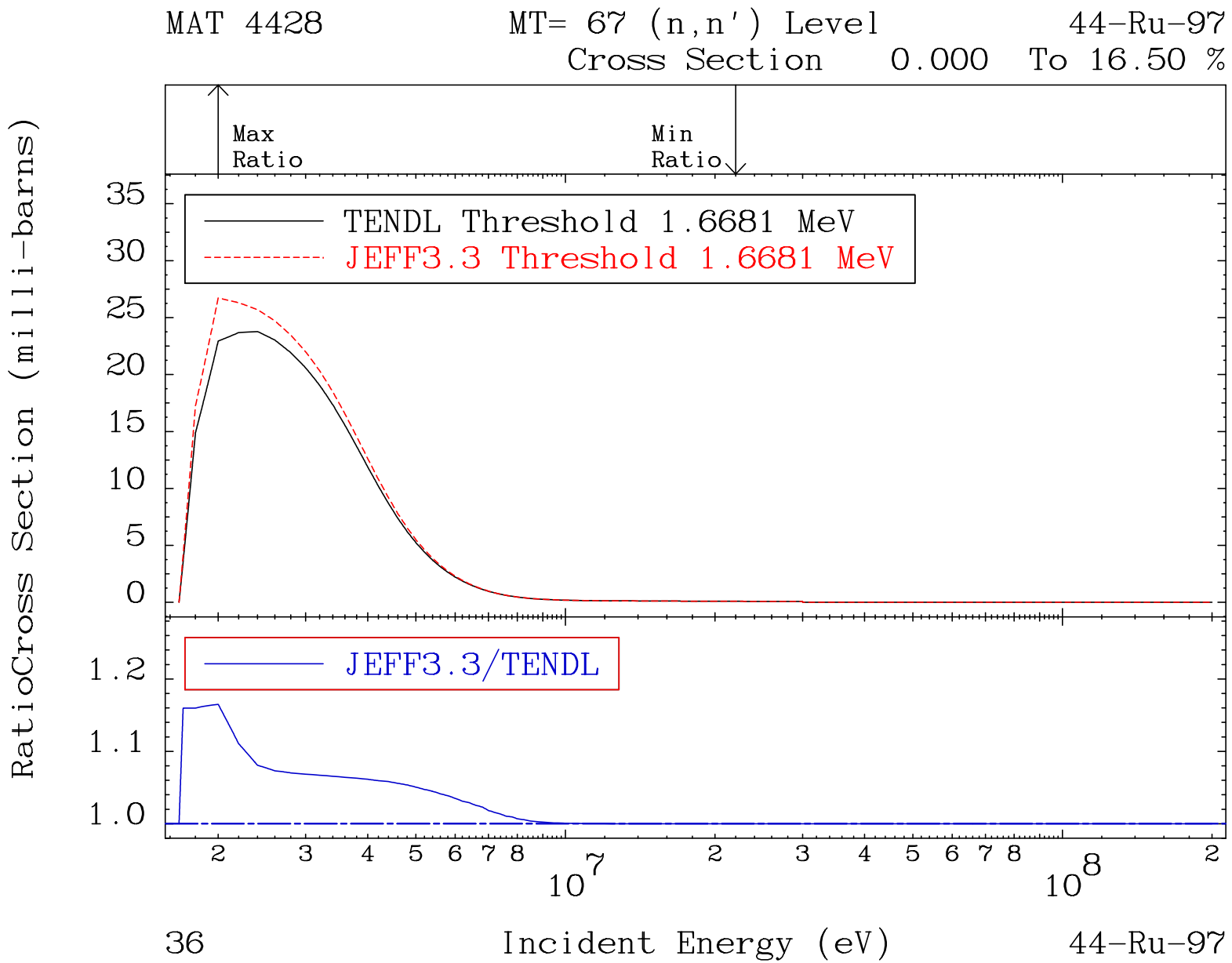

MAT 4428
MT= 62 (n,n') Level
44-Ru-97
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 1.3912 MeV
JEFF3.3 Threshold 1.3912 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^{0}
10^{-4}
10^{-8}
2 3 4 5 6 8 10^{7} 2 3 4 5 6 8 10^{8} 2
31
Incident Energy (eV)
44-Ru-97

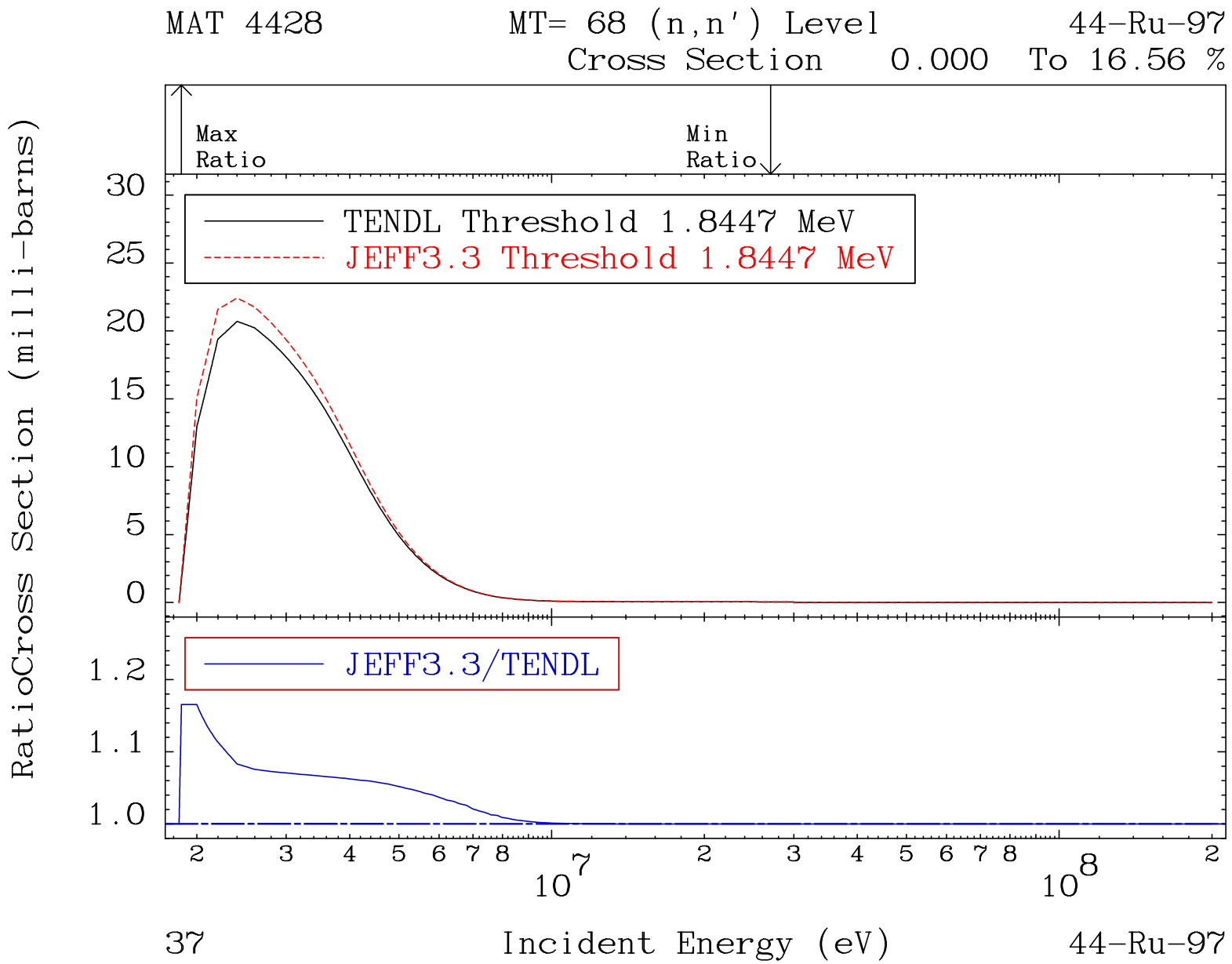

MAT 4428
MT= 63 (n,n') Level
Cross Section
44-Ru-97
-63.51 To 67.81 %
Max Ratio
Min Ratio
TENDL Threshold 1.4924 MeV
JEFF3.3 Threshold 1.4924 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
32
Incident Energy (eV)
44-Ru-97

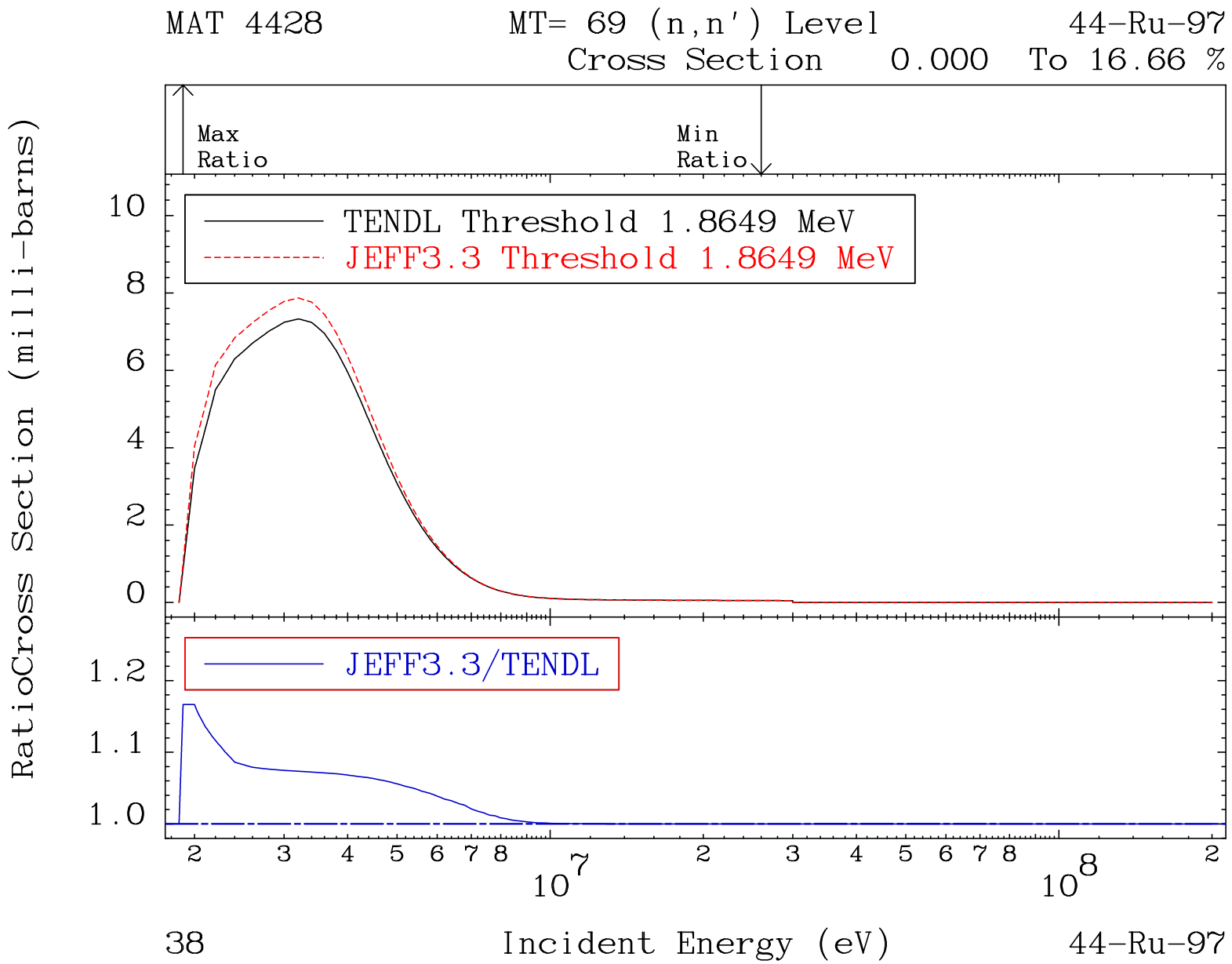

MAT 4428
MT= 64 (n,n') Level
44-Ru-97
Cross Section -73.43 To 24.14 %
Max Ratio
Min Ratio
TENDL Threshold 1.5591 MeV
JEFF3.3 Threshold 1.5591 MeV
120
80
40
0
JEFF3.3/TENDL
1.2
0.6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
33
Incident Energy (eV)
44-Ru-97

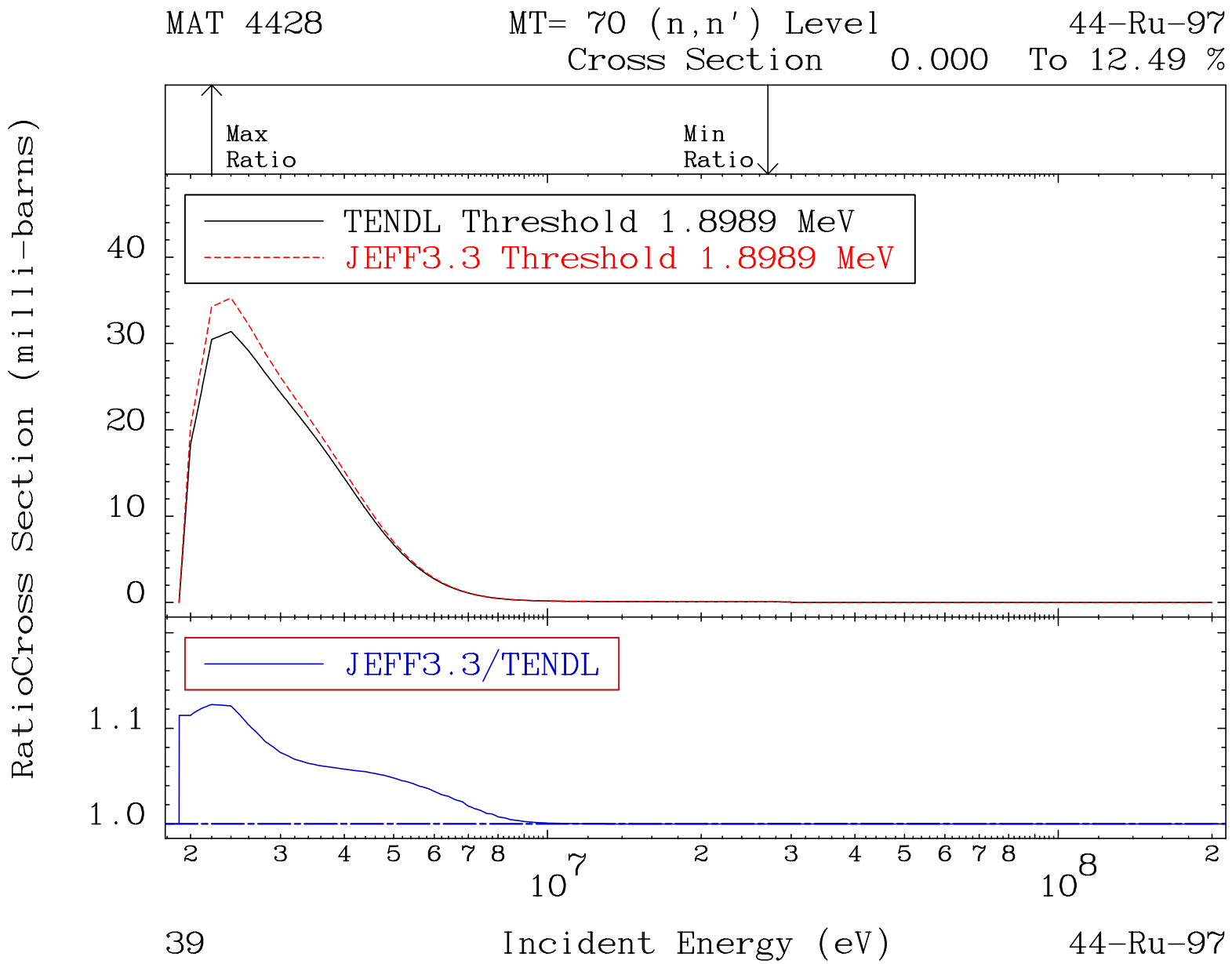

MAT 4428
MT= 65 (n,n') Level
44-Ru-97
Cross Section -100.0 To 92.91 %
Min Ratio
Max Ratio
TENDL Threshold 1.6122 MeV
JEFF3.3 Threshold 1.6122 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
44-Ru-97

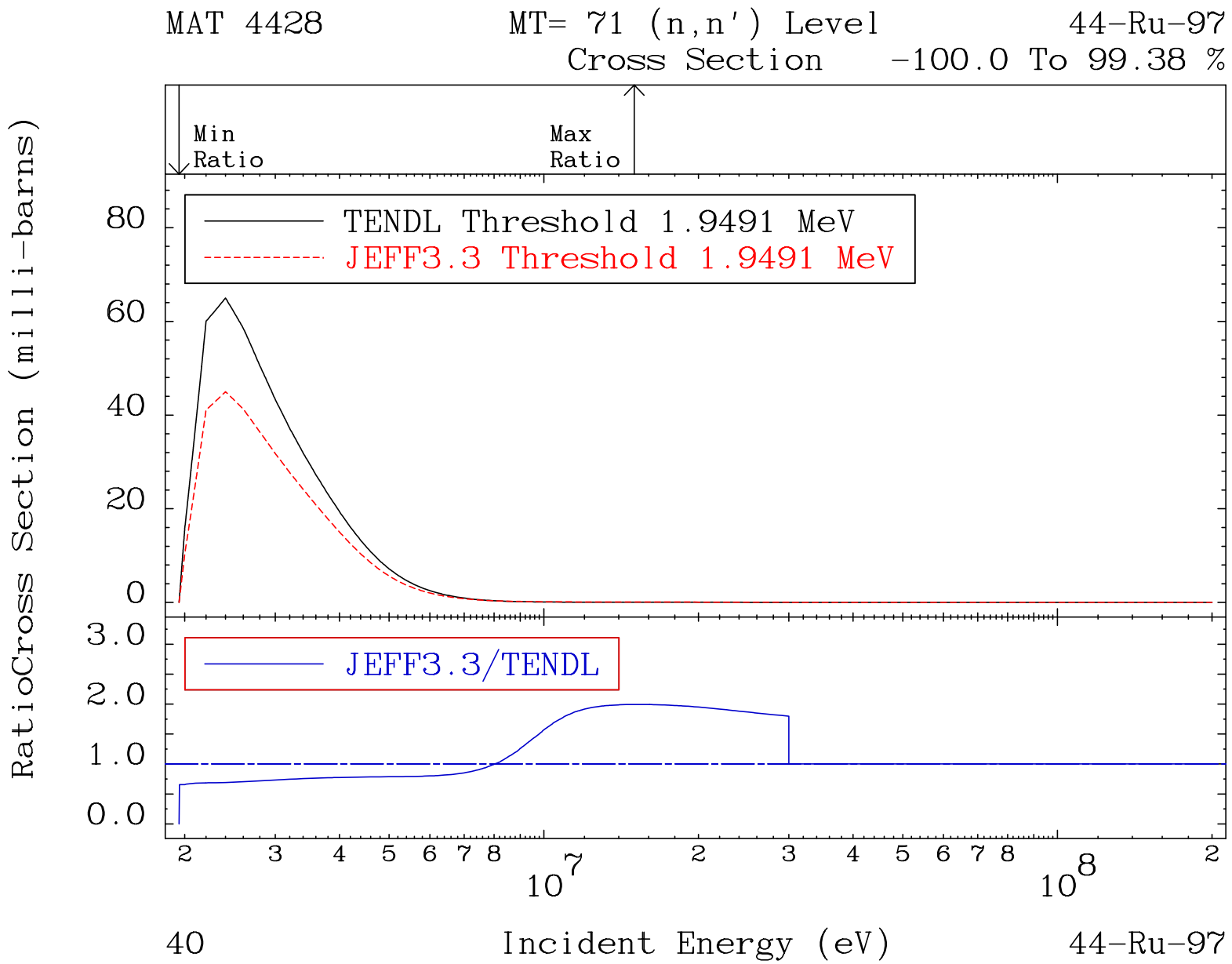

MAT 4428
MT= 66 (n,n') Level
44-Ru-97
Cross Section -100.0 To 90.43 %
Min Ratio
Max Ratio
TENDL Threshold 1.6365 MeV
JEFF3.3 Threshold 1.6365 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
44-Ru-97

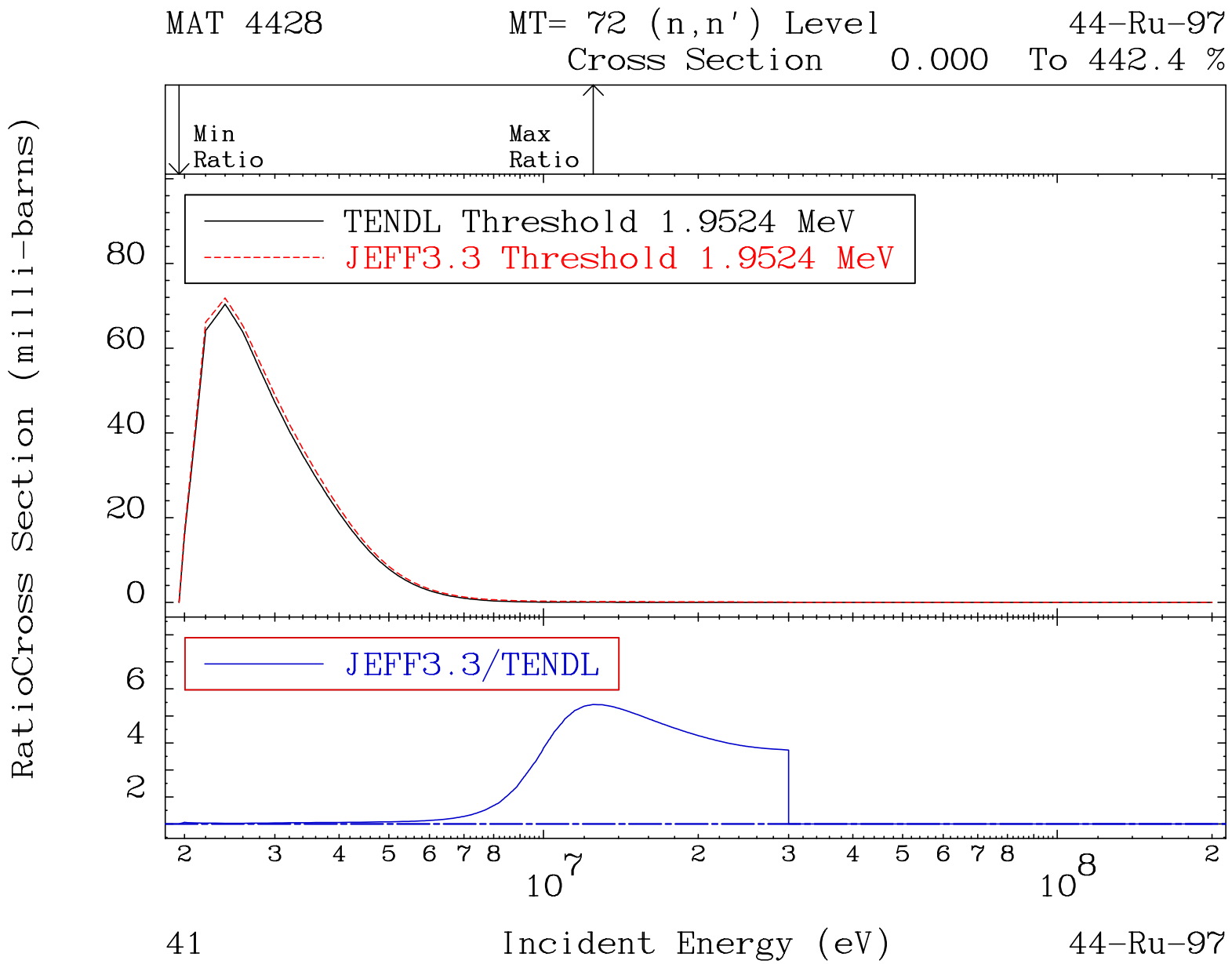

MAT 4428
MT= 67 (n,n') Level
44-Ru-97
Cross Section 0.000 To 16.50 %
Max Ratio
Min Ratio
TENDL Threshold 1.6681 MeV
JEFF3.3 Threshold 1.6681 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
1.2
1.1
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
44-Ru-97

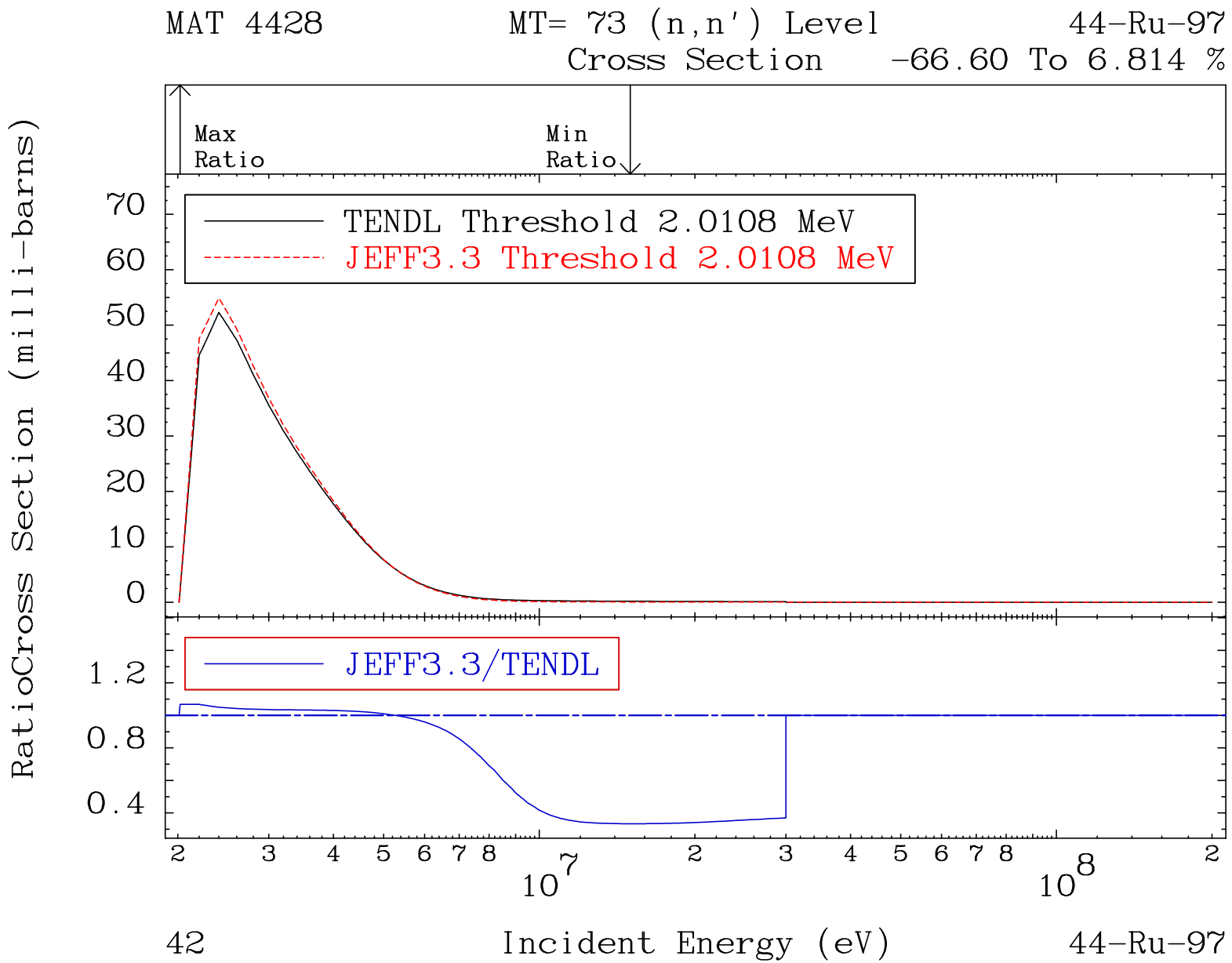

MAT 4428
MT= 68 (n,n') Level
44-Ru-97
Cross Section 0.000 To 16.56 %
Max Ratio
Min Ratio
TENDL Threshold 1.8447 MeV
JEFF3.3 Threshold 1.8447 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
1.1
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
44-Ru-97

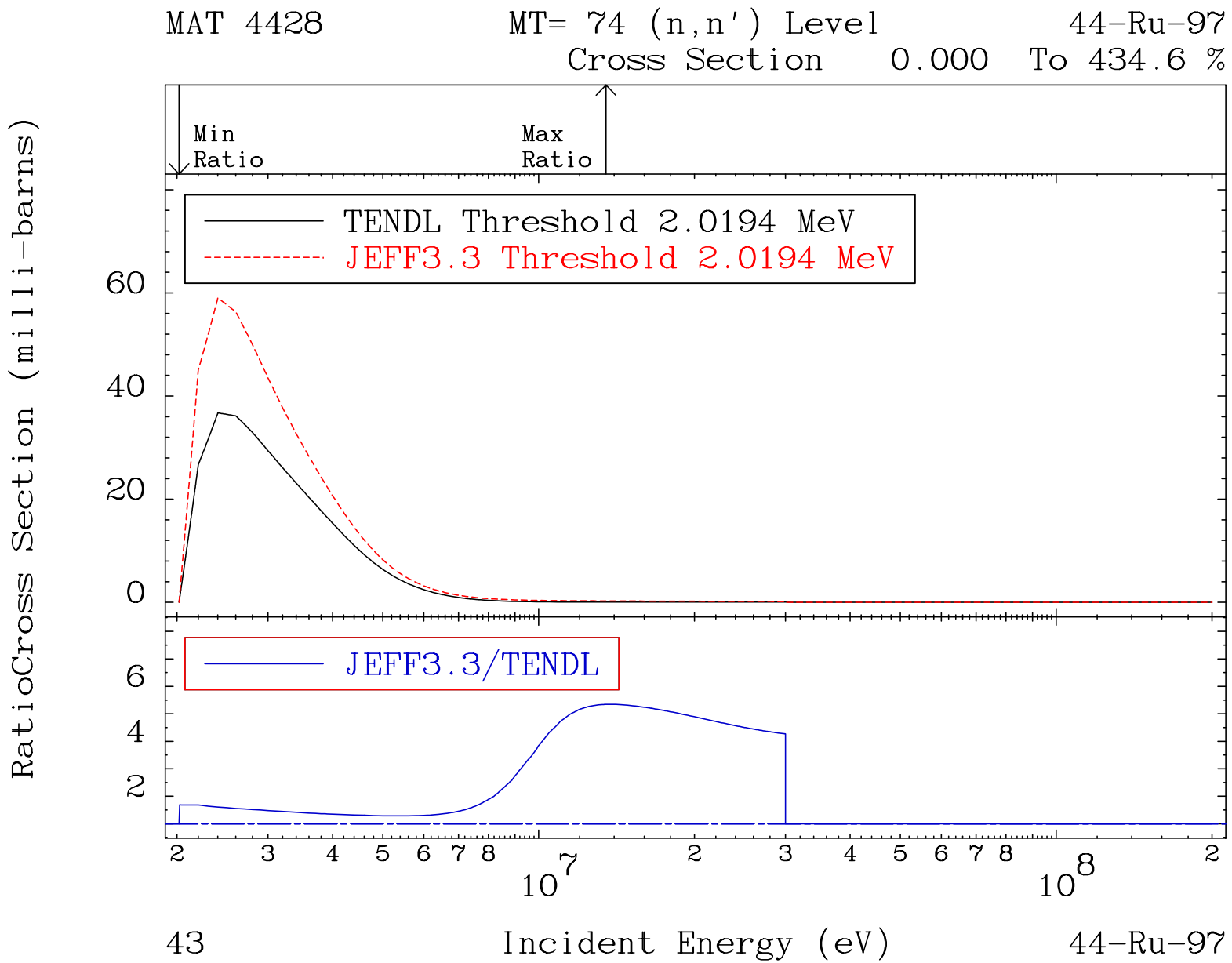

MAT 4428
MT= 69 (n,n') Level
44-Ru-97
Cross Section 0.000 To 16.66 %
Max Ratio
Min Ratio
TENDL Threshold 1.8649 MeV
JEFF3.3 Threshold 1.8649 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
1.1
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
44-Ru-97

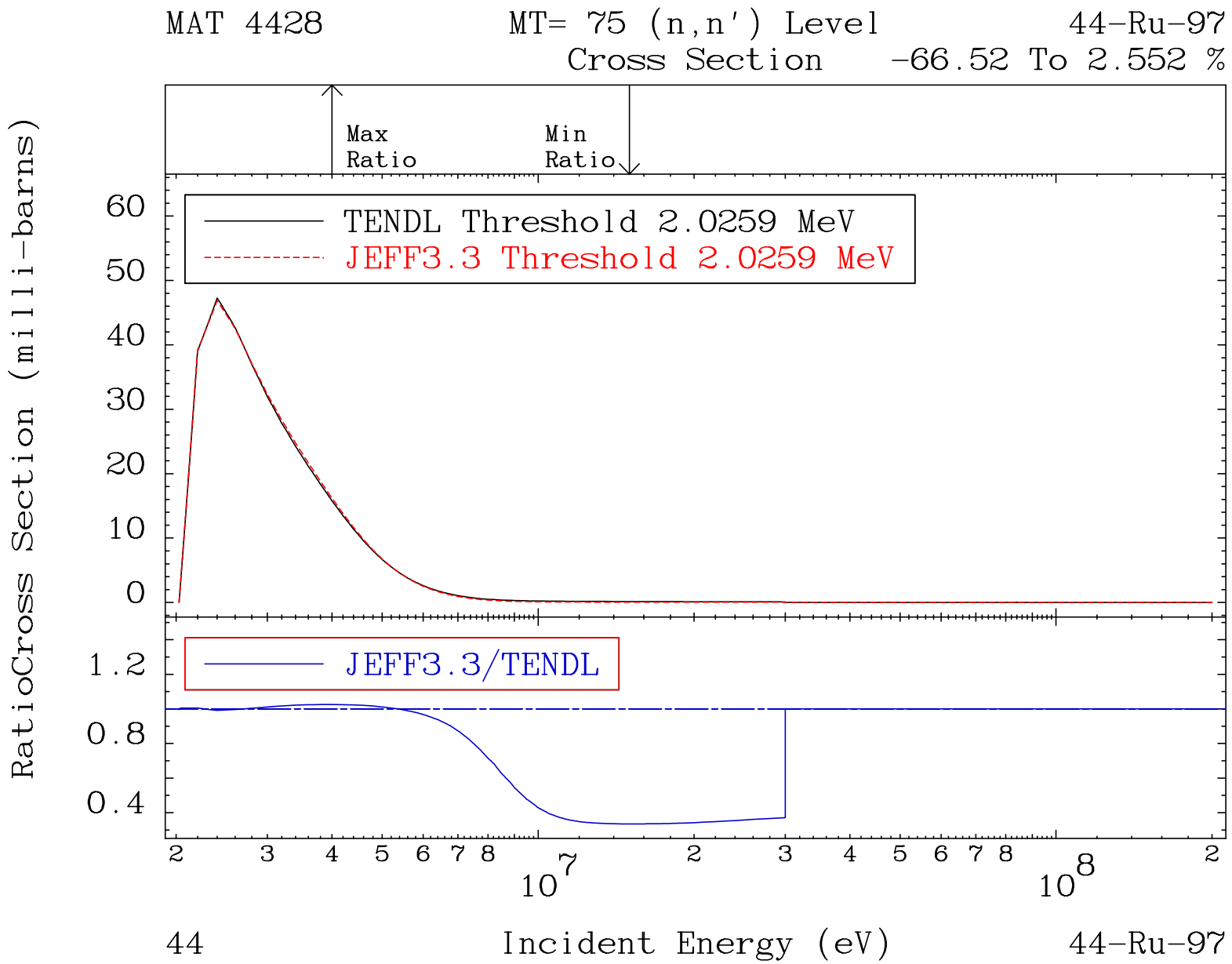

MAT 4428
MT= 70 (n,n') Level
44-Ru-97
Cross Section 0.000 To 12.49 %
Max Ratio
Min Ratio
TENDL Threshold 1.8989 MeV
JEFF3.3 Threshold 1.8989 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.1
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
44-Ru-97

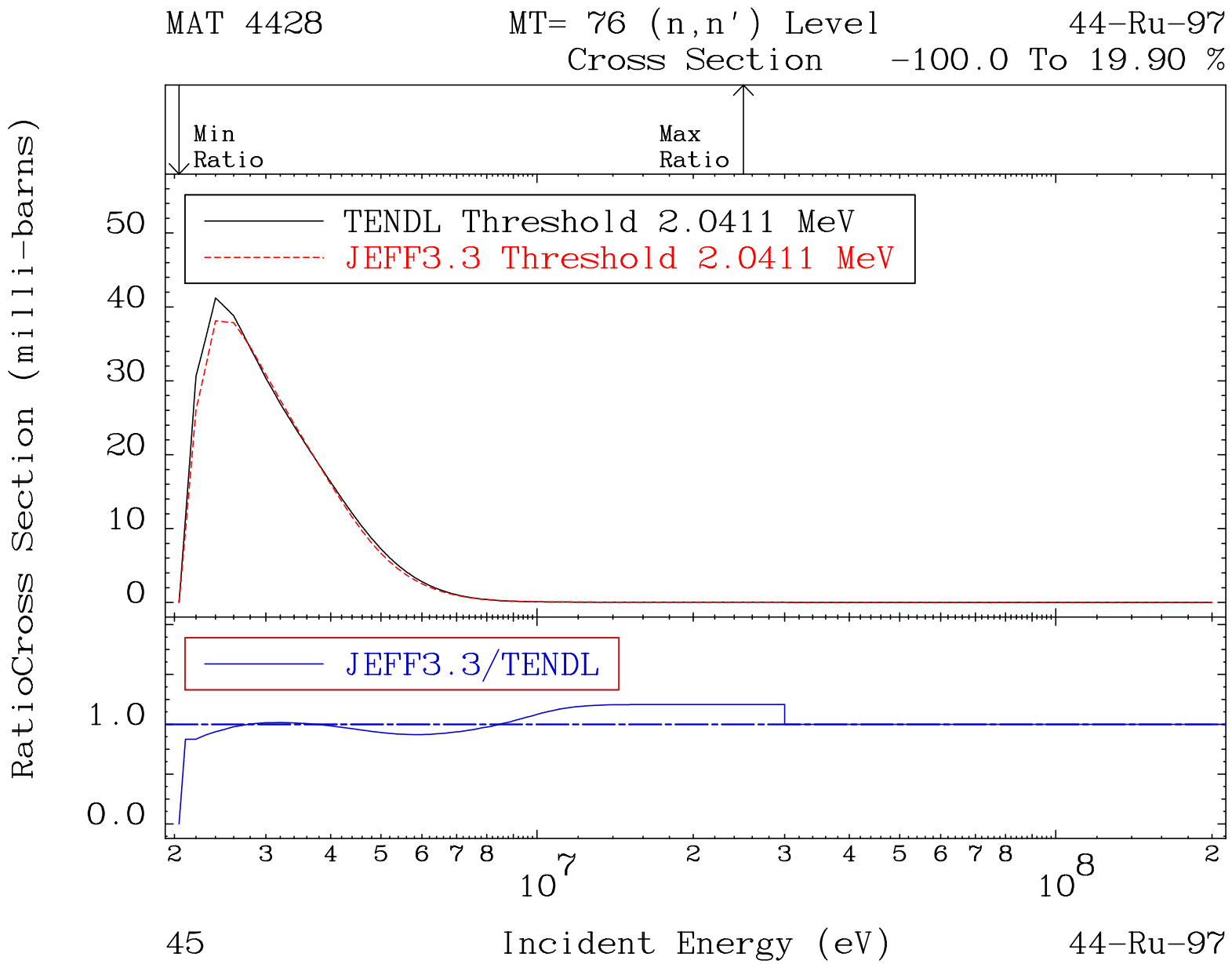

MAT 4428
MT= 71 (n,n') Level
44-Ru-97
Cross Section -100.0 To 99.38 %
Min Ratio
Max Ratio
TENDL Threshold 1.9491 MeV
JEFF3.3 Threshold 1.9491 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
44-Ru-97

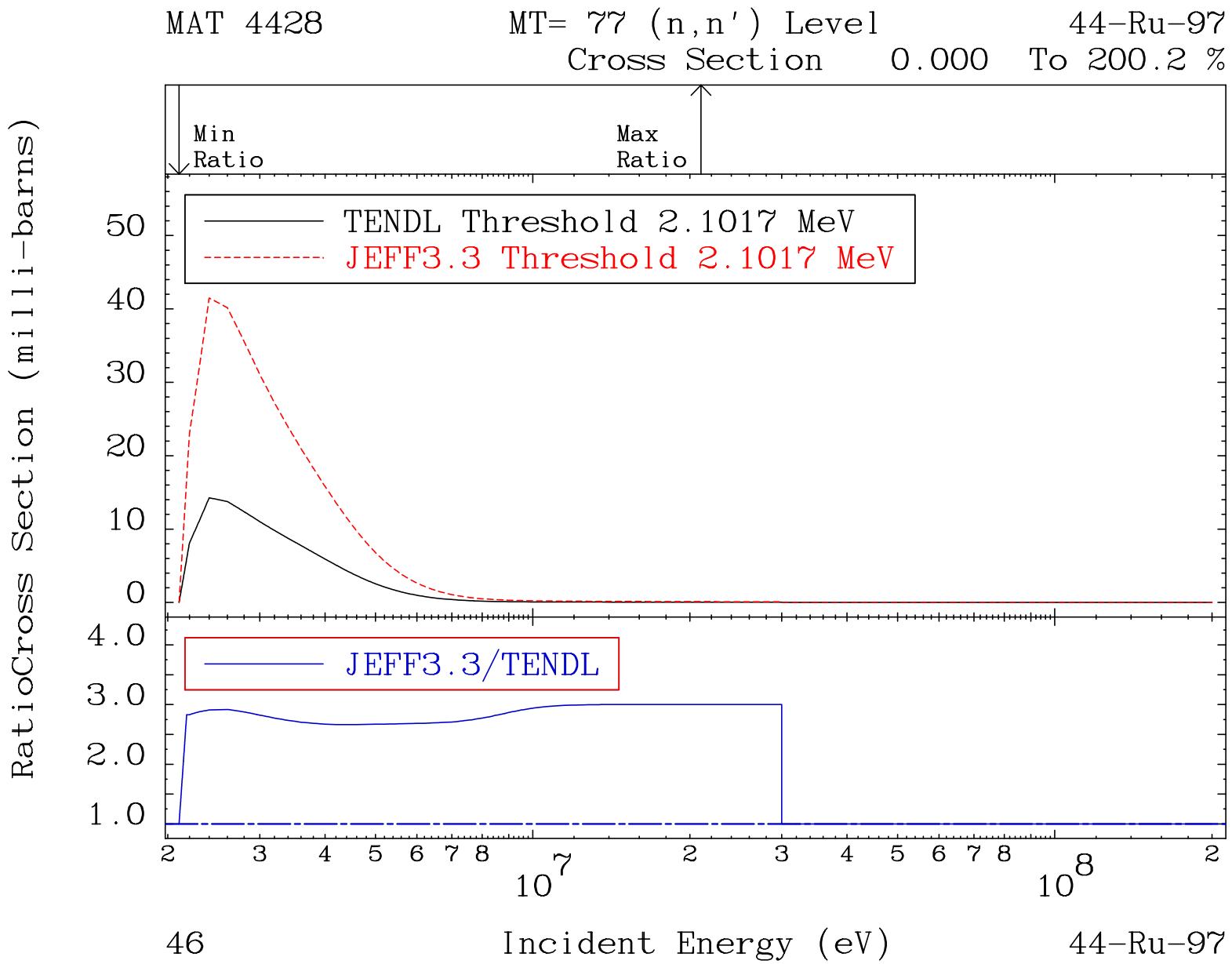

MAT 4428
MT= 72 (n,n') Level
44-Ru-97
Cross Section 0.000 To 442.4 %
Min Ratio
Max Ratio
TENDL Threshold 1.9524 MeV
JEFF3.3 Threshold 1.9524 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
6
4
2
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
44-Ru-97

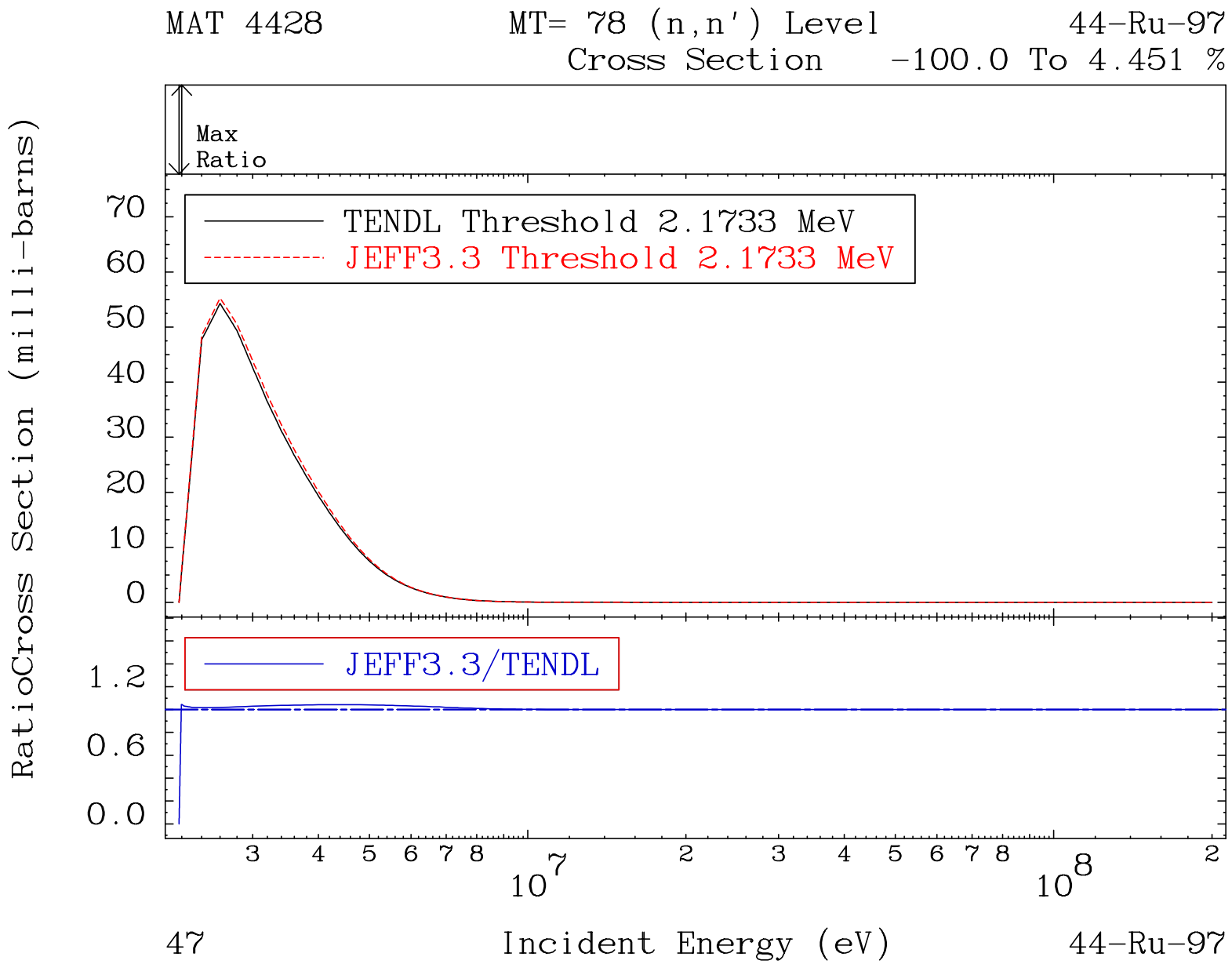

MAT 4428
MT= 73 (n,n') Level
44-Ru-97
Cross Section -66.60 To 6.814 %
Max Ratio
Min Ratio
TENDL Threshold 2.0108 MeV
JEFF3.3 Threshold 2.0108 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
44-Ru-97

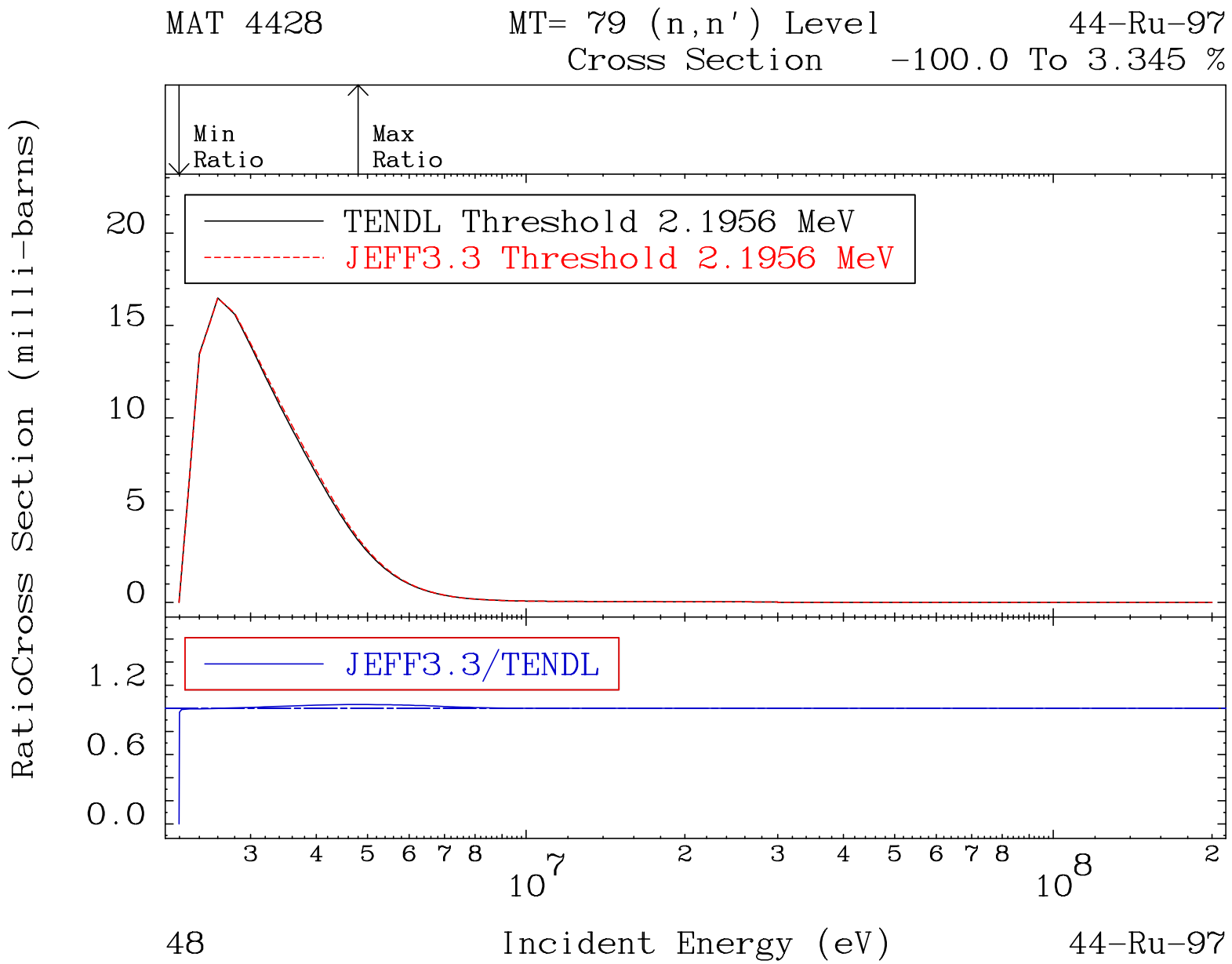

MAT 4428
MT= 74 (n,n') Level
44-Ru-97
Cross Section 0.000 To 434.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.0194 MeV
JEFF3.3 Threshold 2.0194 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
6
4
2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
44-Ru-97

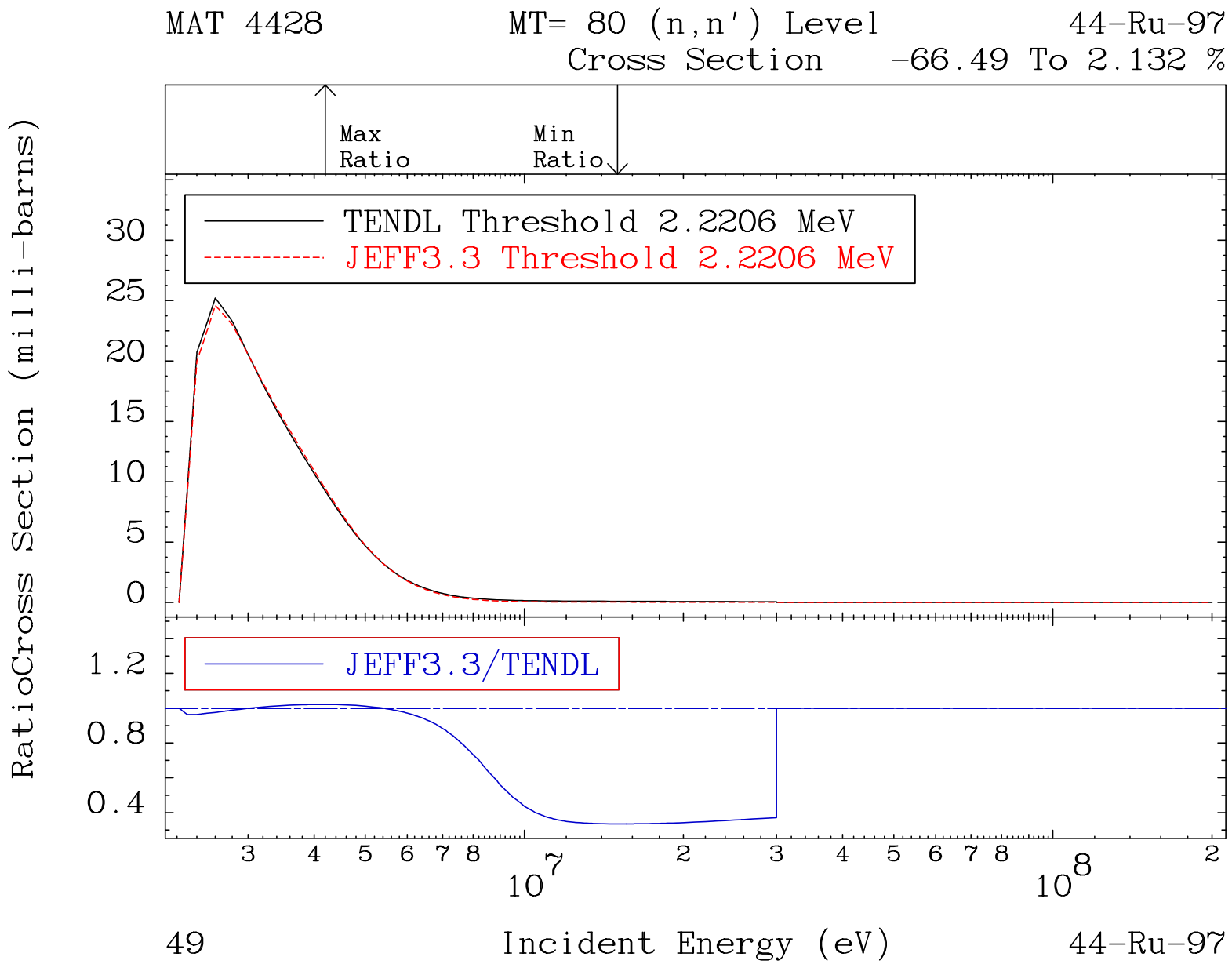

MAT 4428
MT= 75 (n,n') Level
44-Ru-97
Cross Section -66.52 To 2.552 %
Max Ratio
Min Ratio
TENDL Threshold 2.0259 MeV
JEFF3.3 Threshold 2.0259 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
44-Ru-97

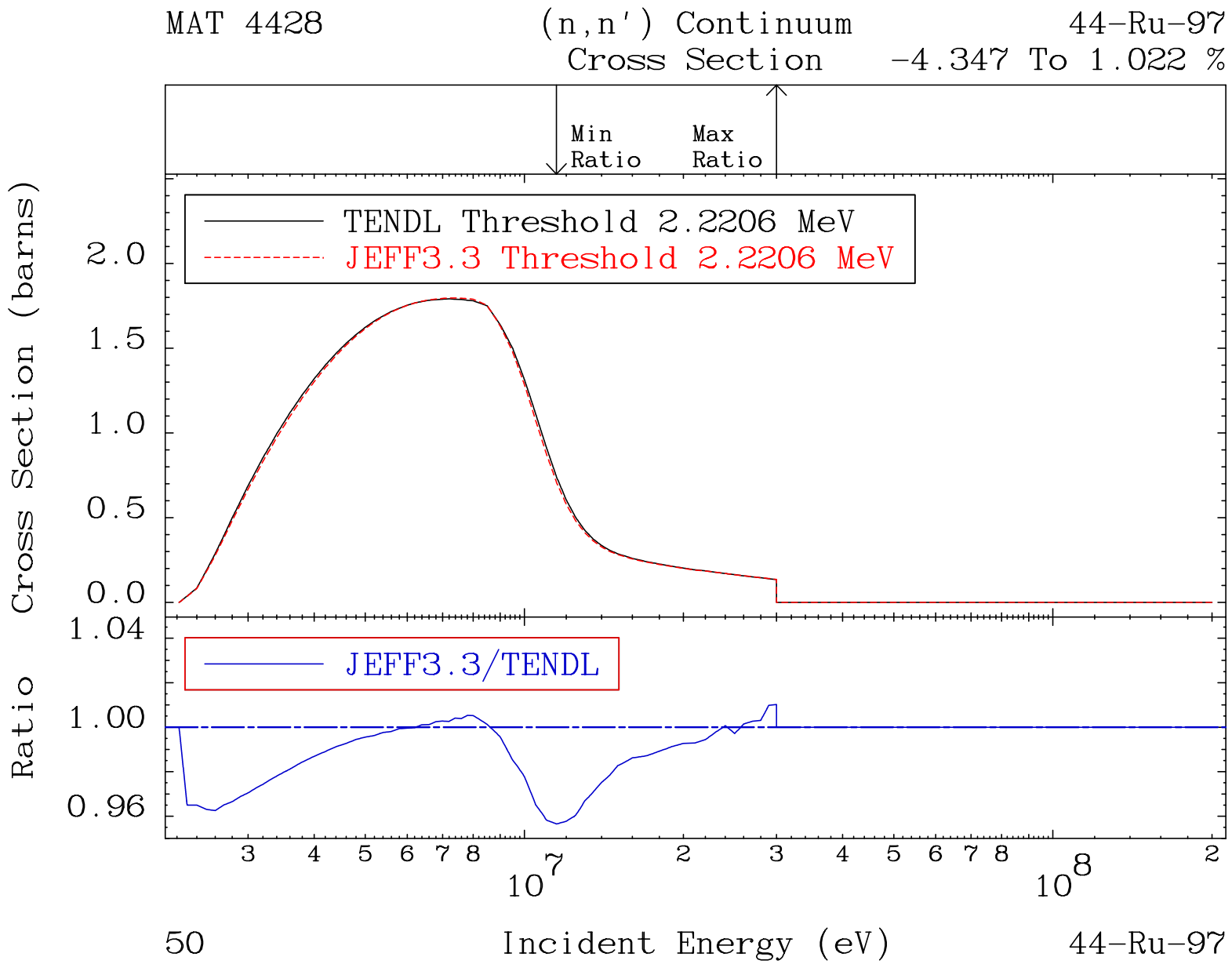

MAT 4428
MT= 76 (n,n') Level
44-Ru-97
Cross Section -100.0 To 19.90 %
Min Ratio
Max Ratio
TENDL Threshold 2.0411 MeV
JEFF3.3 Threshold 2.0411 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
44-Ru-97

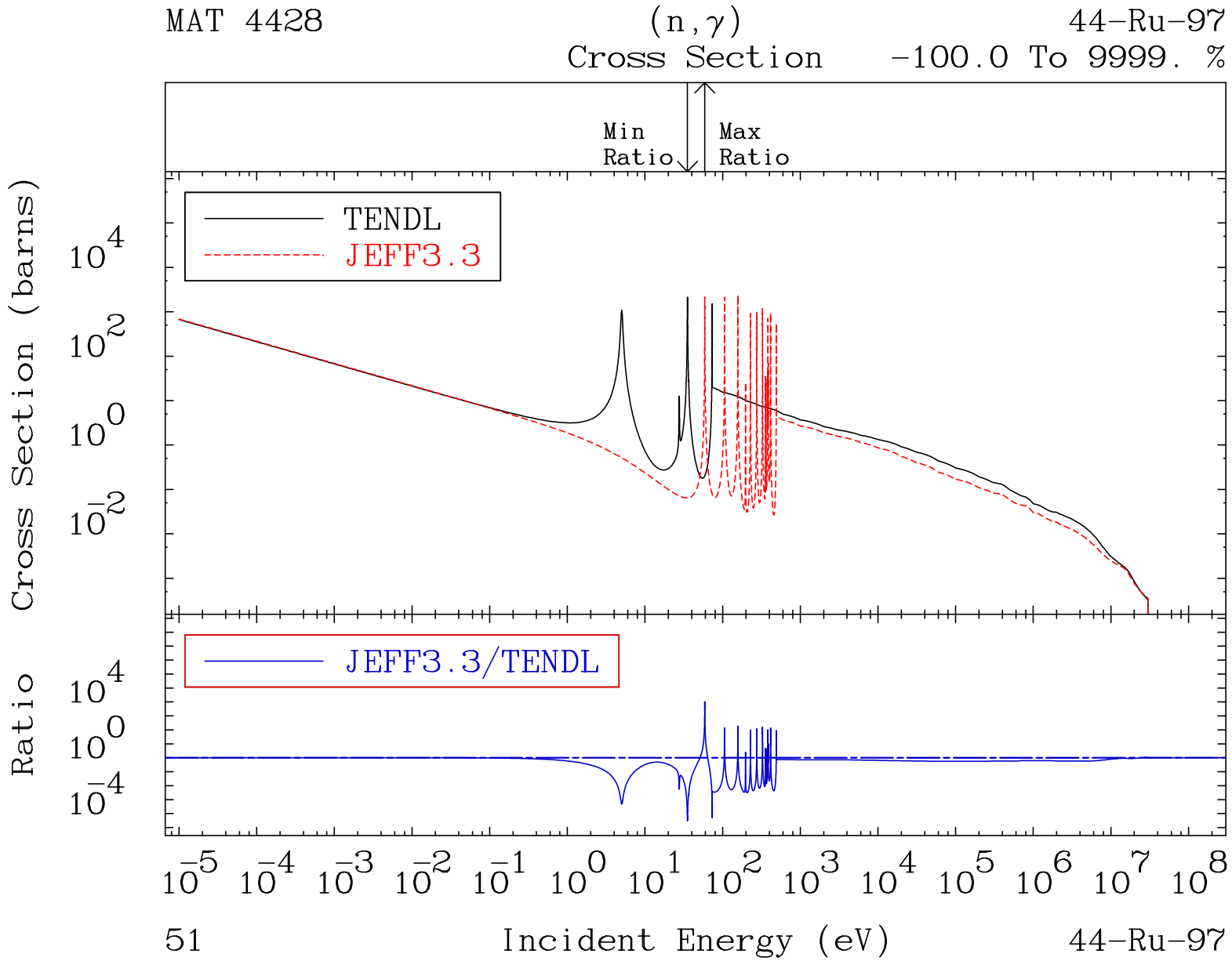

MAT 4428
MT= 77 (n,n') Level
44-Ru-97
Cross Section 0.000 To 200.2 %
Min Ratio
Max Ratio
TENDL Threshold 2.1017 MeV
JEFF3.3 Threshold 2.1017 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4.0
3.0
2.0
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
44-Ru-97

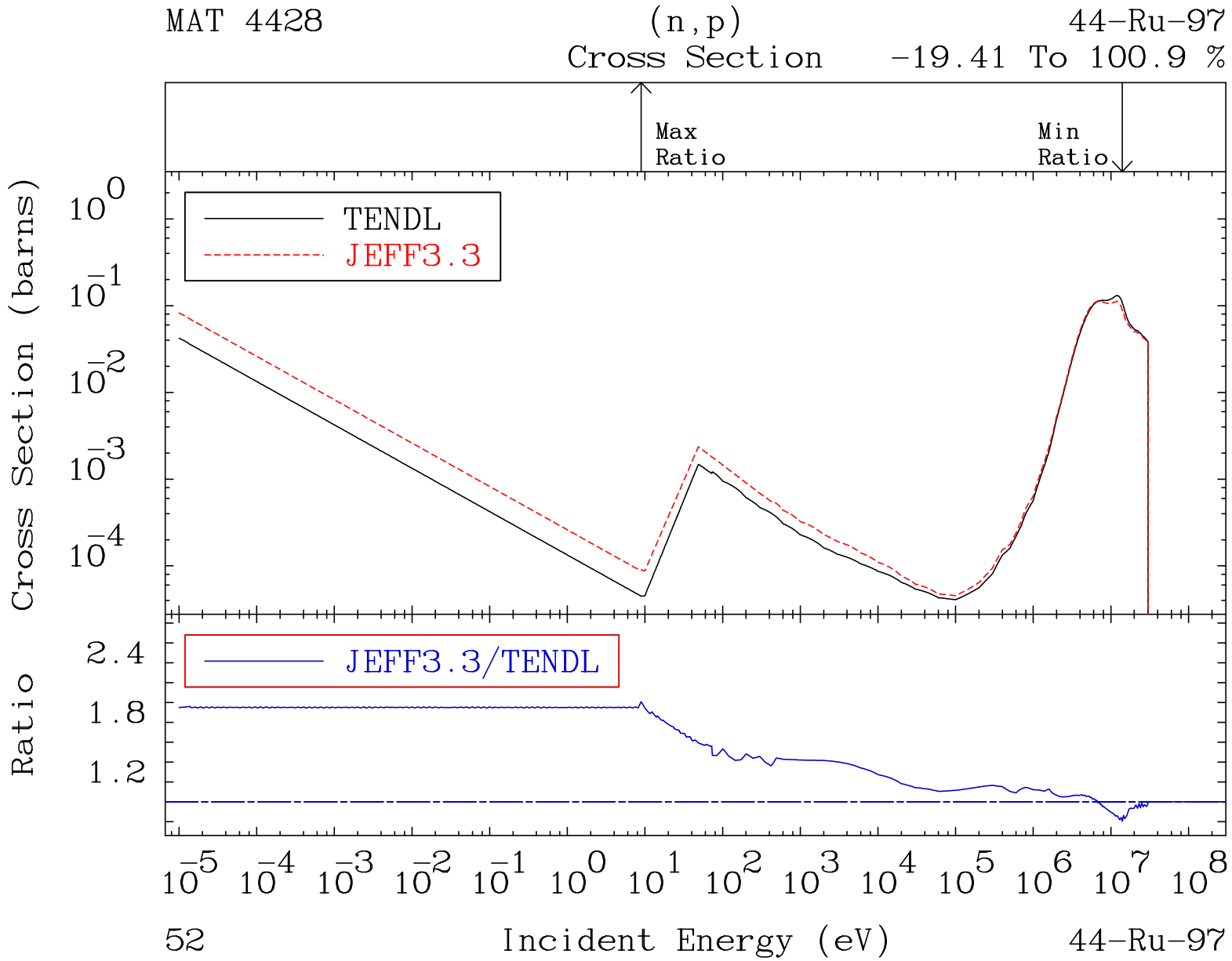

MAT 4428
MT= 78 (n,n') Level
44-Ru-97
Cross Section -100.0 To 4.451 %
Max
Ratio
TENDL Threshold 2.1733 MeV
JEFF3.3 Threshold 2.1733 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
44-Ru-97

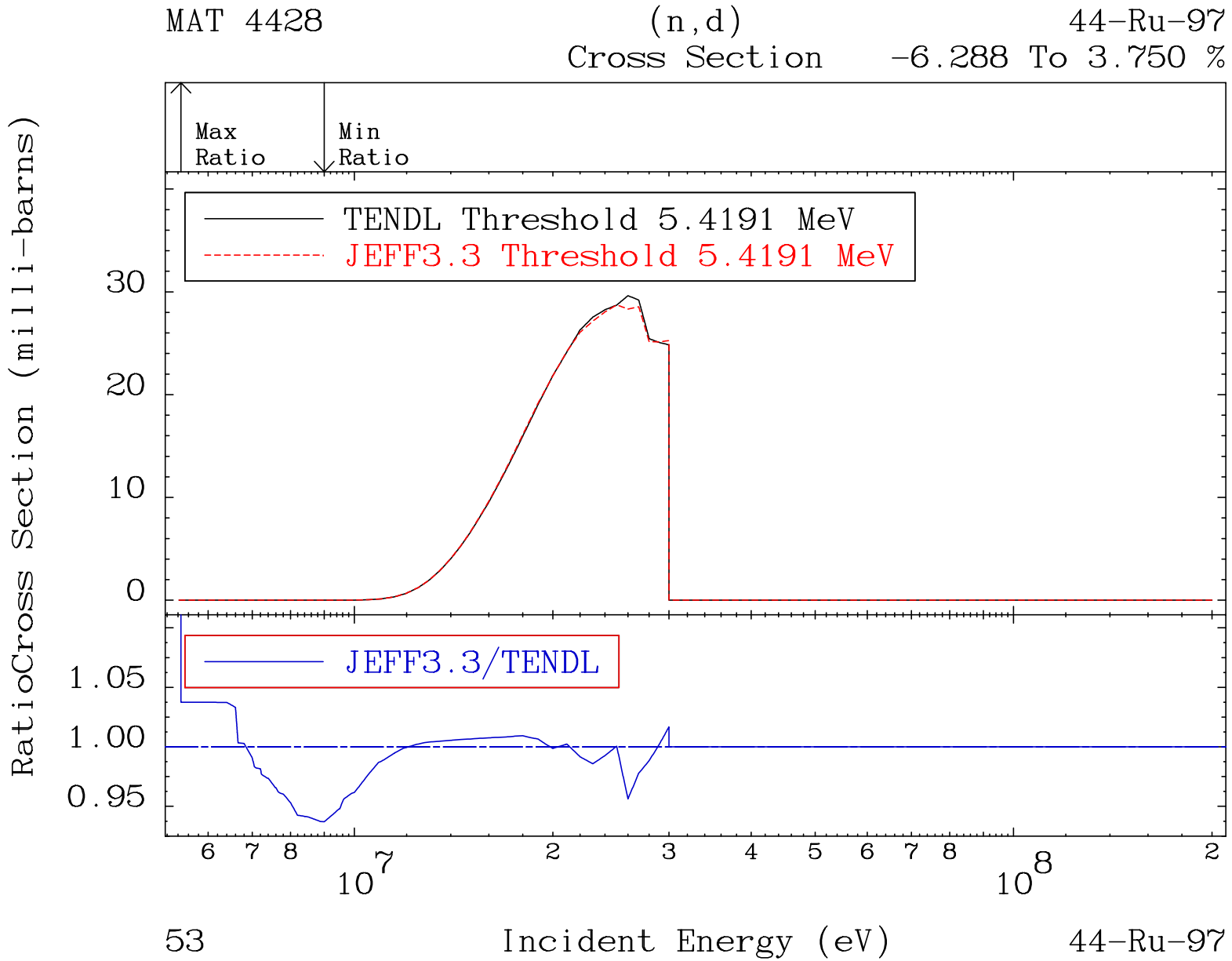

MAT 4428
MT= 79 (n,n') Level
44-Ru-97
Cross Section -100.0 To 3.345 %
Min Ratio
Max Ratio
TENDL Threshold 2.1956 MeV
JEFF3.3 Threshold 2.1956 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
48
Incident Energy (eV)
44-Ru-97

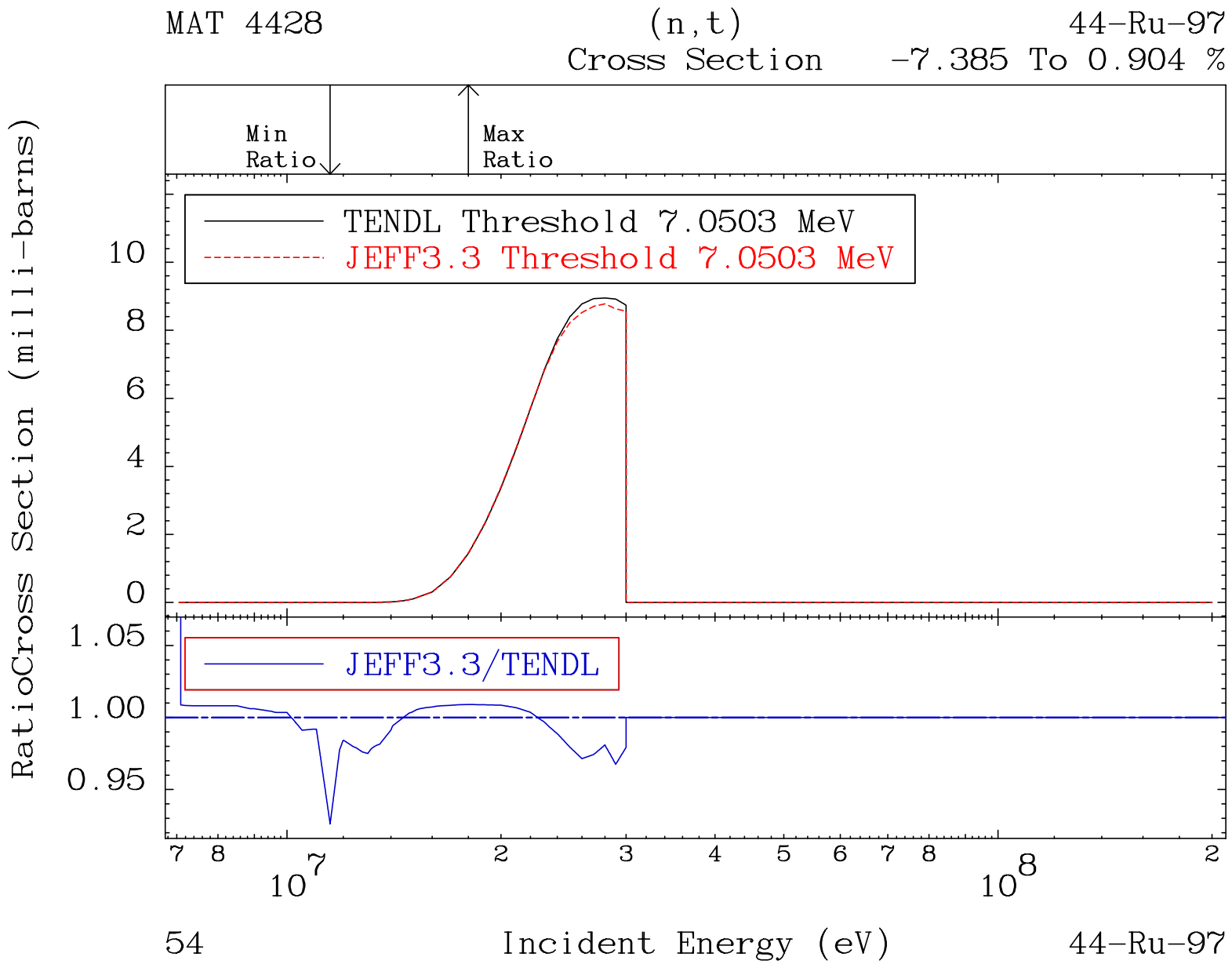

MAT 4428
MT= 80 (n,n') Level
44-Ru-97
Cross Section -66.49 To 2.132 %
Max Ratio
Min Ratio
TENDL Threshold 2.2206 MeV
JEFF3.3 Threshold 2.2206 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.8
0.4
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
44-Ru-97

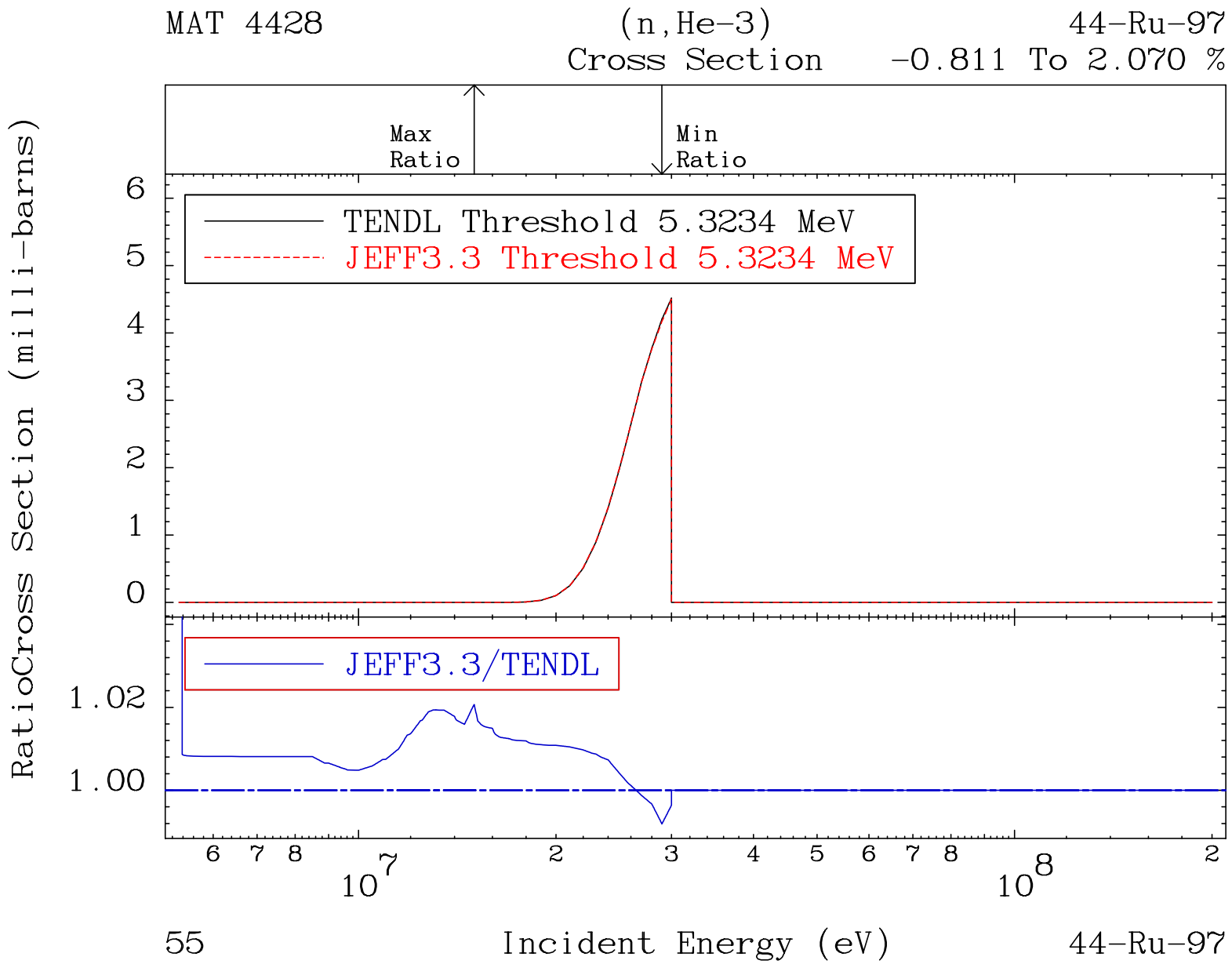

MAT 4428
(n,n') Continuum
Cross Section
44-Ru-97
-4.347 To 1.022 %
Min Ratio
Max Ratio
TENDL Threshold 2.2206 MeV
JEFF3.3 Threshold 2.2206 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.04
1.00
0.96
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
44-Ru-97

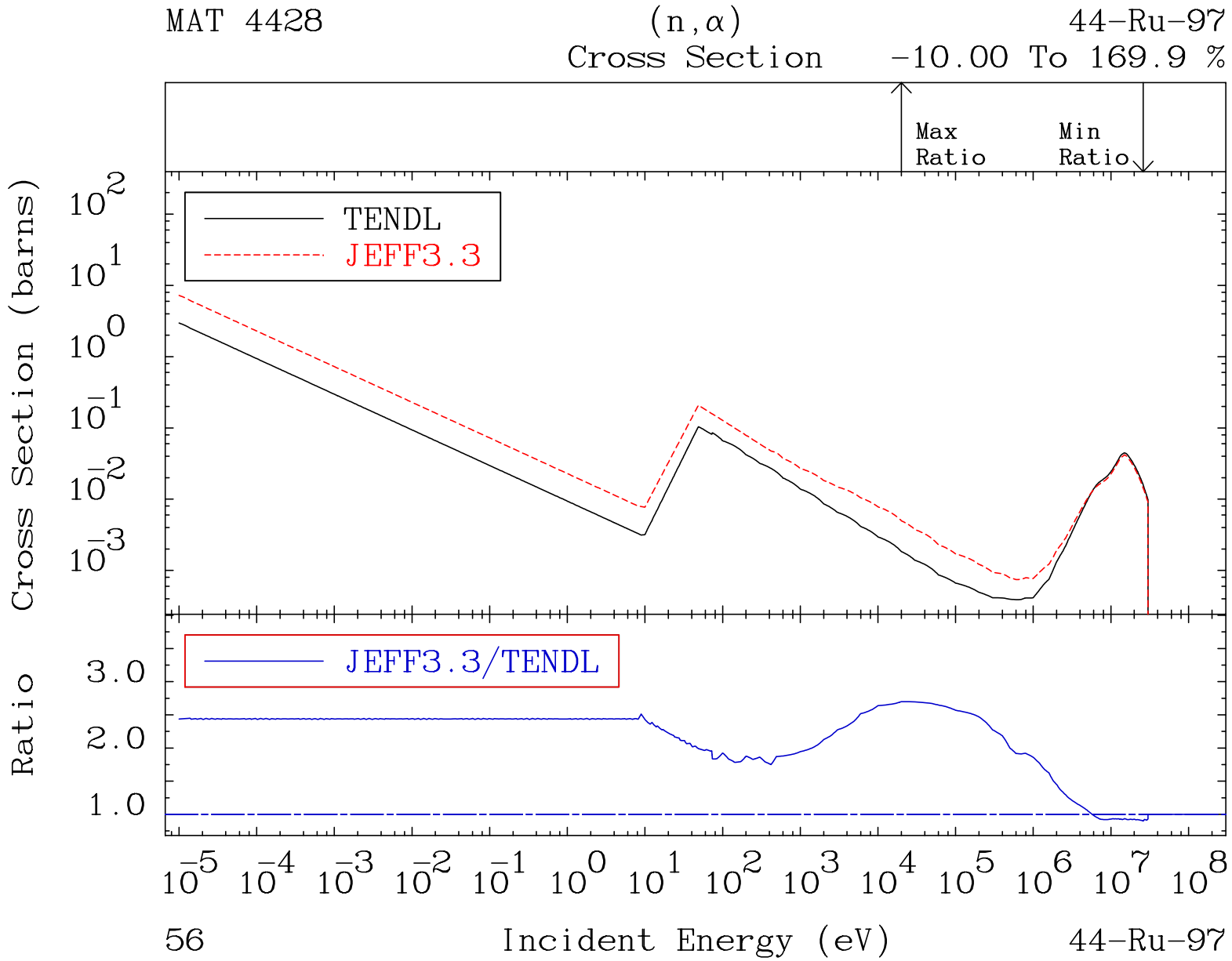

MAT 4428
(n,γ)
Cross Section
44-Ru-97
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
44-Ru-97

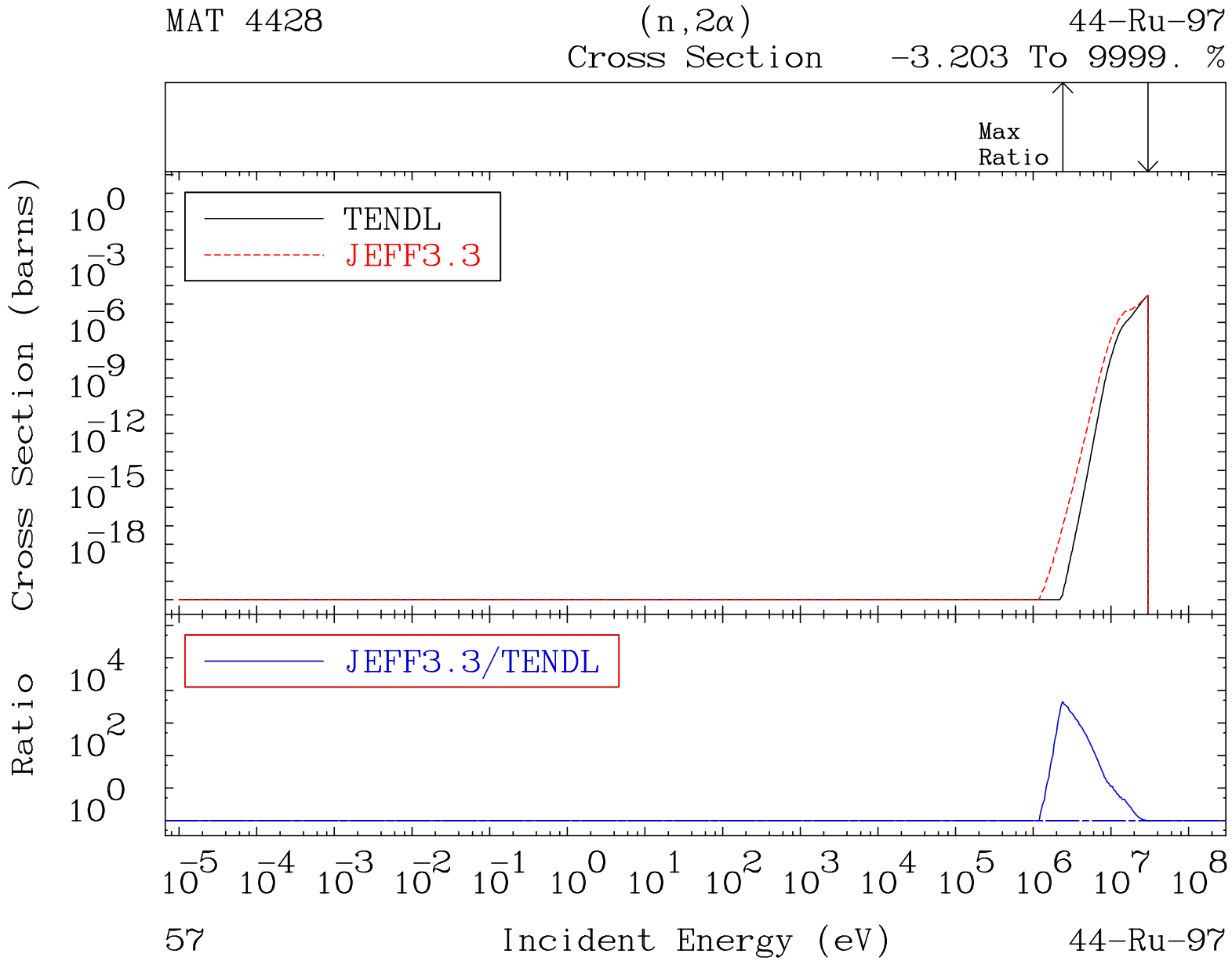

MAT 4428
(n,p)
44-Ru-97
Cross Section
-19.41 To 100.9 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
52
44-Ru-97

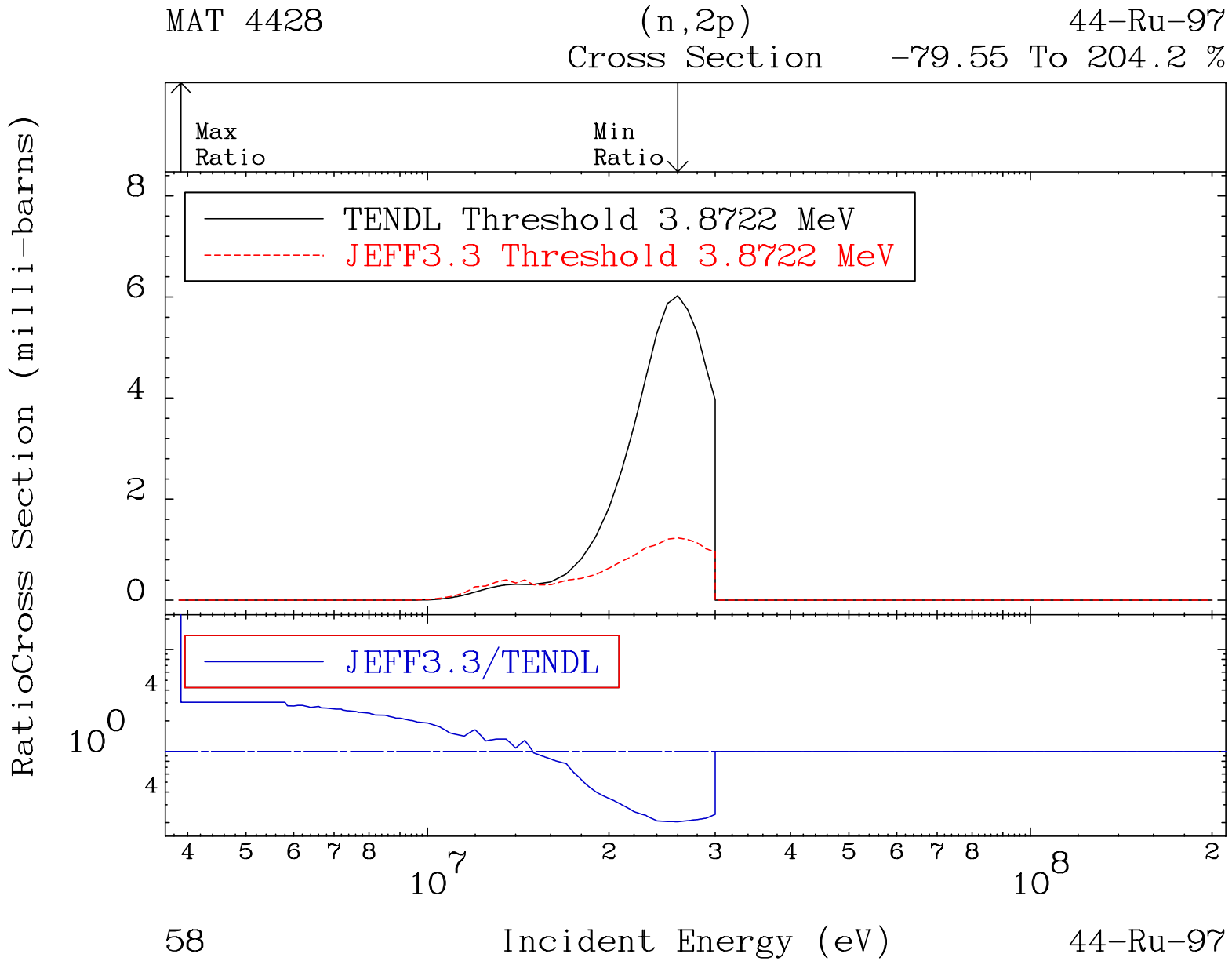

MAT 4428
(n,d)
44-Ru-97
Cross Section
-6.288 To 3.750 %
Max Ratio
Min Ratio
TENDL Threshold 5.4191 MeV
JEFF3.3 Threshold 5.4191 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
1.05
1.00
0.95
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
53
Incident Energy (eV)
44-Ru-97

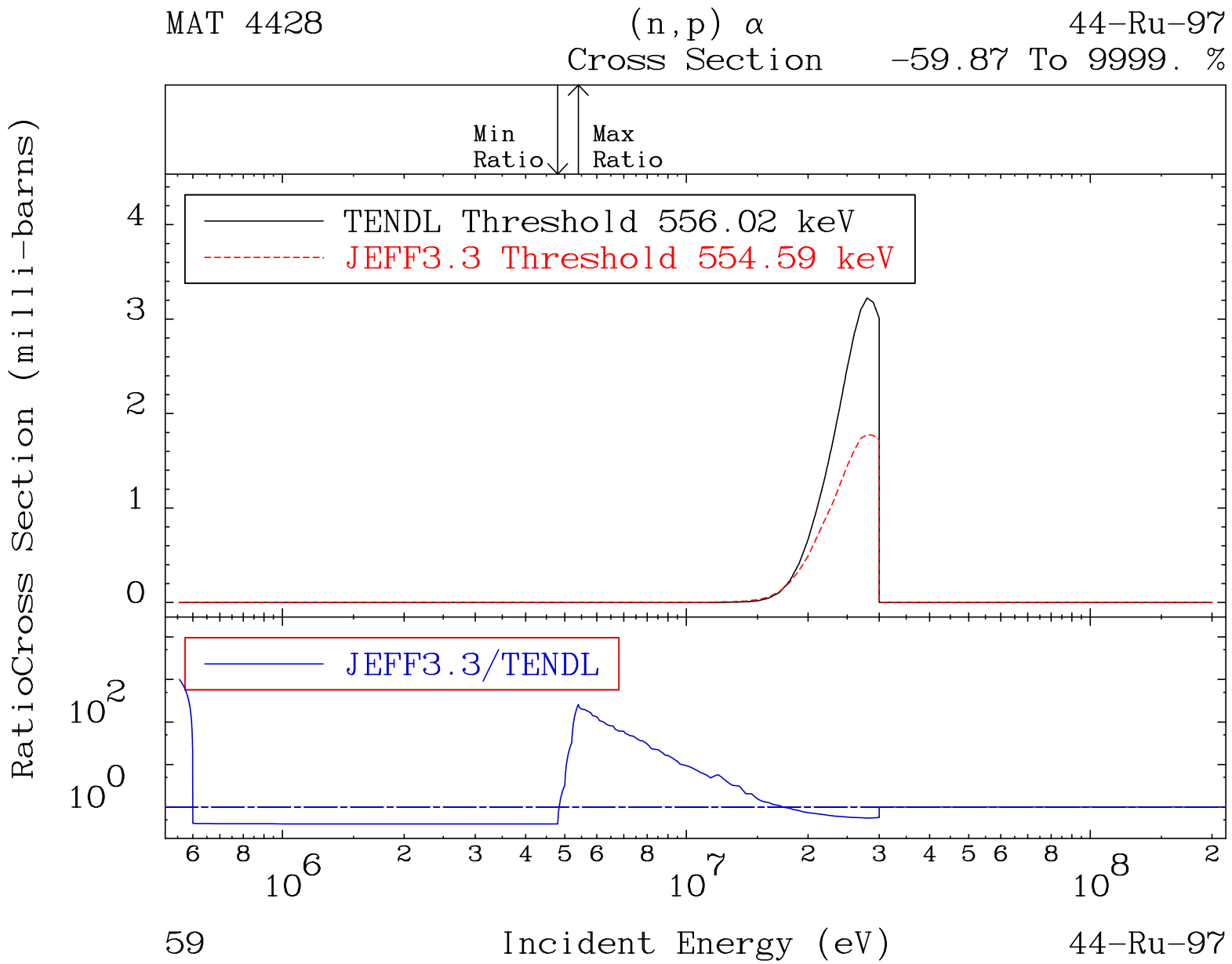

MAT 4428
(n,t)
Cross Section
44-Ru-97
-7.385 To 0.904 %
Min Ratio
Max Ratio
TENDL Threshold 7.0503 MeV
JEFF3.3 Threshold 7.0503 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.05
1.00
0.95
7 8 10^7 2 3 4 5 6 7 8 10^8 2
54
Incident Energy (eV)
44-Ru-97

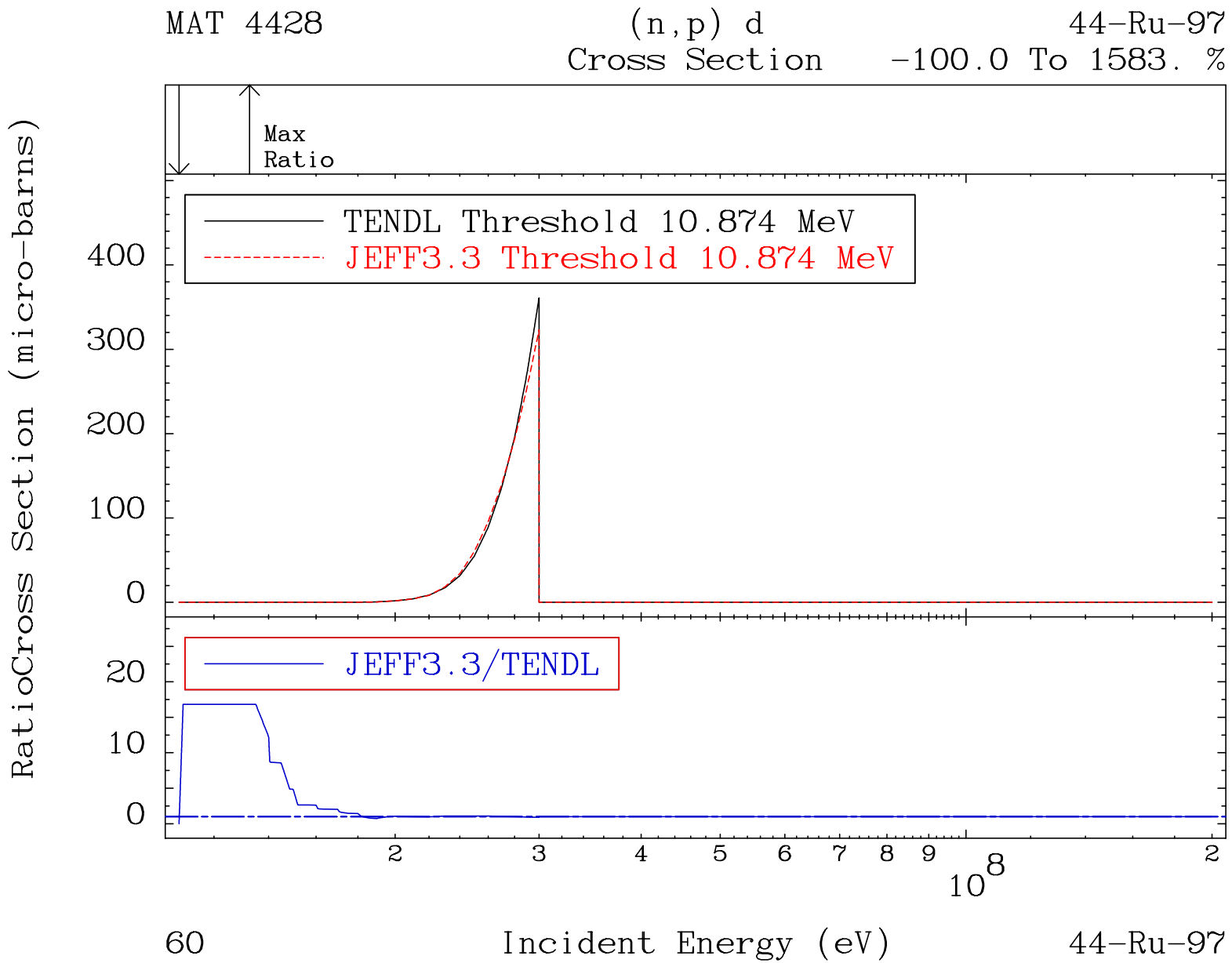

MAT 4428
(n,He-3)
Cross Section
44-Ru-97
-0.811 To 2.070 %
Max Ratio
Min Ratio
TENDL Threshold 5.3234 MeV
JEFF3.3 Threshold 5.3234 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
44-Ru-97

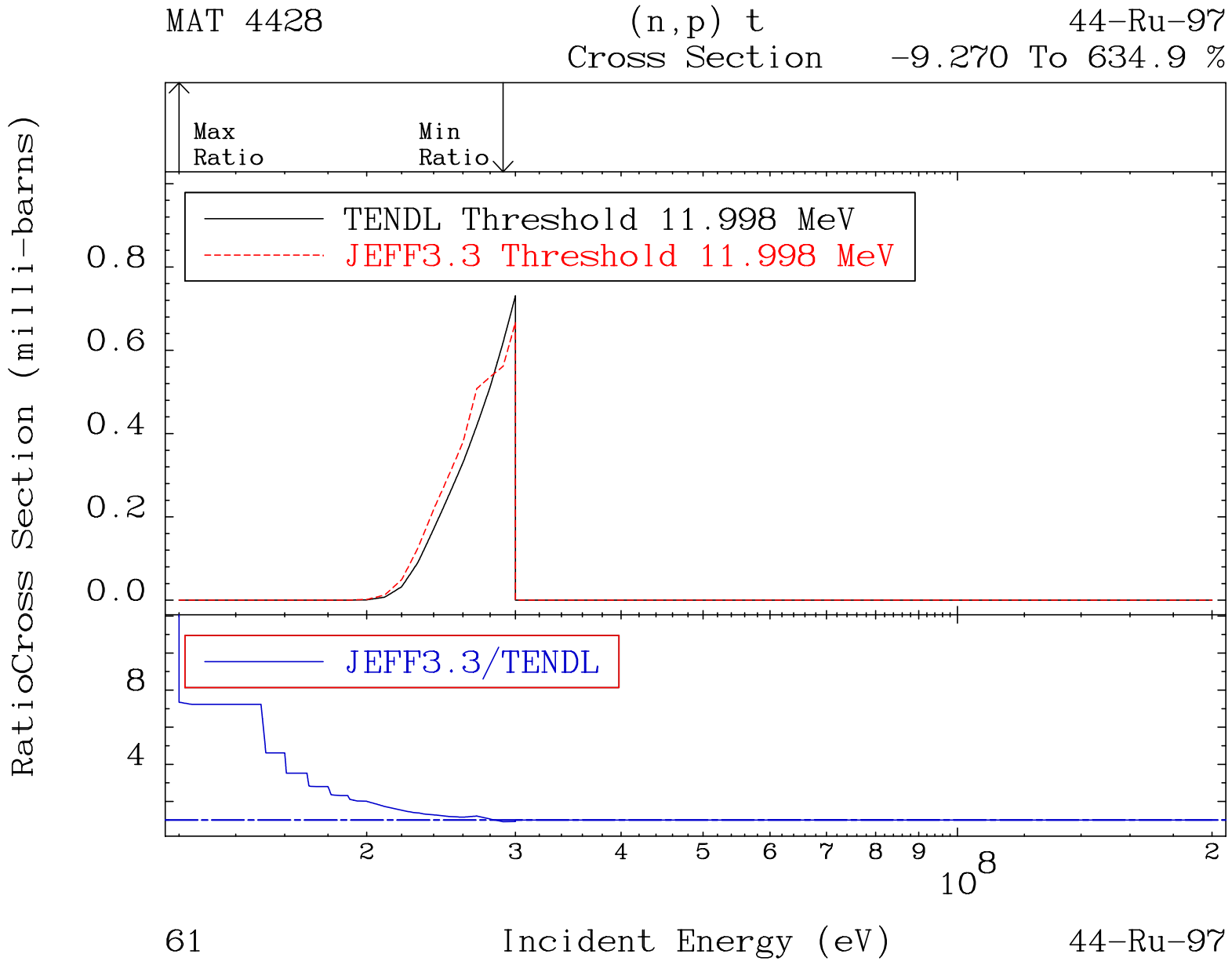

MAT 4428
(n,α)
Cross Section
44-Ru-97
-10.00 To 169.9 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
44-Ru-97

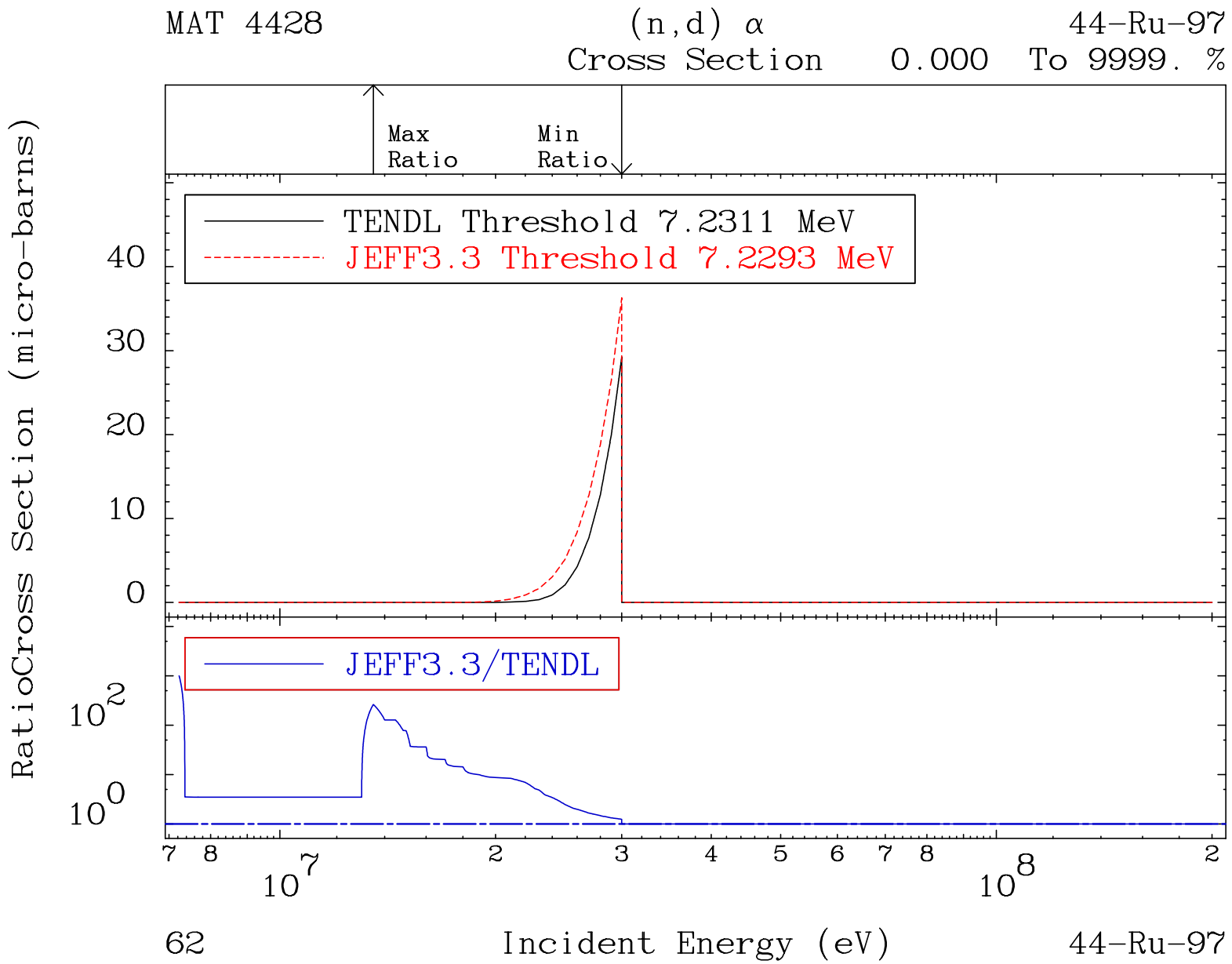

MAT 4428
(n,2α)
44-Ru-97
Cross Section
-3.203 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
44-Ru-97

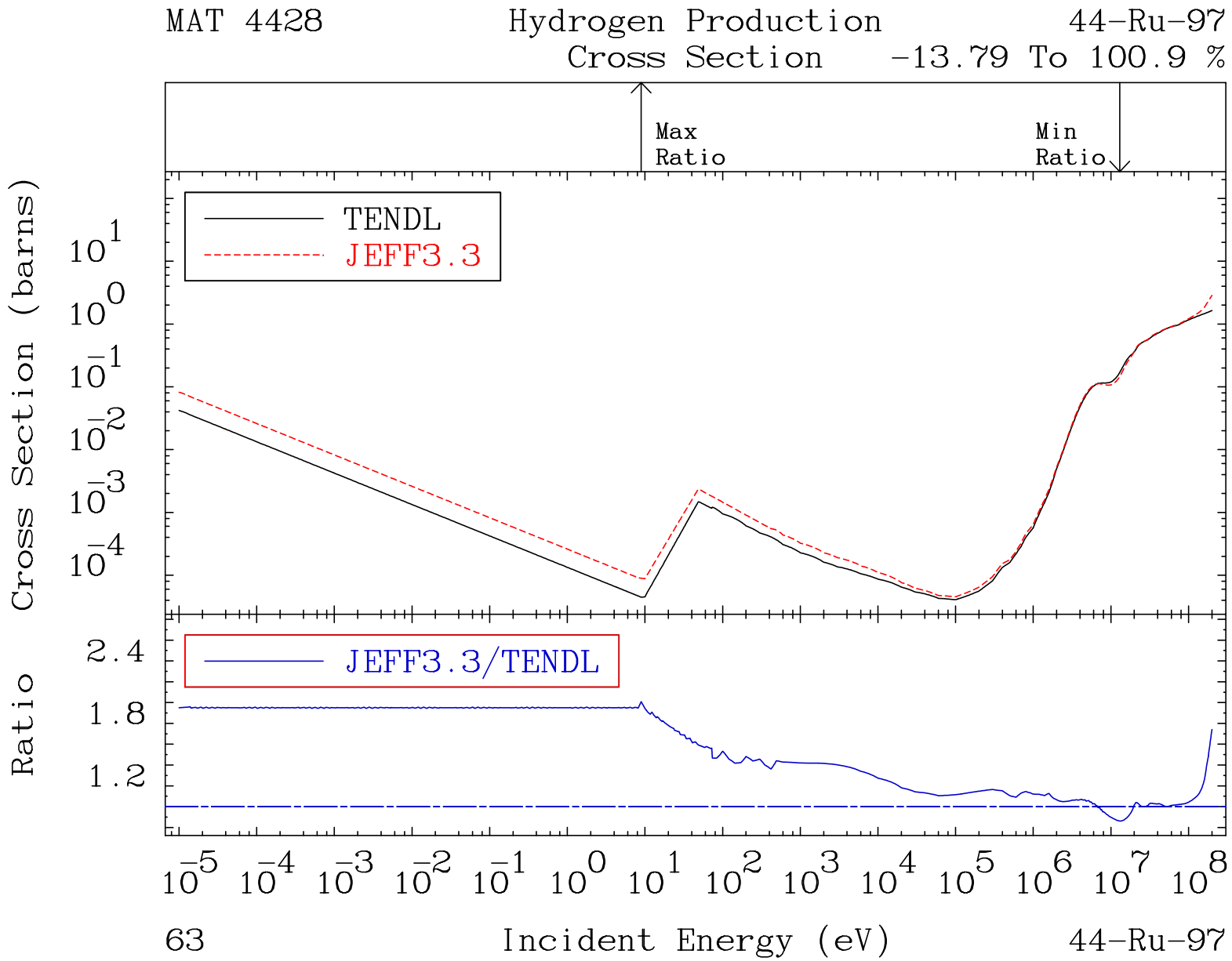

MAT 4428
(n,2p)
Cross Section
44-Ru-97
-79.55 To 204.2 %
Max Ratio
Min Ratio
TENDL Threshold 3.8722 MeV
JEFF3.3 Threshold 3.8722 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
58
44-Ru-97

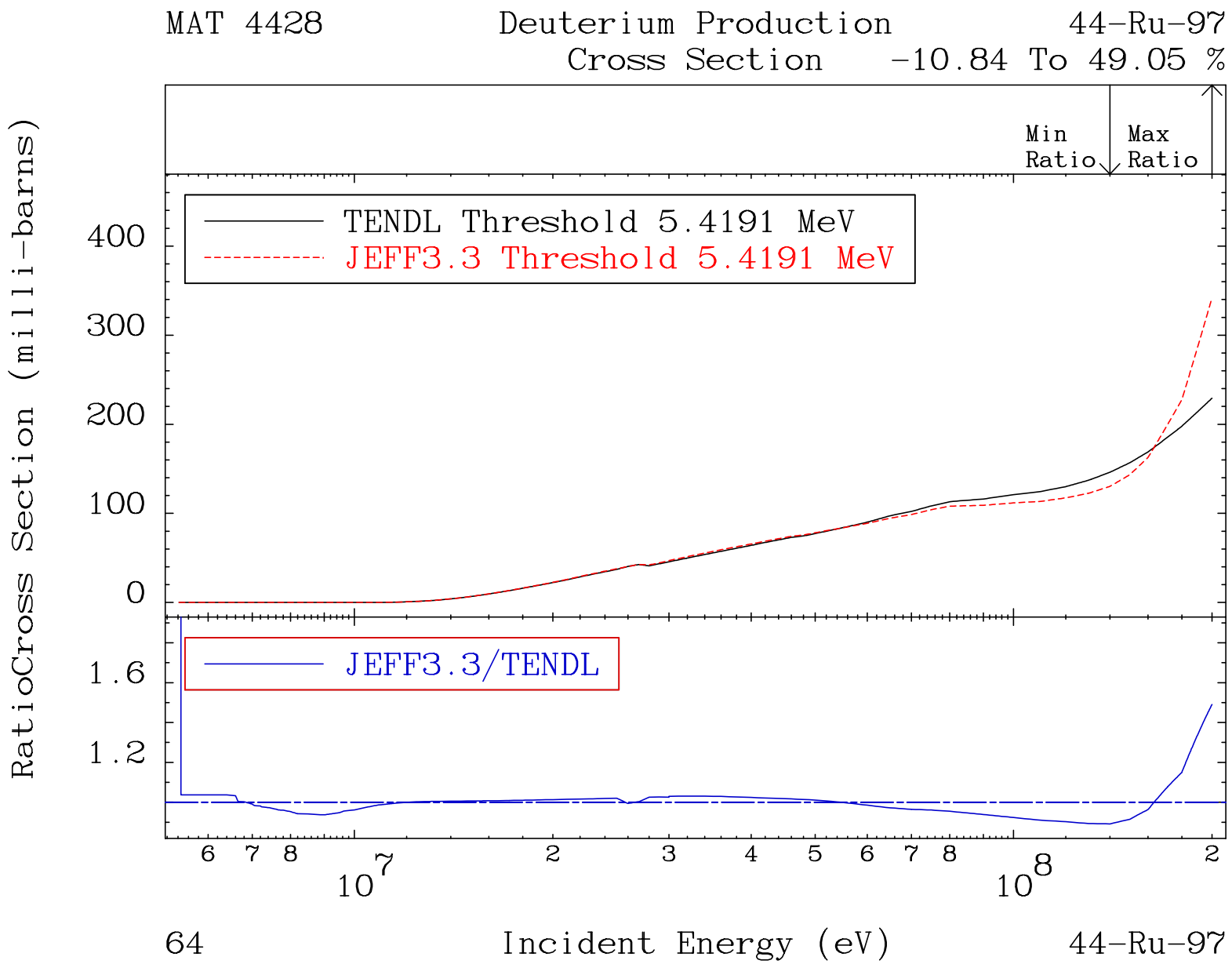

MAT 4428
(n,p) α
44-Ru-97
Cross Section
-59.87 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 556.02 keV
JEFF3.3 Threshold 554.59 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
59
44-Ru-97

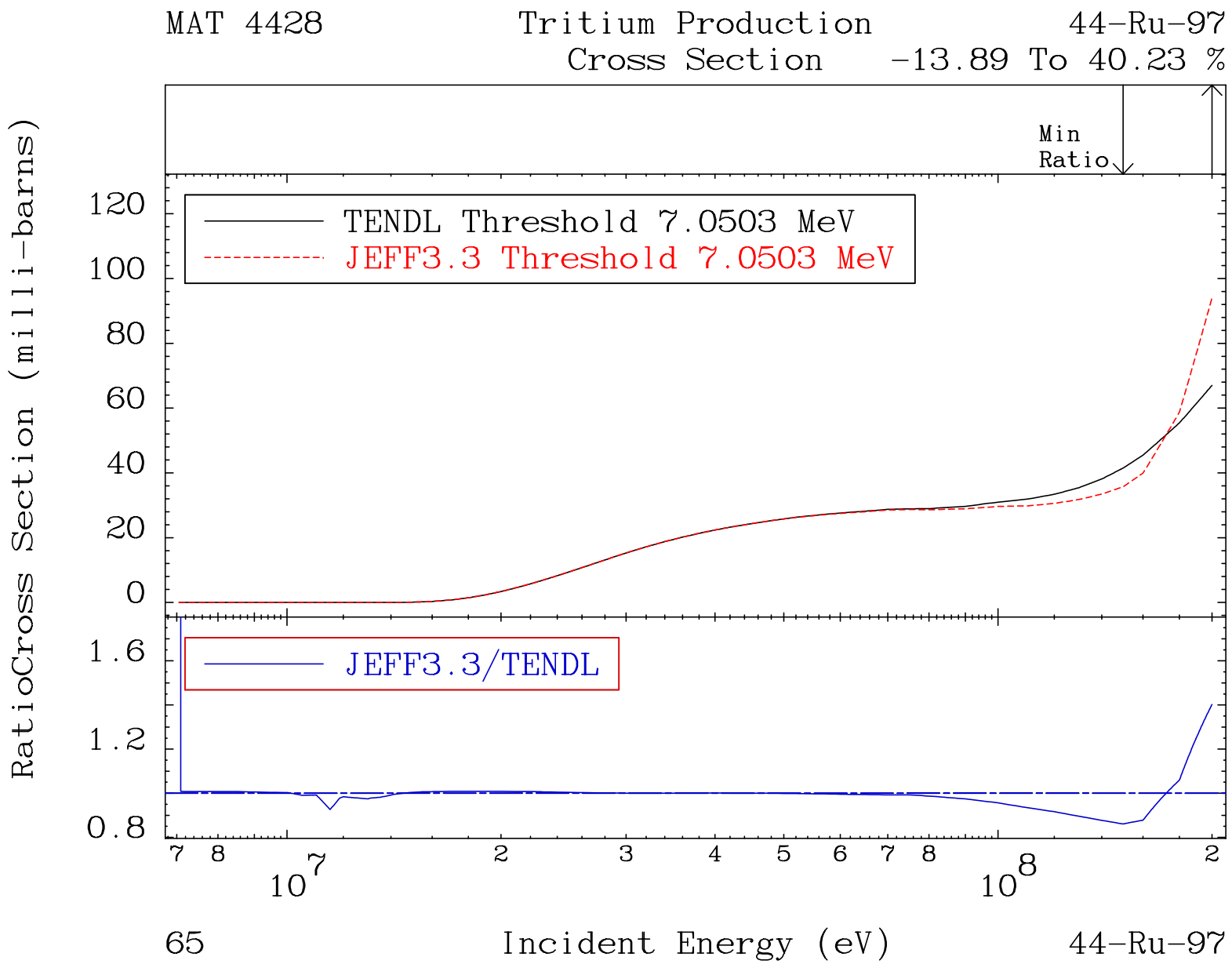

MAT 4428
(n,p) d
Cross Section
44-Ru-97
-100.0 To 1583. %
Max
Ratio
TENDL Threshold 10.874 MeV
JEFF3.3 Threshold 10.874 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
20
10
0
2
3
4
5
6
7
8
9
2
10^8
60
Incident Energy (eV)
44-Ru-97

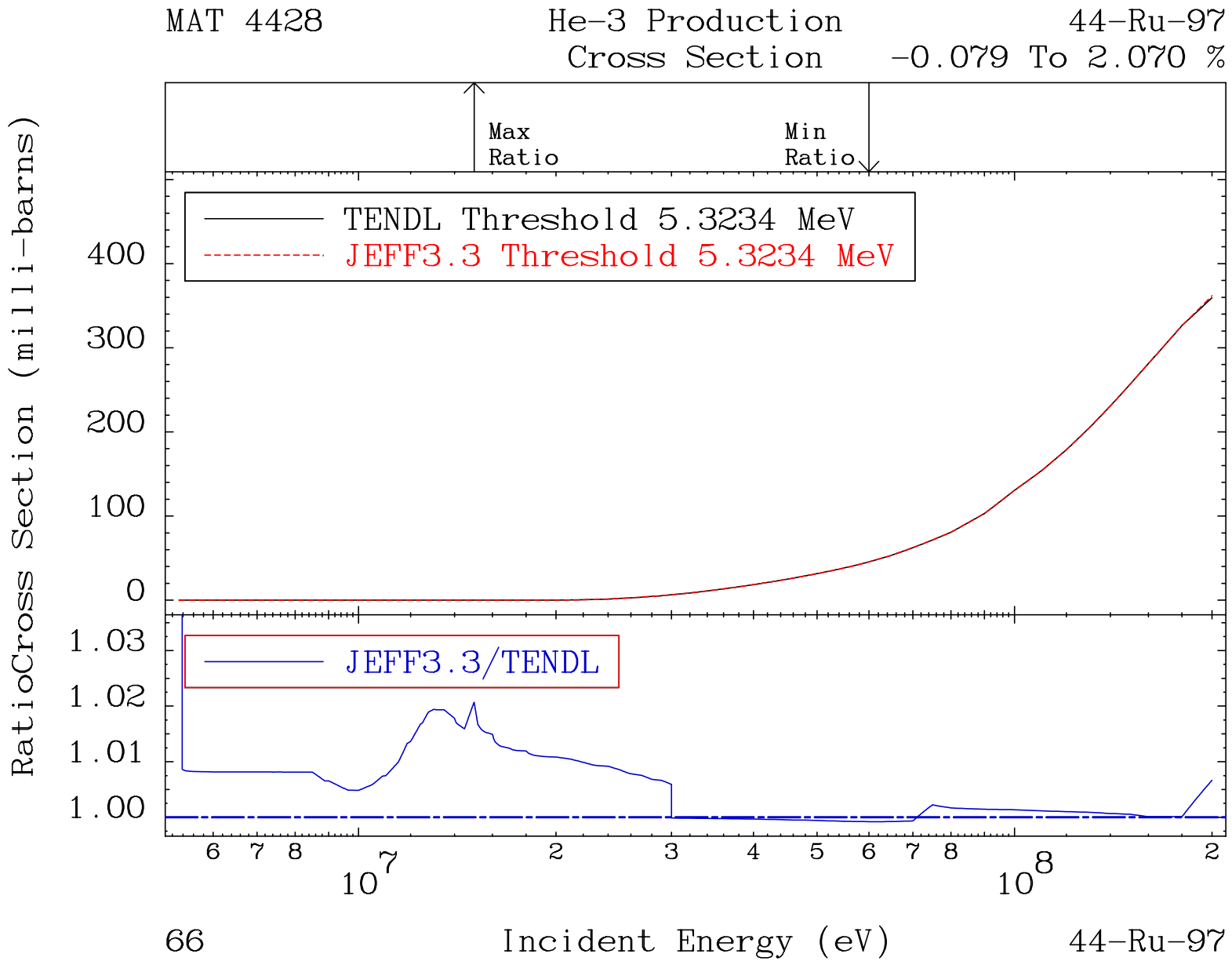

MAT 4428
(n,p) t
Cross Section
44-Ru-97
-9.270 To 634.9 %
Max Ratio
Min Ratio
TENDL Threshold 11.998 MeV
JEFF3.3 Threshold 11.998 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
8
4
2
3
4
5
6
7
8
9
2
10^8
61
Incident Energy (eV)
44-Ru-97

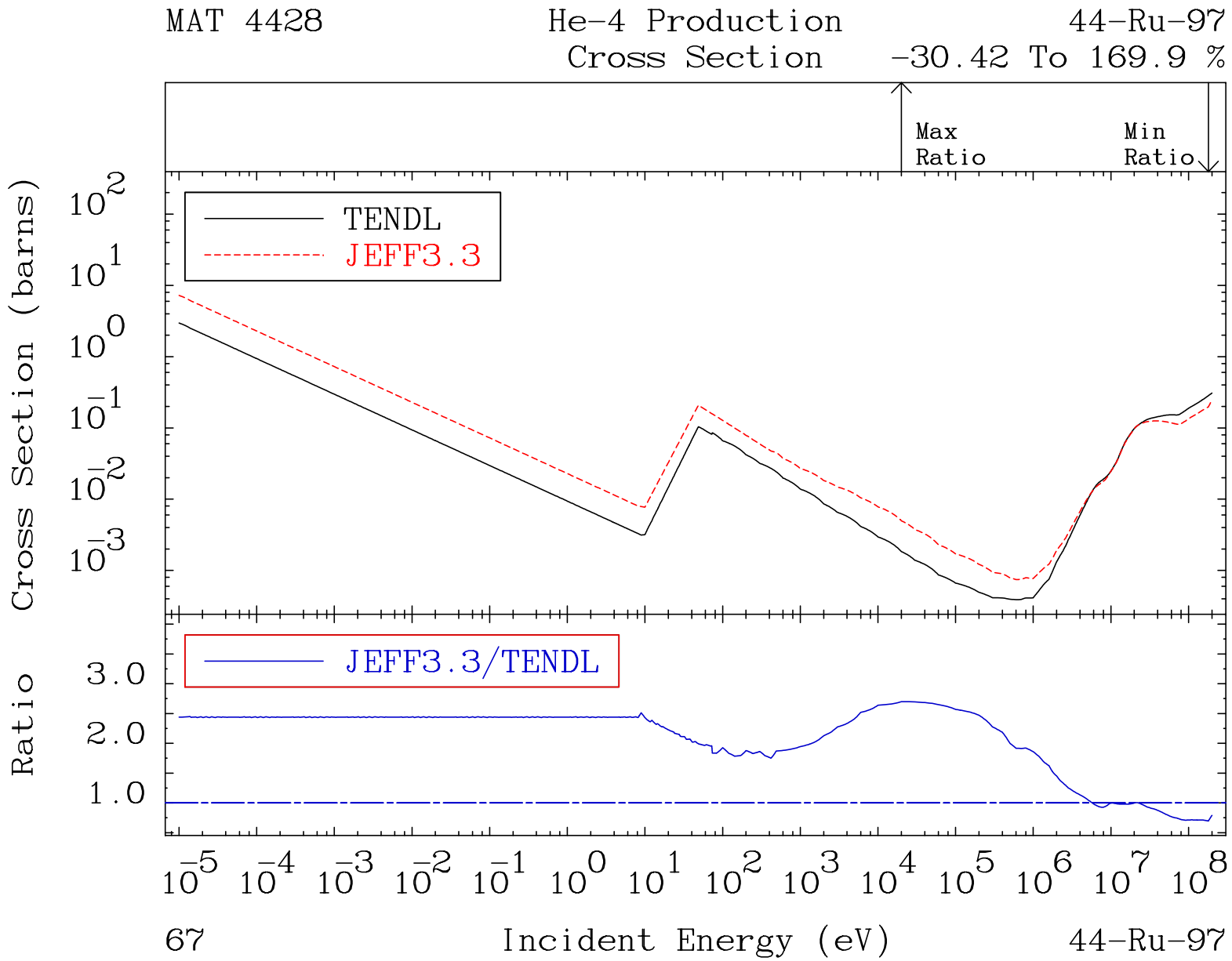

MAT 4428
(n,d) α
44-Ru-97
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.2311 MeV
JEFF3.3 Threshold 7.2293 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
40
30
20
10
0
10^2
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
62
Incident Energy (eV)
44-Ru-97

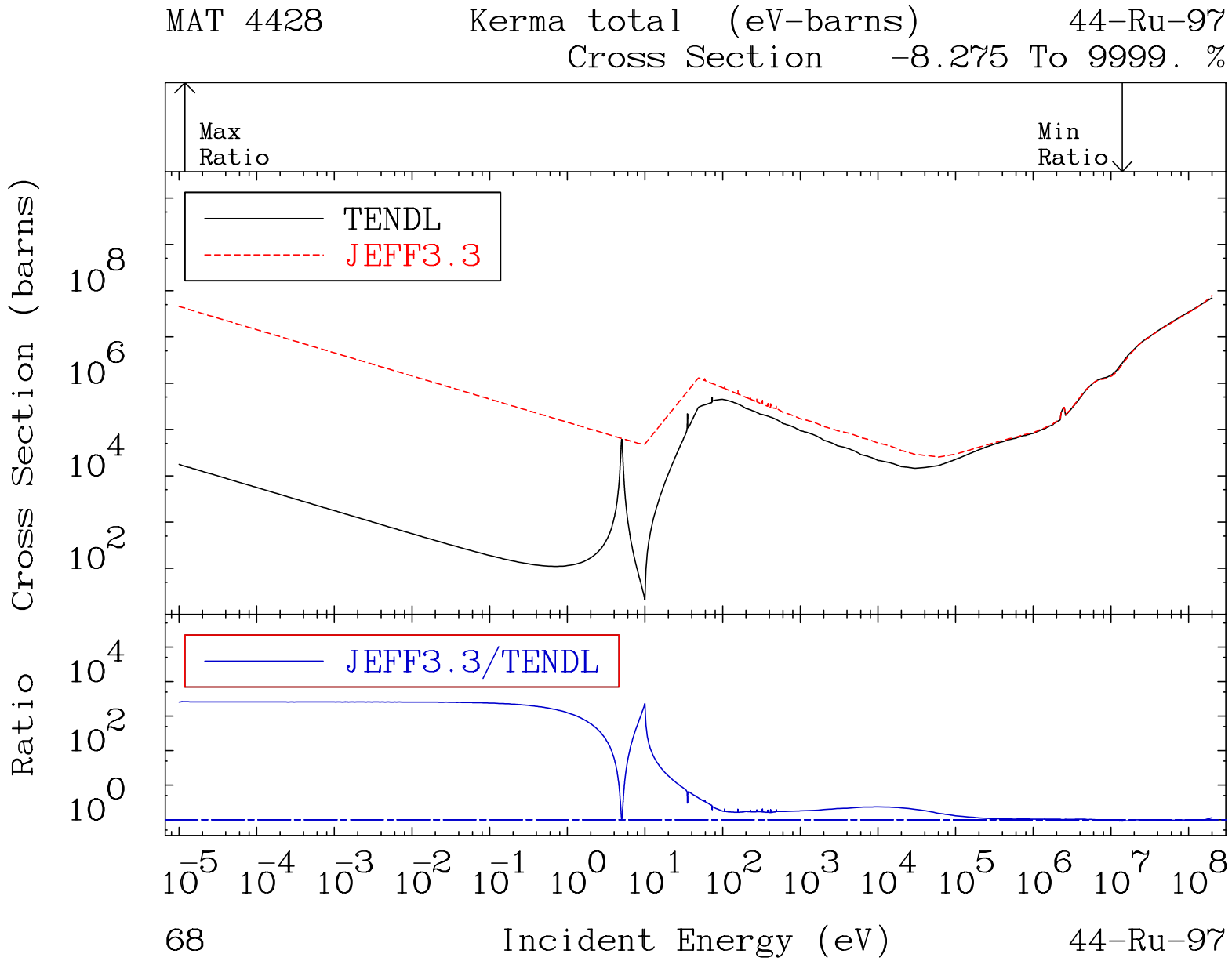

MAT 4428
Hydrogen Production
44-Ru-97
Cross Section
-13.79 To 100.9 %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
44-Ru-97

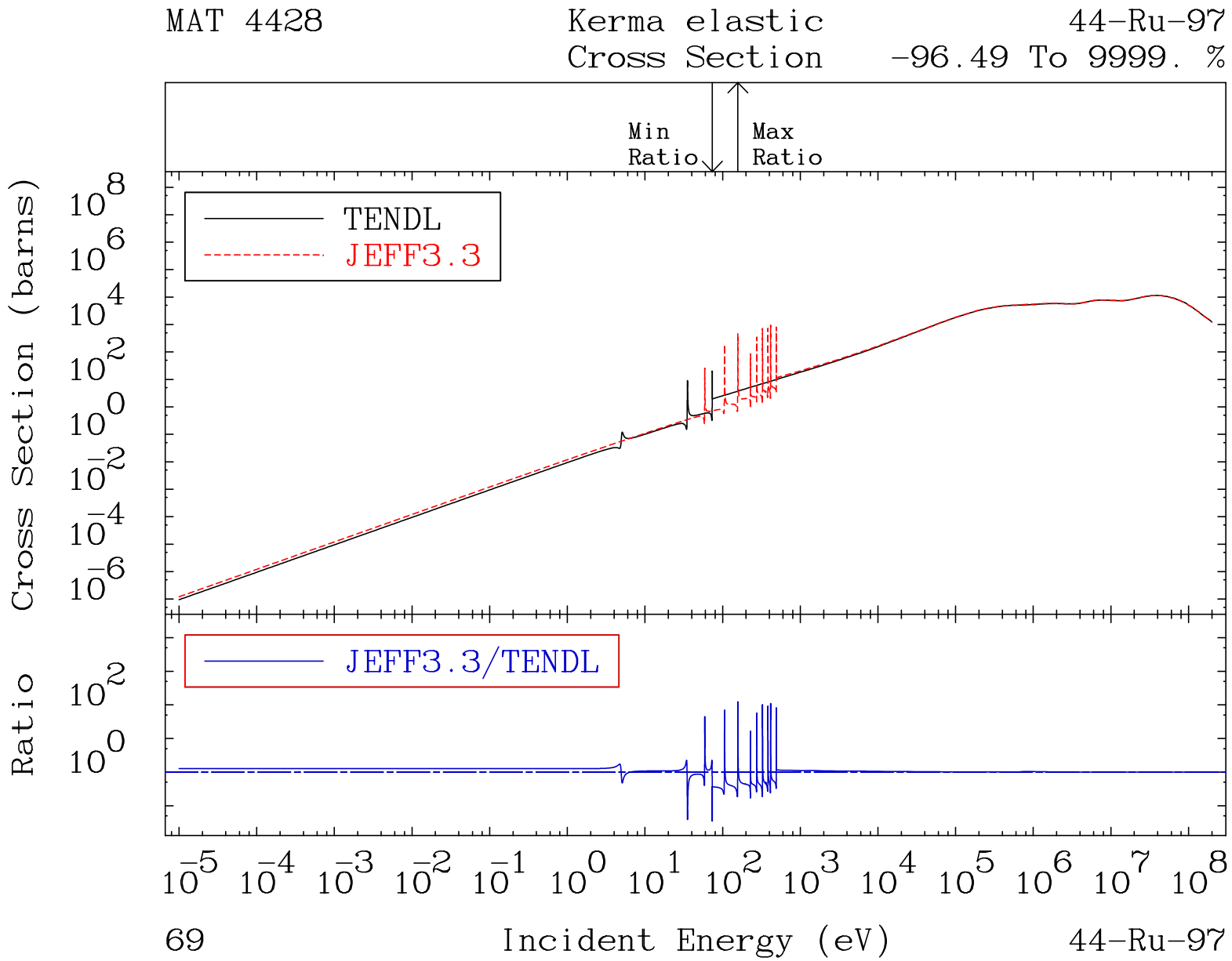

MAT 4428
Deuterium Production
44-Ru-97
Cross Section
-10.84 To 49.05 %
Min Ratio
Max Ratio
TENDL Threshold 5.4191 MeV
JEFF3.3 Threshold 5.4191 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.6
1.2
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
64
Incident Energy (eV)
44-Ru-97

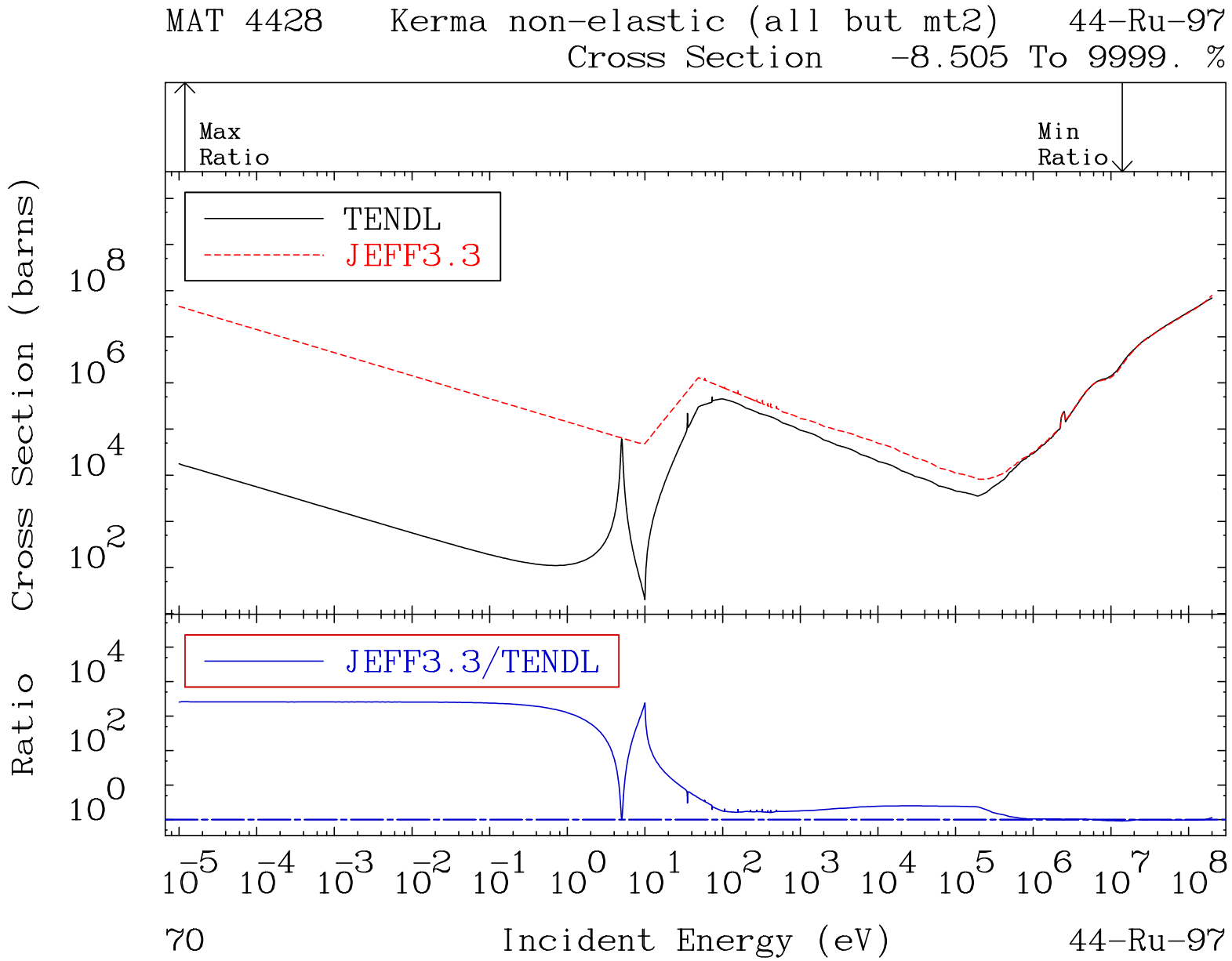

MAT 4428
Tritium Production
Cross Section
44-Ru-97
-13.89 To 40.23 %
Min
Ratio
TENDL Threshold 7.0503 MeV
JEFF3.3 Threshold 7.0503 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.6
1.2
0.8
7 8 10^7 2 3 4 5 6 7 8 10^8 2
65
Incident Energy (eV)
44-Ru-97

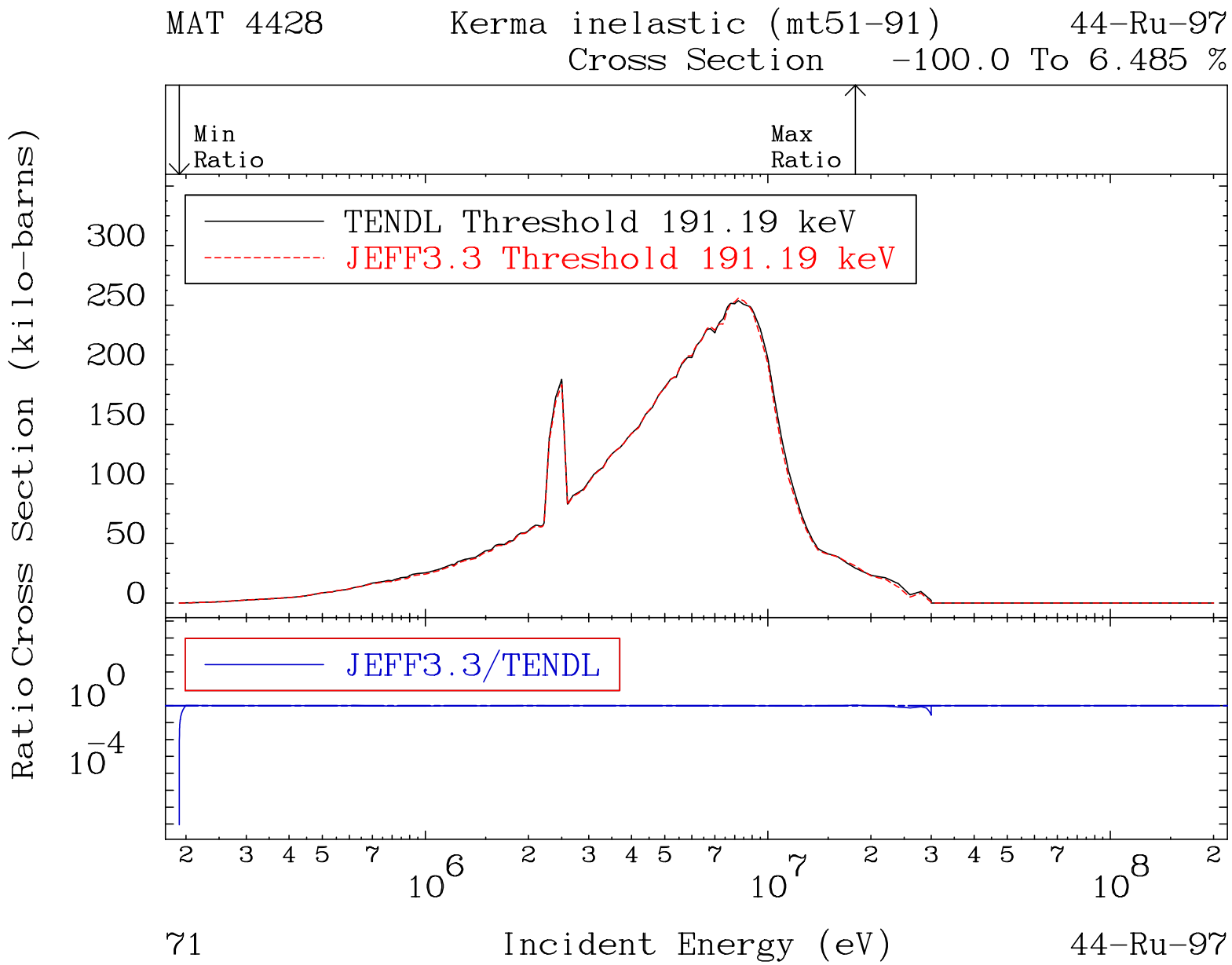

MAT 4428
He-3 Production
Cross Section
44-Ru-97
-0.079 To 2.070 %
Max Ratio
Min Ratio
TENDL Threshold 5.3234 MeV
JEFF3.3 Threshold 5.3234 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.03
1.02
1.01
1.00
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
66
Incident Energy (eV)
44-Ru-97

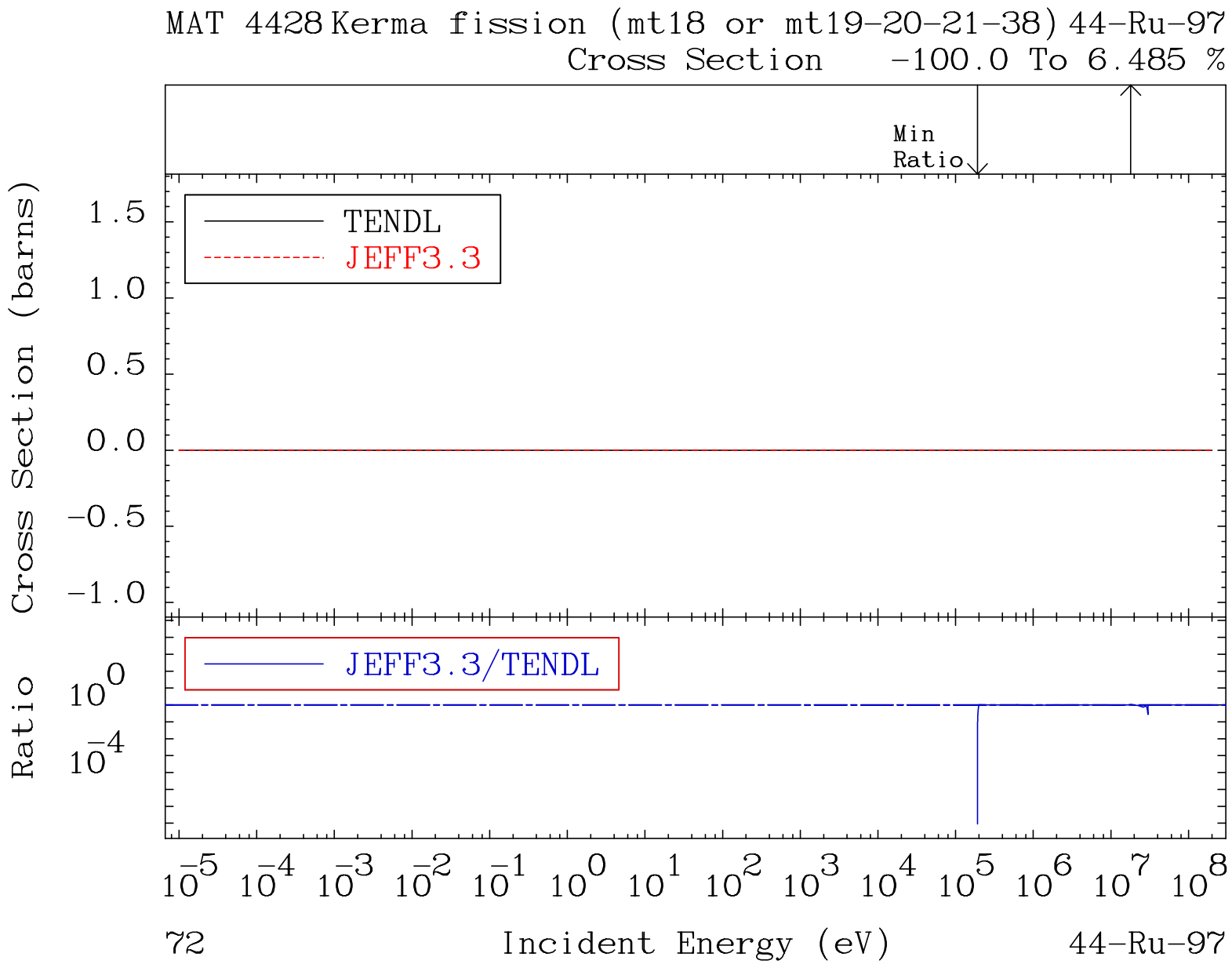

MAT 4428
He-4 Production
Cross Section
44-Ru-97
-30.42 To 169.9 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
44-Ru-97

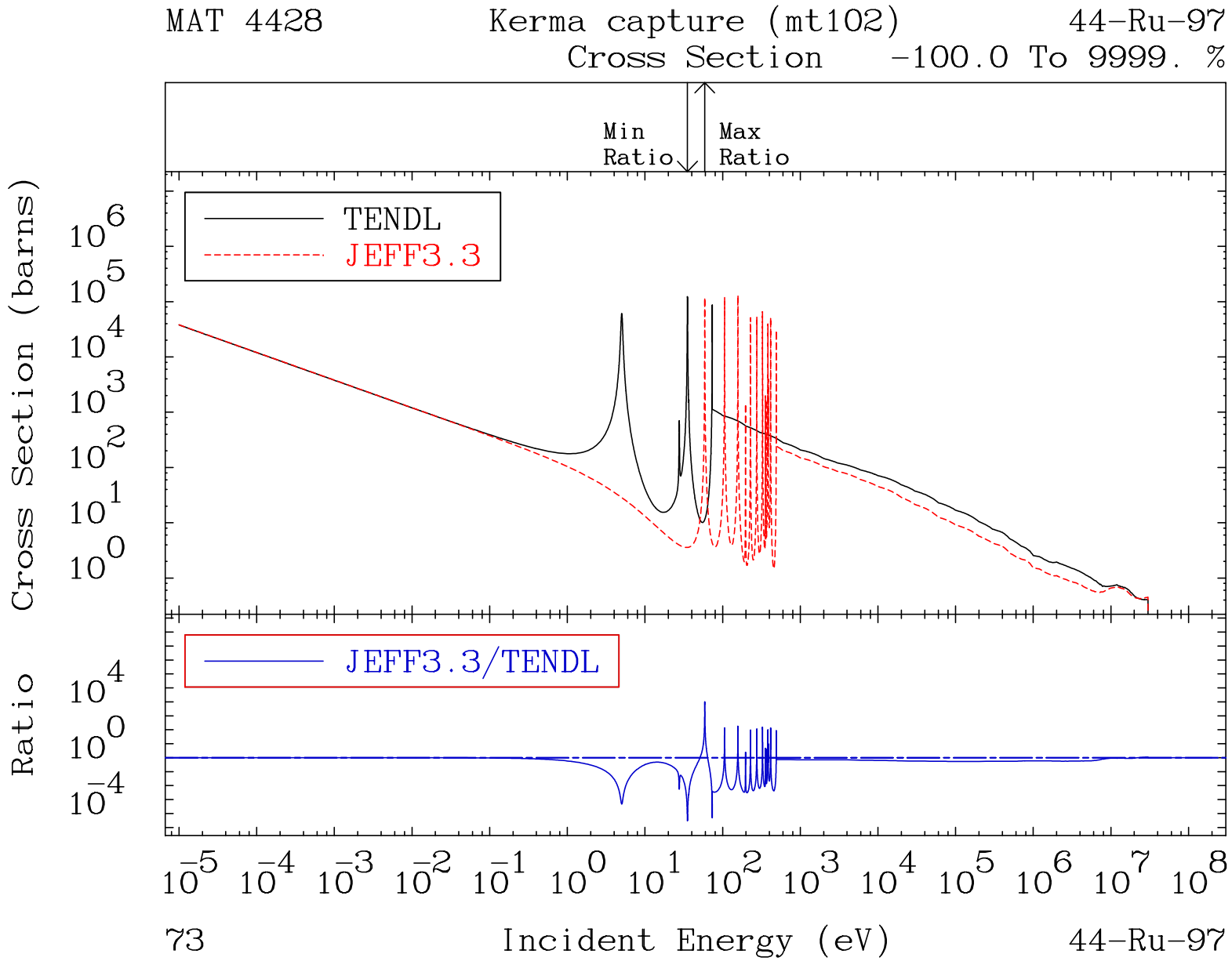

MAT 4428
Kerma total (eV-barns)
44-Ru-97
Cross Section -8.275 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
44-Ru-97

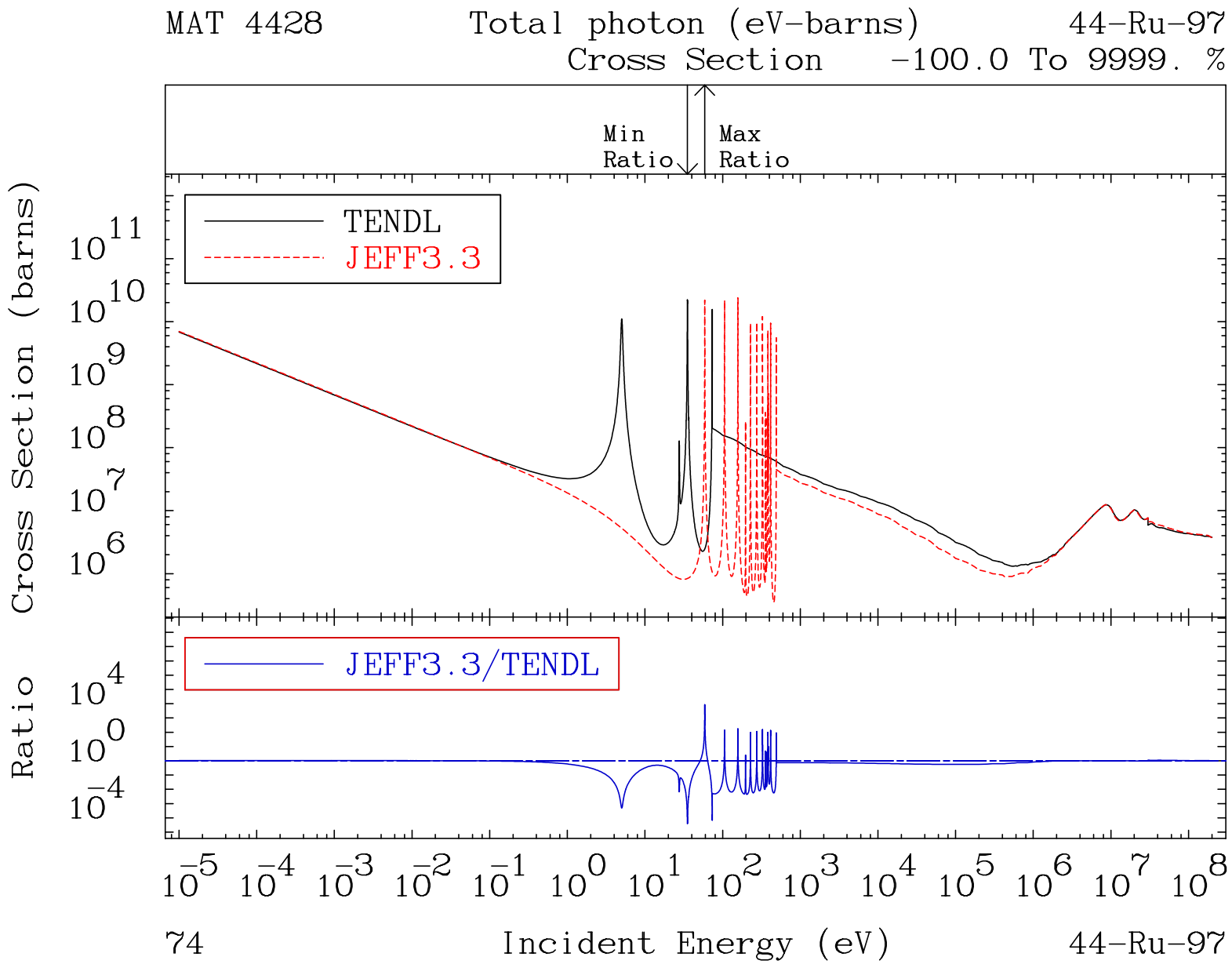

MAT 4428
Kerma elastic
Cross Section
44-Ru-97
-96.49 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
44-Ru-97

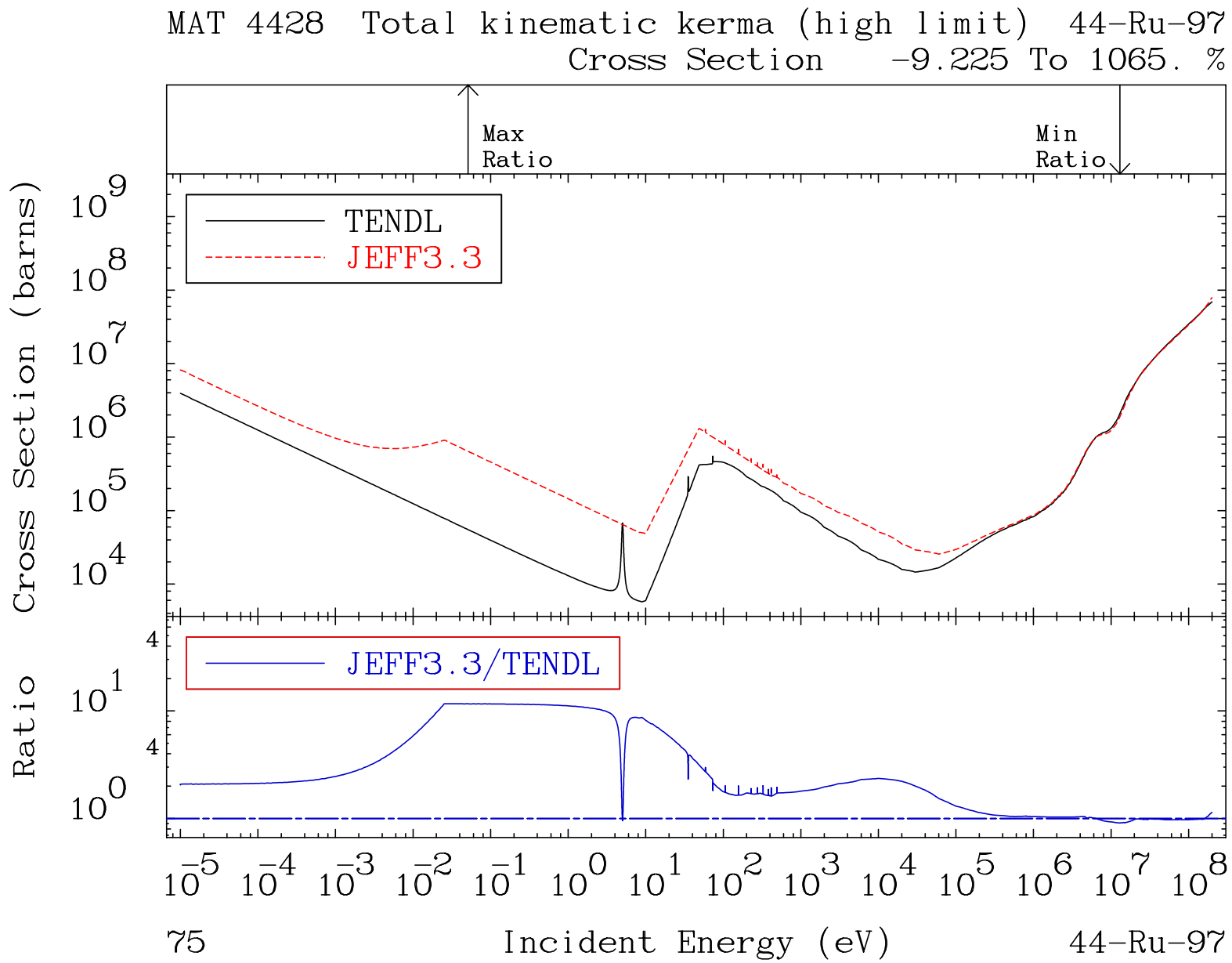

MAT 4428 Kerma non-elastic (all but mt2) 44-Ru-97
Cross Section -8.505 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
44-Ru-97

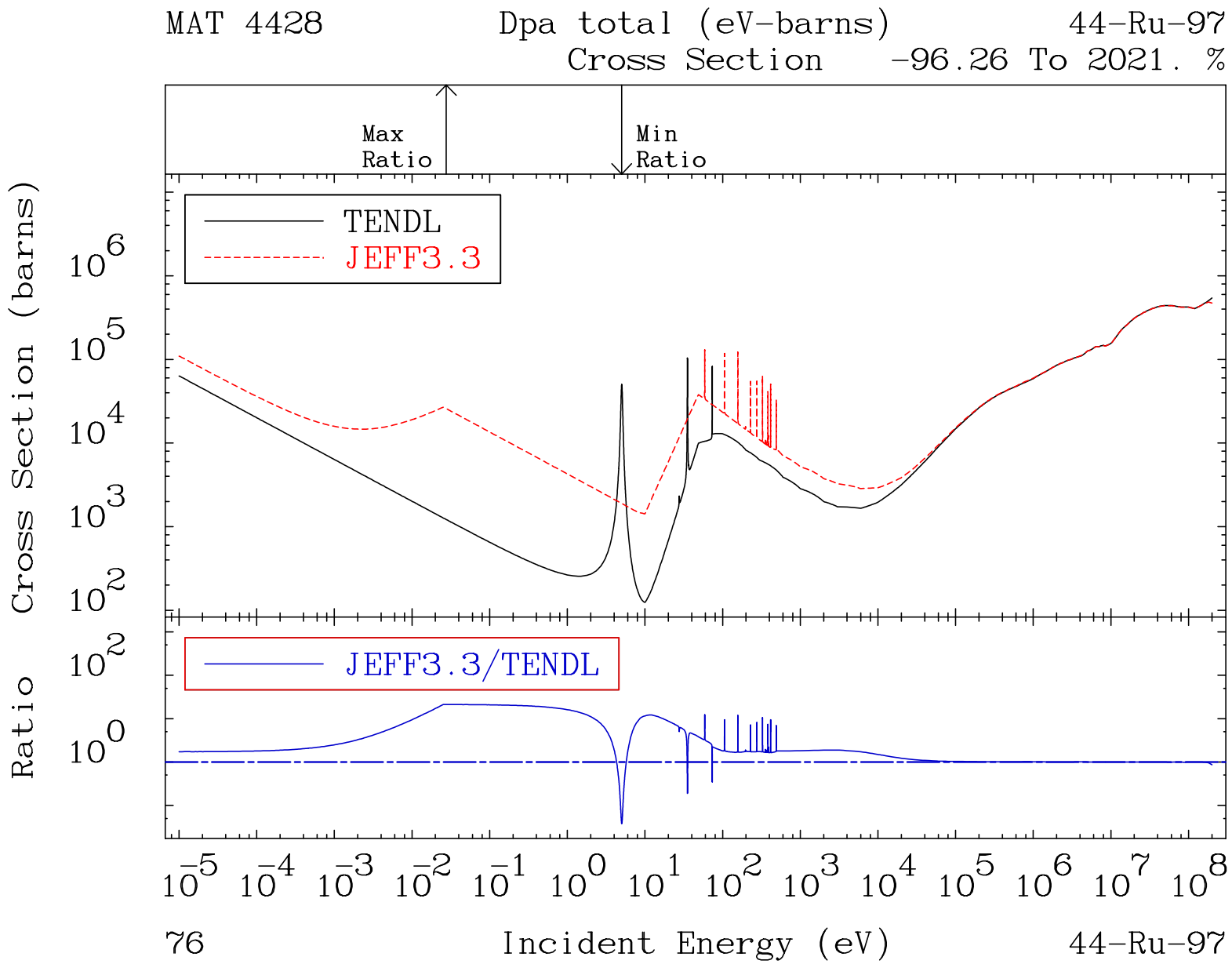

MAT 4428
Kerma inelastic (mt51-91)
44-Ru-97
Cross Section -100.0 To 6.485 %
Min Ratio
Max Ratio
TENDL Threshold 191.19 keV
JEFF3.3 Threshold 191.19 keV
JEFF3.3/TENDL
Ratio Cross Section (kilo-barns)
300
250
200
150
100
50
0
10^{0}
10^{-4}
2 3 4 5 7 10^{6} 2 3 4 5 7 10^{7} 2 3 4 5 7 10^{8} 2
71
Incident Energy (eV)
44-Ru-97

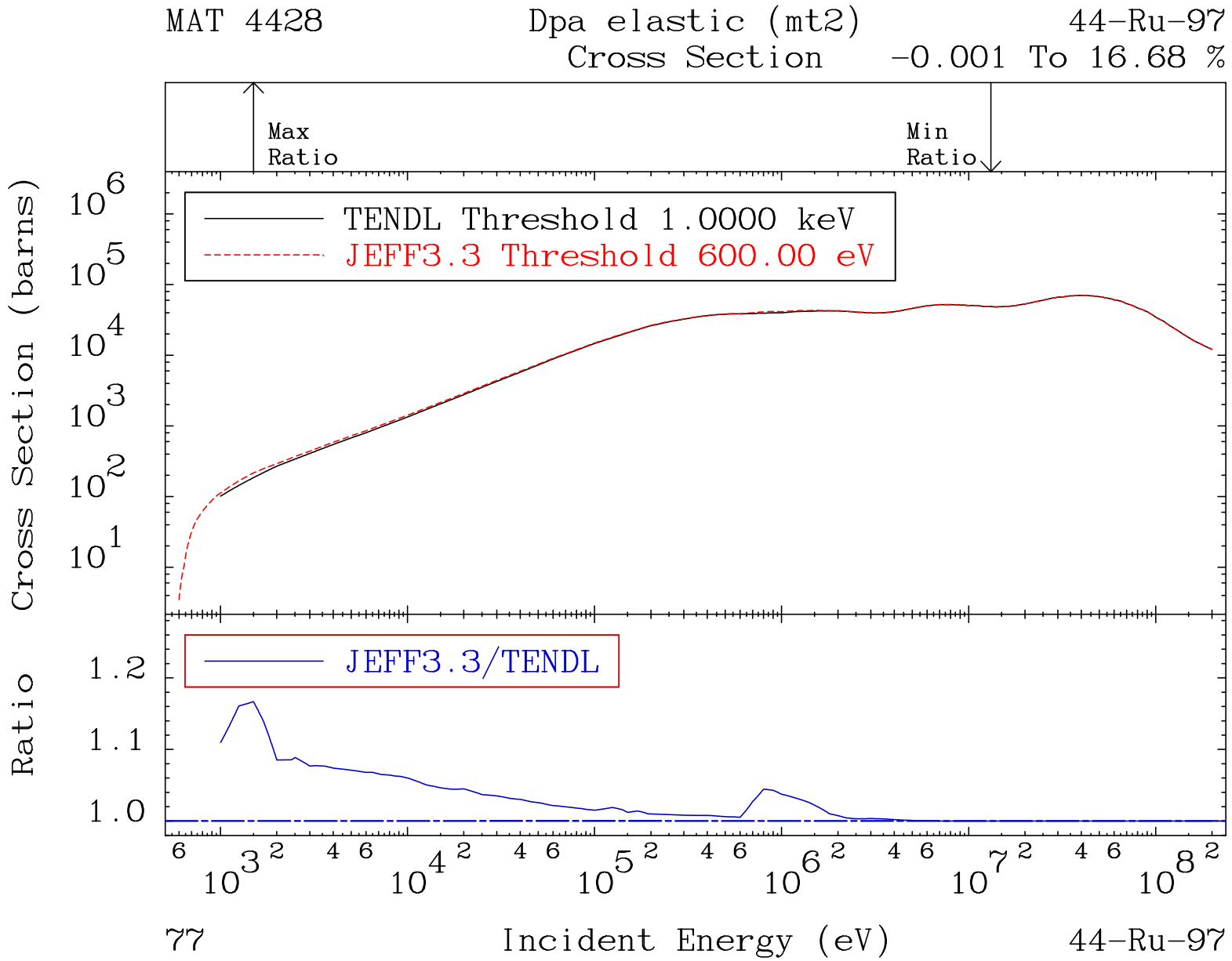

MAT 4428 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-97
Cross Section -100.0 To 6.485 %
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
72
Incident Energy (eV)
44-Ru-97

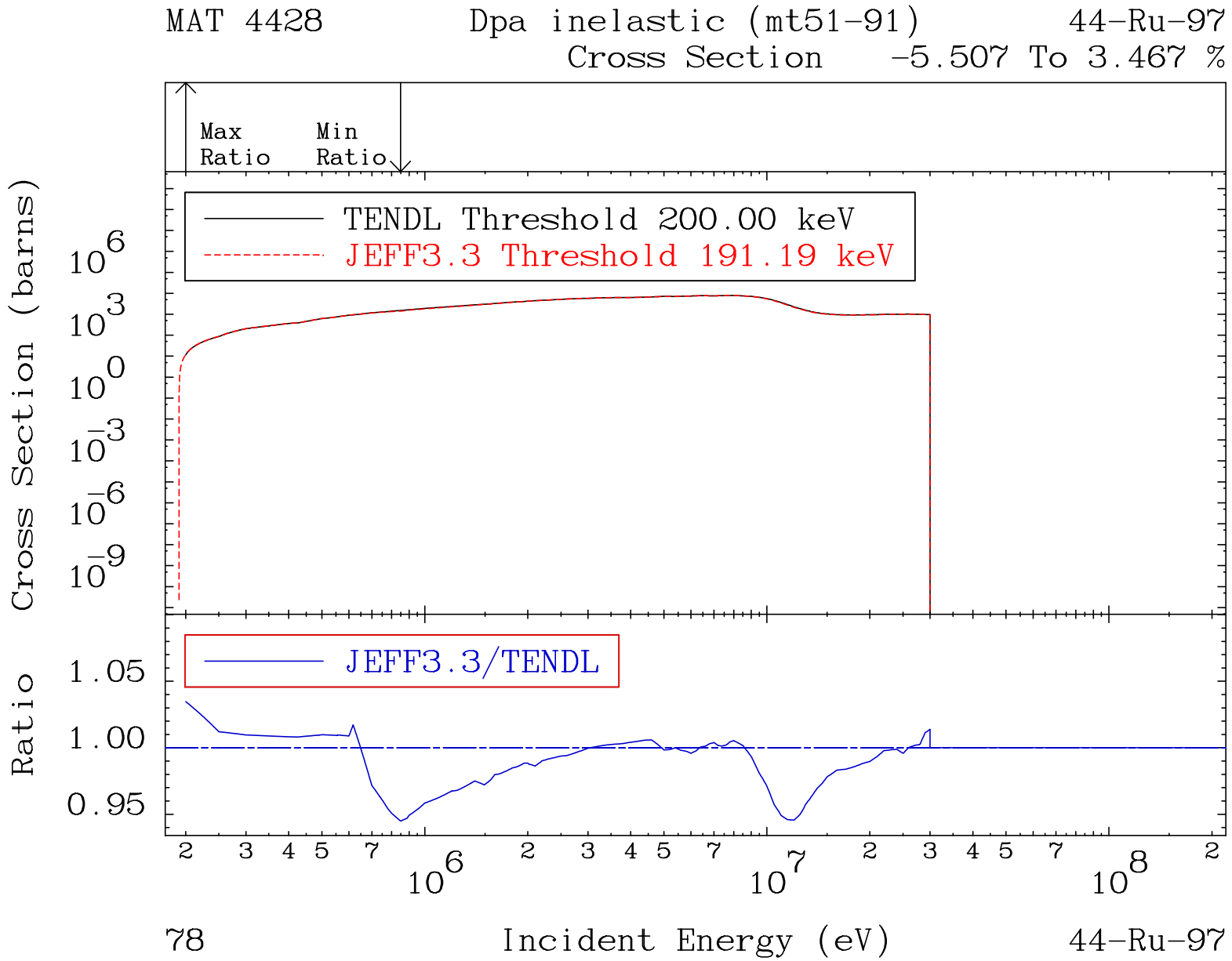

MAT 4428
Kerma capture (mt102)
44-Ru-97
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
73
44-Ru-97

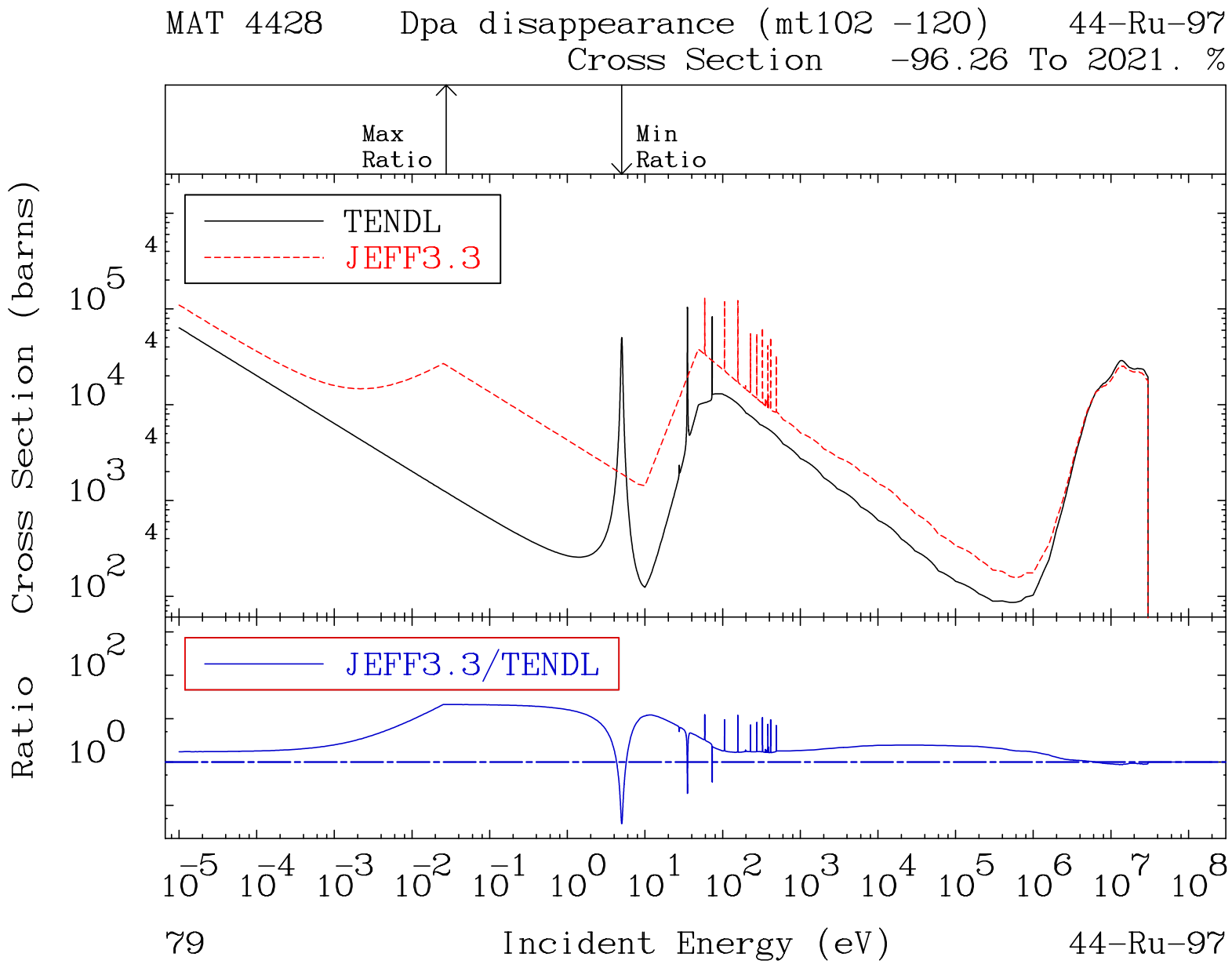

MAT 4428
Total photon (eV-barns)
44-Ru-97
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
44-Ru-97

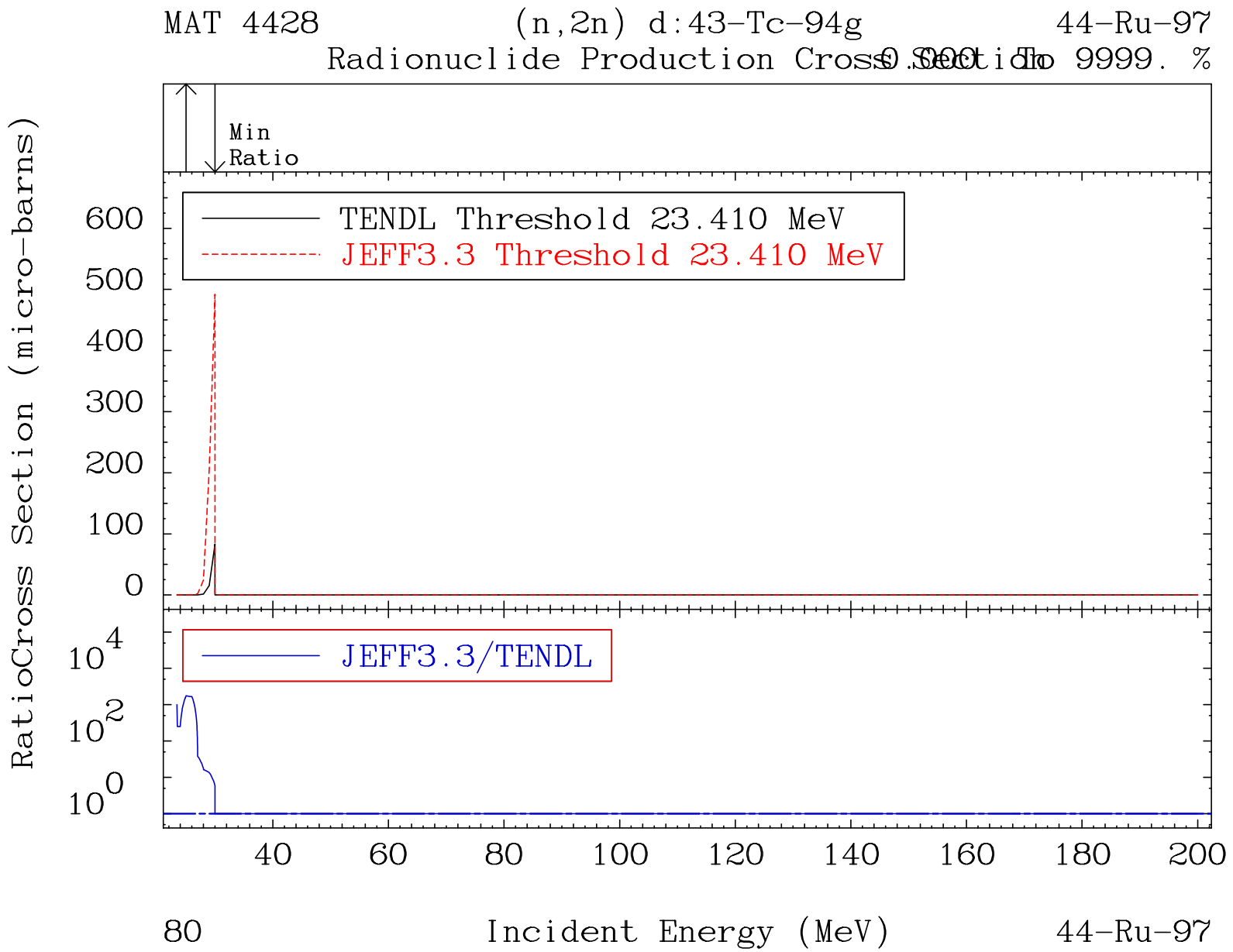

MAT 4428 Total kinematic kerma (high limit) 44-Ru-97
Cross Section -9.225 To 1065. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
44-Ru-97

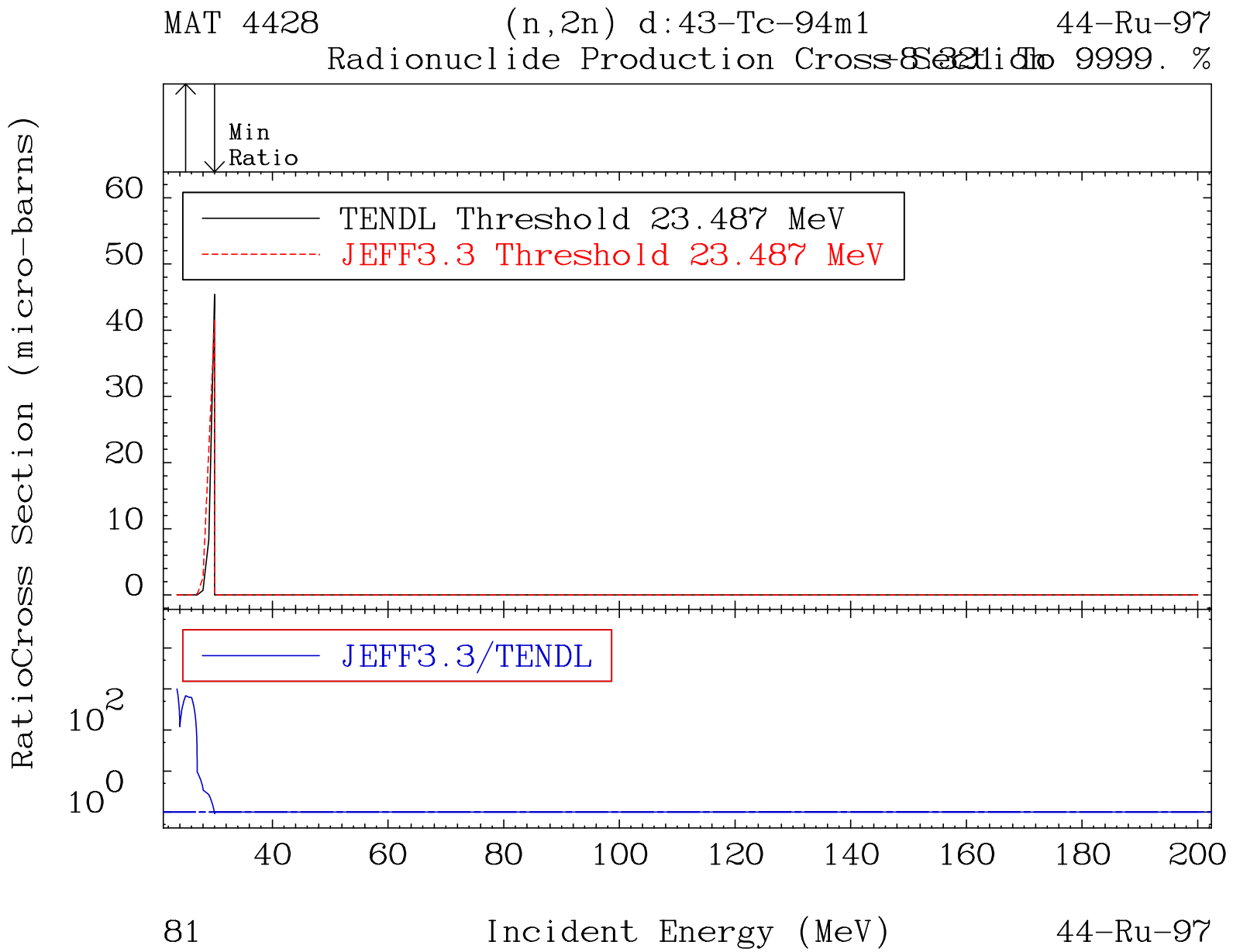

MAT 4428
Dpa total (eV-barns)
44-Ru-97
Cross Section -96.26 To 2021. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
44-Ru-97

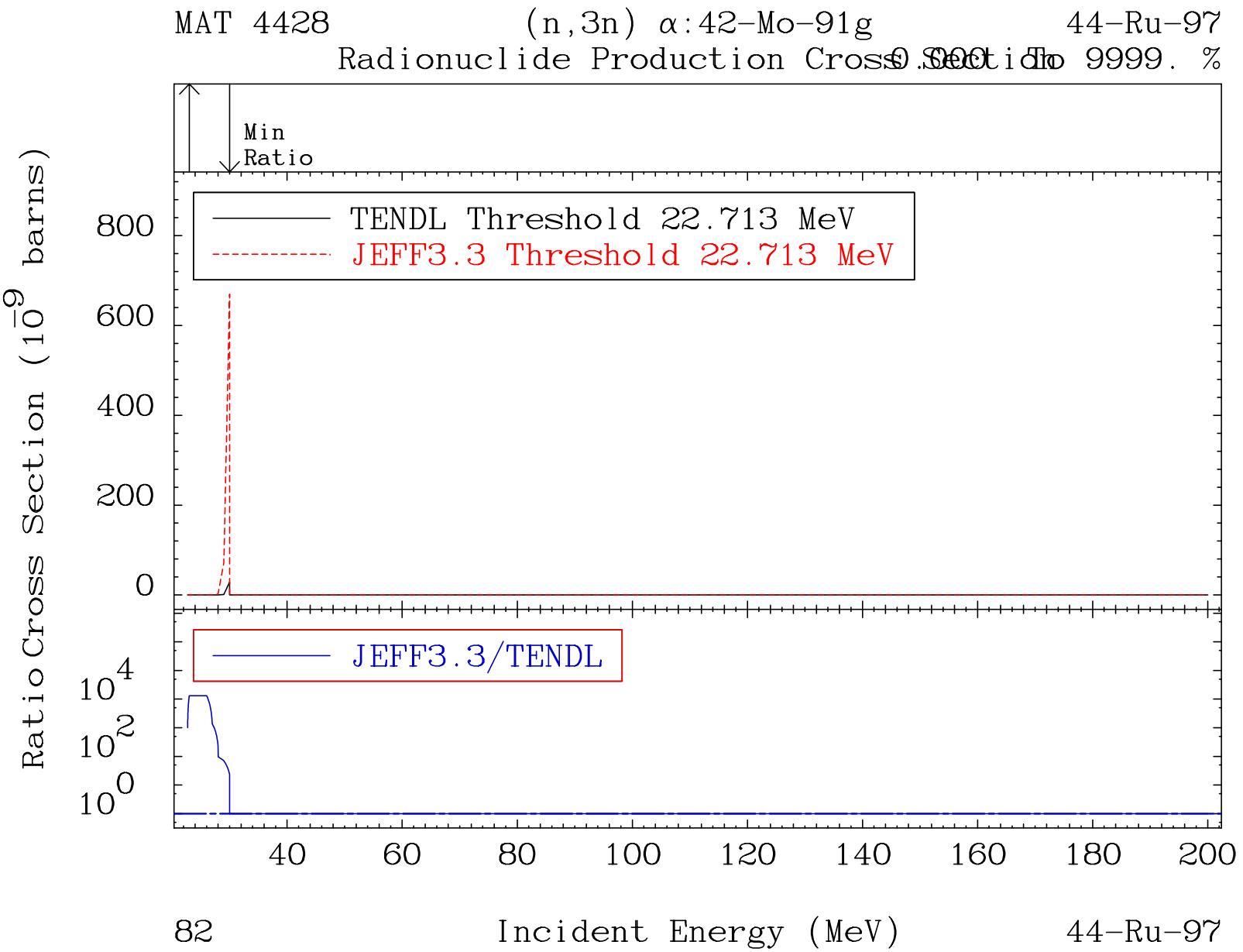

MAT 4428
Dpa elastic (mt2)
Cross Section
44-Ru-97
-0.001 To 16.68 %
Max Ratio
Min Ratio
TENDL Threshold 1.0000 keV
JEFF3.3 Threshold 600.00 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
44-Ru-97

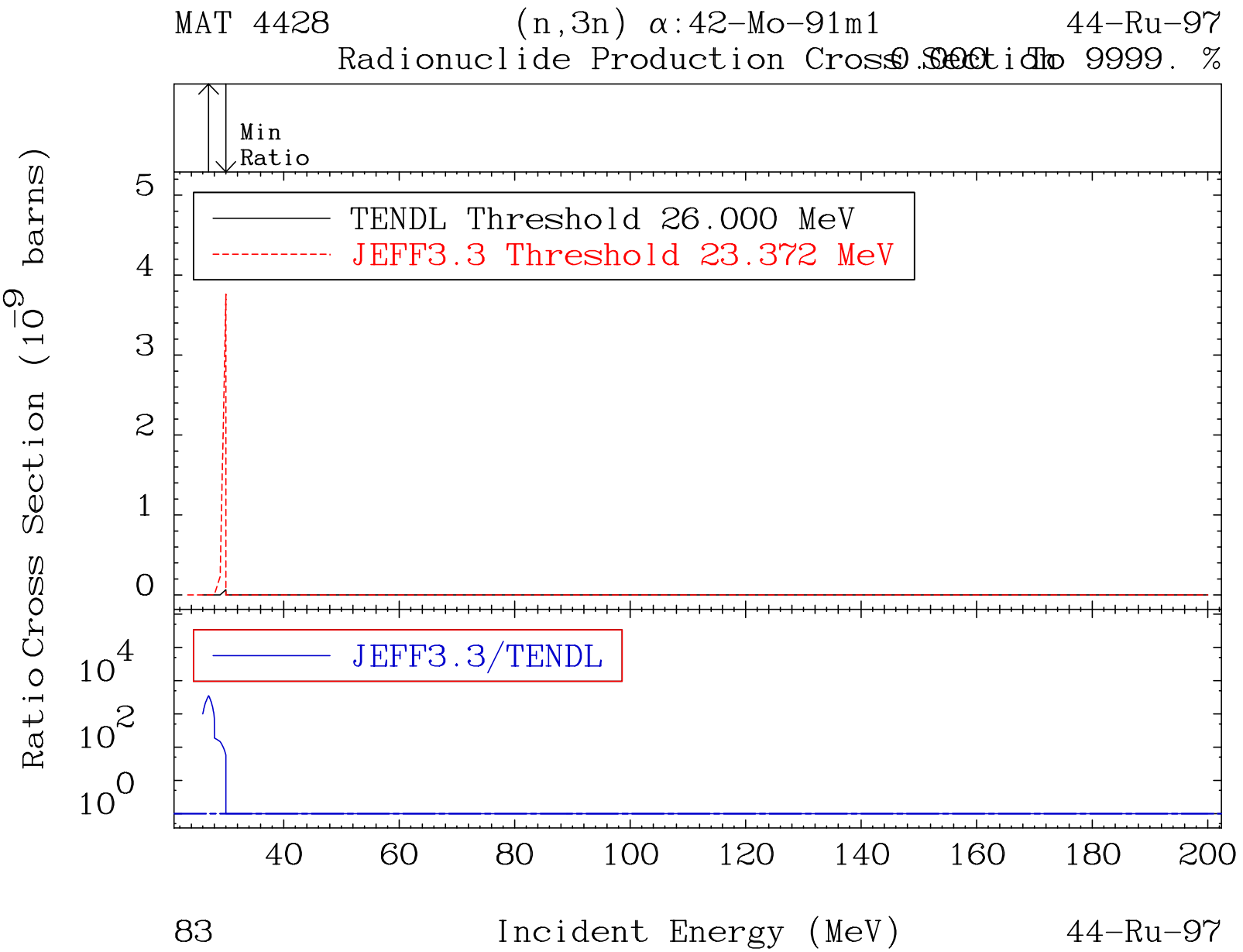

MAT 4428
Dpa inelastic (mt51-91)
44-Ru-97
Cross Section -5.507 To 3.467 %
Max Ratio
Min Ratio
TENDL Threshold 200.00 keV
JEFF3.3 Threshold 191.19 keV
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-9
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
78
Incident Energy (eV)
44-Ru-97

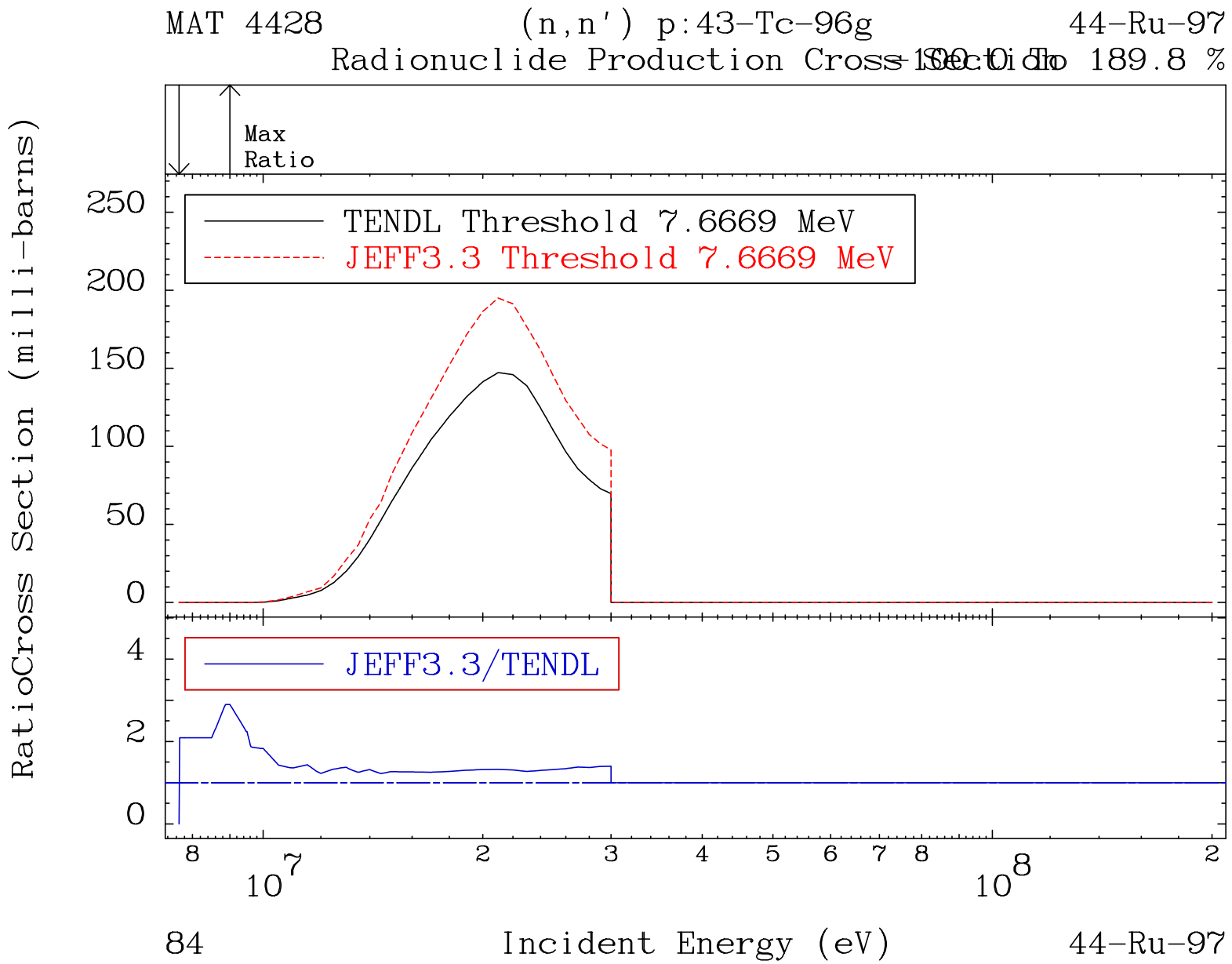

MAT 4428 Dpa disappearance (mt102 -120) 44-Ru-97
Cross Section -96.26 To 2021. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
79
44-Ru-97

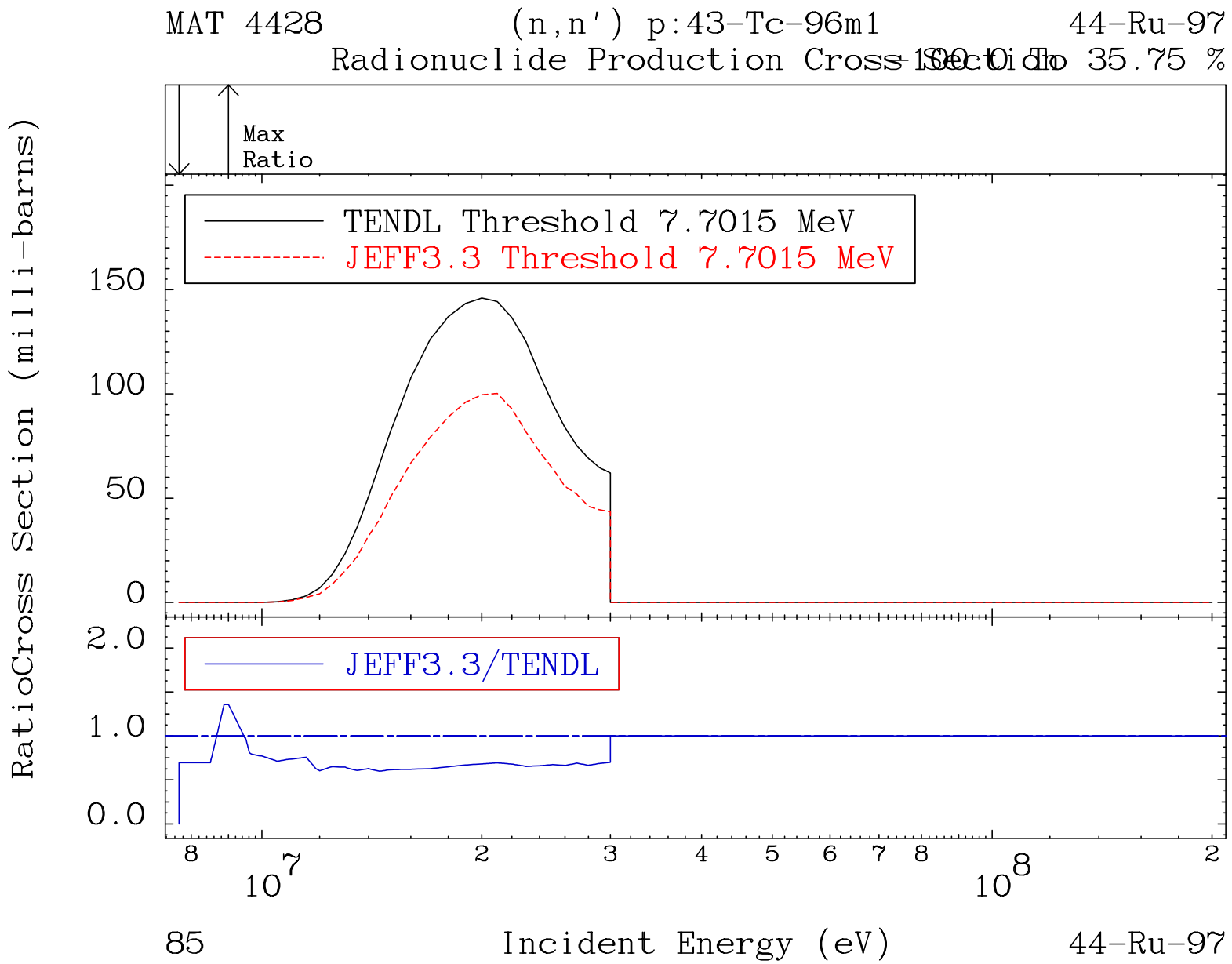

MAT 4428
(n,2n) d:43-Tc-94g
44-Ru-97
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 23.410 MeV
JEFF3.3 Threshold 23.410 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
80
Incident Energy (MeV)
44-Ru-97

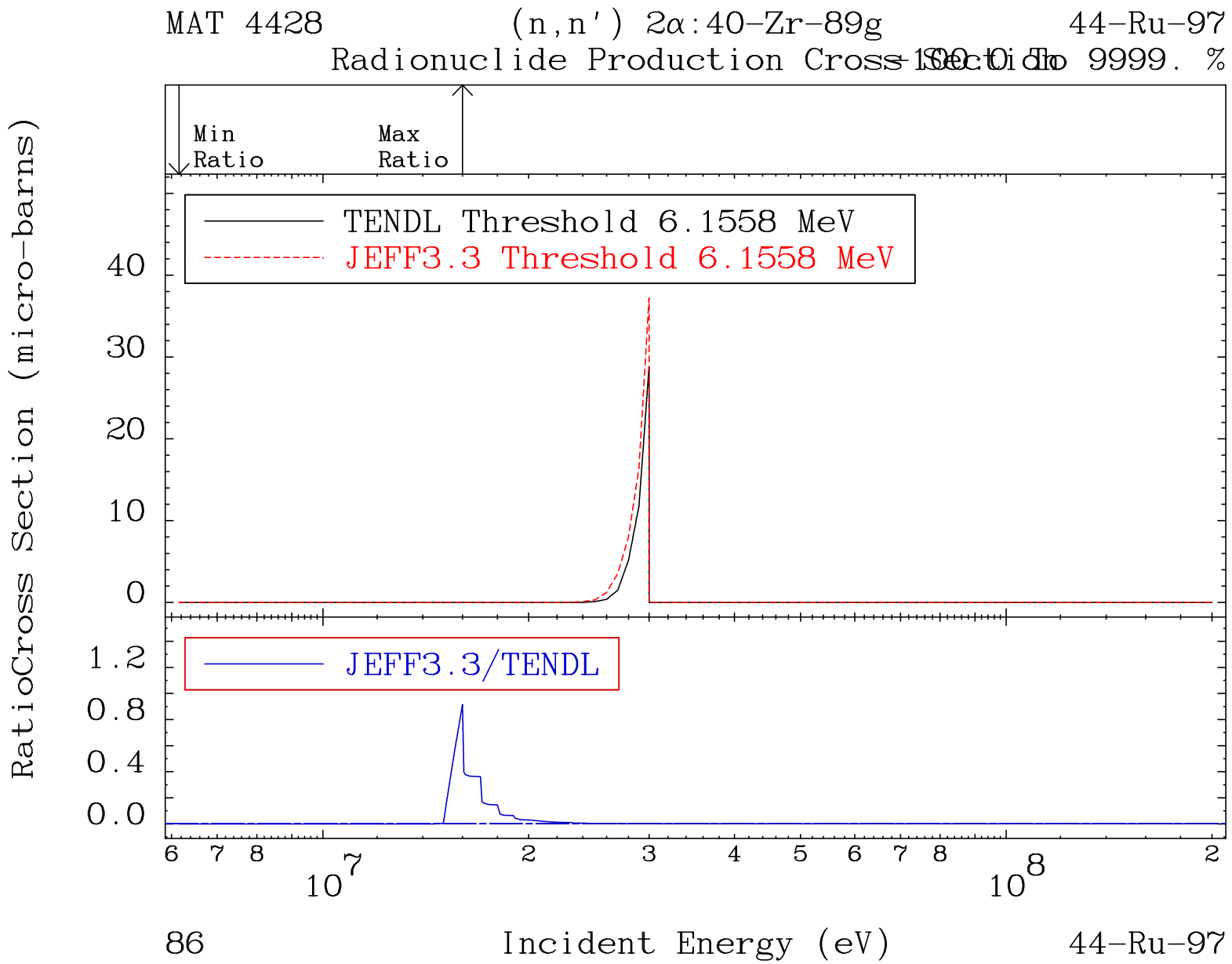

MAT 4428
(n,2n) d:43-Tc-94m1
44-Ru-97
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 23.487 MeV
JEFF3.3 Threshold 23.487 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (MeV)
81
44-Ru-97

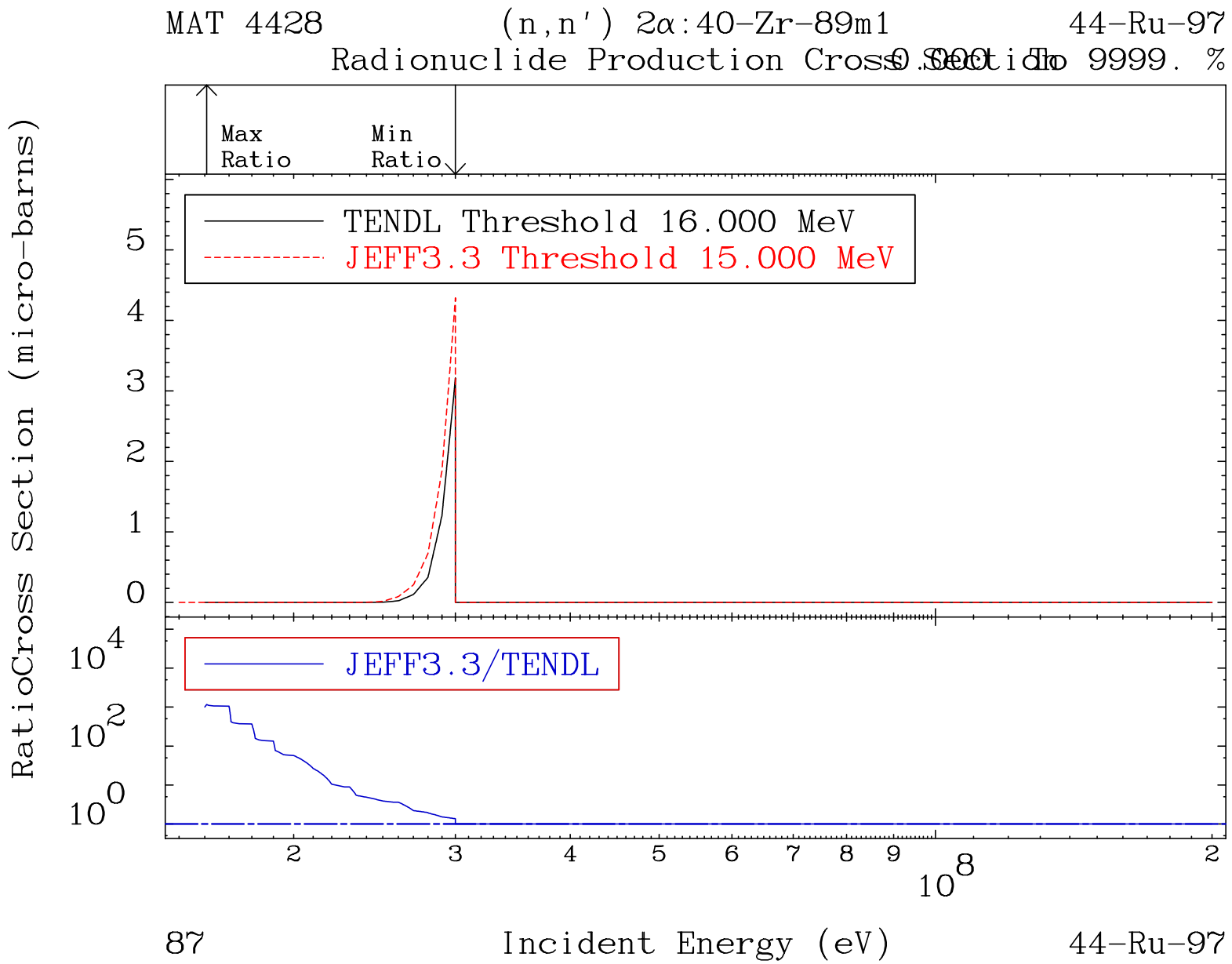

MAT 4428
(n,3n) α:42-Mo-91g
44-Ru-97
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 22.713 MeV
JEFF3.3 Threshold 22.713 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
800
600
400
200
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
82
Incident Energy (MeV)
44-Ru-97

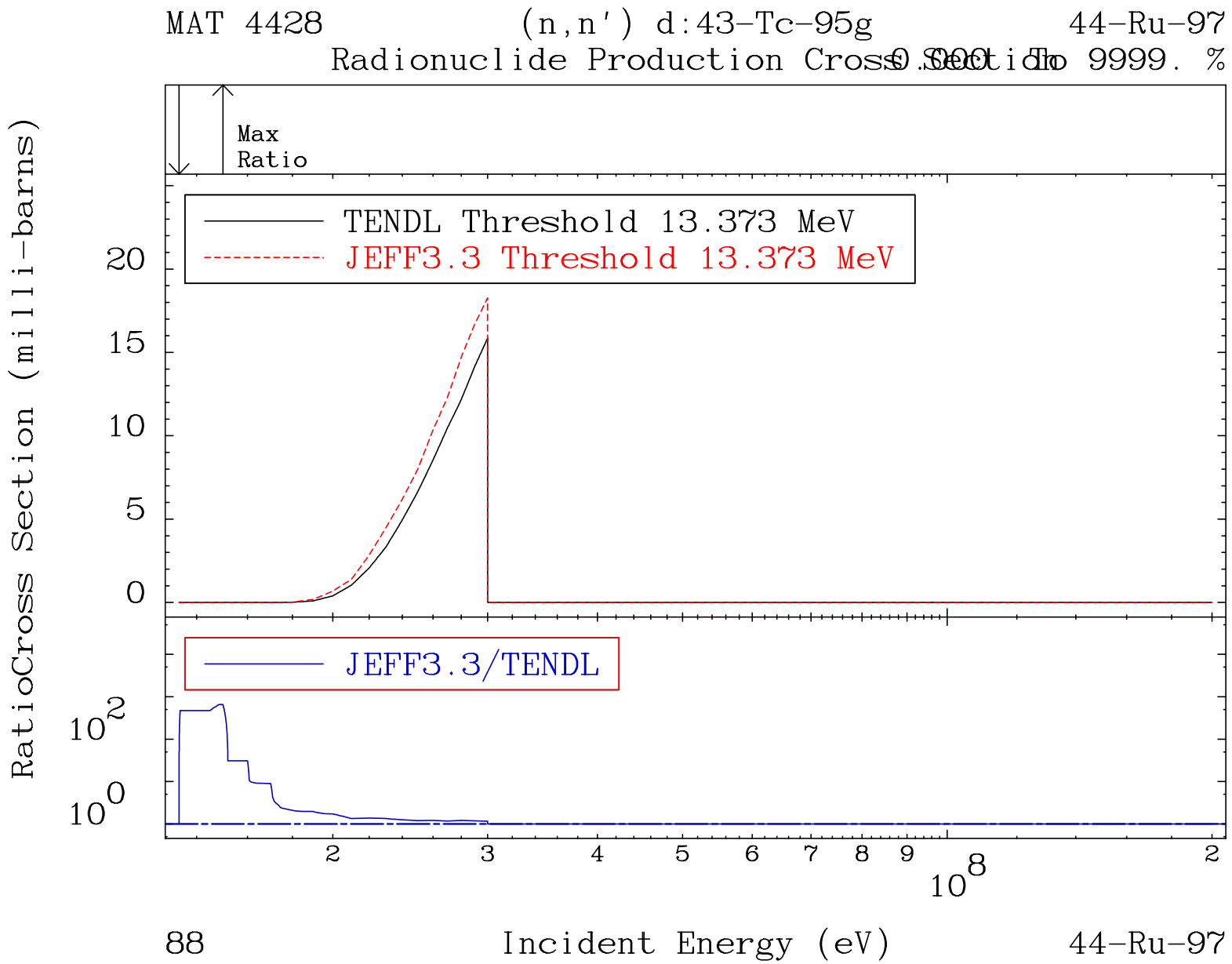

MAT 4428
(n,3n) α:42-Mo-91m1
44-Ru-97
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 26.000 MeV
JEFF3.3 Threshold 23.372 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
0
1
2
3
4
10^0
10^2
10^4
40
60
80
100
120
140
160
180
200
83
Incident Energy (MeV)
44-Ru-97

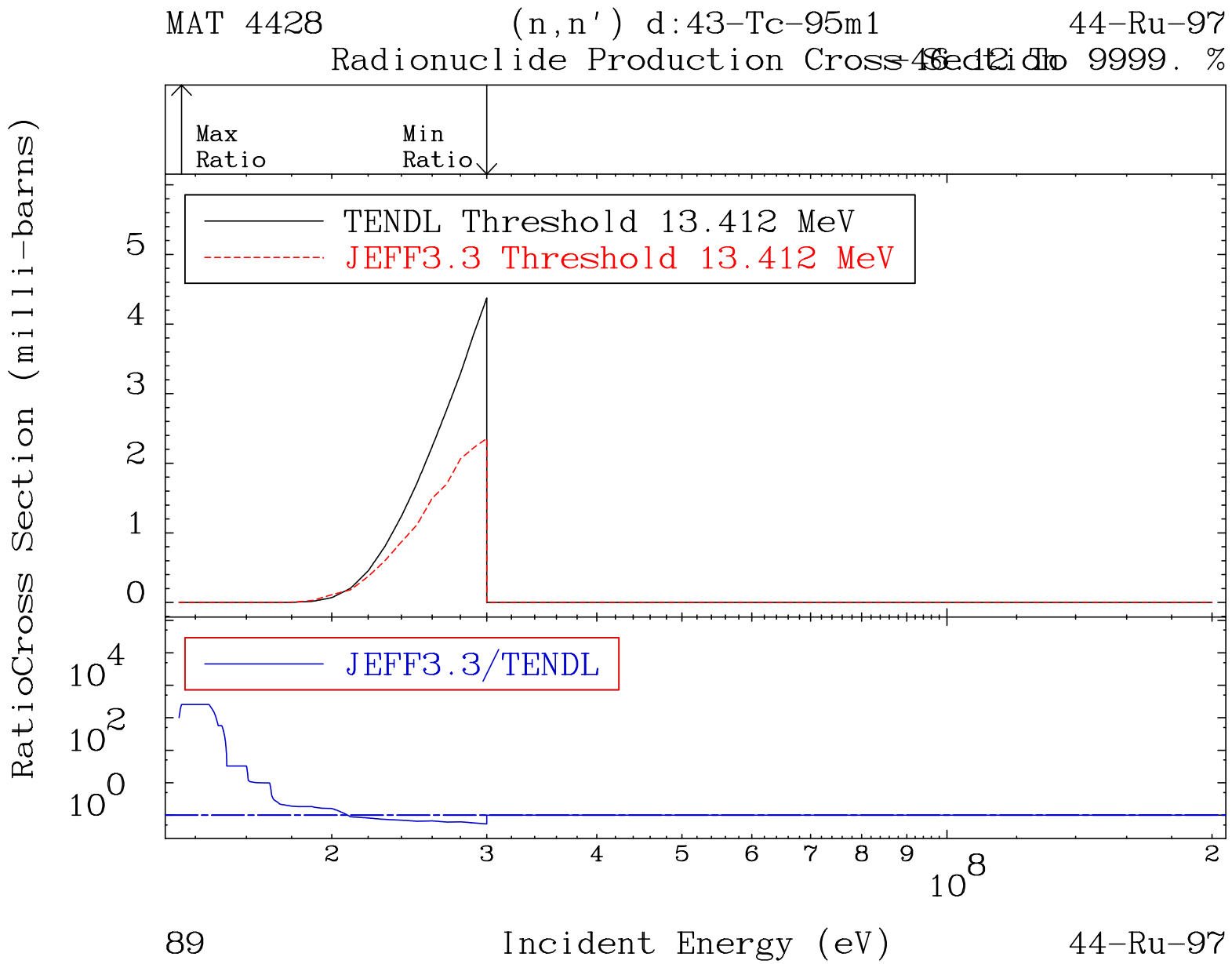

MAT 4428
(n,n') p:43-Tc-96g
44-Ru-97
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 7.6669 MeV
JEFF3.3 Threshold 7.6669 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
84
44-Ru-97

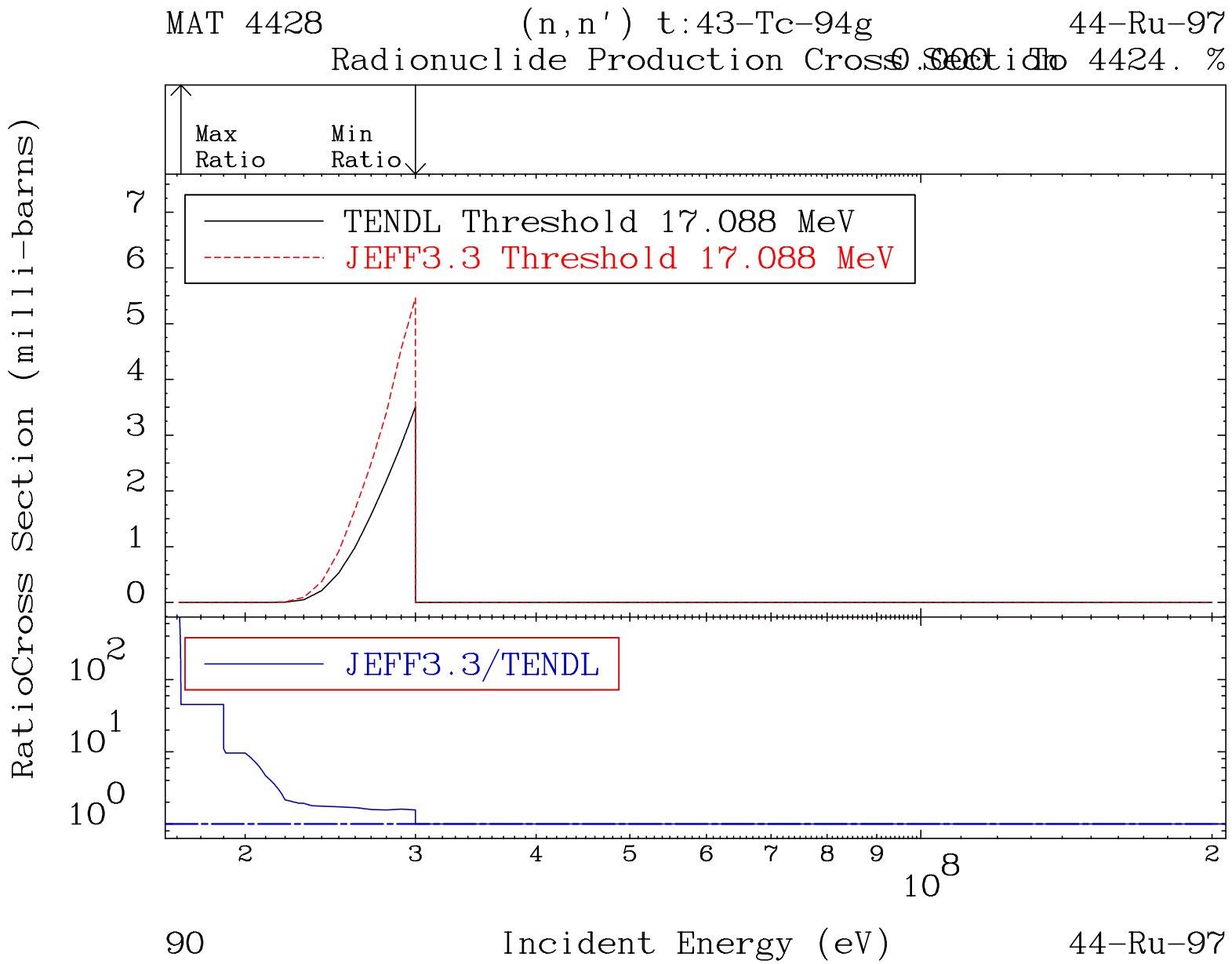

MAT 4428
(n,n') p:43-Tc-96m1
44-Ru-97
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 7.7015 MeV
JEFF3.3 Threshold 7.7015 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
85
Incident Energy (eV)
44-Ru-97

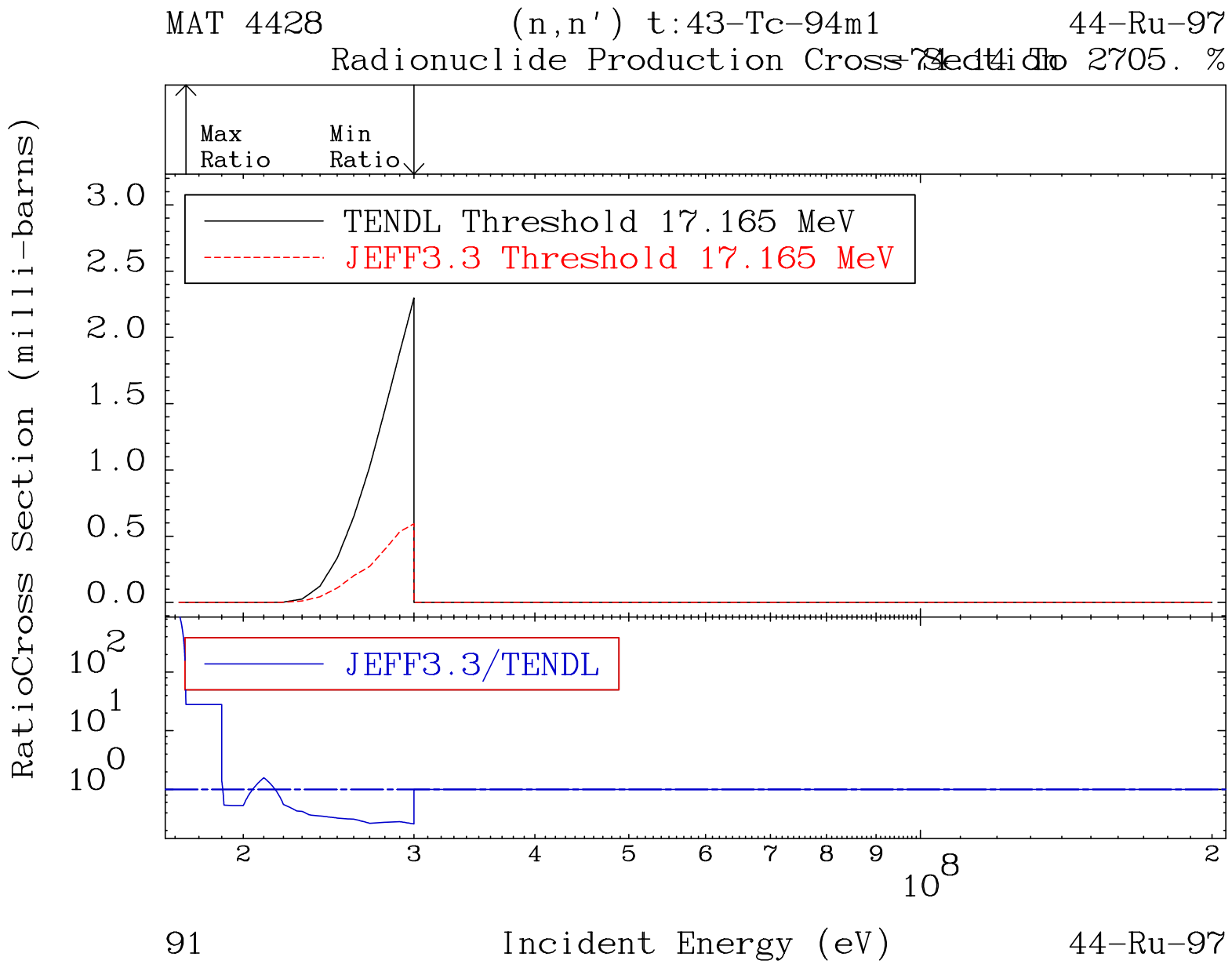

MAT 4428
(n,n') 2α:40-Zr-89g
44-Ru-97
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.1558 MeV
JEFF3.3 Threshold 6.1558 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
40
30
20
10
0
1.2
0.8
0.4
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
86
Incident Energy (eV)
44-Ru-97

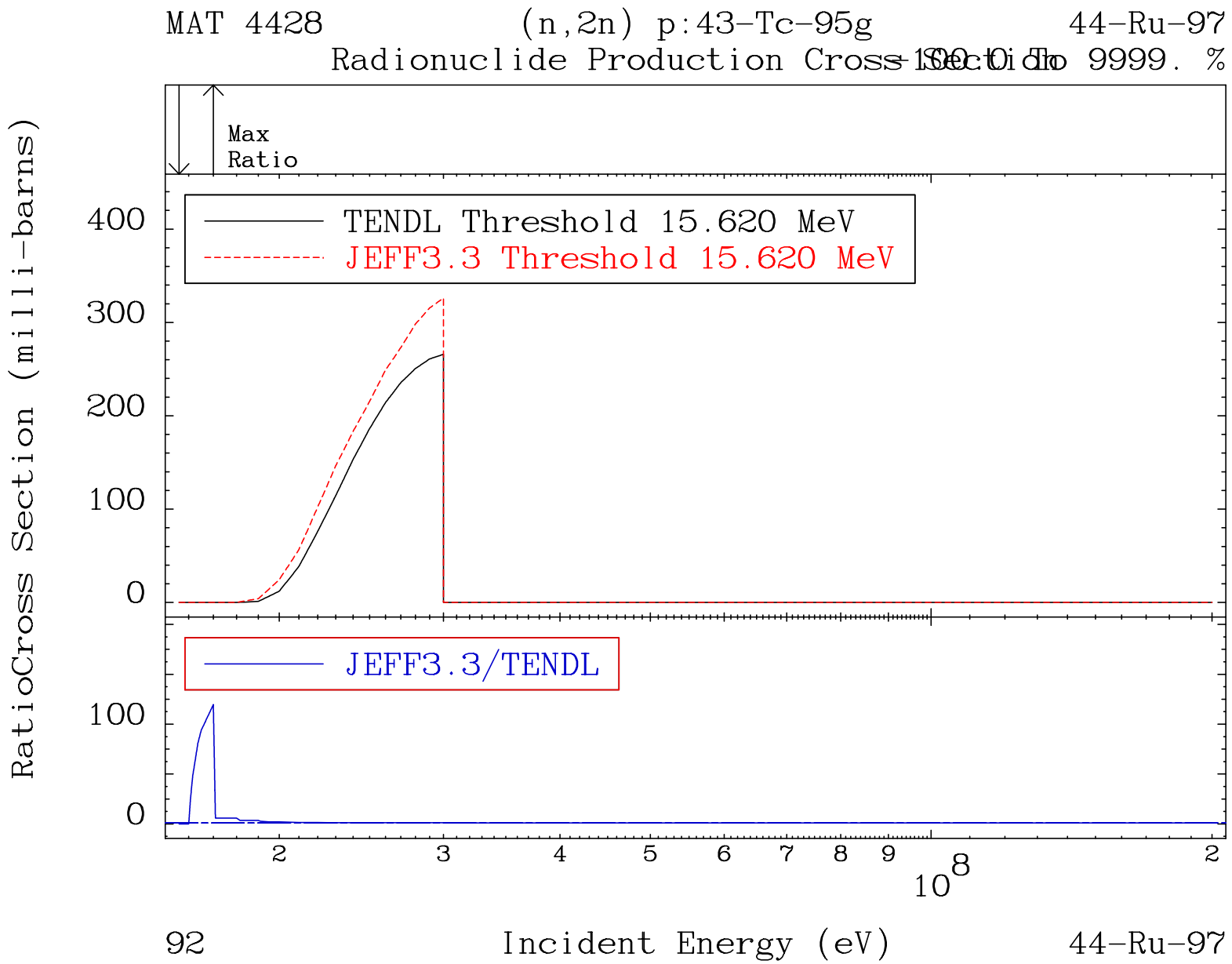

MAT 4428
(n,n') 2α:40-Zr-89m1
44-Ru-97
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 16.000 MeV
JEFF3.3 Threshold 15.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
87
44-Ru-97

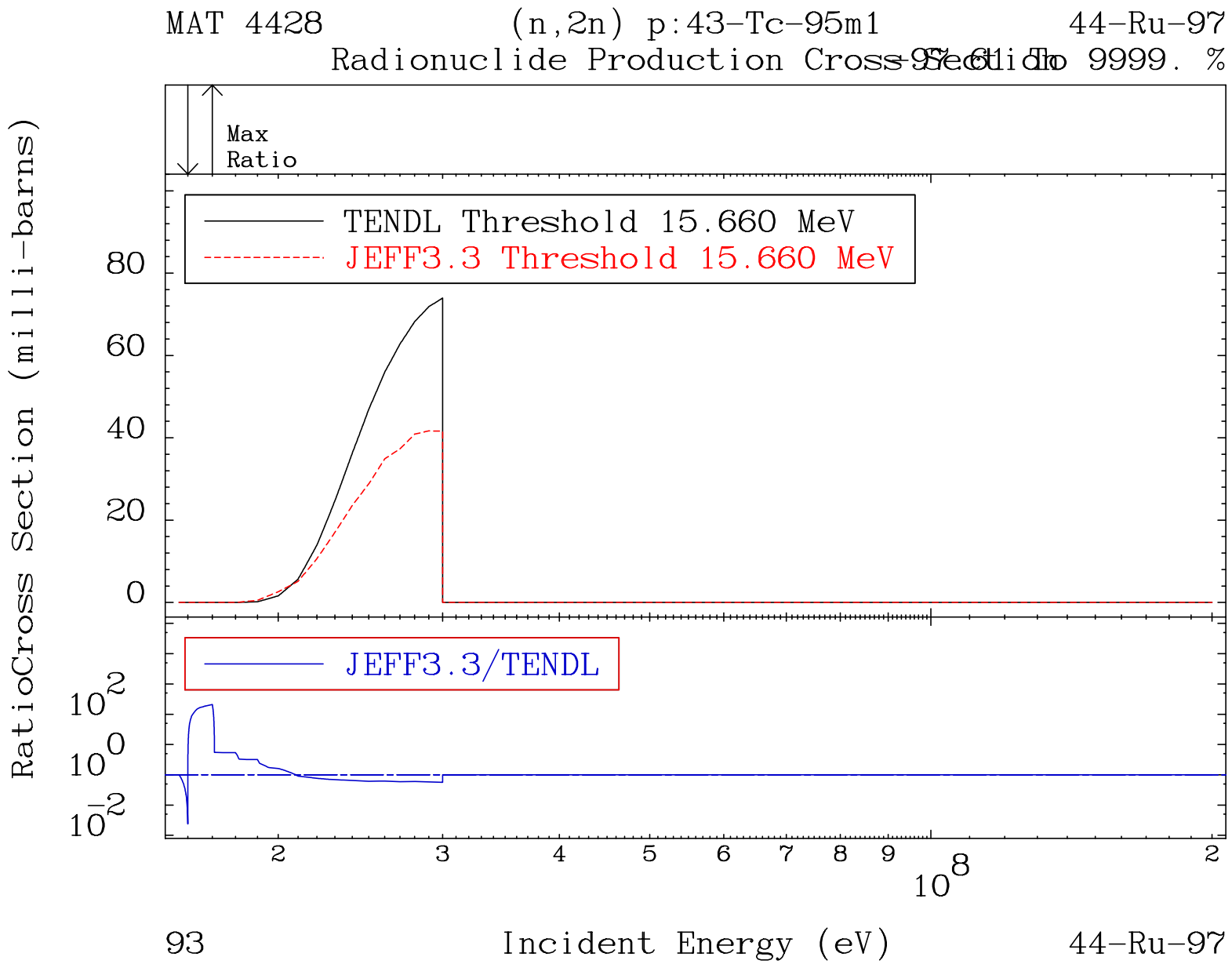

MAT 4428
(n,n') d:43-Tc-95g
44-Ru-97
Radionuclide Production Cross Section
0.000 To 9999. %
Max
Ratio
TENDL Threshold 13.373 MeV
JEFF3.3 Threshold 13.373 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
44-Ru-97

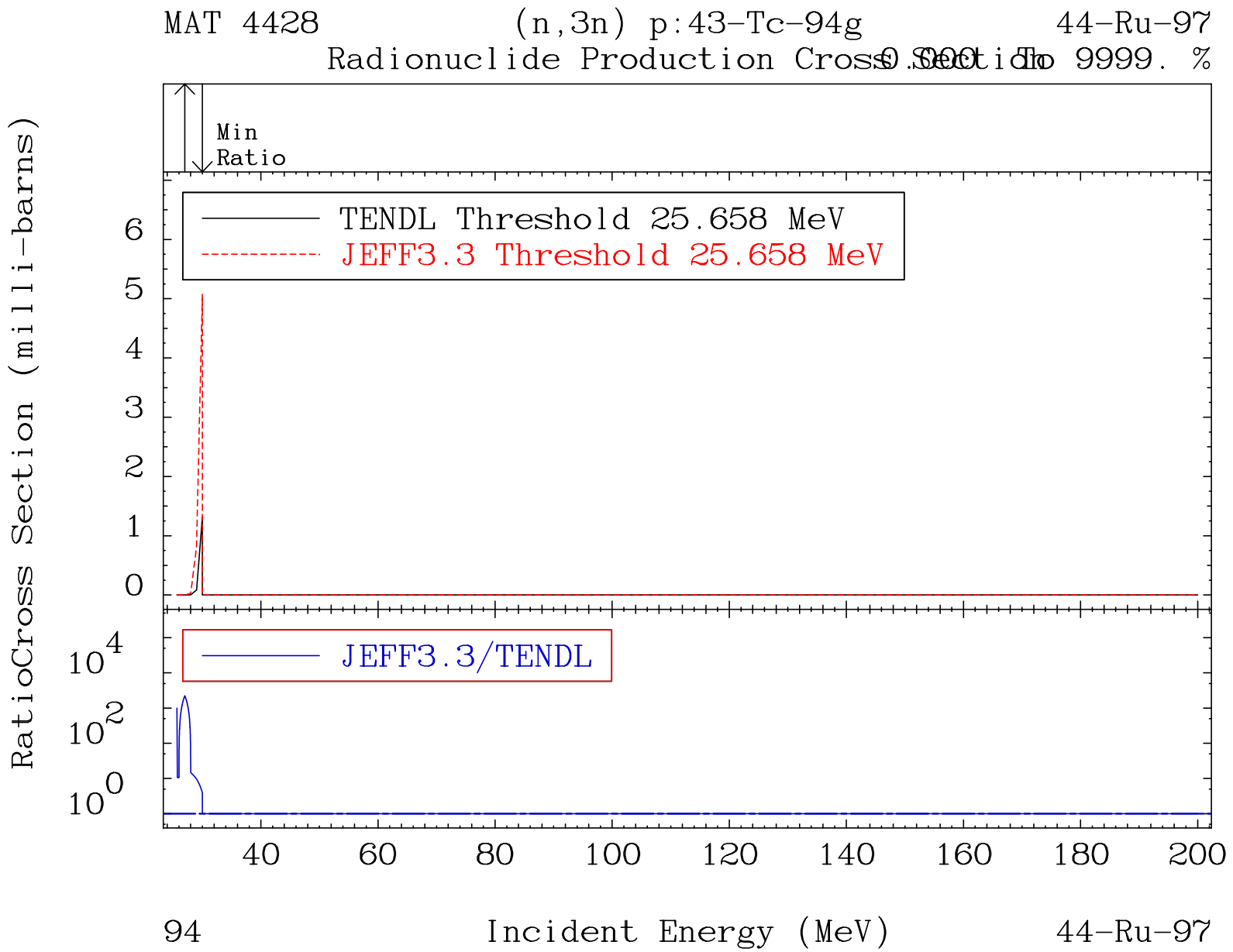

MAT 4428
(n,n') d:43-Tc-95m1
44-Ru-97
Radionuclide Production Cross-Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.412 MeV
JEFF3.3 Threshold 13.412 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
89
44-Ru-97

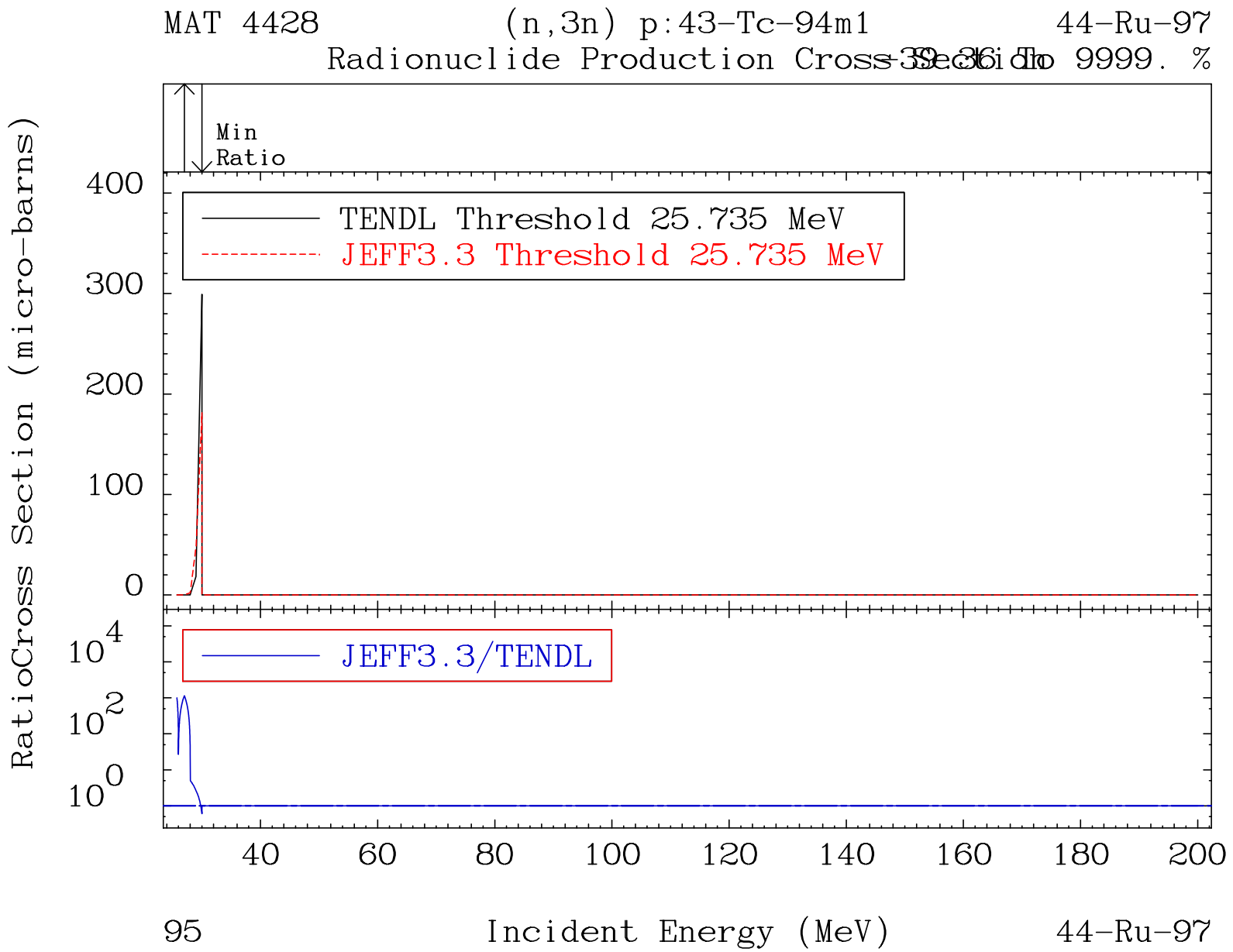

MAT 4428
(n,n') t:43-Tc-94g
44-Ru-97
Radionuclide Production Cross Section
0.000 To 4424. %
Max Ratio
Min Ratio
TENDL Threshold 17.088 MeV
JEFF3.3 Threshold 17.088 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
90
44-Ru-97

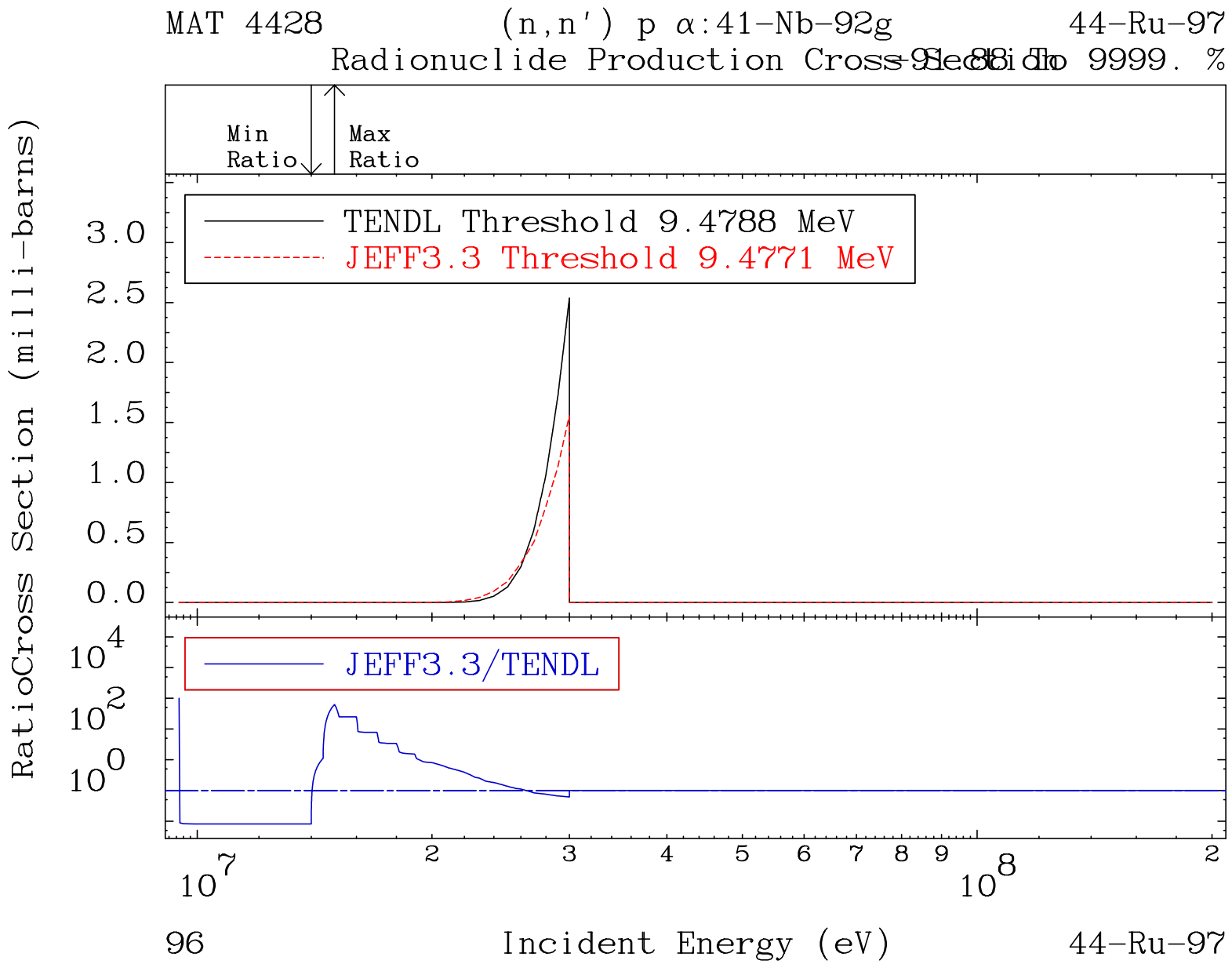

MAT 4428
(n,n') t:43-Tc-94m1
44-Ru-97
Radionuclide Production Cross Section To 2705. %
Max Ratio
Min Ratio
TENDL Threshold 17.165 MeV
JEFF3.3 Threshold 17.165 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
44-Ru-97

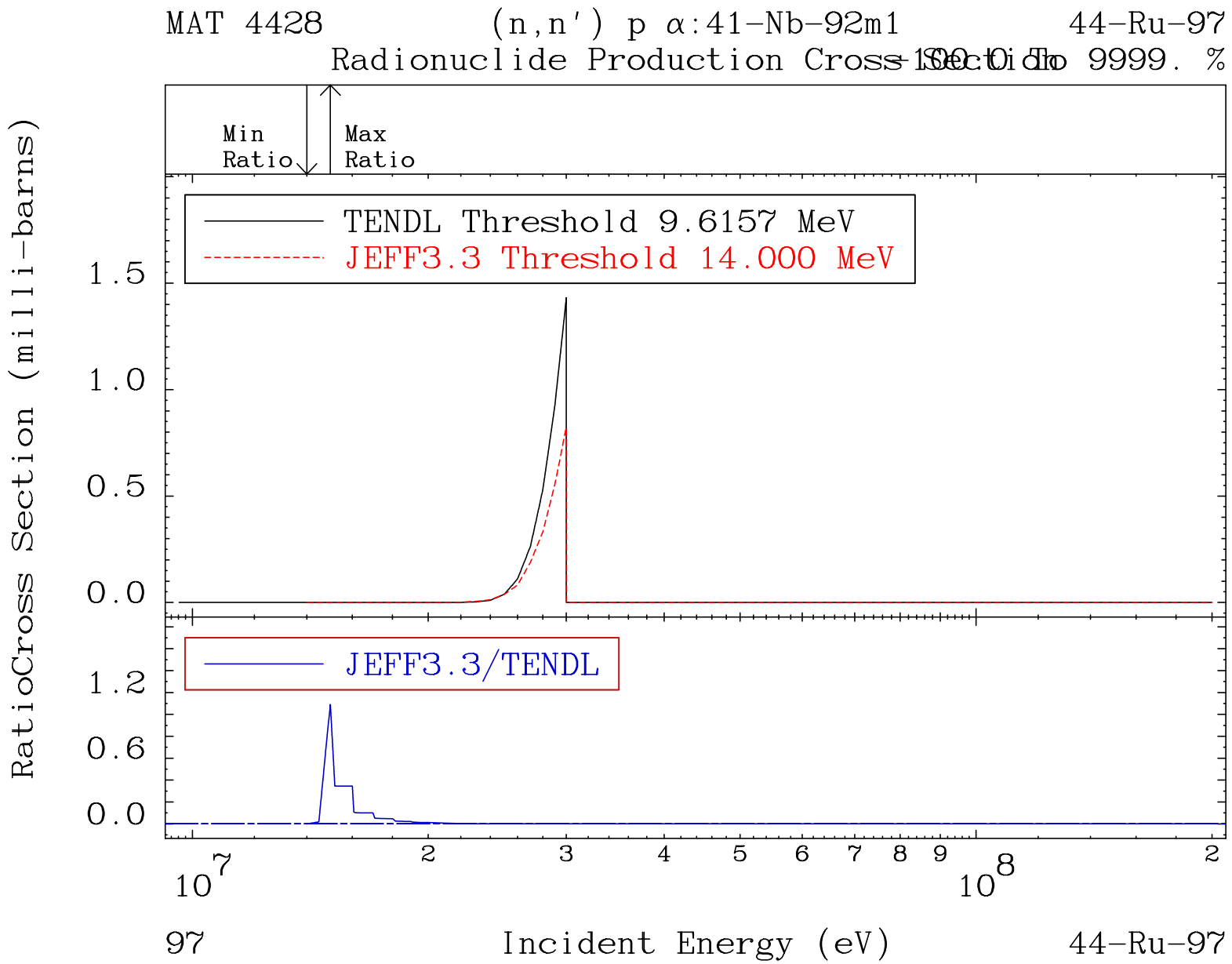

MAT 4428
(n,2n) p:43-Tc-95g
44-Ru-97
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 15.620 MeV
JEFF3.3 Threshold 15.620 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
100
0
2
3
4
5
6
7
8
9
2
10^8
92
Incident Energy (eV)
44-Ru-97

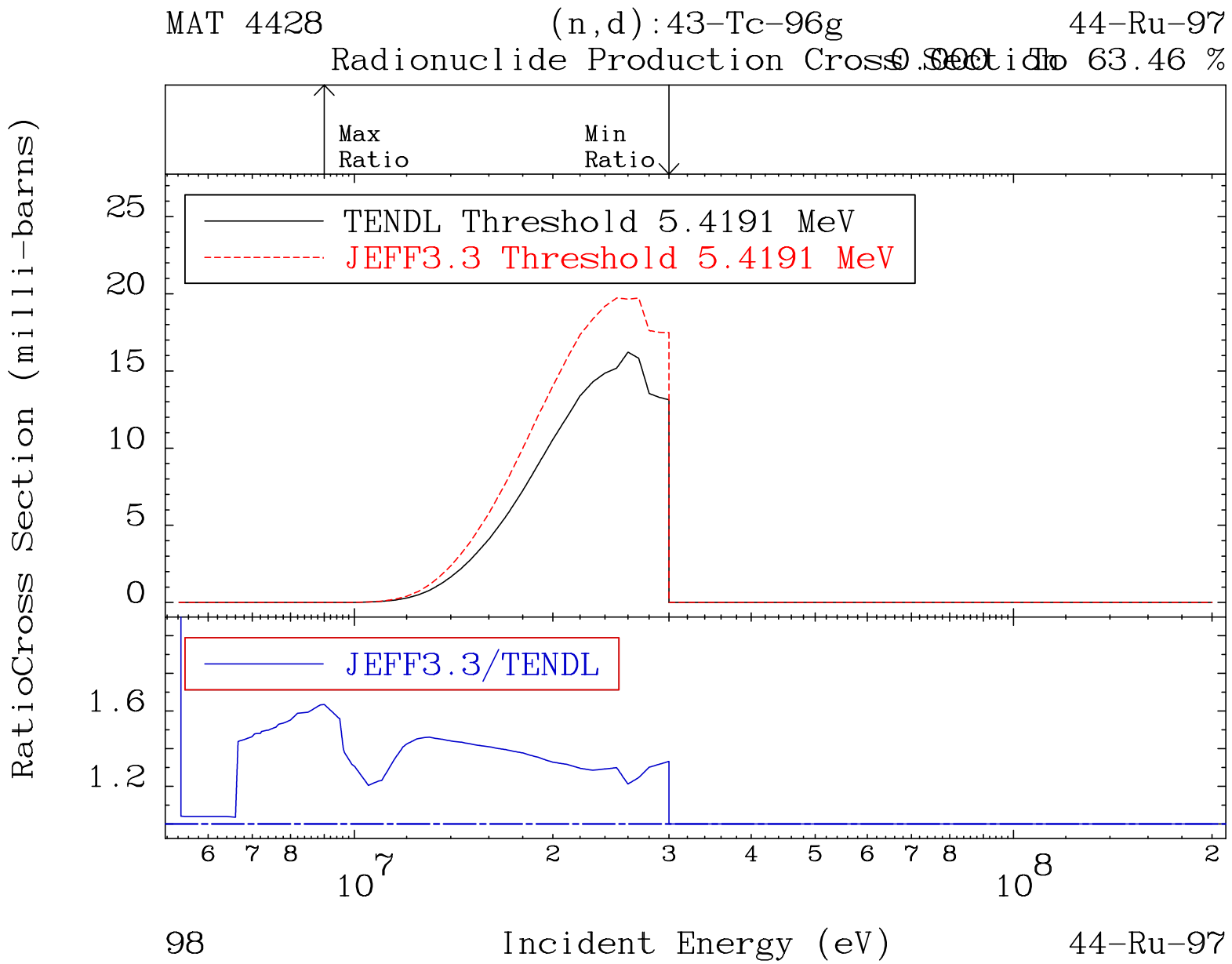

MAT 4428
(n,2n) p:43-Tc-95m1
44-Ru-97
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 15.660 MeV
JEFF3.3 Threshold 15.660 MeV
80
60
40
20
0
JEFF3.3/TENDL
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
93
Incident Energy (eV)
44-Ru-97

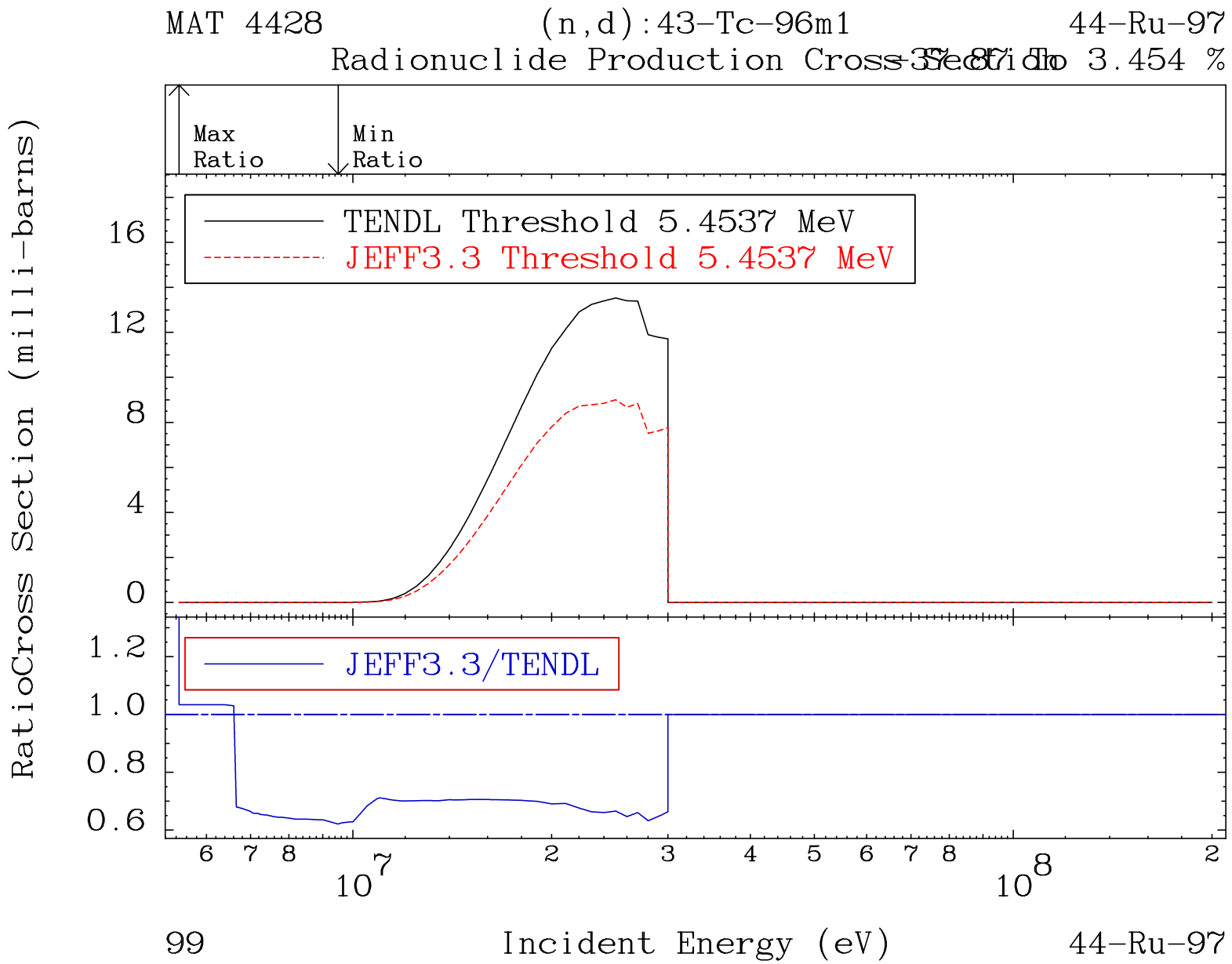

MAT 4428
(n,3n) p:43-Tc-94g
44-Ru-97
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 25.658 MeV
JEFF3.3 Threshold 25.658 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
10^0
10^2
10^4
40
60
80
100
120
140
160
180
200
94
Incident Energy (MeV)
44-Ru-97

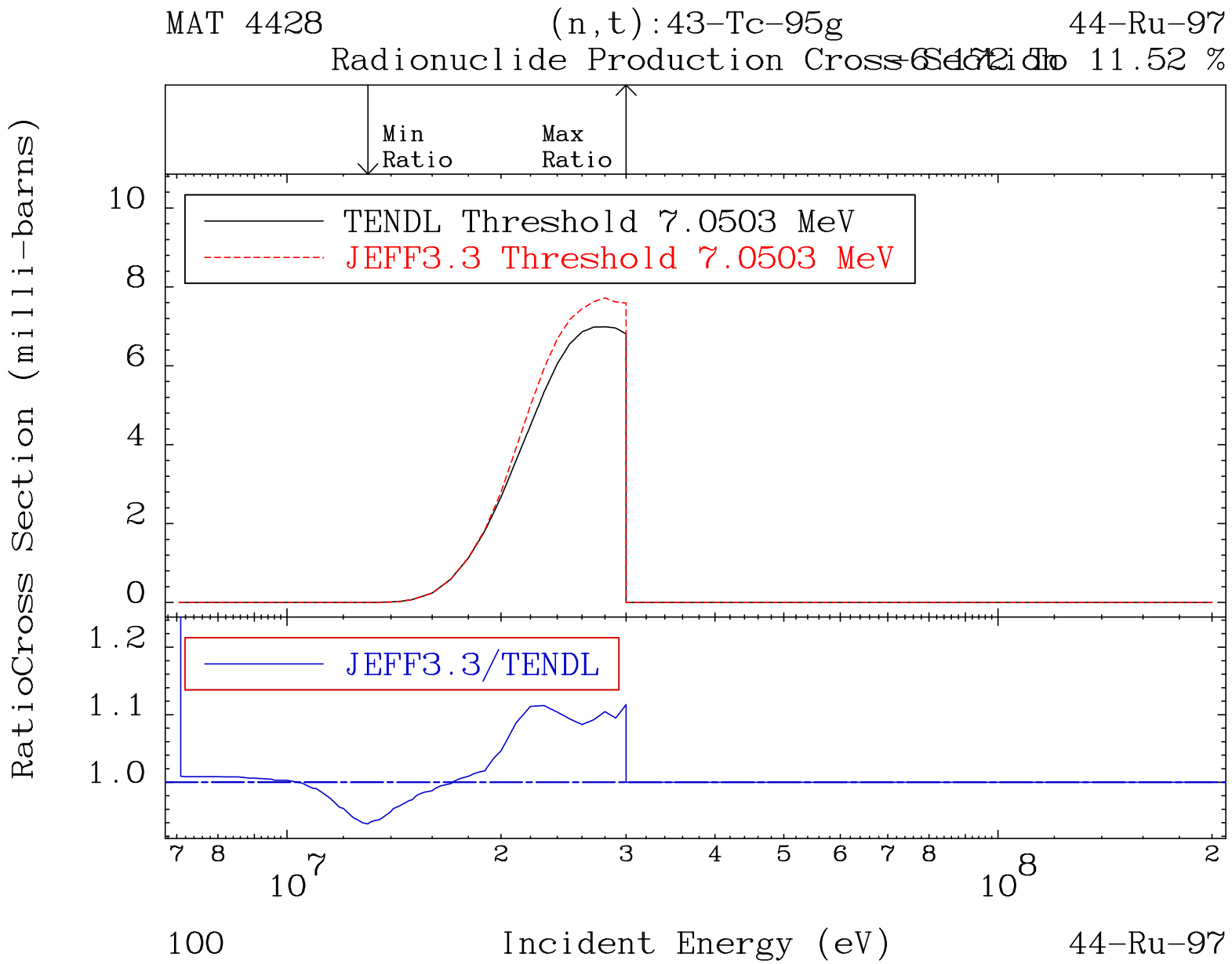

MAT 4428 (n,3n) p:43-Tc-94m1 44-Ru-97
Radionuclide Production Cross Section To 9999. %
Min
Ratio
TENDL Threshold 25.735 MeV
JEFF3.3 Threshold 25.735 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
95
Incident Energy (MeV)
44-Ru-97

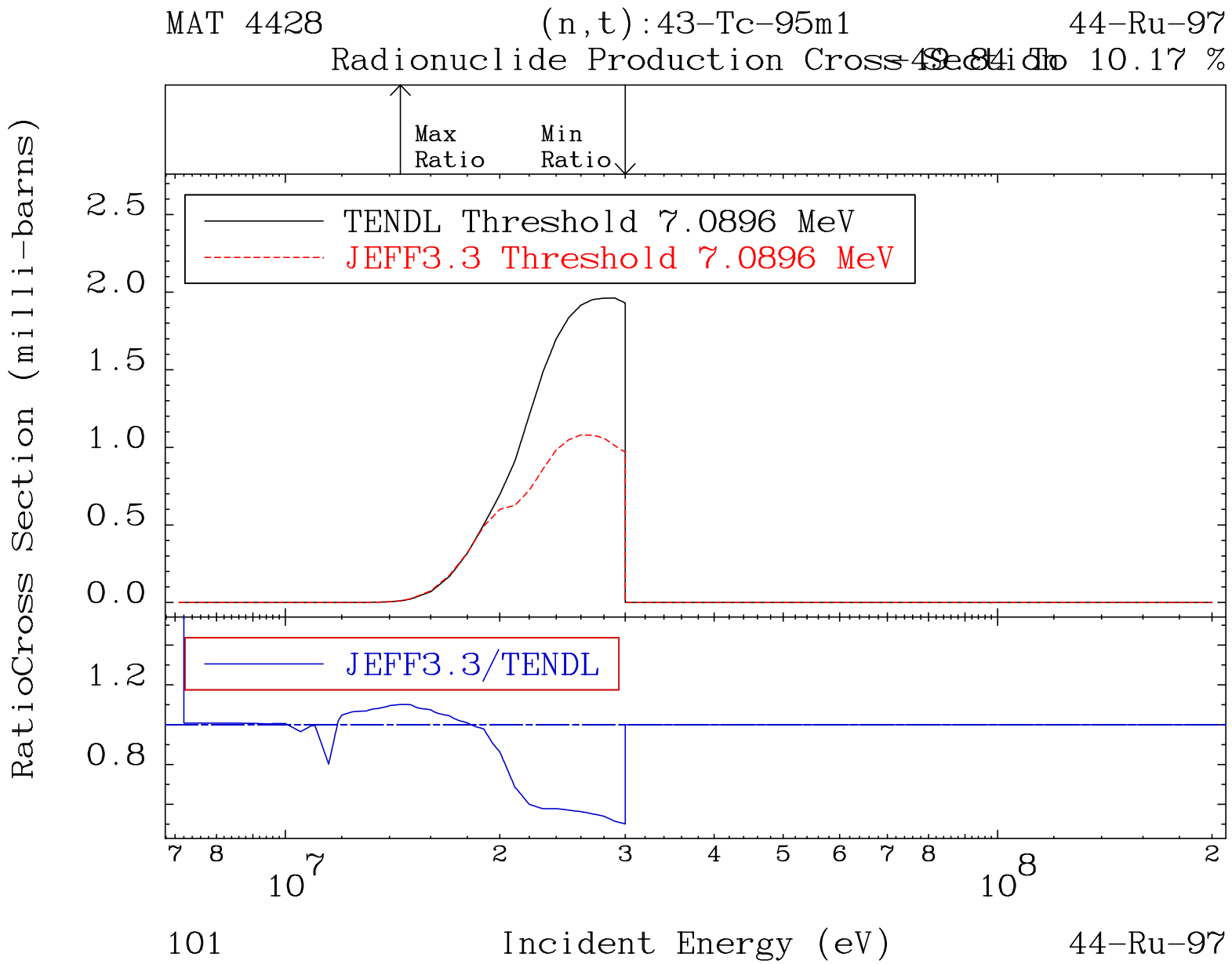

MAT 4428 (n,n') p α:41-Nb-92g 44-Ru-97
Radionuclide Production Cross Section Uncertainty 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.4788 MeV
JEFF3.3 Threshold 9.4771 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^4
10^2
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
44-Ru-97

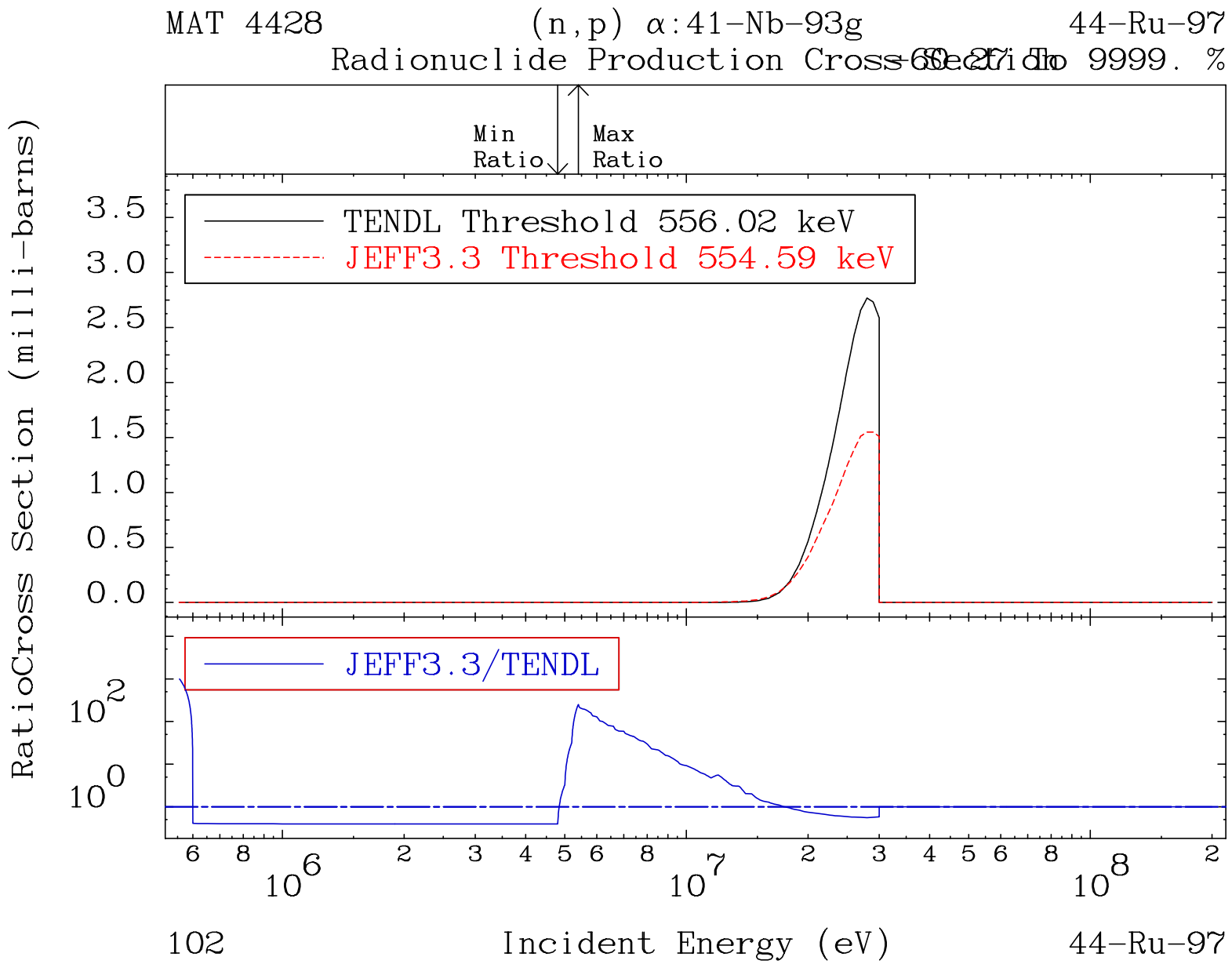

MAT 4428 (n,n') p α:41-Nb-92m1 44-Ru-97
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.6157 MeV
JEFF3.3 Threshold 14.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.5
1.0
0.5
0.0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
97
Incident Energy (eV)
44-Ru-97

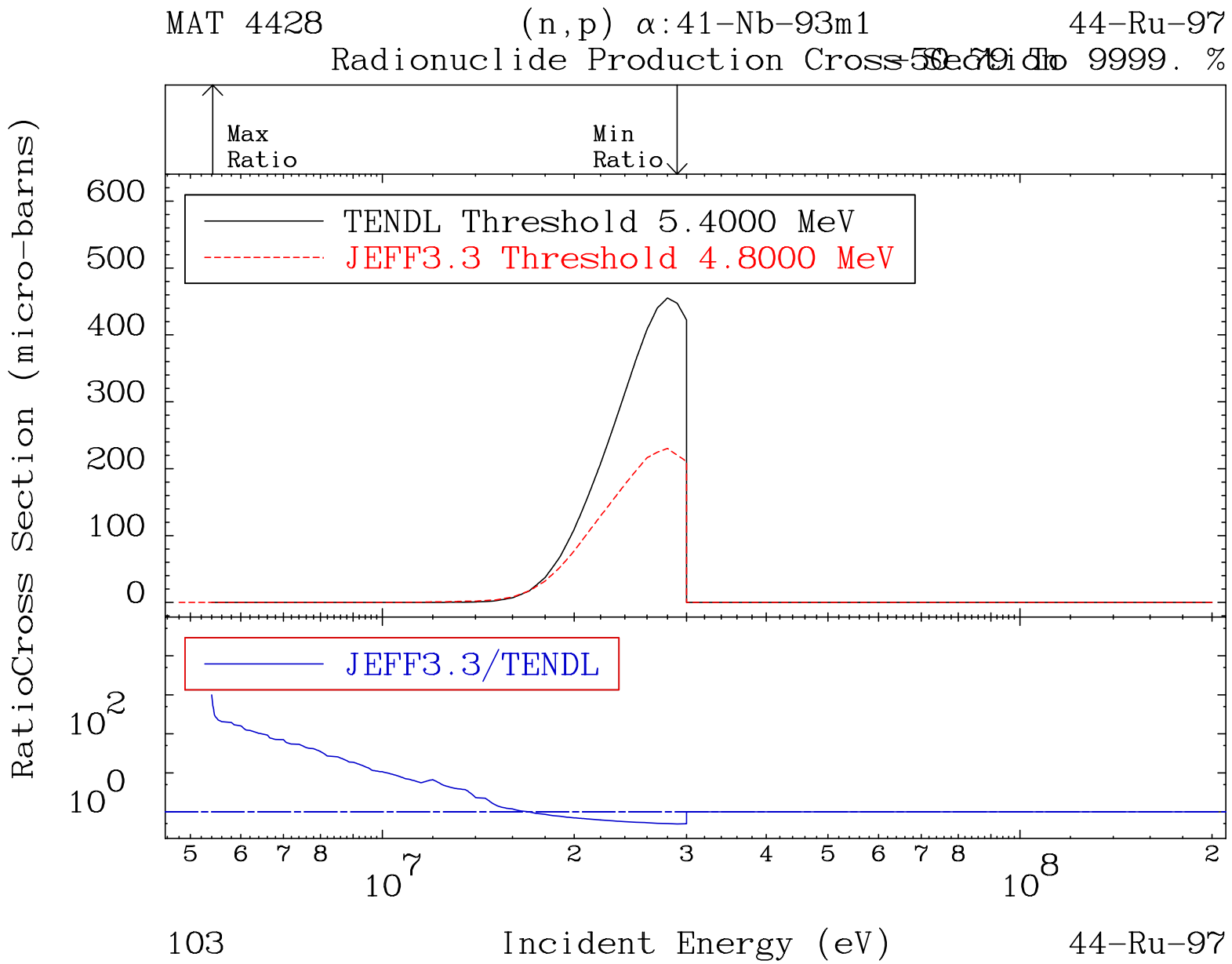

MAT 4428
(n,d):43-Tc-96g
44-Ru-97
Radionuclide Production Cross Section
0.000 To 63.46 %
Max Ratio
Min Ratio
TENDL Threshold 5.4191 MeV
JEFF3.3 Threshold 5.4191 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.6
1.2
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
98
Incident Energy (eV)
44-Ru-97

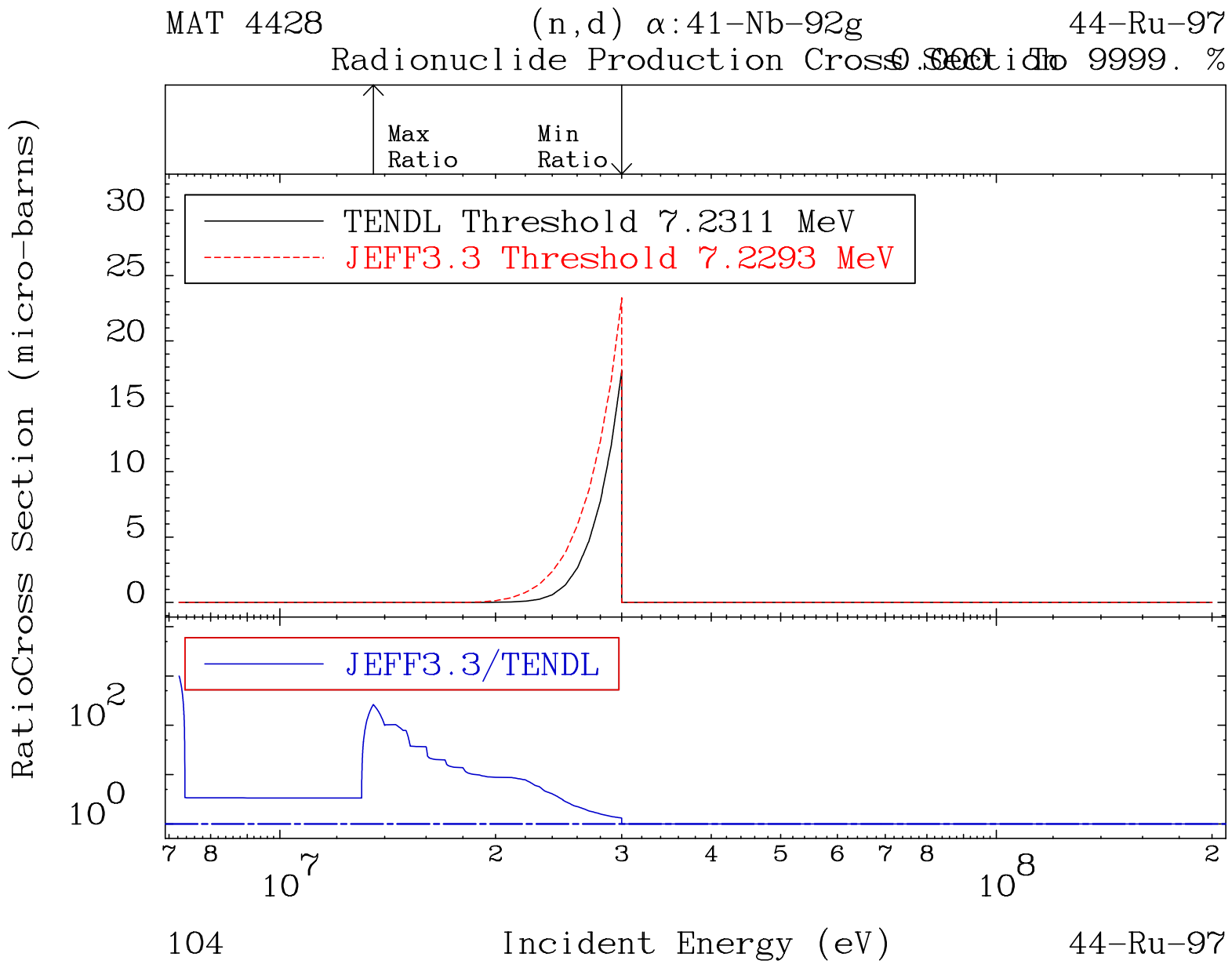

MAT 4428
(n,d):43-Tc-96m1
44-Ru-97
Radionuclide Production Cross-Section To 3.454 %
Max Ratio
Min Ratio
TENDL Threshold 5.4537 MeV
JEFF3.3 Threshold 5.4537 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
1.0
0.8
0.6
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
99
Incident Energy (eV)
44-Ru-97

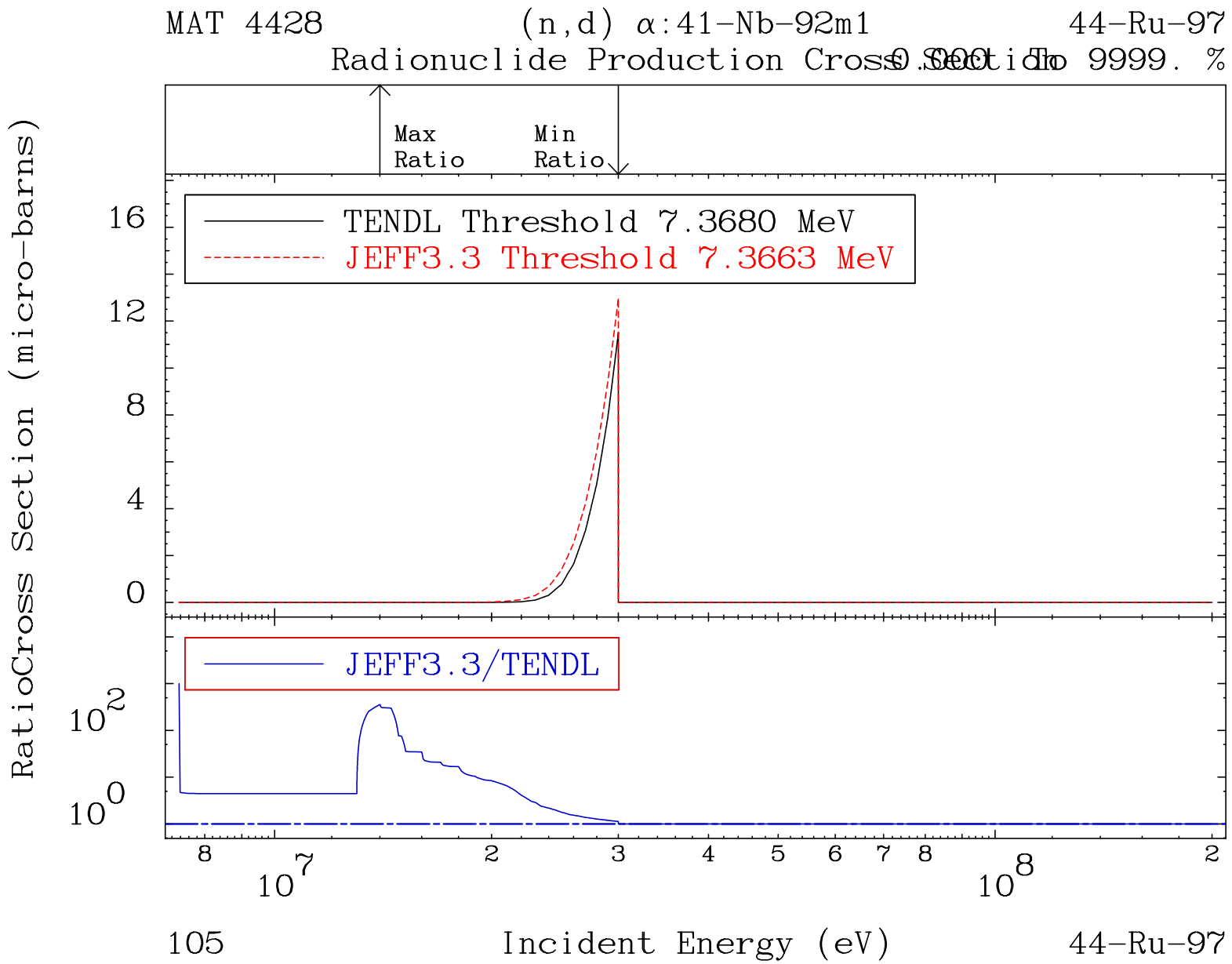

MAT 4428
(n,t):43-Tc-95g
44-Ru-97
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 7.0503 MeV
JEFF3.3 Threshold 7.0503 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
100
44-Ru-97


MAT 4428
(n,t):43-Tc-95m1
44-Ru-97
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 7.0896 MeV
JEFF3.3 Threshold 7.0896 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
101
44-Ru-97


MAT 4428
(n,p) α:41-Nb-93g
44-Ru-97
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 556.02 keV
JEFF3.3 Threshold 554.59 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^2
10^0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
102
Incident Energy (eV)
44-Ru-97


MAT 4428
(n,p) α:41-Nb-93m1
44-Ru-97
Radionuclide Production Cross-Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.4000 MeV
JEFF3.3 Threshold 4.8000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
10^2
10^0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
103
Incident Energy (eV)
44-Ru-97


MAT 4428
(n,d) α:41-Nb-92g
44-Ru-97
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.2311 MeV
JEFF3.3 Threshold 7.2293 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
104
44-Ru-97


MAT 4428
(n,d) α:41-Nb-92m1
44-Ru-97
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.3680 MeV
JEFF3.3 Threshold 7.3663 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
10^2
10^0
8
2
3
4
5
6
7
8
2
10^7
10^8
105
Incident Energy (eV)
44-Ru-97