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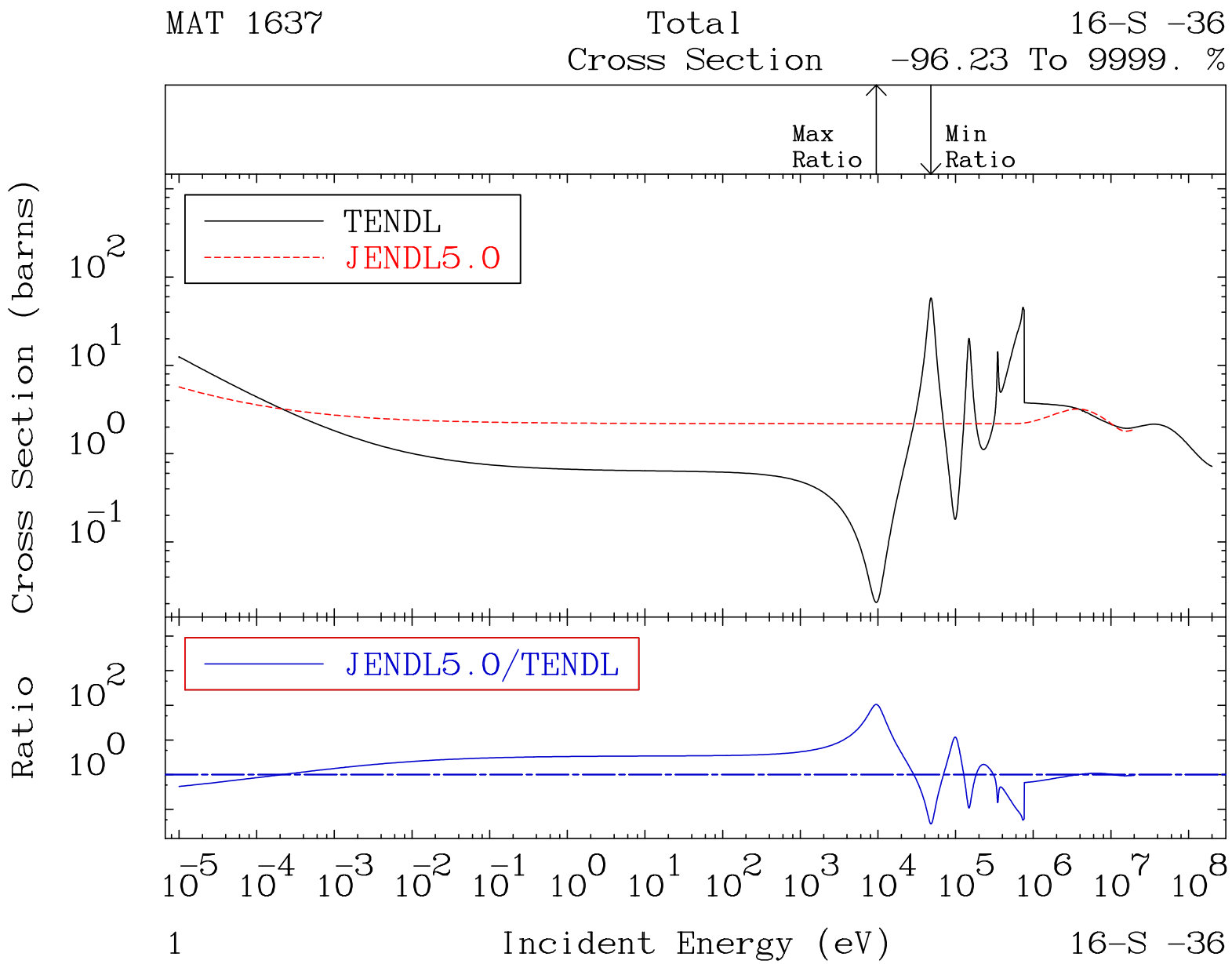
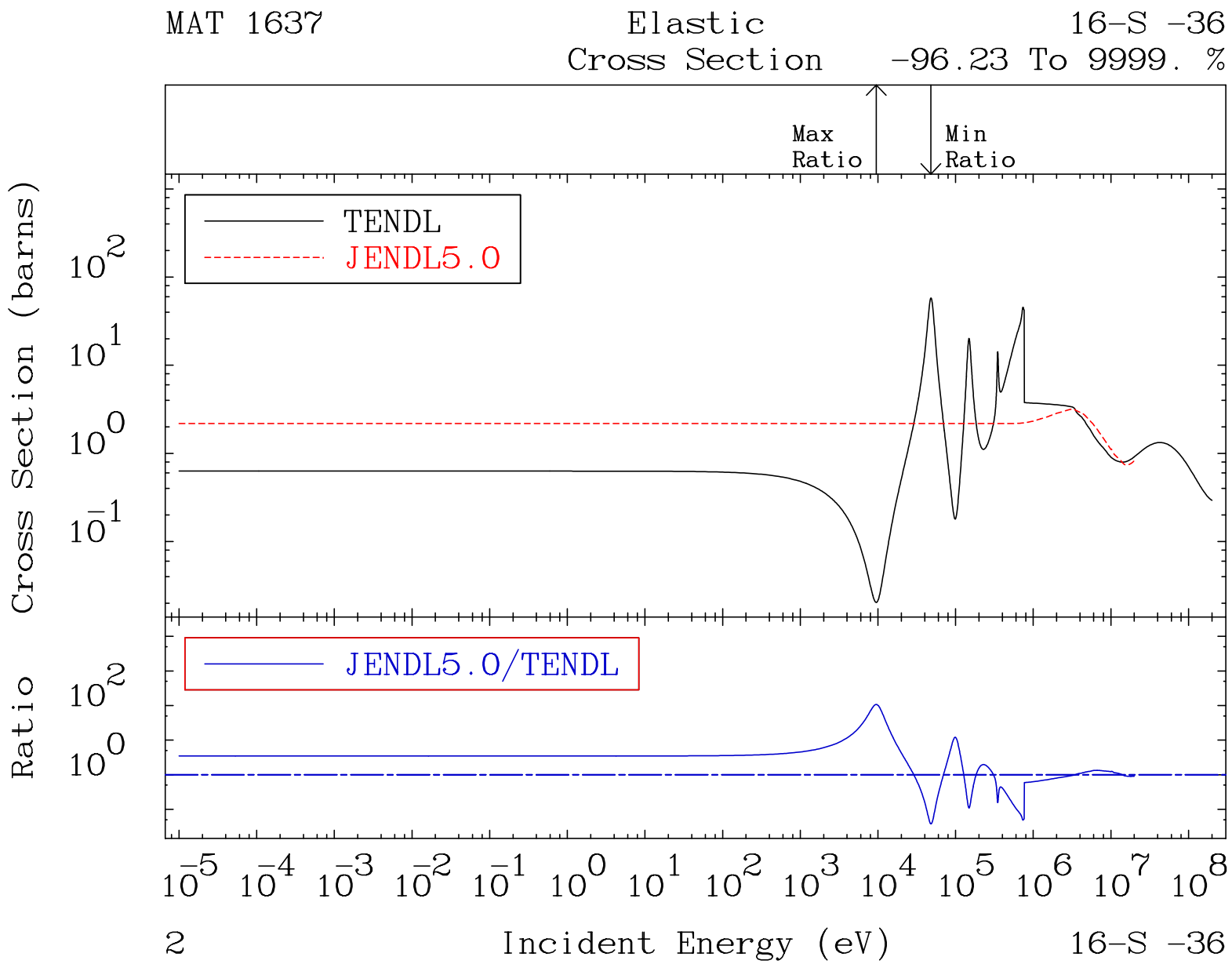
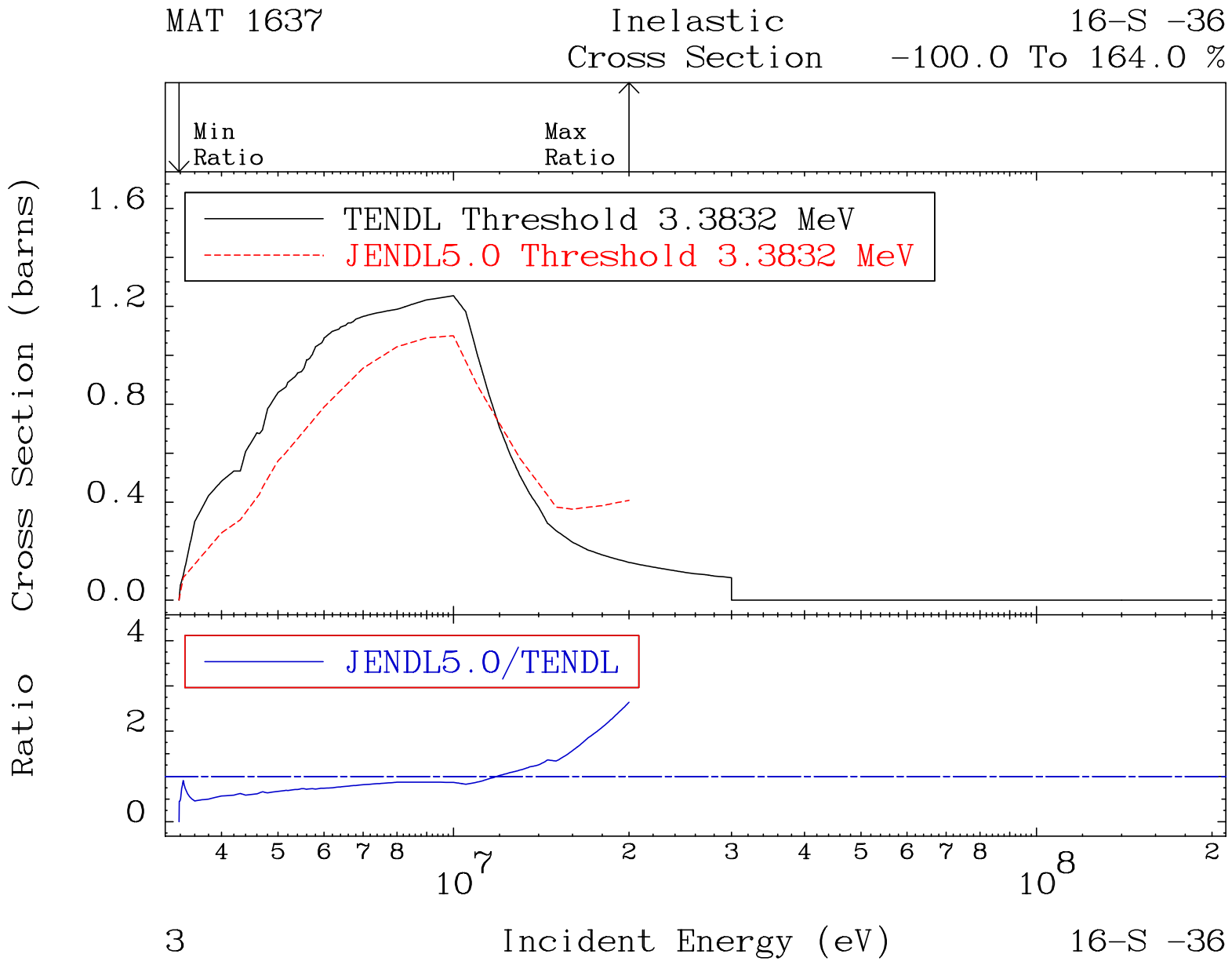
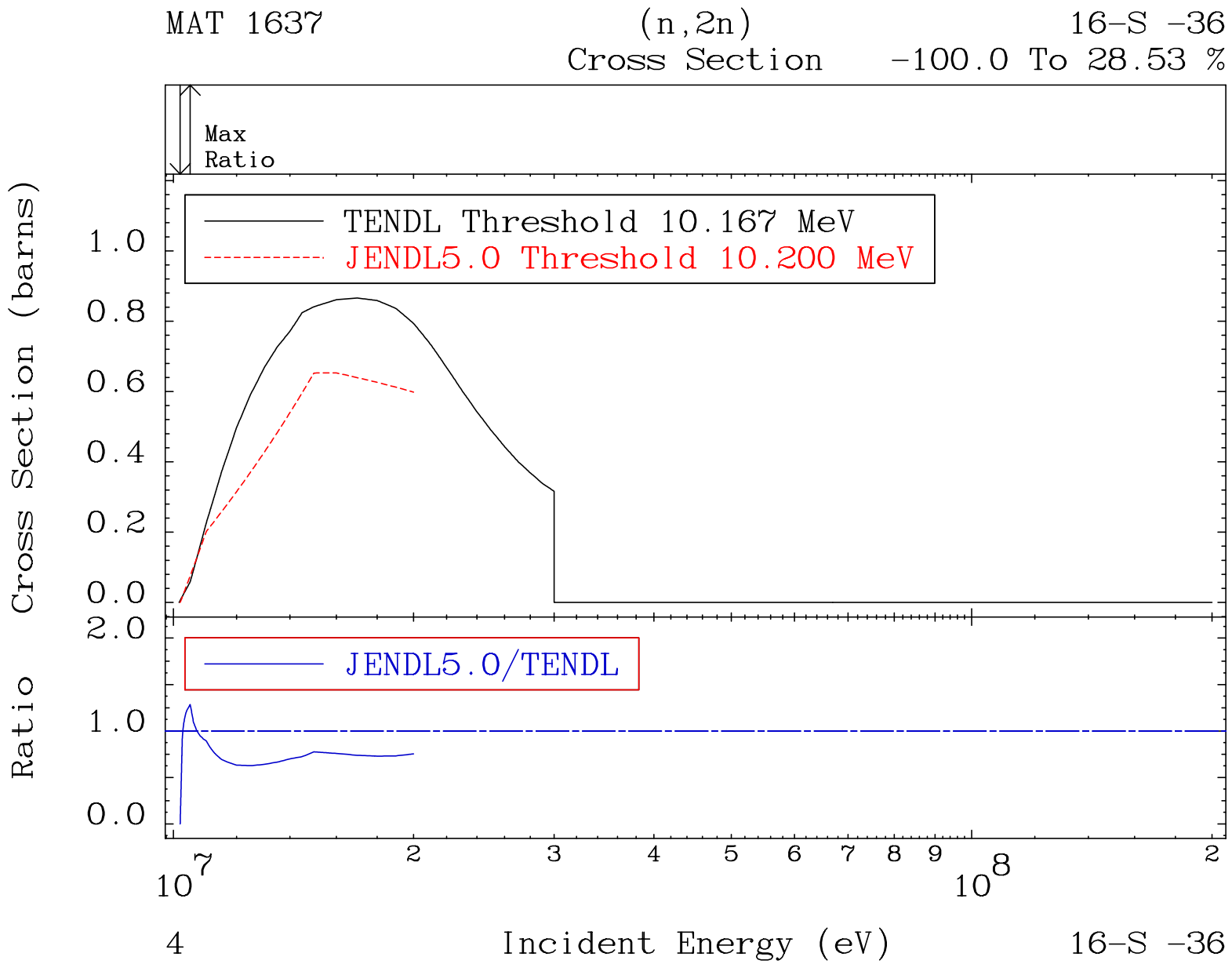
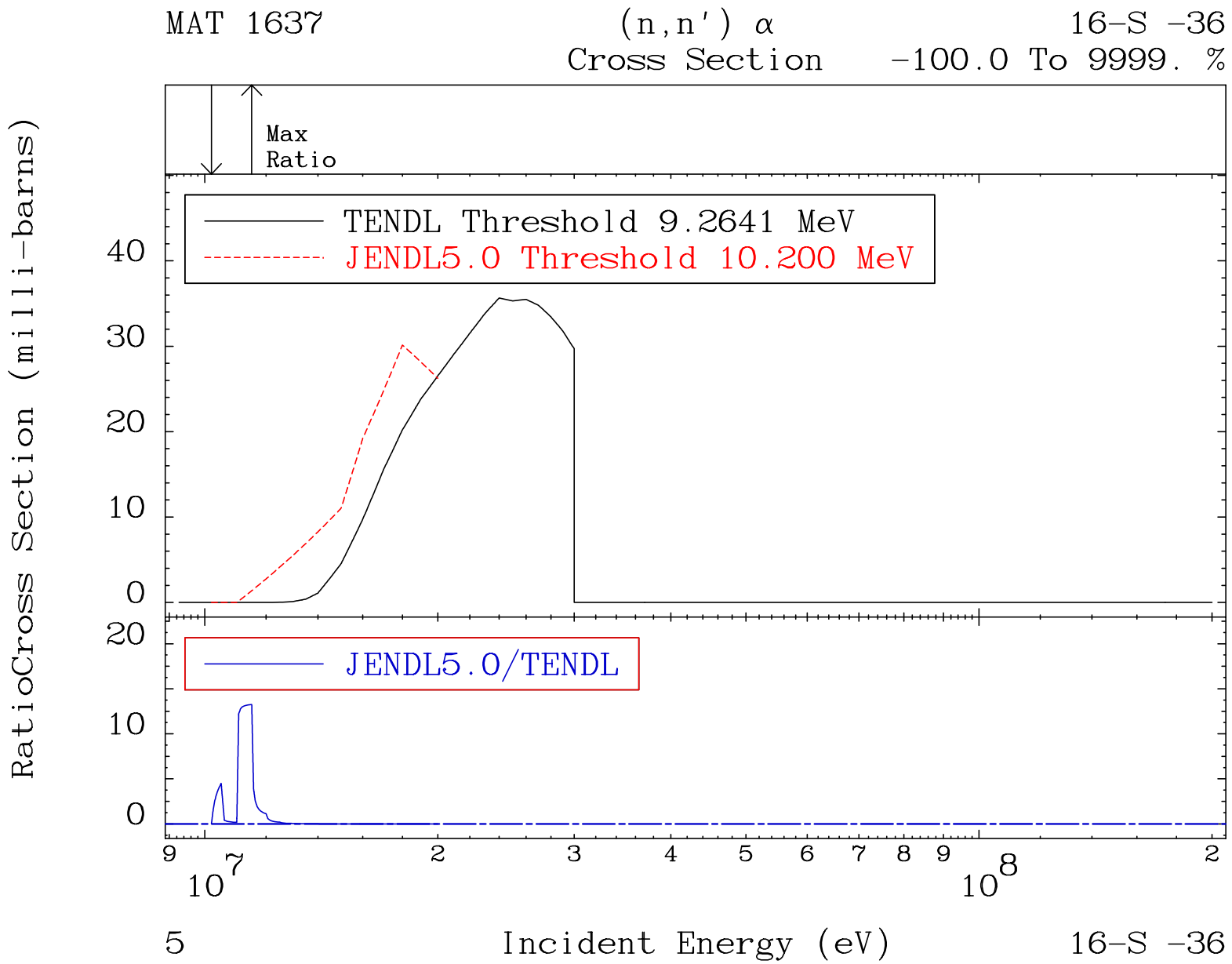
Press Mouse Button to Start

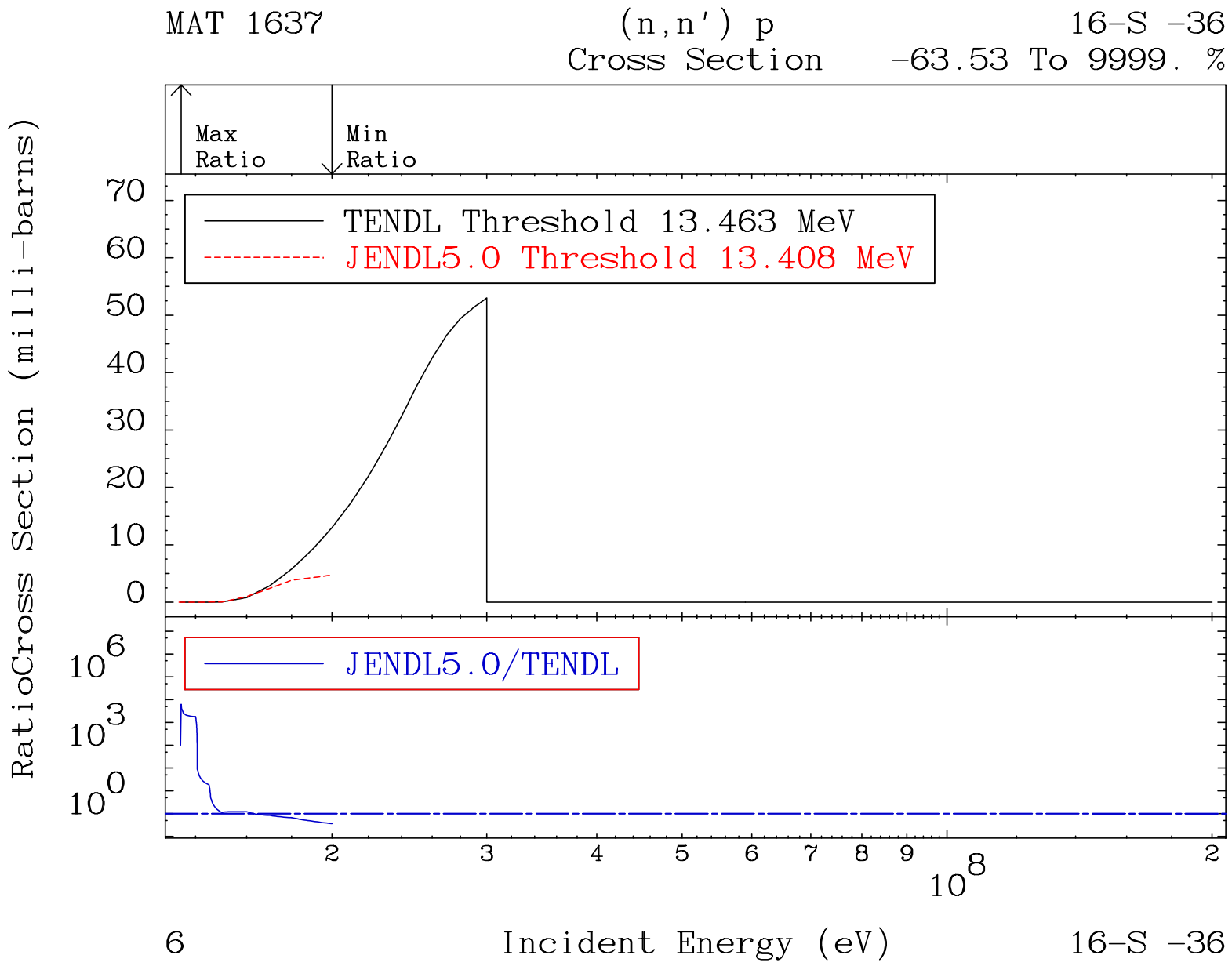

MAT 1637
Total
Cross Section
16-S -36
-96.23 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
16-S -36

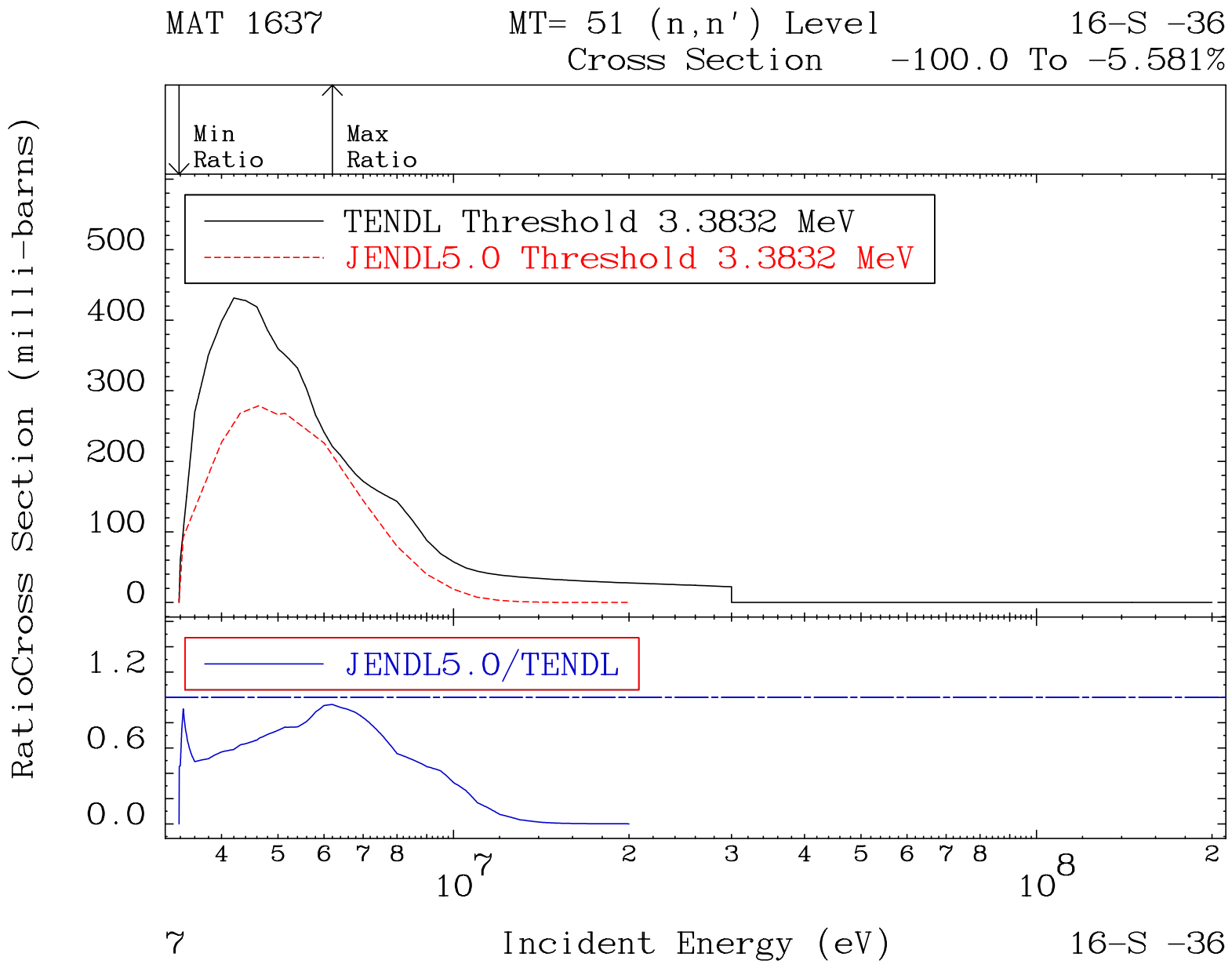

MAT 1637
Elastic
Cross Section
16-S -36
-96.23 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
16-S -36

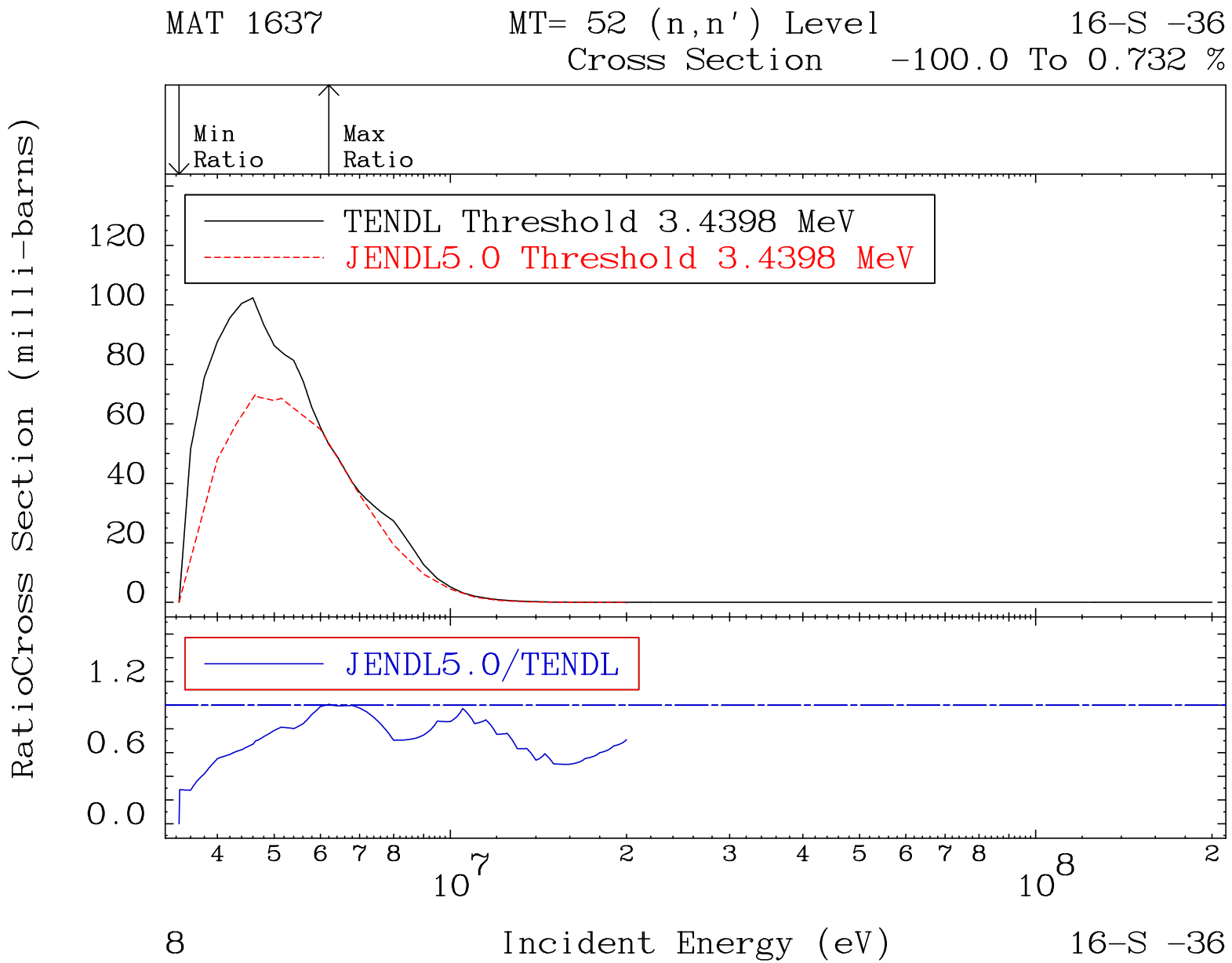

MAT 1637
Inelastic
Cross Section
16-S -36
-100.0 To 164.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.3832 MeV
JENDL5.0 Threshold 3.3832 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
4
2
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
3
16-S -36

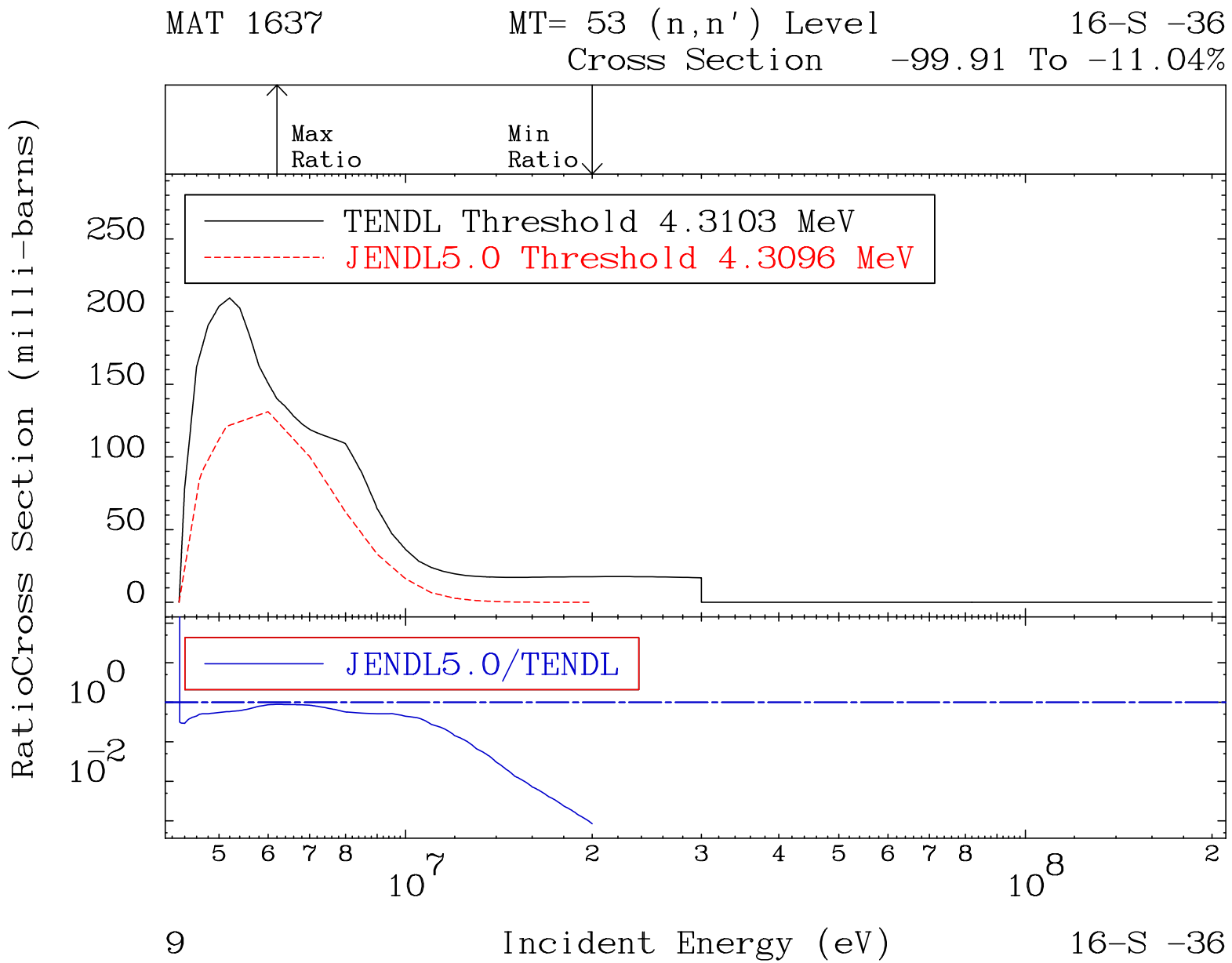

MAT 1637
(n,2n)
Cross Section
16-S -36
-100.0 To 28.53 %
Max
Ratio
TENDL Threshold 10.167 MeV
JENDL5.0 Threshold 10.200 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
16-S -36

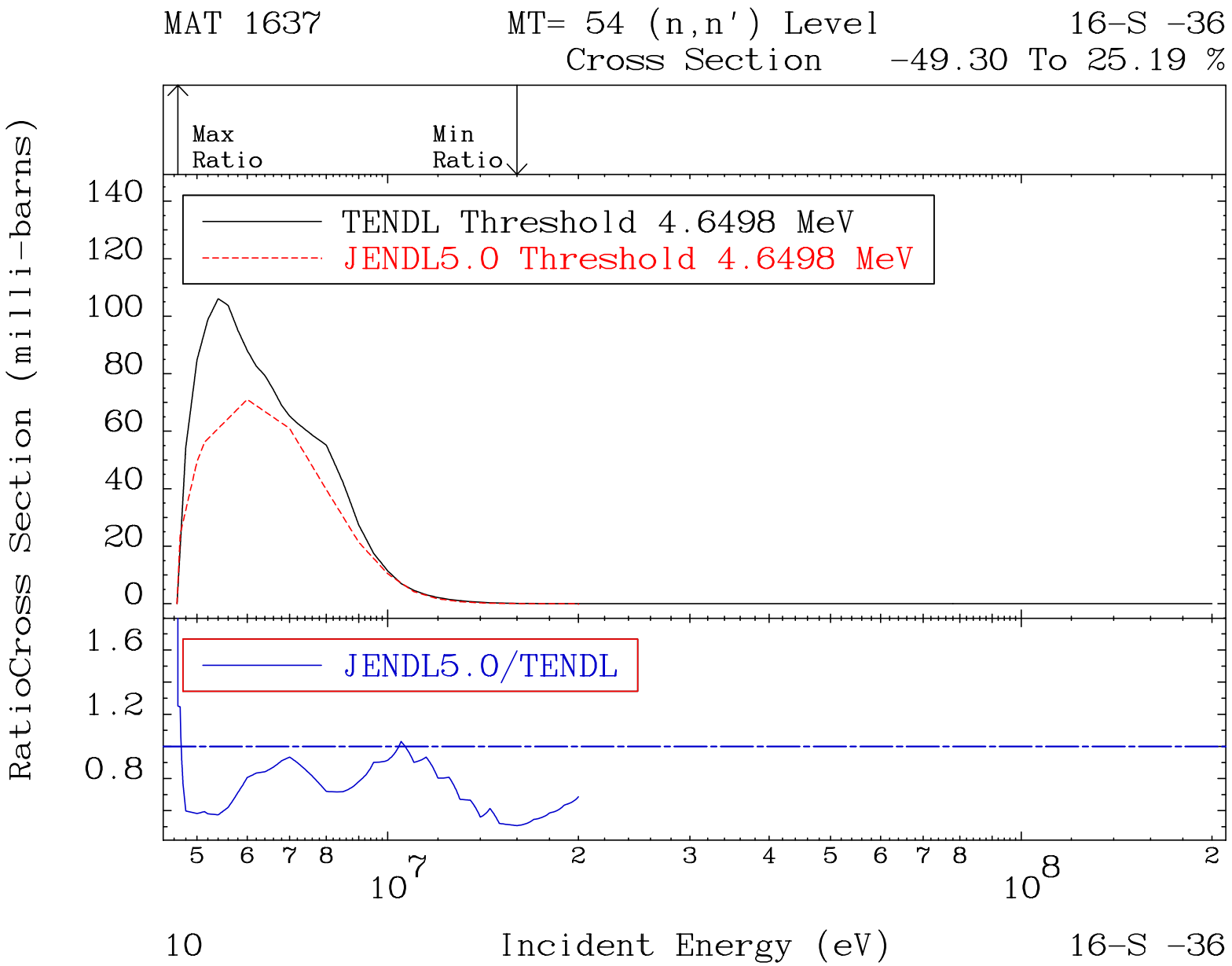

MAT 1637
(n,n') α
16-S -36
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.2641 MeV
JENDL5.0 Threshold 10.200 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
16-S -36

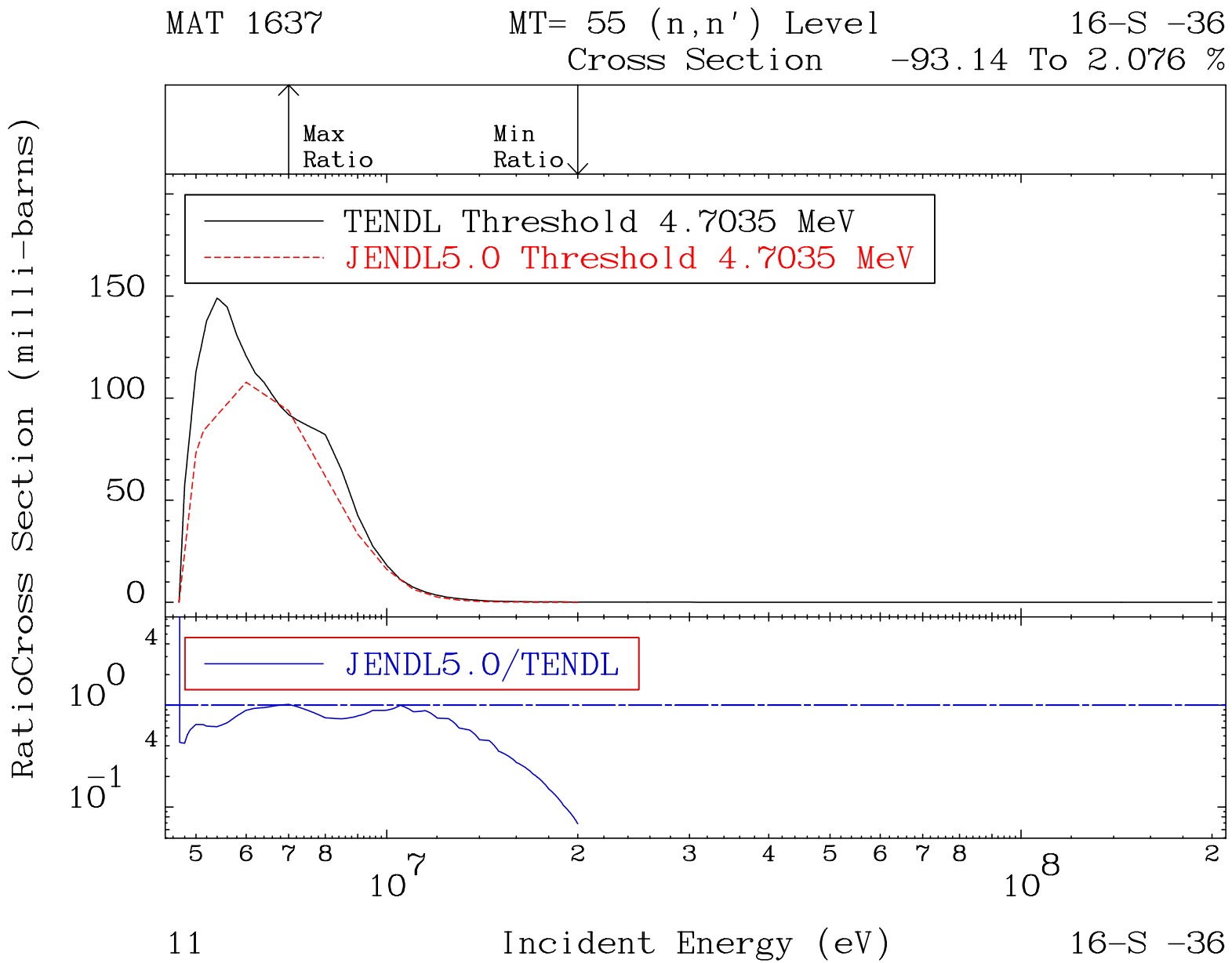

MAT 1637
(n,n') p
Cross Section
16-S -36
-63.53 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.463 MeV
JENDL5.0 Threshold 13.408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
16-S -36

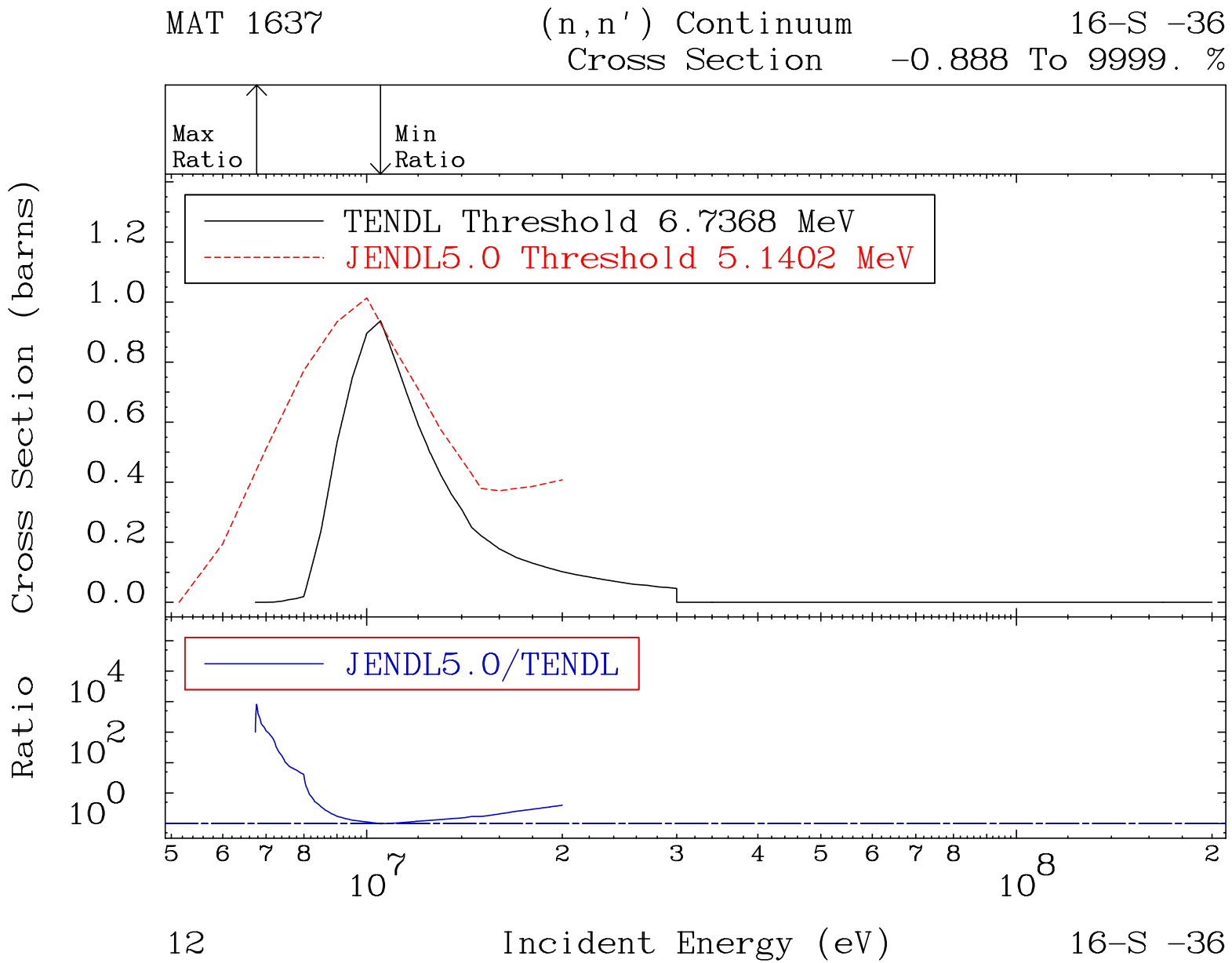

MAT 1637
MT= 51 (n,n') Level
16-S -36
Cross Section
-100.0 To -5.581%
Min Ratio
Max Ratio
TENDL Threshold 3.3832 MeV
JENDL5.0 Threshold 3.3832 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
16-S -36

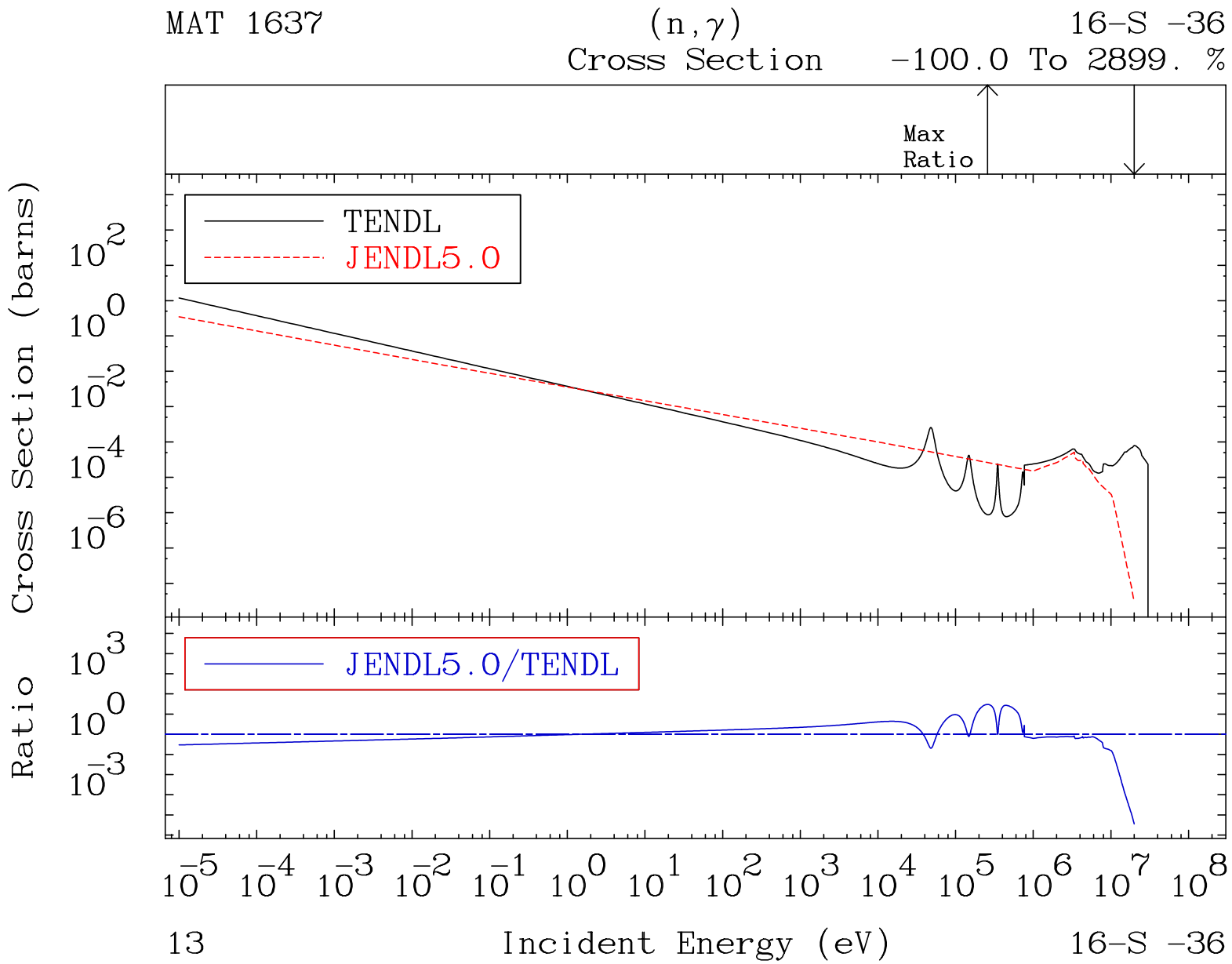

MAT 1637
MT= 52 (n,n') Level
16-S -36
Cross Section
-100.0 To 0.732 %
Min Ratio
Max Ratio
TENDL Threshold 3.4398 MeV
JENDL5.0 Threshold 3.4398 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
8
Incident Energy (eV)
16-S -36

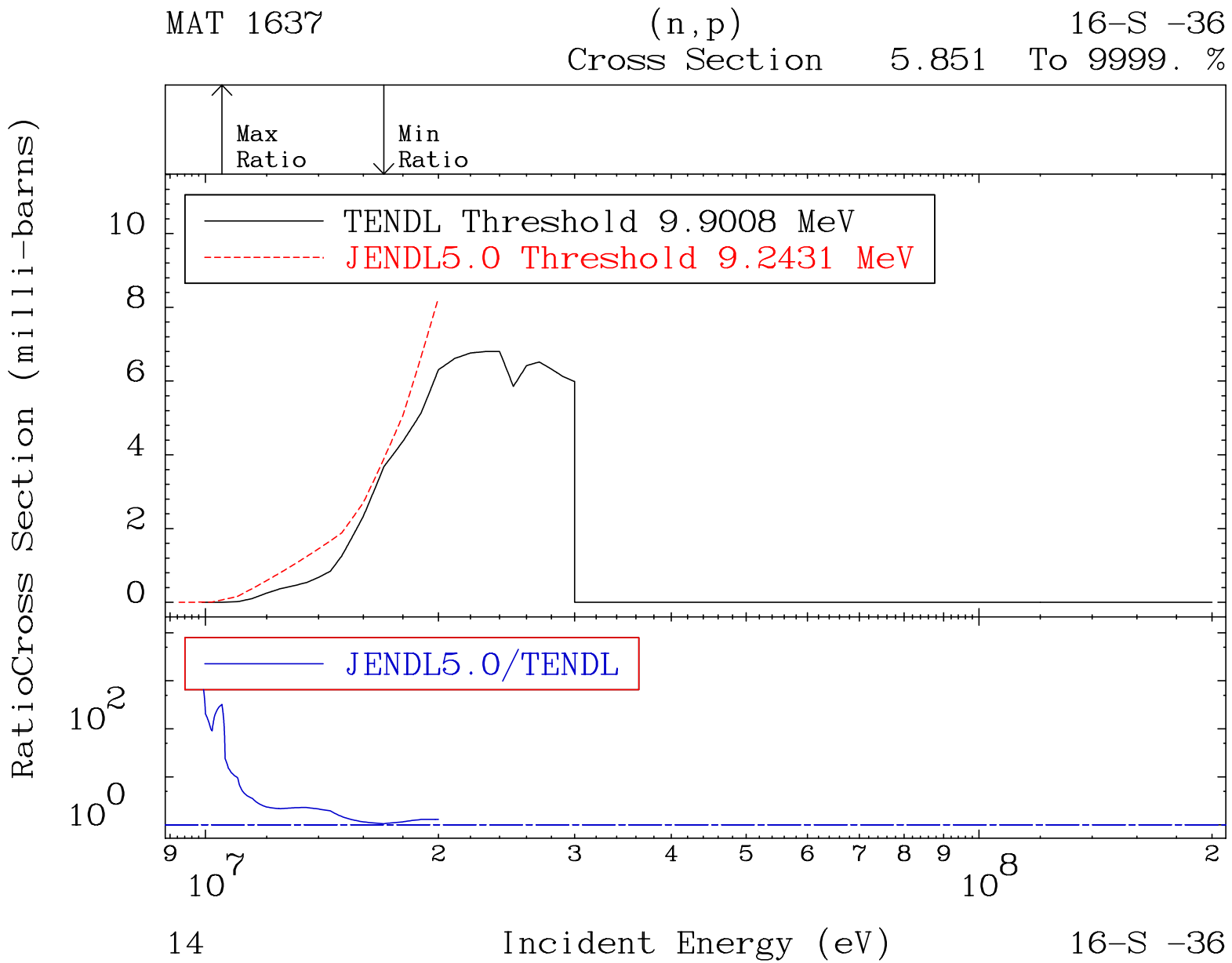

MAT 1637
MT= 53 (n,n') Level
16-S -36
Cross Section -99.91 To -11.04%
Max Ratio
Min Ratio
TENDL Threshold 4.3103 MeV
JENDL5.0 Threshold 4.3096 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^0
10^-2
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
16-S -36

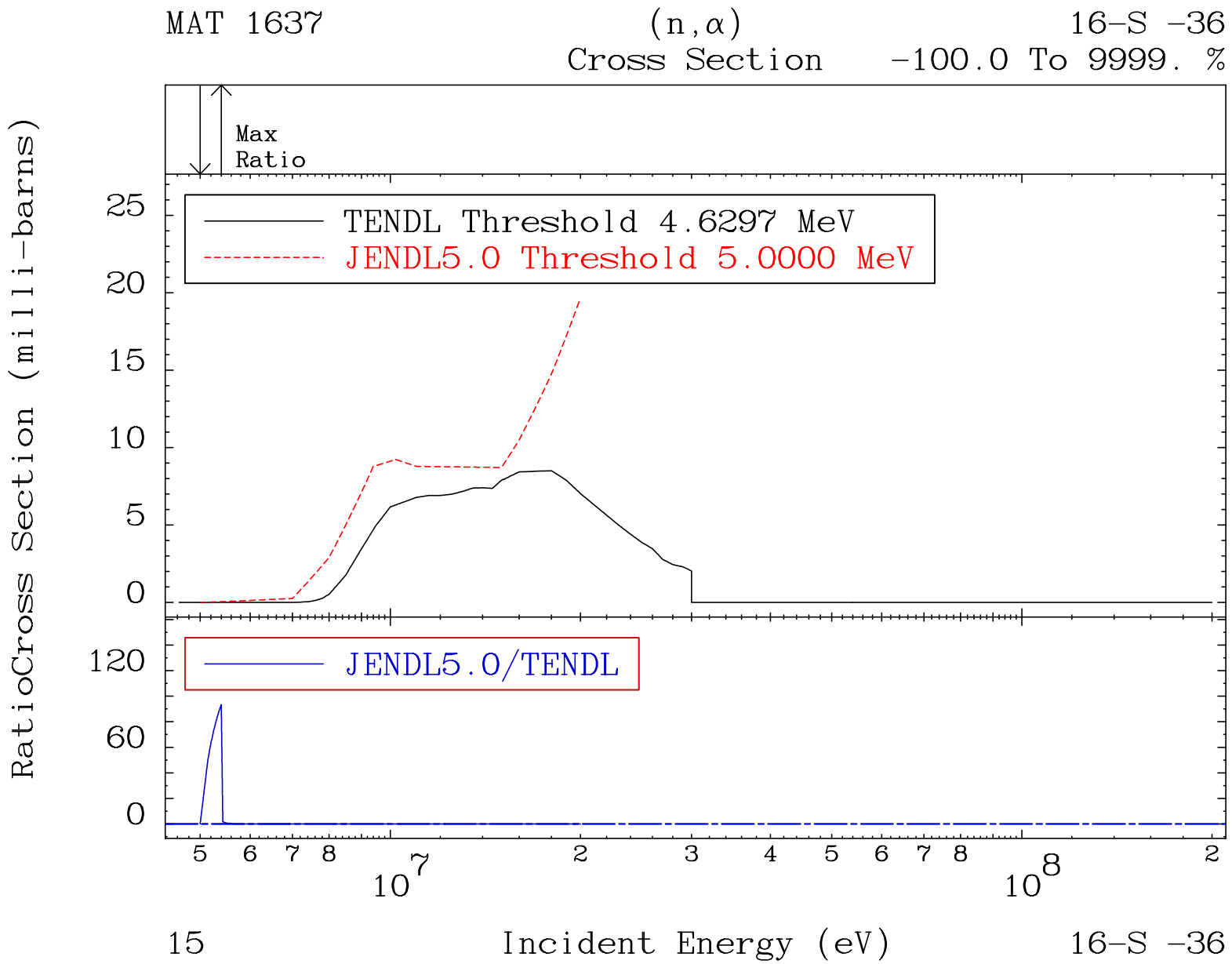

MAT 1637
MT= 54 (n,n') Level
16-S -36
Cross Section -49.30 To 25.19 %
Max Ratio
Min Ratio
TENDL Threshold 4.6498 MeV
JENDL5.0 Threshold 4.6498 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.6
1.2
0.8
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
10
Incident Energy (eV)
16-S -36

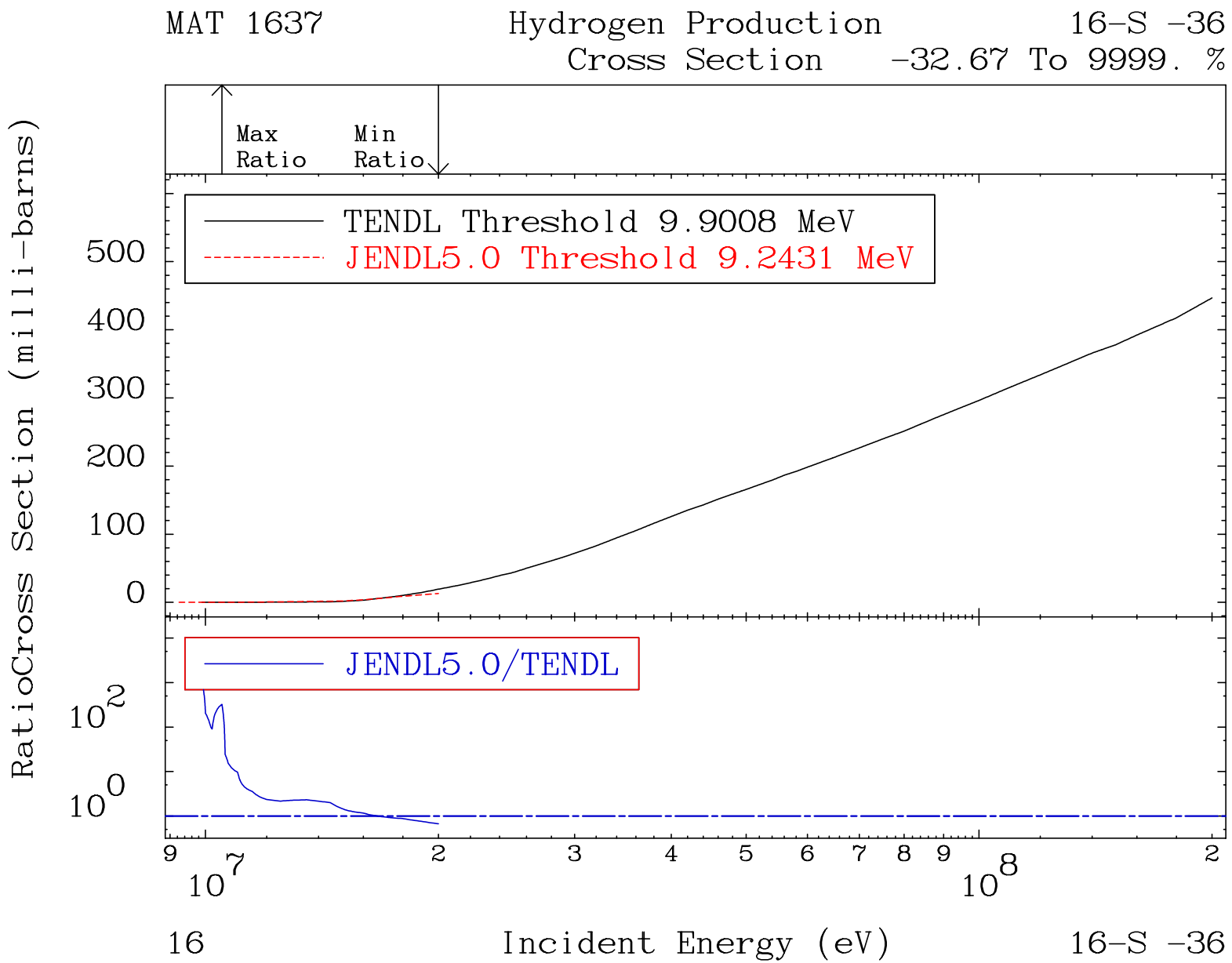

MAT 1637
MT= 55 (n,n') Level
16-S -36
Cross Section -93.14 To 2.076 %
Max Ratio
Min Ratio
TENDL Threshold 4.7035 MeV
JENDL5.0 Threshold 4.7035 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
4
10^{0}
4
10^{-1}
5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
11
Incident Energy (eV)
16-S -36

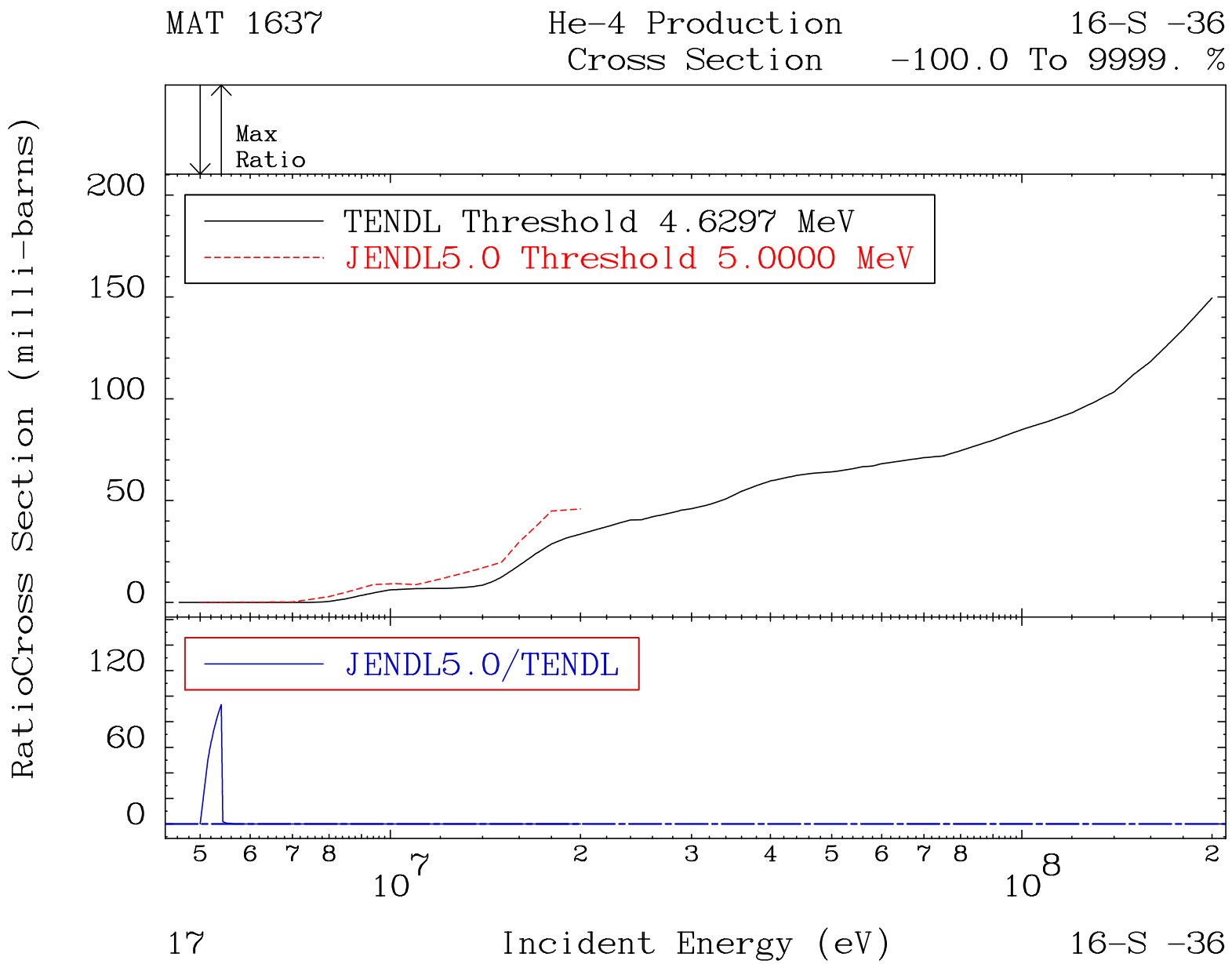

MAT 1637
(n,n') Continuum
Cross Section
16-S -36
-0.888 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.7368 MeV
JENDL5.0 Threshold 5.1402 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^4
10^2
10^0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
12
16-S -36

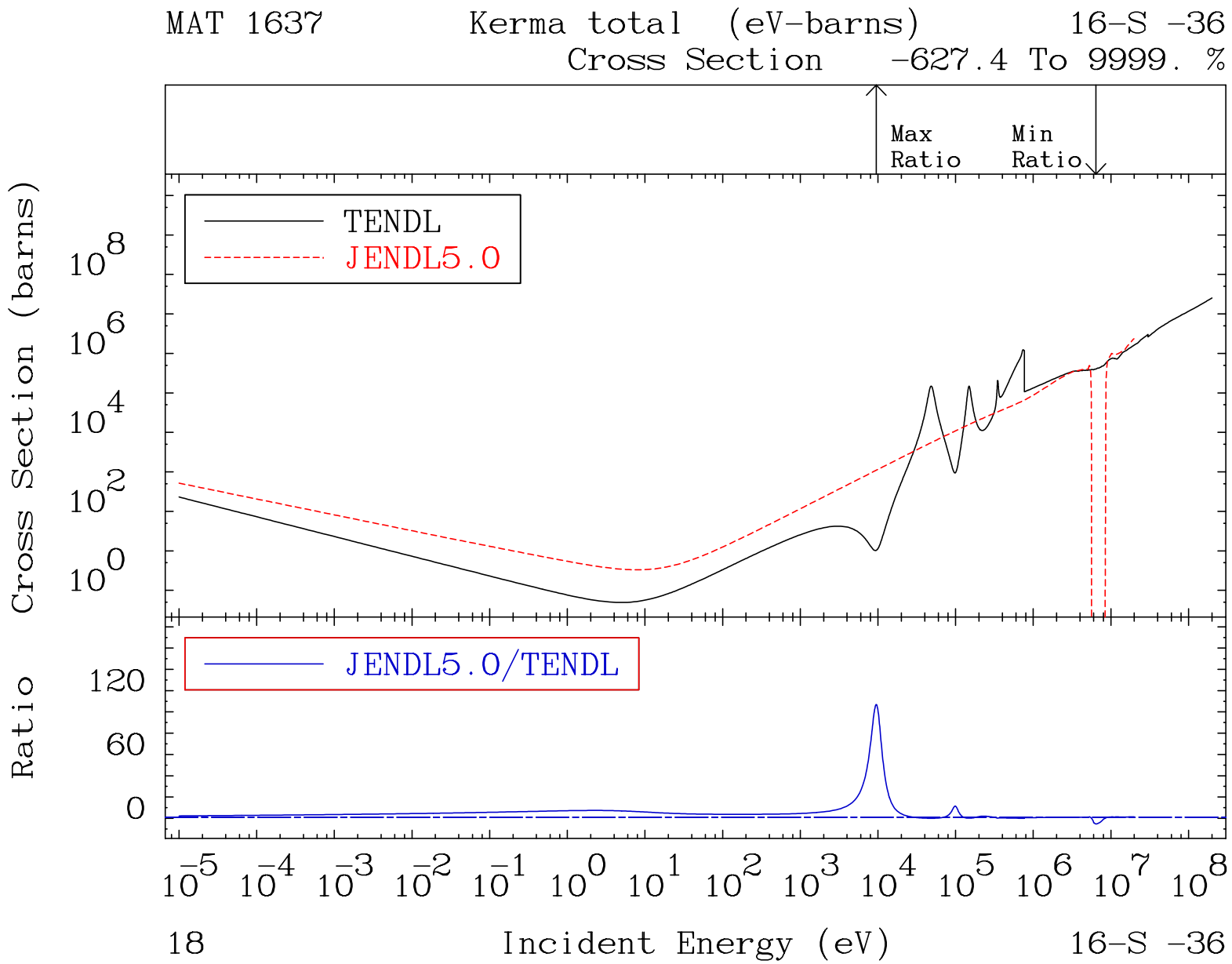

MAT 1637
(n,γ)
16-S -36
Cross Section
-100.0 To 2899. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
13
16-S -36

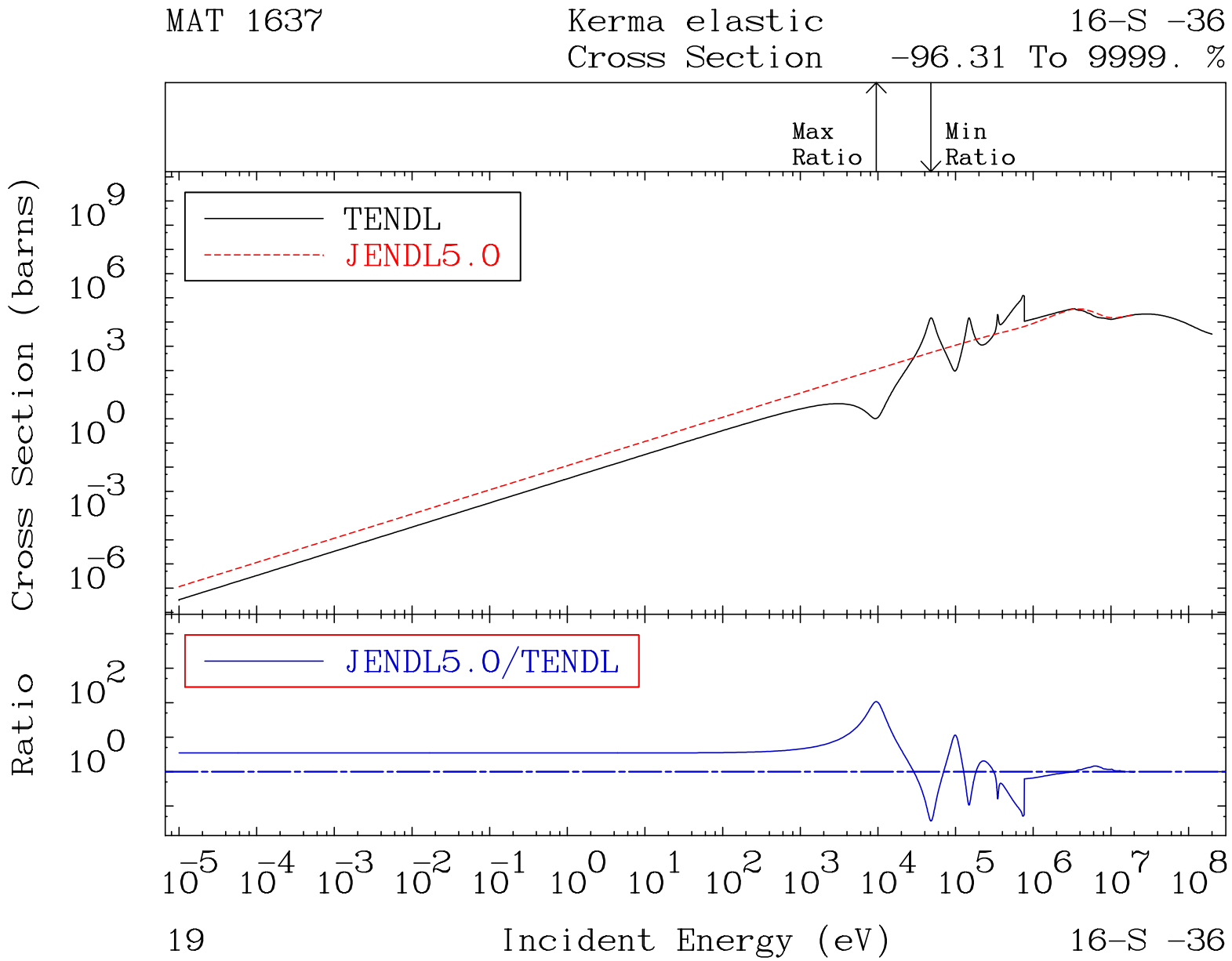

MAT 1637
(n,p)
16-S -36
Cross Section 5.851 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.9008 MeV
JENDL5.0 Threshold 9.2431 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
16-S -36

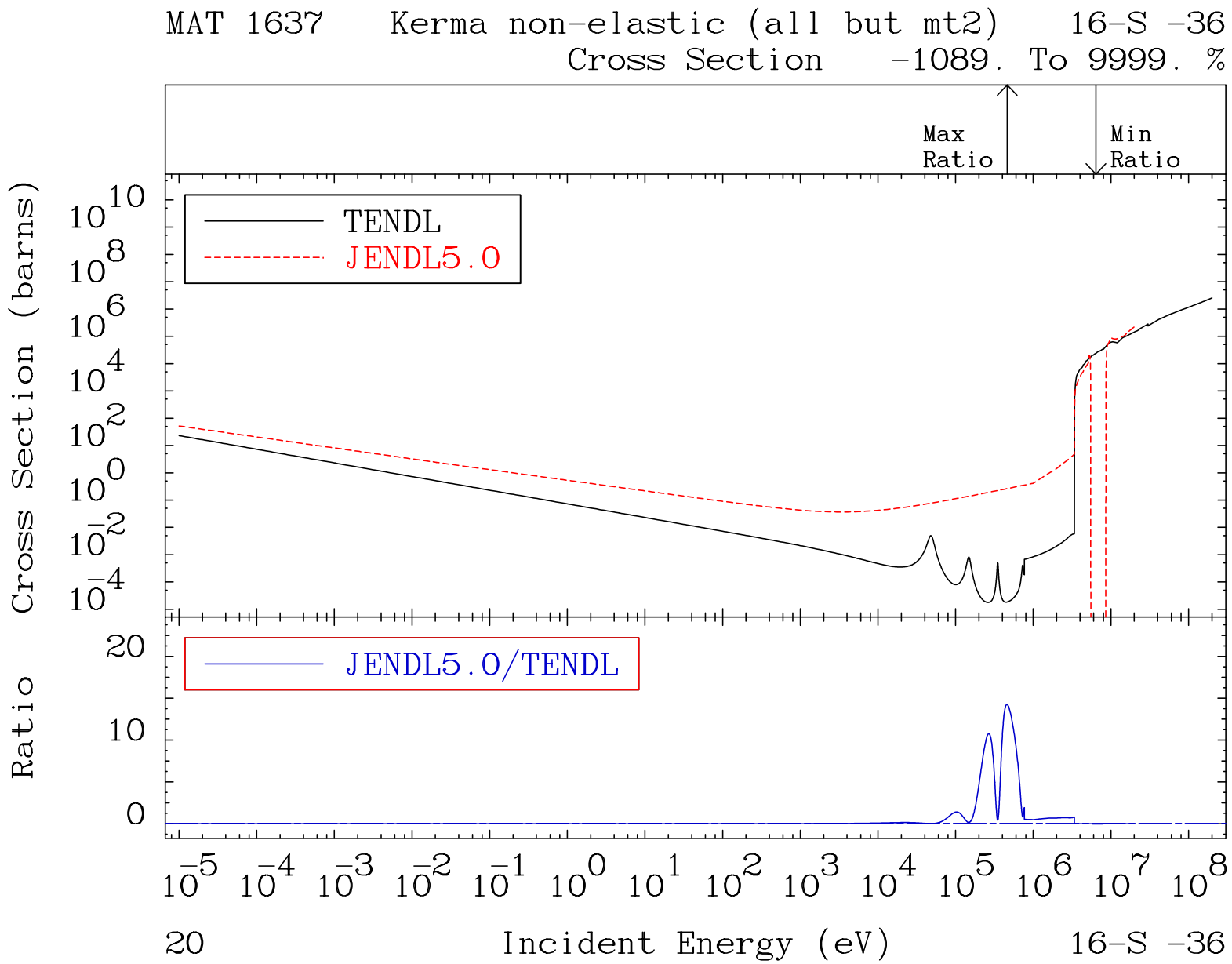

MAT 1637
(n,α)
16-S -36
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.6297 MeV
JENDL5.0 Threshold 5.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
120
60
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
16-S -36

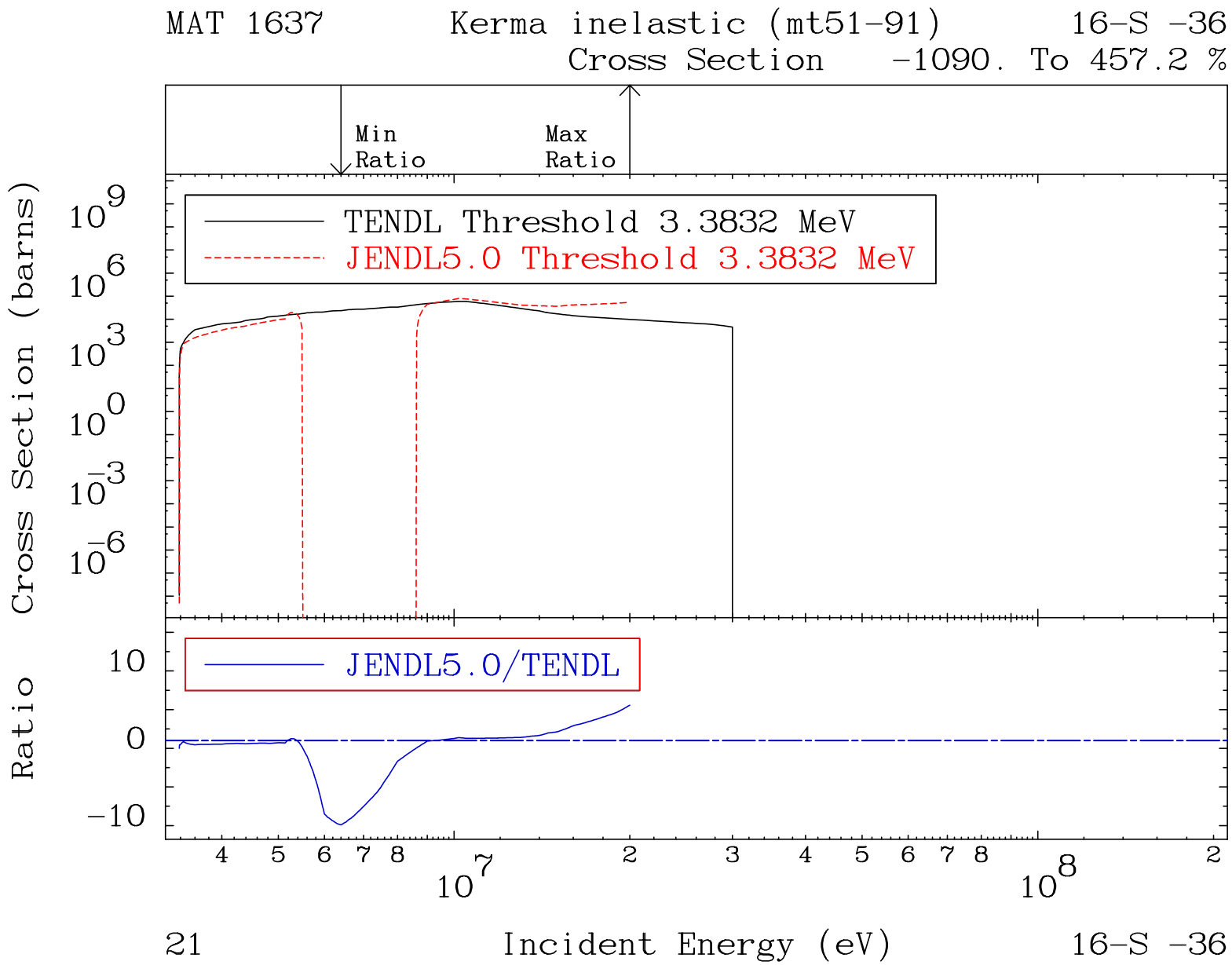

MAT 1637
Hydrogen Production
16-S -36
Cross Section
-32.67 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.9008 MeV
JENDL5.0 Threshold 9.2431 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
16-S -36

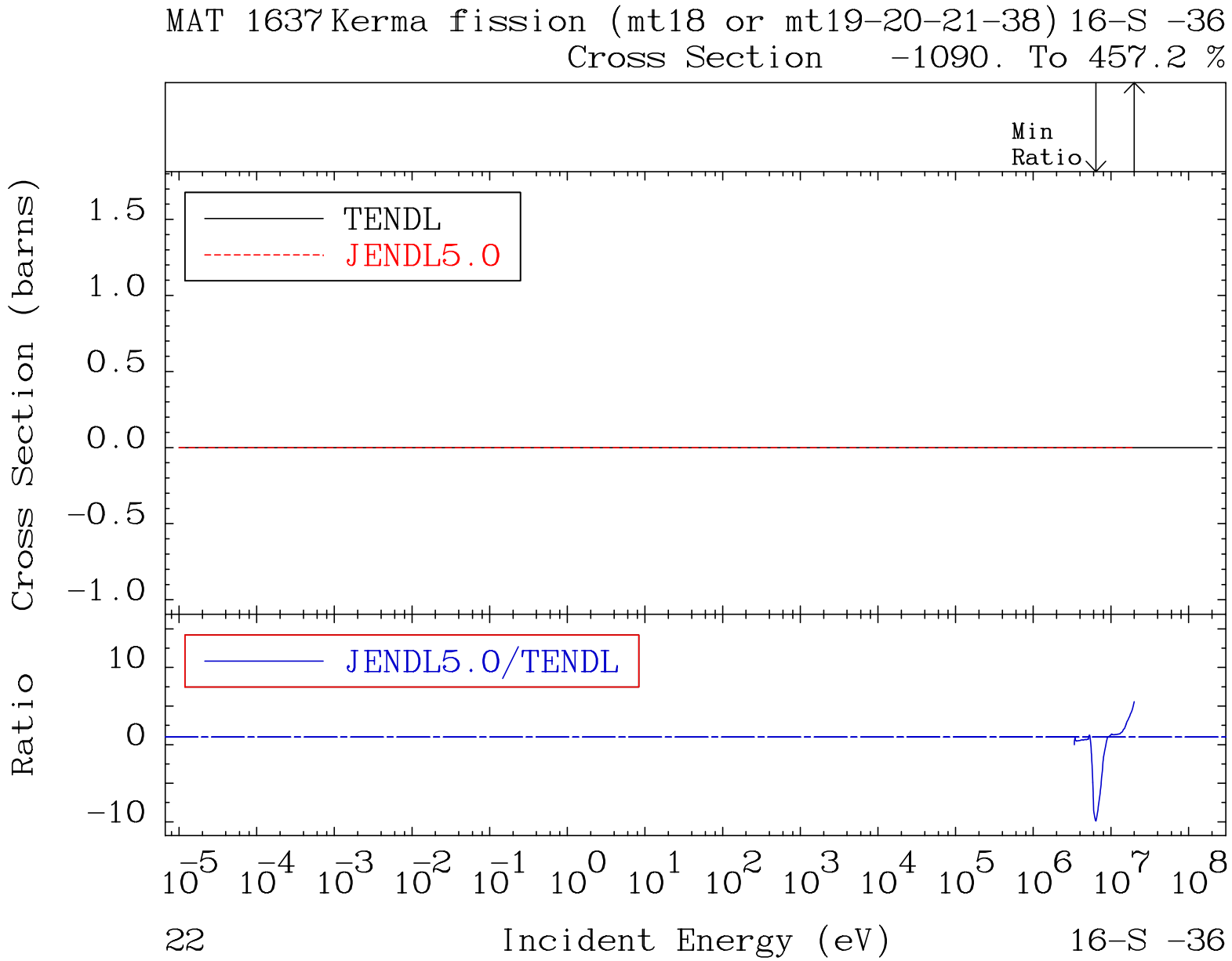

MAT 1637
He-4 Production
Cross Section
16-S -36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.6297 MeV
JENDL5.0 Threshold 5.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
120
60
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
16-S -36

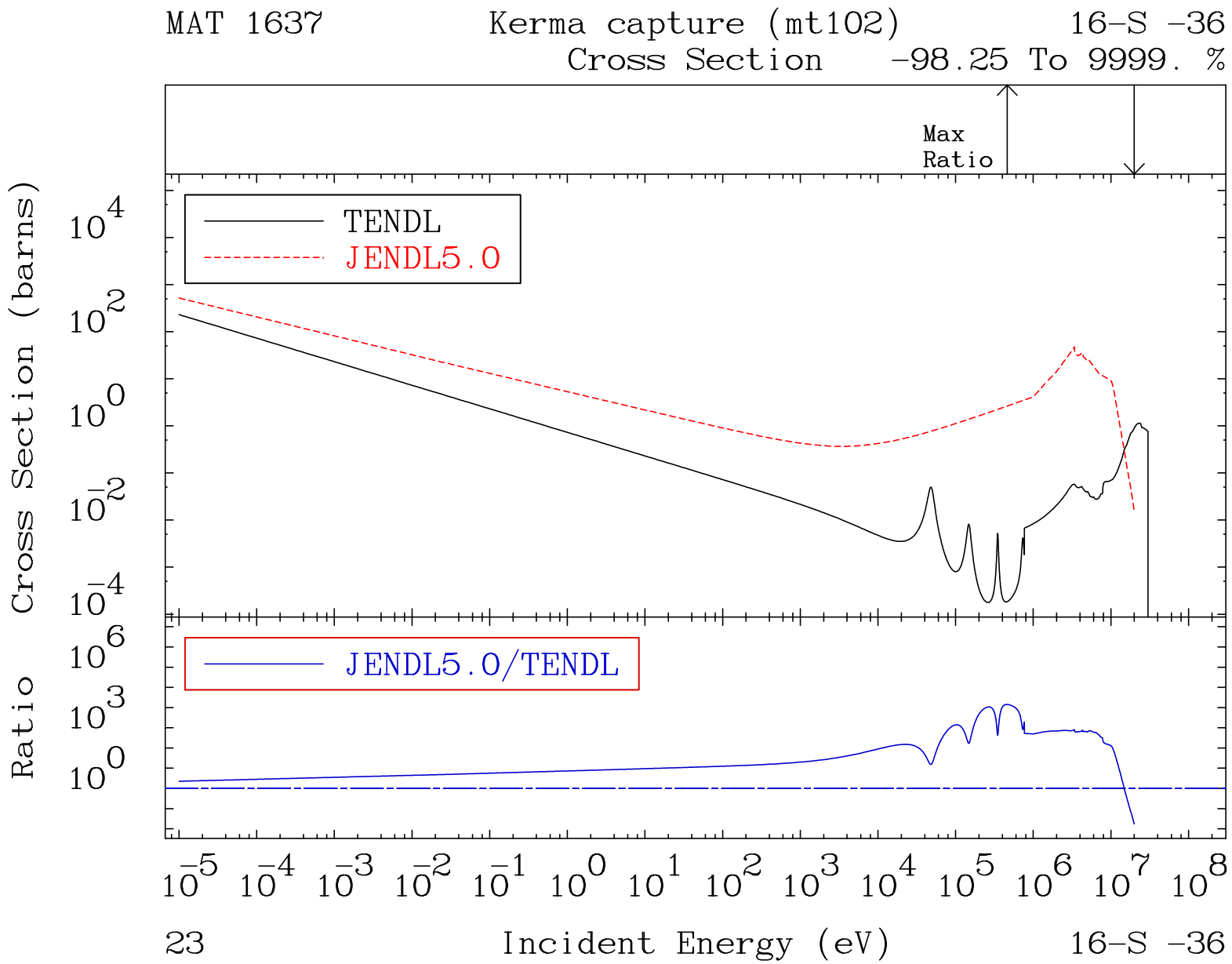

MAT 1637
Kerma total (eV-barns)
16-S -36
Cross Section -627.4 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^8
10^6
10^4
10^2
10^0
JENDL5.0/TENDL
Ratio
120
60
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
18
Incident Energy (eV)
16-S -36

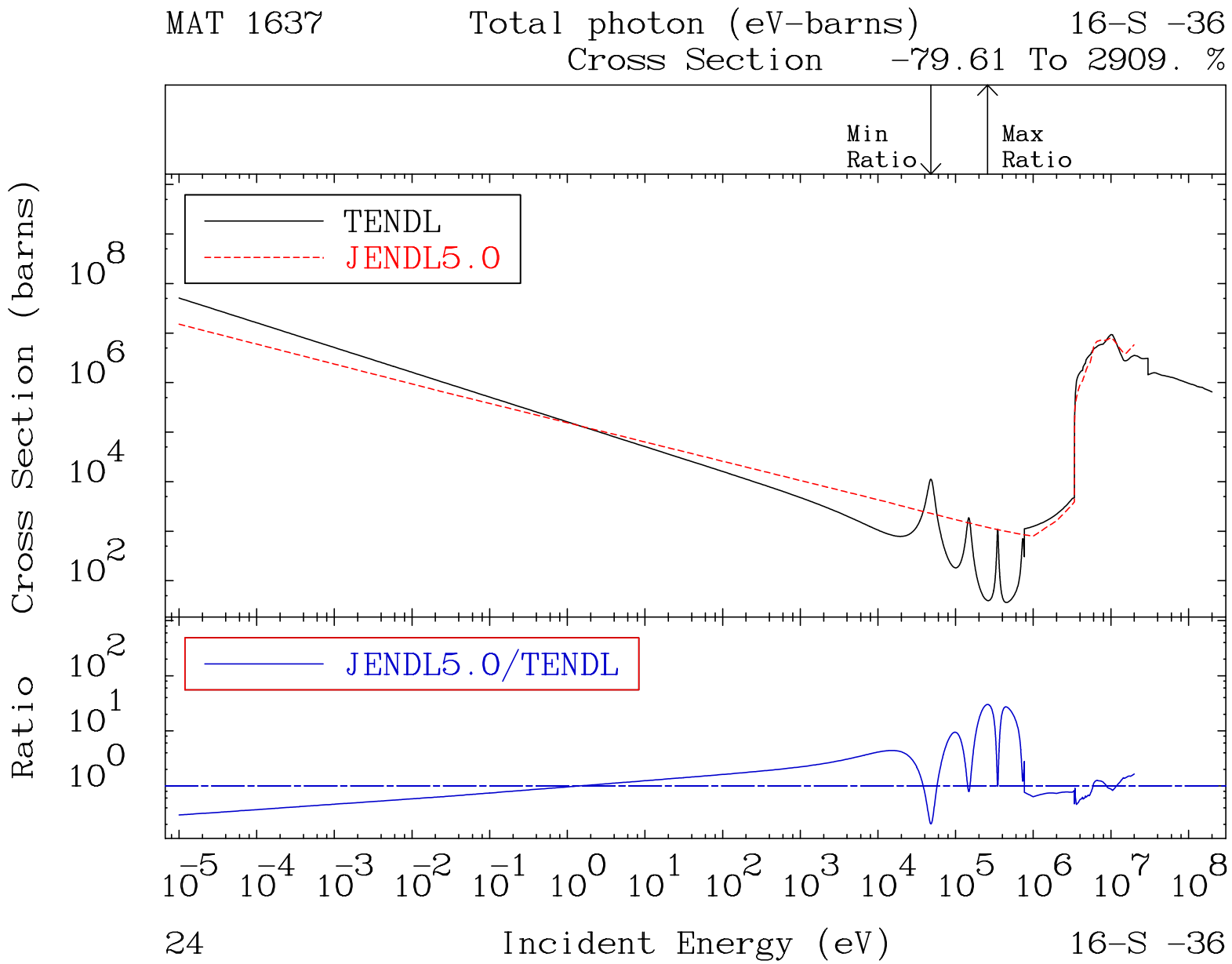

MAT 1637
Kerma elastic
Cross Section
16-S -36
-96.31 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
19
16-S -36

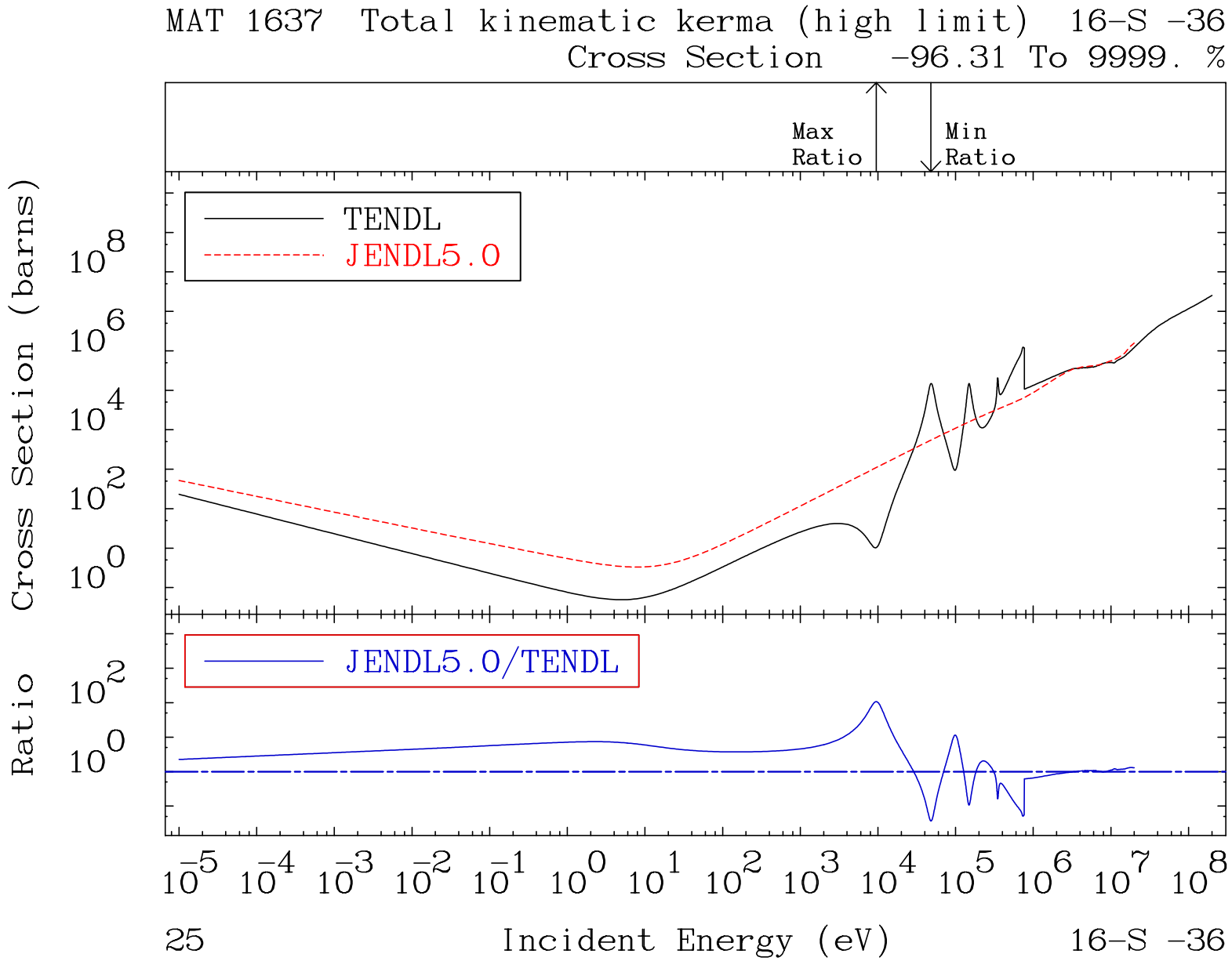

MAT 1637 Kerma non-elastic (all but mt2) 16-S -36
Cross Section -1089. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
20
16-S -36

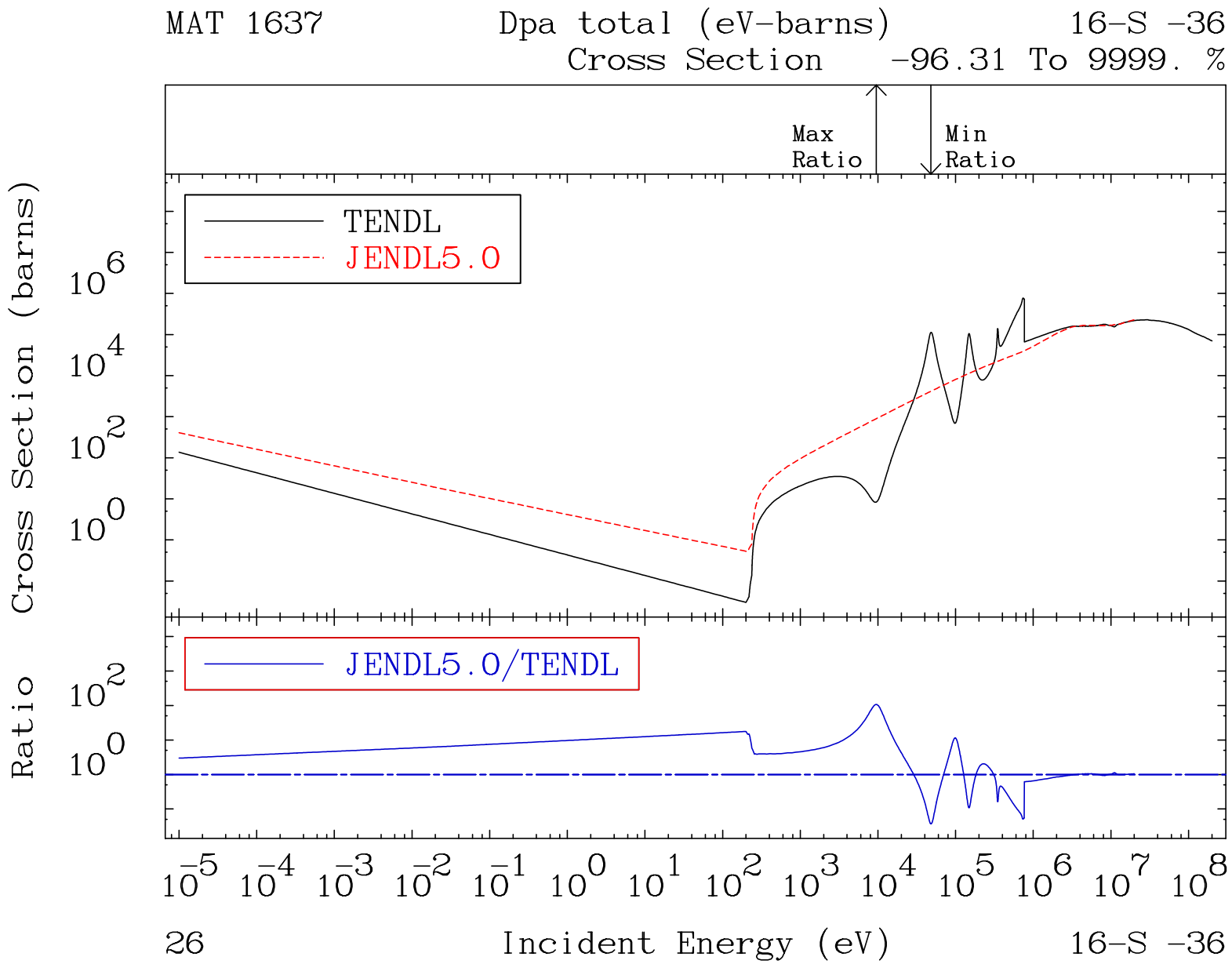

MAT 1637 Kerma inelastic (mt51-91) 16-S -36
Cross Section -1090. To 457.2 %
Min Ratio
Max Ratio
TENDL Threshold 3.3832 MeV
JENDL5.0 Threshold 3.3832 MeV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
21
16-S -36

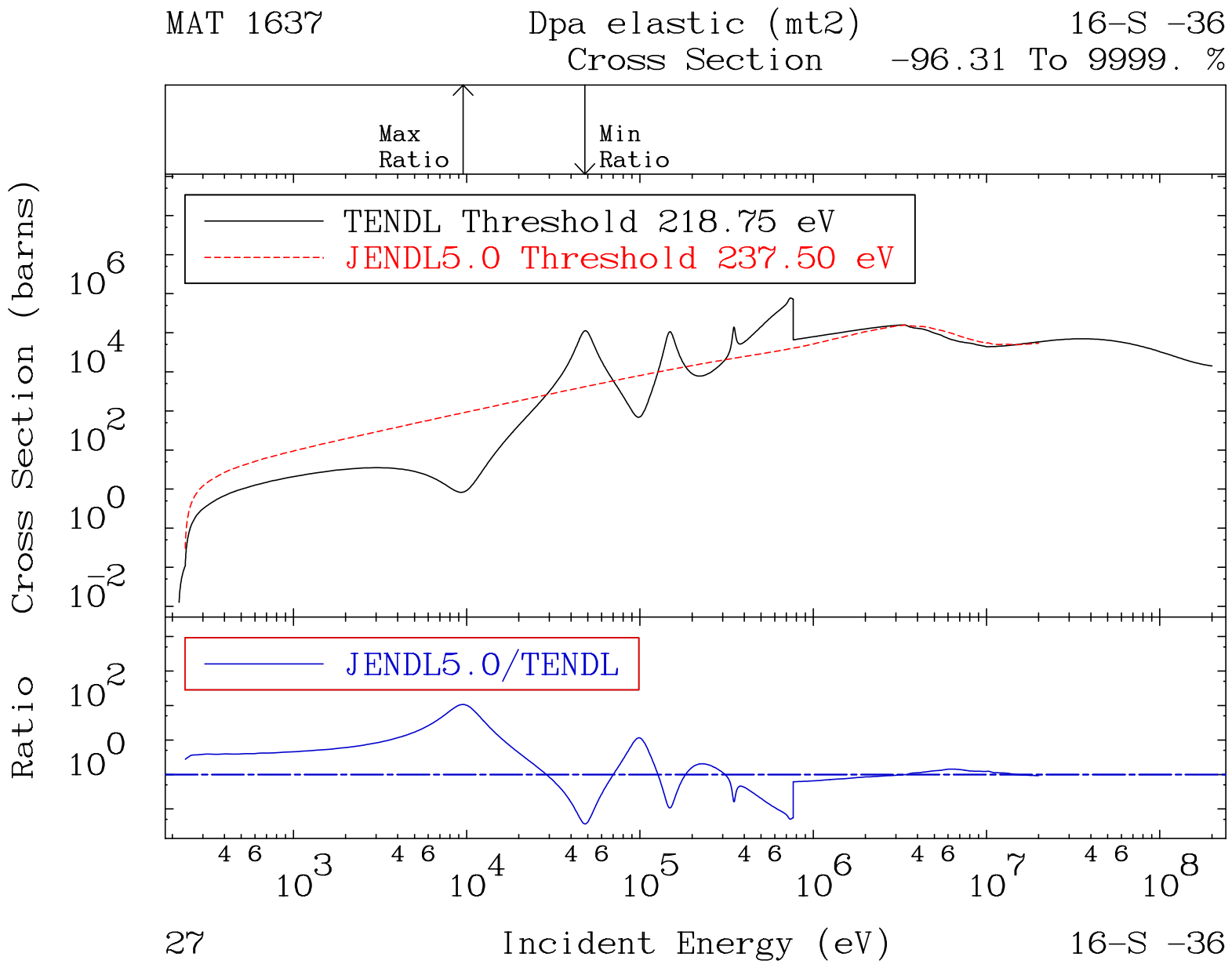

MAT 1637 Kerma fission (mt18 or mt19-20-21-38) 16-S -36
Cross Section -1090. To 457.2 %
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10
0
-10
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
22
Incident Energy (eV)
16-S -36

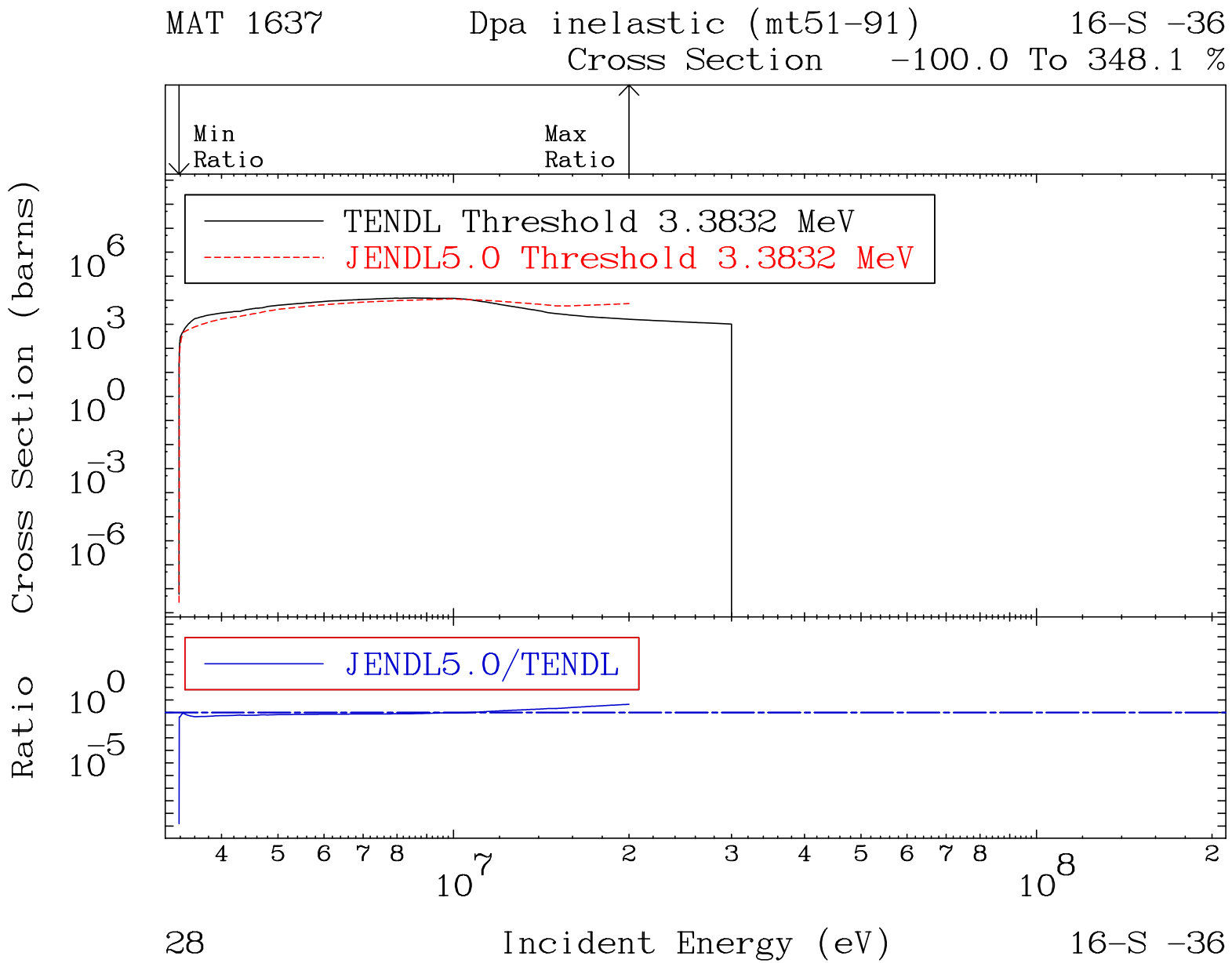

MAT 1637
Kerma capture (mt102)
16-S -36
Cross Section -98.25 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
23
16-S -36

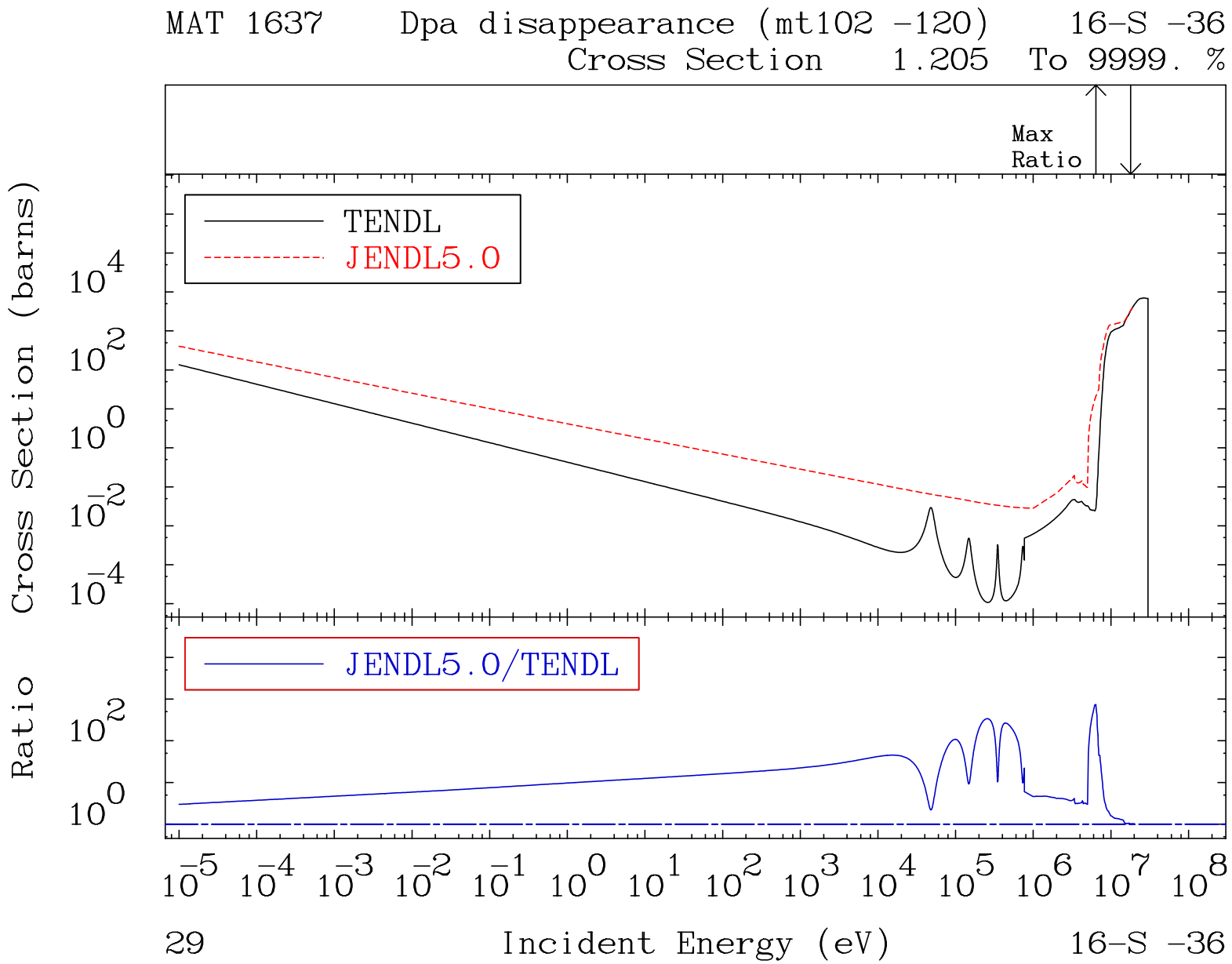

MAT 1637
Total photon (eV-barns)
16-S -36
Cross Section -79.61 To 2909. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
24
16-S -36

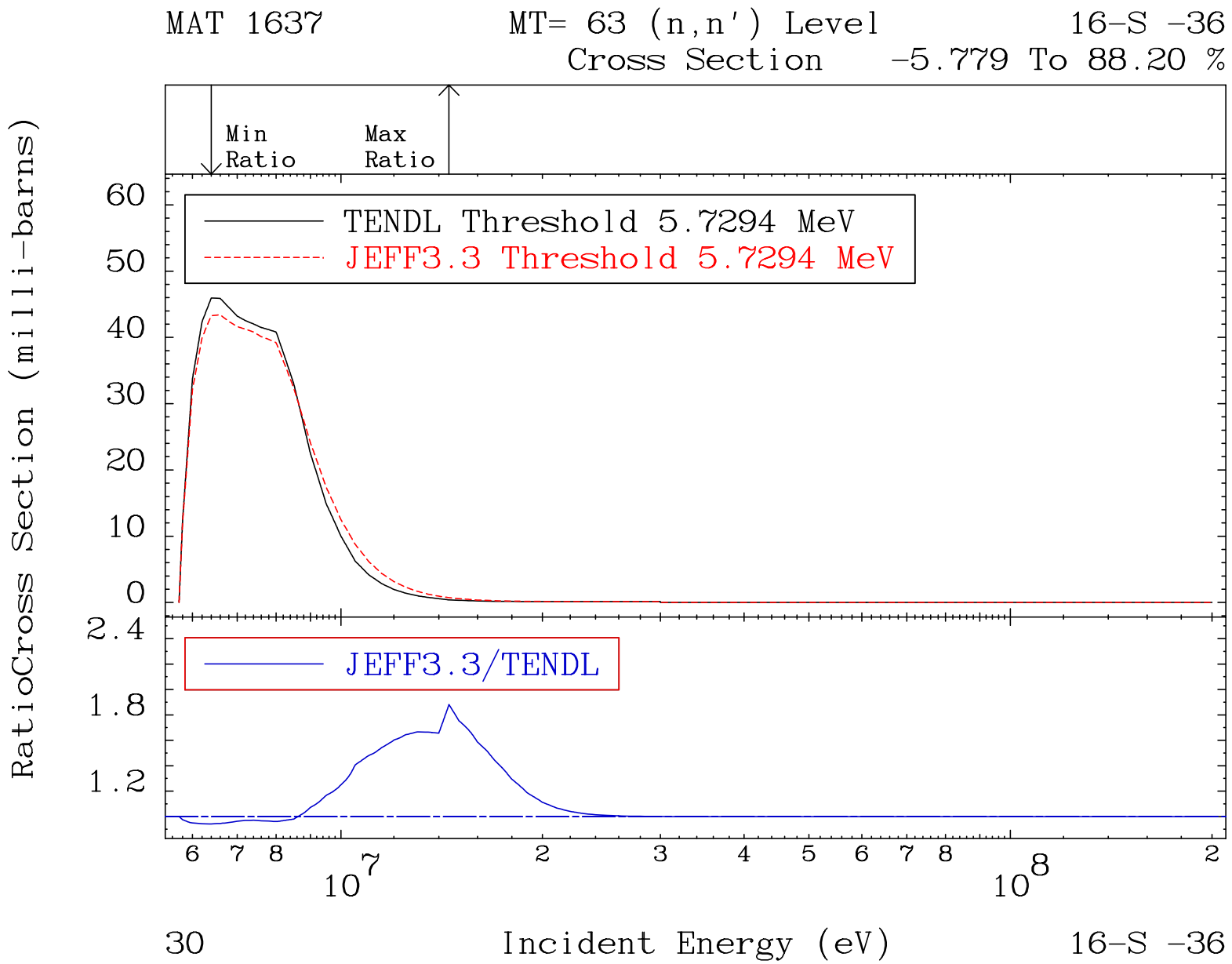

MAT 1637 Total kinematic kerma (high limit) 16-S -36
Cross Section -96.31 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
25
16-S -36

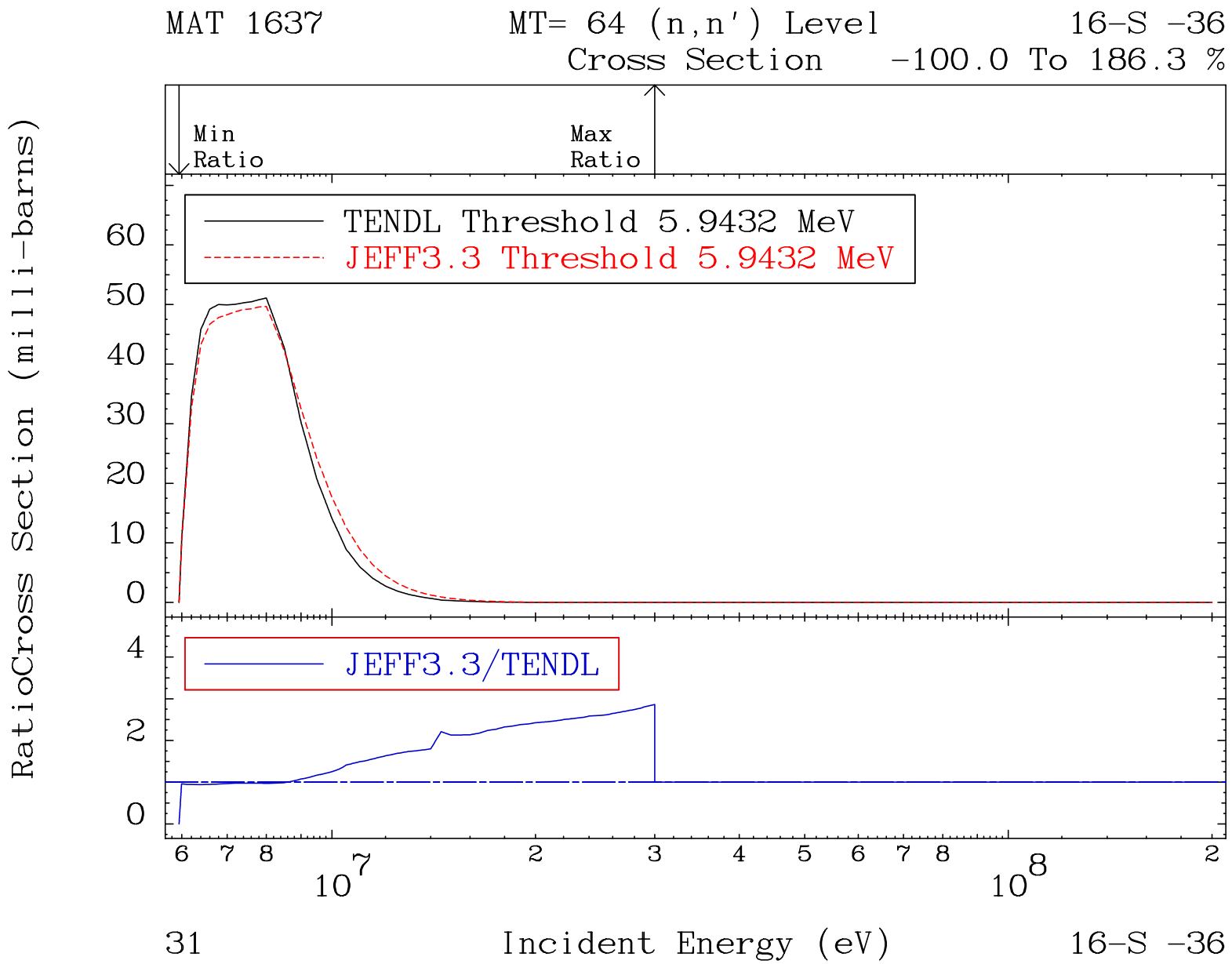

MAT 1637
Dpa total (eV-barns)
16-S -36
Cross Section -96.31 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
26
16-S -36

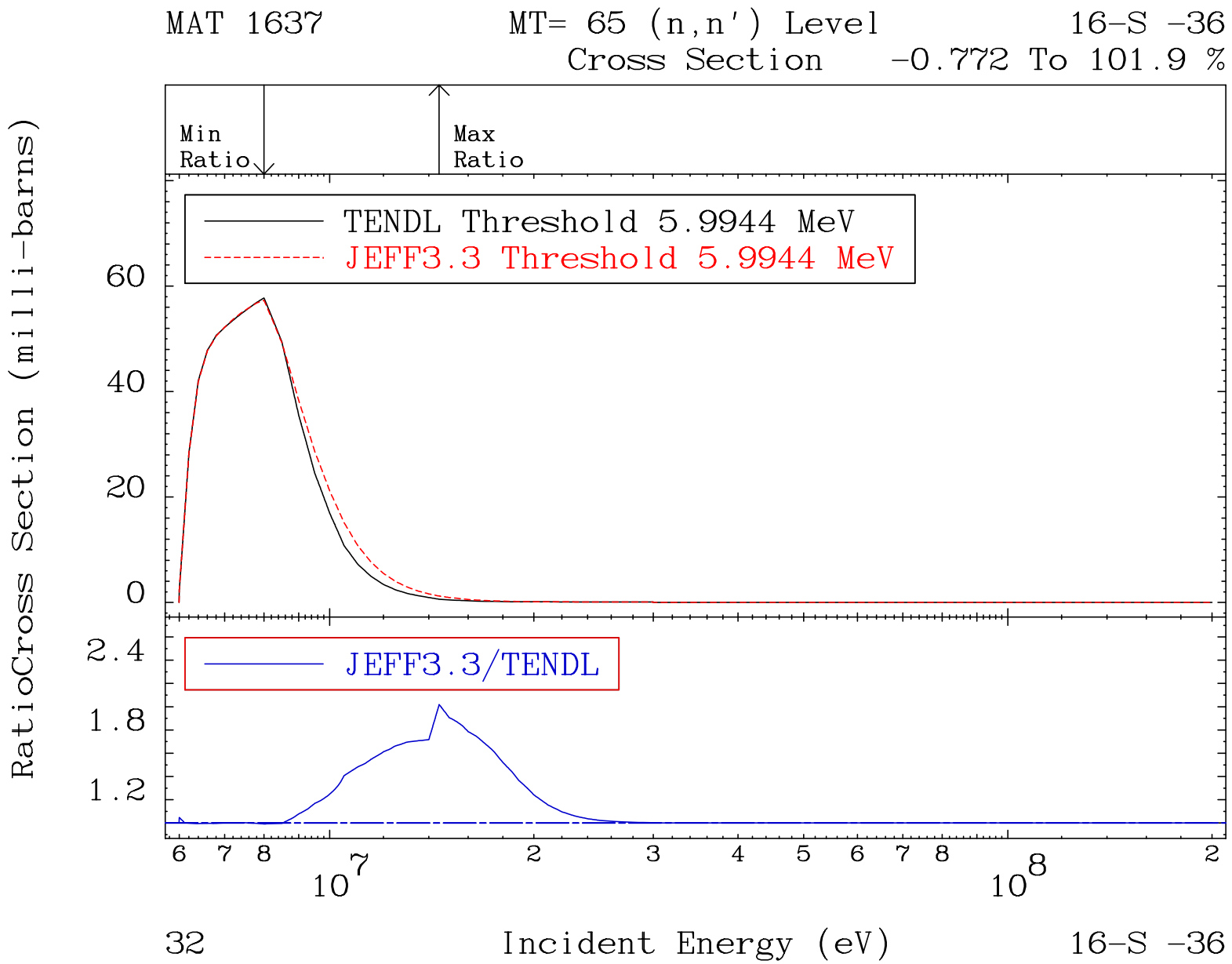

MAT 1637
Dpa elastic (mt2)
Cross Section
16-S -36
-96.31 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 218.75 eV
JENDL5.0 Threshold 237.50 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
27
16-S -36

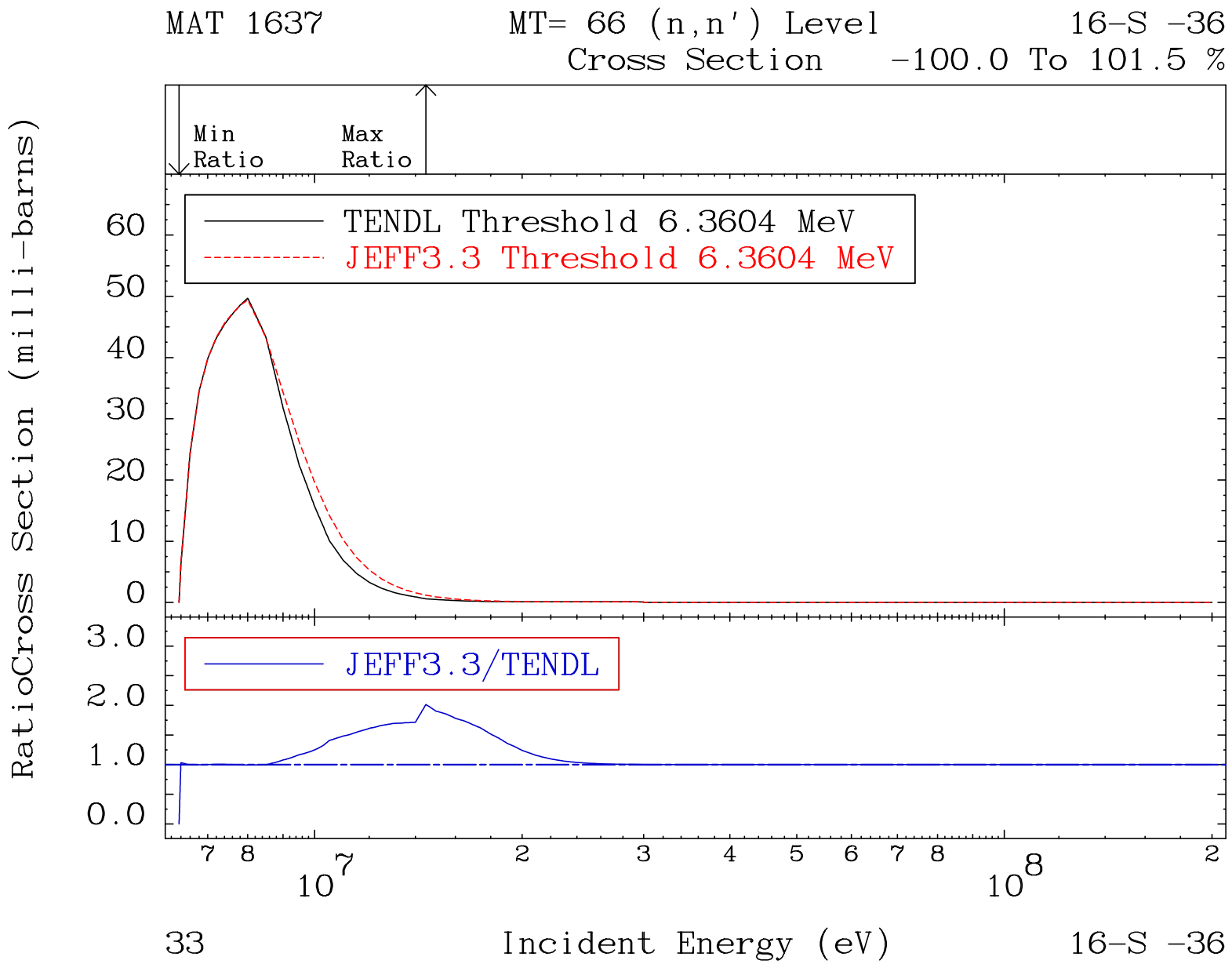

MAT 1637
Dpa inelastic (mt51-91)
16-S -36
Cross Section -100.0 To 348.1 %
Min Ratio
Max Ratio
TENDL Threshold 3.3832 MeV
JENDL5.0 Threshold 3.3832 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
16-S -36

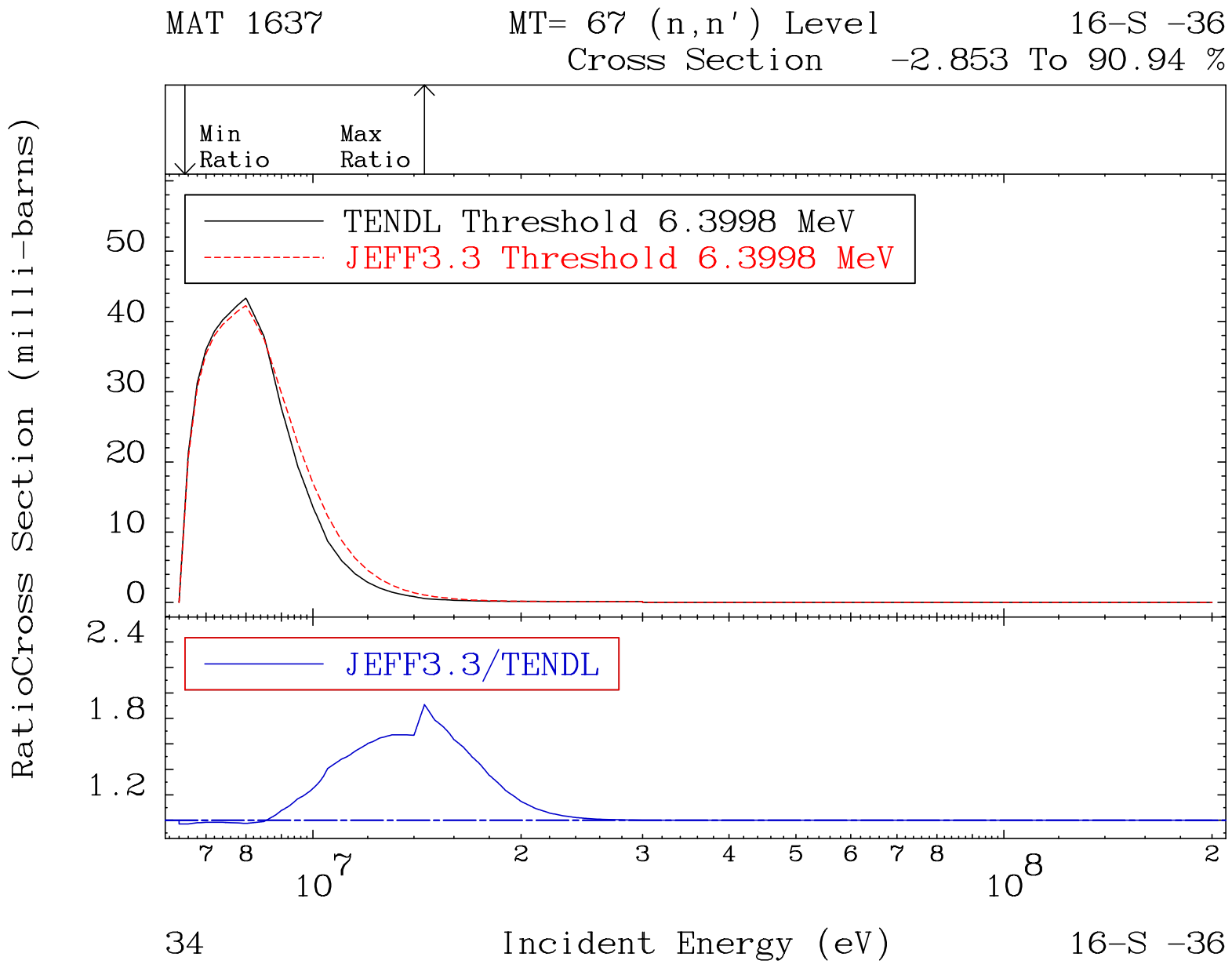

MAT 1637 Dpa disappearance (mt102 -120) 16-S -36
Cross Section 1.205 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
16-S -36

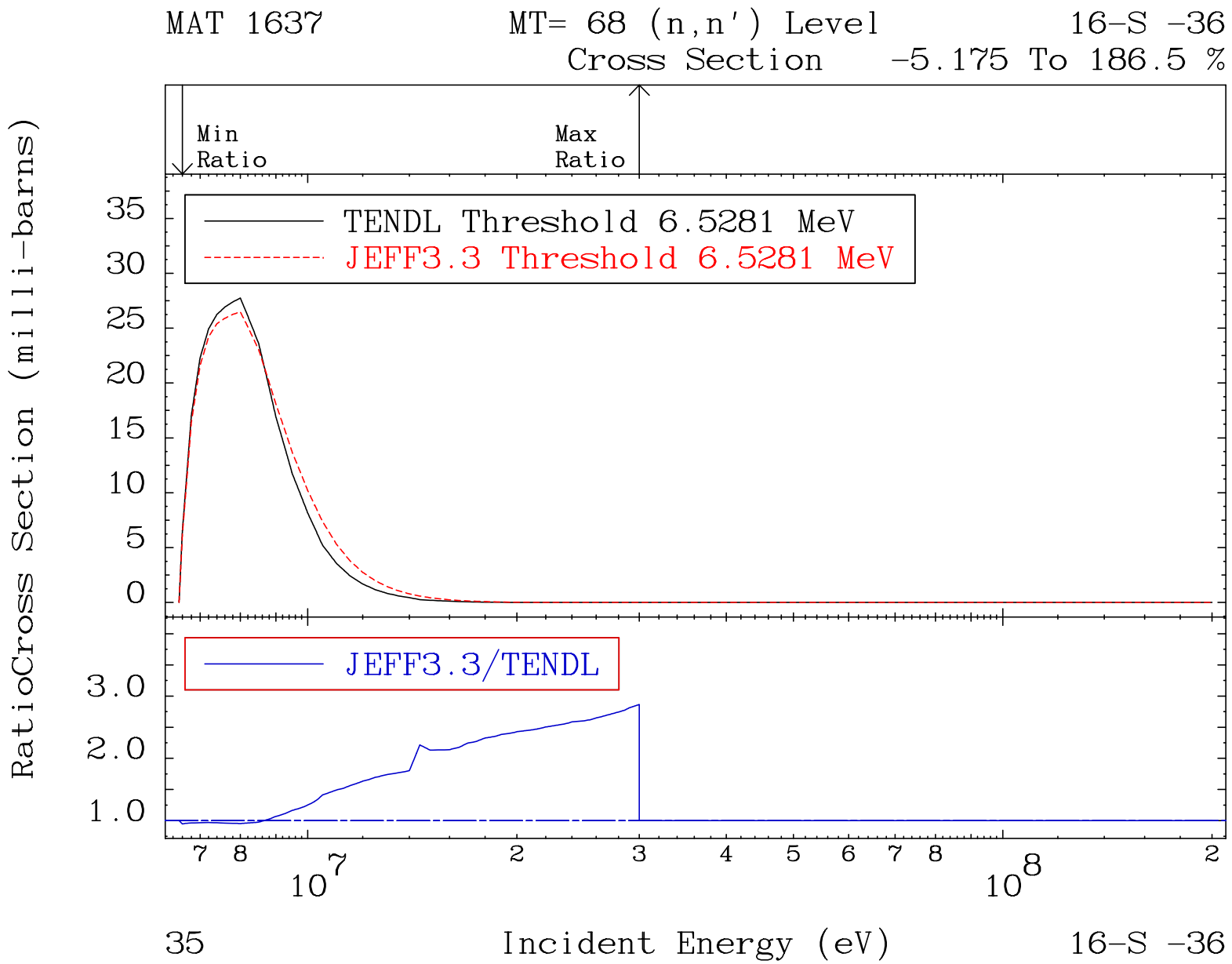

MAT 1637
MT= 63 (n,n') Level
16-S -36
Cross Section
-5.779 To 88.20 %
Min Ratio
Max Ratio
TENDL Threshold 5.7294 MeV
JEFF3.3 Threshold 5.7294 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
16-S -36

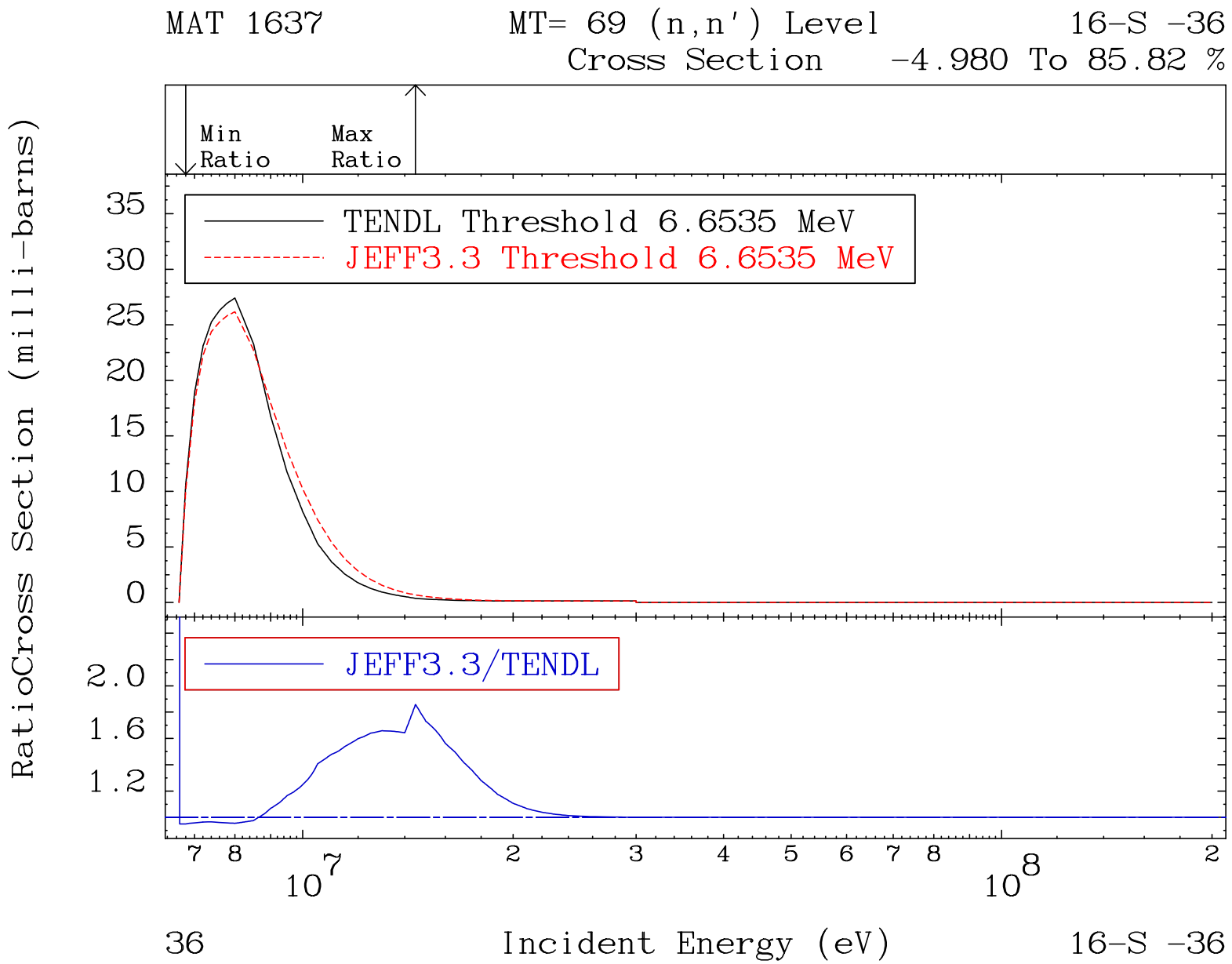

MAT 1637
MT= 64 (n,n') Level
16-S -36
Cross Section -100.0 To 186.3 %
Min Ratio
Max Ratio
TENDL Threshold 5.9432 MeV
JEFF3.3 Threshold 5.9432 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
16-S -36

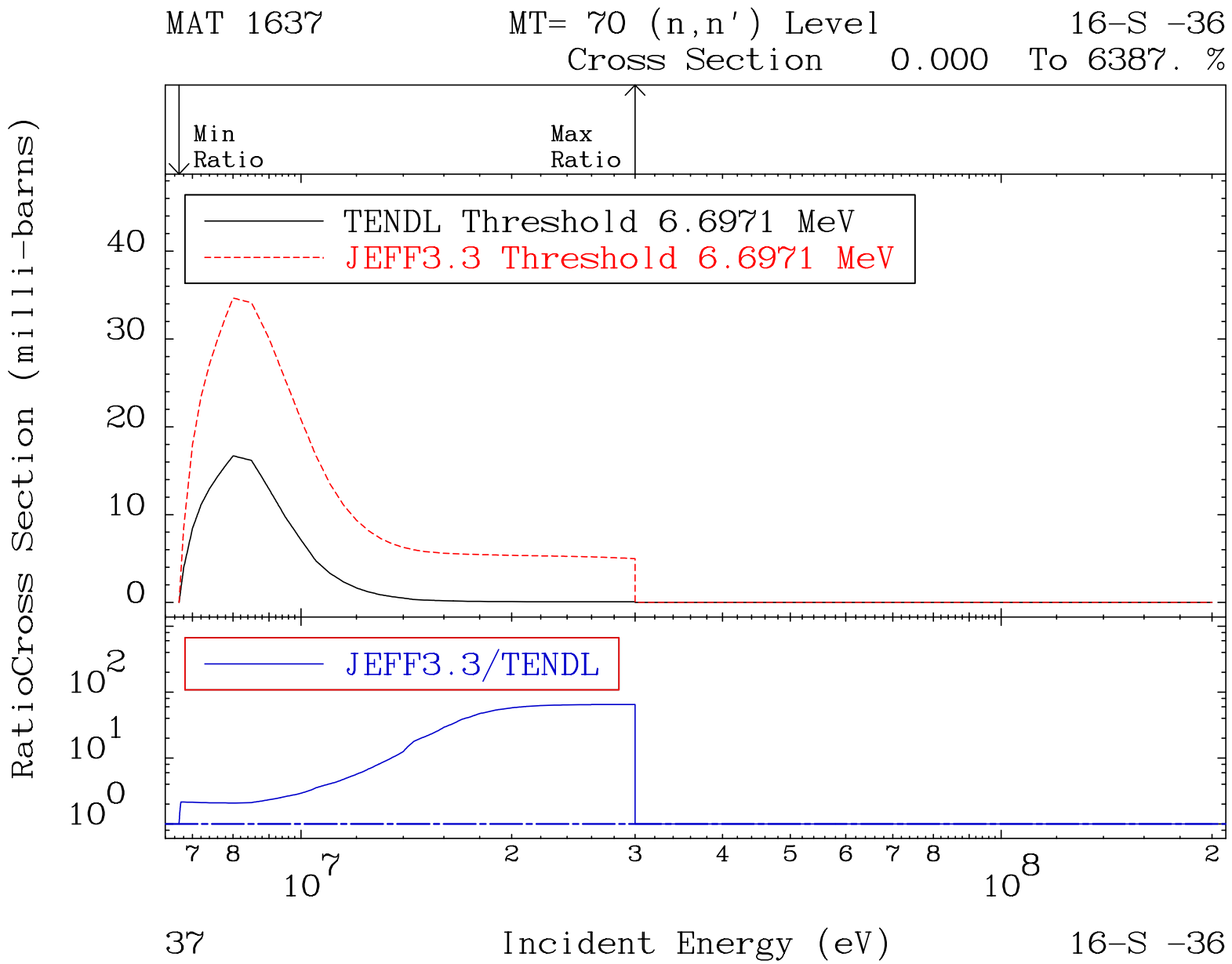

MAT 1637
MT= 65 (n,n') Level
16-S -36
Cross Section -0.772 To 101.9 %
Min Ratio
Max Ratio
TENDL Threshold 5.9944 MeV
JEFF3.3 Threshold 5.9944 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.4
1.8
1.2
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
16-S -36

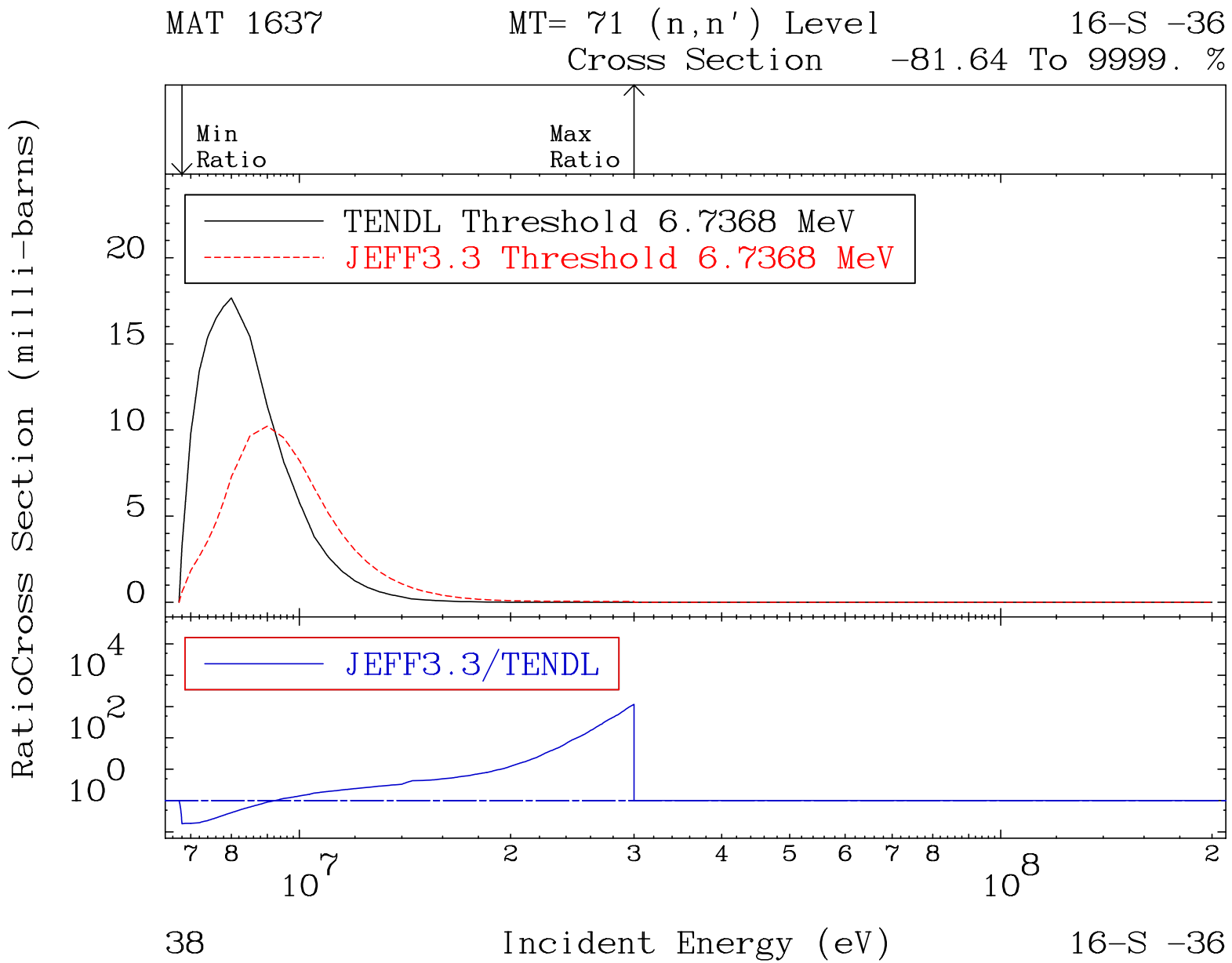

MAT 1637
MT= 66 (n,n') Level
16-S -36
Cross Section -100.0 To 101.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.3604 MeV
JEFF3.3 Threshold 6.3604 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
33
Incident Energy (eV)
16-S -36

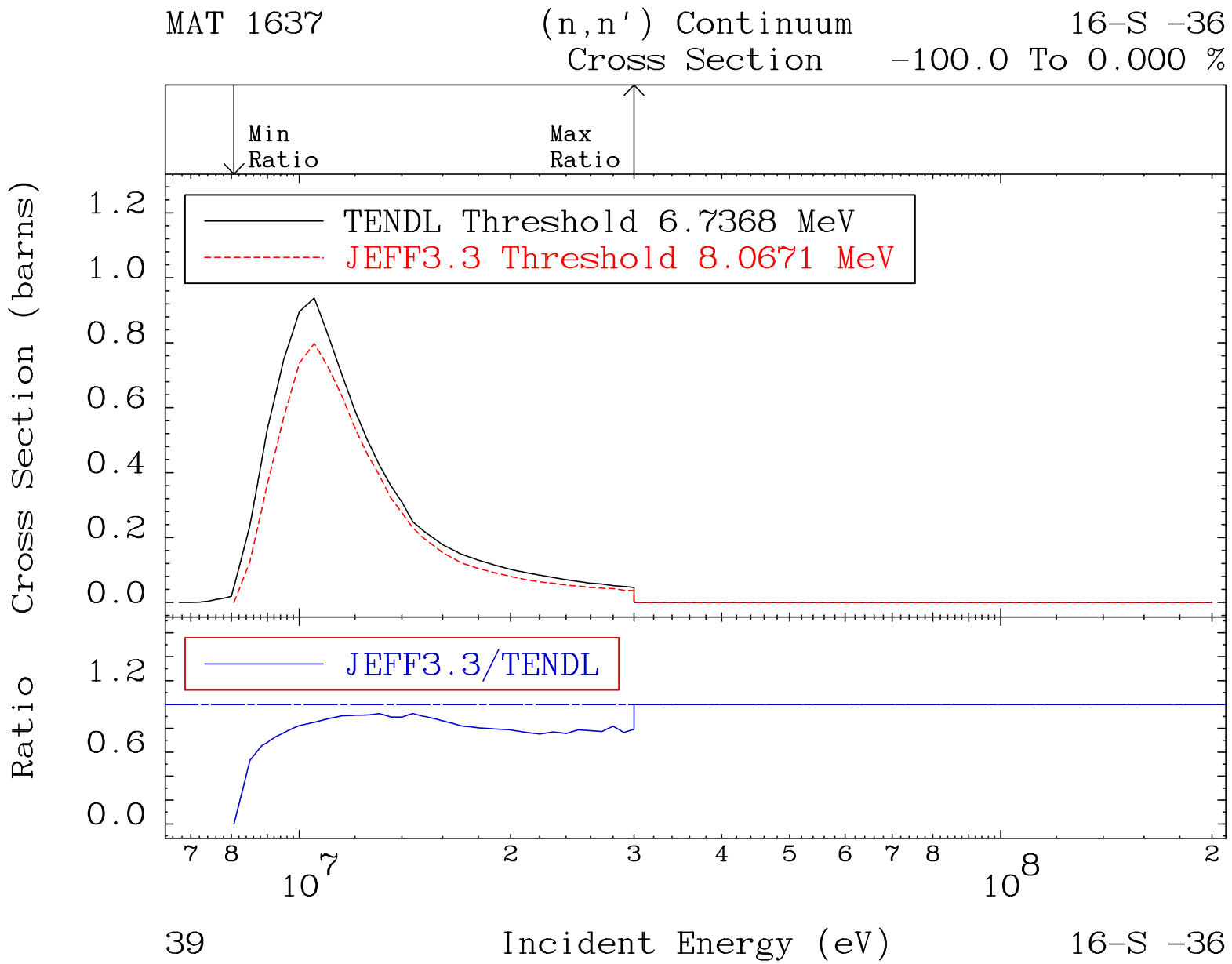

MAT 1637
MT= 67 (n,n') Level
16-S -36
Cross Section
-2.853 To 90.94 %
Min Ratio
Max Ratio
TENDL Threshold 6.3998 MeV
JEFF3.3 Threshold 6.3998 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.4
1.8
1.2
7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
16-S -36

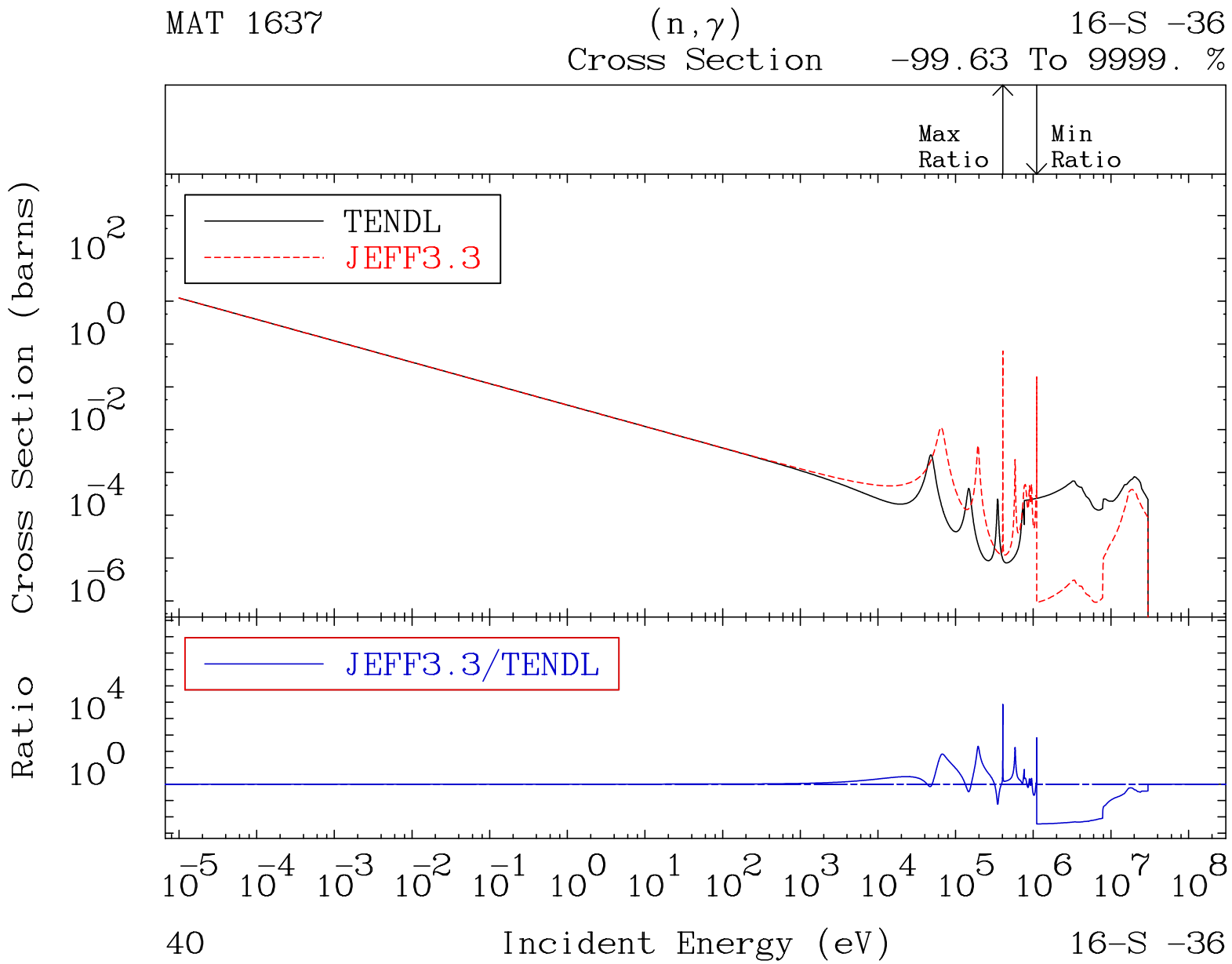

MAT 1637
MT= 68 (n,n') Level
16-S -36
Cross Section -5.175 To 186.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.5281 MeV
JEFF3.3 Threshold 6.5281 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
3.0
2.0
1.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
16-S -36

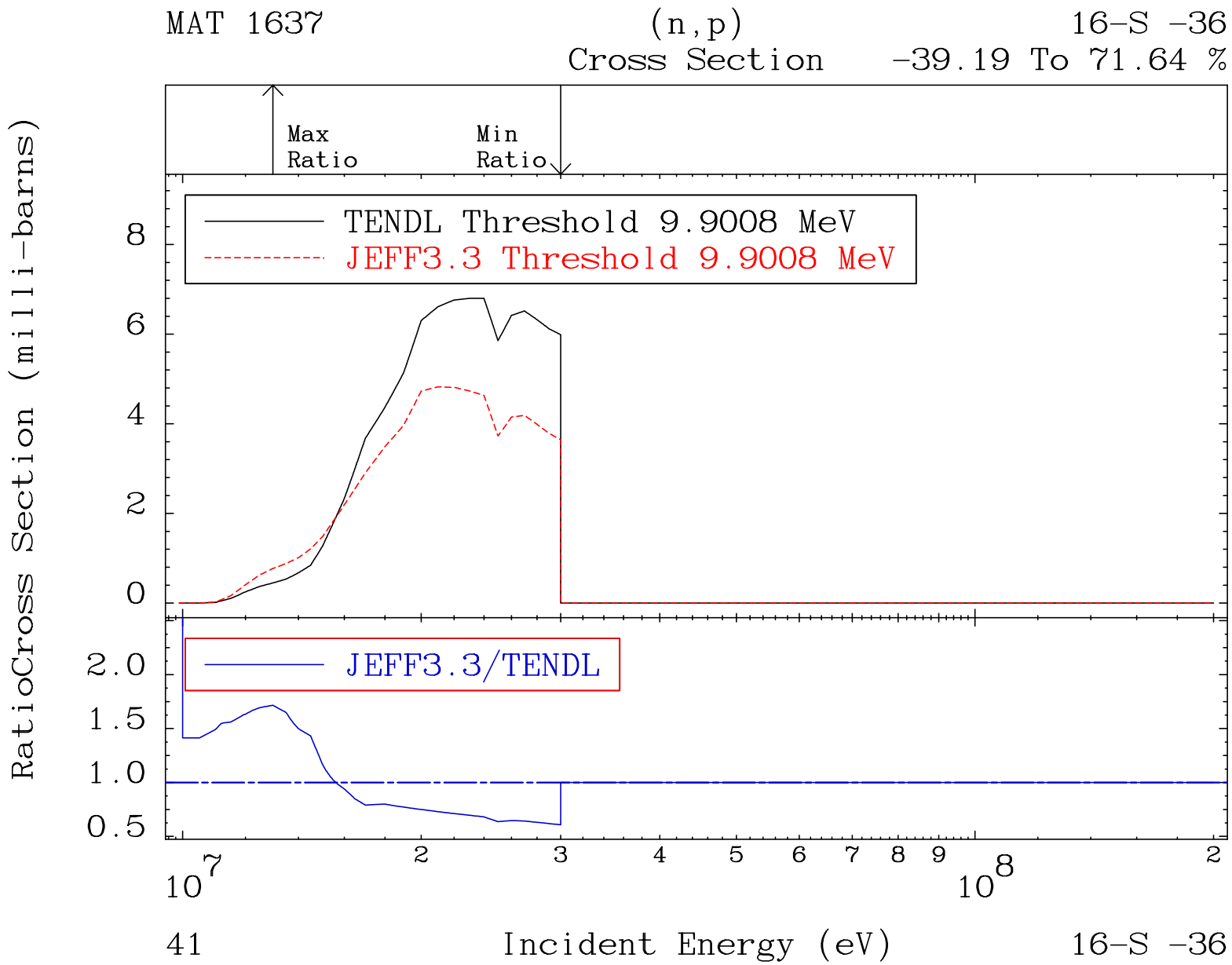

MAT 1637
MT= 69 (n,n') Level
16-S -36
Cross Section -4.980 To 85.82 %
Min Ratio
Max Ratio
TENDL Threshold 6.6535 MeV
JEFF3.3 Threshold 6.6535 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.6
1.2
7 8 10^7 2 3 4 5 6 7 8 10^8 2
36
Incident Energy (eV)
16-S -36

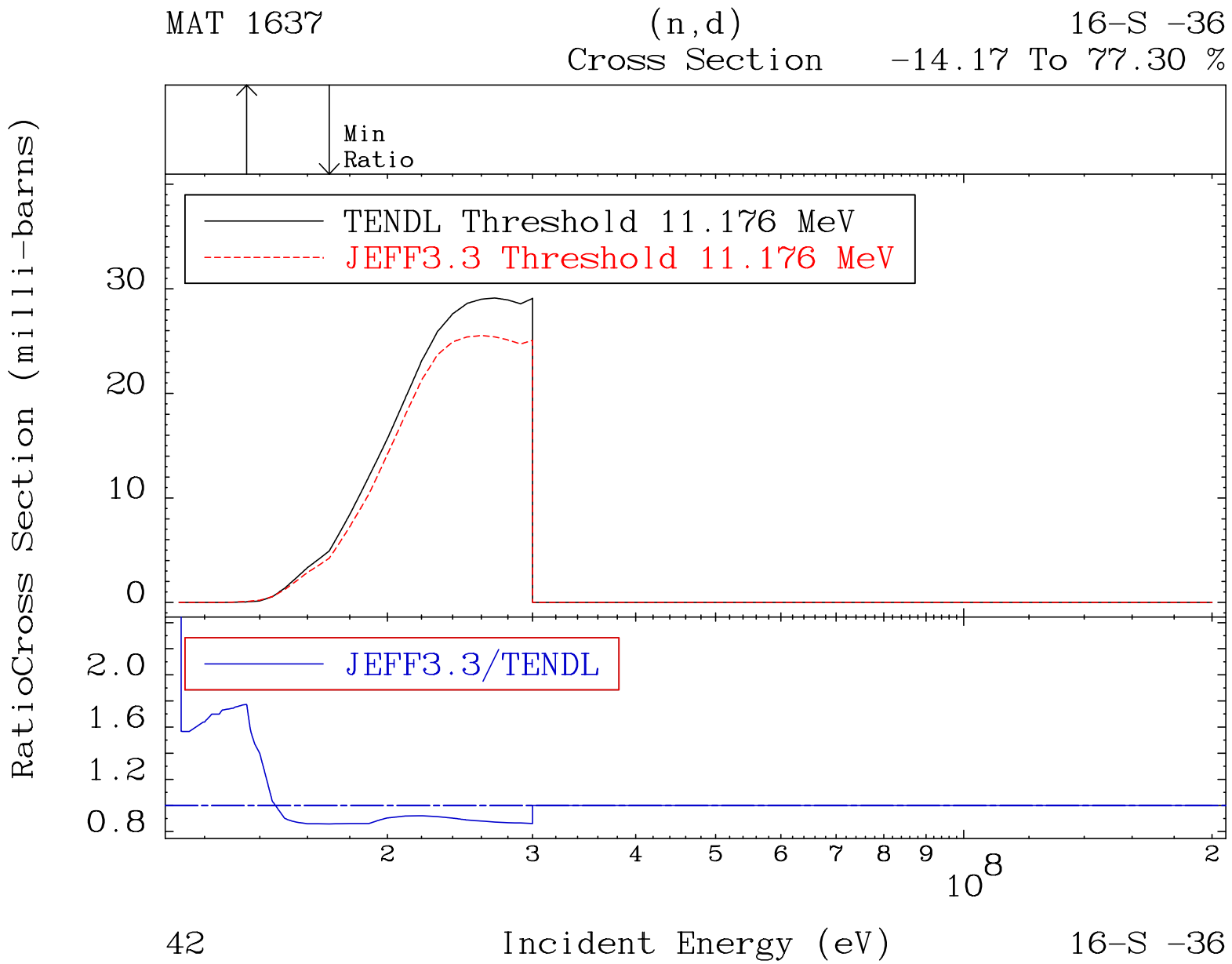

MAT 1637
MT= 70 (n,n') Level
16-S -36
Cross Section 0.000 To 6387. %
Min Ratio
Max Ratio
TENDL Threshold 6.6971 MeV
JEFF3.3 Threshold 6.6971 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^2
10^1
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
16-S -36

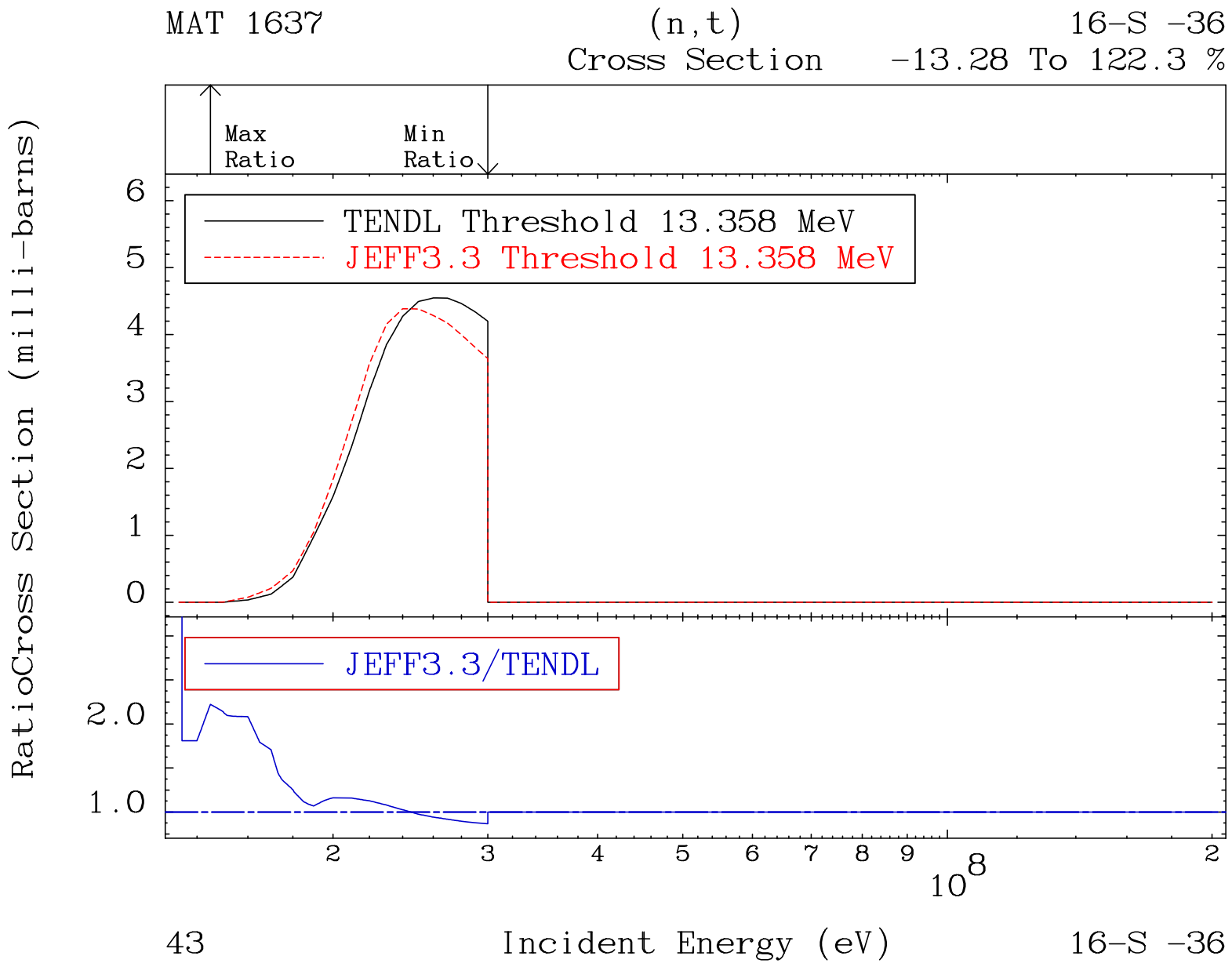

MAT 1637
MT= 71 (n,n') Level
16-S -36
Cross Section -81.64 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.7368 MeV
JEFF3.3 Threshold 6.7368 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
10^4
10^2
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
16-S -36

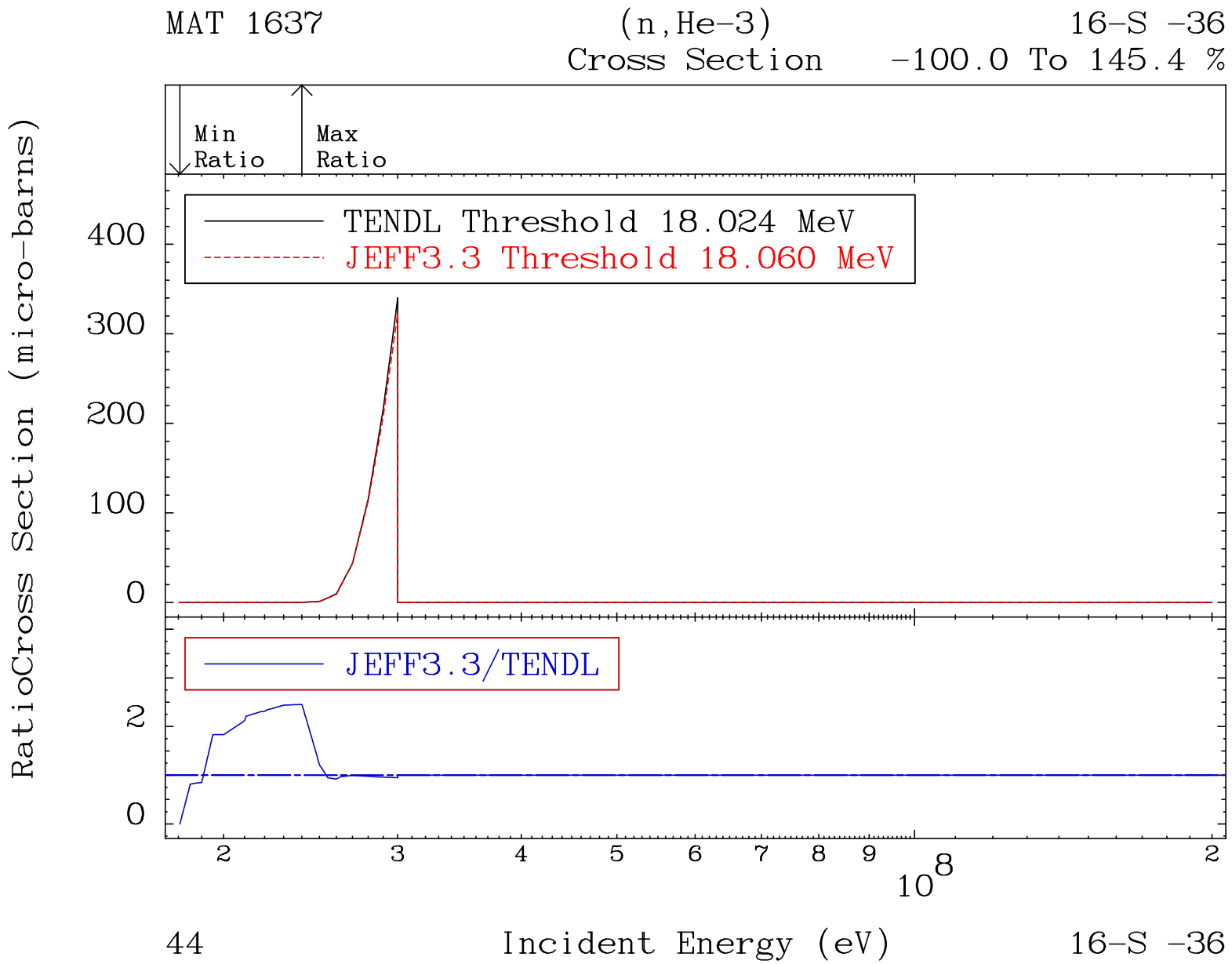

MAT 1637
(n,n') Continuum
Cross Section
16-S -36
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.7368 MeV
JEFF3.3 Threshold 8.0671 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
16-S -36

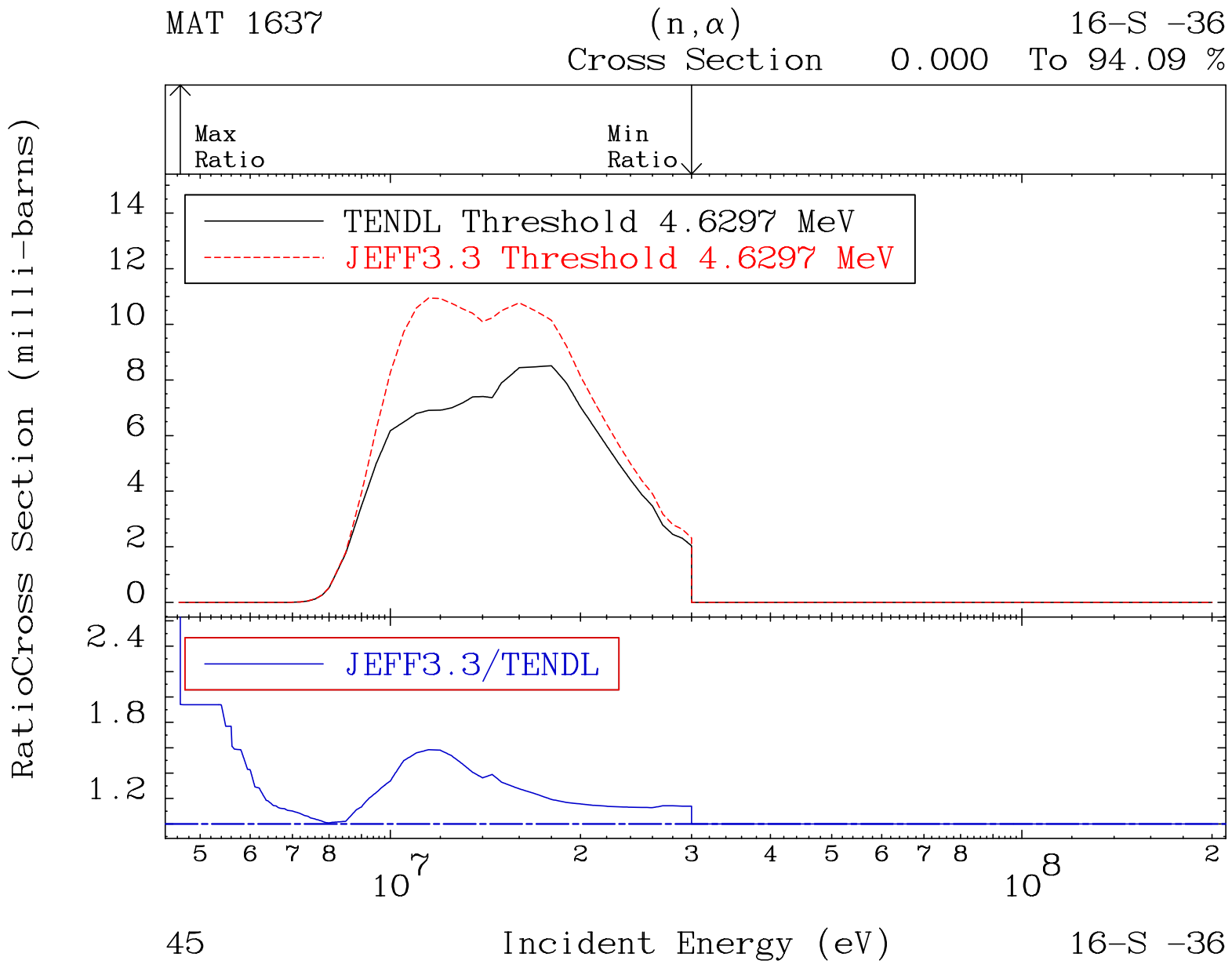

MAT 1637
(n,γ)
16-S -36
Cross Section
-99.63 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
16-S -36

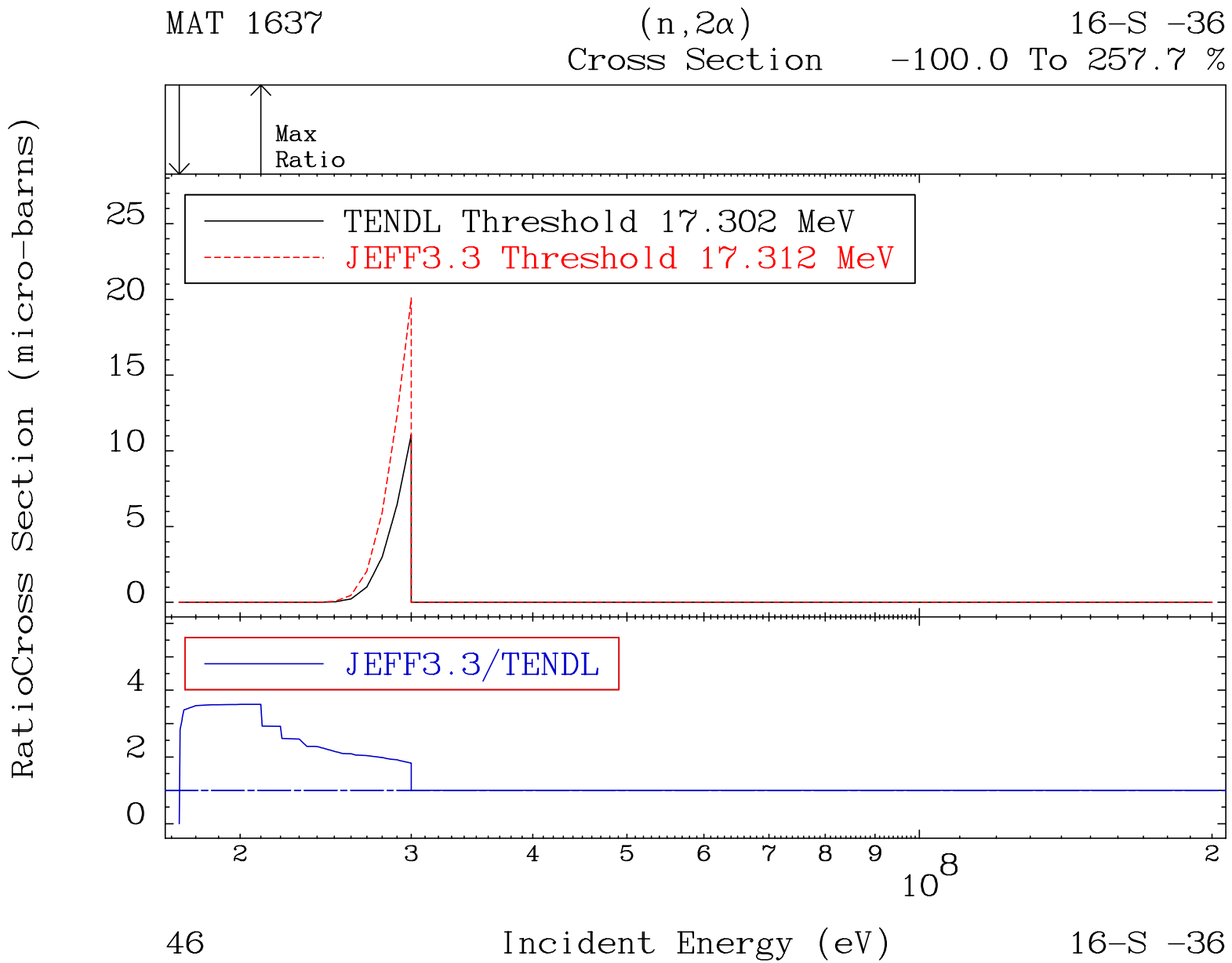

MAT 1637
(n,p)
16-S -36
Cross Section
-39.19 To 71.64 %
Max Ratio
Min Ratio
TENDL Threshold 9.9008 MeV
JEFF3.3 Threshold 9.9008 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
16-S -36

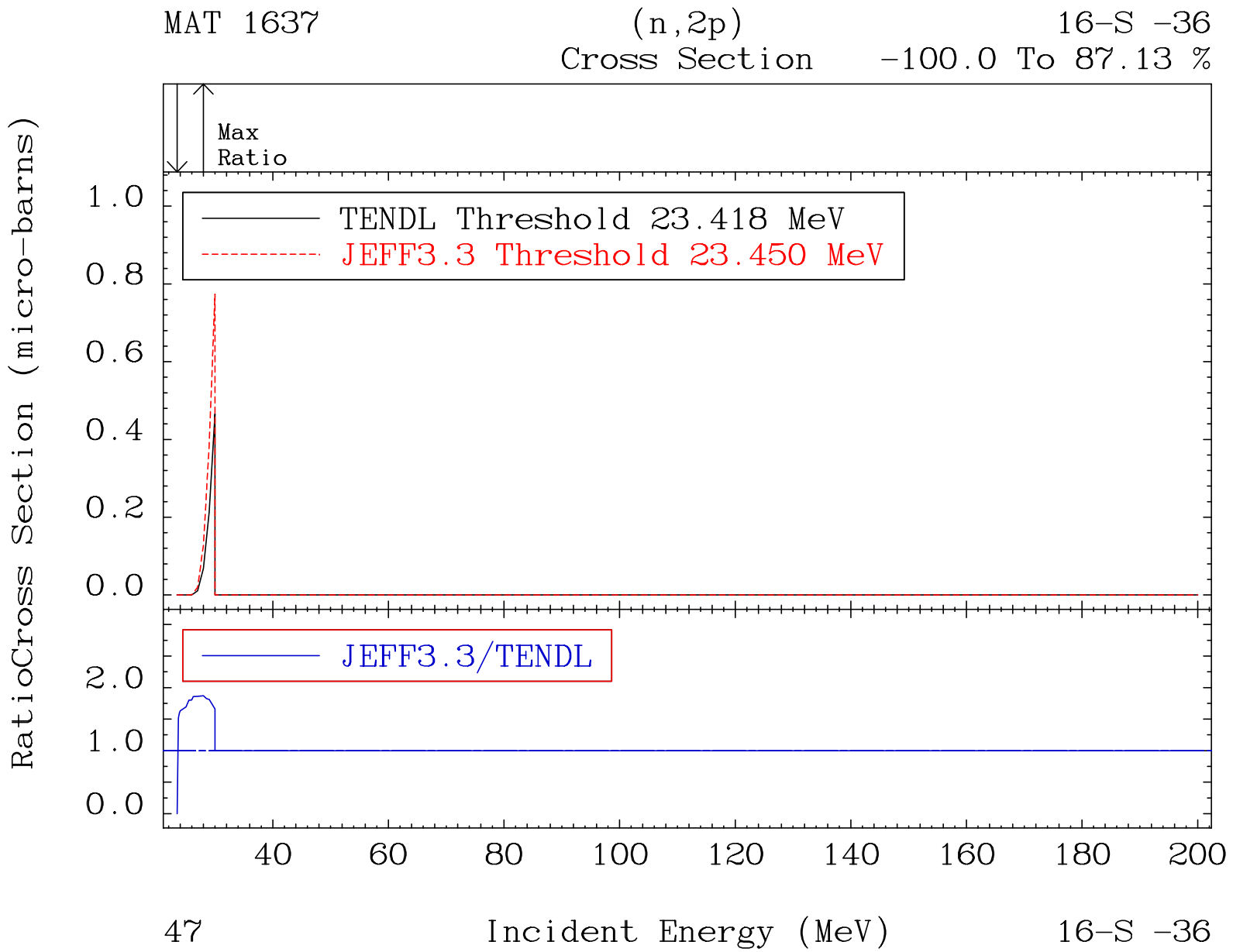

MAT 1637
(n,d)
16-S -36
Cross Section
-14.17 To 77.30 %
Min
Ratio
TENDL Threshold 11.176 MeV
JEFF3.3 Threshold 11.176 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
2
10^8
42
Incident Energy (eV)
16-S -36

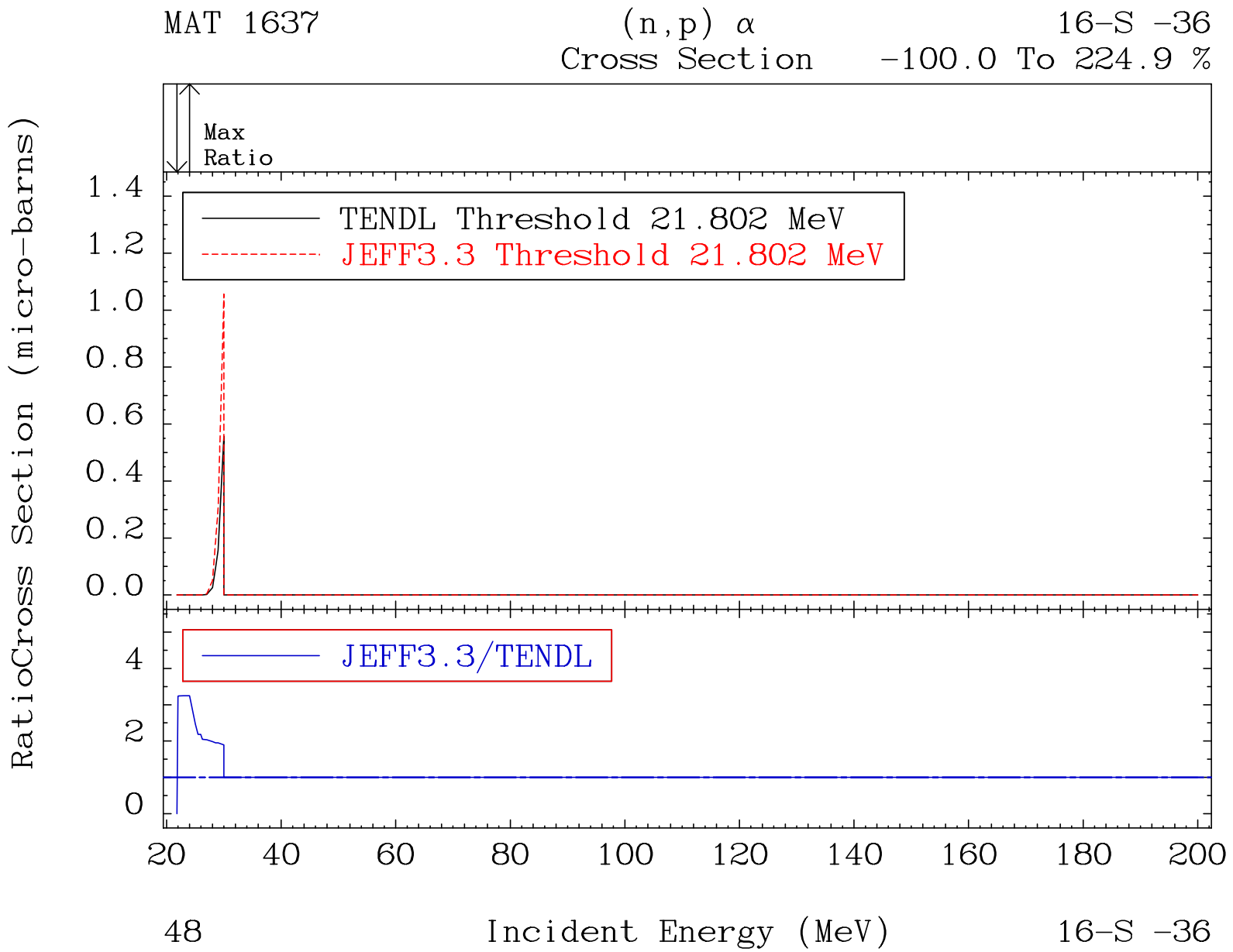

MAT 1637
(n,t)
16-S -36
Cross Section
-13.28 To 122.3 %
Max Ratio
Min Ratio
TENDL Threshold 13.358 MeV
JEFF3.3 Threshold 13.358 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
43
16-S -36

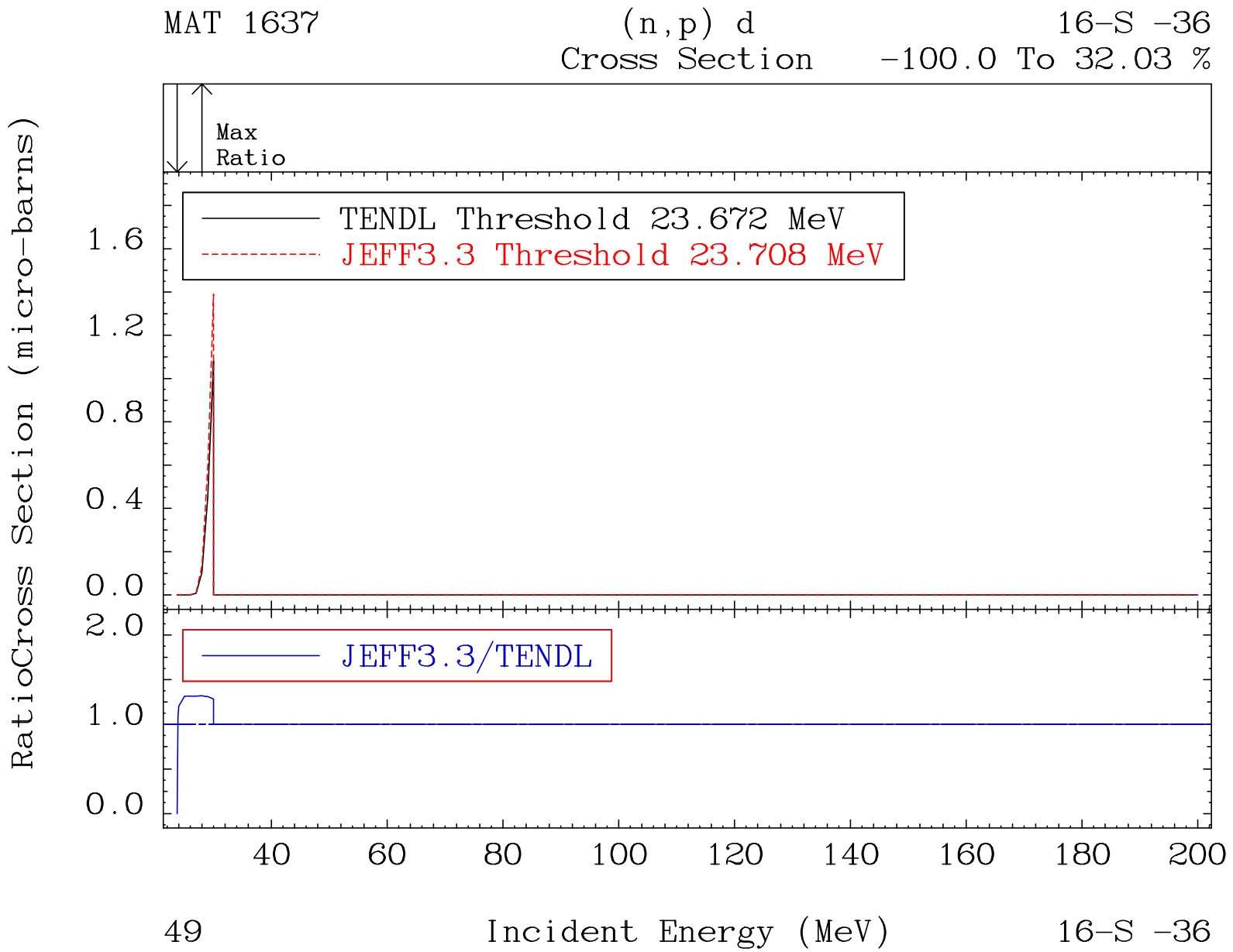

MAT 1637
(n,He-3)
16-S -36
Cross Section
-100.0 To 145.4 %
Min Ratio
Max Ratio
TENDL Threshold 18.024 MeV
JEFF3.3 Threshold 18.060 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
2
0
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
16-S -36

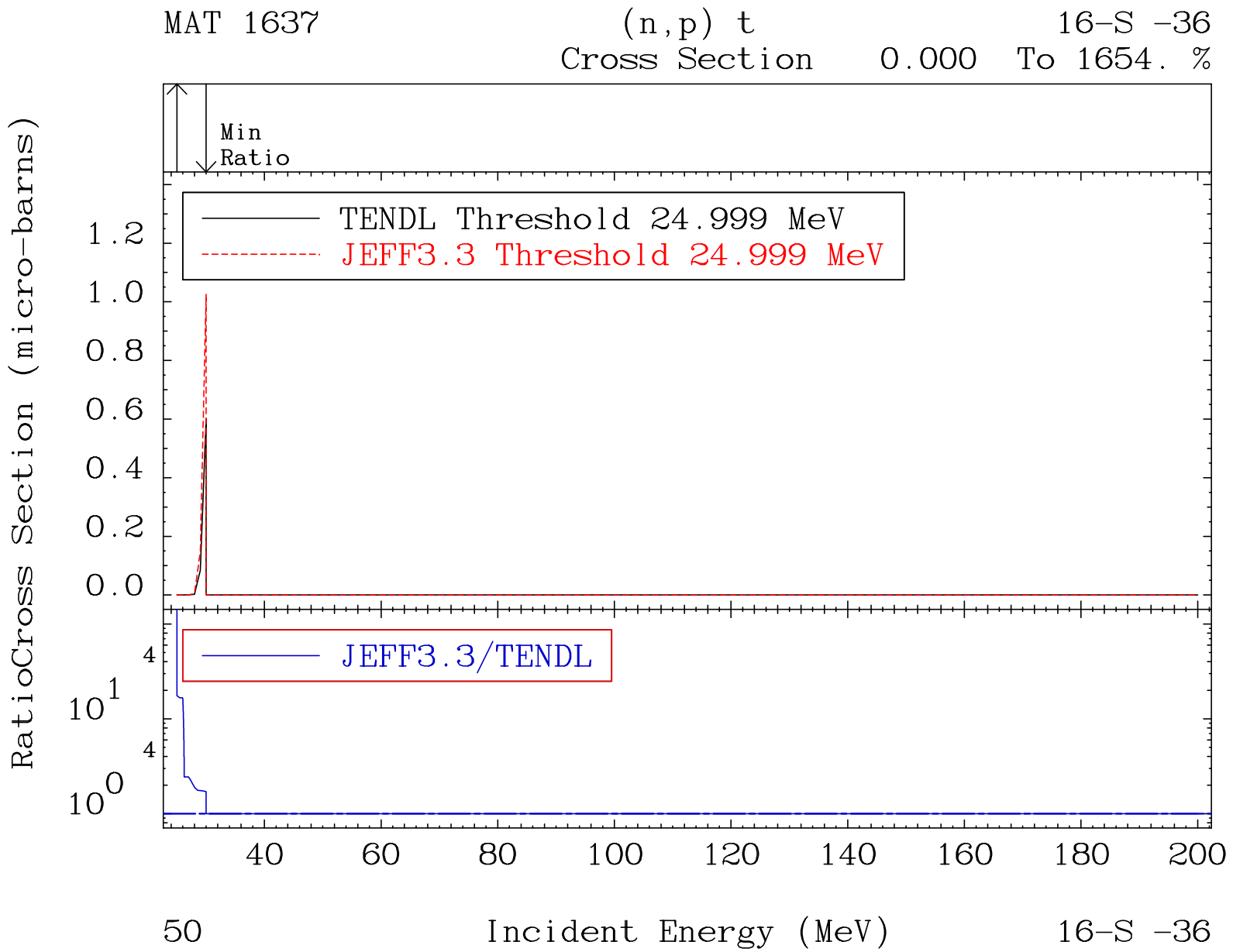

MAT 1637
(n,α)
16-S -36
Cross Section 0.000 To 94.09 %
Max Ratio
Min Ratio
TENDL Threshold 4.6297 MeV
JEFF3.3 Threshold 4.6297 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
2.4
1.8
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
16-S -36

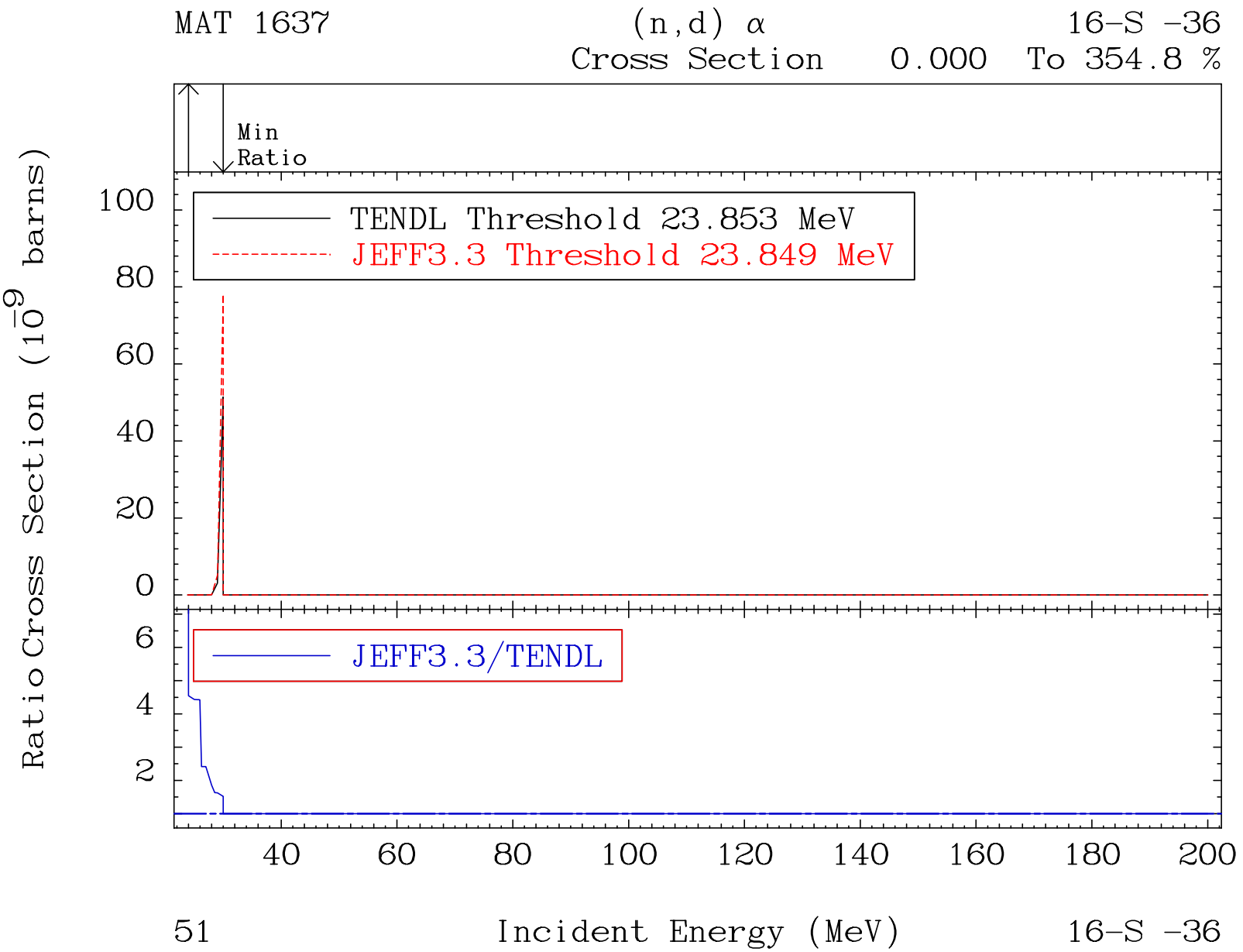

MAT 1637
(n,2α)
16-S -36
Cross Section
-100.0 To 257.7 %
Max
Ratio
TENDL Threshold 17.302 MeV
JEFF3.3 Threshold 17.312 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
25
20
15
10
5
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
16-S -36

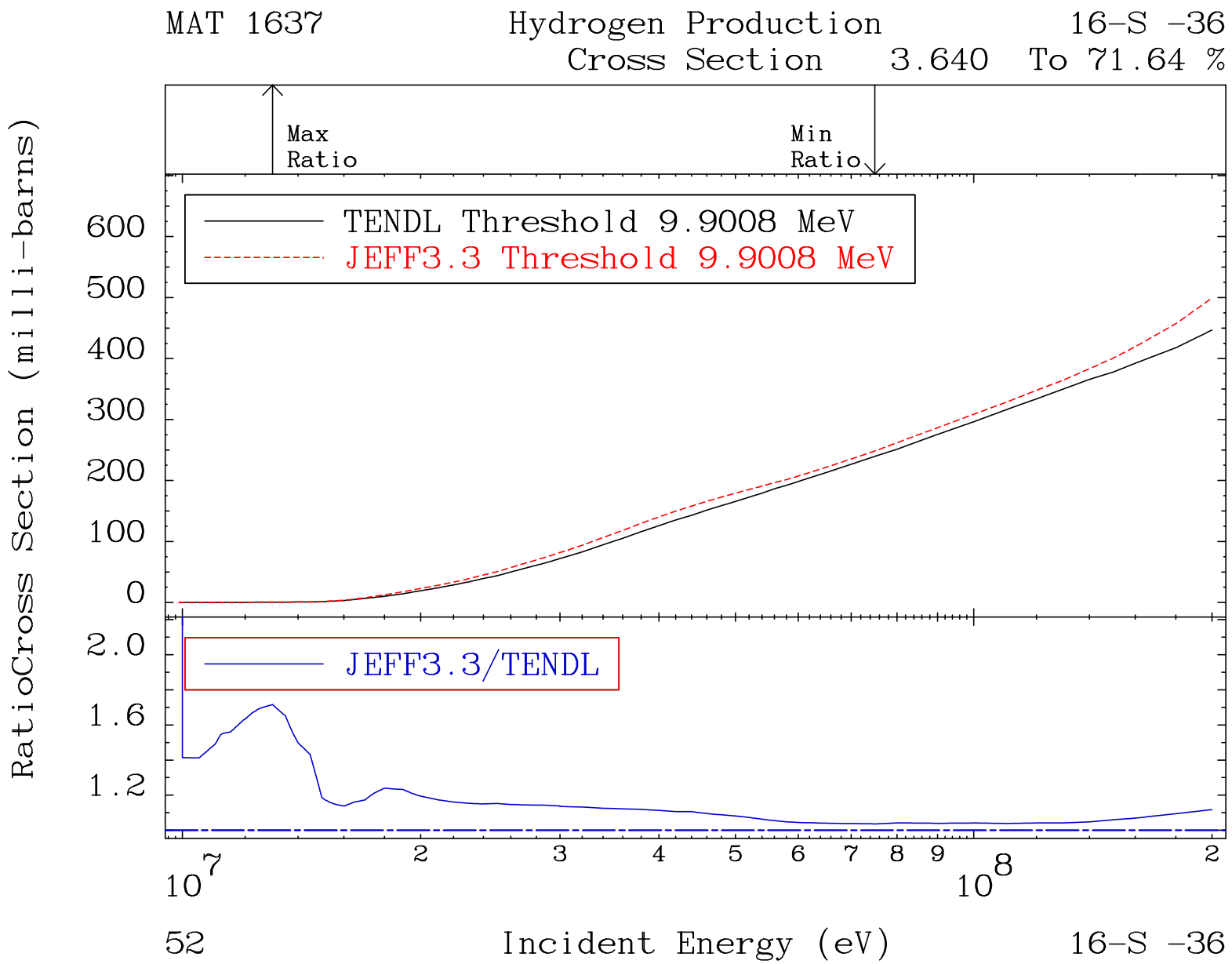

MAT 1637
(n,2p)
16-S -36
Cross Section
-100.0 To 87.13 %
Max
Ratio
TENDL Threshold 23.418 MeV
JEFF3.3 Threshold 23.450 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
40
60
80
100
120
140
160
180
200
47
Incident Energy (MeV)
16-S -36

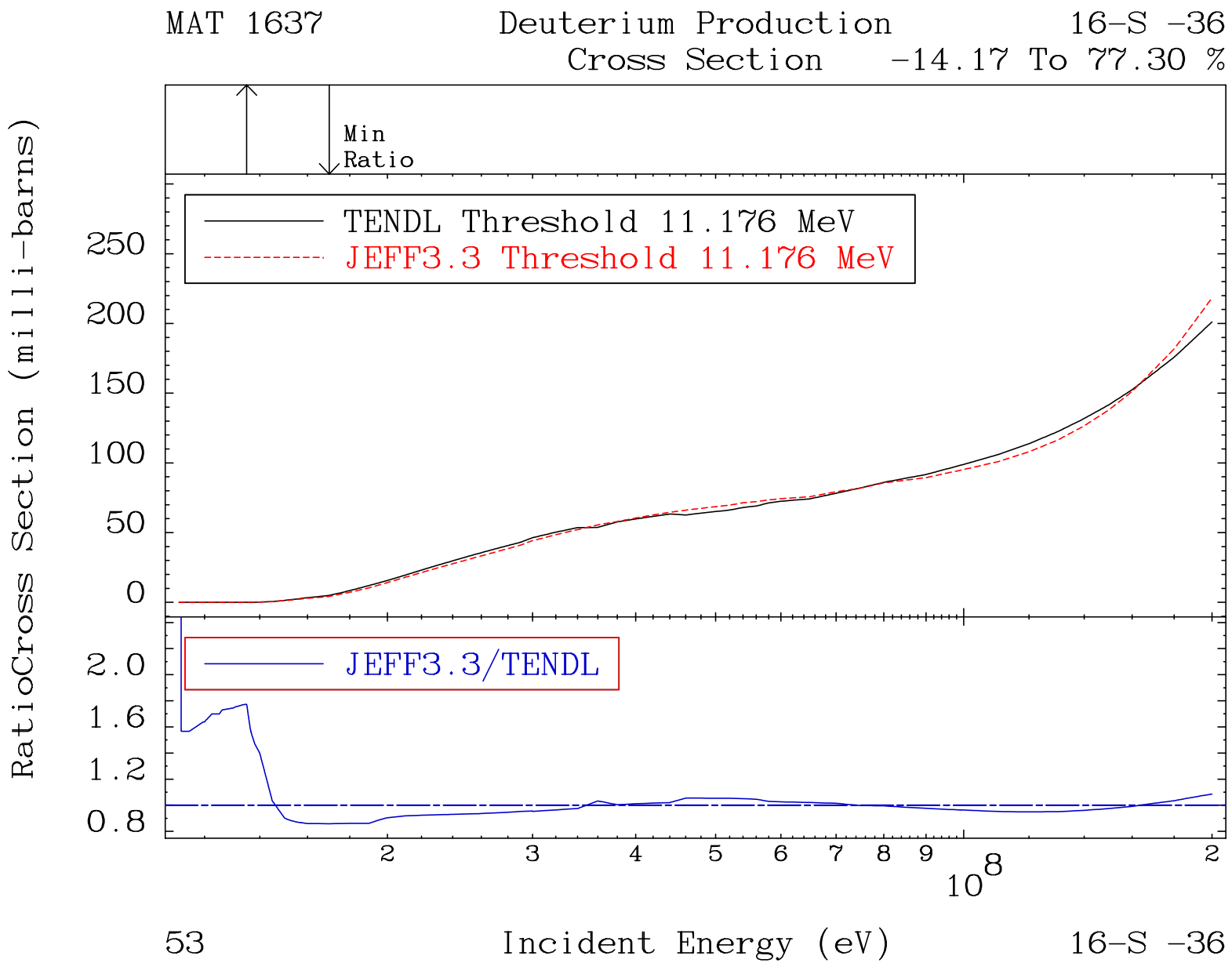

MAT 1637
(n,p) α
16-S -36
Cross Section
-100.0 To 224.9 %
Max
Ratio
TENDL Threshold 21.802 MeV
JEFF3.3 Threshold 21.802 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4
2
0
20
40
60
80
100
120
140
160
180
200
48
Incident Energy (MeV)
16-S -36

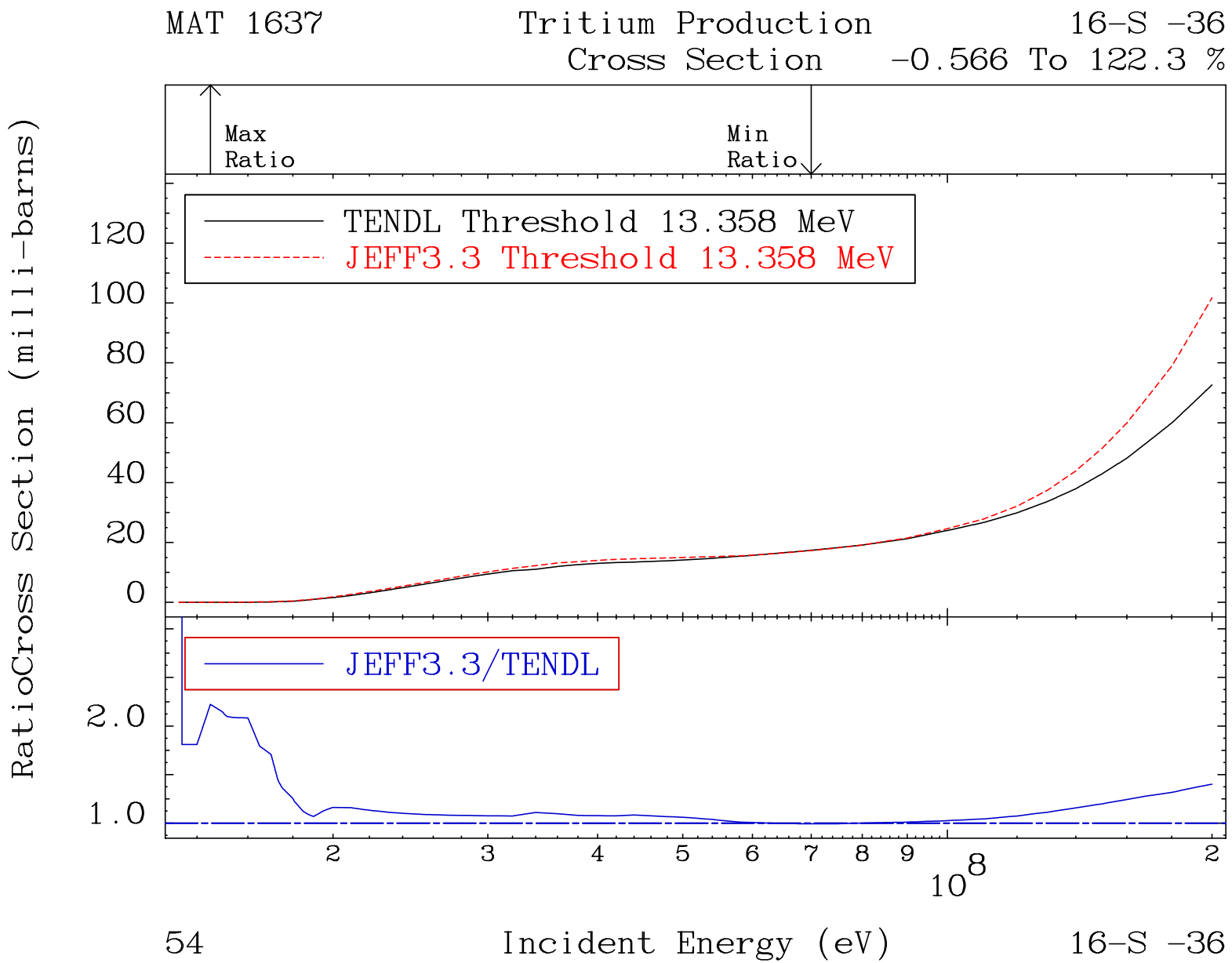

MAT 1637
(n,p) d
Cross Section
16-S -36
-100.0 To 32.03 %
Max
Ratio
TENDL Threshold 23.672 MeV
JEFF3.3 Threshold 23.708 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
40
60
80
100
120
140
160
180
200
49
Incident Energy (MeV)
16-S -36

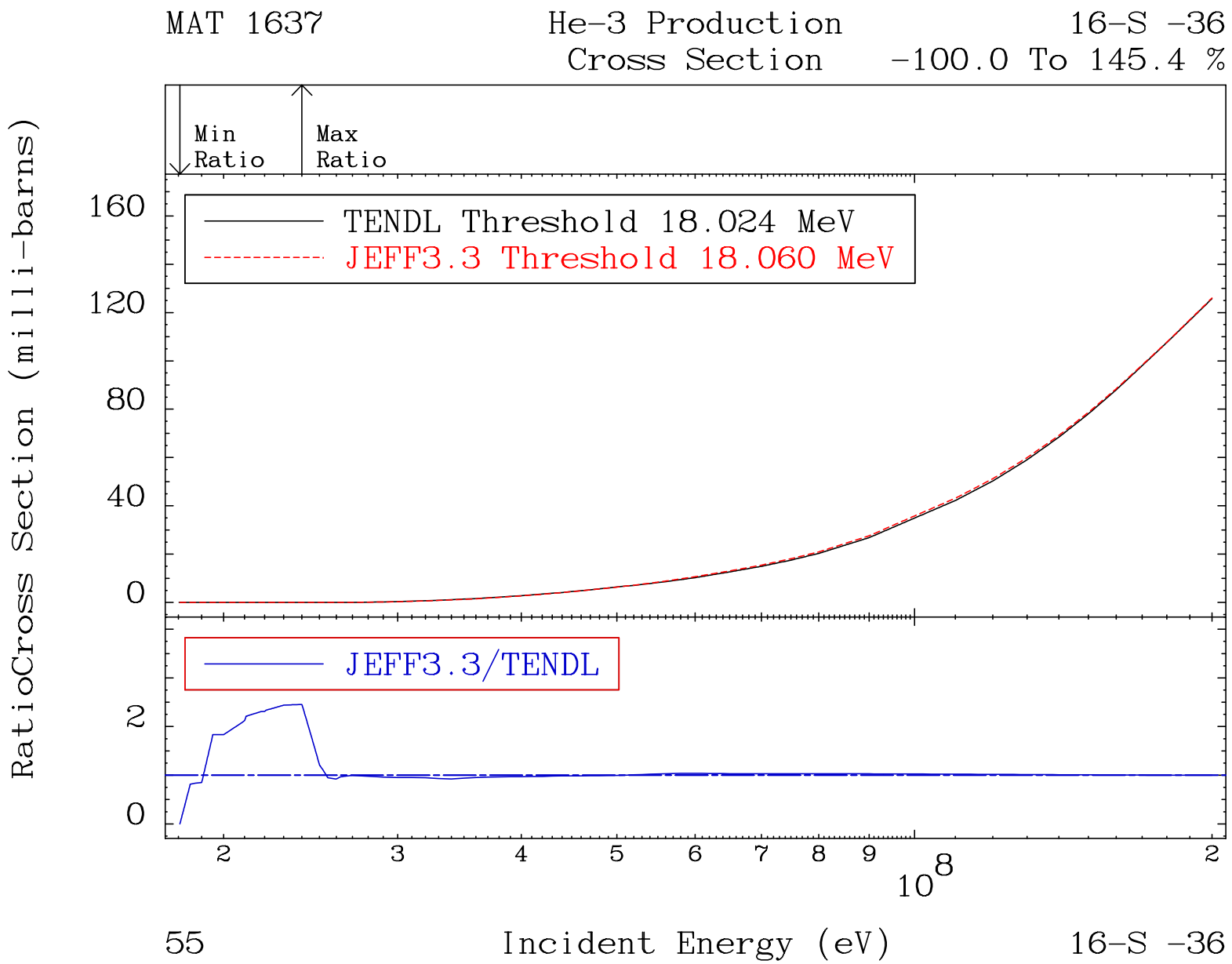

MAT 1637
(n,p) t
16-S -36
Cross Section 0.000 To 1654. %
Min
Ratio
TENDL Threshold 24.999 MeV
JEFF3.3 Threshold 24.999 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4
10^1
4
10^0
40
60
80
100
120
140
160
180
200
50
Incident Energy (MeV)
16-S -36

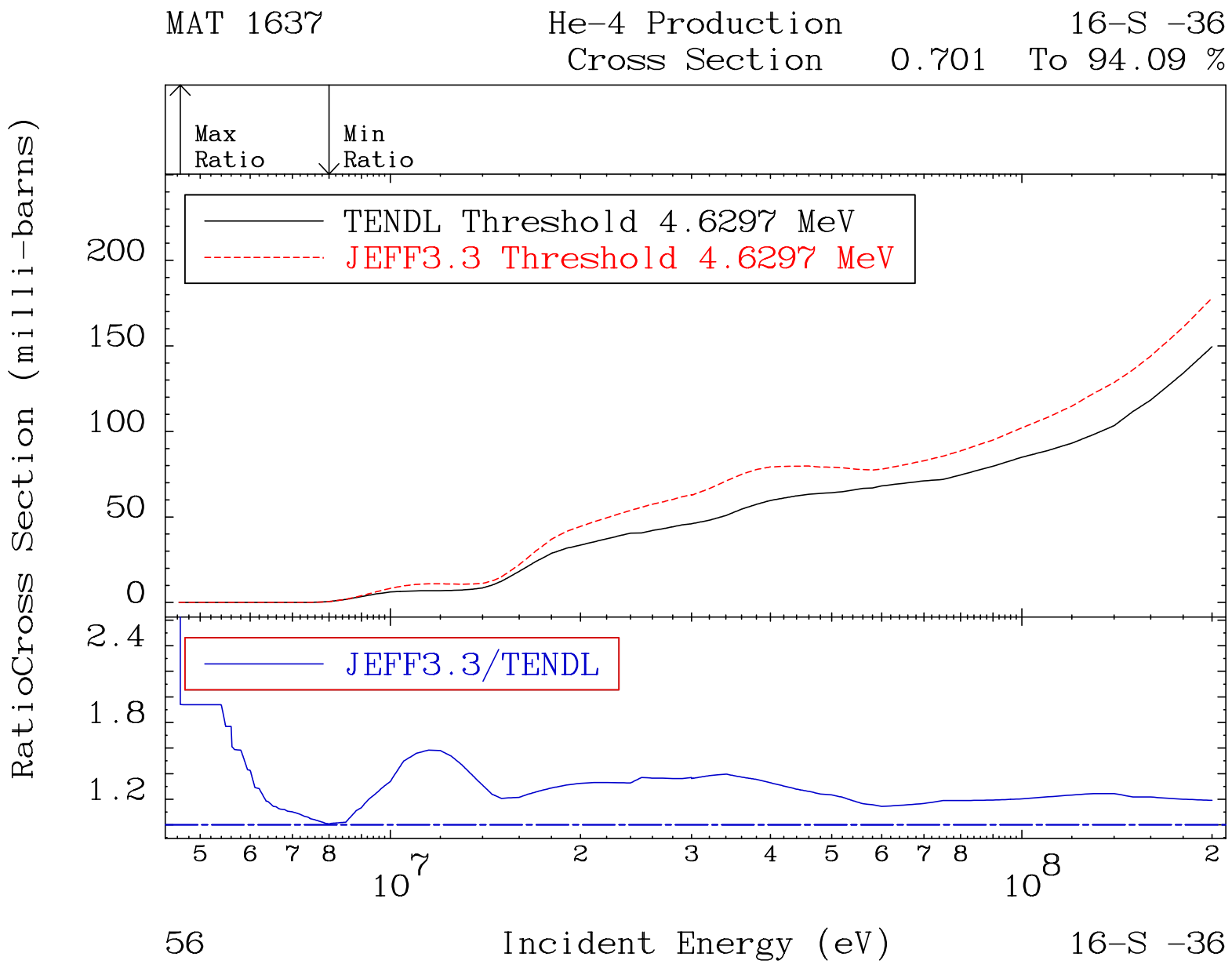

MAT 1637
(n,d) α
16-S -36
Cross Section 0.000 To 354.8 %
Min
Ratio
100
80
60
40
20
0
TENDL Threshold 23.853 MeV
JEFF3.3 Threshold 23.849 MeV
6
4
2
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
40
60
80
100
120
140
160
180
200
51
Incident Energy (MeV)
16-S -36

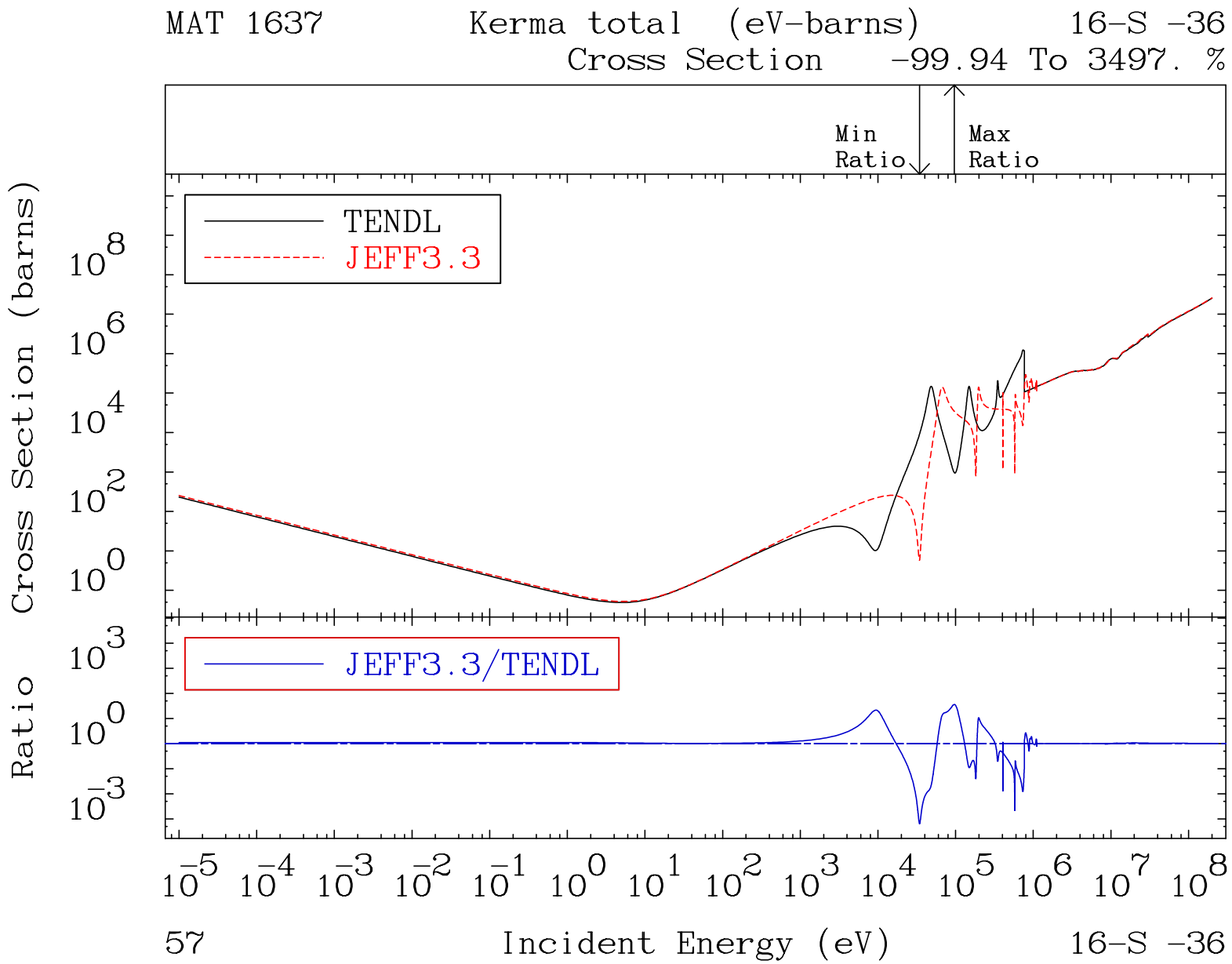

MAT 1637
Hydrogen Production
16-S -36
Cross Section 3.640 To 71.64 %
Max Ratio
Min Ratio
TENDL Threshold 9.9008 MeV
JEFF3.3 Threshold 9.9008 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
2.0
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
16-S -36

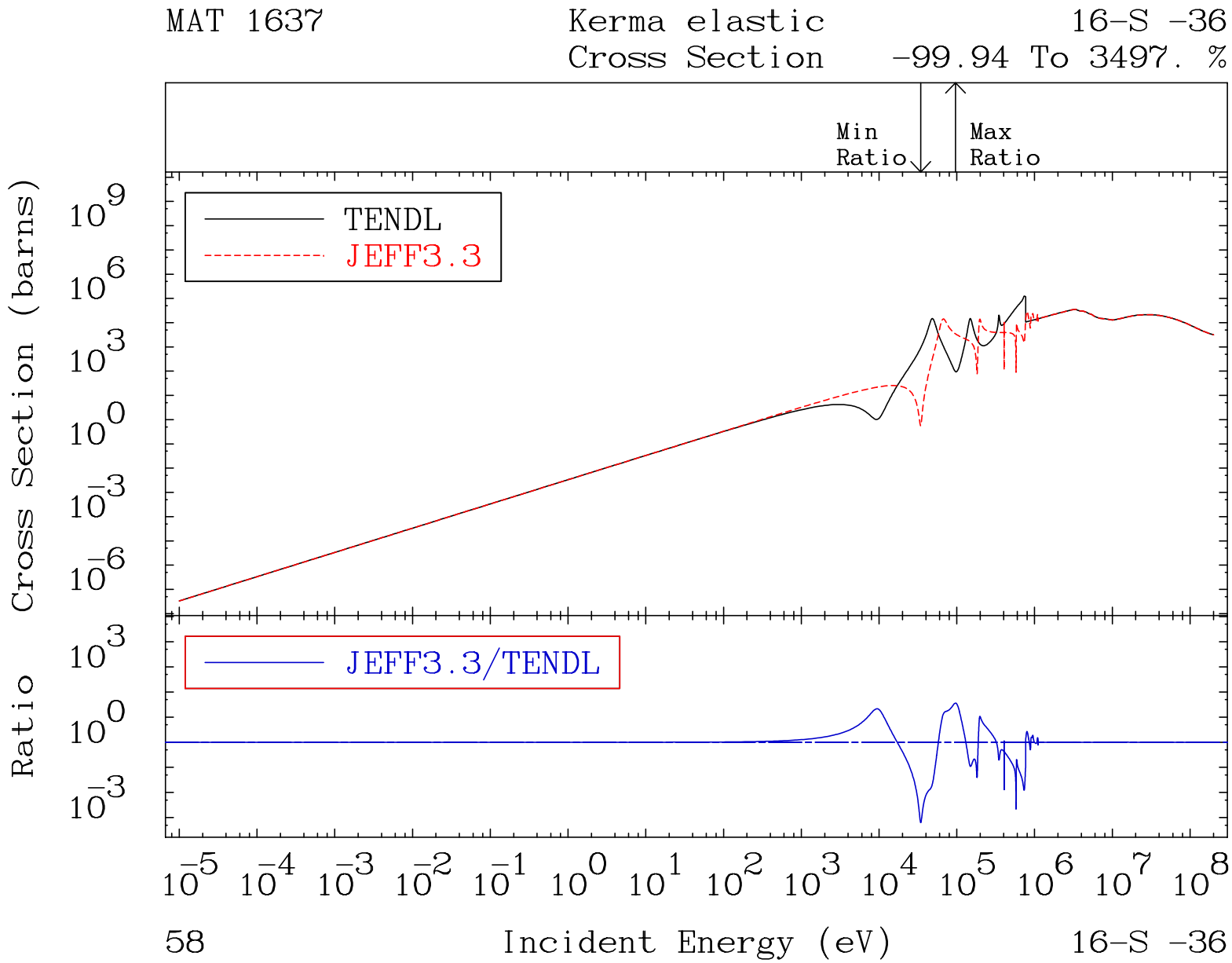

MAT 1637
Deuterium Production
16-S -36
Cross Section
-14.17 To 77.30 %
Min
Ratio
TENDL Threshold 11.176 MeV
JEFF3.3 Threshold 11.176 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
16-S -36

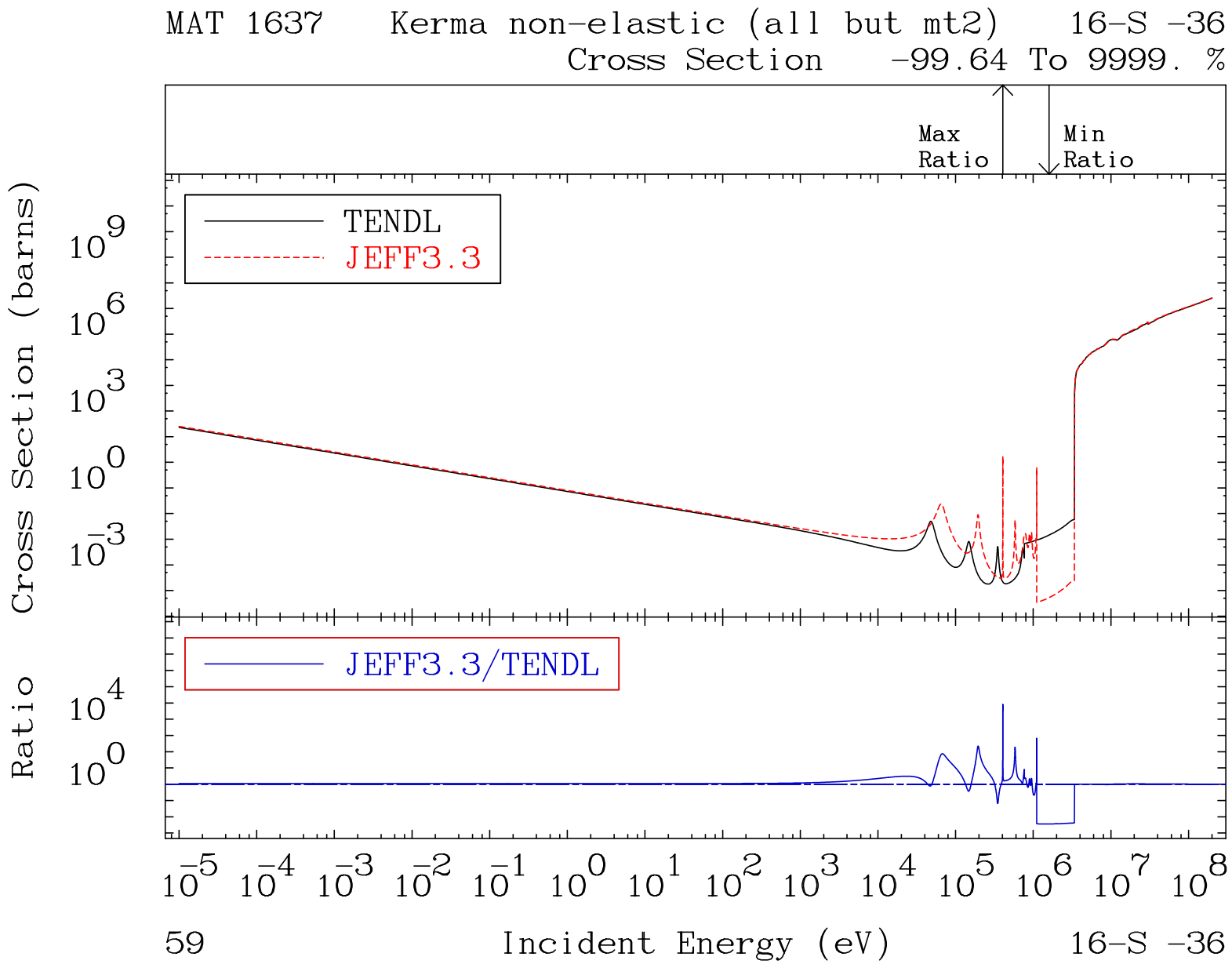

MAT 1637
Tritium Production
16-S -36
Cross Section
-0.566 To 122.3 %
Max Ratio
Min Ratio
TENDL Threshold 13.358 MeV
JEFF3.3 Threshold 13.358 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
16-S -36

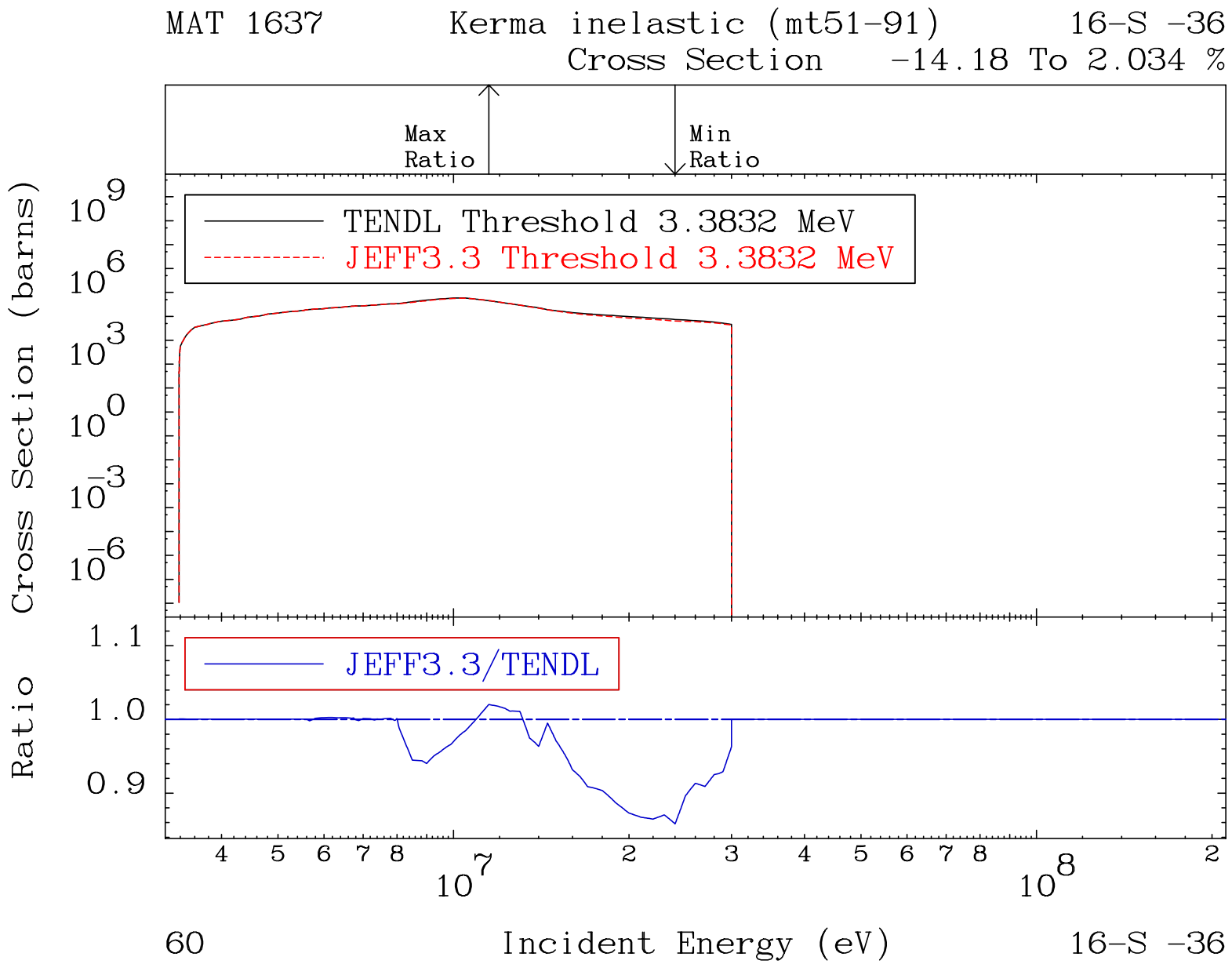

MAT 1637
He-3 Production
Cross Section
16-S -36
-100.0 To 145.4 %
Min Ratio
Max Ratio
TENDL Threshold 18.024 MeV
JEFF3.3 Threshold 18.060 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2
0
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
16-S -36

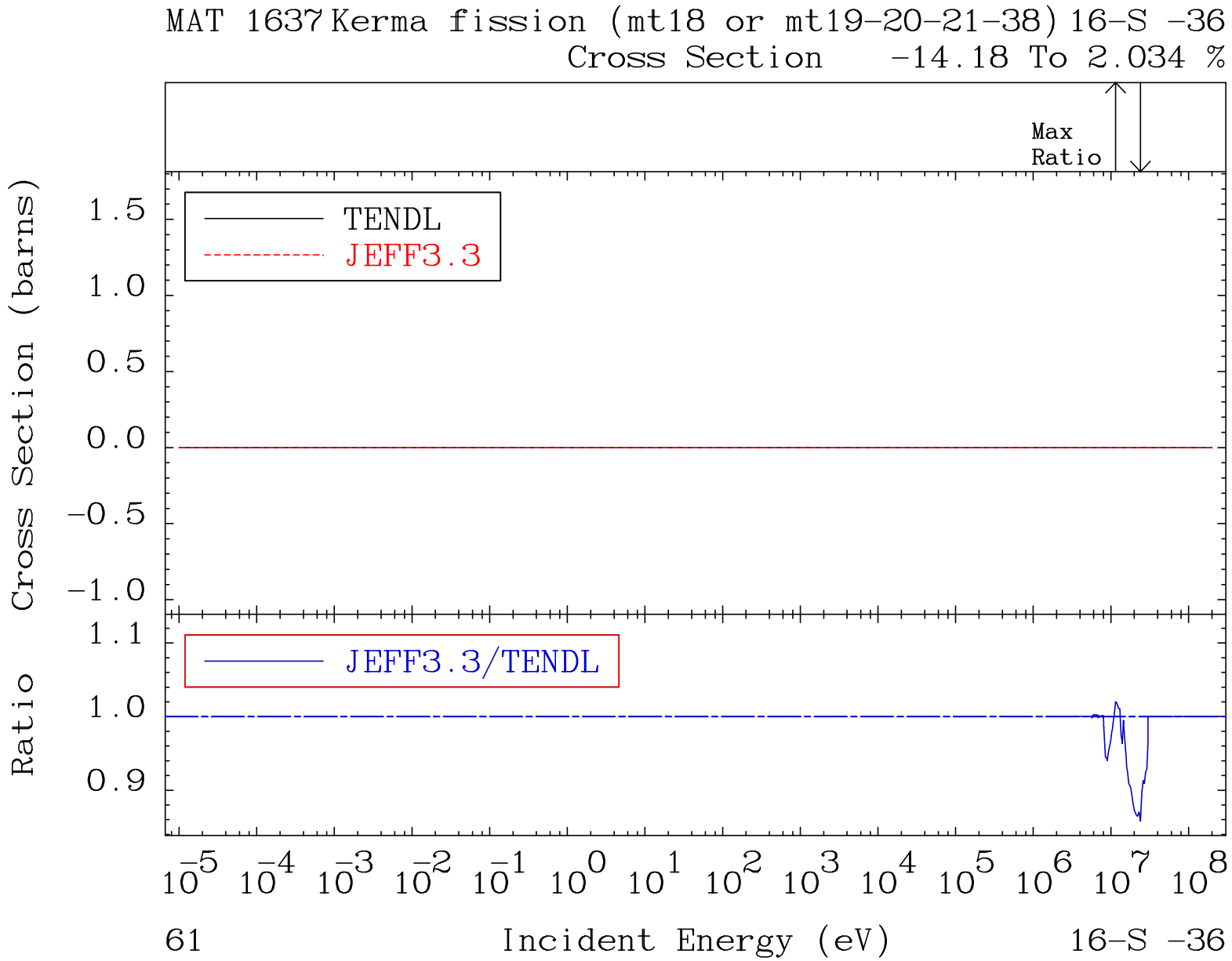

MAT 1637
He-4 Production
Cross Section
16-S -36
0.701 To 94.09 %
Max Ratio
Min Ratio
TENDL Threshold 4.6297 MeV
JEFF3.3 Threshold 4.6297 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.4
1.8
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
56
Incident Energy (eV)
16-S -36

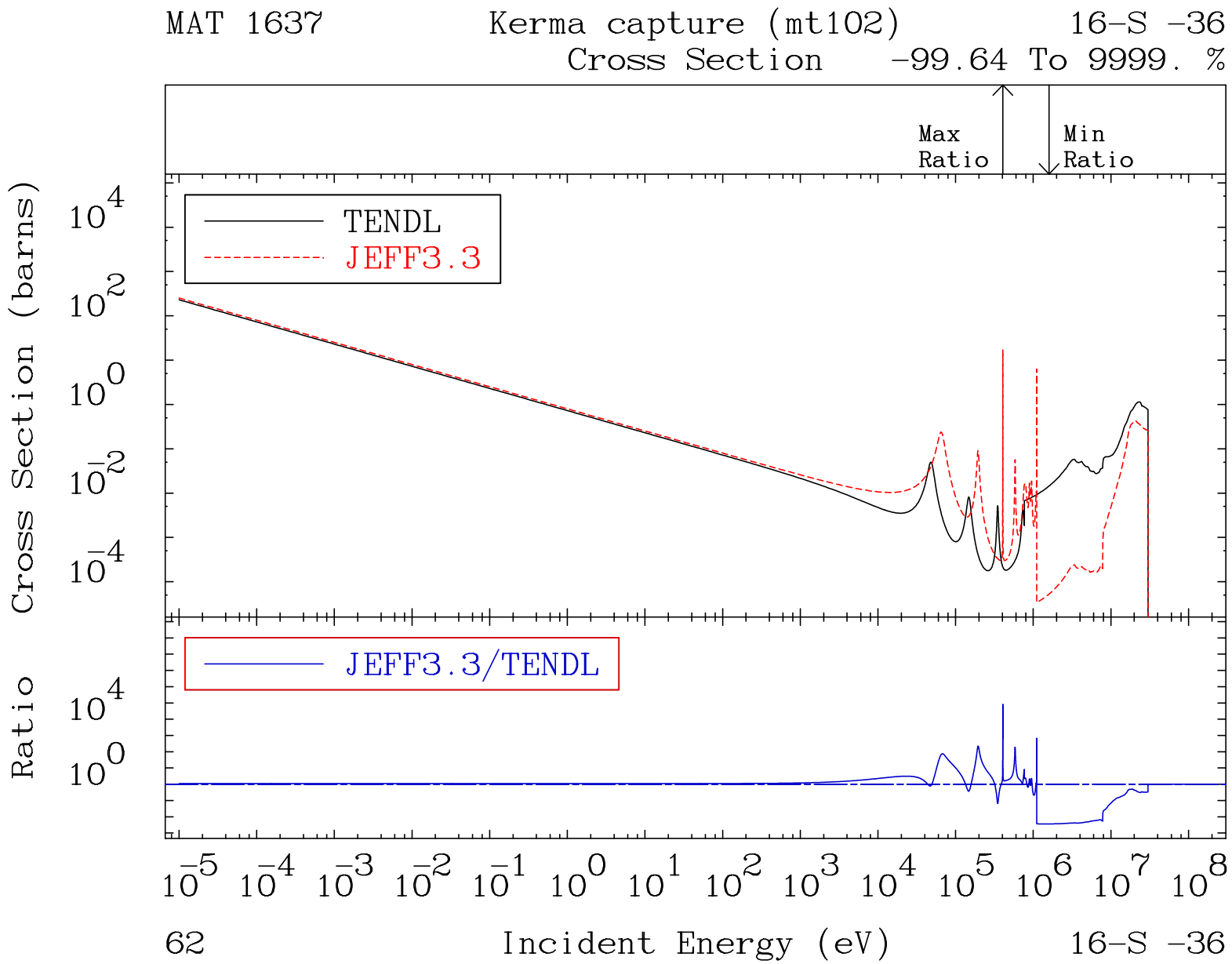

MAT 1637
Kerma total (eV-barns)
16-S -36
Cross Section -99.94 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
16-S -36

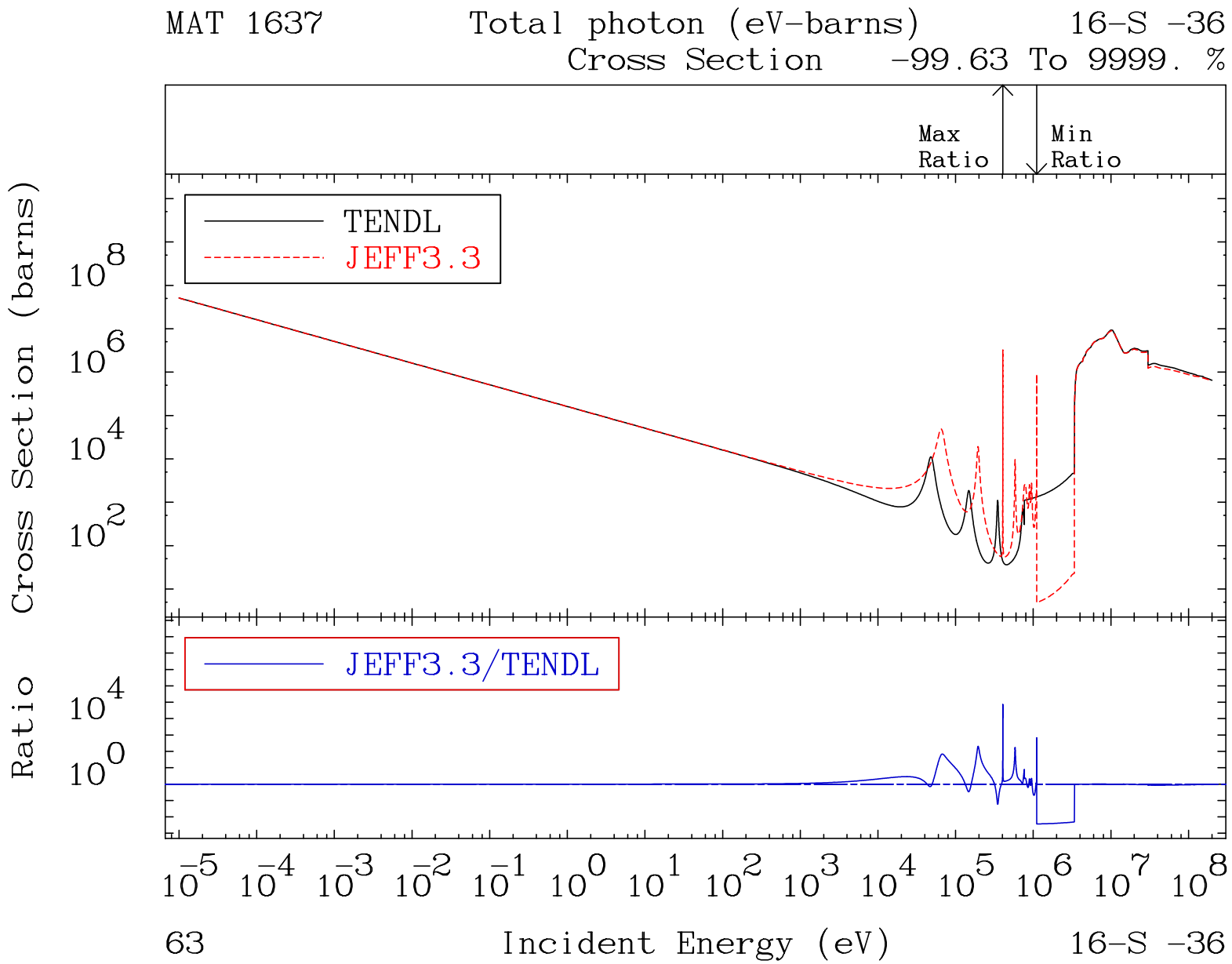

MAT 1637
Kerma elastic
Cross Section
16-S -36
-99.94 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
16-S -36

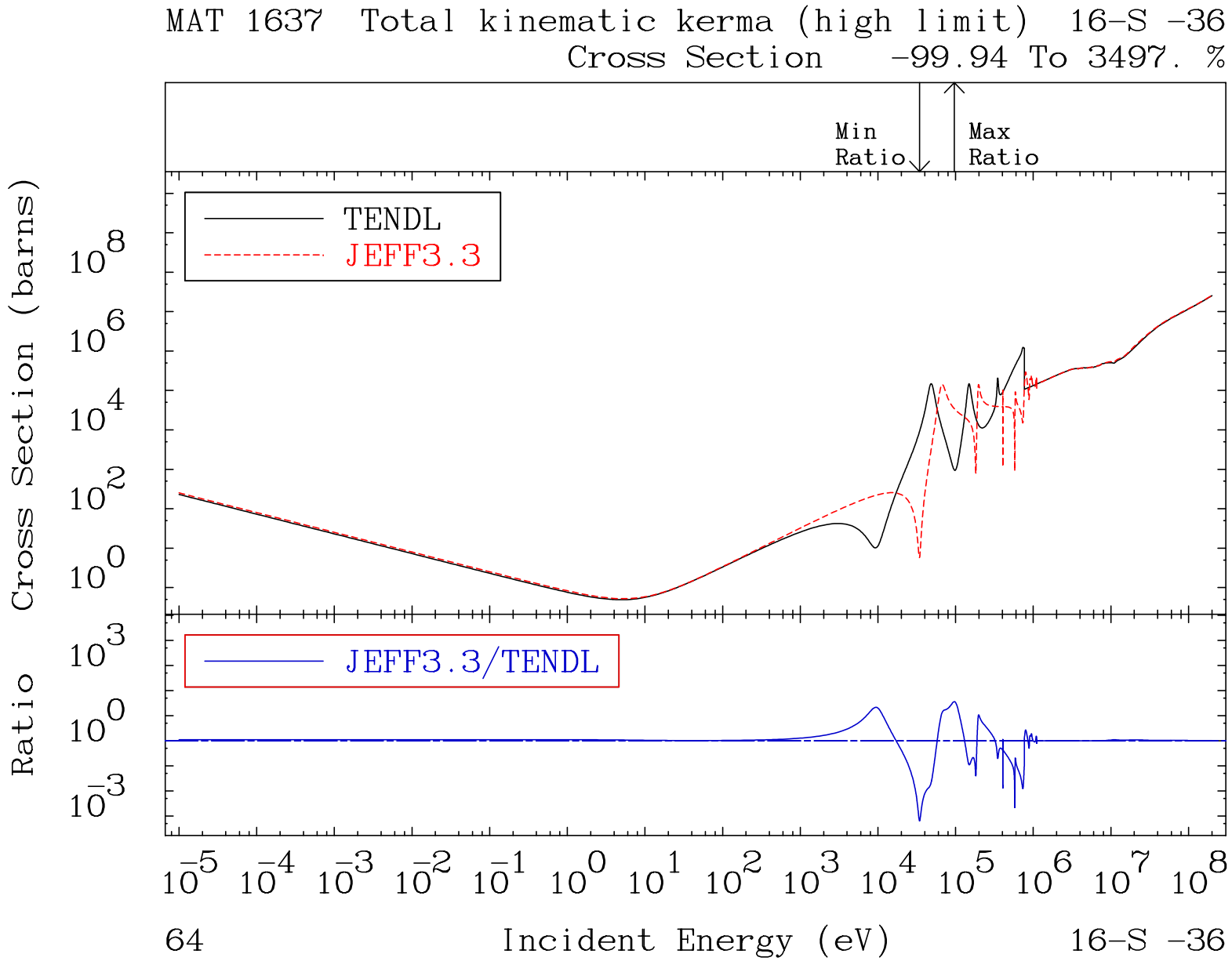

MAT 1637 Kerma non-elastic (all but mt2) 16-S -36
Cross Section -99.64 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
16-S -36

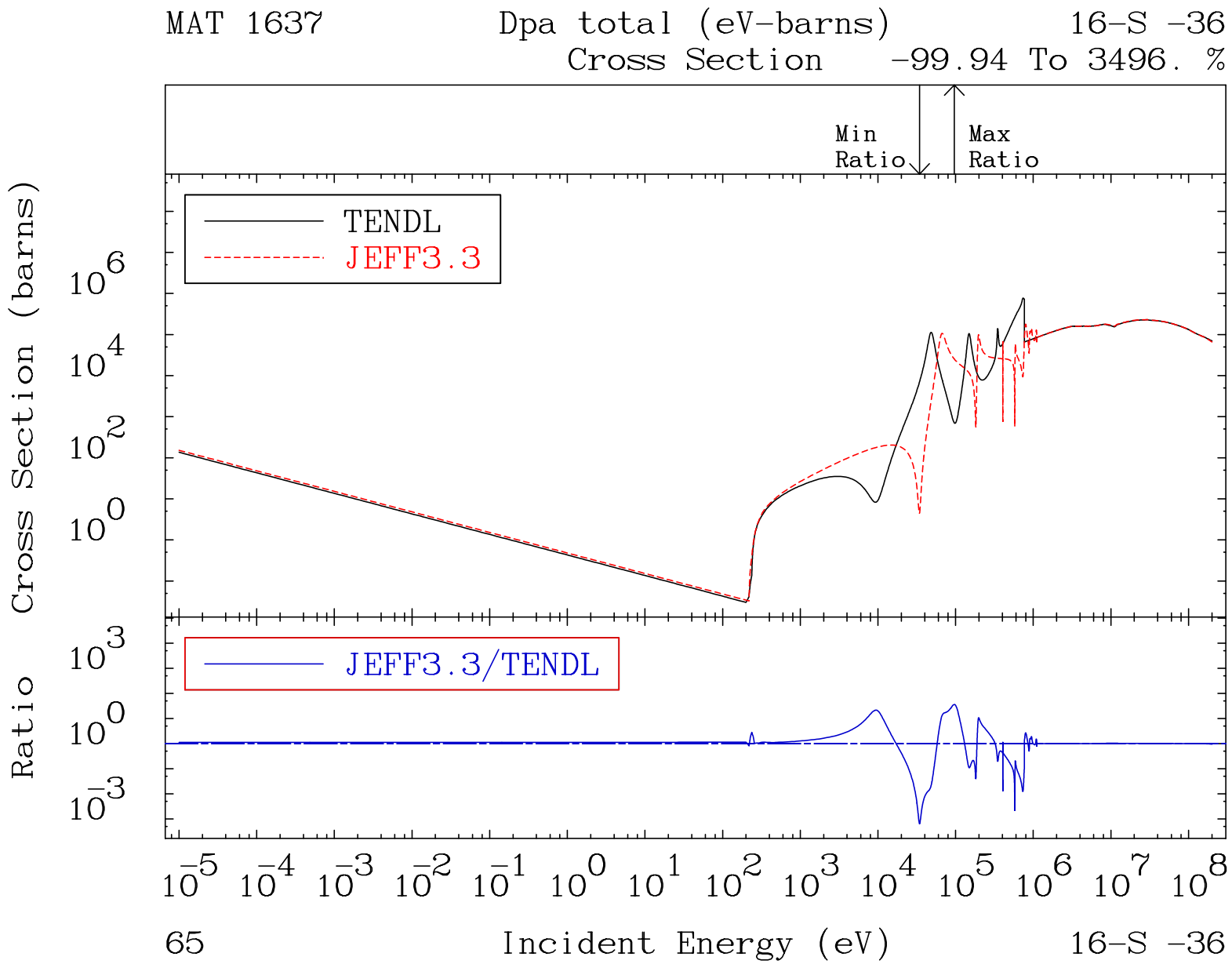

MAT 1637
Kerma inelastic (mt51-91)
16-S -36
Cross Section -14.18 To 2.034 %
Max Ratio
Min Ratio
TENDL Threshold 3.3832 MeV
JEFF3.3 Threshold 3.3832 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
16-S -36

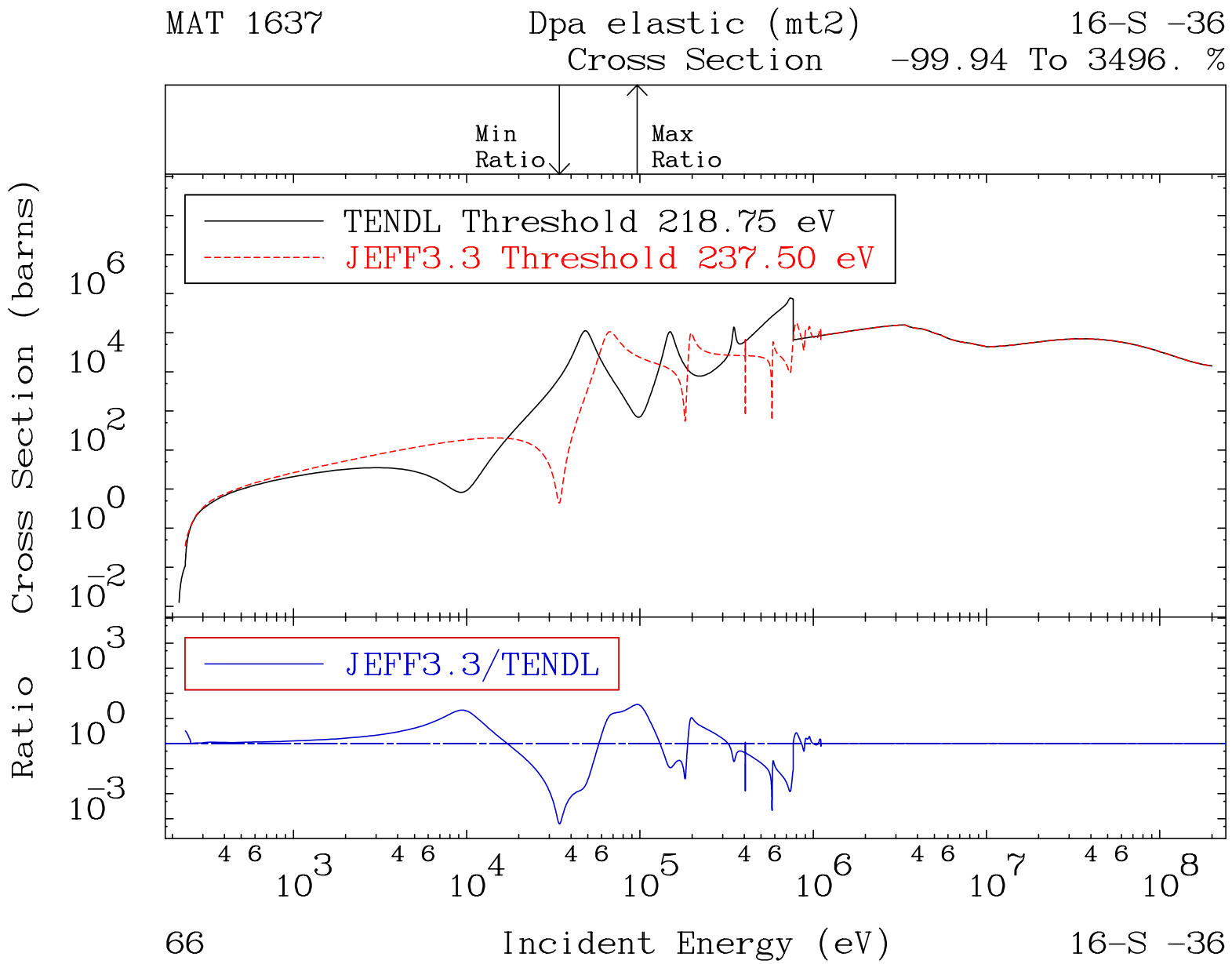

MAT 1637 Kerma fission (mt18 or mt19-20-21-38) 16-S -36
Cross Section -14.18 To 2.034 %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.1
1.0
0.9
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
61
Incident Energy (eV)
16-S -36

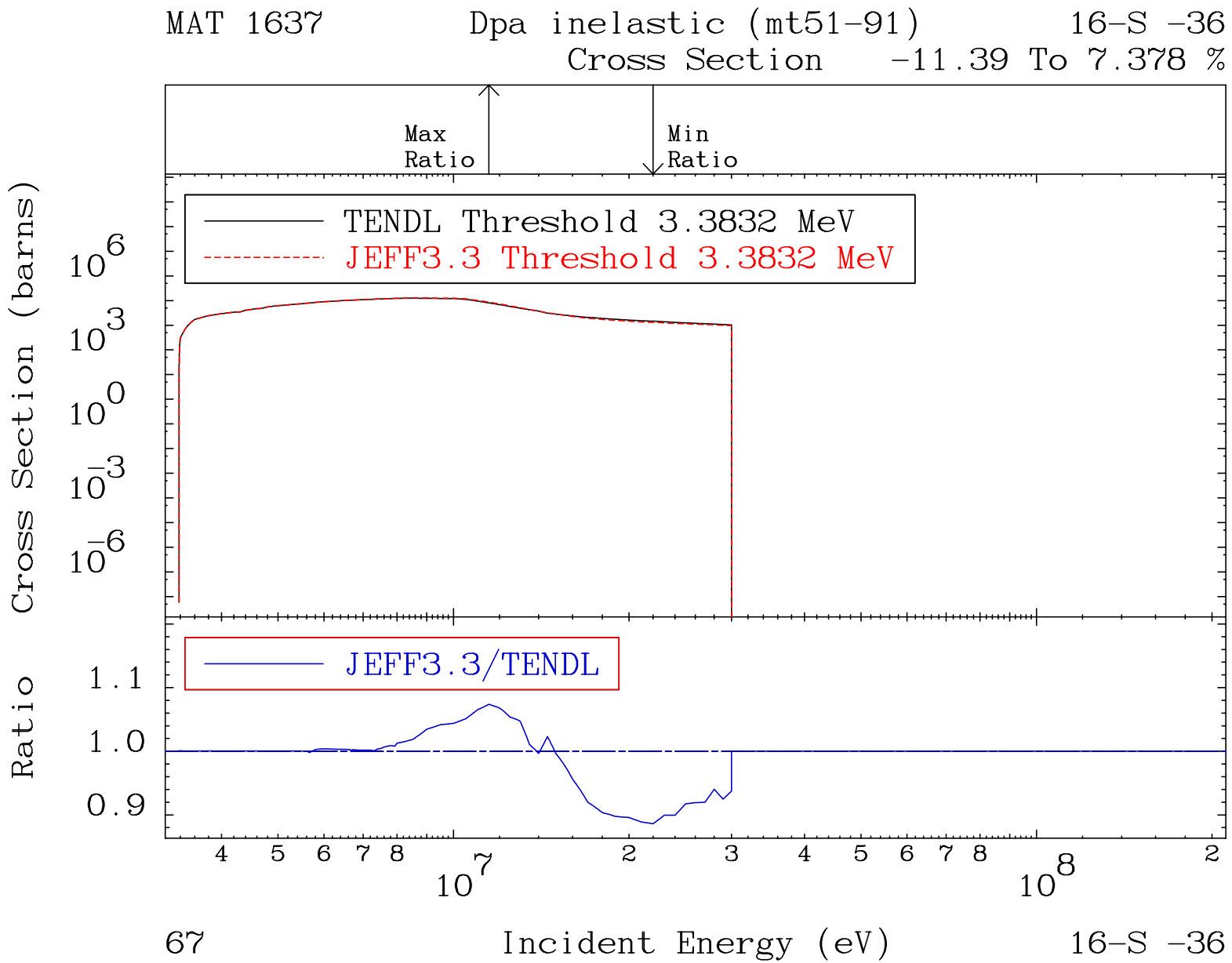

MAT 1637
Kerma capture (mt102)
16-S -36
Cross Section -99.64 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
16-S -36

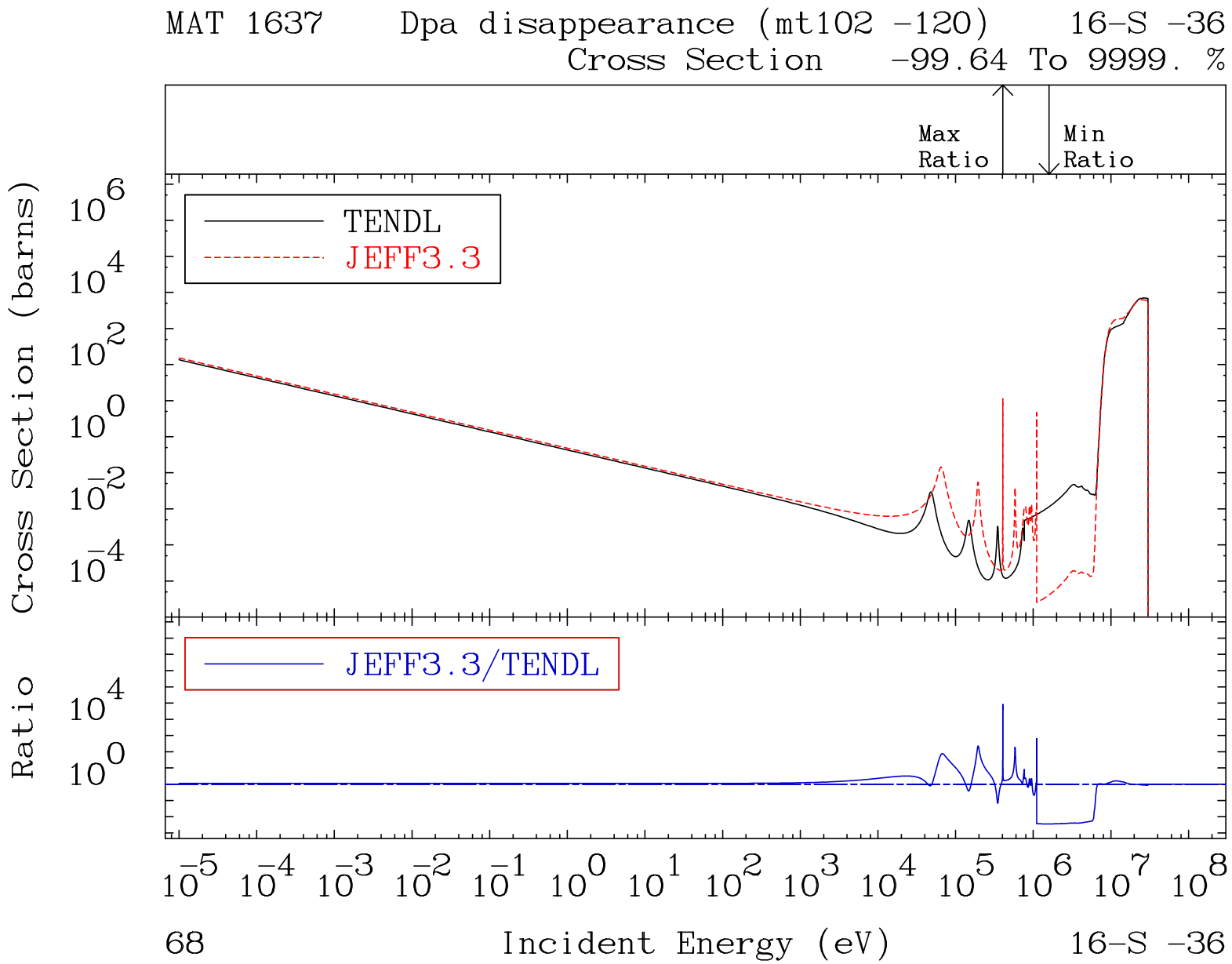

MAT 1637
Total photon (eV-barns)
16-S -36
Cross Section -99.63 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
10^8
10^6
10^4
10^2
JEFF3.3/TENDL
Ratio
10^4
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
63
Incident Energy (eV)
16-S -36


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