

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

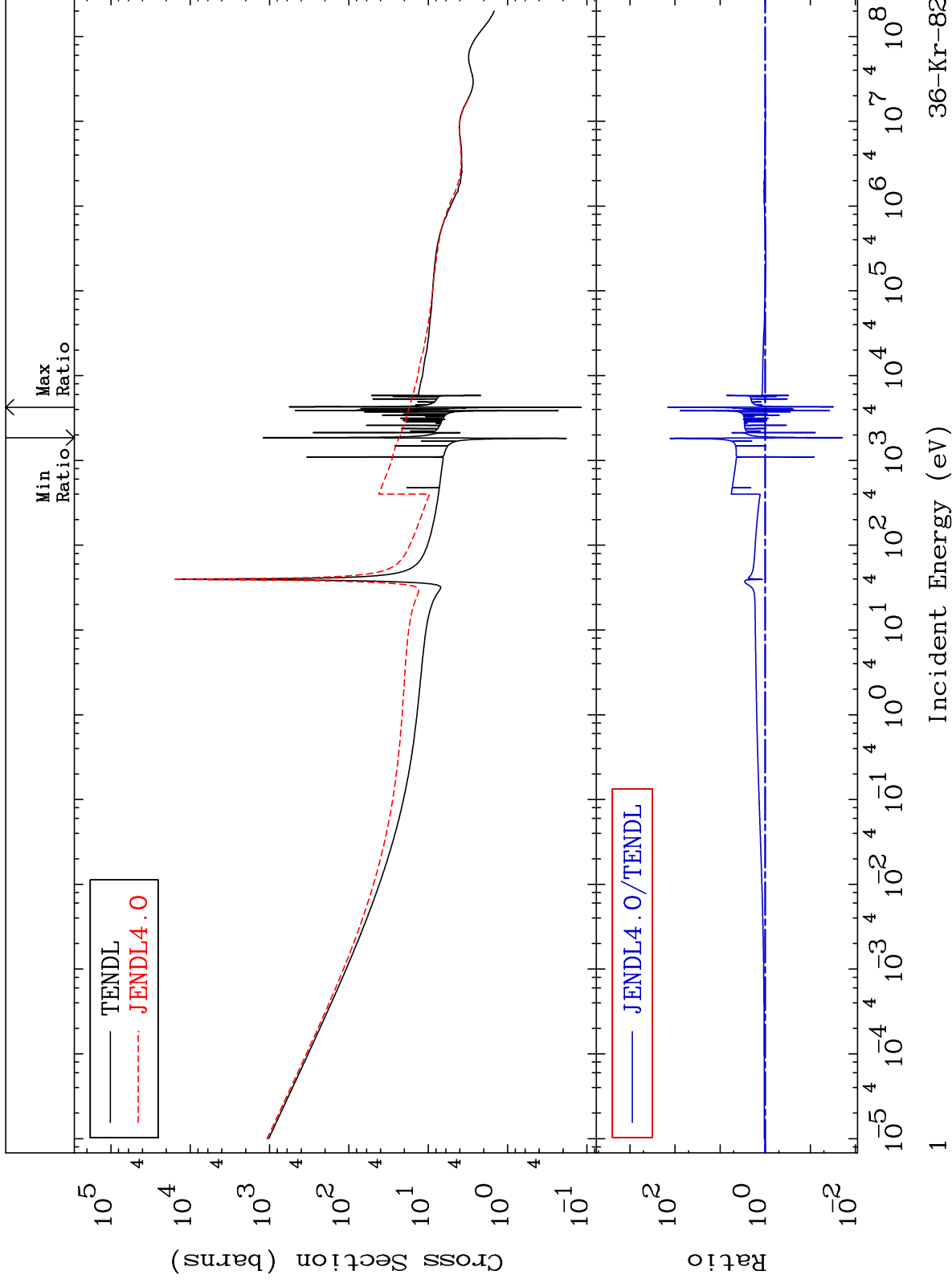
MAT 3637

Total

36-Kr-82

Cross Section

-98.07 To 9999. %



36-Kr-82

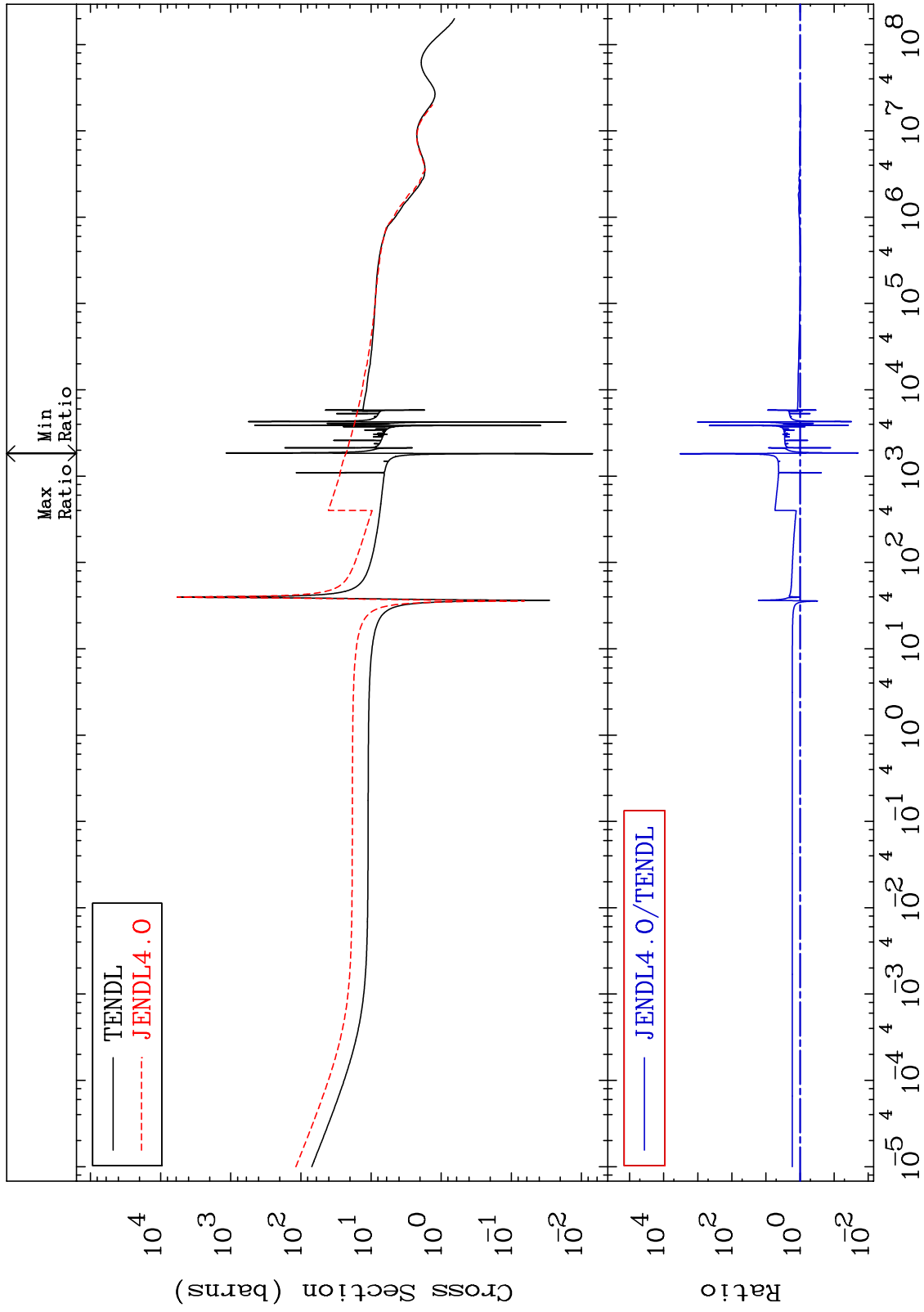
MAT 3637

Elastic

Cross Section

36-Kr-82

-98.06 To 9999. %



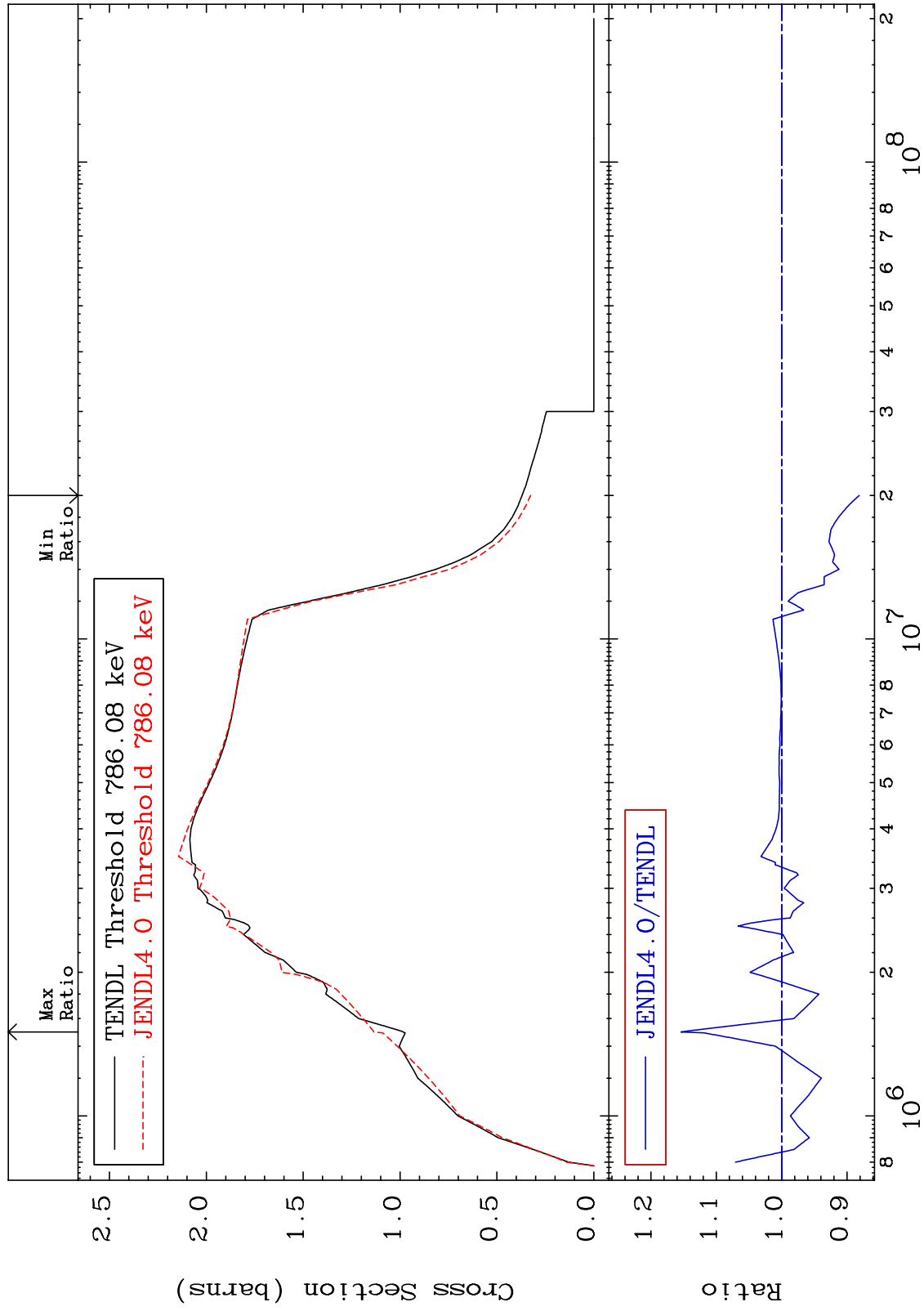
MAT 3637

Inelastic

<sup>36</sup>Kr-82

Cross Section

-11.88 To 15.40 %



Incident Energy (eV)

<sup>36</sup>Kr-82

3

MAT 3637

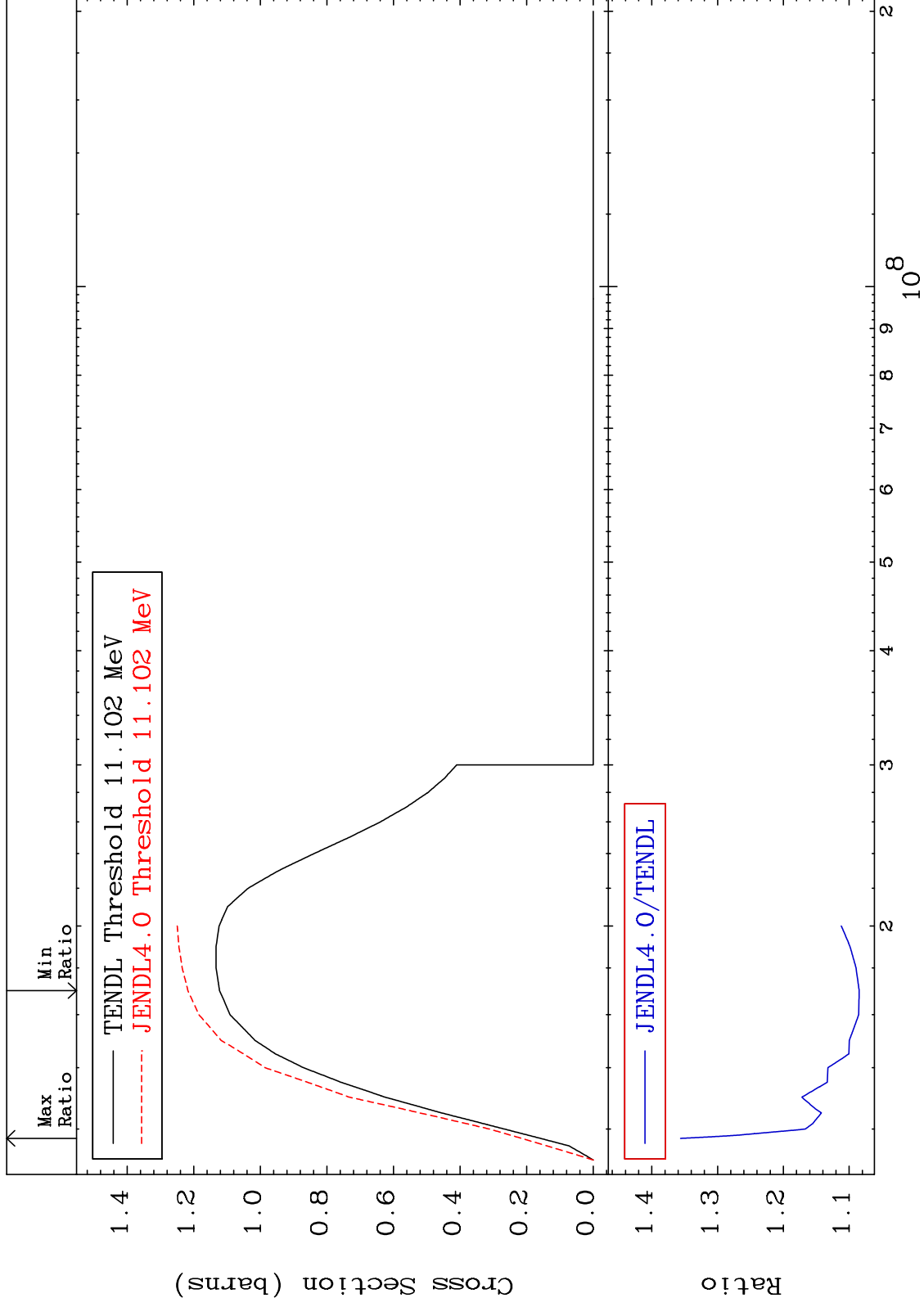
(n,2n)

36-Kr-82

Cross Section

8.481

To 35.62 %



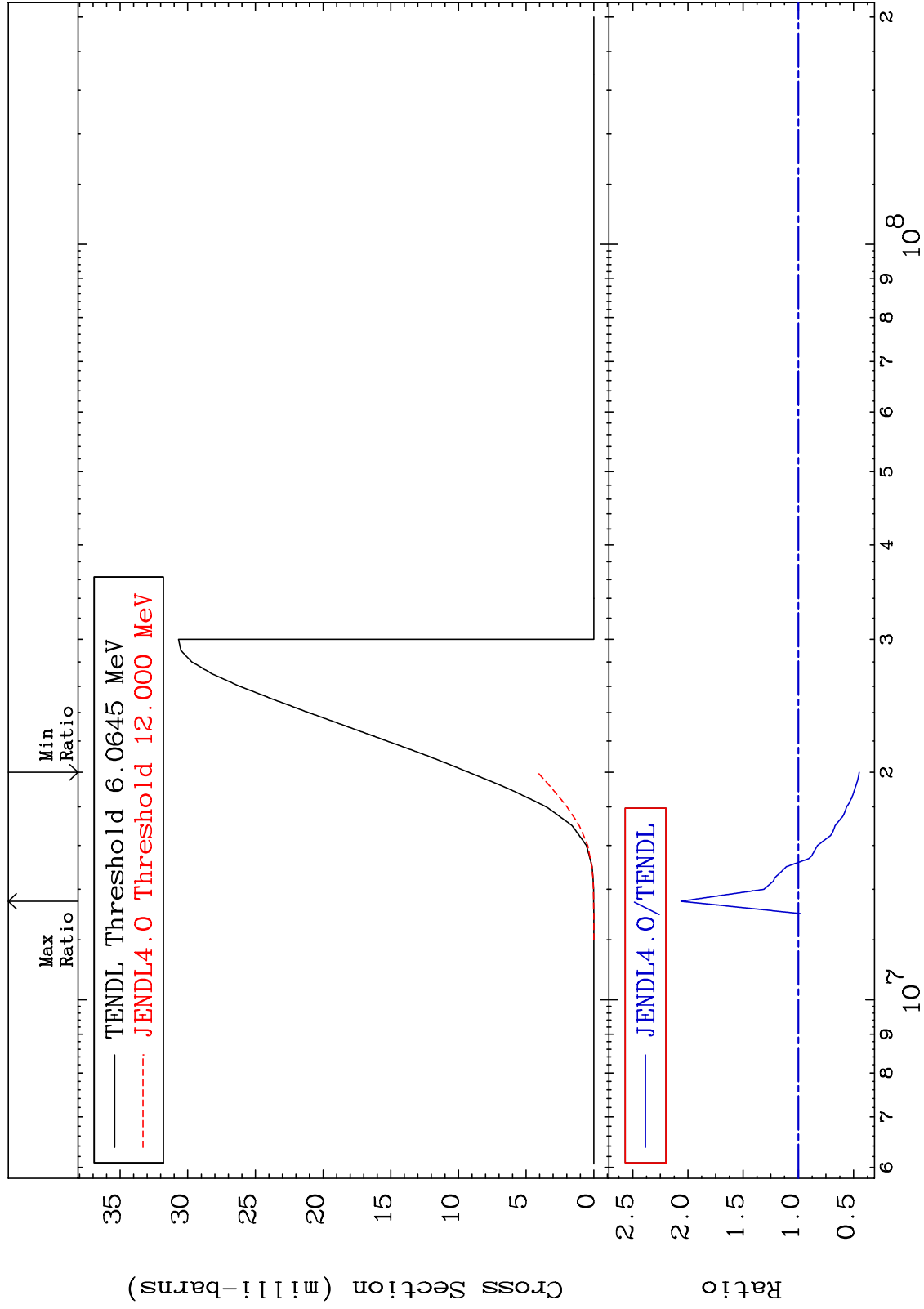
MAT 3637

(n, n')  $\alpha$

36-Kr-82

Cross Section

-55.14 To 106.2 %



5

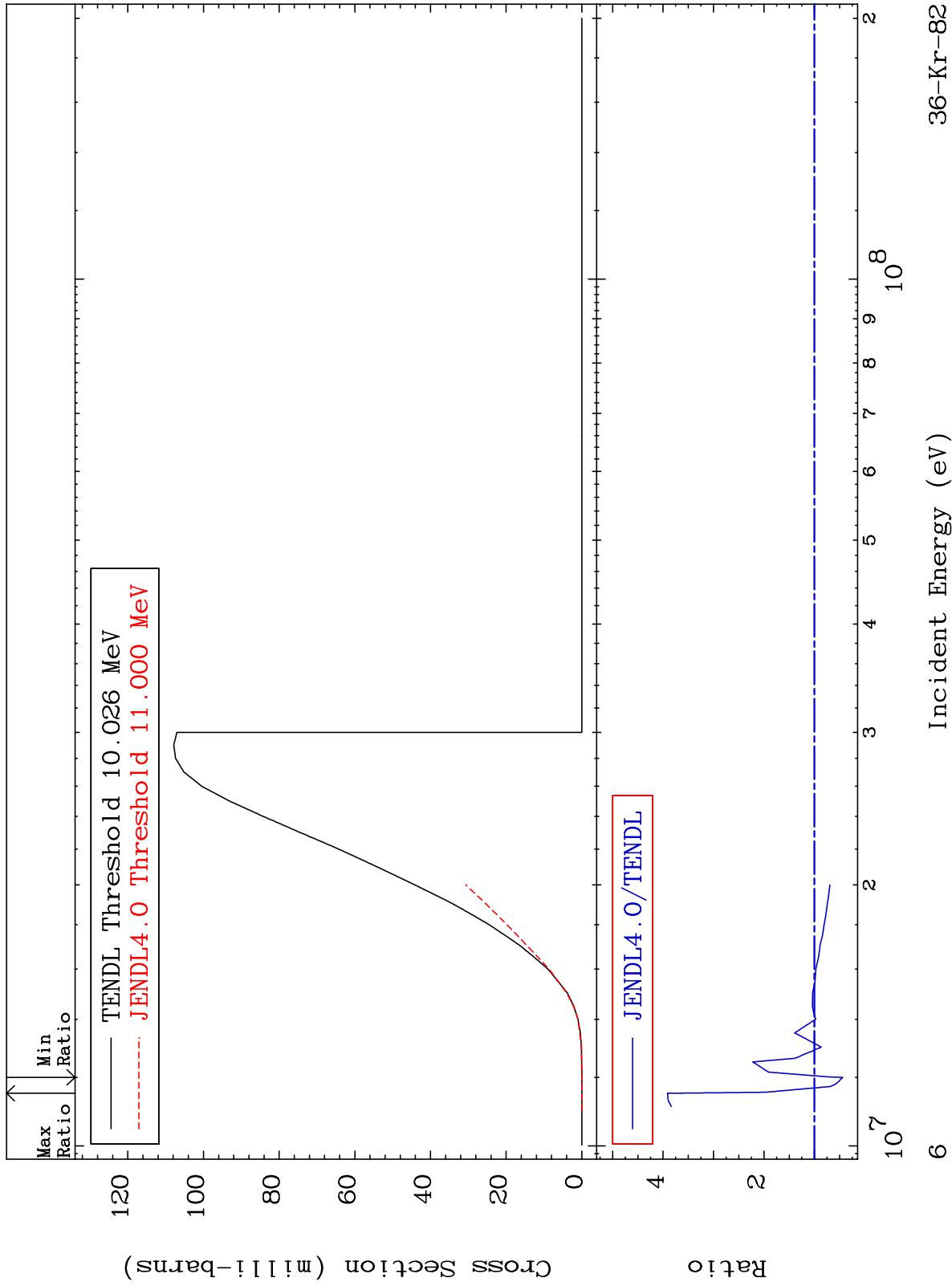
Incident Energy (eV)

36-Kr-82

MAT 3637

(n,n') p  
Cross Section

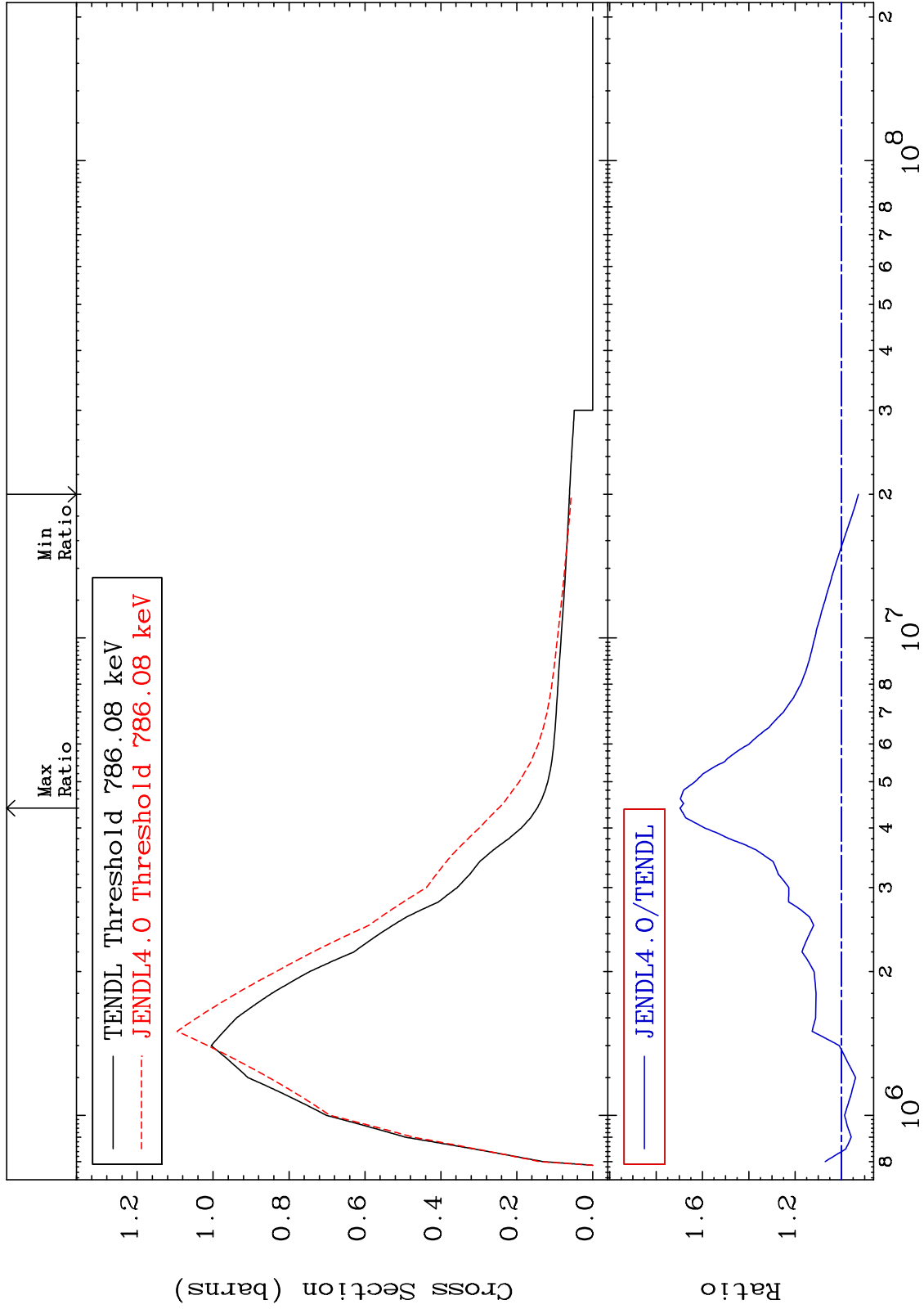
36-Kr-82  
-55.97 To 291.1 %



MAT 3637

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

36-Kr-82  
-7.306 To 69.67 %

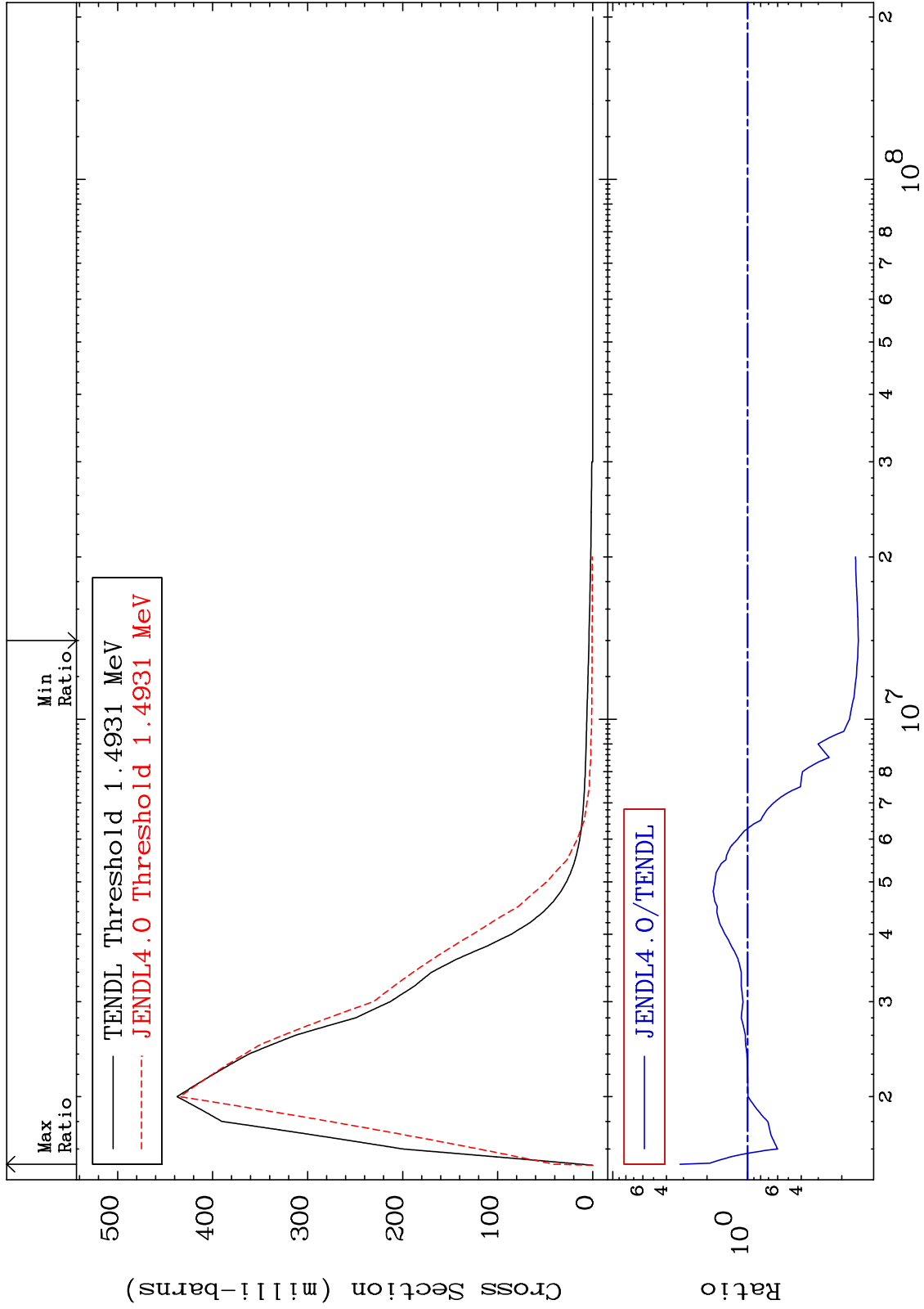




MAT 3637

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

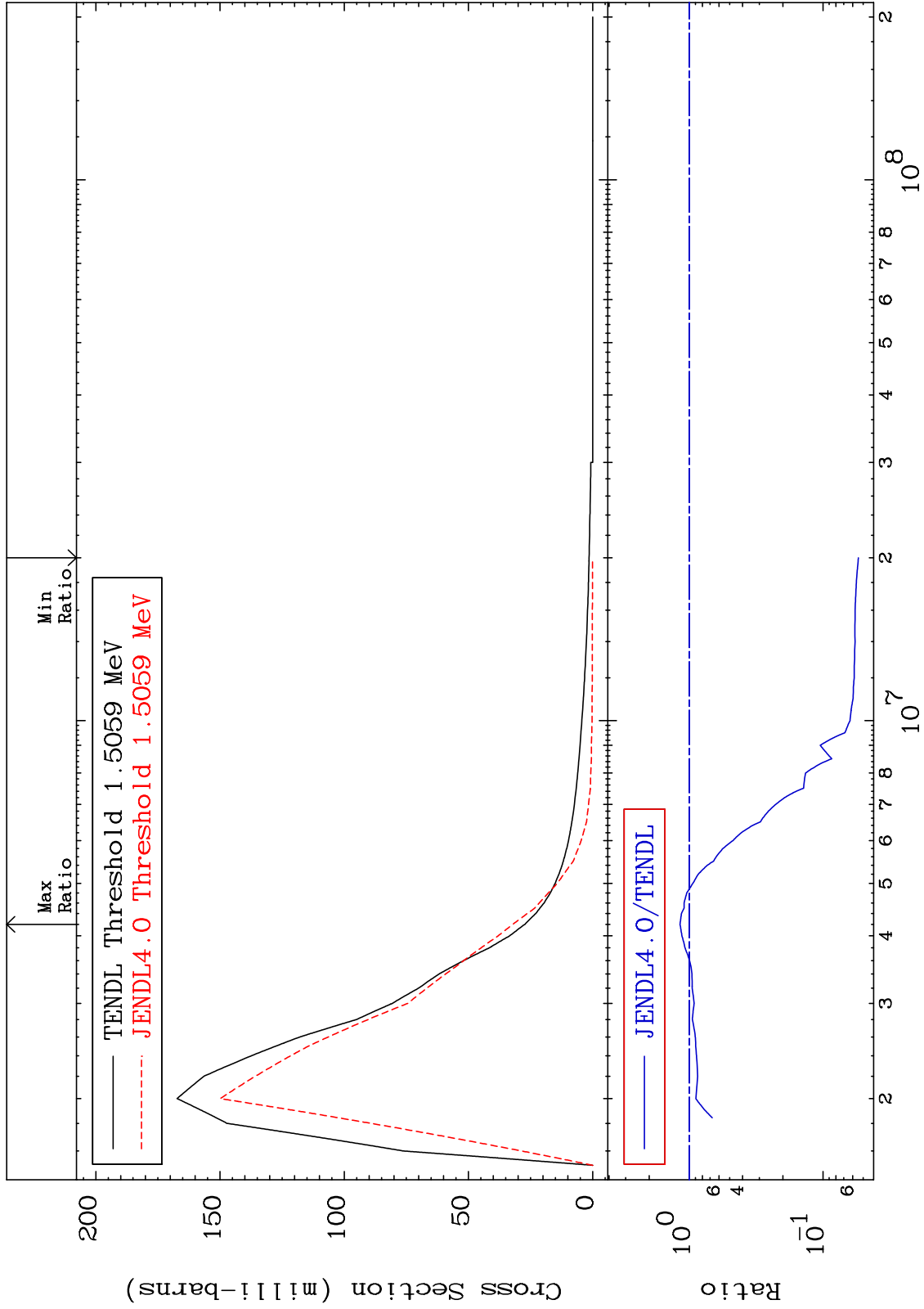
36-Kr-82  
-84.92 To 217.6 %



MAT 3637

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

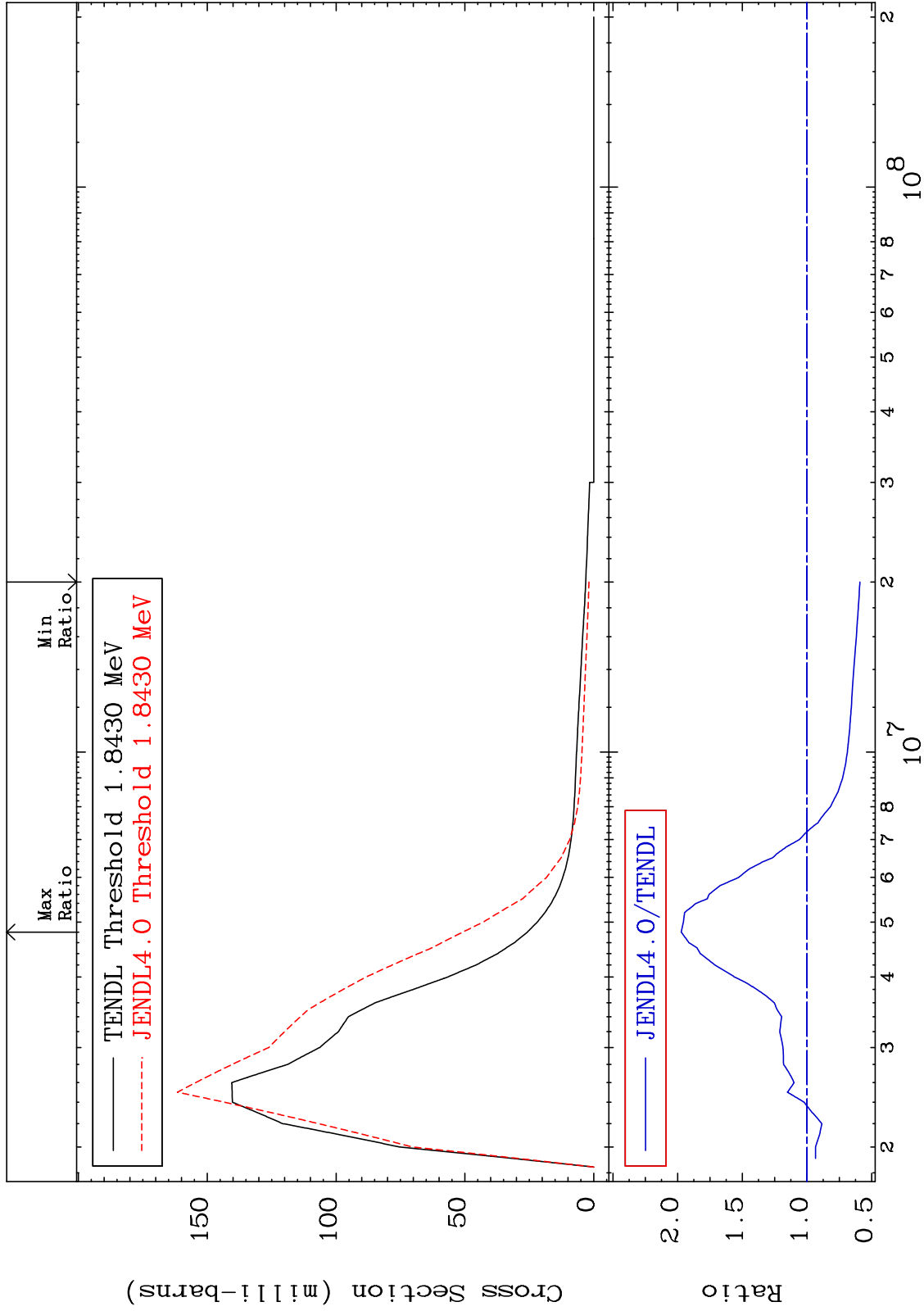
36-Kr-82  
-94.57 To 17.59 %



MAT 3637

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

36-Kr-82  
-40.88 To 97.23 %

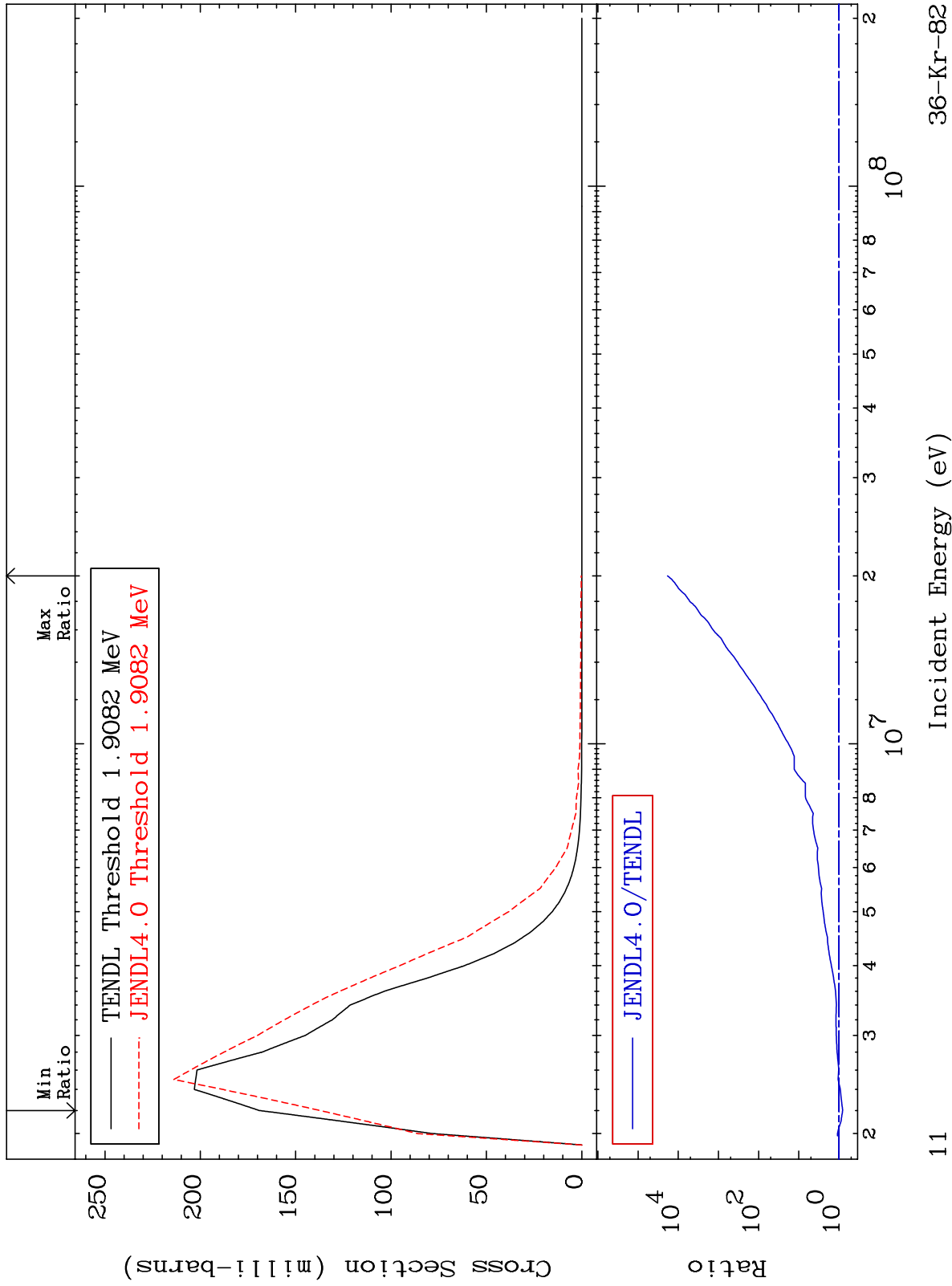


10

Incident Energy (eV)

36-Kr-82

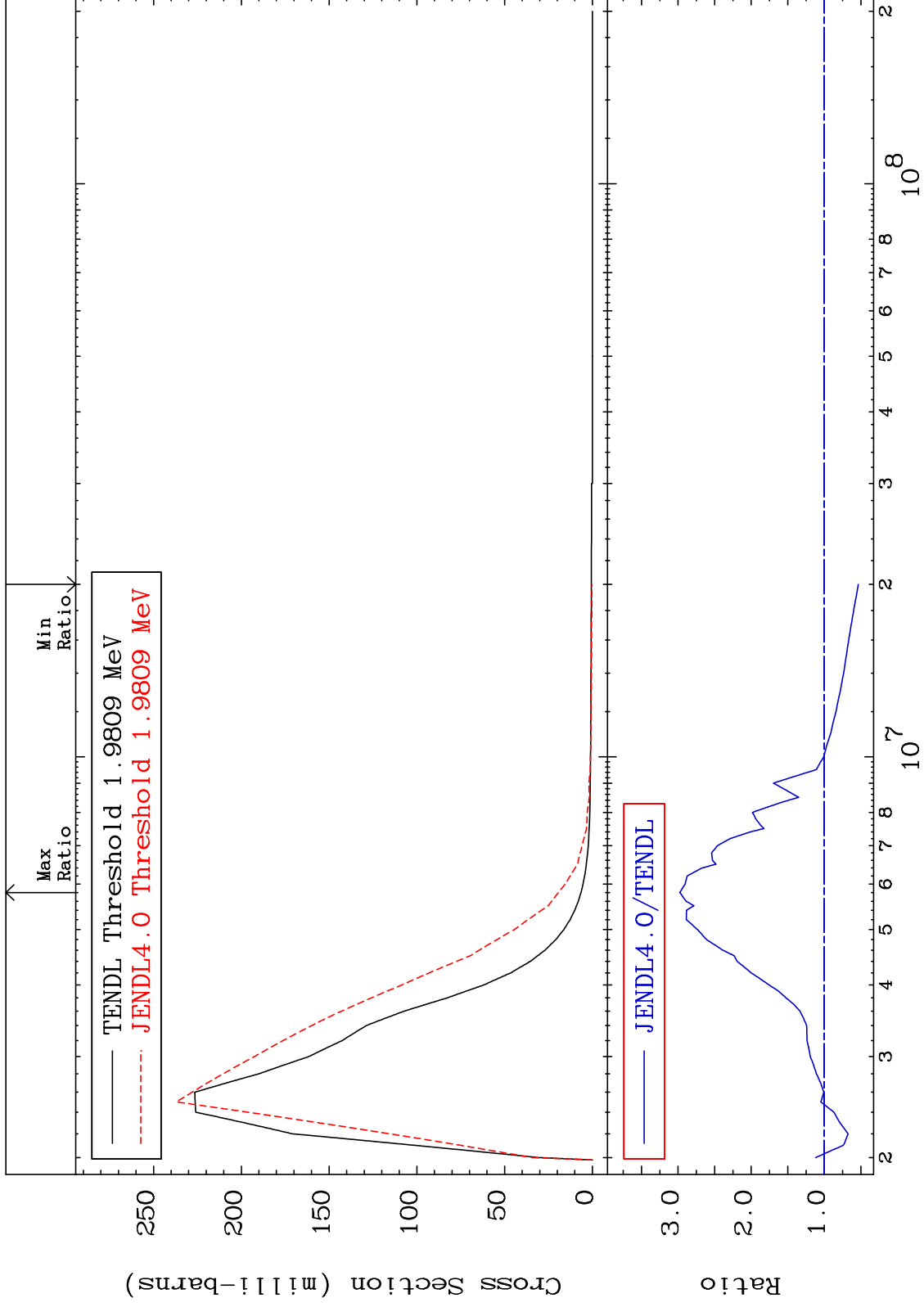
MAT 3637      MT= 55 (n,n') Level Cross Section      36-Kr-82  
 -18.82 To 9999. %



MAT 3637

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

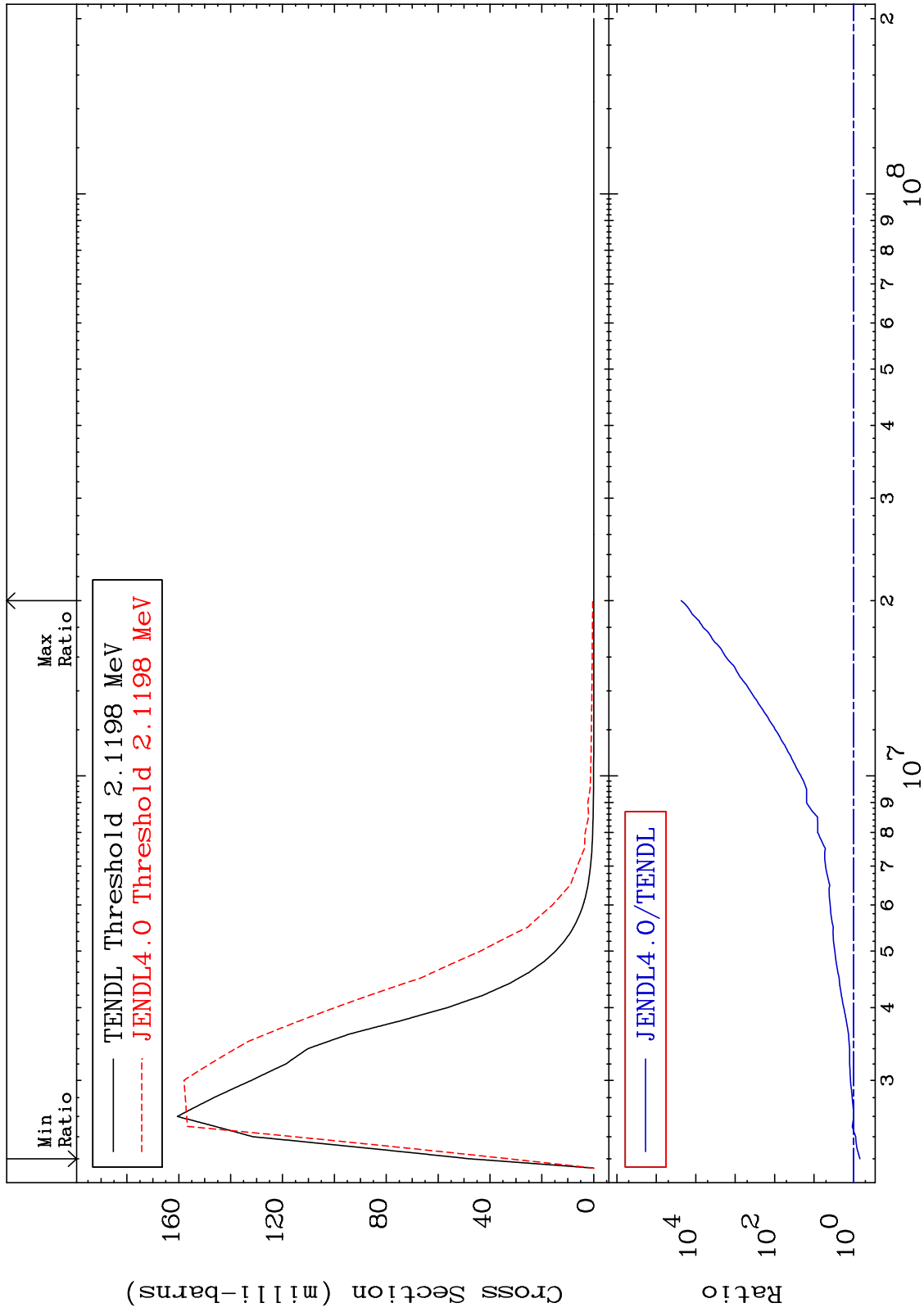
36-Kr-82  
-46.54 To 197.6 %



MAT 3637

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

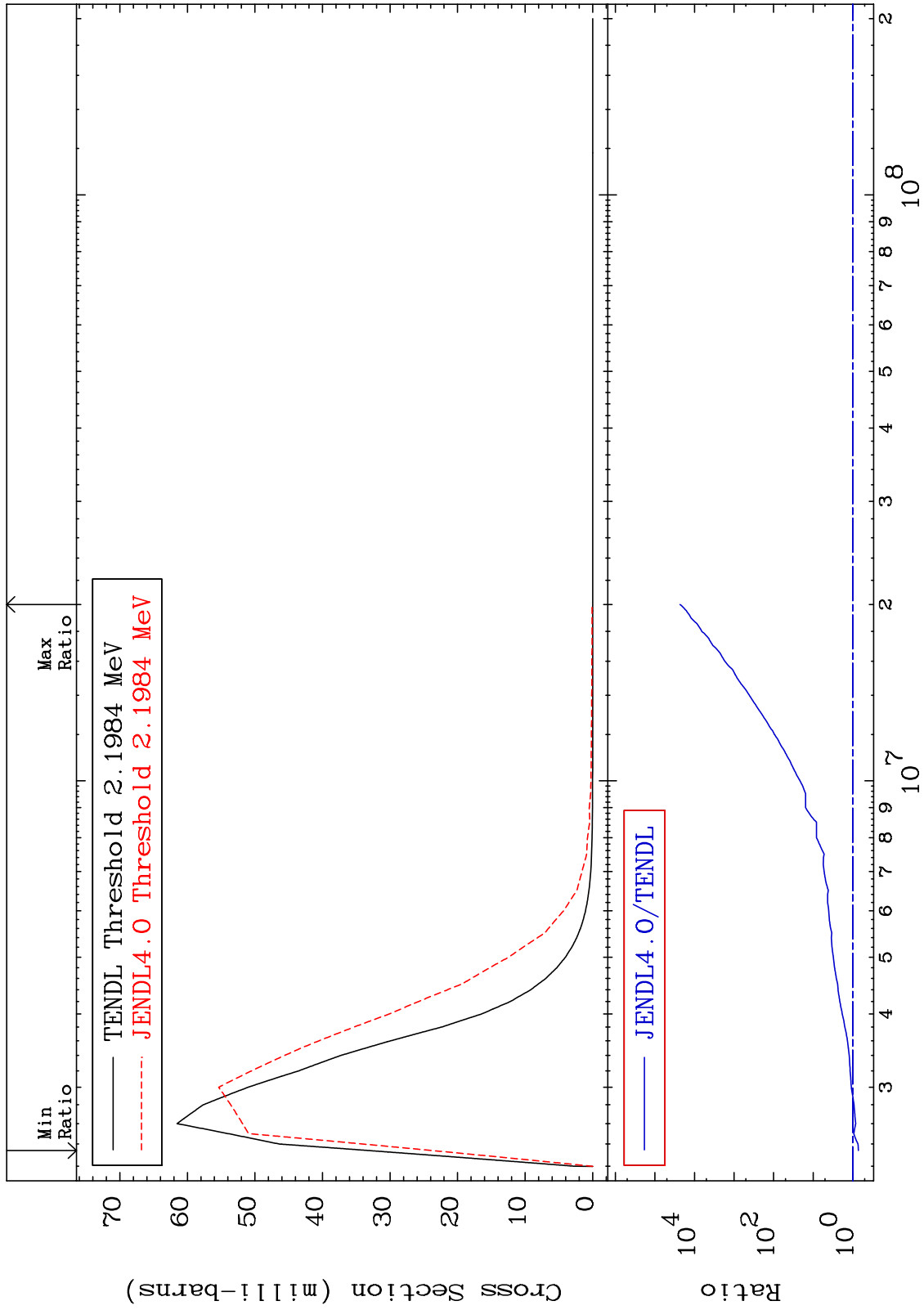
36-Kr-82  
-31.42 To 9999. %



MAT 3637

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

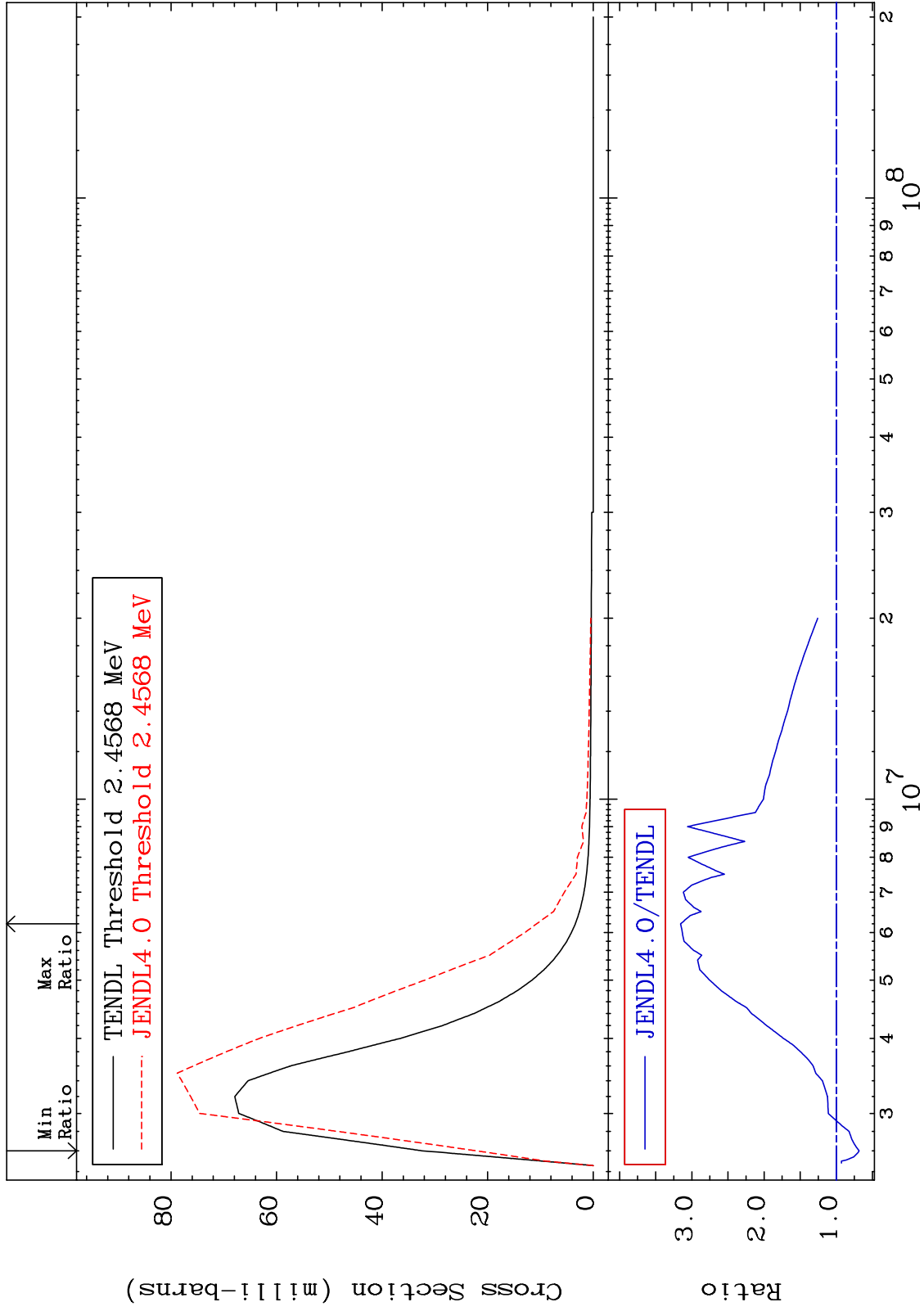
36-Kr-82  
-28.32 To 9999. %



MAT 3637

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

36-Kr-82  
-31.59 To 215.5 %



15

Incident Energy (eV)

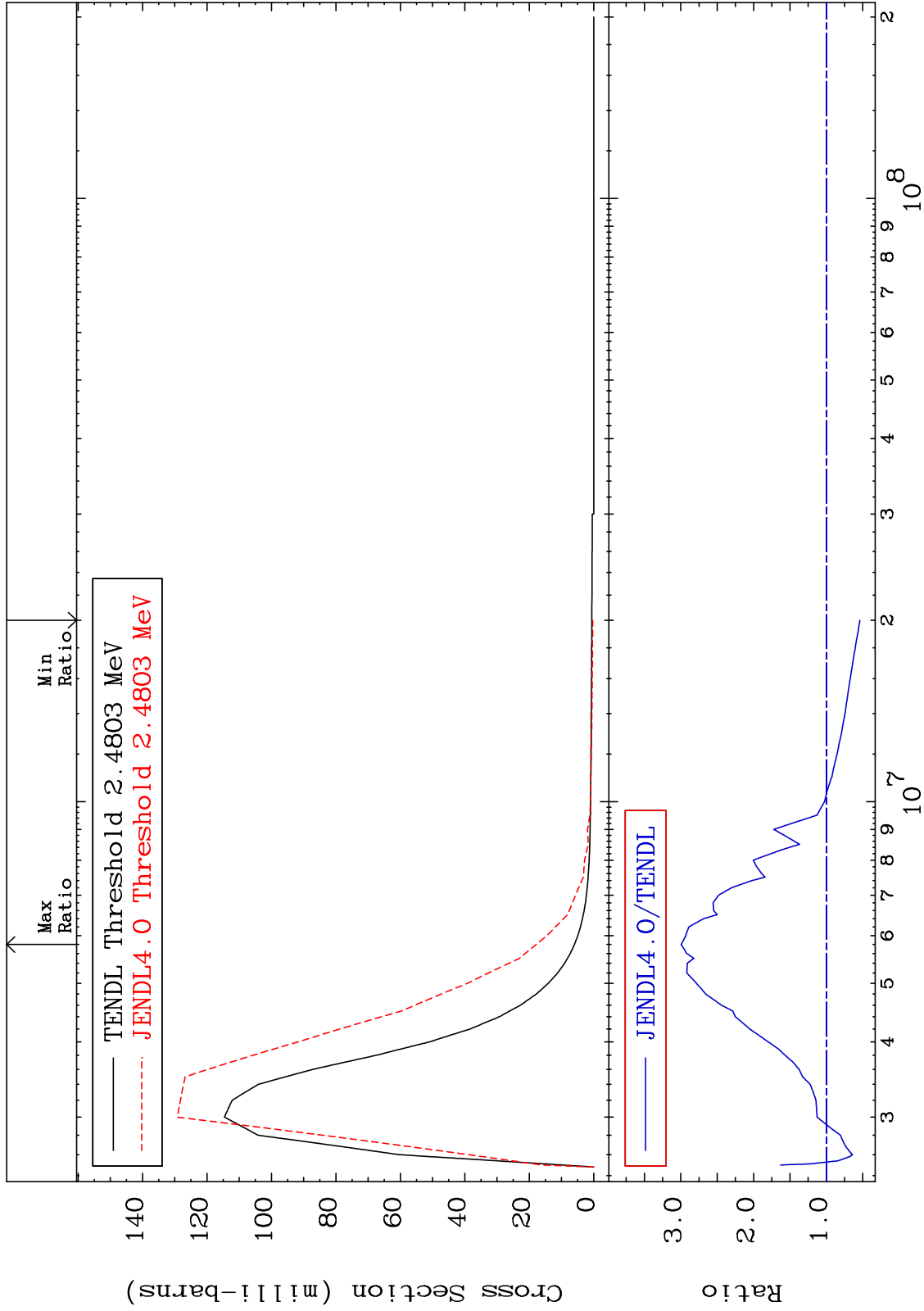
36-Kr-82



MAT 3637

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

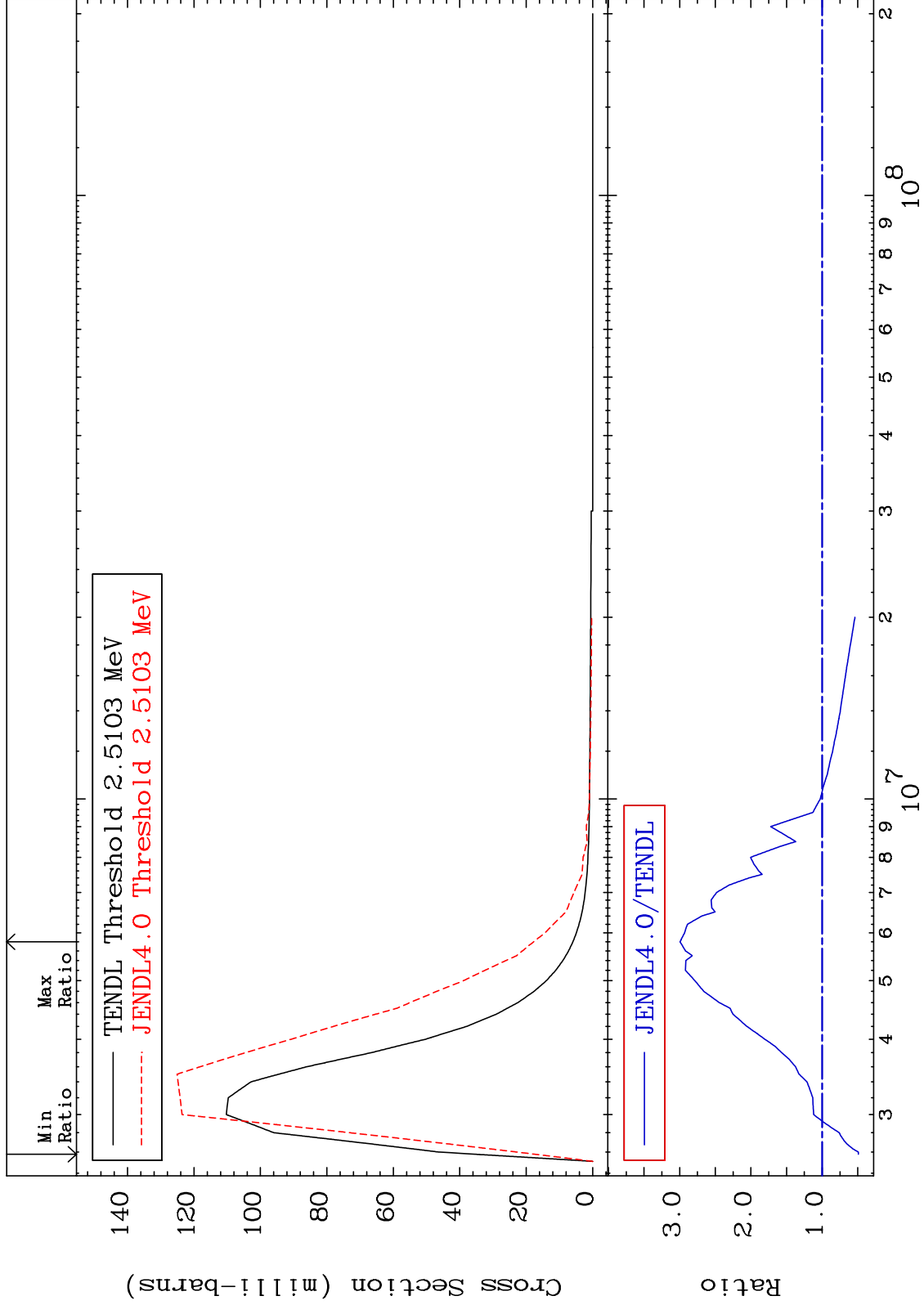
36-Kr-82  
-46.05 To 199.4 %



MAT 3637

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

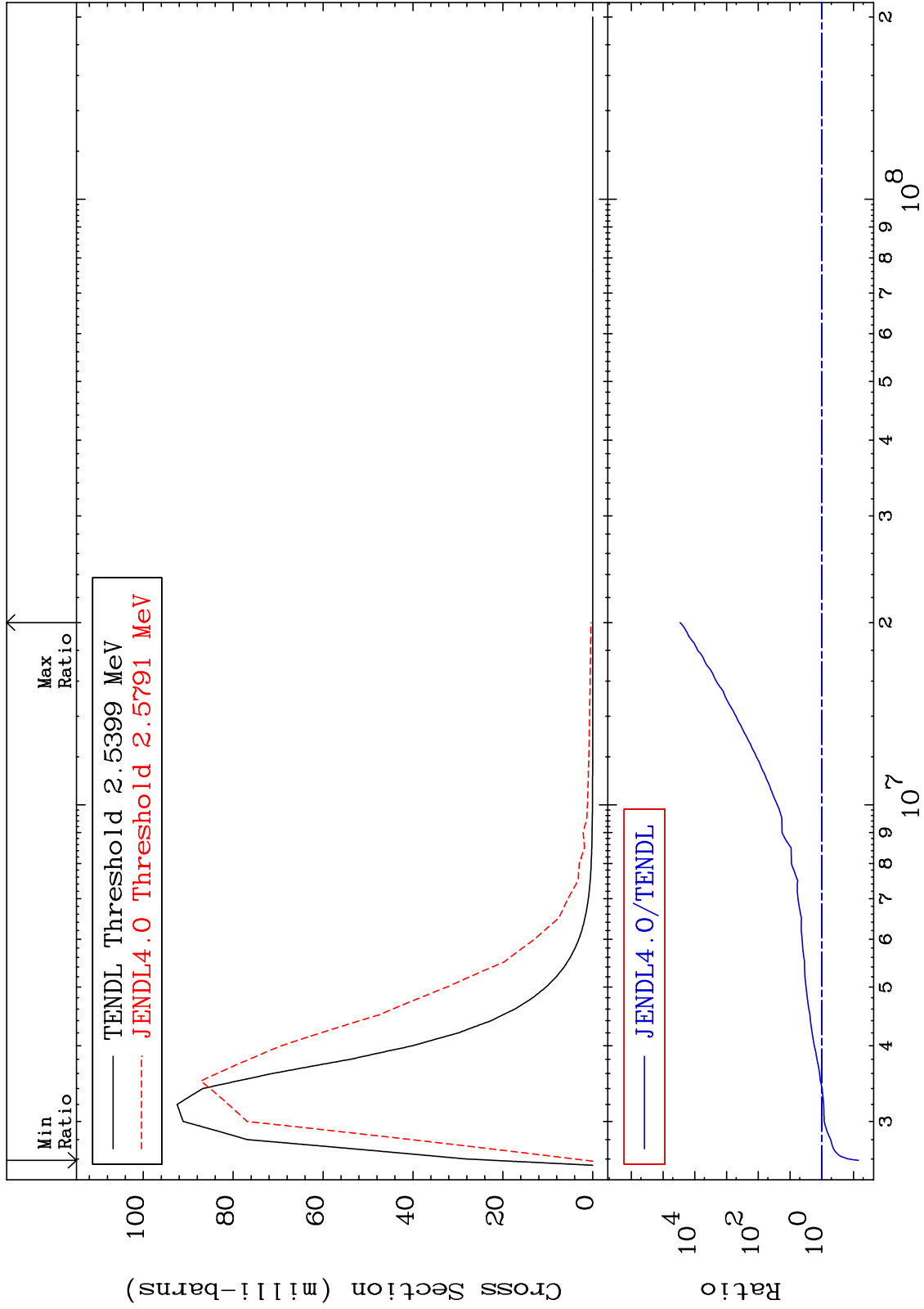
36-Kr-82  
-50.85 To 199.5 %



MAT 3637

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

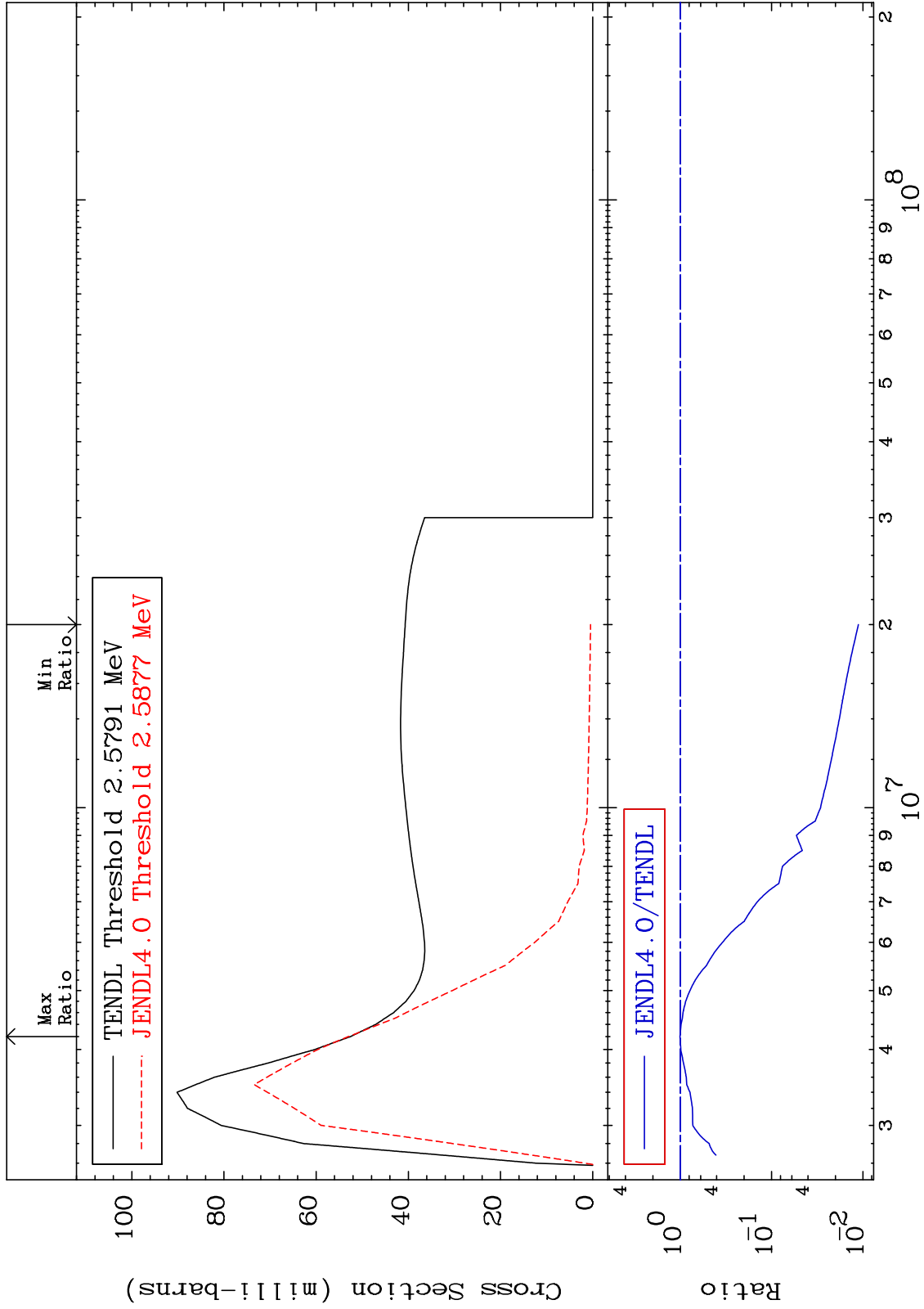
36-Kr-82  
-92.96 To 9999. %



MAT 3637

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

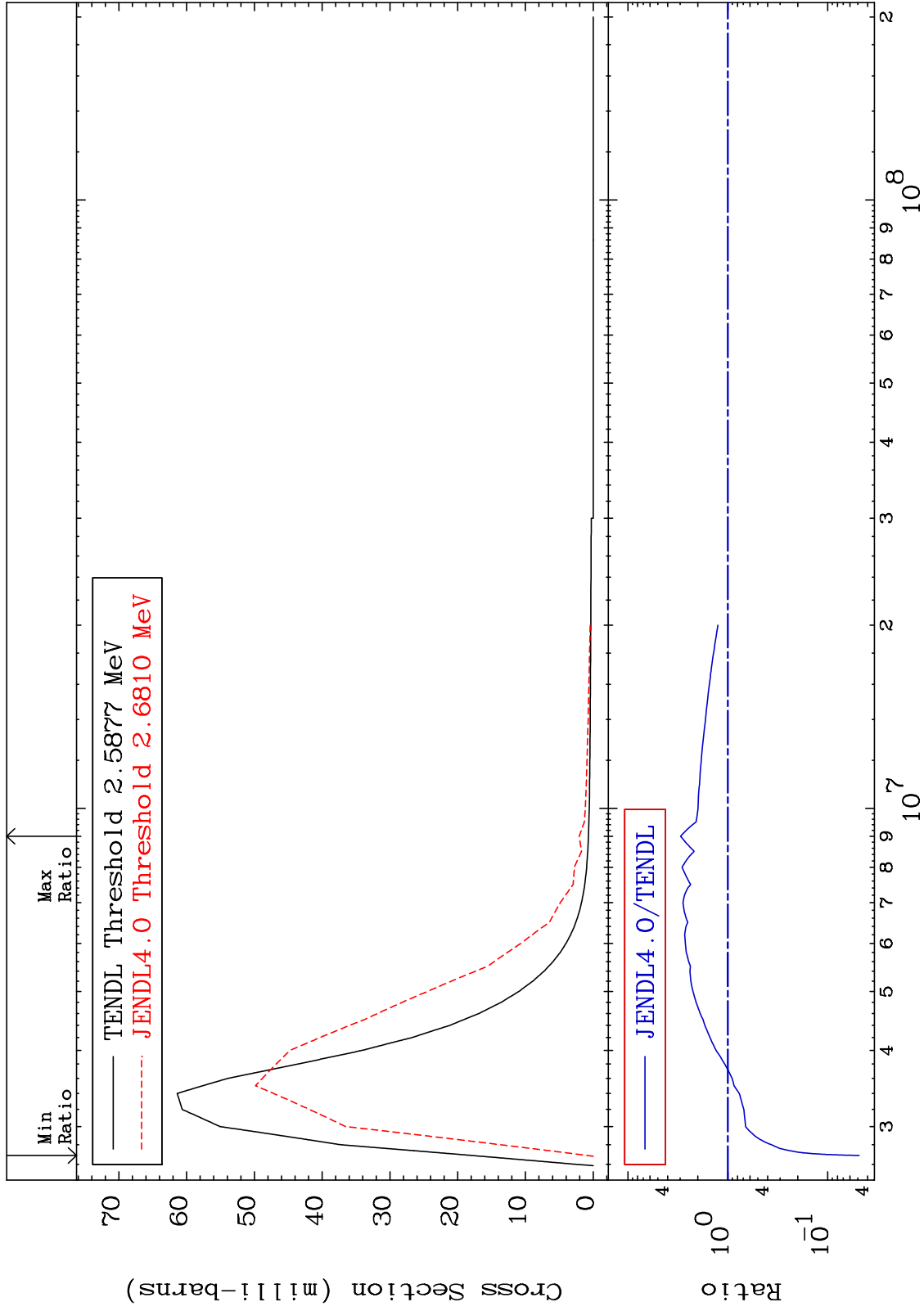
36-Kr-82  
-98.88 To 0.841 %



MAT 3637

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

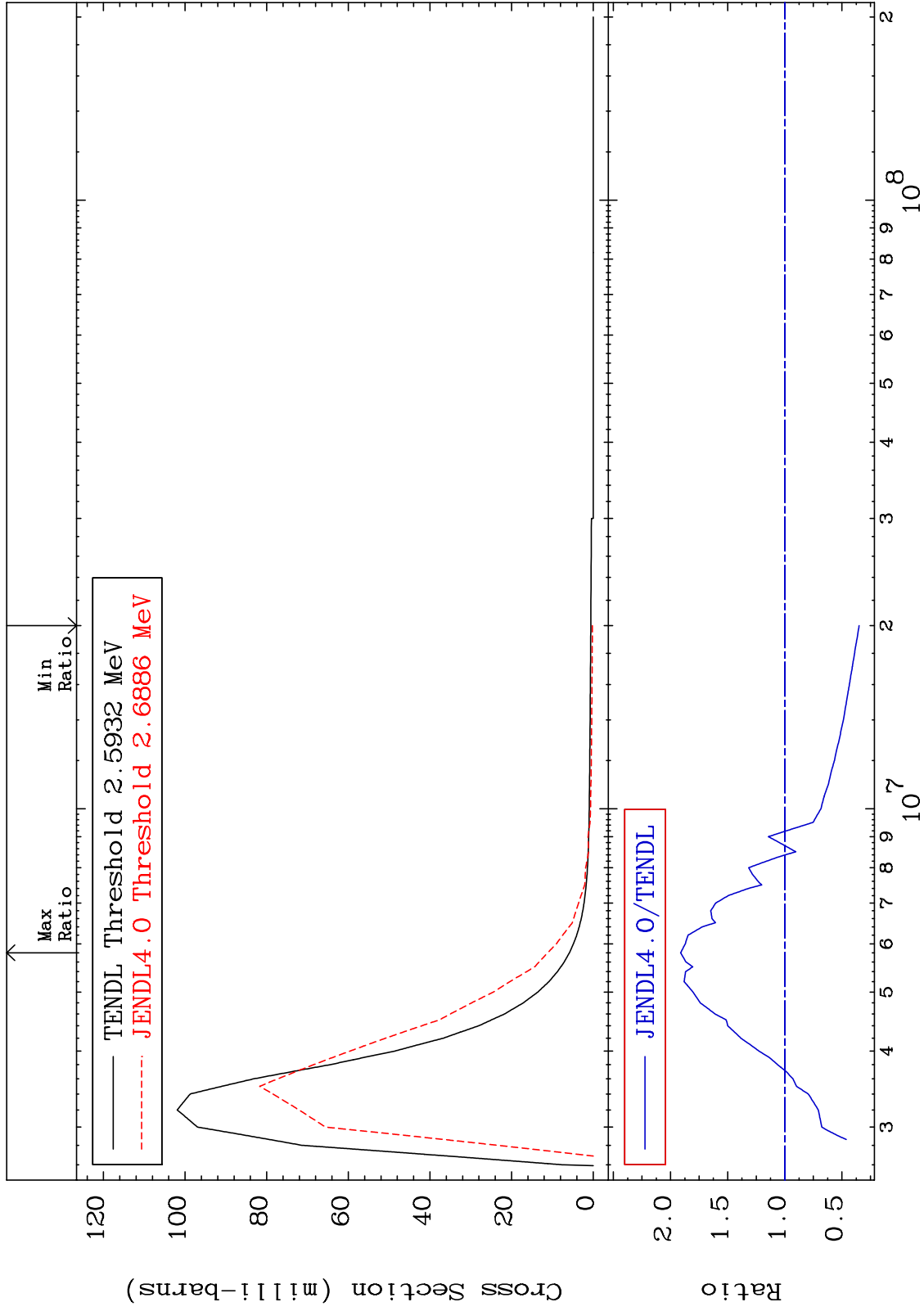
36-Kr-82  
-95.15 To 196.5 %



MAT 3637

MT= 65 (n,n') Level  
Cross Section

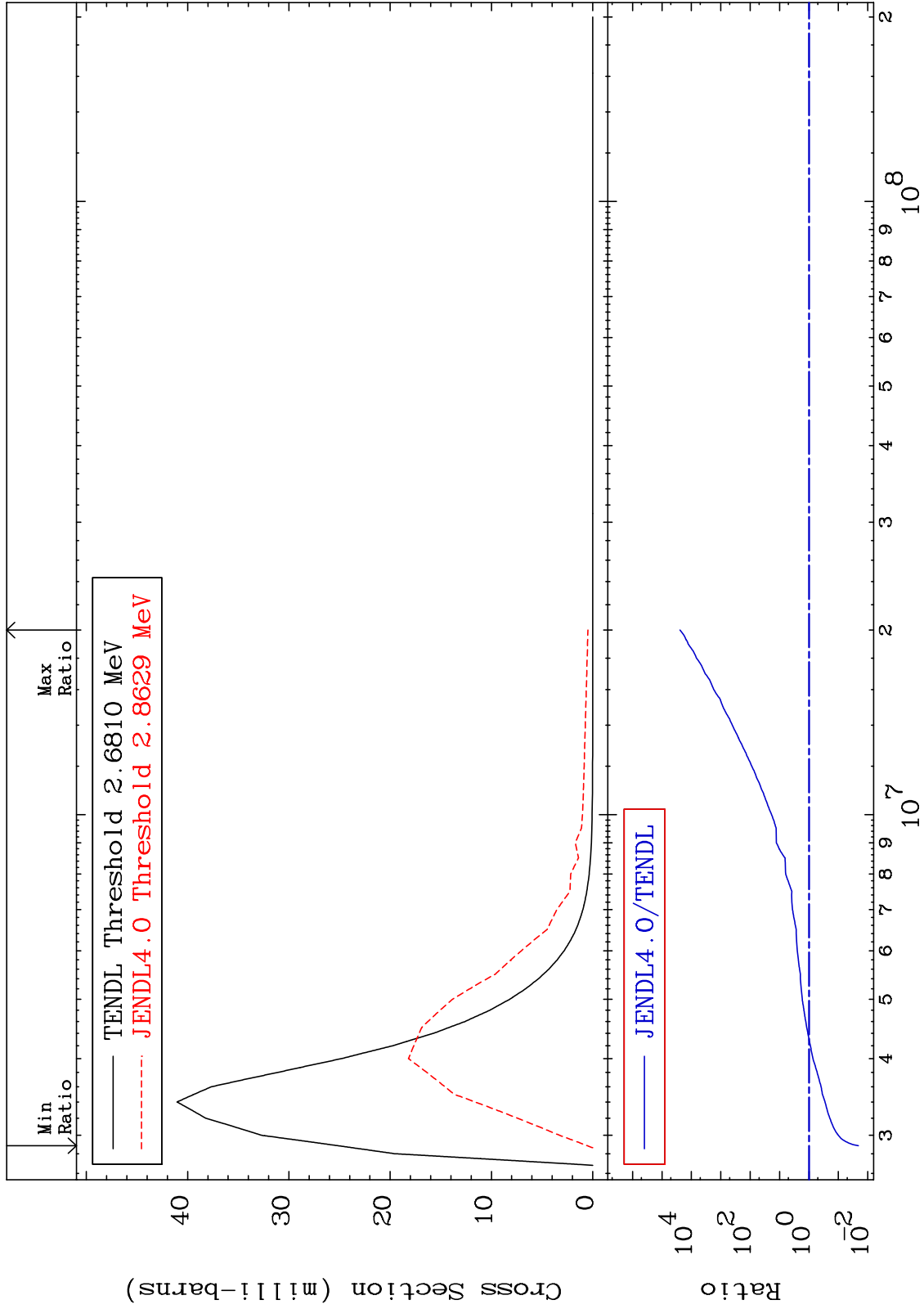
36-Kr-82  
-65.08 To 91.18 %



MAT 3637

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

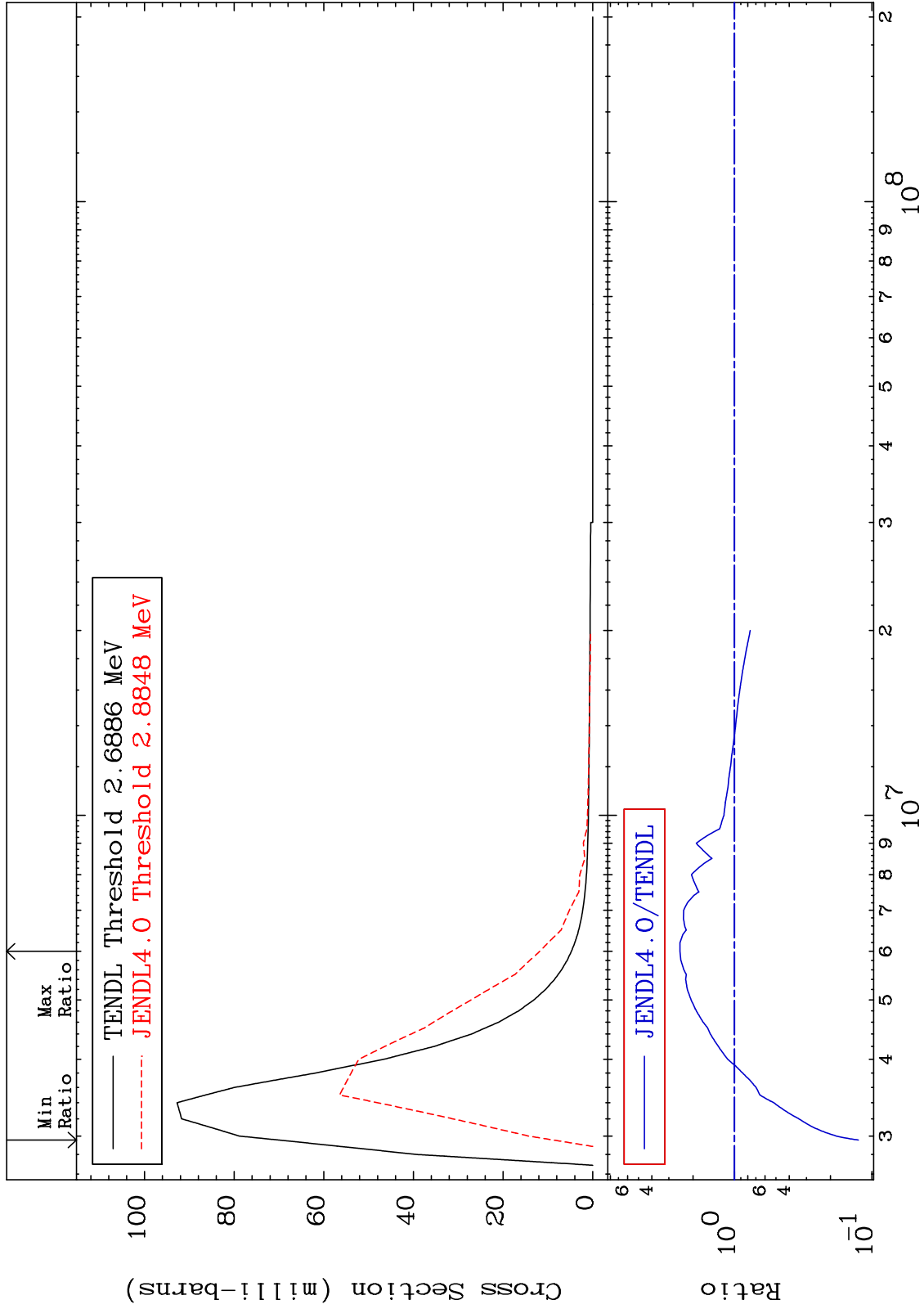
36-Kr-82  
-97.92 To 9999. %



MAT 3637

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

36-Kr-82  
-87.46 To 149.1 %

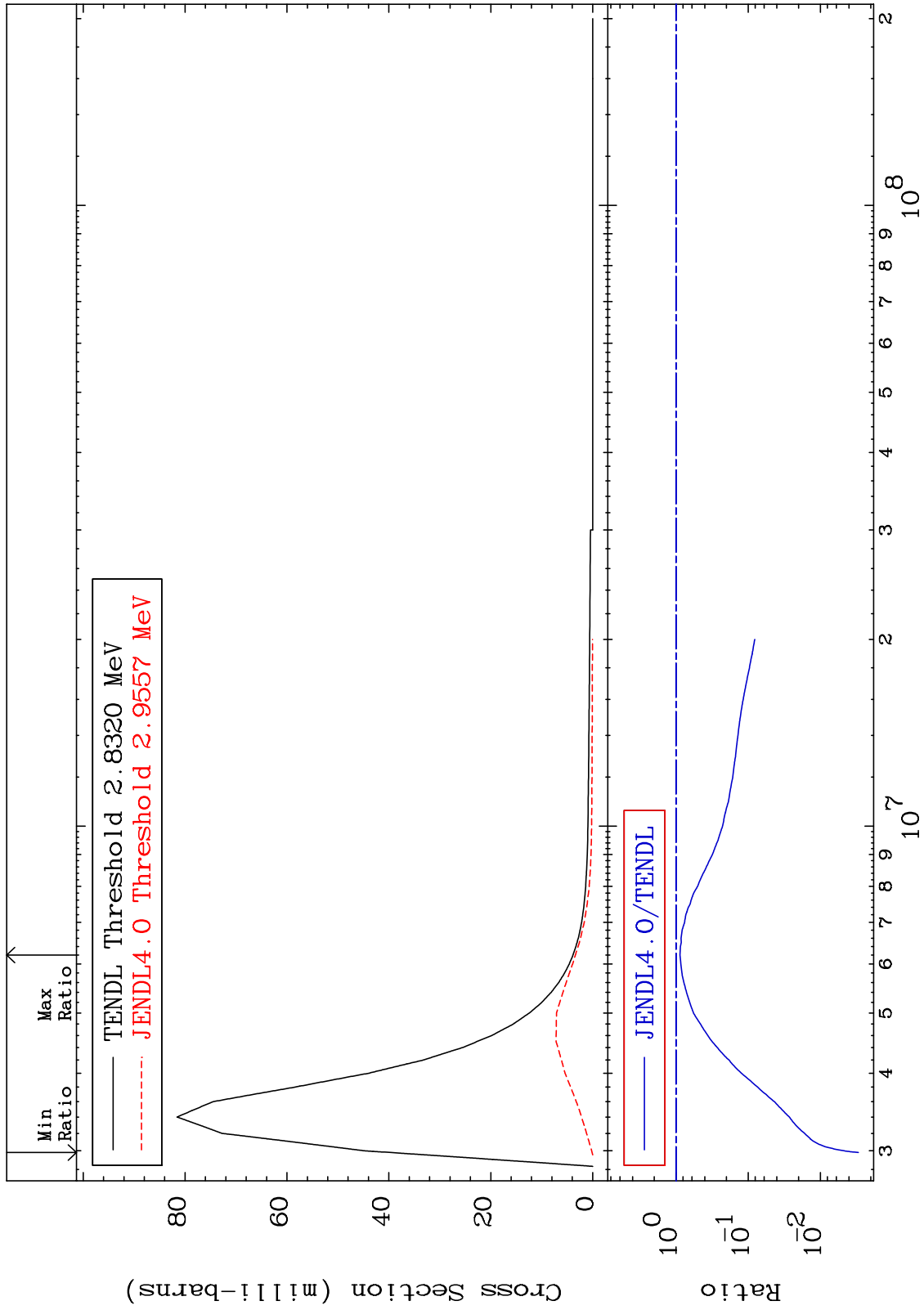




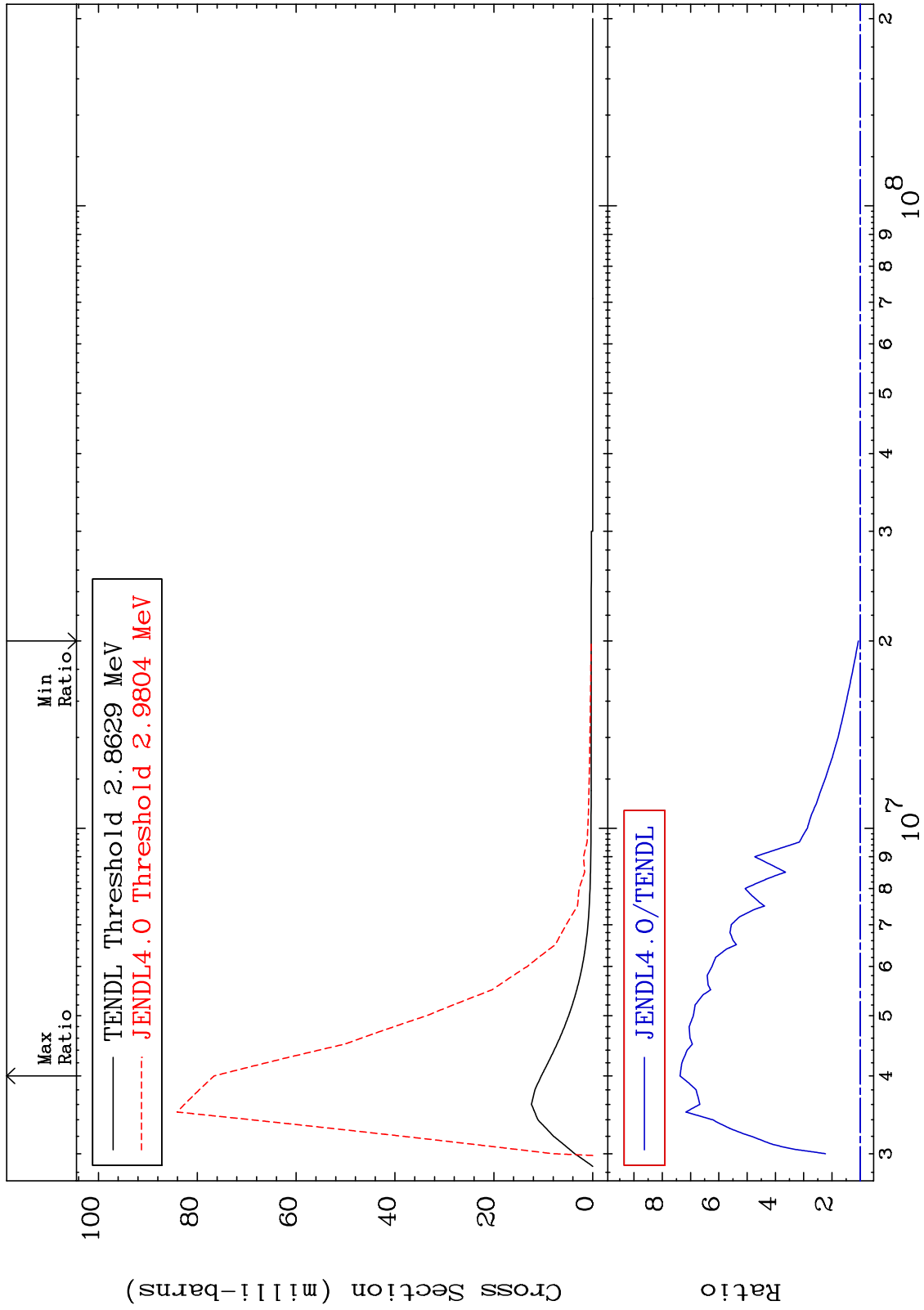
MAT 3637

MT= 68 (n,n') Level  
Cross Section

36-Kr-82  
-99.70 To -11.98%



MAT 3637 MT= 69 (n,n') Level Cross Section 36-Kr-82  
 6.430 To 637.2 %



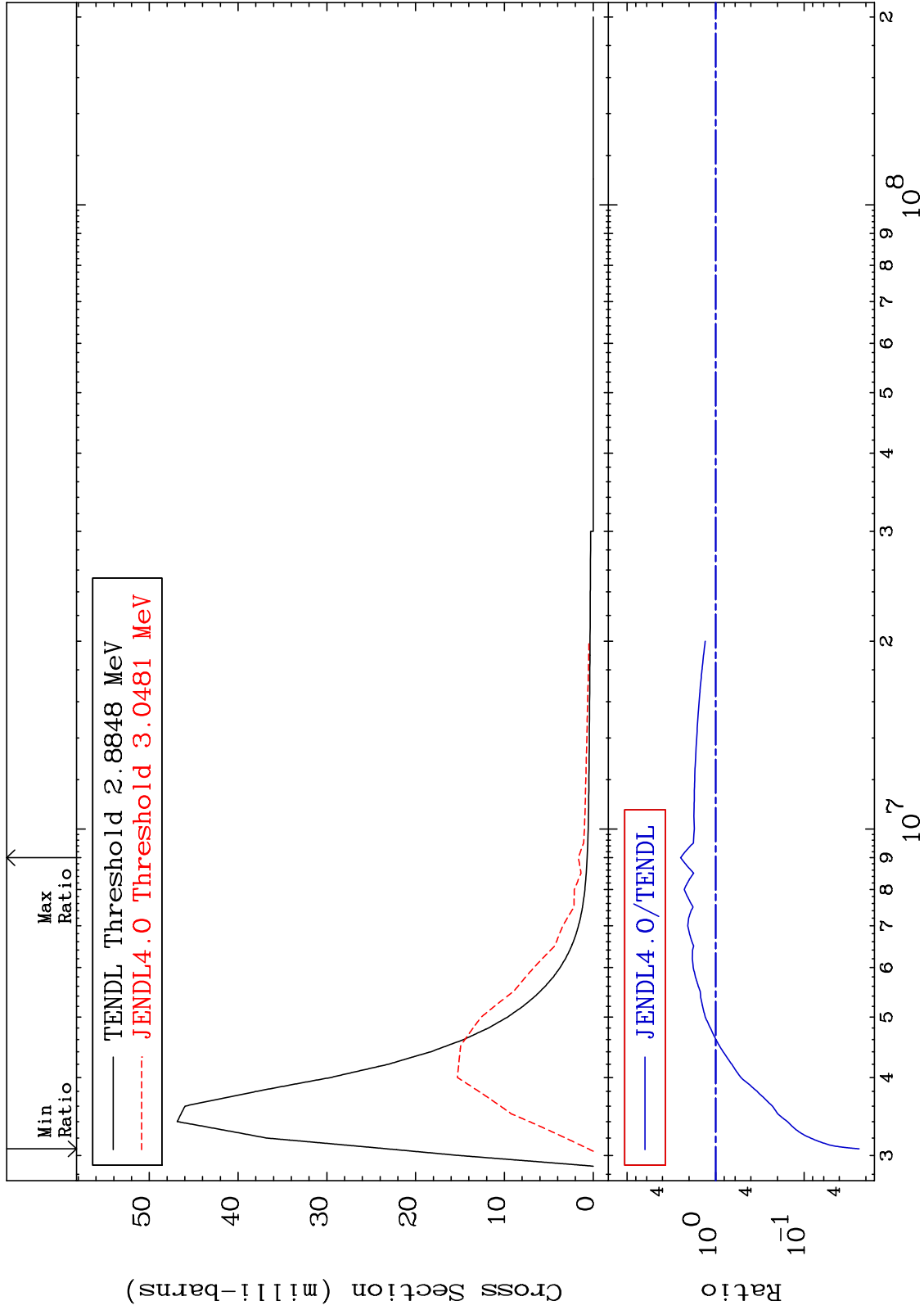
36-Kr-82

Incident Energy (eV)

MAT 3637

MT= 70 (n,n') Level  
Cross Section

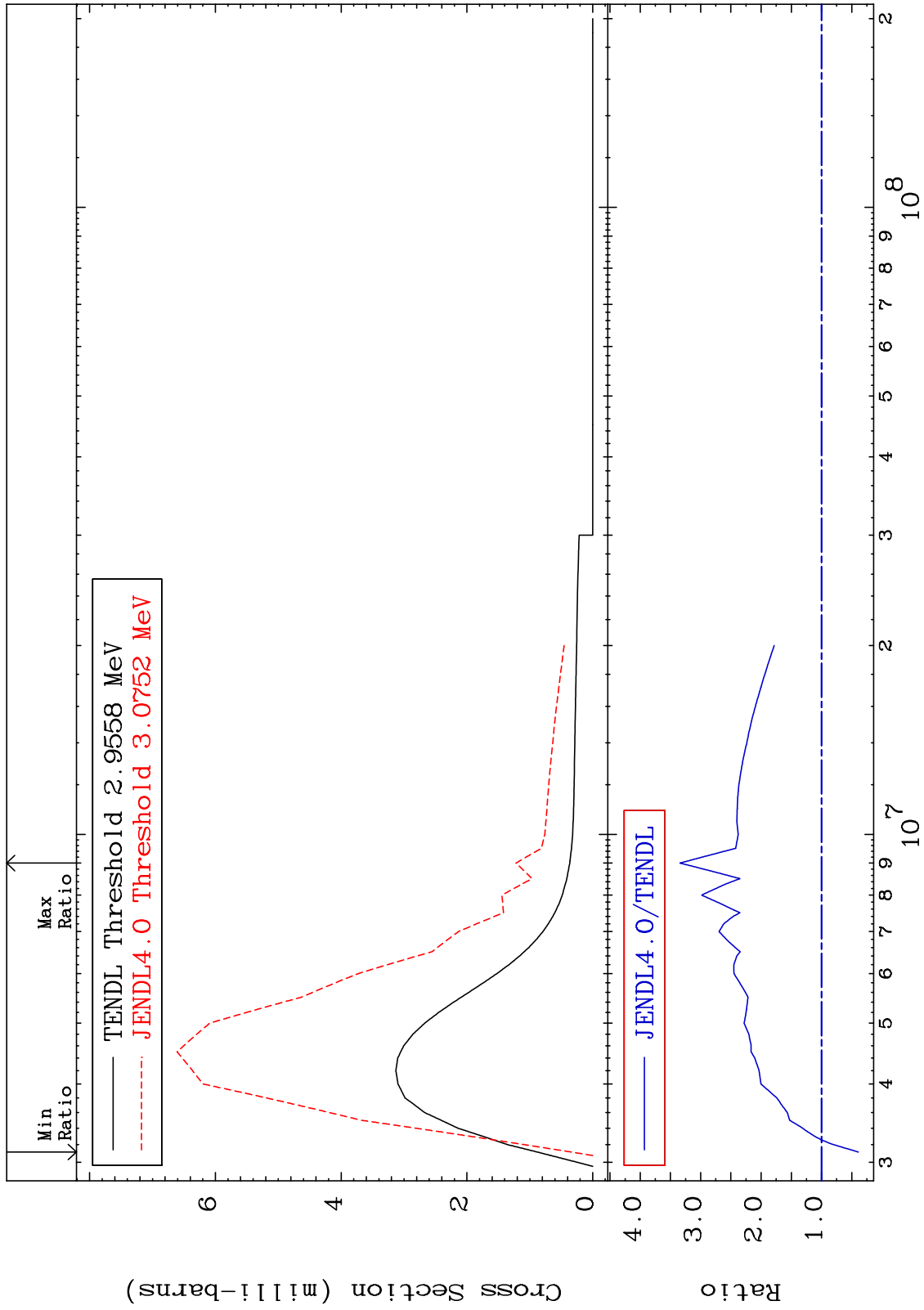
36-Kr-82  
-97.62 To 148.7 %



MAT 3637

MT= 71 (n,n') Level  
Cross Section

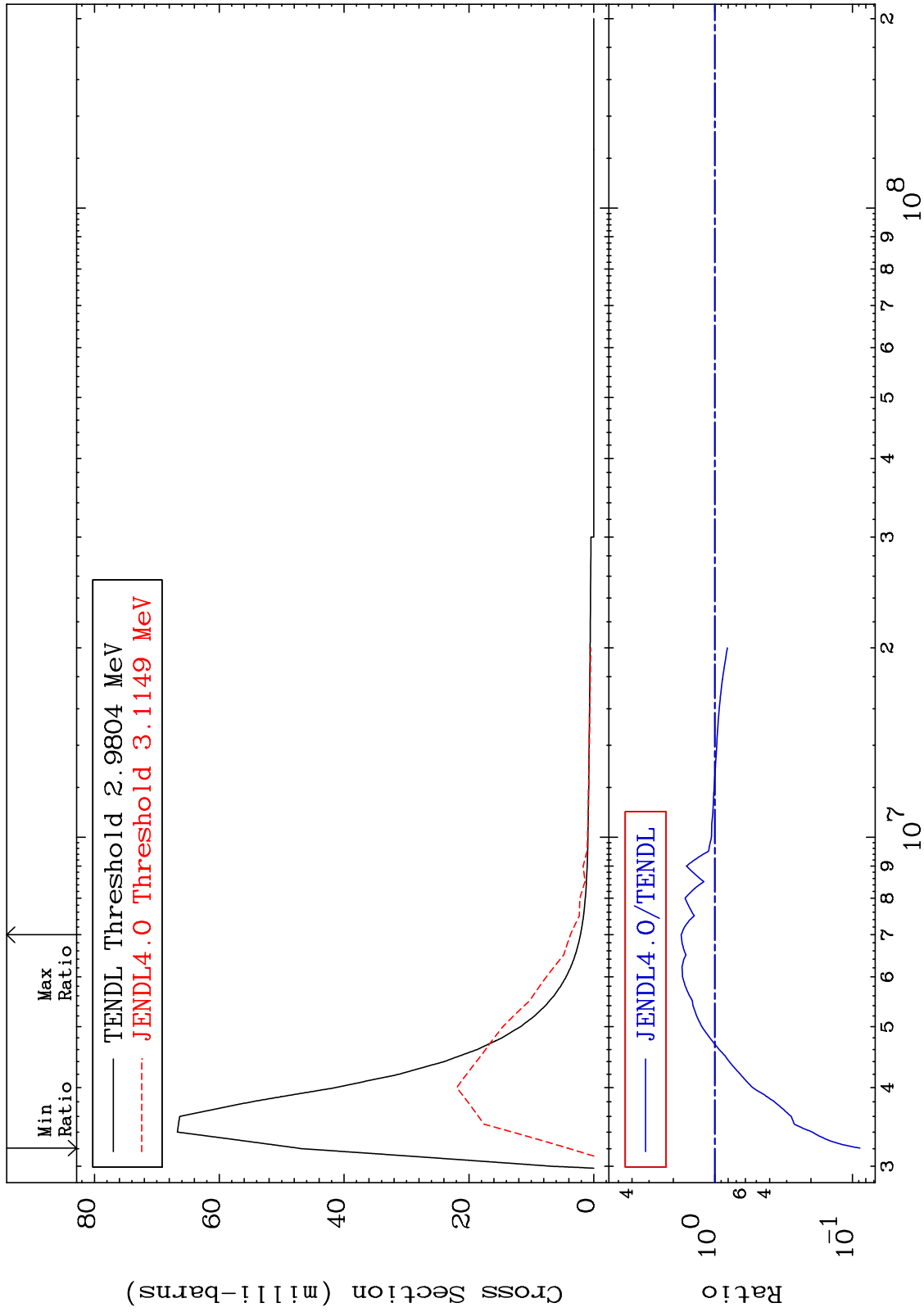
36-Kr-82  
-61.05 To 234.1 %



MAT 3637

MT= 72 (n,n') Level  
Cross Section

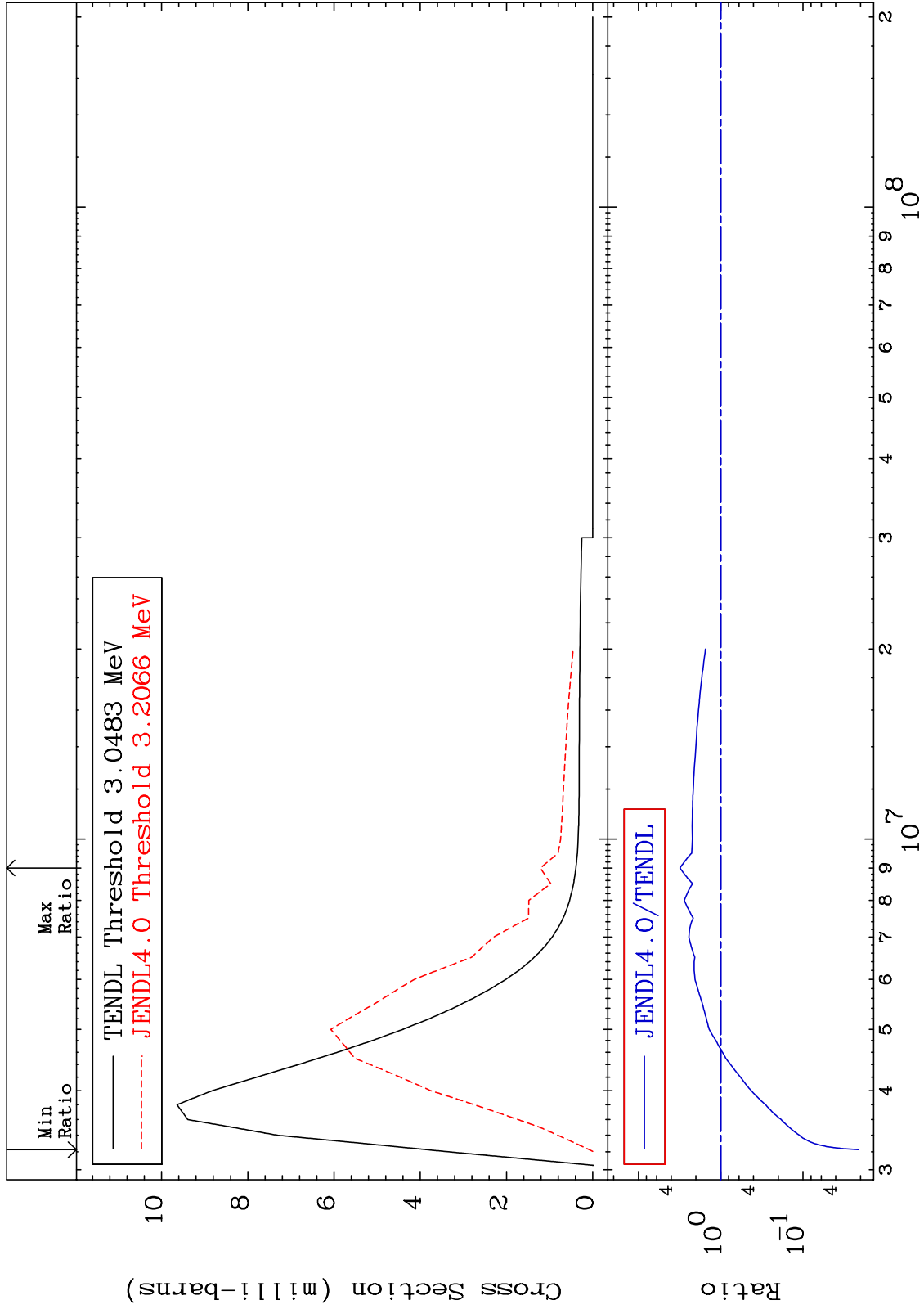
36-Kr-82  
-91.17 To 75.30 %



MAT 3637

MT= 73 (n,n') Level  
Cross Section

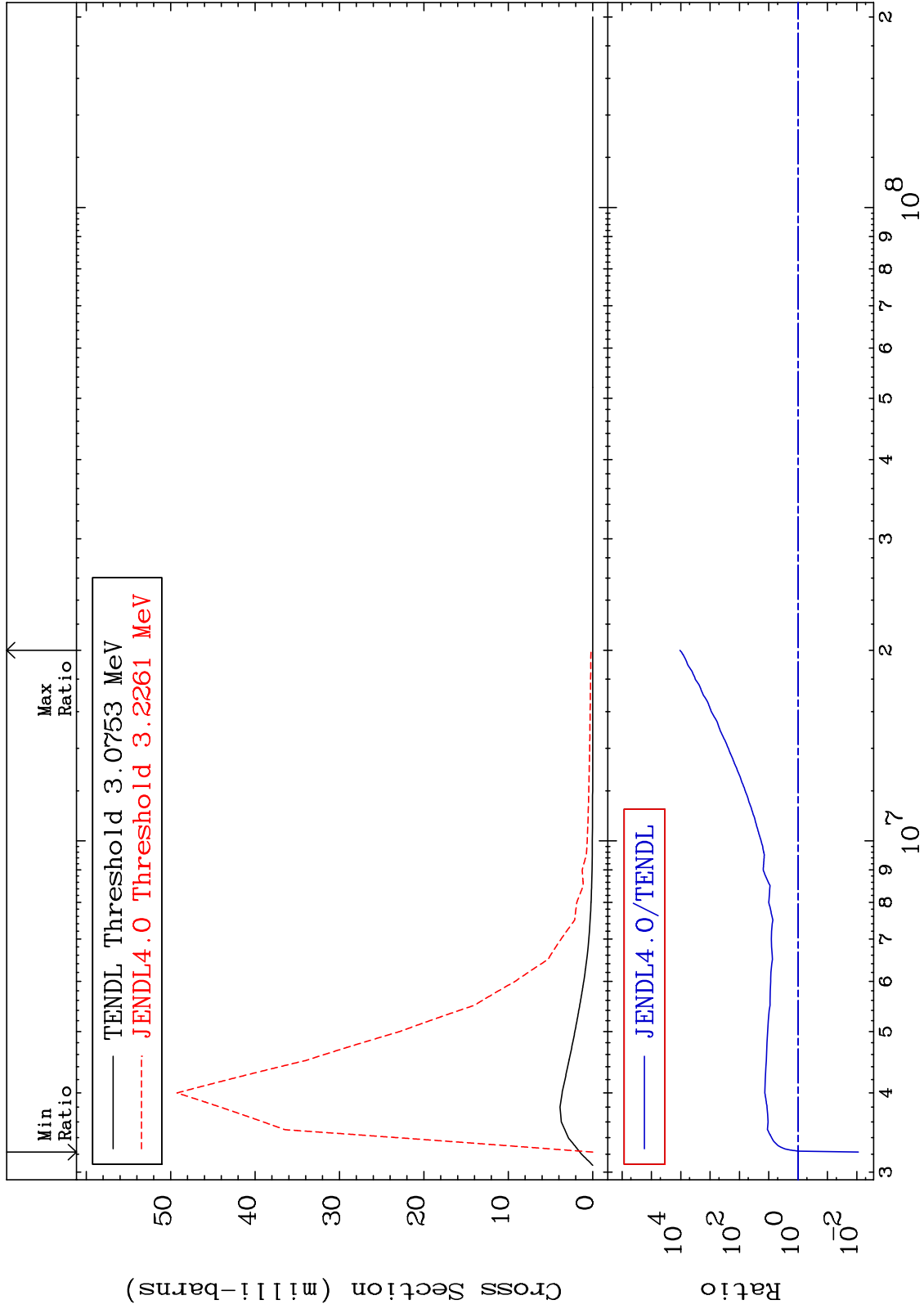
36-Kr-82  
-97.88 To 212.4 %



MAT 3637

MT= 74 (n,n') Level  
Cross Section

36-Kr-82  
-99.12 To 9999. %



30

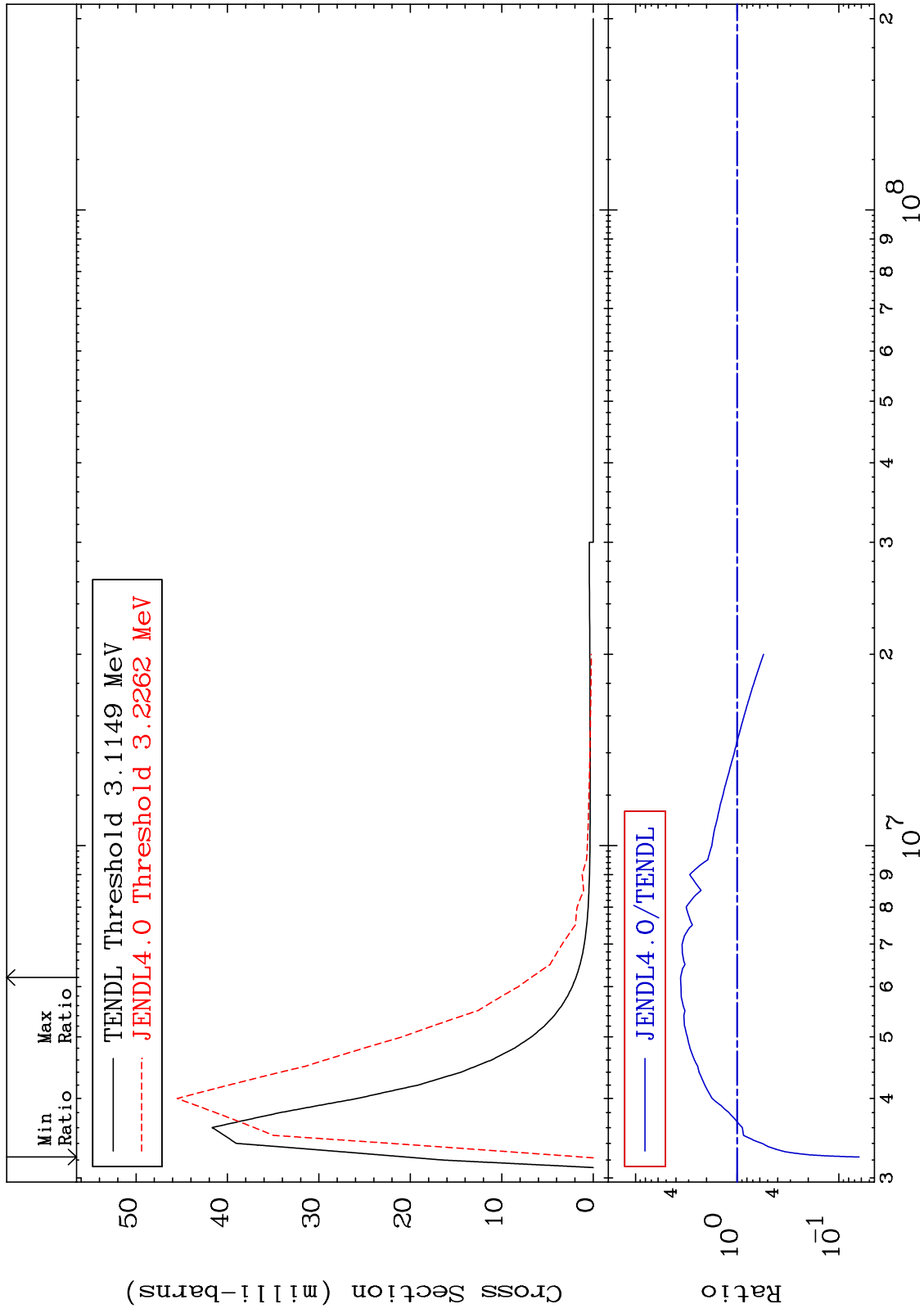
Incident Energy (eV)

36-Kr-82

MAT 3637

MT= 75 (n,n') Level  
Cross Section

36-Kr-82  
-93.70 To 260.1 %



31

Incident Energy (eV)

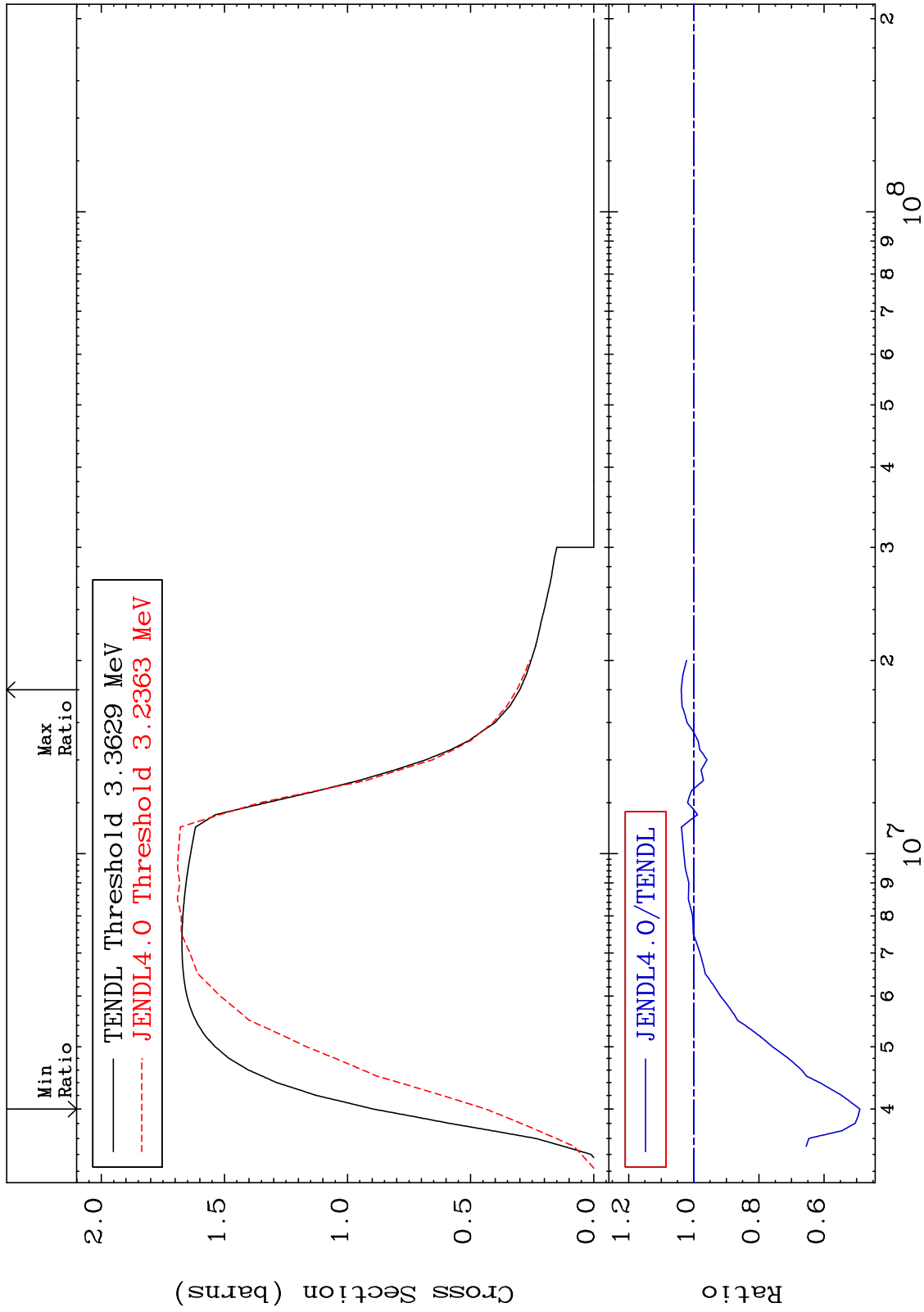
36-Kr-82



MAT 3637

(n, n') Continuum  
Cross Section

36-Kr-82  
-51.00 To 3.858 %



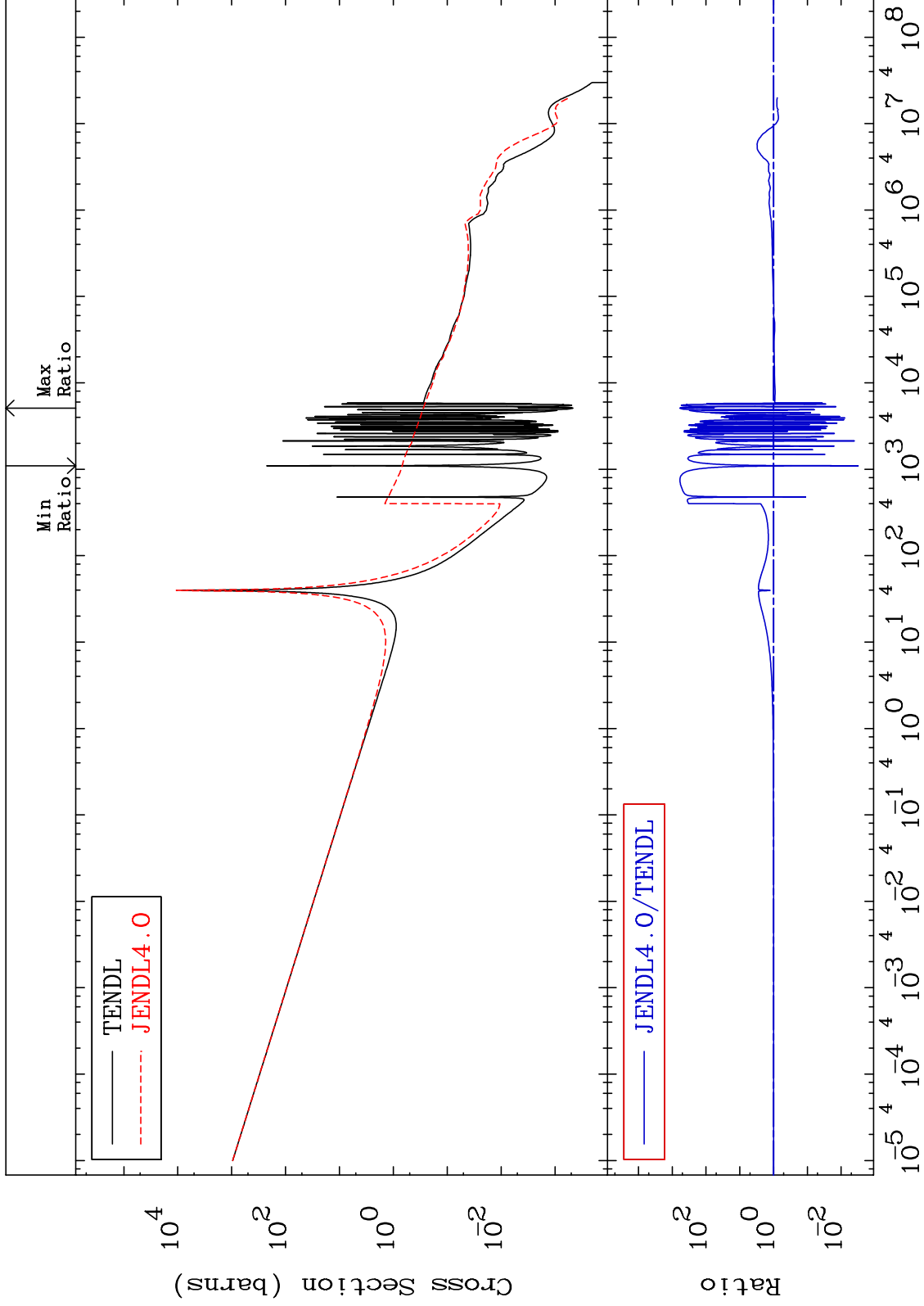
MAT 3637

(n,  $\gamma$ )

36-Kr-82

Cross Section

-99.69 To 9999. %



33

Incident Energy (eV)

36-Kr-82

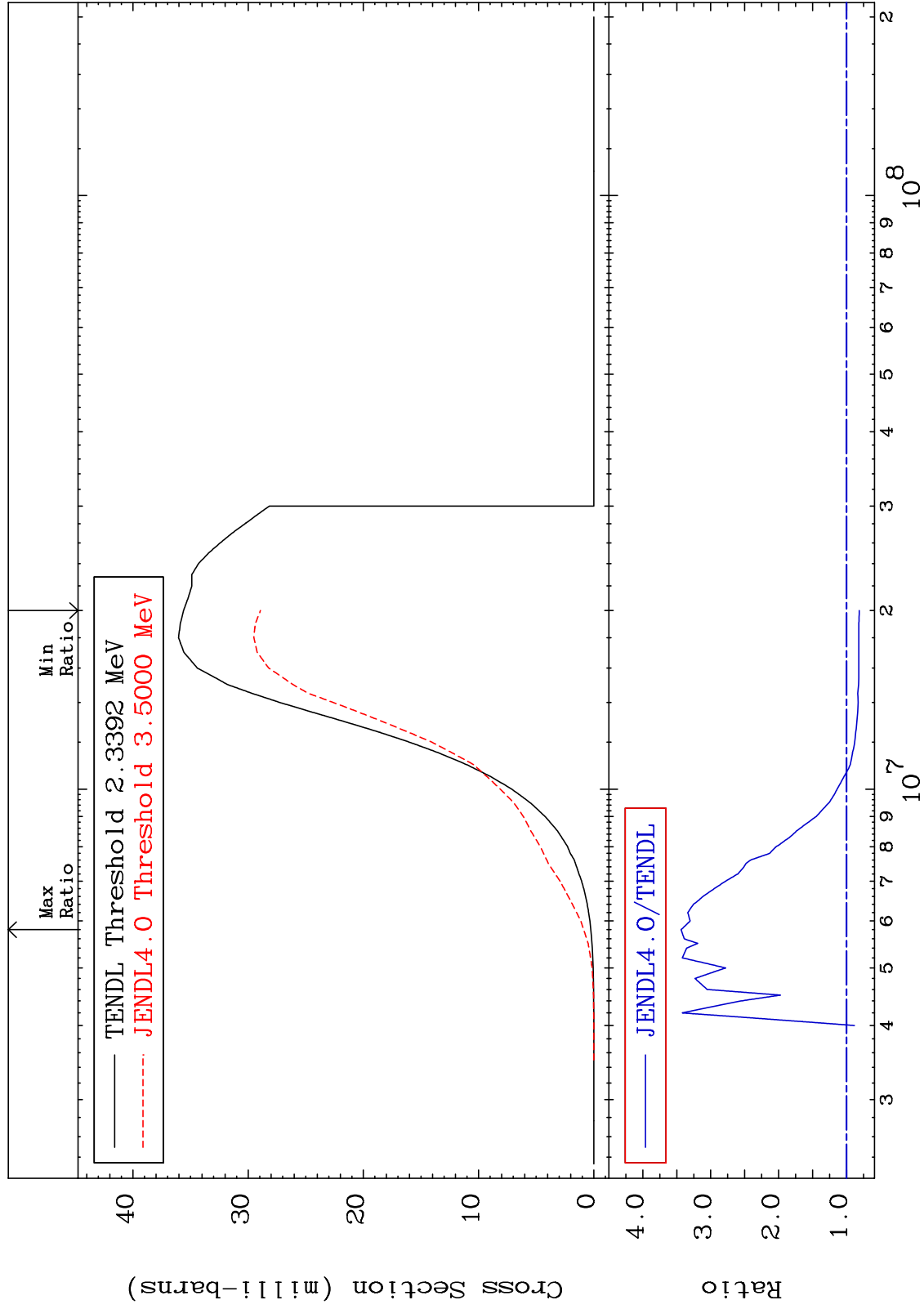
MAT 3637

(n,p)

36-Kr-82

Cross Section

-18.77 To 243.7 %



MAT 3637

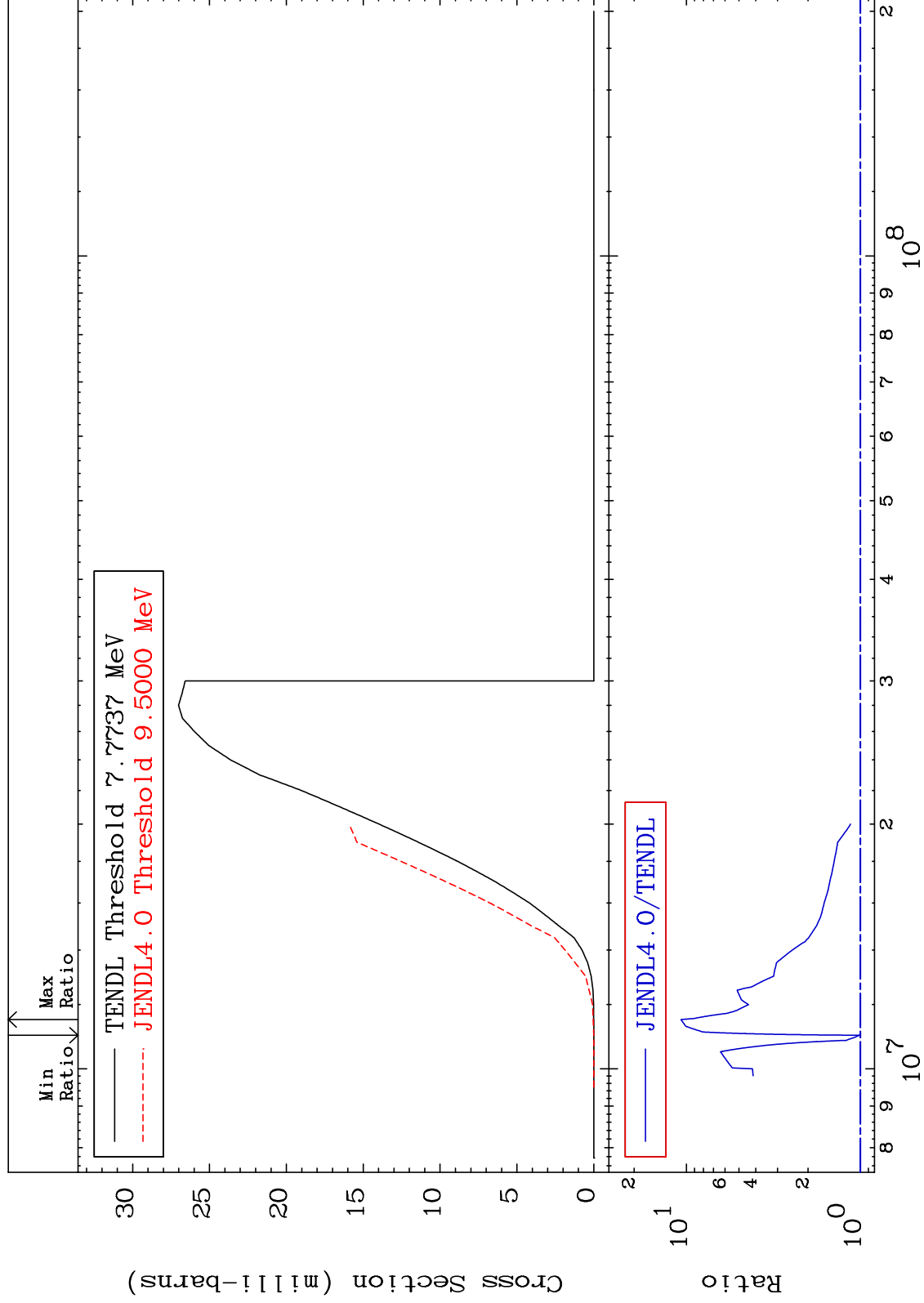
(n, d)

36-Kr-82

Cross Section

1.529

To 974.5 %



35

Incident Energy (eV)

36-Kr-82

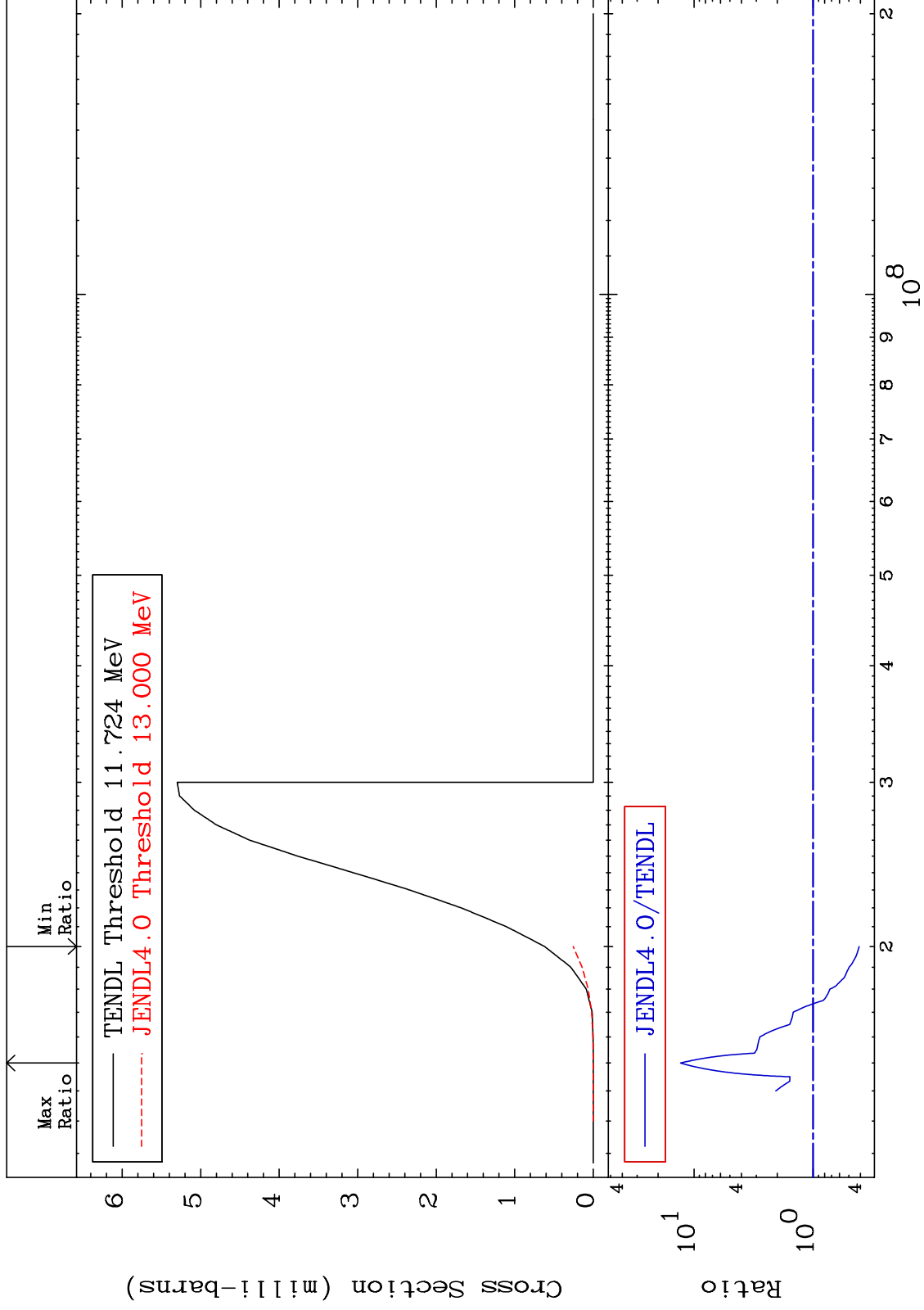
MAT 3637

(n, t)

36-Kr-82

Cross Section

-58.98 To 1195. %



36

Incident Energy (eV)

36-Kr-82

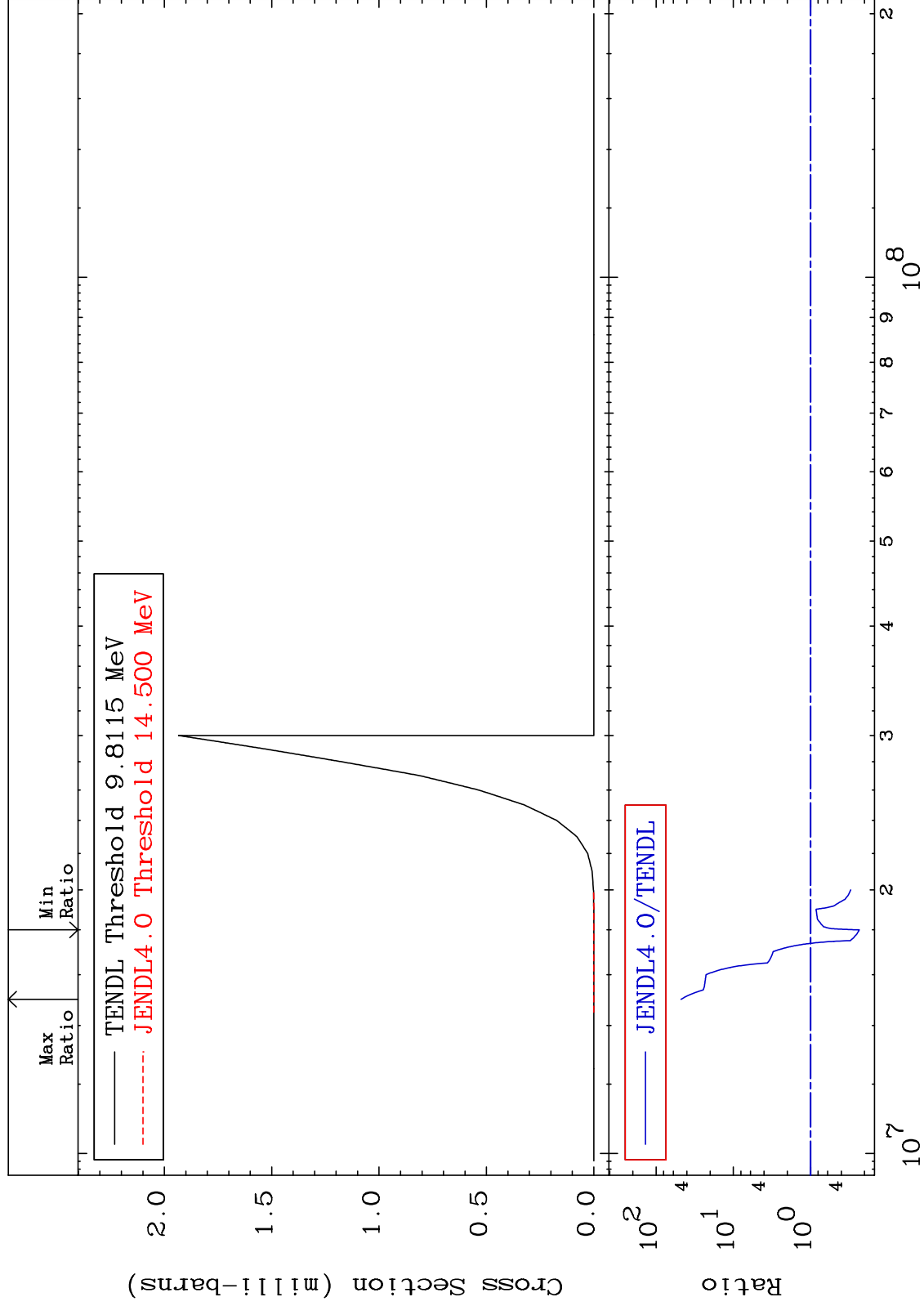
MAT 3637

(n, He-3)

36-Kr-82

Cross Section

-76.62 To 4660. %



37

Incident Energy (eV)

36-Kr-82

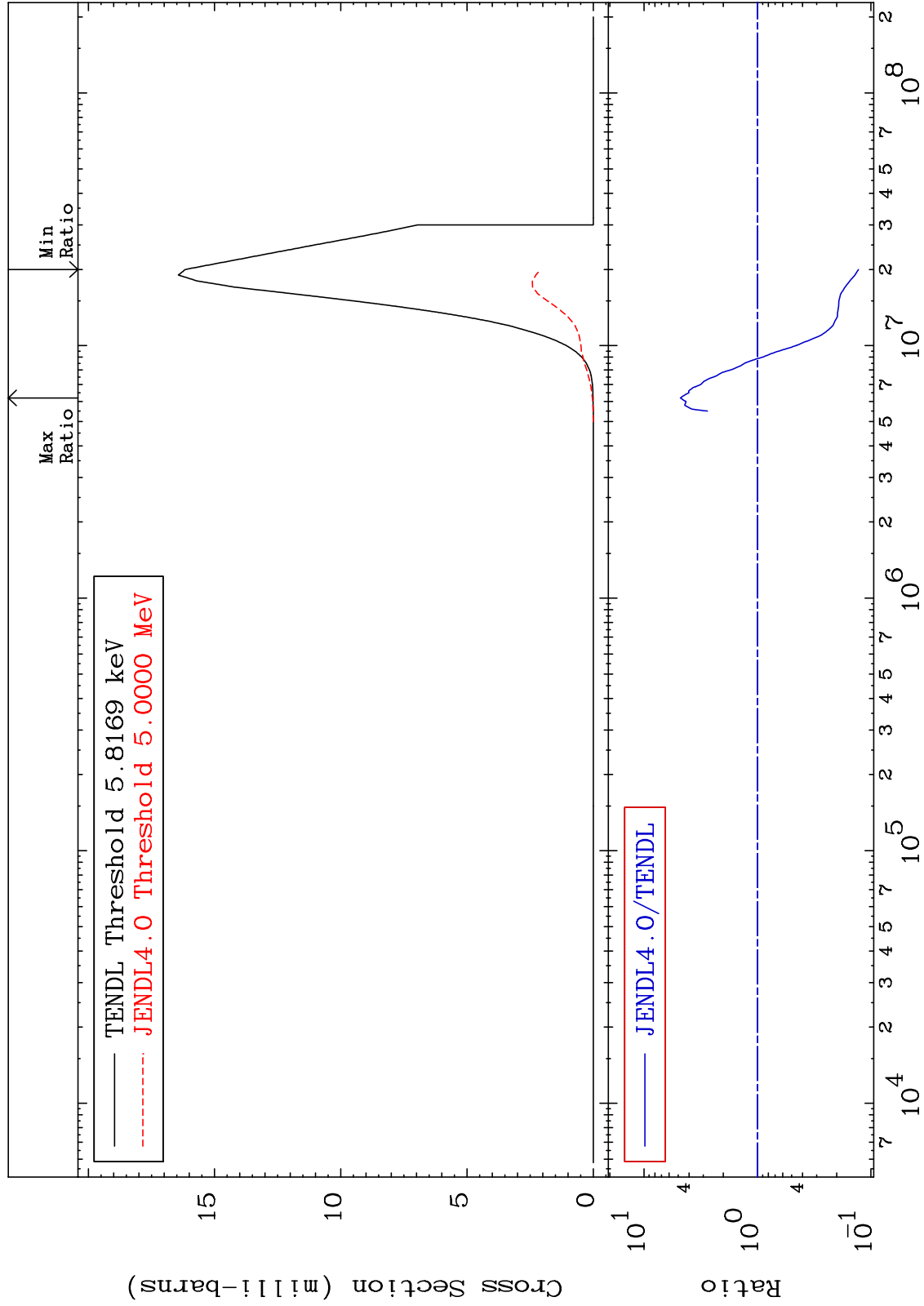
MAT 3637

(n,  $\alpha$ )

36-Kr-82

Cross Section

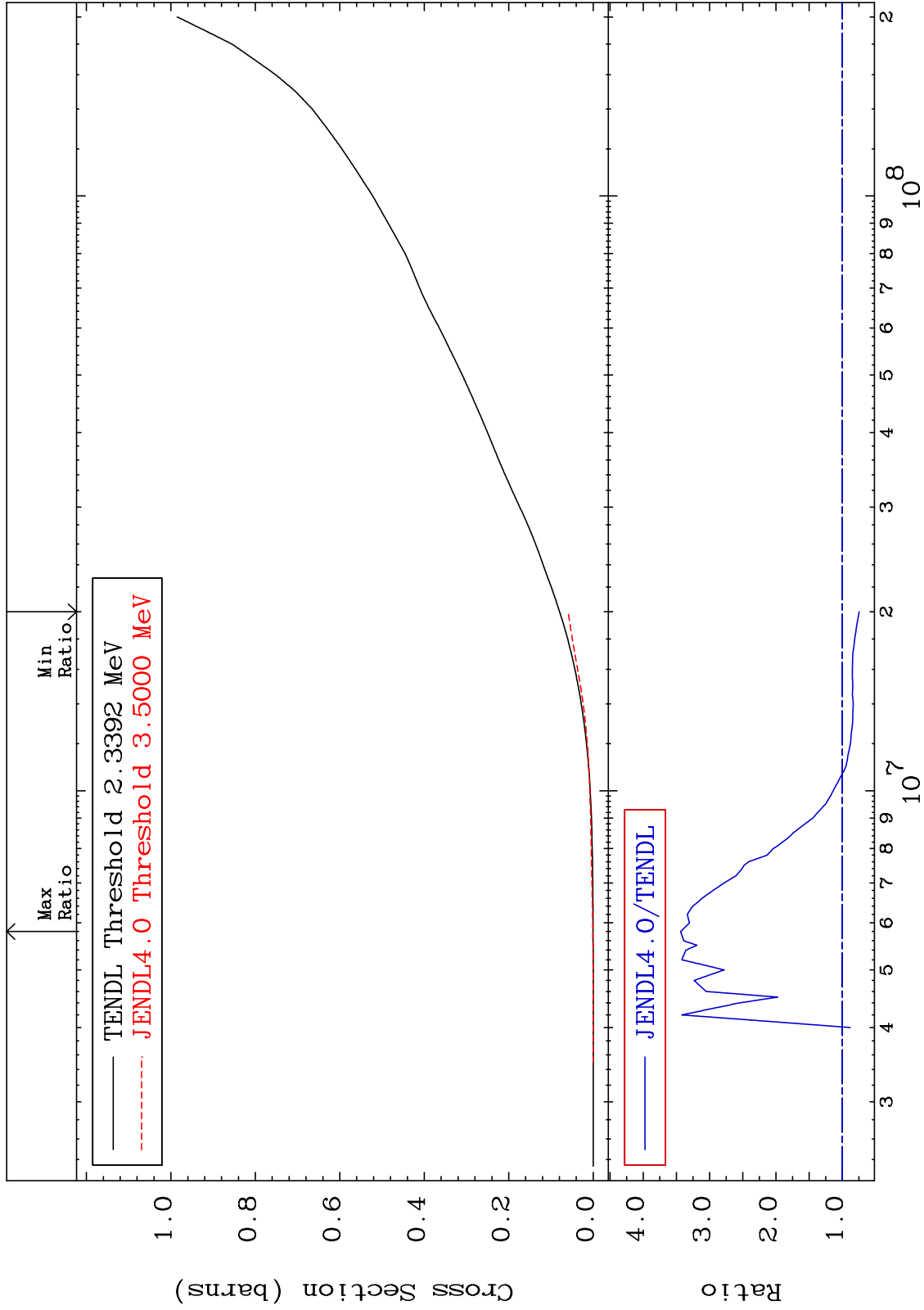
-87.14 To 376.8 %



MAT 3637

Hydrogen Production  
Cross Section

36-Kr-82  
-25.28 To 243.7 %

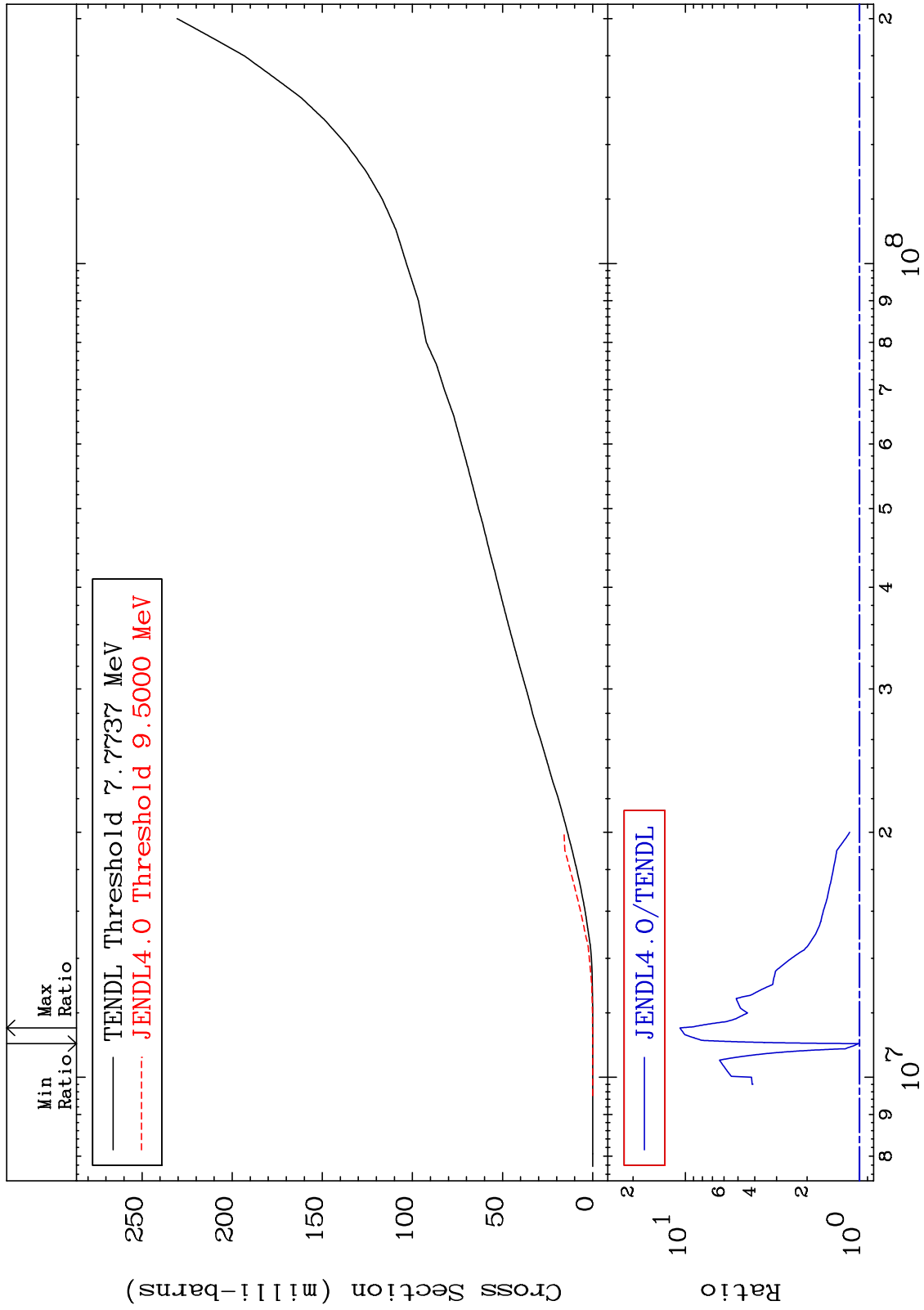




MAT 3637

Deuterium Production  
Cross Section

36-Kr-82  
1.529 To 974.5 %



40

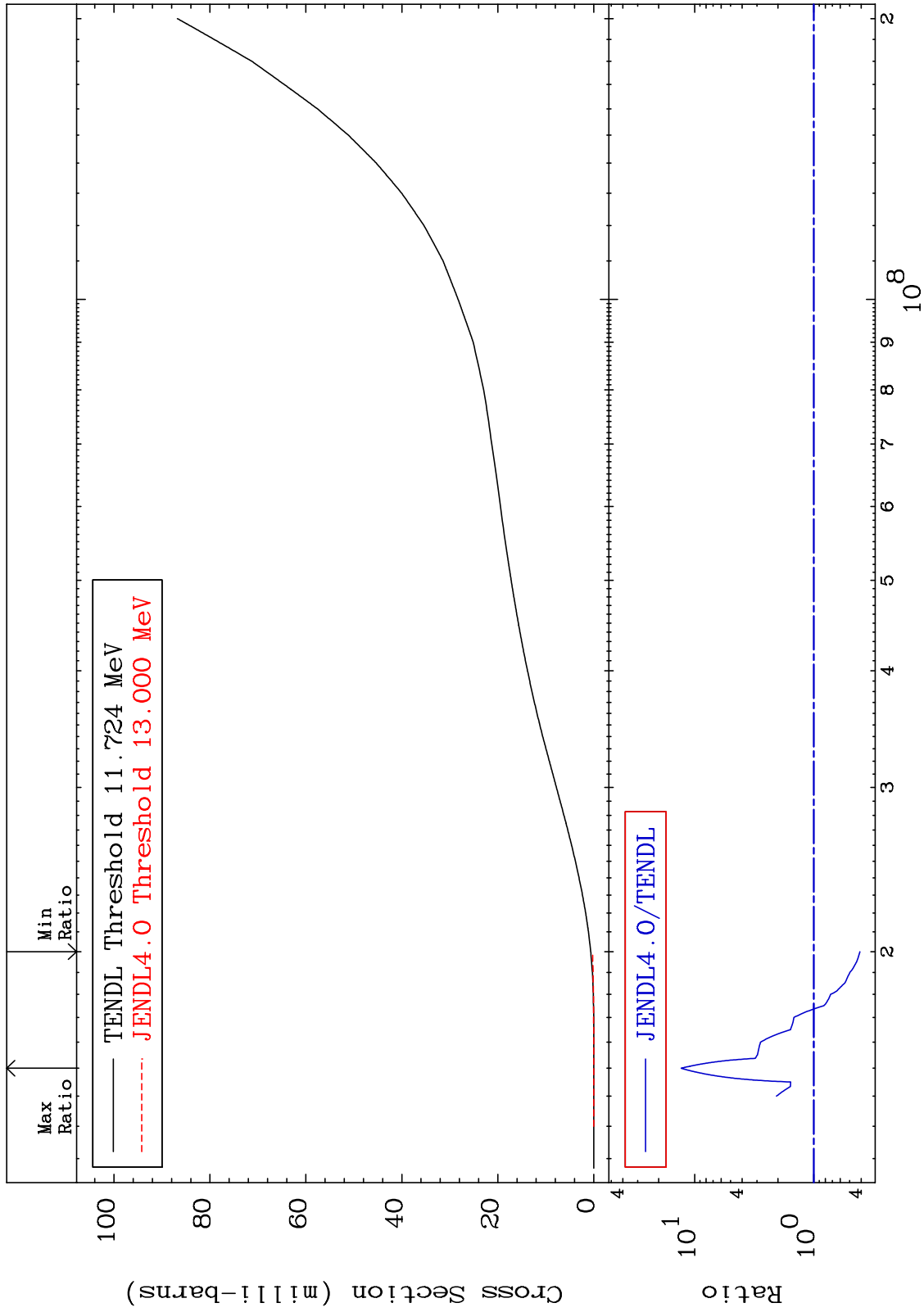
Incident Energy (eV)

36-Kr-82

MAT 3637

Tritium Production  
Cross Section

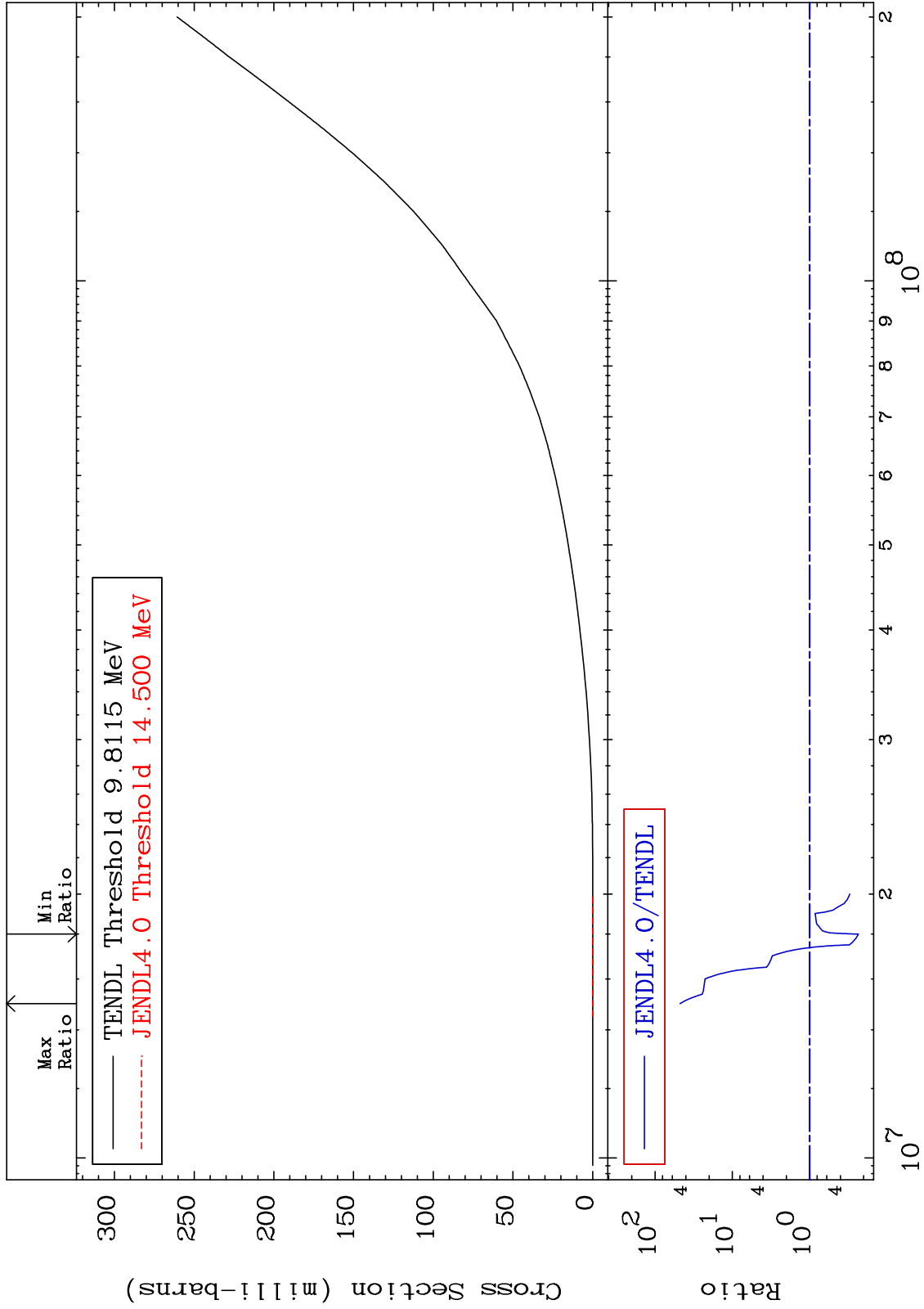
<sup>36</sup>Kr-82  
-58.98 To 1195. %



MAT 3637

He-3 Production  
Cross Section

36-Kr-82  
-76.62 To 4660. %



Incident Energy (eV)

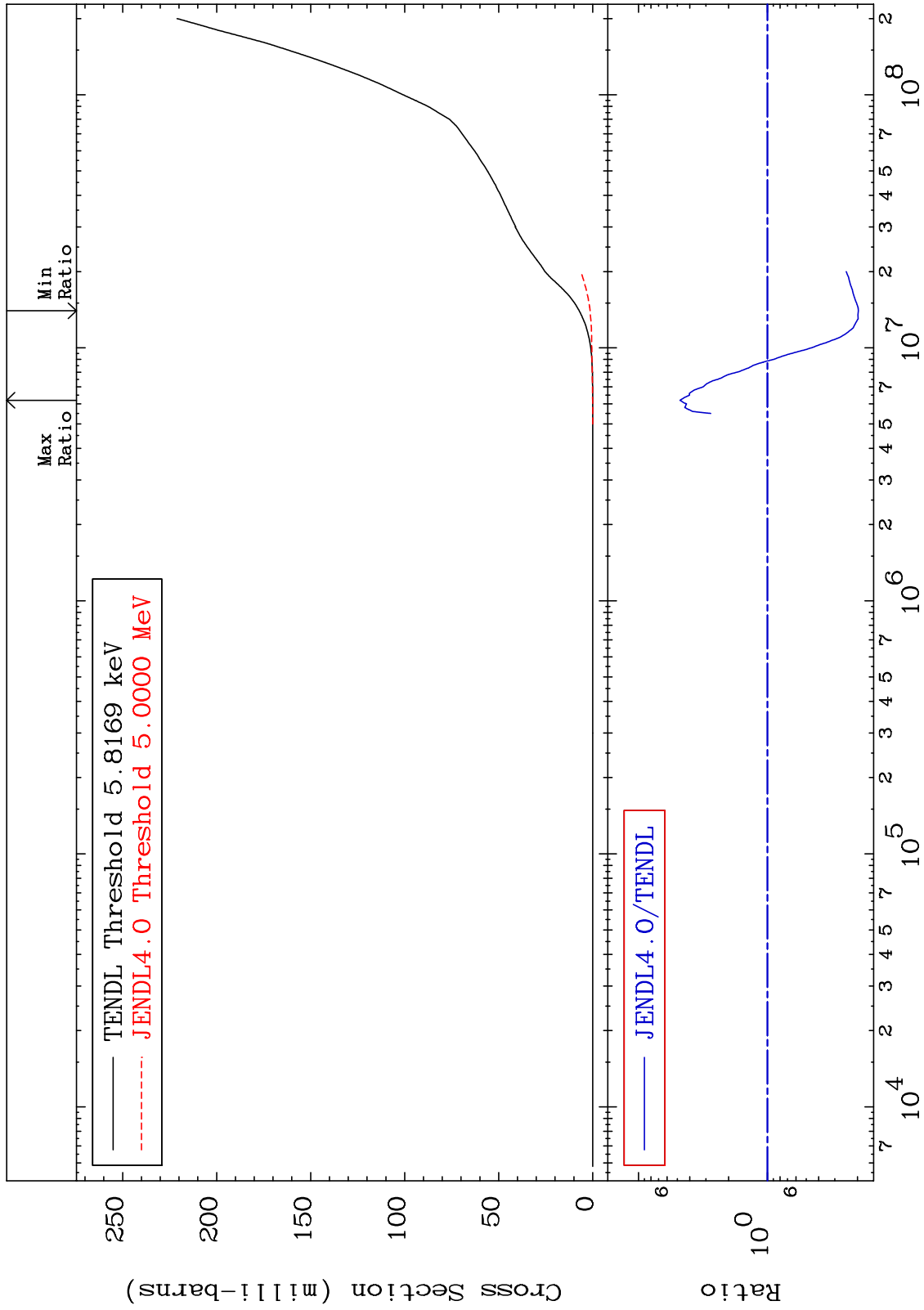
36-Kr-82

42

MAT 3637

He-4 Production  
Cross Section

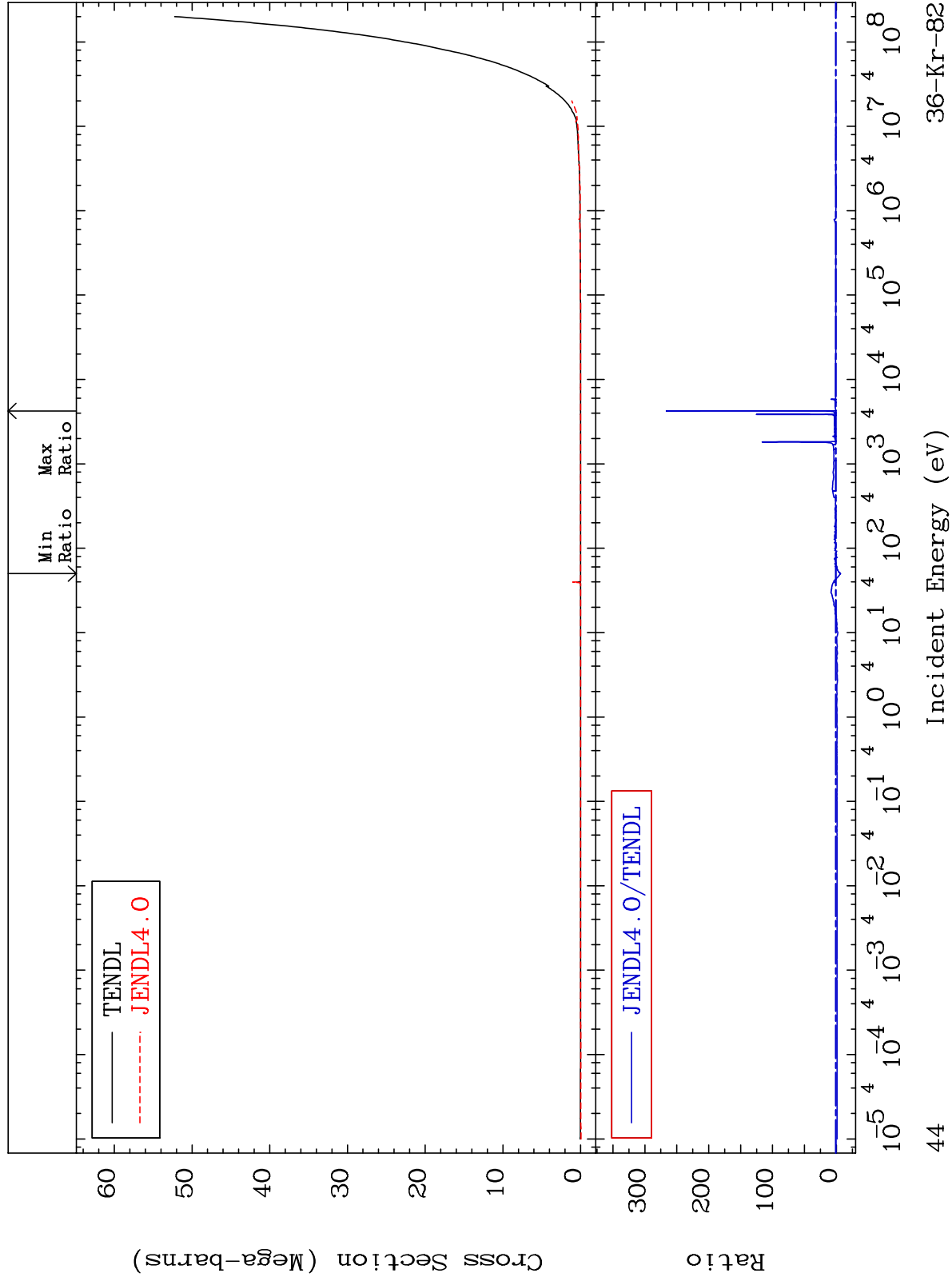
36-Kr-82  
-80.30 To 376.8 %



MAT 3637

Kerma total (eV-barns)  
Cross Section

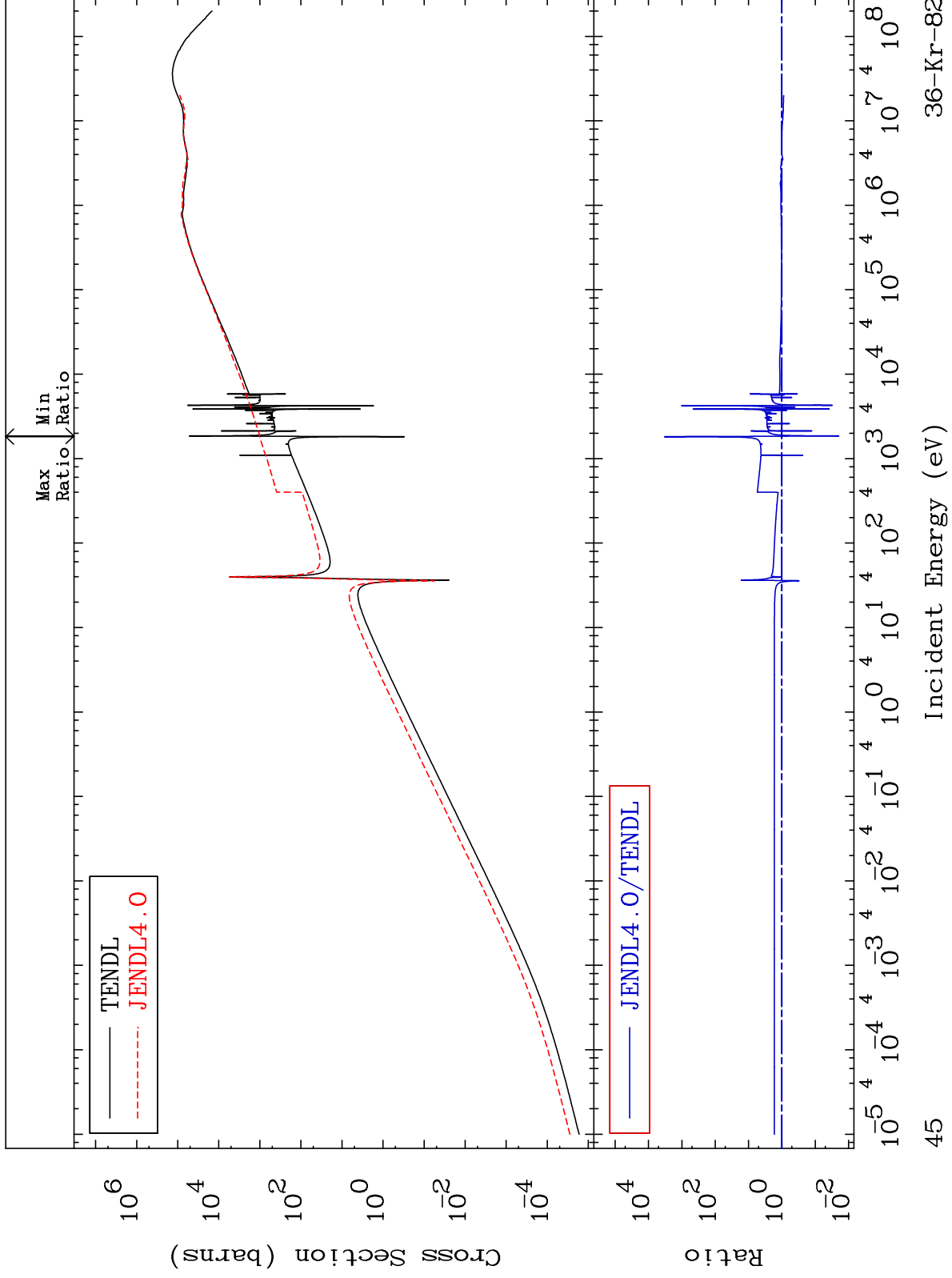
36-Kr-82  
-778.7 To 9999. %



MAT 3637

Kerma elastic  
Cross Section

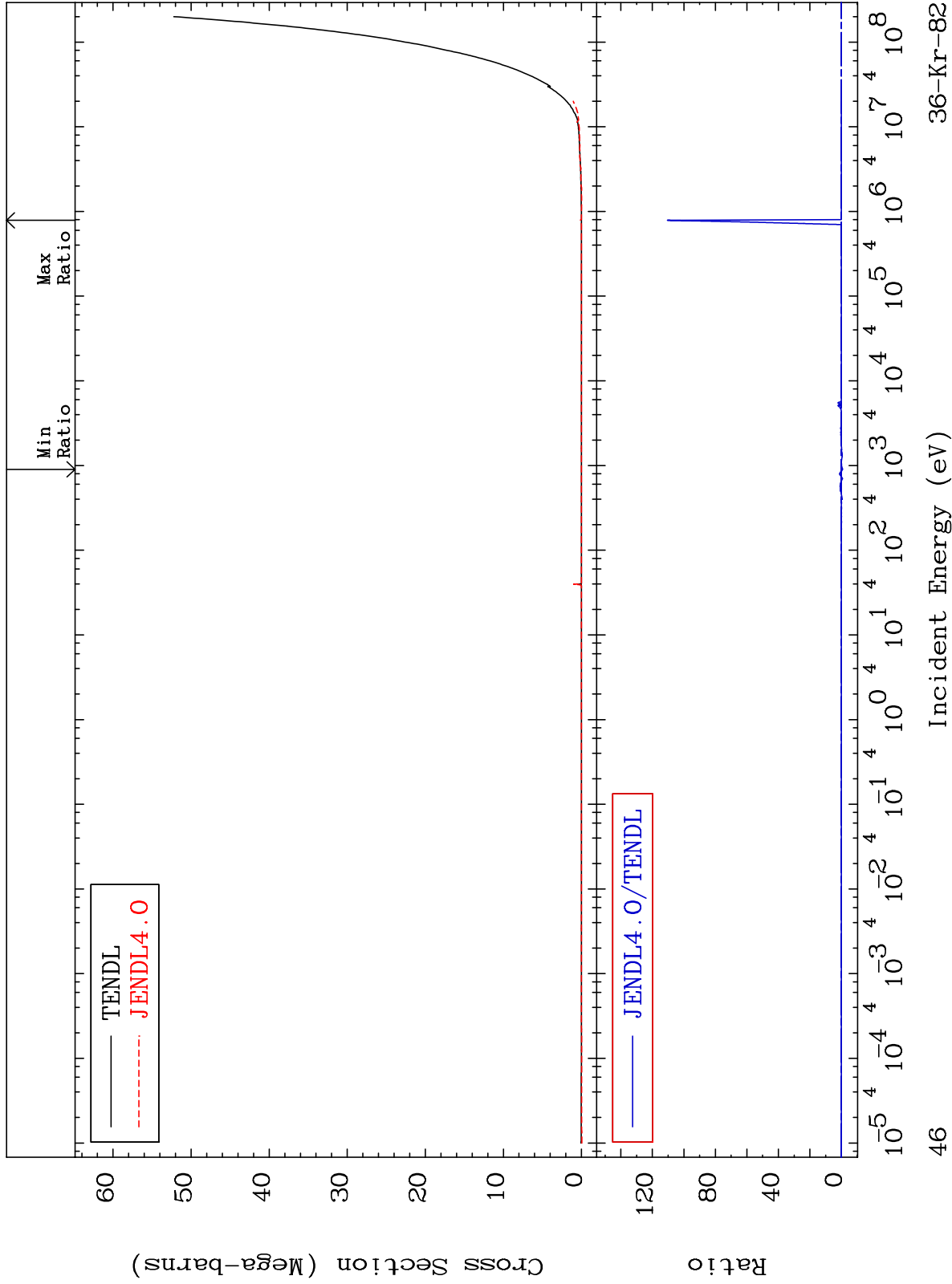
36-Kr-82  
-98.07 To 9999. %



MAT 3637

Kerma non-elastic (all but mt2)  
Cross Section

36-Kr-82  
-9999. To 9999. %



46

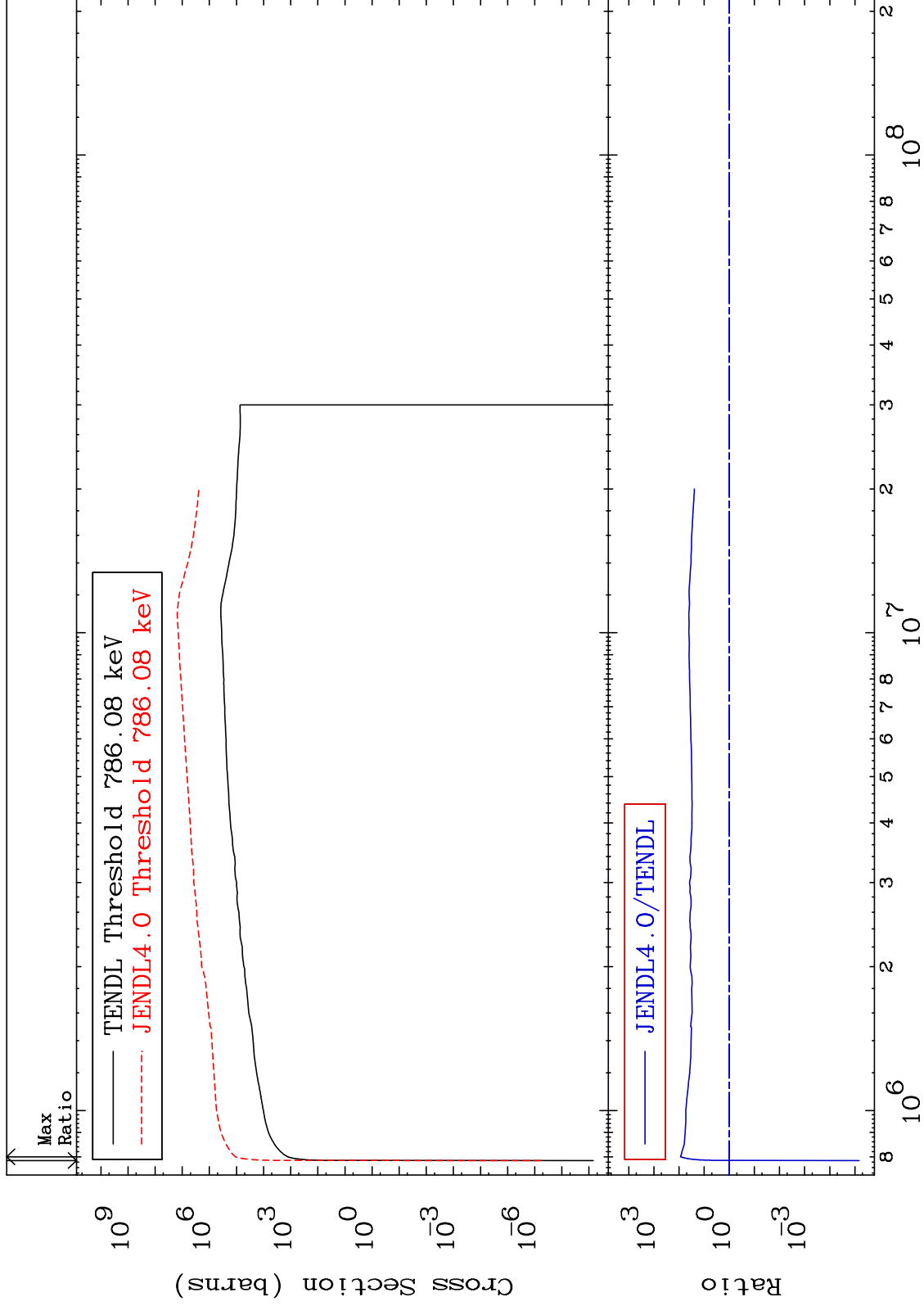
Incident Energy (eV)

36-Kr-82

MAT 3637

Kerma inelastic (mt51-91)  
Cross Section

36-Kr-82  
-100.0 To 8519. %



47

Incident Energy (eV)

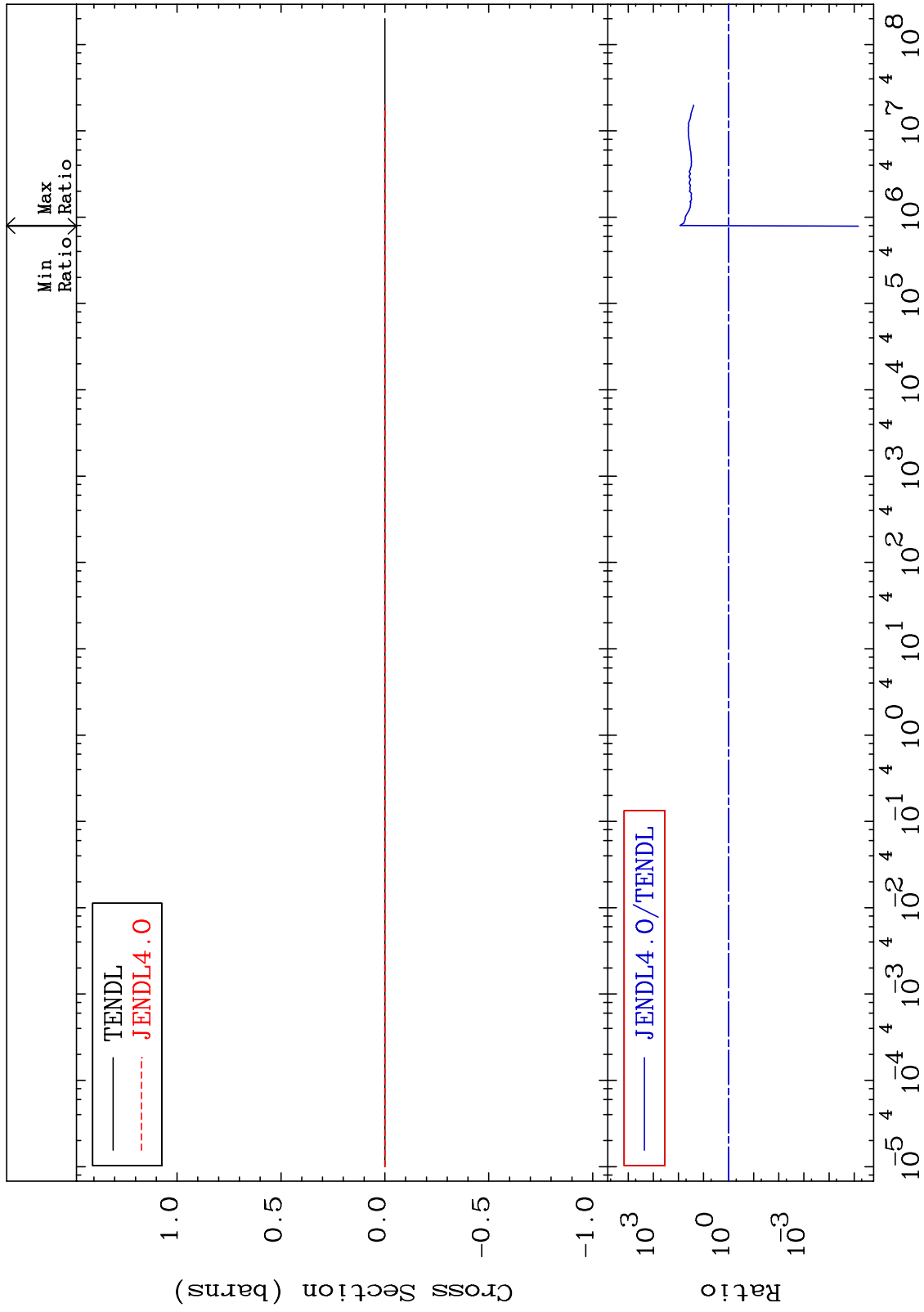
36-Kr-82



MAT 3637

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

36-Kr-82  
-100.0 To 8519. %



48

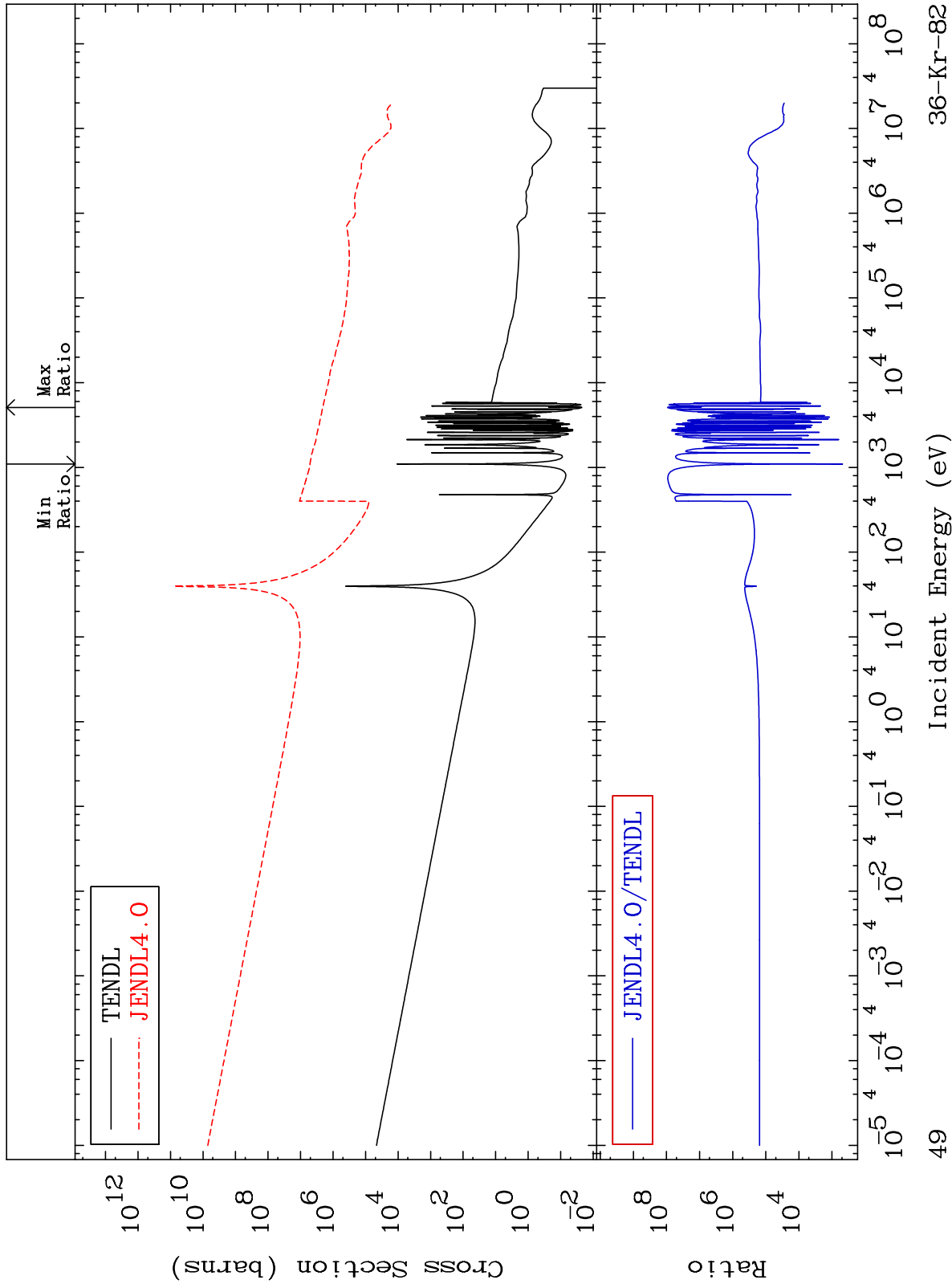
Incident Energy (eV)

36-Kr-82

MAT 3637

Kerma capture (mt102)  
Cross Section

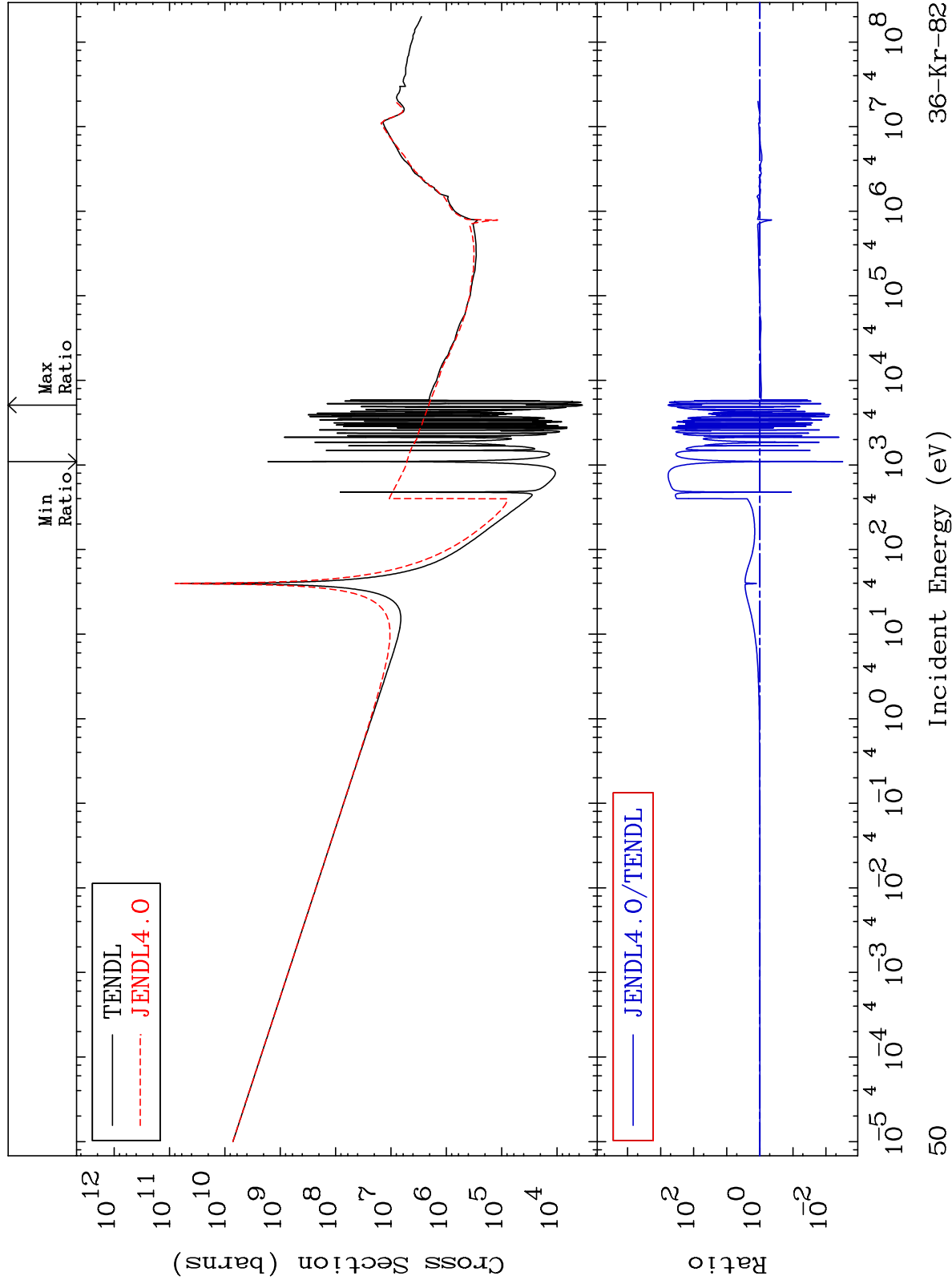
36-Kr-82  
9999. To 9999. %



MAT 3637

Total photon (eV-barns)  
Cross Section

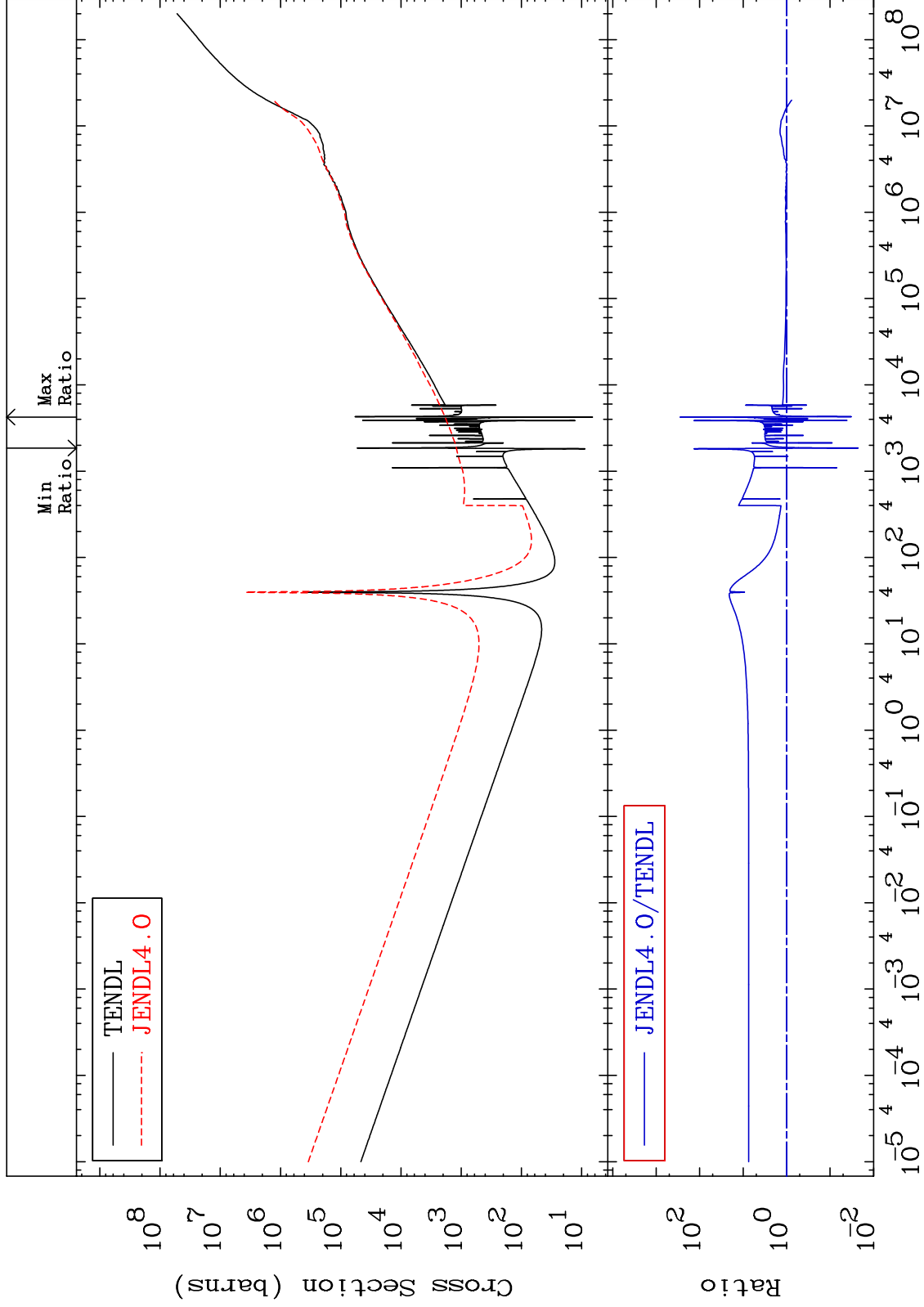
36-Kr-82  
-99.69 To 9999. %



MAT 3637

Total kinematic kerma (high limit)  
Cross Section

36-Kr-82  
-97.77 To 9999. %



51

Incident Energy (eV)

36-Kr-82

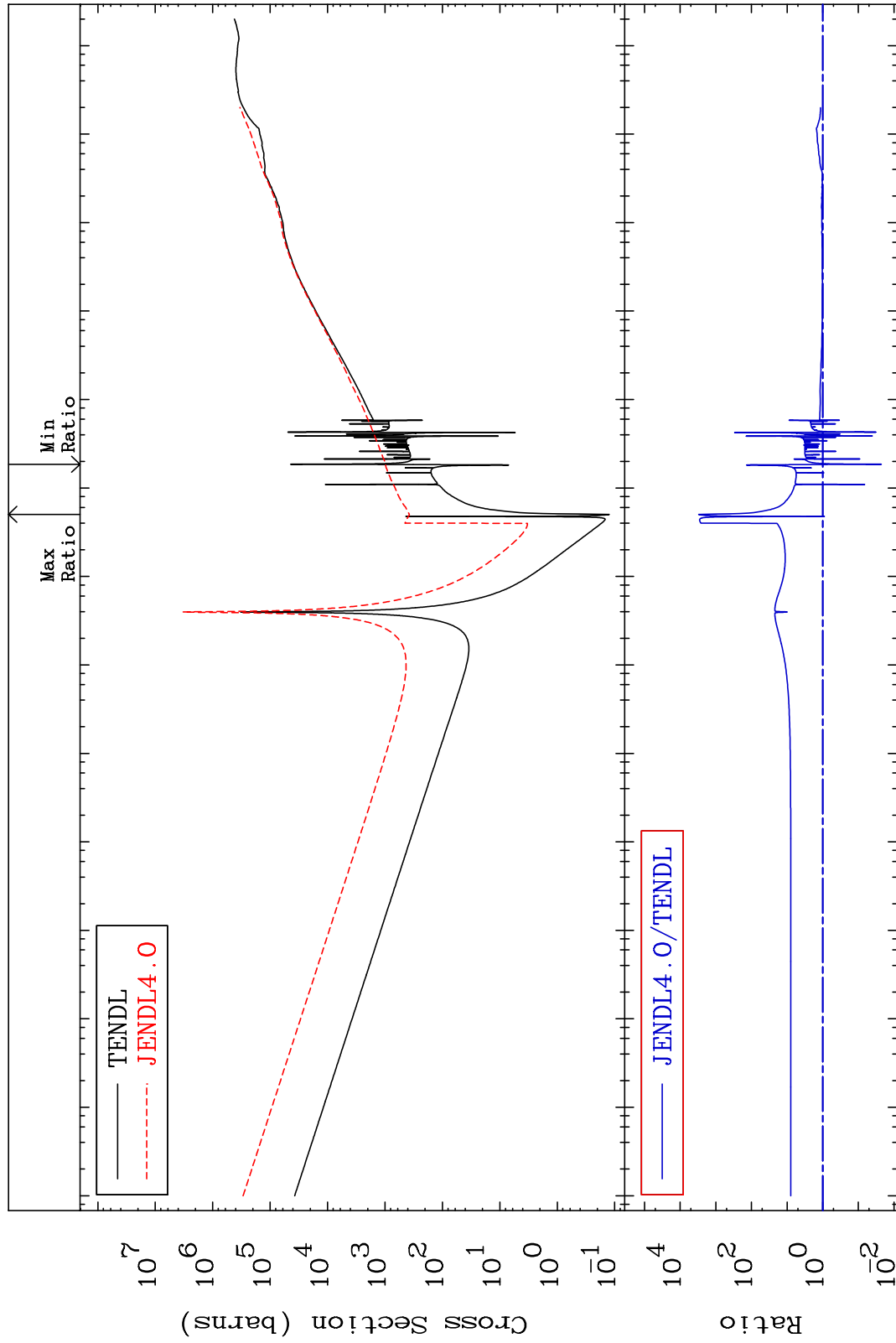
MAT 3637

Dpa total (eV-barns)

36-Kr-82

-97.77 To 9999. %

Cross Section



52

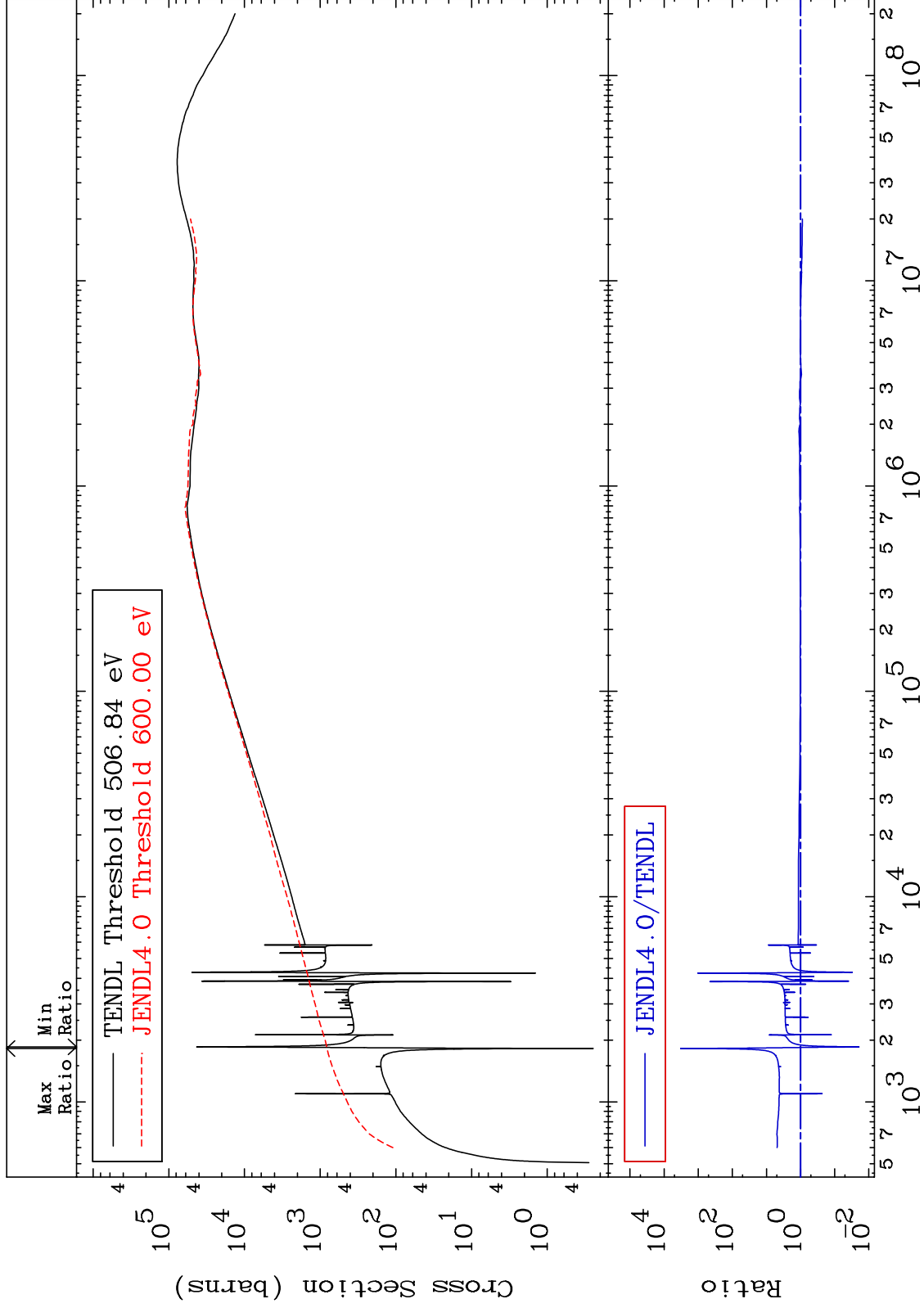
Incident Energy (eV)

36-Kr-82

MAT 3637

Dpa elastic (mt2)  
Cross Section

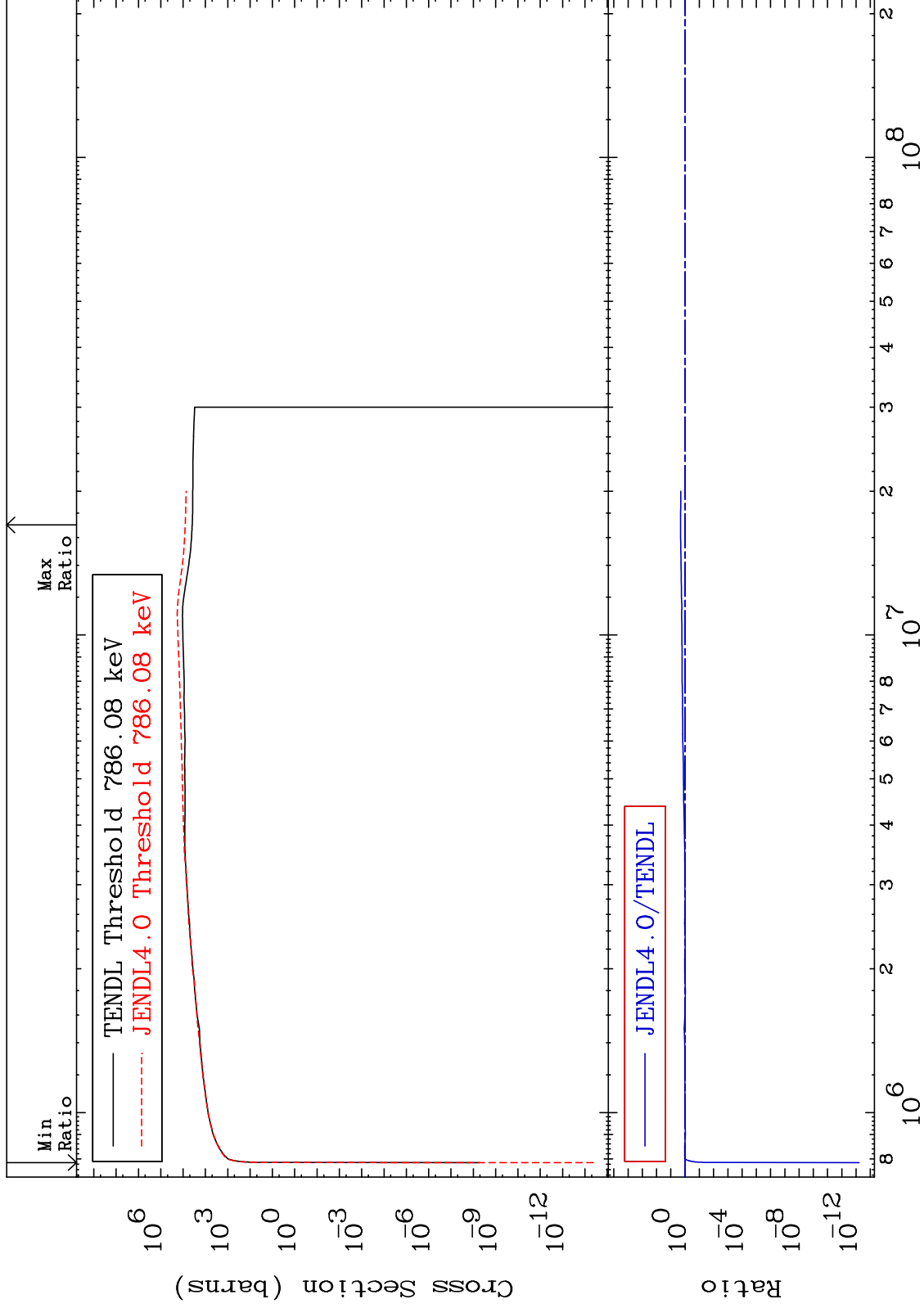
36-Kr-82  
-98.08 To 9999. %



MAT 3637

Dpa inelastic (mt51-91)  
Cross Section

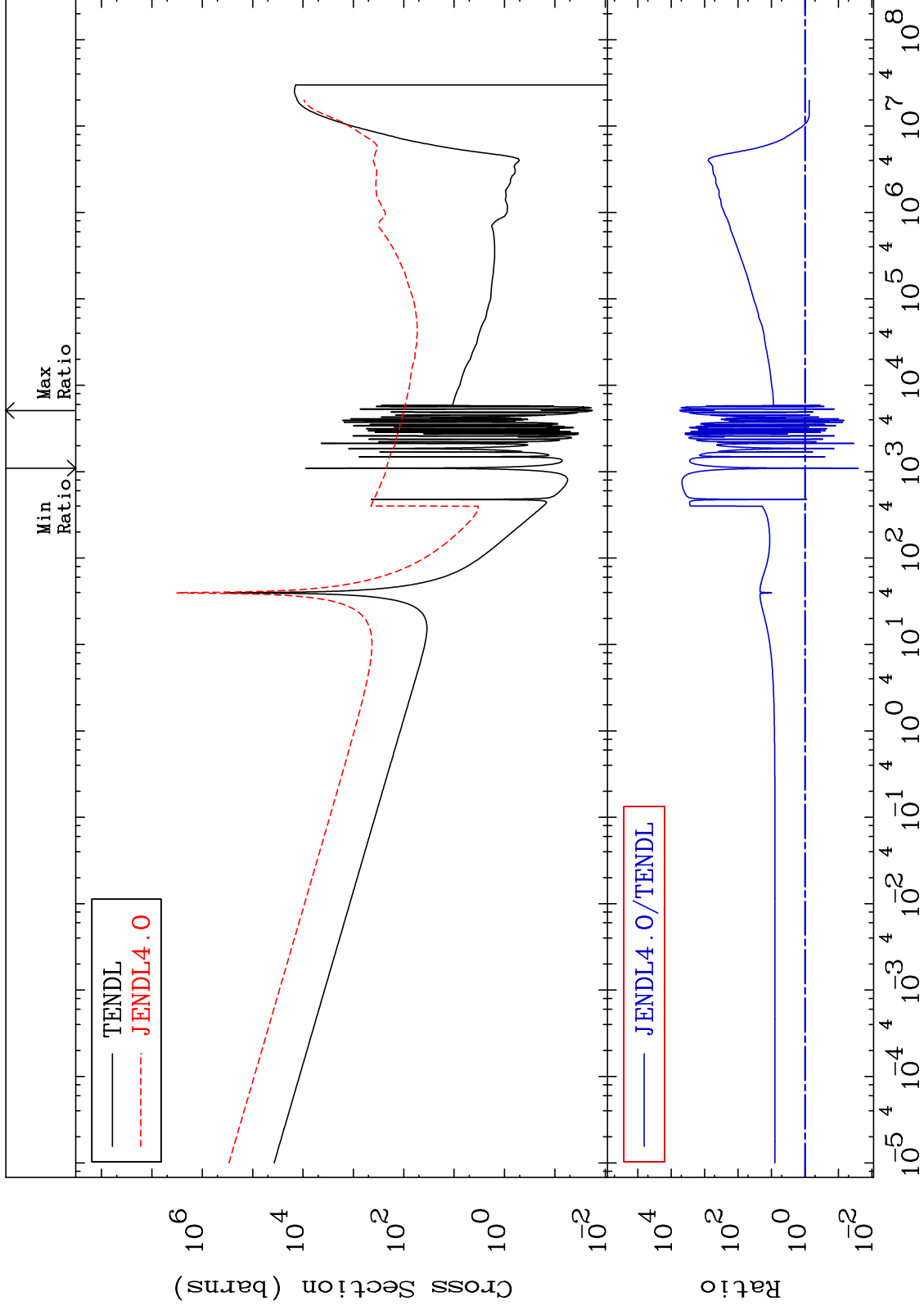
36-Kr-82  
-100.0 To 105.0 %



MAT 3637

Dpa disappearance (mt102 -120)  
Cross Section

36-Kr-82  
-97.48 To 9999. %



55

Incident Energy (eV)

36-Kr-82



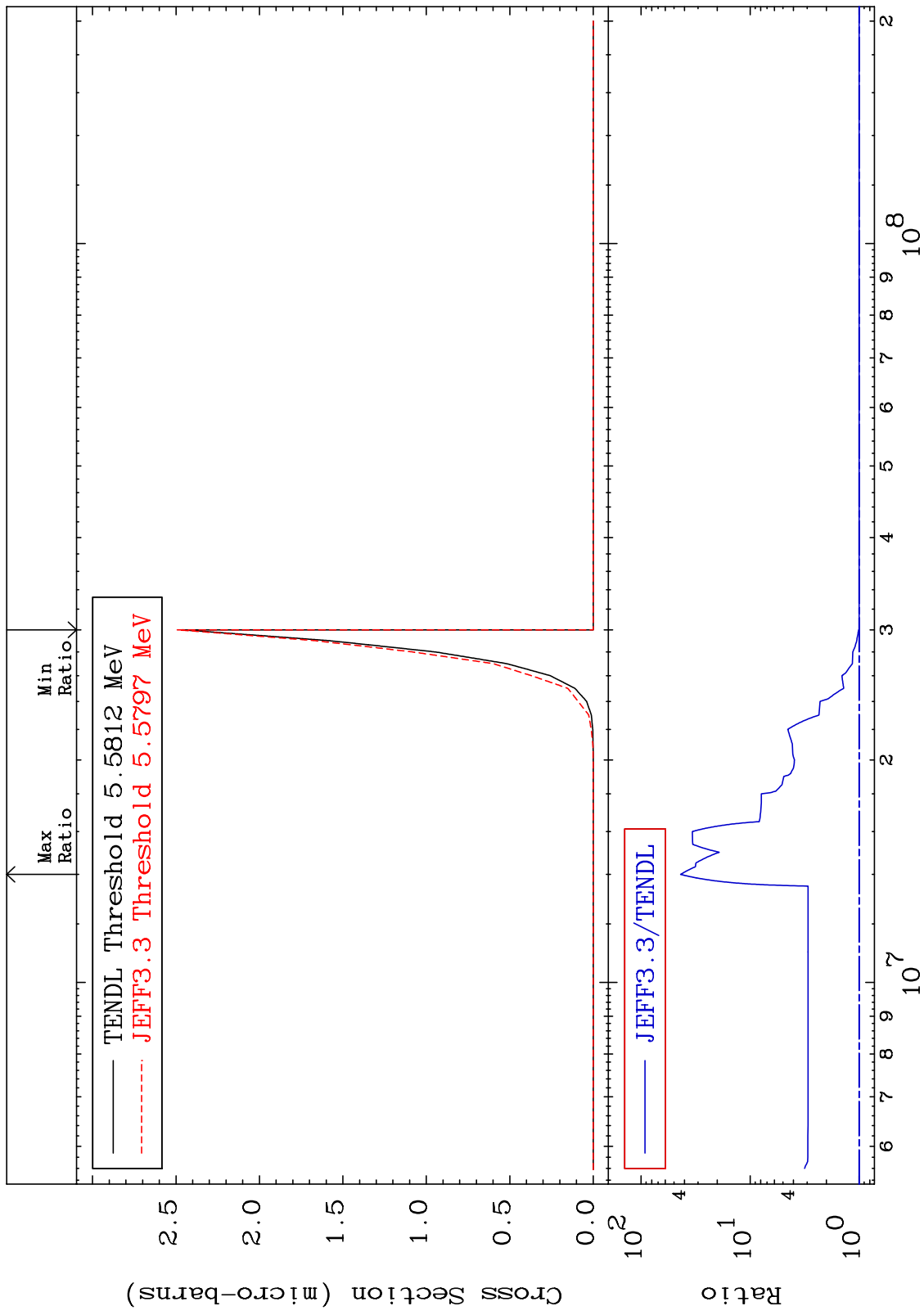
MAT 3637

(n, 2α)

<sup>36</sup>Kr-82

Cross Section

0.000 To 4240. %



56

Incident Energy (eV)

<sup>36</sup>Kr-82

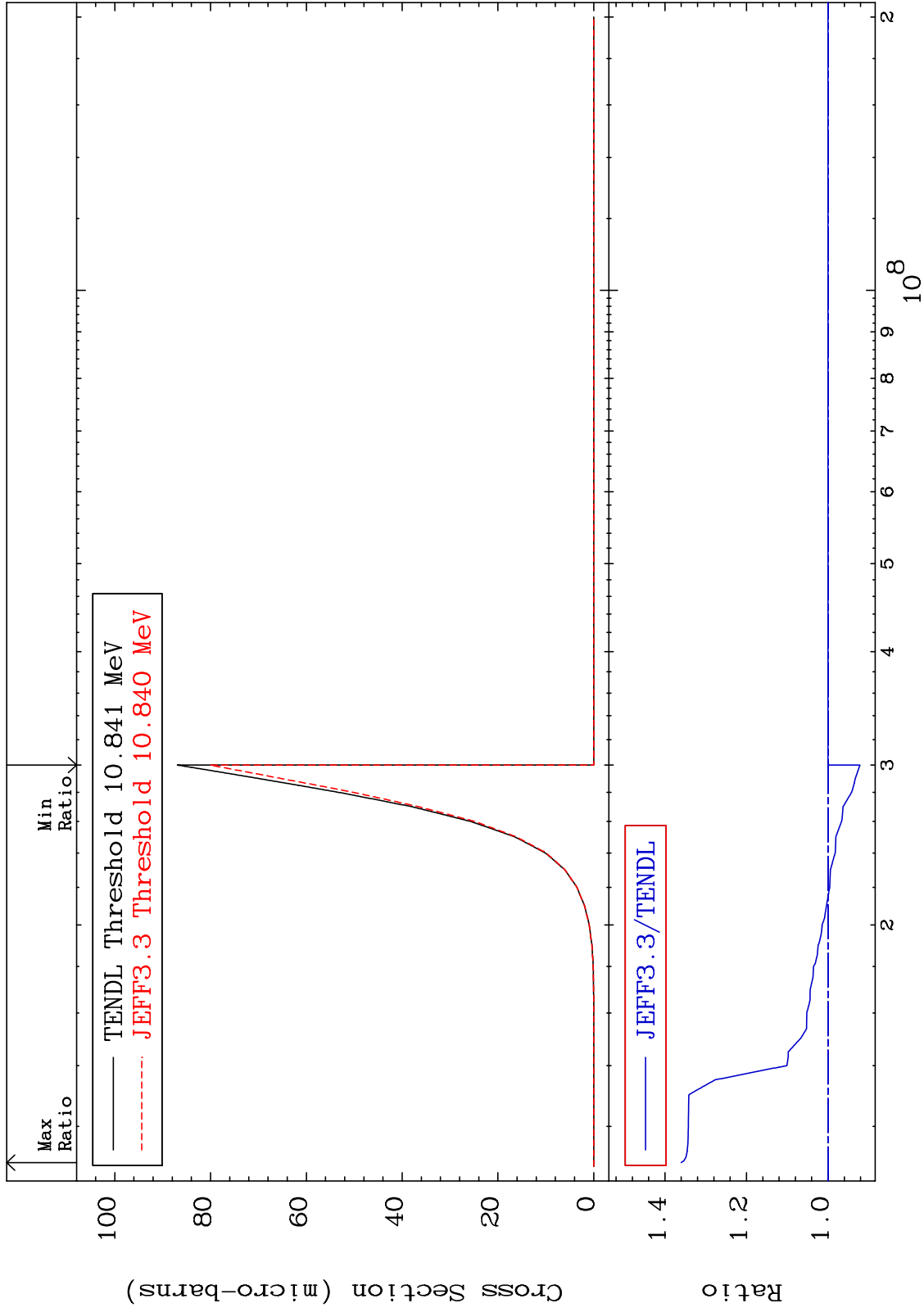
MAT 3637

(n,2p)

36-Kr-82

Cross Section

-7.830 To 36.01 %



57

Incident Energy (eV)

36-Kr-82

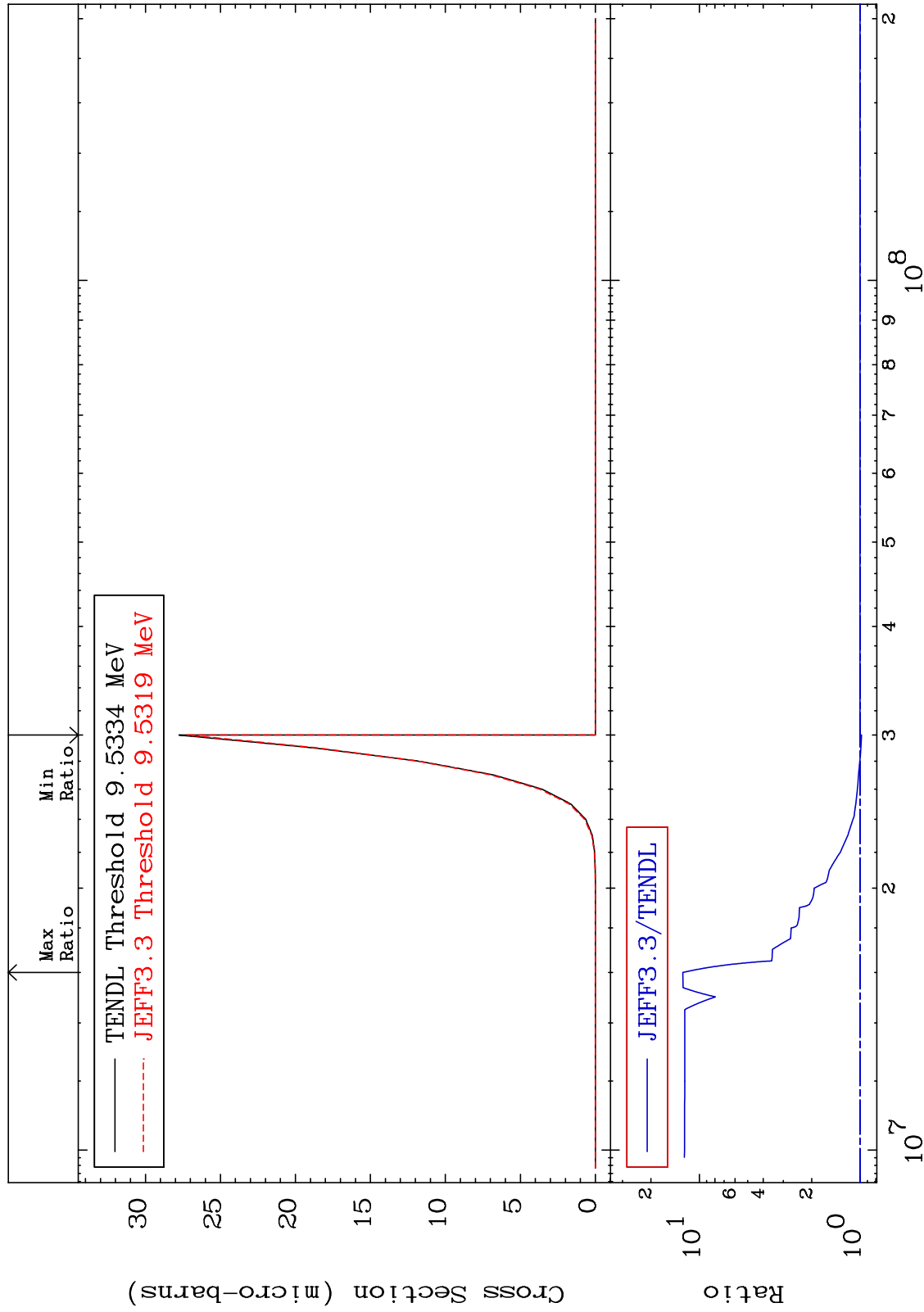
MAT 3637

(n,p)  $\alpha$

36-Kr-82

Cross Section

-2.110 To 1165. %



58

Incident Energy (eV)

36-Kr-82

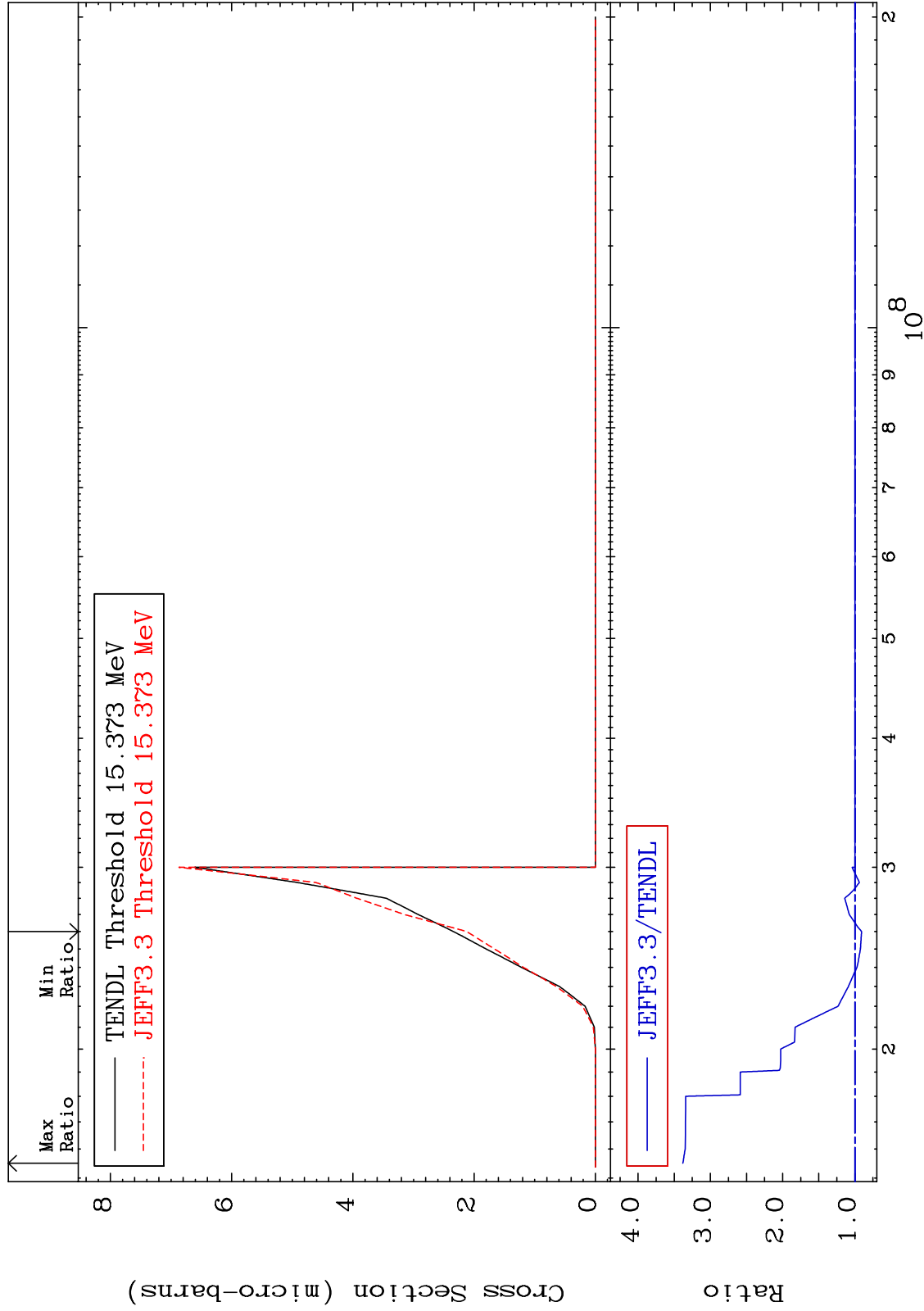
MAT 3637

(n,p) d

36-Kr-82

Cross Section

-9.246 To 238.0 %



59

Incident Energy (eV)

36-Kr-82

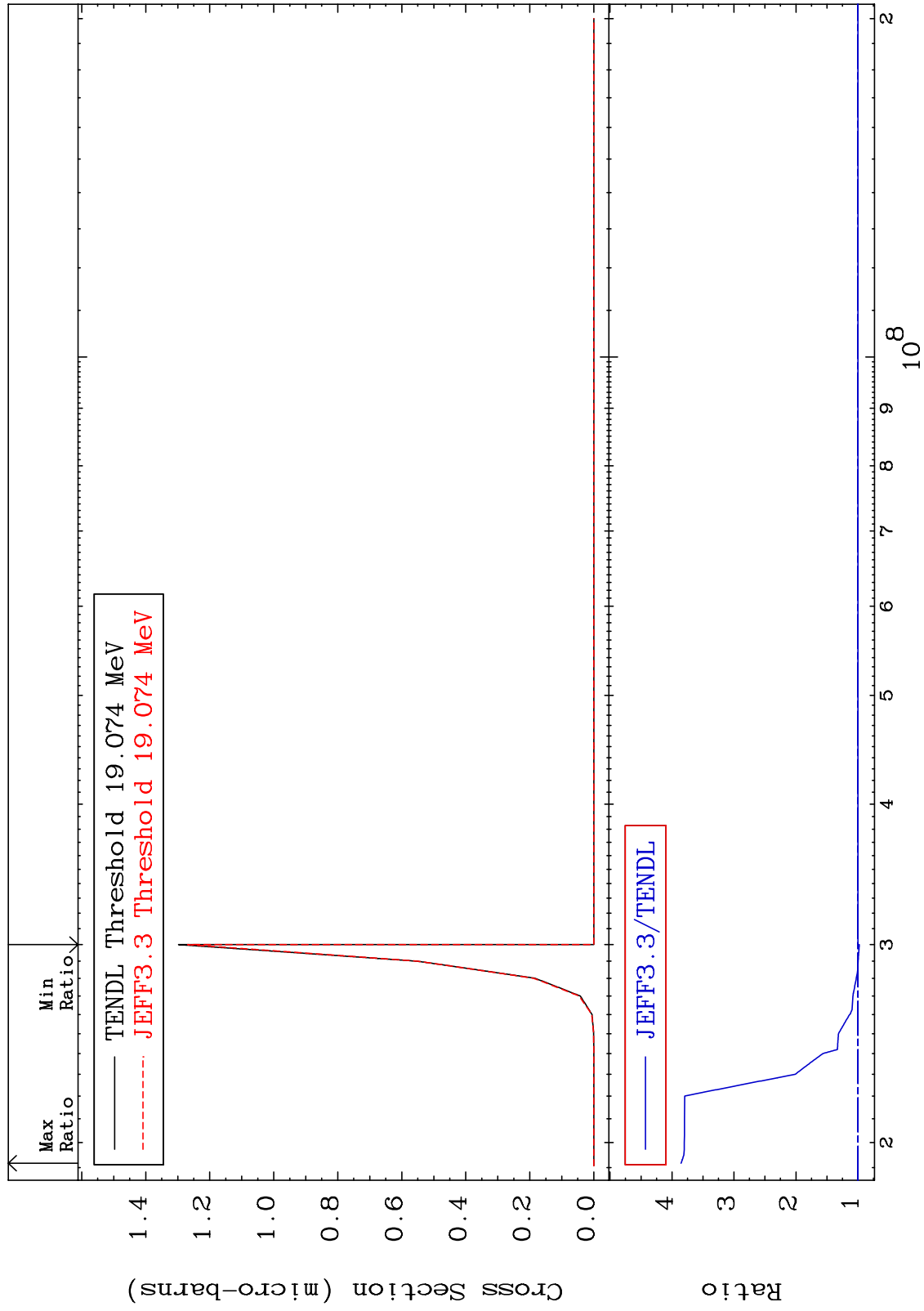
MAT 3637

(n,p) t

36-Kr-82

Cross Section

-2.209 To 285.4 %



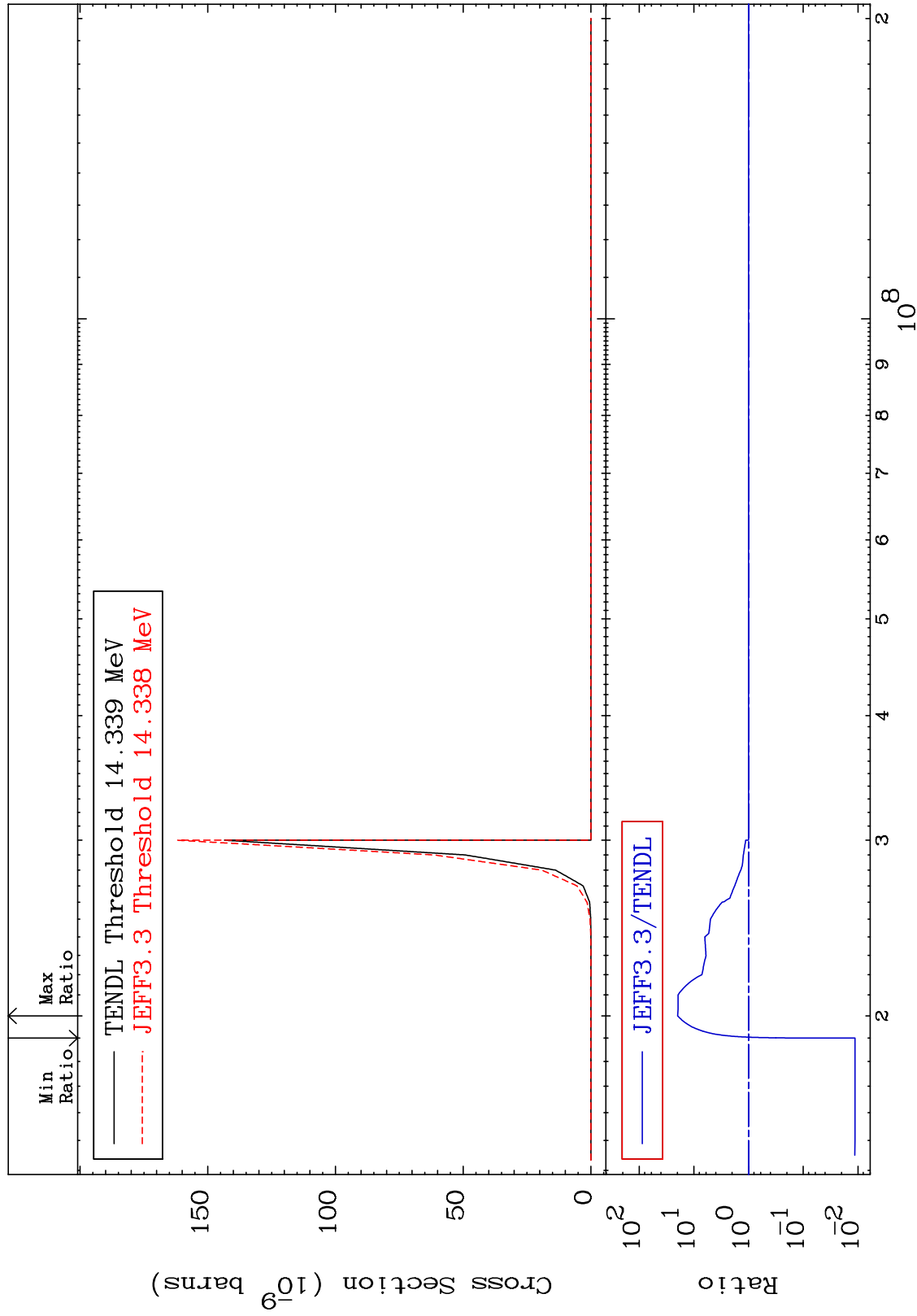
MAT 3637

(n,d)  $\alpha$

36-Kr-82

Cross Section

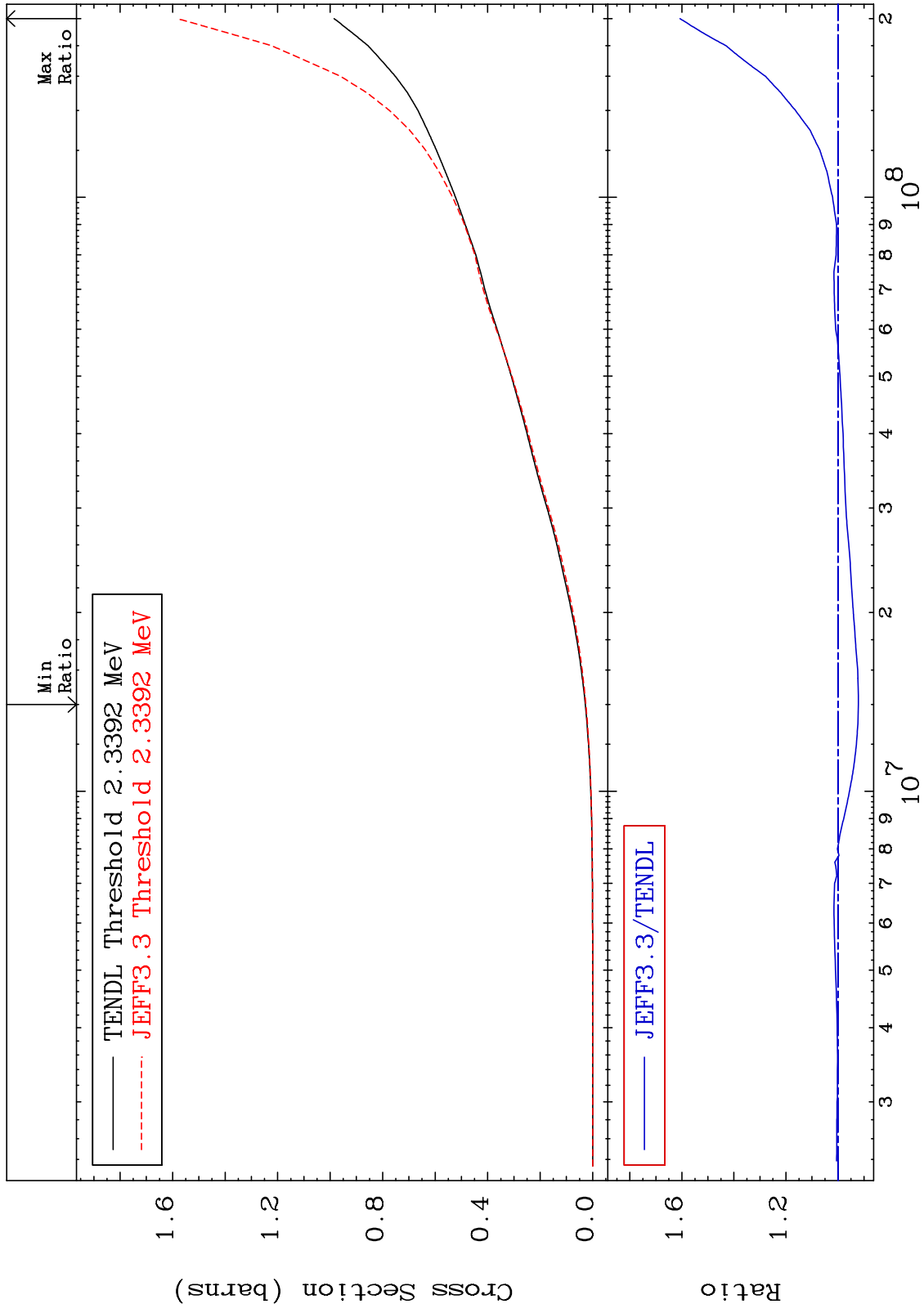
-98.87 To 1883. %



MAT 3637

Hydrogen Production  
Cross Section

36-Kr-82  
-7.848 To 60.72 %



62

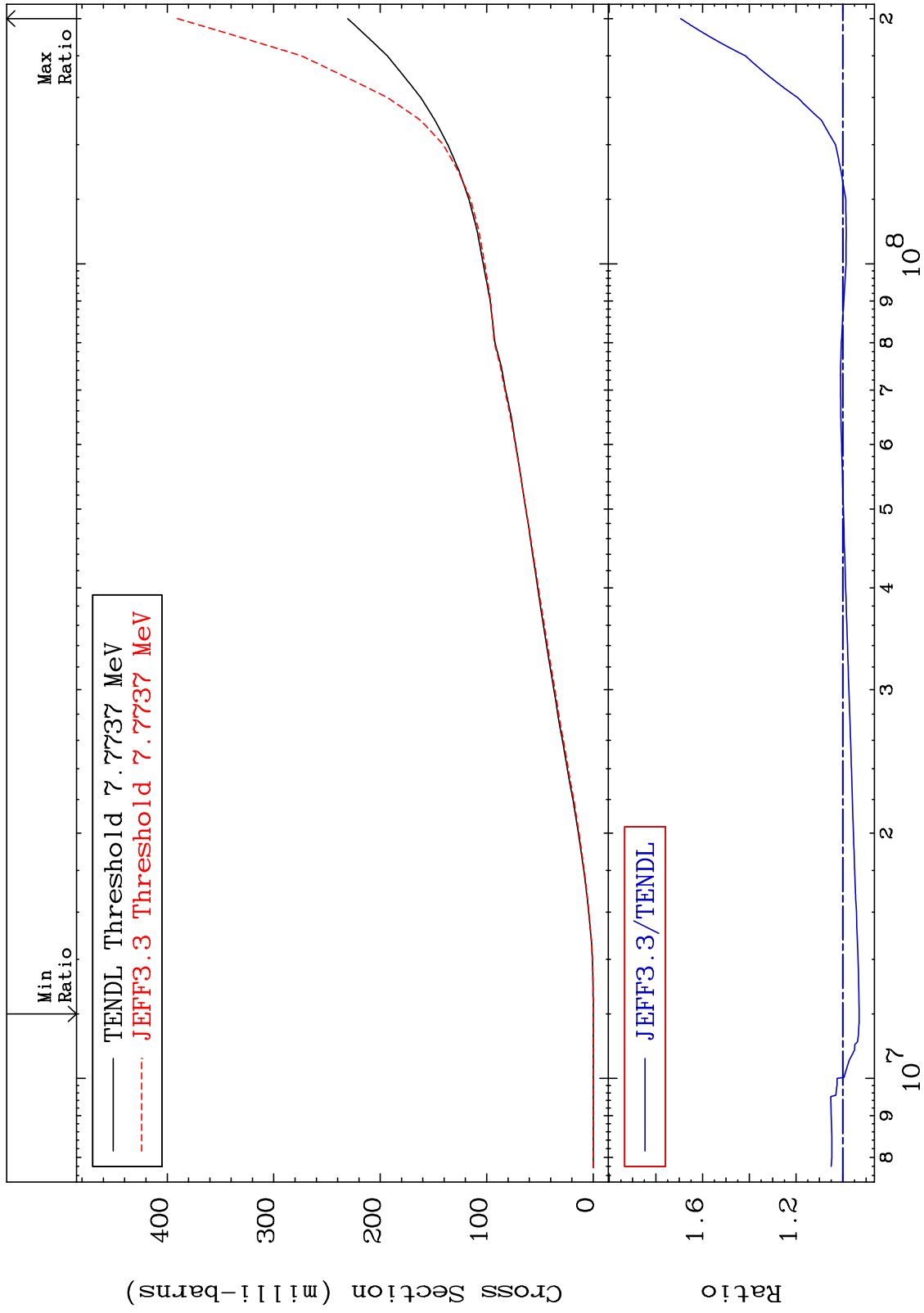
Incident Energy (eV)

36-Kr-82

MAT 3637

Deuterium Production  
Cross Section

36-Kr-82  
-7.018 To 69.42 %



63

Incident Energy (eV)

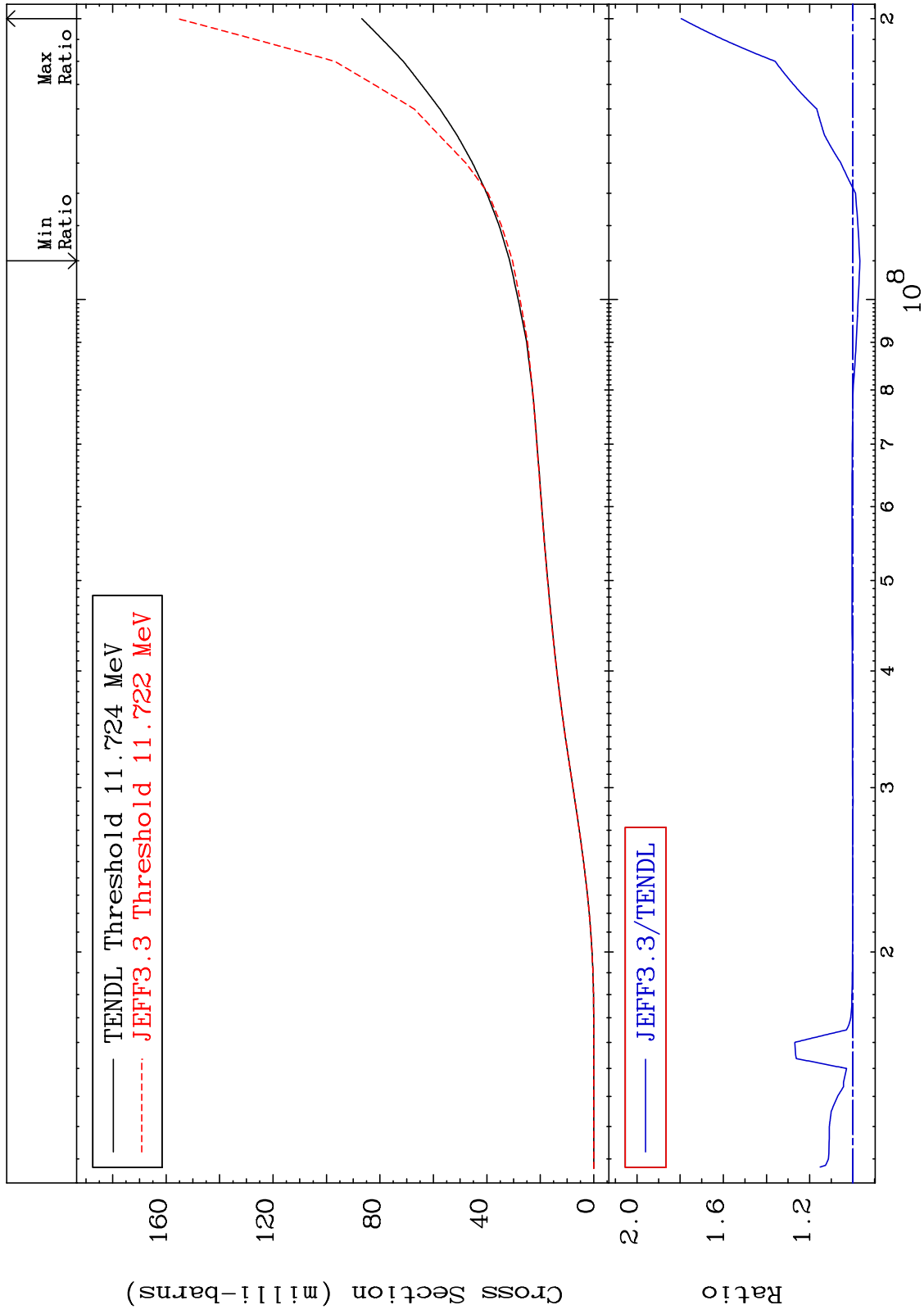
36-Kr-82



MAT 3637

Tritium Production  
Cross Section

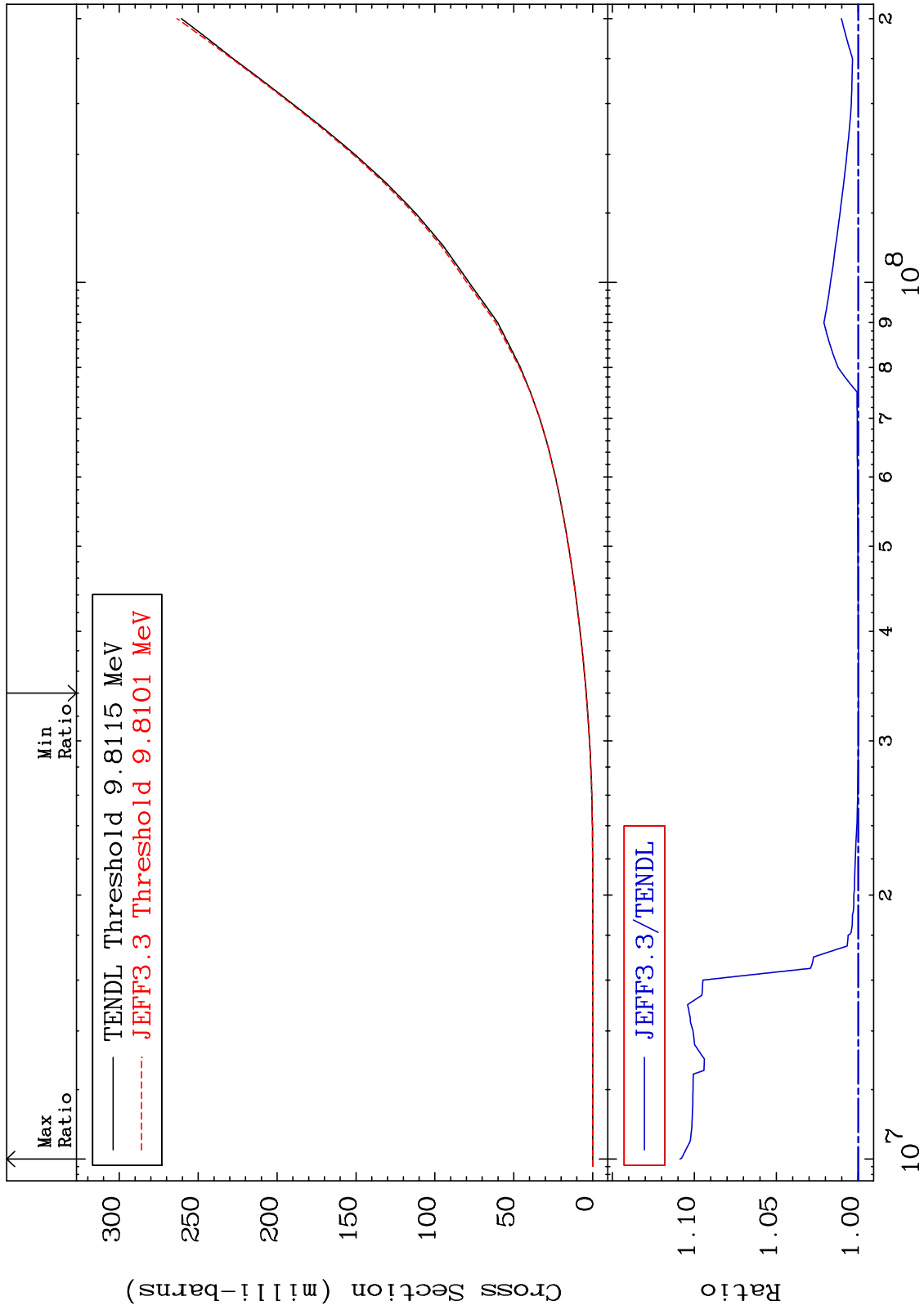
36-Kr-82  
-3.273 To 79.51 %



MAT 3637

He-3 Production  
Cross Section

36-Kr-82  
-0.010 To 10.87 %



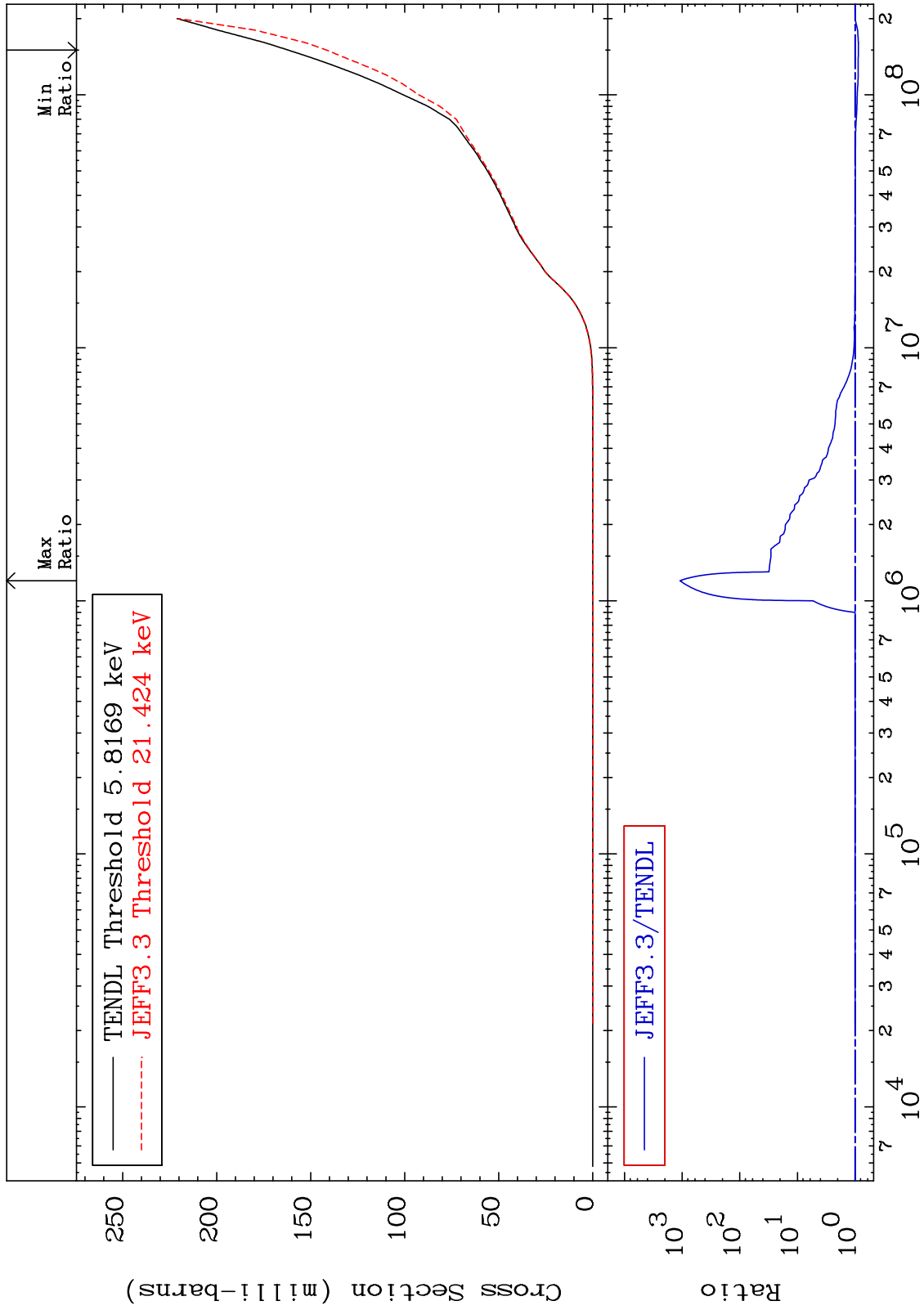
65

36-Kr-82

MAT 3637

He-4 Production  
Cross Section

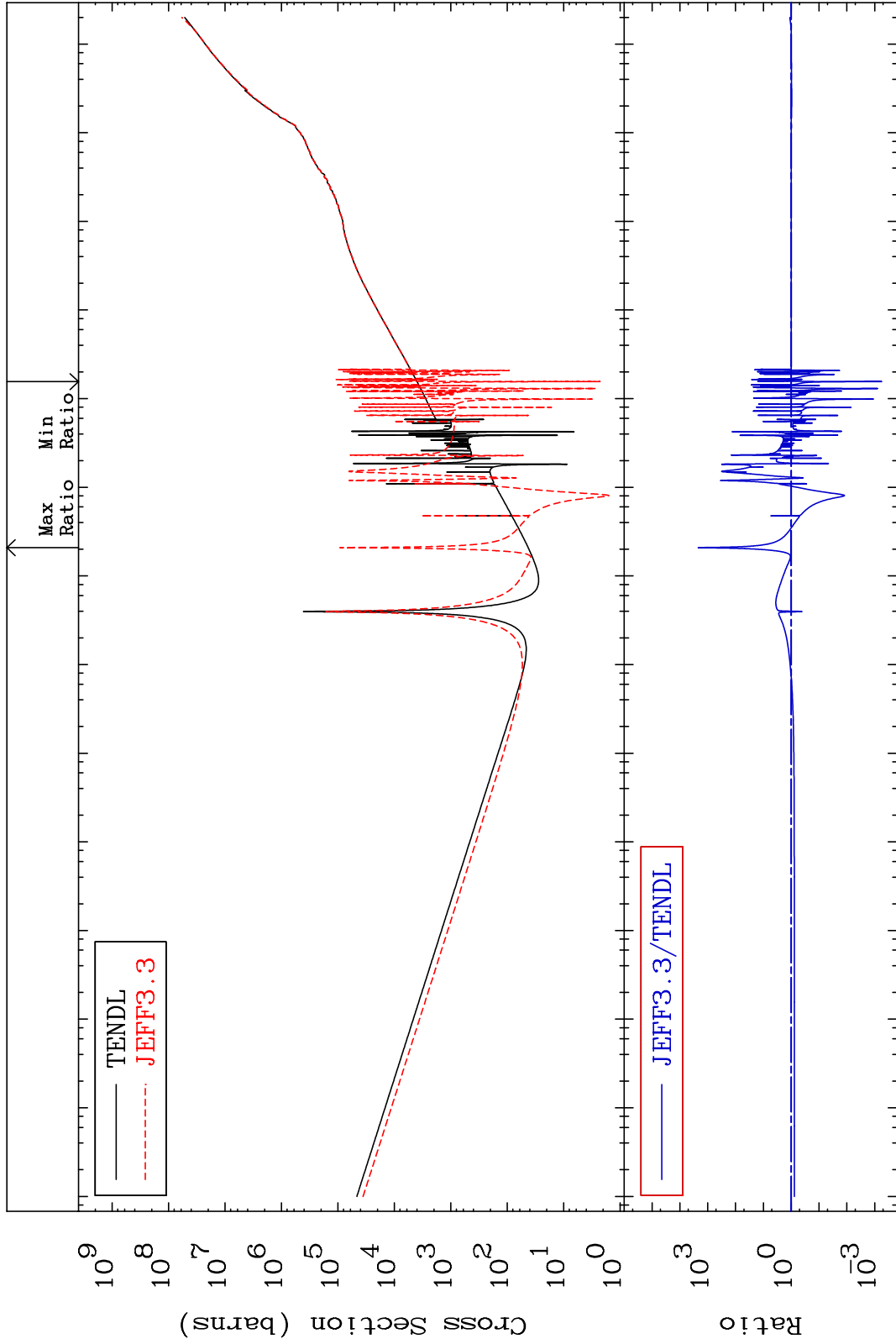
36-Kr-82  
-12.60 To 9999. %



MAT 3637

Kerma total (eV-barns)  
Cross Section

36-Kr-82  
-99.94 To 9999. %



67

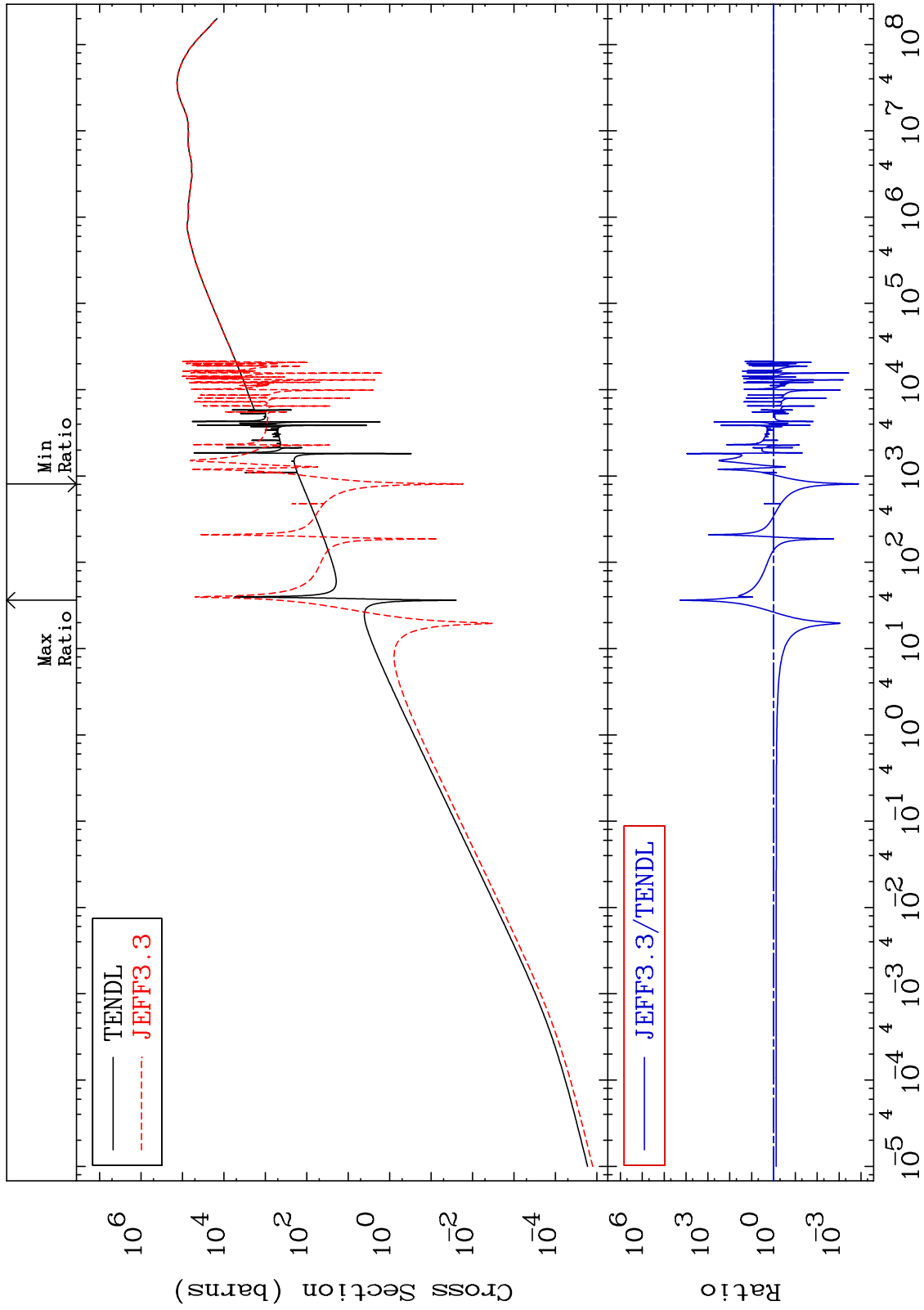
Incident Energy (eV)

36-Kr-82

MAT 3637

Kerma elastic  
Cross Section

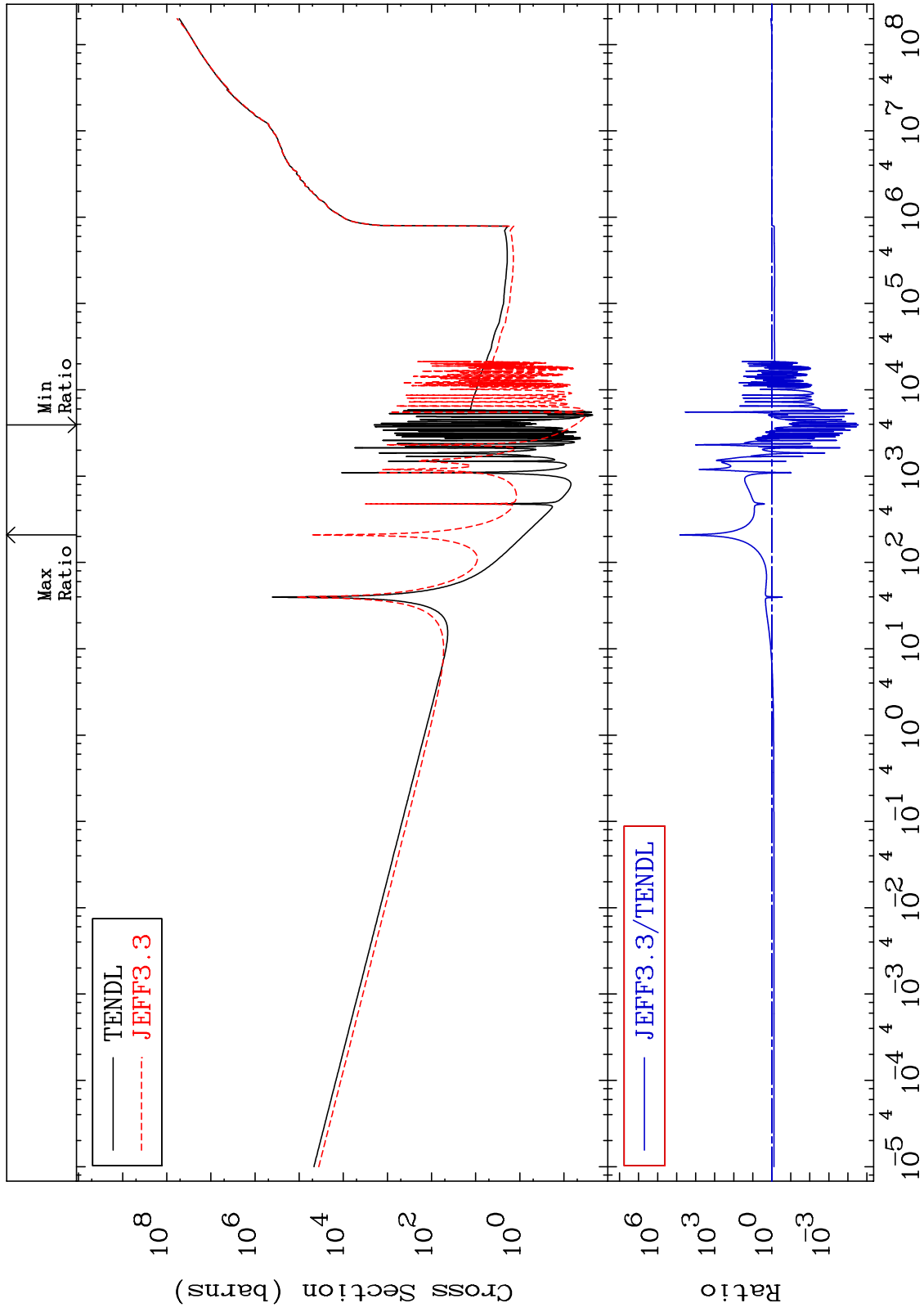
36-Kr-82  
-99.99 To 9999. %



MAT 3637

Kerma non-elastic (all but mt2)  
Cross Section

36-Kr-82  
-100.0 To 9999. %



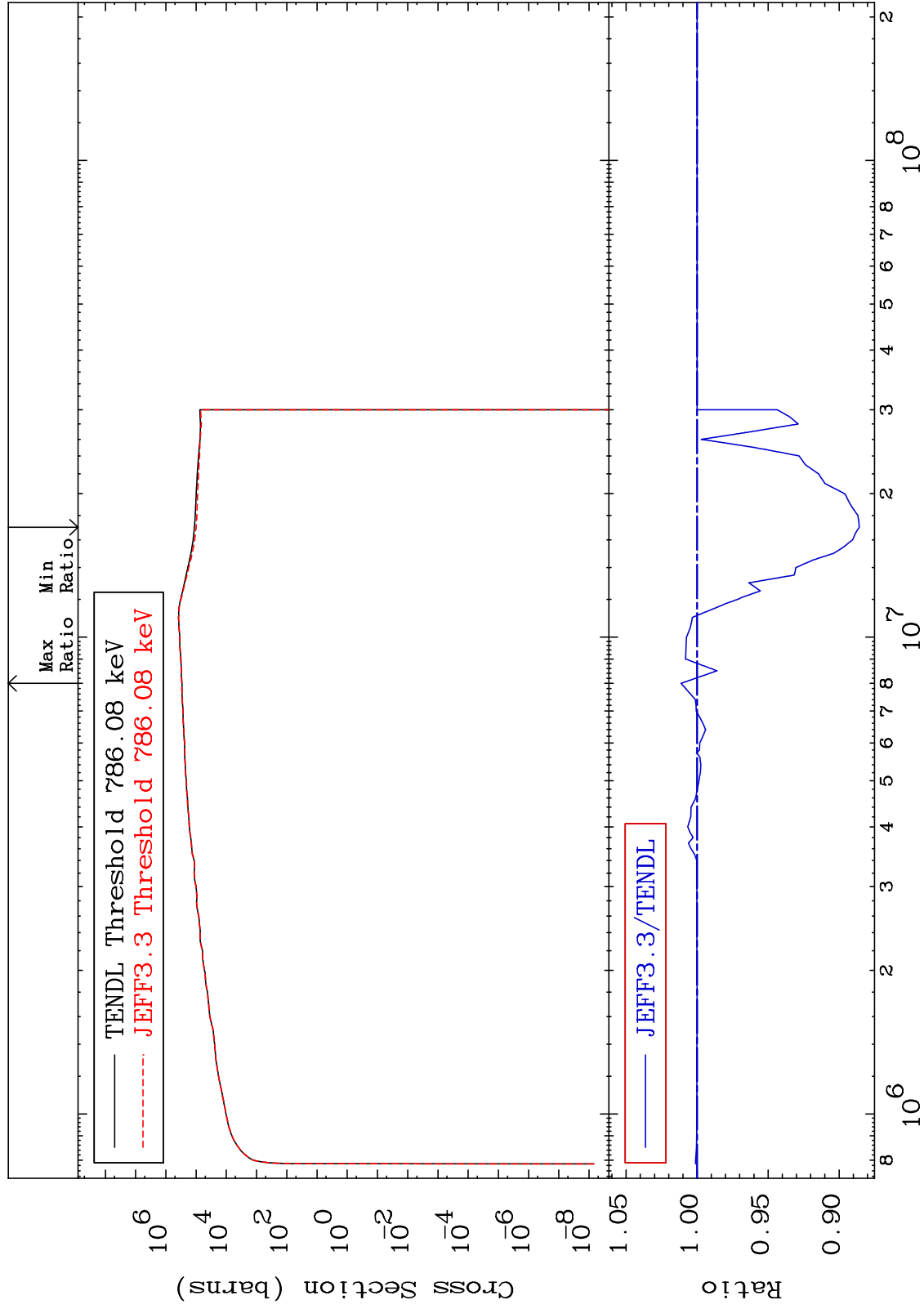
MAT 3637

Kerma inelastic (mt51-91)

<sup>36</sup>Kr-82

-11.42 To 1.131 %

Cross Section



70

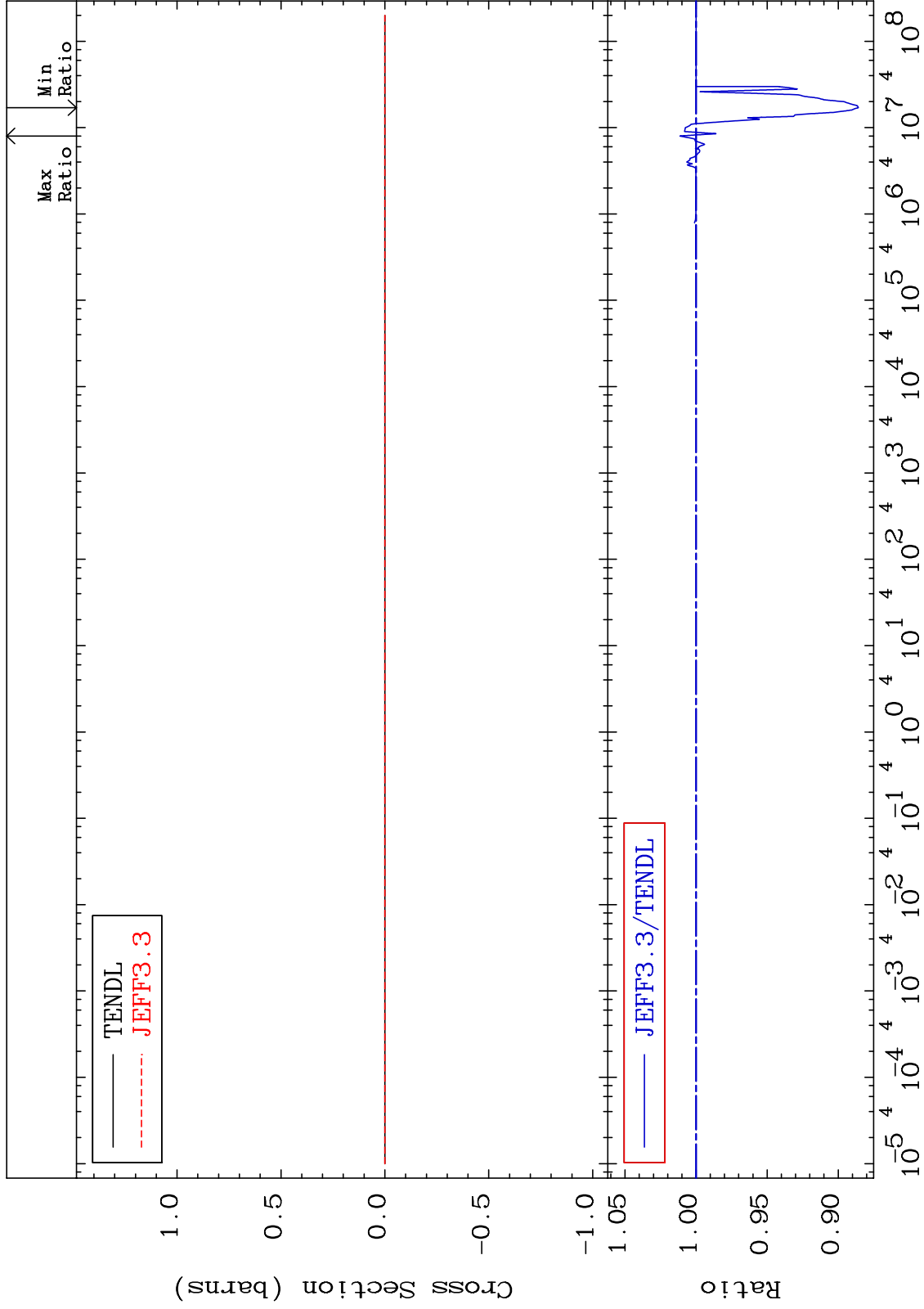
Incident Energy (eV)

<sup>36</sup>Kr-82

MAT 3637

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

36-Kr-82  
-11.42 To 1.131 %



71

Incident Energy (eV)

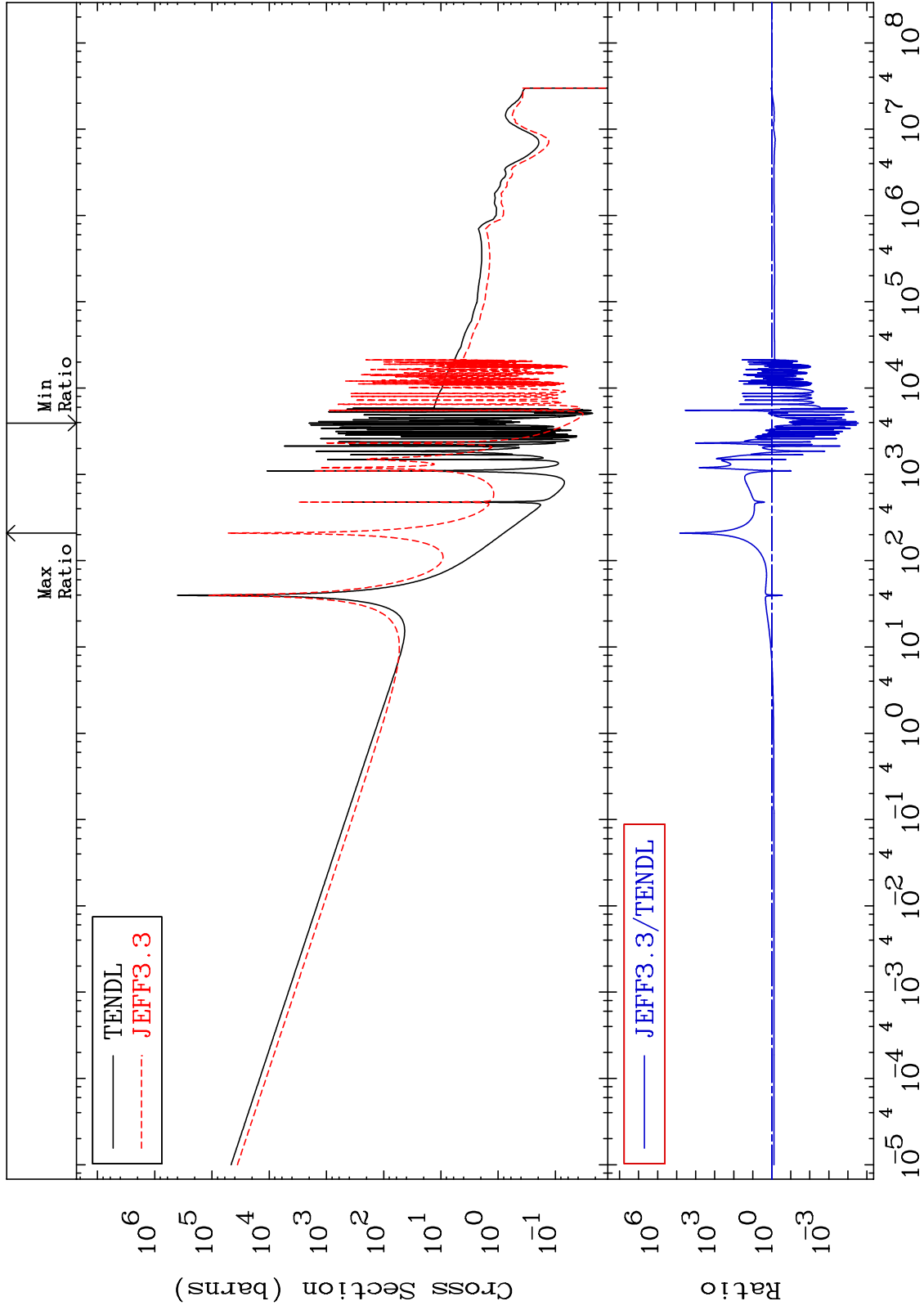
36-Kr-82



MAT 3637

Kerma capture (mt102)  
Cross Section

36-Kr-82  
-100.0 To 9999. %



72

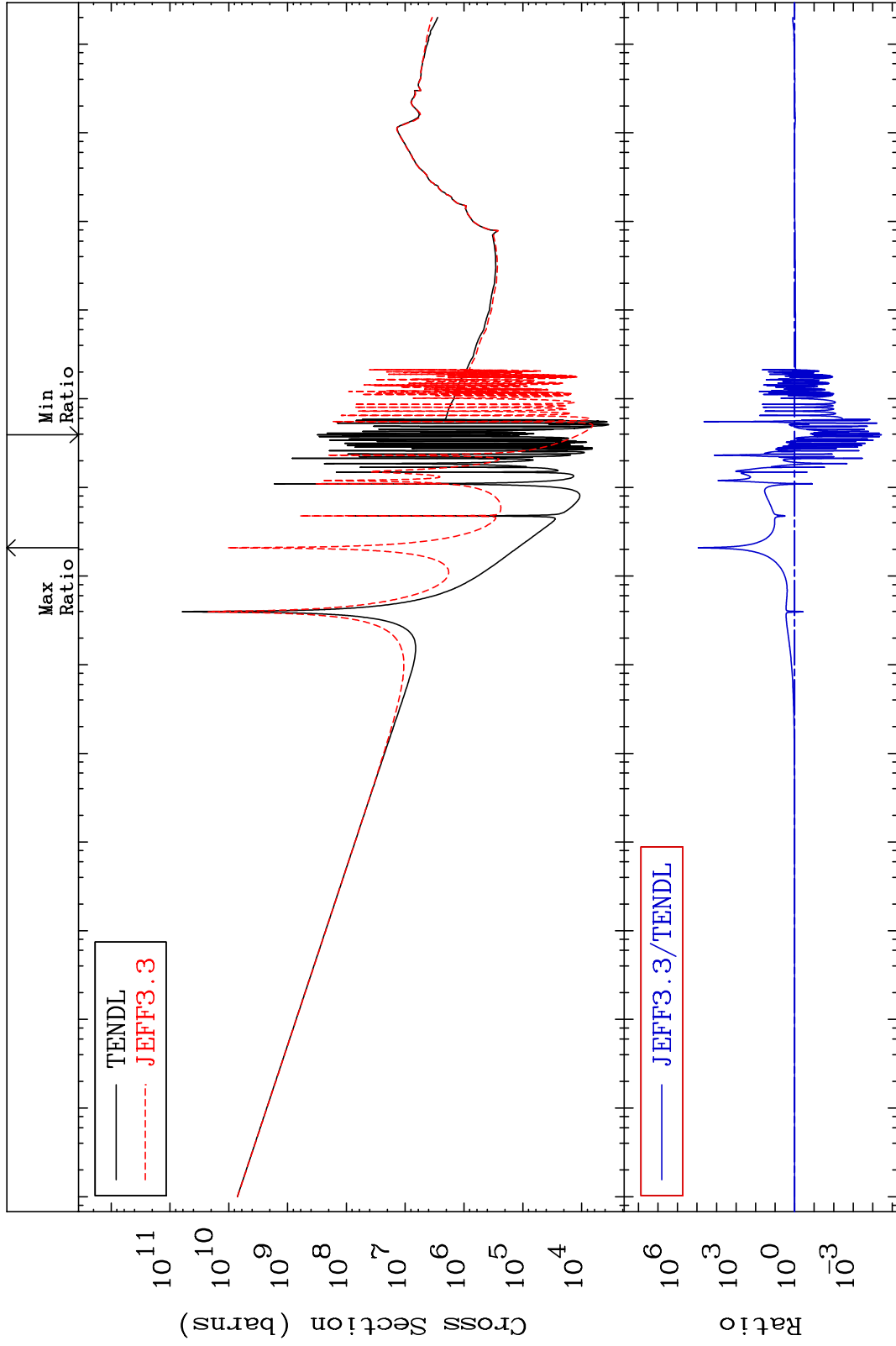
Incident Energy (eV)

36-Kr-82

MAT 3637

Total photon (eV-barns)  
Cross Section

36-Kr-82  
-100.0 To 9999. %



73

Incident Energy (eV)

36-Kr-82

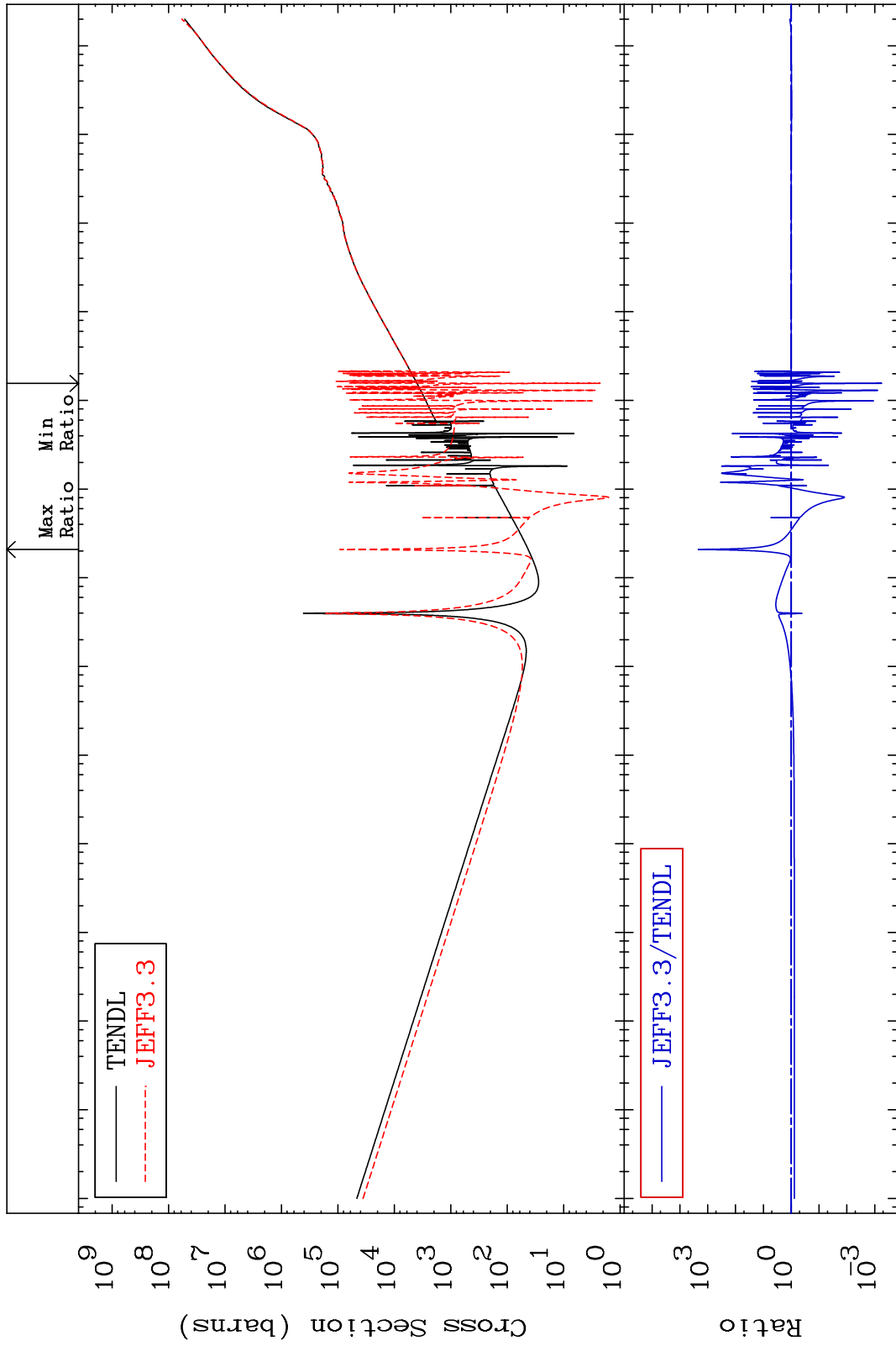
MAT 3637

Total kinematic kerma (high limit)

36-Kr-82

-99.94 To 9999. %

Cross Section



74

Incident Energy (eV)

36-Kr-82

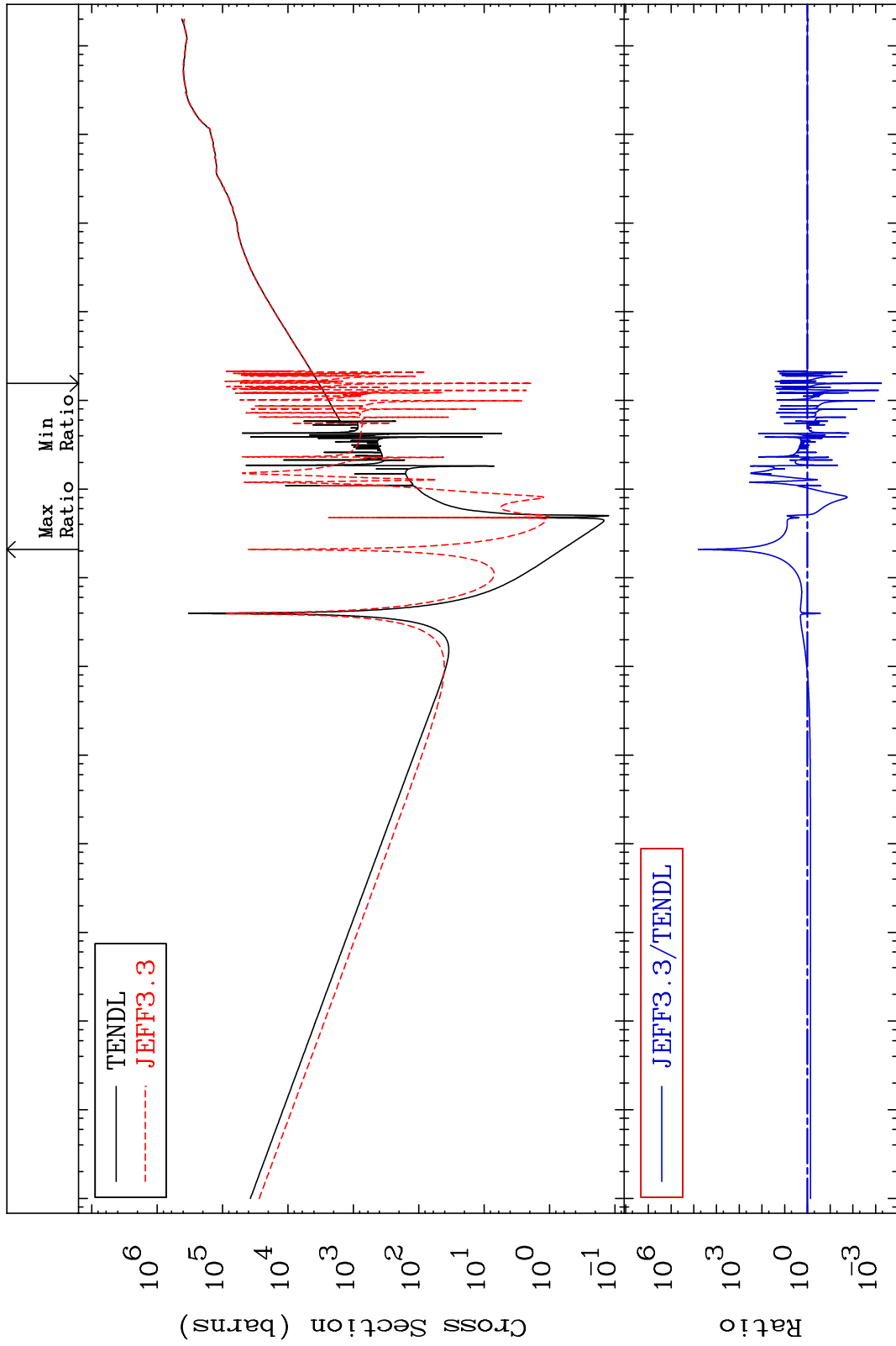
MAT 3637

Dpa total (eV-barns)

36-Kr-82

-99.95 To 9999. %

Cross Section



75

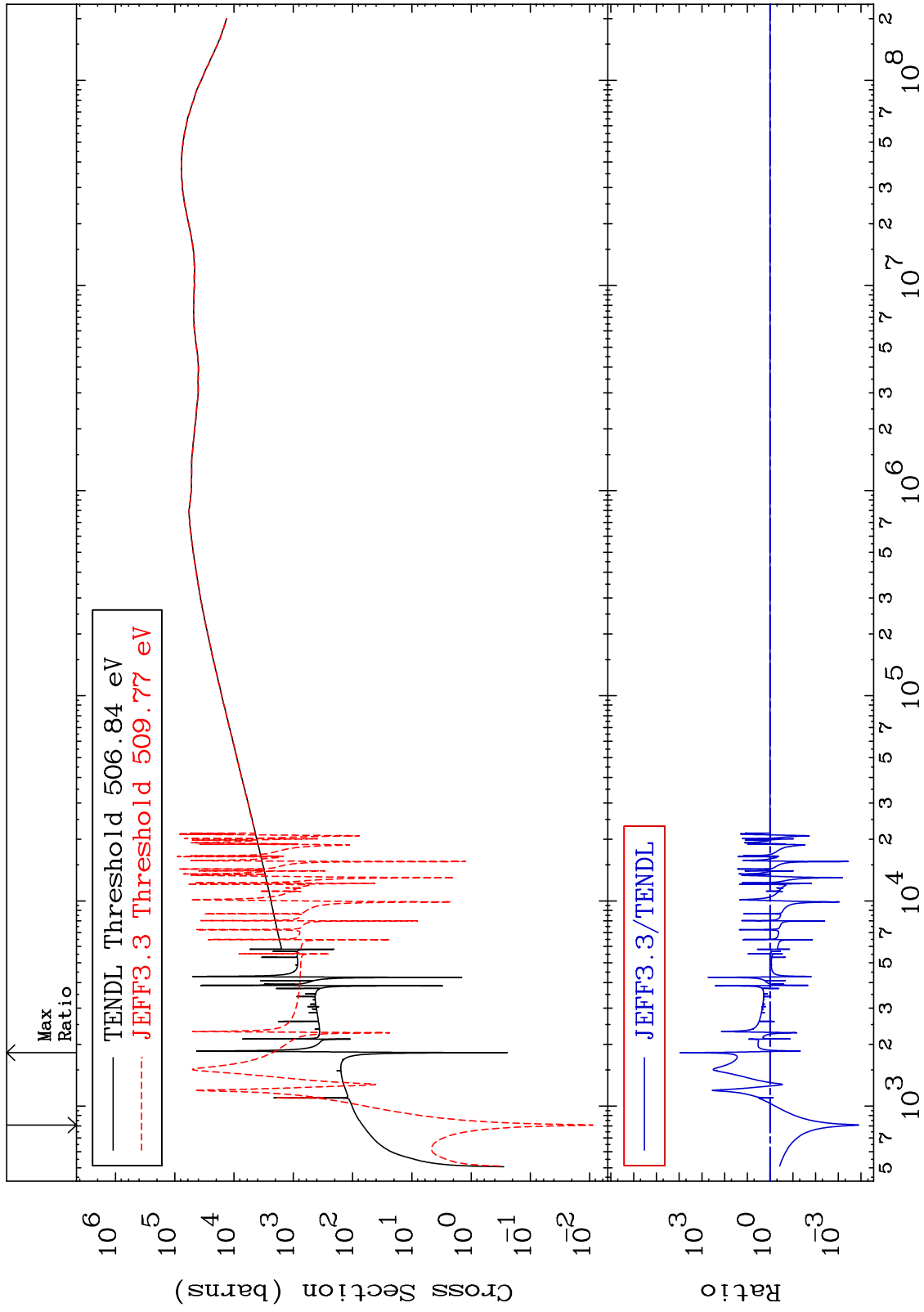
Incident Energy (eV)

36-Kr-82

MAT 3637

Dpa elastic (mt2)  
Cross Section

36-Kr-82  
-99.99 To 9999. %



76

36-Kr-82

36-Kr-82

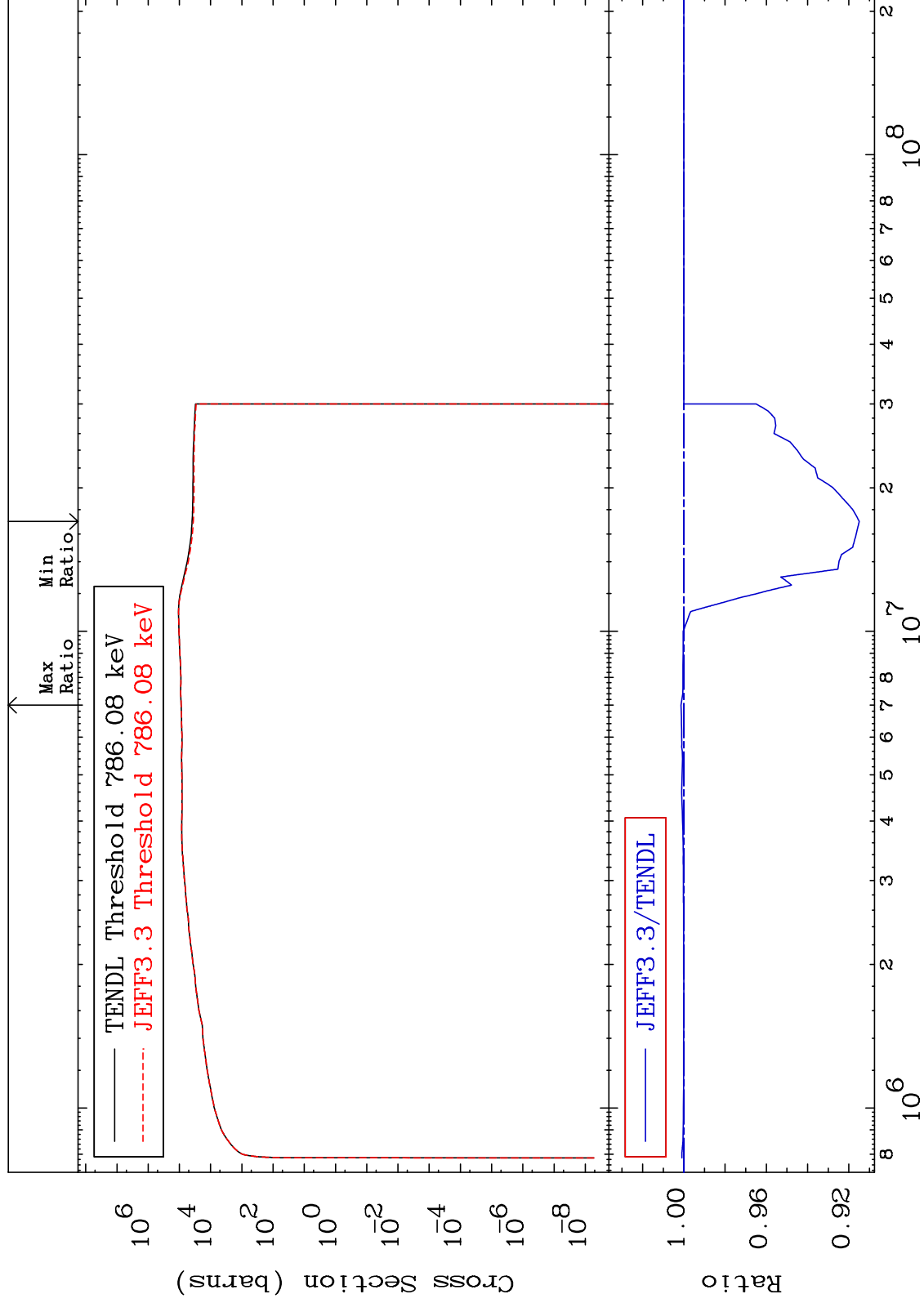
MAT 3637

Dpa inelastic (mt51-91)

36-Kr-82

-8.507 To 0.136 %

Cross Section



77

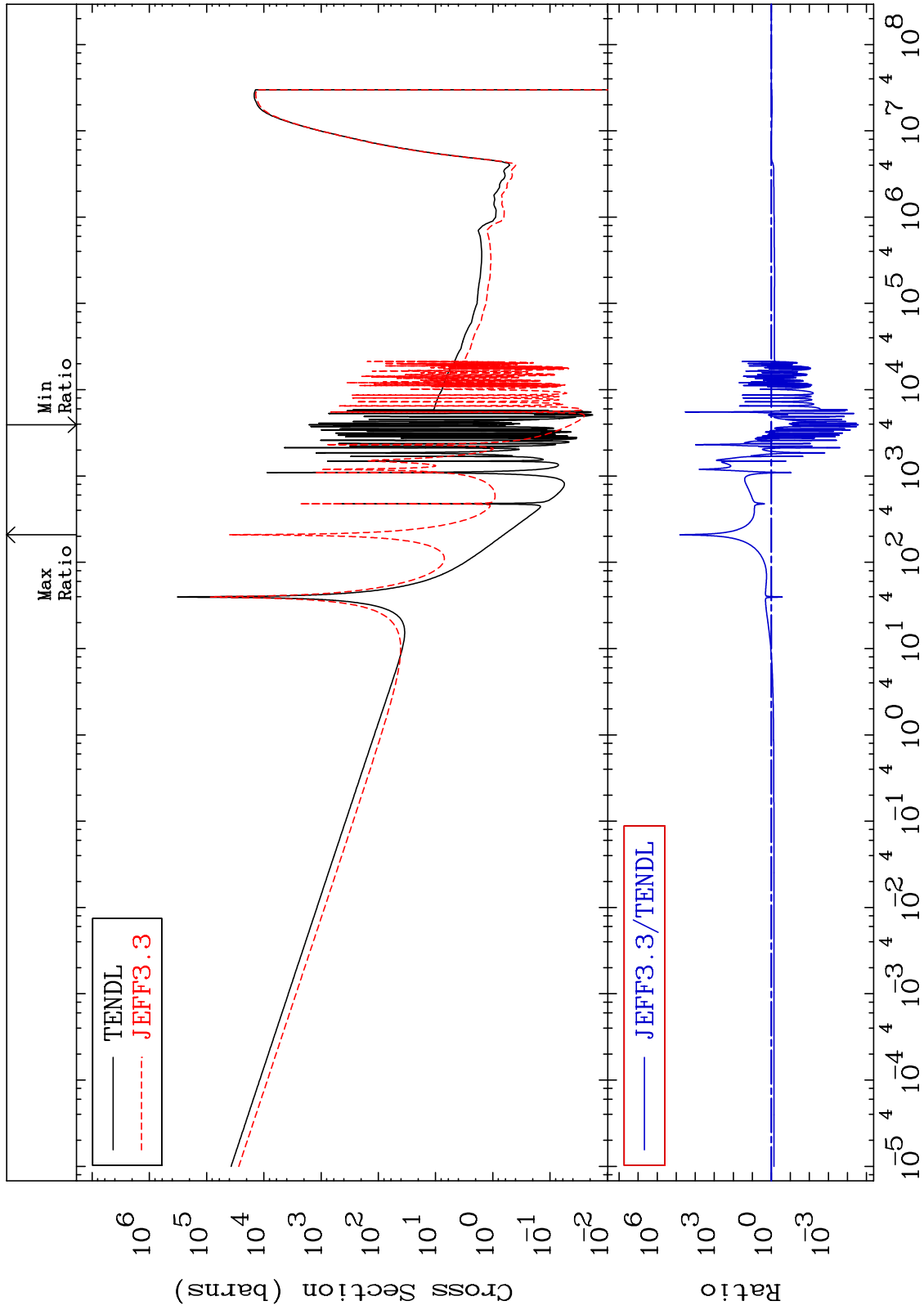
Incident Energy (eV)

36-Kr-82

MAT 3637

Dpa disappearance (mt102 -120)  
Cross Section

36-Kr-82  
-100.0 To 9999. %



78

Incident Energy (eV)

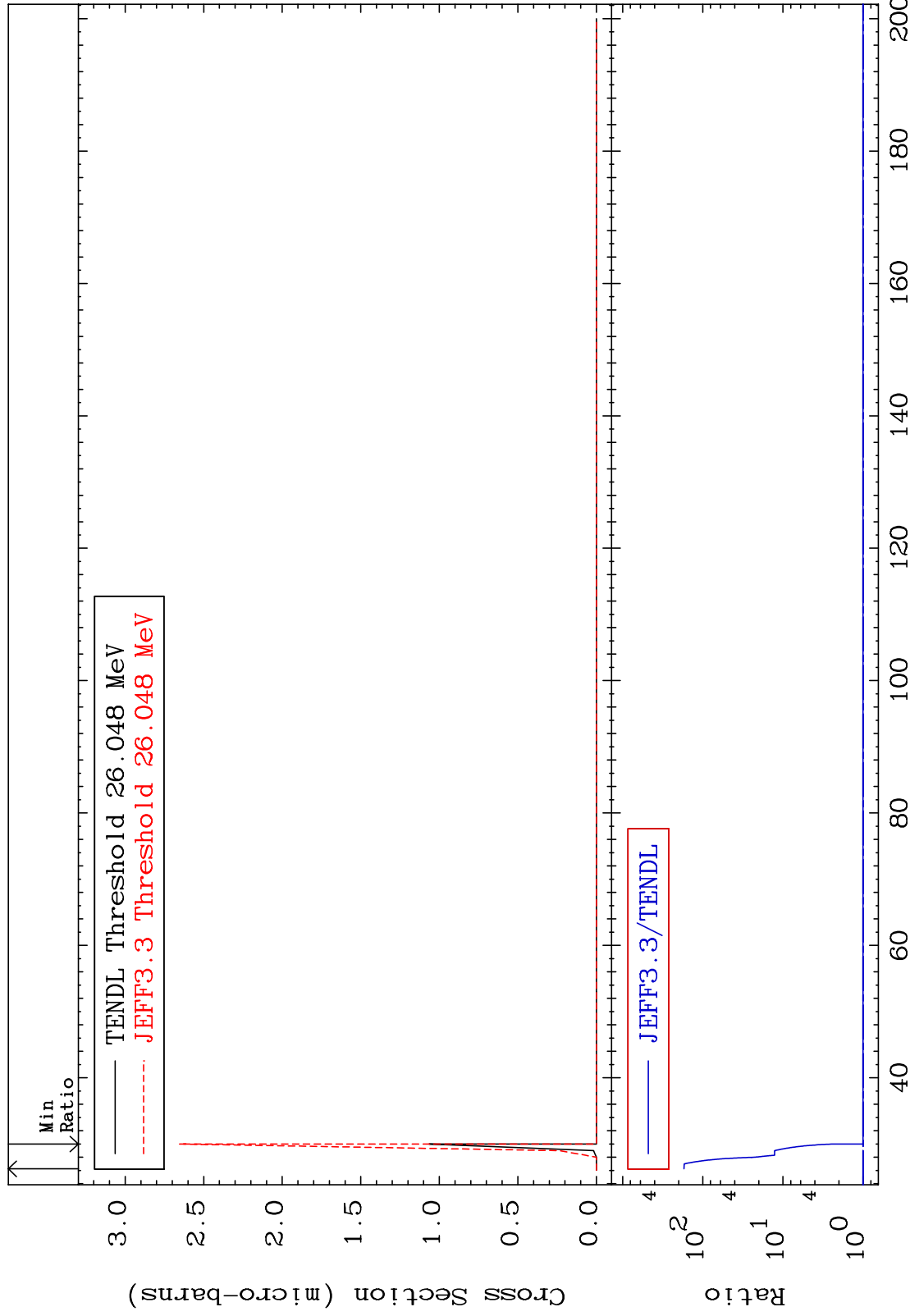
36-Kr-82

MAT 3637

(n,2n) d:35-Br-79g

36-Kr-82

Radionuclide Production Cross Section 0.000 To 9999. %



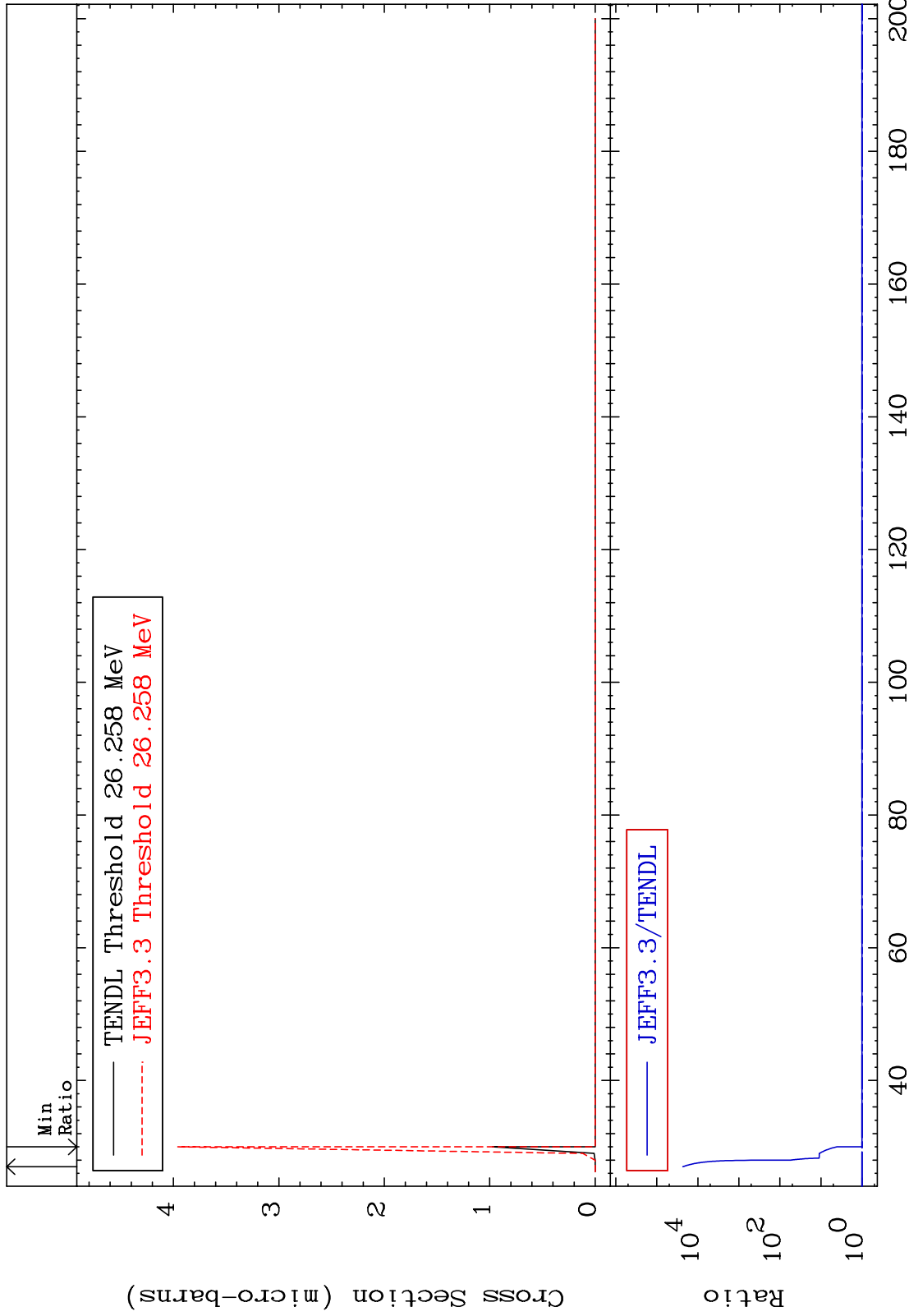


MAT 3637

(n,2n) d:35-Br-79m1

36-Kr-82

Radionuclide Production Cross Section 0.000 To 9999. %

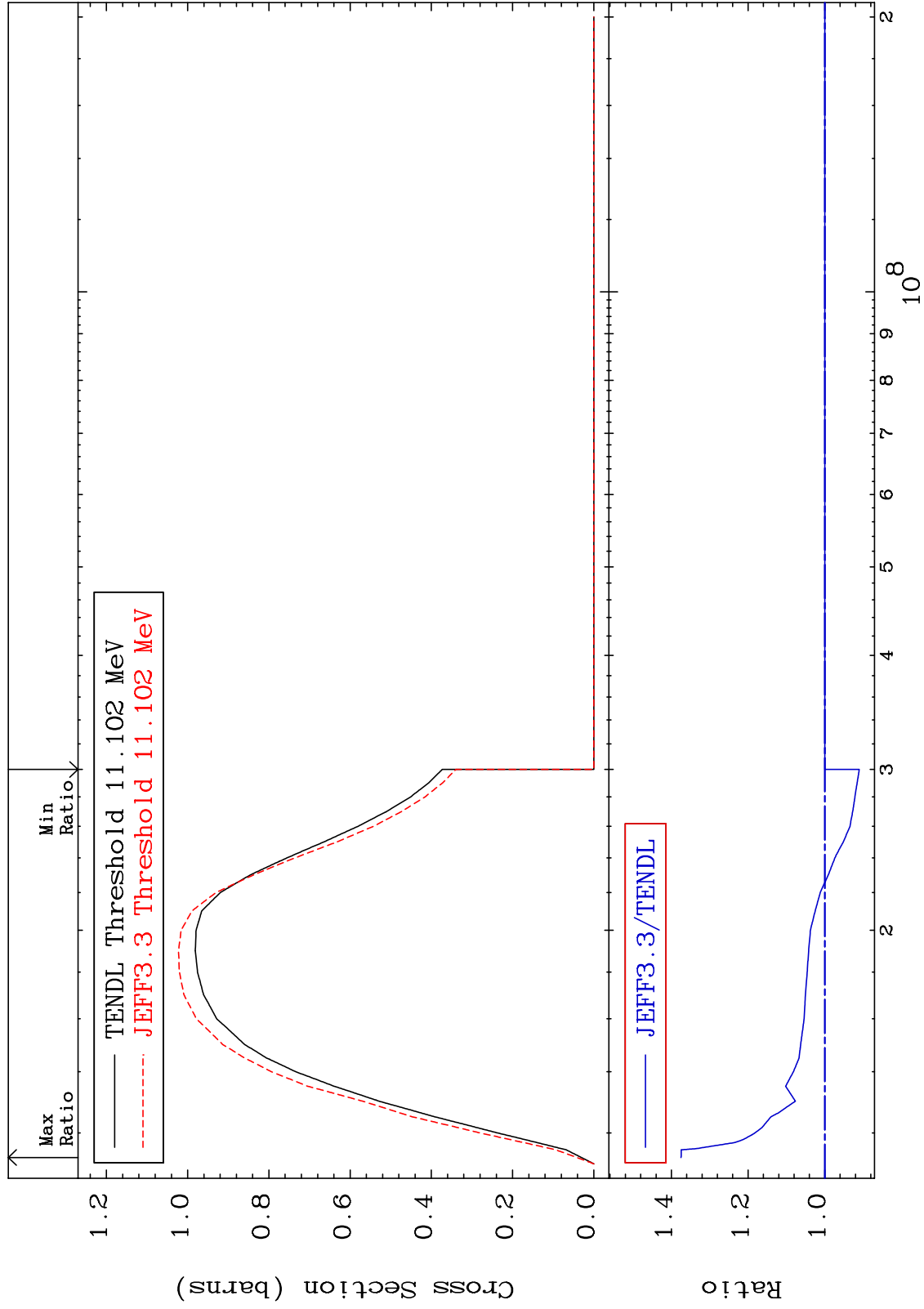


80

Incident Energy (MeV)

36-Kr-82

Radionuclide Production Cross Section -9.006 To 37.48 %

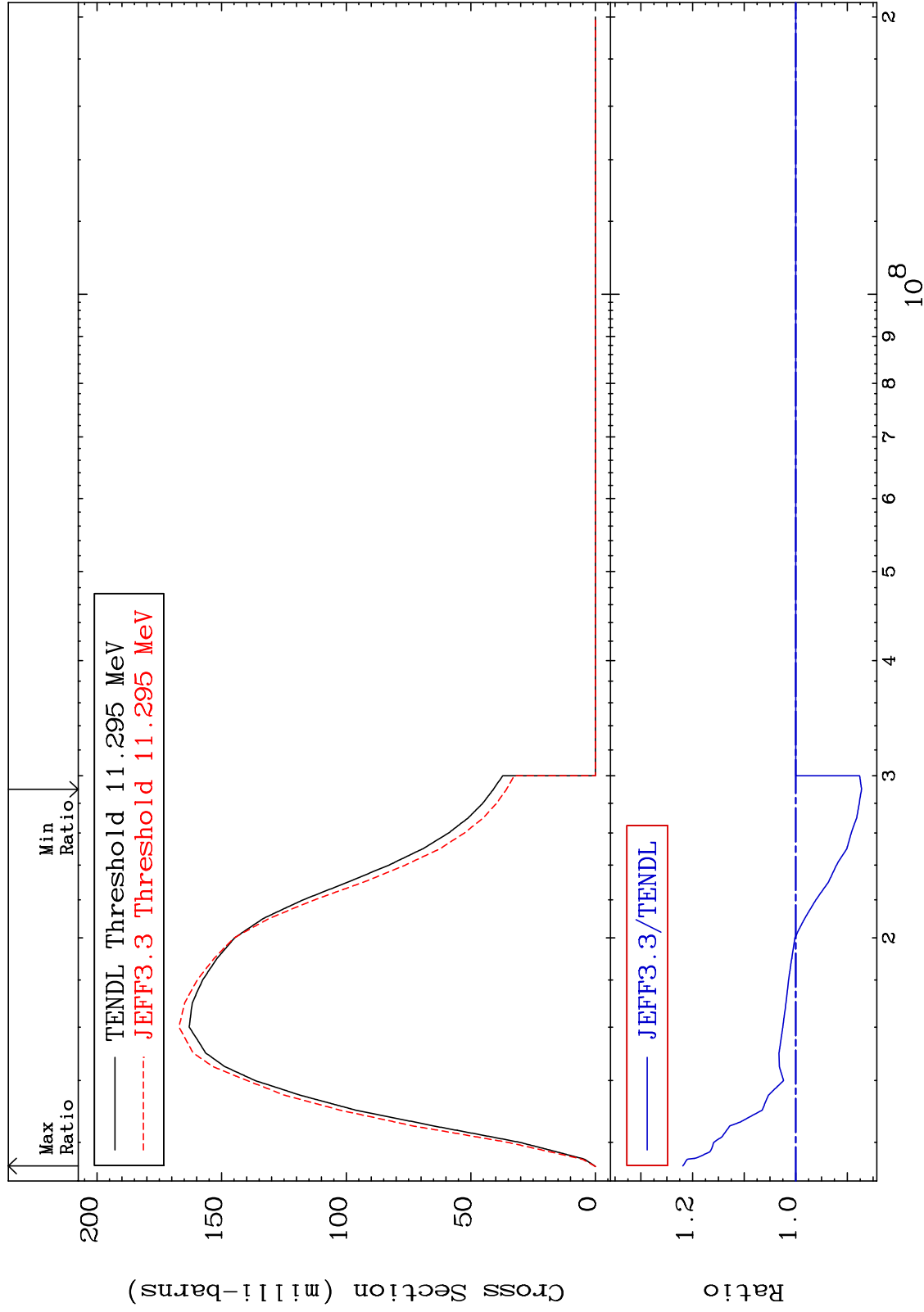


MAT 3637

(n,2n):36-Kr-81m2

36-Kr-82

Radionuclide Production Cross Section -12.76 To 21.88 %



82

Incident Energy (eV)

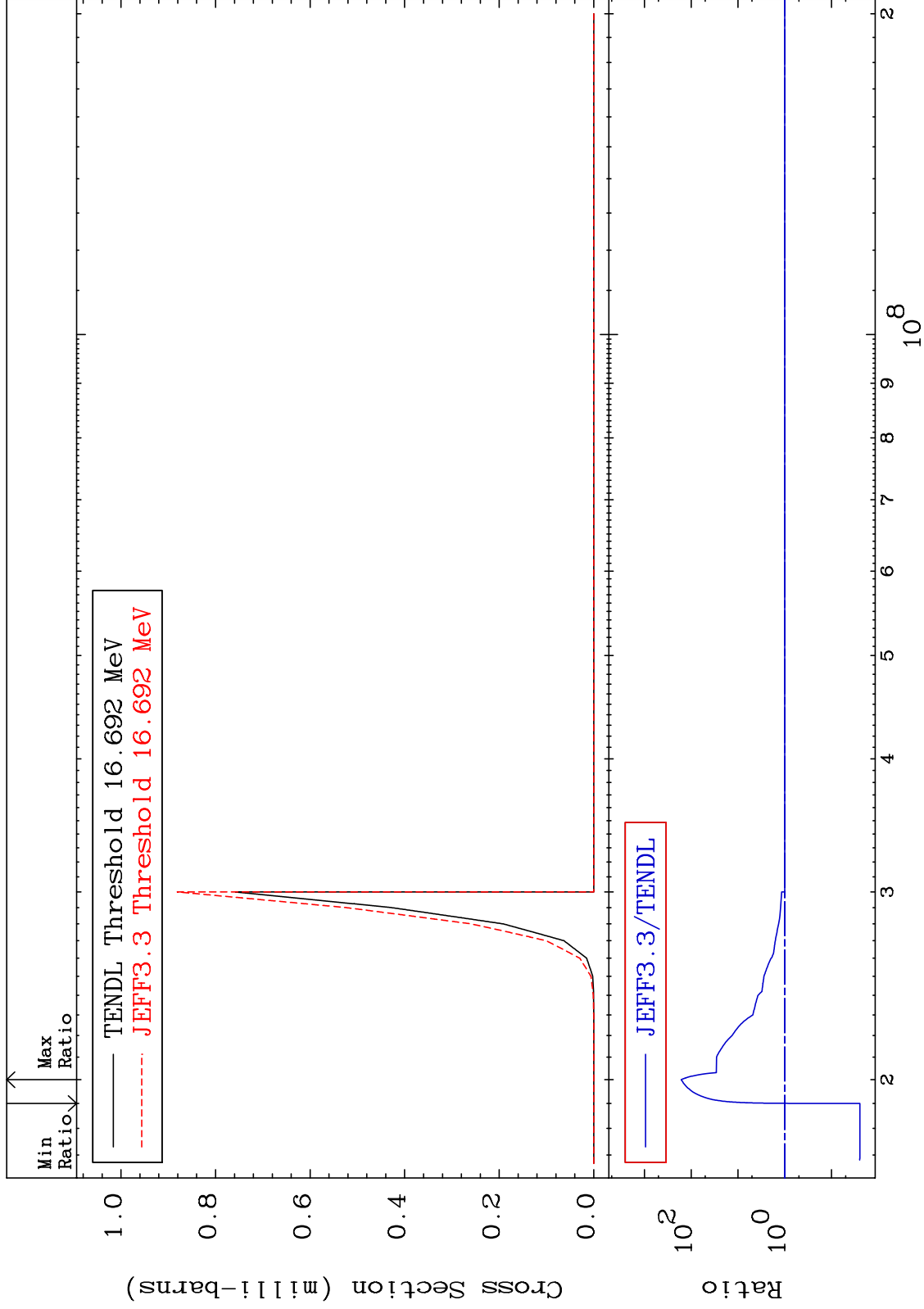
36-Kr-82

MAT 3637

(n,2n)  $\alpha$ :34-Se-77g

36-Kr-82

Radionuclide Production Cross Section -97.53 To 9999. %

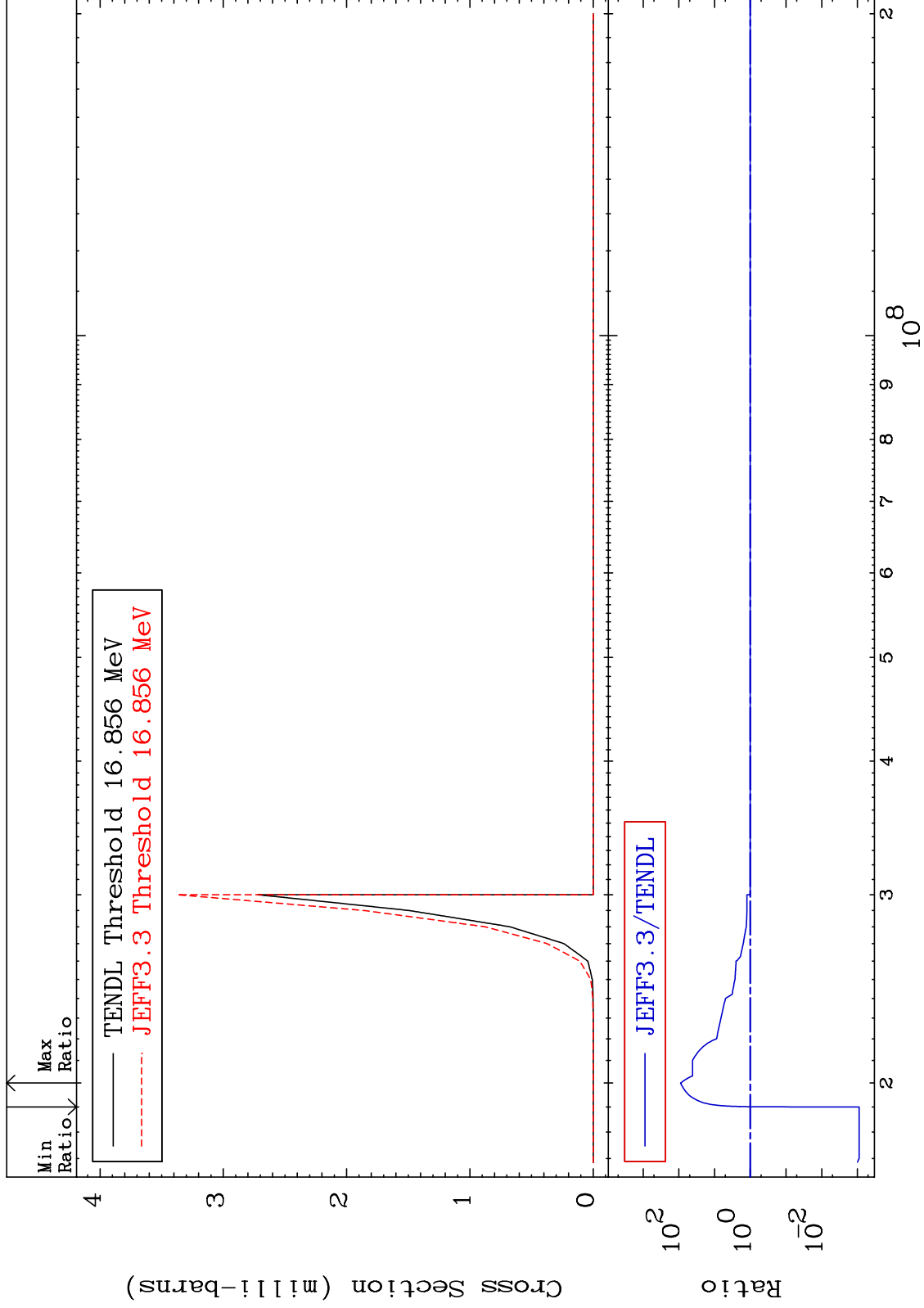


MAT 3637

(n,2n)  $\alpha$ :34-Se-77m1

36-Kr-82

Radionuclide Production Cross Section -99.91 To 8828. %

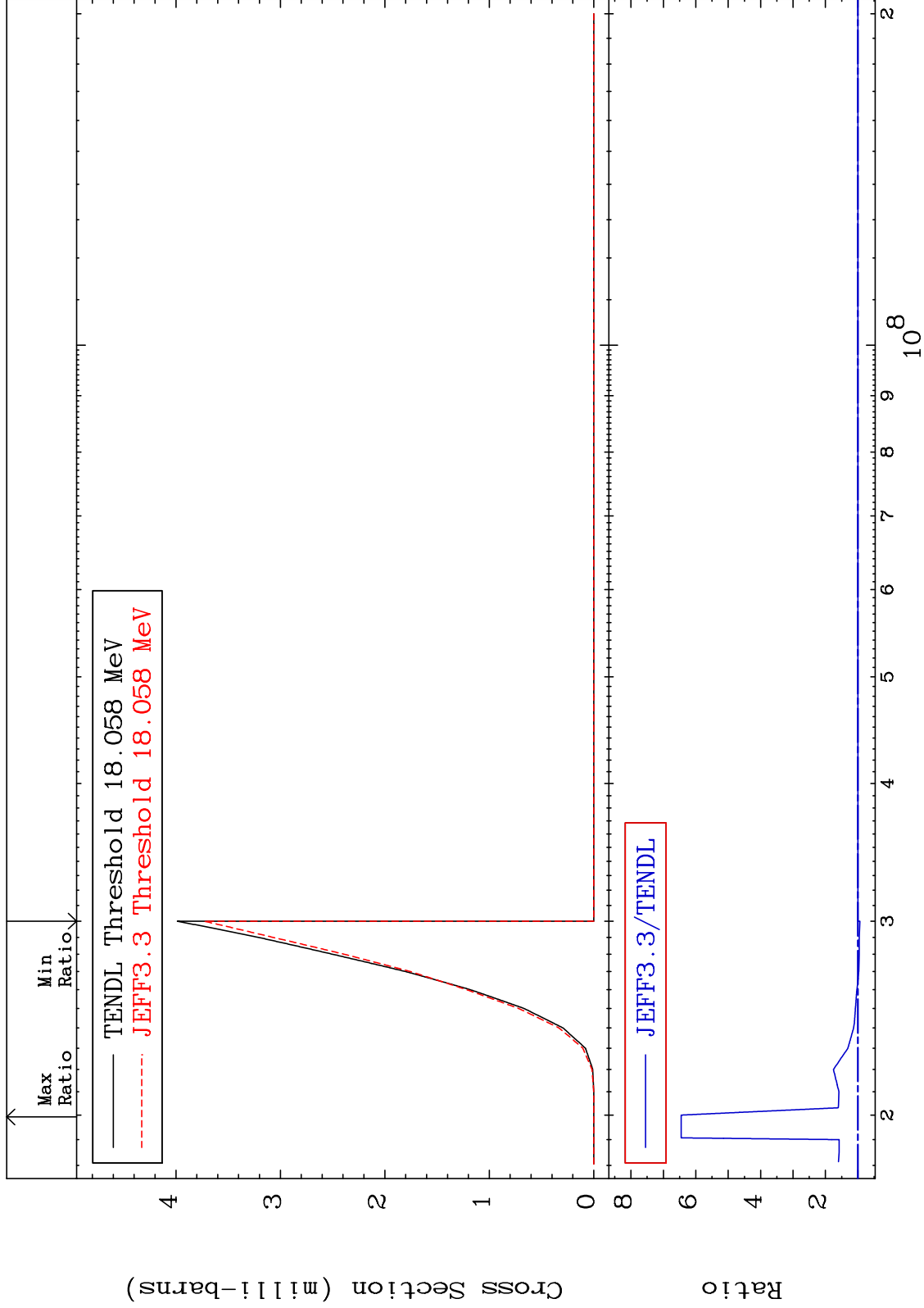


MAT 3637

(n, n') d:35-Br-80g

36-Kr-82

Radionuclide Production Cross Section -6.375 To 545.0 %



85

Incident Energy (eV)

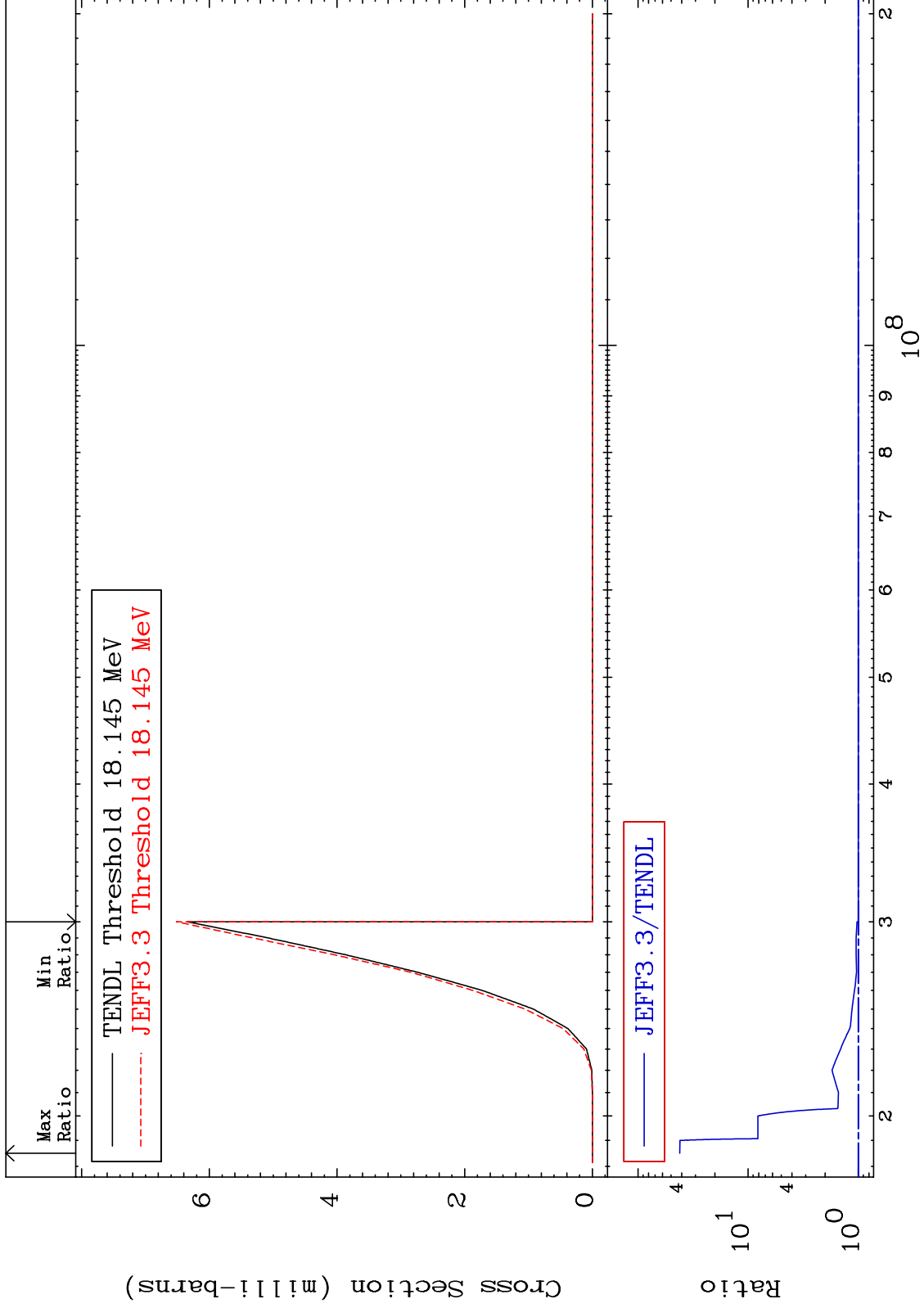
36-Kr-82

MAT 3637

(n, n') d:35-Br-80m2

36-Kr-82

Radionuclide Production Cross Section 0.000 To 4069. %

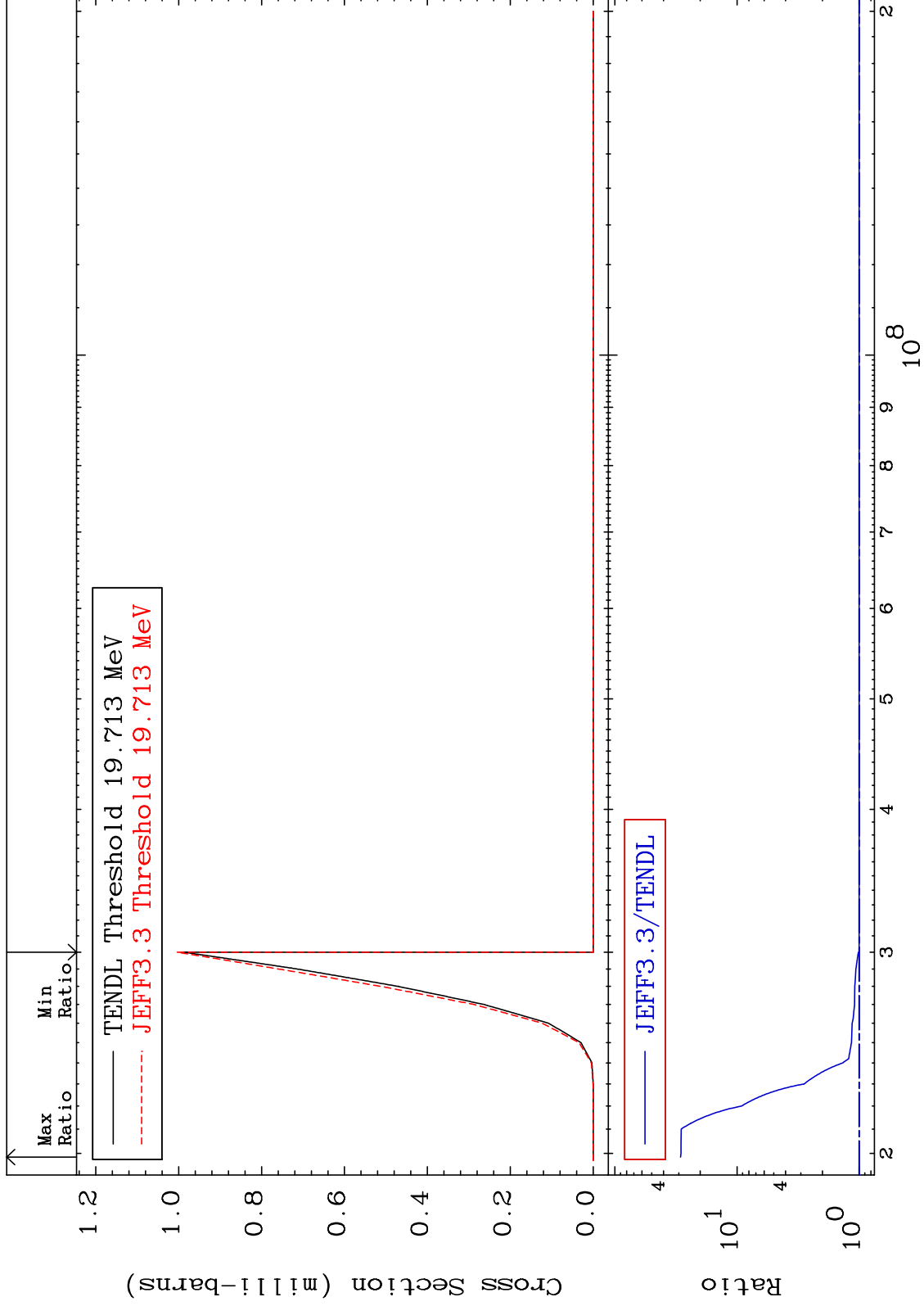


MAT 3637

(n, n') t: 35-Br-79g

36-Kr-82

Radionuclide Production Cross Section 0.000 To 2796. %



87

Incident Energy (eV)

36-Kr-82

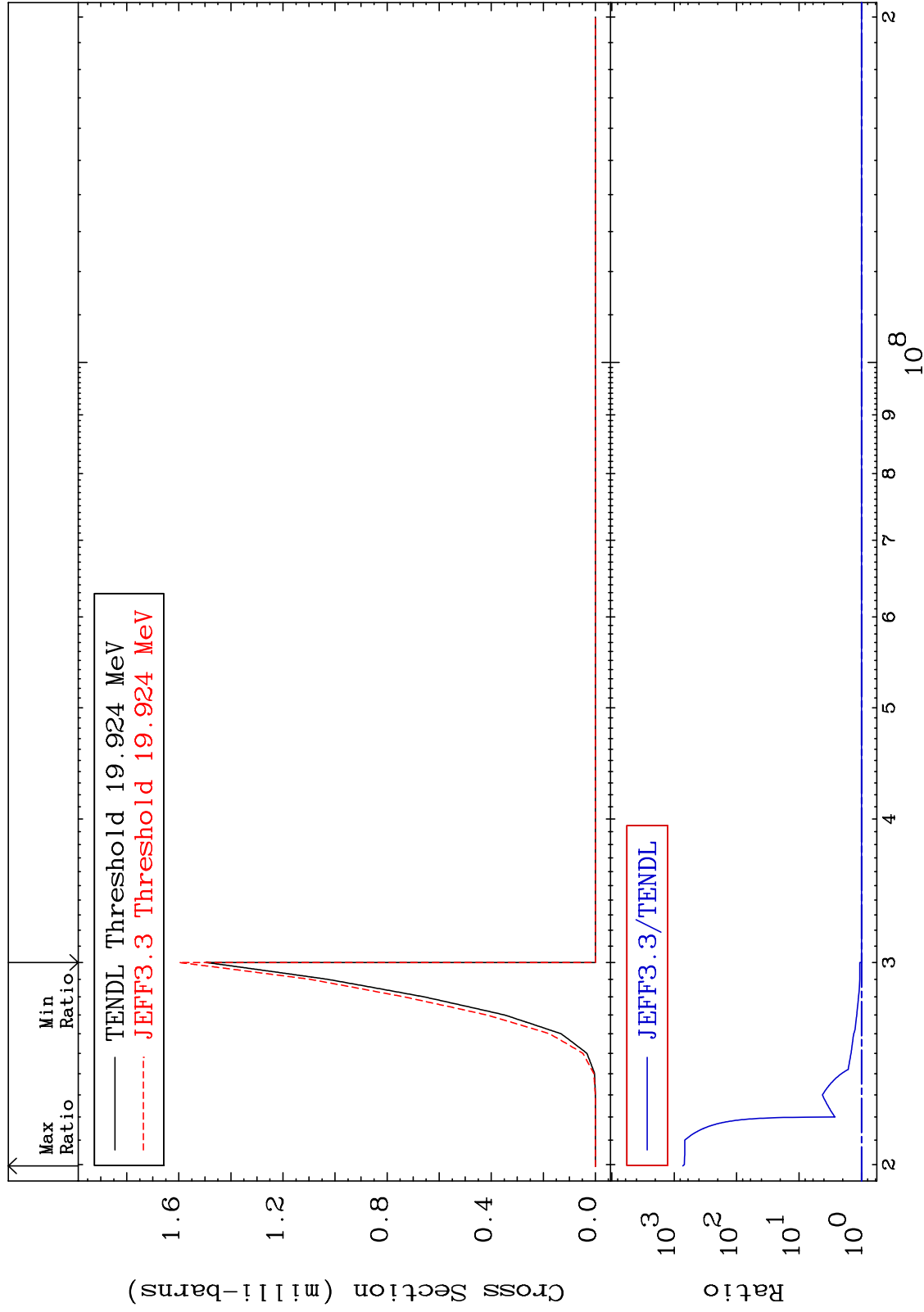


MAT 3637

(n, n') t:35-Br-79m1

36-Kr-82

Radionuclide Production Cross Section 0.000 To 9999. %

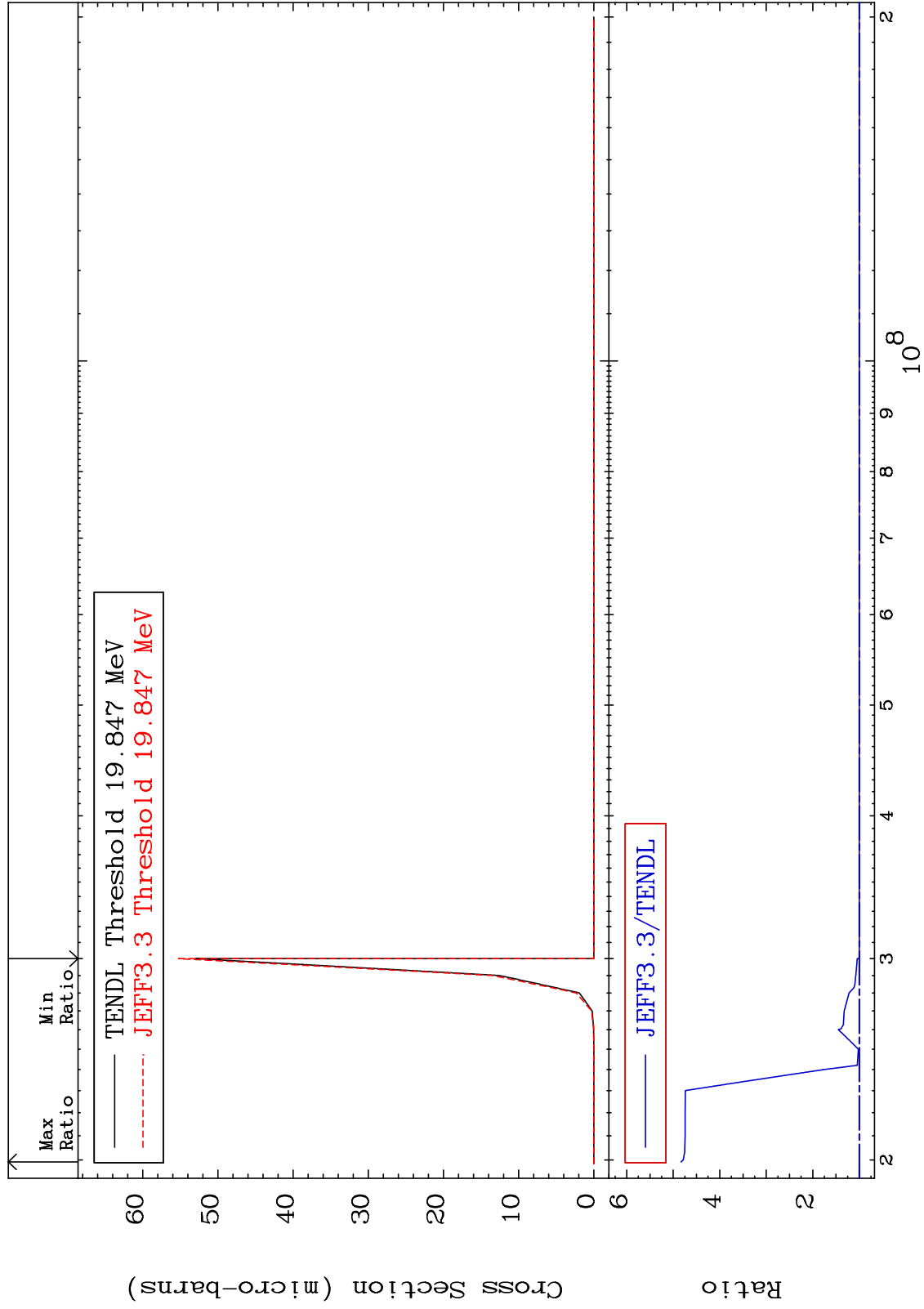


MAT 3637

36-Kr-82

(n, n') He-3:34-Se-79g

Radionuclide Production Cross Section 0.000 To 383.2 %



89

Incident Energy (eV)

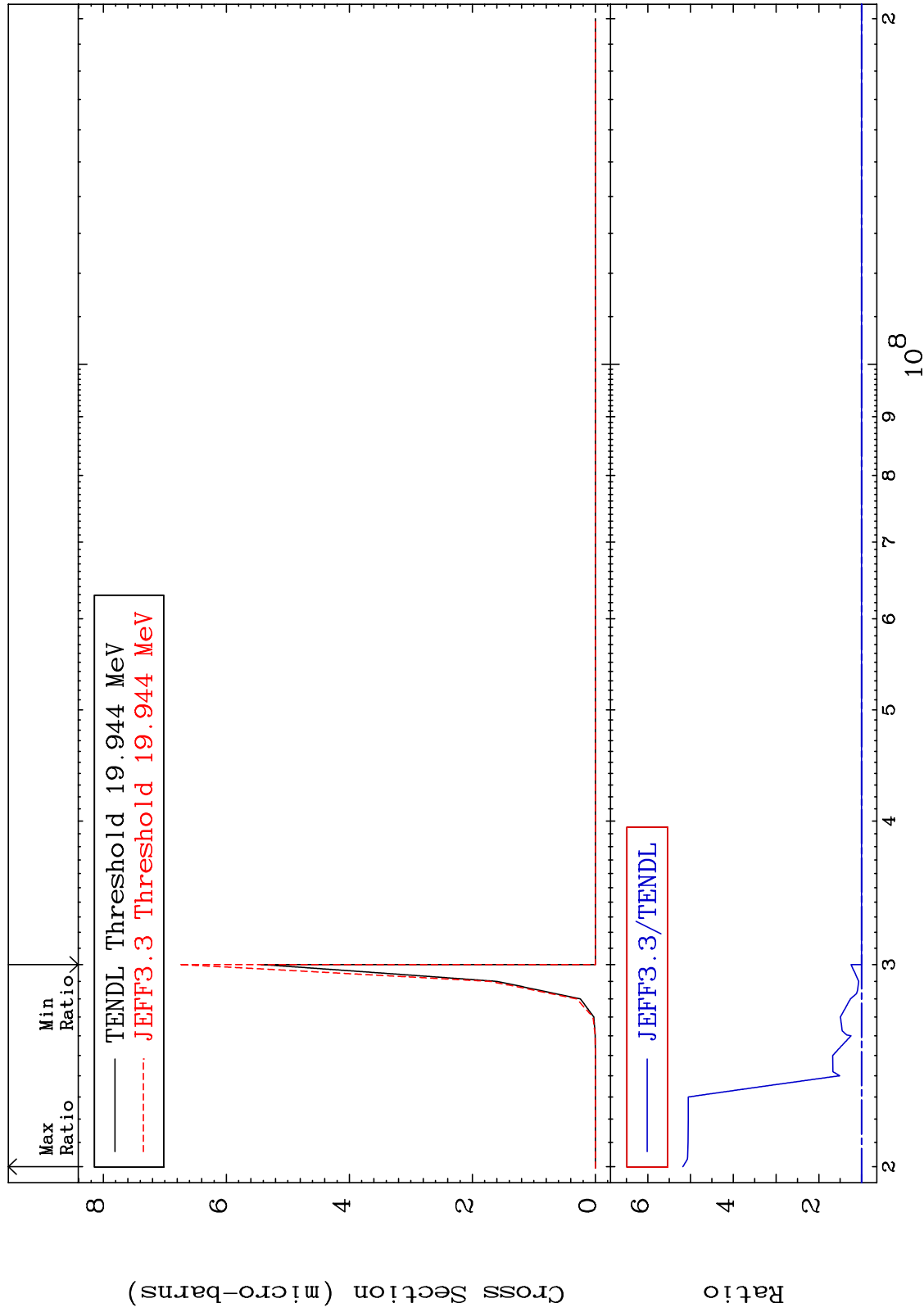
36-Kr-82

MAT 3637

(n, n') He-3:34-Se-79m1

36-Kr-82

Radionuclide Production Cross Section 0.000 To 417.9 %



90

36-Kr-82

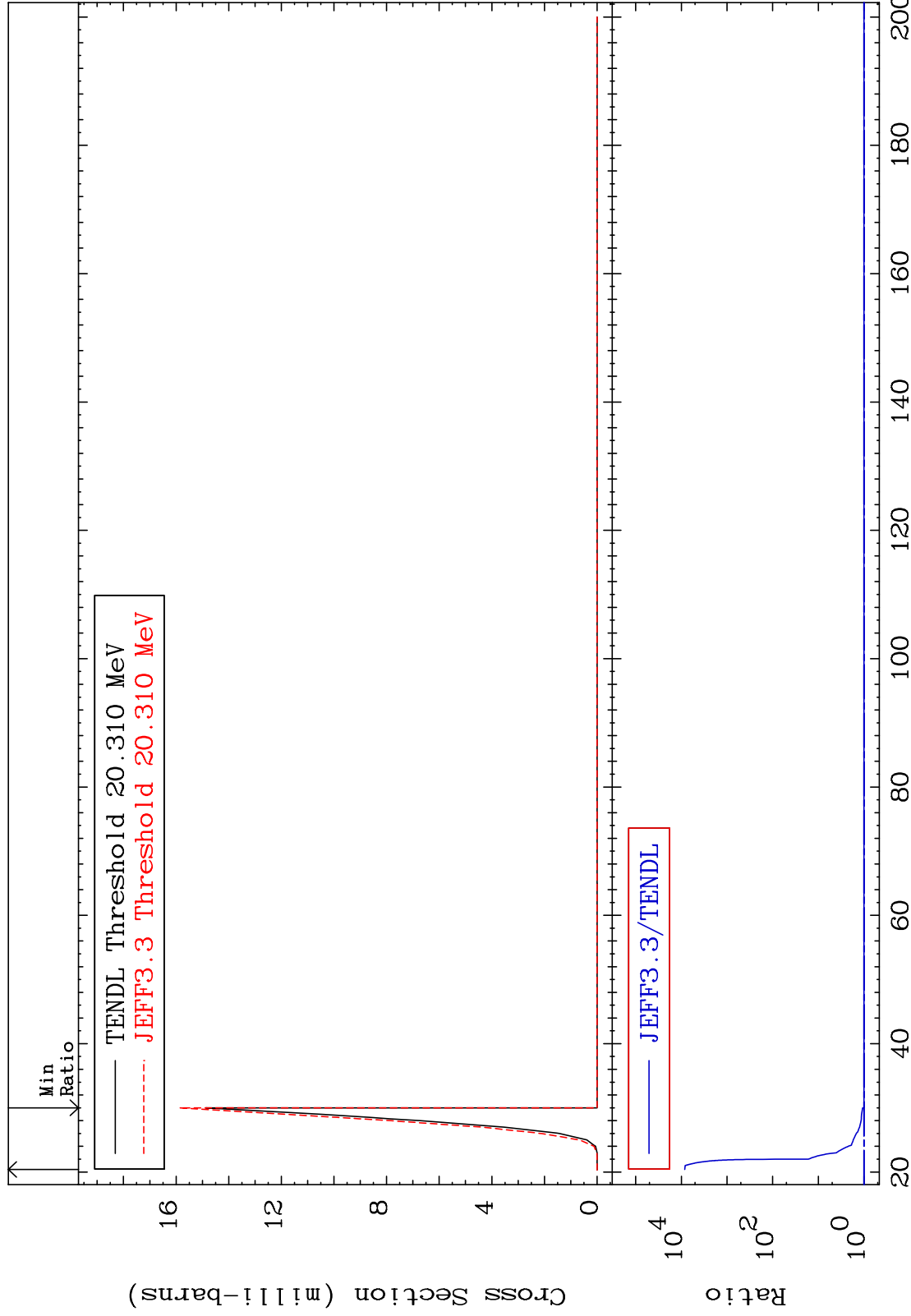
36-Kr-82

MAT 3637

(n,2n) p:35-Br-80g

36-Kr-82

Radionuclide Production Cross Section 0.000 To 9999. %



91

Incident Energy (MeV)

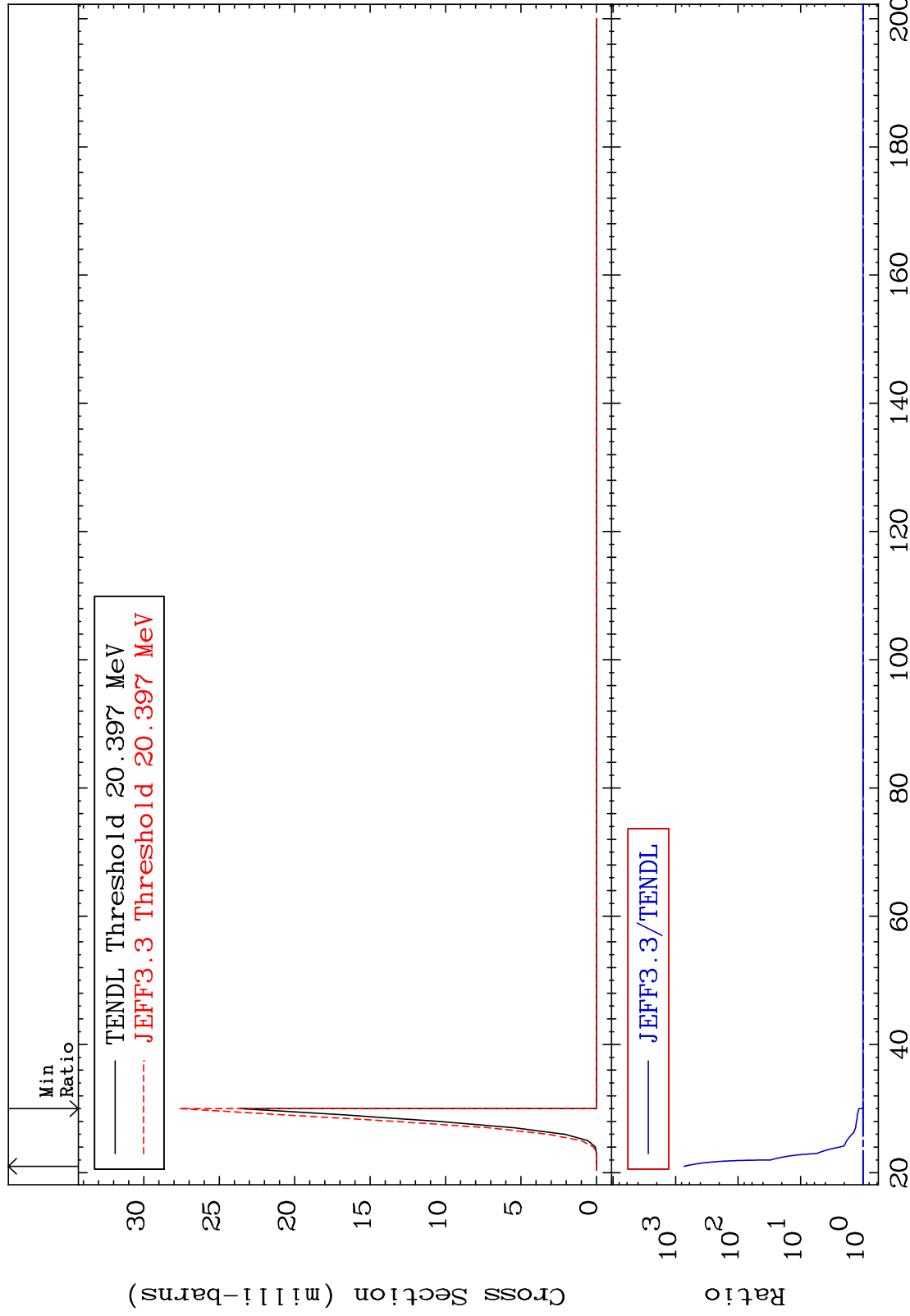
36-Kr-82

MAT 3637

(n,2n) p:35-Br-80m2

36-Kr-82

Radionuclide Production Cross Section 0.000 To 9999. %



92

Incident Energy (MeV)

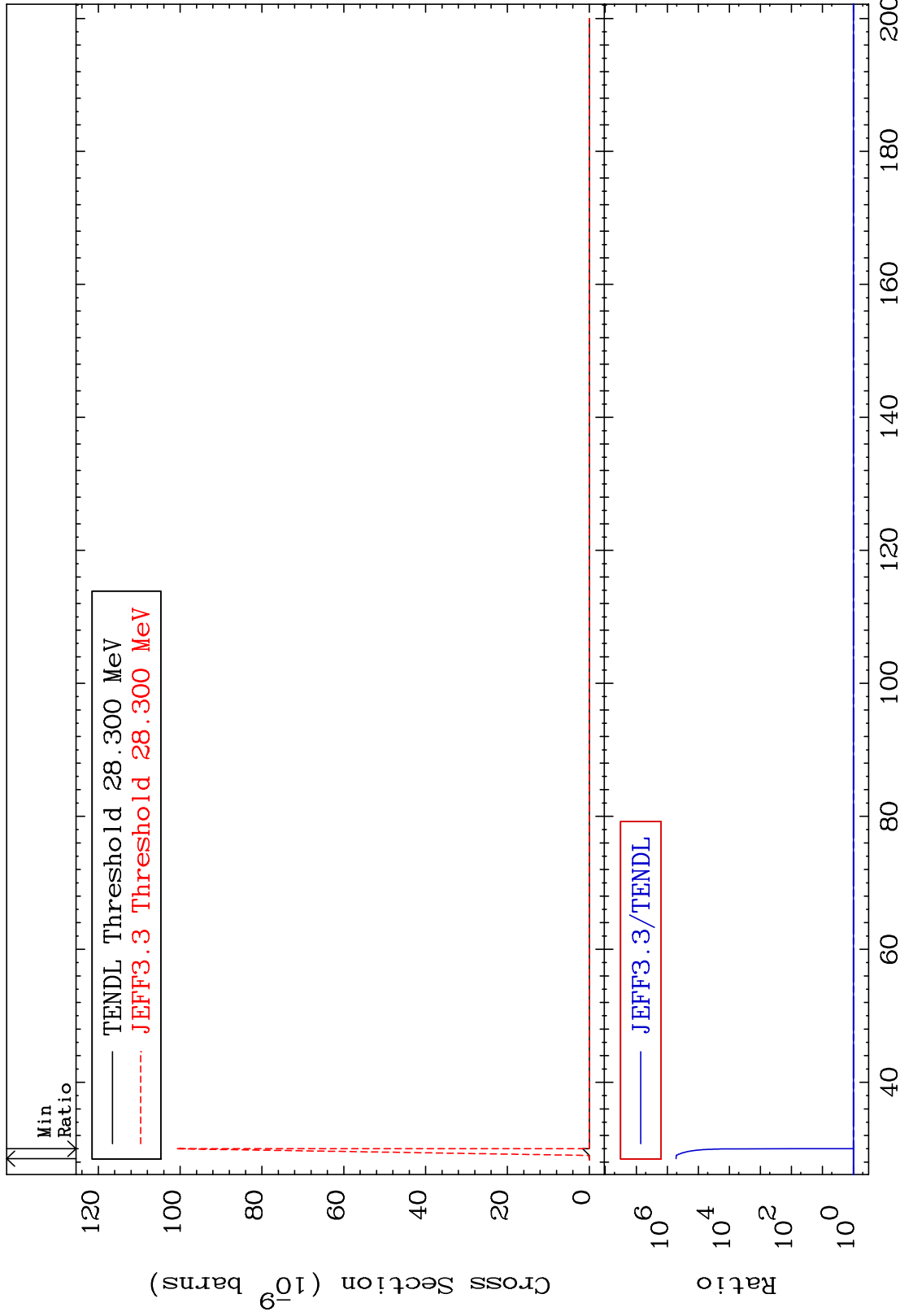
36-Kr-82

MAT 3637

(n,3n) p:35-Br-79g

36-Kr-82

Radionuclide Production Cross Section 0.000 To 9999. %



93

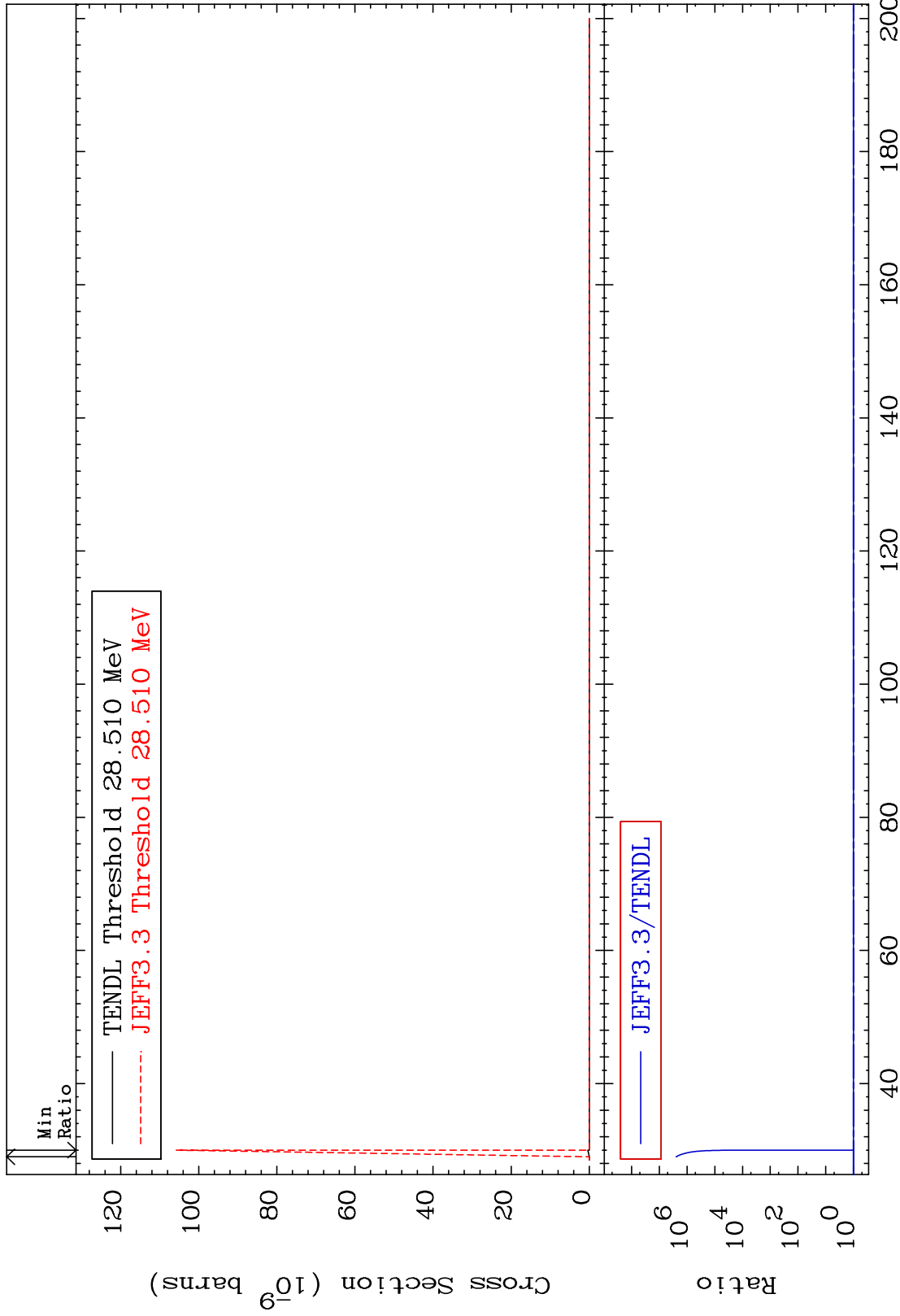
36-Kr-82

MAT 3637

(n,3n) p:35-Br-79m1

36-Kr-82

Radionuclide Production Cross Section 0.000 To 9999. %

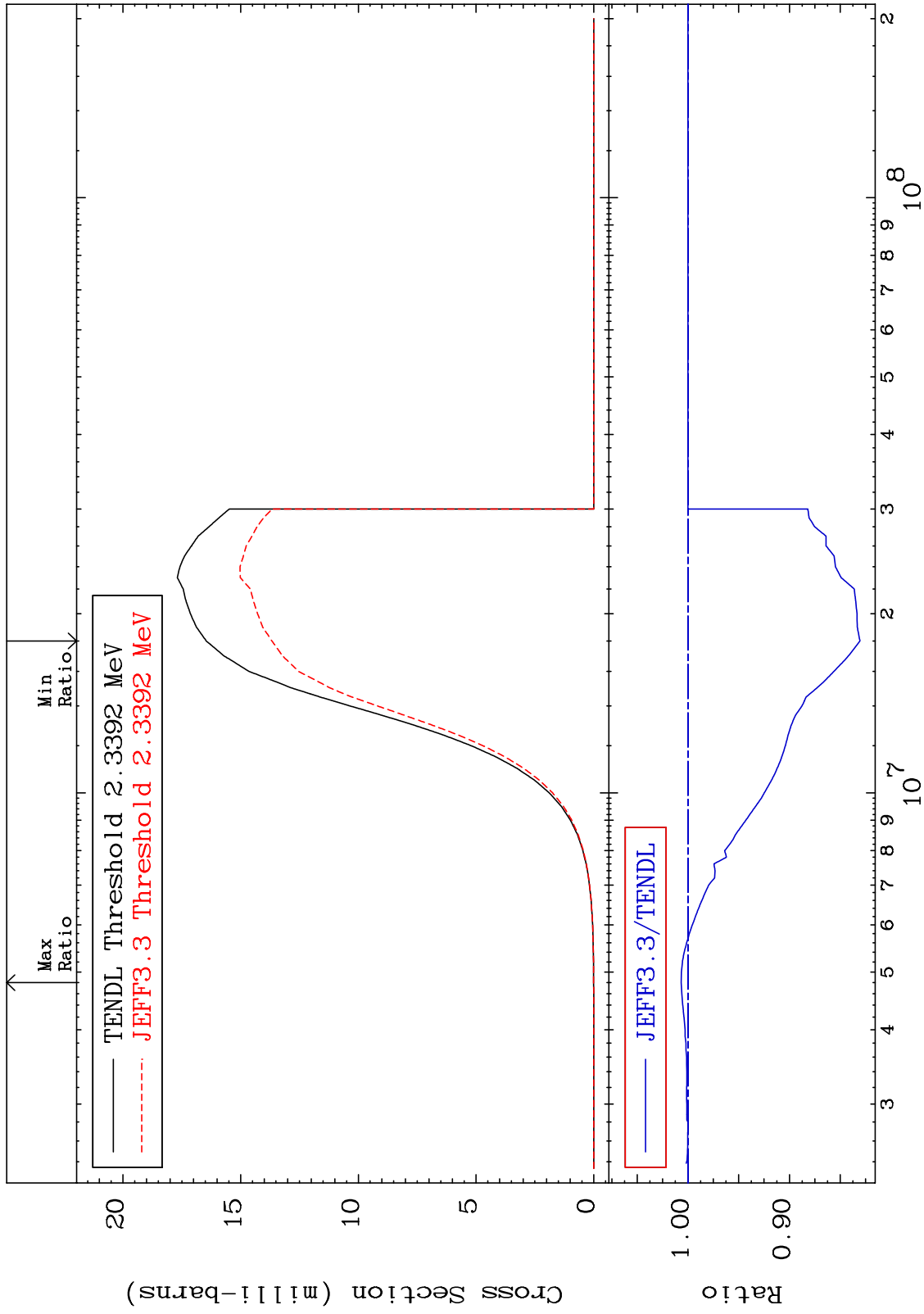


MAT 3637

(n, p) : 35-Br-82g

36-Kr-82

Radionuclide Production Cross Section -16.95 To 0.670 %



95

Incident Energy (eV)

36-Kr-82

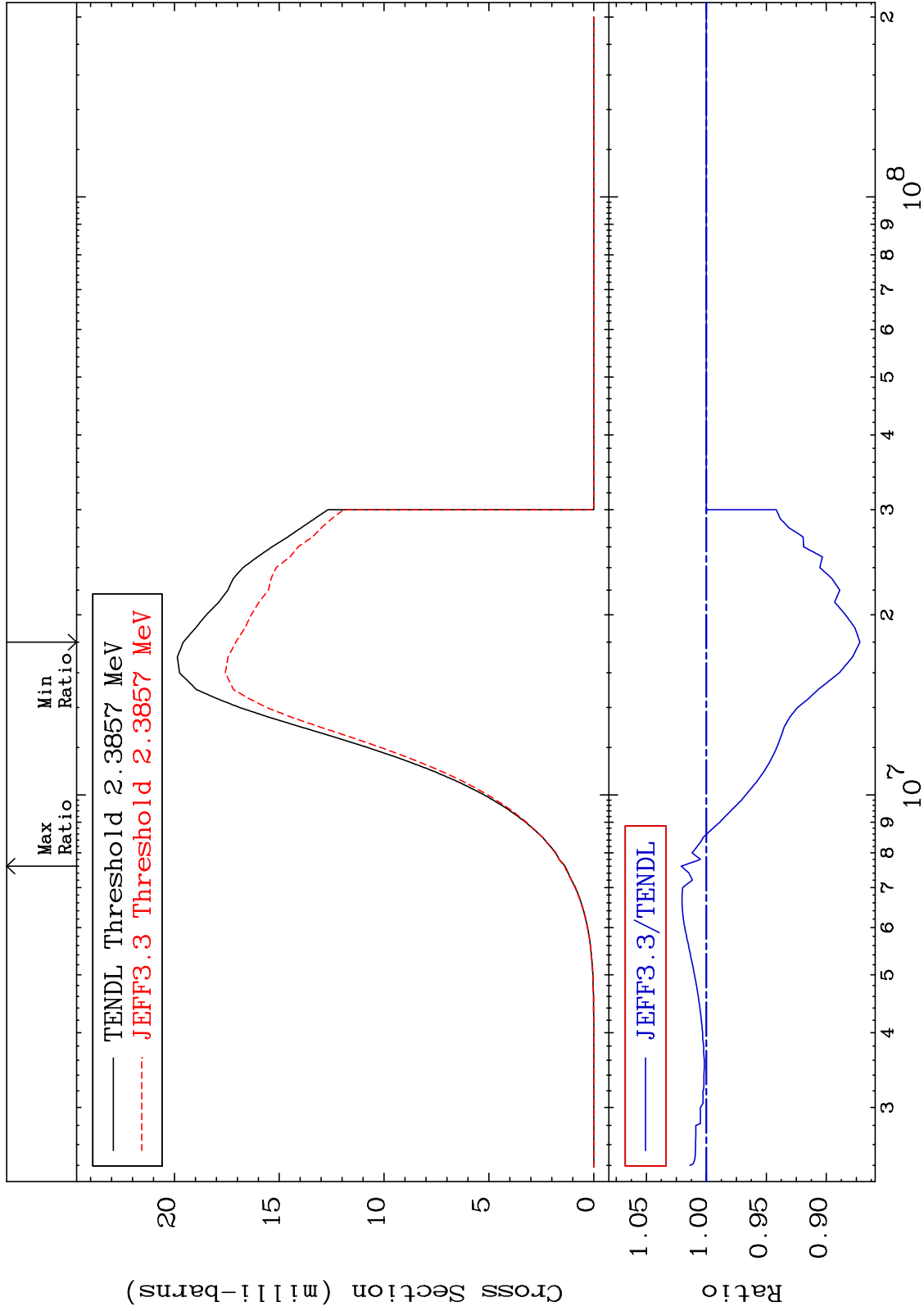


MAT 3637

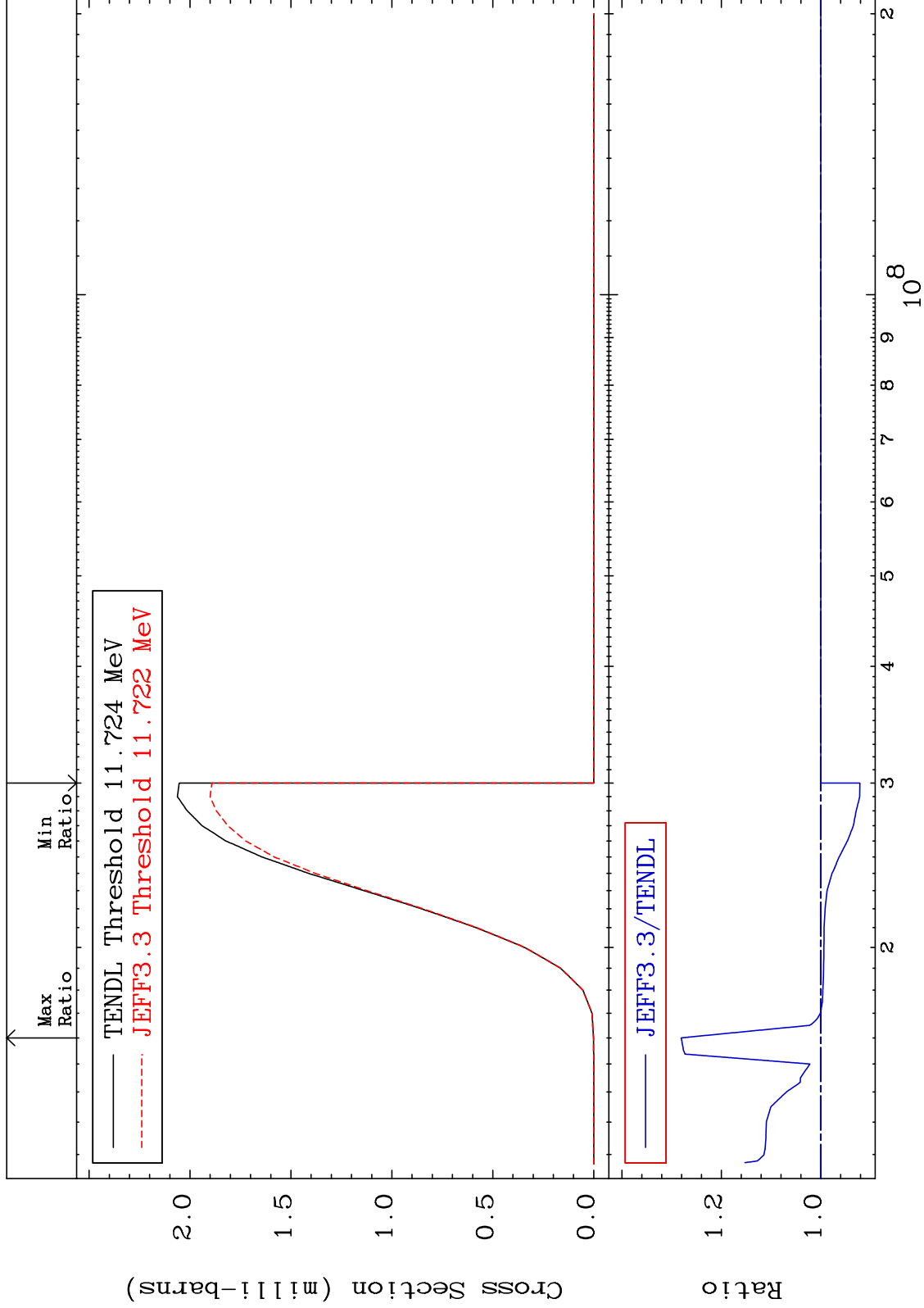
(n, p): 35-Br-82m1

36-Kr-82

Radionuclide Production Cross Section -12.80 To 2.093 %



Radionuclide Production Cross Section -7.898 To 28.06 %

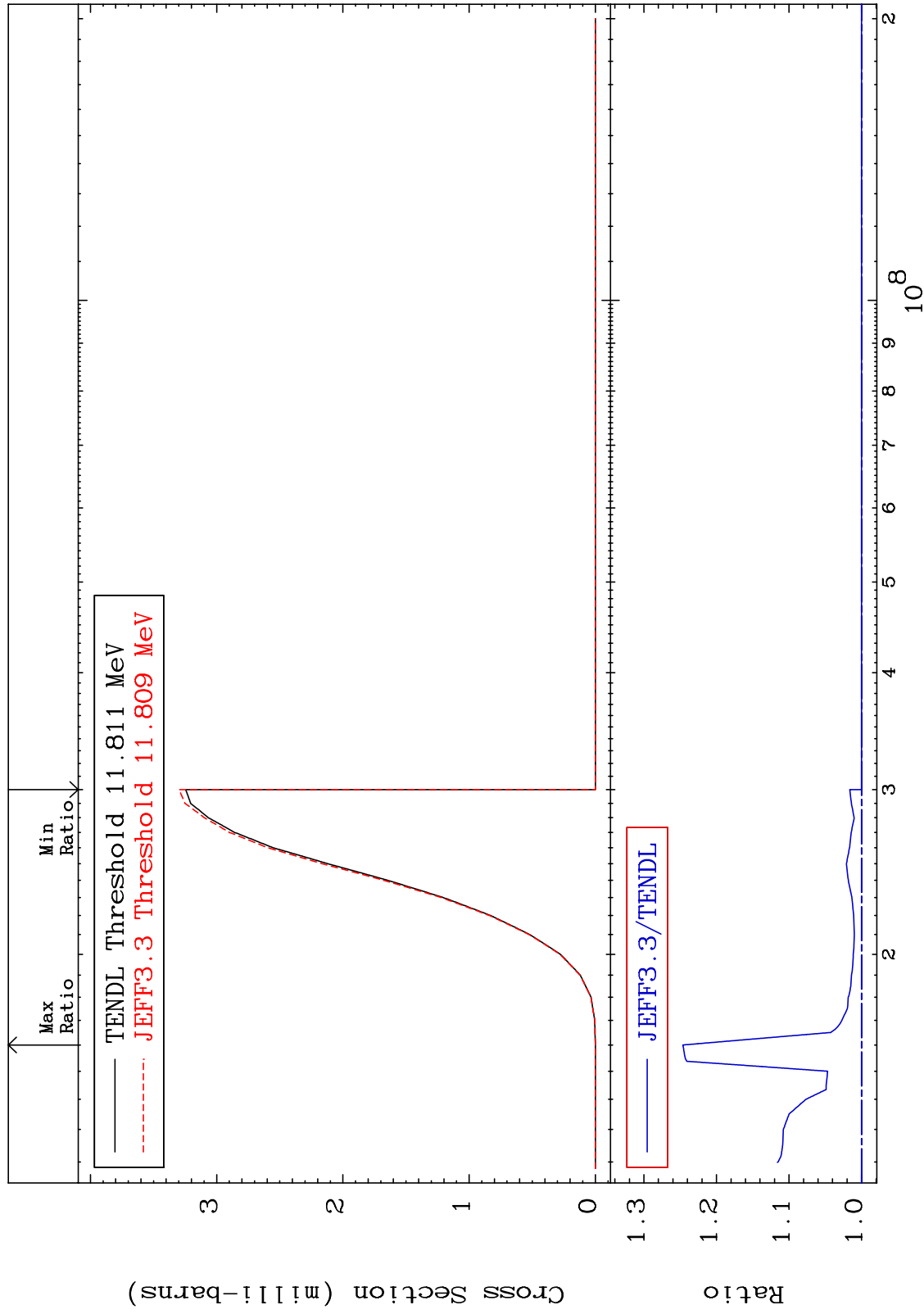


MAT 3637

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

36-Kr-82

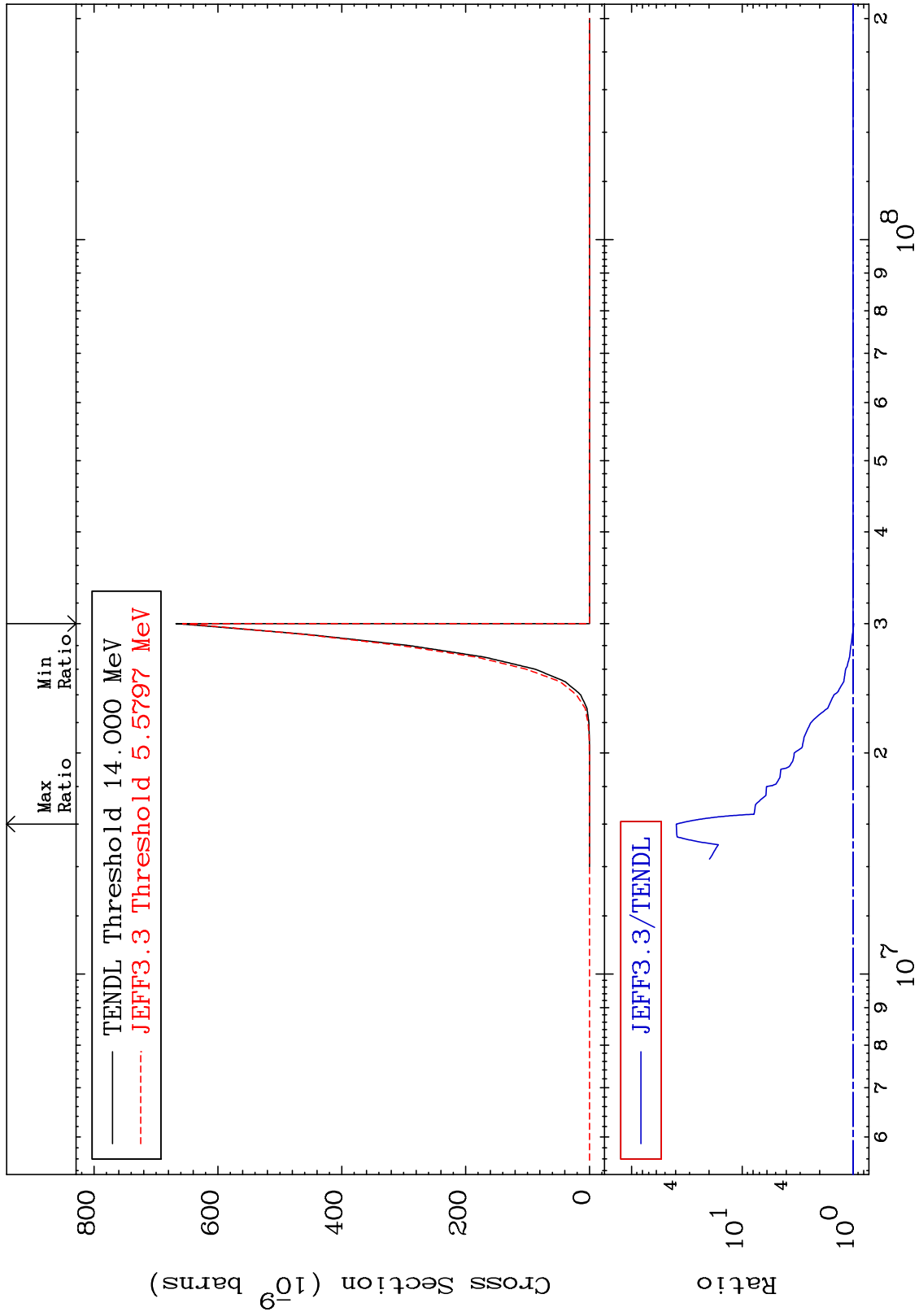
Radionuclide Production Cross Section 0.000 To 24.63 %



MAT 3637

36-Kr-82

(n,2α) : 32-Ge-75g  
Radionuclide Production Cross Section -1.617 To 3847. %



99

36-Kr-82

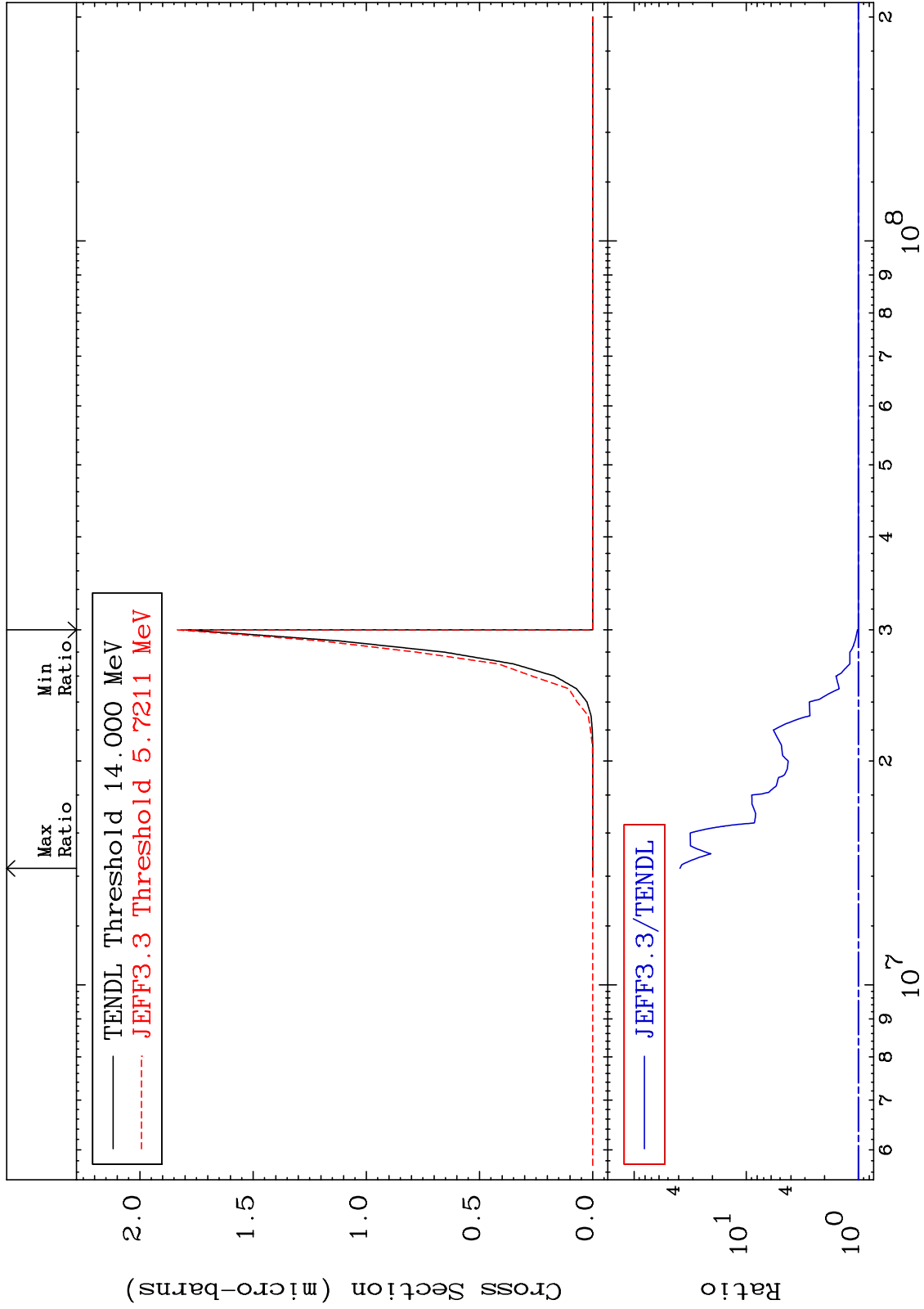
36-Kr-82

MAT 3637

(n, 2α) : 32-Ge-75m2

36-Kr-82

Radionuclide Production Cross Section 0.000 To 3796. %

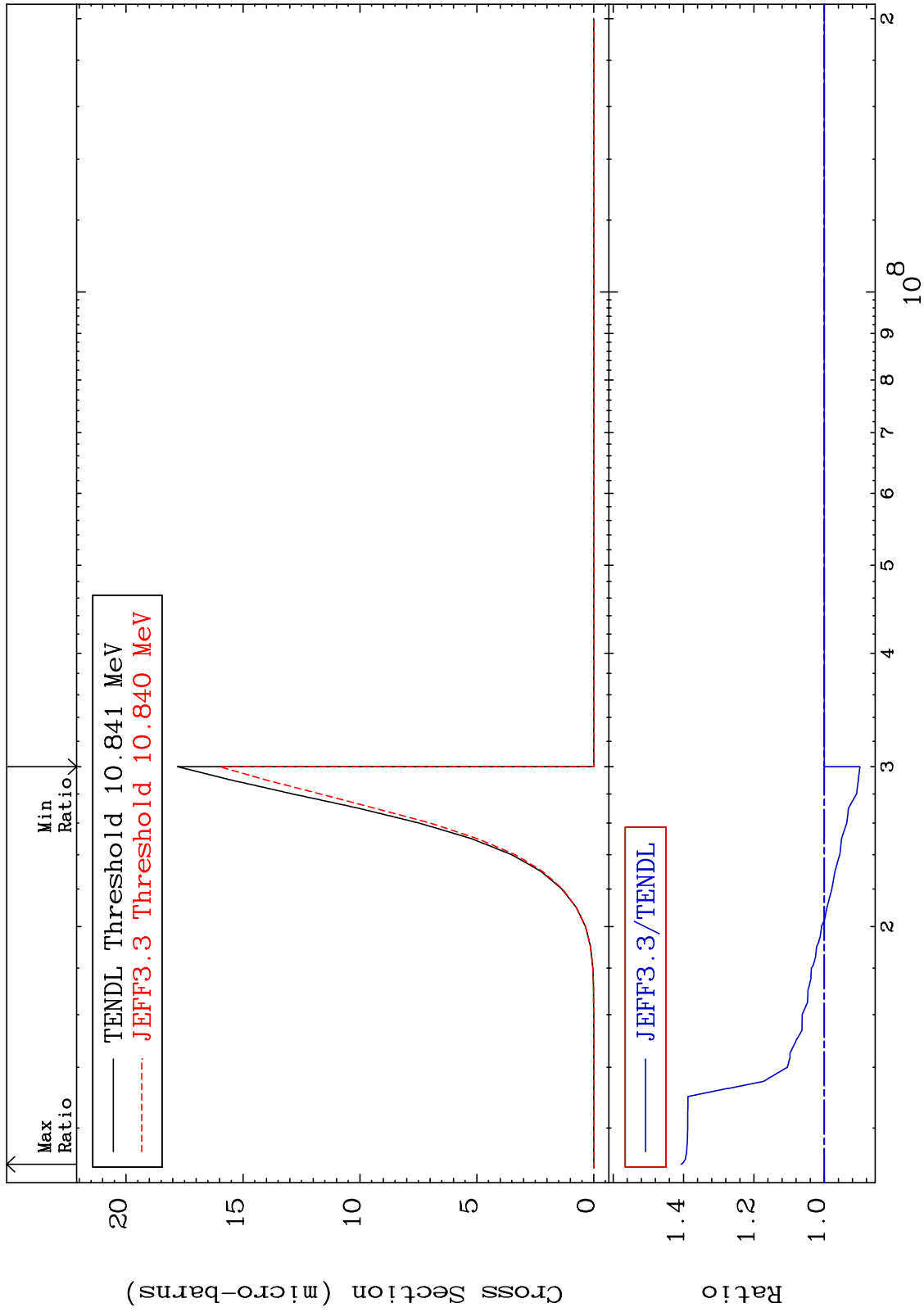


100

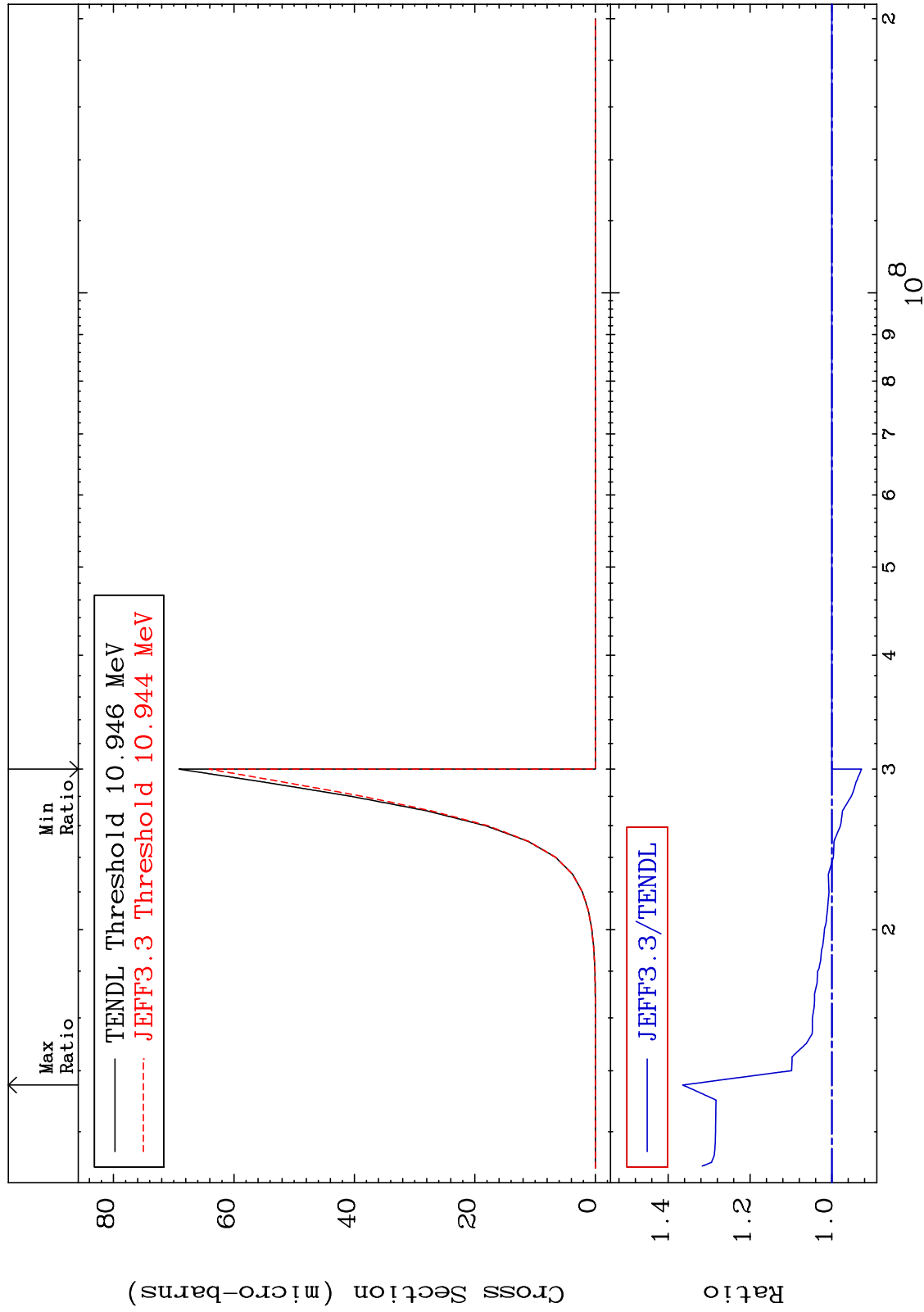
Incident Energy (eV)

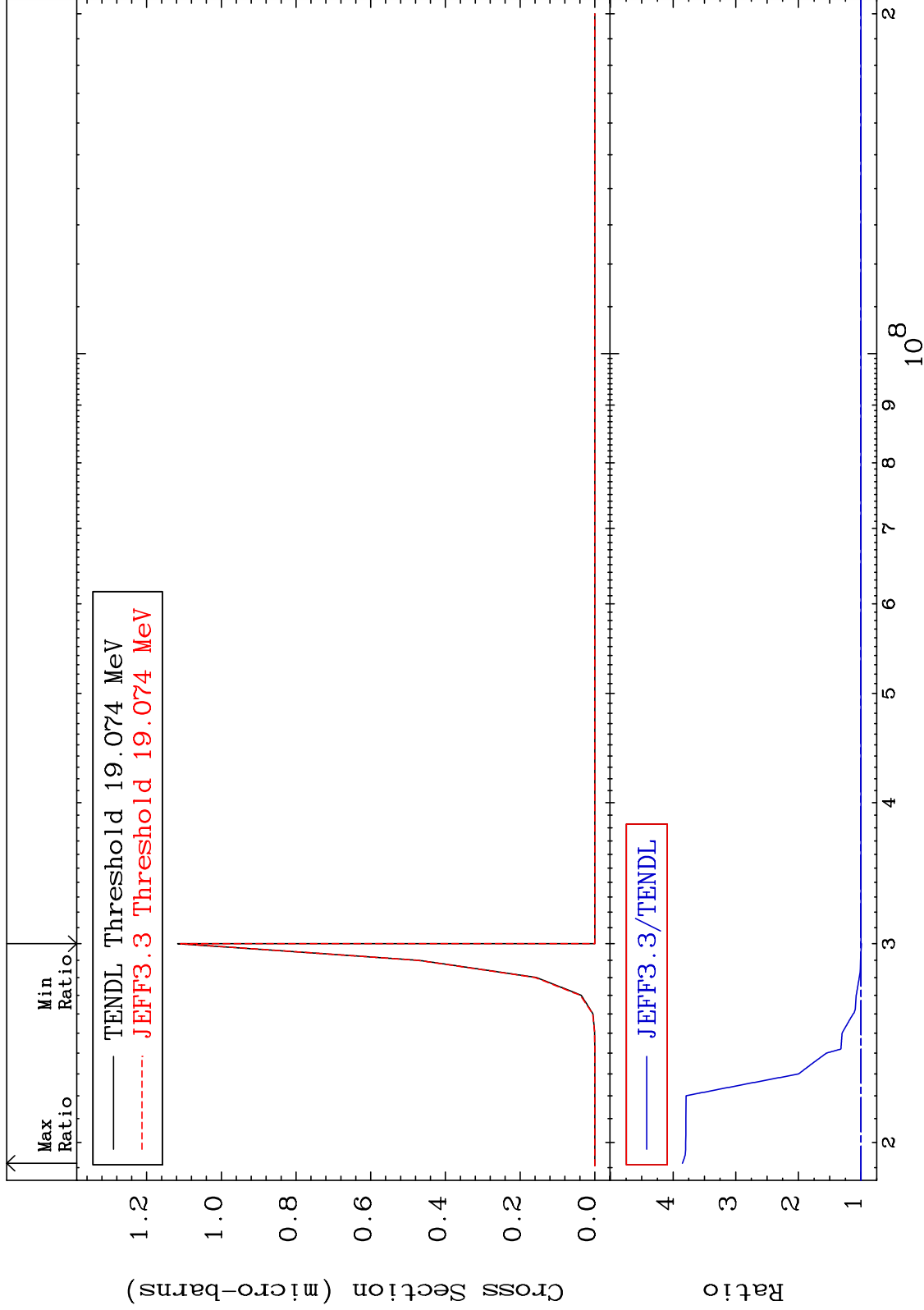
36-Kr-82

(n,2p):34-Se-81g  
Radionuclide Production Cross Section -10.12 To 40.65 %



Radionuclide Production Cross Section -7.239 To 36.39 %







MAT 3637

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

36-Kr-82

Radionuclide Production Cross Section -11.57 To 290.4 %

