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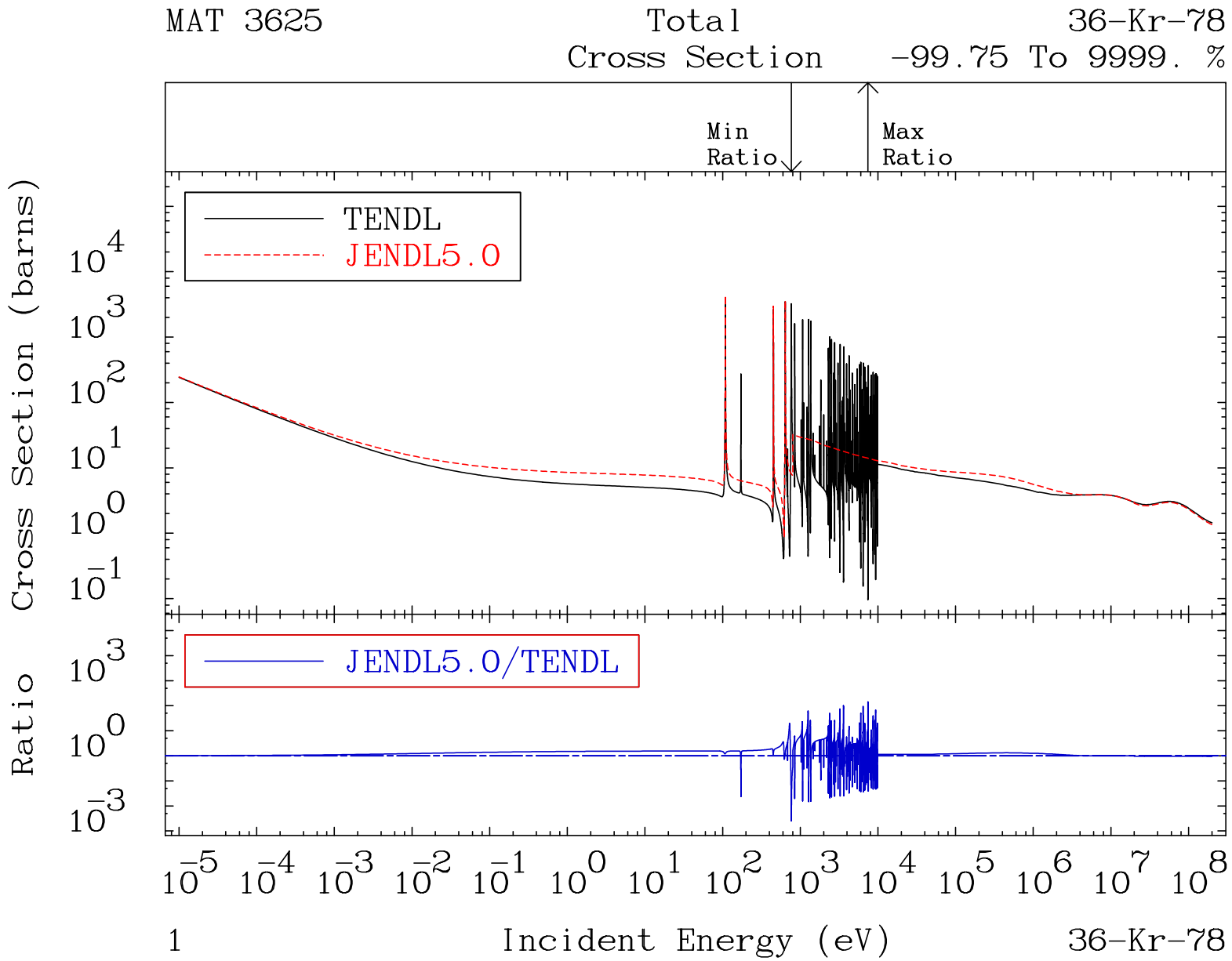
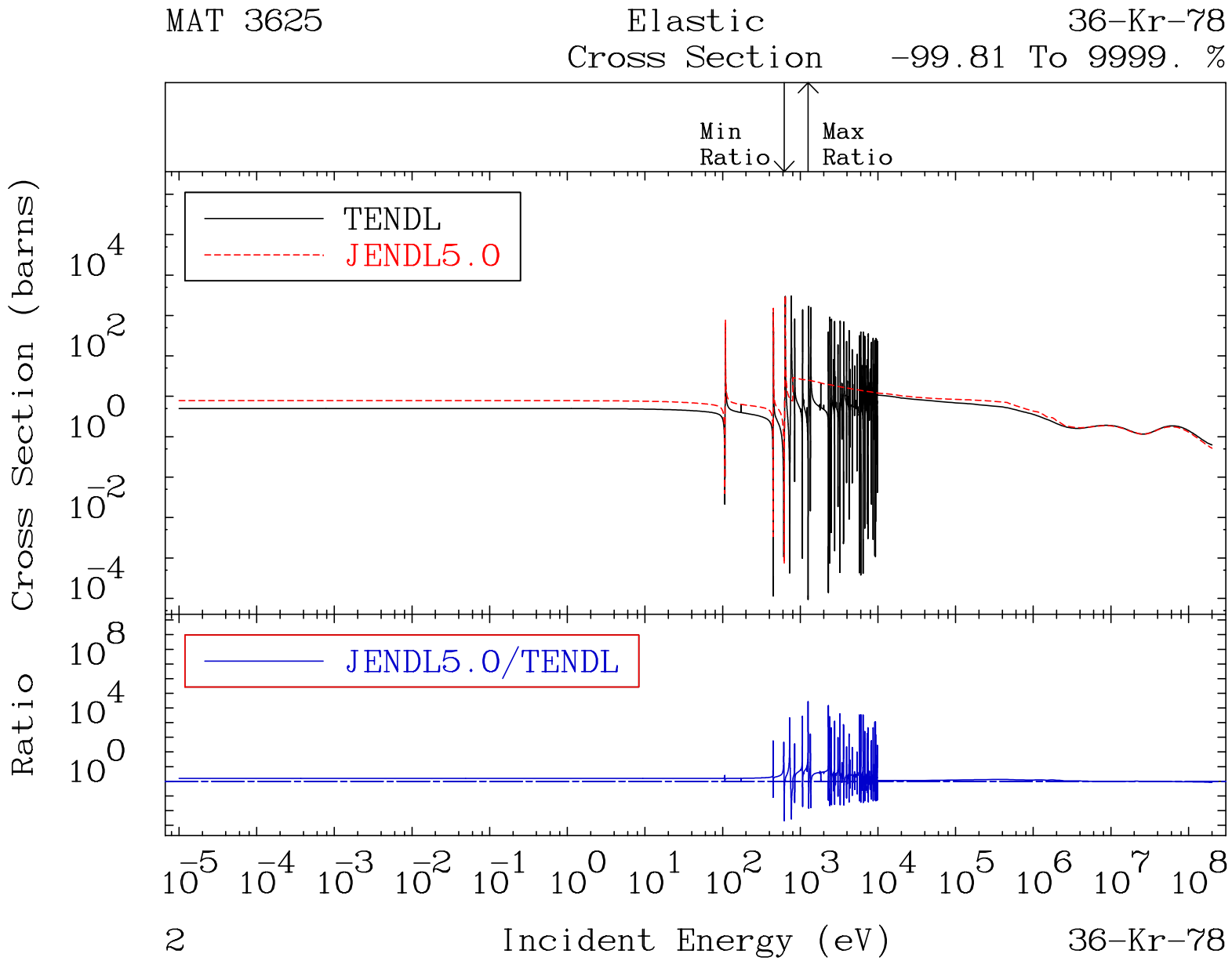
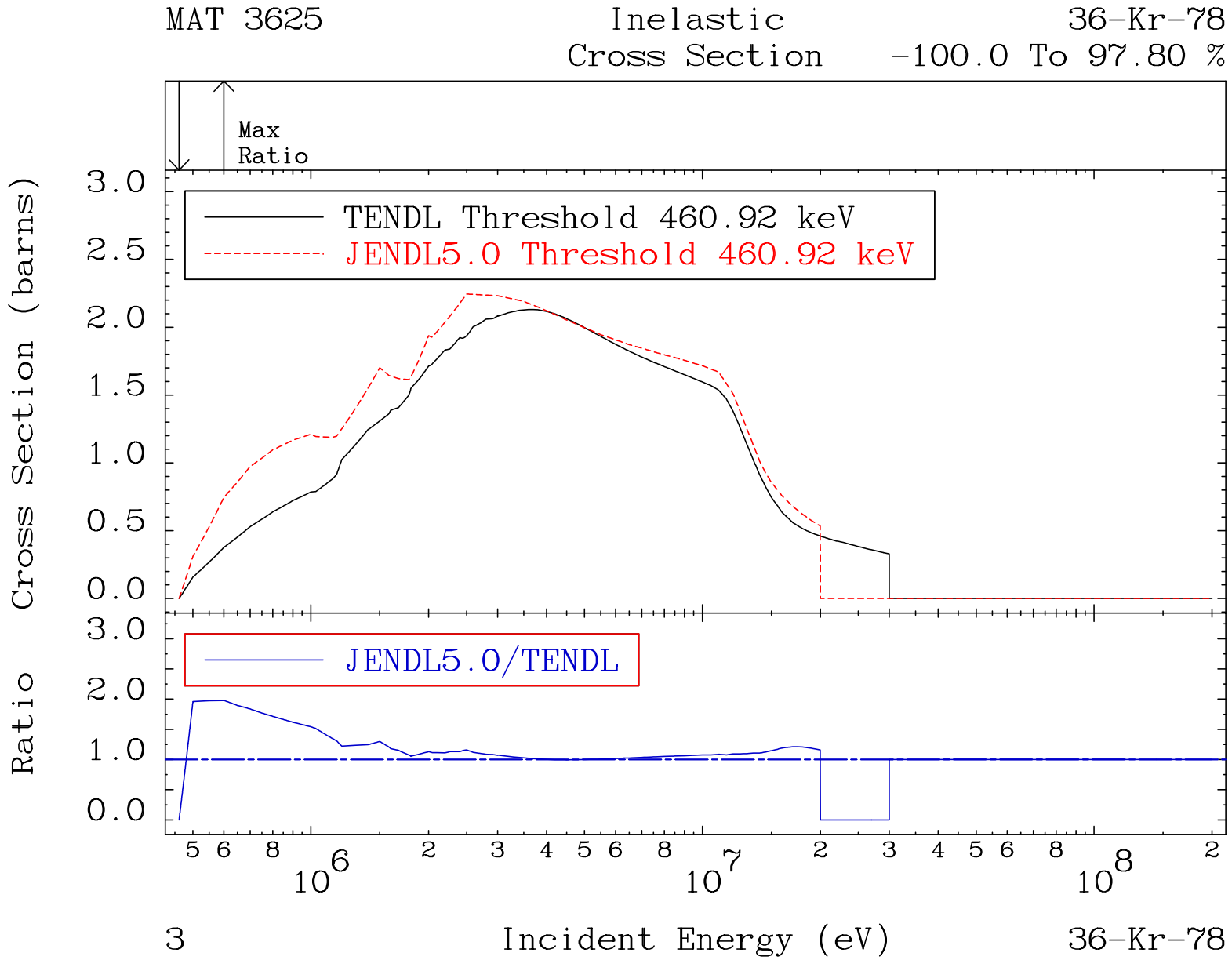
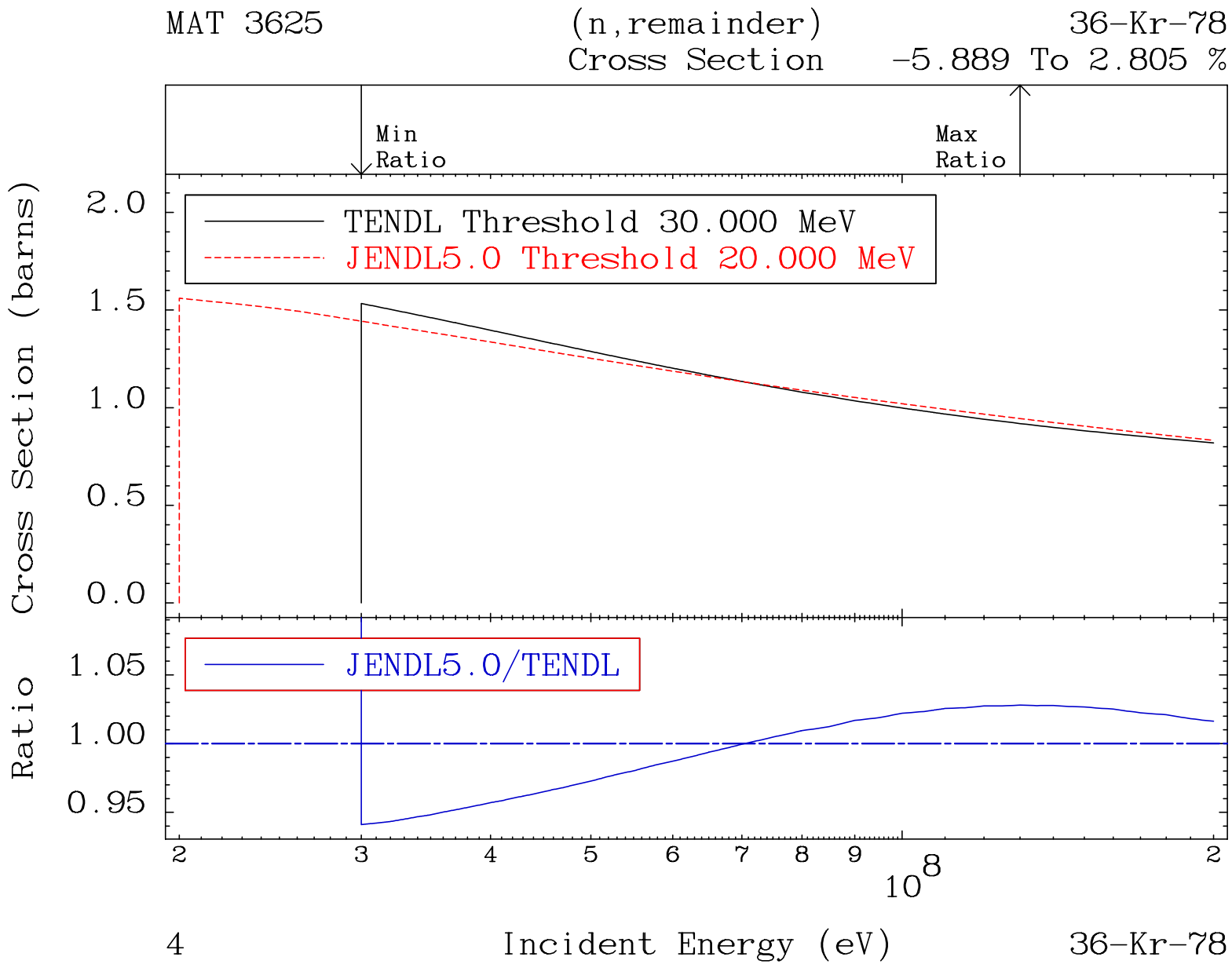
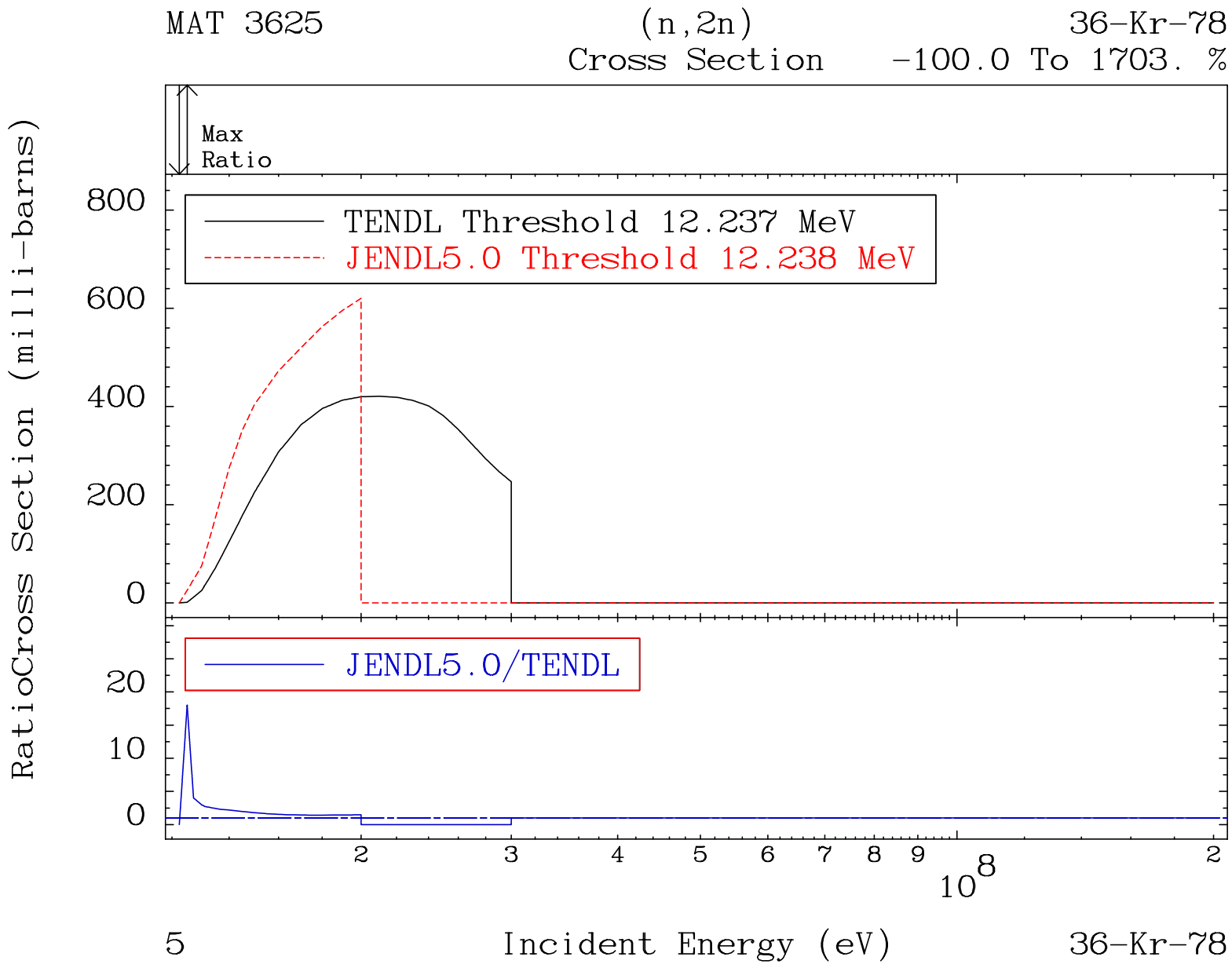
Press Mouse Button to Start

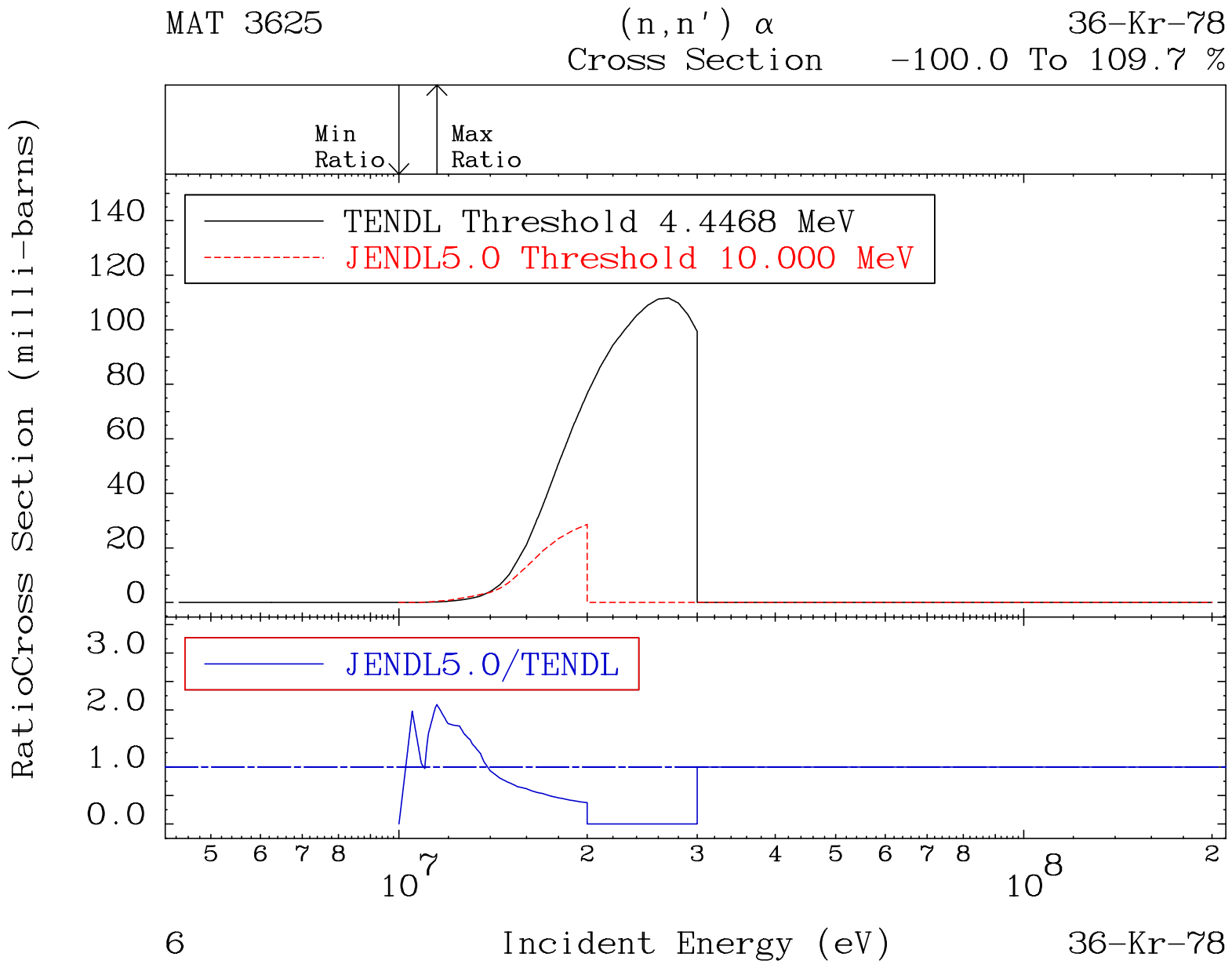

MAT 3625
Total
Cross Section
36-Kr-78
-99.75 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
36-Kr-78

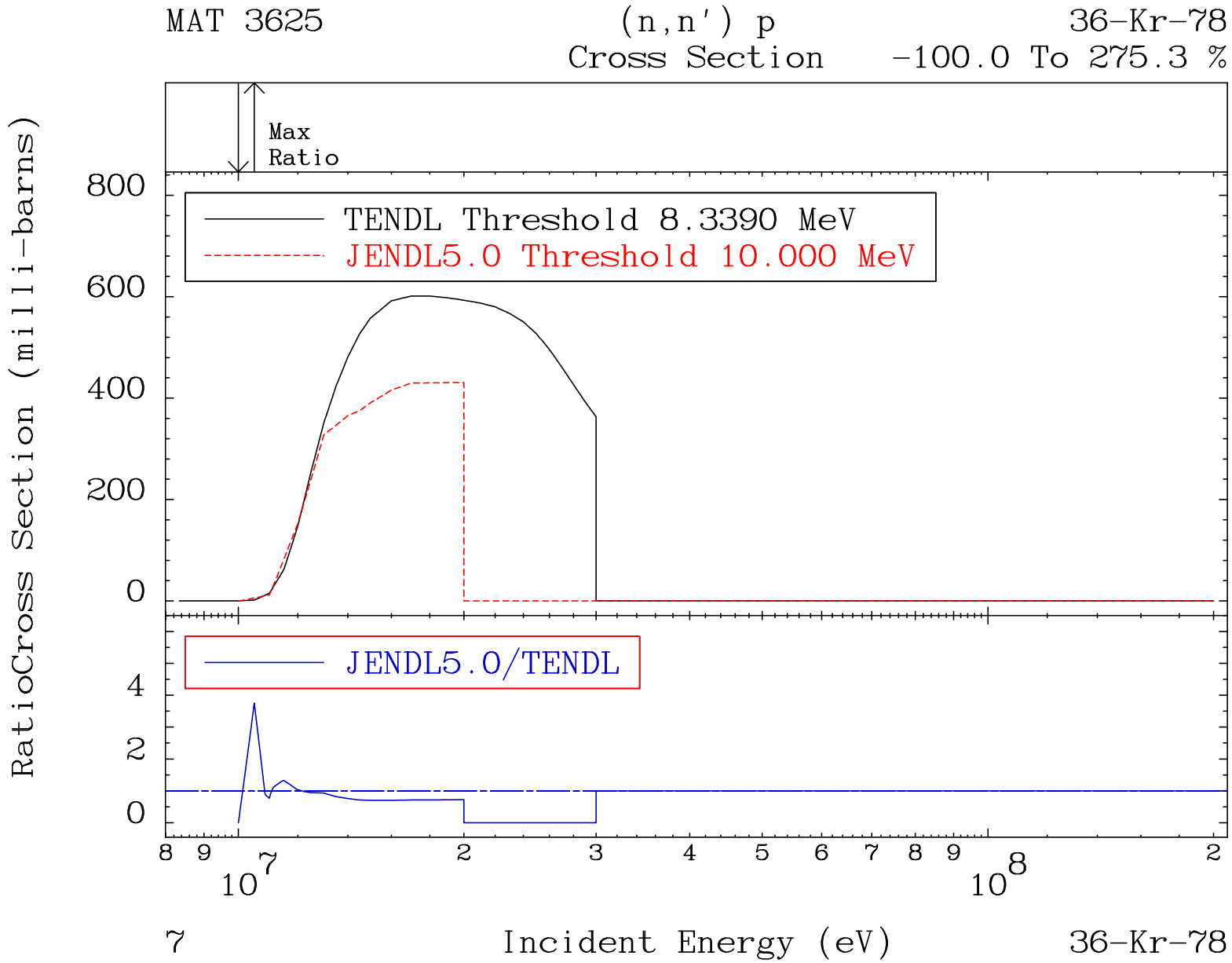

MAT 3625
Elastic
Cross Section
36-Kr-78
-99.81 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
36-Kr-78

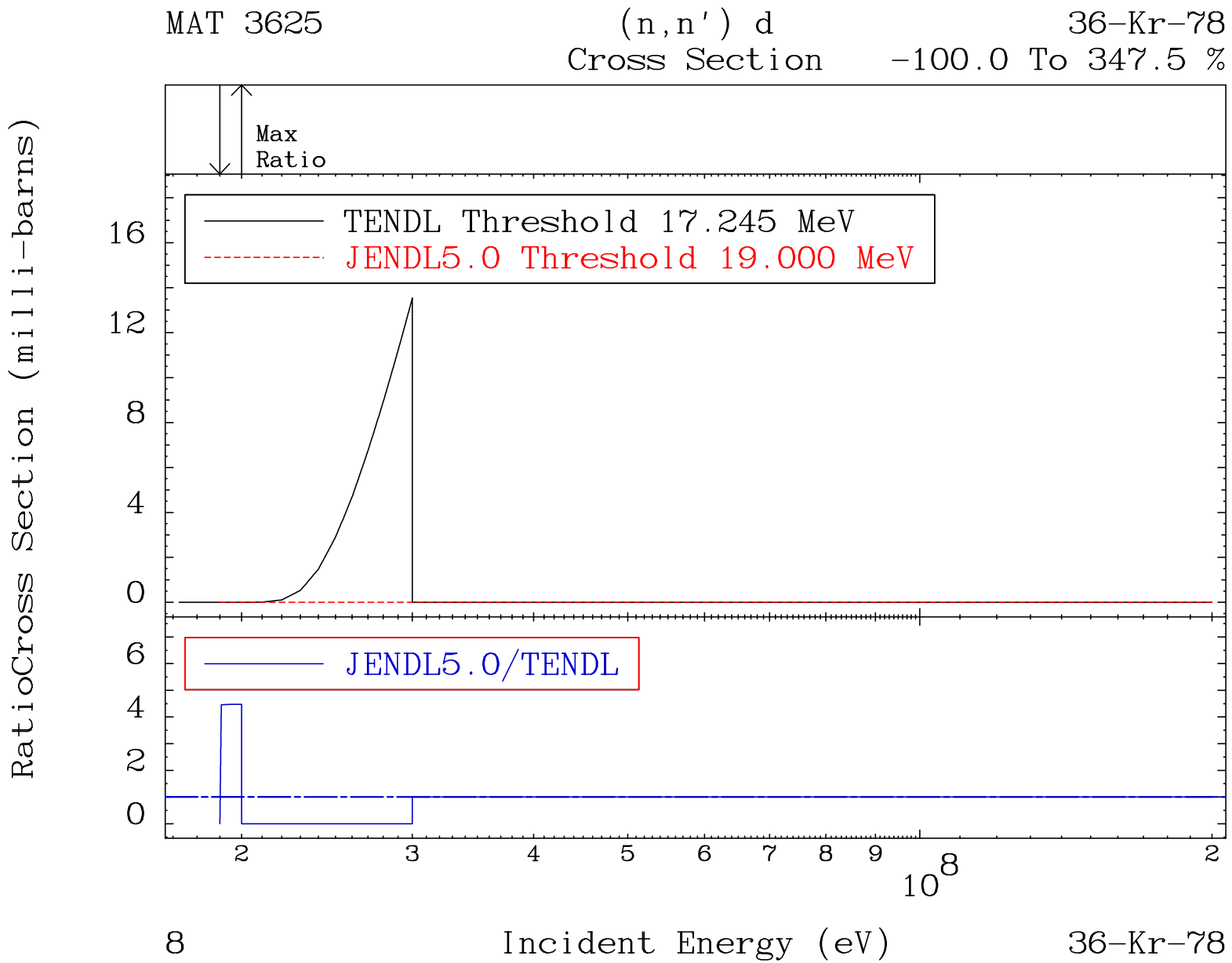

MAT 3625
Inelastic
Cross Section
36-Kr-78
-100.0 To 97.80 %
Max
Ratio
TENDL Threshold 460.92 keV
JENDL5.0 Threshold 460.92 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
36-Kr-78

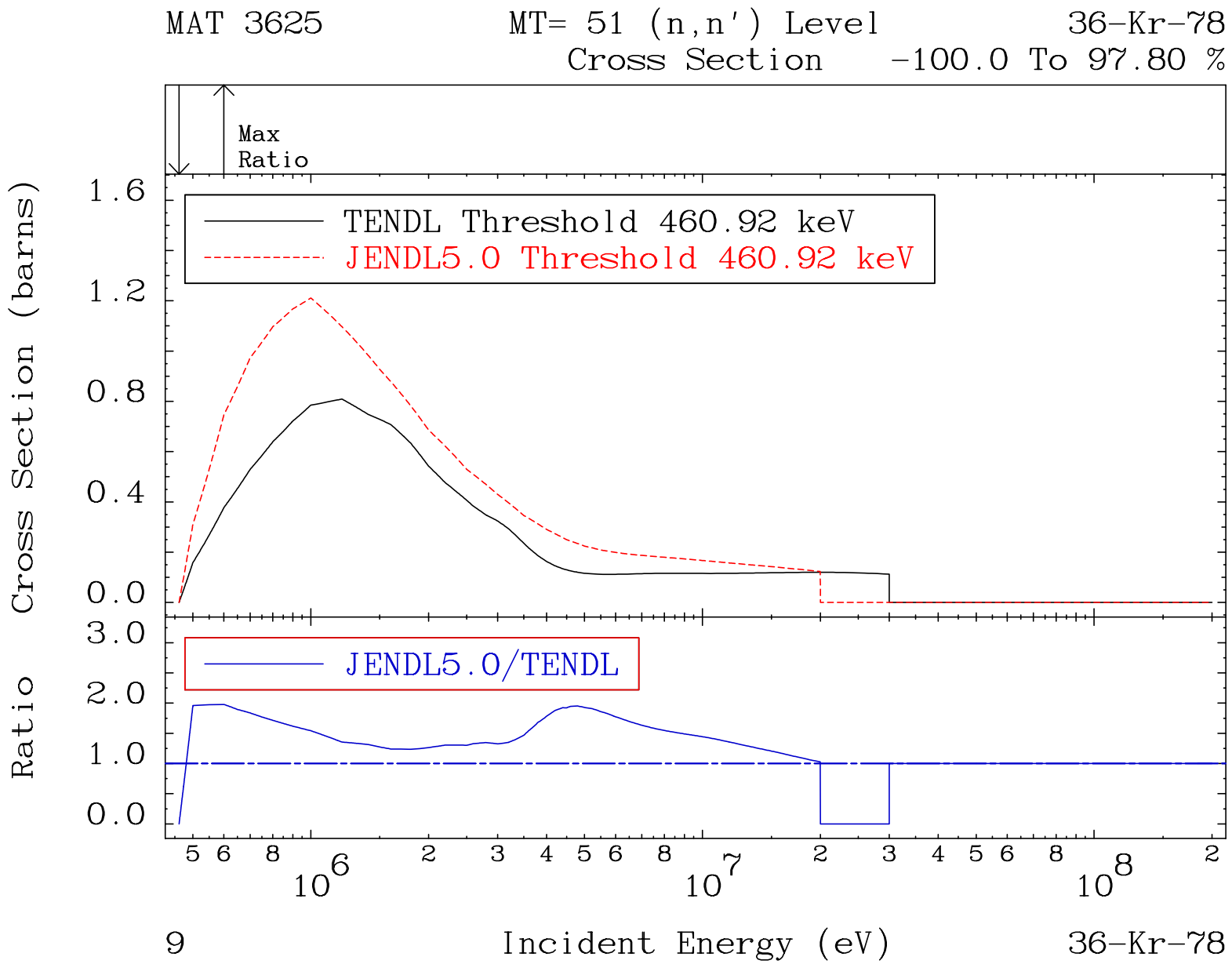

MAT 3625
(n,remainder)
Cross Section
36-Kr-78
-5.889 To 2.805 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.05
1.00
0.95
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
36-Kr-78

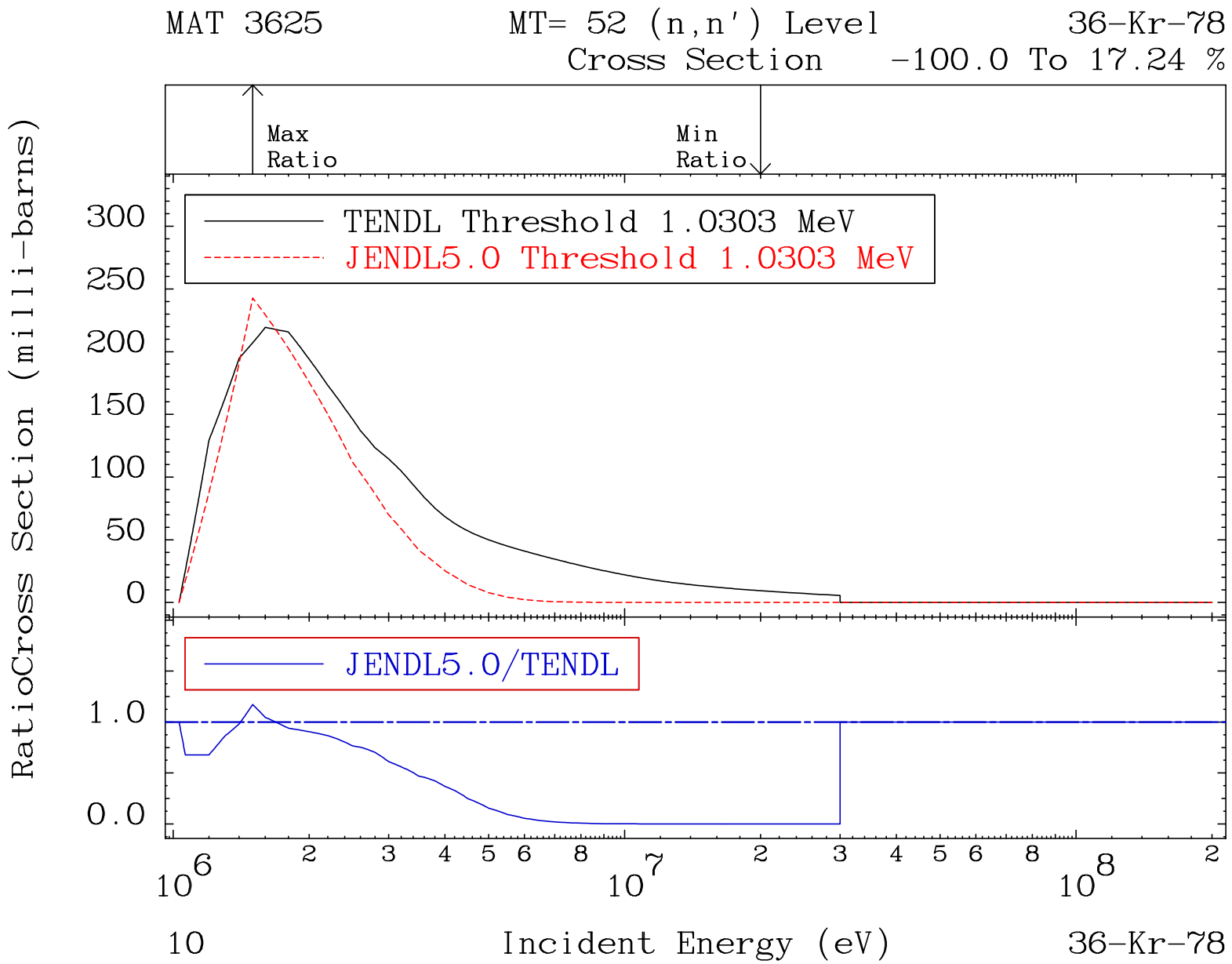

MAT 3625
(n,2n)
Cross Section
36-Kr-78
-100.0 To 1703. %
Max
Ratio
800
600
400
200
0
TENDL Threshold 12.237 MeV
JENDL5.0 Threshold 12.238 MeV
20
10
0
JENDL5.0/TENDL
2
3
4
5
6
7
8
9
2
10^8
RatioCross Section (milli-barns)
5
Incident Energy (eV)
36-Kr-78

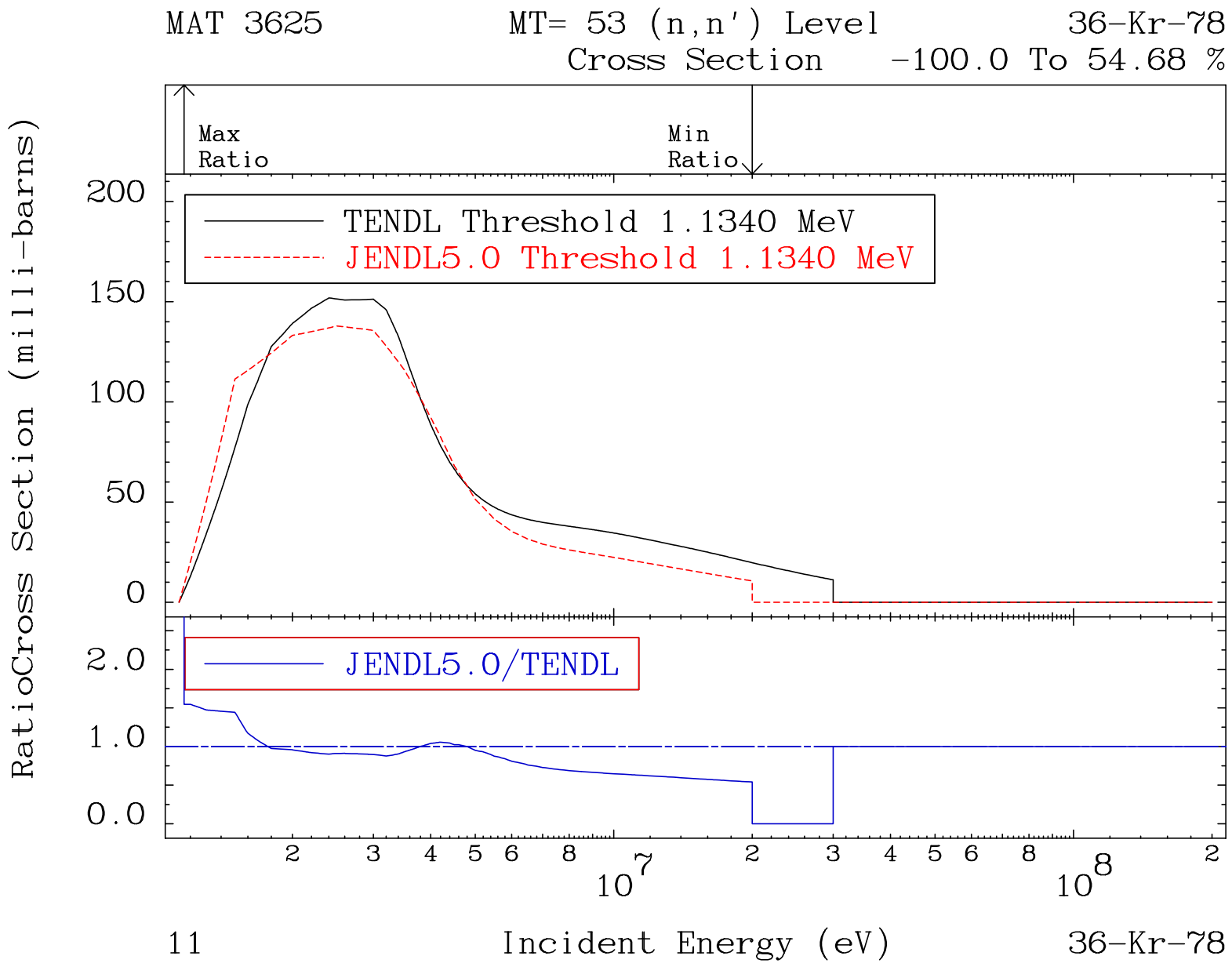

MAT 3625
(n,n') α
Cross Section
36-Kr-78
-100.0 To 109.7 %
Min Ratio
Max Ratio
TENDL Threshold 4.4468 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
36-Kr-78

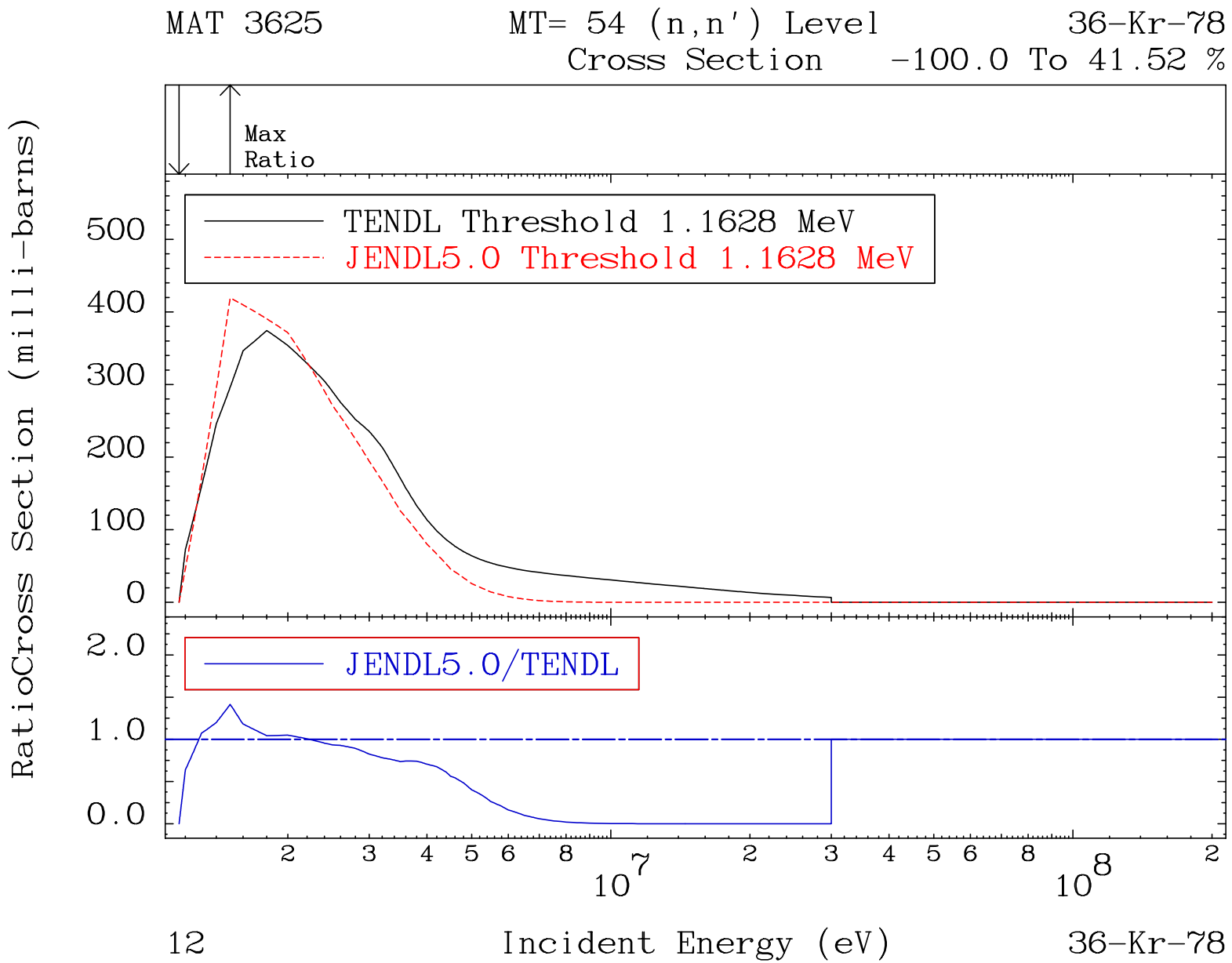

MAT 3625
(n,n') p
Cross Section
36-Kr-78
-100.0 To 275.3 %
Max
Ratio
TENDL Threshold 8.3390 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
4
2
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
36-Kr-78

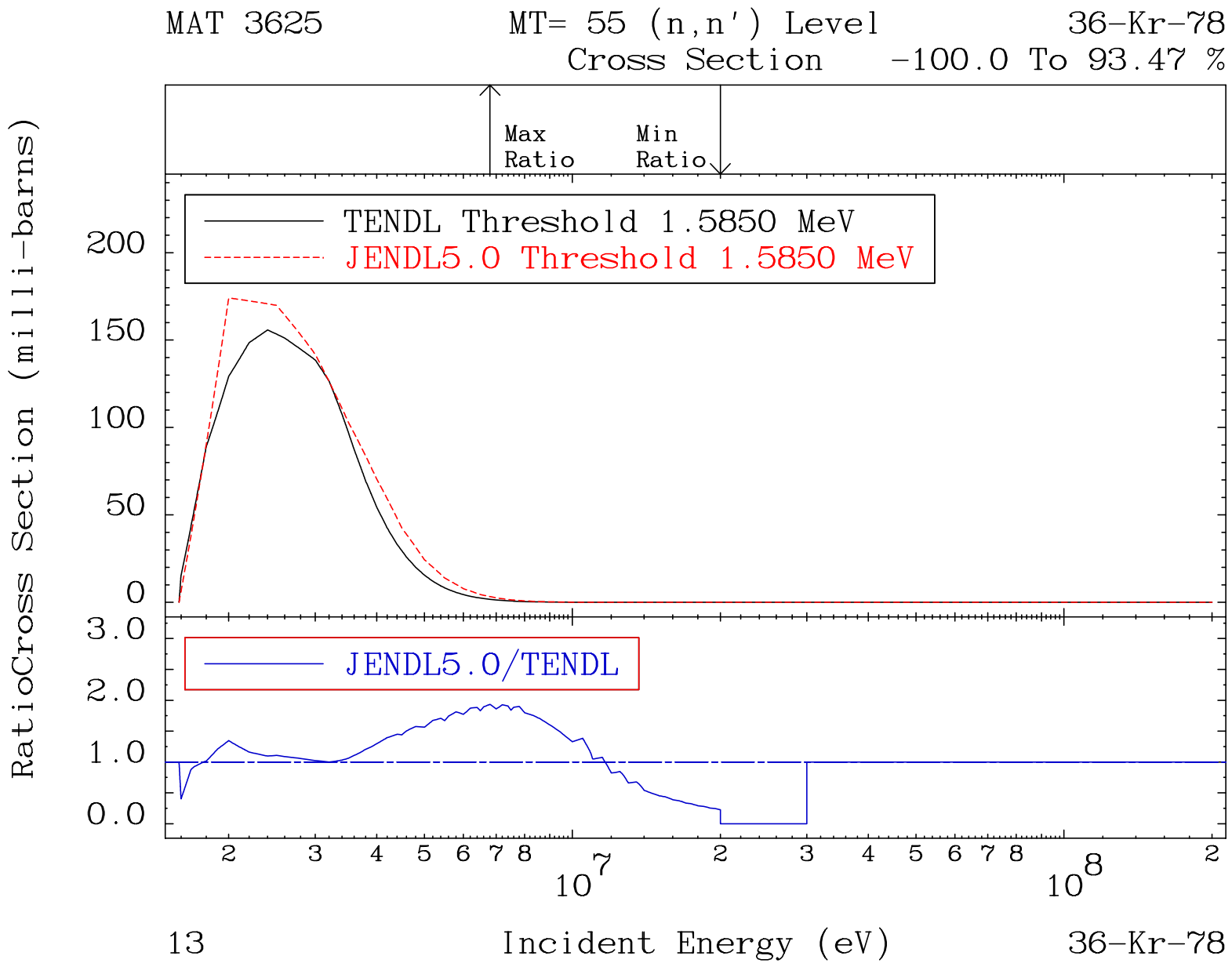

MAT 3625
(n,n') d
Cross Section
36-Kr-78
-100.0 To 347.5 %
Max
Ratio
TENDL Threshold 17.245 MeV
JENDL5.0 Threshold 19.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
36-Kr-78

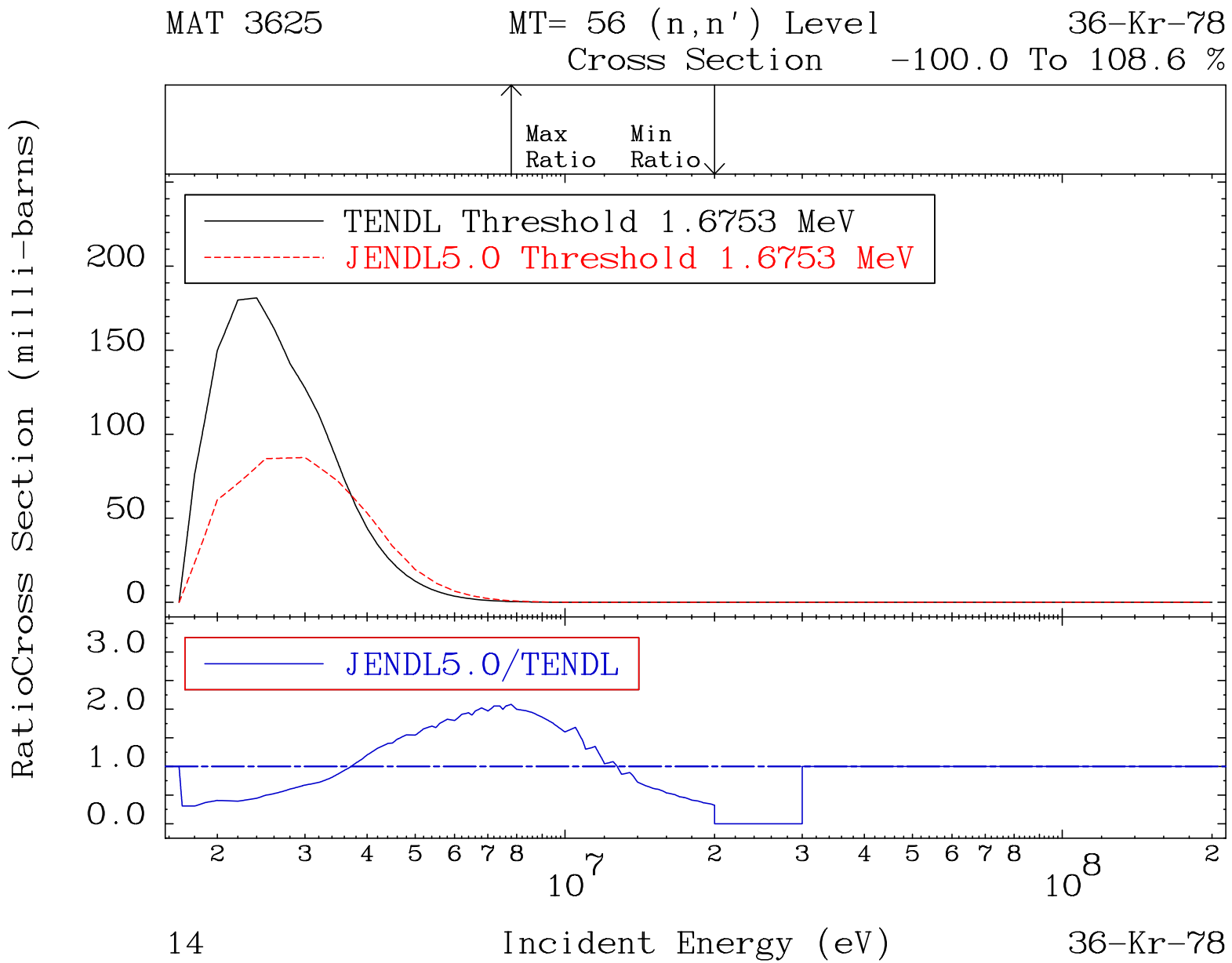

MAT 3625
MT= 51 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 97.80 %
Max
Ratio
TENDL Threshold 460.92 keV
JENDL5.0 Threshold 460.92 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
3.0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
9
36-Kr-78

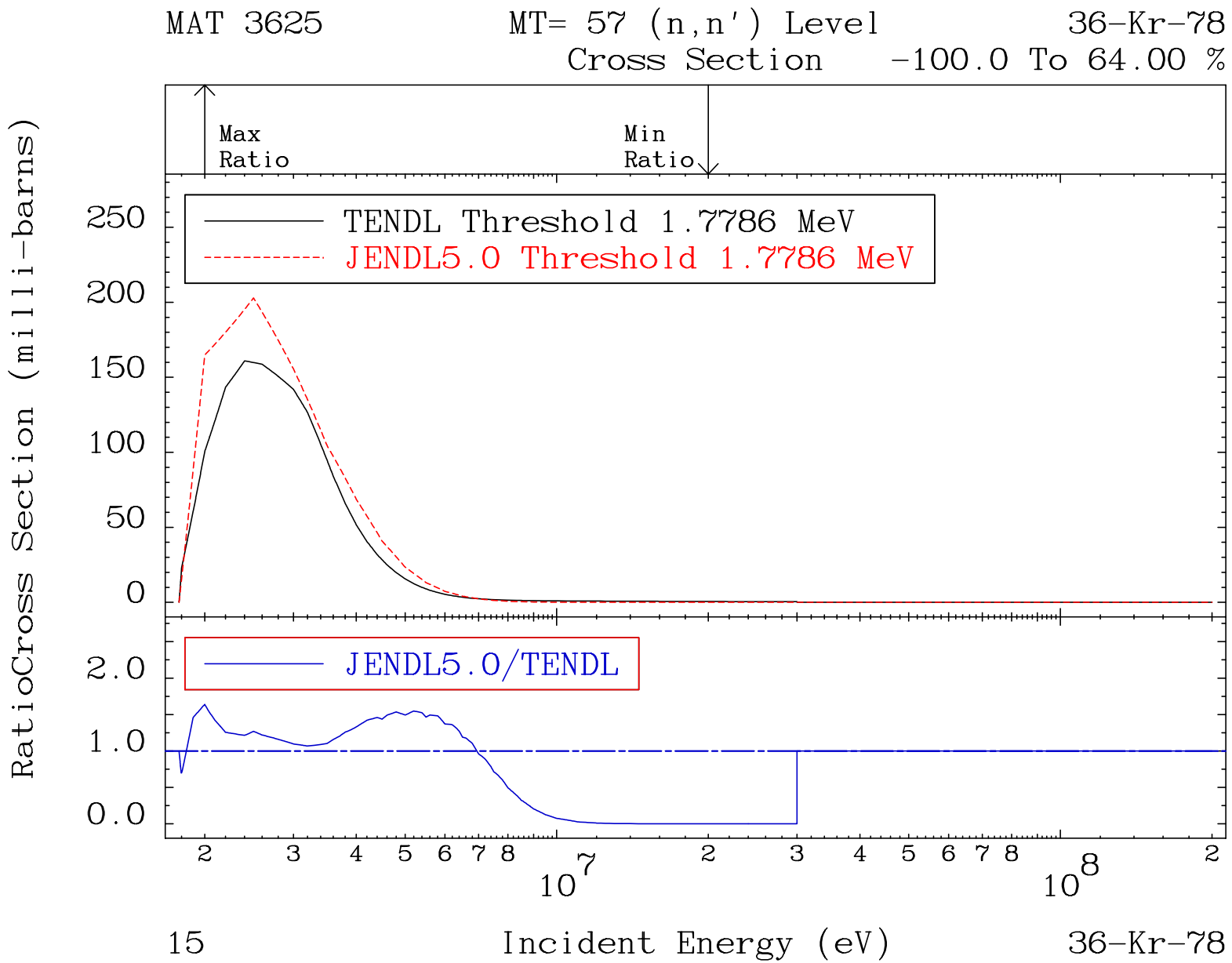

MAT 3625
MT= 52 (n,n') Level
36-Kr-78
Cross Section -100.0 To 17.24 %
Max Ratio
Min Ratio
TENDL Threshold 1.0303 MeV
JENDL5.0 Threshold 1.0303 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.0
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
10
Incident Energy (eV)
36-Kr-78

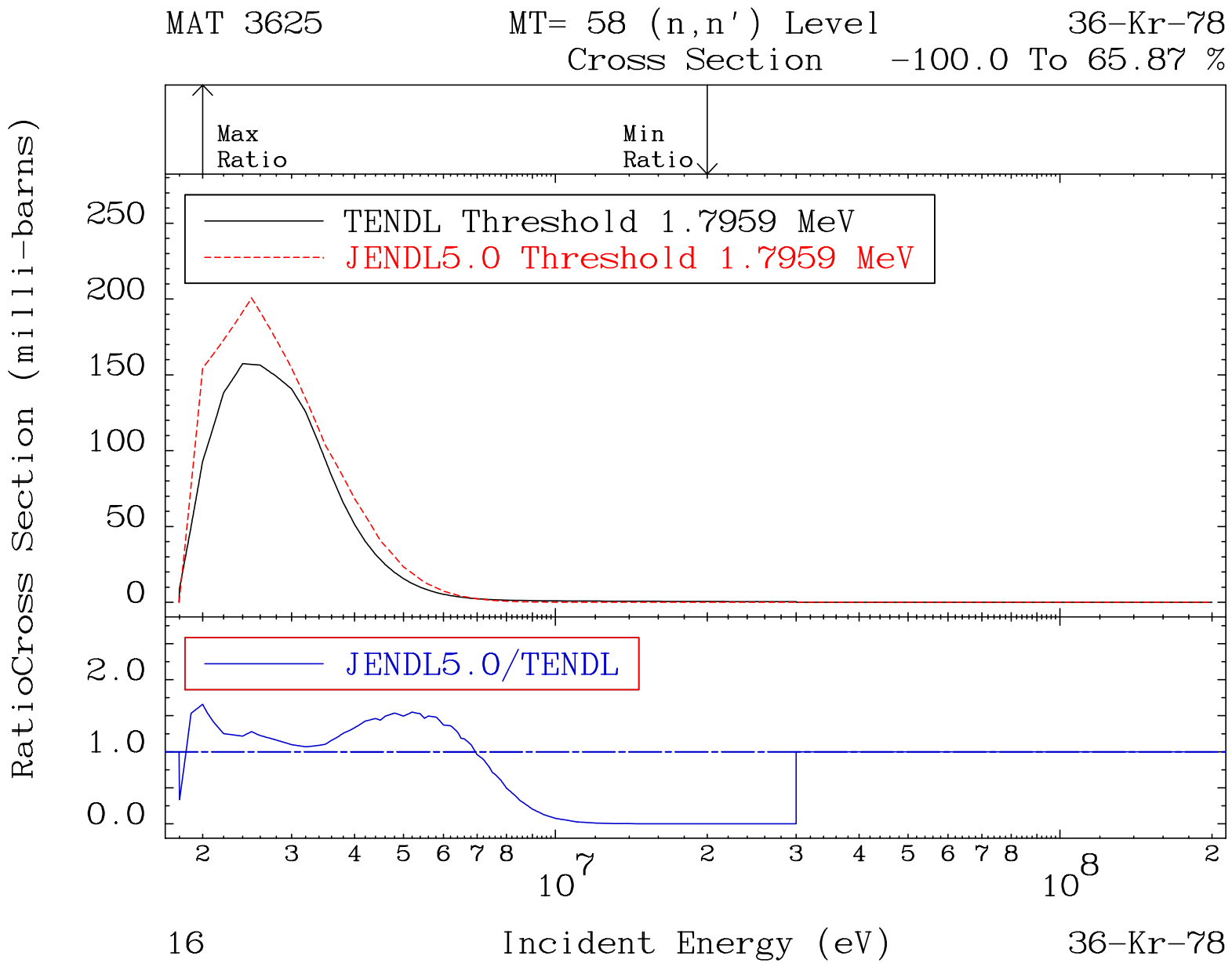

MAT 3625
MT= 53 (n,n') Level
36-Kr-78
Cross Section
-100.0 To 54.68 %
Max Ratio
Min Ratio
TENDL Threshold 1.1340 MeV
JENDL5.0 Threshold 1.1340 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
11
Incident Energy (eV)
36-Kr-78

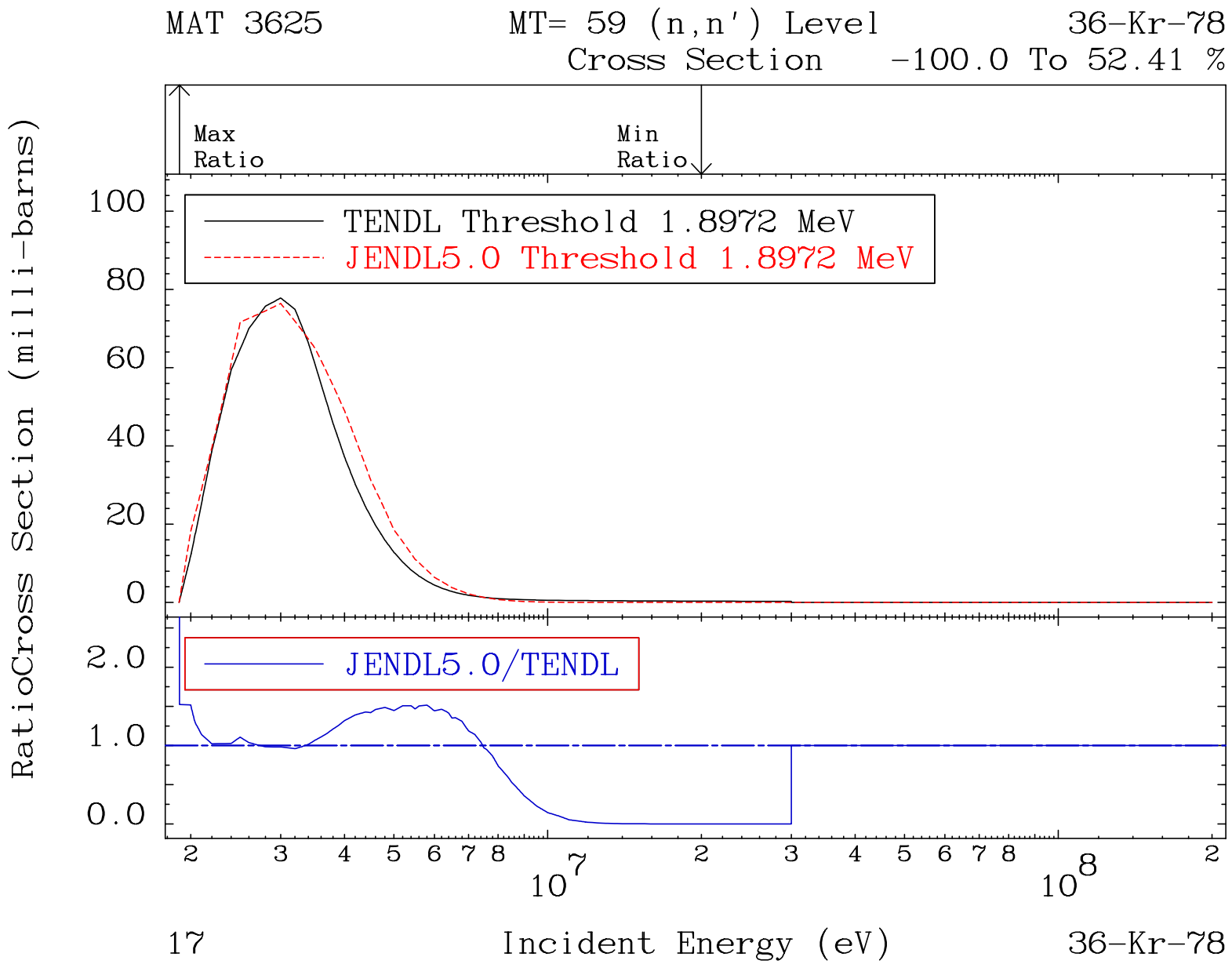

MAT 3625
MT= 54 (n,n') Level
36-Kr-78
Cross Section
-100.0 To 41.52 %
Max
Ratio
TENDL Threshold 1.1628 MeV
JENDL5.0 Threshold 1.1628 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
12
Incident Energy (eV)
36-Kr-78

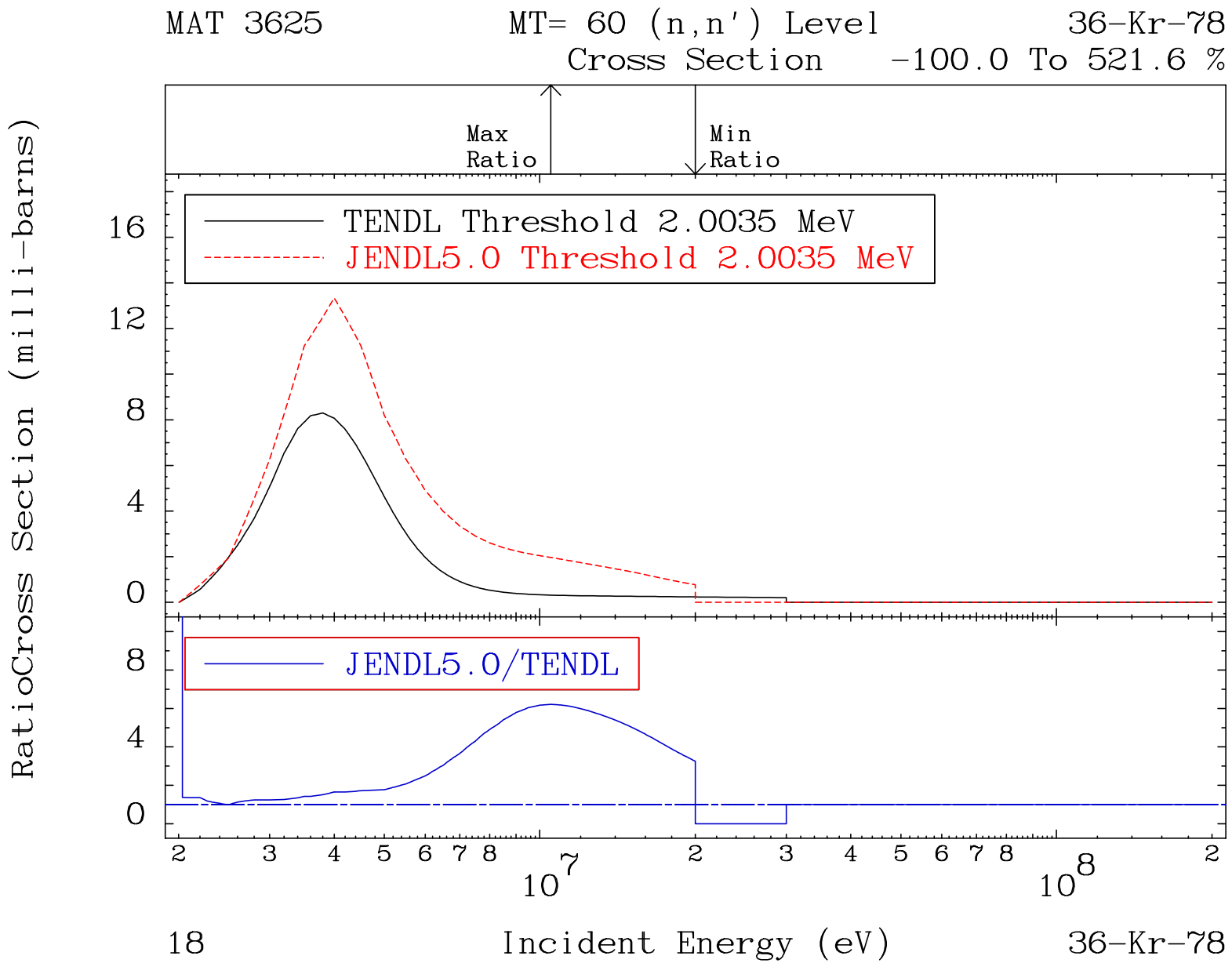

MAT 3625
MT= 55 (n,n') Level
36-Kr-78
Cross Section
-100.0 To 93.47 %
Max Ratio
Min Ratio
TENDL Threshold 1.5850 MeV
JENDL5.0 Threshold 1.5850 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
36-Kr-78

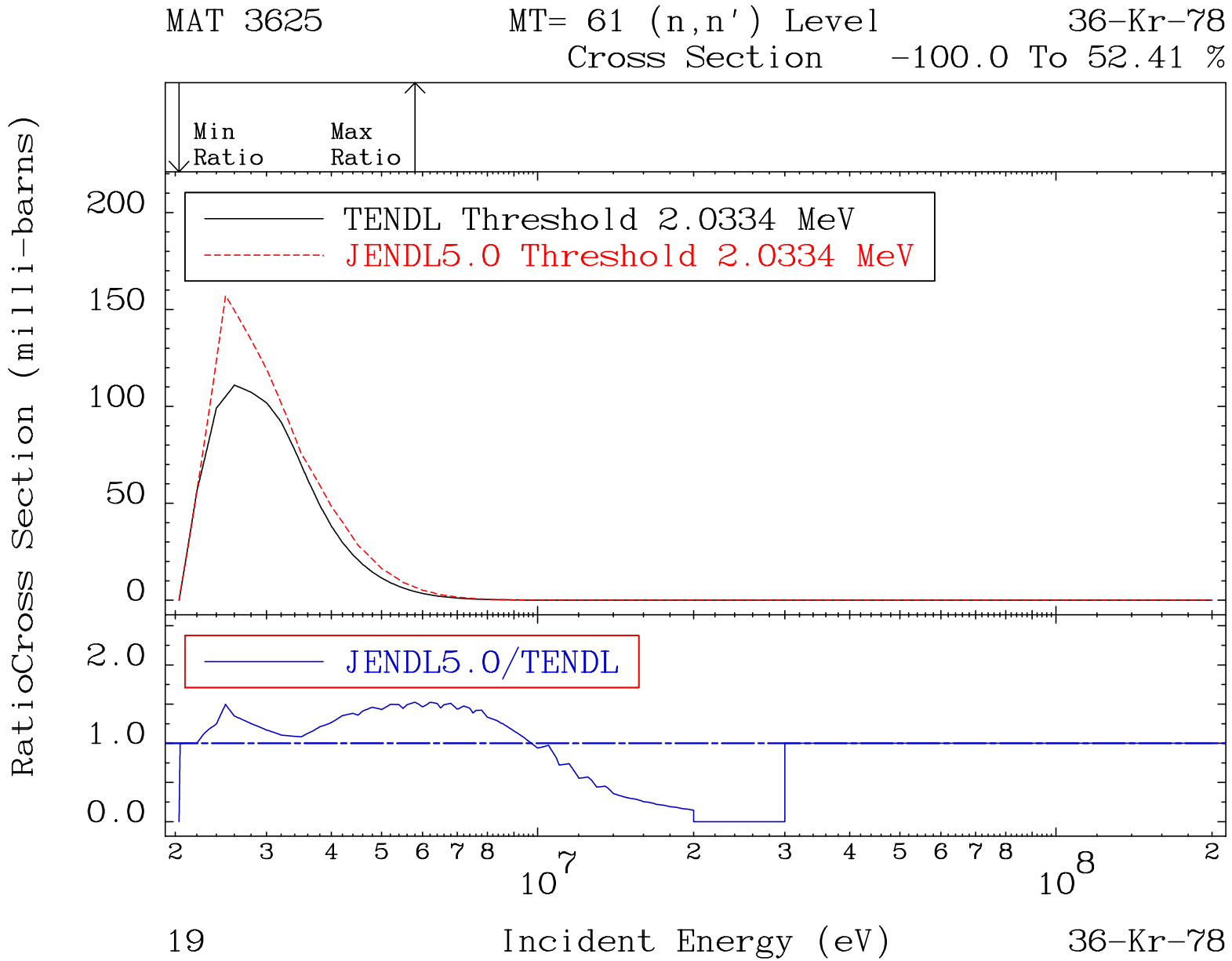

MAT 3625
MT= 56 (n,n') Level
36-Kr-78
Cross Section
-100.0 To 108.6 %
Max Ratio
Min Ratio
TENDL Threshold 1.6753 MeV
JENDL5.0 Threshold 1.6753 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
36-Kr-78

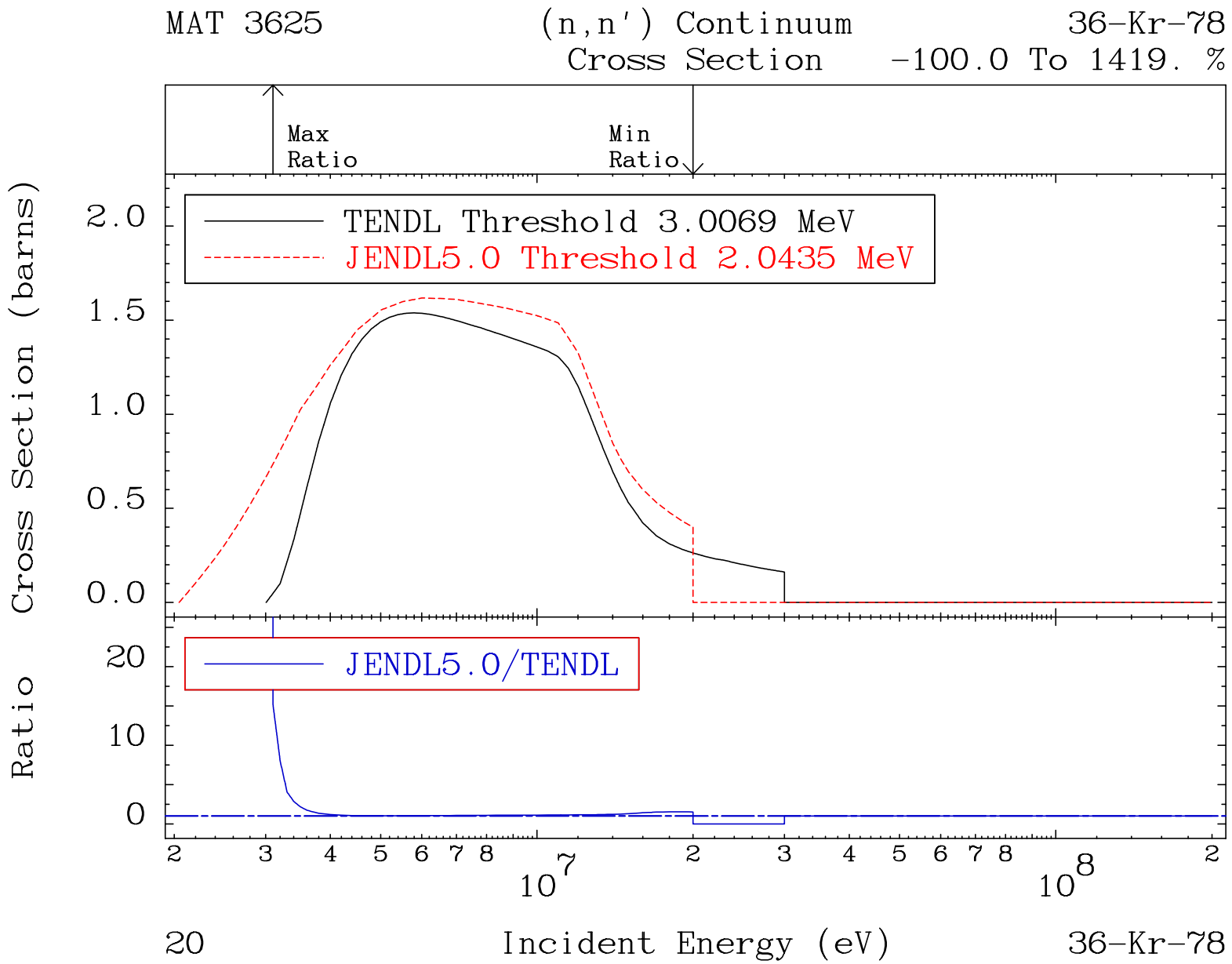

MAT 3625
MT= 57 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 64.00 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.7786 MeV
JENDL5.0 Threshold 1.7786 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
36-Kr-78

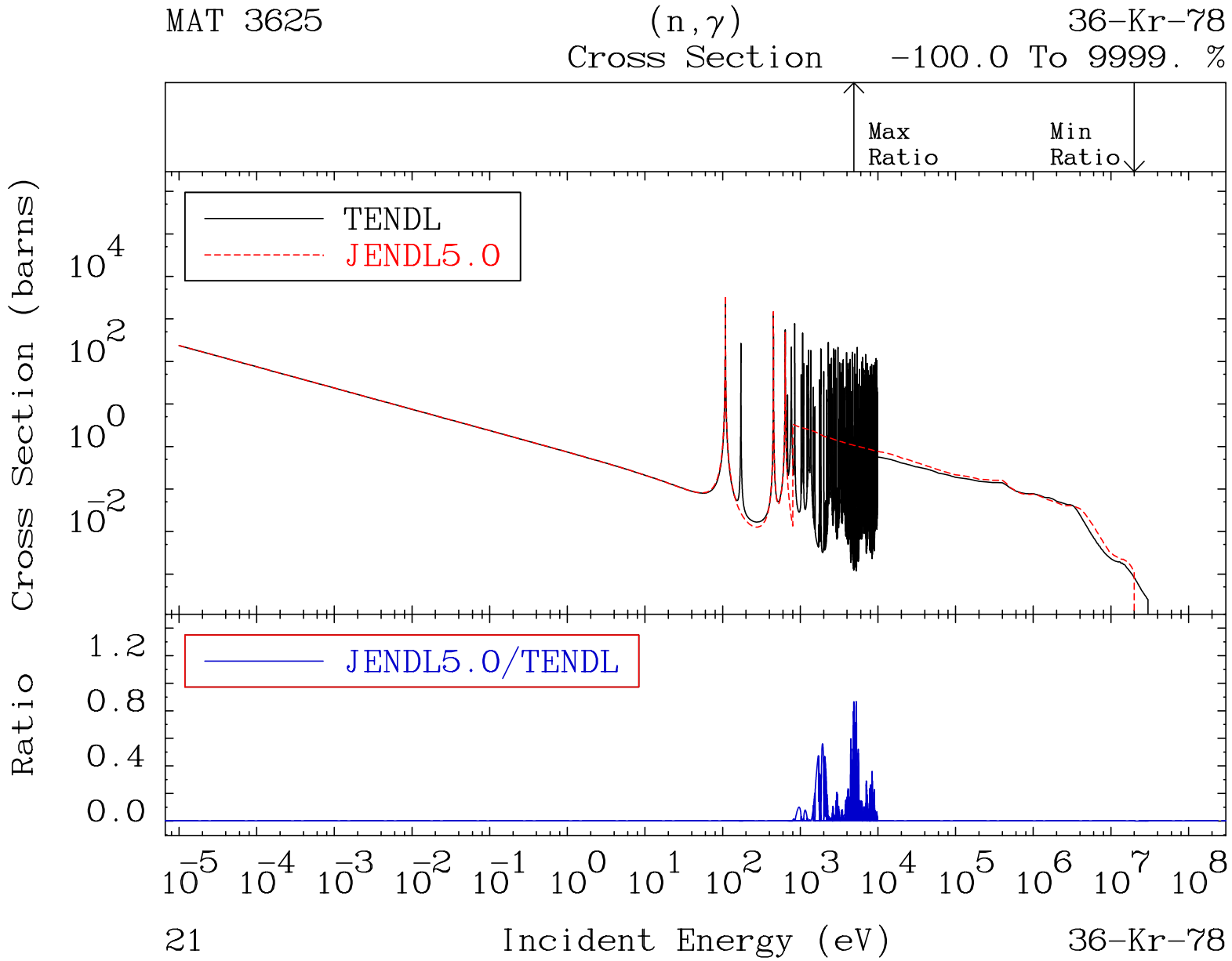

MAT 3625
MT= 58 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 65.87 %
Max Ratio
Min Ratio
TENDL Threshold 1.7959 MeV
JENDL5.0 Threshold 1.7959 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
36-Kr-78

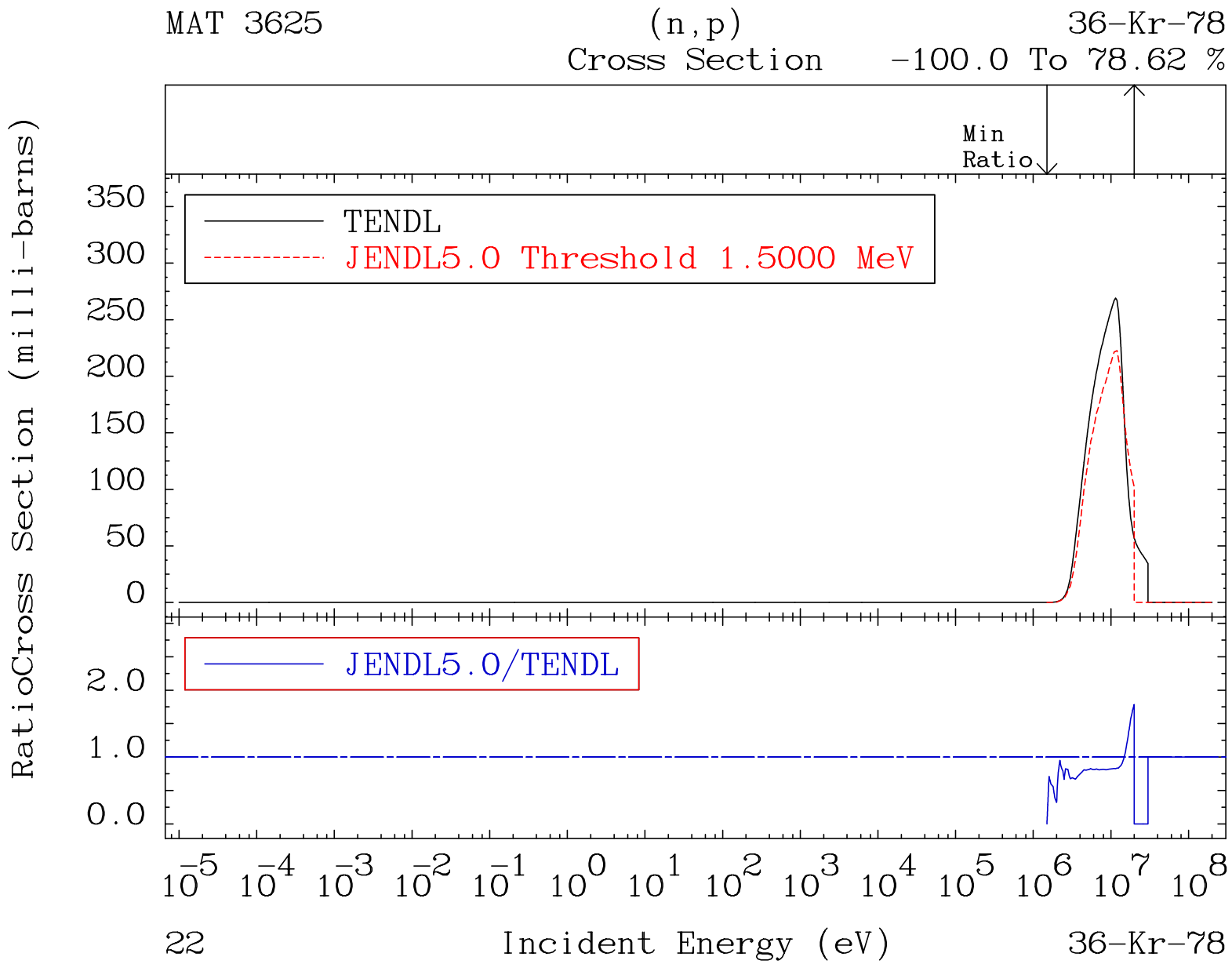

MAT 3625
MT= 59 (n,n') Level
36-Kr-78
Cross Section
-100.0 To 52.41 %
Max Ratio
Min Ratio
TENDL Threshold 1.8972 MeV
JENDL5.0 Threshold 1.8972 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
36-Kr-78

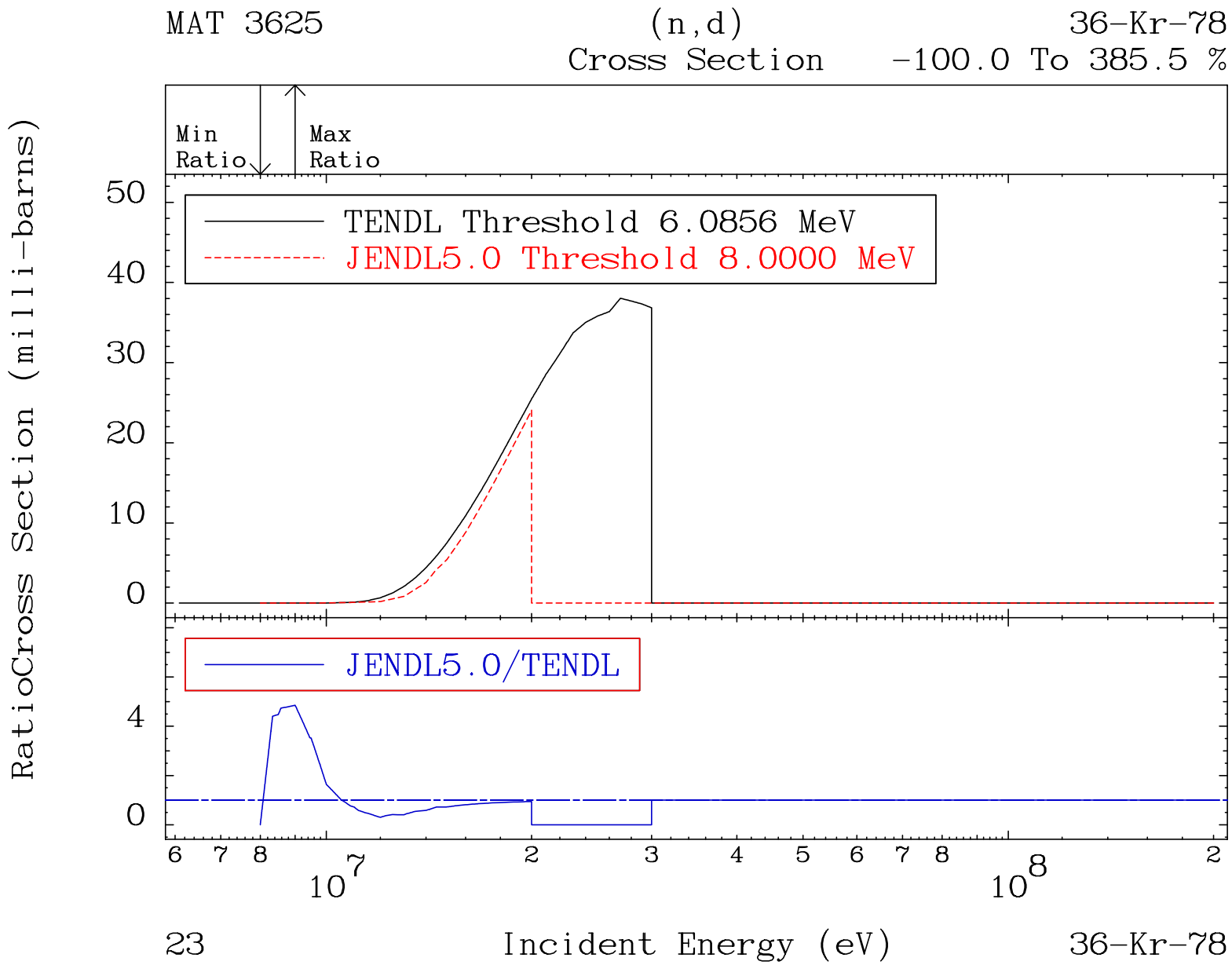

MAT 3625
MT= 60 (n,n') Level
36-Kr-78
Cross Section -100.0 To 521.6 %
Max Ratio
Min Ratio
TENDL Threshold 2.0035 MeV
JENDL5.0 Threshold 2.0035 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
8
4
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
36-Kr-78

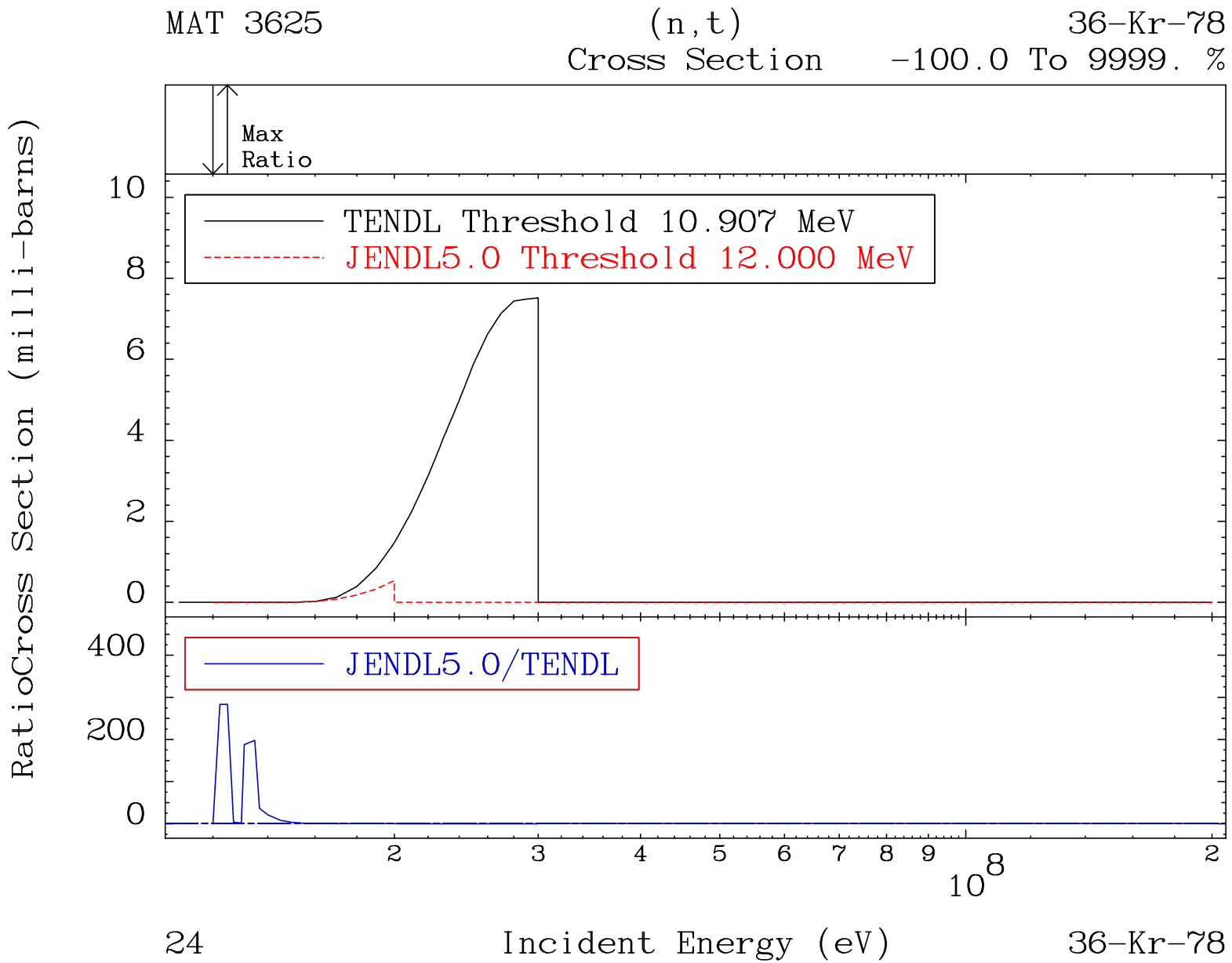

MAT 3625
MT= 61 (n,n') Level
36-Kr-78
Cross Section -100.0 To 52.41 %
Min Ratio
Max Ratio
TENDL Threshold 2.0334 MeV
JENDL5.0 Threshold 2.0334 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
36-Kr-78

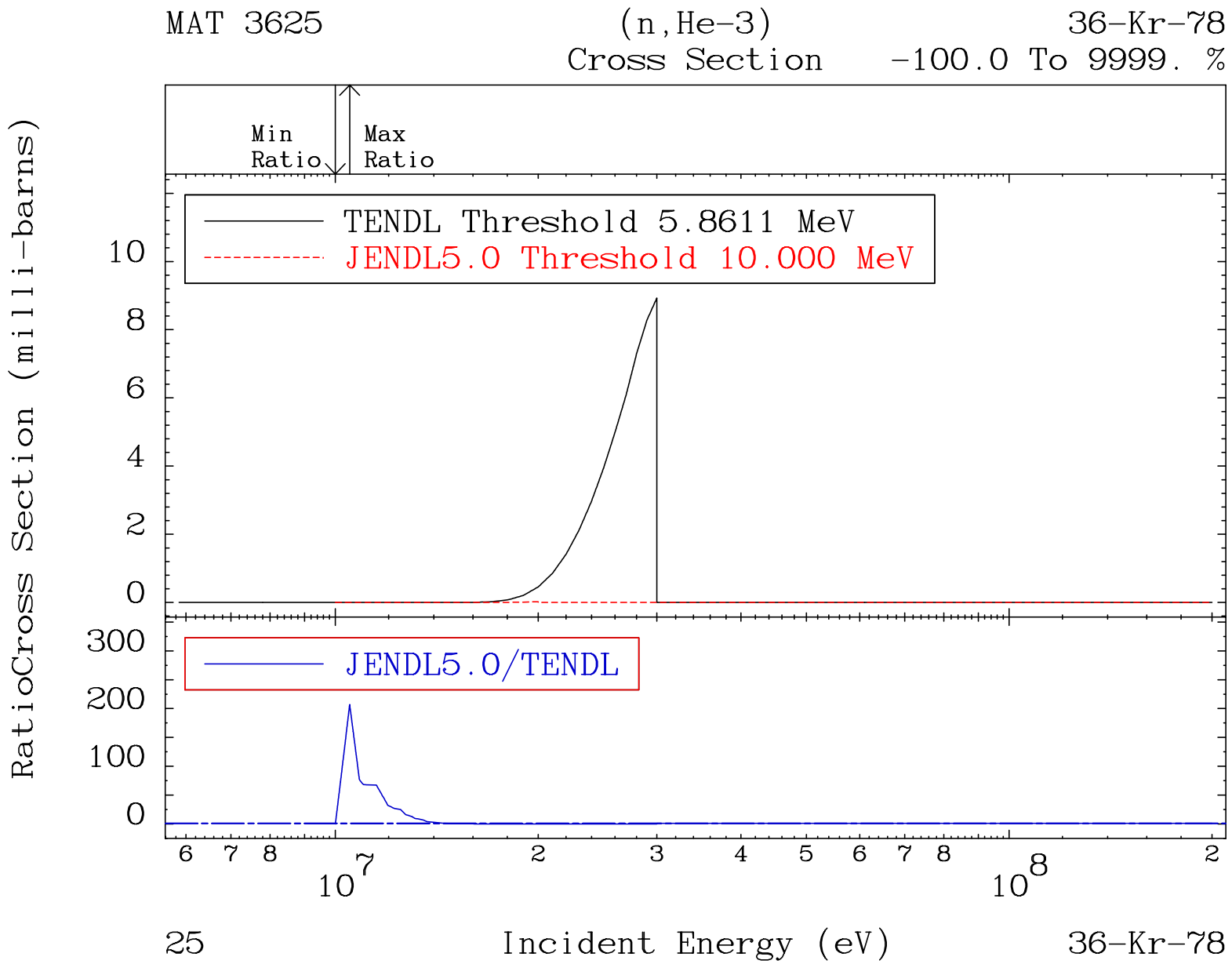

MAT 3625
(n,n') Continuum
Cross Section
36-Kr-78
-100.0 To 1419. %
Max
Ratio
Min
Ratio
TENDL Threshold 3.0069 MeV
JENDL5.0 Threshold 2.0435 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
20
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
36-Kr-78

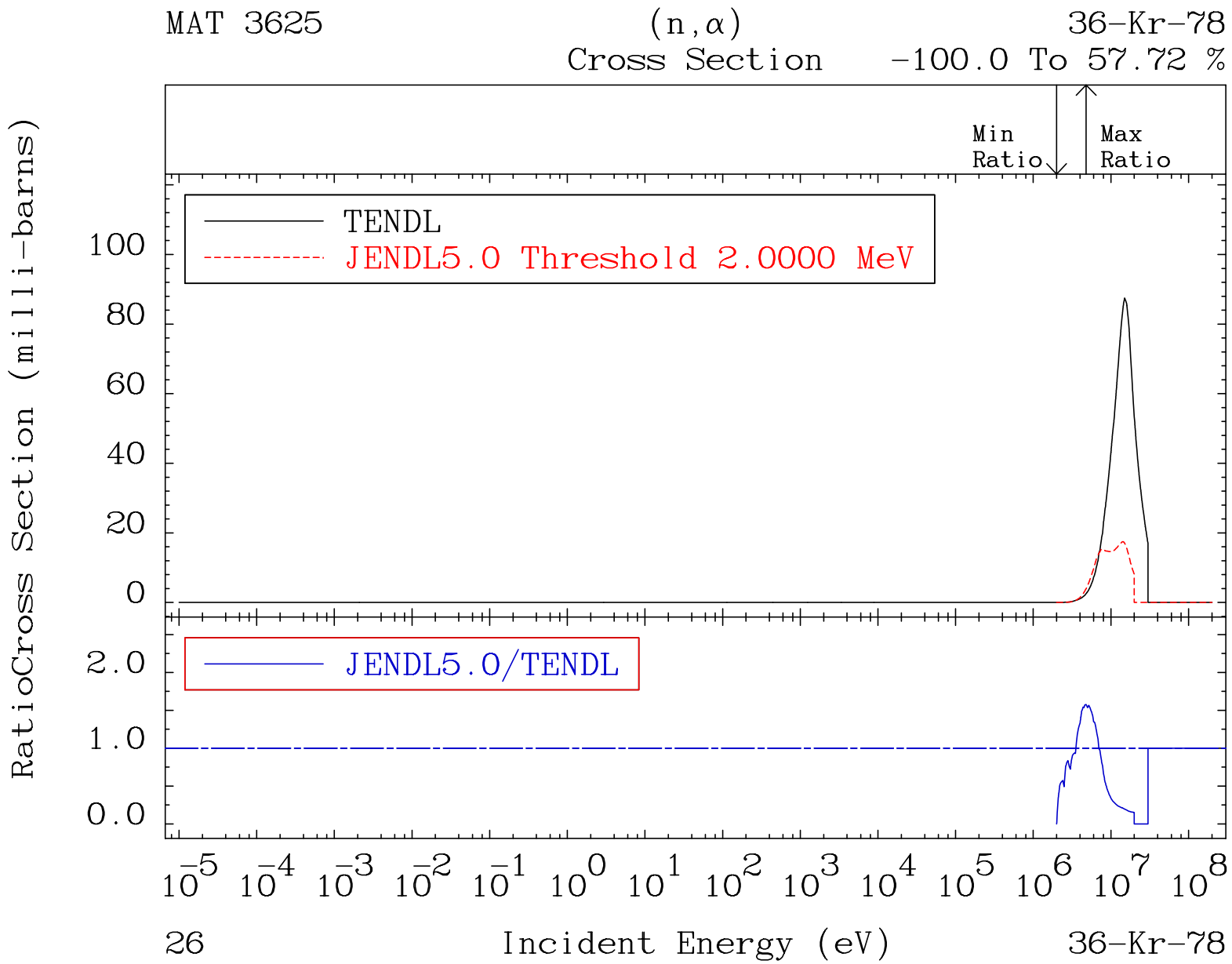

MAT 3625
(n,γ)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
1.2
0.8
0.4
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
21
Incident Energy (eV)
36-Kr-78

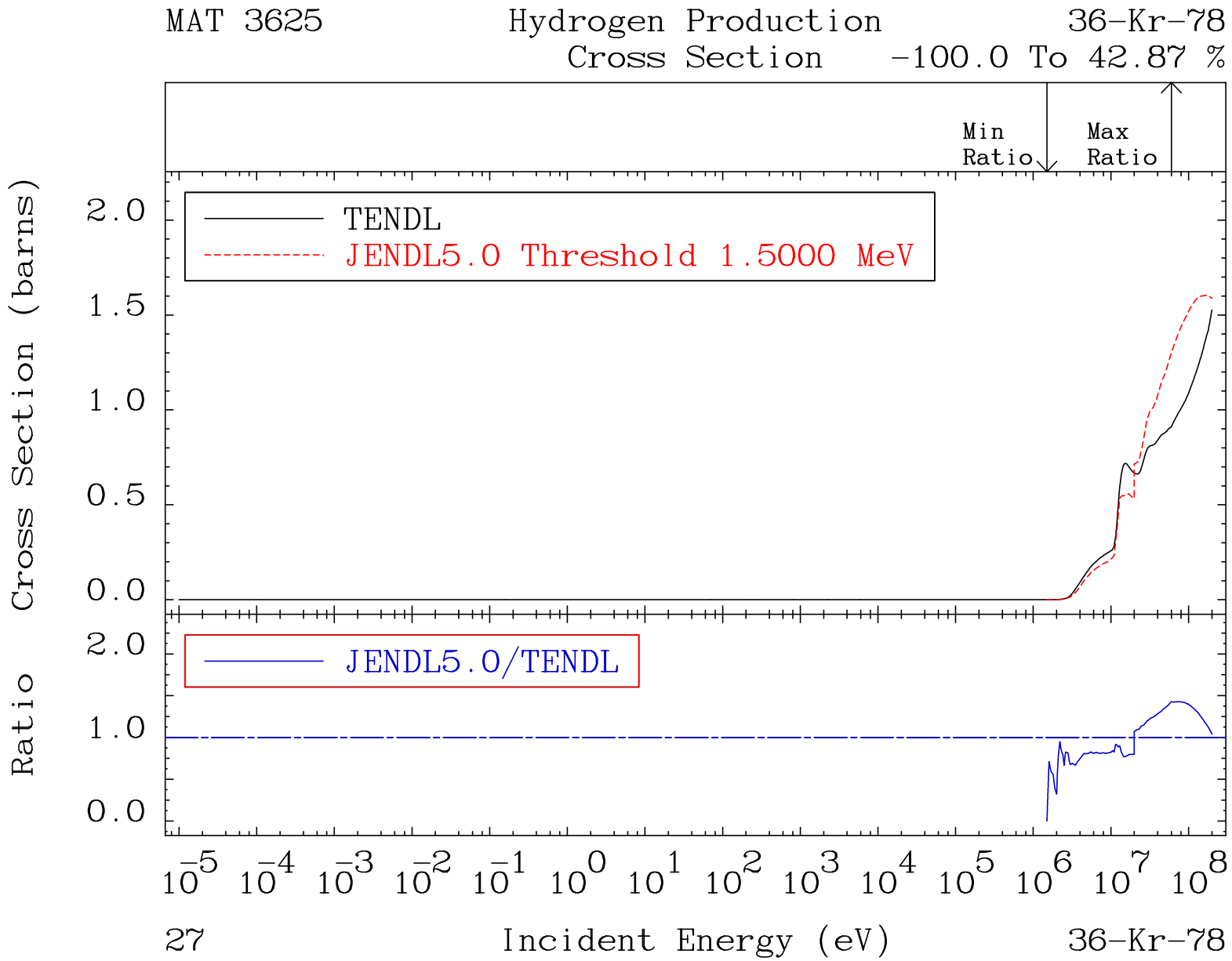

MAT 3625
(n,p)
Cross Section
36-Kr-78
-100.0 To 78.62 %
Min
Ratio
TENDL
JENDL5.0 Threshold 1.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
22
Incident Energy (eV)
36-Kr-78

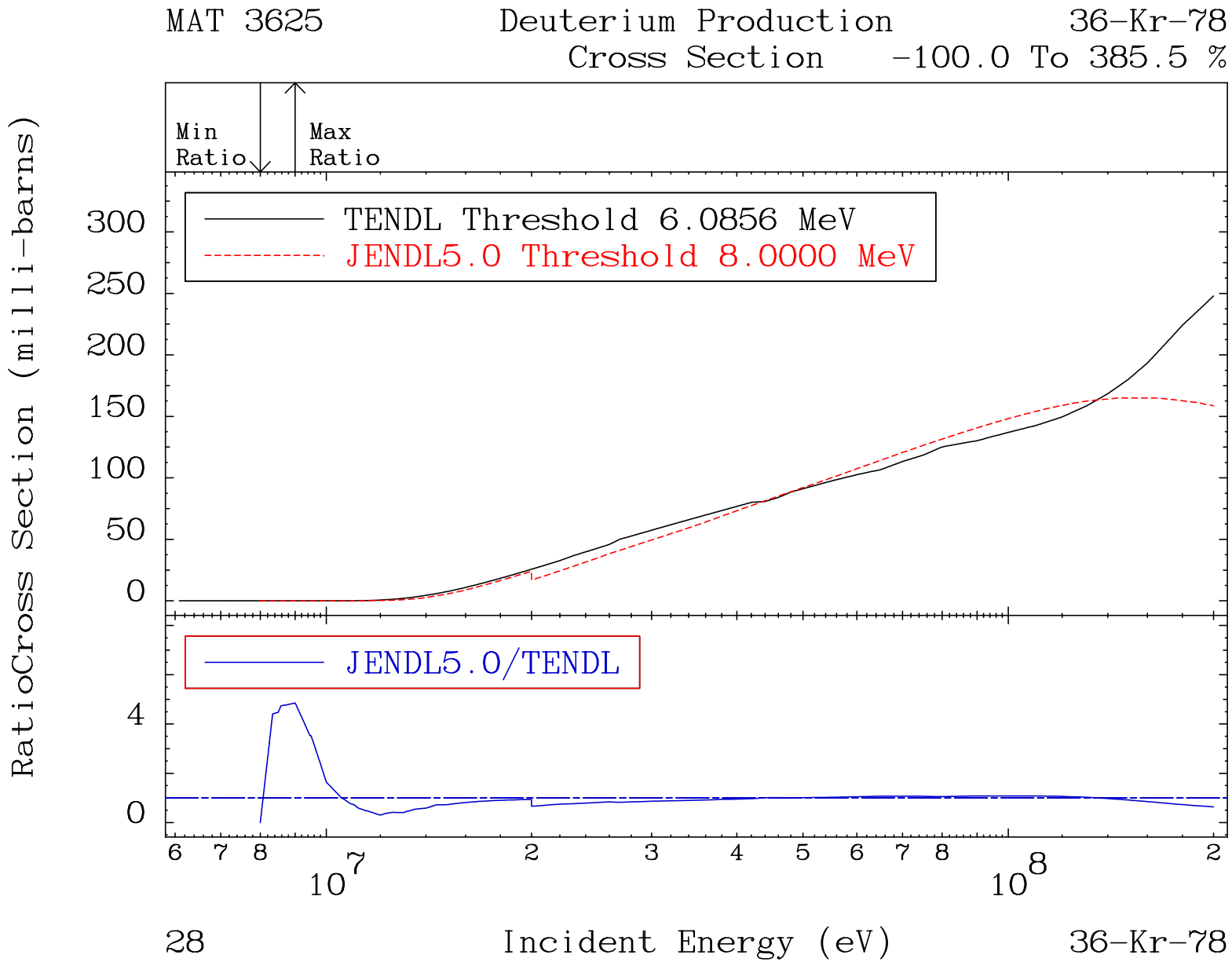

MAT 3625
(n,d)
Cross Section
36-Kr-78
-100.0 To 385.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JENDL5.0 Threshold 8.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
36-Kr-78

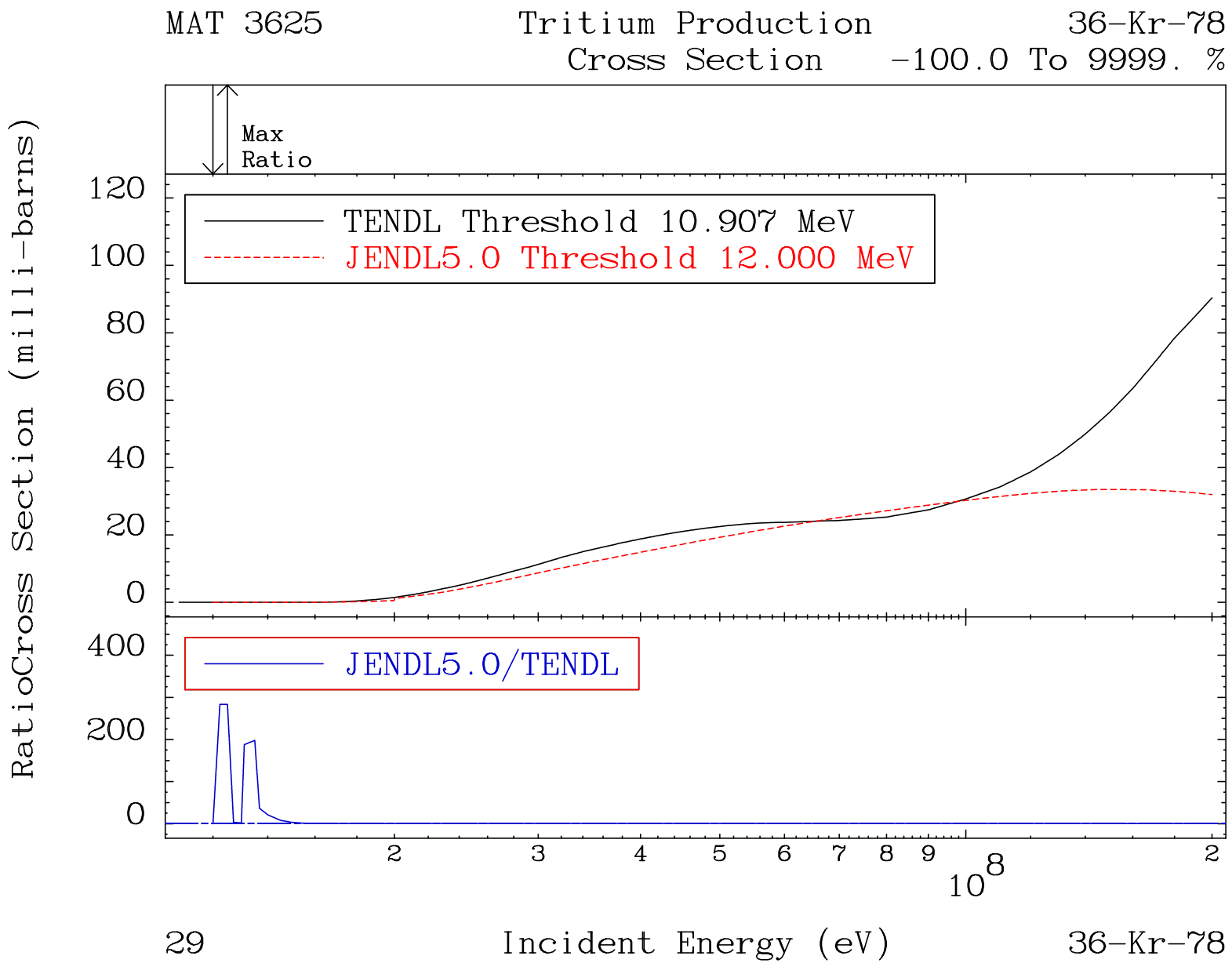

MAT 3625
(n,t)
36-Kr-78
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 10.907 MeV
JENDL5.0 Threshold 12.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
400
200
0
2
3
4
5
6
7
8
9
10^8
2
24
Incident Energy (eV)
36-Kr-78

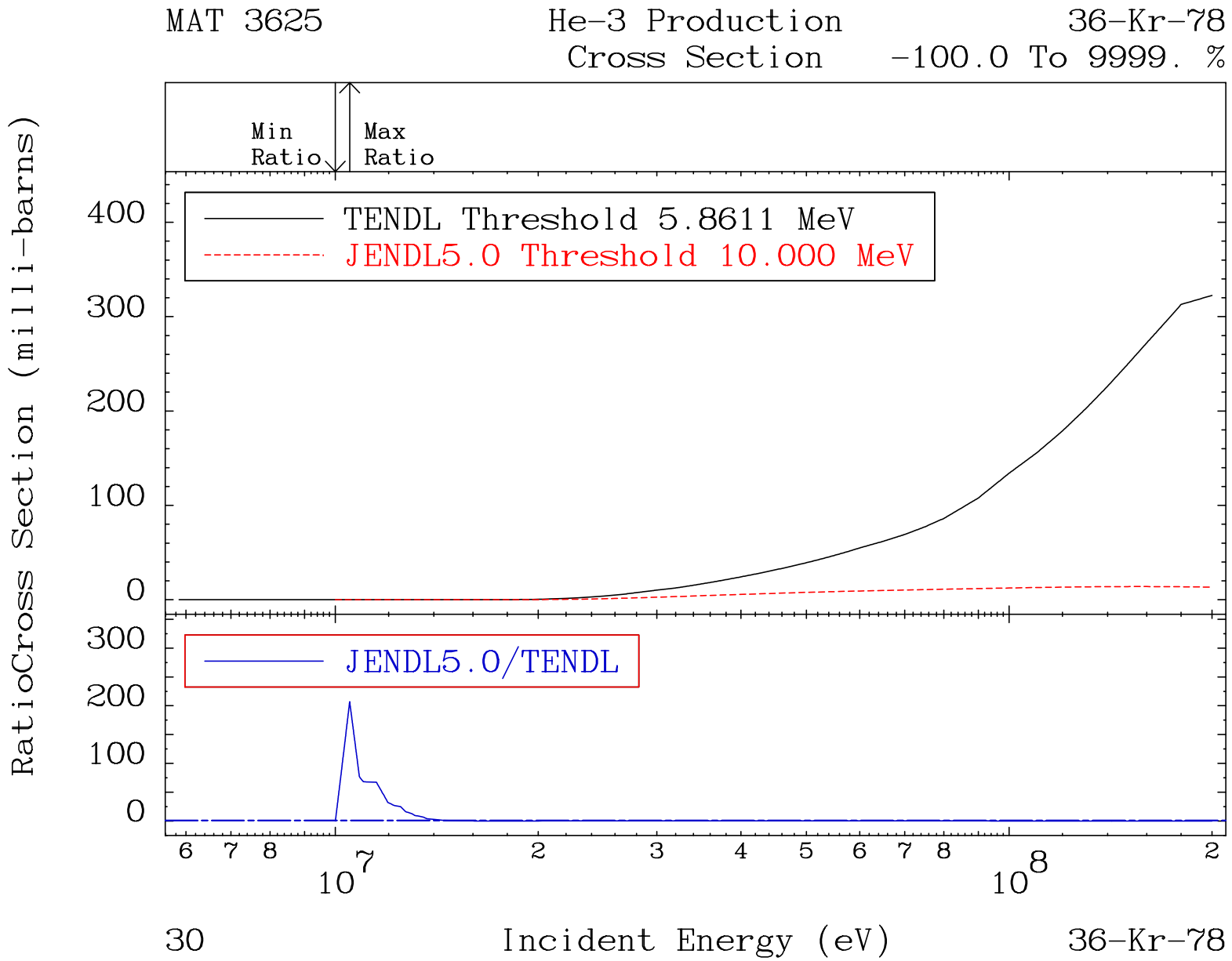

MAT 3625
(n,He-3)
Cross Section
36-Kr-78
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.8611 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
300
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
36-Kr-78

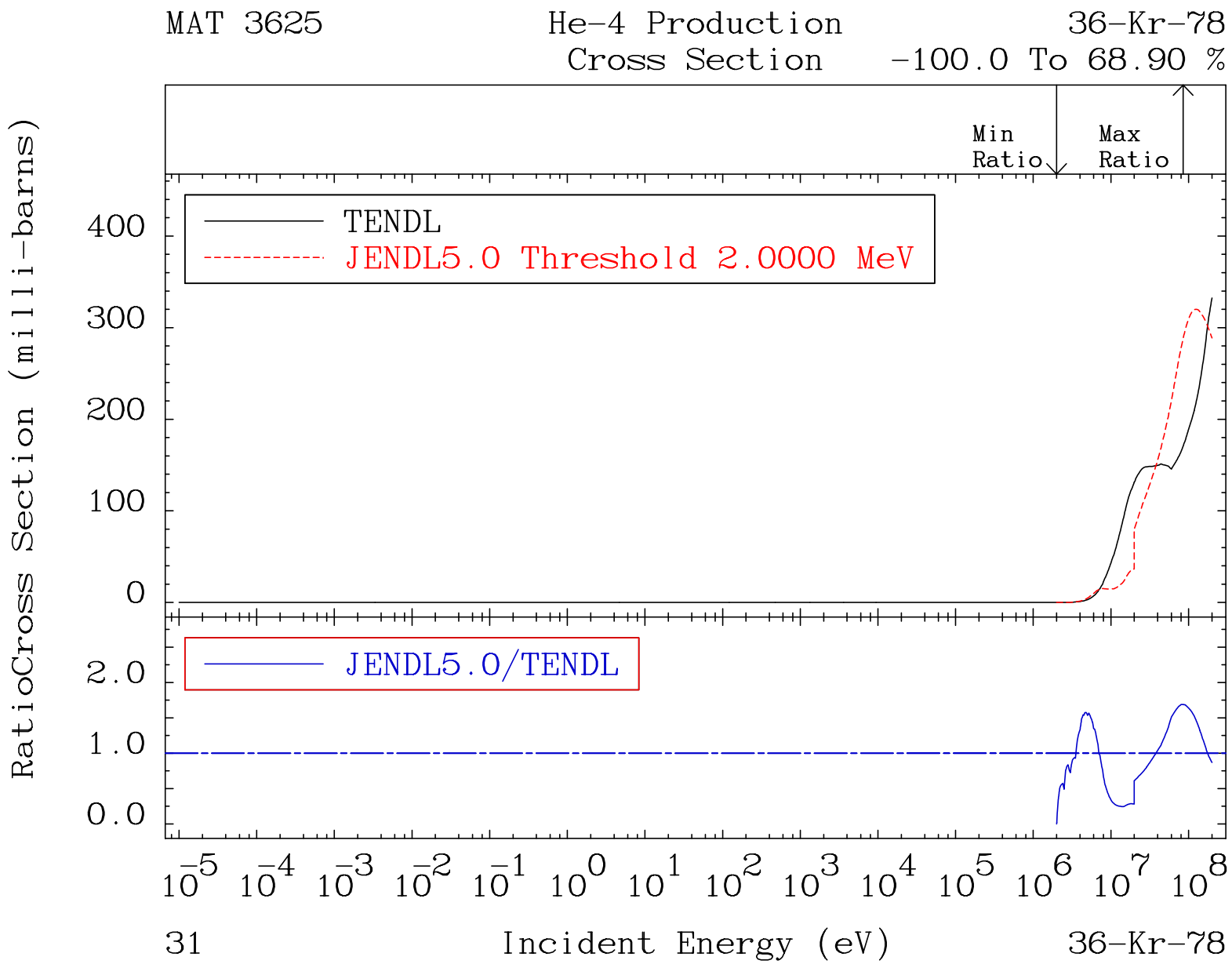

MAT 3625
(n,α)
Cross Section
36-Kr-78
-100.0 To 57.72 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 2.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
26
36-Kr-78

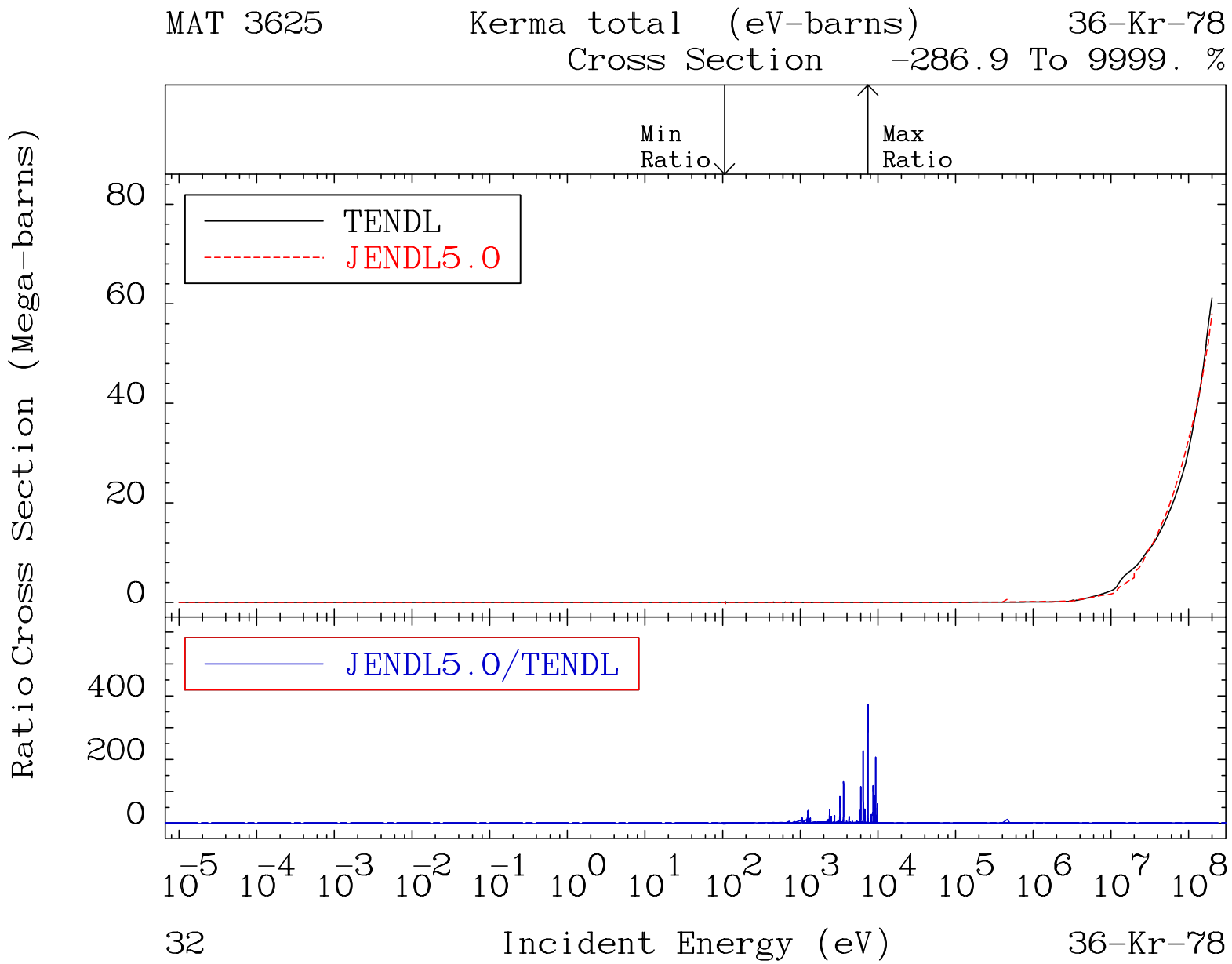

MAT 3625
Hydrogen Production
36-Kr-78
Cross Section -100.0 To 42.87 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 1.5000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
27
Incident Energy (eV)
36-Kr-78

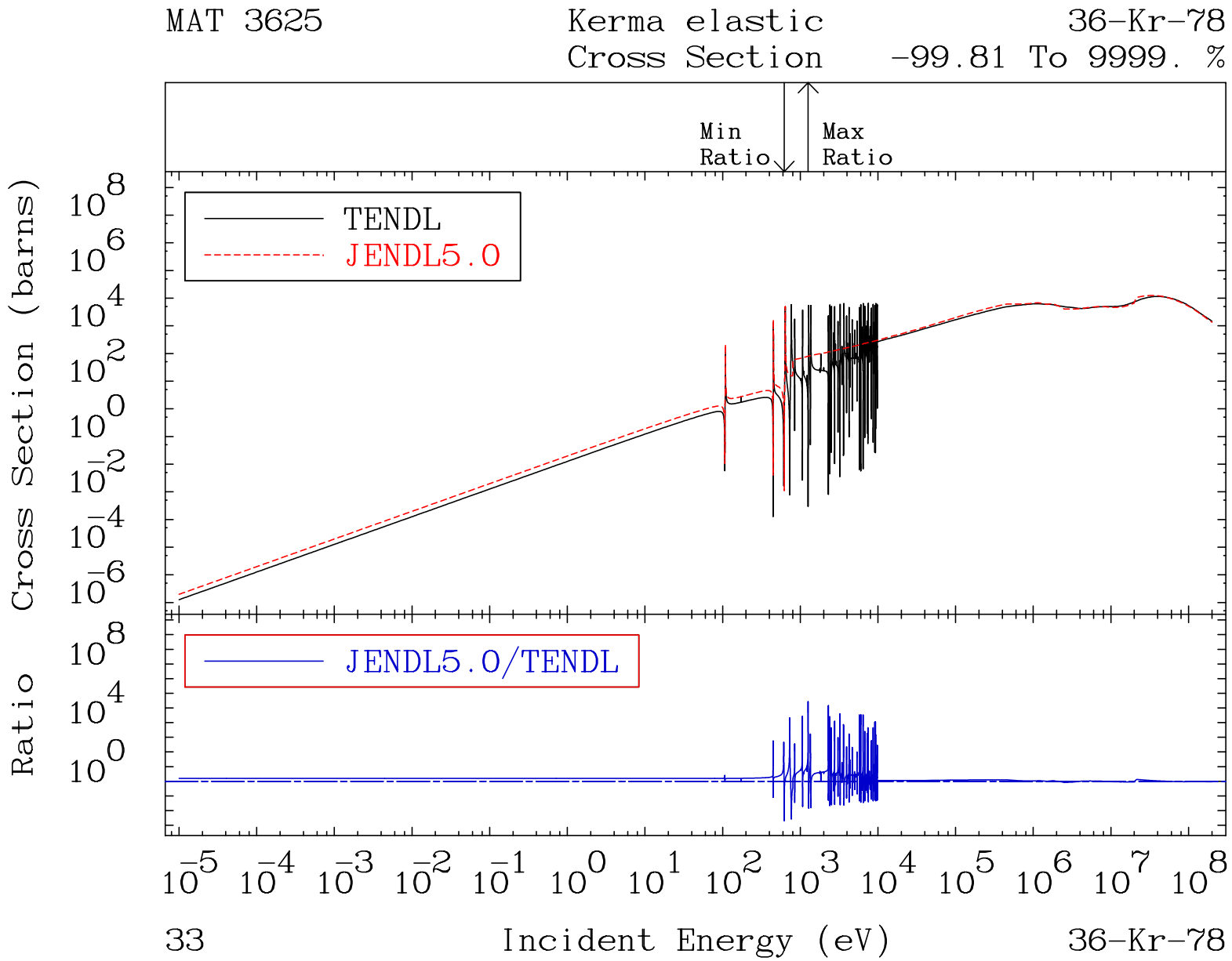

MAT 3625
Deuterium Production
36-Kr-78
Cross Section
-100.0 To 385.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JENDL5.0 Threshold 8.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
36-Kr-78

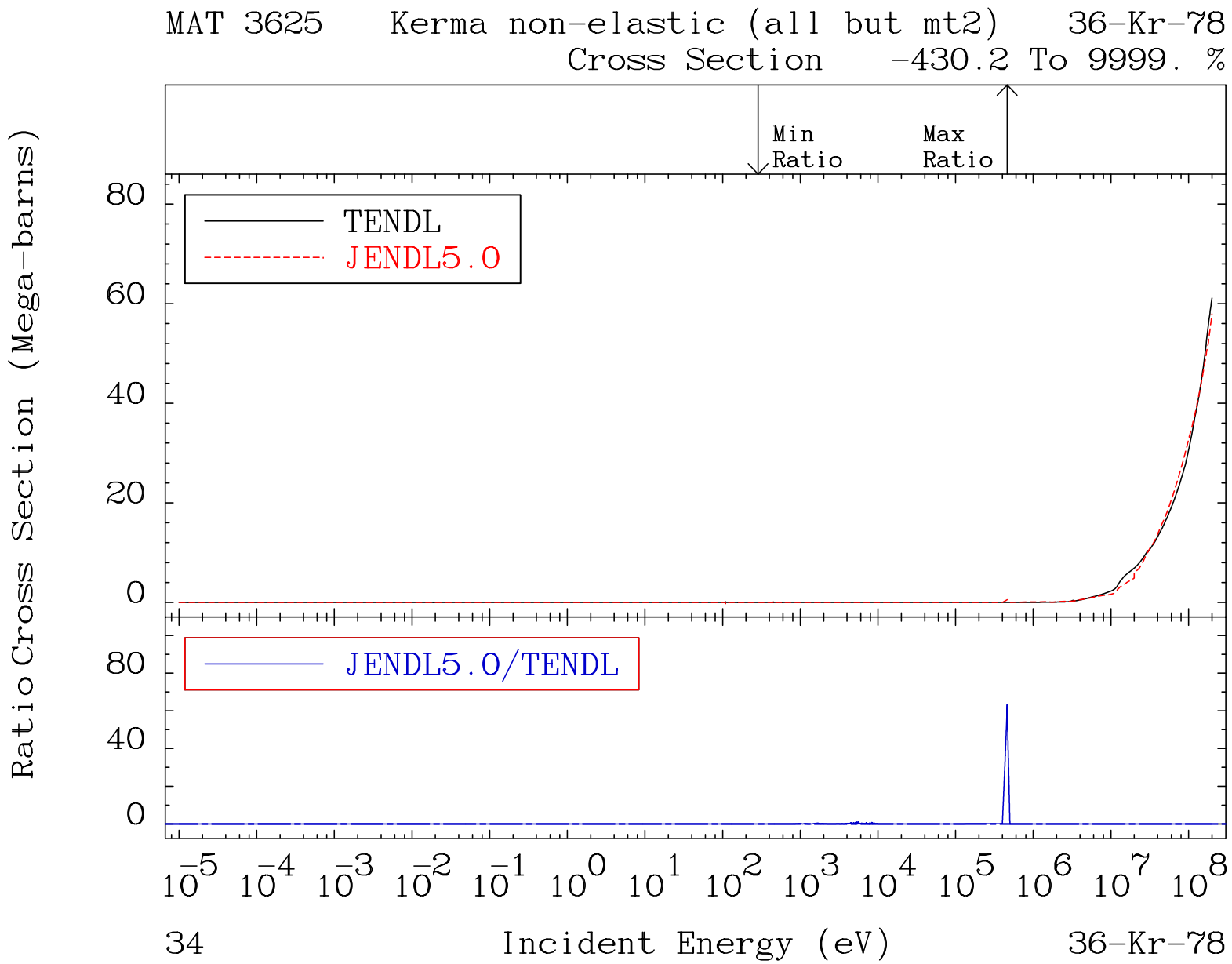

MAT 3625
Tritium Production
36-Kr-78
Cross Section
-100.0 To 9999. %
Max
Ratio
120
100
80
60
40
20
0
TENDL Threshold 10.907 MeV
JENDL5.0 Threshold 12.000 MeV
400
200
0
JENDL5.0/TENDL
2
3
4
5
6
7
8
9
2
10^8
RatioCross Section (milli-barns)
29
Incident Energy (eV)
36-Kr-78

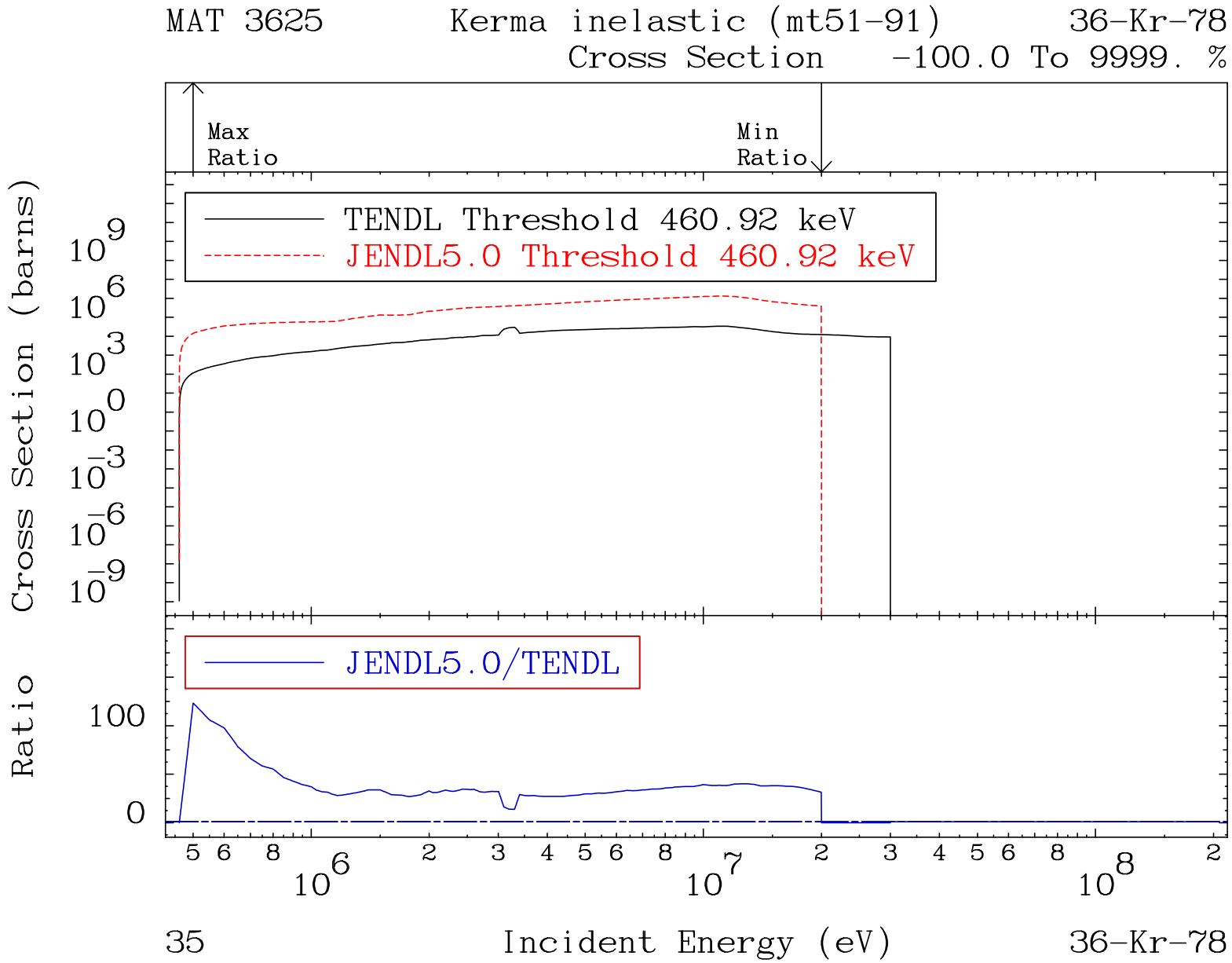

MAT 3625
He-3 Production
Cross Section
36-Kr-78
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.8611 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
300
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
36-Kr-78

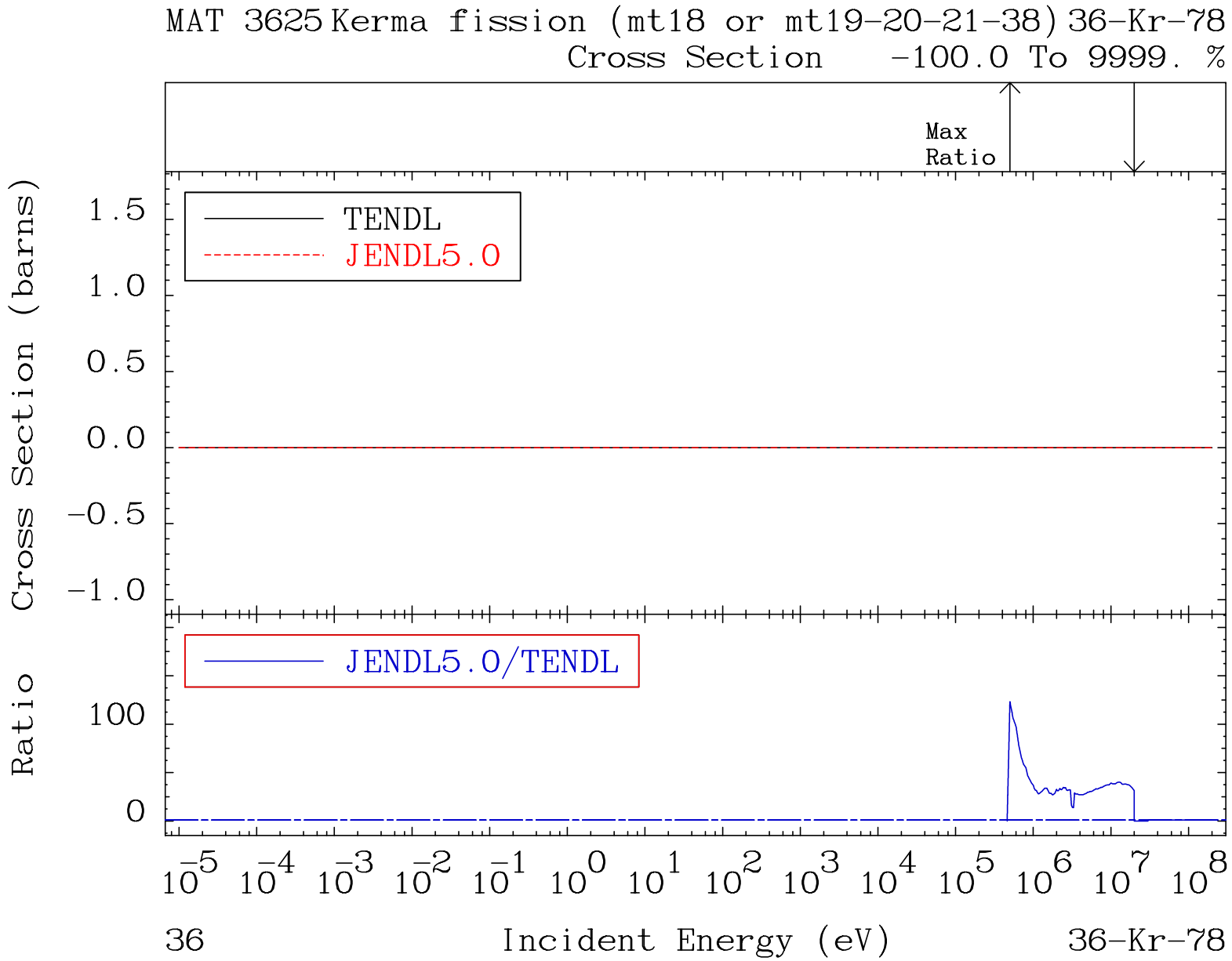

MAT 3625
He-4 Production
Cross Section
36-Kr-78
-100.0 To 68.90 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 2.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
31
Incident Energy (eV)
36-Kr-78

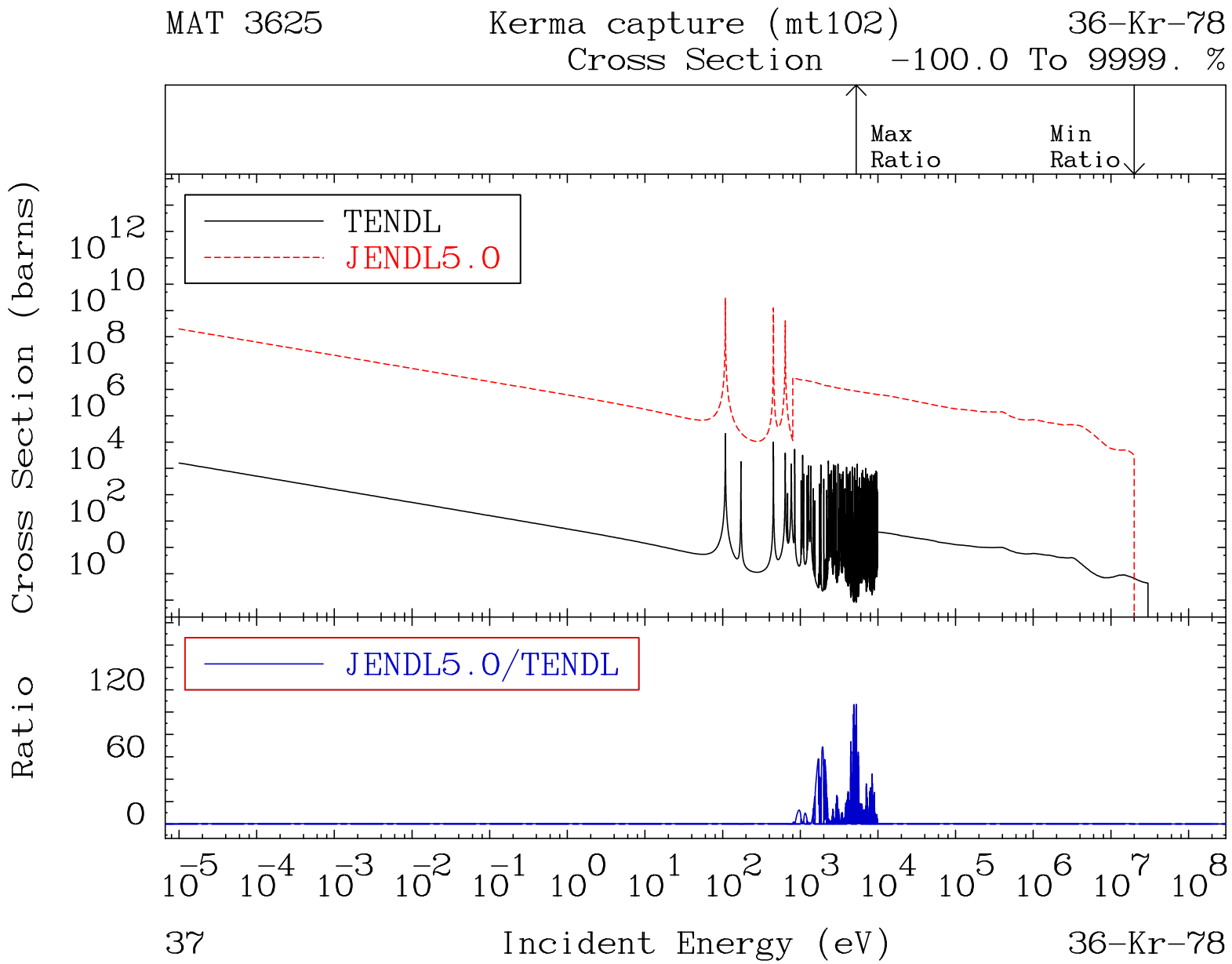

MAT 3625
Kerma total (eV-barns)
36-Kr-78
Cross Section -286.9 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
80
60
40
20
0
400
200
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
32
Incident Energy (eV)
36-Kr-78

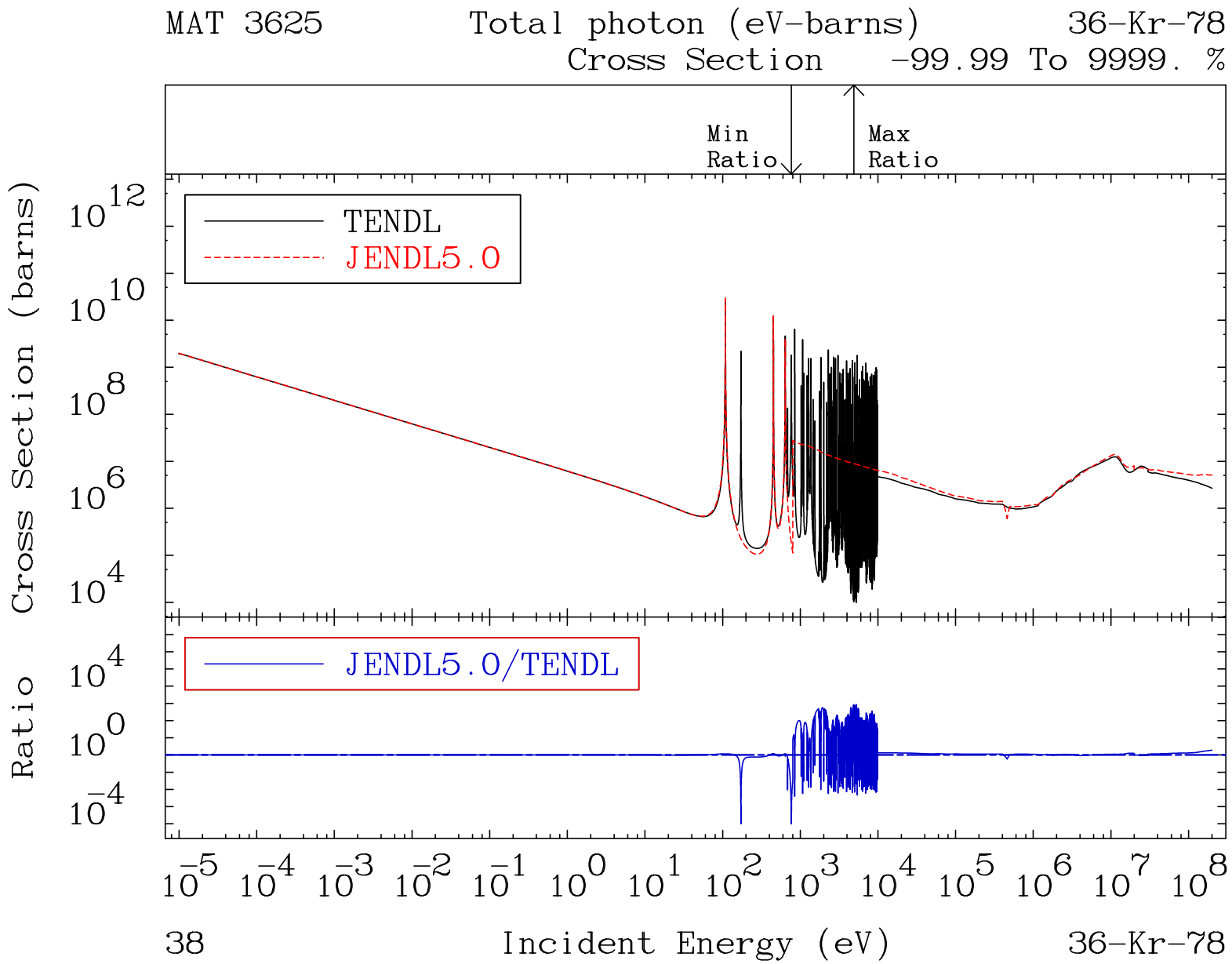

MAT 3625
Kerma elastic
Cross Section
36-Kr-78
-99.81 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
36-Kr-78

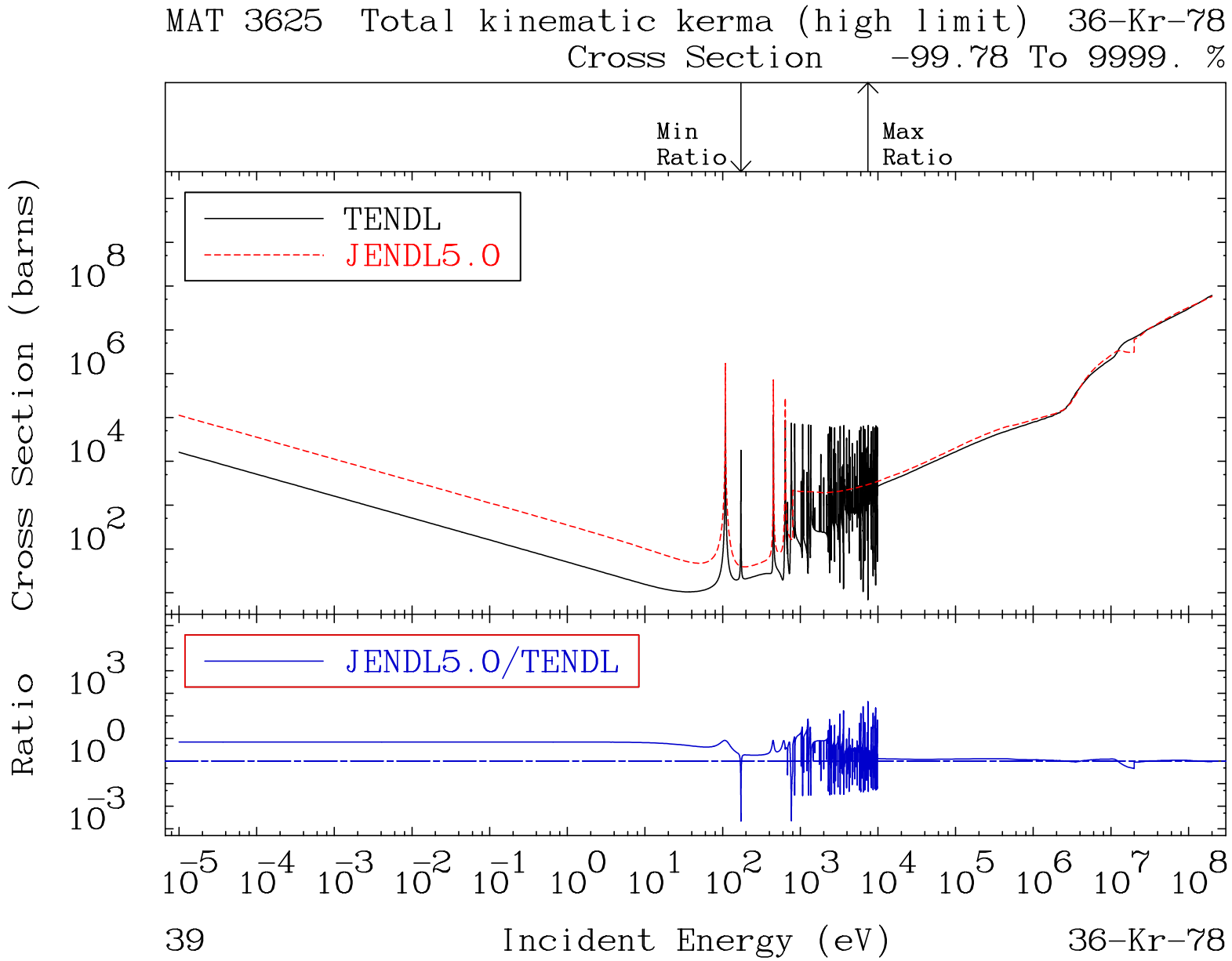

MAT 3625 Kerma non-elastic (all but mt2) 36-Kr-78
Cross Section -430.2 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
80
60
40
20
0
80
40
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
34
Incident Energy (eV)
36-Kr-78

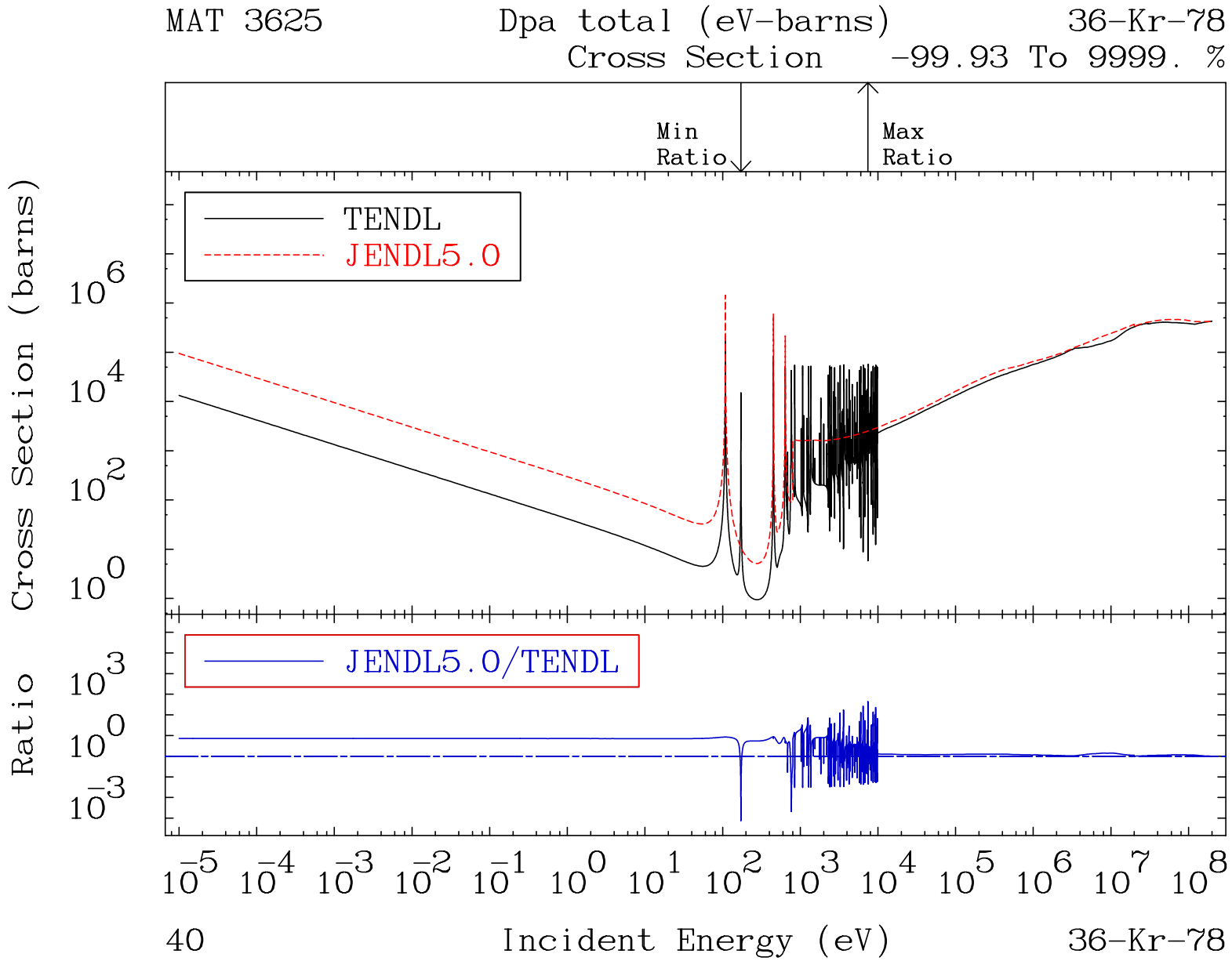

MAT 3625
Kerma inelastic (mt51-91)
36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 460.92 keV
JENDL5.0 Threshold 460.92 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
35
36-Kr-78

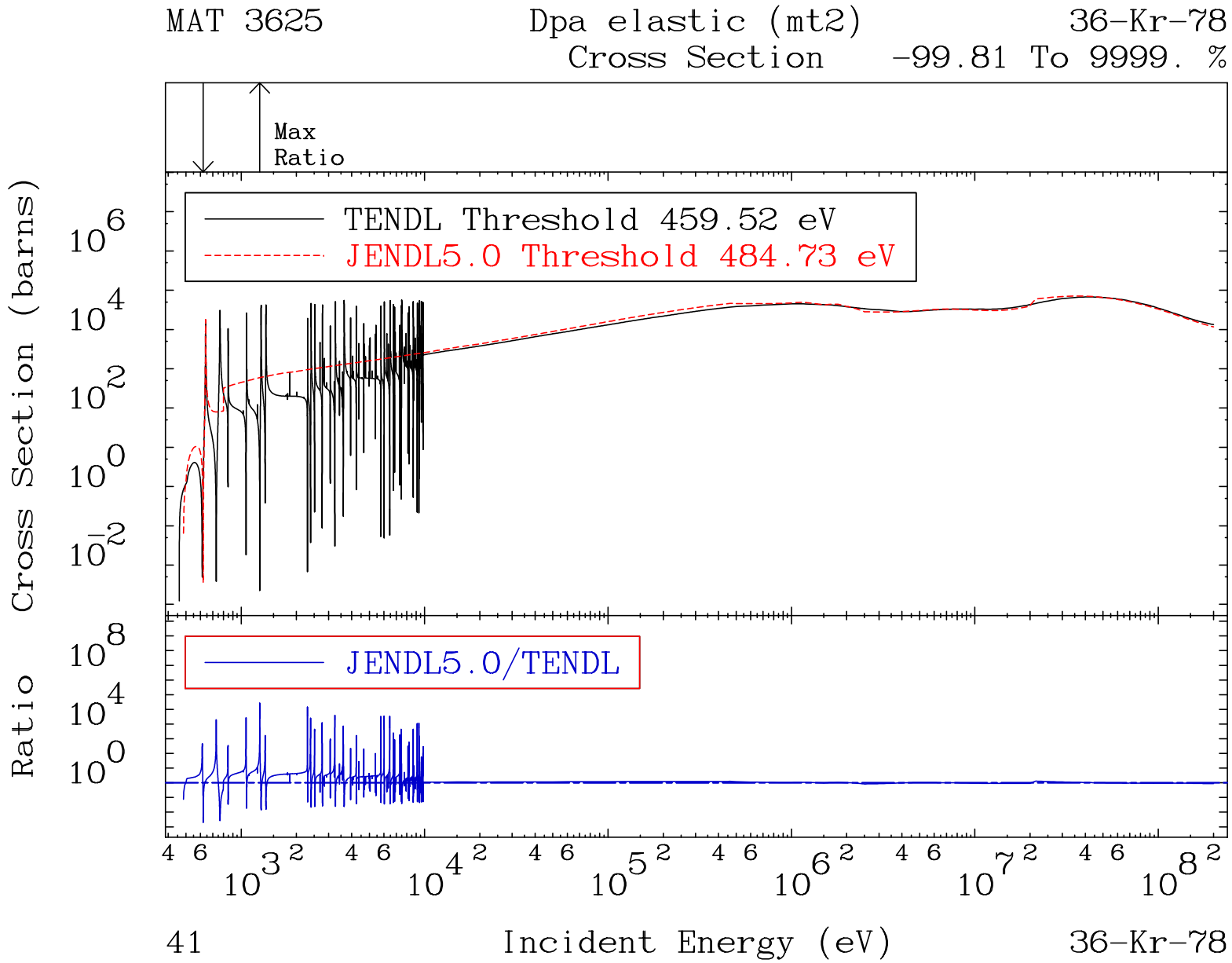

MAT 3625 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-78
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
100
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
36
Incident Energy (eV)
36-Kr-78

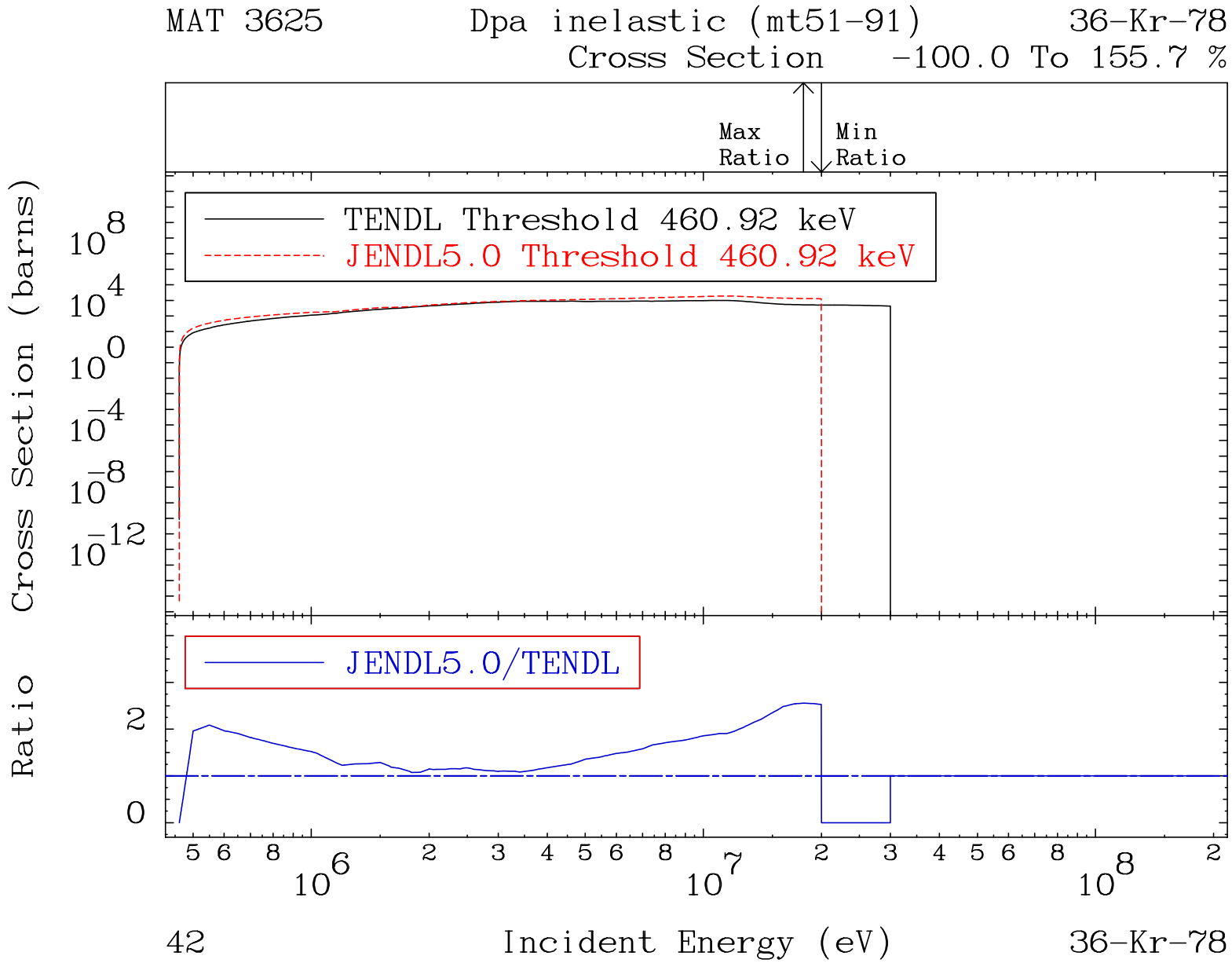

MAT 3625
Kerma capture (mt102)
36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
37
36-Kr-78

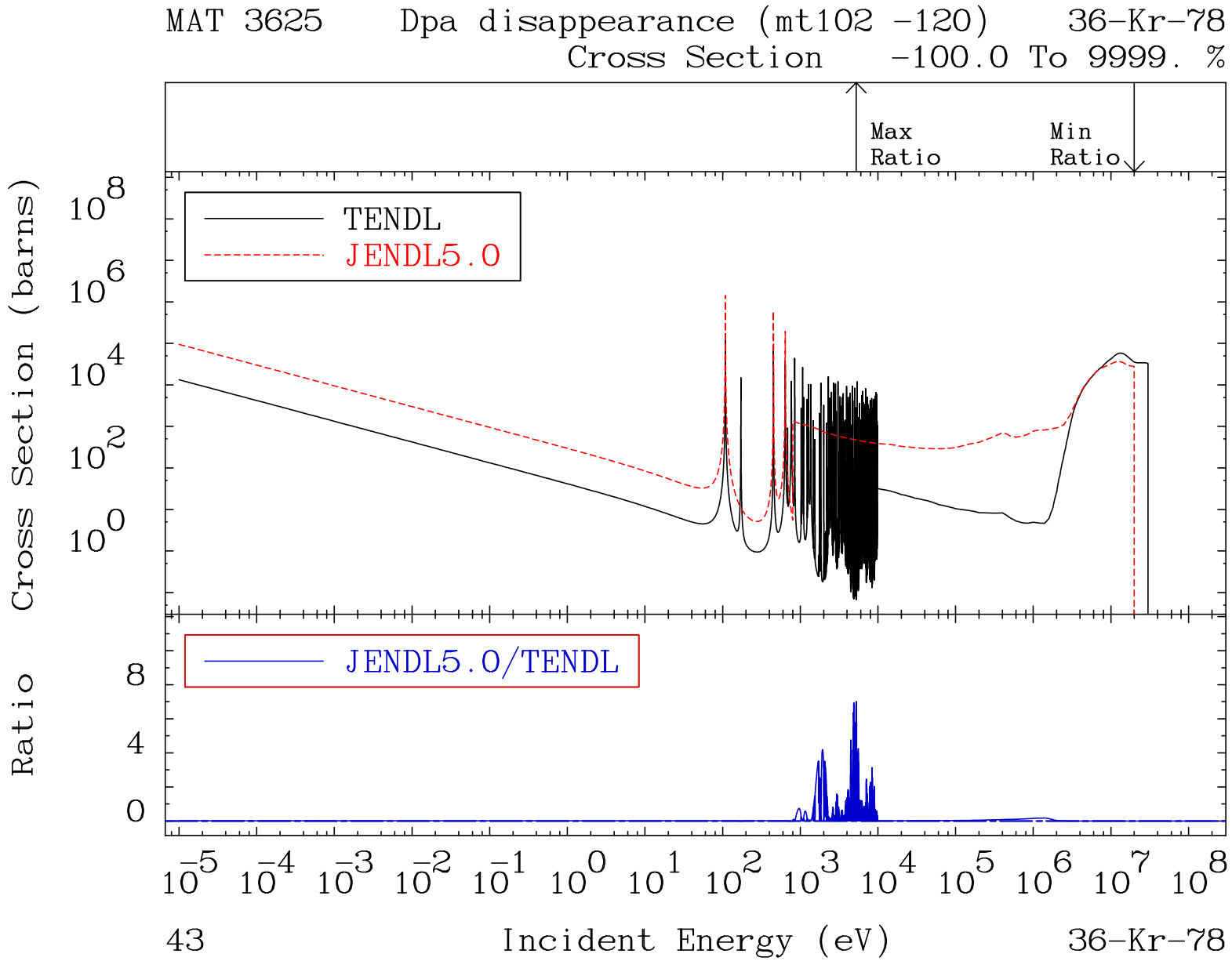

MAT 3625
Total photon (eV-barns)
36-Kr-78
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
36-Kr-78

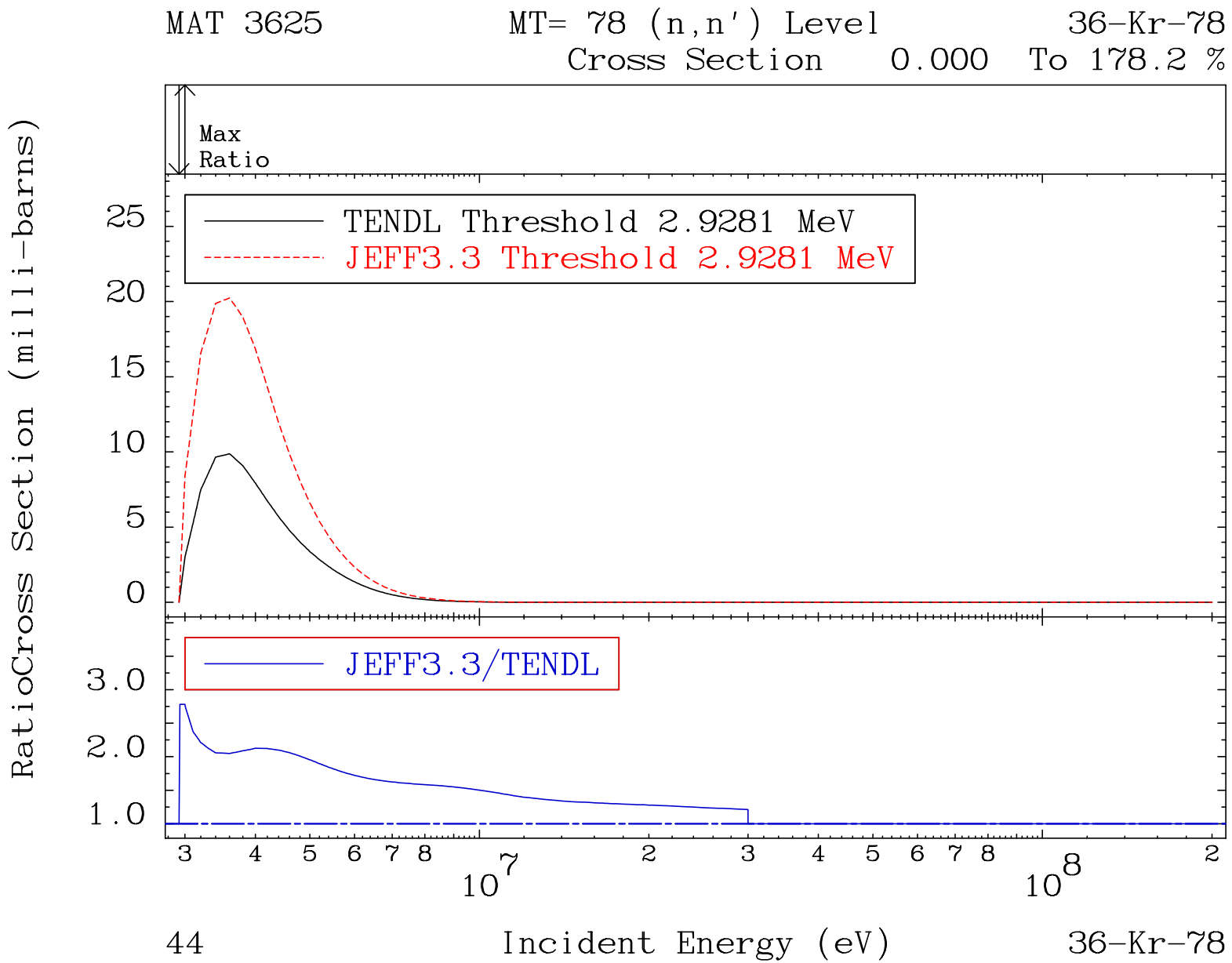

MAT 3625 Total kinematic kerma (high limit) 36-Kr-78
Cross Section -99.78 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
36-Kr-78

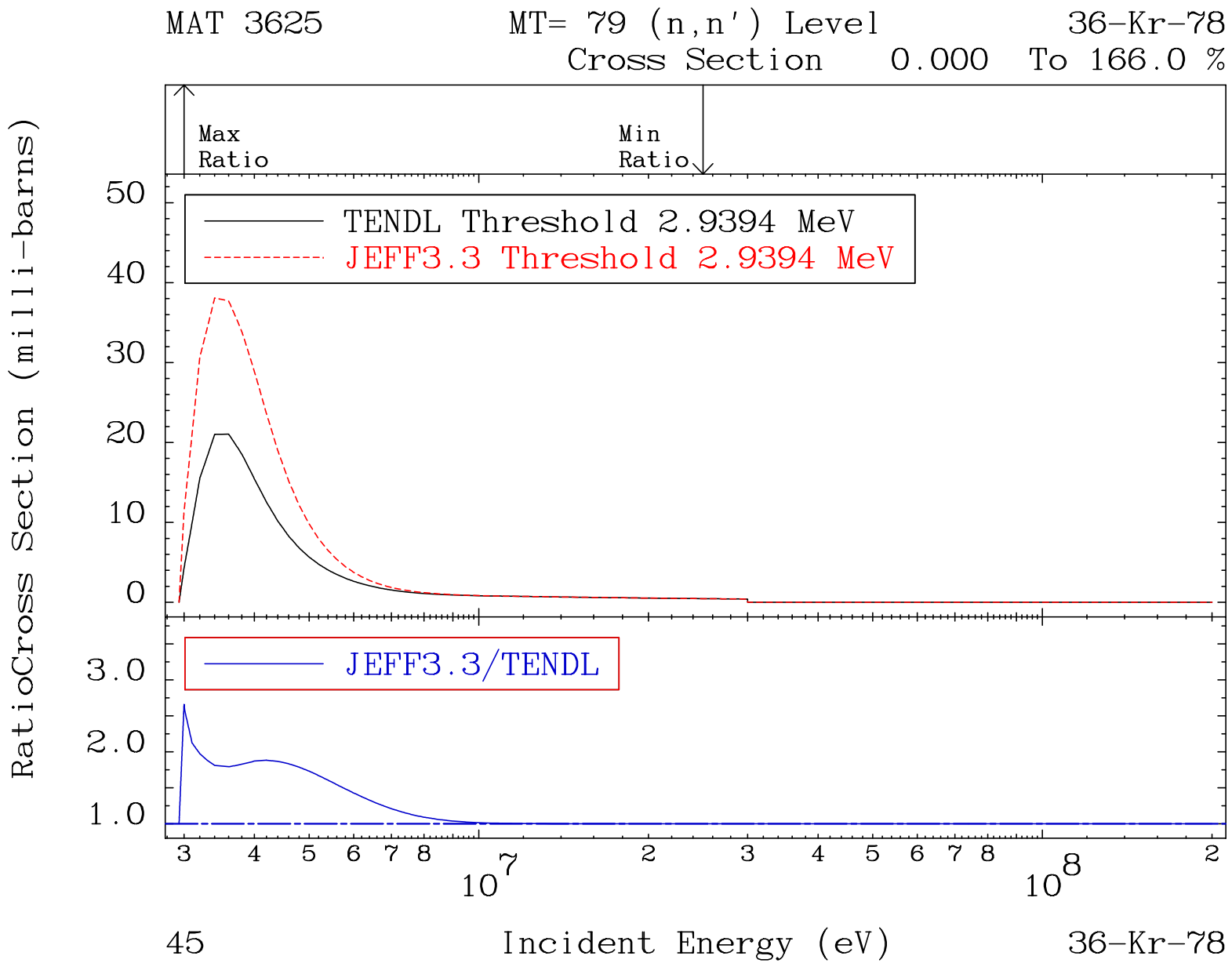

MAT 3625
Dpa total (eV-barns)
36-Kr-78
Cross Section -99.93 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
36-Kr-78

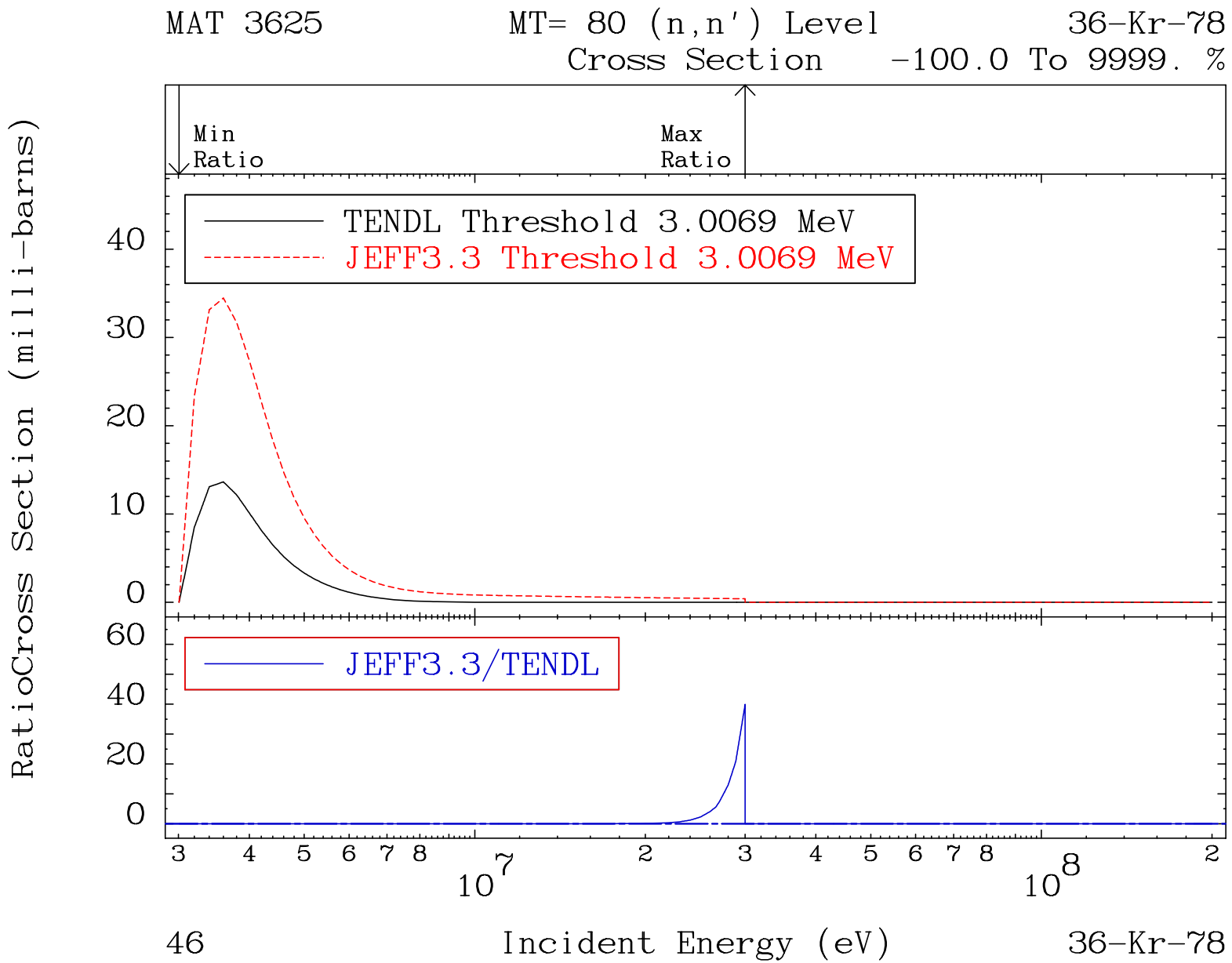

MAT 3625
Dpa elastic (mt2)
Cross Section
36-Kr-78
-99.81 To 9999. %
Max
Ratio
TENDL Threshold 459.52 eV
JENDL5.0 Threshold 484.73 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
36-Kr-78

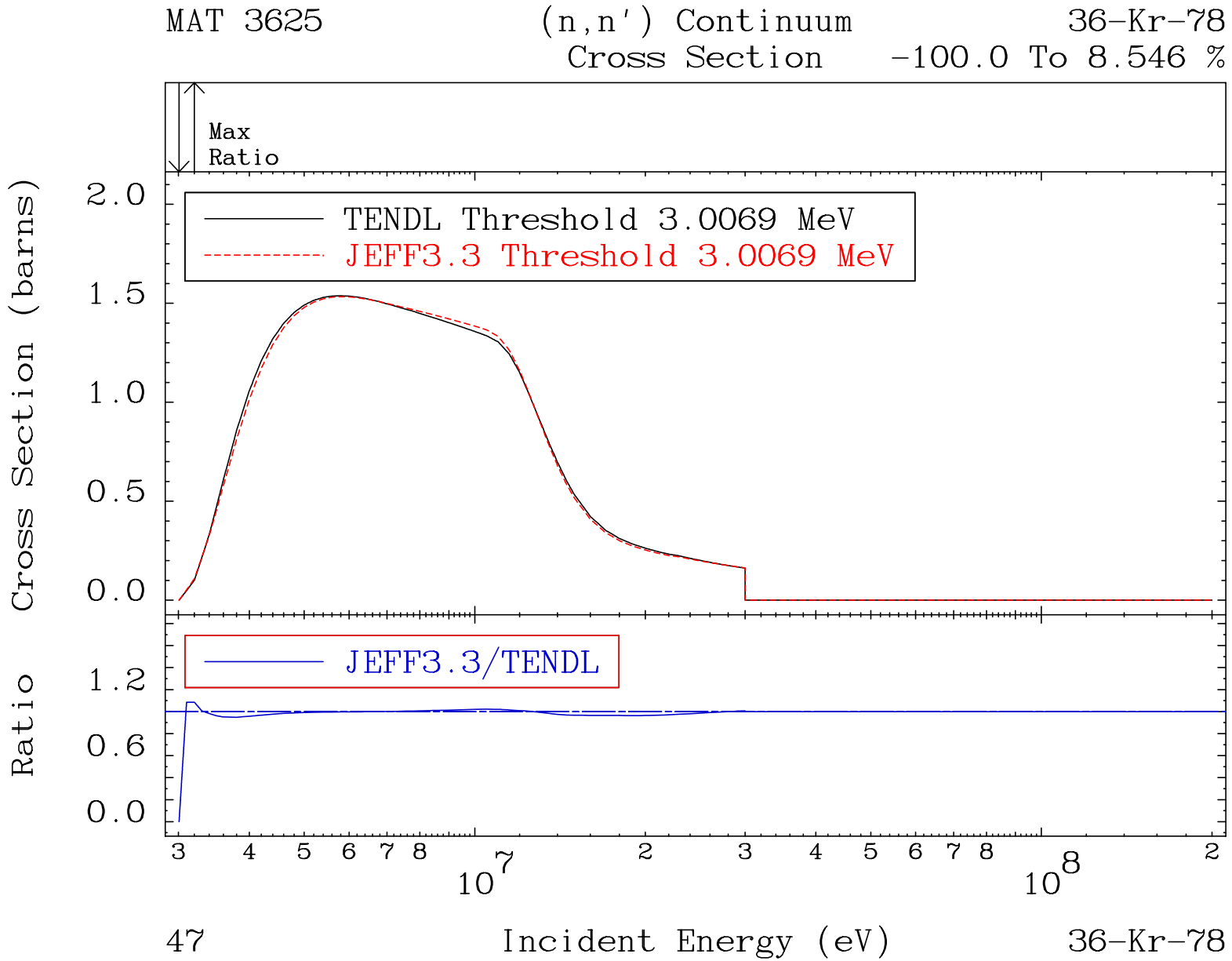

MAT 3625
Dpa inelastic (mt51-91)
36-Kr-78
Cross Section
-100.0 To 155.7 %
Max Ratio
Min Ratio
TENDL Threshold 460.92 keV
JENDL5.0 Threshold 460.92 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
36-Kr-78

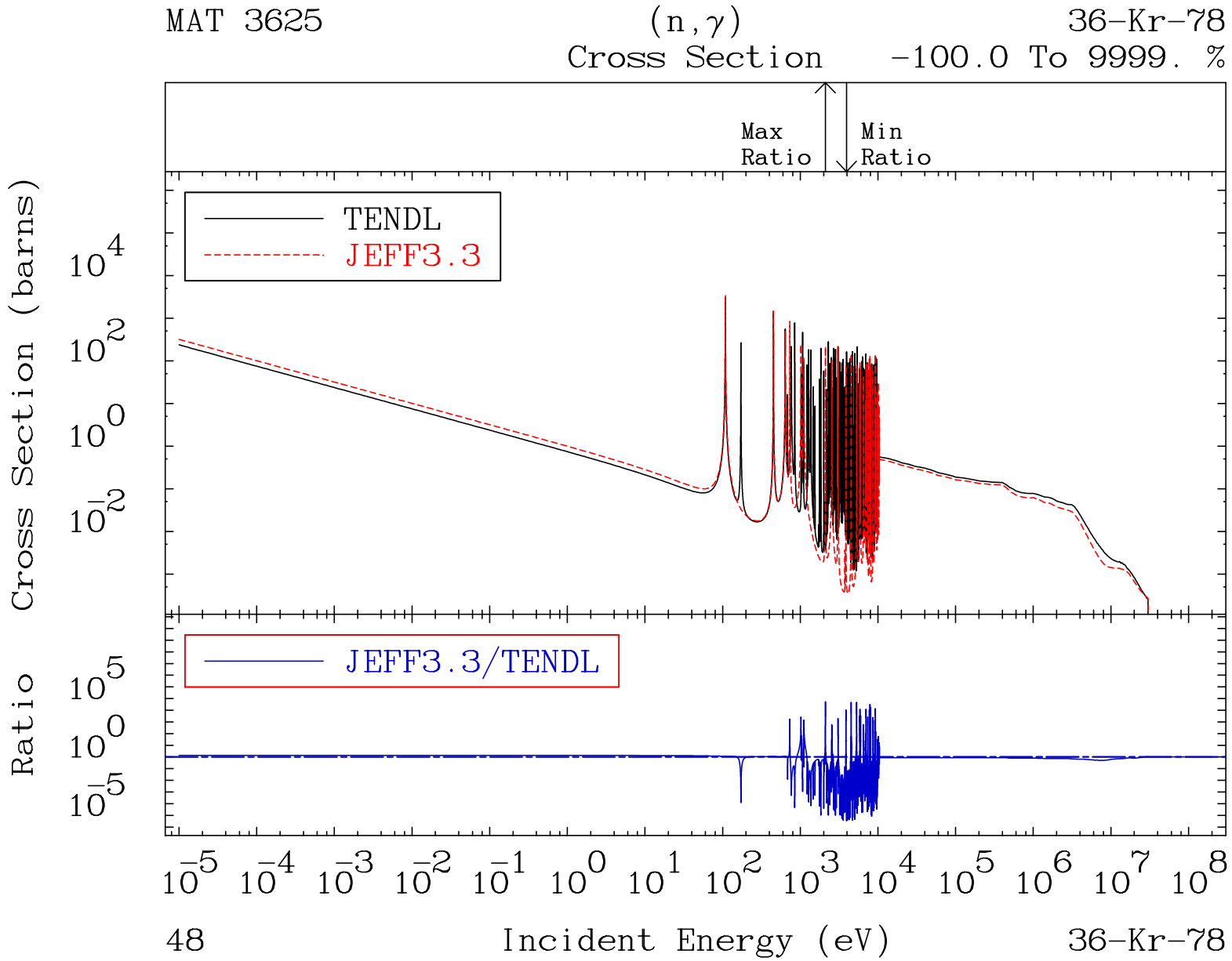

MAT 3625 Dpa disappearance (mt102 -120) 36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
43
36-Kr-78

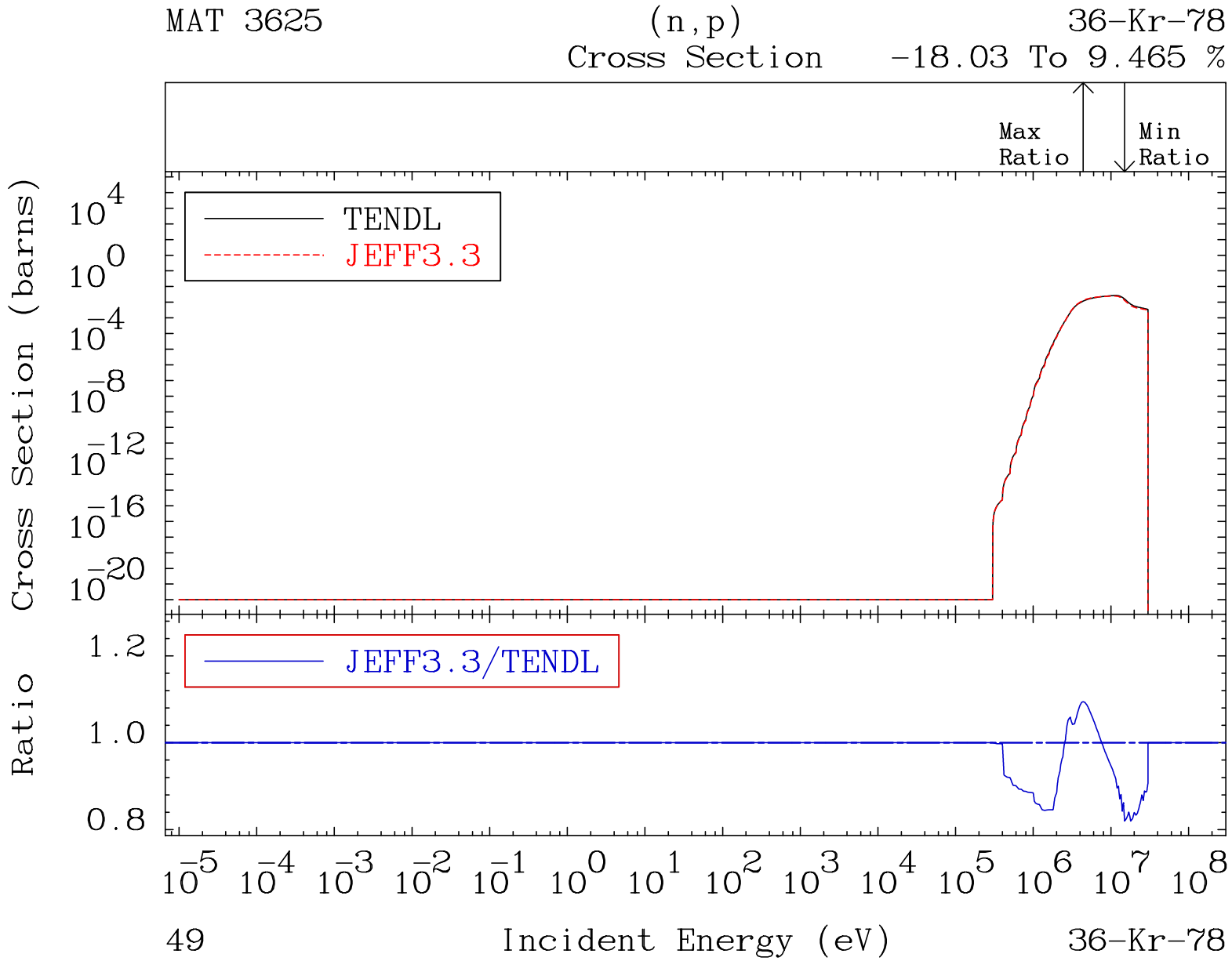

MAT 3625
MT= 78 (n,n') Level
36-Kr-78
Cross Section 0.000 To 178.2 %
Max
Ratio
TENDL Threshold 2.9281 MeV
JEFF3.3 Threshold 2.9281 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
3.0
2.0
1.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
36-Kr-78

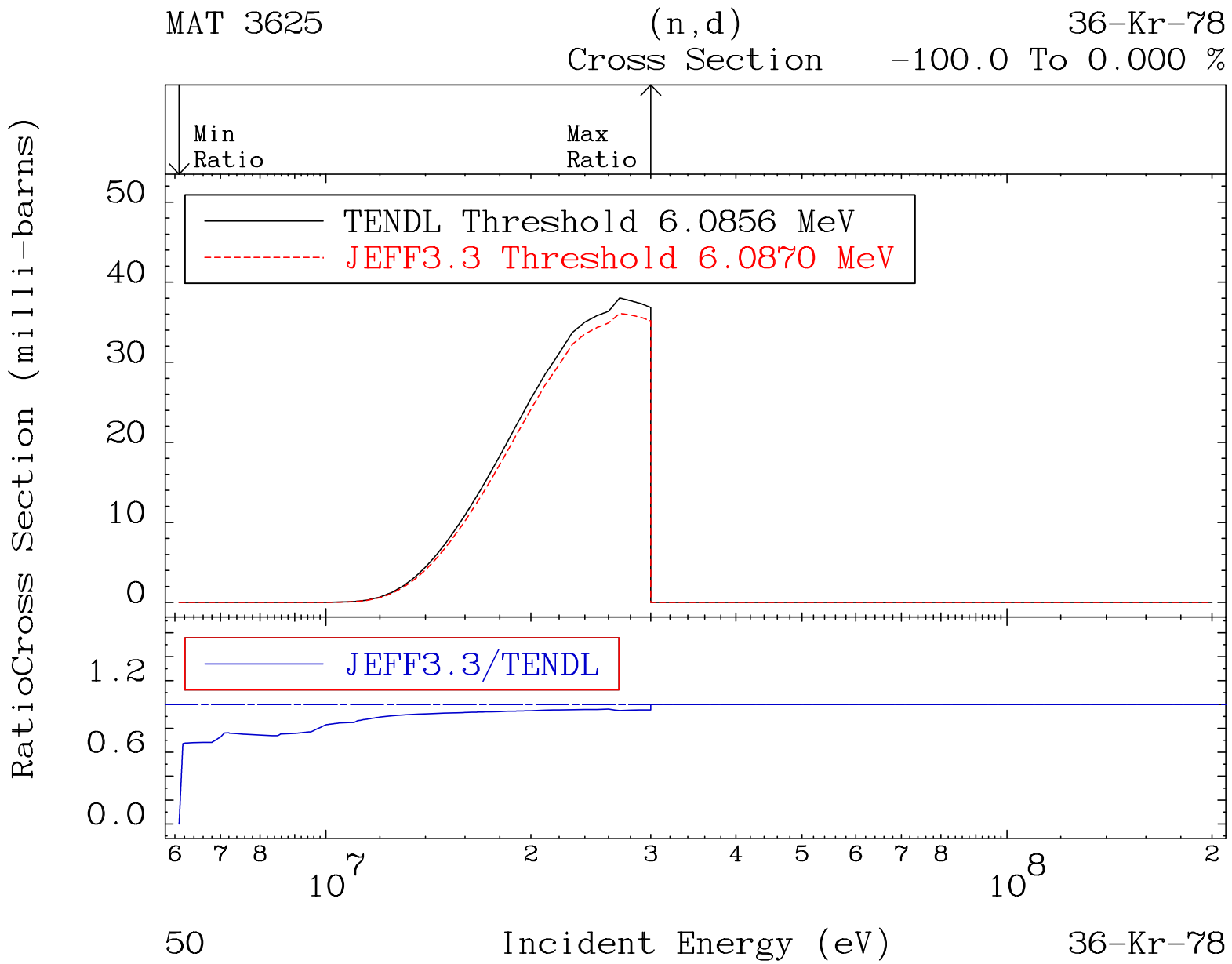

MAT 3625
MT= 79 (n,n') Level
36-Kr-78
Cross Section 0.000 To 166.0 %
Max Ratio
Min Ratio
TENDL Threshold 2.9394 MeV
JEFF3.3 Threshold 2.9394 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
3.0
2.0
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
36-Kr-78

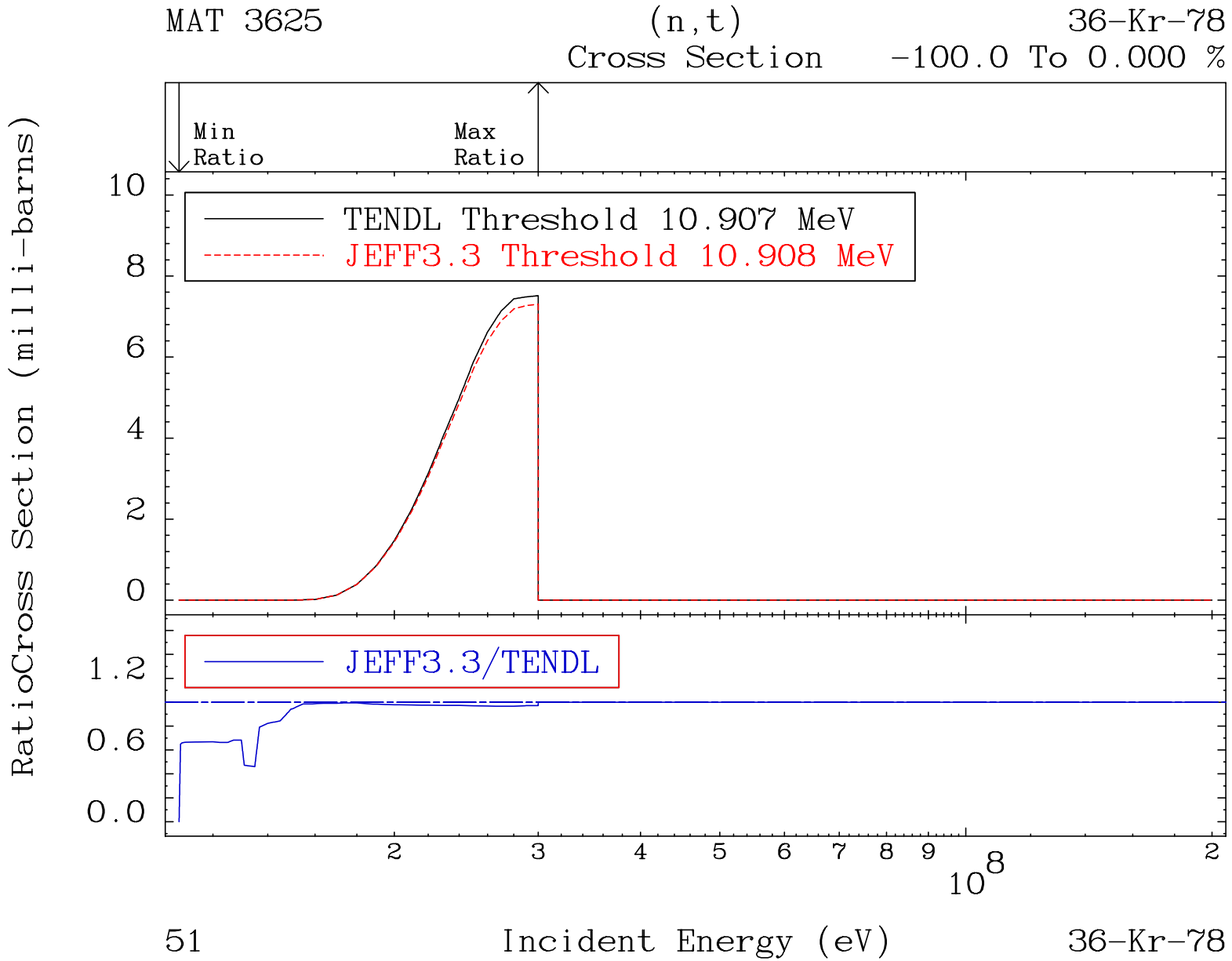

MAT 3625
MT= 80 (n,n') Level
36-Kr-78
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.0069 MeV
JEFF3.3 Threshold 3.0069 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
60
40
20
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
36-Kr-78

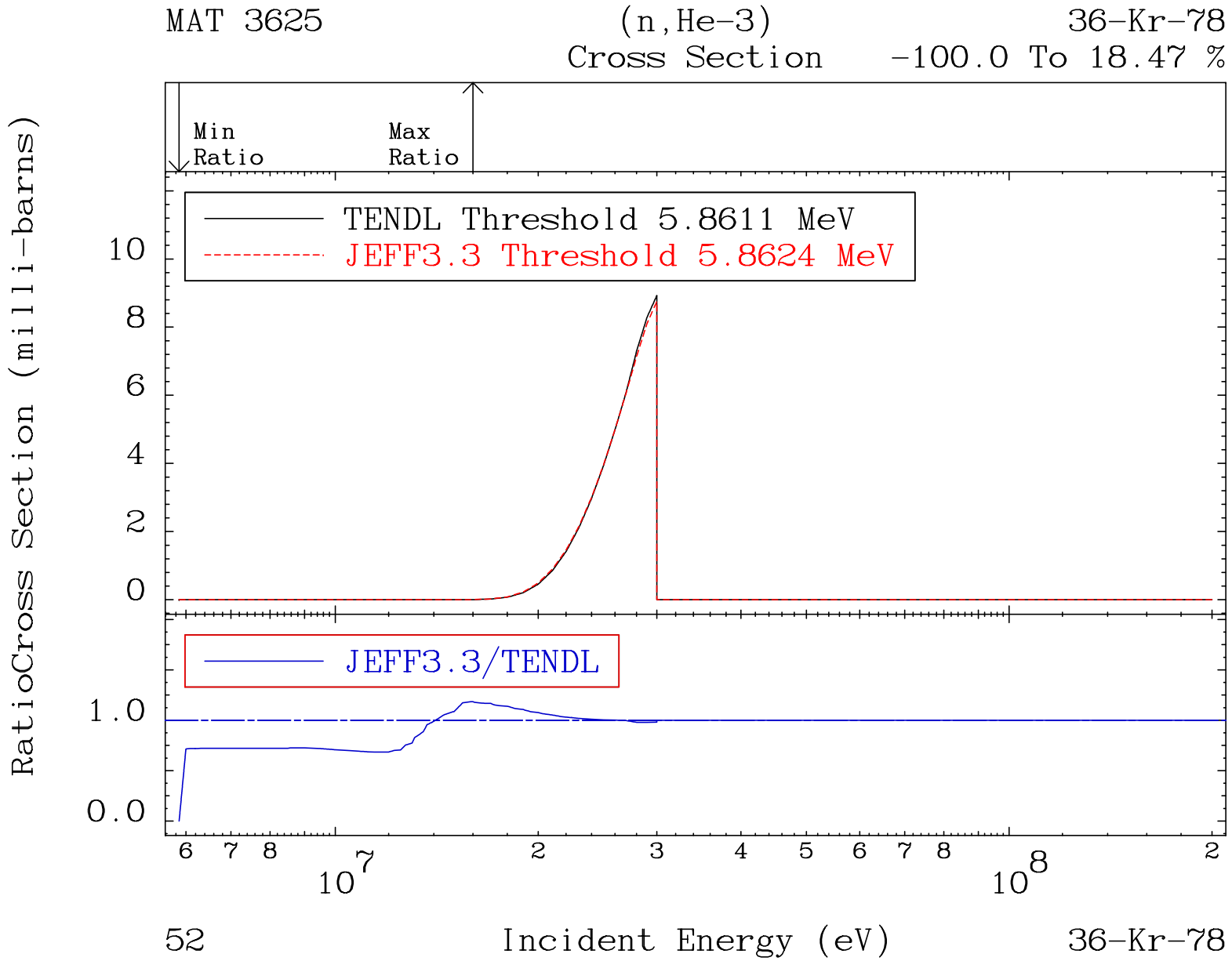

MAT 3625
(n,n') Continuum
Cross Section
36-Kr-78
-100.0 To 8.546 %
Max
Ratio
TENDL Threshold 3.0069 MeV
JEFF3.3 Threshold 3.0069 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
36-Kr-78

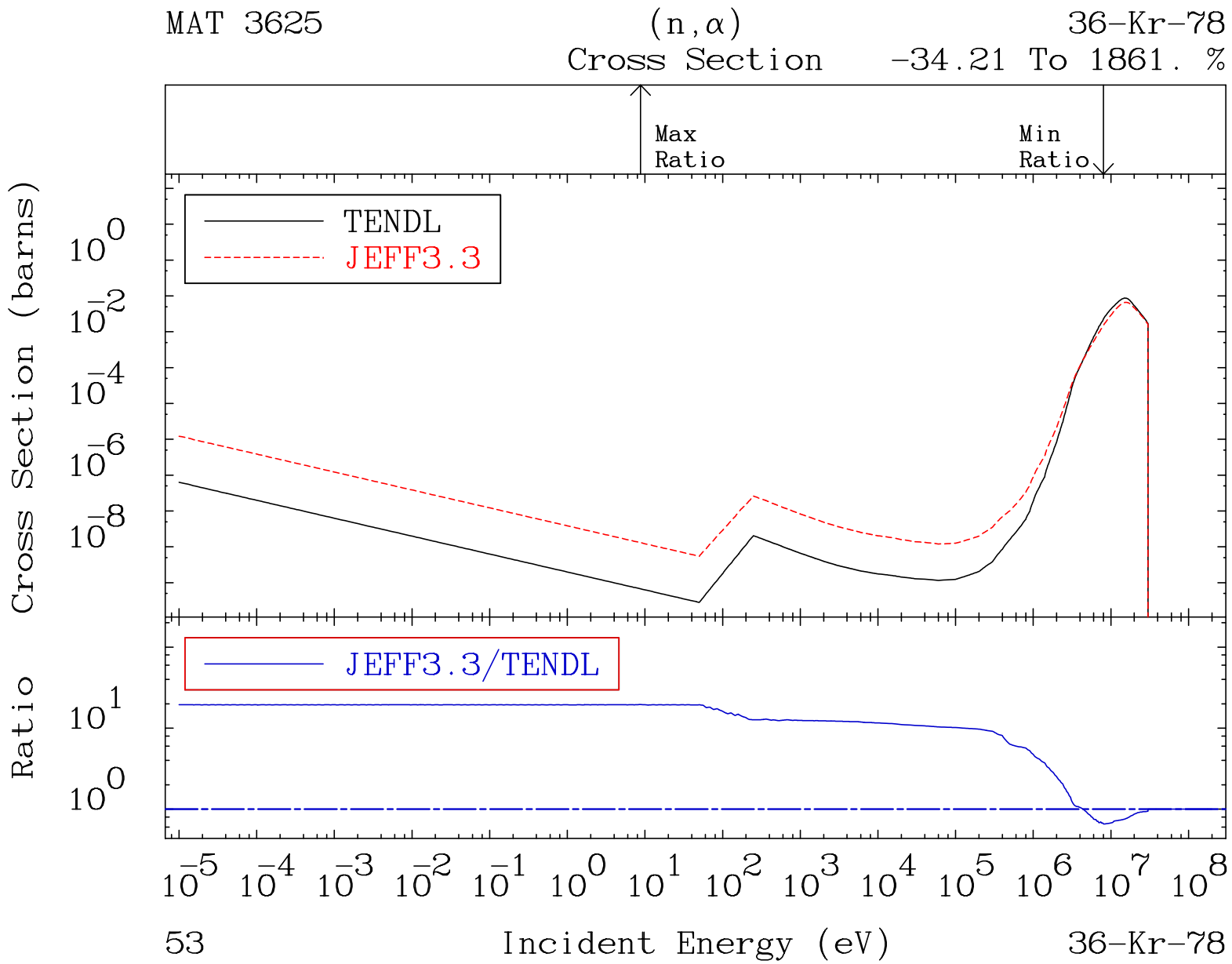

MAT 3625
(n,γ)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
36-Kr-78

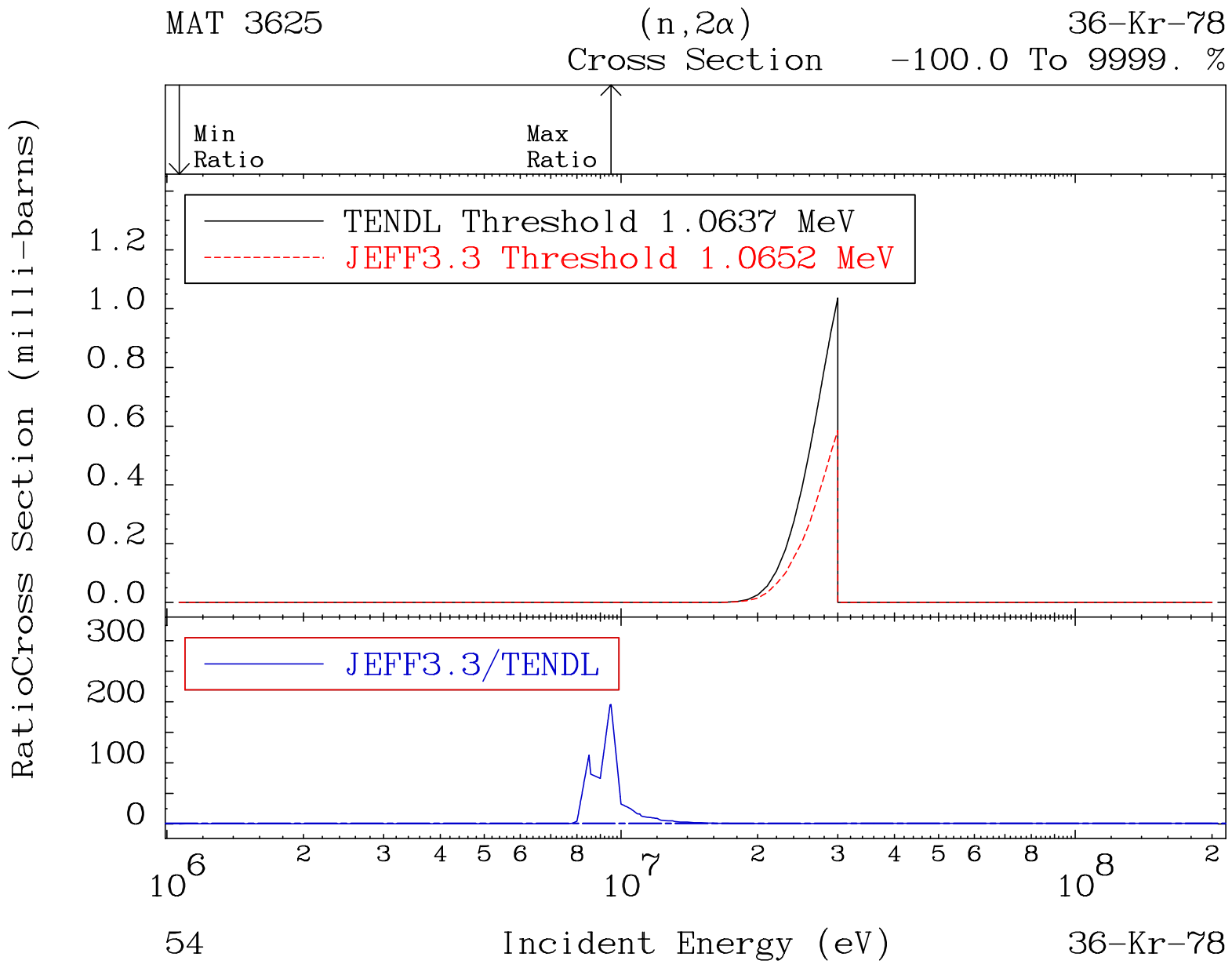

MAT 3625
(n,p)
36-Kr-78
Cross Section
-18.03 To 9.465 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
36-Kr-78

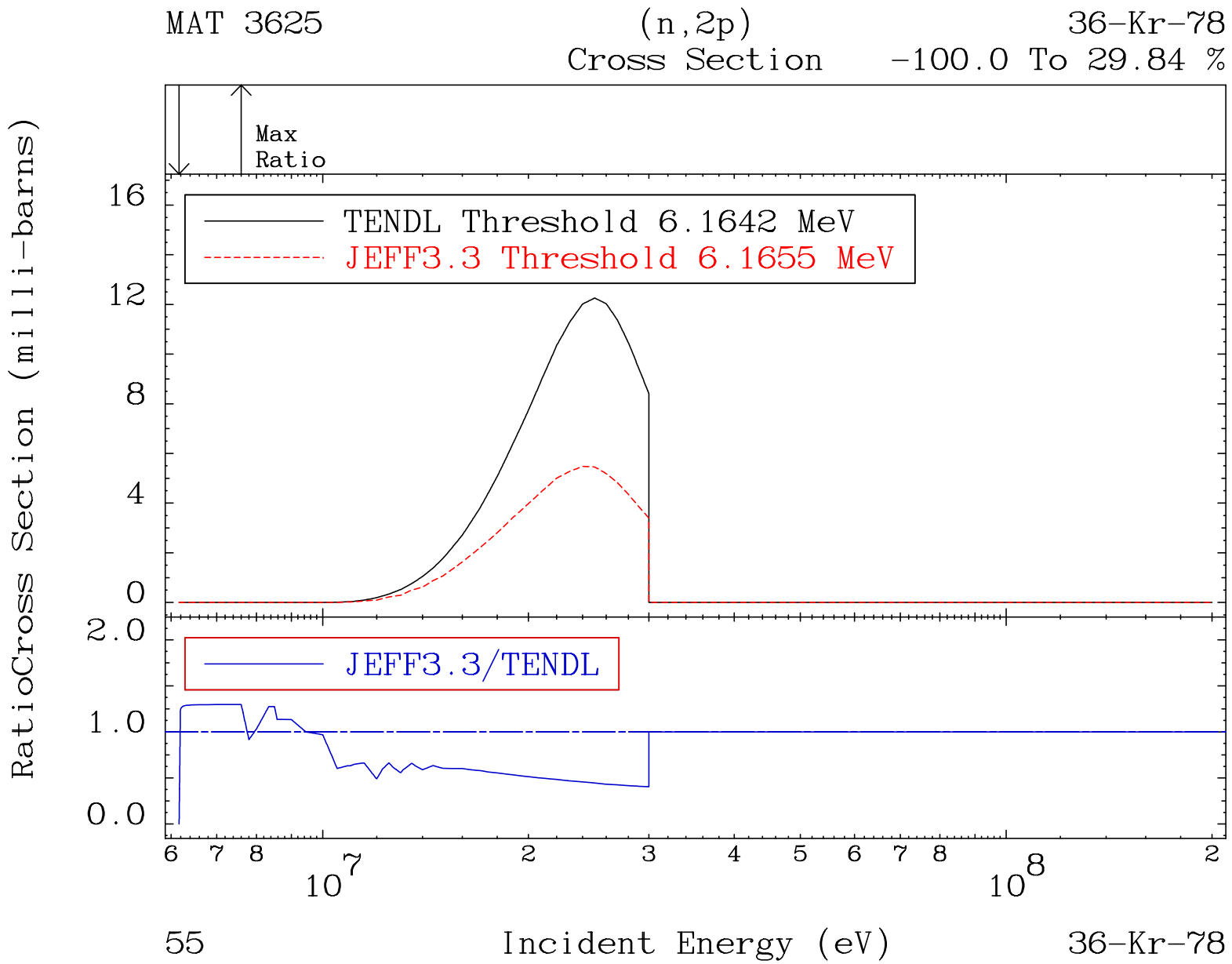

MAT 3625
(n,d)
36-Kr-78
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
36-Kr-78

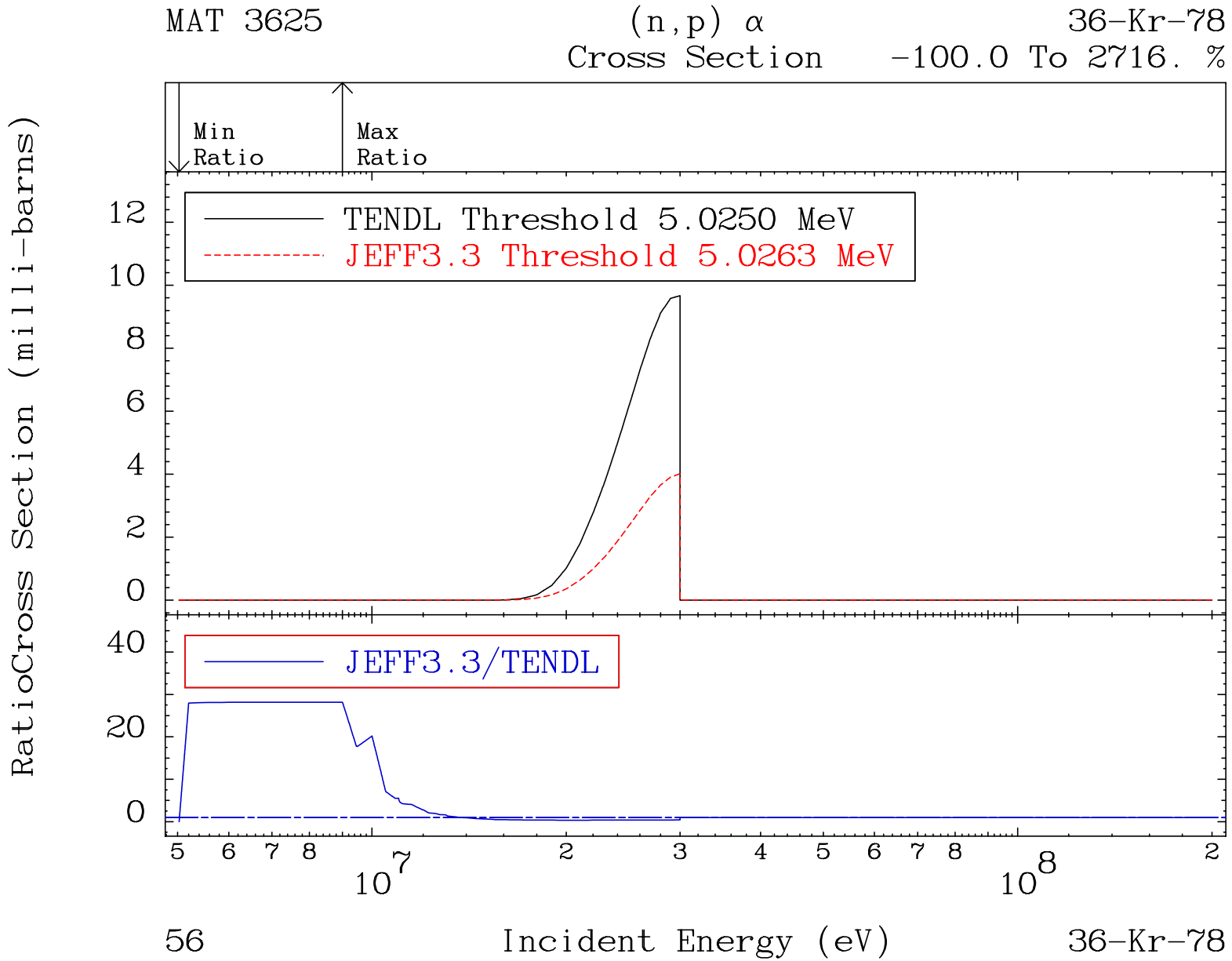

MAT 3625
(n,t)
36-Kr-78
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.907 MeV
JEFF3.3 Threshold 10.908 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
36-Kr-78

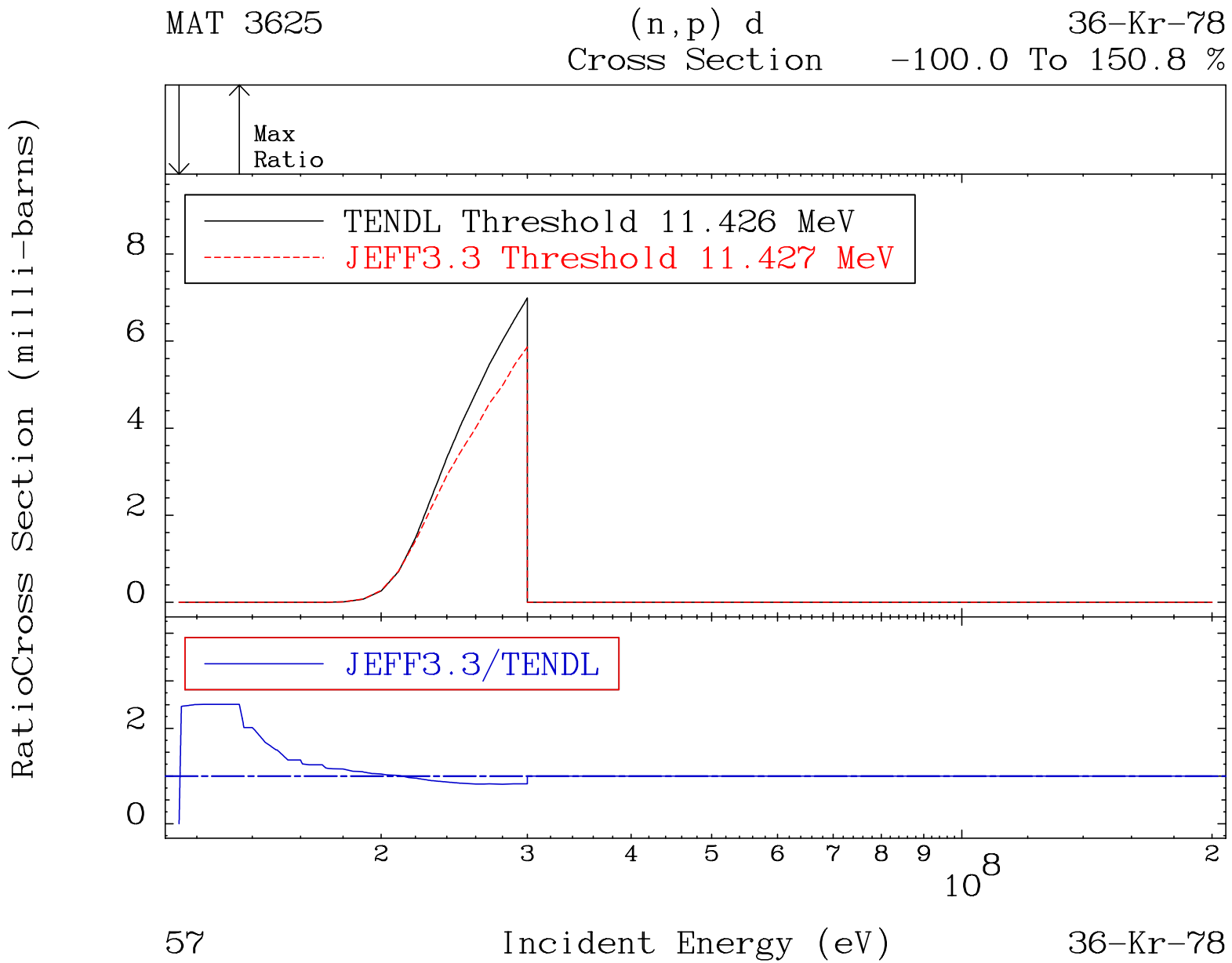

MAT 3625
(n,He-3)
Cross Section
36-Kr-78
-100.0 To 18.47 %
Min Ratio
Max Ratio
TENDL Threshold 5.8611 MeV
JEFF3.3 Threshold 5.8624 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
52
Incident Energy (eV)
36-Kr-78

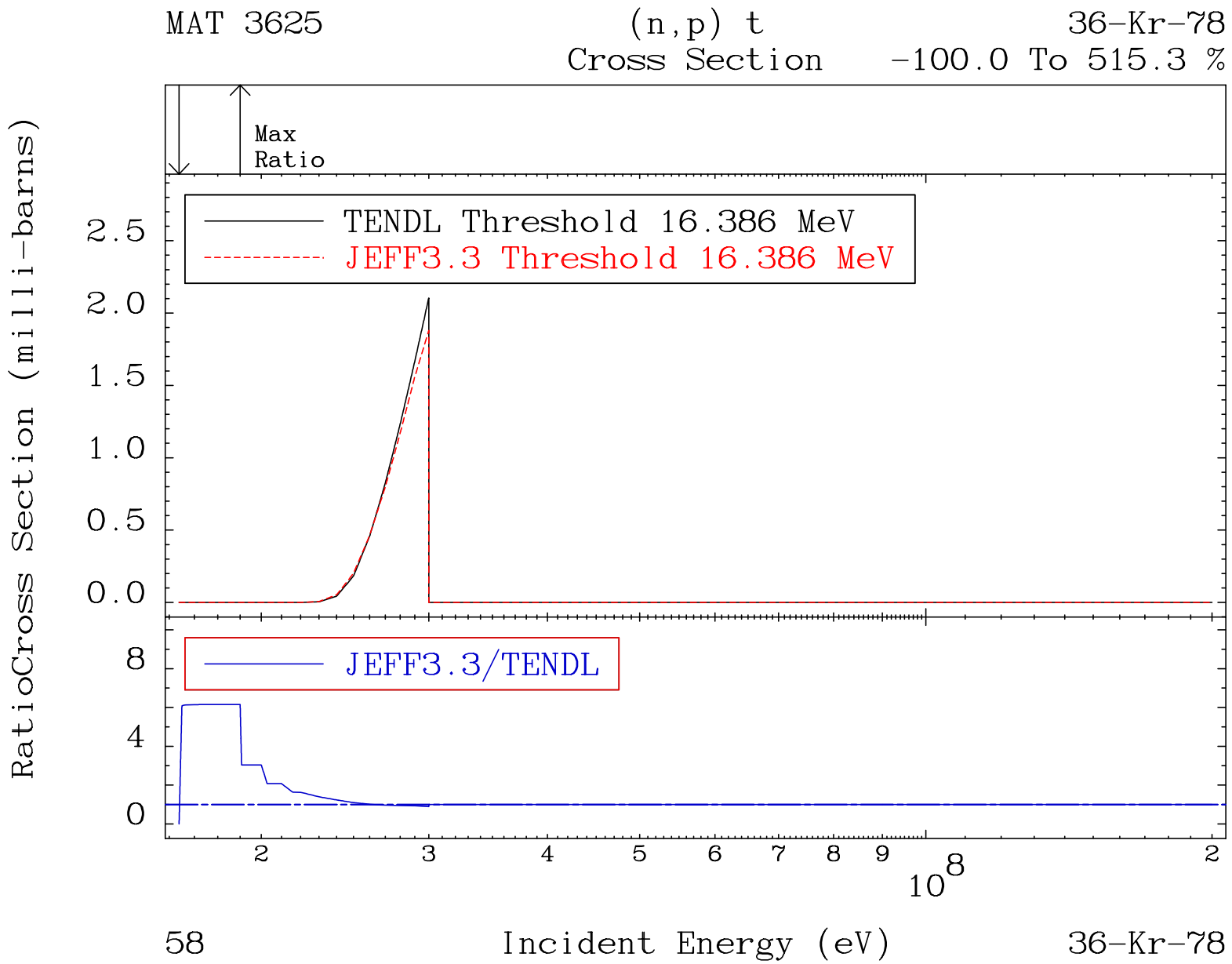

MAT 3625
(n,α)
36-Kr-78
Cross Section
-34.21 To 1861. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
36-Kr-78

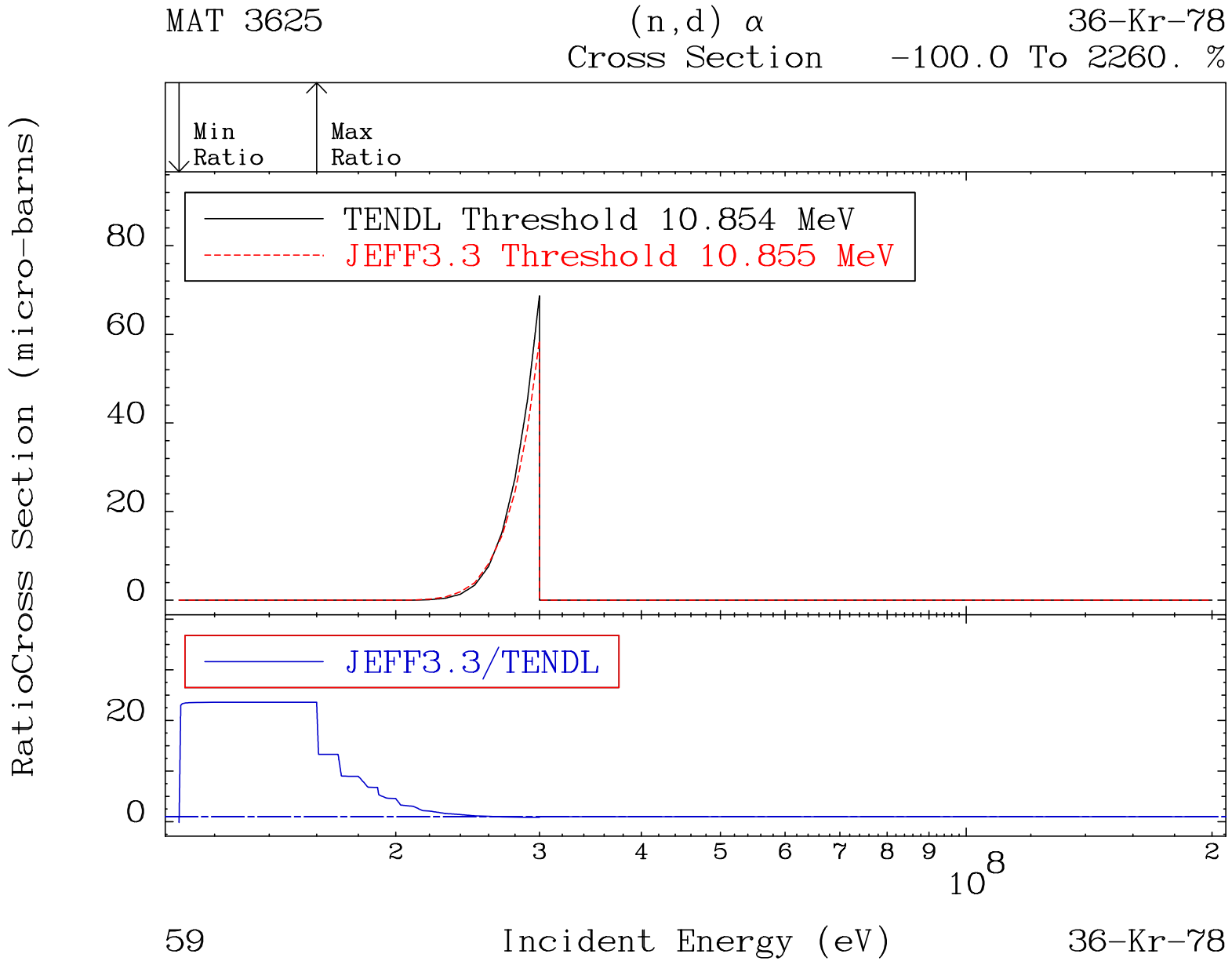

MAT 3625
(n,2α)
36-Kr-78
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0637 MeV
JEFF3.3 Threshold 1.0652 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
300
200
100
0
10^6
10^7
10^8
Incident Energy (eV)
54
36-Kr-78

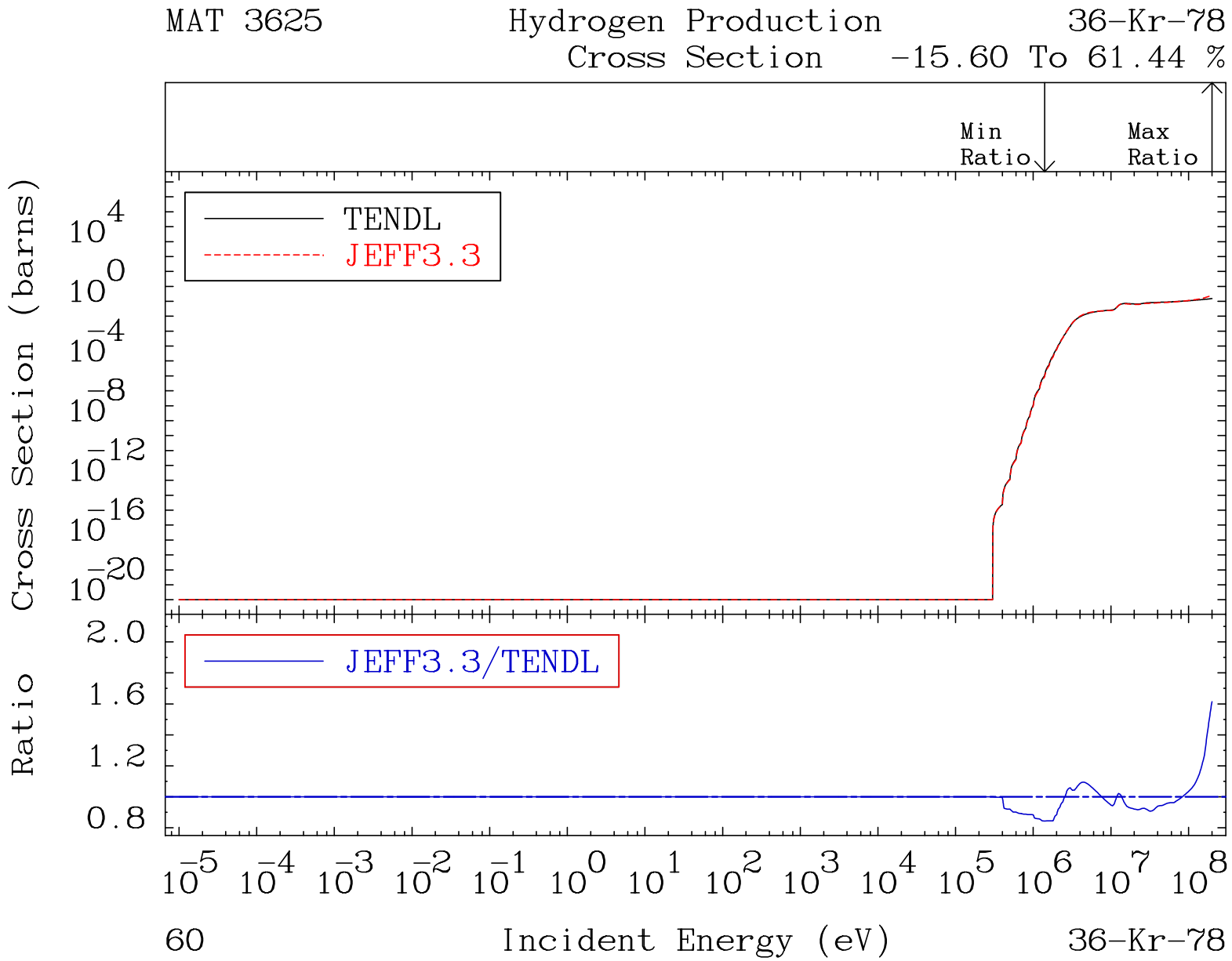

MAT 3625
(n,2p)
36-Kr-78
Cross Section
-100.0 To 29.84 %
Max
Ratio
TENDL Threshold 6.1642 MeV
JEFF3.3 Threshold 6.1655 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
55
Incident Energy (eV)
36-Kr-78

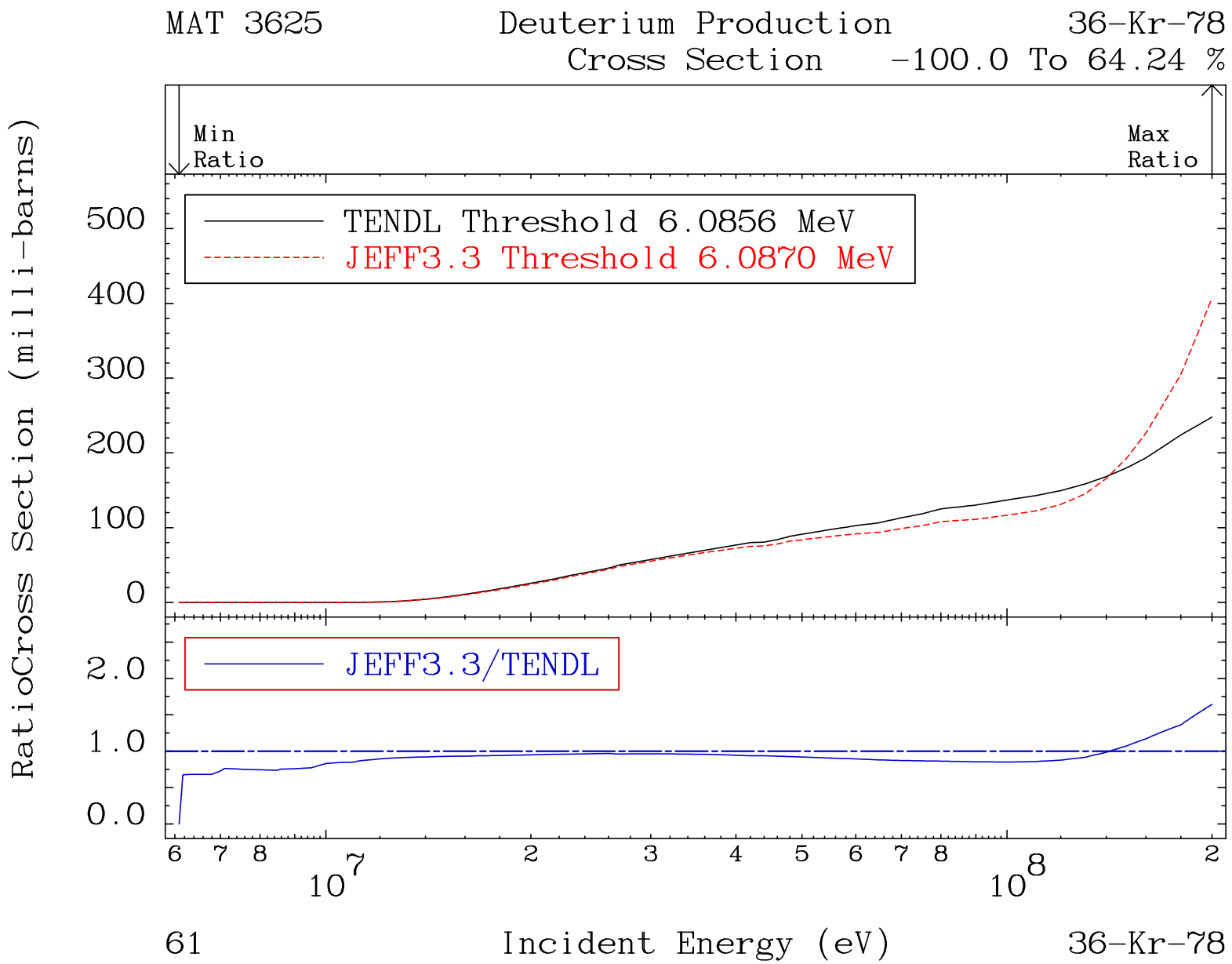

MAT 3625
(n,p) α
36-Kr-78
Cross Section
-100.0 To 2716. %
Min Ratio
Max Ratio
TENDL Threshold 5.0250 MeV
JEFF3.3 Threshold 5.0263 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
56
36-Kr-78

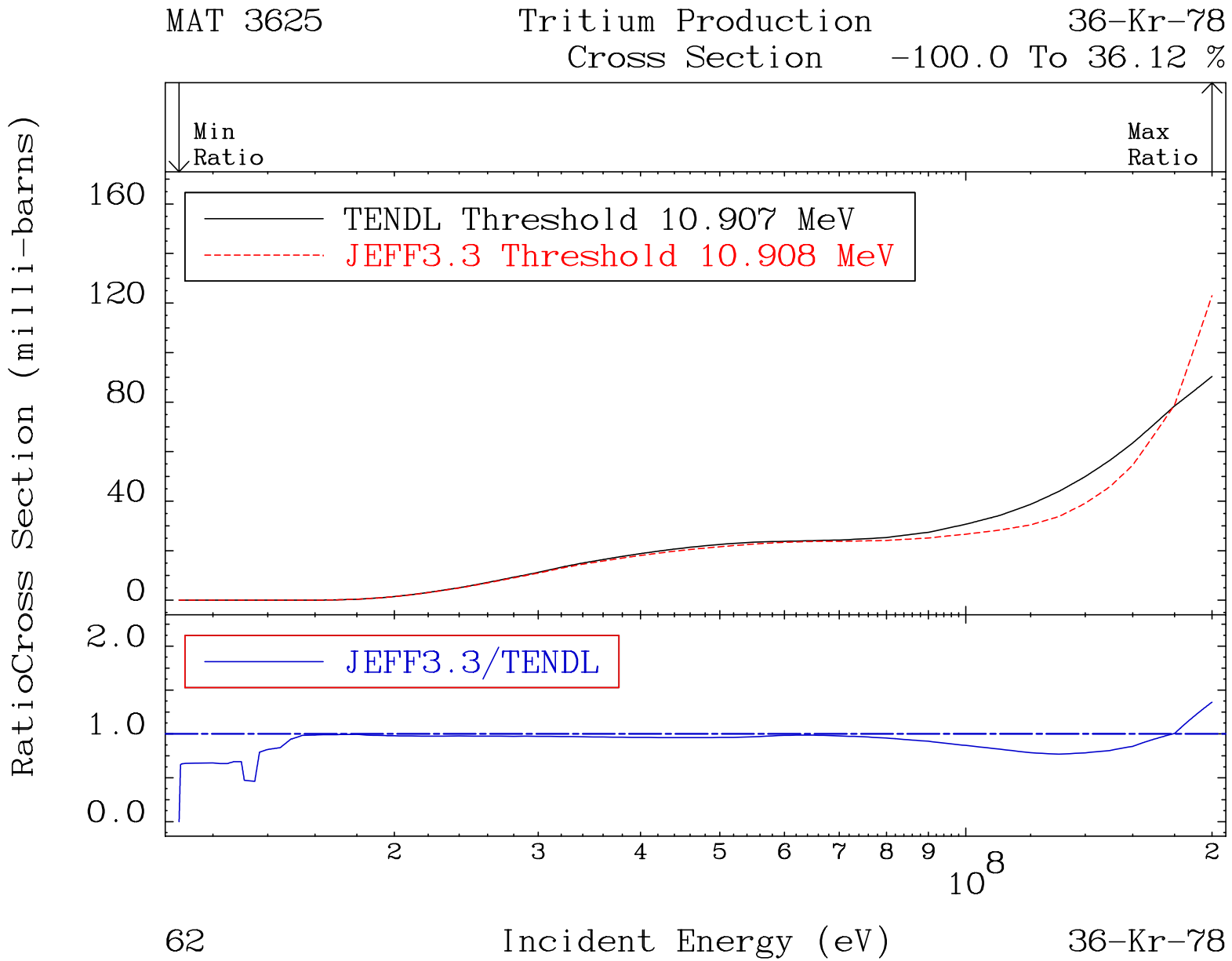

MAT 3625
(n,p) d
Cross Section
36-Kr-78
-100.0 To 150.8 %
Max
Ratio
TENDL Threshold 11.426 MeV
JEFF3.3 Threshold 11.427 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
0
2
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
36-Kr-78

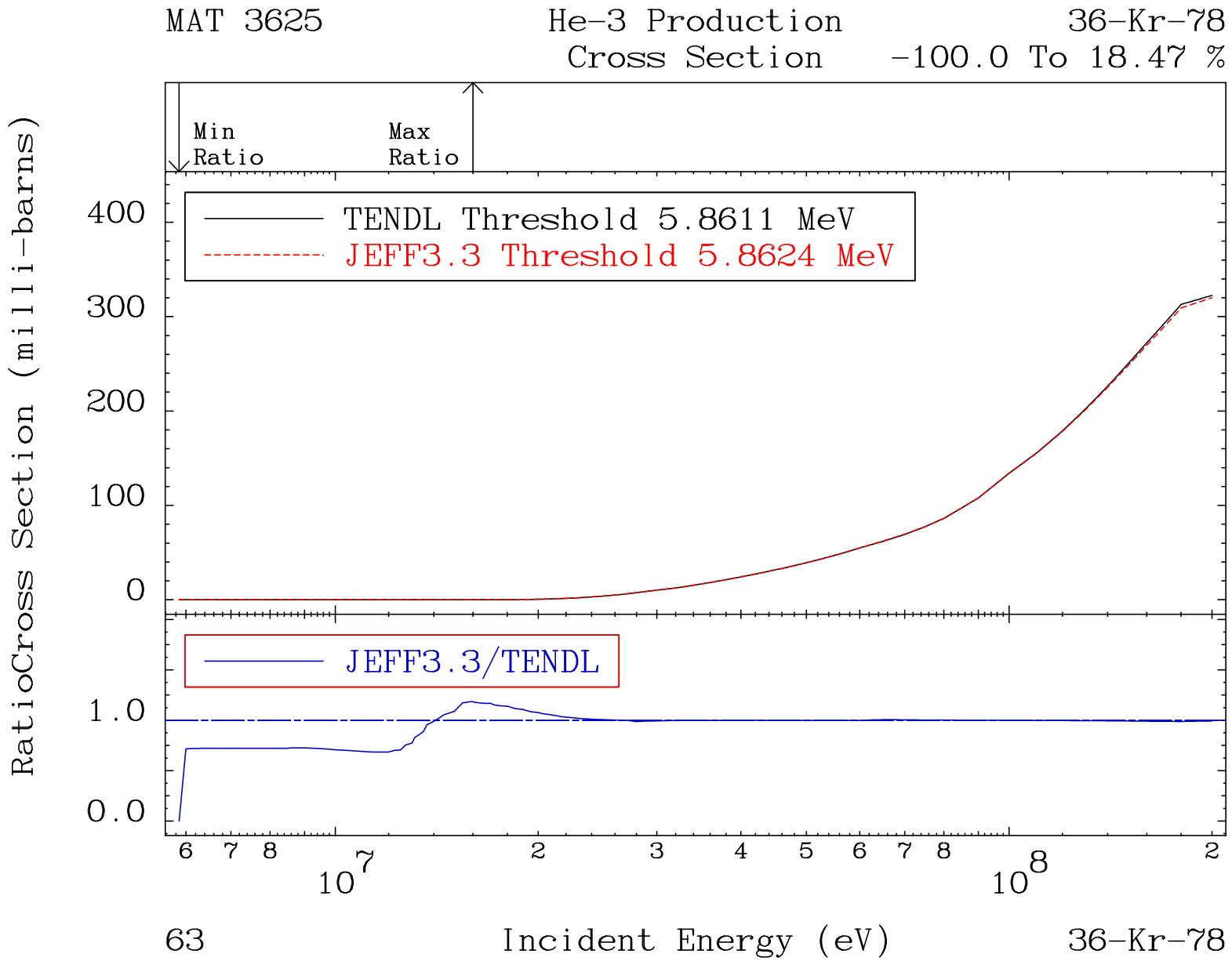

MAT 3625
(n,p) t
Cross Section
36-Kr-78
-100.0 To 515.3 %
Max
Ratio
TENDL Threshold 16.386 MeV
JEFF3.3 Threshold 16.386 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
36-Kr-78

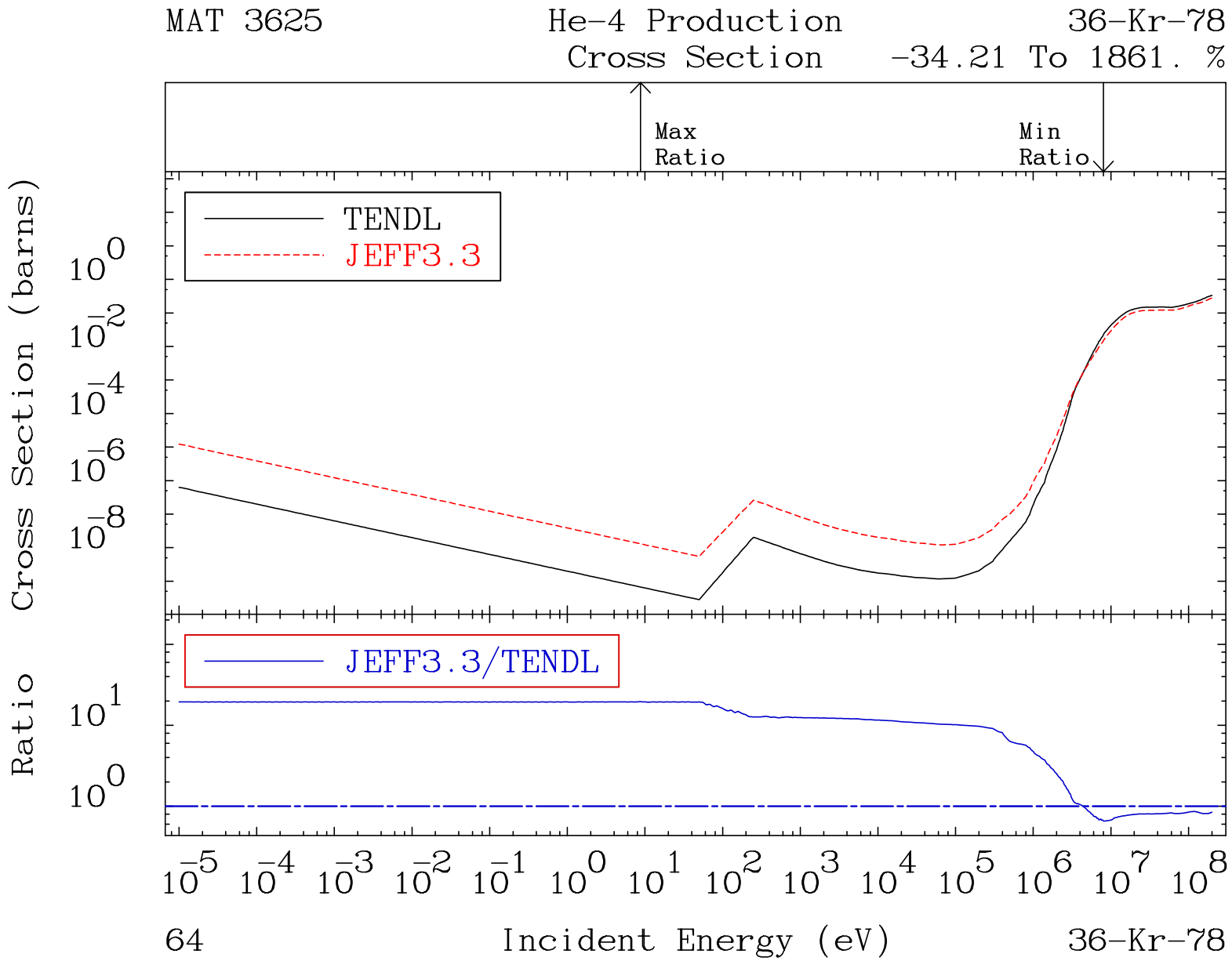

MAT 3625
(n,d) α
36-Kr-78
Cross Section
-100.0 To 2260. %
Min Ratio
Max Ratio
TENDL Threshold 10.854 MeV
JEFF3.3 Threshold 10.855 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
20
0
2
3
4
5
6
7
8
9
2
10^8
59
Incident Energy (eV)
36-Kr-78

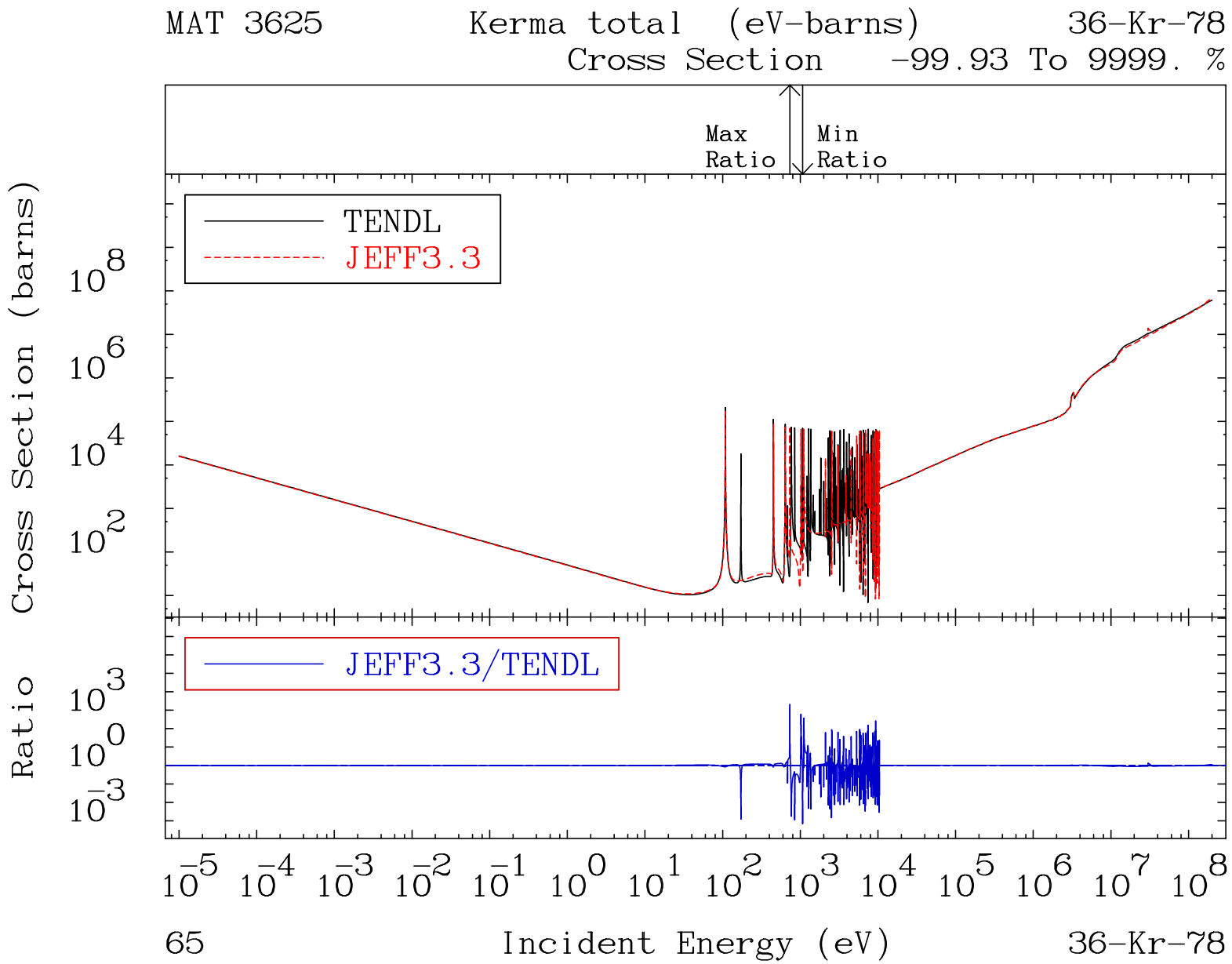

MAT 3625
Hydrogen Production
36-Kr-78
Cross Section
-15.60 To 61.44 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
36-Kr-78

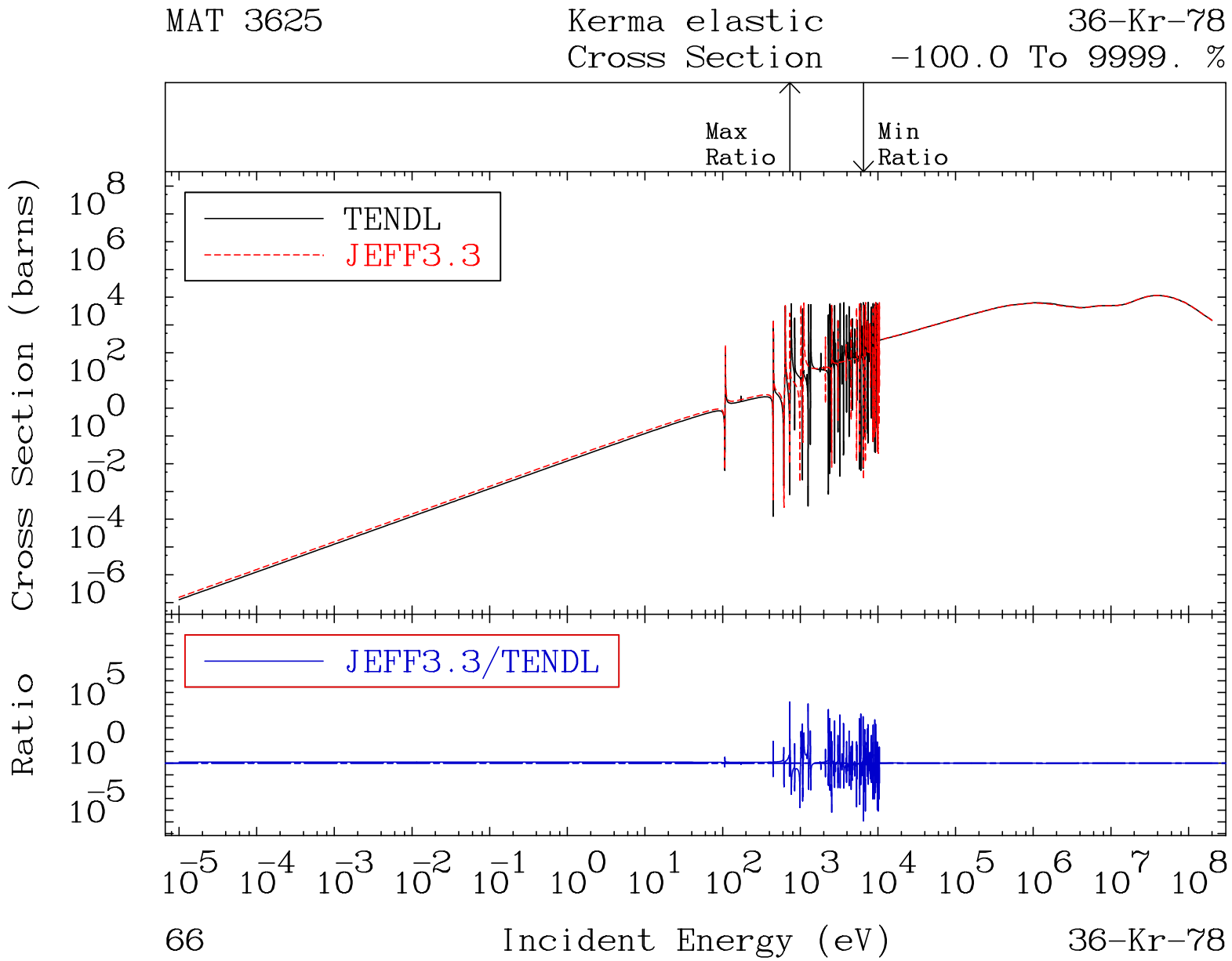

MAT 3625
Deuterium Production
36-Kr-78
Cross Section -100.0 To 64.24 %
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2.0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
61
Incident Energy (eV)
36-Kr-78

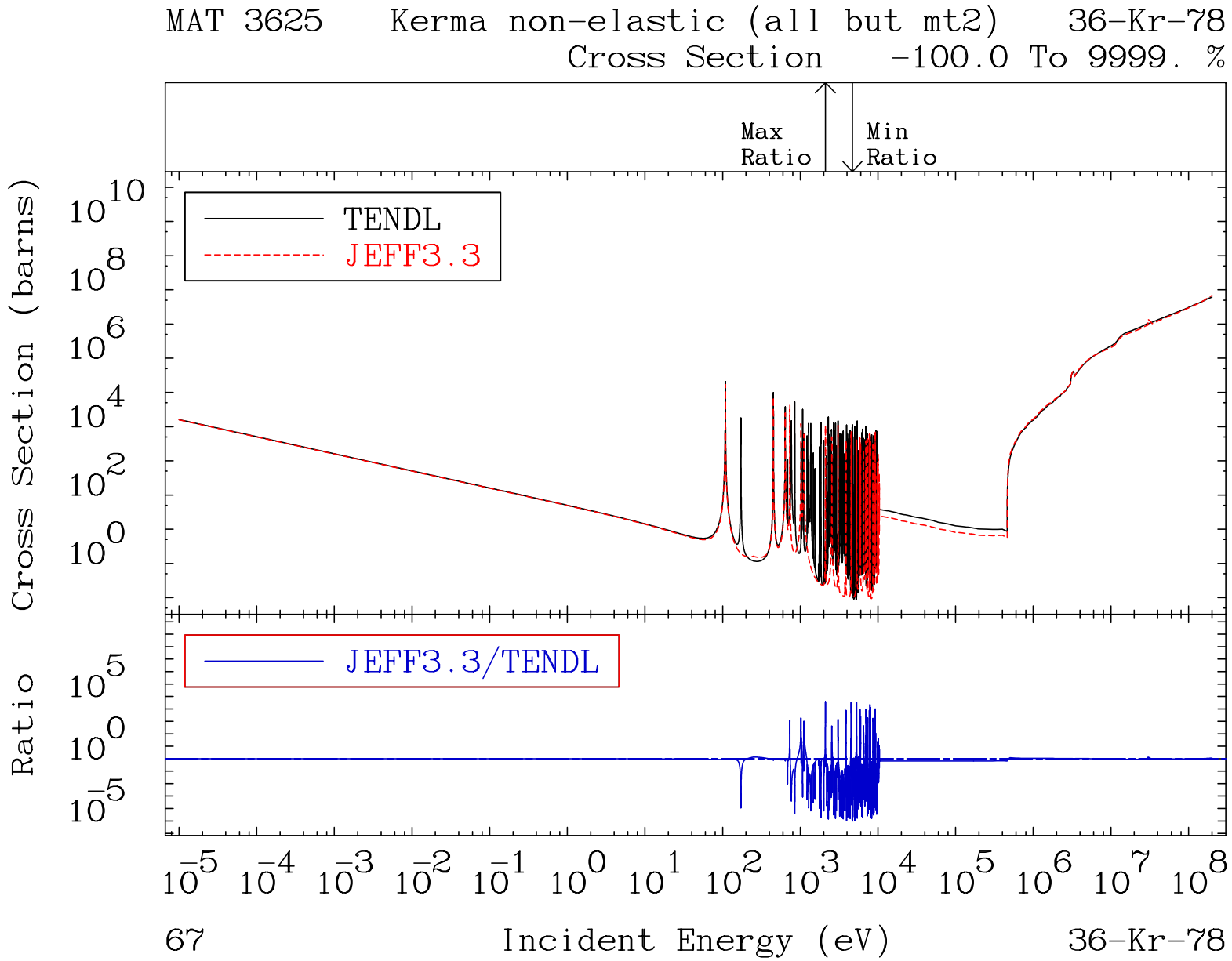

MAT 3625
Tritium Production
36-Kr-78
Cross Section
-100.0 To 36.12 %
Min
Ratio
Max
Ratio
TENDL Threshold 10.907 MeV
JEFF3.3 Threshold 10.908 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
36-Kr-78

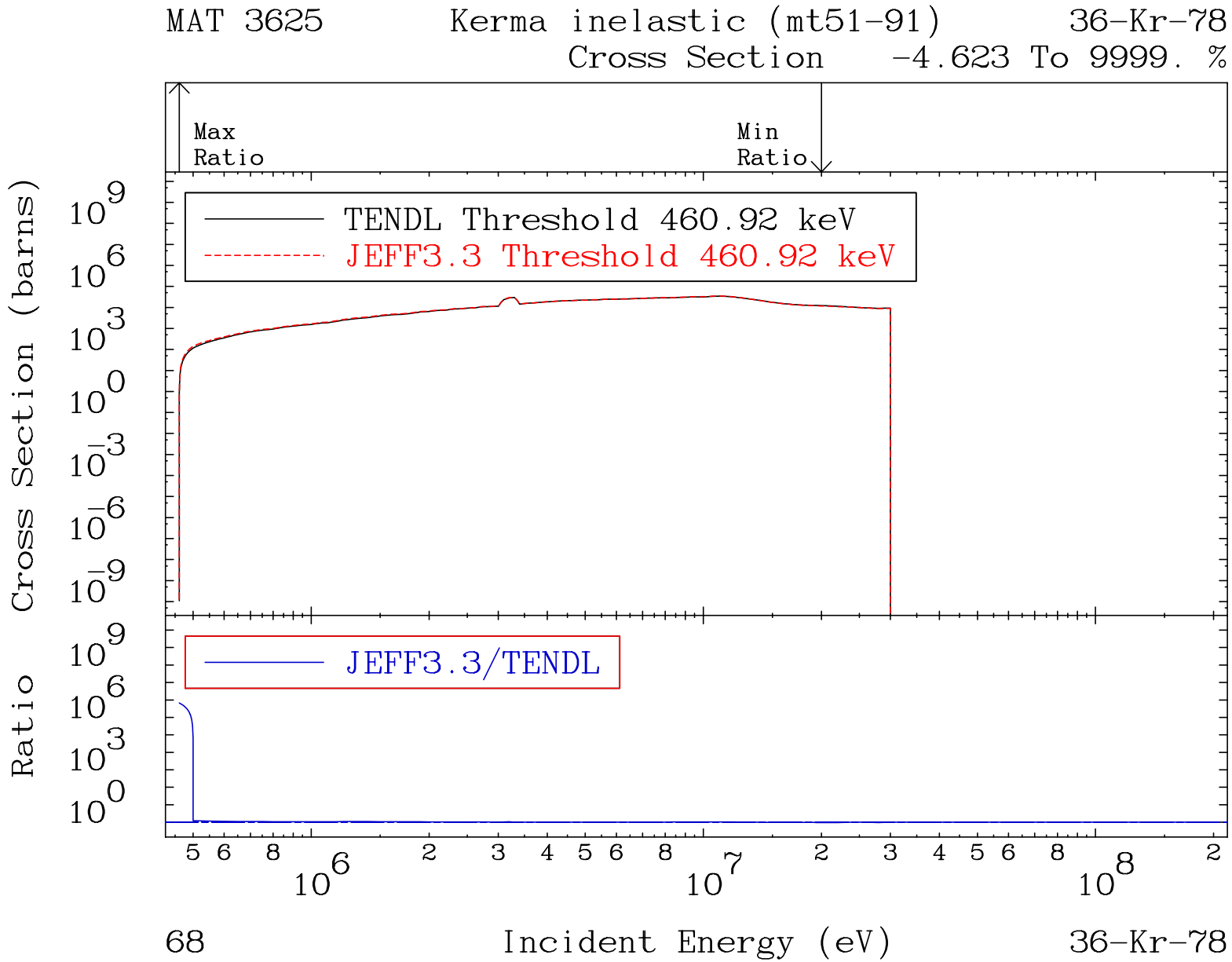

MAT 3625
He-3 Production
Cross Section
36-Kr-78
-100.0 To 18.47 %
Min Ratio
Max Ratio
TENDL Threshold 5.8611 MeV
JEFF3.3 Threshold 5.8624 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
63
Incident Energy (eV)
36-Kr-78

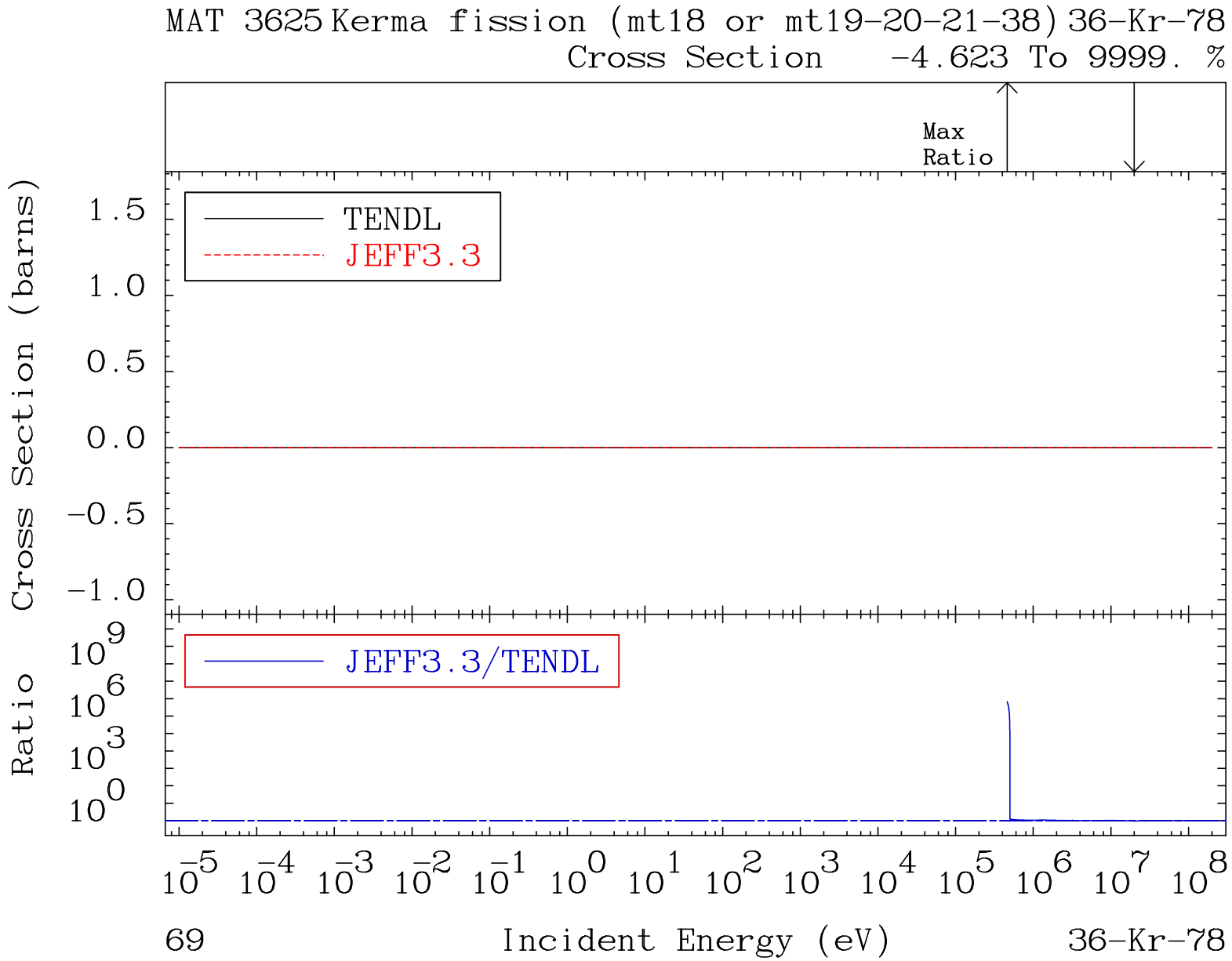

MAT 3625
He-4 Production
Cross Section
36-Kr-78
-34.21 To 1861. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
36-Kr-78

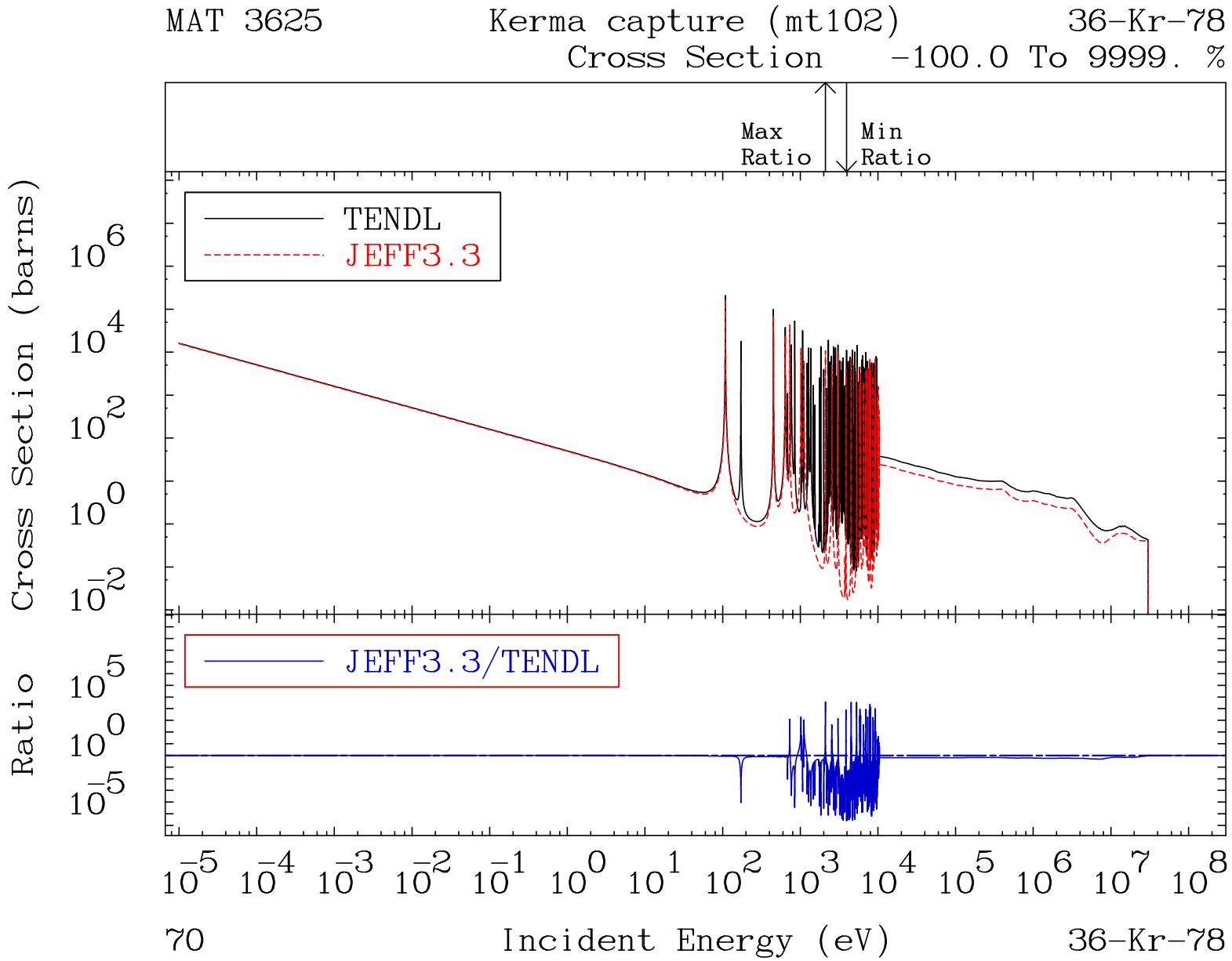

MAT 3625
Kerma total (eV-barns)
36-Kr-78
Cross Section -99.93 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
36-Kr-78

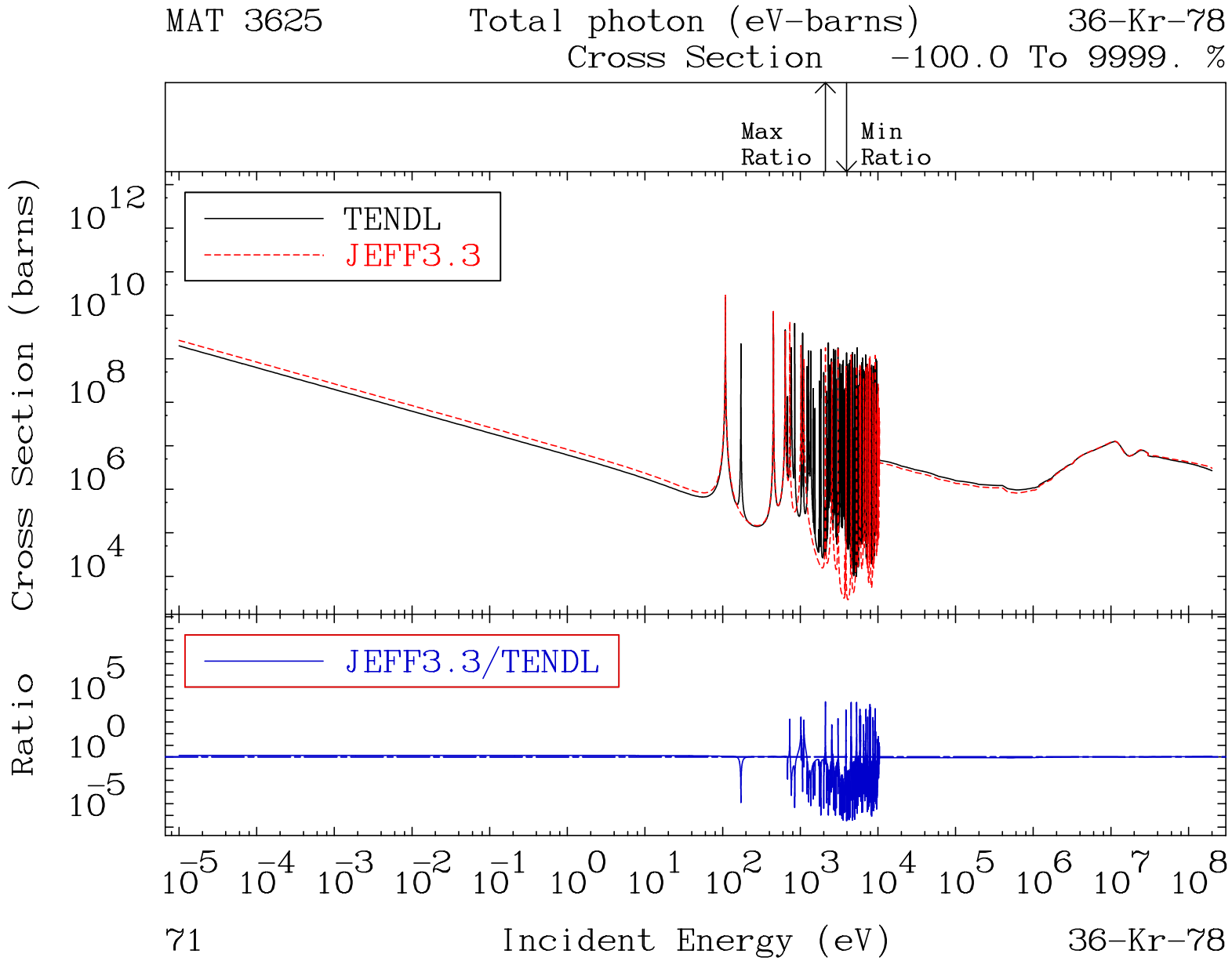

MAT 3625
Kerma elastic
Cross Section
36-Kr-78
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
36-Kr-78

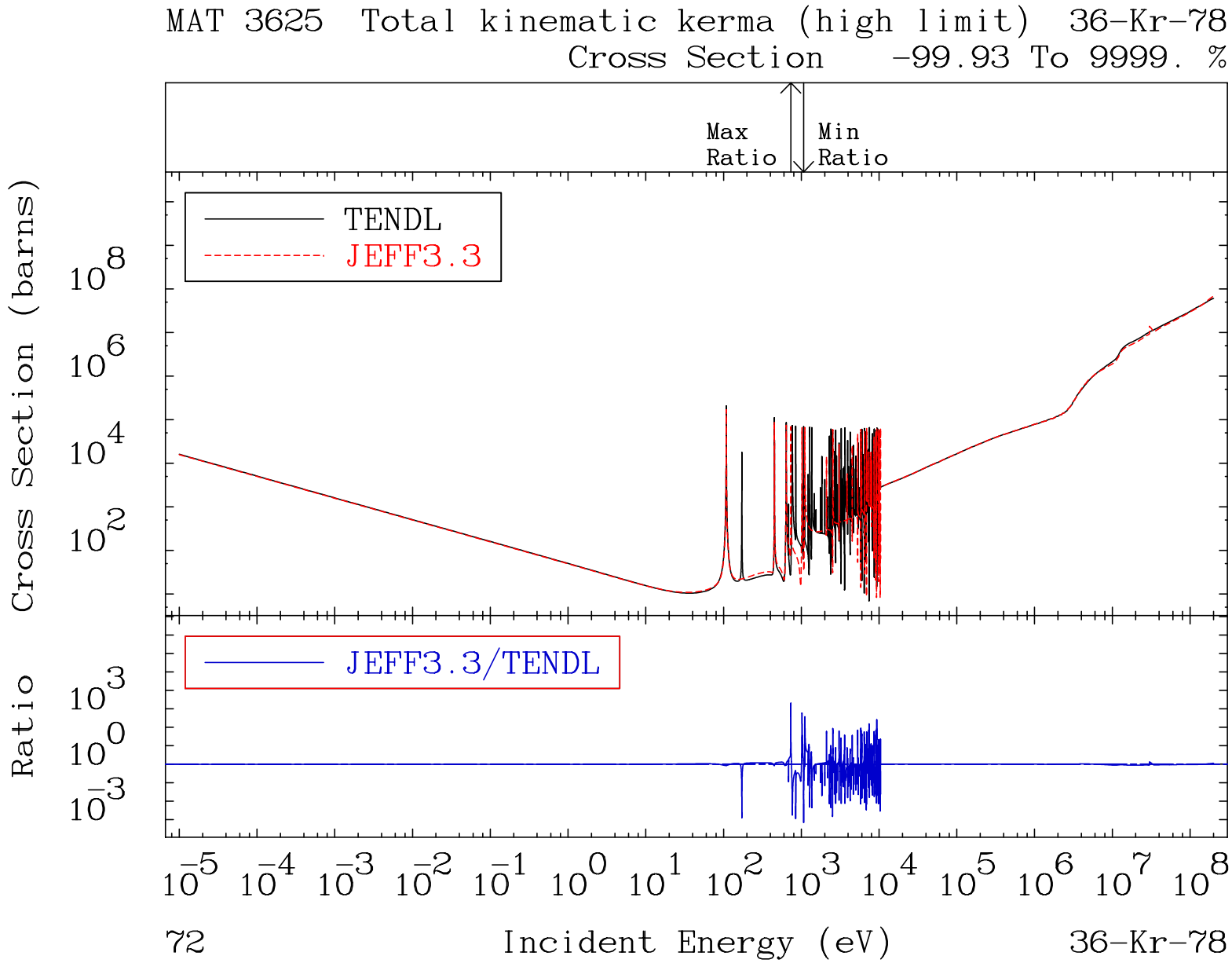

MAT 3625 Kerma non-elastic (all but mt2) 36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
36-Kr-78

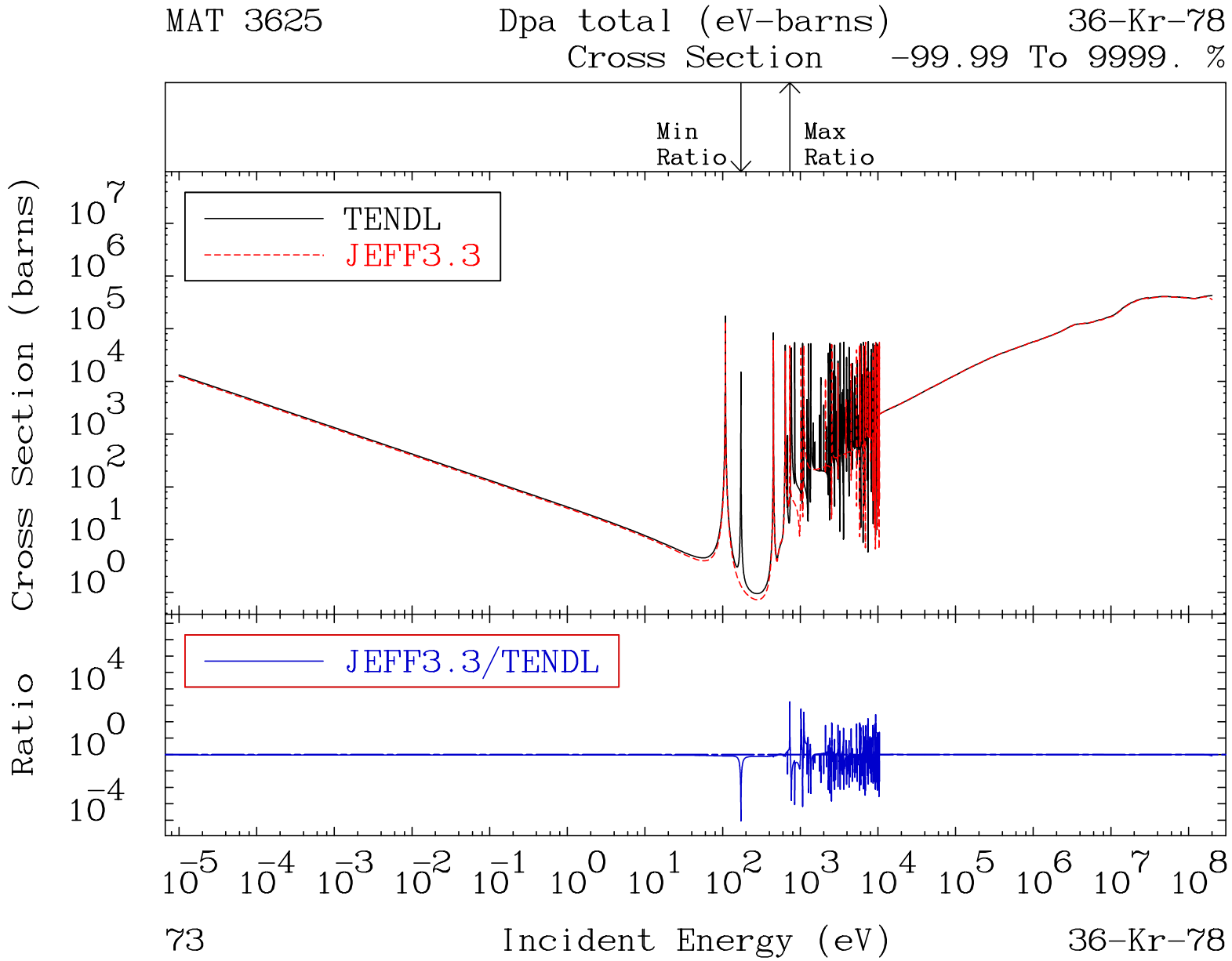

MAT 3625
Kerma inelastic (mt51-91)
36-Kr-78
Cross Section -4.623 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 460.92 keV
JEFF3.3 Threshold 460.92 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
36-Kr-78

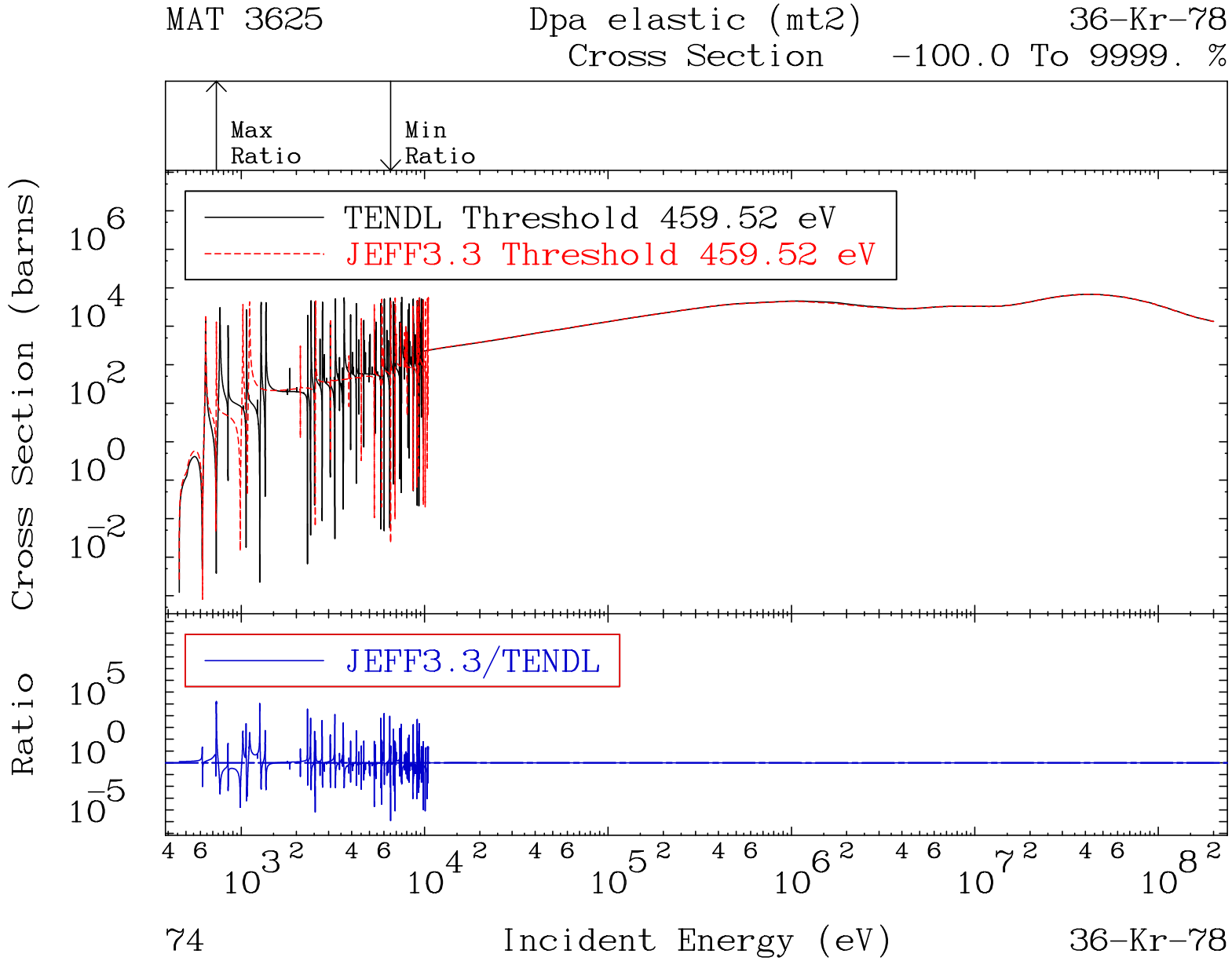

MAT 3625 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-78
Cross Section -4.623 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{9}
10^{6}
10^{3}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
69
Incident Energy (eV)
36-Kr-78

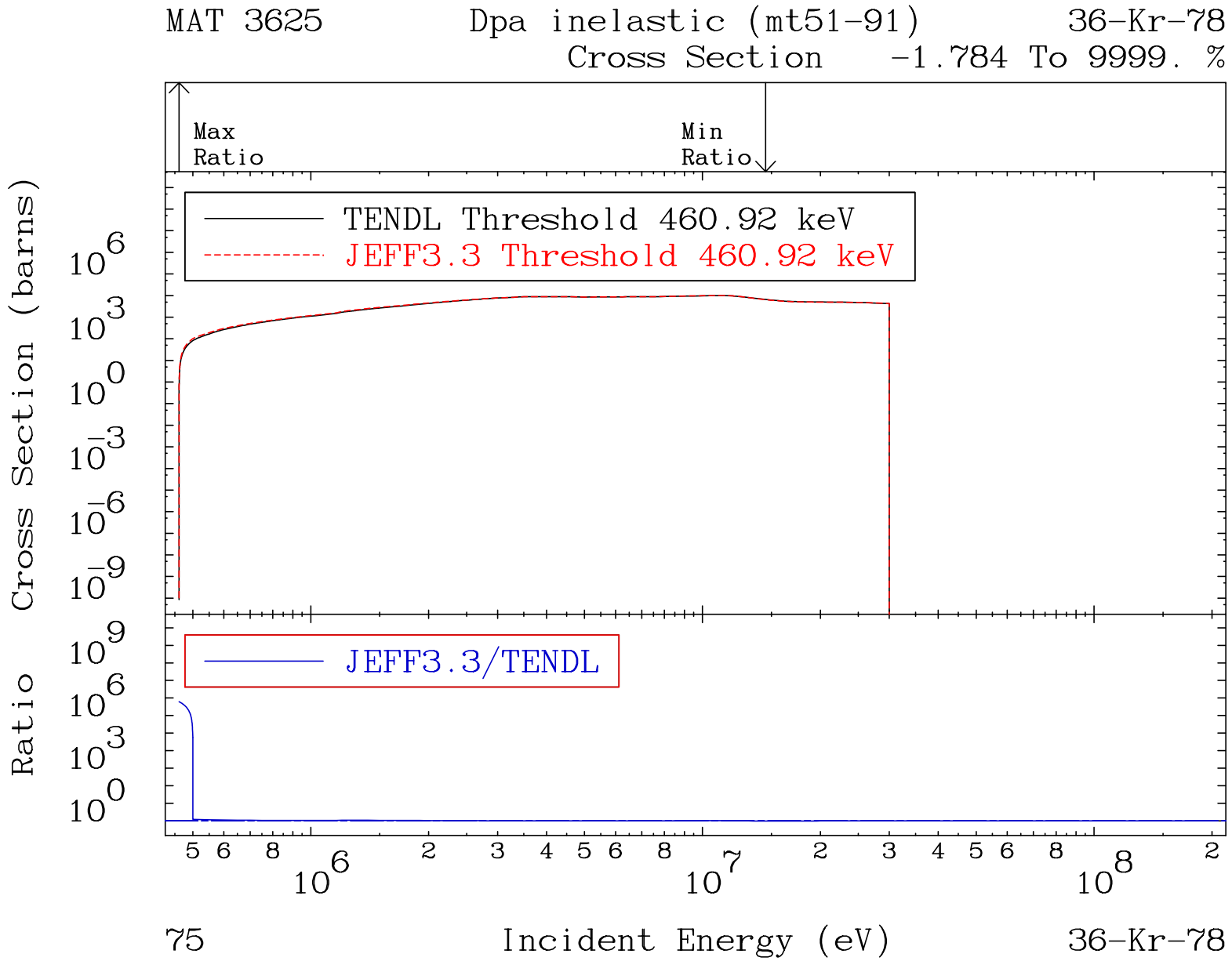

MAT 3625
Kerma capture (mt102)
36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
36-Kr-78

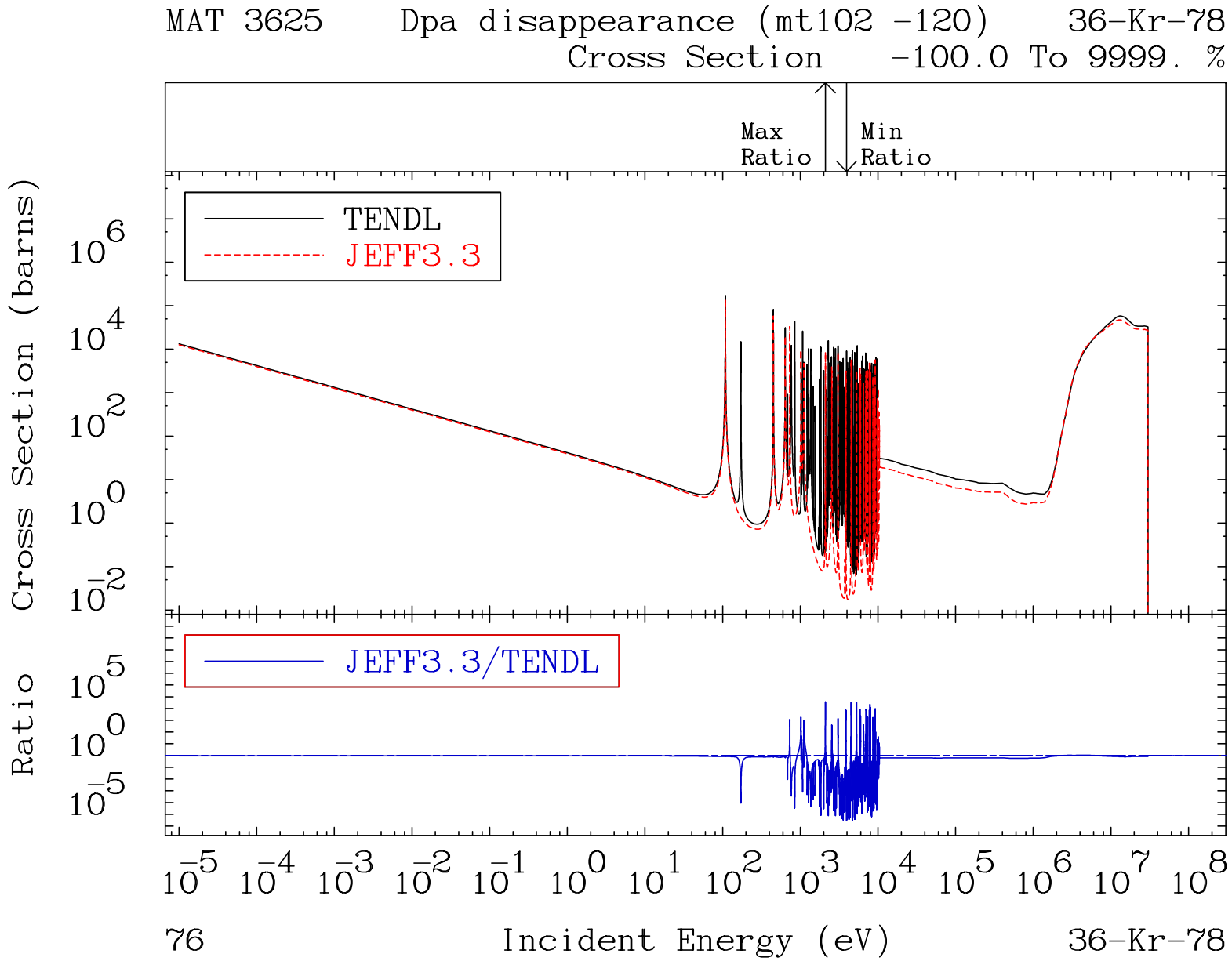

MAT 3625
Total photon (eV-barns)
36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
36-Kr-78

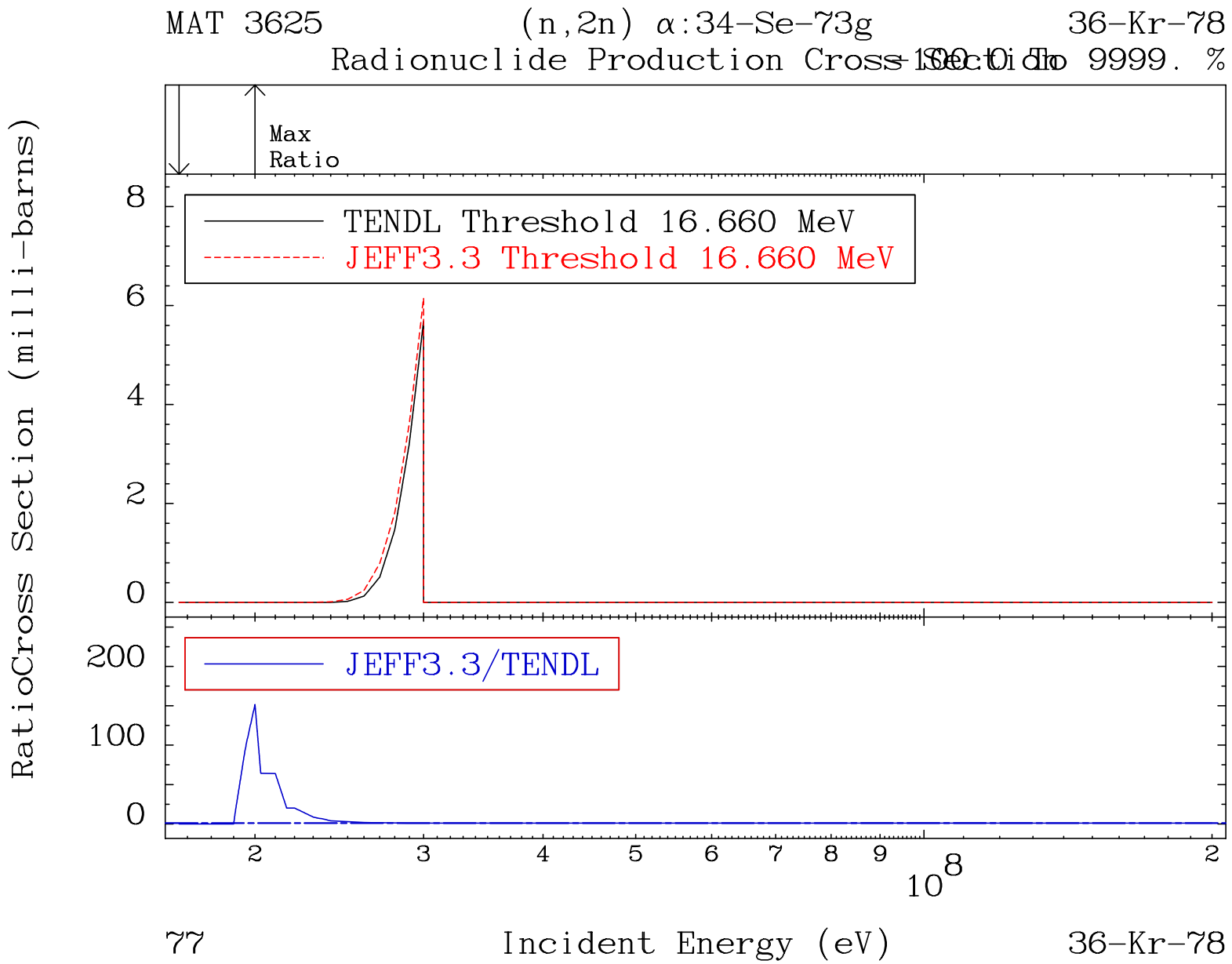

MAT 3625 Total kinematic kerma (high limit) 36-Kr-78
Cross Section -99.93 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
36-Kr-78

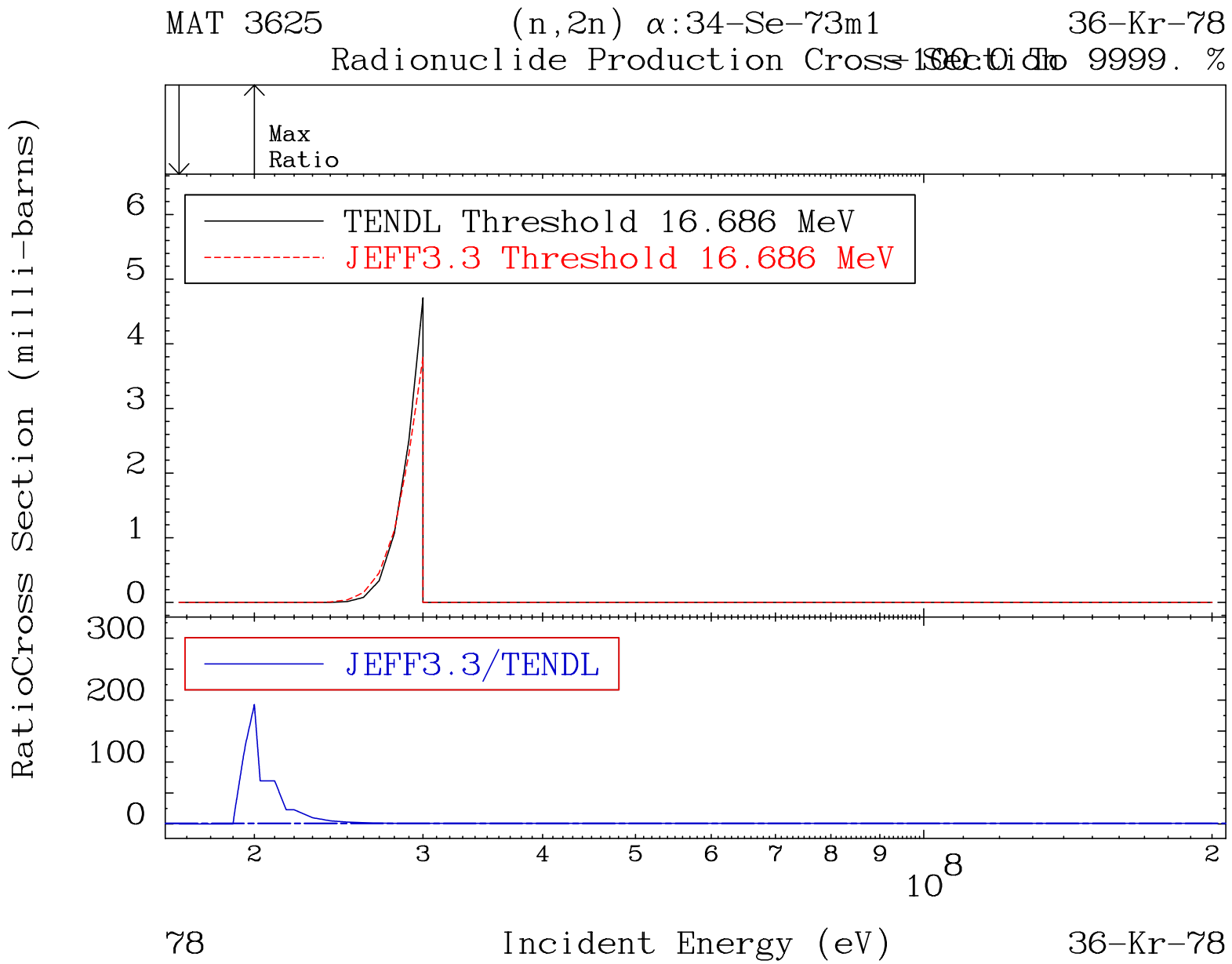

MAT 3625
Dpa total (eV-barns)
36-Kr-78
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
36-Kr-78

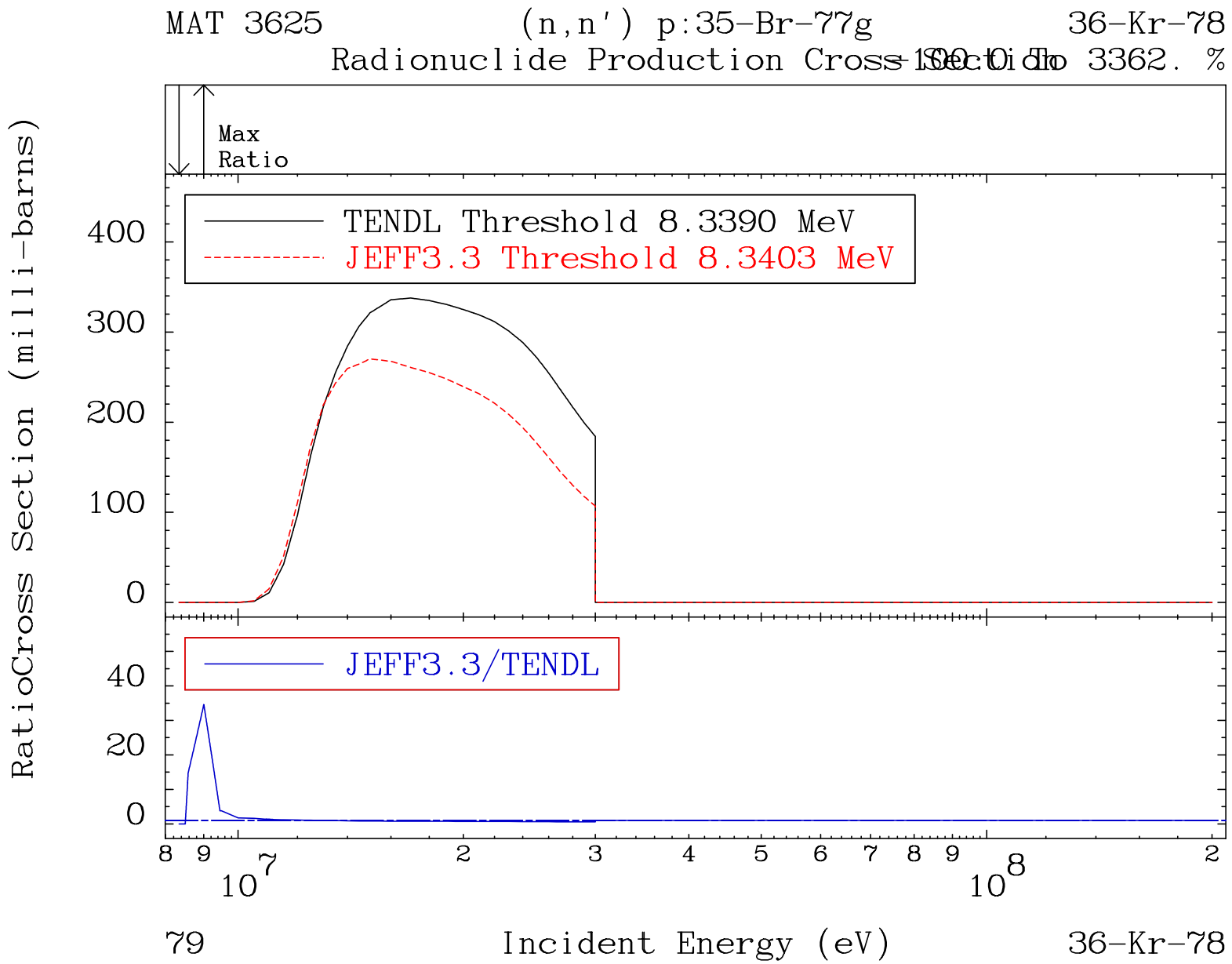

MAT 3625
Dpa elastic (mt2)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 459.52 eV
JEFF3.3 Threshold 459.52 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
36-Kr-78

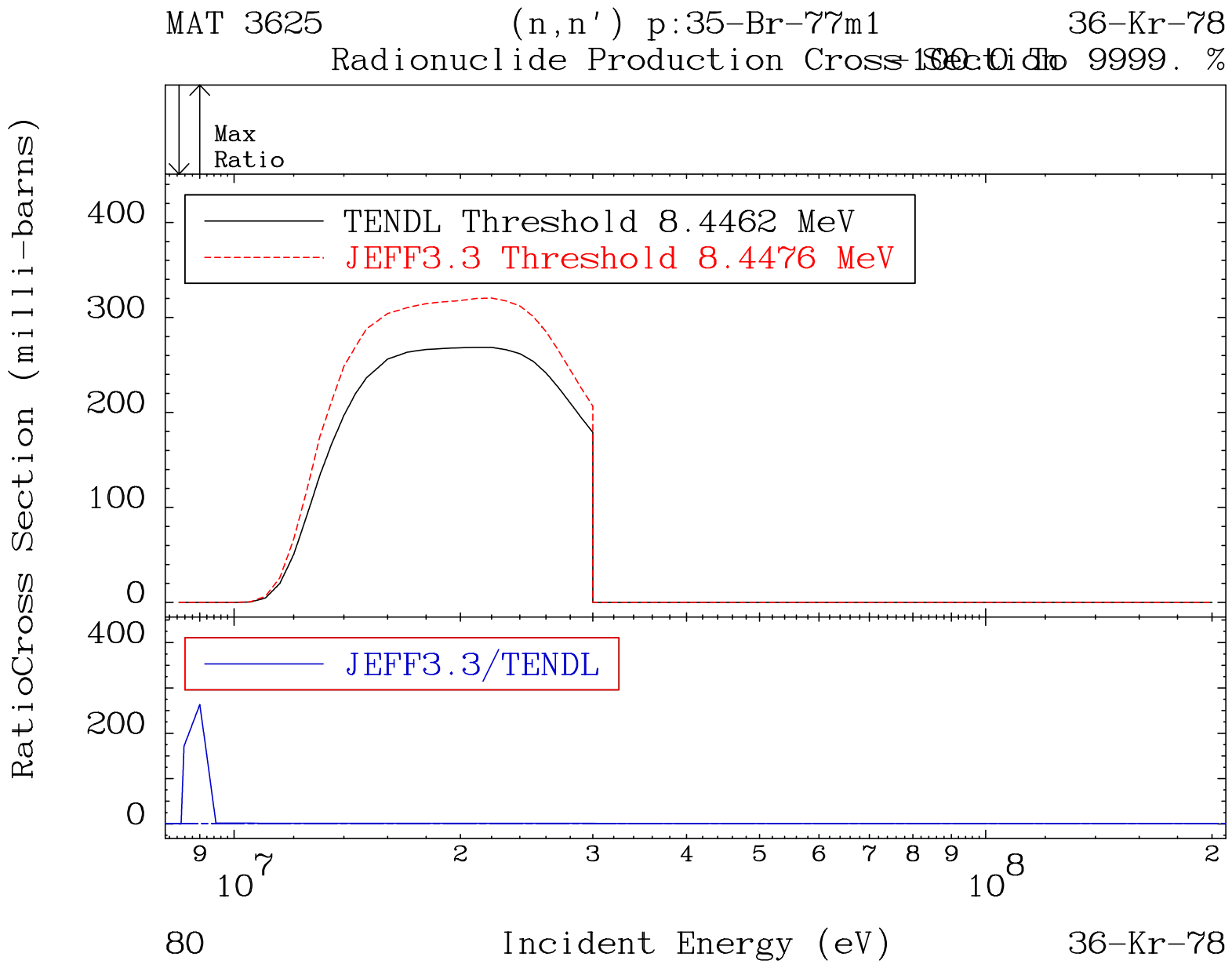

MAT 3625
Dpa inelastic (mt51-91)
36-Kr-78
Cross Section -1.784 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 460.92 keV
JEFF3.3 Threshold 460.92 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
36-Kr-78

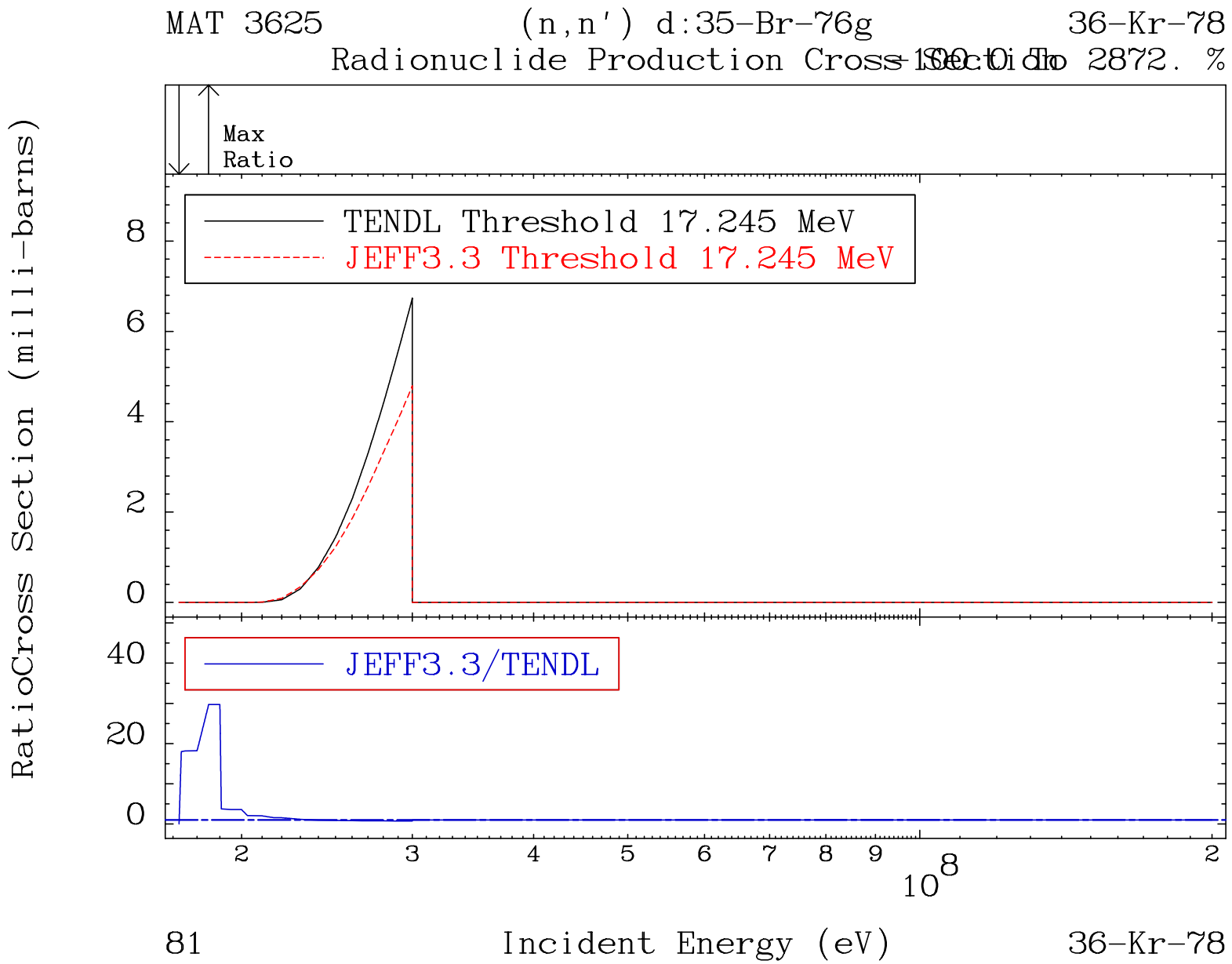

MAT 3625 Dpa disappearance (mt102 -120) 36-Kr-78
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
36-Kr-78

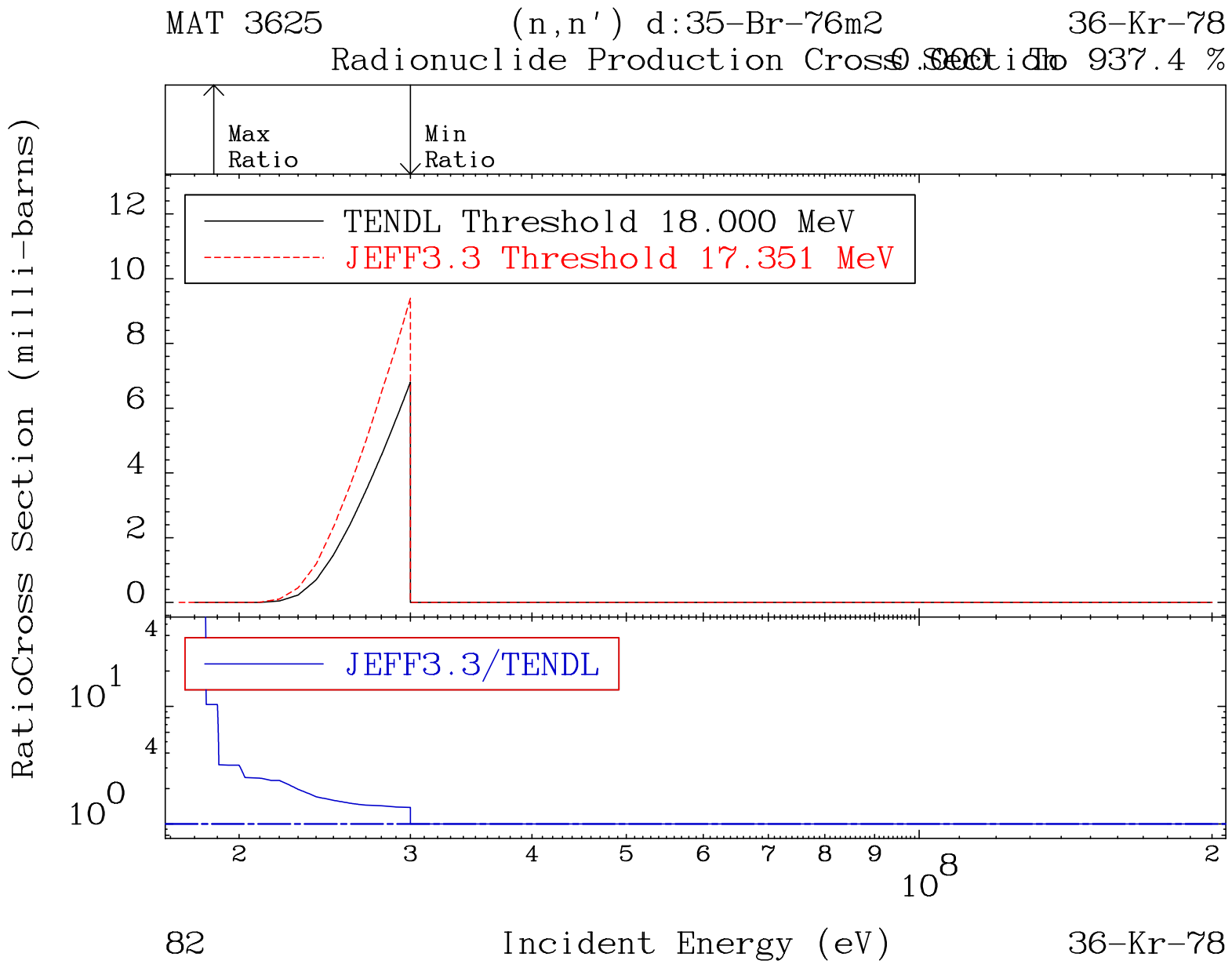

MAT 3625
(n,2n) α:34-Se-73g
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 16.660 MeV
JEFF3.3 Threshold 16.660 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
36-Kr-78

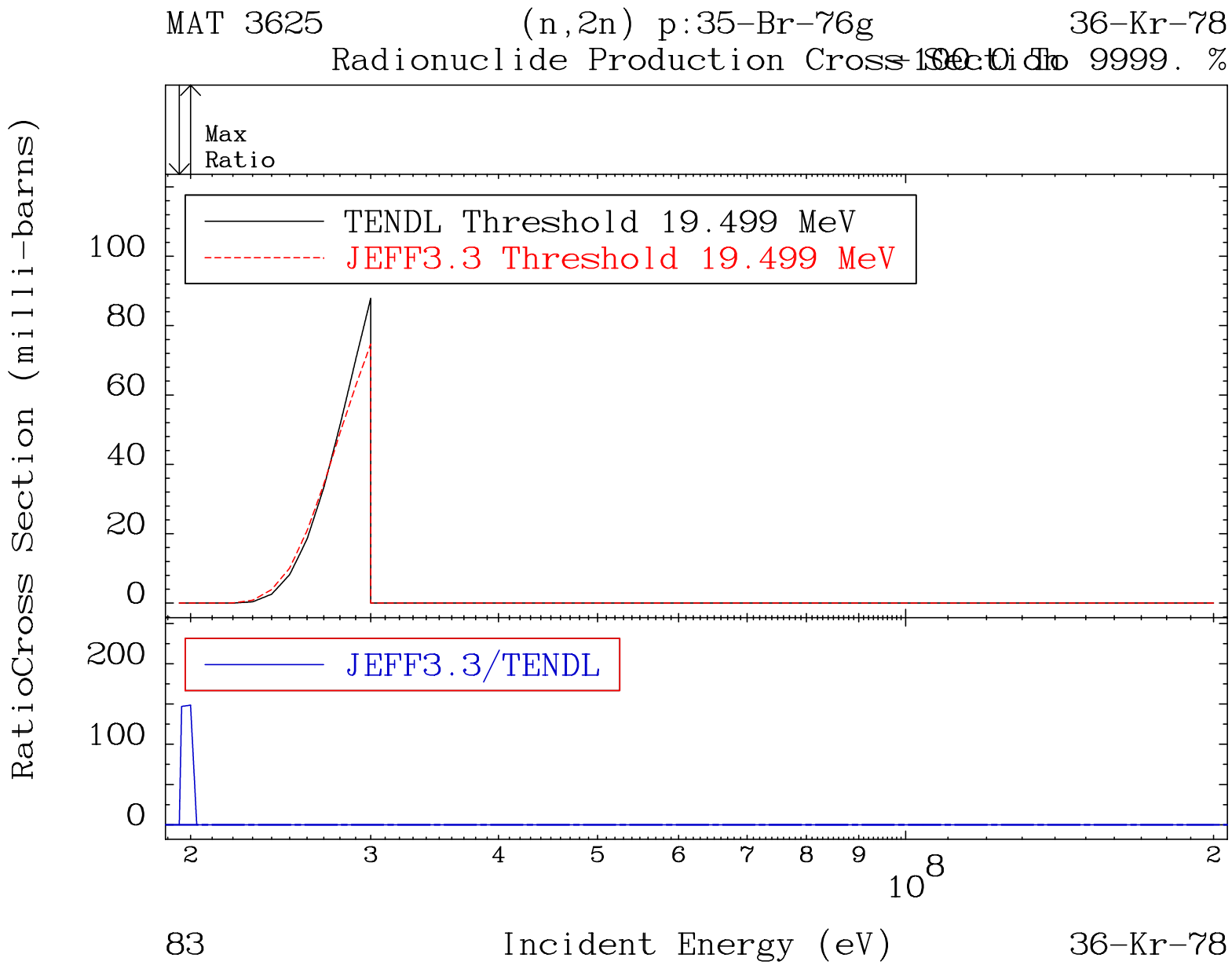

MAT 3625
(n,2n) α:34-Se-73m1
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 16.686 MeV
JEFF3.3 Threshold 16.686 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
78
36-Kr-78

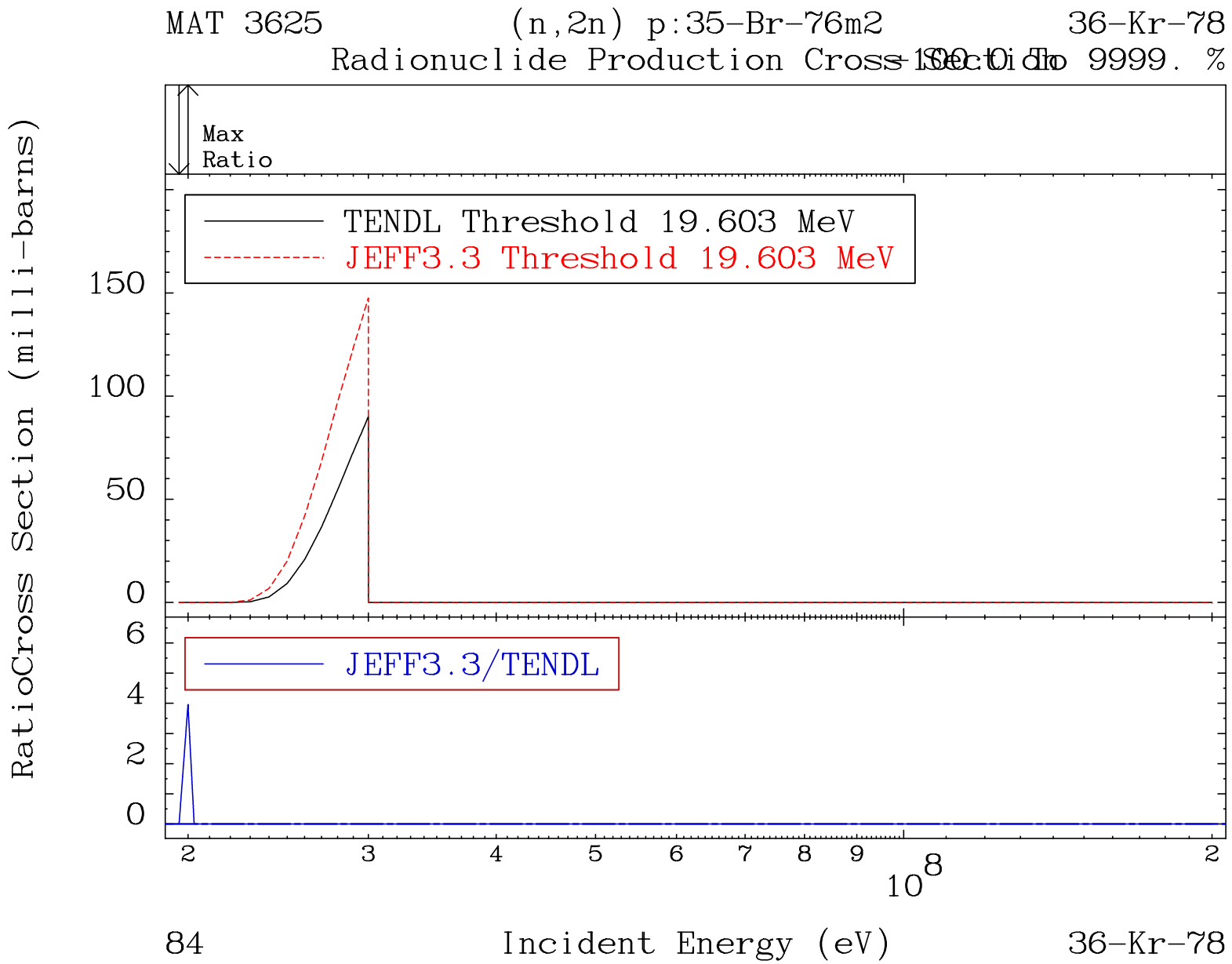

MAT 3625
(n,n') p:35-Br-77g
36-Kr-78
Radionuclide Production Cross Section To 3362. %
Max
Ratio
TENDL Threshold 8.3390 MeV
JEFF3.3 Threshold 8.3403 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
40
20
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
79
Incident Energy (eV)
36-Kr-78

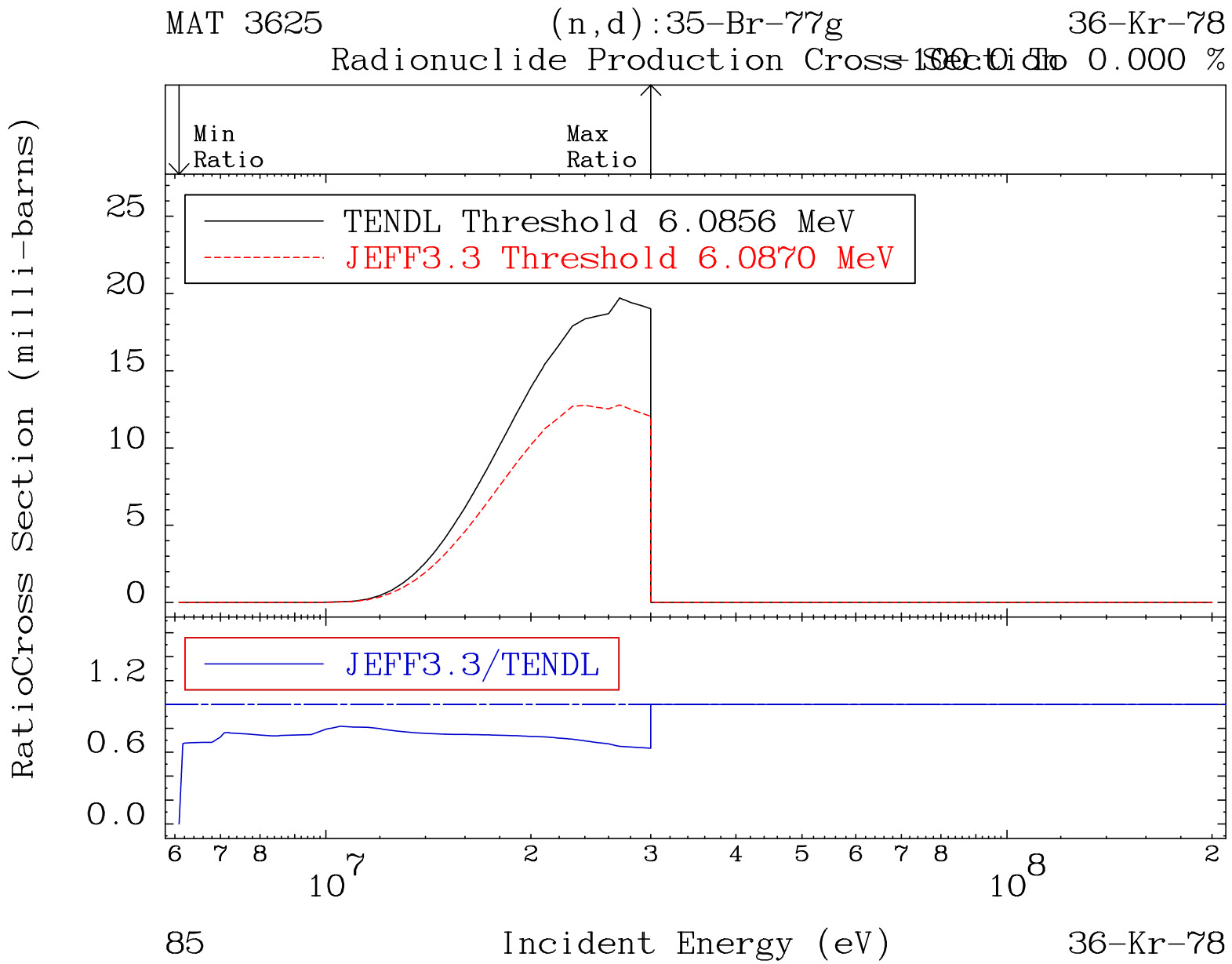

MAT 3625
(n,n') p:35-Br-77m1
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 8.4462 MeV
JEFF3.3 Threshold 8.4476 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
36-Kr-78

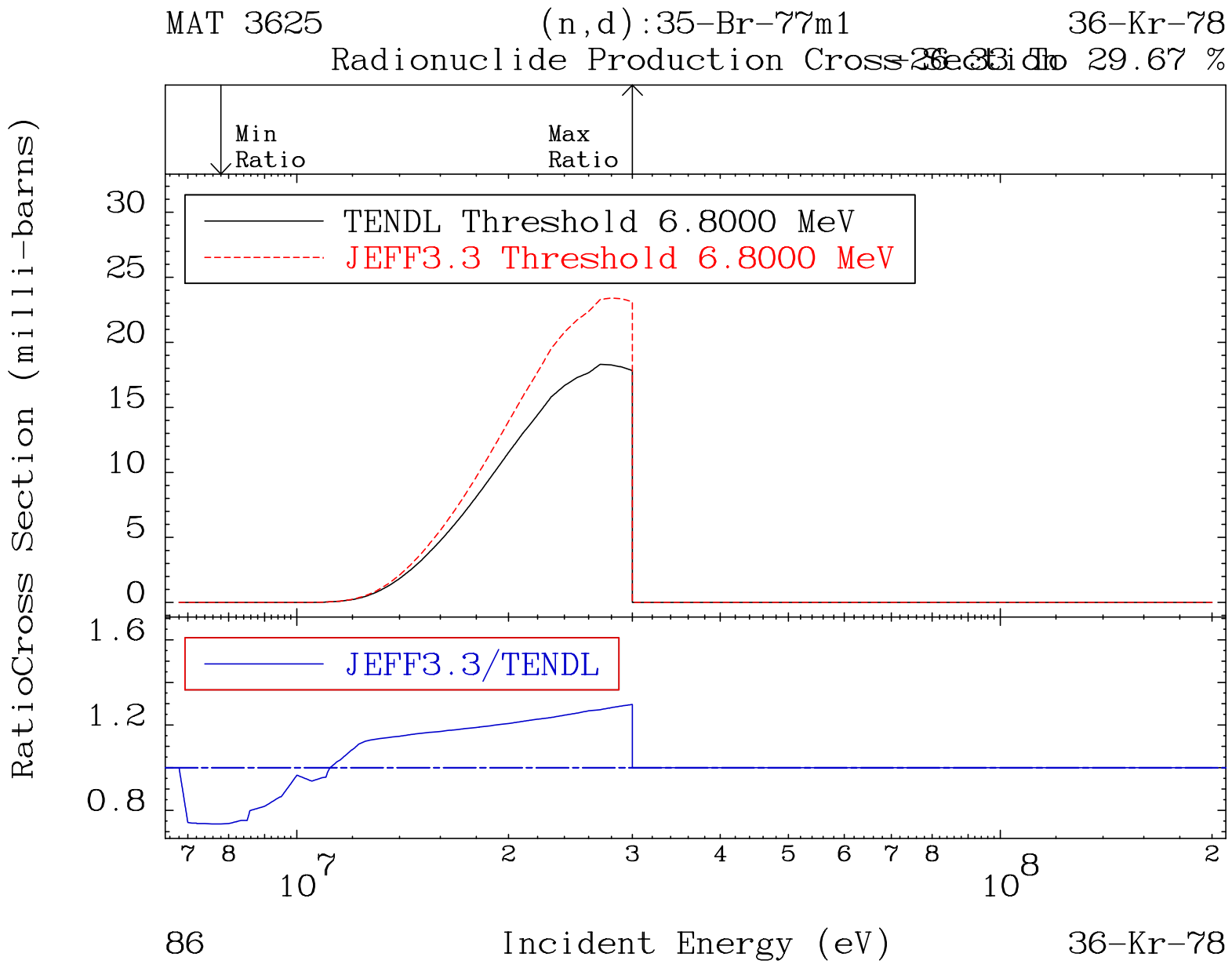

MAT 3625
(n,n') d:35-Br-76g
36-Kr-78
Radionuclide Production Cross Section To 2872. %
Max
Ratio
TENDL Threshold 17.245 MeV
JEFF3.3 Threshold 17.245 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
36-Kr-78

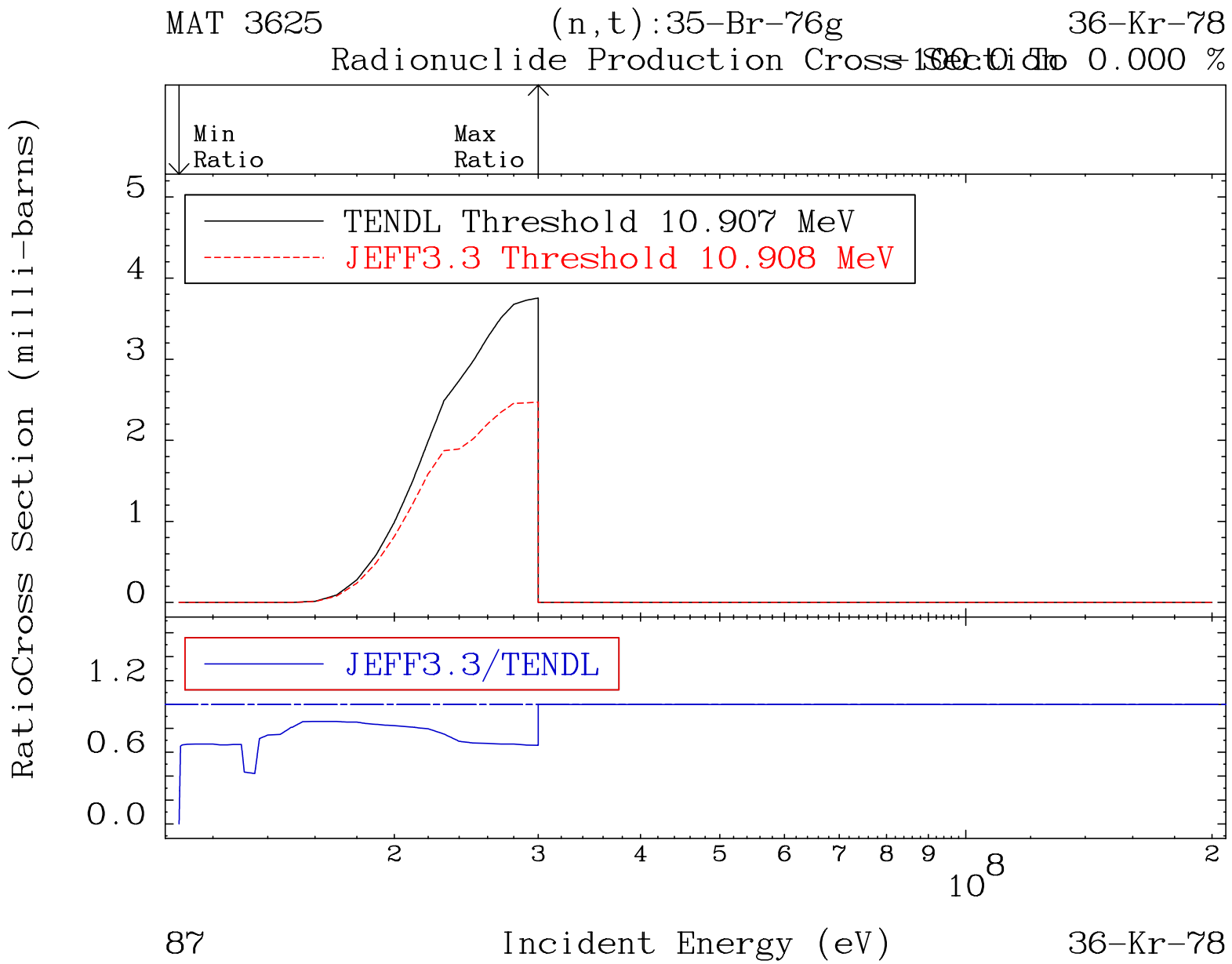

MAT 3625
(n,n') d:35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section
0.000 To 937.4 %
Max Ratio
Min Ratio
TENDL Threshold 18.000 MeV
JEFF3.3 Threshold 17.351 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
36-Kr-78

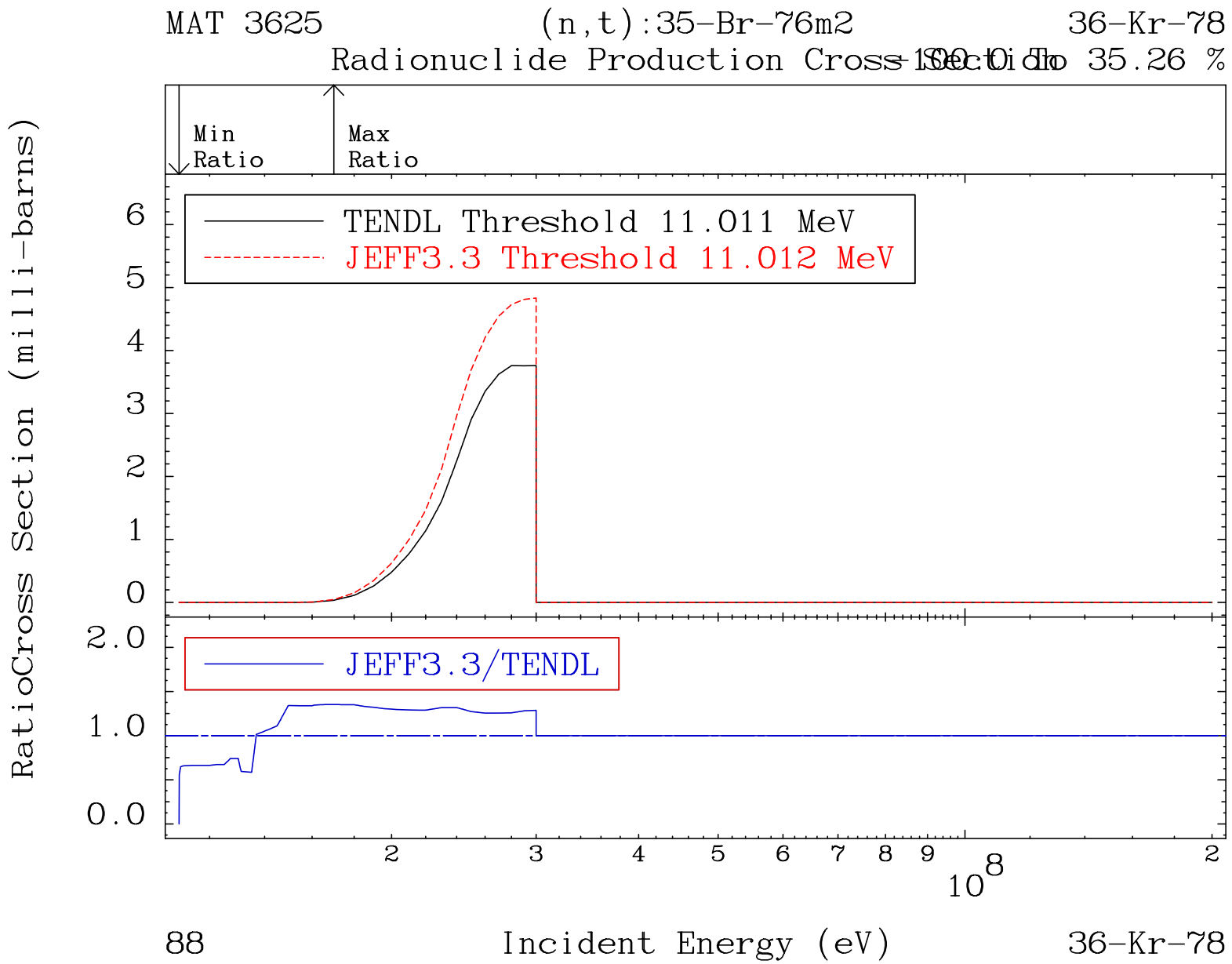

MAT 3625
(n,2n) p:35-Br-76g
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 19.499 MeV
JEFF3.3 Threshold 19.499 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
36-Kr-78

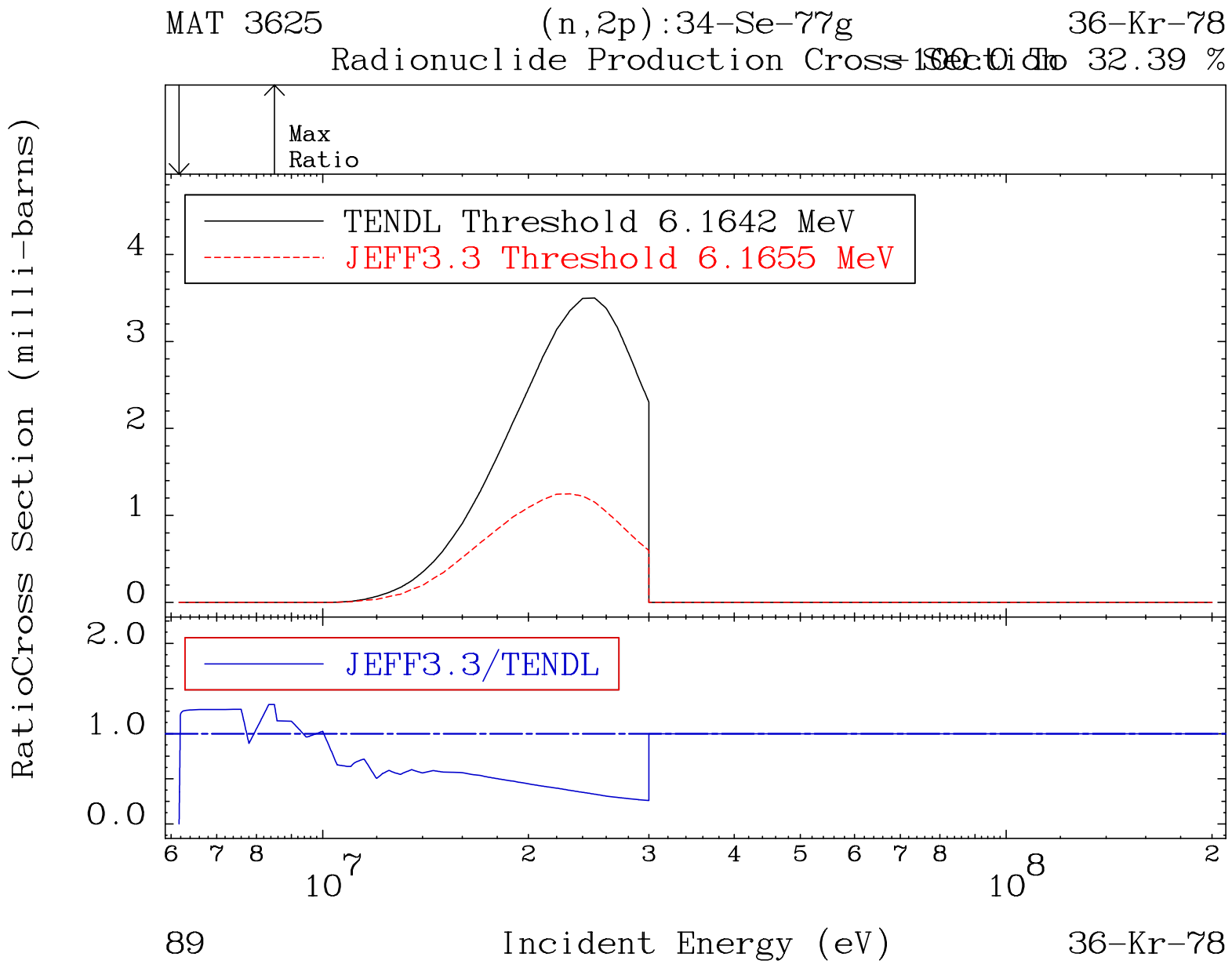

MAT 3625
(n,2n) p:35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 19.603 MeV
JEFF3.3 Threshold 19.603 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
36-Kr-78

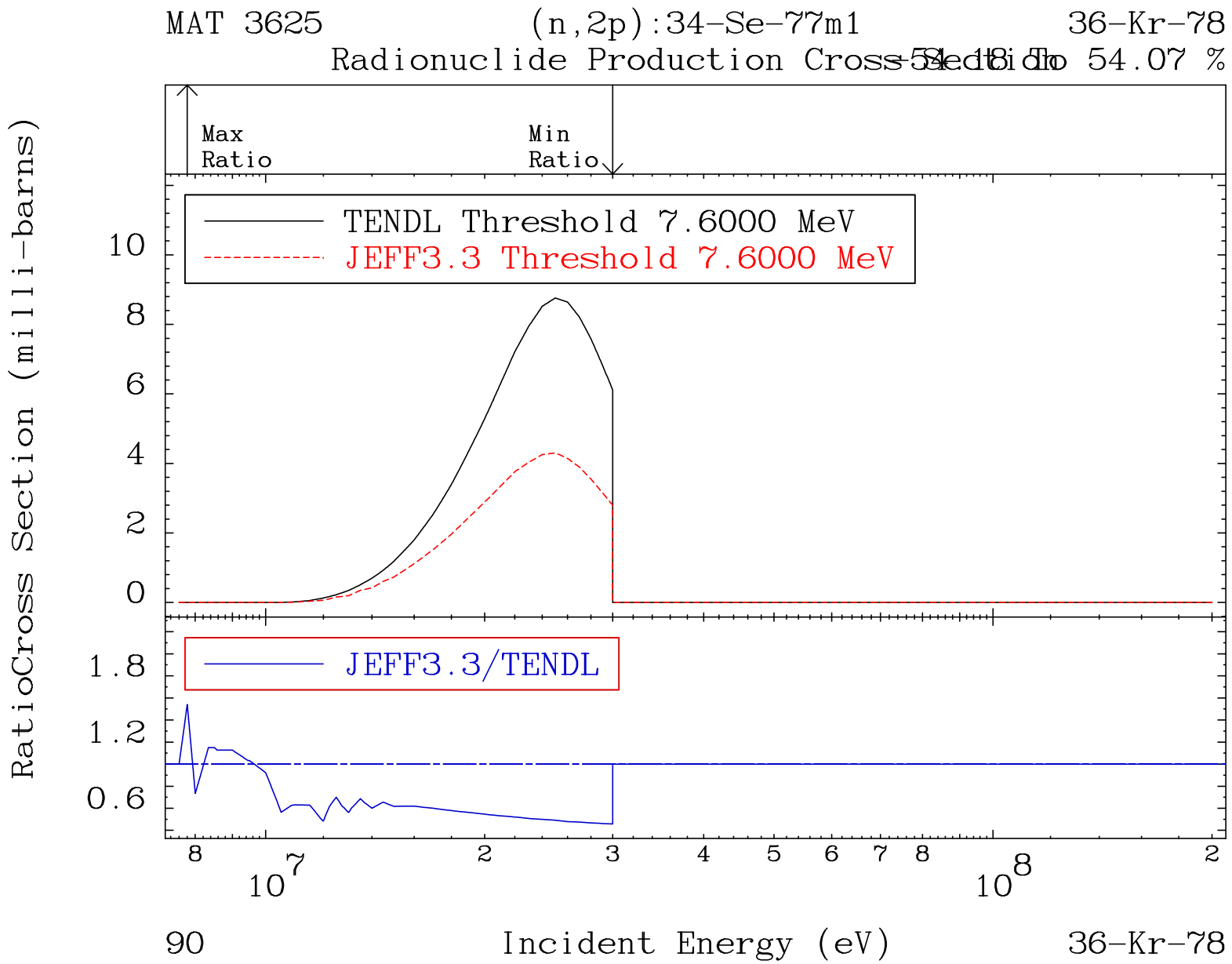

MAT 3625
(n,d):35-Br-77g
36-Kr-78
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
85
36-Kr-78


MAT 3625
(n,d):35-Br-77m1
36-Kr-78
Radionuclide Production Cross Section To 29.67 %
Min Ratio
Max Ratio
TENDL Threshold 6.8000 MeV
JEFF3.3 Threshold 6.8000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.6
1.2
0.8
7 8 10^7 2 3 4 5 6 7 8 10^8 2
86
Incident Energy (eV)
36-Kr-78


MAT 3625
(n,t):35-Br-76g
36-Kr-78
Radionuclide Production Cross Section
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)
87
36-Kr-78


MAT 3625
(n,t):35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section To 35.26 %
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)
88
36-Kr-78


MAT 3625
(n,2p):34-Se-77g
36-Kr-78
Radionuclide Production Cross Section To 32.39 %
Max
Ratio
TENDL Threshold 6.1642 MeV
JEFF3.3 Threshold 6.1655 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
89
36-Kr-78


MAT 3625
(n,2p):34-Se-77m1
36-Kr-78
Radionuclide Production Cross Section From 54.07 %
Max Ratio
Min Ratio
TENDL Threshold 7.6000 MeV
JEFF3.3 Threshold 7.6000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.8
1.2
0.6
8
10^7
2
3
4
5
6
7
8
10^8
2
90
Incident Energy (eV)
36-Kr-78