

Program Complot  
(Version 2018-1)

by

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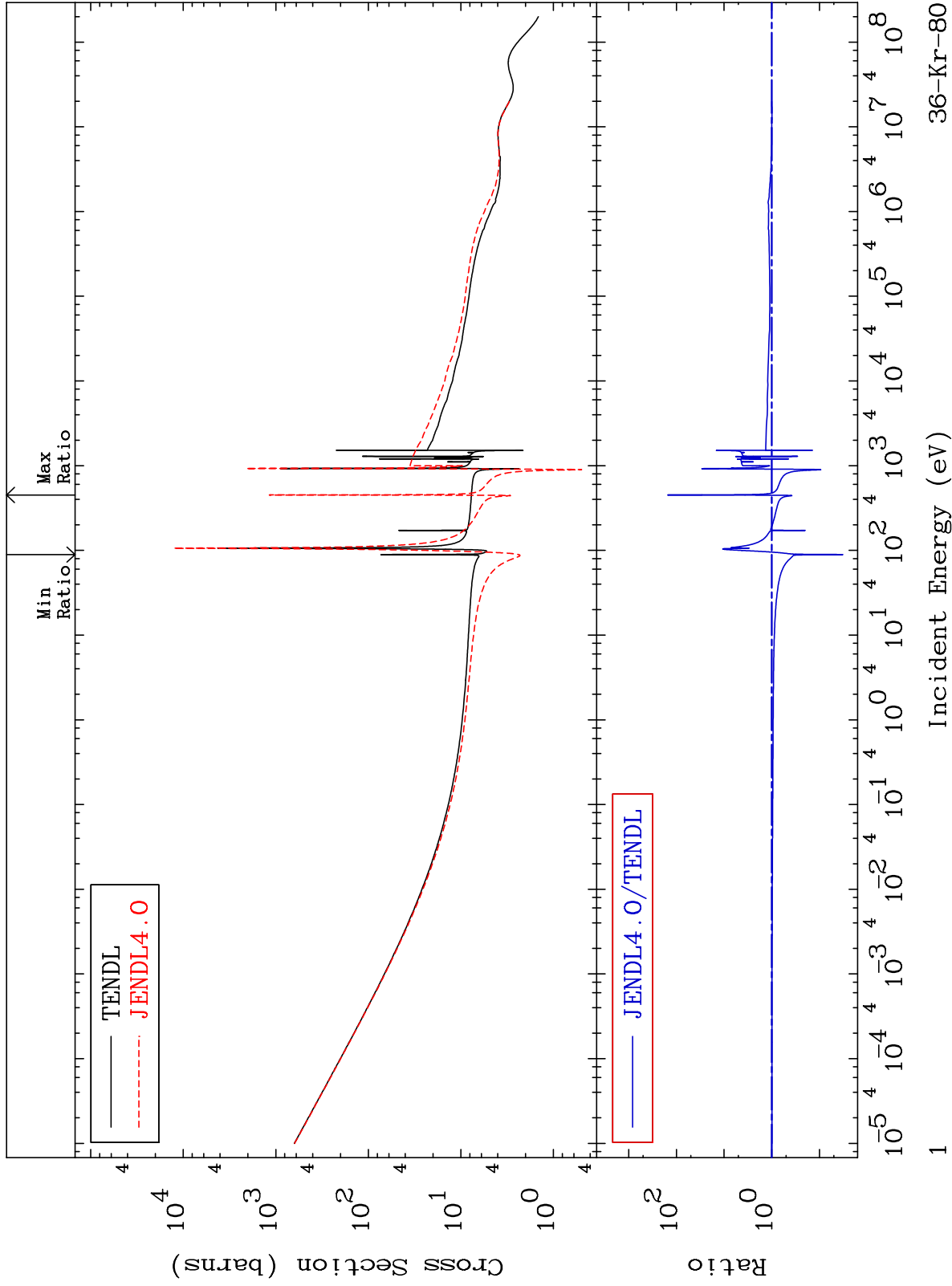
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3631

Total  
Cross Section

36-Kr-80  
-96.75 To 9999. %



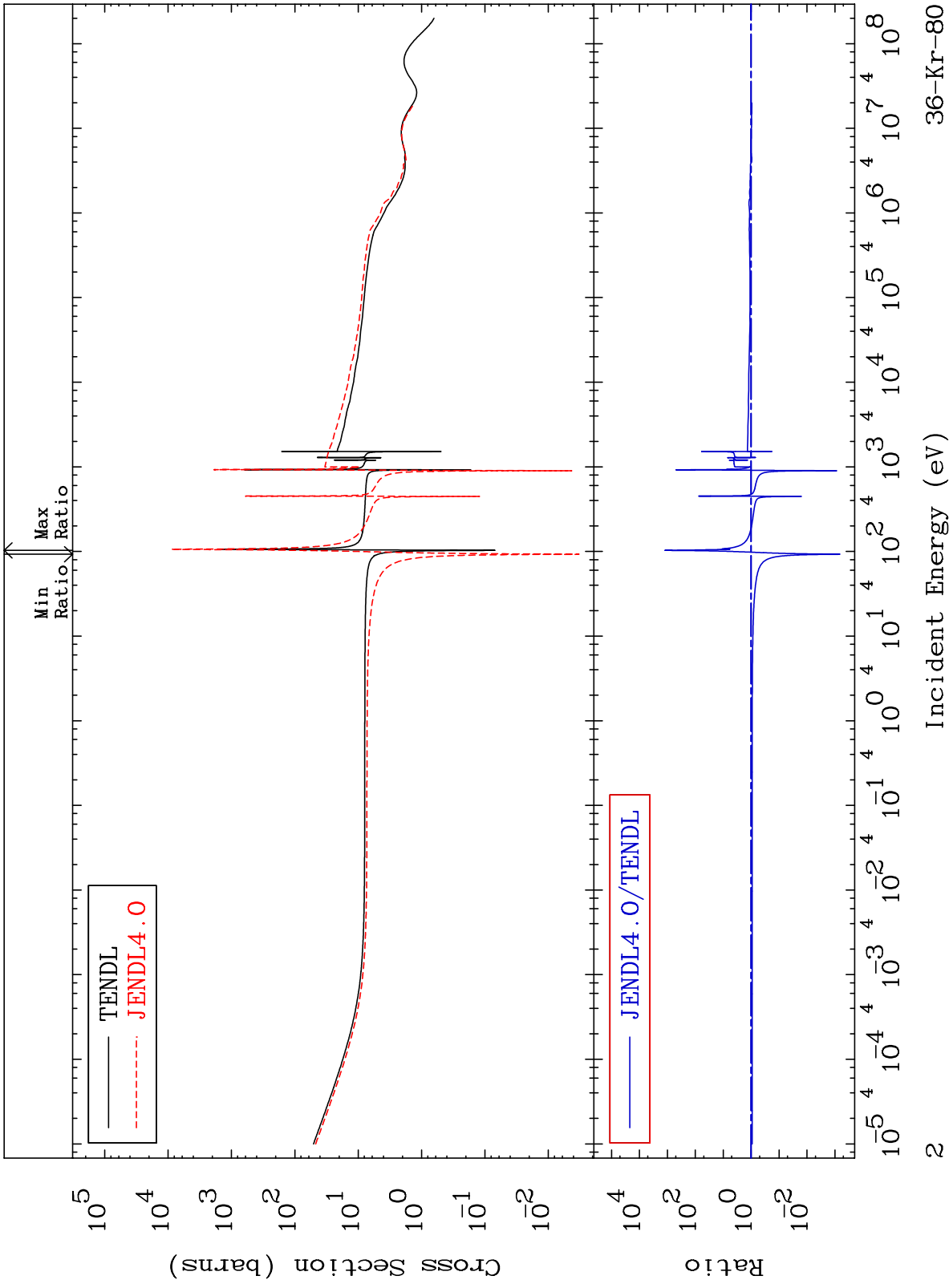
36-Kr-80

MAT 3631

Elastic

<sup>36</sup>Kr-80

Cross Section -99.93 To 9999. %



<sup>36</sup>Kr-80

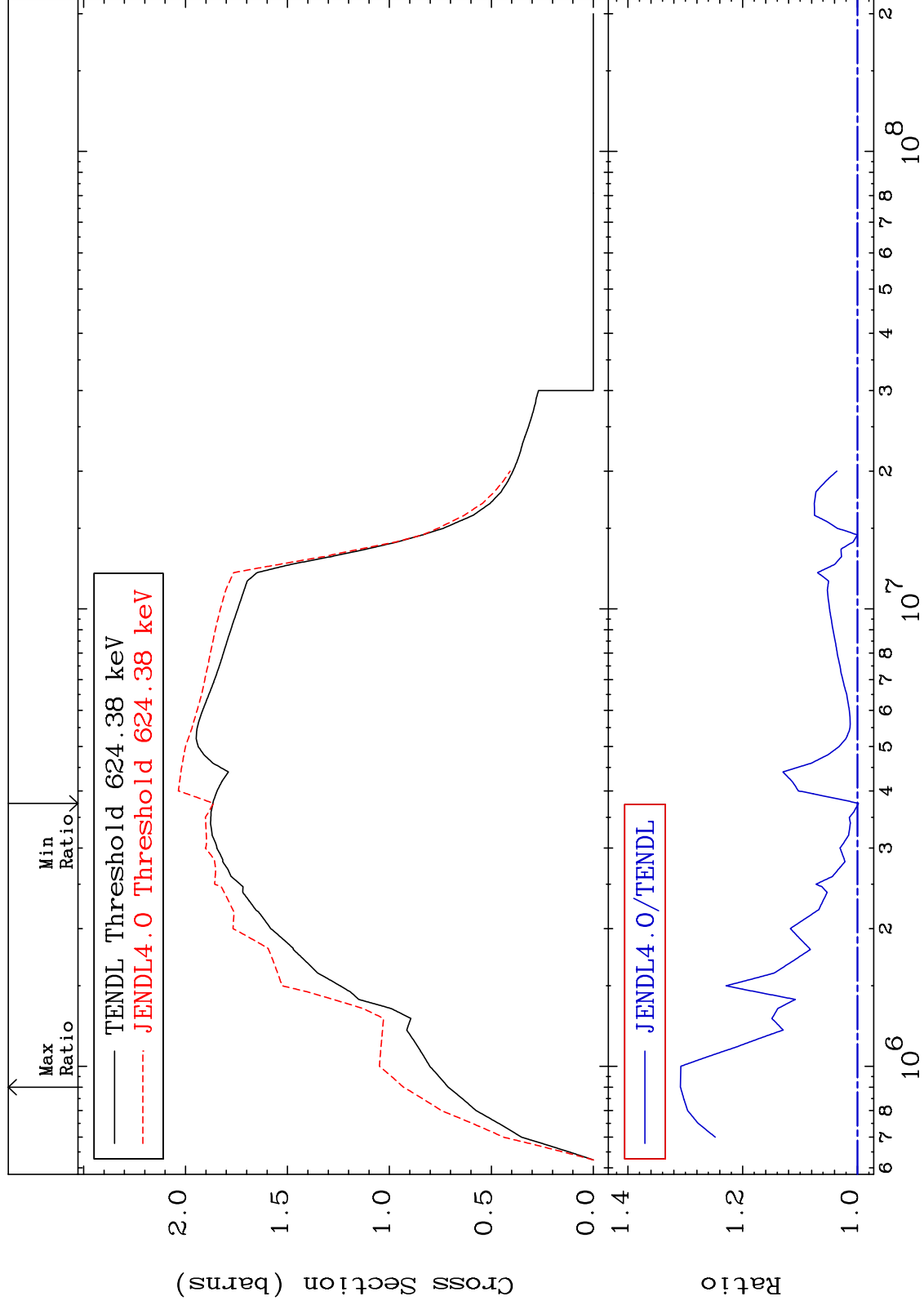
MAT 3631

Inelastic

<sup>36</sup>Kr-80

Cross Section

-0.183 To 30.86 %



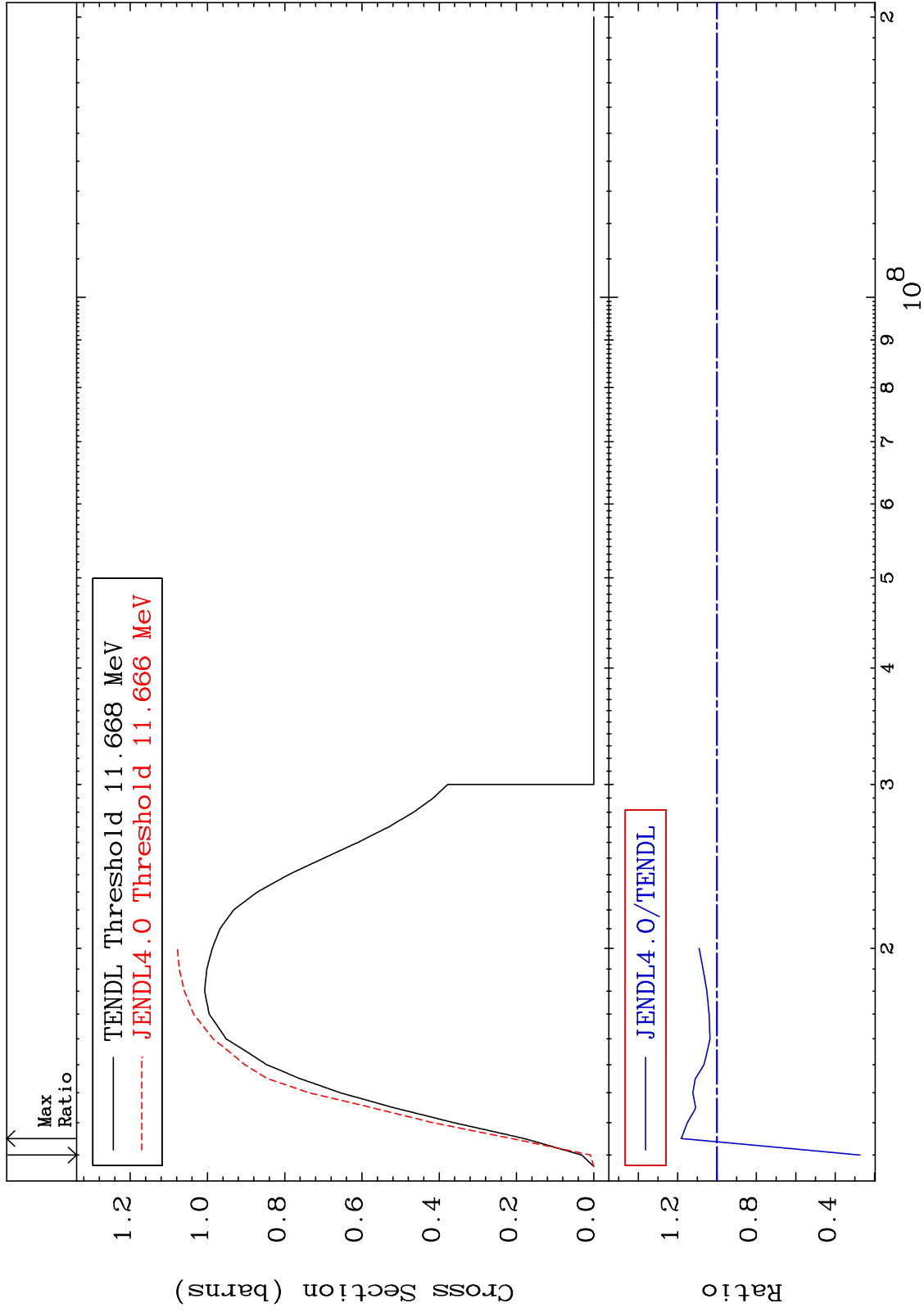
MAT 3631

(n,2n)

<sup>36</sup>Kr-80

Cross Section

-72.60 To 18.21 %



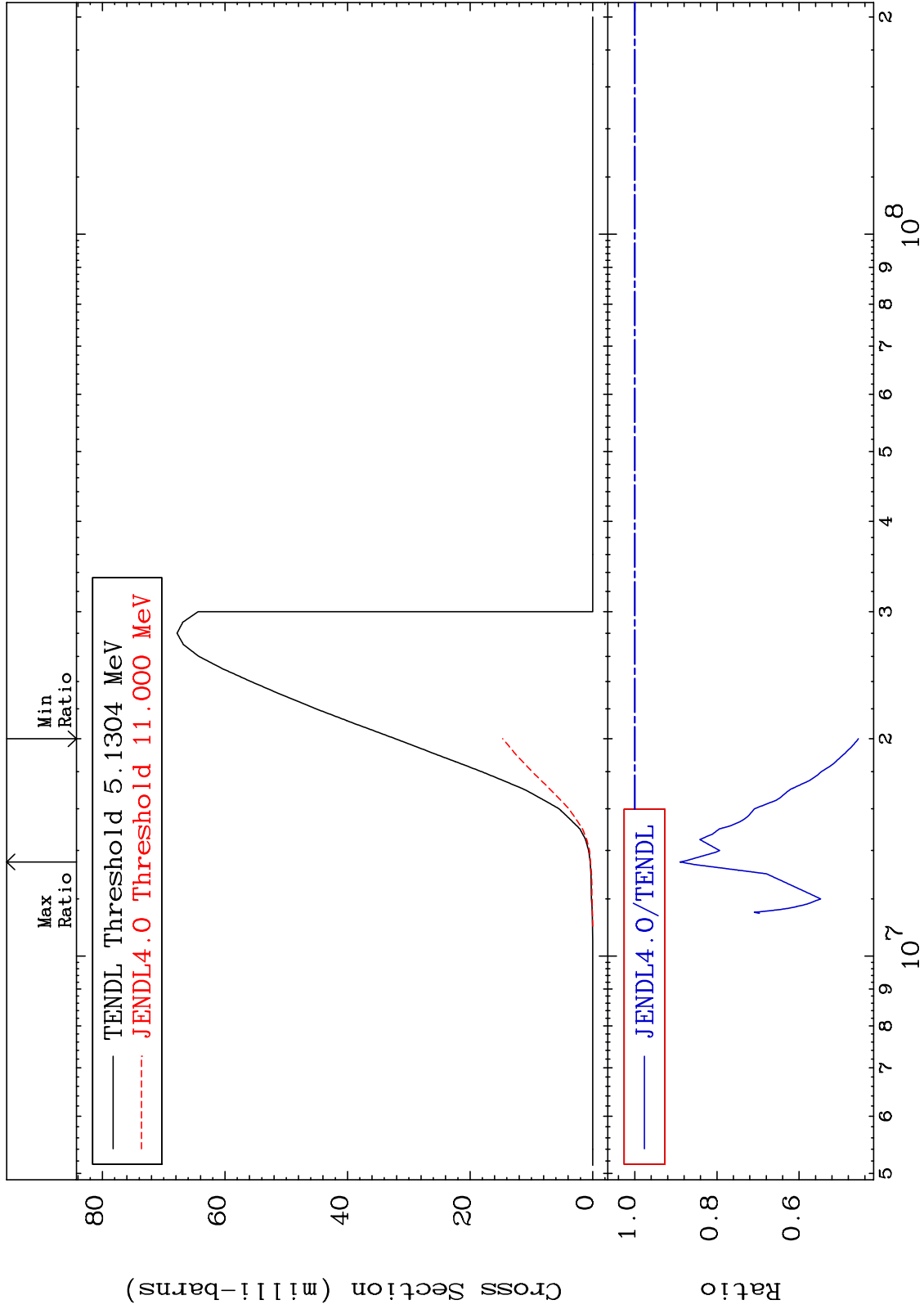
MAT 3631

(n,n')  $\alpha$

<sup>36</sup>Kr-80

-54.44 To -11.00%

Cross Section



5

Incident Energy (eV)

<sup>36</sup>Kr-80

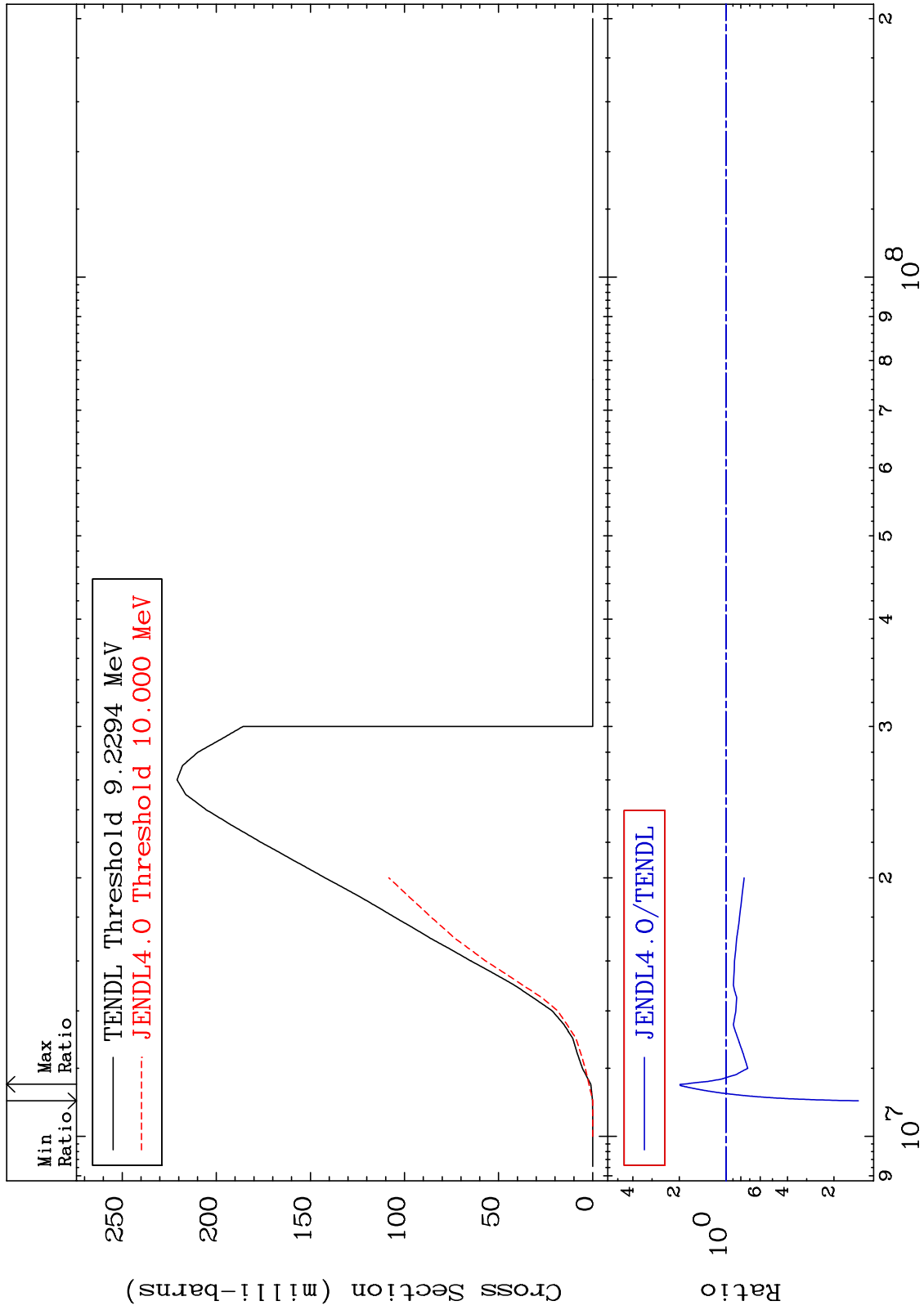
MAT 3631

(n,n') p

<sup>36</sup>Kr-80

Cross Section

-86.10 To 97.92 %



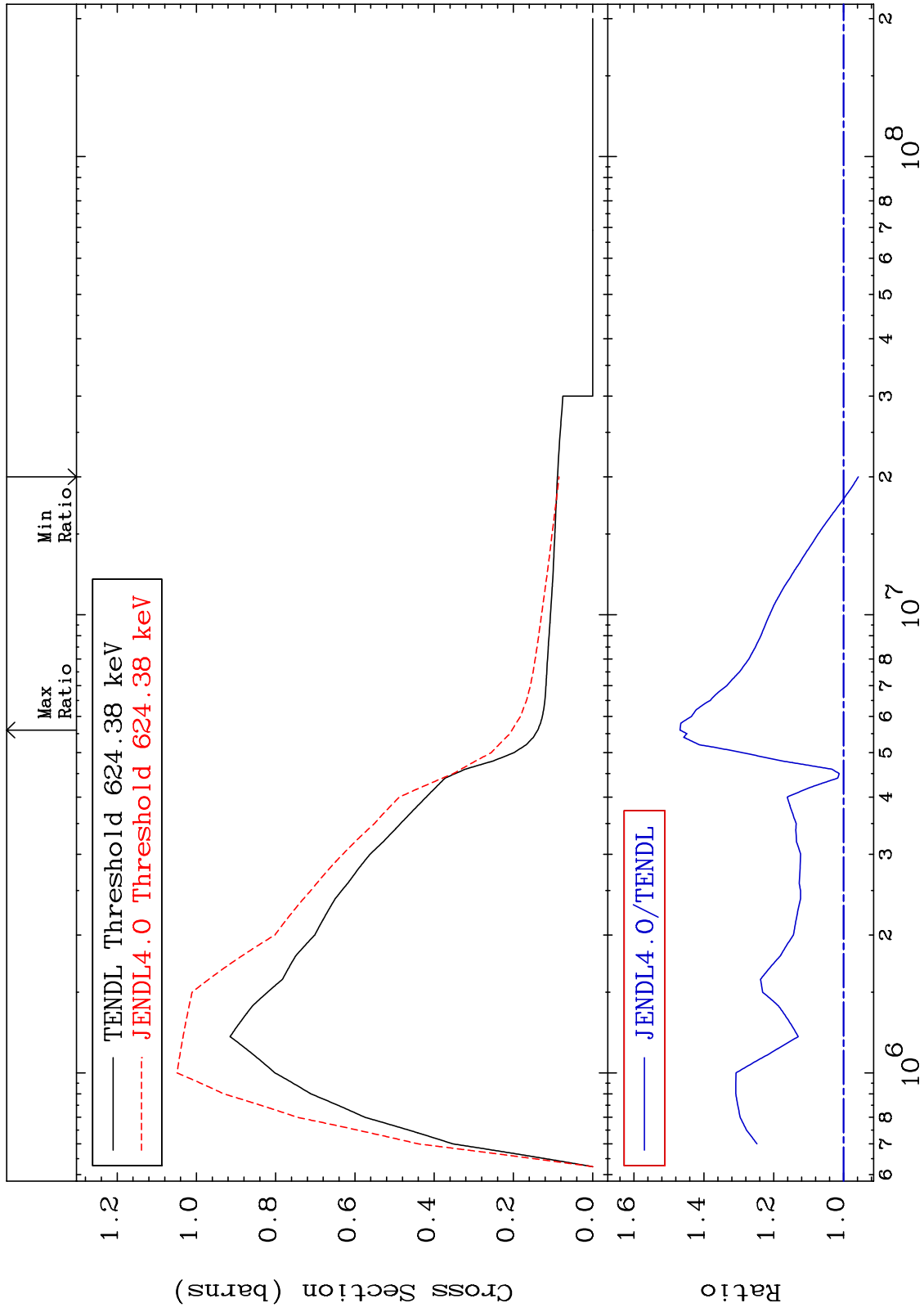
36-Kr-80

36-Kr-80

MAT 3631

MT= 51 (n,n') Level  
Cross Section

36-Kr-80  
-4.265 To 46.82 %



7

Incident Energy (eV)

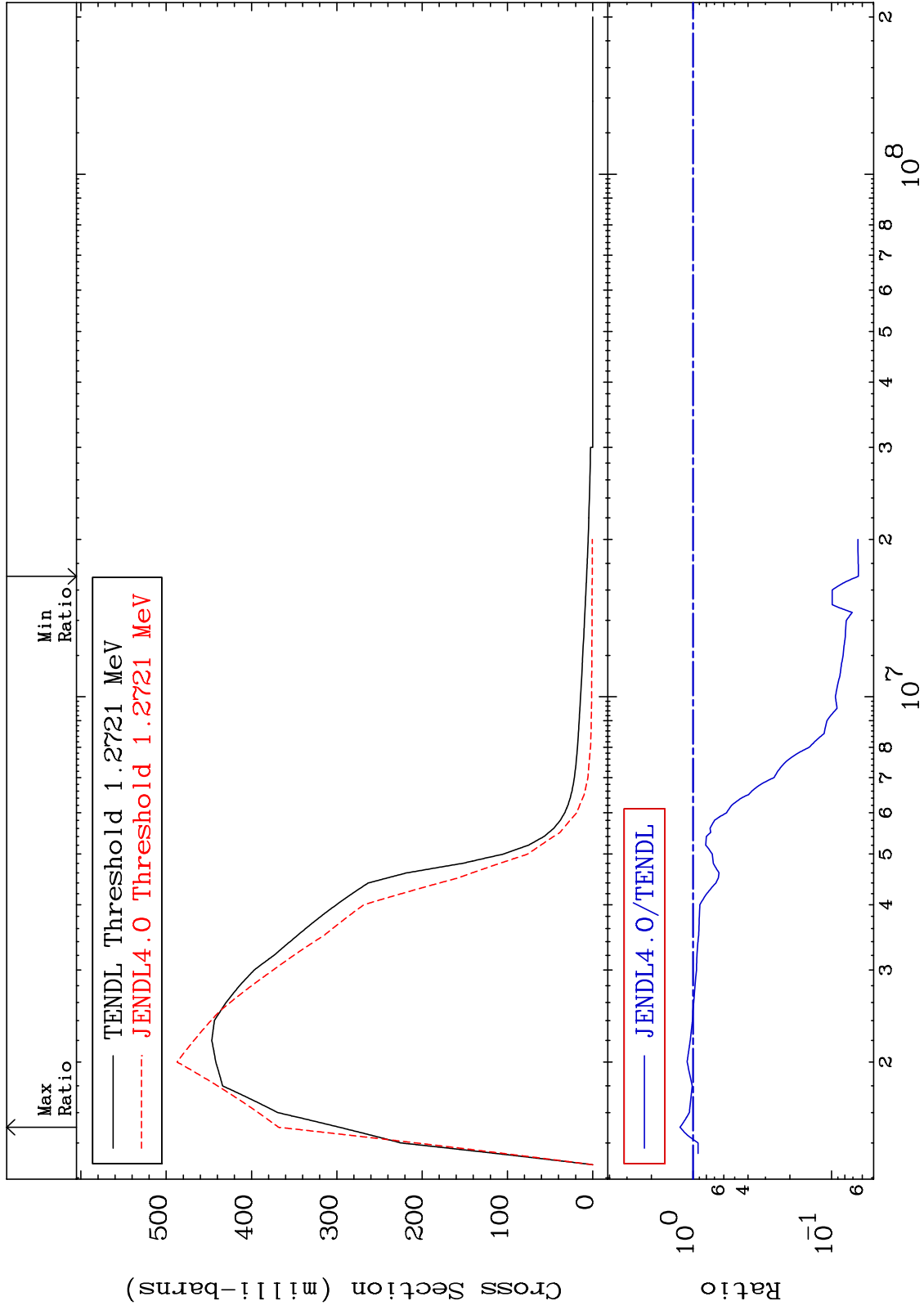
36-Kr-80



MAT 3631

MT= 52 (n,n') Level  
Cross Section

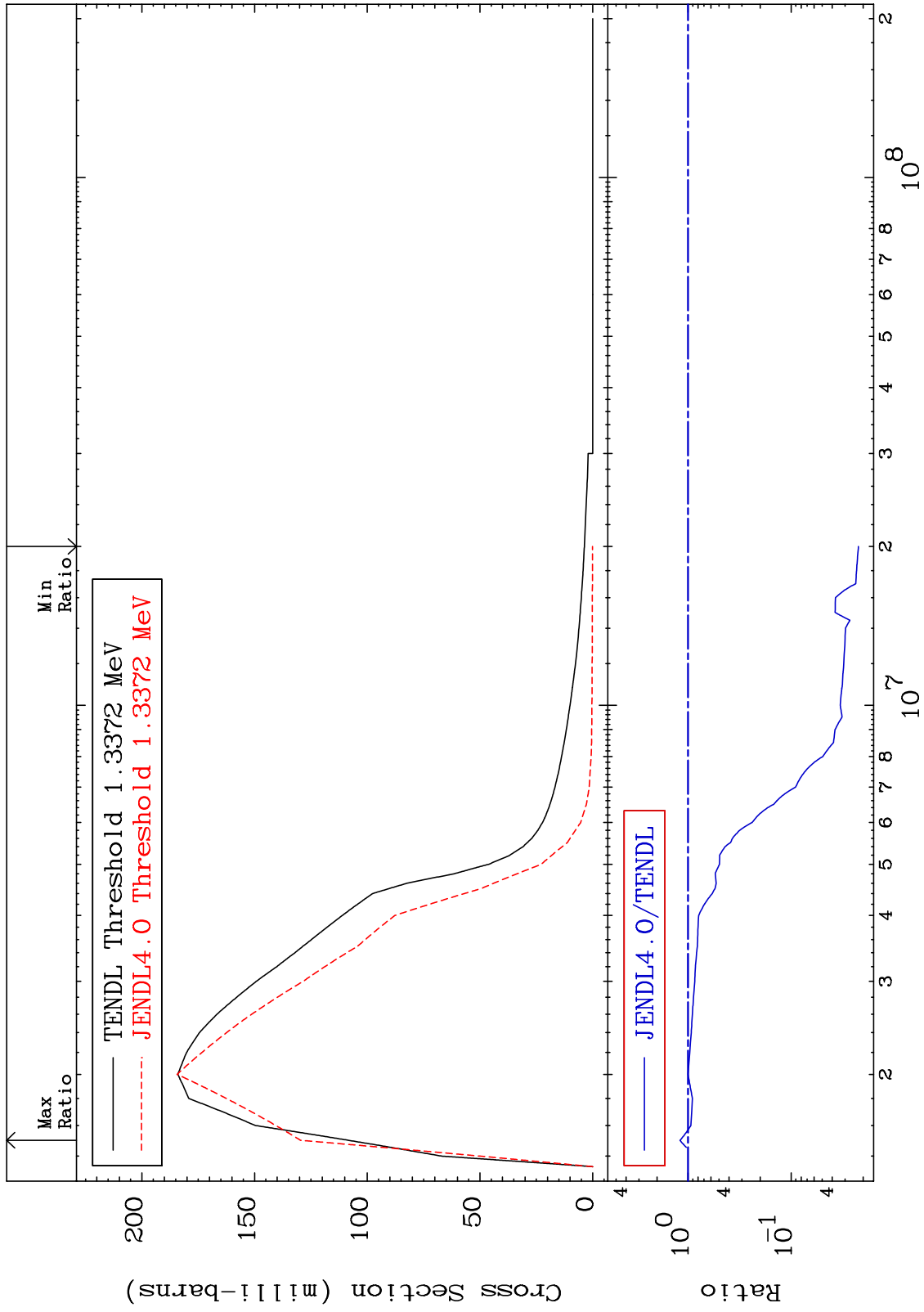
36-Kr-80  
-93.61 To 24.06 %



MAT 3631

MT= 53 (n, n') Level  
Cross Section

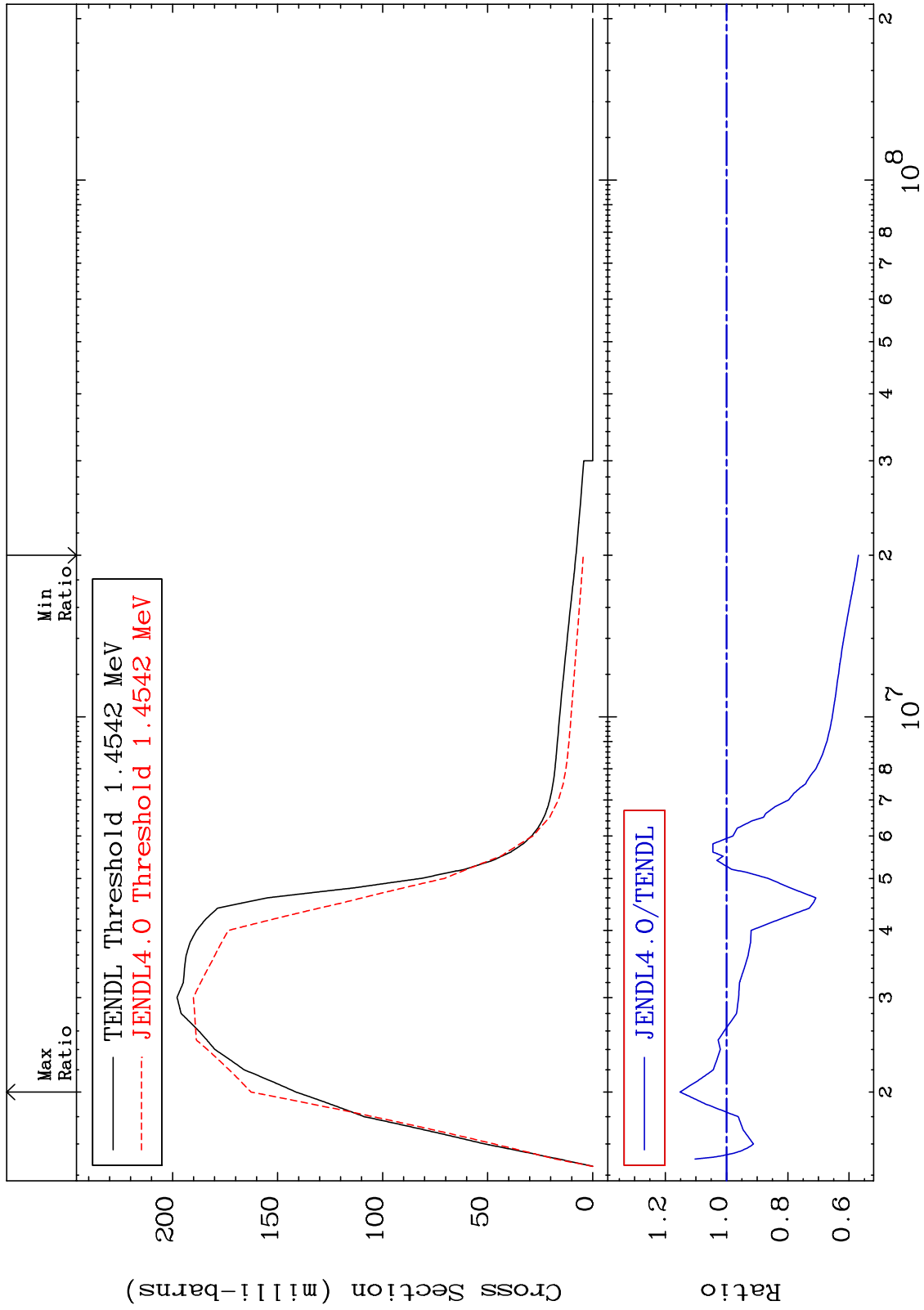
36-Kr-80  
-97.77 To 19.64 %



MAT 3631

MT= 54 (n, n') Level  
Cross Section

36-Kr-80  
-43.04 To 15.18 %



10

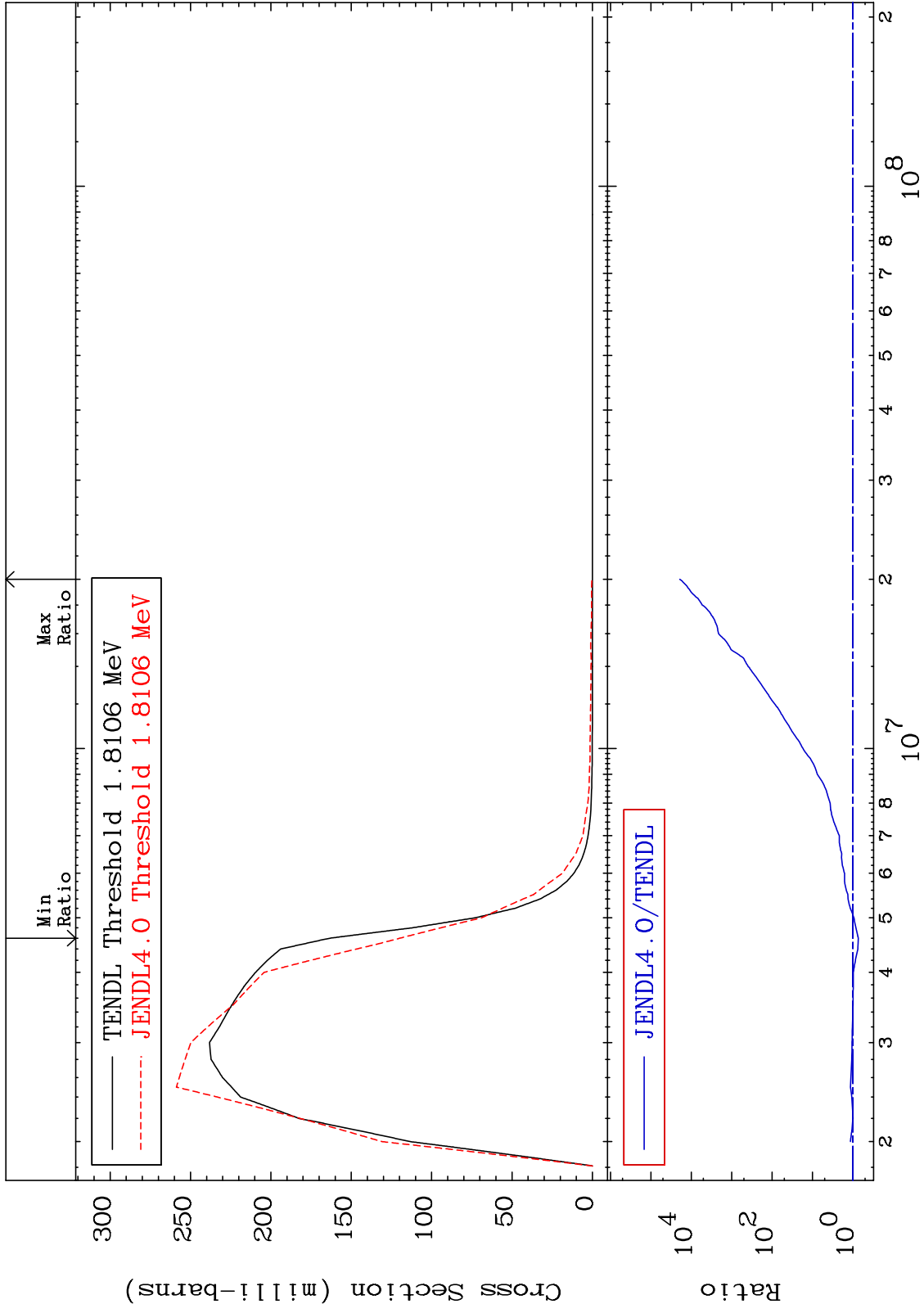
Incident Energy (eV)

36-Kr-80

MAT 3631

MT= 55 (n,n') Level  
Cross Section

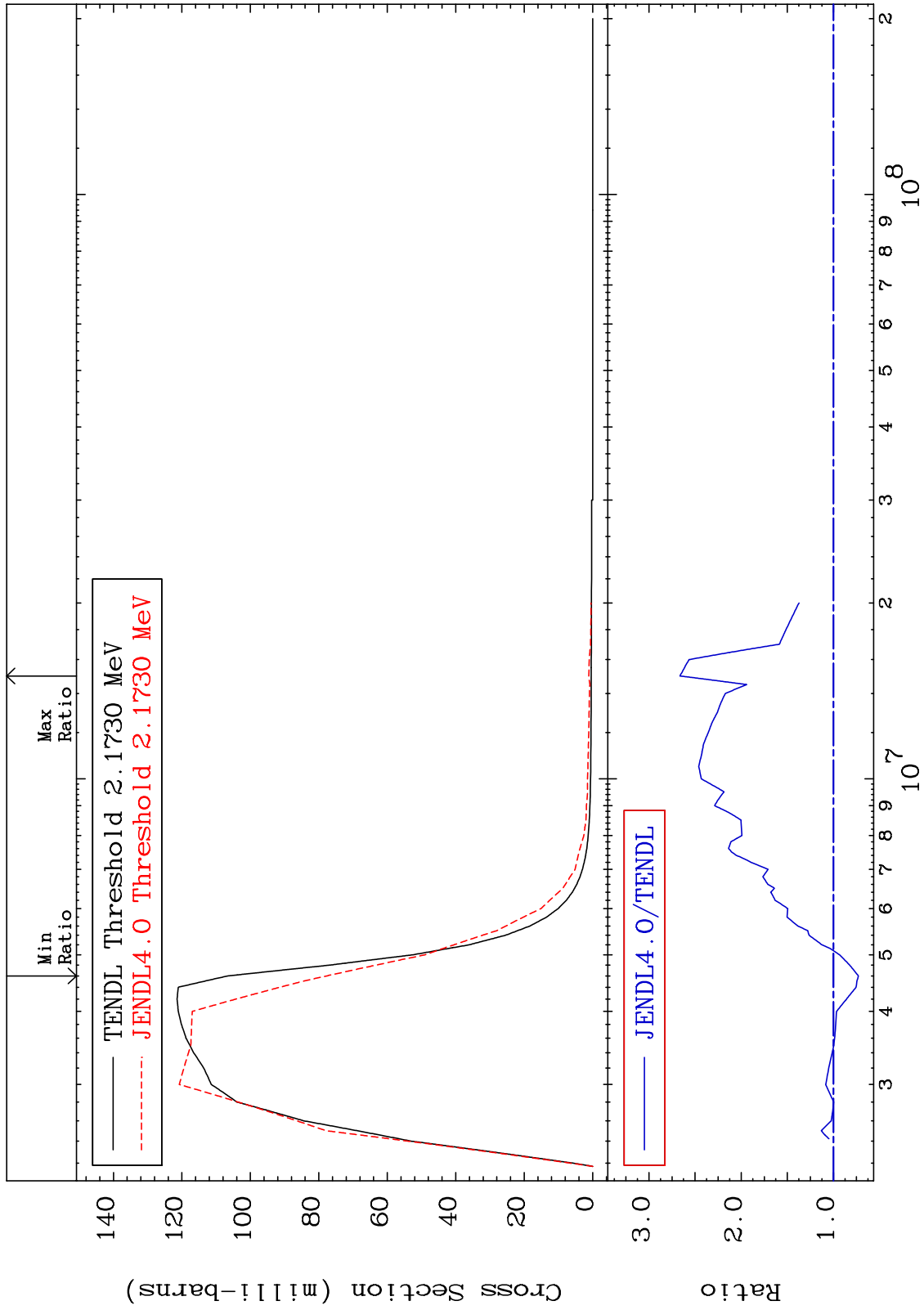
36-Kr-80  
-26.68 To 9999. %



MAT 3631

MT= 56 (n,n') Level  
Cross Section

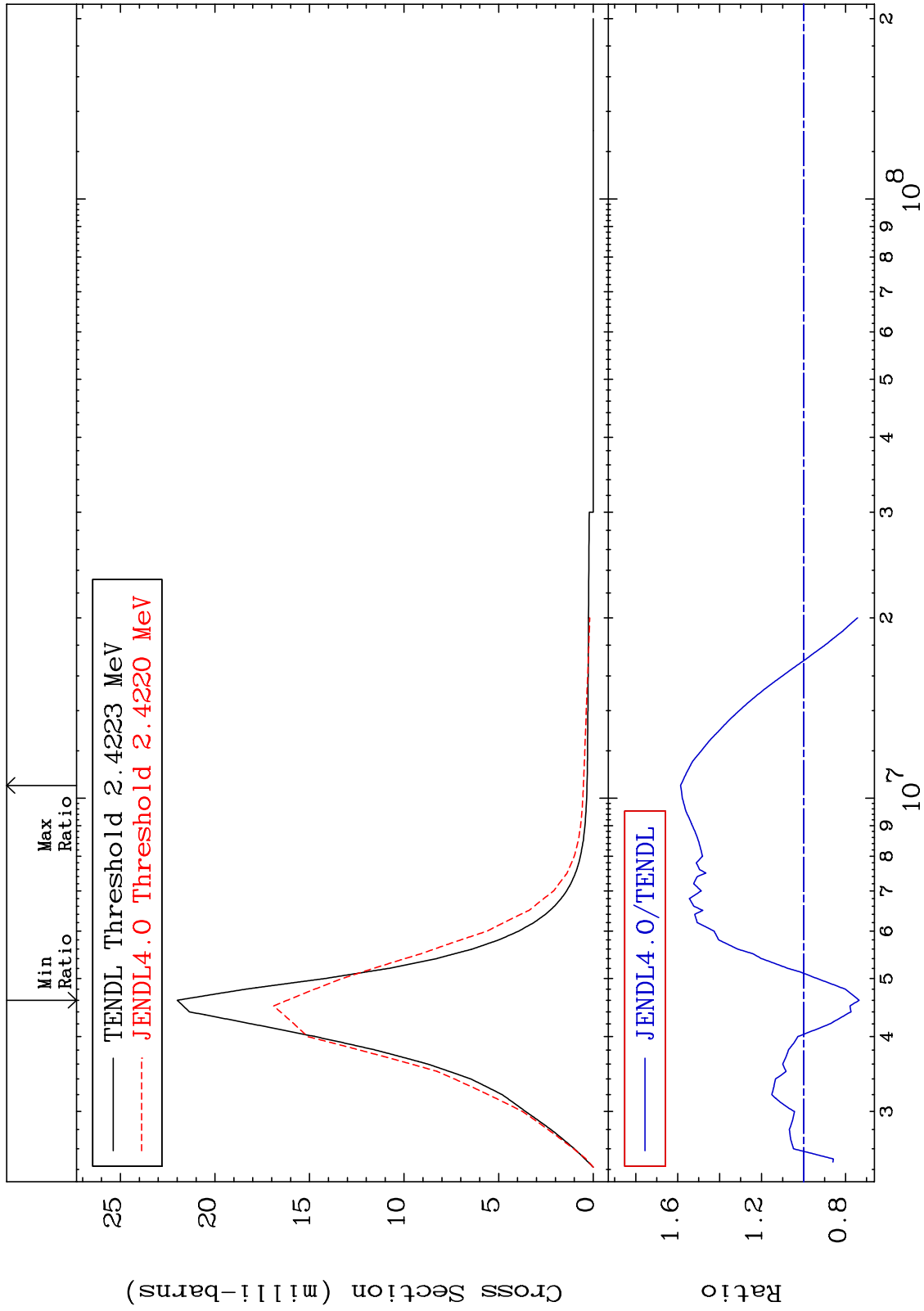
36-Kr-80  
-27.06 To 166.3 %



MAT 3631

MT= 57 (n, n') Level  
Cross Section

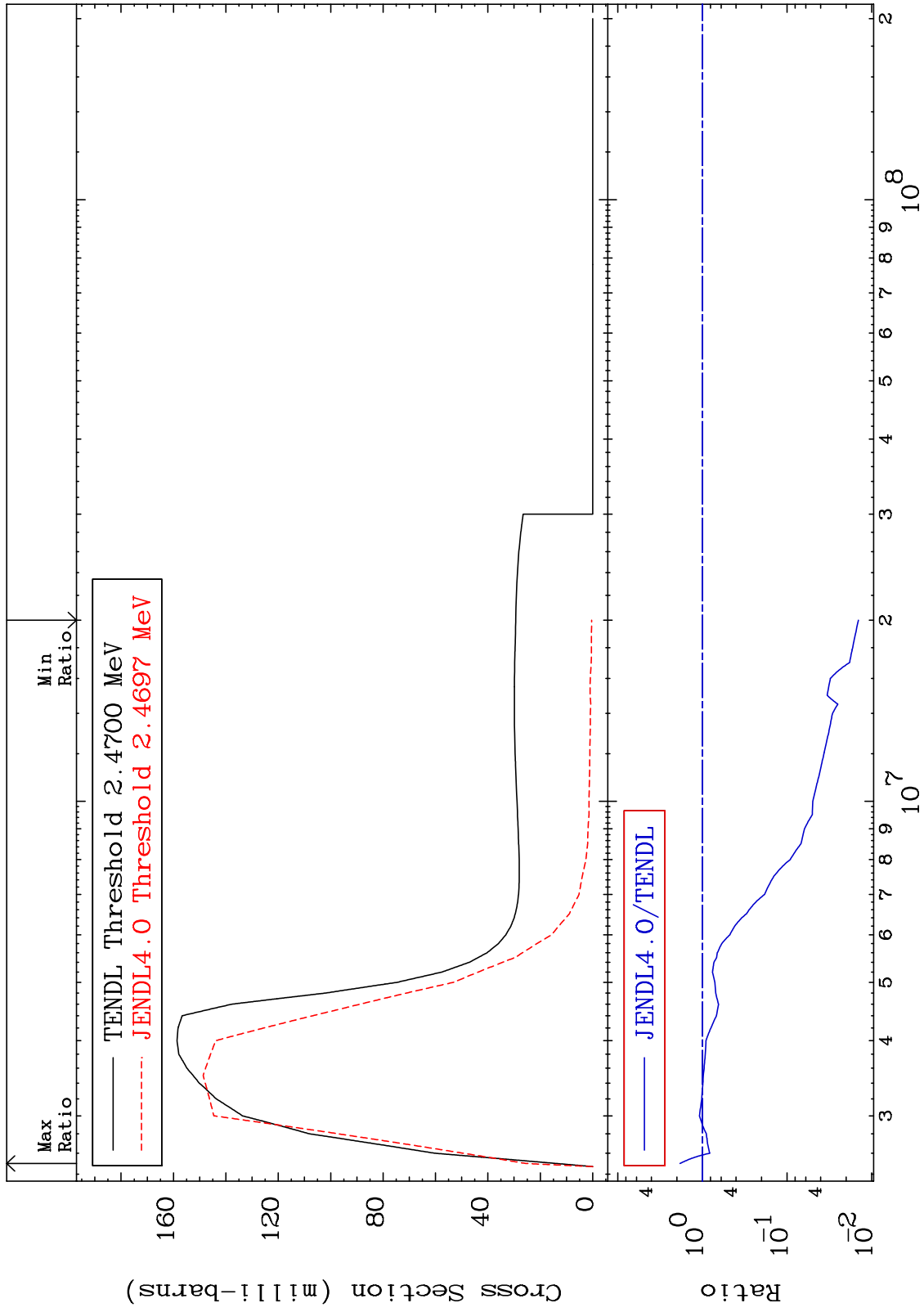
36-Kr-80  
-26.46 To 58.60 %



MAT 3631

MT= 58 (n,n') Level  
Cross Section

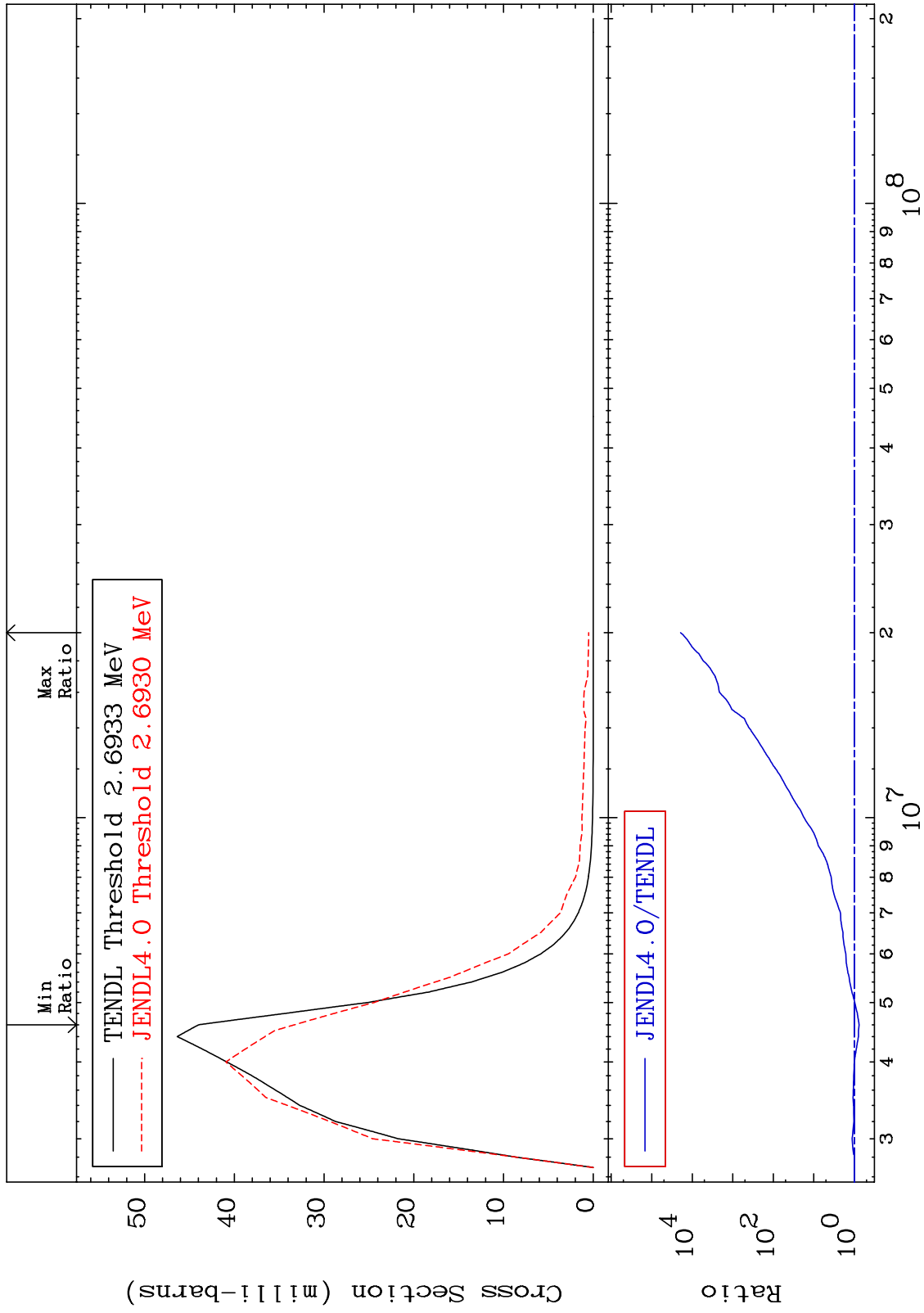
36-Kr-80  
-98.57 To 83.61 %



MAT 3631

MT= 59 (n,n') Level  
Cross Section

36-Kr-80  
-24.31 To 9999. %

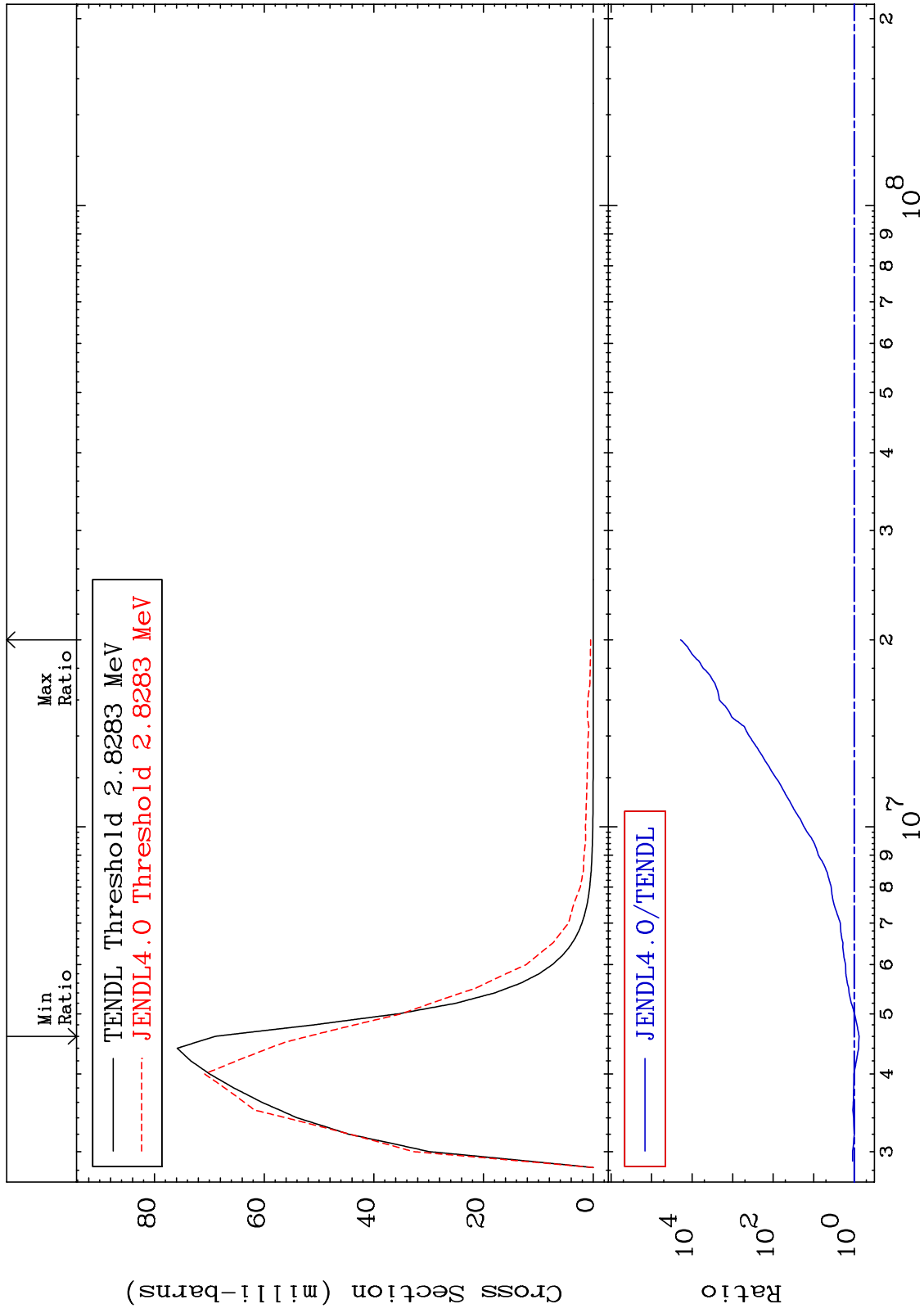




MAT 3631

MT= 60 (n,n') Level  
Cross Section

36-Kr-80  
-24.55 To 9999. %



16

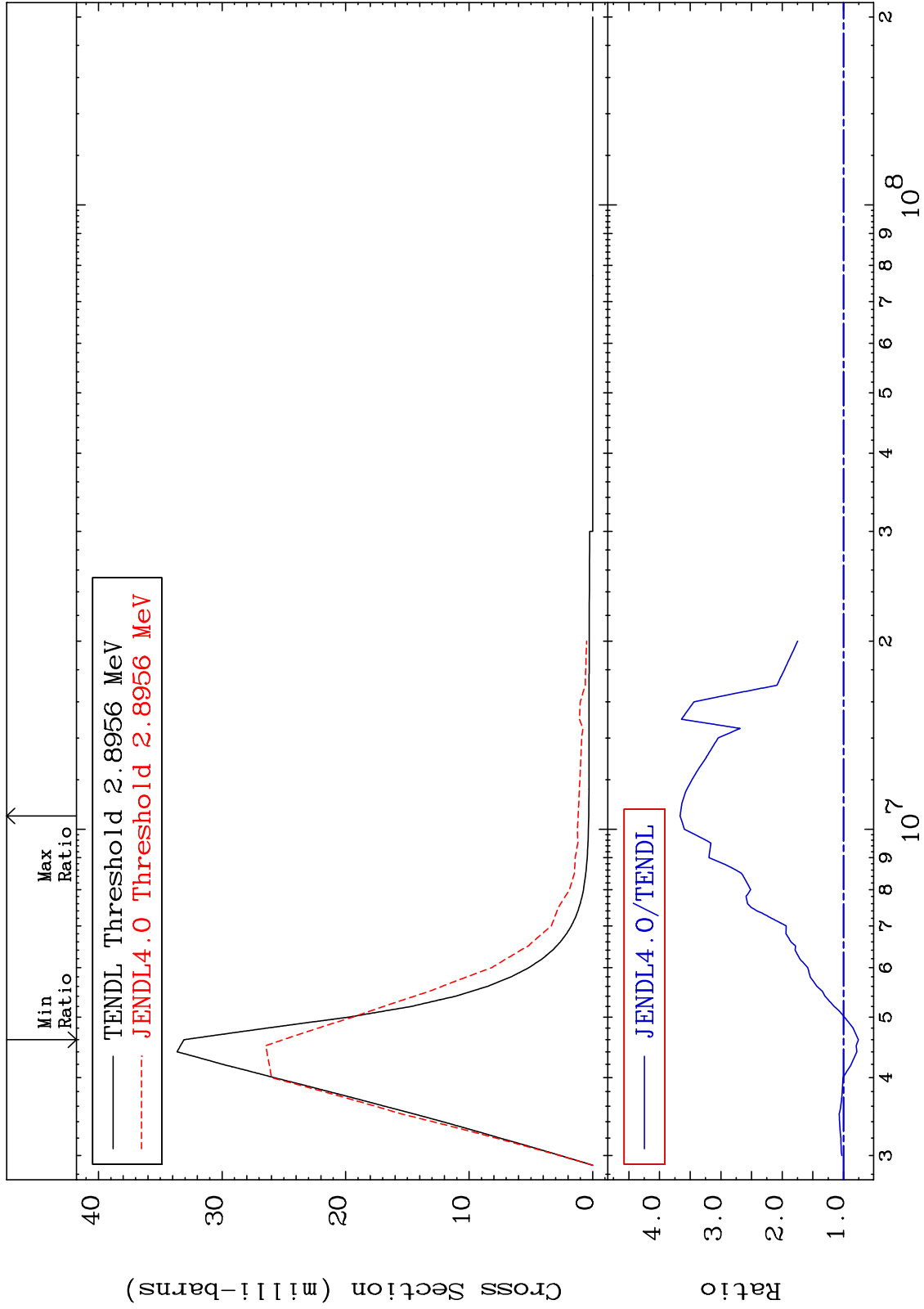
Incident Energy (eV)

36-Kr-80

MAT 3631

MT= 61 (n,n') Level  
Cross Section

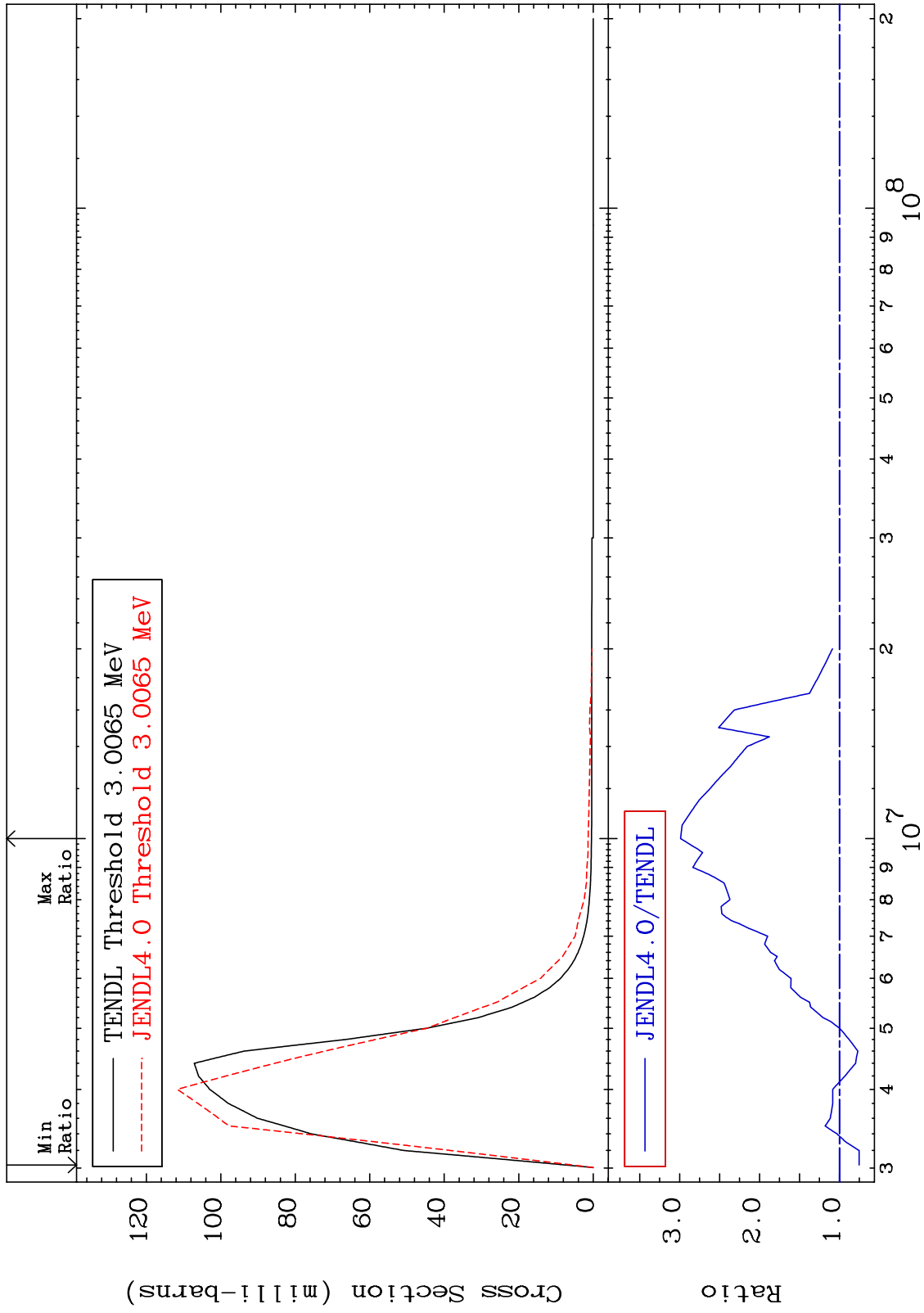
36-Kr-80  
-24.27 To 266.6 %



MAT 3631

MT= 62 (n,n') Level  
Cross Section

36-Kr-80  
-24.72 To 198.8 %



18

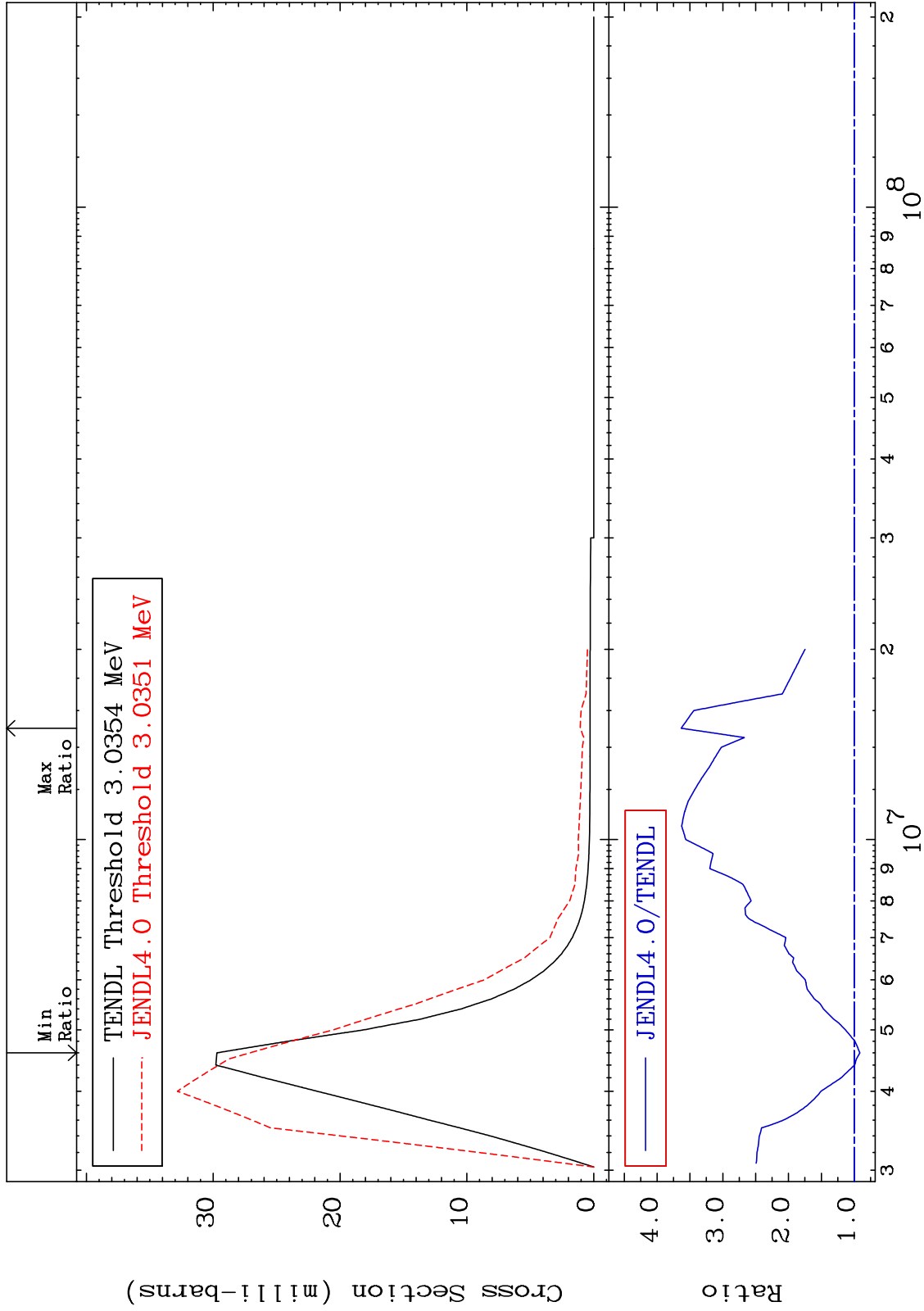
Incident Energy (eV)

36-Kr-80

MAT 3631

MT= 63 (n,n') Level  
Cross Section

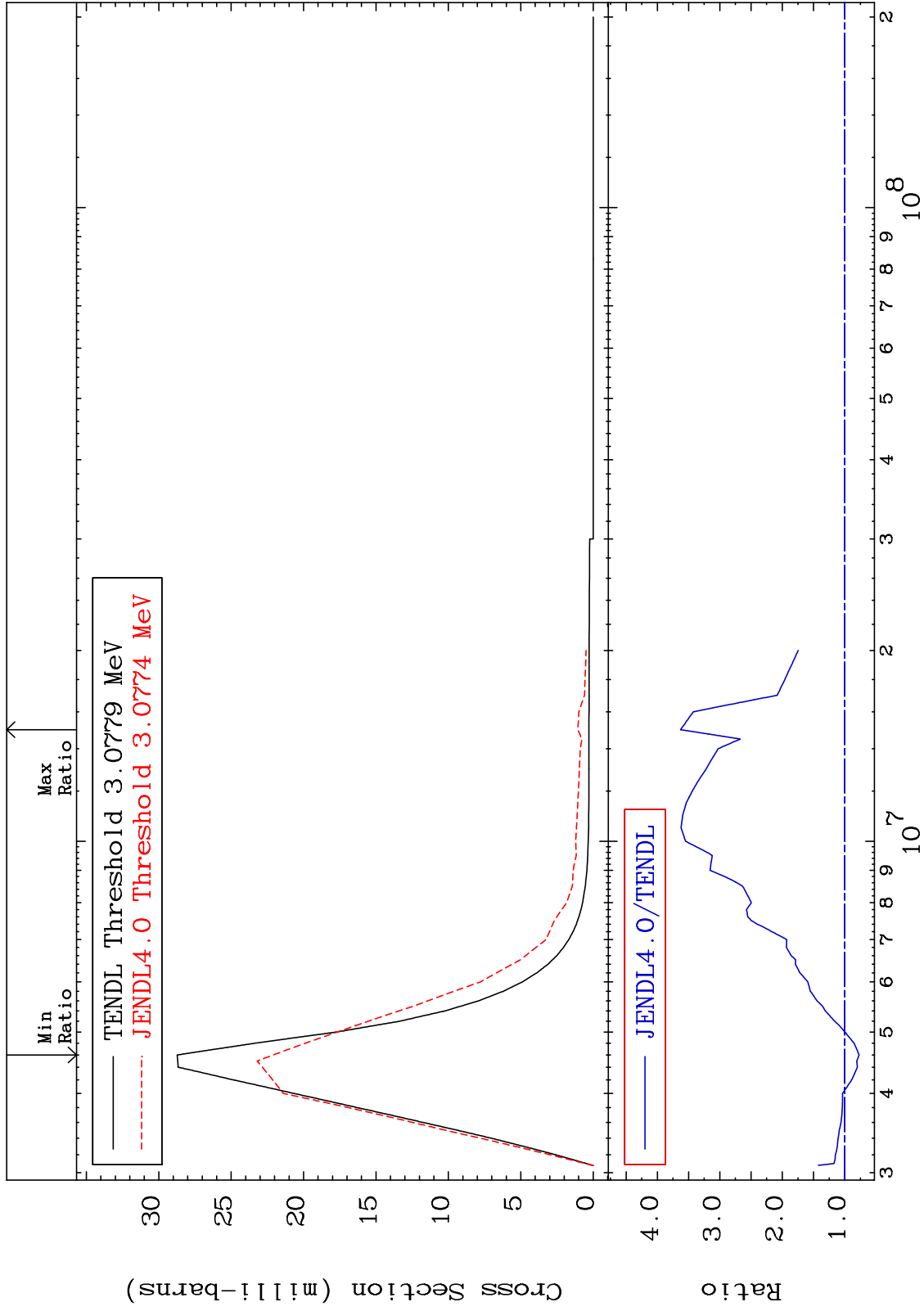
36-Kr-80  
-8.770 To 263.3 %



MAT 3631

MT= 64 (n,n') Level  
Cross Section

36-Kr-80  
-23.06 To 262.7 %

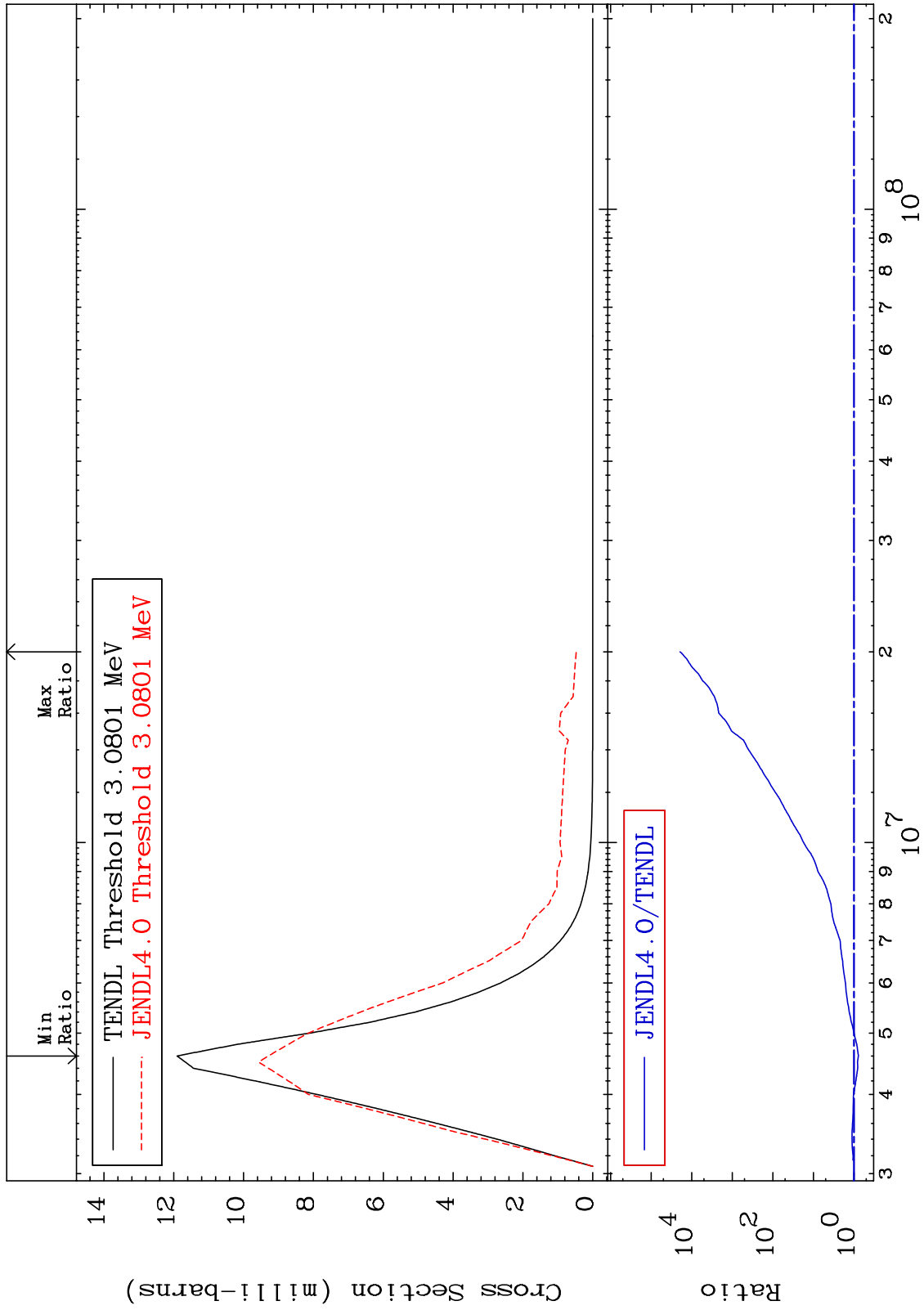


20

Incident Energy (eV)

36-Kr-80

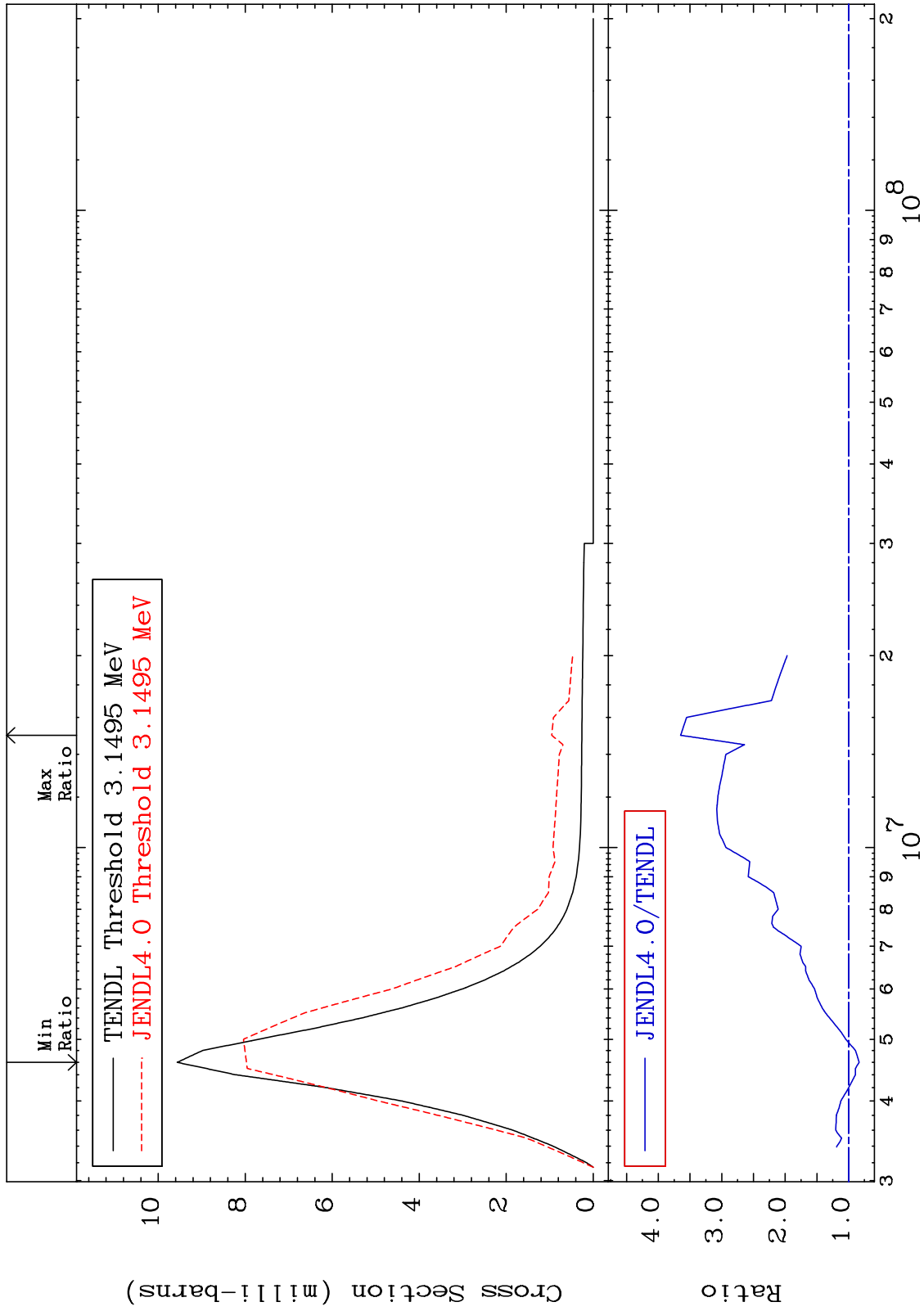
MAT 3631 MT= 65 (n,n') Level Cross Section -21.98 To 9999. % 36-Kr-80



MAT 3631

MT= 66 (n,n') Level  
Cross Section

36-Kr-80  
-16.65 To 264.8 %



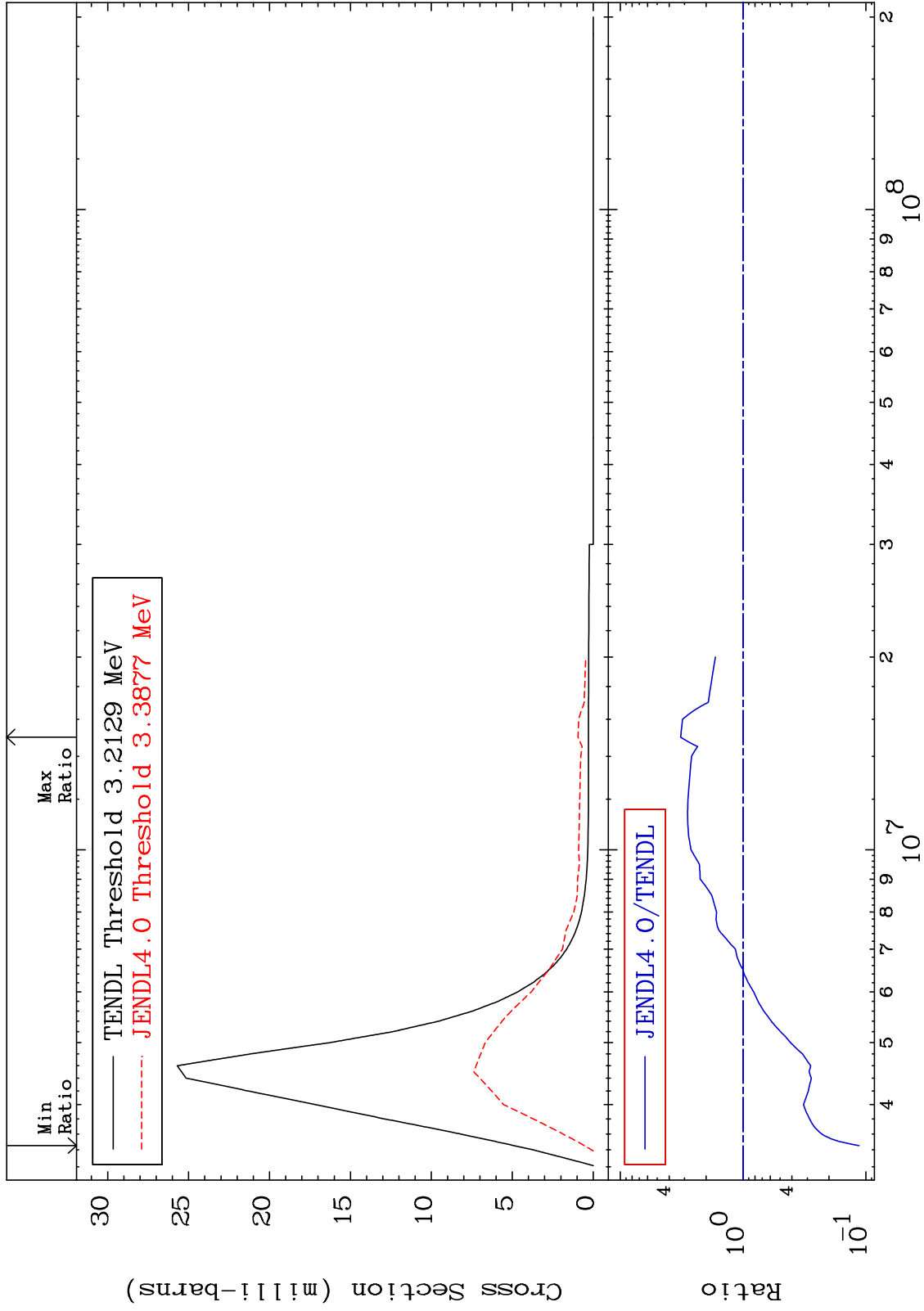
36-Kr-80

Incident Energy (eV)

MAT 3631

MT= 67 (n,n') Level  
Cross Section

36-Kr-80  
-88.65 To 222.6 %

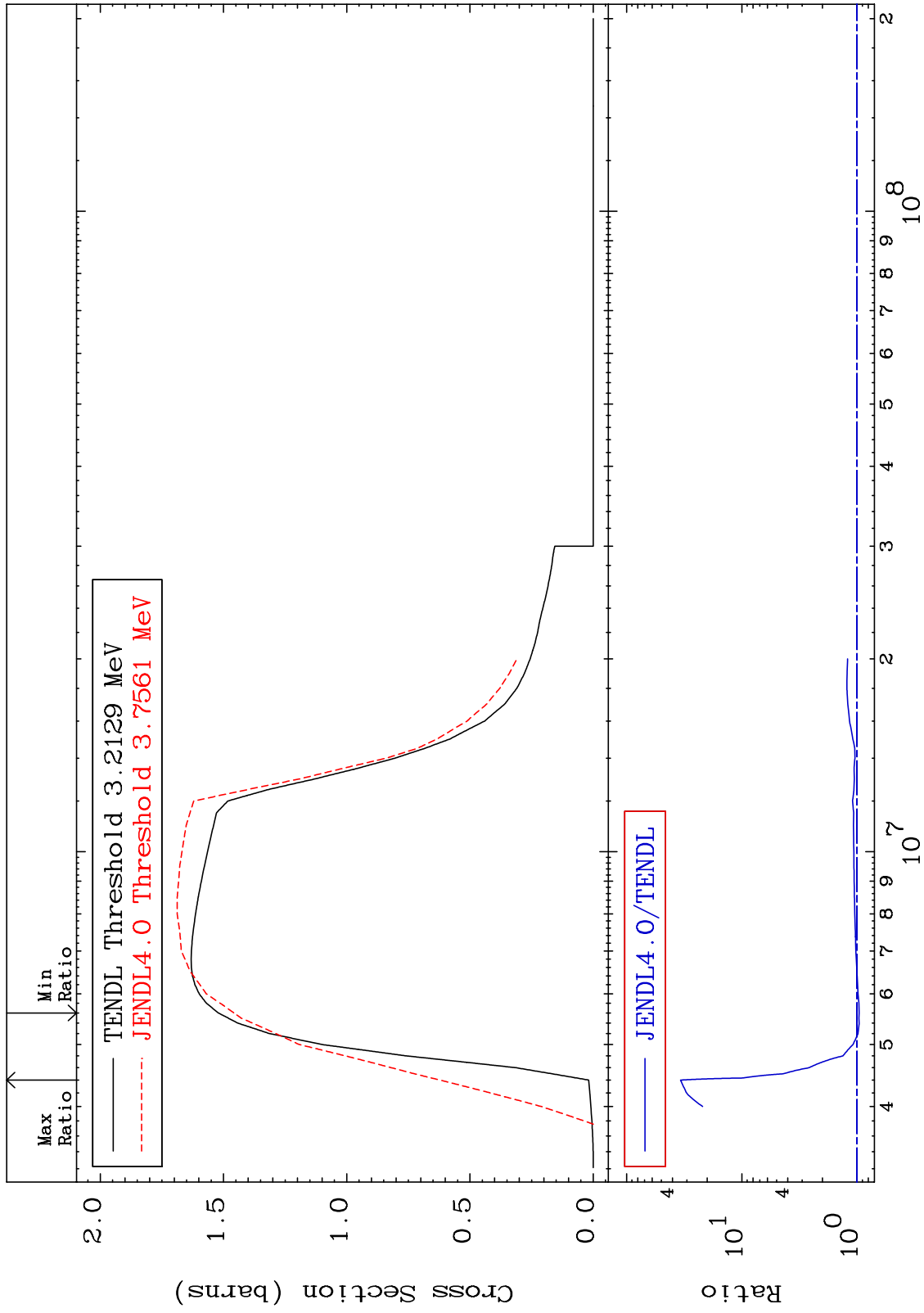




MAT 3631

(n,n') Continuum  
Cross Section

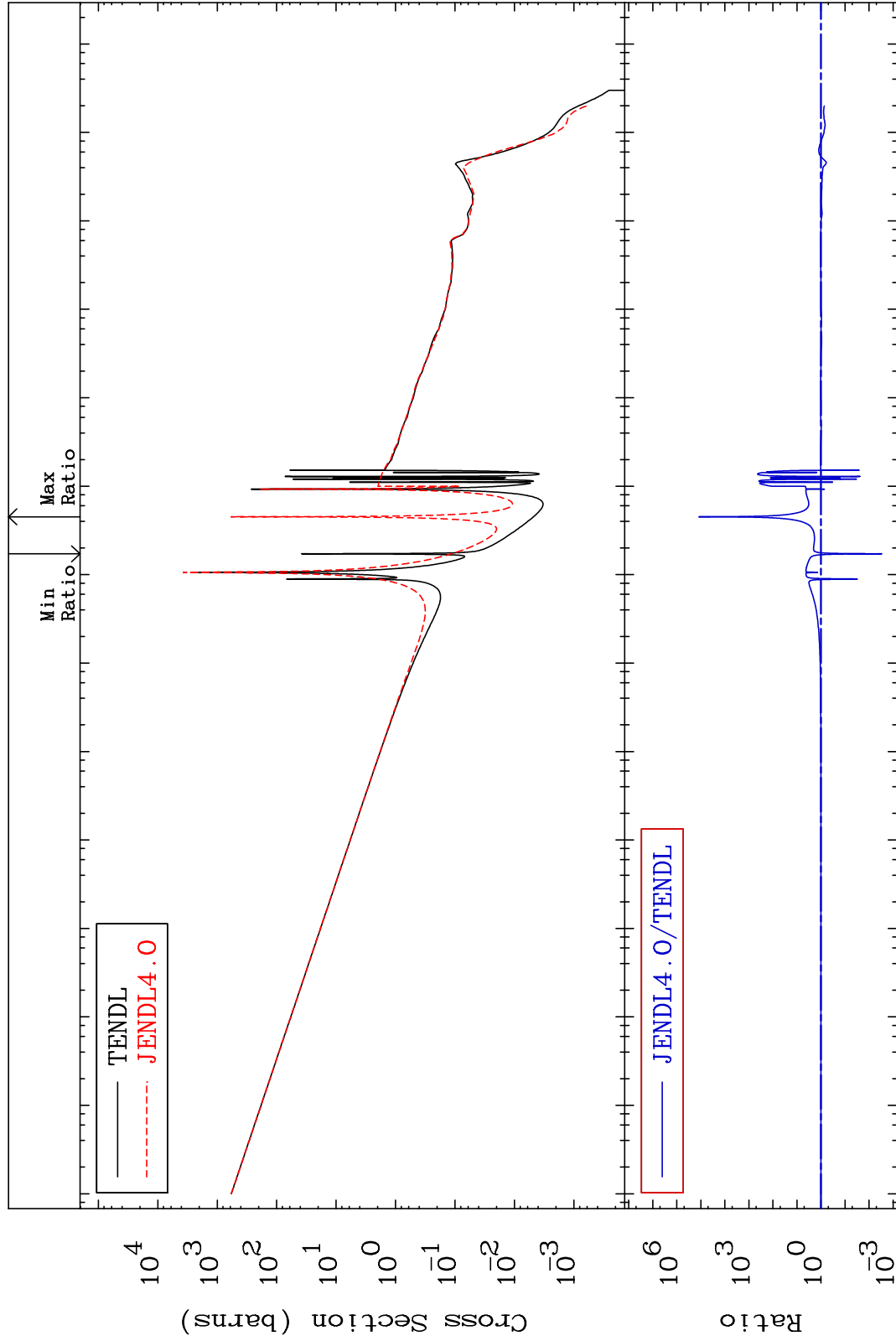
36-Kr-80  
-4.192 To 3301. %



MAT 3631

(n,  $\gamma$ )  
Cross Section

36-Kr-80  
-99.70 To 9999. %



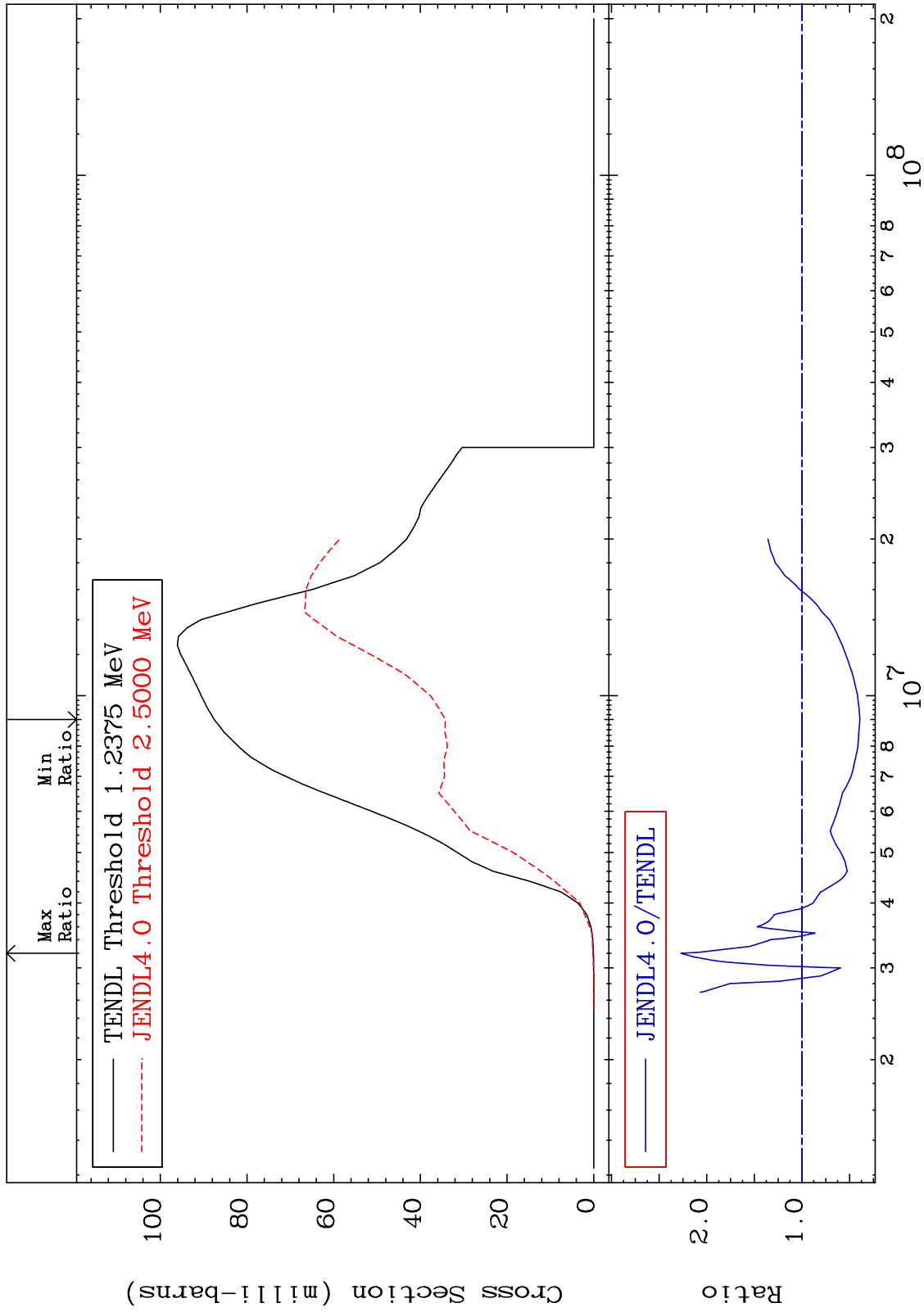
MAT 3631

(n,p)

<sup>36</sup>Kr-80

Cross Section

-60.87 To 126.8 %



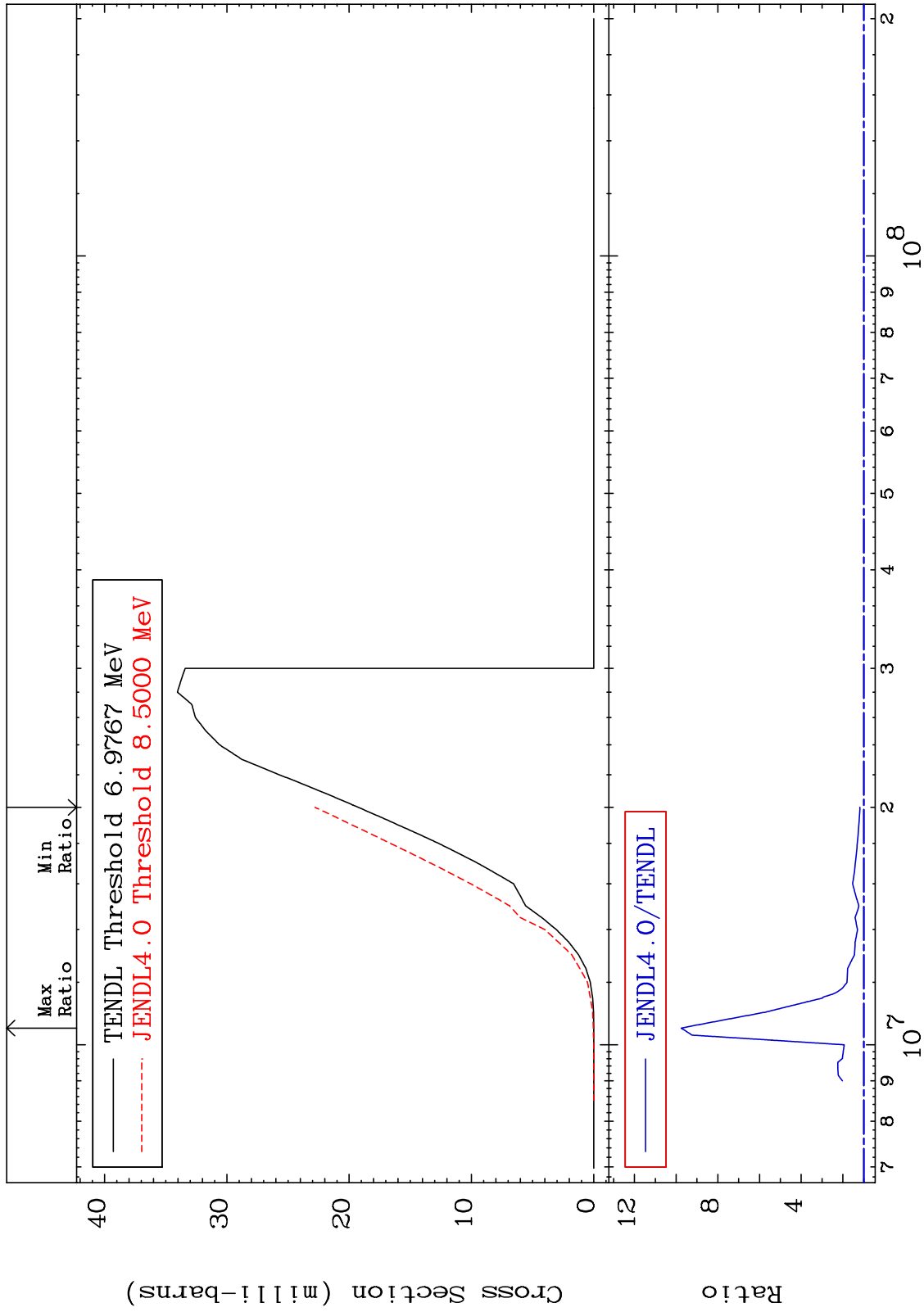
MAT 3631

(n, d)

36-Kr-80

Cross Section

18.35 To 875.5 %



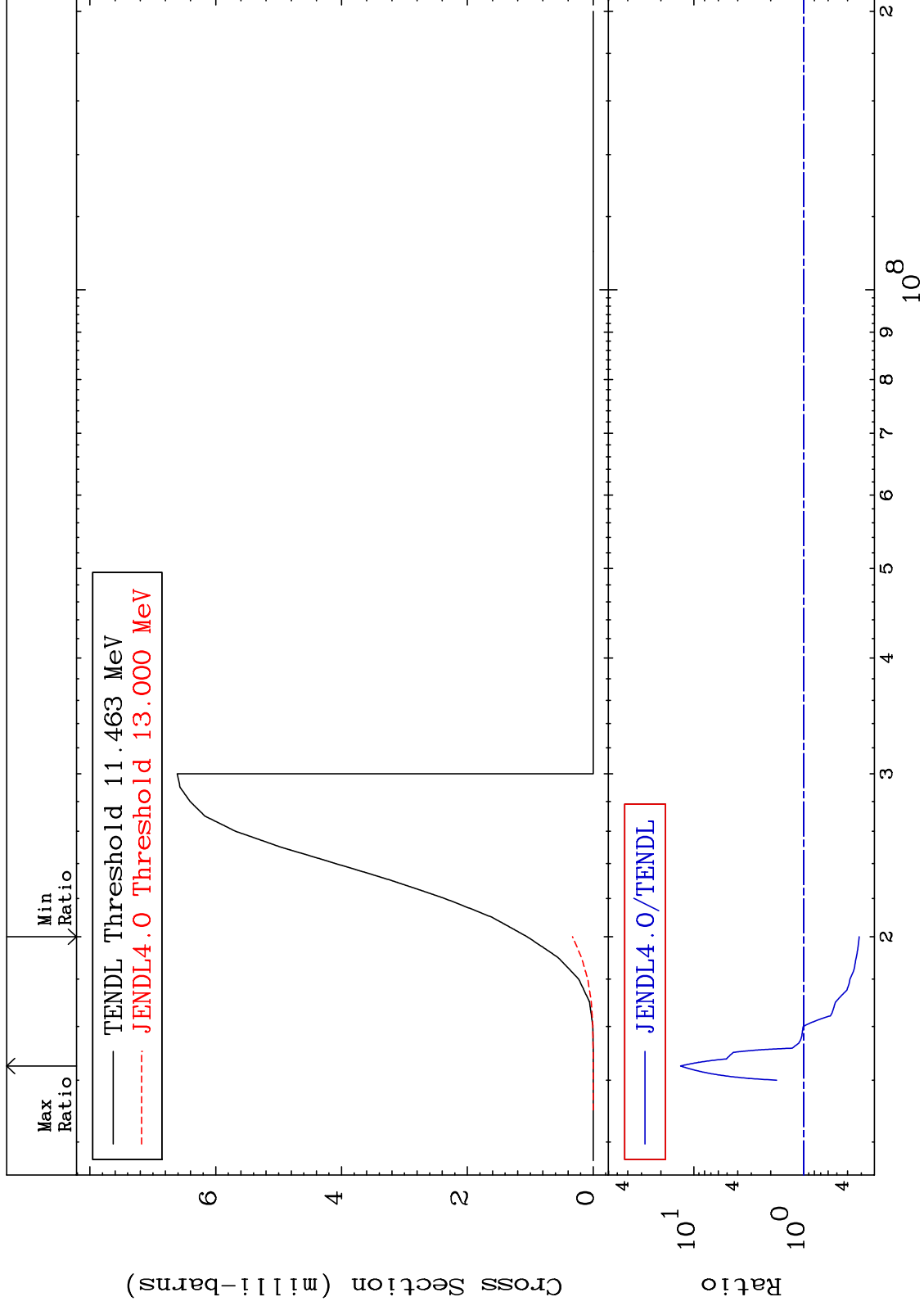
MAT 3631

(n, t)

36-Kr-80

Cross Section

-68.69 To 1222. %



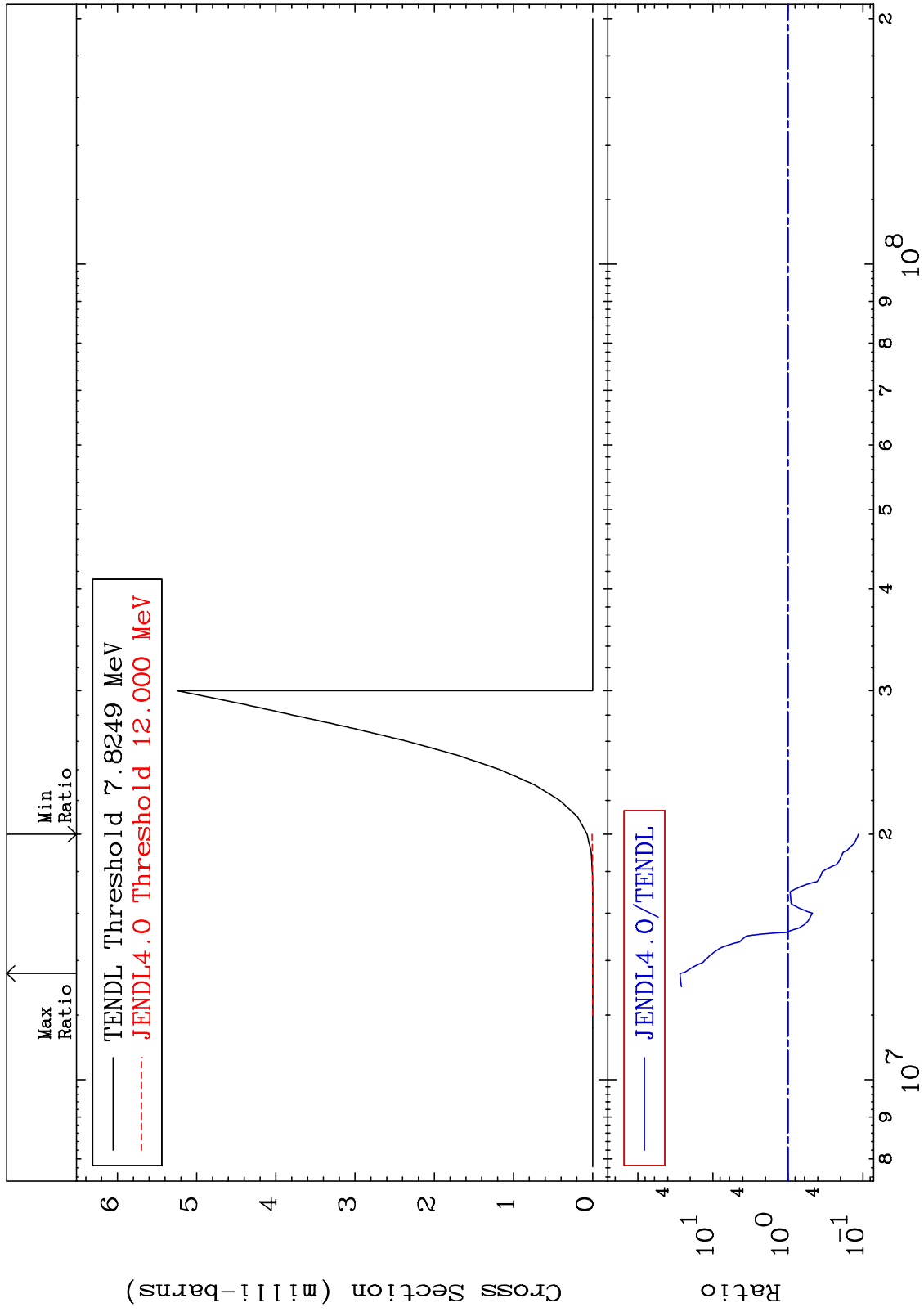
MAT 3631

(n, He-3)

36-Kr-80

Cross Section

-88.50 To 2643. %



29

Incident Energy (eV)

36-Kr-80

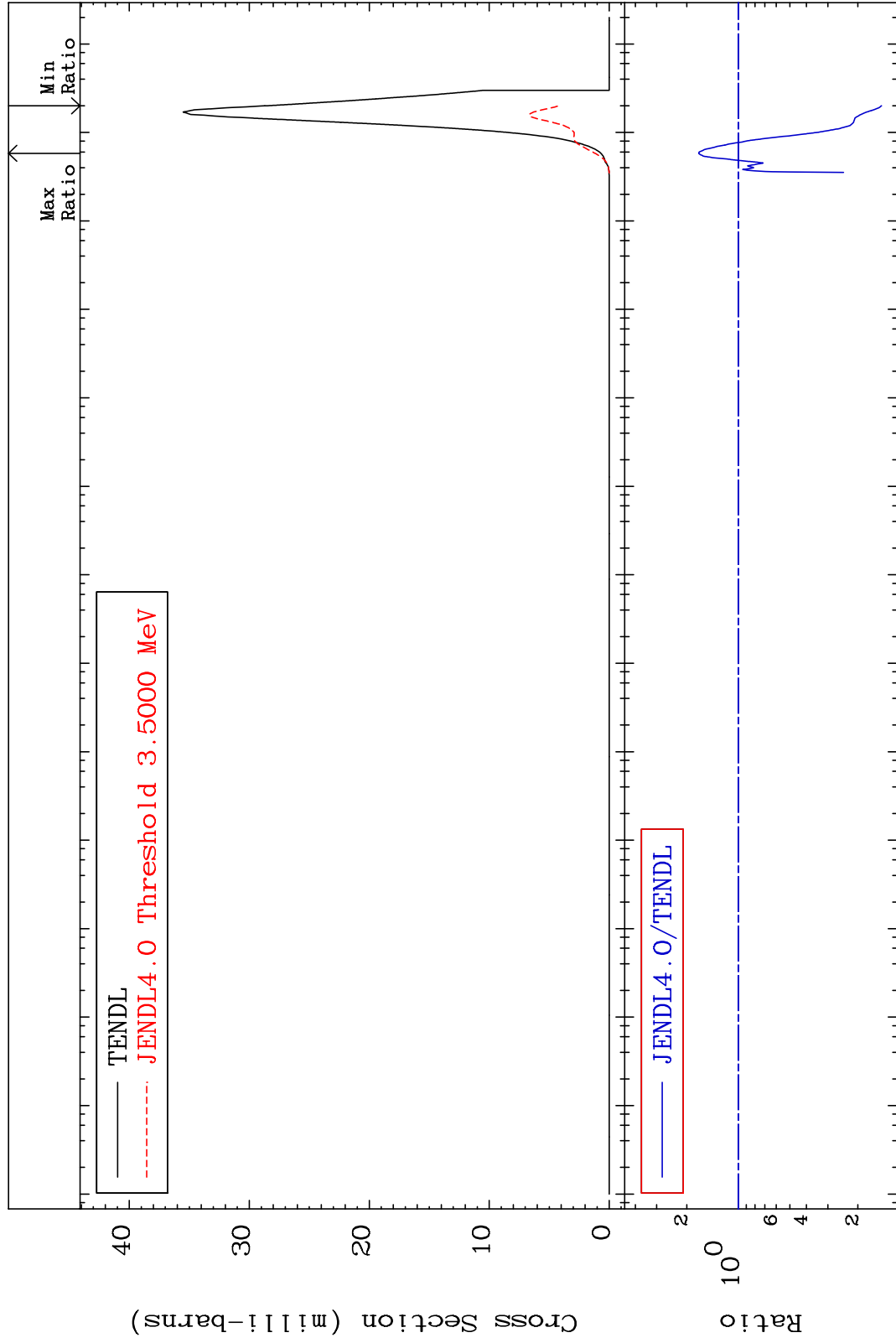
MAT 3631

(n,  $\alpha$ )

36-Kr-80

Cross Section

-85.46 To 70.46 %



30

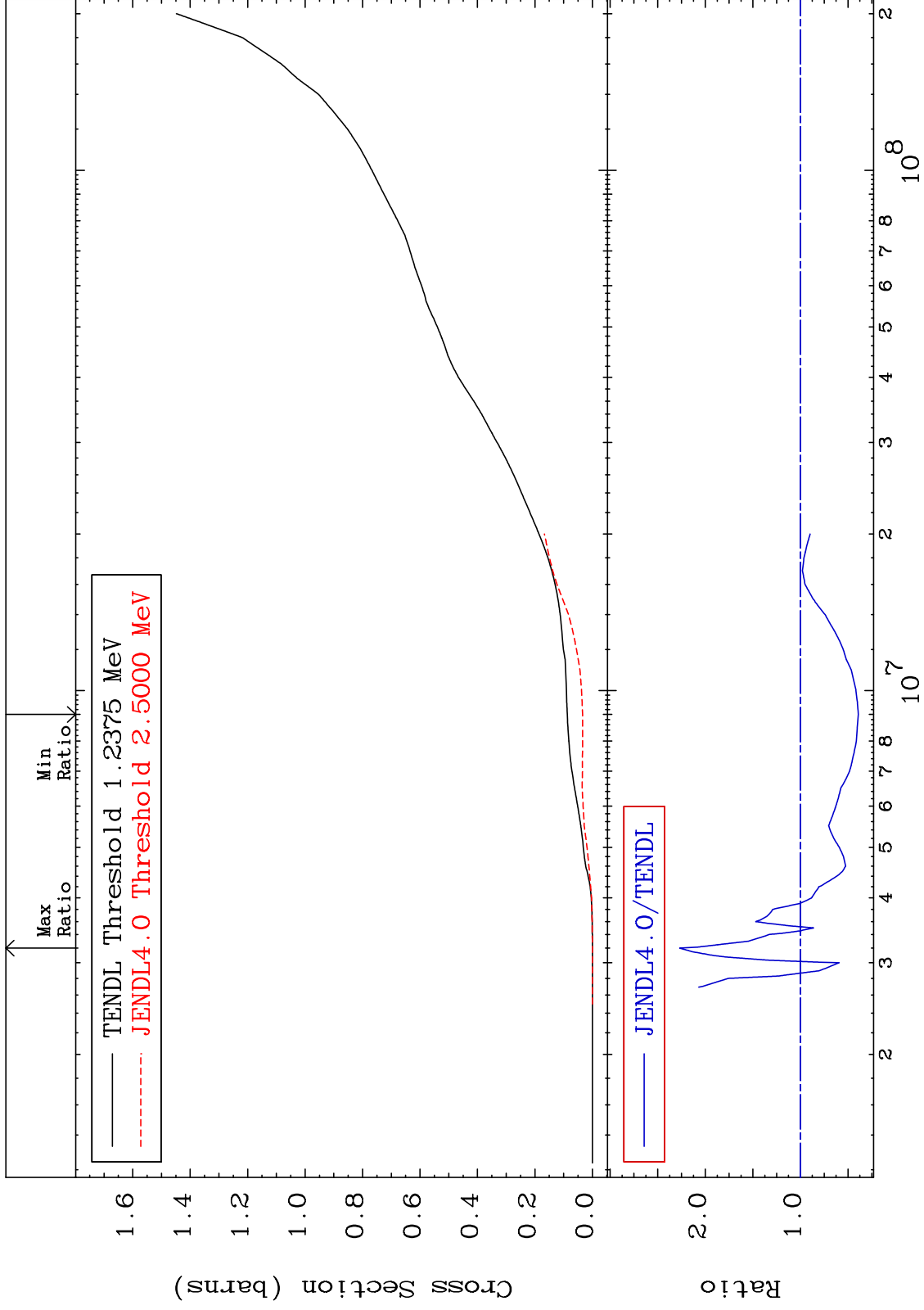
Incident Energy (eV)

36-Kr-80

MAT 3631

Hydrogen Production  
Cross Section

<sup>36</sup>Kr-80  
-60.87 To 126.8 %

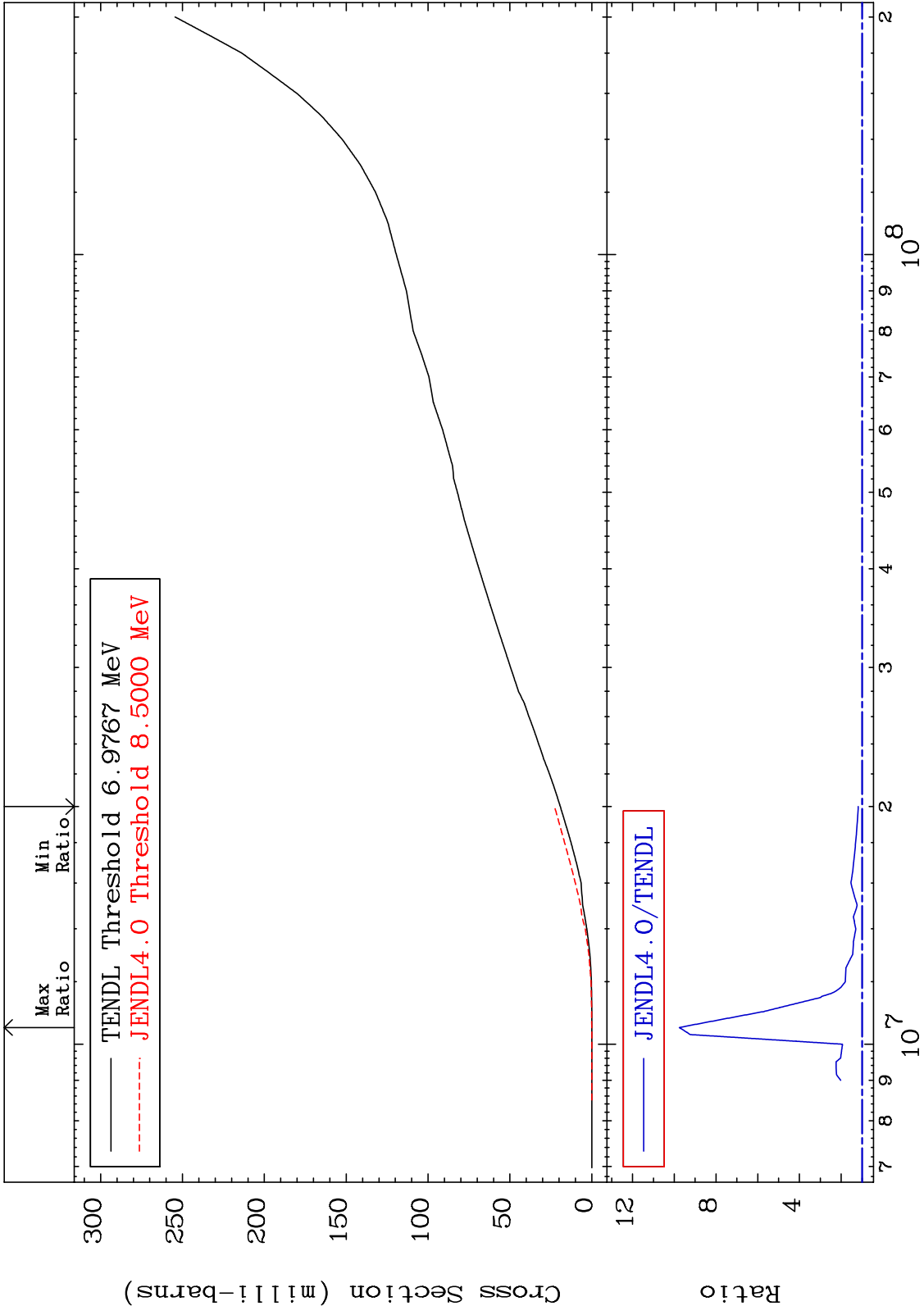




MAT 3631

Deuterium Production  
Cross Section

<sup>36</sup>Kr-80  
18.33 To 875.5 %



32

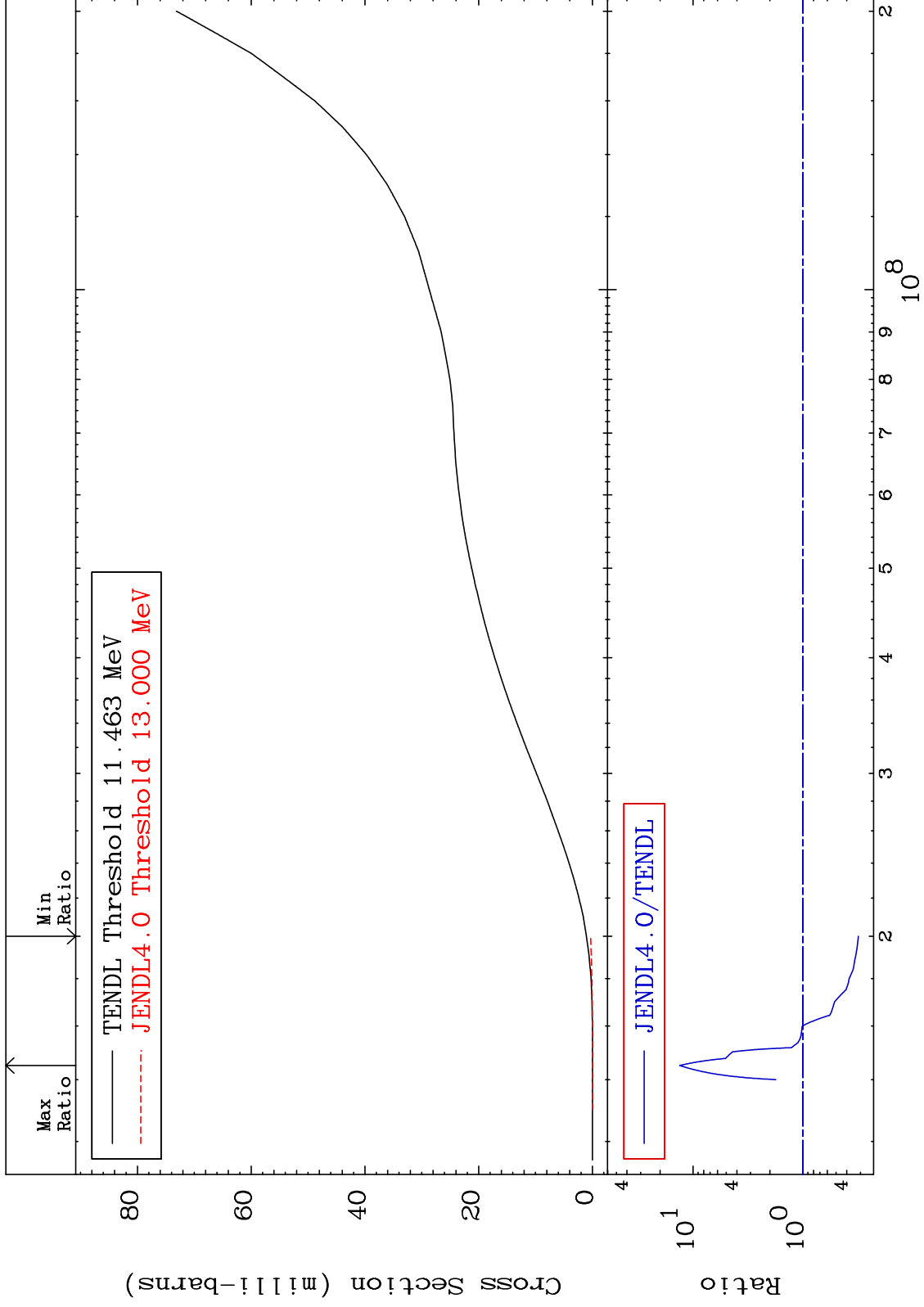
Incident Energy (eV)

<sup>36</sup>Kr-80

MAT 3631

Tritium Production  
Cross Section

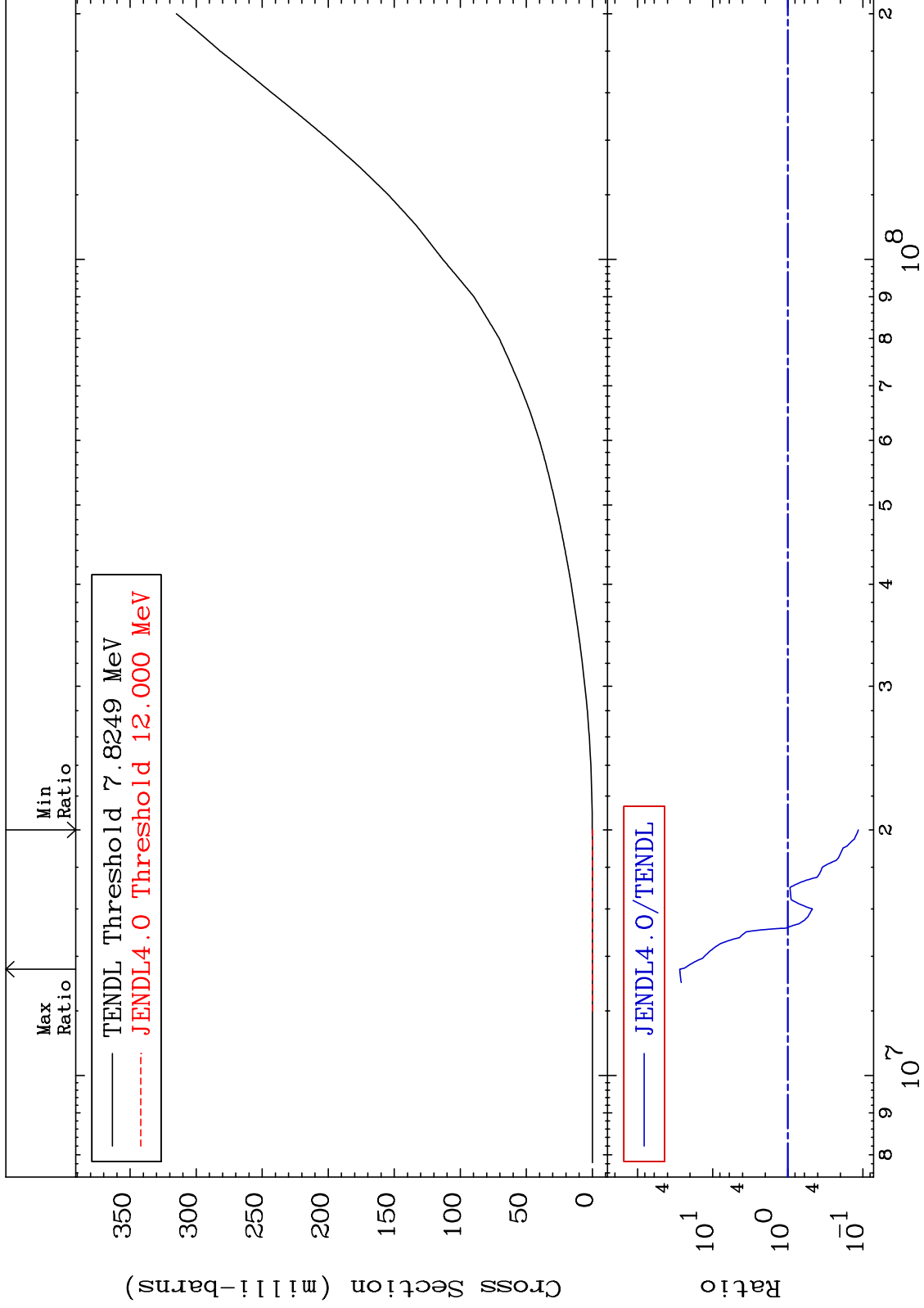
<sup>36</sup>Kr-80  
-68.69 To 1222. %



MAT 3631

He-3 Production  
Cross Section

36-Kr-80  
-88.50 To 2643. %



34

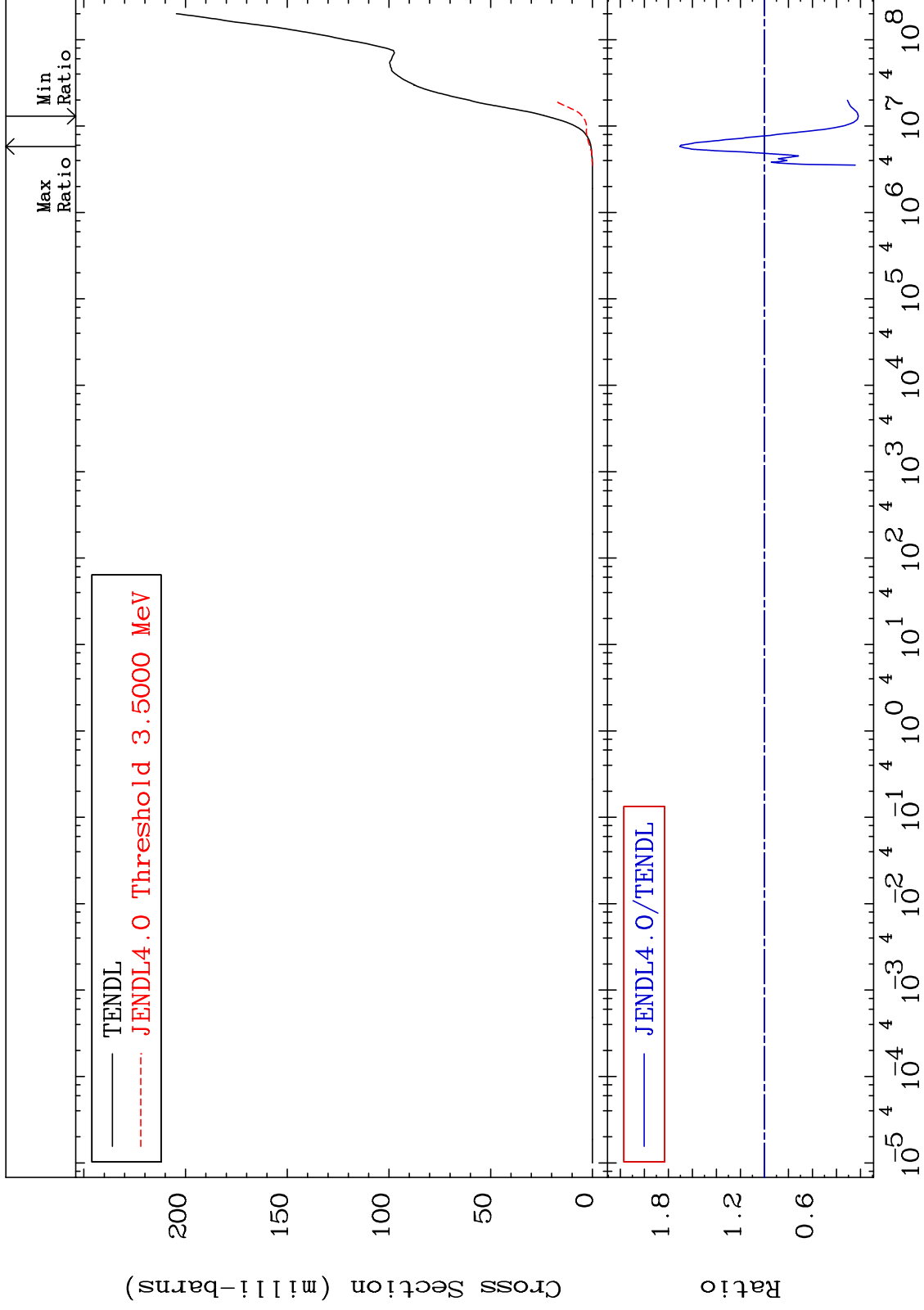
Incident Energy (eV)

36-Kr-80

MAT 3631

He-4 Production  
Cross Section

36-Kr-80  
-78.22 To 70.46 %



35

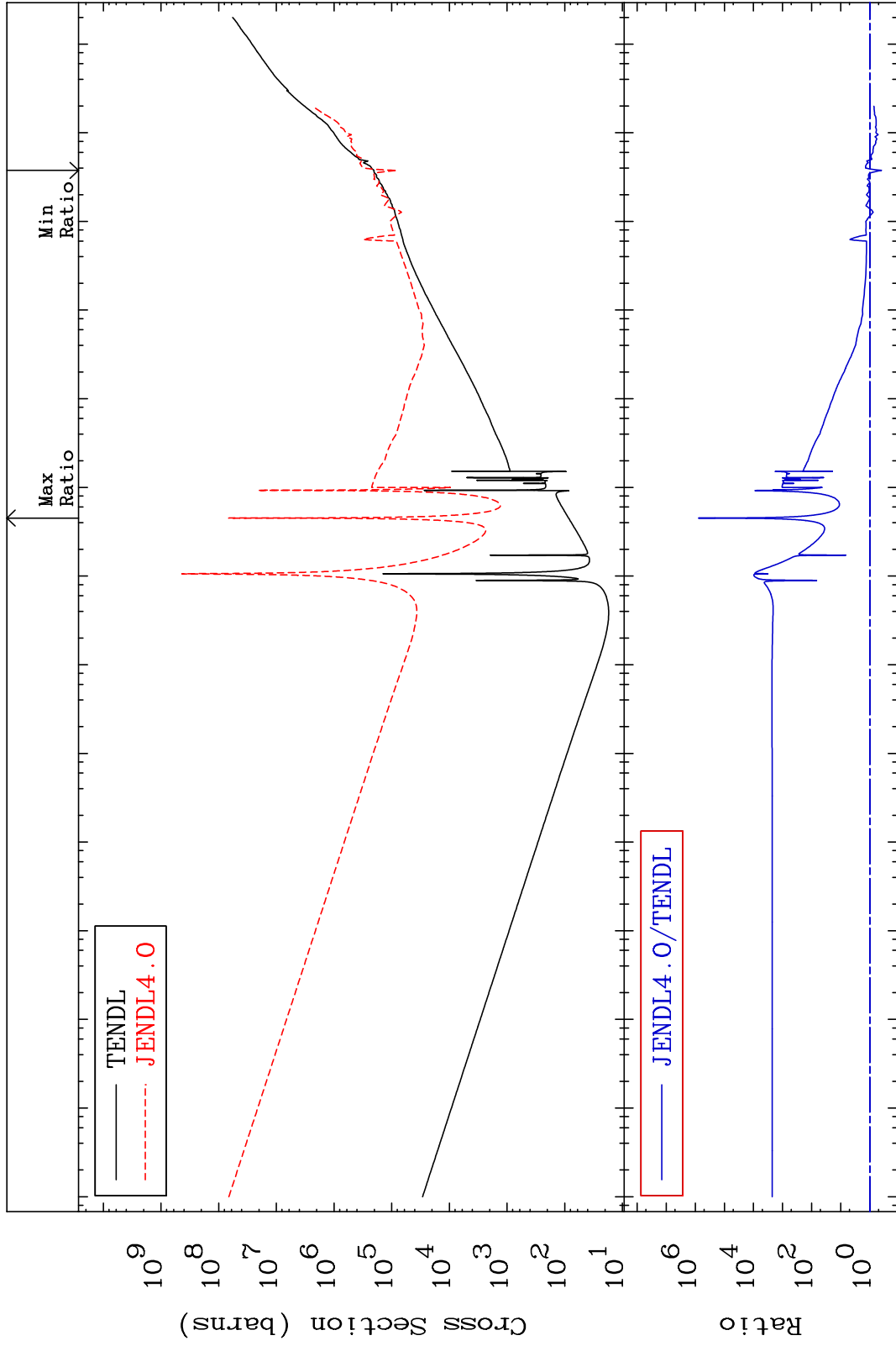
Incident Energy (eV)

36-Kr-80

MAT 3631

Kerma total (eV-barns)  
Cross Section

36-Kr-80  
-60.38 To 9999. %



36

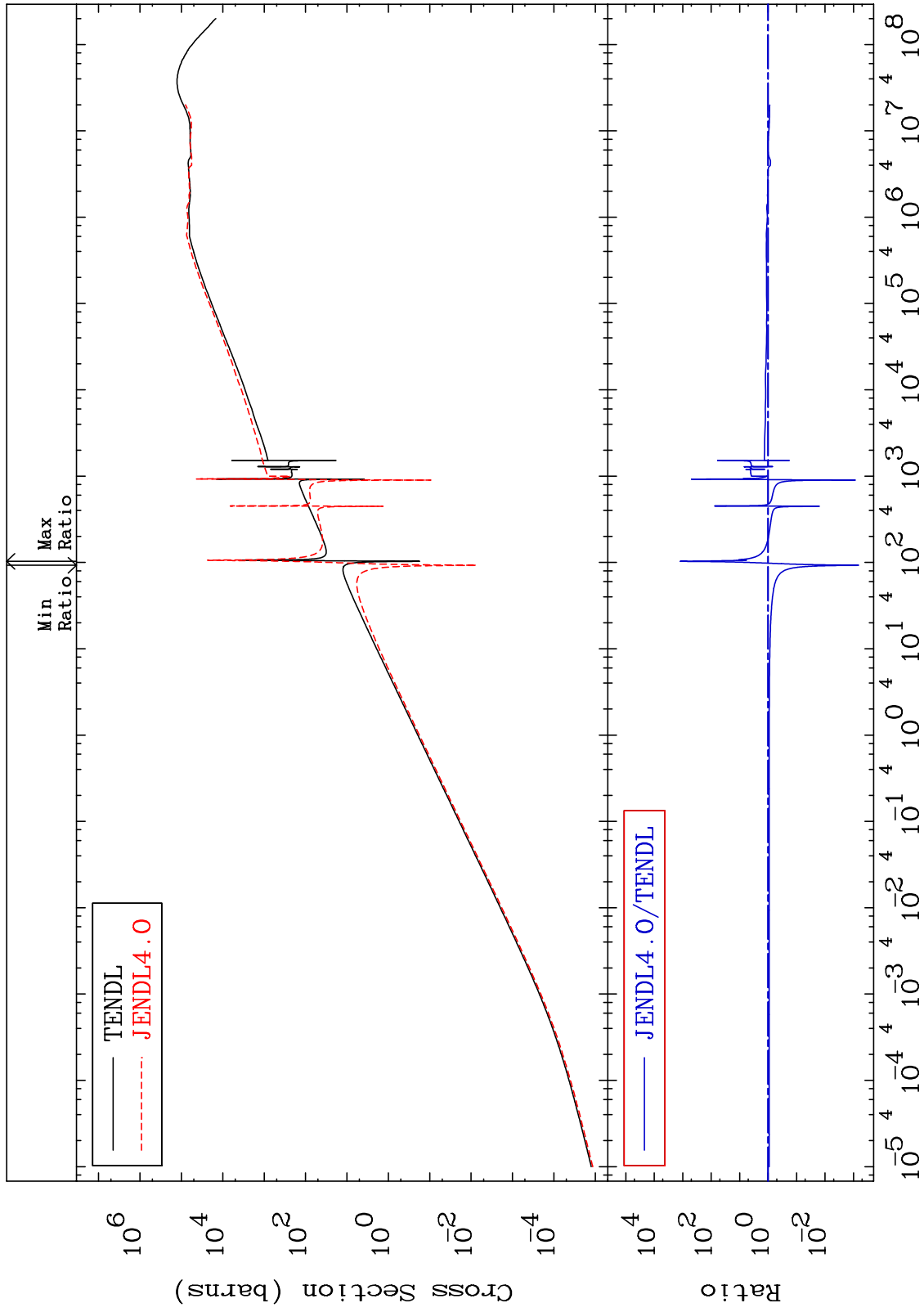
Incident Energy (eV)

36-Kr-80

MAT 3631

Kerma elastic  
Cross Section

36-Kr-80  
-99.93 To 9999. %



37

Incident Energy (eV)

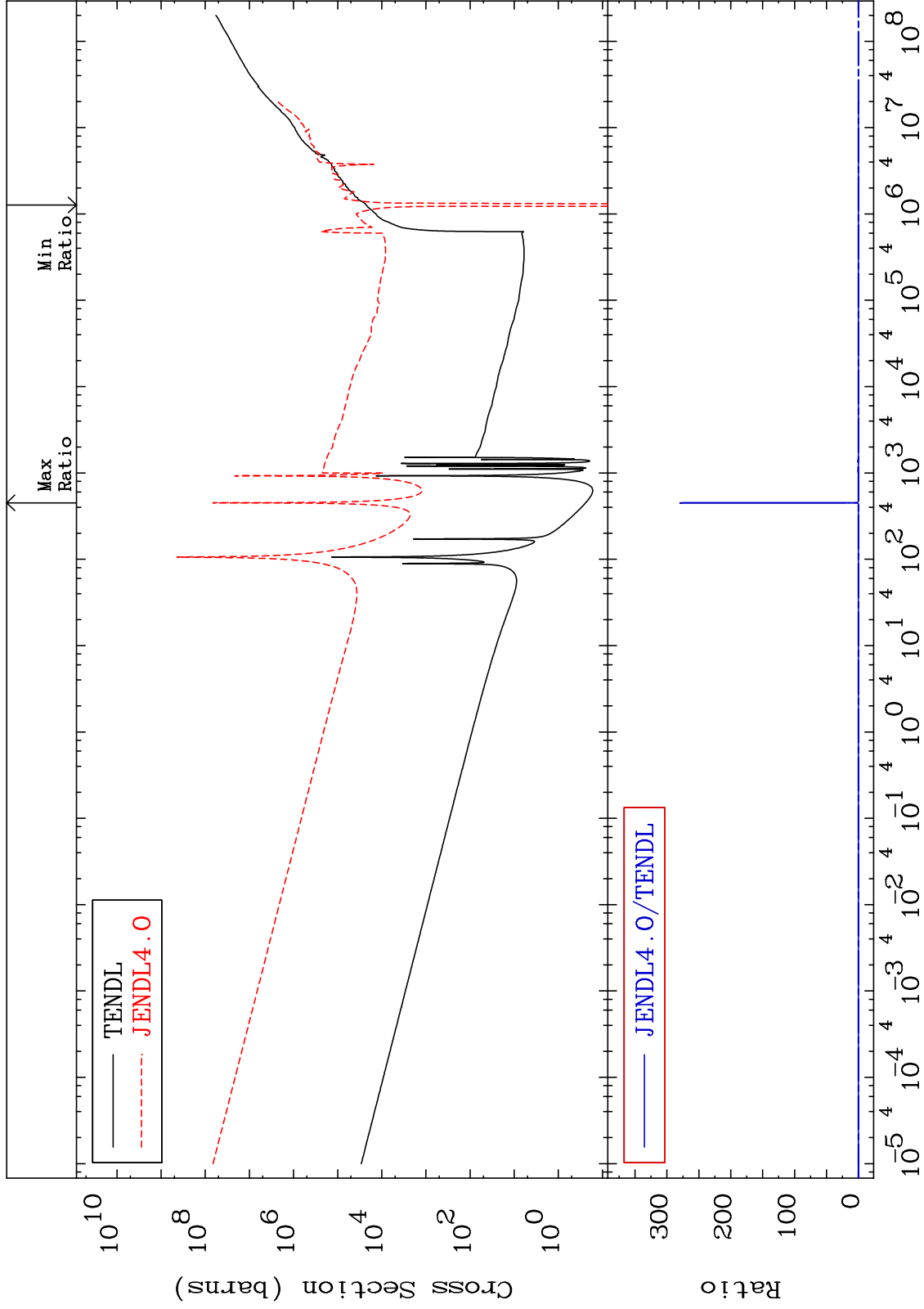
36-Kr-80

MAT 3631

Kerma non-elastic (all but mt2)  
Cross Section

36-Kr-80

-129.7 To 9999. %



38

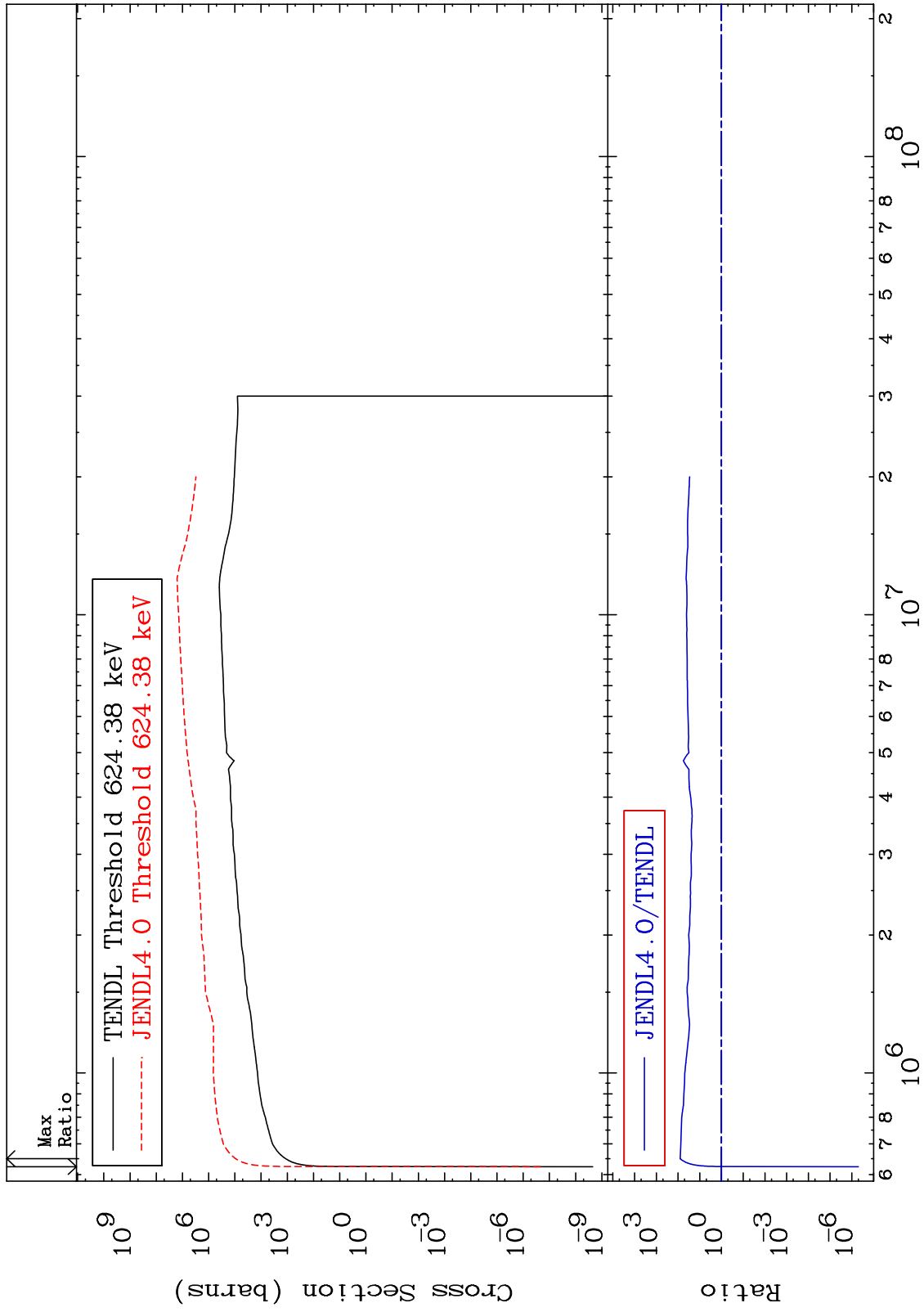
Incident Energy (eV)

36-Kr-80

MAT 3631

Kerma inelastic (mt51-91)  
Cross Section

36-Kr-80  
-100.0 To 7990. %

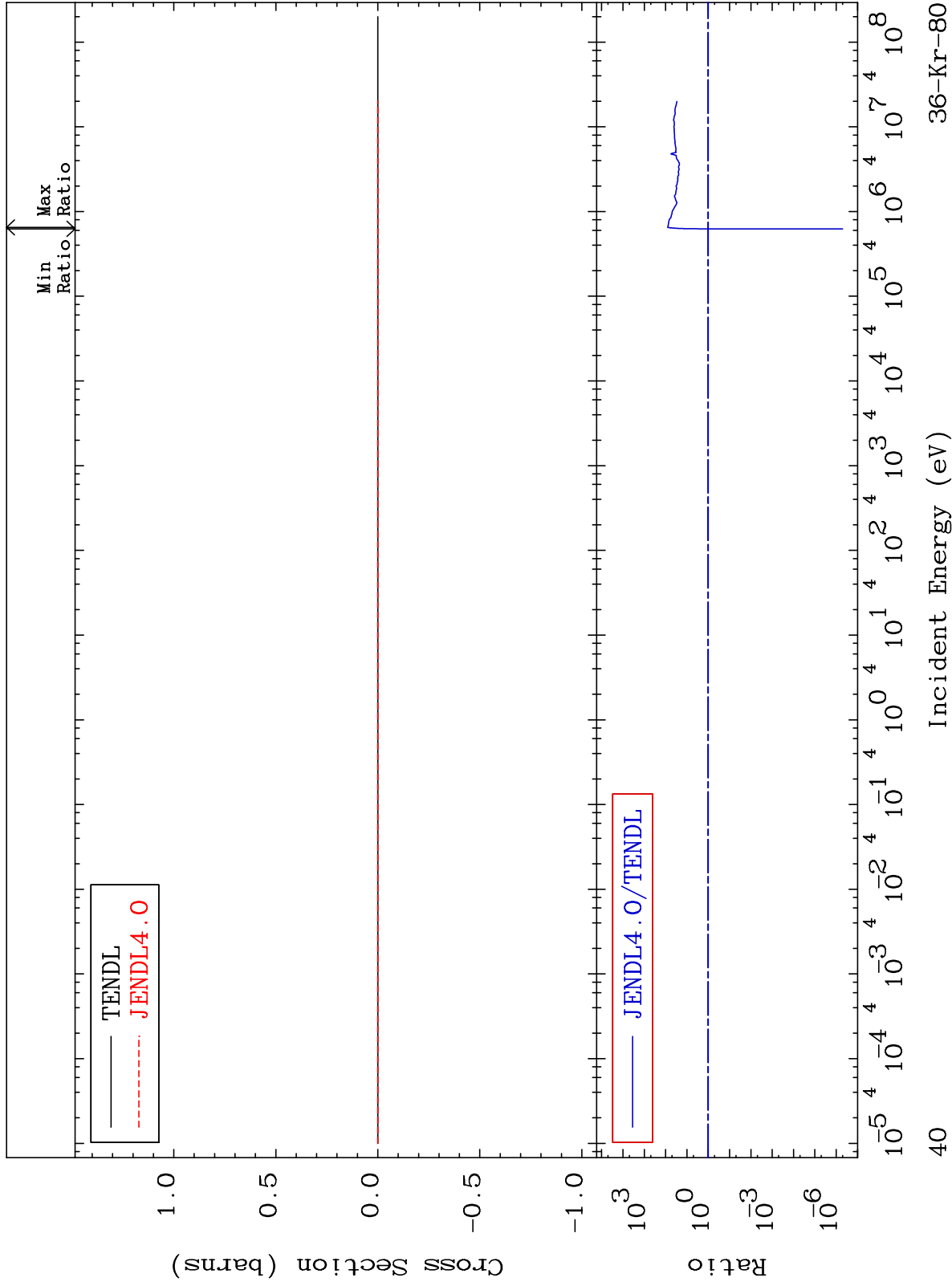




MAT 3631

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

36-Kr-80  
-100.0 To 7990. %



40

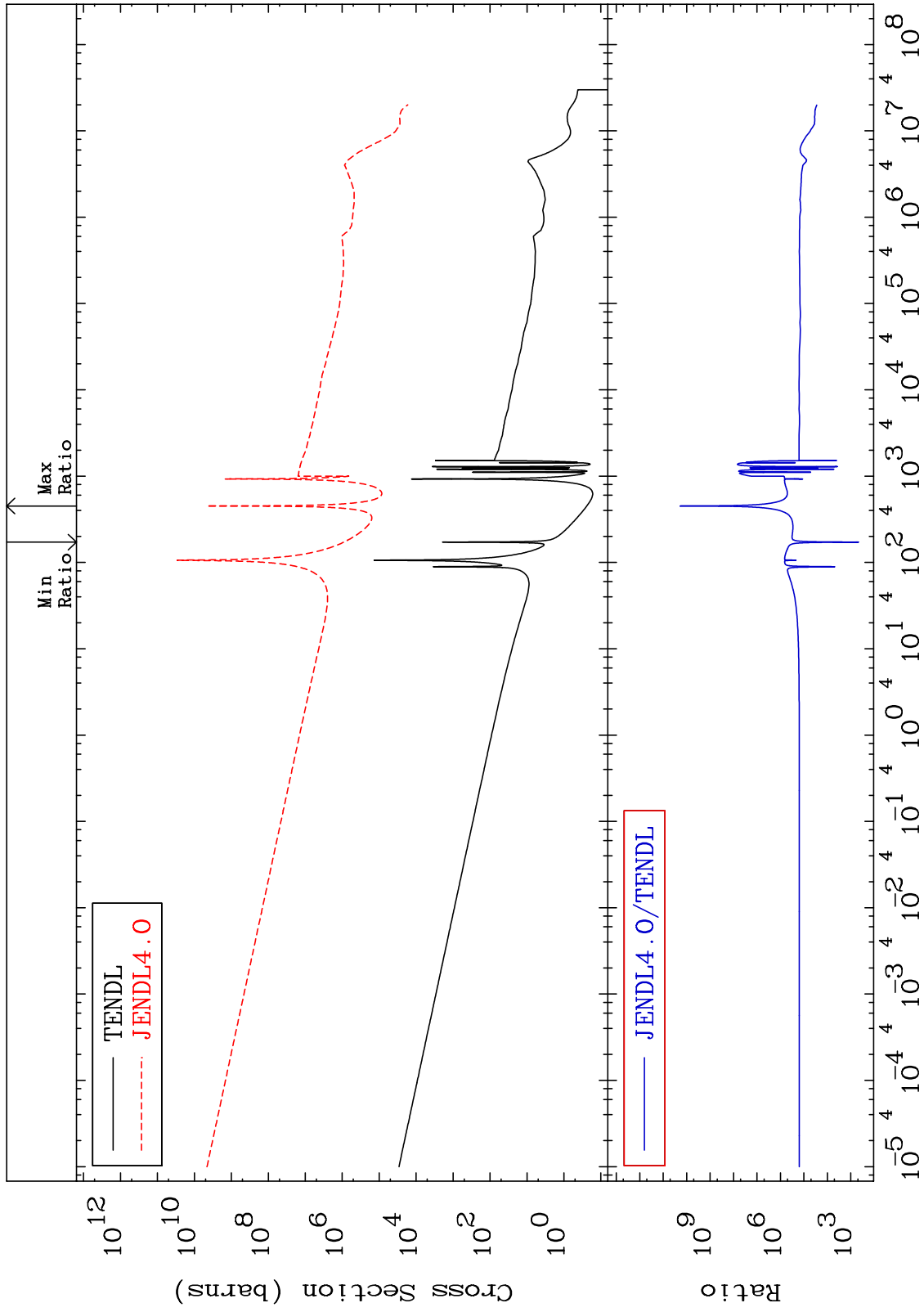
Incident Energy (eV)

36-Kr-80

MAT 3631

Kerma capture (mt102)  
Cross Section

36-Kr-80  
9999. To 9999. %



41

Incident Energy (eV)

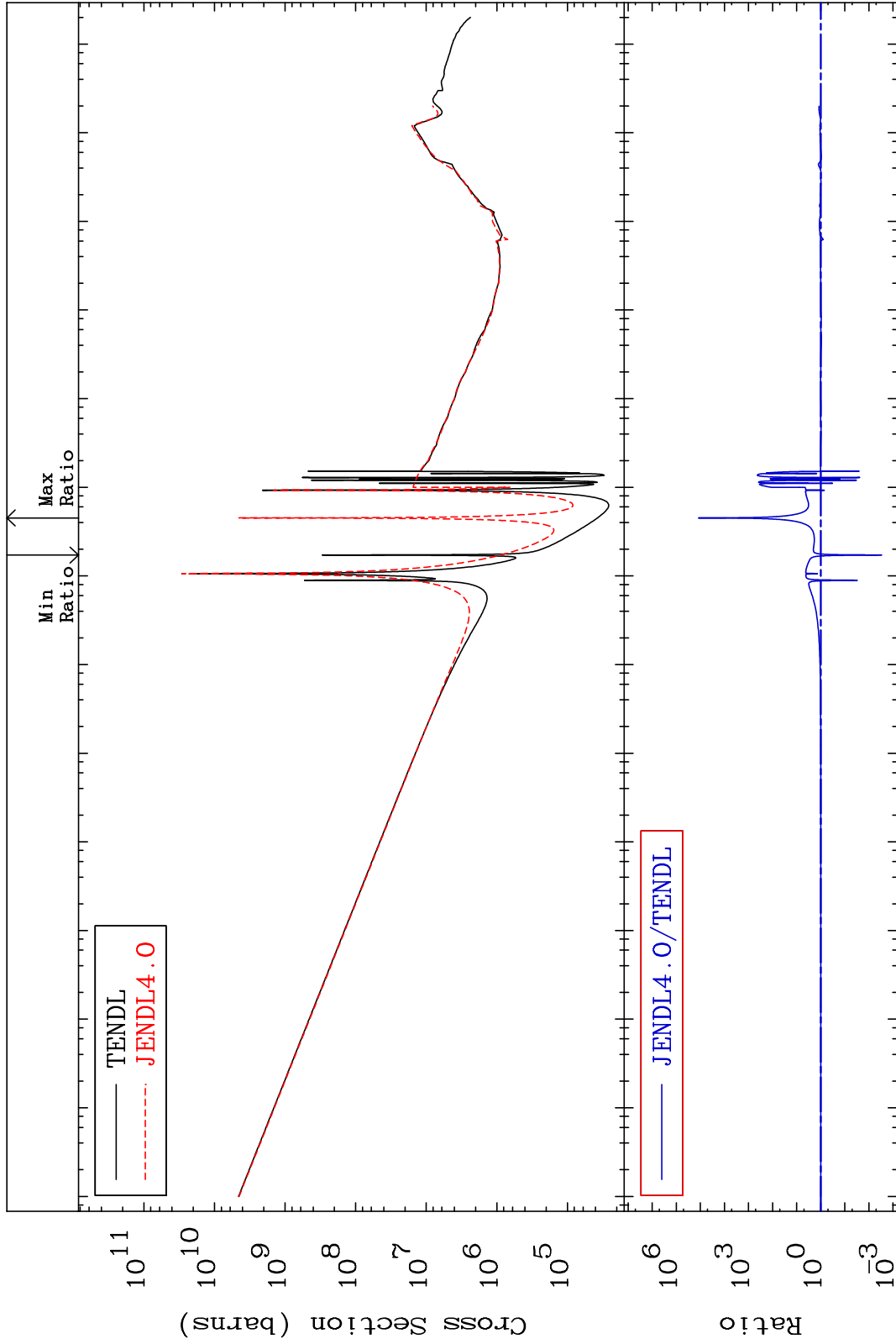
36-Kr-80

MAT 3631

Total photon (eV-barns)  
Cross Section

36-Kr-80

-99.70 To 9999. %



42

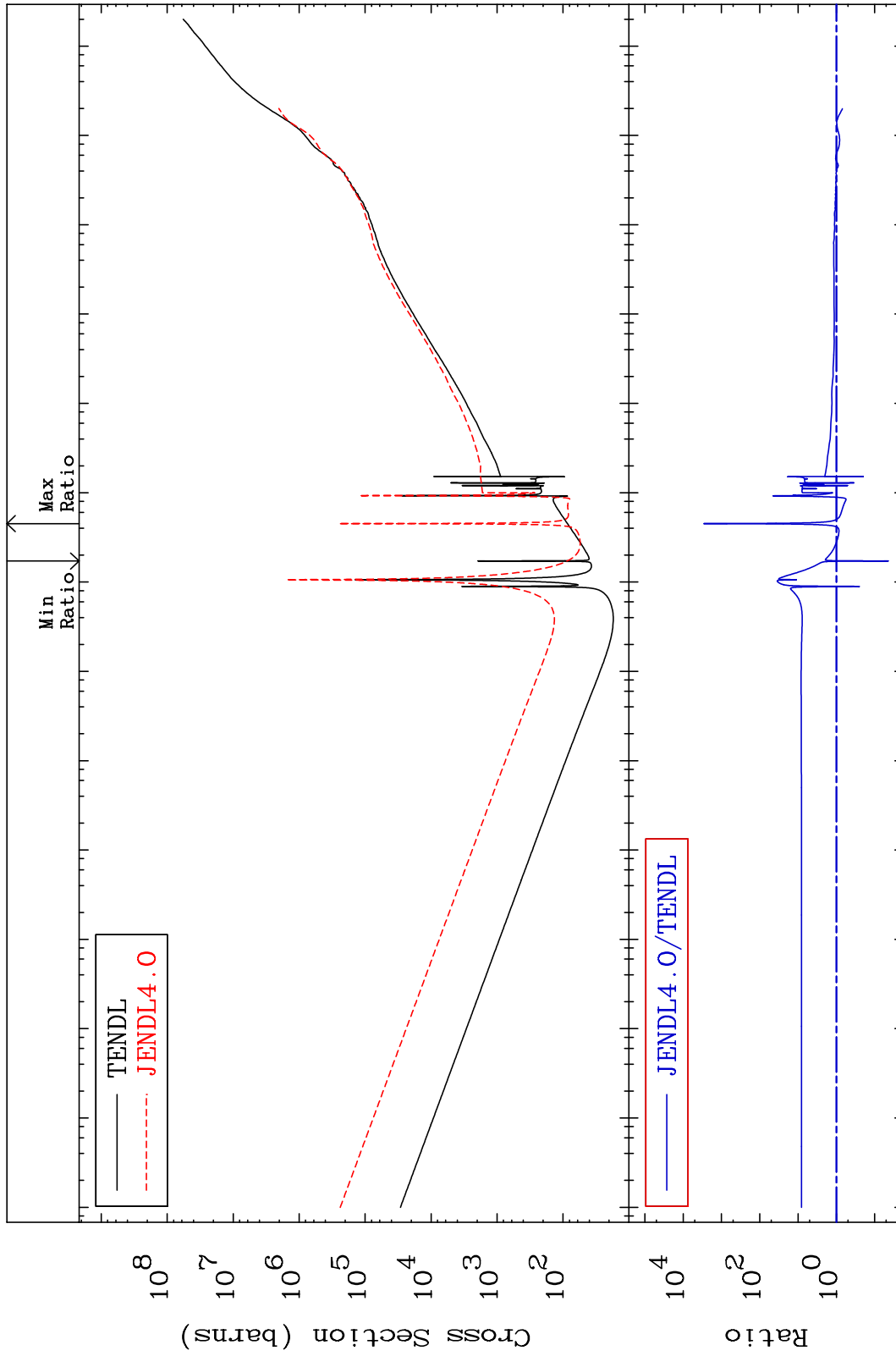
Incident Energy (eV)

36-Kr-80

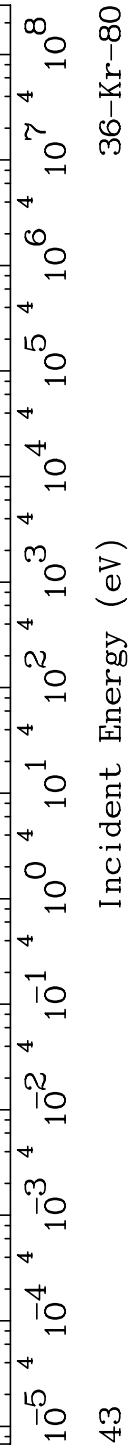
MAT 3631

Total kinematic kerma (high limit)  
Cross Section

36-Kr-80  
-95.57 To 9999. %



JENDL4.0/TENDL



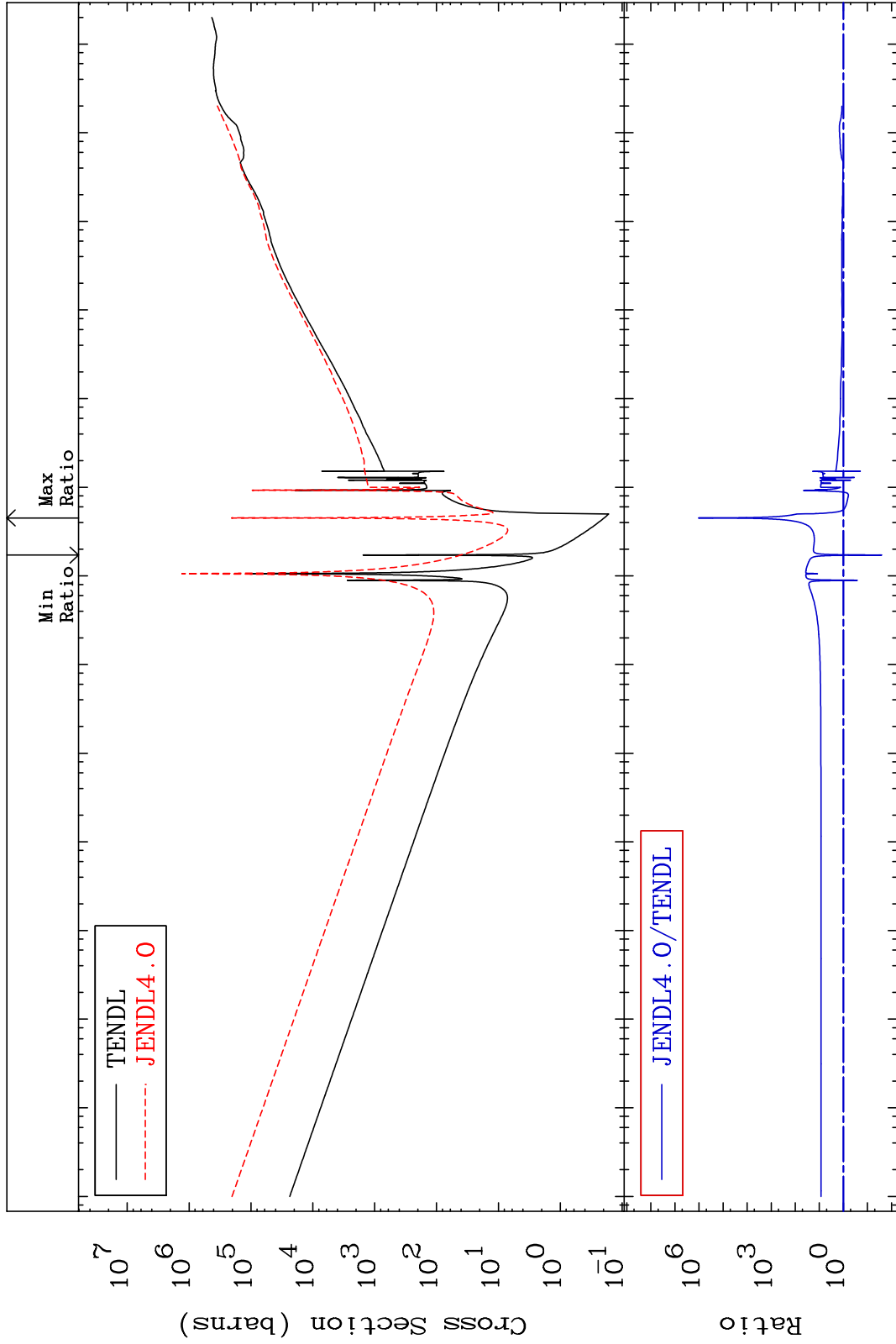
36-Kr-80

43

MAT 3631

Dpa total (eV-barns)  
Cross Section

36-Kr-80  
-97.40 To 9999. %



44

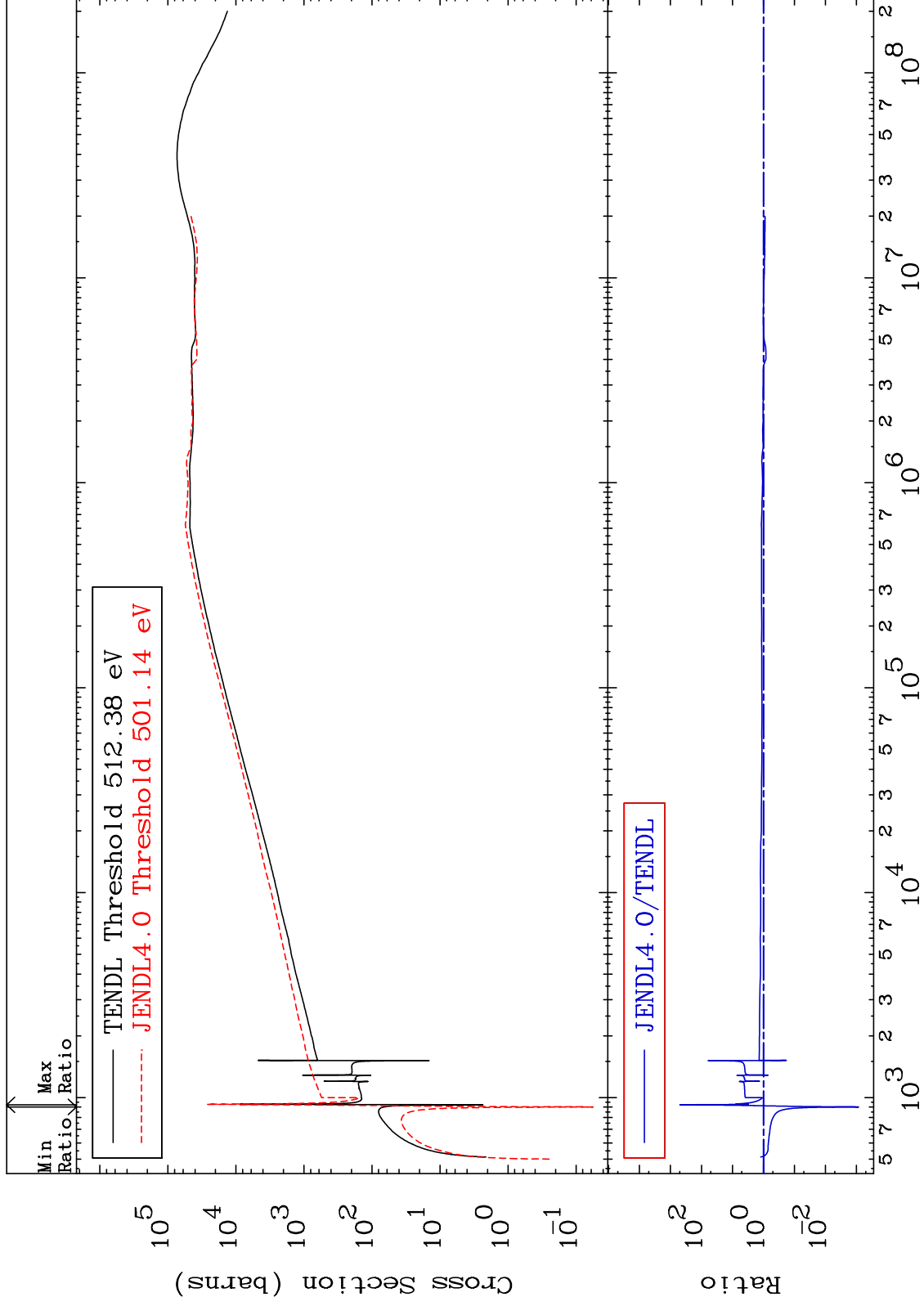
Incident Energy (eV)

36-Kr-80

MAT 3631

Dpa elastic (mt2)  
Cross Section

36-Kr-80  
-99.91 To 9999. %



45

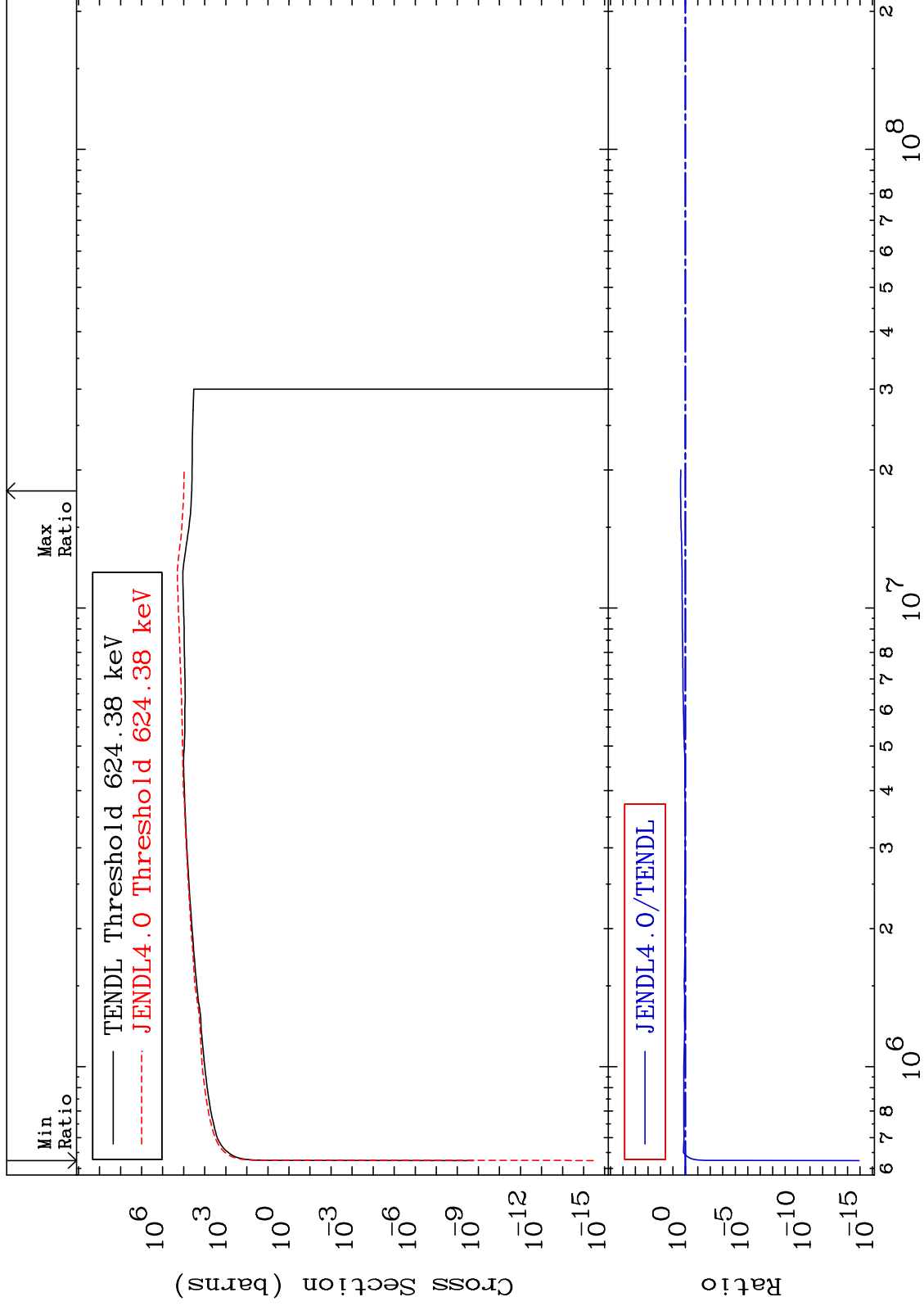
Incident Energy (eV)

36-Kr-80

MAT 3631

Dpa inelastic (mt51-91)  
Cross Section

36-Kr-80  
-100.0 To 139.3 %



46

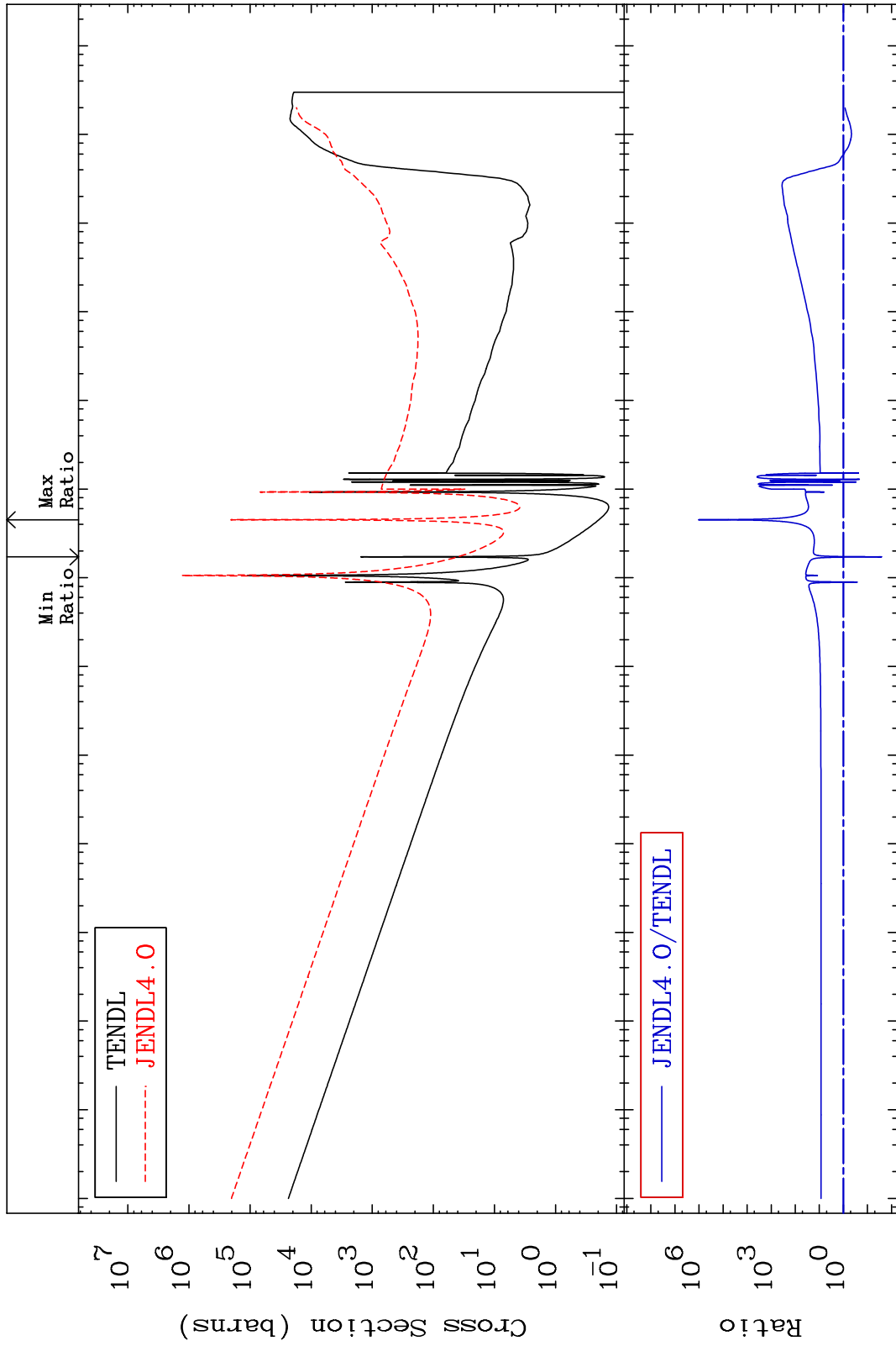
Incident Energy (eV)

36-Kr-80

MAT 3631

Dpa disappearance (mt102 -120)  
Cross Section

36-Kr-80  
-97.40 To 9999. %



47

Incident Energy (eV)

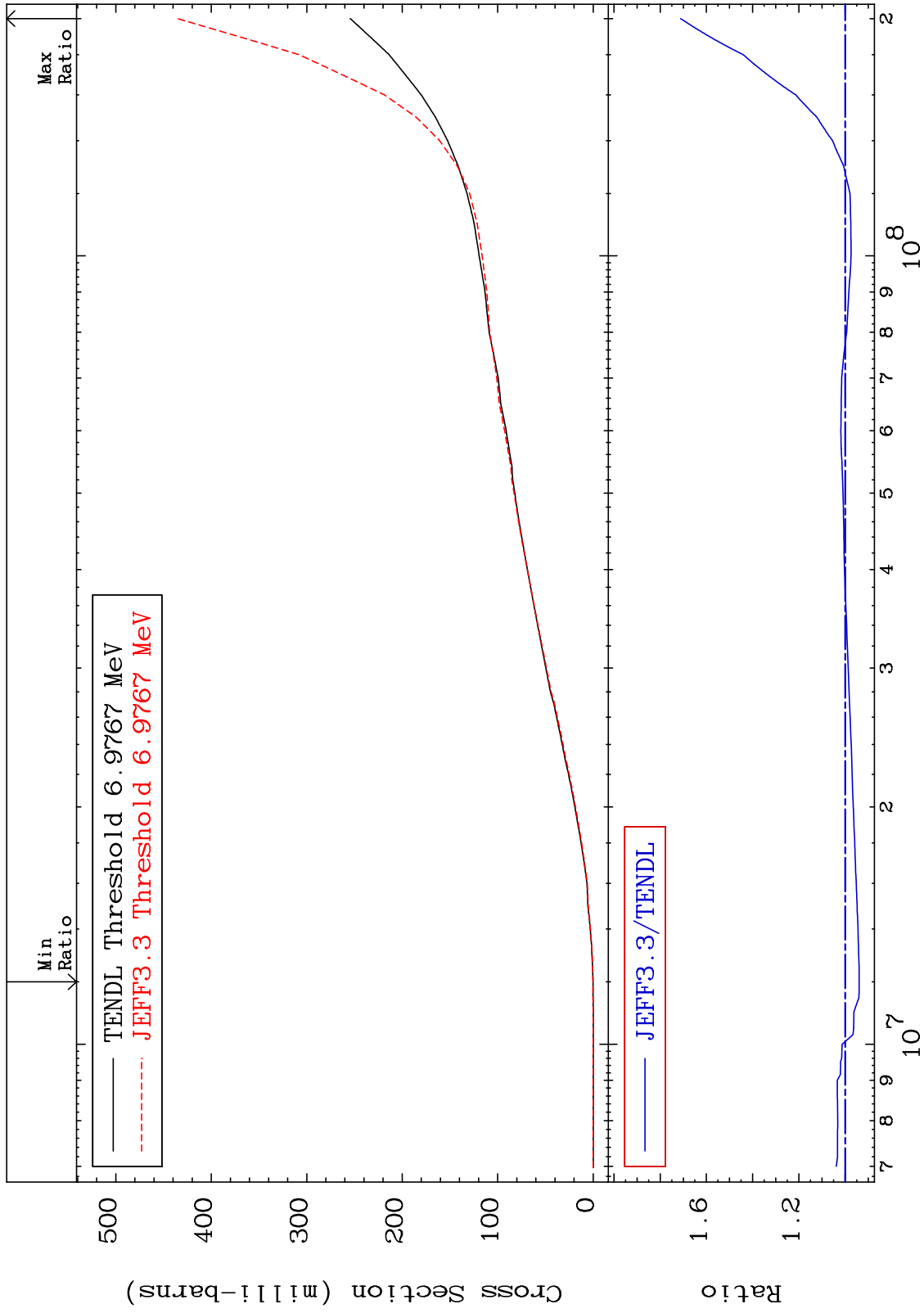
36-Kr-80



MAT 3631

Deuterium Production  
Cross Section

<sup>36</sup>Kr-80  
-6.095 To 71.15 %



48

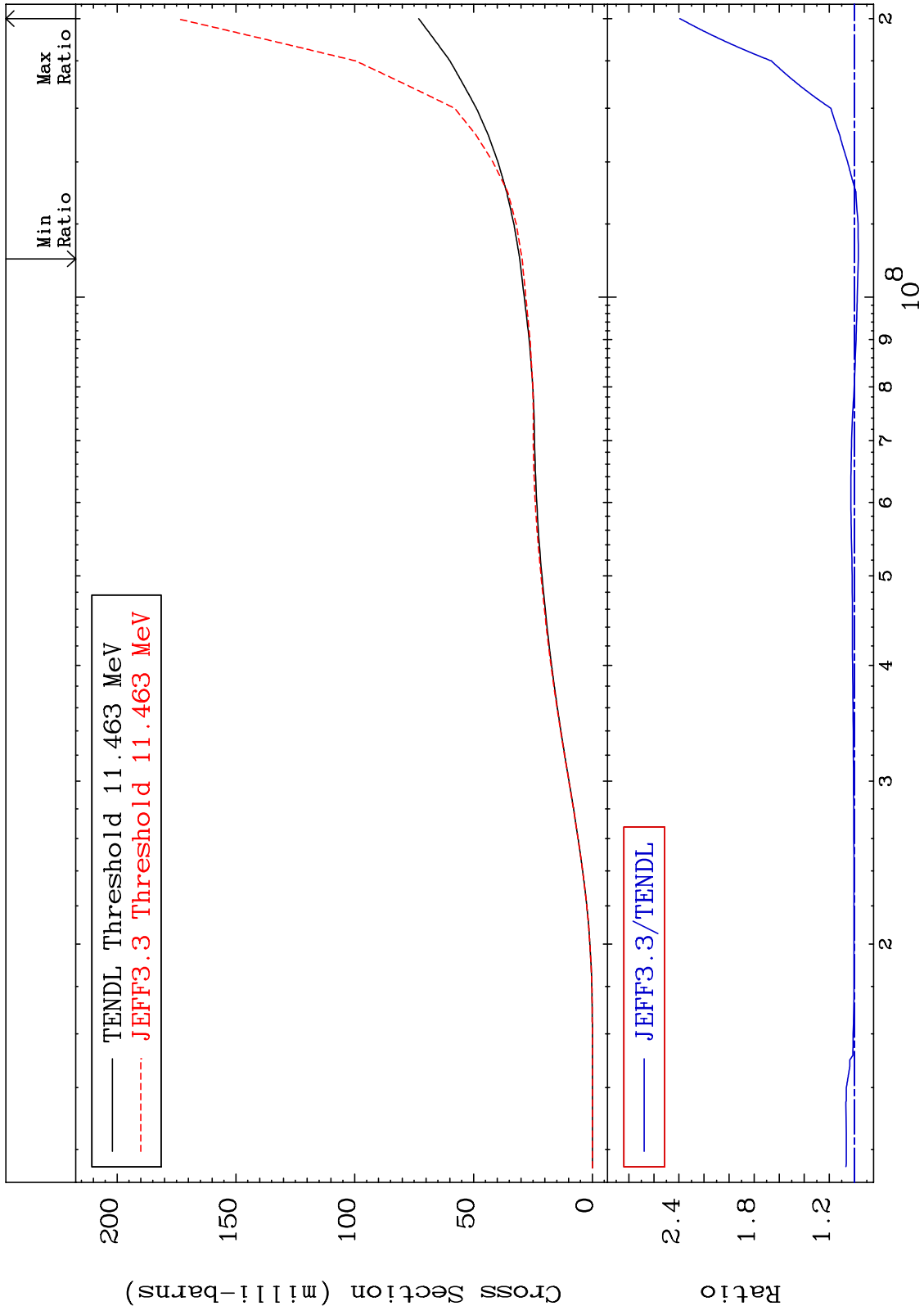
Incident Energy (eV)

<sup>36</sup>Kr-80

MAT 3631

Tritium Production  
Cross Section

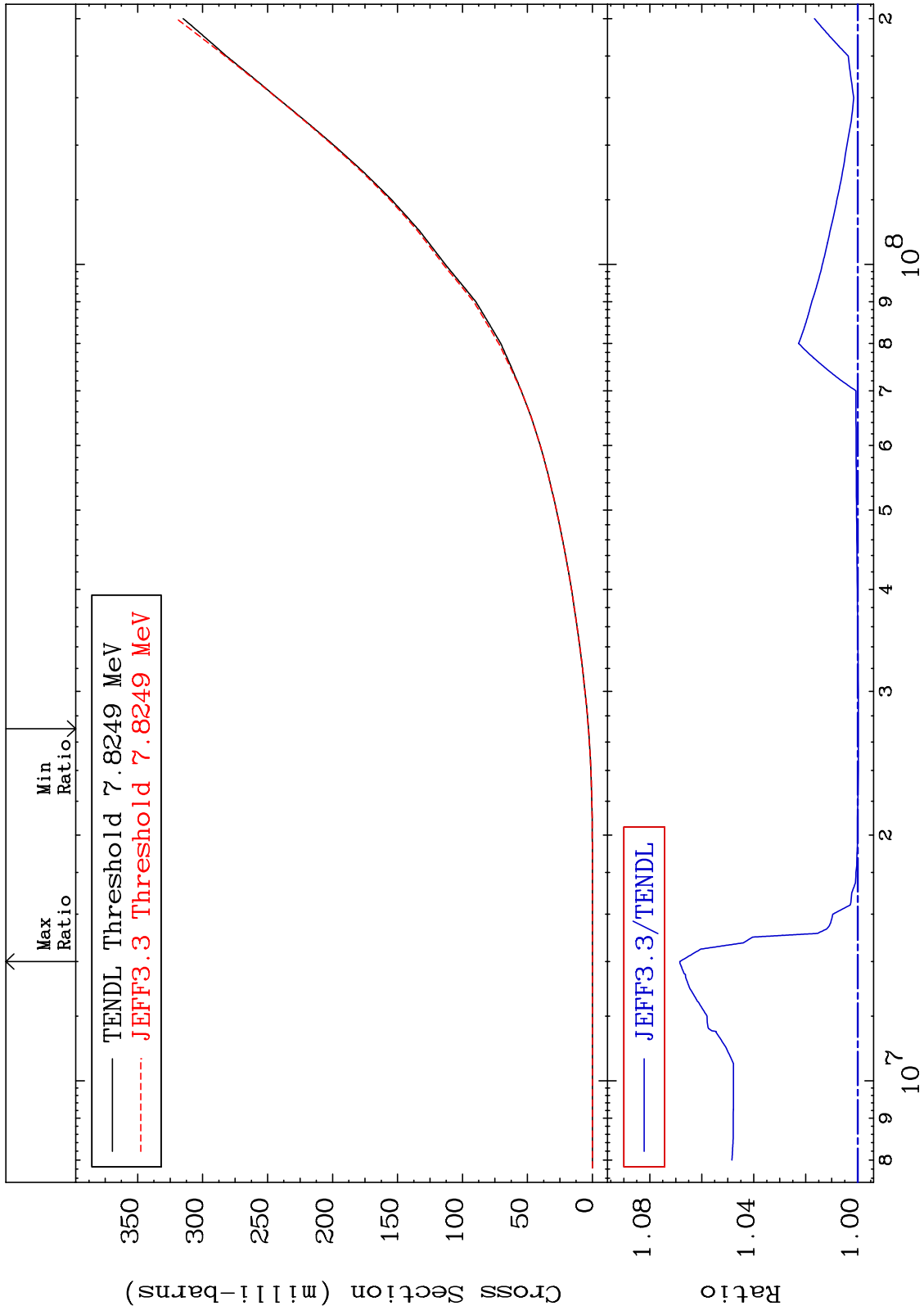
$^{36}\text{Kr-80}$   
-3.203 To 139.3 %



MAT 3631

He-3 Production  
Cross Section

<sup>36</sup>Kr-80  
-0.024 To 6.845 %



50

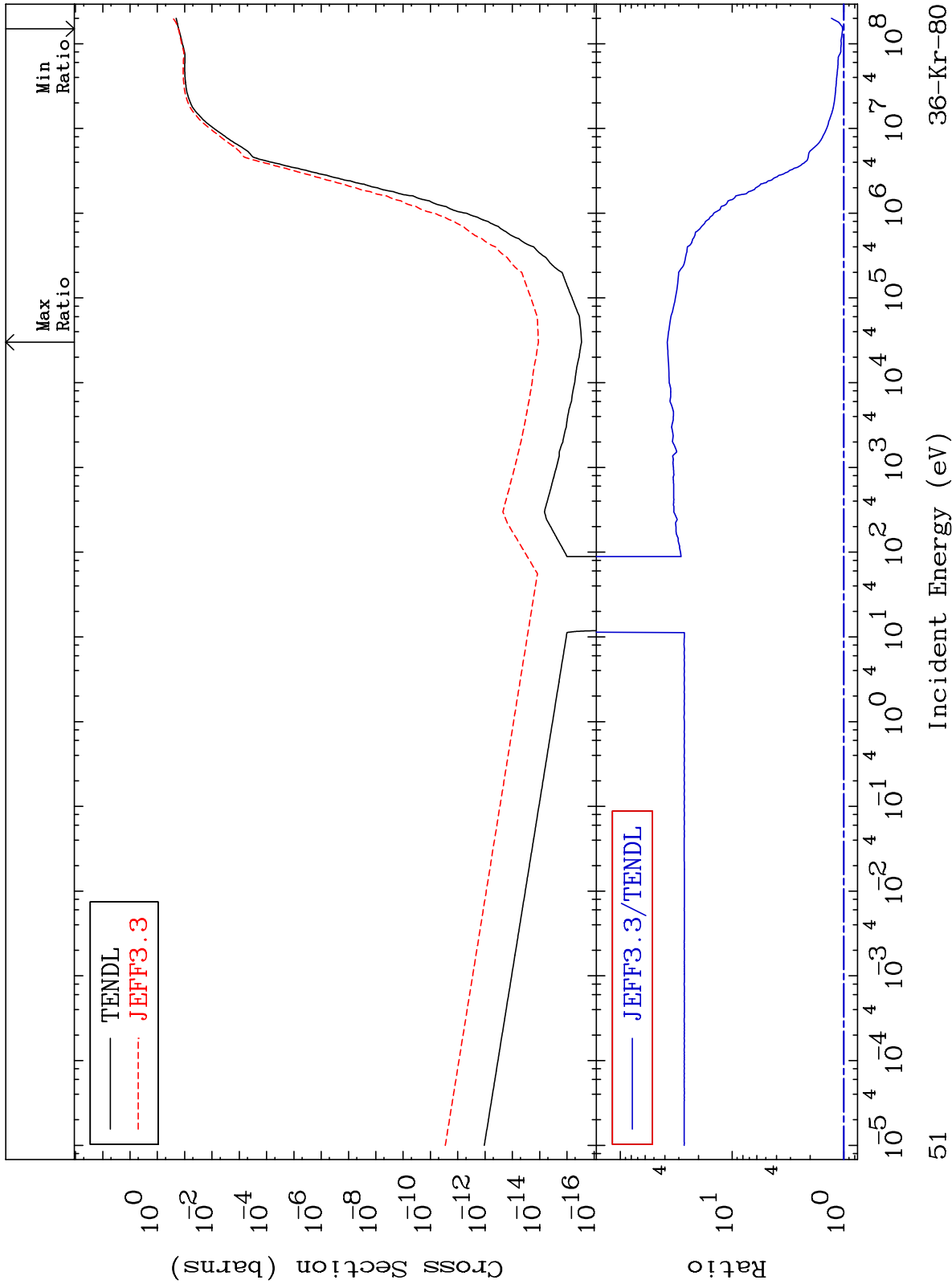
Incident Energy (eV)

<sup>36</sup>Kr-80

MAT 3631

He-4 Production  
Cross Section

36-Kr-80  
2.606 To 3700. %

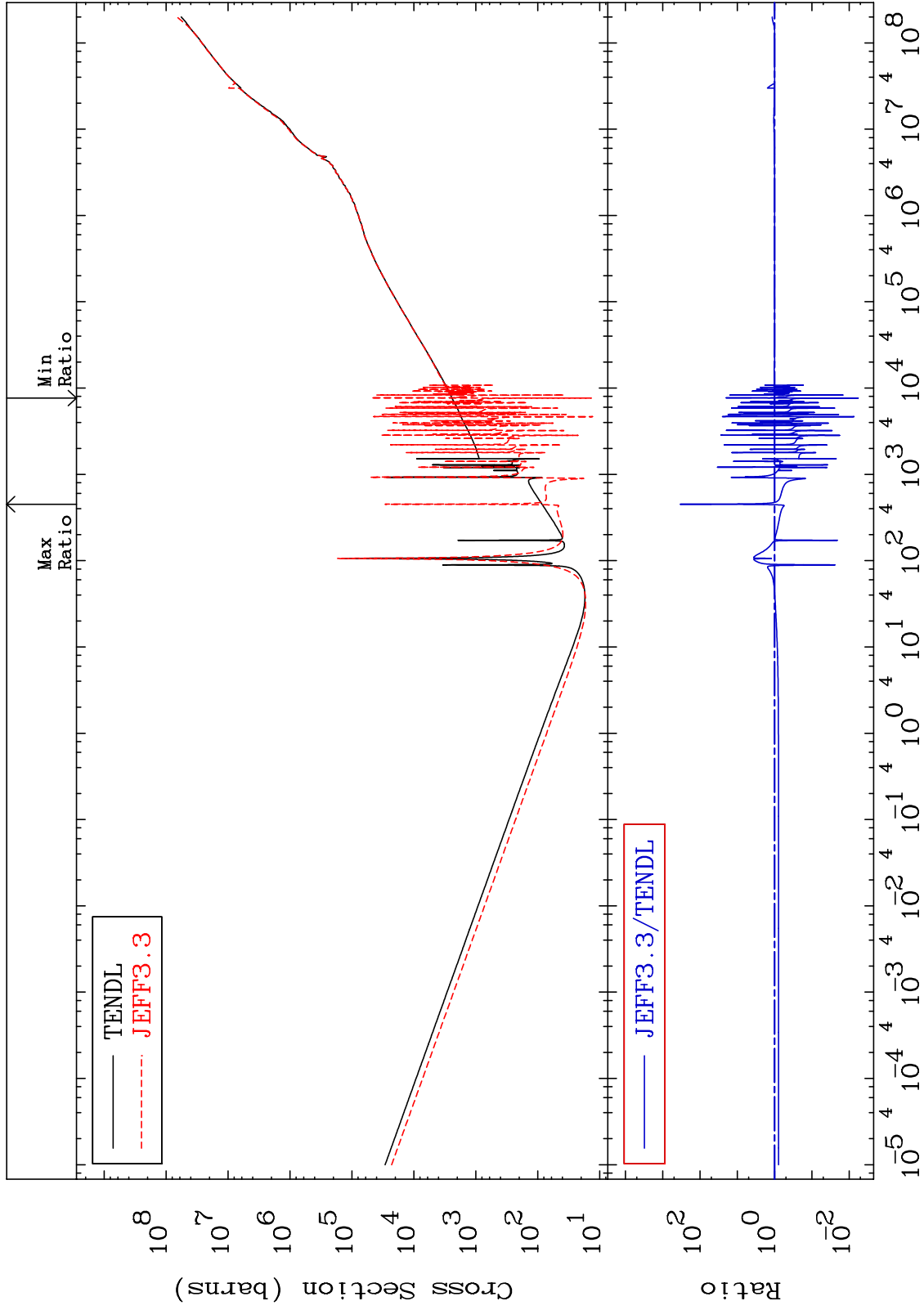


MAT 3631

Kerma total (eV-barns)  
Cross Section

36-Kr-80

-99.43 To 9999. %



52

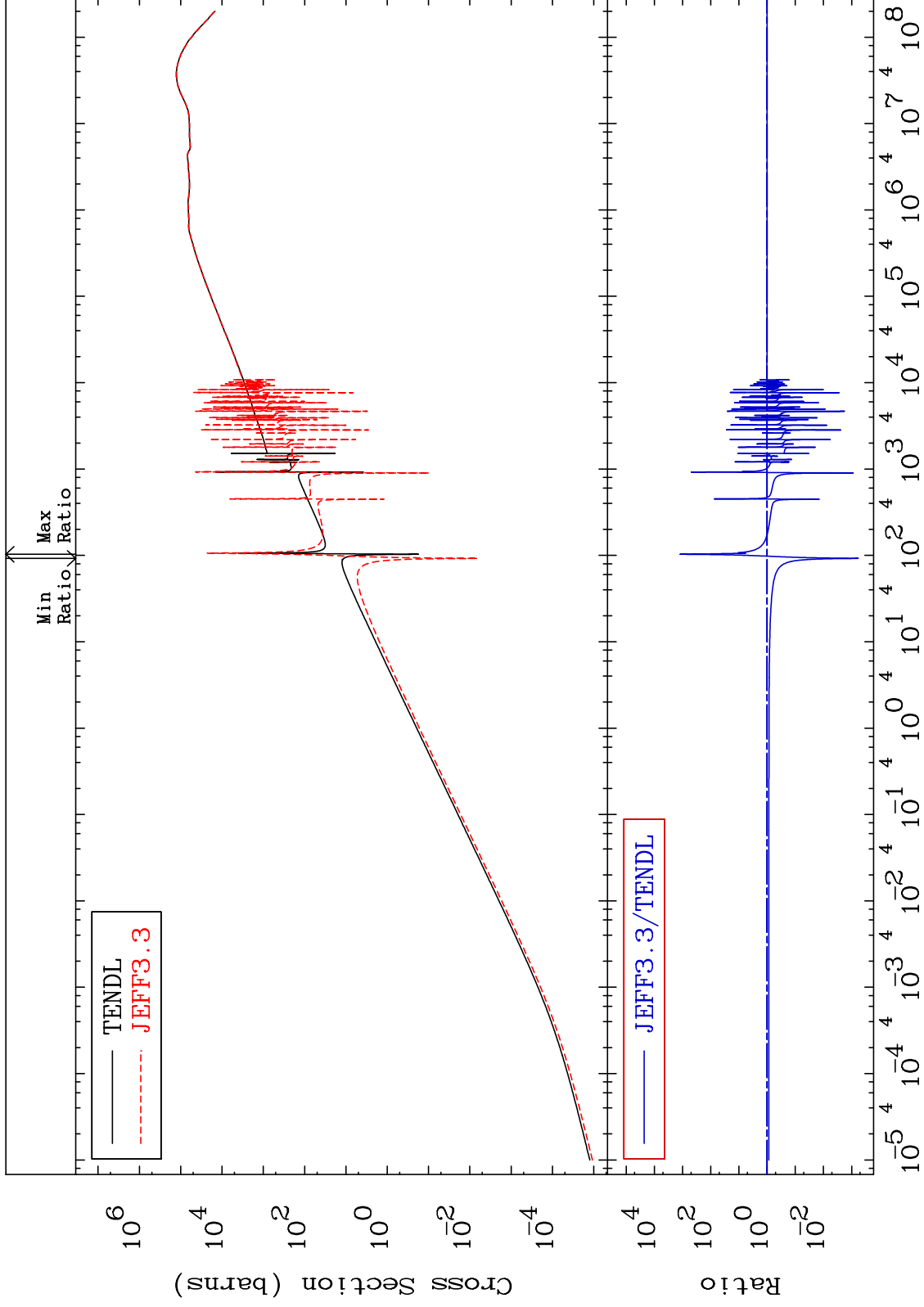
Incident Energy (eV)

36-Kr-80

MAT 3631

Kerma elastic  
Cross Section

36-Kr-80  
-99.94 To 9999. %



53

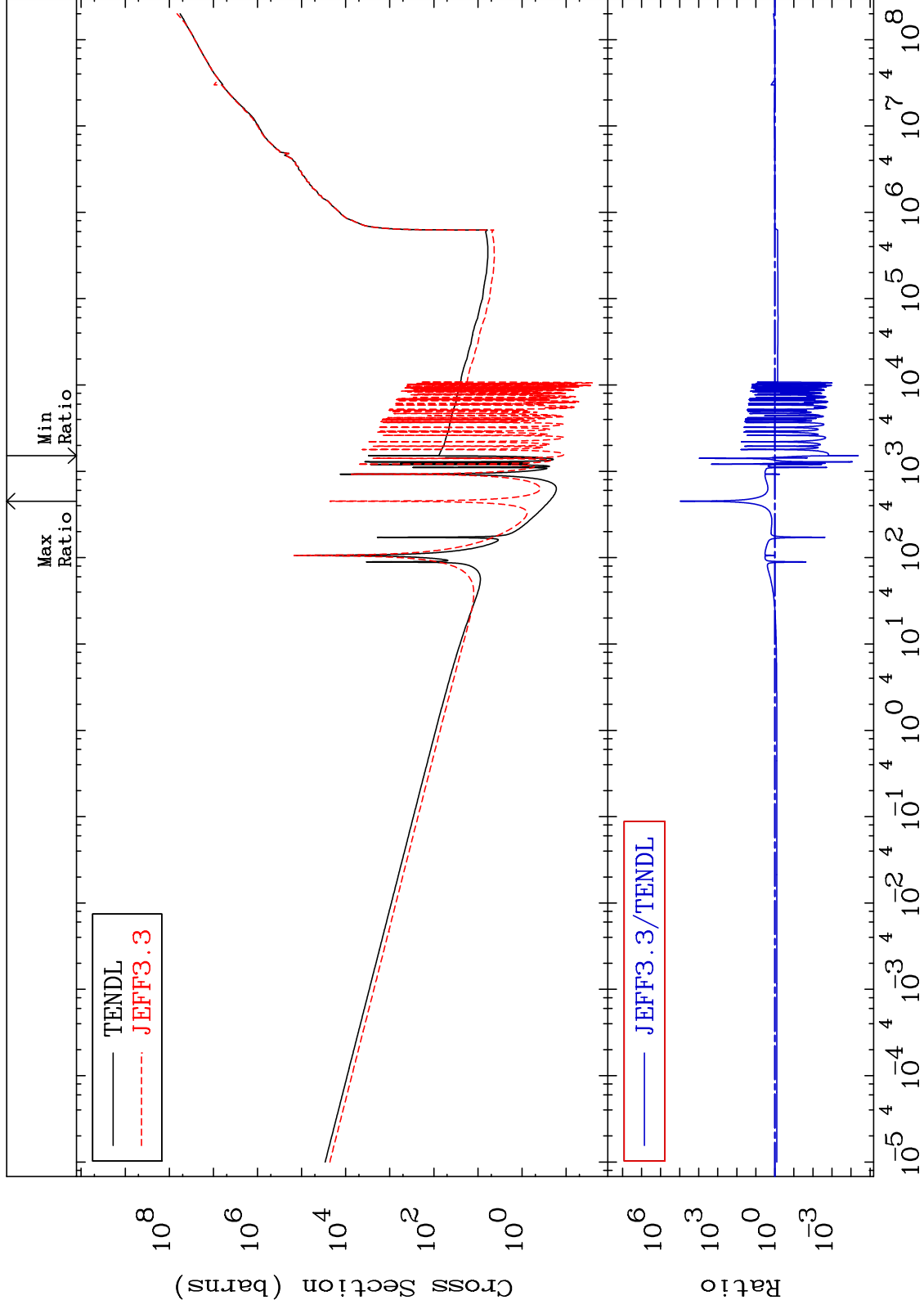
Incident Energy (eV)

36-Kr-80

MAT 3631

Kerma non-elastic (all but mt2)  
Cross Section

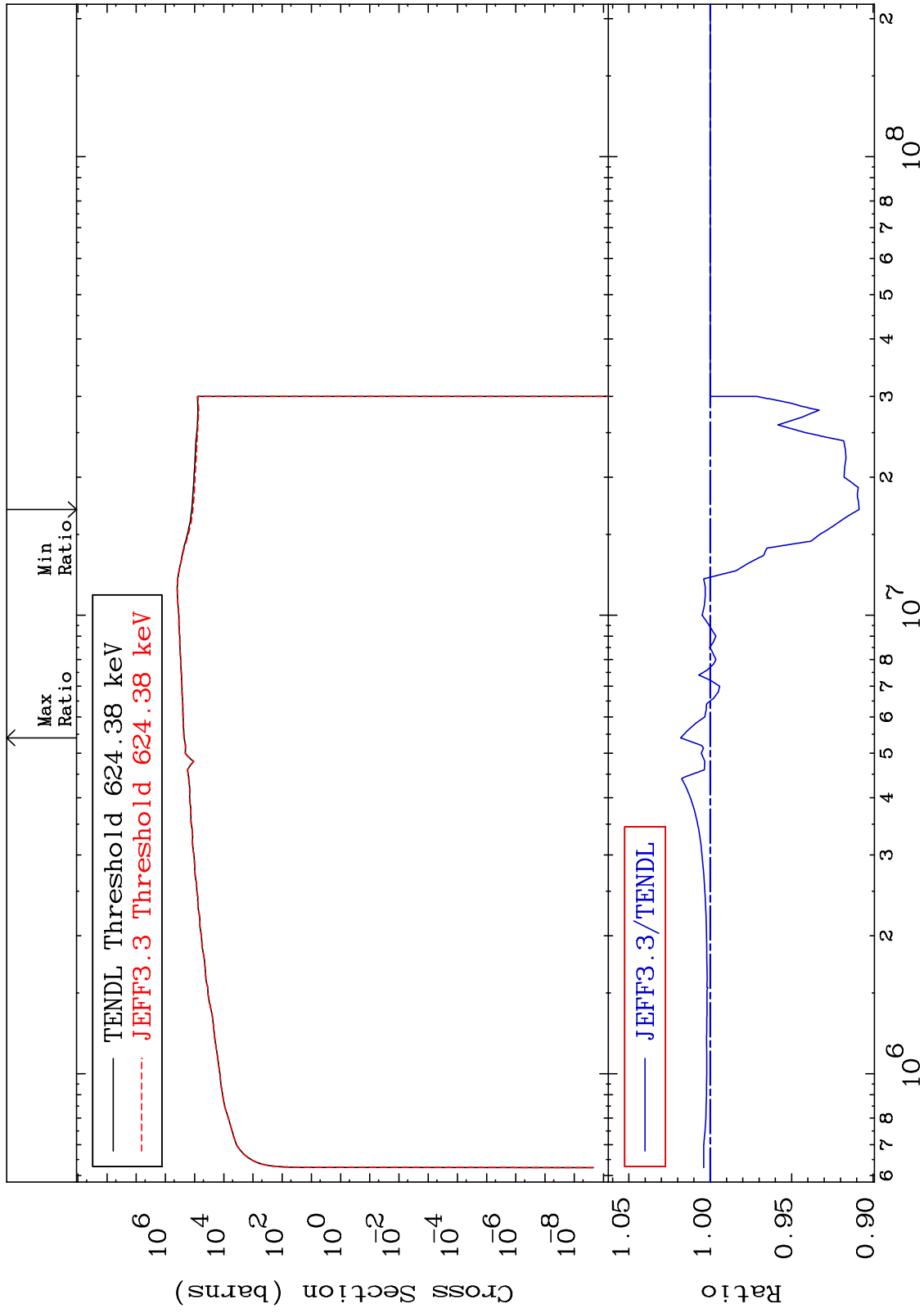
36-Kr-80  
-100.0 To 9999. %



MAT 3631

Kerma inelastic (mt51-91)  
Cross Section

36-Kr-80  
-9.148 To 1.820 %



55

Incident Energy (eV)

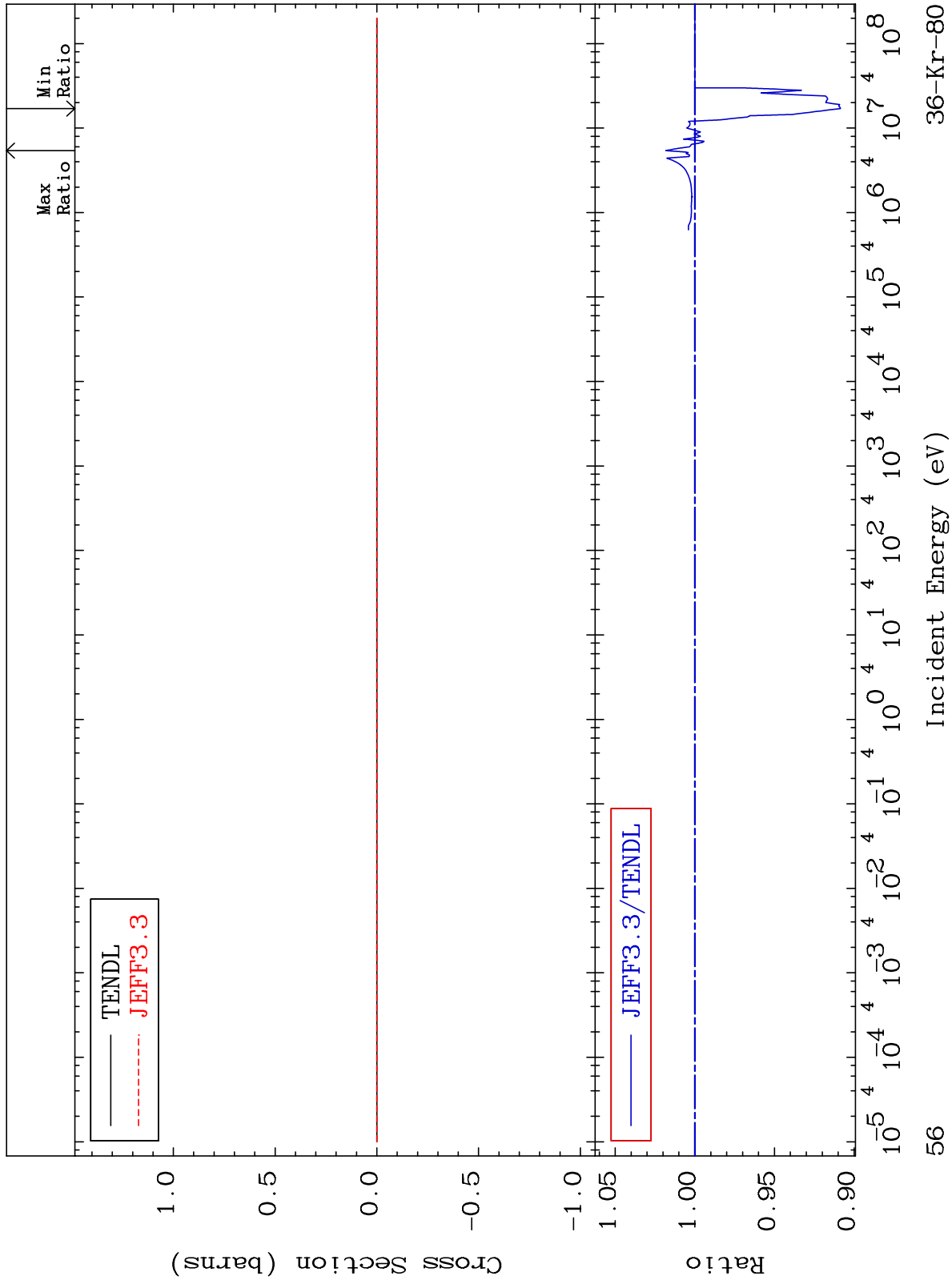
36-Kr-80



MAT 3631

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

36-Kr-80  
-9.148 To 1.820 %



56

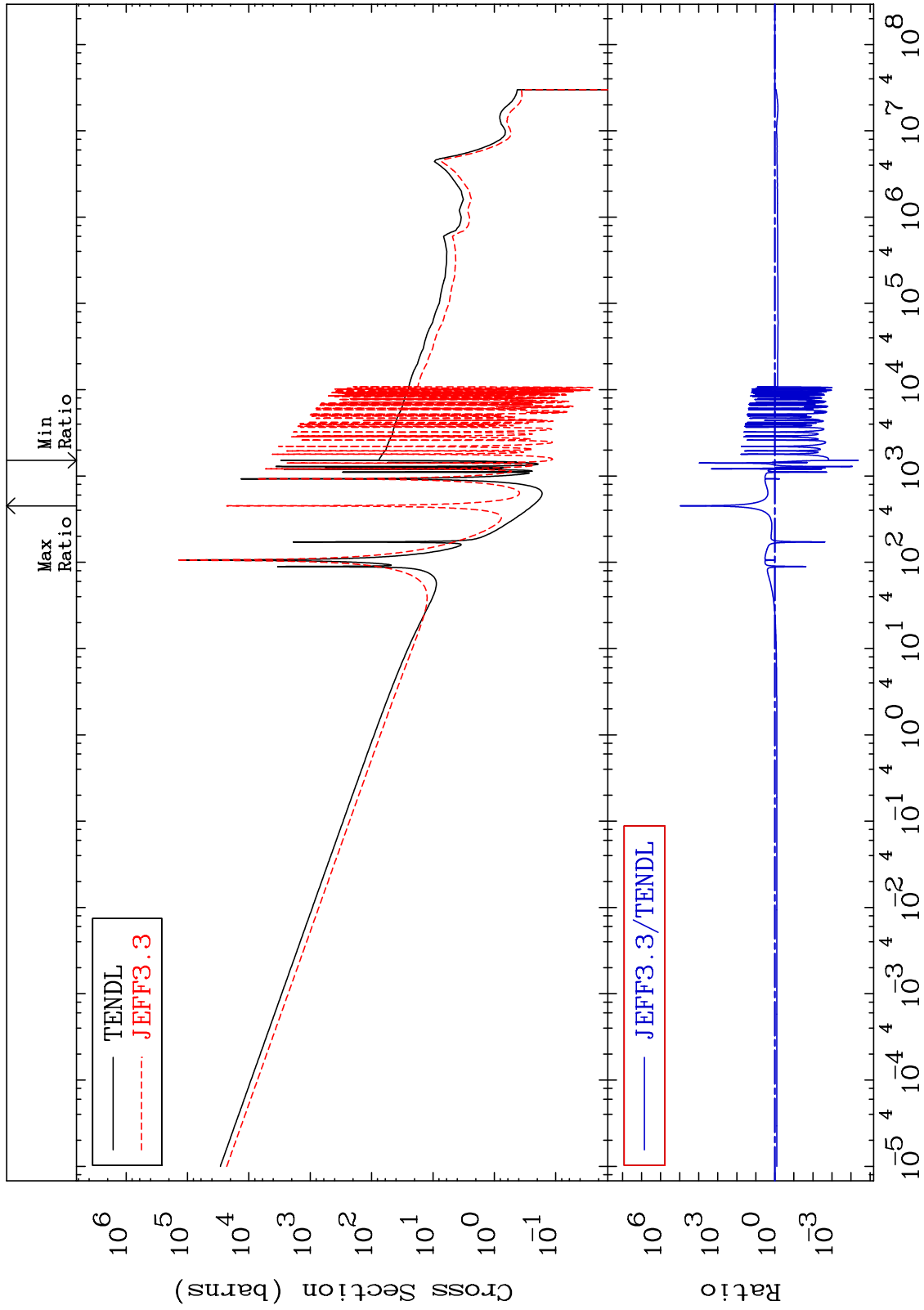
Incident Energy (eV)

36-Kr-80

MAT 3631

Kerma capture (mt102)  
Cross Section

36-Kr-80  
-100.0 To 9999. %



57

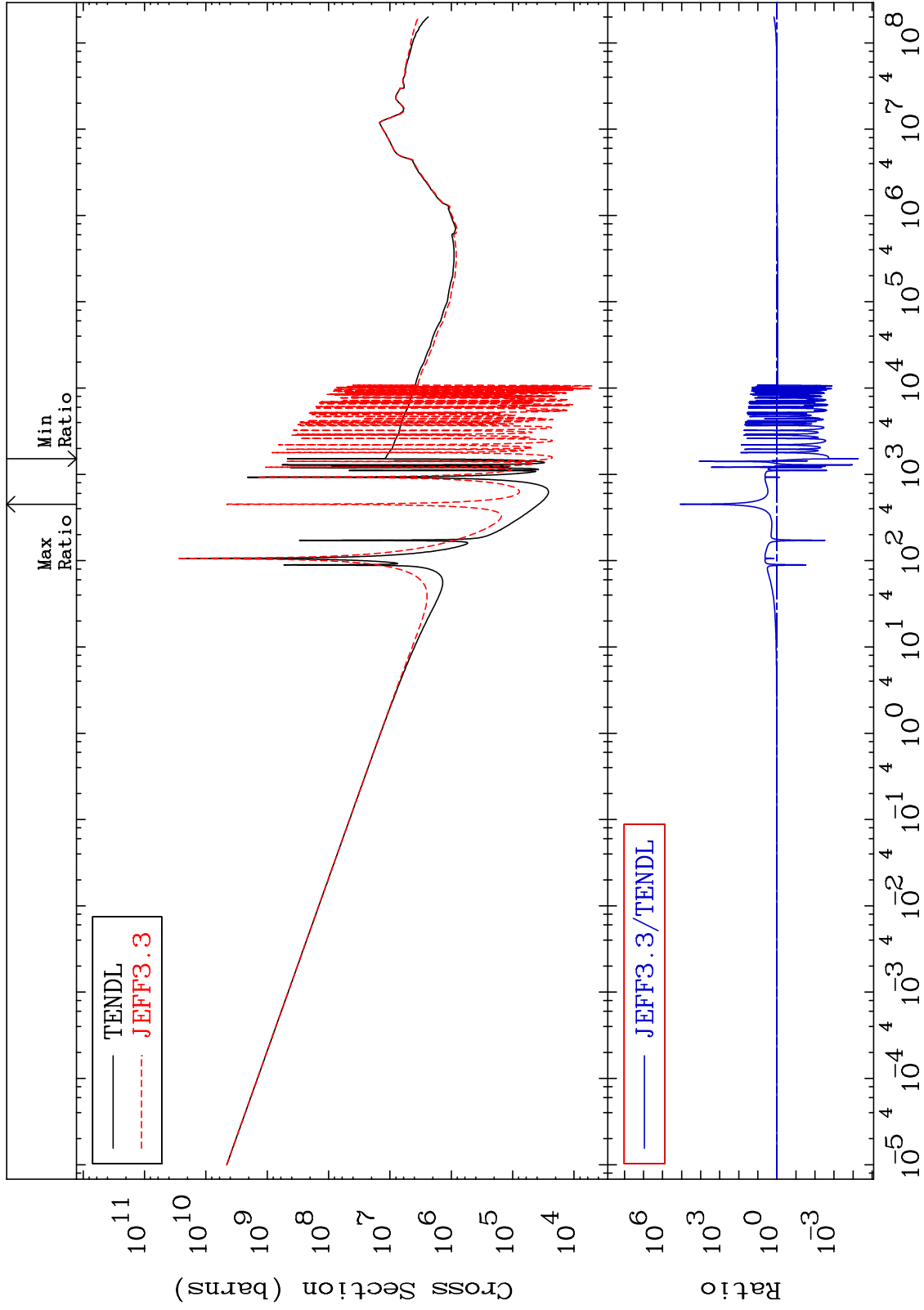
Incident Energy (eV)

36-Kr-80

MAT 3631

Total photon (eV-barns)  
Cross Section

36-Kr-80  
-99.99 To 9999. %



58

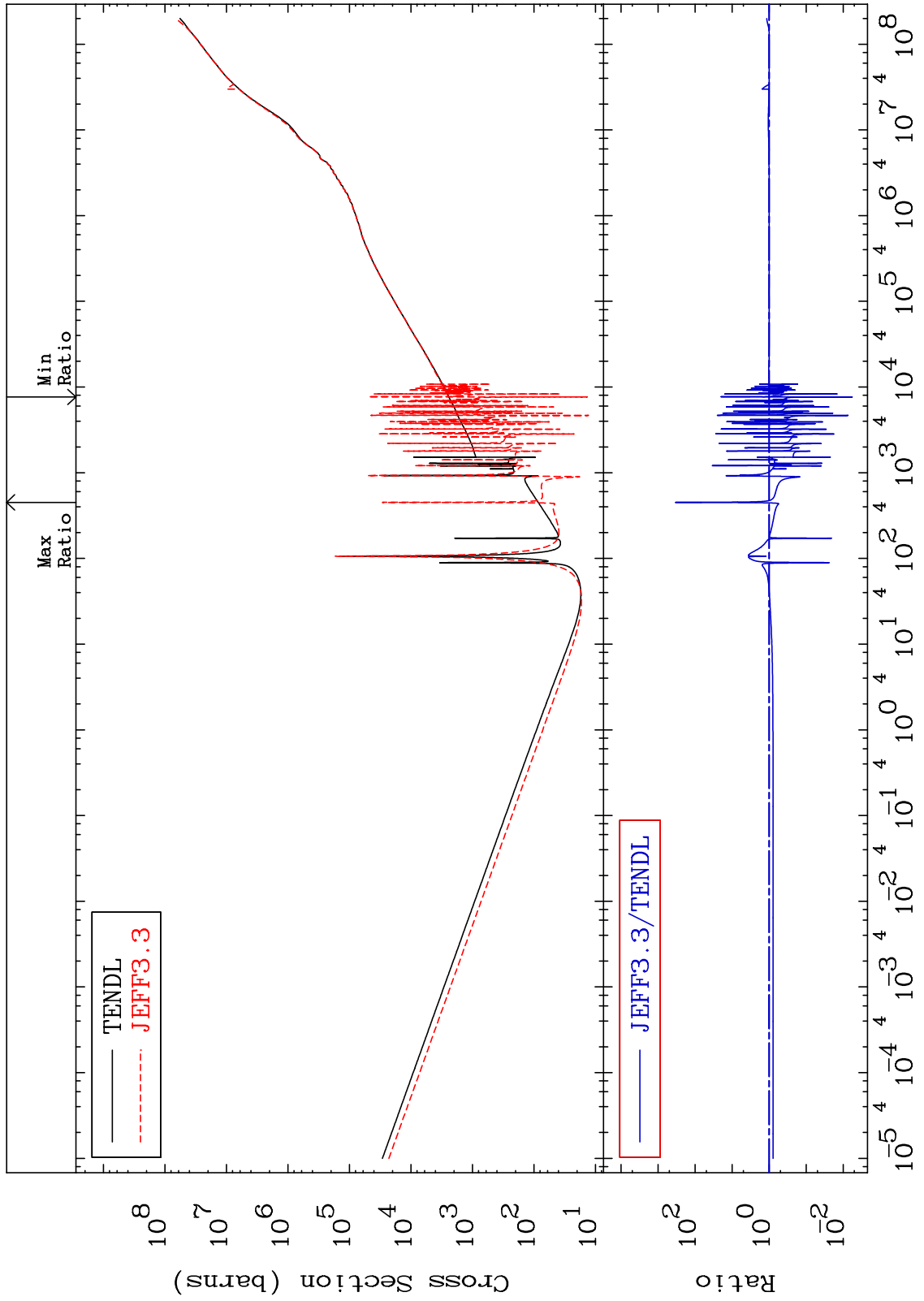
Incident Energy (eV)

36-Kr-80

MAT 3631

Total kinematic kerma (high limit)  
Cross Section

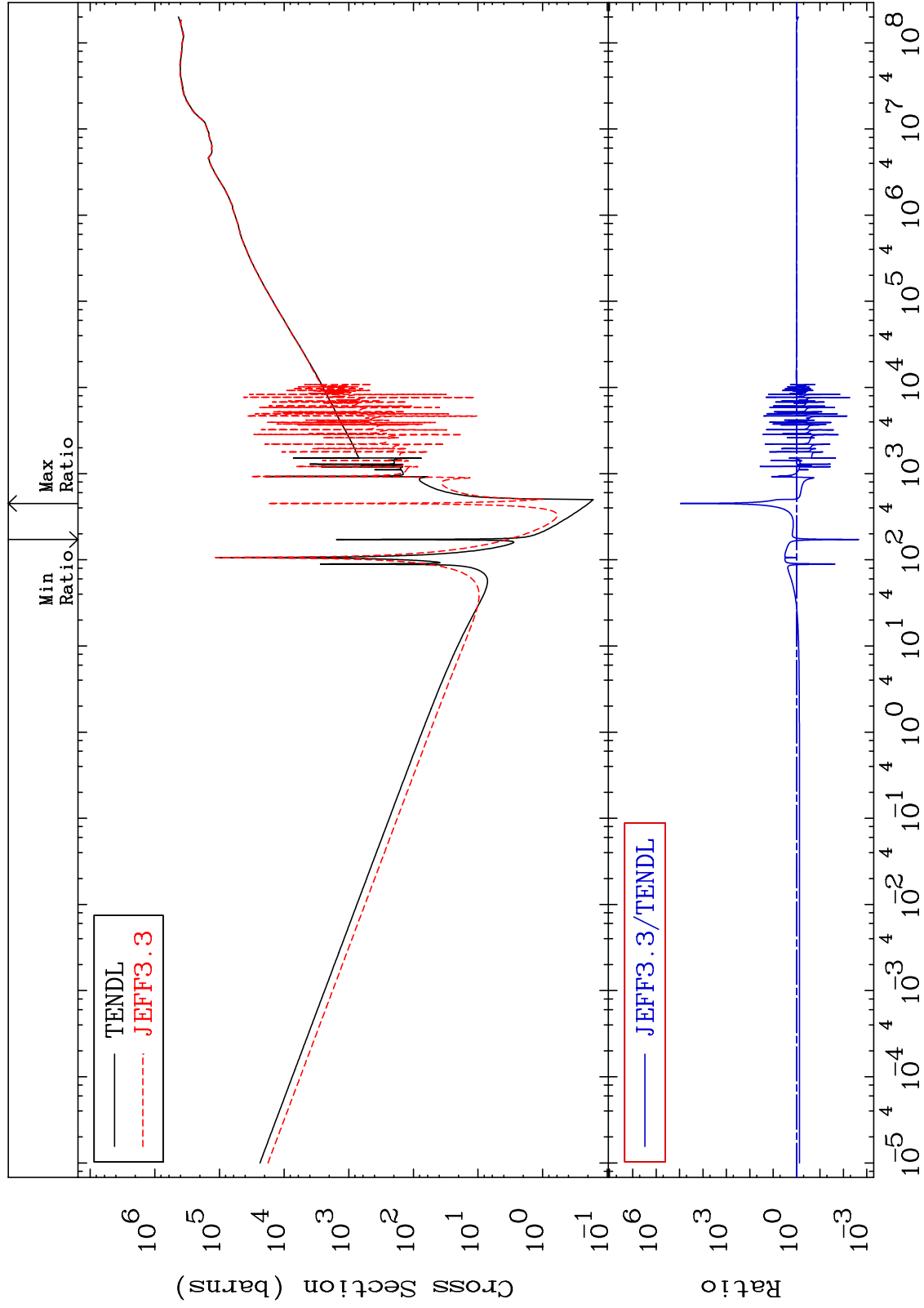
36-Kr-80  
-99.43 To 9999. %



MAT 3631

Dpa total (eV-barns)  
Cross Section

36-Kr-80  
-99.77 To 9999. %



60

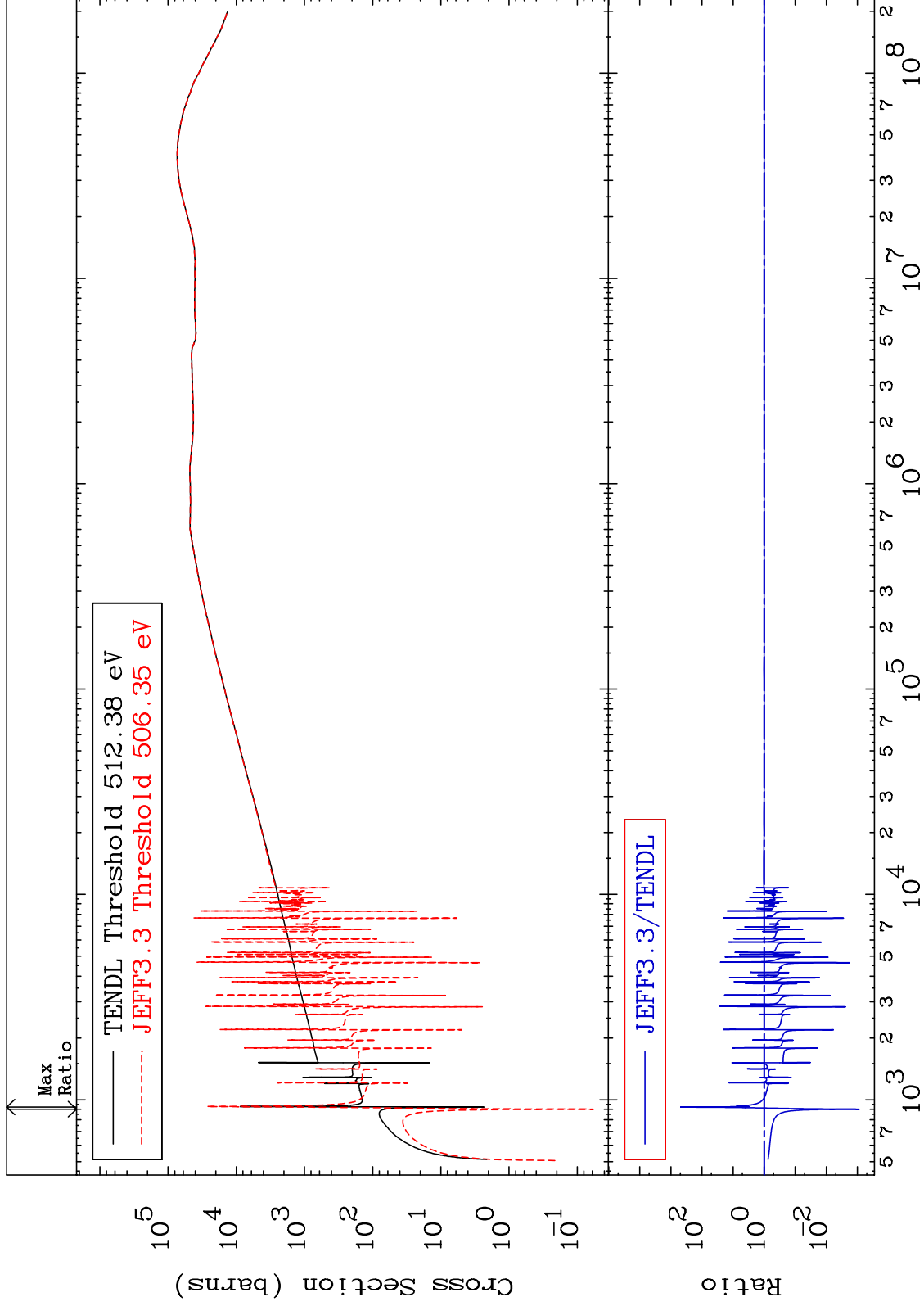
Incident Energy (eV)

36-Kr-80

MAT 3631

Dpa elastic (mt2)  
Cross Section

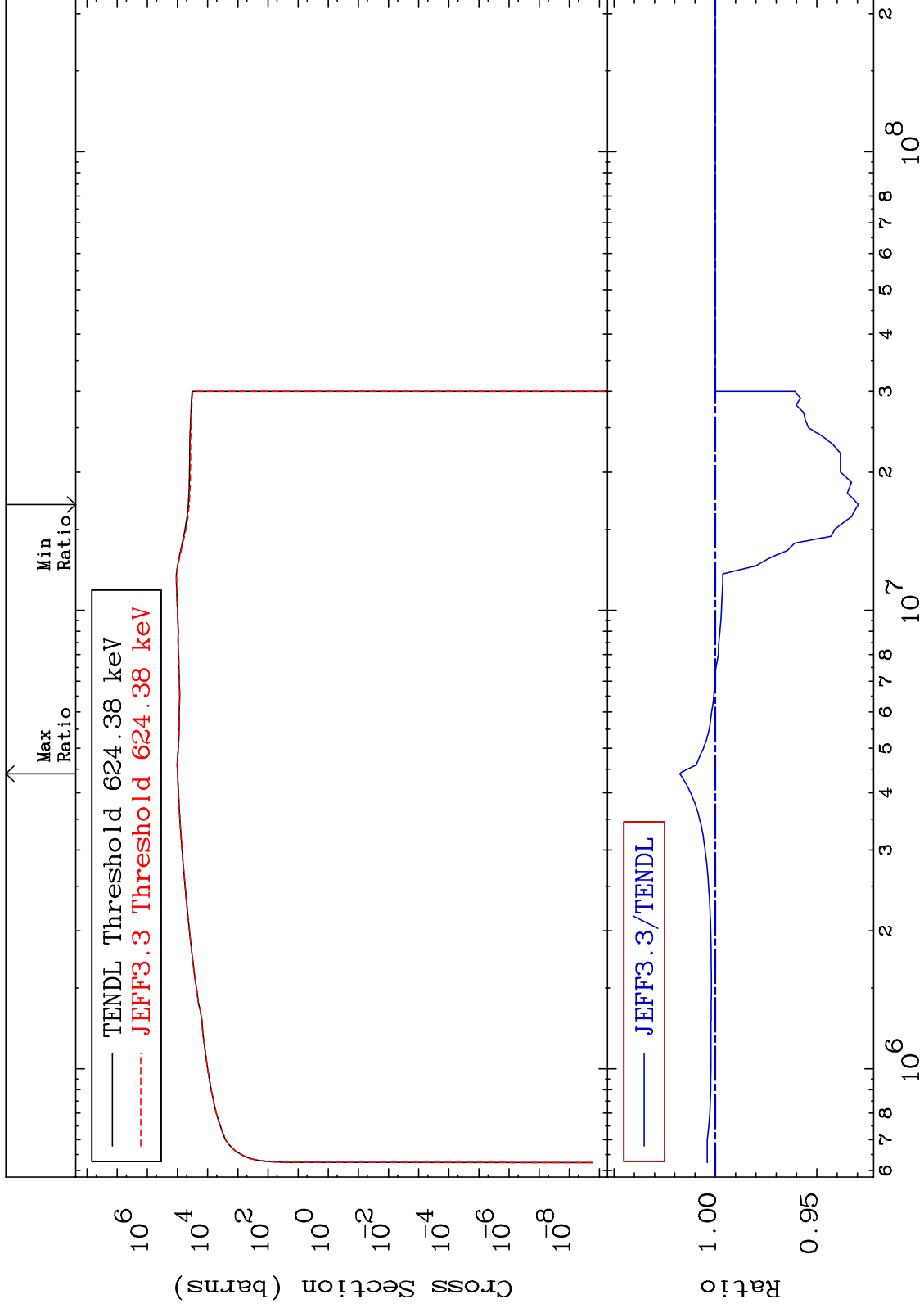
36-Kr-80  
-99.91 To 9999. %



MAT 3631

Dpa inelastic (mt51-91)  
Cross Section

36-Kr-80  
-7.049 To 1.754 %



62

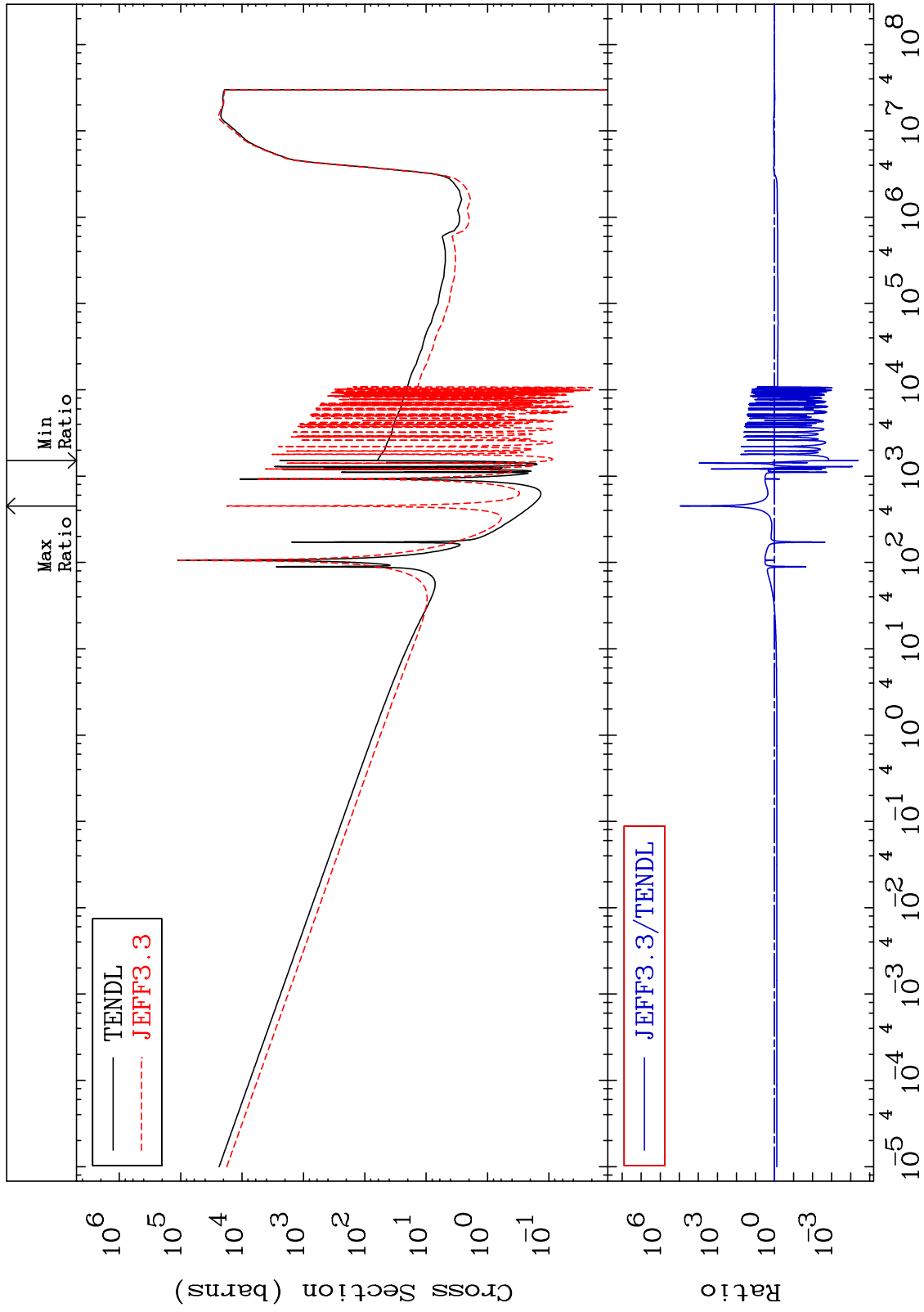
Incident Energy (eV)

36-Kr-80

MAT 3631

Dpa disappearance (mt102 -120)  
Cross Section

36-Kr-80  
-100.0 To 9999. %



63

Incident Energy (eV)

36-Kr-80

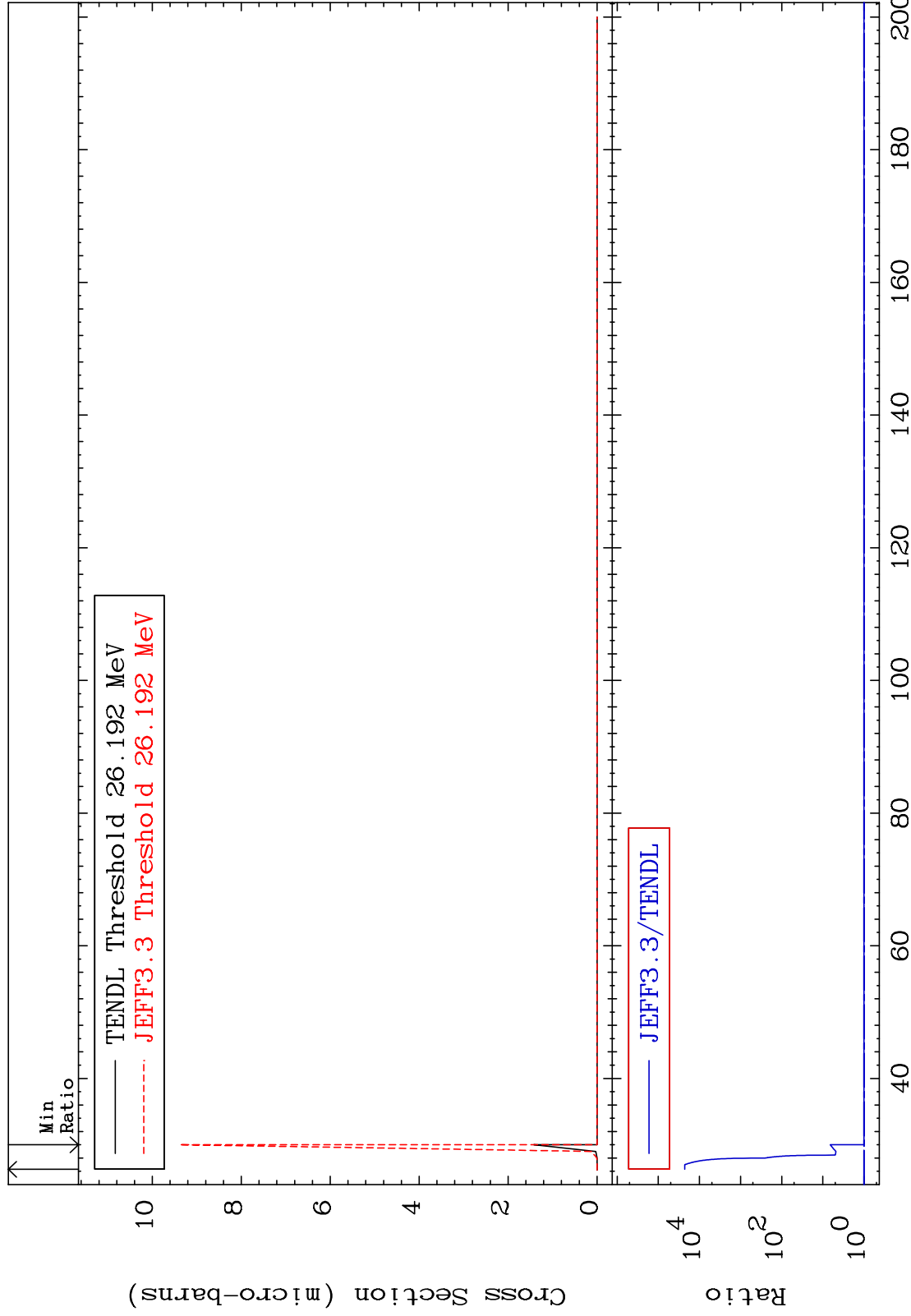


MAT 3631

(n,2n) d:35-Br-77g

36-Kr-80

Radionuclide Production Cross Section 0.000 To 9999. %



64

Incident Energy (MeV)

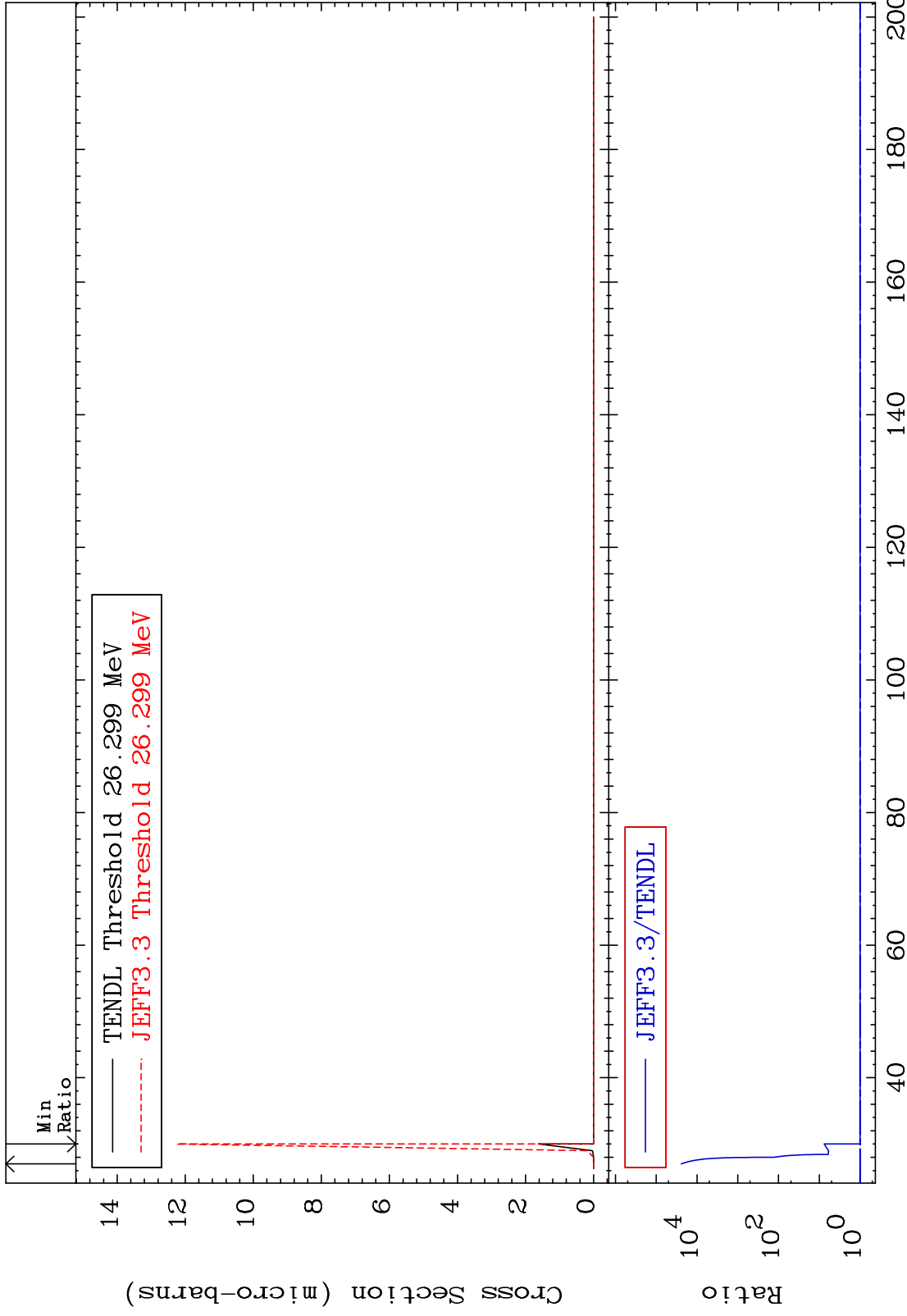
36-Kr-80

MAT 3631

(n,2n) d:35-Br-77m1

36-Kr-80

Radionuclide Production Cross Section 0.000 To 9999. %



65

Incident Energy (MeV)

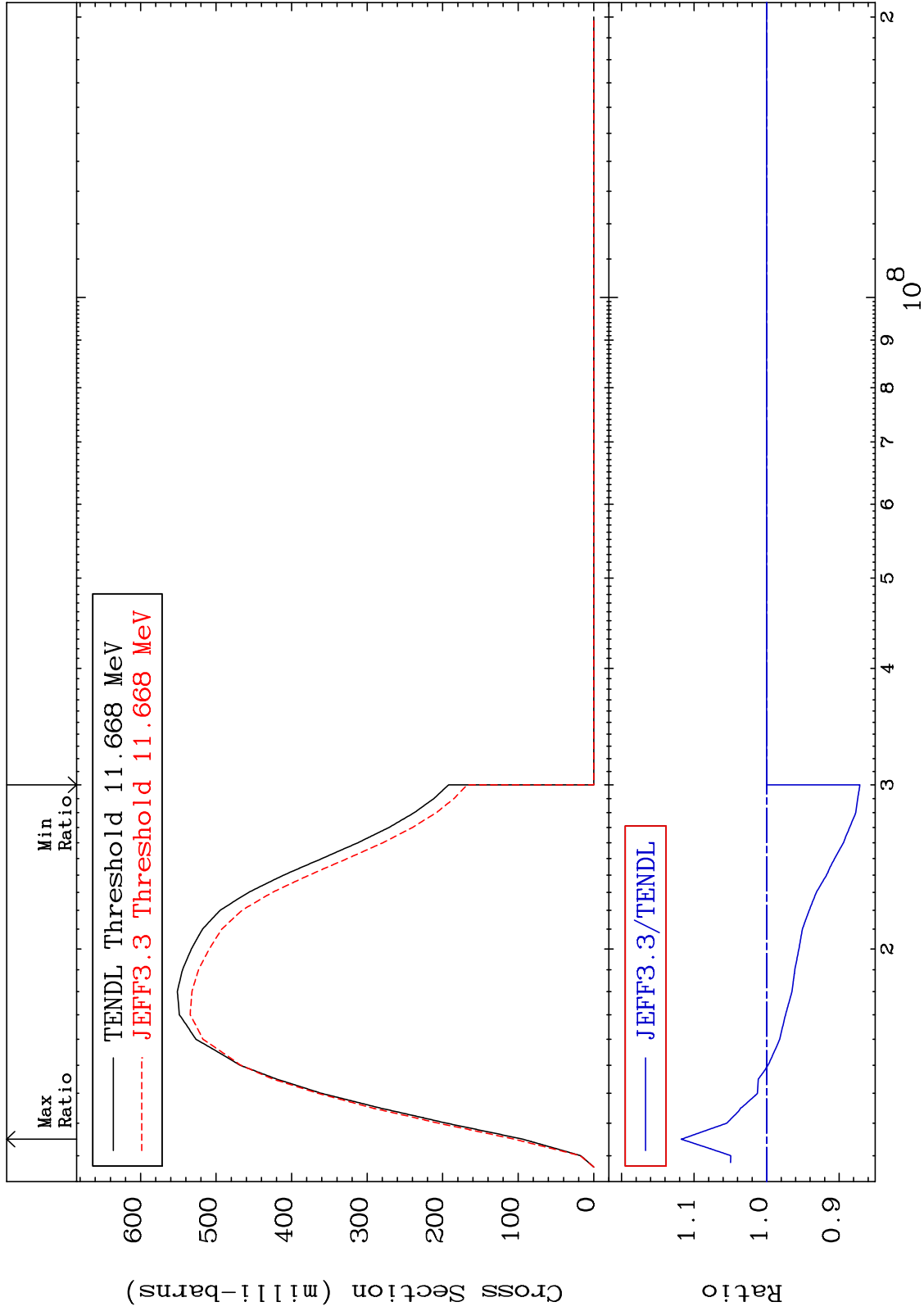
36-Kr-80

MAT 3631

(n,2n):36-Kr-79g

36-Kr-80

Radionuclide Production Cross Section -12.87 To 11.78 %

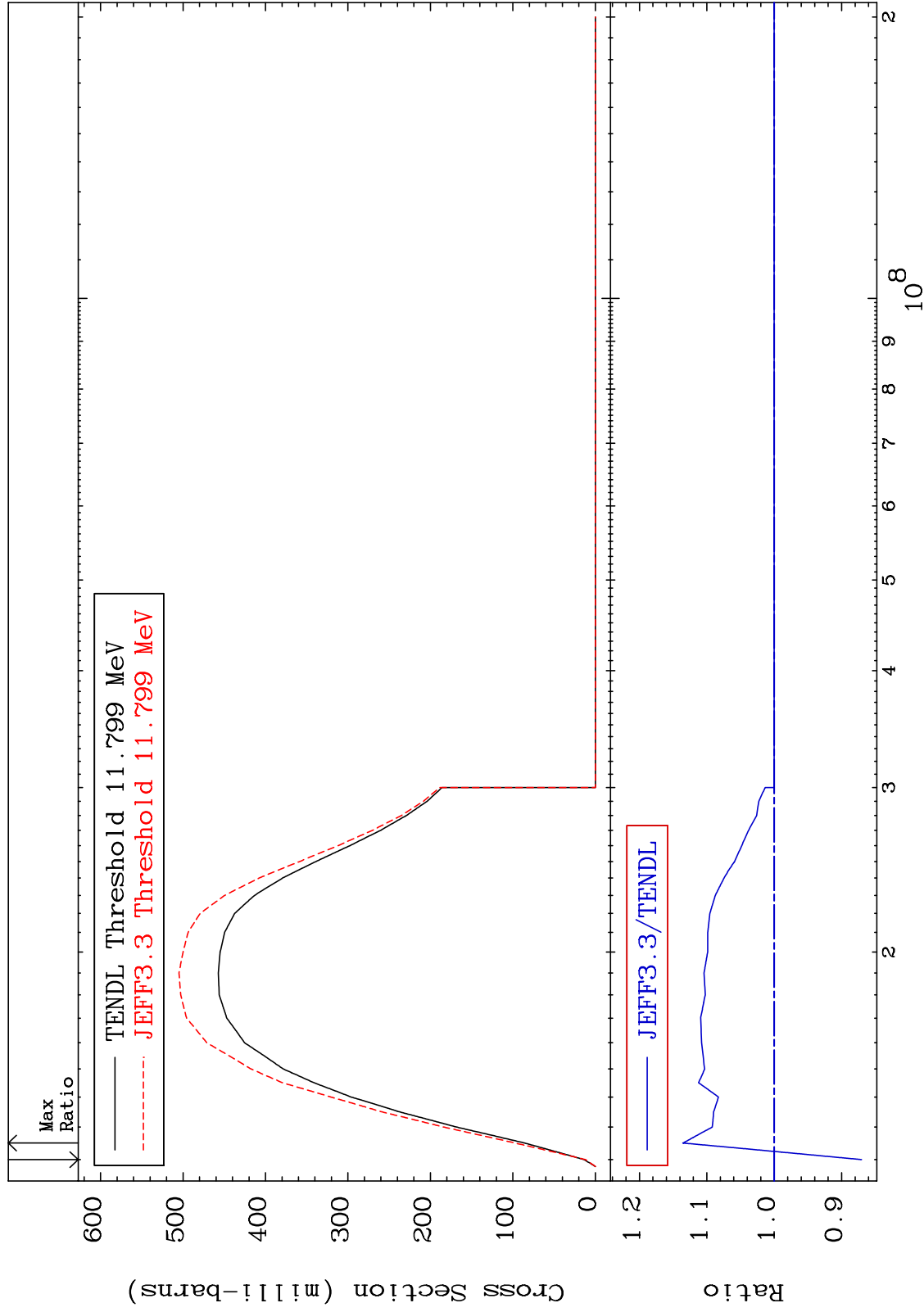


MAT 3631

(n,2n):36-Kr-79m1

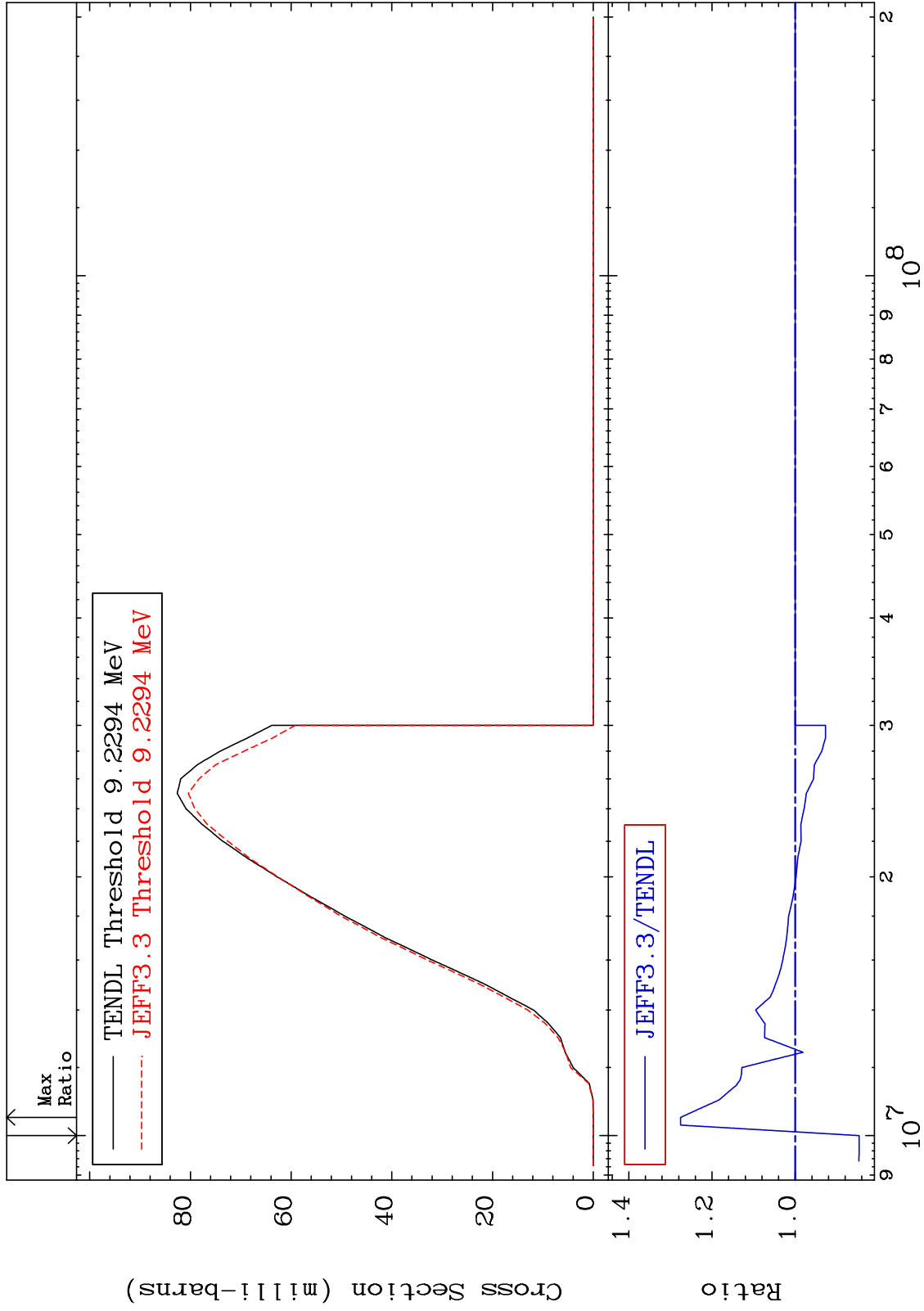
36-Kr-80

Radionuclide Production Cross Section -12.96 To 13.56 %



MAT 3631

(n, n') p:35-Br-79g 36-Kr-80  
Radionuclide Production Cross Section -15.37 To 27.55 %



68

36-Kr-80

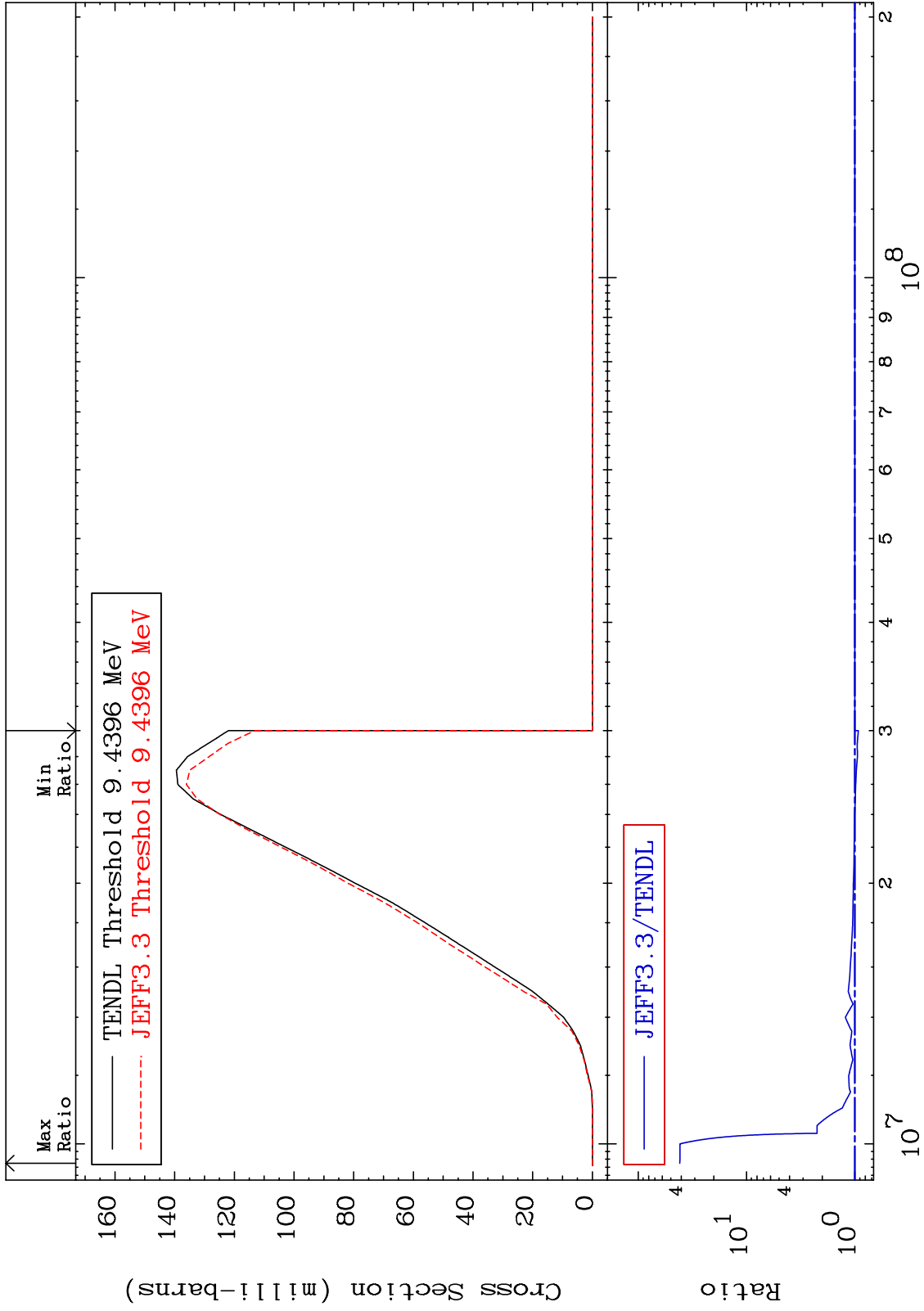
36-Kr-80

MAT 3631

(n, n') p:35-Br-79m1

36-Kr-80

Radionuclide Production Cross Section -7.275 To 4028. %



69

Incident Energy (eV)

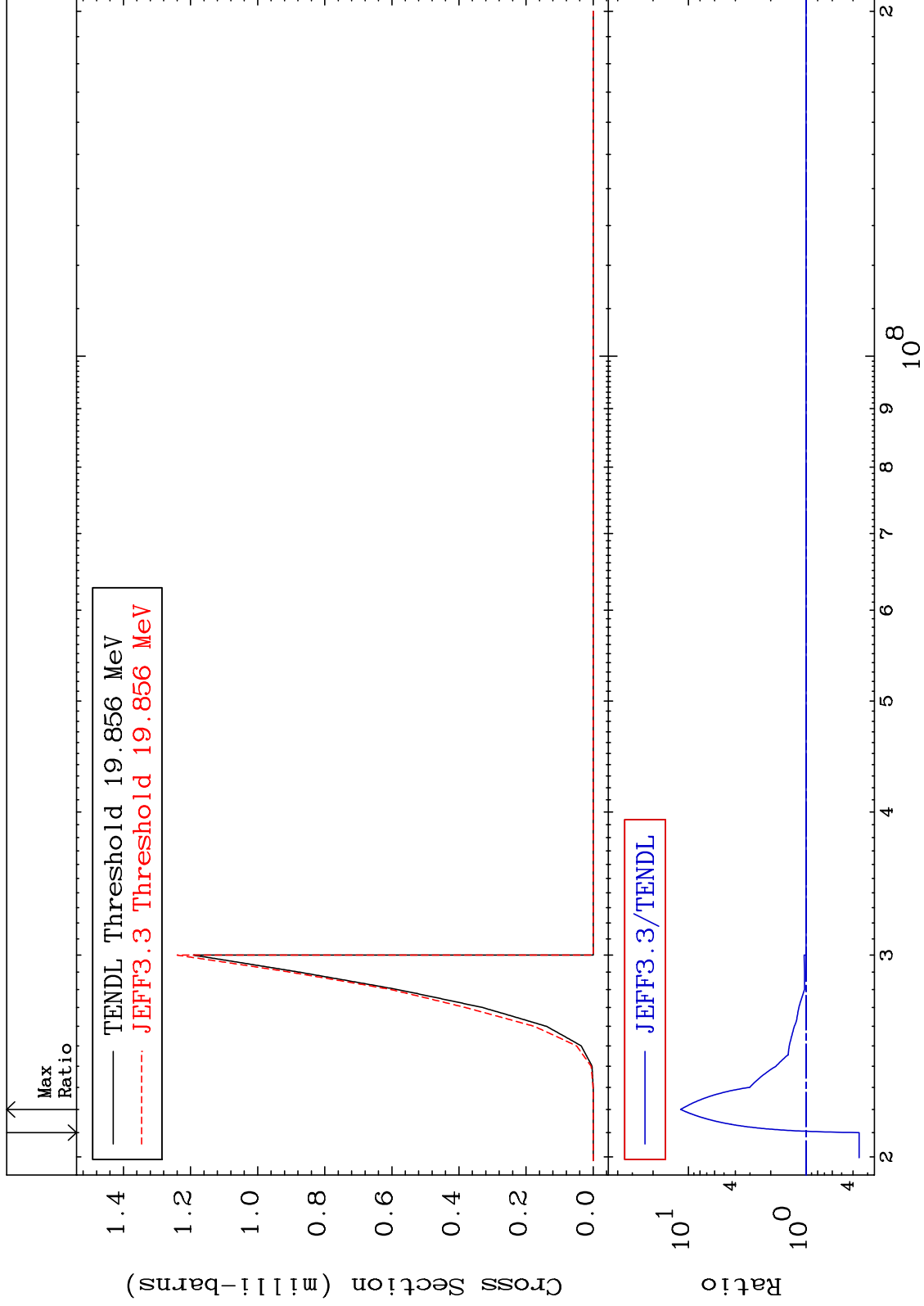
36-Kr-80

MAT 3631

(n, n') t: 35-Br-77g

36-Kr-80

Radionuclide Production Cross Section -64.55 To 1066. %



70

Incident Energy (eV)

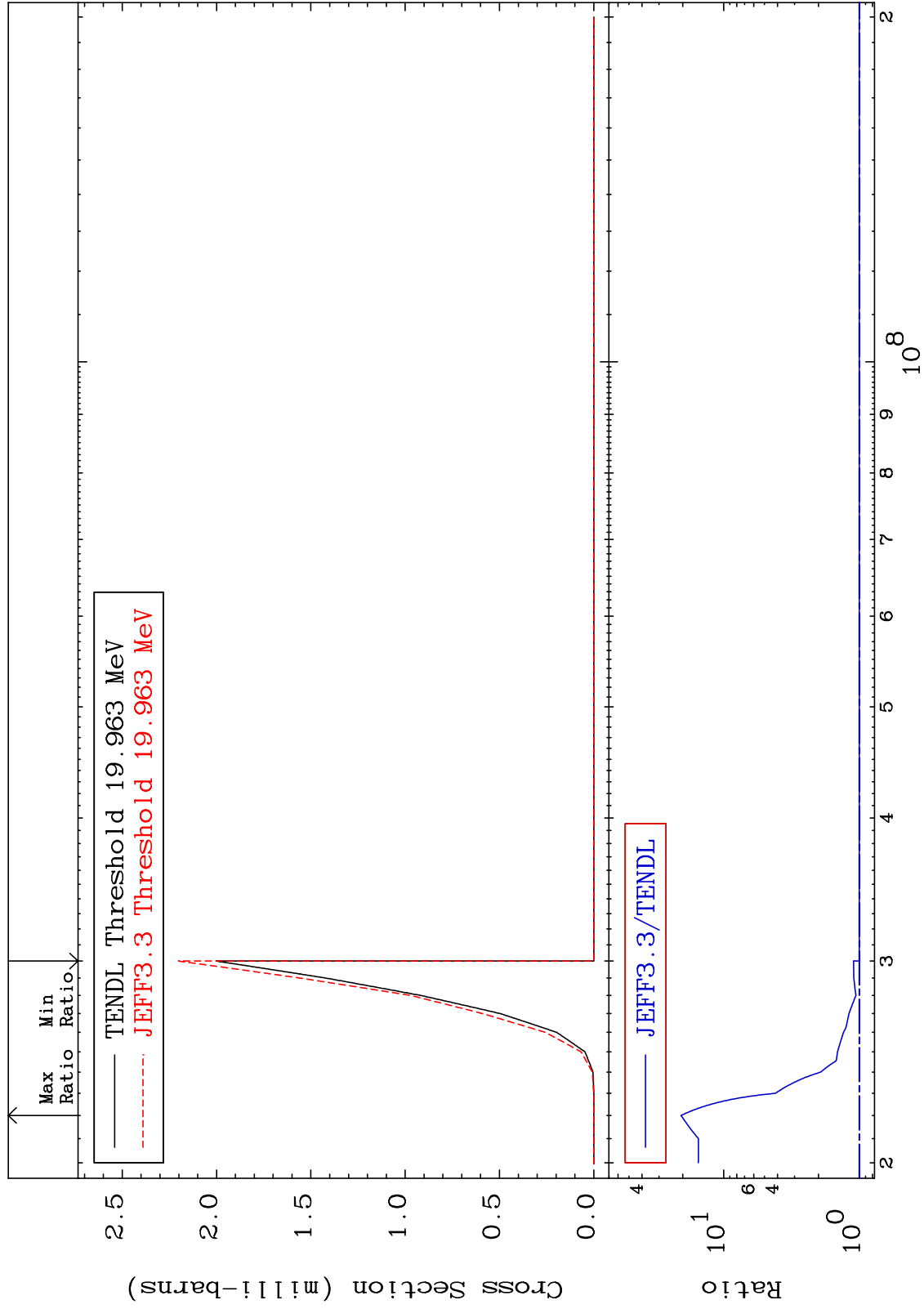
36-Kr-80

MAT 3631

(n, n') t:35-Br-77m1

36-Kr-80

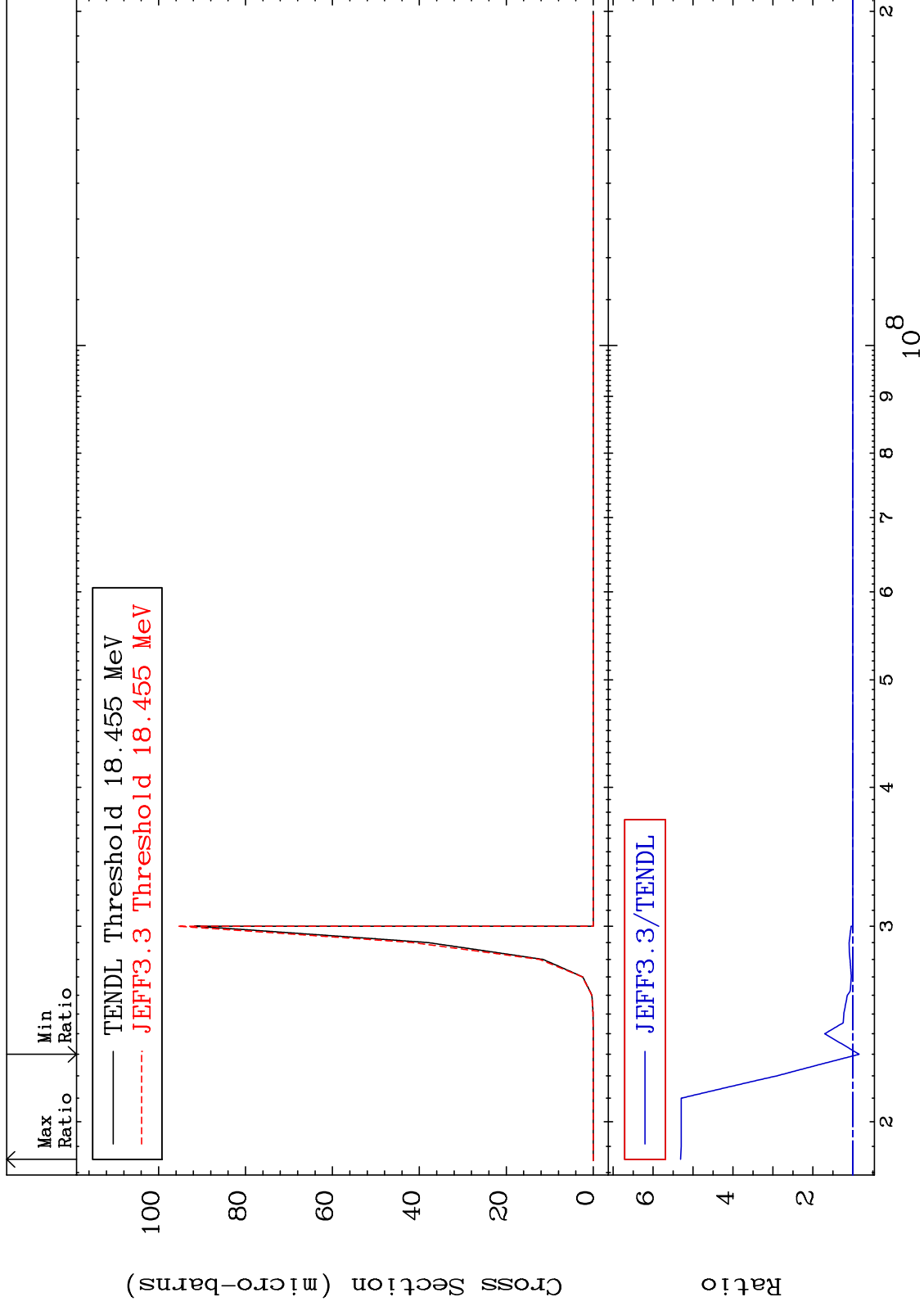
Radionuclide Production Cross Section 0.000 To 1960. %





MAT 3631

(n, n') He-3:34-Se-77g 36-Kr-80  
Radionuclide Production Cross Section -15.83 To 431.1 %



72

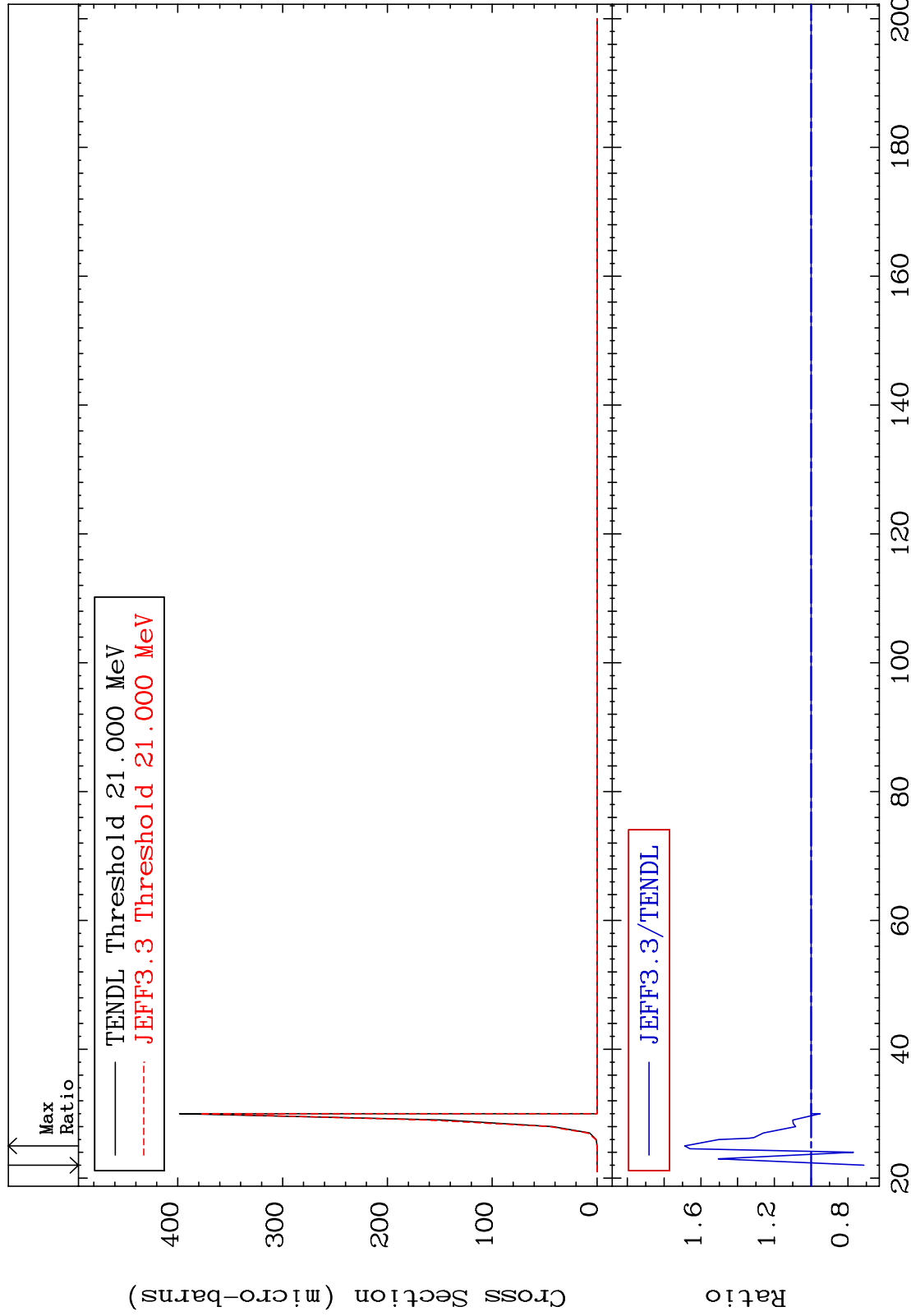
36-Kr-80

MAT 3631

(n, n') He-3:34-Se-77m1

36-Kr-80

Radionuclide Production Cross Section -28.70 To 68.73 %



73

Incident Energy (MeV)

36-Kr-80

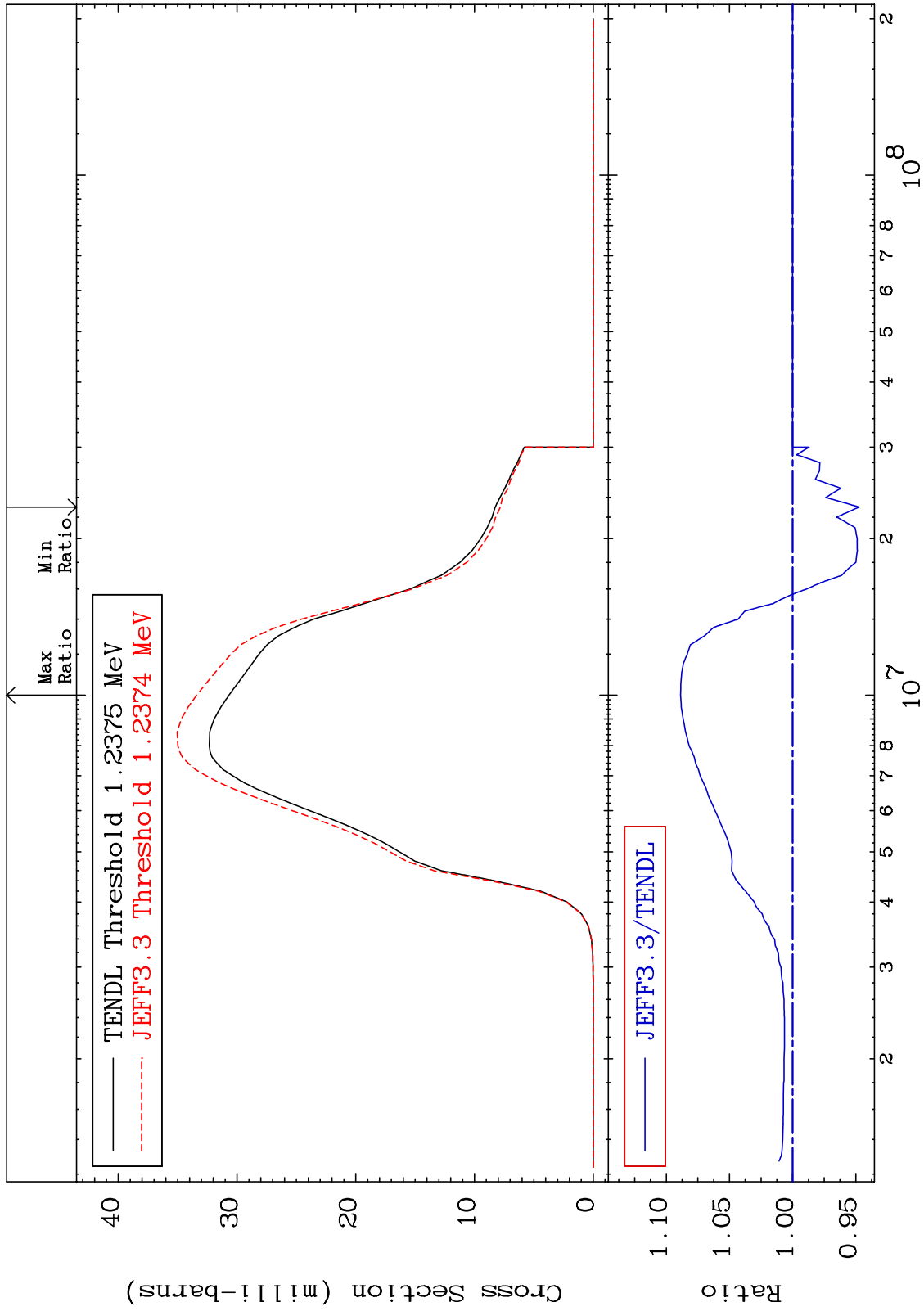
MAT 3631

(n, p) : 35-Br-80g

36-Kr-80

Radionuclide Production Cross Section

-5.265 To 8.864 %

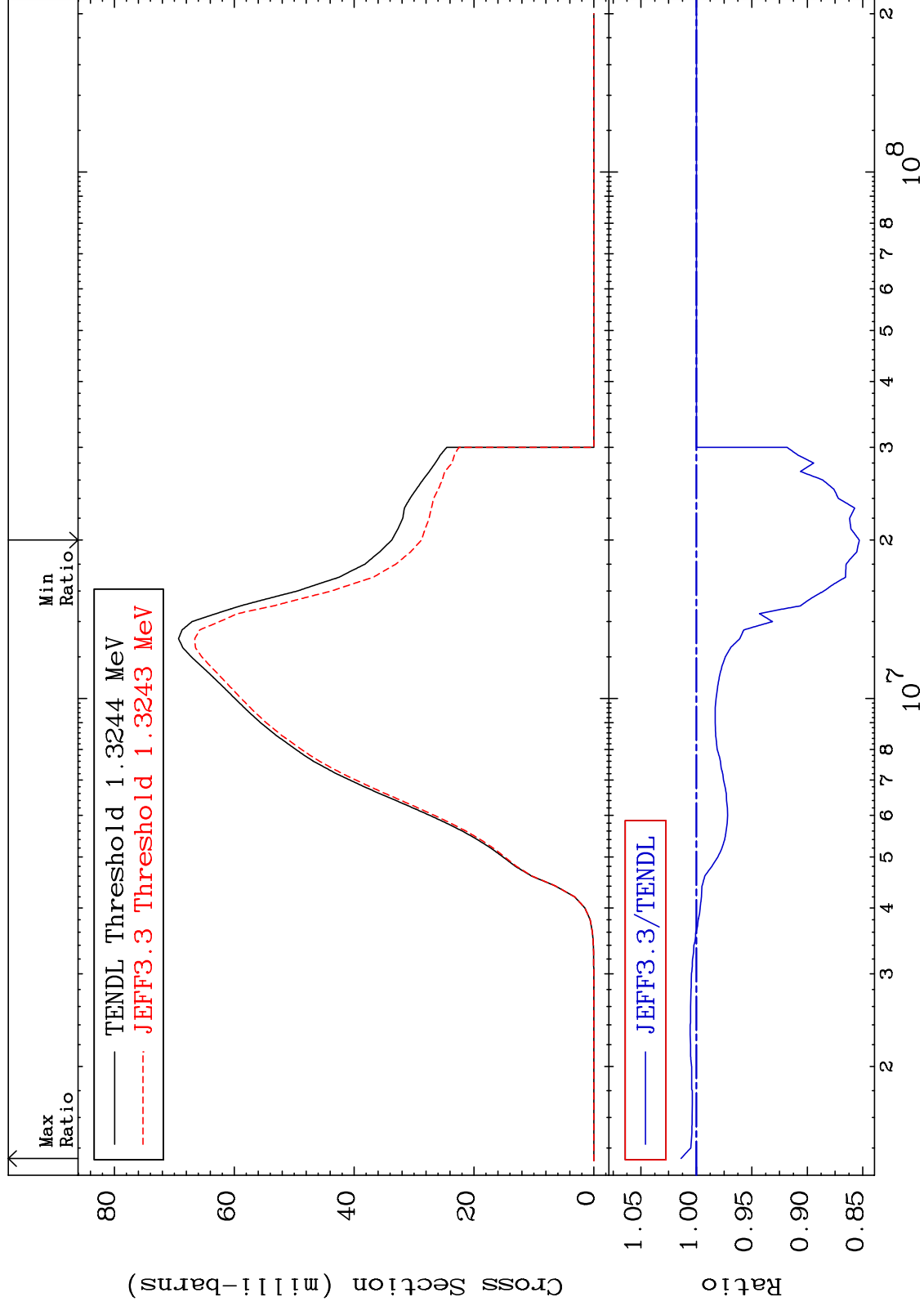


MAT 3631

(n, p) : 35-Br-80m2

36-Kr-80

Radionuclide Production Cross Section -14.69 To 1.379 %



75

Incident Energy (eV)

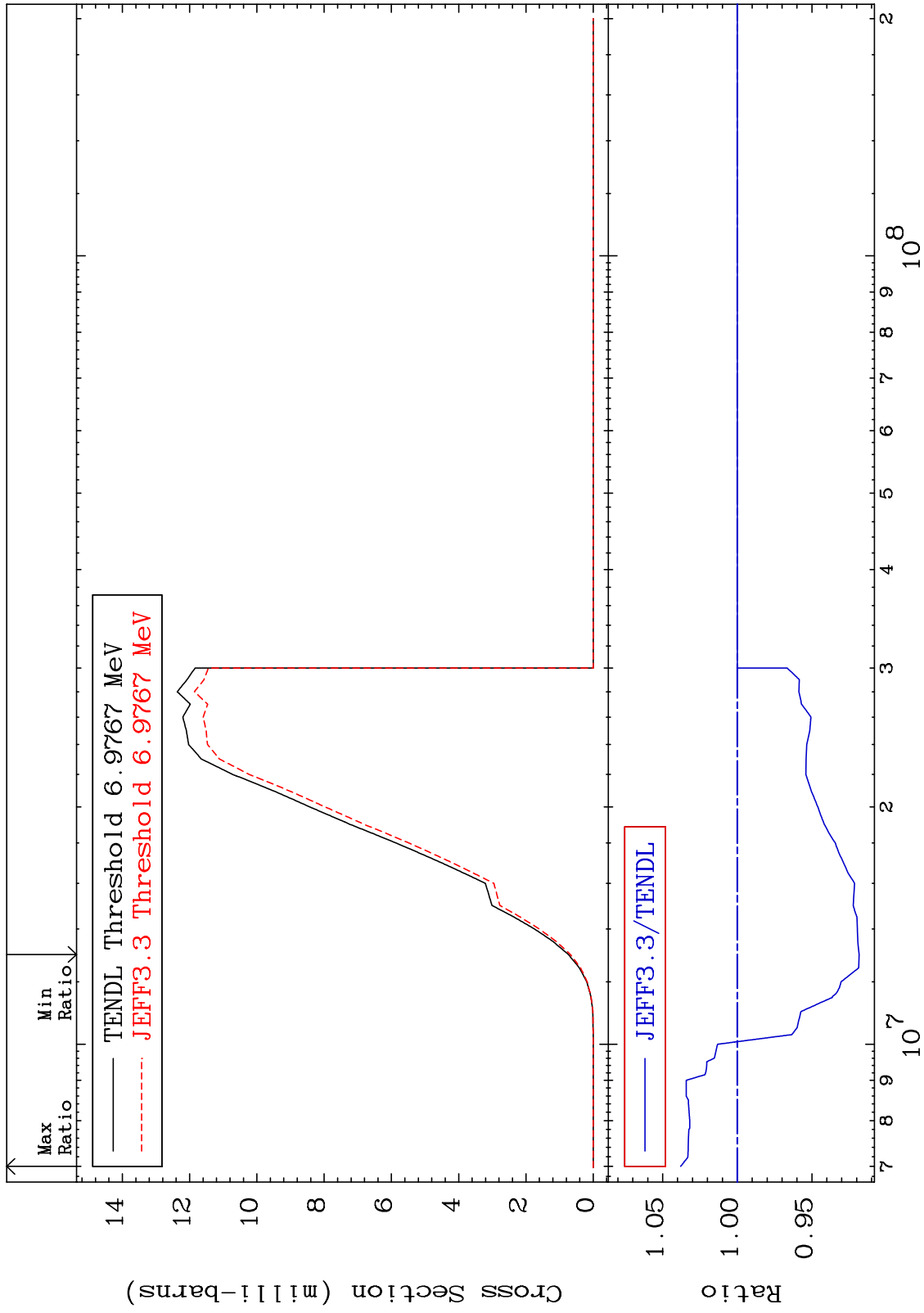
36-Kr-80

MAT 3631

(n, d) : 35-Br-79g

36-Kr-80

Radionuclide Production Cross Section -8.167 To 3.797 %



76

Incident Energy (eV)

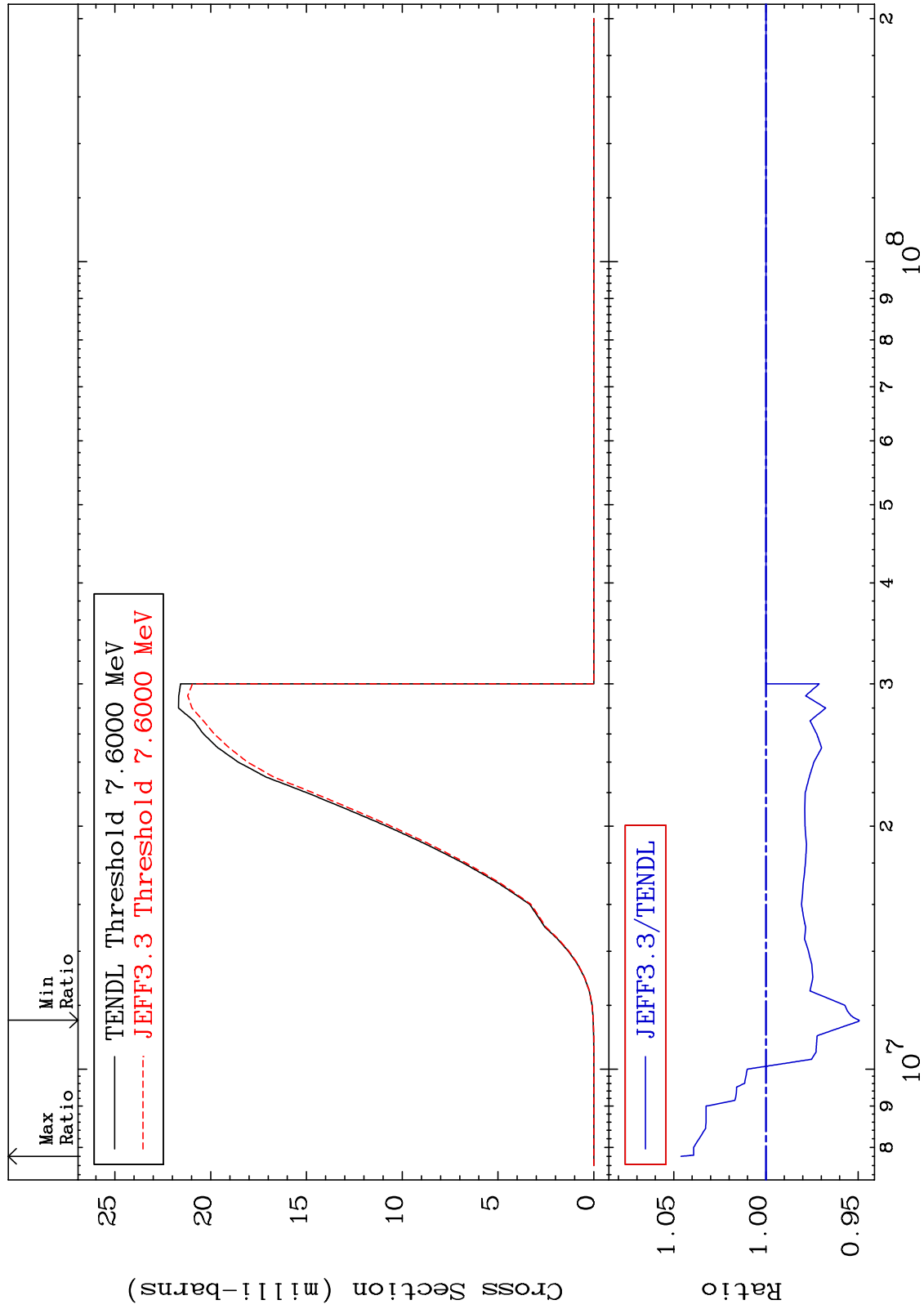
36-Kr-80

MAT 3631

(n, d): 35-Br-79m1

36-Kr-80

Radionuclide Production Cross Section -5.063 To 4.605 %



77

Incident Energy (eV)

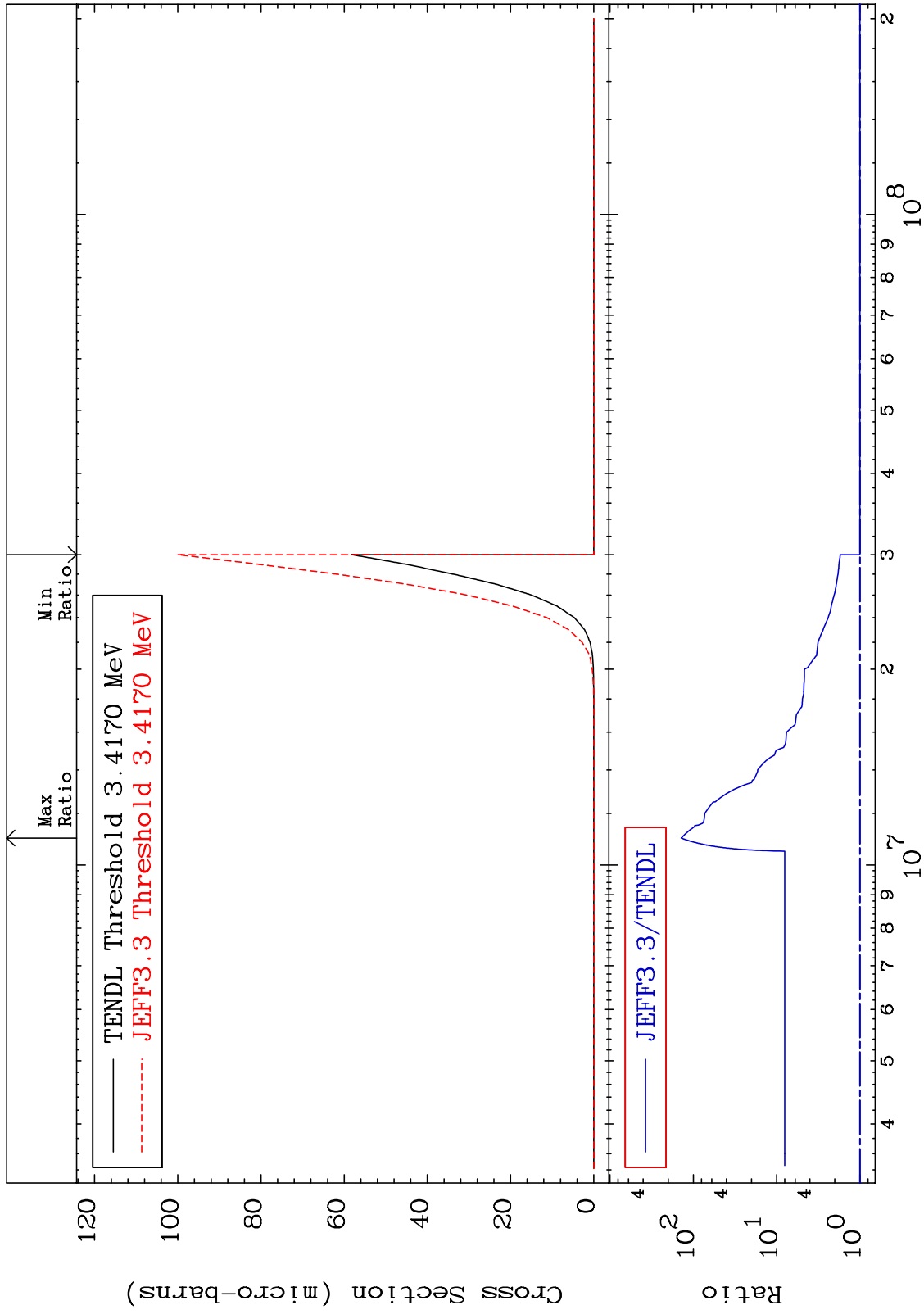
36-Kr-80

MAT 3631

36-Kr-80

(n,2α) : 32-Ge-73g

Radionuclide Production Cross Section 0.000 To 9999. %



78

Incident Energy (eV)

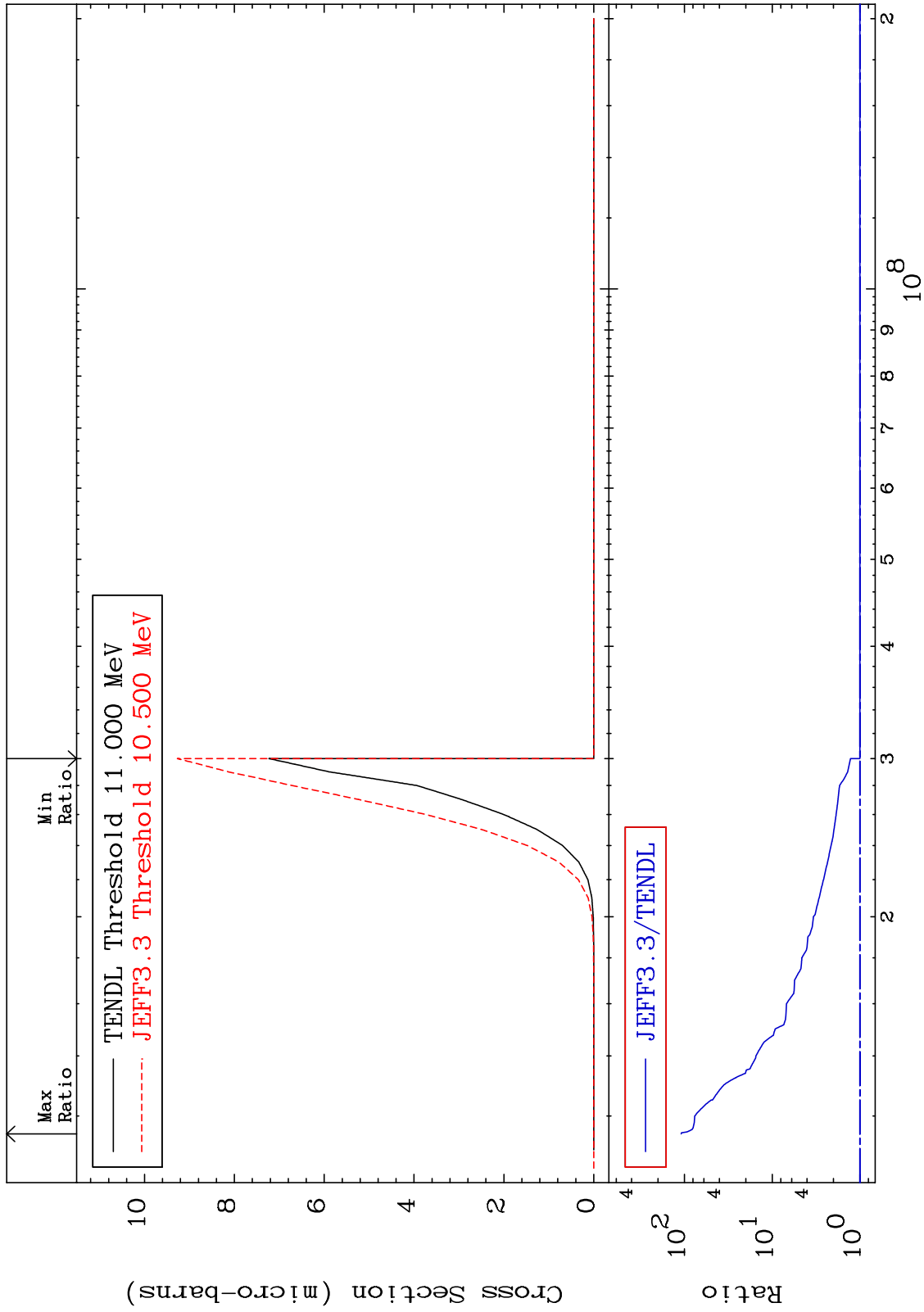
36-Kr-80

MAT 3631

(n,2α):32-Ge-73m2

36-Kr-80

Radionuclide Production Cross Section 0.000 To 9999. %



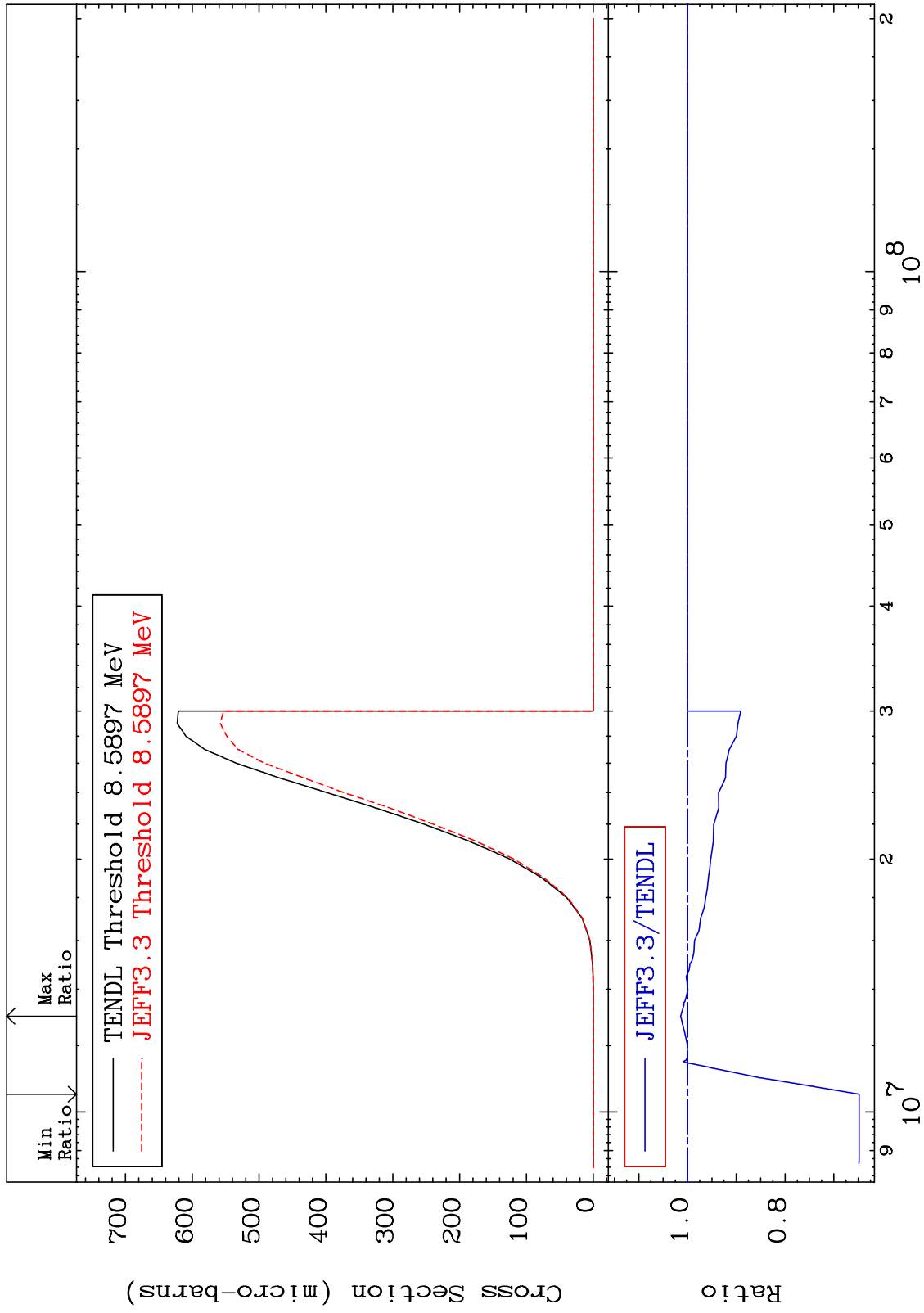


MAT 3631

(n,2p):34-Se-79g

36-Kr-80

Radionuclide Production Cross Section -35.20 To 1.415 %



80

Incident Energy (eV)

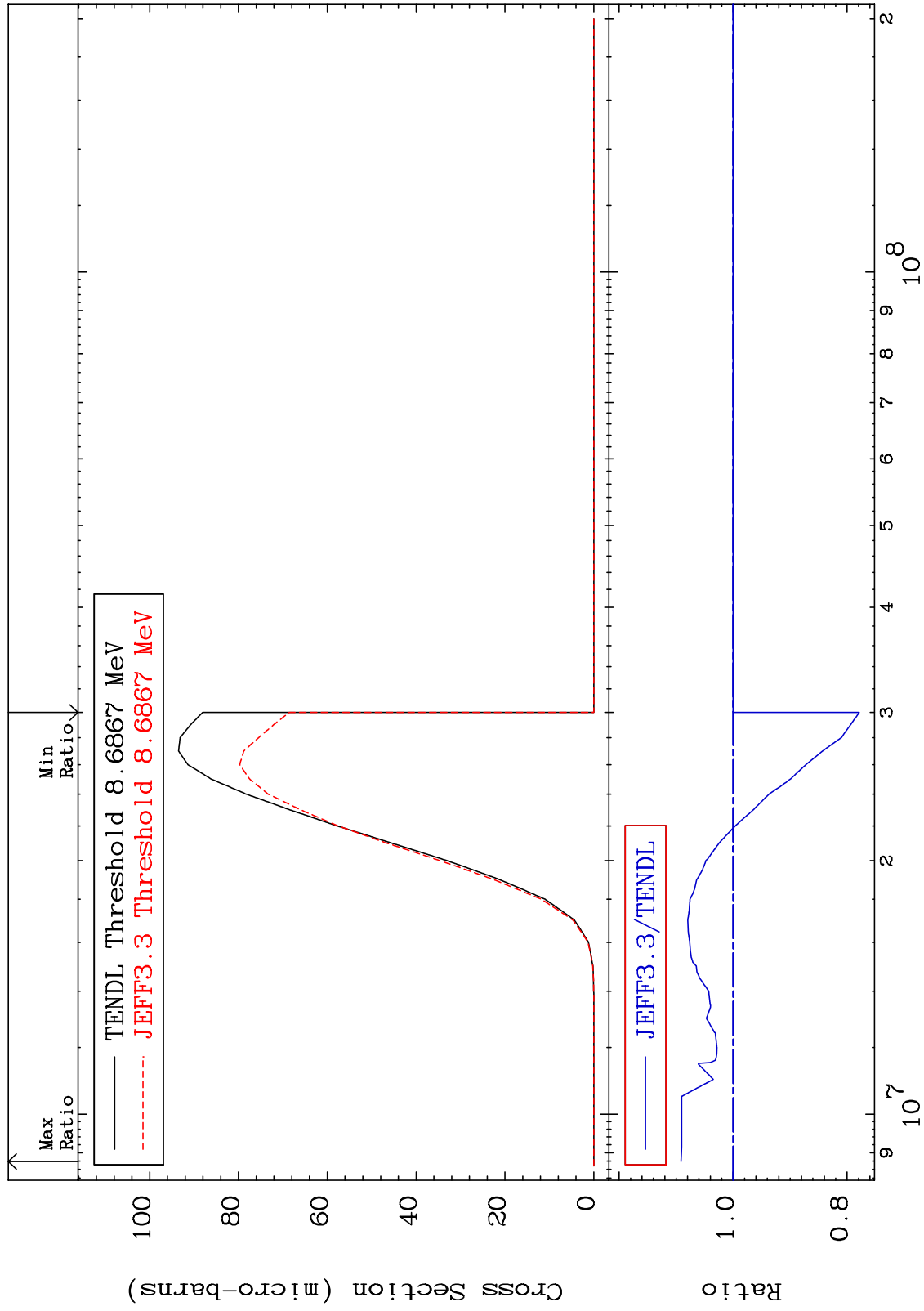
36-Kr-80

MAT 3631

(n,2p):34-Se-79m1

36-Kr-80

Radionuclide Production Cross Section -22.13 To 9.141 %



81

Incident Energy (eV)

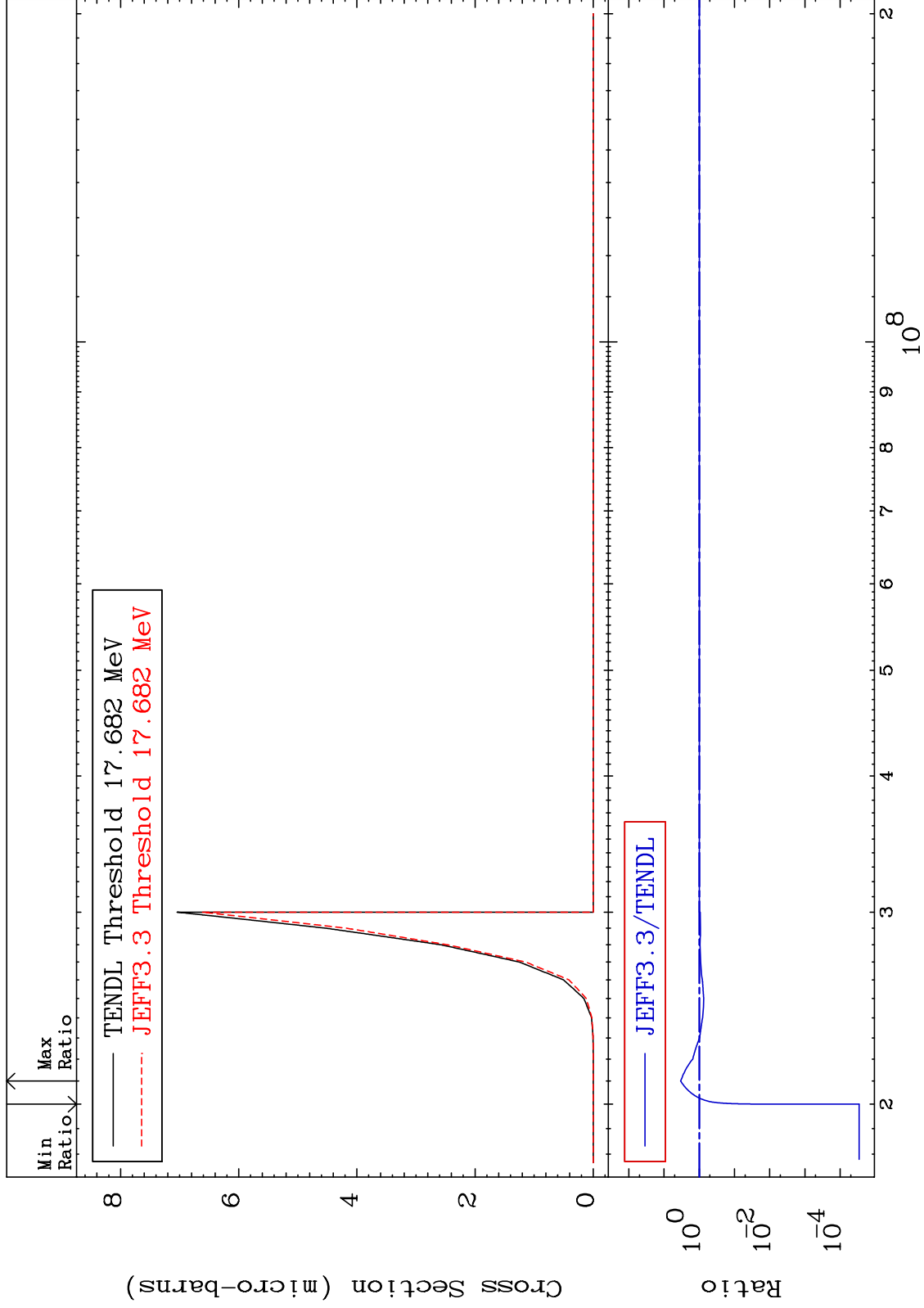
36-Kr-80

MAT 3631

(n,p) t:34-Se-77g

36-Kr-80

Radionuclide Production Cross Section -100.0 To 238.8 %



82

Incident Energy (eV)

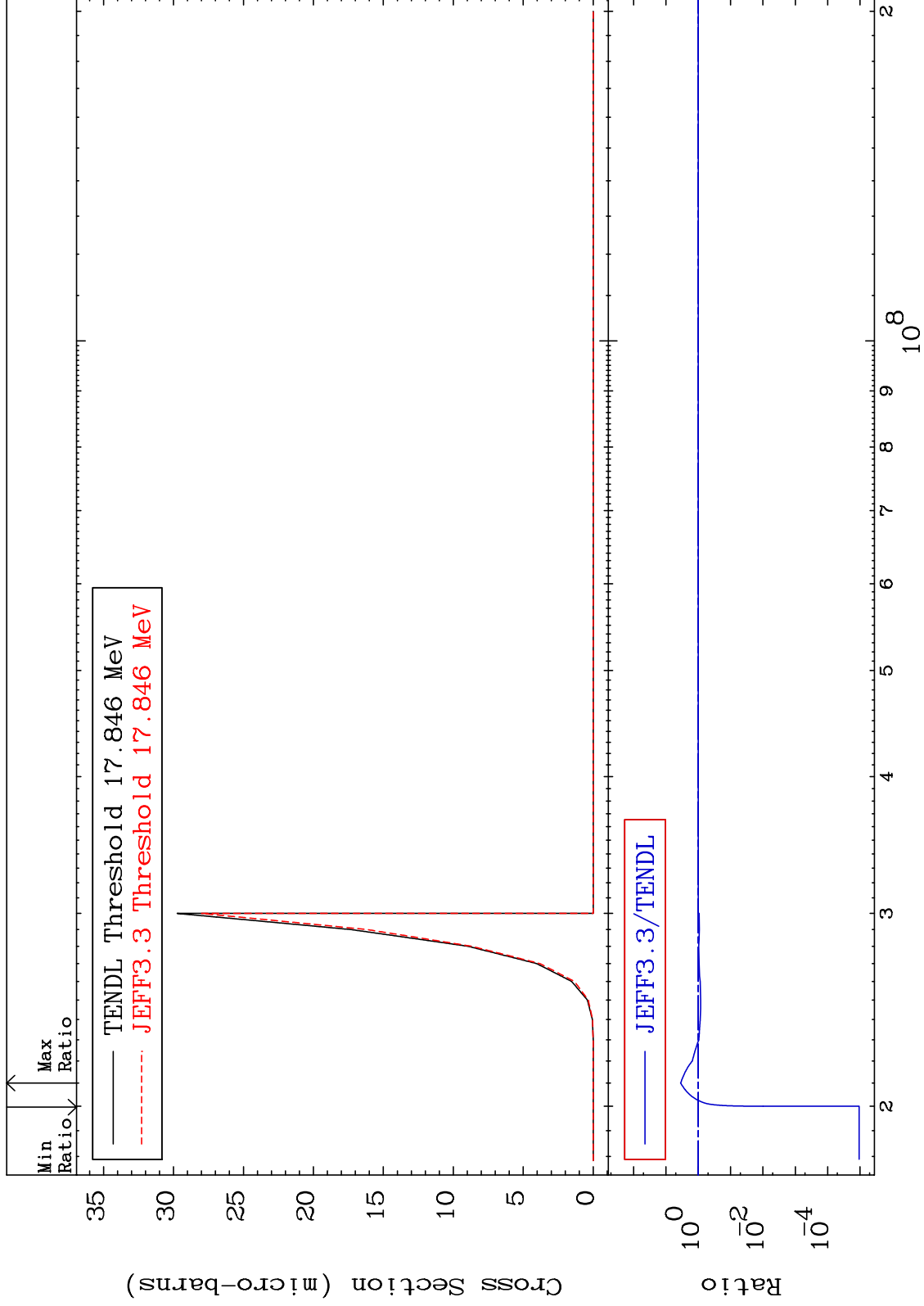
36-Kr-80

MAT 3631

(n, p) t:34-Se-77m1

36-Kr-80

Radionuclide Production Cross Section -100.0 To 251.5 %



83

Incident Energy (eV)

36-Kr-80