Program Complot
(Version 2018-1)
by
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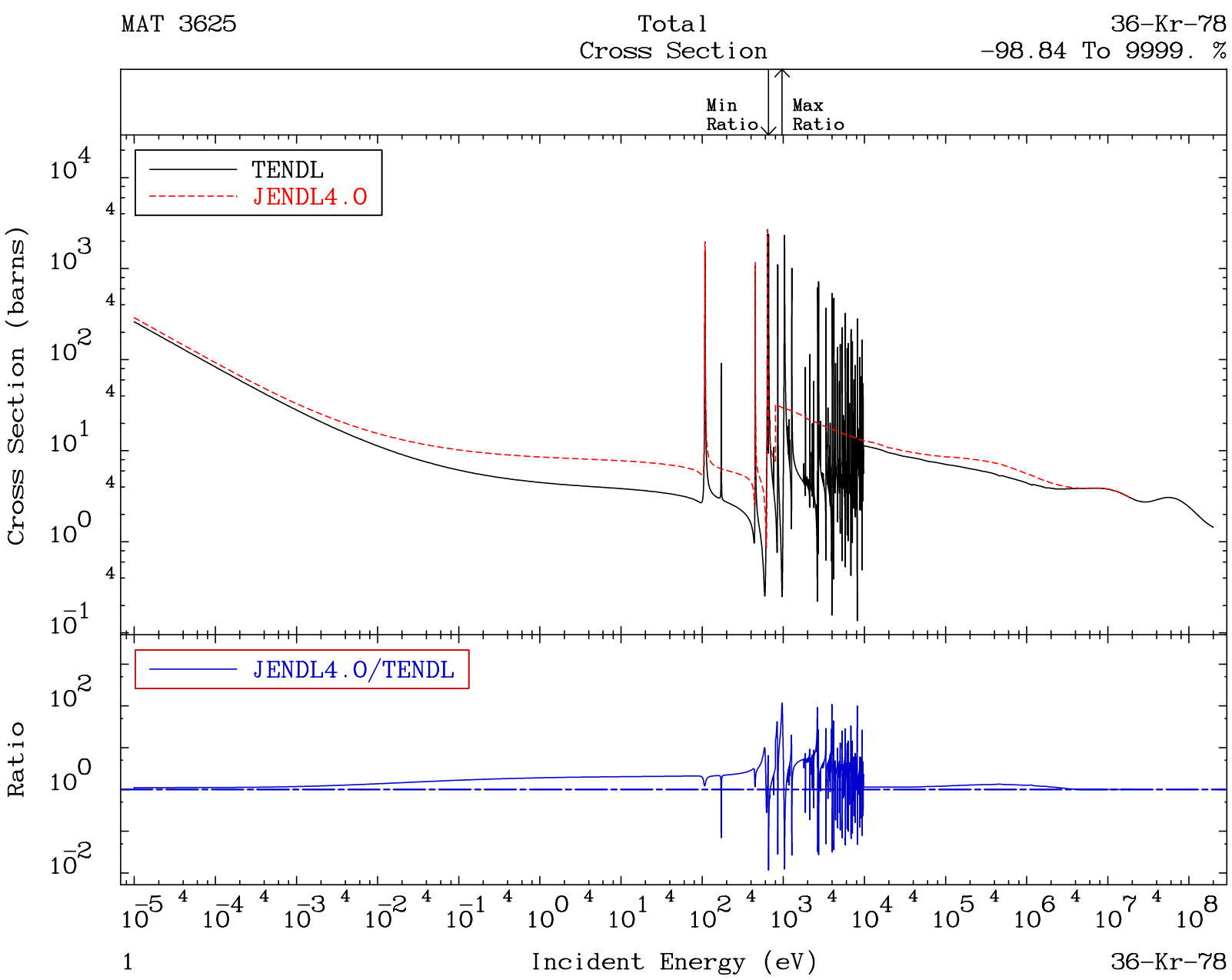
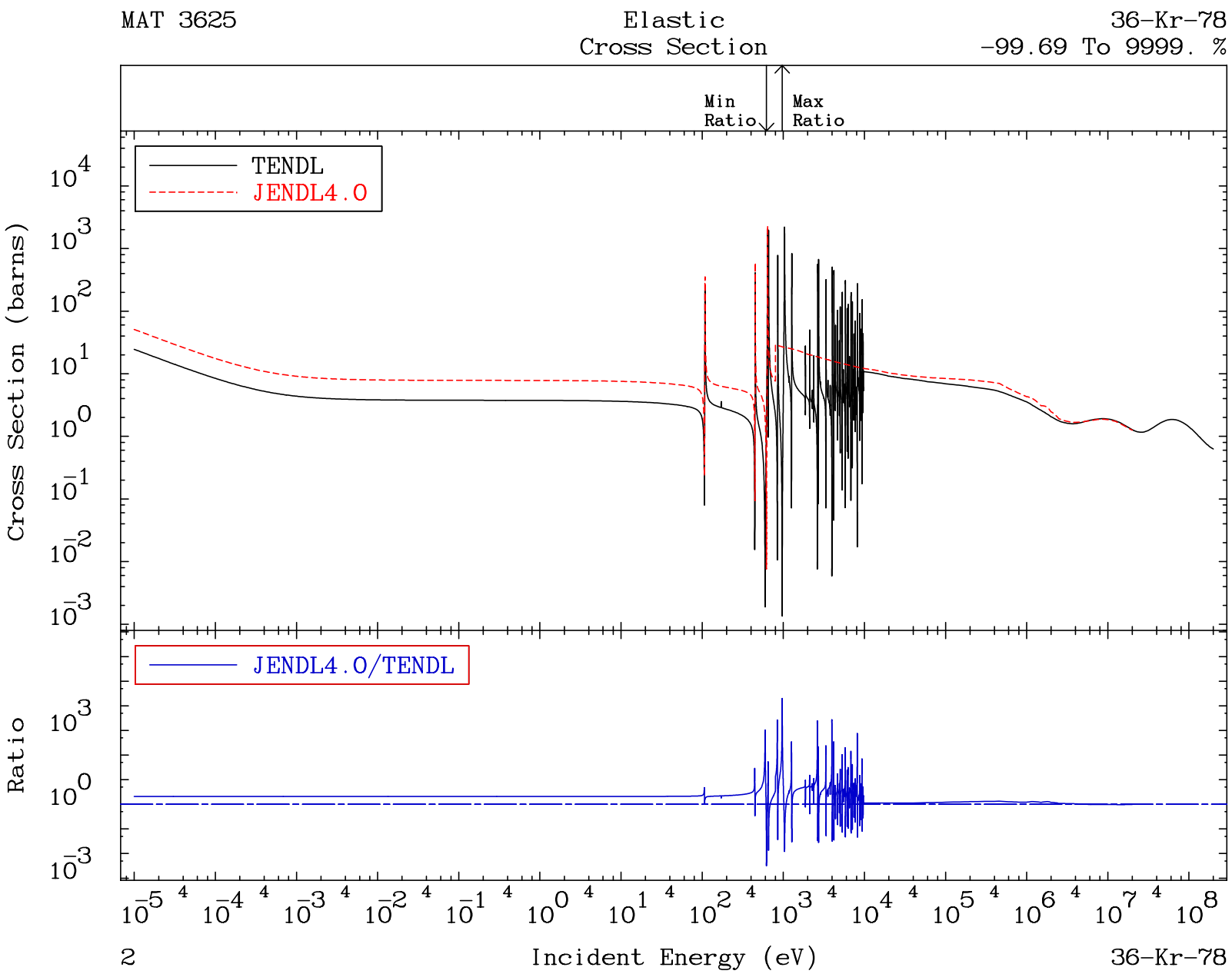
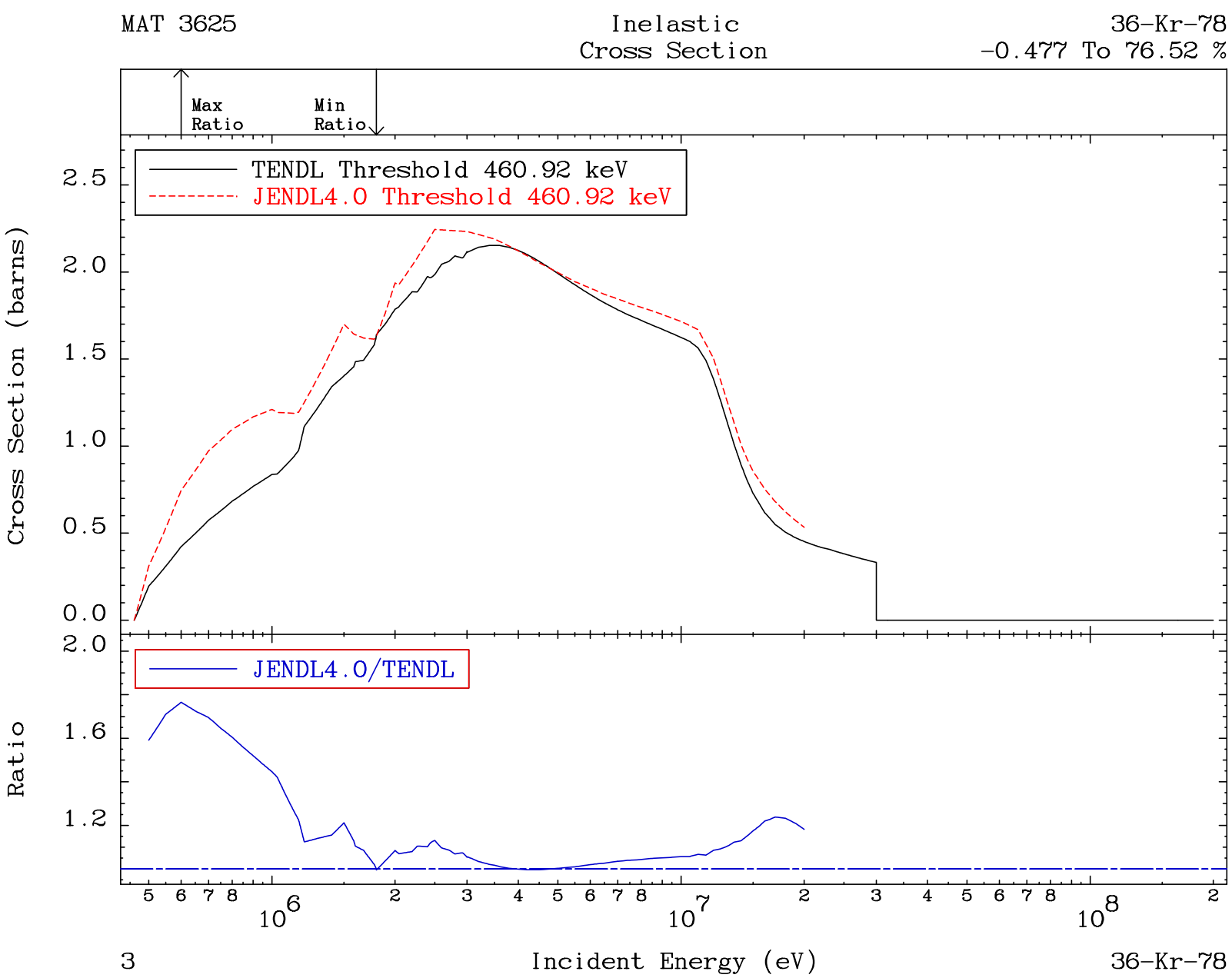
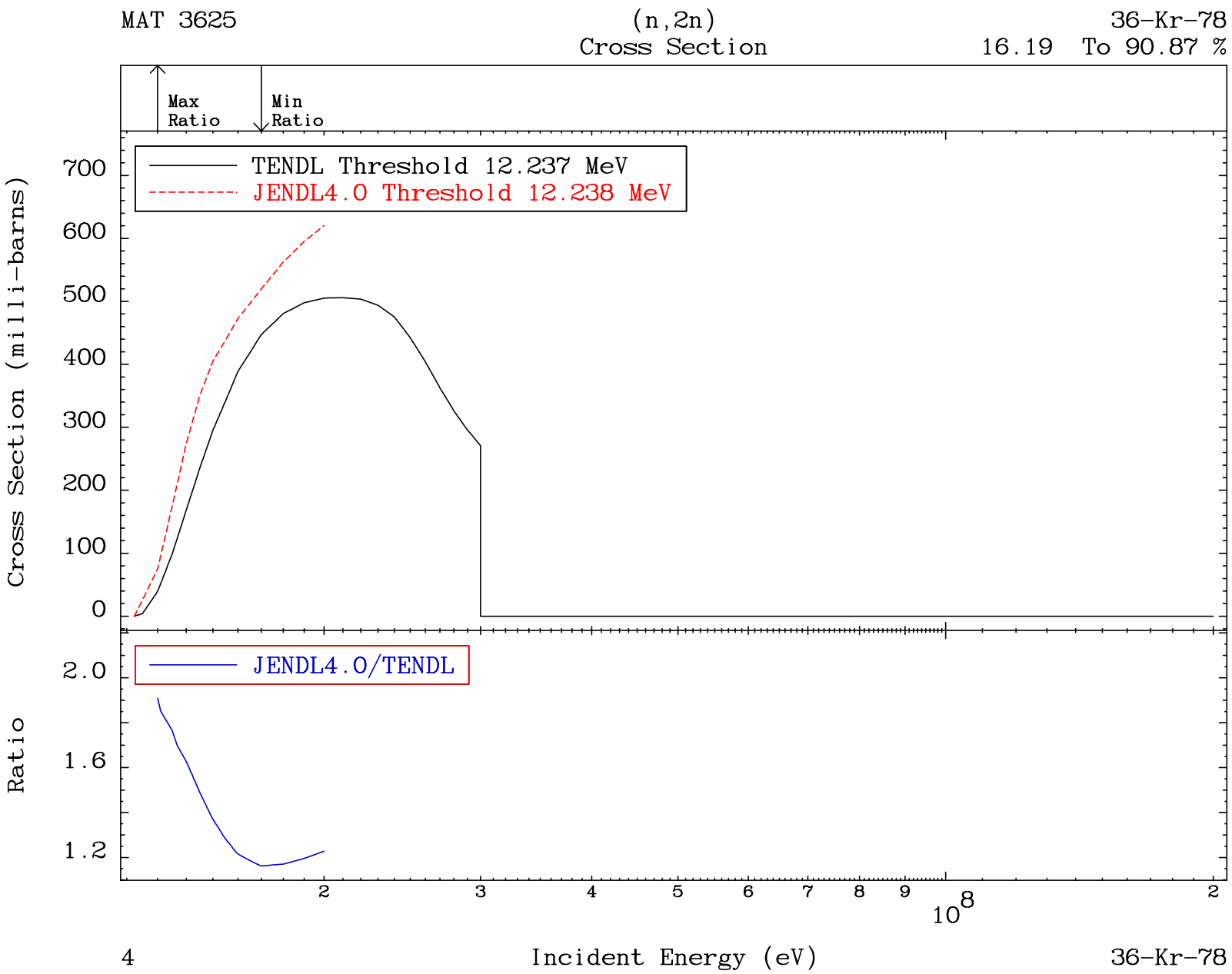
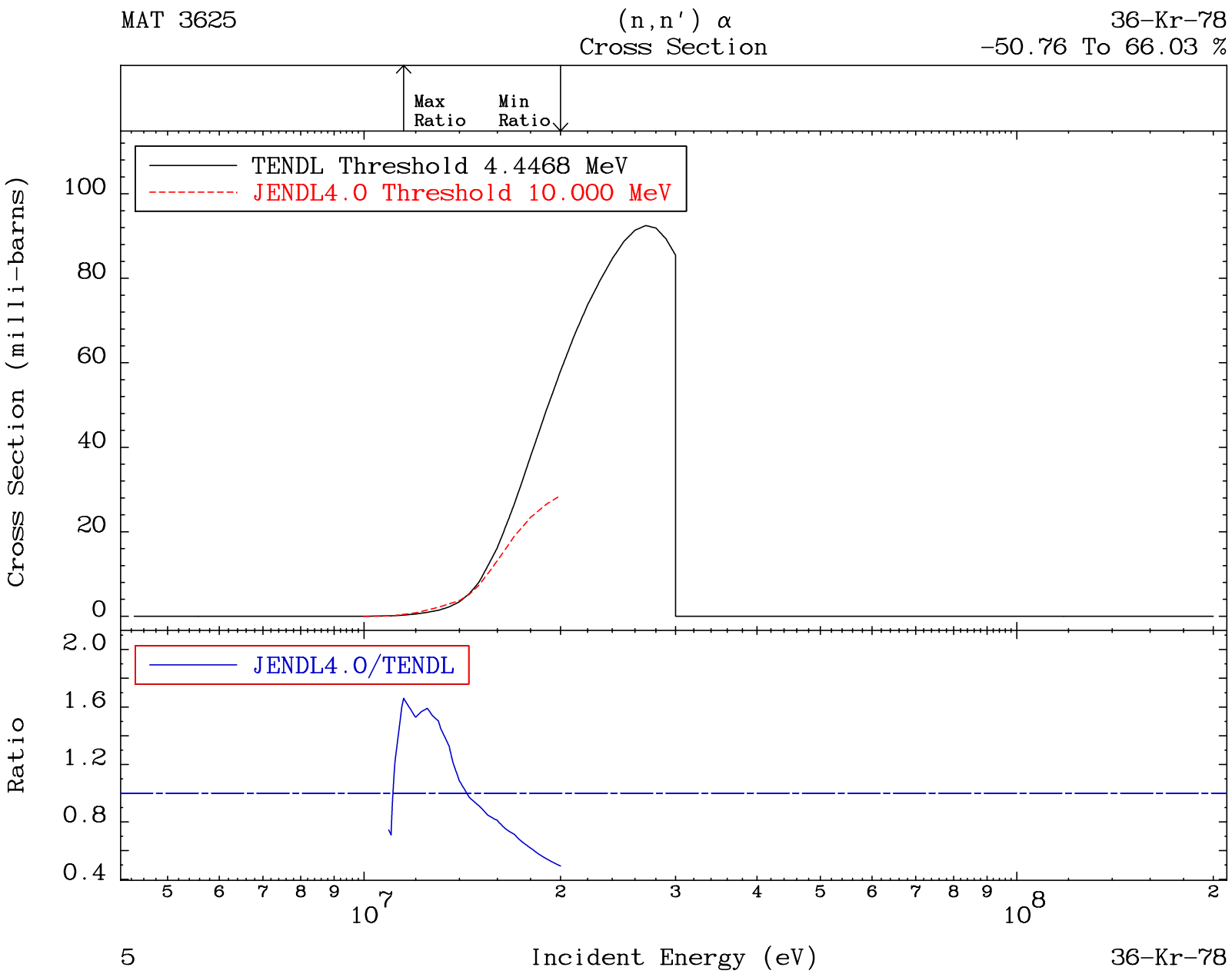
Press Mouse Button to Start

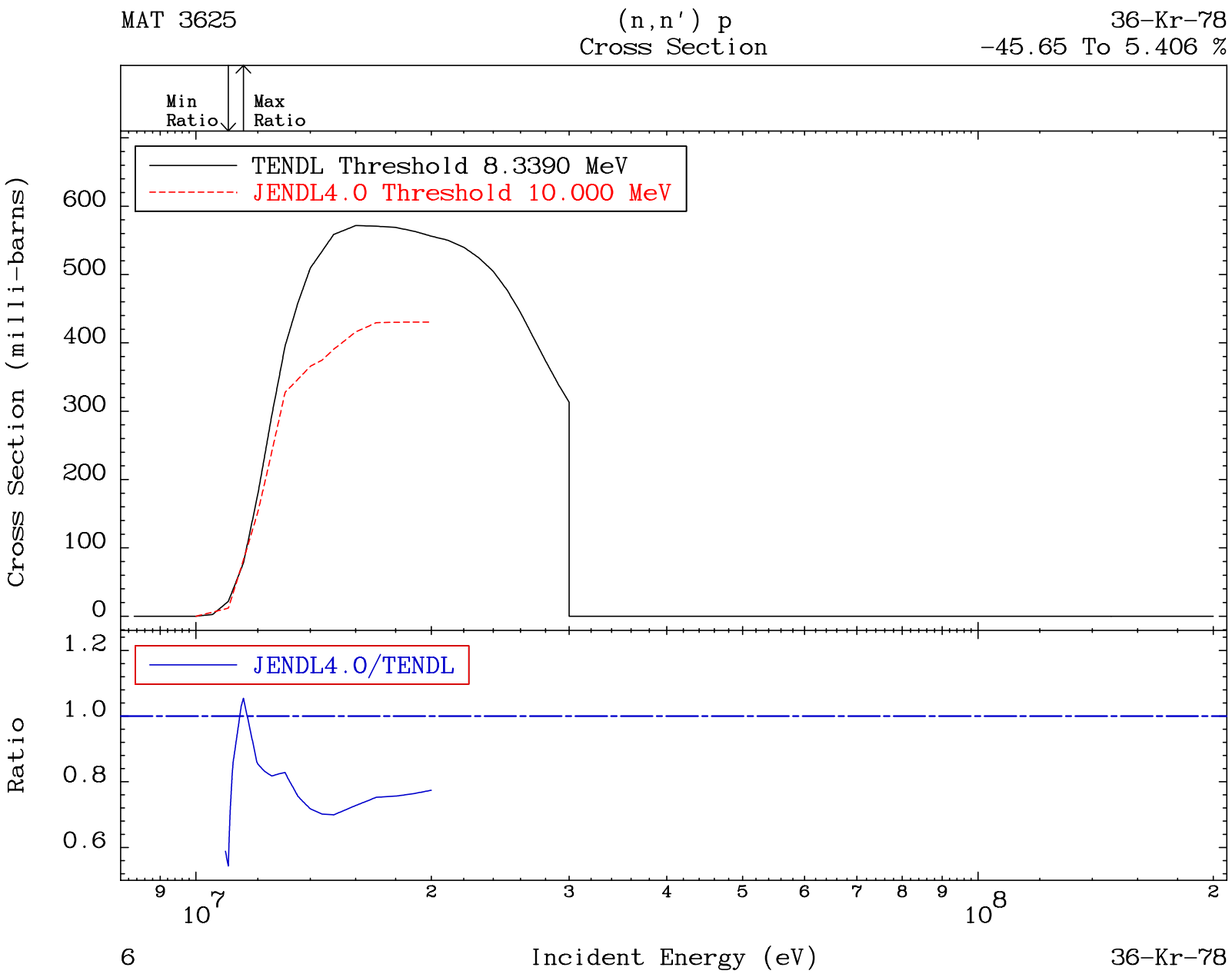

MAT 3625
Total
Cross Section
36-Kr-78
-98.84 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
1
36-Kr-78

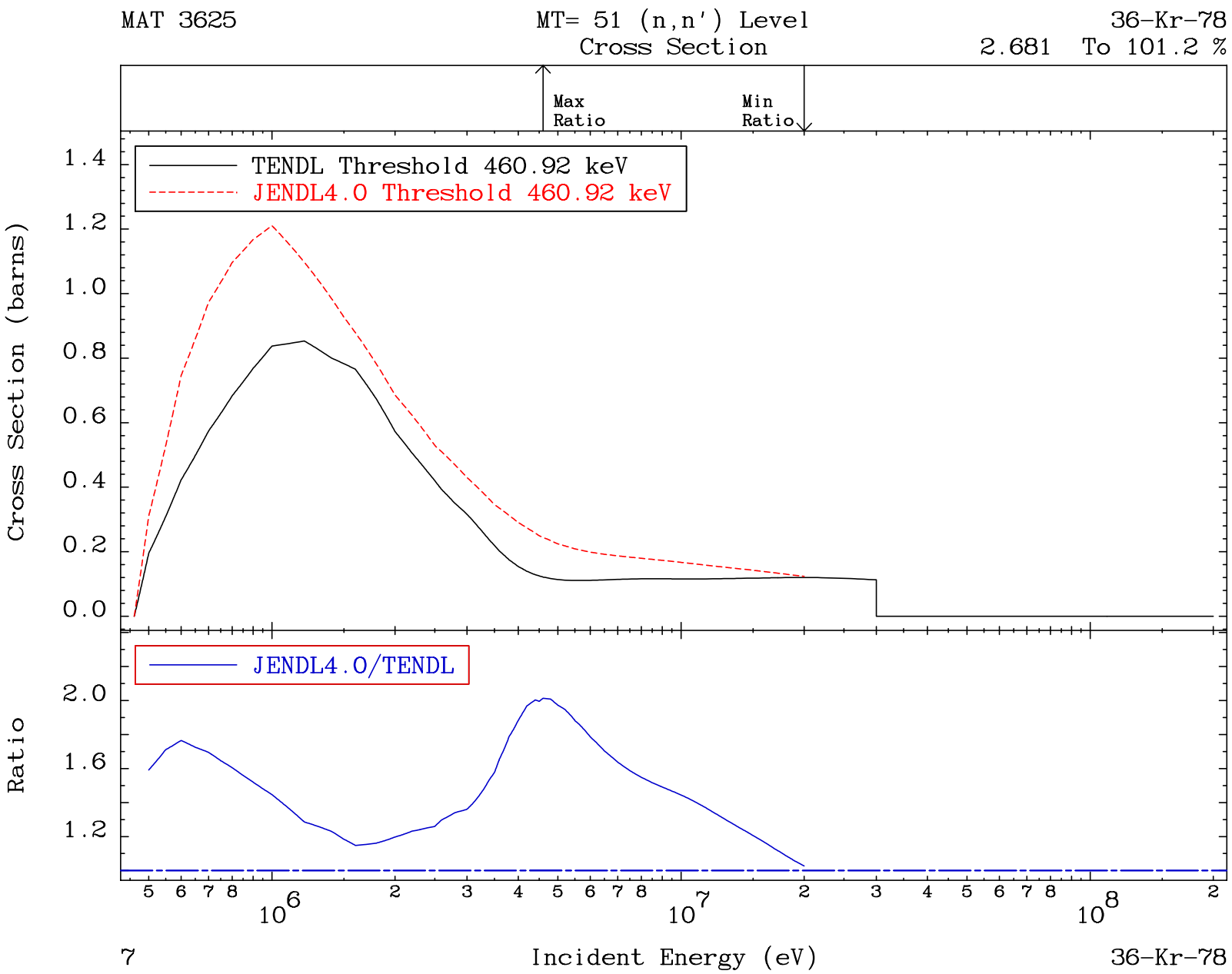

MAT 3625
Elastic
Cross Section
36-Kr-78
-99.69 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
2
36-Kr-78

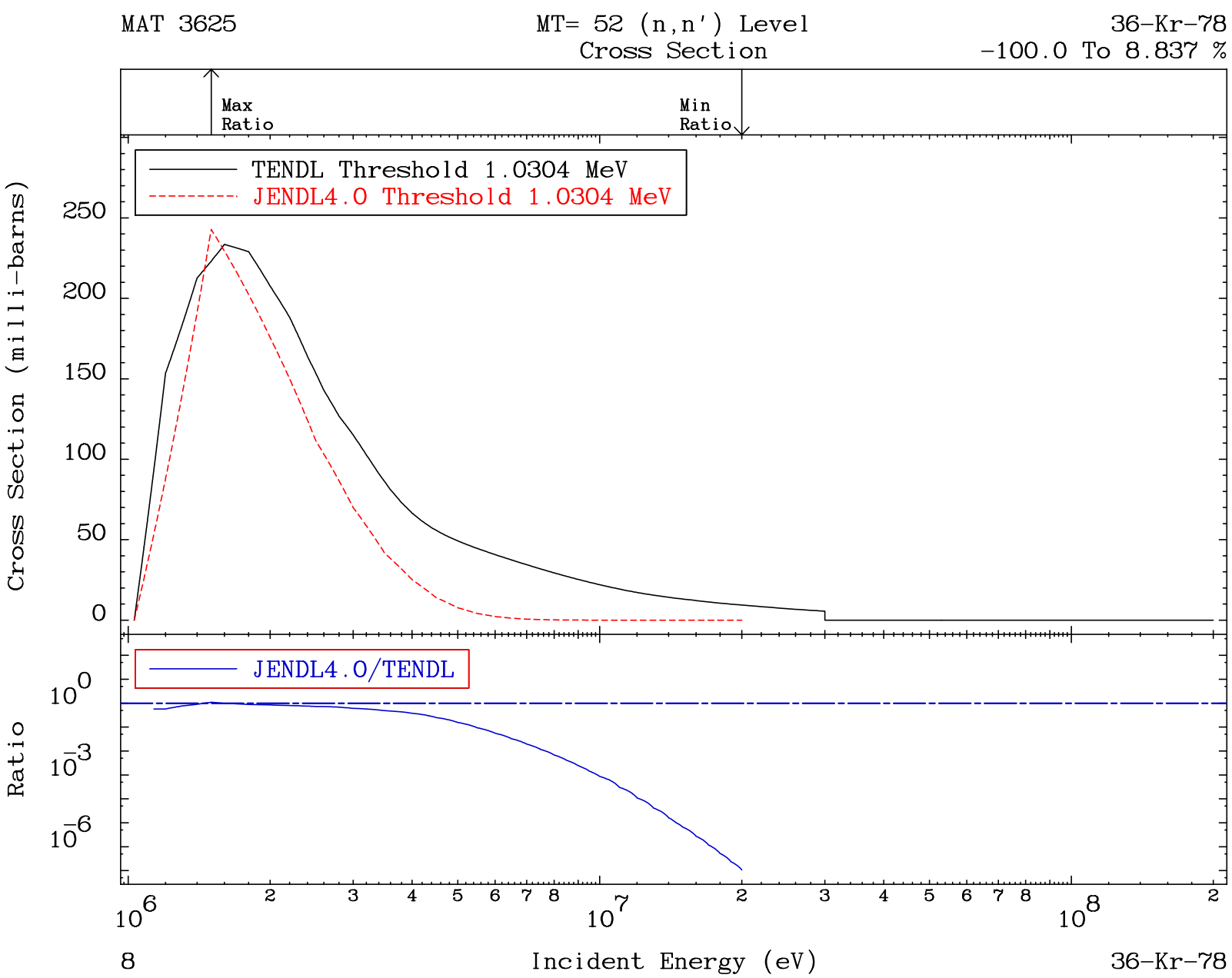

MAT 3625
Inelastic
Cross Section
36-Kr-78
-0.477 To 76.52 %
Max Ratio
Min Ratio
TENDL Threshold 460.92 keV
JENDL4.0 Threshold 460.92 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
36-Kr-78

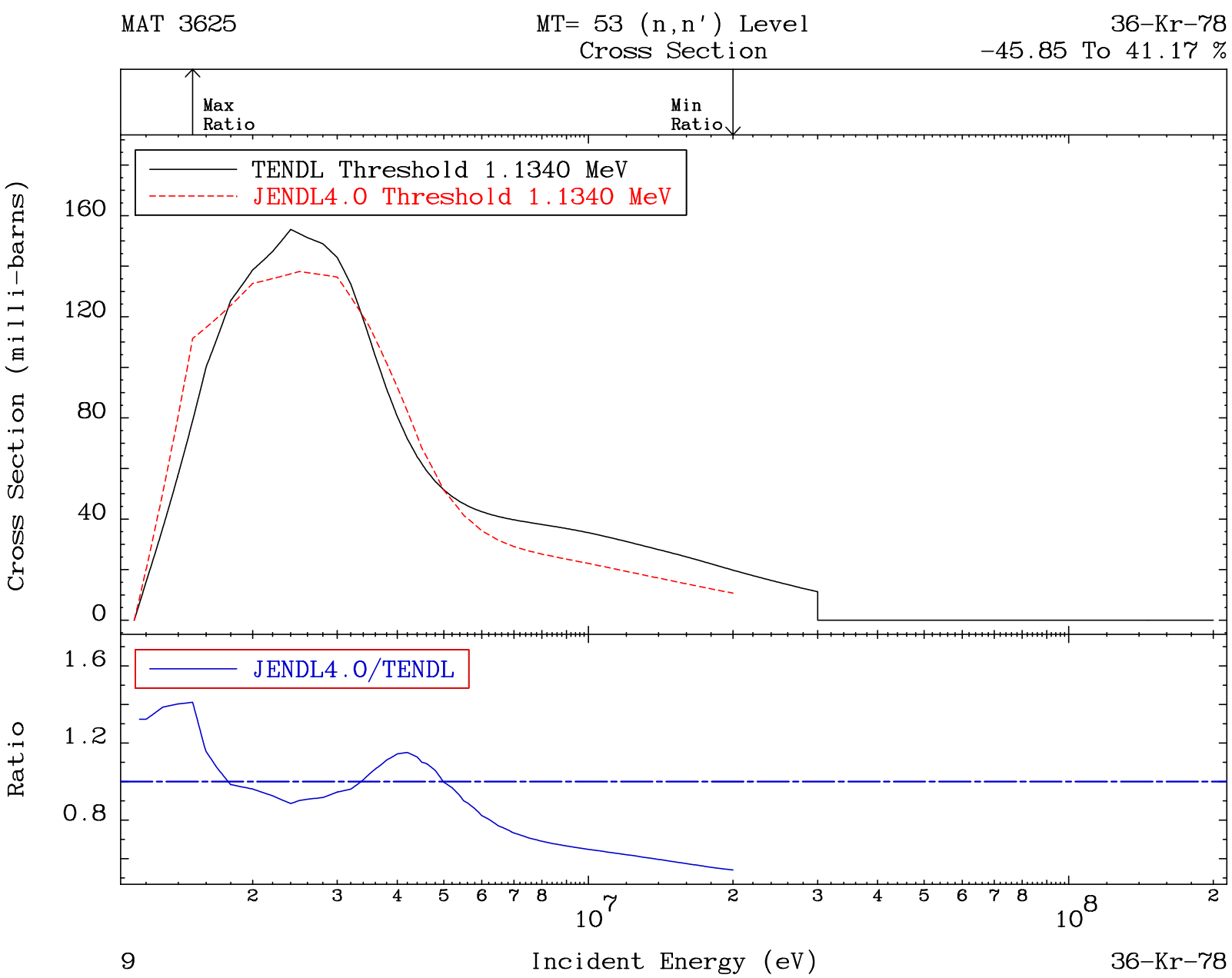

MAT 3625
(n,2n)
Cross Section
36-Kr-78
16.19 To 90.87 %
Max Ratio
Min Ratio
TENDL Threshold 12.237 MeV
JENDL4.0 Threshold 12.238 MeV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
36-Kr-78

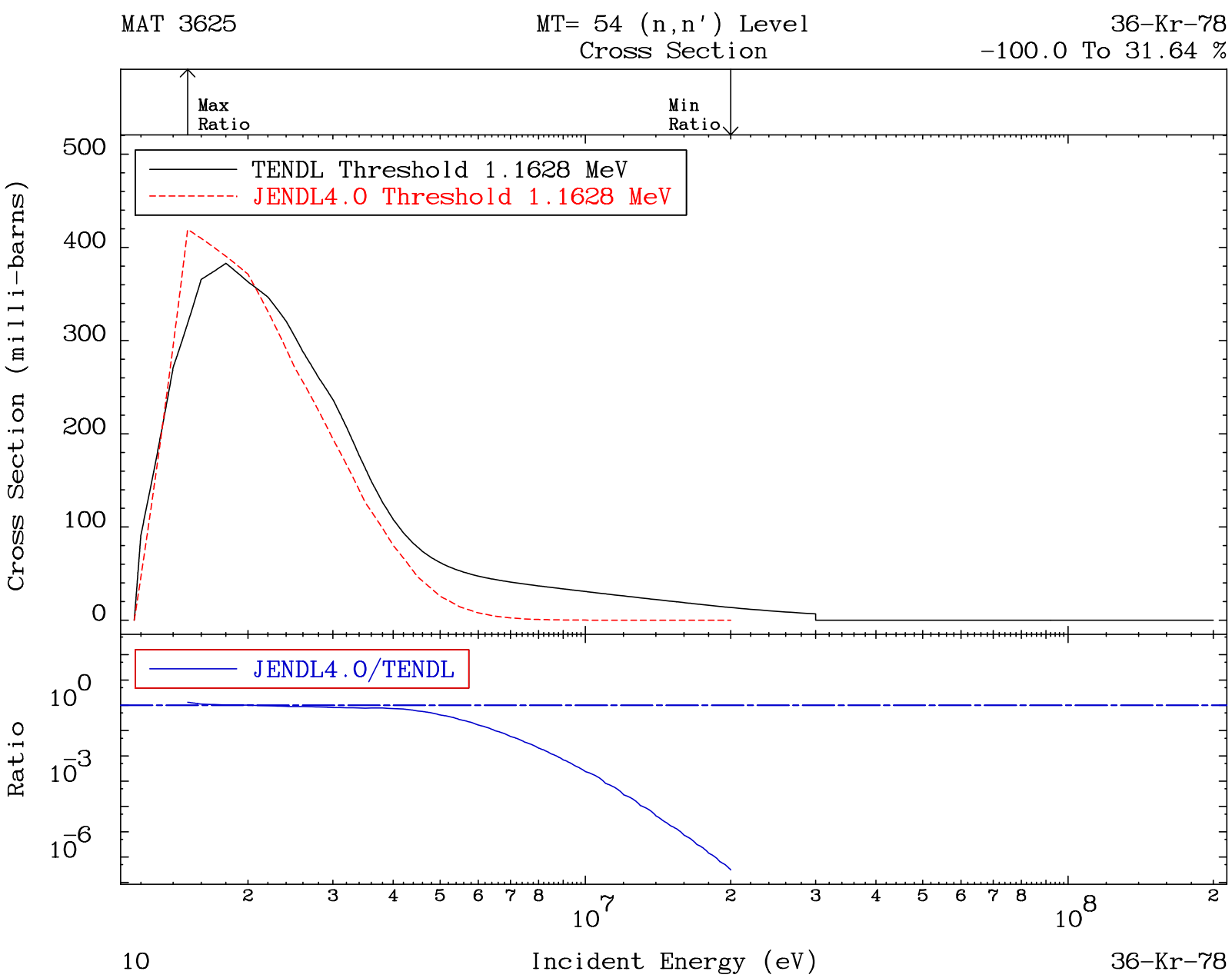

MAT 3625
(n,n') α
Cross Section
36-Kr-78
-50.76 To 66.03 %
Max Ratio
Min Ratio
TENDL Threshold 4.4468 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
0.8
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
5
Incident Energy (eV)
36-Kr-78

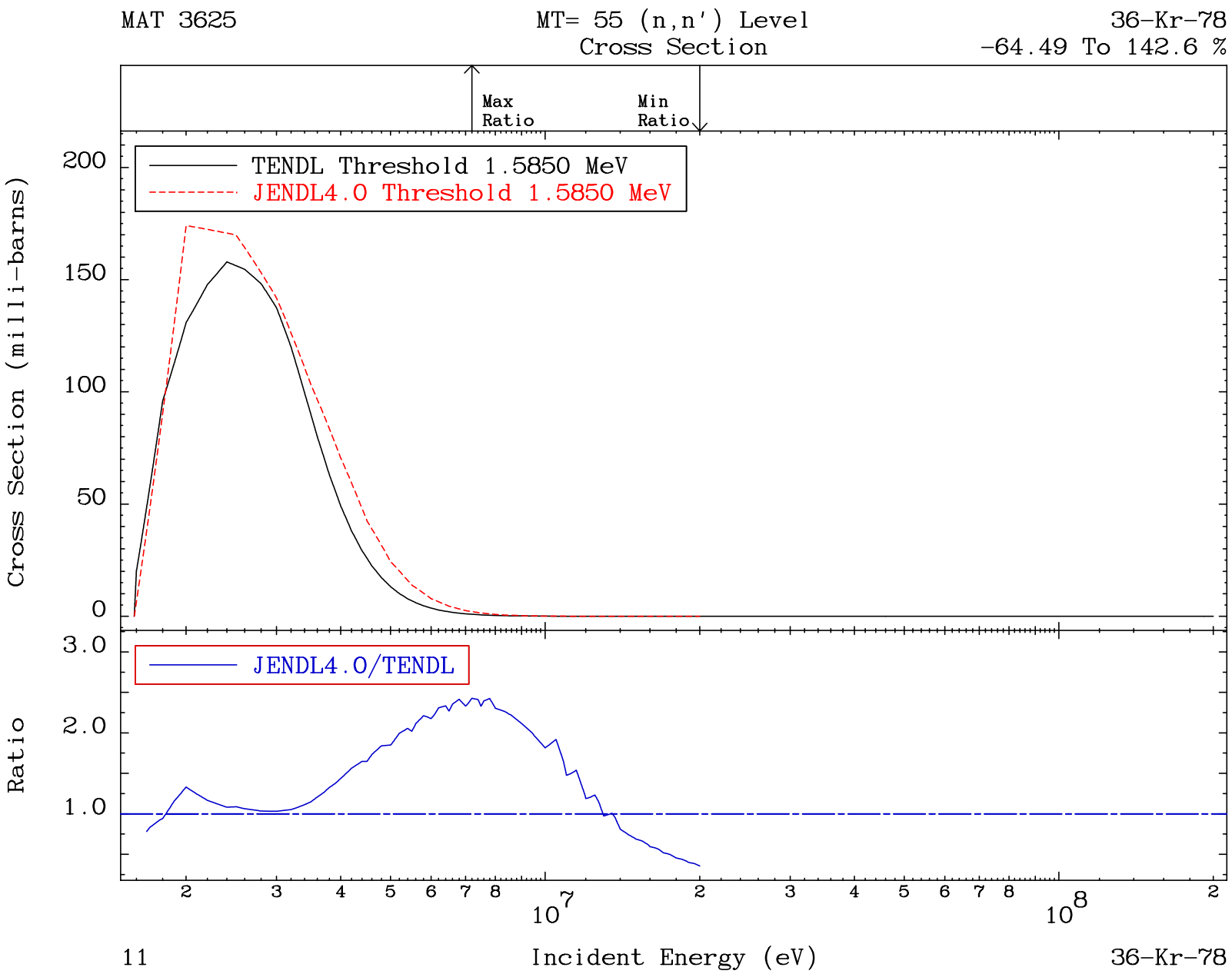

MAT 3625
(n,n') p
Cross Section
36-Kr-78
-45.65 To 5.406 %
Min Ratio
Max Ratio
TENDL Threshold 8.3390 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
1.2
1.0
0.8
0.6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
36-Kr-78

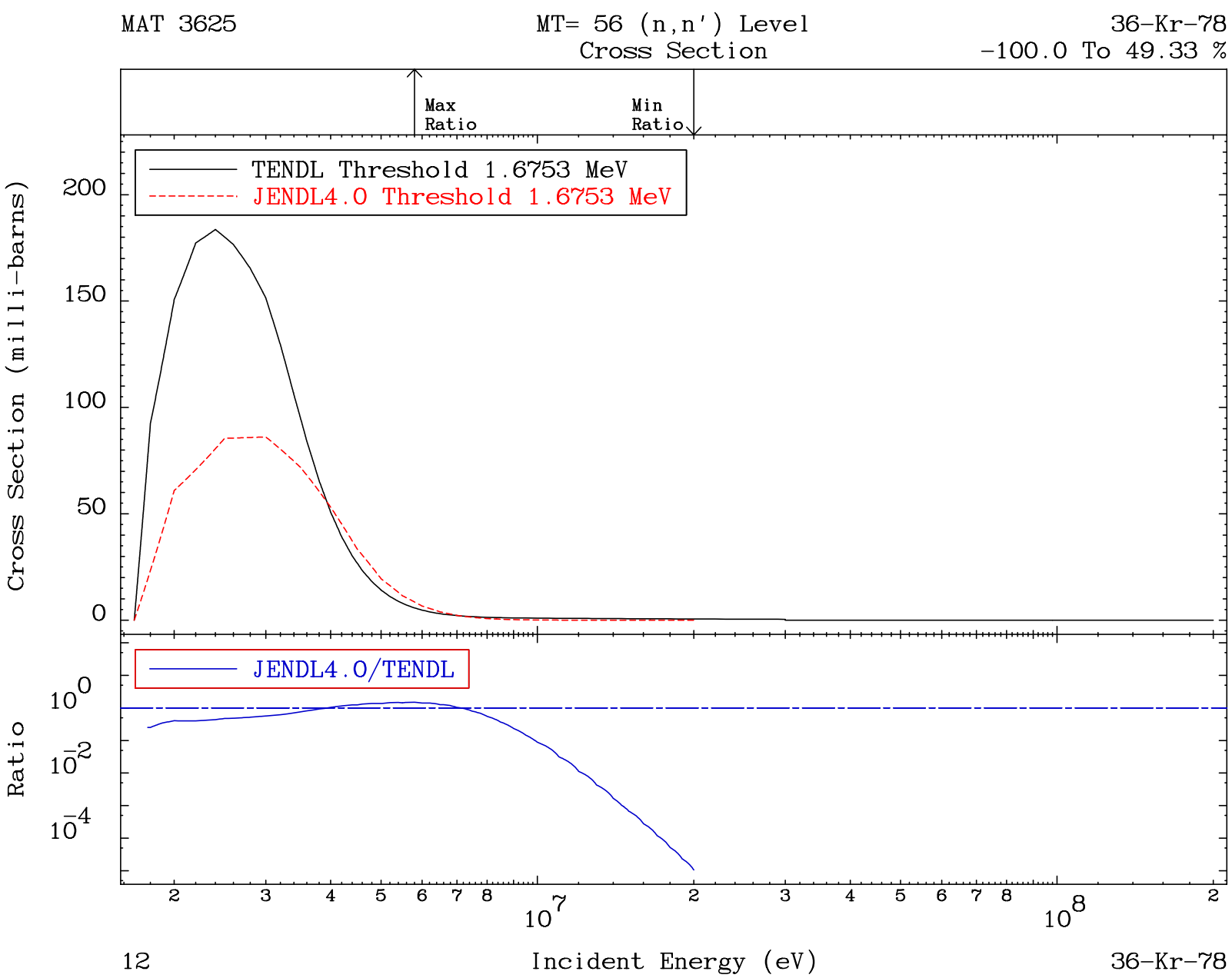

MAT 3625
MT= 51 (n,n') Level
Cross Section
36-Kr-78
2.681 To 101.2 %
Max
Ratio
Min
Ratio
TENDL Threshold 460.92 keV
JENDL4.0 Threshold 460.92 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL4.0/TENDL
Ratio
2.0
1.6
1.2
5 6 7 8
10^6
2
3
4
5 6 7 8
10^7
2
3
4
5 6 7 8
10^8
2
7
Incident Energy (eV)
36-Kr-78

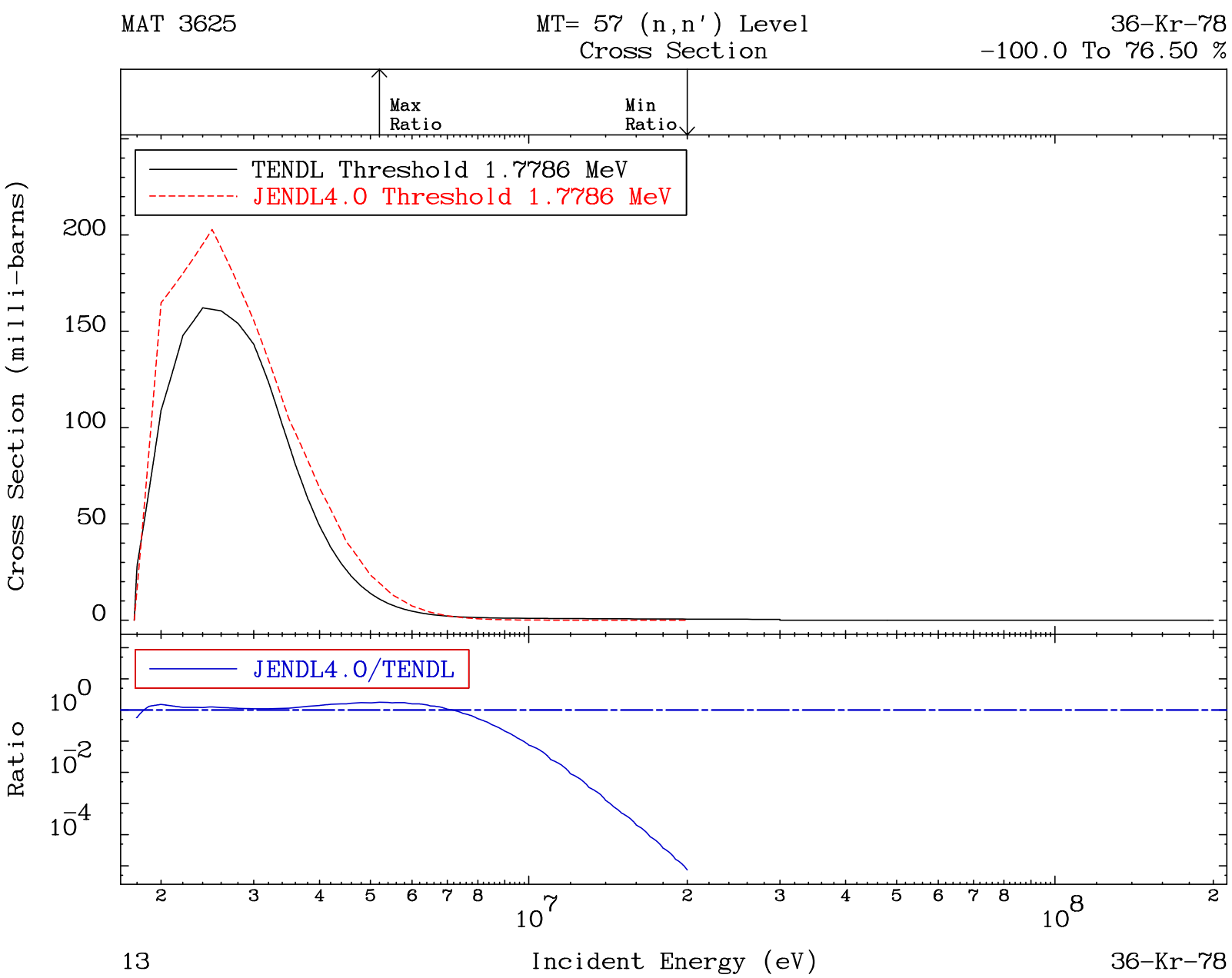

MAT 3625
MT= 52 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 8.837 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0304 MeV
JENDL4.0 Threshold 1.0304 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
8
Incident Energy (eV)
36-Kr-78

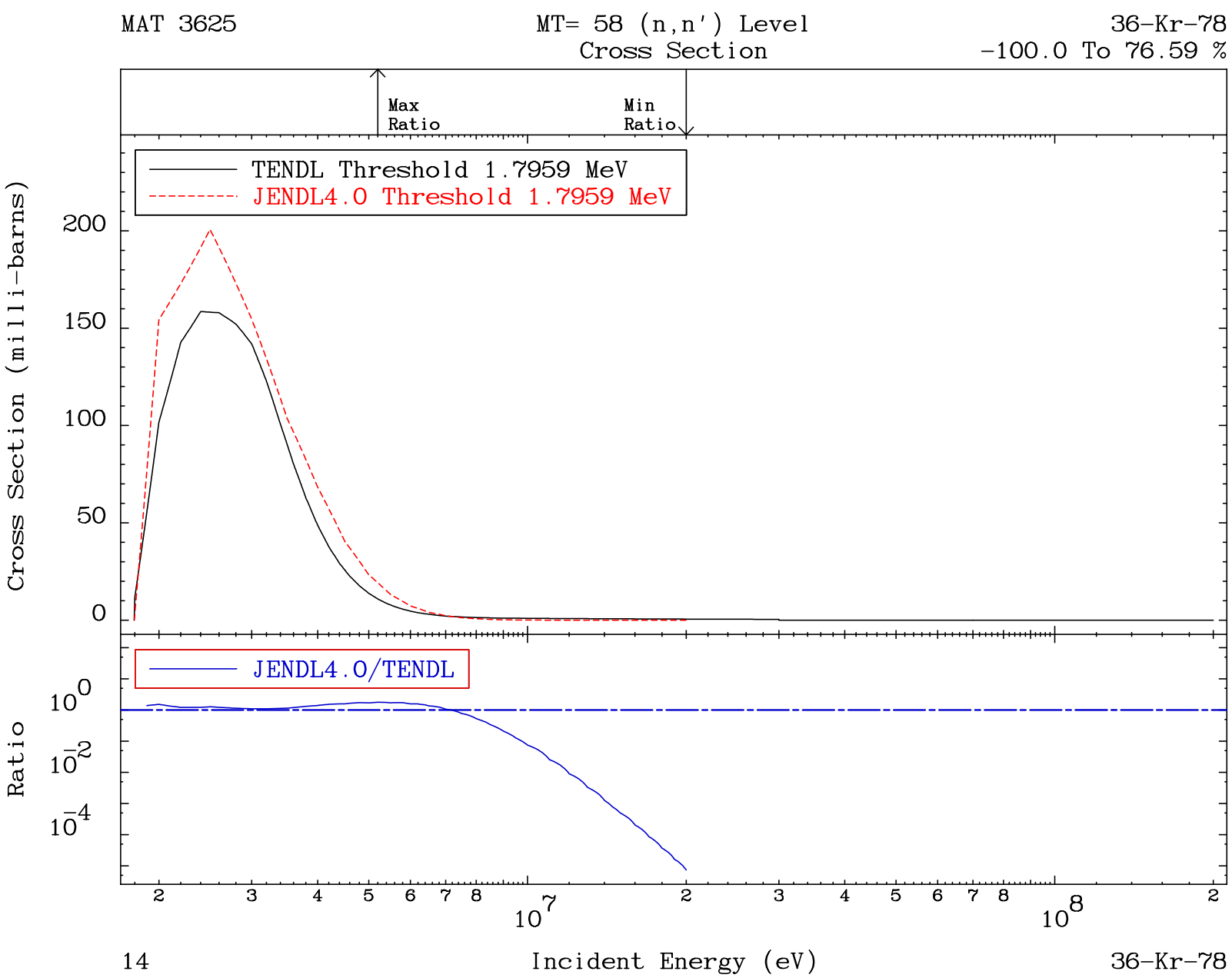

MAT 3625
MT= 53 (n,n') Level
Cross Section
36-Kr-78
-45.85 To 41.17 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1340 MeV
JENDL4.0 Threshold 1.1340 MeV
Cross Section (milli-barns)
160
120
80
40
0
JENDL4.0/TENDL
Ratio
1.6
1.2
0.8
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
9
Incident Energy (eV)
36-Kr-78

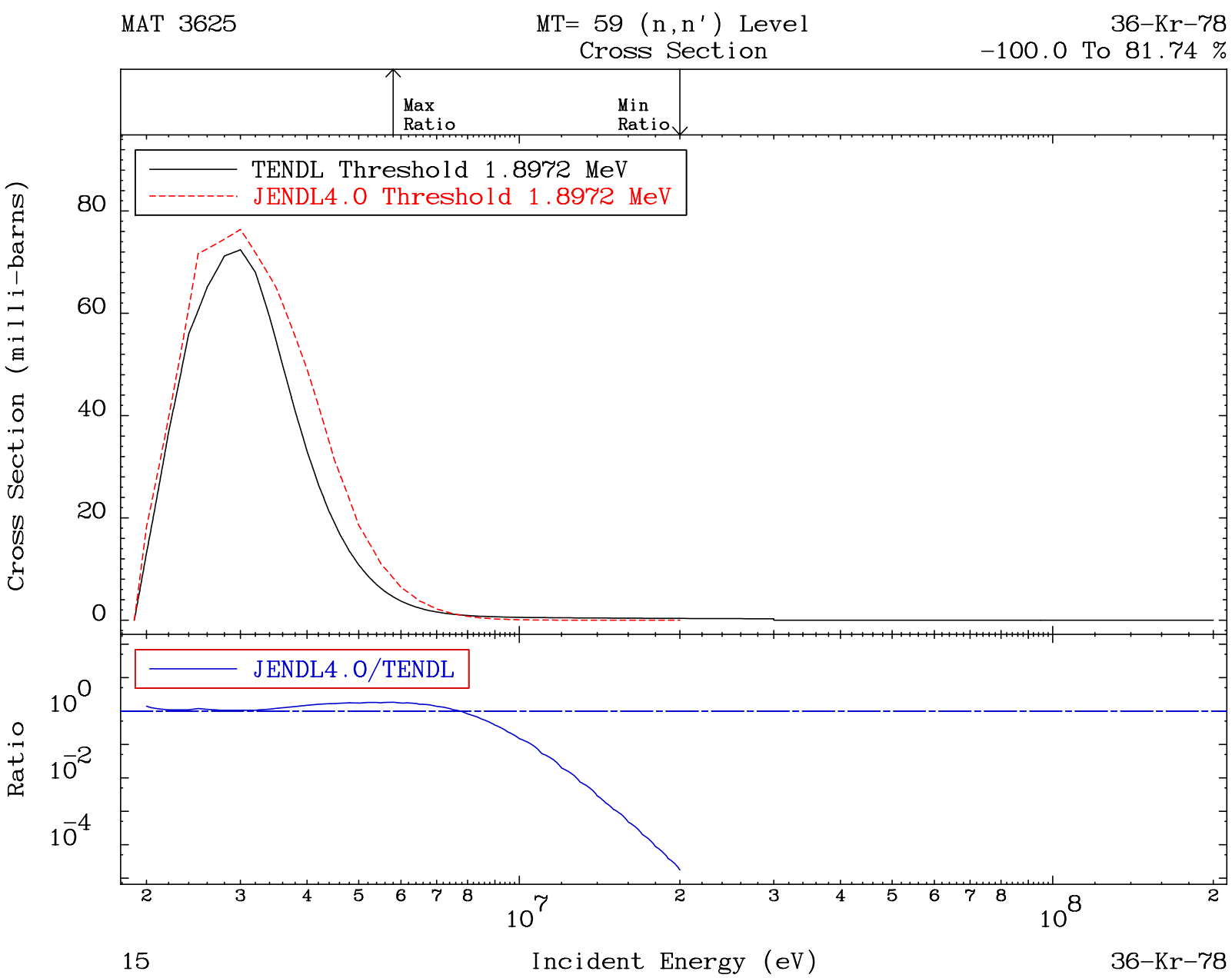

MAT 3625
MT= 54 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 31.64 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.1628 MeV
JENDL4.0 Threshold 1.1628 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^0
10^-3
10^-6
2
3
4
5
6
7
8
10^7
10^8
10
Incident Energy (eV)
36-Kr-78

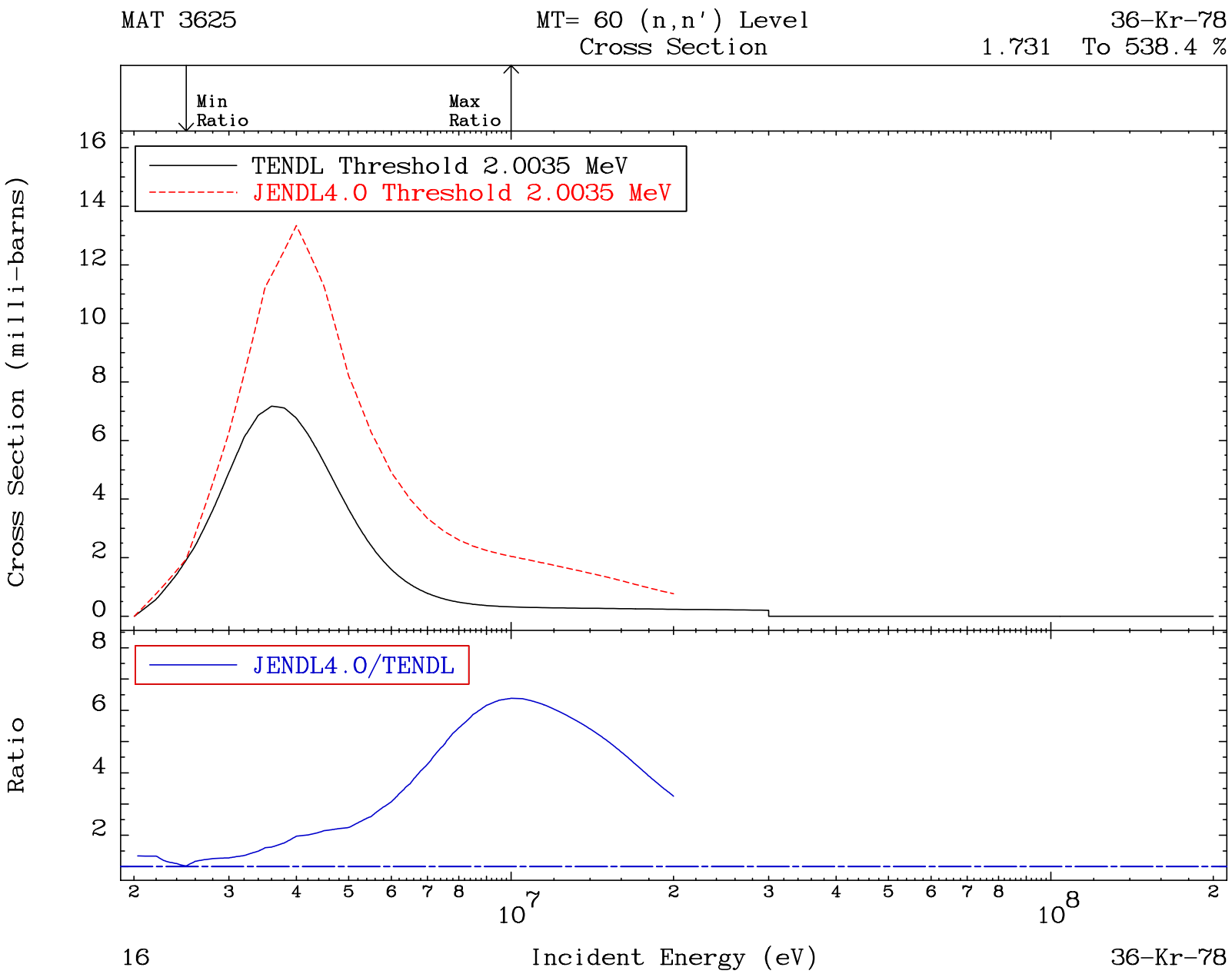

MAT 3625
MT= 55 (n,n') Level
Cross Section
36-Kr-78
-64.49 To 142.6 %
Max Ratio
Min Ratio
TENDL Threshold 1.5850 MeV
JENDL4.0 Threshold 1.5850 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
3.0
2.0
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
11
Incident Energy (eV)
36-Kr-78

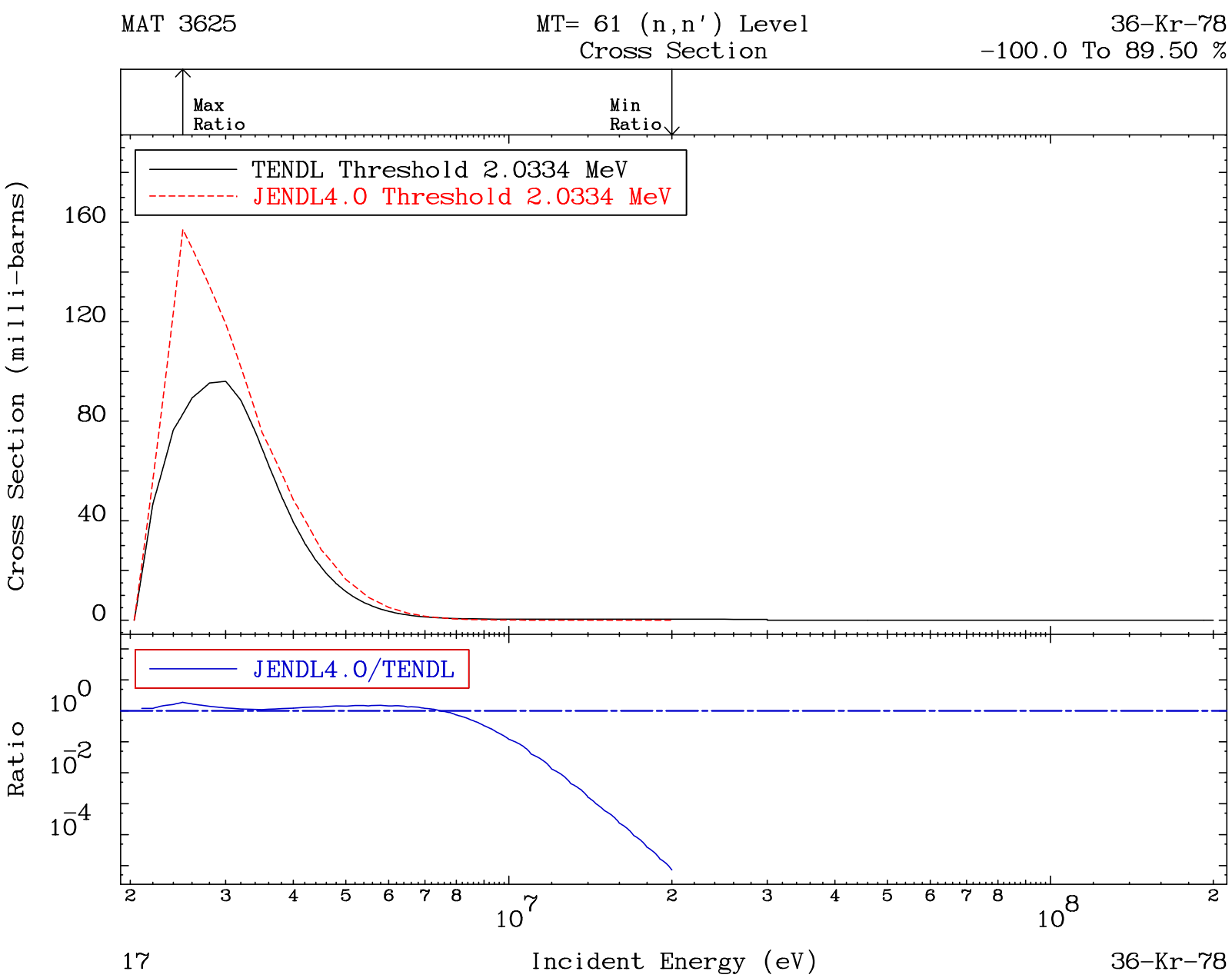

MAT 3625
MT= 56 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 49.33 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.6753 MeV
JENDL4.0 Threshold 1.6753 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
12
Incident Energy (eV)
36-Kr-78

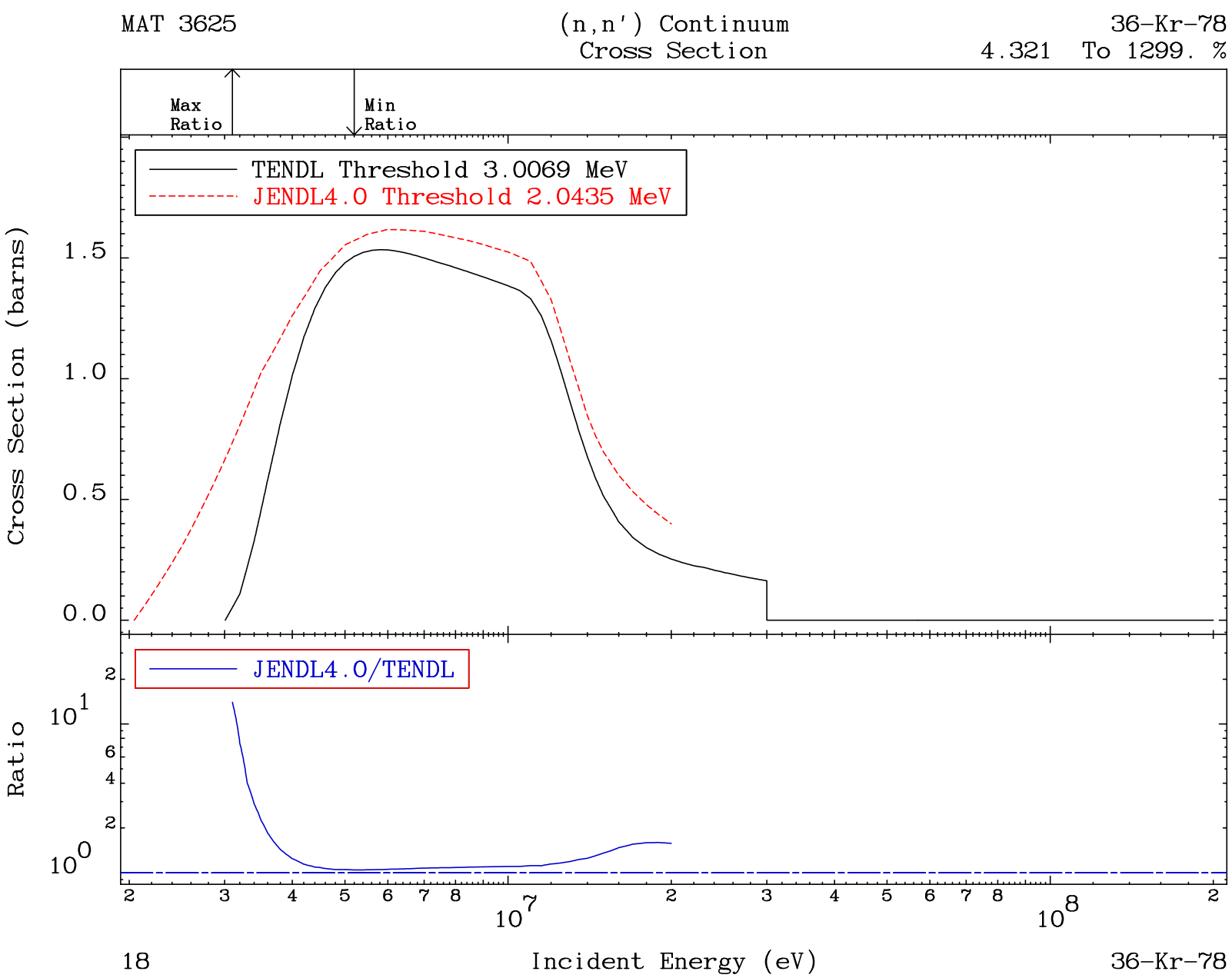

MAT 3625
MT= 57 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 76.50 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.7786 MeV
JENDL4.0 Threshold 1.7786 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
36-Kr-78

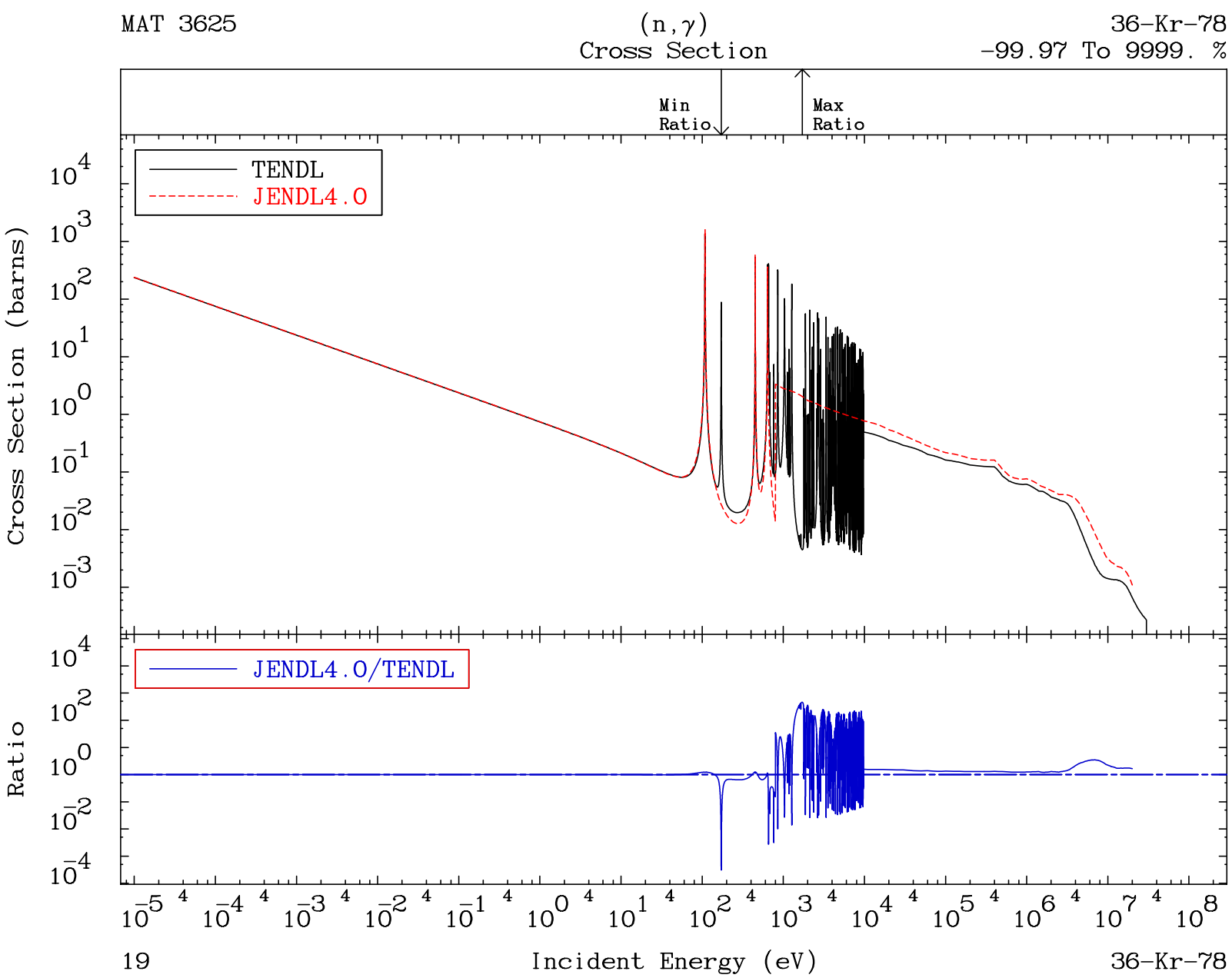

MAT 3625
MT= 58 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 76.59 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.7959 MeV
JENDL4.0 Threshold 1.7959 MeV
Cross Section (milli-barns)
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
36-Kr-78

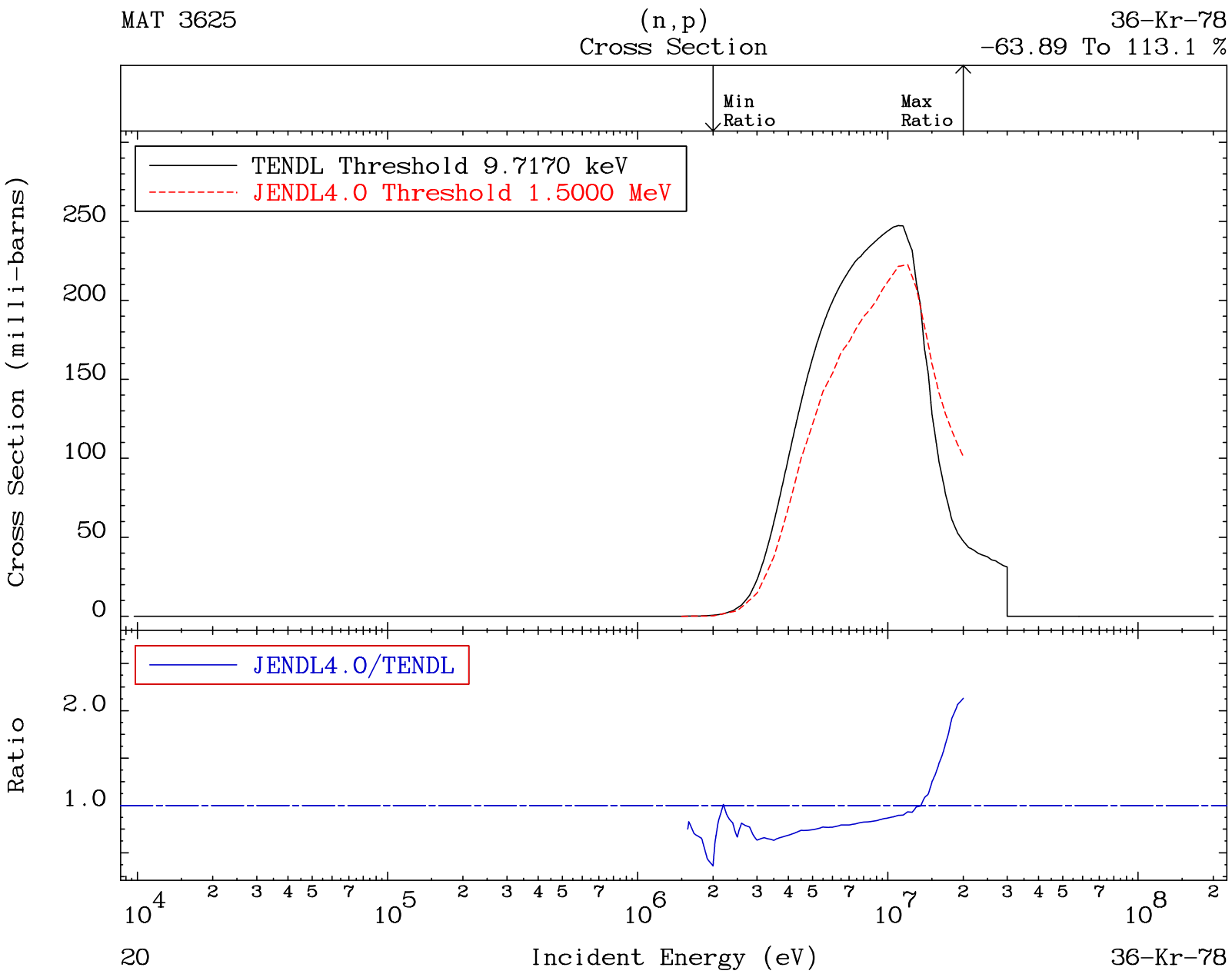

MAT 3625
MT= 59 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 81.74 %
Max Ratio
Min Ratio
TENDL Threshold 1.8972 MeV
JENDL4.0 Threshold 1.8972 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
36-Kr-78

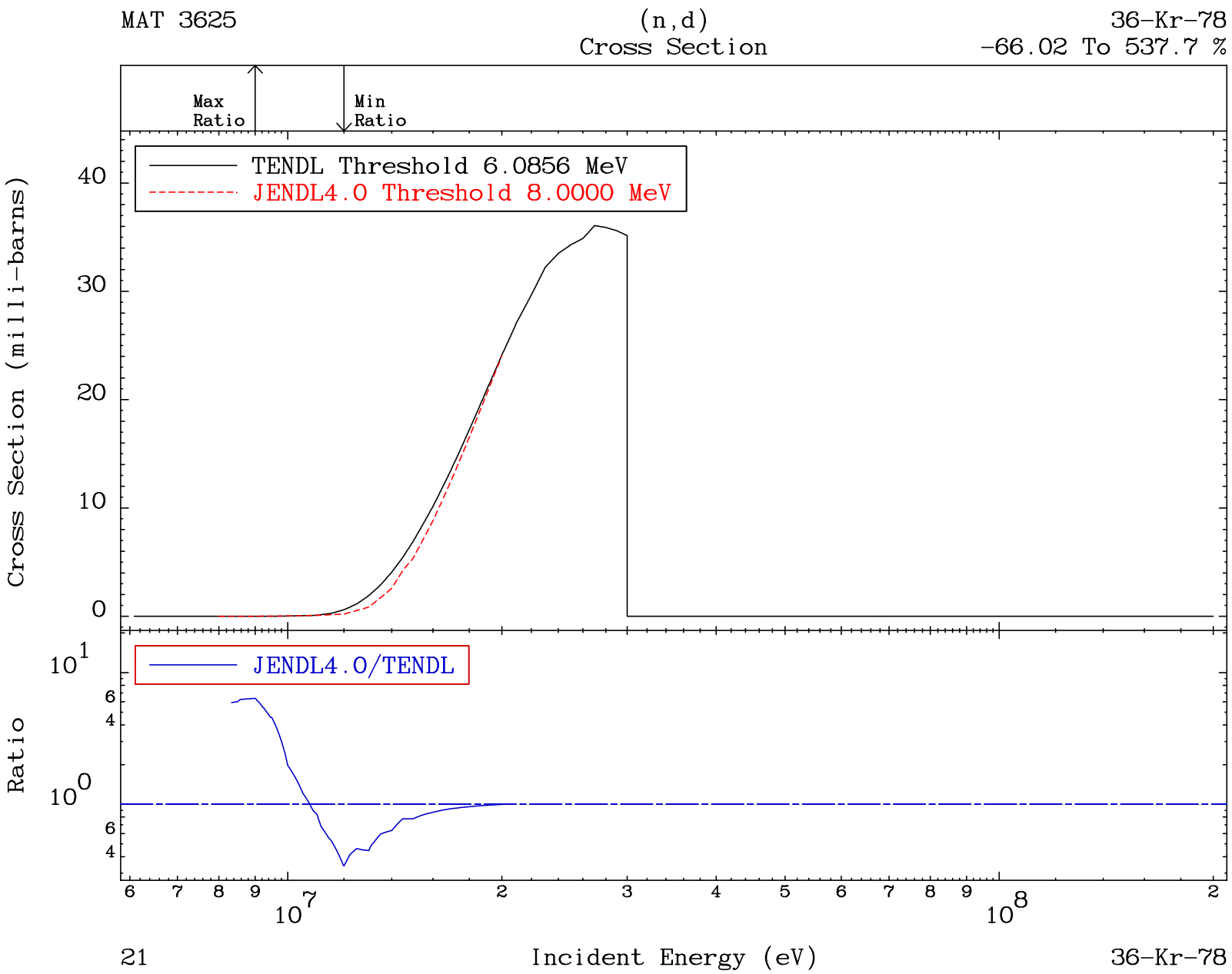

MAT 3625
MT= 60 (n,n') Level
Cross Section
36-Kr-78
1.731 To 538.4 %
Min Ratio
Max Ratio
TENDL Threshold 2.0035 MeV
JENDL4.0 Threshold 2.0035 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
16
36-Kr-78

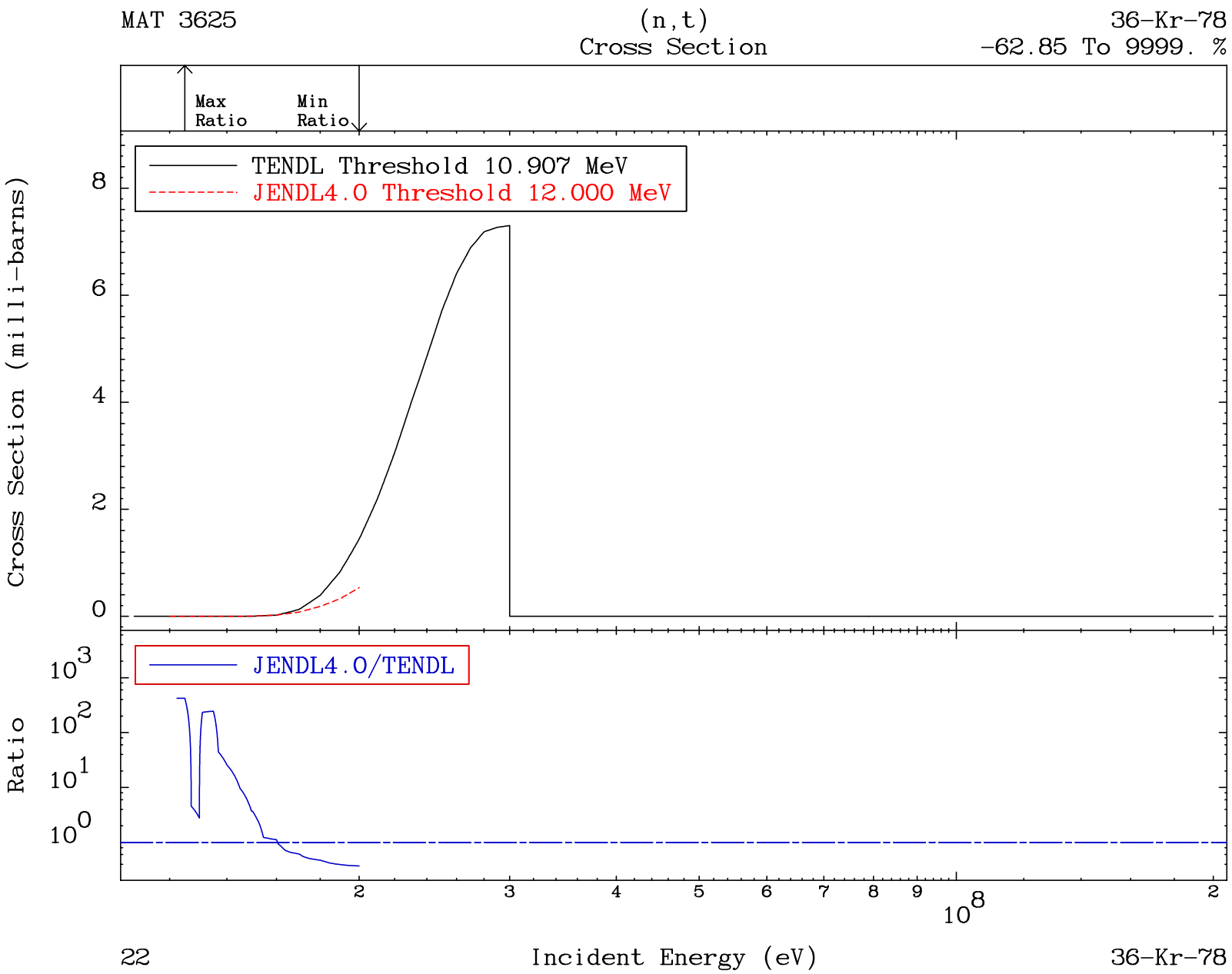

MAT 3625
MT= 61 (n,n') Level
Cross Section
36-Kr-78
-100.0 To 89.50 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.0334 MeV
JENDL4.0 Threshold 2.0334 MeV
Cross Section (milli-barns)
160
120
80
40
0
JENDL4.0/TENDL
Ratio
10^0
10^-2
10^-4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
36-Kr-78

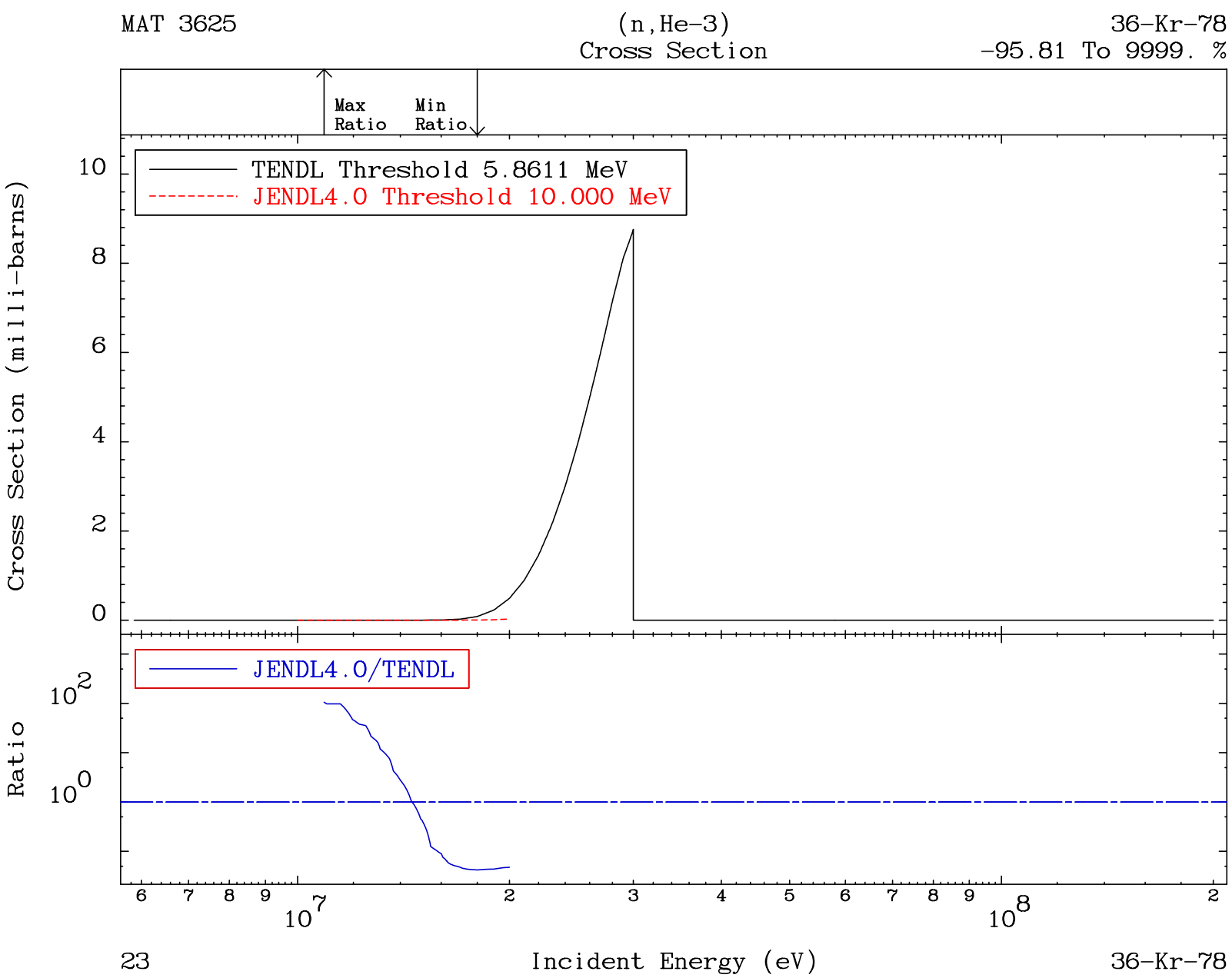

MAT 3625
(n,n') Continuum
Cross Section
36-Kr-78
4.321 To 1299. %
Max Ratio
Min Ratio
TENDL Threshold 3.0069 MeV
JENDL4.0 Threshold 2.0435 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
10^1
10^0
2
6
4
2
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
36-Kr-78

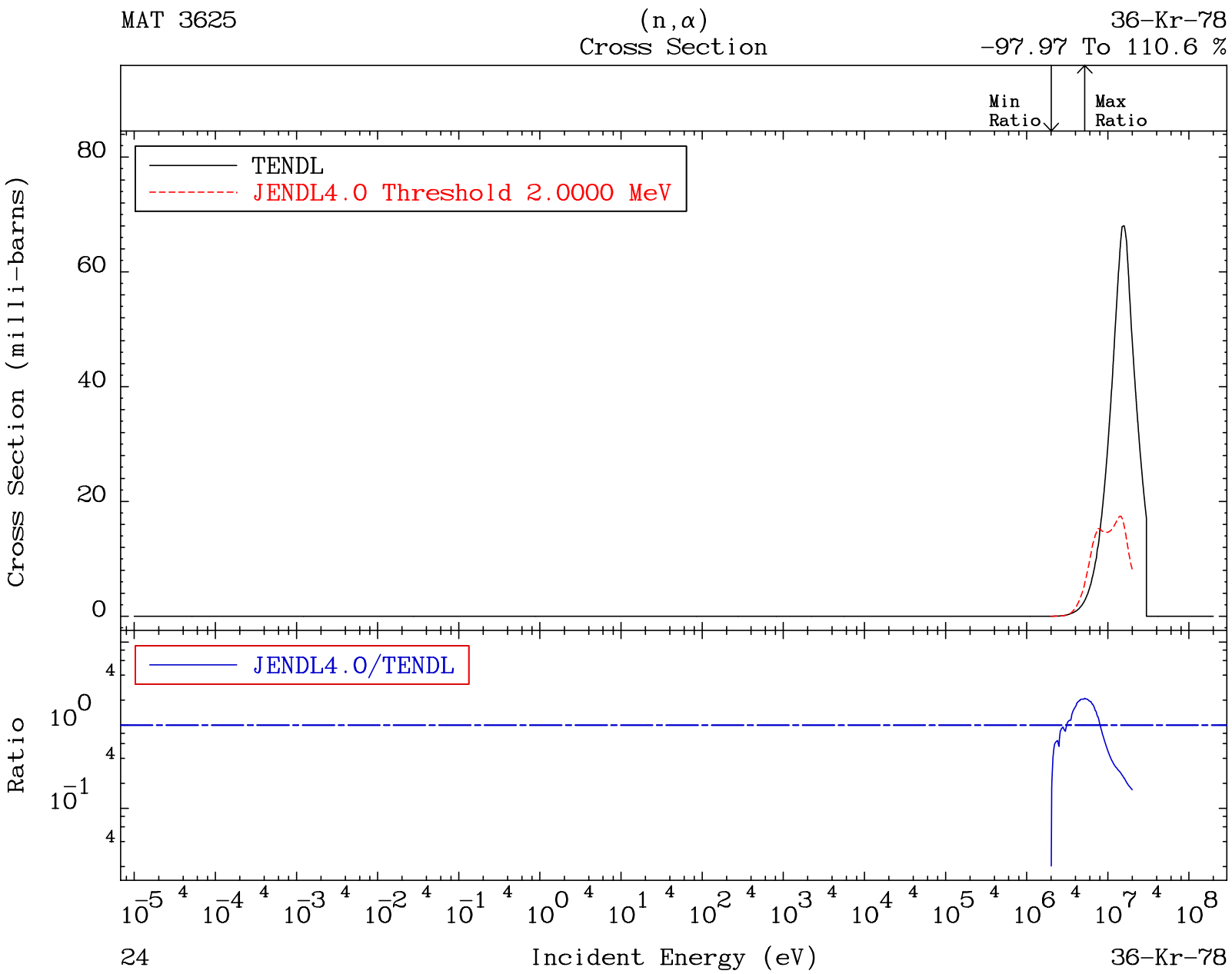

MAT 3625
(n,γ)
Cross Section
36-Kr-78
-99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
19
36-Kr-78

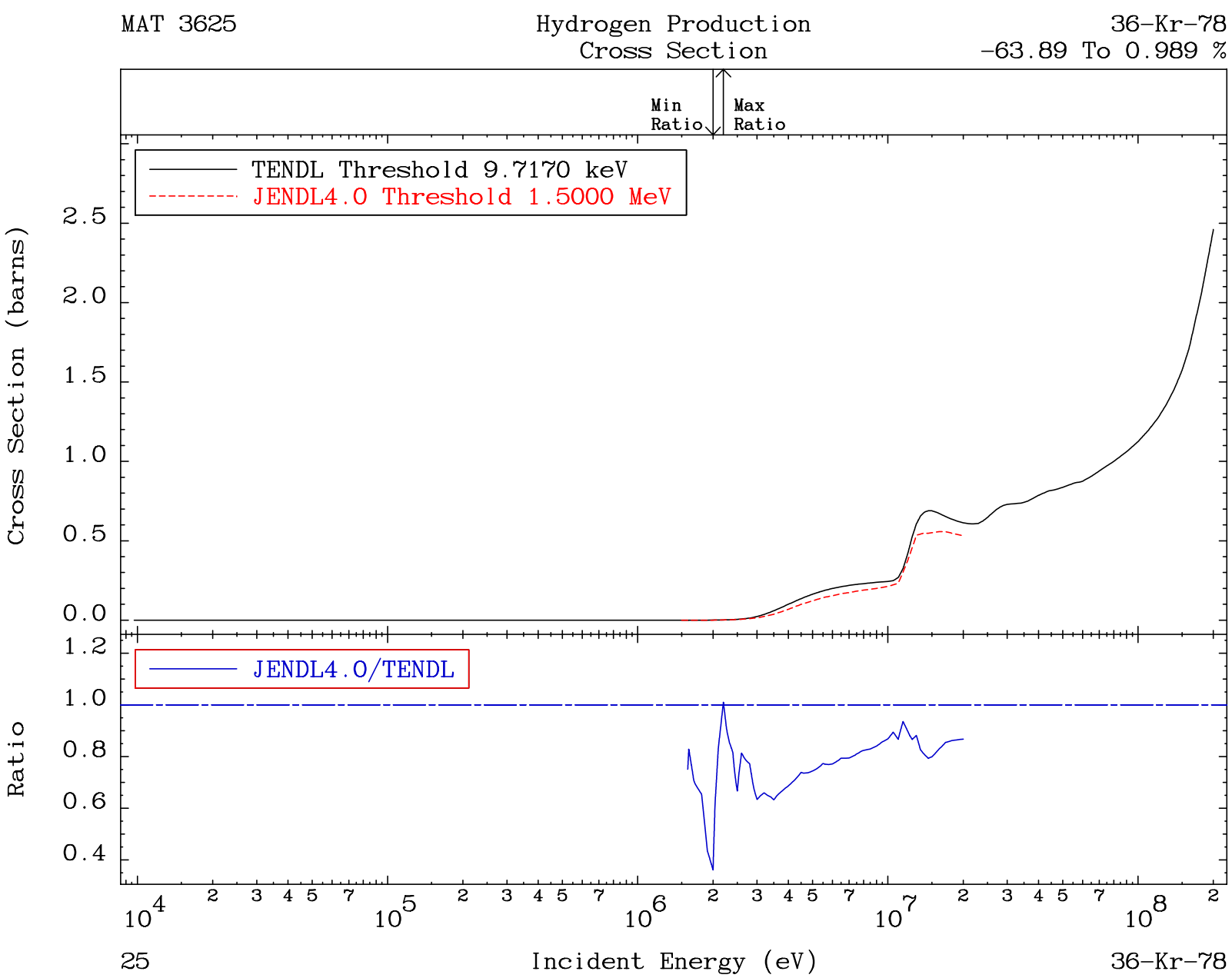

MAT 3625
(n,p)
Cross Section
36-Kr-78
-63.89 To 113.1 %
Min Ratio
Max Ratio
TENDL Threshold 9.7170 keV
JENDL4.0 Threshold 1.5000 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
2.0
1.0
10^4
10^5
10^6
10^7
10^8
20
Incident Energy (eV)
36-Kr-78

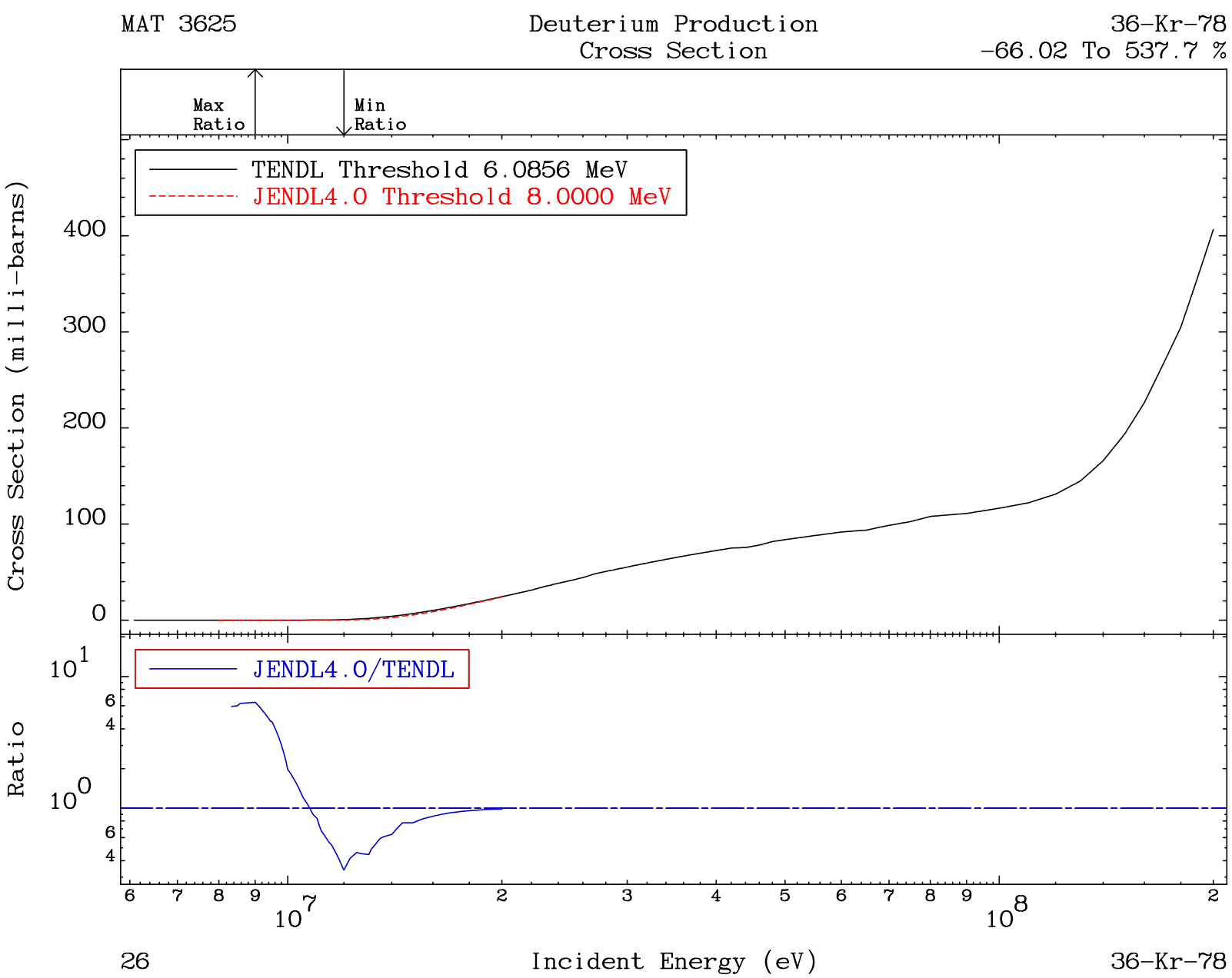

MAT 3625
(n,d)
Cross Section
36-Kr-78
-66.02 To 537.7 %
Max Ratio
Min Ratio
TENDL Threshold 6.0856 MeV
JENDL4.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
40
30
20
10
0
JENDL4.0/TENDL
Ratio
10^1
10^0
6
4
6
4
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
36-Kr-78

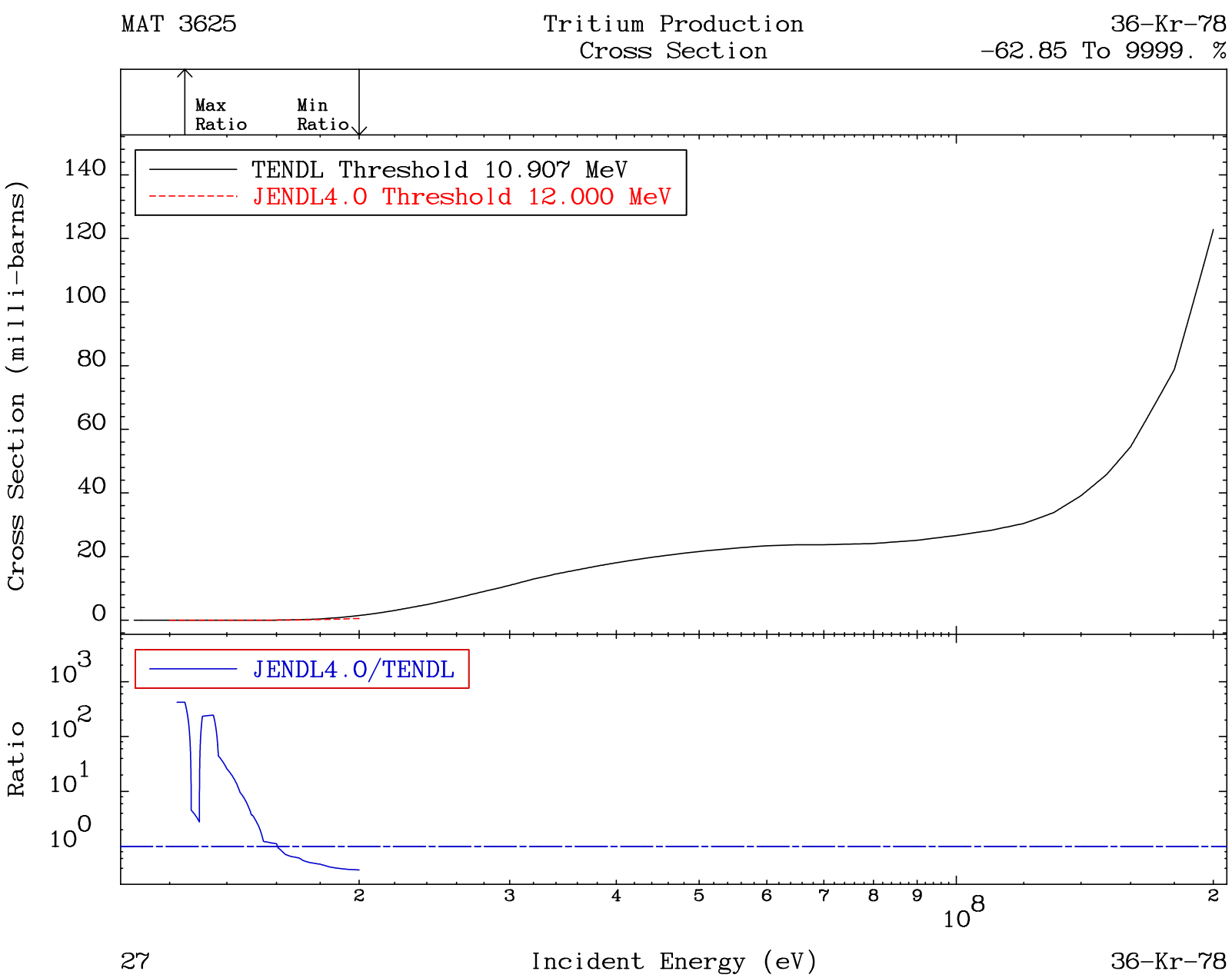

MAT 3625
(n,t)
Cross Section
36-Kr-78
-62.85 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.907 MeV
JENDL4.0 Threshold 12.000 MeV
Cross Section (milli-barns)
0
2
4
6
8
JENDL4.0/TENDL
Ratio
10^0
10^1
10^2
10^3
2
3
4
5
6
7
8
9
10^8
2
22
Incident Energy (eV)
36-Kr-78

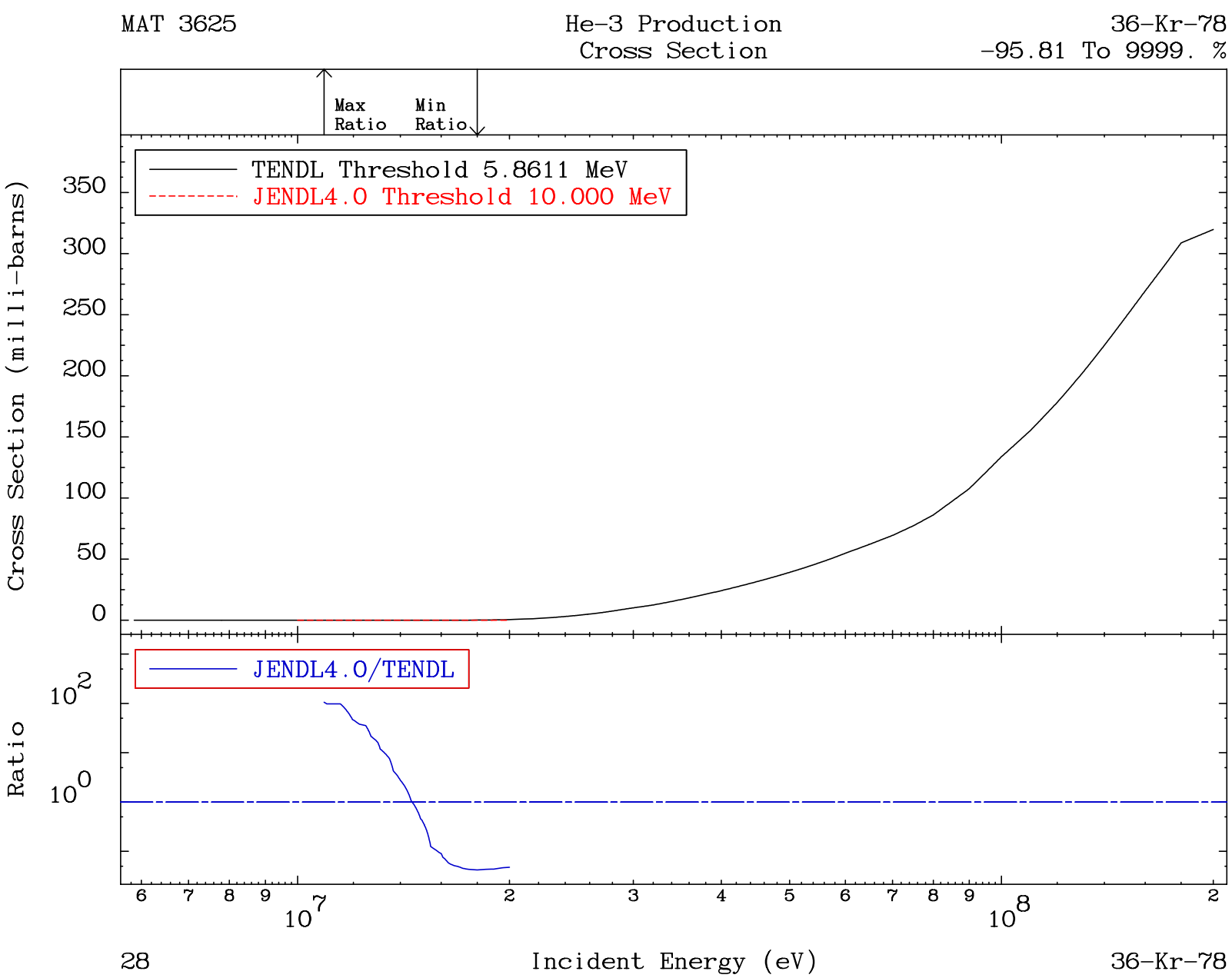

MAT 3625
(n,He-3)
Cross Section
36-Kr-78
-95.81 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.8611 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
23
36-Kr-78

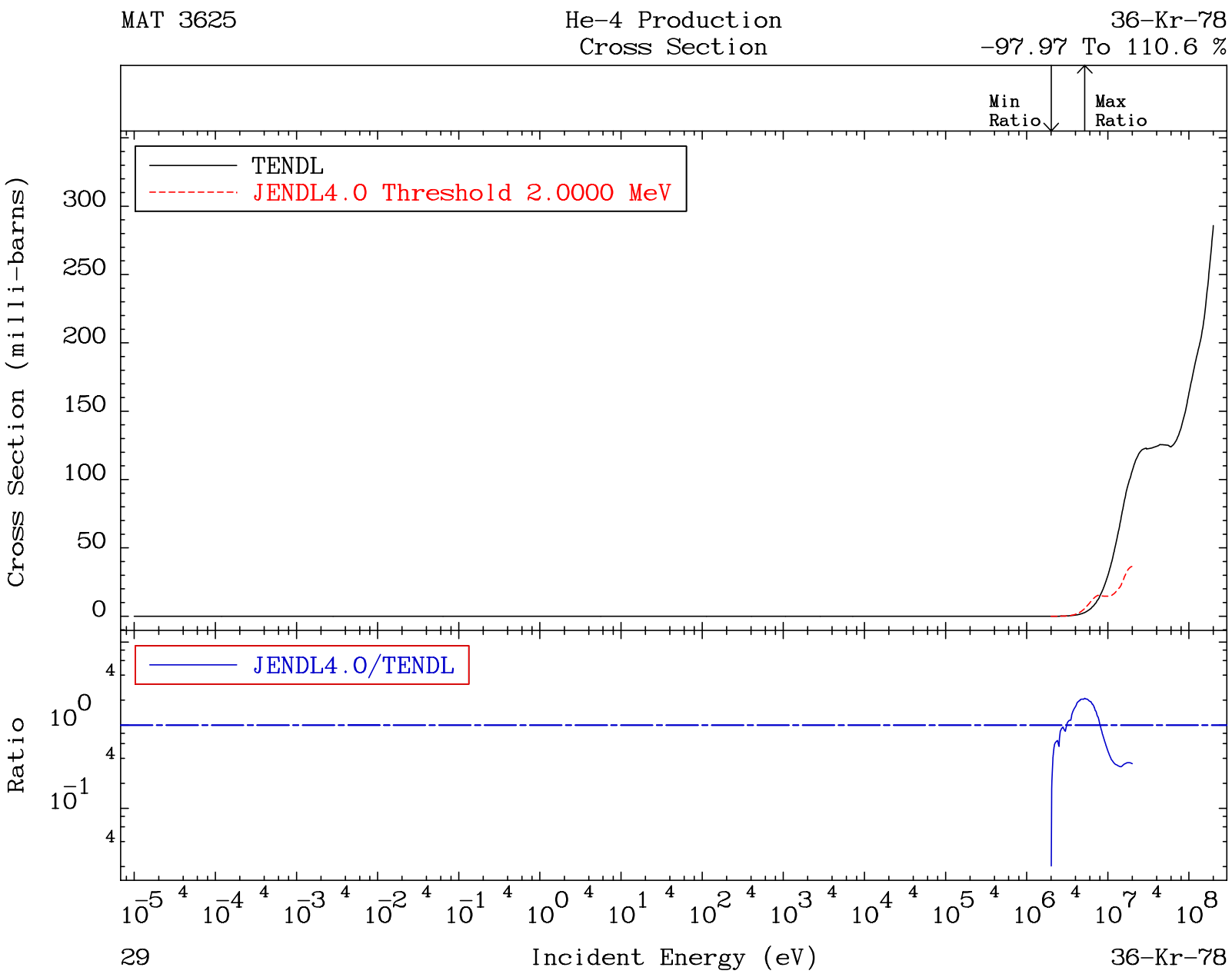

MAT 3625
(n,α)
Cross Section
36-Kr-78
-97.97 To 110.6 %
Min Ratio
Max Ratio
TENDL
JENDL4.0 Threshold 2.0000 MeV
Cross Section (milli-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
24
Incident Energy (eV)
36-Kr-78

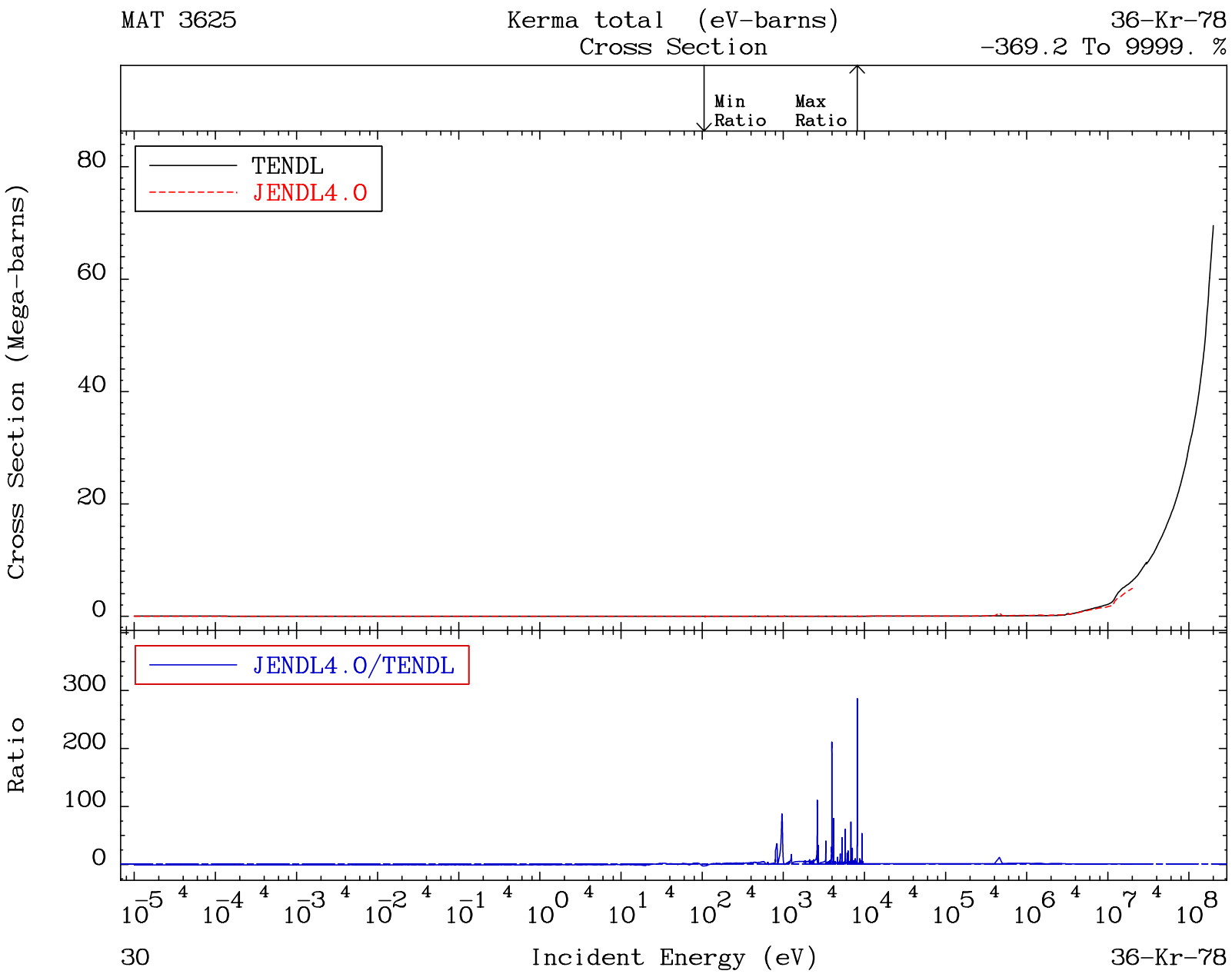

MAT 3625
Hydrogen Production
Cross Section
36-Kr-78
-63.89 To 0.989 %
Min Ratio
Max Ratio
TENDL Threshold 9.7170 keV
JENDL4.0 Threshold 1.5000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL4.0/TENDL
Ratio
1.2
1.0
0.8
0.6
0.4
10^4
10^5
10^6
10^7
10^8
25
Incident Energy (eV)
36-Kr-78

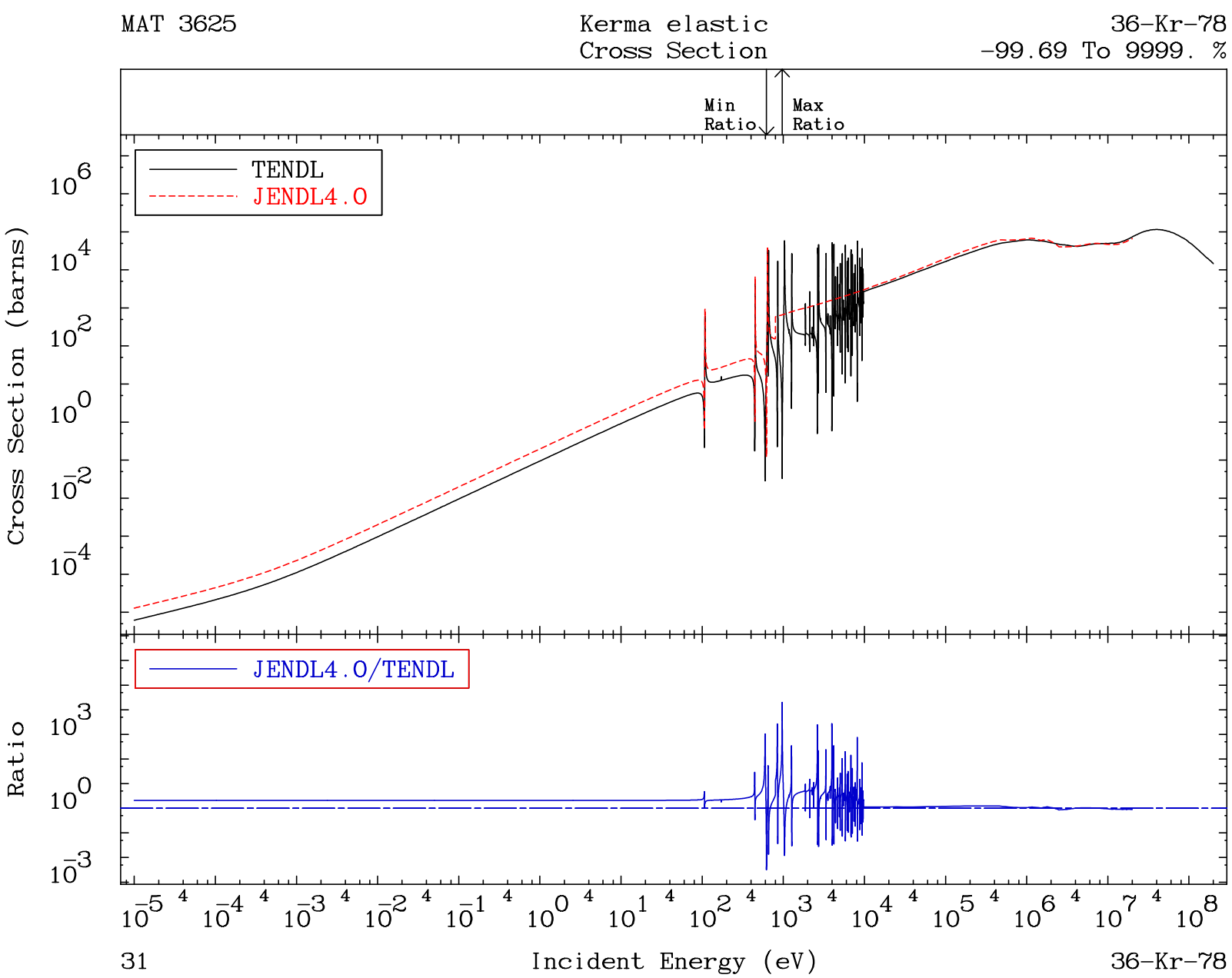

MAT 3625
Deuterium Production
Cross Section
36-Kr-78
-66.02 To 537.7 %
Max Ratio
Min Ratio
TENDL Threshold 6.0856 MeV
JENDL4.0 Threshold 8.0000 MeV
Cross Section (milli-barns)
400
300
200
100
0
JENDL4.0/TENDL
Ratio
10^1
10^0
6
4
6
4
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
36-Kr-78

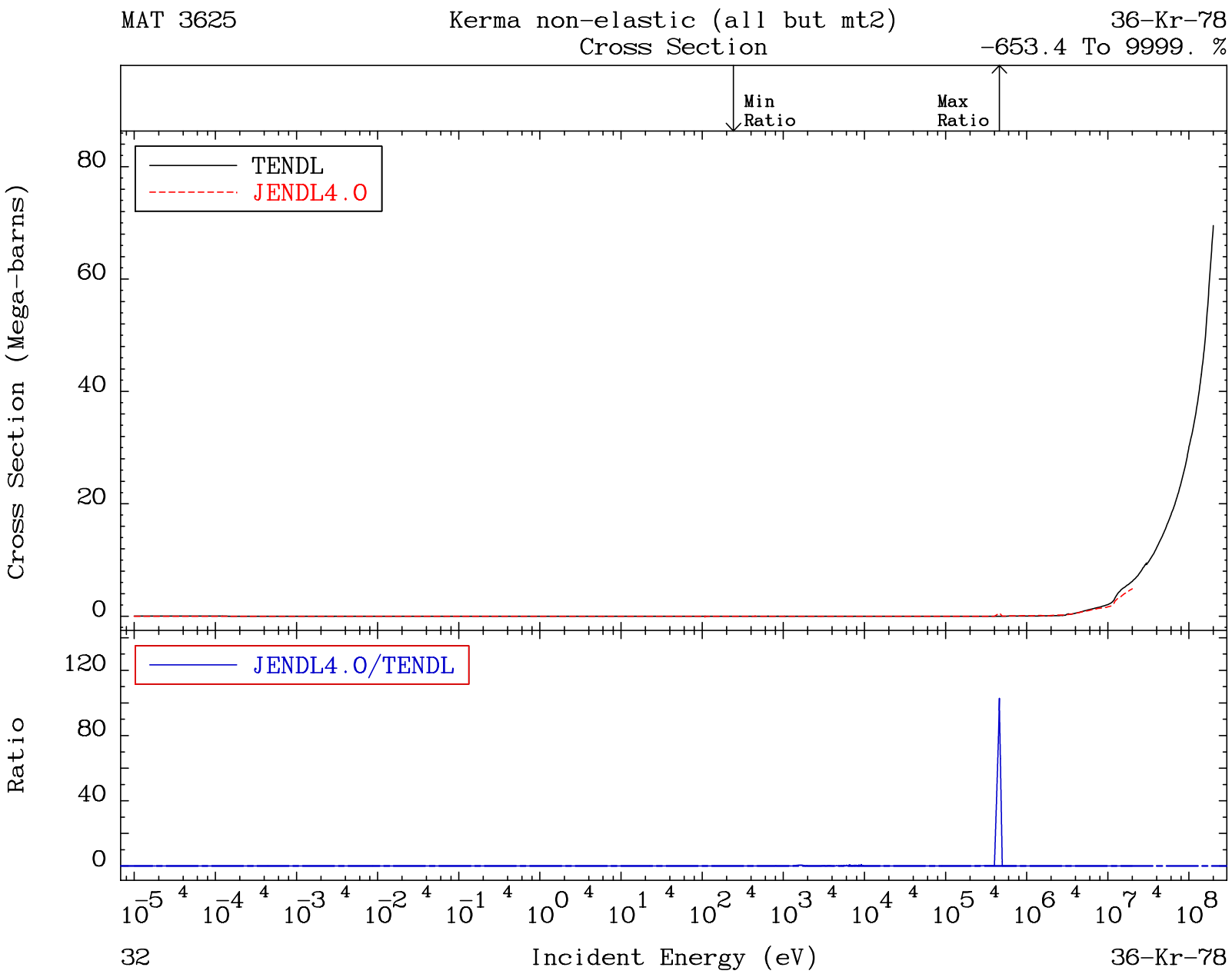

MAT 3625
Tritium Production
Cross Section
36-Kr-78
-62.85 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.907 MeV
JENDL4.0 Threshold 12.000 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JENDL4.0/TENDL
Ratio
10^3
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
27
Incident Energy (eV)
36-Kr-78

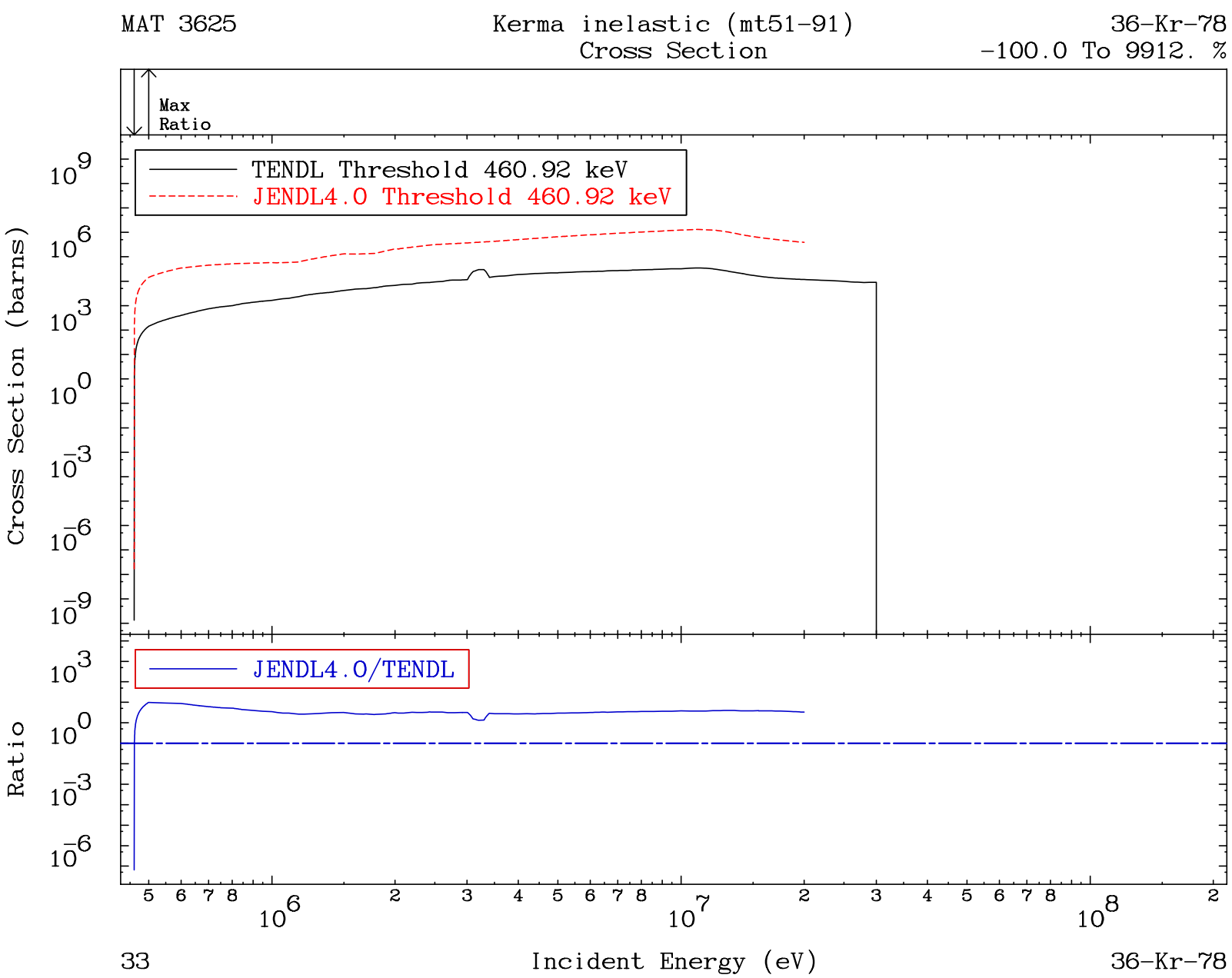

MAT 3625
He-3 Production
Cross Section
36-Kr-78
-95.81 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.8611 MeV
JENDL4.0 Threshold 10.000 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^2
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
36-Kr-78

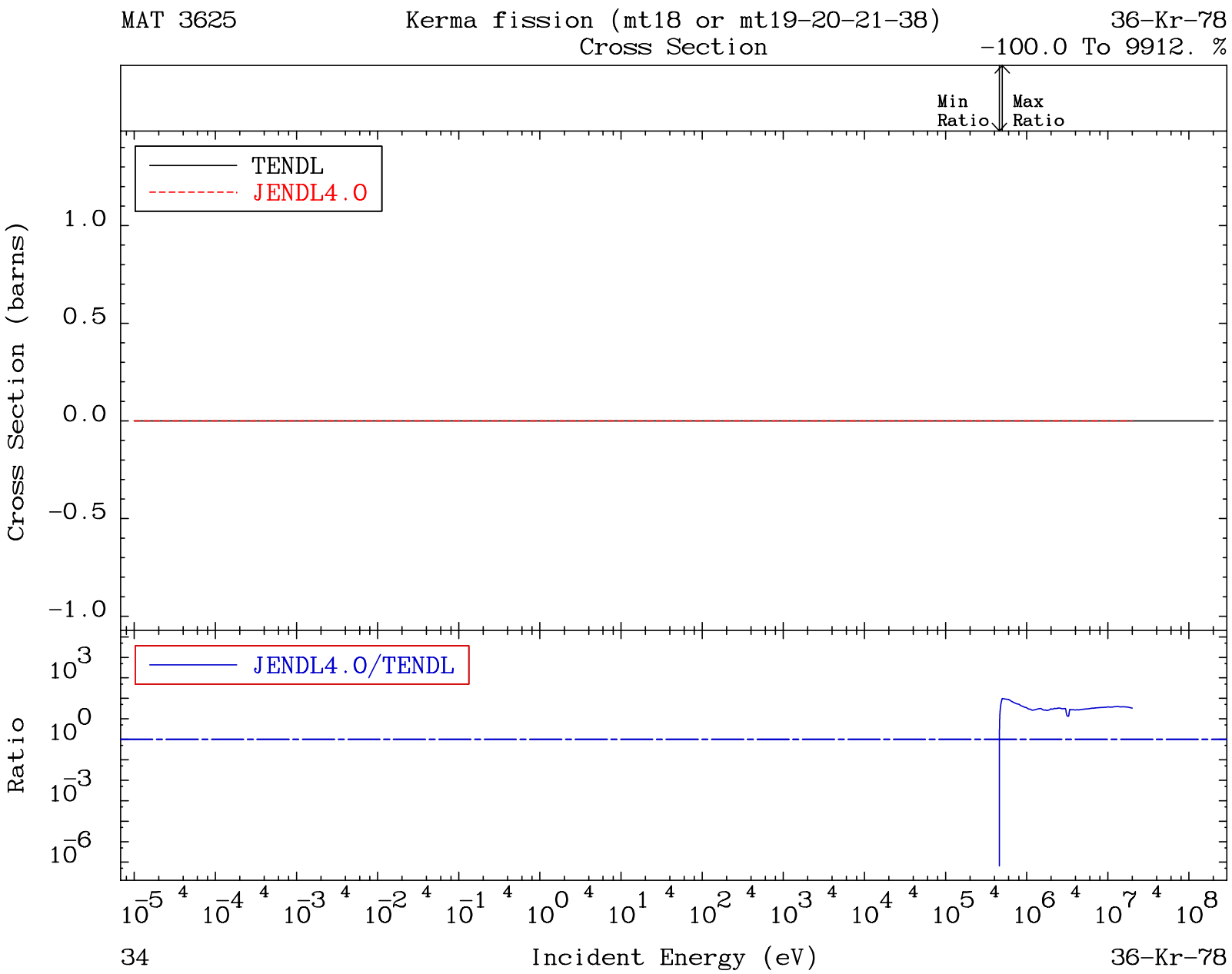

MAT 3625
He-4 Production
Cross Section
36-Kr-78
-97.97 To 110.6 %
Min Ratio
Max Ratio
TENDL
JENDL4.0 Threshold 2.0000 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JENDL4.0/TENDL
Ratio
10^0
10^-1
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
29
Incident Energy (eV)
36-Kr-78

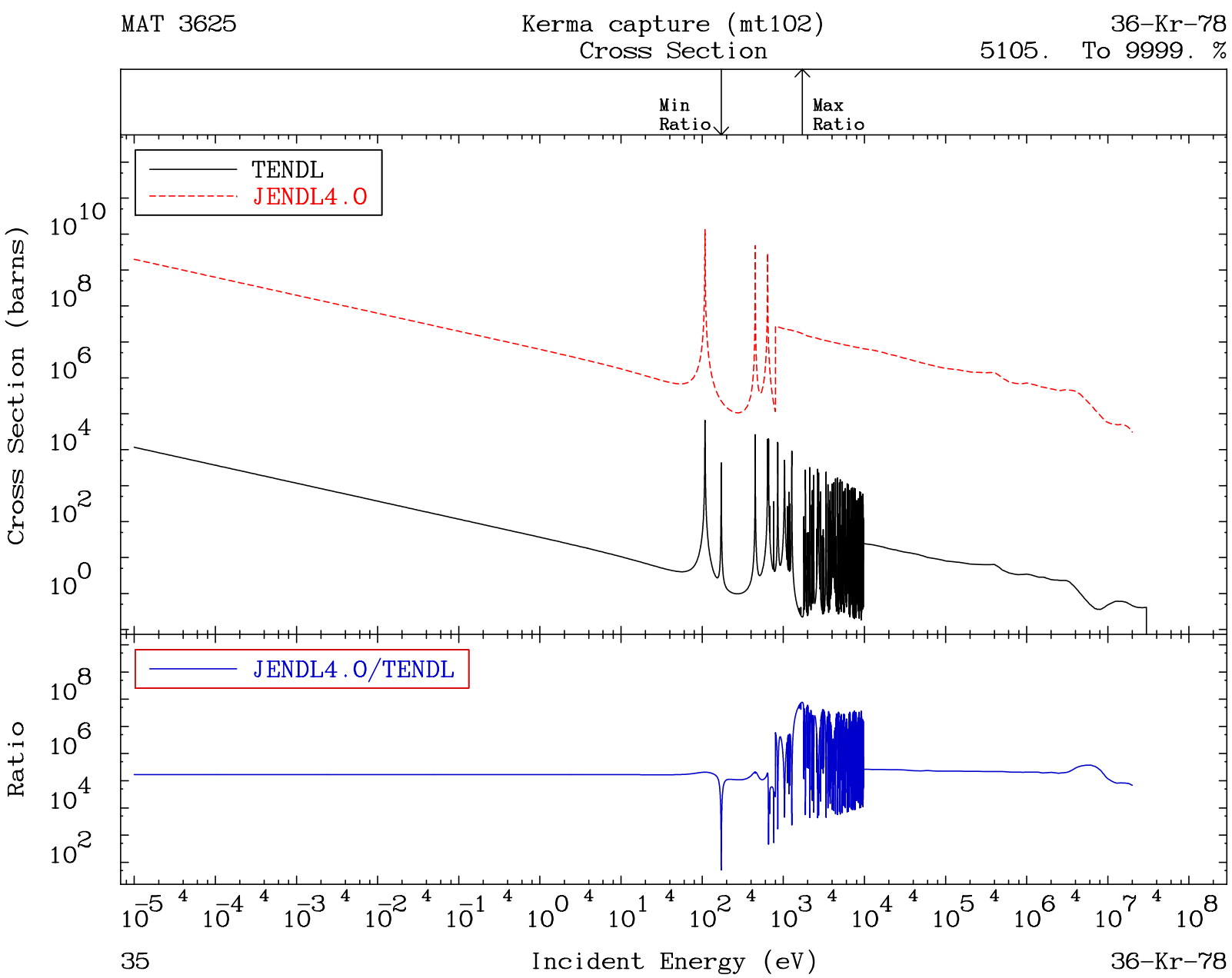

MAT 3625
Kerma total (eV-barns)
Cross Section
36-Kr-78
-369.2 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (Mega-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
300
200
100
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
30
Incident Energy (eV)
36-Kr-78

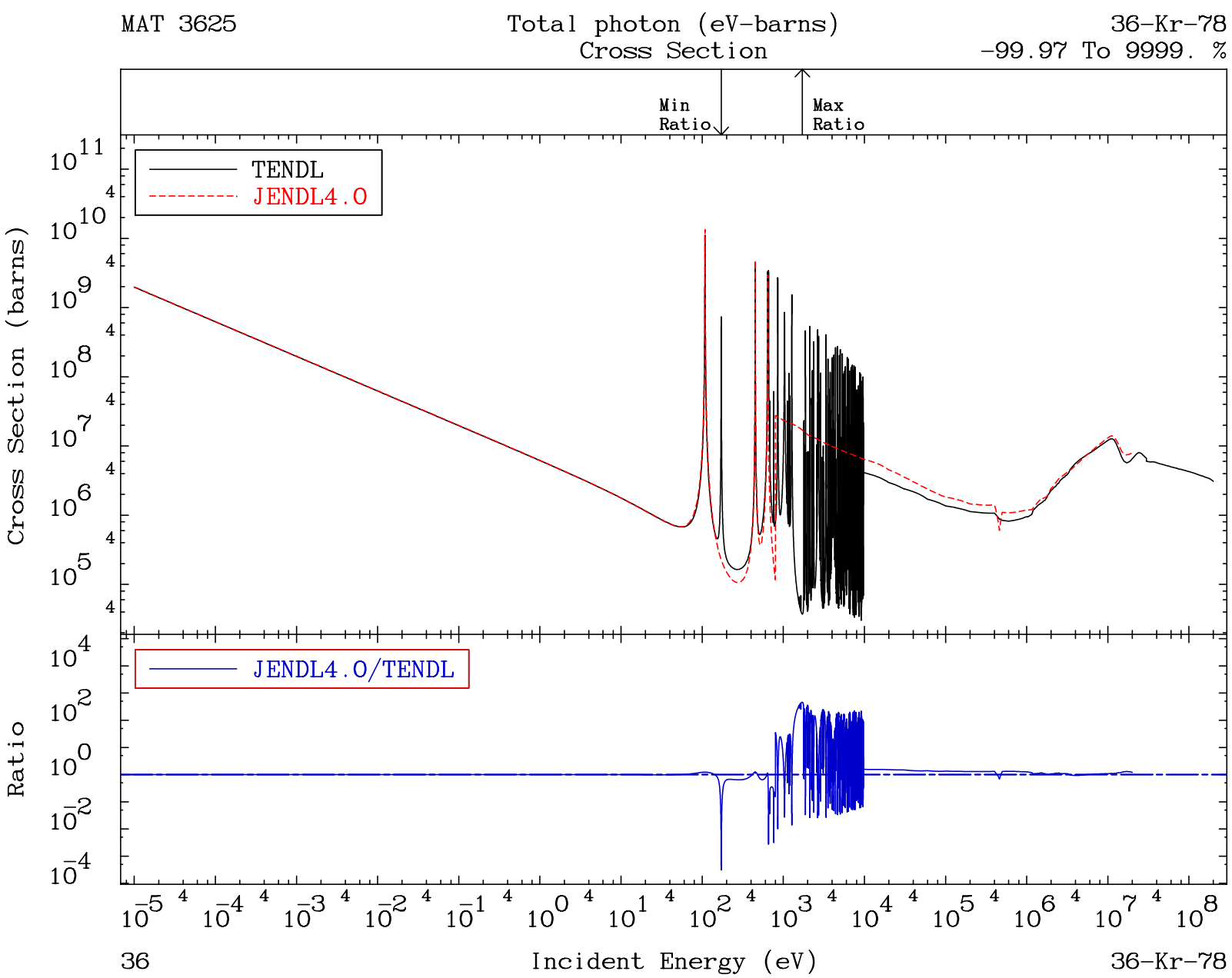

MAT 3625
Kerma elastic
Cross Section
36-Kr-78
-99.69 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
31
36-Kr-78

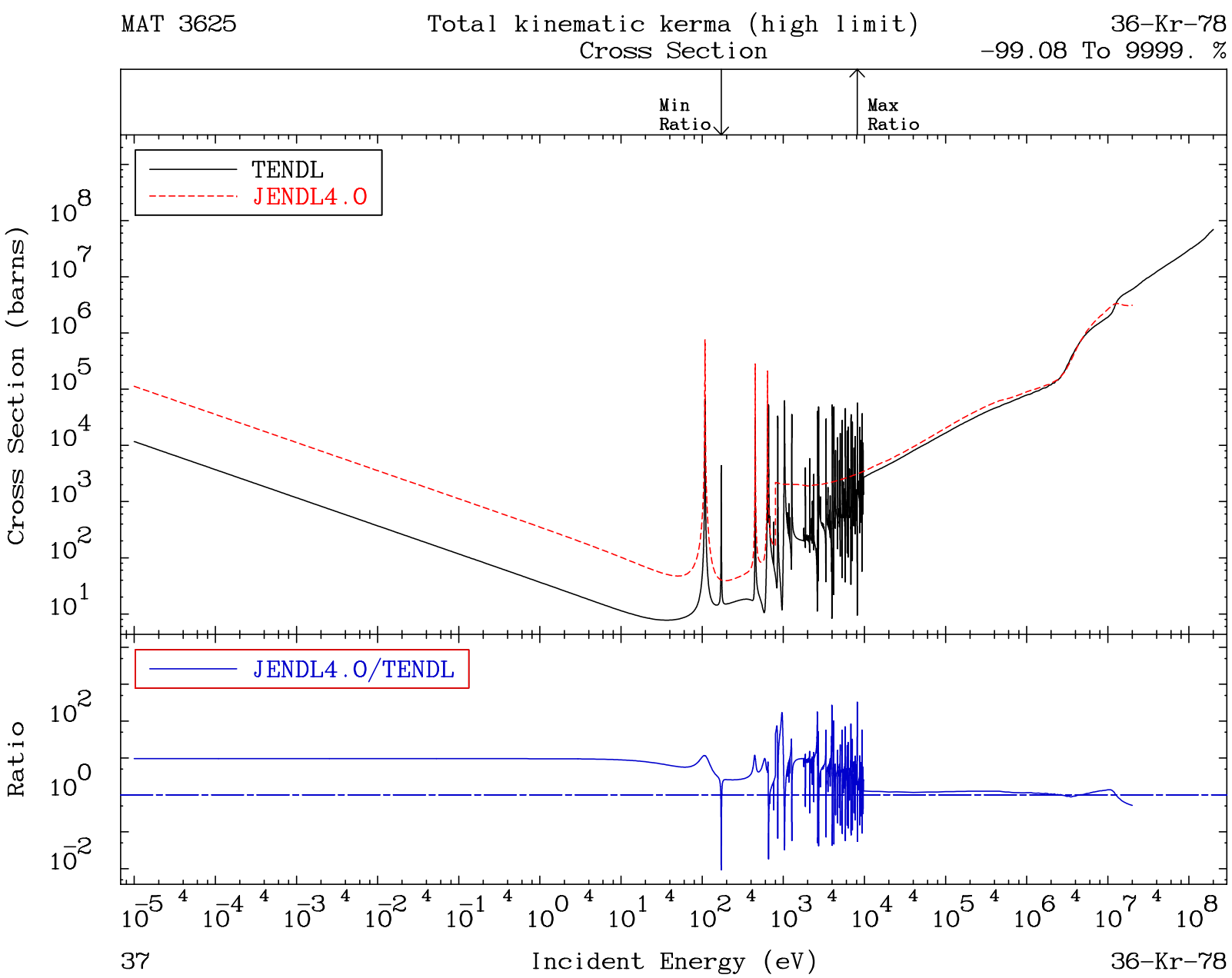

MAT 3625
Kerma non-elastic (all but mt2)
Cross Section
36-Kr-78
-653.4 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (Mega-barns)
80
60
40
20
0
JENDL4.0/TENDL
Ratio
120
80
40
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
32
Incident Energy (eV)
36-Kr-78

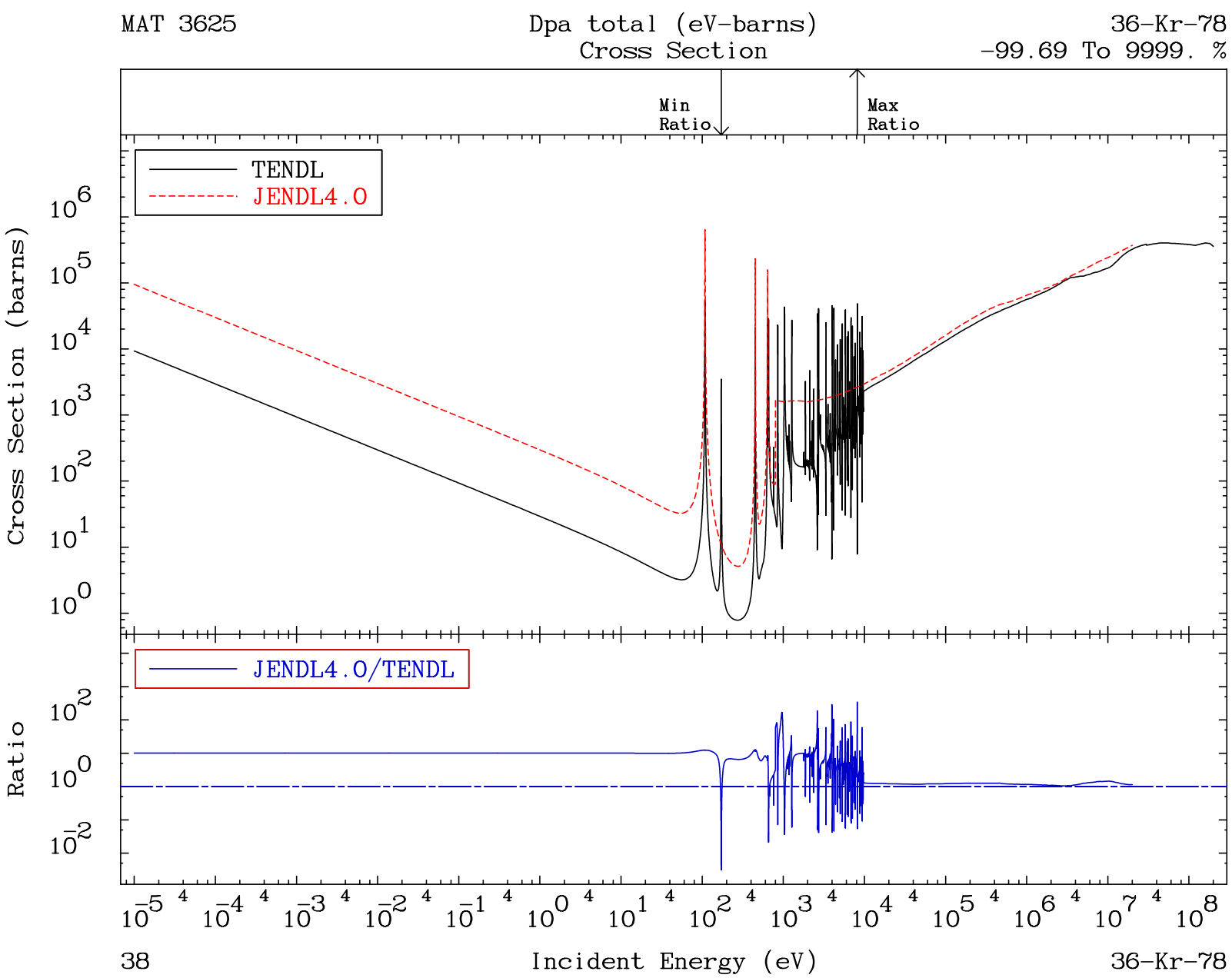

MAT 3625
Kerma inelastic (mt51-91)
Cross Section
36-Kr-78
-100.0 To 9912. %
Max
Ratio
TENDL Threshold 460.92 keV
JENDL4.0 Threshold 460.92 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
33
36-Kr-78

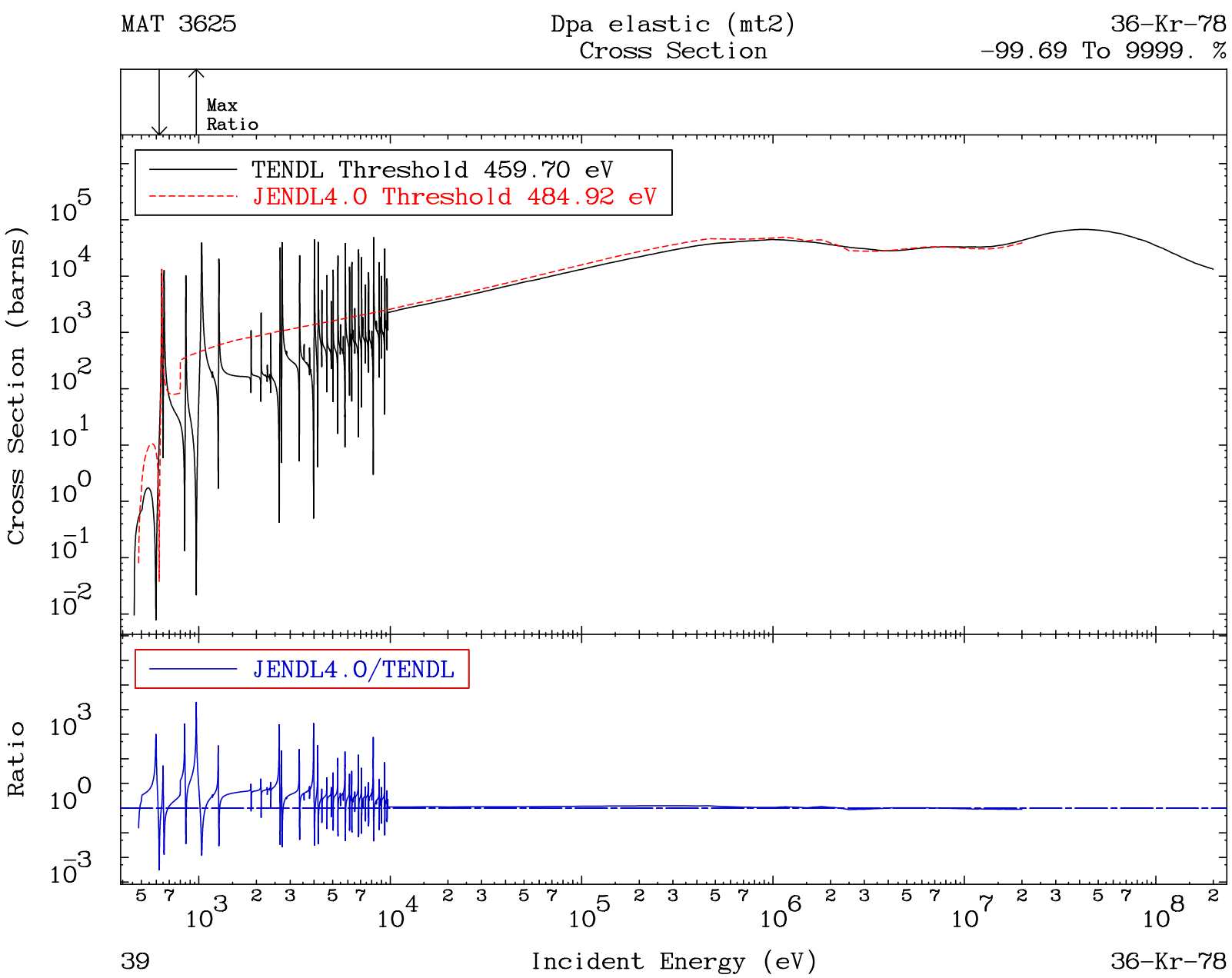

MAT 3625
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
36-Kr-78
-100.0 To 9912. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JENDL4.0/TENDL
Ratio
10^3
10^0
10^-3
10^-6
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
36-Kr-78

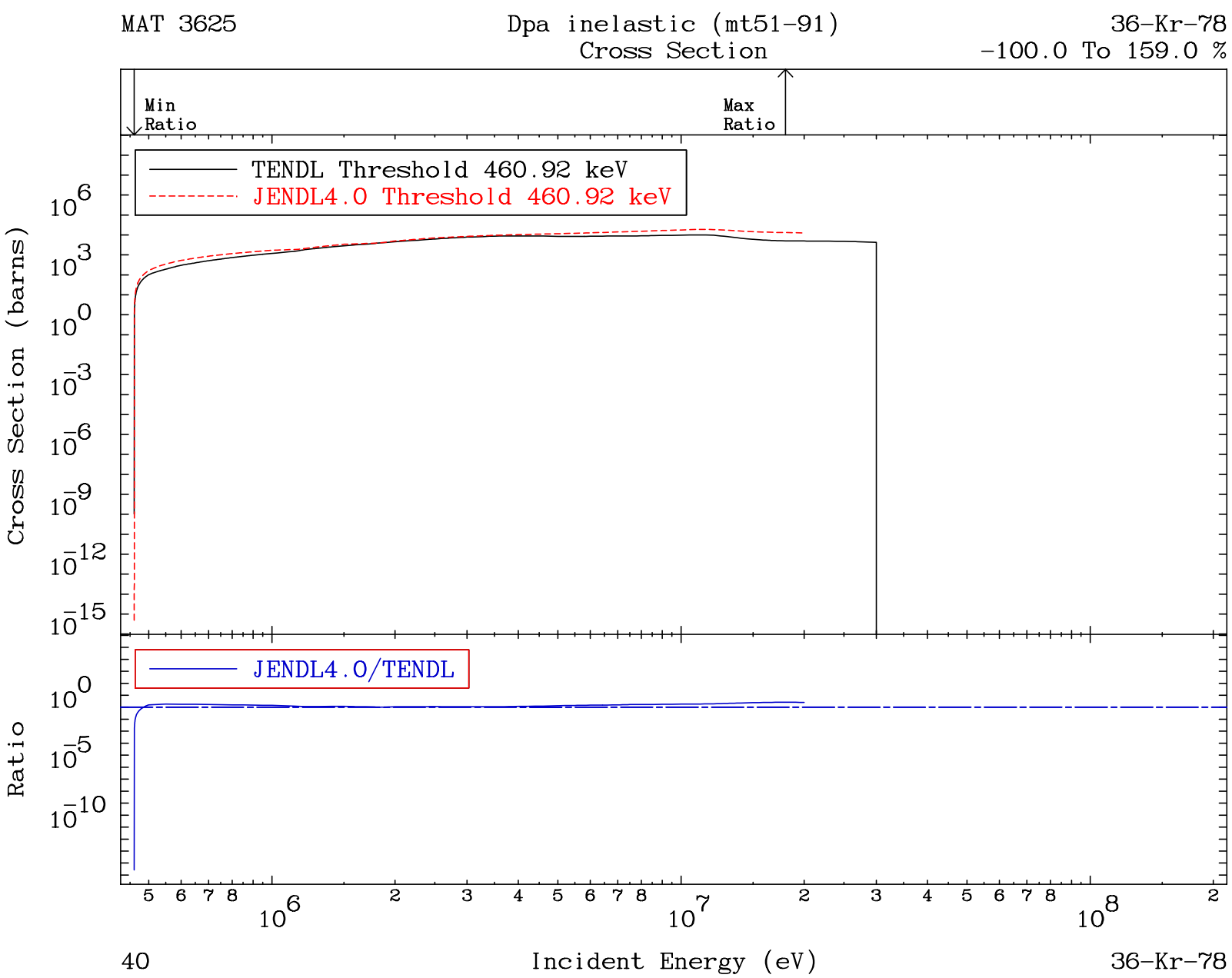

MAT 3625
Kerma capture (mt102)
Cross Section
36-Kr-78
5105. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
35
36-Kr-78

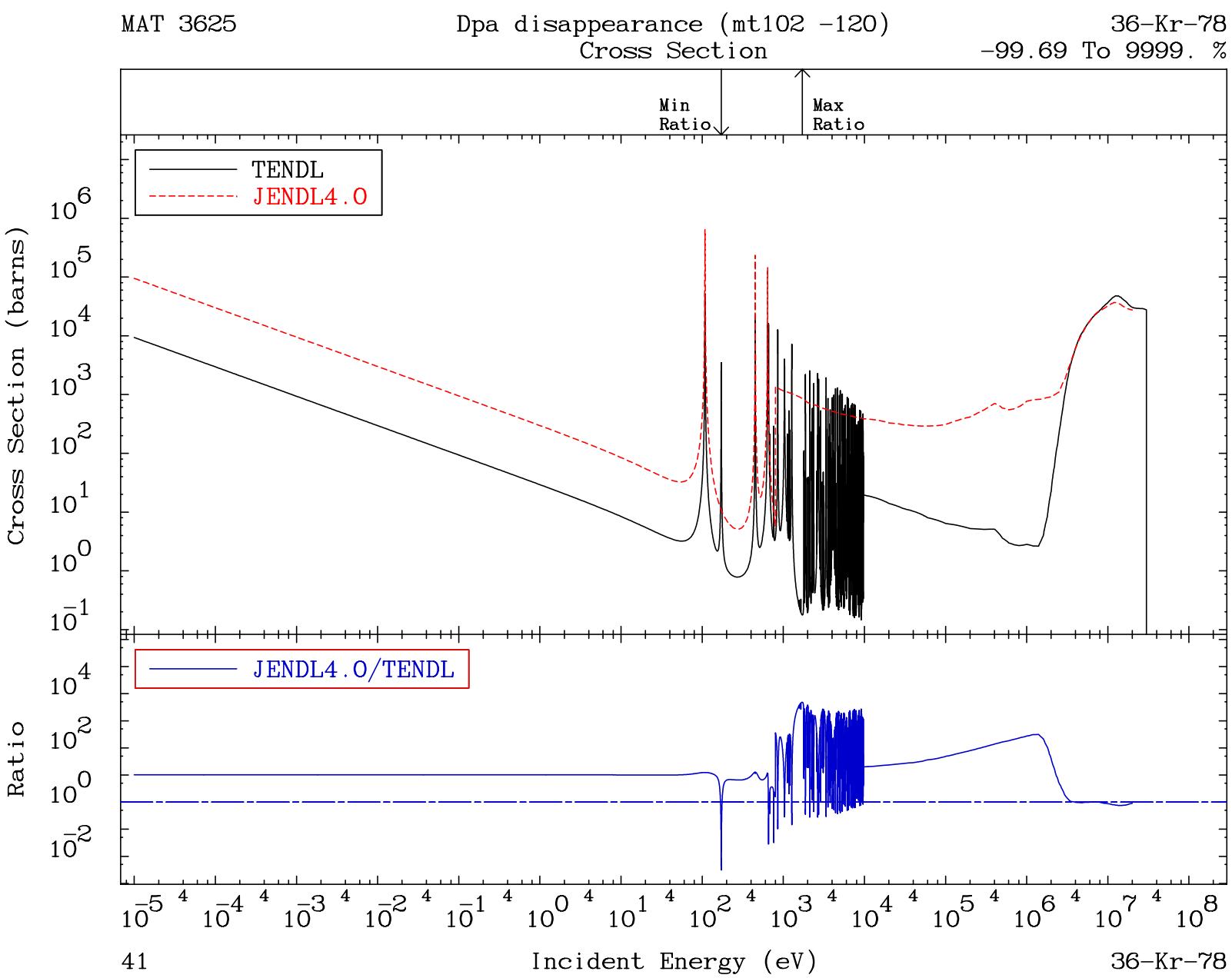

MAT 3625
Total photon (eV-barns)
Cross Section
36-Kr-78
-99.97 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
36
36-Kr-78

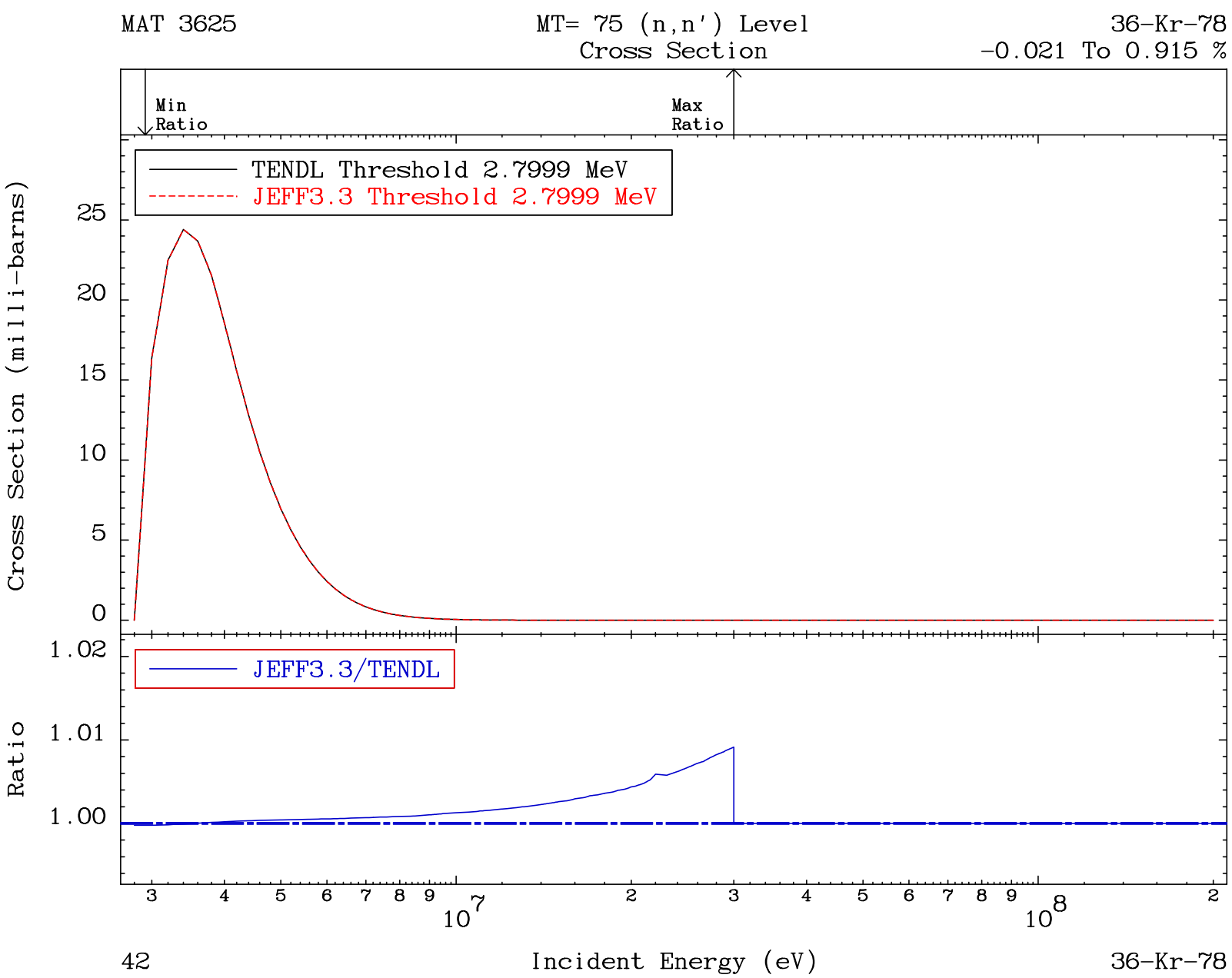

MAT 3625
Total kinematic kerma (high limit)
Cross Section
36-Kr-78
-99.08 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
37
36-Kr-78

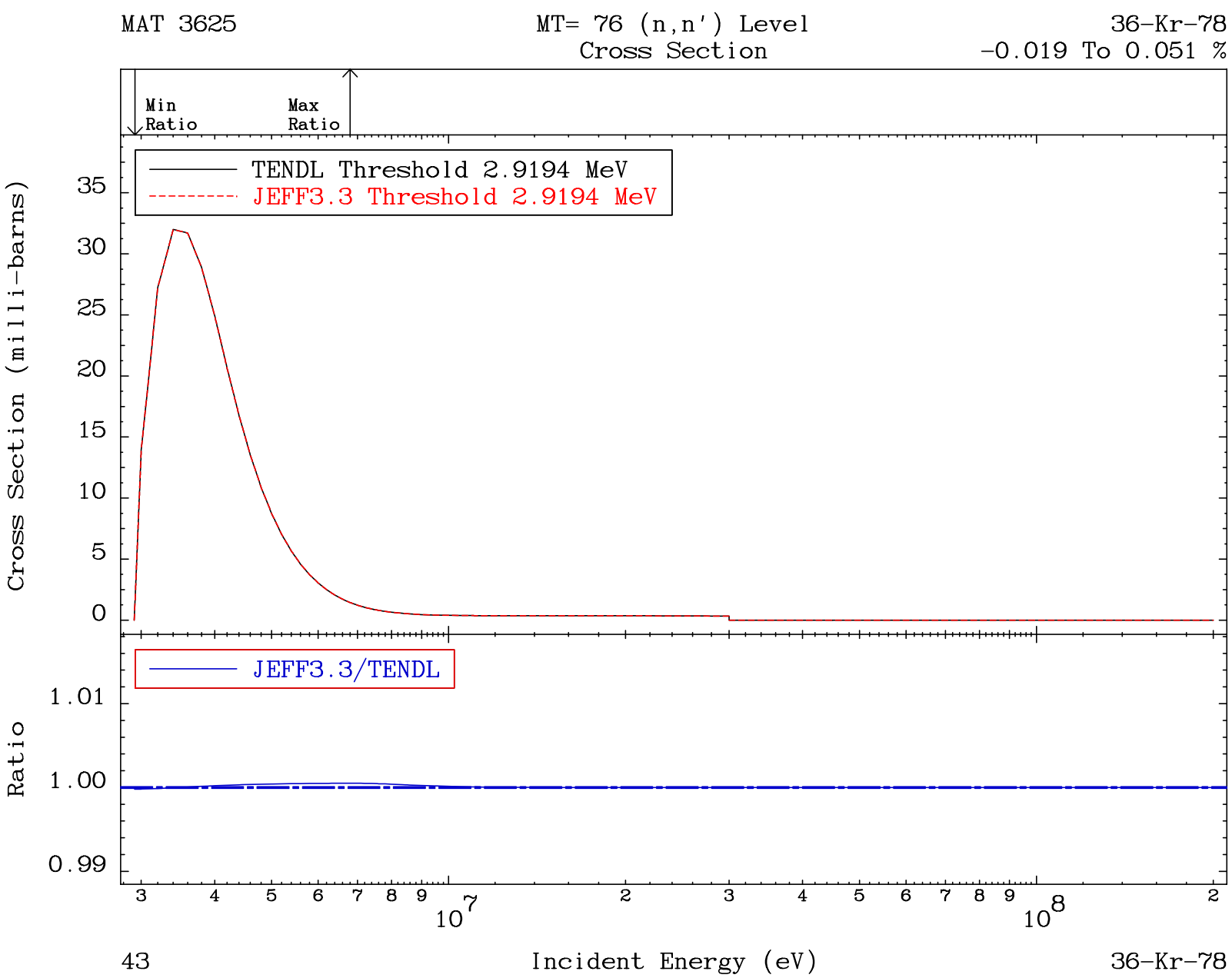

MAT 3625
Dpa total (eV-barns)
Cross Section
36-Kr-78
-99.69 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
38
36-Kr-78

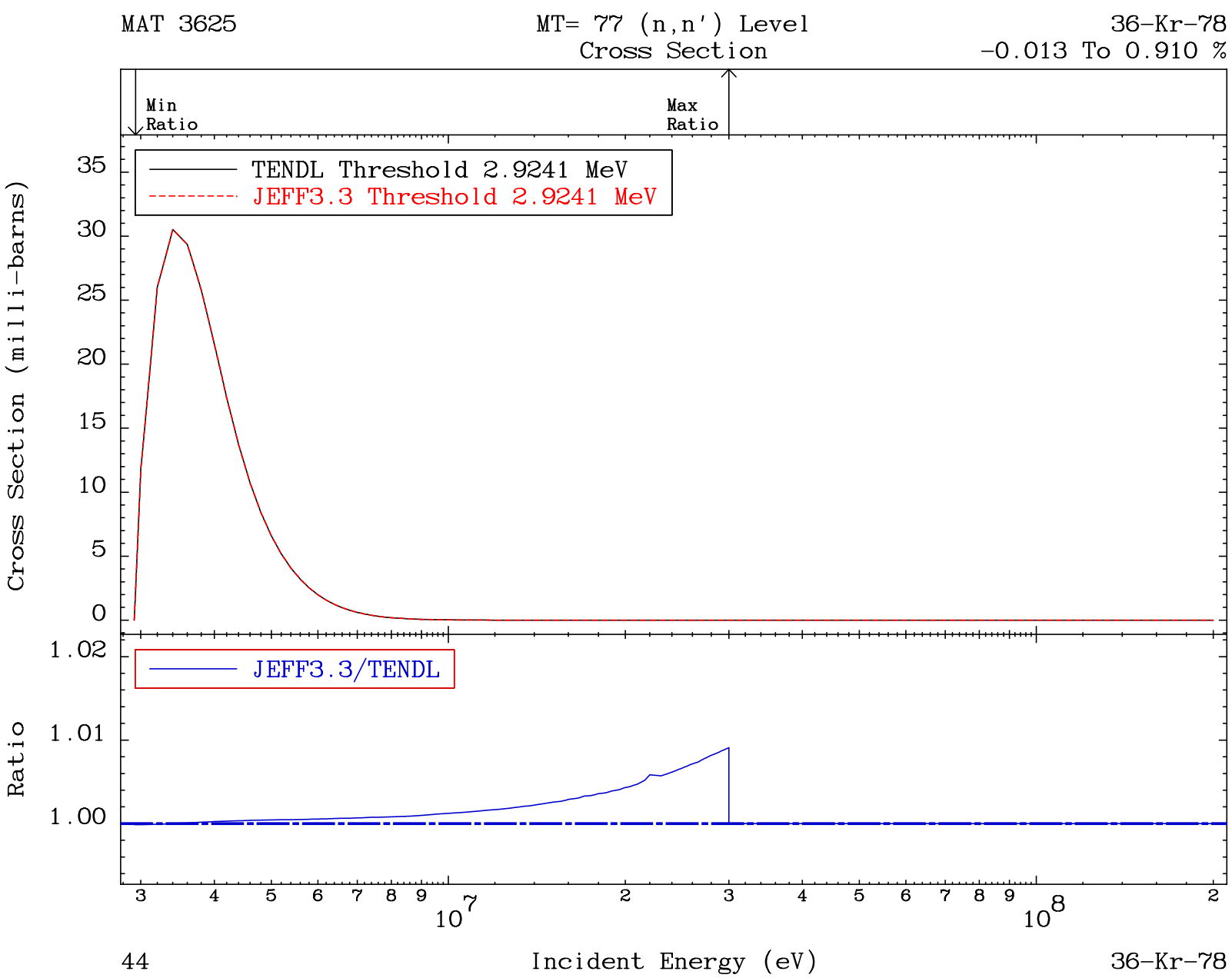

MAT 3625
Dpa elastic (mt2)
Cross Section
36-Kr-78
-99.69 To 9999. %
Max
Ratio
TENDL Threshold 459.70 eV
JENDL4.0 Threshold 484.92 eV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
39
36-Kr-78

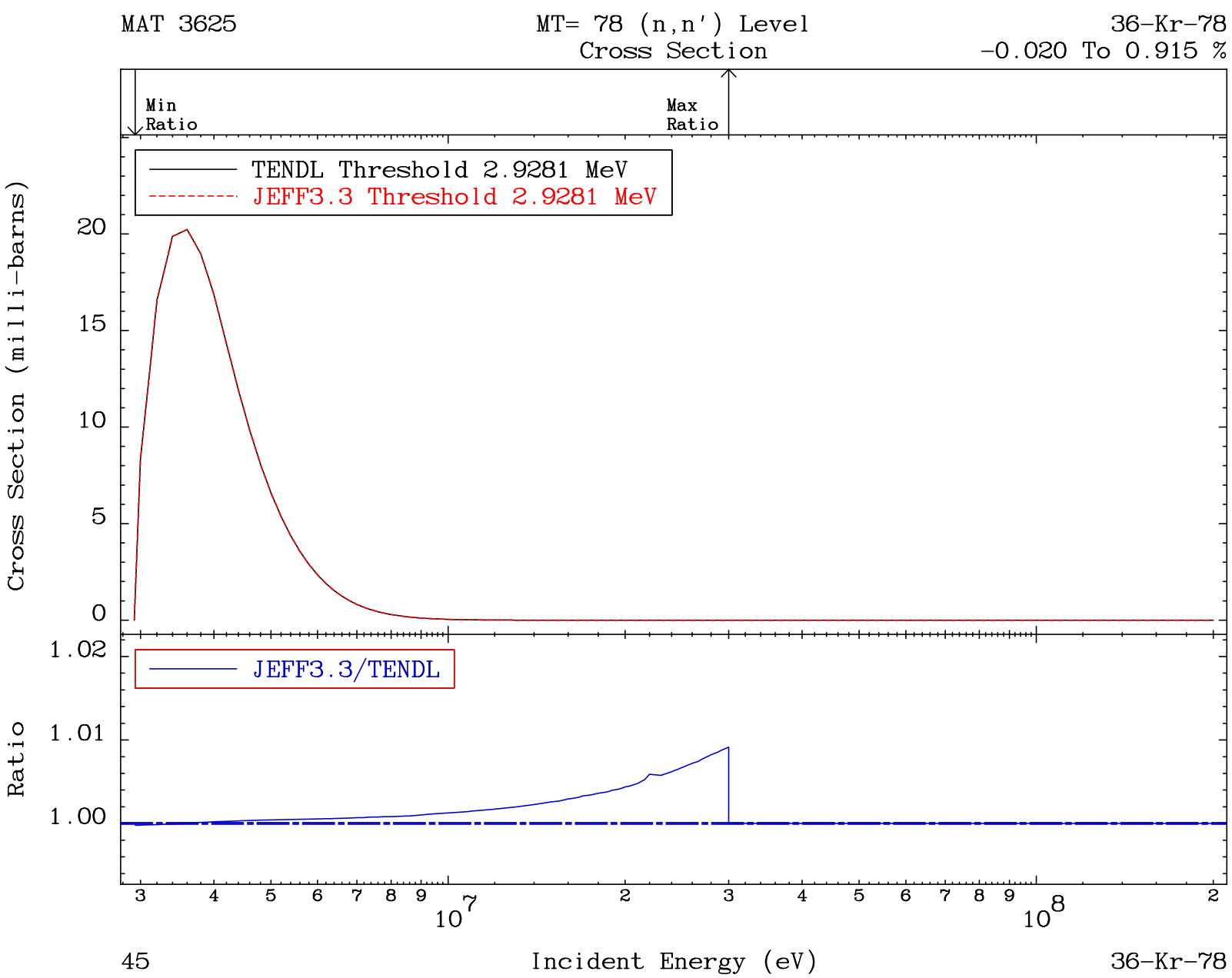

MAT 3625
Dpa inelastic (mt51-91)
Cross Section
36-Kr-78
-100.0 To 159.0 %
Min Ratio
Max Ratio
TENDL Threshold 460.92 keV
JENDL4.0 Threshold 460.92 keV
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
40
36-Kr-78

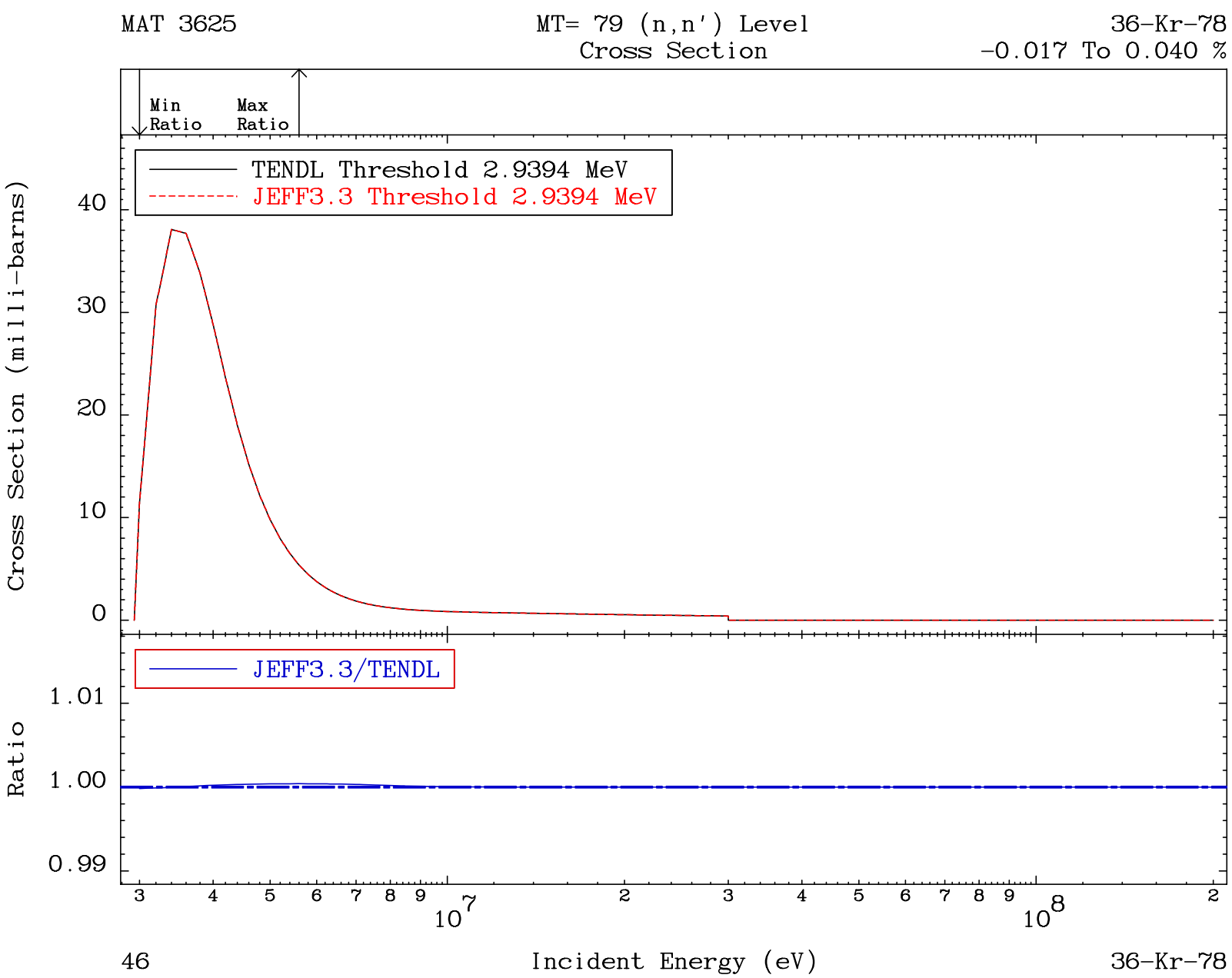

MAT 3625
Dpa disappearance (mt102 -120)
Cross Section
36-Kr-78
-99.69 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL4.0
Cross Section (barns)
JENDL4.0/TENDL
Ratio
Incident Energy (eV)
41
36-Kr-78

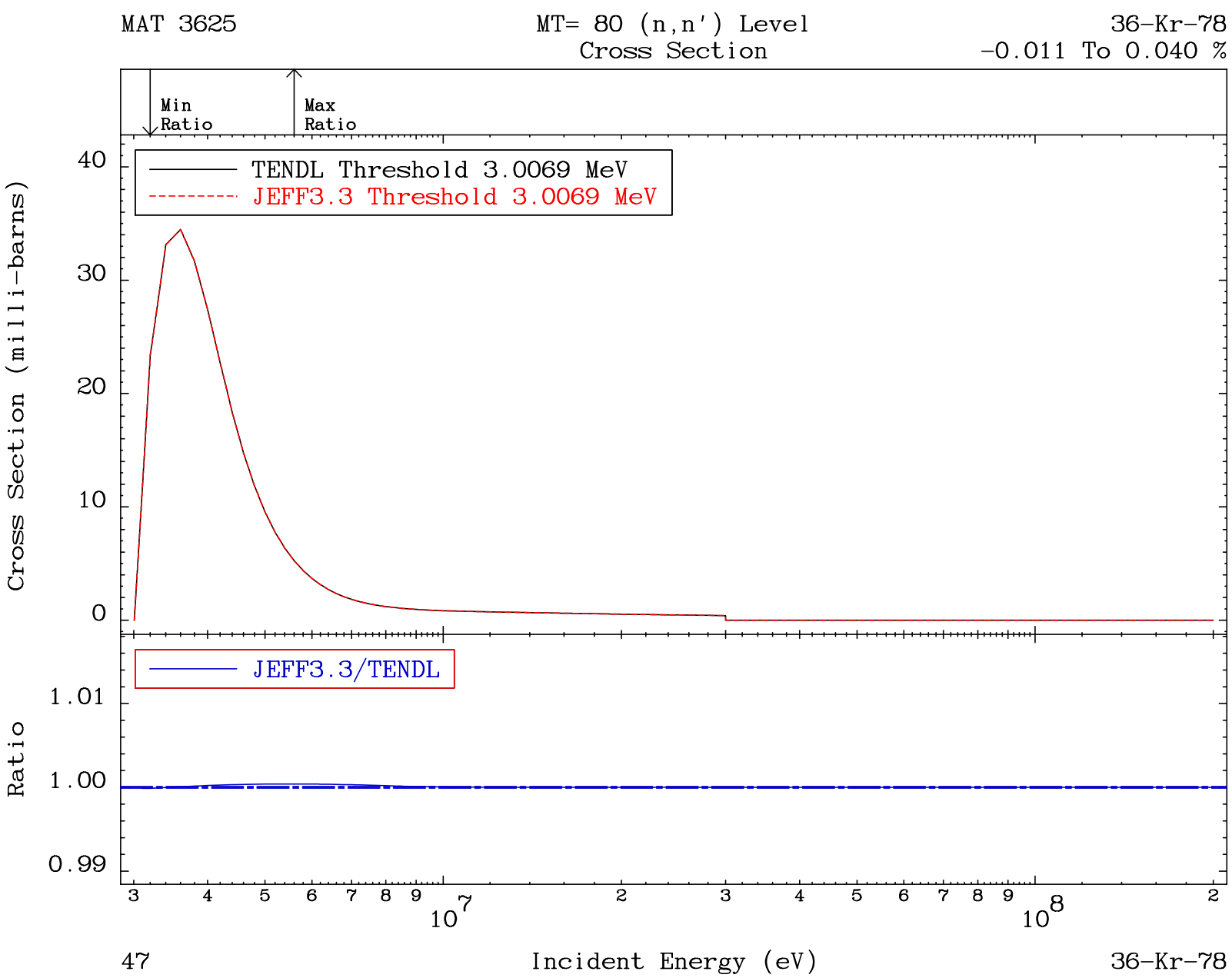

MAT 3625
MT= 75 (n,n') Level
Cross Section
36-Kr-78
-0.021 To 0.915 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7999 MeV
JEFF3.3 Threshold 2.7999 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
42
Incident Energy (eV)
36-Kr-78

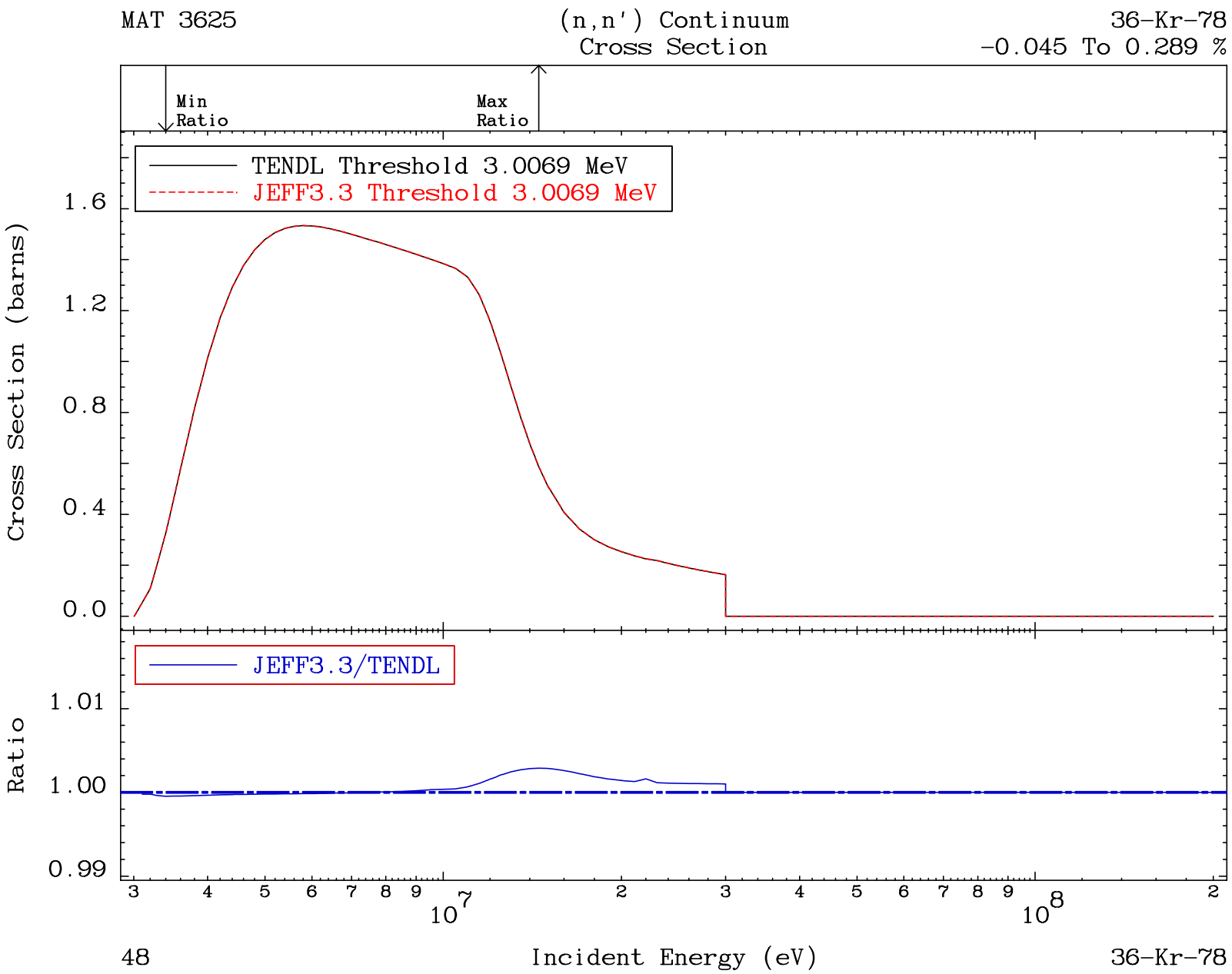

MAT 3625
MT= 76 (n,n') Level
Cross Section
36-Kr-78
-0.019 To 0.051 %
Min Ratio
Max Ratio
TENDL Threshold 2.9194 MeV
JEFF3.3 Threshold 2.9194 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
36-Kr-78

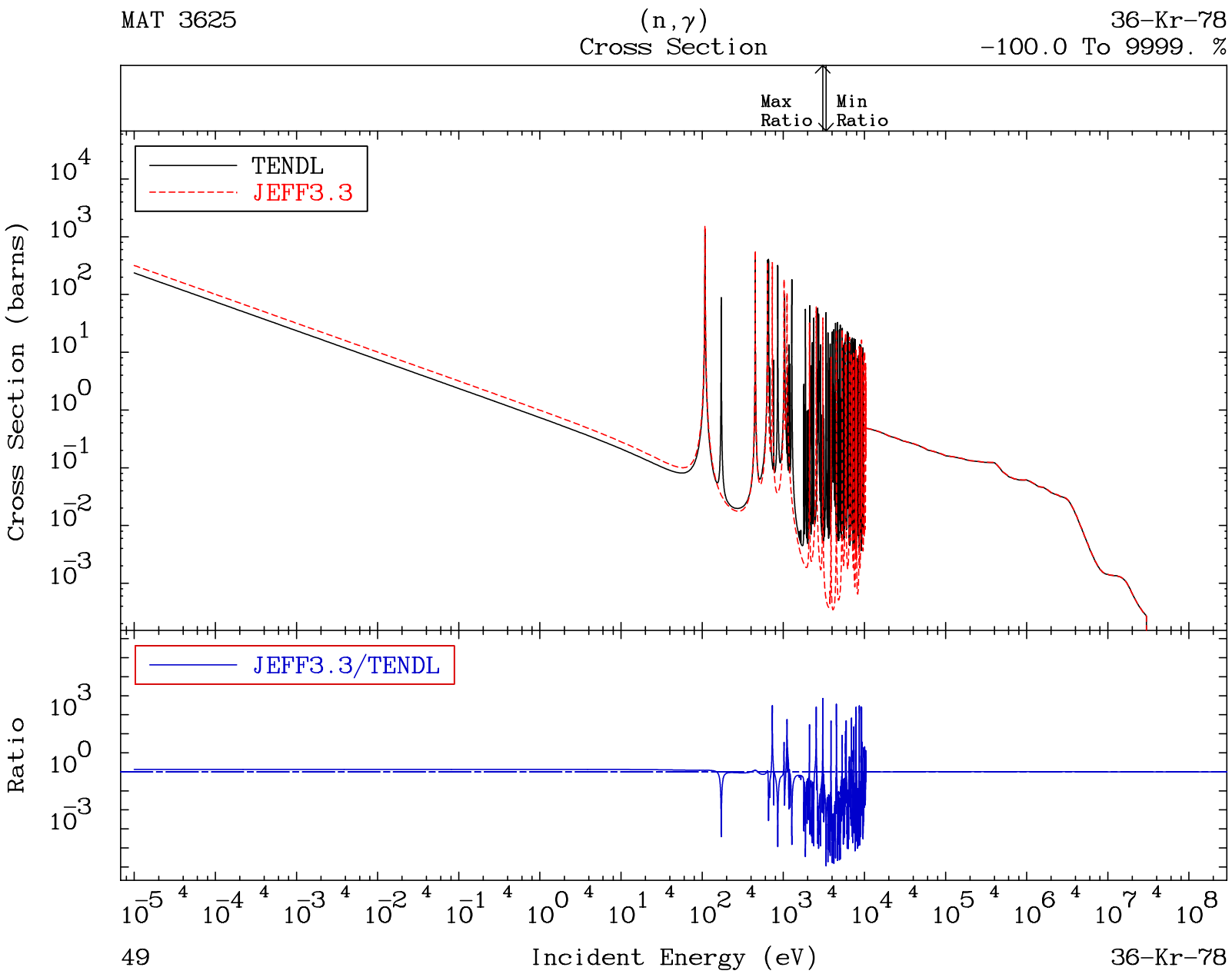

MAT 3625
MT= 77 (n,n') Level
Cross Section
36-Kr-78
-0.013 To 0.910 %
Min Ratio
Max Ratio
TENDL Threshold 2.9241 MeV
JEFF3.3 Threshold 2.9241 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
36-Kr-78

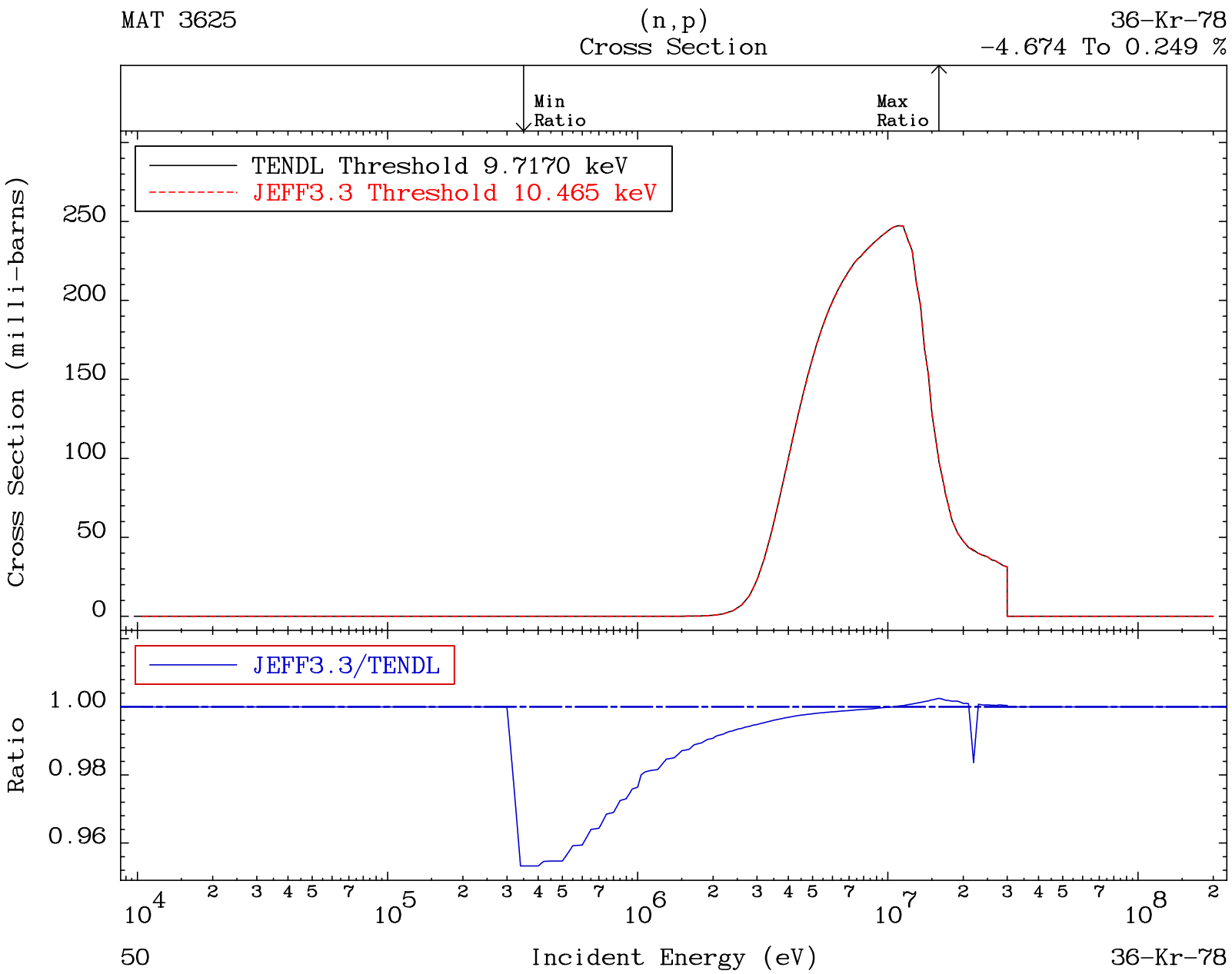

MAT 3625
MT= 78 (n,n') Level
Cross Section
36-Kr-78
-0.020 To 0.915 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9281 MeV
JEFF3.3 Threshold 2.9281 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
45
Incident Energy (eV)
36-Kr-78

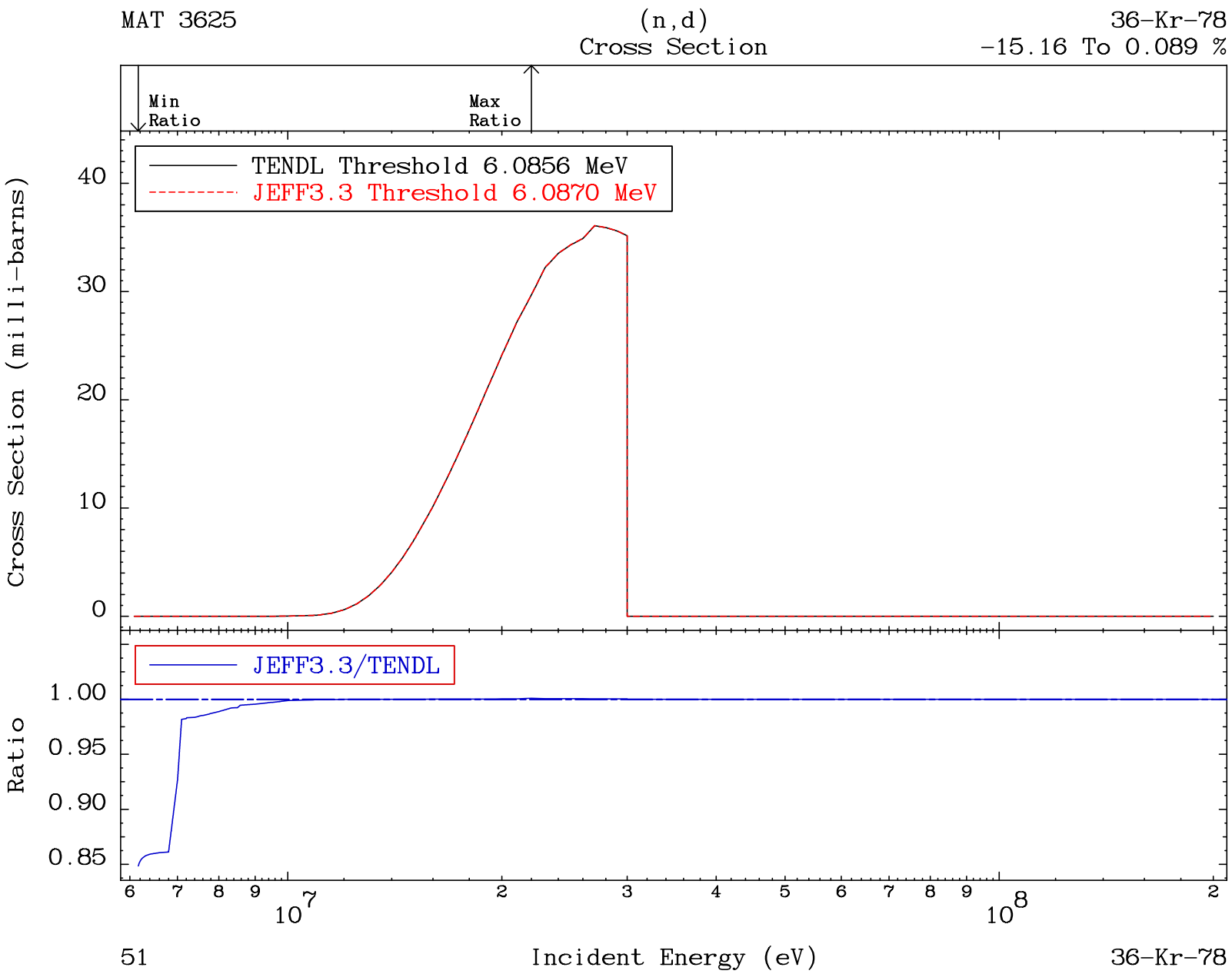

MAT 3625
MT= 79 (n,n') Level
Cross Section
36-Kr-78
-0.017 To 0.040 %
Min Ratio
Max Ratio
TENDL Threshold 2.9394 MeV
JEFF3.3 Threshold 2.9394 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
46
36-Kr-78

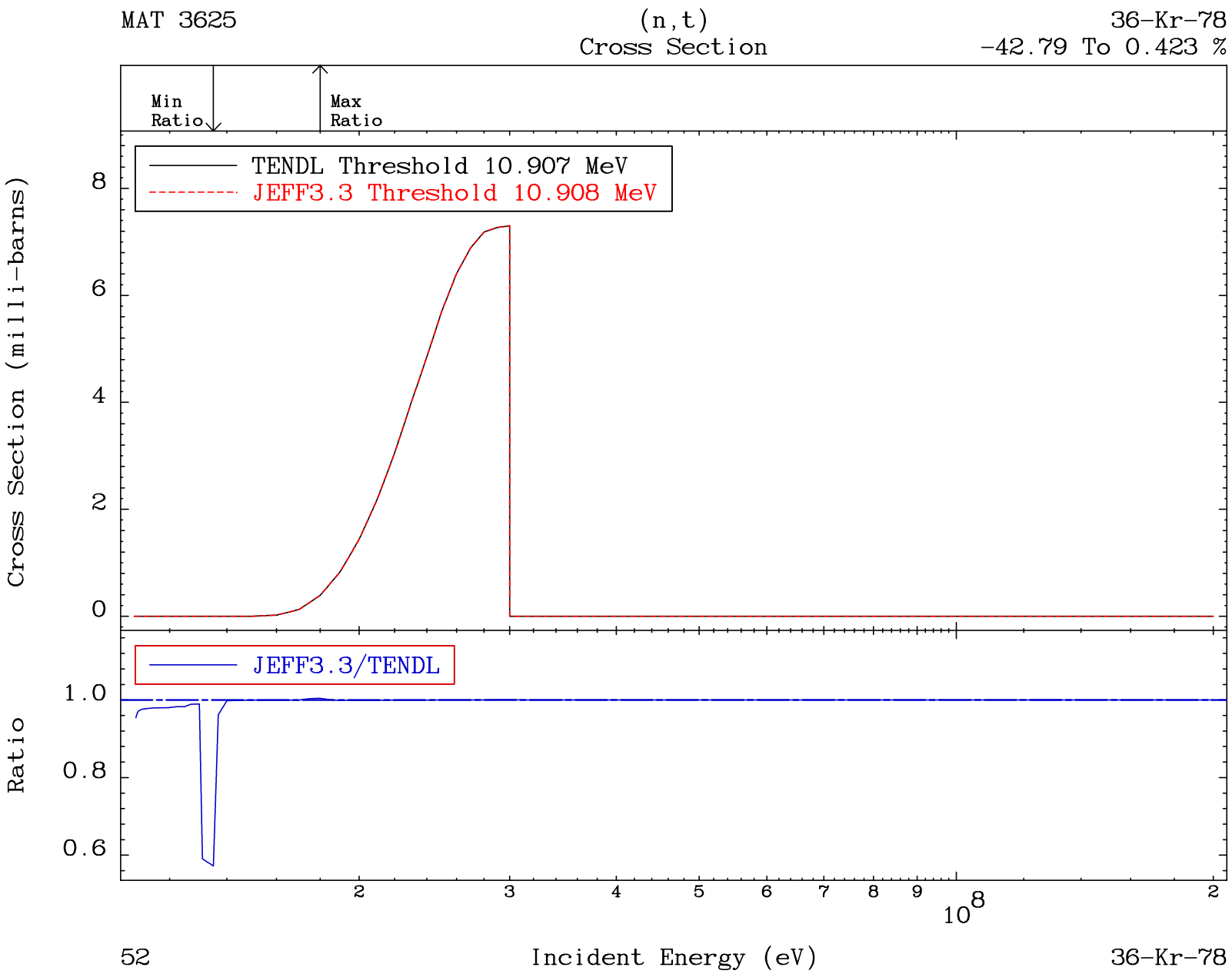

MAT 3625
MT= 80 (n,n') Level
Cross Section
36-Kr-78
-0.011 To 0.040 %
Min Ratio
Max Ratio
TENDL Threshold 3.0069 MeV
JEFF3.3 Threshold 3.0069 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
47
Incident Energy (eV)
36-Kr-78

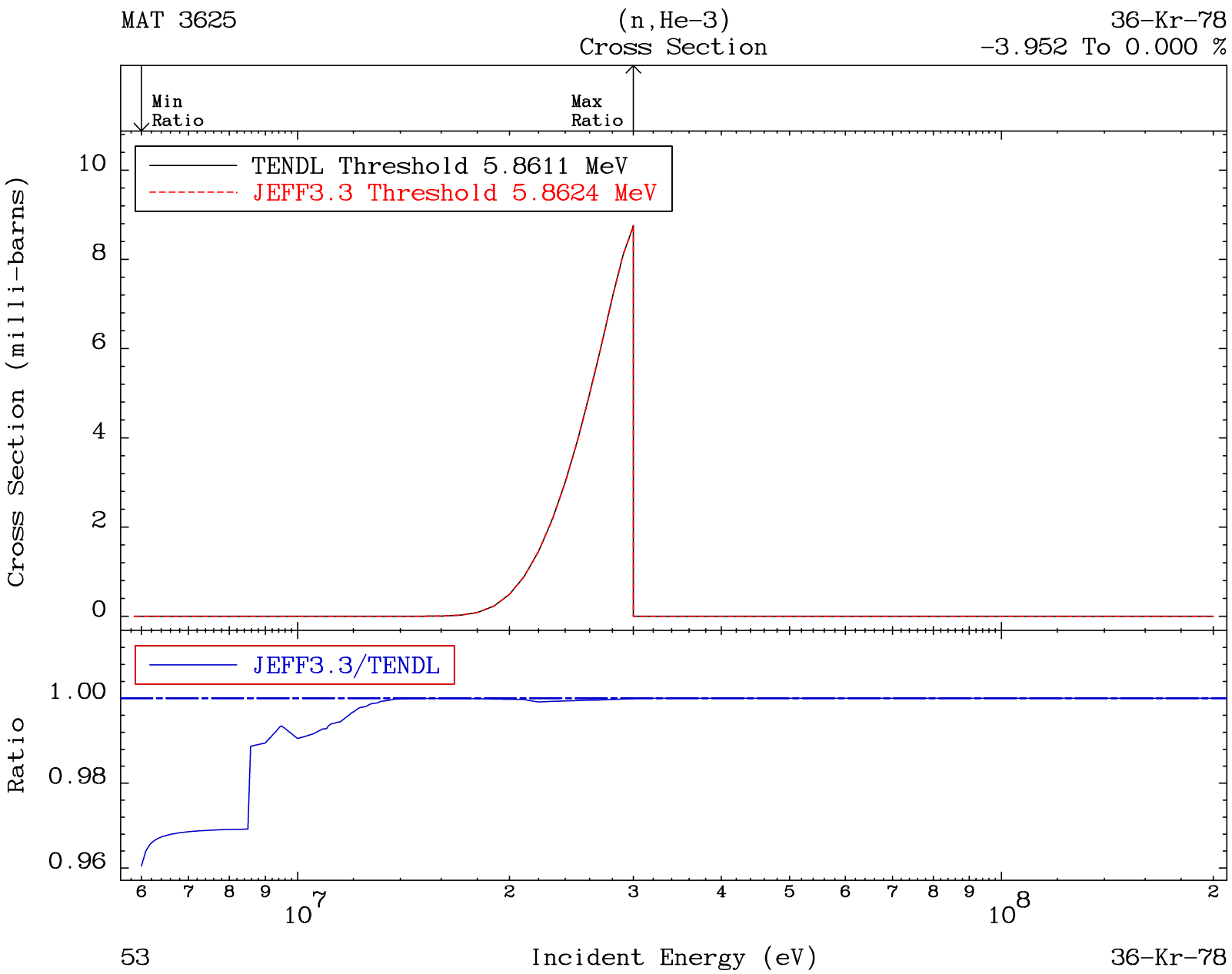

MAT 3625
(n,n') Continuum
Cross Section
36-Kr-78
-0.045 To 0.289 %
Min Ratio
Max Ratio
TENDL Threshold 3.0069 MeV
JEFF3.3 Threshold 3.0069 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
48
Incident Energy (eV)
36-Kr-78

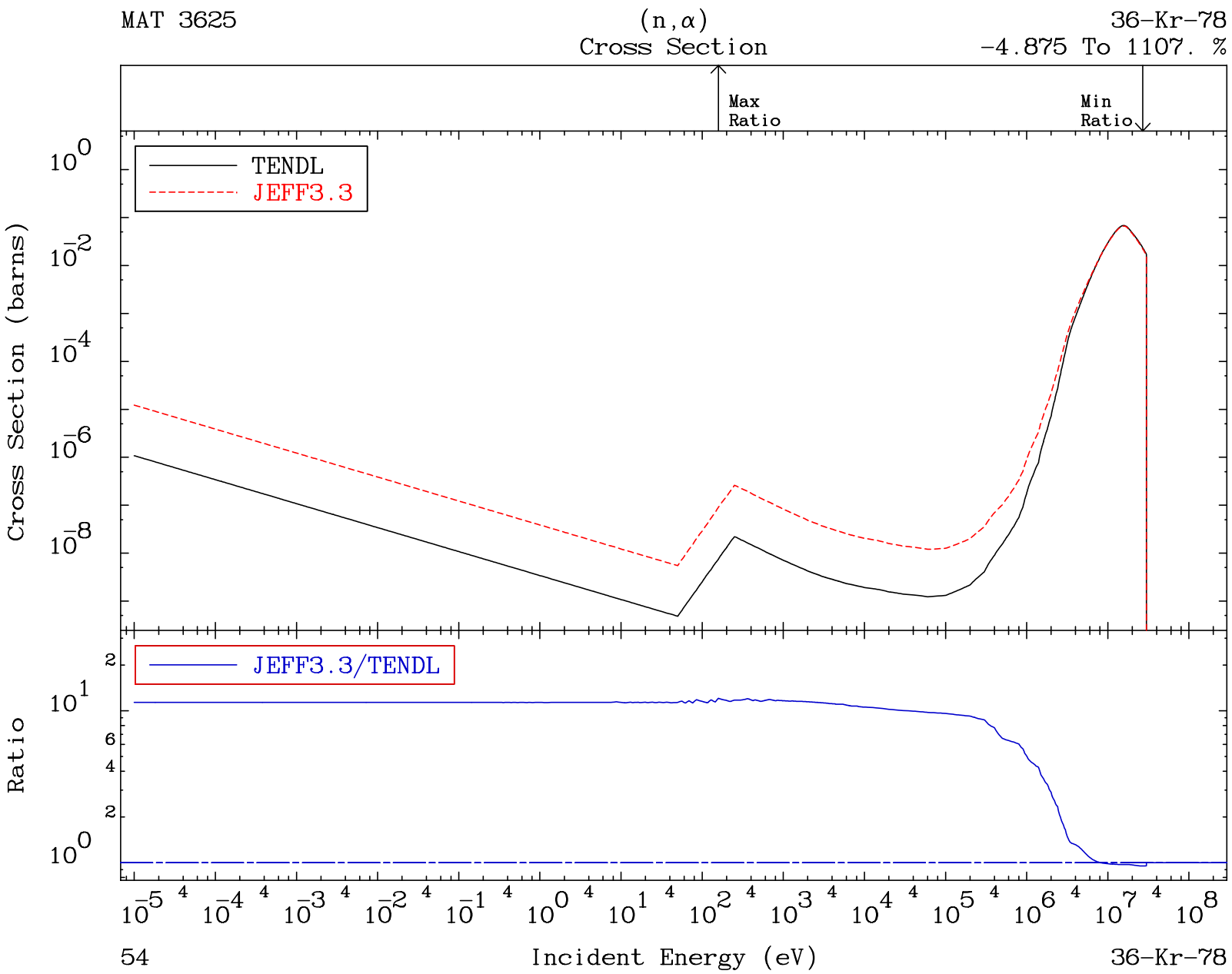

MAT 3625
(n,γ)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
49
36-Kr-78

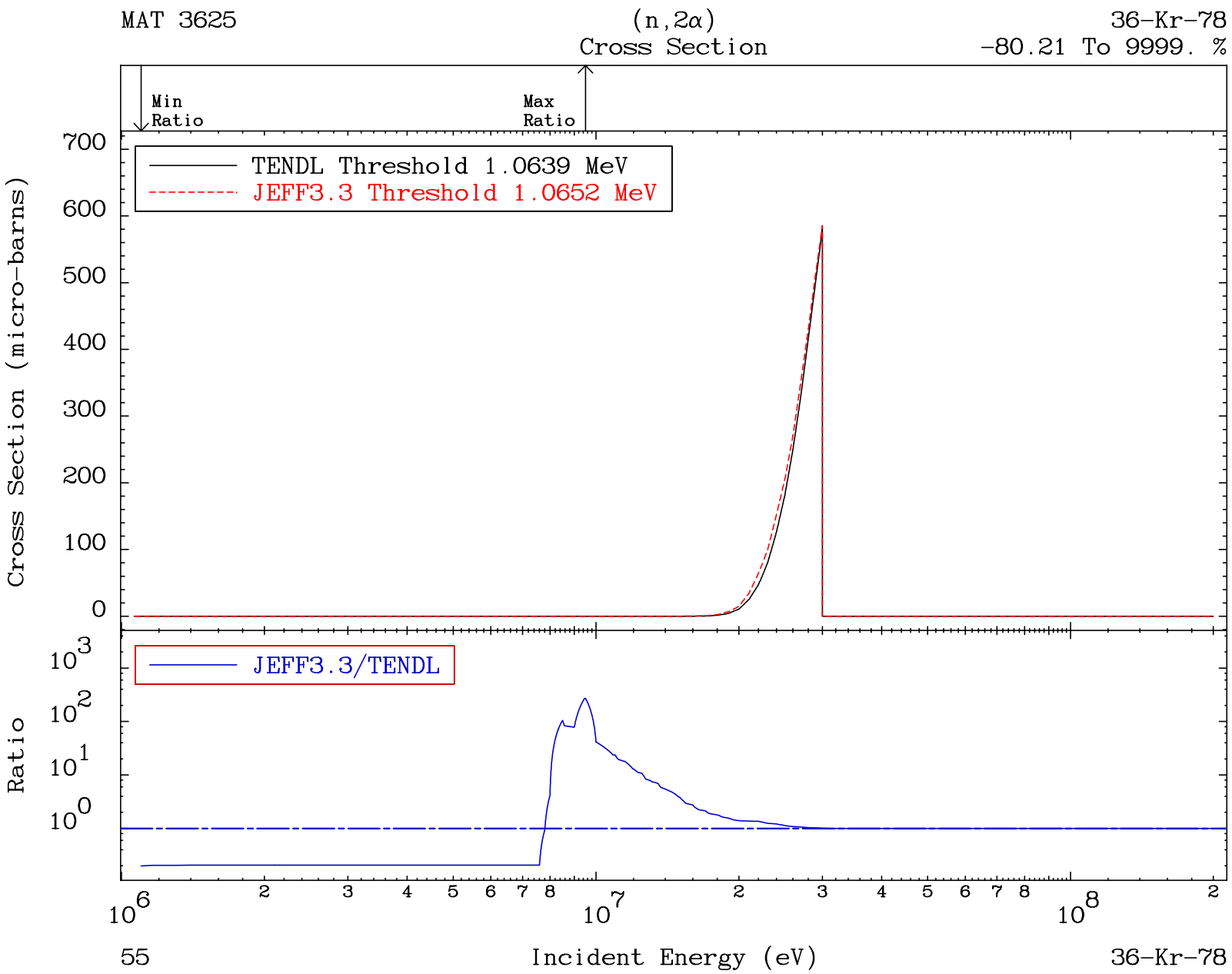

MAT 3625
(n,p)
Cross Section
36-Kr-78
-4.674 To 0.249 %
Min Ratio
Max Ratio
TENDL Threshold 9.7170 keV
JEFF3.3 Threshold 10.465 keV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
10^4
10^5
10^6
10^7
10^8
Incident Energy (eV)
50
36-Kr-78

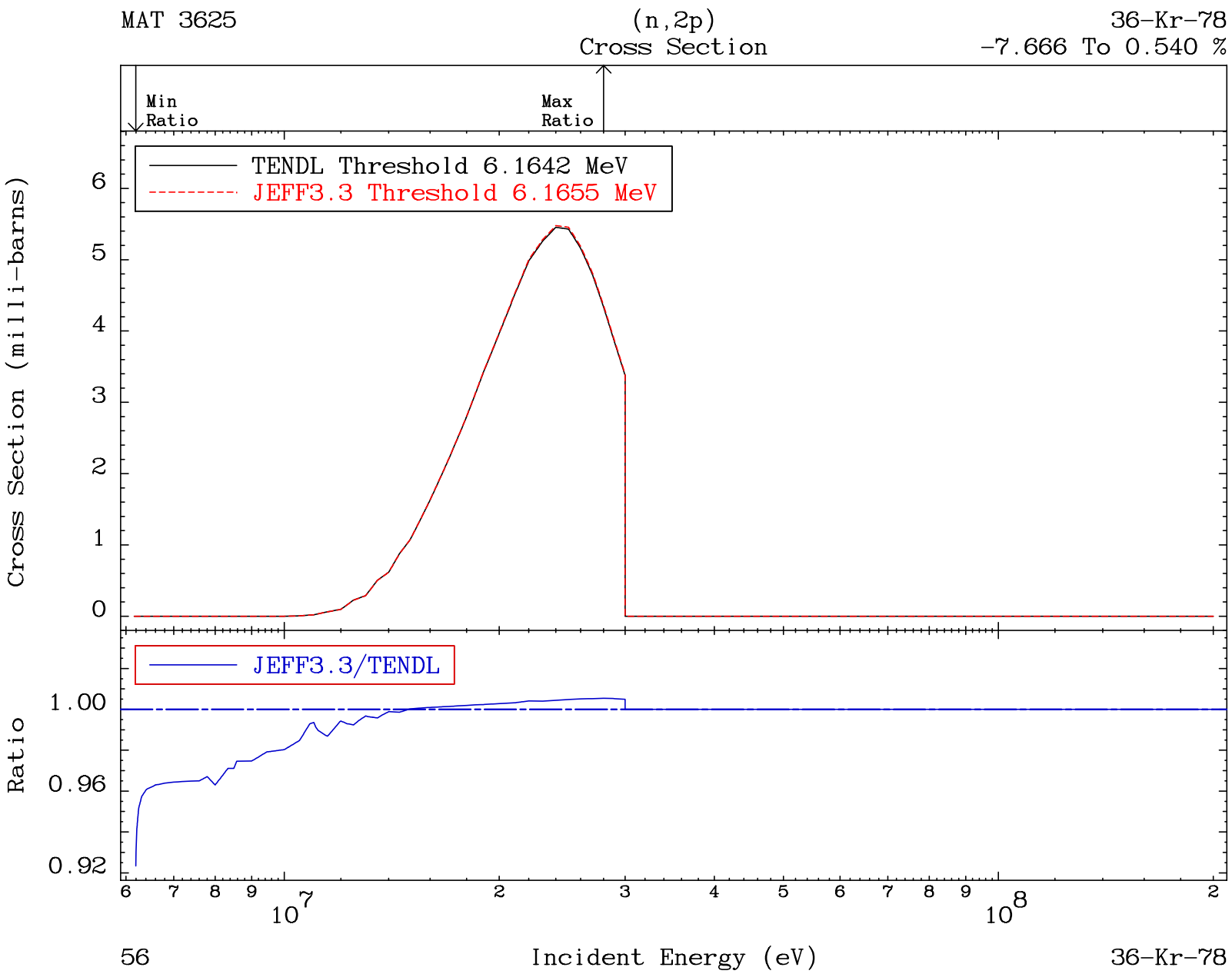

MAT 3625
(n,d)
Cross Section
36-Kr-78
-15.16 To 0.089 %
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.00
0.95
0.90
0.85
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
51
Incident Energy (eV)
36-Kr-78

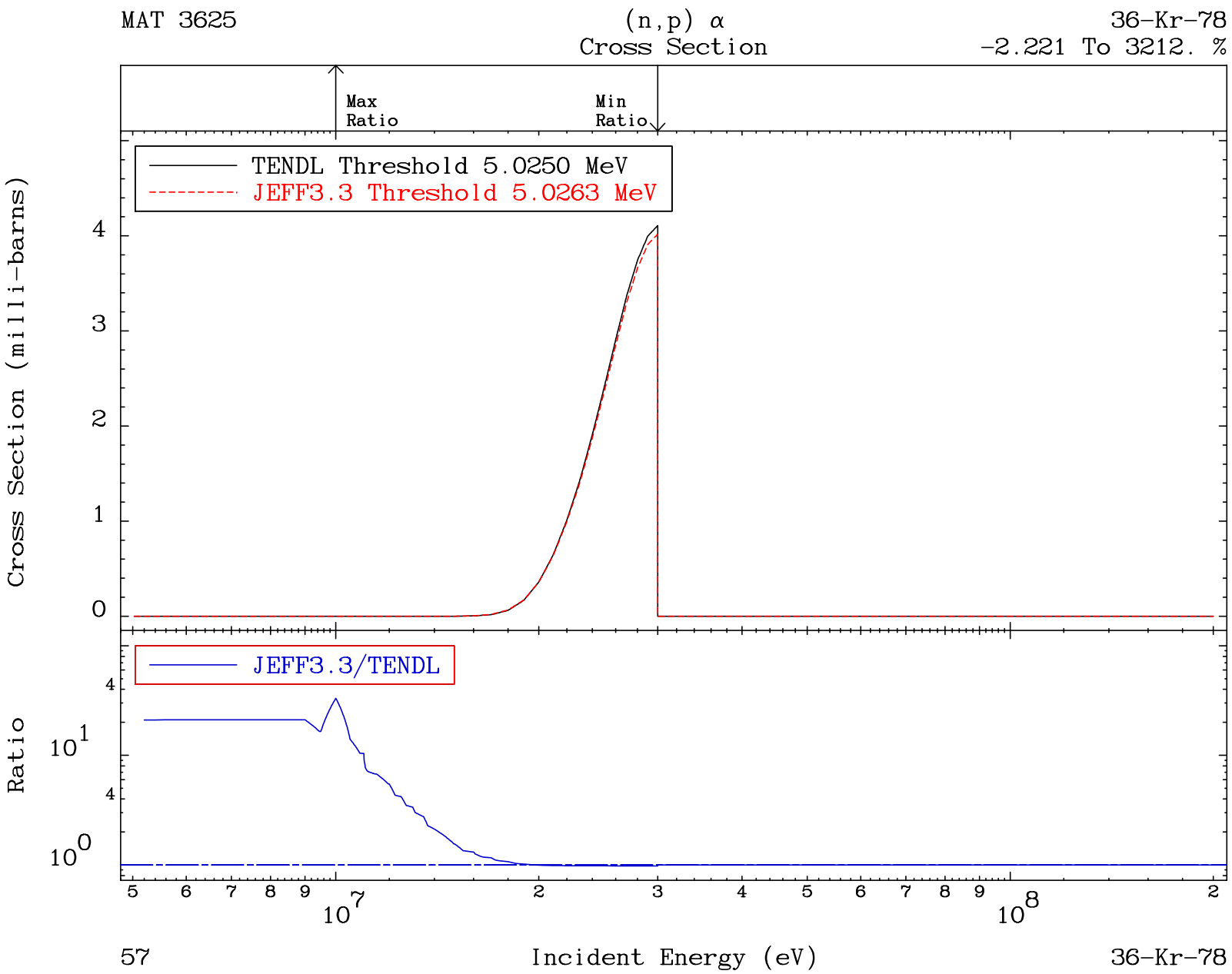

MAT 3625
(n,t)
Cross Section
36-Kr-78
-42.79 To 0.423 %
Min Ratio
Max Ratio
TENDL Threshold 10.907 MeV
JEFF3.3 Threshold 10.908 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.6
0.8
1.0
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
36-Kr-78

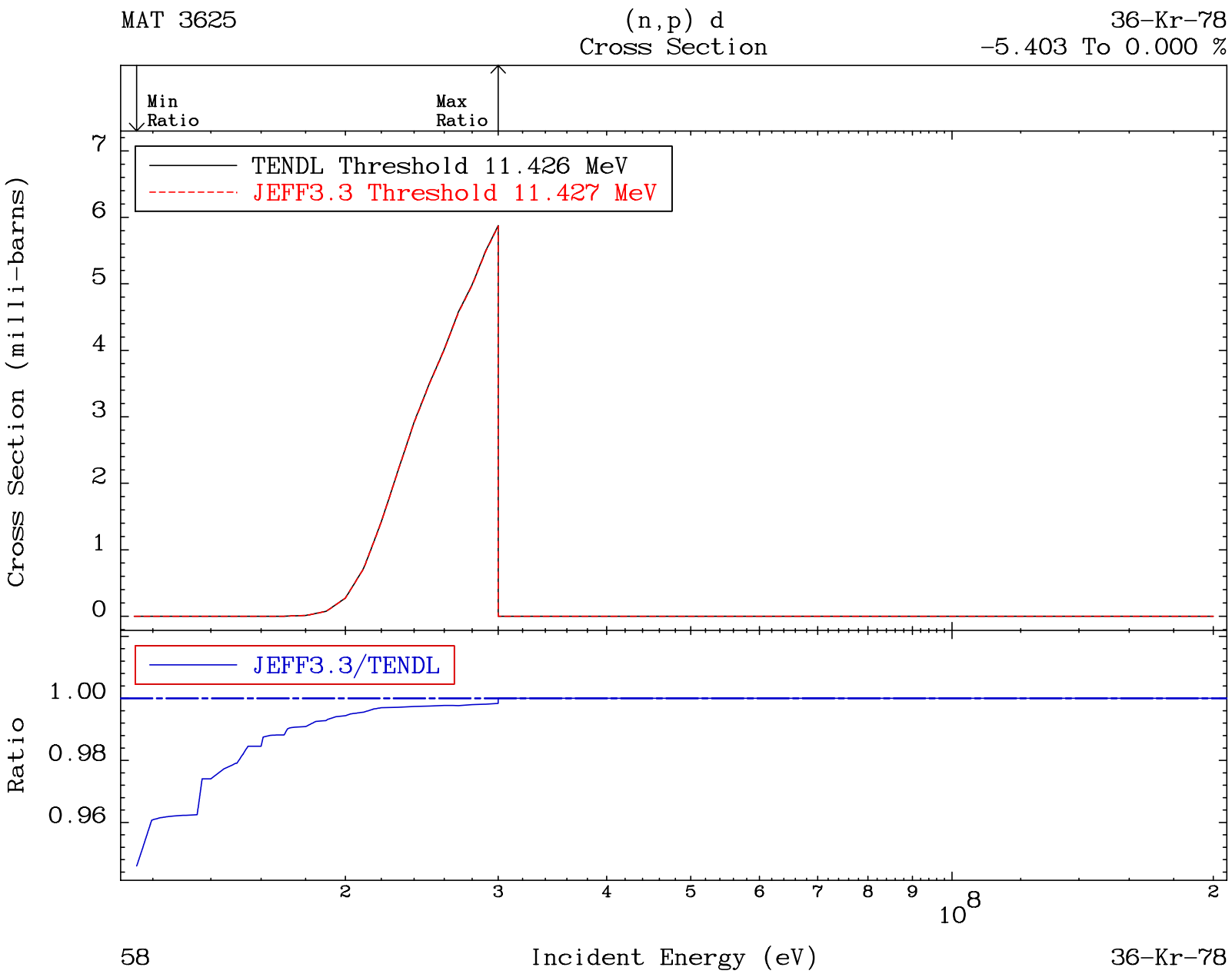

MAT 3625
(n,He-3)
Cross Section
36-Kr-78
-3.952 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.8611 MeV
JEFF3.3 Threshold 5.8624 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
53
36-Kr-78

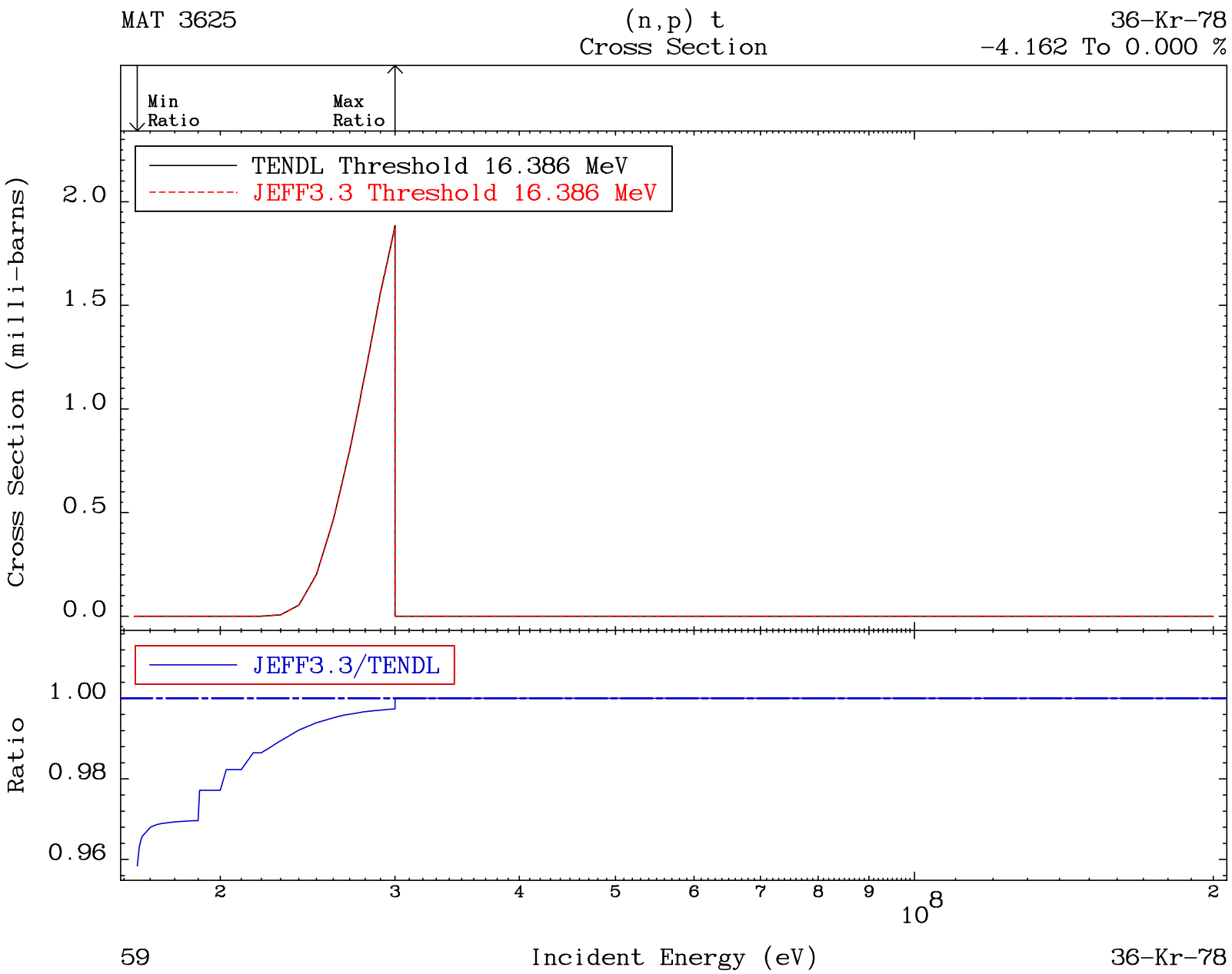

MAT 3625
(n,α)
Cross Section
36-Kr-78
-4.875 To 1107. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
54
36-Kr-78

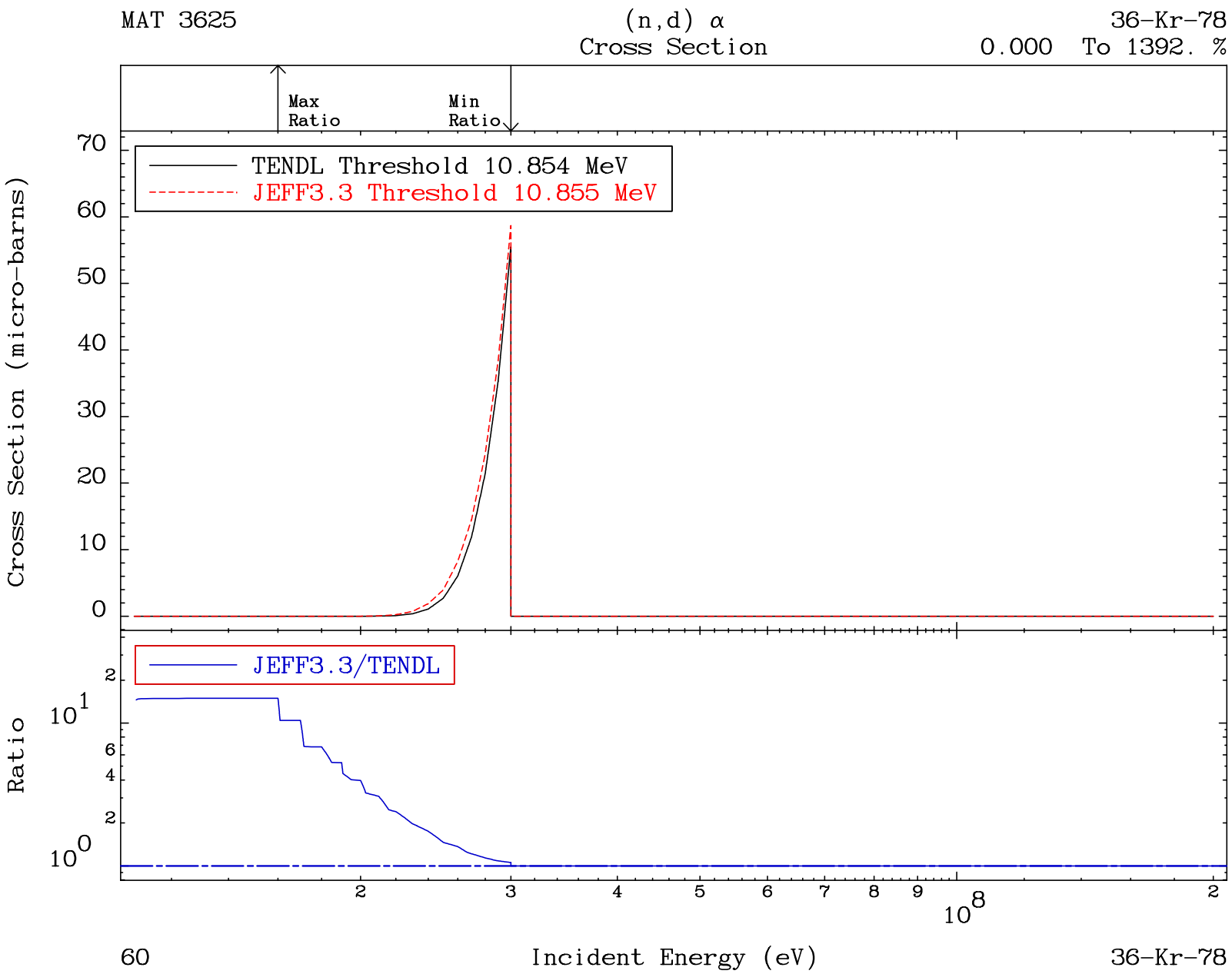

MAT 3625
(n,2α)
Cross Section
36-Kr-78
-80.21 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0639 MeV
JEFF3.3 Threshold 1.0652 MeV
Cross Section (micro-barns)
700
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
55
Incident Energy (eV)
36-Kr-78

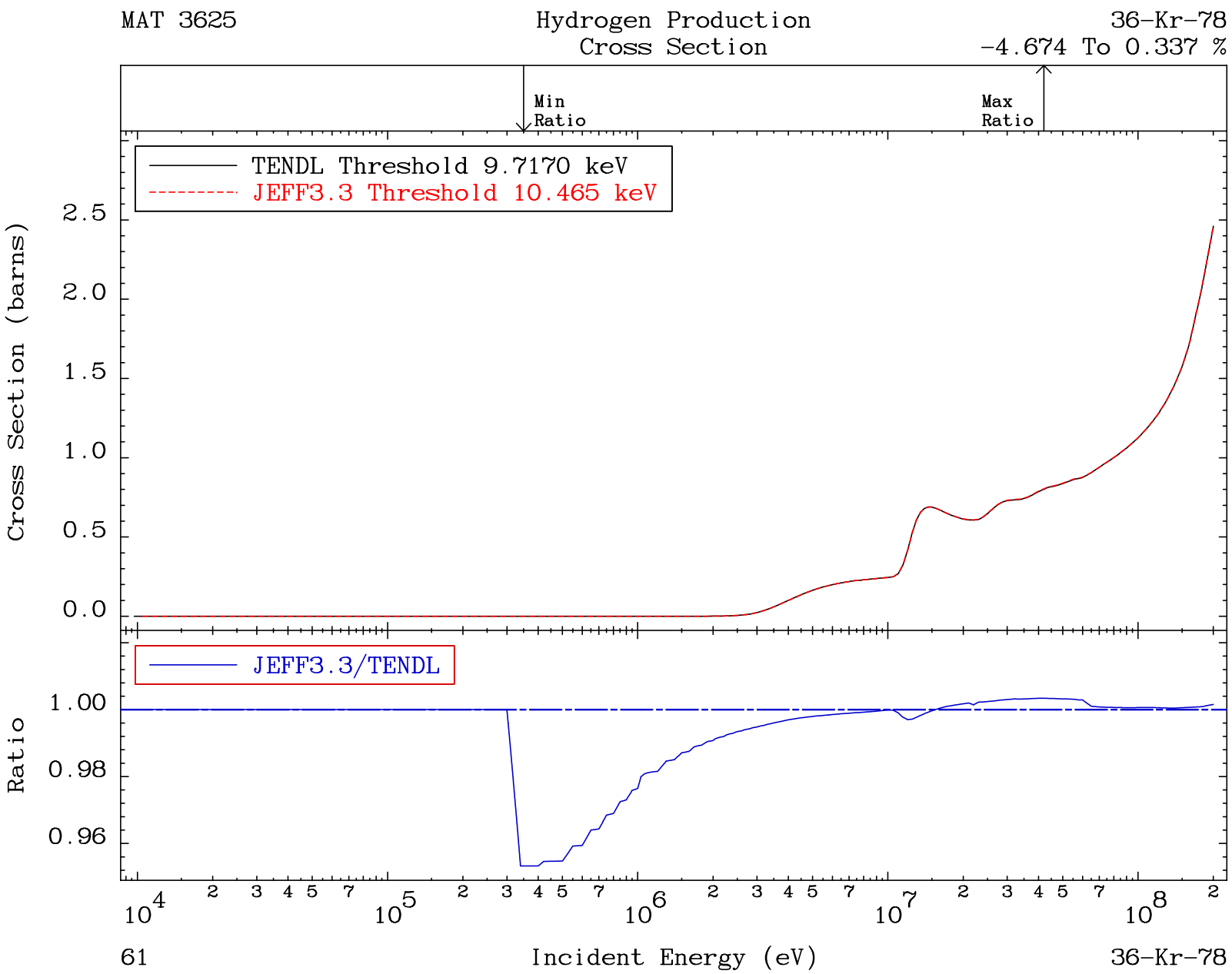

MAT 3625
(n,2p)
Cross Section
36-Kr-78
-7.666 To 0.540 %
Min Ratio
Max Ratio
TENDL Threshold 6.1642 MeV
JEFF3.3 Threshold 6.1655 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
56
36-Kr-78

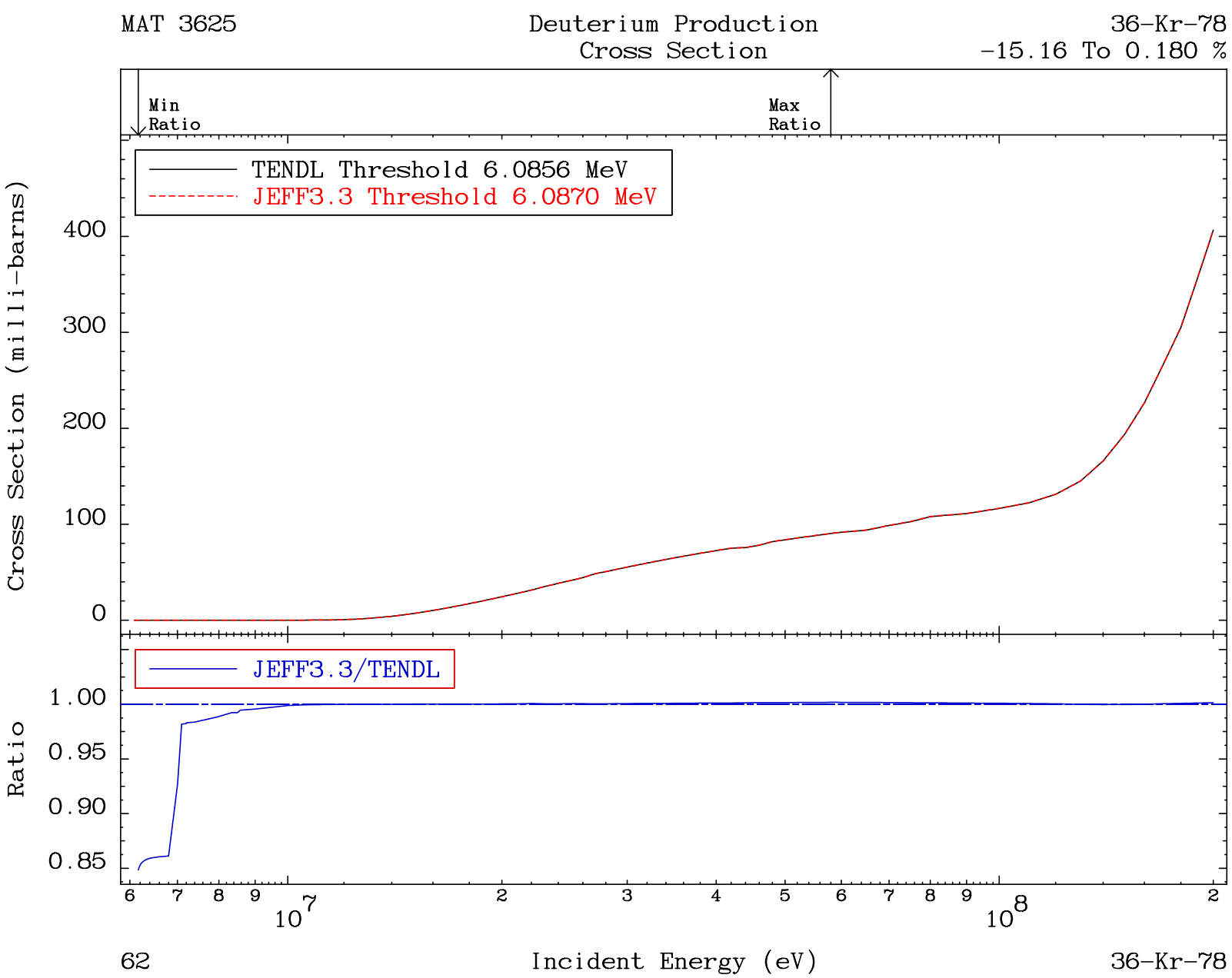

MAT 3625
(n,p) α
Cross Section
36-Kr-78
-2.221 To 3212. %
Max Ratio
Min Ratio
TENDL Threshold 5.0250 MeV
JEFF3.3 Threshold 5.0263 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
36-Kr-78

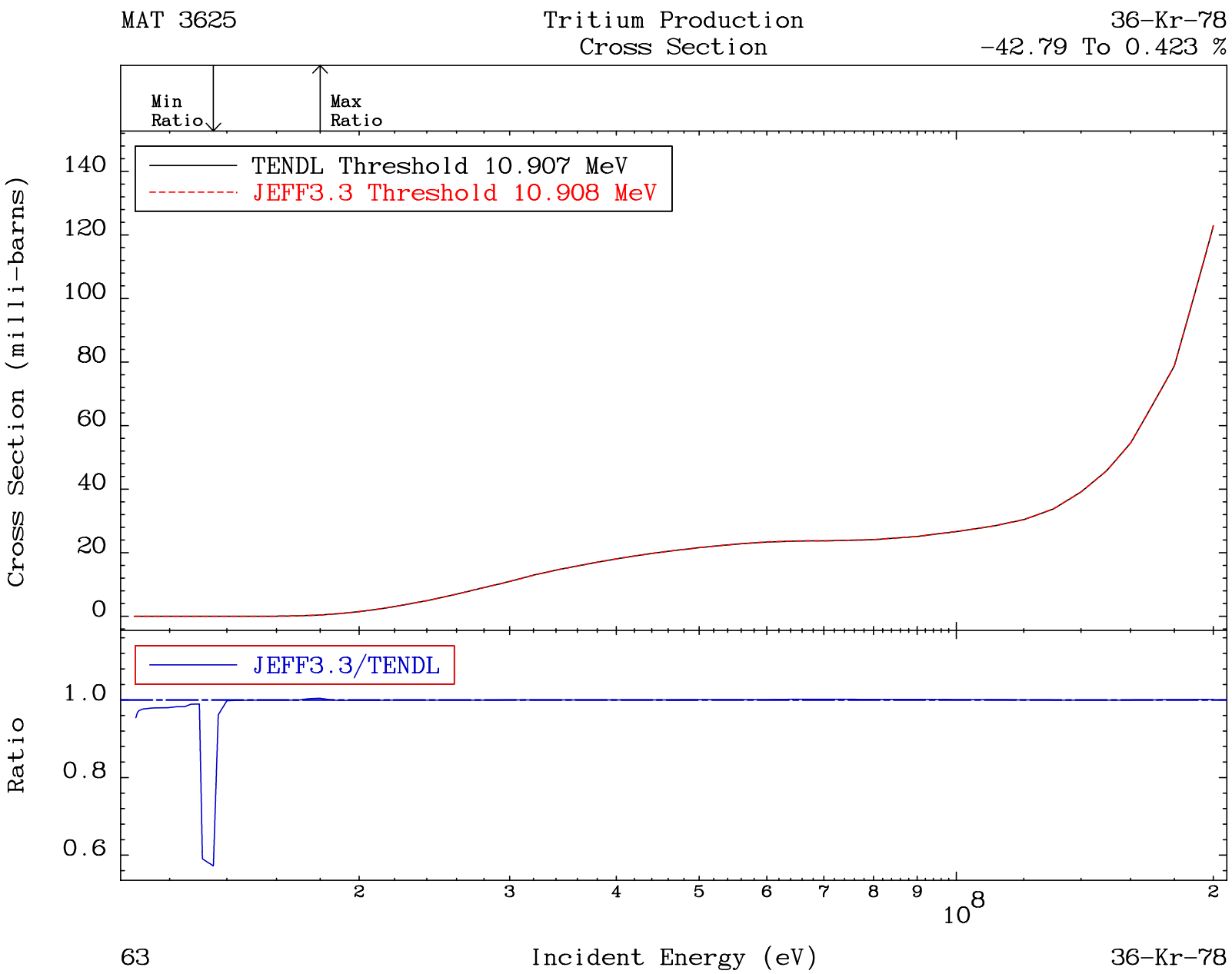

MAT 3625
(n,p) d
Cross Section
36-Kr-78
-5.403 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 11.426 MeV
JEFF3.3 Threshold 11.427 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
36-Kr-78

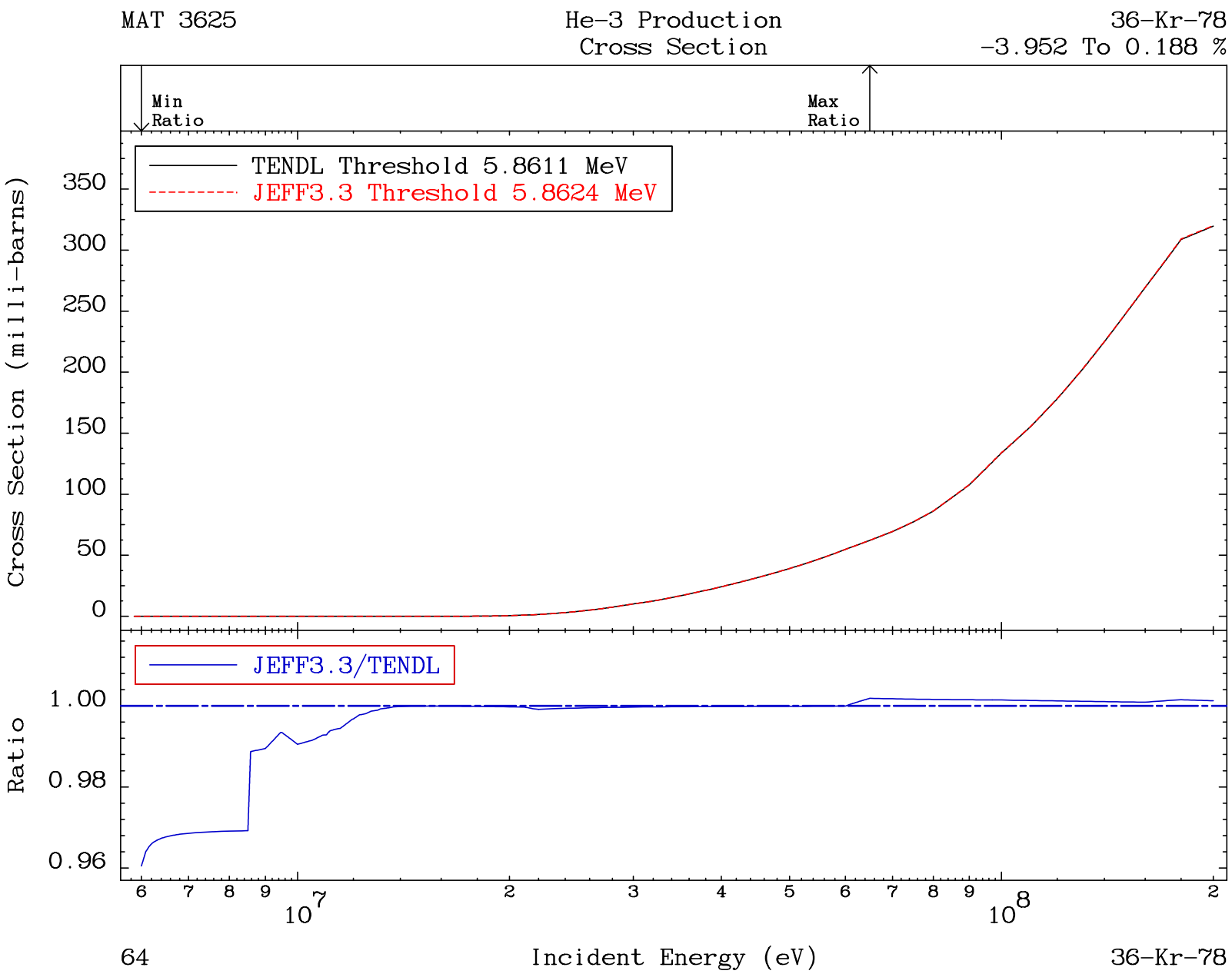

MAT 3625
(n,p) t
Cross Section
36-Kr-78
-4.162 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.386 MeV
JEFF3.3 Threshold 16.386 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
36-Kr-78

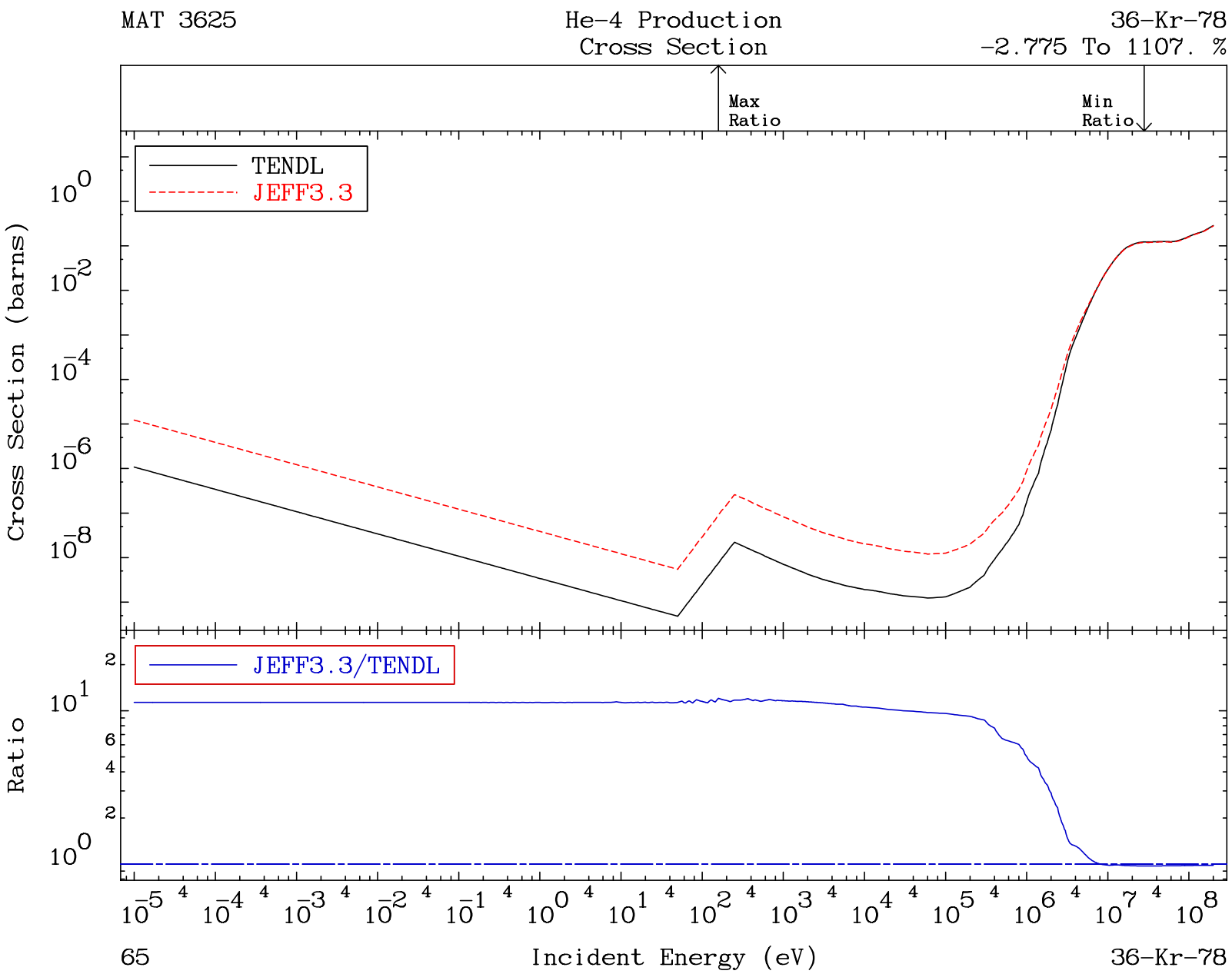

MAT 3625
(n,d) α
Cross Section
36-Kr-78
0.000 To 1392. %
Max Ratio
Min Ratio
TENDL Threshold 10.854 MeV
JEFF3.3 Threshold 10.855 MeV
Cross Section (micro-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^1
10^0
2
6
4
2
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
36-Kr-78

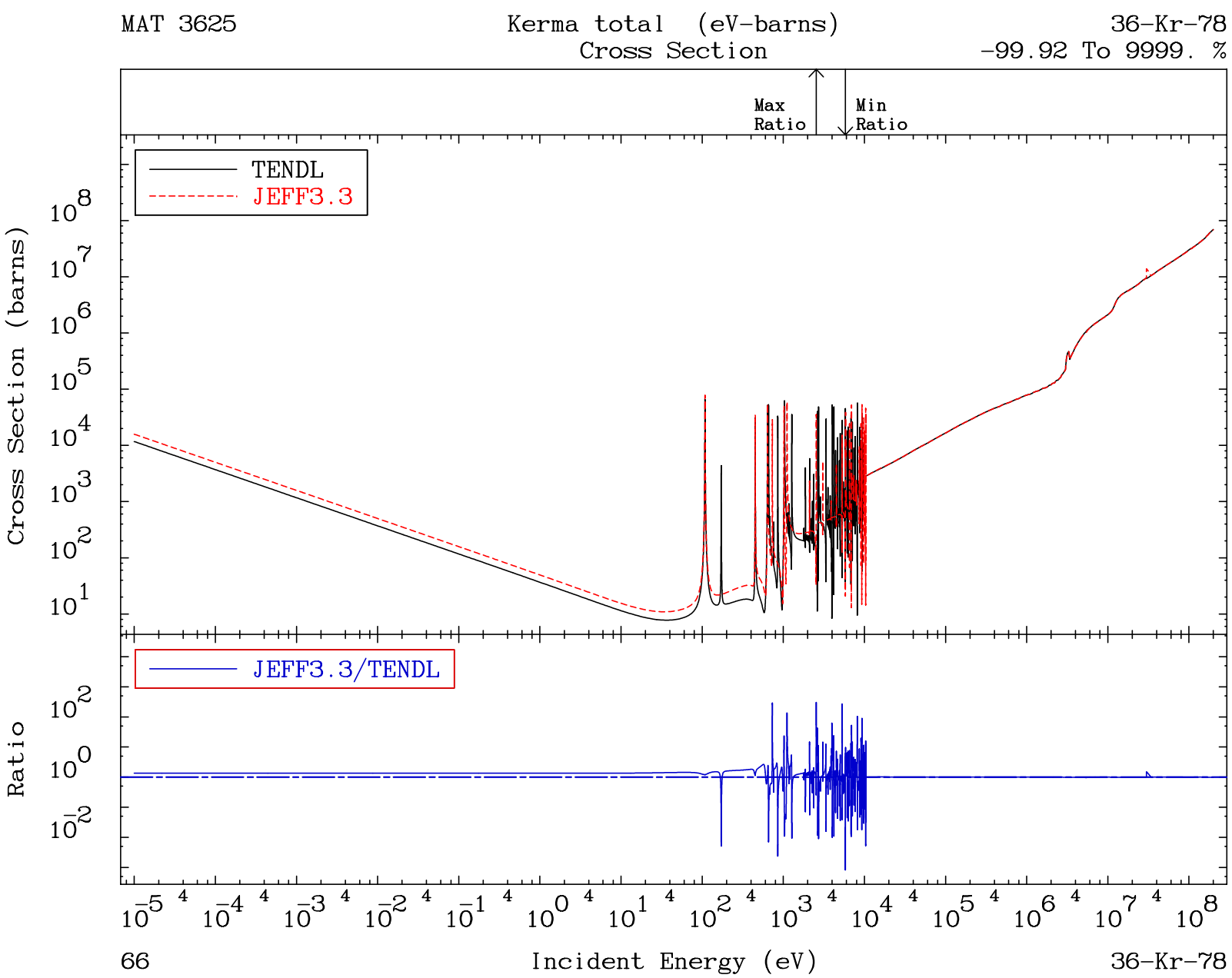

MAT 3625
Hydrogen Production
Cross Section
36-Kr-78
-4.674 To 0.337 %
Min Ratio
Max Ratio
TENDL Threshold 9.7170 keV
JEFF3.3 Threshold 10.465 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
10^4
10^5
10^6
10^7
10^8
61
Incident Energy (eV)
36-Kr-78

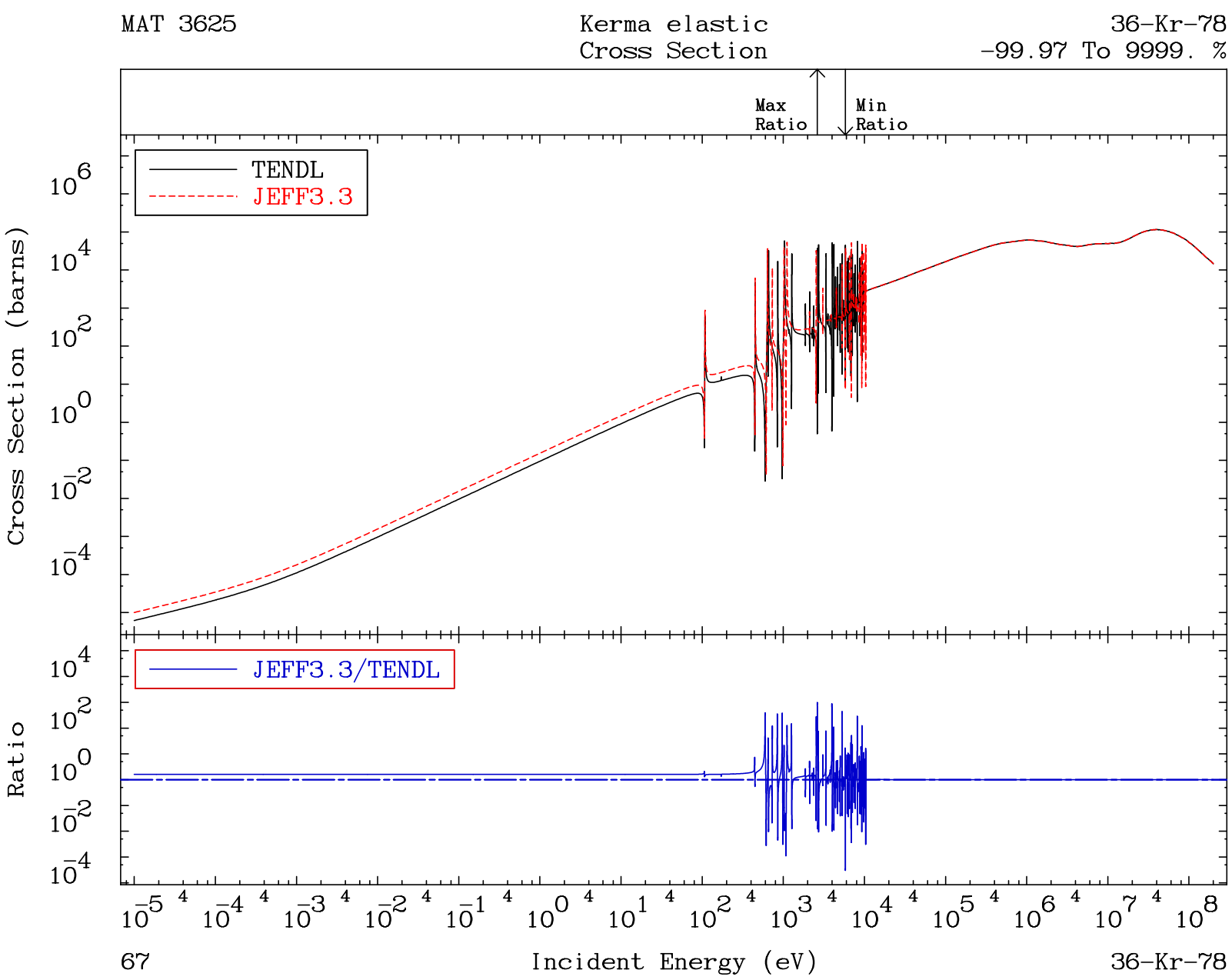

MAT 3625
Deuterium Production
Cross Section
36-Kr-78
-15.16 To 0.180 %
Min
Ratio
Max
Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.00
0.95
0.90
0.85
6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
62
Incident Energy (eV)
36-Kr-78

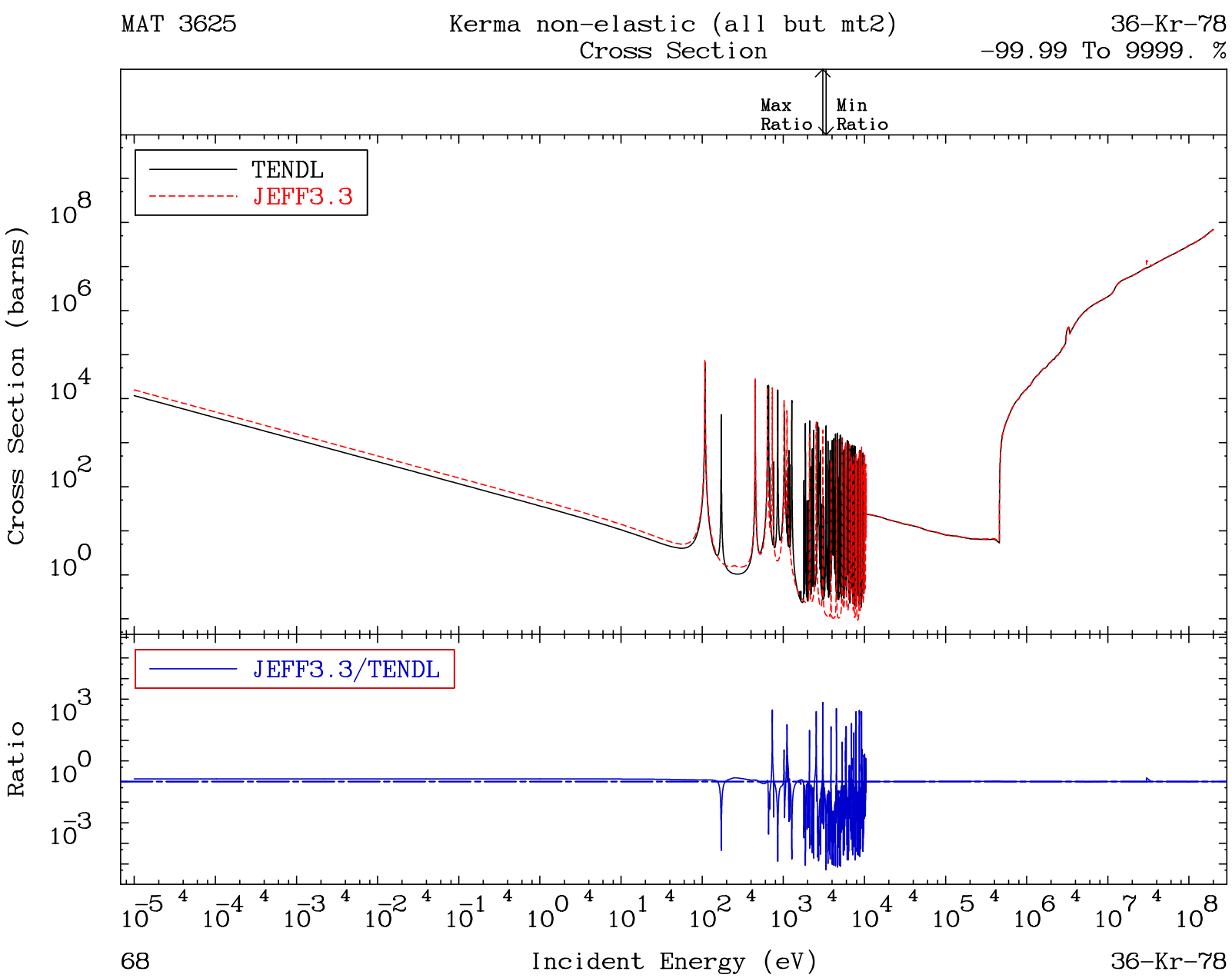

MAT 3625
Tritium Production
Cross Section
36-Kr-78
-42.79 To 0.423 %
Min Ratio
Max Ratio
TENDL Threshold 10.907 MeV
JEFF3.3 Threshold 10.908 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
36-Kr-78

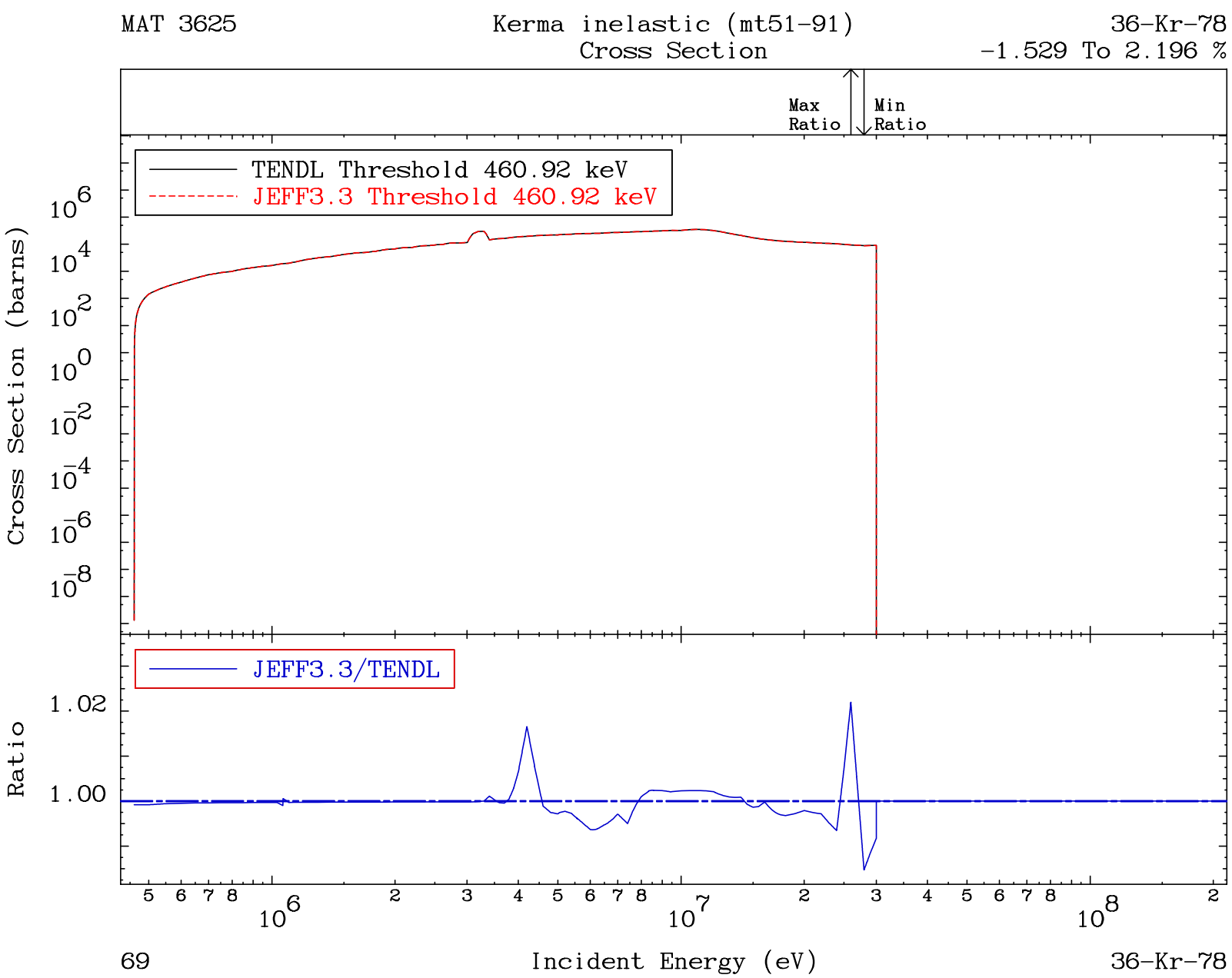

MAT 3625
He-3 Production
Cross Section
36-Kr-78
-3.952 To 0.188 %
Min Ratio
Max Ratio
TENDL Threshold 5.8611 MeV
JEFF3.3 Threshold 5.8624 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
36-Kr-78

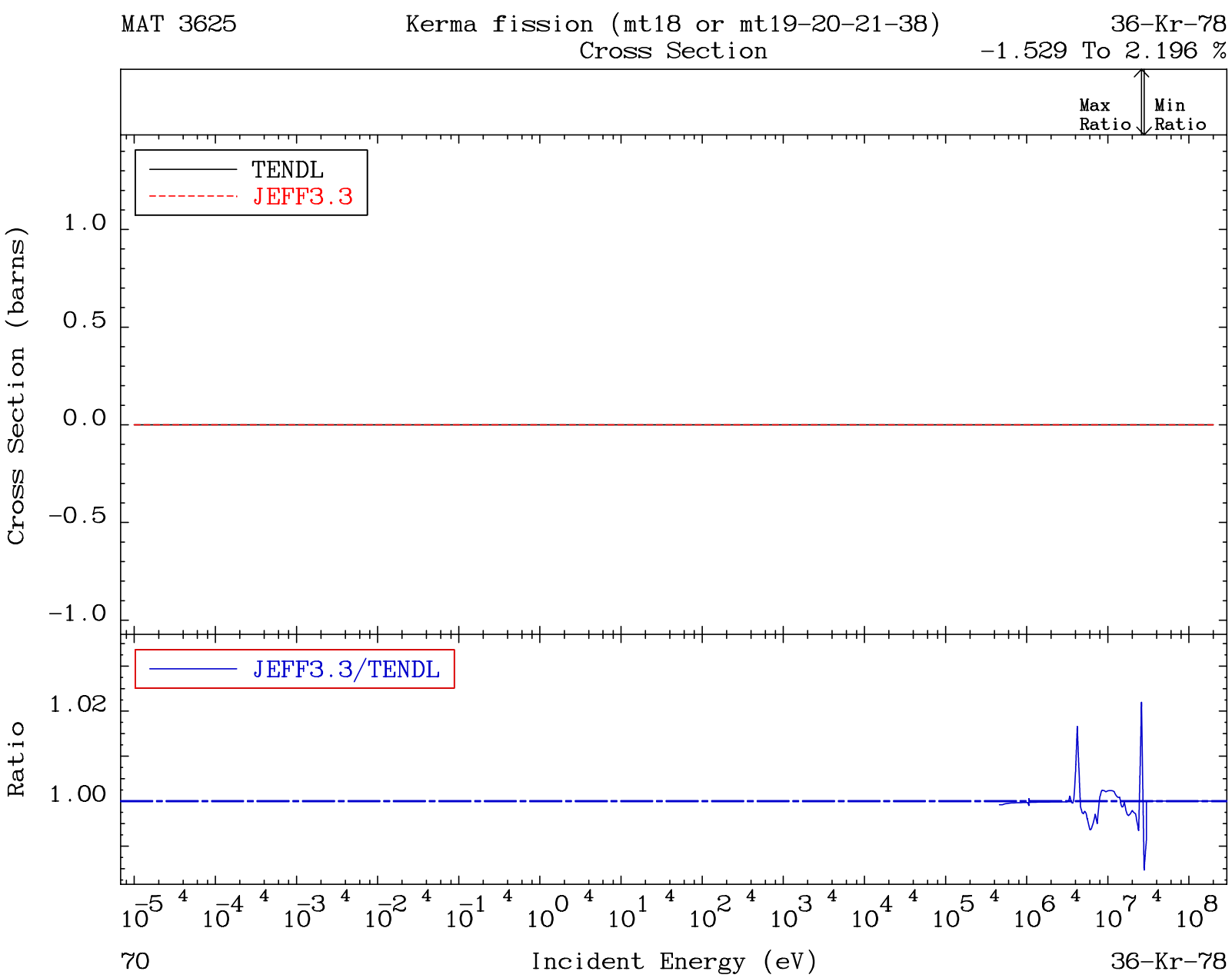

MAT 3625
He-4 Production
Cross Section
36-Kr-78
-2.775 To 1107. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
36-Kr-78

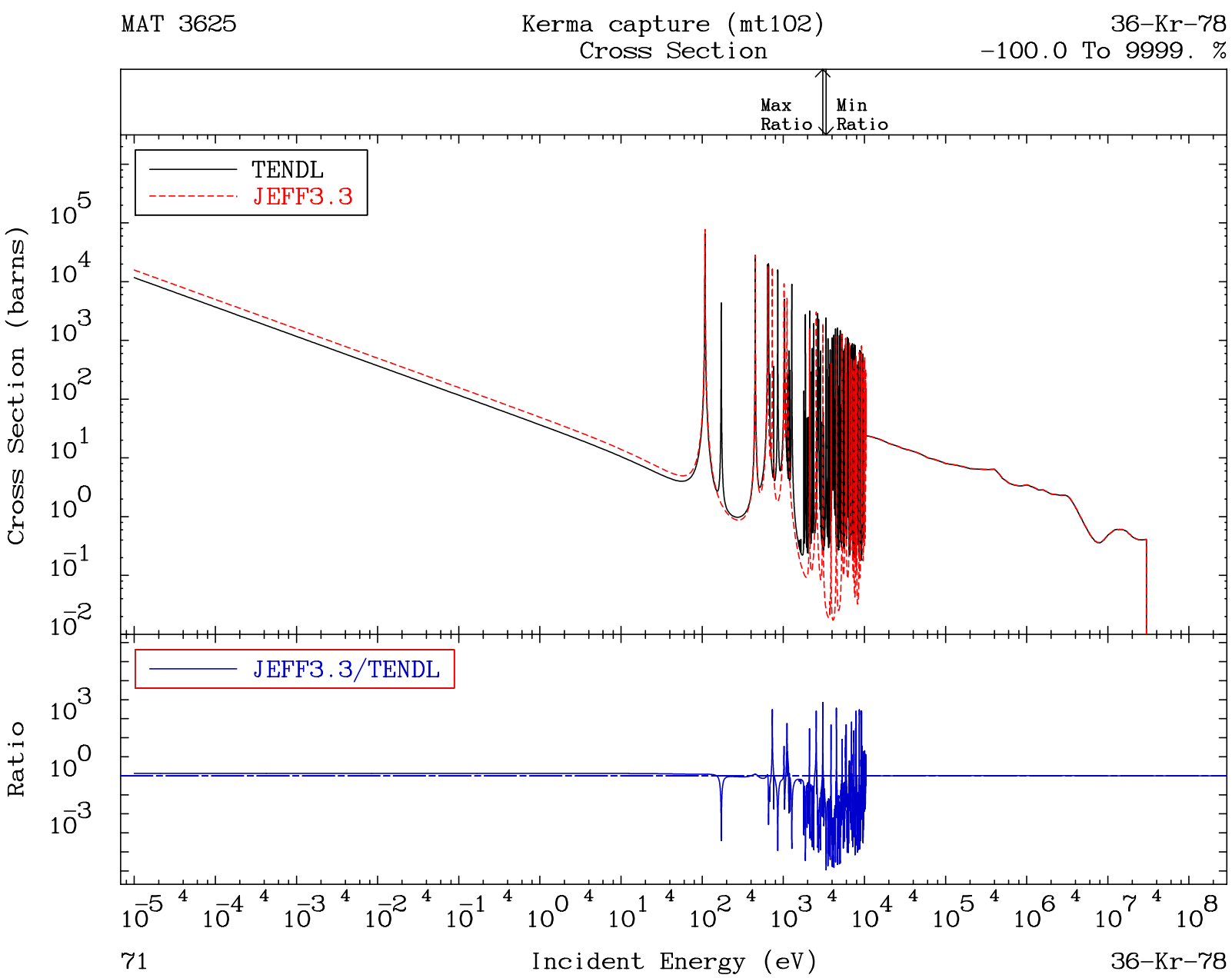

MAT 3625
Kerma total (eV-barns)
Cross Section
36-Kr-78
-99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
36-Kr-78

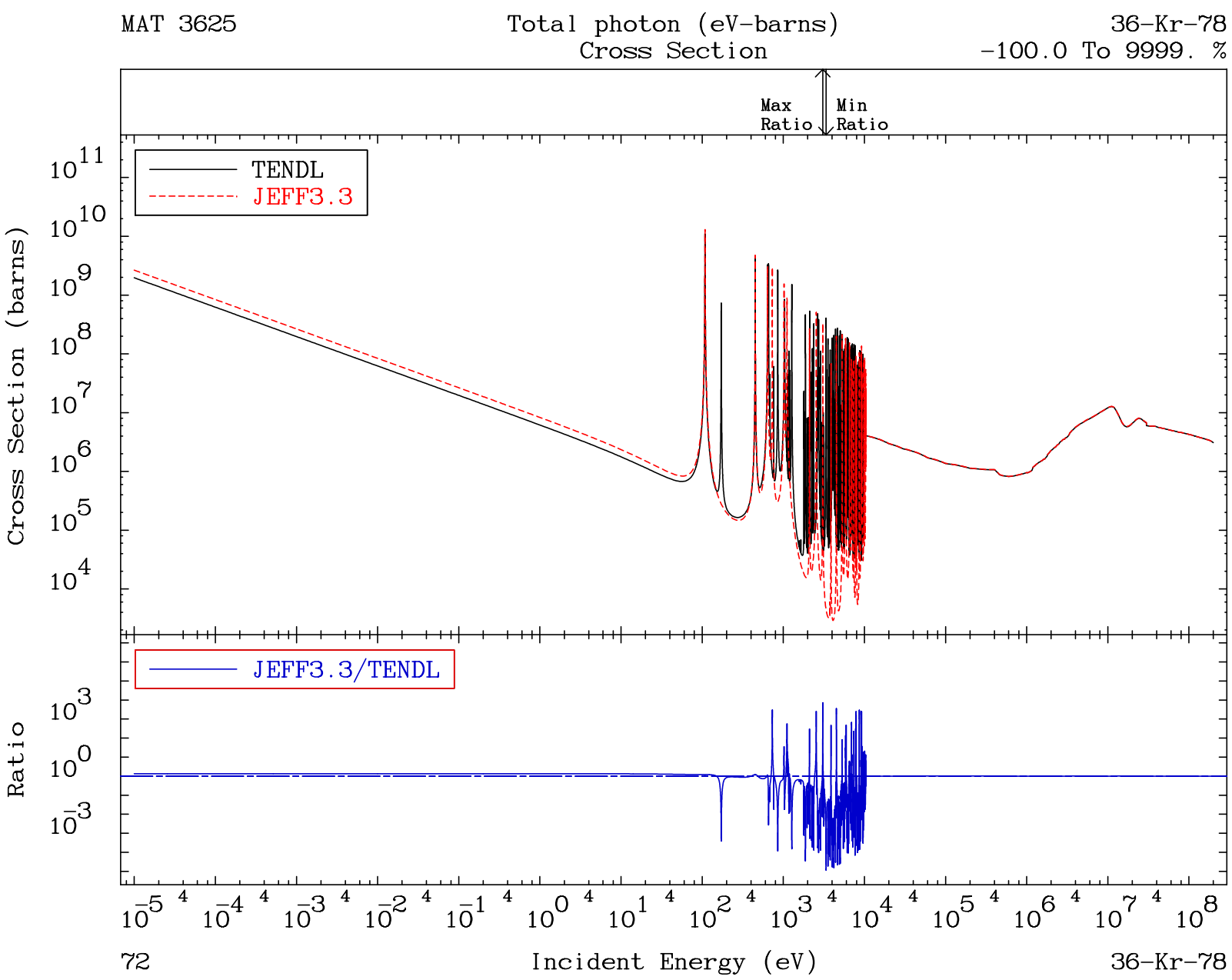

MAT 3625
Kerma elastic
Cross Section
36-Kr-78
-99.97 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
36-Kr-78

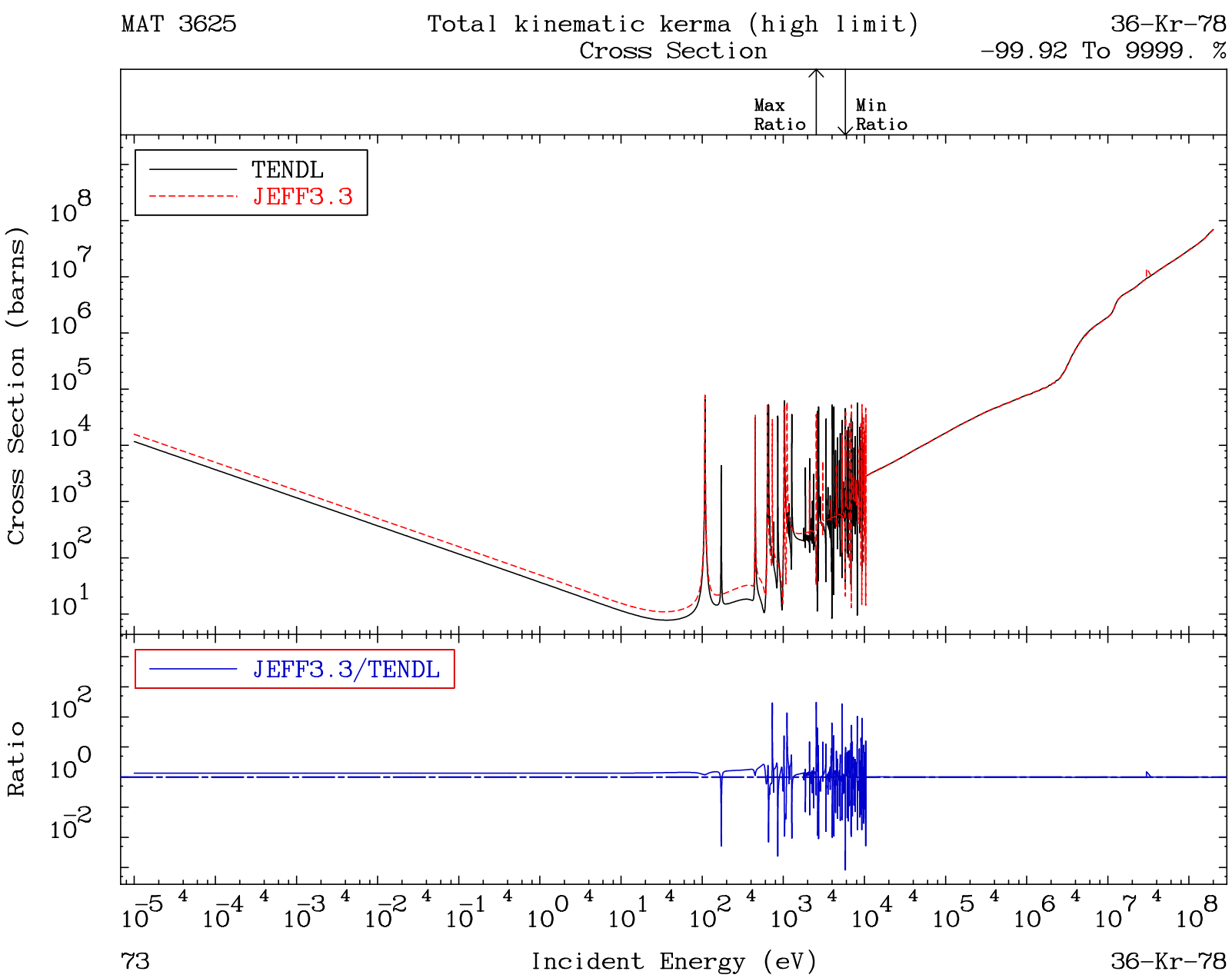

MAT 3625
Kerma non-elastic (all but mt2)
Cross Section
36-Kr-78
-99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
36-Kr-78

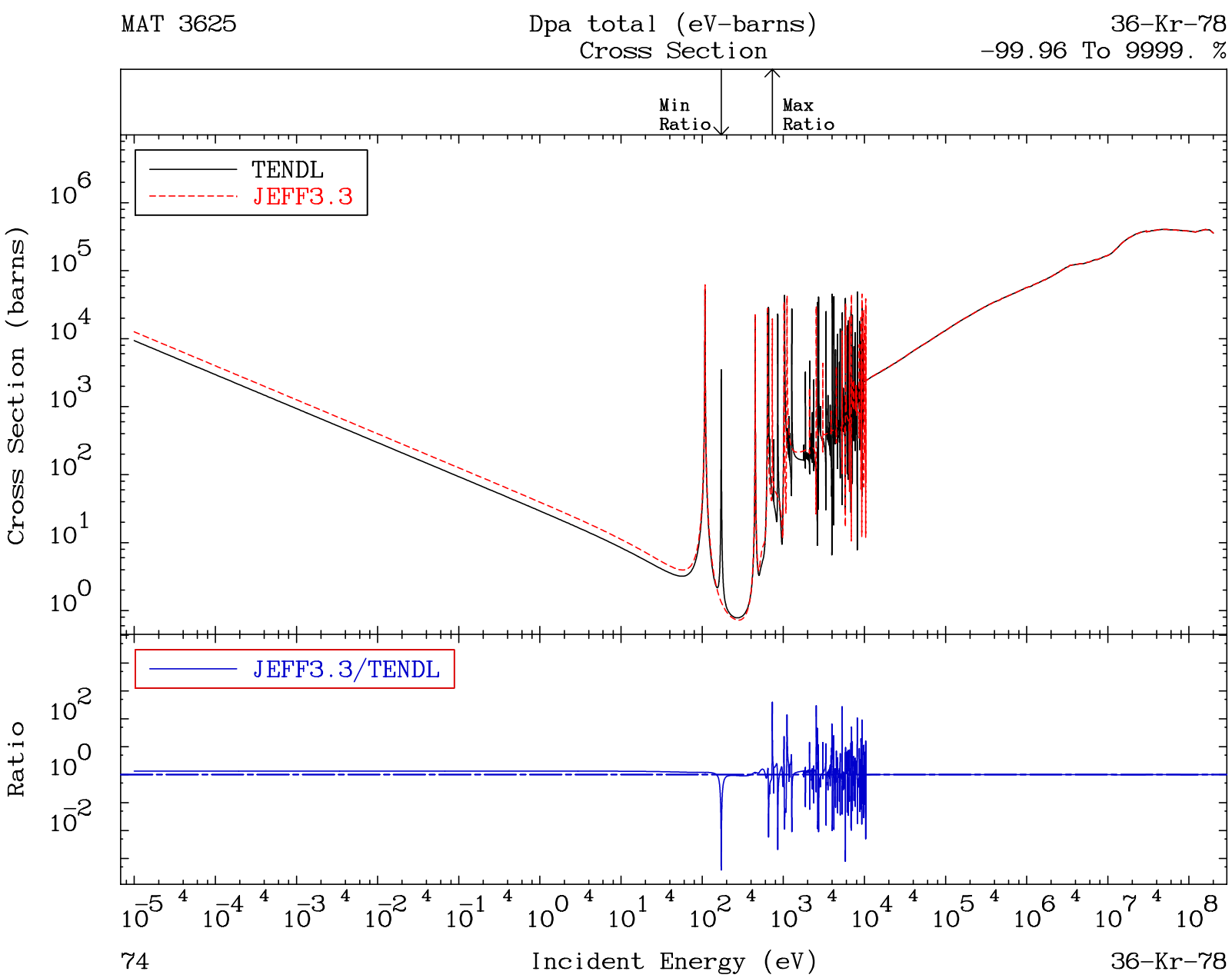

MAT 3625
Kerma inelastic (mt51-91)
Cross Section
36-Kr-78
-1.529 To 2.196 %
Max Ratio
Min Ratio
TENDL Threshold 460.92 keV
JEFF3.3 Threshold 460.92 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
36-Kr-78

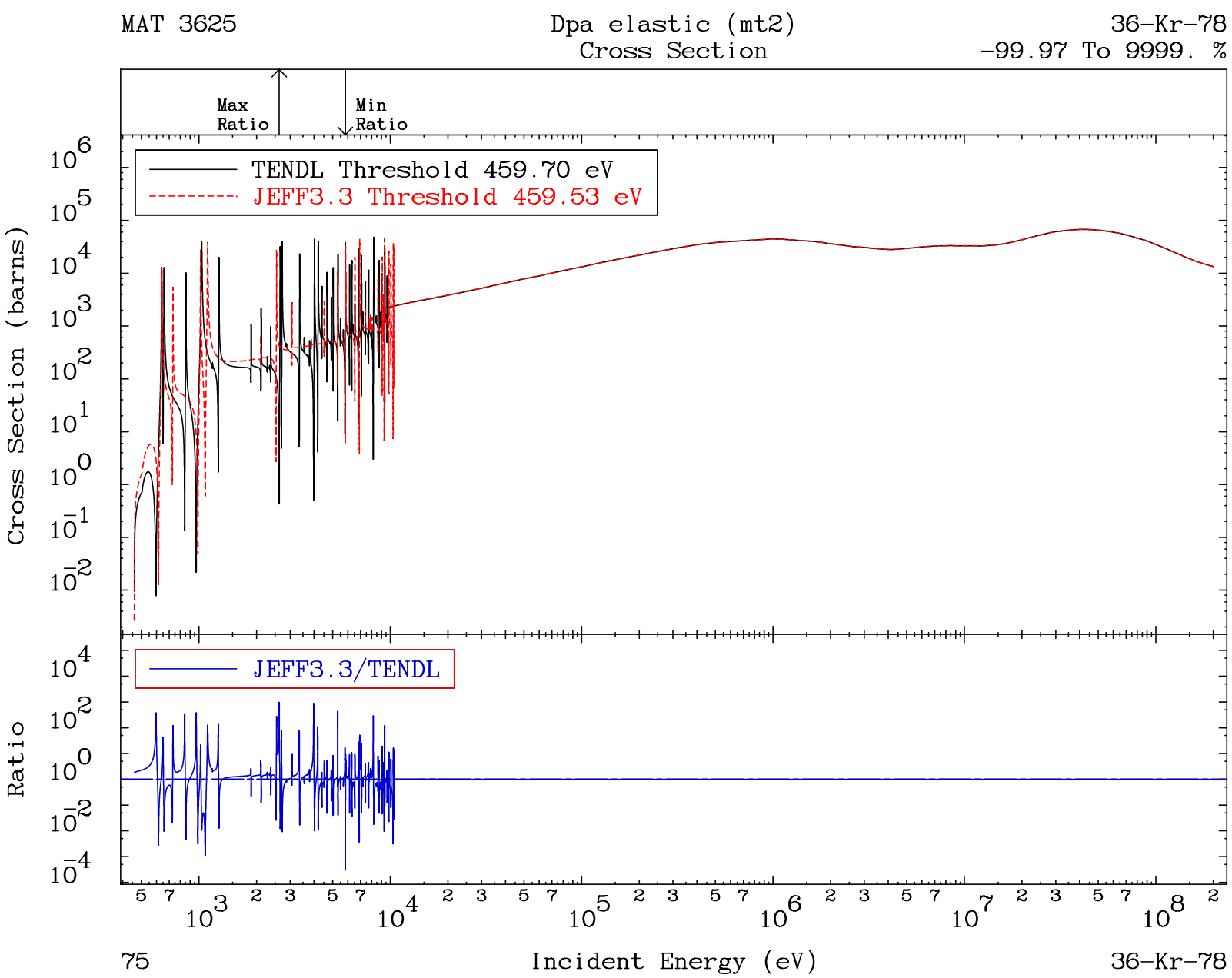

MAT 3625
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
36-Kr-78
-1.529 To 2.196 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.02
1.00
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
70
Incident Energy (eV)
36-Kr-78

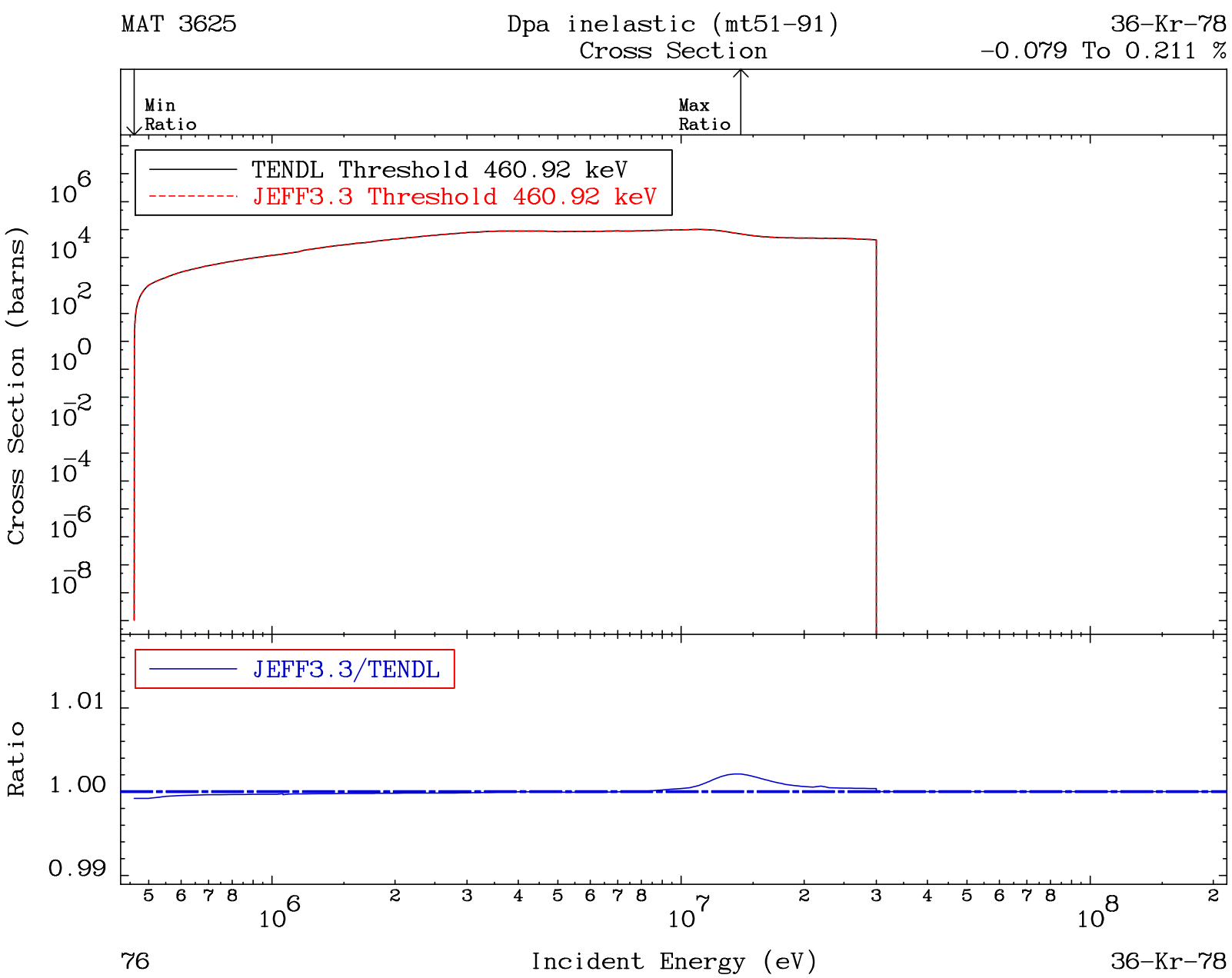

MAT 3625
Kerma capture (mt102)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
36-Kr-78

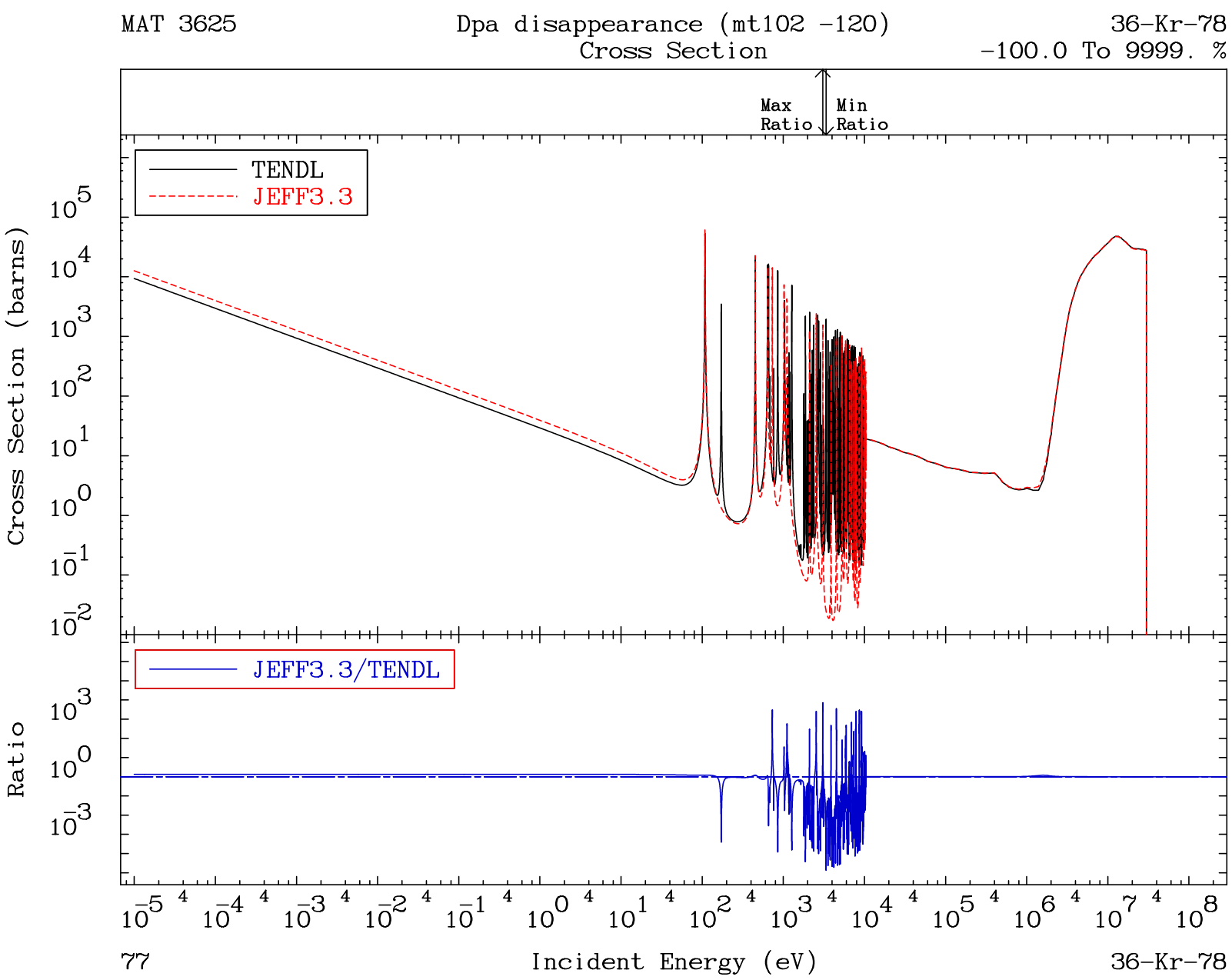

MAT 3625
Total photon (eV-barns)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
36-Kr-78

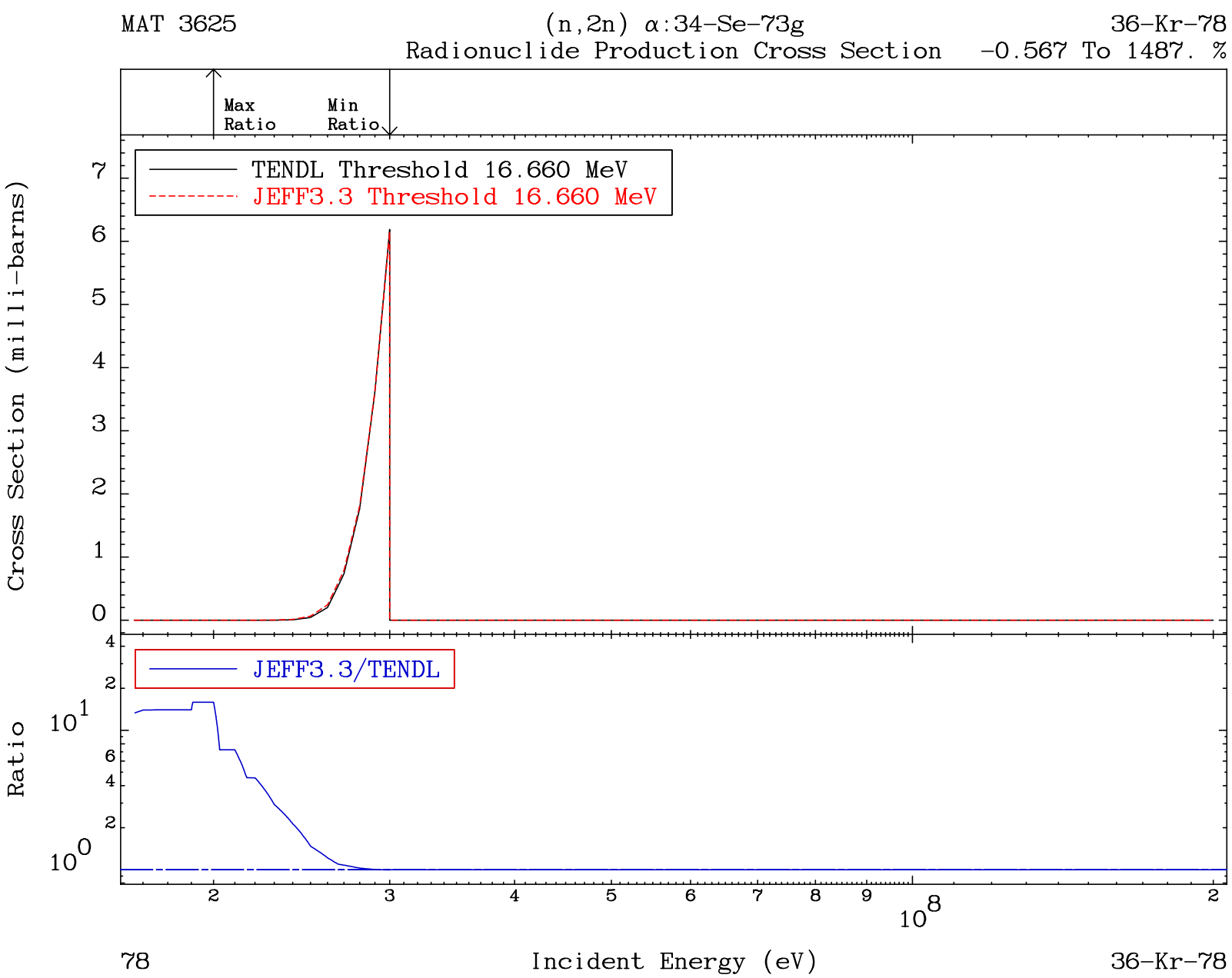

MAT 3625
Total kinematic kerma (high limit)
Cross Section
36-Kr-78
-99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
36-Kr-78

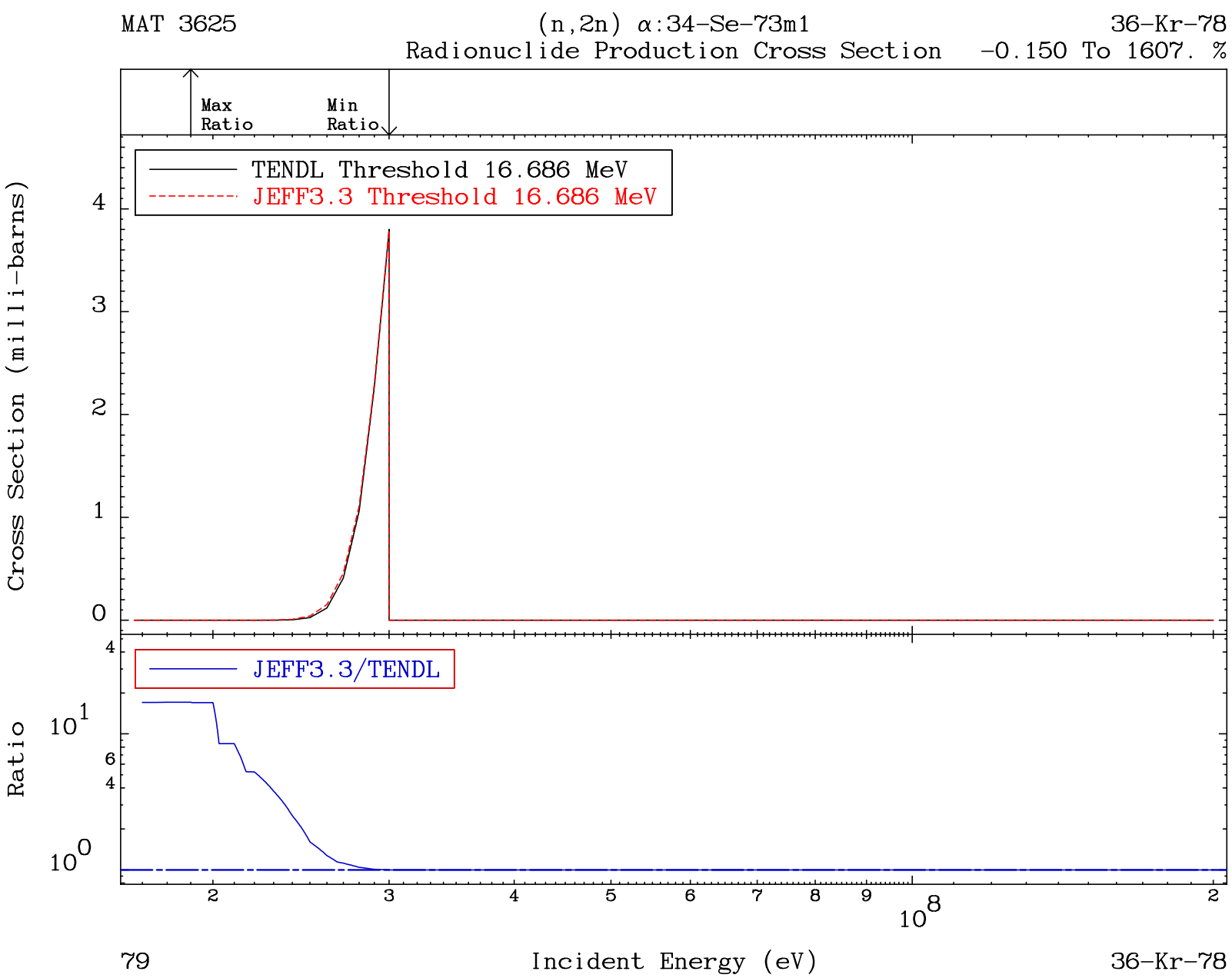

MAT 3625
Dpa total (eV-barns)
Cross Section
36-Kr-78
-99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
36-Kr-78

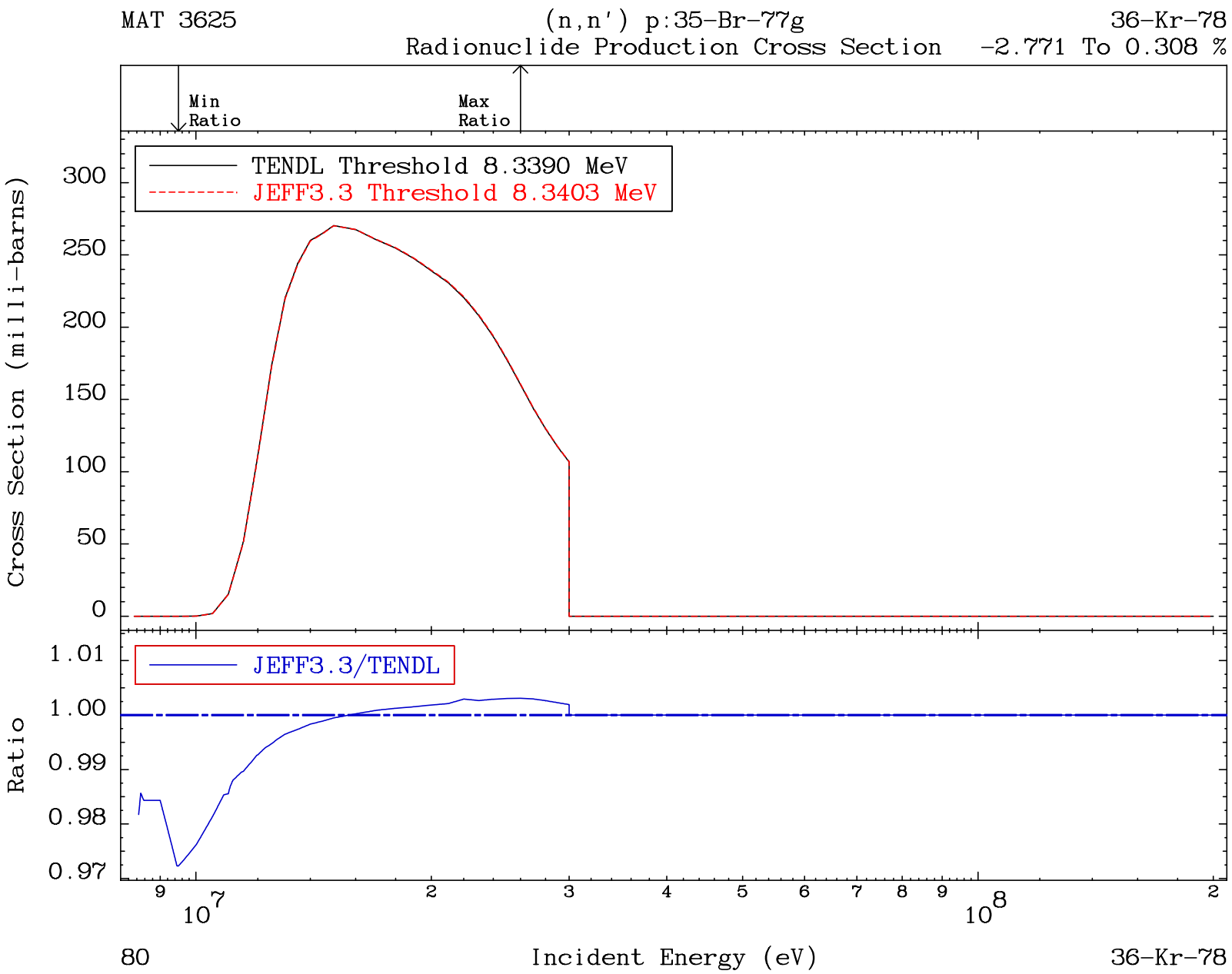

MAT 3625
Dpa elastic (mt2)
Cross Section
36-Kr-78
-99.97 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 459.70 eV
JEFF3.3 Threshold 459.53 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
36-Kr-78

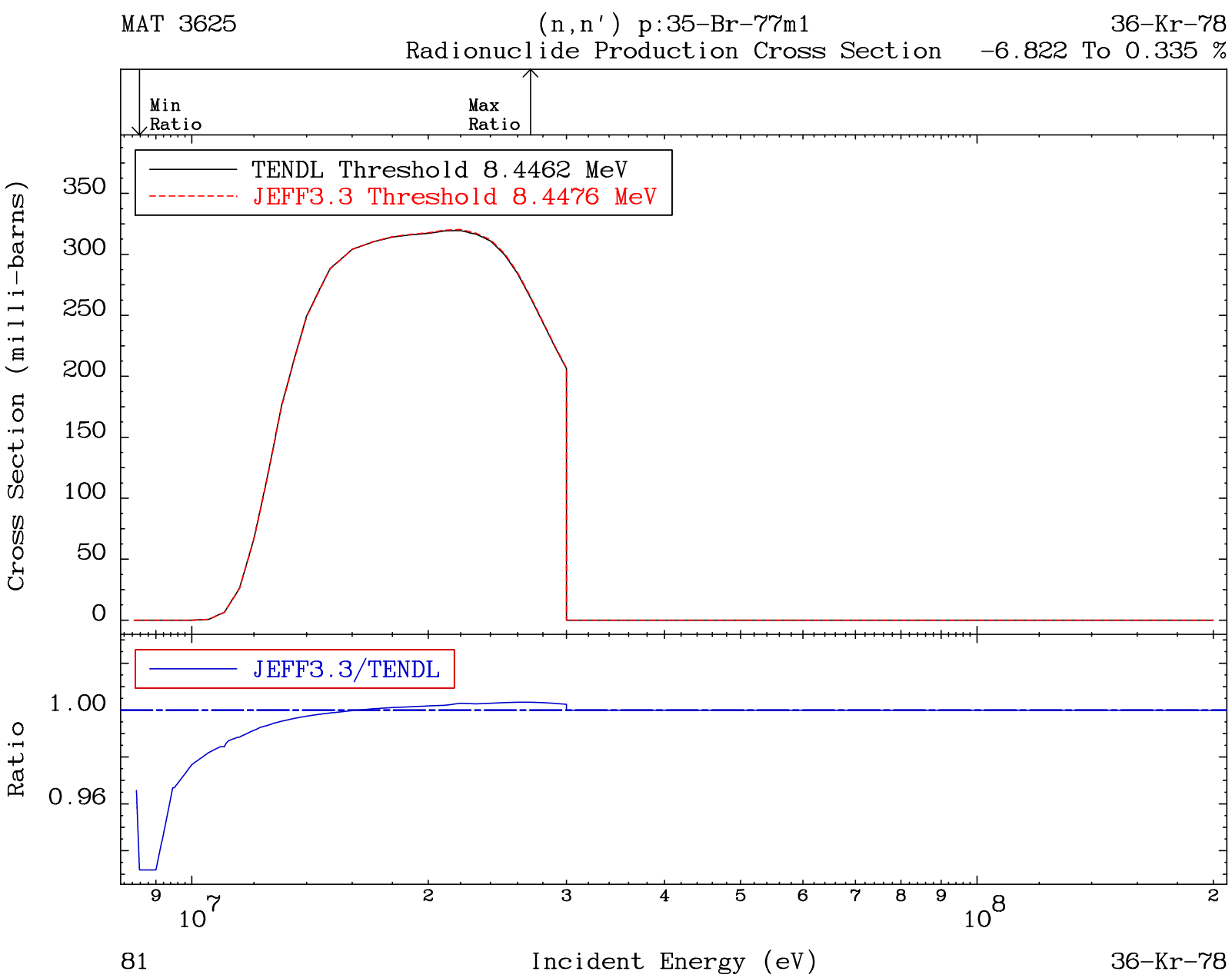

MAT 3625
Dpa inelastic (mt51-91)
Cross Section
36-Kr-78
-0.079 To 0.211 %
Min Ratio
Max Ratio
TENDL Threshold 460.92 keV
JEFF3.3 Threshold 460.92 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
36-Kr-78

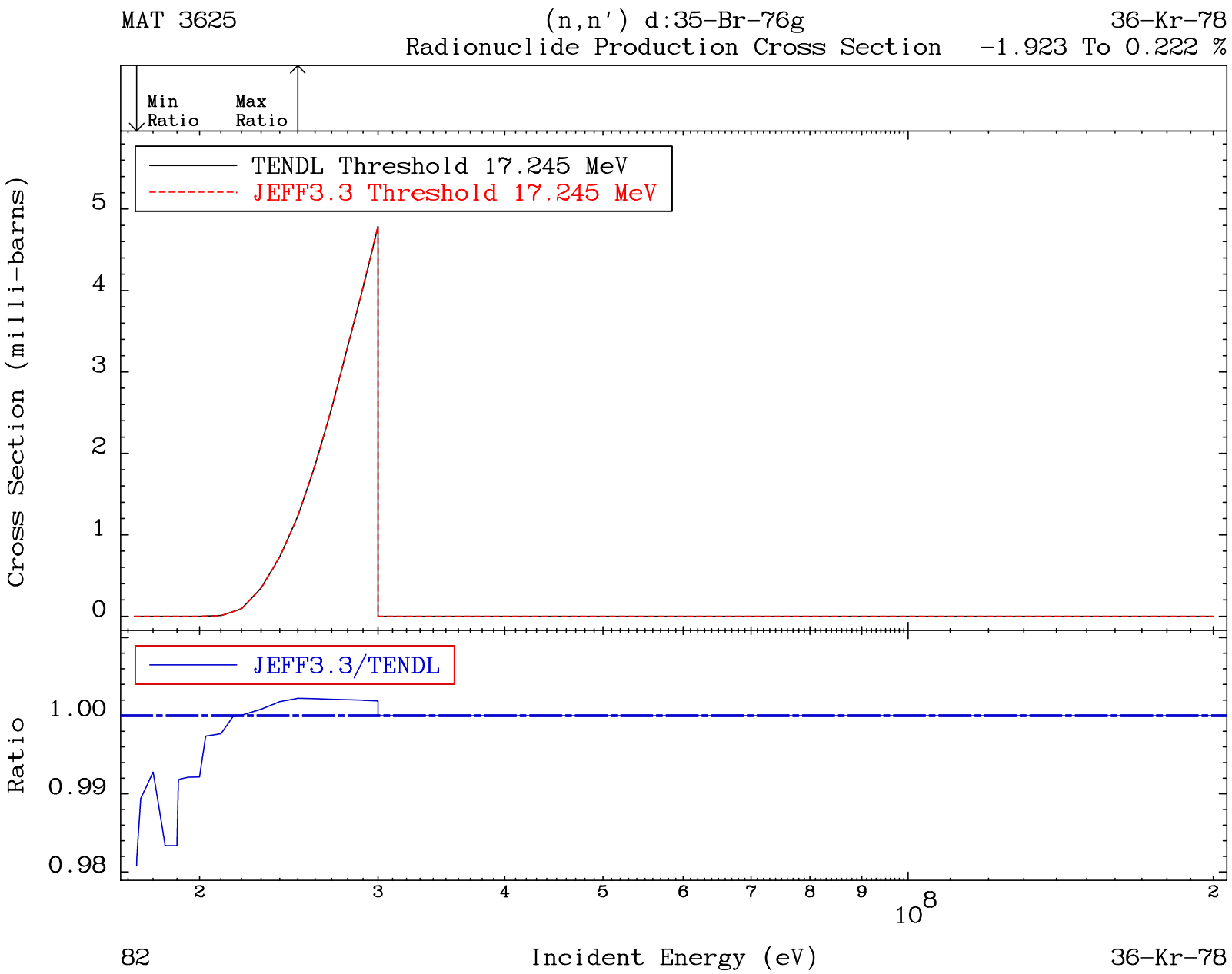

MAT 3625
Dpa disappearance (mt102 -120)
Cross Section
36-Kr-78
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
36-Kr-78

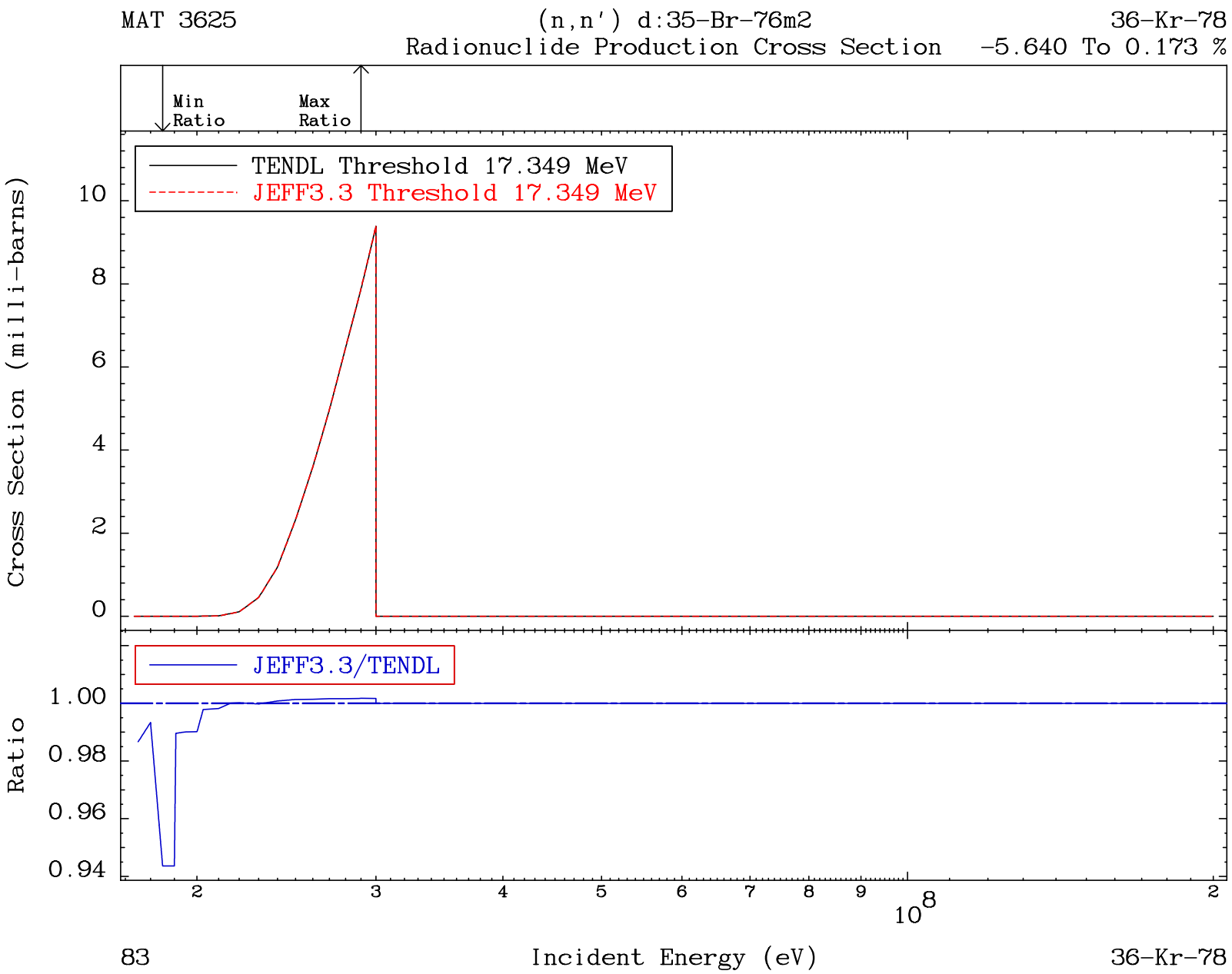

MAT 3625
(n,2n) α:34-Se-73g
36-Kr-78
Radionuclide Production Cross Section
-0.567 To 1487. %
Max Ratio
Min Ratio
TENDL Threshold 16.660 MeV
JEFF3.3 Threshold 16.660 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
78
36-Kr-78

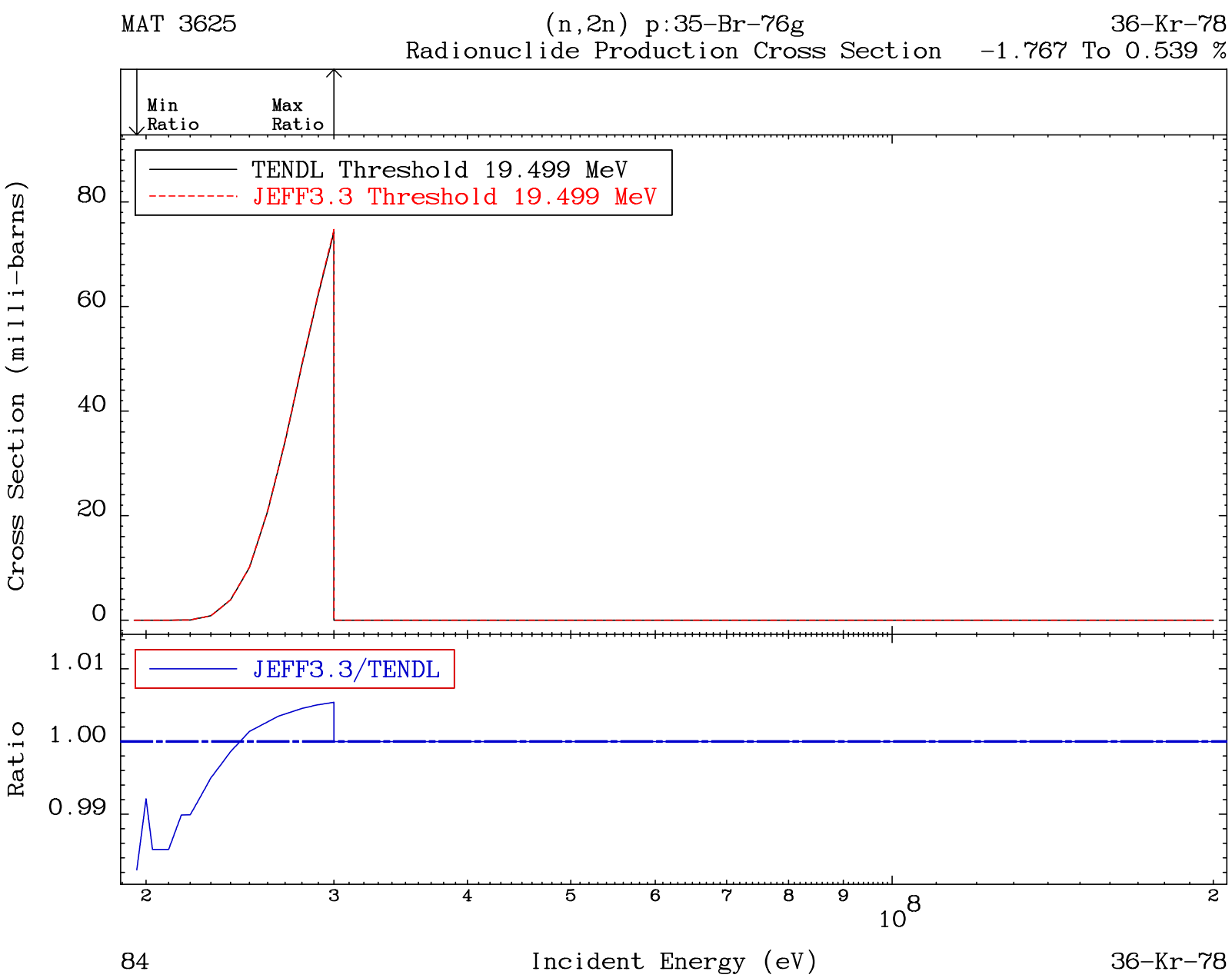

MAT 3625
(n,2n) α:34-Se-73m1
36-Kr-78
Radionuclide Production Cross Section -0.150 To 1607. %
Max Ratio
Min Ratio
TENDL Threshold 16.686 MeV
JEFF3.3 Threshold 16.686 MeV
Cross Section (milli-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
10^1
6
4
10^0
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
36-Kr-78

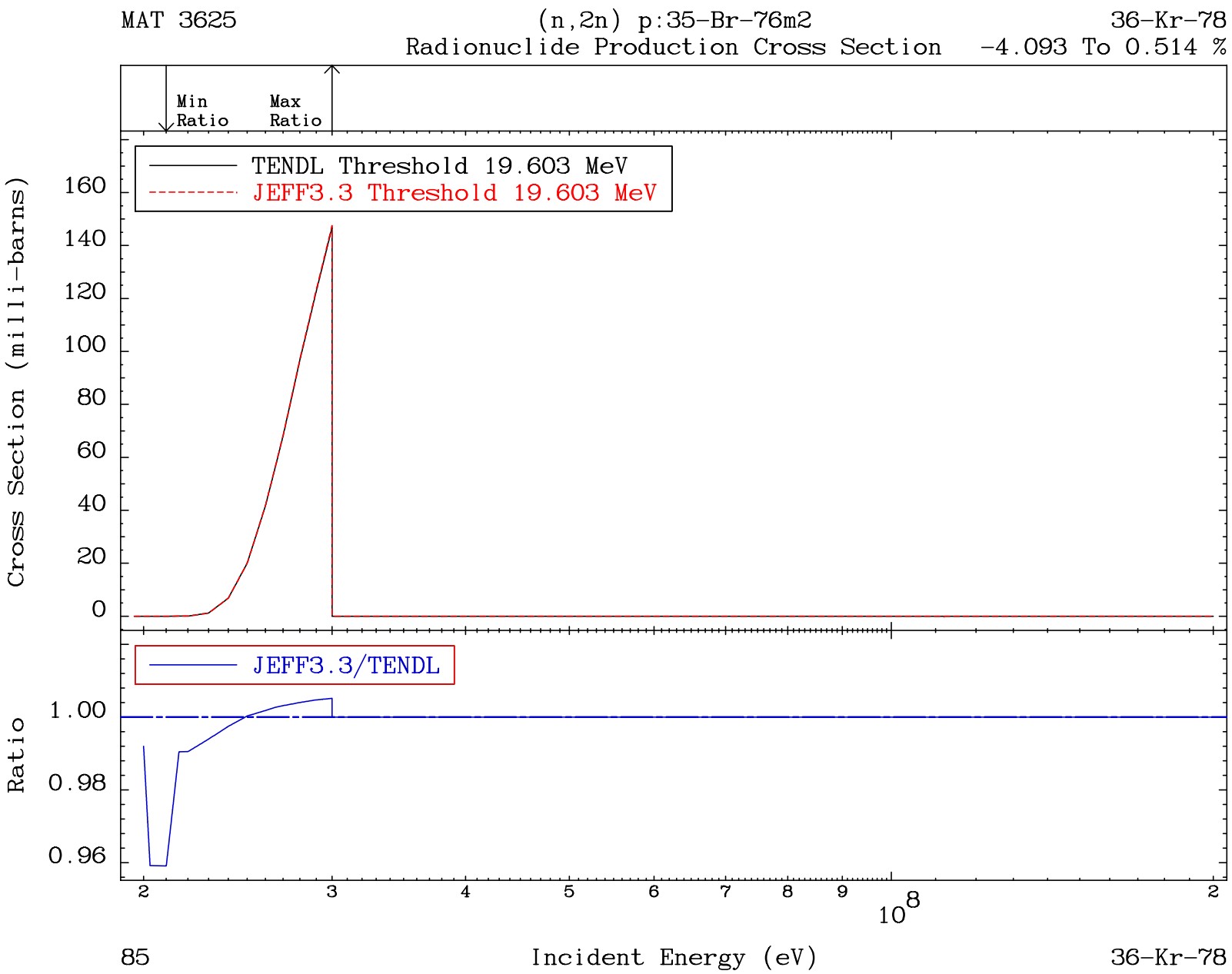

MAT 3625
(n,n') p:35-Br-77g
36-Kr-78
Radionuclide Production Cross Section -2.771 To 0.308 %
Min Ratio
Max Ratio
TENDL Threshold 8.3390 MeV
JEFF3.3 Threshold 8.3403 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
0.98
0.97
9
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
36-Kr-78

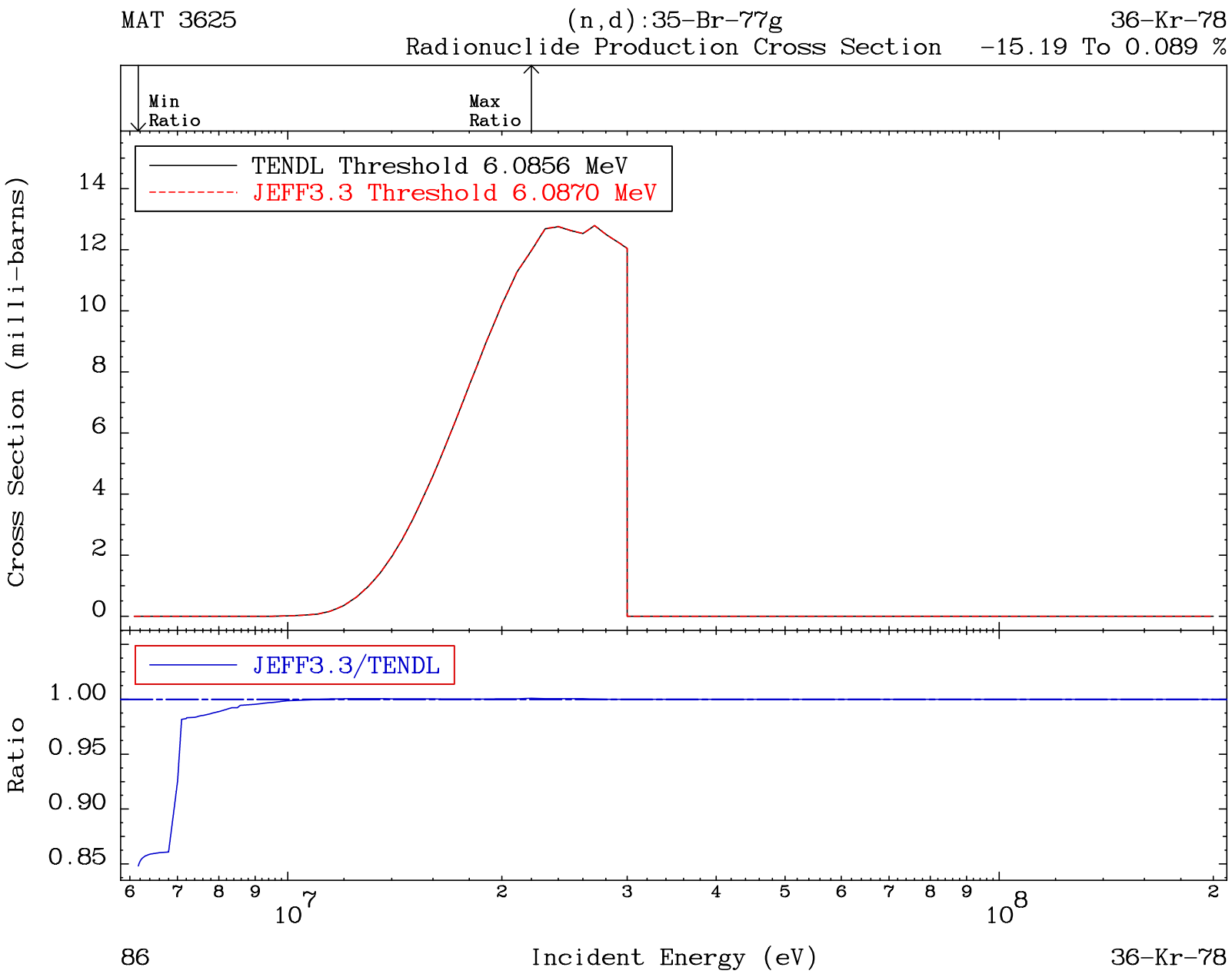

MAT 3625
(n,n') p:35-Br-77m1
36-Kr-78
Radionuclide Production Cross Section -6.822 To 0.335 %
Min Ratio
Max Ratio
TENDL Threshold 8.4462 MeV
JEFF3.3 Threshold 8.4476 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.96
9
10^7
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
36-Kr-78

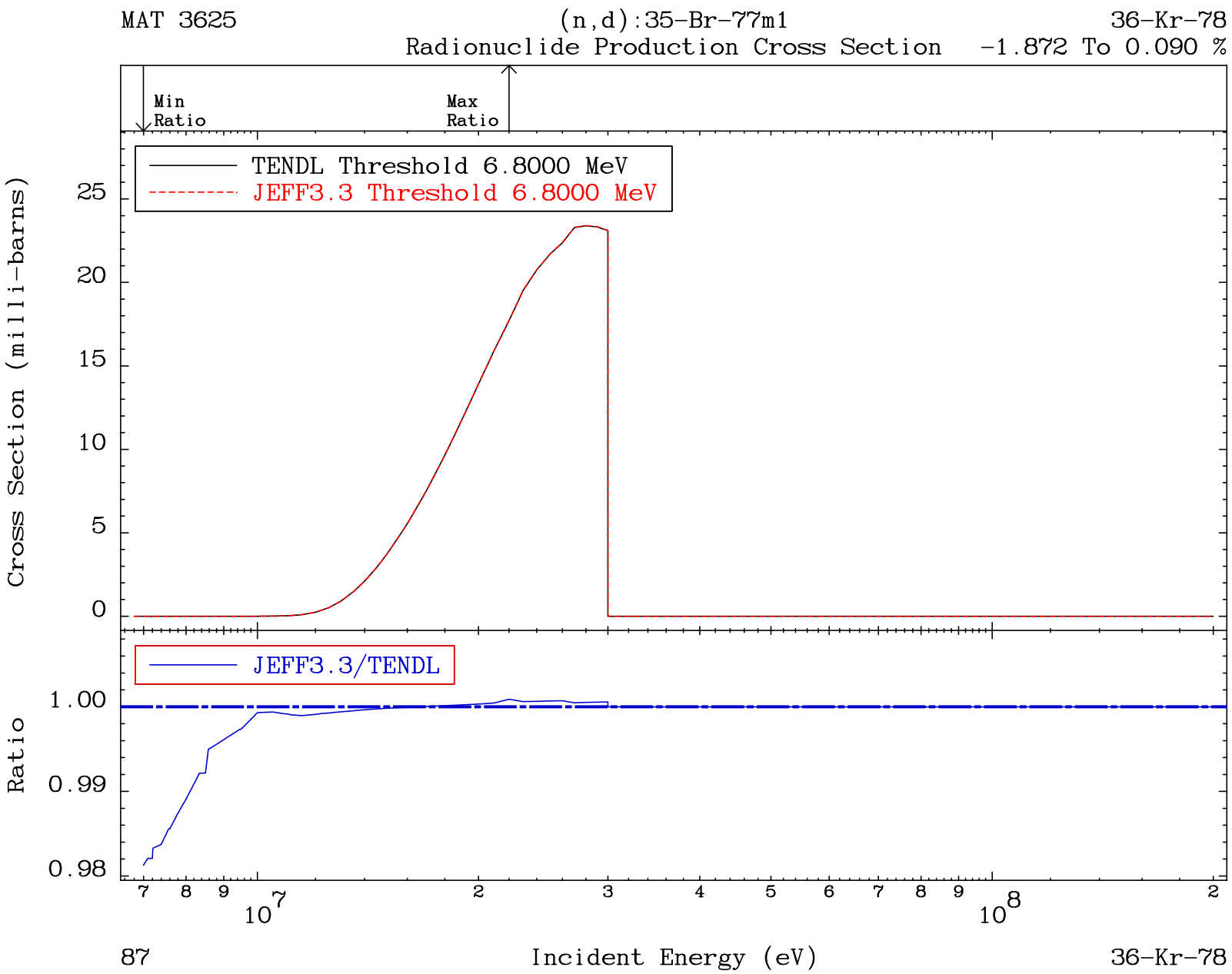

MAT 3625
(n,n') d:35-Br-76g
36-Kr-78
Radionuclide Production Cross Section
-1.923 To 0.222 %
Min Ratio
Max Ratio
TENDL Threshold 17.245 MeV
JEFF3.3 Threshold 17.245 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.98
0.99
1.00
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
36-Kr-78

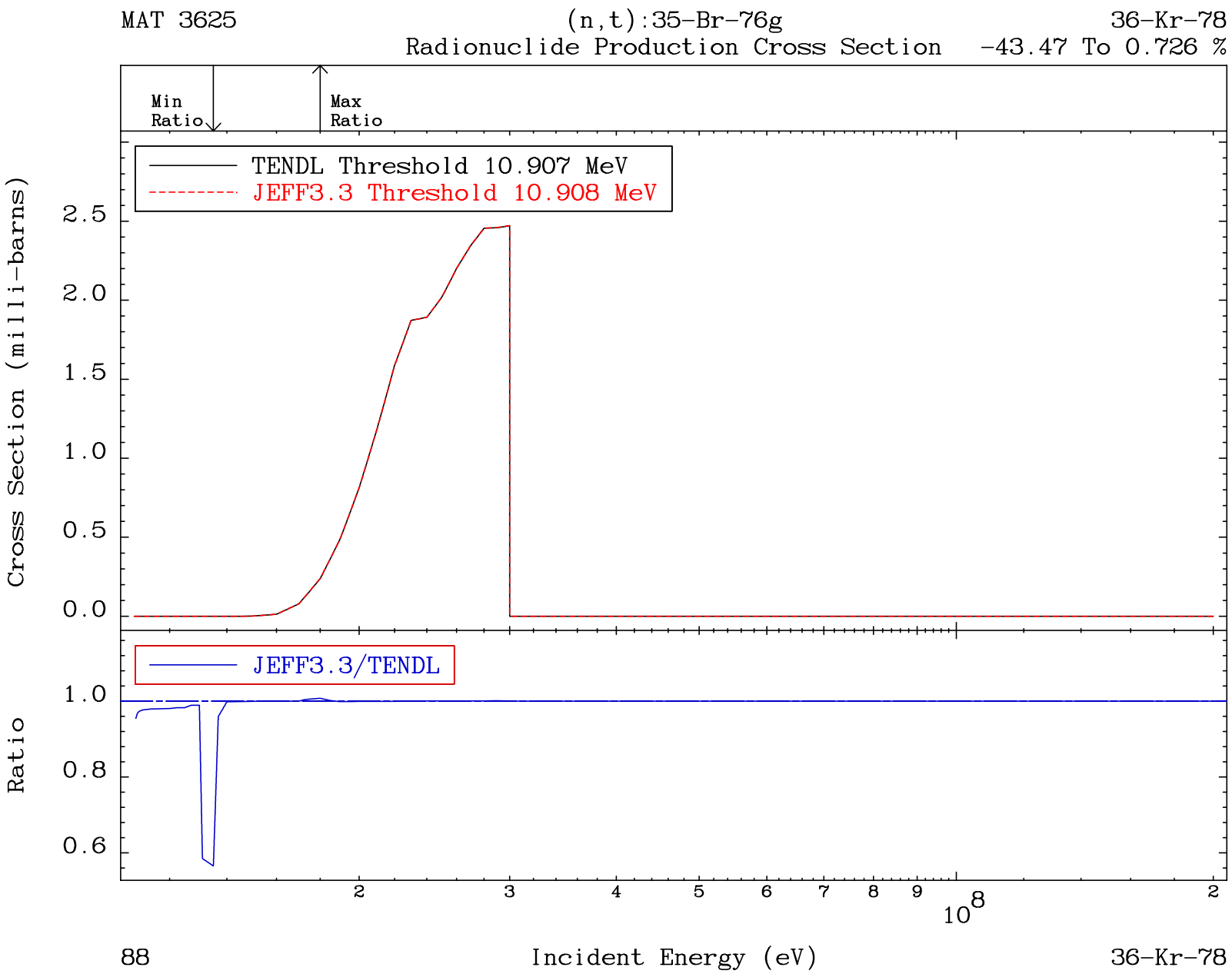

MAT 3625
(n,n') d:35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section -5.640 To 0.173 %
Min Ratio
Max Ratio
TENDL Threshold 17.349 MeV
JEFF3.3 Threshold 17.349 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
0.94
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
36-Kr-78

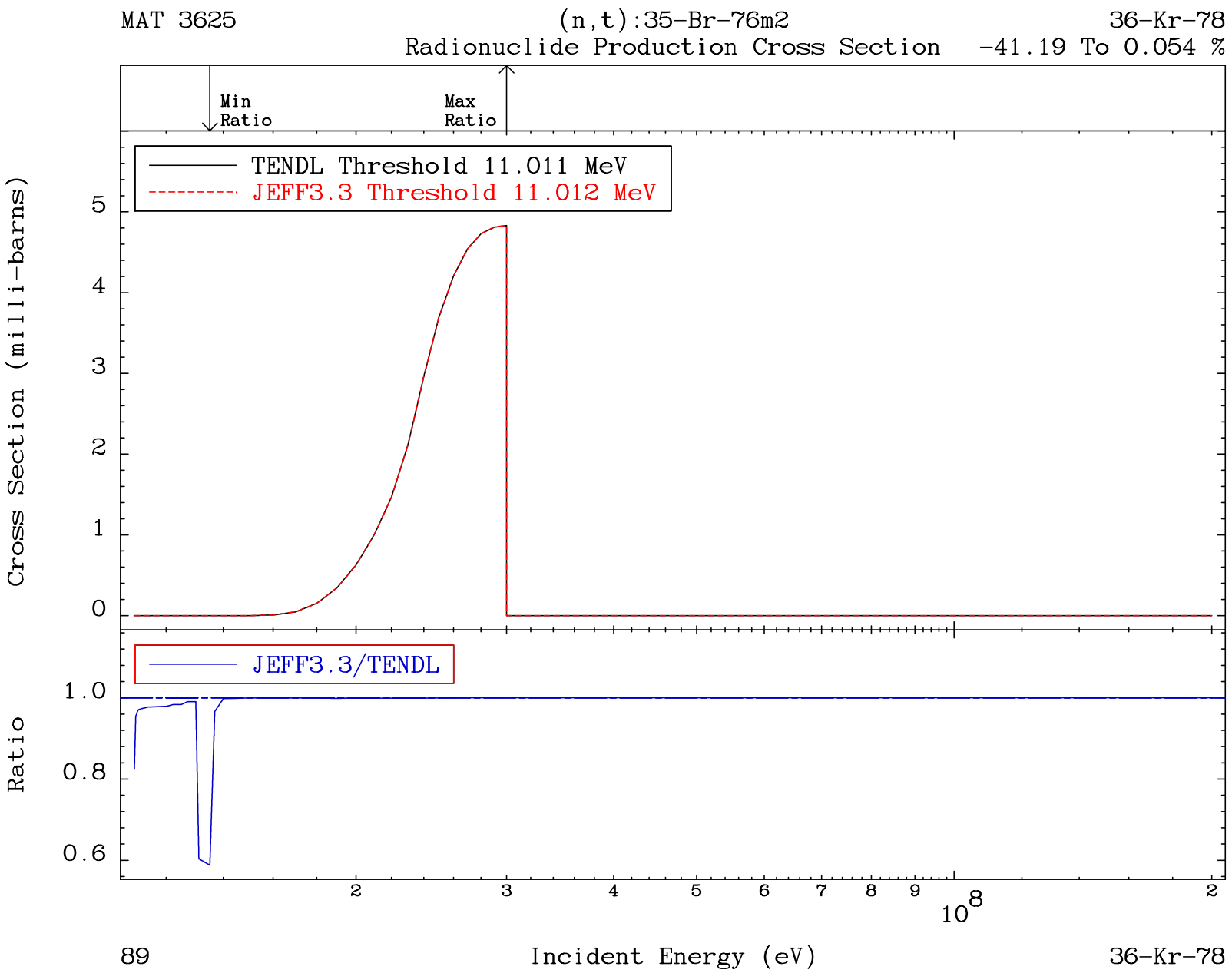

MAT 3625
(n,2n) p:35-Br-76g
36-Kr-78
Radionuclide Production Cross Section -1.767 To 0.539 %
Min Ratio
Max Ratio
TENDL Threshold 19.499 MeV
JEFF3.3 Threshold 19.499 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
36-Kr-78

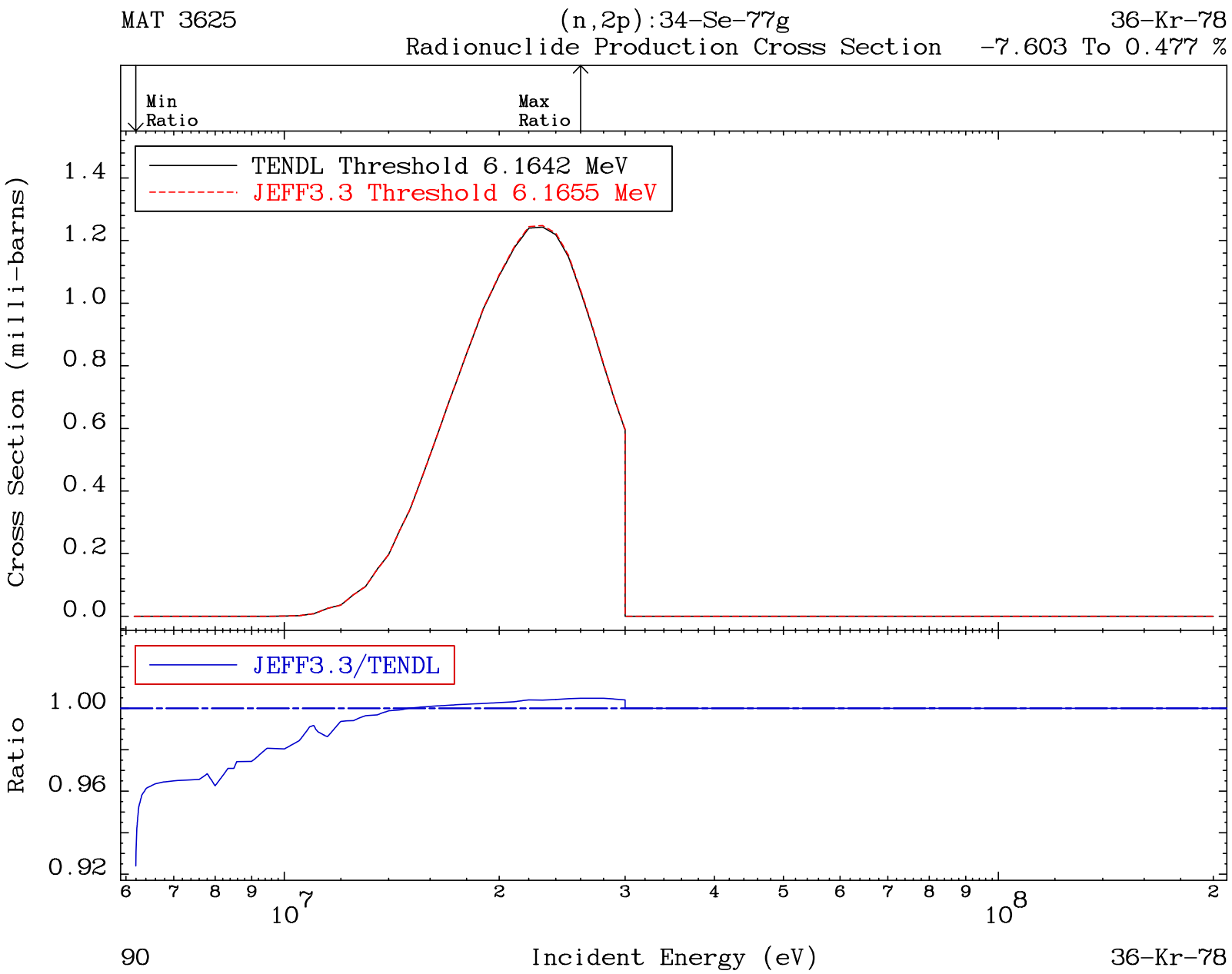

MAT 3625
(n,2n) p:35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section -4.093 To 0.514 %
Min Ratio
Max Ratio
TENDL Threshold 19.603 MeV
JEFF3.3 Threshold 19.603 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
36-Kr-78

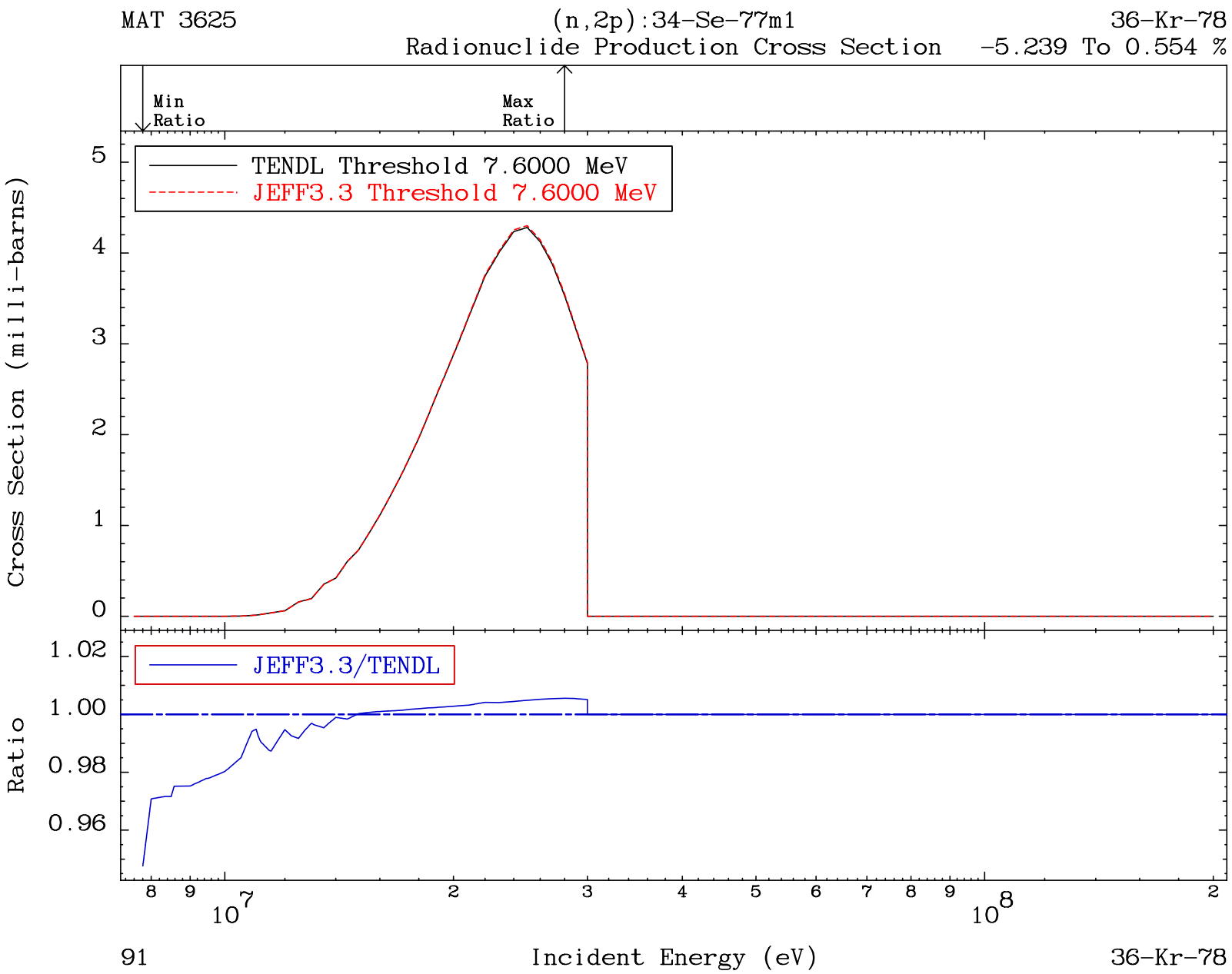

MAT 3625
(n,d):35-Br-77g
36-Kr-78
Radionuclide Production Cross Section -15.19 To 0.089 %
Min Ratio
Max Ratio
TENDL Threshold 6.0856 MeV
JEFF3.3 Threshold 6.0870 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
JEFF3.3/TENDL
Ratio
0.85
0.90
0.95
1.00
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
86
36-Kr-78


MAT 3625
(n,d):35-Br-77m1
36-Kr-78
Radionuclide Production Cross Section -1.872 To 0.090 %
Min Ratio
Max Ratio
TENDL Threshold 6.8000 MeV
JEFF3.3 Threshold 6.8000 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
87
Incident Energy (eV)
36-Kr-78


MAT 3625
(n,t):35-Br-76g
36-Kr-78
Radionuclide Production Cross Section
-43.47 To 0.726 %
Min Ratio
Max Ratio
TENDL Threshold 10.907 MeV
JEFF3.3 Threshold 10.908 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
36-Kr-78


MAT 3625
(n,t):35-Br-76m2
36-Kr-78
Radionuclide Production Cross Section -41.19 To 0.054 %
Min Ratio
Max Ratio
TENDL Threshold 11.011 MeV
JEFF3.3 Threshold 11.012 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.6
0.8
1.0
2
3
4
5
6
7
8
9
2
10^8
89
Incident Energy (eV)
36-Kr-78


MAT 3625
(n,2p):34-Se-77g
36-Kr-78
Radionuclide Production Cross Section
-7.603 To 0.477 %
Min Ratio
Max Ratio
TENDL Threshold 6.1642 MeV
JEFF3.3 Threshold 6.1655 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.00
0.96
0.92
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
90
Incident Energy (eV)
36-Kr-78


MAT 3625
(n,2p):34-Se-77m1
36-Kr-78
Radionuclide Production Cross Section
-5.239 To 0.554 %
Min Ratio
Max Ratio
TENDL Threshold 7.6000 MeV
JEFF3.3 Threshold 7.6000 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.96
0.98
1.00
1.02
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
91
Incident Energy (eV)
36-Kr-78