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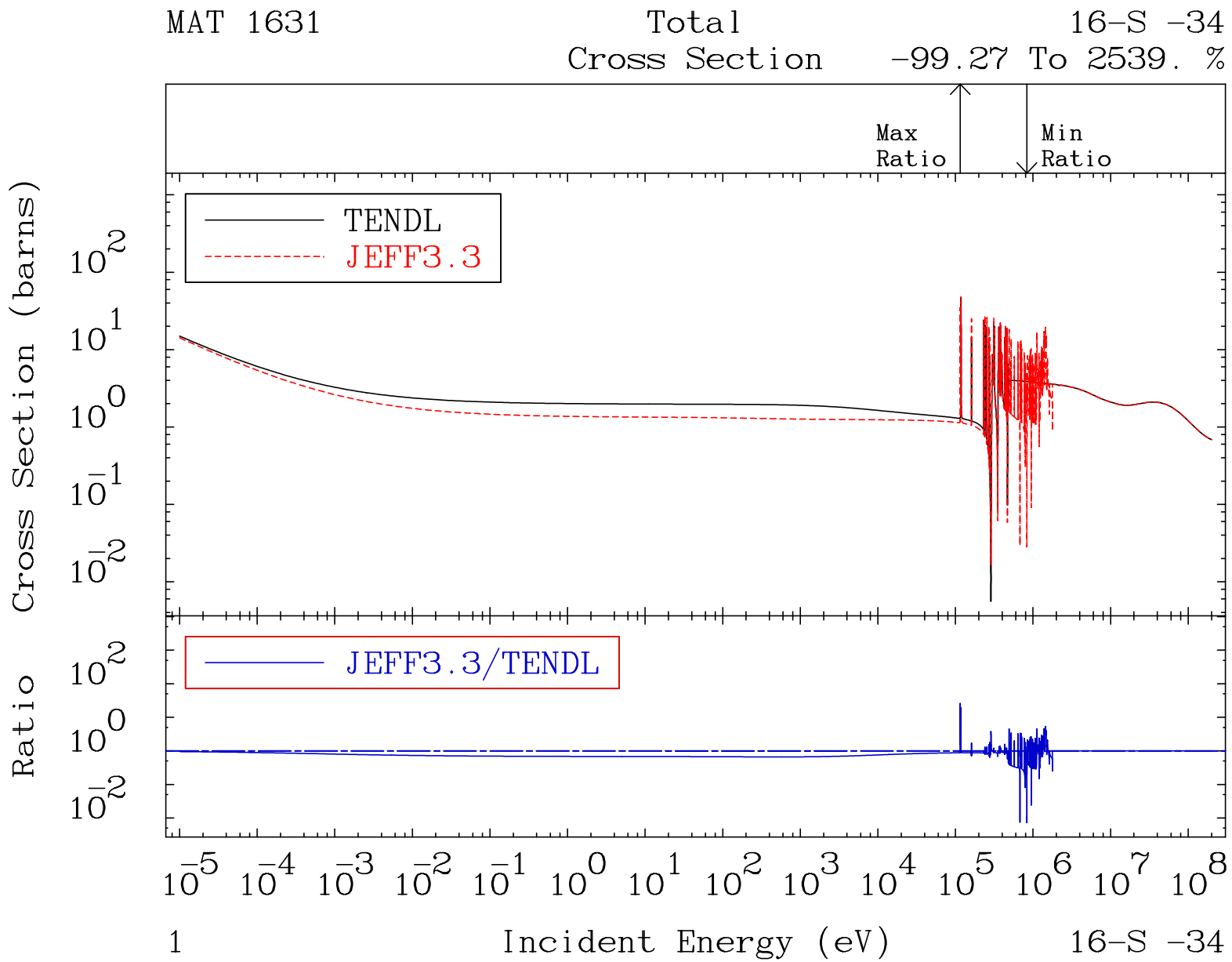
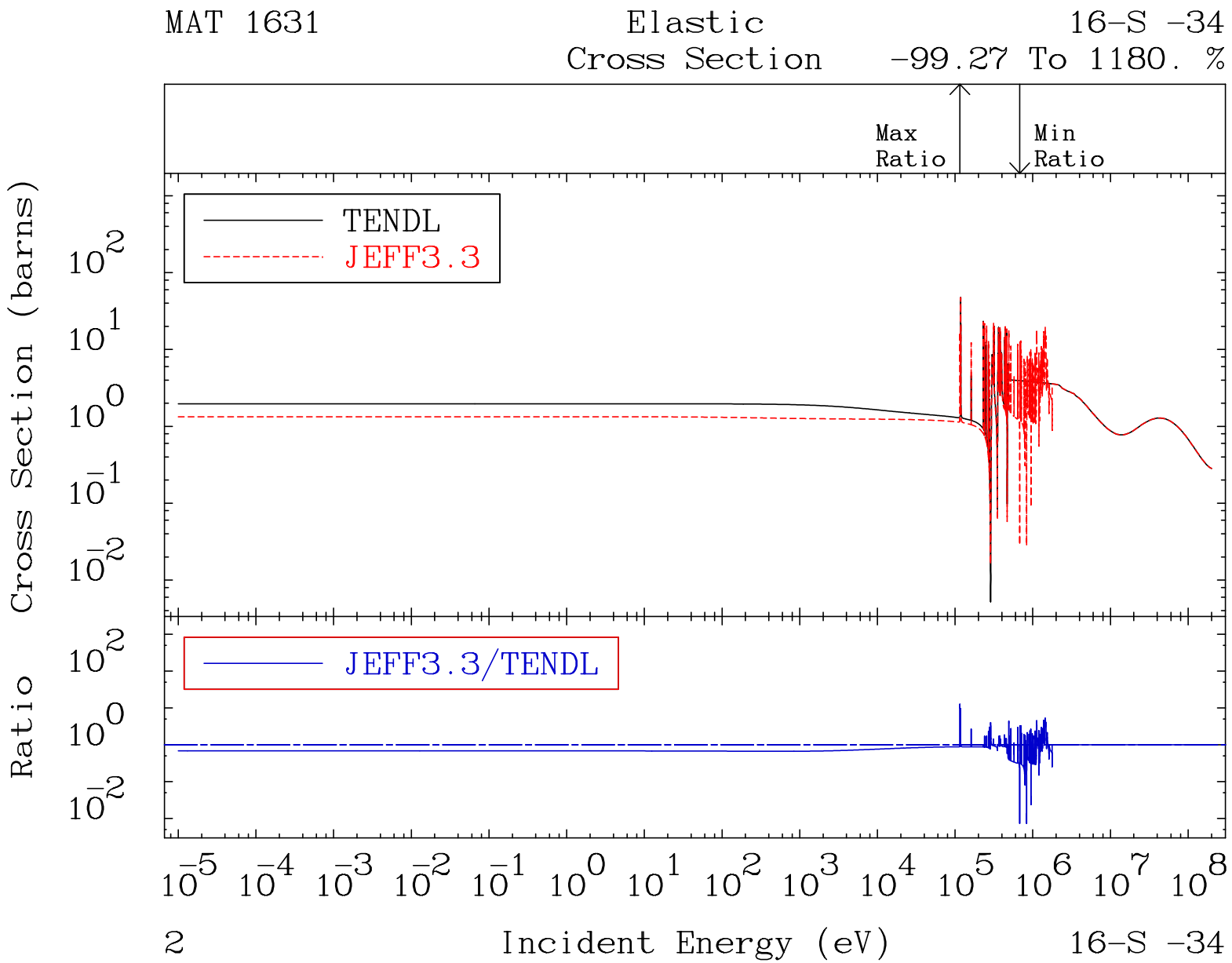
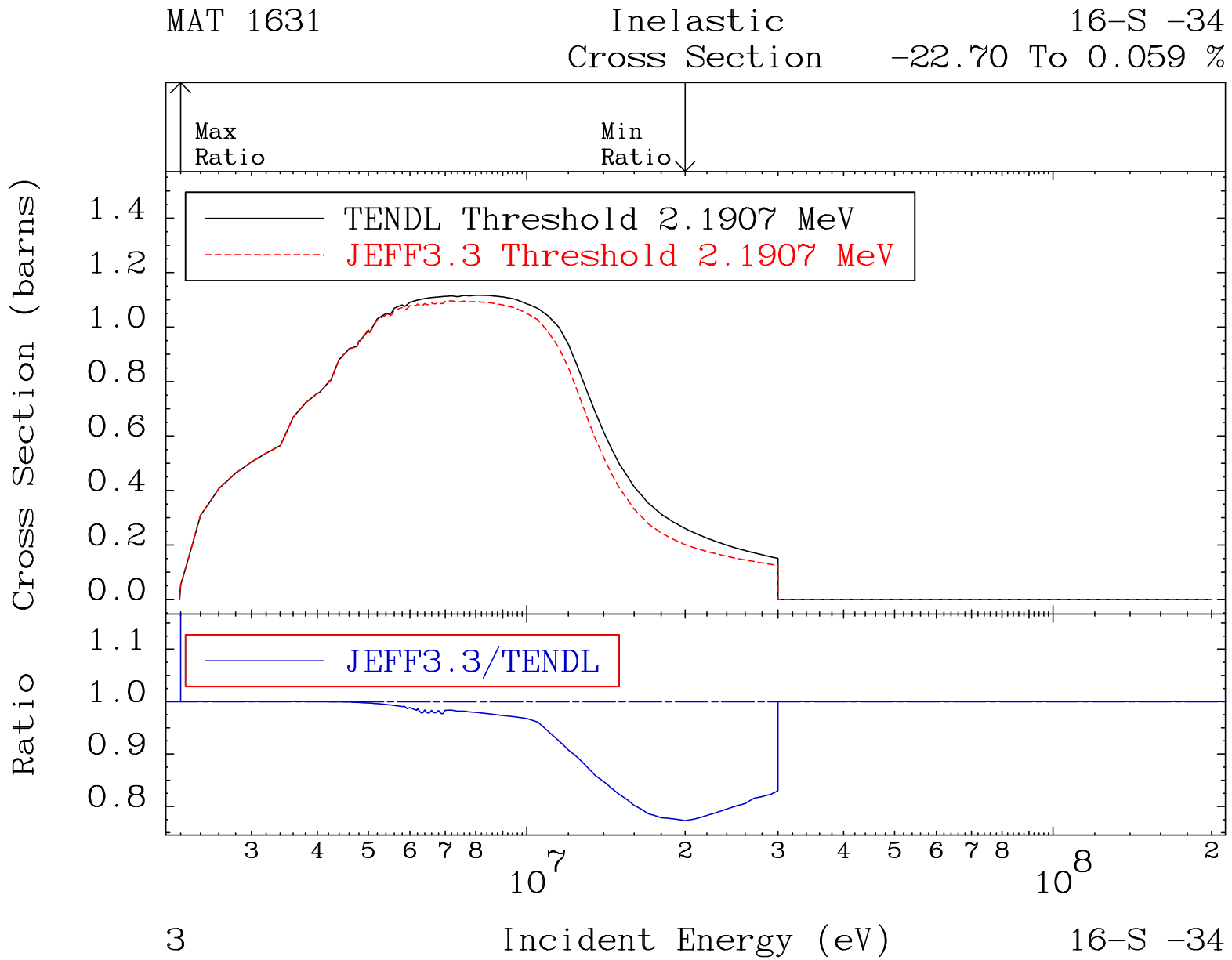
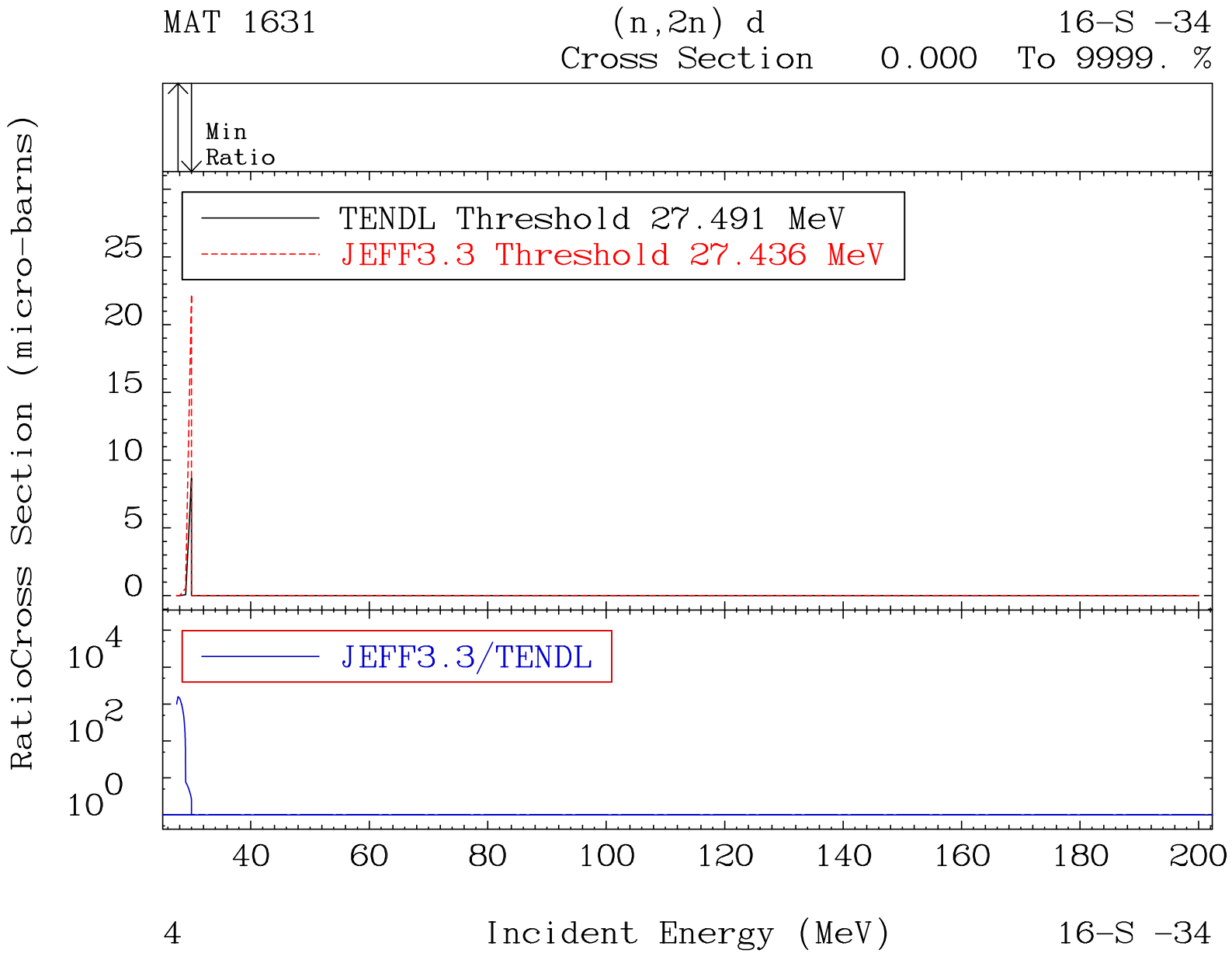
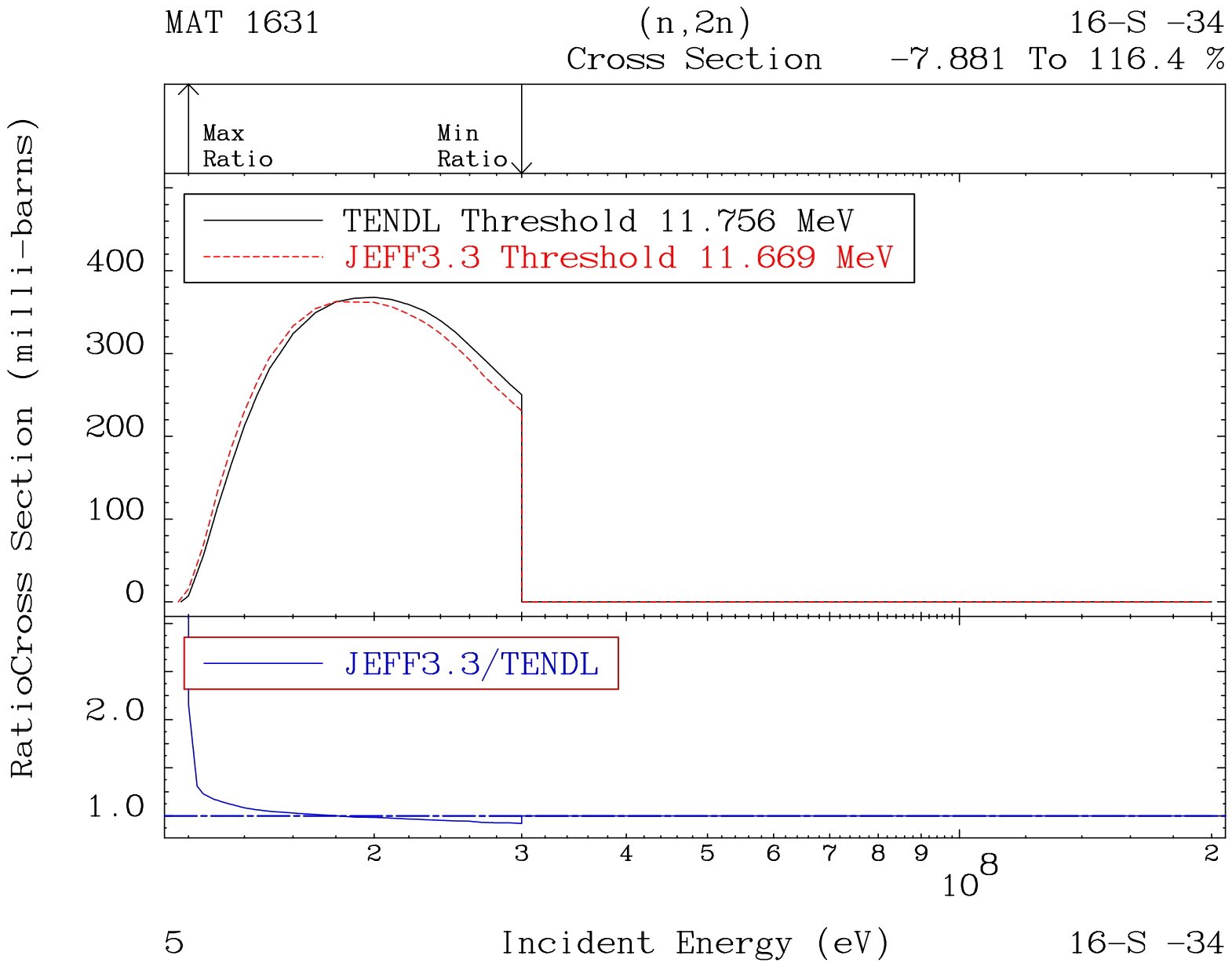
Press Mouse Button to Start

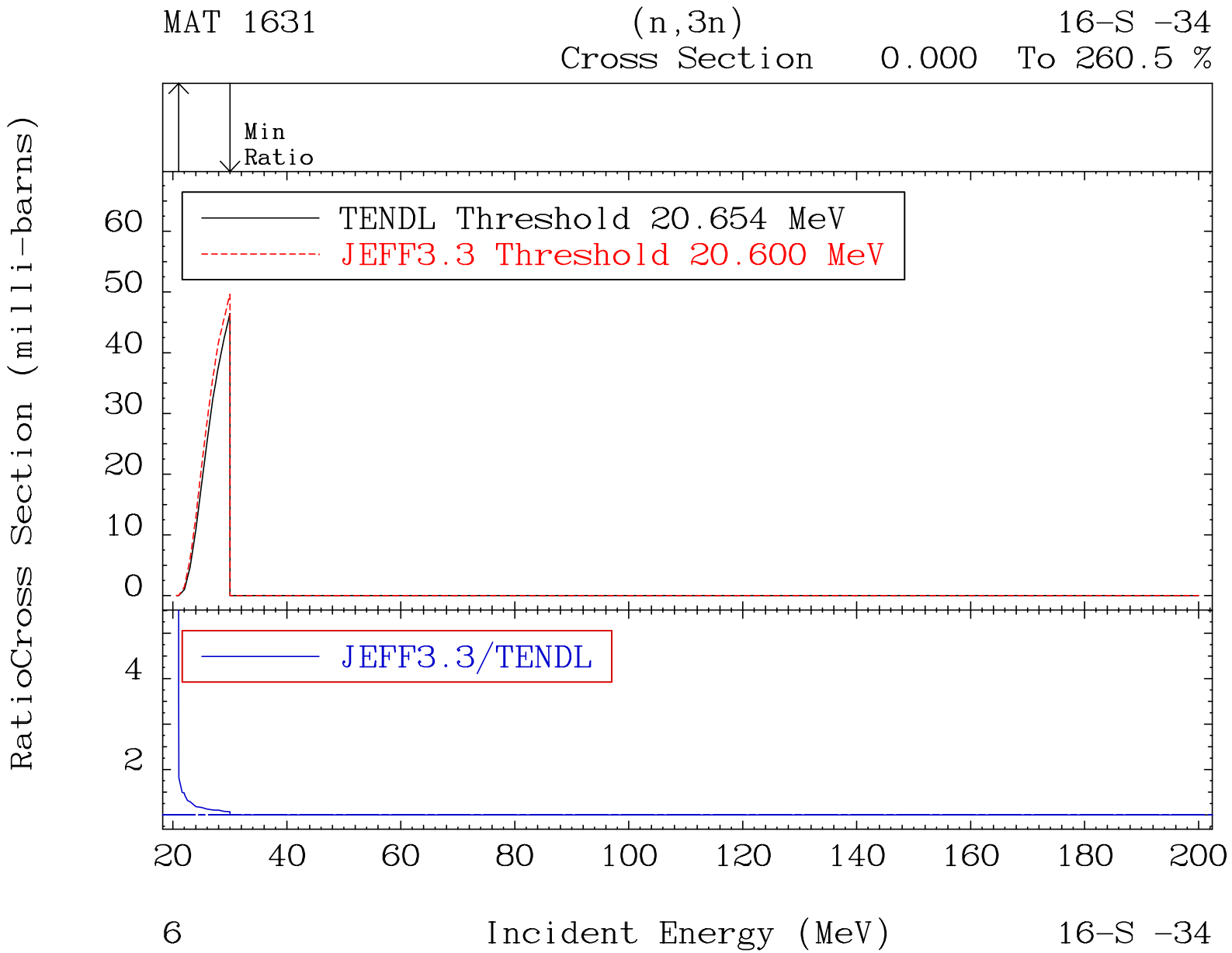

MAT 1631
Total
Cross Section
16-S -34
-99.27 To 2539. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
16-S -34

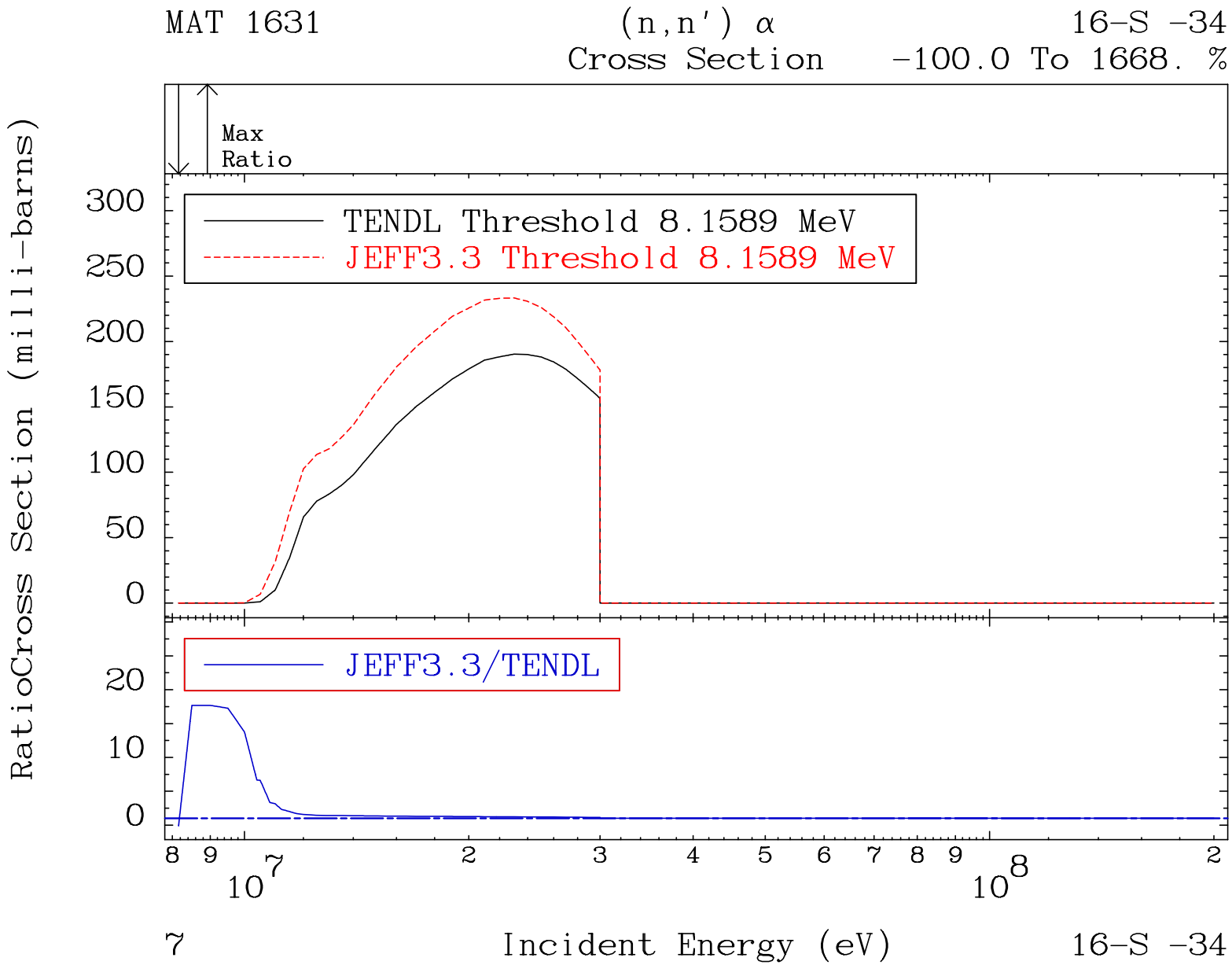

MAT 1631
Elastic
Cross Section
16-S -34
-99.27 To 1180. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
16-S -34

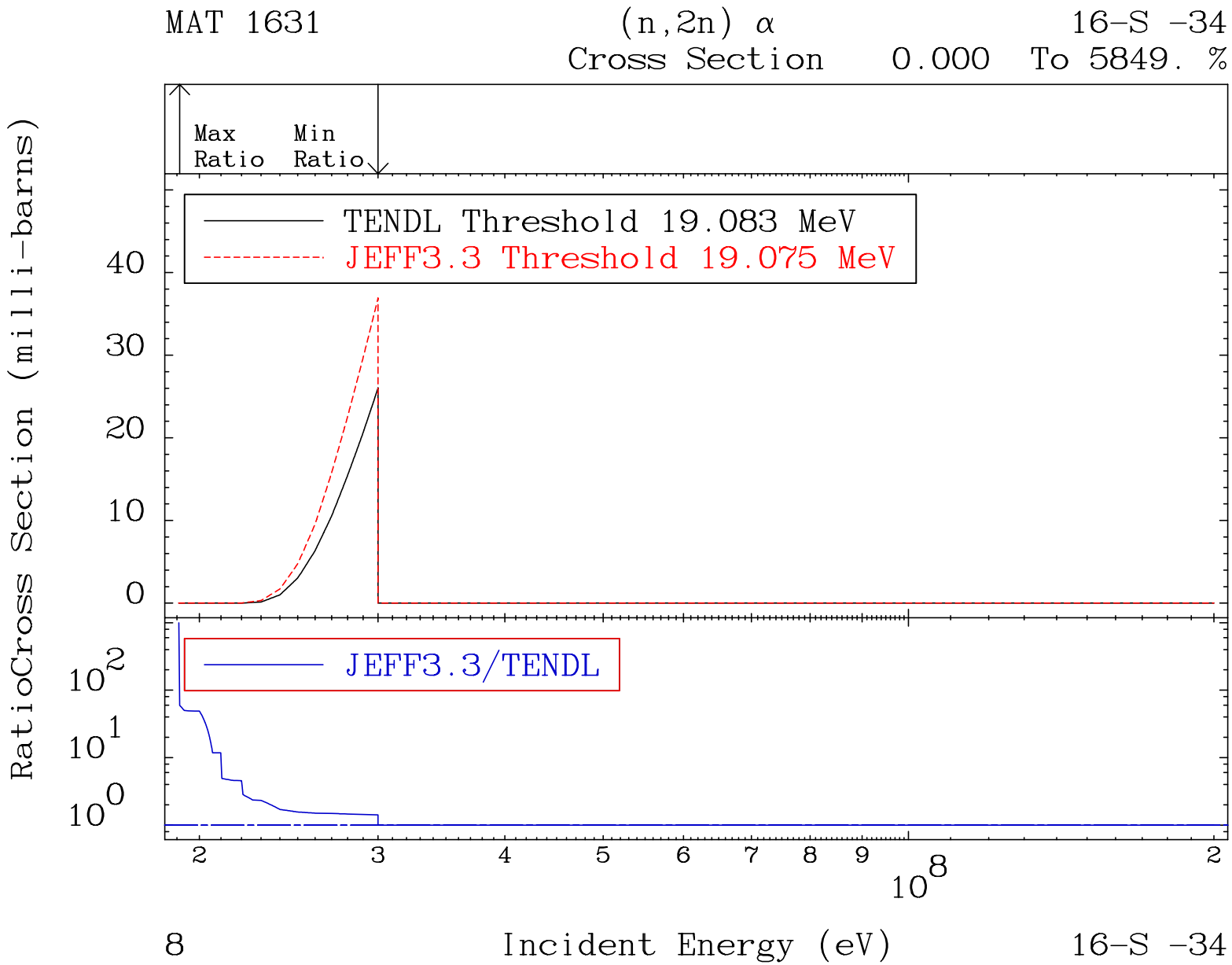

MAT 1631
Inelastic
Cross Section
16-S -34
-22.70 To 0.059 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.1907 MeV
JEFF3.3 Threshold 2.1907 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.1
1.0
0.9
0.8
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
3
Incident Energy (eV)
16-S -34

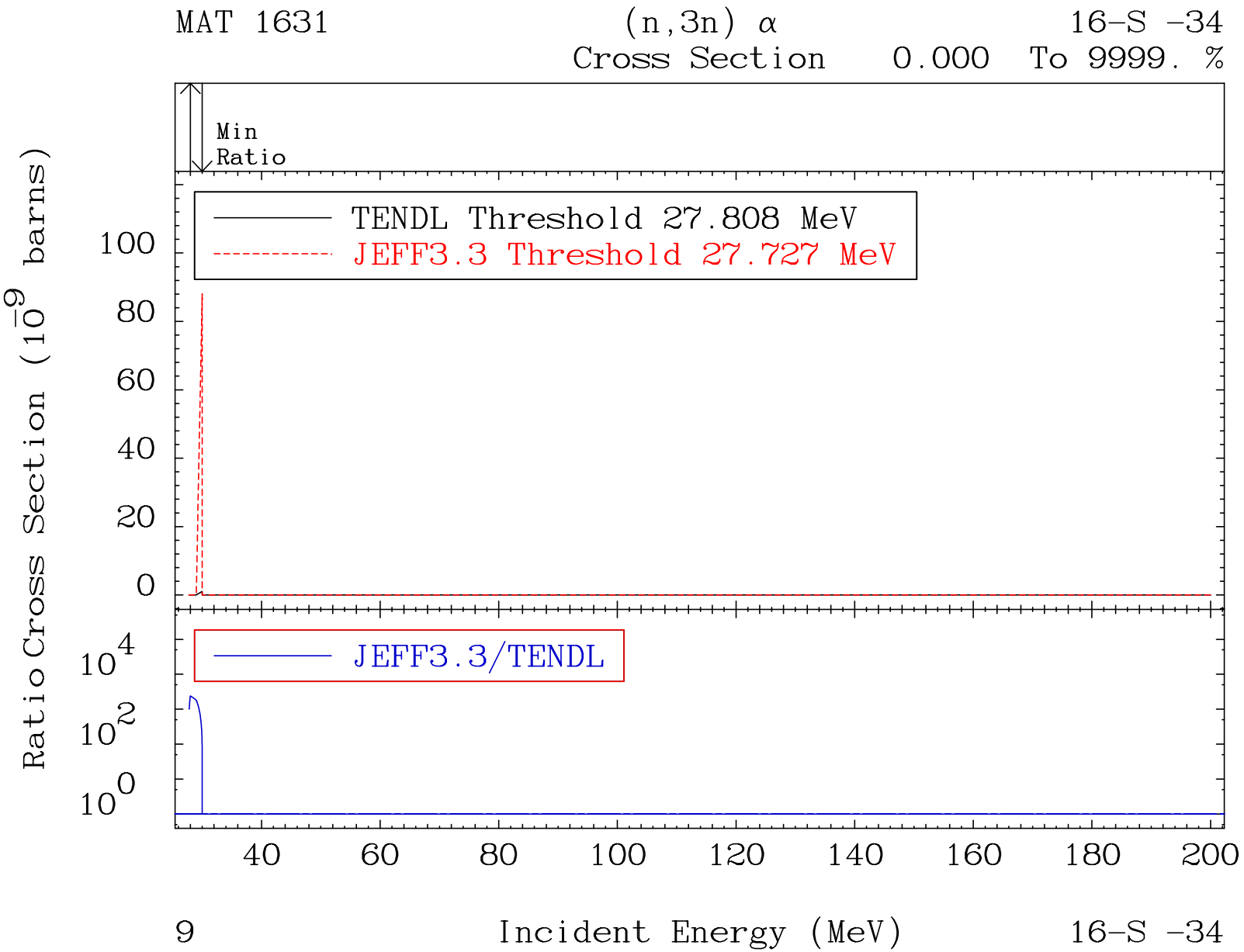

MAT 1631
(n,2n) d
16-S -34
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 27.491 MeV
JEFF3.3 Threshold 27.436 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
25
20
15
10
5
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
16-S -34

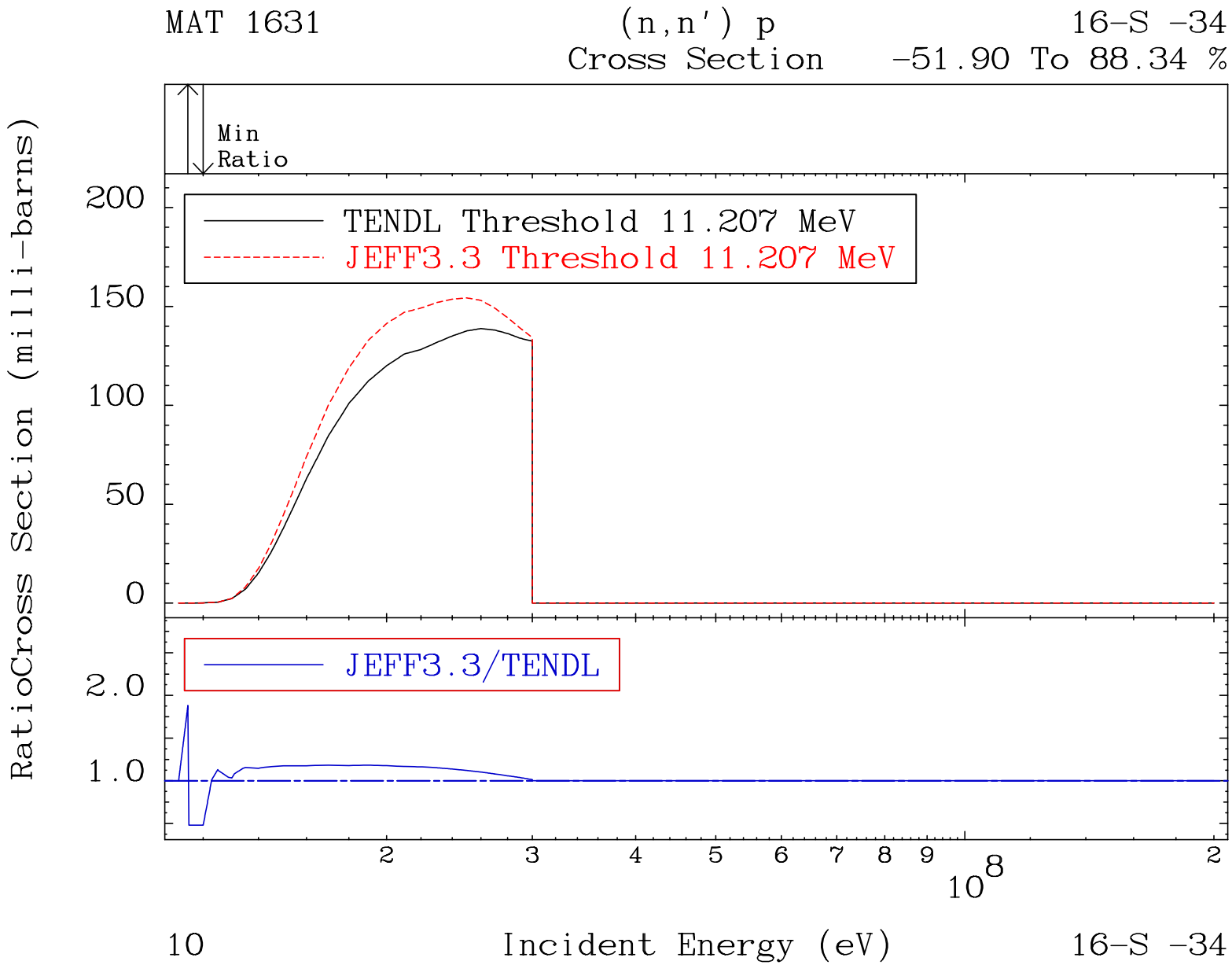

MAT 1631
(n,2n)
Cross Section
16-S -34
-7.881 To 116.4 %
Max Ratio
Min Ratio
TENDL Threshold 11.756 MeV
JEFF3.3 Threshold 11.669 MeV
400
300
200
100
0
JEFF3.3/TENDL
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
5
Incident Energy (eV)
16-S -34

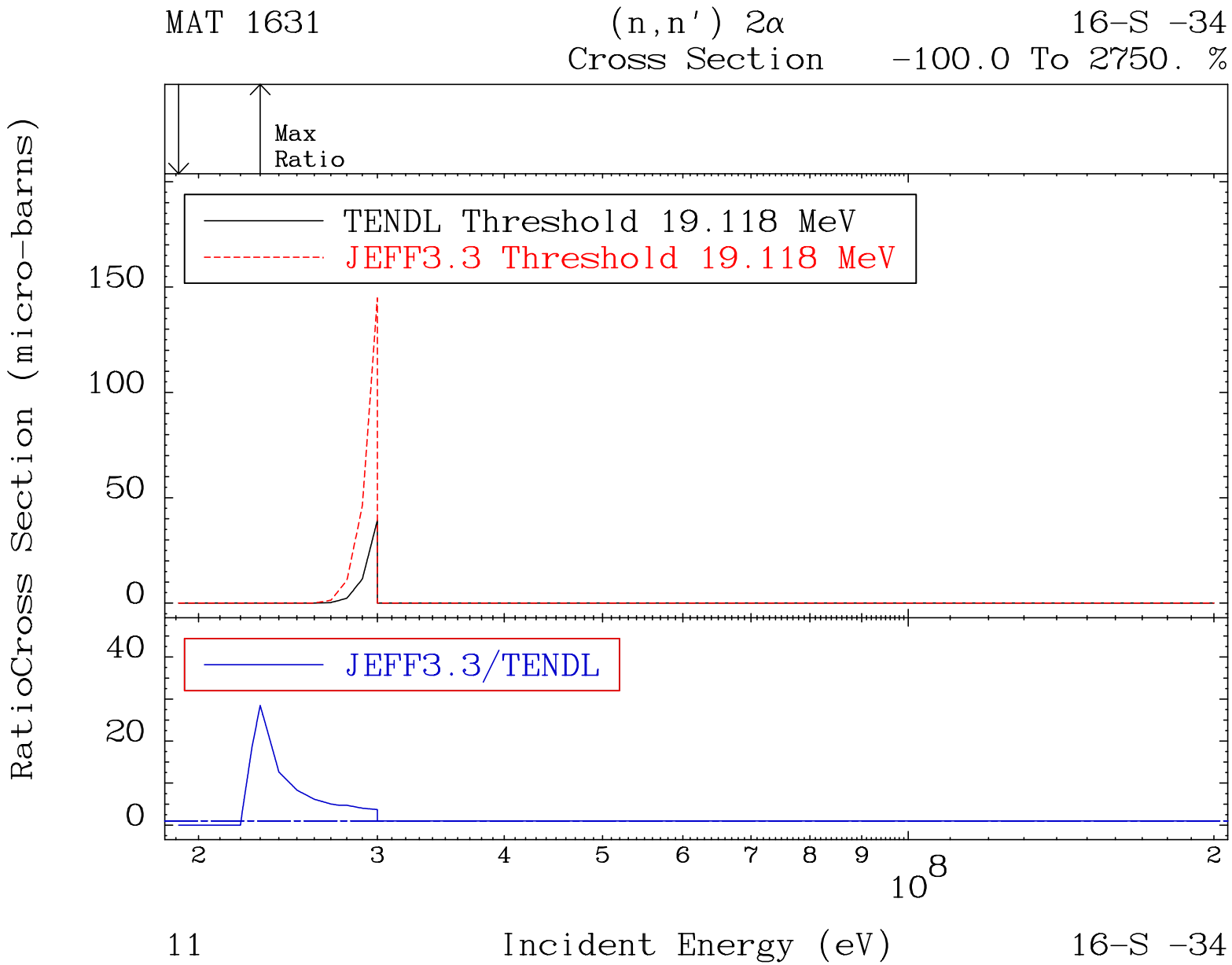

MAT 1631
(n,3n)
16-S -34
Cross Section 0.000 To 260.5 %
Min
Ratio
TENDL Threshold 20.654 MeV
JEFF3.3 Threshold 20.600 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
16-S -34

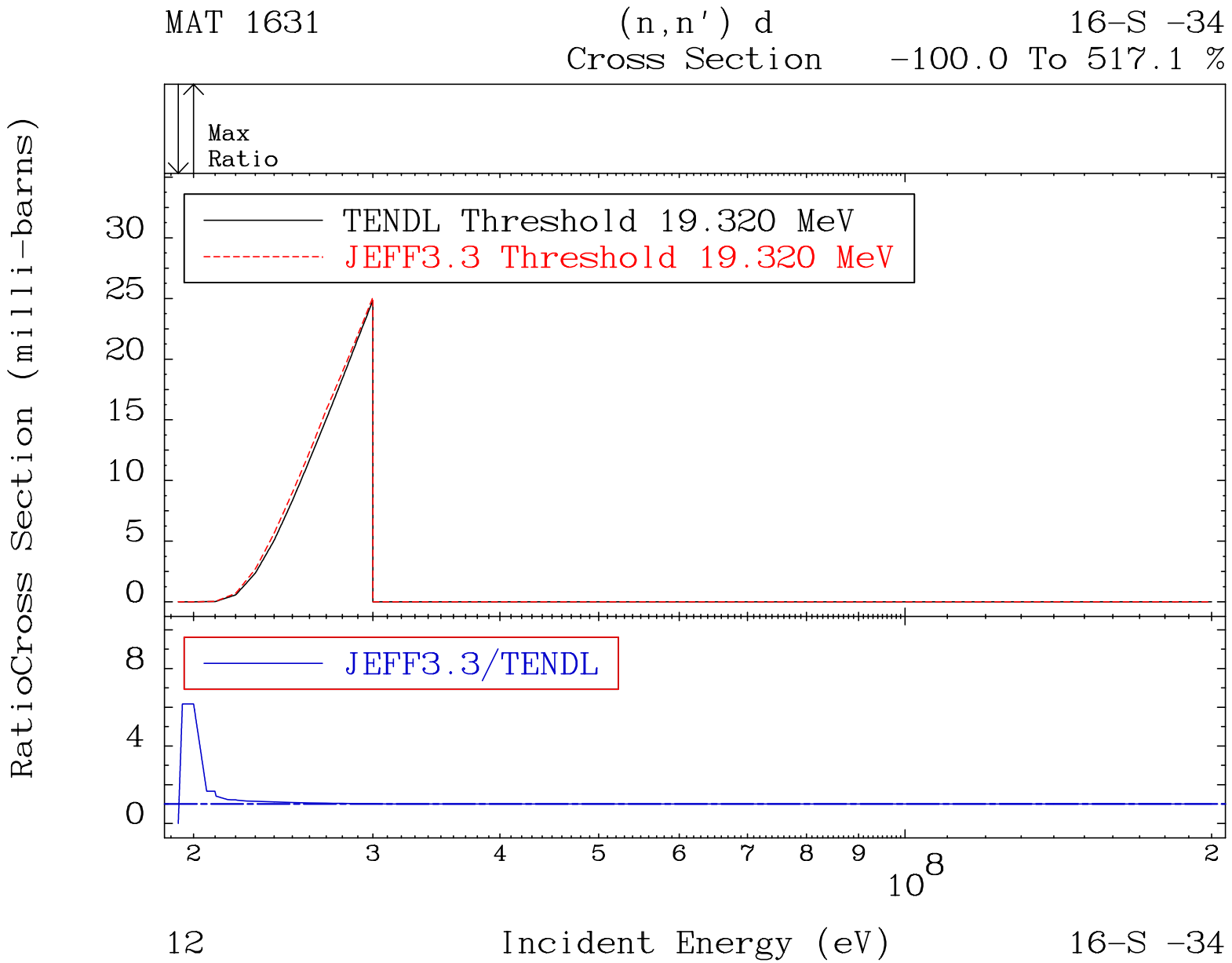

MAT 1631
(n,n') α
16-S -34
Cross Section
-100.0 To 1668. %
Max
Ratio
300
250
200
150
100
50
0
TENDL Threshold 8.1589 MeV
JEFF3.3 Threshold 8.1589 MeV
20
10
0
JEFF3.3/TENDL
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
RatioCross Section (milli-barns)
7
Incident Energy (eV)
16-S -34

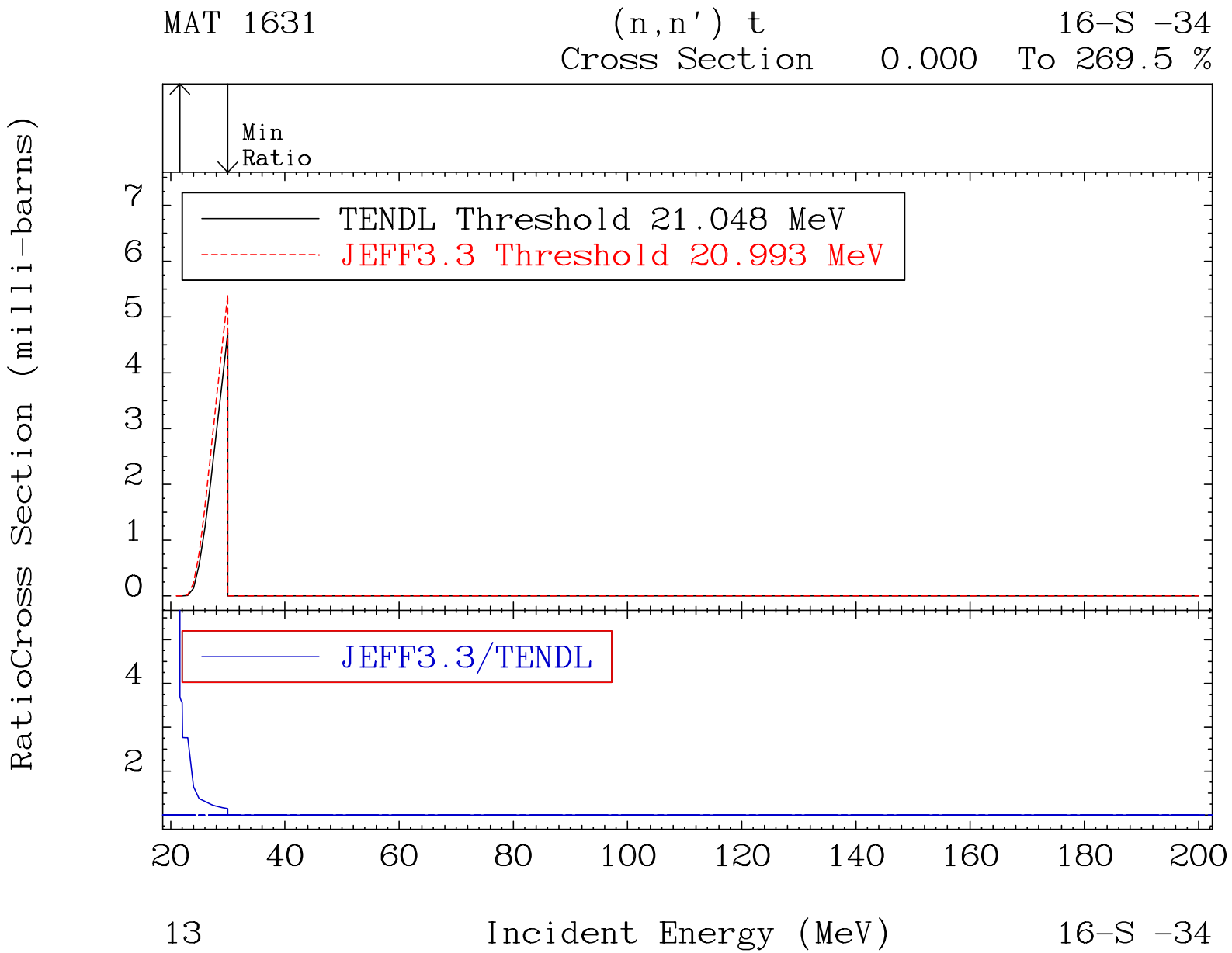

MAT 1631
(n,2n) α
16-S -34
Cross Section 0.000 To 5849. %
Max Ratio
Min Ratio
TENDL Threshold 19.083 MeV
JEFF3.3 Threshold 19.075 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
16-S -34

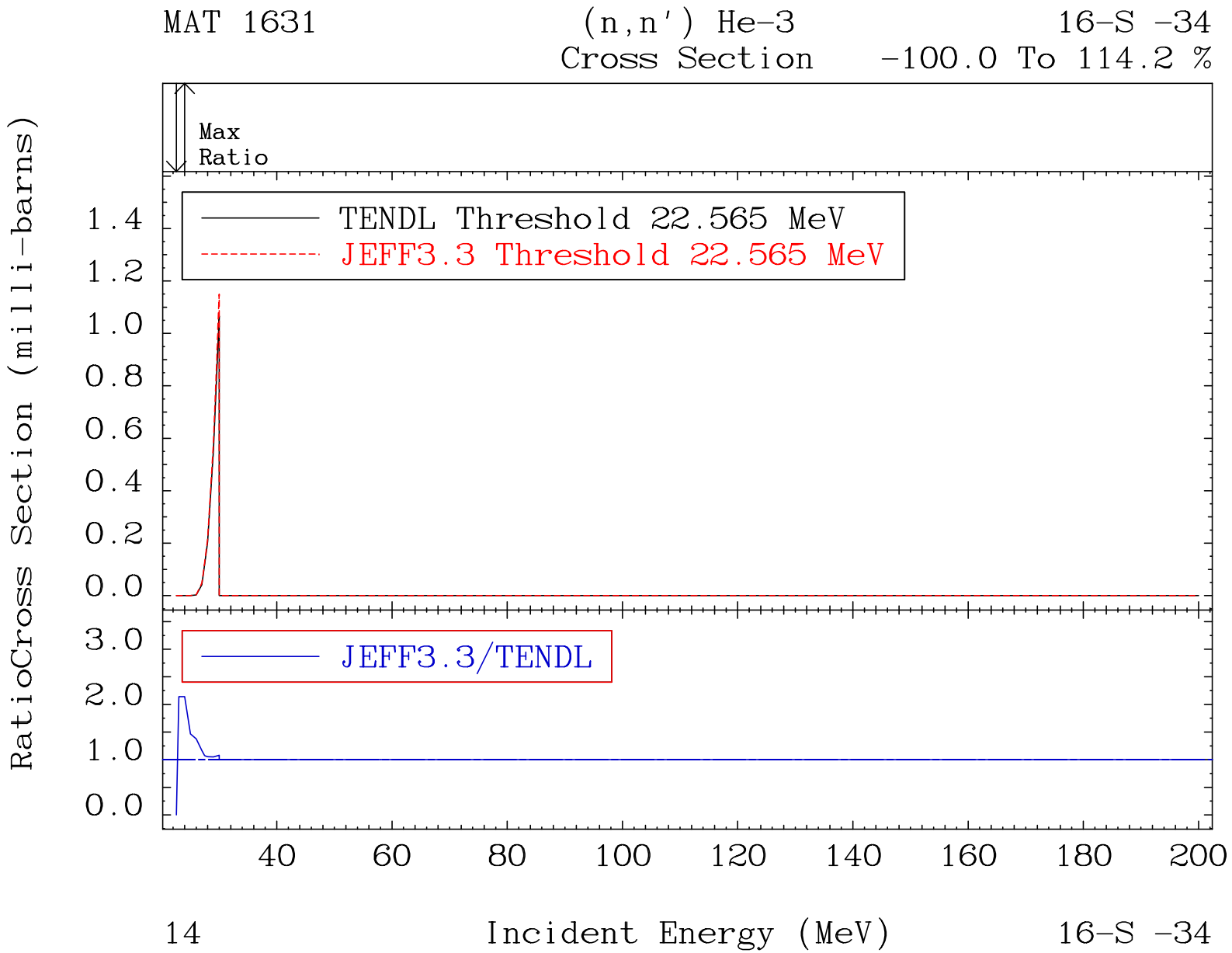

MAT 1631
(n,3n) α
16-S -34
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 27.808 MeV
JEFF3.3 Threshold 27.727 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
100
80
60
40
20
0
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
9
Incident Energy (MeV)
16-S -34

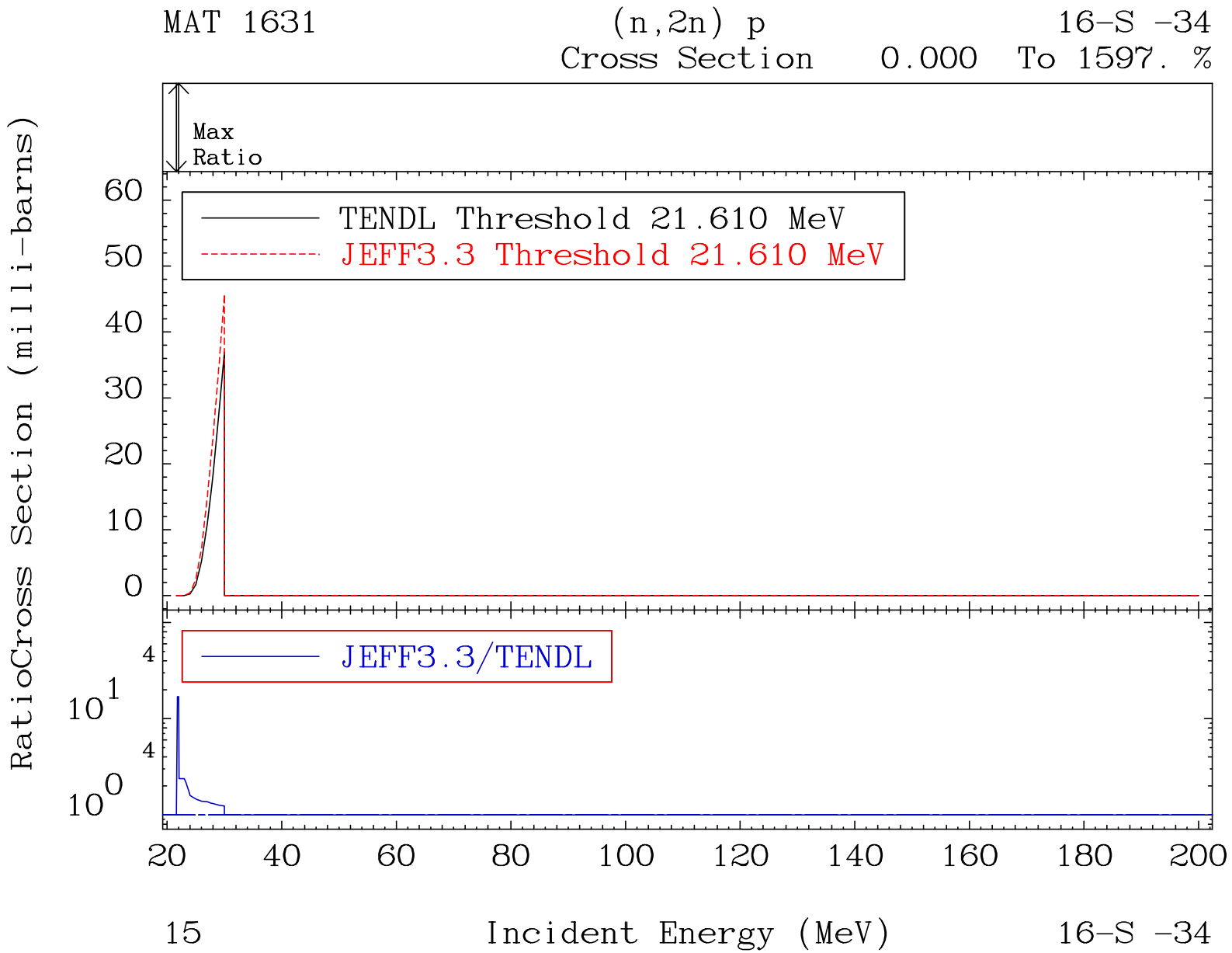

MAT 1631
(n,n') p
Cross Section
16-S -34
-51.90 To 88.34 %
Min
Ratio
TENDL Threshold 11.207 MeV
JEFF3.3 Threshold 11.207 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
16-S -34

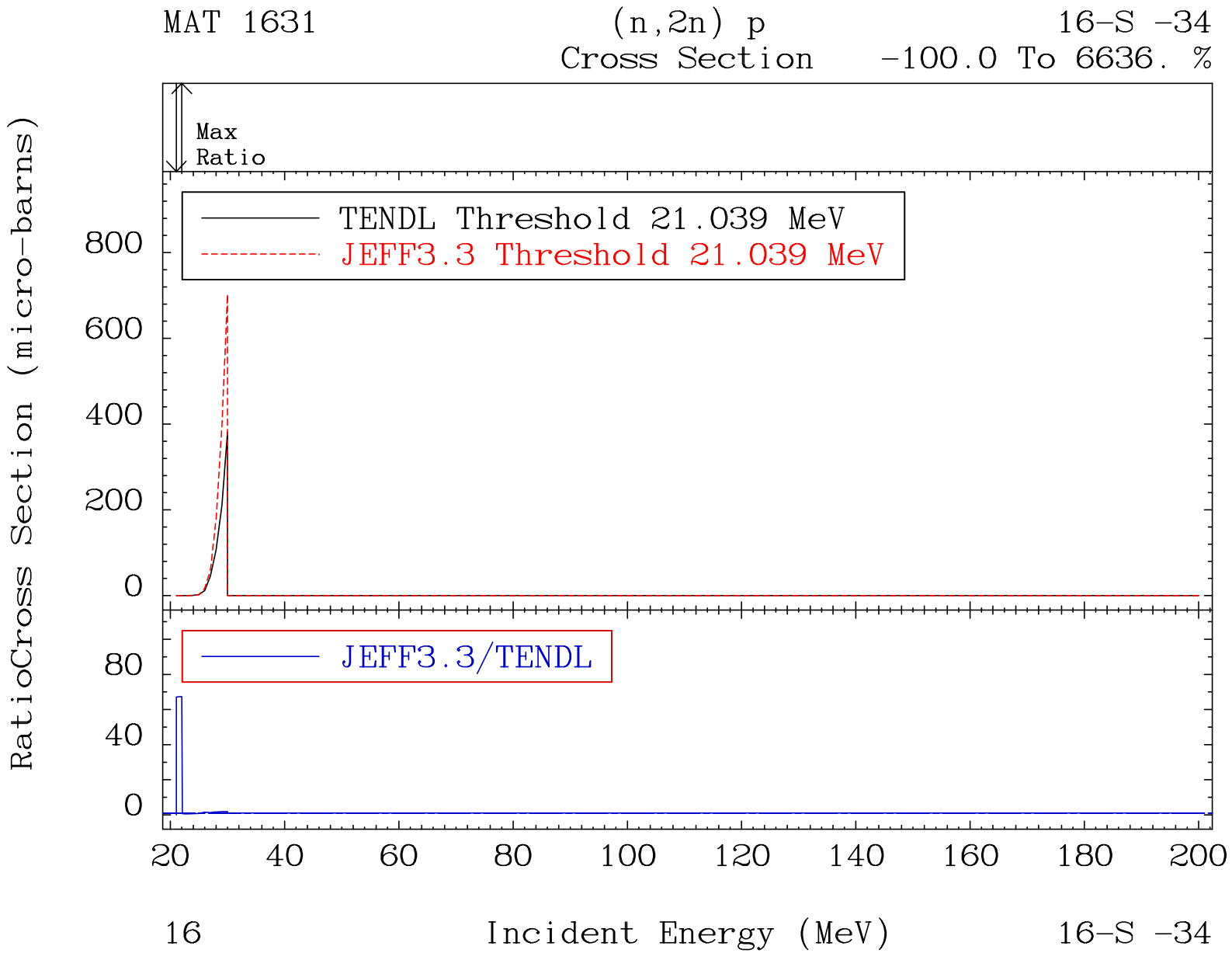

MAT 1631
(n,n') 2α
16-S -34
Cross Section
-100.0 To 2750. %
Max
Ratio
TENDL Threshold 19.118 MeV
JEFF3.3 Threshold 19.118 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
150
100
50
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
16-S -34

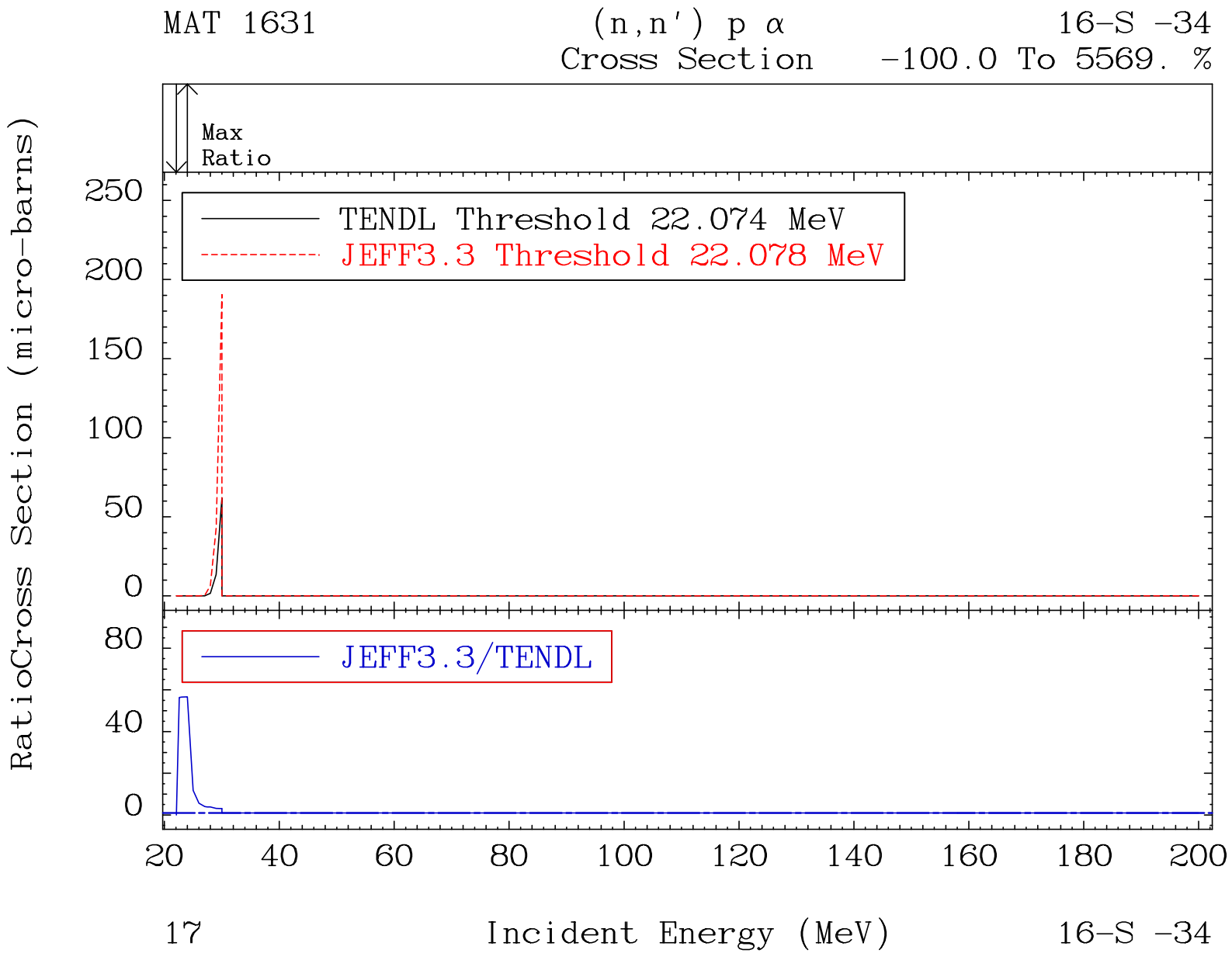

MAT 1631
(n,n') d
Cross Section
16-S -34
-100.0 To 517.1 %
Max
Ratio
TENDL Threshold 19.320 MeV
JEFF3.3 Threshold 19.320 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
16-S -34

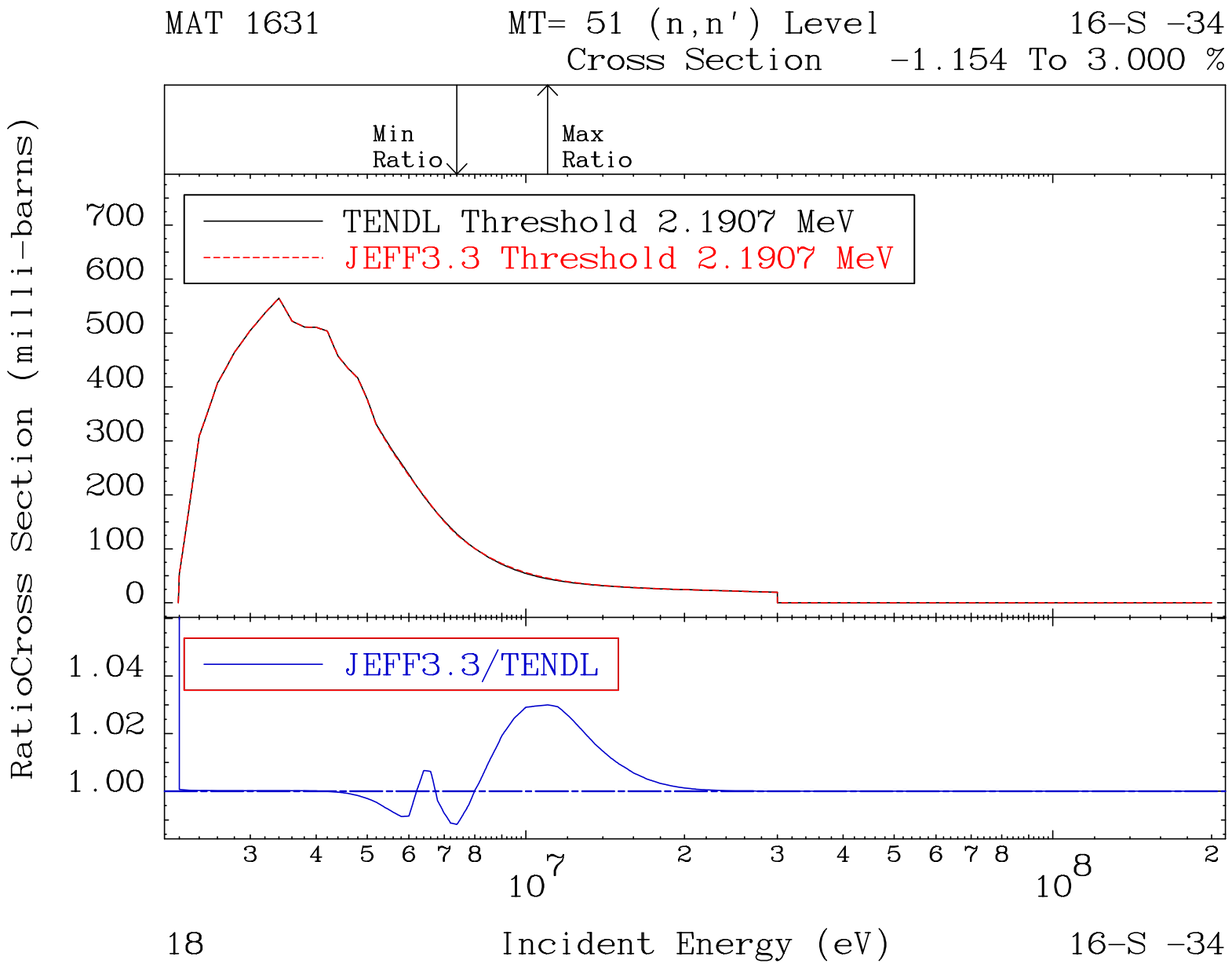

MAT 1631
(n,n') t
16-S -34
Cross Section 0.000 To 269.5 %
Min
Ratio
TENDL Threshold 21.048 MeV
JEFF3.3 Threshold 20.993 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
7
2
4
20
40
60
80
100
120
140
160
180
200
13
Incident Energy (MeV)
16-S -34

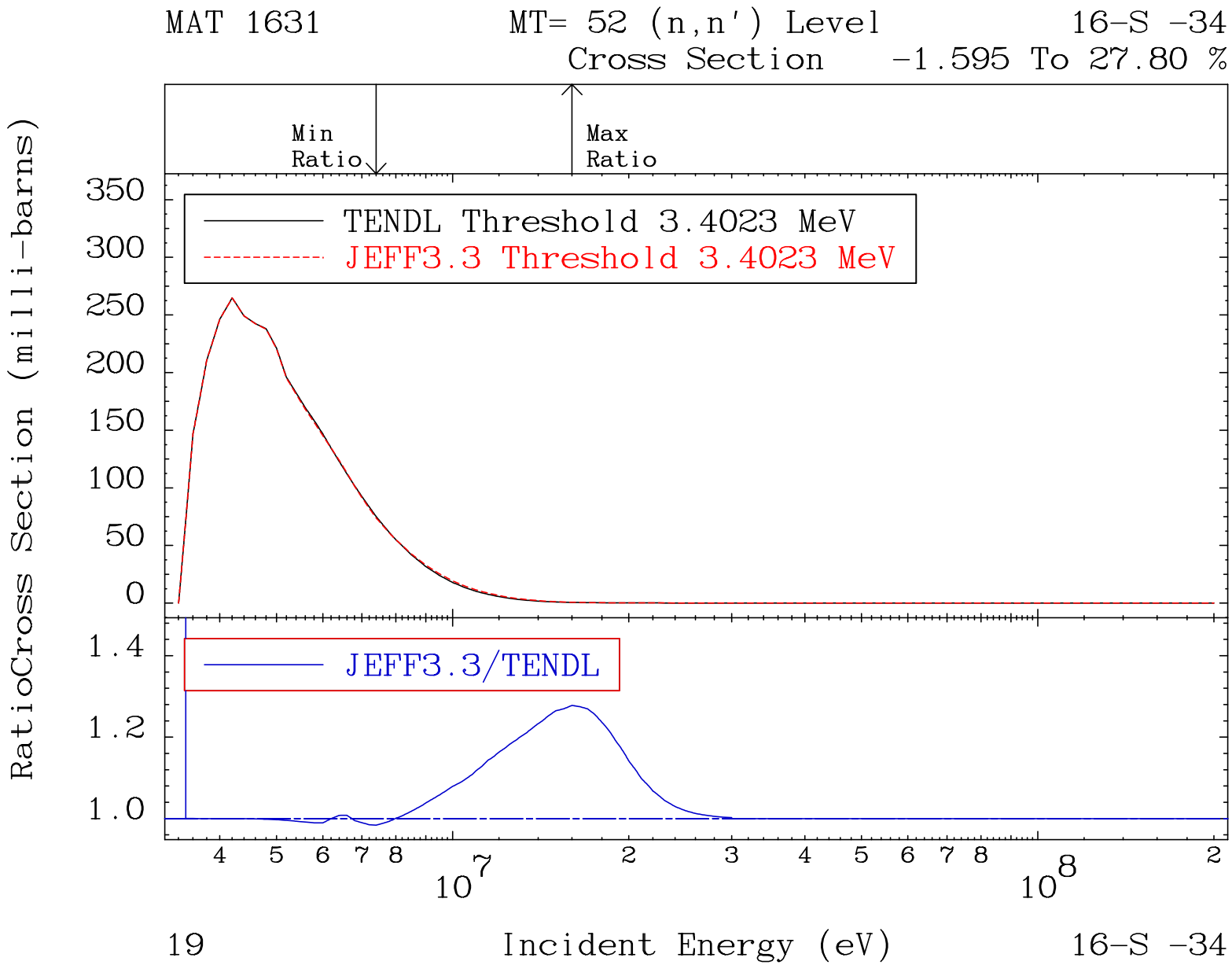

MAT 1631
(n,n') He-3
16-S -34
Cross Section
-100.0 To 114.2 %
Max
Ratio
TENDL Threshold 22.565 MeV
JEFF3.3 Threshold 22.565 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
16-S -34

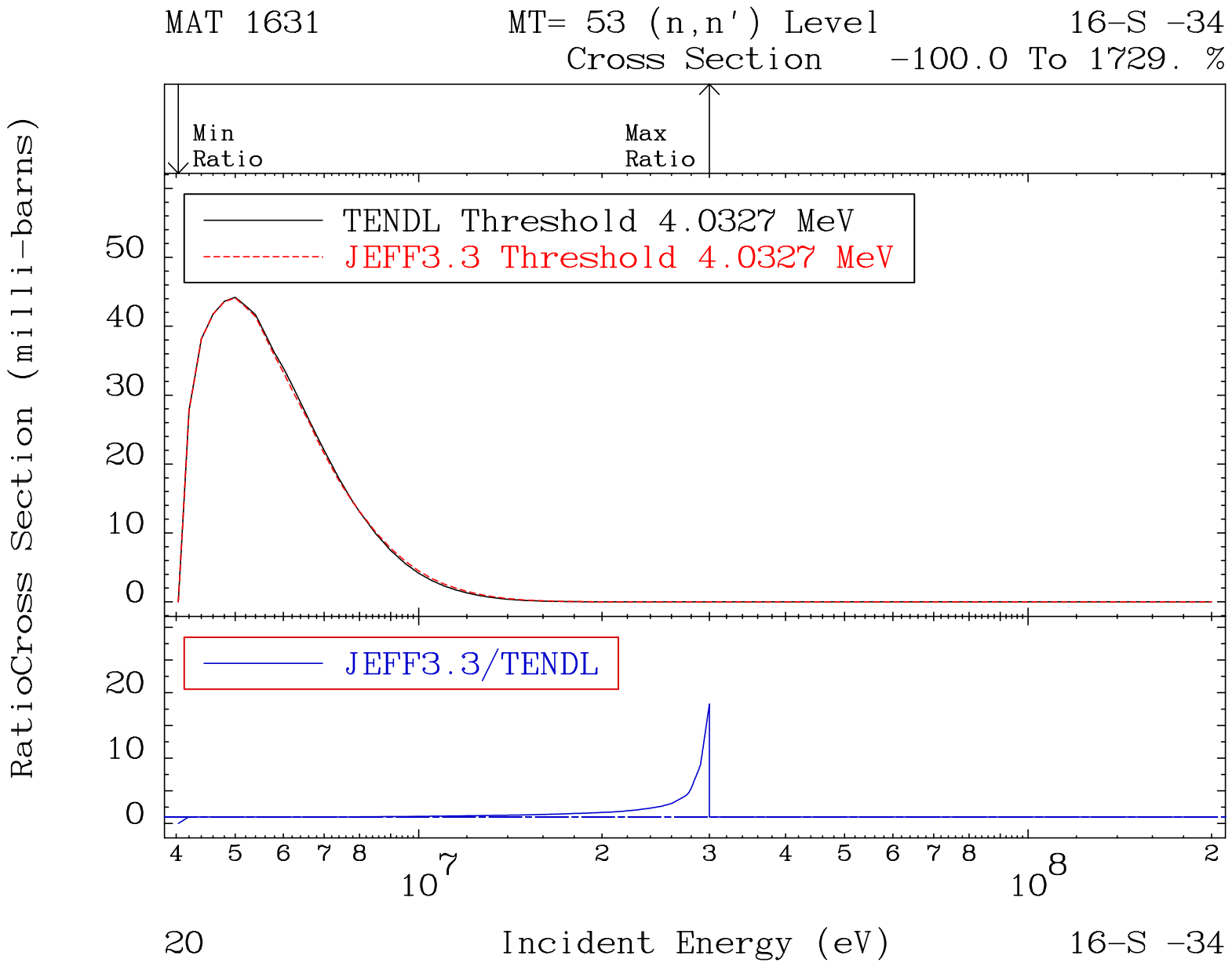

MAT 1631
(n,2n) p
16-S -34
Cross Section 0.000 To 1597. %
Max
Ratio
TENDL Threshold 21.610 MeV
JEFF3.3 Threshold 21.610 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
10^1
4
10^0
20
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
16-S -34

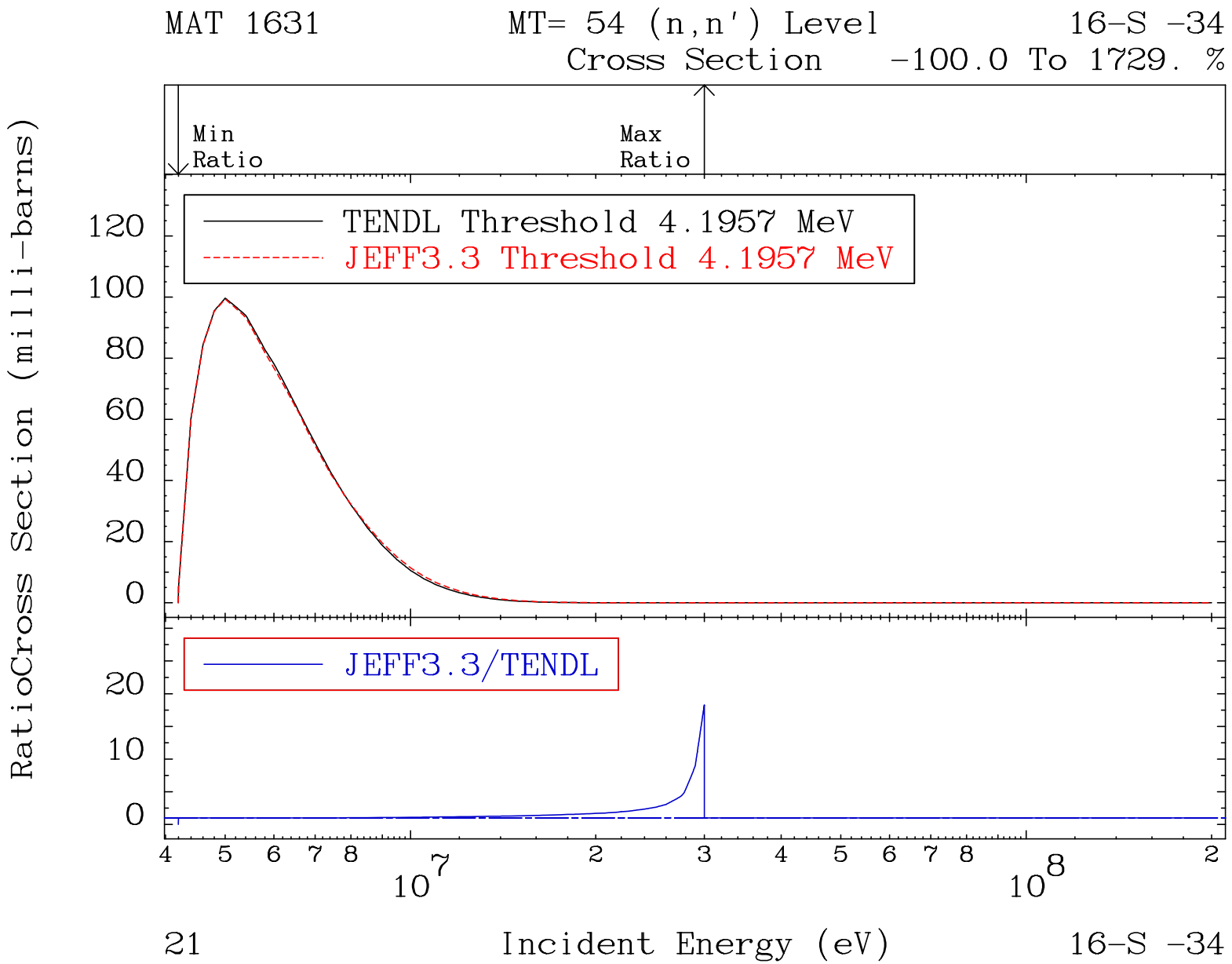

MAT 1631
(n,2n) p
16-S -34
Cross Section
-100.0 To 6636. %
Max
Ratio
TENDL Threshold 21.039 MeV
JEFF3.3 Threshold 21.039 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
80
40
0
20
40
60
80
100
120
140
160
180
200
16
Incident Energy (MeV)
16-S -34

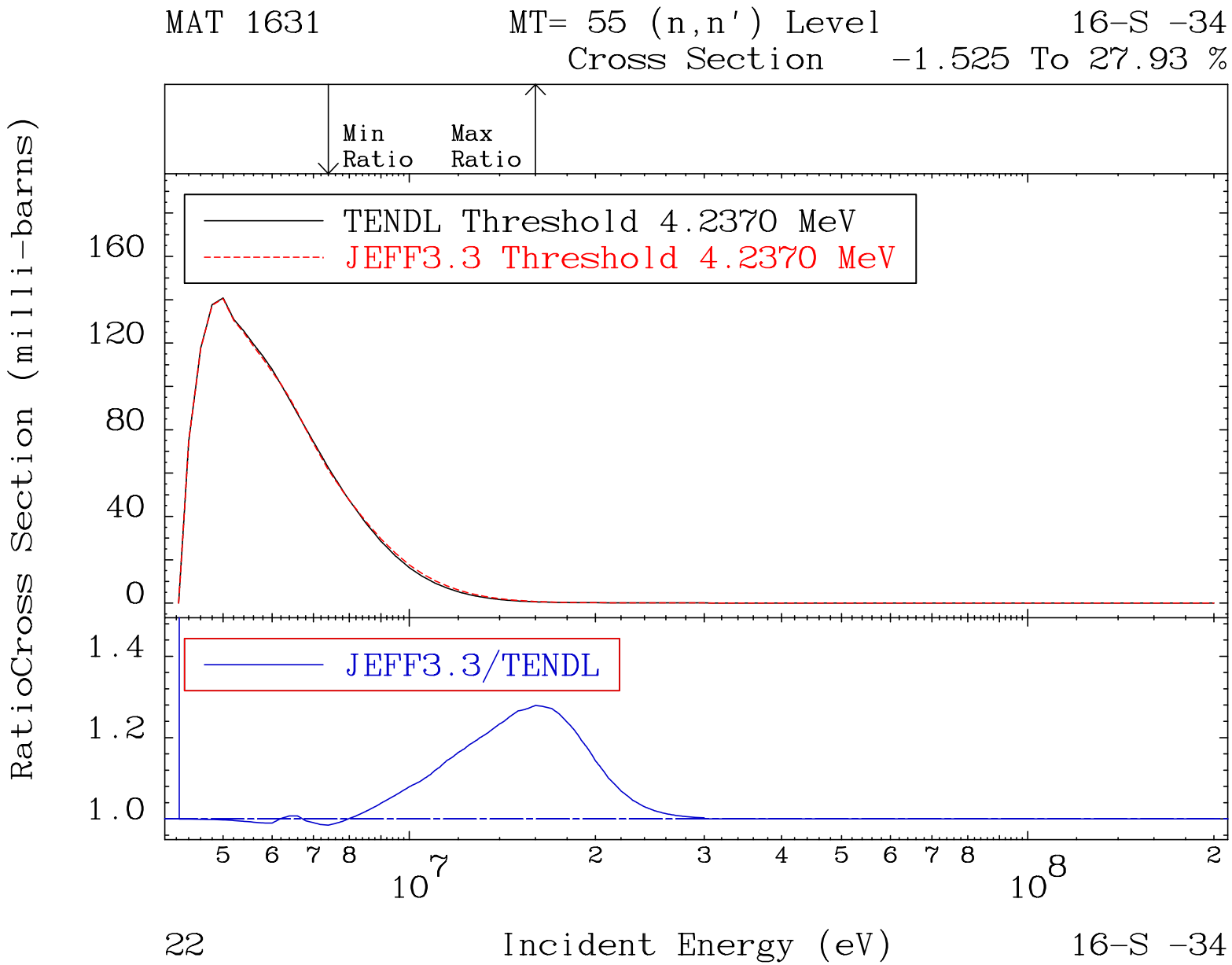

MAT 1631
(n,n') p α
16-S -34
Cross Section
-100.0 To 5569. %
Max
Ratio
TENDL Threshold 22.074 MeV
JEFF3.3 Threshold 22.078 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
80
40
0
20
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
16-S -34

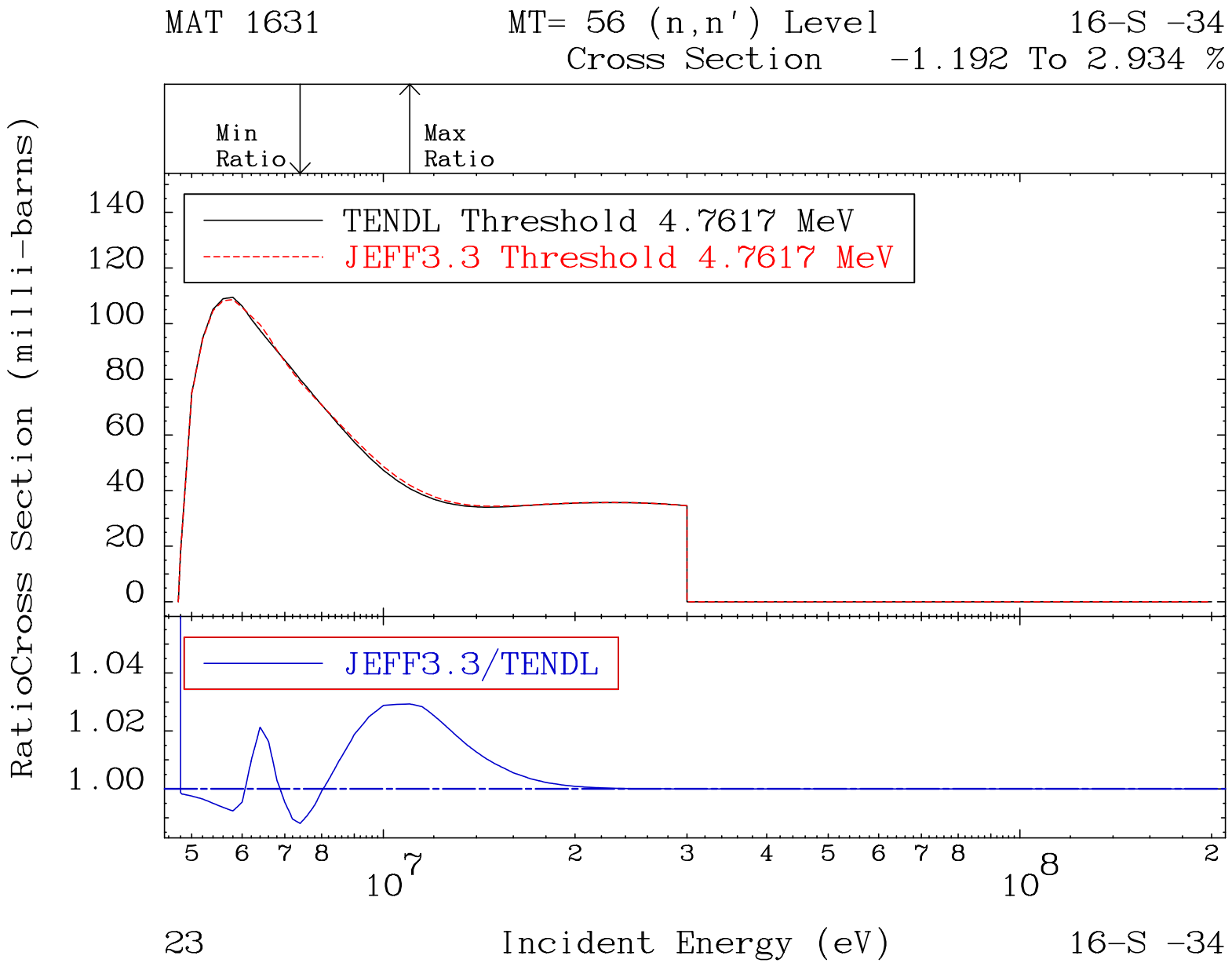

MAT 1631
MT= 51 (n,n') Level
16-S -34
Cross Section -1.154 To 3.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.1907 MeV
JEFF3.3 Threshold 2.1907 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
1.04
1.02
1.00
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
16-S -34

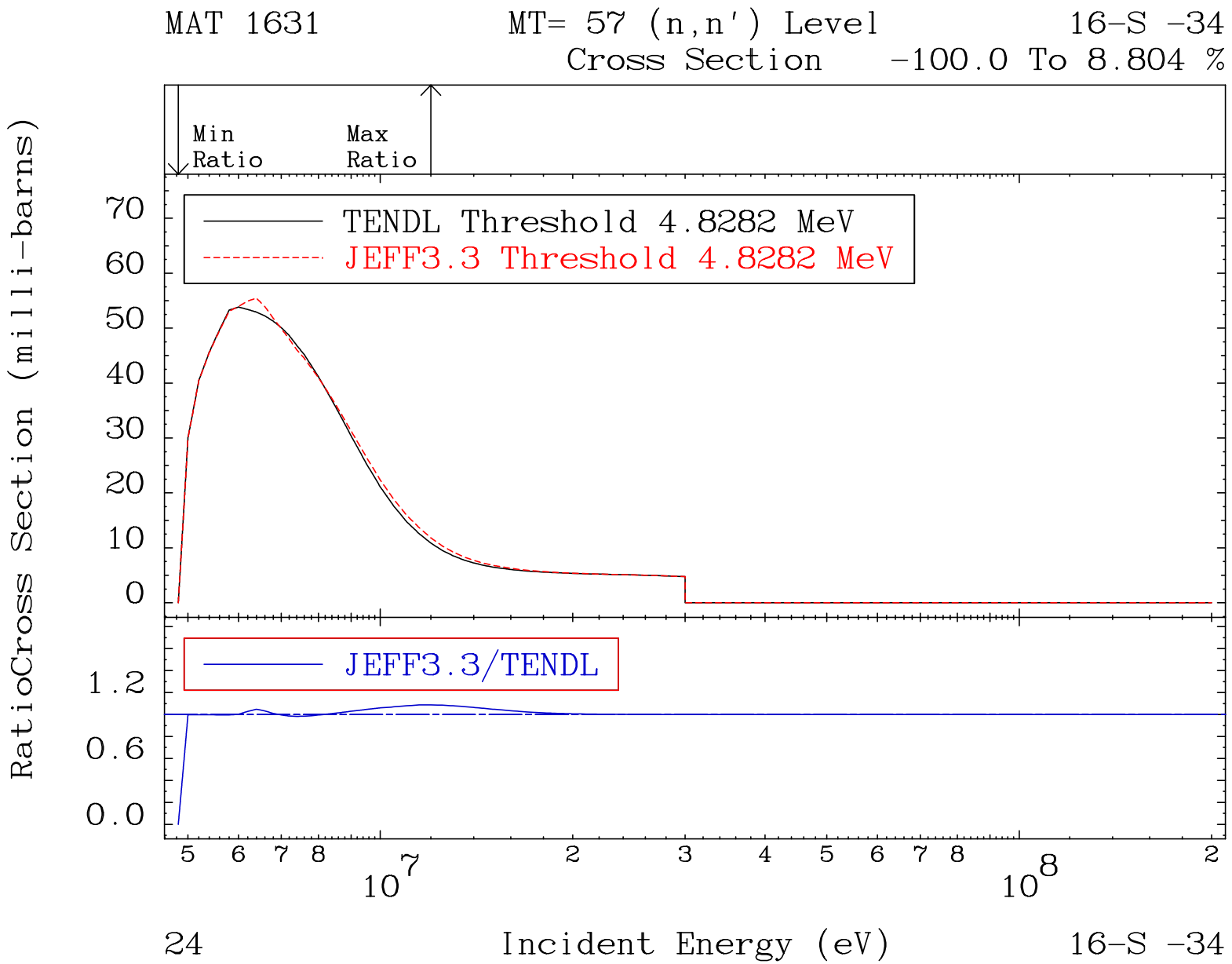

MAT 1631
MT= 52 (n,n') Level
16-S -34
Cross Section -1.595 To 27.80 %
Min Ratio
Max Ratio
TENDL Threshold 3.4023 MeV
JEFF3.3 Threshold 3.4023 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.4
1.2
1.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
16-S -34

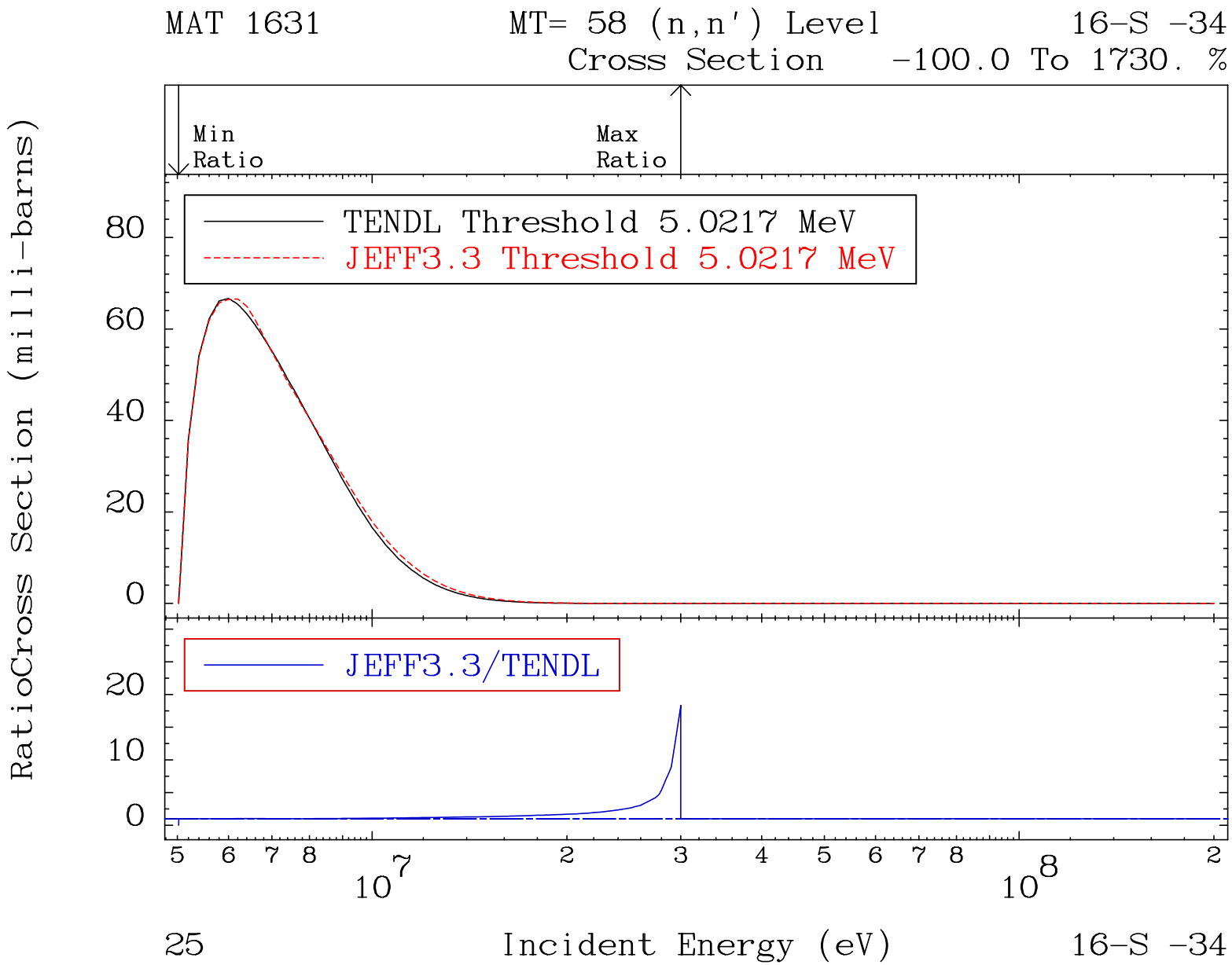

MAT 1631
MT= 53 (n,n') Level
16-S -34
Cross Section -100.0 To 1729. %
Min Ratio
Max Ratio
TENDL Threshold 4.0327 MeV
JEFF3.3 Threshold 4.0327 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
20
10
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
16-S -34

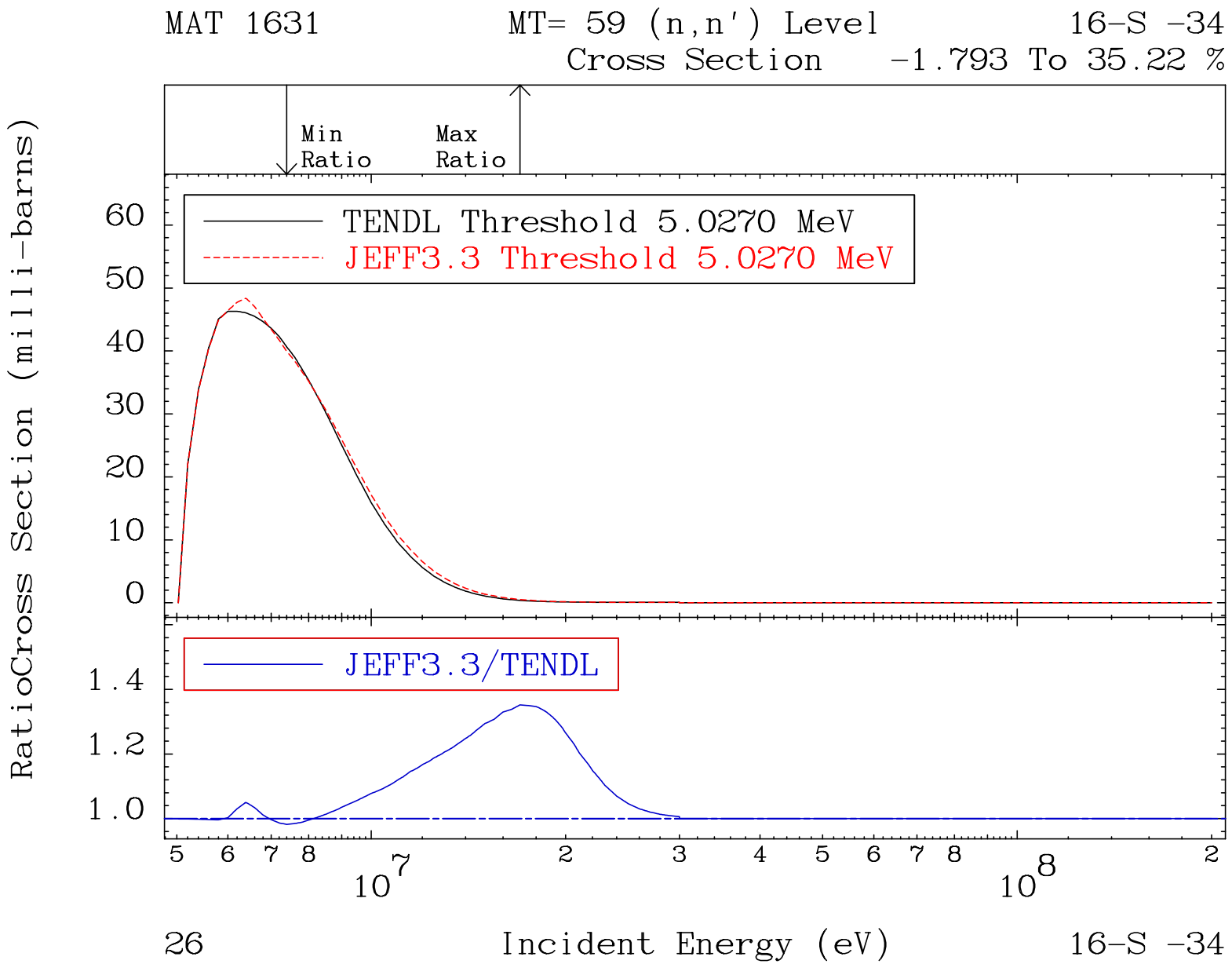

MAT 1631
MT= 54 (n,n') Level
16-S -34
Cross Section -100.0 To 1729. %
Min Ratio
Max Ratio
TENDL Threshold 4.1957 MeV
JEFF3.3 Threshold 4.1957 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
10
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
16-S -34

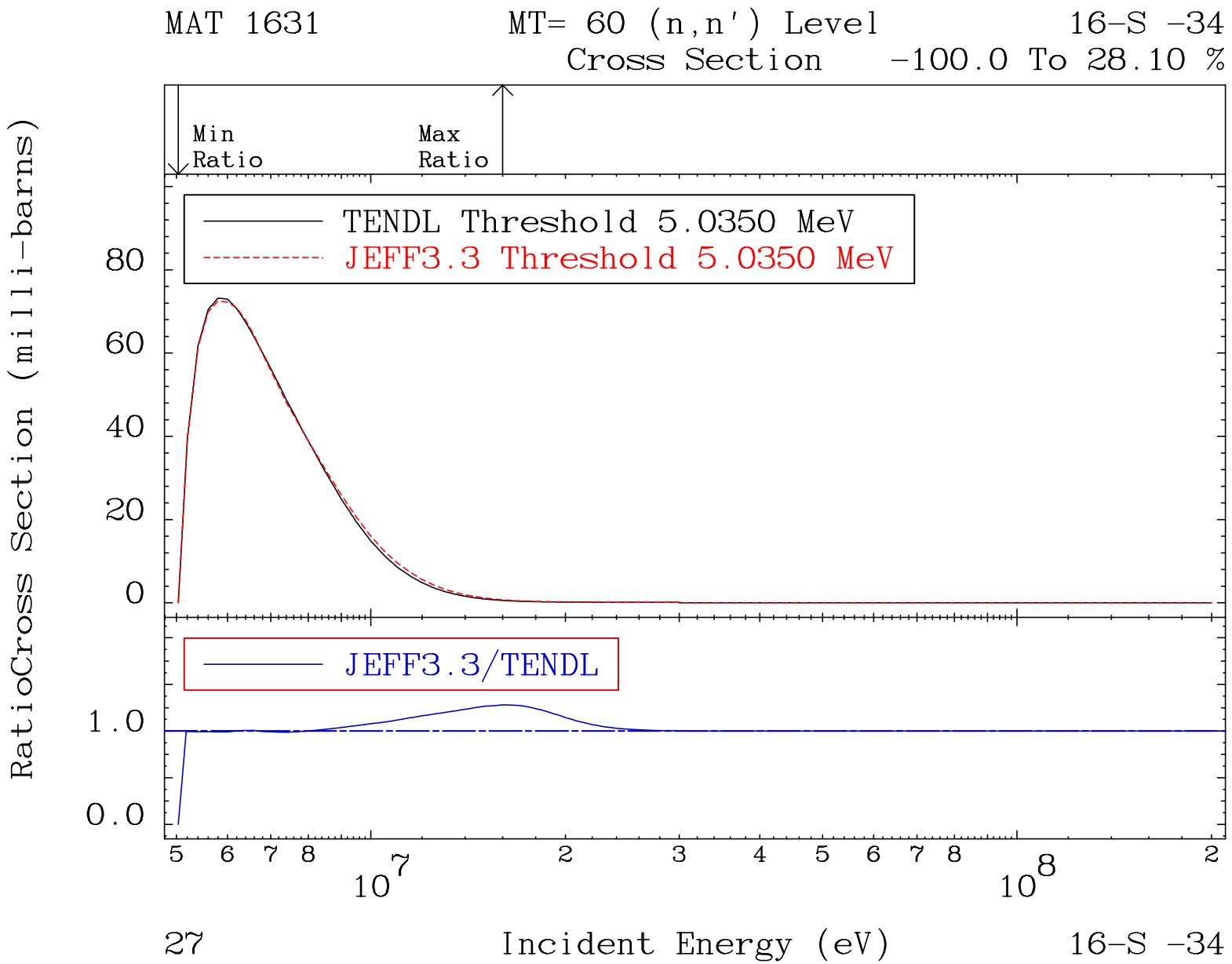

MAT 1631
MT= 55 (n,n') Level
16-S -34
Cross Section
-1.525 To 27.93 %
Min Ratio
Max Ratio
TENDL Threshold 4.2370 MeV
JEFF3.3 Threshold 4.2370 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.4
1.2
1.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
16-S -34

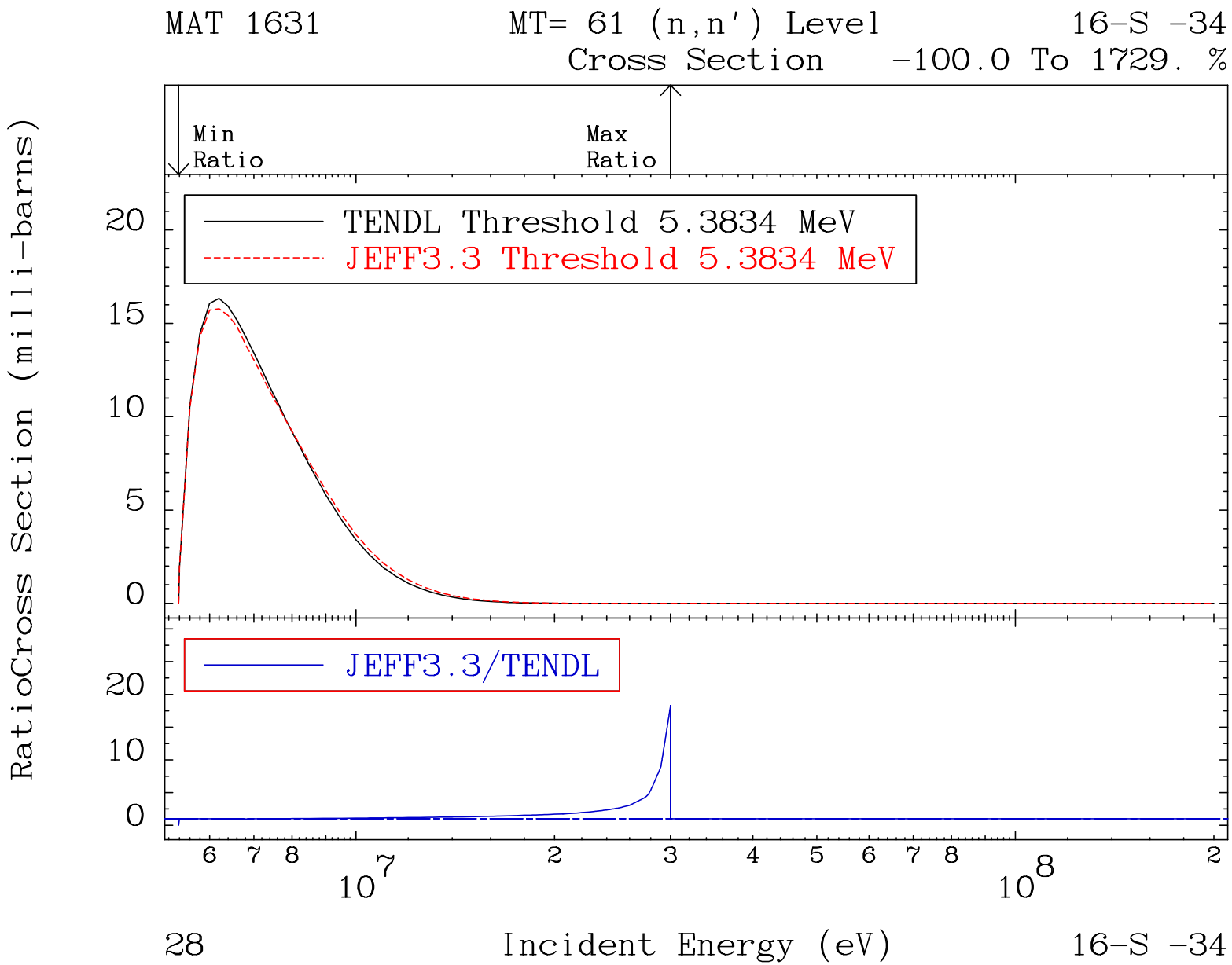

MAT 1631
MT= 56 (n,n') Level
16-S -34
Cross Section -1.192 To 2.934 %
Min Ratio
Max Ratio
TENDL Threshold 4.7617 MeV
JEFF3.3 Threshold 4.7617 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.04
1.02
1.00
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
16-S -34

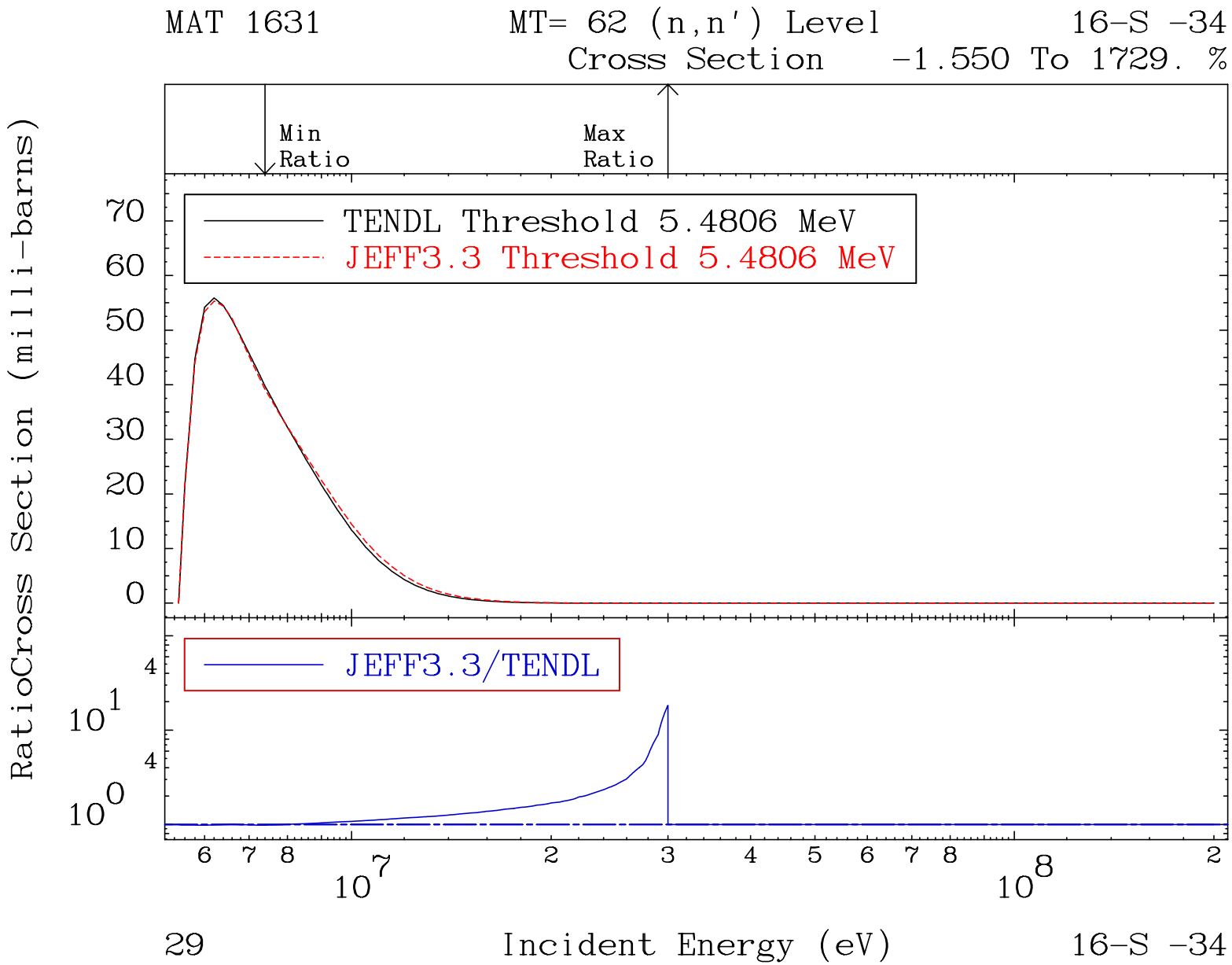

MAT 1631
MT= 57 (n,n') Level
16-S -34
Cross Section
-100.0 To 8.804 %
Min Ratio
Max Ratio
TENDL Threshold 4.8282 MeV
JEFF3.3 Threshold 4.8282 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
16-S -34

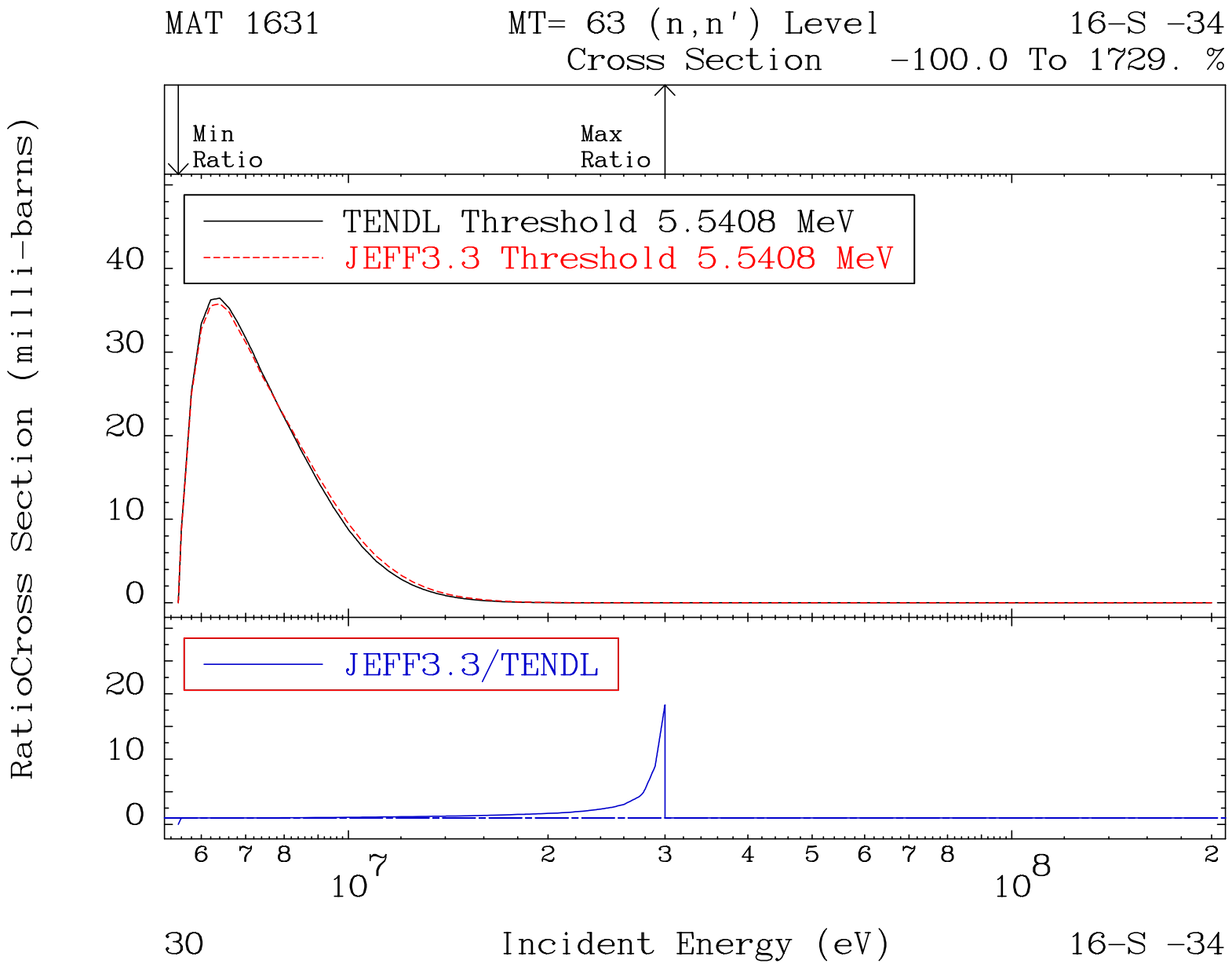

MAT 1631
MT= 58 (n,n') Level
16-S -34
Cross Section -100.0 To 1730. %
Min Ratio
Max Ratio
TENDL Threshold 5.0217 MeV
JEFF3.3 Threshold 5.0217 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
16-S -34

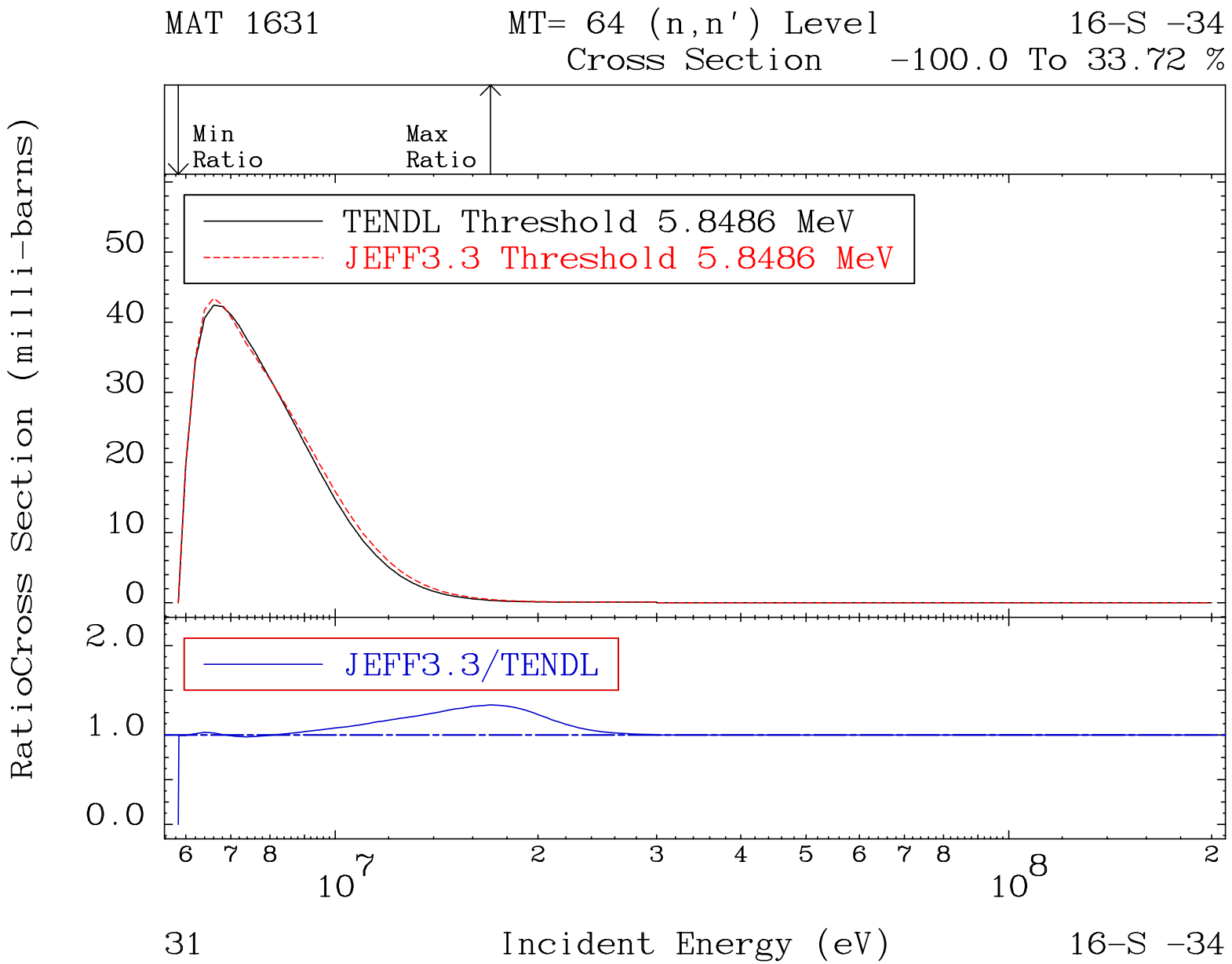

MAT 1631
MT= 59 (n,n') Level
16-S -34
Cross Section -1.793 To 35.22 %
Min Ratio
Max Ratio
TENDL Threshold 5.0270 MeV
JEFF3.3 Threshold 5.0270 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.4
1.2
1.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
16-S -34

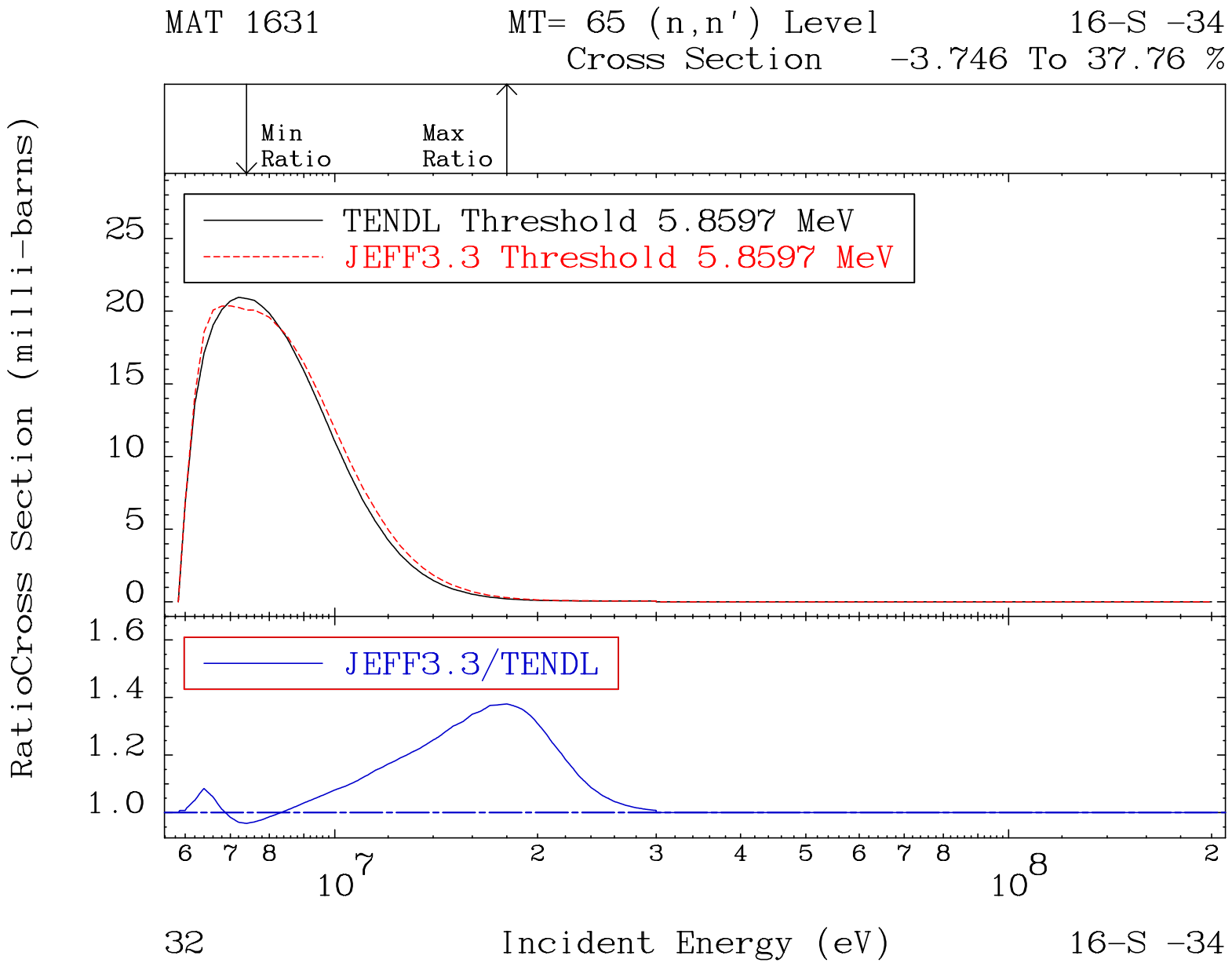

MAT 1631
MT= 60 (n,n') Level
16-S -34
Cross Section
-100.0 To 28.10 %
Min Ratio
Max Ratio
TENDL Threshold 5.0350 MeV
JEFF3.3 Threshold 5.0350 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
16-S -34

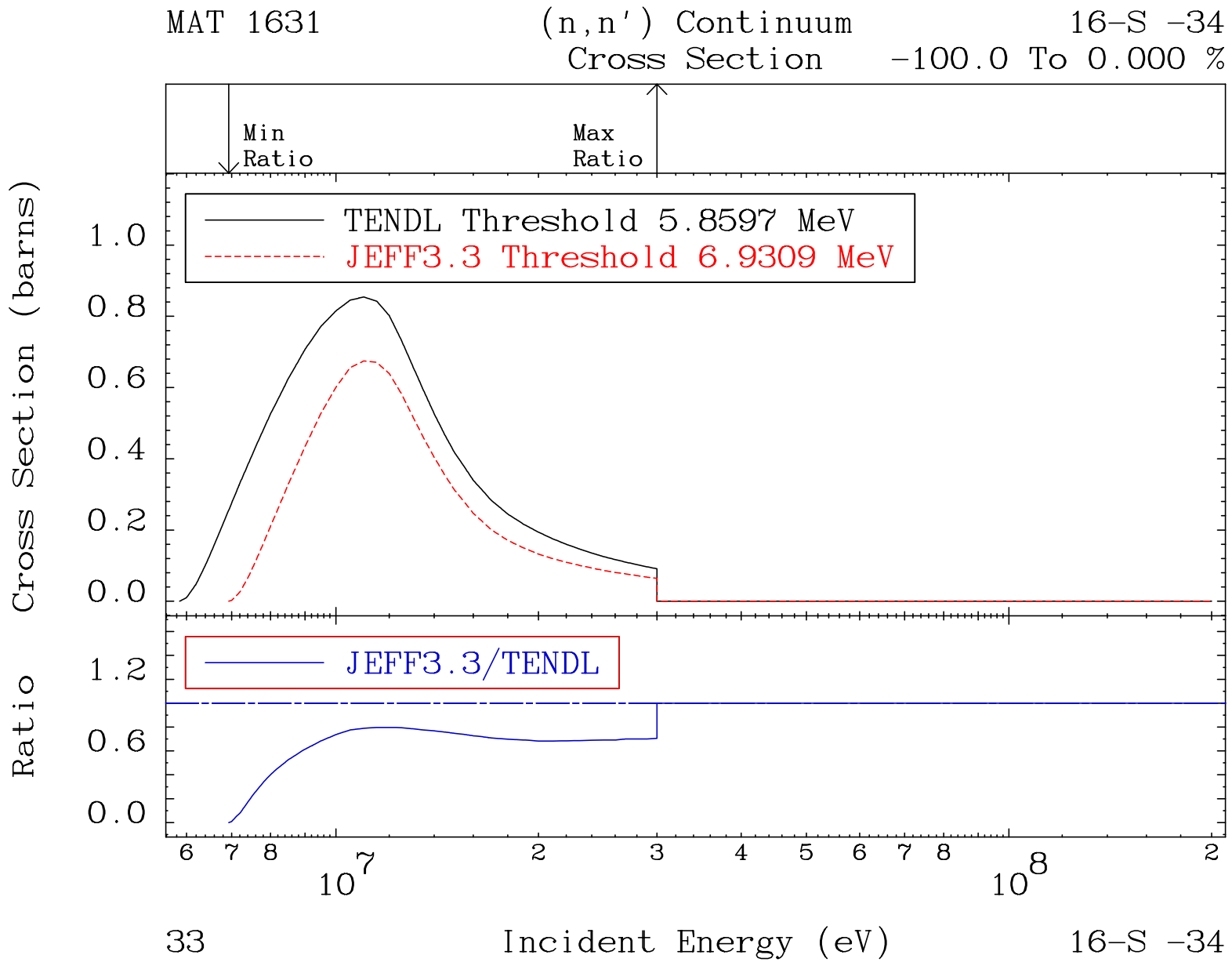

MAT 1631
MT= 61 (n,n') Level
16-S -34
Cross Section -100.0 To 1729. %
Min Ratio
Max Ratio
TENDL Threshold 5.3834 MeV
JEFF3.3 Threshold 5.3834 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
16-S -34

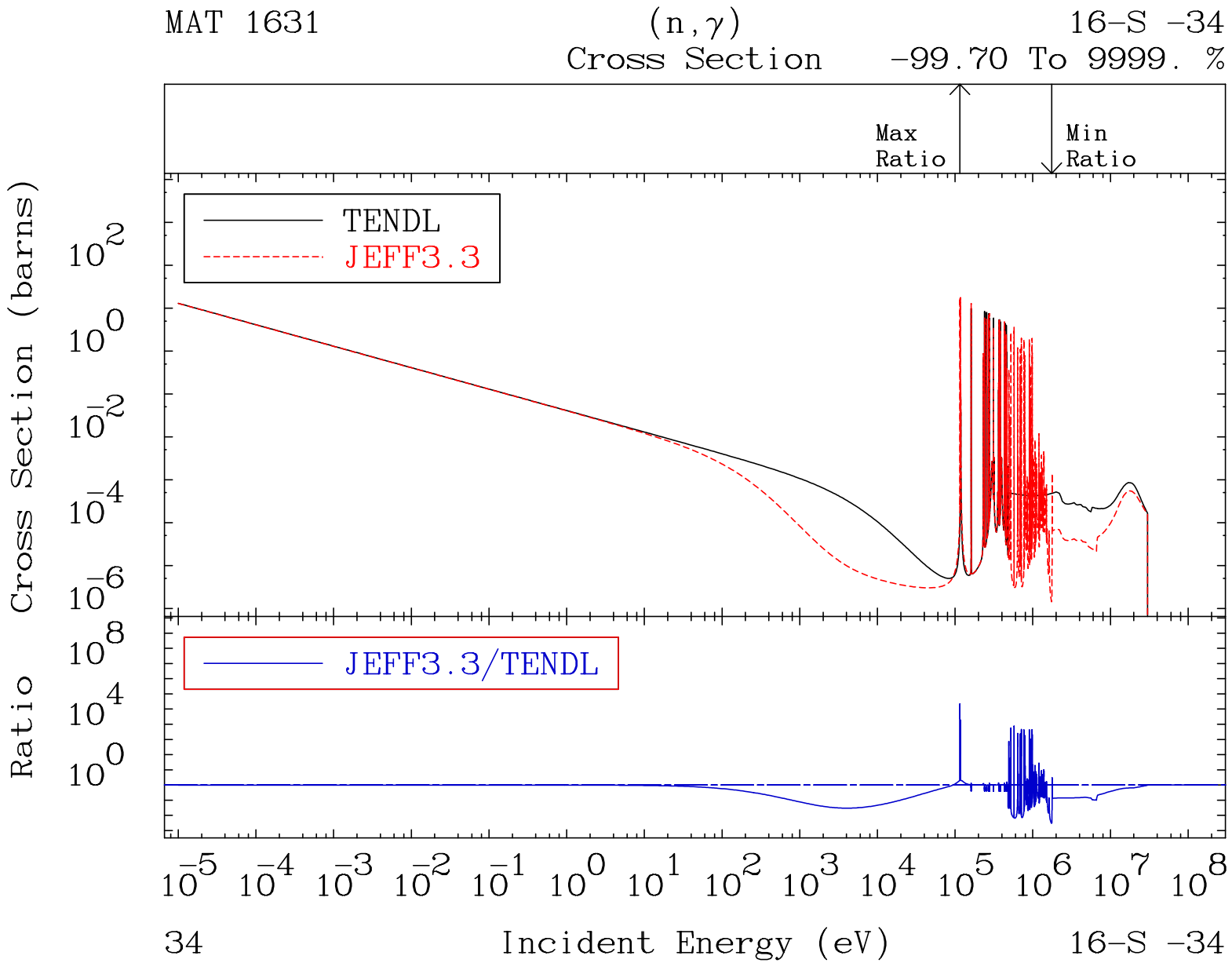

MAT 1631
MT= 62 (n,n') Level
16-S -34
Cross Section -1.550 To 1729. %
Min Ratio
Max Ratio
TENDL Threshold 5.4806 MeV
JEFF3.3 Threshold 5.4806 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
16-S -34

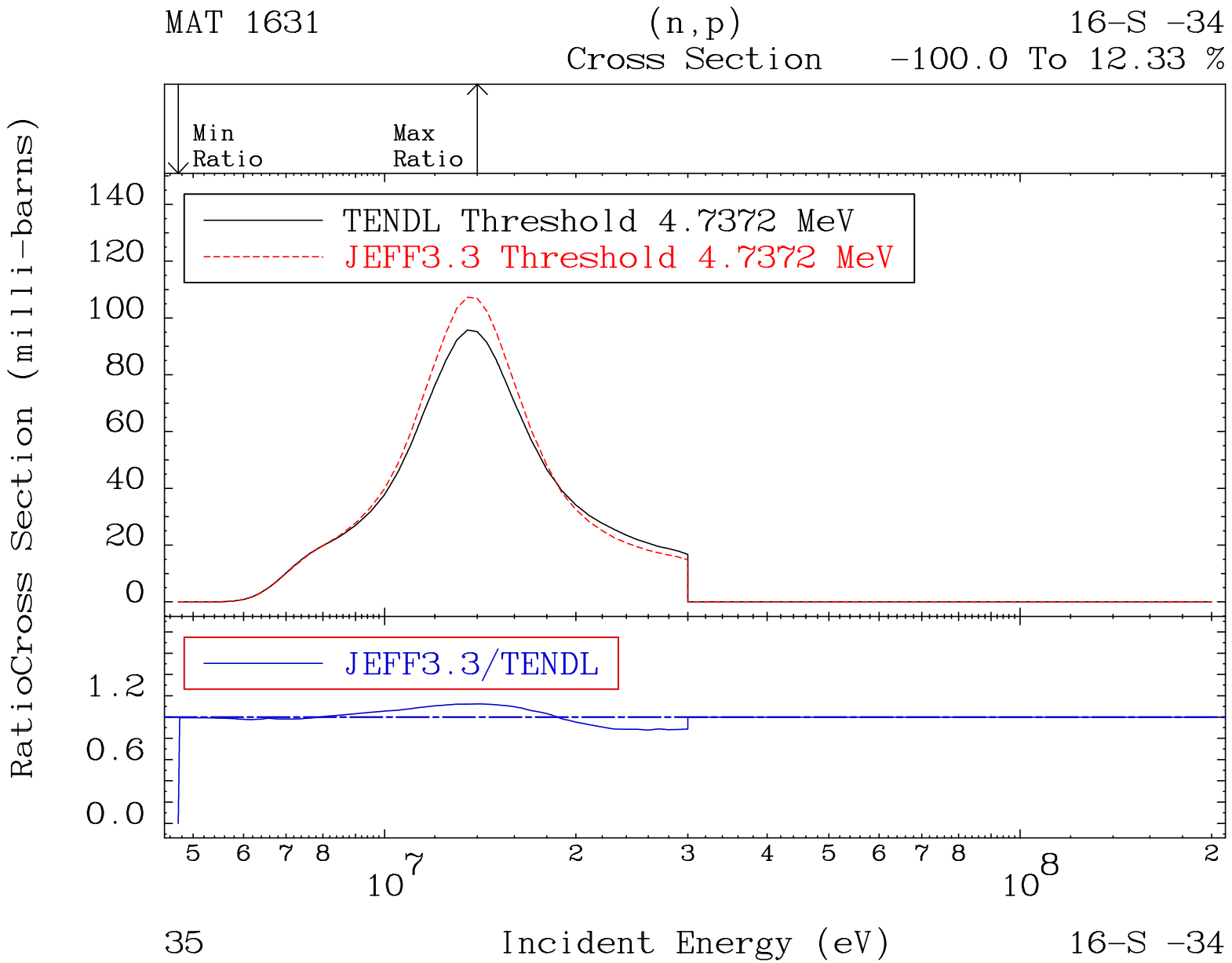

MAT 1631
MT= 63 (n,n') Level
16-S -34
Cross Section -100.0 To 1729. %
Min Ratio
Max Ratio
TENDL Threshold 5.5408 MeV
JEFF3.3 Threshold 5.5408 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
16-S -34

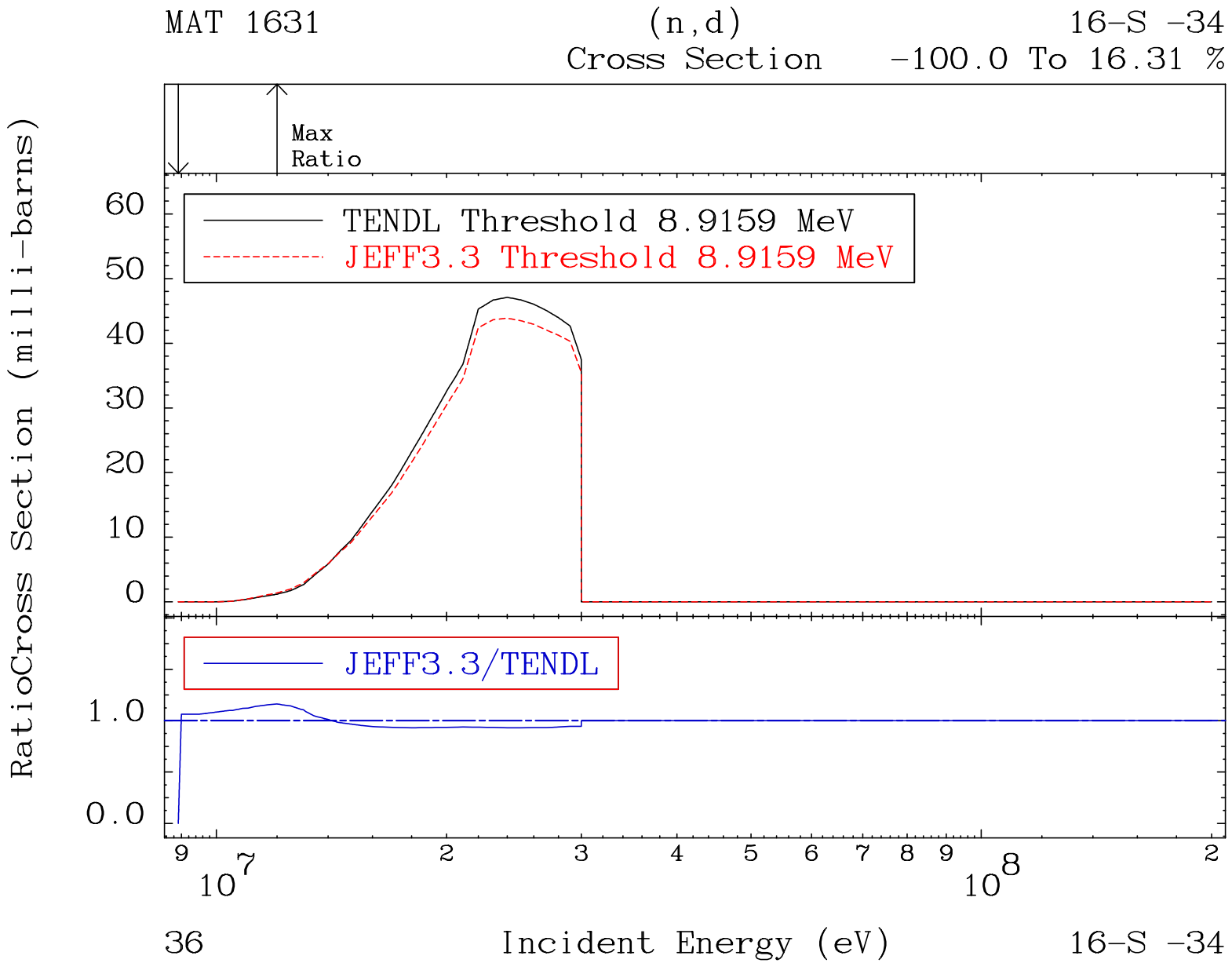

MAT 1631
MT= 64 (n,n') Level
16-S -34
Cross Section -100.0 To 33.72 %
Min Ratio
Max Ratio
TENDL Threshold 5.8486 MeV
JEFF3.3 Threshold 5.8486 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
16-S -34

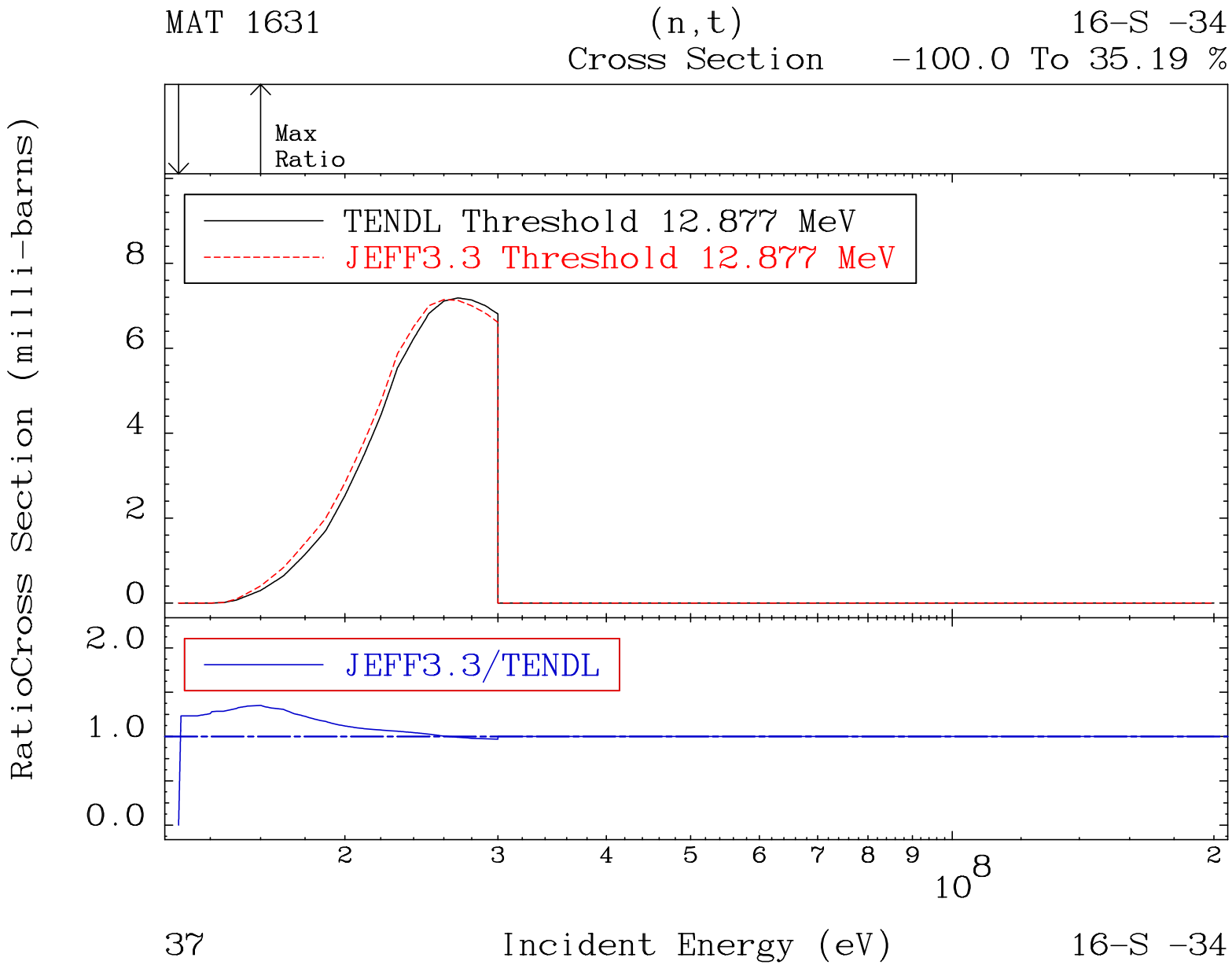

MAT 1631
MT= 65 (n,n') Level
16-S -34
Cross Section -3.746 To 37.76 %
Min Ratio
Max Ratio
TENDL Threshold 5.8597 MeV
JEFF3.3 Threshold 5.8597 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.6
1.4
1.2
1.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
16-S -34

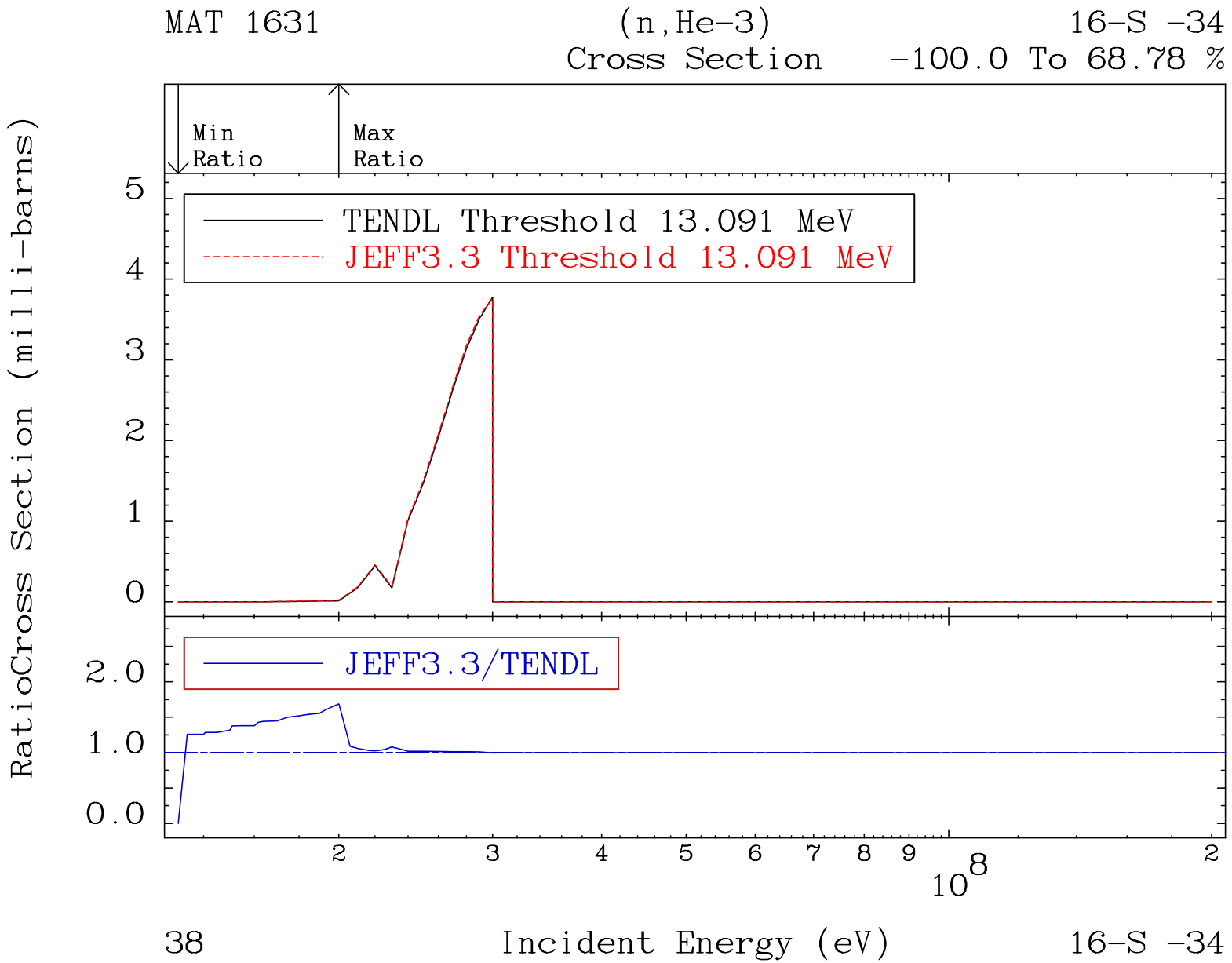

MAT 1631
(n,n') Continuum
Cross Section
16-S -34
-100.0 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 5.8597 MeV
JEFF3.3 Threshold 6.9309 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
16-S -34

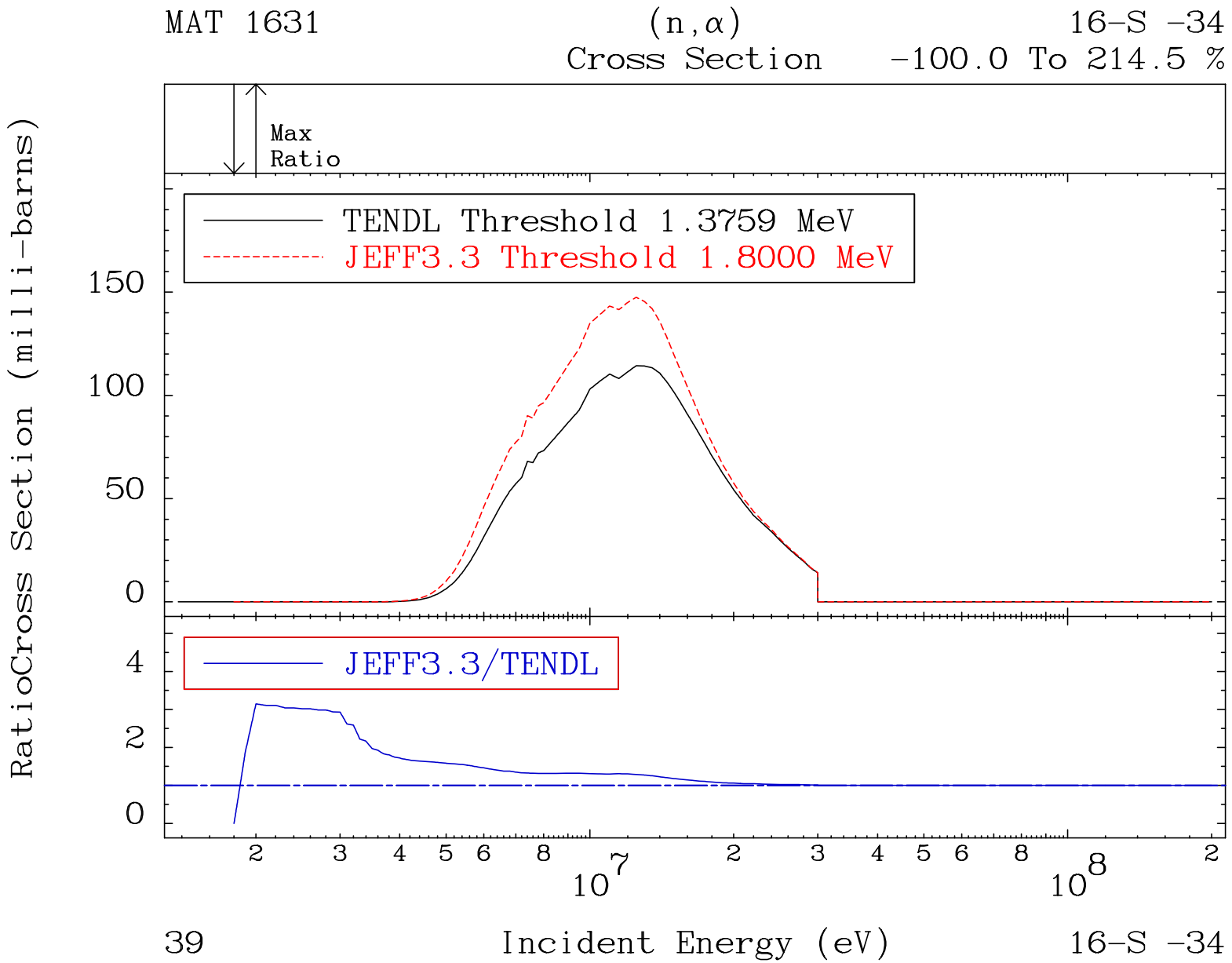

MAT 1631
(n,γ)
Cross Section
16-S -34
-99.70 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
16-S -34

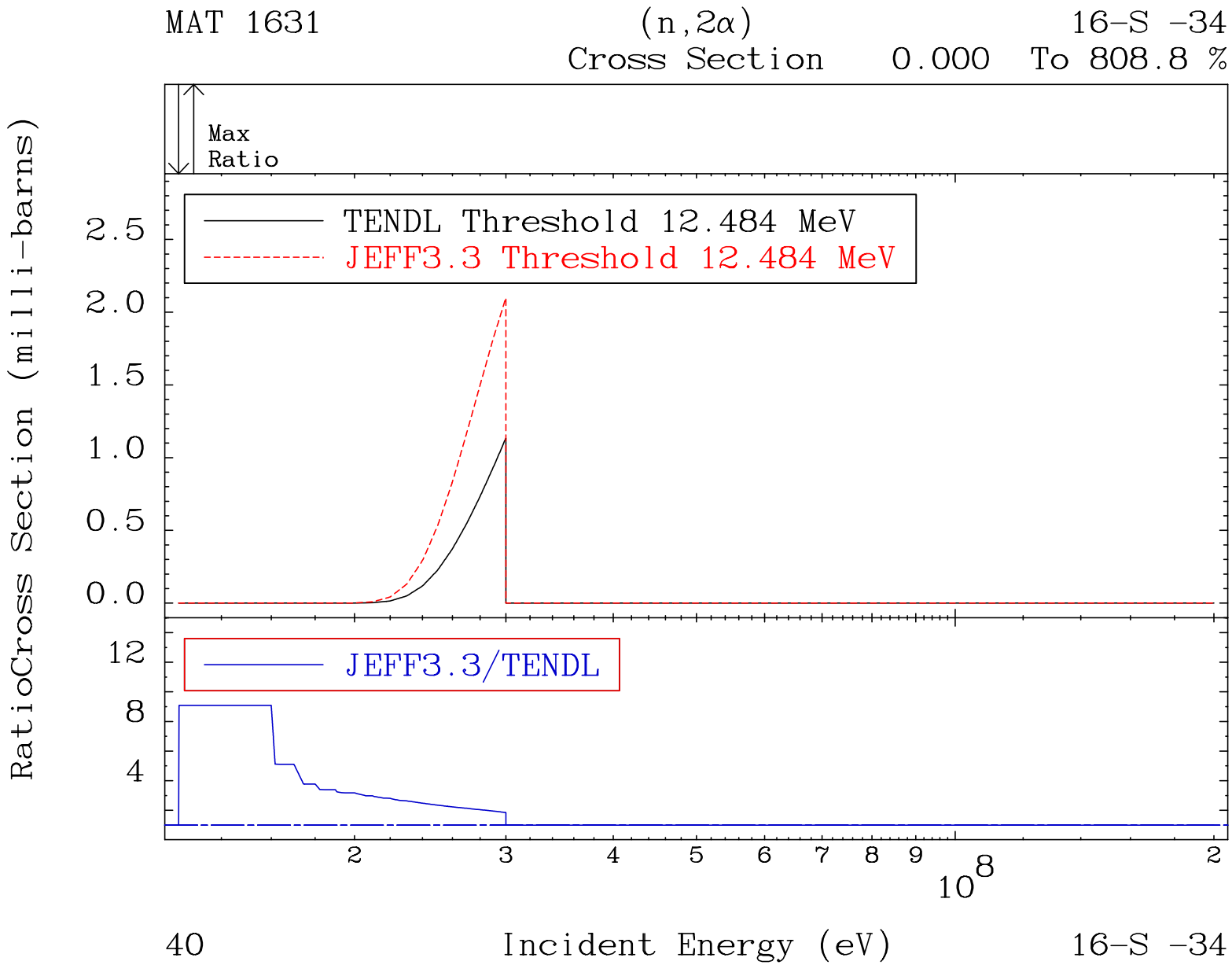

MAT 1631
(n,p)
16-S -34
Cross Section
-100.0 To 12.33 %
Min Ratio
Max Ratio
TENDL Threshold 4.7372 MeV
JEFF3.3 Threshold 4.7372 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
16-S -34

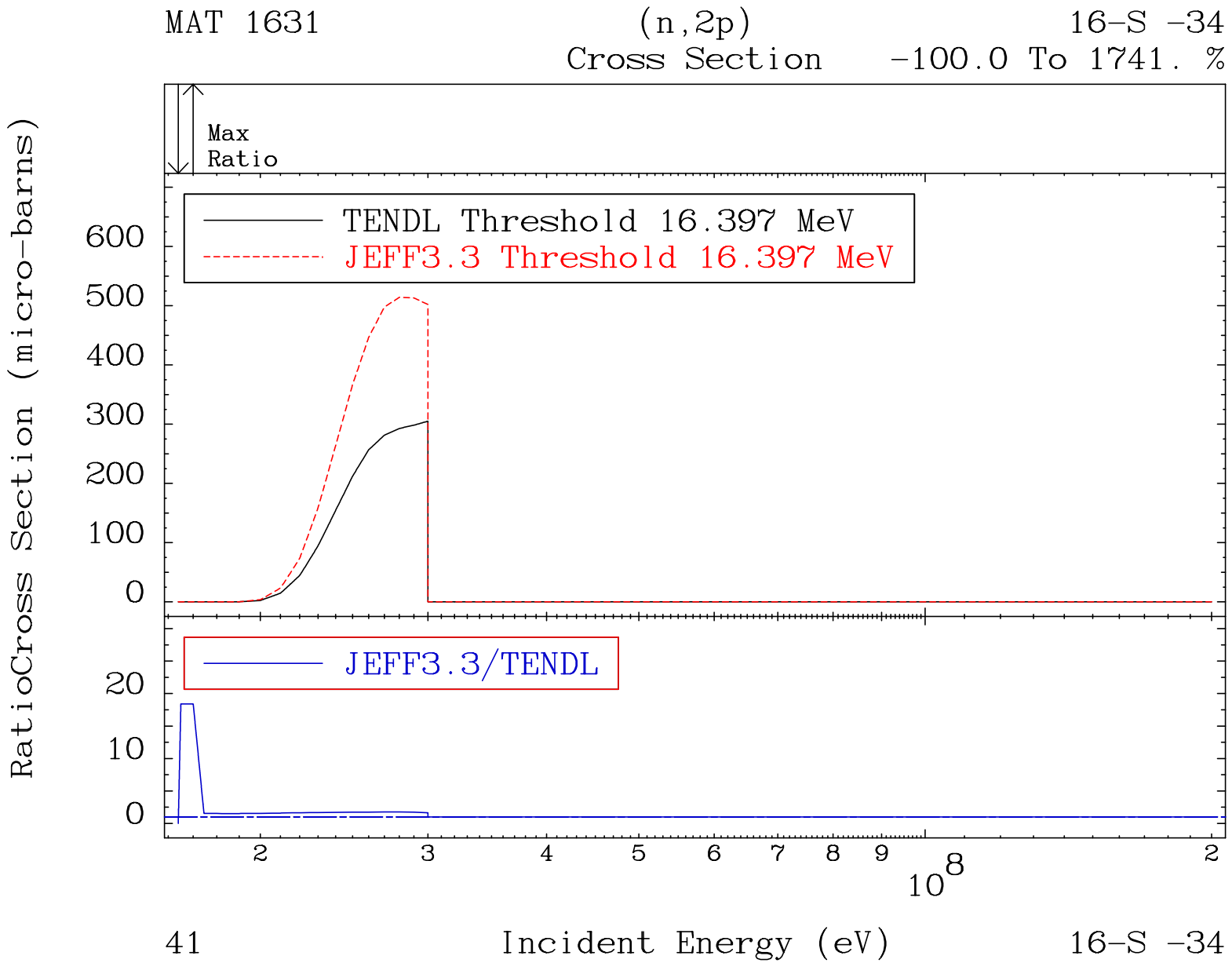

MAT 1631
(n,d)
16-S -34
Cross Section
-100.0 To 16.31 %
Max
Ratio
TENDL Threshold 8.9159 MeV
JEFF3.3 Threshold 8.9159 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
16-S -34

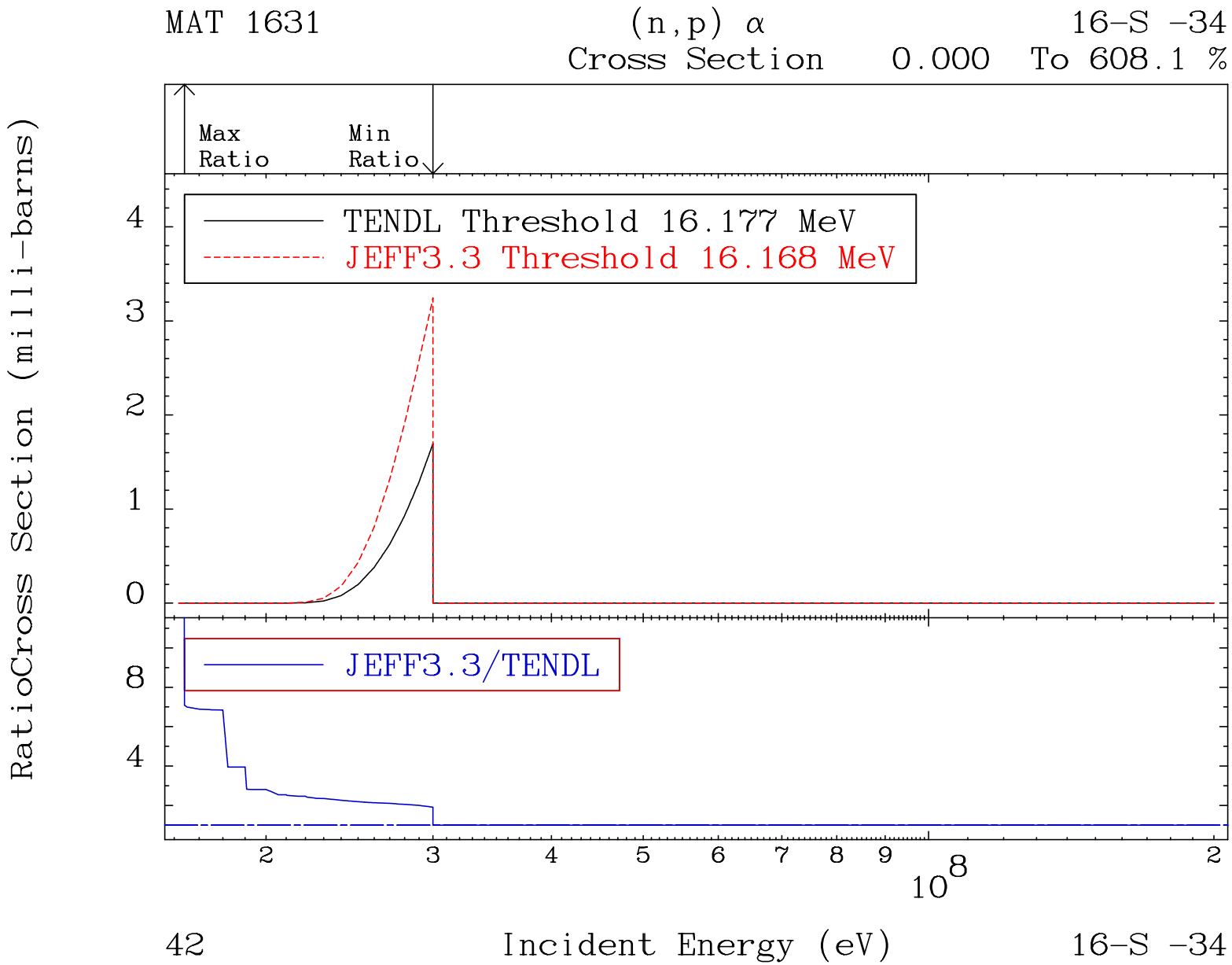

MAT 1631
(n,t)
Cross Section
16-S -34
-100.0 To 35.19 %
Max
Ratio
TENDL Threshold 12.877 MeV
JEFF3.3 Threshold 12.877 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
37
Incident Energy (eV)
16-S -34

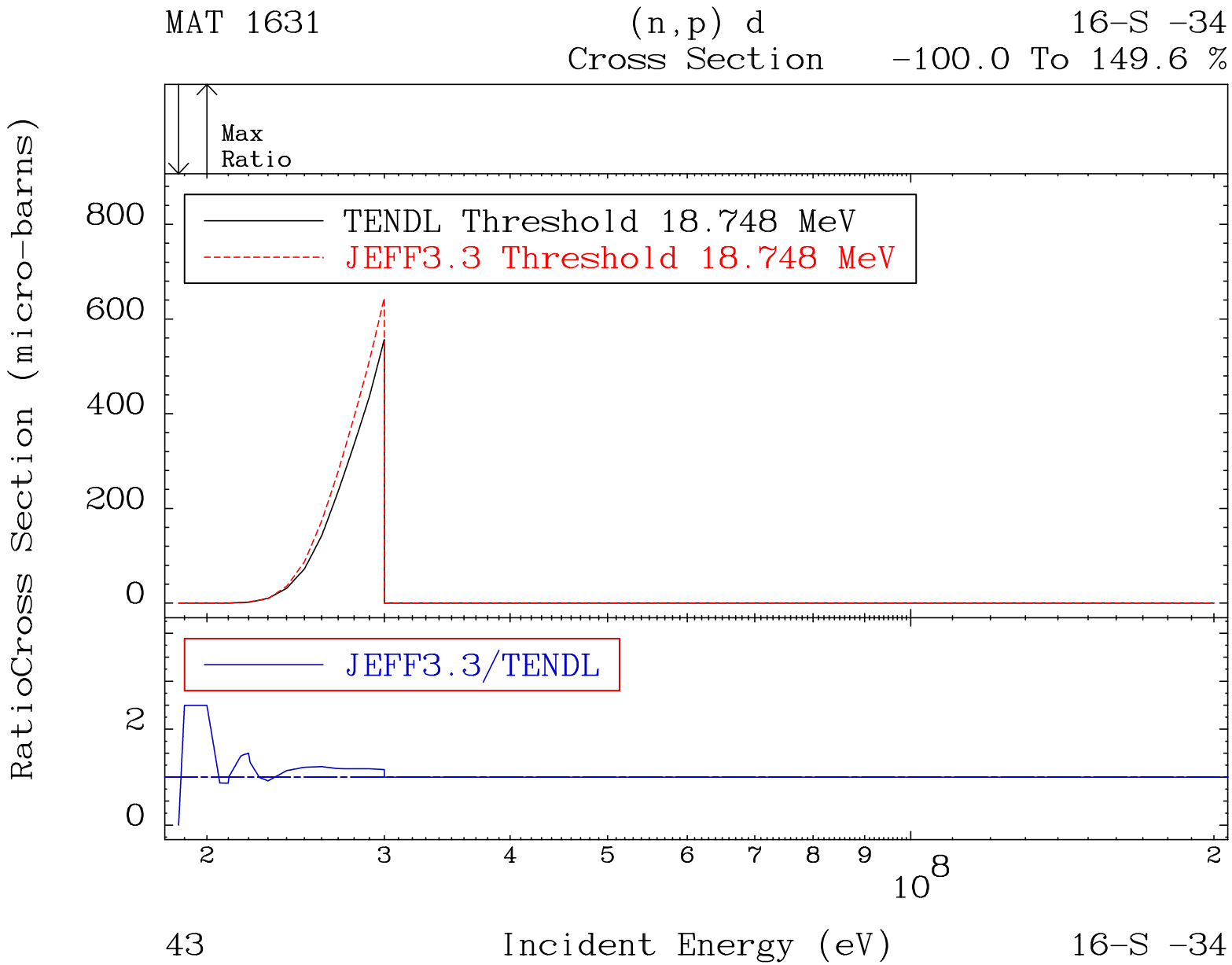

MAT 1631
(n,He-3)
16-S -34
Cross Section
-100.0 To 68.78 %
Min Ratio
Max Ratio
TENDL Threshold 13.091 MeV
JEFF3.3 Threshold 13.091 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
0.0
1.0
2.0
2
3
4
5
6
7
8
9
2
10^8
38
Incident Energy (eV)
16-S -34

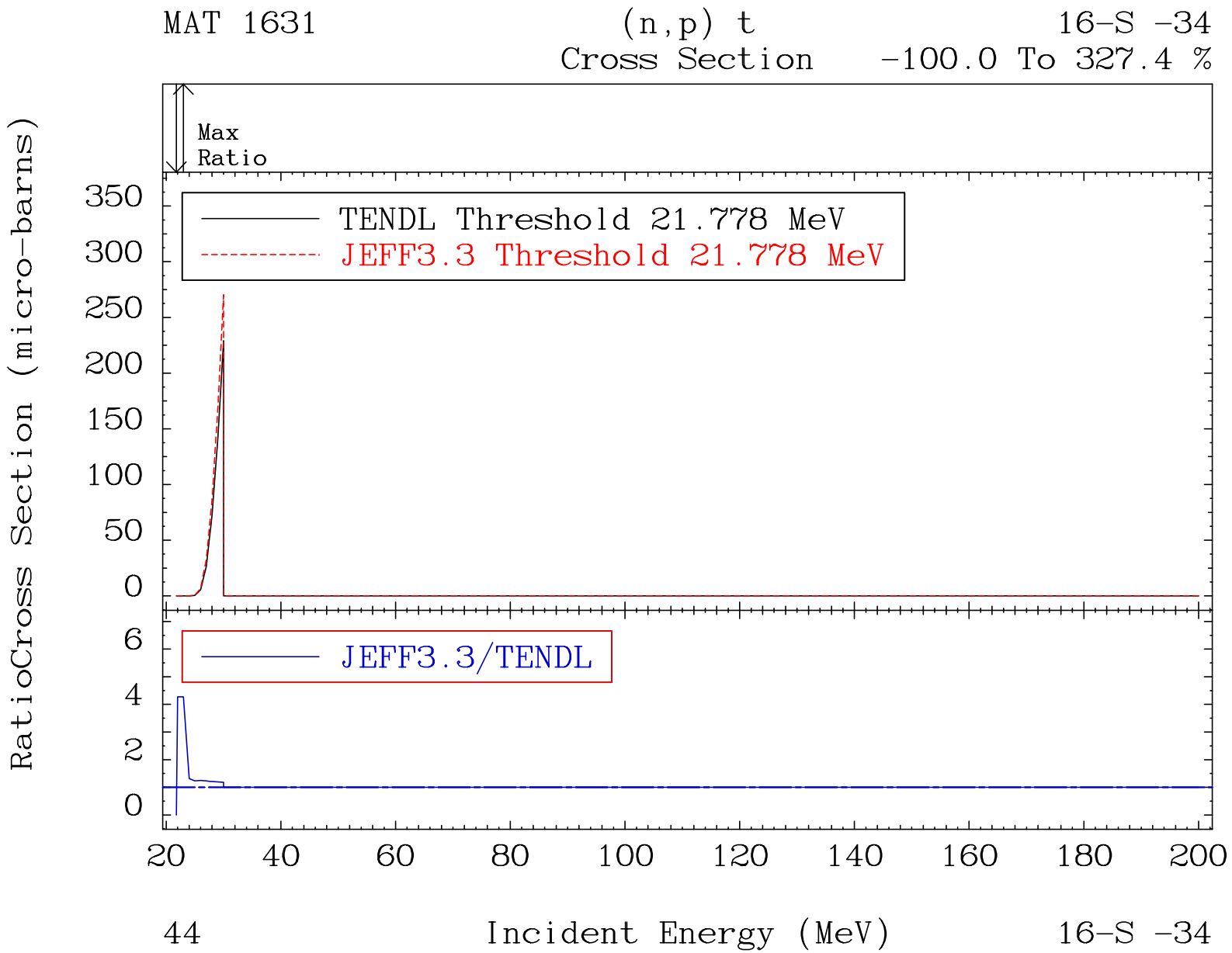

MAT 1631
(n,α)
16-S -34
Cross Section
-100.0 To 214.5 %
Max
Ratio
TENDL Threshold 1.3759 MeV
JEFF3.3 Threshold 1.8000 MeV
150
100
50
0
JEFF3.3/TENDL
4
2
0
RatioCross Section (milli-barns)
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
39
Incident Energy (eV)
16-S -34

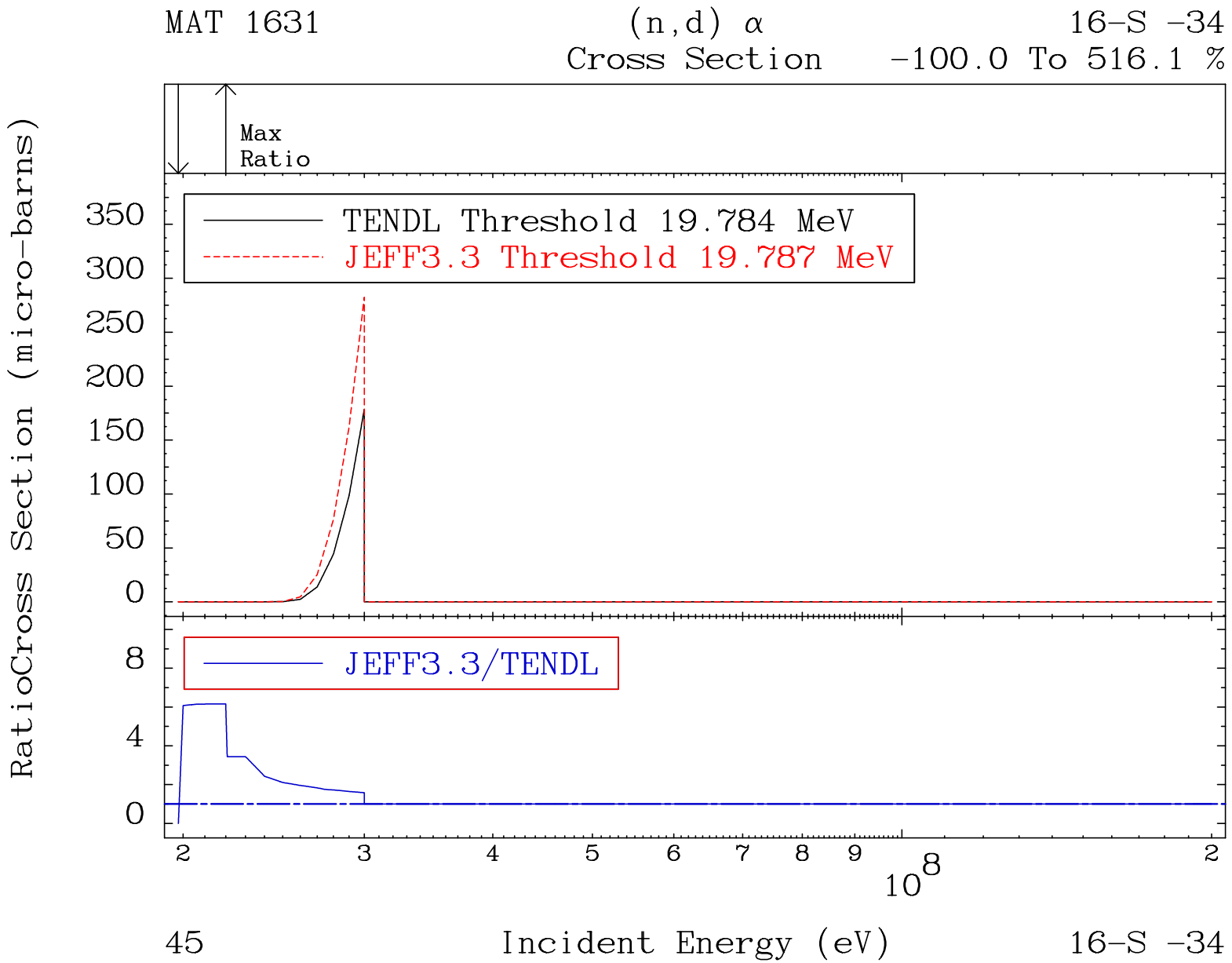

MAT 1631
(n,2α)
16-S -34
Cross Section 0.000 To 808.8 %
Max
Ratio
TENDL Threshold 12.484 MeV
JEFF3.3 Threshold 12.484 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
12
8
4
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
16-S -34

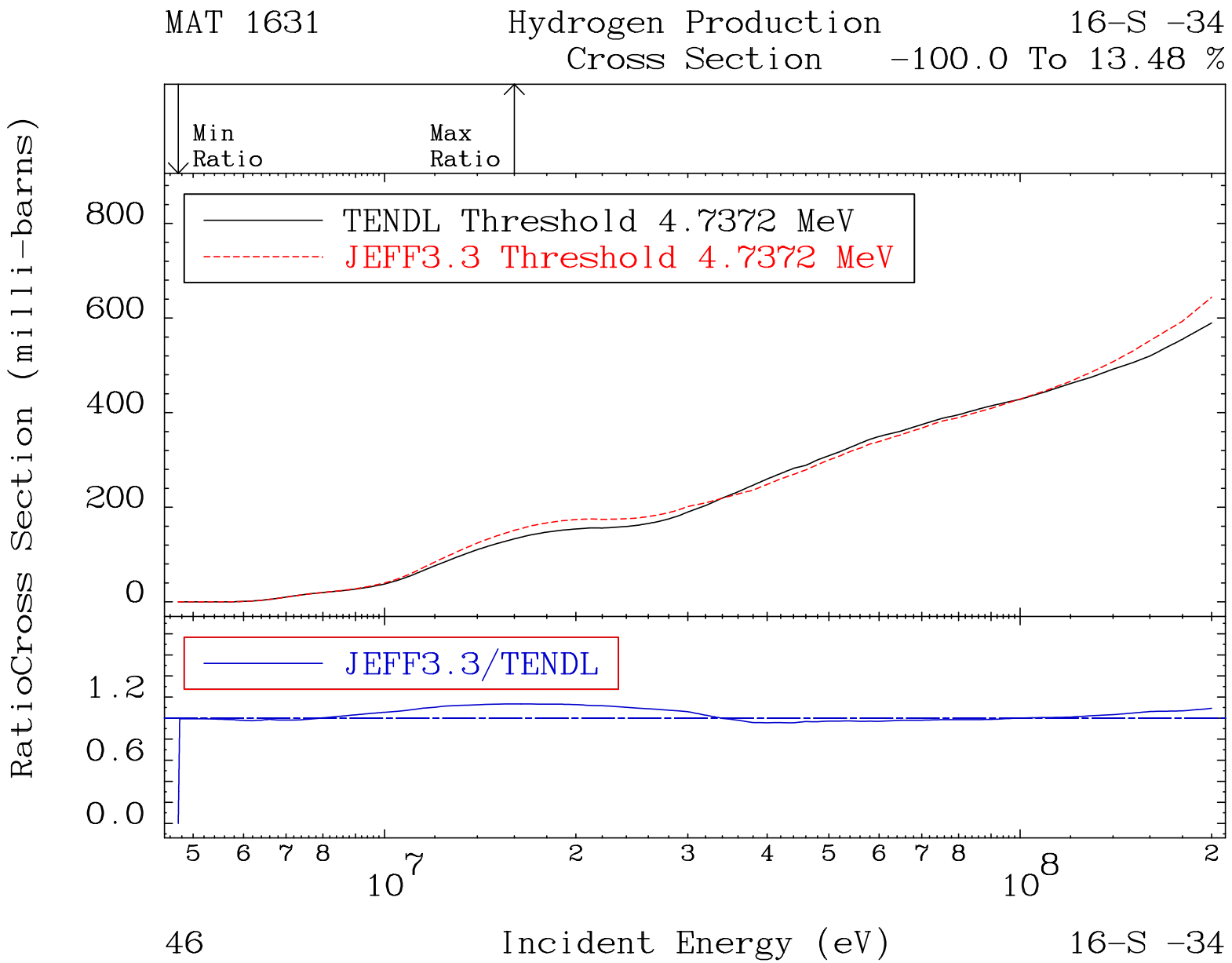

MAT 1631
(n,2p)
16-S -34
Cross Section
-100.0 To 1741. %
Max
Ratio
TENDL Threshold 16.397 MeV
JEFF3.3 Threshold 16.397 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
20
10
0
2
3
4
5
6
7
8
9
2
10^8
41
Incident Energy (eV)
16-S -34

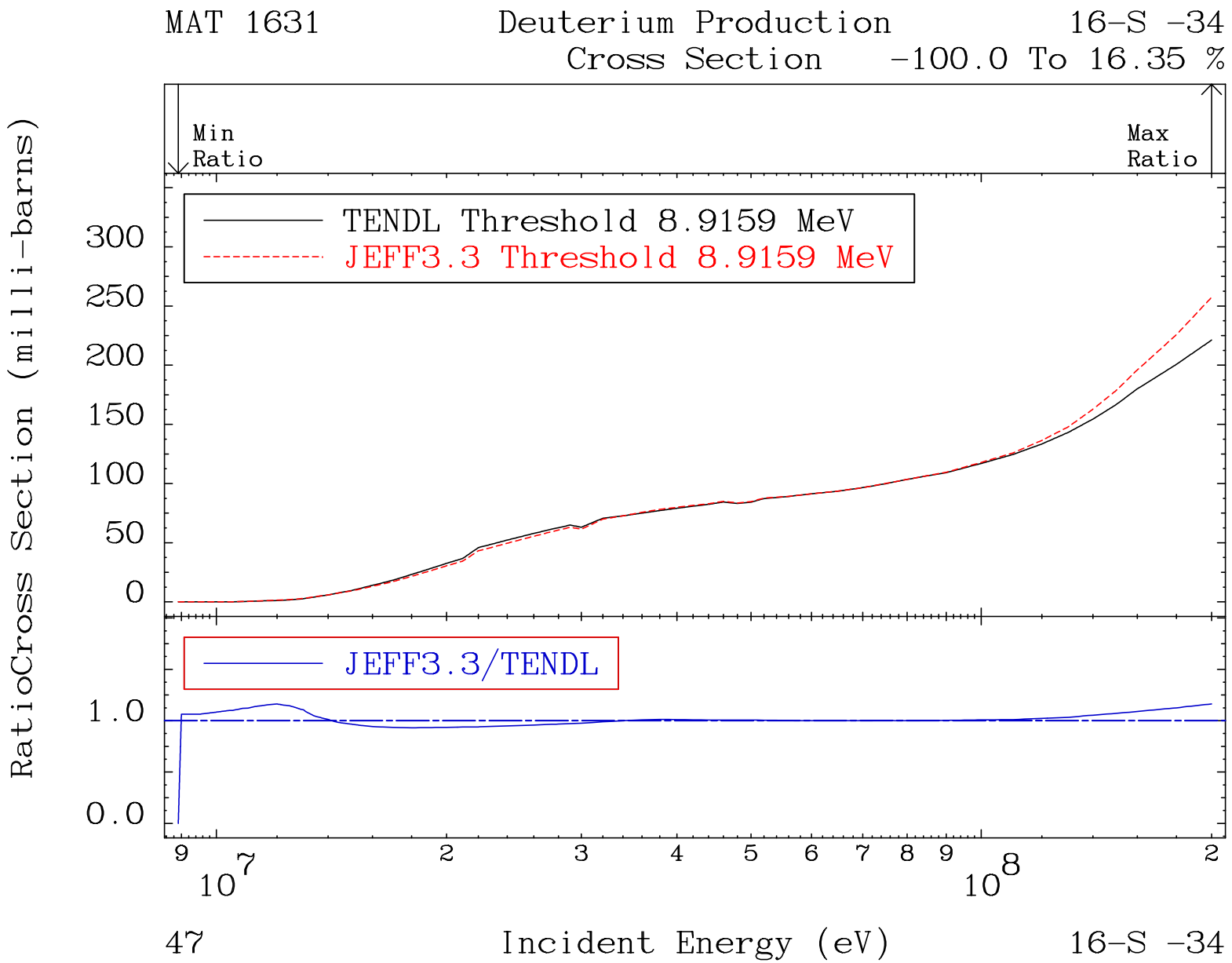

MAT 1631
(n,p) α
16-S -34
Cross Section 0.000 To 608.1 %
Max Ratio
Min Ratio
TENDL Threshold 16.177 MeV
JEFF3.3 Threshold 16.168 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
42
16-S -34

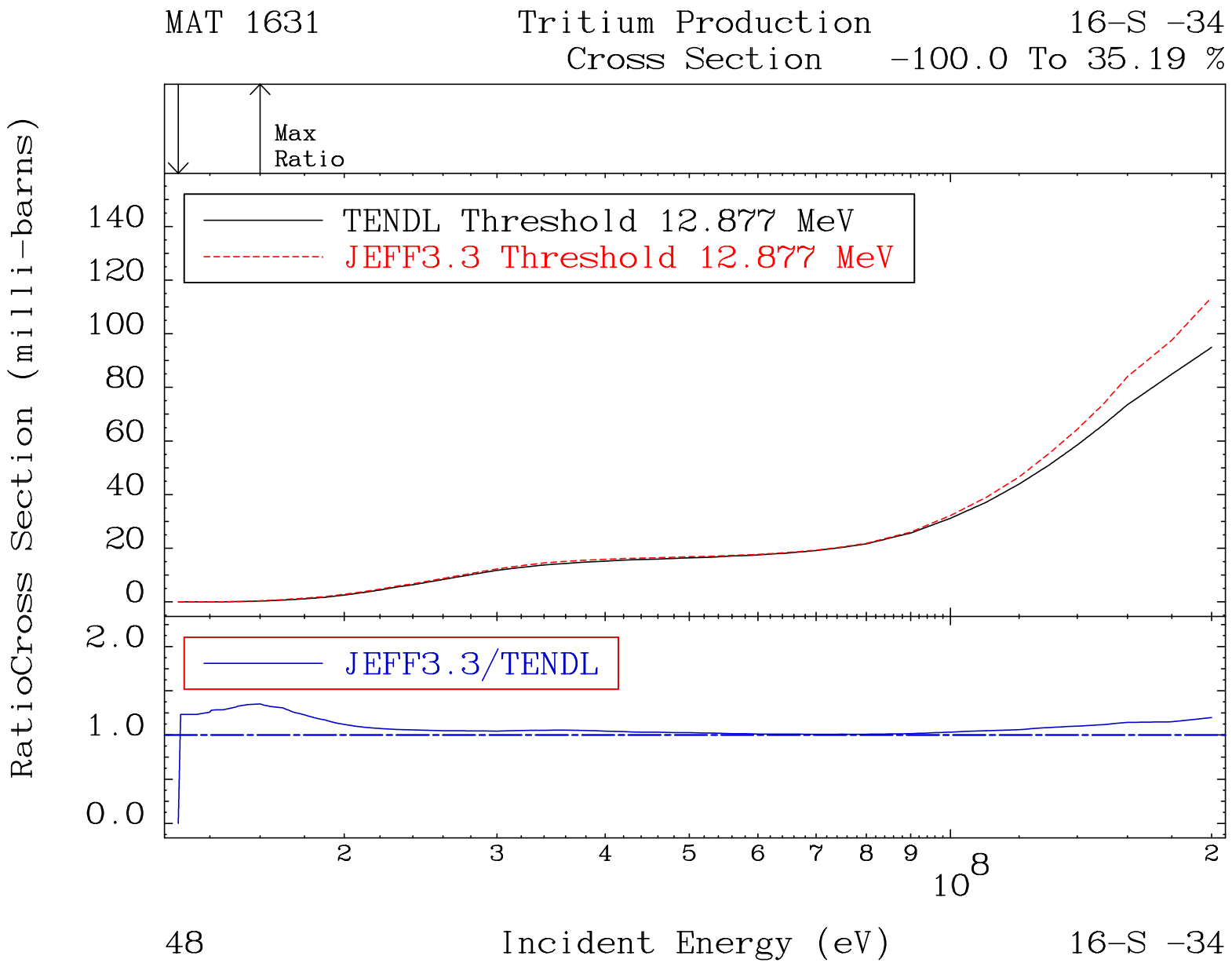

MAT 1631
(n,p) d
Cross Section
16-S -34
-100.0 To 149.6 %
Max
Ratio
TENDL Threshold 18.748 MeV
JEFF3.3 Threshold 18.748 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
2
0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
16-S -34

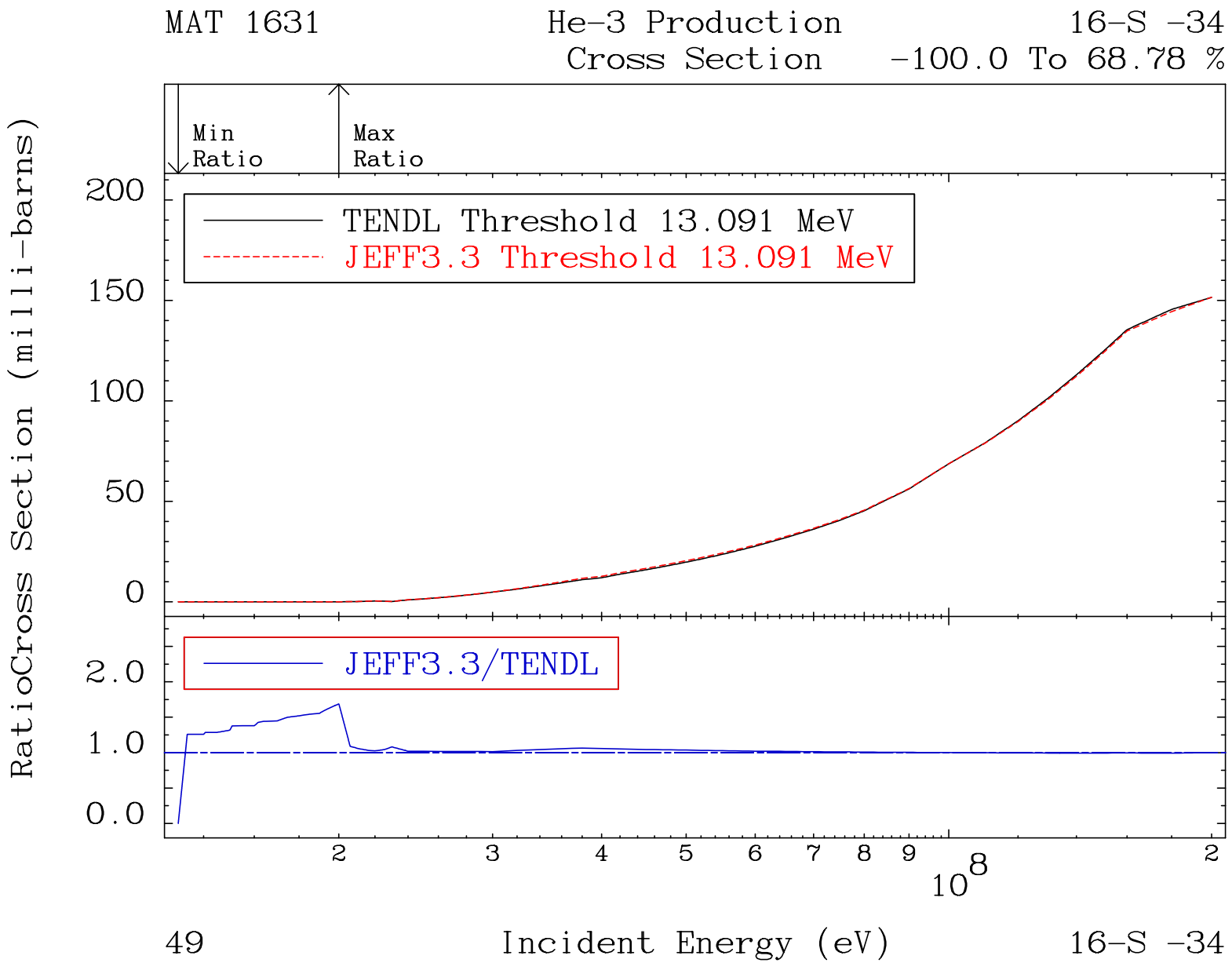

MAT 1631
(n,p) t
Cross Section
16-S -34
-100.0 To 327.4 %
Max
Ratio
TENDL Threshold 21.778 MeV
JEFF3.3 Threshold 21.778 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
350
300
250
200
150
100
50
0
6
4
2
0
20
40
60
80
100
120
140
160
180
200
44
Incident Energy (MeV)
16-S -34

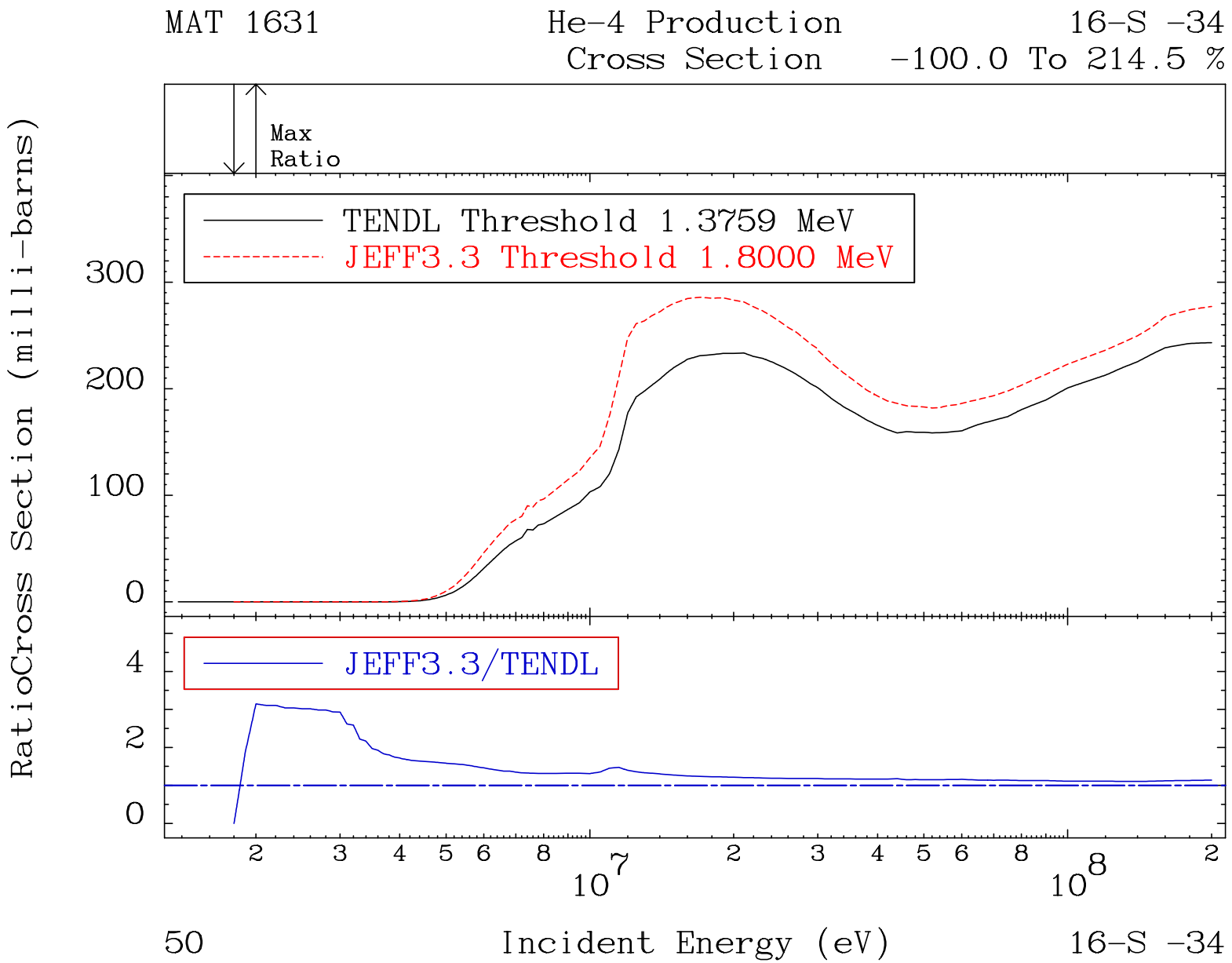

MAT 1631
(n,d) α
Cross Section
16-S -34
-100.0 To 516.1 %
Max
Ratio
TENDL Threshold 19.784 MeV
JEFF3.3 Threshold 19.787 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
350
300
250
200
150
100
50
0
8
4
0
2
3
4
5
6
7
8
9
2
10^8
45
Incident Energy (eV)
16-S -34

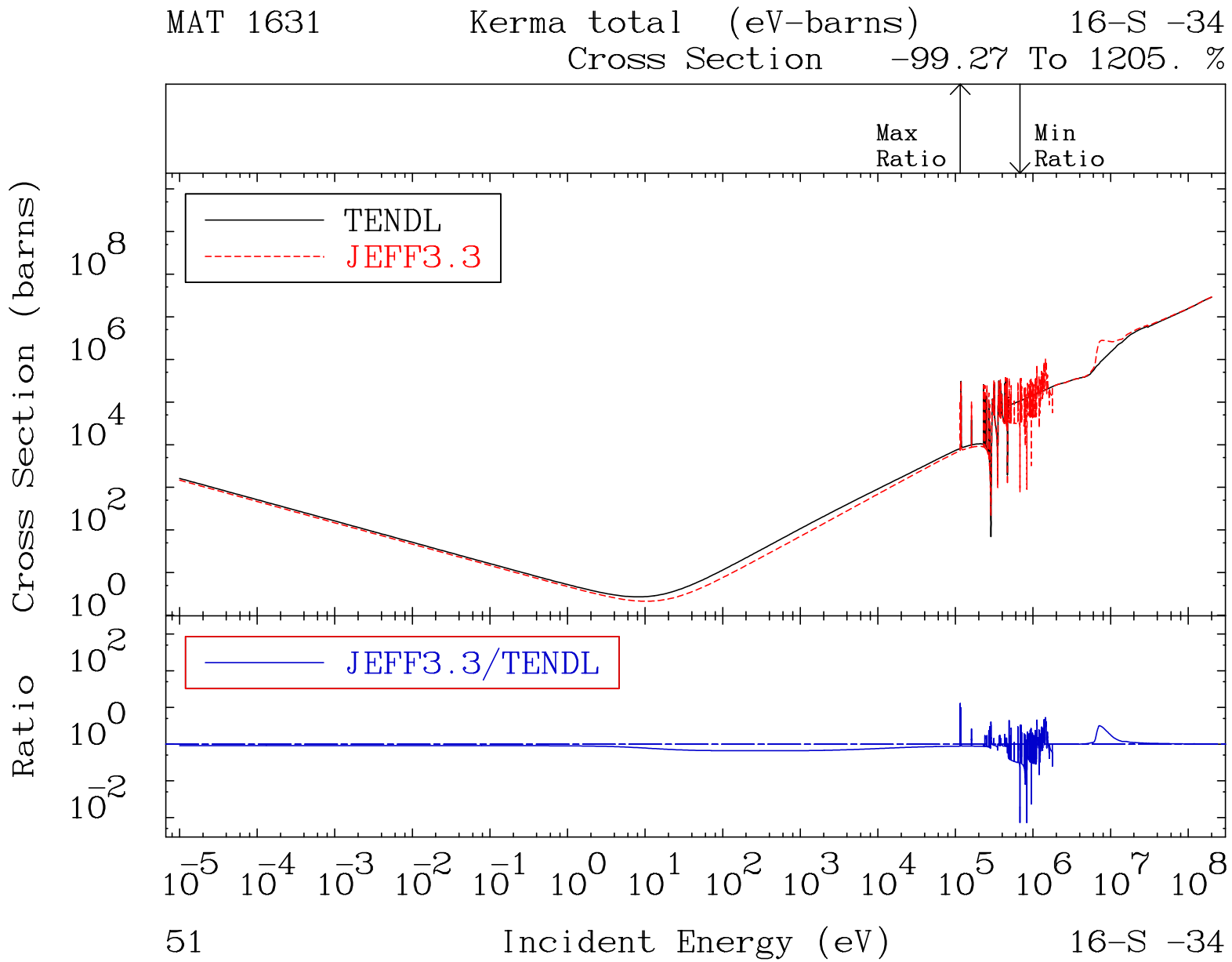

MAT 1631
Hydrogen Production
16-S -34
Cross Section
-100.0 To 13.48 %
Min Ratio
Max Ratio
TENDL Threshold 4.7372 MeV
JEFF3.3 Threshold 4.7372 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
16-S -34

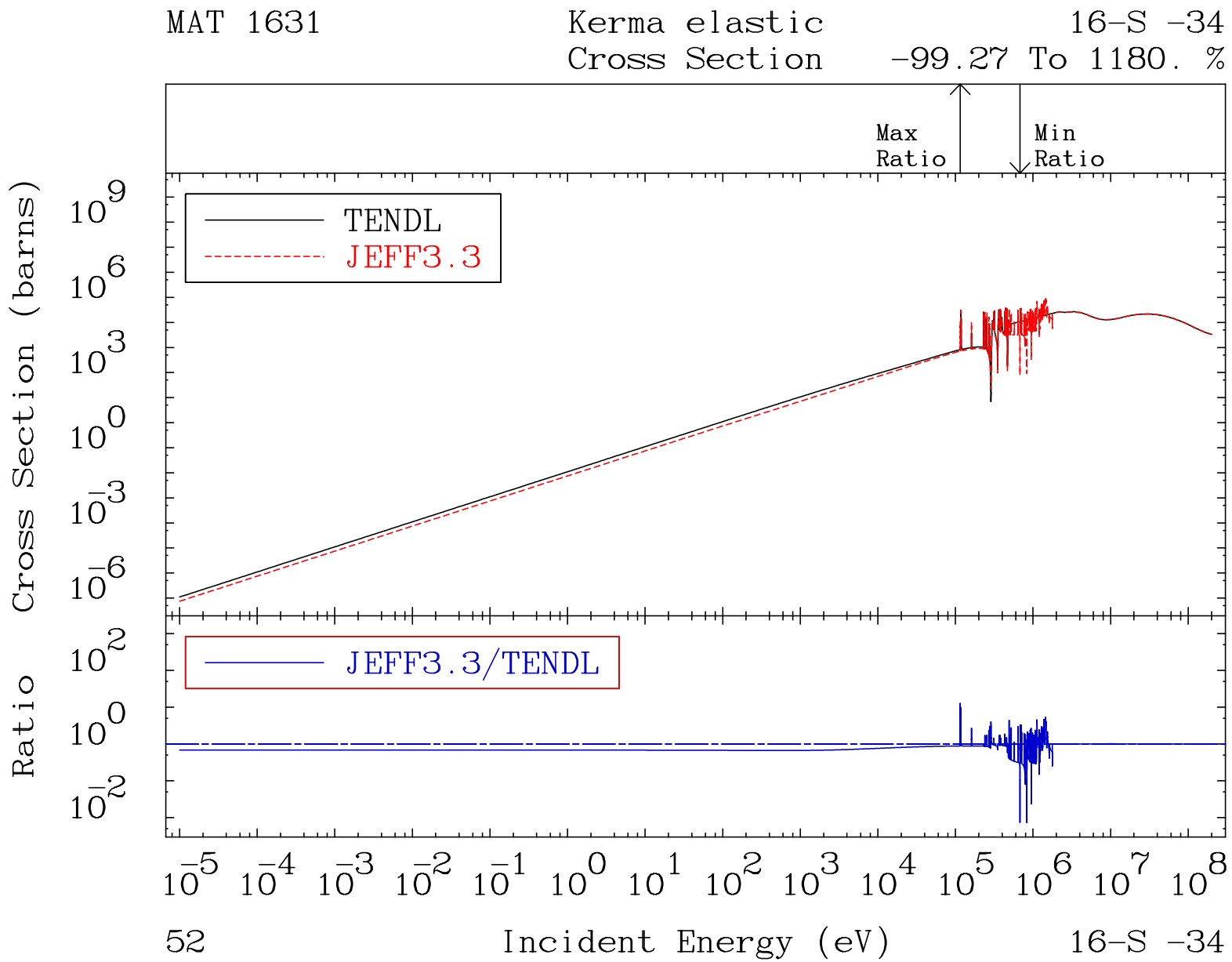

MAT 1631
Deuterium Production
16-S -34
Cross Section
-100.0 To 16.35 %
Min Ratio
Max Ratio
TENDL Threshold 8.9159 MeV
JEFF3.3 Threshold 8.9159 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
16-S -34

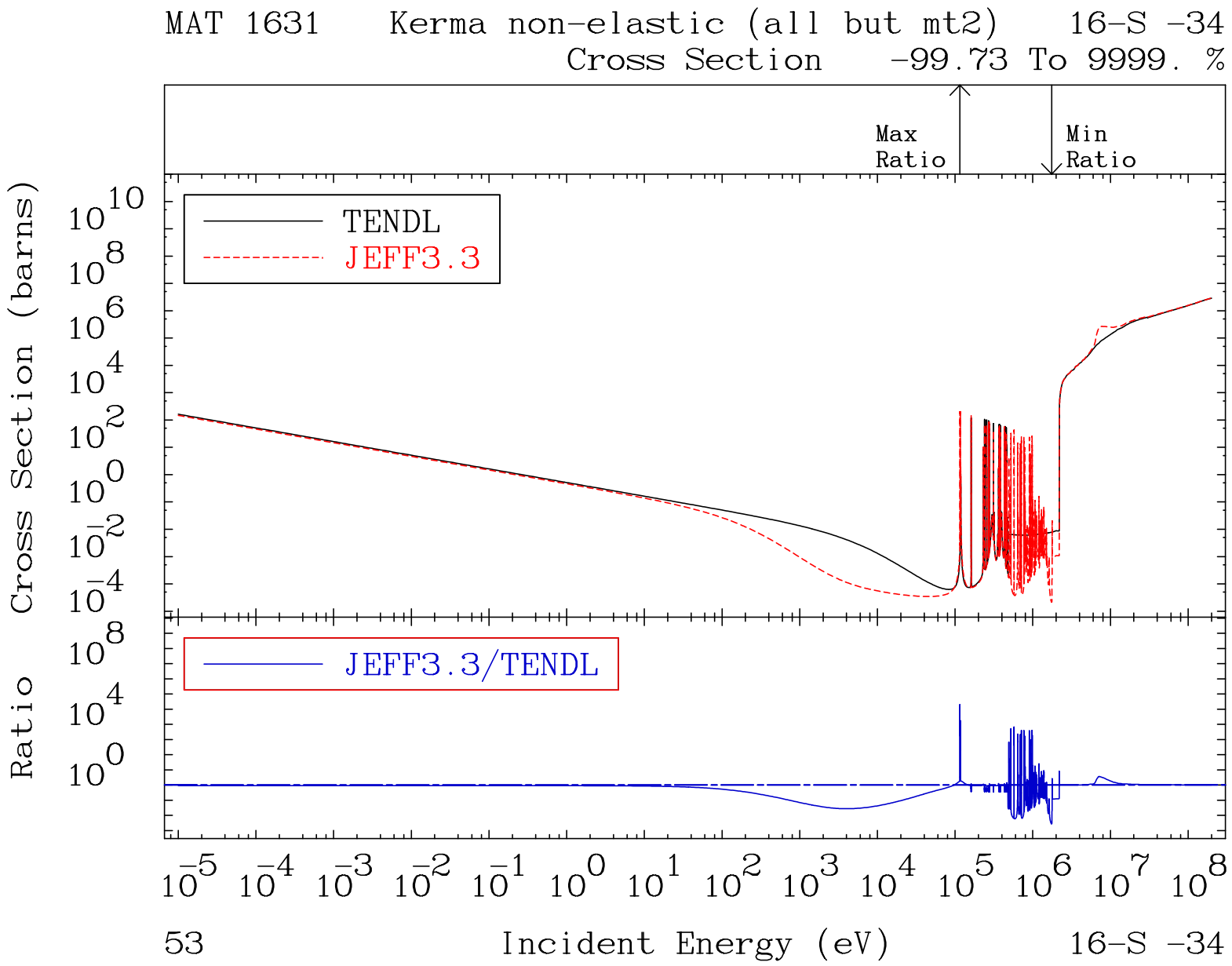

MAT 1631
Tritium Production
16-S -34
Cross Section
-100.0 To 35.19 %
Max
Ratio
TENDL Threshold 12.877 MeV
JEFF3.3 Threshold 12.877 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
16-S -34

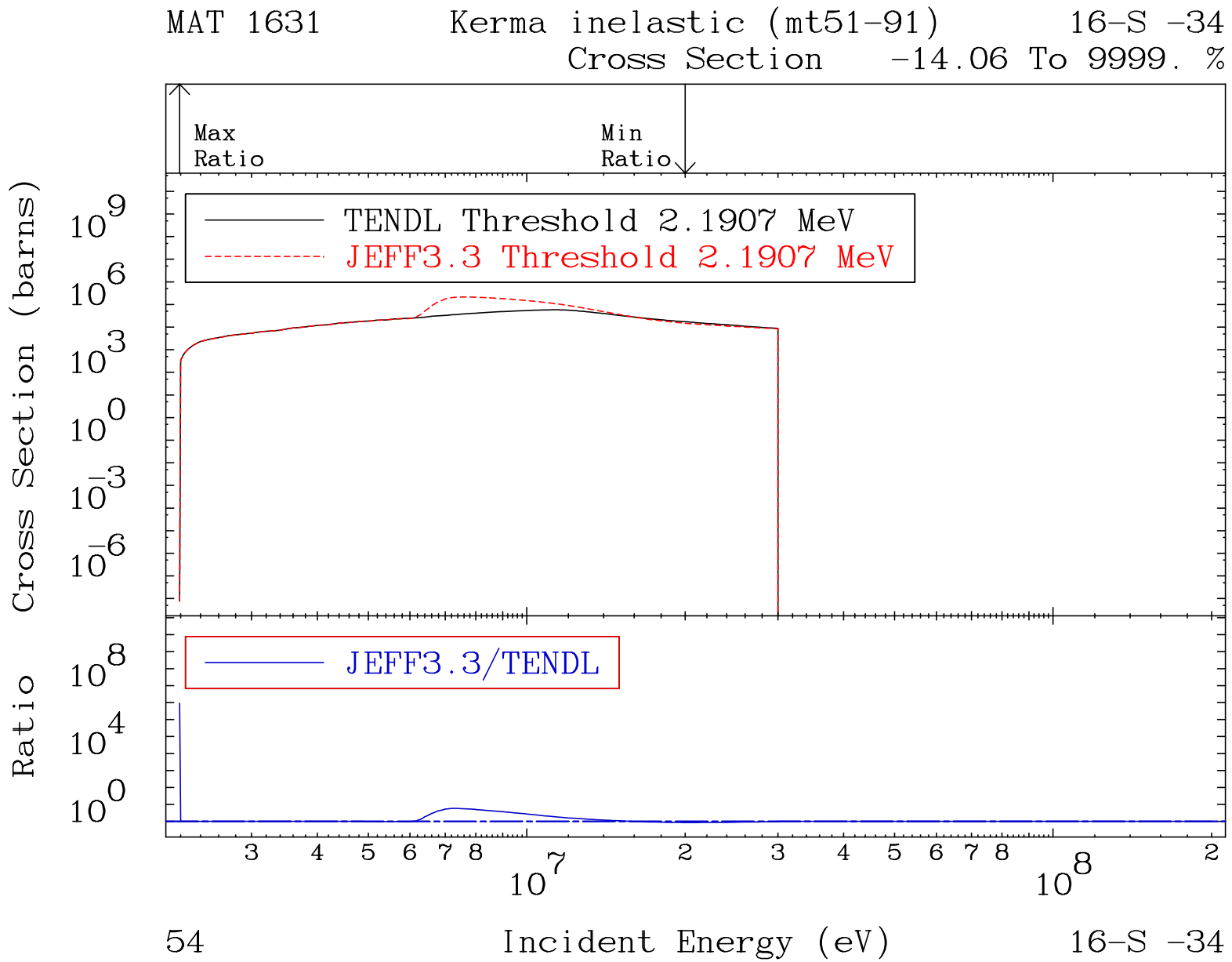

MAT 1631
He-3 Production
Cross Section
16-S -34
-100.0 To 68.78 %
Min Ratio
Max Ratio
TENDL Threshold 13.091 MeV
JEFF3.3 Threshold 13.091 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
16-S -34

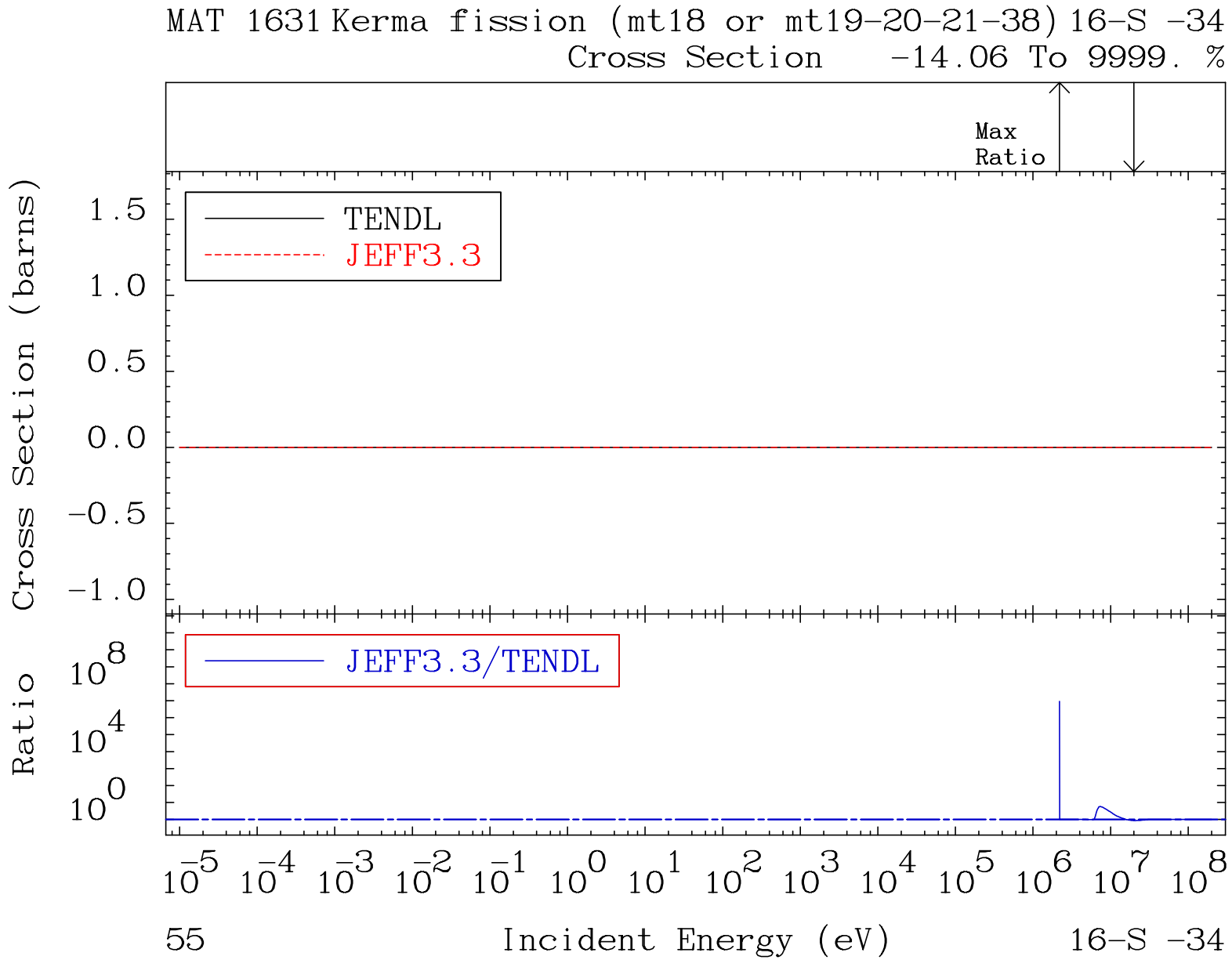

MAT 1631
He-4 Production
Cross Section
16-S -34
-100.0 To 214.5 %
Max
Ratio
TENDL Threshold 1.3759 MeV
JEFF3.3 Threshold 1.8000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
200
100
0
4
2
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
50
Incident Energy (eV)
16-S -34

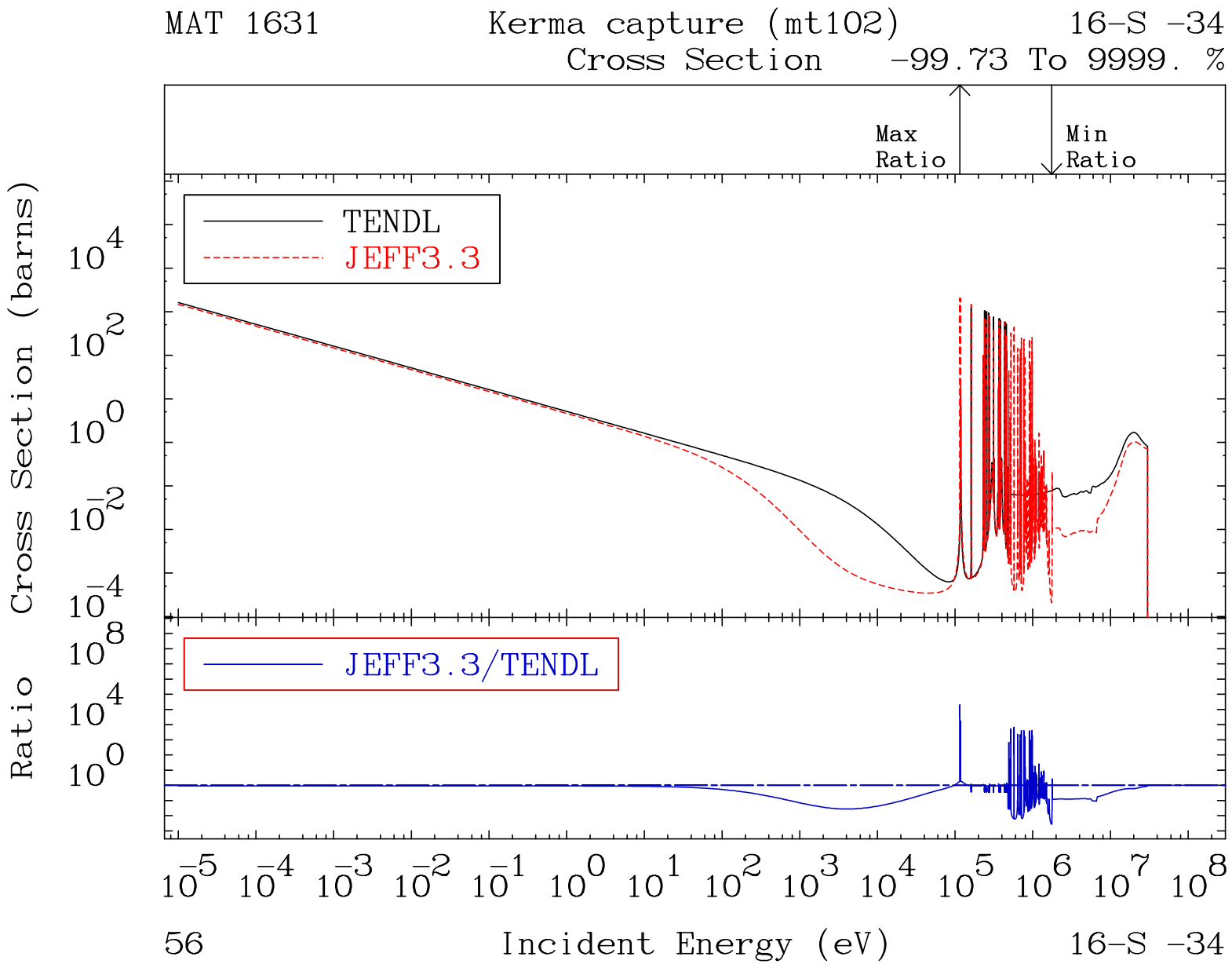

MAT 1631
Kerma total (eV-barns)
16-S -34
Cross Section -99.27 To 1205. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
16-S -34

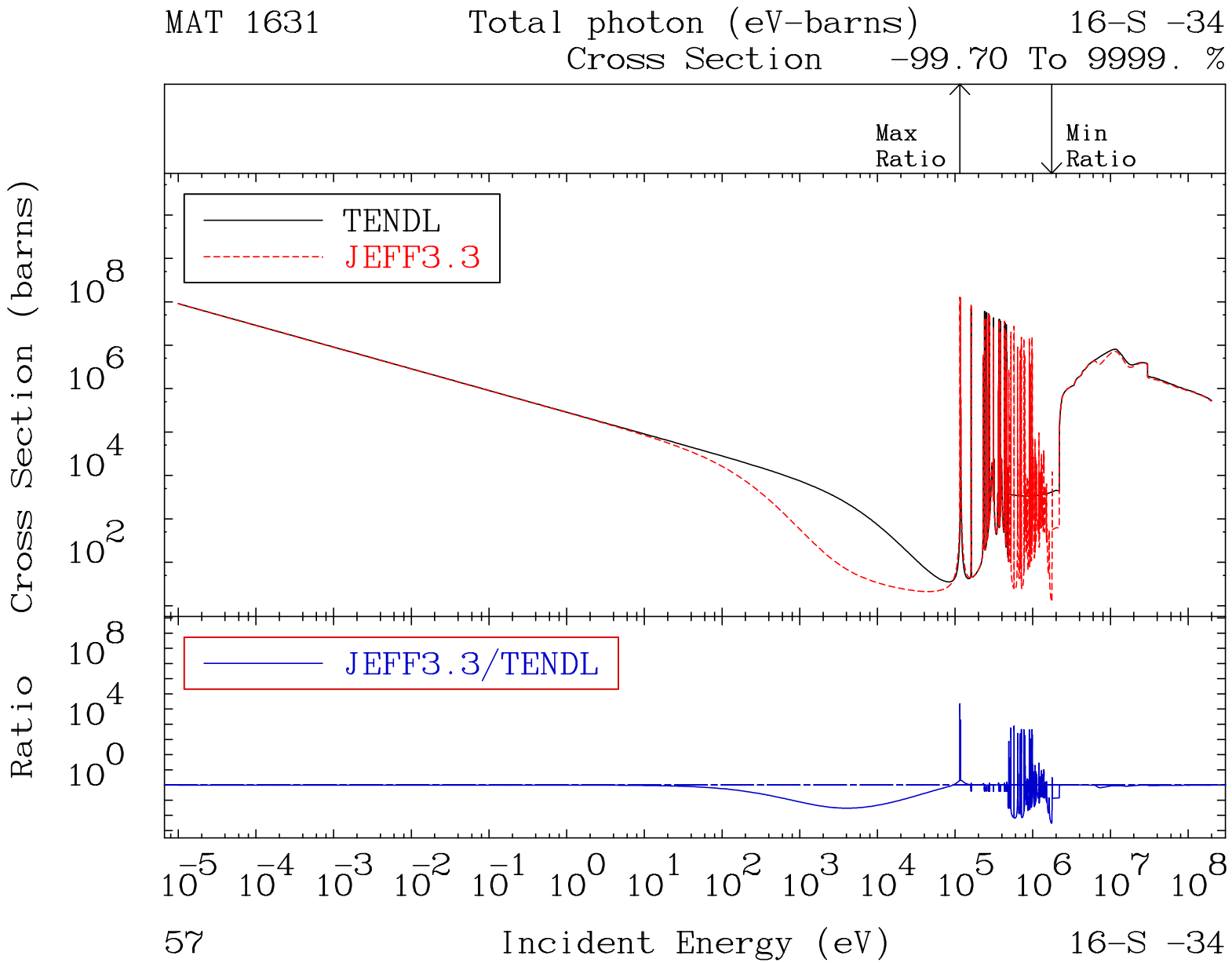

MAT 1631
Kerma elastic
Cross Section
16-S -34
-99.27 To 1180. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
16-S -34

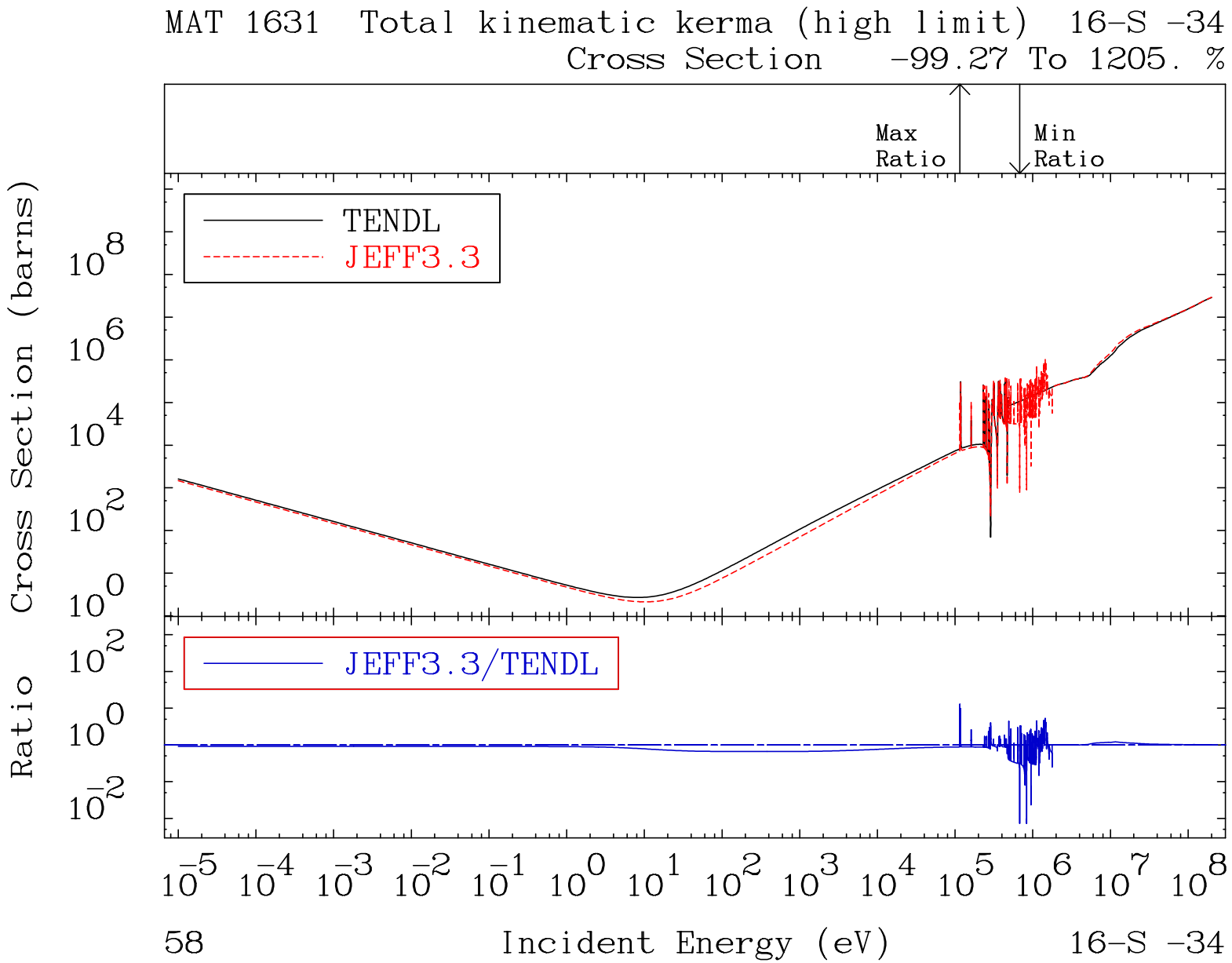

MAT 1631 Kerma non-elastic (all but mt2) 16-S -34
Cross Section -99.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
16-S -34

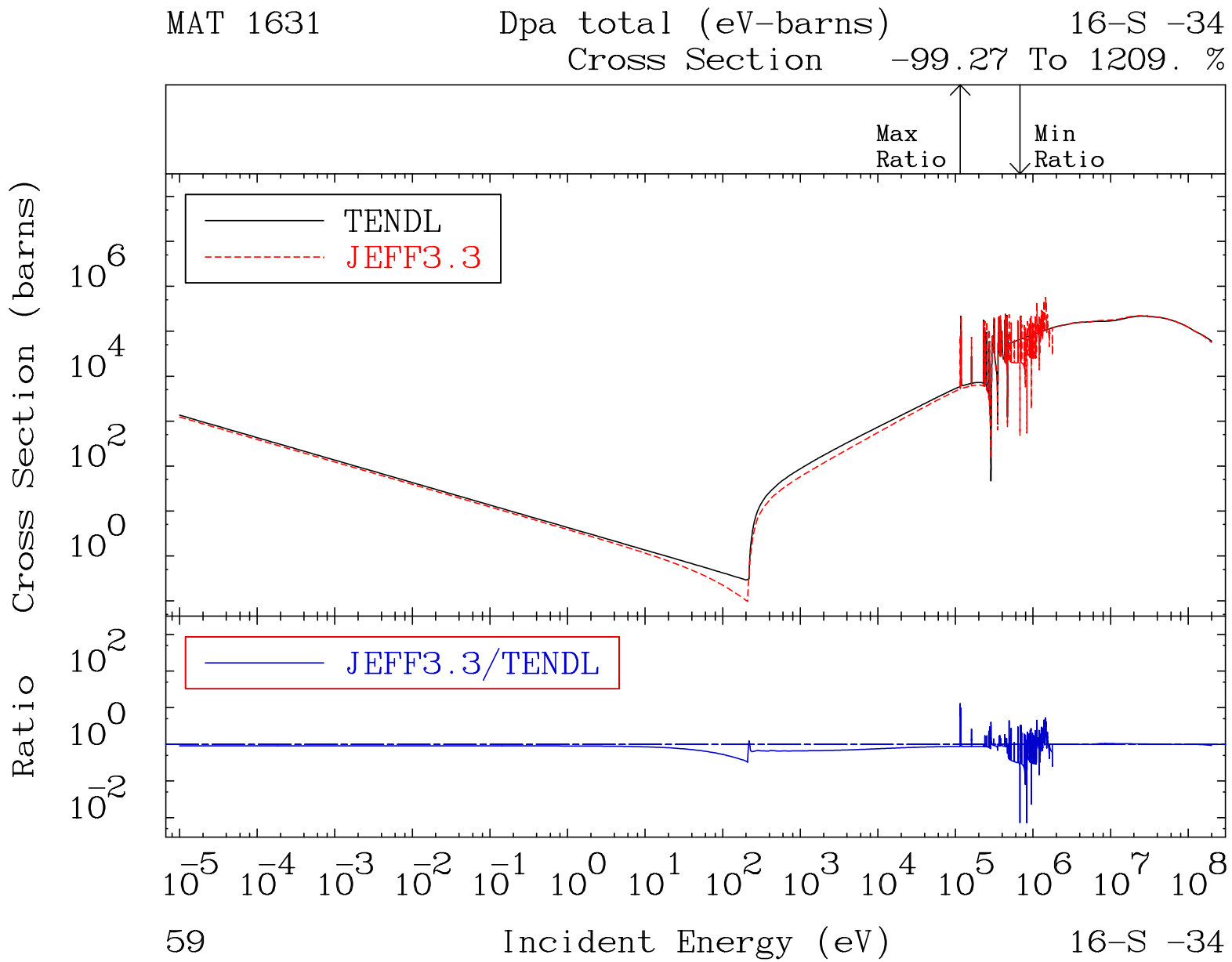

MAT 1631
Kerma inelastic (mt51-91)
16-S -34
Cross Section -14.06 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1907 MeV
JEFF3.3 Threshold 2.1907 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
16-S -34

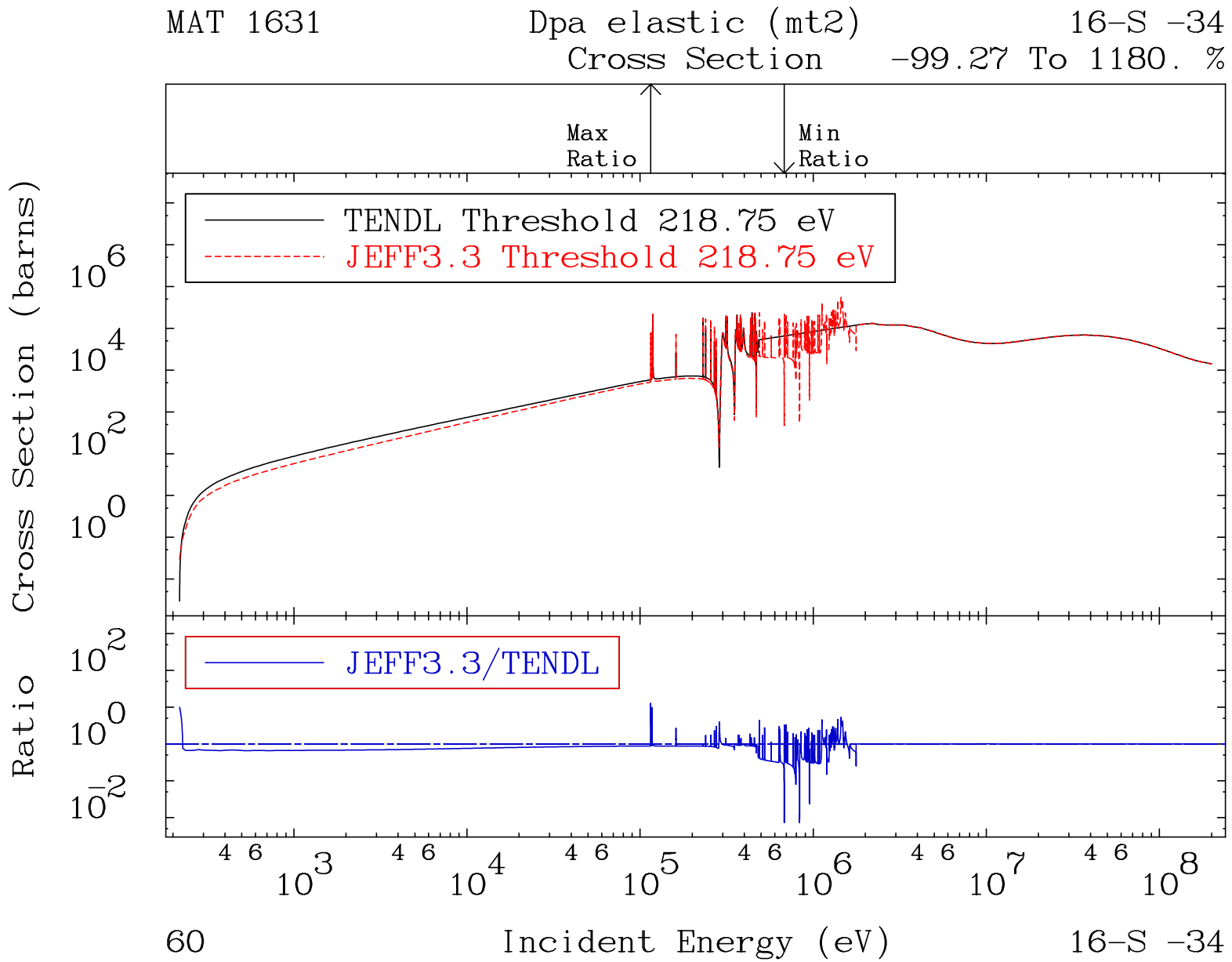

MAT 1631 Kerma fission (mt18 or mt19-20-21-38) 16-S -34
Cross Section -14.06 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^8
10^4
10^0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
55
Incident Energy (eV)
16-S -34

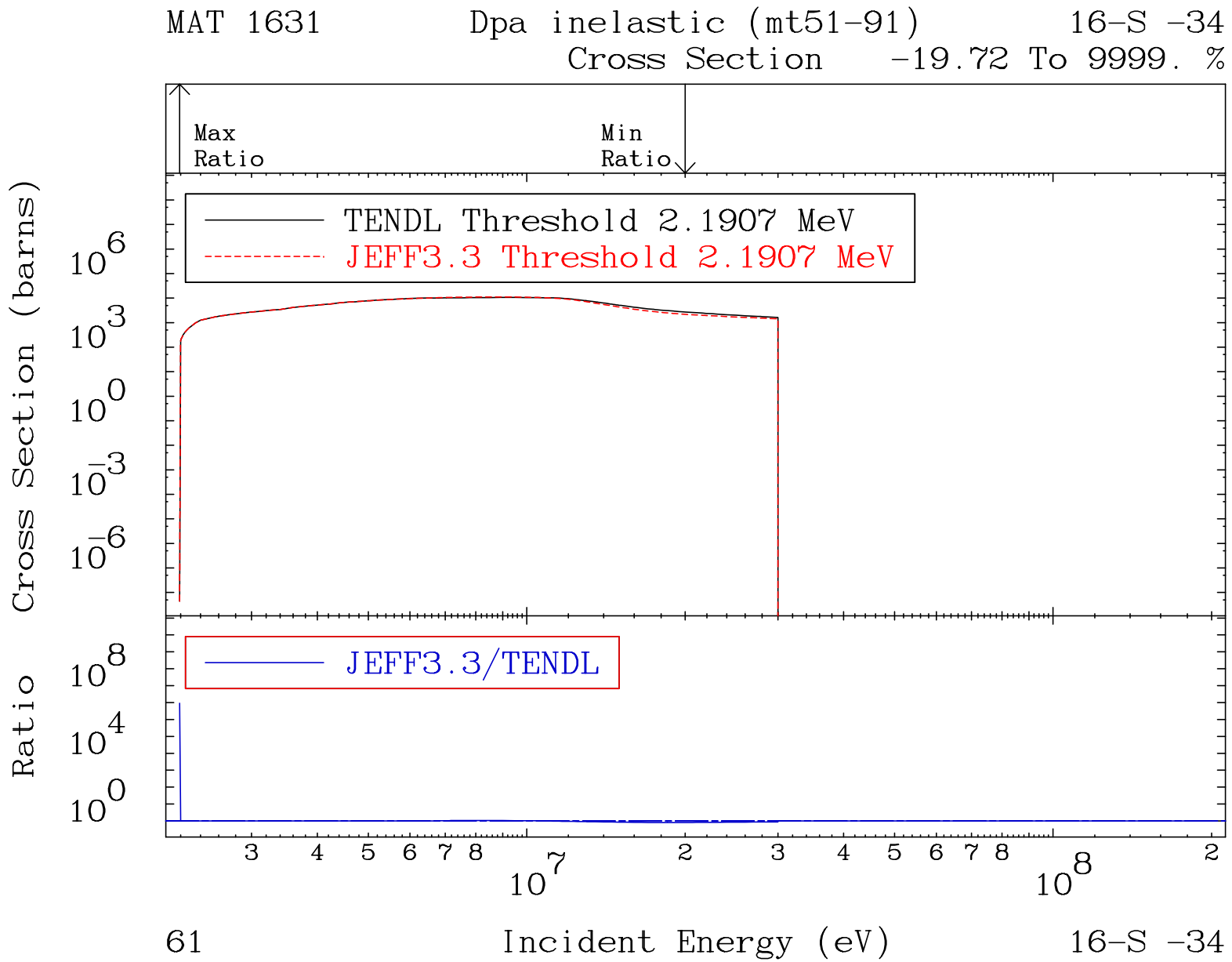

MAT 1631
Kerma capture (mt102)
16-S -34
Cross Section -99.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
16-S -34

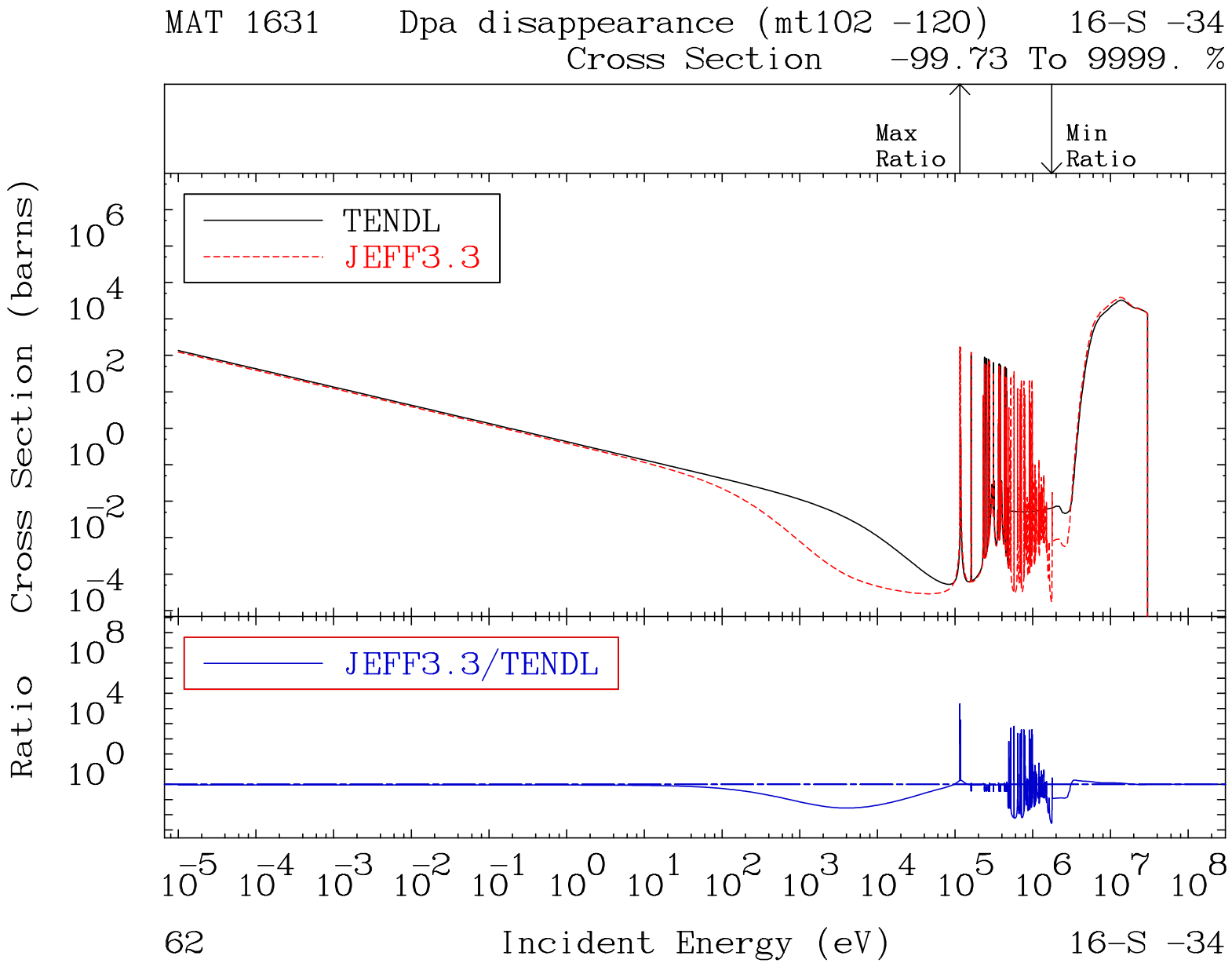

MAT 1631
Total photon (eV-barns)
16-S -34
Cross Section -99.70 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
16-S -34


MAT 1631 Total kinematic kerma (high limit) 16-S -34
Cross Section -99.27 To 1205. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
16-S -34


MAT 1631
Dpa total (eV-barns)
16-S -34
Cross Section -99.27 To 1209. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
16-S -34


MAT 1631
Dpa elastic (mt2)
Cross Section
16-S -34
-99.27 To 1180. %
Max Ratio
Min Ratio
TENDL Threshold 218.75 eV
JEFF3.3 Threshold 218.75 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
16-S -34


MAT 1631
Dpa inelastic (mt51-91)
16-S -34
Cross Section -19.72 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1907 MeV
JEFF3.3 Threshold 2.1907 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
16-S -34


MAT 1631 Dpa disappearance (mt102 -120) 16-S -34
Cross Section -99.73 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
16-S -34