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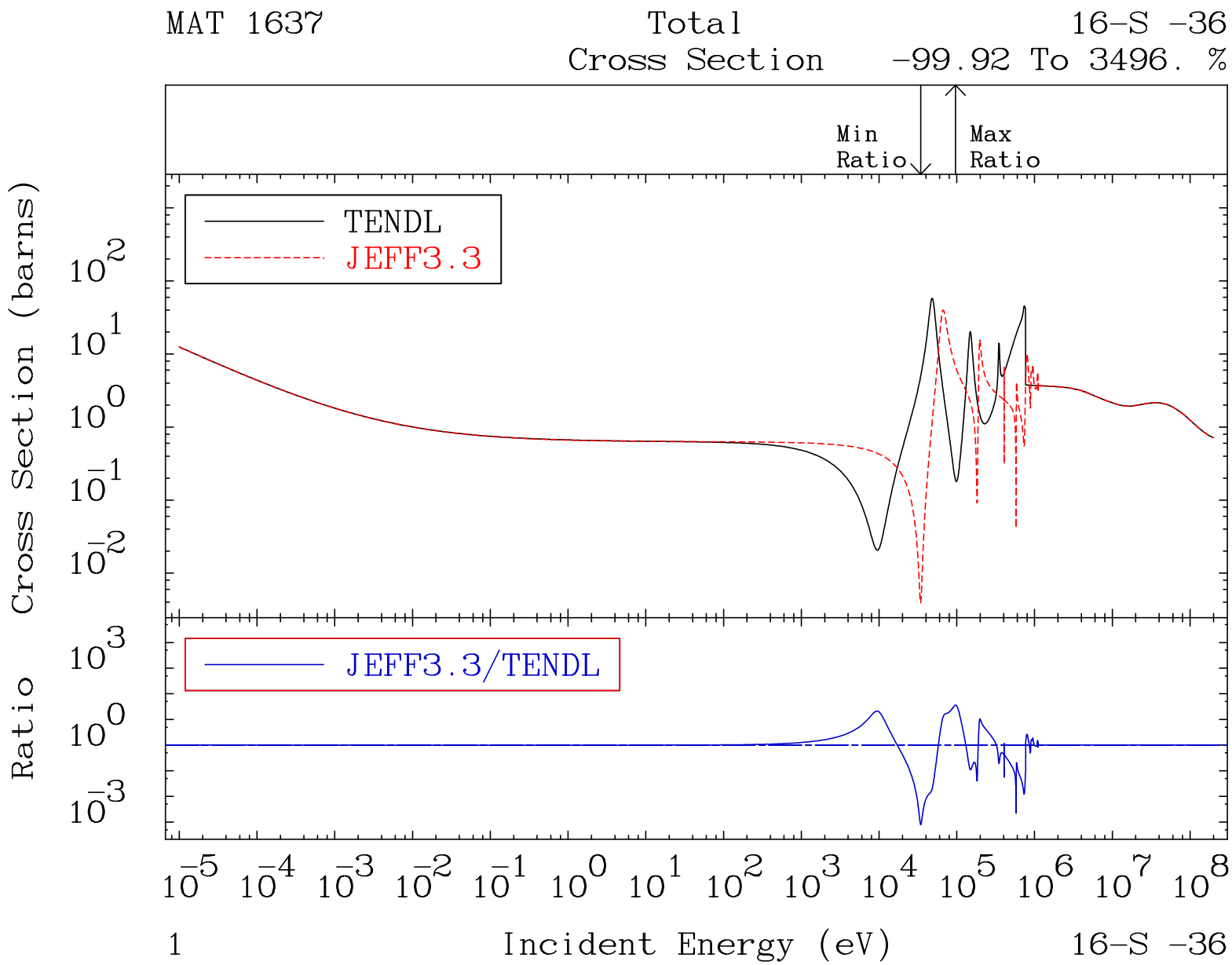
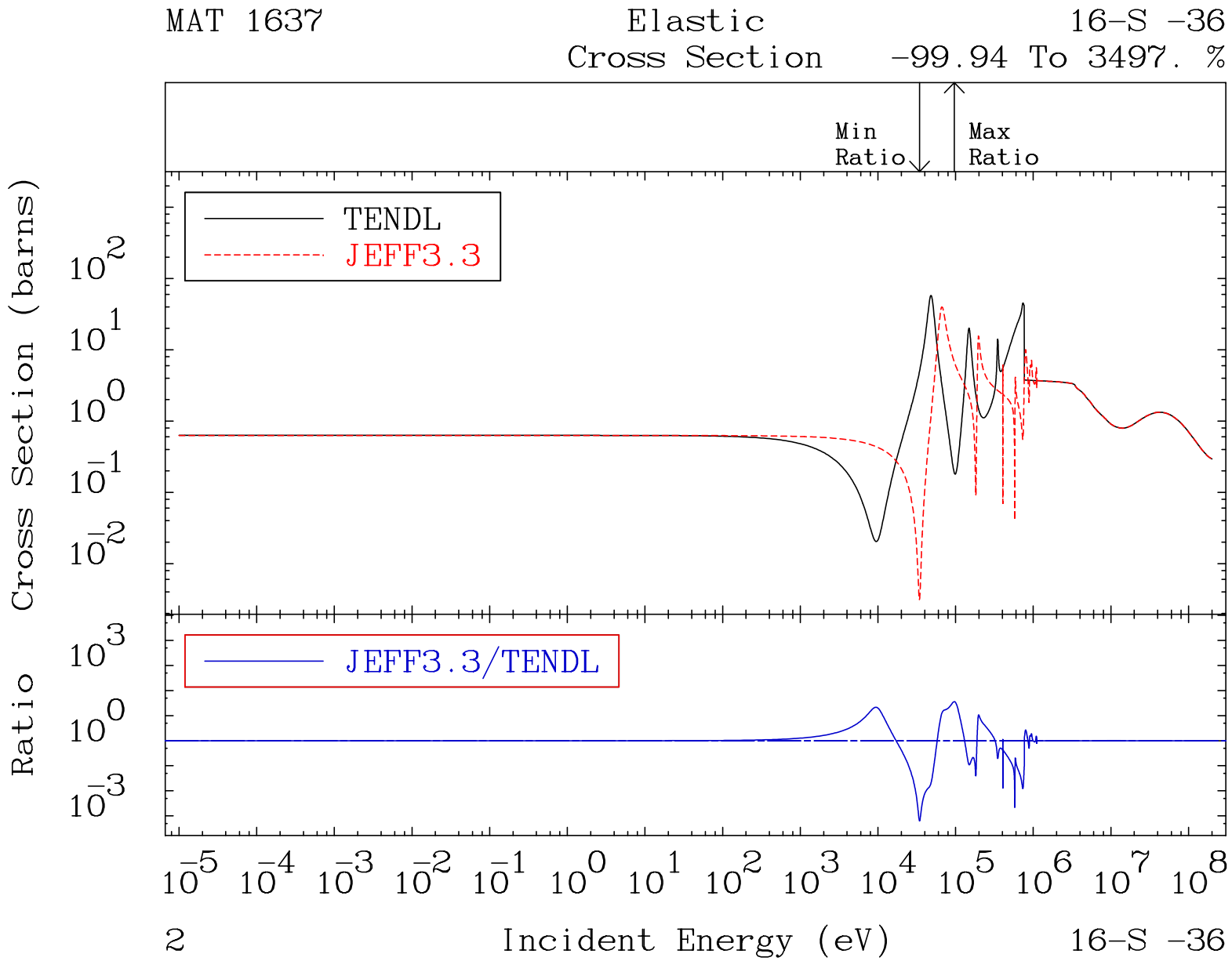
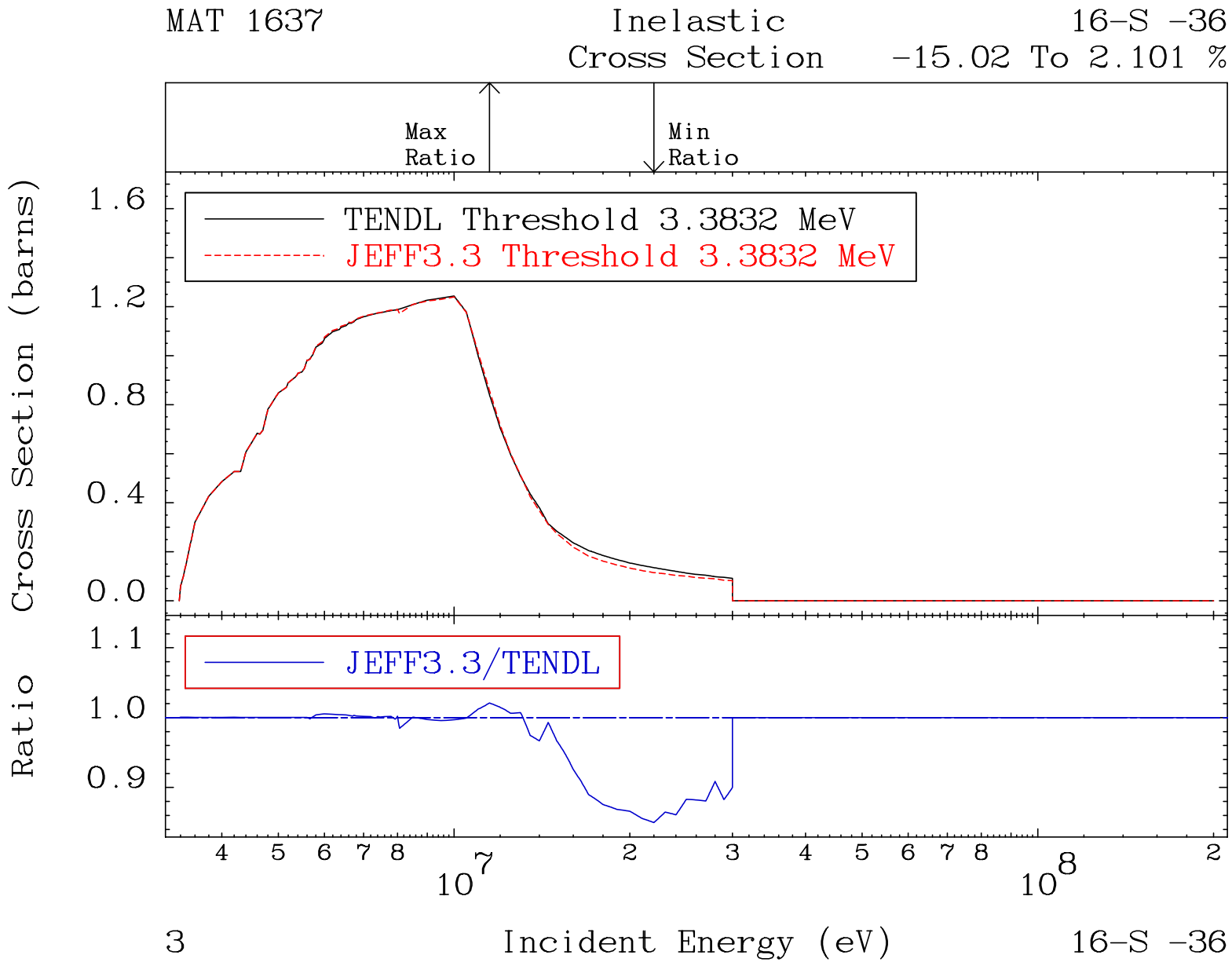
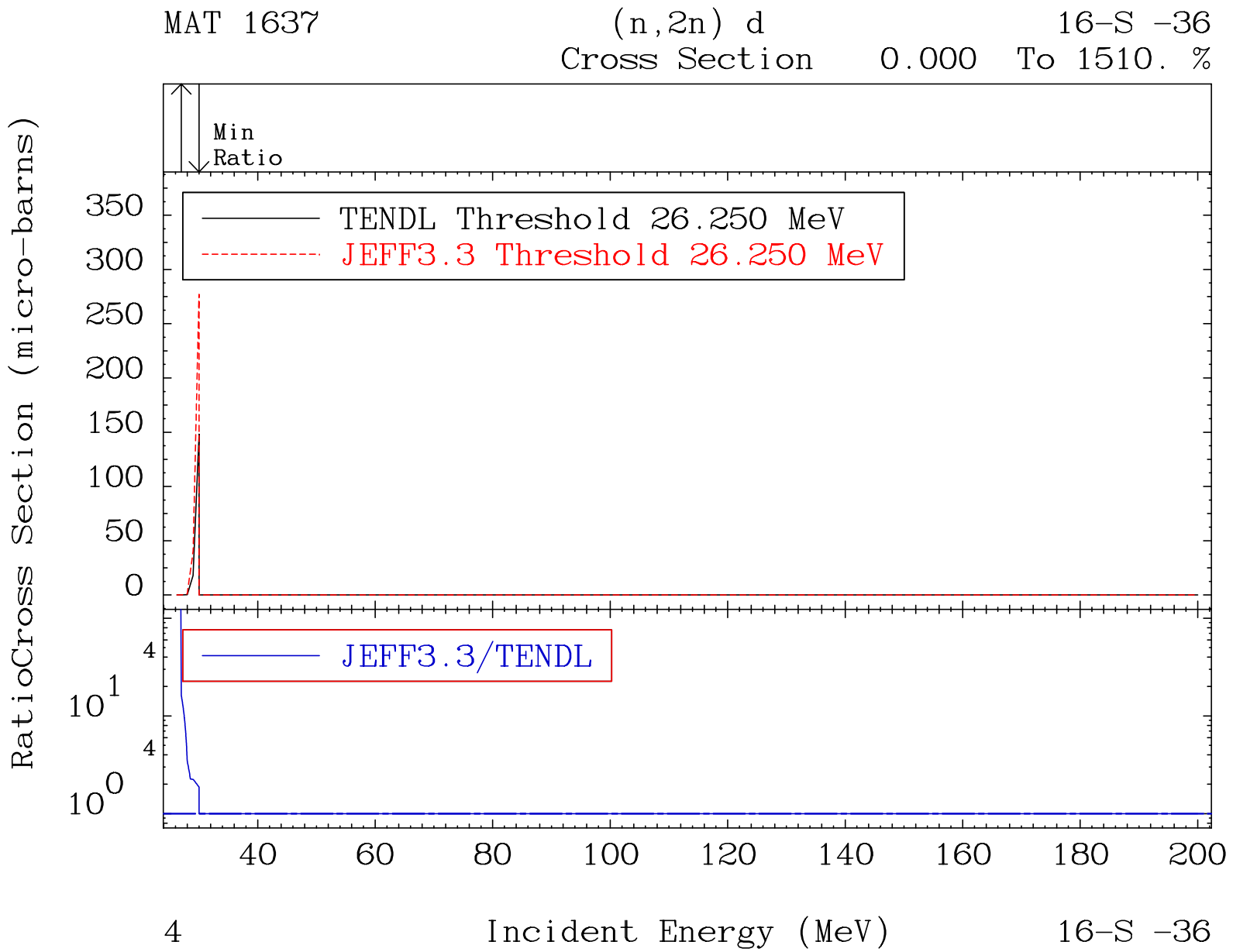
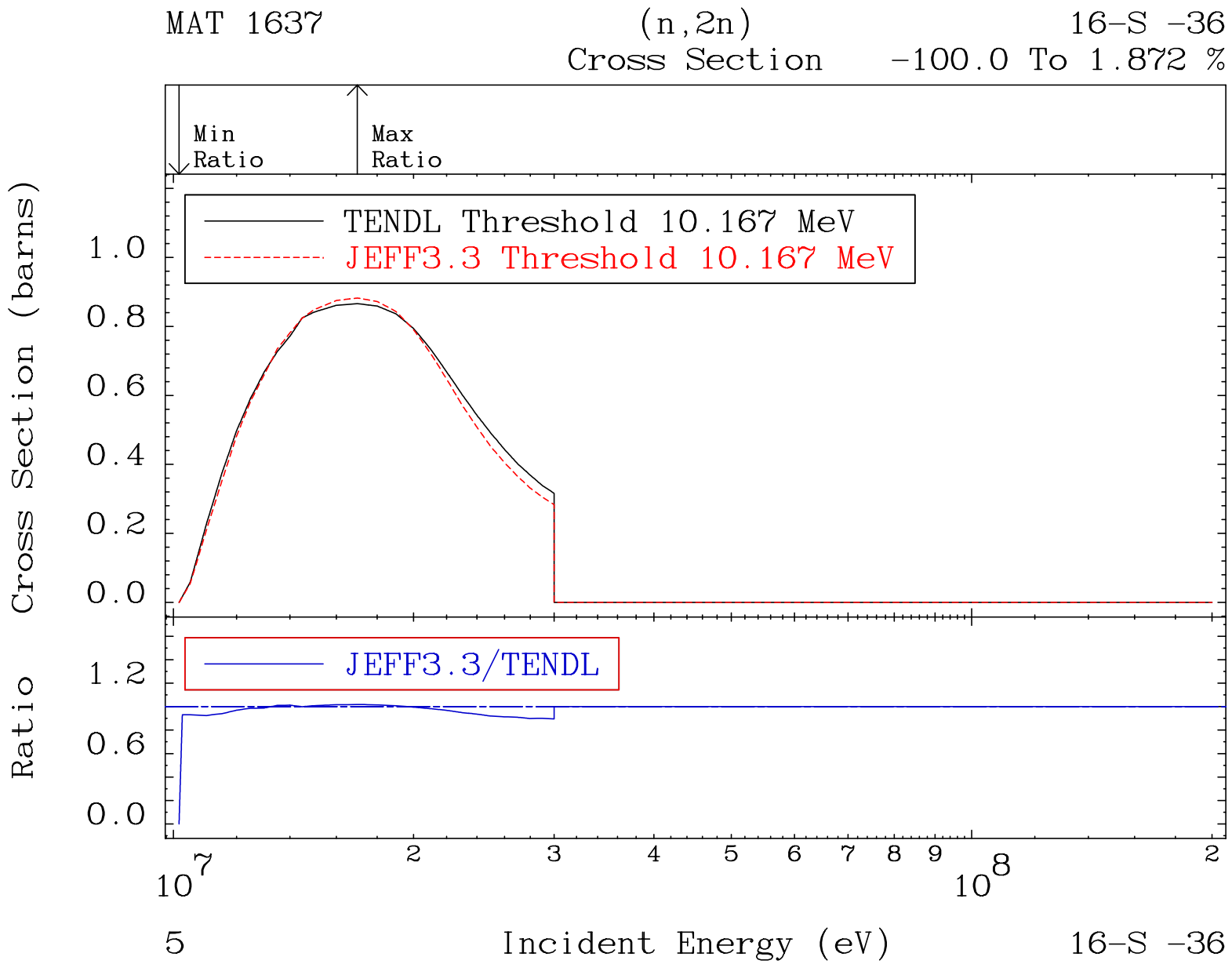
Press Mouse Button to Start

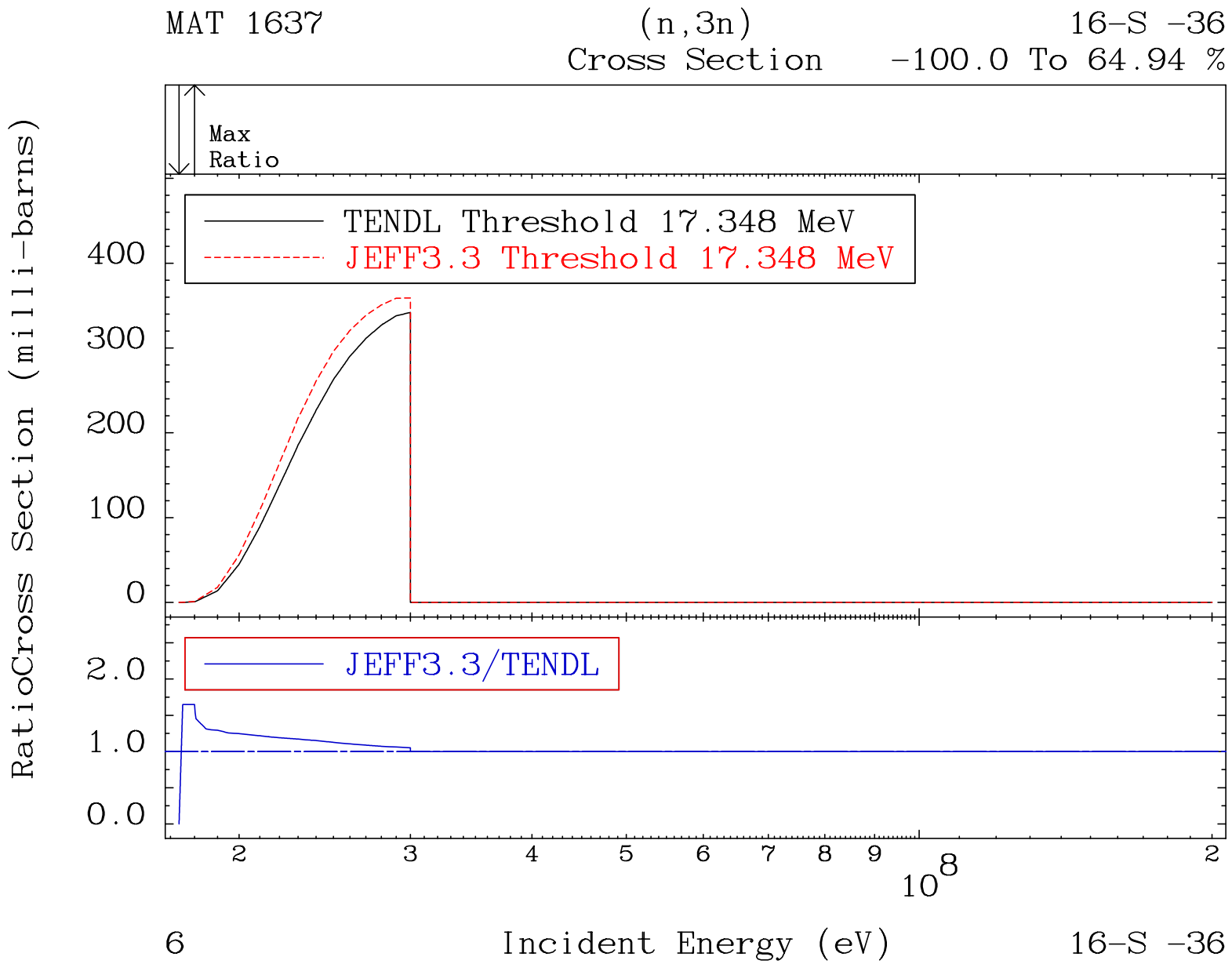

MAT 1637
Total
Cross Section
16-S -36
-99.92 To 3496. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
16-S -36

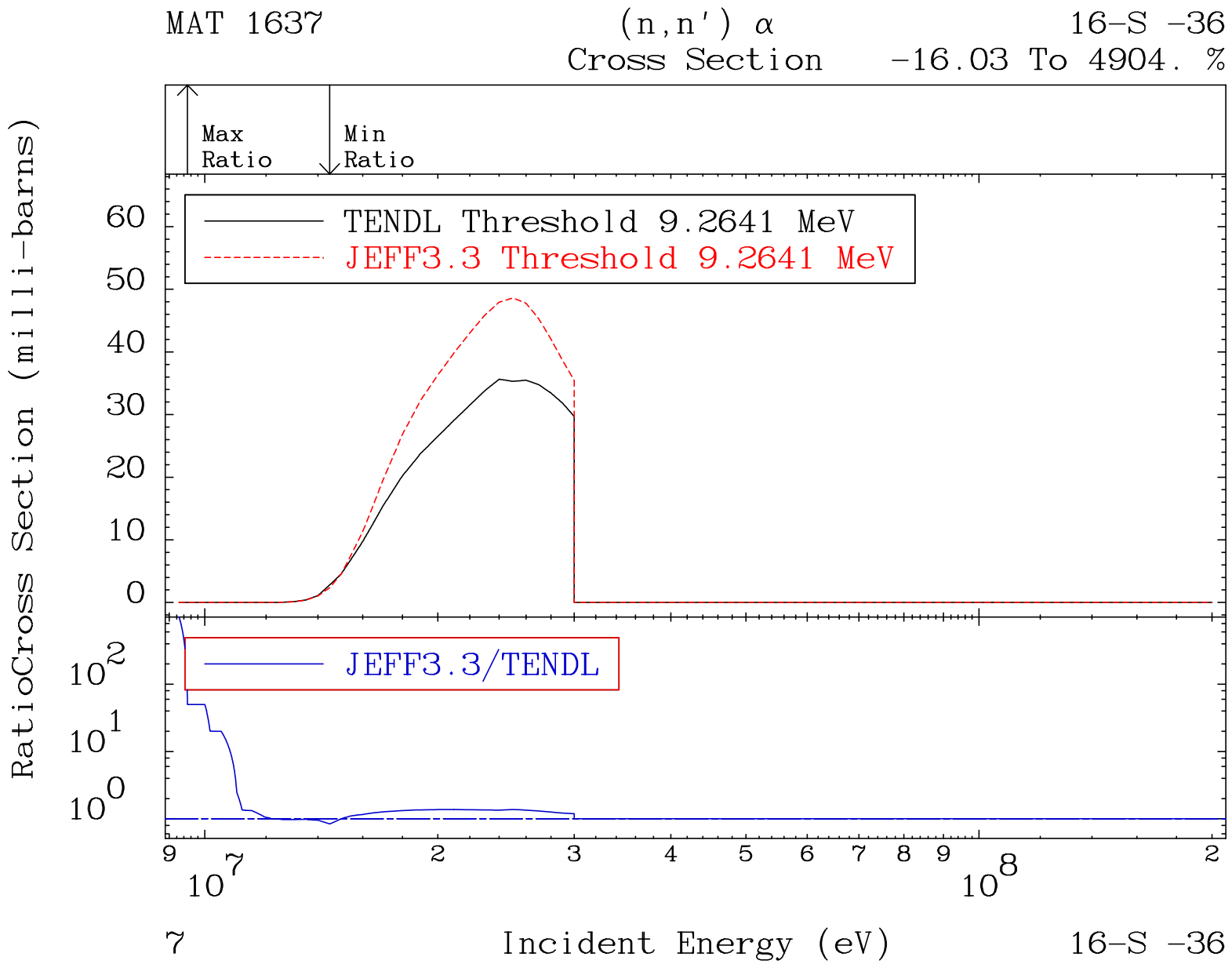

MAT 1637
Elastic
Cross Section
16-S -36
-99.94 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
16-S -36

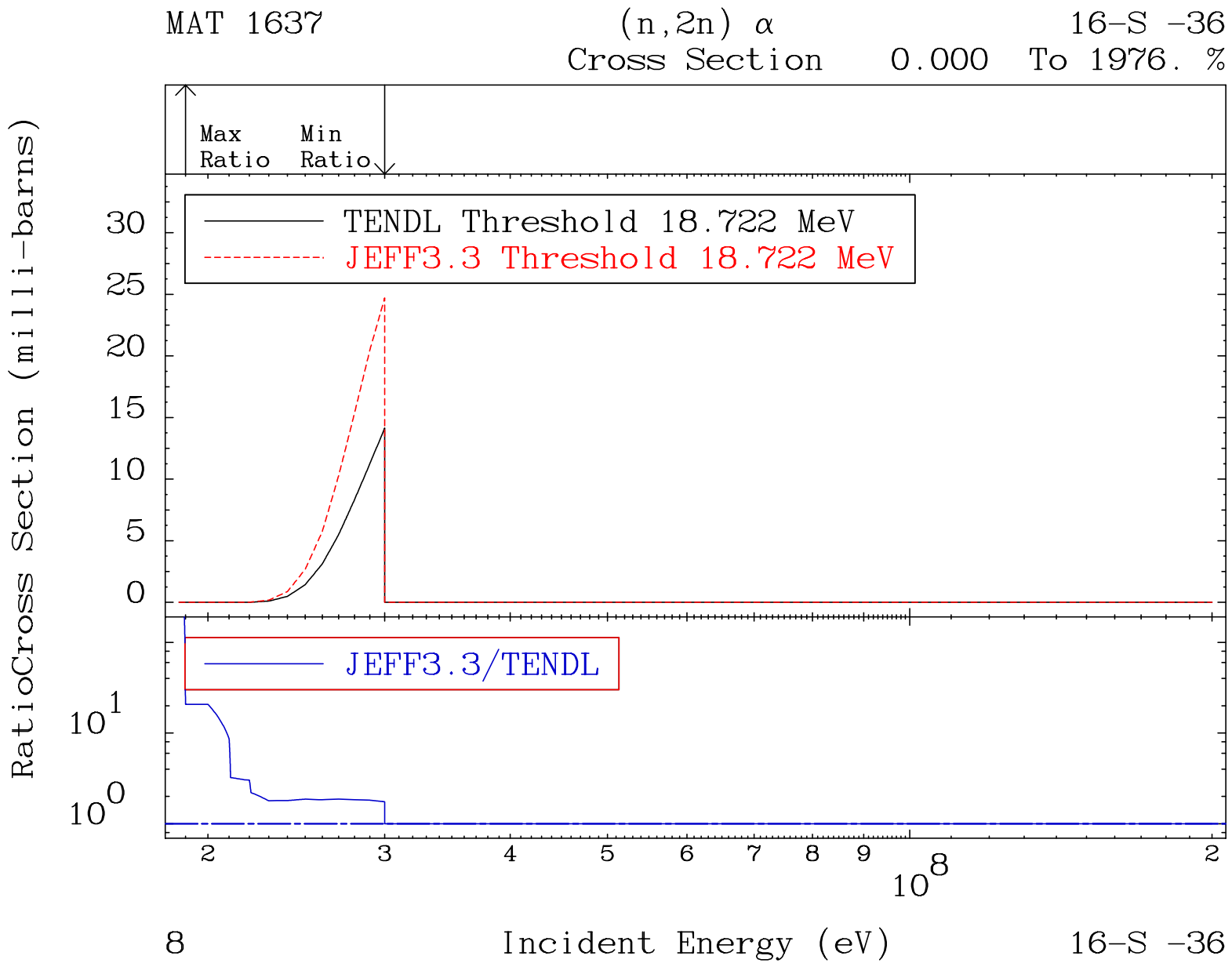

MAT 1637
Inelastic
Cross Section
16-S -36
-15.02 To 2.101 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.3832 MeV
JEFF3.3 Threshold 3.3832 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.1
1.0
0.9
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
16-S -36

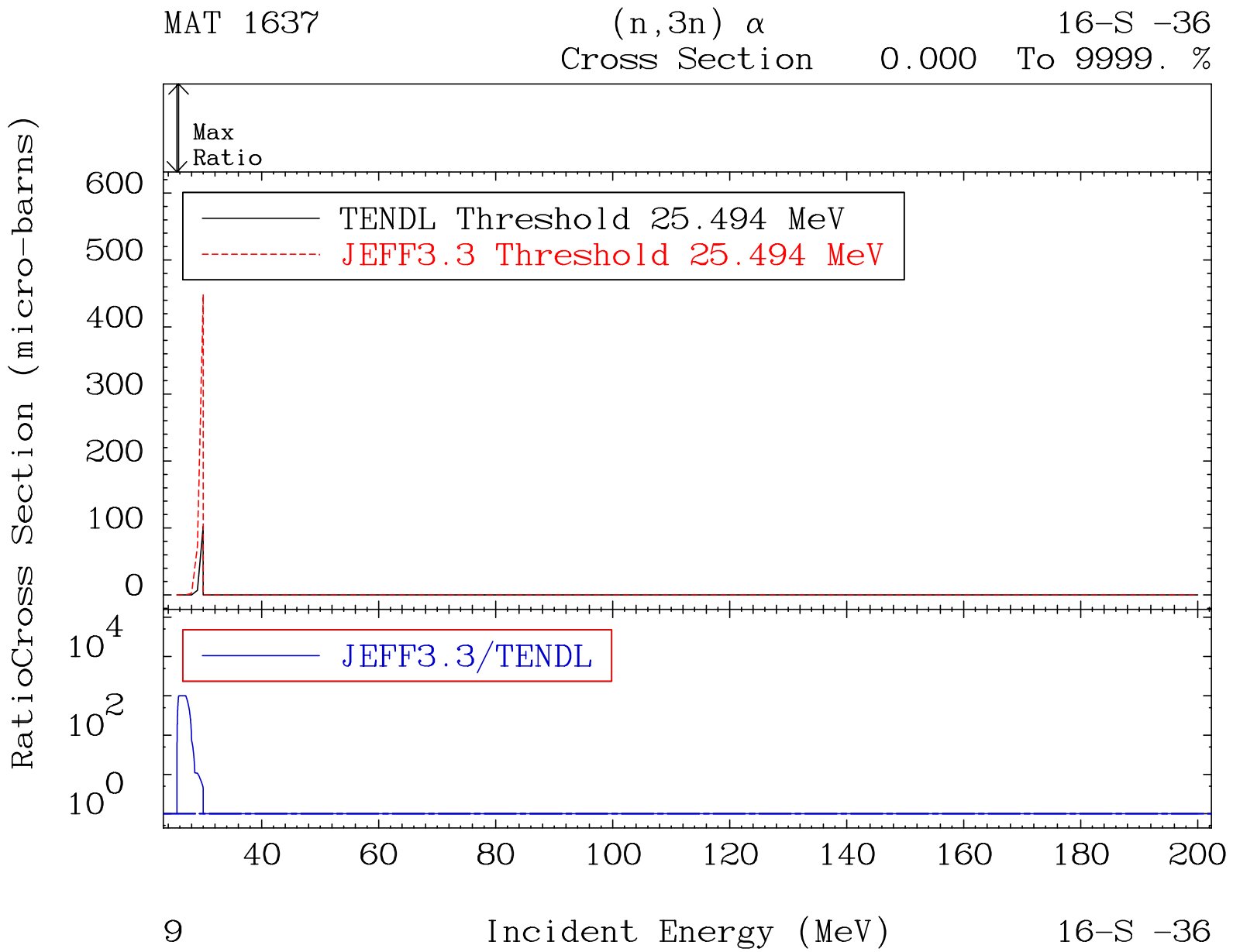

MAT 1637
(n,2n) d
16-S -36
Cross Section 0.000 To 1510. %
Min
Ratio
TENDL Threshold 26.250 MeV
JEFF3.3 Threshold 26.250 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
350
300
250
200
150
100
50
0
10^1
10^0
4
4
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
16-S -36

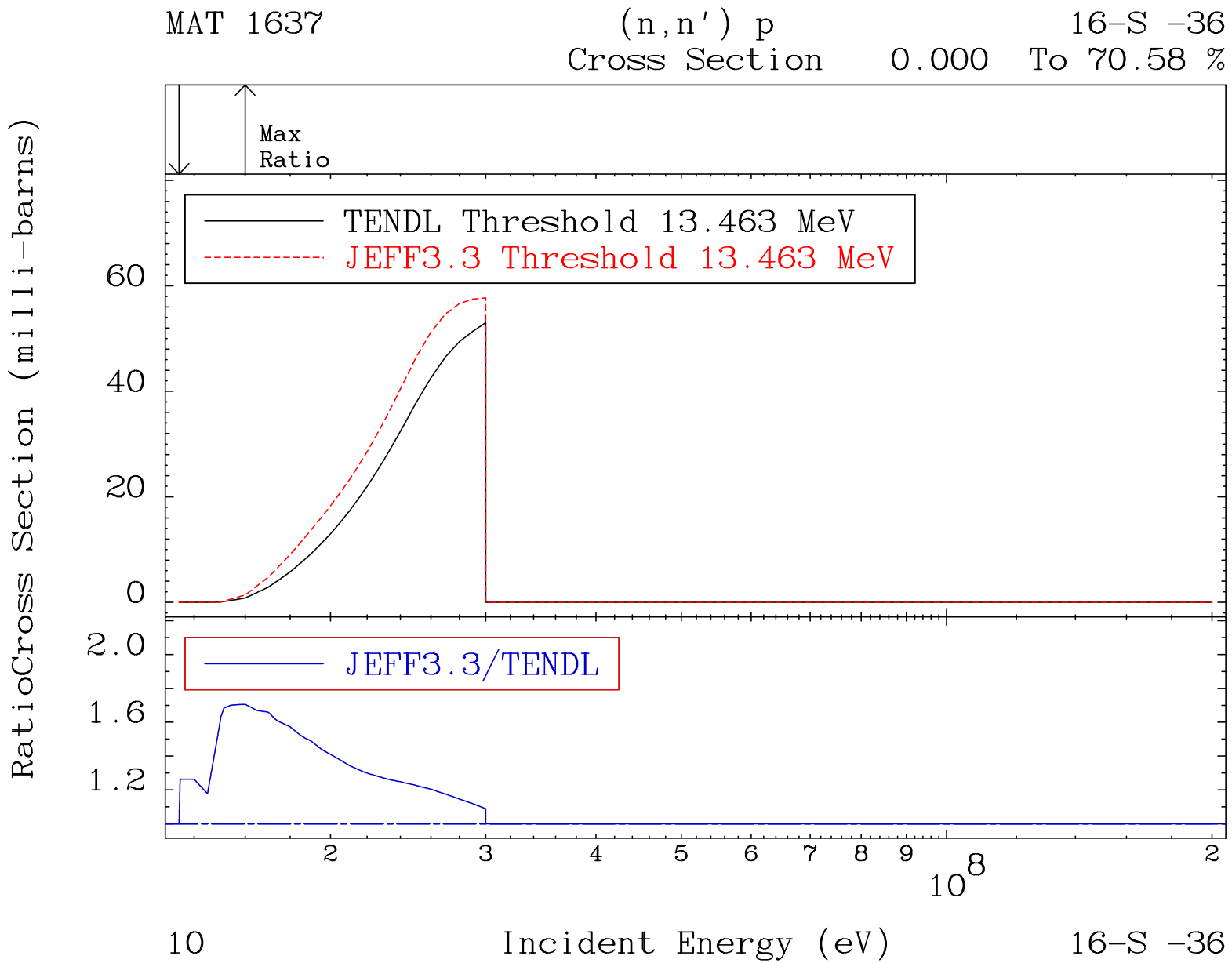

MAT 1637
(n,2n)
Cross Section
16-S -36
-100.0 To 1.872 %
Min Ratio
Max Ratio
TENDL Threshold 10.167 MeV
JEFF3.3 Threshold 10.167 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
16-S -36

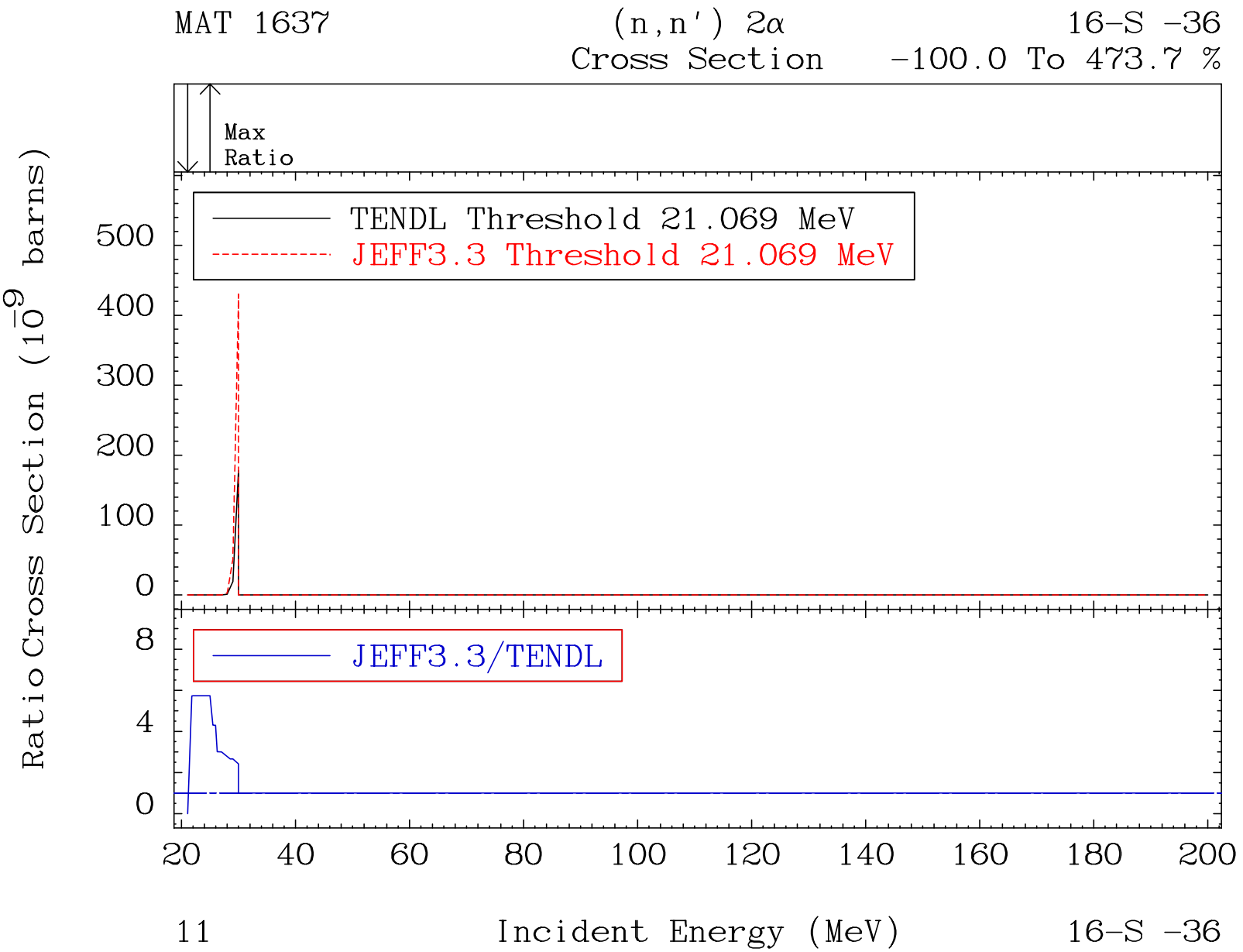

MAT 1637
(n,3n)
Cross Section
16-S -36
-100.0 To 64.94 %
Max
Ratio
TENDL Threshold 17.348 MeV
JEFF3.3 Threshold 17.348 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
16-S -36

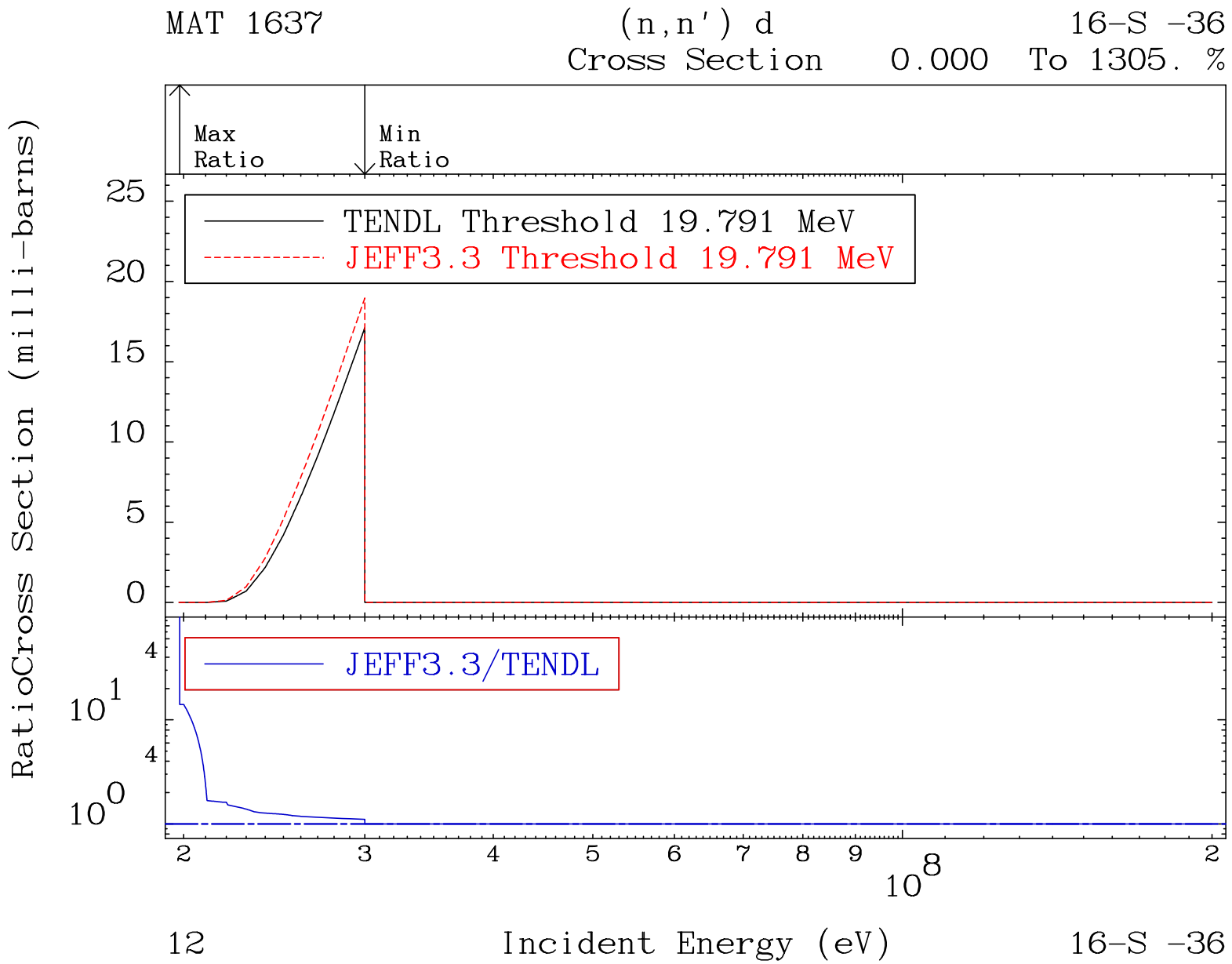

MAT 1637
(n,n') α
16-S -36
Cross Section
-16.03 To 4904. %
Max Ratio
Min Ratio
TENDL Threshold 9.2641 MeV
JEFF3.3 Threshold 9.2641 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10^2
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
16-S -36

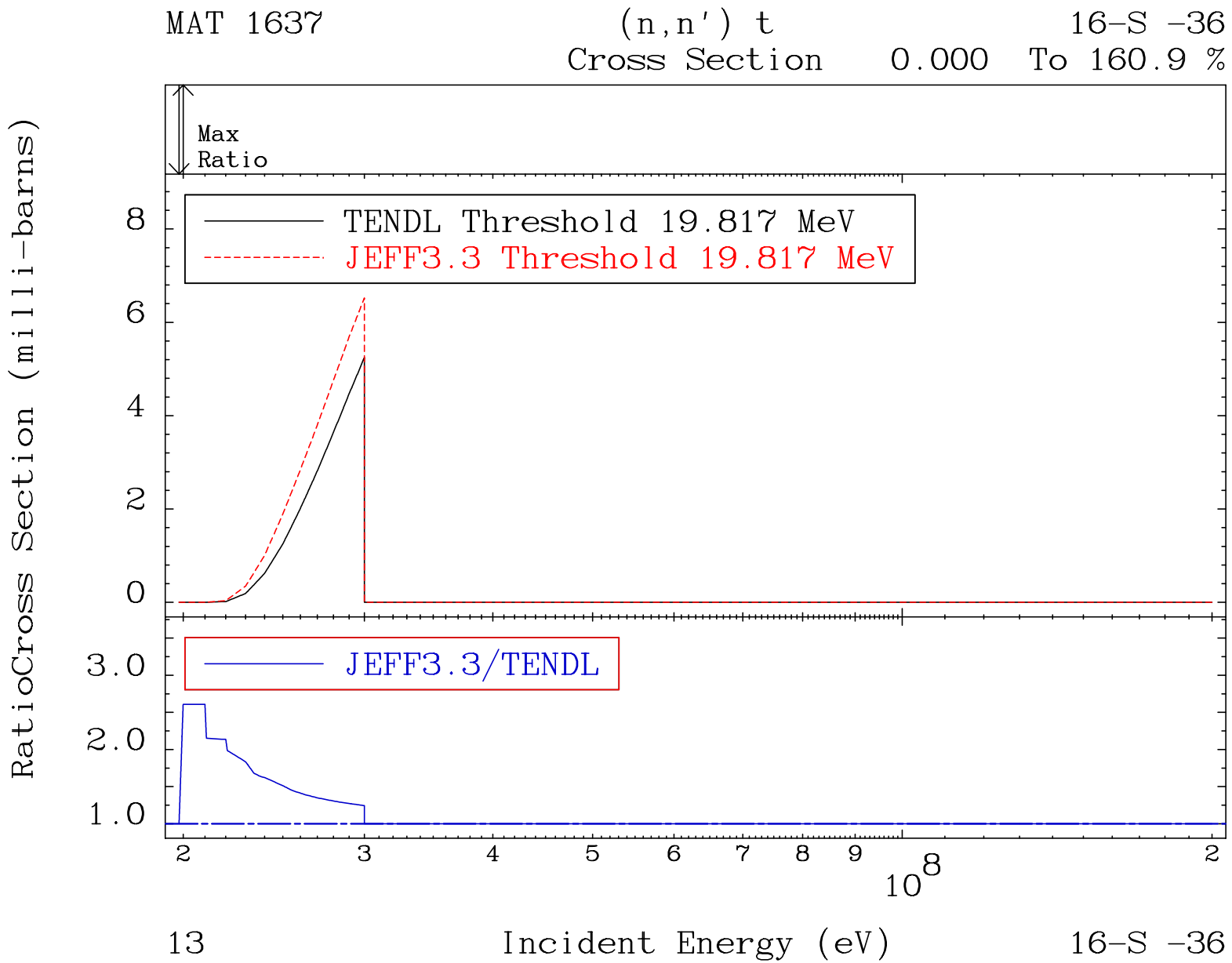

MAT 1637
(n,2n) α
16-S -36
Cross Section 0.000 To 1976. %
Max Ratio
Min Ratio
TENDL Threshold 18.722 MeV
JEFF3.3 Threshold 18.722 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
16-S -36

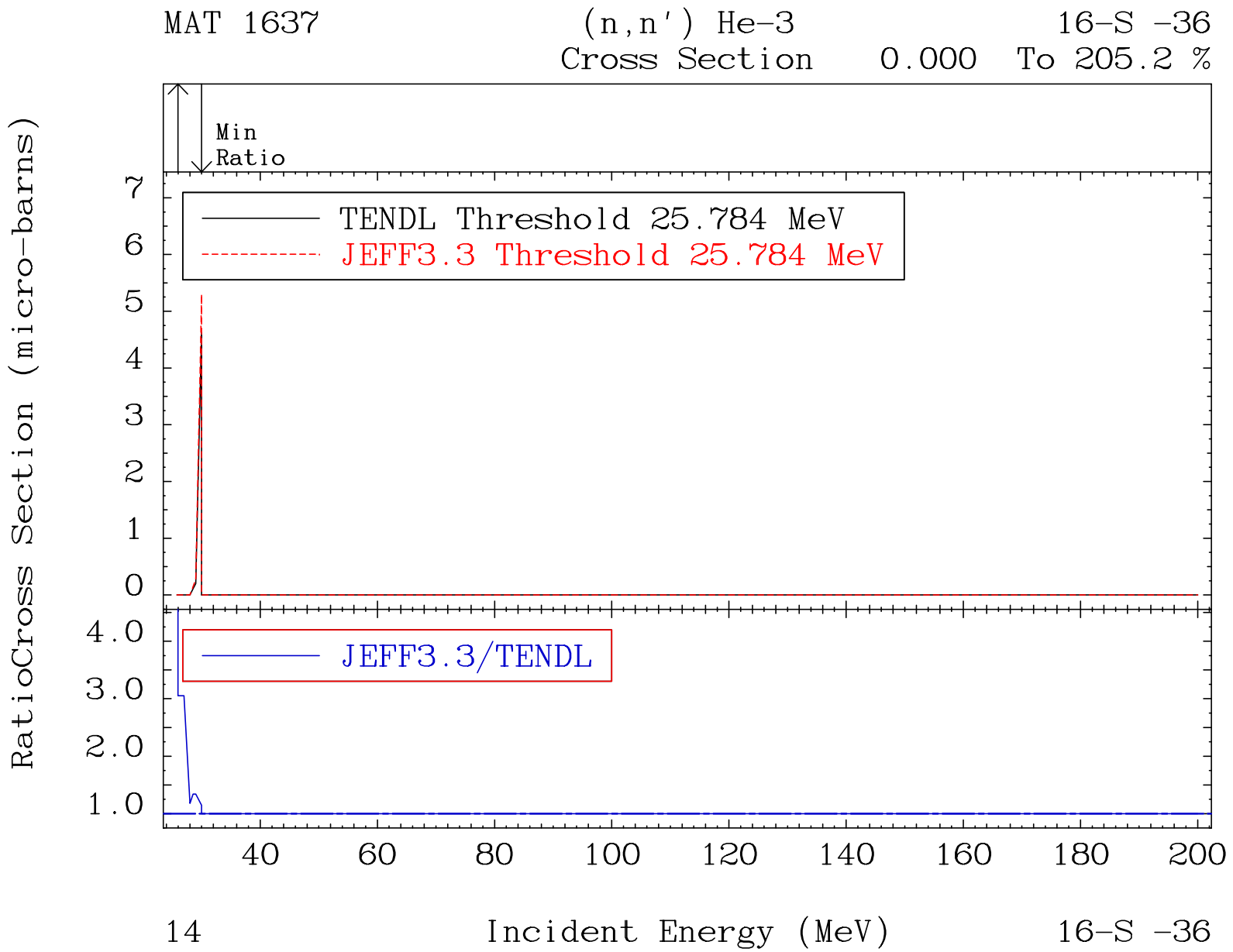

MAT 1637
(n,3n) α
16-S -36
Cross Section 0.000 To 9999. %
Max
Ratio
600
500
400
300
200
100
0
TENDL Threshold 25.494 MeV
JEFF3.3 Threshold 25.494 MeV
10^4
10^2
10^0
JEFF3.3/TENDL
RatioCross Section (micro-barns)
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
16-S -36

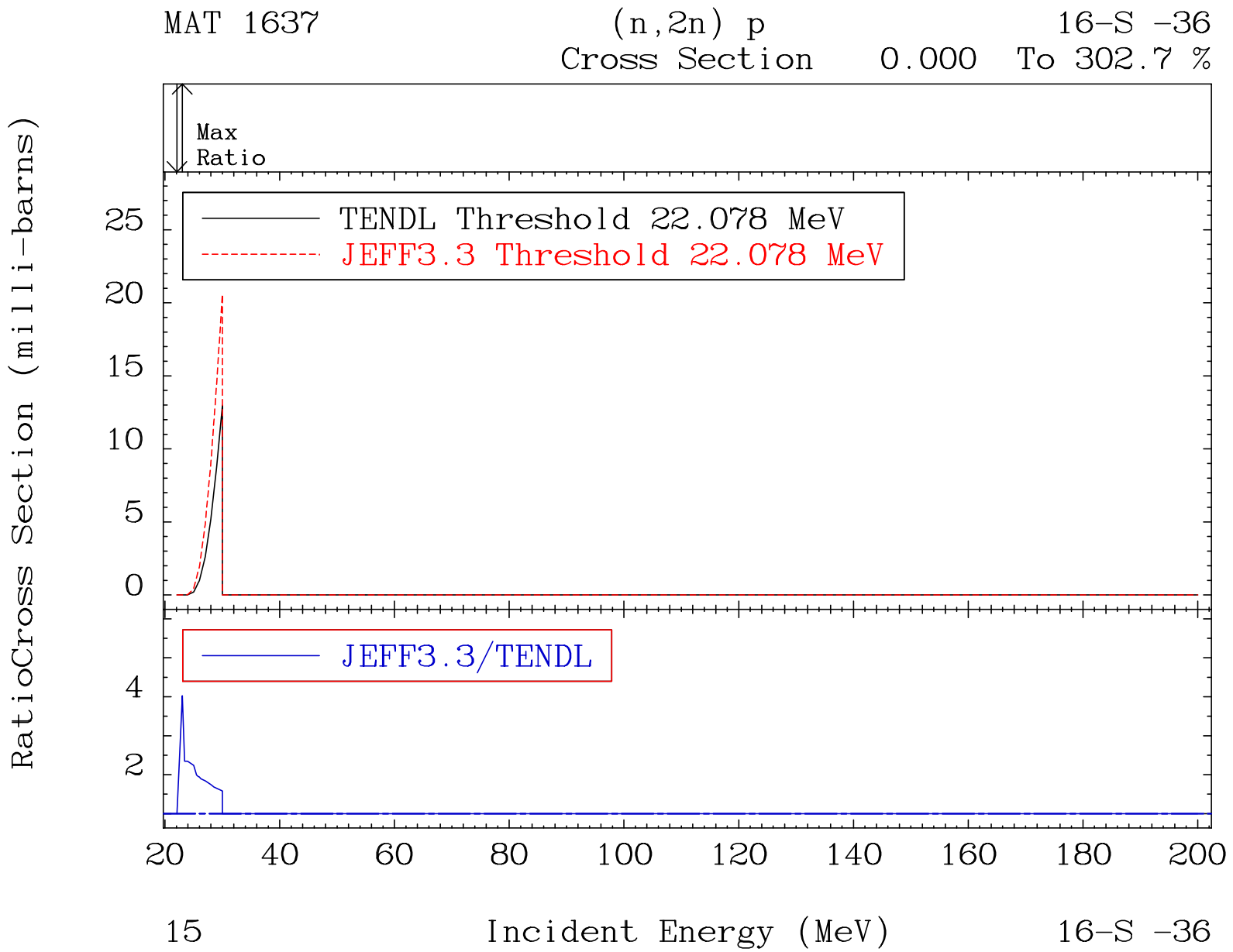

MAT 1637
(n,n') p
Cross Section
16-S -36
0.000 To 70.58 %
Max
Ratio
TENDL Threshold 13.463 MeV
JEFF3.3 Threshold 13.463 MeV
60
40
20
0
JEFF3.3/TENDL
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
10
Incident Energy (eV)
16-S -36

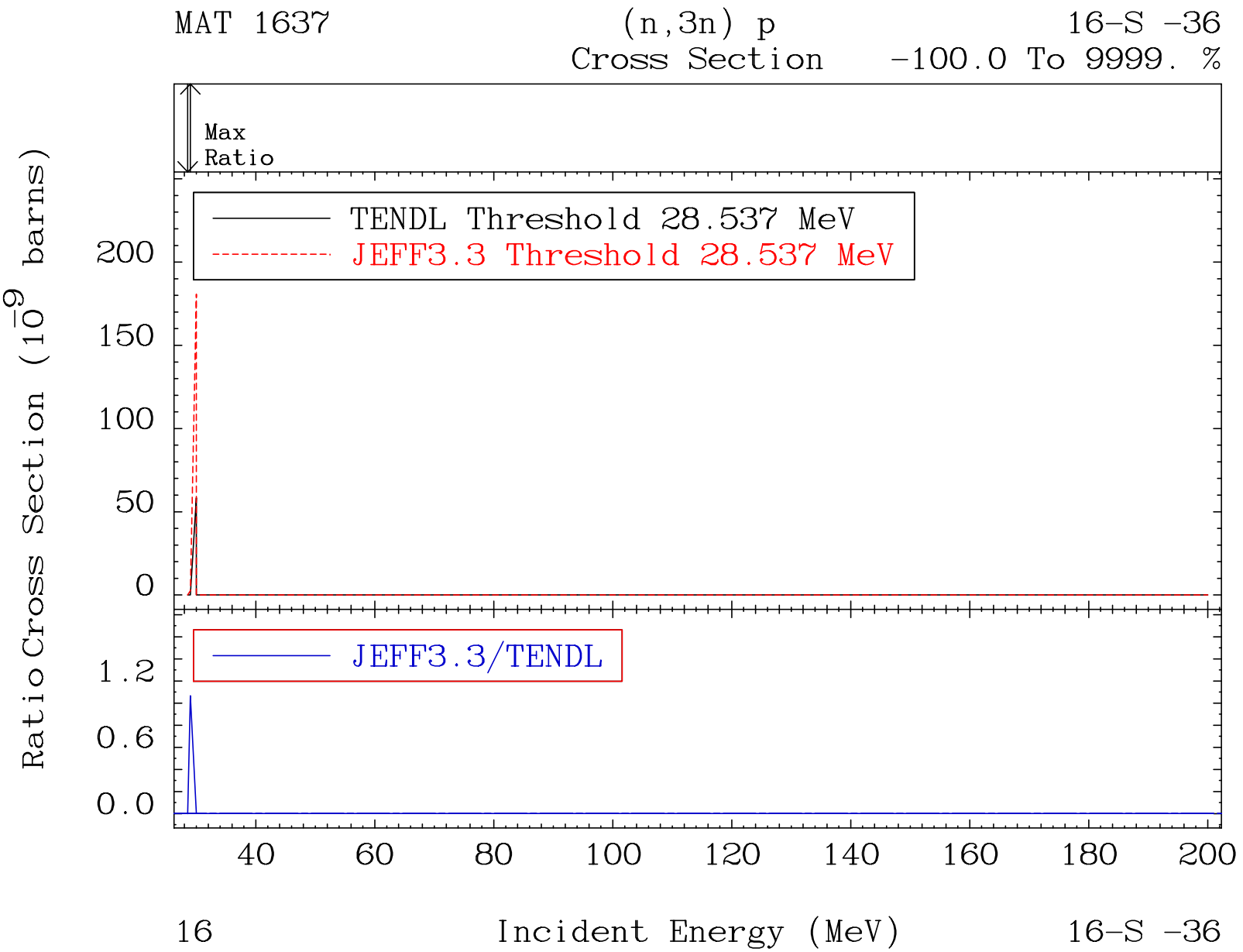

MAT 1637
(n,n') 2α
16-S -36
Cross Section
-100.0 To 473.7 %
Max
Ratio
TENDL Threshold 21.069 MeV
JEFF3.3 Threshold 21.069 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
500
400
300
200
100
0
8
4
0
20
40
60
80
100
120
140
160
180
200
11
Incident Energy (MeV)
16-S -36

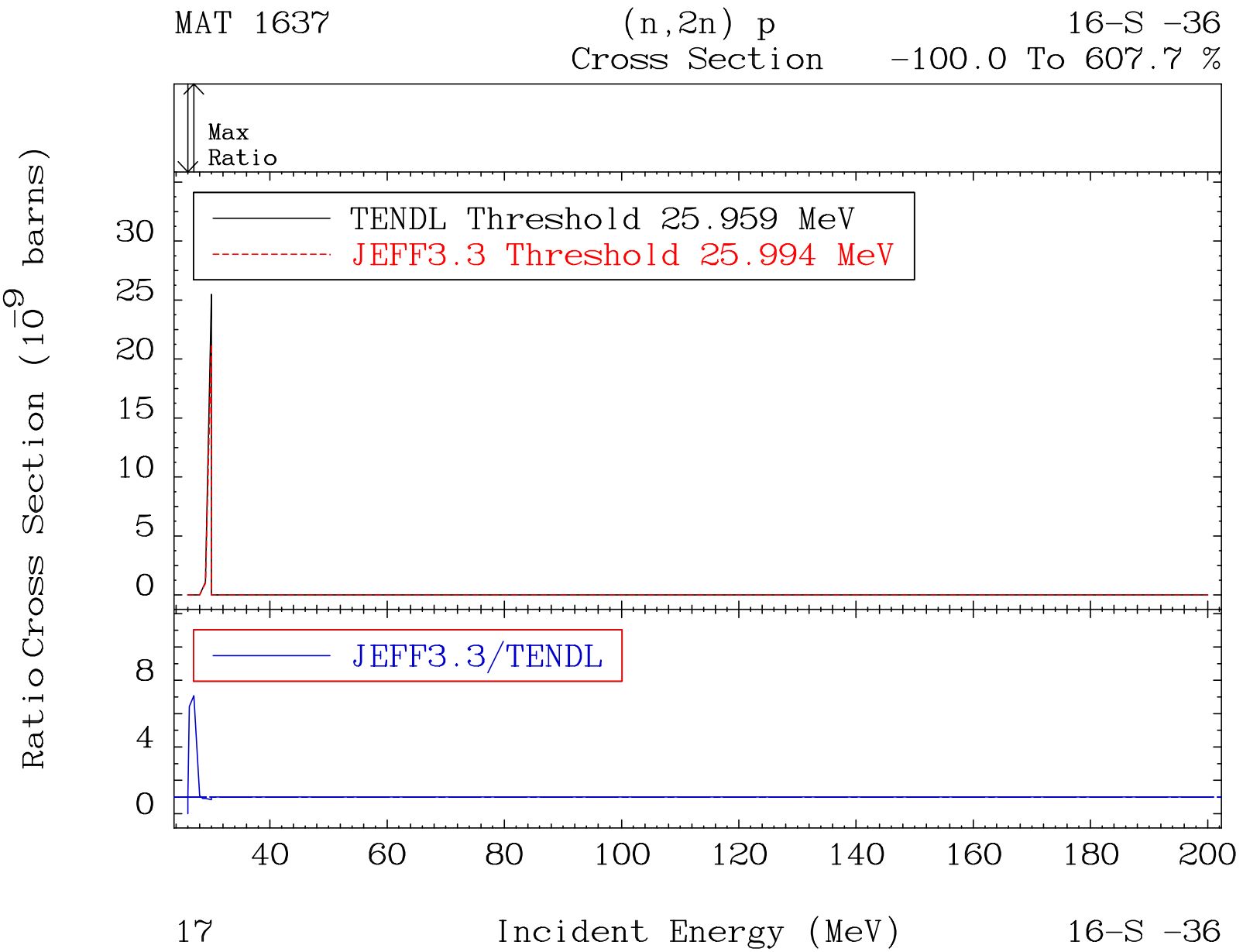

MAT 1637
(n,n') d
16-S -36
Cross Section 0.000 To 1305. %
Max Ratio
Min Ratio
TENDL Threshold 19.791 MeV
JEFF3.3 Threshold 19.791 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
16-S -36

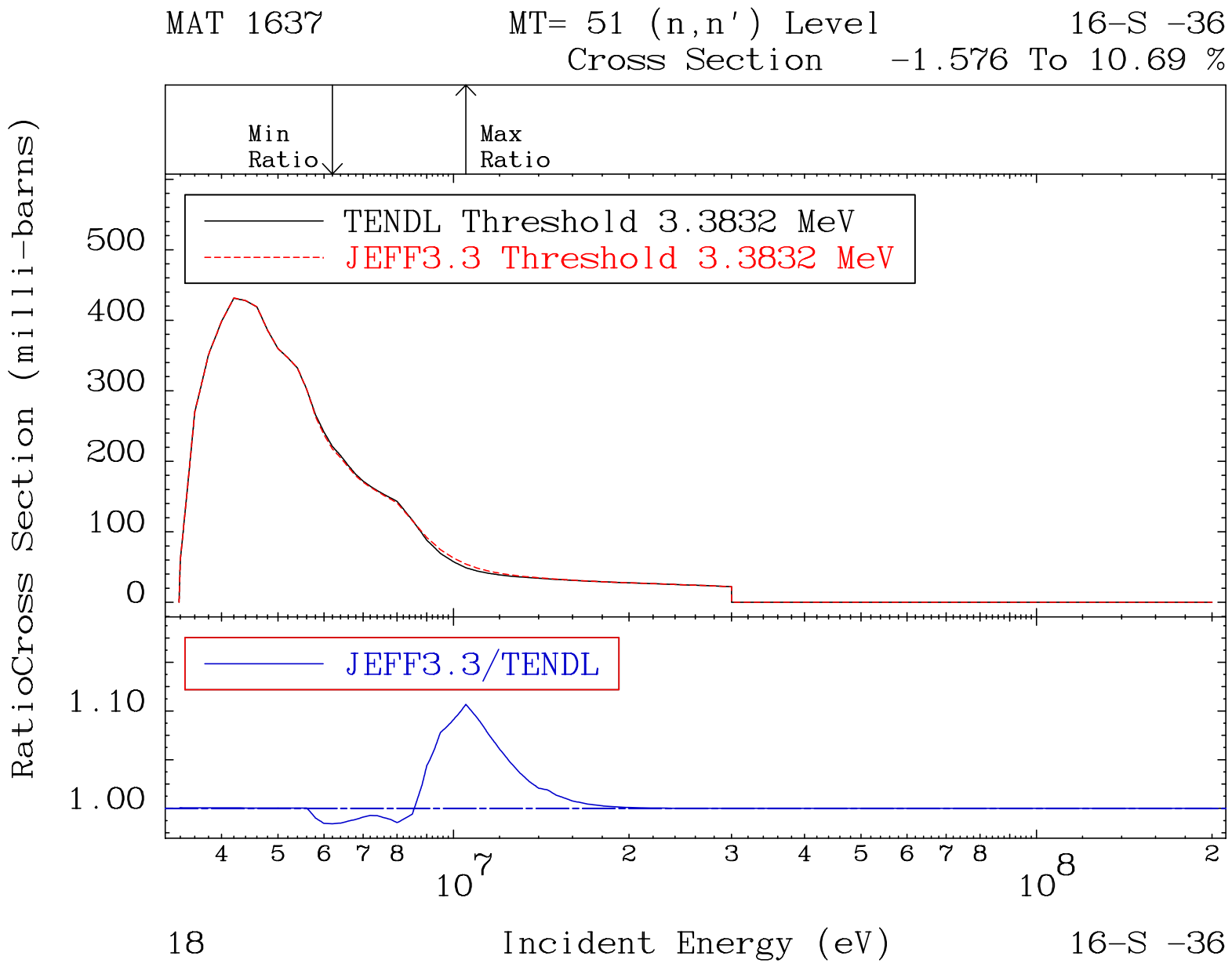

MAT 1637
(n,n') t
16-S -36
Cross Section
0.000
To 160.9 %
Max
Ratio
TENDL Threshold 19.817 MeV
JEFF3.3 Threshold 19.817 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
16-S -36

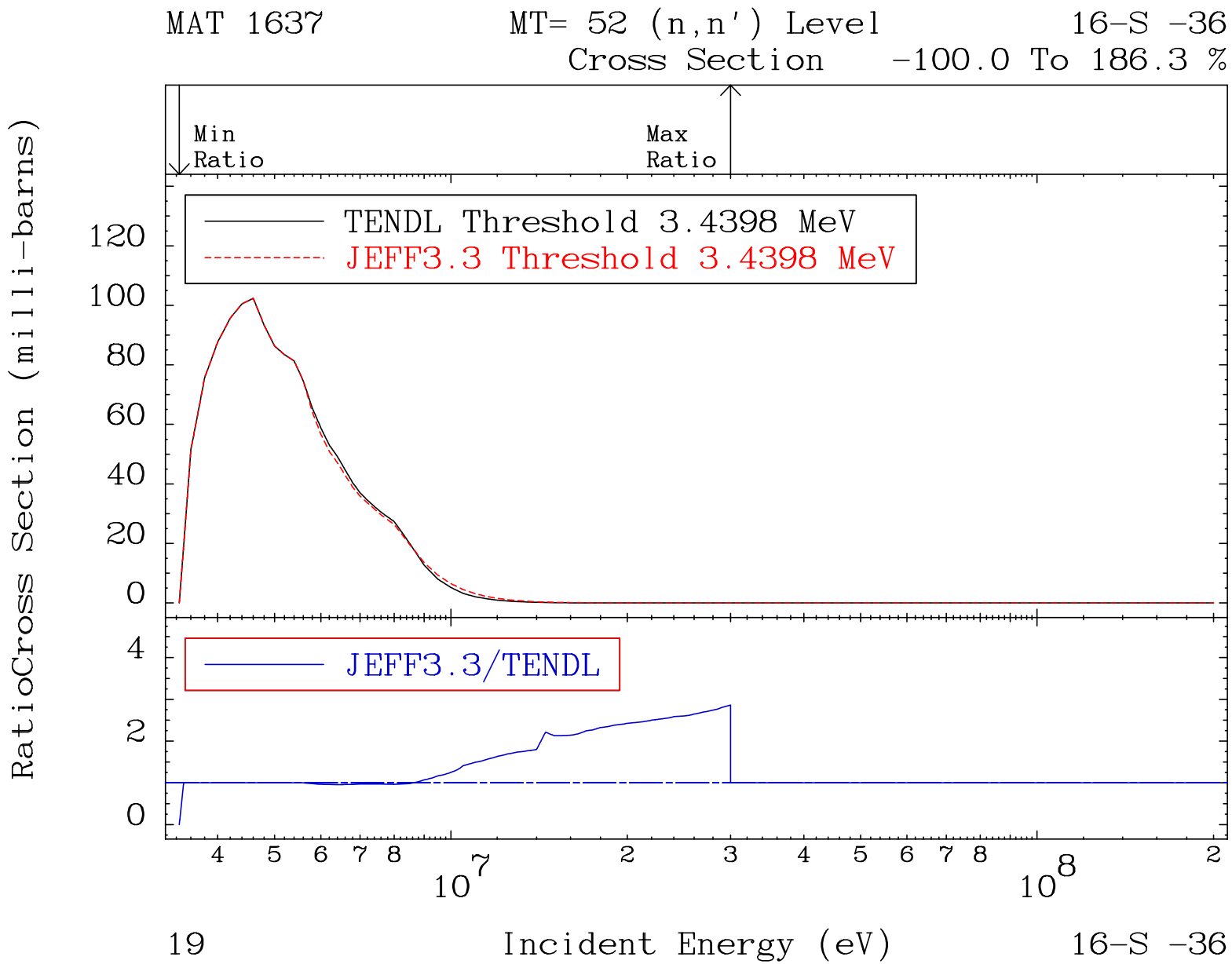

MAT 1637
(n,n') He-3
16-S -36
Cross Section 0.000 To 205.2 %
Min
Ratio
TENDL Threshold 25.784 MeV
JEFF3.3 Threshold 25.784 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
1
2
3
4
5
6
7
1.0
2.0
3.0
4.0
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
16-S -36

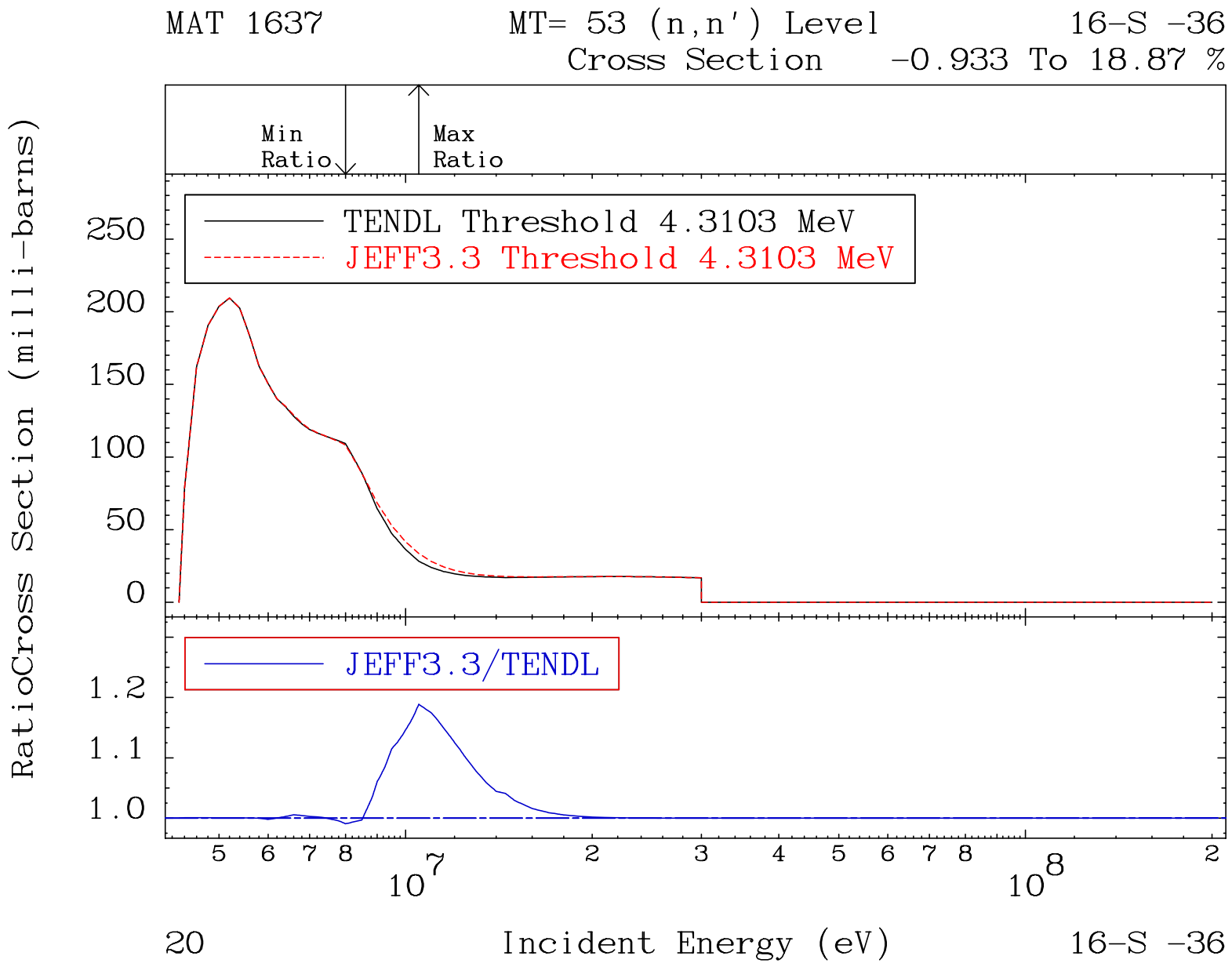

MAT 1637
(n,2n) p
16-S -36
Cross Section 0.000 To 302.7 %
Max
Ratio
TENDL Threshold 22.078 MeV
JEFF3.3 Threshold 22.078 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
4
2
20
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
16-S -36

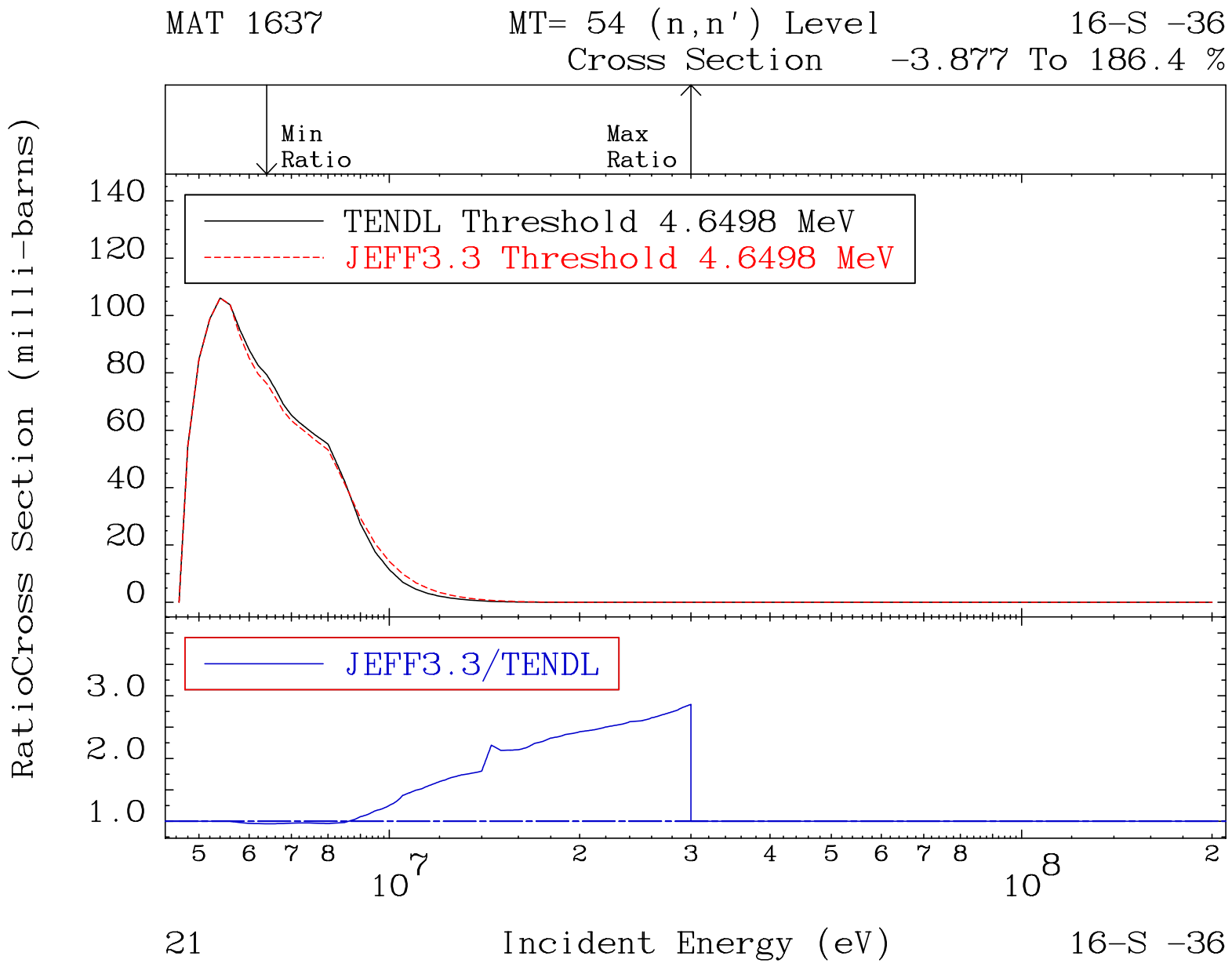

MAT 1637
(n,3n) p
16-S -36
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 28.537 MeV
JEFF3.3 Threshold 28.537 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
200
150
100
50
0
1.2
0.6
0.0
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
16-S -36

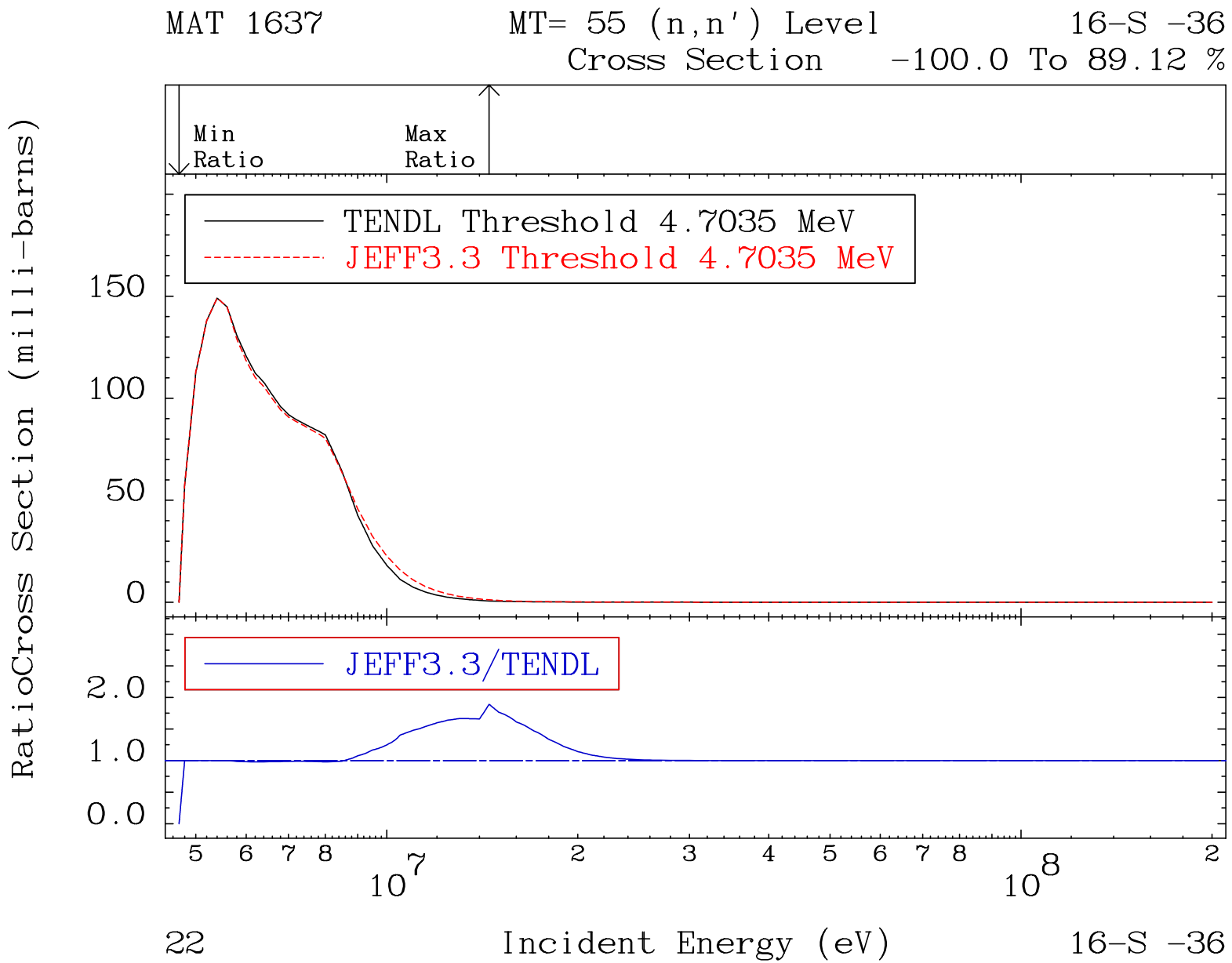

MAT 1637
(n,2n) p
16-S -36
Cross Section
-100.0 To 607.7 %
Max
Ratio
TENDL Threshold 25.959 MeV
JEFF3.3 Threshold 25.994 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
30
25
20
15
10
5
0
8
4
0
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
16-S -36

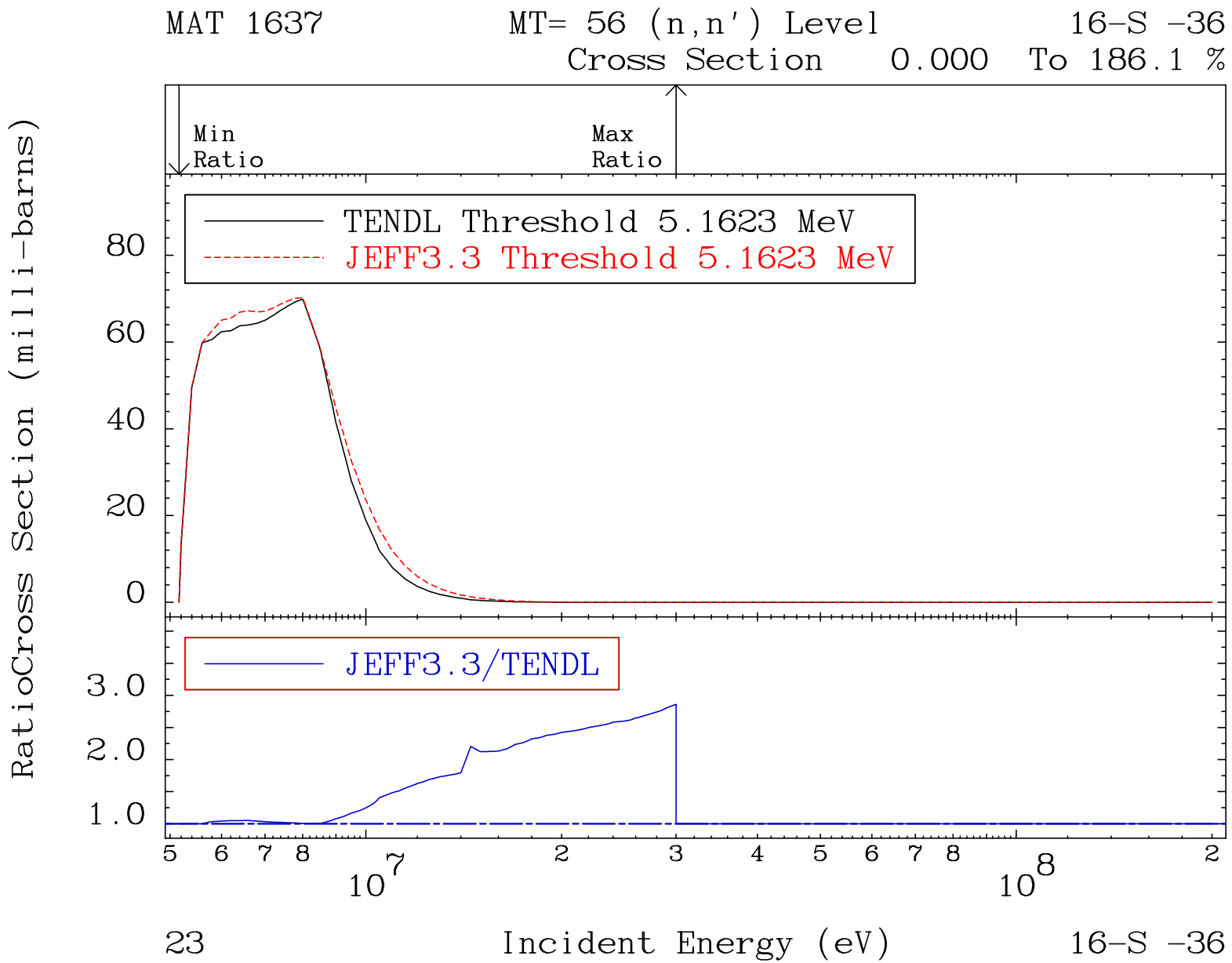

MAT 1637
MT= 51 (n,n') Level
16-S -36
Cross Section
-1.576 To 10.69 %
Min Ratio
Max Ratio
TENDL Threshold 3.3832 MeV
JEFF3.3 Threshold 3.3832 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.10
1.00
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
16-S -36

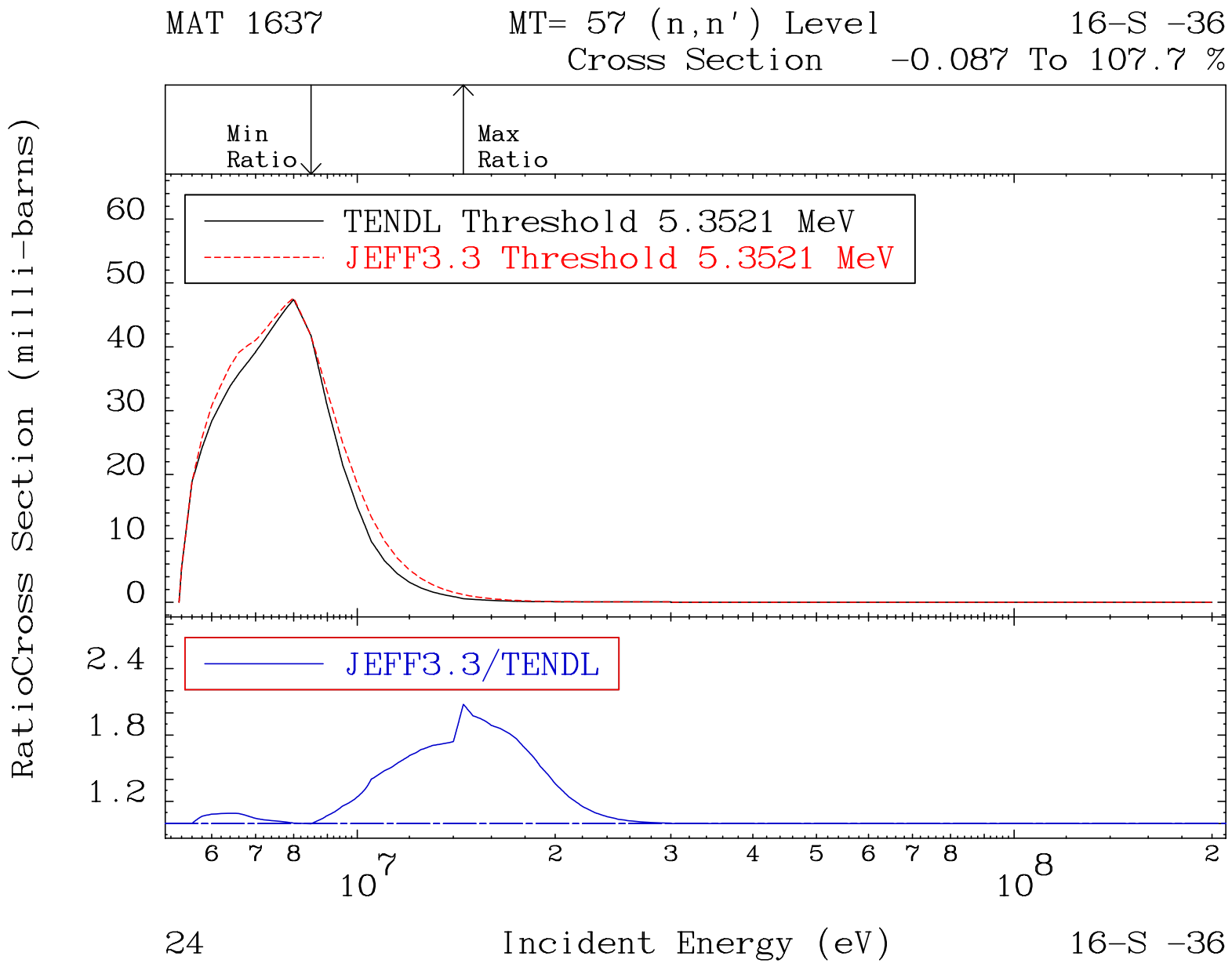

MAT 1637
MT= 52 (n,n') Level
16-S -36
Cross Section
-100.0 To 186.3 %
Min Ratio
Max Ratio
TENDL Threshold 3.4398 MeV
JEFF3.3 Threshold 3.4398 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
16-S -36

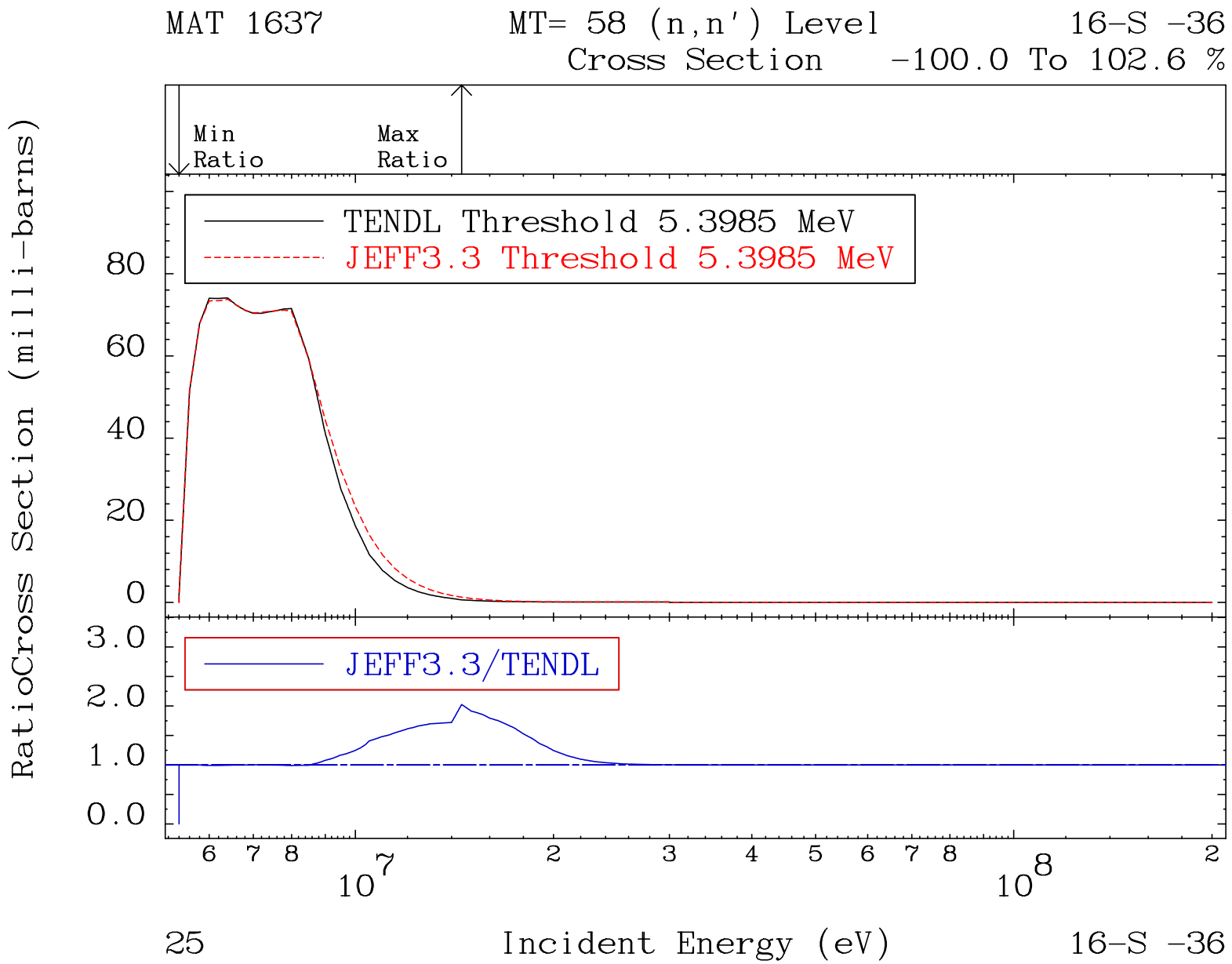

MAT 1637
MT= 53 (n,n') Level
16-S -36
Cross Section
-0.933 To 18.87 %
Min Ratio
Max Ratio
TENDL Threshold 4.3103 MeV
JEFF3.3 Threshold 4.3103 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
1.1
1.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
16-S -36

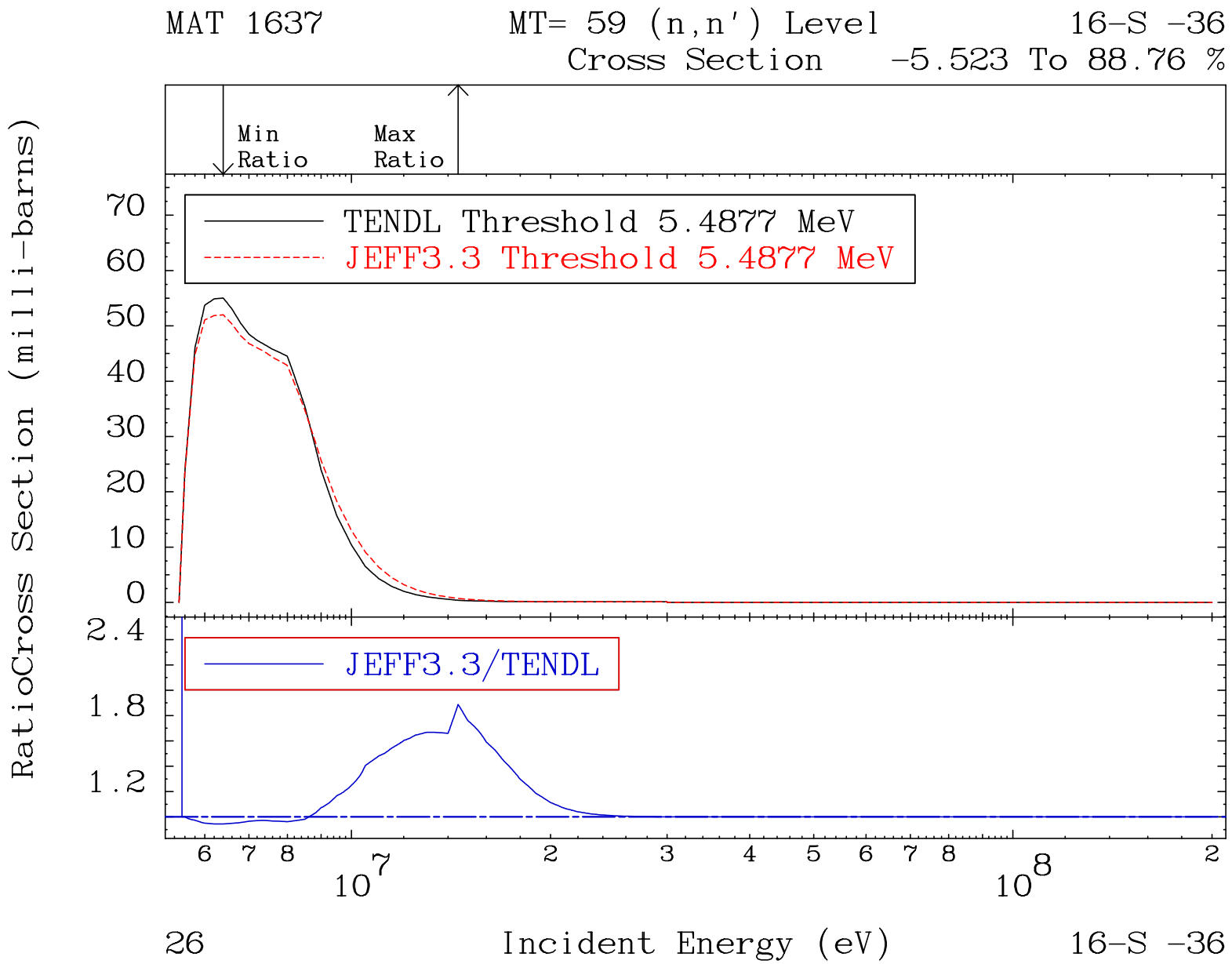

MAT 1637
MT= 54 (n,n') Level
16-S -36
Cross Section -3.877 To 186.4 %
Min Ratio
Max Ratio
TENDL Threshold 4.6498 MeV
JEFF3.3 Threshold 4.6498 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
3.0
2.0
1.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
16-S -36

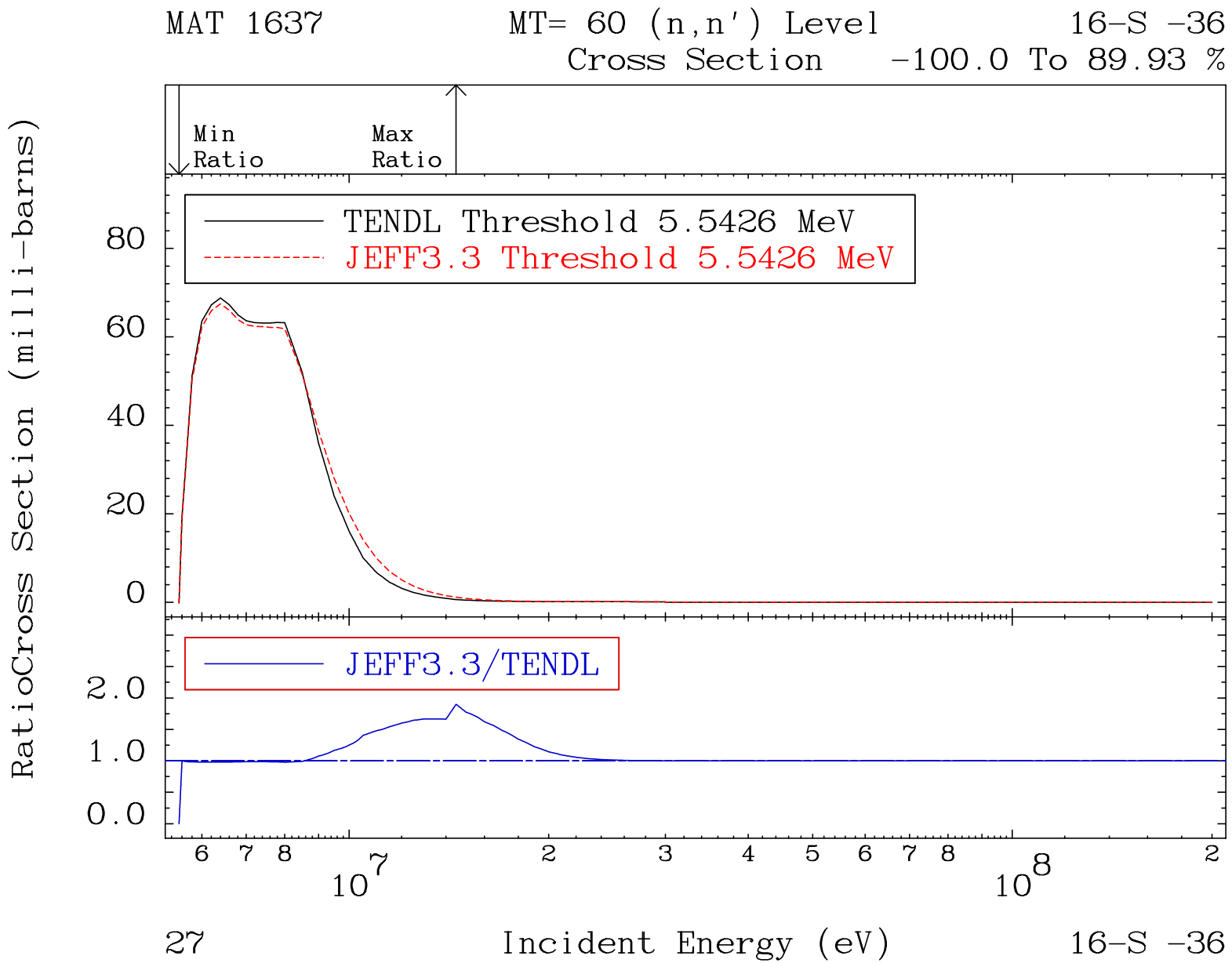

MAT 1637
MT= 55 (n,n') Level
16-S -36
Cross Section -100.0 To 89.12 %
Min Ratio
Max Ratio
TENDL Threshold 4.7035 MeV
JEFF3.3 Threshold 4.7035 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
2.0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
16-S -36

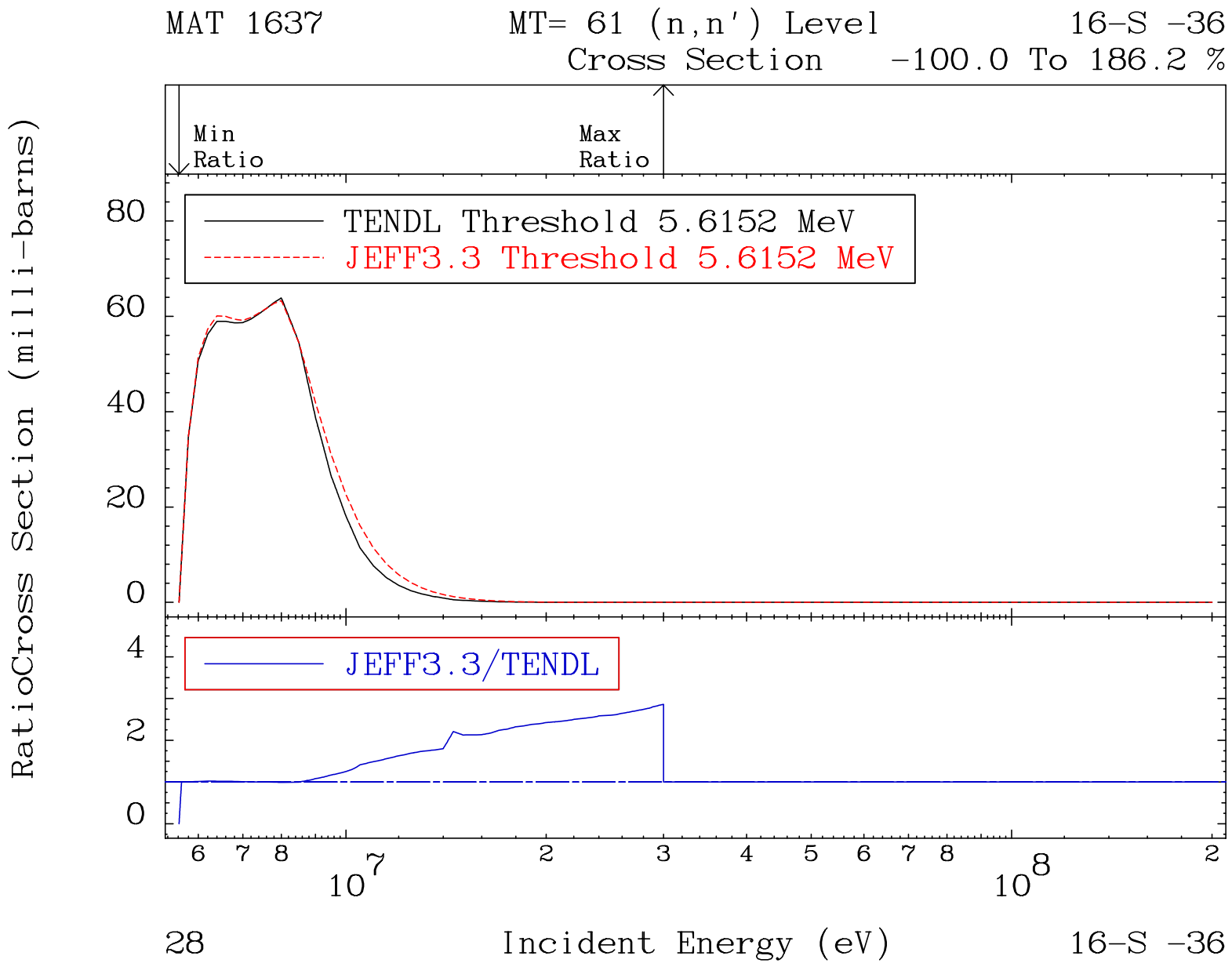

MAT 1637
MT= 56 (n,n') Level
16-S -36
Cross Section 0.000 To 186.1 %
Min Ratio
Max Ratio
TENDL Threshold 5.1623 MeV
JEFF3.3 Threshold 5.1623 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
16-S -36

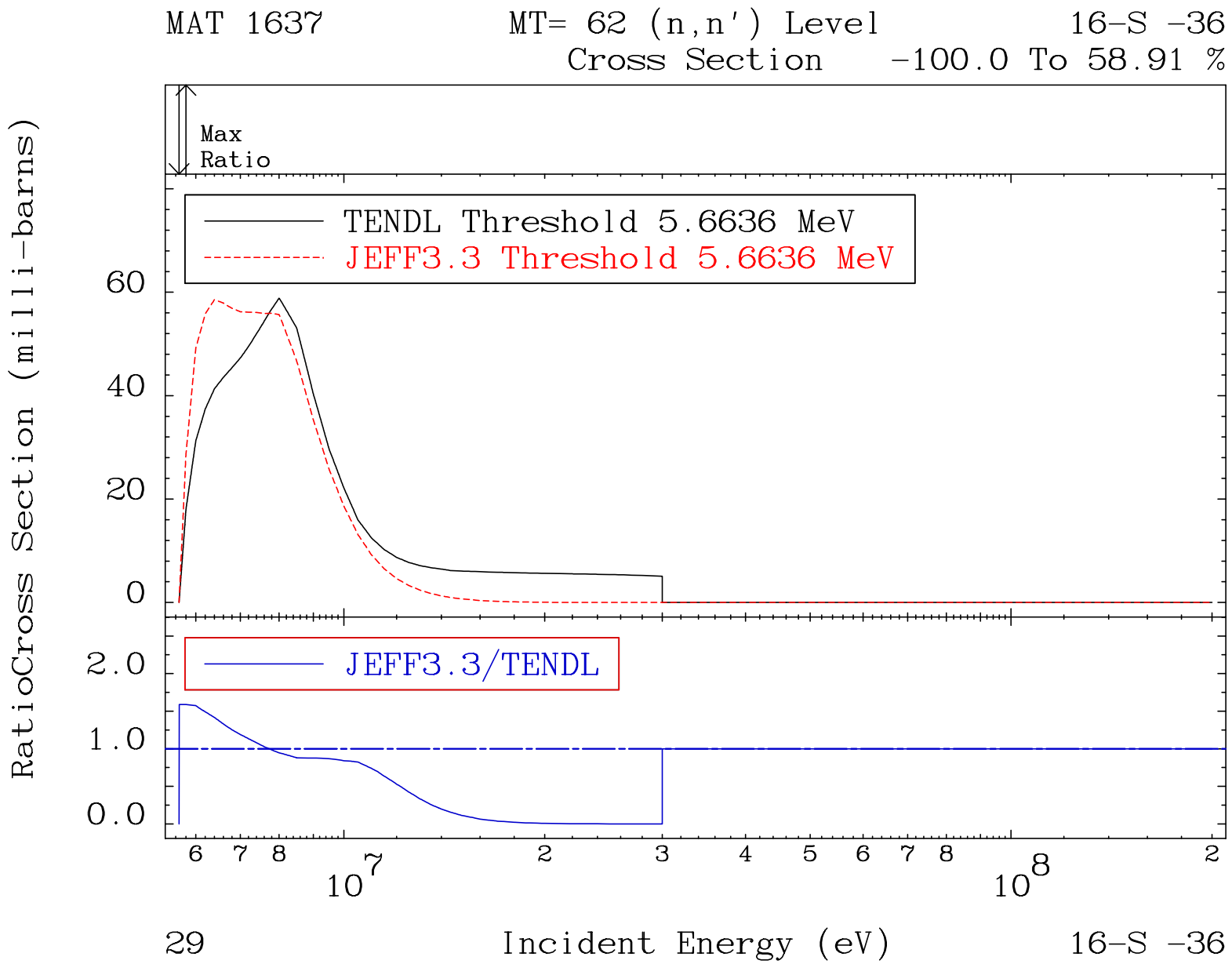

MAT 1637
MT= 57 (n,n') Level
16-S -36
Cross Section -0.087 To 107.7 %
Min Ratio
Max Ratio
TENDL Threshold 5.3521 MeV
JEFF3.3 Threshold 5.3521 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.4
1.8
1.2
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
16-S -36

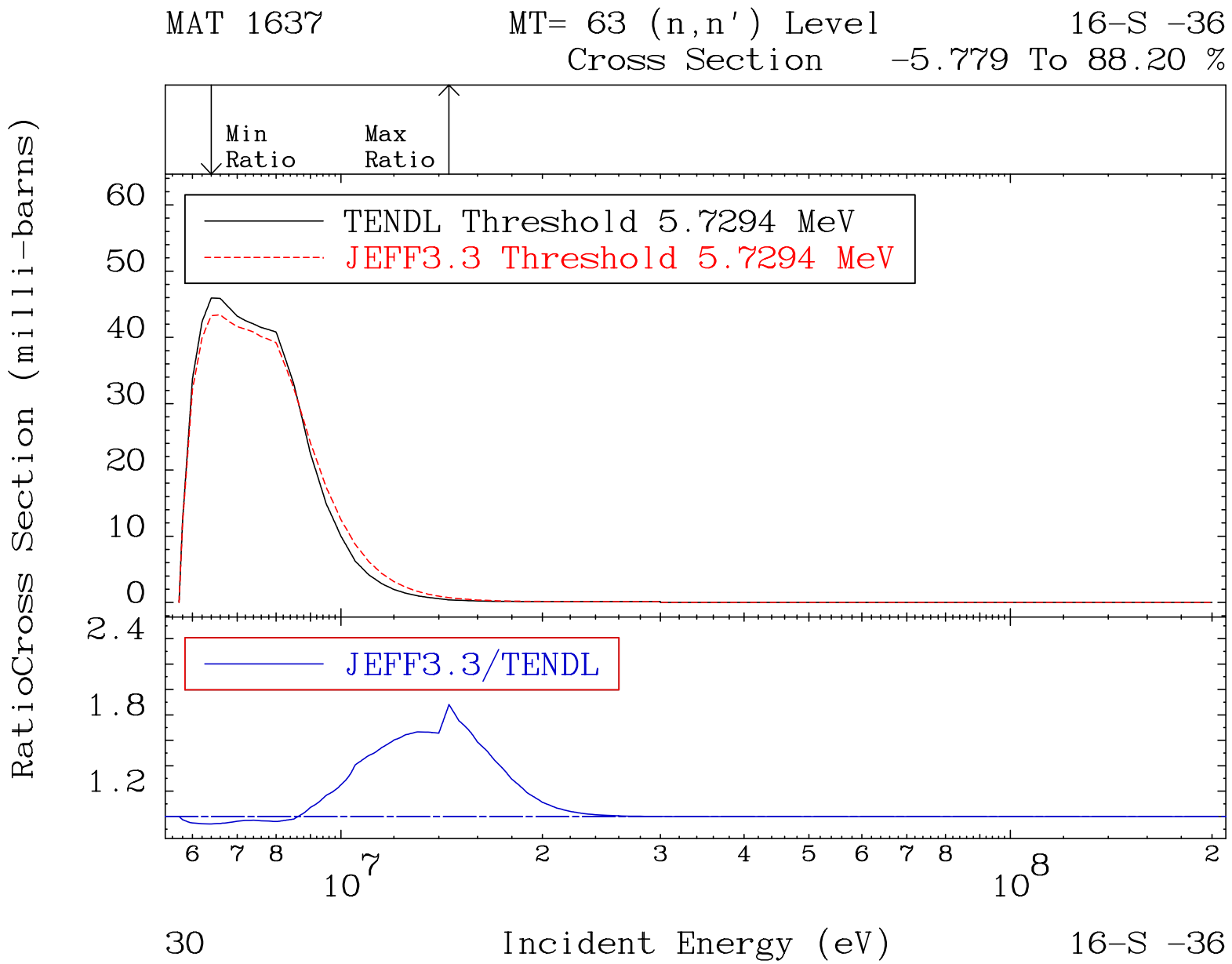

MAT 1637
MT= 58 (n,n') Level
16-S -36
Cross Section -100.0 To 102.6 %
Min Ratio
Max Ratio
TENDL Threshold 5.3985 MeV
JEFF3.3 Threshold 5.3985 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
16-S -36

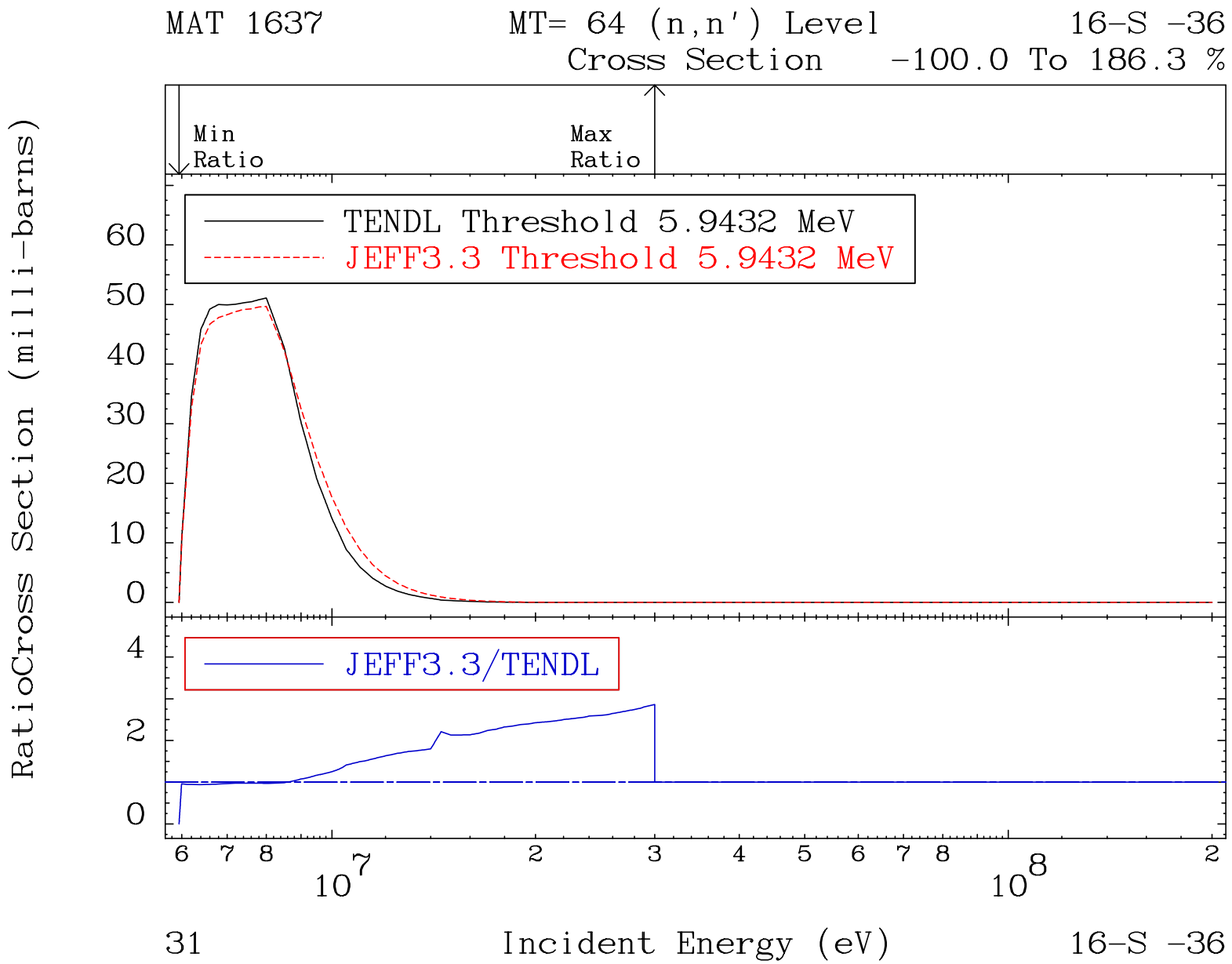

MAT 1637
MT= 59 (n,n') Level
16-S -36
Cross Section
-5.523 To 88.76 %
Min Ratio
Max Ratio
TENDL Threshold 5.4877 MeV
JEFF3.3 Threshold 5.4877 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.4
1.8
1.2
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
16-S -36

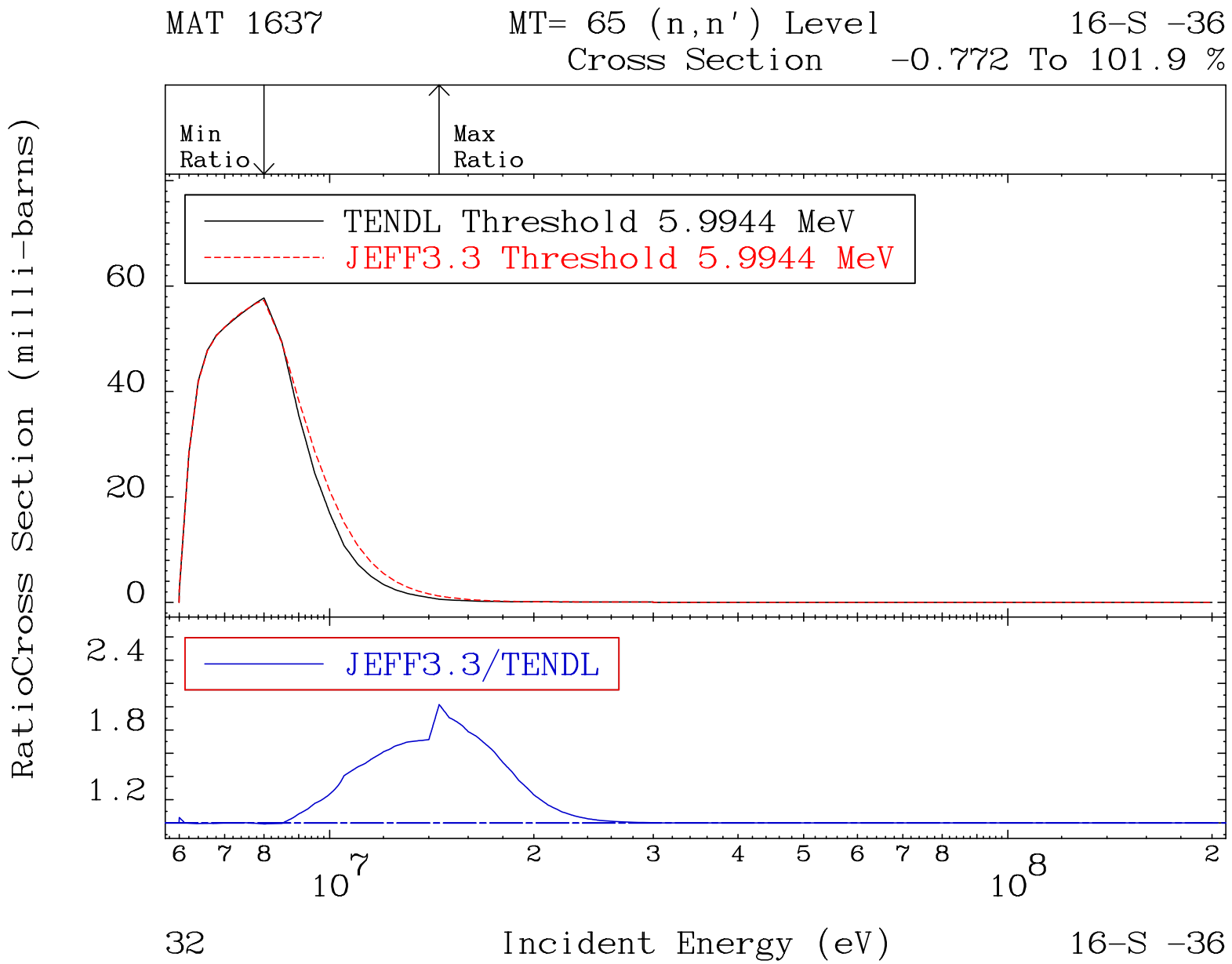

MAT 1637
MT= 60 (n,n') Level
16-S -36
Cross Section
-100.0 To 89.93 %
Min Ratio
Max Ratio
TENDL Threshold 5.5426 MeV
JEFF3.3 Threshold 5.5426 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
16-S -36

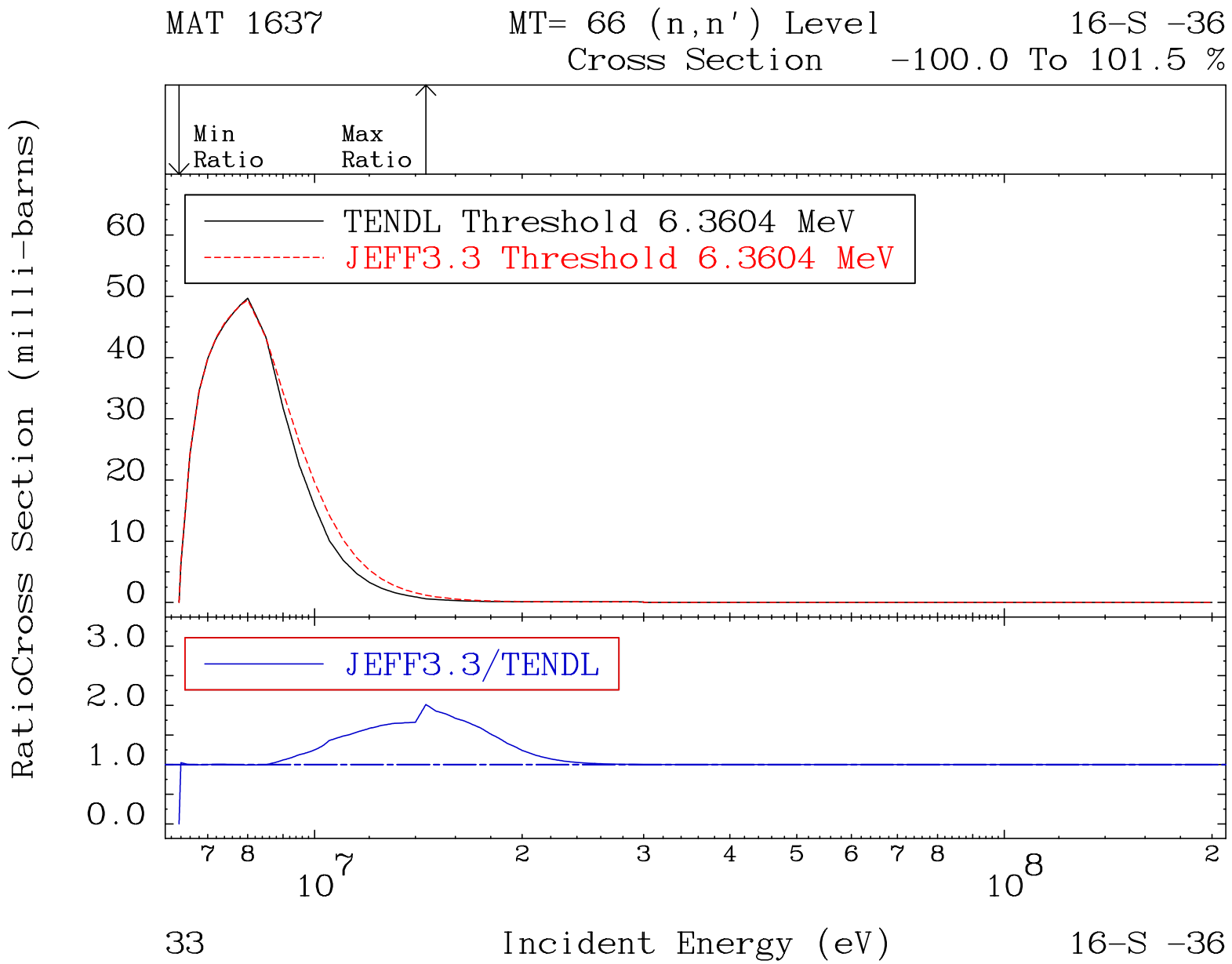

MAT 1637
MT= 61 (n,n') Level
16-S -36
Cross Section
-100.0 To 186.2 %
Min Ratio
Max Ratio
TENDL Threshold 5.6152 MeV
JEFF3.3 Threshold 5.6152 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
16-S -36

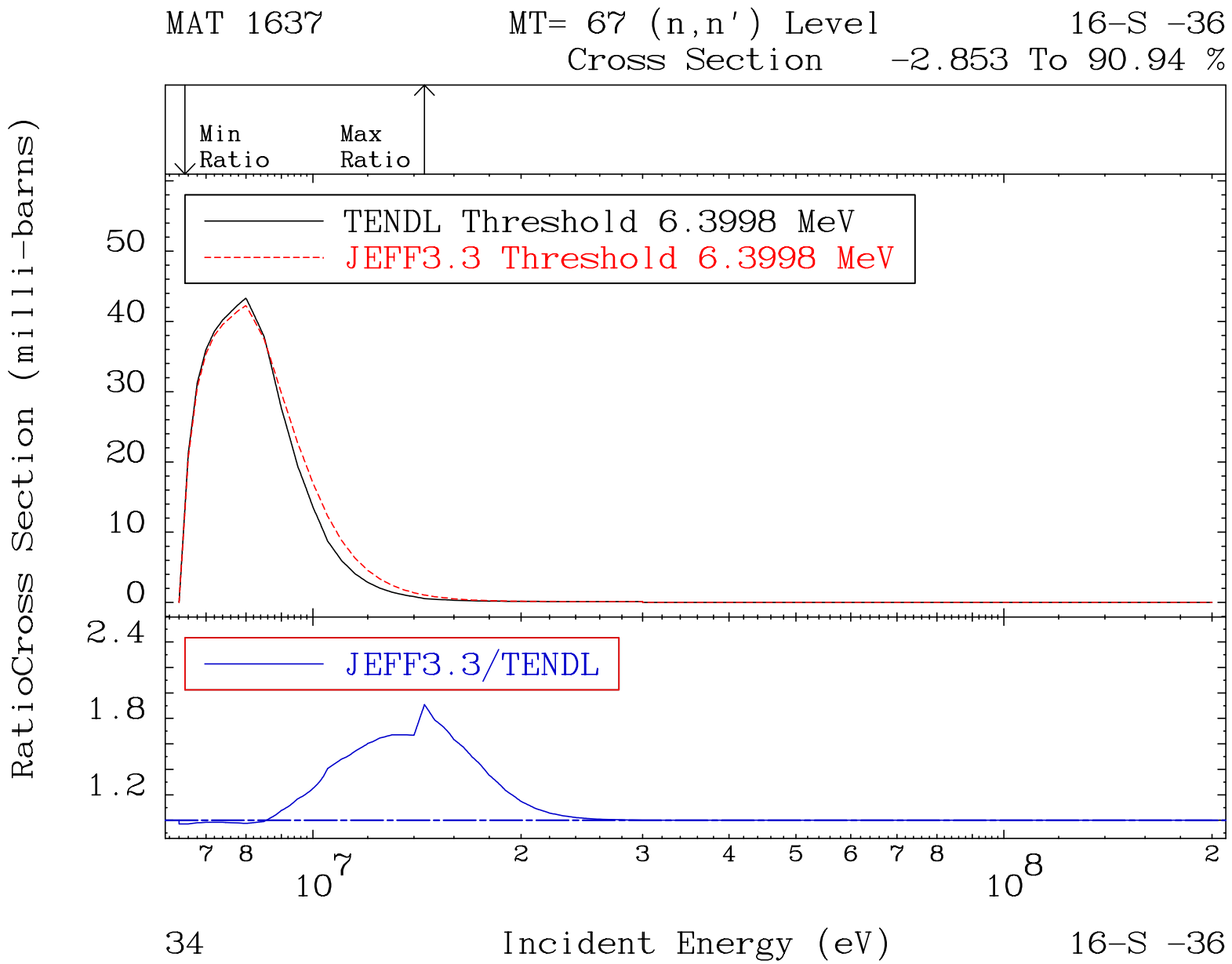

MAT 1637
MT= 62 (n,n') Level
16-S -36
Cross Section
-100.0 To 58.91 %
Max
Ratio
TENDL Threshold 5.6636 MeV
JEFF3.3 Threshold 5.6636 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
16-S -36

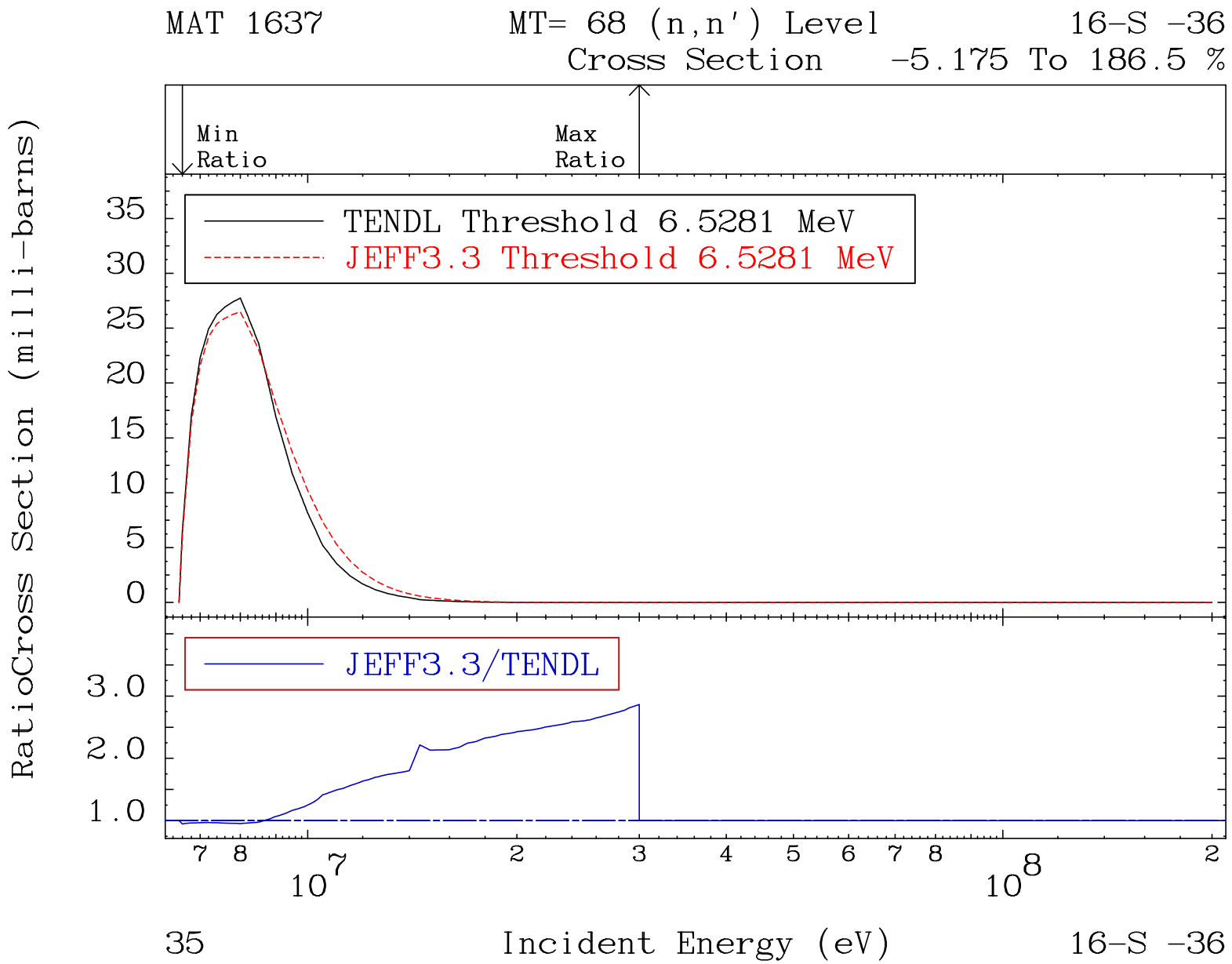

MAT 1637
MT= 63 (n,n') Level
16-S -36
Cross Section
-5.779 To 88.20 %
Min Ratio
Max Ratio
TENDL Threshold 5.7294 MeV
JEFF3.3 Threshold 5.7294 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
16-S -36

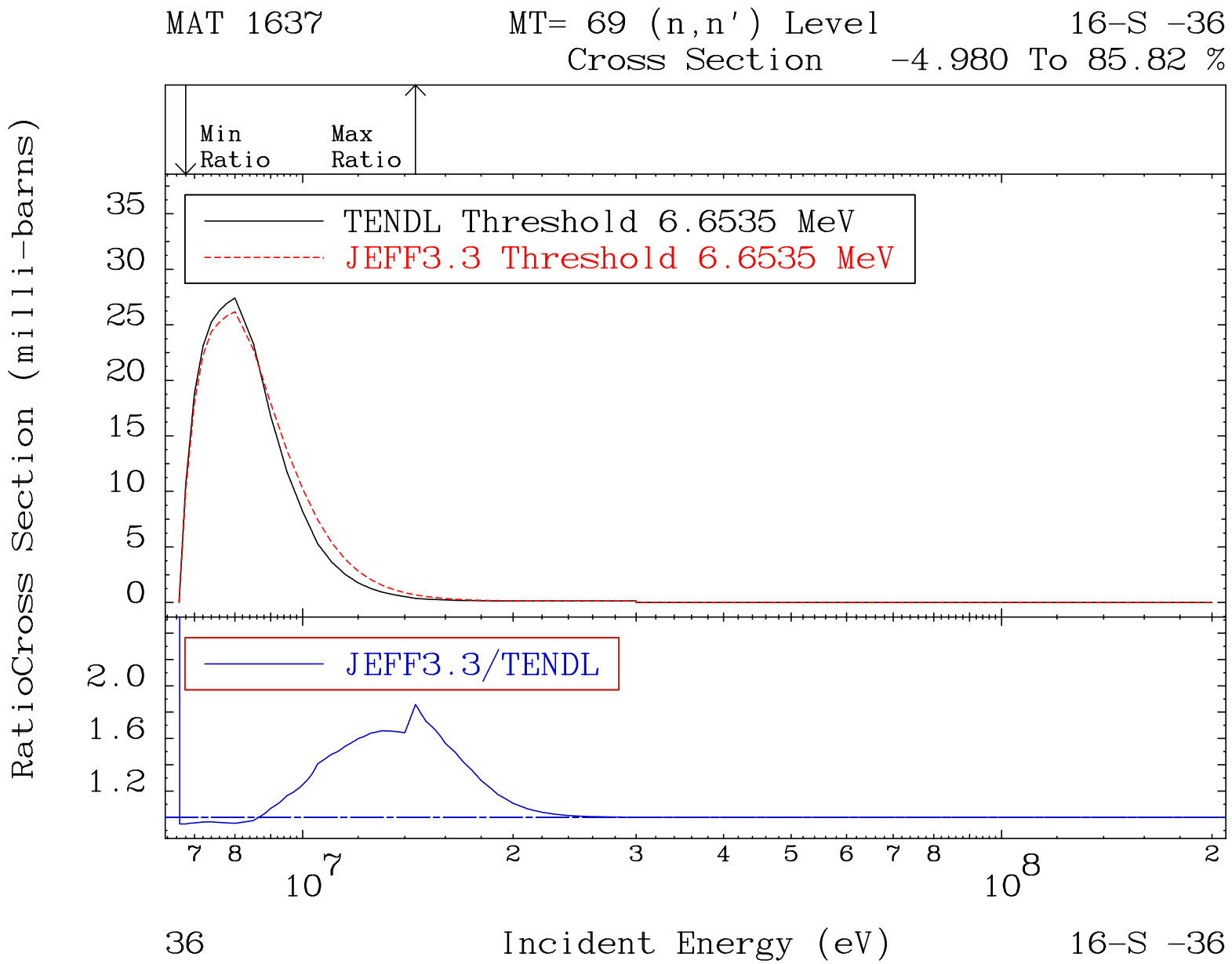

MAT 1637
MT= 64 (n,n') Level
16-S -36
Cross Section -100.0 To 186.3 %
Min Ratio
Max Ratio
TENDL Threshold 5.9432 MeV
JEFF3.3 Threshold 5.9432 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
16-S -36

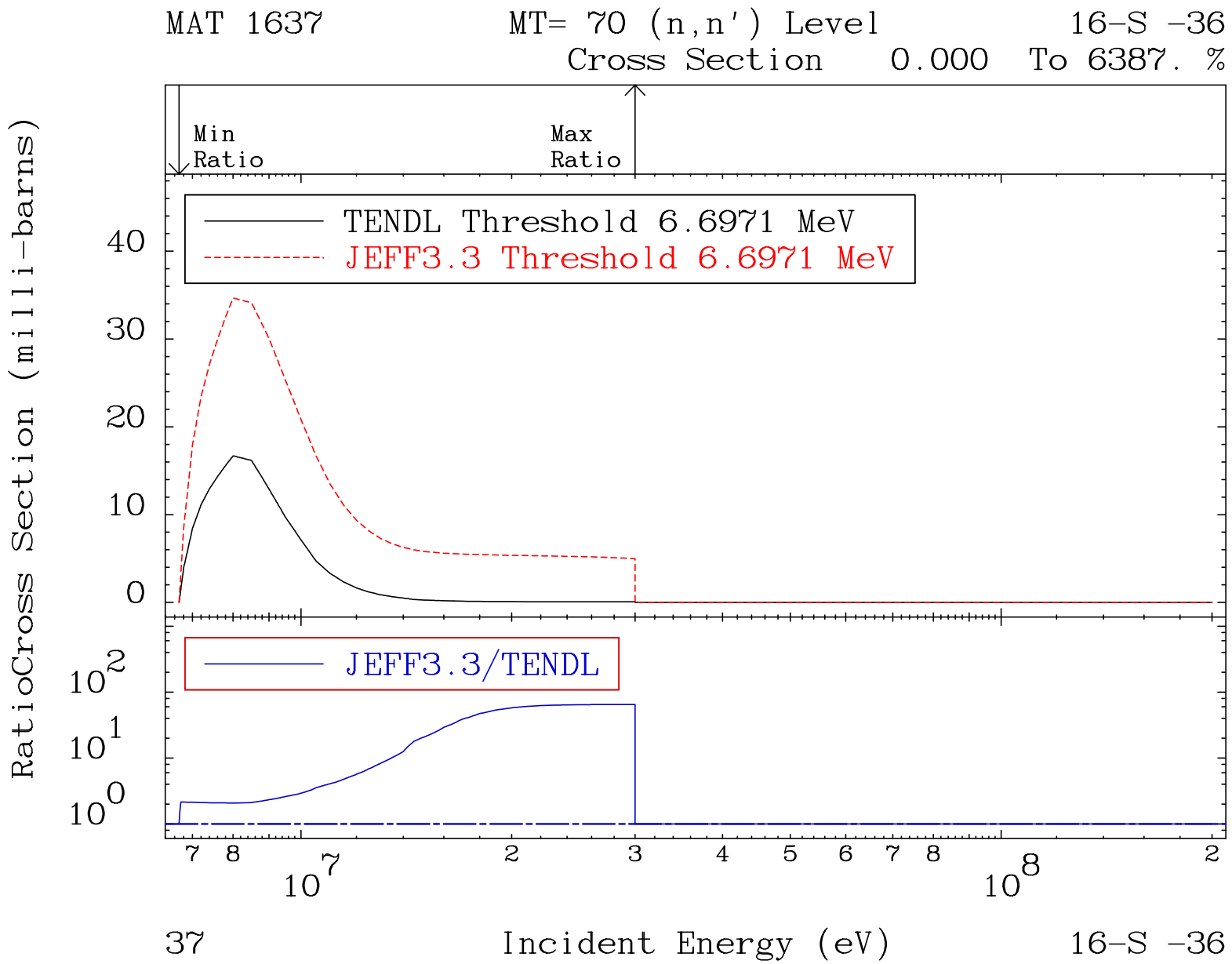

MAT 1637
MT= 65 (n,n') Level
16-S -36
Cross Section -0.772 To 101.9 %
Min Ratio
Max Ratio
TENDL Threshold 5.9944 MeV
JEFF3.3 Threshold 5.9944 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.4
1.8
1.2
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
16-S -36

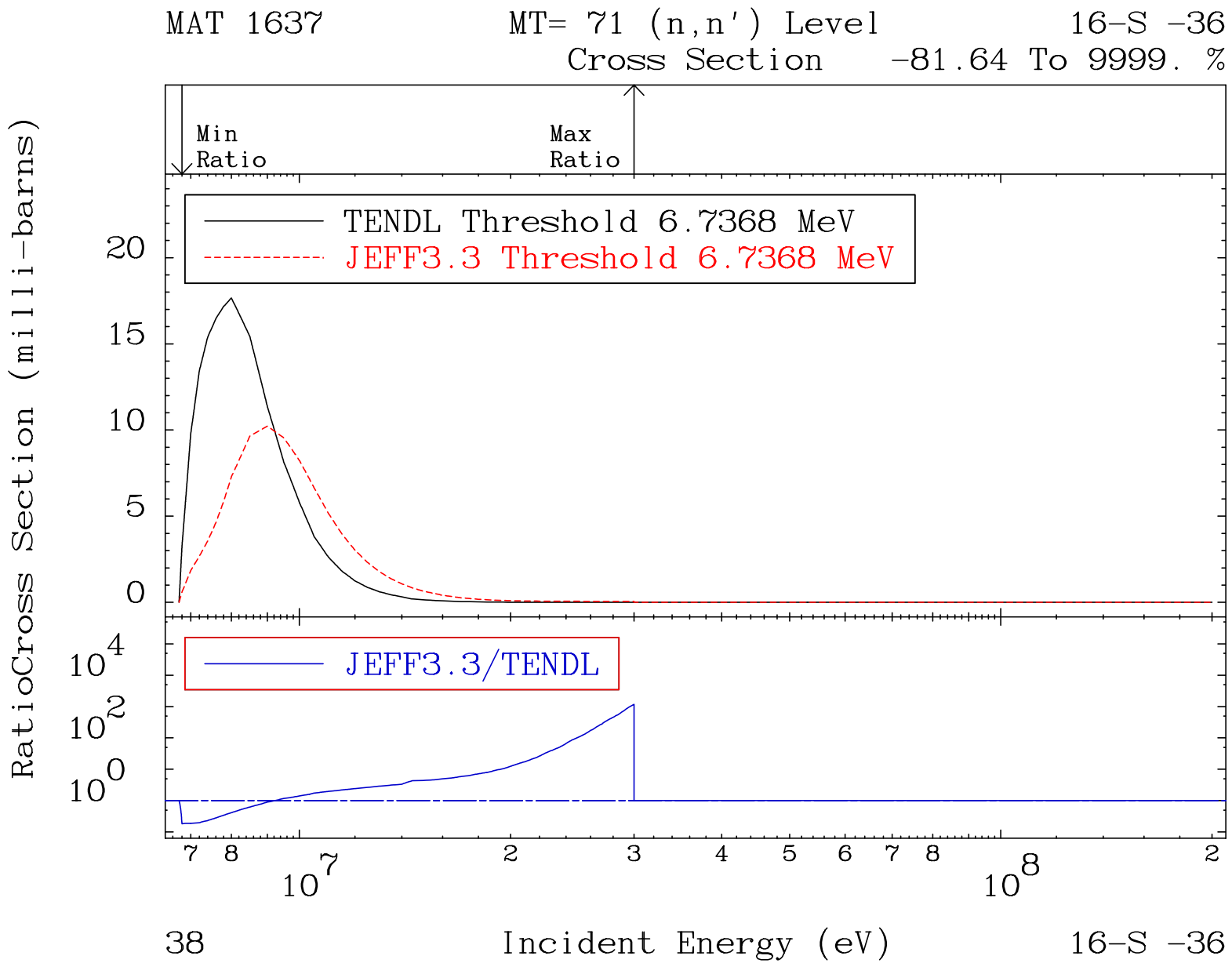

MAT 1637
MT= 66 (n,n') Level
16-S -36
Cross Section -100.0 To 101.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.3604 MeV
JEFF3.3 Threshold 6.3604 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
16-S -36

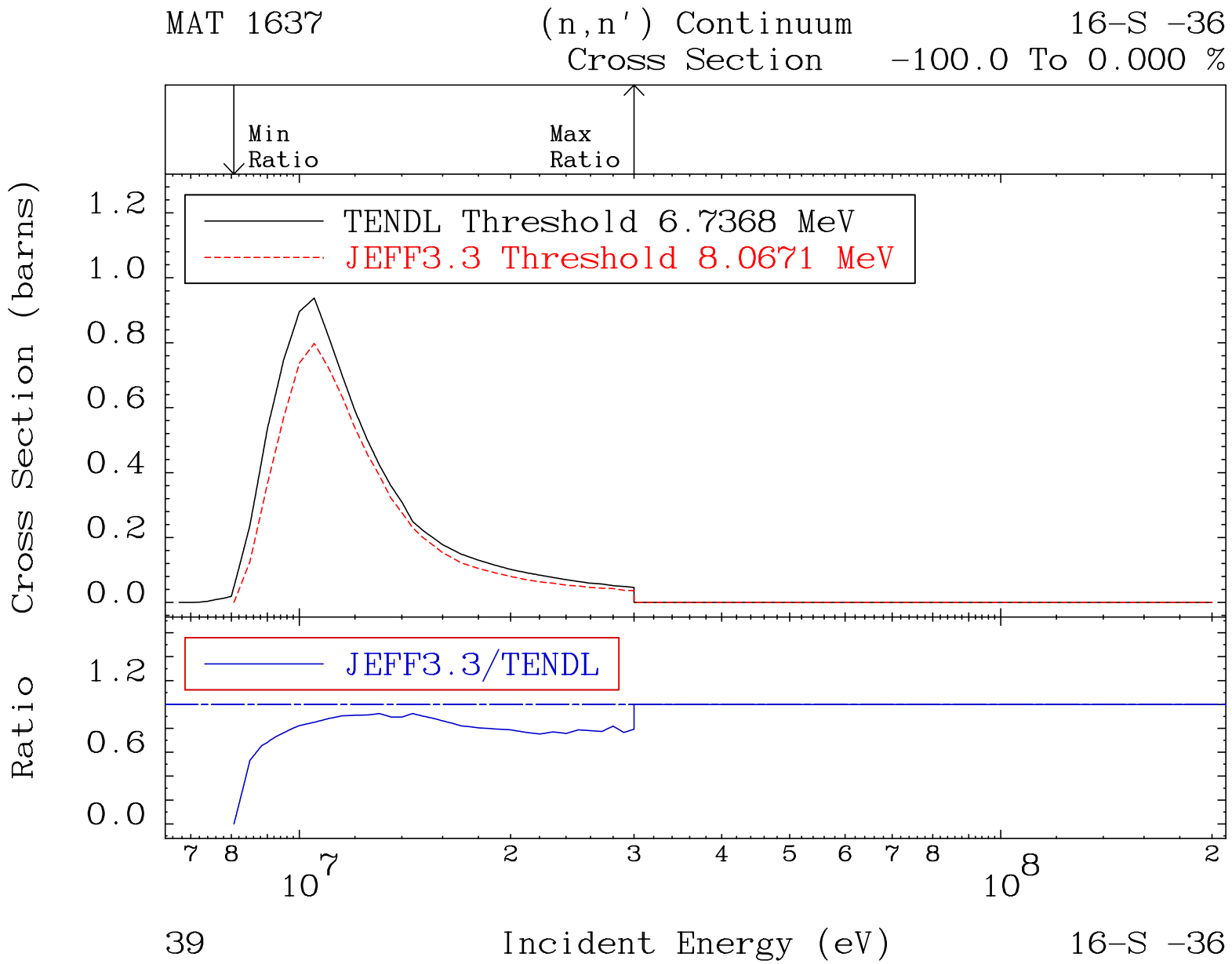

MAT 1637
MT= 67 (n,n') Level
16-S -36
Cross Section
-2.853 To 90.94 %
Min Ratio
Max Ratio
TENDL Threshold 6.3998 MeV
JEFF3.3 Threshold 6.3998 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.4
1.8
1.2
7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
16-S -36

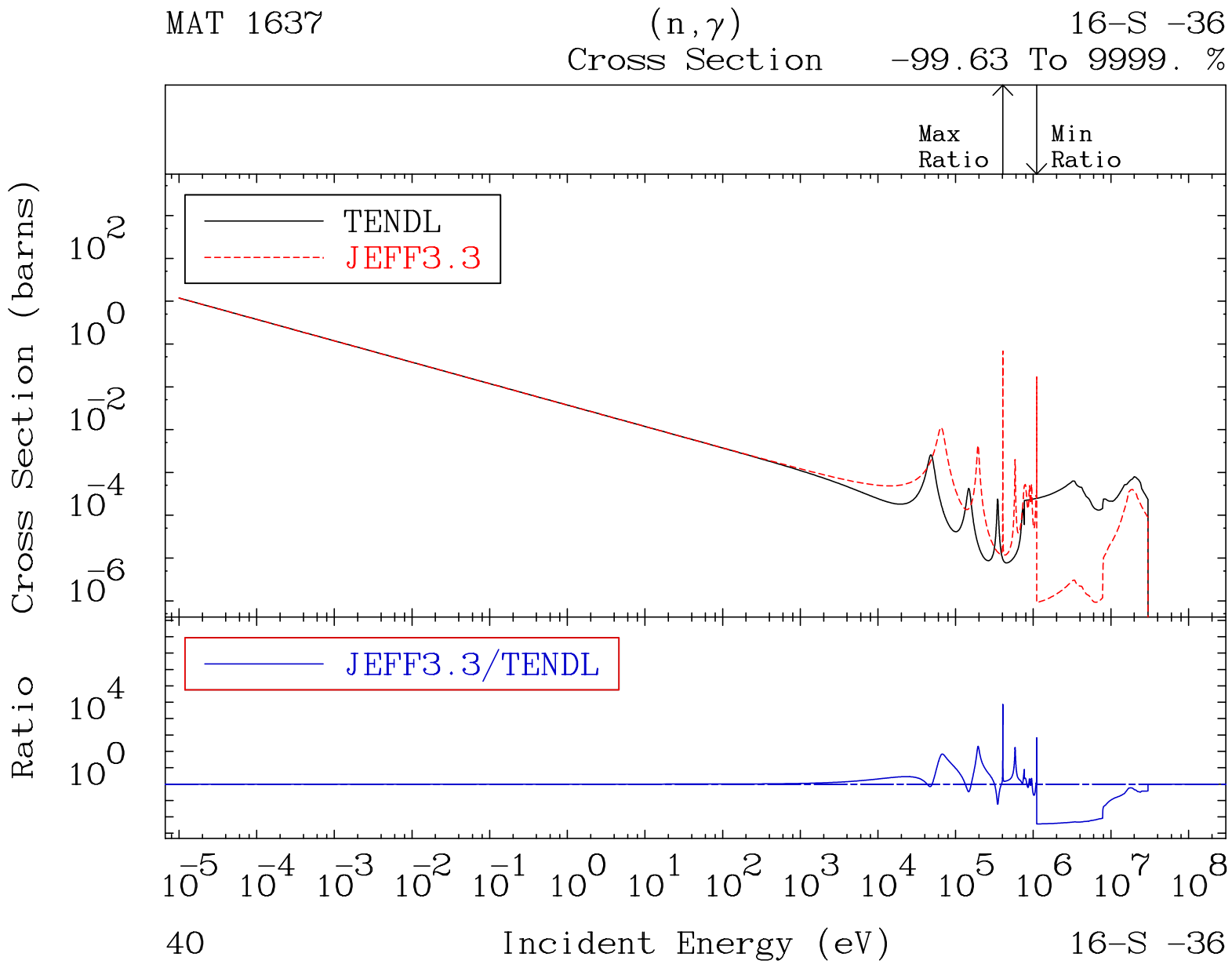

MAT 1637
MT= 68 (n,n') Level
16-S -36
Cross Section -5.175 To 186.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.5281 MeV
JEFF3.3 Threshold 6.5281 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
3.0
2.0
1.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
16-S -36

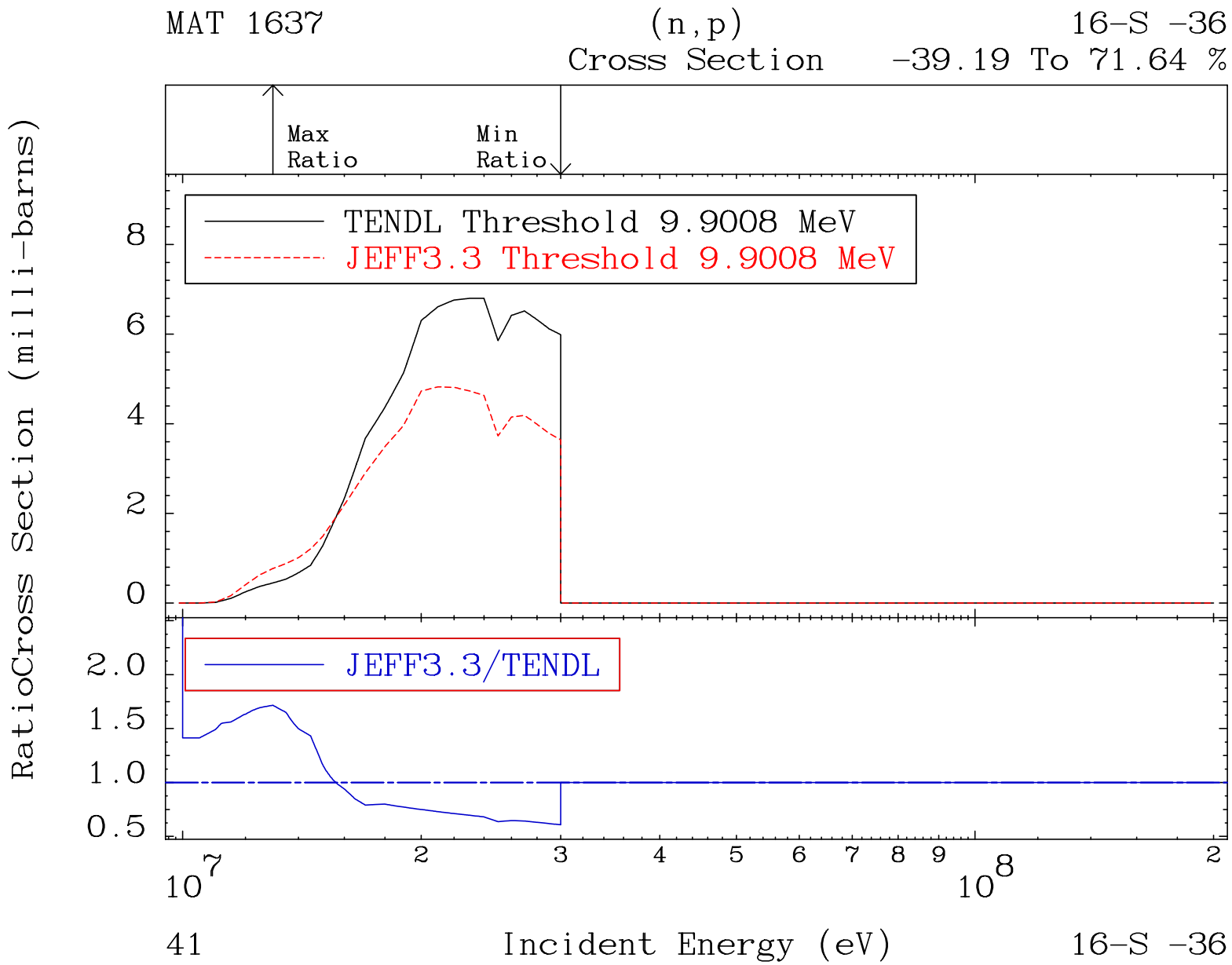

MAT 1637
MT= 69 (n,n') Level
16-S -36
Cross Section -4.980 To 85.82 %
Min Ratio
Max Ratio
TENDL Threshold 6.6535 MeV
JEFF3.3 Threshold 6.6535 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.6
1.2
7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
16-S -36

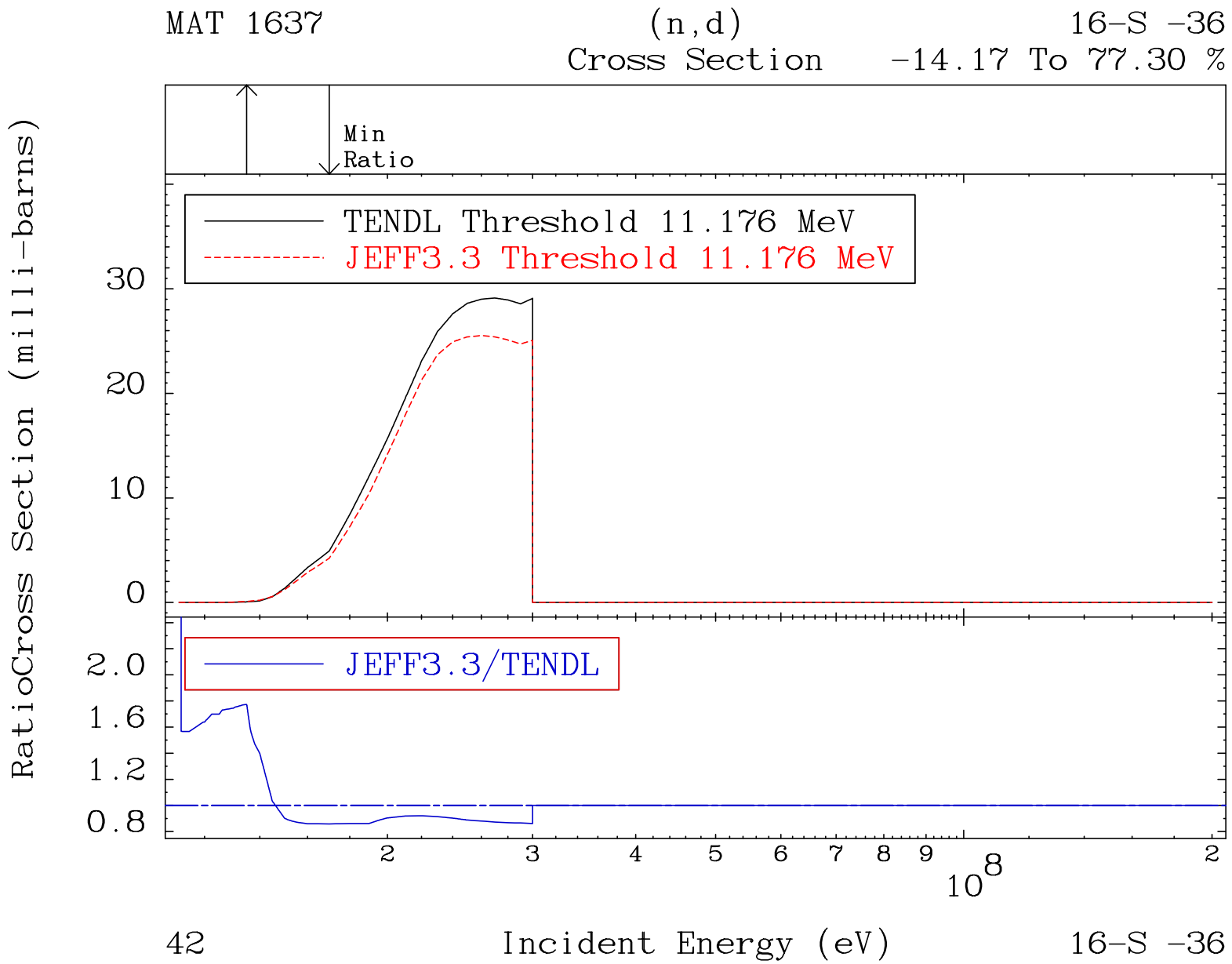

MAT 1637
MT= 70 (n,n') Level
16-S -36
Cross Section 0.000 To 6387. %
Min Ratio
Max Ratio
TENDL Threshold 6.6971 MeV
JEFF3.3 Threshold 6.6971 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^2
10^1
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
16-S -36

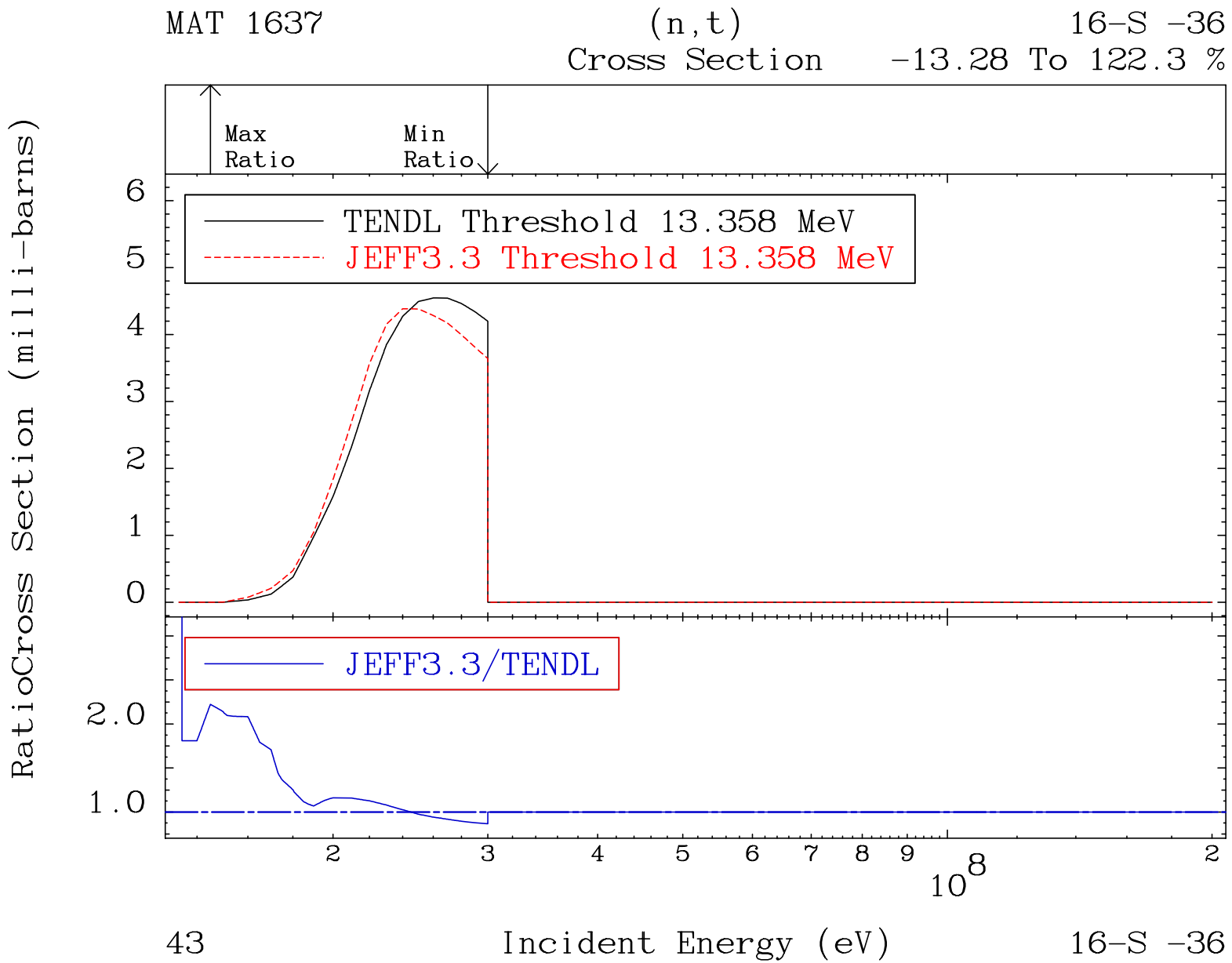

MAT 1637
MT= 71 (n,n') Level
16-S -36
Cross Section -81.64 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.7368 MeV
JEFF3.3 Threshold 6.7368 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
10^4
10^2
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
16-S -36

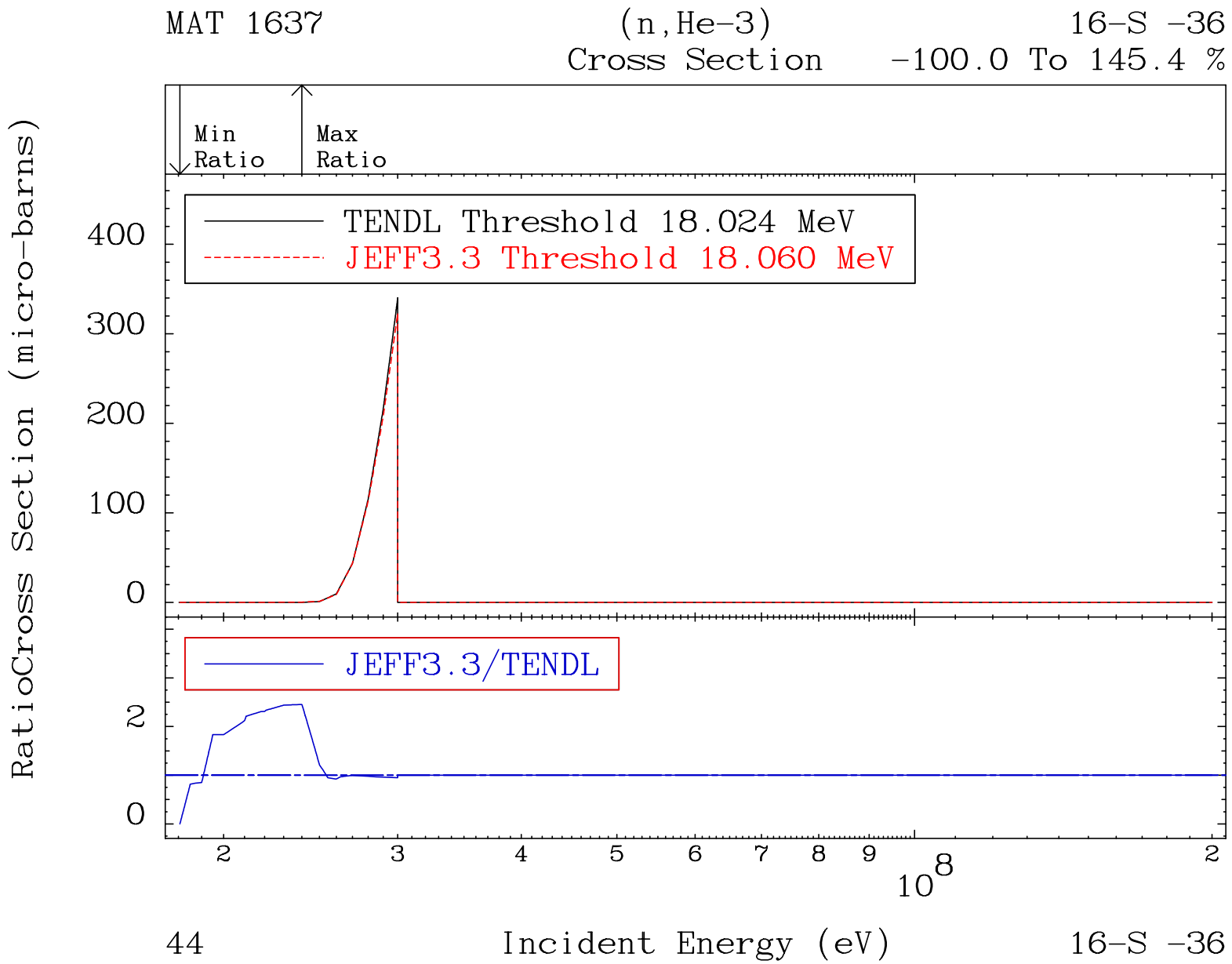

MAT 1637
(n,n') Continuum
Cross Section
16-S -36
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.7368 MeV
JEFF3.3 Threshold 8.0671 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
16-S -36

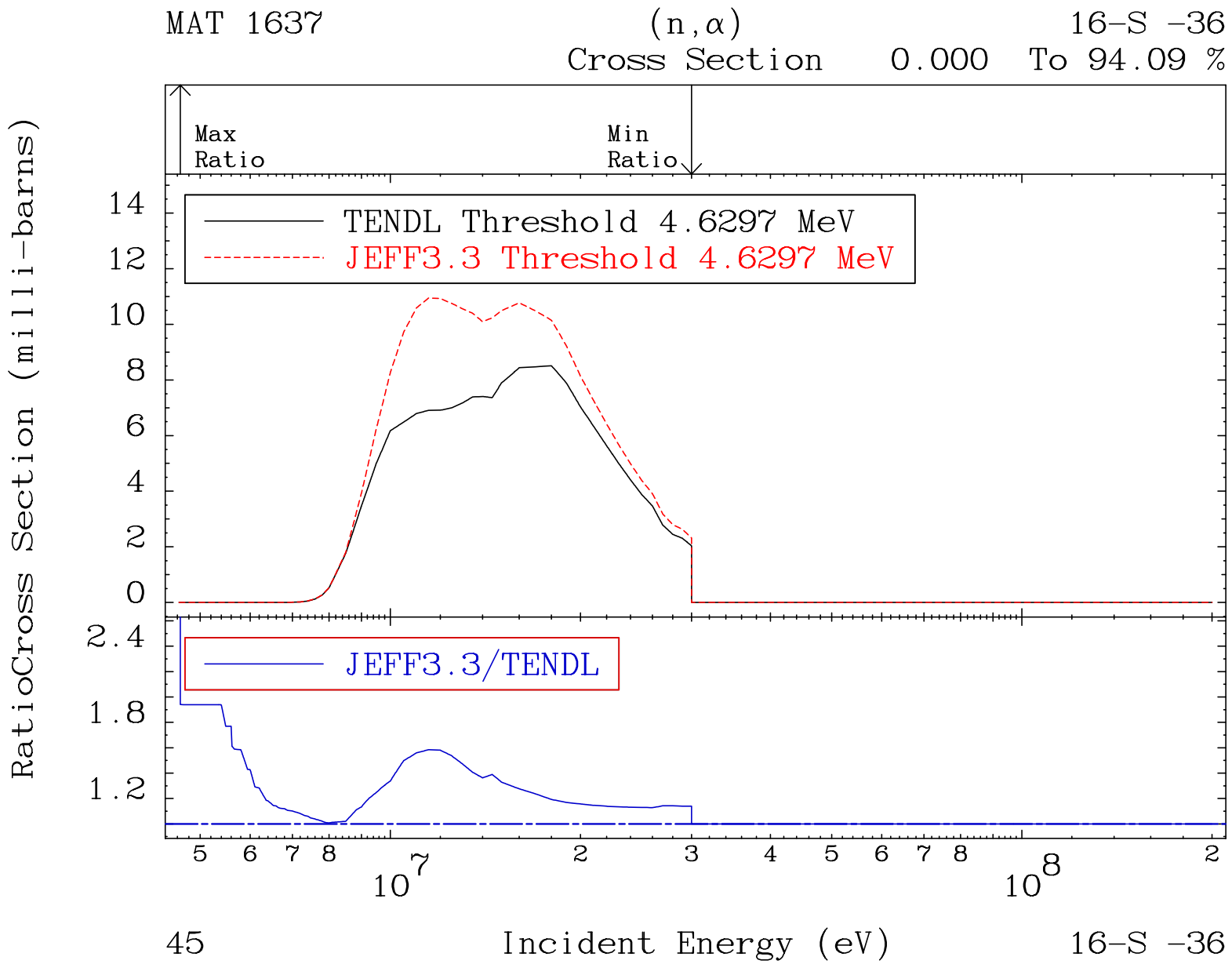

MAT 1637
(n,γ)
16-S -36
Cross Section
-99.63 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
16-S -36

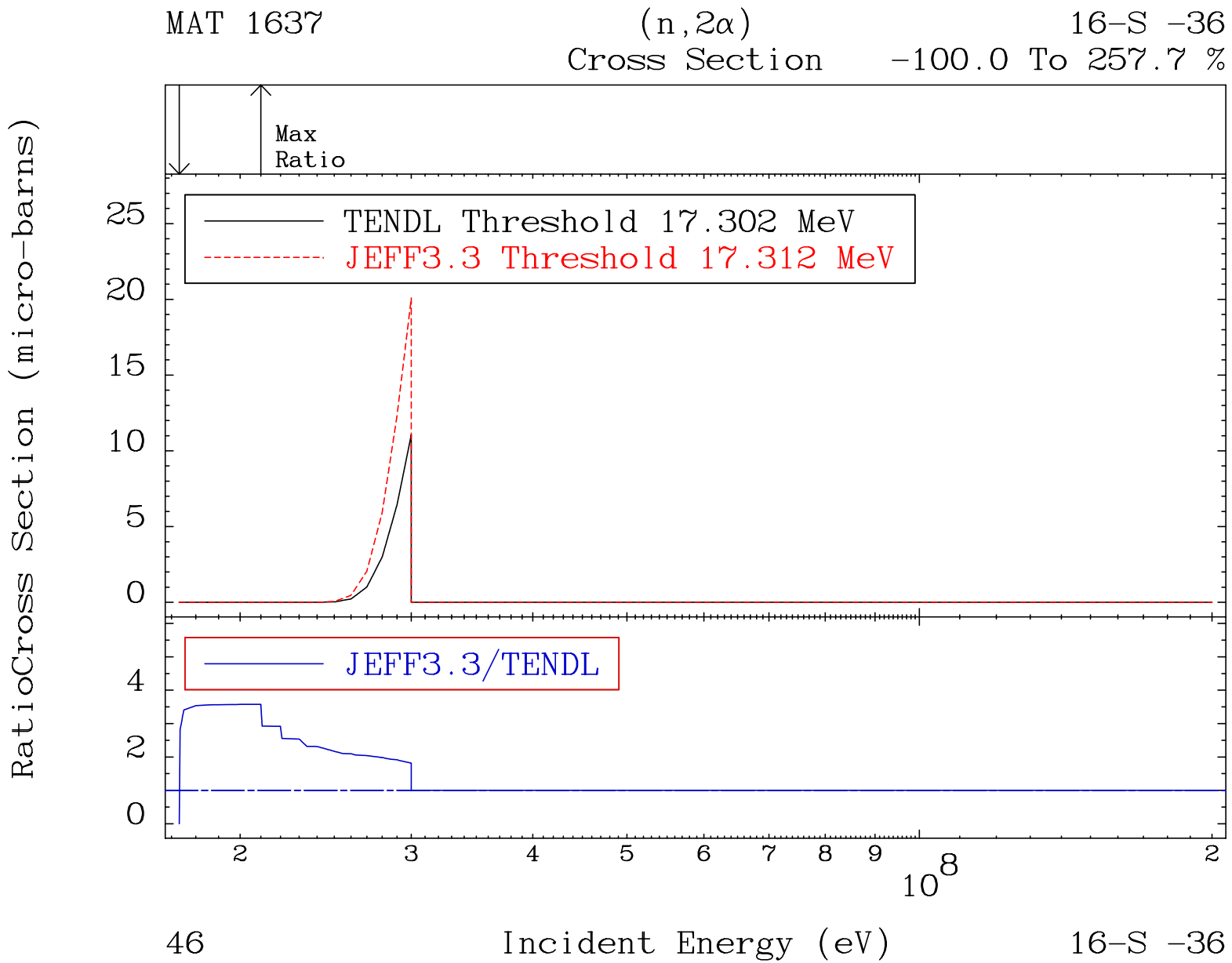

MAT 1637
(n,p)
16-S -36
Cross Section
-39.19 To 71.64 %
Max Ratio
Min Ratio
TENDL Threshold 9.9008 MeV
JEFF3.3 Threshold 9.9008 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
16-S -36

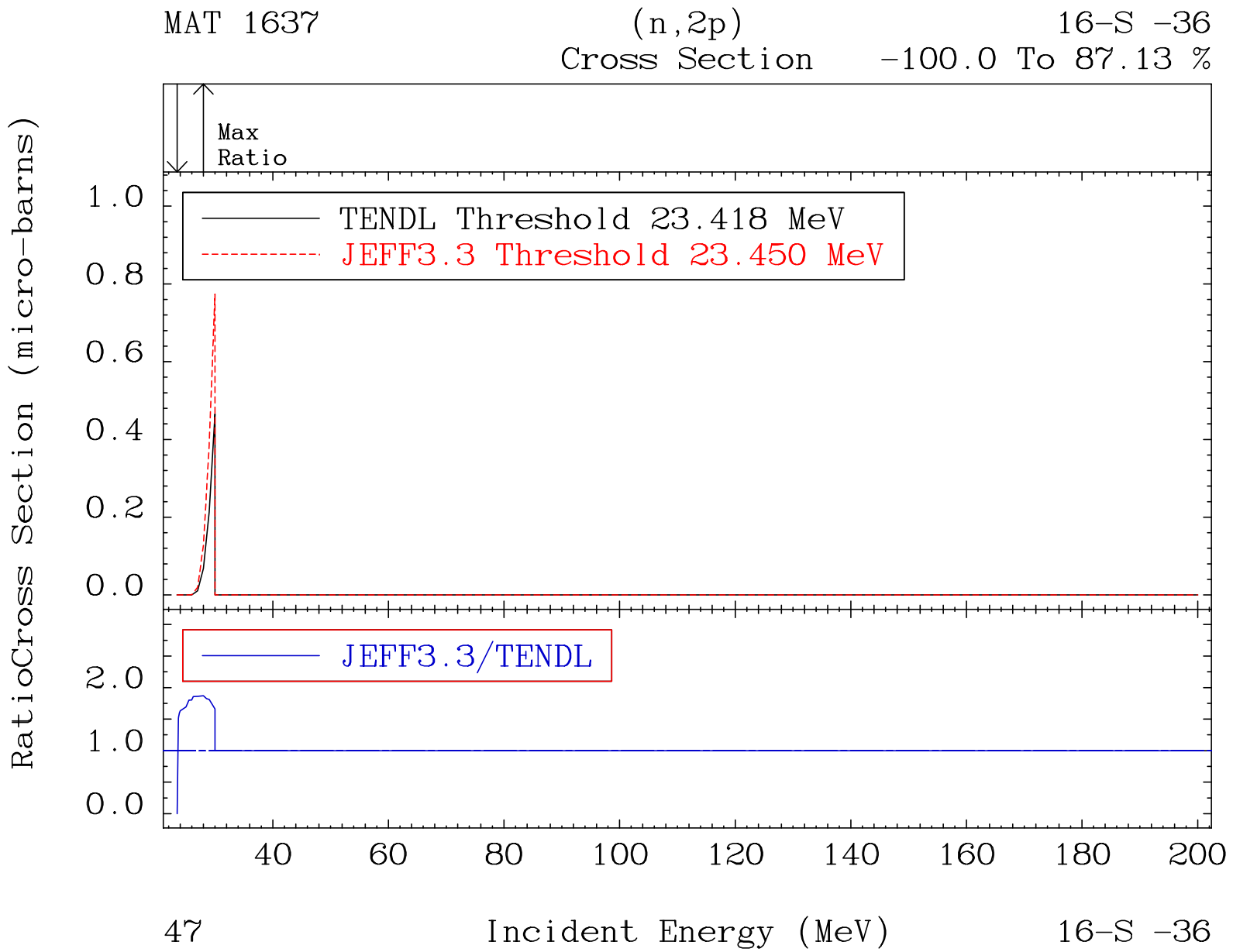

MAT 1637
(n,d)
16-S -36
Cross Section
-14.17 To 77.30 %
Min
Ratio
TENDL Threshold 11.176 MeV
JEFF3.3 Threshold 11.176 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
2
10^8
42
Incident Energy (eV)
16-S -36

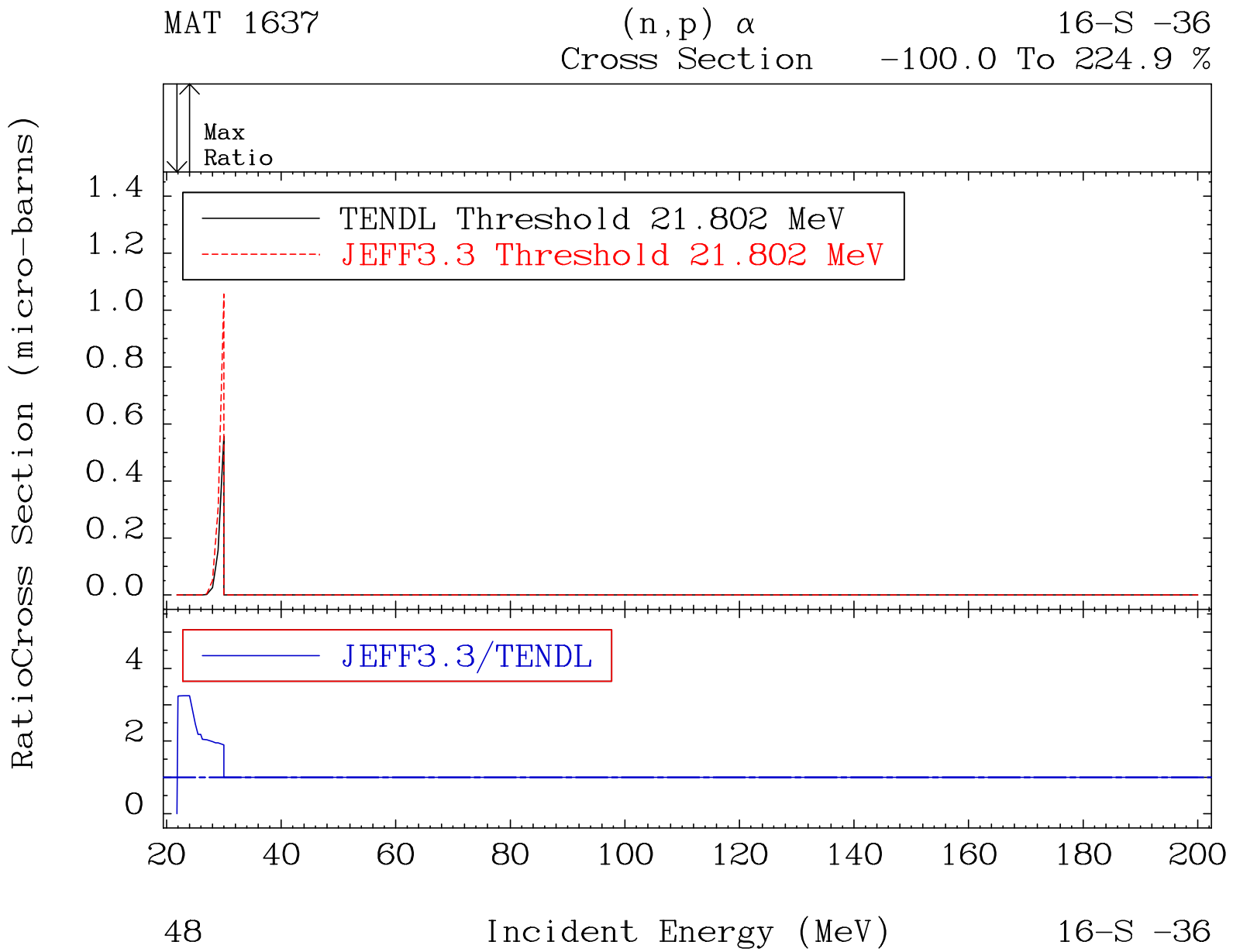

MAT 1637
(n,t)
16-S -36
Cross Section
-13.28 To 122.3 %
Max Ratio
Min Ratio
TENDL Threshold 13.358 MeV
JEFF3.3 Threshold 13.358 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
43
16-S -36

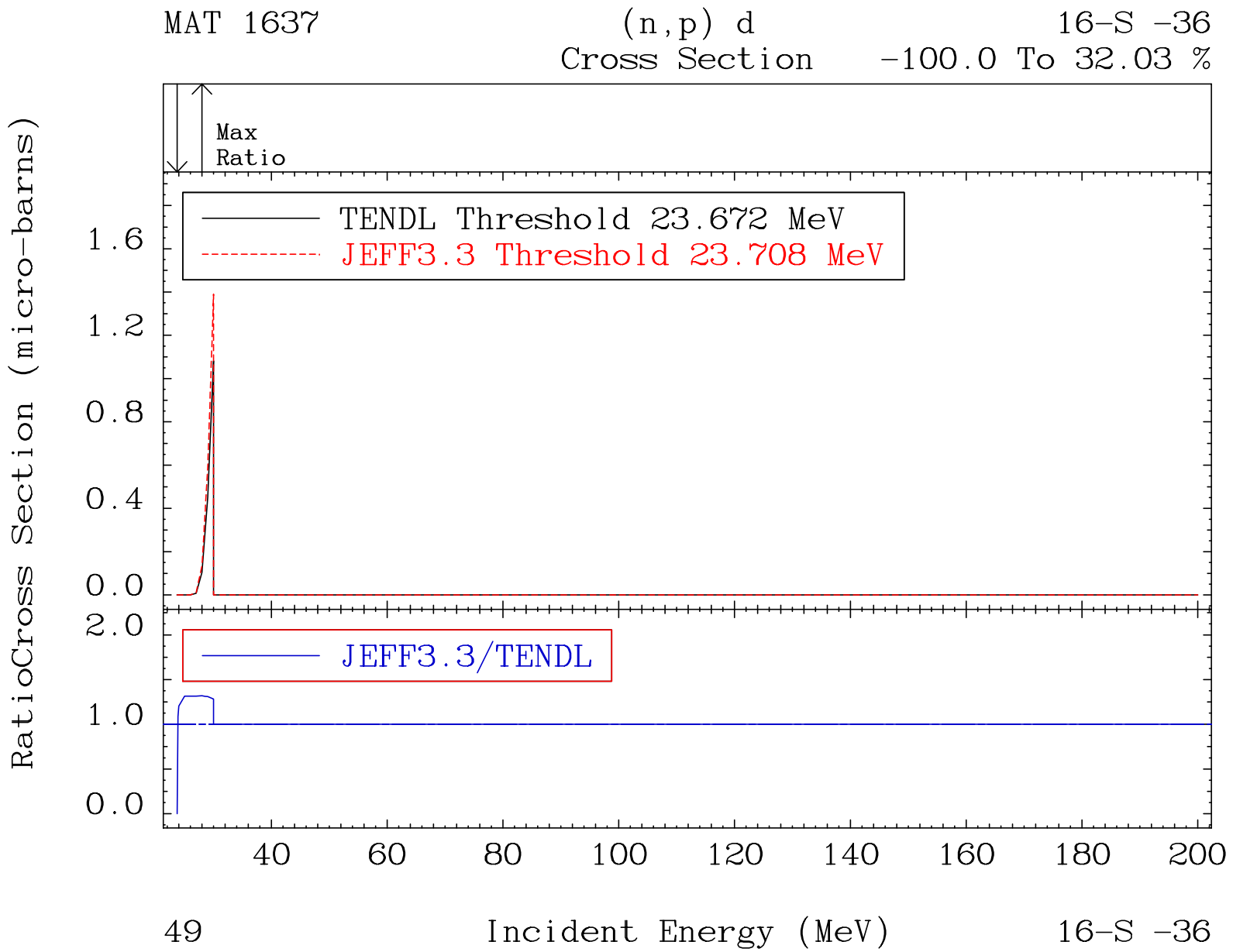

MAT 1637
(n,He-3)
16-S -36
Cross Section
-100.0 To 145.4 %
Min Ratio
Max Ratio
TENDL Threshold 18.024 MeV
JEFF3.3 Threshold 18.060 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
2
0
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
16-S -36

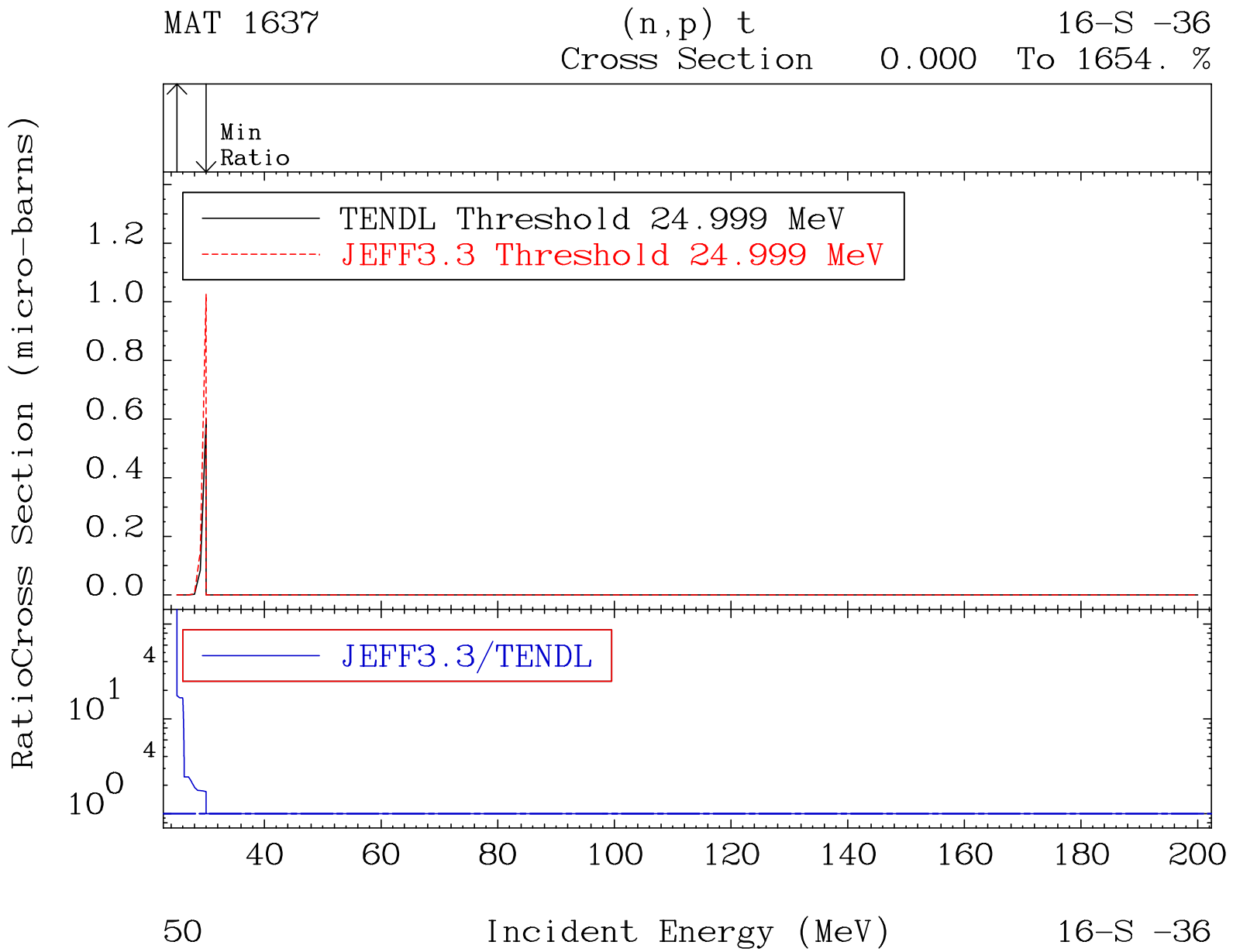

MAT 1637
(n,α)
16-S -36
Cross Section 0.000 To 94.09 %
Max Ratio
Min Ratio
TENDL Threshold 4.6297 MeV
JEFF3.3 Threshold 4.6297 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
2.4
1.8
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
16-S -36

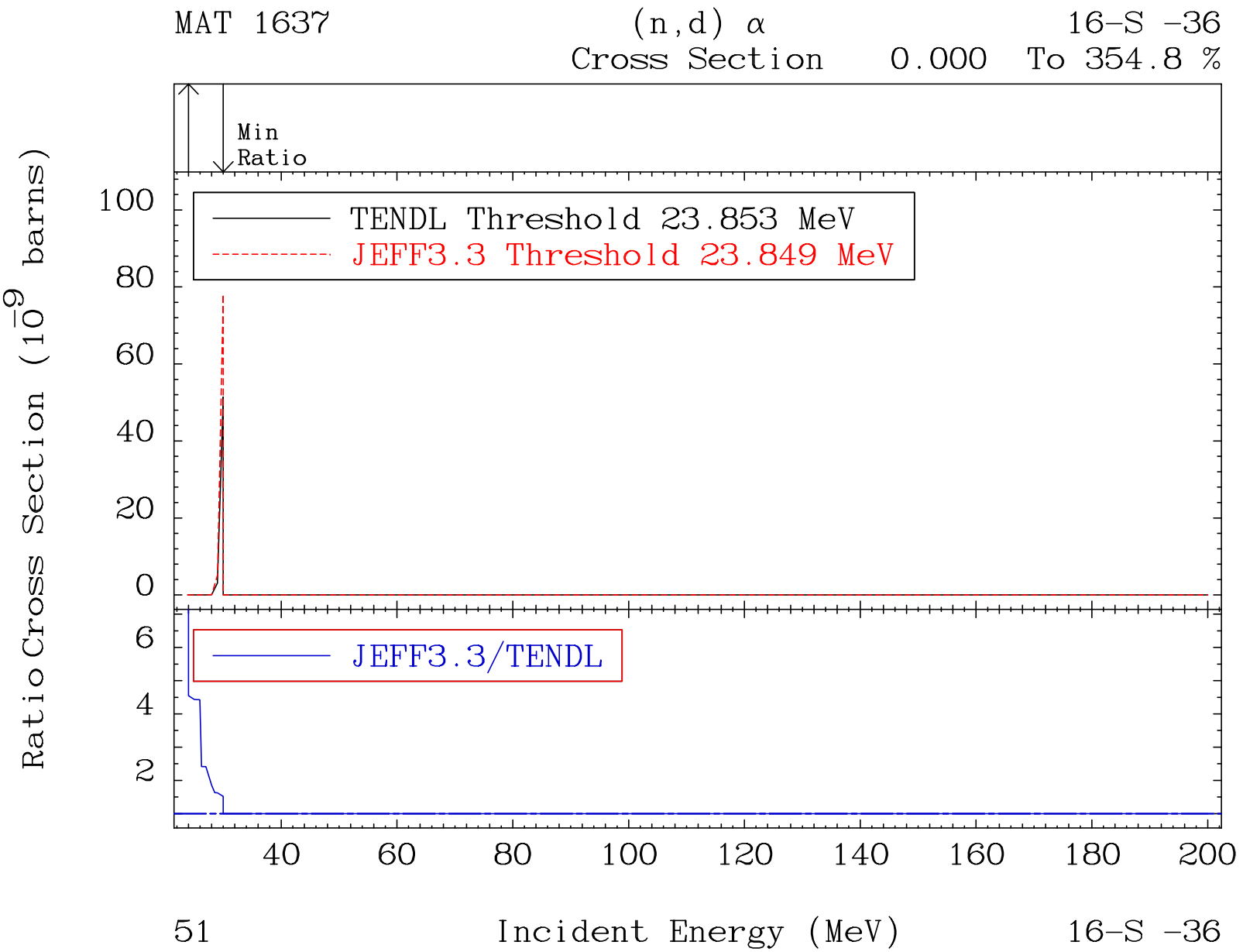

MAT 1637
(n,2α)
16-S -36
Cross Section
-100.0 To 257.7 %
Max
Ratio
TENDL Threshold 17.302 MeV
JEFF3.3 Threshold 17.312 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
25
20
15
10
5
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
16-S -36

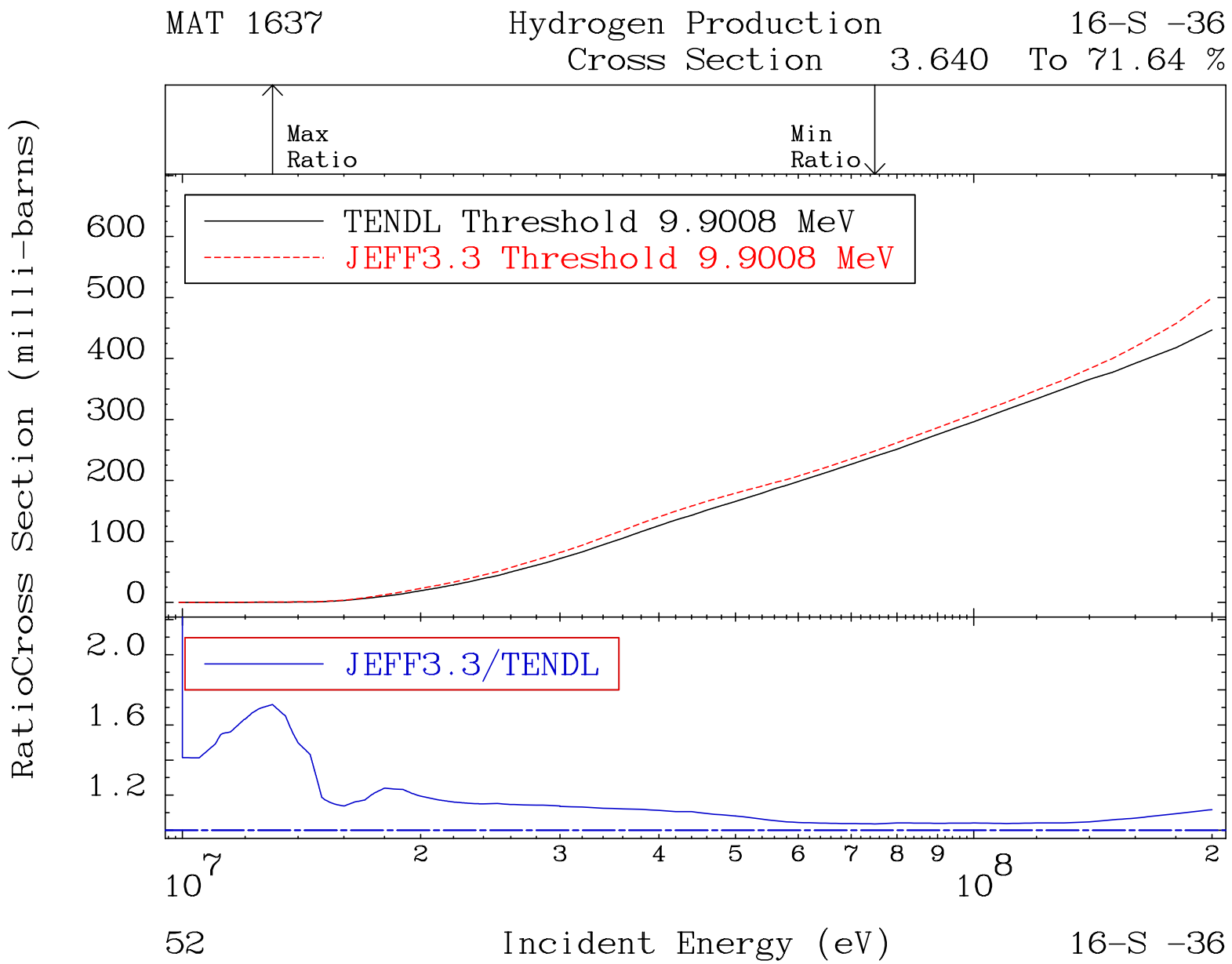

MAT 1637
(n,2p)
16-S -36
Cross Section
-100.0 To 87.13 %
Max
Ratio
TENDL Threshold 23.418 MeV
JEFF3.3 Threshold 23.450 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
40
60
80
100
120
140
160
180
200
47
Incident Energy (MeV)
16-S -36

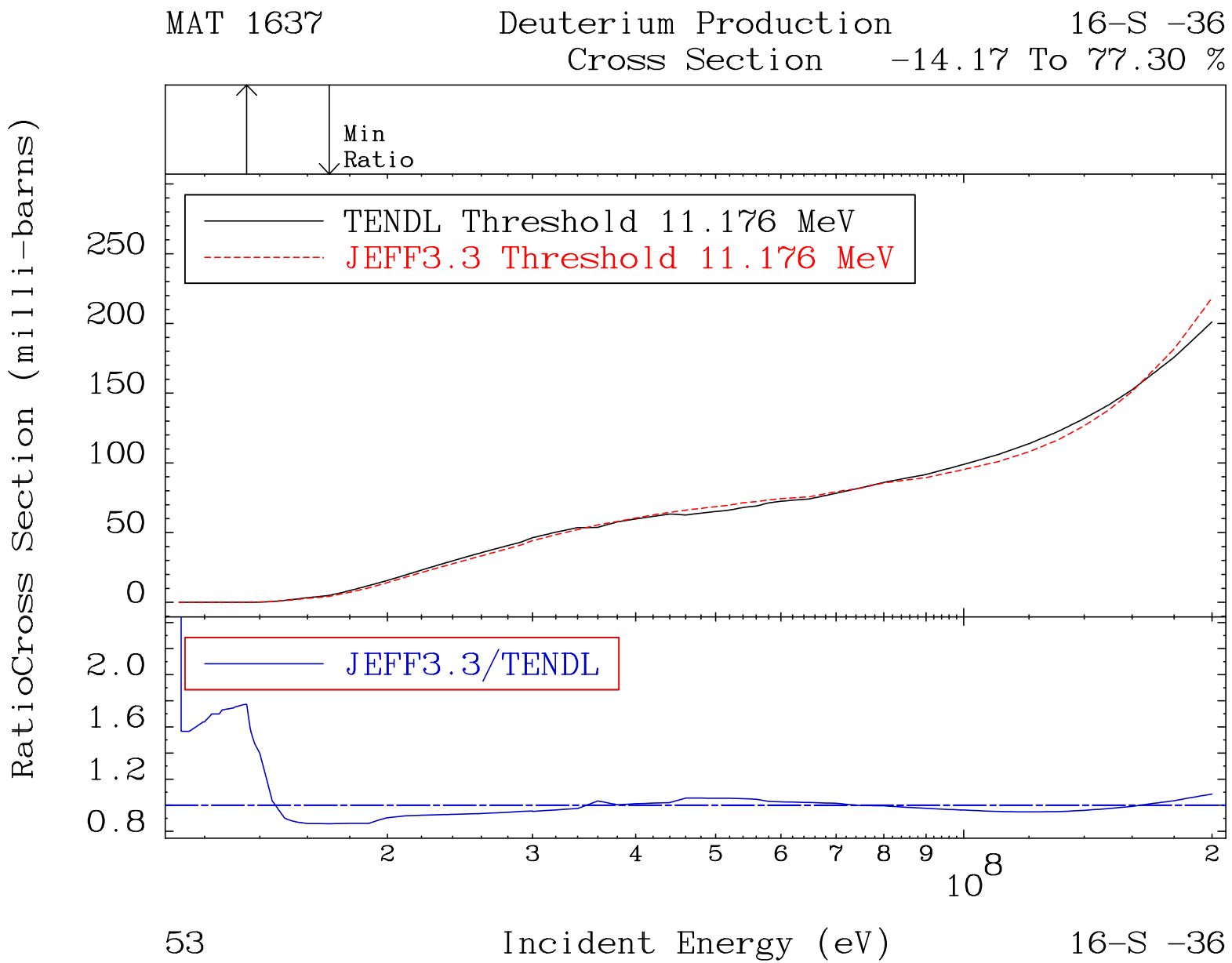

MAT 1637
(n,p) α
16-S -36
Cross Section
-100.0 To 224.9 %
Max
Ratio
TENDL Threshold 21.802 MeV
JEFF3.3 Threshold 21.802 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4
2
0
20
40
60
80
100
120
140
160
180
200
48
Incident Energy (MeV)
16-S -36

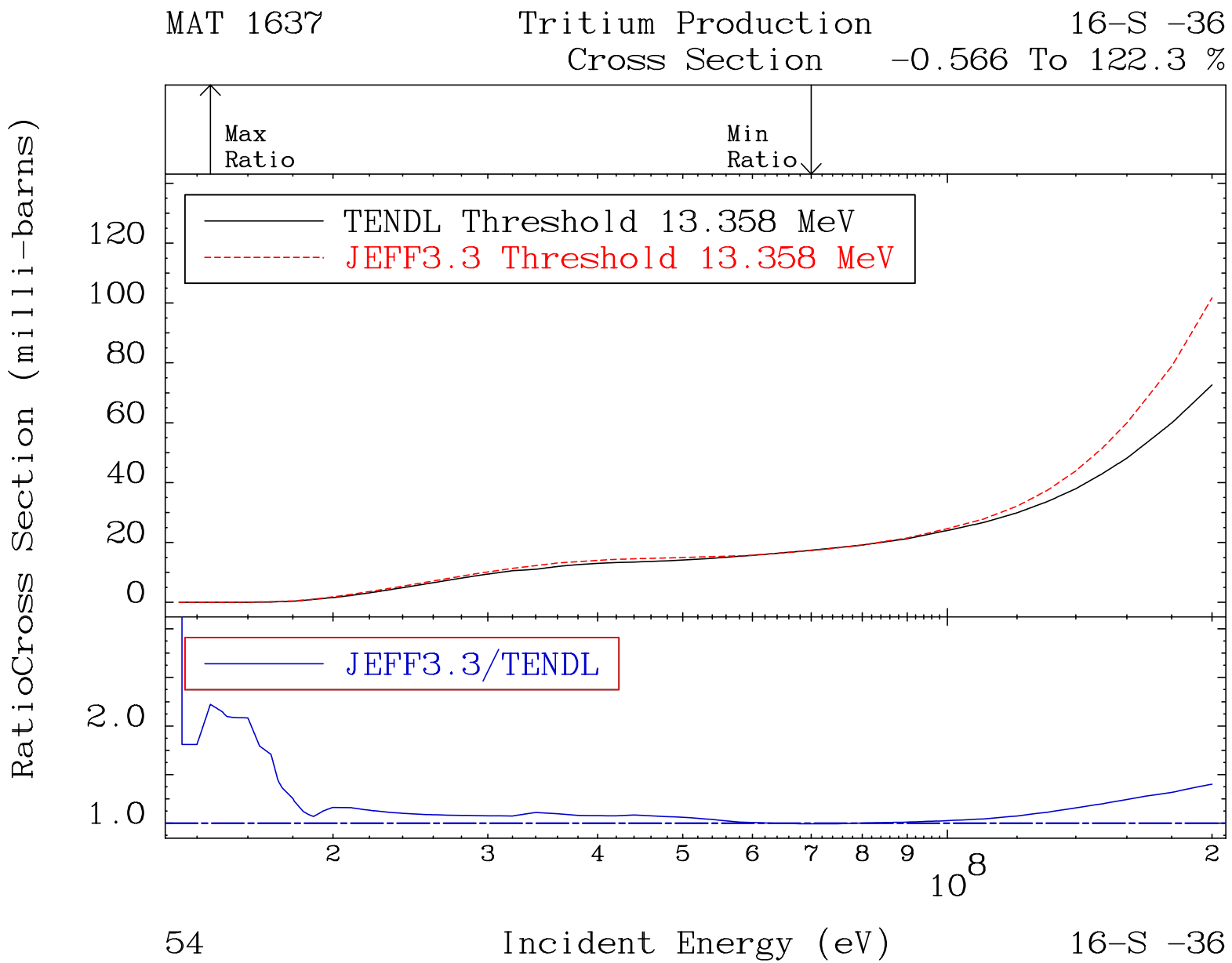

MAT 1637
(n,p) d
Cross Section
16-S -36
-100.0 To 32.03 %
Max
Ratio
TENDL Threshold 23.672 MeV
JEFF3.3 Threshold 23.708 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
40
60
80
100
120
140
160
180
200
49
Incident Energy (MeV)
16-S -36

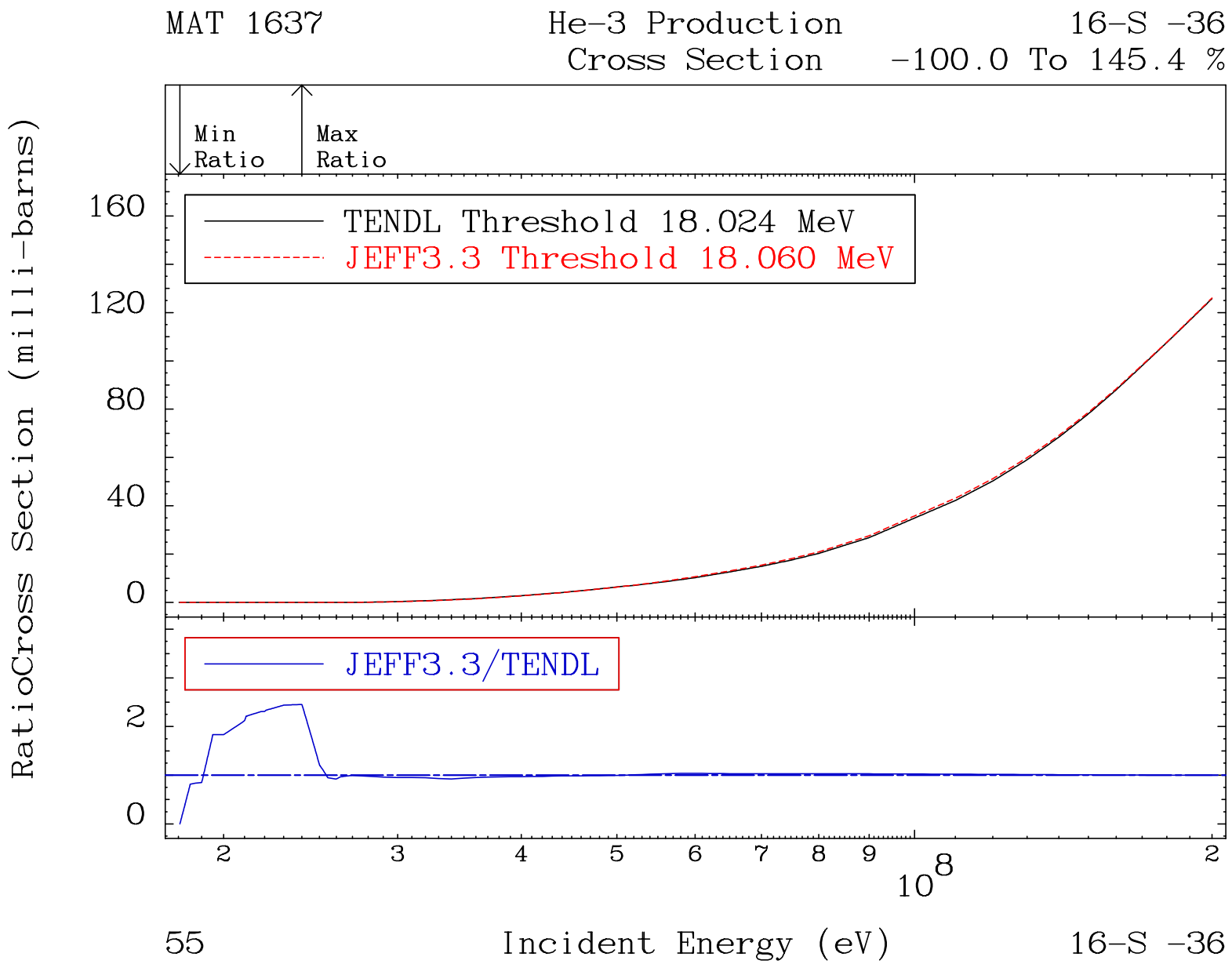

MAT 1637
(n,p) t
16-S -36
Cross Section 0.000 To 1654. %
Min
Ratio
TENDL Threshold 24.999 MeV
JEFF3.3 Threshold 24.999 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4
10^1
4
10^0
40
60
80
100
120
140
160
180
200
50
Incident Energy (MeV)
16-S -36

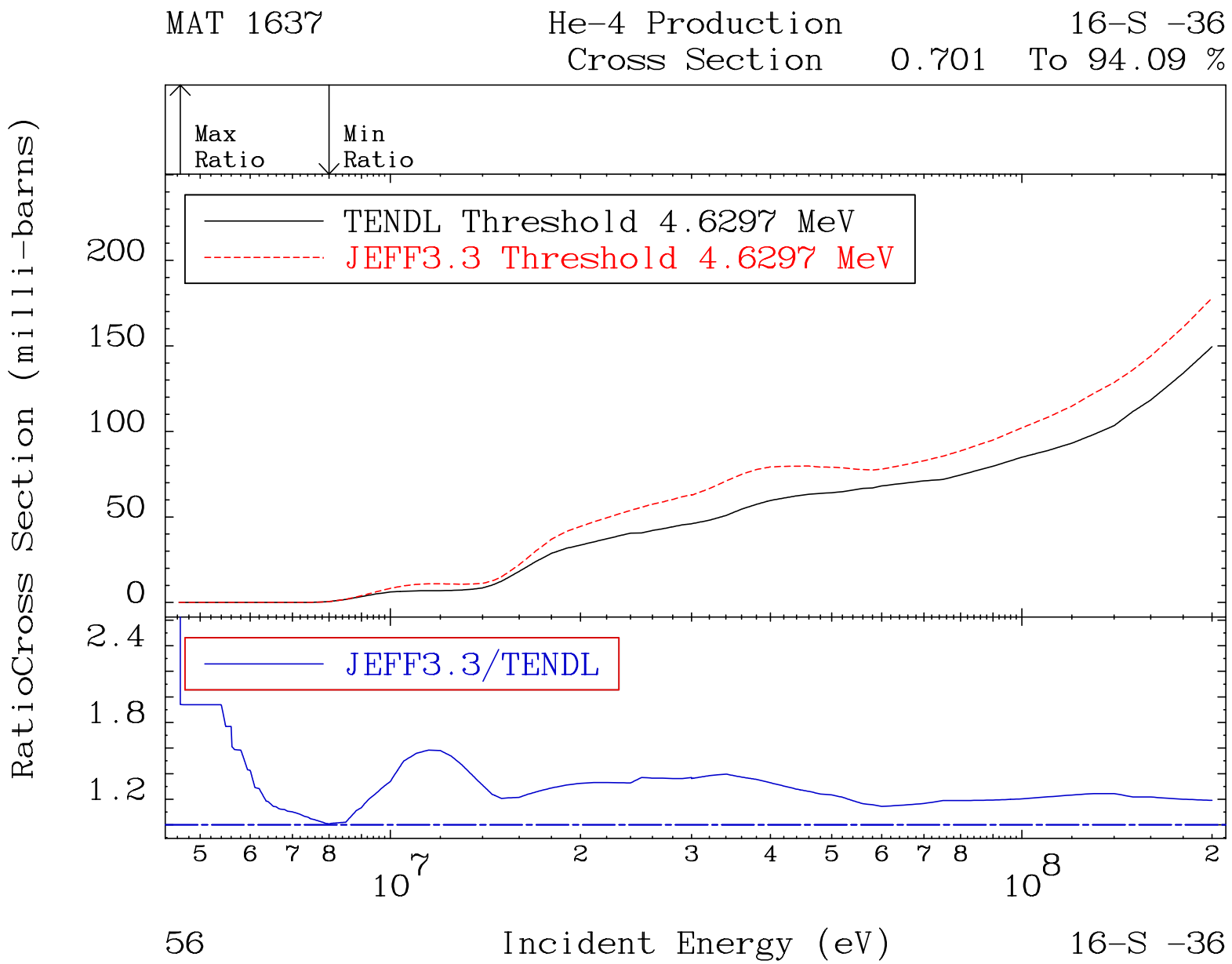

MAT 1637
(n,d) α
16-S -36
Cross Section 0.000 To 354.8 %
Min
Ratio
100
80
60
40
20
0
TENDL Threshold 23.853 MeV
JEFF3.3 Threshold 23.849 MeV
6
4
2
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
40
60
80
100
120
140
160
180
200
51
Incident Energy (MeV)
16-S -36

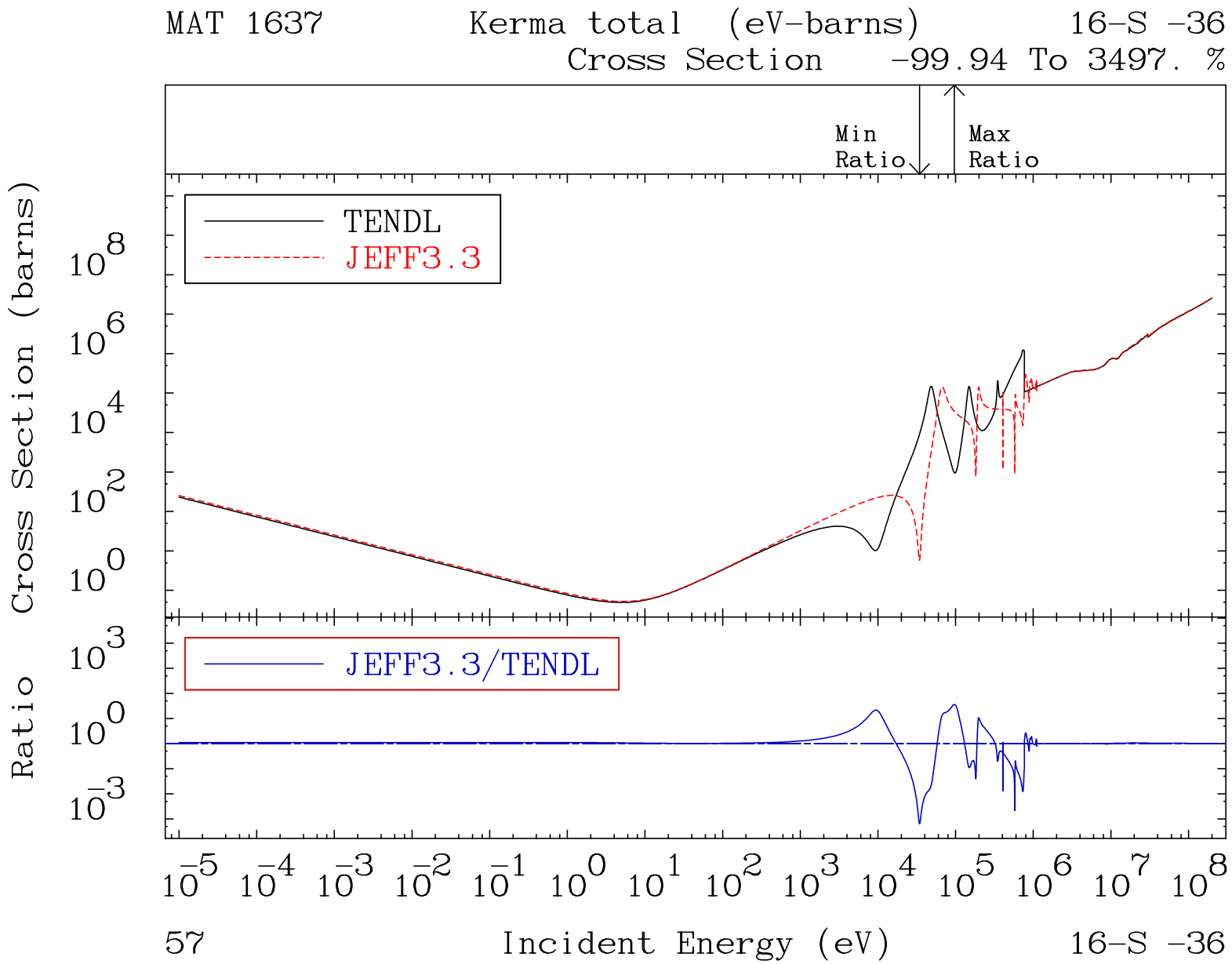

MAT 1637
Hydrogen Production
16-S -36
Cross Section 3.640 To 71.64 %
Max Ratio
Min Ratio
TENDL Threshold 9.9008 MeV
JEFF3.3 Threshold 9.9008 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
2.0
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
16-S -36

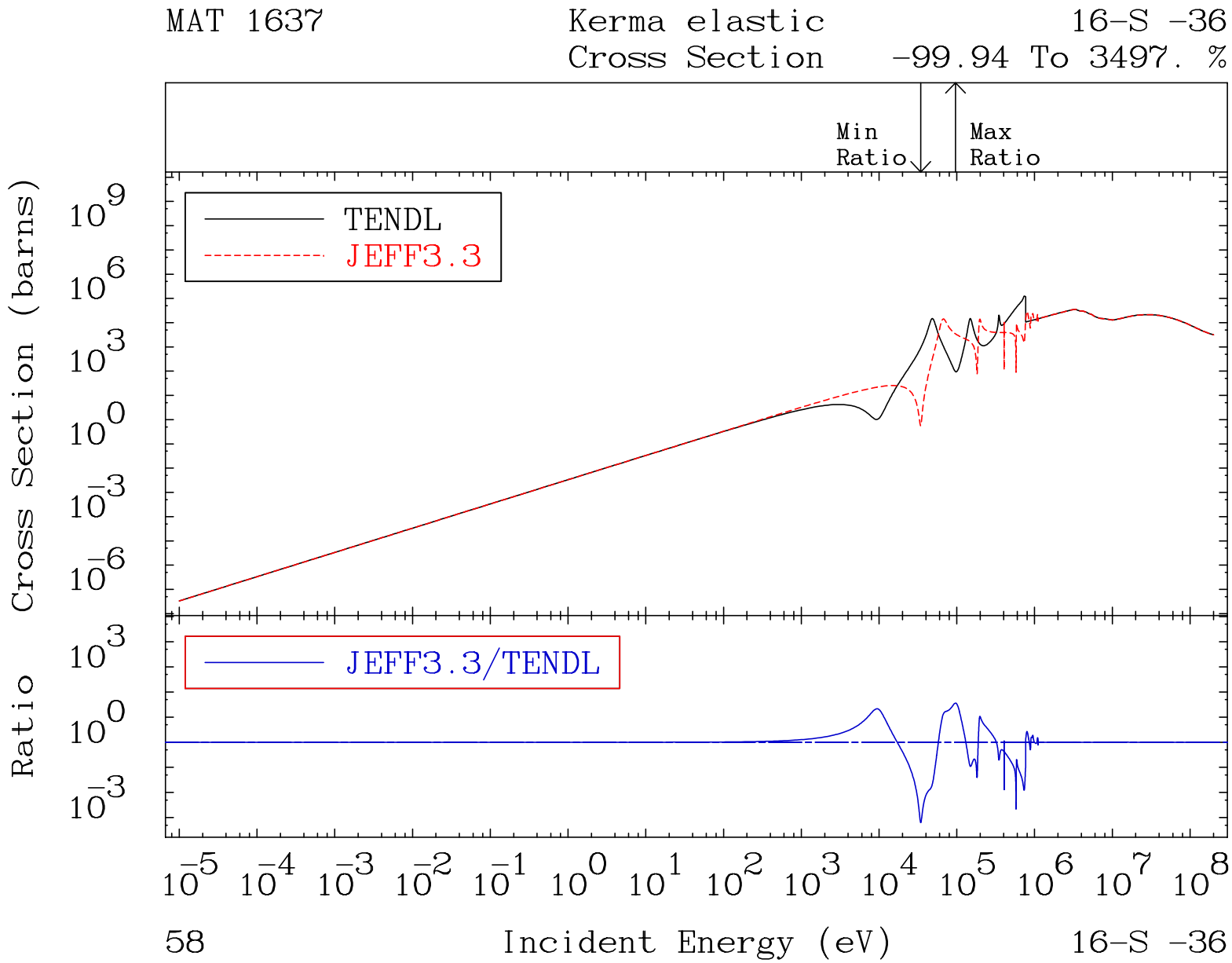

MAT 1637
Deuterium Production
16-S -36
Cross Section
-14.17 To 77.30 %
Min
Ratio
TENDL Threshold 11.176 MeV
JEFF3.3 Threshold 11.176 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
16-S -36

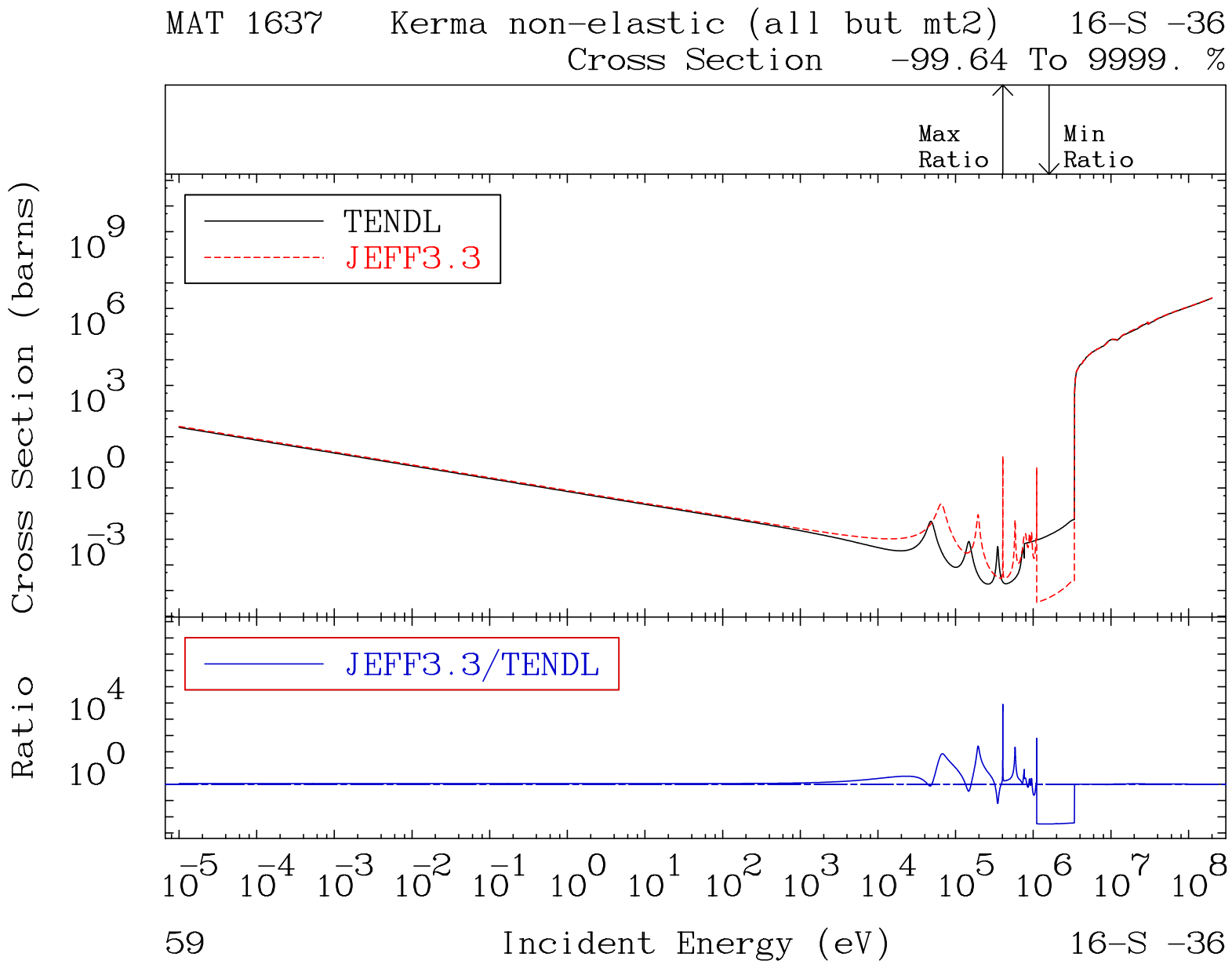

MAT 1637
Tritium Production
16-S -36
Cross Section
-0.566 To 122.3 %
Max Ratio
Min Ratio
TENDL Threshold 13.358 MeV
JEFF3.3 Threshold 13.358 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
16-S -36

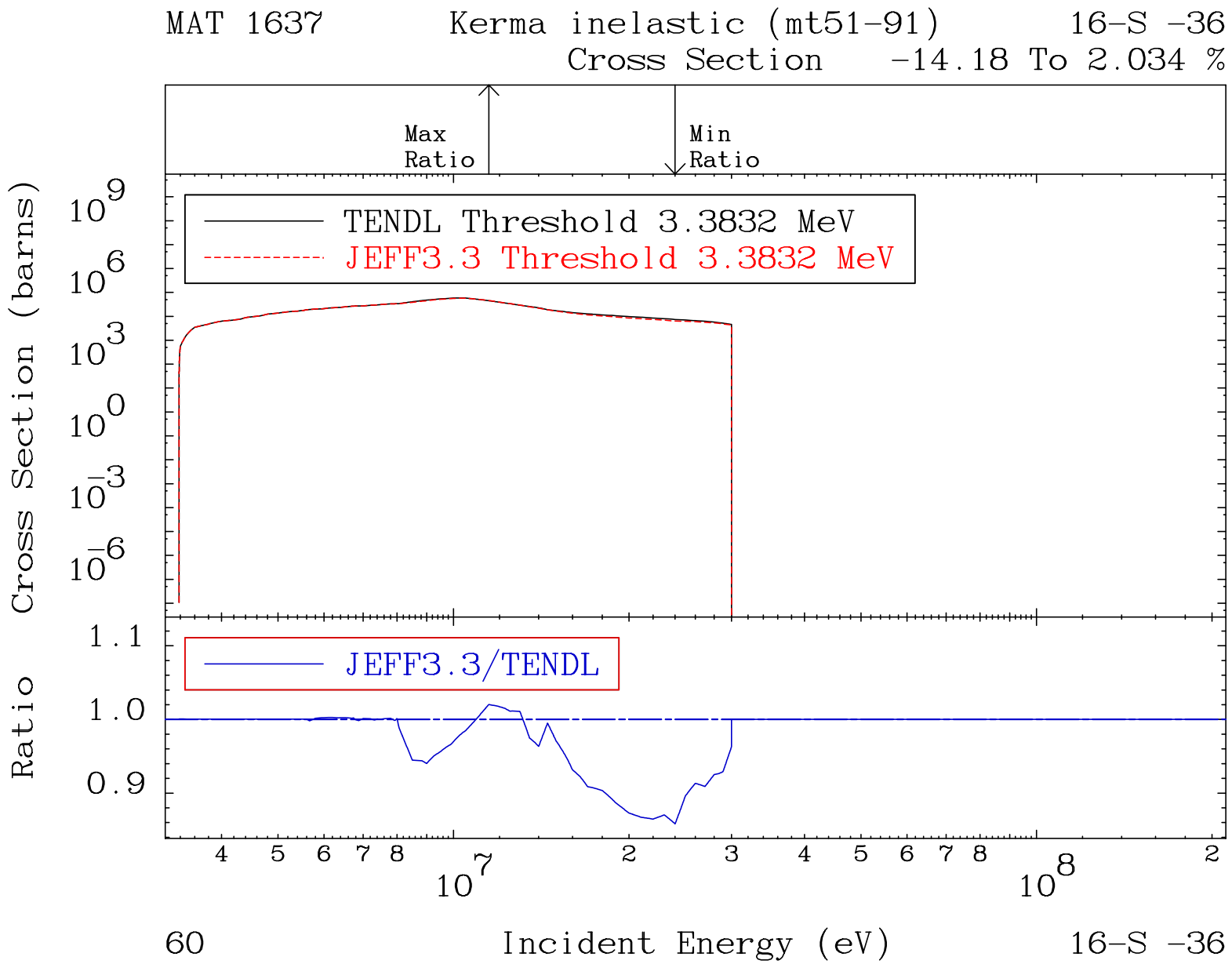

MAT 1637
He-3 Production
Cross Section
16-S -36
-100.0 To 145.4 %
Min Ratio
Max Ratio
TENDL Threshold 18.024 MeV
JEFF3.3 Threshold 18.060 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2
0
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
16-S -36

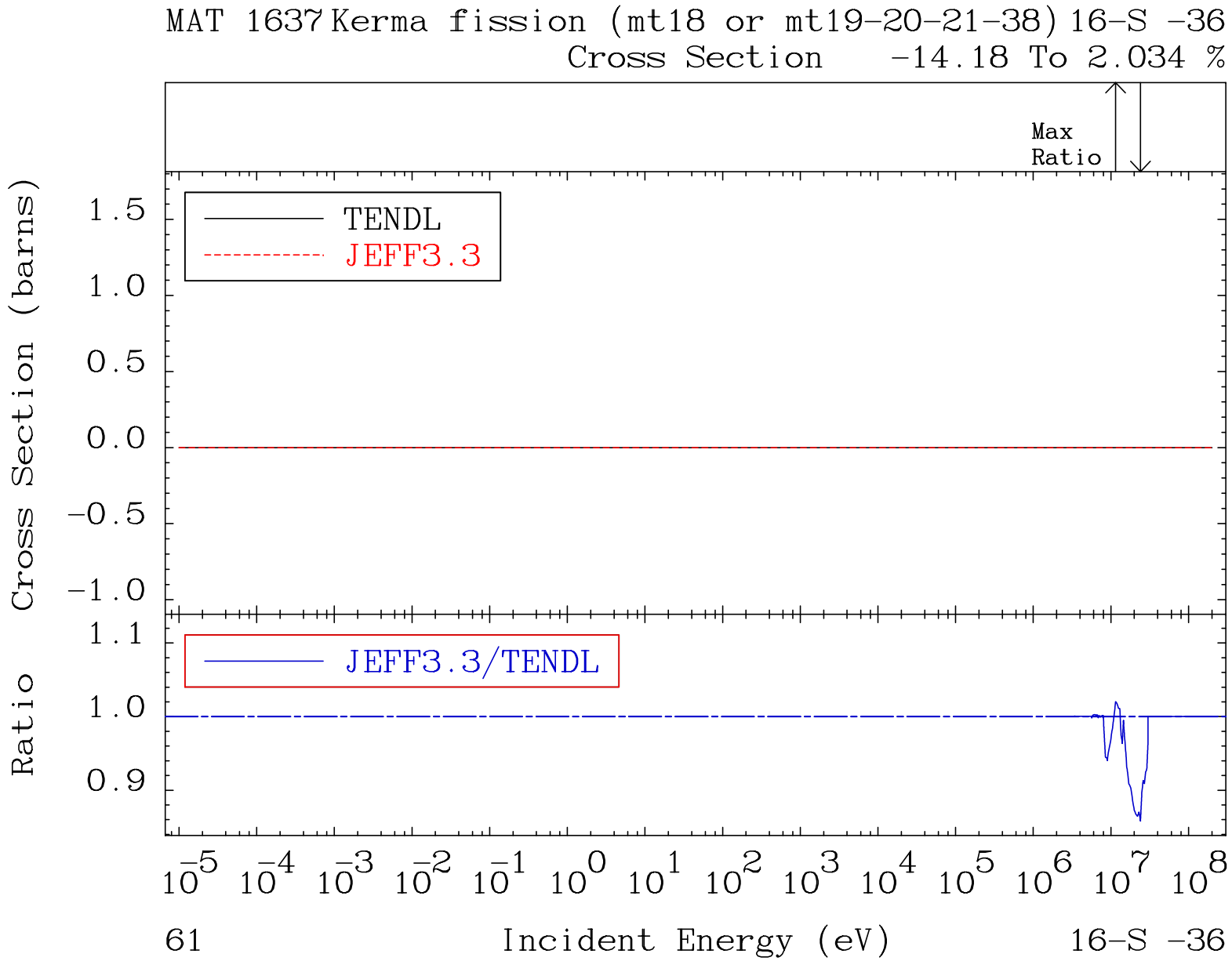

MAT 1637
He-4 Production
Cross Section
16-S -36
0.701 To 94.09 %
Max Ratio
Min Ratio
TENDL Threshold 4.6297 MeV
JEFF3.3 Threshold 4.6297 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.4
1.8
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
56
Incident Energy (eV)
16-S -36

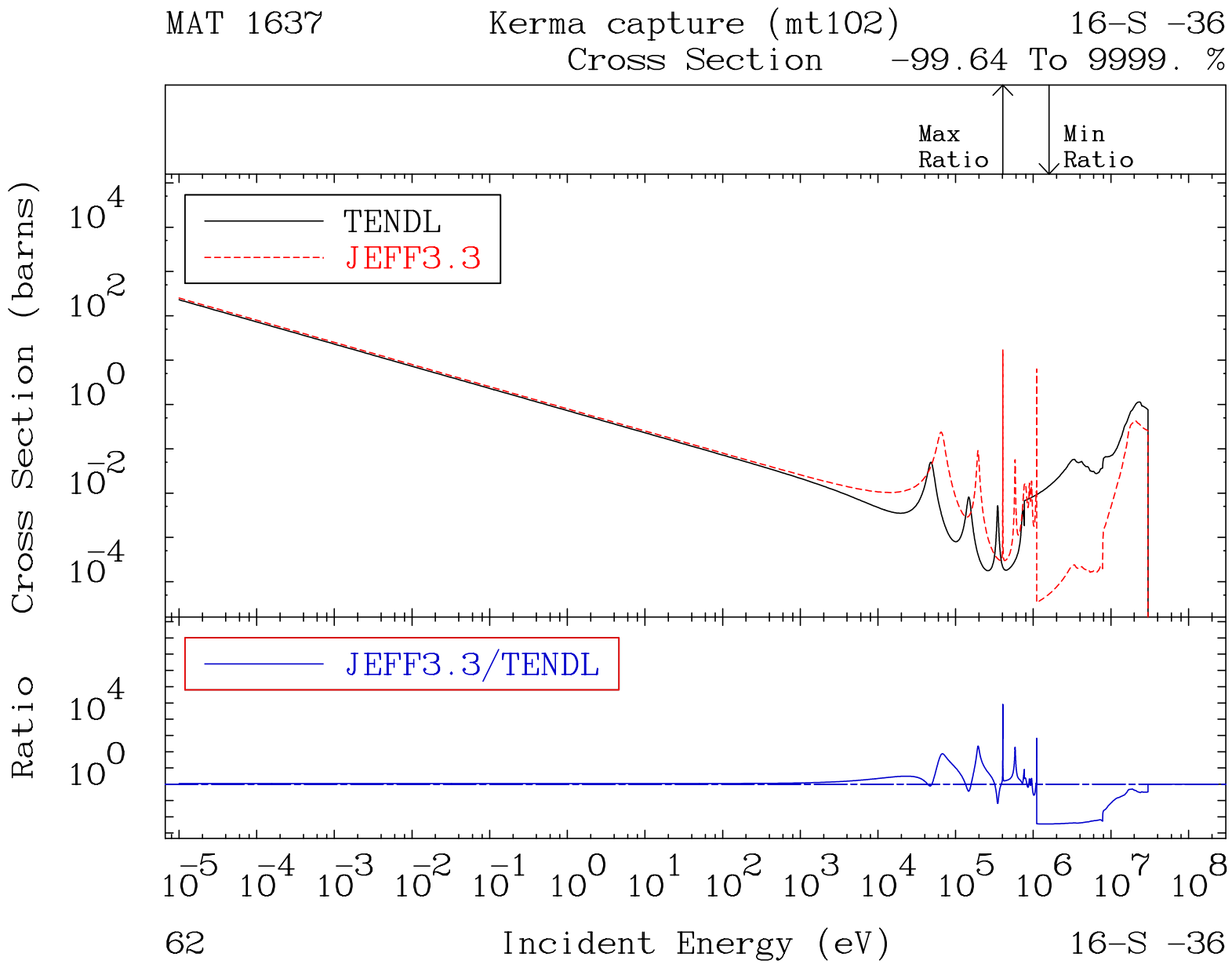

MAT 1637
Kerma total (eV-barns)
16-S -36
Cross Section -99.94 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
16-S -36

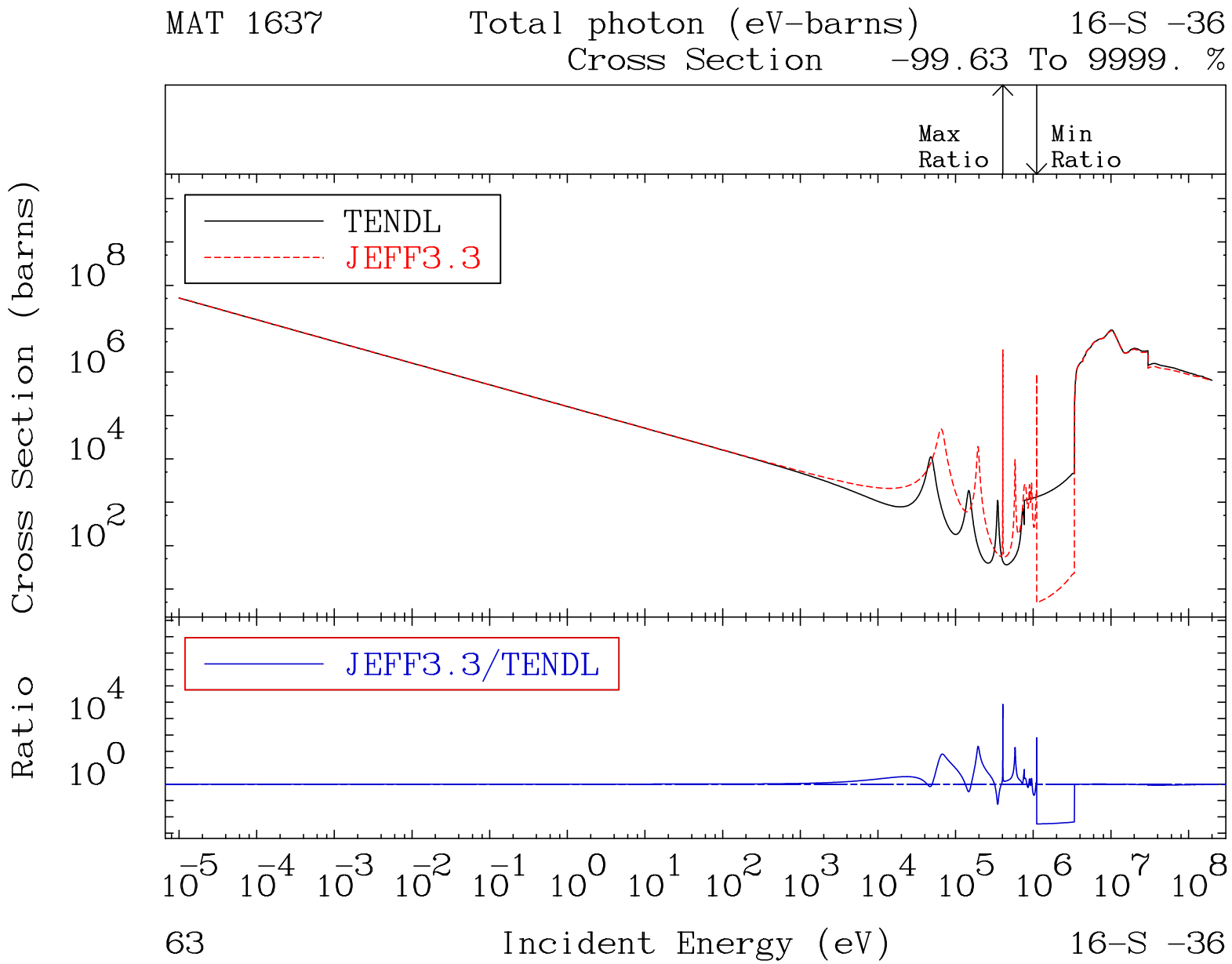

MAT 1637
Kerma elastic
Cross Section
16-S -36
-99.94 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
16-S -36

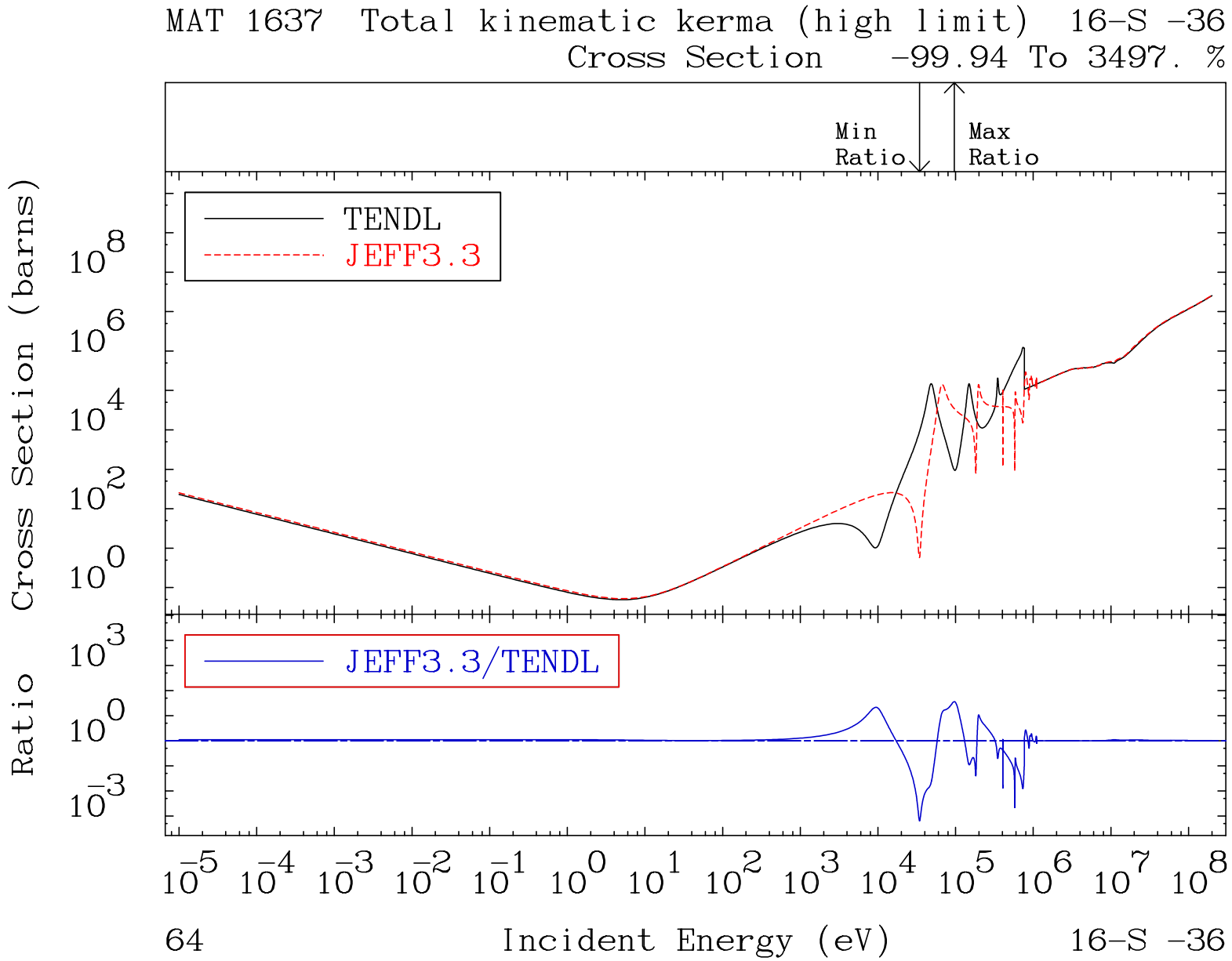

MAT 1637 Kerma non-elastic (all but mt2) 16-S -36
Cross Section -99.64 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
16-S -36

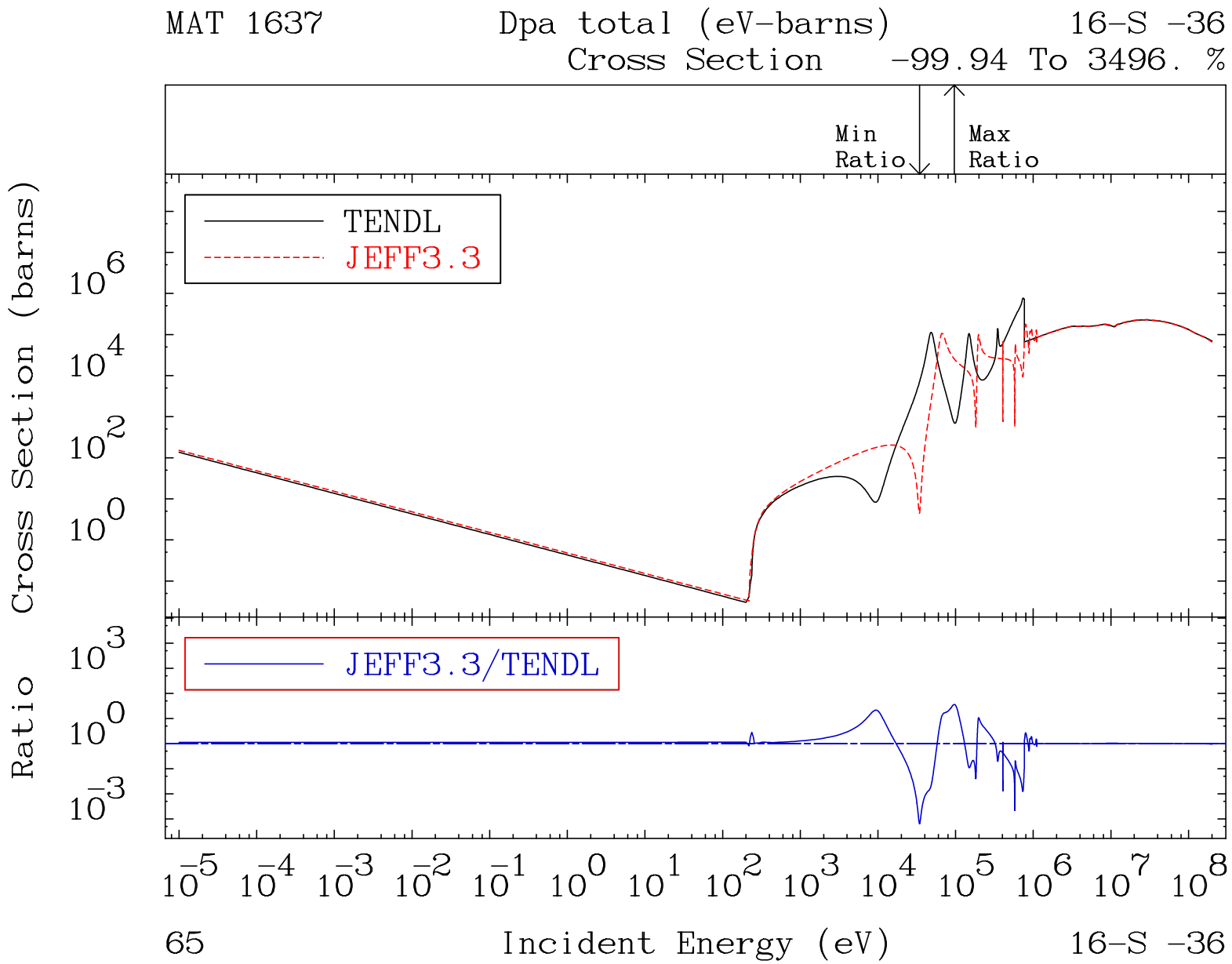

MAT 1637
Kerma inelastic (mt51-91)
16-S -36
Cross Section -14.18 To 2.034 %
Max Ratio
Min Ratio
TENDL Threshold 3.3832 MeV
JEFF3.3 Threshold 3.3832 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
16-S -36

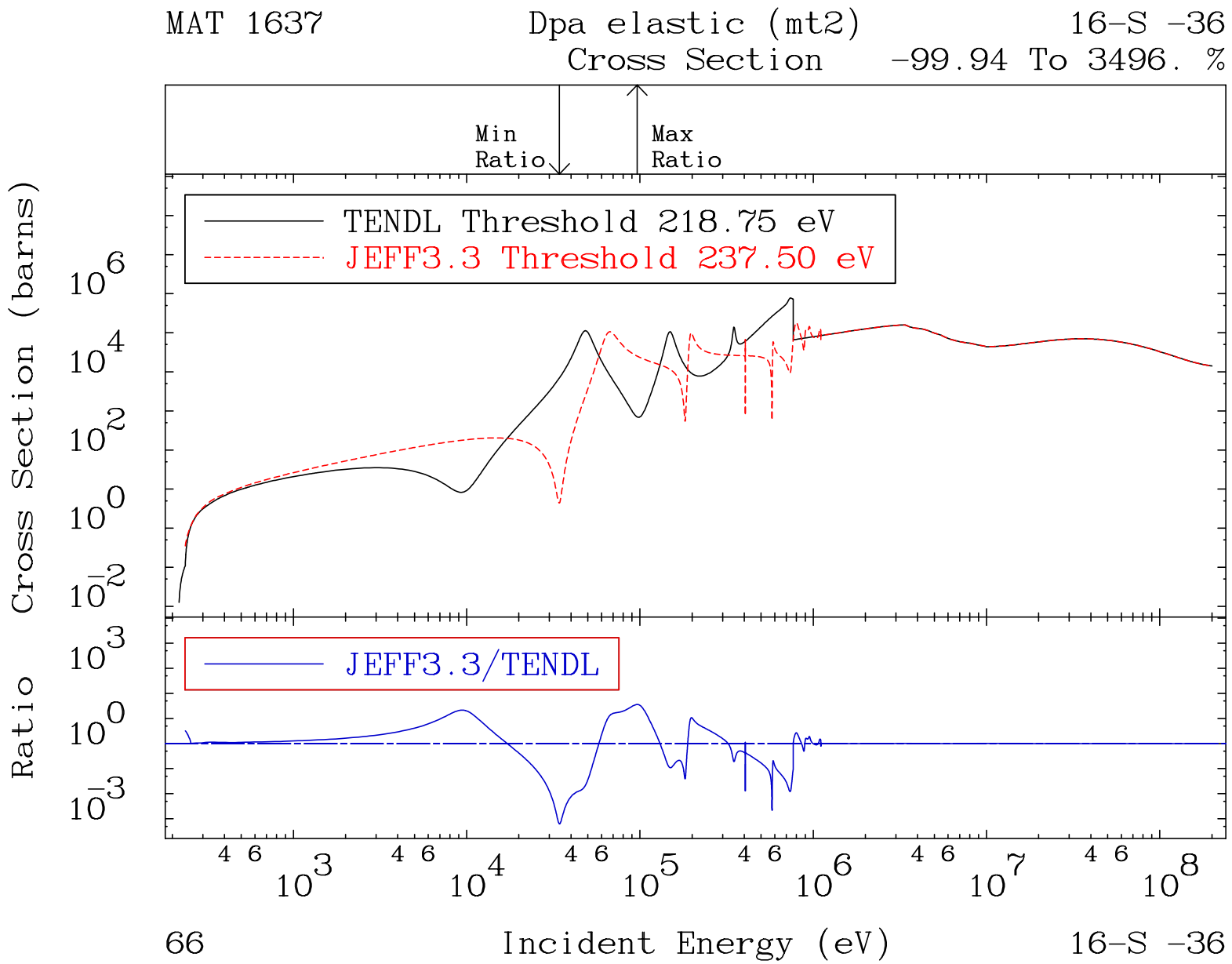

MAT 1637 Kerma fission (mt18 or mt19-20-21-38) 16-S -36
Cross Section -14.18 To 2.034 %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.1
1.0
0.9
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
61
Incident Energy (eV)
16-S -36

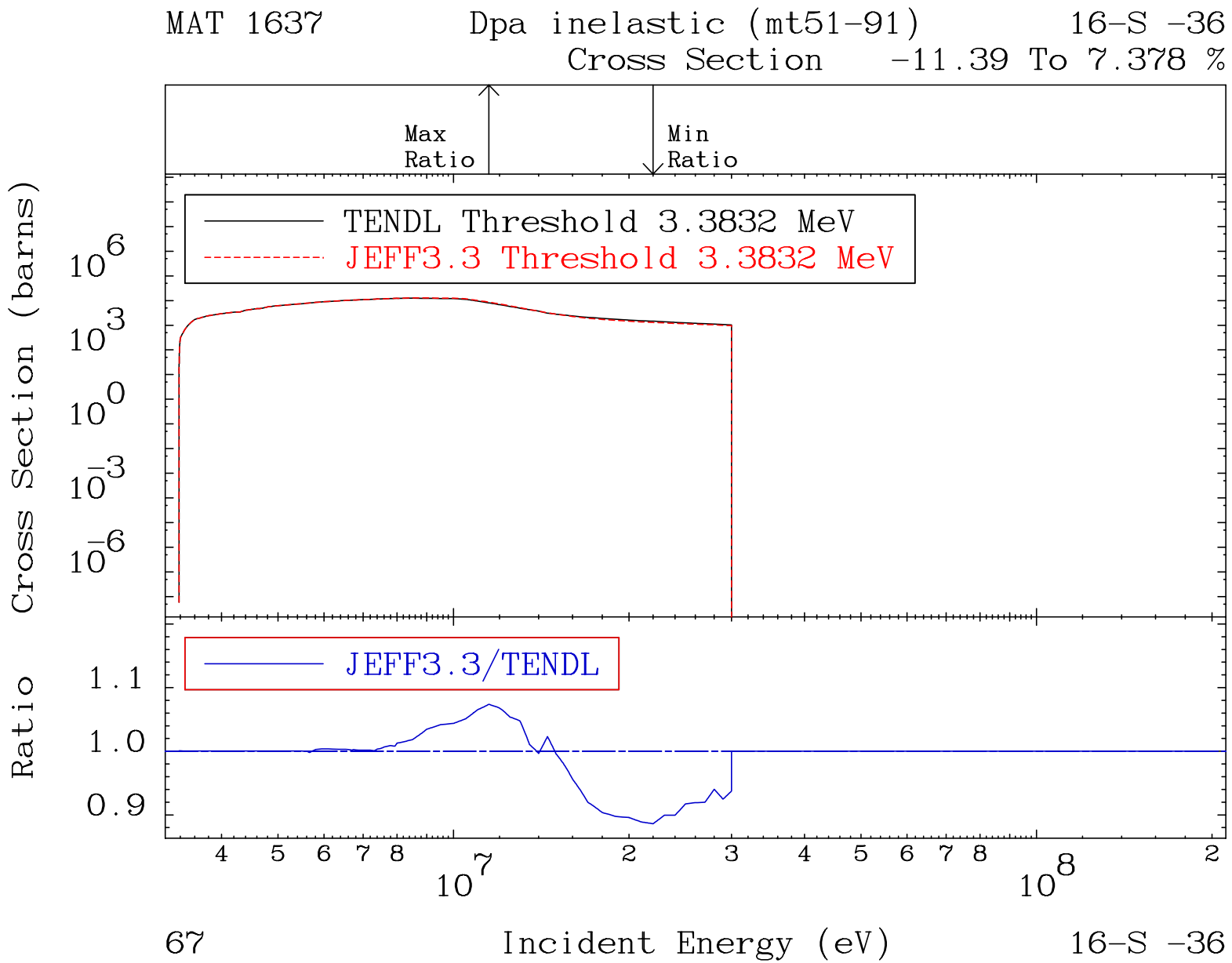

MAT 1637
Kerma capture (mt102)
16-S -36
Cross Section -99.64 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
16-S -36

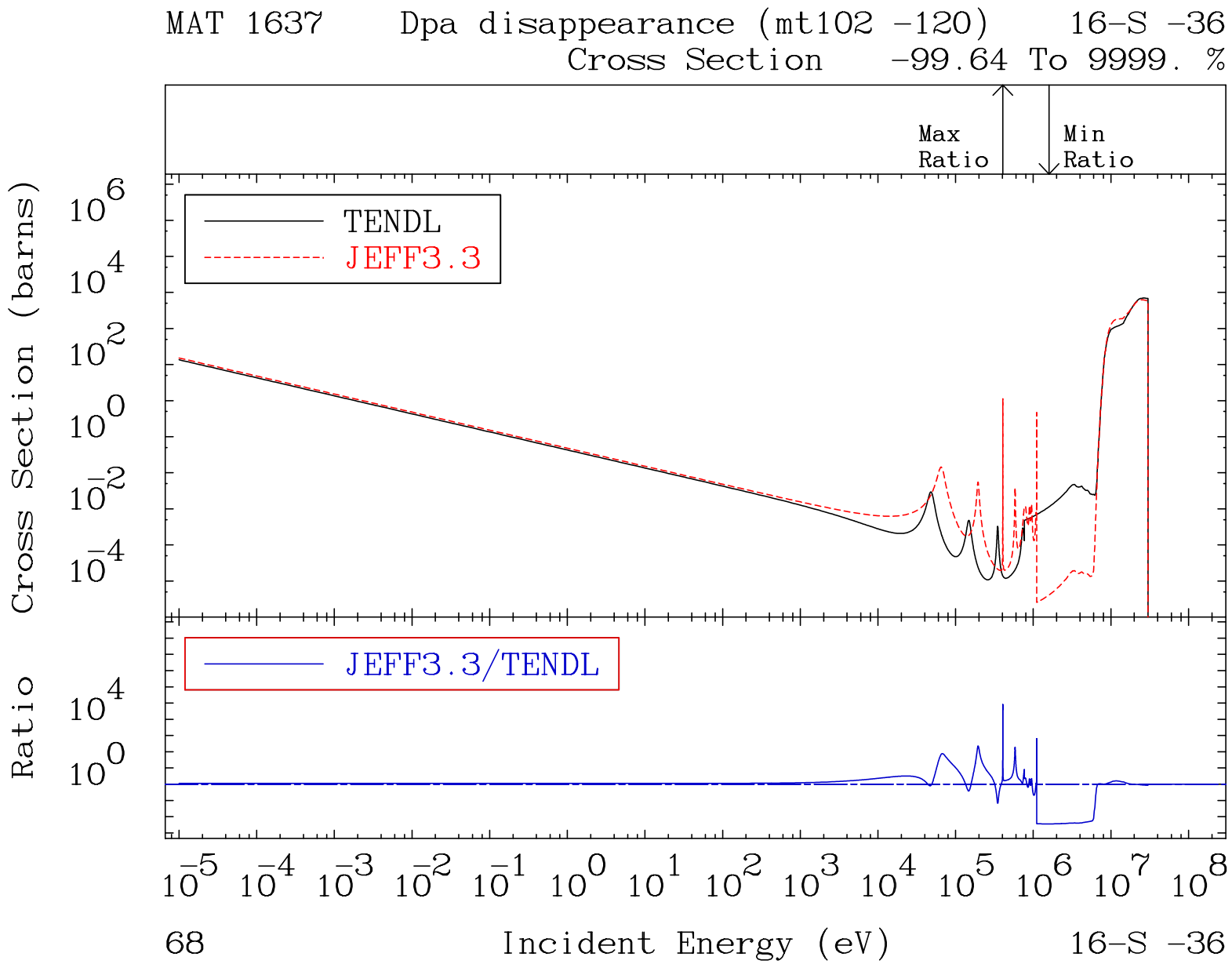

MAT 1637
Total photon (eV-barns)
16-S -36
Cross Section -99.63 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
10^8
10^6
10^4
10^2
JEFF3.3/TENDL
Ratio
10^4
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
63
Incident Energy (eV)
16-S -36


MAT 1637 Total kinematic kerma (high limit) 16-S -36
Cross Section -99.94 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
16-S -36


MAT 1637
Dpa total (eV-barns)
16-S -36
Cross Section -99.94 To 3496. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
16-S -36


MAT 1637
Dpa elastic (mt2)
Cross Section
16-S -36
-99.94 To 3496. %
Min Ratio
Max Ratio
TENDL Threshold 218.75 eV
JEFF3.3 Threshold 237.50 eV
JEFF3.3/TENDL
Ratio Cross Section (barns)
Incident Energy (eV)
66
16-S -36


MAT 1637
Dpa inelastic (mt51-91)
16-S -36
Cross Section
-11.39 To 7.378 %
Max Ratio
Min Ratio
TENDL Threshold 3.3832 MeV
JEFF3.3 Threshold 3.3832 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
16-S -36


MAT 1637 Dpa disappearance (mt102 -120) 16-S -36
Cross Section -99.64 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
16-S -36