

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

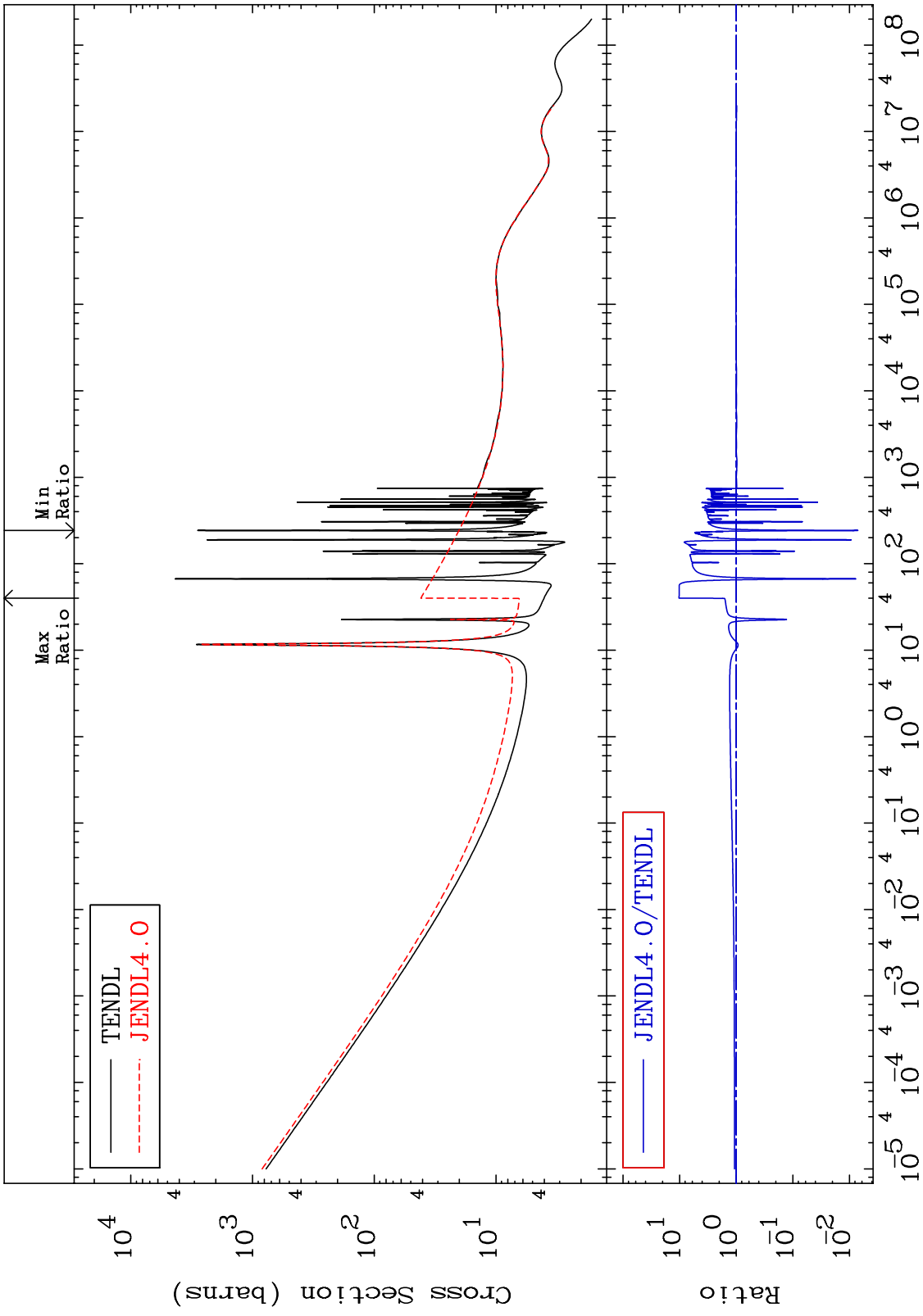
U.S.A.

Tele: 925-443-1911

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

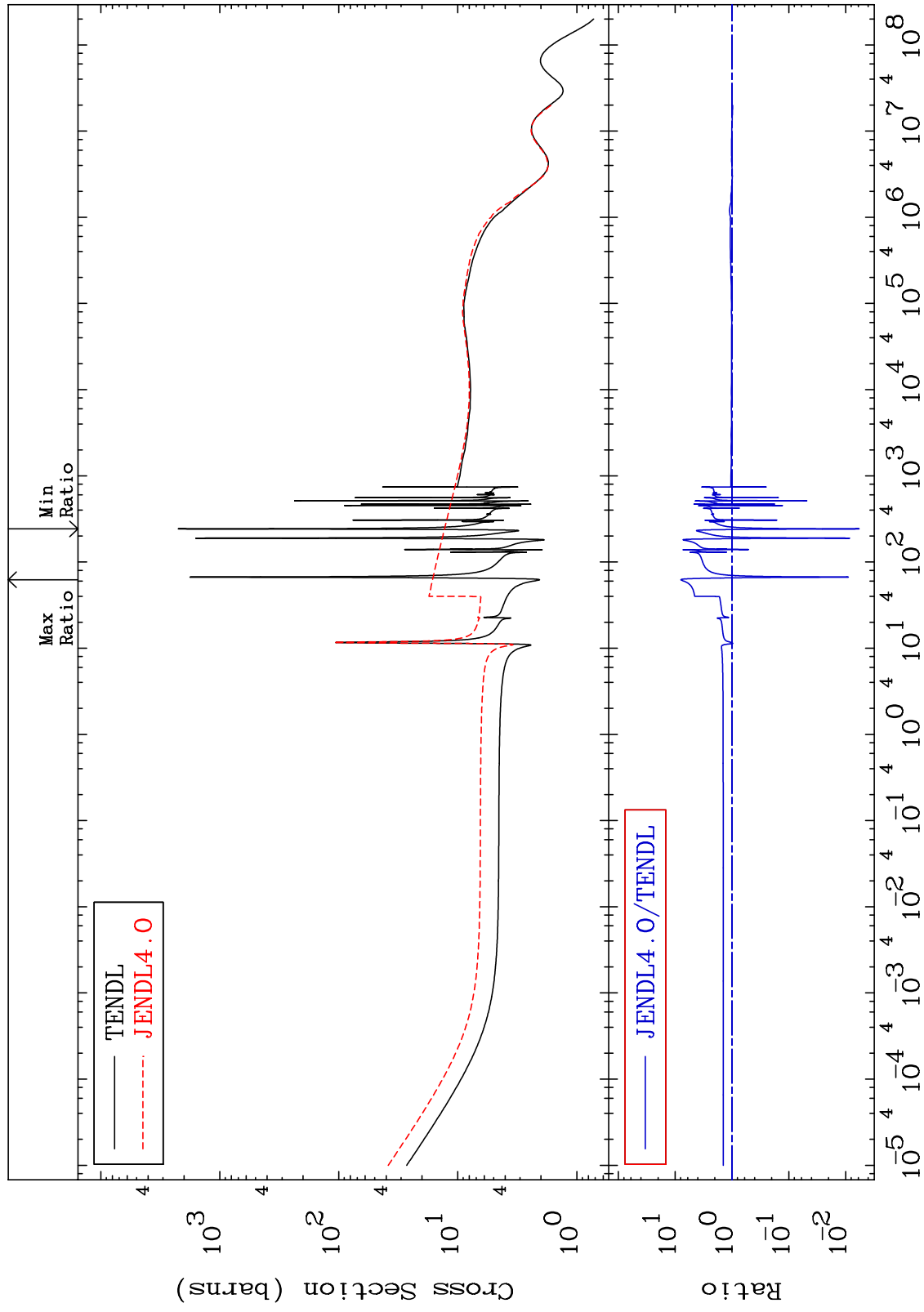
Press Mouse Button to Start

MAT 4128 41-Nb-94 -99.29 To 926.9 % Total Cross Section



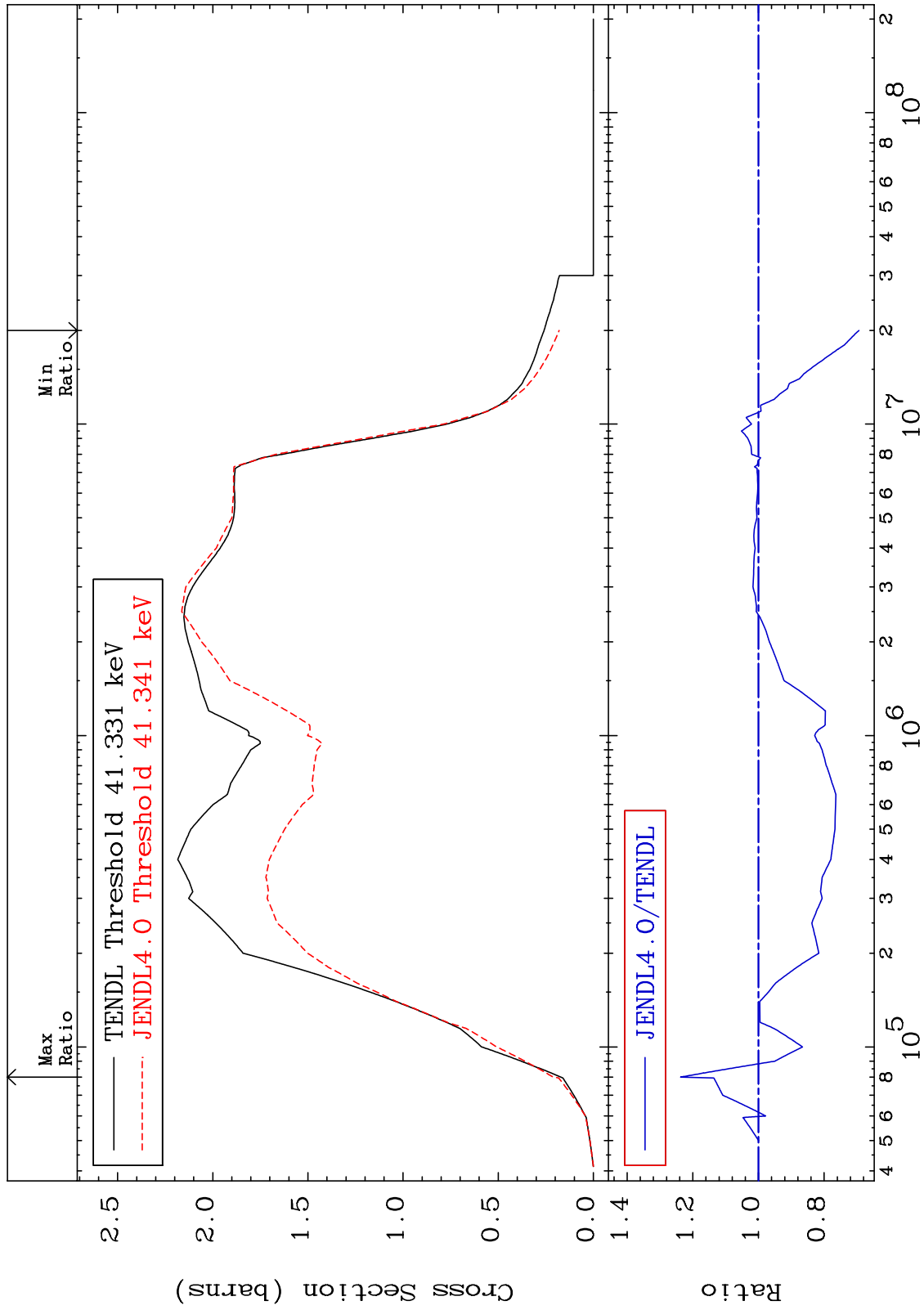
41-Nb-94

MAT 4128 Elastic Cross Section 41-Nb-94 -99.42 To 693.8 %



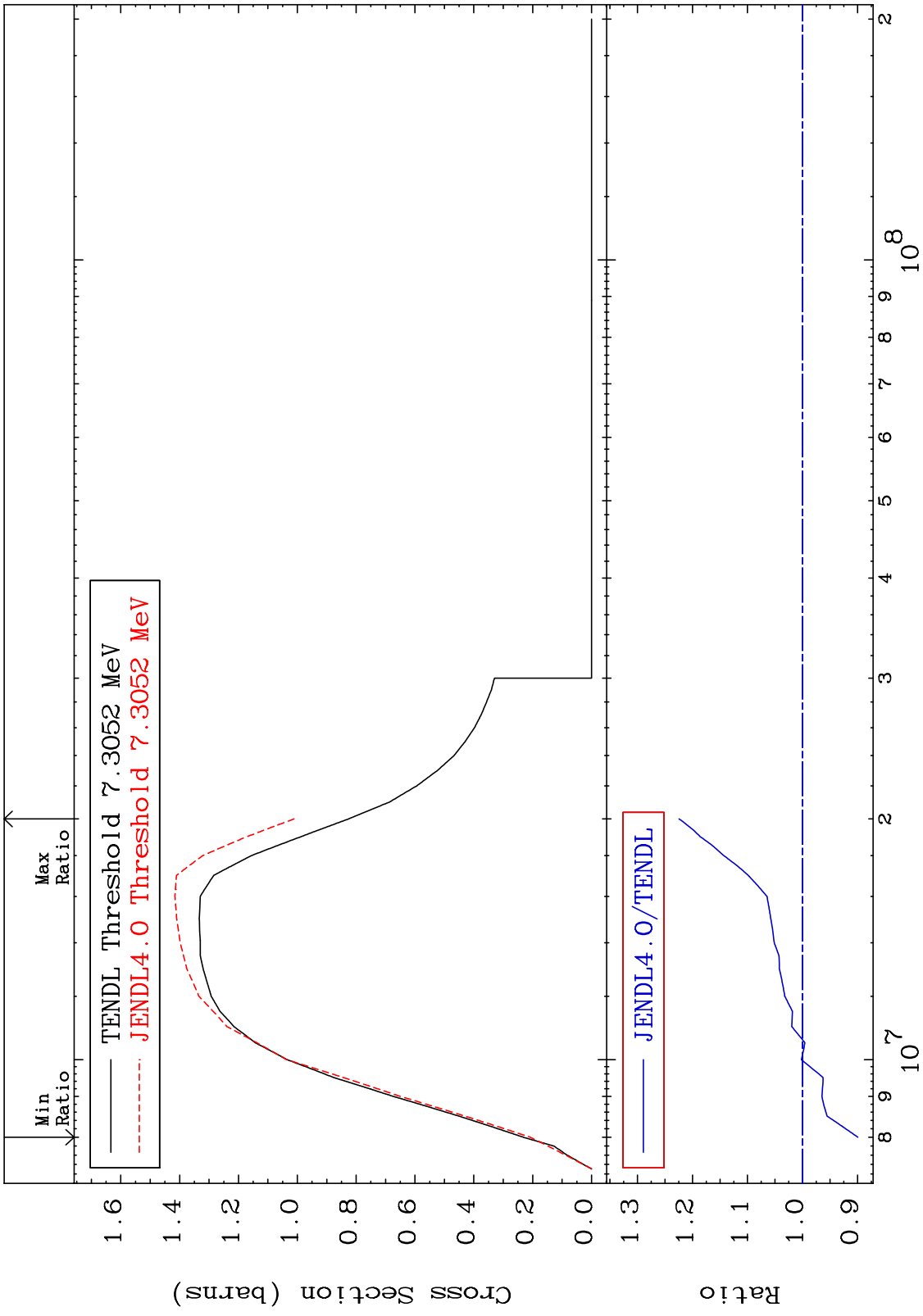
2 41-Nb-94

MAT 4128 Inelastic Cross Section 41-Nb-94 -30.62 To 23.70 %

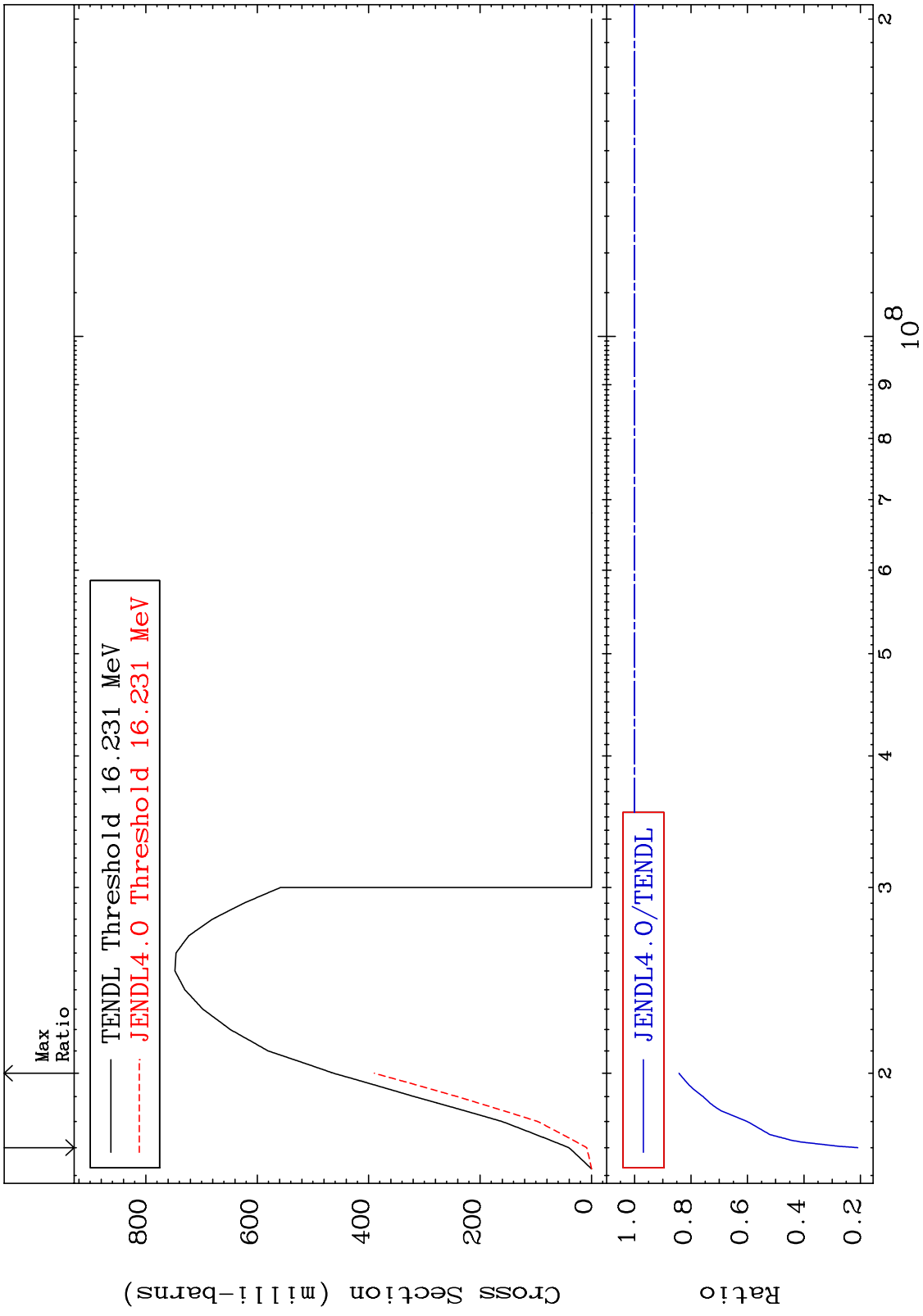


3 41-Nb-94

MAT 4128 (n,2n) Cross Section 41-Nb-94 -10.06 To 22.45 %



MAT 4128 (n,3n) Cross Section 41-Nb-94 -79.09 To -15.76%



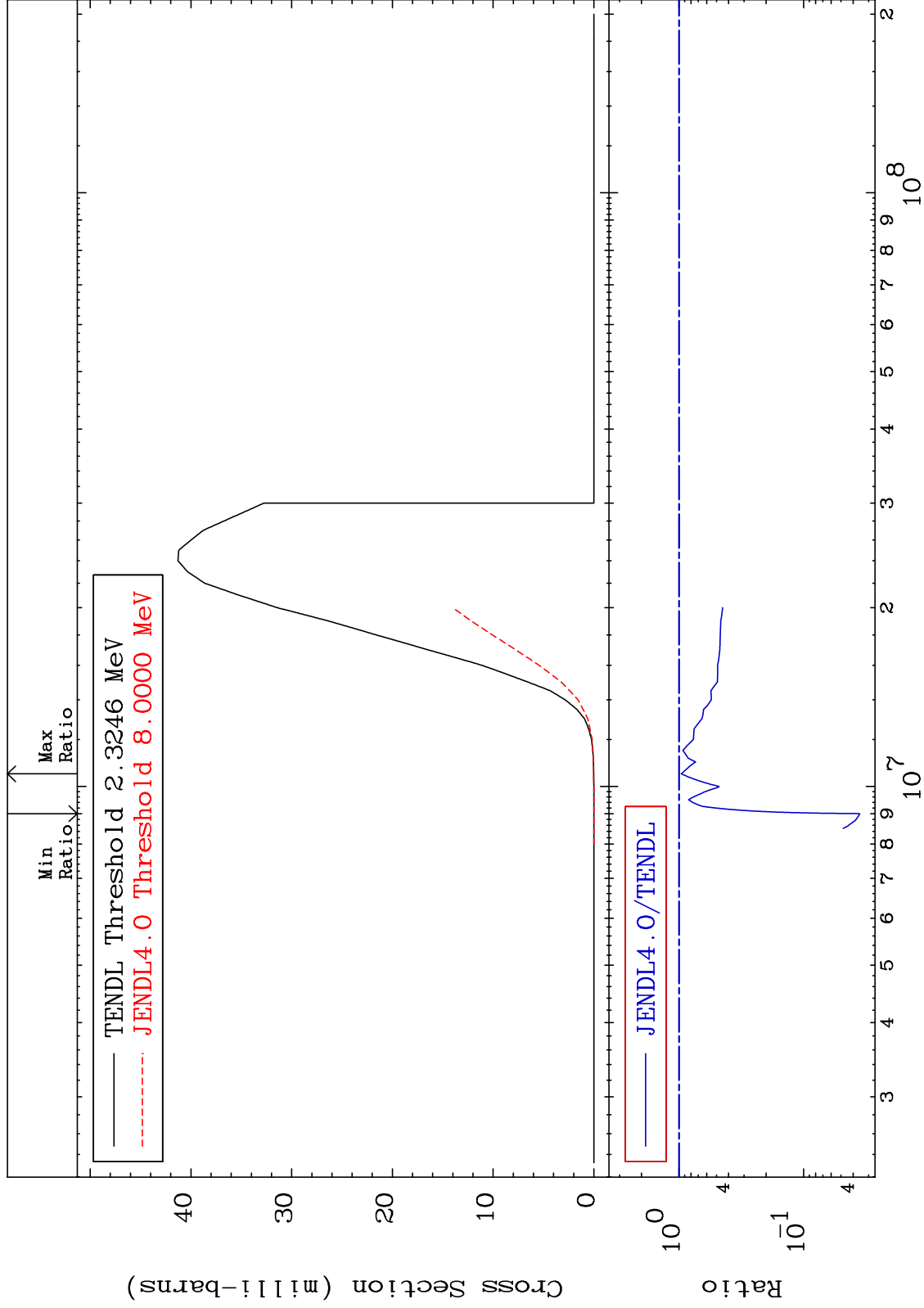
MAT 4128

(n, n')  $\alpha$

41-Nb-94

-96.46 To -4.041%

Cross Section

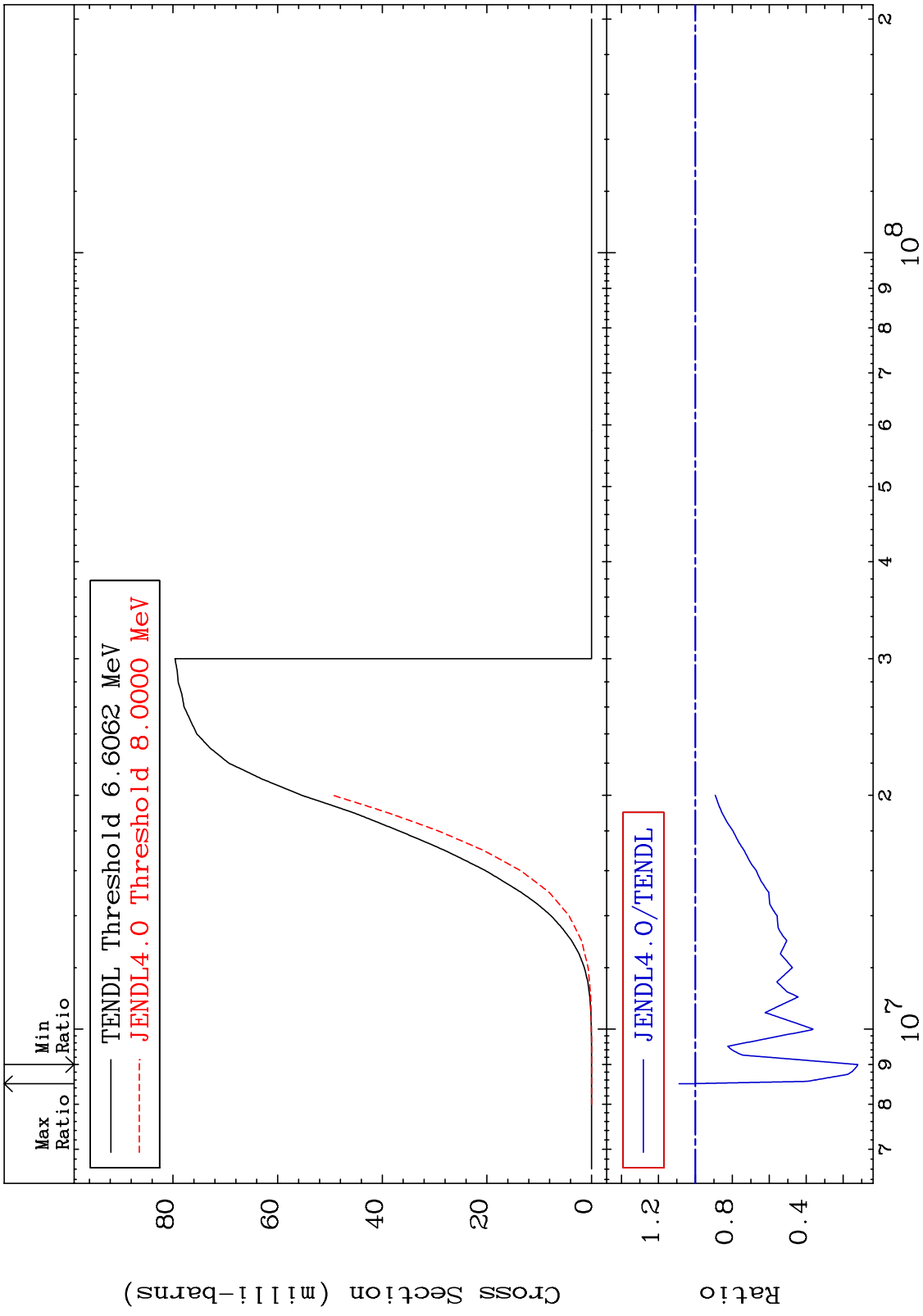


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Incident Energy (eV)

41-Nb-94

MAT 4128 (n,n') p 41-Nb-94  
 Cross Section -87.95 To 8.838 %



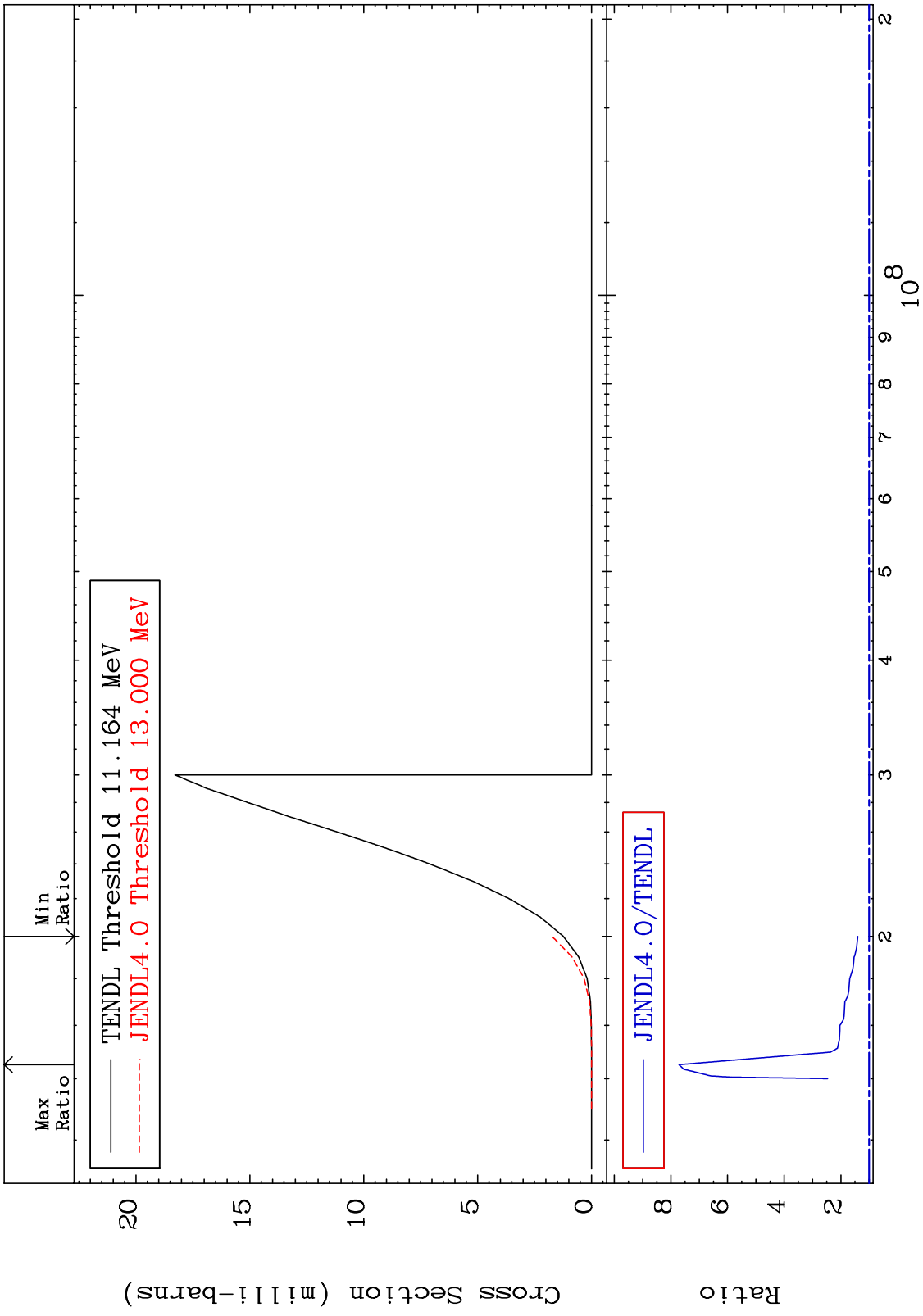
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

41-Nb-94



MAT 4128 (n,n') d 41-Nb-94 To 671.5 %

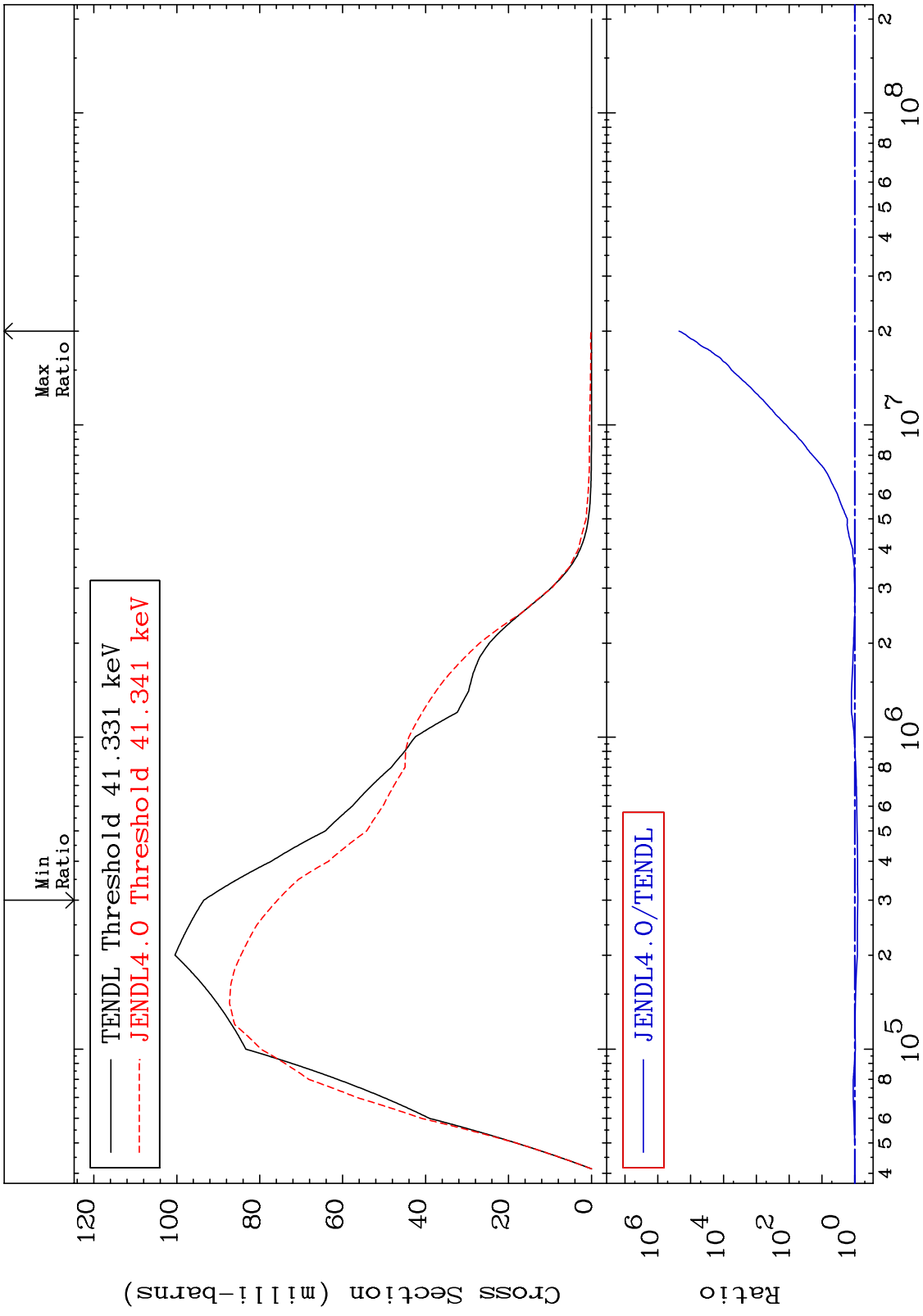
Cross Section



41-Nb-94

Incident Energy (eV)

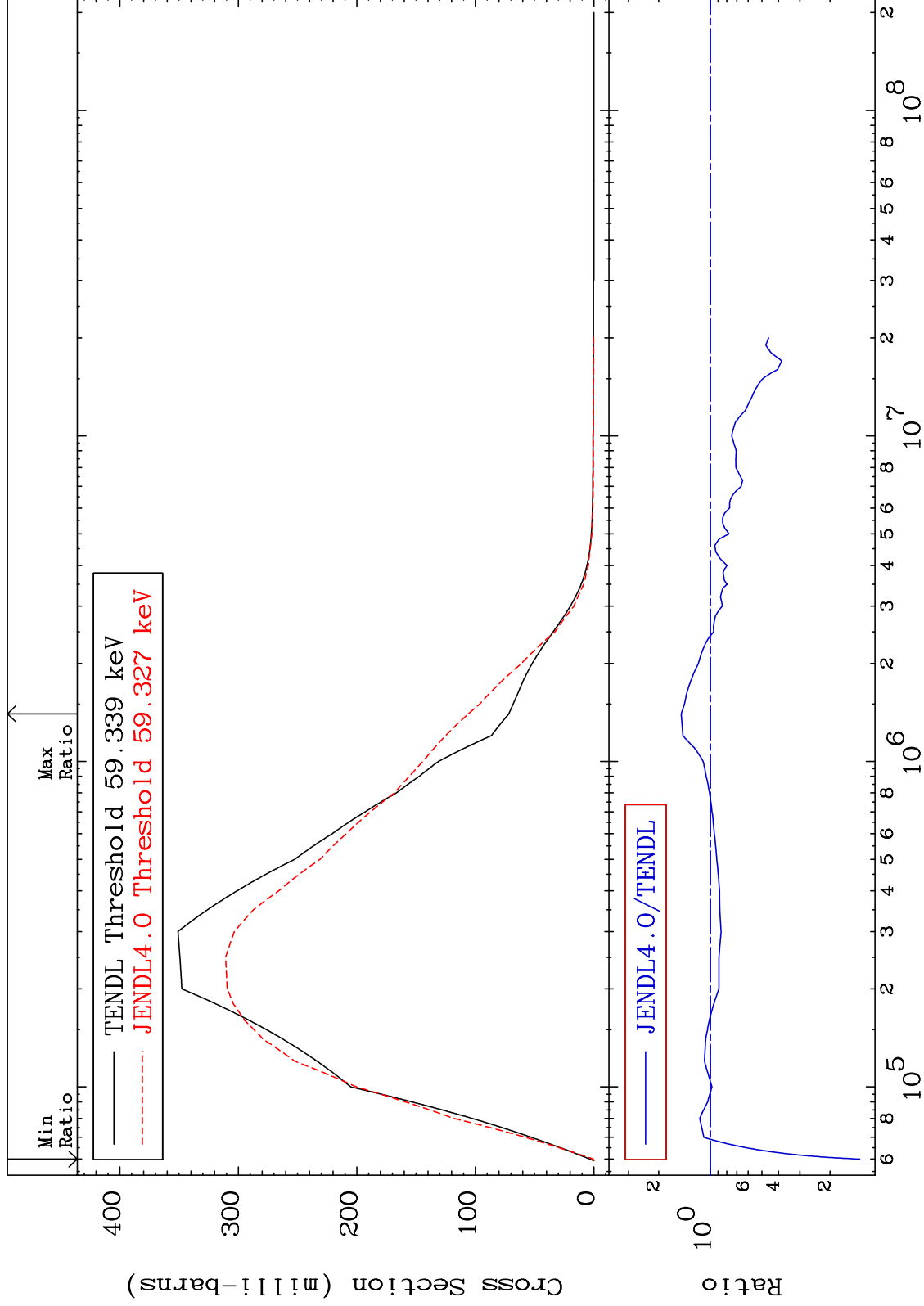
MAT 4128 MT= 51 (n,n') Level Cross Section -19.01 To 9999. % 41-Nb-94



MAT 4128

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

41-Nb-94  
-86.58 To 47.66 %

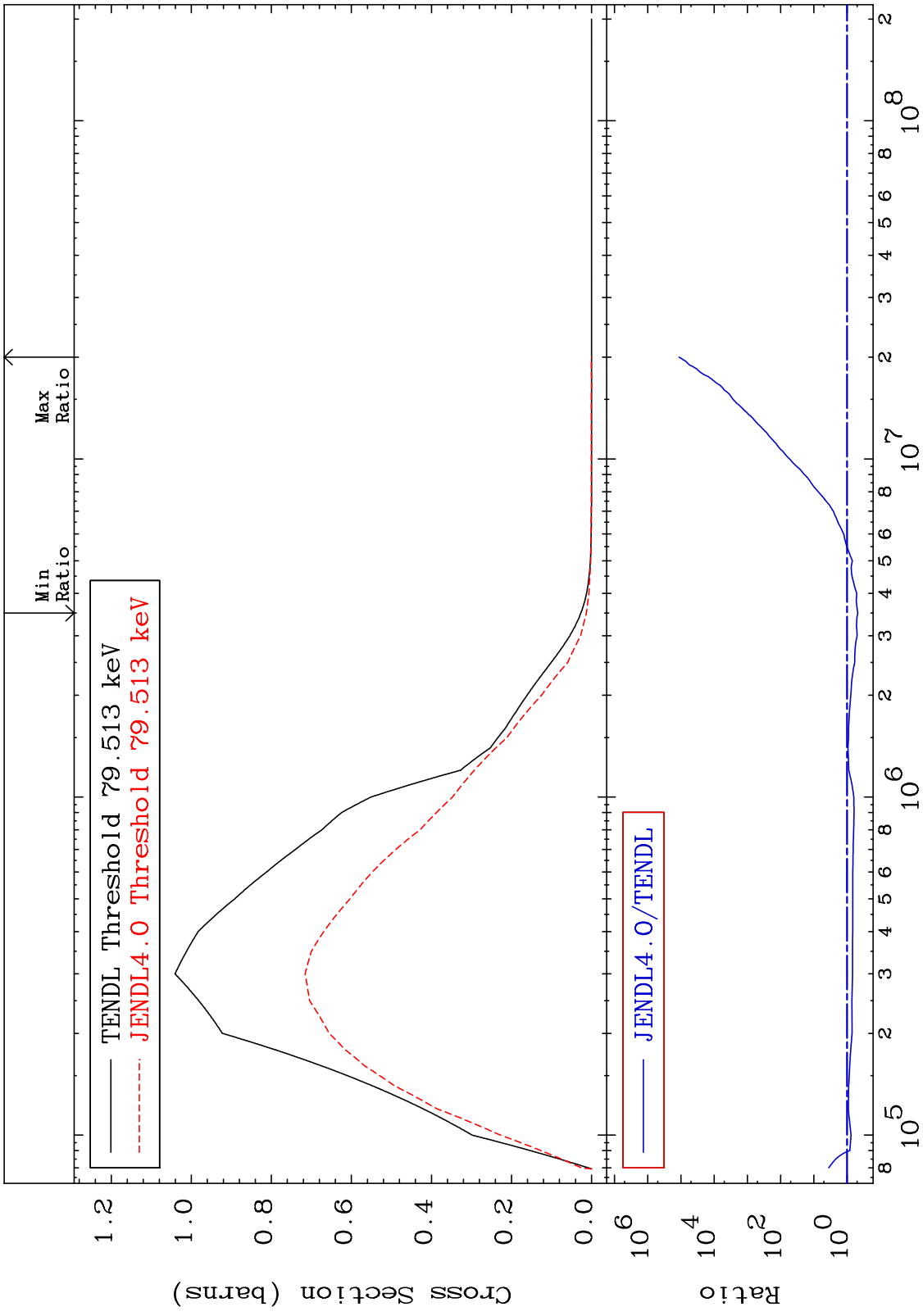


10

Incident Energy (eV)

41-Nb-94

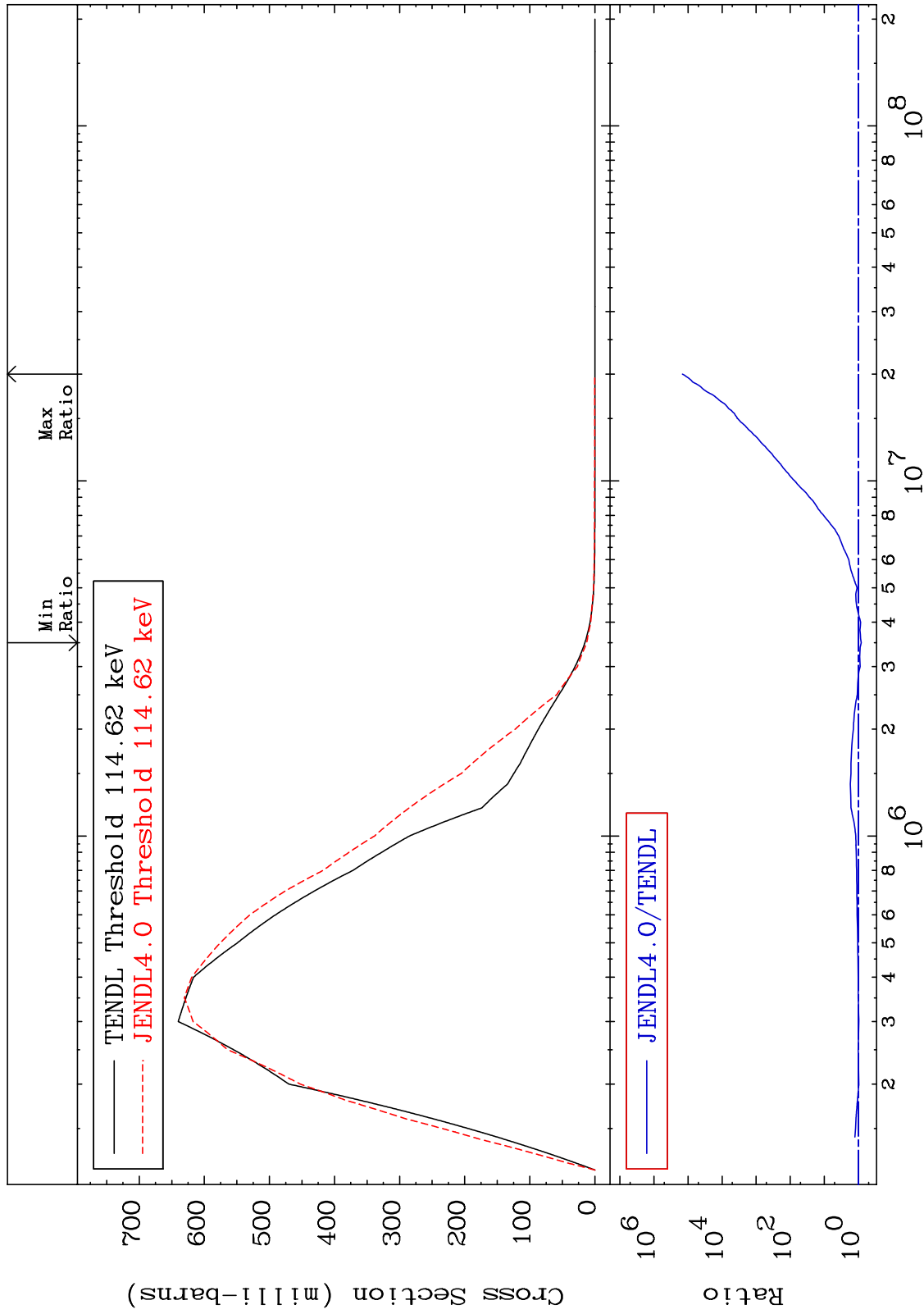
MAT 4128 MT= 53 (n,n') Level Cross Section -52.30 To 9999. % 41-Nb-94



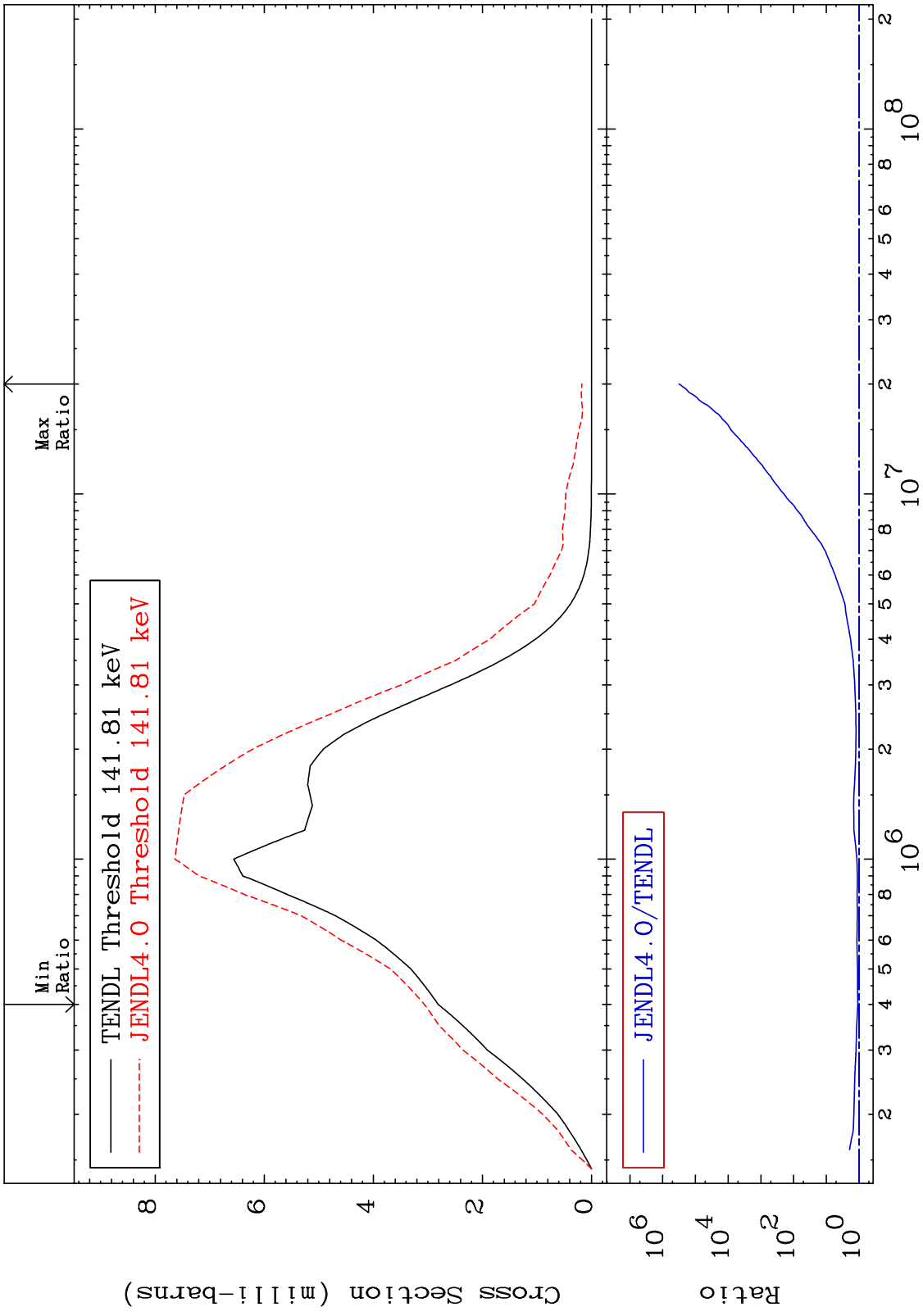
MAT 4128

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

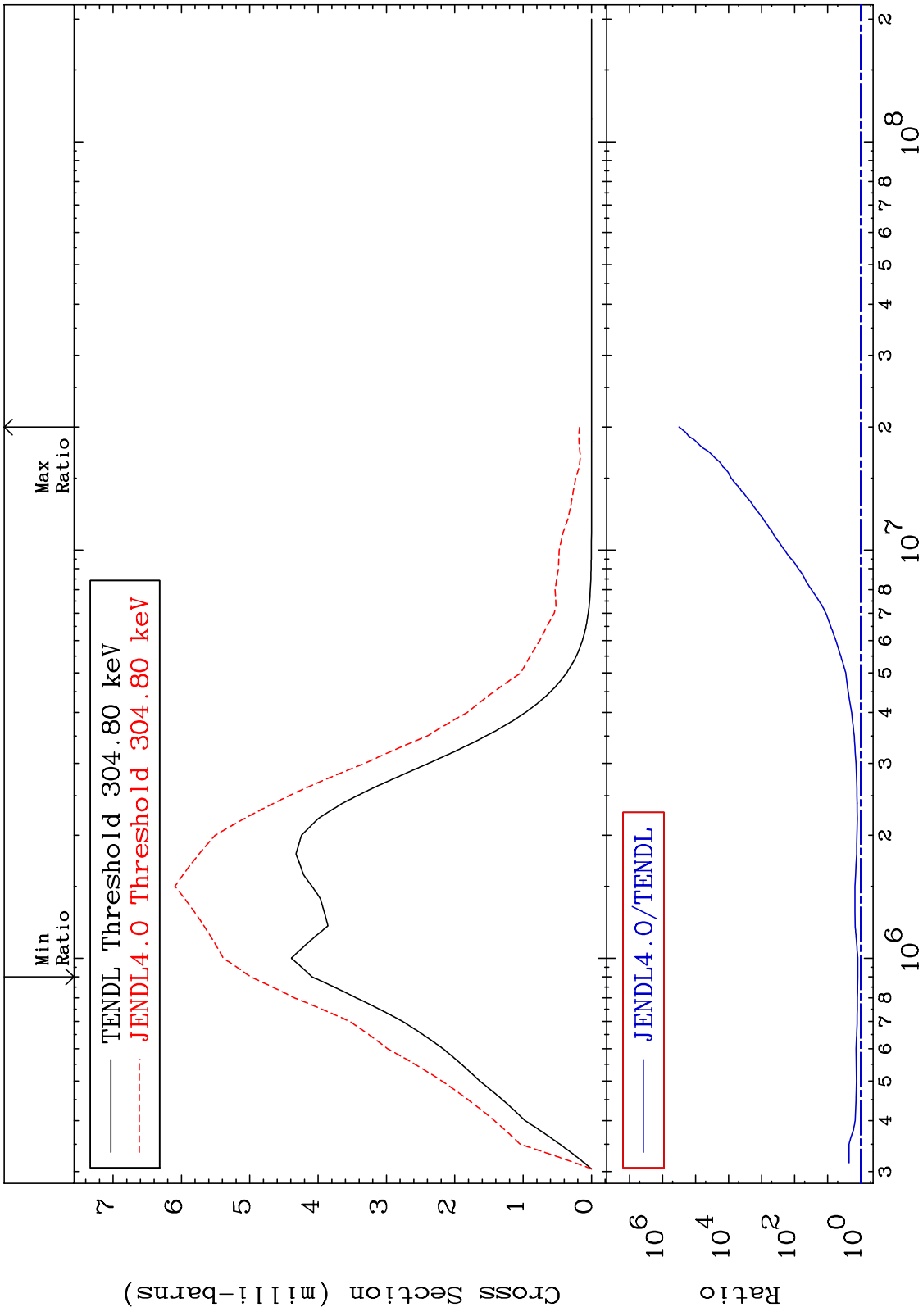
41-Nb-94  
-18.14 To 9999. %



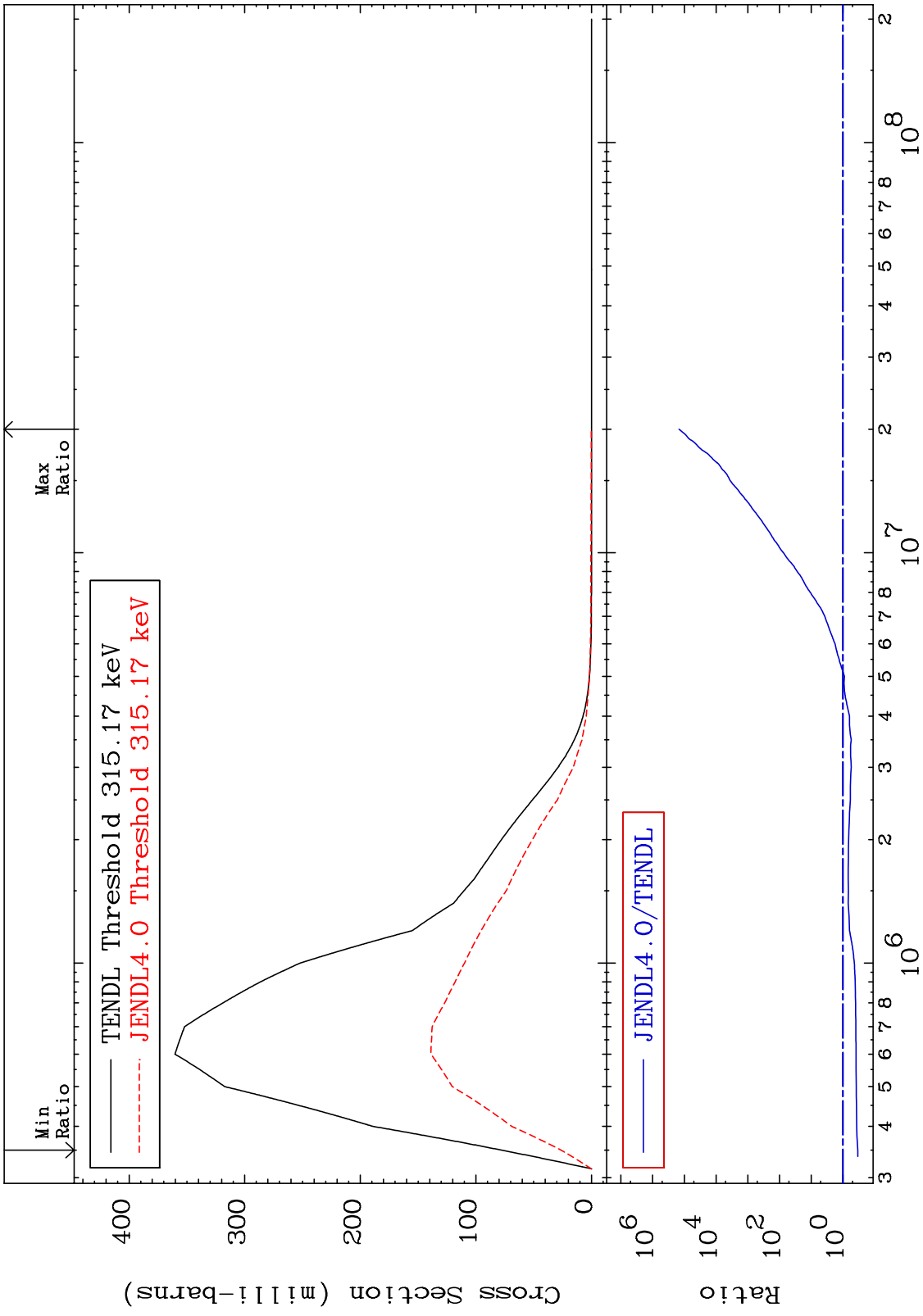
MAT 4128 MT= 55 (n,n') Level Cross Section 41-Nb-94 8.977 To 9999. %



MAT 4128 MT= 56 (n,n') Level Cross Section 41-Nb-94 21.97 To 9999. %

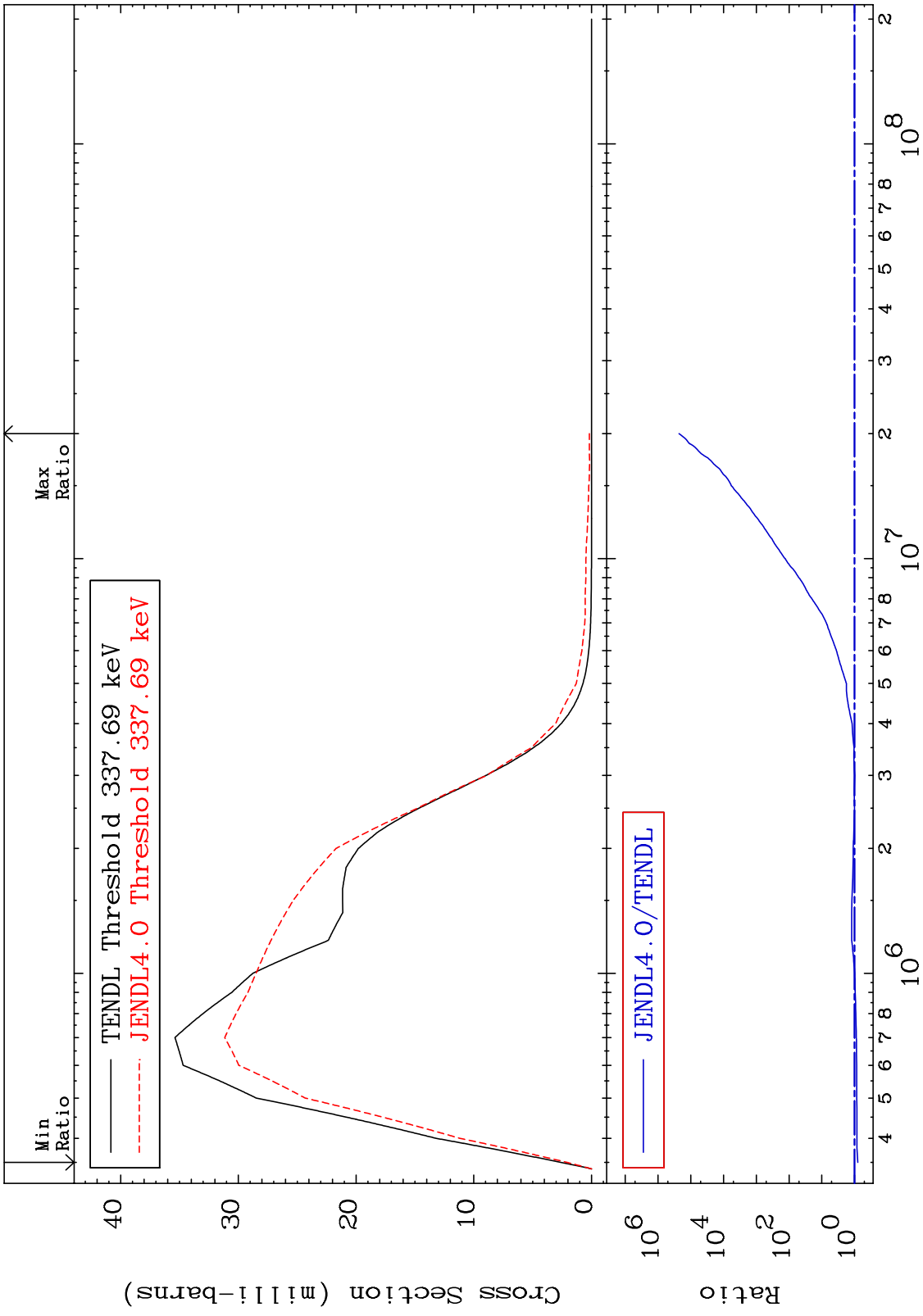


MAT 4128 MT= 57 (n,n') Level Cross Section -66.19 To 9999. % 41-Nb-94

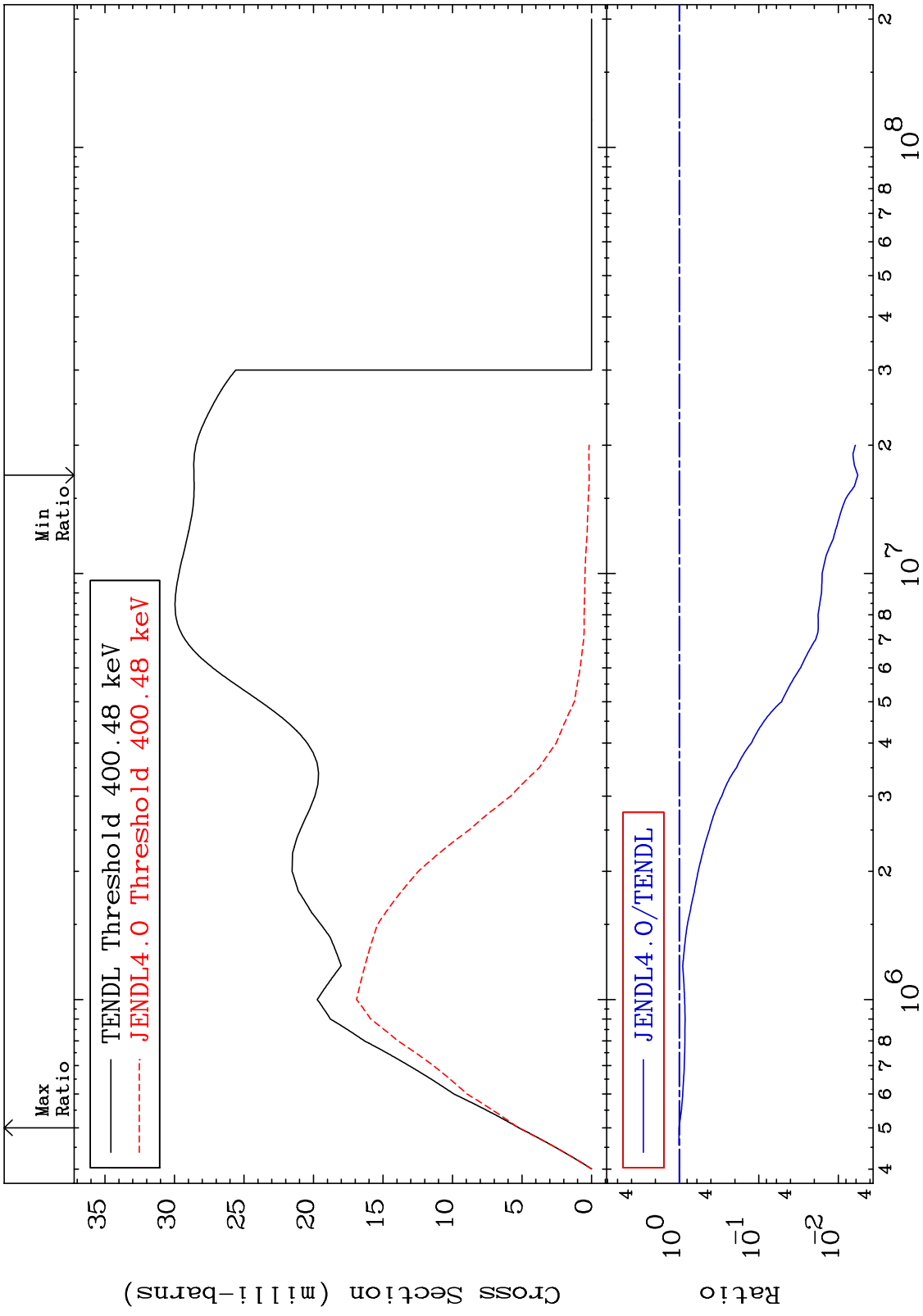




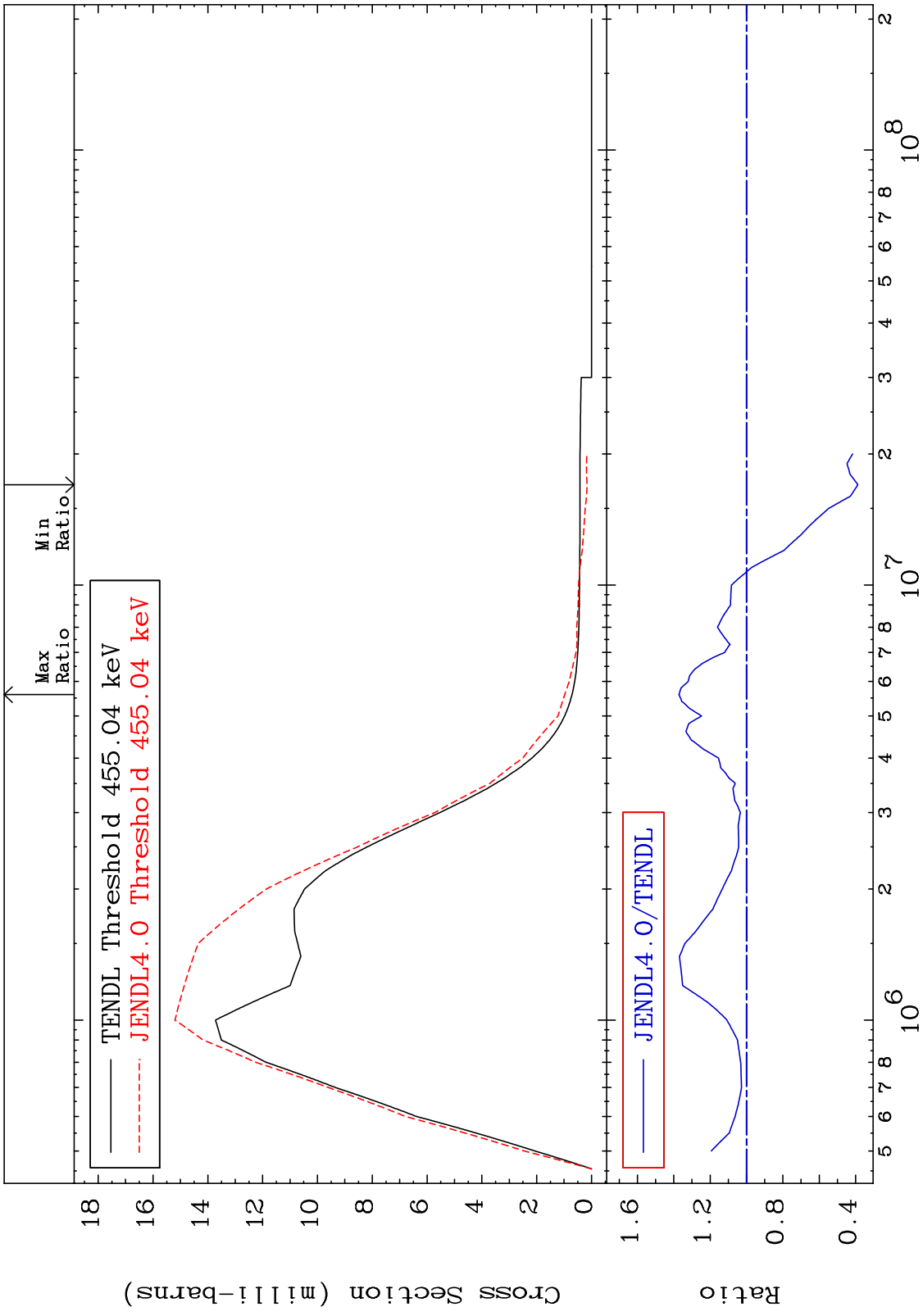
MAT 4128 MT= 58 (n,n') Level Cross Section -20.62 To 9999. % 41-Nb-94



MAT 4128 MT= 59 (n,n') Level Cross Section 41-Nb-94 -99.43 To 0.765 %

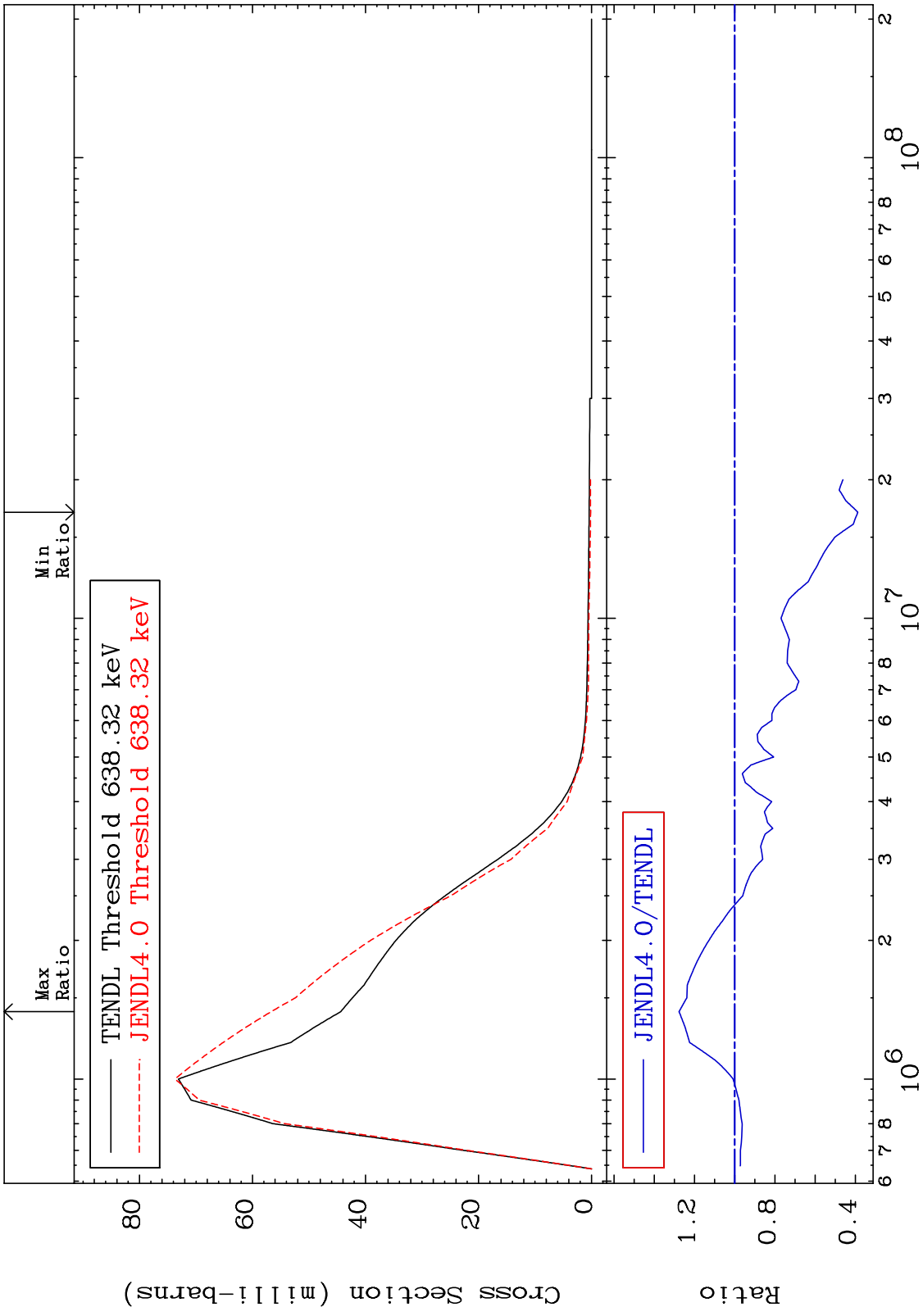


MAT 4128 MT= 60 (n,n') Level Cross Section -61.25 To 37.11 % 41-Nb-94



18 41-Nb-94

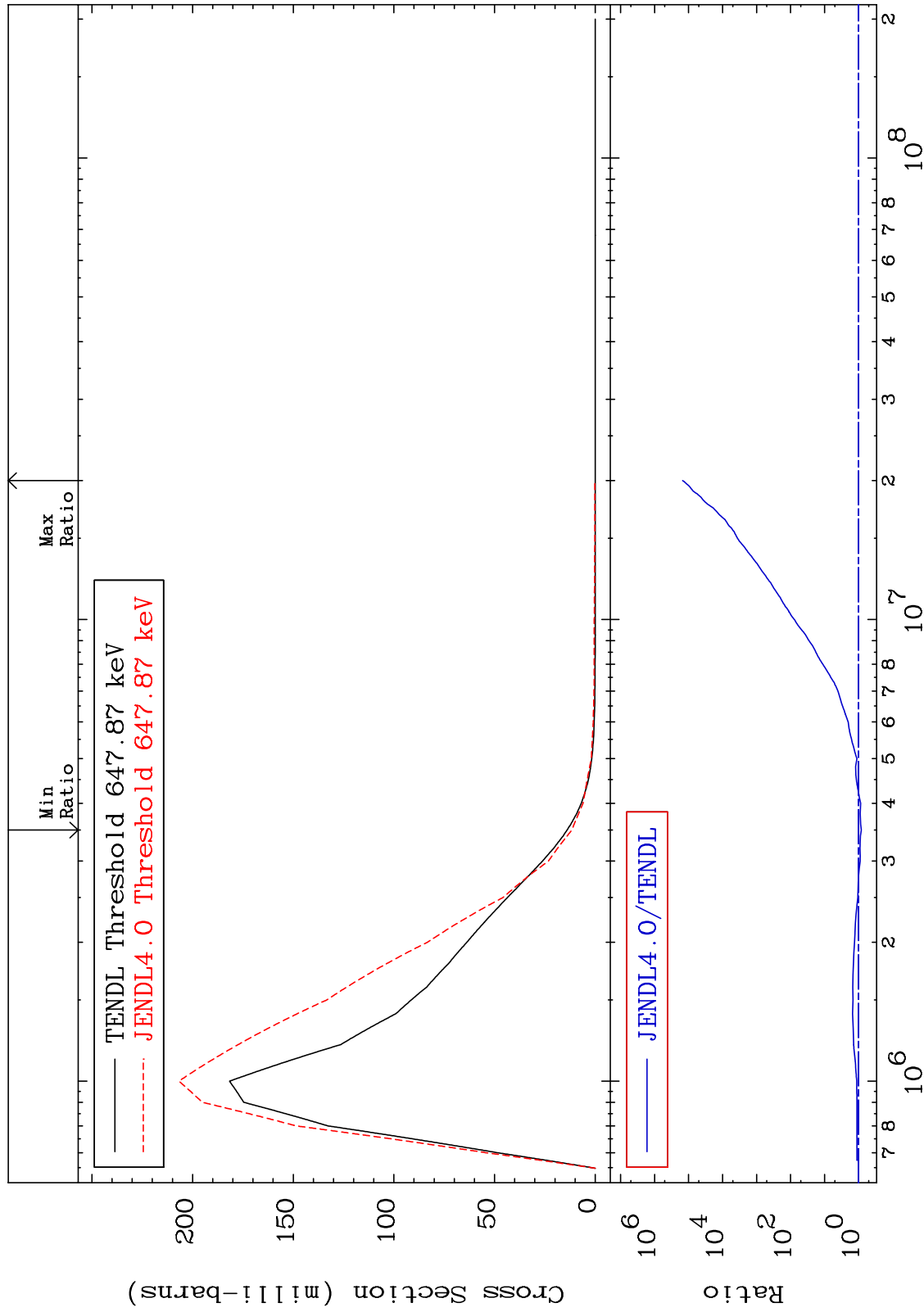
MAT 4128 MT= 61 (n,n') Level Cross Section -61.17 To 27.72 % 41-Nb-94



MAT 4128

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

41-Nb-94  
-17.18 To 9999. %

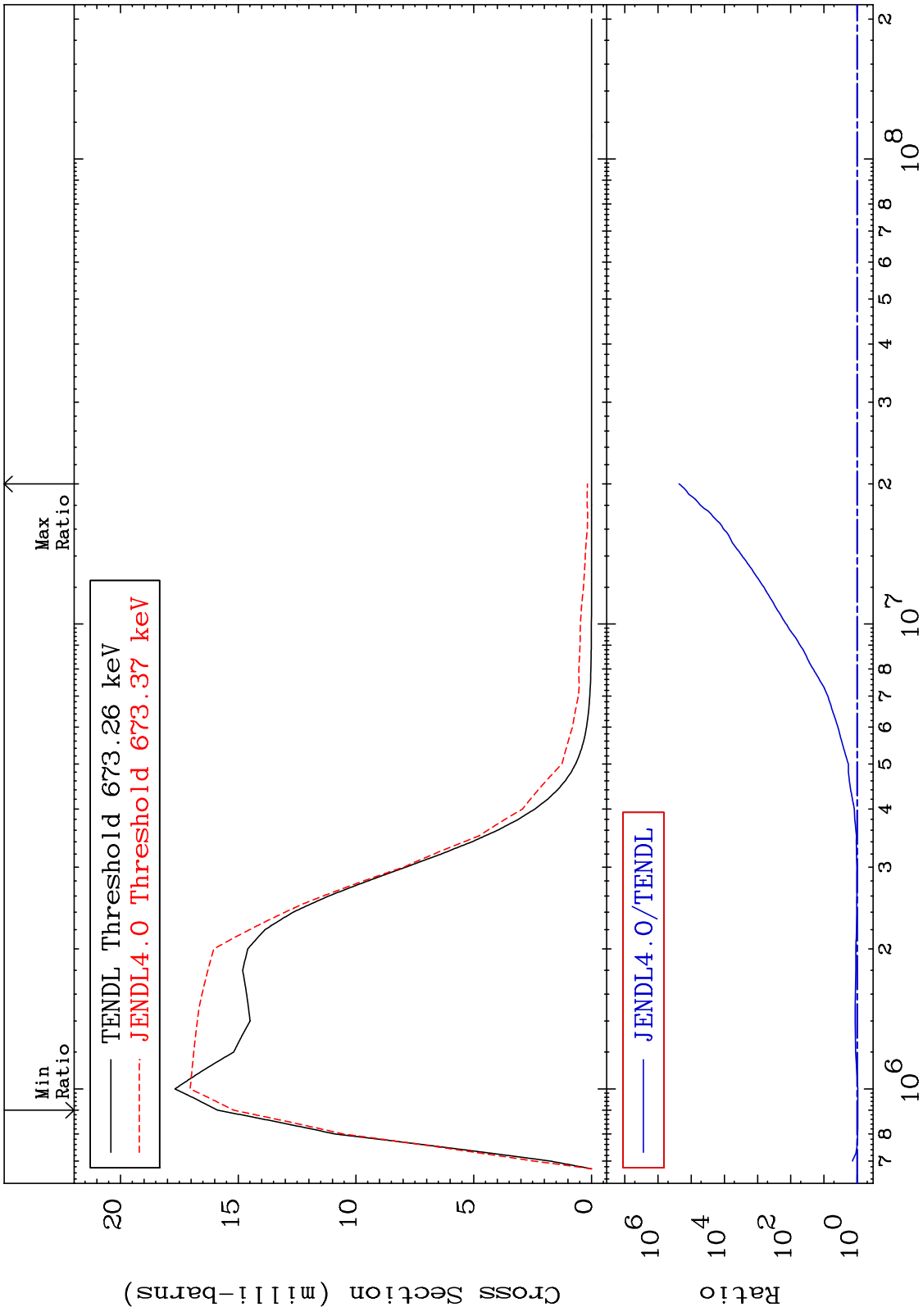


20

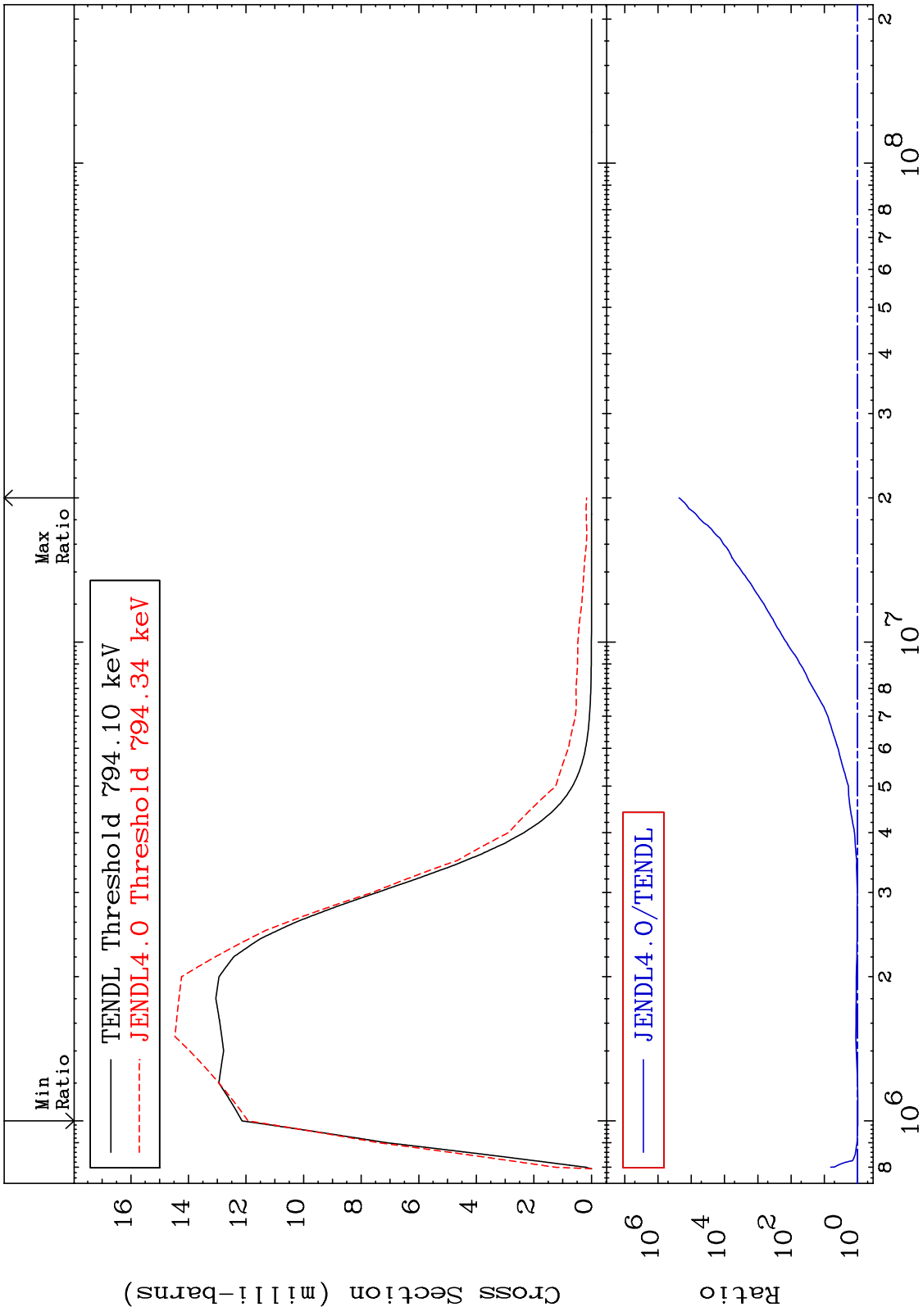
Incident Energy (eV)

41-Nb-94

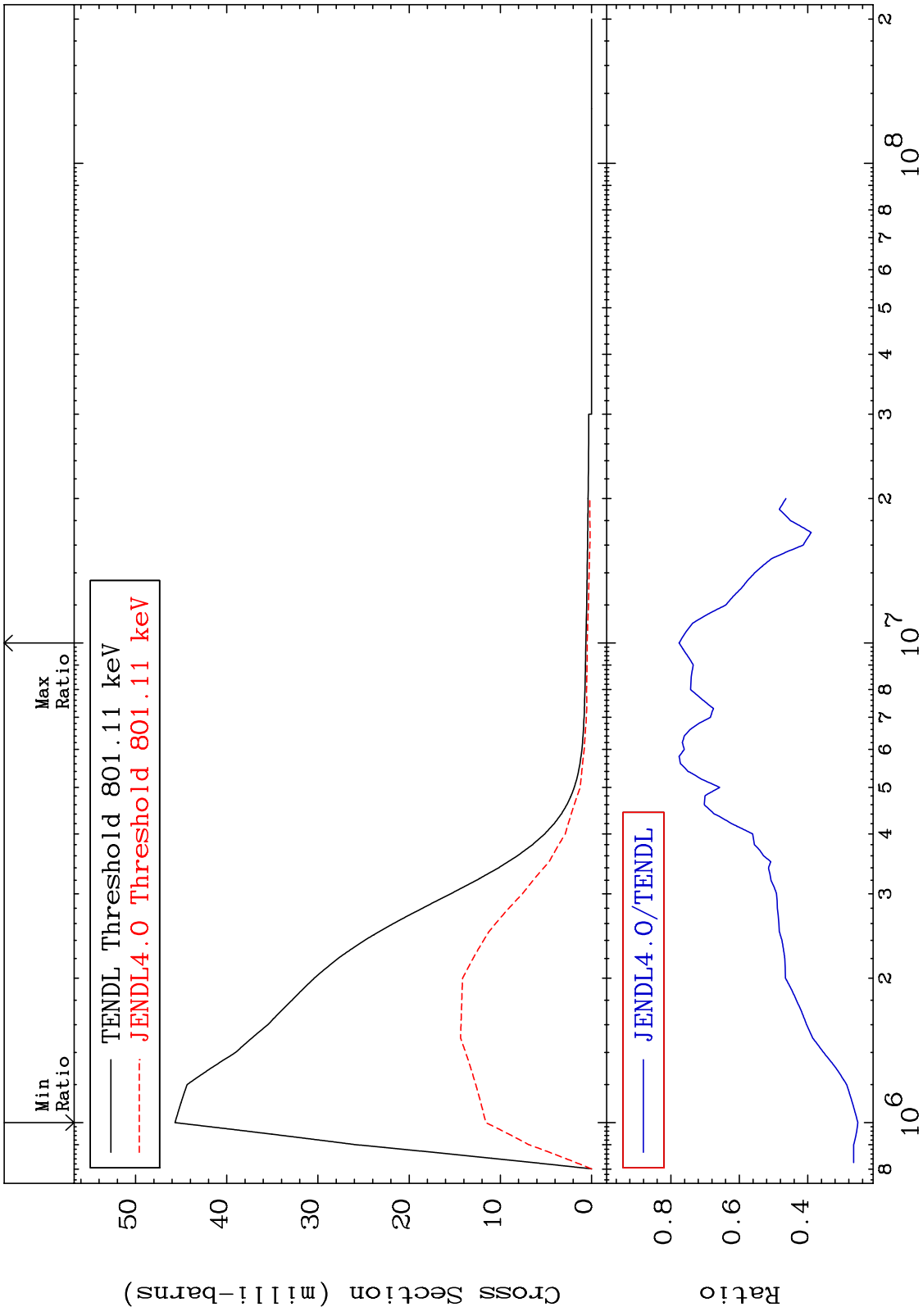
MAT 4128 MT= 63 (n,n') Level Cross Section -4.270 To 9999. % 41-Nb-94



MAT 4128 MT= 64 (n,n') Level Cross Section -1.716 To 9999. % 41-Nb-94



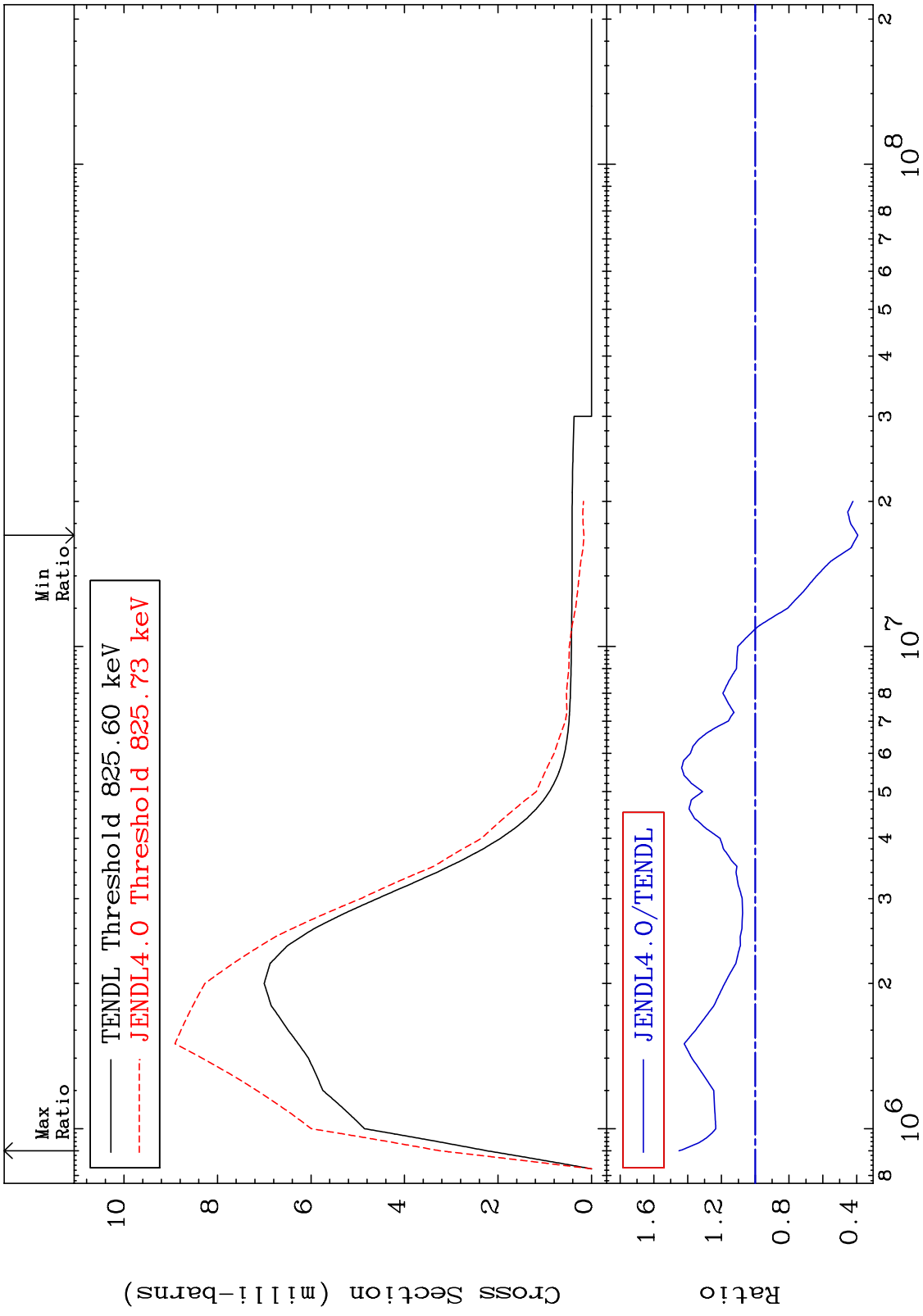
MAT 4128 MT= 65 (n,n') Level Cross Section 41-Nb-94 -74.63 To -22.38%



23 41-Nb-94



MAT 4128 MT= 66 (n,n') Level Cross Section -60.73 To 45.09 % 41-Nb-94

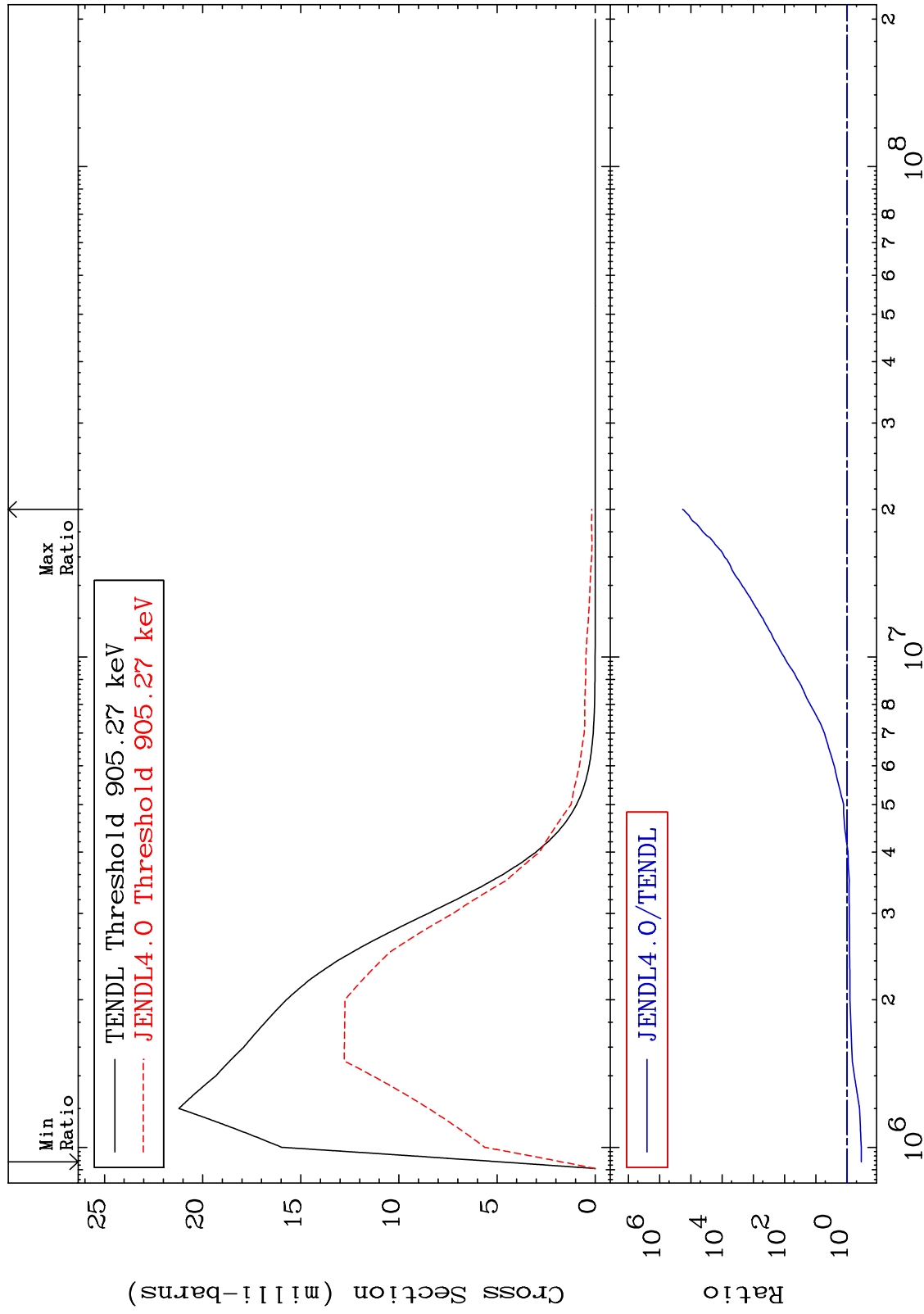


24 41-Nb-94

MAT 4128

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

41-Nb-94  
-64.76 To 9999. %

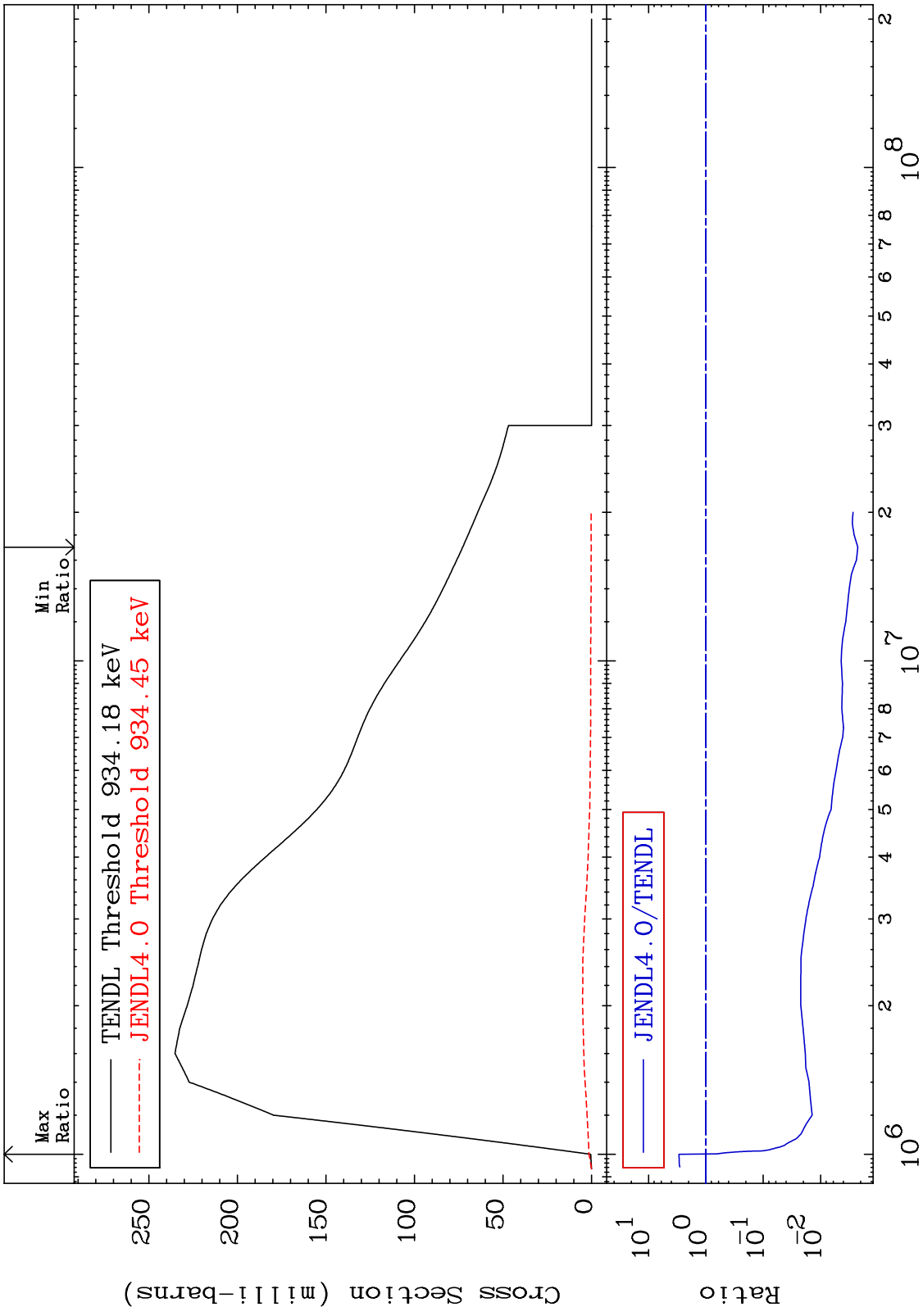


25

Incident Energy (eV)

41-Nb-94

MAT 4128 MT= 68 (n,n') Level Cross Section 41-Nb-94 -99.78 To 193.9 %

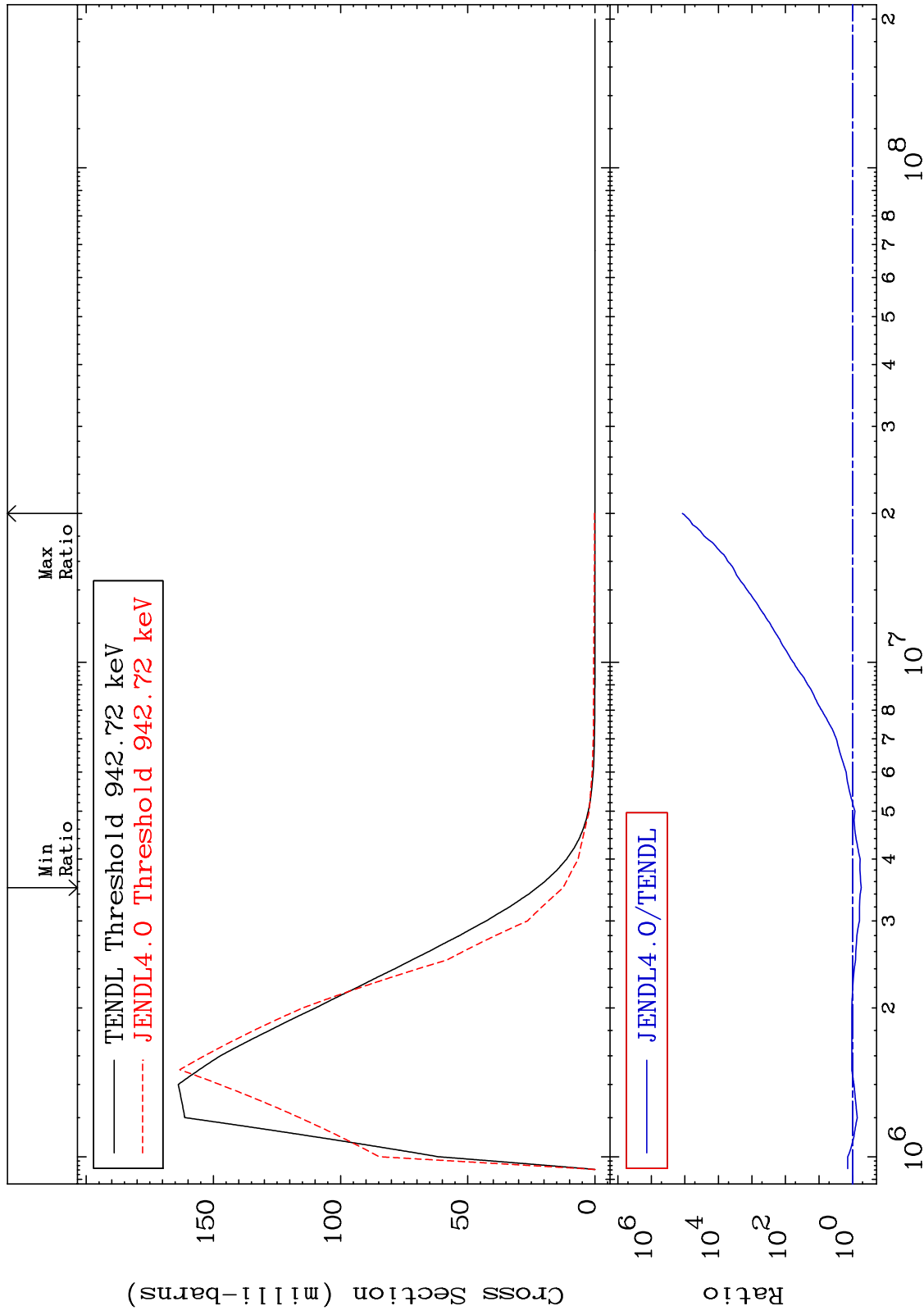


26 41-Nb-94

MAT 4128

MT= 69 (n,n') Level  
Cross Section

41-Nb-94  
-45.45 To 9999. %

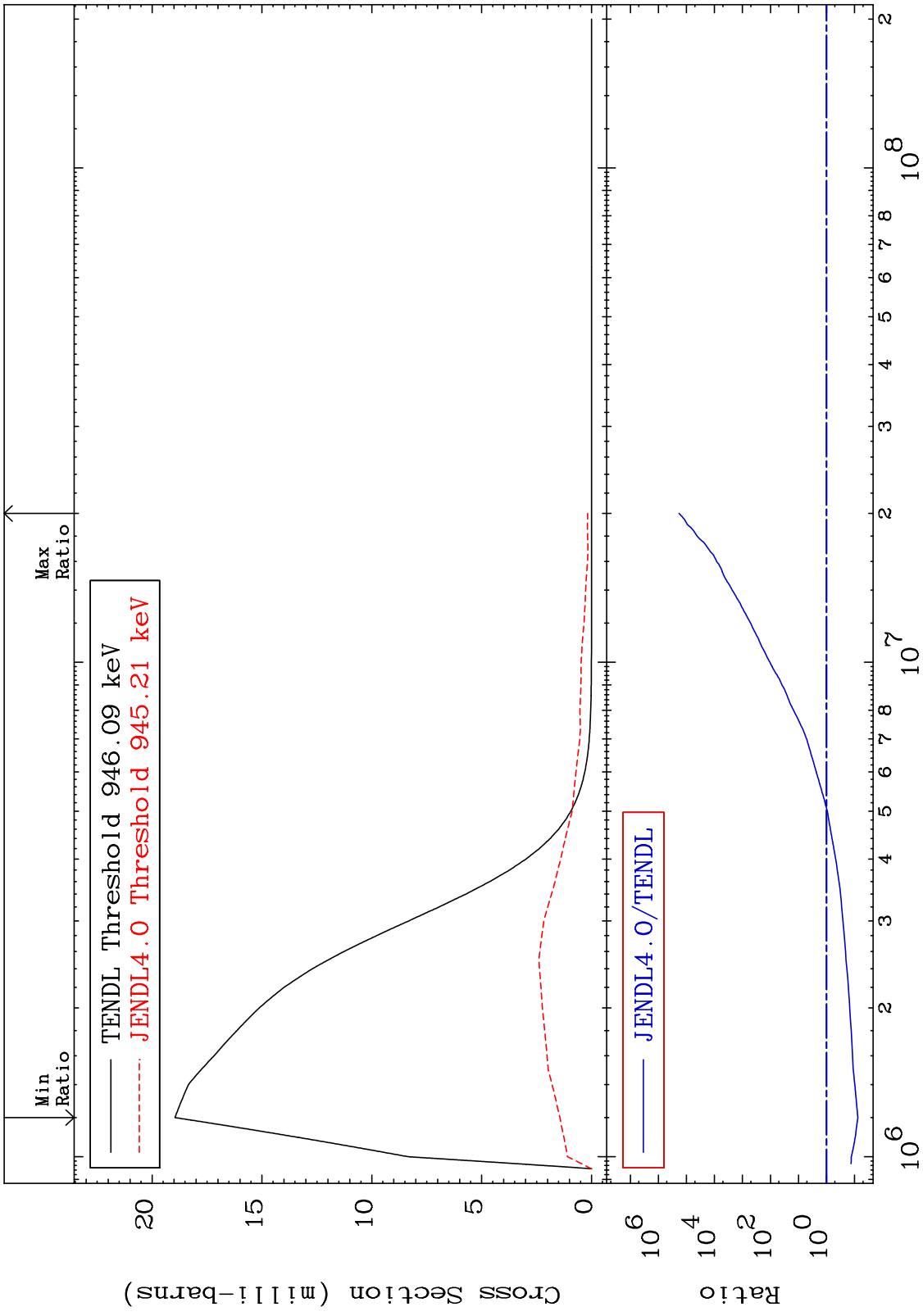


27

Incident Energy (eV)

41-Nb-94

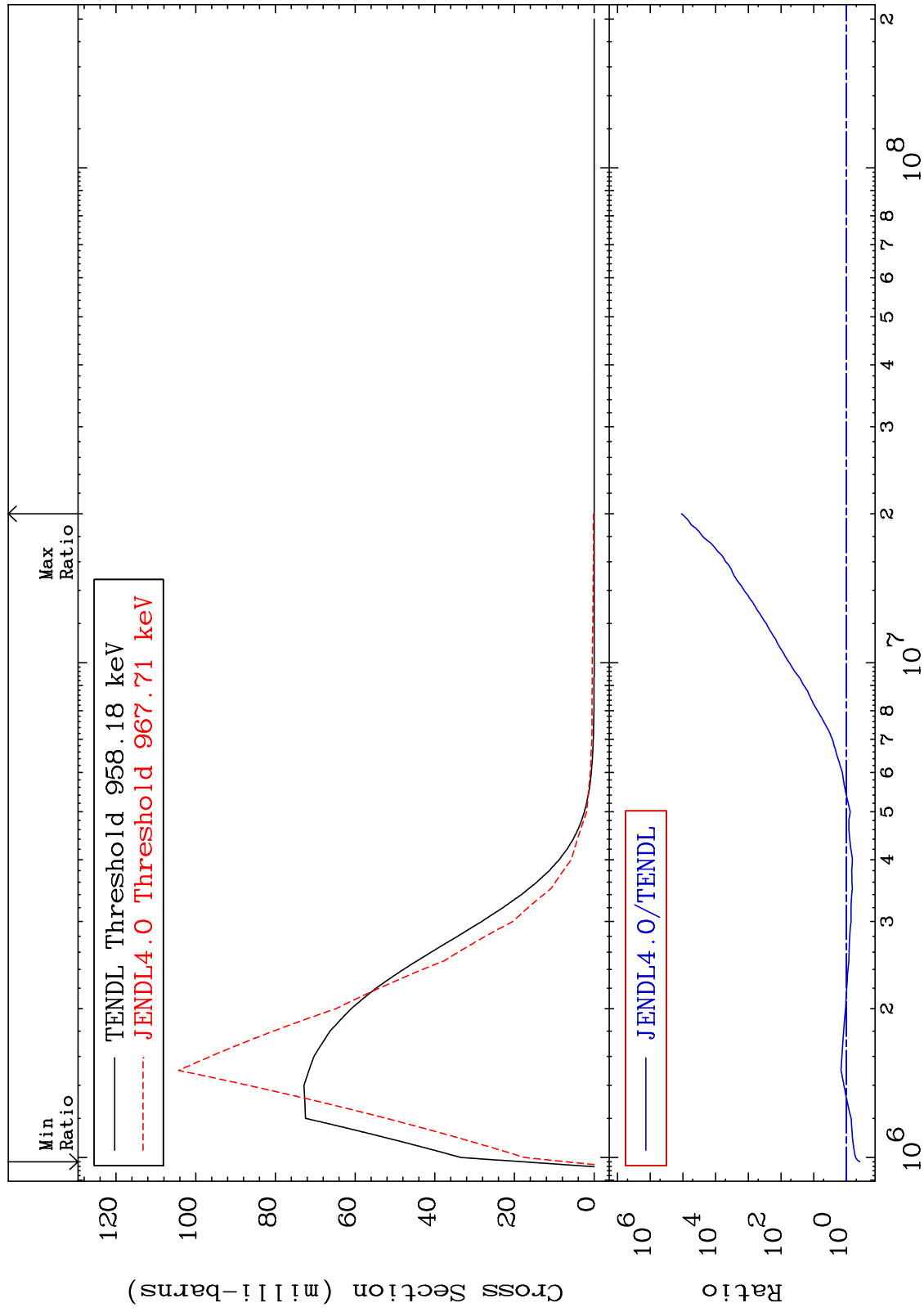
MAT 4128 MT= 70 (n,n') Level Cross Section 41-Nb-94 -92.39 To 9999. %



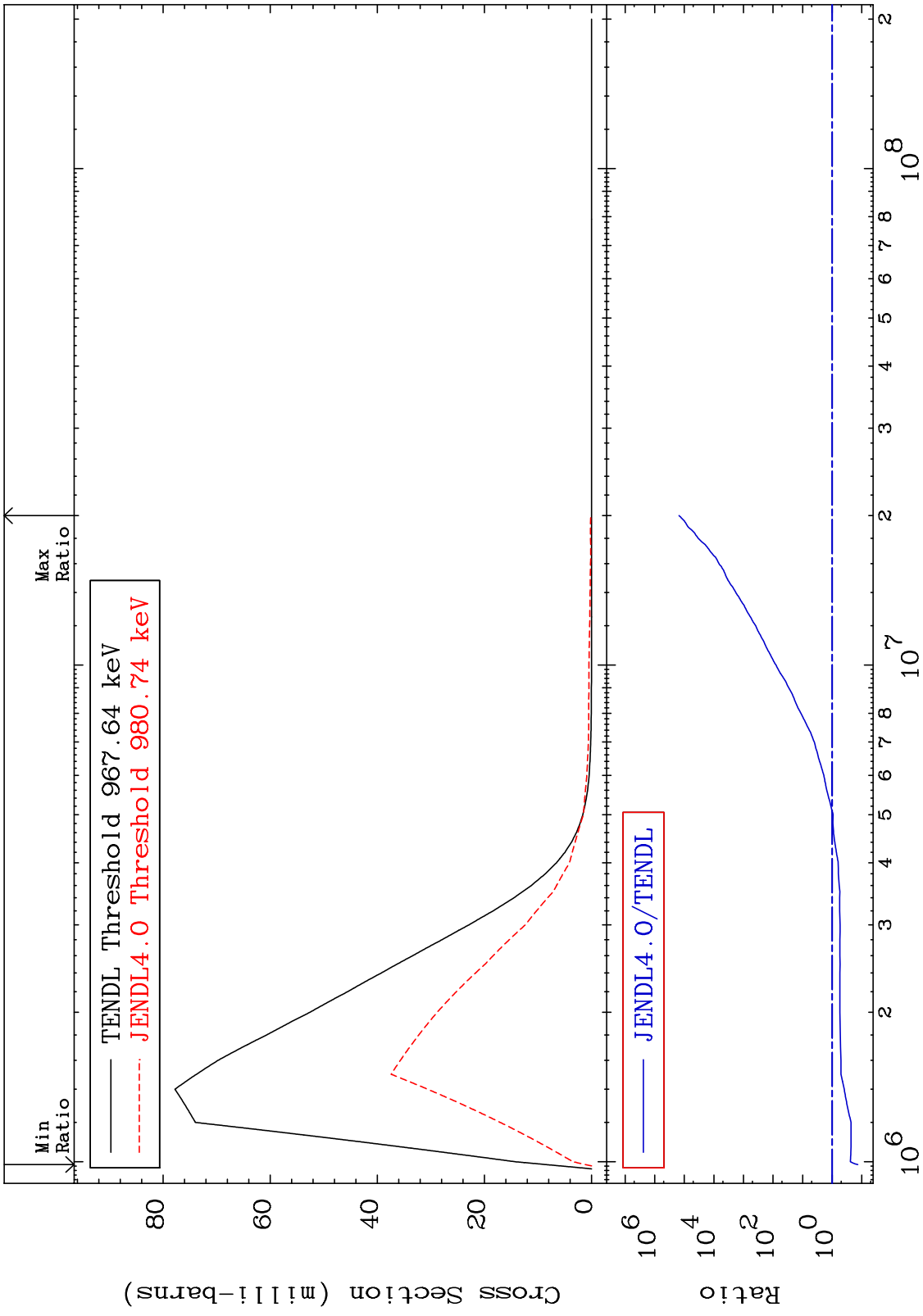
MAT 4128

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

41-Nb-94  
-61.02 To 9999. %

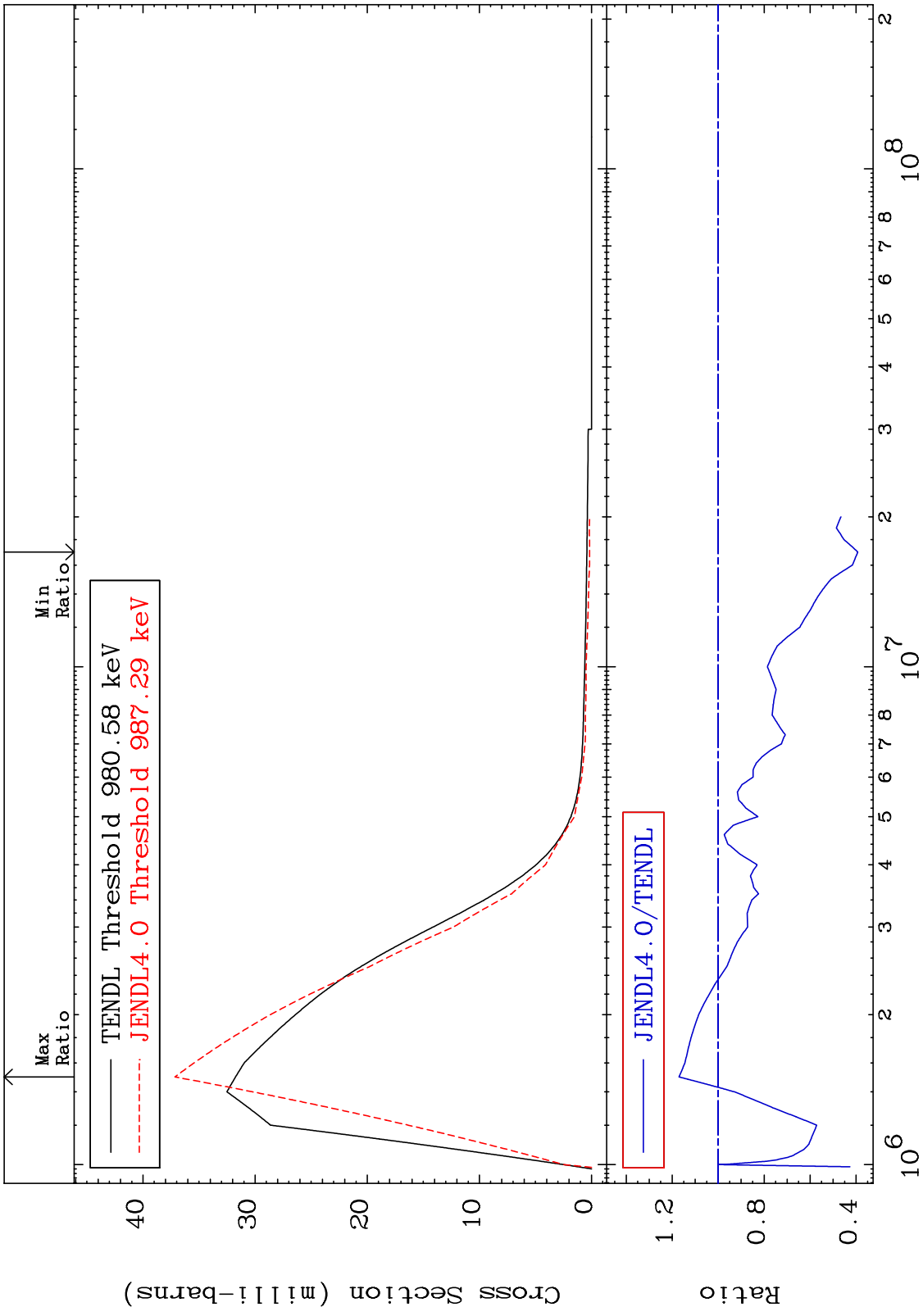


MAT 4128 MT= 72 (n,n') Level Cross Section 41-Nb-94 -86.36 To 9999. %



30 41-Nb-94

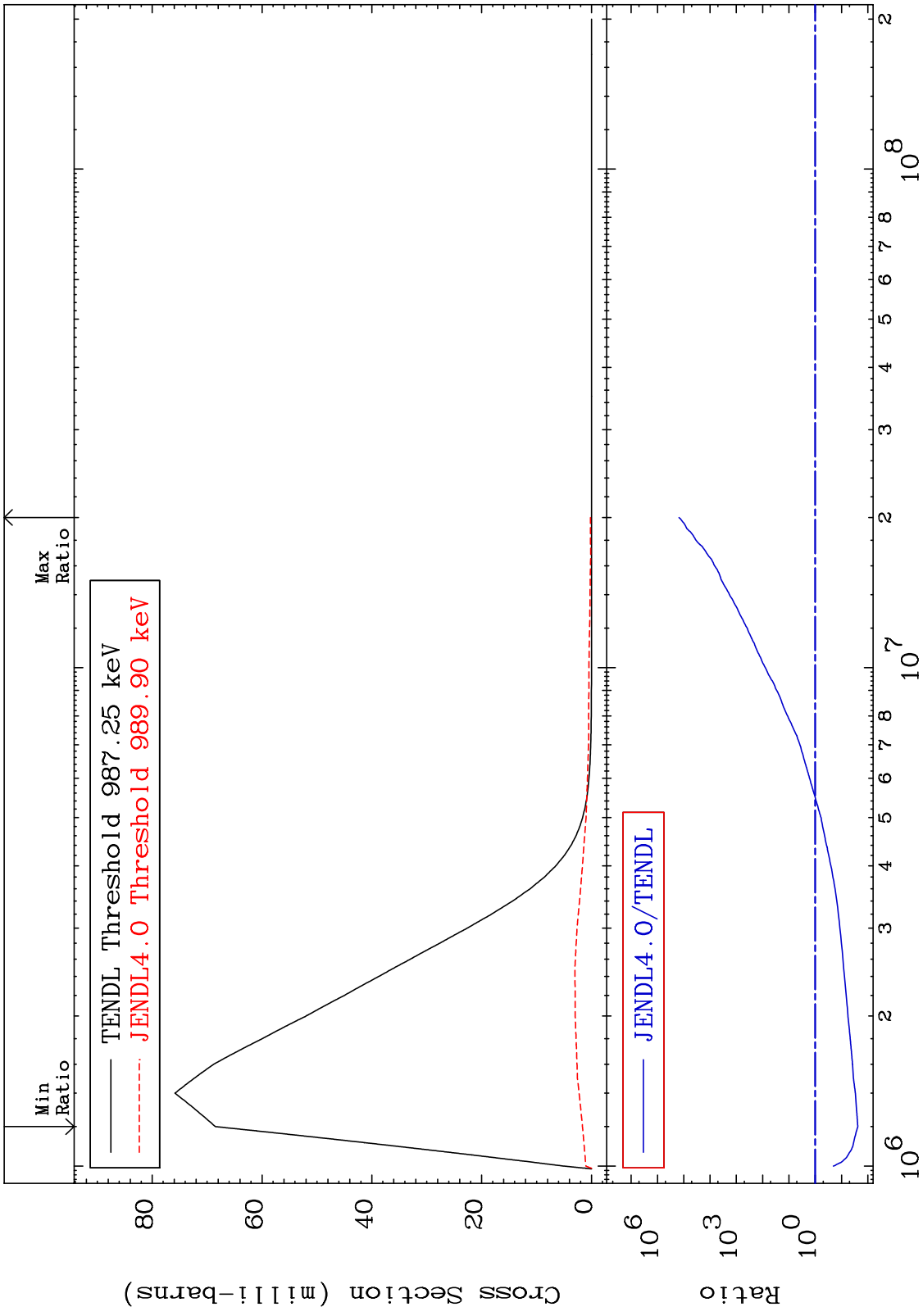
MAT 4128 MT= 73 (n,n') Level Cross Section 41-Nb-94 -60.76 To 17.03 %



31 41-Nb-94

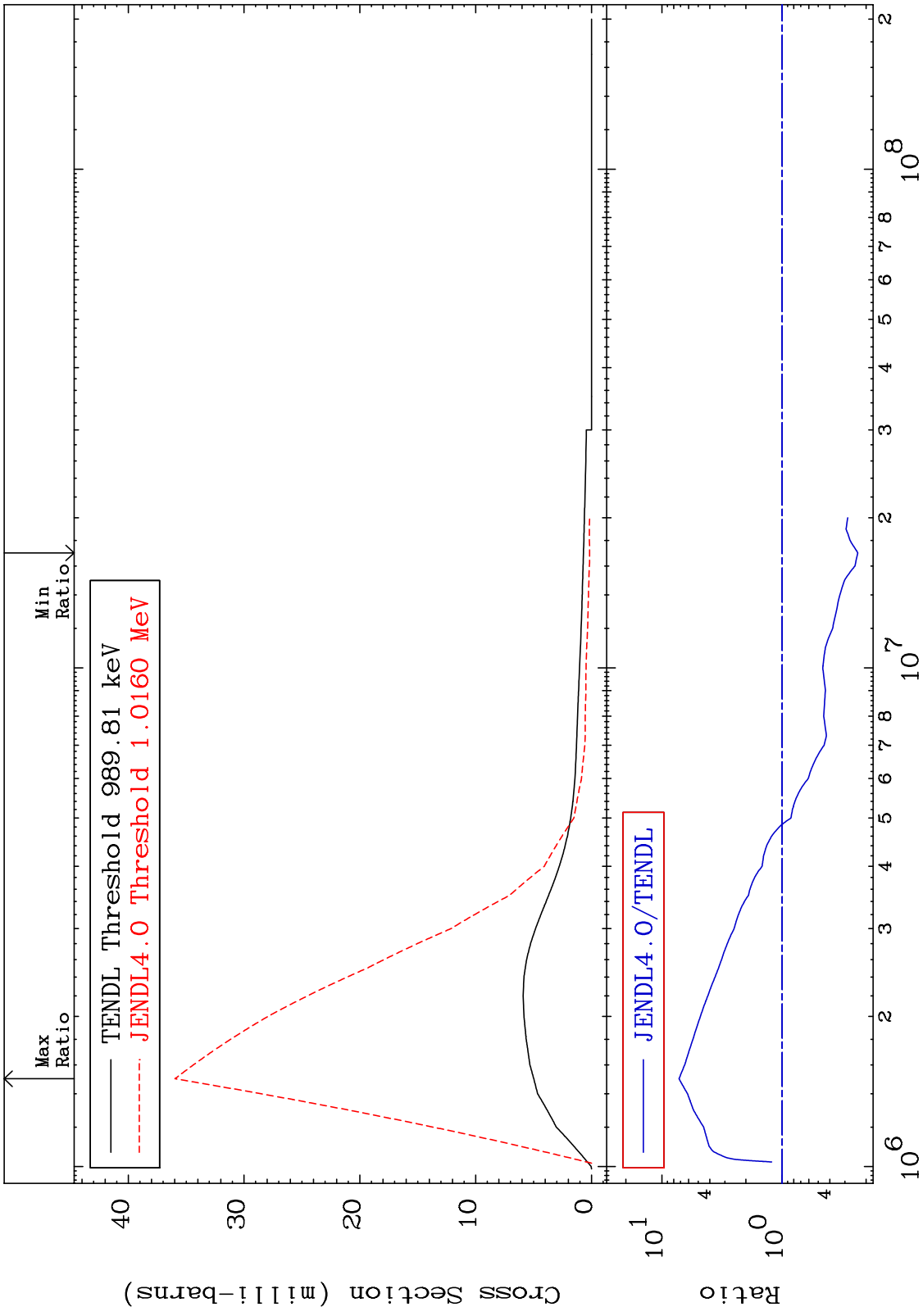


MAT 4128 MT= 74 (n,n') Level Cross Section -97.59 To 9999. % 41-Nb-94

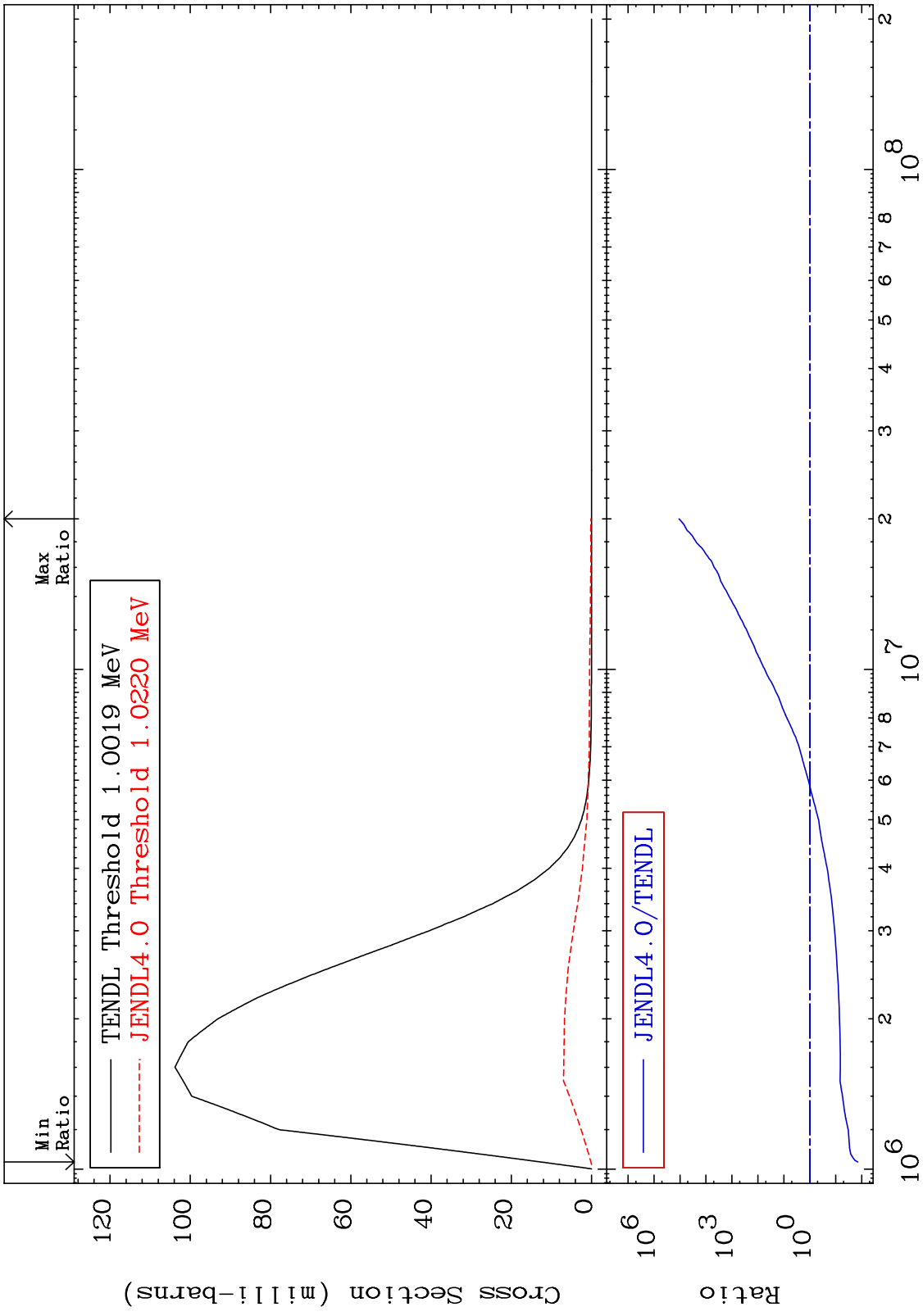


32 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 75 (n,n') Level Cross Section -76.61 To 621.1 % 41-Nb-94

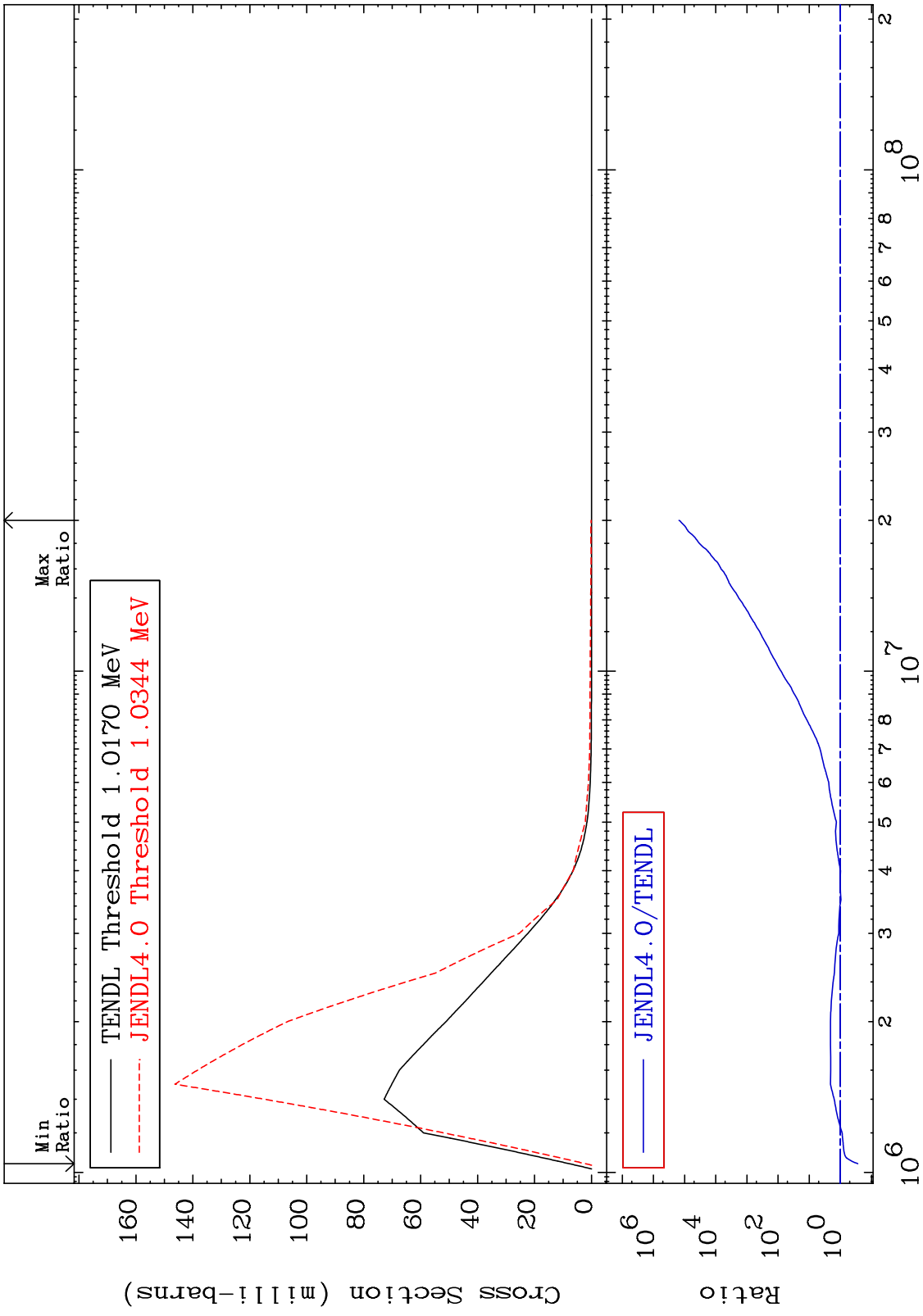


MAT 4128 MT= 76 (n,n') Level Cross Section -98.58 To 9999. % 41-Nb-94



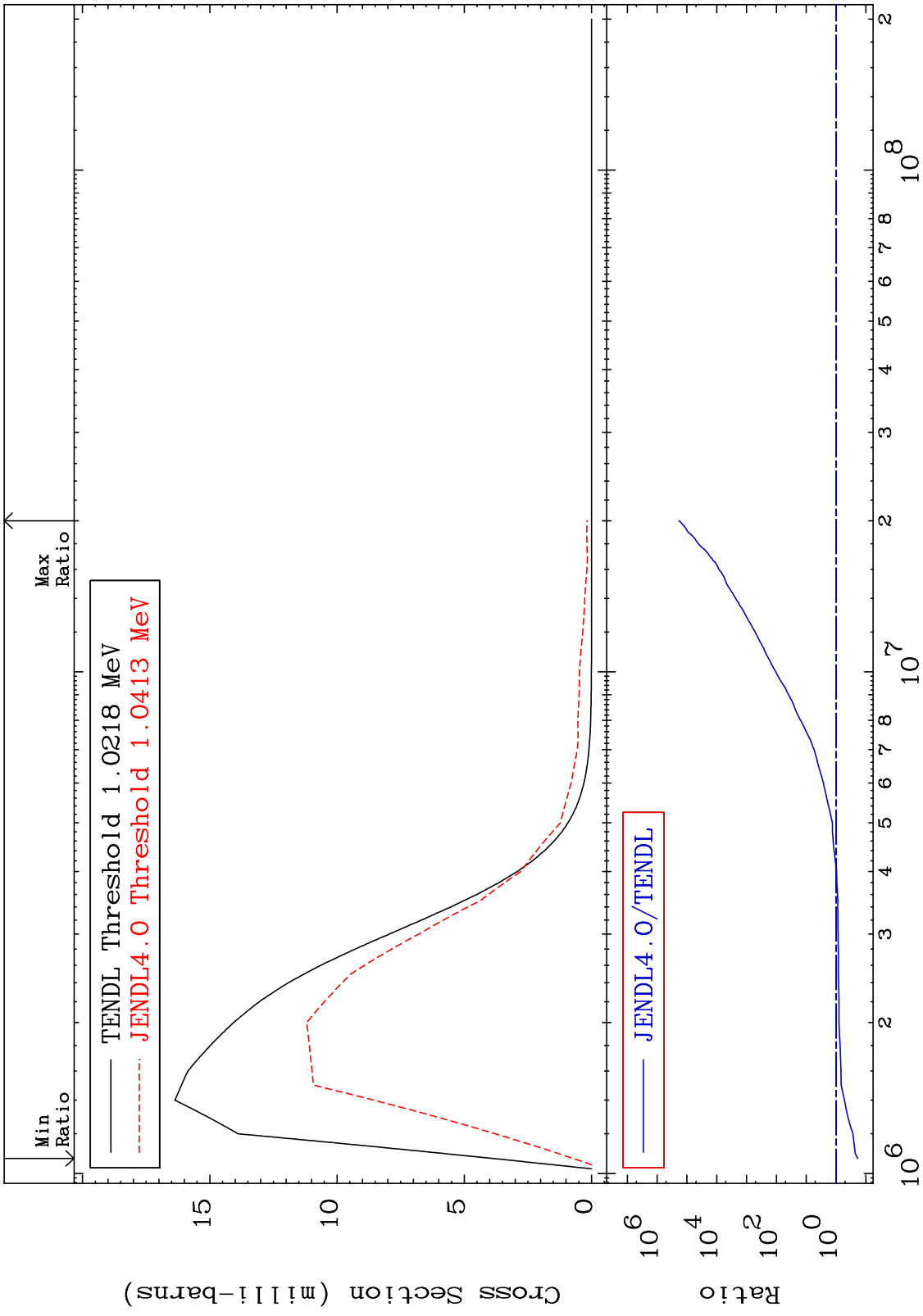
34 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 77 (n,n') Level Cross Section -72.48 To 9999. % 41-Nb-94



35 41-Nb-94

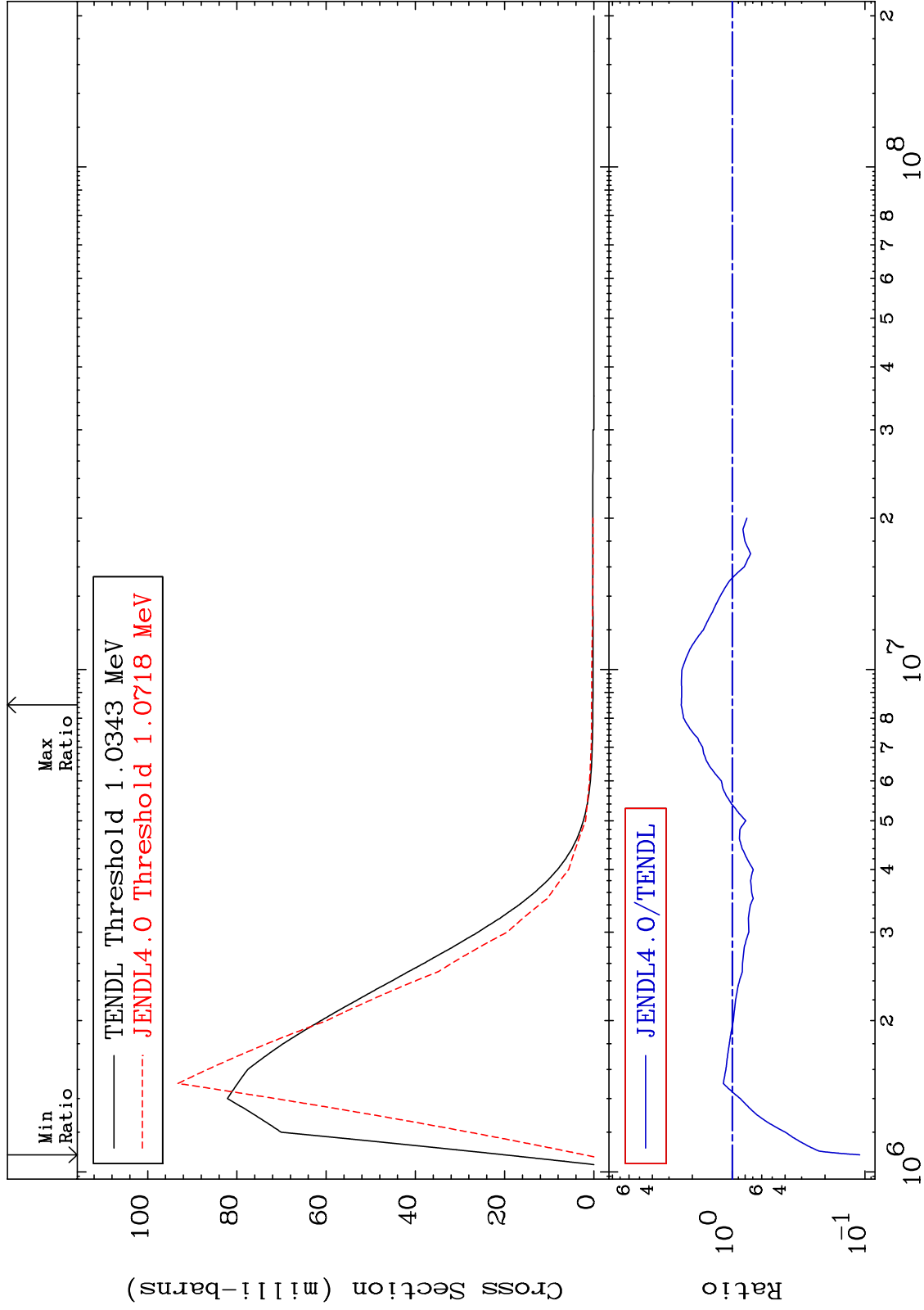
MAT 4128 MT= 78 (n,n') Level Cross Section -81.34 To 9999. % 41-Nb-94



MAT 4128

MT= 79 (n,n') Level  
Cross Section

41-Nb-94  
-89.06 To 142.1 %



37

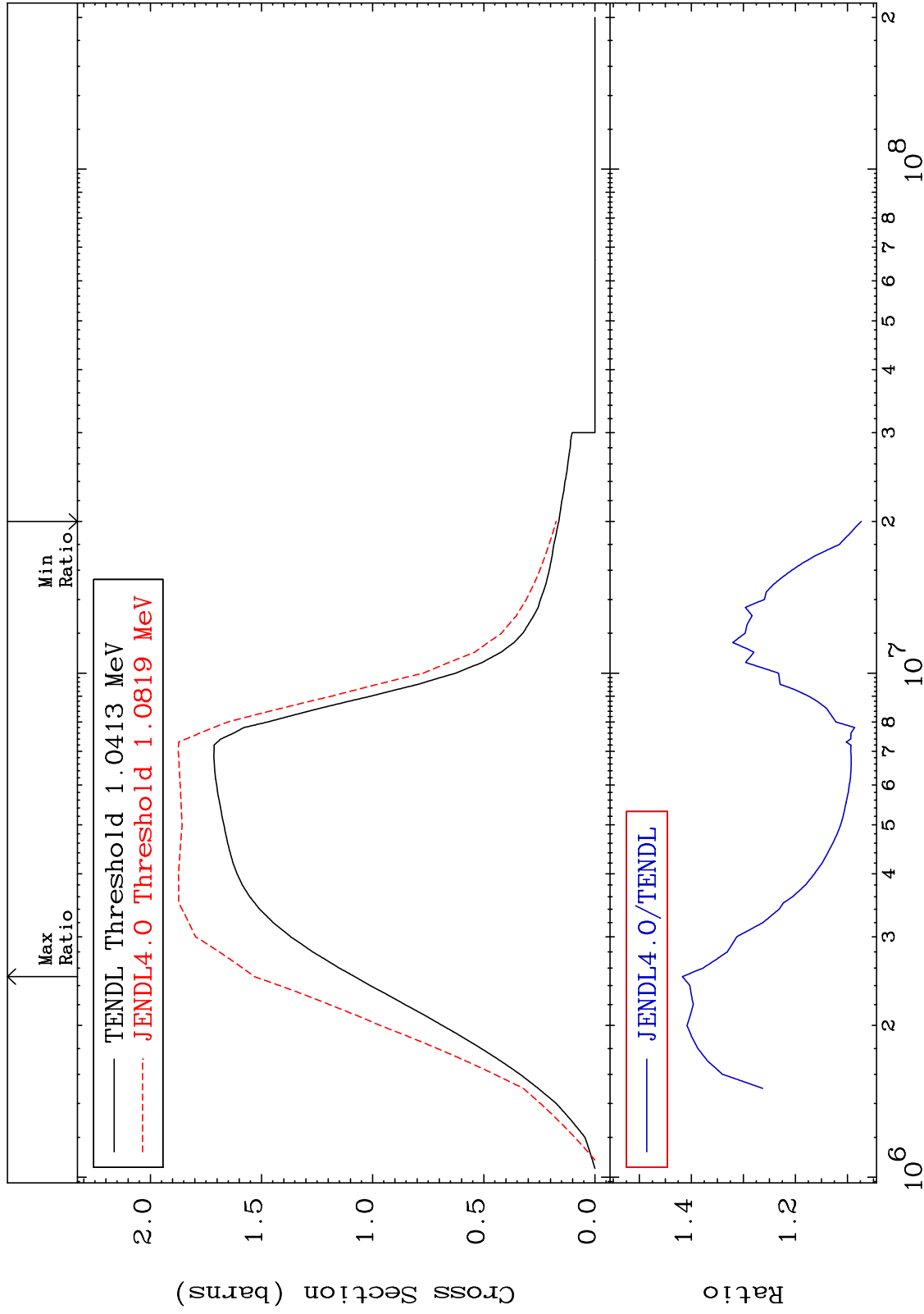
Incident Energy (eV)

41-Nb-94

MAT 4128

(n, n') Continuum  
Cross Section

41-Nb-94  
7.335 To 41.71 %



38

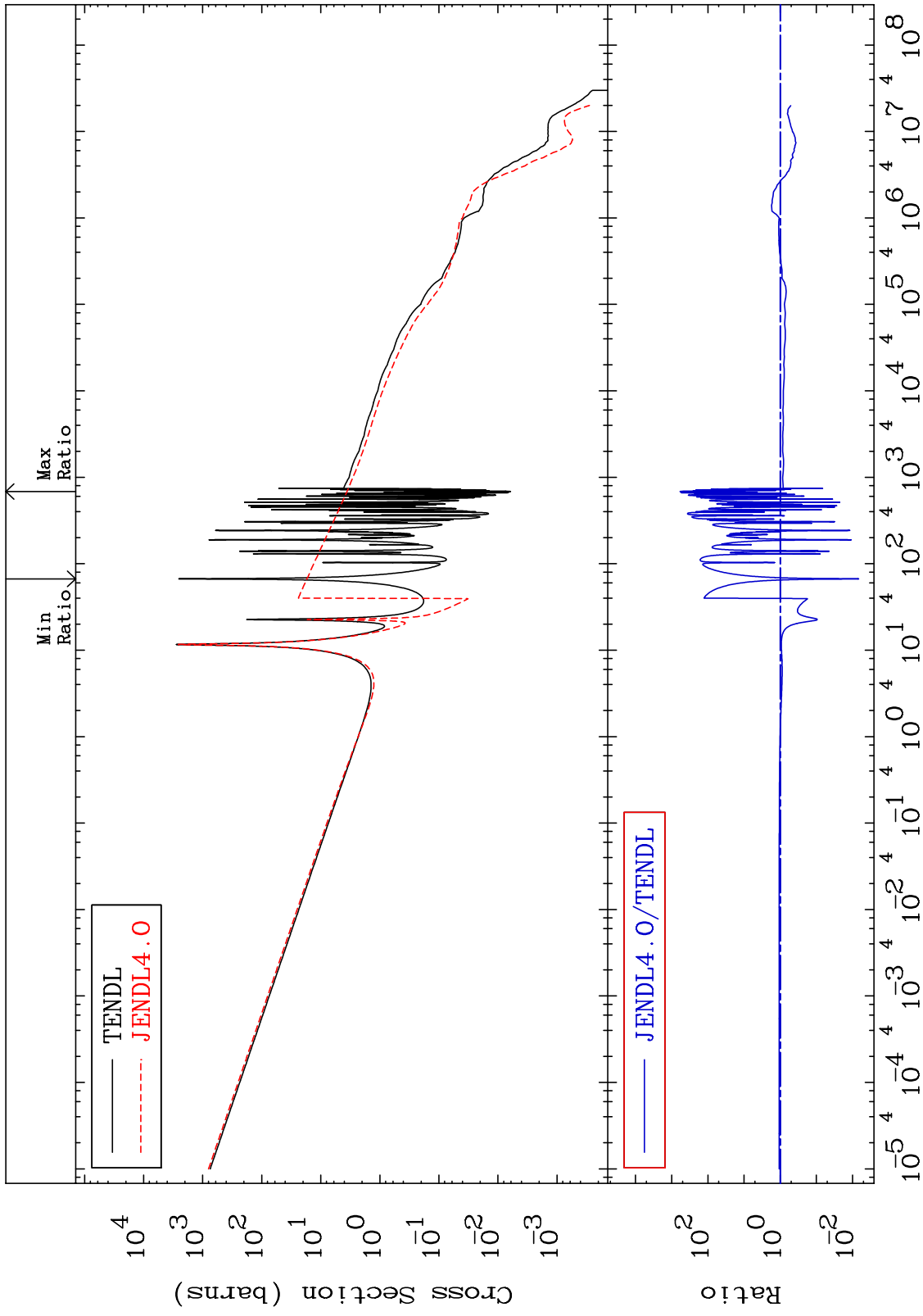
Incident Energy (eV)

41-Nb-94

MAT 4128

(n,  $\gamma$ )  
Cross Section

41-Nb-94  
-99.33 To 9999. %





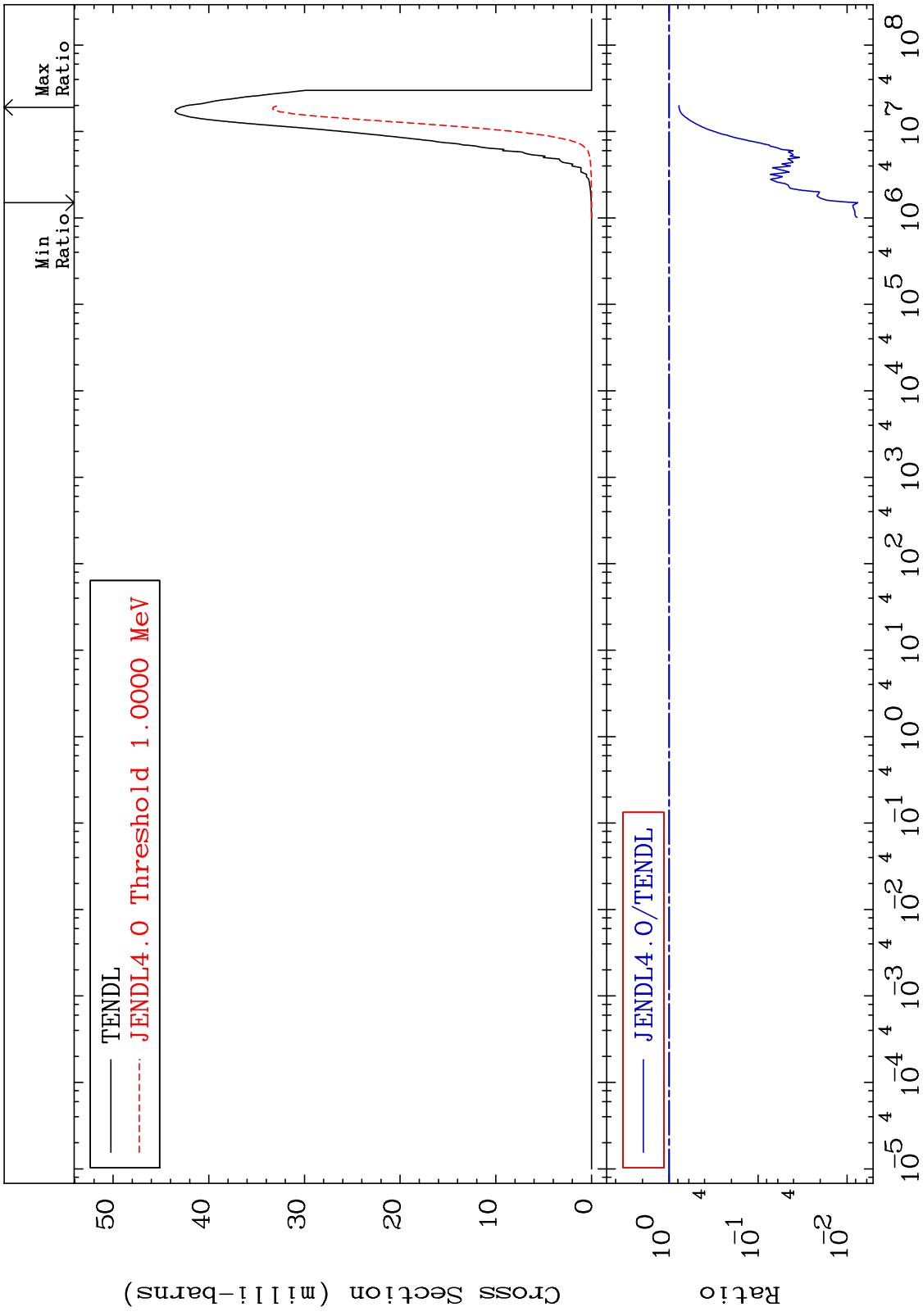
MAT 4128

(n,p)

41-Nb-94

Cross Section

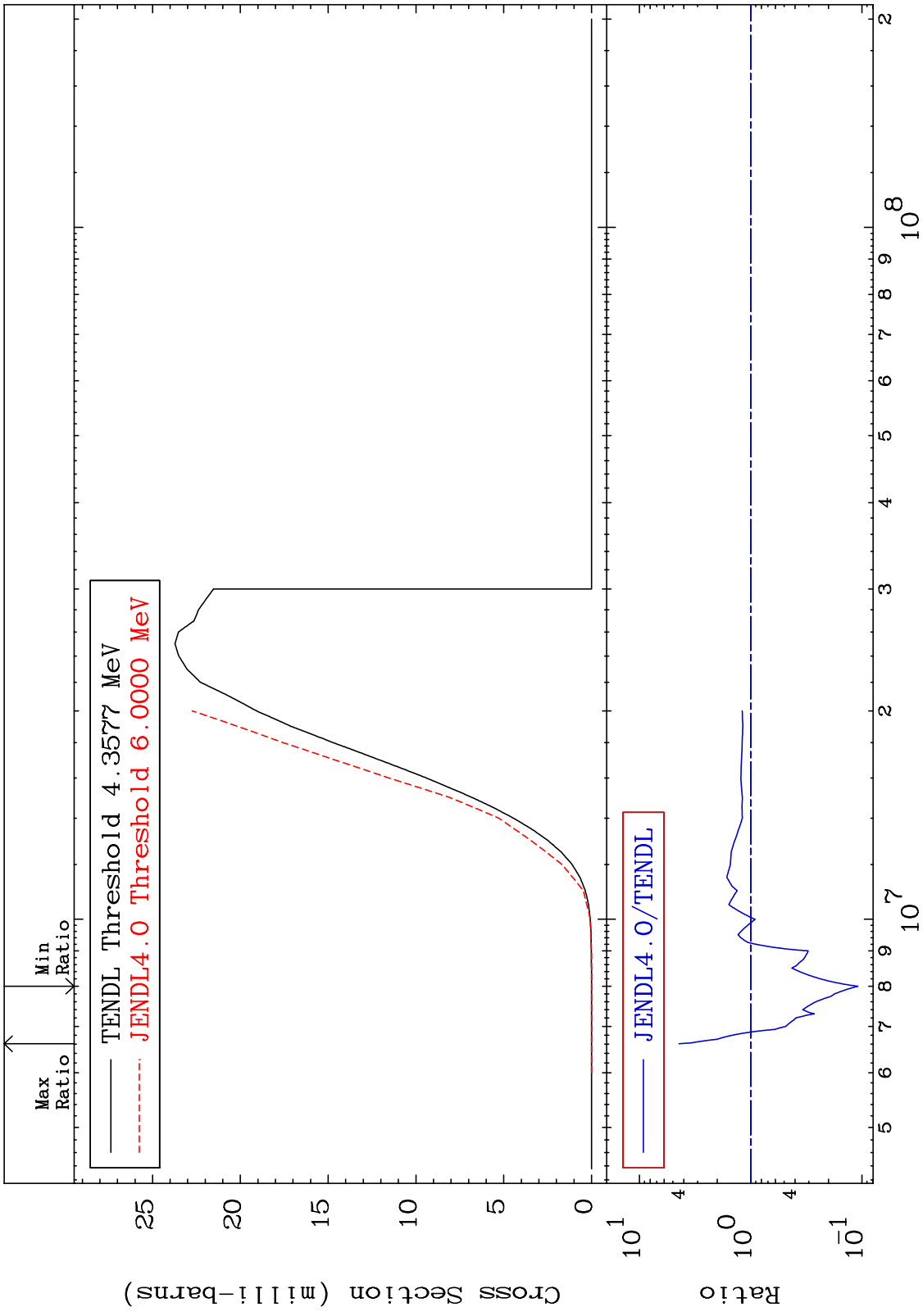
-99.24 To -22.55%



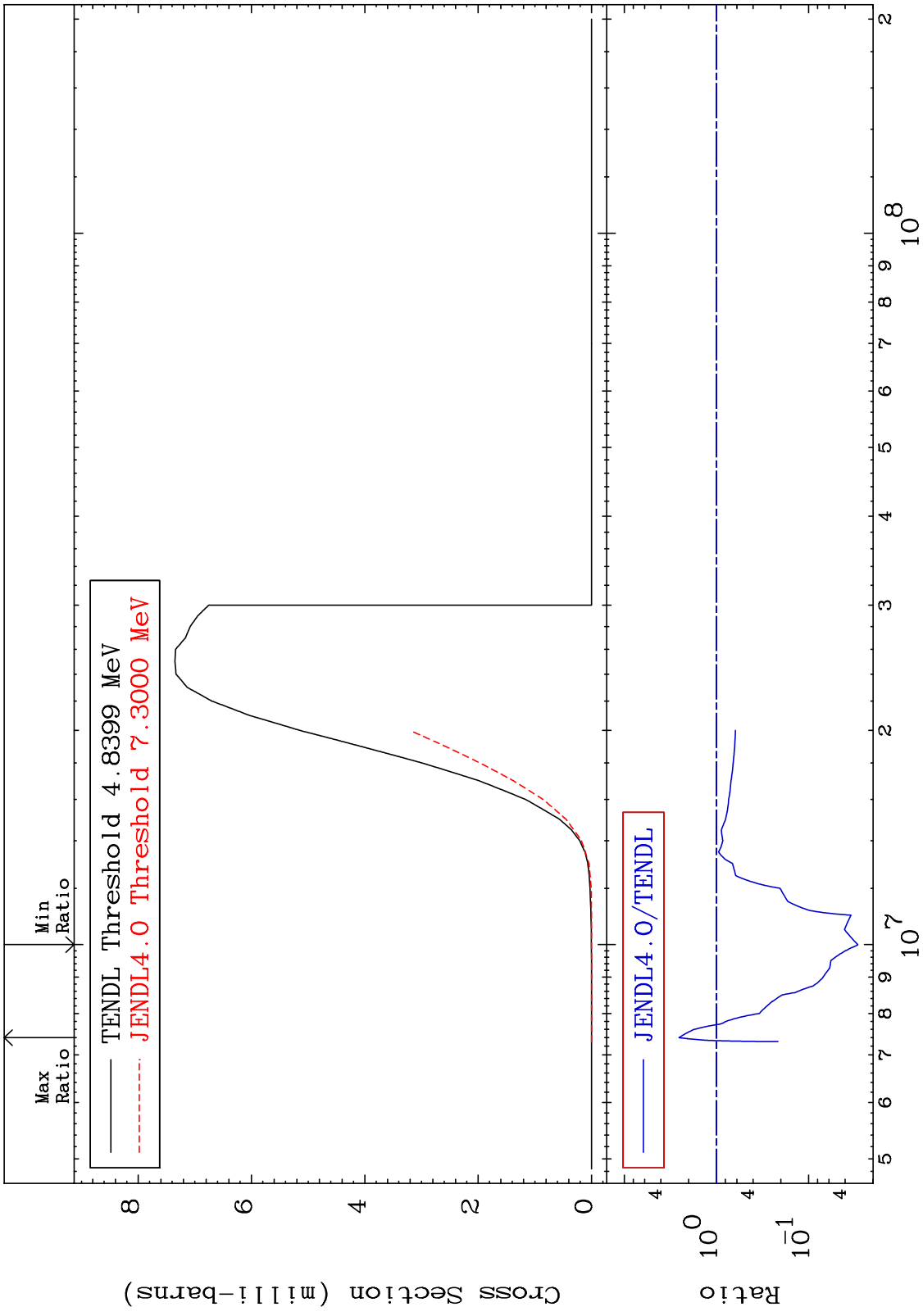
40

41-Nb-94

MAT 4128 (n,d) 41-Nb-94 -89.10 To 340.5 % Cross Section



41 41-Nb-94



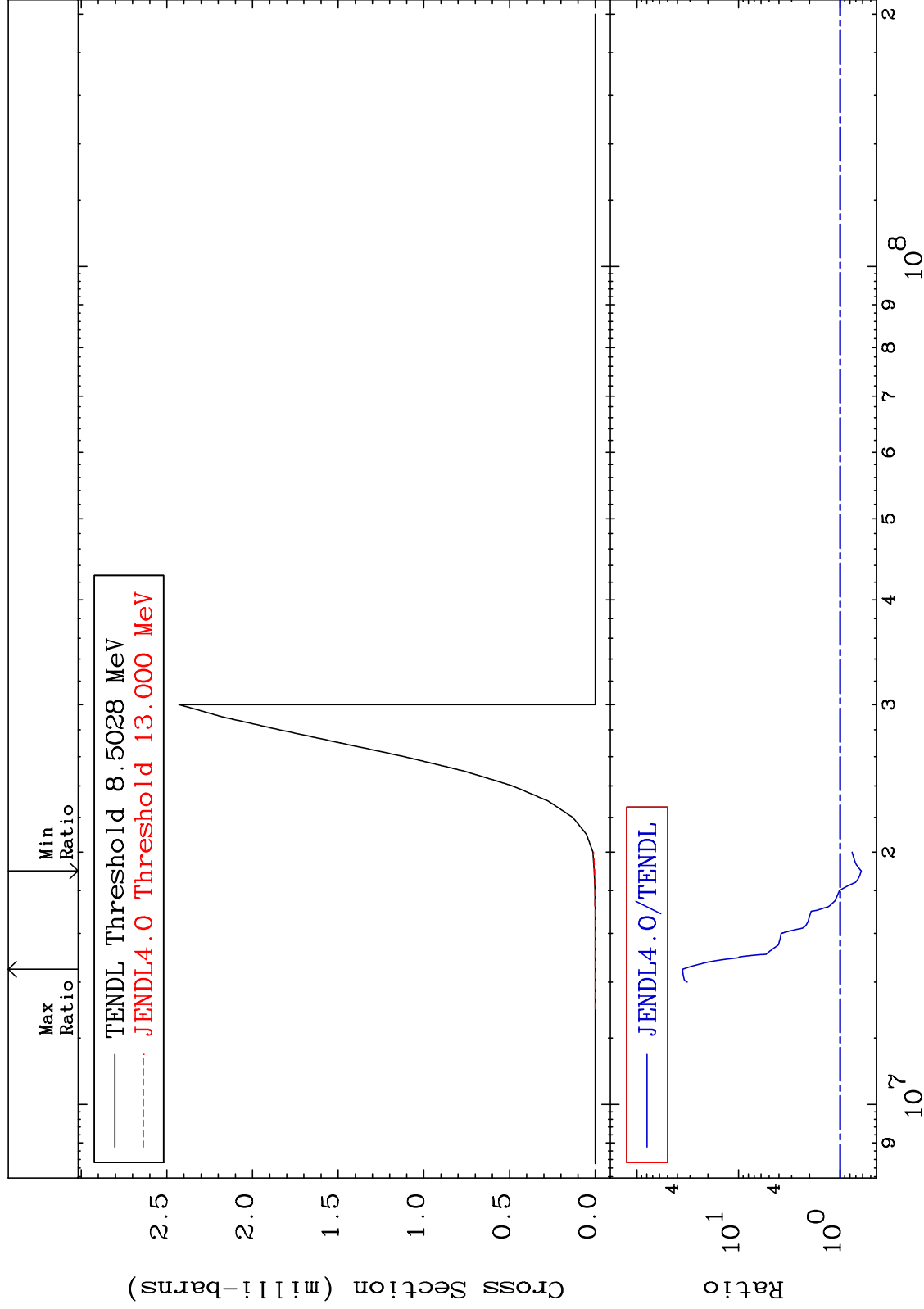
MAT 4128

(n,He-3)

41-Nb-94

Cross Section

-38.27 To 3449. %



43

Incident Energy (eV)

41-Nb-94

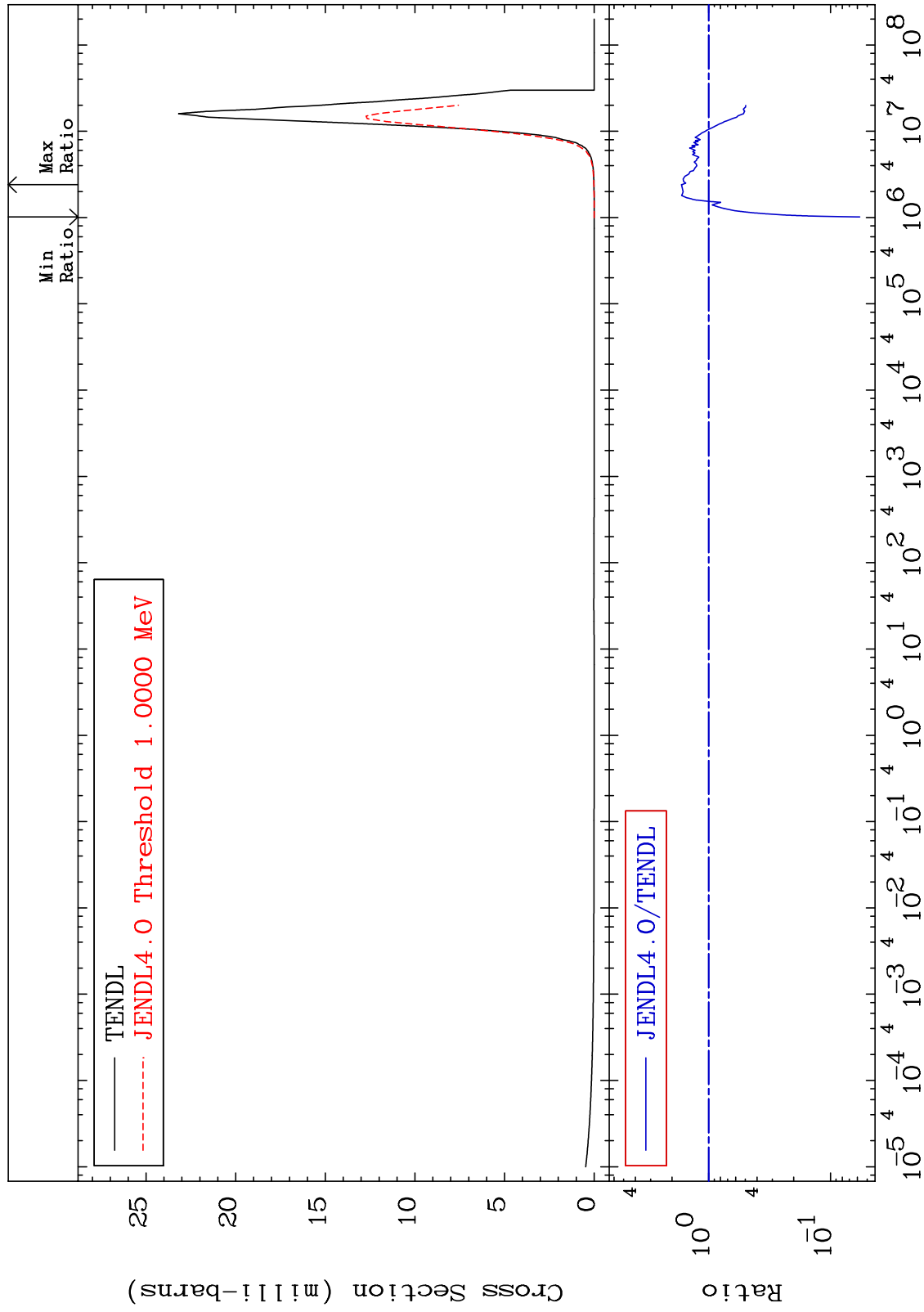
MAT 4128

(n,  $\alpha$ )

41-Nb-94

Cross Section

-94.26 To 67.47 %



44

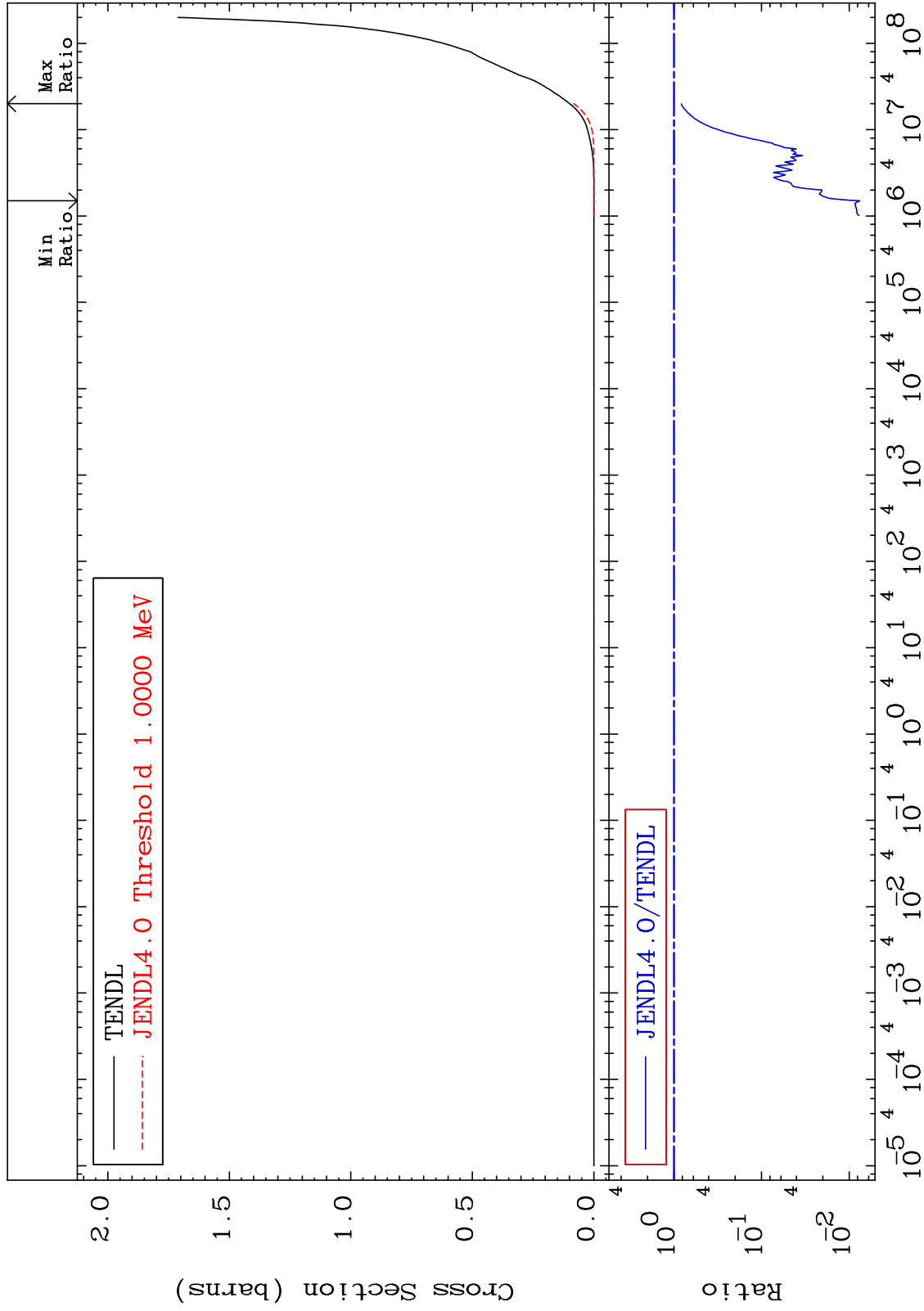
Incident Energy (eV)

41-Nb-94

MAT 4128

### Hydrogen Production Cross Section

41-Nb-94  
-99.24 To -17.60%



45

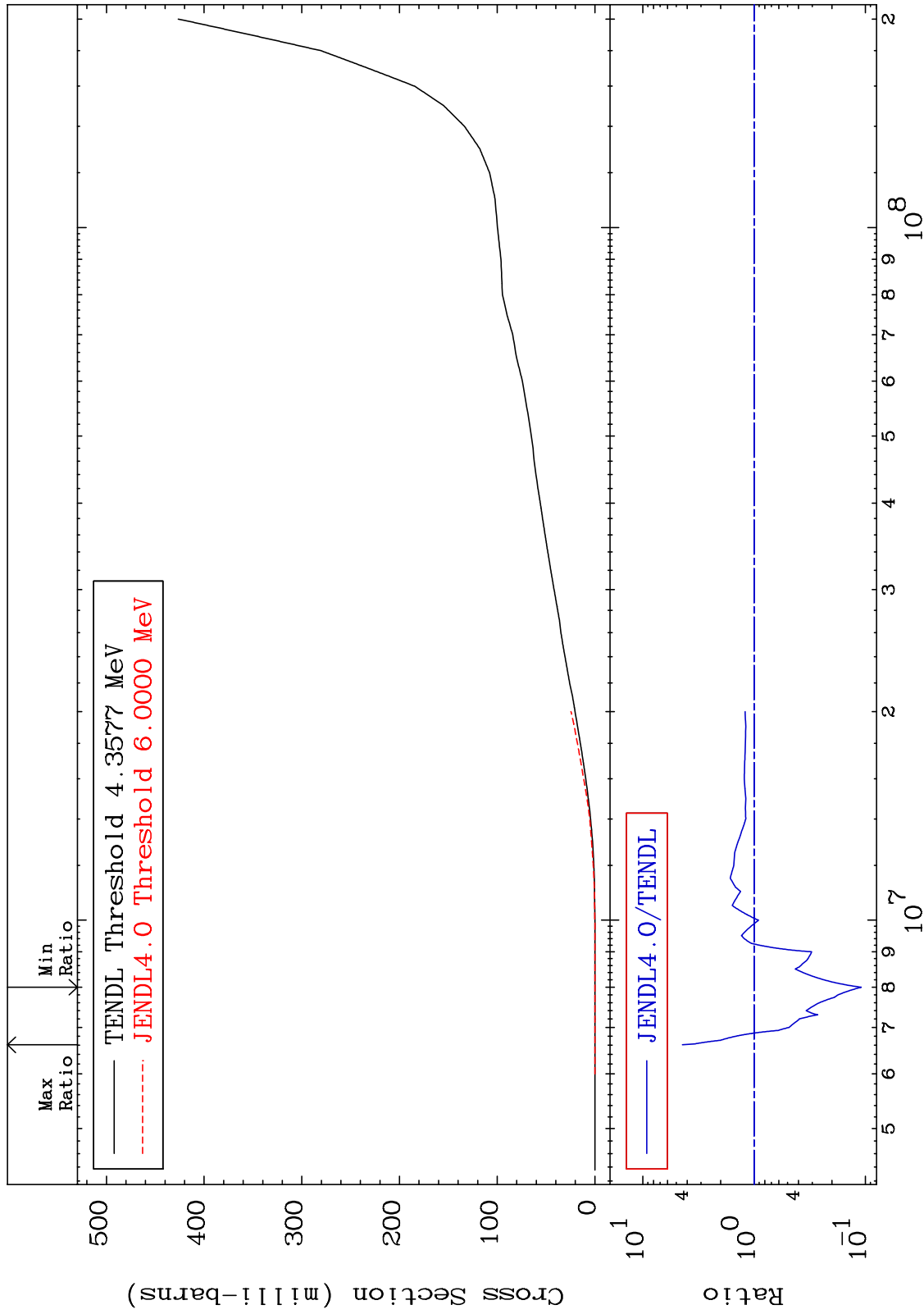
Incident Energy (eV)

41-Nb-94

MAT 4128

### Deuterium Production Cross Section

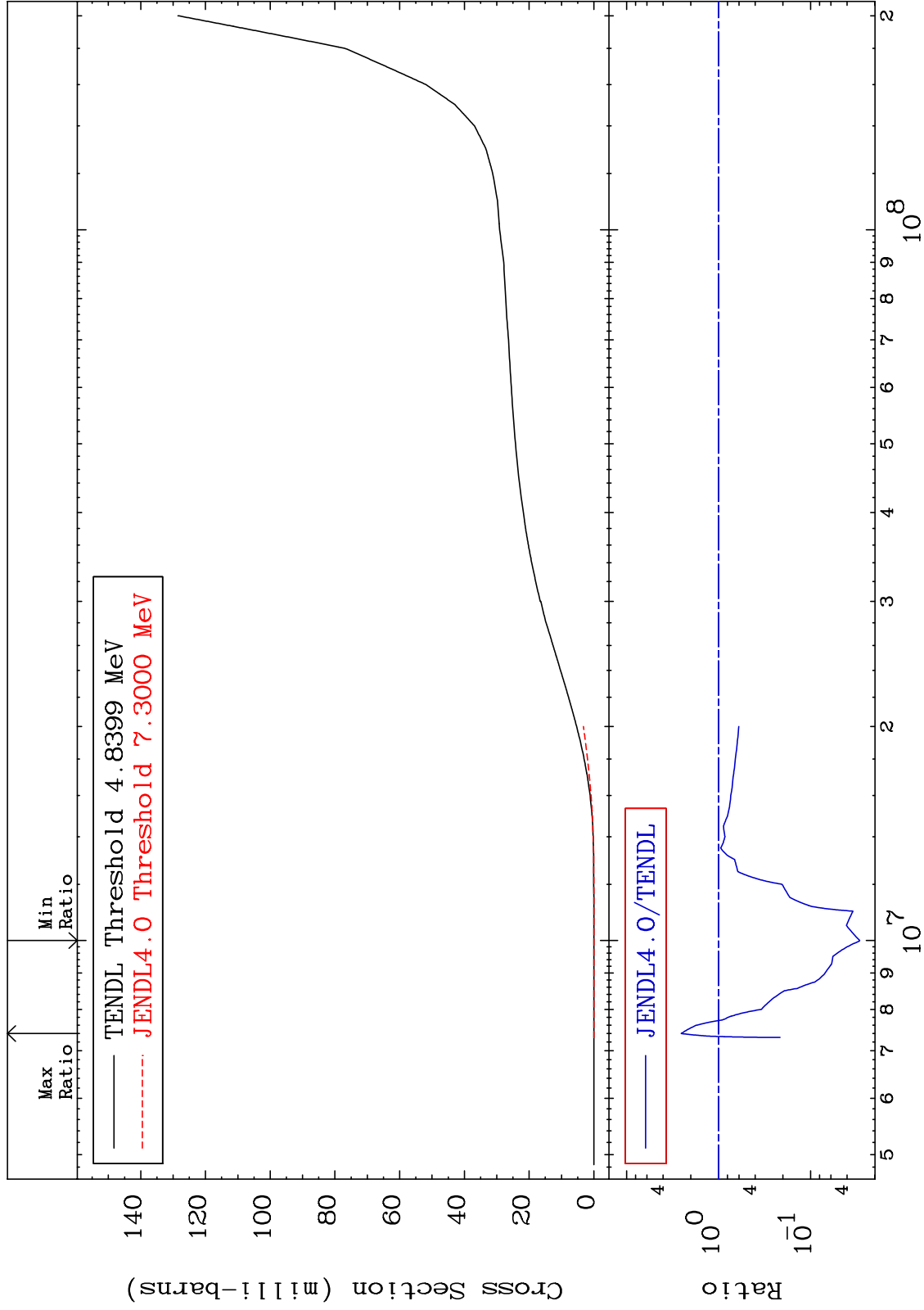
41-Nb-94  
-89.10 To 340.5 %



MAT 4128

Tritium Production  
Cross Section

41-Nb-94  
-97.08 To 154.4 %



47

Incident Energy (eV)

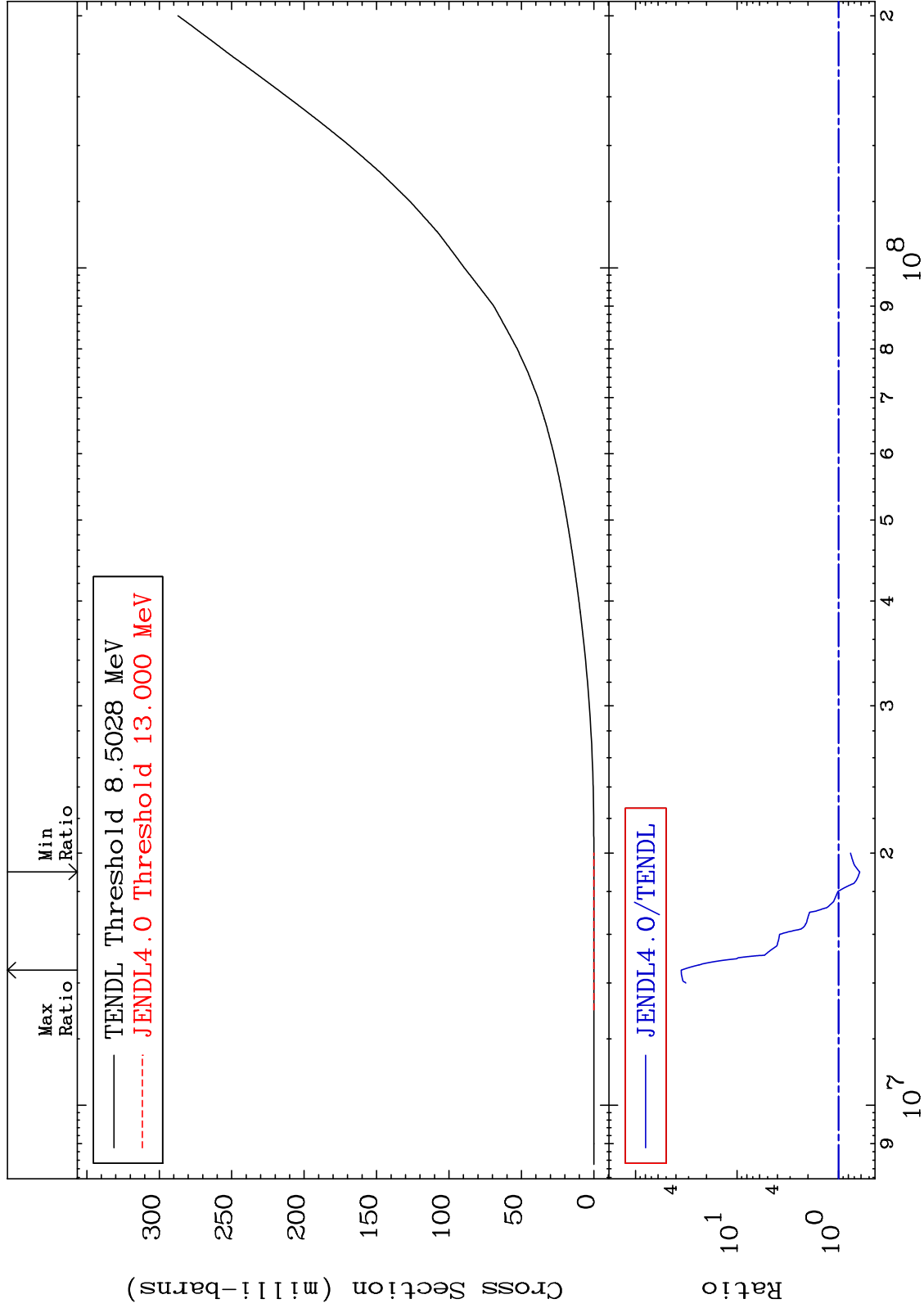
41-Nb-94



MAT 4128

He-3 Production  
Cross Section

41-Nb-94  
-38.27 To 3449. %



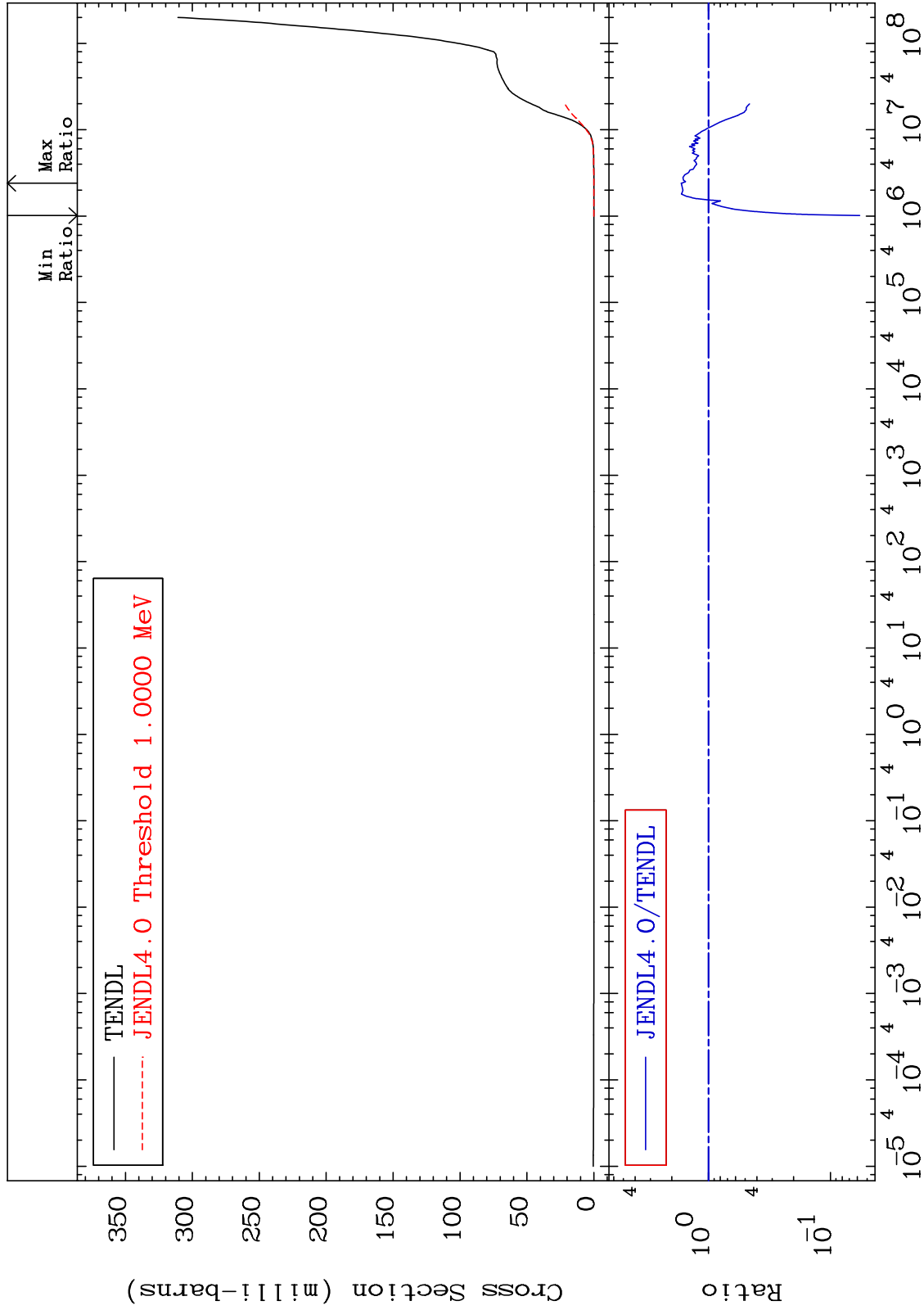
48

41-Nb-94

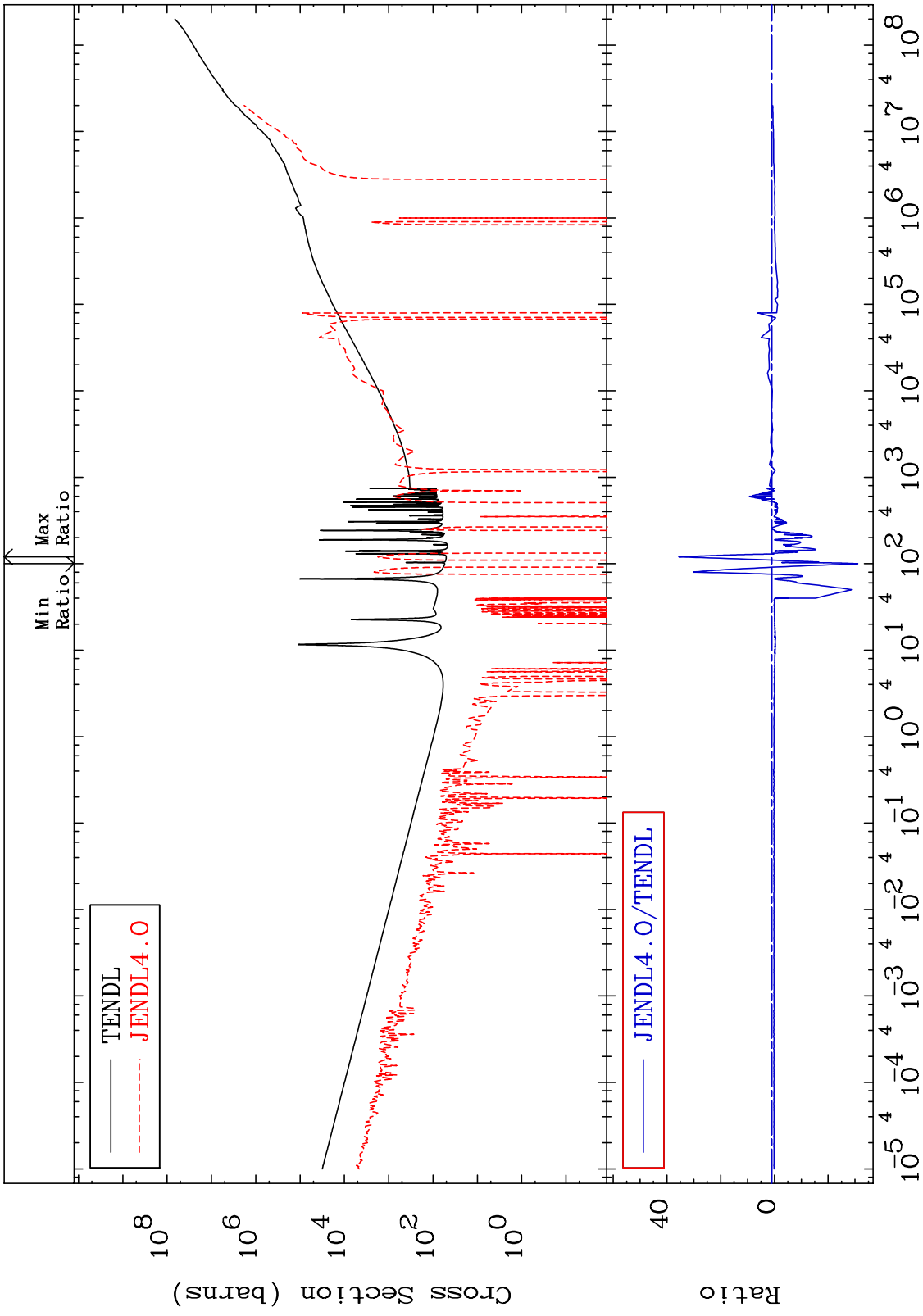
MAT 4128

He-4 Production  
Cross Section

41-Nb-94  
-94.26 To 67.47 %



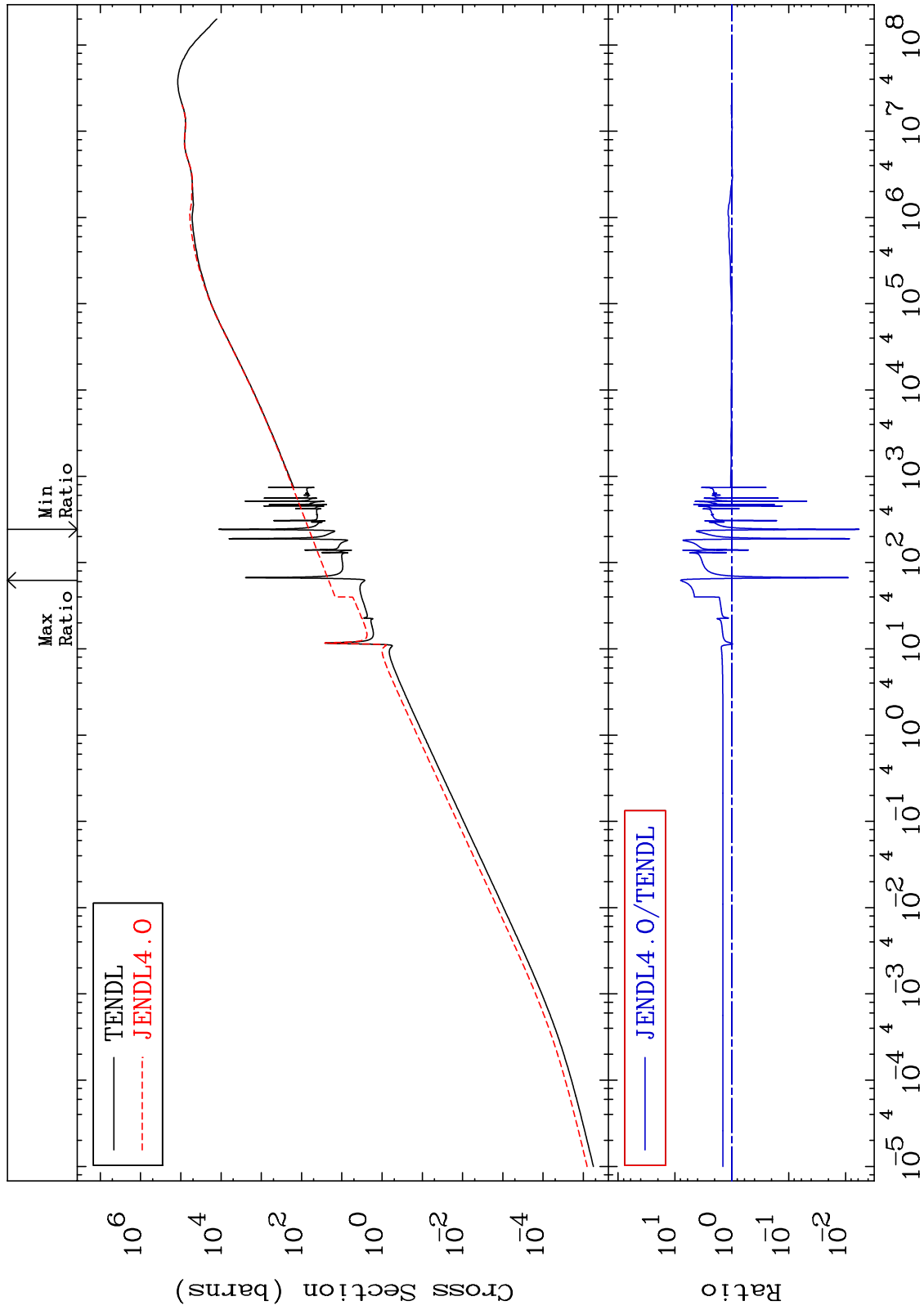
MAT 4128      Kerma total (eV-barns)      41-Nb-94  
 Cross Section      -3204. To 3449. %



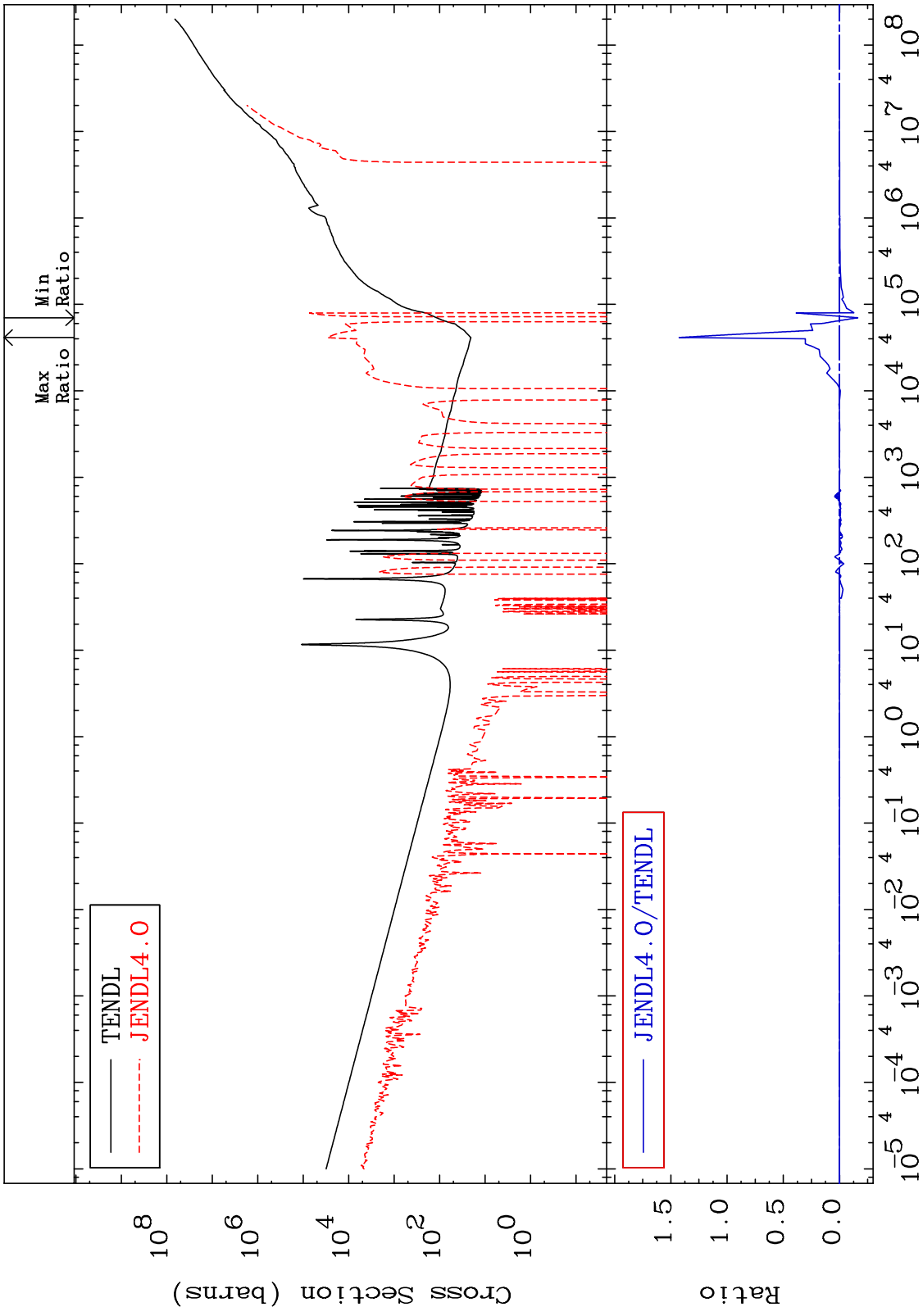
MAT 4128

Kerma elastic  
Cross Section

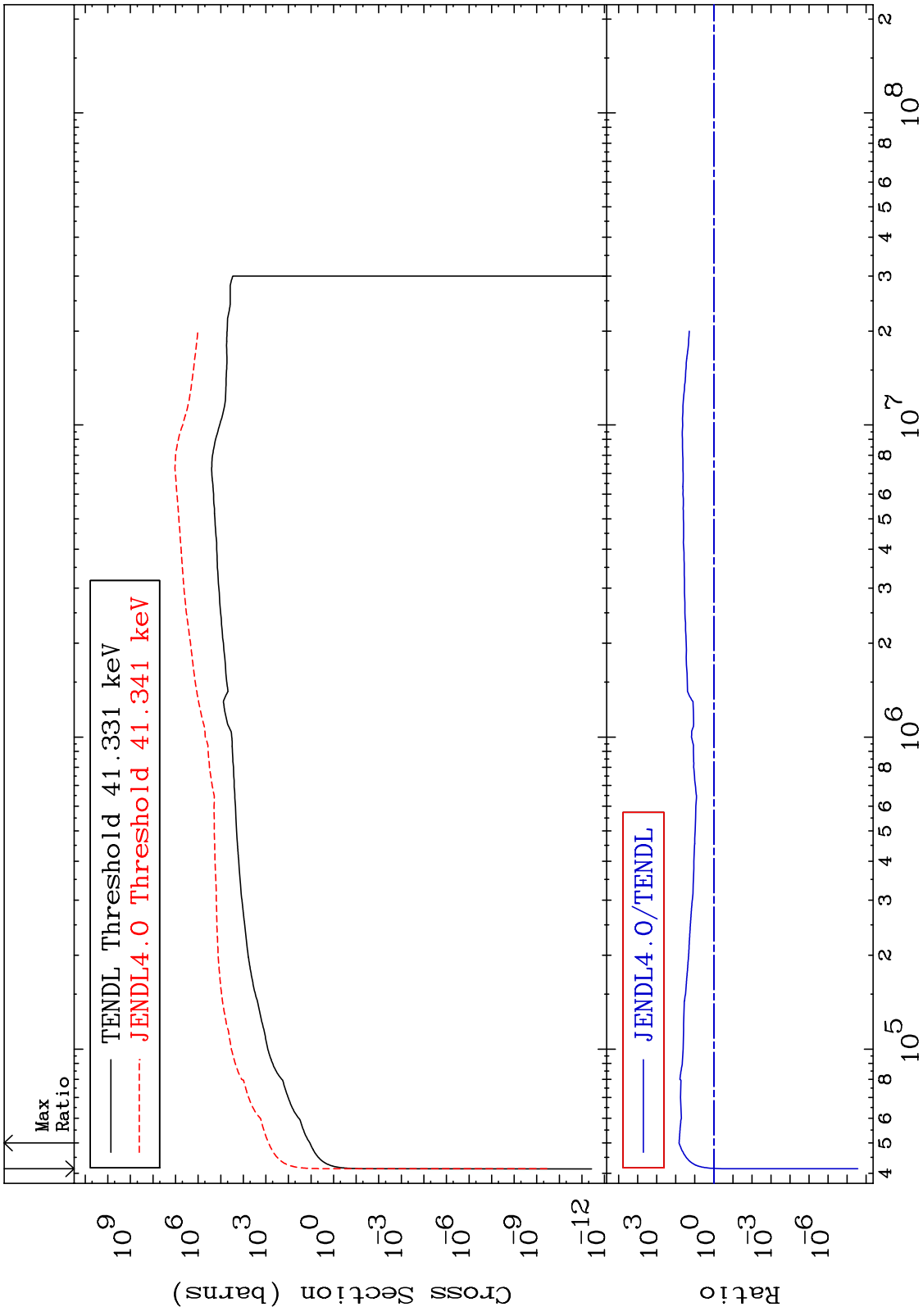
41-Nb-94  
-99.42 To 693.2 %



MAT 4128      Kerma non-elastic (all but mt2)      41-Nb-94  
 Cross Section      -9999. To 9999. %



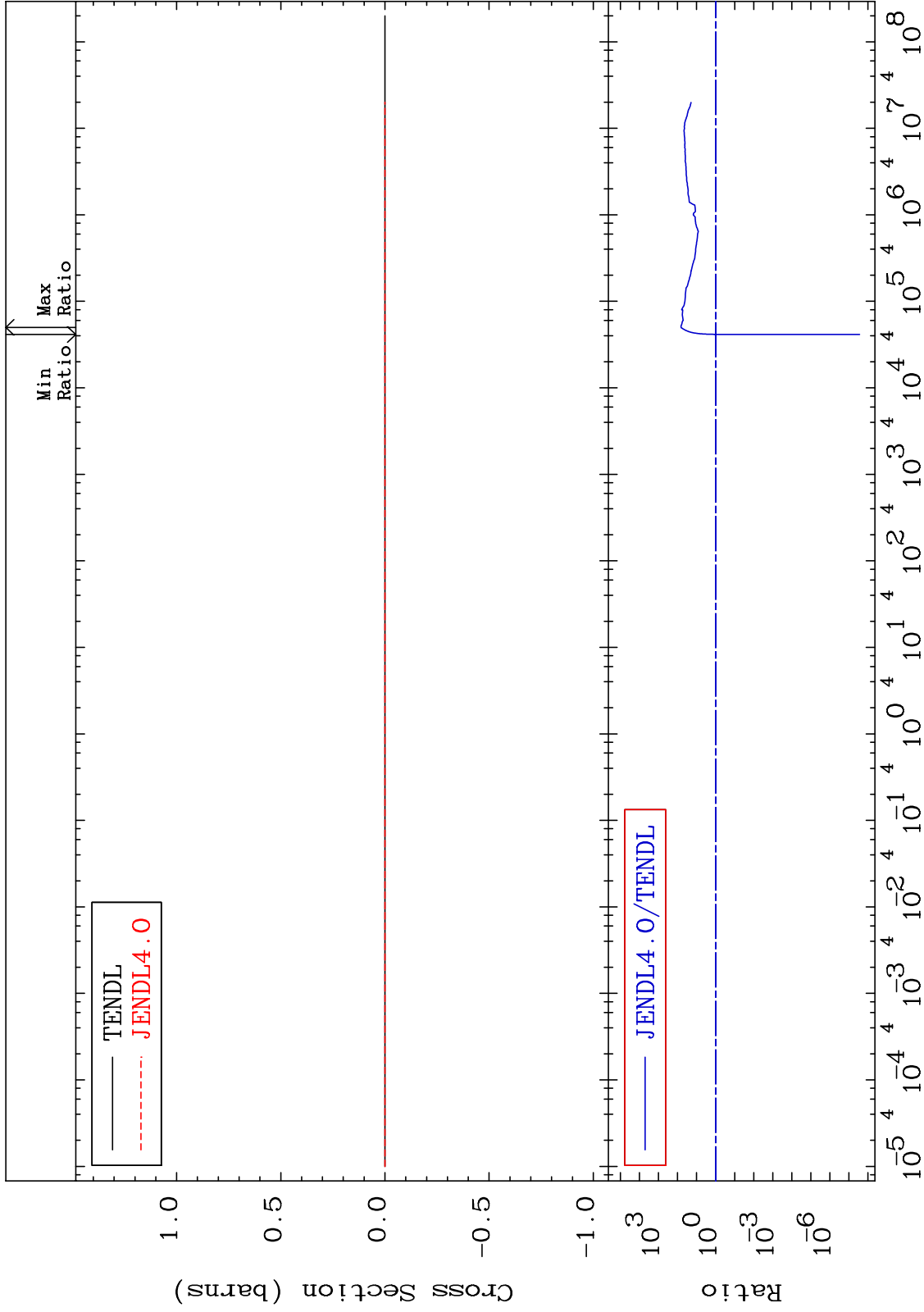
MAT 4128 Kerma inelastic (mt51-91) 41-Nb-94  
 Cross Section -100.0 To 6628. %



MAT 4128

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

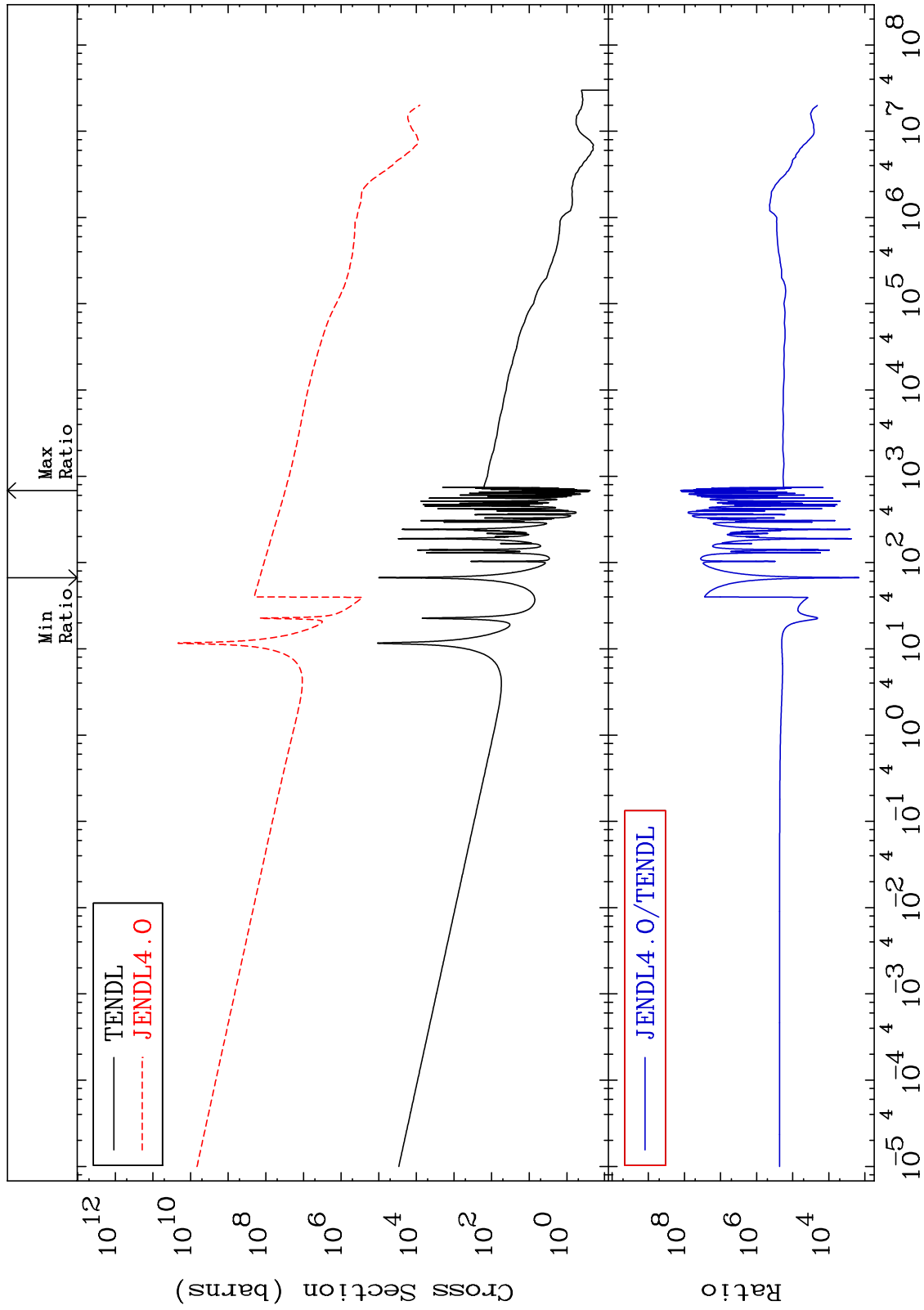
41-Nb-94  
-100.0 To 6628. %



MAT 4128

Kerma capture (mt102)  
Cross Section

41-Nb-94  
9999. To 9999. %

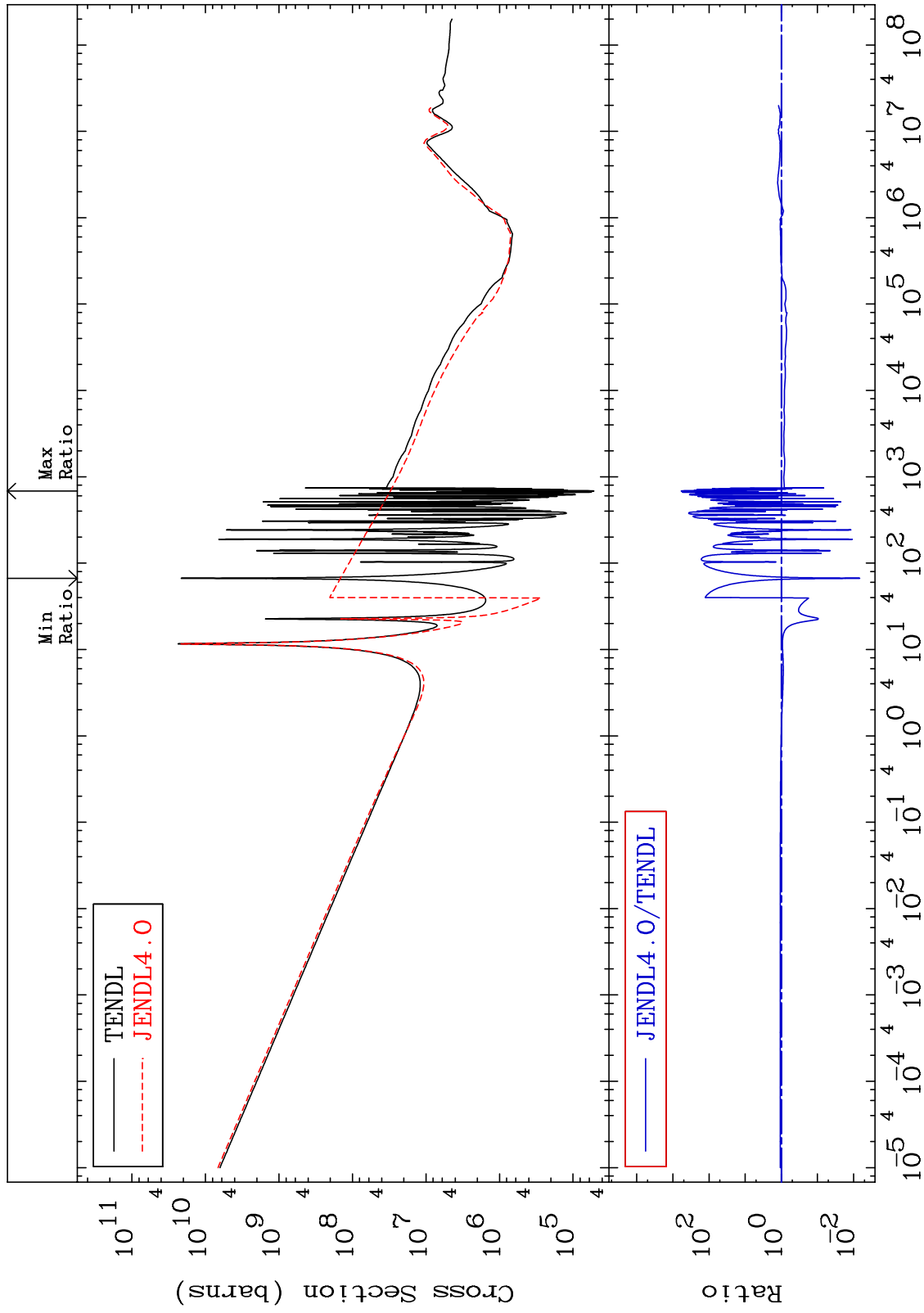




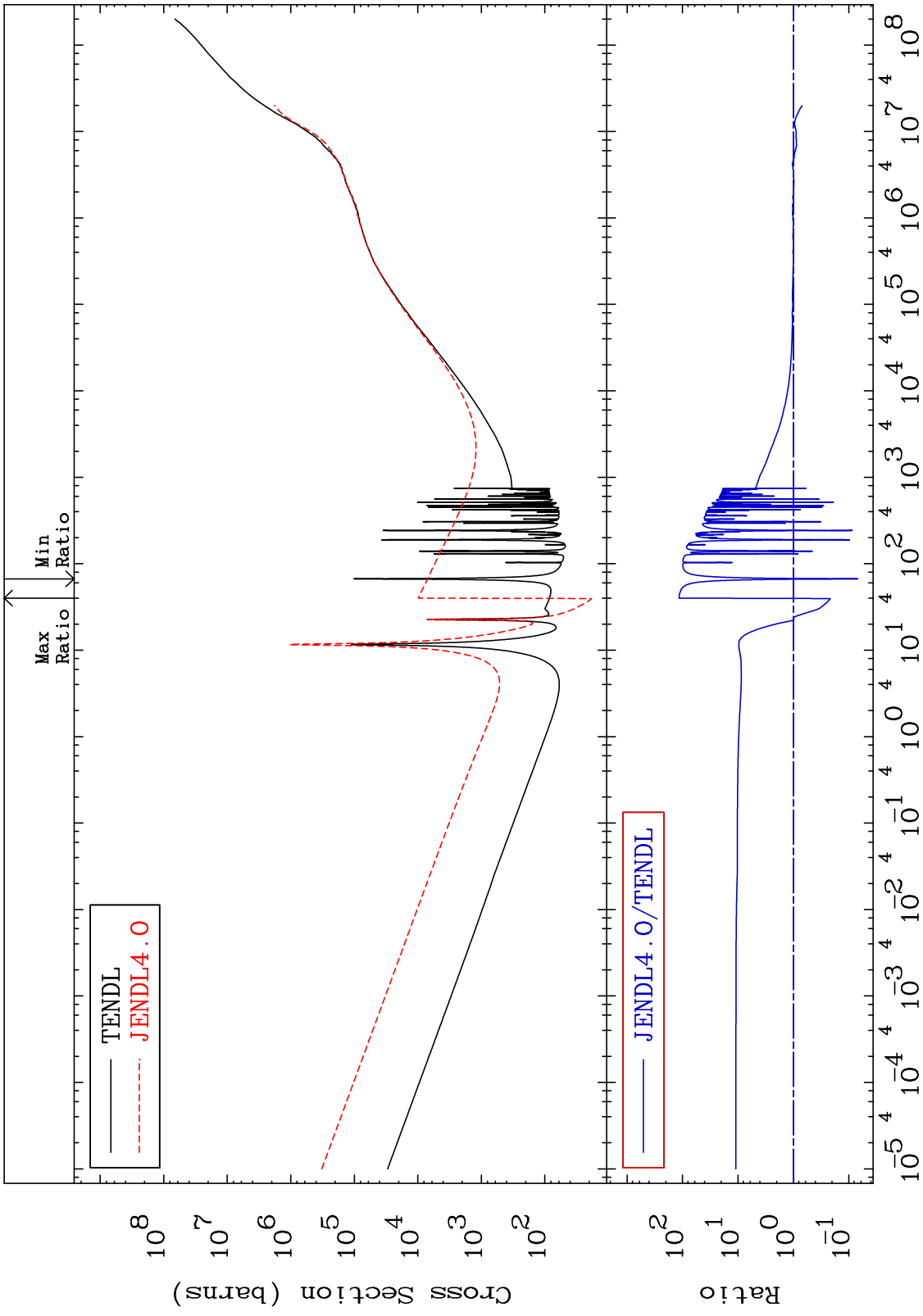
MAT 4128

Total photon (eV-barns)  
Cross Section

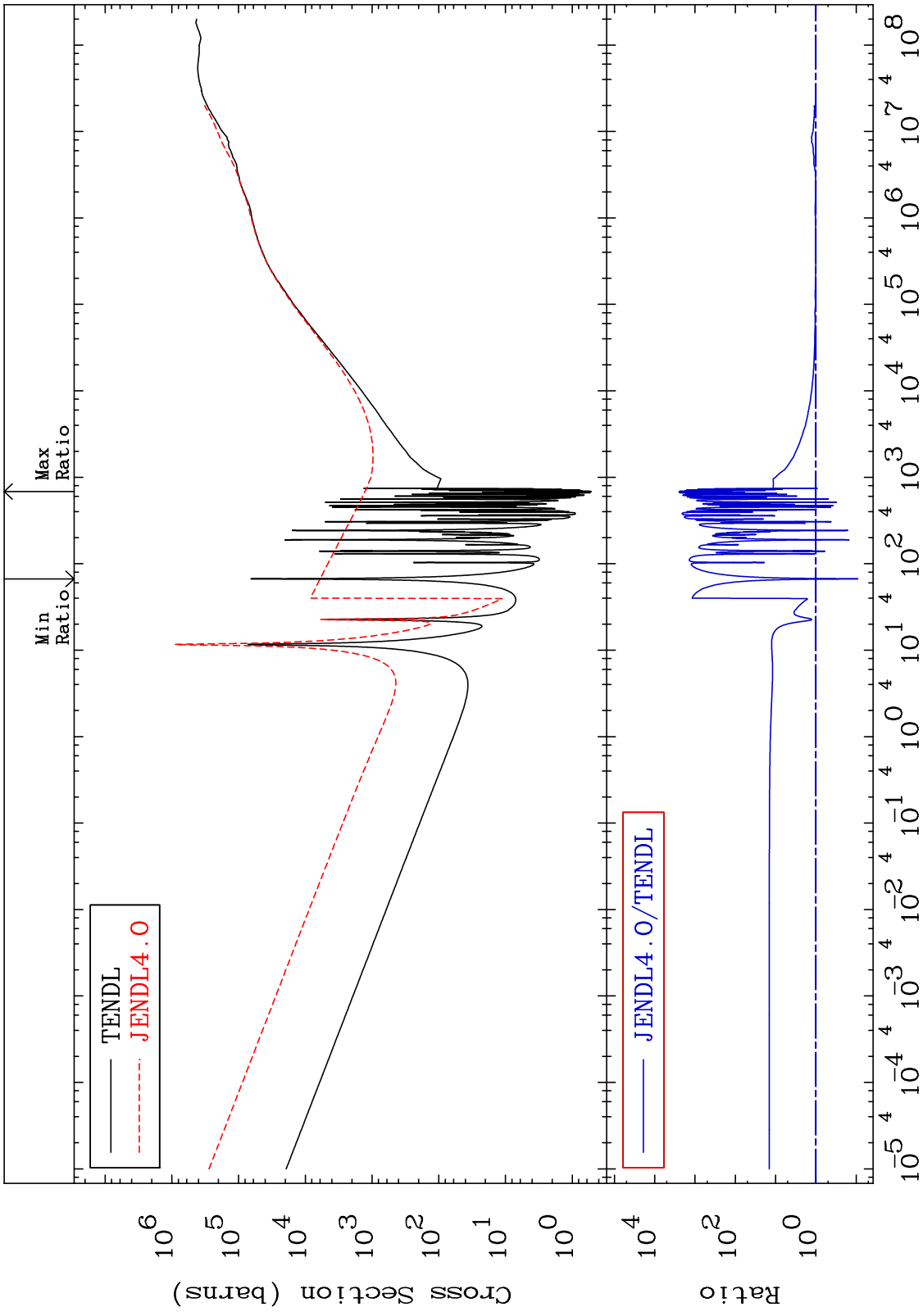
41-Nb-94  
-99.33 To 9999. %



MAT 4128 Total kinematic kerma (high limit) 41-Nb-94  
 Cross Section -93.14 To 9999. %



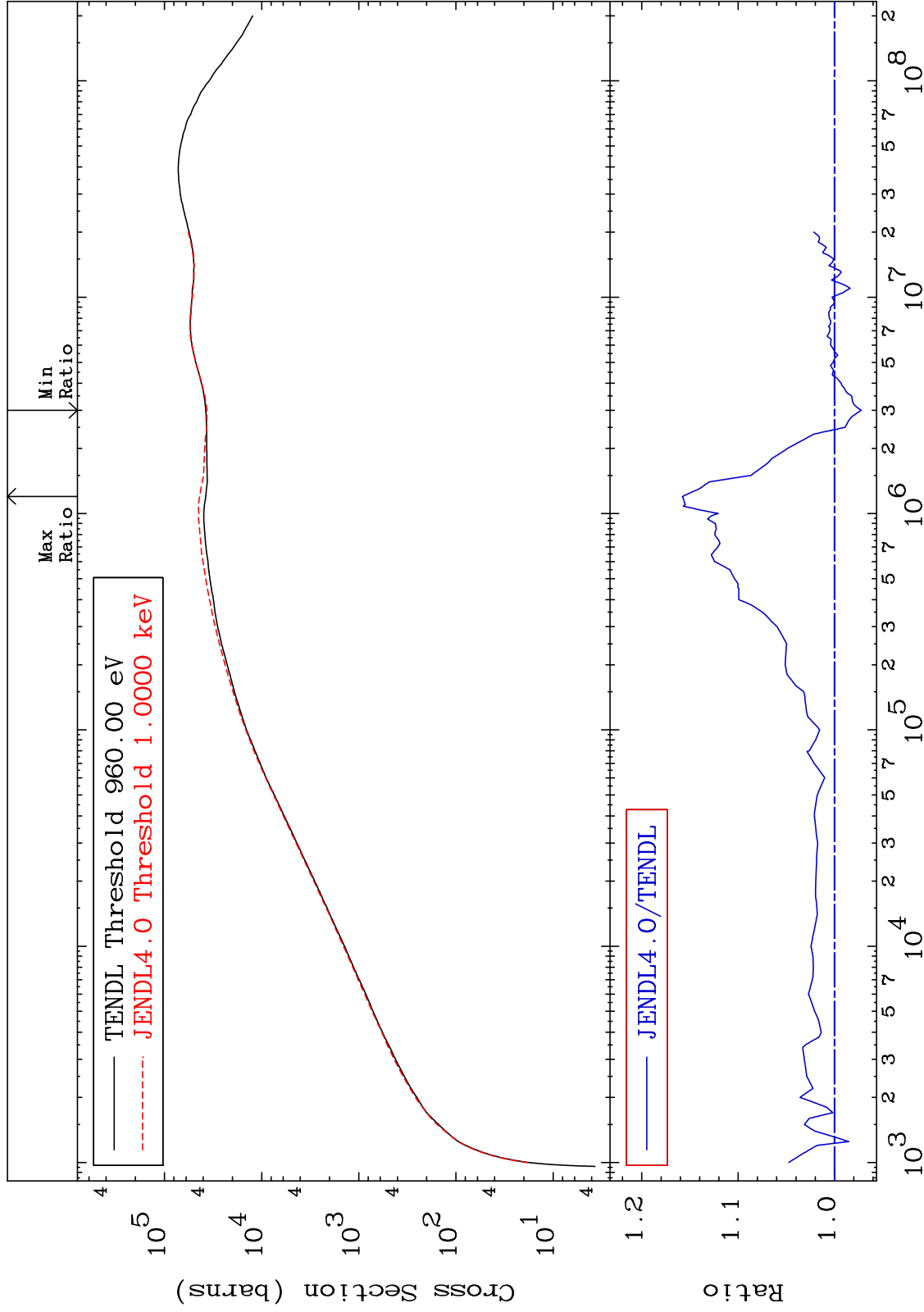
MAT 4128      Dpa total (eV-barns)      41-Nb-94  
 -90.91 To 9999. %  
 Cross Section



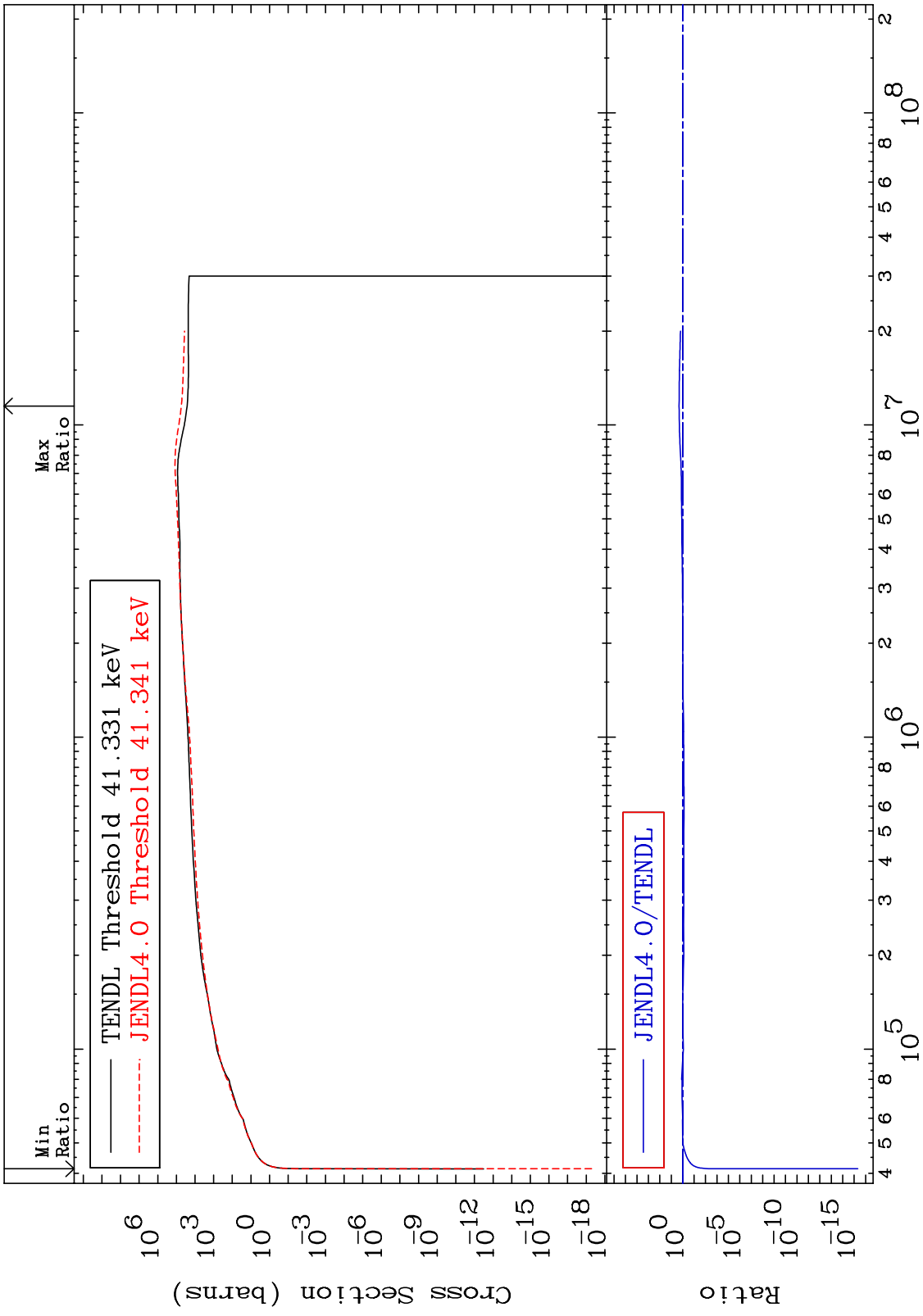
MAT 4128

Dpa elastic (mt2)  
Cross Section

41-Nb-94  
-2.775 To 15.78 %



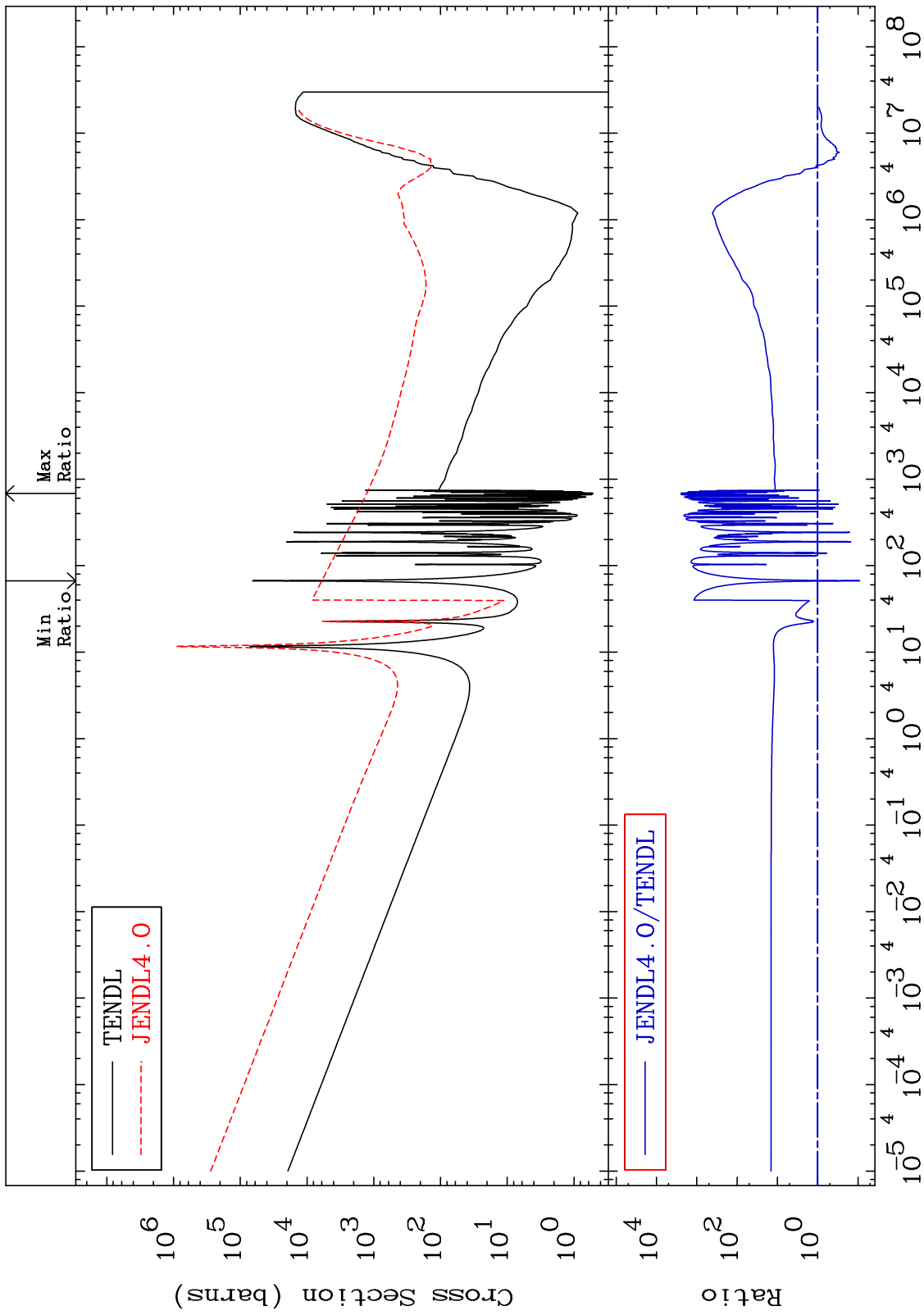
MAT 4128      Dpa inelastic (mt51-91)      41-Nb-94  
 Cross Section      -100.0 To 106.8 %



MAT 4128

Dpa disappearance (mt102 -120)

41-Nb-94  
-90.91 To 9999. %



MAT 4128

Dpa disappearance (mt102 -120)  
Cross Section

41-Nb-94  
-93.67 To 9999. %

