

Program Complot  
(Version 2018-1)

by

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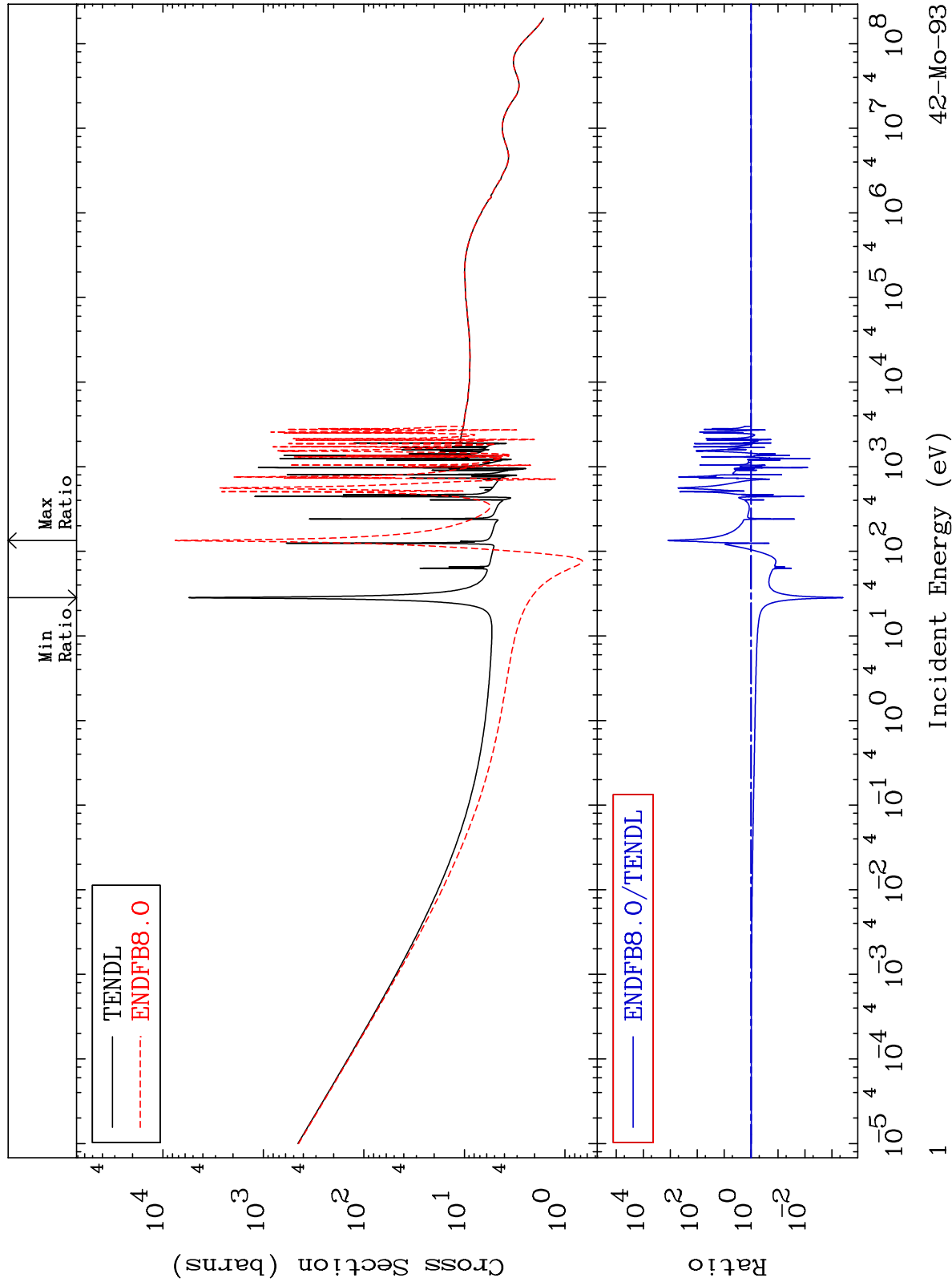
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4228

Total  
Cross Section

42-Mo-93  
-99.96 To 9999. %



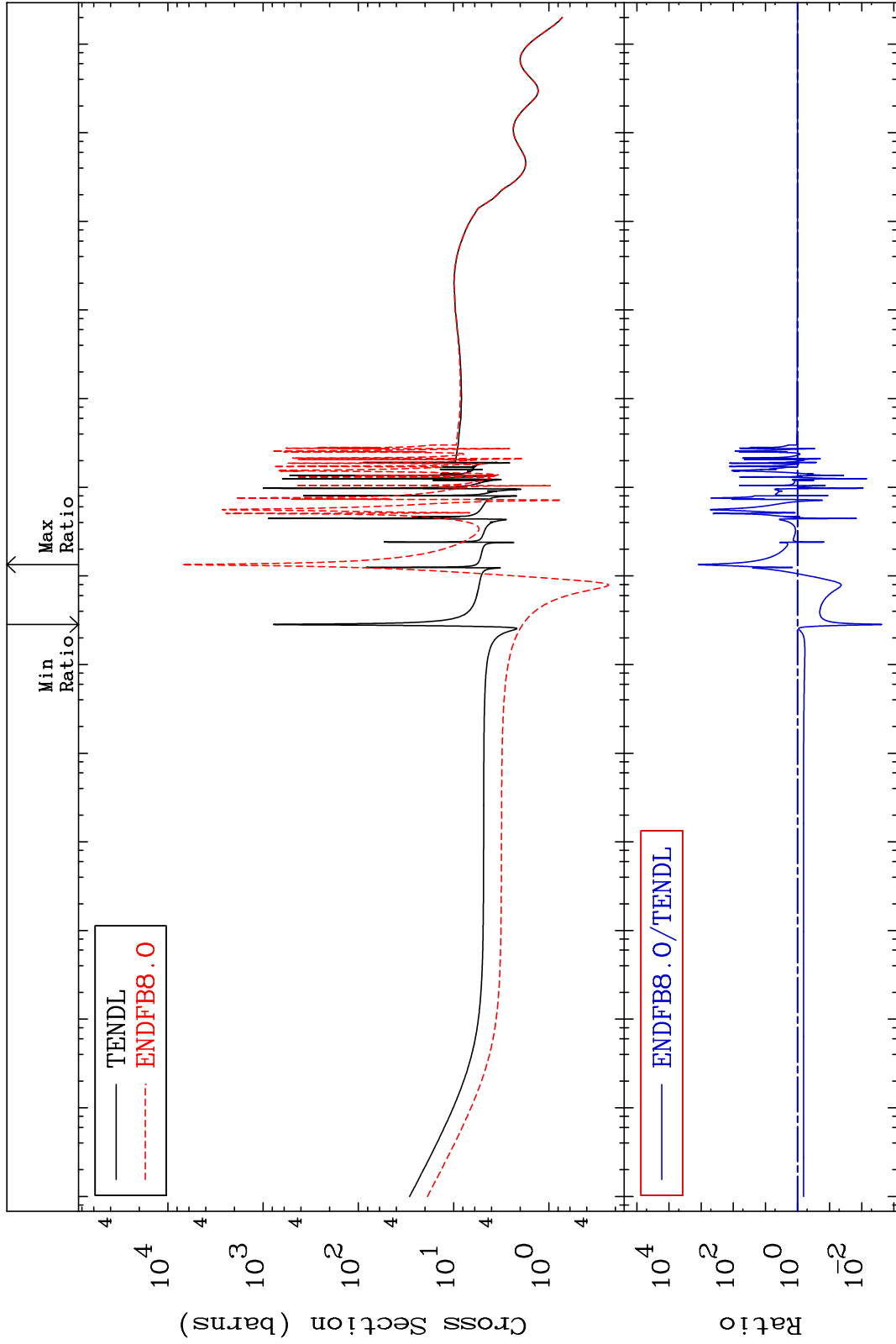
MAT 4228

Elastic

42-Mo-93

Cross Section

-99.76 To 9999. %



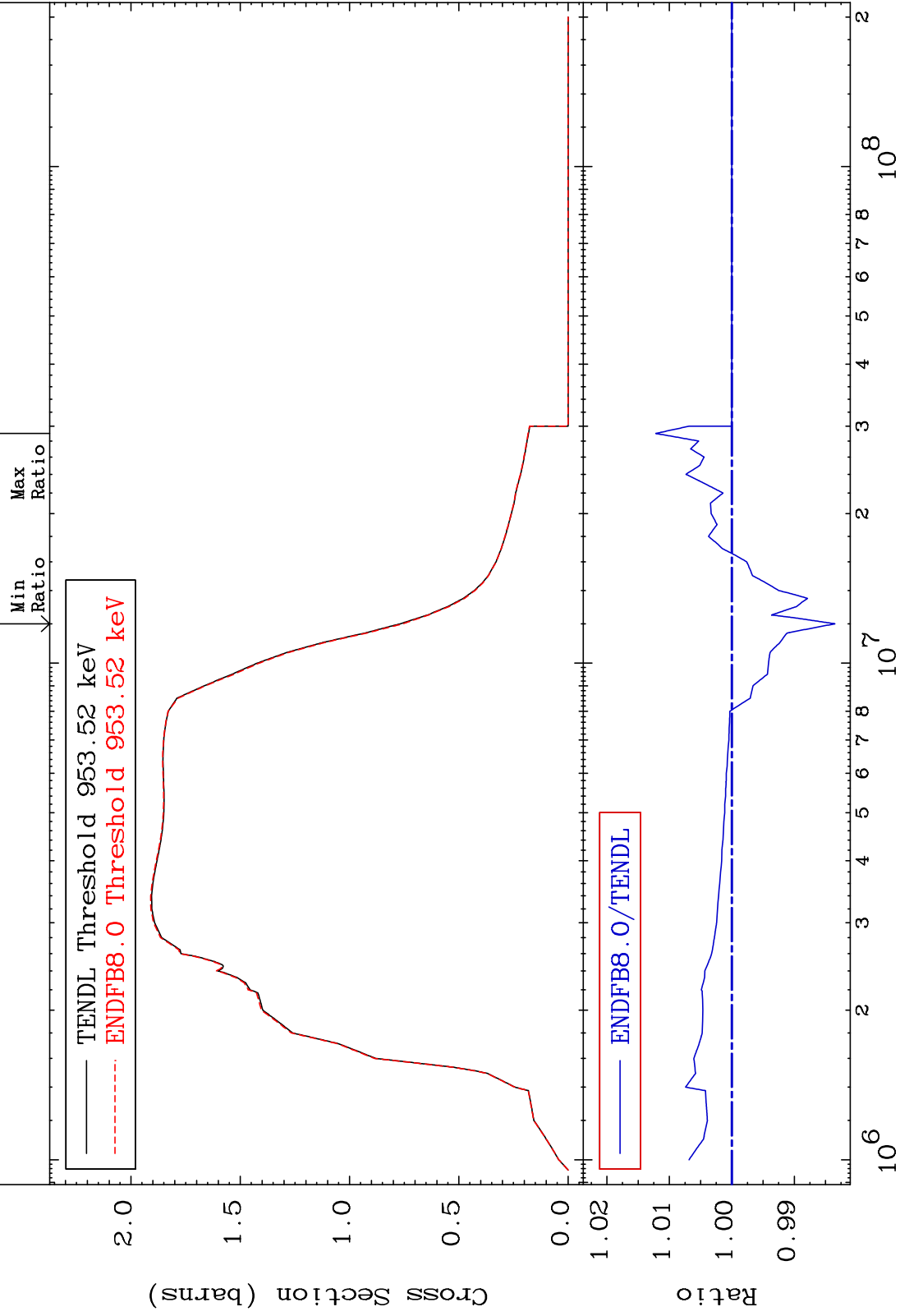
MAT 4228

Inelastic

42-Mo-93

-1.651 To 1.218 %

Cross Section



Incident Energy (eV)

42-Mo-93

3

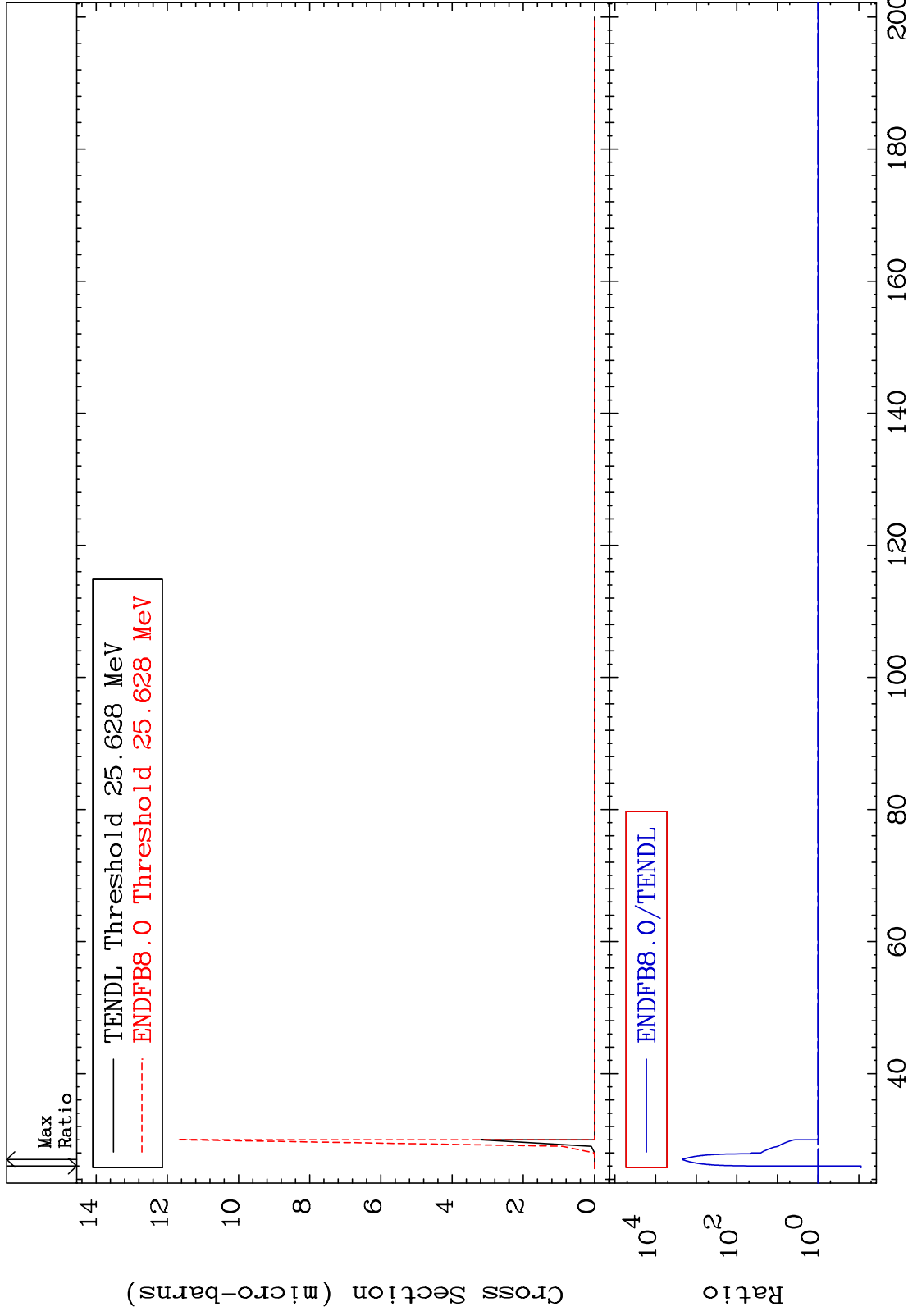
MAT 4228

(n,2n) d

42-Mo-93

Cross Section

-91.22 To 9999. %



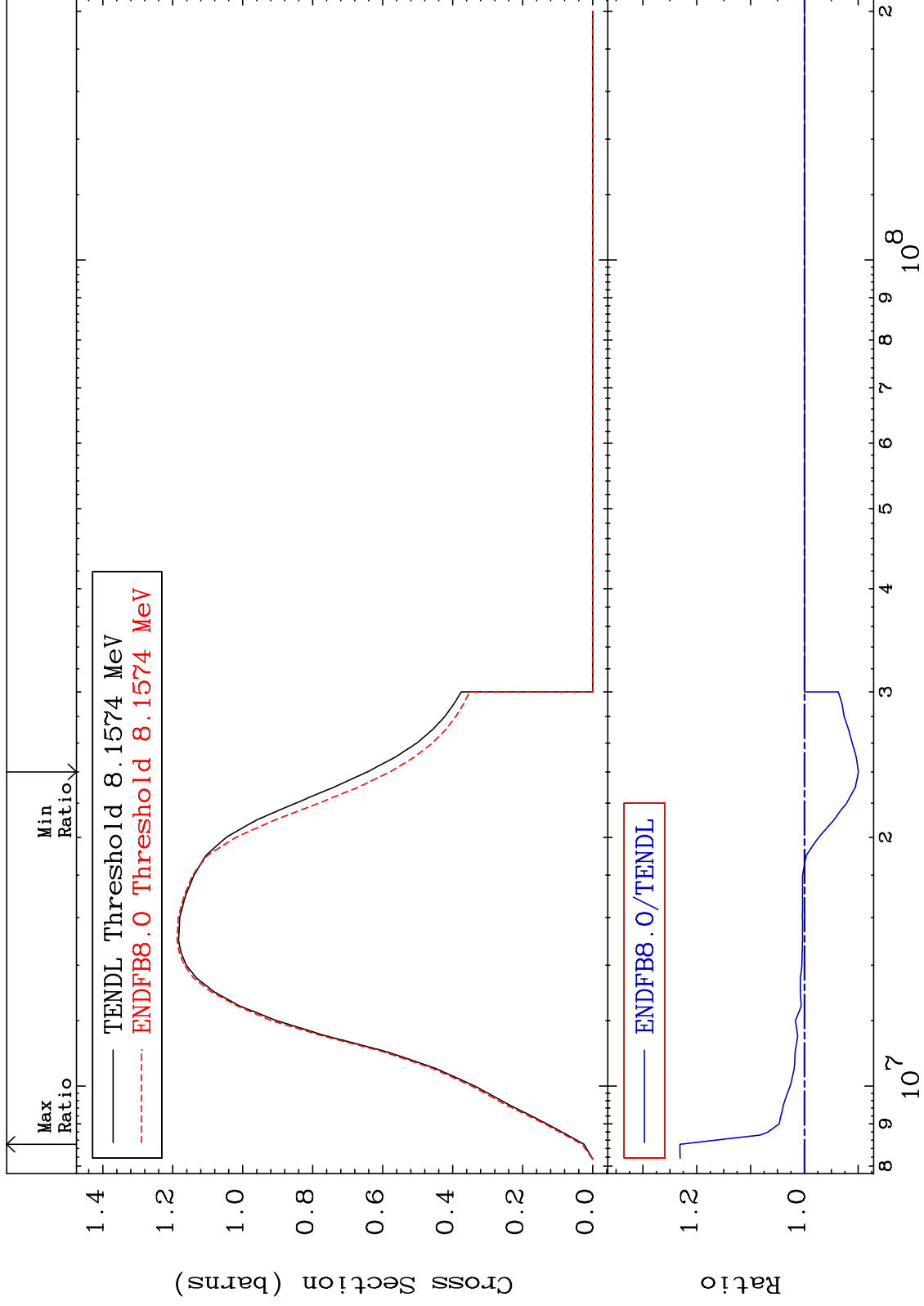
MAT 4228

(n,2n)

42-Mo-93

Cross Section

-10.03 To 23.11 %



42-Mo-93

Incident Energy (eV)

5

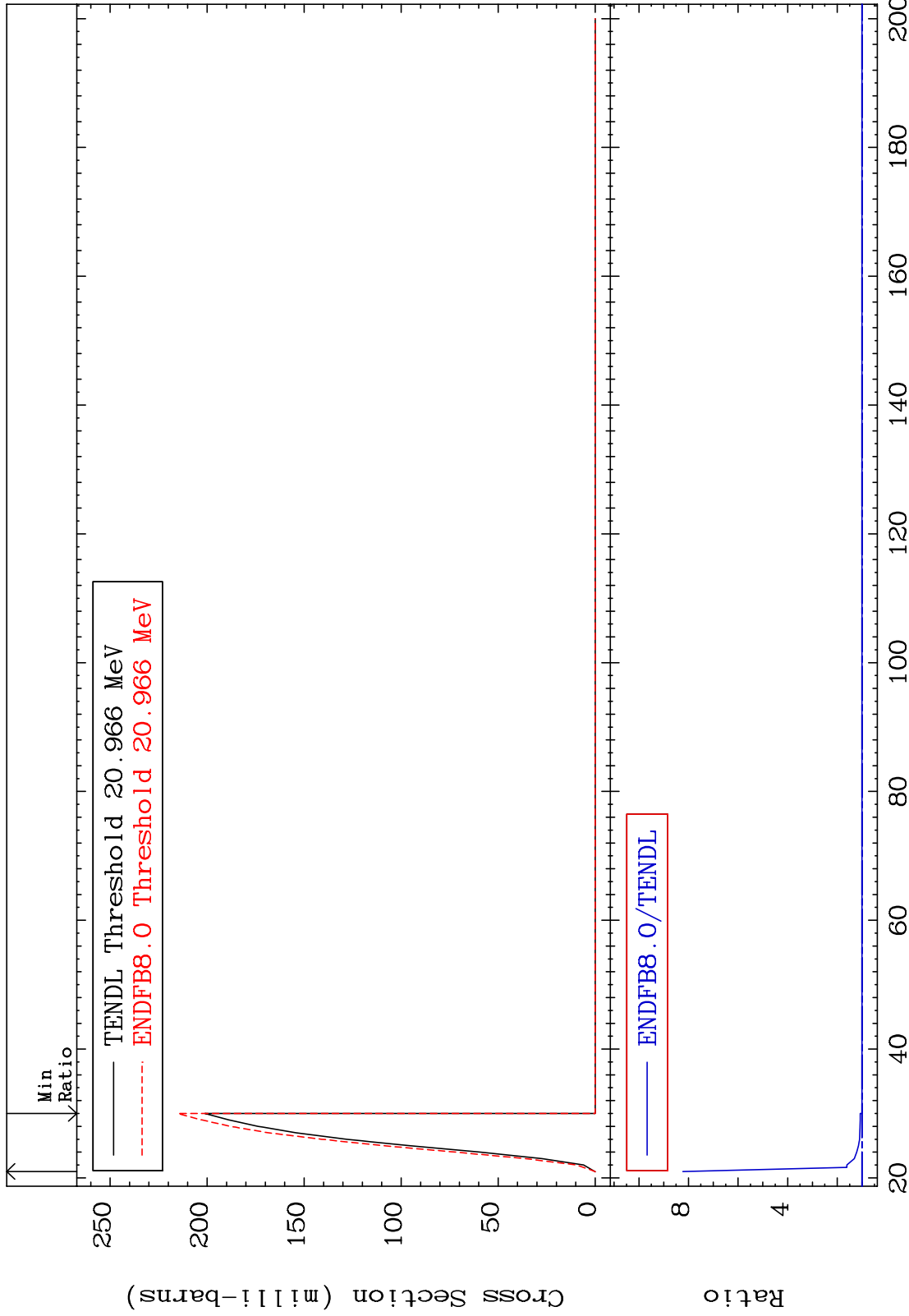
MAT 4228

(n,3n)

42-Mo-93

Cross Section

0.000 To 722.6 %



Incident Energy (MeV)

42-Mo-93

6

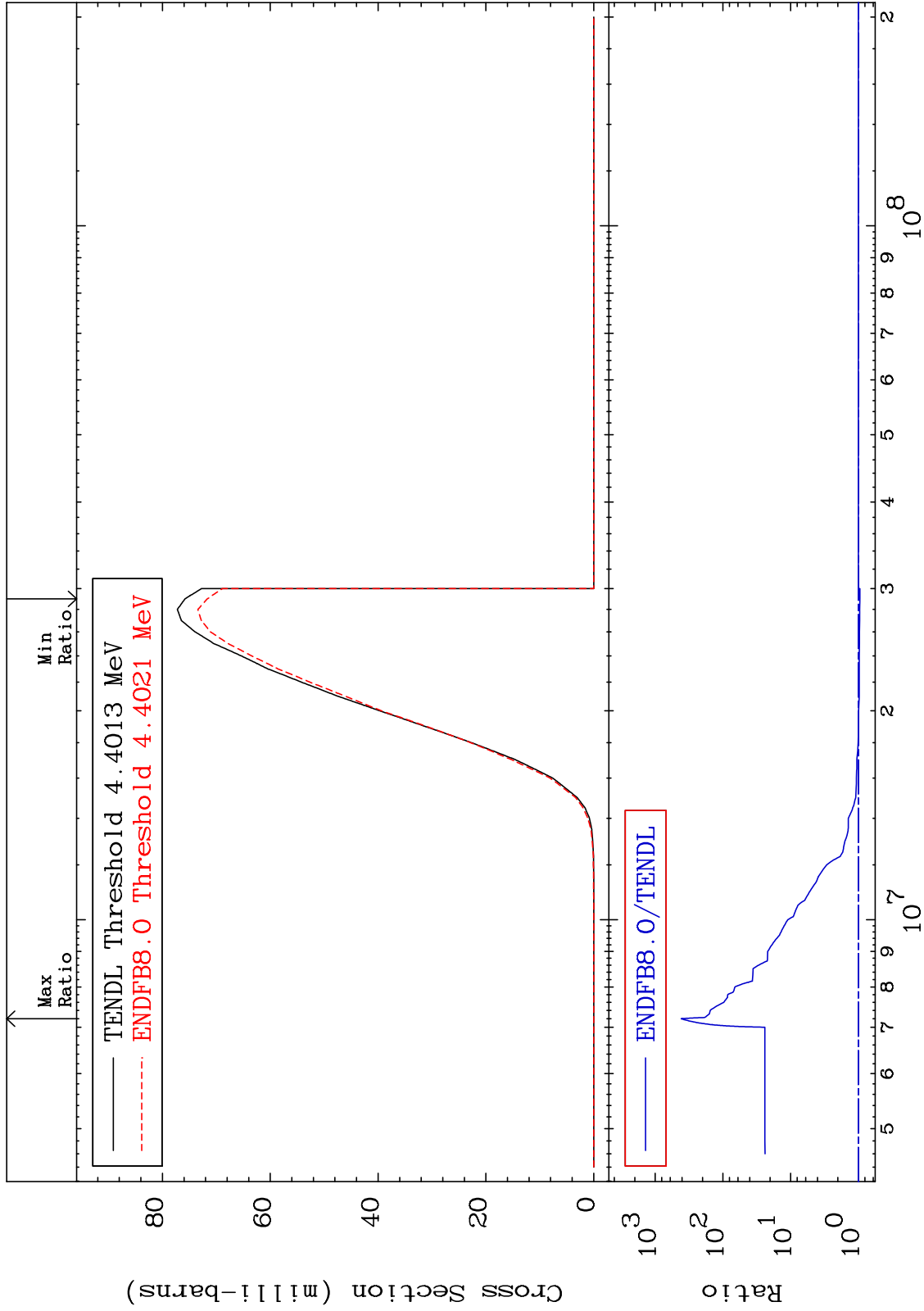
MAT 4228

(n,n')  $\alpha$

42-Mo-93

Cross Section

-5.459 To 9999. %



7

Incident Energy (eV)

42-Mo-93



MAT 4228

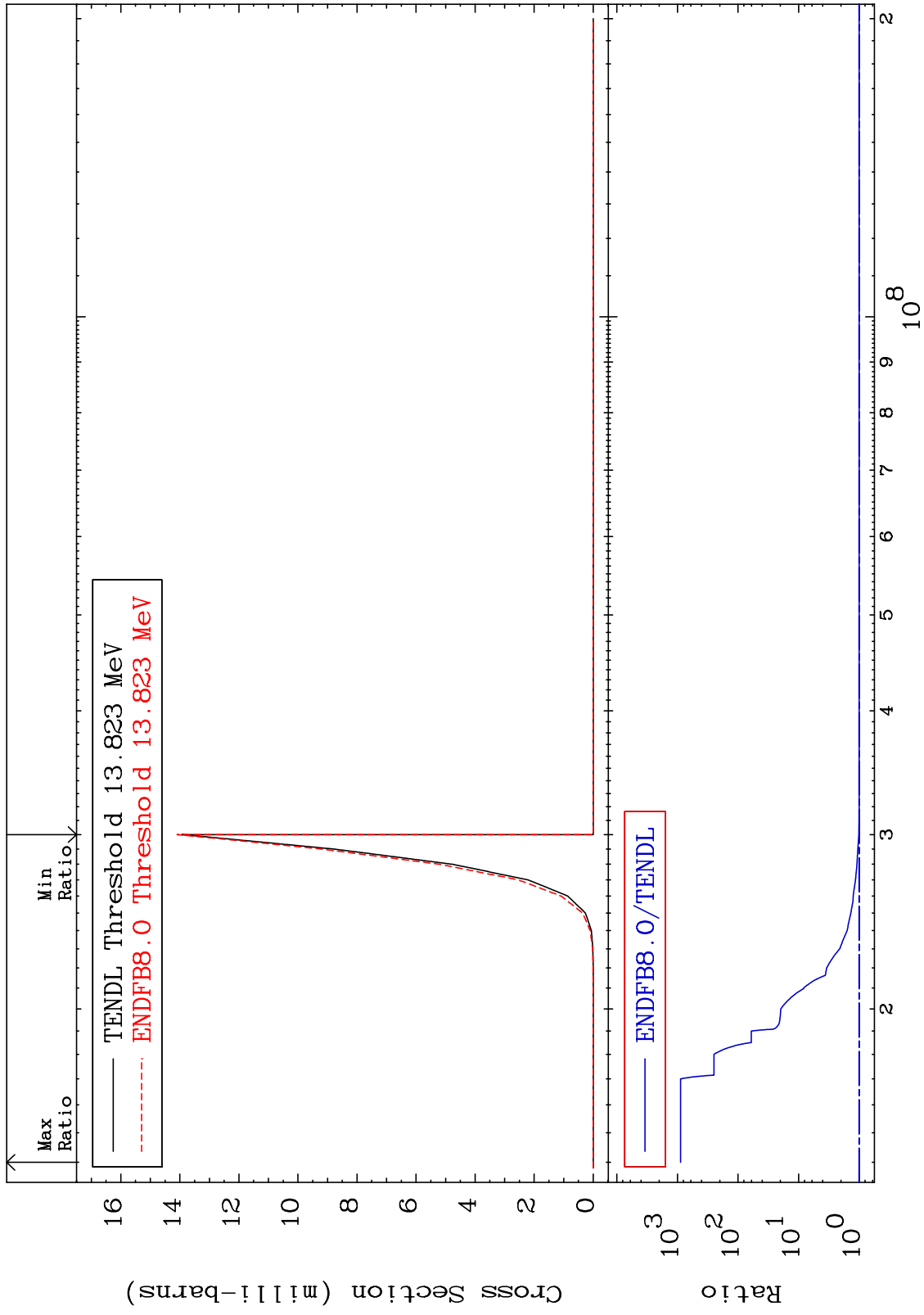
(n,2n)  $\alpha$

42-Mo-93

Cross Section

0.000

To 9999. %



8

Incident Energy (eV)

42-Mo-93

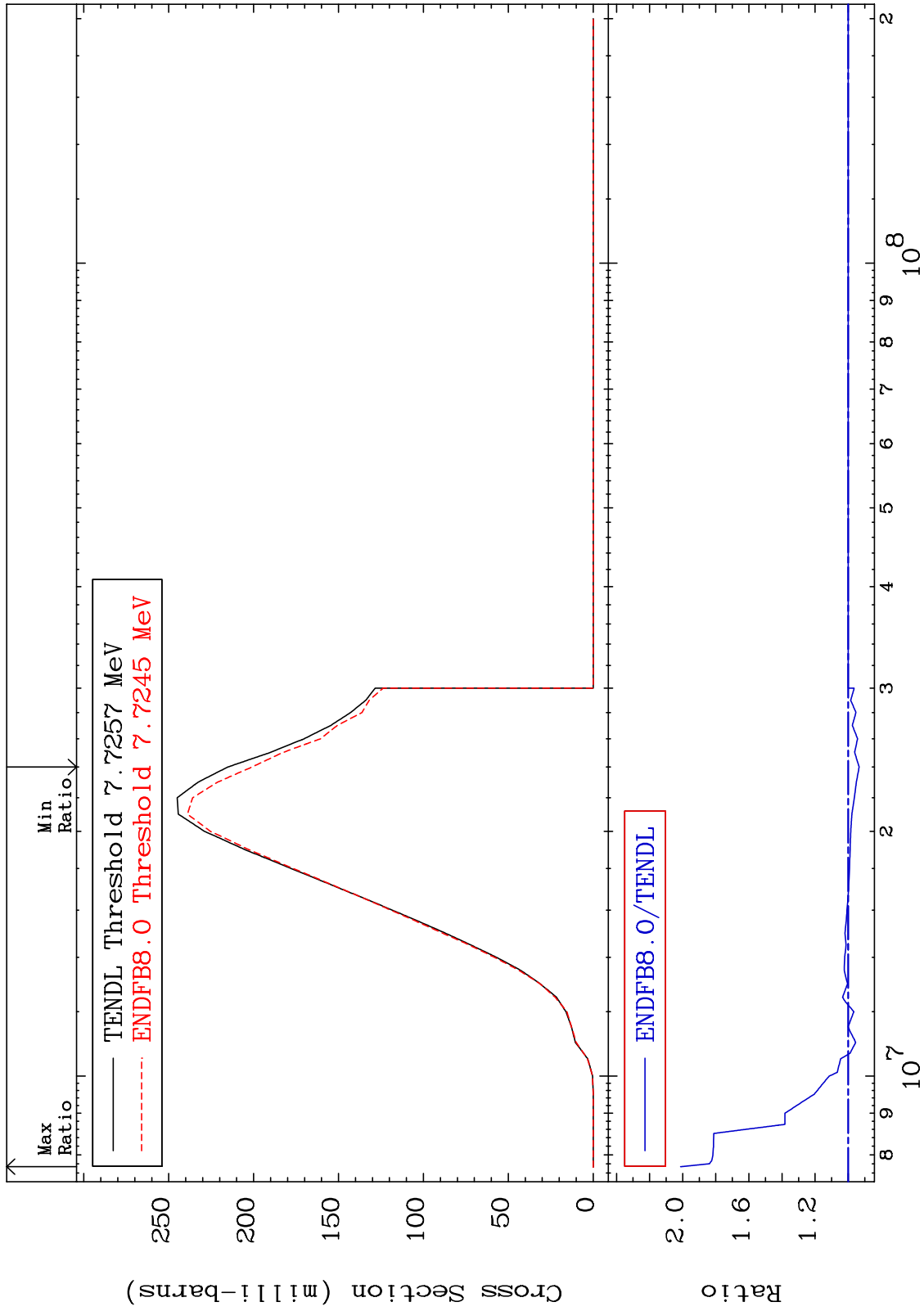
MAT 4228

(n,n') p

42-Mo-93

Cross Section

-6.624 To 101.3 %



9

Incident Energy (eV)

42-Mo-93

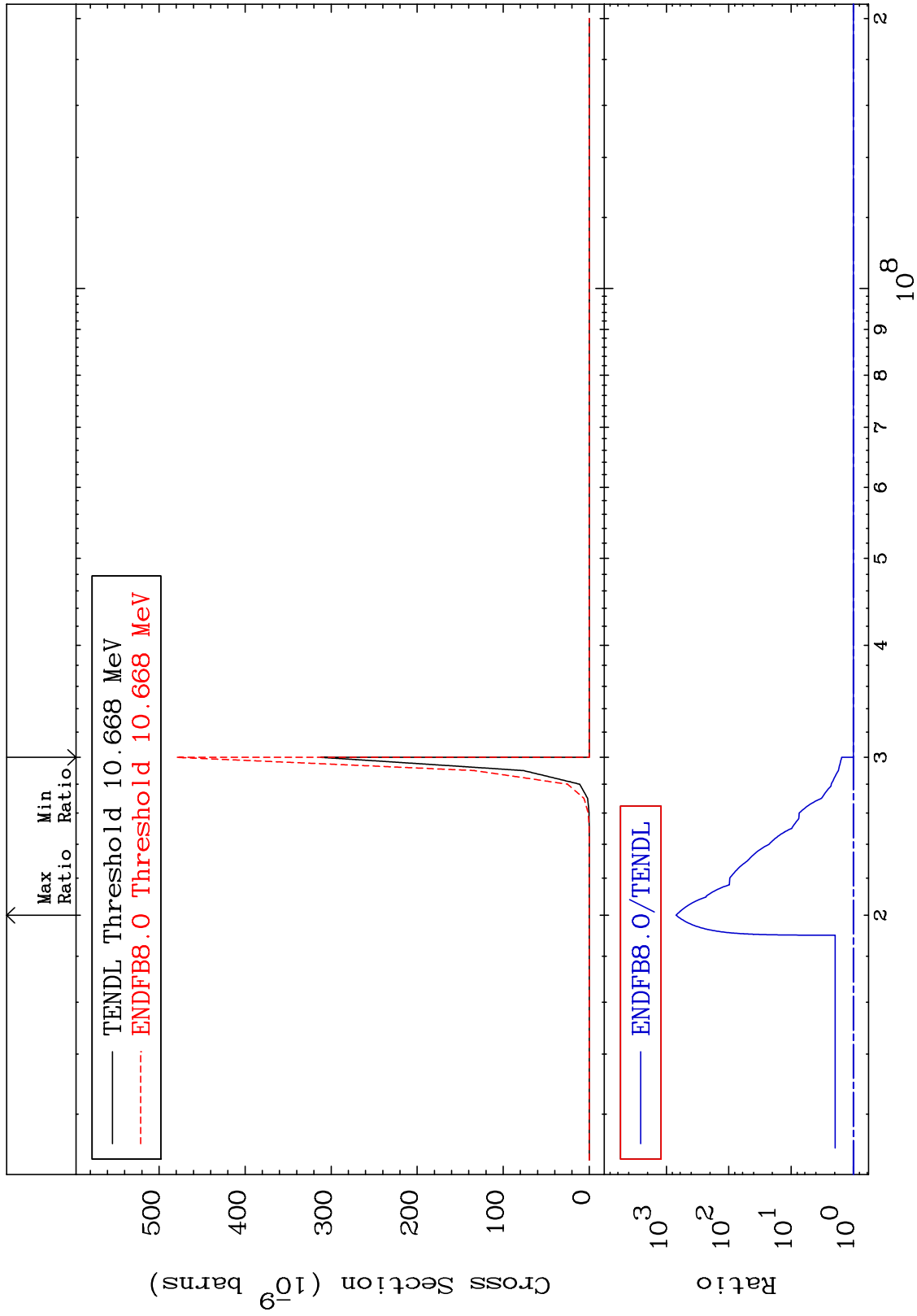
MAT 4228

(n,n') 2α

42-Mo-93

Cross Section

0.000 To 9999. %



10

Incident Energy (eV)

42-Mo-93

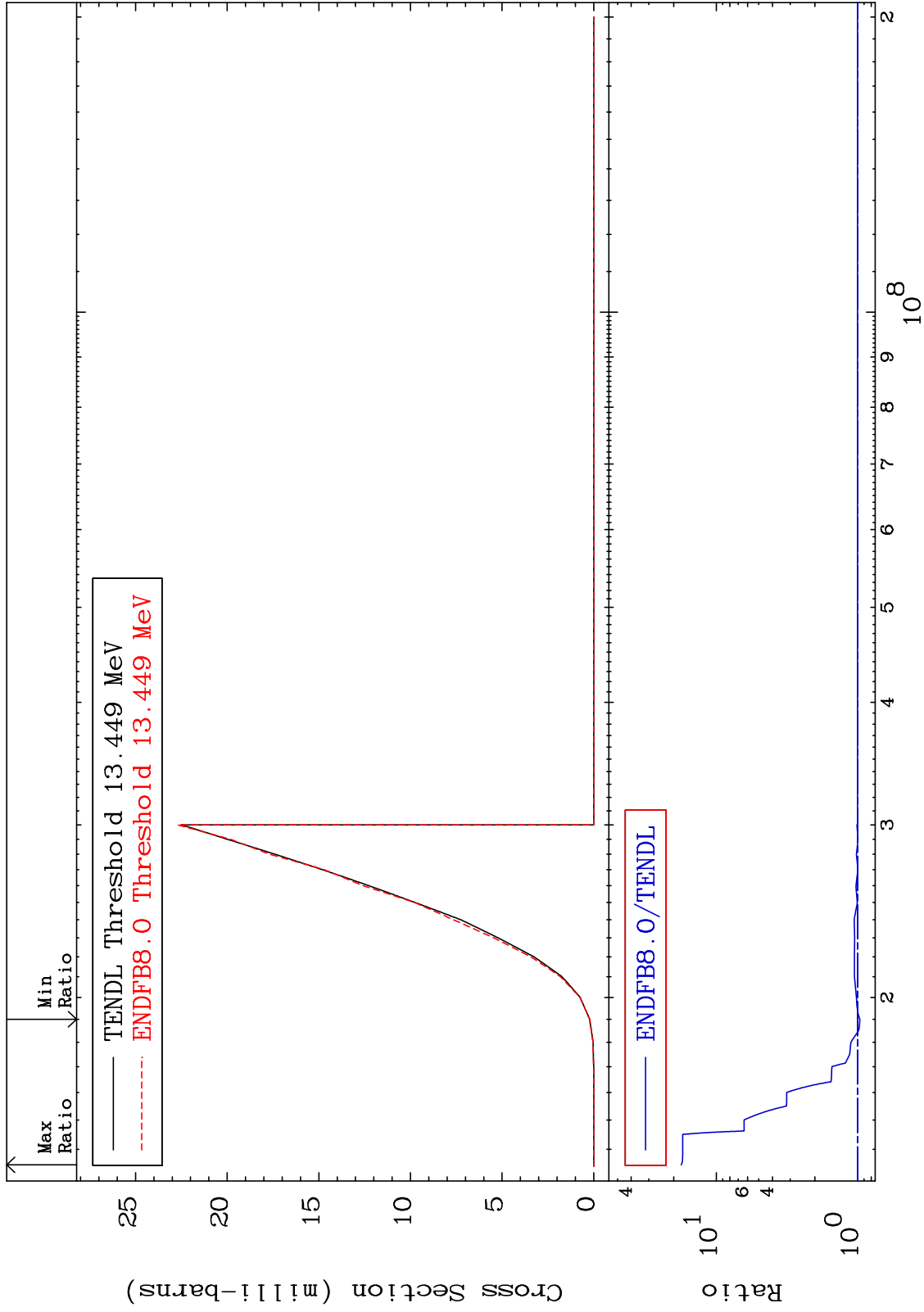
MAT 4228

(n,n') d

42-Mo-93

Cross Section

-3.931 To 1670. %



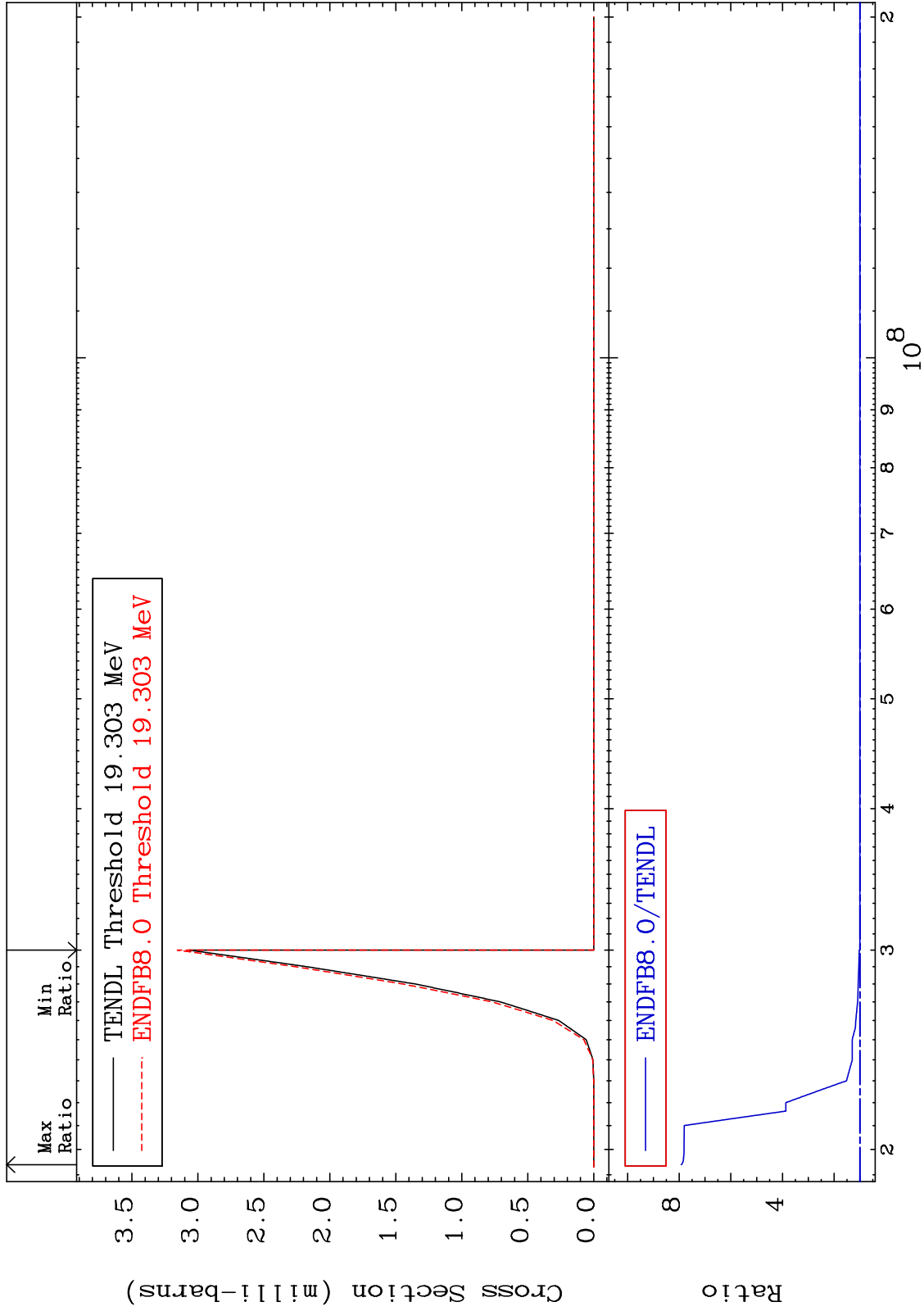
MAT 4228

(n,n') t

42-Mo-93

Cross Section

0.000 To 692.2 %



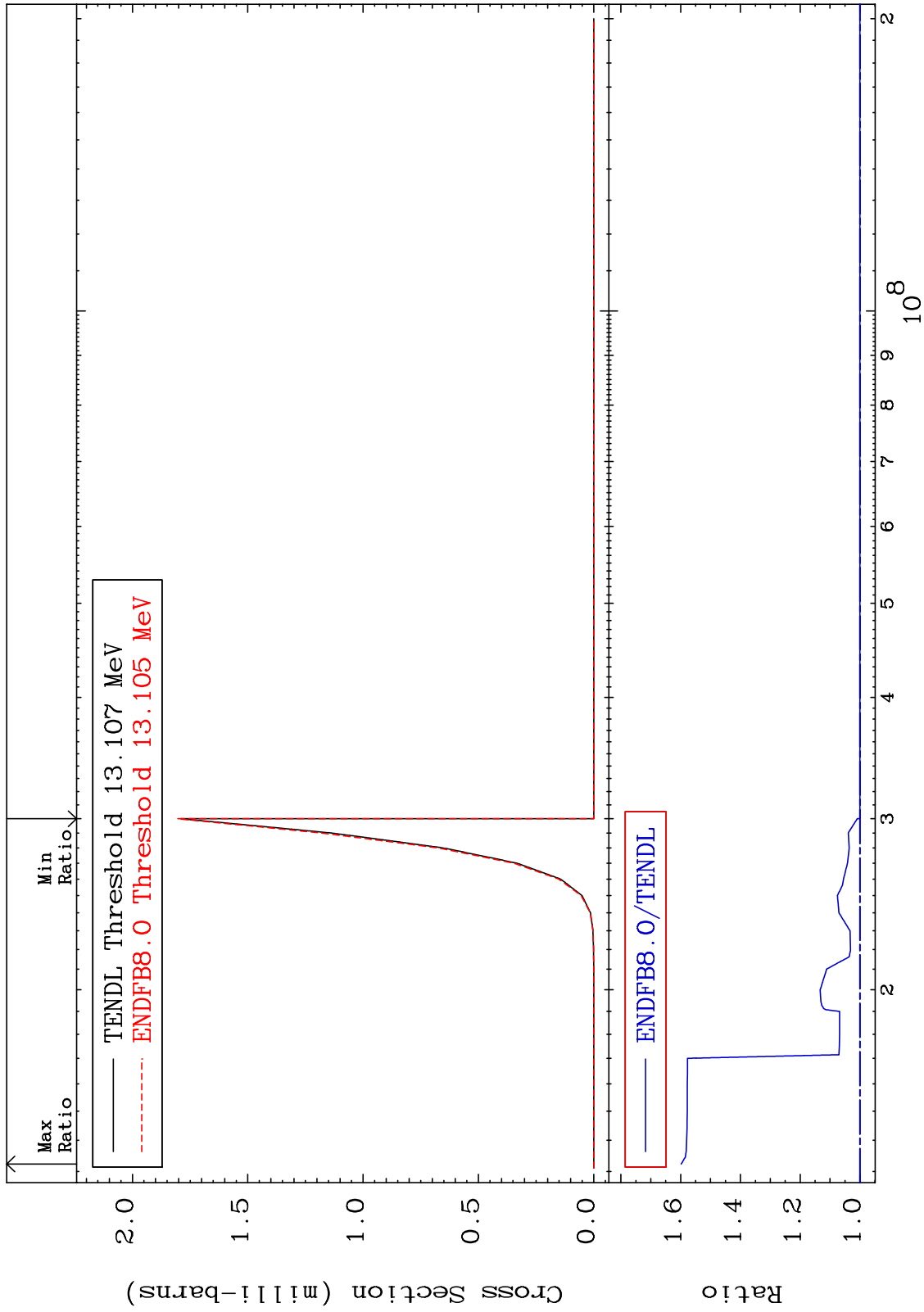
12

42-Mo-93

MAT 4228

(n, n') He-3  
Cross Section

42-Mo-93  
0.000 To 59.81 %



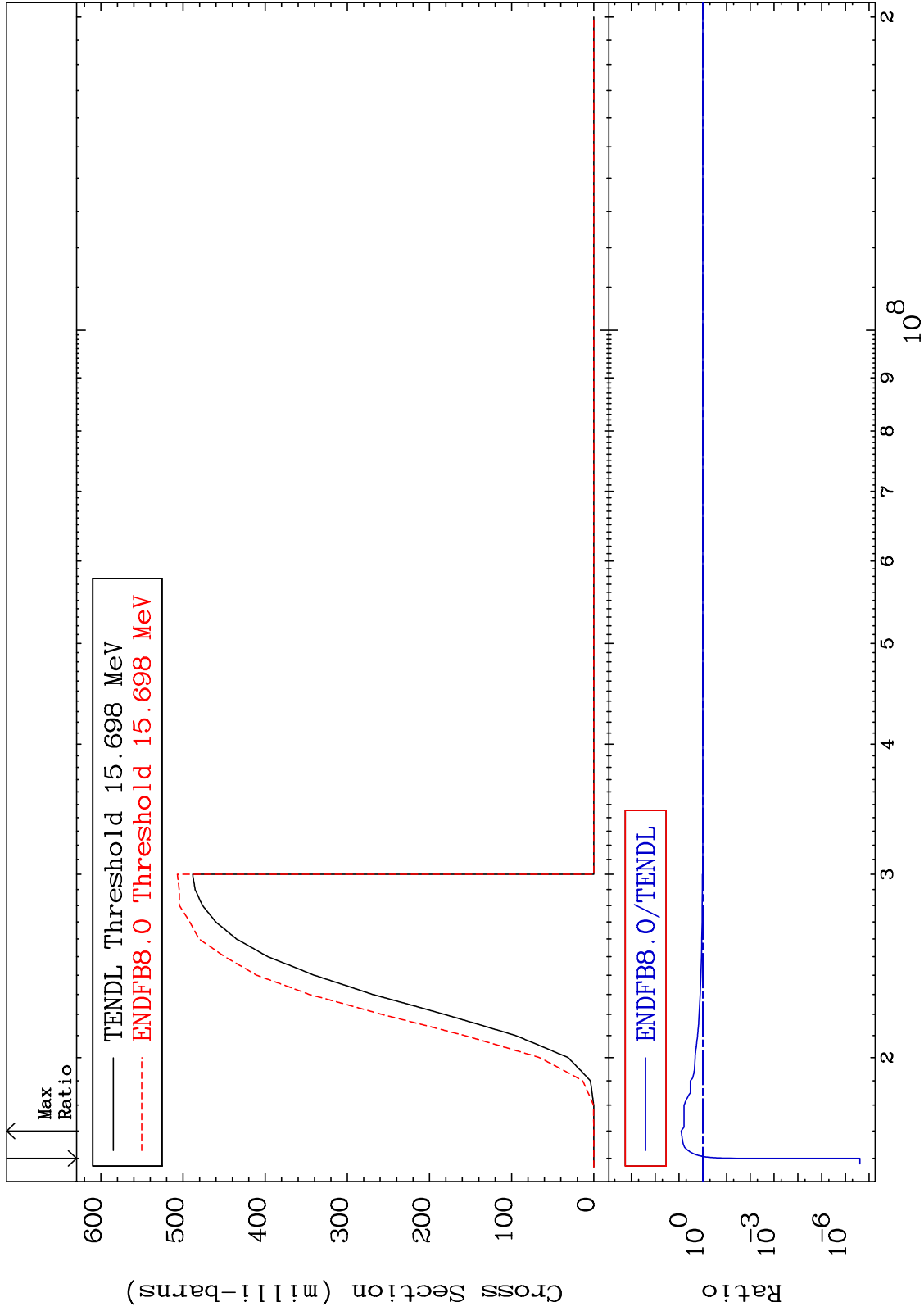
MAT 4228

(n,2n) p

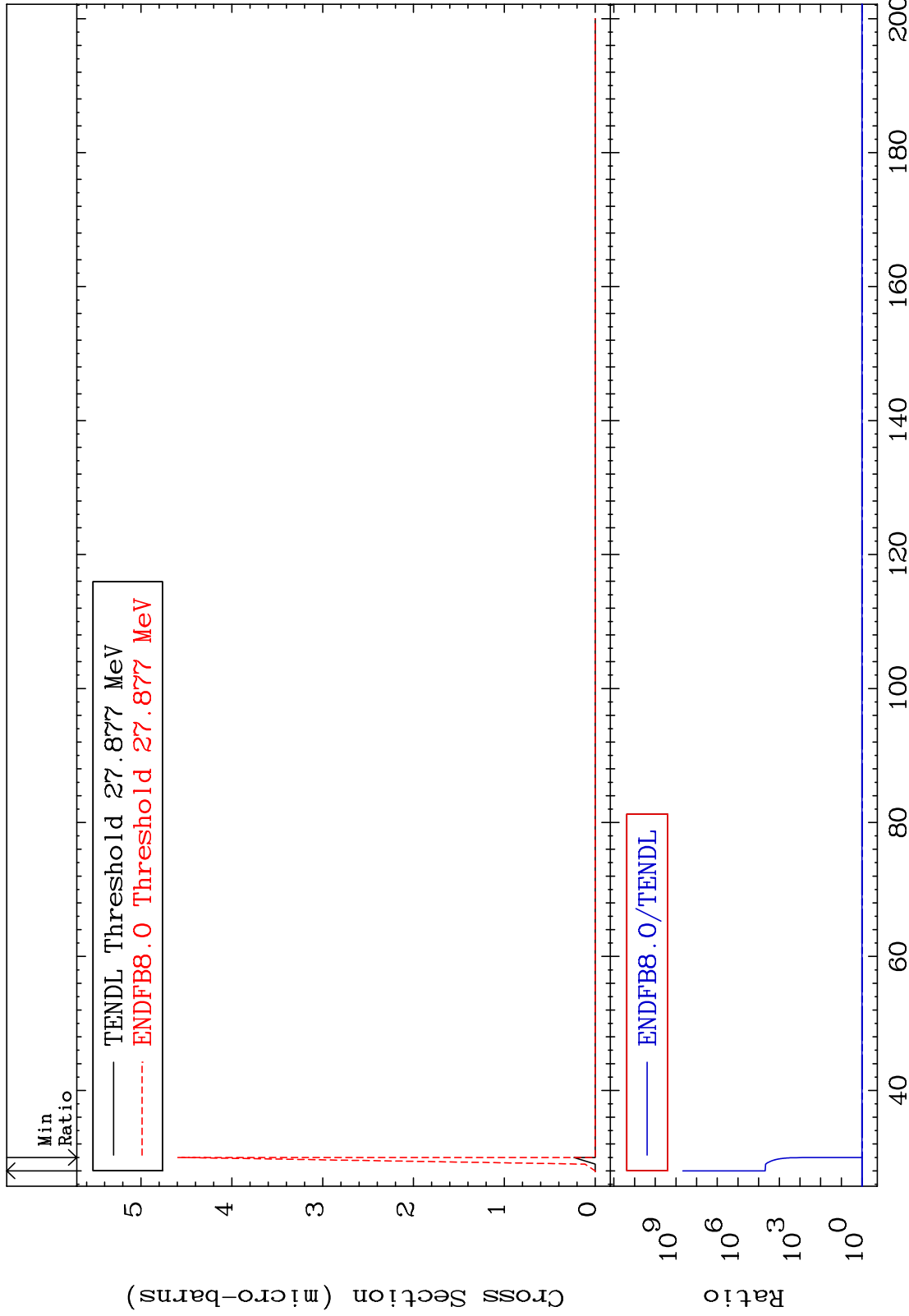
42-Mo-93

Cross Section

-100.0 To 704.1 %



MAT 4228 (n,3n) p 42-Mo-93  
Cross Section 0.000 To 9999. %

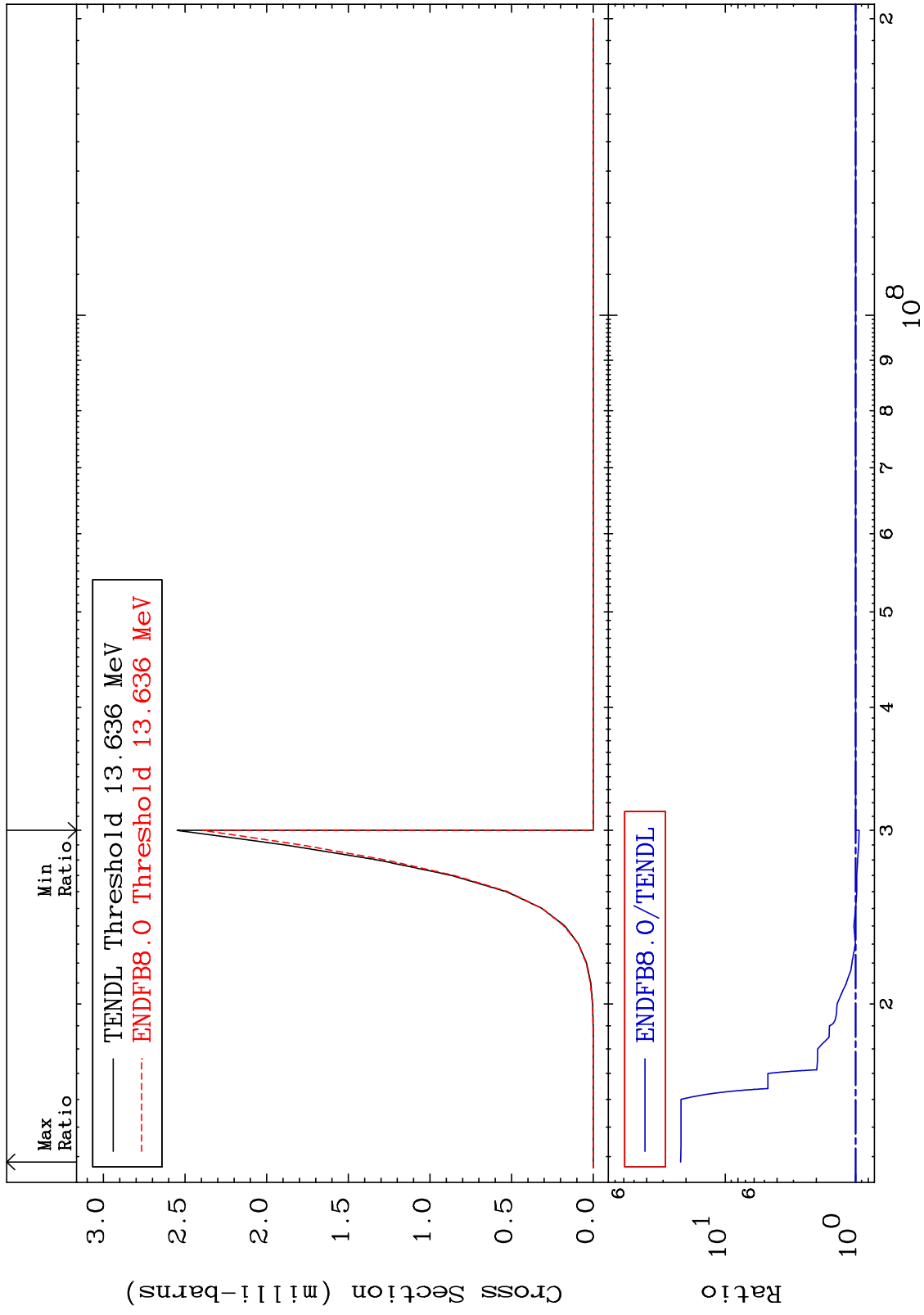




MAT 4228

(n,2n) p  
Cross Section

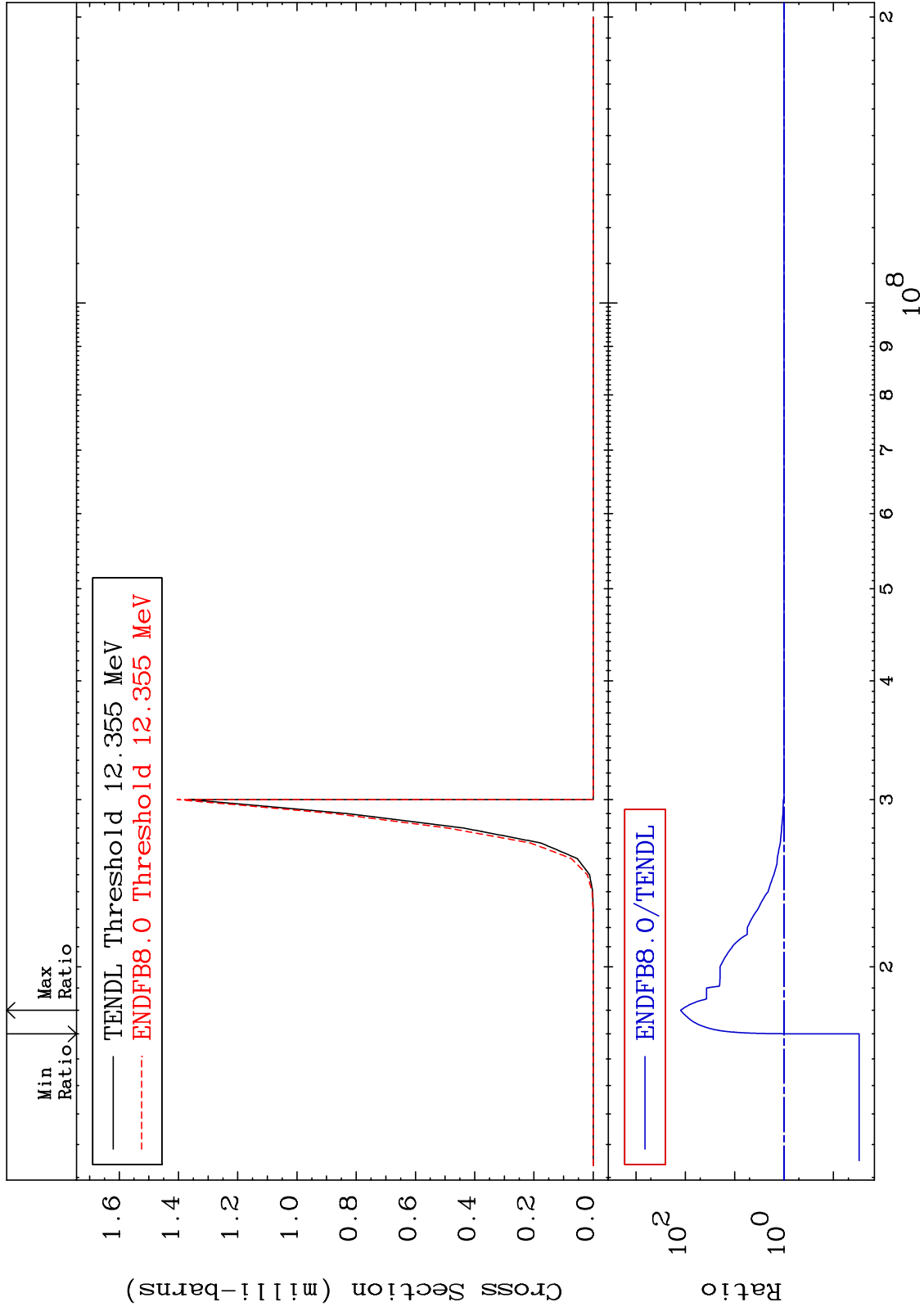
42-Mo-93  
-6.133 To 2099. %



MAT 4228

(n,n') p  $\alpha$   
Cross Section

42-Mo-93  
-96.99 To 9999. %



17

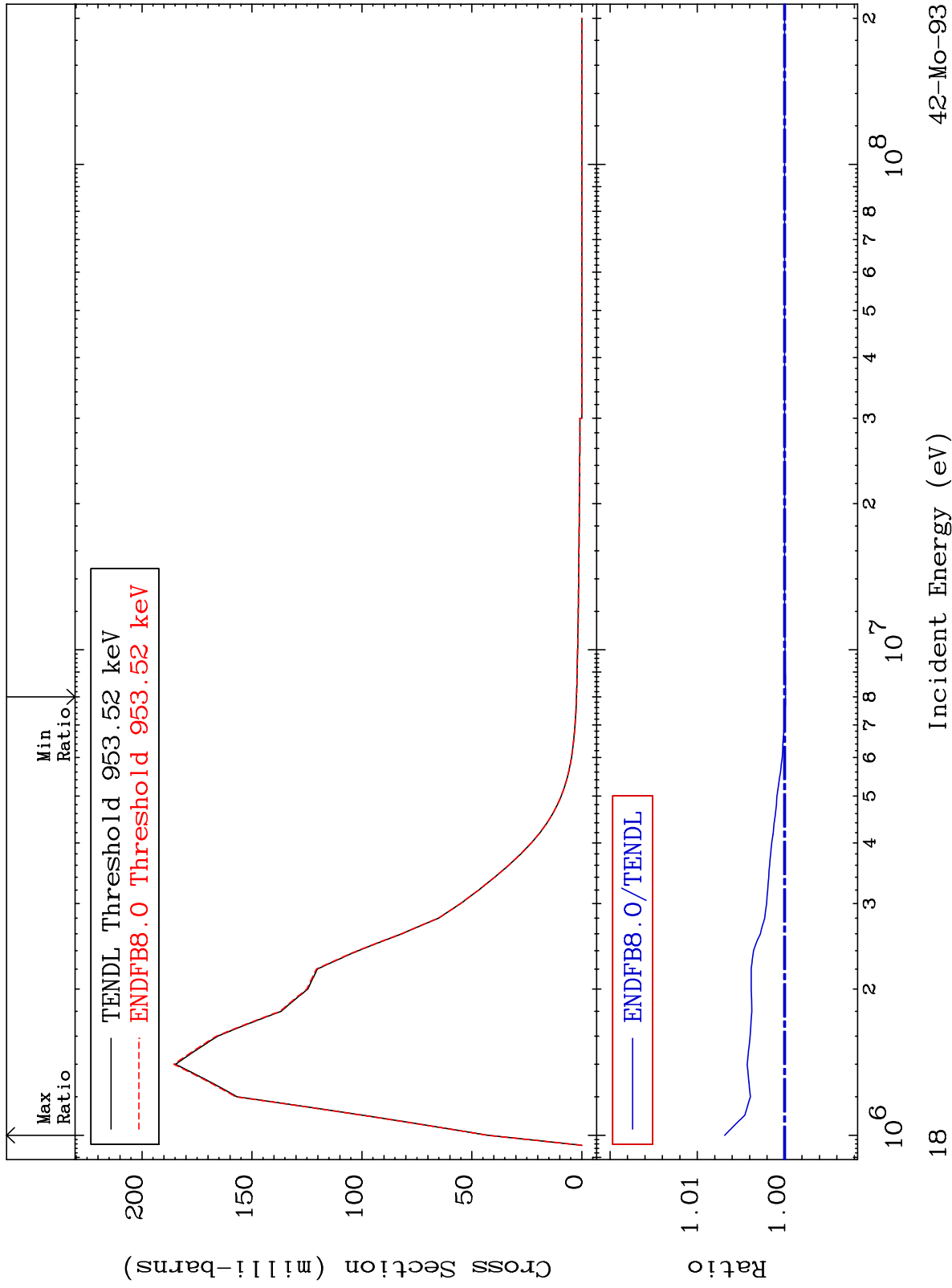
Incident Energy (eV)

42-Mo-93

MAT 4228

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

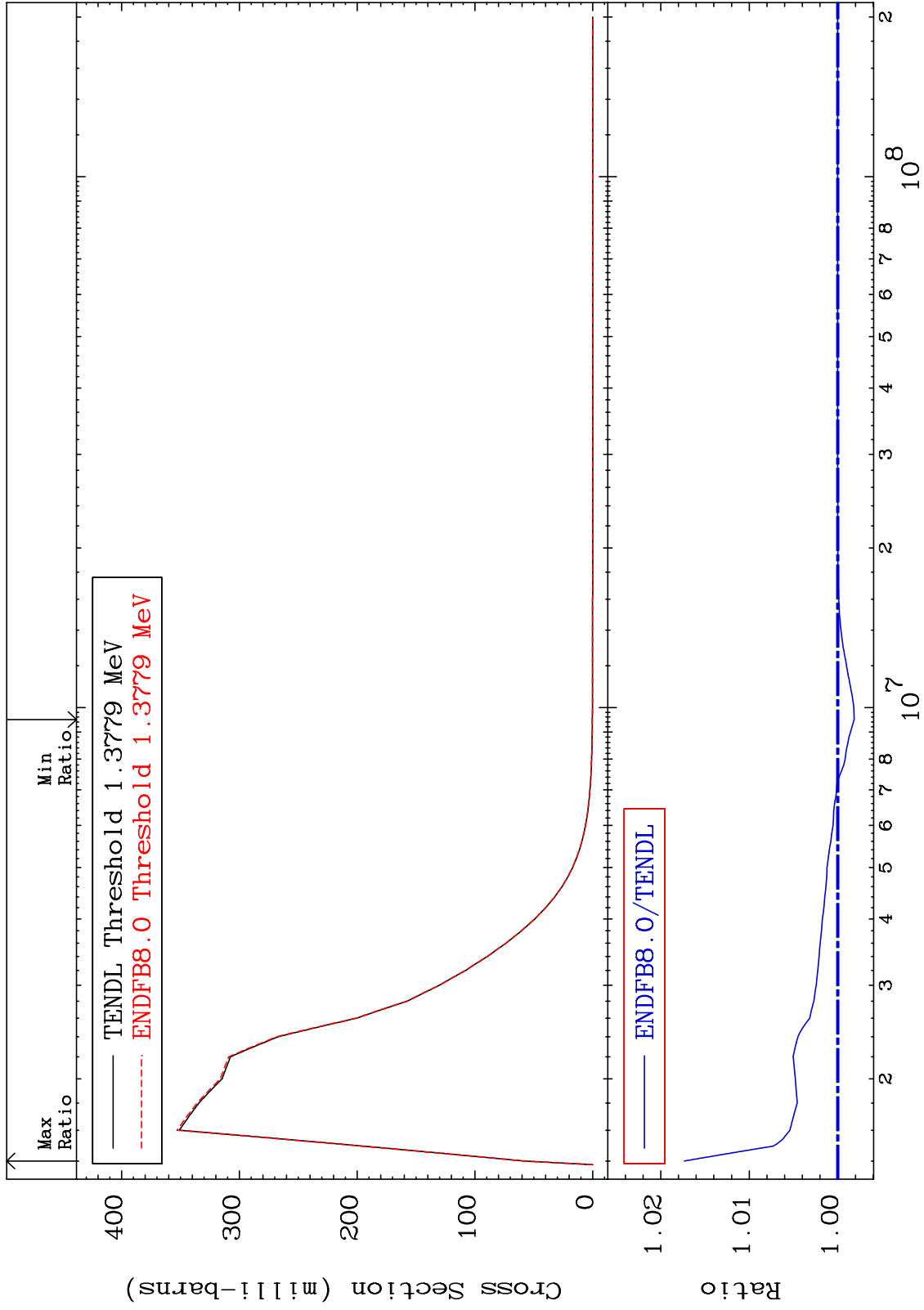
42-Mo-93  
-0.011 To 0.686 %



MAT 4228

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

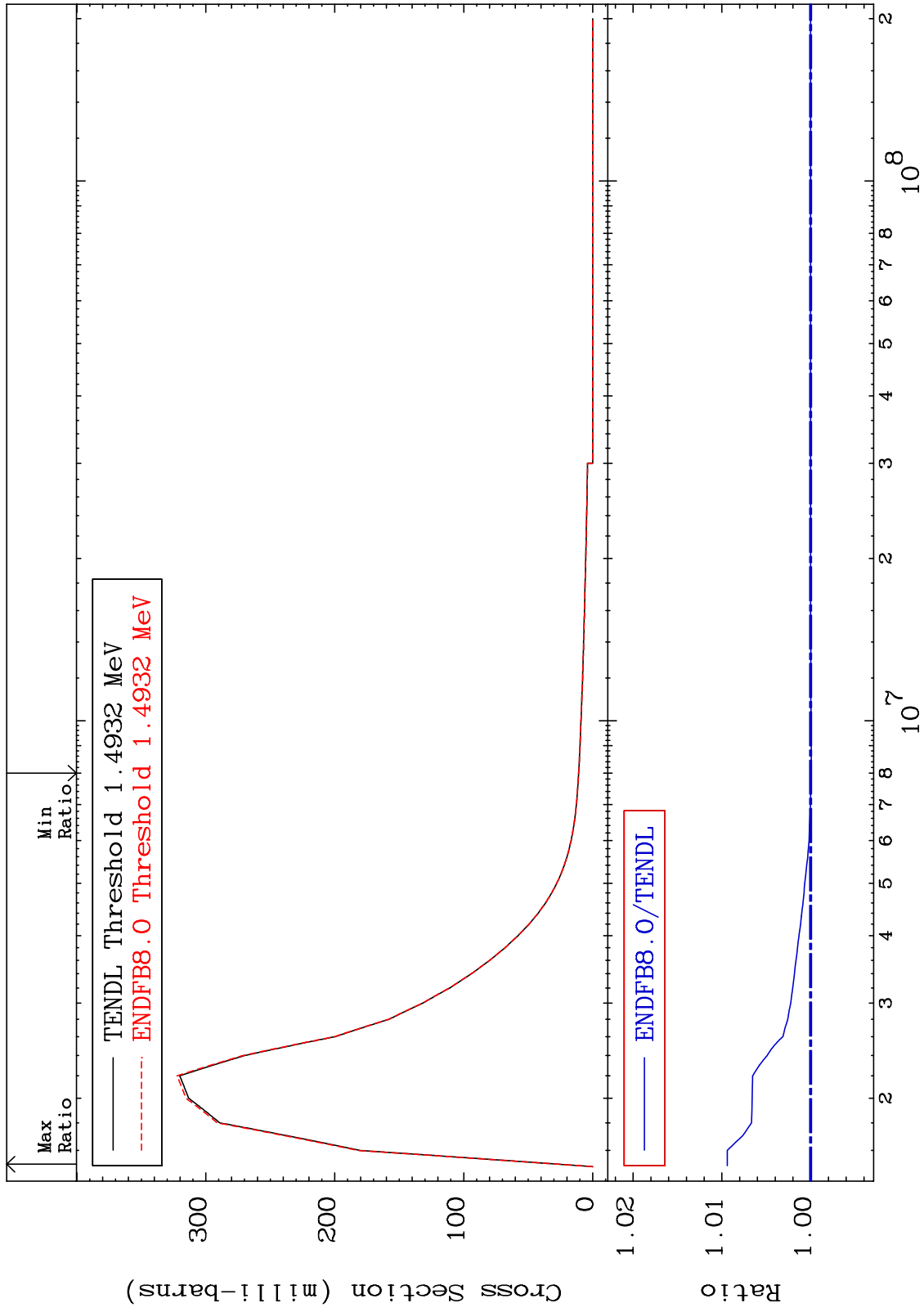
42-Mo-93  
-0.185 To 1.734 %



MAT 4228

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

42-Mo-93  
-0.006 To 0.941 %



20

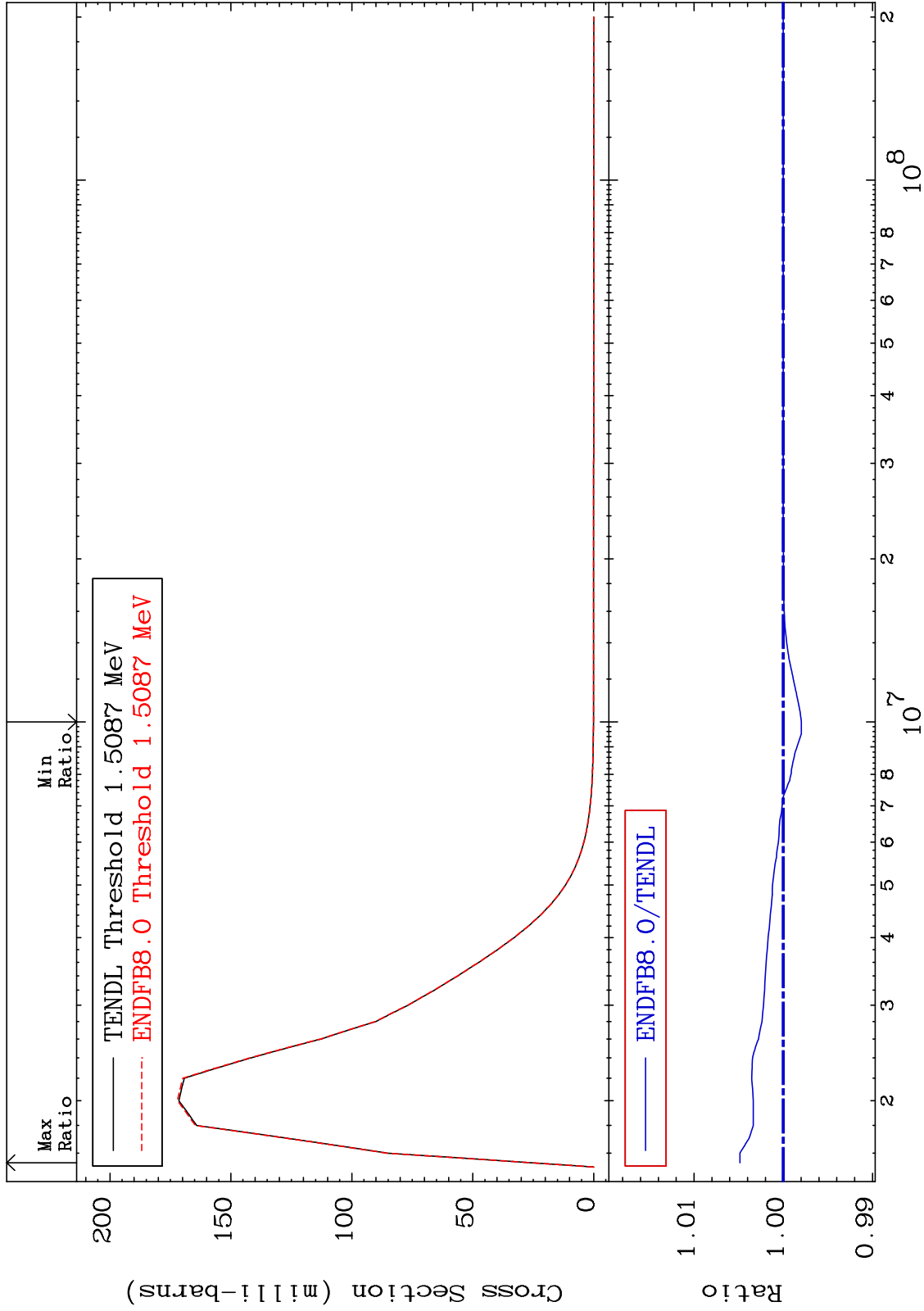
Incident Energy (eV)

42-Mo-93

MAT 4228

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

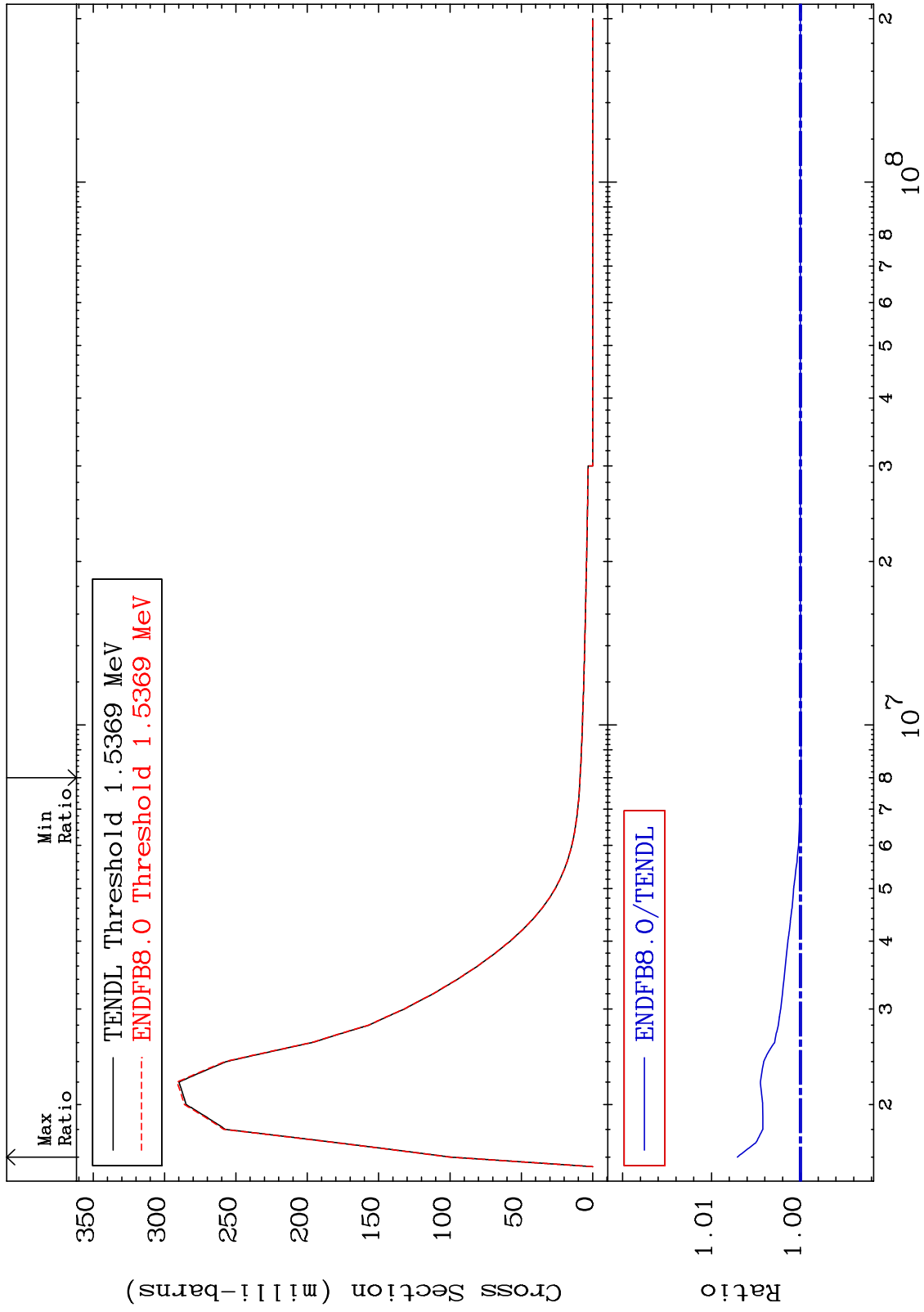
42-Mo-93  
-0.202 To 0.487 %



MAT 4228

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

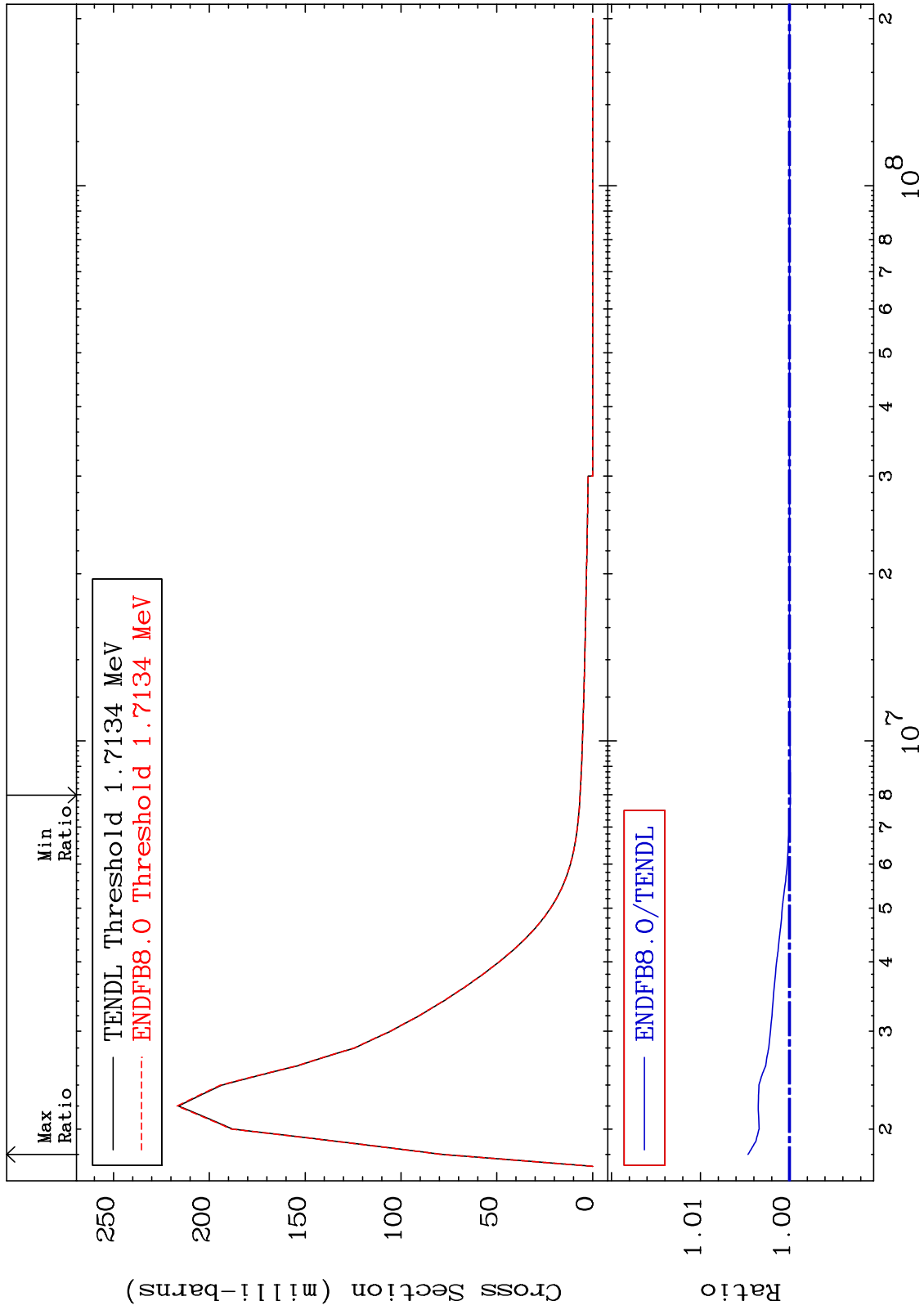
42-Mo-93  
-0.008 To 0.711 %



MAT 4228

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

42-Mo-93  
-0.010 To 0.465 %



23

Incident Energy (eV)

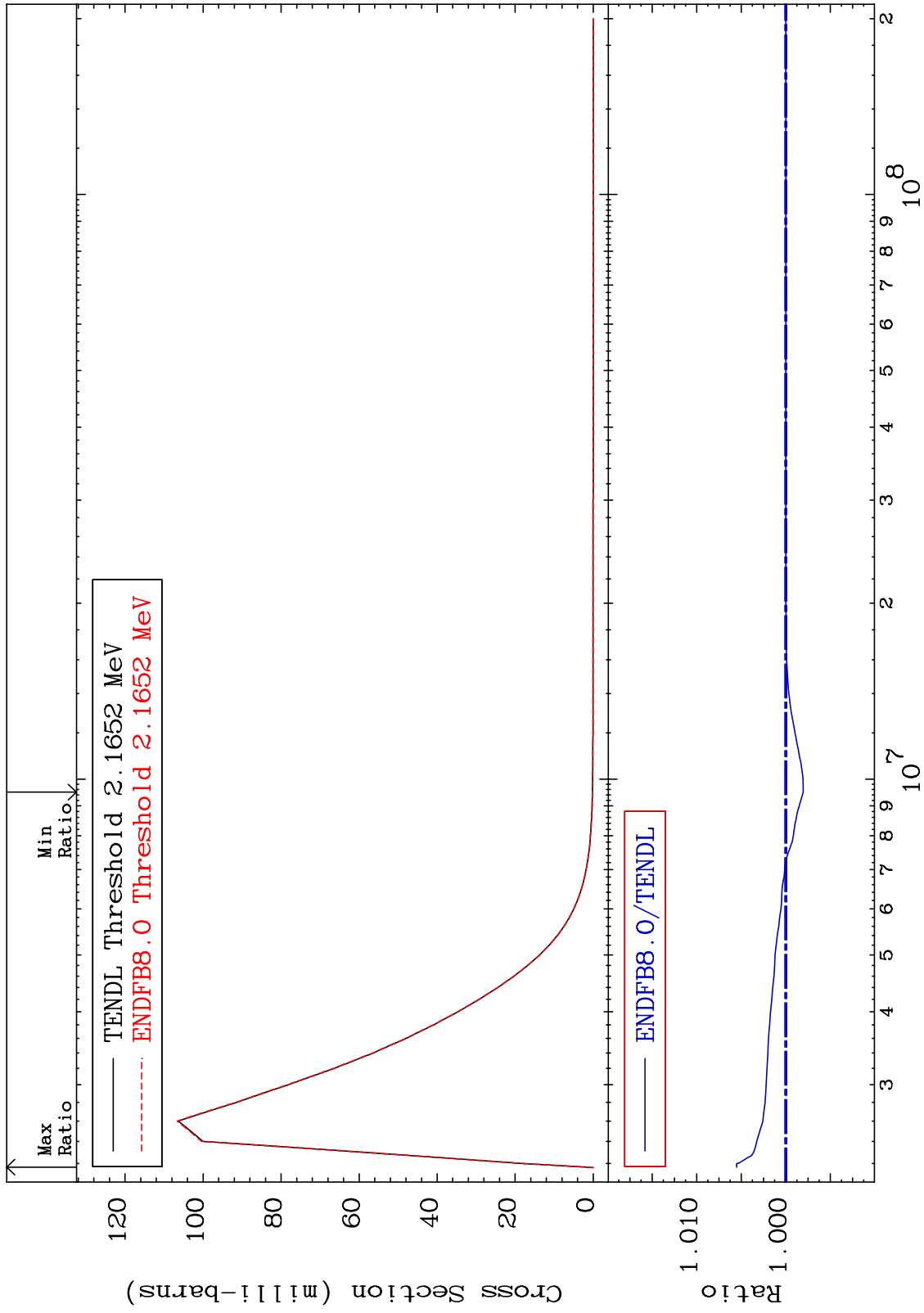
42-Mo-93



MAT 4228

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

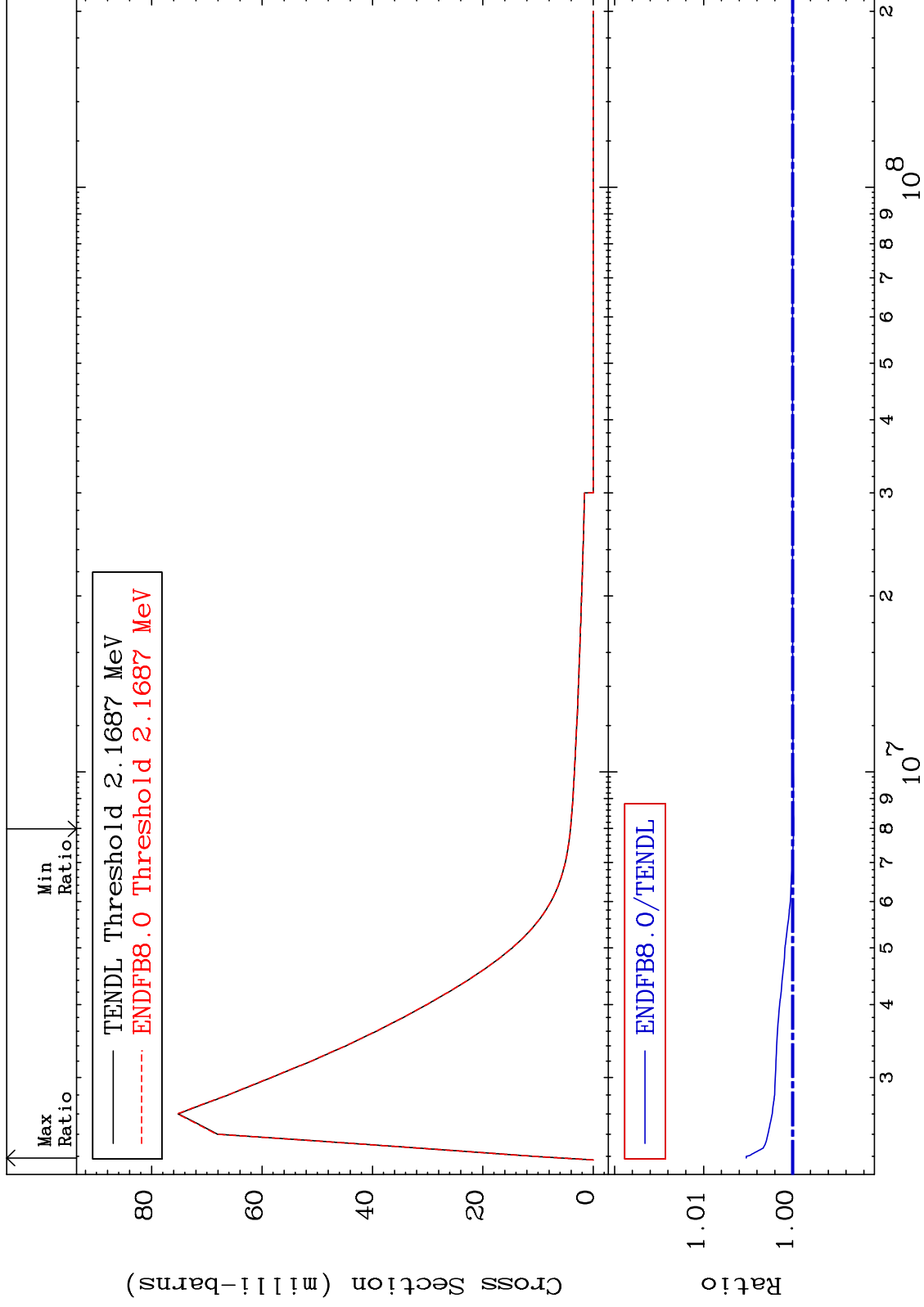
42-Mo-93  
-0.195 To 0.552 %



MAT 4228

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

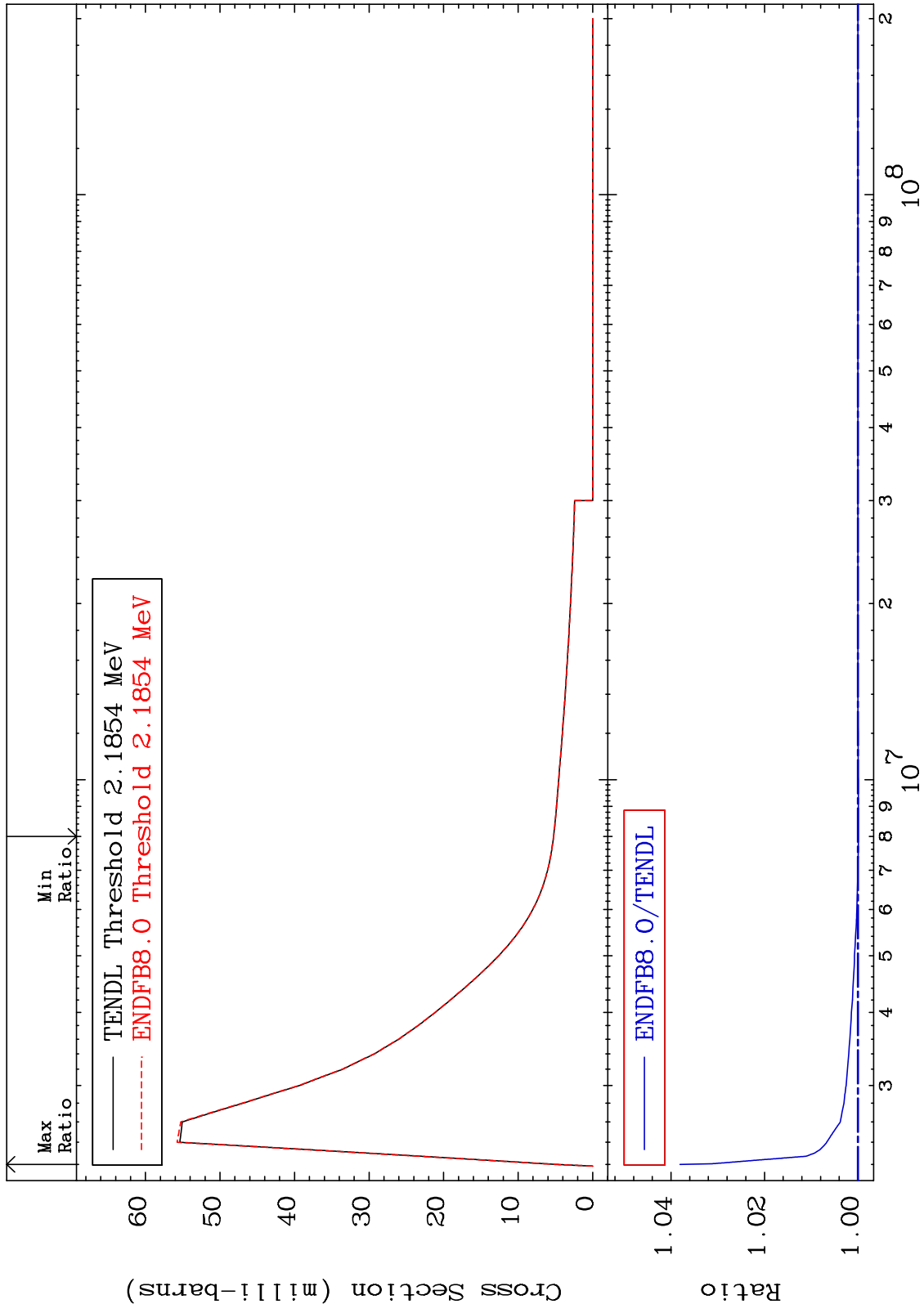
42-Mo-93  
-0.010 To 0.522 %



MAT 4228

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

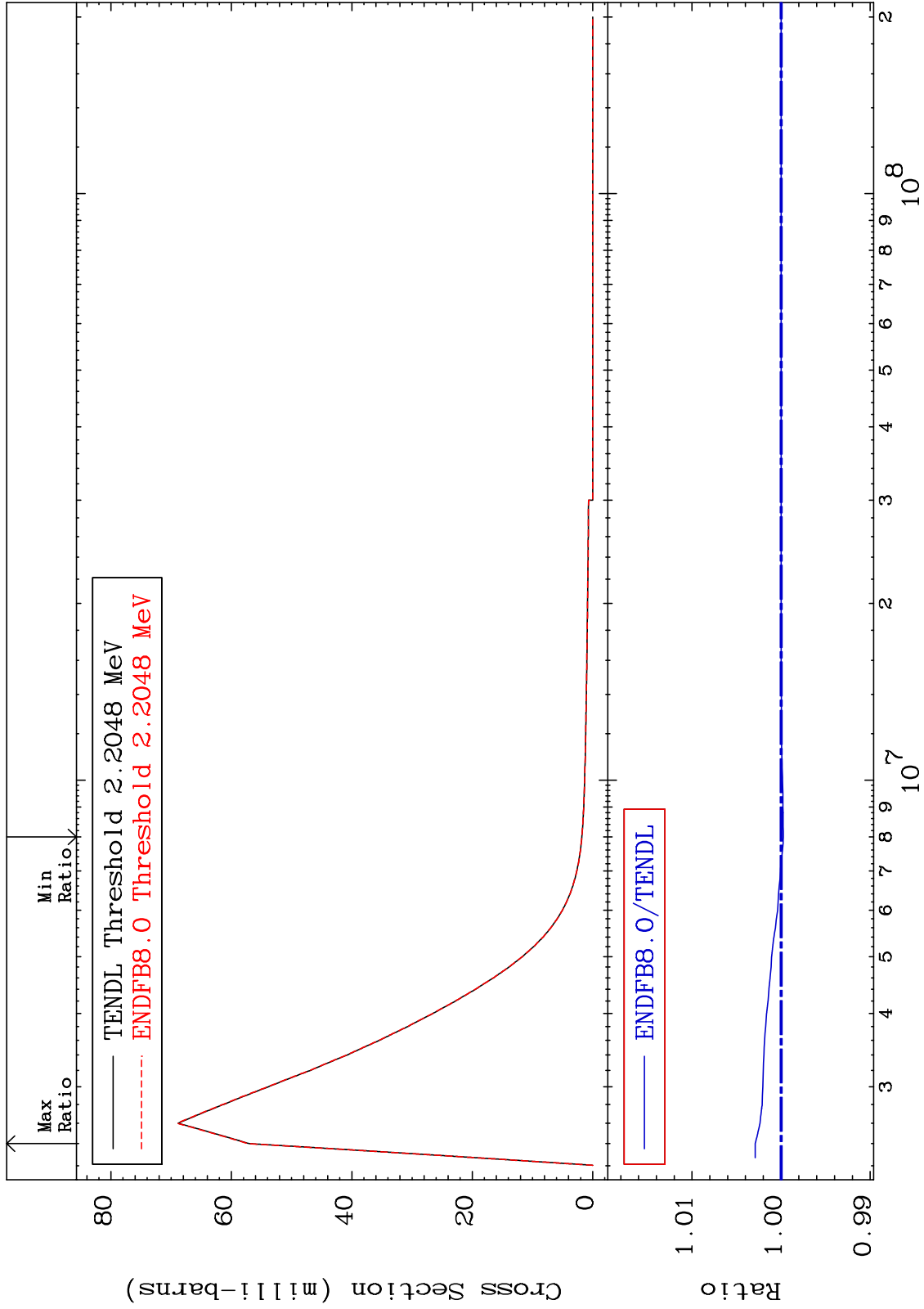
42-Mo-93  
-0.010 To 3.807 %



MAT 4228

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

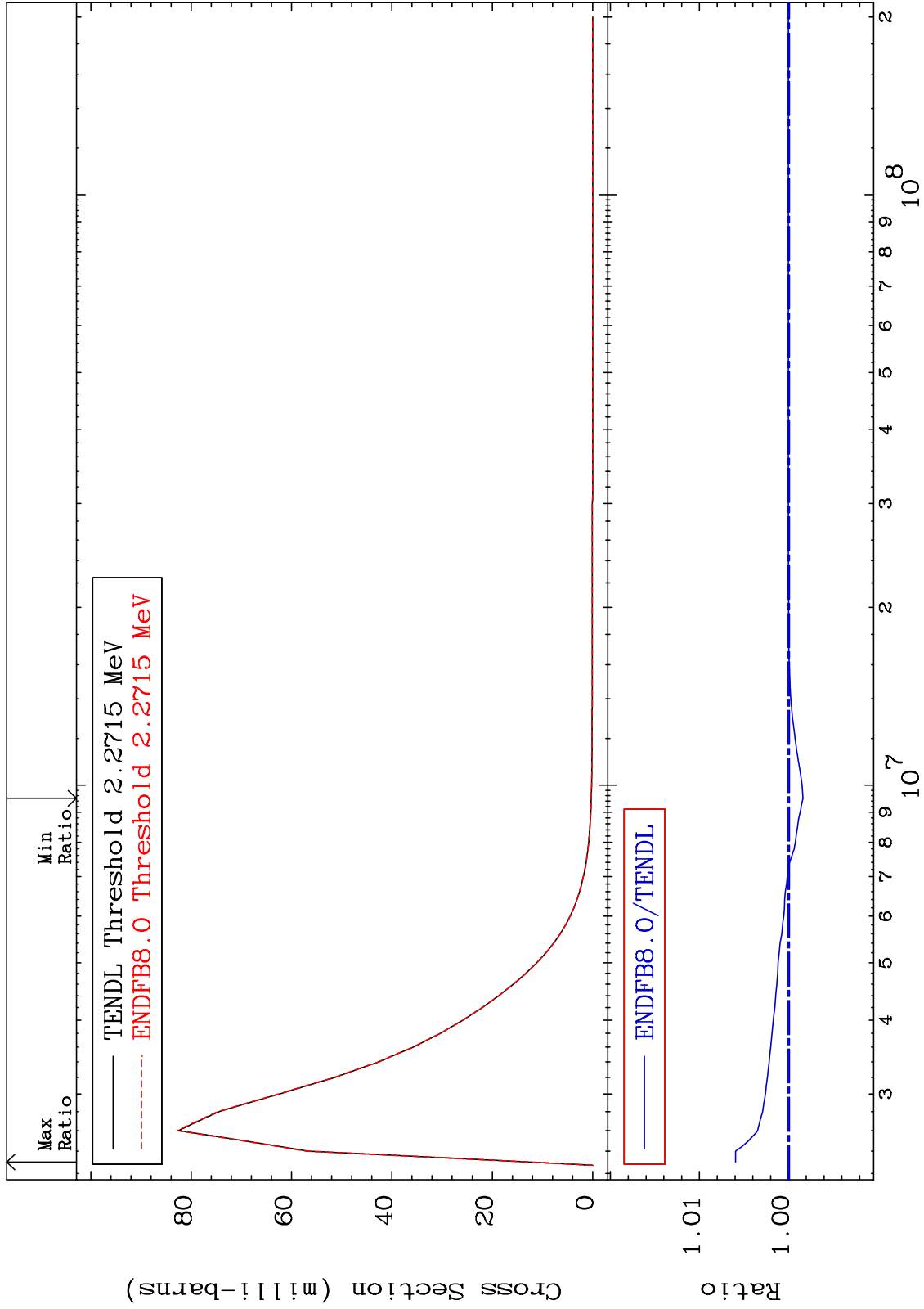
42-Mo-93  
-0.024 To 0.291 %



MAT 4228

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

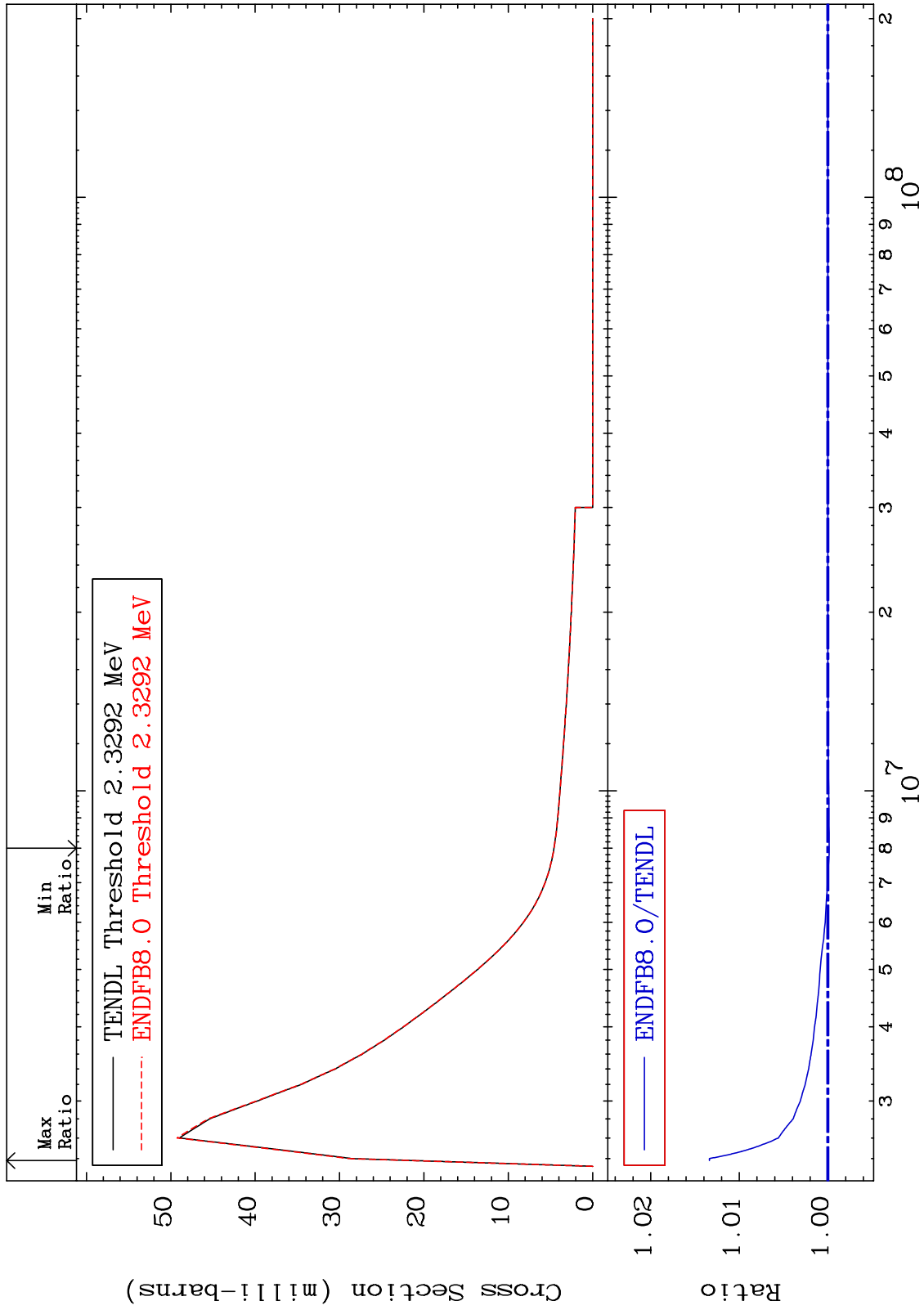
42-Mo-93  
-0.163 To 0.595 %



MAT 4228

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

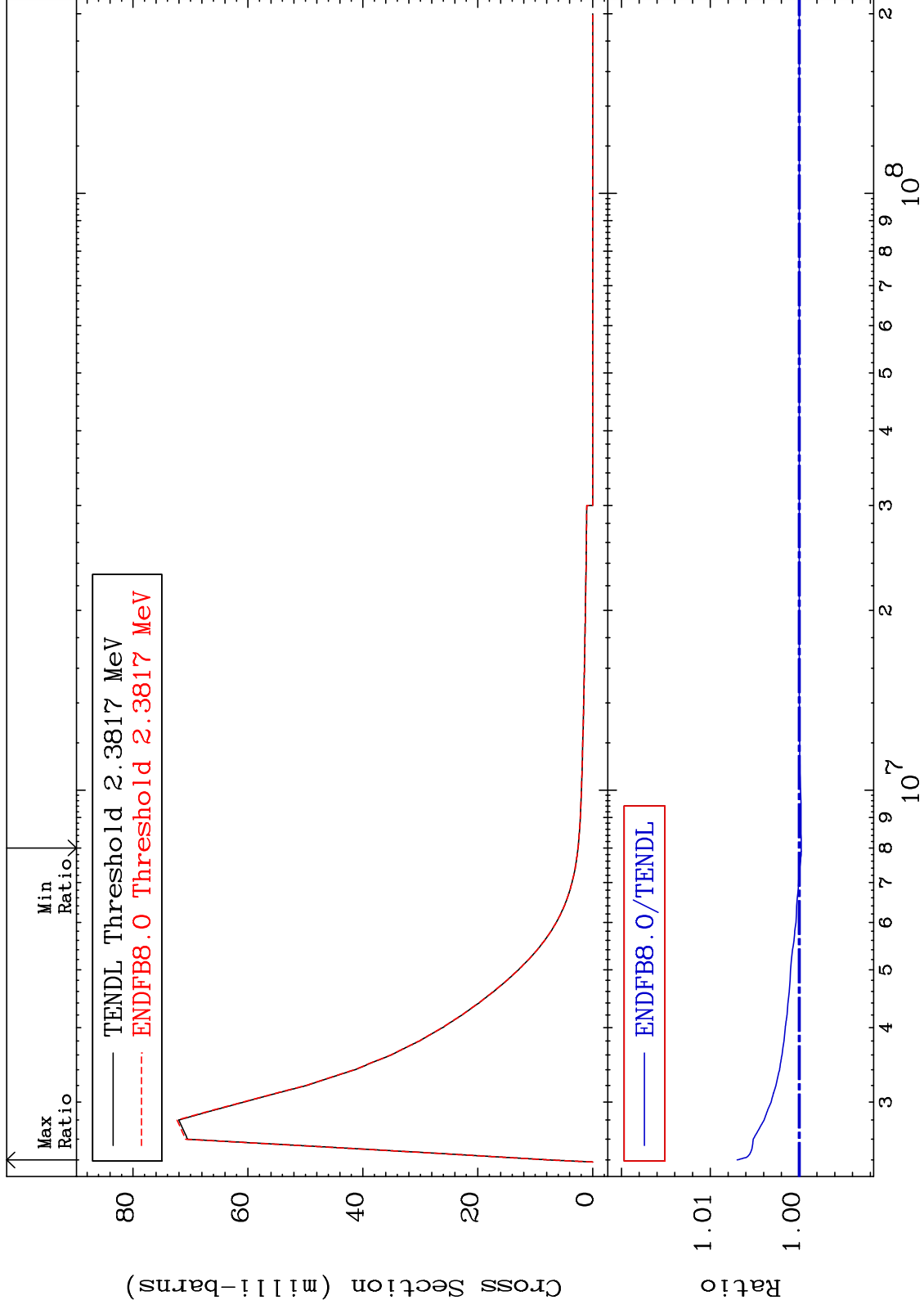
42-Mo-93  
-0.014 To 1.338 %



MAT 4228

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

42-Mo-93  
-0.022 To 0.698 %



30

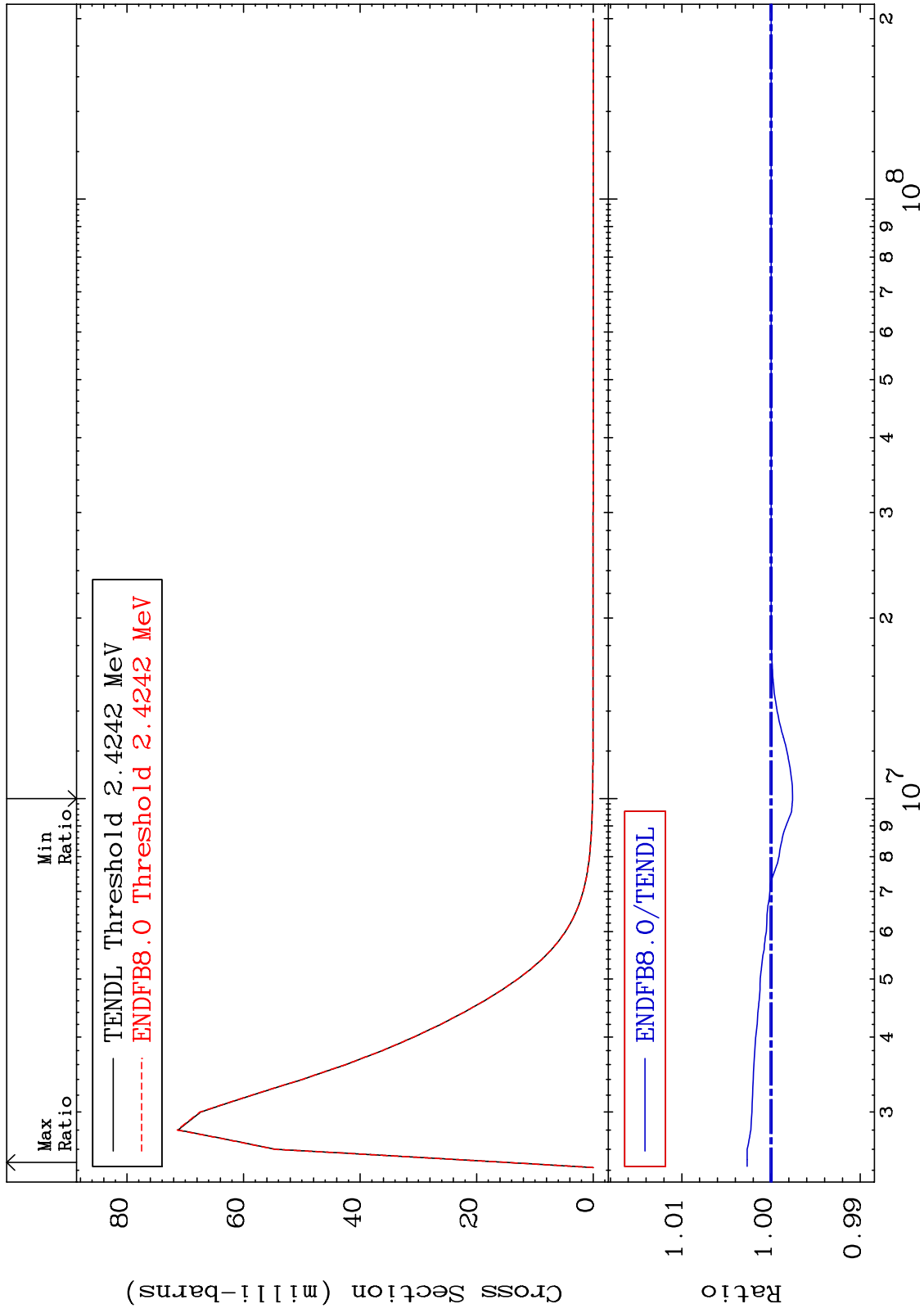
Incident Energy (eV)

42-Mo-93

MAT 4228

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

42-Mo-93  
-0.242 To 0.268 %

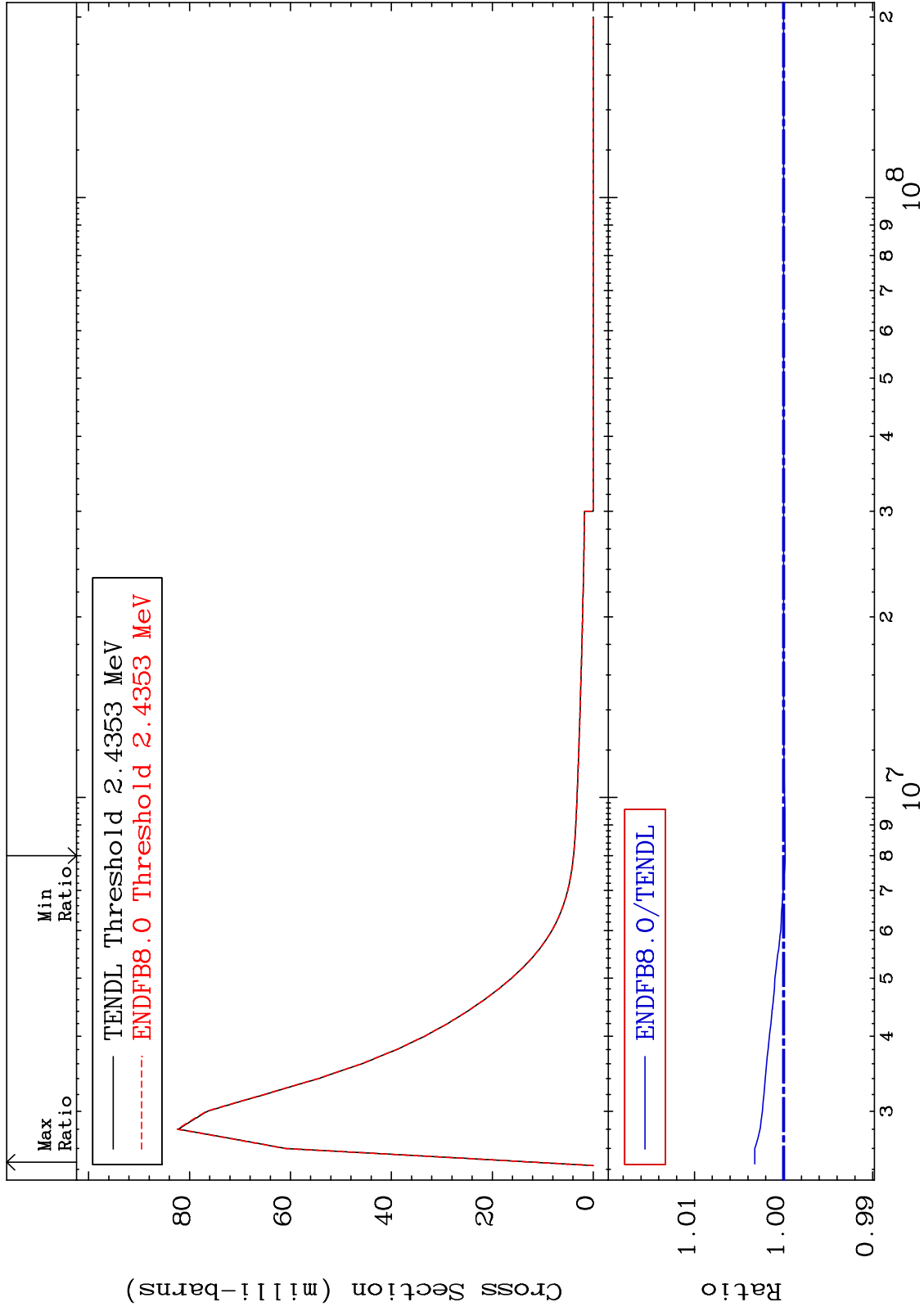




MAT 4228

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

42-Mo-93  
-0.017 To 0.324 %



32

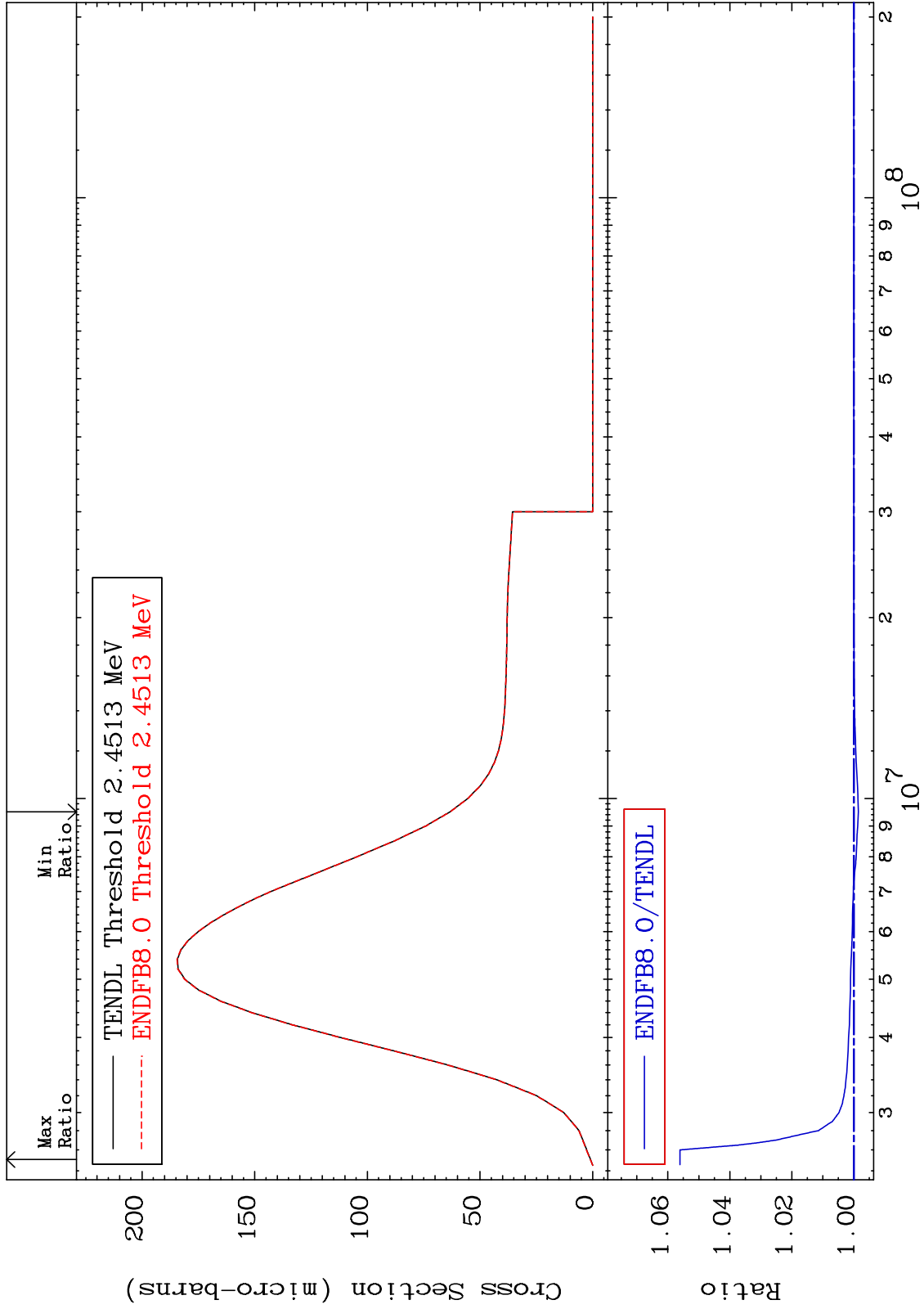
Incident Energy (eV)

42-Mo-93

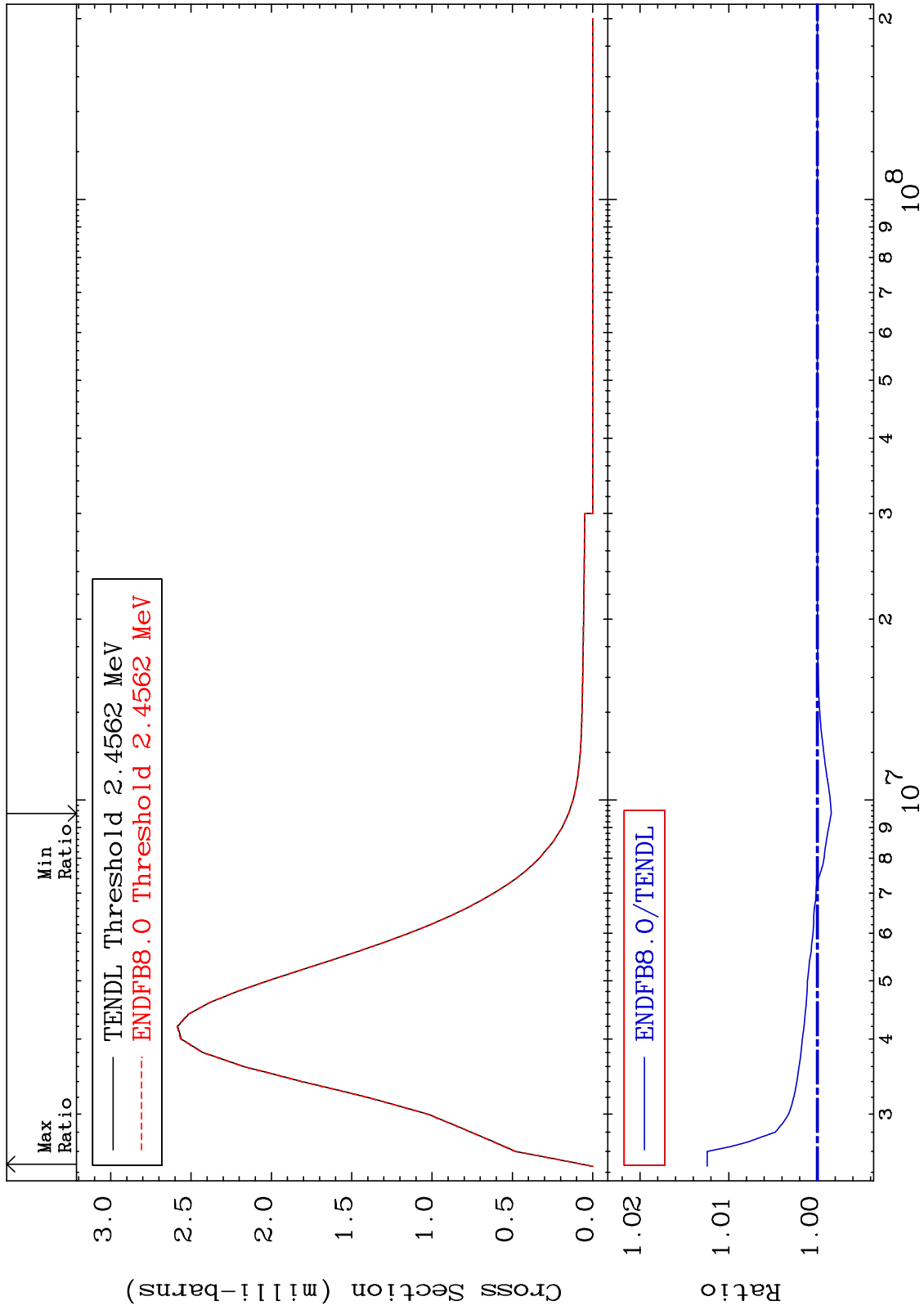
MAT 4228

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

42-Mo-93  
-0.148 To 5.606 %



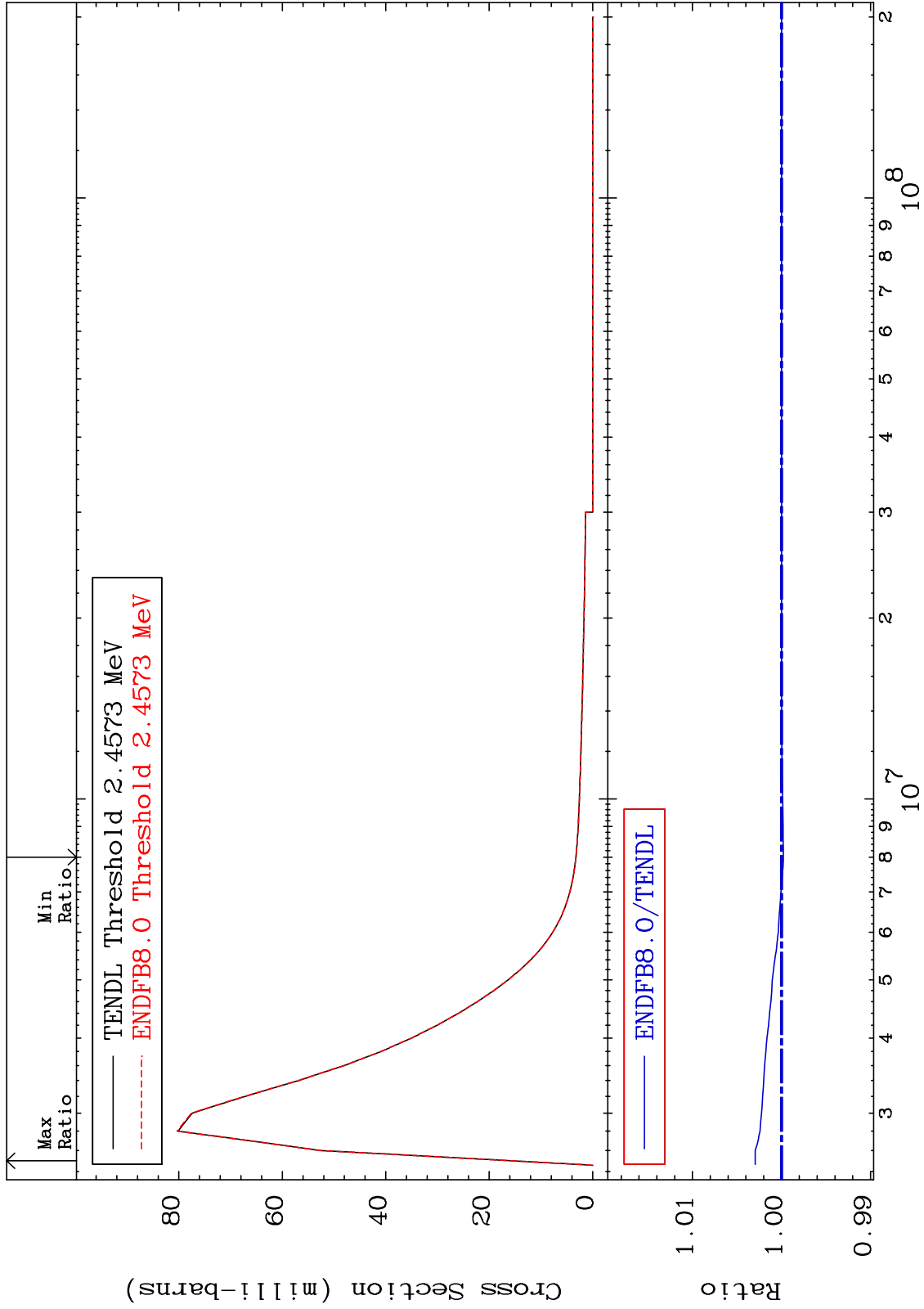
MAT 4228 MT= 67 (n,n') Level Cross Section 42-Mo-93  
 -0.156 To 1.243 %



MAT 4228

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

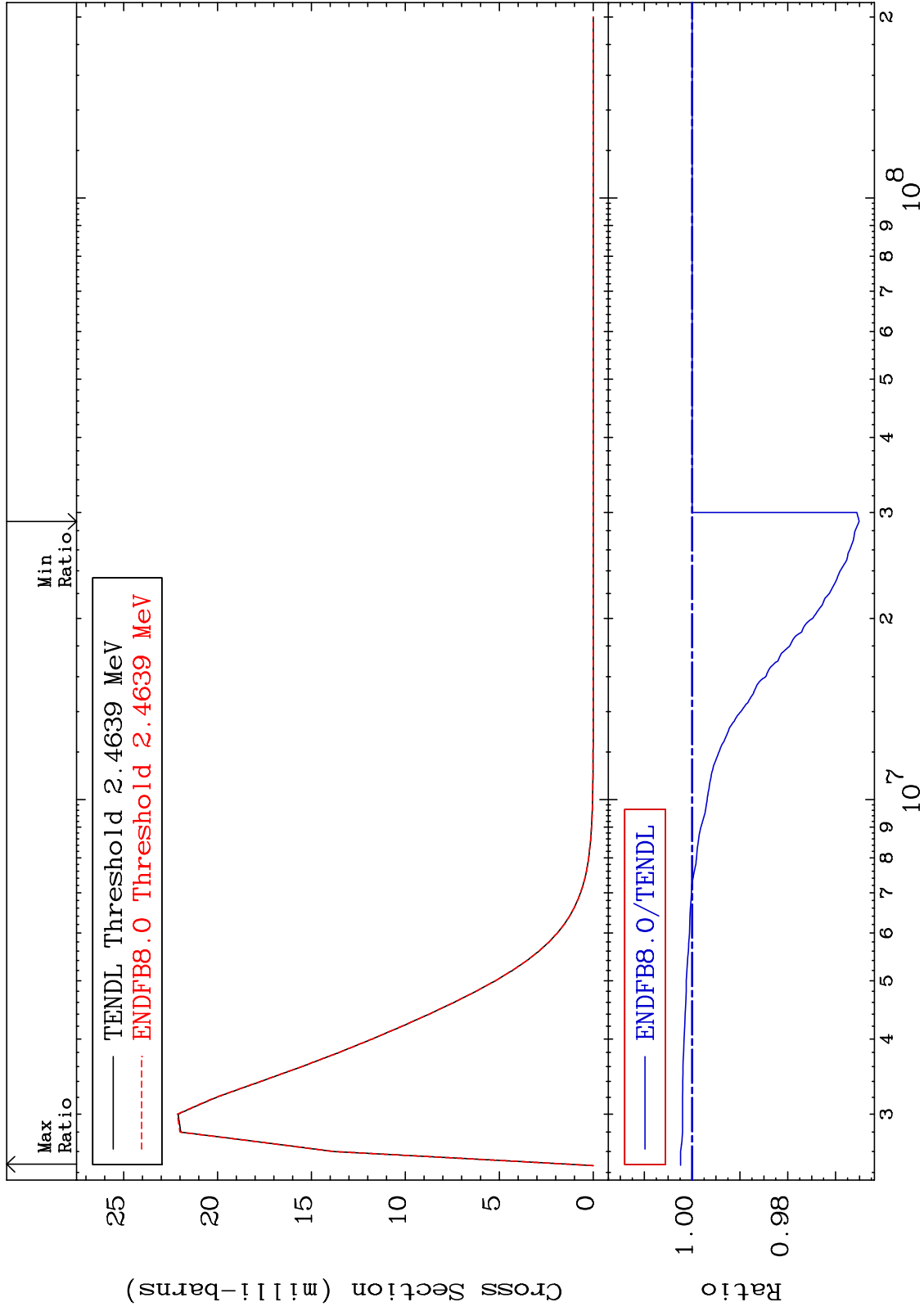
42-Mo-93  
-0.020 To 0.297 %



MAT 4228

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

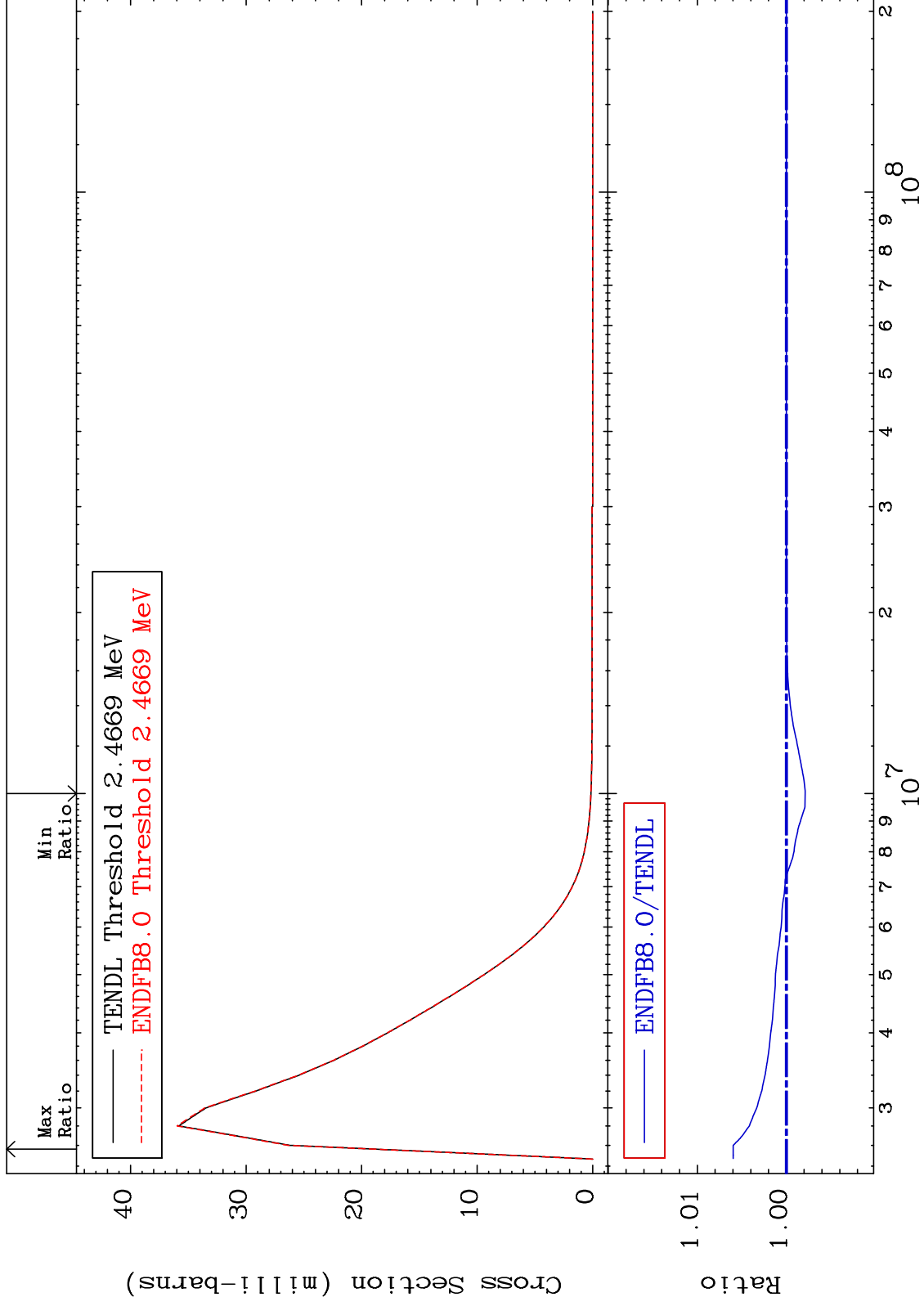
42-Mo-93  
-3.494 To 0.240 %



MAT 4228

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

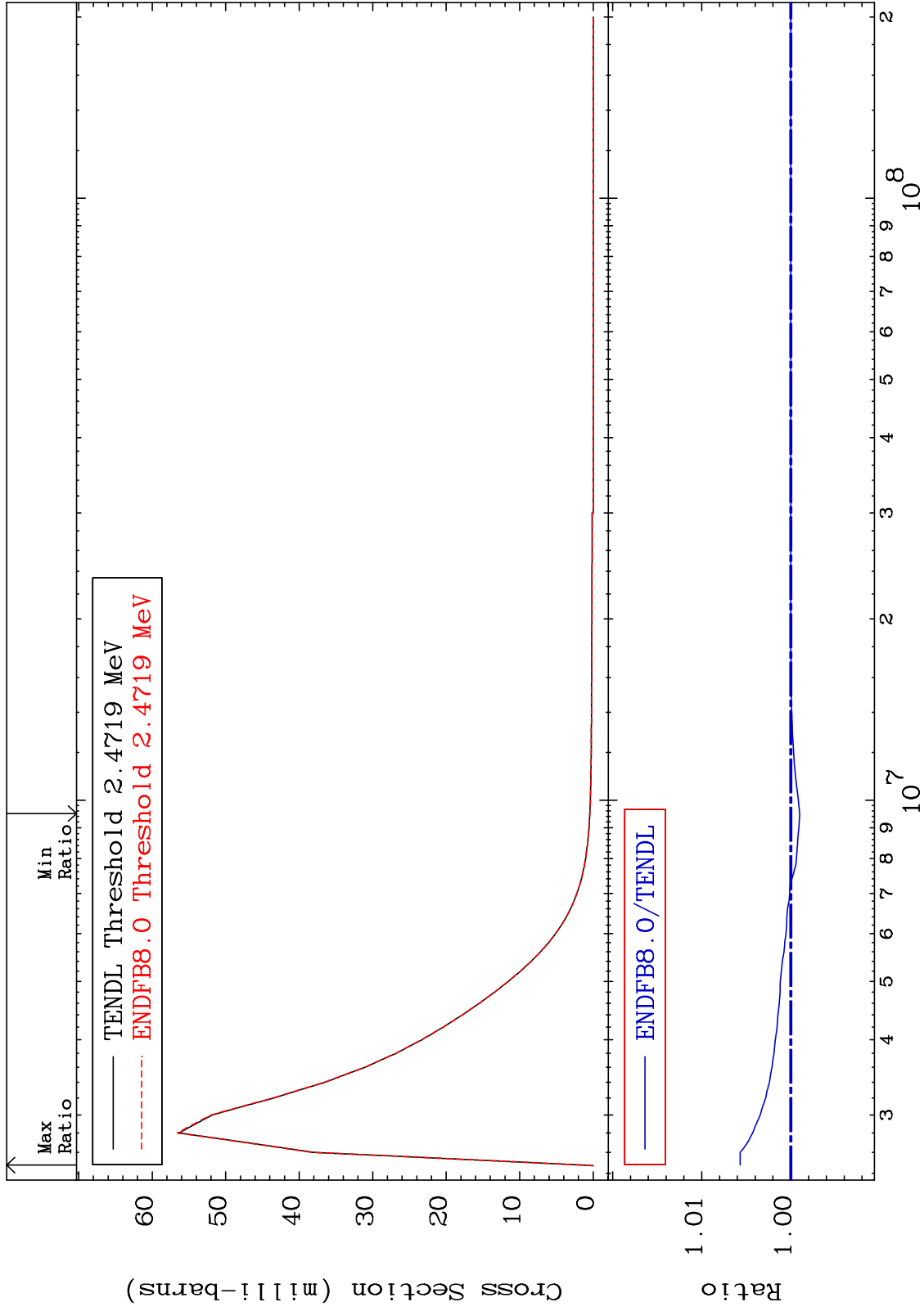
42-Mo-93  
-0.212 To 0.597 %



MAT 4228

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

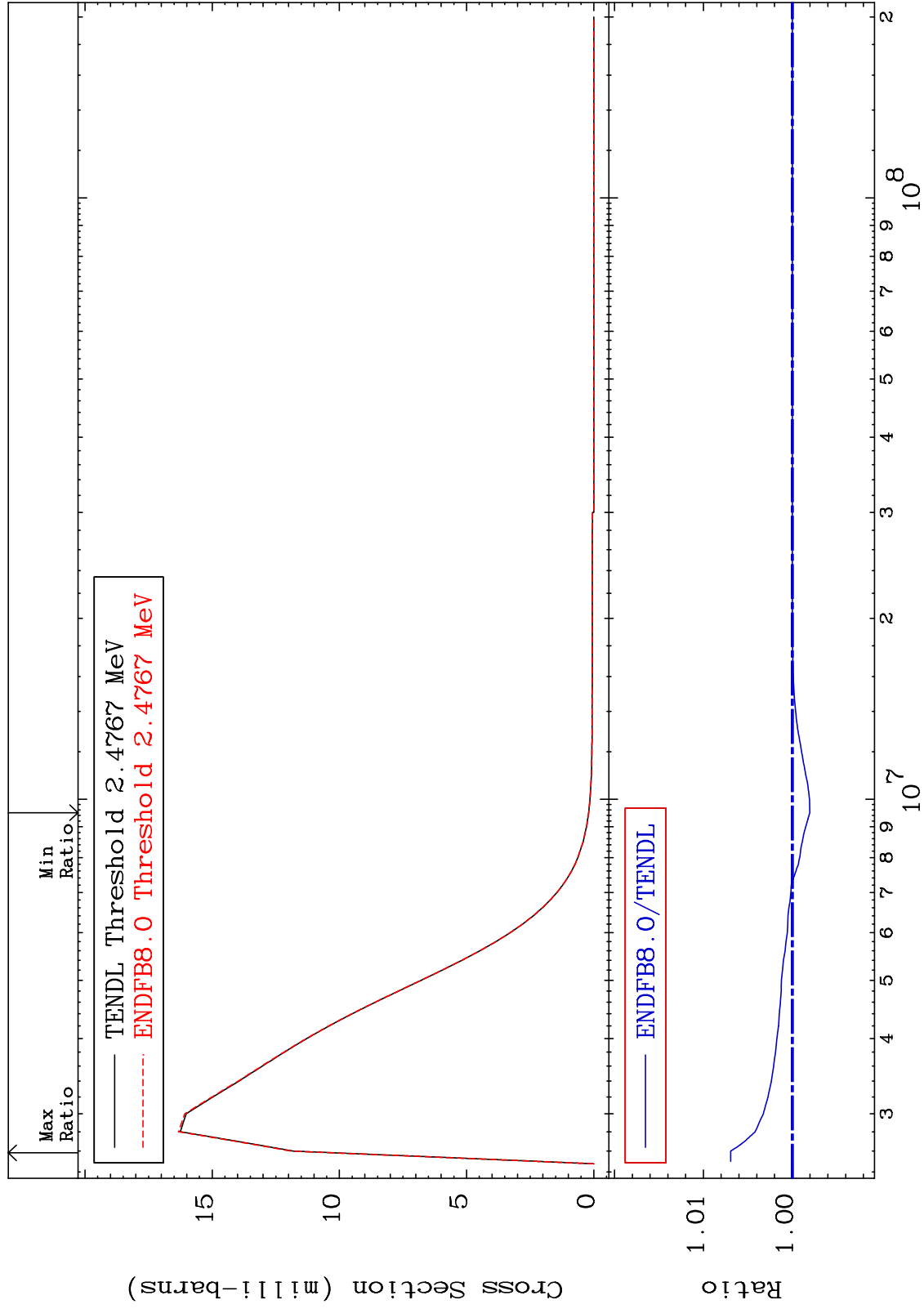
42-Mo-93  
-0.100 To 0.569 %



MAT 4228

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

42-Mo-93  
-0.196 To 0.694 %

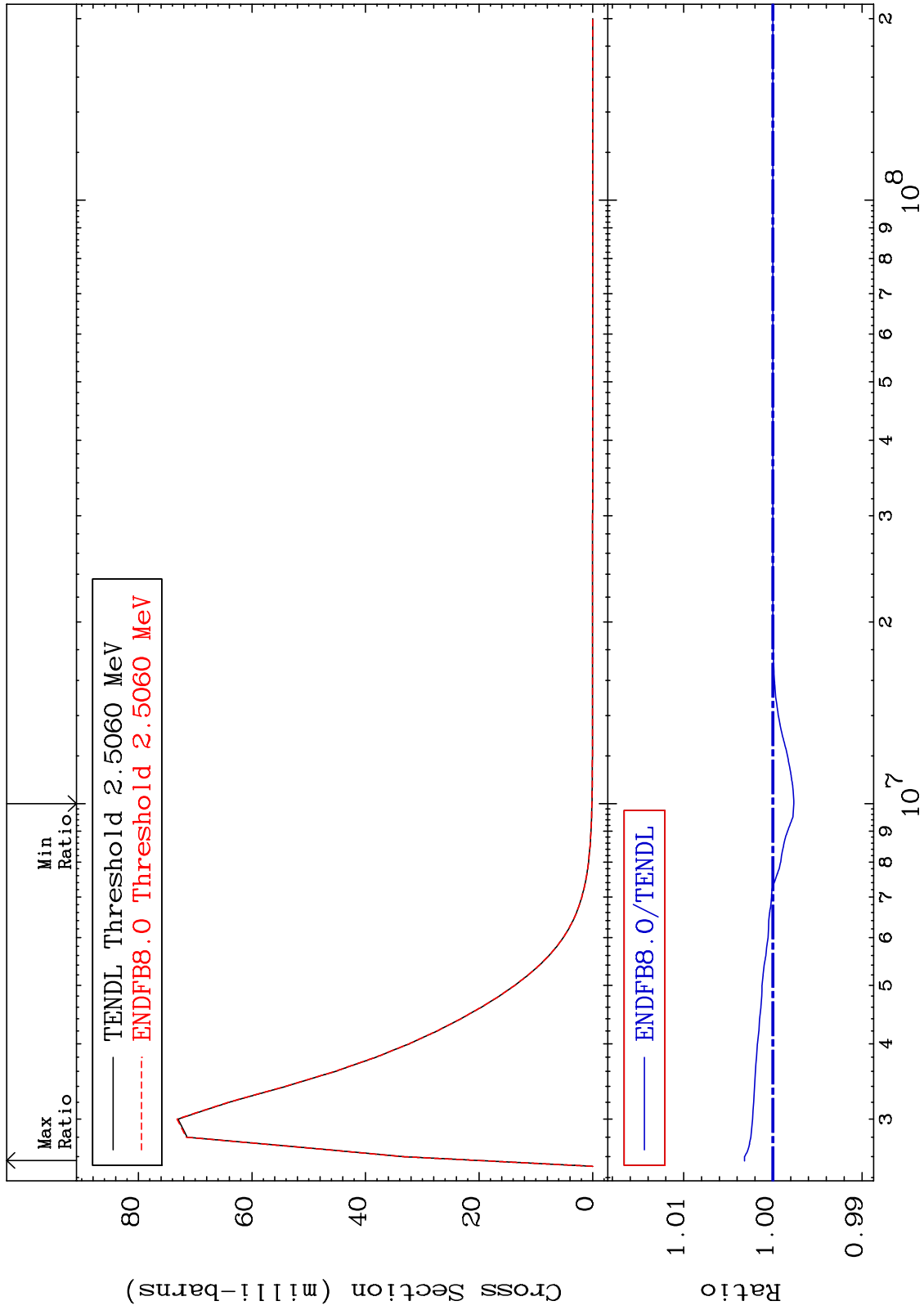




MAT 4228

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

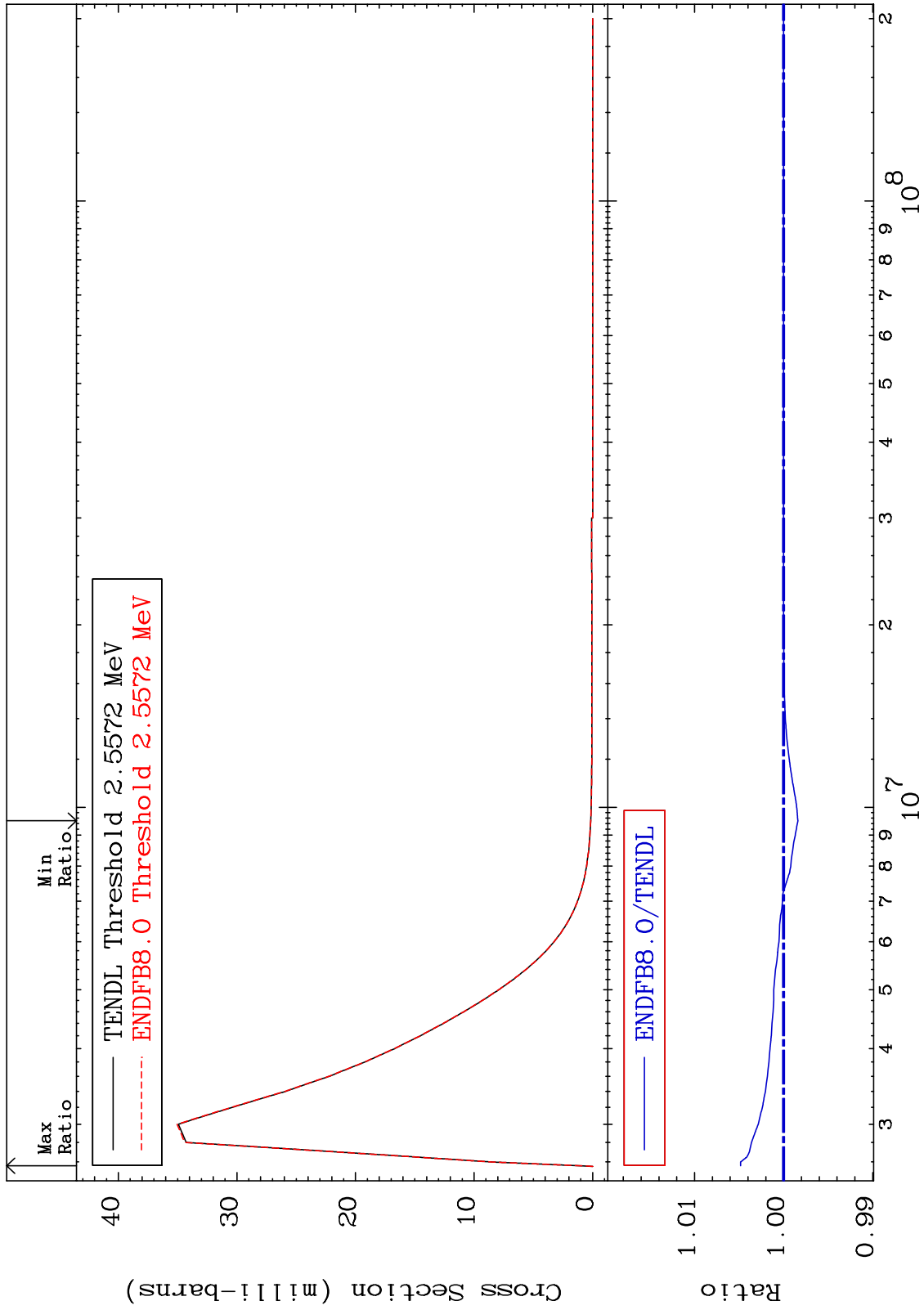
42-Mo-93  
-0.235 To 0.316 %



40

42-Mo-93

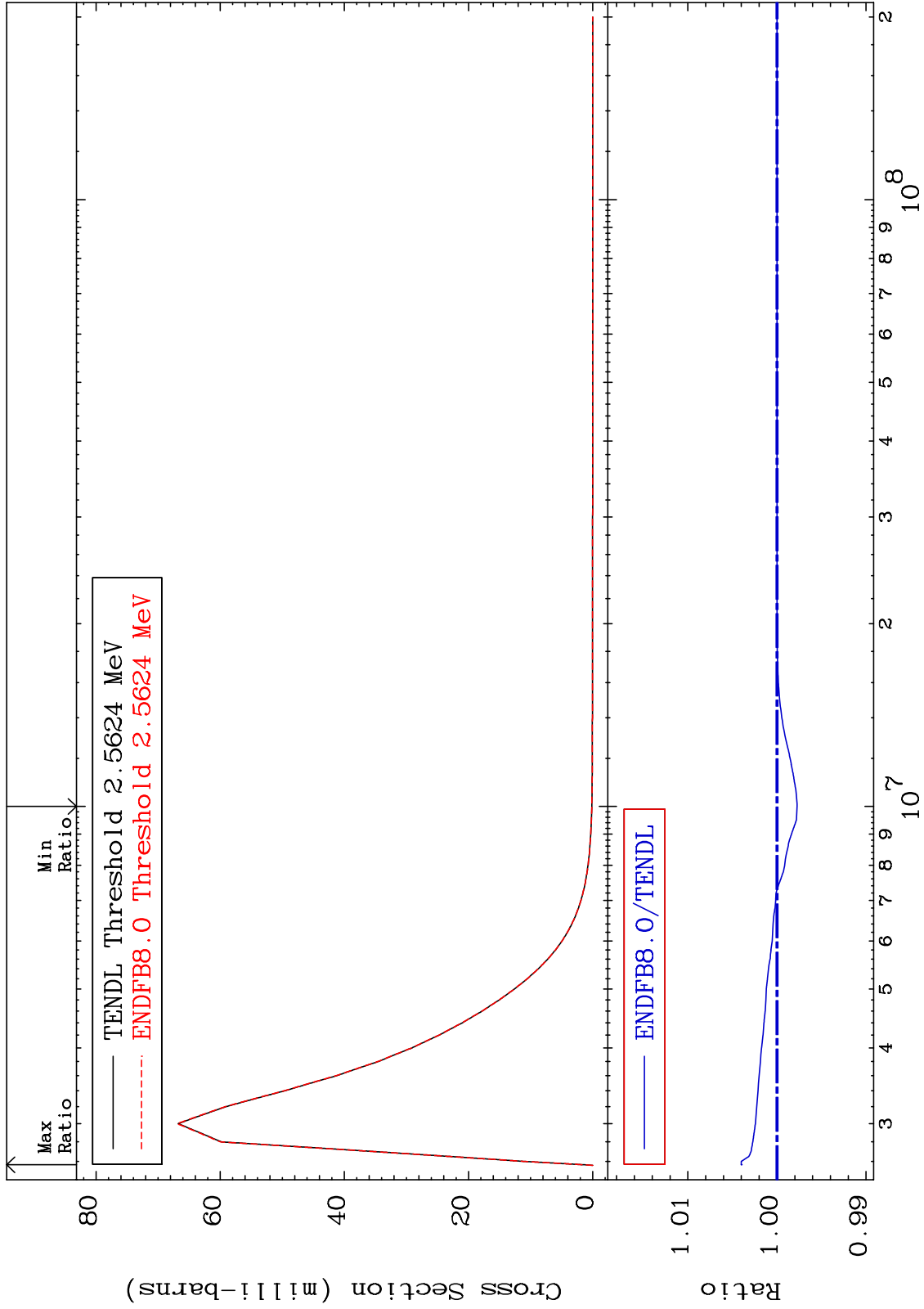
MAT 4228 MT= 74 (n,n') Level Cross Section 42-Mo-93  
 -0.160 To 0.483 %



MAT 4228

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

42-Mo-93  
-0.226 To 0.400 %



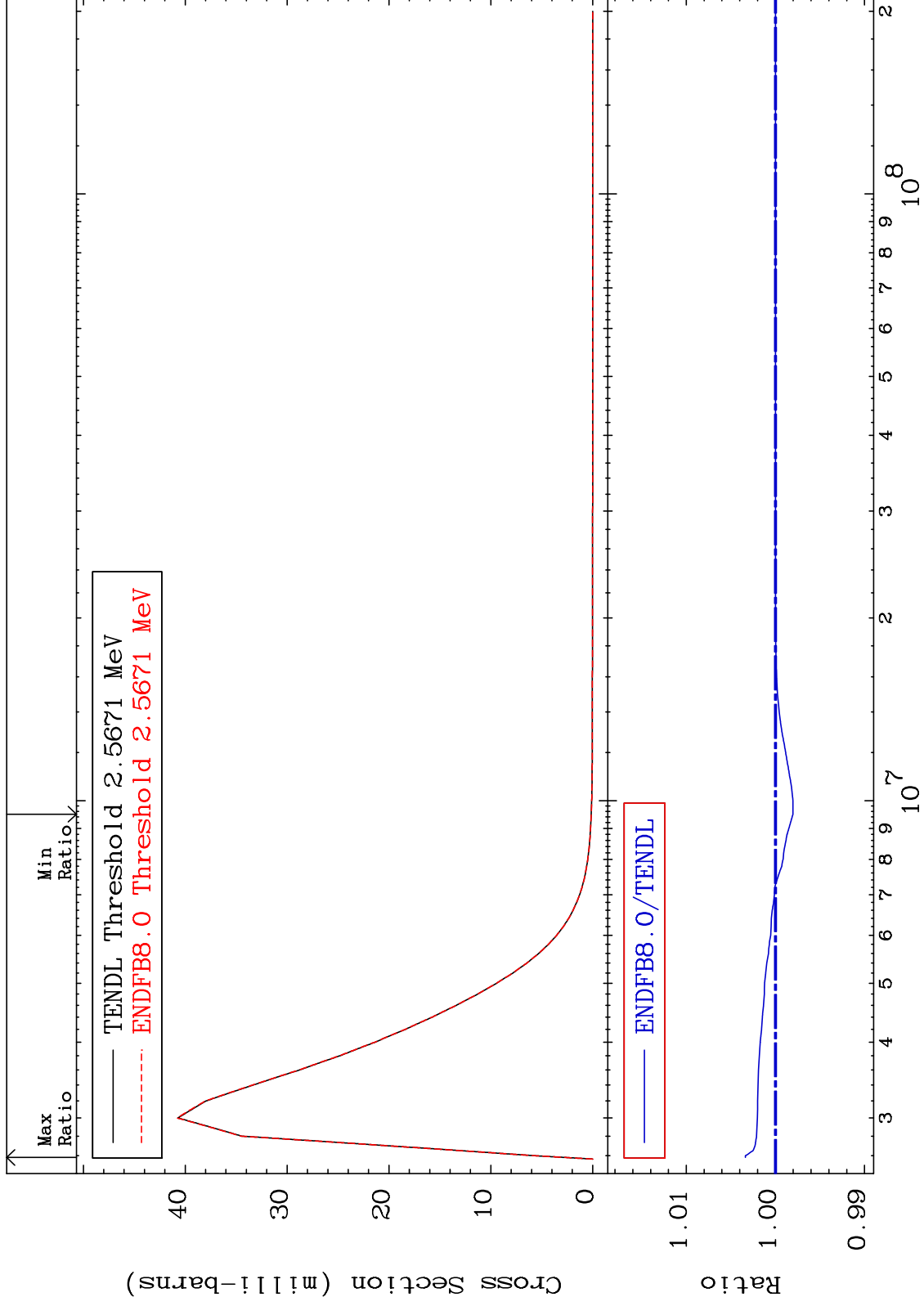
42

42-Mo-93

MAT 4228

MT= 76 (n,n') Level  
Cross Section

42-Mo-93  
-0.197 To 0.336 %



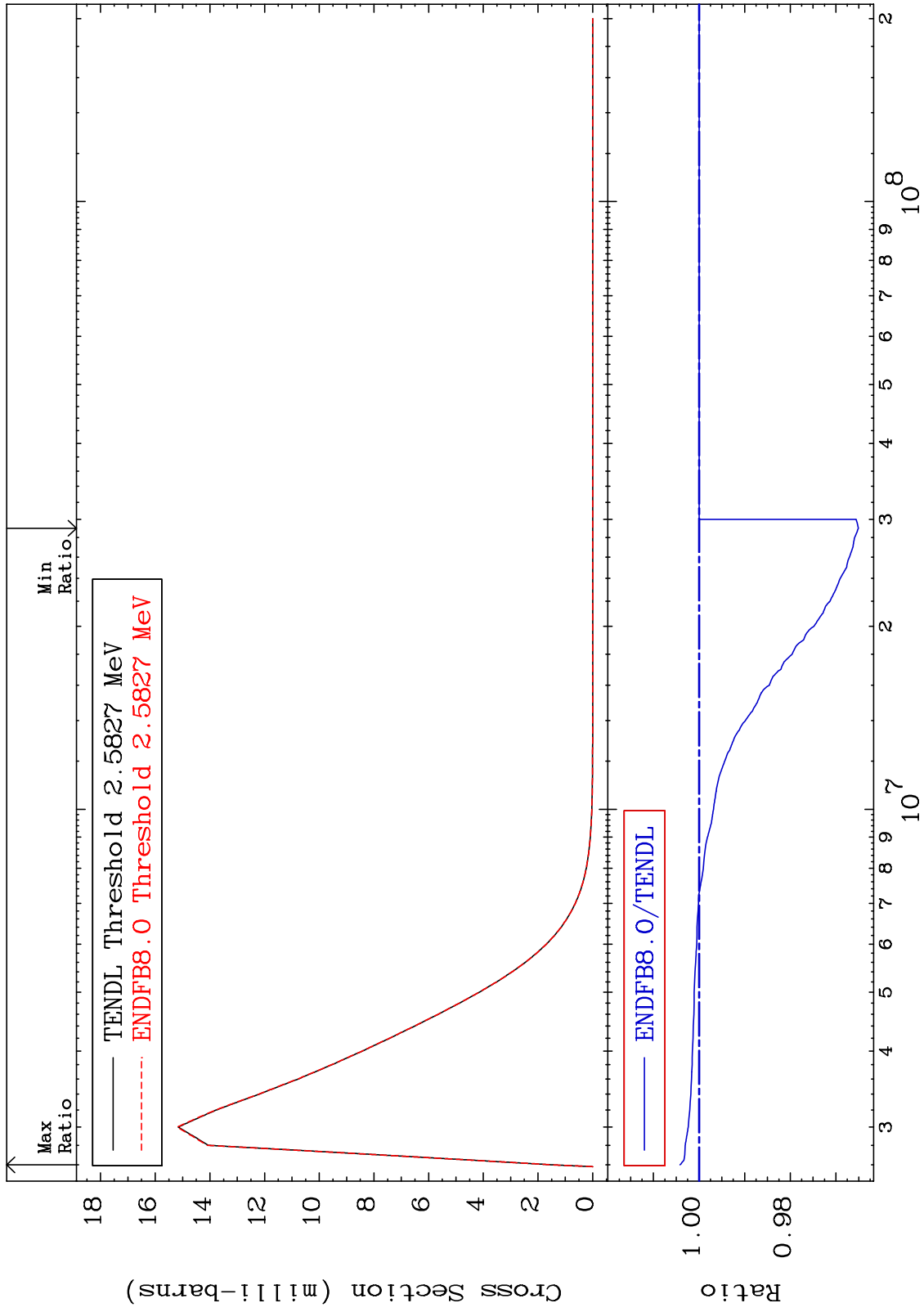
43

42-Mo-93

MAT 4228

MT= 77 (n,n') Level  
Cross Section

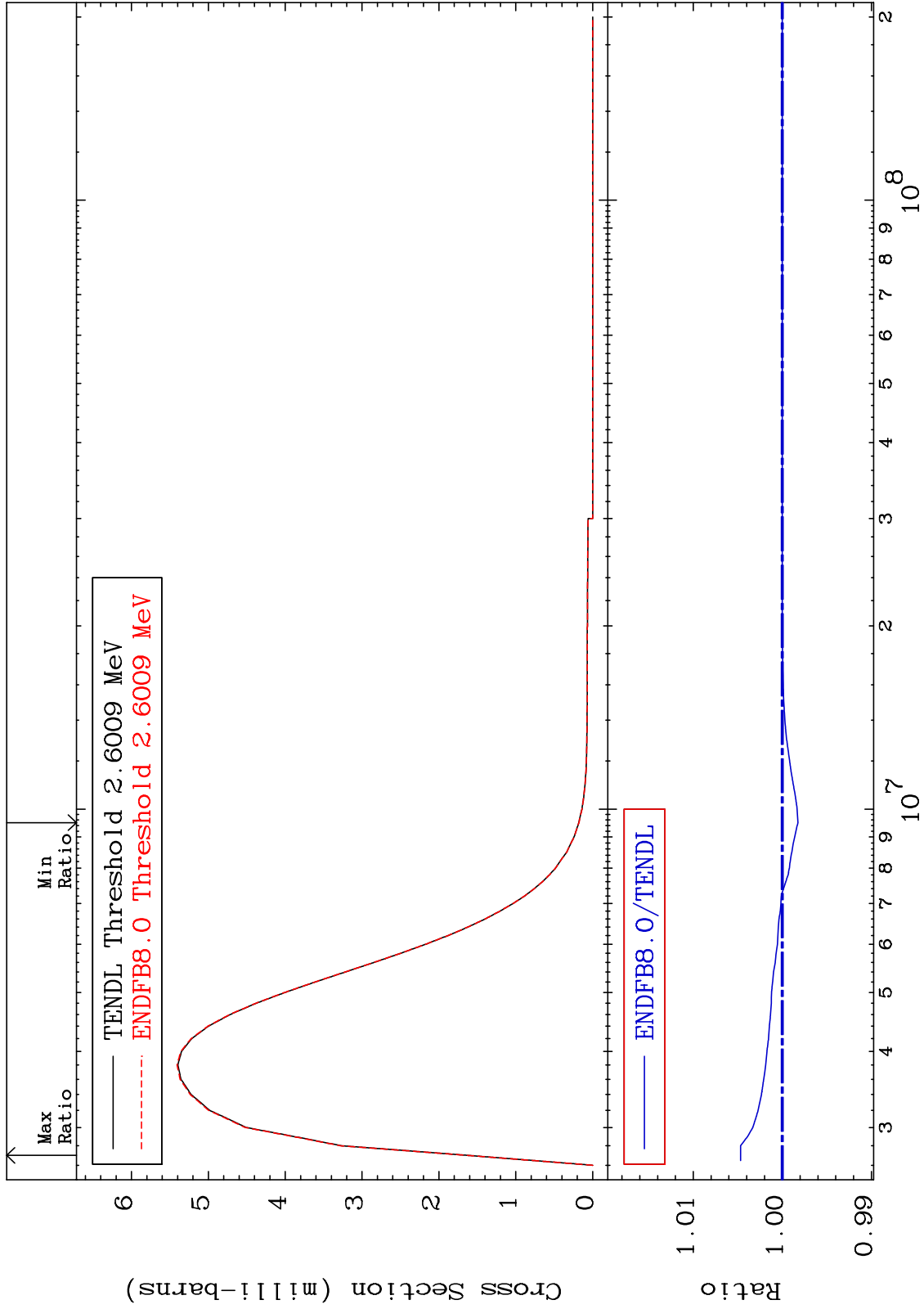
42-Mo-93  
-3.494 To 0.417 %



MAT 4228

MT= 78 (n,n') Level  
Cross Section

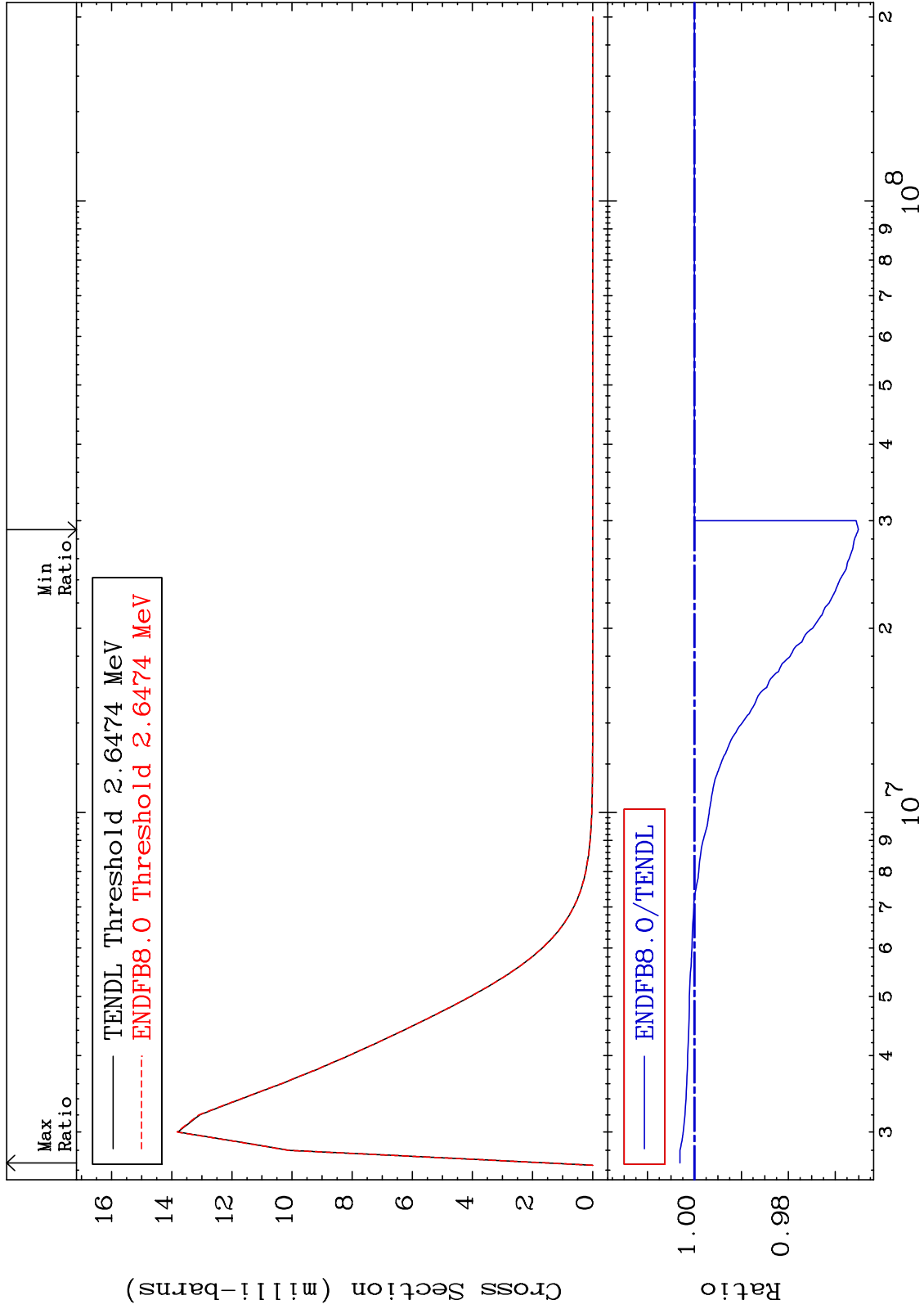
42-Mo-93  
-0.175 To 0.469 %



MAT 4228

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

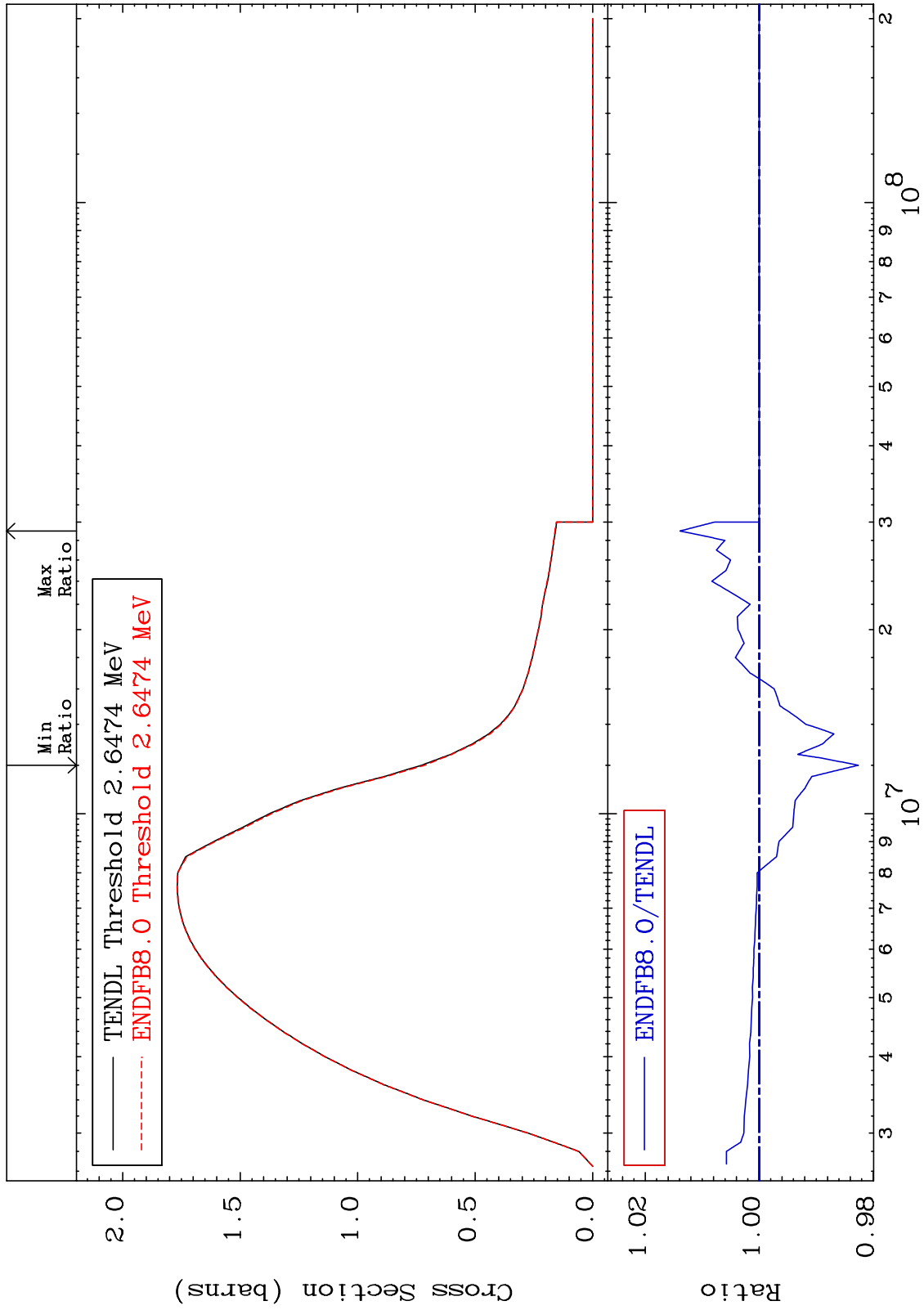
42-Mo-93  
-3.494 To 0.307 %



MAT 4228

(n, n') Continuum  
Cross Section

42-Mo-93  
-1.742 To 1.390 %



47

Incident Energy (eV)

42-Mo-93

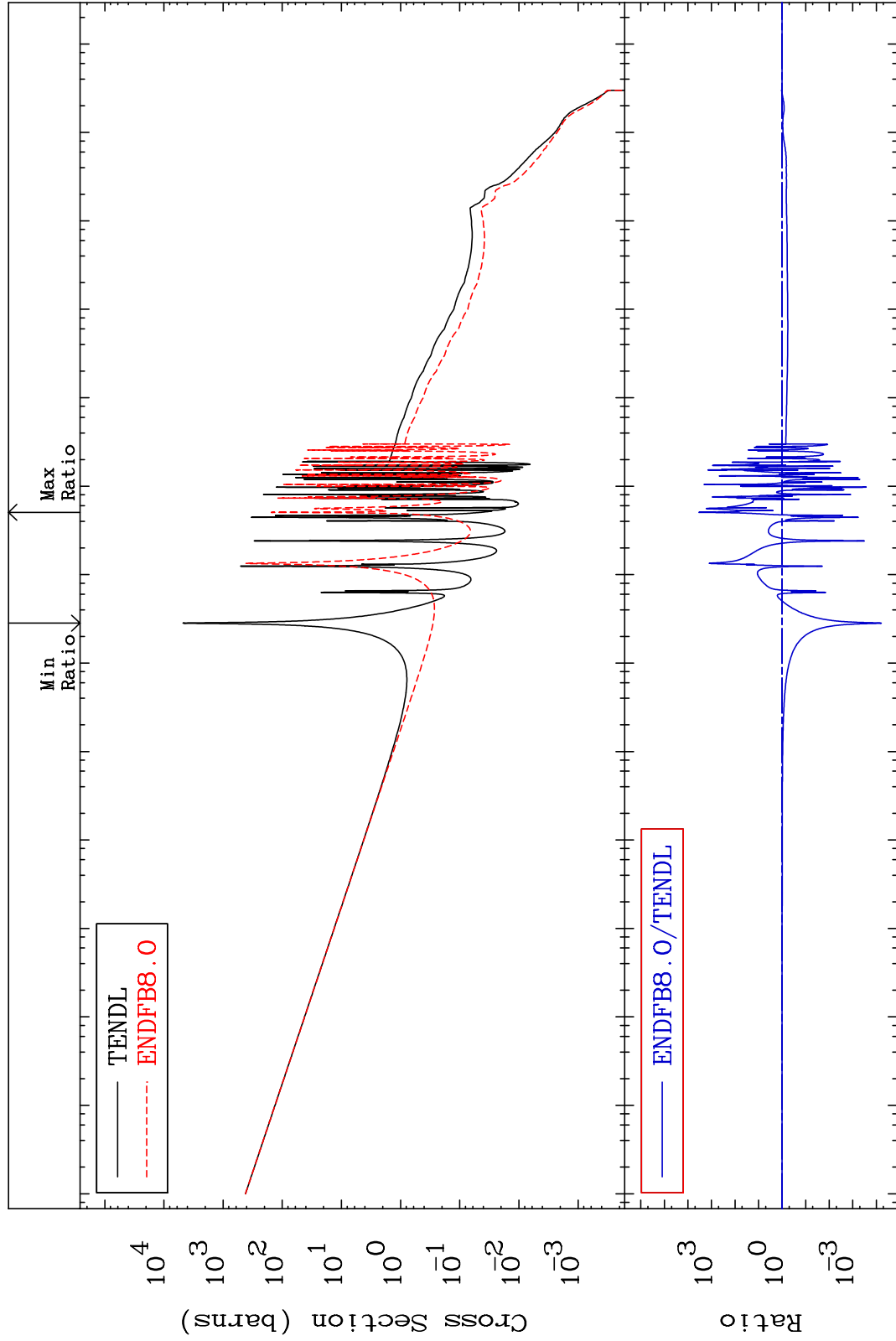


MAT 4228

42-Mo-93

-99.99 To 9999. %

(n,  $\gamma$ )  
Cross Section



48

Incident Energy (eV)

42-Mo-93

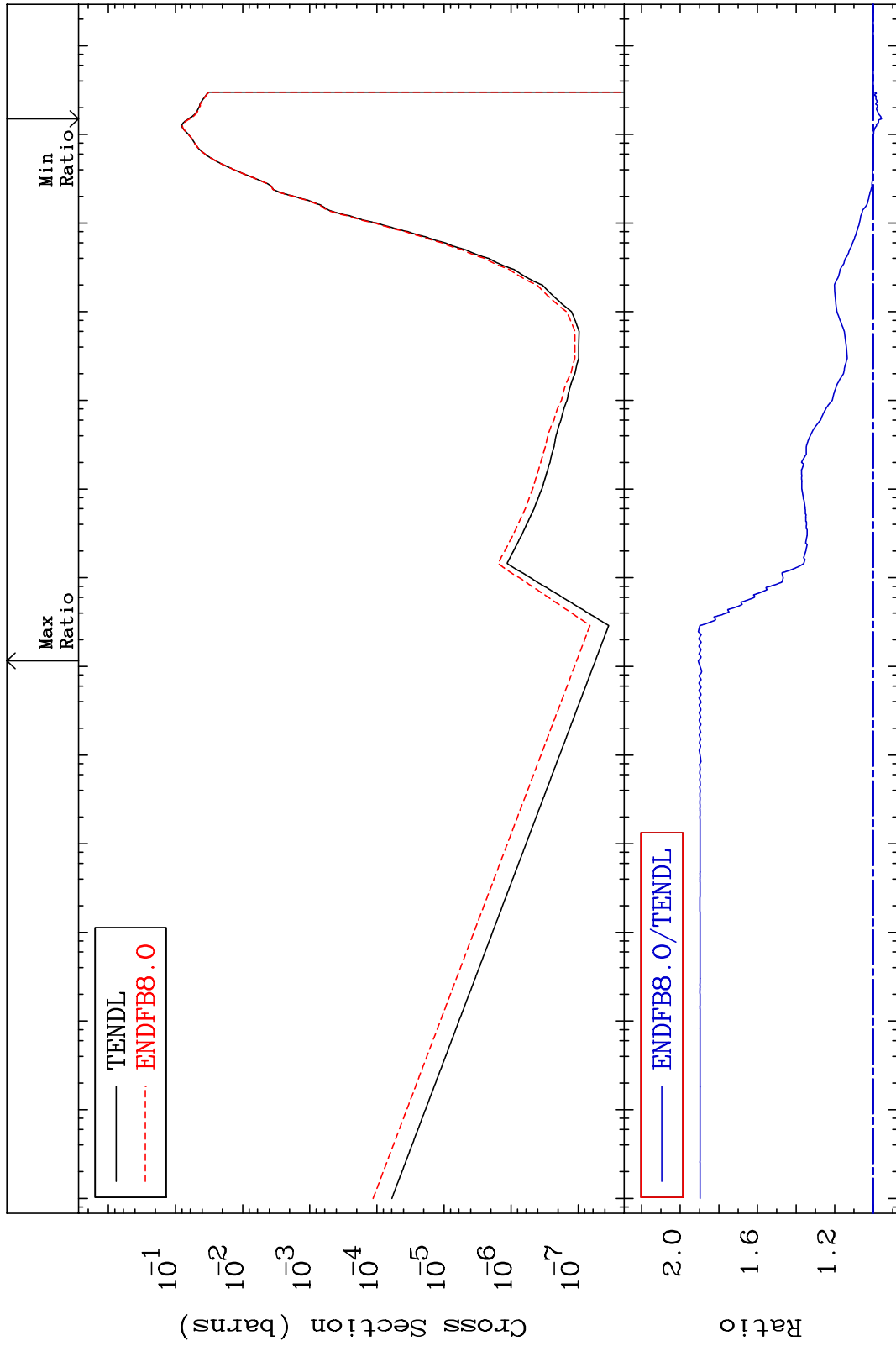
MAT 4228

(n,p)

42-Mo-93

Cross Section

-4.271 To 90.61 %



Incident Energy (eV)

42-Mo-93

49

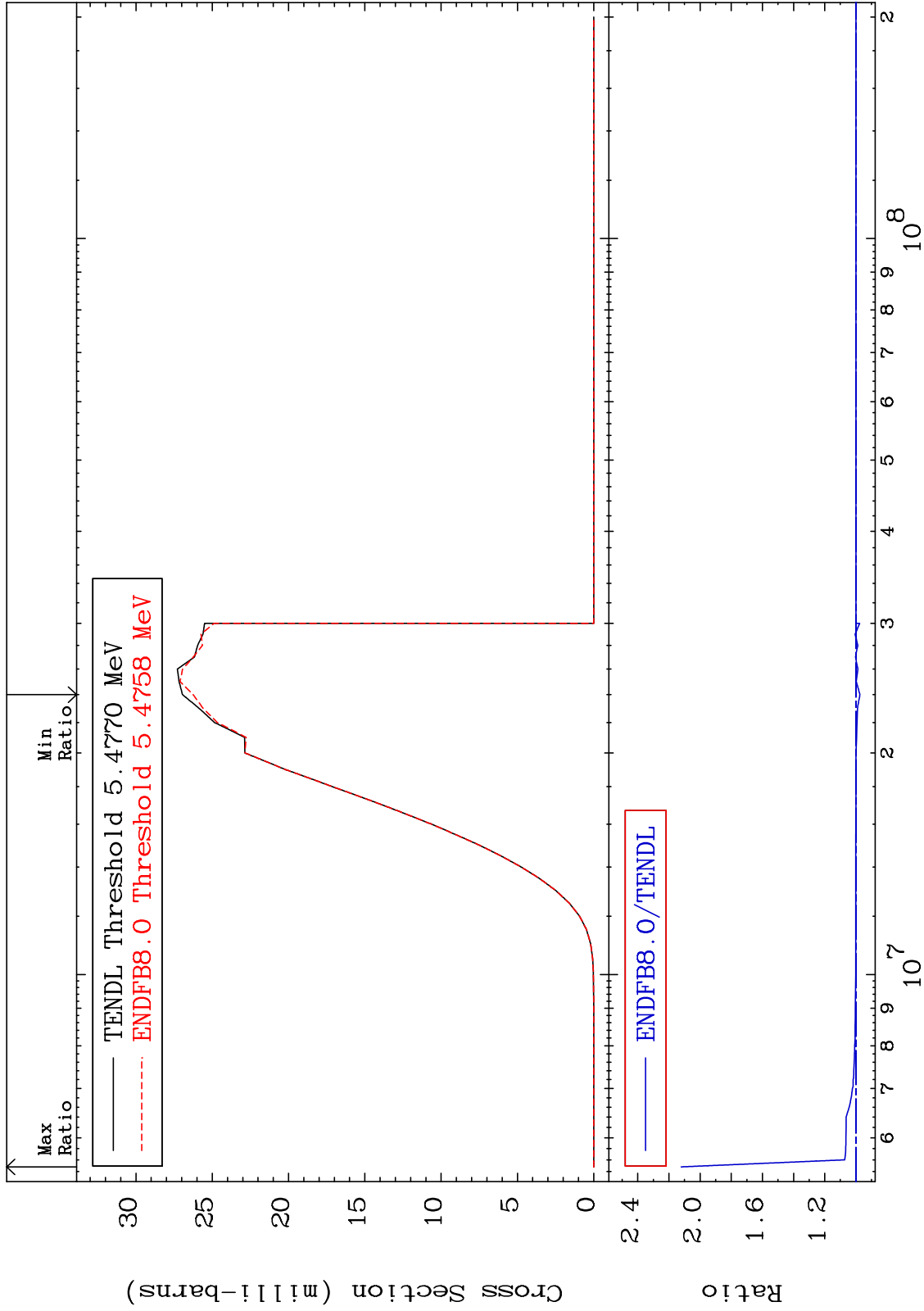
MAT 4228

(n, d)

42-Mo-93

Cross Section

-2.587 To 112.1 %



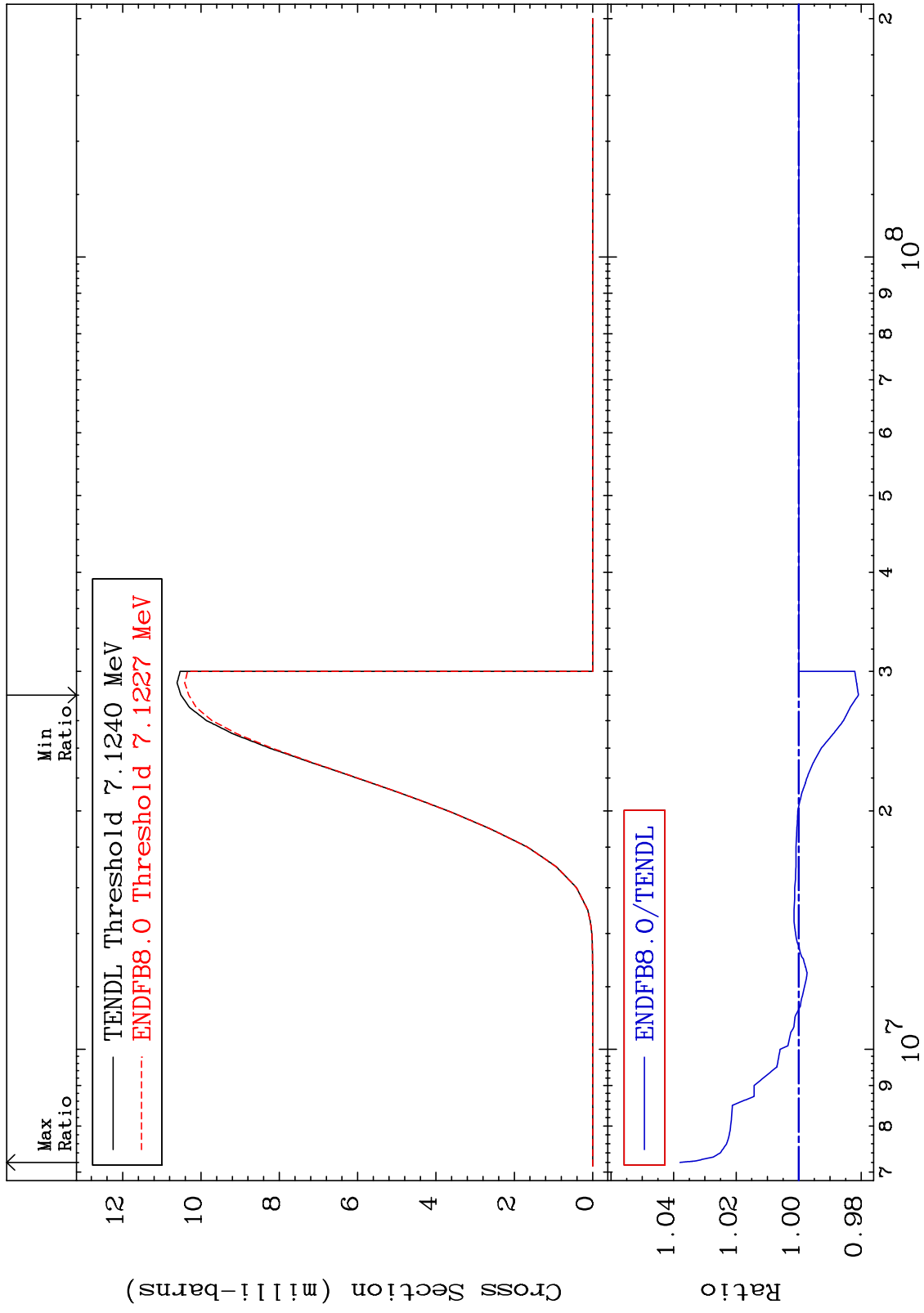
MAT 4228

(n, t)

42-Mo-93

Cross Section

-1.908 To 3.794 %



51

Incident Energy (eV)

42-Mo-93

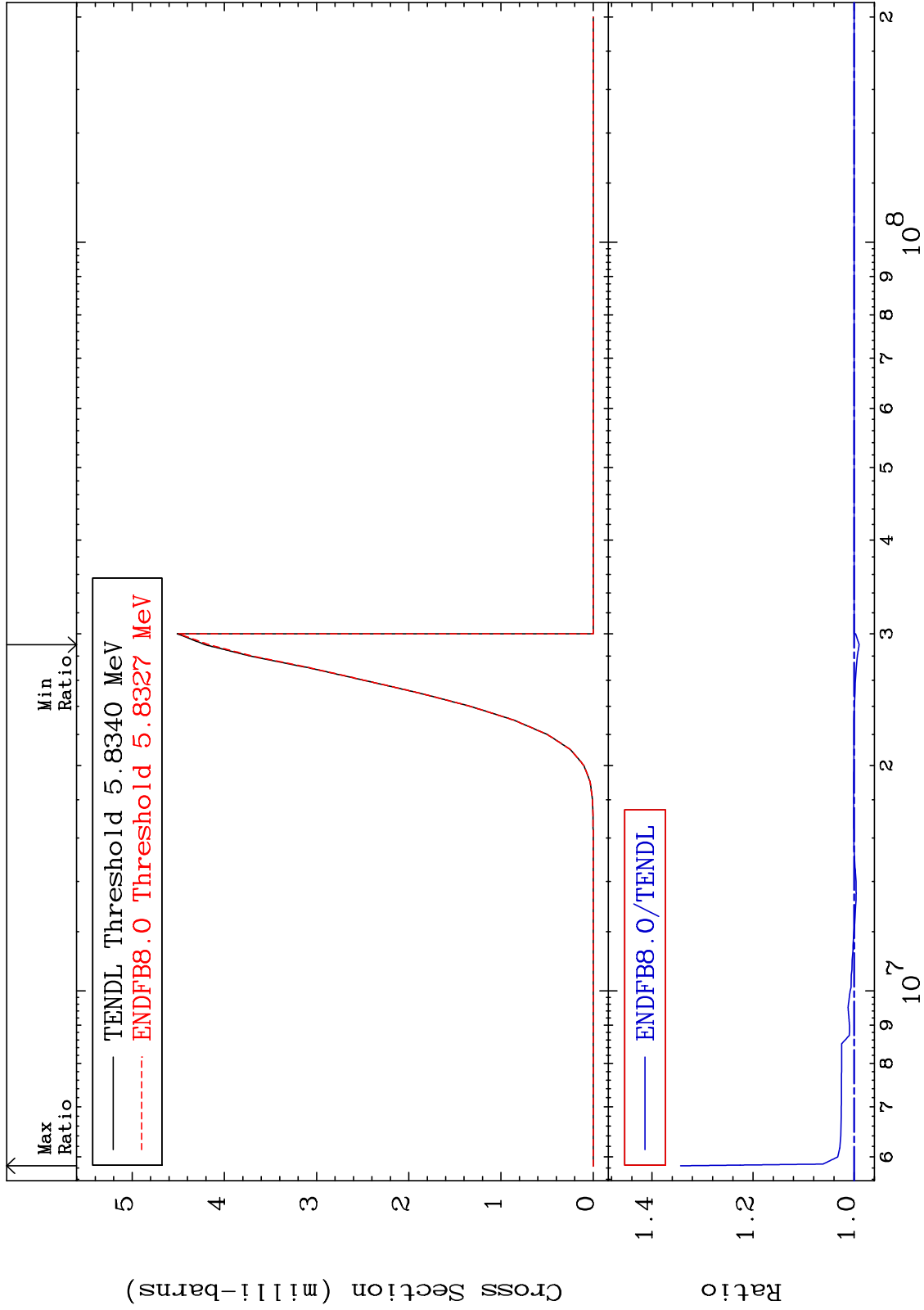
MAT 4228

(n, He-3)

42-Mo-93

Cross Section

-0.998 To 34.33 %



52

Incident Energy (eV)

42-Mo-93

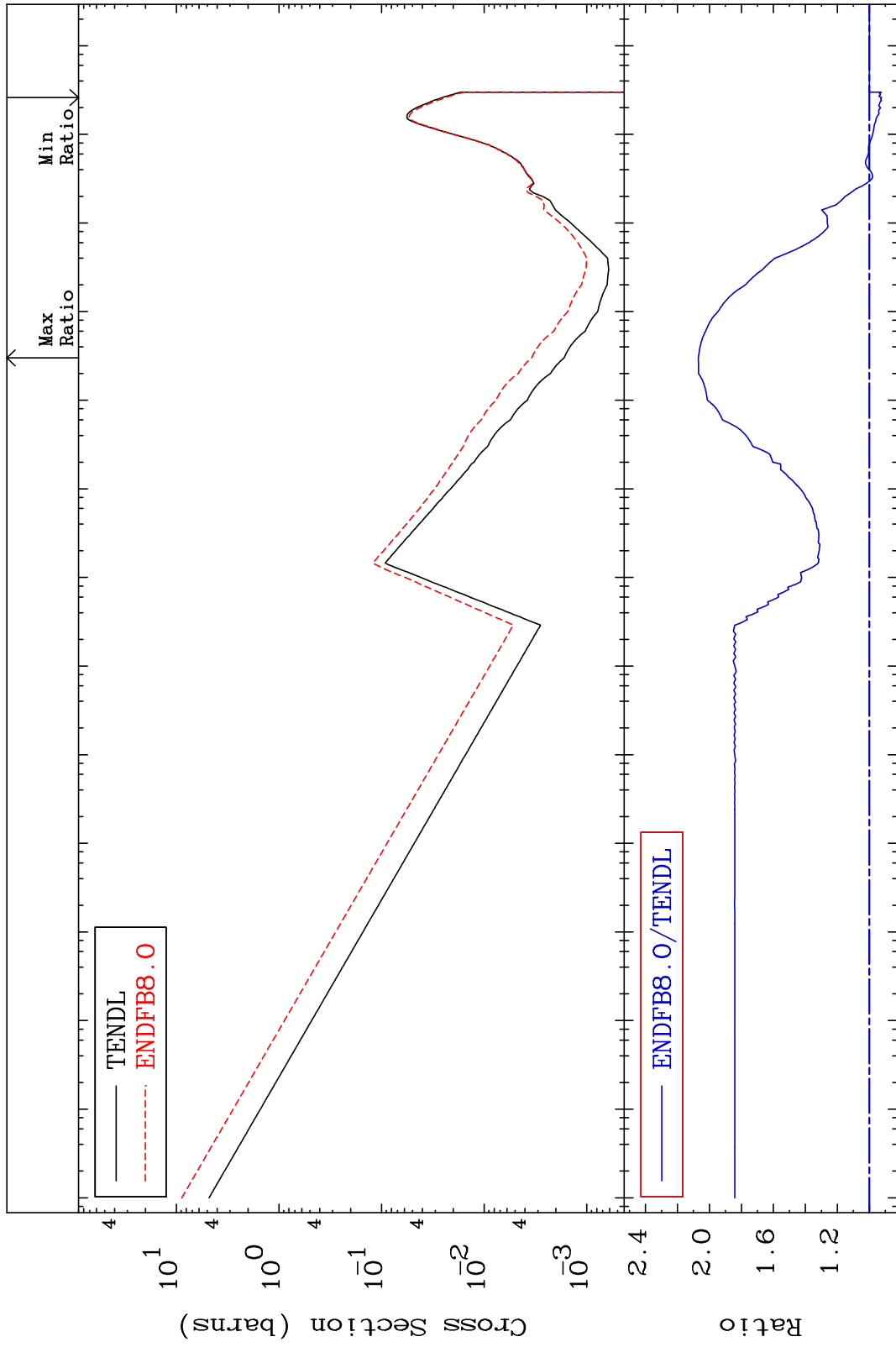
MAT 4228

(n,  $\alpha$ )

42-Mo-93

Cross Section

-7.612 To 106.9 %



Incident Energy (eV)

53

42-Mo-93

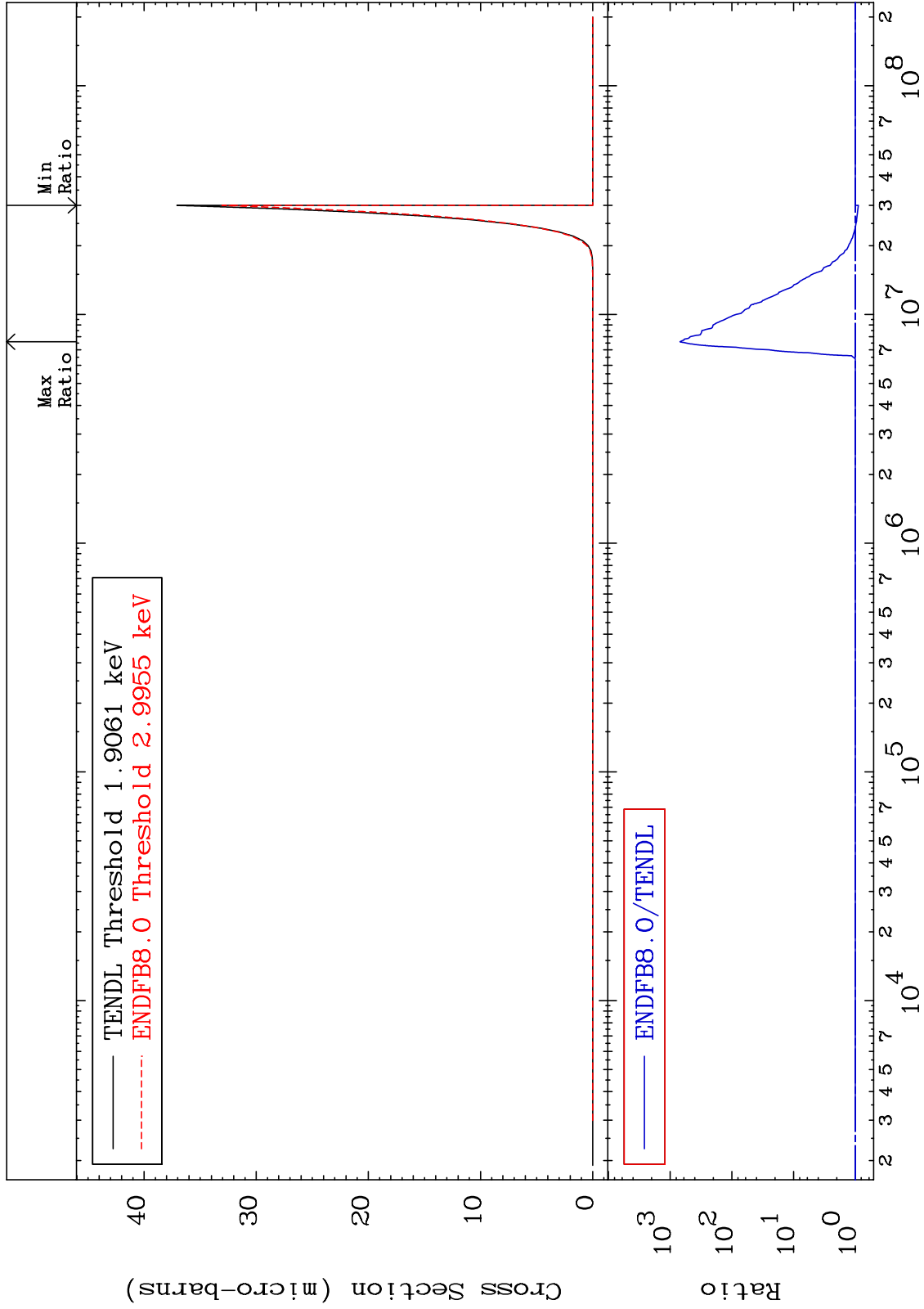
MAT 4228

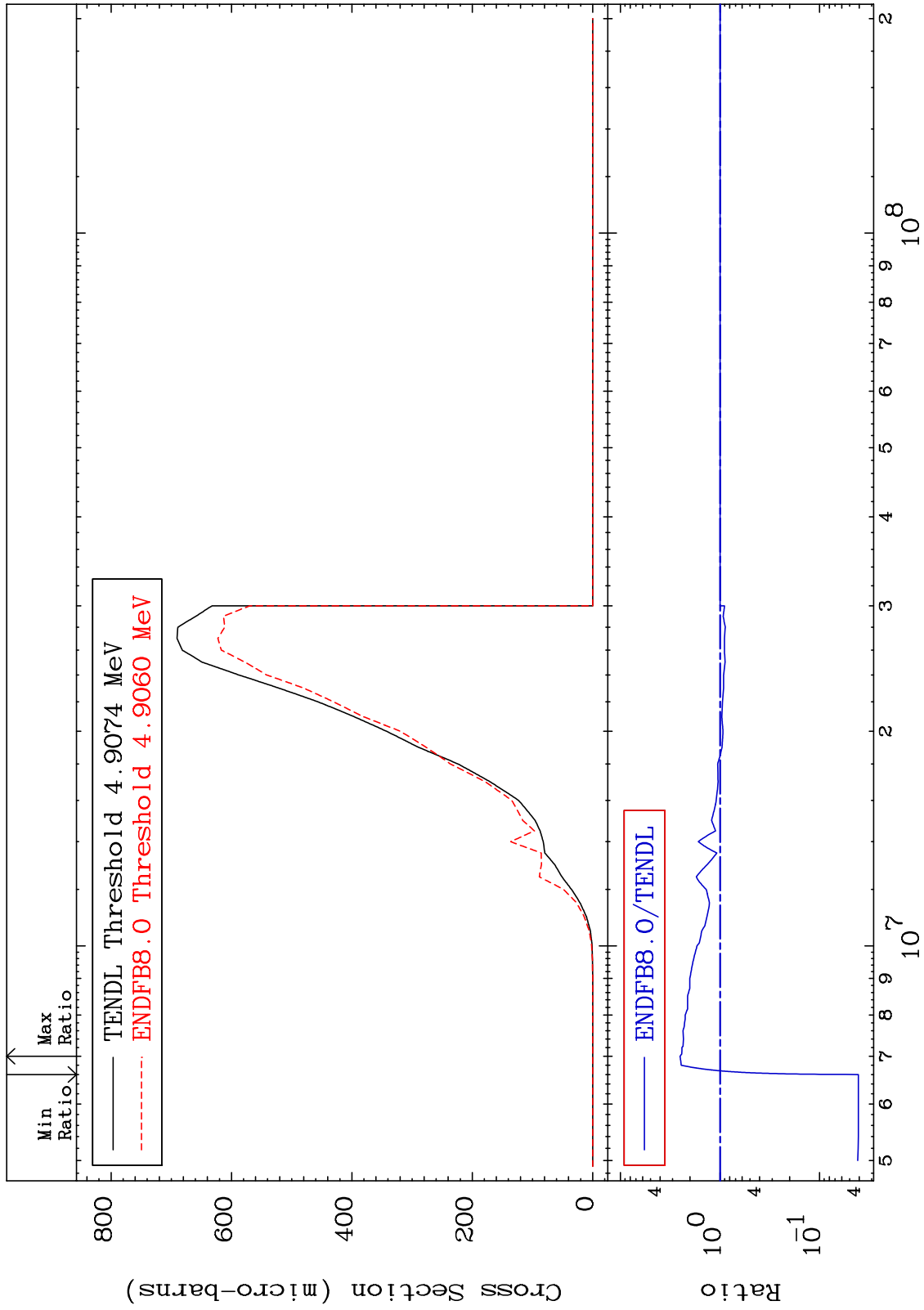
(n, 2α)

42-Mo-93

Cross Section

-10.88 To 9999. %







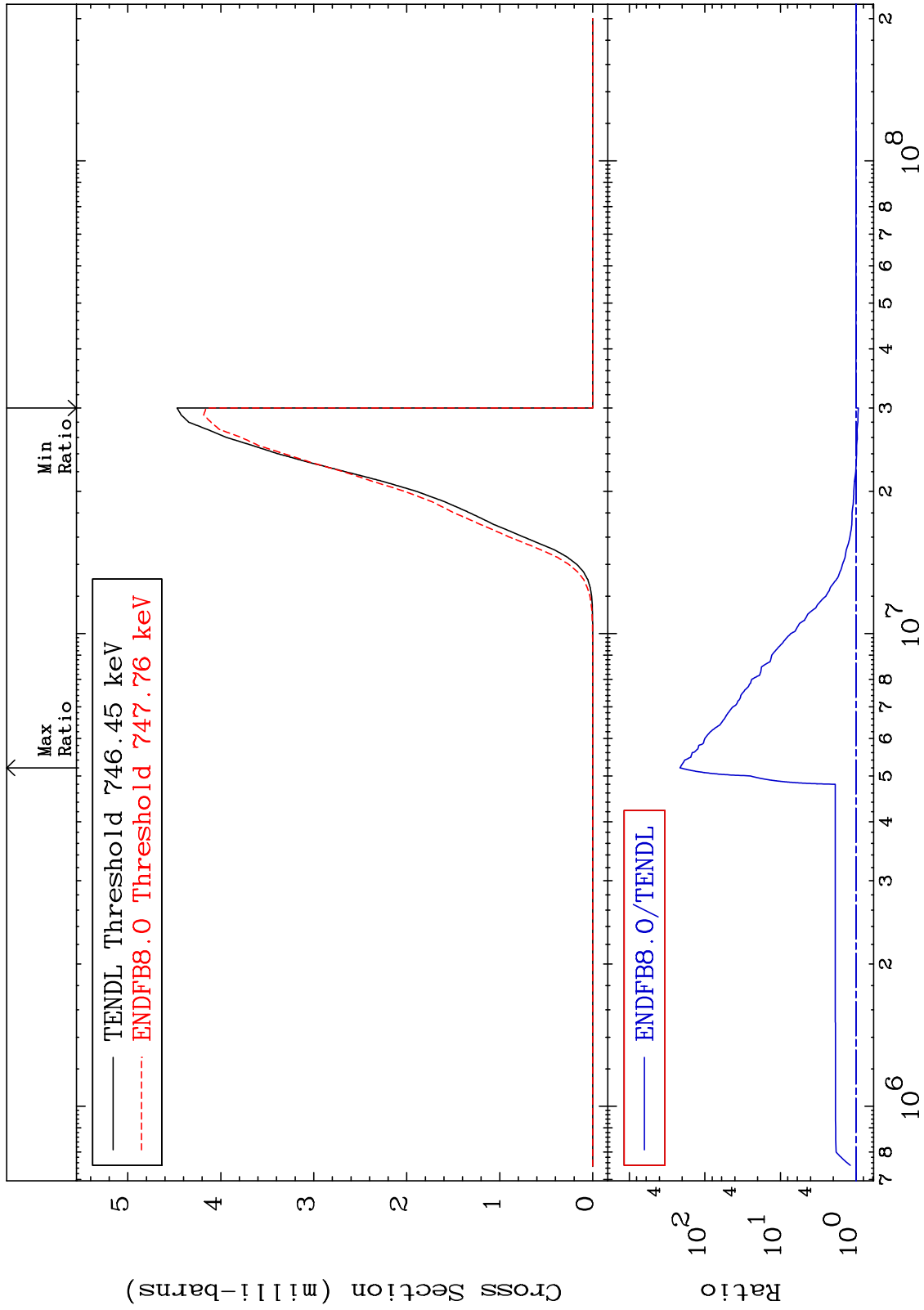
MAT 4228

(n,p)  $\alpha$

42-Mo-93

Cross Section

-7.004 To 9999. %



56

Incident Energy (eV)

42-Mo-93

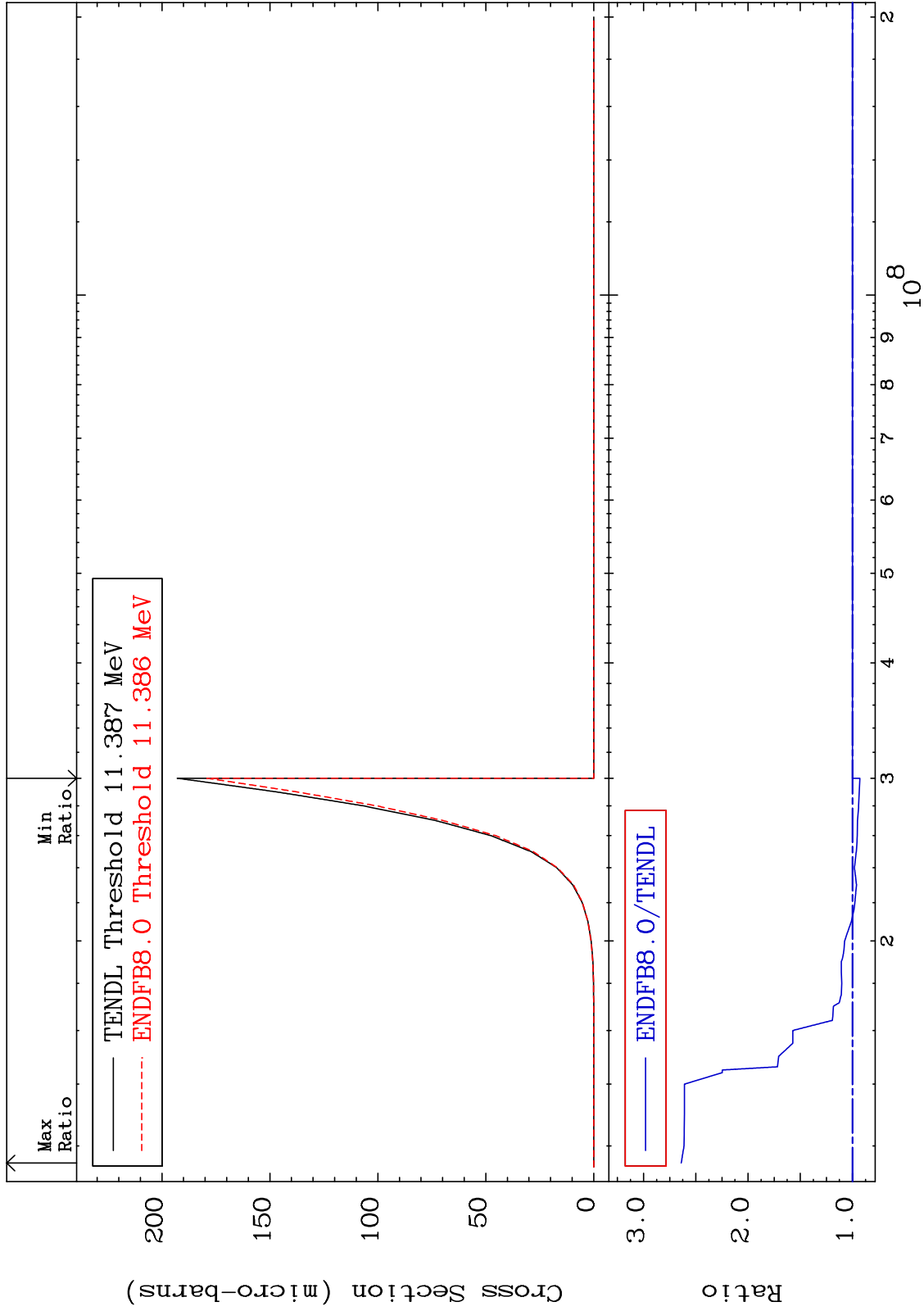
MAT 4228

(n,p) d

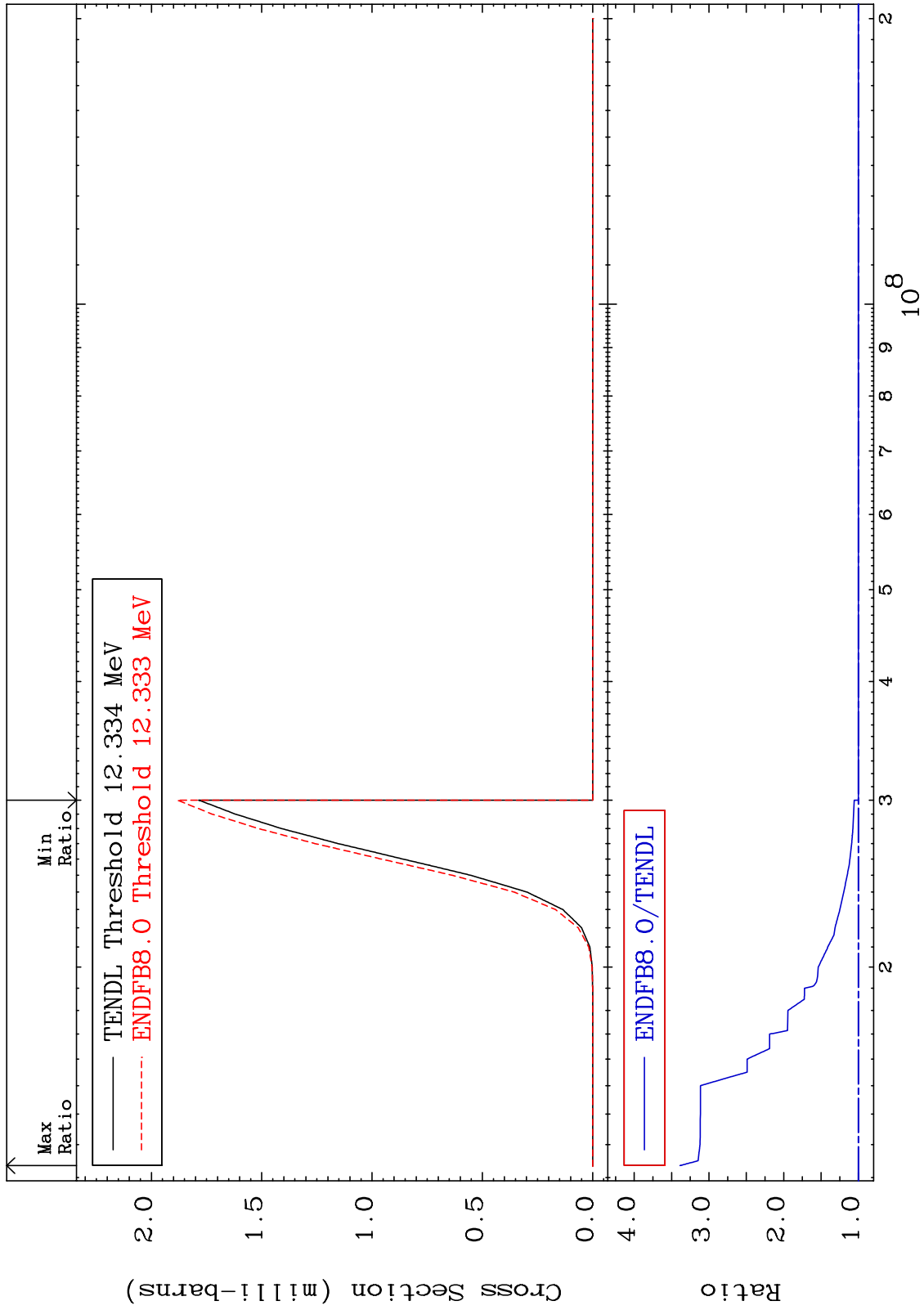
42-Mo-93

Cross Section

-7.110 To 164.0 %



MAT 4228 (n,p) t 42-Mo-93  
 Cross Section 0.000 To 238.7 %



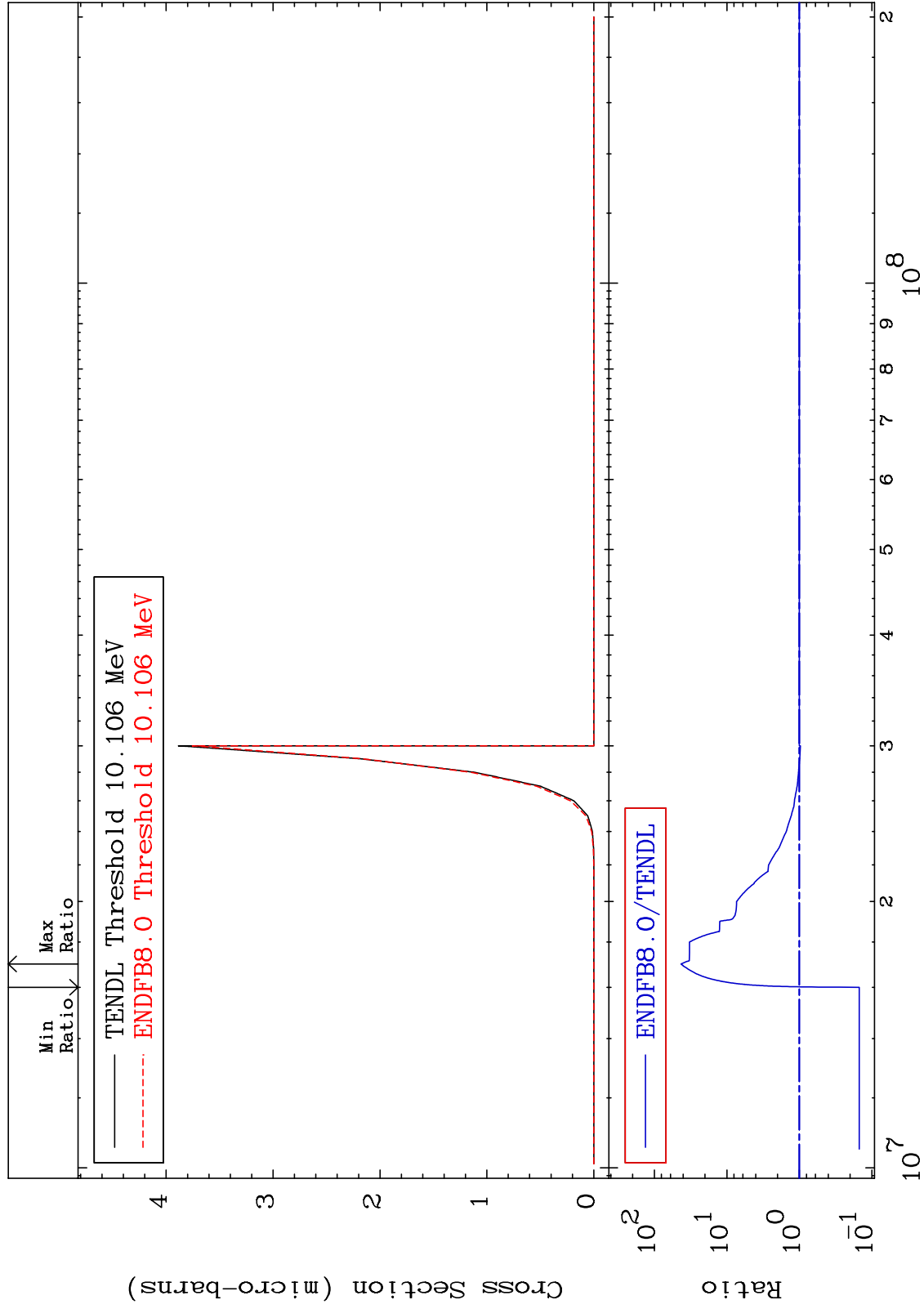
MAT 4228

(n,d)  $\alpha$

42-Mo-93

Cross Section

-85.08 To 4187. %



59

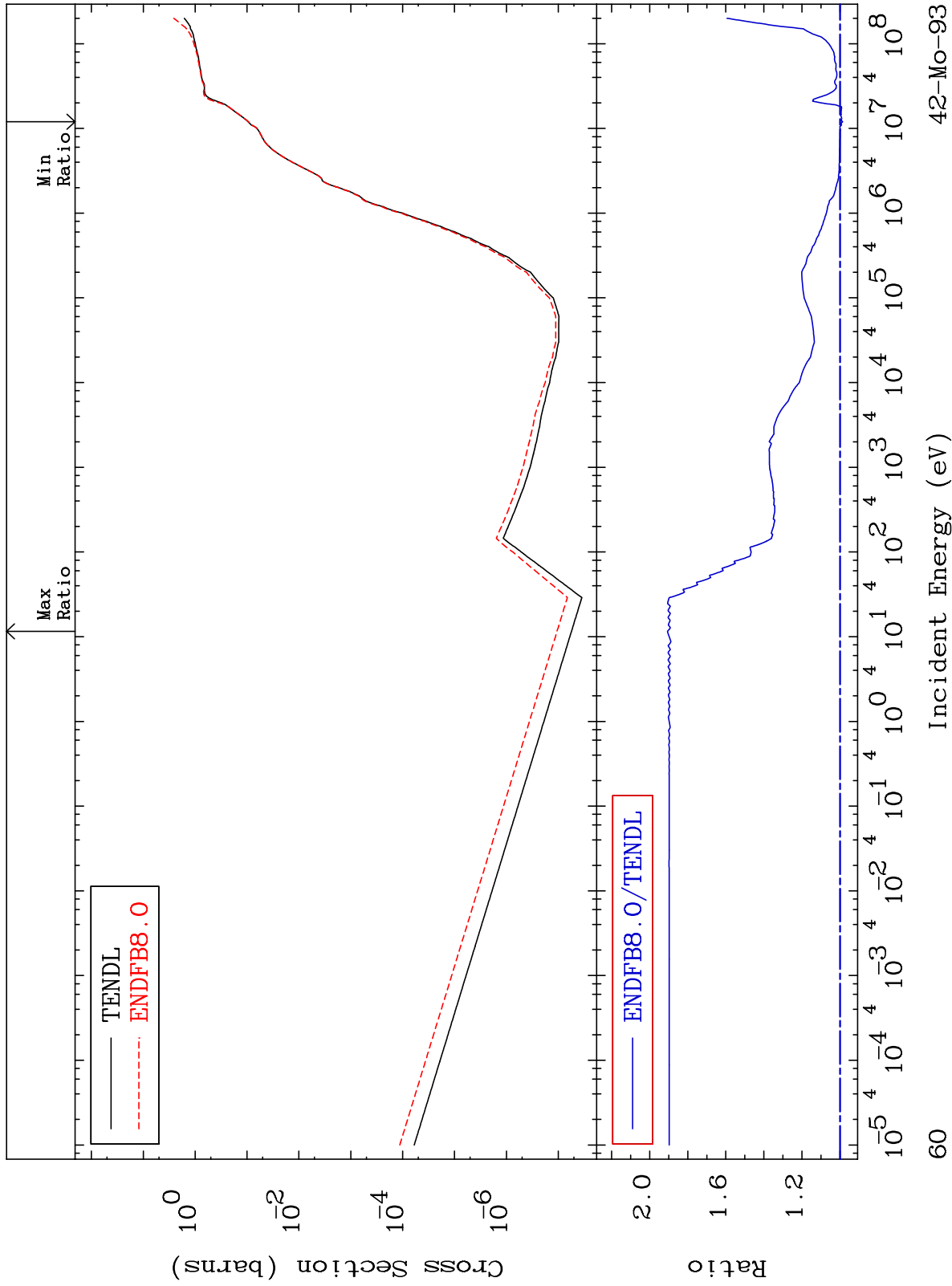
Incident Energy (eV)

42-Mo-93

MAT 4228

Hydrogen Production  
Cross Section

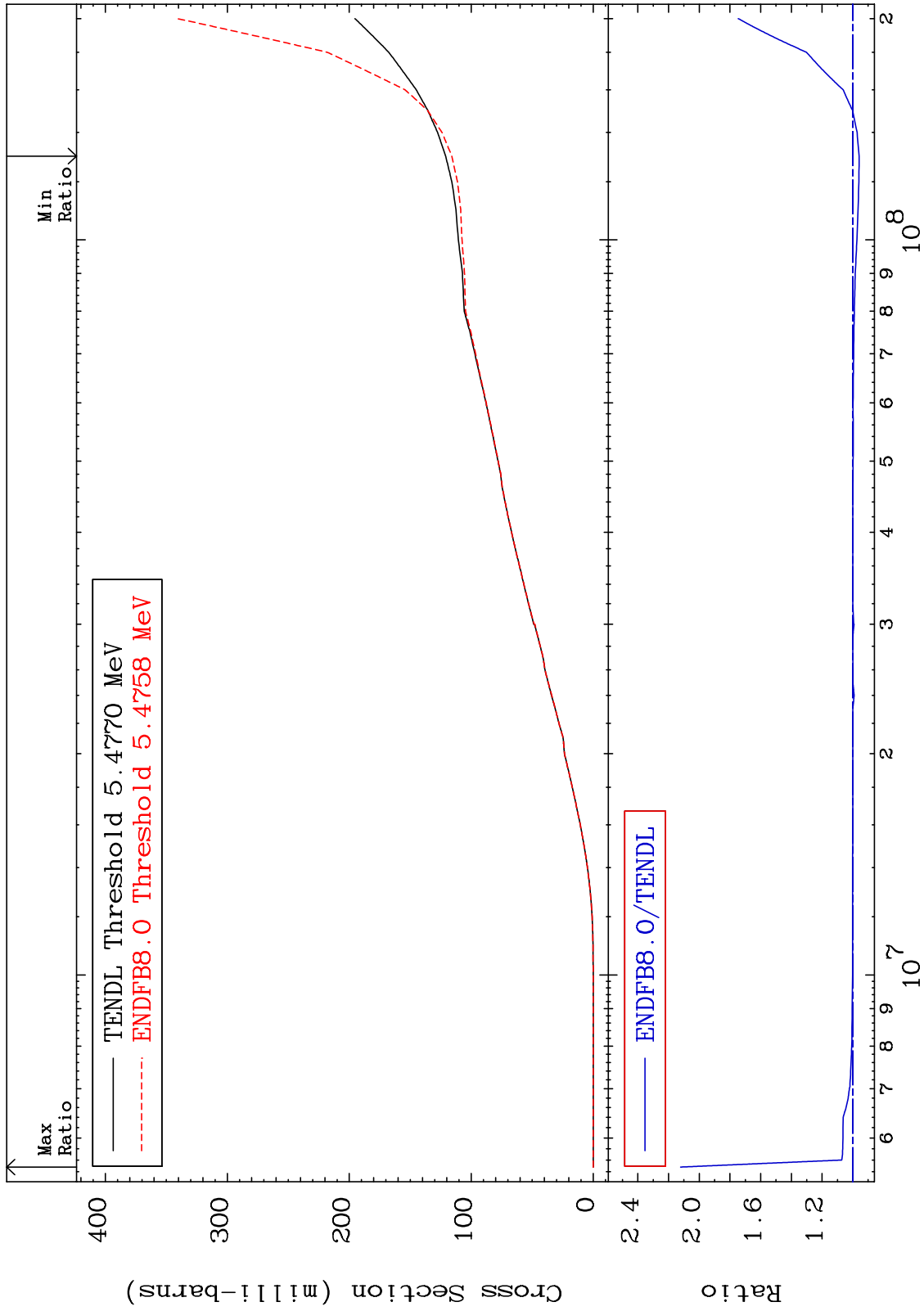
42-Mo-93  
-1.396 To 90.61 %



MAT 4228

Deuterium Production  
Cross Section

42-Mo-93  
-4.171 To 112.1 %



61

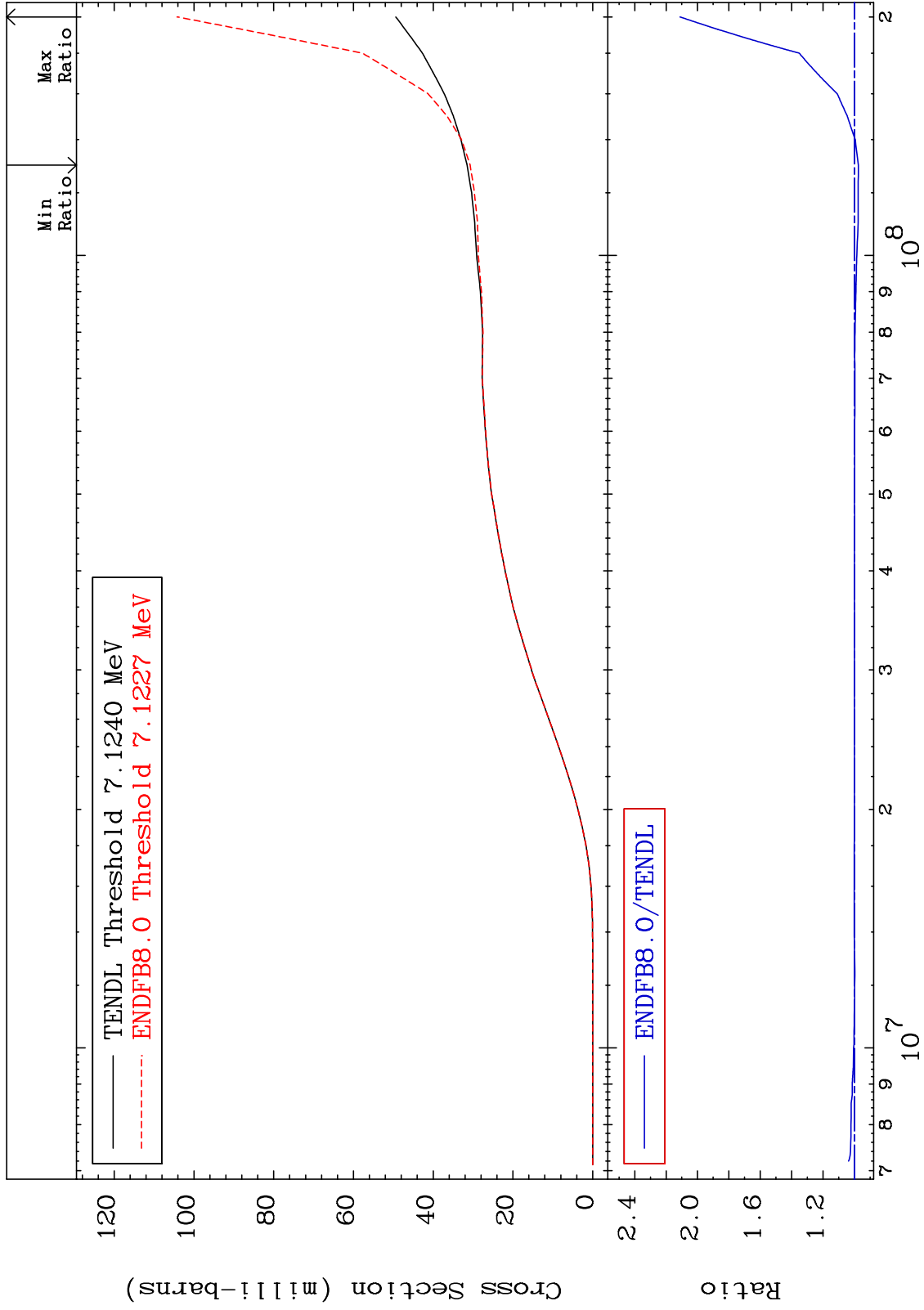
Incident Energy (eV)

42-Mo-93

MAT 4228

Tritium Production  
Cross Section

42-Mo-93  
-2.519 To 111.1 %



62

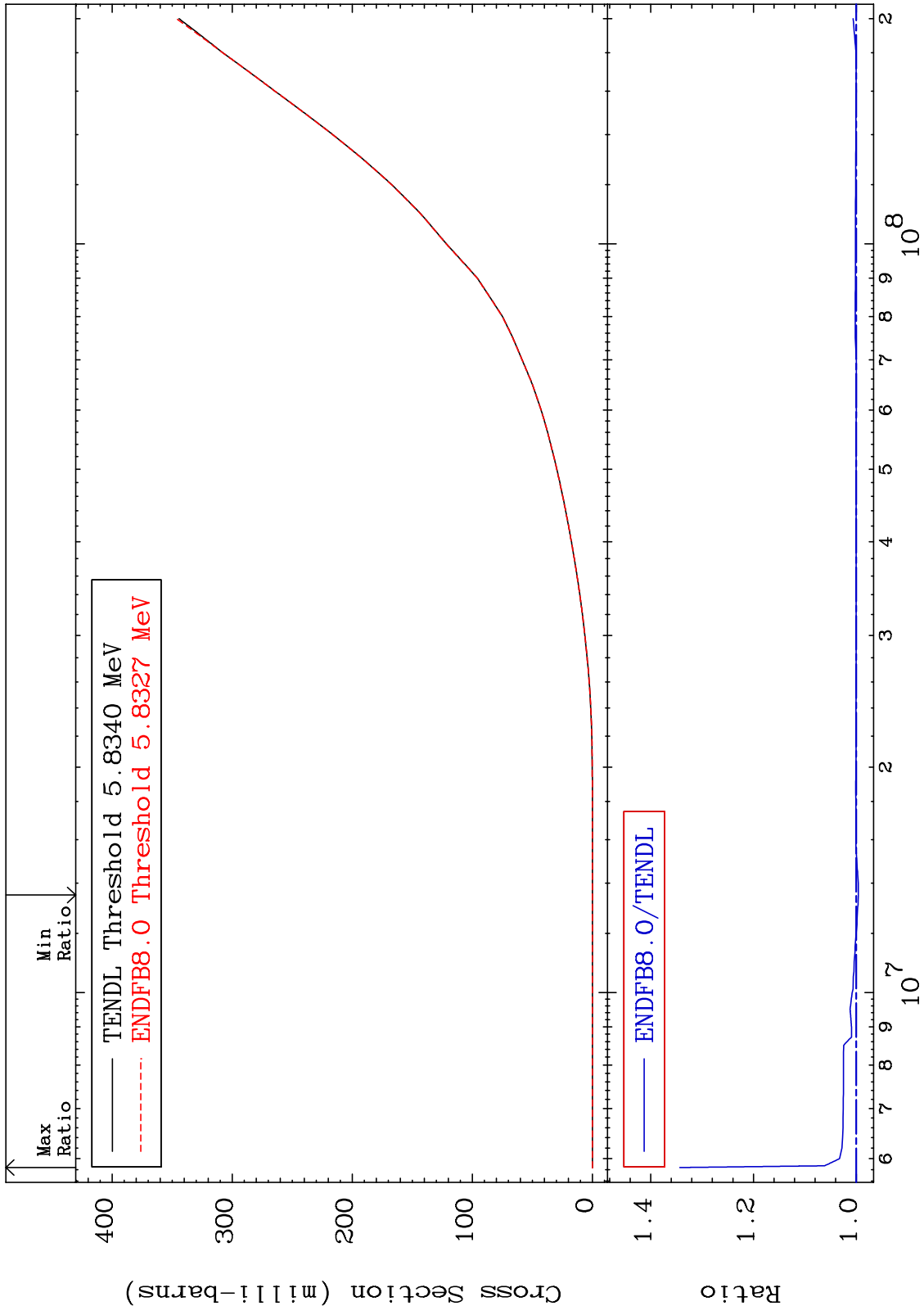
Incident Energy (eV)

42-Mo-93

MAT 4228

He-3 Production  
Cross Section

42-Mo-93  
-0.407 To 34.33 %



63

Incident Energy (eV)

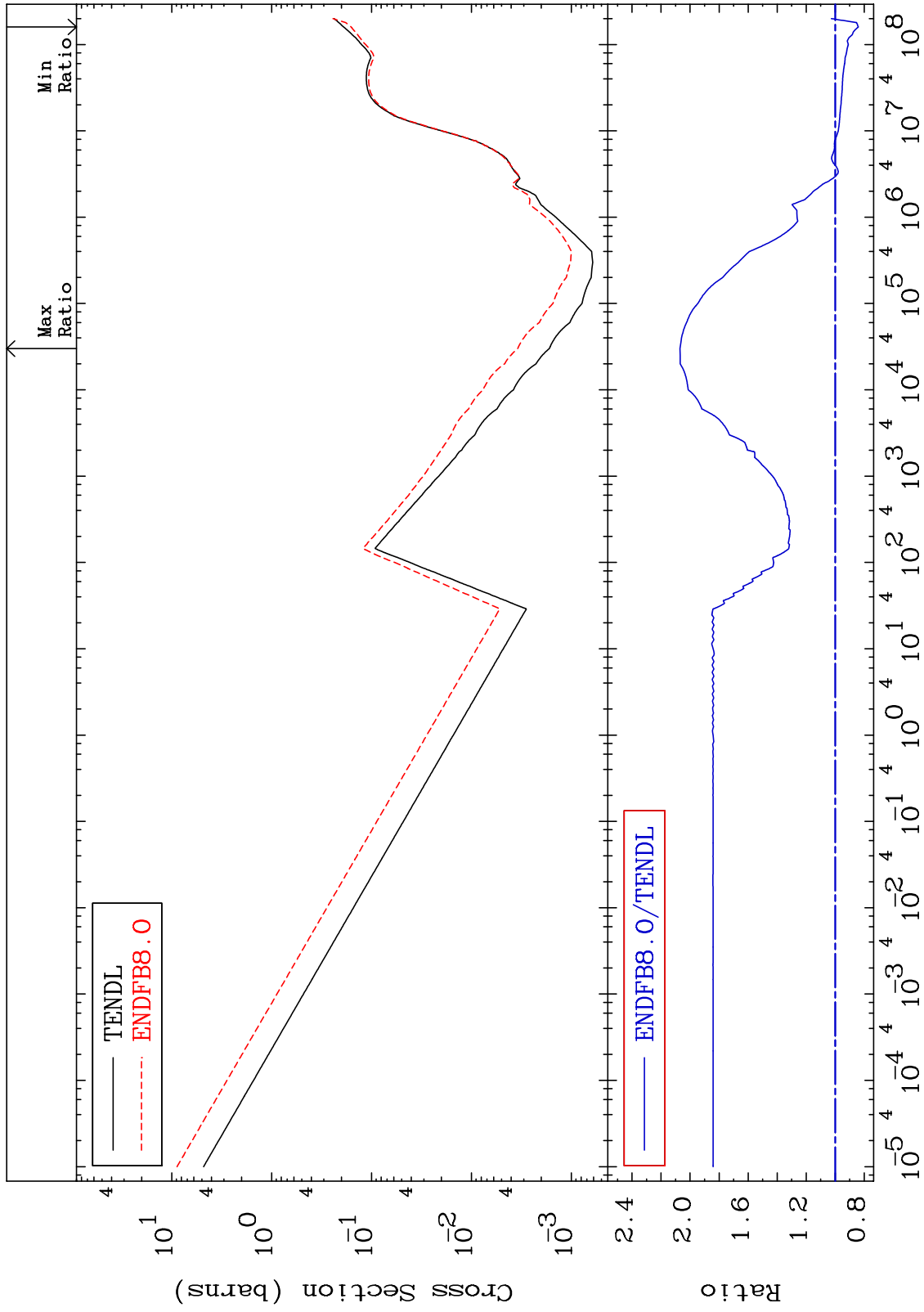
42-Mo-93



MAT 4228

He-4 Production  
Cross Section

42-Mo-93  
-16.00 To 106.9 %



64

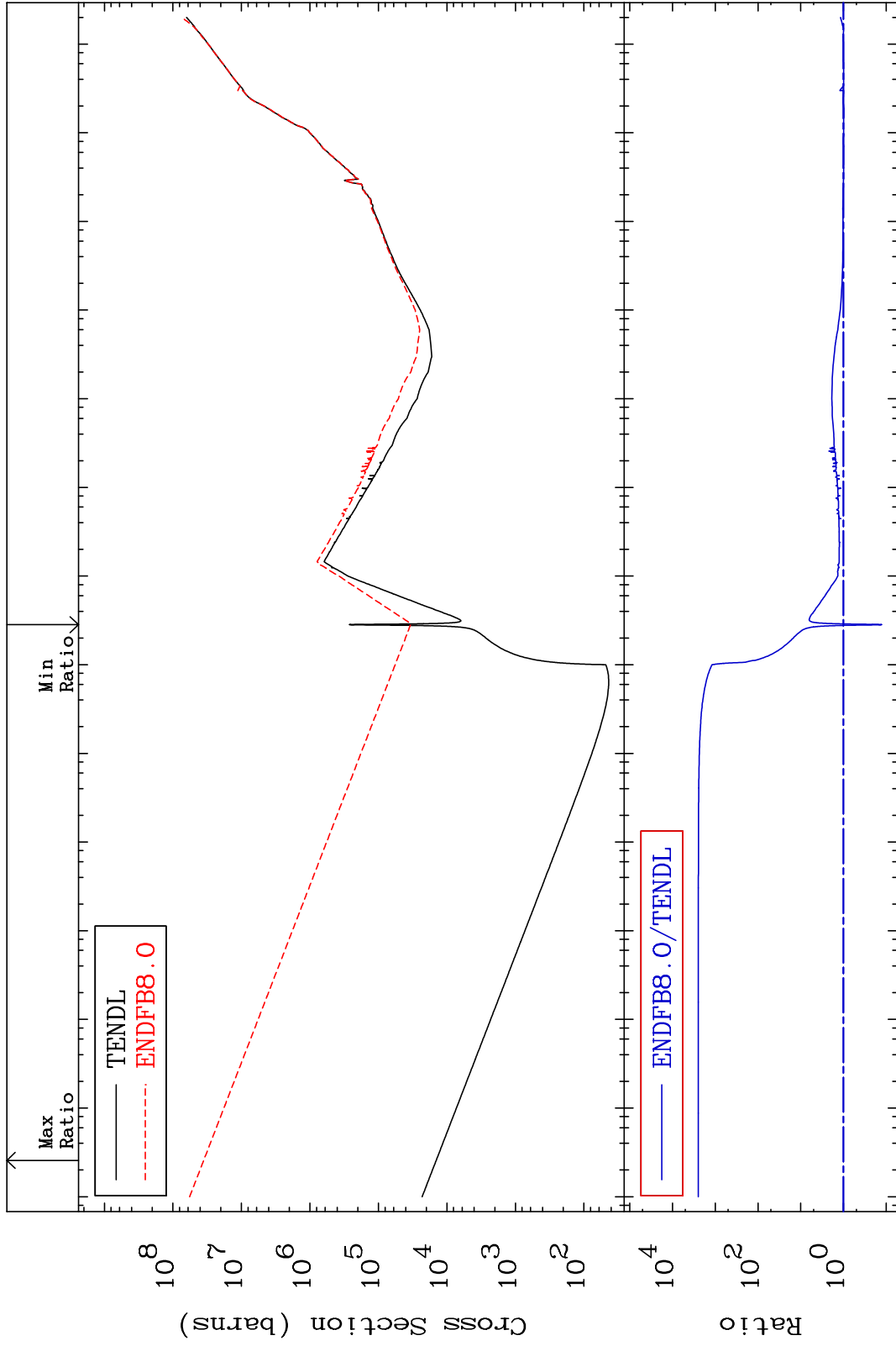
Incident Energy (eV)

42-Mo-93

MAT 4228

Kerma total (eV-barns)  
Cross Section

42-Mo-93  
-87.13 To 9999. %



65

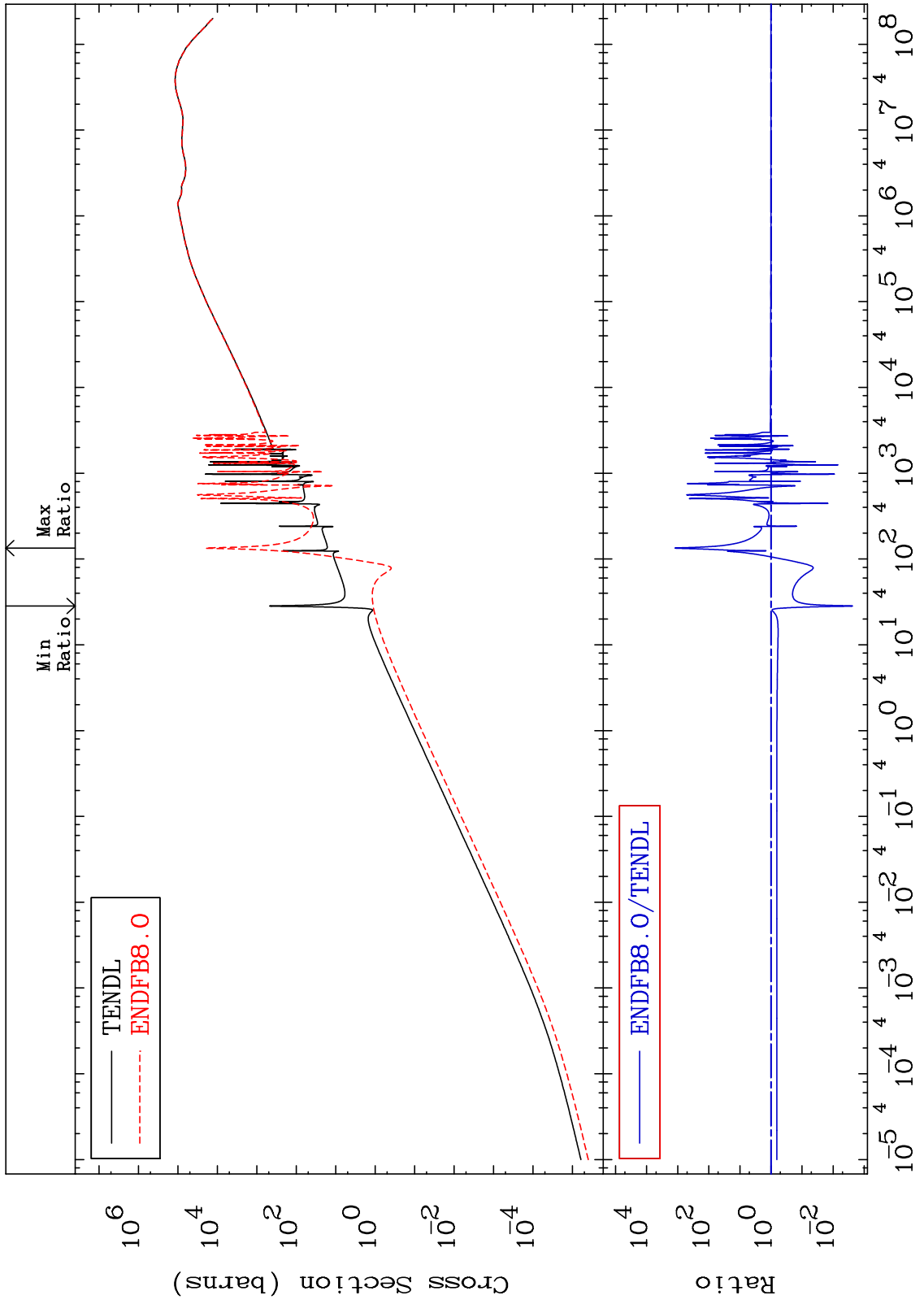
Incident Energy (eV)

42-Mo-93

MAT 4228

Kerma elastic  
Cross Section

42-Mo-93  
-99.76 To 9999. %



66

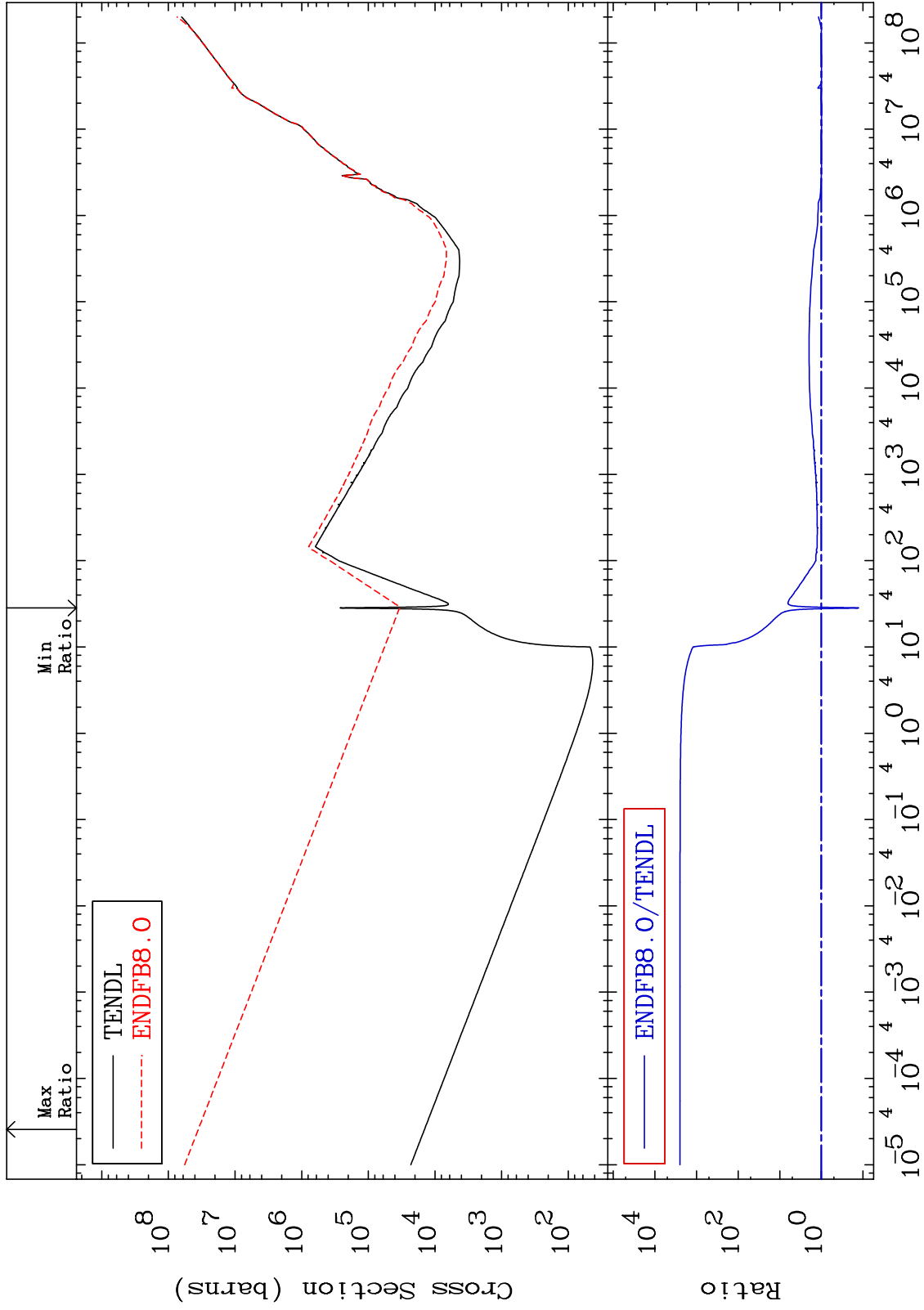
Incident Energy (eV)

42-Mo-93

MAT 4228

Kerma non-elastic (all but mt2)  
Cross Section

42-Mo-93  
-87.10 To 9999. %



67

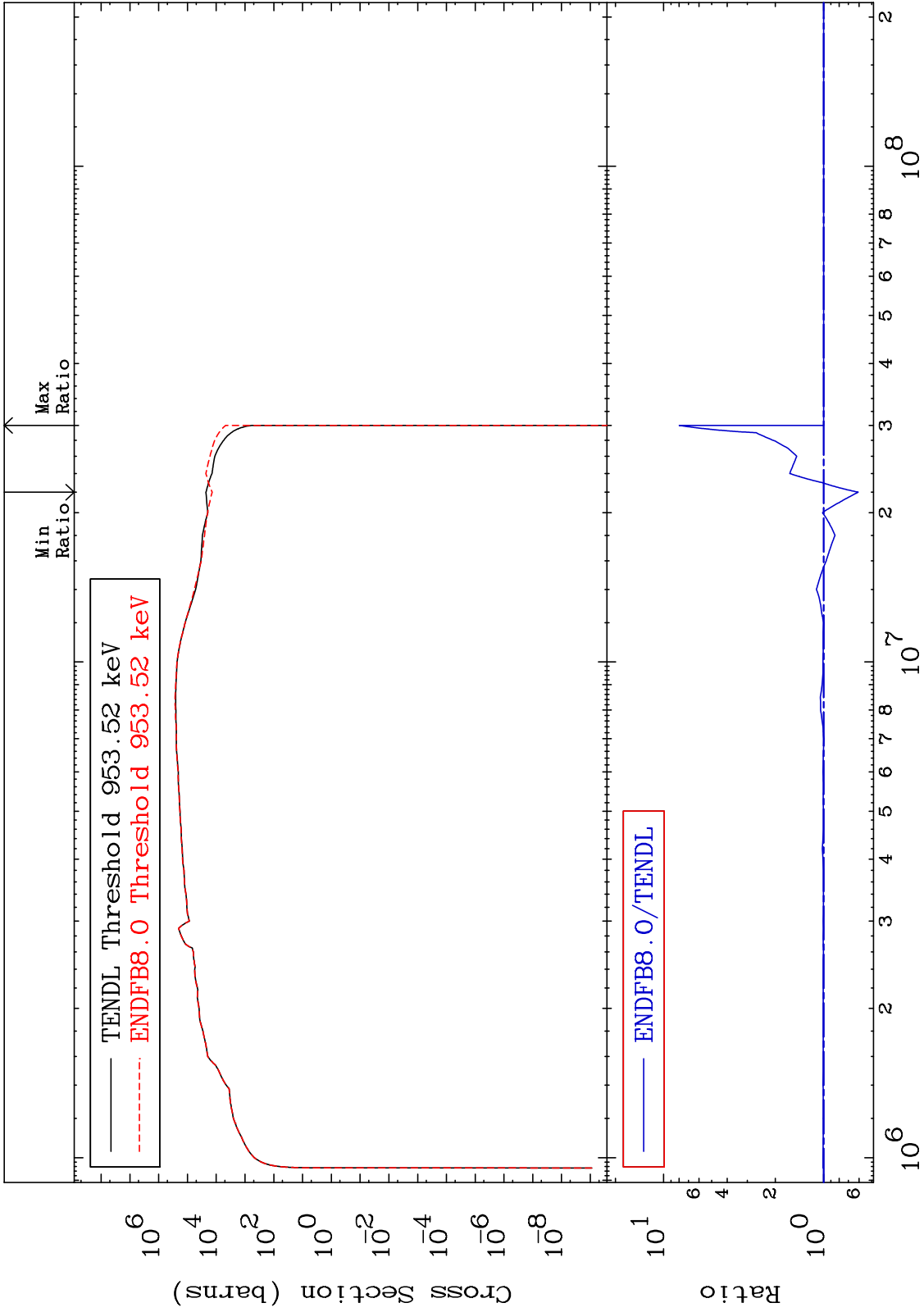
Incident Energy (eV)

42-Mo-93

MAT 4228

Kerma inelastic (mt51-91)  
Cross Section

42-Mo-93  
-39.30 To 697.0 %



68

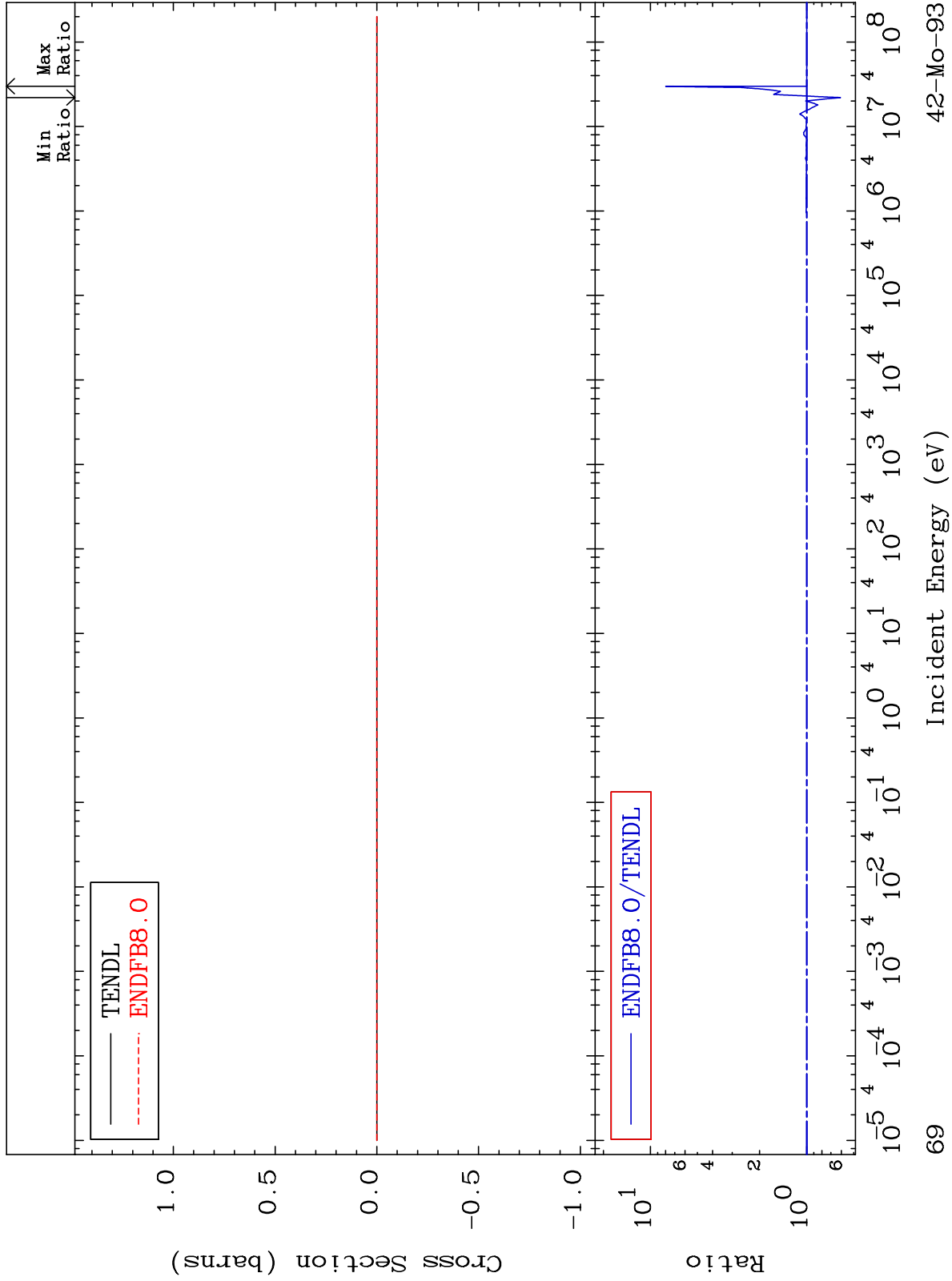
Incident Energy (eV)

42-Mo-93

MAT 4228

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

42-Mo-93  
-39.30 To 697.0 %



69

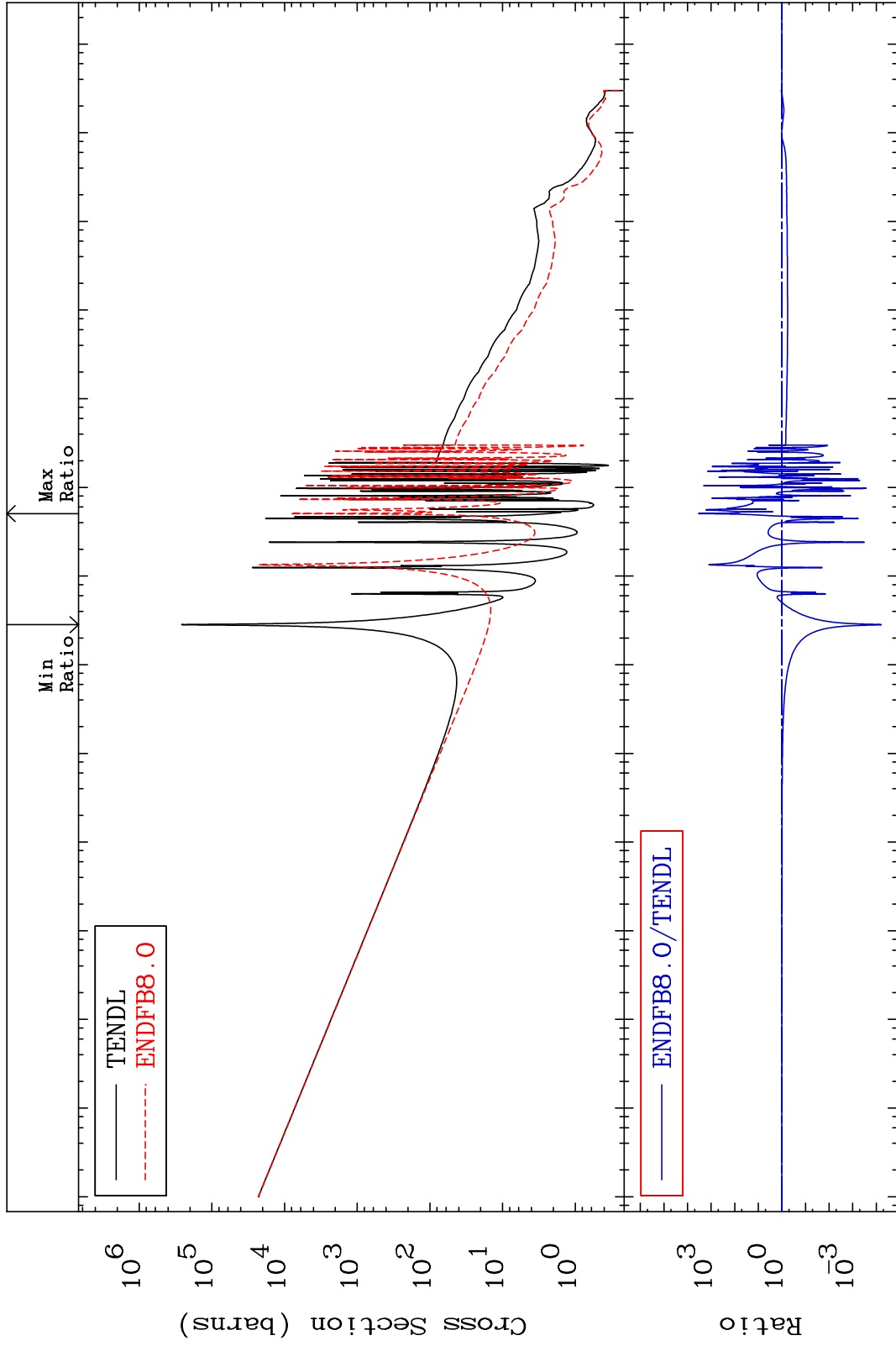
Incident Energy (eV)

42-Mo-93

MAT 4228

Kerma capture (mt102)  
Cross Section

42-Mo-93  
-99.99 To 9999. %



70

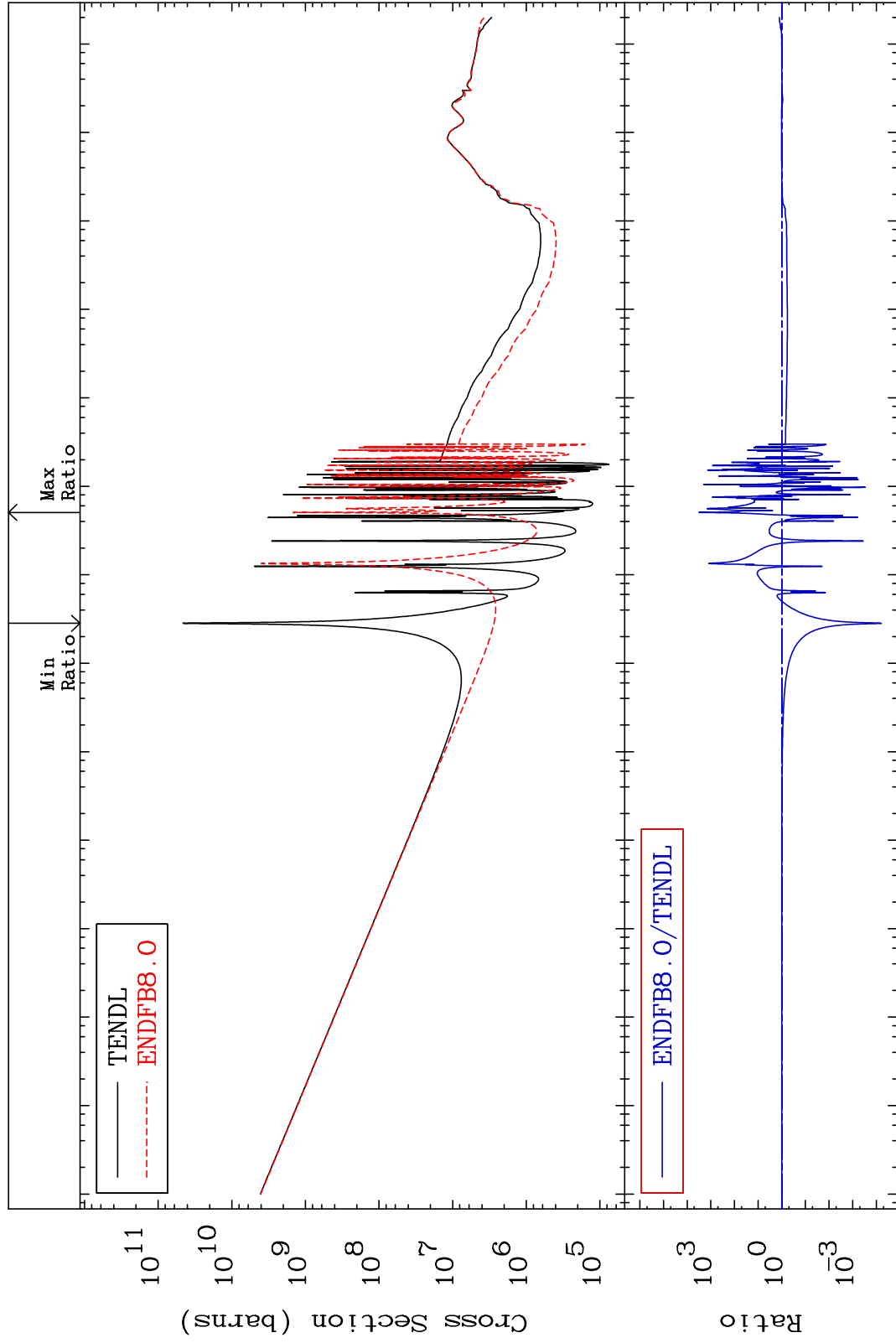
Incident Energy (eV)

42-Mo-93

MAT 4228

Total photon (eV-barns)  
Cross Section

42-Mo-93  
-99.99 To 9999. %



71

Incident Energy (eV)

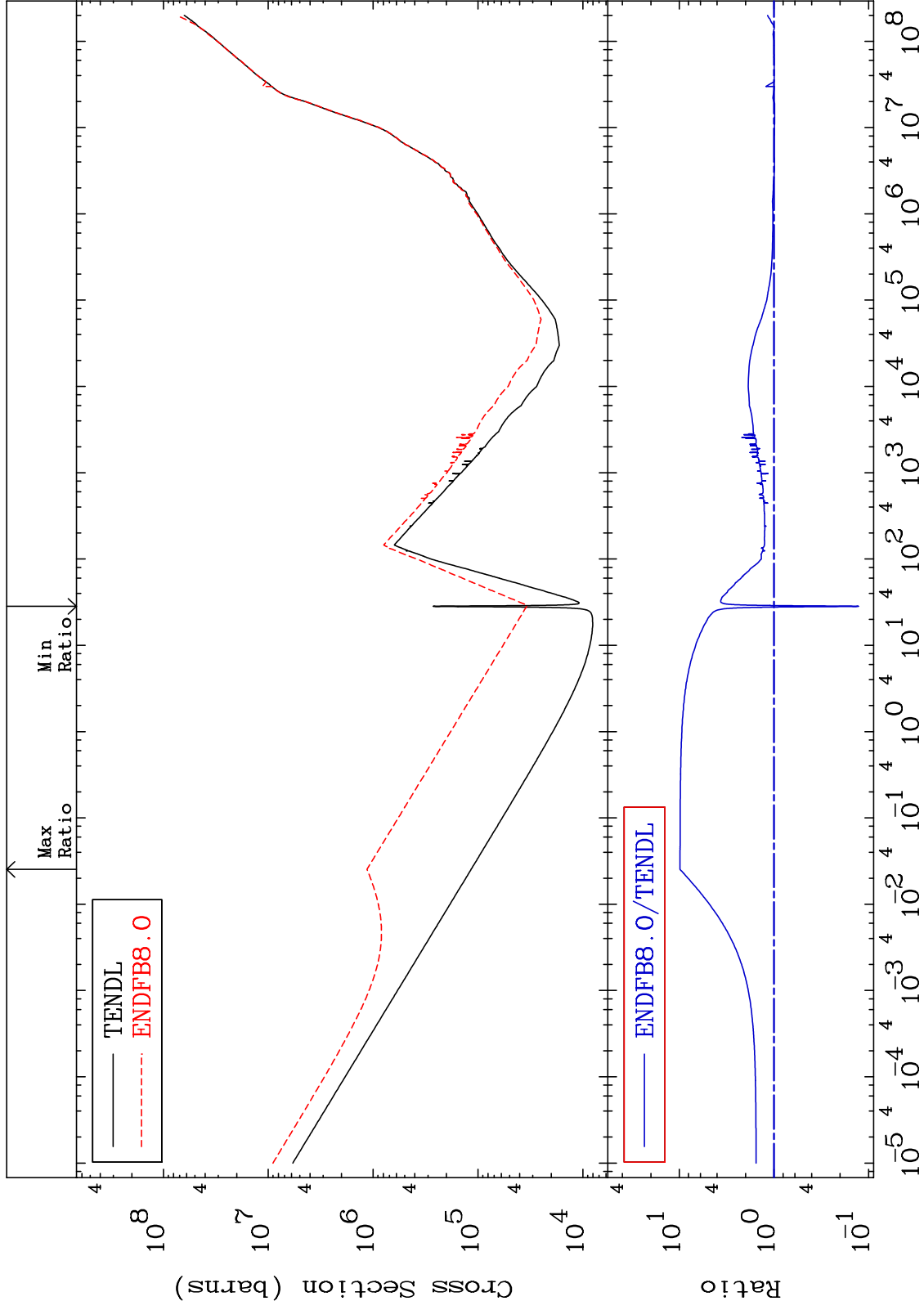
42-Mo-93



MAT 4228

Total kinematic kerma (high limit)  
Cross Section

42-Mo-93  
-87.19 To 885.0 %



72

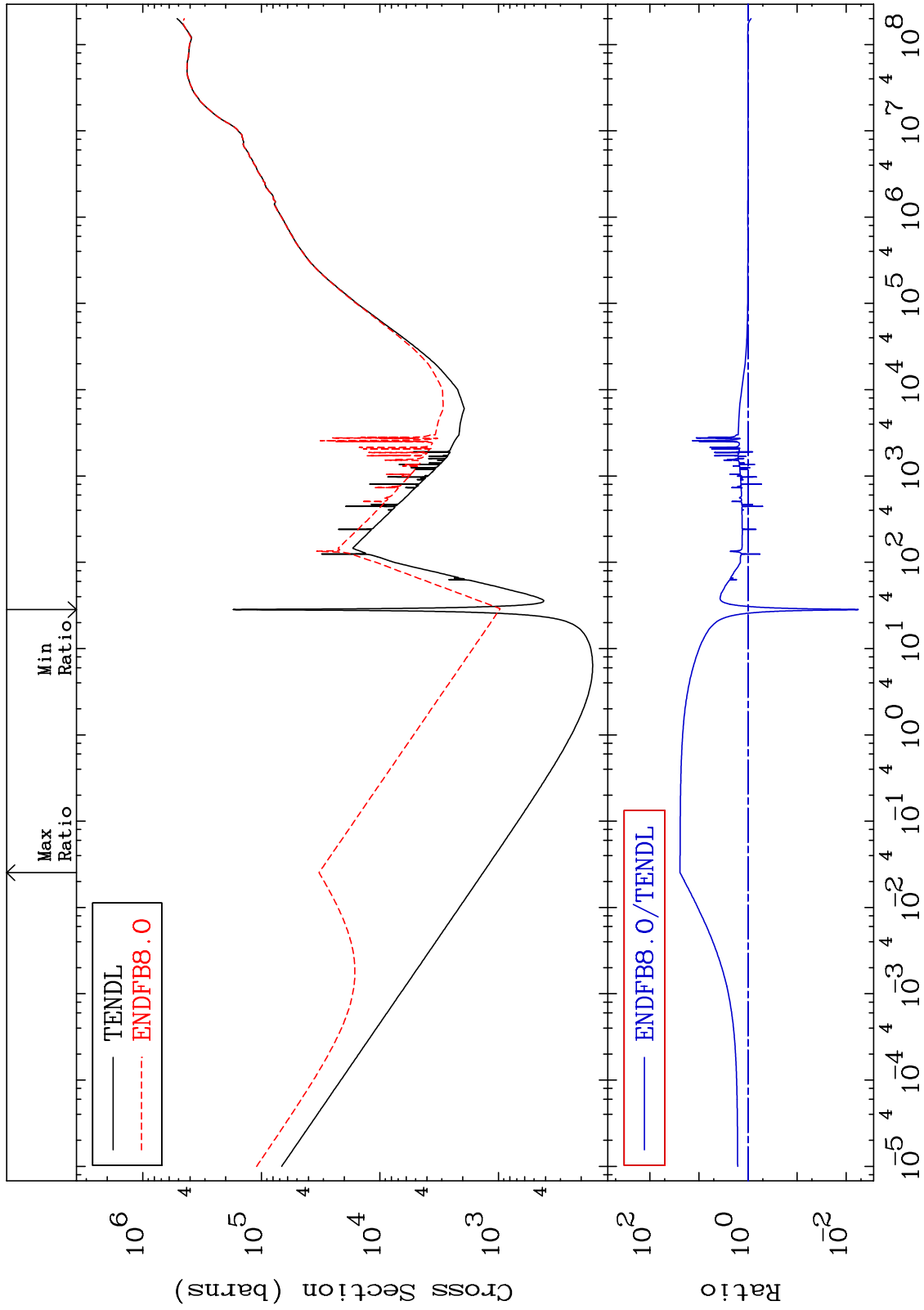
Incident Energy (eV)

42-Mo-93

MAT 4228

Dpa total (eV-barns)  
Cross Section

42-Mo-93  
-99.44 To 2326. %



73

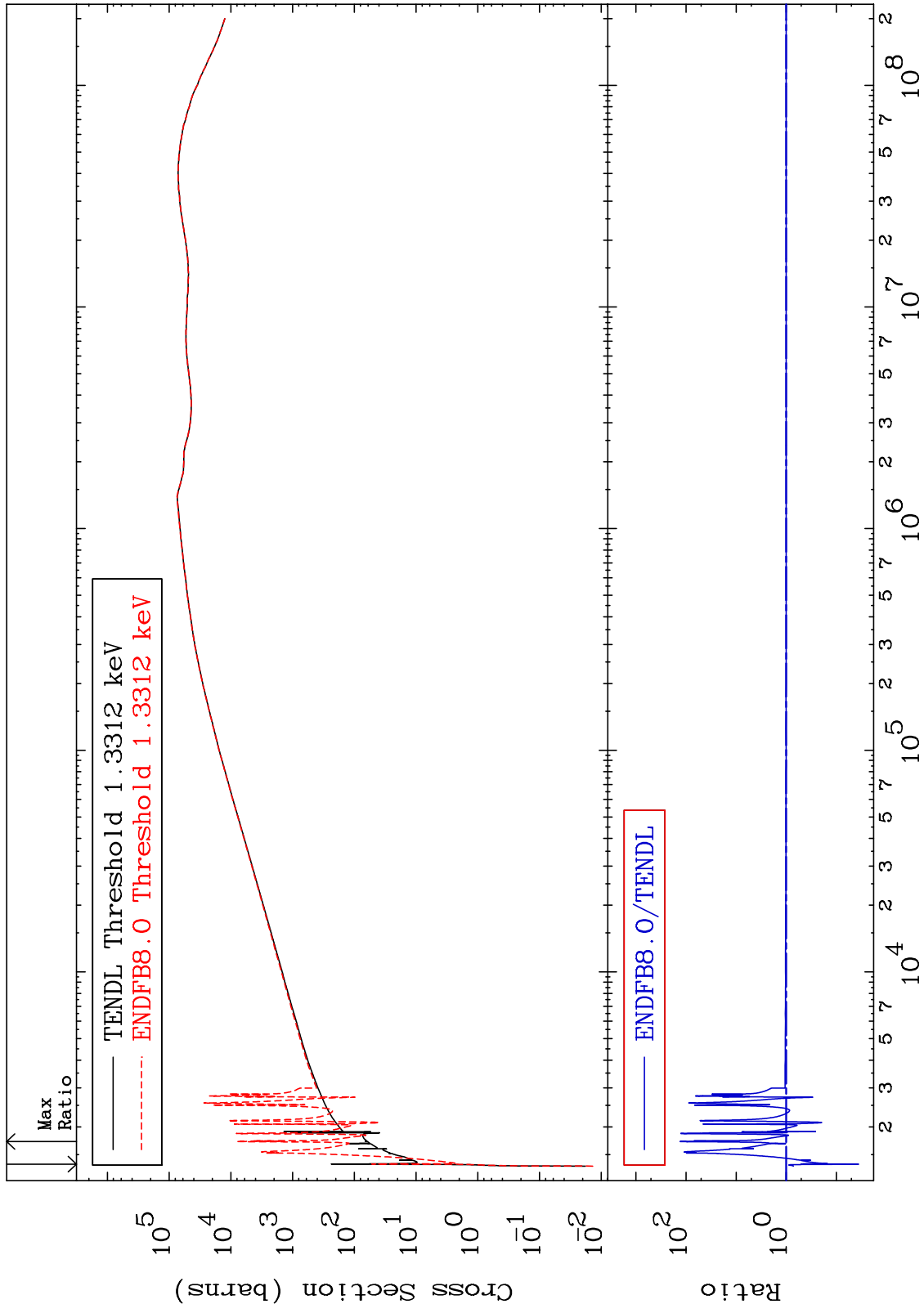
Incident Energy (eV)

42-Mo-93

MAT 4228

Dpa elastic (mt2)  
Cross Section

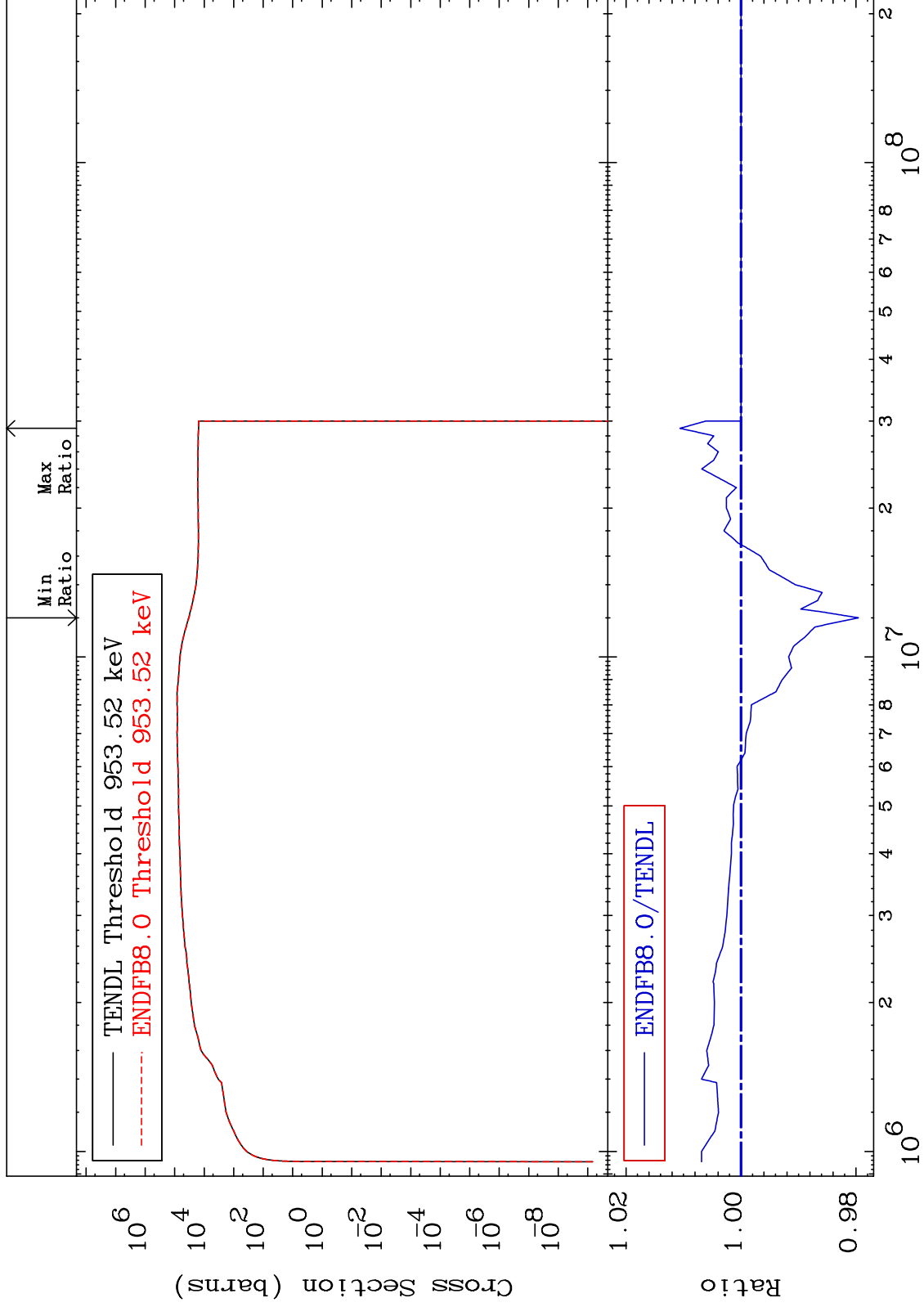
42-Mo-93  
-96.38 To 9999. %



MAT 4228

Dpa inelastic (mt51-91)  
Cross Section

42-Mo-93  
-2.041 To 1.061 %



42-Mo-93

Incident Energy (eV)

75

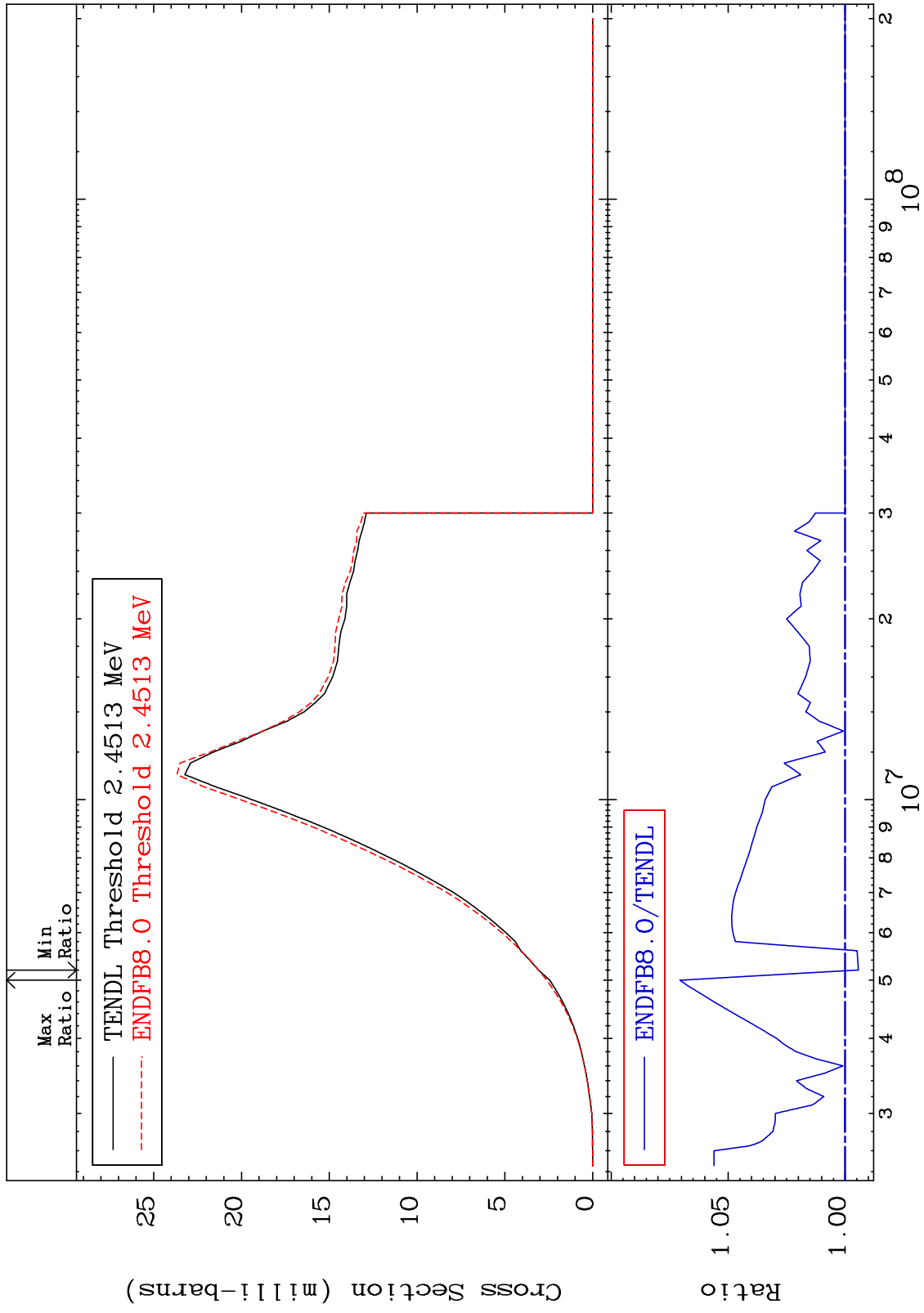


MAT 4228

Inelastic:42-Mo-93m16

42-Mo-93

Radionuclide Production Cross Section -0.569 To 7.059 %



77

Incident Energy (eV)

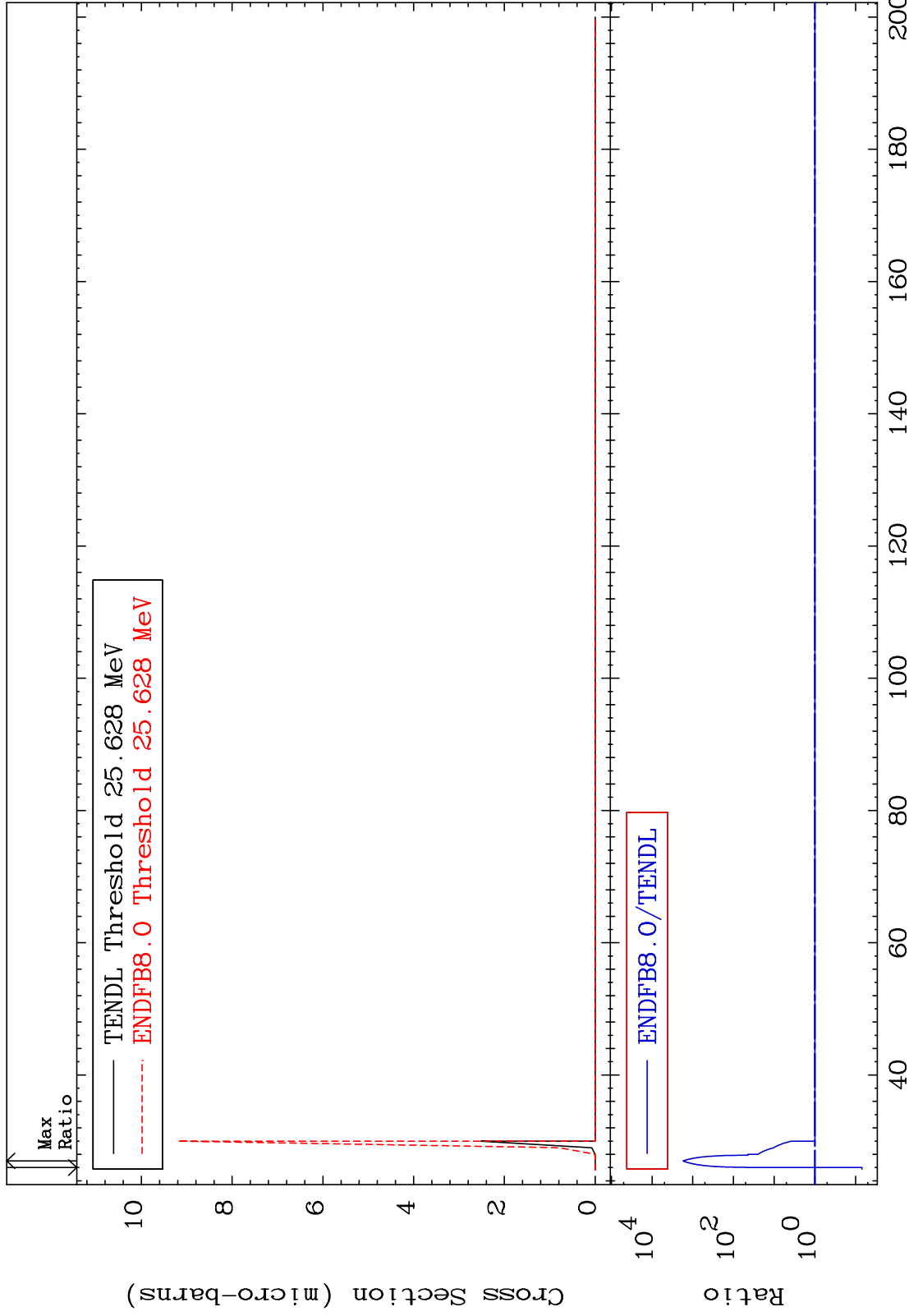
42-Mo-93

MAT 4228

(n,2n) d: 41-Nb-90g

42-Mo-93

Radionuclide Production Cross Section -93.04 To 9999. %



78

Incident Energy (MeV)

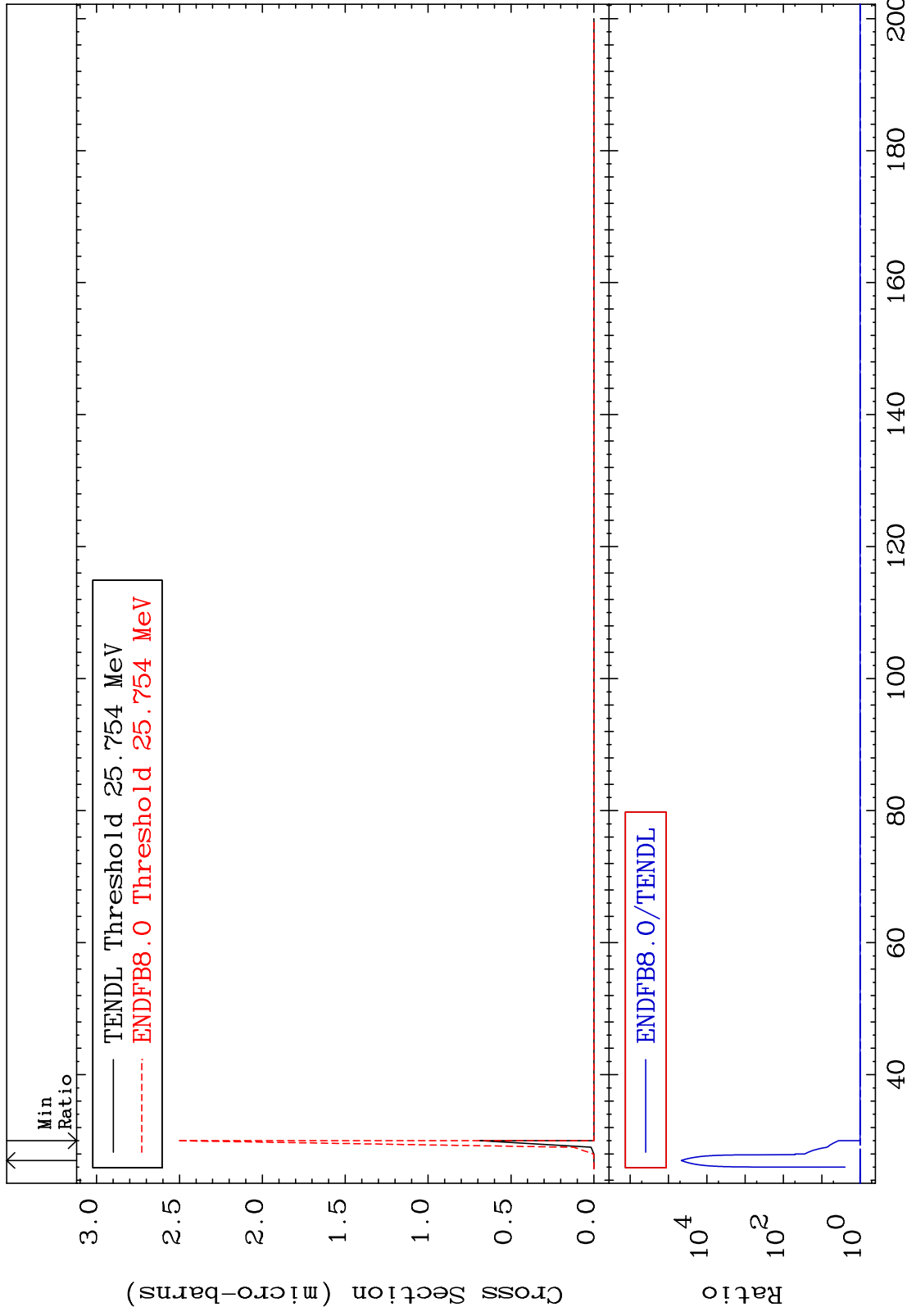
42-Mo-93

MAT 4228

(n,2n) d:41-Nb-90m2

42-Mo-93

Radionuclide Production Cross Section 0.000 To 9999. %



79

Incident Energy (MeV)

42-Mo-93

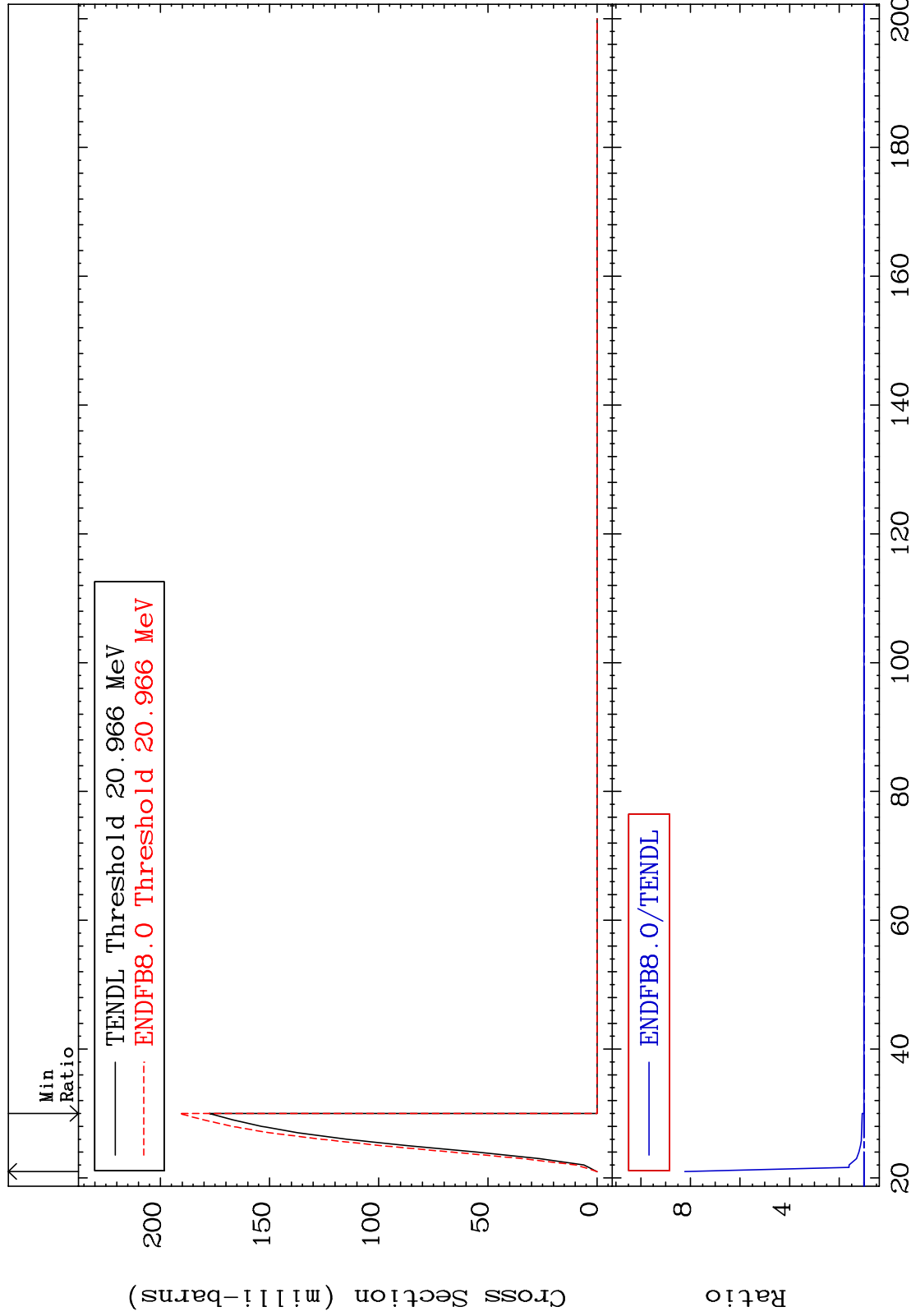


MAT 4228

(n,3n) : 42-Mo-91g

42-Mo-93

Radionuclide Production Cross Section 0.000 To 722.6 %



42-Mo-93

Incident Energy (MeV)

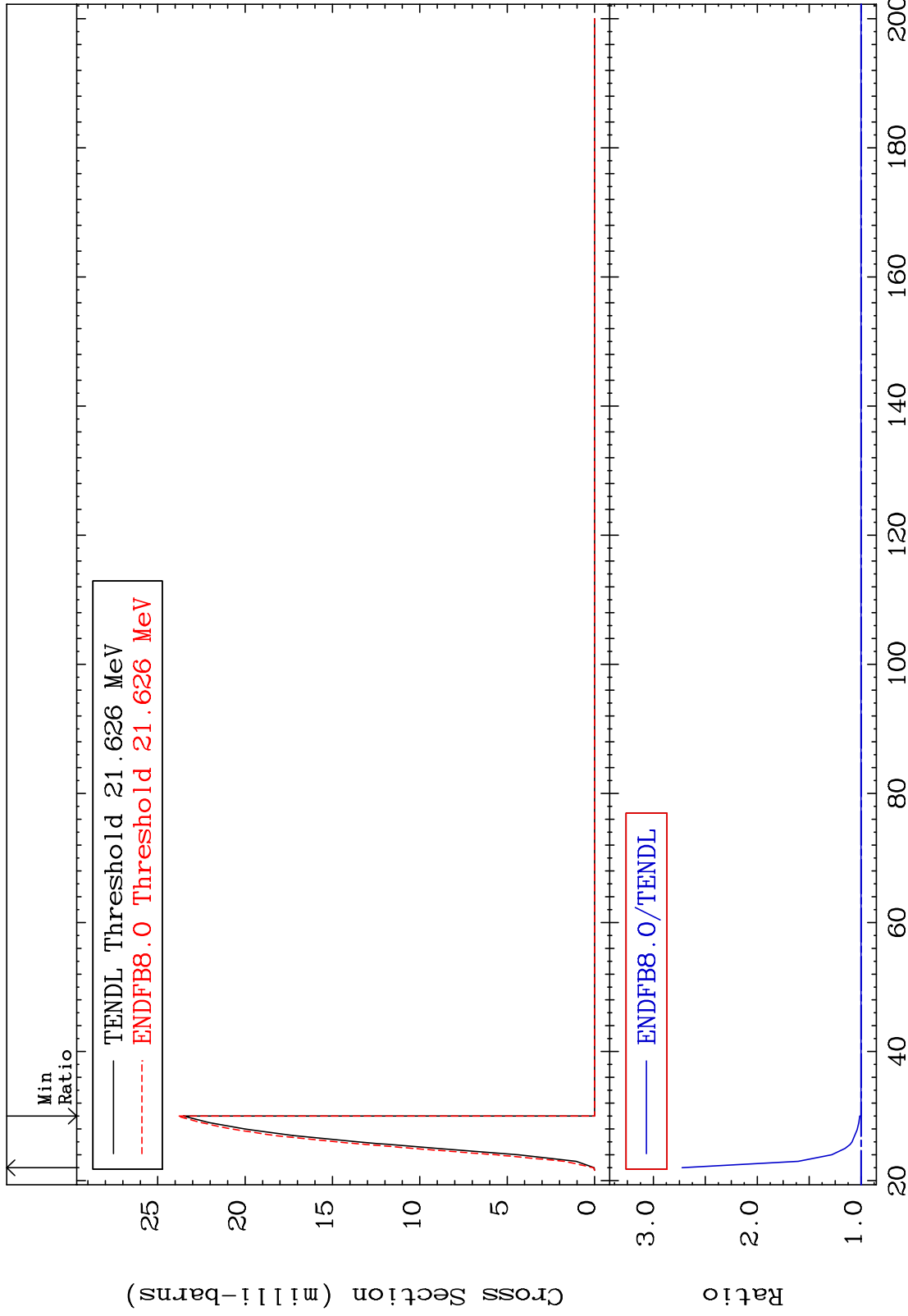
80

MAT 4228

(n,3n) : 42-Mo-91m1

42-Mo-93

Radionuclide Production Cross Section 0.000 To 172.3 %

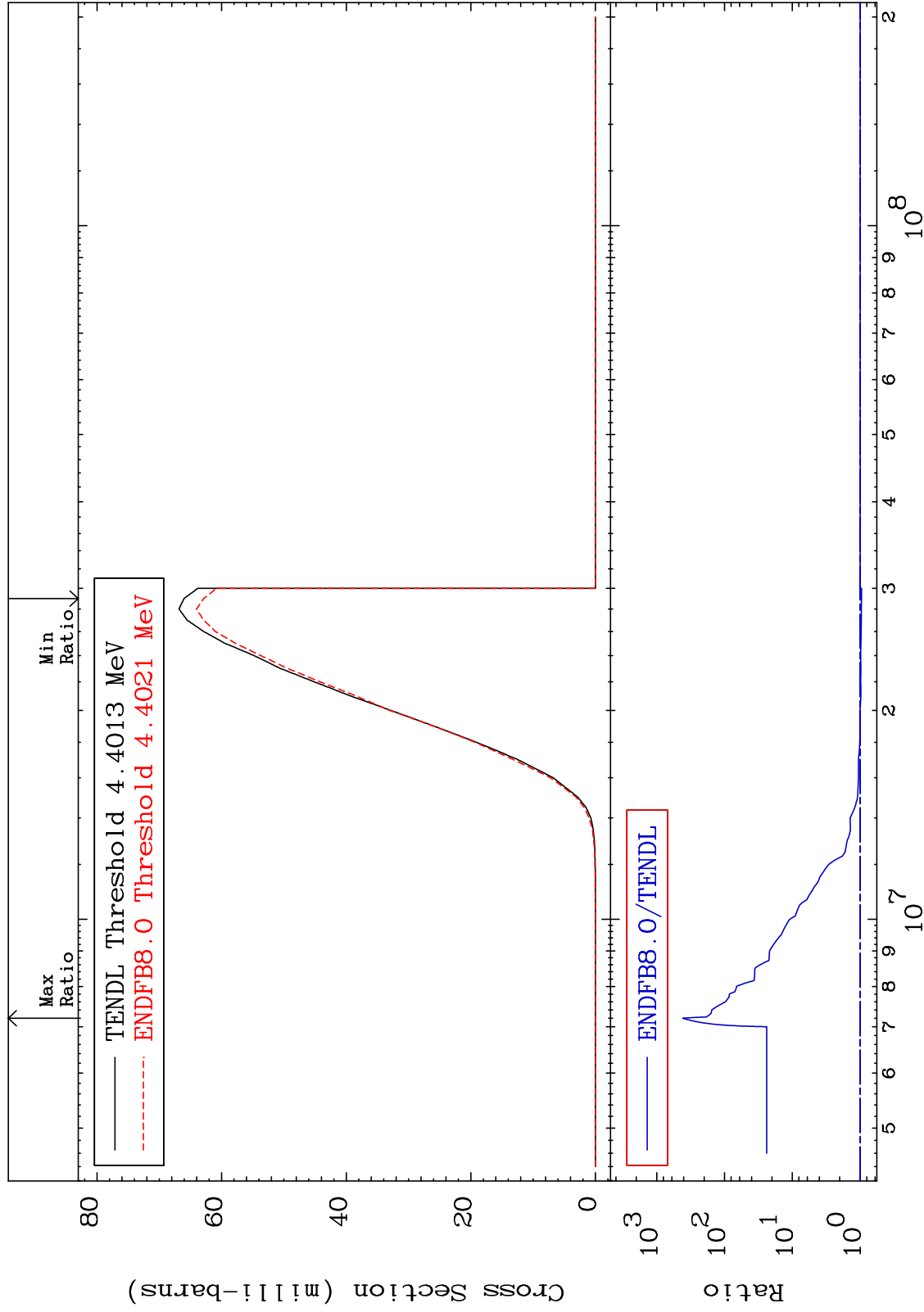


MAT 4228

(n, n')  $\alpha$ : 40-Zr-89g

42-Mo-93

Radionuclide Production Cross Section -4.787 To 9999. %



82

Incident Energy (eV)

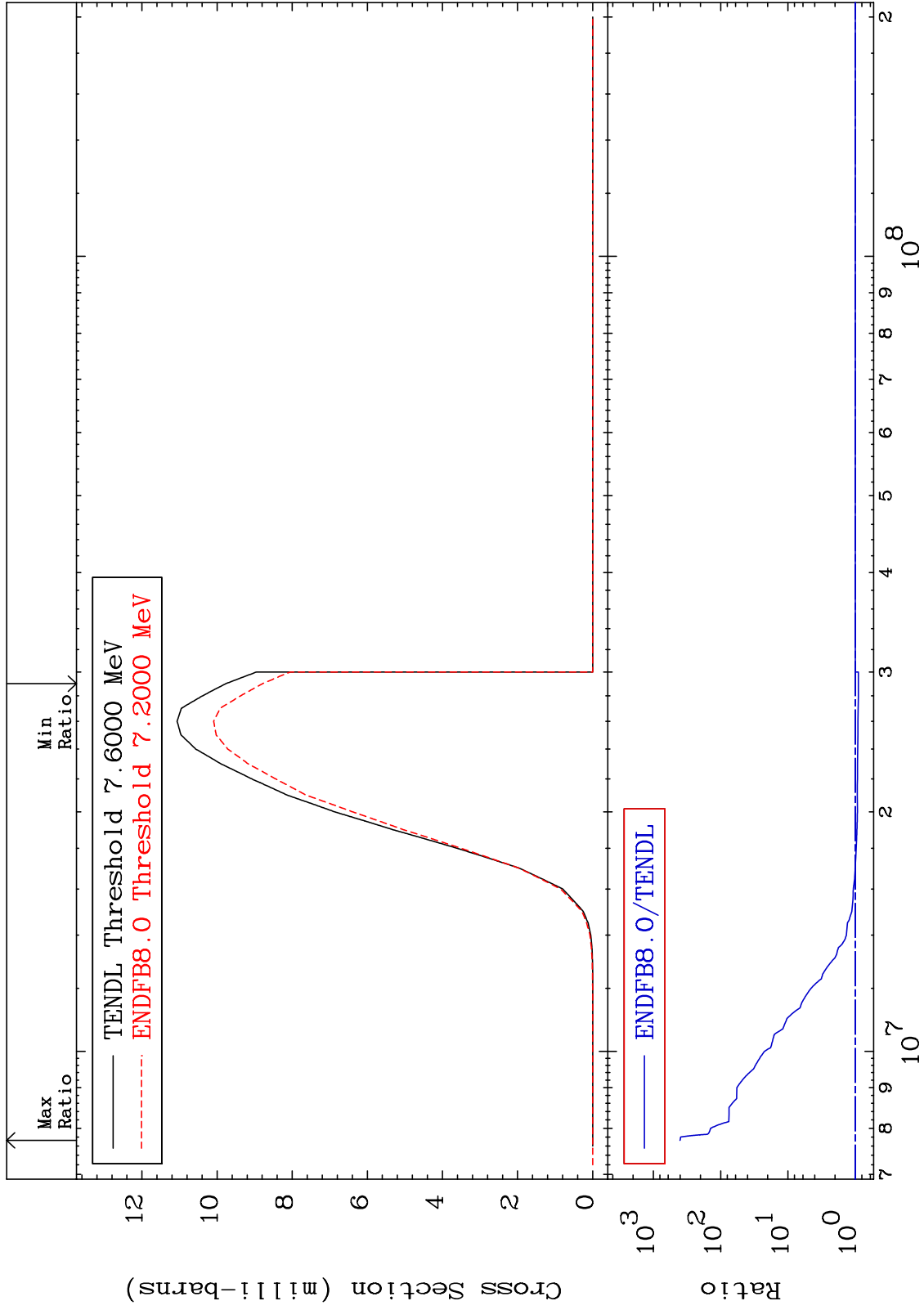
42-Mo-93

MAT 4228

(n, n')  $\alpha$ :40-Zr-89m1

42-Mo-93

Radionuclide Production Cross Section -10.01 To 9999. %



83

Incident Energy (eV)

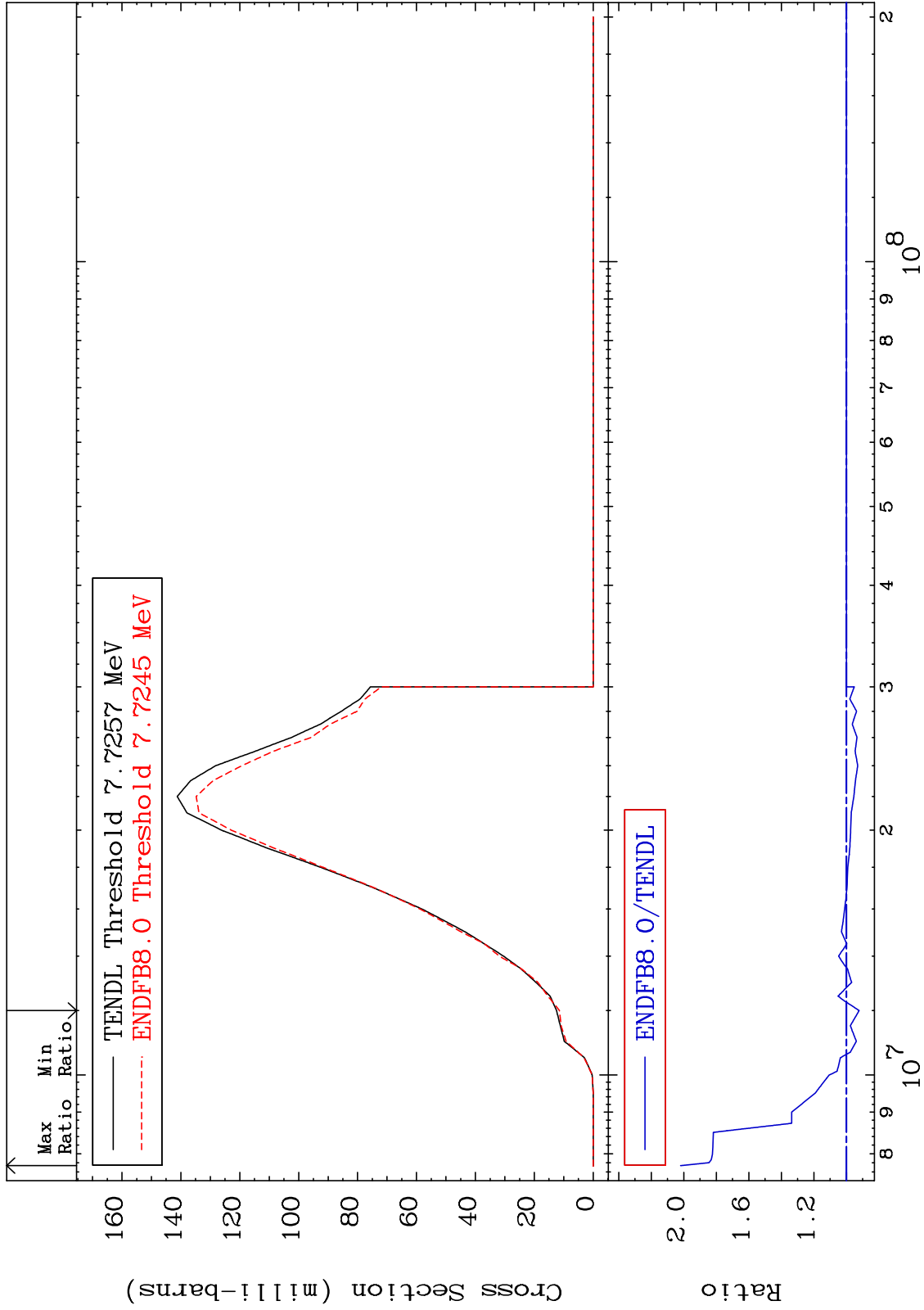
42-Mo-93

MAT 4228

(n, n') p: 41-Nb-92g

42-Mo-93

Radionuclide Production Cross Section -7.852 To 101.9 %



84

Incident Energy (eV)

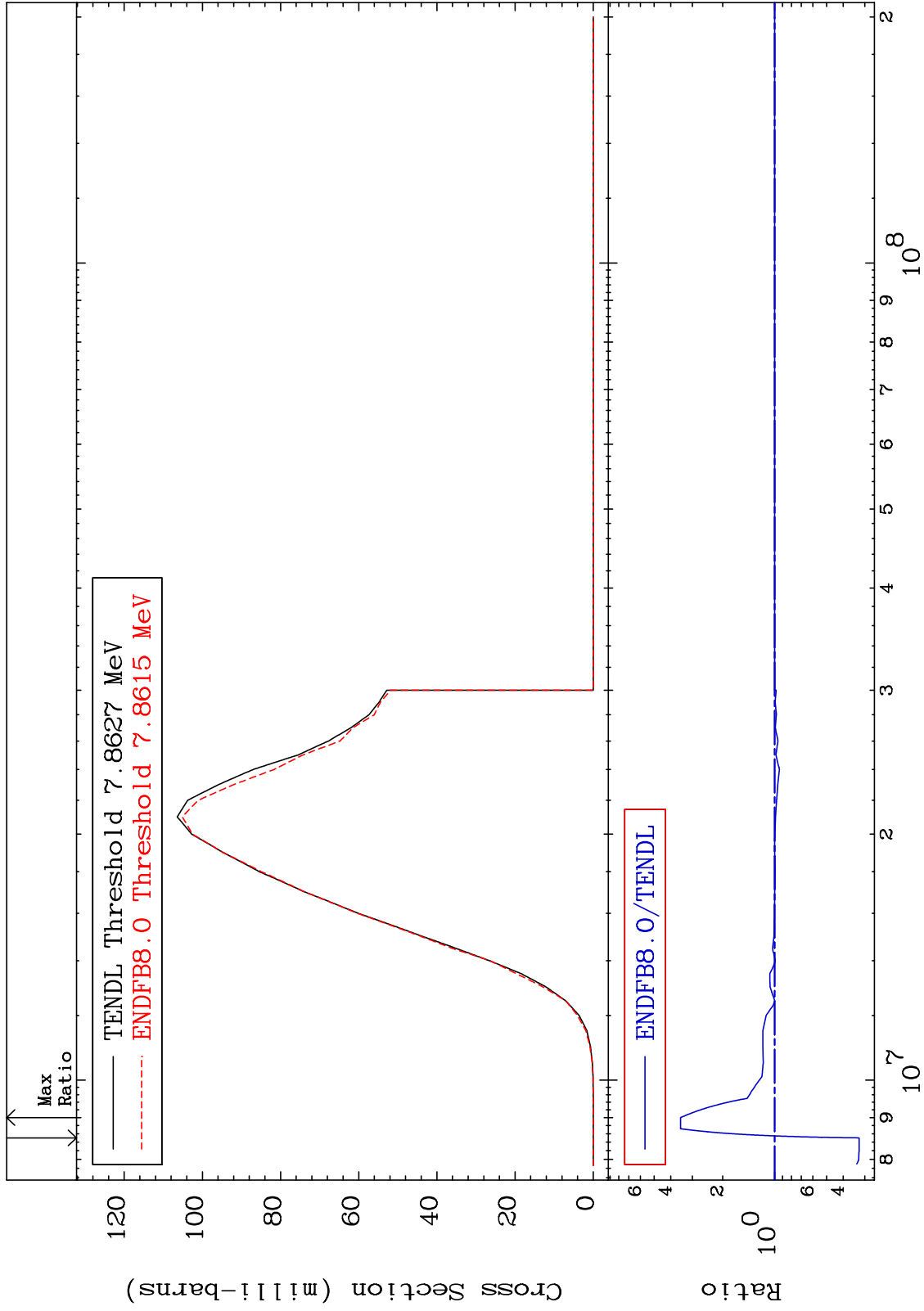
42-Mo-93

MAT 4228

(n, n') p:41-Nb-92m1

42-Mo-93

Radionuclide Production Cross Section -67.64 To 250.7 %



85

42-Mo-93

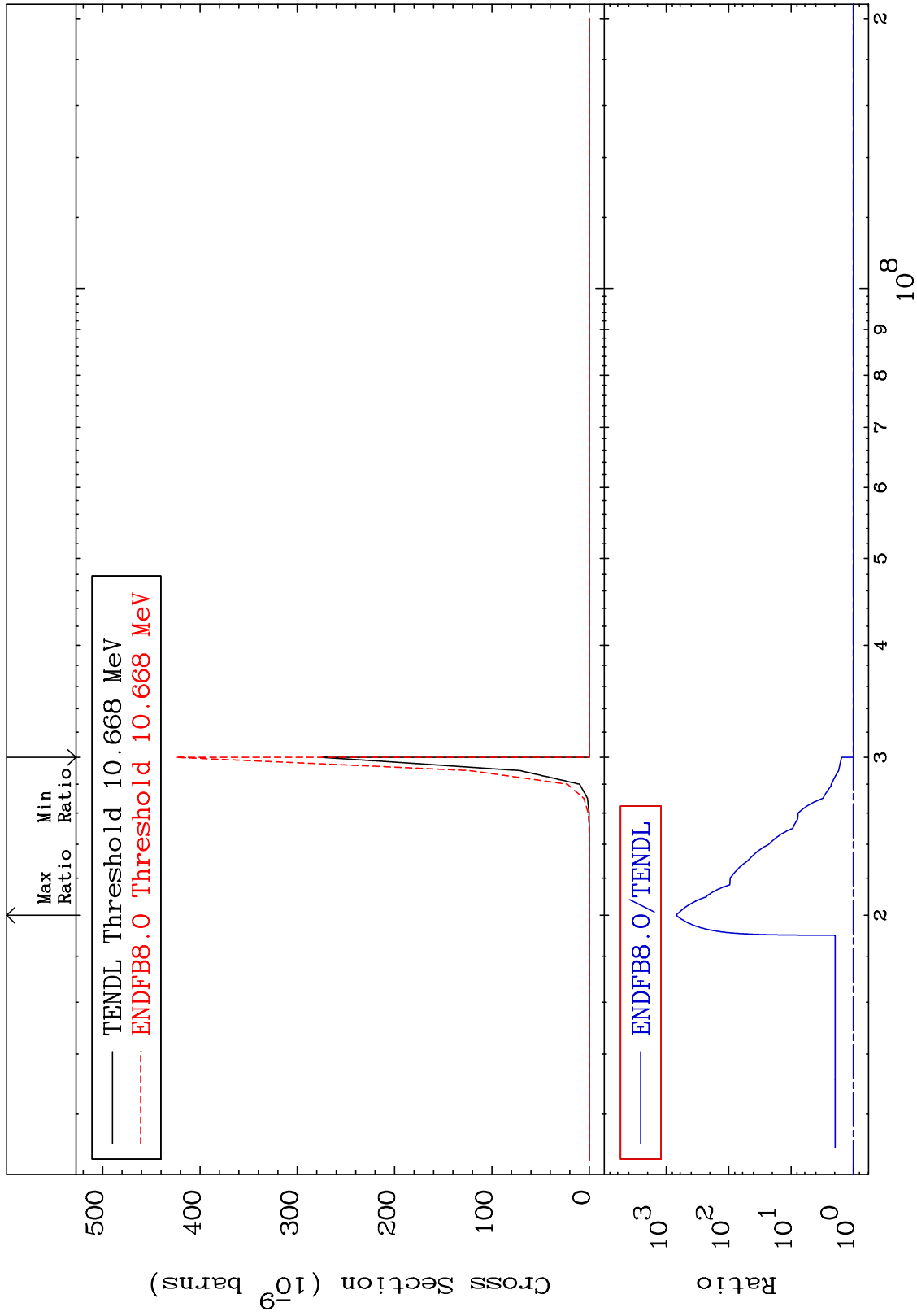
42-Mo-93

MAT 4228

42-Mo-93

(n, n') 2α:38-Sr-85g

Radionuclide Production Cross Section 0.000 To 9999. %

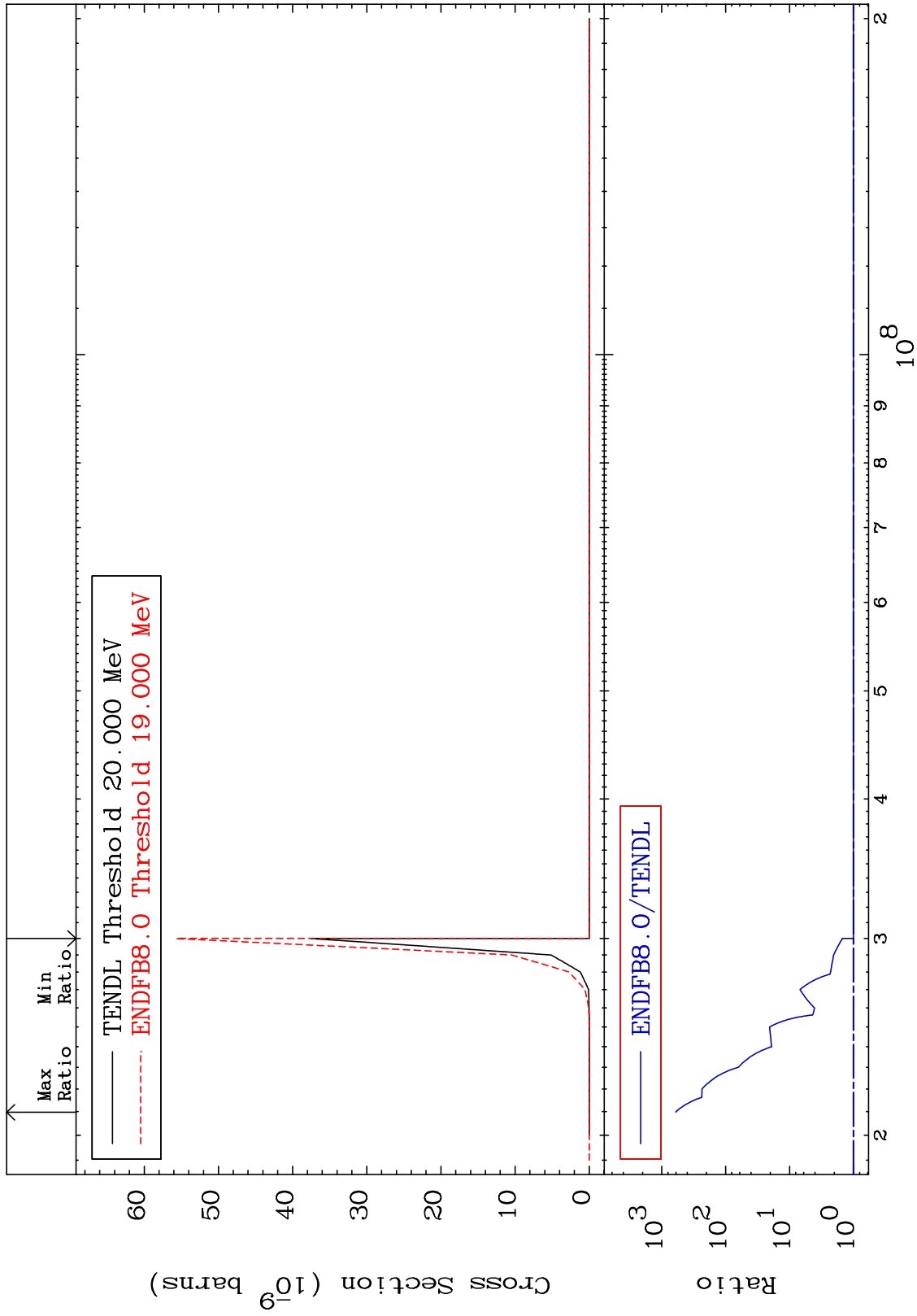


MAT 4228

(n, n')  $^{2\alpha}$ : $^{38}$ -Sr- $^{85}$ m2

42-Mo-93

Radionuclide Production Cross Section 0.000 To 9999. %



87

Incident Energy (eV)

42-Mo-93

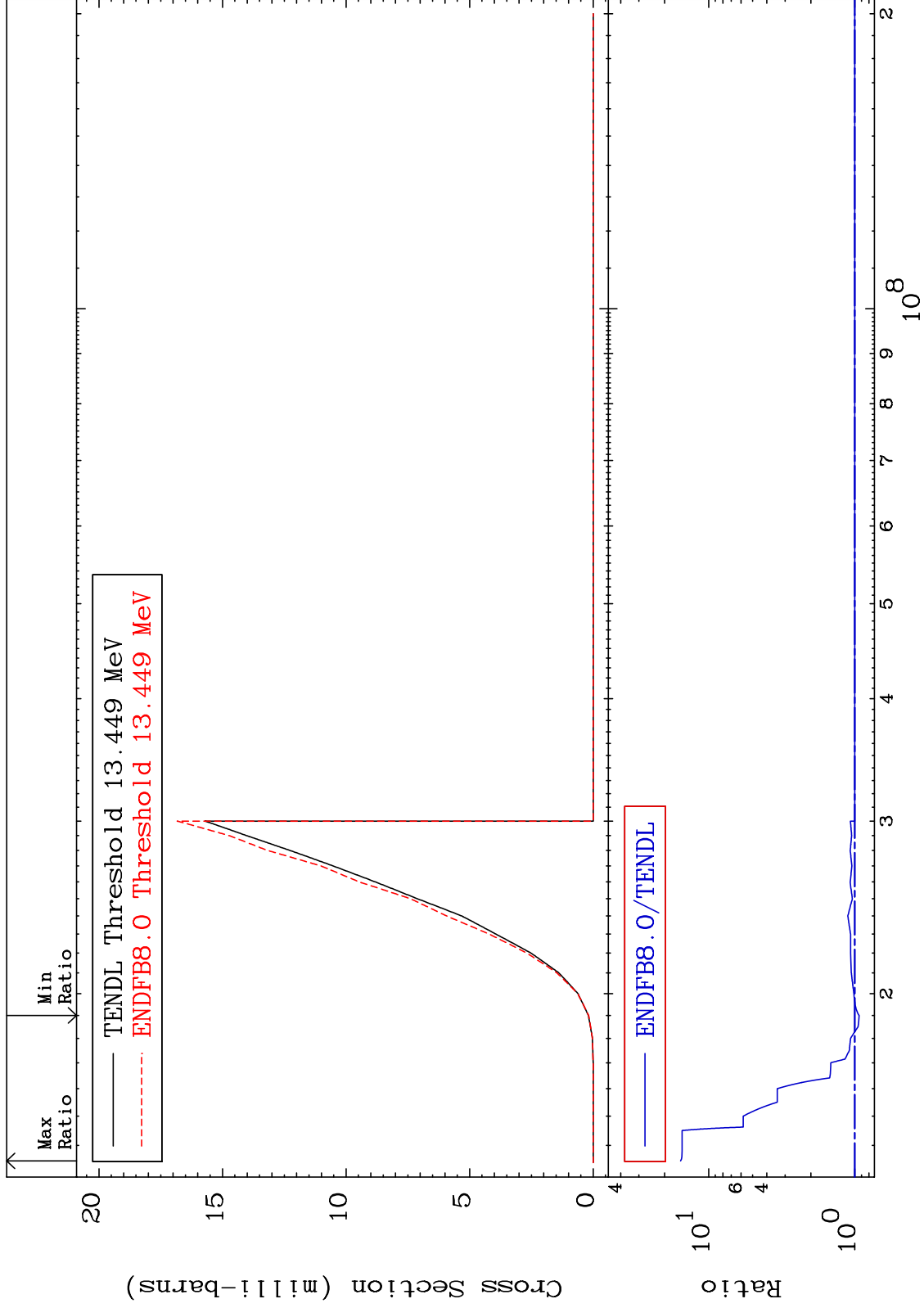


MAT 4228

(n, n') d: 41-Nb-91g

42-Mo-93

Radionuclide Production Cross Section -6.683 To 1455. %



88

Incident Energy (eV)

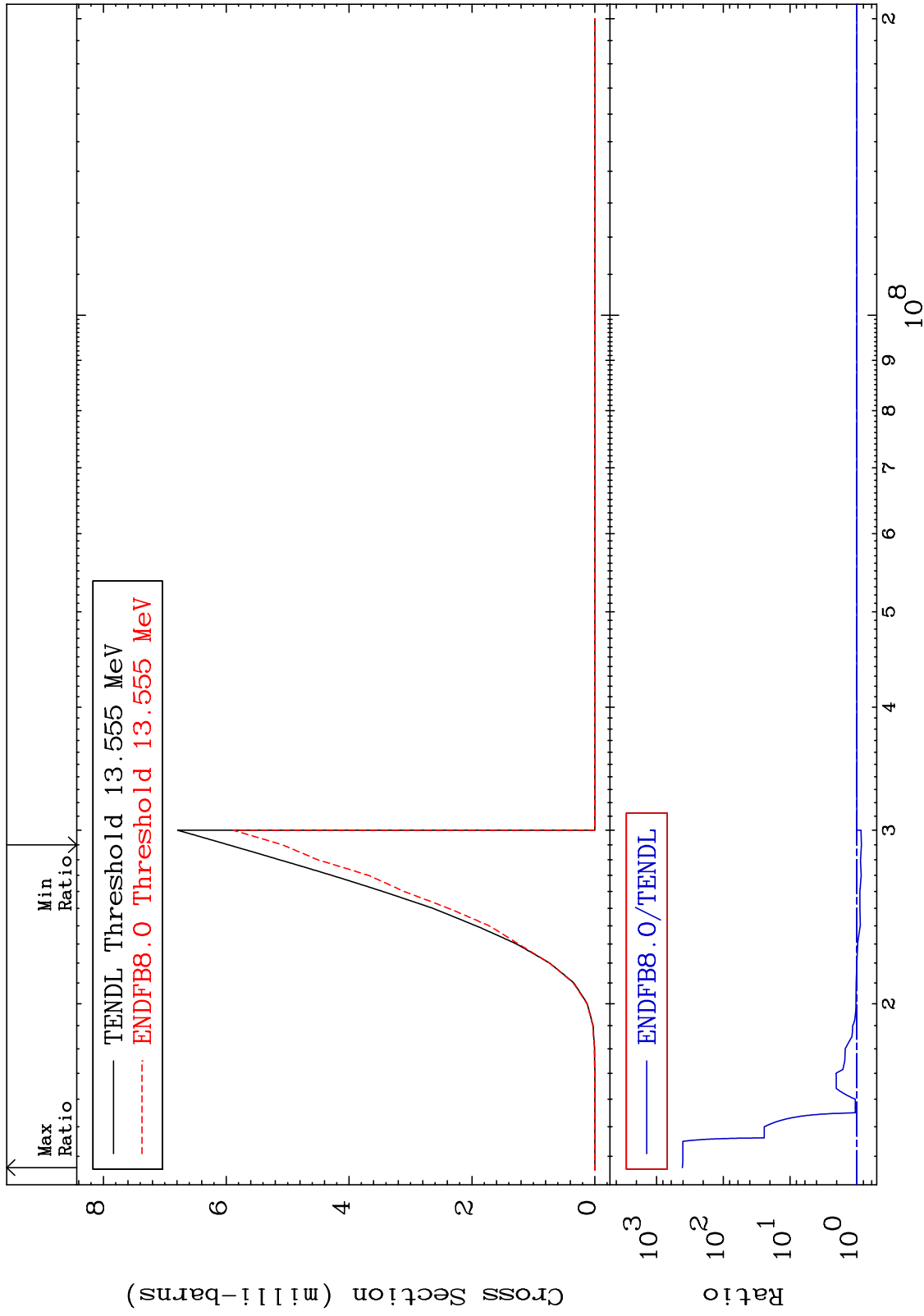
42-Mo-93

MAT 4228

(n, n') d:41-Nb-91m1

42-Mo-93

Radionuclide Production Cross Section -14.73 To 9999. %

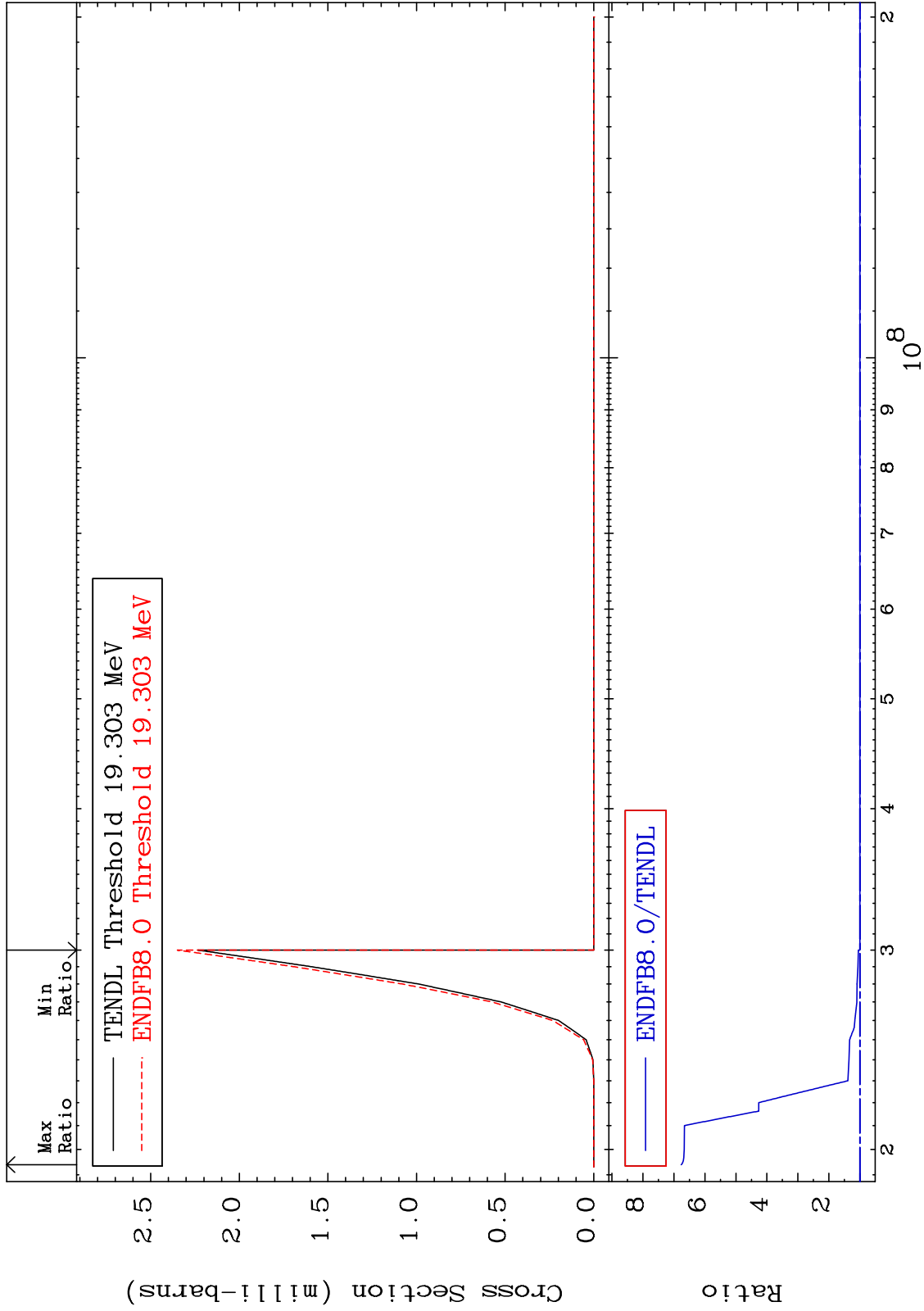


MAT 4228

(n, n') t: 41-Nb-90g

42-Mo-93

Radionuclide Production Cross Section 0.000 To 576.3 %



90

Incident Energy (eV)

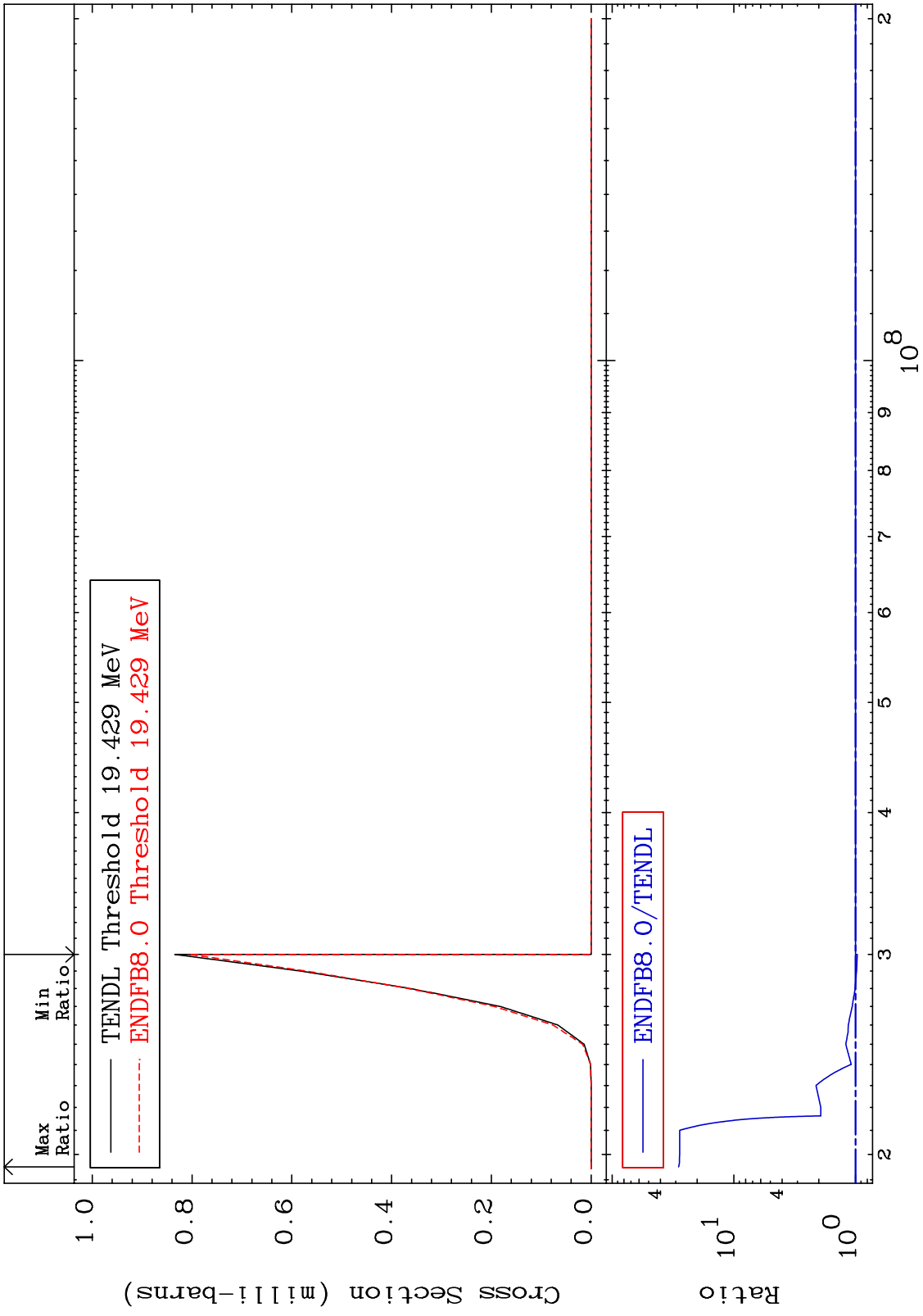
42-Mo-93

MAT 4228

(n, n') t:41-Nb-90m2

42-Mo-93

Radionuclide Production Cross Section -3.387 To 2739. %



91

Incident Energy (eV)

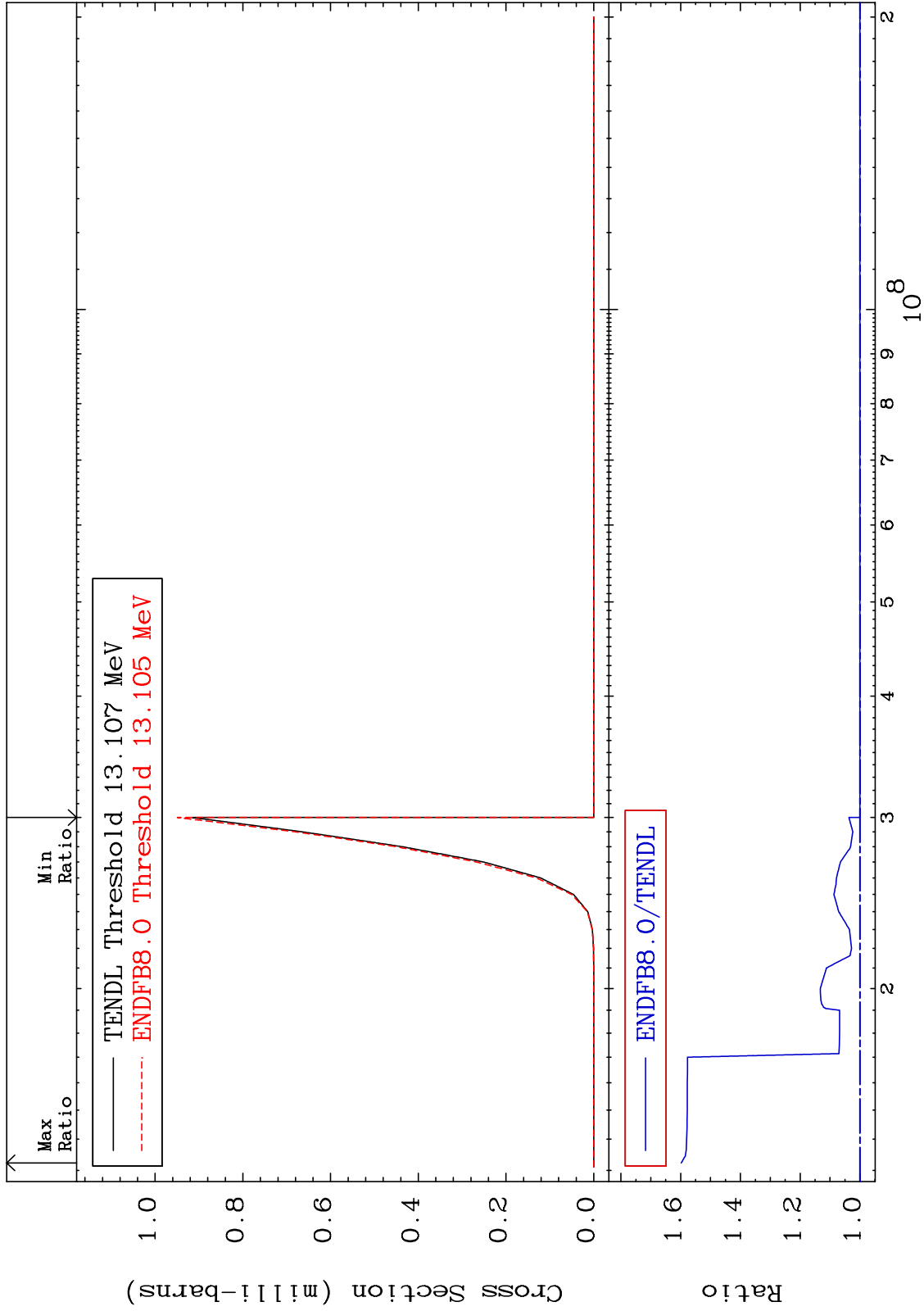
42-Mo-93

MAT 4228

(n, n') He-3: 40-Zr-90g

42-Mo-93

Radionuclide Production Cross Section 0.000 To 59.81 %



92

Incident Energy (eV)

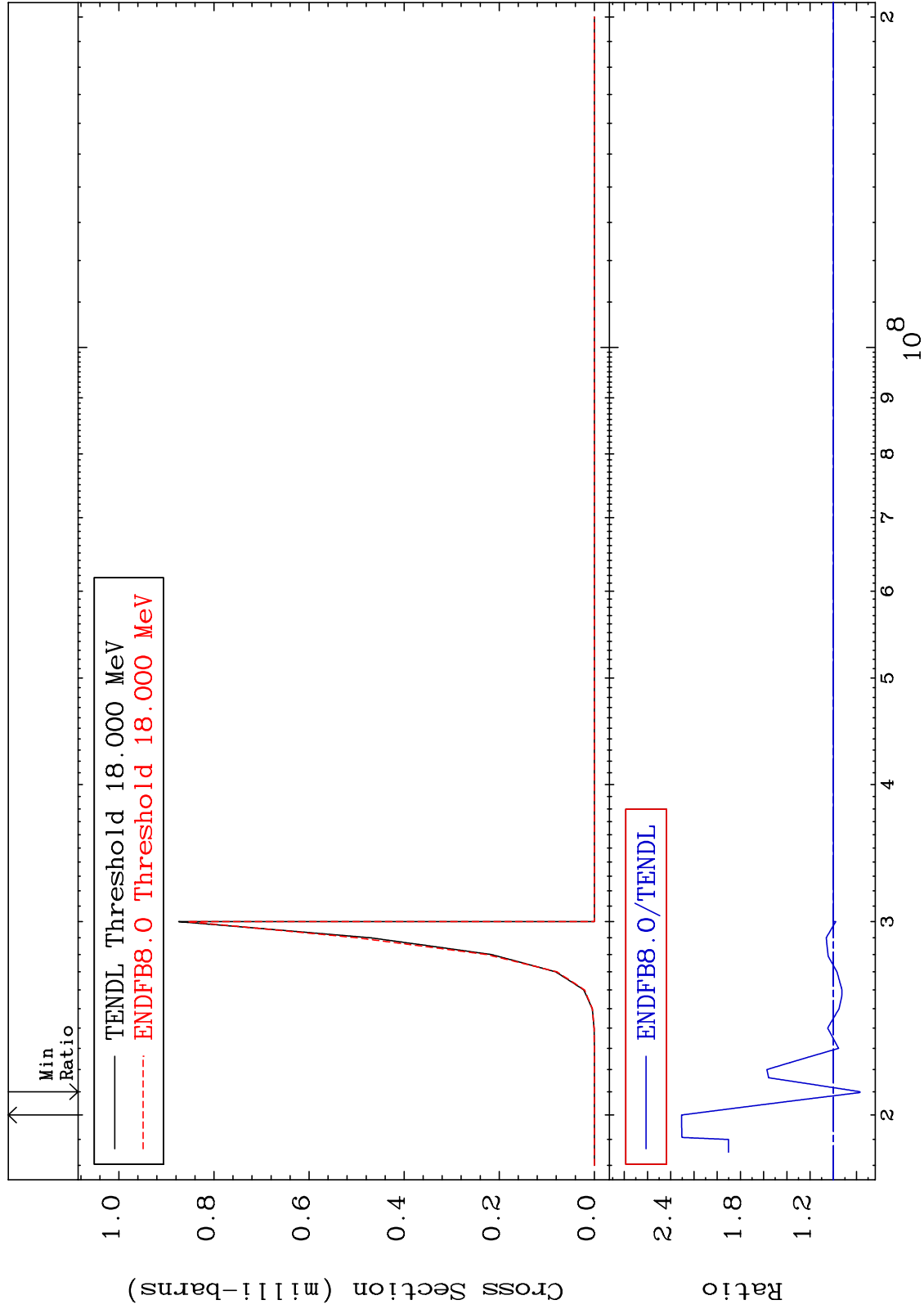
42-Mo-93

MAT 4228

(n, n') He-3:40-Zr-90m3

42-Mo-93

Radionuclide Production Cross Section -23.03 To 130.6 %



93

Incident Energy (eV)

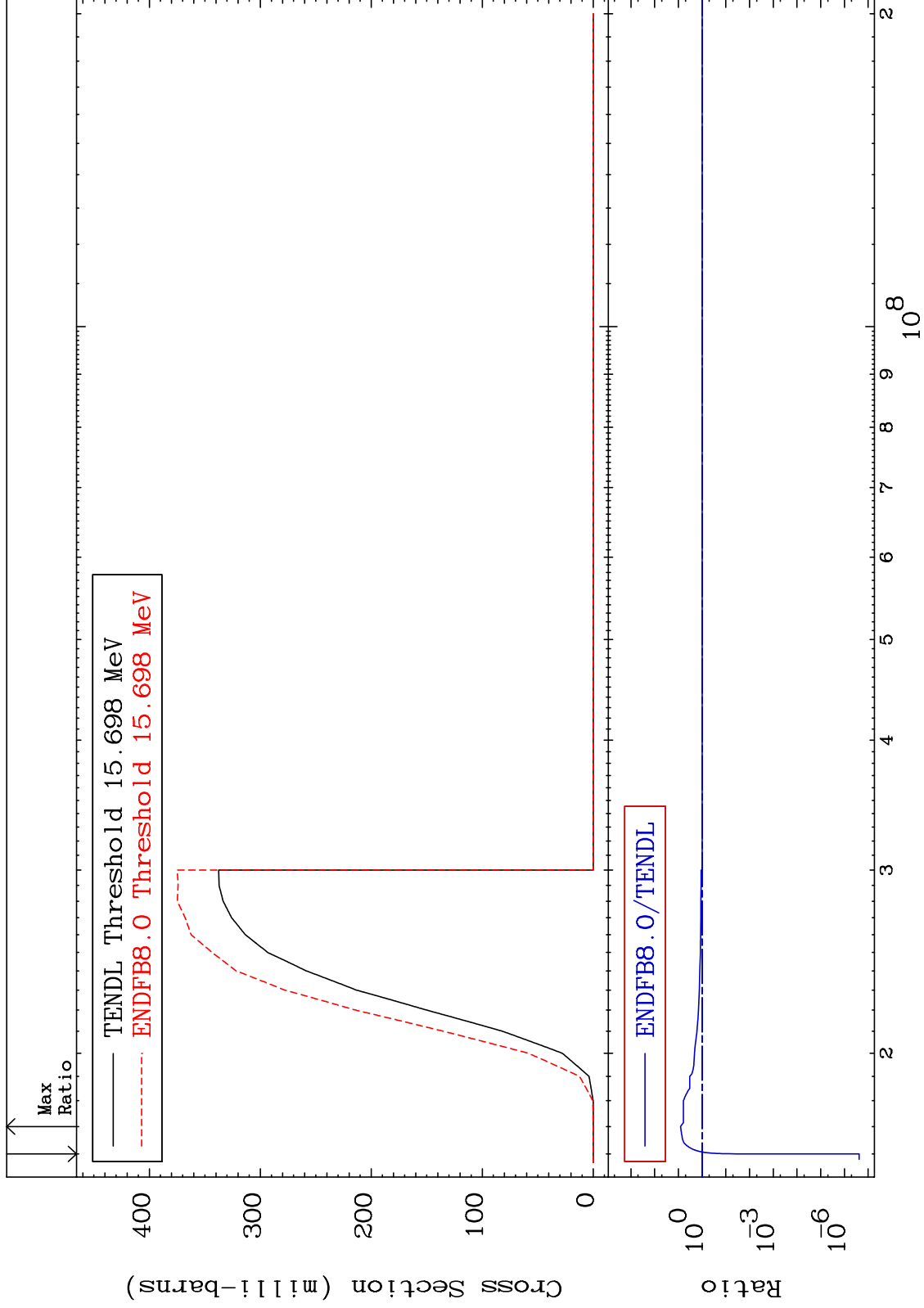
42-Mo-93

MAT 4228

(n,2n) p: 41-Nb-91g

42-Mo-93

Radionuclide Production Cross Section -100.0 To 701.0 %



94

Incident Energy (eV)

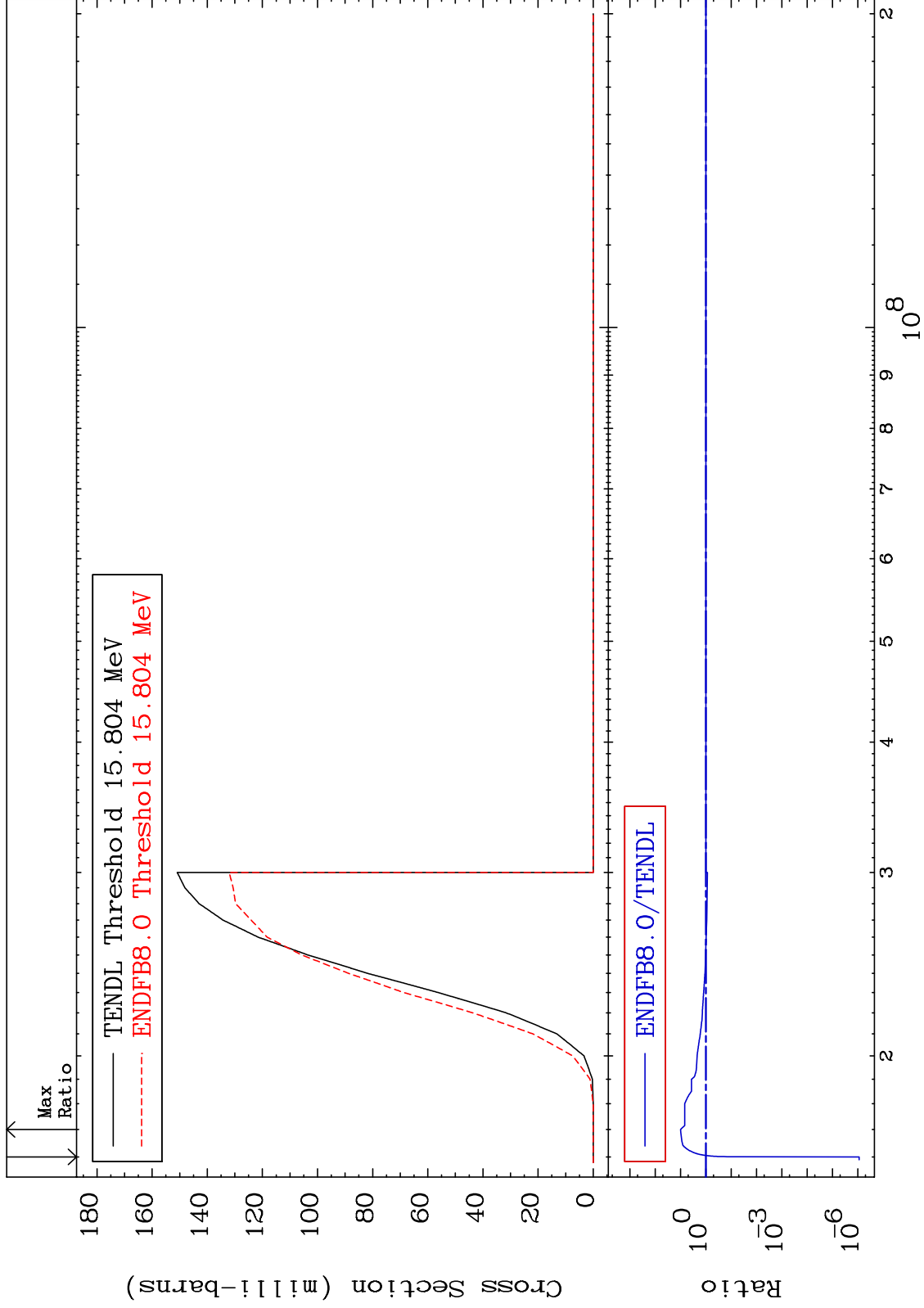
42-Mo-93

MAT 4228

(n,2n) p:41-Nb-91m1

42-Mo-93

Radionuclide Production Cross Section -100.0 To 892.1 %



95

Incident Energy (eV)

42-Mo-93

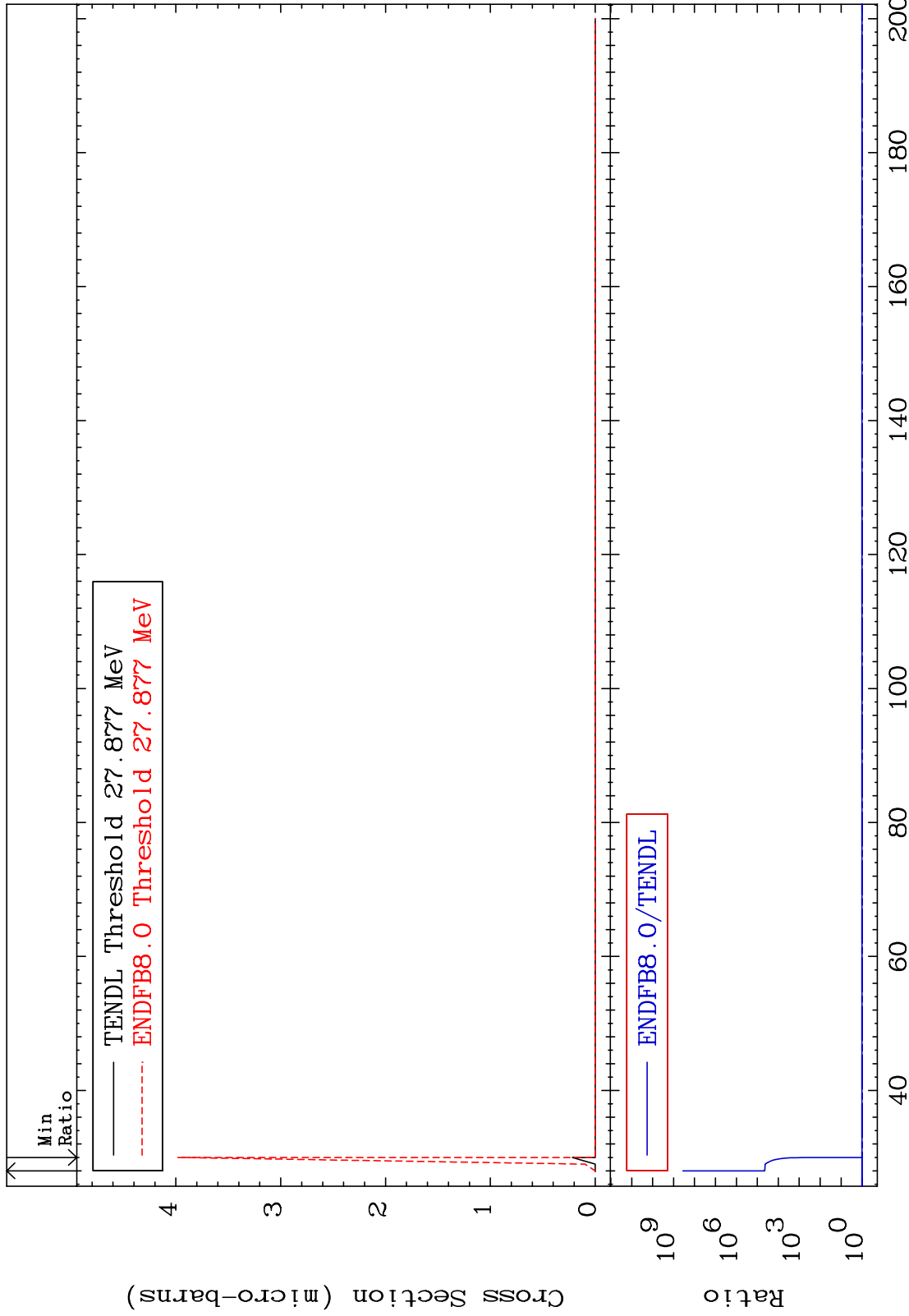


MAT 4228

(n,3n) p:41-Nb-90g

42-Mo-93

Radionuclide Production Cross Section 0.000 To 9999. %

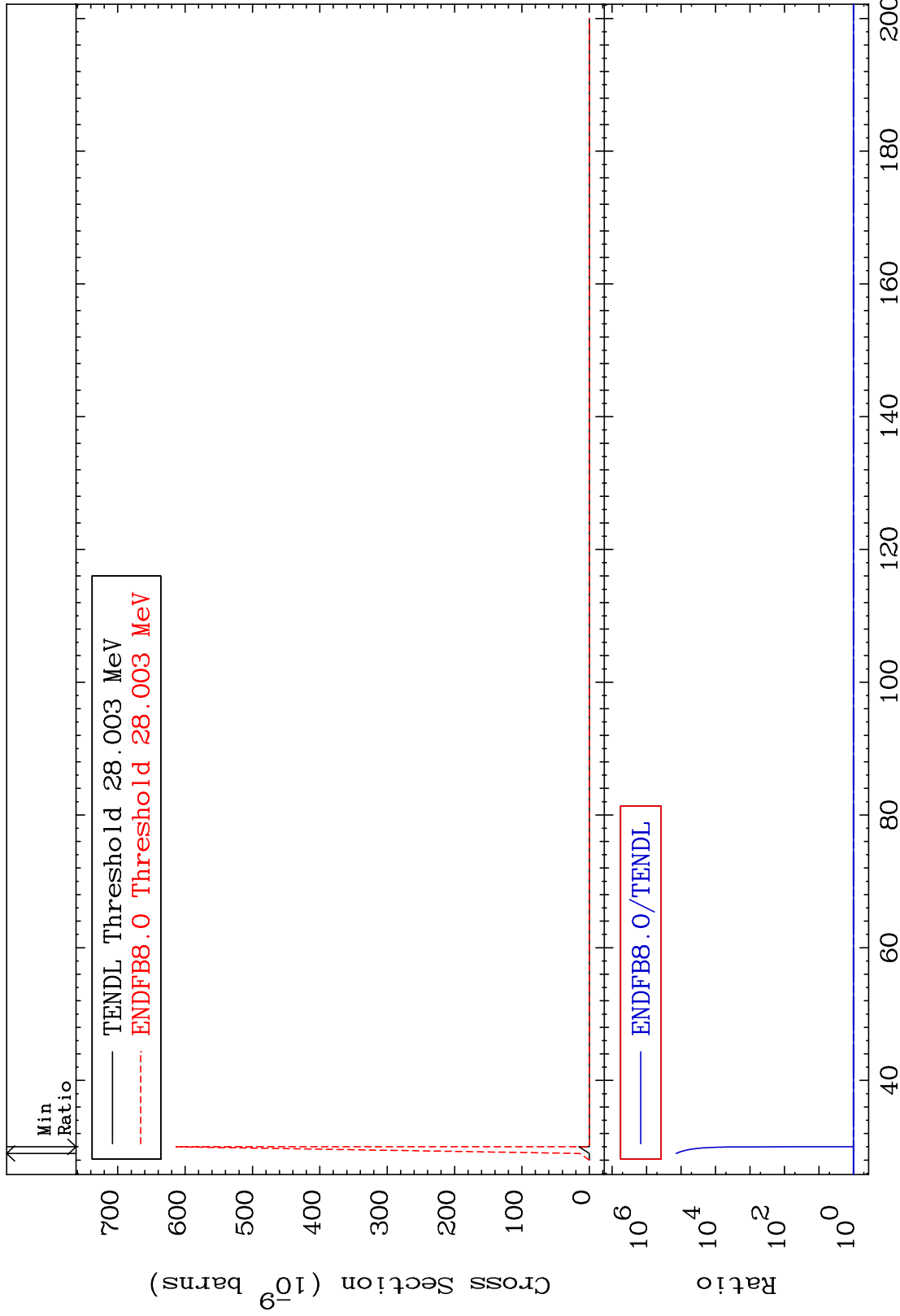


MAT 4228

(n,3n) p:41-Nb-90m2

42-Mo-93

Radionuclide Production Cross Section 0.000 To 9999. %



97

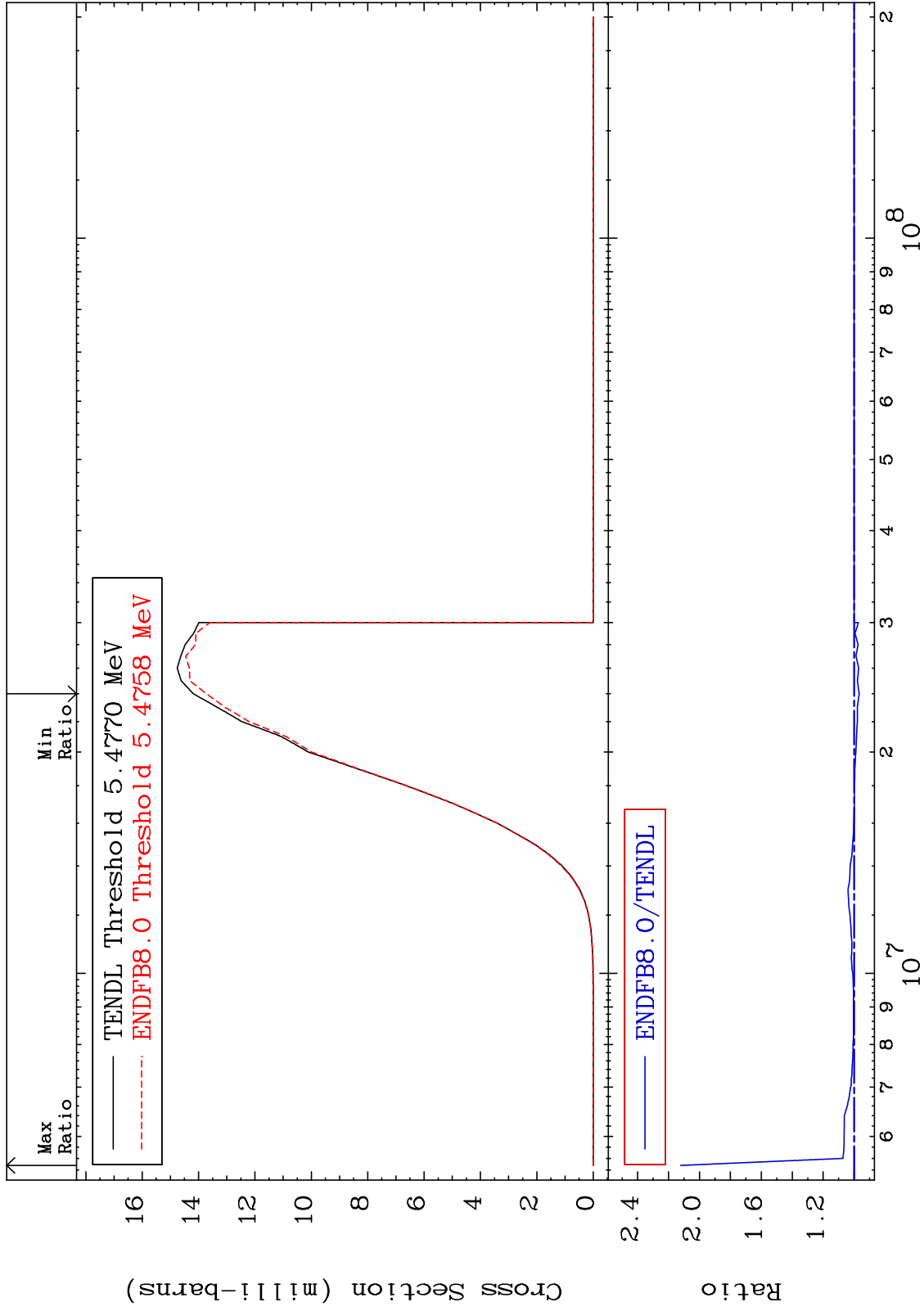
42-Mo-93

MAT 4228

42-Mo-93

(n,d):41-Nb-92g

Radionuclide Production Cross Section -3.267 To 112.2 %



98

Incident Energy (eV)

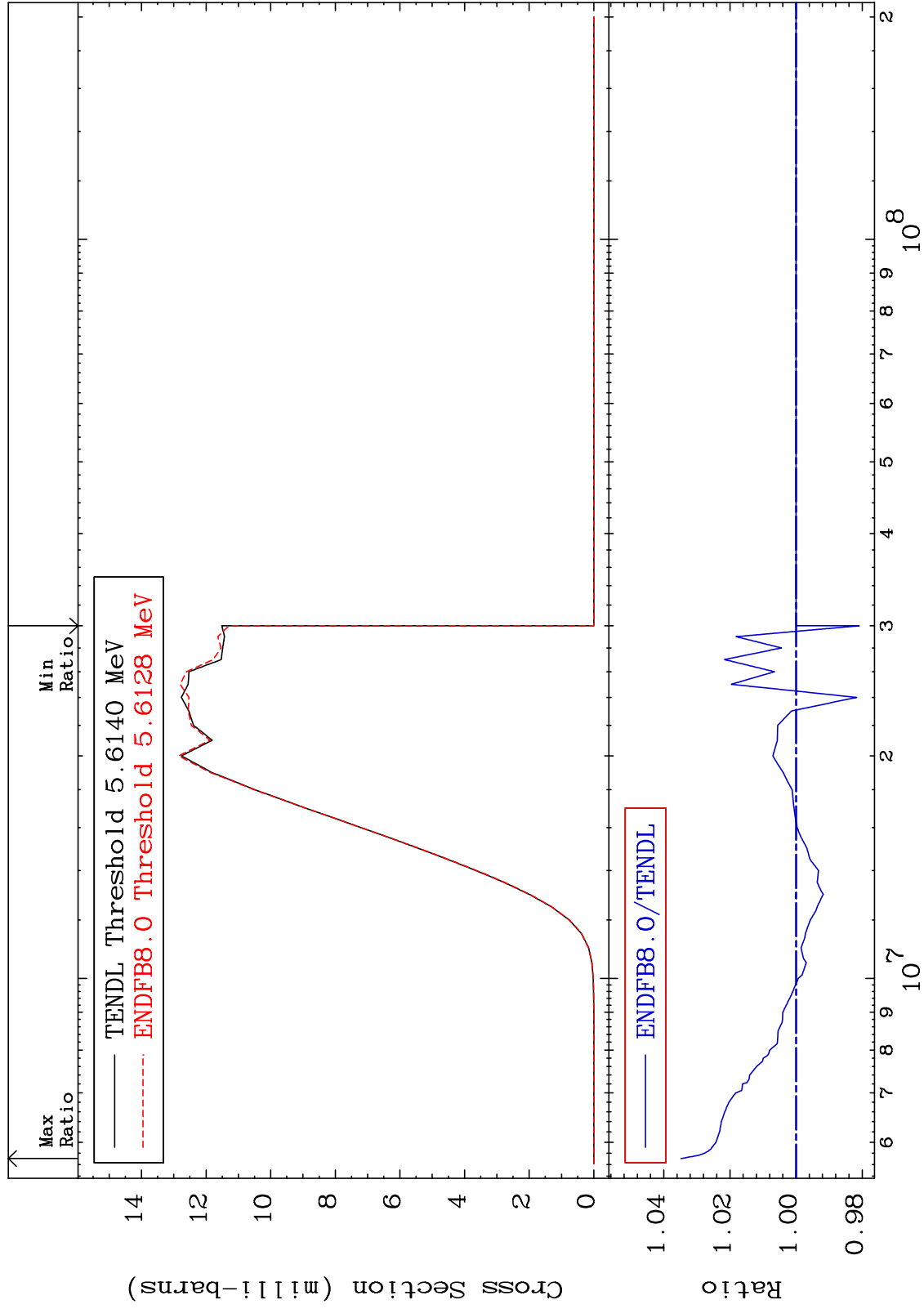
42-Mo-93

MAT 4228

(n, d) : 41-Nb-92m1

42-Mo-93

Radionuclide Production Cross Section -1.912 To 3.478 %



99

Incident Energy (eV)

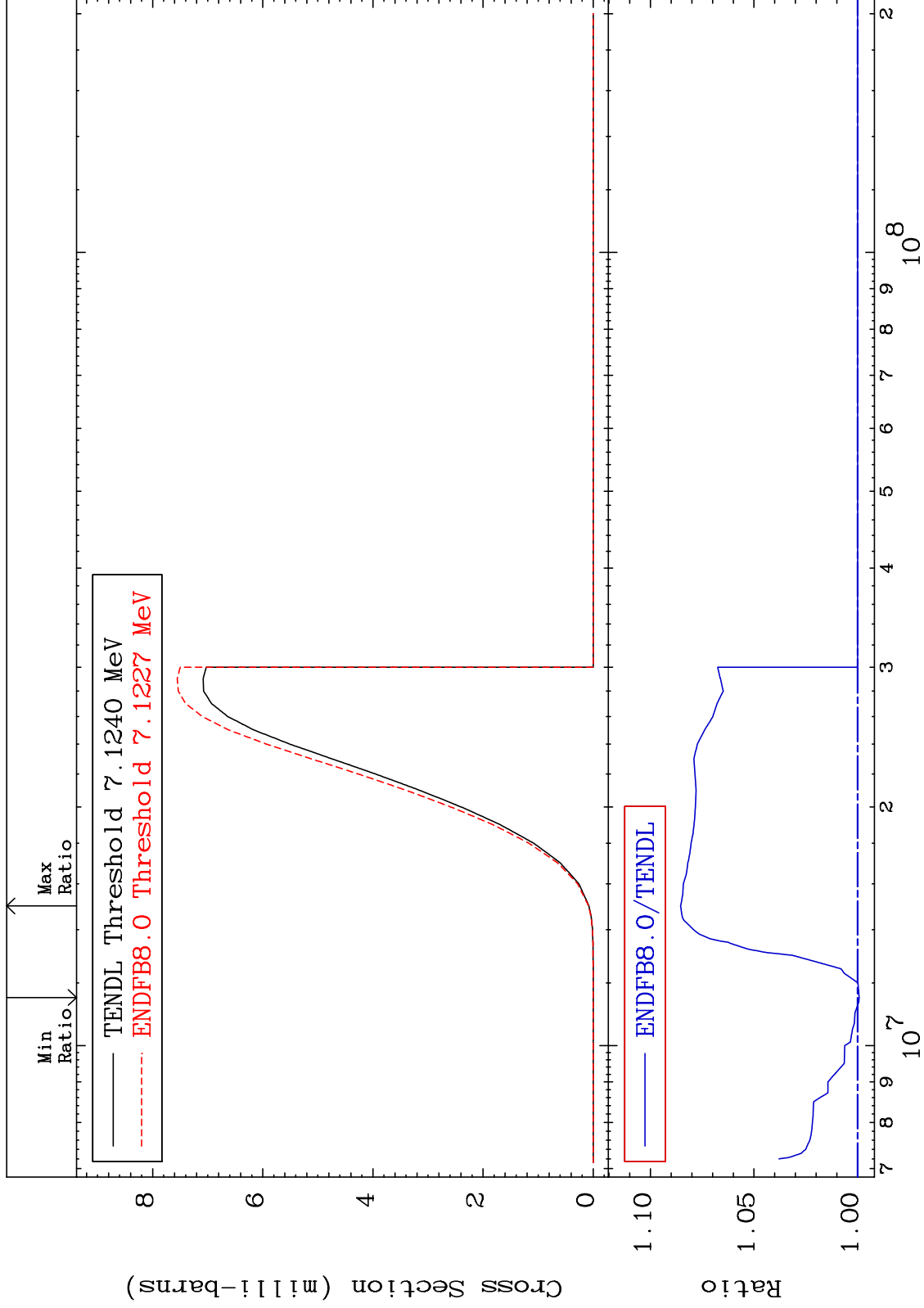
42-Mo-93

MAT 4228

(n, t) : 41-Nb-91g

42-Mo-93

Radionuclide Production Cross Section -0.077 To 8.543 %



100

Incident Energy (eV)

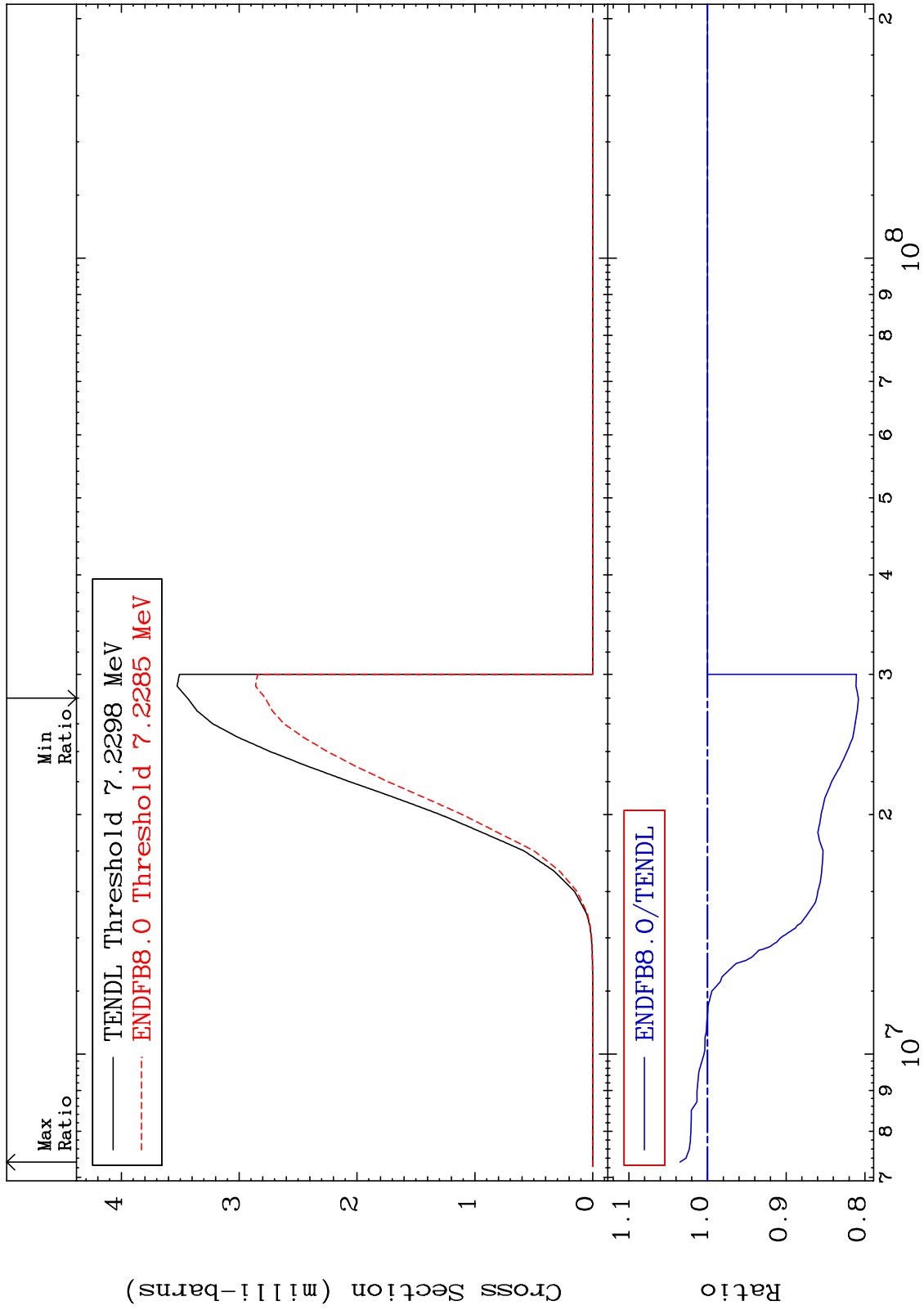
42-Mo-93

MAT 4228

(n, t): 41-Nb-91m1

42-Mo-93

Radionuclide Production Cross Section -19.18 To 3.498 %

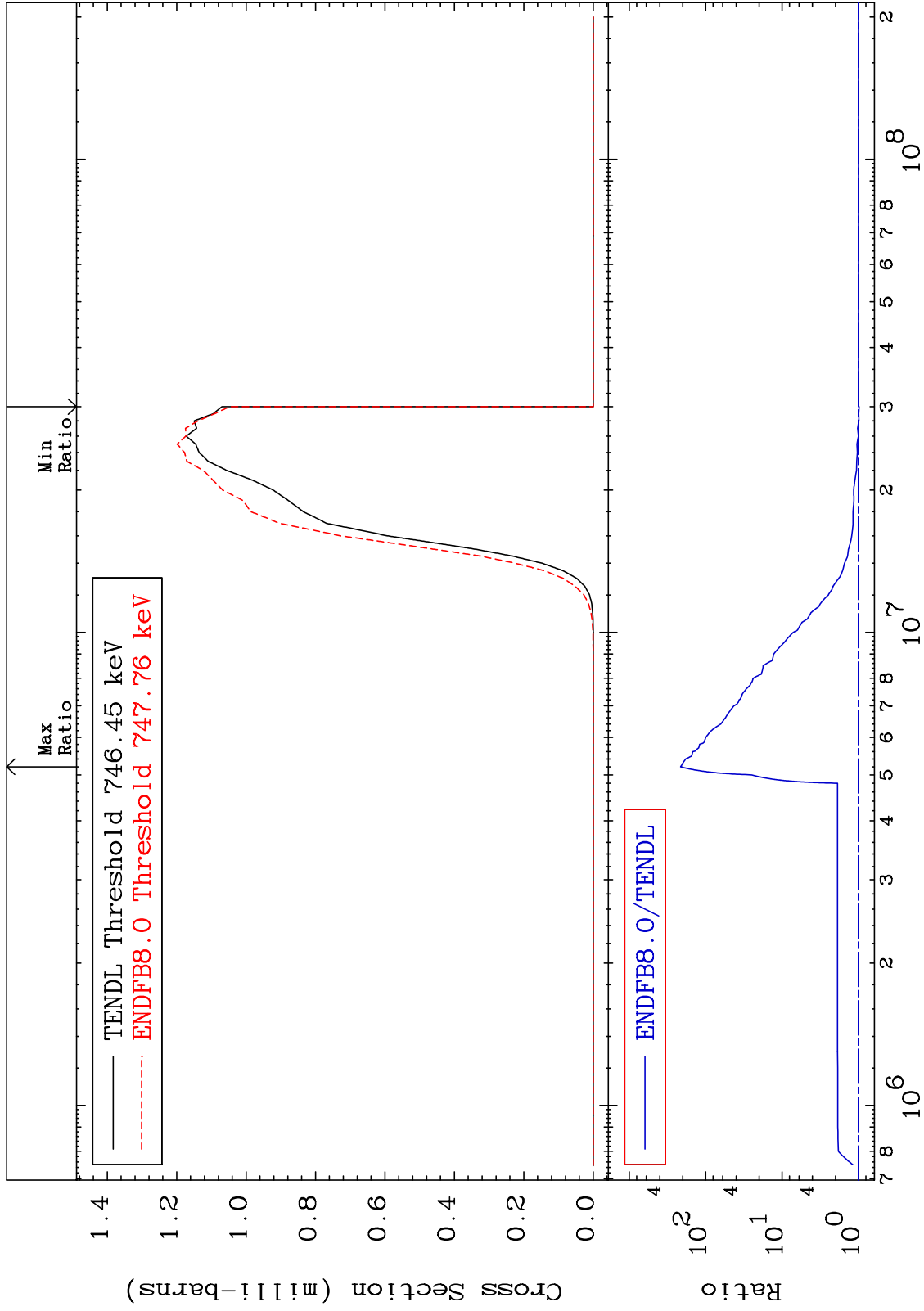


MAT 4228

(n,p)  $\alpha$ :39-Y -89g

42-Mo-93

Radionuclide Production Cross Section -2.025 To 9999. %



102

Incident Energy (eV)

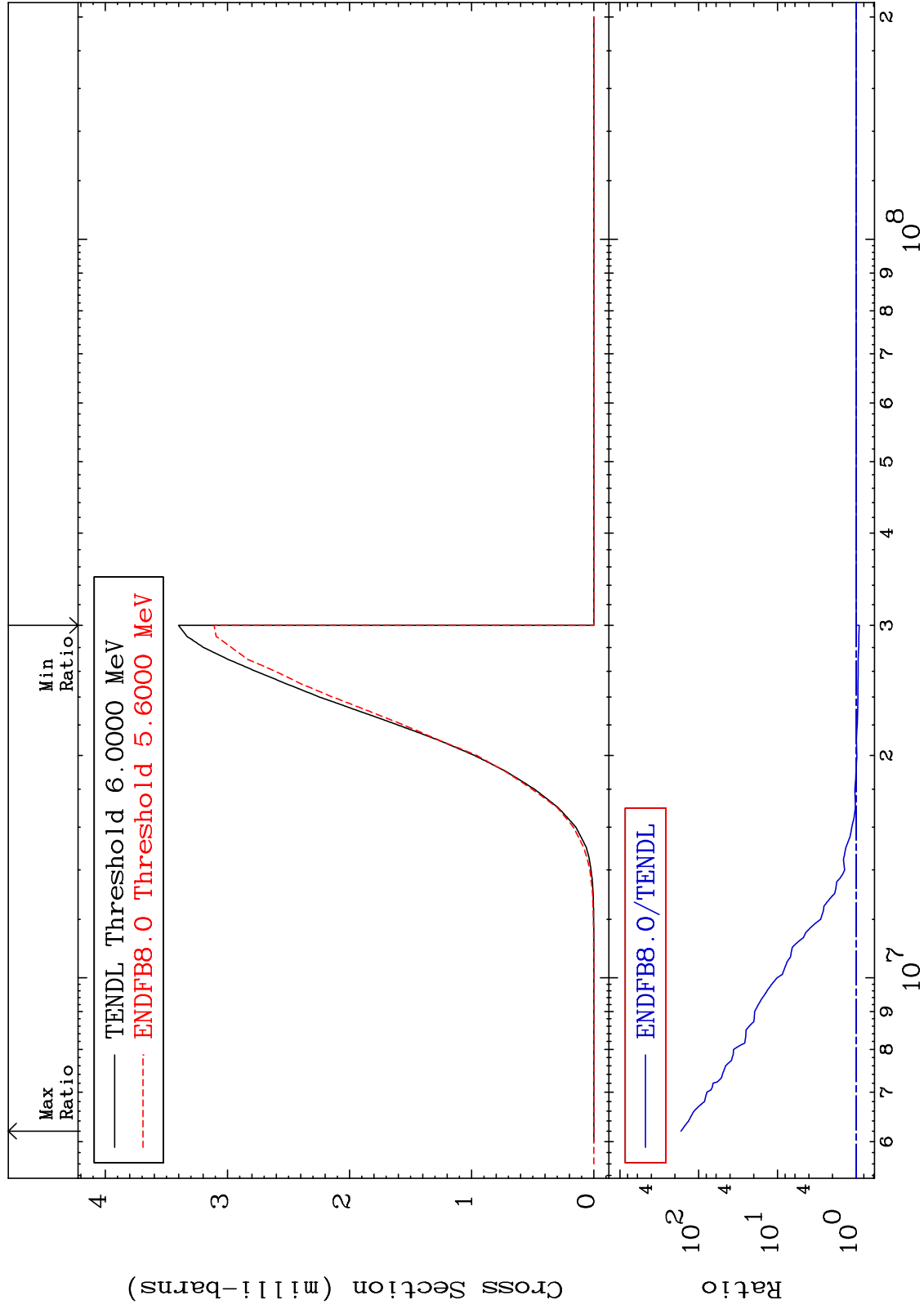
42-Mo-93

MAT 4228

(n, p)  $\alpha$ :39-Y -89m1

42-Mo-93

Radionuclide Production Cross Section -8.570 To 9999. %



103

42-Mo-93

42-Mo-93

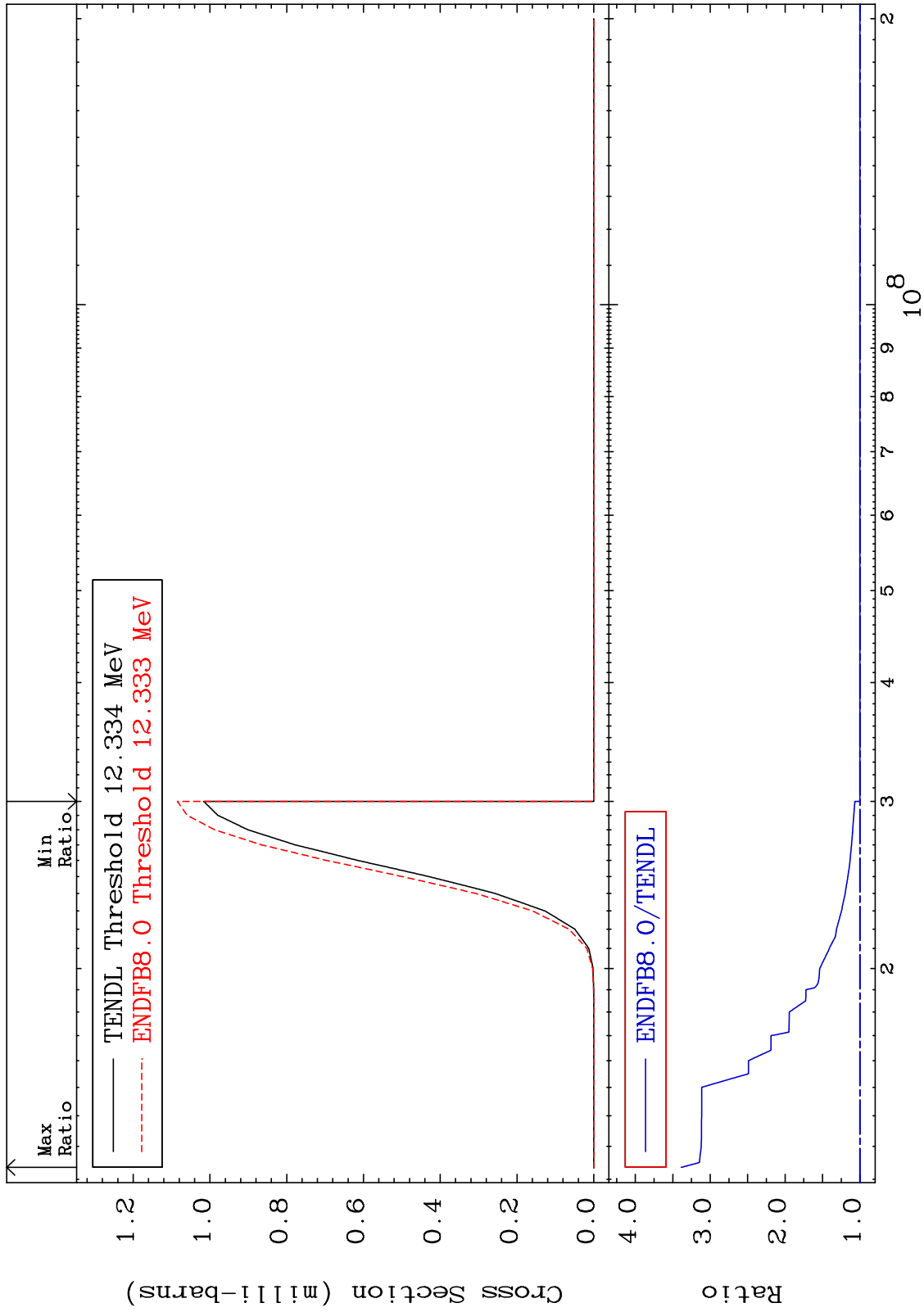


MAT 4228

(n,p) t:40-Zr-90g

42-Mo-93

Radionuclide Production Cross Section 0.000 To 238.7 %

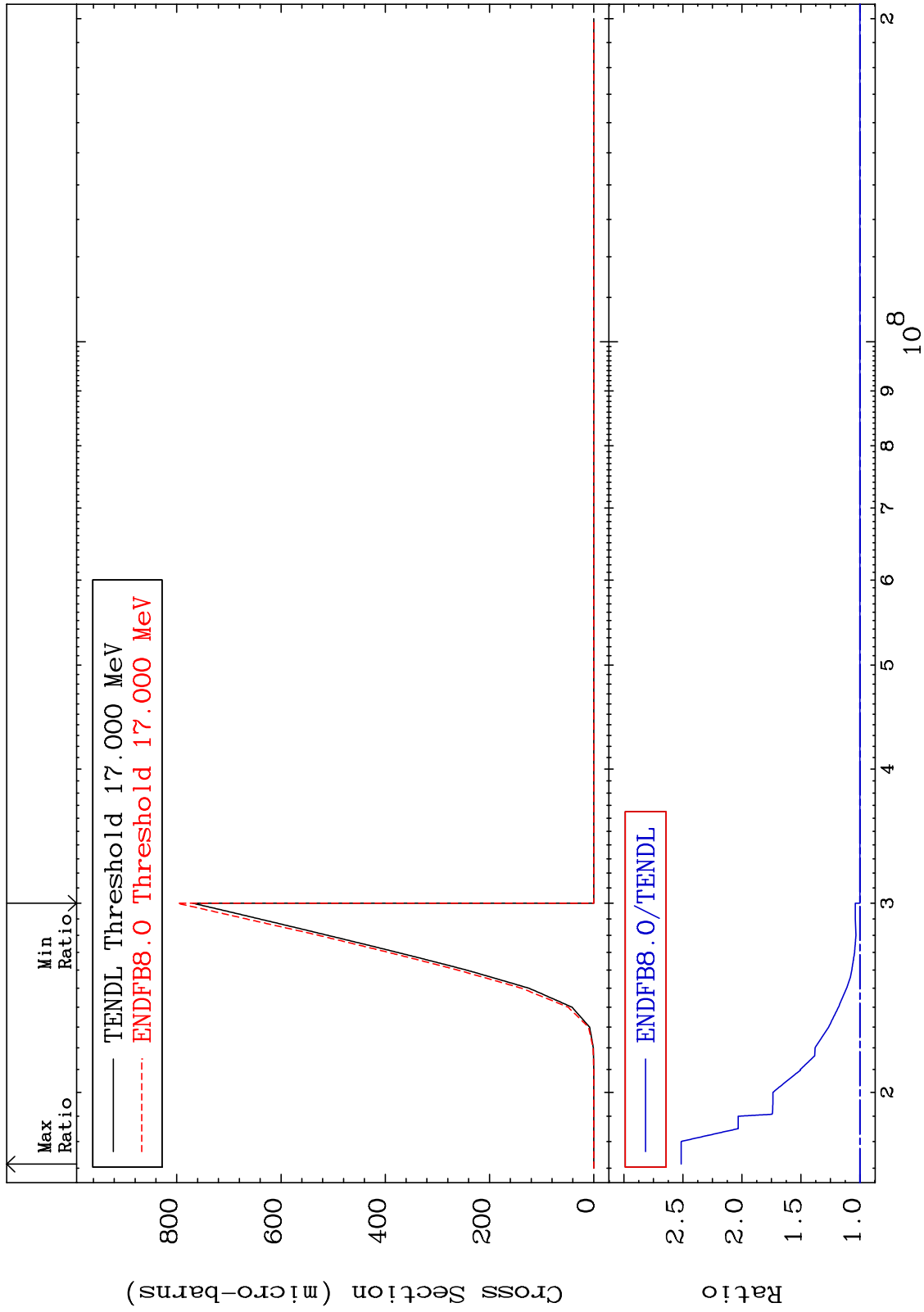


MAT 4228

(n, p) t: 40-Zr-90m3

42-Mo-93

Radionuclide Production Cross Section 0.000 To 151.4 %



105

Incident Energy (eV)

42-Mo-93