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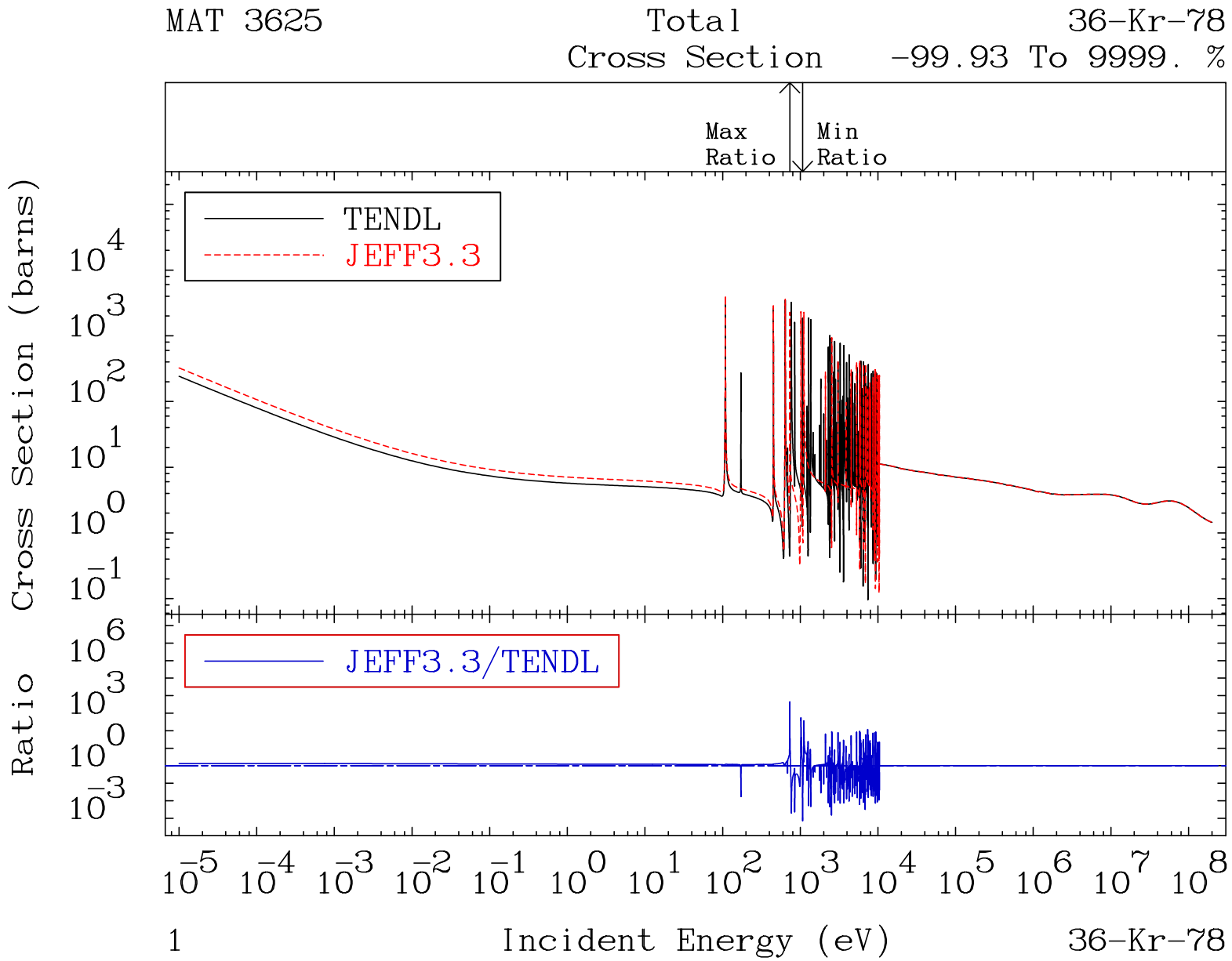
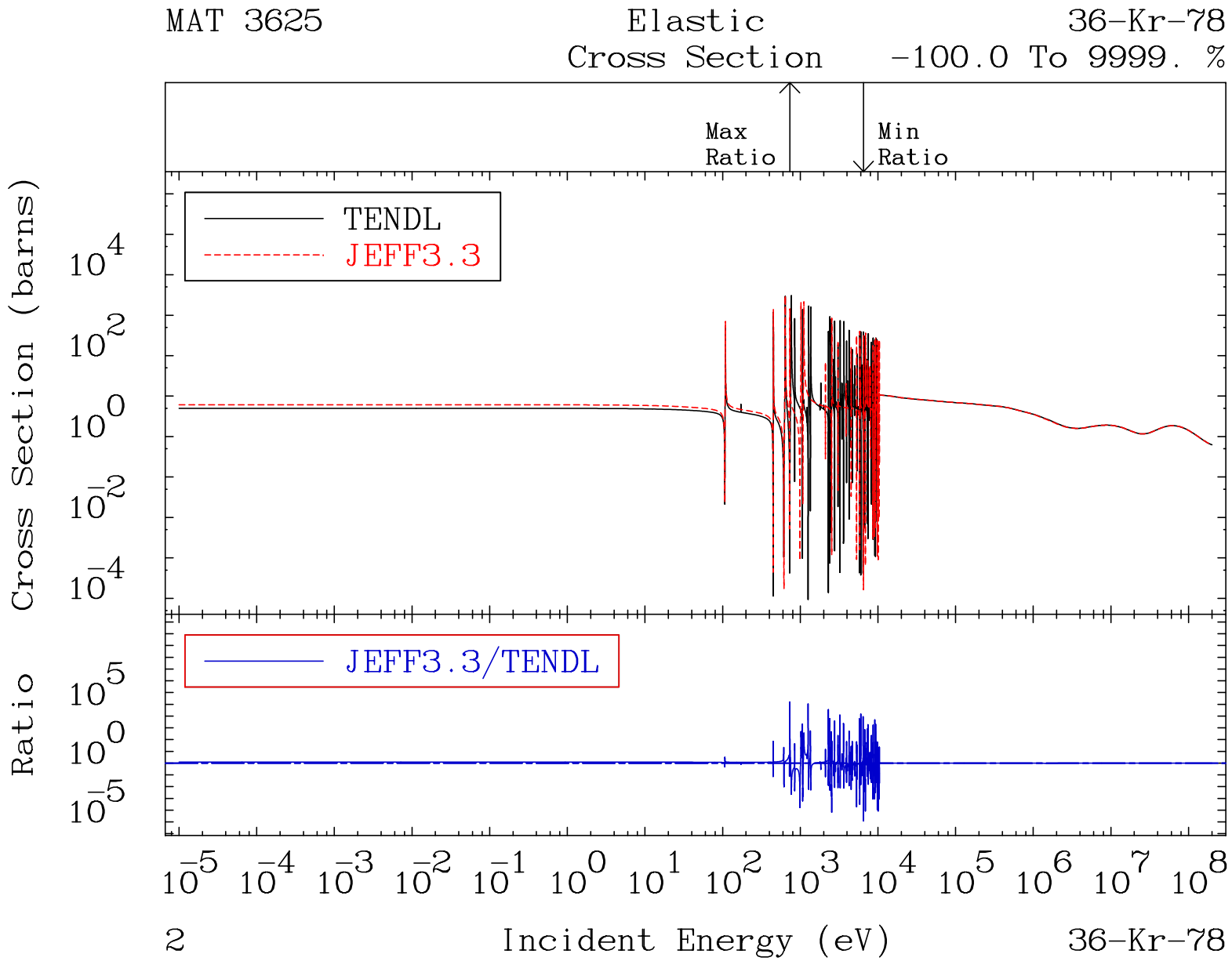
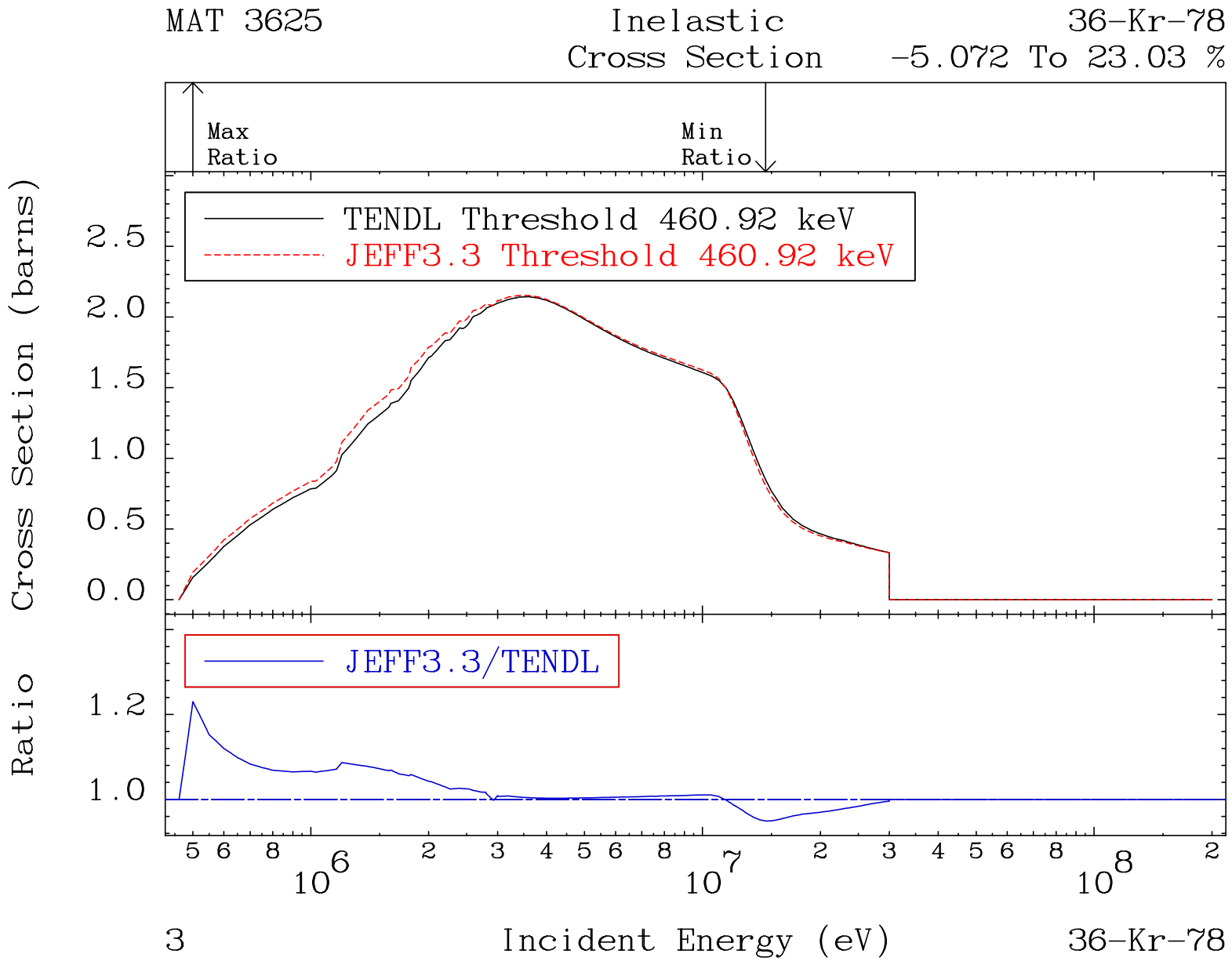
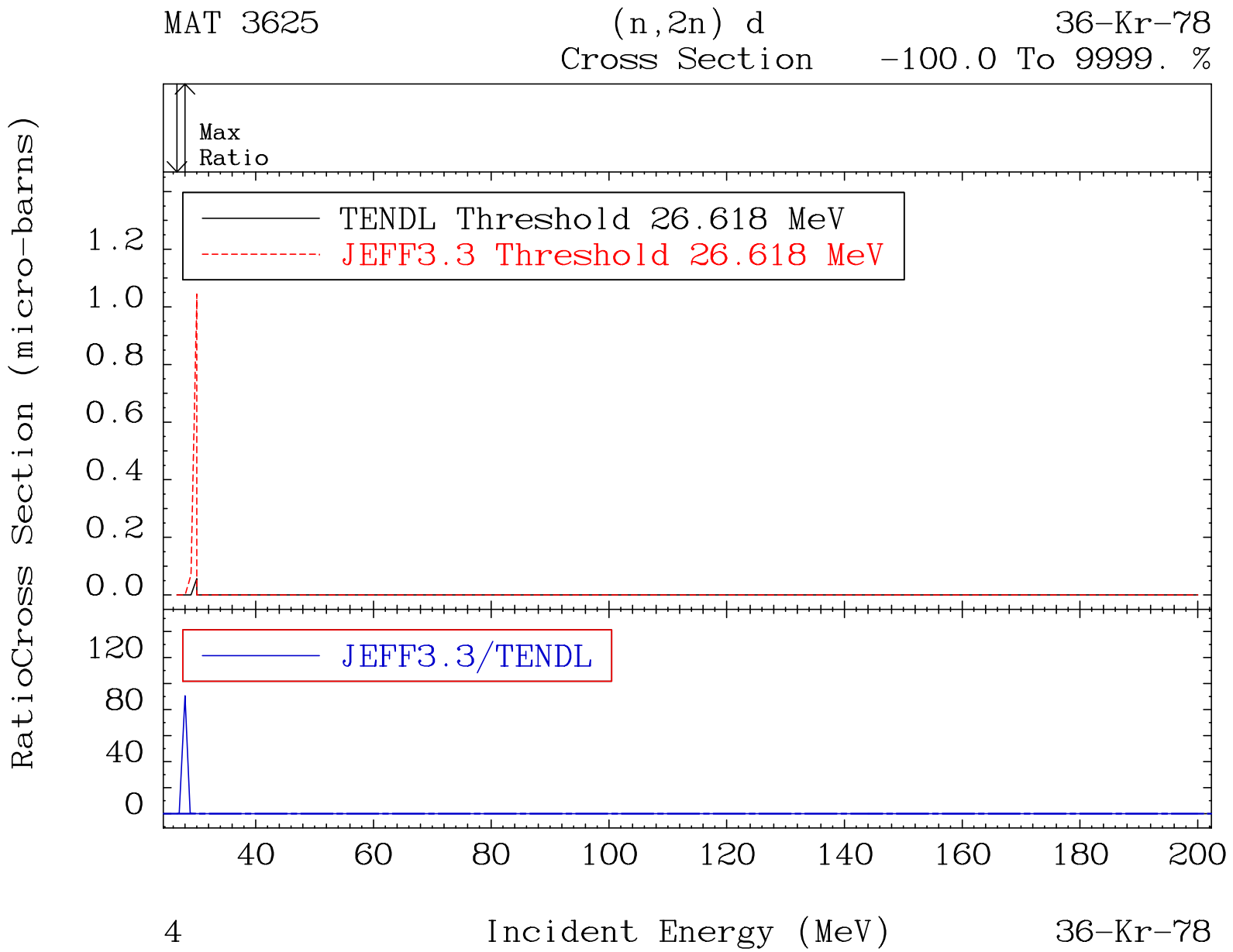
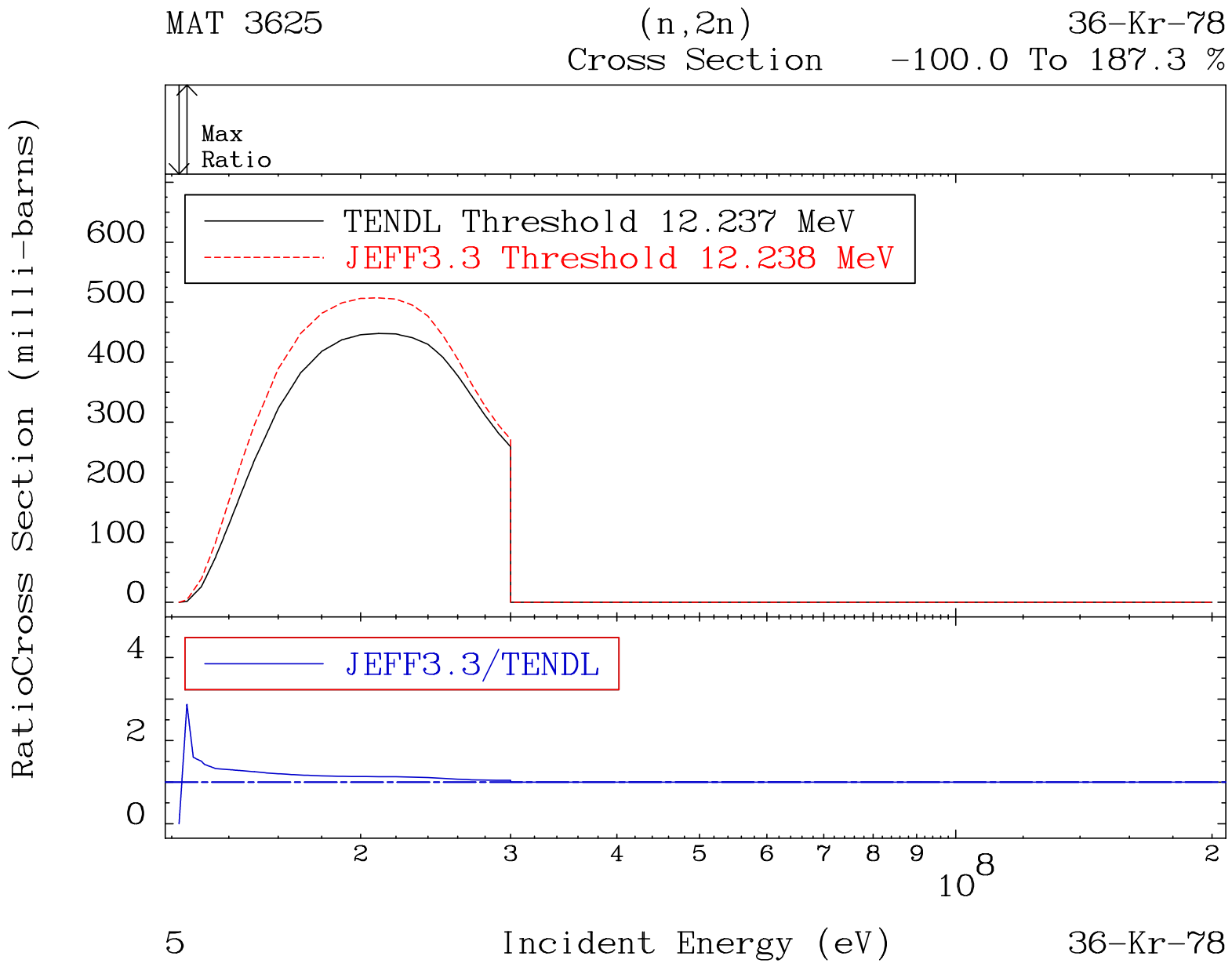
Press Mouse Button to Start

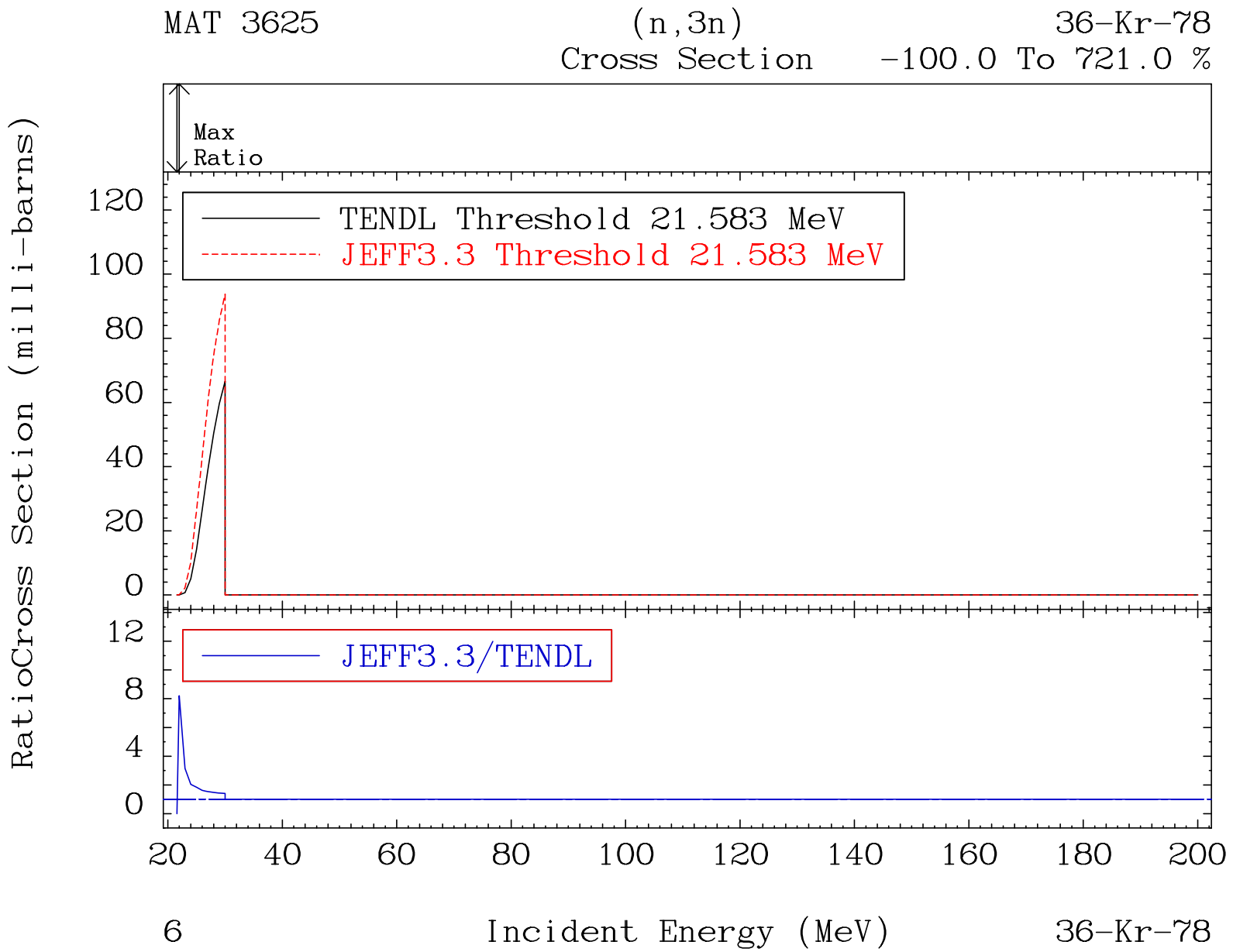

MAT 3625
Total
Cross Section
36-Kr-78
-99.93 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
36-Kr-78

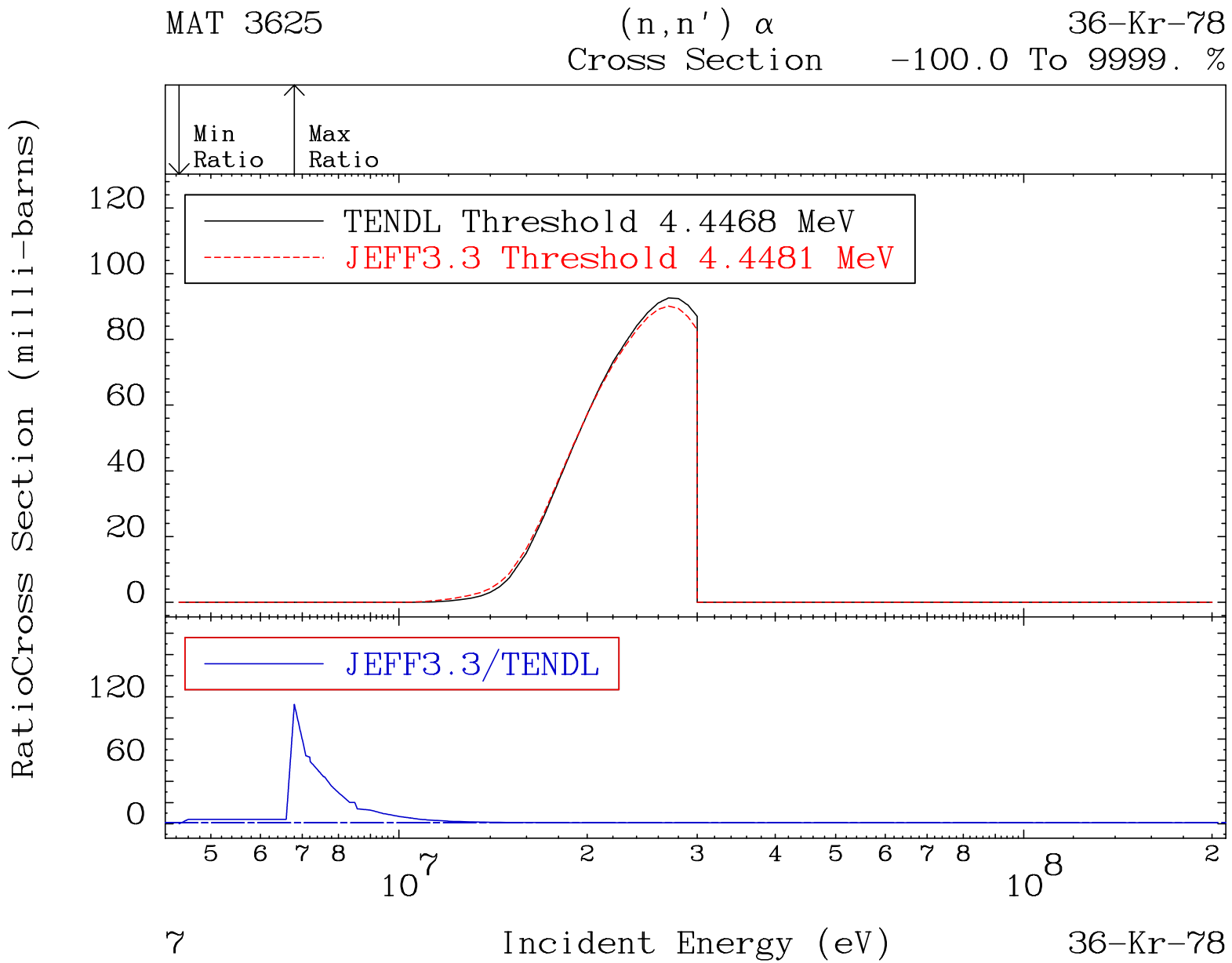

MAT 3625
Elastic
Cross Section
36-Kr-78
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
36-Kr-78

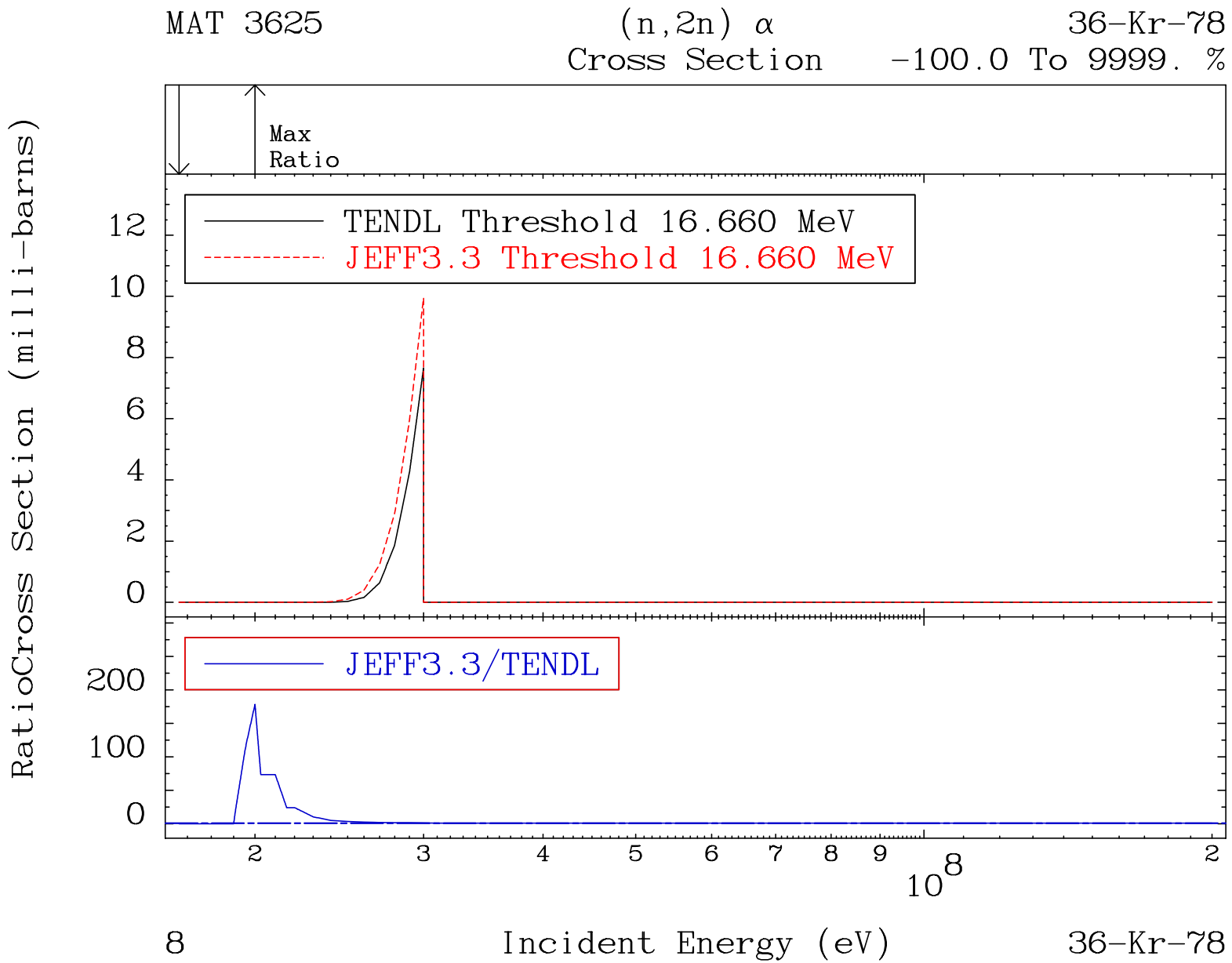

MAT 3625
Inelastic
Cross Section
36-Kr-78
-5.072 To 23.03 %
Max
Ratio
Min
Ratio
TENDL Threshold 460.92 keV
JEFF3.3 Threshold 460.92 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
1.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
36-Kr-78

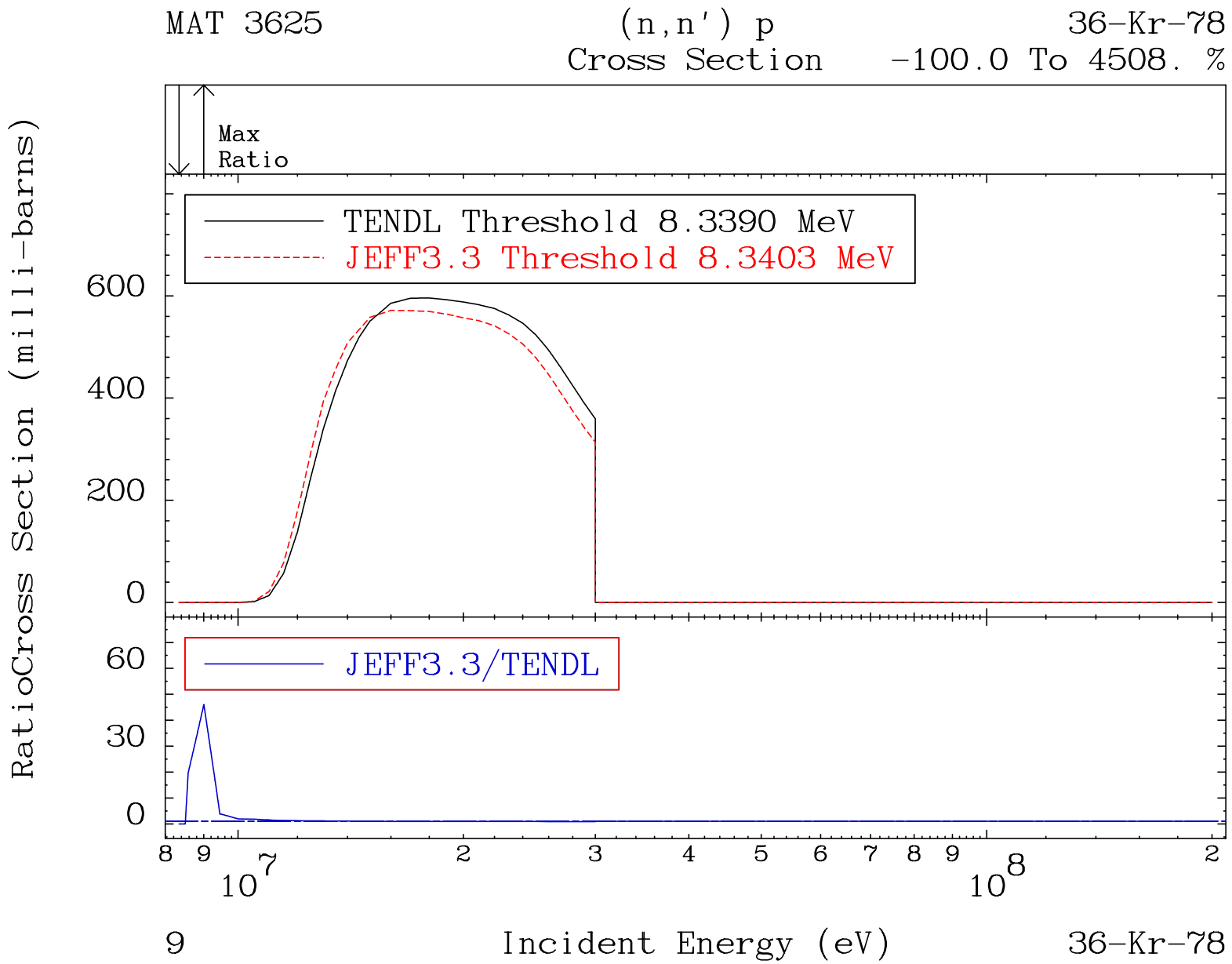

MAT 3625
(n,2n) d
Cross Section
36-Kr-78
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 26.618 MeV
JEFF3.3 Threshold 26.618 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
120
80
40
0
40
60
80
100
120
140
160
180
200
Incident Energy (MeV)

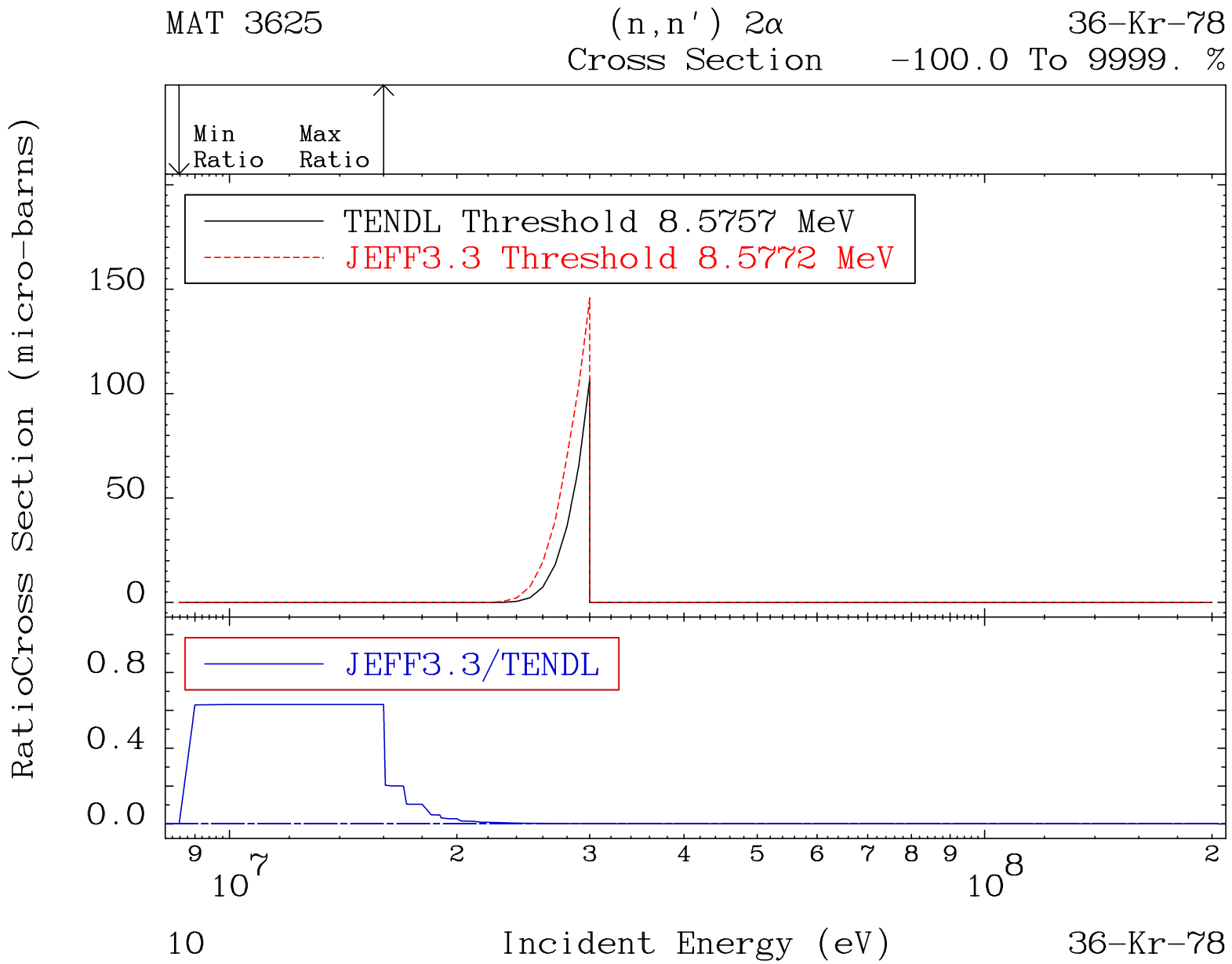

MAT 3625
(n,2n)
Cross Section
36-Kr-78
-100.0 To 187.3 %
Max
Ratio
TENDL Threshold 12.237 MeV
JEFF3.3 Threshold 12.238 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
4
2
0
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
36-Kr-78

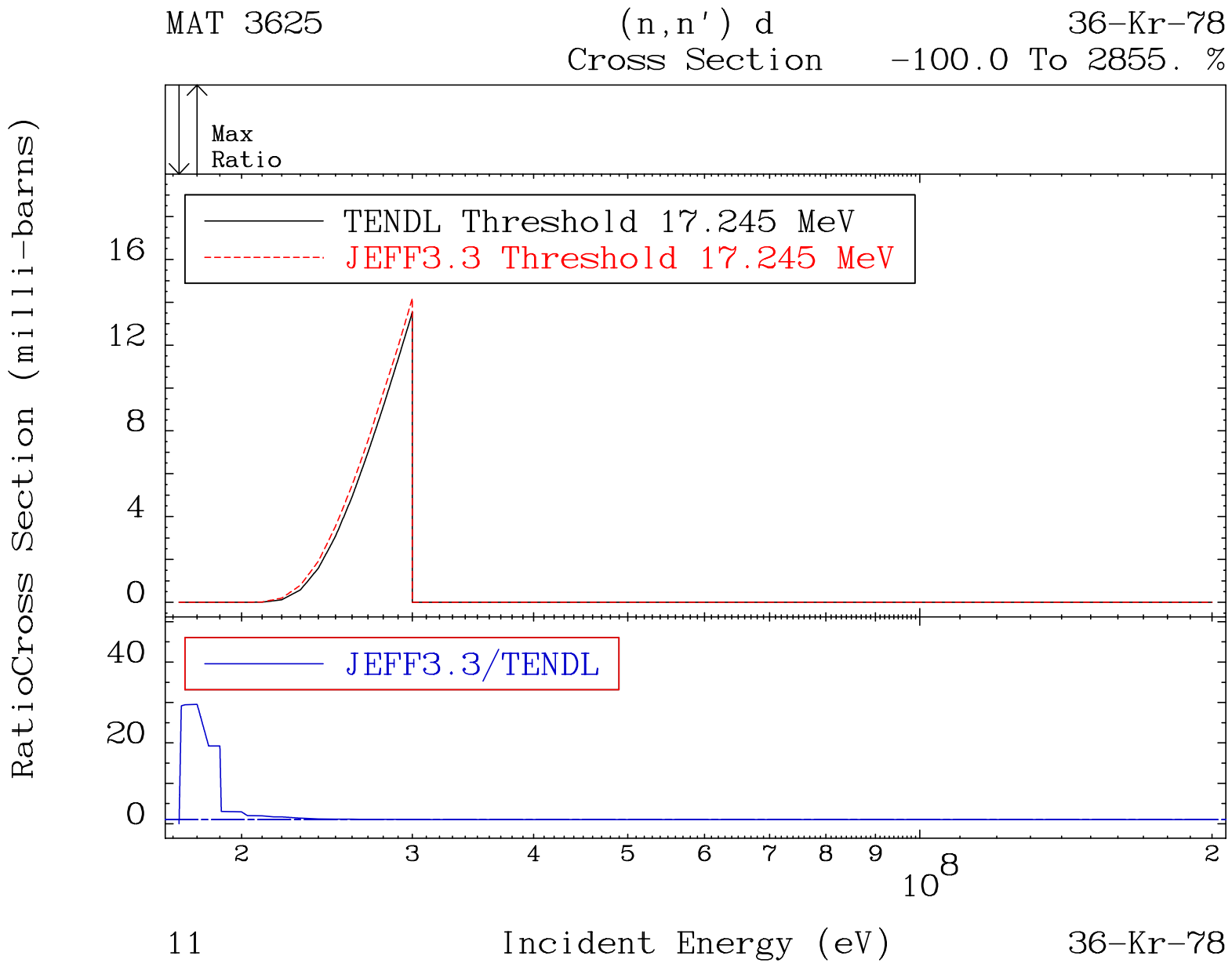

MAT 3625
(n,3n)
36-Kr-78
Cross Section
-100.0 To 721.0 %
Max
Ratio
TENDL Threshold 21.583 MeV
JEFF3.3 Threshold 21.583 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
12
8
4
0
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
36-Kr-78

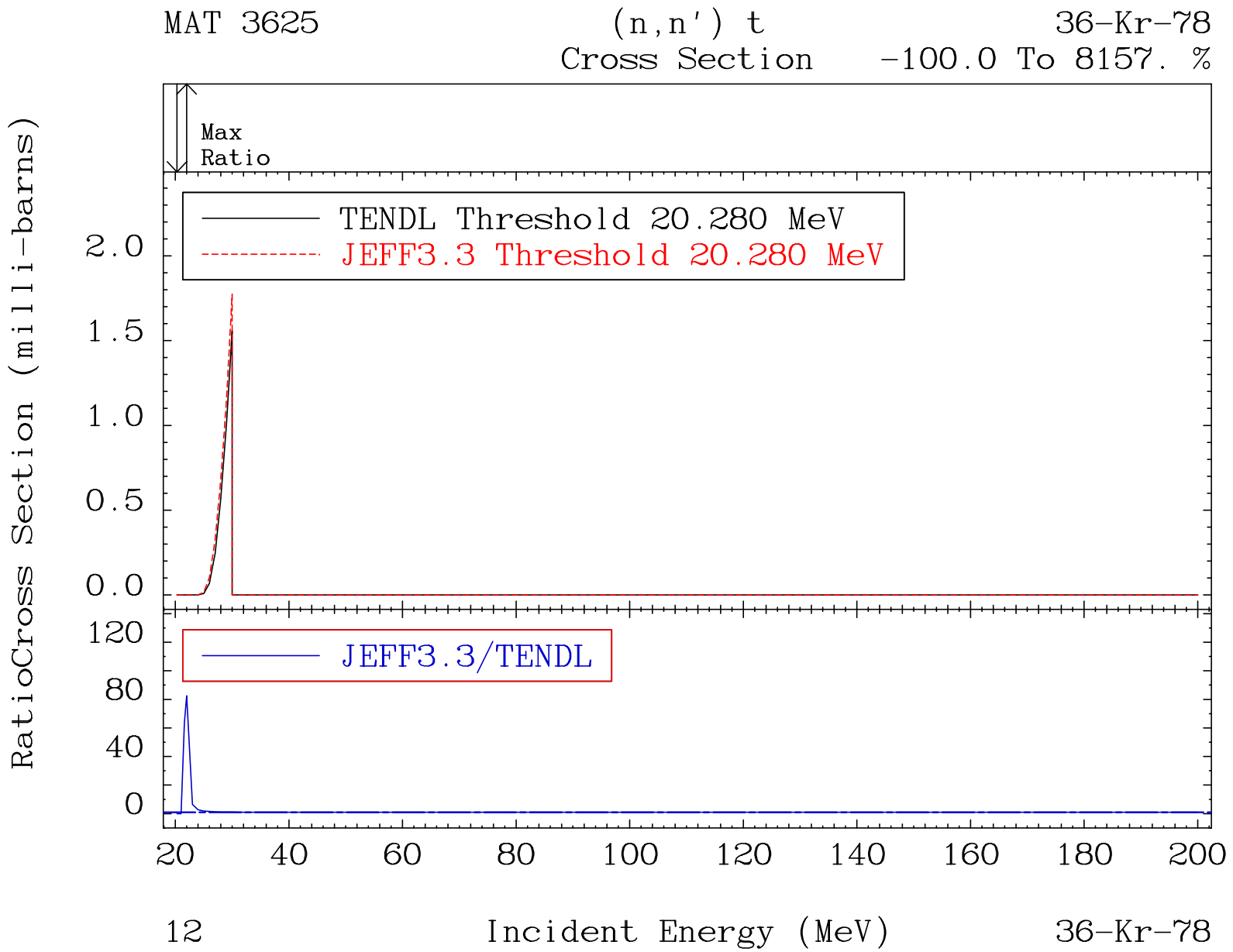

MAT 3625
(n,n') α
Cross Section
36-Kr-78
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4468 MeV
JEFF3.3 Threshold 4.4481 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
120
60
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
36-Kr-78

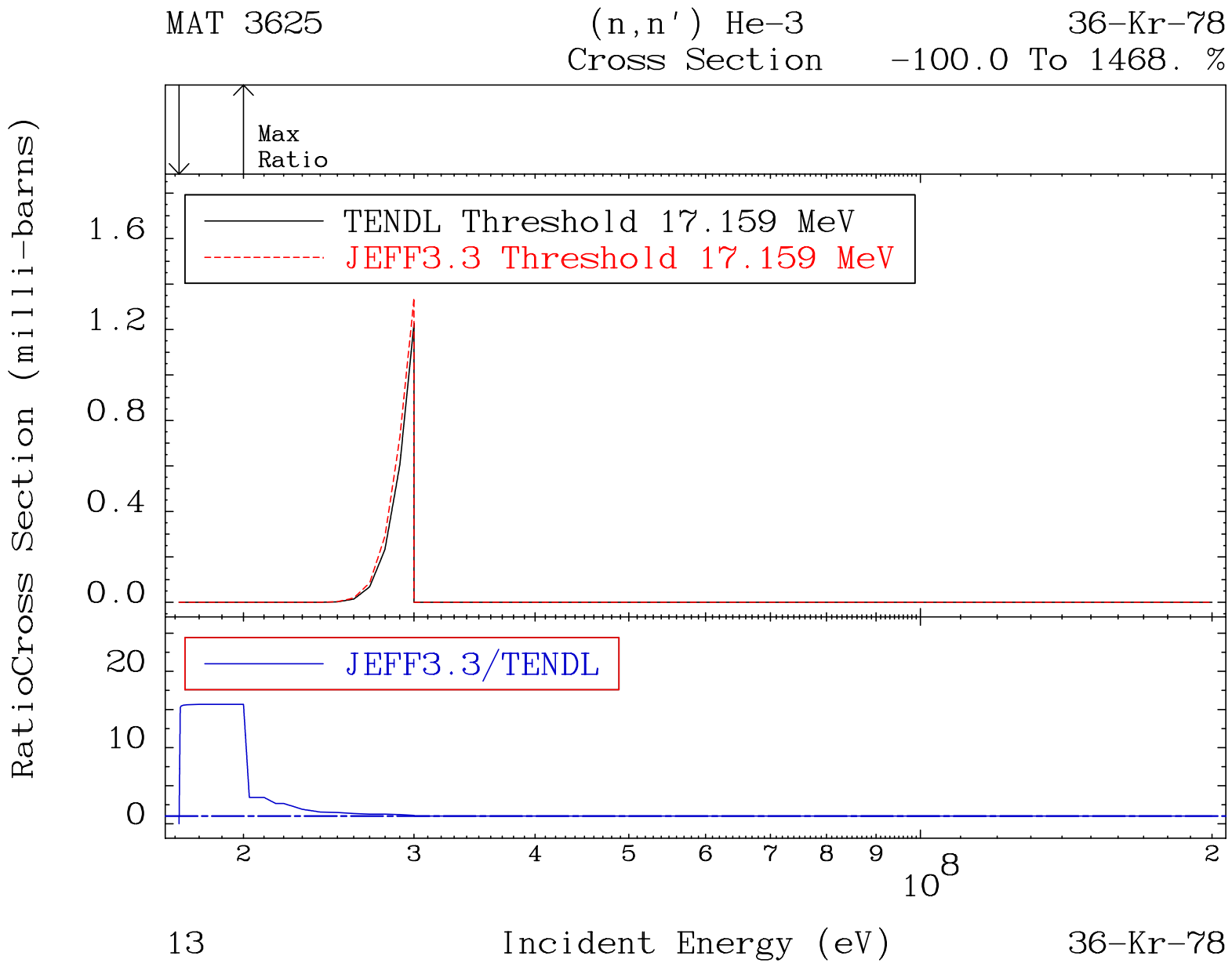

MAT 3625
(n,2n) α
Cross Section
36-Kr-78
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 16.660 MeV
JEFF3.3 Threshold 16.660 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
36-Kr-78

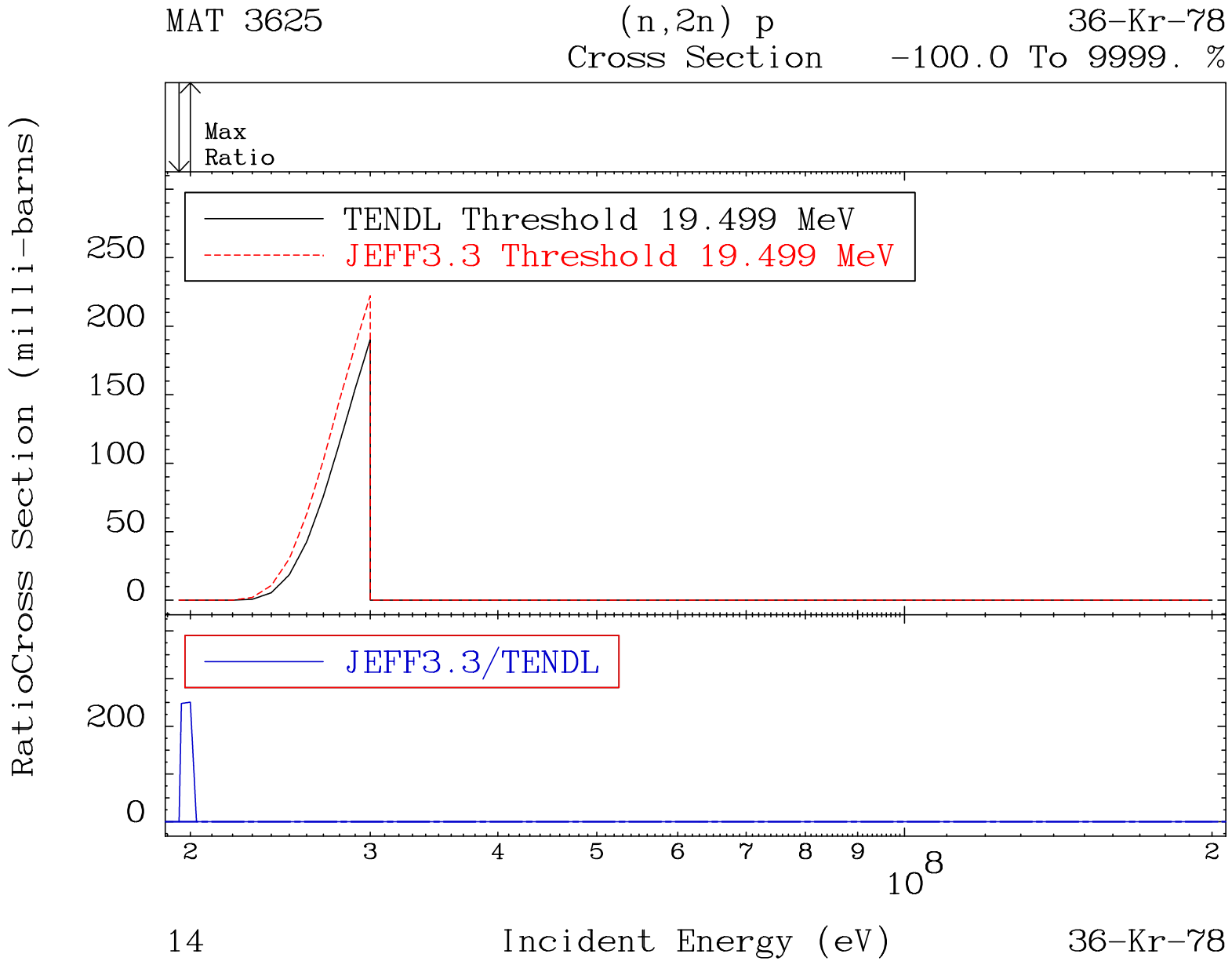

MAT 3625
(n,n') p
Cross Section
36-Kr-78
-100.0 To 4508. %
Max
Ratio
TENDL Threshold 8.3390 MeV
JEFF3.3 Threshold 8.3403 MeV
600
400
200
0
JEFF3.3/TENDL
60
30
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
RatioCross Section (milli-barns)
Incident Energy (eV)
9
36-Kr-78

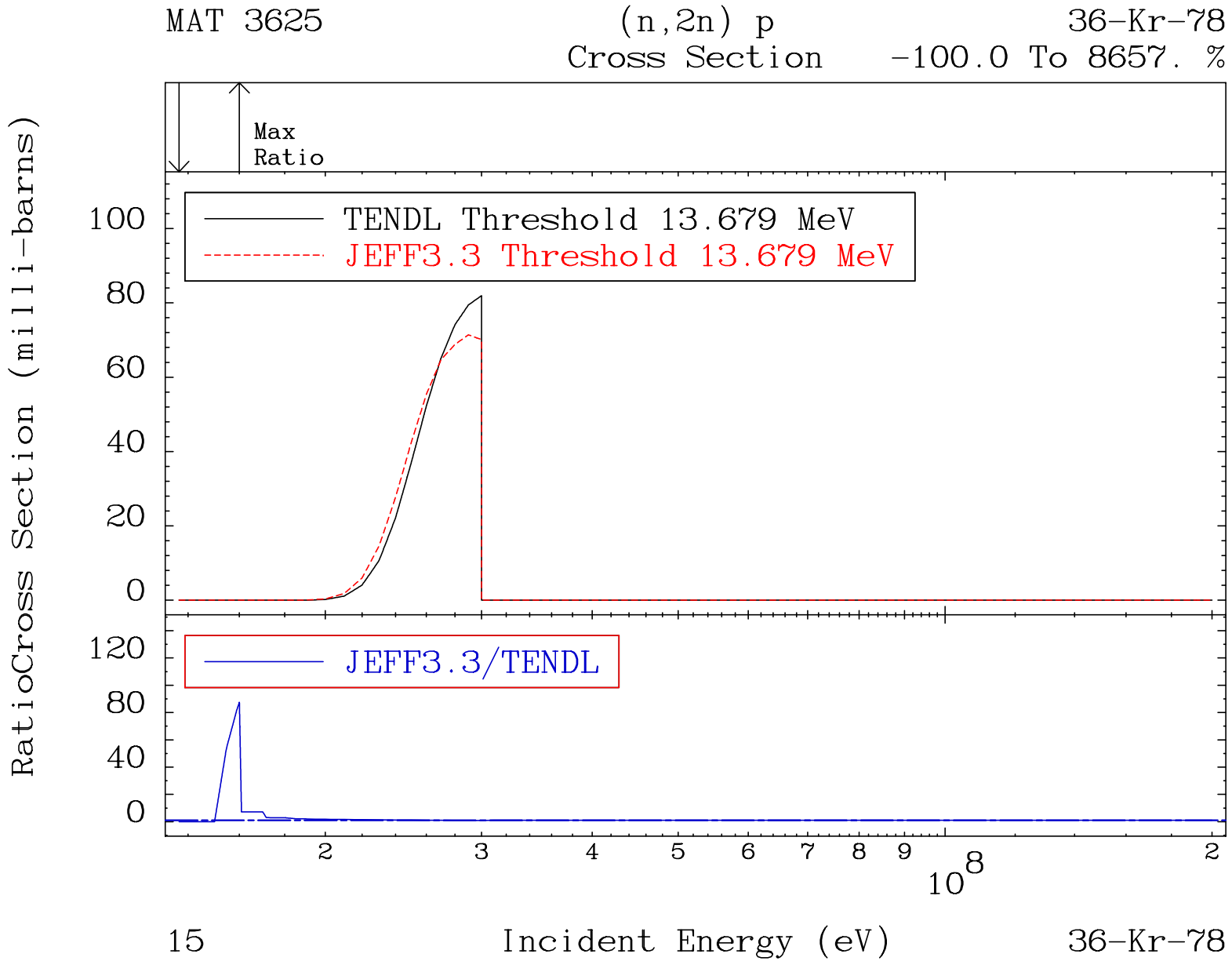

MAT 3625
(n,n') 2α
36-Kr-78
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.5757 MeV
JEFF3.3 Threshold 8.5772 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
150
100
50
0
0.8
0.4
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
36-Kr-78

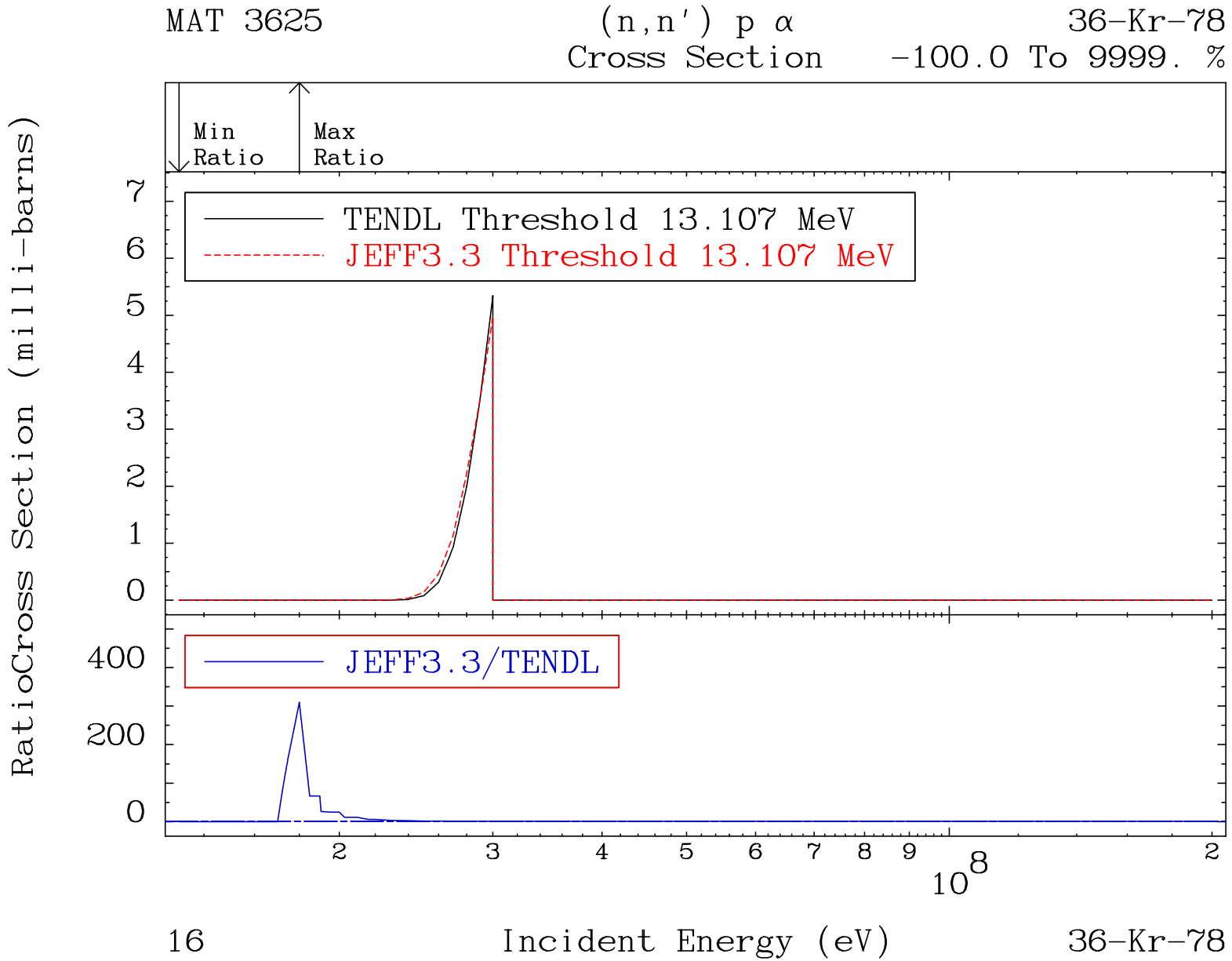

MAT 3625
(n,n') d
Cross Section
36-Kr-78
-100.0 To 2855. %
Max
Ratio
TENDL Threshold 17.245 MeV
JEFF3.3 Threshold 17.245 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
36-Kr-78

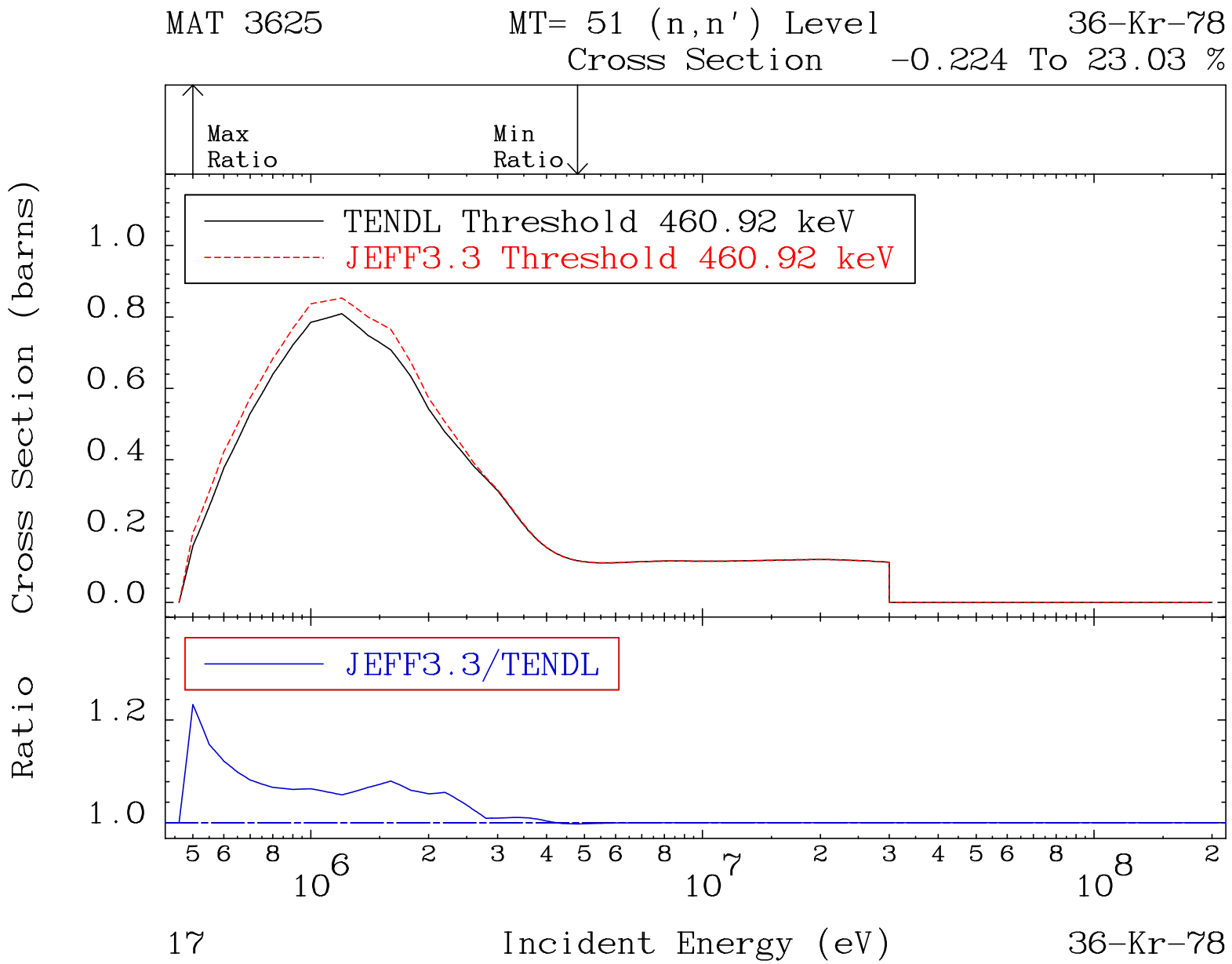

MAT 3625
(n,n') t
Cross Section
36-Kr-78
-100.0 To 8157. %
Max
Ratio
TENDL Threshold 20.280 MeV
JEFF3.3 Threshold 20.280 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
120
80
40
0
20
40
60
80
100
120
140
160
180
200
12
Incident Energy (MeV)
36-Kr-78

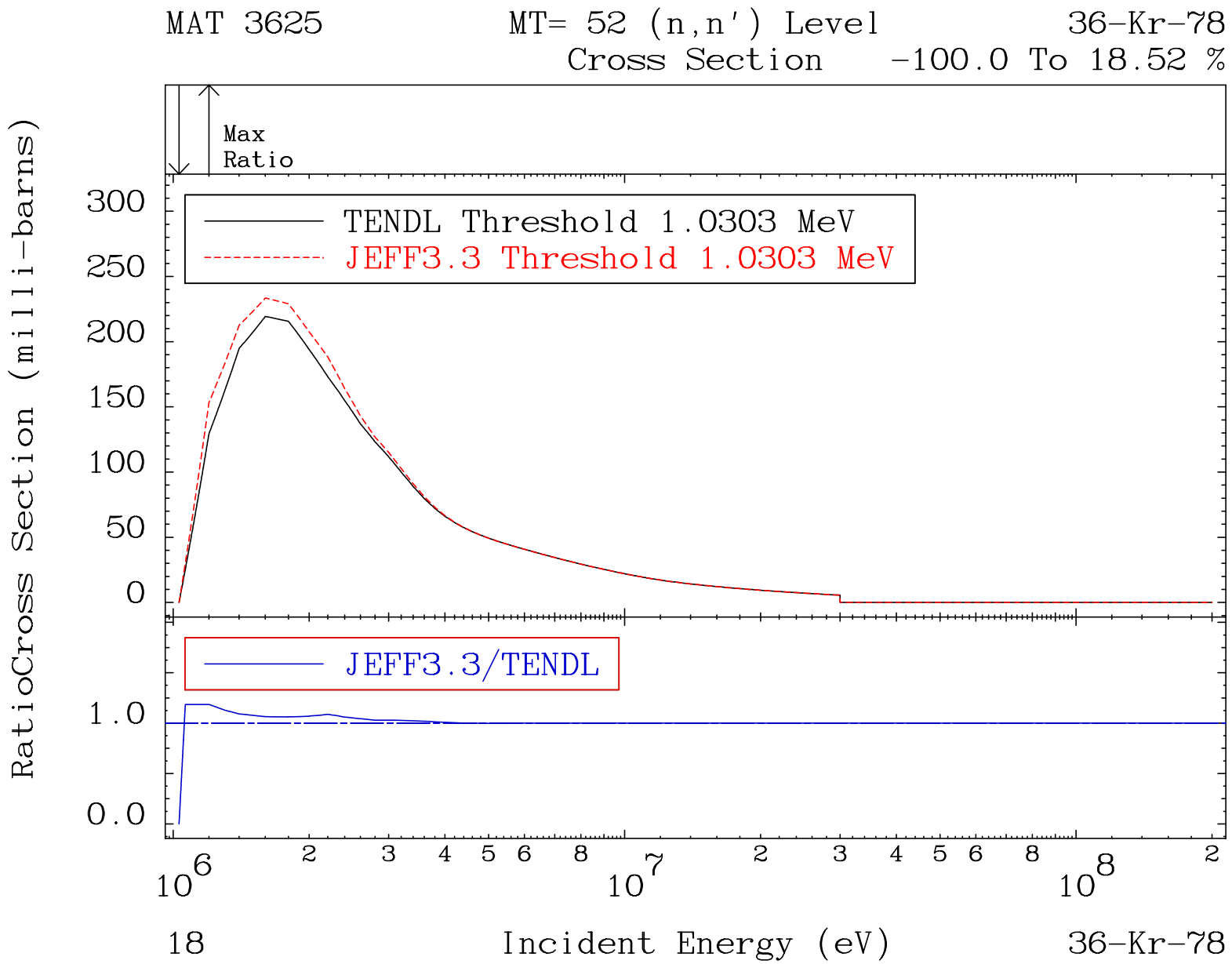

MAT 3625
(n,n') He-3
Cross Section
36-Kr-78
-100.0 To 1468. %
Max
Ratio
TENDL Threshold 17.159 MeV
JEFF3.3 Threshold 17.159 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
36-Kr-78

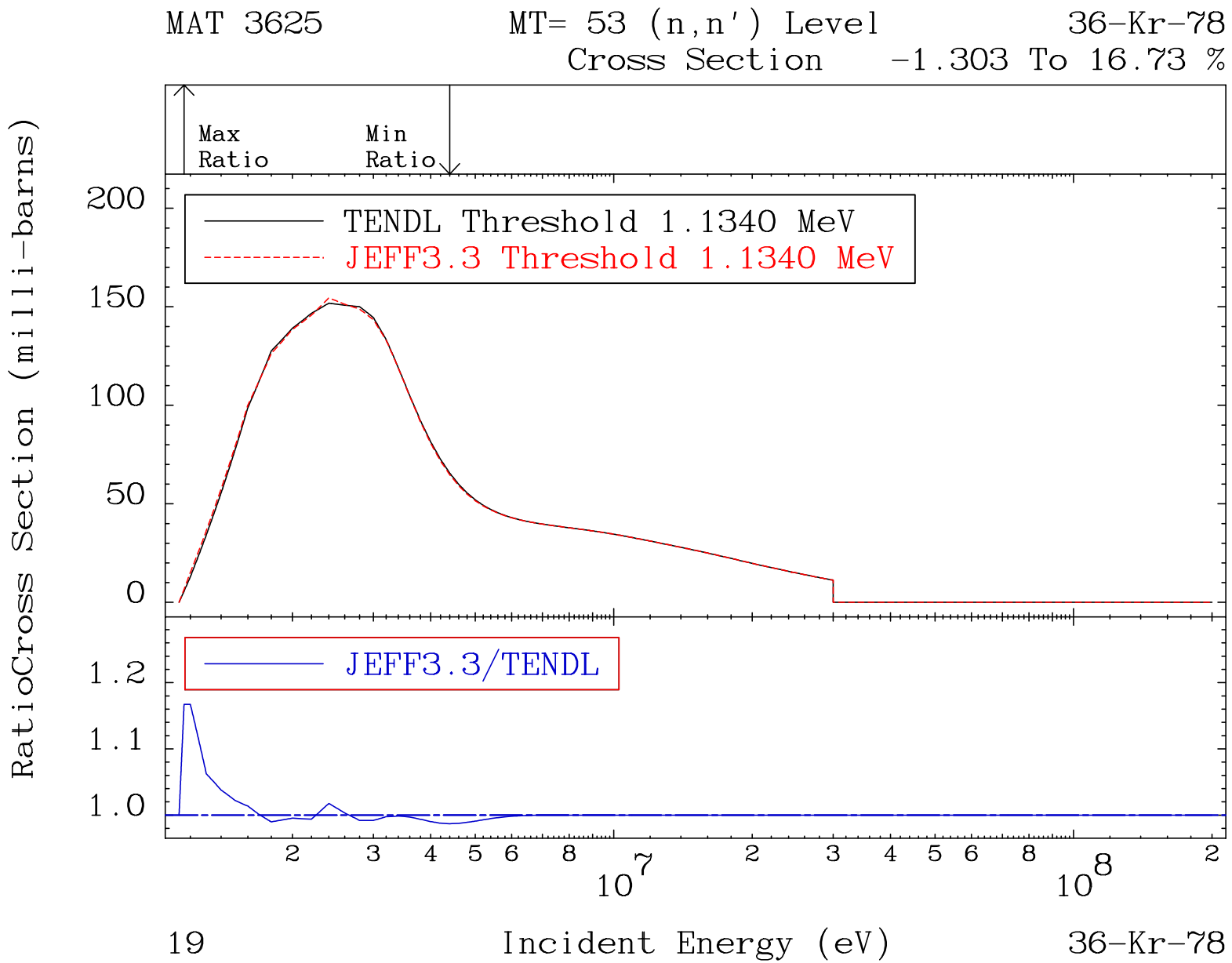

MAT 3625
(n,2n) p
Cross Section
36-Kr-78
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 19.499 MeV
JEFF3.3 Threshold 19.499 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
200
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
36-Kr-78

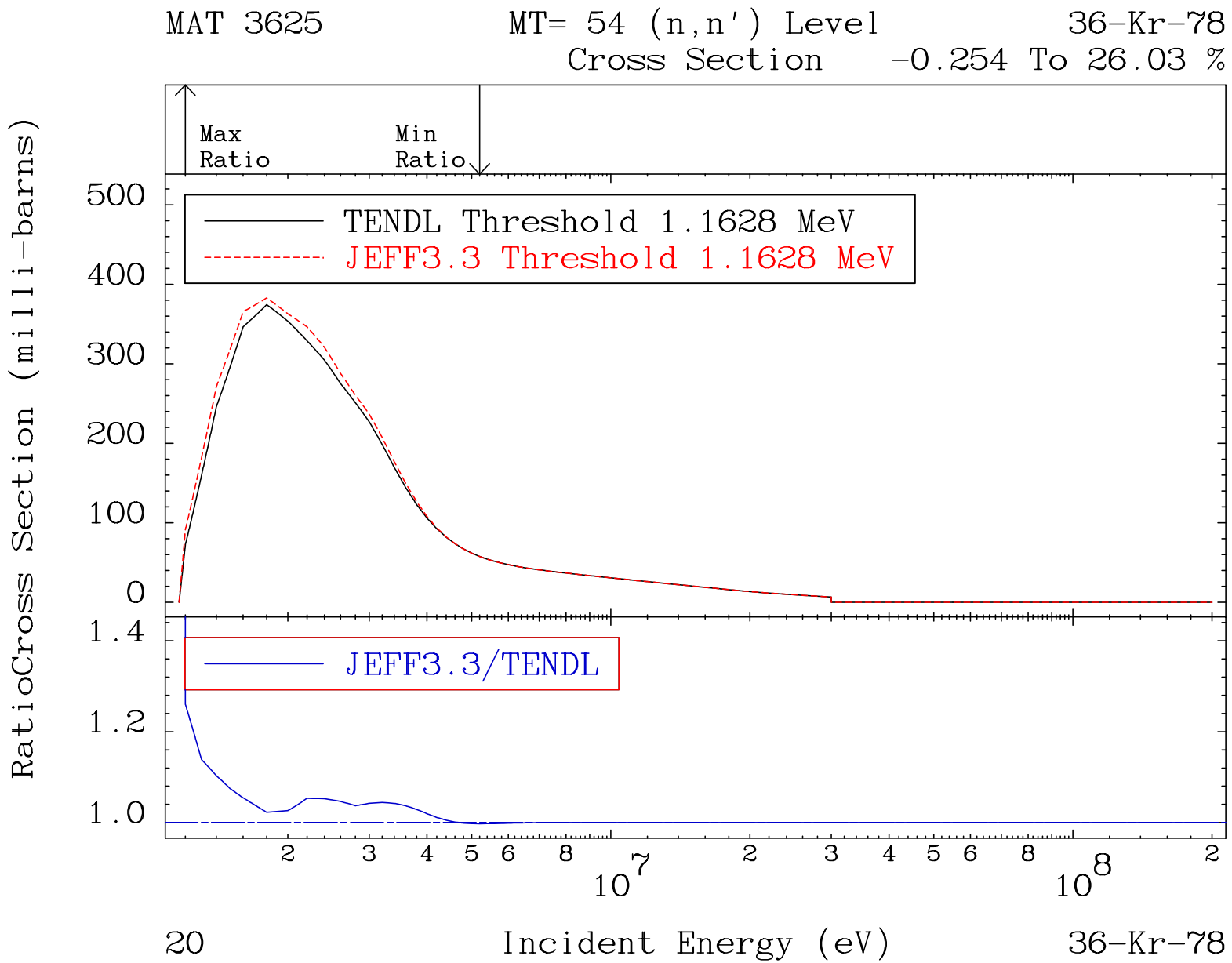

MAT 3625
(n,2n) p
Cross Section
36-Kr-78
-100.0 To 8657. %
Max
Ratio
TENDL Threshold 13.679 MeV
JEFF3.3 Threshold 13.679 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
120
80
40
0
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
36-Kr-78

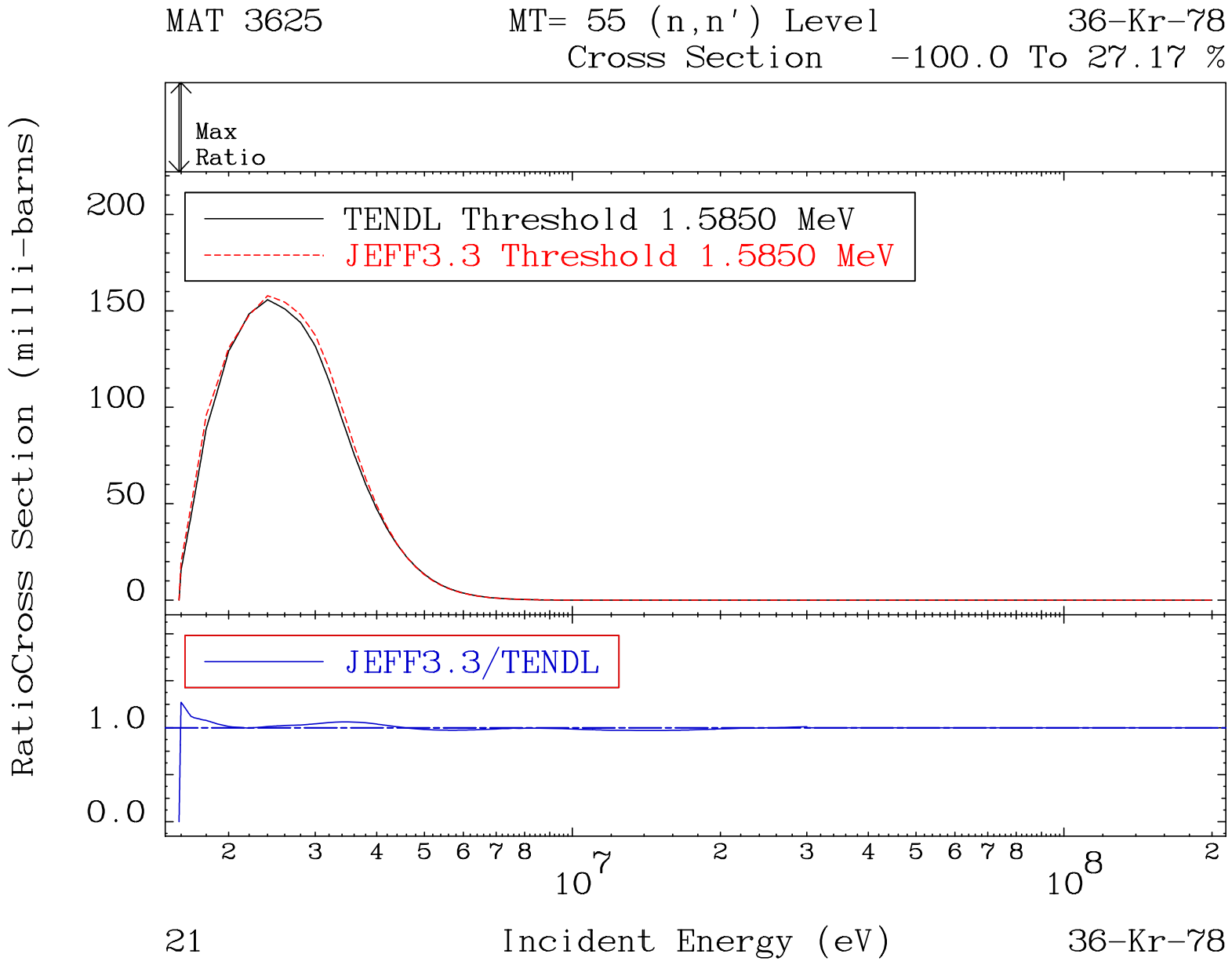

MAT 3625
(n,n') p α
36-Kr-78
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 13.107 MeV
JEFF3.3 Threshold 13.107 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
7
200
400
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
36-Kr-78

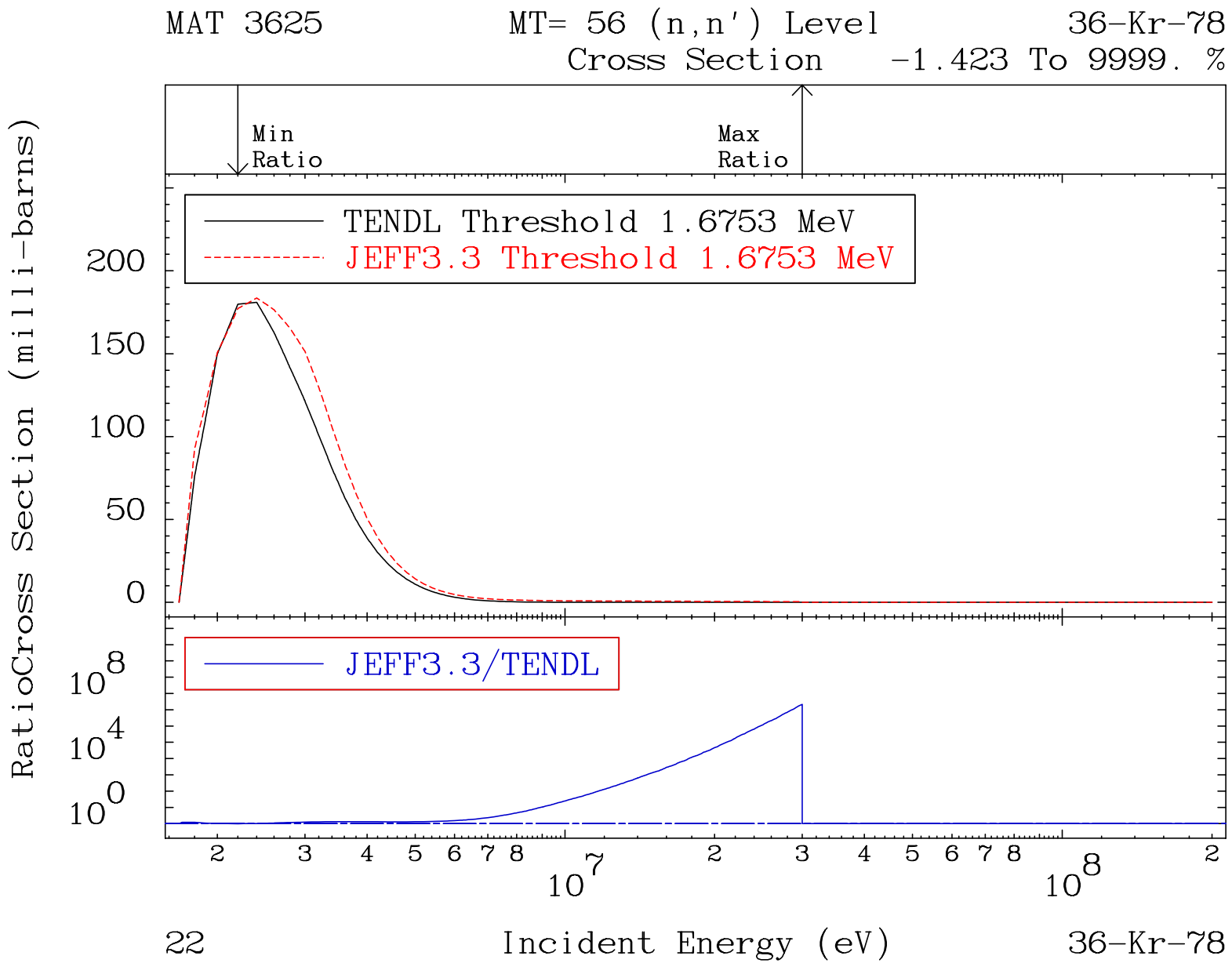

MAT 3625
MT= 51 (n,n') Level
36-Kr-78
Cross Section
-0.224 To 23.03 %
Max Ratio
Min Ratio
TENDL Threshold 460.92 keV
JEFF3.3 Threshold 460.92 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
1.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
36-Kr-78

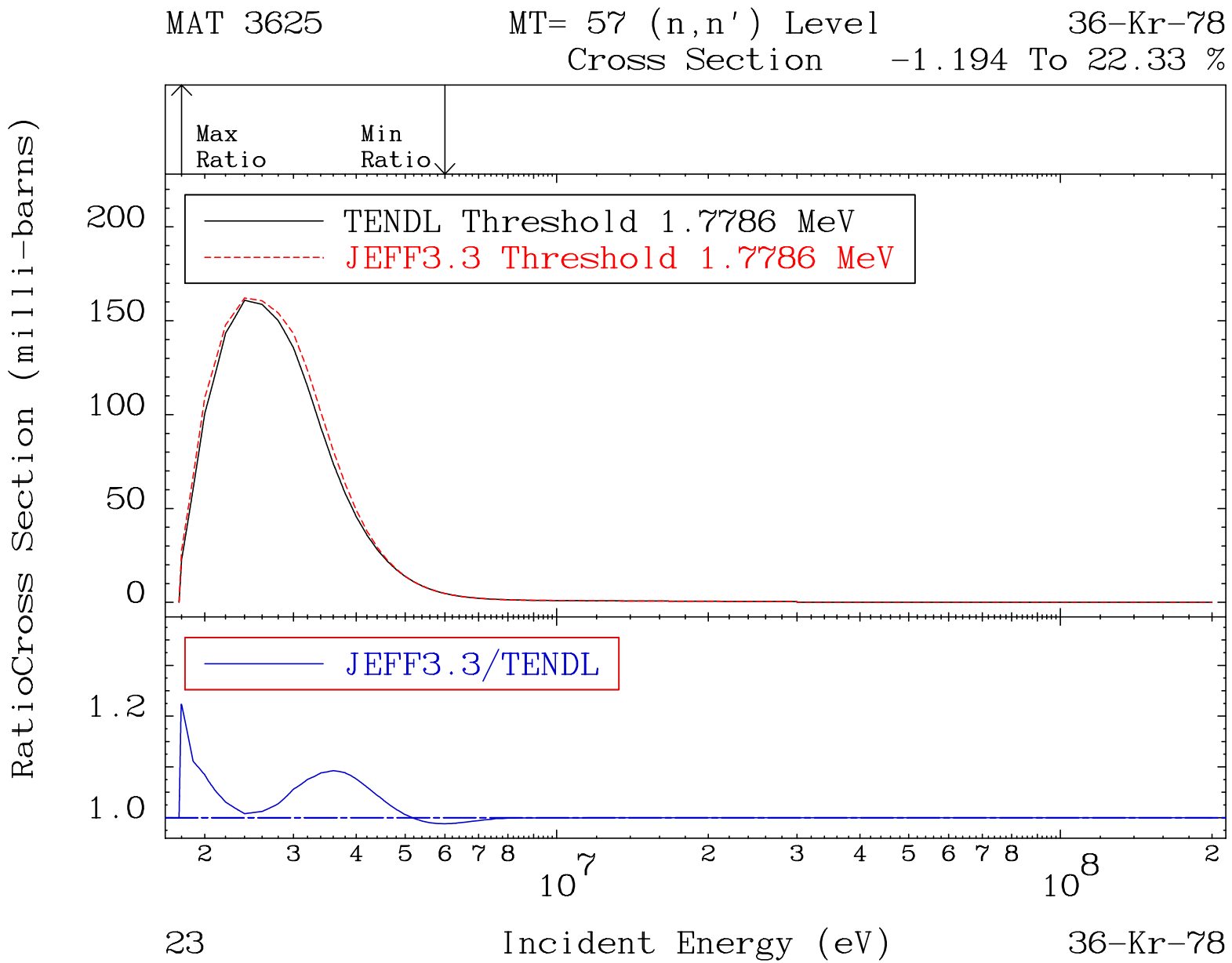

MAT 3625
MT= 52 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 18.52 %
Max
Ratio
TENDL Threshold 1.0303 MeV
JEFF3.3 Threshold 1.0303 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.0
0.0
10^6
10^7
10^8
Incident Energy (eV)
18
36-Kr-78

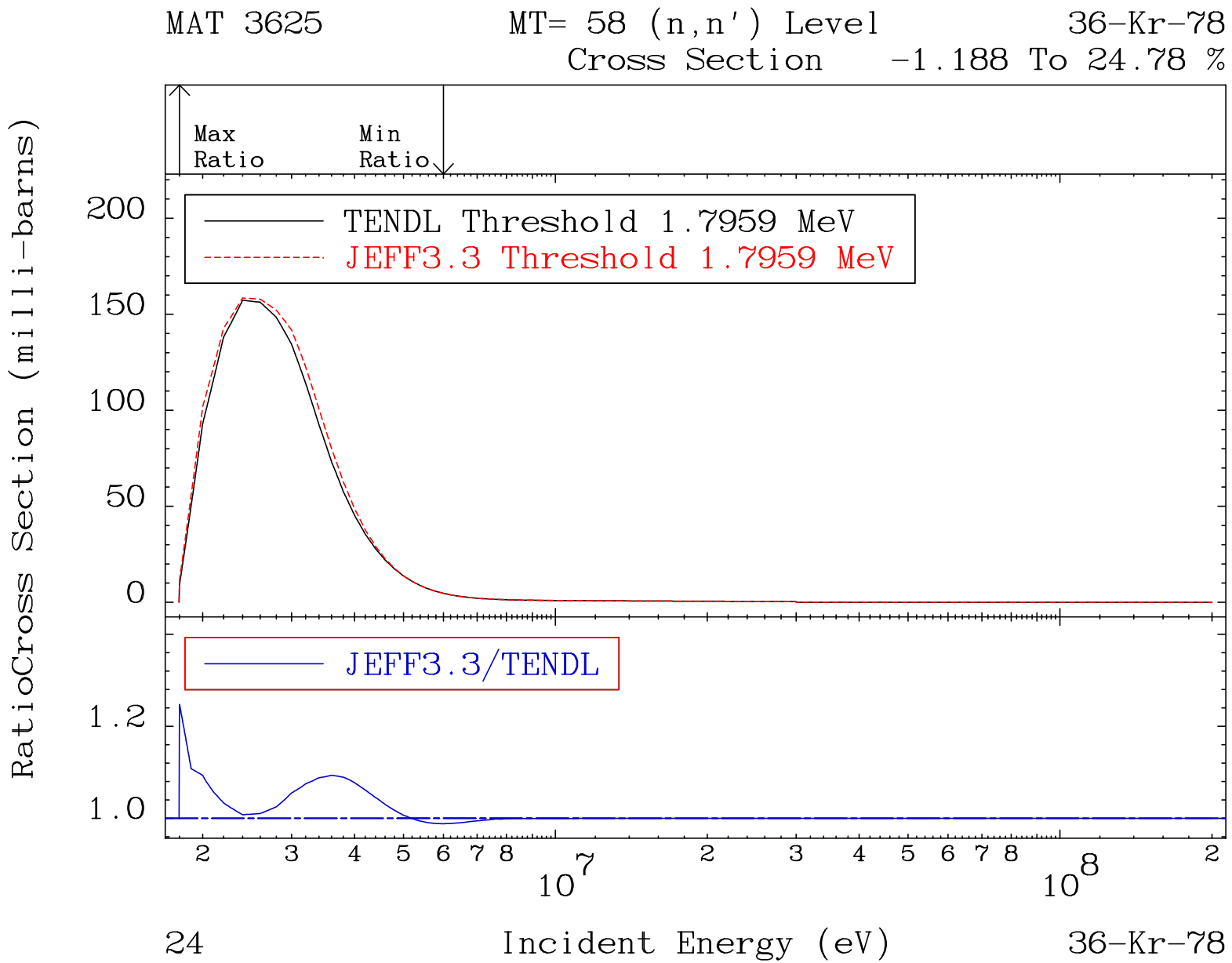

MAT 3625
MT= 53 (n,n') Level
36-Kr-78
Cross Section
-1.303 To 16.73 %
Max Ratio
Min Ratio
TENDL Threshold 1.1340 MeV
JEFF3.3 Threshold 1.1340 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
1.1
1.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
36-Kr-78

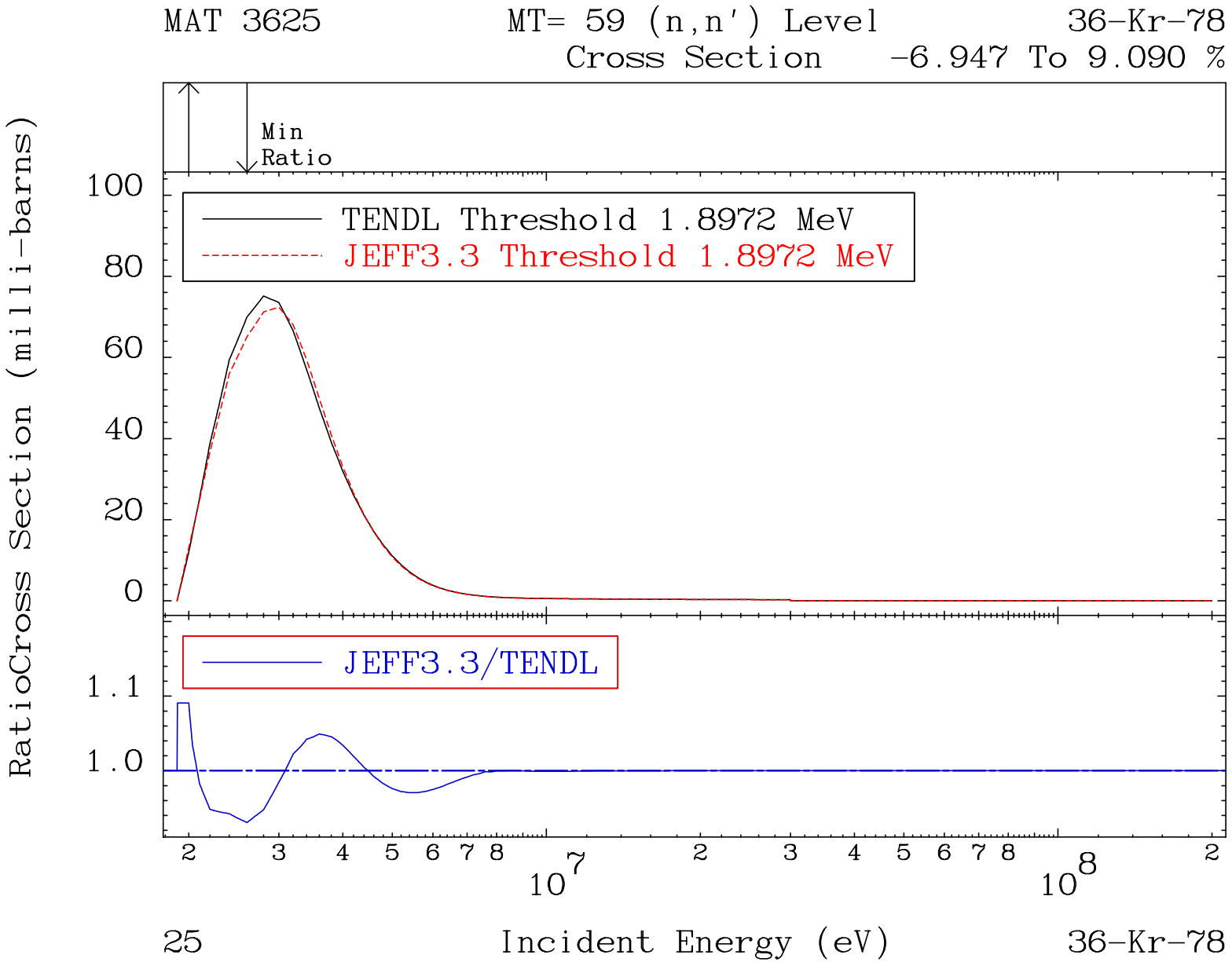

MAT 3625
MT= 54 (n,n') Level
36-Kr-78
Cross Section
-0.254 To 26.03 %
Max Ratio
Min Ratio
TENDL Threshold 1.1628 MeV
JEFF3.3 Threshold 1.1628 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.4
1.2
1.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
36-Kr-78

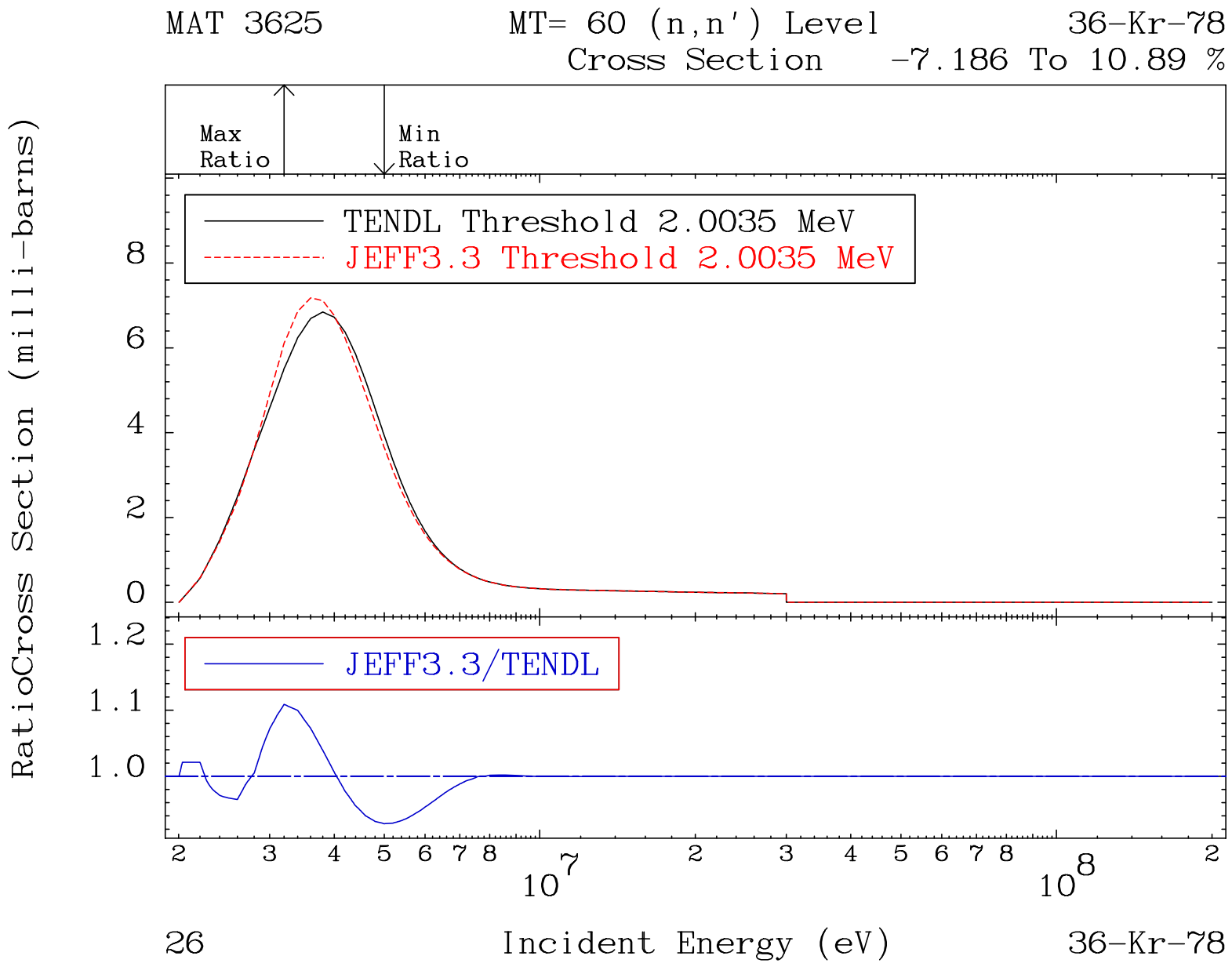

MAT 3625
MT= 55 (n,n') Level
36-Kr-78
Cross Section
-100.0 To 27.17 %
Max
Ratio
TENDL Threshold 1.5850 MeV
JEFF3.3 Threshold 1.5850 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
36-Kr-78

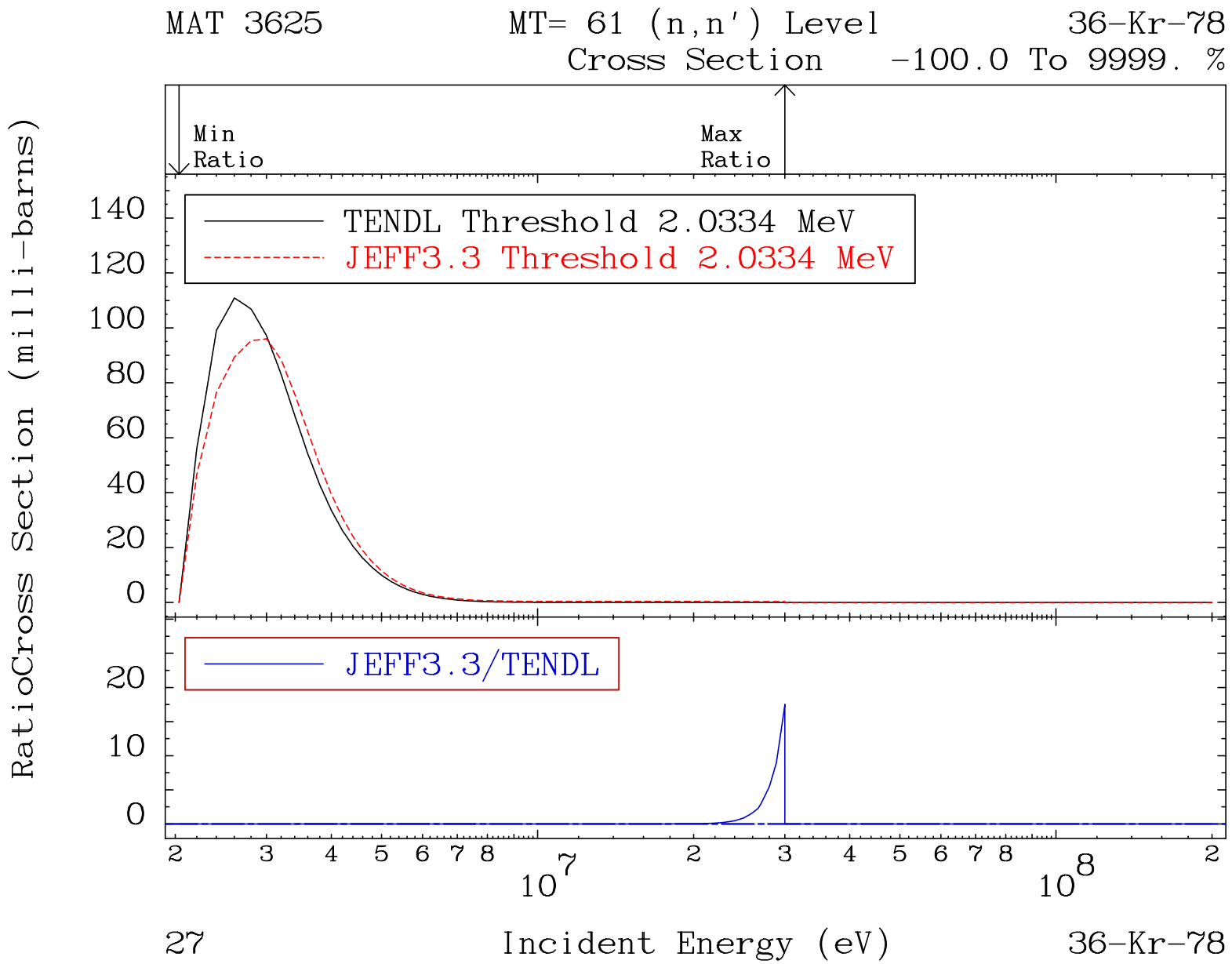

MAT 3625
MT= 56 (n,n') Level
36-Kr-78
Cross Section -1.423 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.6753 MeV
JEFF3.3 Threshold 1.6753 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^8
10^4
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
36-Kr-78

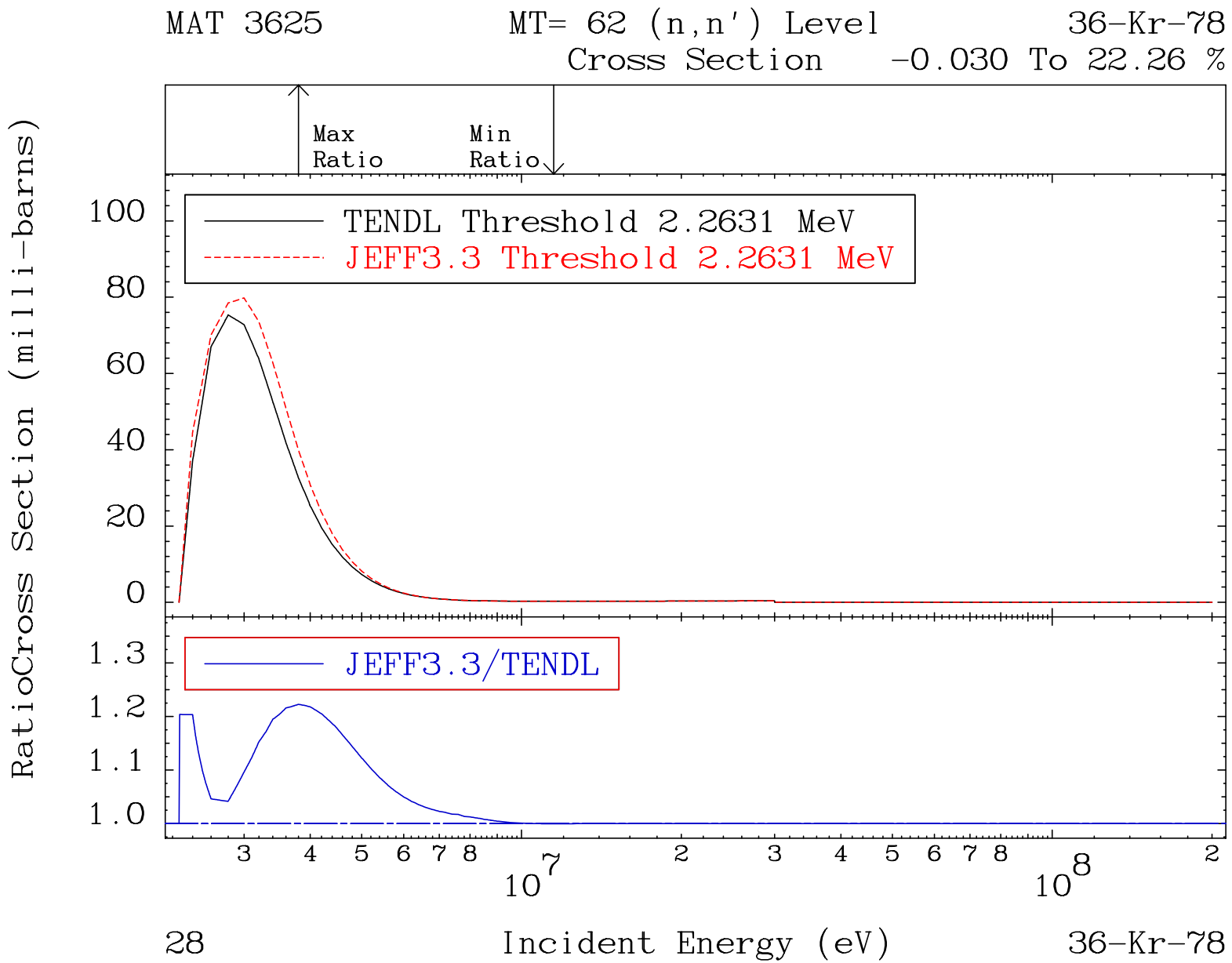

MAT 3625
MT= 57 (n,n') Level
36-Kr-78
Cross Section -1.194 To 22.33 %
Max Ratio
Min Ratio
TENDL Threshold 1.7786 MeV
JEFF3.3 Threshold 1.7786 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
36-Kr-78

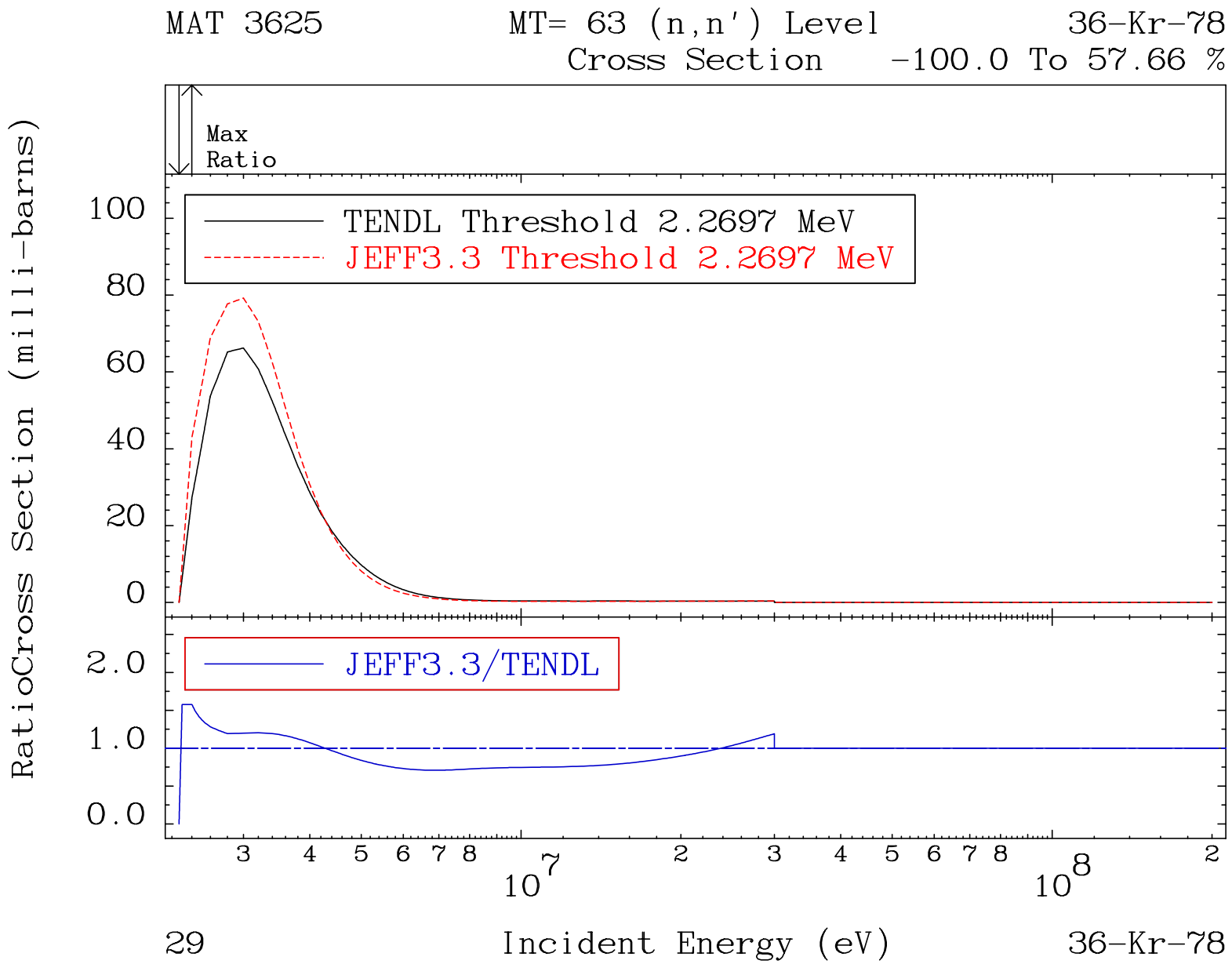

MAT 3625
MT= 58 (n,n') Level
36-Kr-78
Cross Section -1.188 To 24.78 %
Max Ratio
Min Ratio
TENDL Threshold 1.7959 MeV
JEFF3.3 Threshold 1.7959 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
36-Kr-78

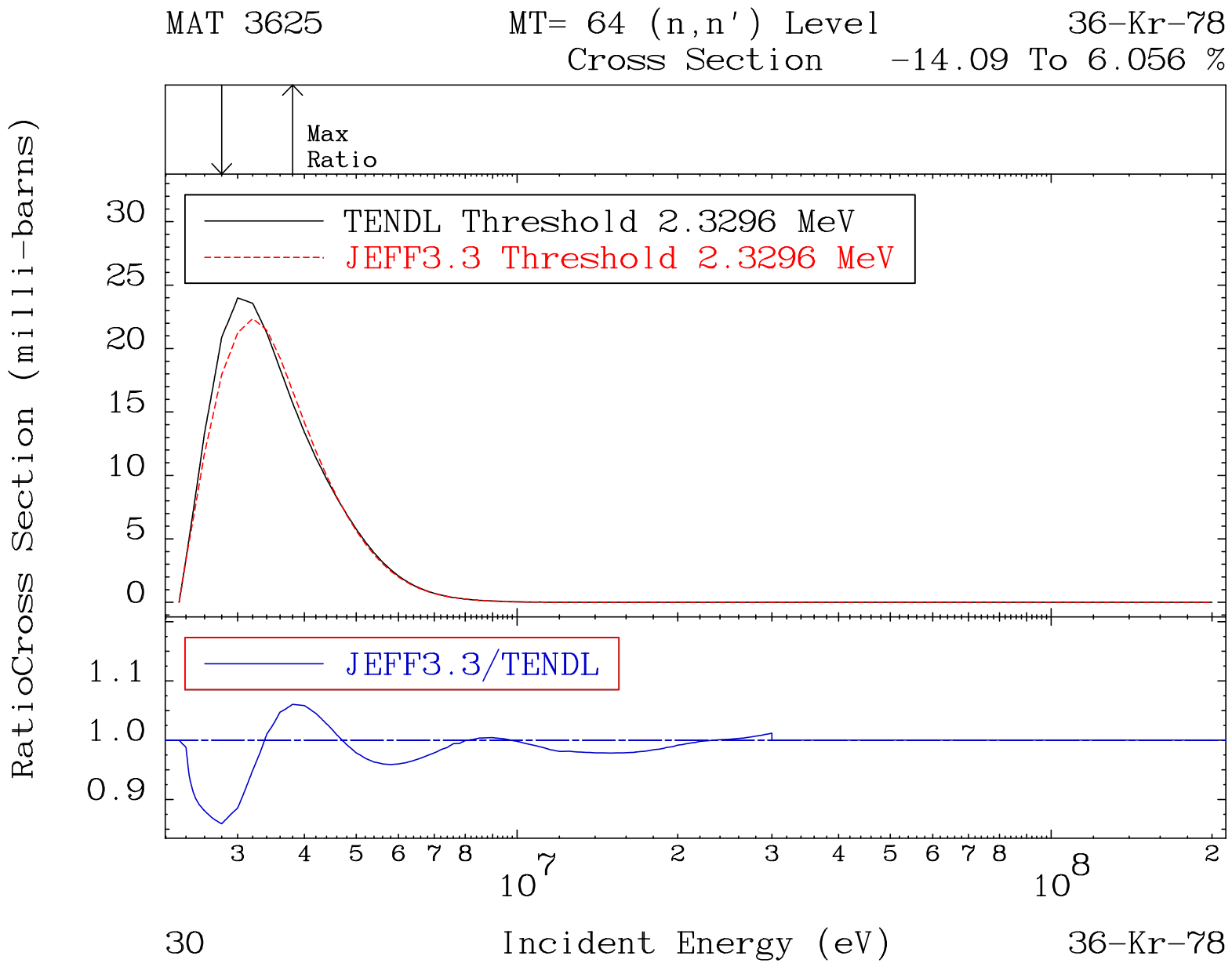

MAT 3625
MT= 59 (n,n') Level
36-Kr-78
Cross Section
-6.947 To 9.090 %
Min
Ratio
TENDL Threshold 1.8972 MeV
JEFF3.3 Threshold 1.8972 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.1
1.0
2
3
4
5
6
7
8
10^7
10^8
25
Incident Energy (eV)
36-Kr-78

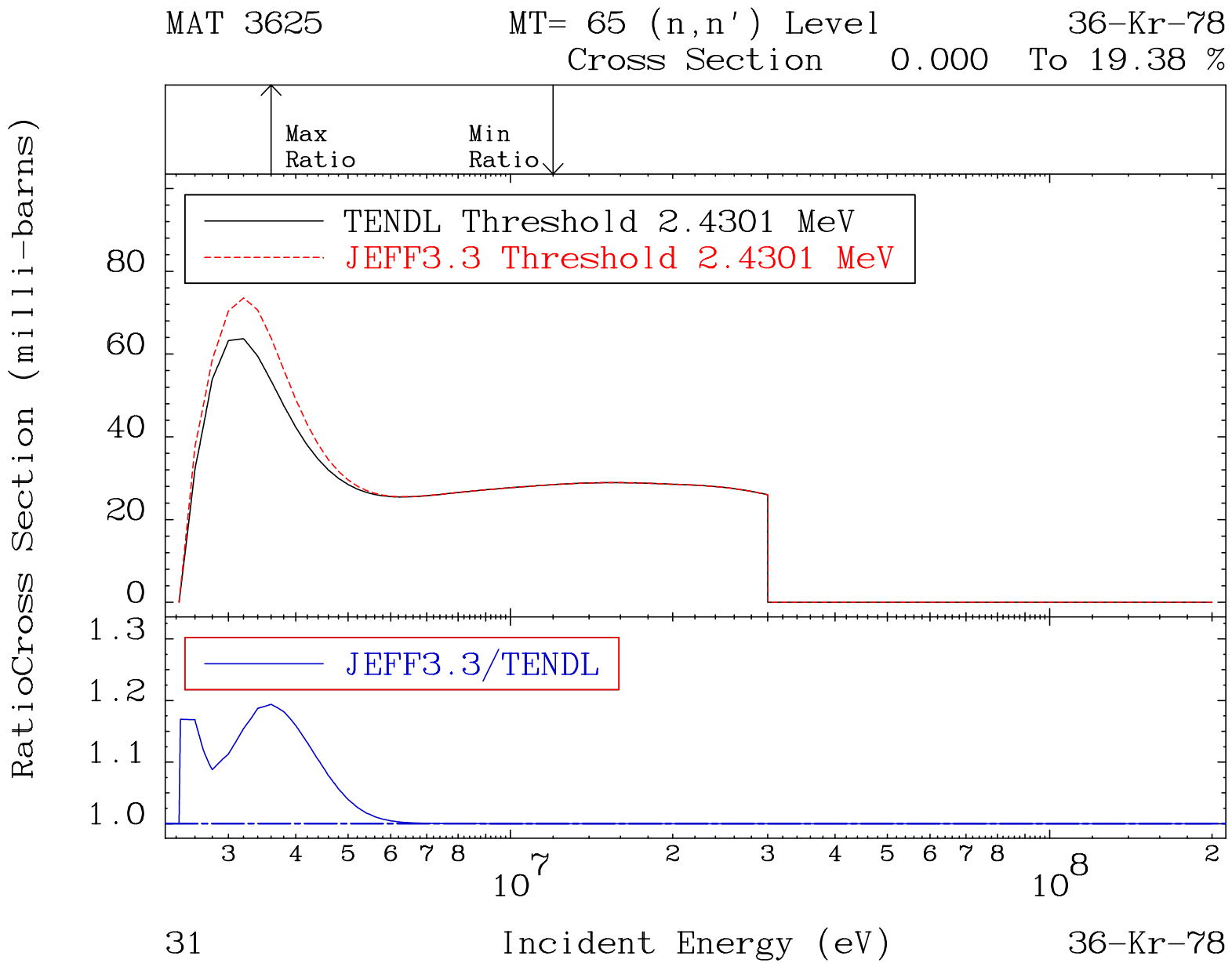

MAT 3625
MT= 60 (n,n') Level
36-Kr-78
Cross Section
-7.186 To 10.89 %
Max Ratio
Min Ratio
TENDL Threshold 2.0035 MeV
JEFF3.3 Threshold 2.0035 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
36-Kr-78

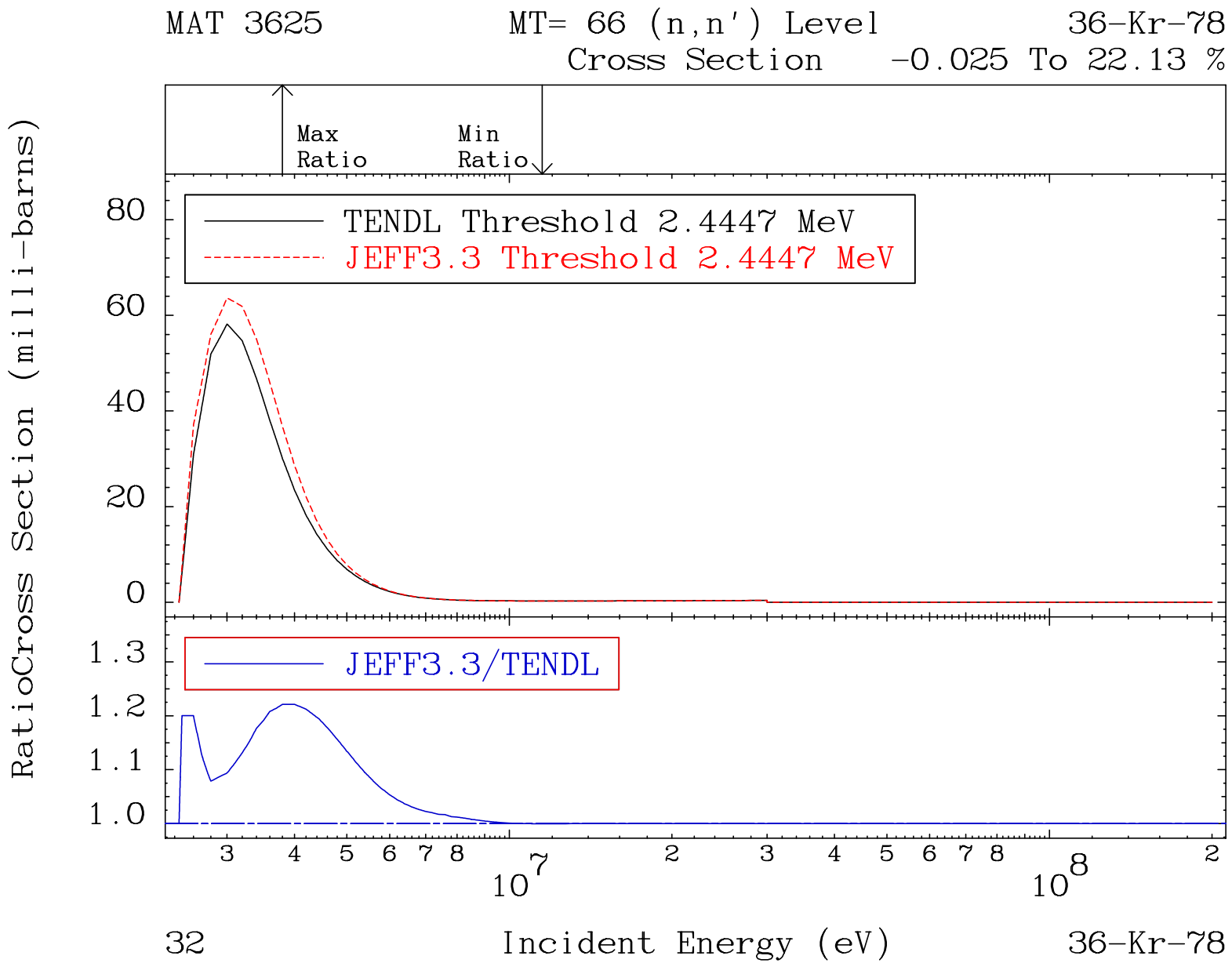

MAT 3625
MT= 61 (n,n') Level
36-Kr-78
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.0334 MeV
JEFF3.3 Threshold 2.0334 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
20
10
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
36-Kr-78

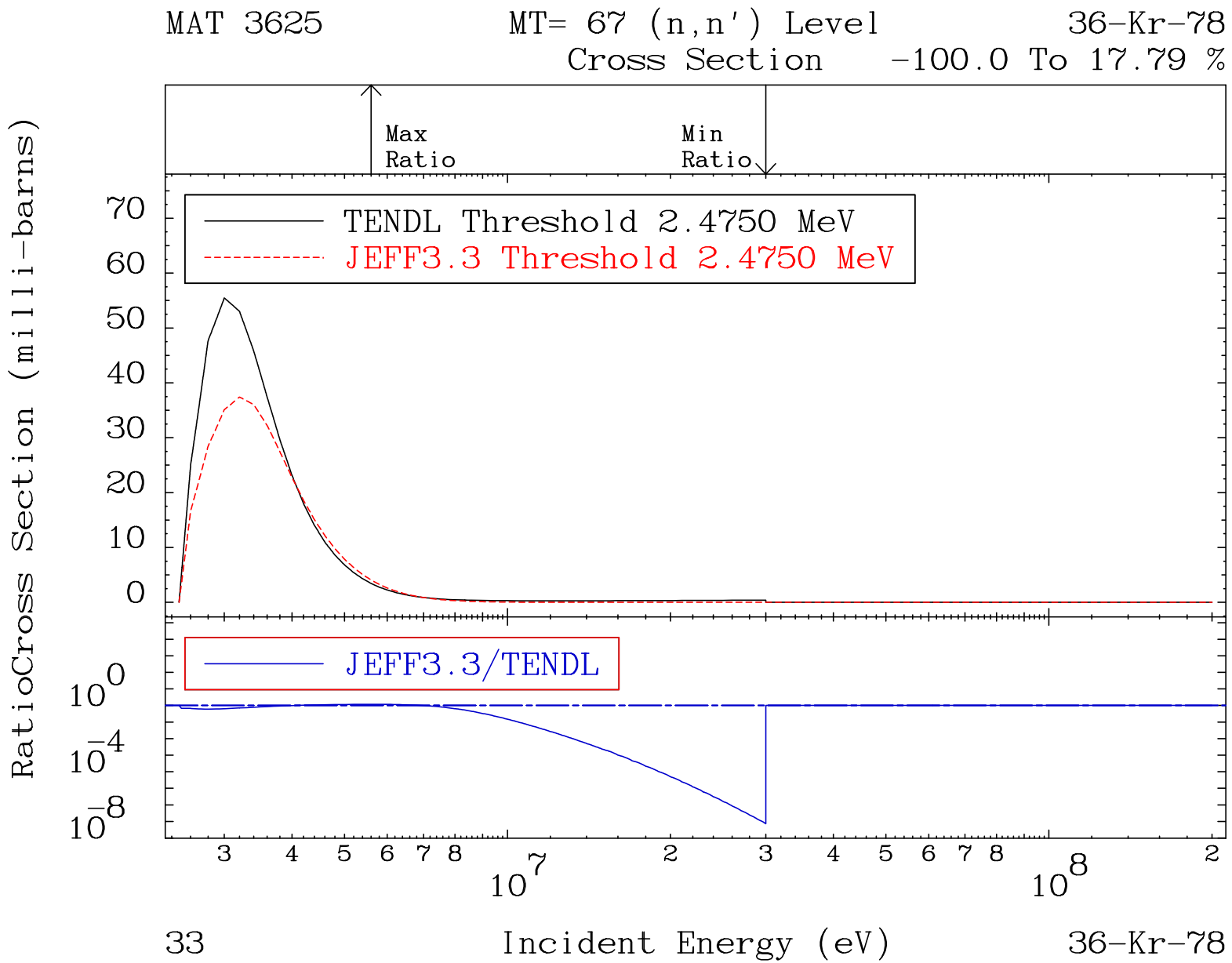

MAT 3625
MT= 62 (n,n') Level
36-Kr-78
Cross Section -0.030 To 22.26 %
Max Ratio
Min Ratio
TENDL Threshold 2.2631 MeV
JEFF3.3 Threshold 2.2631 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.3
1.2
1.1
1.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
36-Kr-78

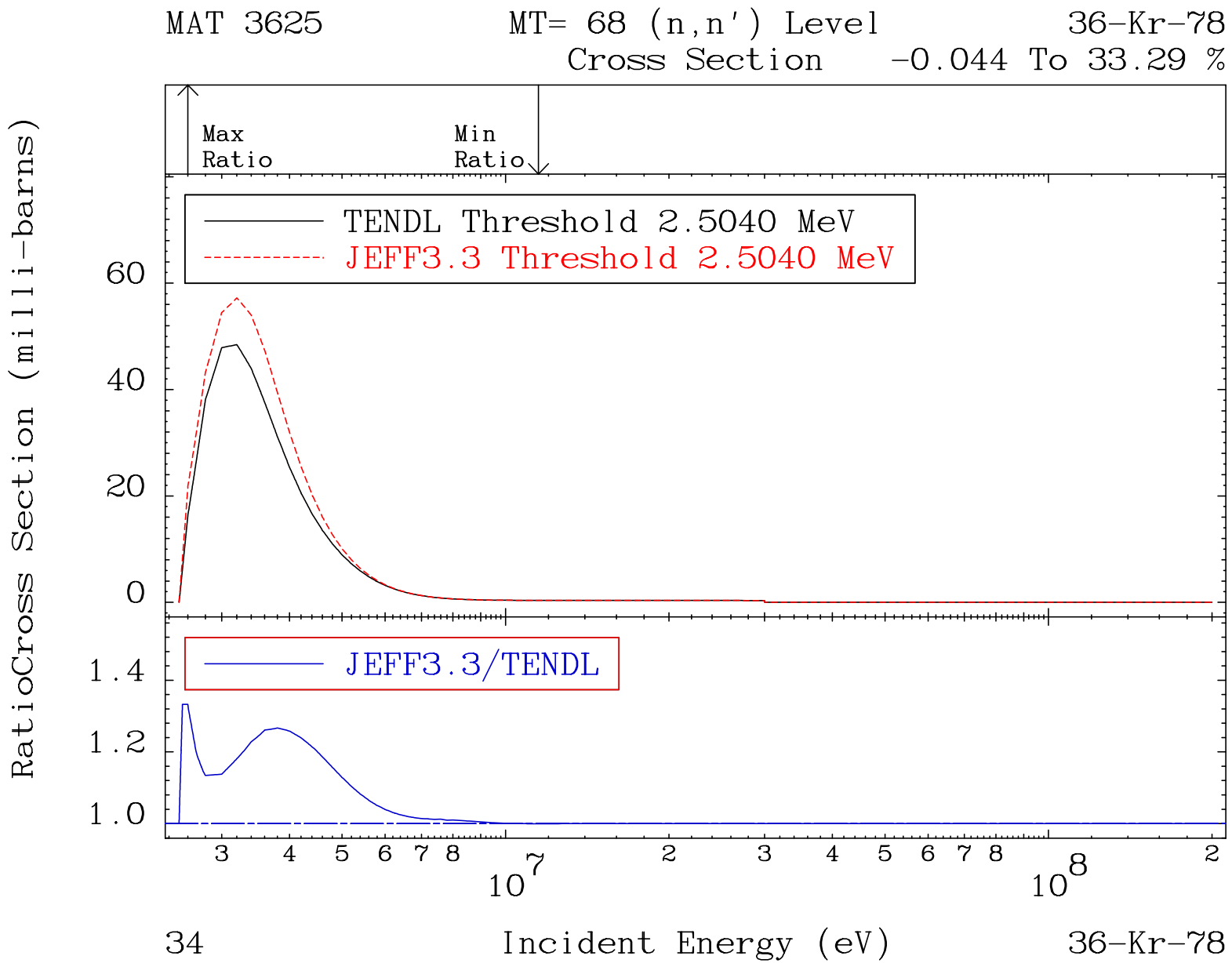

MAT 3625
MT= 63 (n,n') Level
36-Kr-78
Cross Section
-100.0 To 57.66 %
Max
Ratio
TENDL Threshold 2.2697 MeV
JEFF3.3 Threshold 2.2697 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
36-Kr-78

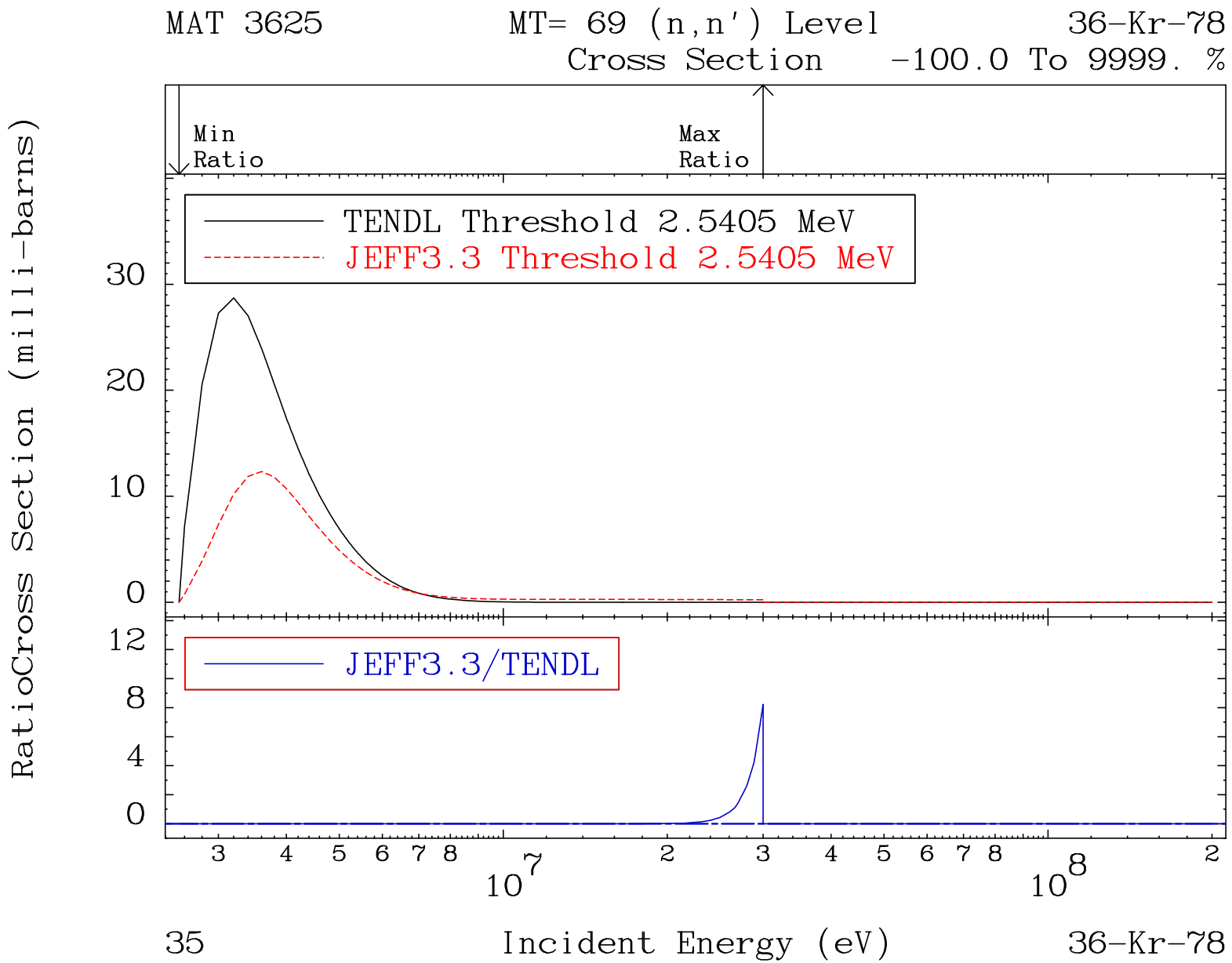

MAT 3625
MT= 64 (n,n') Level
36-Kr-78
Cross Section
-14.09 To 6.056 %
Max
Ratio
TENDL Threshold 2.3296 MeV
JEFF3.3 Threshold 2.3296 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.1
1.0
0.9
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
36-Kr-78

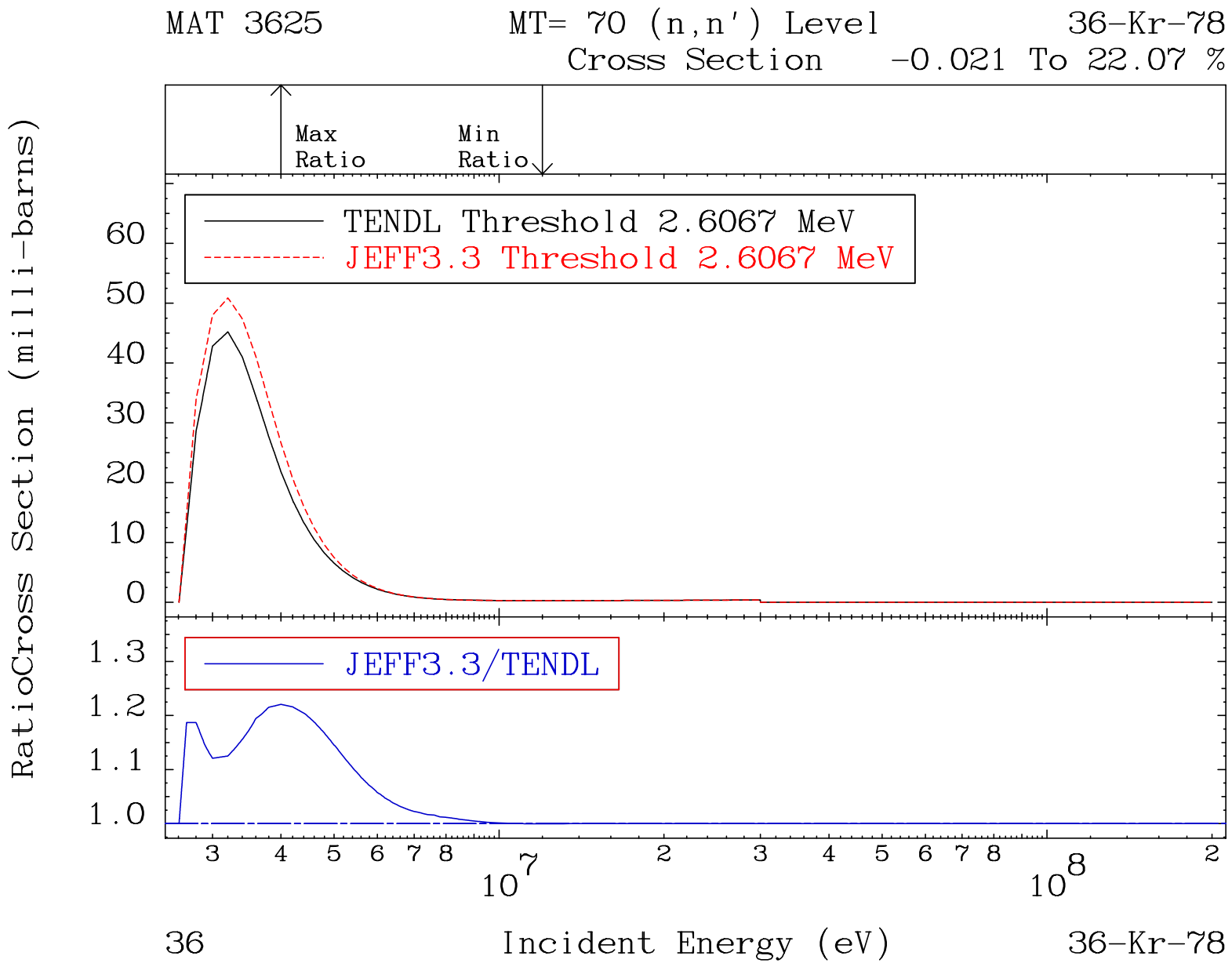

MAT 3625
MT= 65 (n,n') Level
36-Kr-78
Cross Section 0.000 To 19.38 %
Max Ratio
Min Ratio
TENDL Threshold 2.4301 MeV
JEFF3.3 Threshold 2.4301 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.3
1.2
1.1
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
36-Kr-78

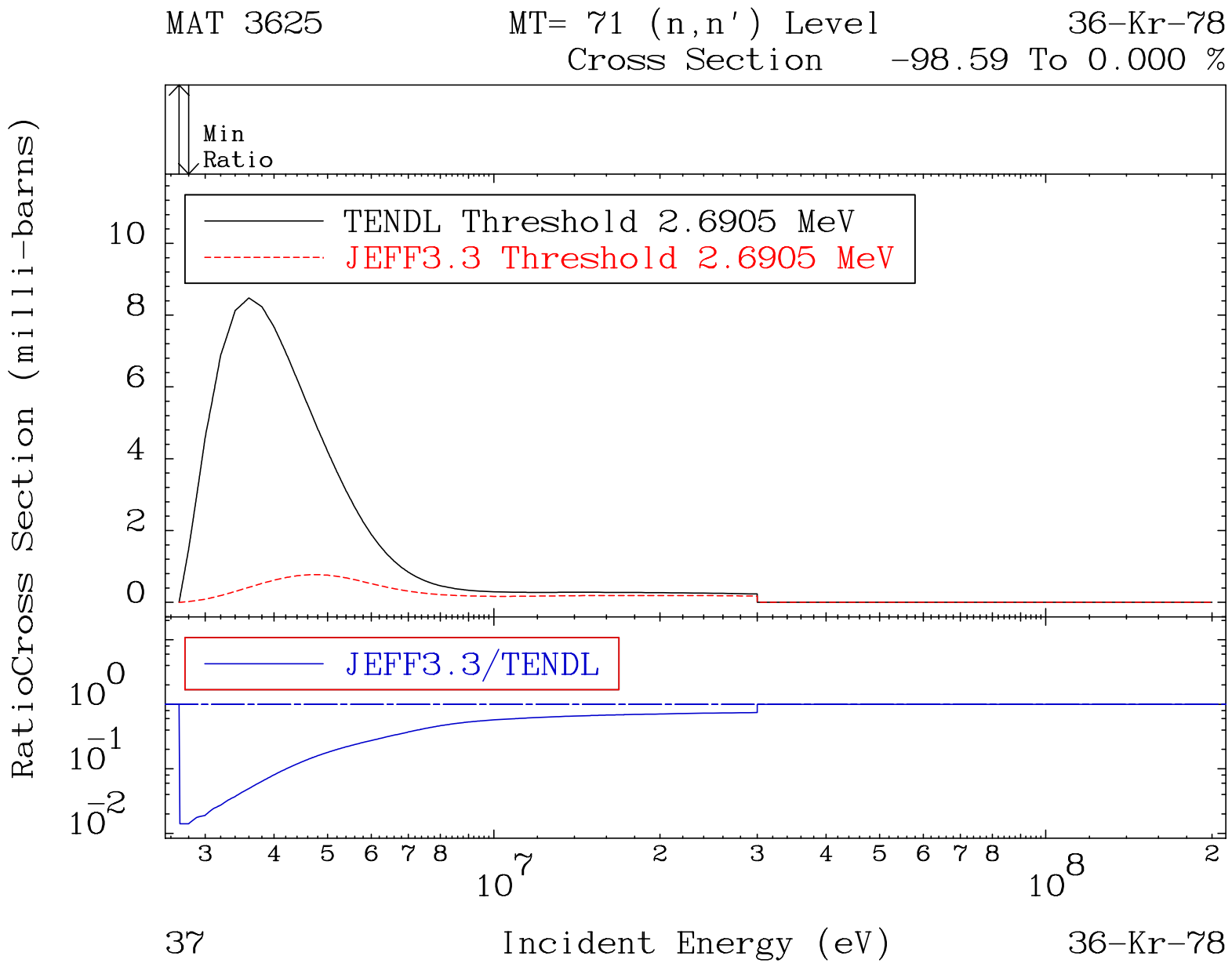

MAT 3625
MT= 66 (n,n') Level
36-Kr-78
Cross Section -0.025 To 22.13 %
Max Ratio
Min Ratio
TENDL Threshold 2.4447 MeV
JEFF3.3 Threshold 2.4447 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.3
1.2
1.1
1.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
36-Kr-78

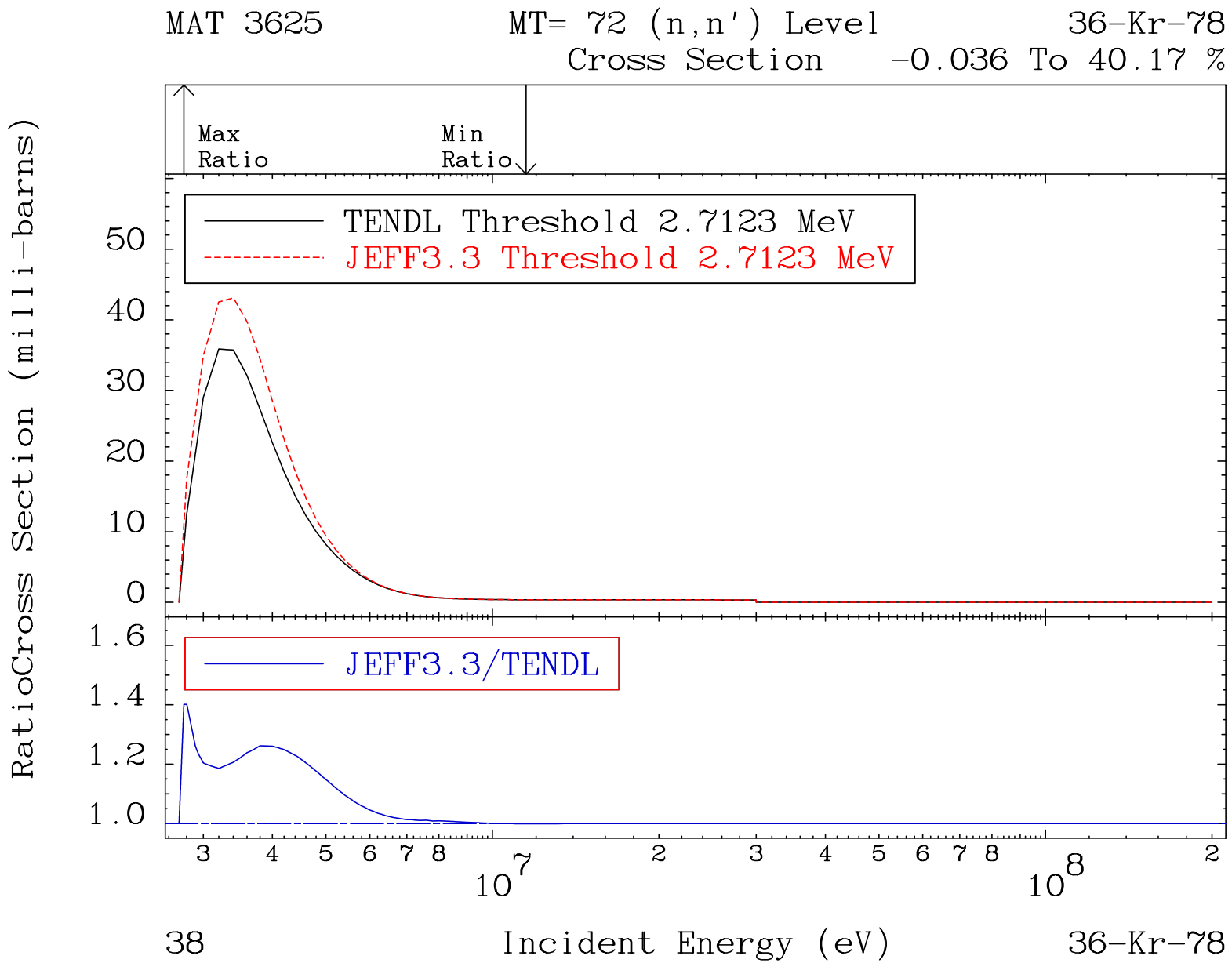

MAT 3625
MT= 67 (n,n') Level
36-Kr-78
Cross Section -100.0 To 17.79 %
Max Ratio
Min Ratio
TENDL Threshold 2.4750 MeV
JEFF3.3 Threshold 2.4750 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^{0}
10^{-4}
10^{-8}
3 4 5 6 7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
33
Incident Energy (eV)
36-Kr-78

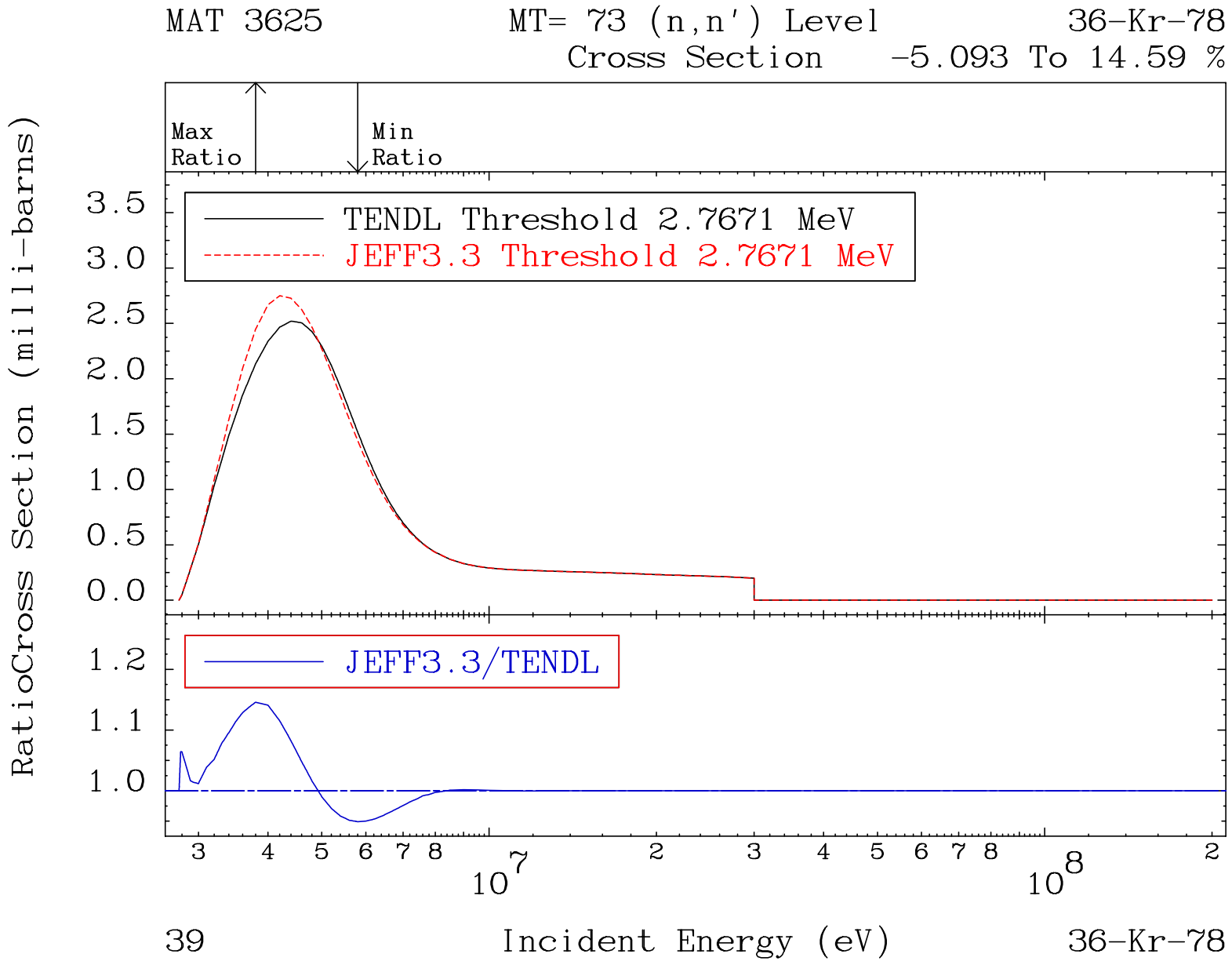

MAT 3625
MT= 68 (n,n') Level
36-Kr-78
Cross Section -0.044 To 33.29 %
Max Ratio
Min Ratio
TENDL Threshold 2.5040 MeV
JEFF3.3 Threshold 2.5040 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.4
1.2
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
36-Kr-78

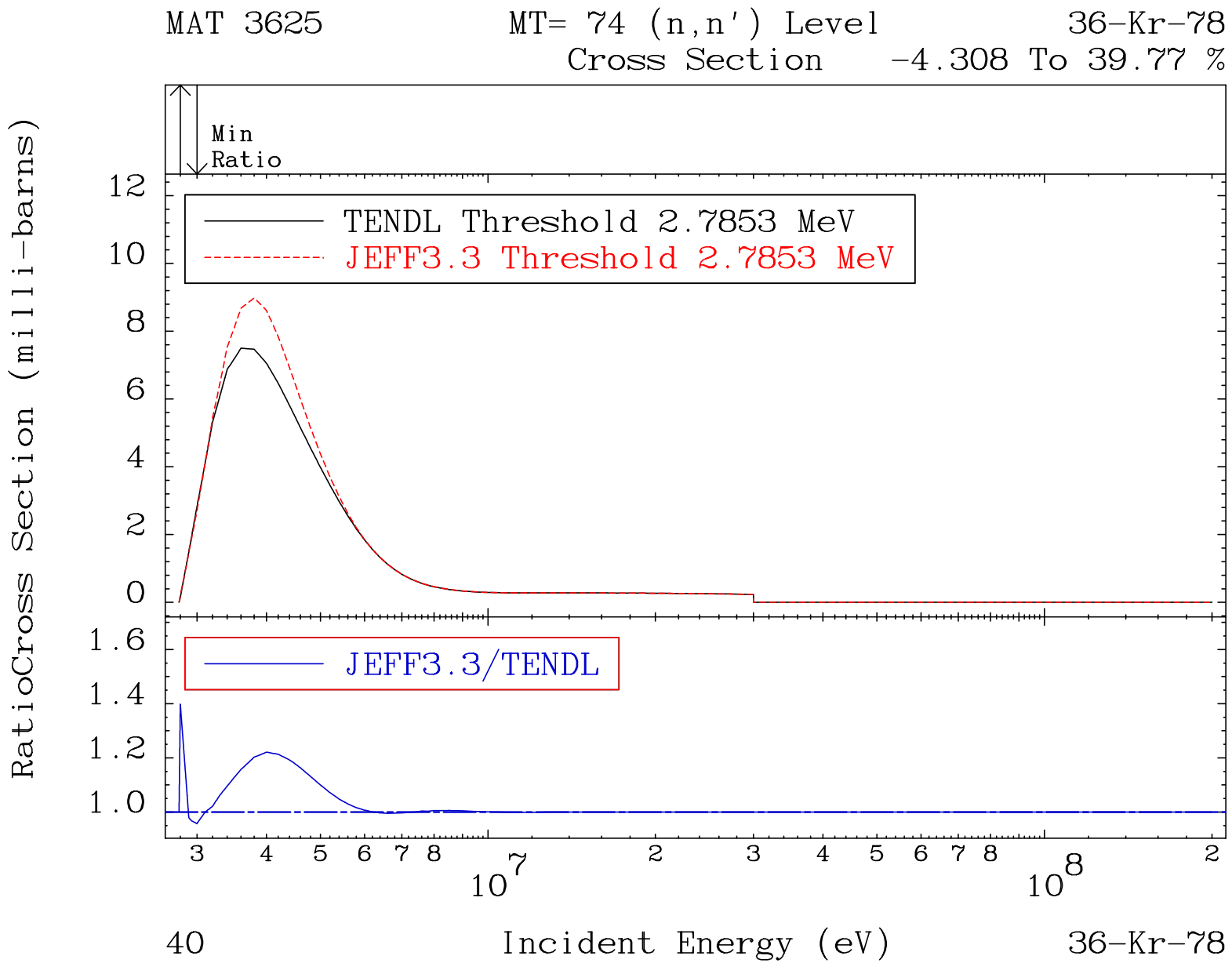

MAT 3625
MT= 69 (n,n') Level
36-Kr-78
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5405 MeV
JEFF3.3 Threshold 2.5405 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
12
8
4
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
36-Kr-78

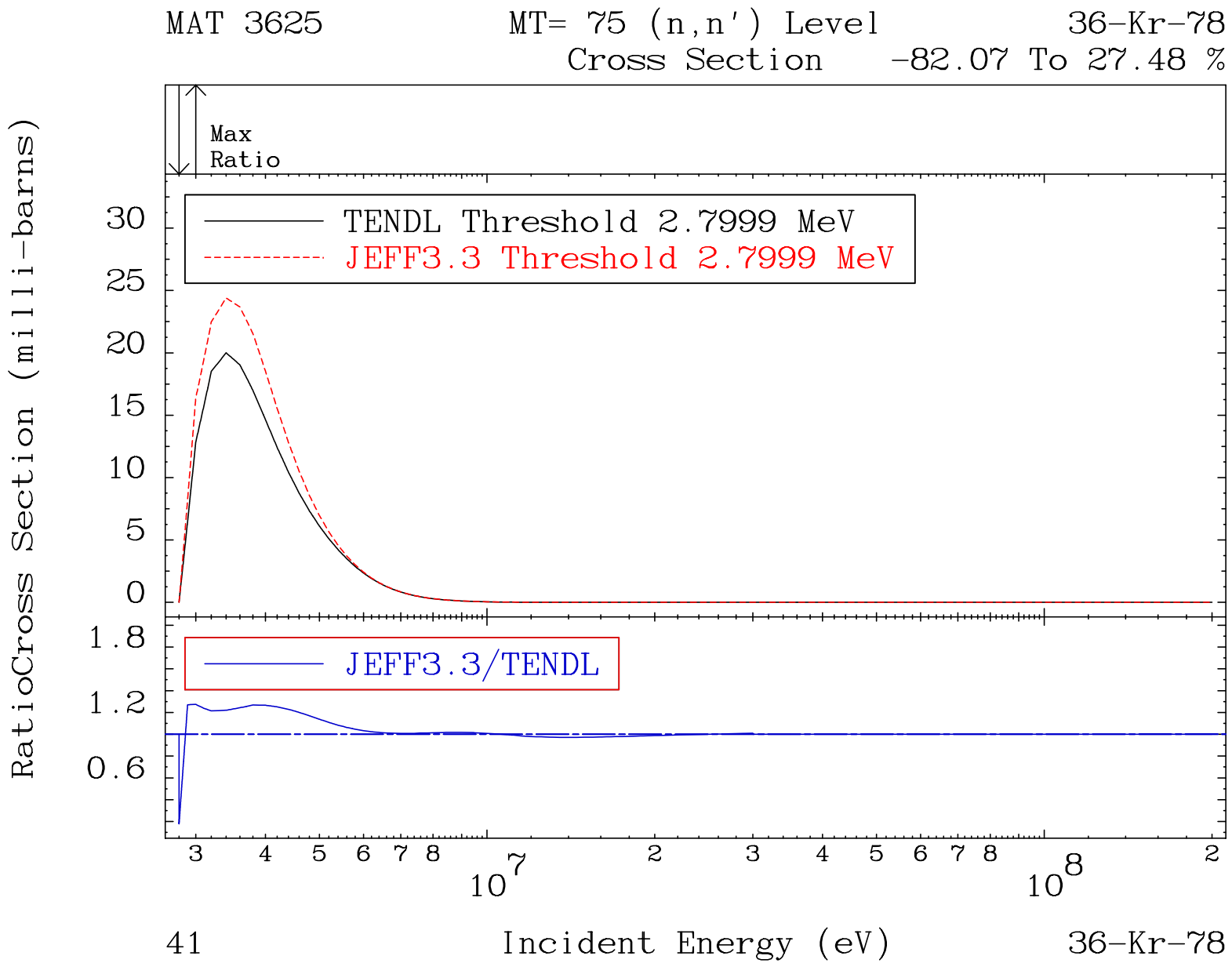

MAT 3625
MT= 70 (n,n') Level
36-Kr-78
Cross Section -0.021 To 22.07 %
Max Ratio
Min Ratio
TENDL Threshold 2.6067 MeV
JEFF3.3 Threshold 2.6067 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.3
1.2
1.1
1.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
36-Kr-78

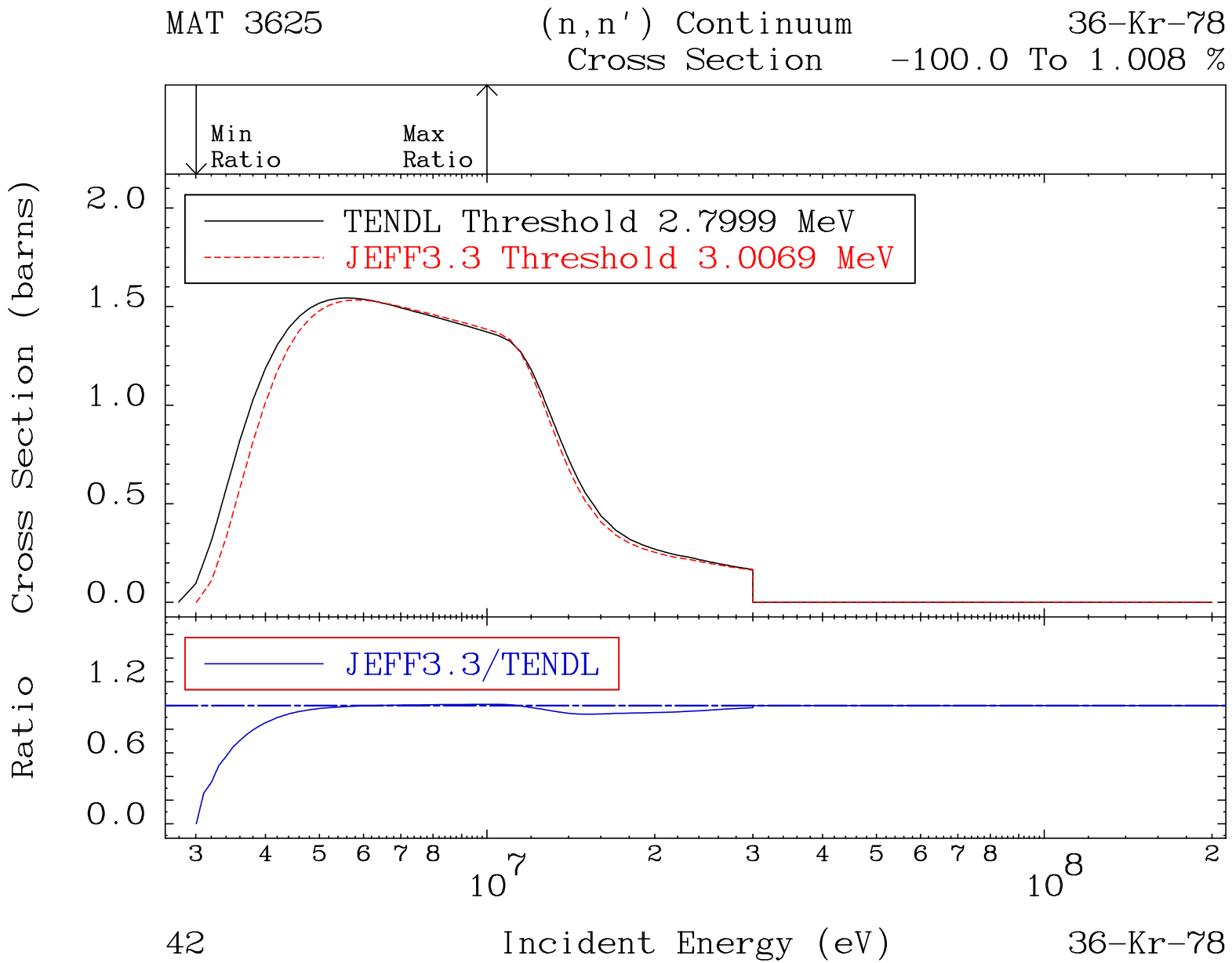

MAT 3625
MT= 71 (n,n') Level
36-Kr-78
Cross Section -98.59 To 0.000 %
Min
Ratio
TENDL Threshold 2.6905 MeV
JEFF3.3 Threshold 2.6905 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
37
36-Kr-78

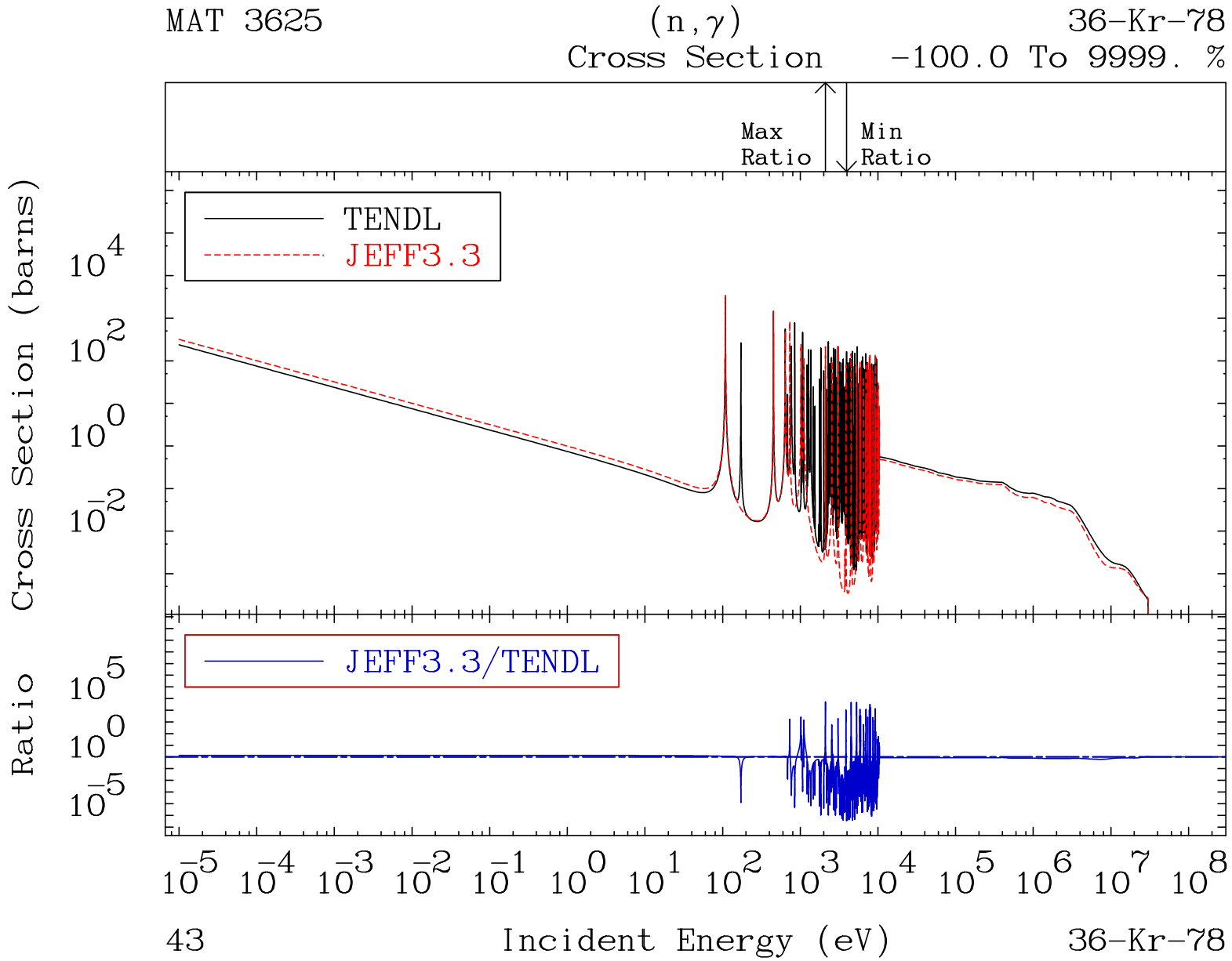

MAT 3625
MT= 72 (n,n') Level
36-Kr-78
Cross Section
-0.036 To 40.17 %
Max Ratio
Min Ratio
TENDL Threshold 2.7123 MeV
JEFF3.3 Threshold 2.7123 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.6
1.4
1.2
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
38
Incident Energy (eV)
36-Kr-78

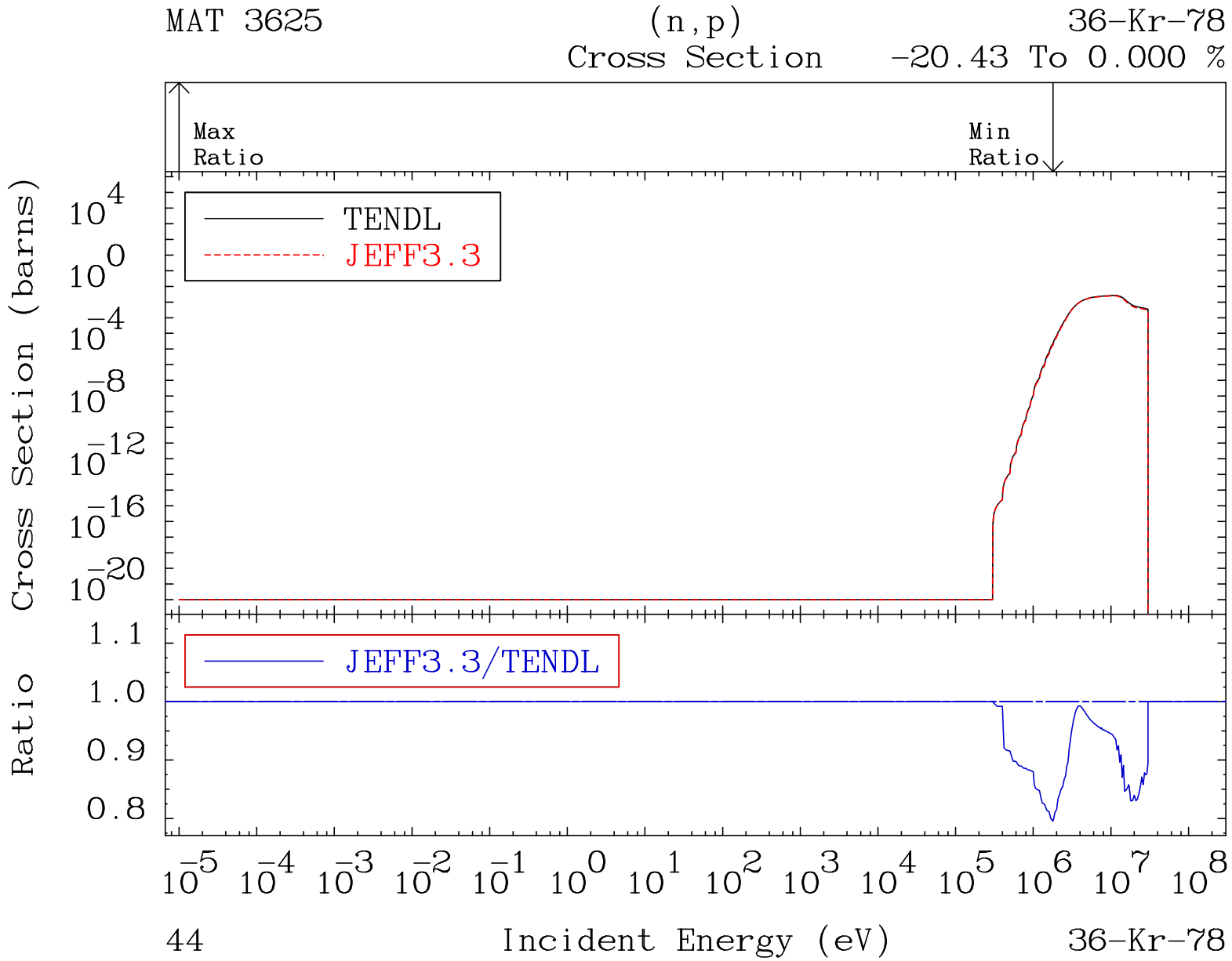

MAT 3625
MT= 73 (n,n') Level
36-Kr-78
Cross Section -5.093 To 14.59 %
Max Ratio
Min Ratio
TENDL Threshold 2.7671 MeV
JEFF3.3 Threshold 2.7671 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
39
36-Kr-78

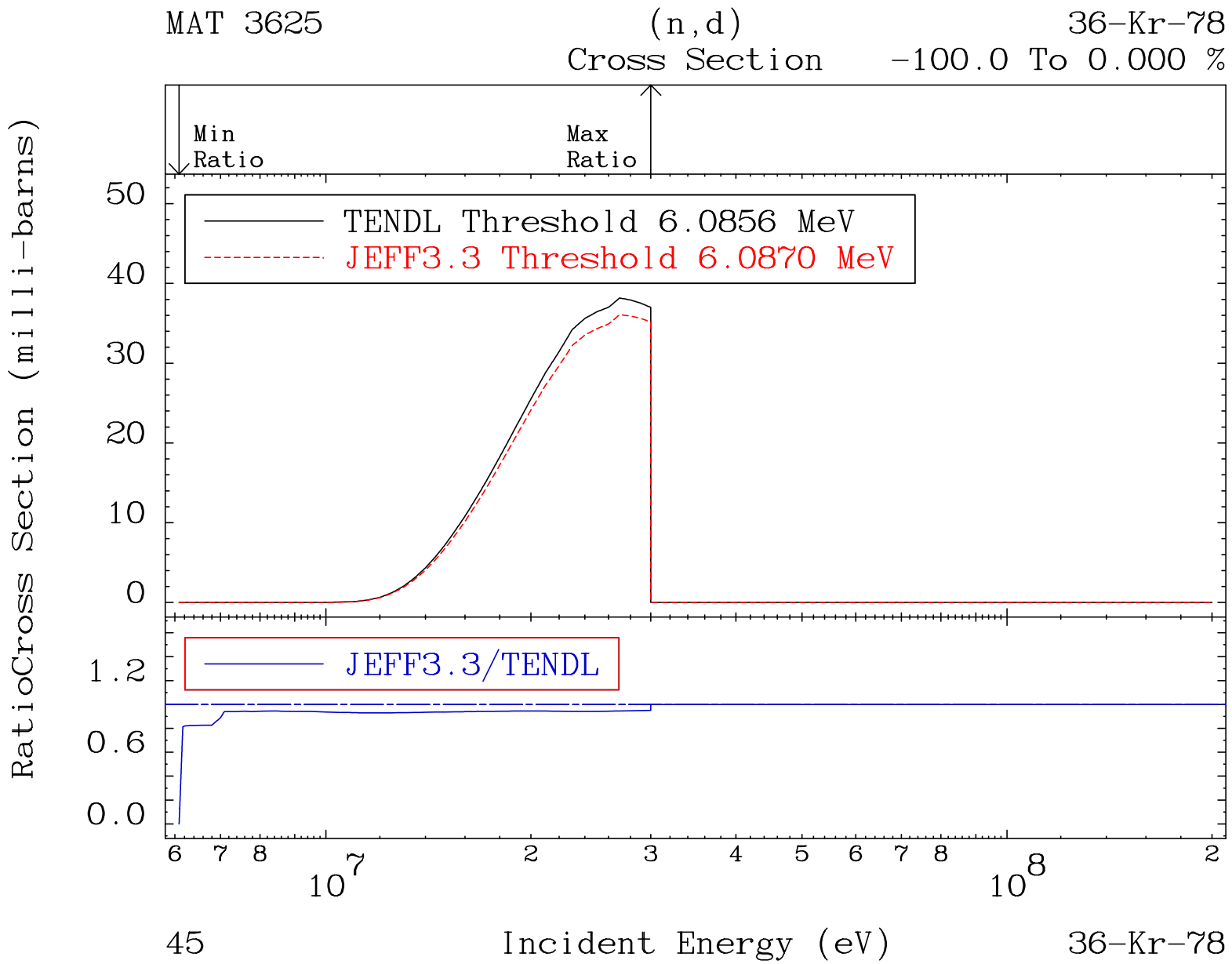

MAT 3625
MT= 74 (n,n') Level
36-Kr-78
Cross Section -4.308 To 39.77 %
Min
Ratio
TENDL Threshold 2.7853 MeV
JEFF3.3 Threshold 2.7853 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.6
1.4
1.2
1.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
36-Kr-78

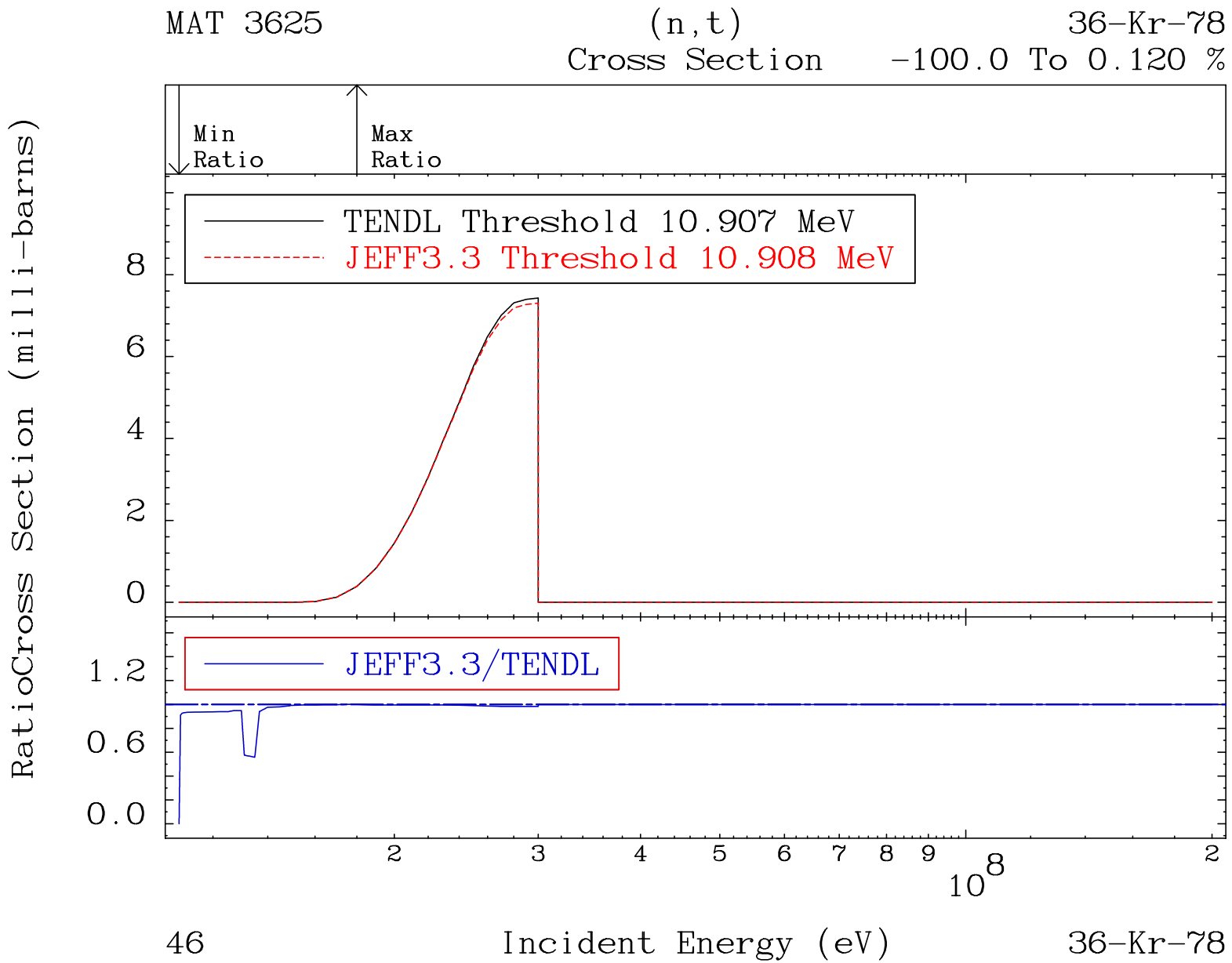

MAT 3625
MT= 75 (n,n') Level
36-Kr-78
Cross Section
-82.07 To 27.48 %
Max
Ratio
TENDL Threshold 2.7999 MeV
JEFF3.3 Threshold 2.7999 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.8
1.2
0.6
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
36-Kr-78

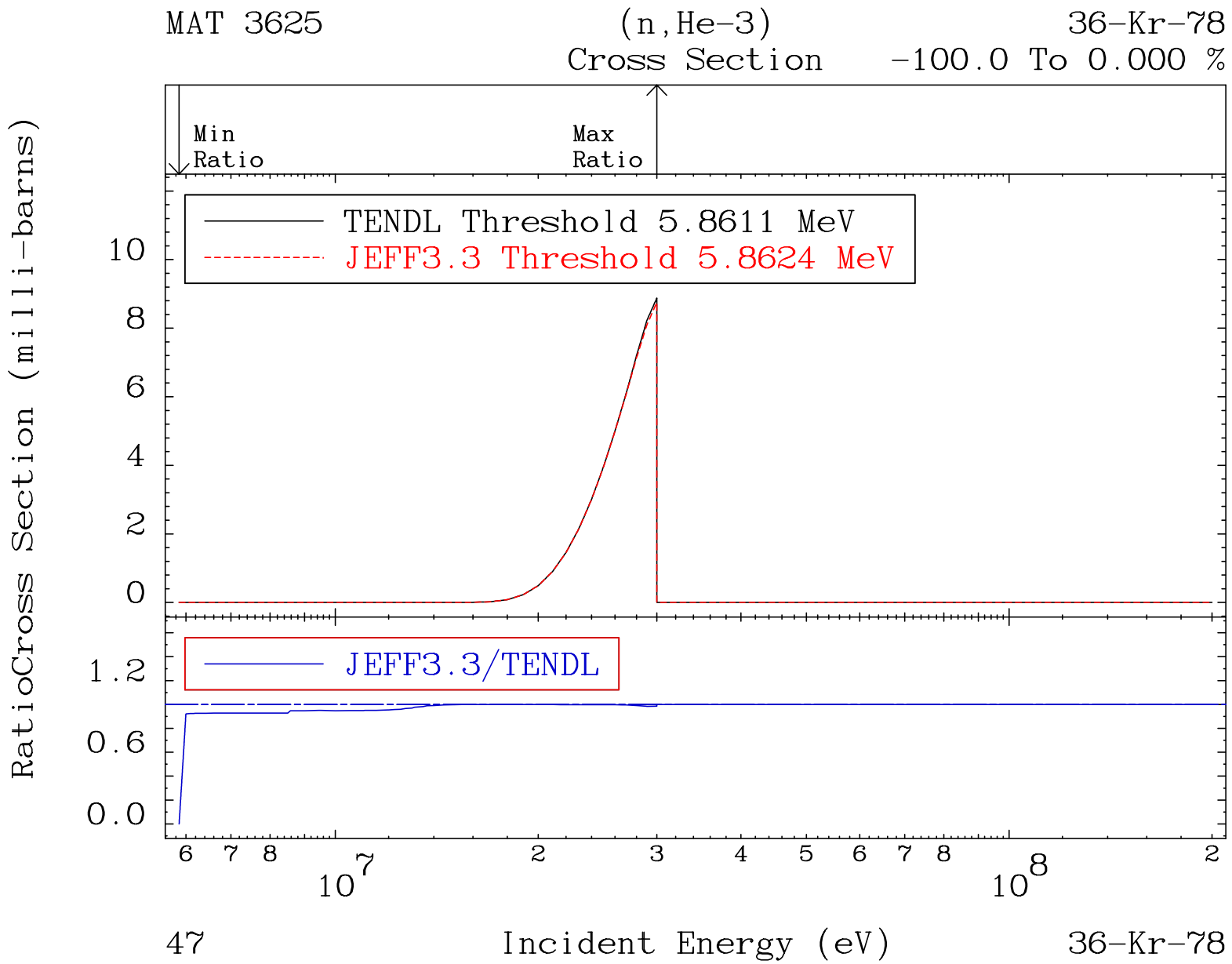

MAT 3625
(n,n') Continuum
Cross Section
36-Kr-78
-100.0 To 1.008 %
Min Ratio
Max Ratio
TENDL Threshold 2.7999 MeV
JEFF3.3 Threshold 3.0069 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
42
36-Kr-78

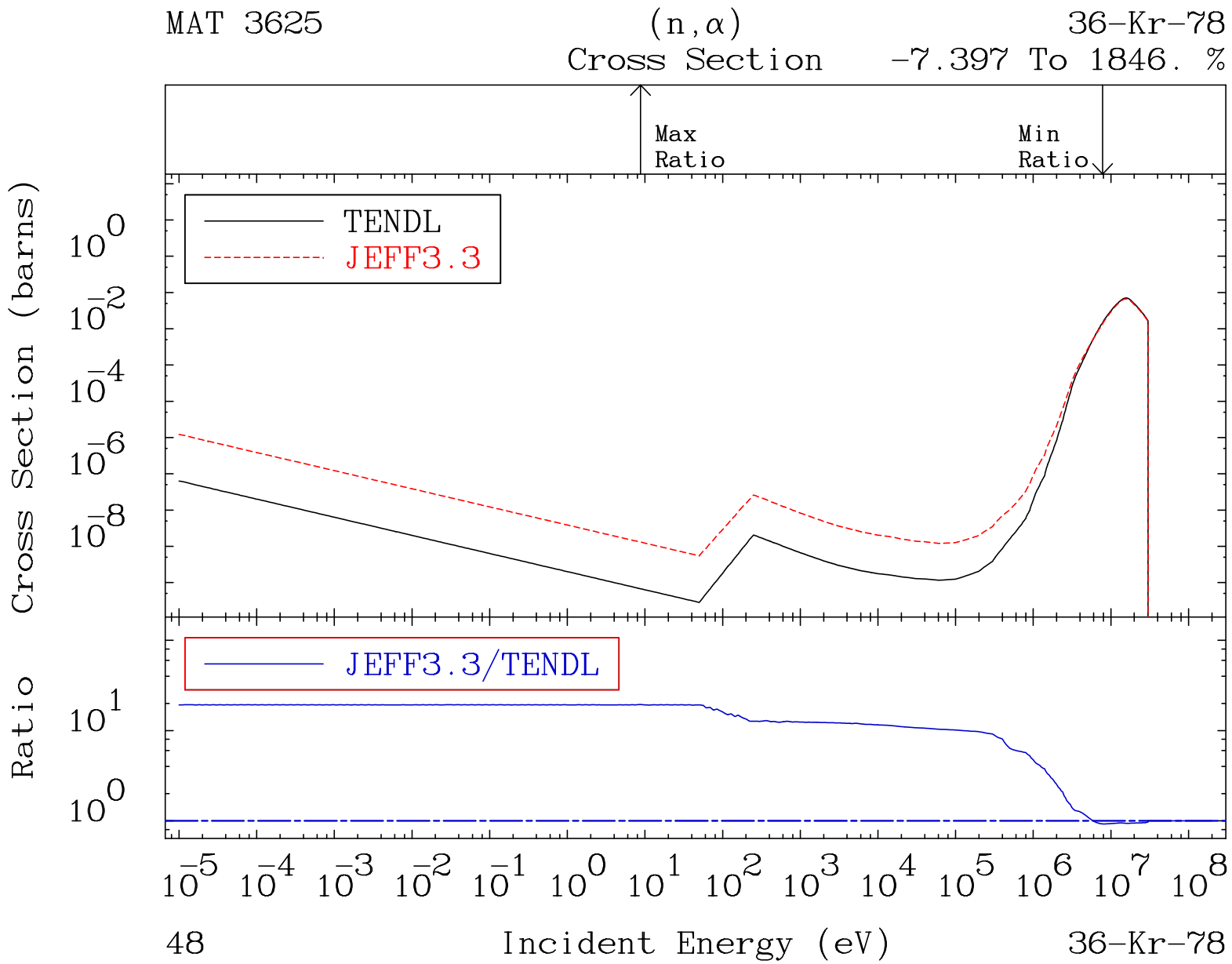

MAT 3625
(n,γ)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
36-Kr-78

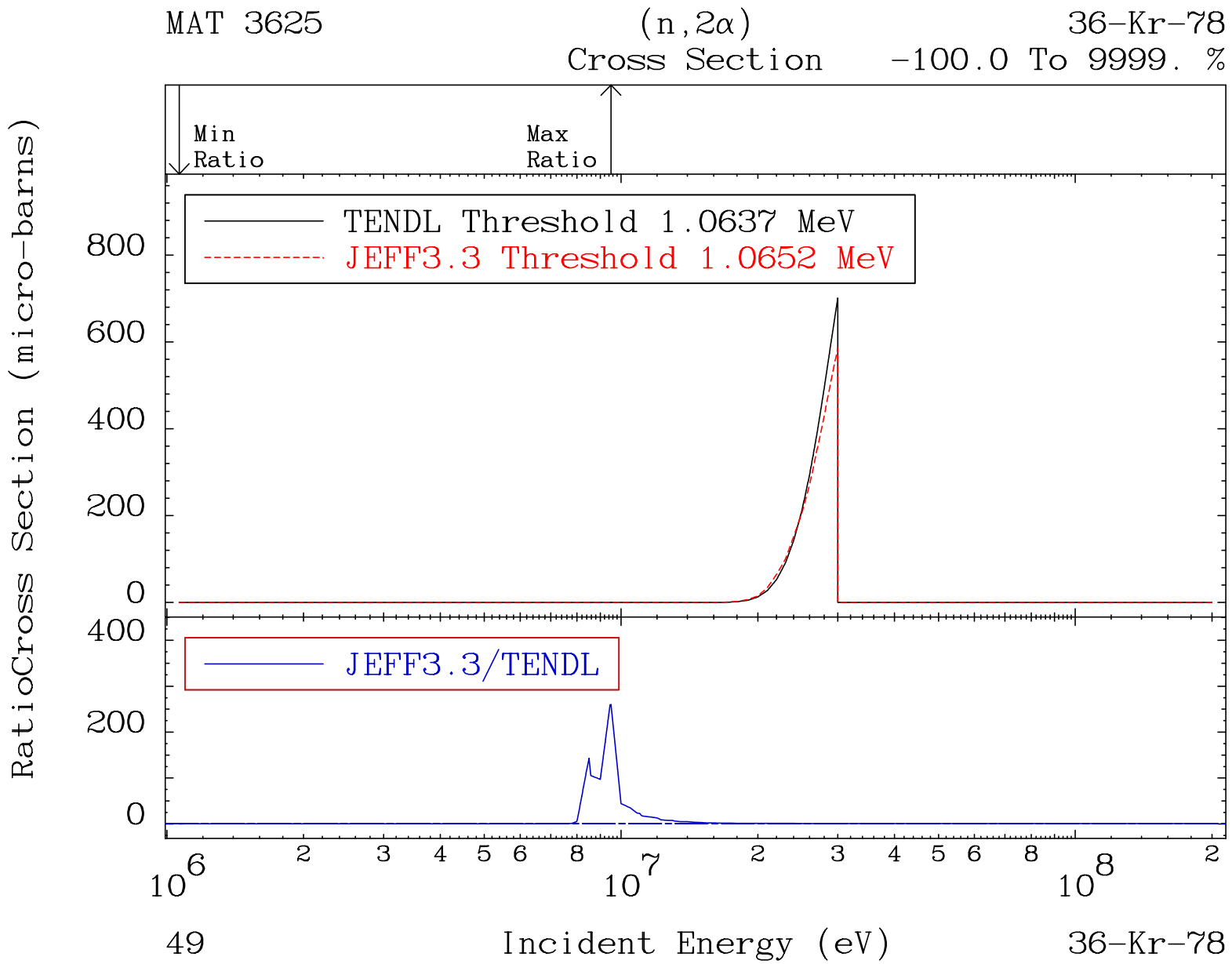

MAT 3625
(n,p)
Cross Section
36-Kr-78
-20.43 To 0.000 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
36-Kr-78

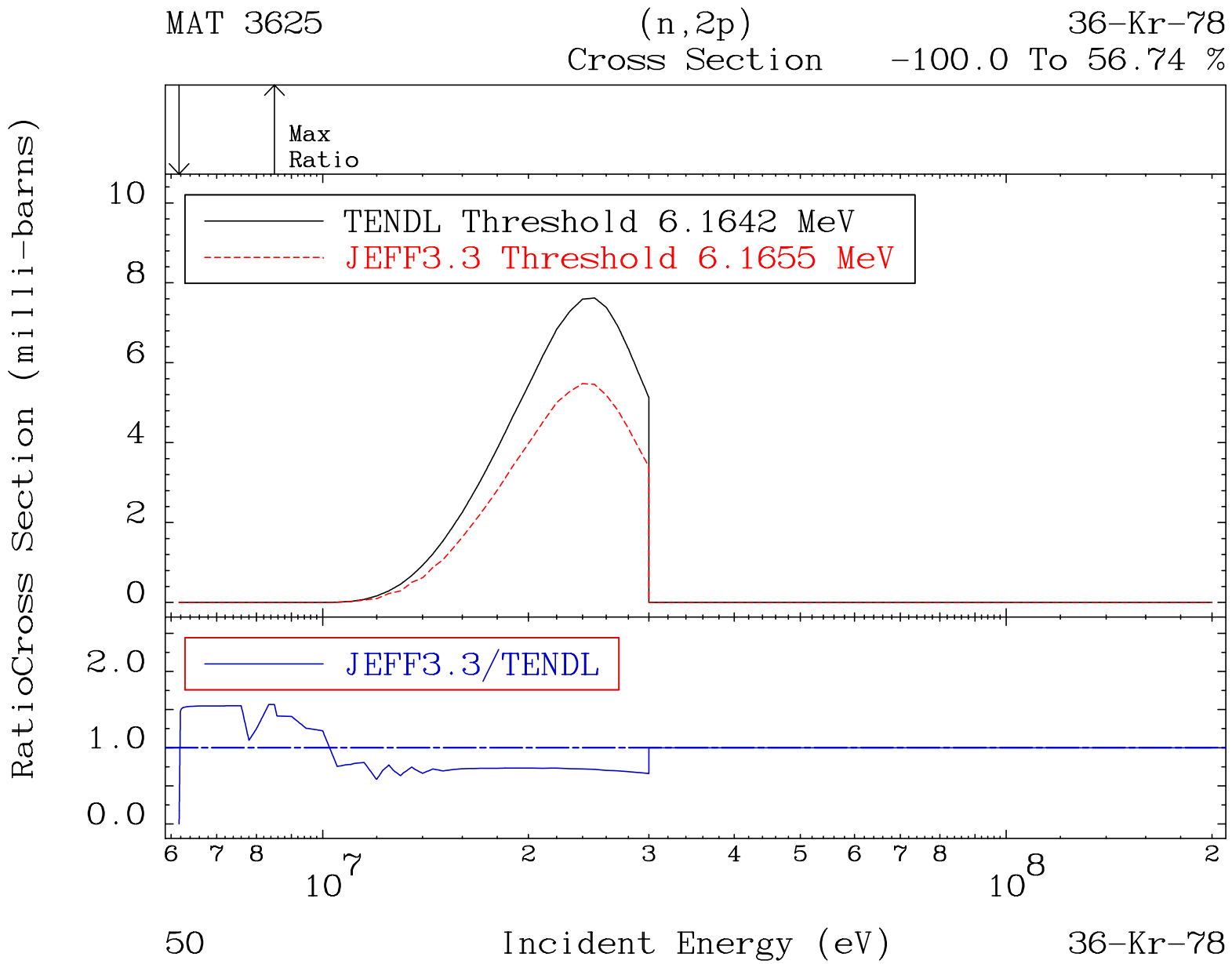

MAT 3625
(n,d)
36-Kr-78
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
36-Kr-78

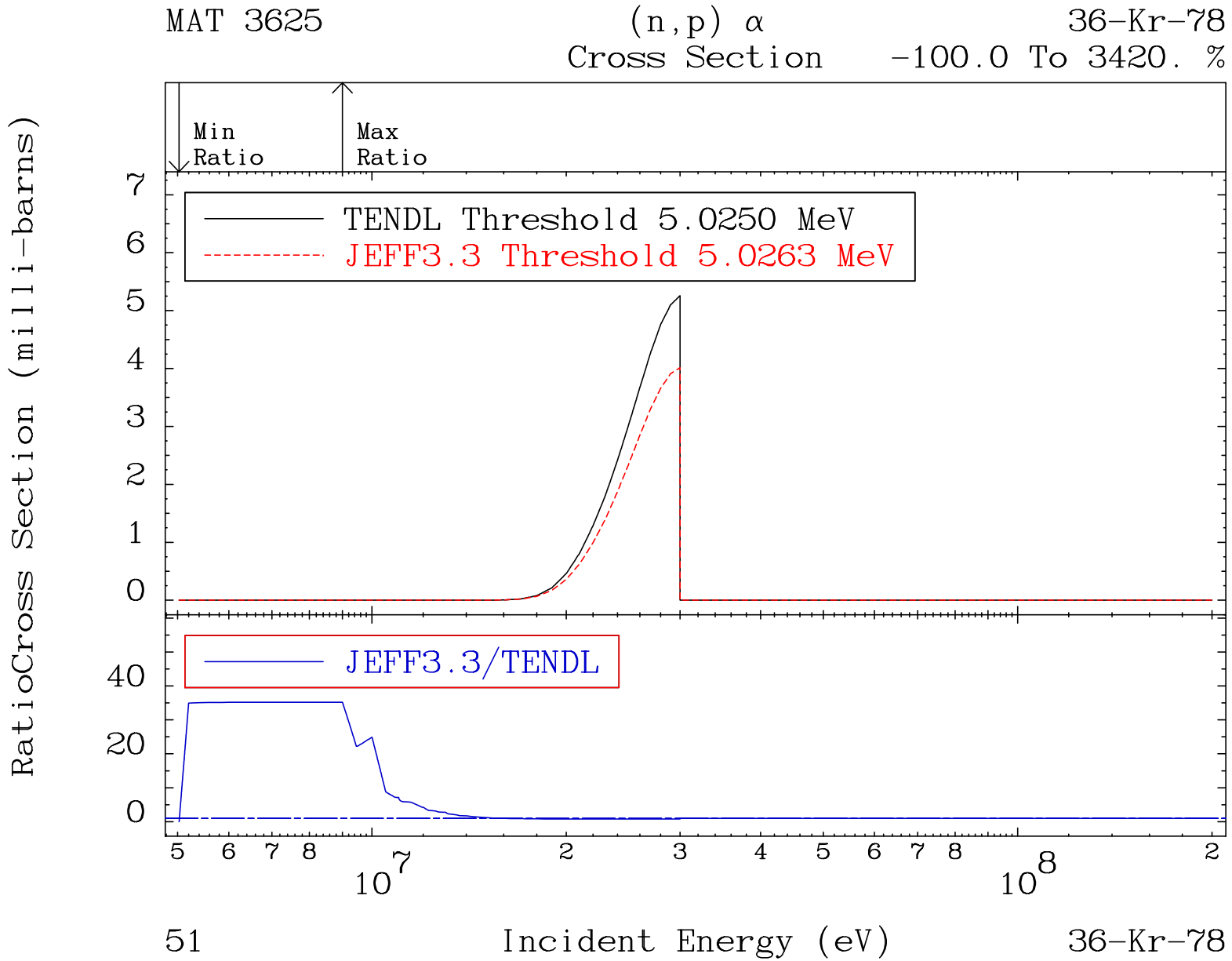

MAT 3625
(n,t)
36-Kr-78
Cross Section
-100.0 To 0.120 %
Min Ratio
Max Ratio
TENDL Threshold 10.907 MeV
JEFF3.3 Threshold 10.908 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
0.0
0.6
1.2
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
36-Kr-78

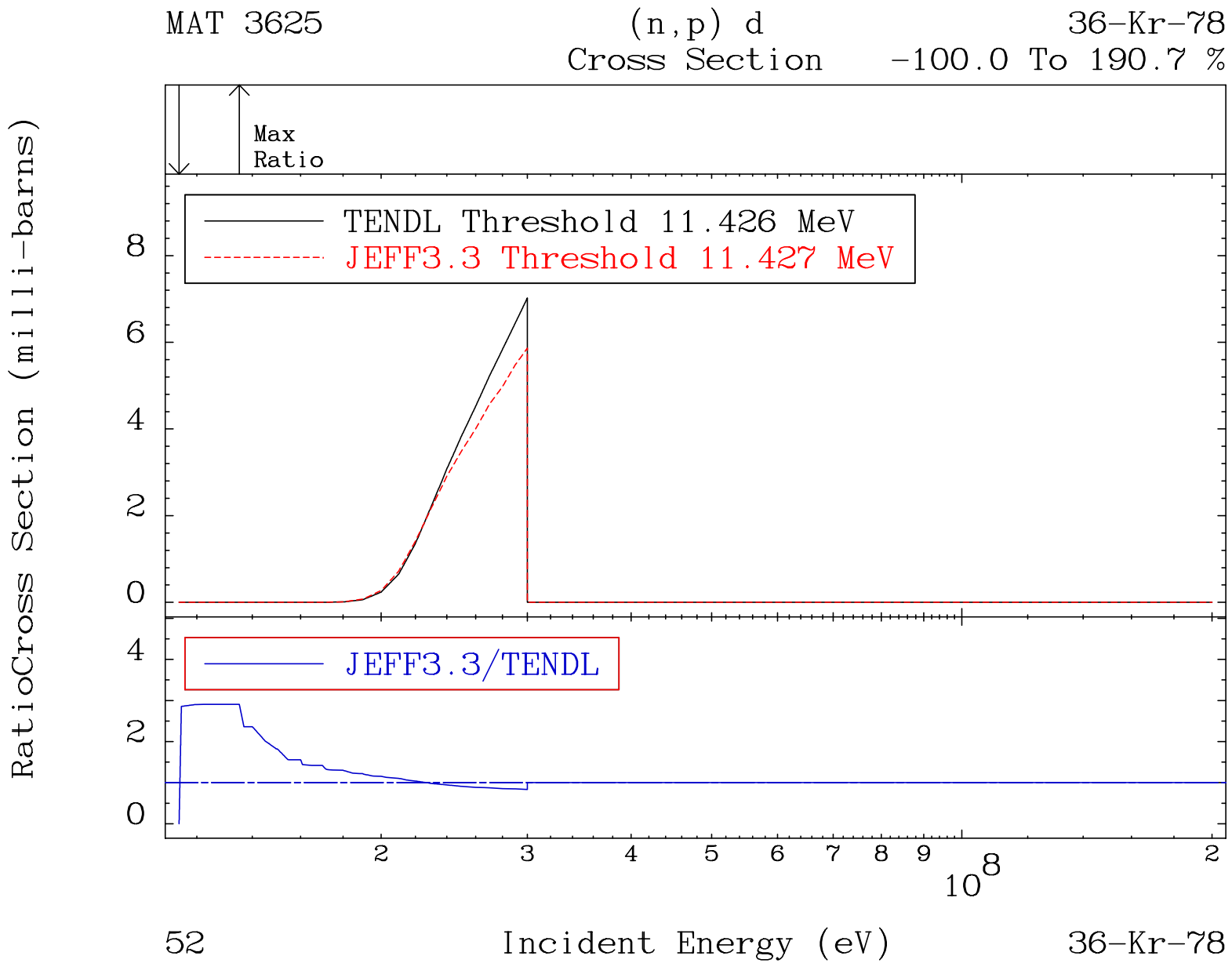

MAT 3625
(n,He-3)
Cross Section
36-Kr-78
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.8611 MeV
JEFF3.3 Threshold 5.8624 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
36-Kr-78

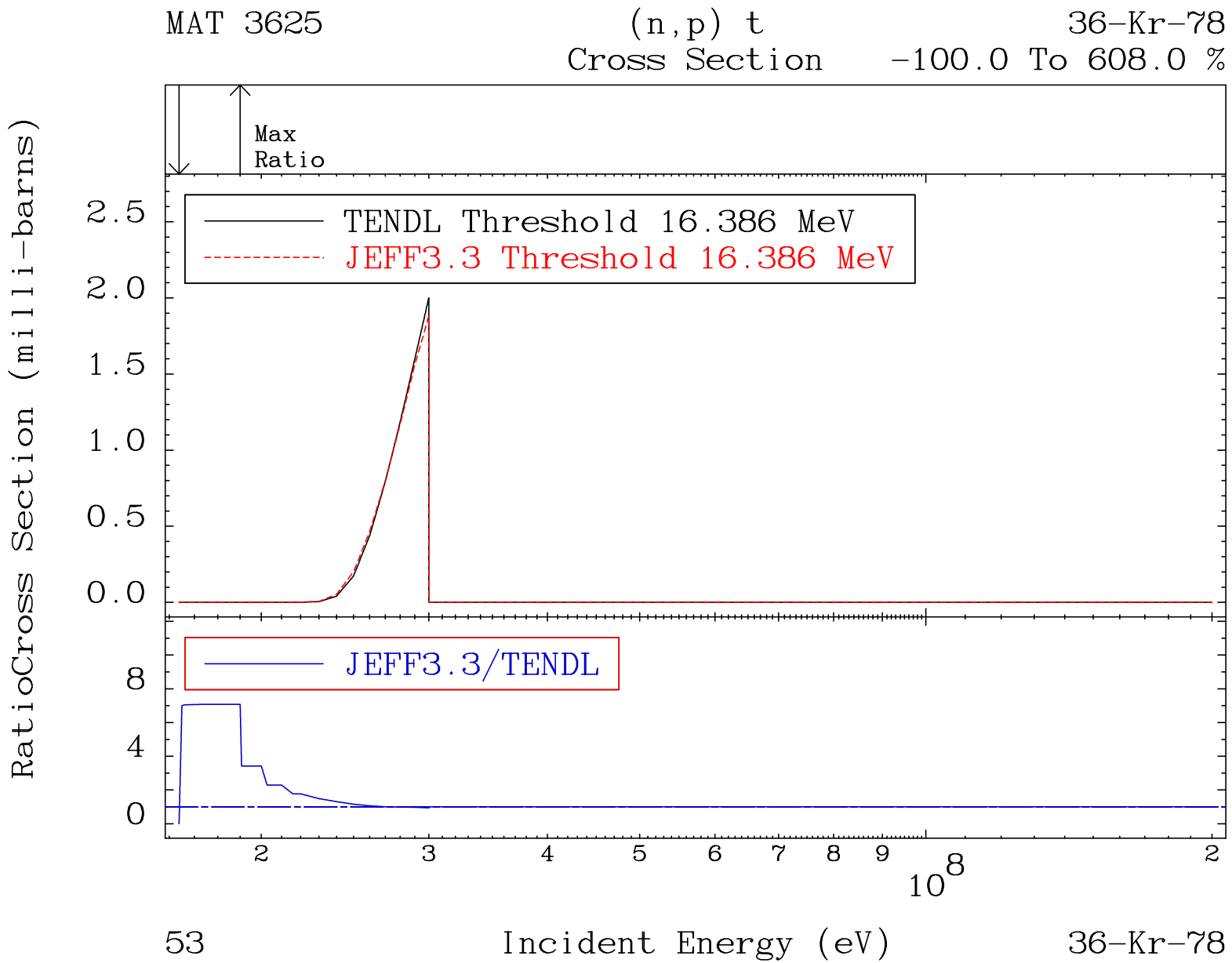

MAT 3625
(n,α)
36-Kr-78
Cross Section
-7.397 To 1846. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
36-Kr-78

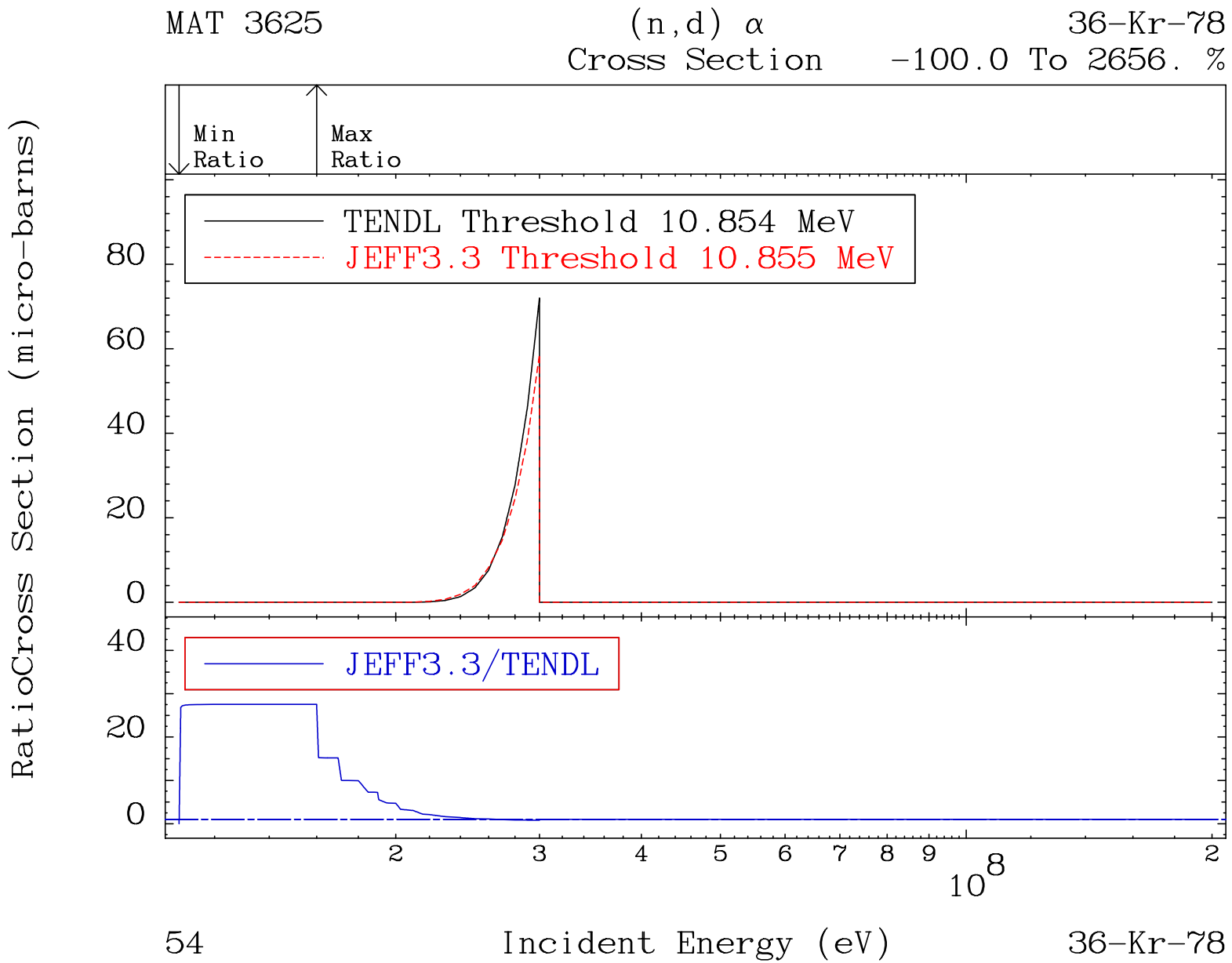

MAT 3625
(n,2α)
36-Kr-78
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0637 MeV
JEFF3.3 Threshold 1.0652 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
400
200
0
2 3 4 5 6 8
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
49
Incident Energy (eV)
36-Kr-78

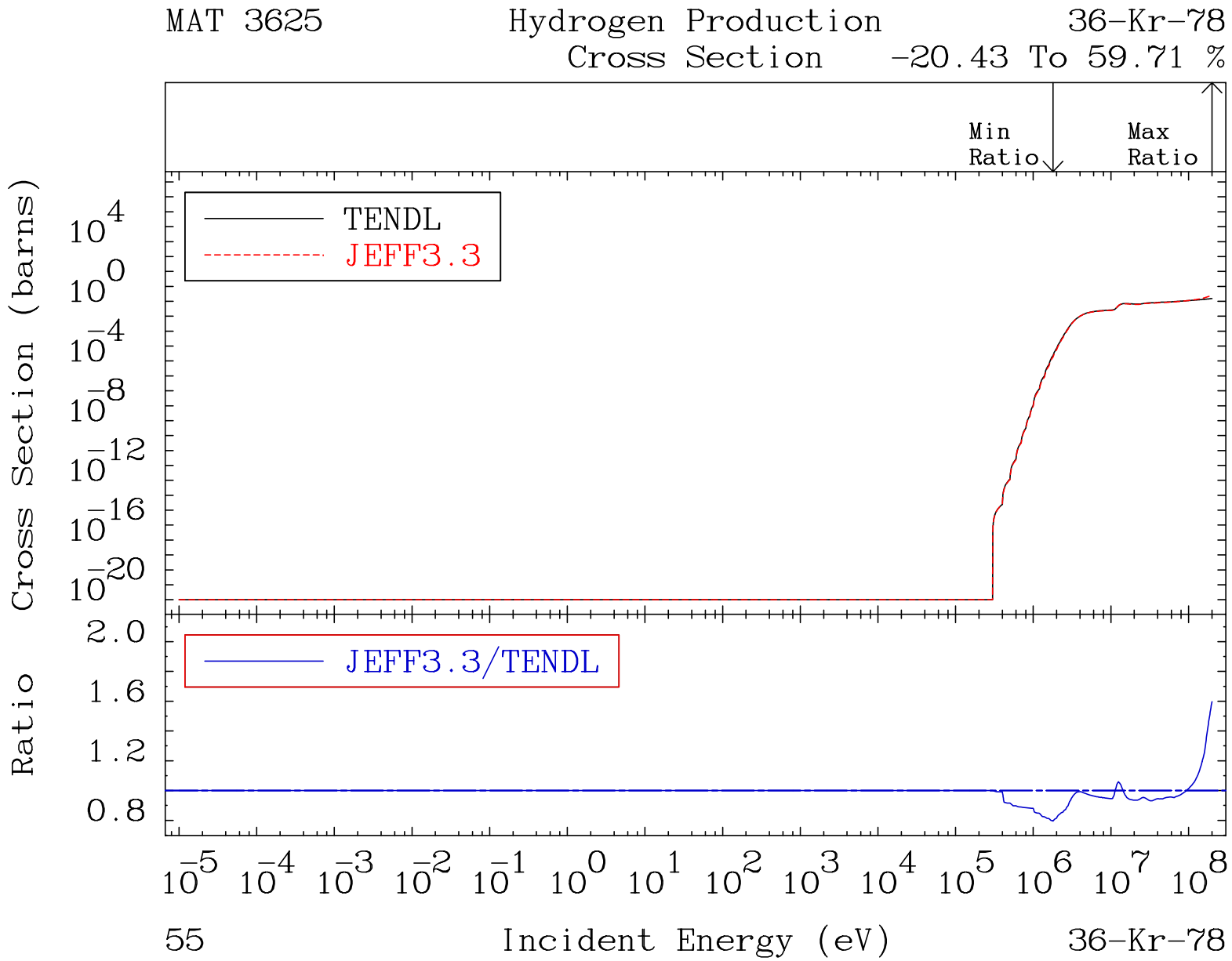

MAT 3625
(n,2p)
36-Kr-78
Cross Section
-100.0 To 56.74 %
Max
Ratio
TENDL Threshold 6.1642 MeV
JEFF3.3 Threshold 6.1655 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50
36-Kr-78

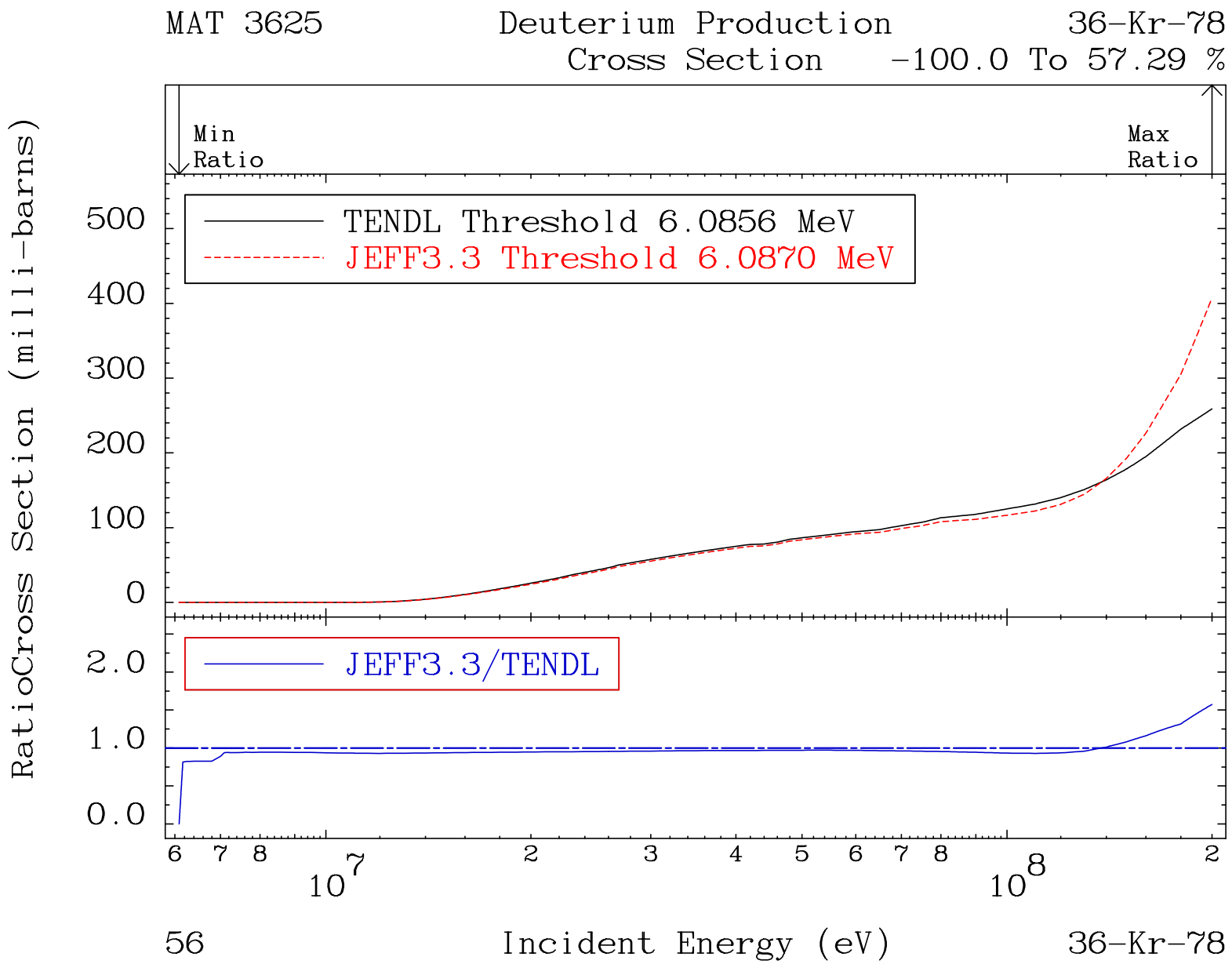

MAT 3625
(n,p) α
36-Kr-78
Cross Section
-100.0 To 3420. %
Min Ratio
Max Ratio
TENDL Threshold 5.0250 MeV
JEFF3.3 Threshold 5.0263 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
51
36-Kr-78

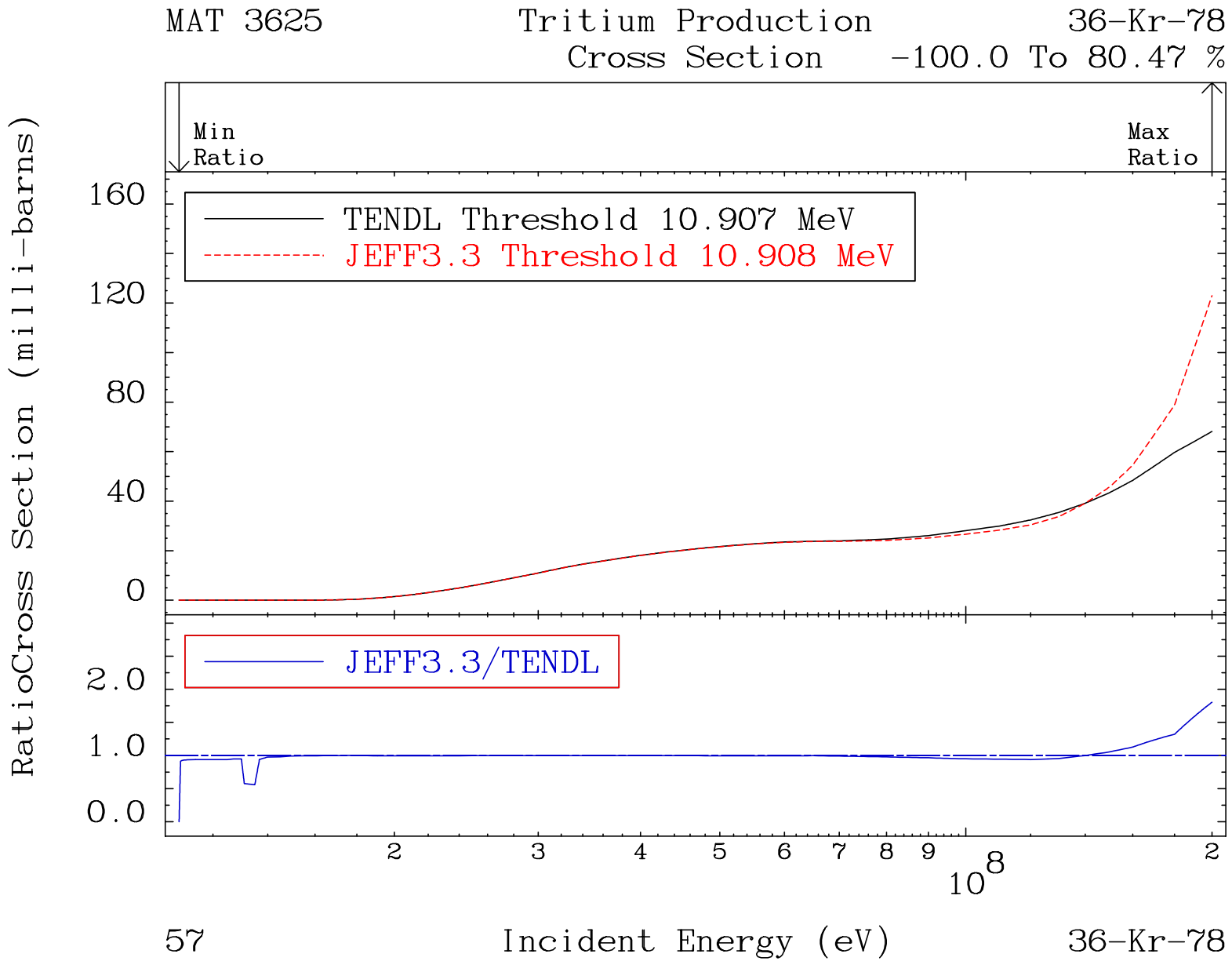

MAT 3625
(n,p) d
Cross Section
36-Kr-78
-100.0 To 190.7 %
Max
Ratio
TENDL Threshold 11.426 MeV
JEFF3.3 Threshold 11.427 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
0
2
4
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
36-Kr-78

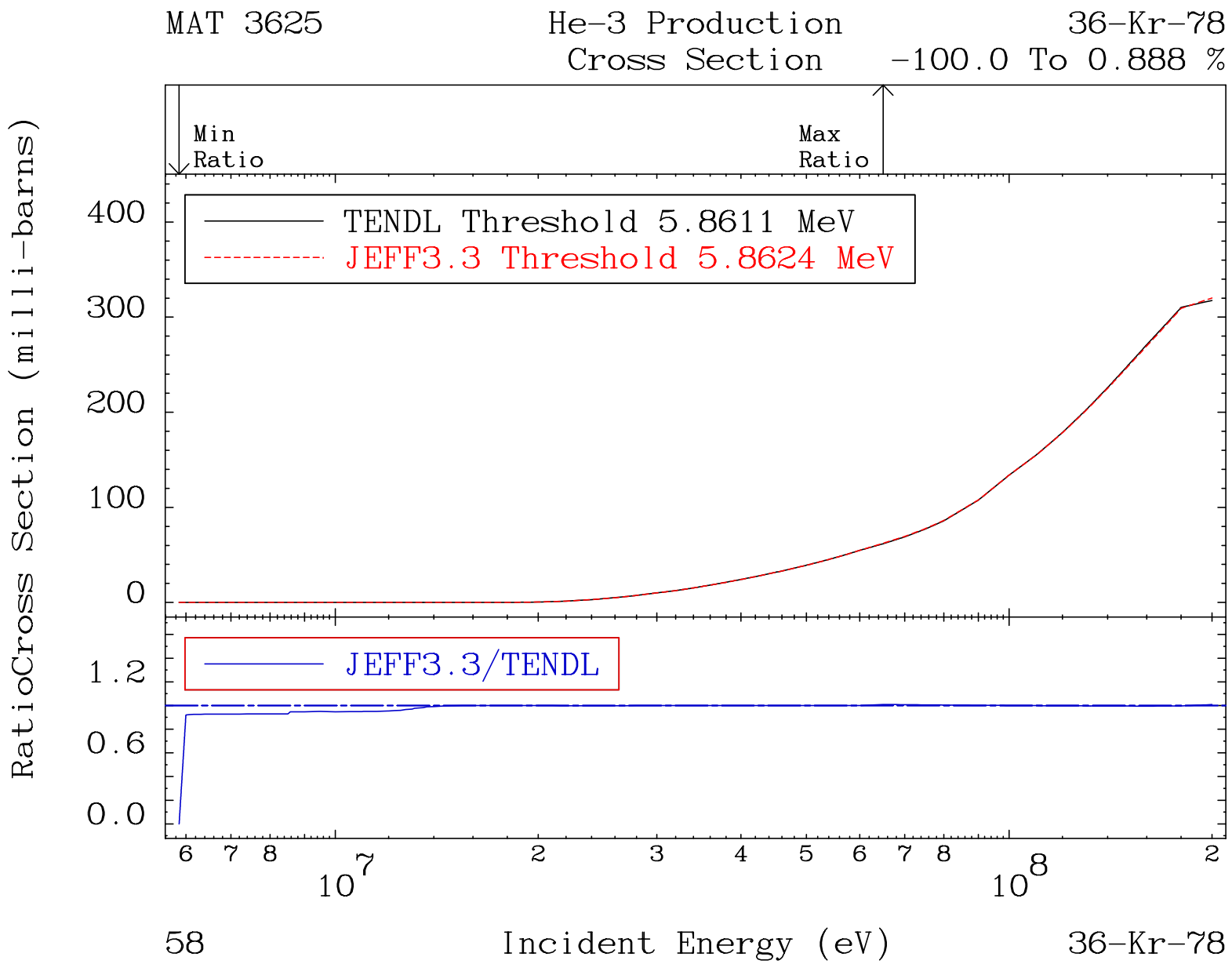

MAT 3625
(n,p) t
Cross Section
36-Kr-78
-100.0 To 608.0 %
Max
Ratio
TENDL Threshold 16.386 MeV
JEFF3.3 Threshold 16.386 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
36-Kr-78

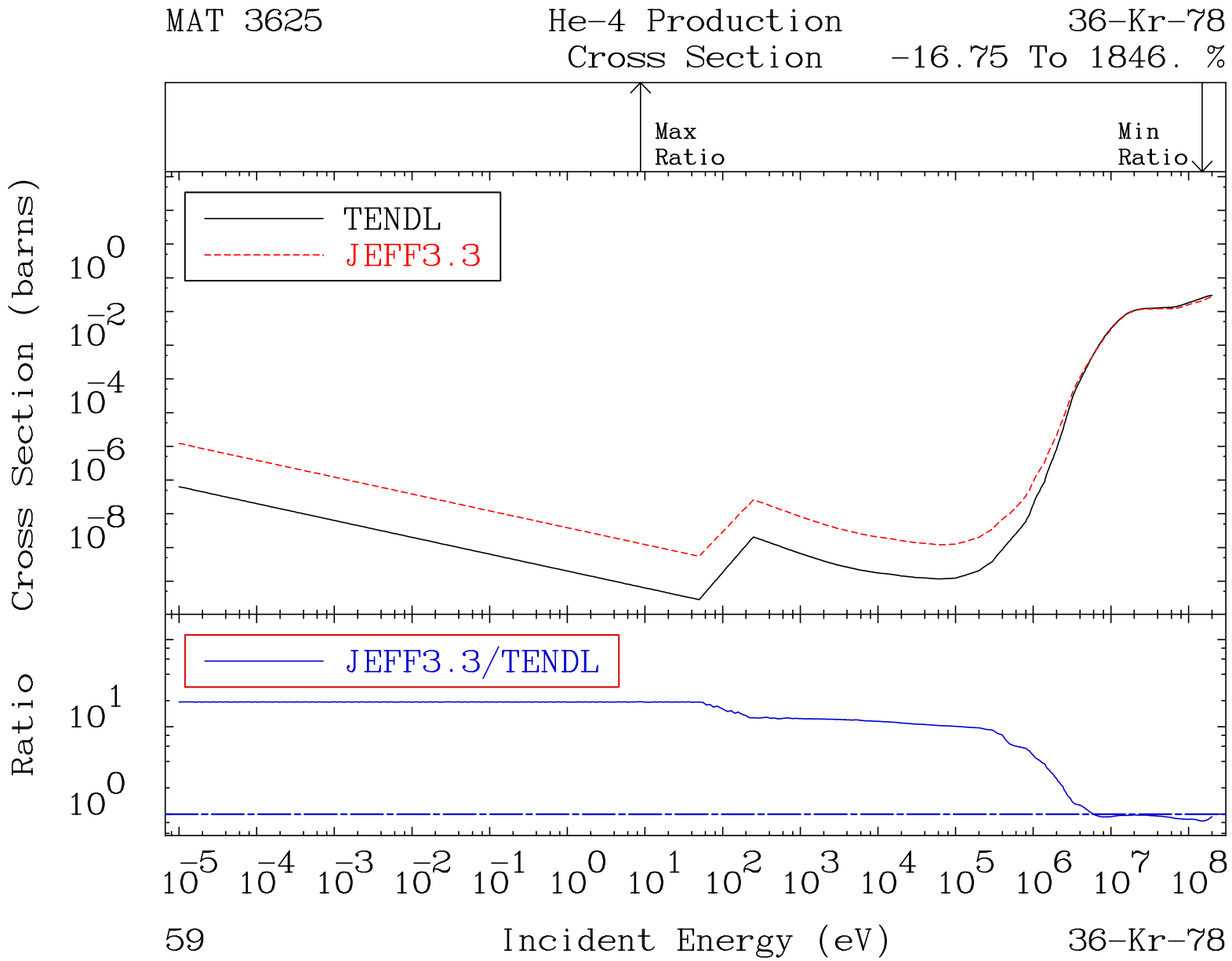

MAT 3625
(n,d) α
36-Kr-78
Cross Section
-100.0 To 2656. %
Min Ratio
Max Ratio
TENDL Threshold 10.854 MeV
JEFF3.3 Threshold 10.855 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
40
20
0
2
3
4
5
6
7
8
9
2
10^8
54
Incident Energy (eV)
36-Kr-78

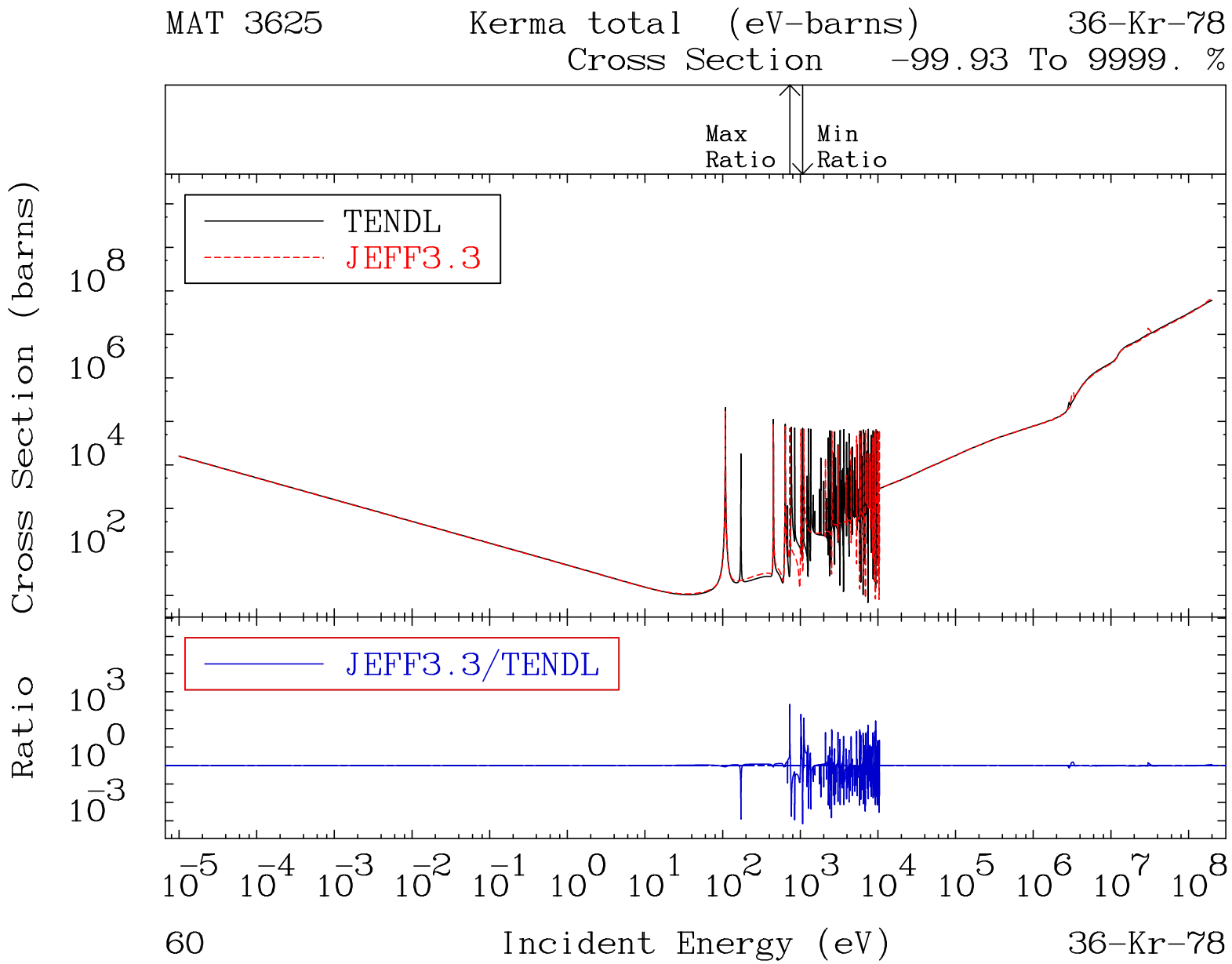

MAT 3625
Hydrogen Production
36-Kr-78
Cross Section
-20.43 To 59.71 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
36-Kr-78

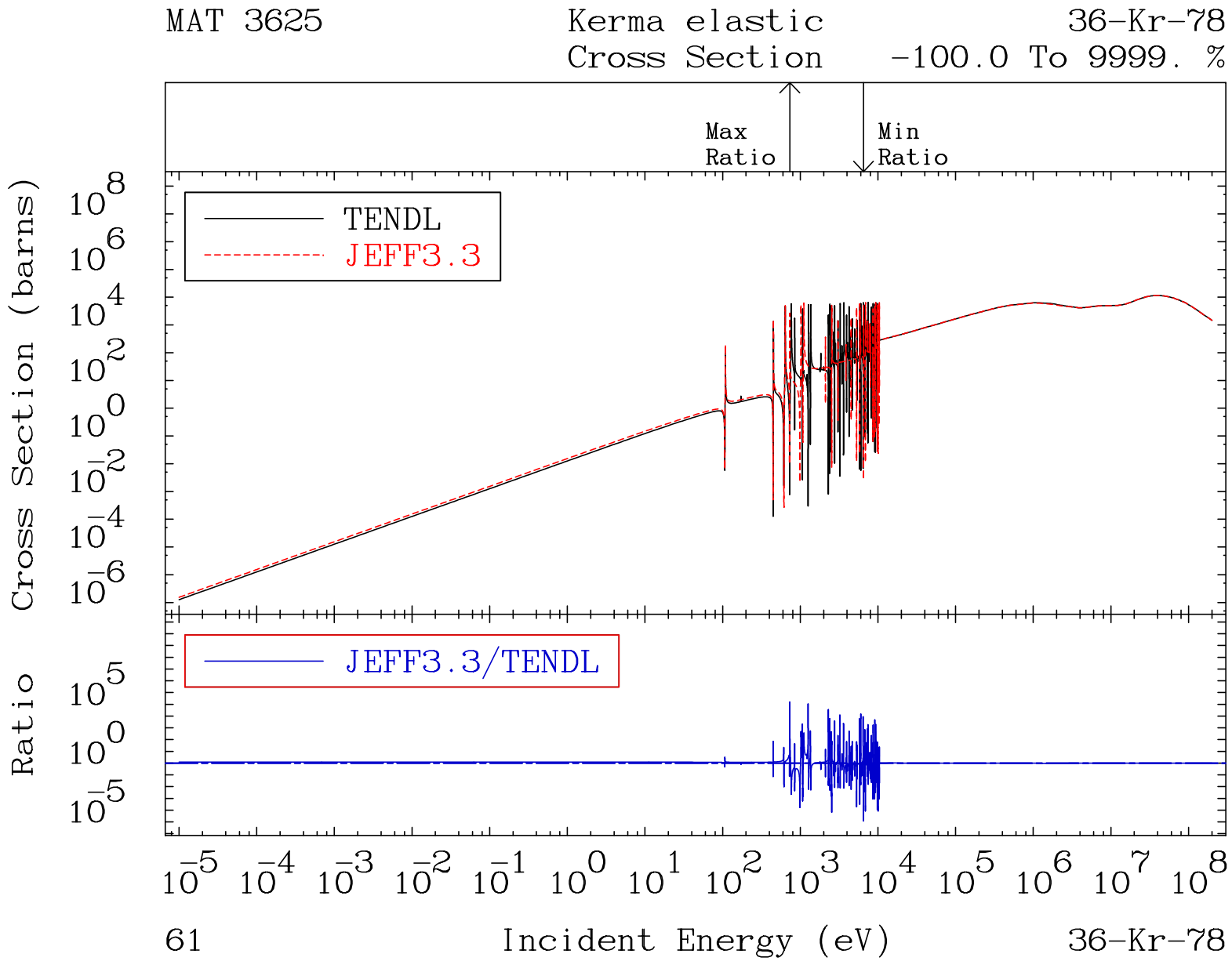

MAT 3625
Deuterium Production
36-Kr-78
Cross Section
-100.0 To 57.29 %
Min
Ratio
Max
Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
56
Incident Energy (eV)
36-Kr-78

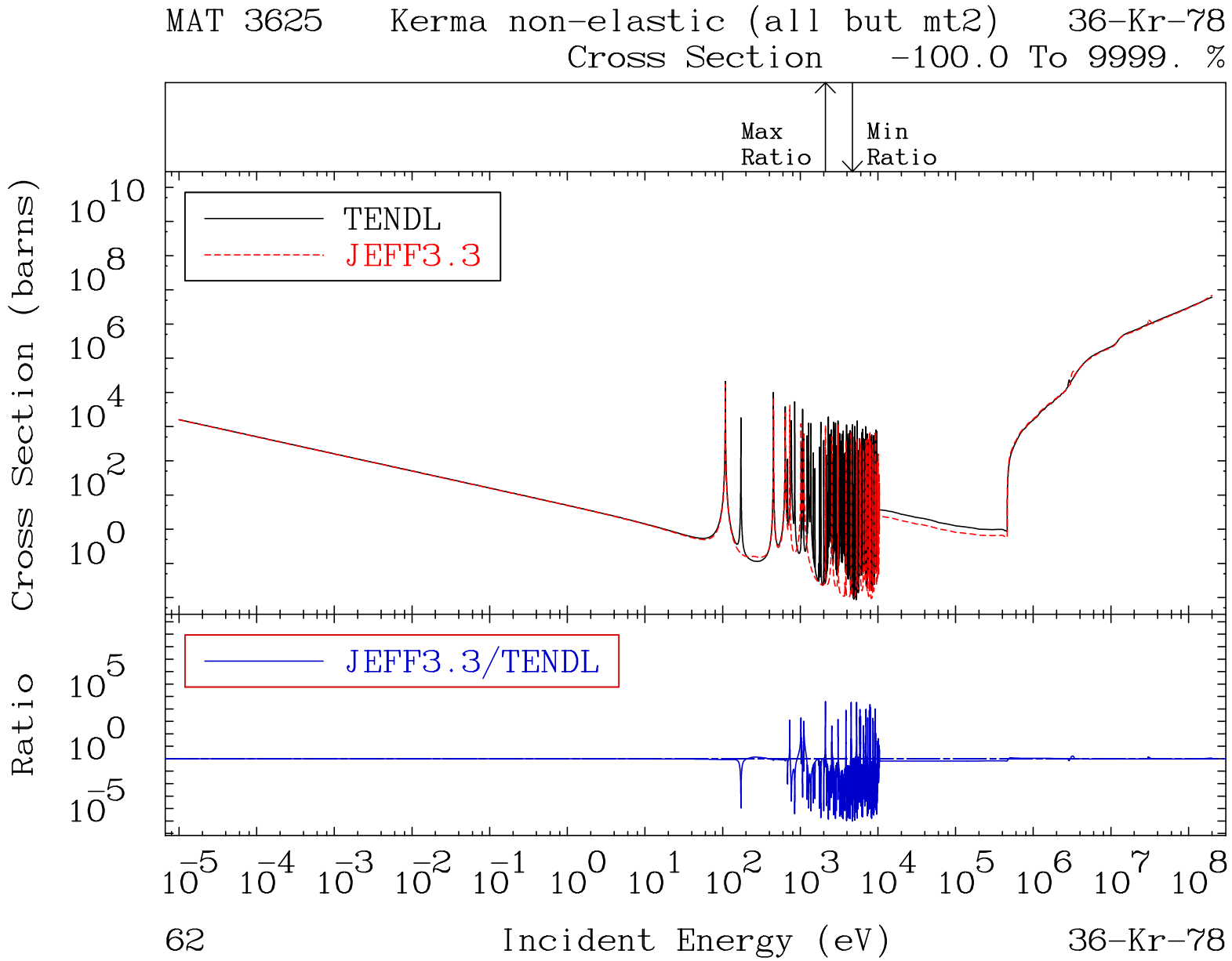

MAT 3625
Tritium Production
36-Kr-78
Cross Section
-100.0 To 80.47 %
Min
Ratio
Max
Ratio
TENDL Threshold 10.907 MeV
JEFF3.3 Threshold 10.908 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
36-Kr-78

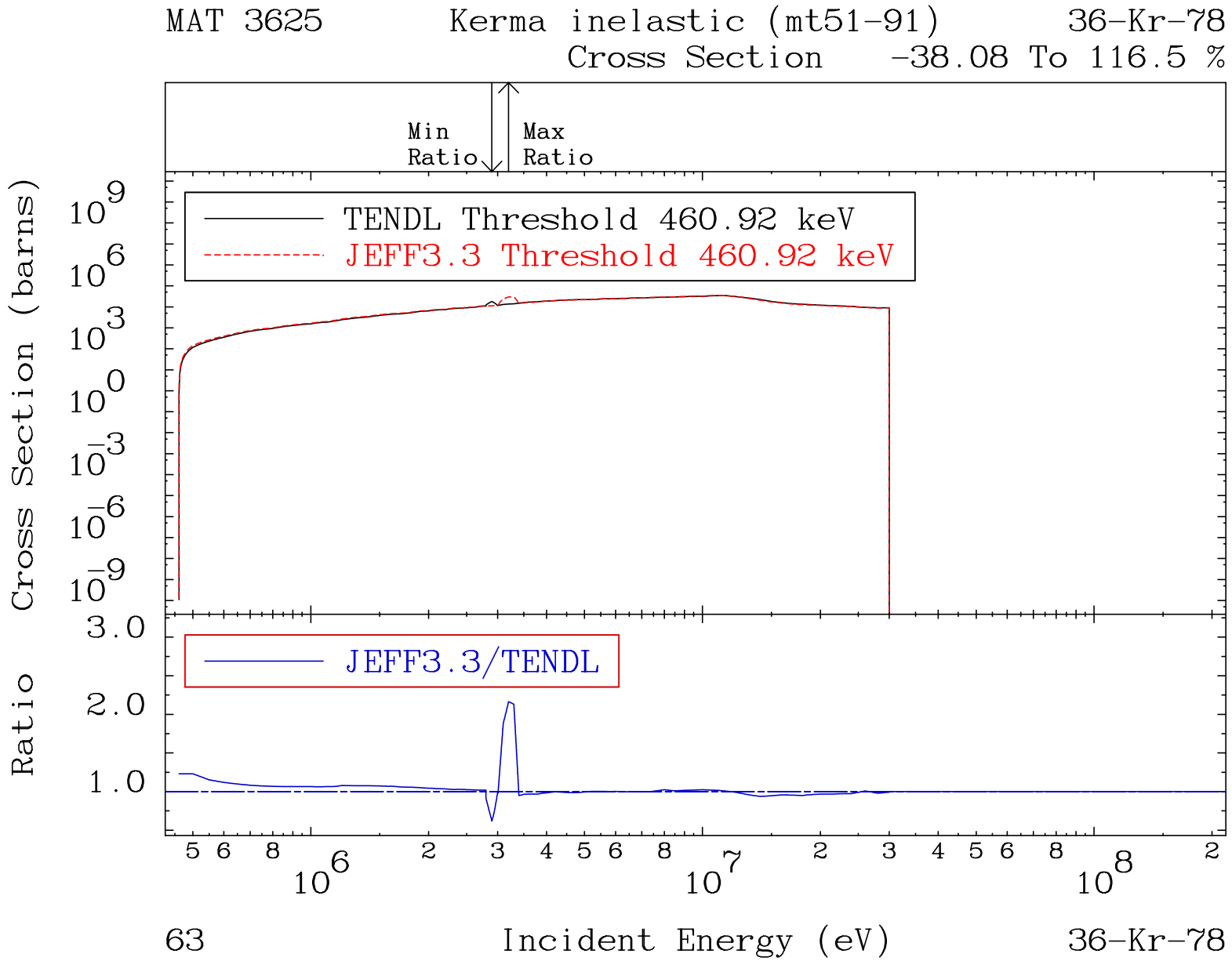

MAT 3625
He-3 Production
Cross Section
36-Kr-78
-100.0 To 0.888 %
Min Ratio
Max Ratio
TENDL Threshold 5.8611 MeV
JEFF3.3 Threshold 5.8624 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
58
Incident Energy (eV)
36-Kr-78

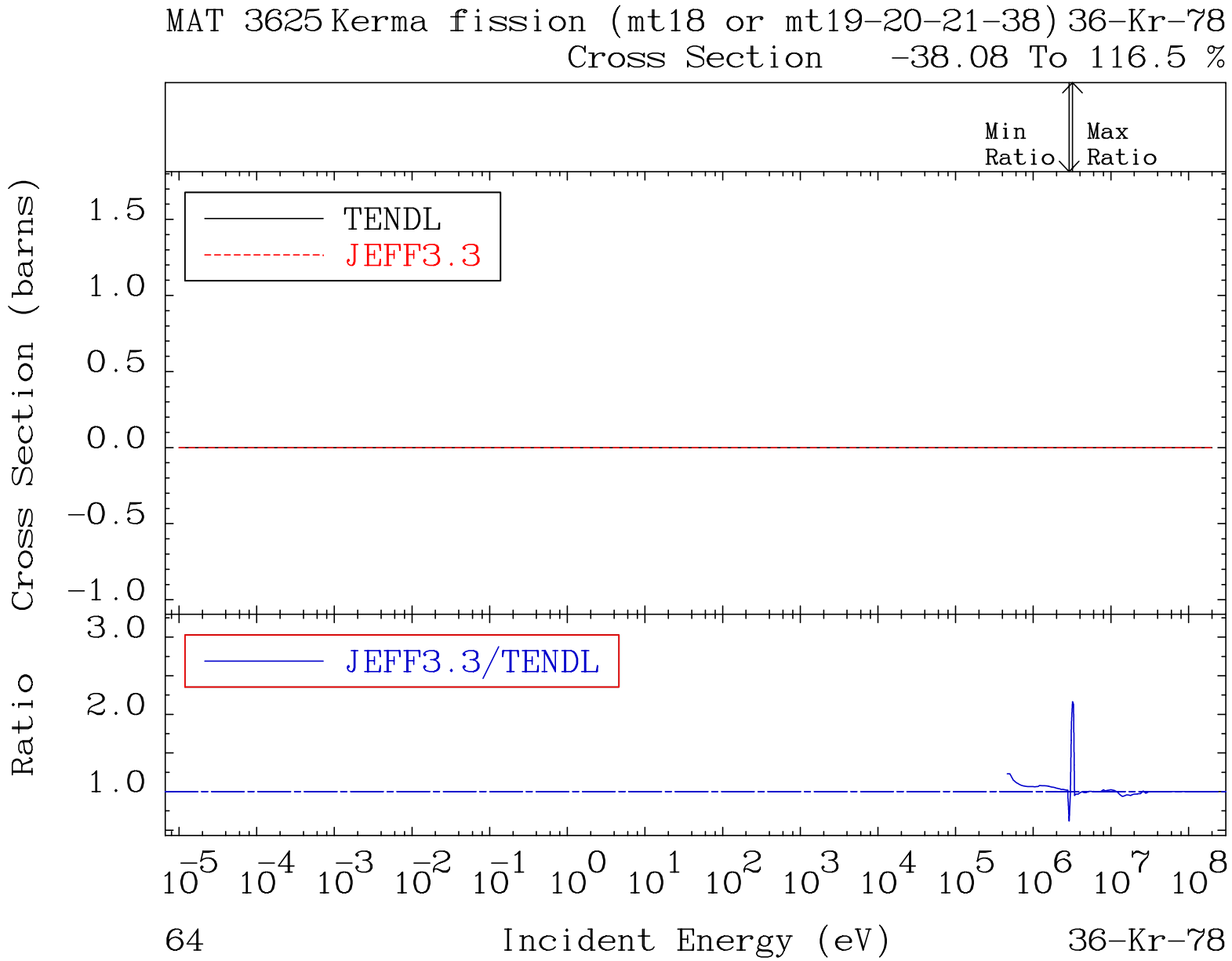

MAT 3625
He-4 Production
Cross Section
36-Kr-78
-16.75 To 1846. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
36-Kr-78

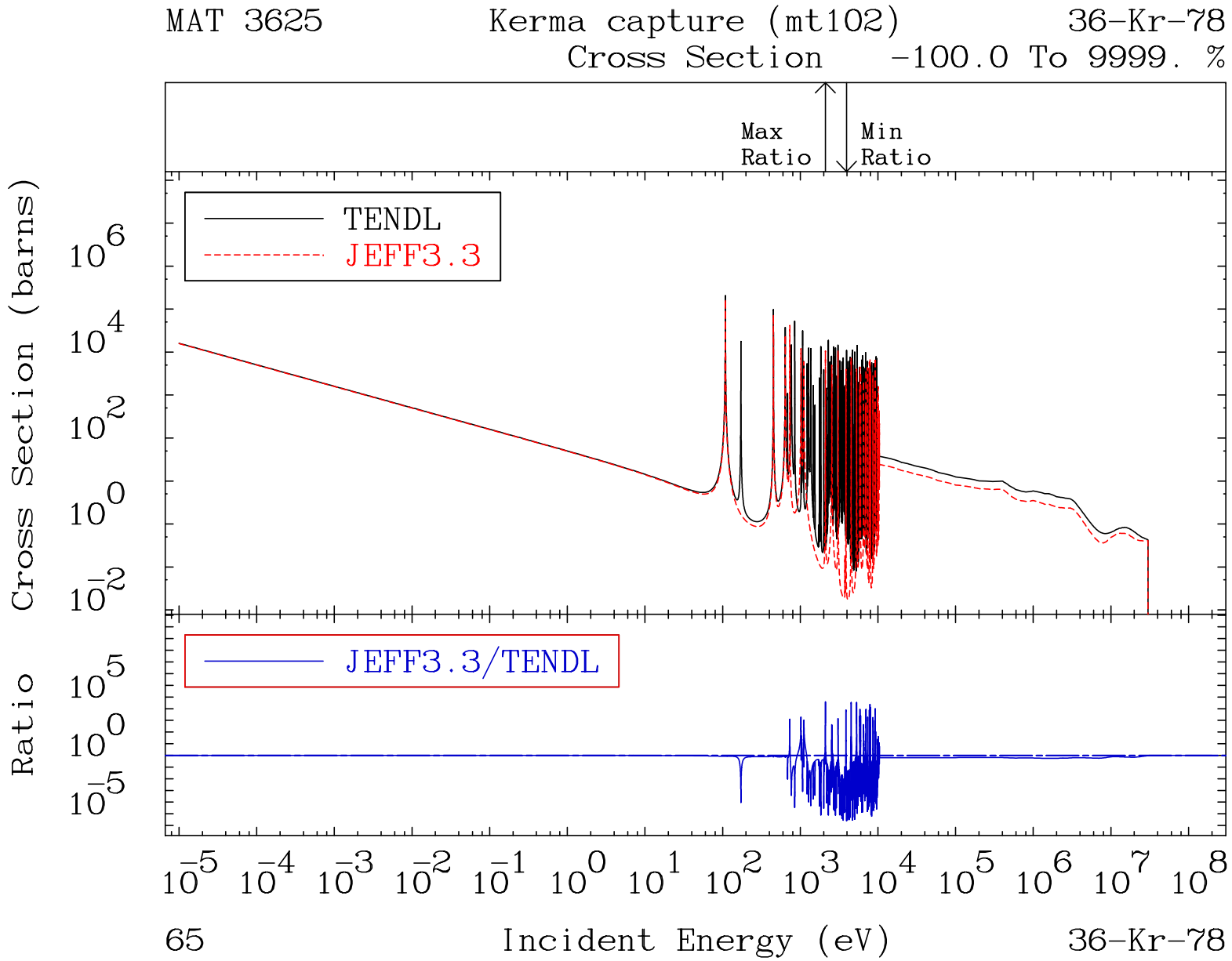

MAT 3625
Kerma total (eV-barns)
36-Kr-78
Cross Section -99.93 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
36-Kr-78

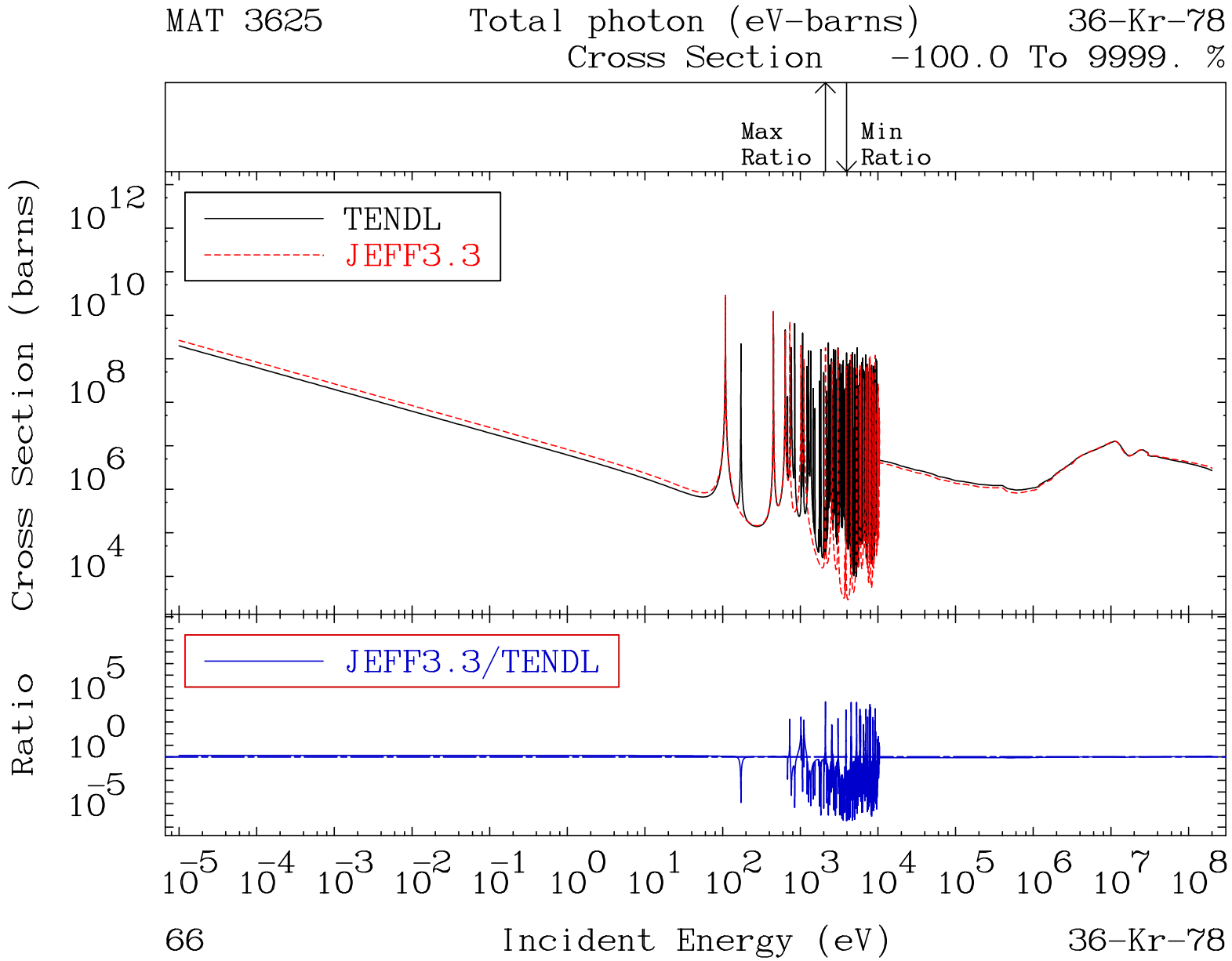

MAT 3625
Kerma elastic
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
36-Kr-78

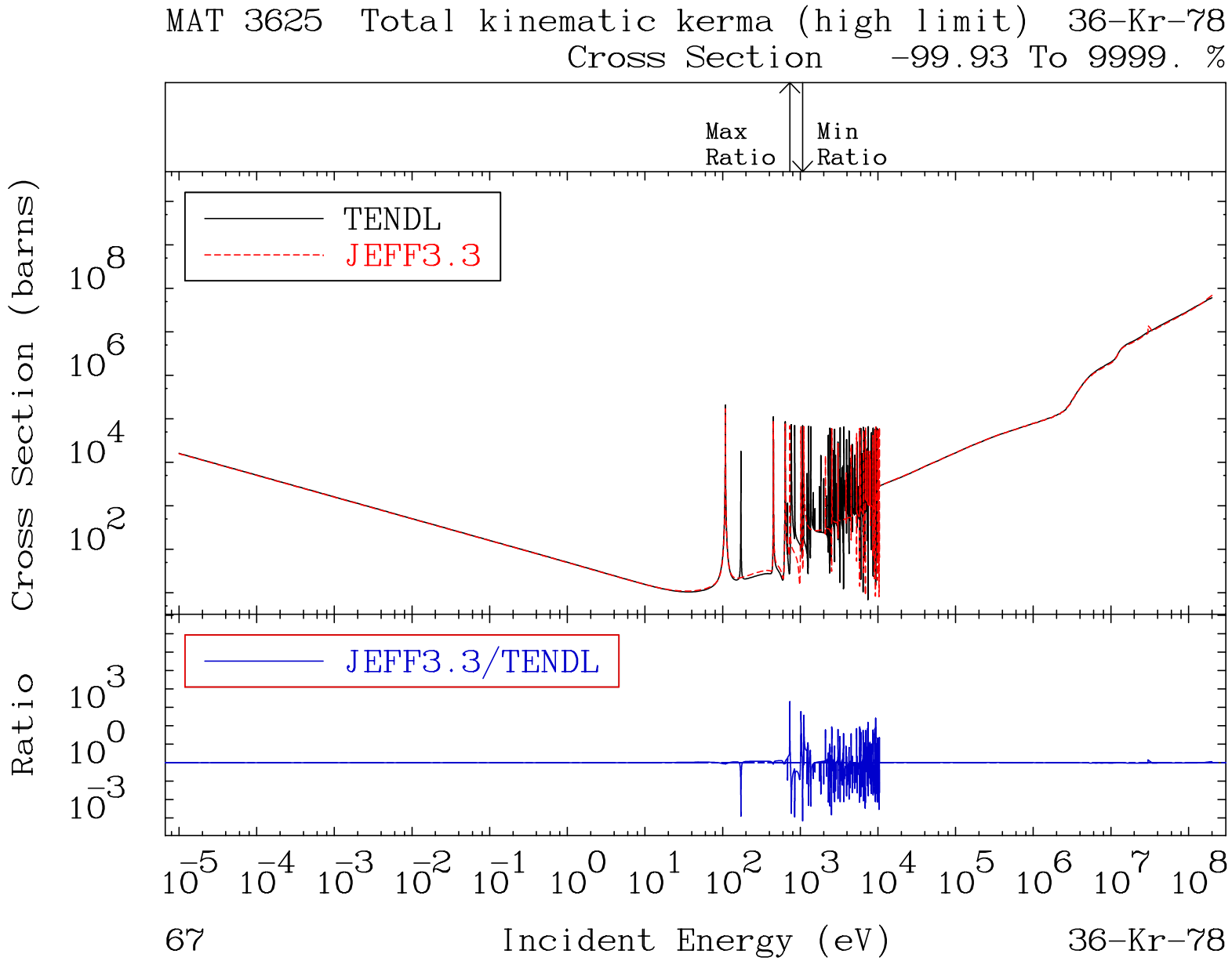

MAT 3625 Kerma non-elastic (all but mt2) 36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
36-Kr-78

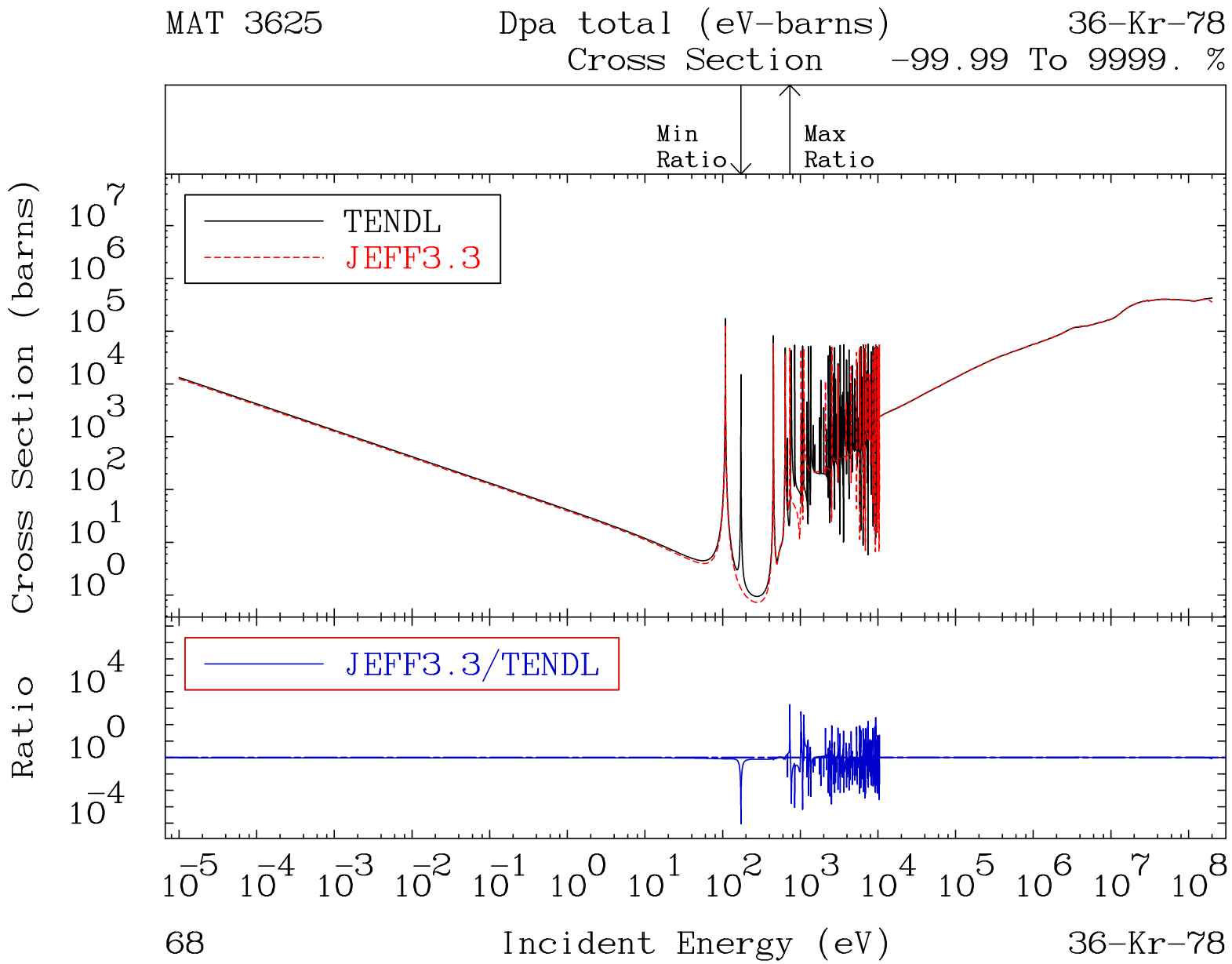

MAT 3625
Kerma inelastic (mt51-91)
36-Kr-78
Cross Section
-38.08 To 116.5 %
Min Ratio
Max Ratio
TENDL Threshold 460.92 keV
JEFF3.3 Threshold 460.92 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
36-Kr-78

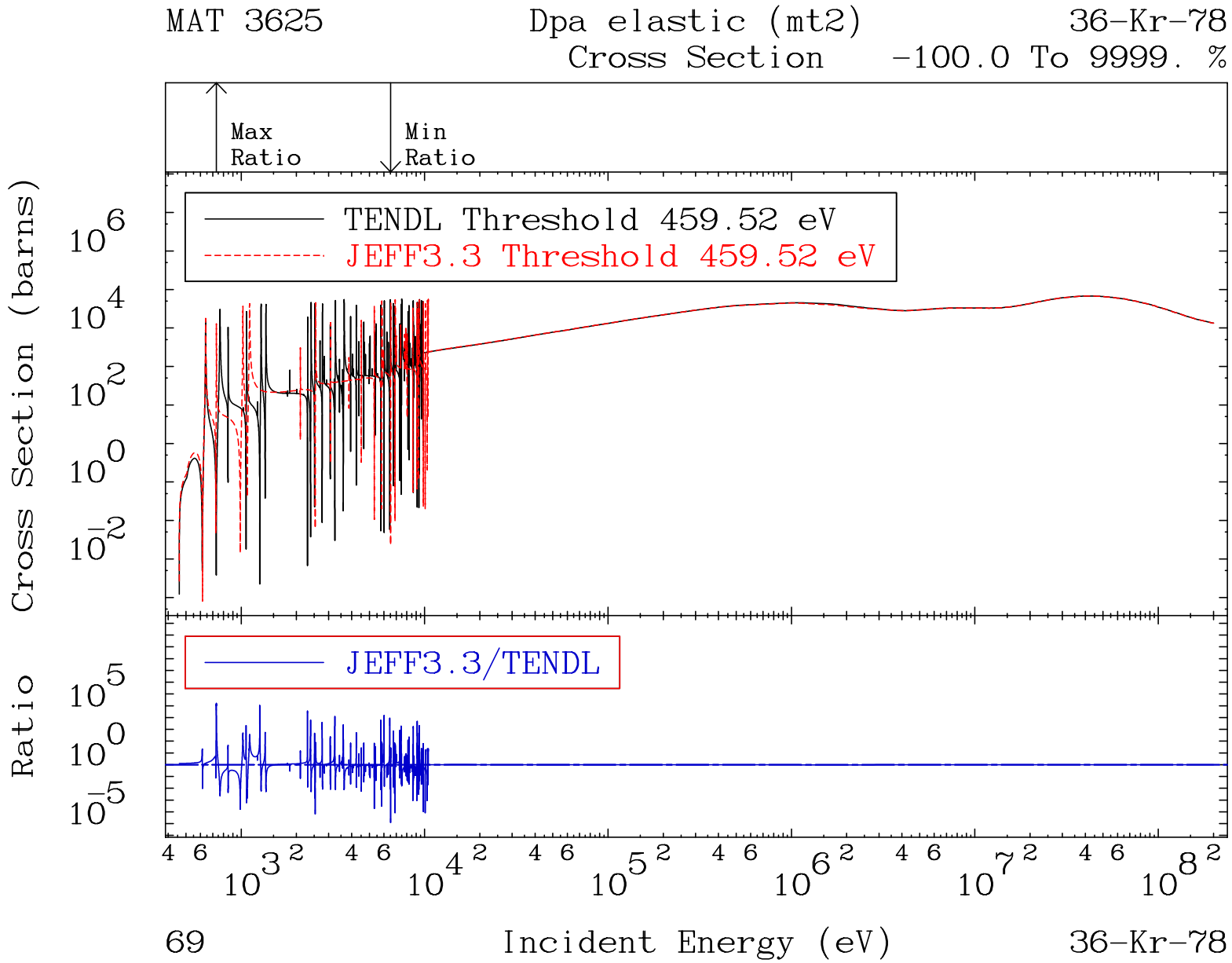

MAT 3625 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-78
Cross Section -38.08 To 116.5 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
3.0
2.0
1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
64
Incident Energy (eV)
36-Kr-78

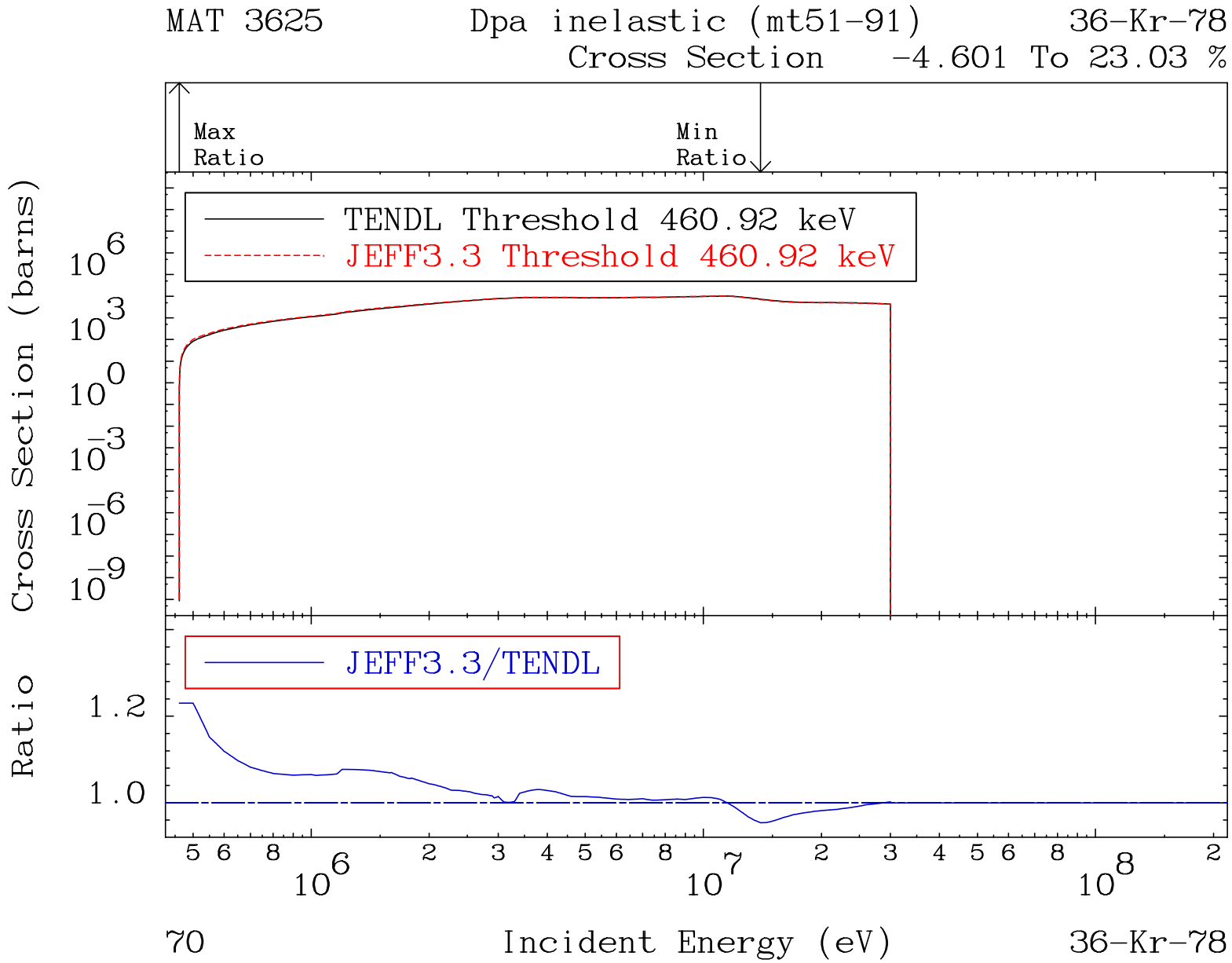

MAT 3625
Kerma capture (mt102)
36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
36-Kr-78

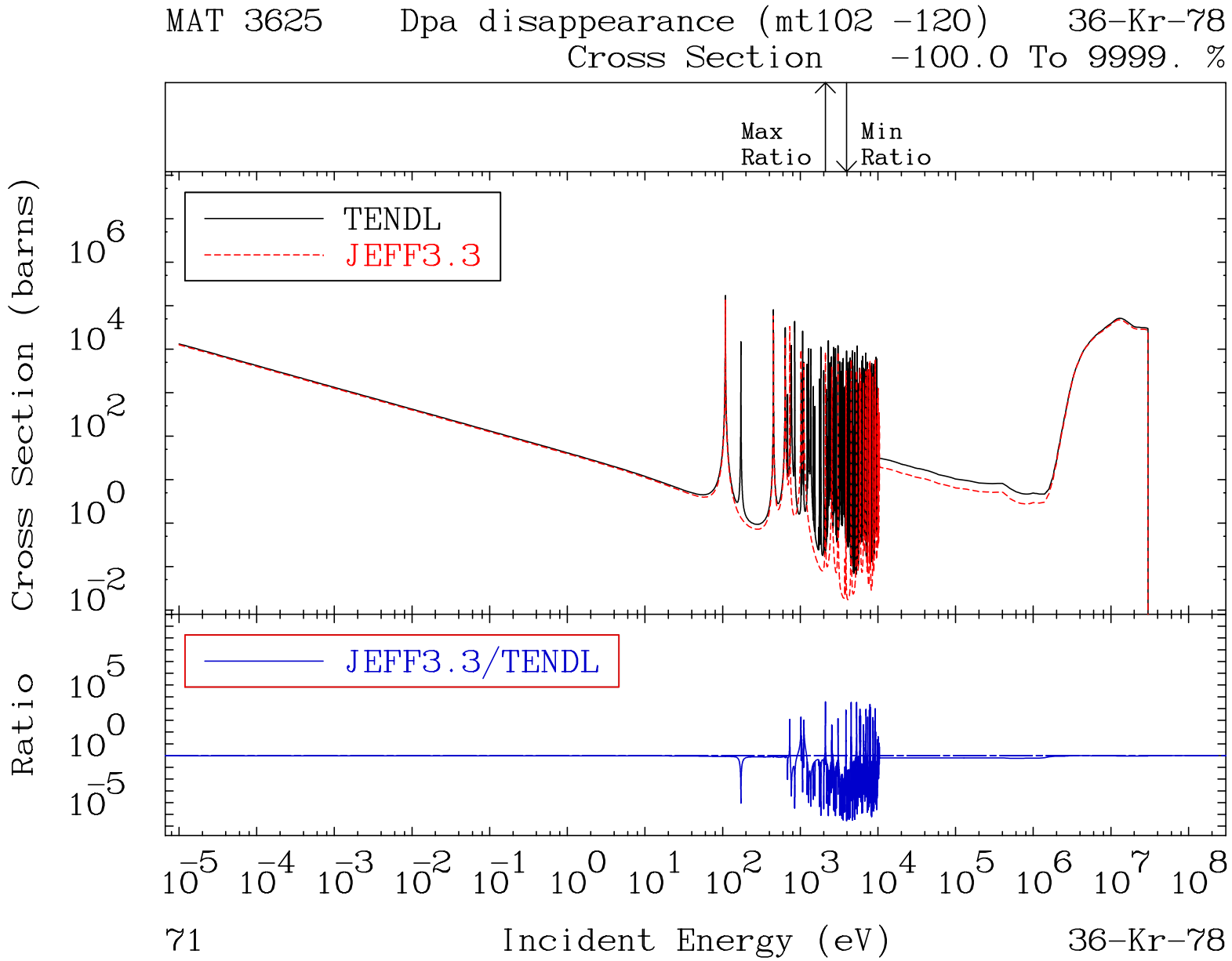

MAT 3625
Total photon (eV-barns)
36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
36-Kr-78

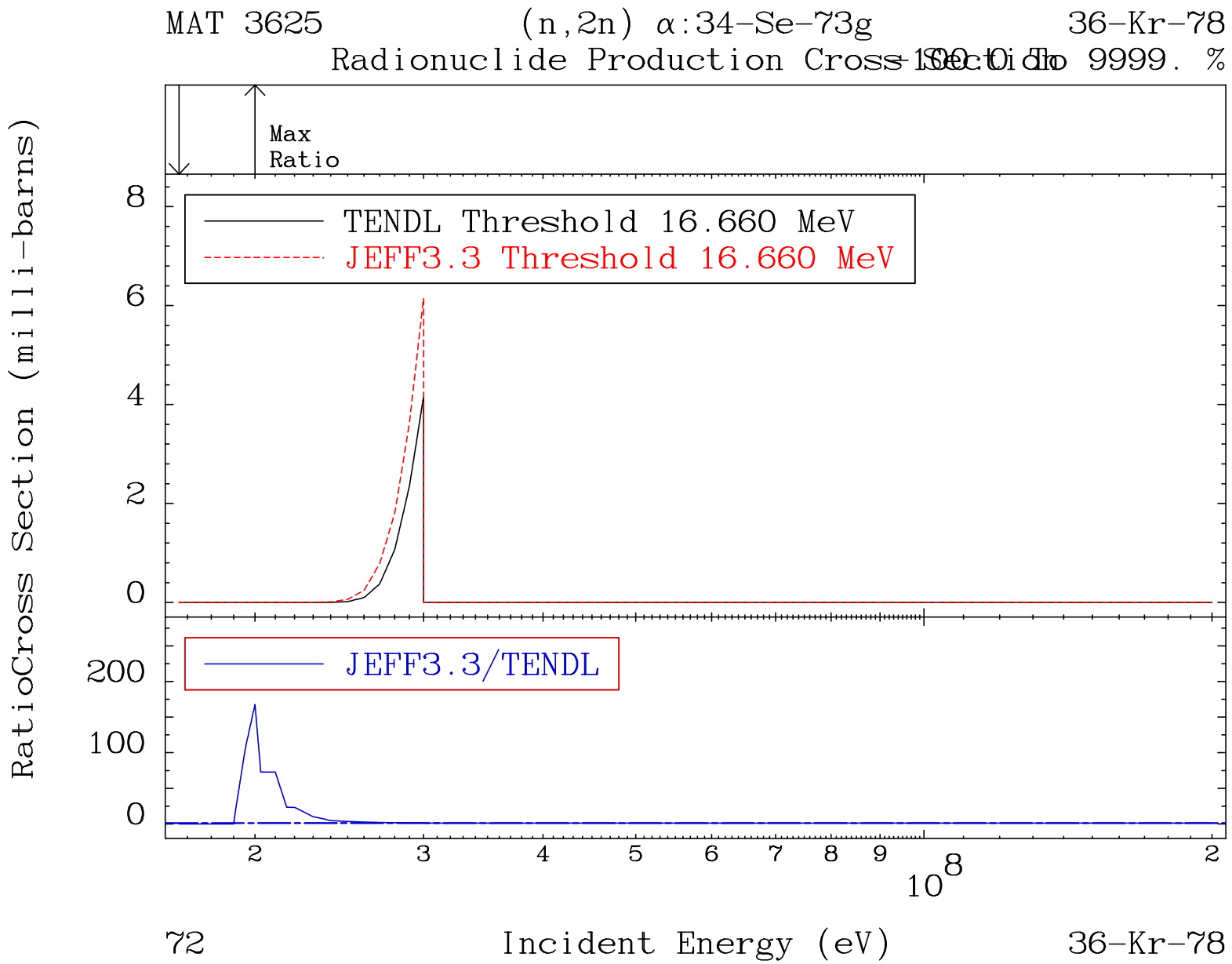

MAT 3625 Total kinematic kerma (high limit) 36-Kr-78
Cross Section -99.93 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
36-Kr-78

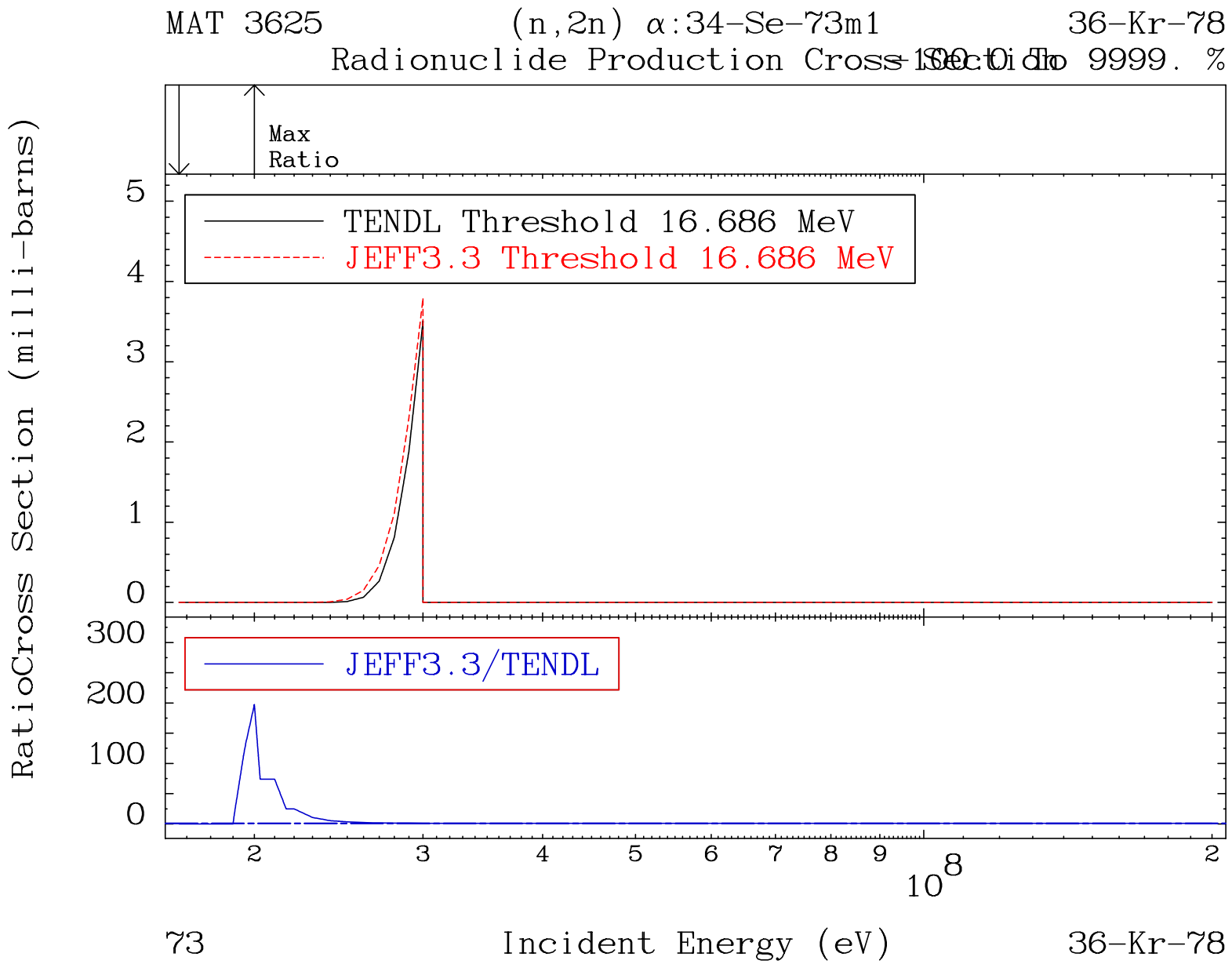

MAT 3625
Dpa total (eV-barns)
36-Kr-78
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
36-Kr-78

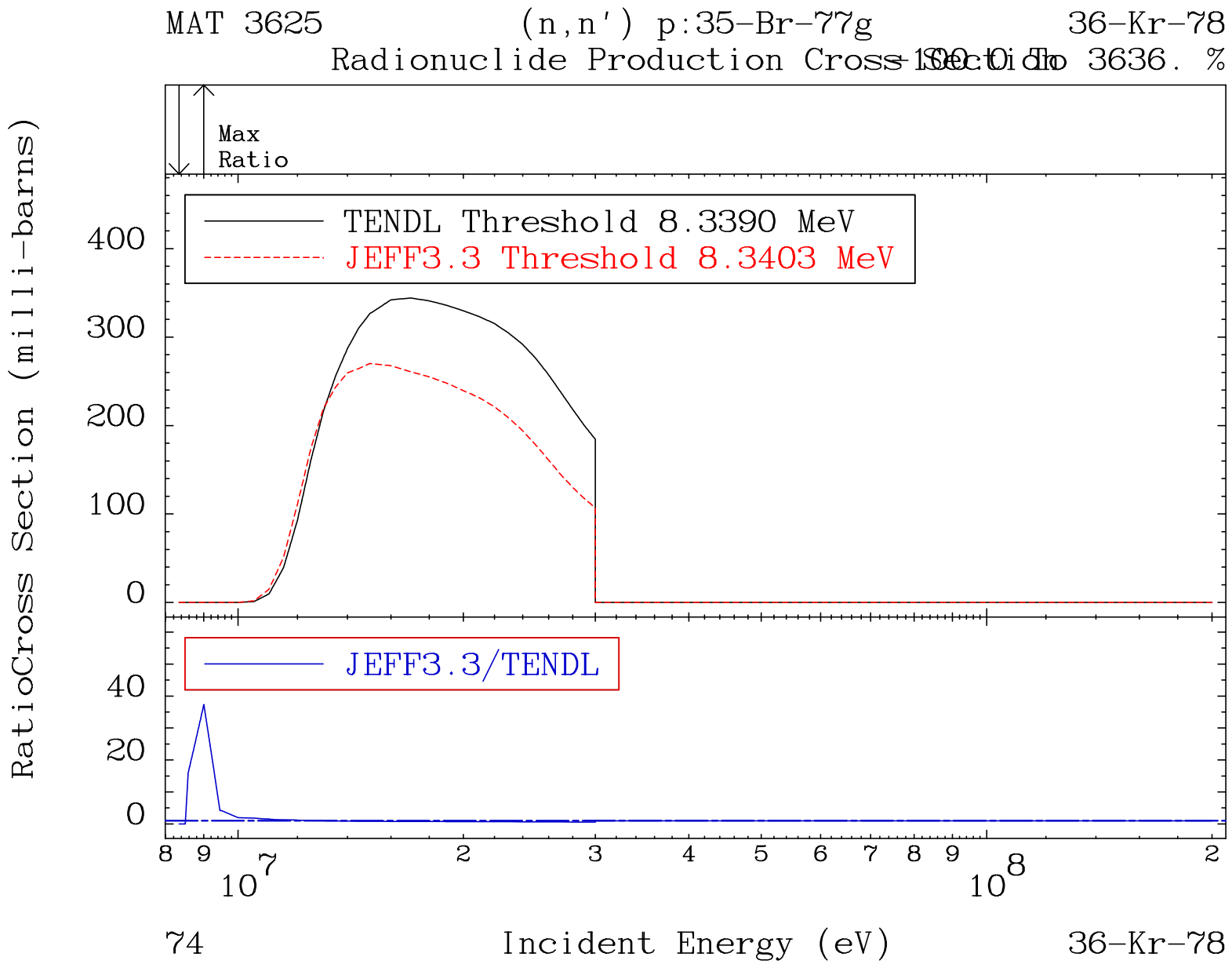

MAT 3625
Dpa elastic (mt2)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 459.52 eV
JEFF3.3 Threshold 459.52 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
36-Kr-78

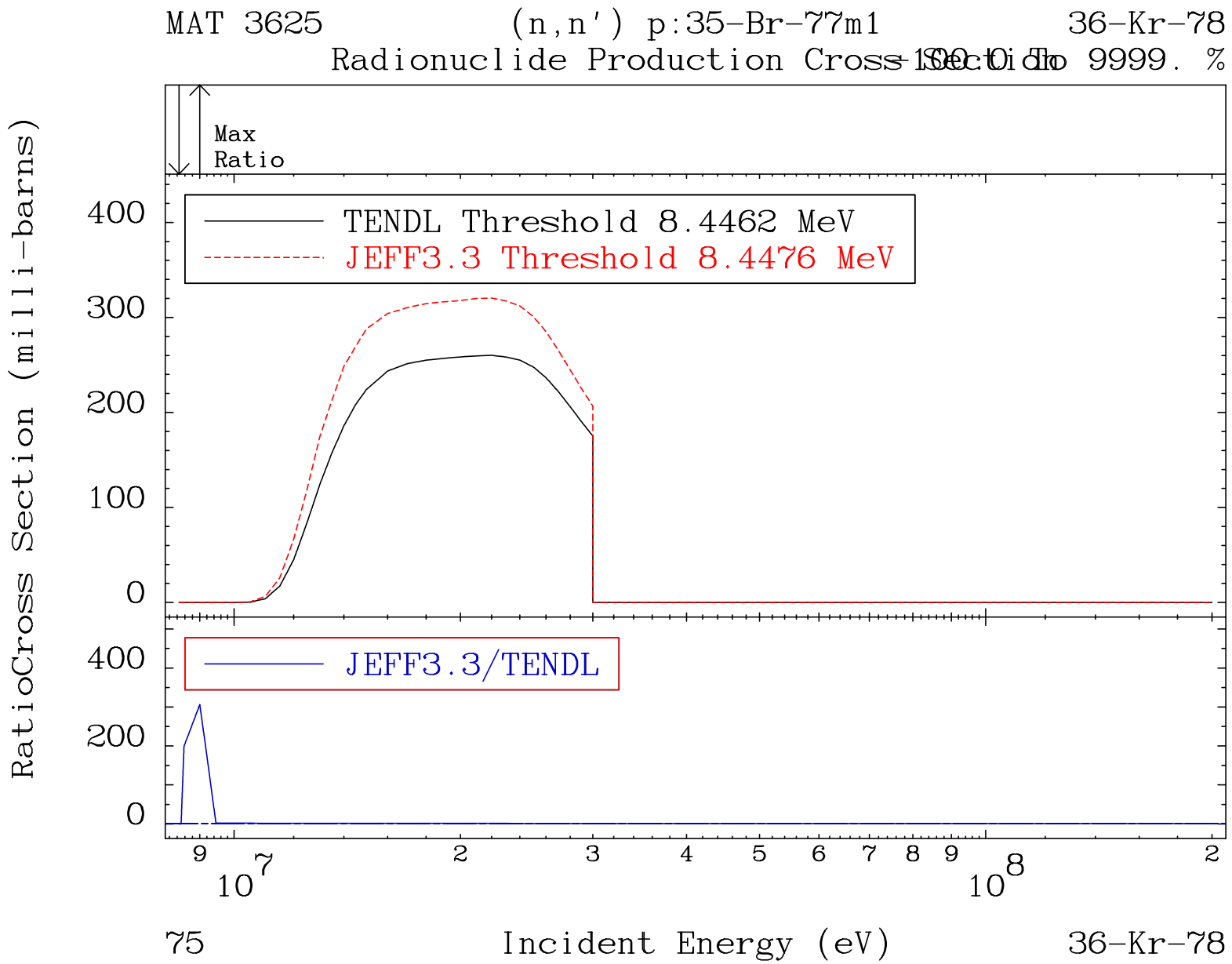

MAT 3625
Dpa inelastic (mt51-91)
36-Kr-78
Cross Section
-4.601 To 23.03 %
Max Ratio
Min Ratio
TENDL Threshold 460.92 keV
JEFF3.3 Threshold 460.92 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
36-Kr-78

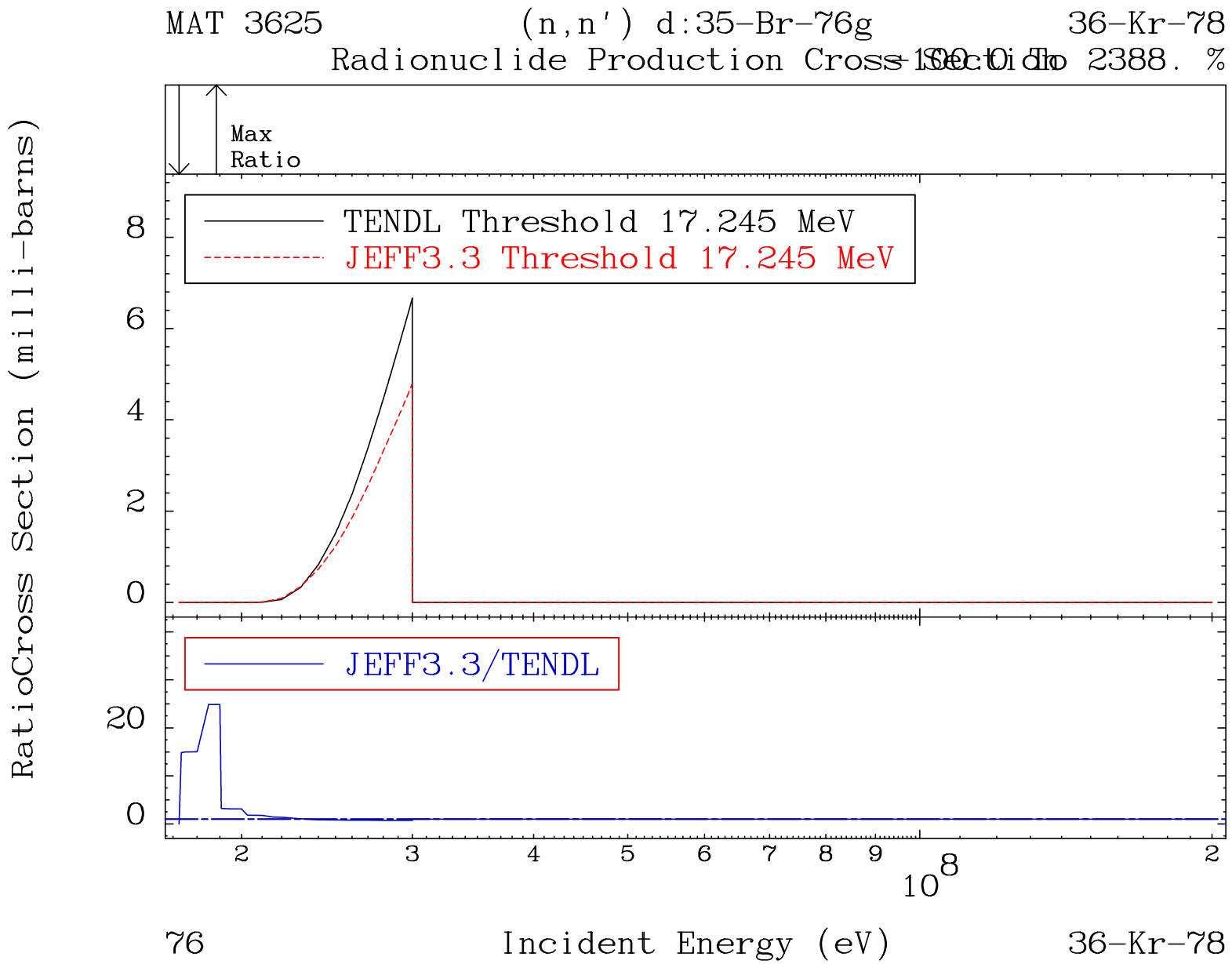

MAT 3625 Dpa disappearance (mt102 -120) 36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
36-Kr-78

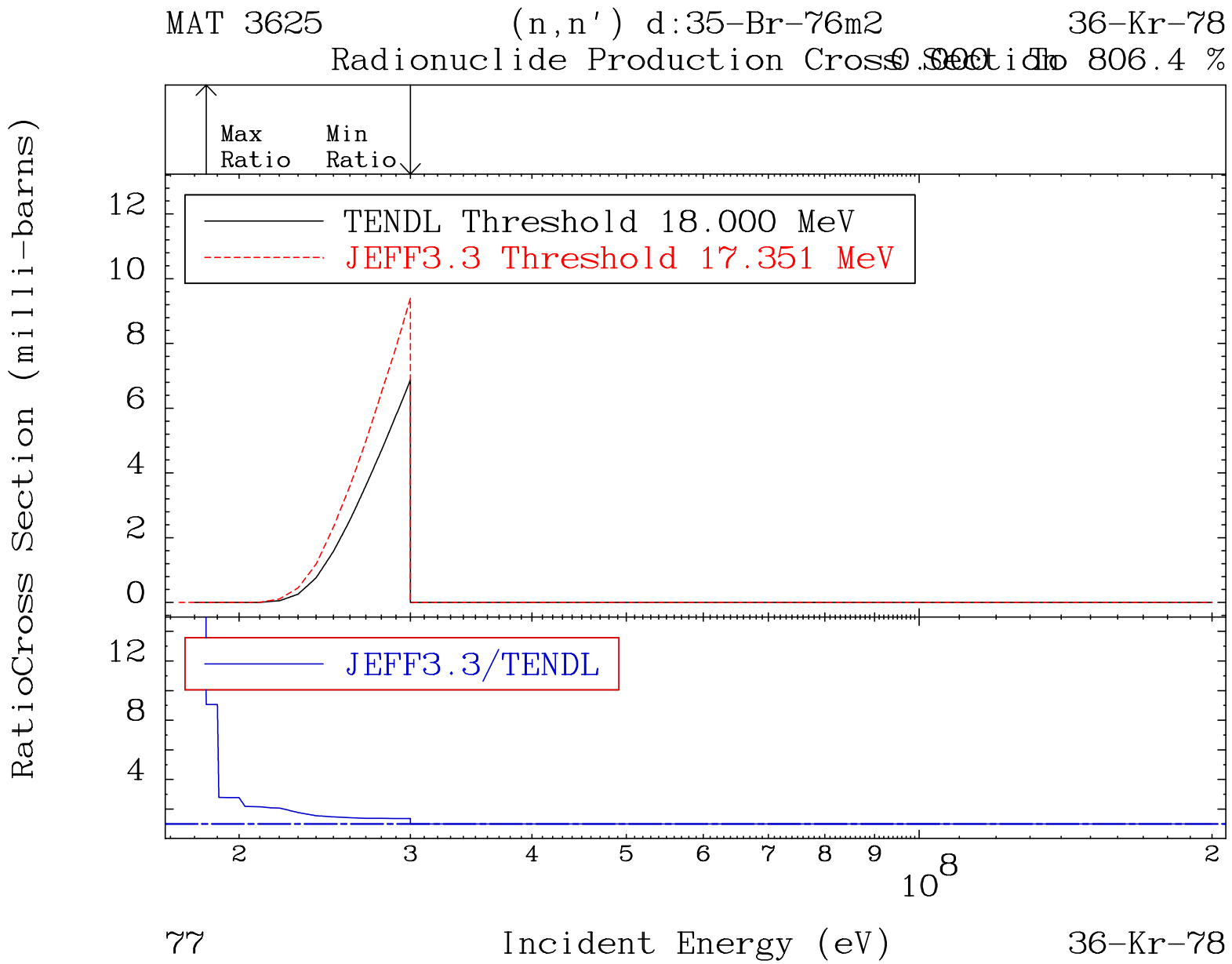

MAT 3625
(n,2n) α:34-Se-73g
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 16.660 MeV
JEFF3.3 Threshold 16.660 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
36-Kr-78

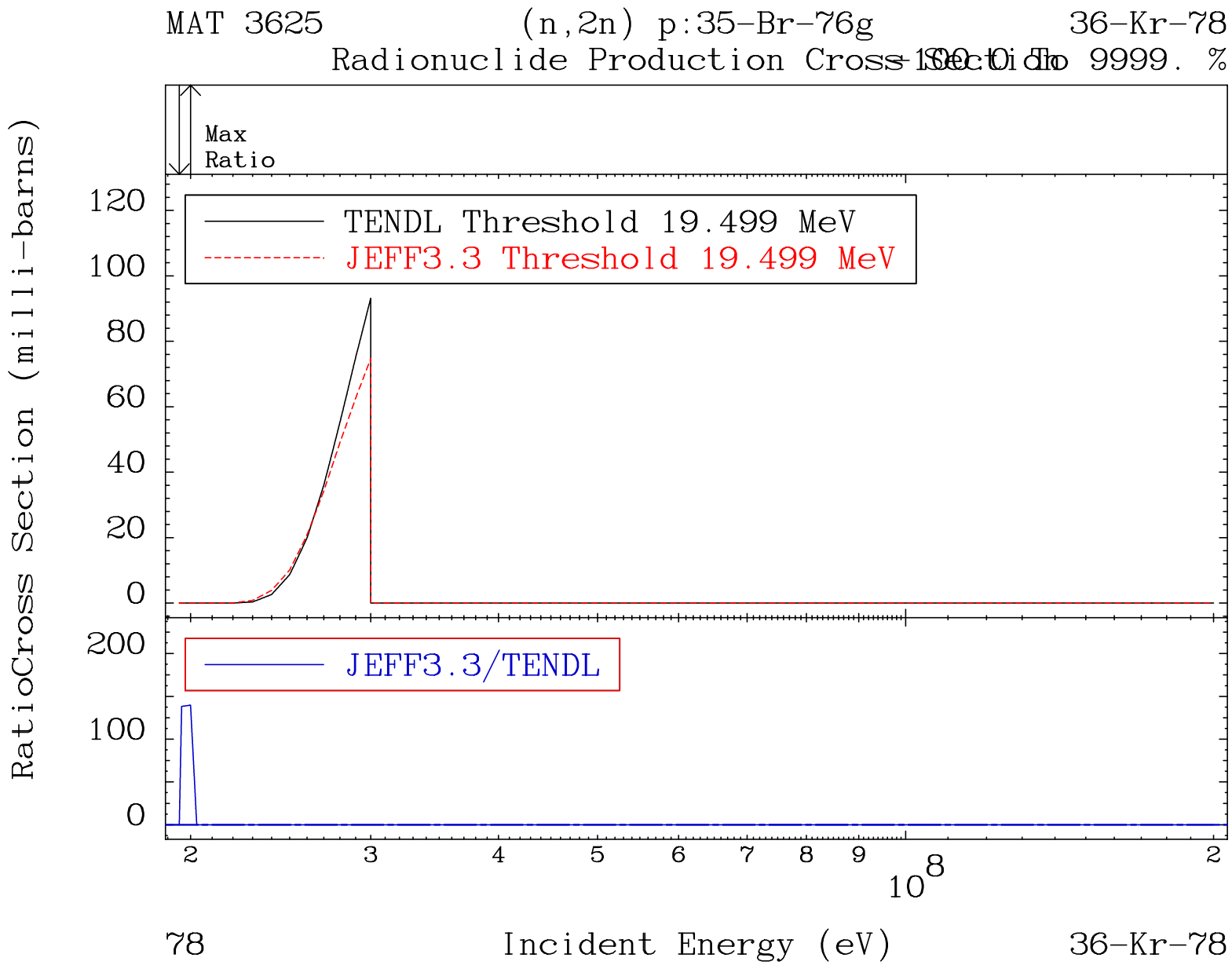

MAT 3625
(n,2n) α:34-Se-73m1
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 16.686 MeV
JEFF3.3 Threshold 16.686 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
0
100
200
300
2
3
4
5
6
7
8
9
2
10^8
73
Incident Energy (eV)
36-Kr-78

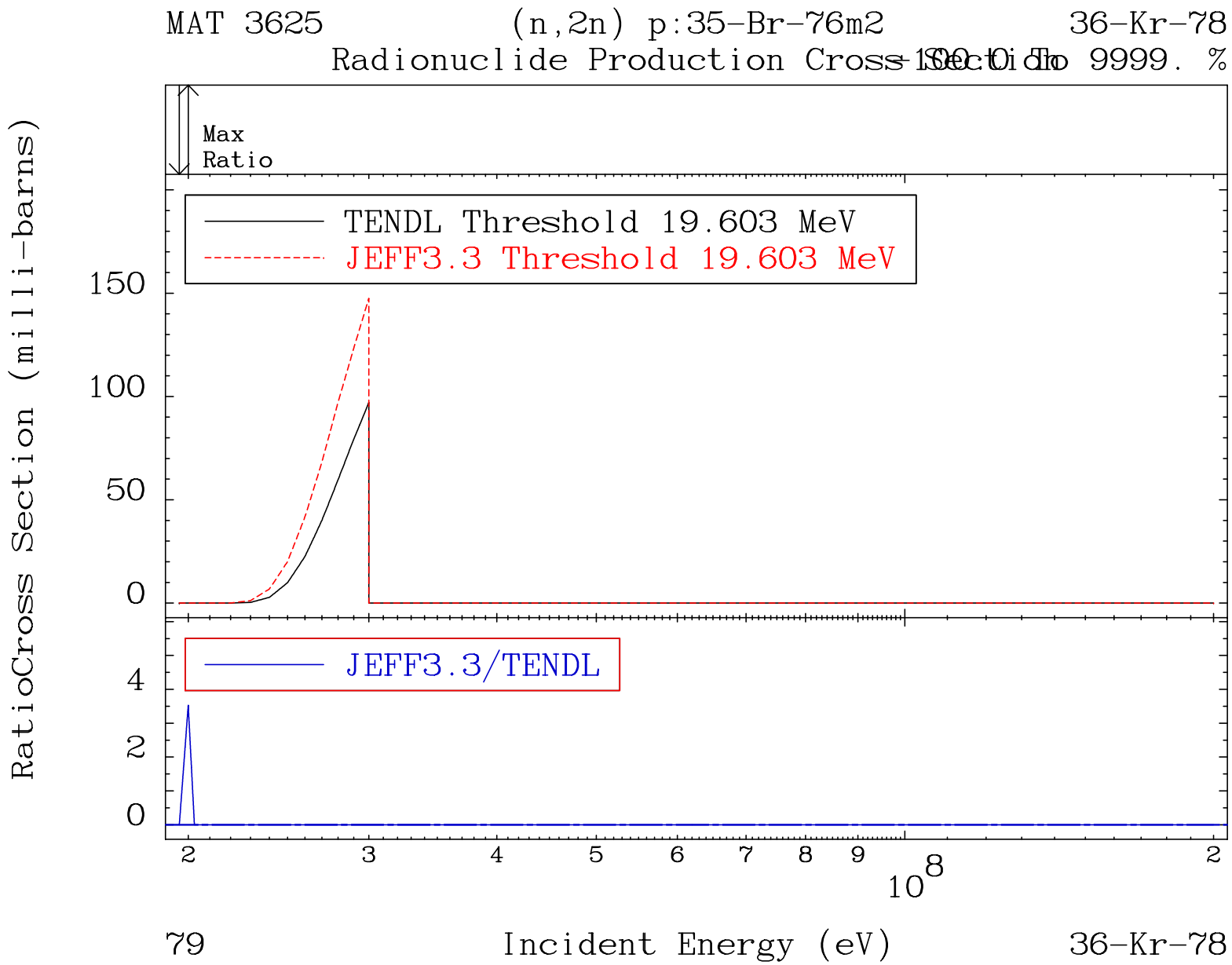

MAT 3625
(n,n') p:35-Br-77g
36-Kr-78
Radionuclide Production Cross Section To 3636. %
Max
Ratio
TENDL Threshold 8.3390 MeV
JEFF3.3 Threshold 8.3403 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
40
20
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
74
Incident Energy (eV)
36-Kr-78

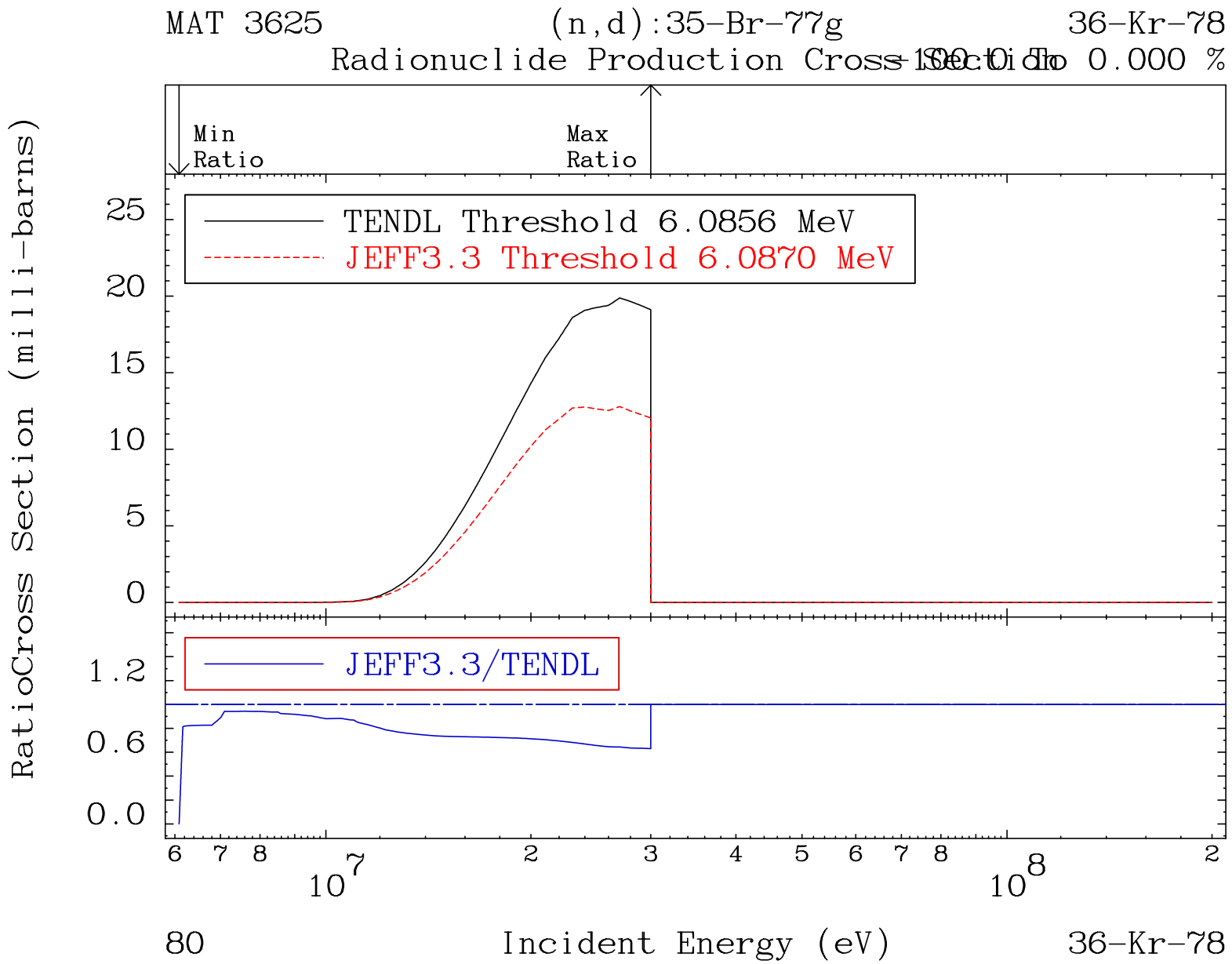

MAT 3625
(n,n') p:35-Br-77m1
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 8.4462 MeV
JEFF3.3 Threshold 8.4476 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
36-Kr-78

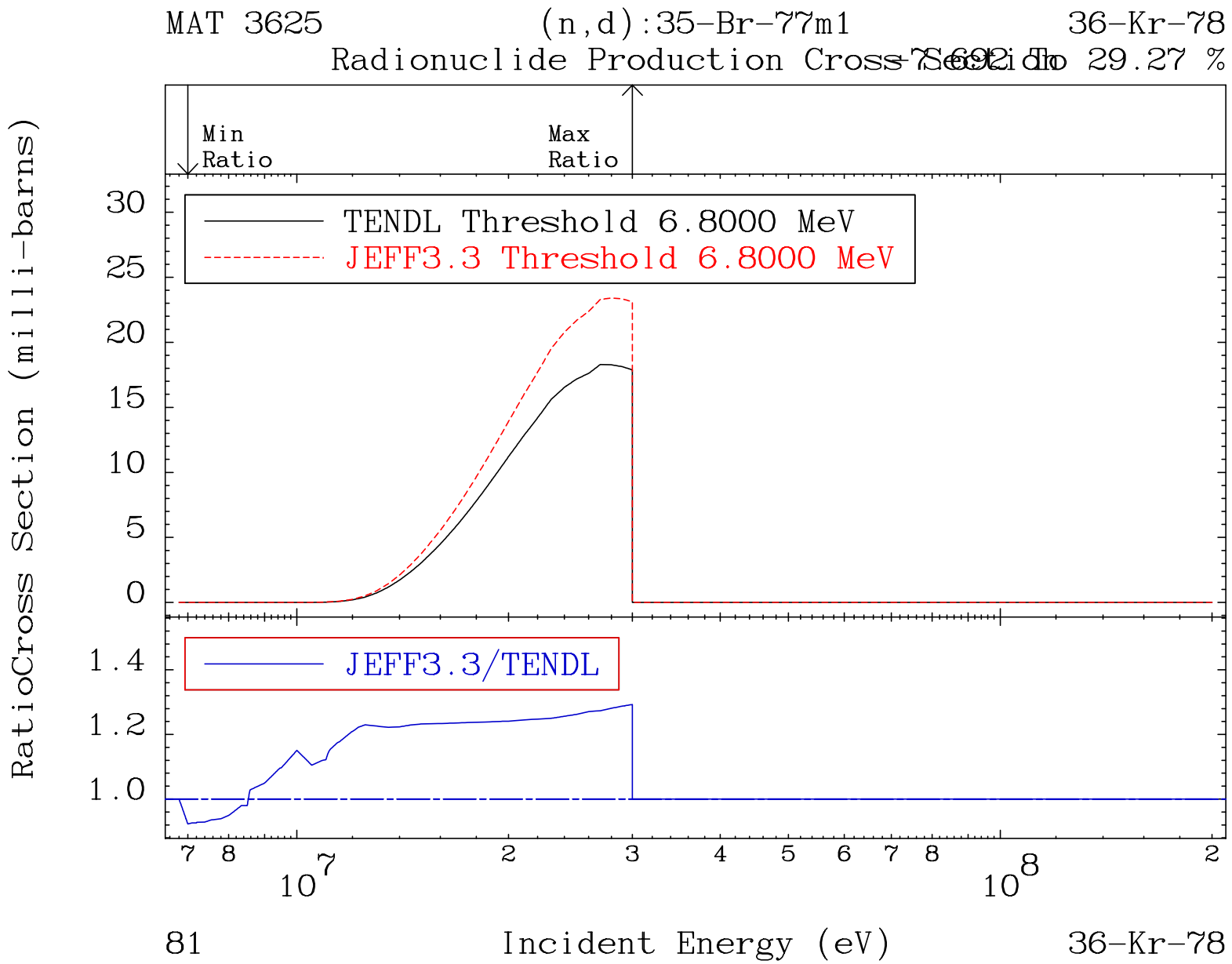

MAT 3625
(n,n') d:35-Br-76g
36-Kr-78
Radionuclide Production Cross Section To 2388. %
Max
Ratio
TENDL Threshold 17.245 MeV
JEFF3.3 Threshold 17.245 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
20
0
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
36-Kr-78

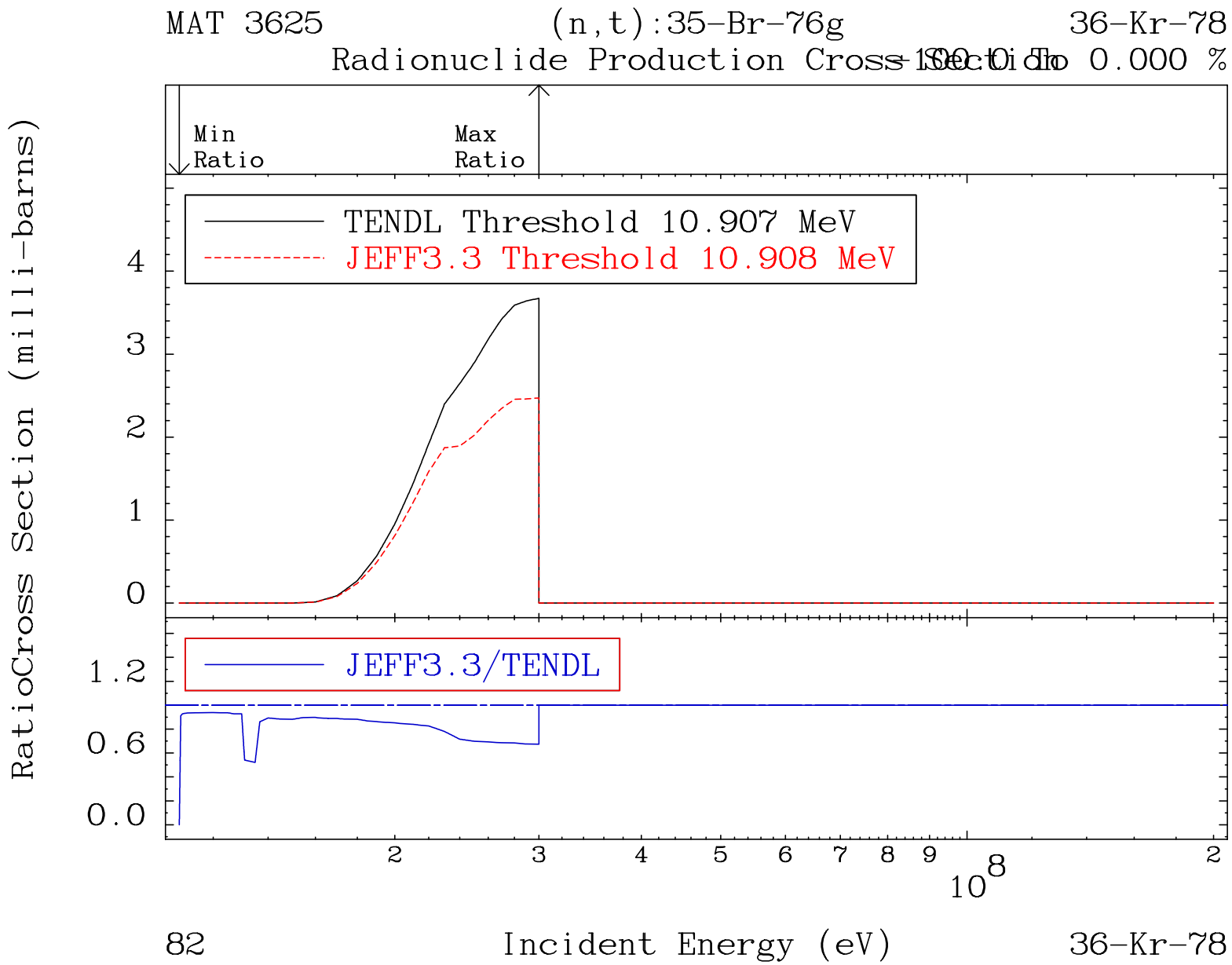

MAT 3625
(n,n') d:35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section
0.000 To 806.4 %
Max Ratio
Min Ratio
TENDL Threshold 18.000 MeV
JEFF3.3 Threshold 17.351 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
36-Kr-78

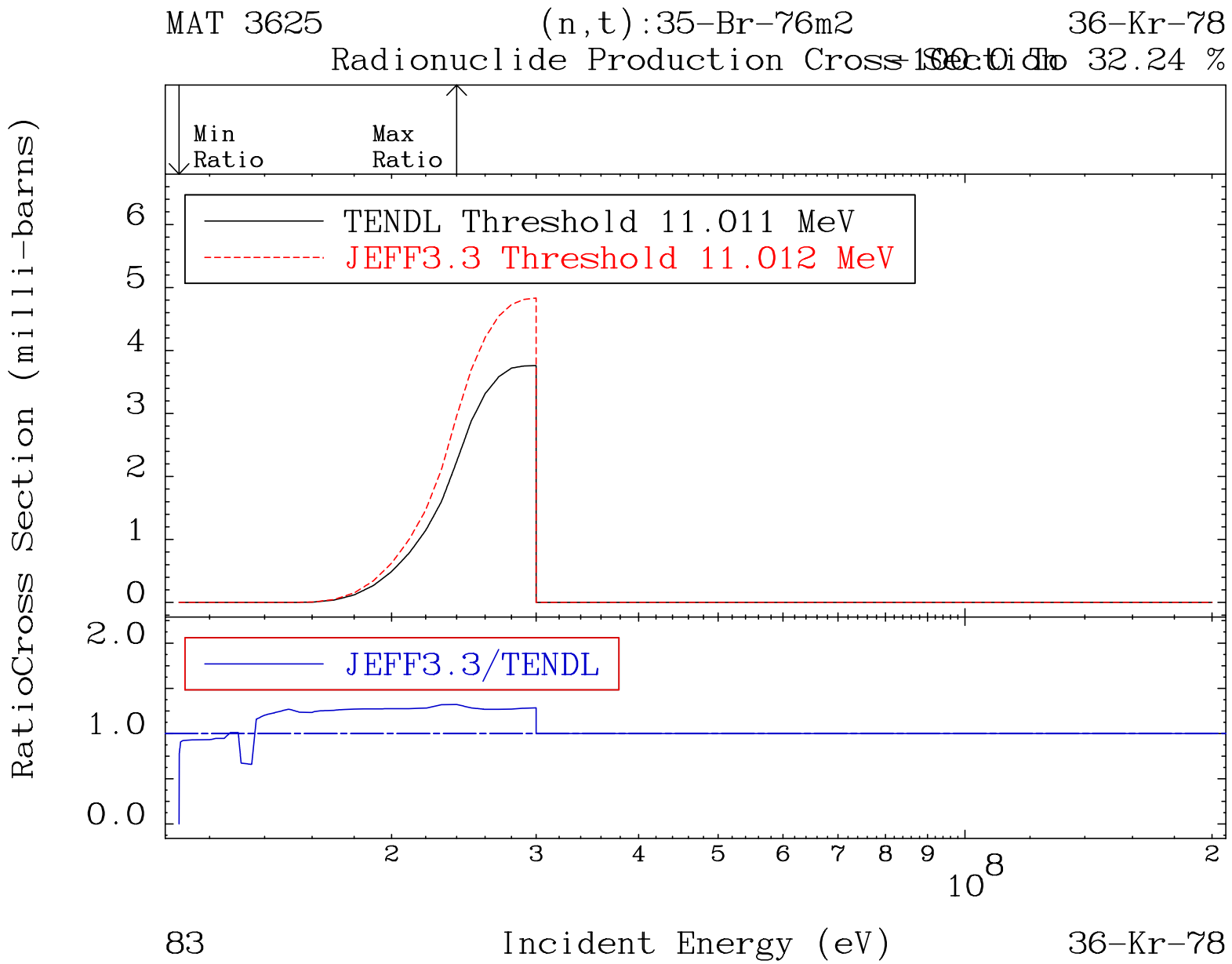

MAT 3625
(n,2n) p:35-Br-76g
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
120
100
80
60
40
20
0
TENDL Threshold 19.499 MeV
JEFF3.3 Threshold 19.499 MeV
200
100
0
JEFF3.3/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
78
Incident Energy (eV)
36-Kr-78

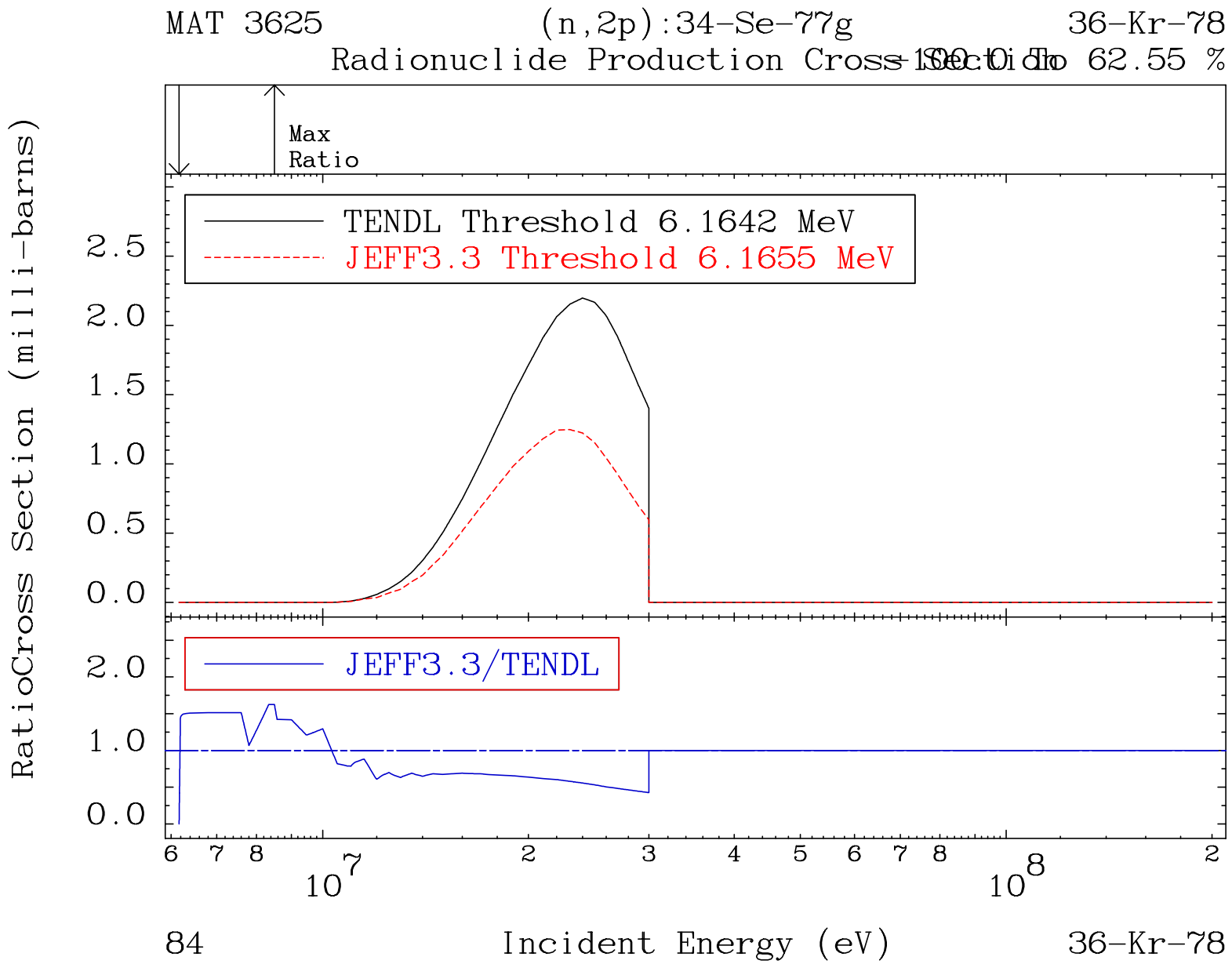

MAT 3625
(n,2n) p:35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 19.603 MeV
JEFF3.3 Threshold 19.603 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
36-Kr-78

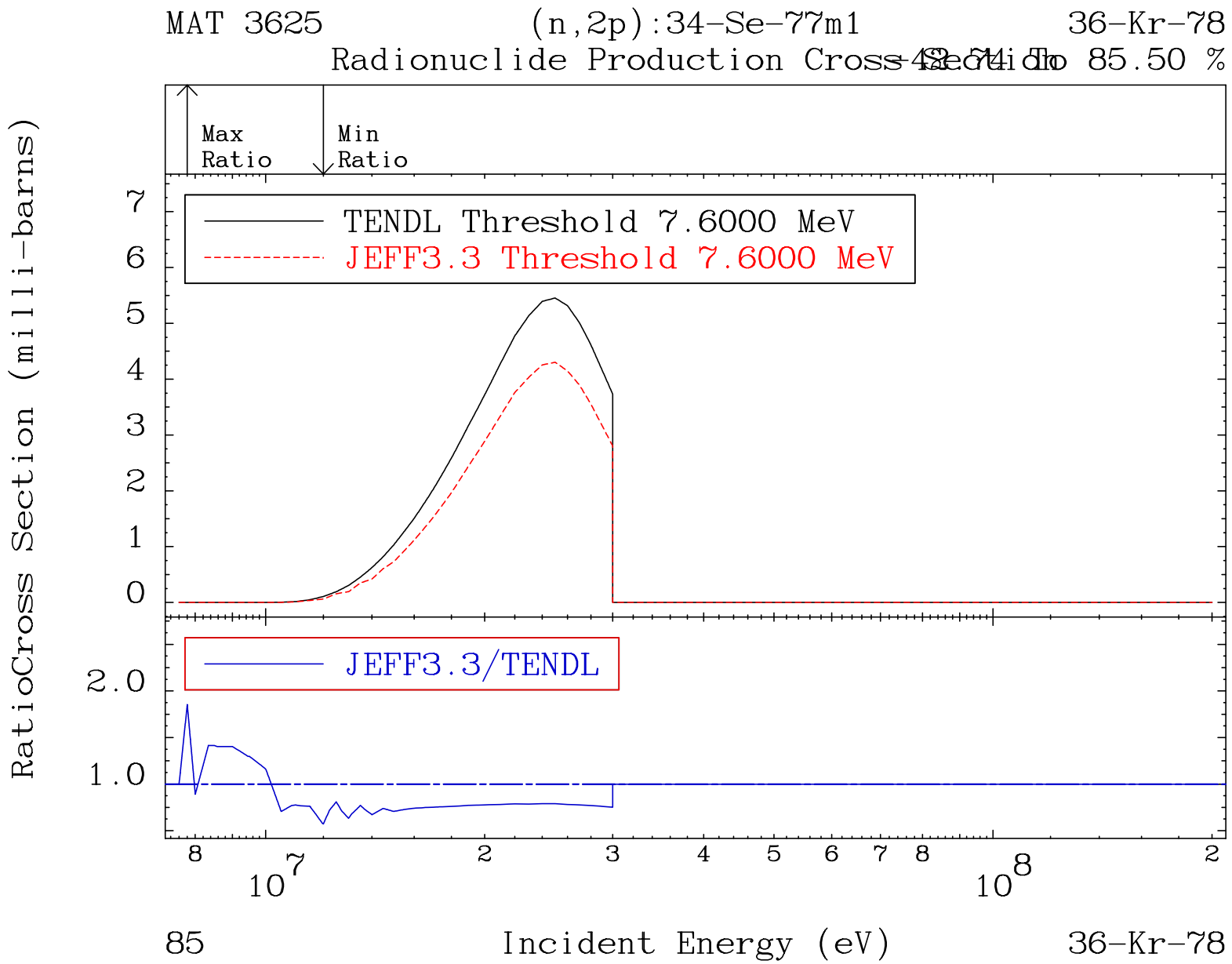

MAT 3625
(n,d):35-Br-77g
36-Kr-78
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
36-Kr-78


MAT 3625
(n,d):35-Br-77m1
36-Kr-78
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 6.8000 MeV
JEFF3.3 Threshold 6.8000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
36-Kr-78


MAT 3625
(n,t):35-Br-76g
36-Kr-78
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.907 MeV
JEFF3.3 Threshold 10.908 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
36-Kr-78


MAT 3625
(n,t):35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section To 32.24 %
Min Ratio
Max Ratio
TENDL Threshold 11.011 MeV
JEFF3.3 Threshold 11.012 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
36-Kr-78


MAT 3625
(n,2p):34-Se-77g
36-Kr-78
Radionuclide Production Cross Section To 62.55 %
Max
Ratio
TENDL Threshold 6.1642 MeV
JEFF3.3 Threshold 6.1655 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
84
Incident Energy (eV)
36-Kr-78


MAT 3625
(n,2p):34-Se-77m1
36-Kr-78
Radionuclide Production Cross Section To 85.50 %
Max Ratio
Min Ratio
TENDL Threshold 7.6000 MeV
JEFF3.3 Threshold 7.6000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
85
36-Kr-78