

Program Complot
(Version 2018-1)

by

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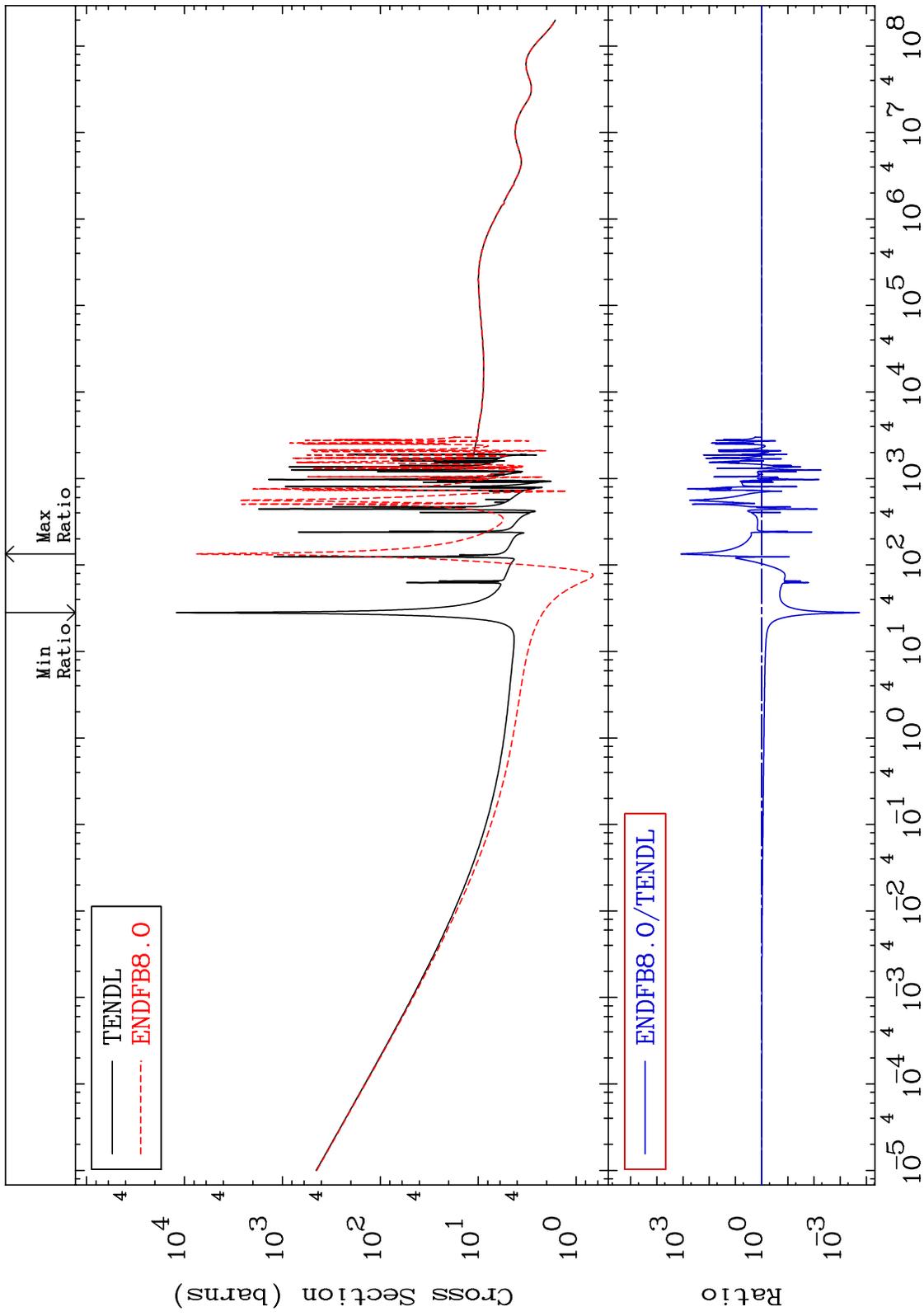
Press Mouse Button to Start

MAT 4228

Total
Cross Section

42-Mo-93

-99.98 To 9999. %



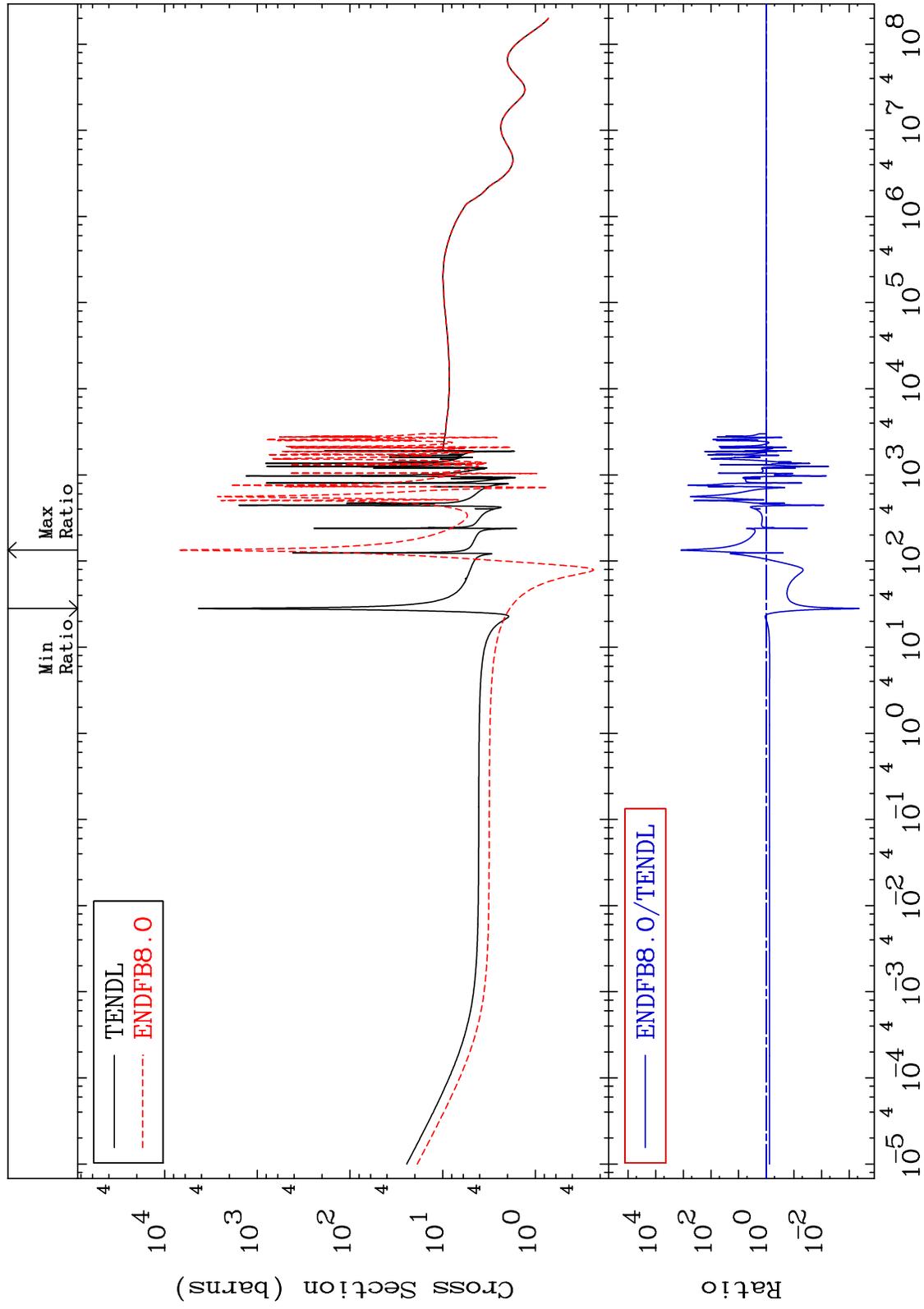
1

42-Mo-93

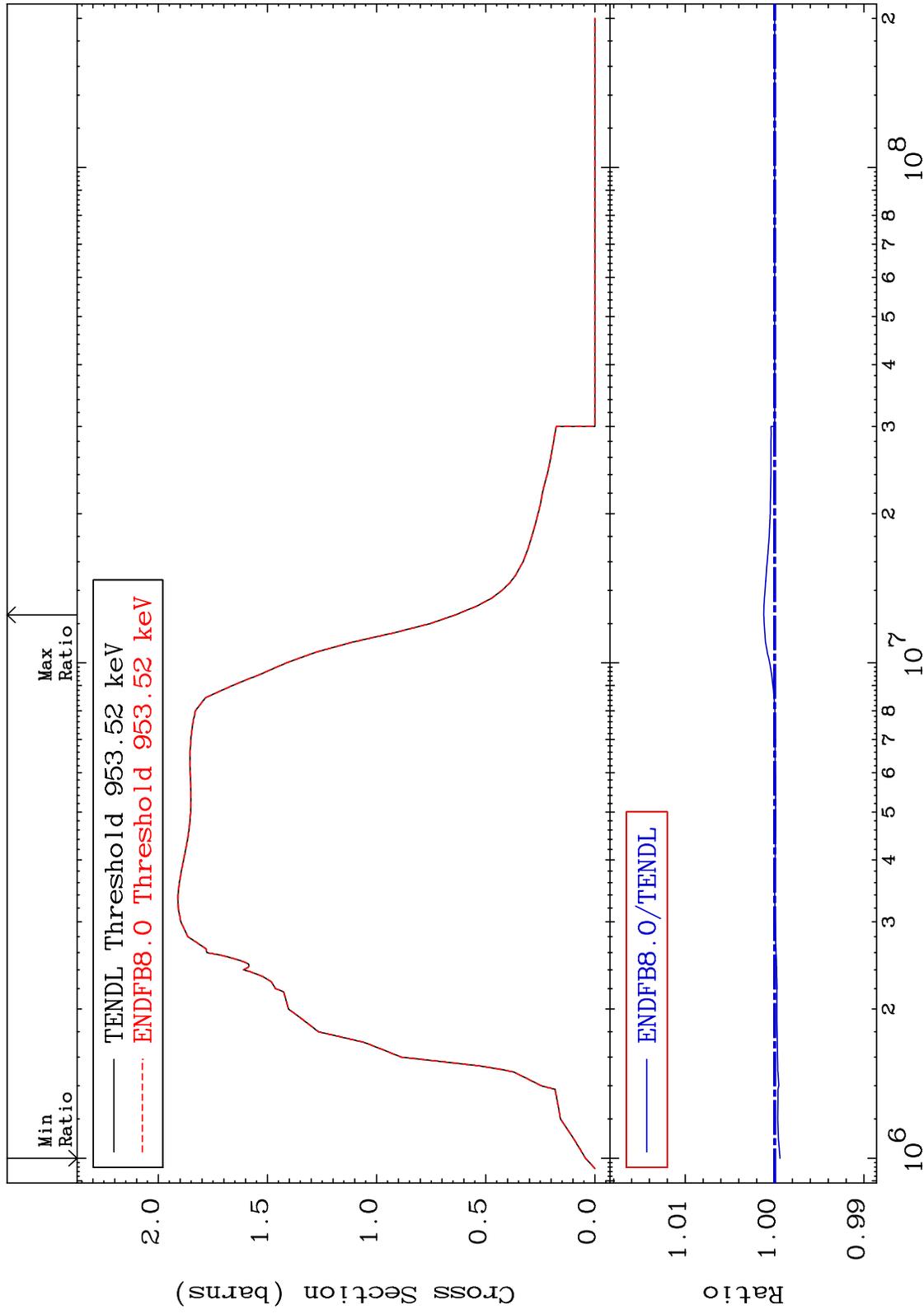
MAT 4228

Elastic
Cross Section

42-Mo-93
-99.96 To 9999. %

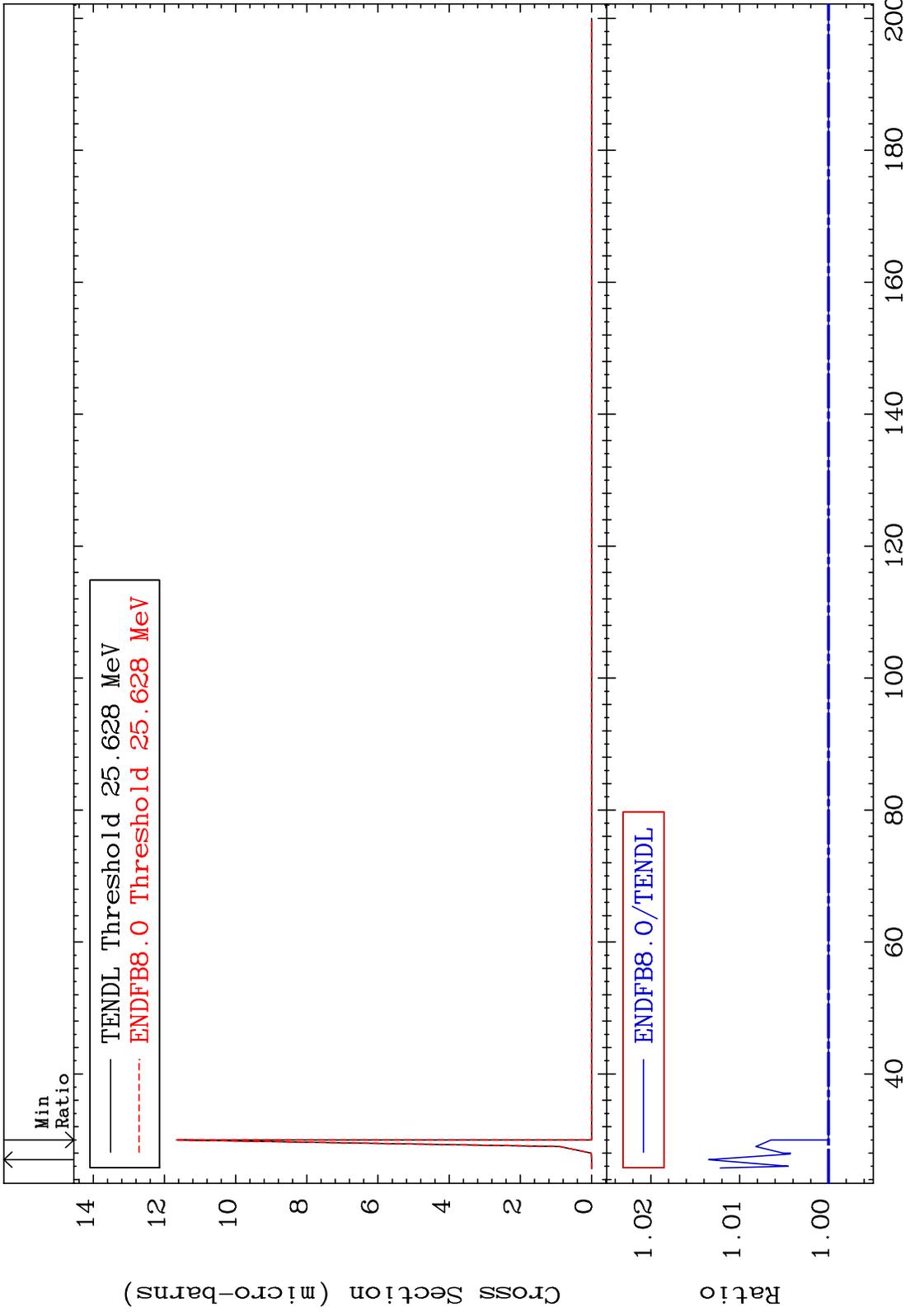


MAT 4228 42-Mo-93 Inelastic Cross Section -0.060 To 0.121 %

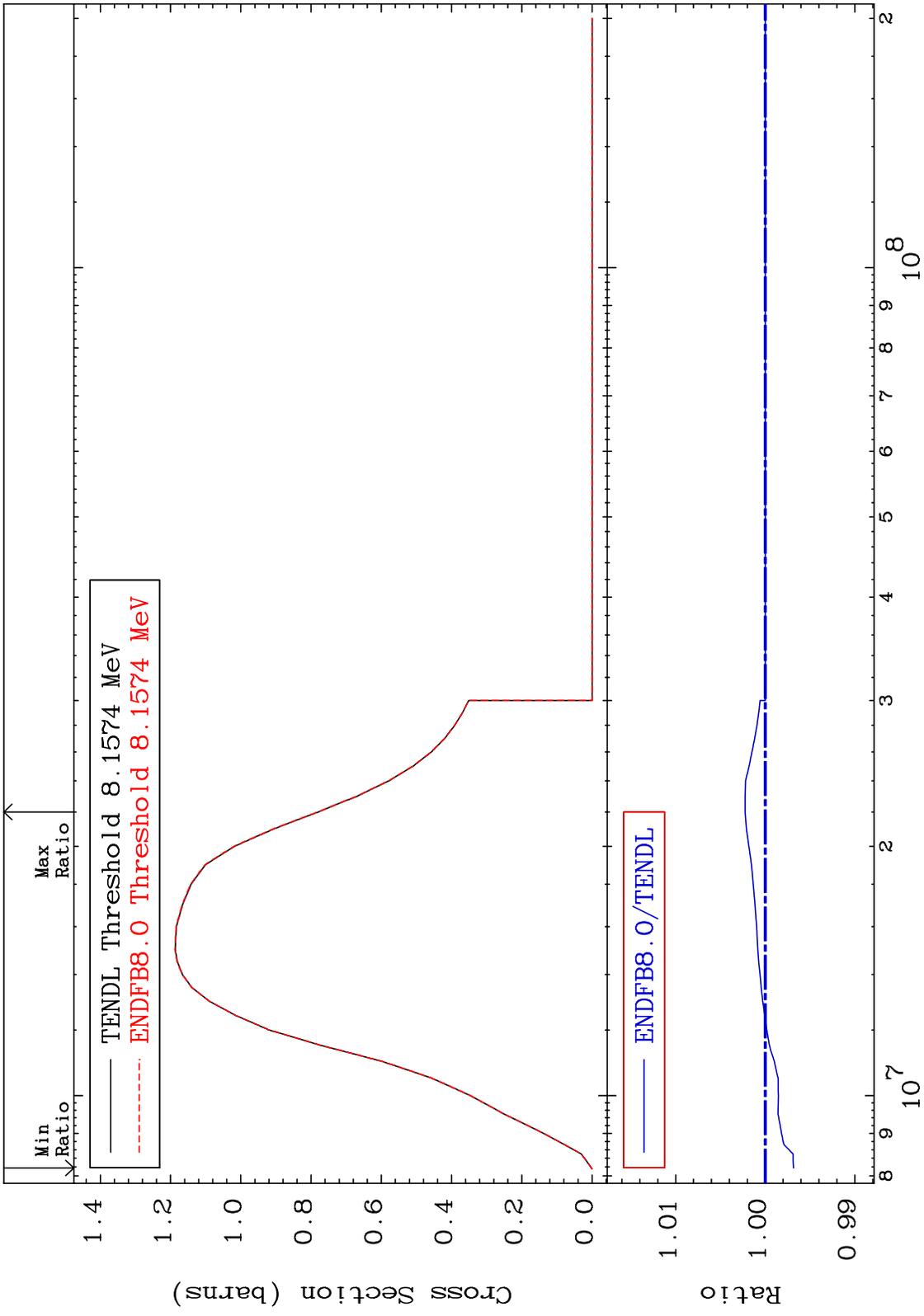


42-Mo-93 Incident Energy (eV)

MAT 4228 (n,2n) d 42-Mo-93
Cross Section 0.000 To 1.348 %

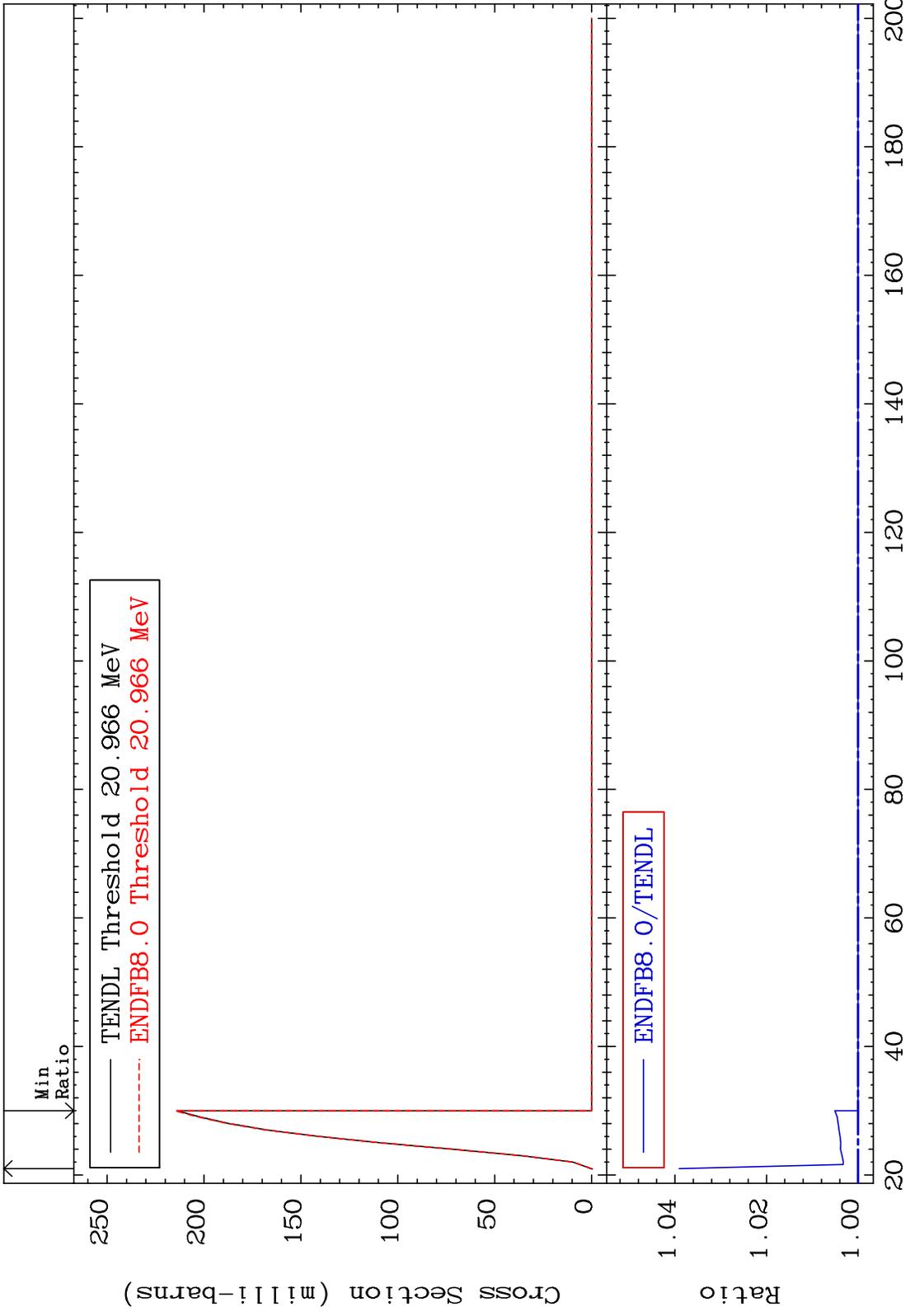


MAT 4228 (n,2n) Cross Section 42-Mo-93 -0.316 To 0.225 %

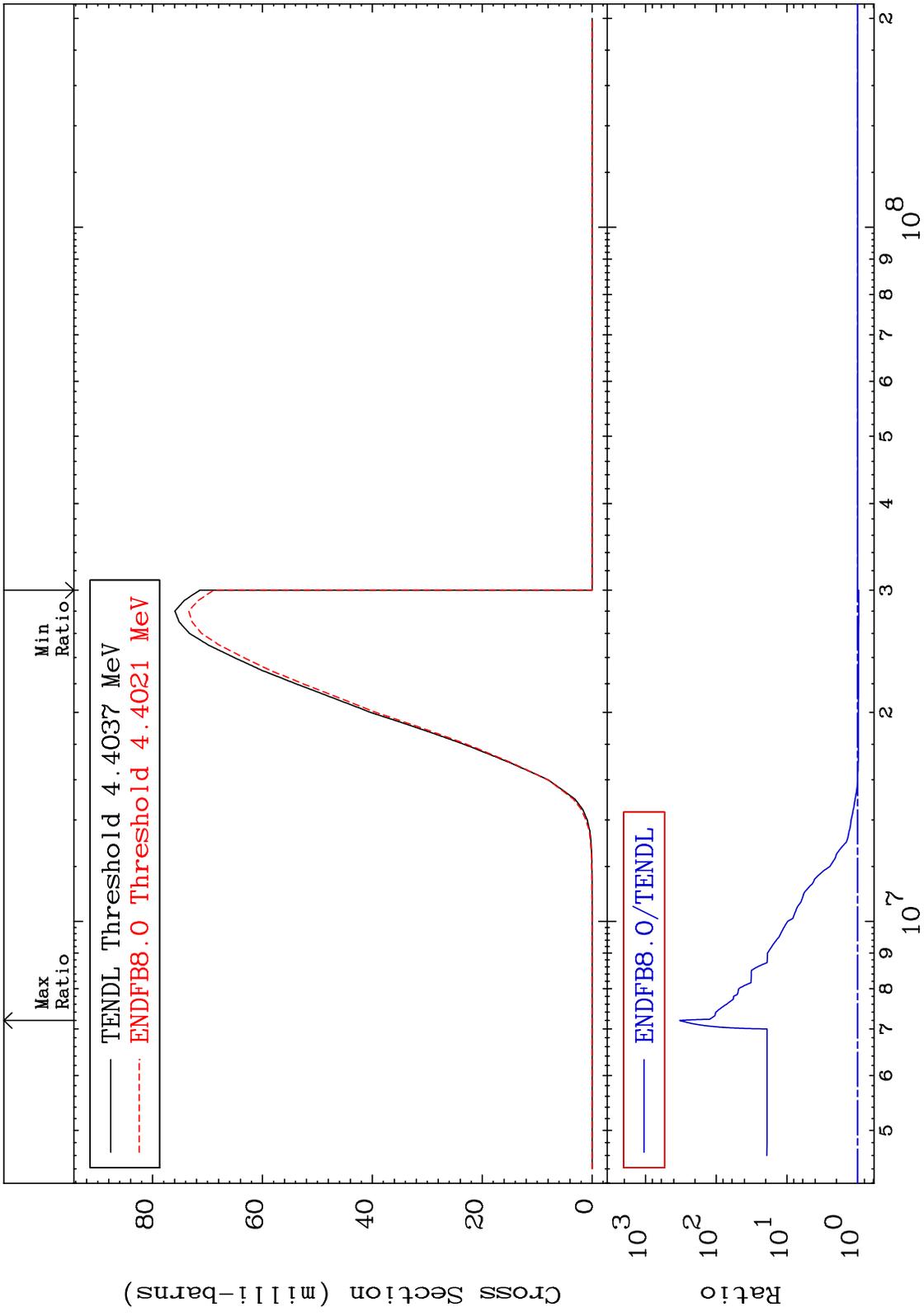


42-Mo-93

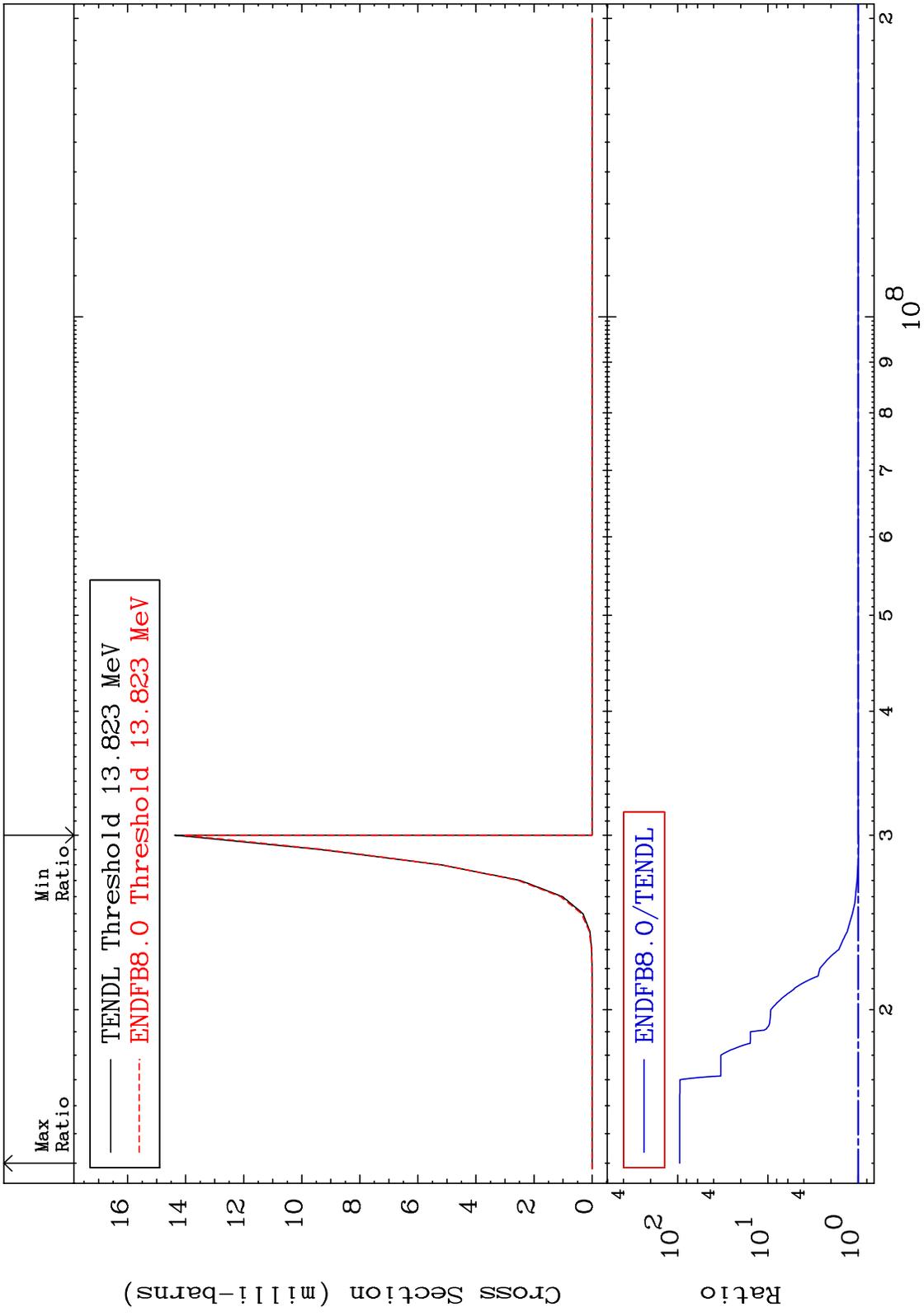
MAT 4228 (n,3n) Cross Section 42-Mo-93 To 3.908 %



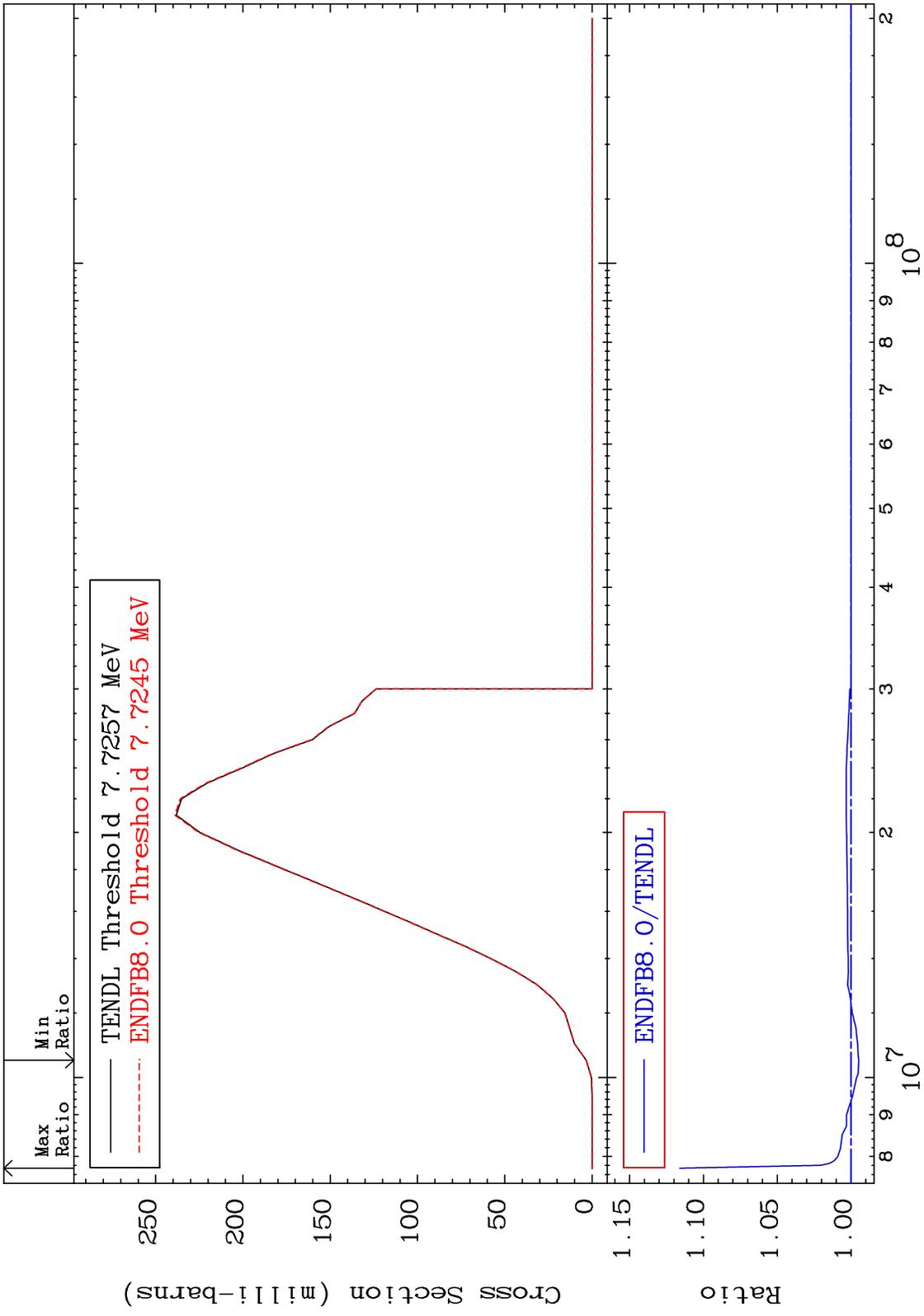
MAT 4228 (n,n') α 42-Mo-93
 Cross Section -3.545 To 9999. %



MAT 4228 (n,2n) α 42-Mo-93
 Cross Section -1.964 To 9397. %



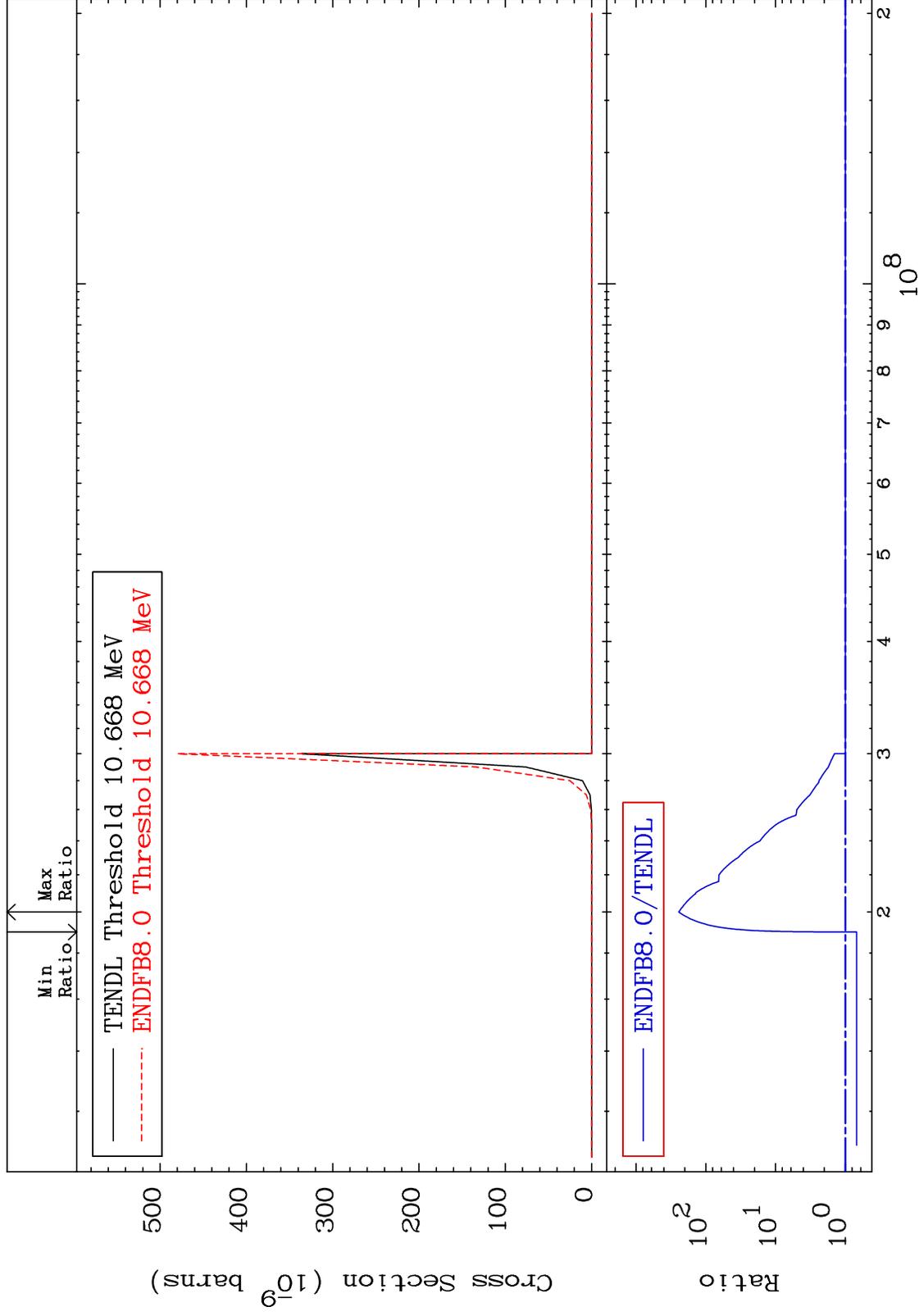
MAT 4228 (n,n') p Cross Section 42-Mo-93 -0.526 To 11.60 %



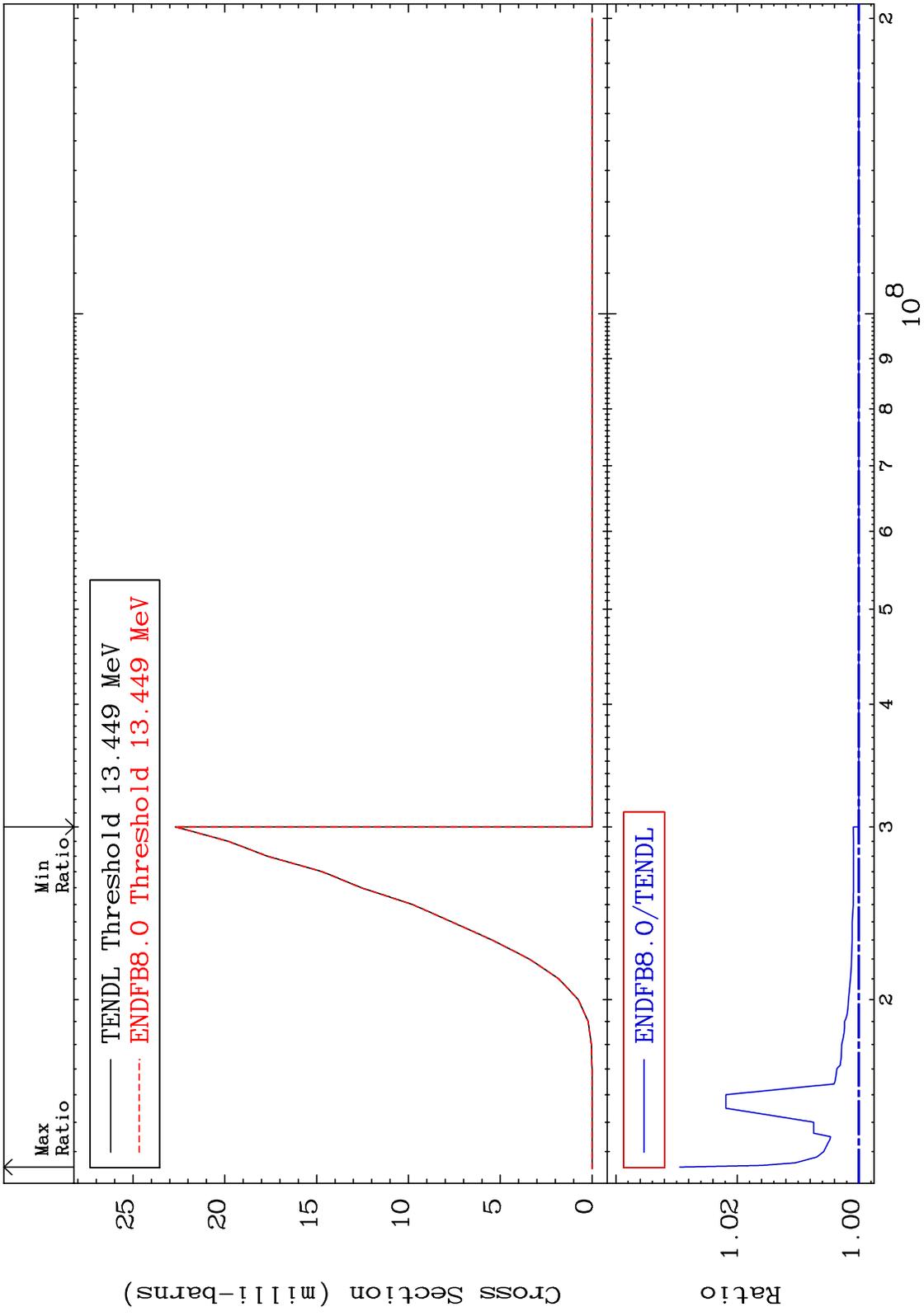
MAT 4228

(n,n') 2α
Cross Section

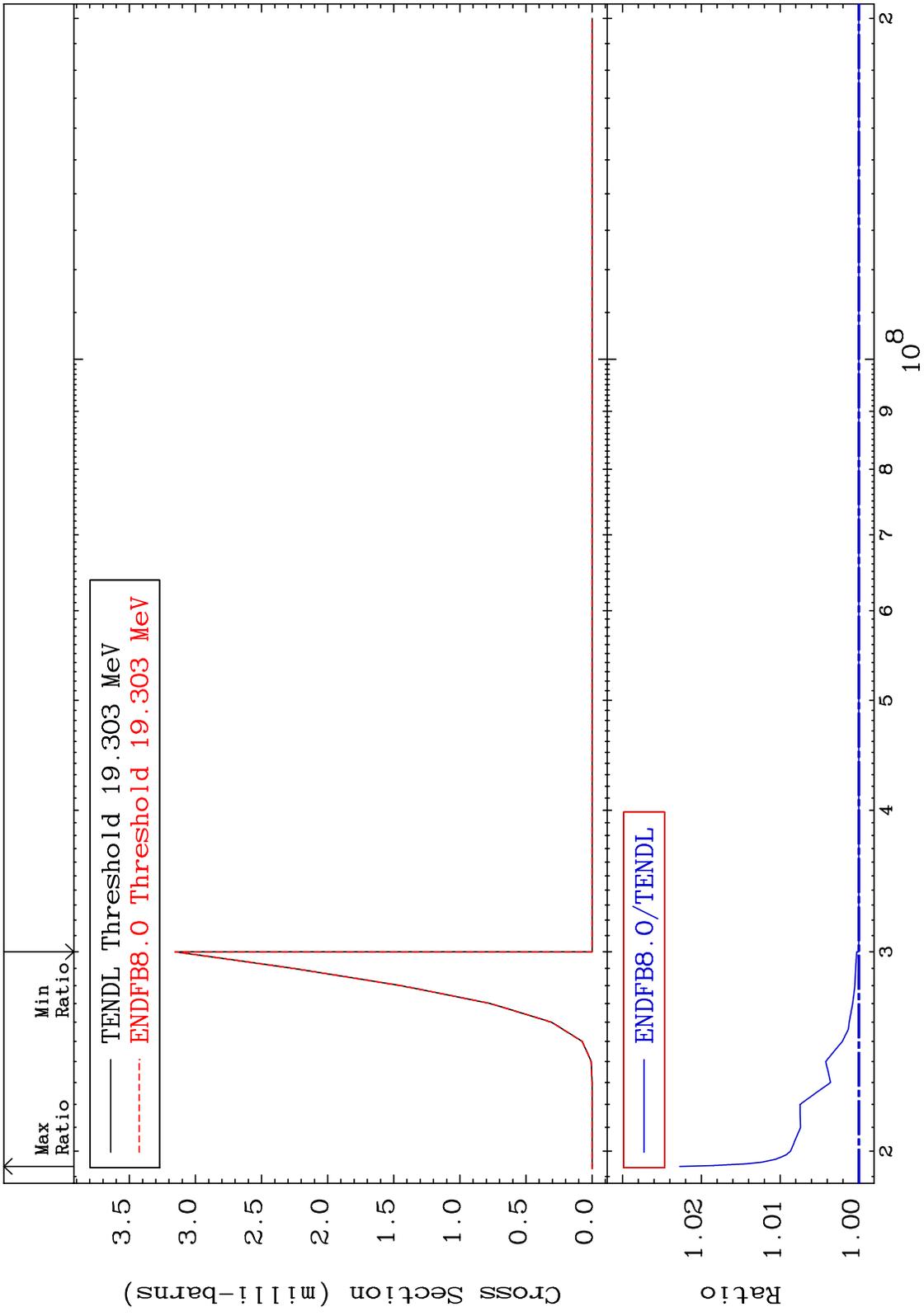
42-Mo-93
-31.30 To 9999. %



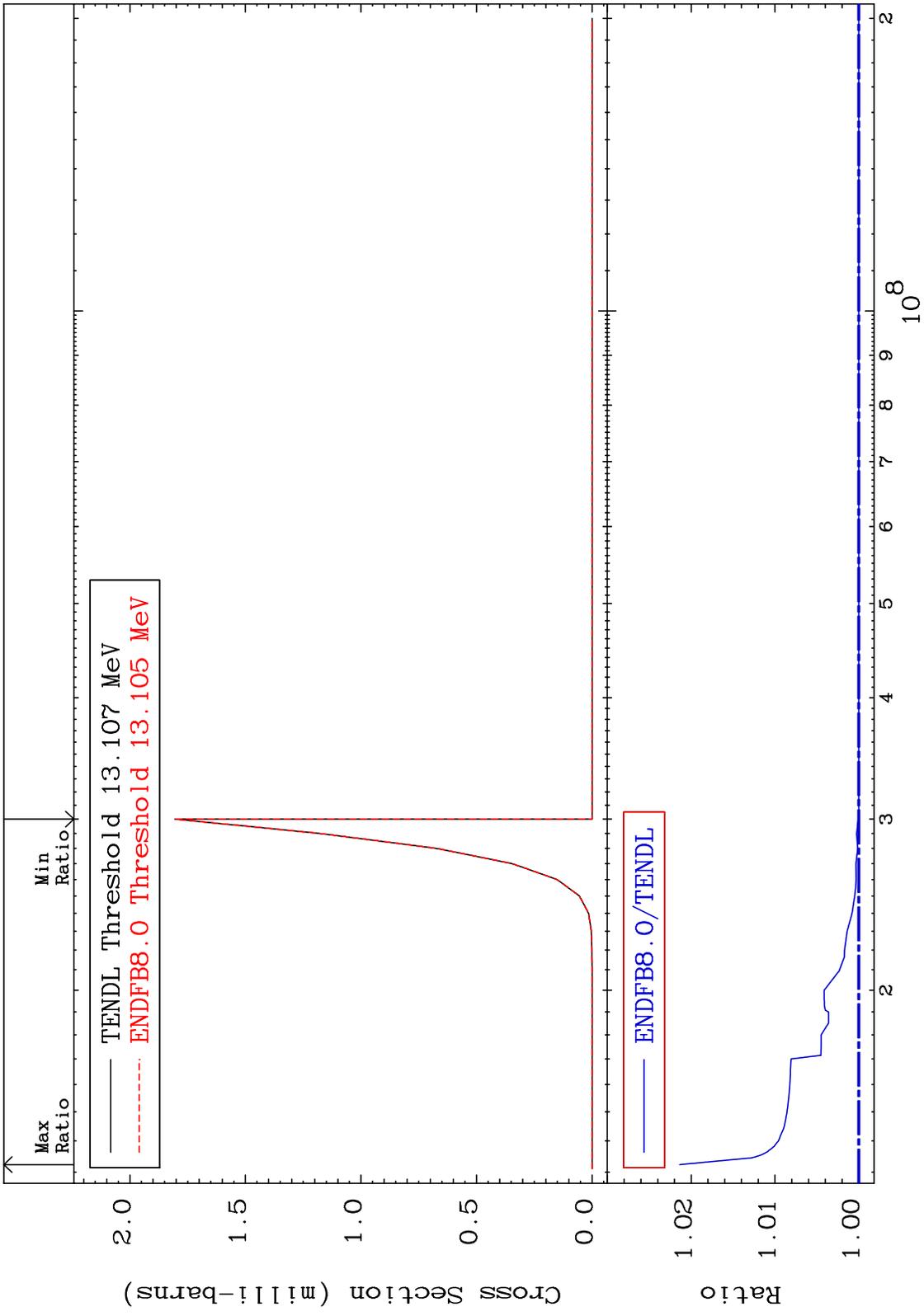
MAT 4228 (n,n') d 42-Mo-93
 Cross Section 0.000 To 2.948 %



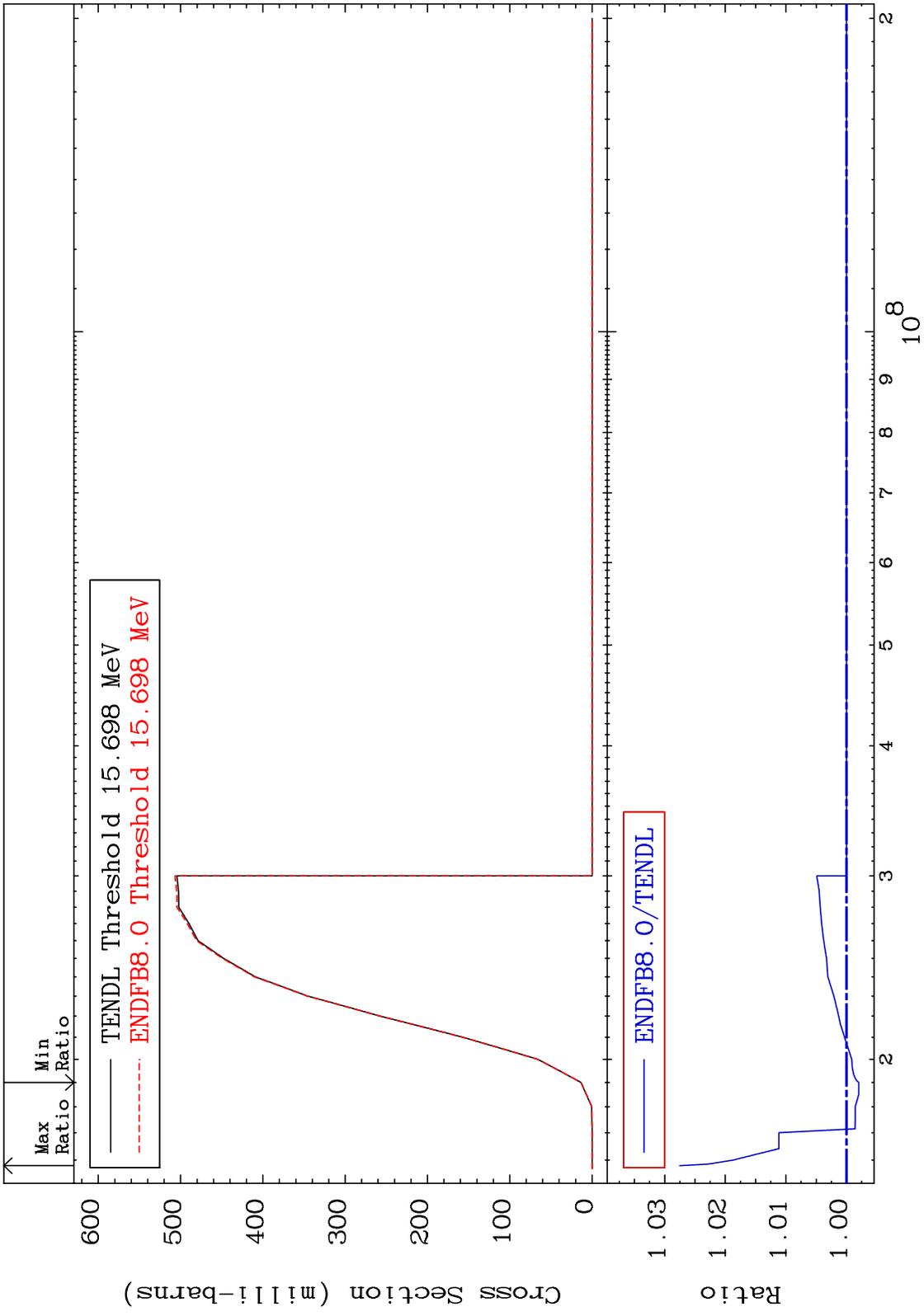
MAT 4228 (n,n') t 42-Mo-93
 Cross Section 0.000 To 2.274 %



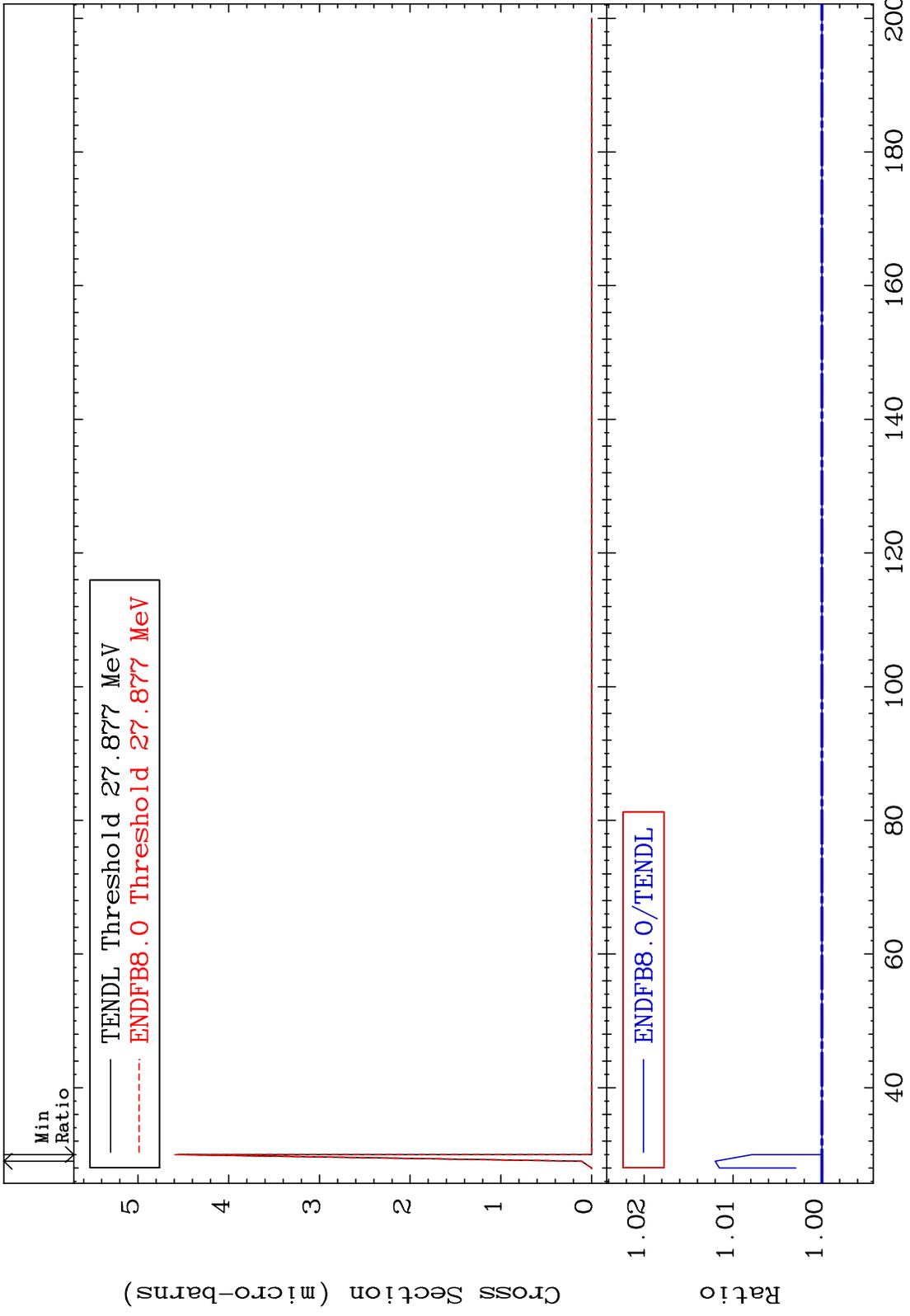
MAT 4228 (n, n') He-3 Cross Section 42-Mo-93 To 2.137 %
 0.000



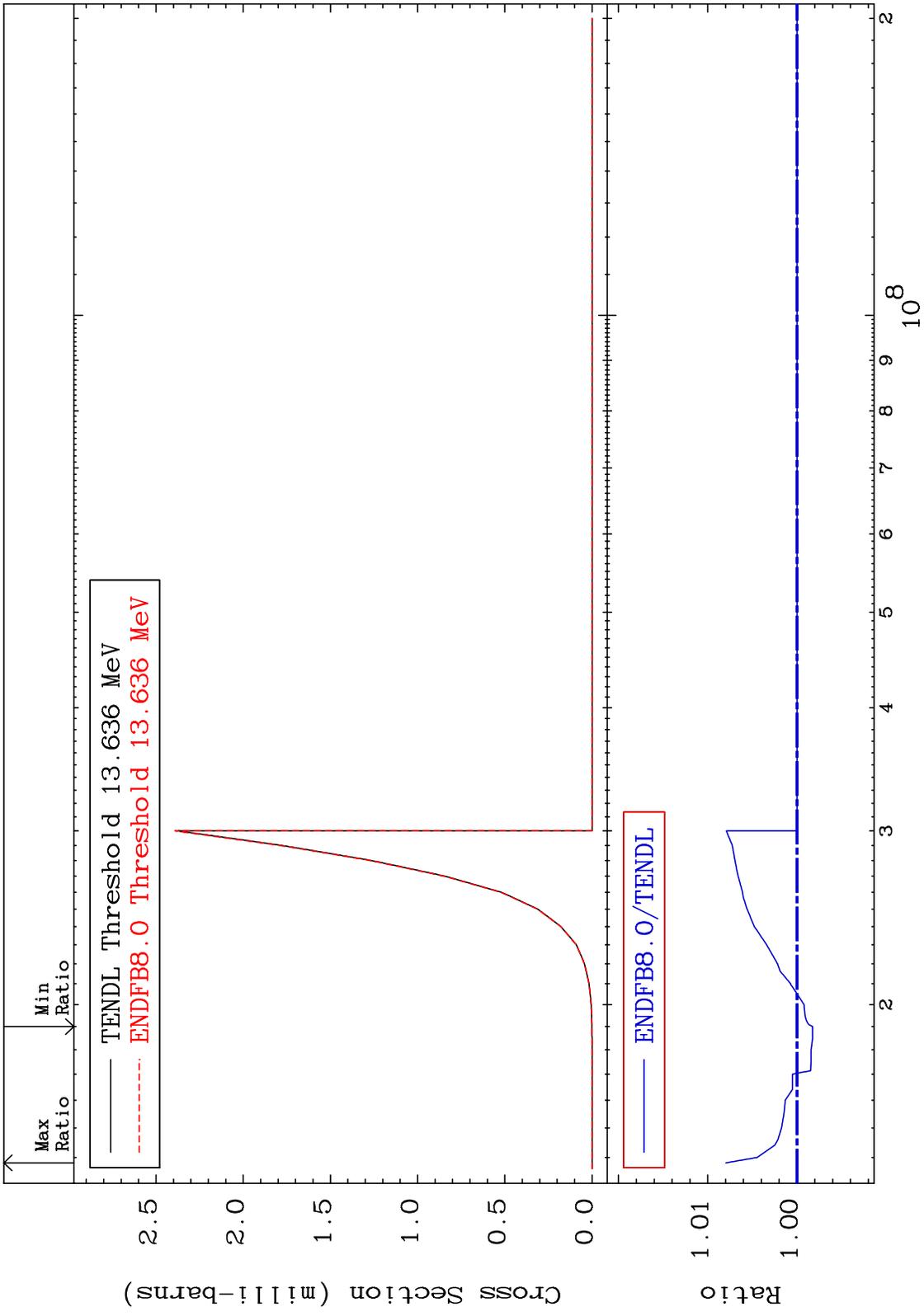
MAT 4228 (n,2n) p 42-Mo-93
 Cross Section -0.203 To 2.752 %

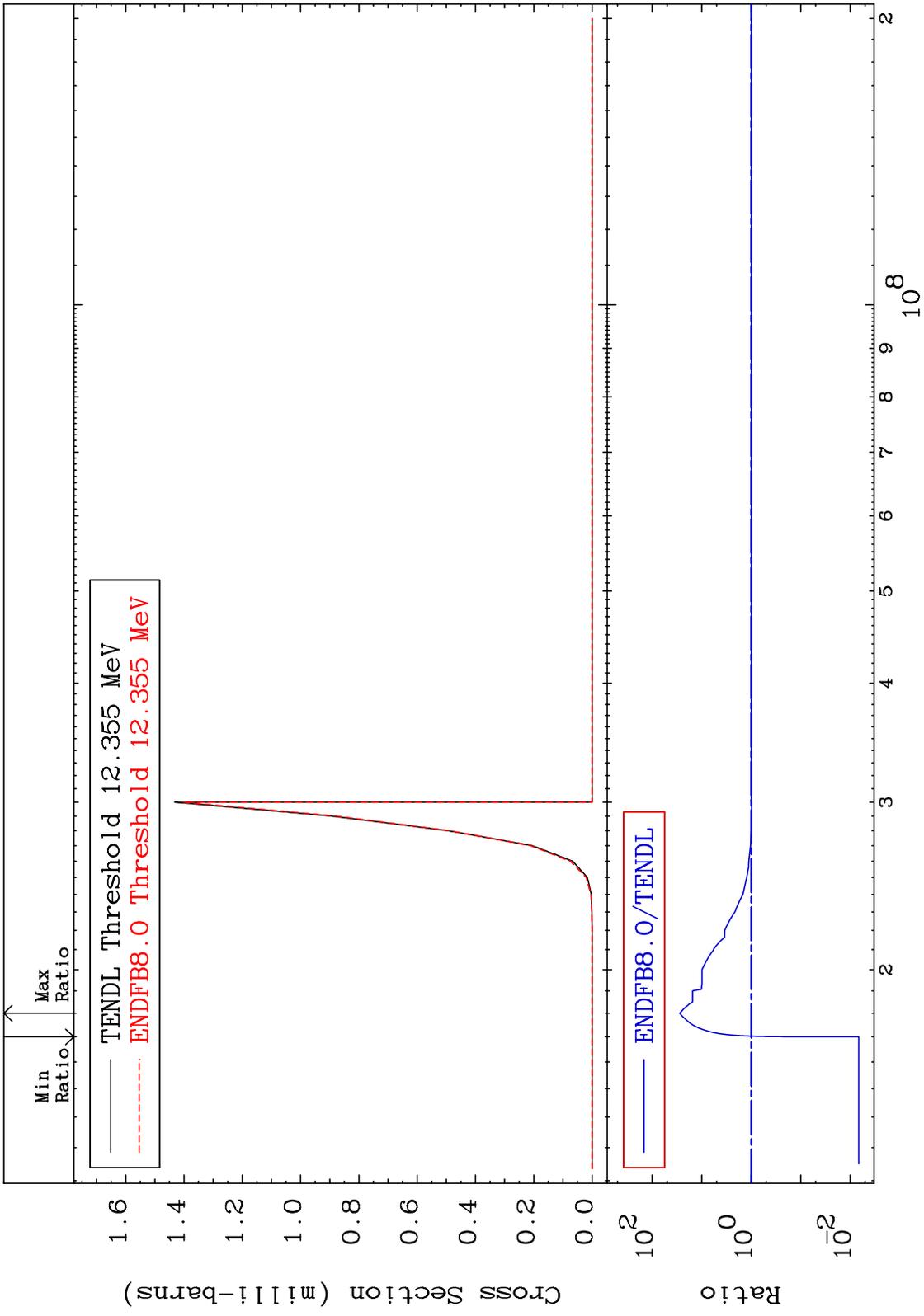


MAT 4228 (n,3n) p Cross Section 42-Mo-93
 0.000 To 1.200 %

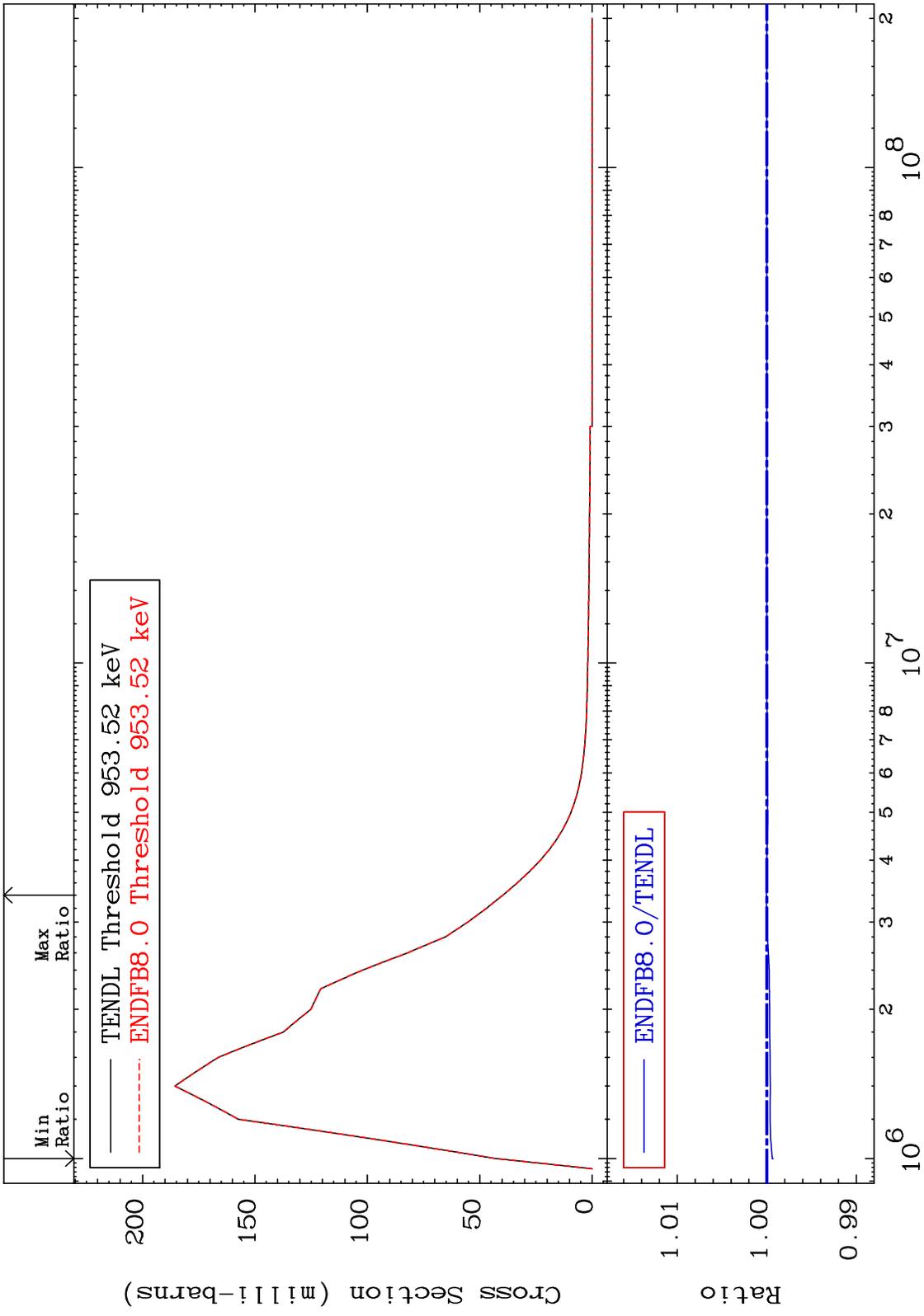


MAT 4228 (n,2n) p 42-Mo-93
 Cross Section -0.176 To 0.797 %



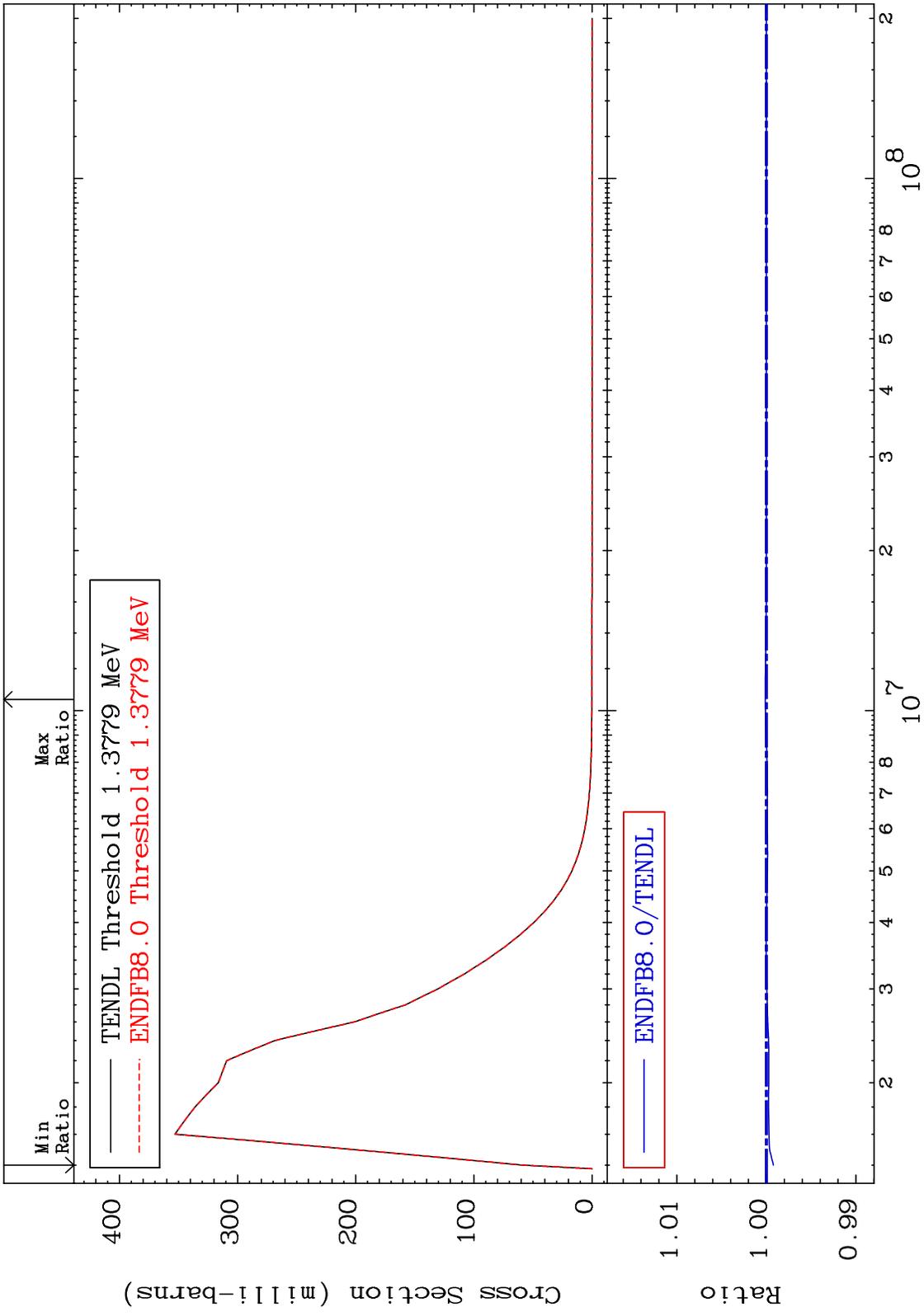


MAT 4228 MT= 51 (n,n') Level Cross Section 42-Mo-93 -0.060 To 0.006 %



18 42-Mo-93

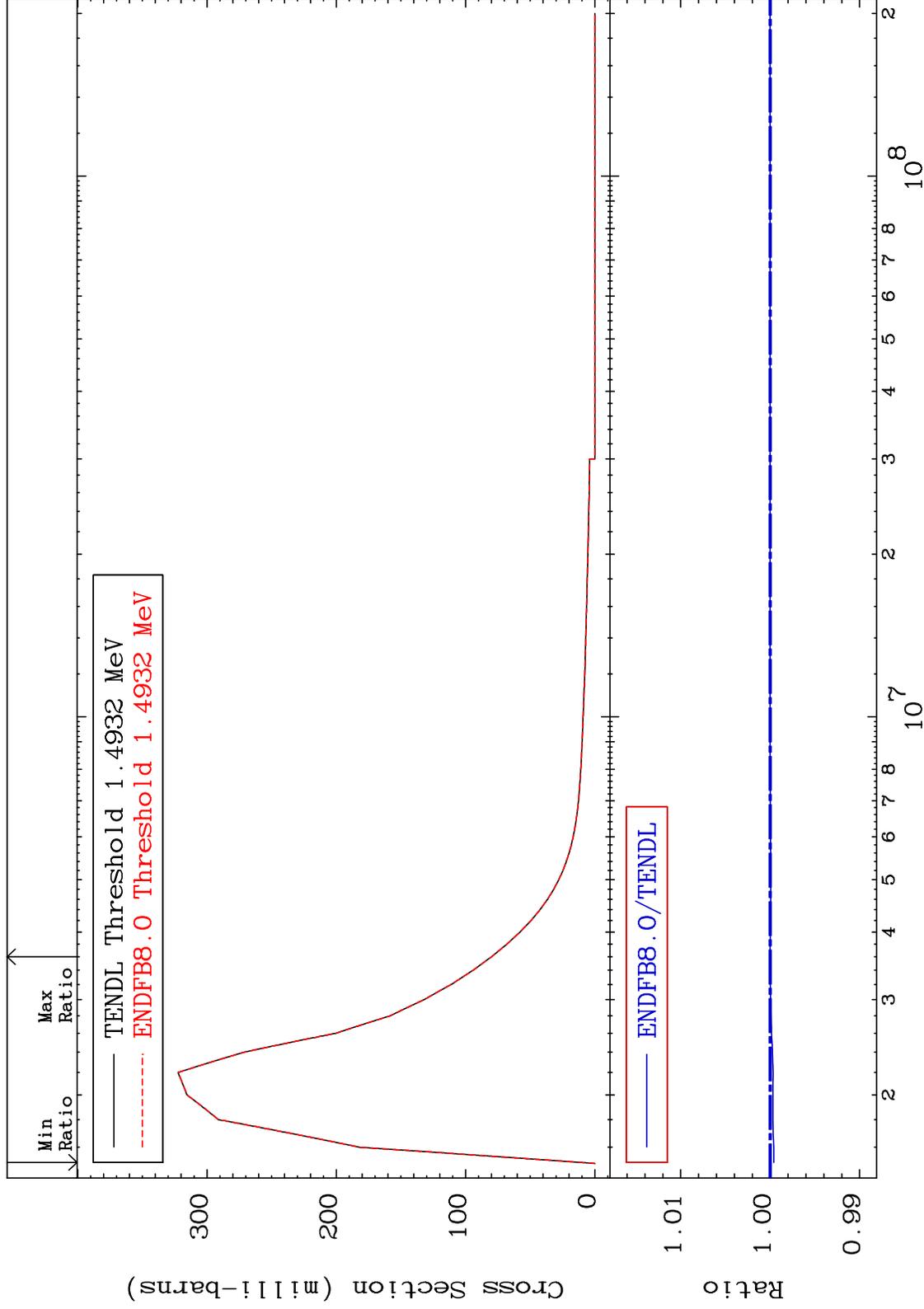
MAT 4228 MT= 52 (n,n') Level Cross Section 42-Mo-93
 -0.078 To 0.014 %



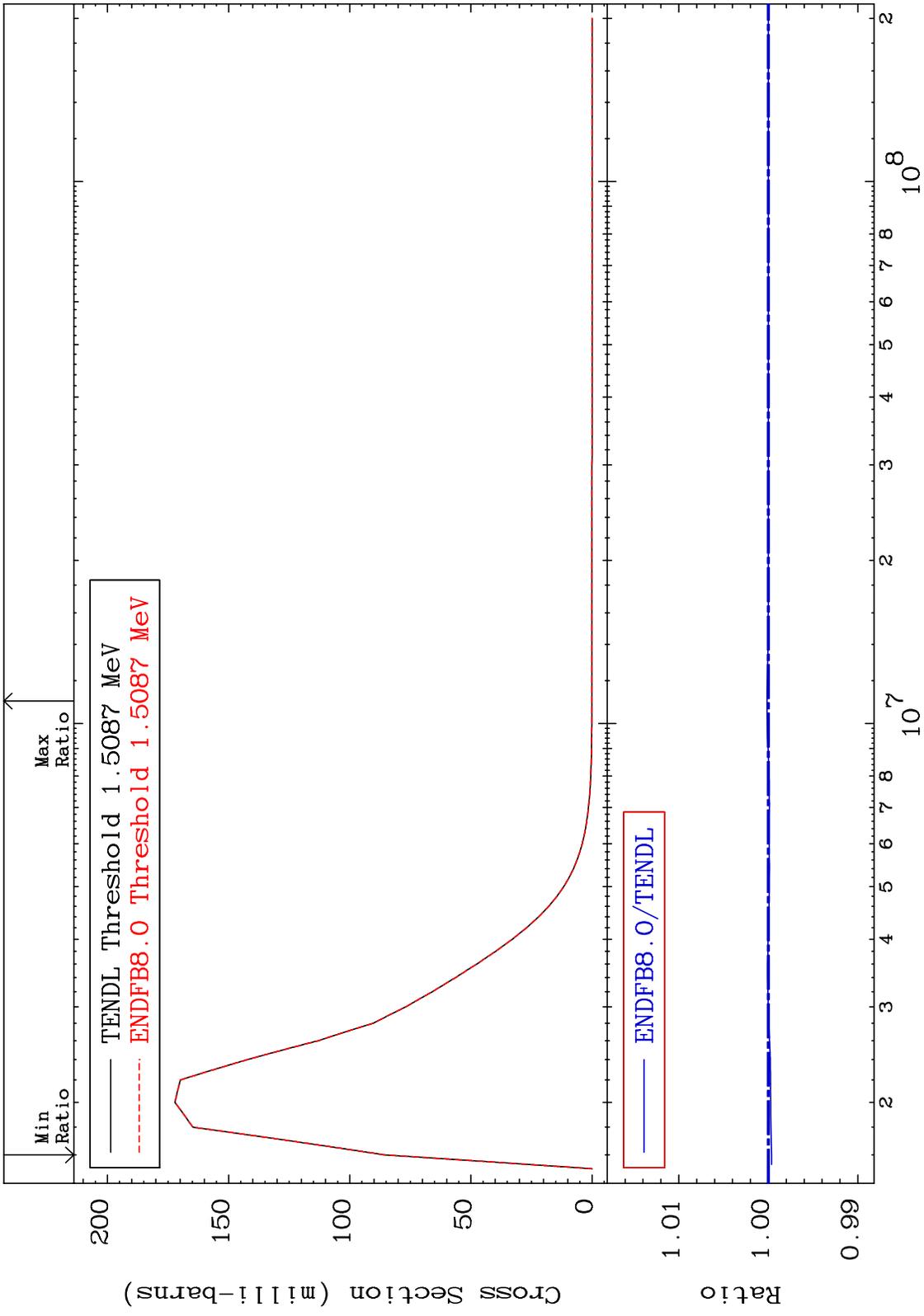
MAT 4228

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

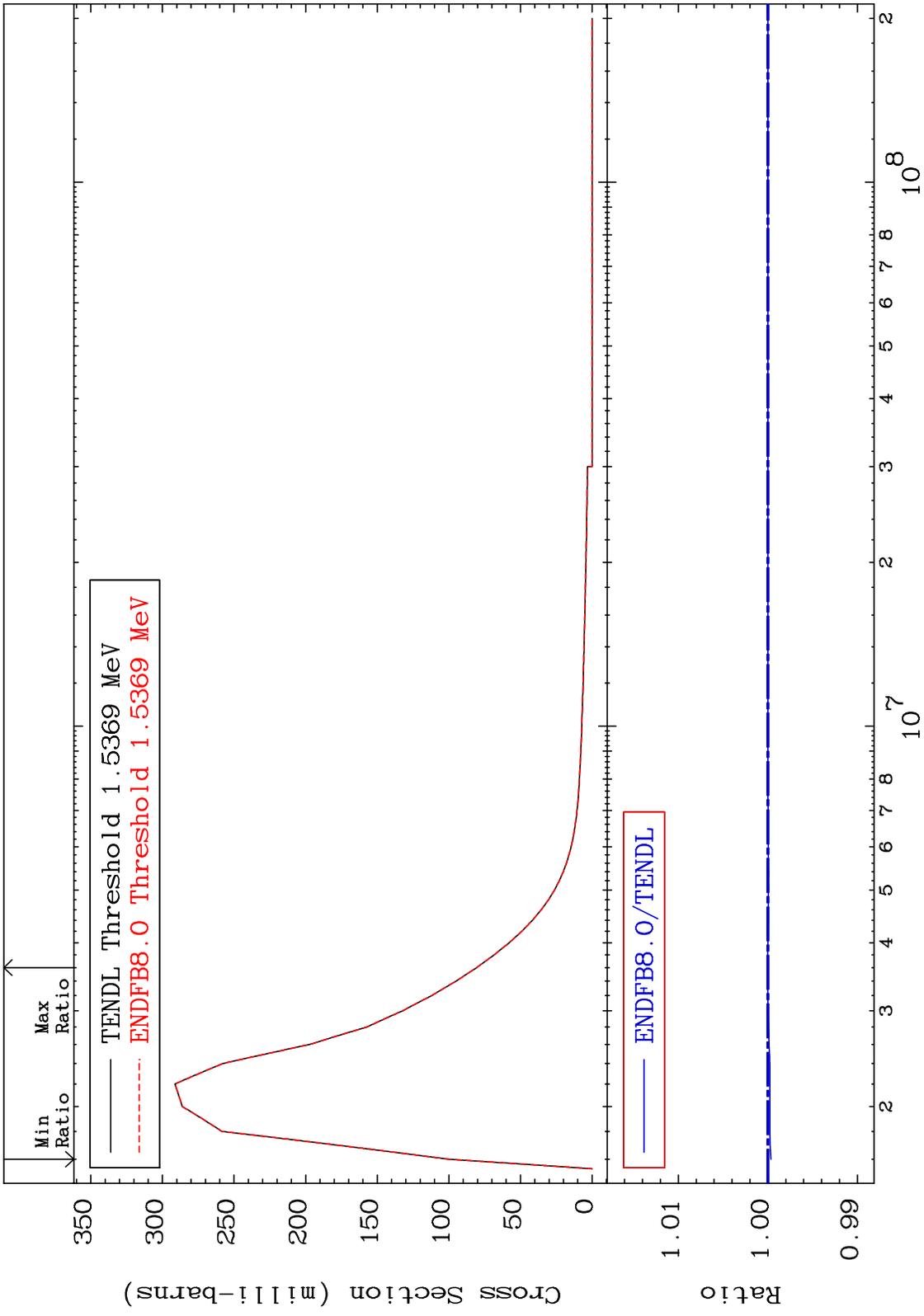
42-Mo-93
-0.040 To 0.001 %



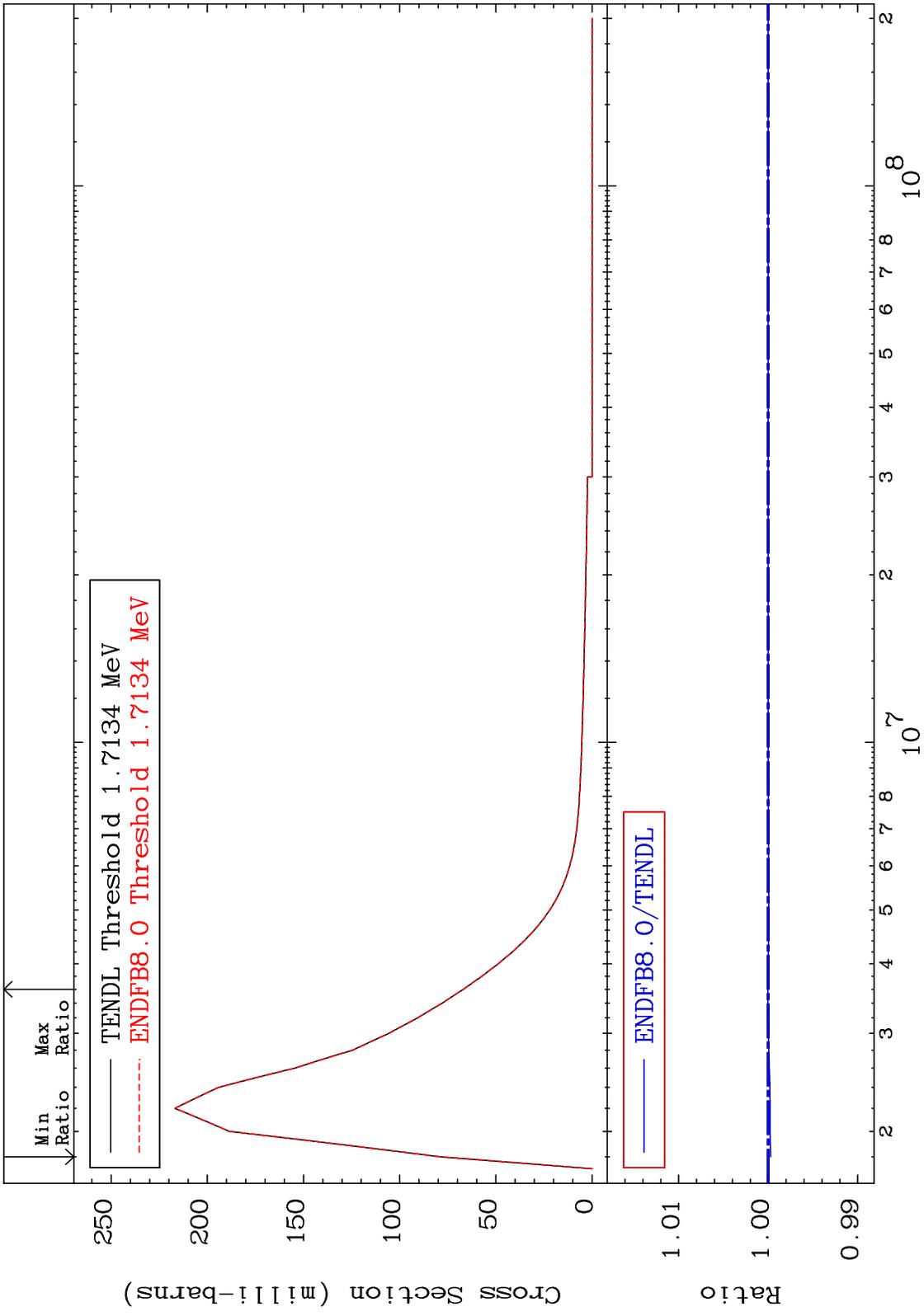
MAT 4228 MT= 54 (n,n') Level Cross Section -0.036 To 0.015 % 42-Mo-93



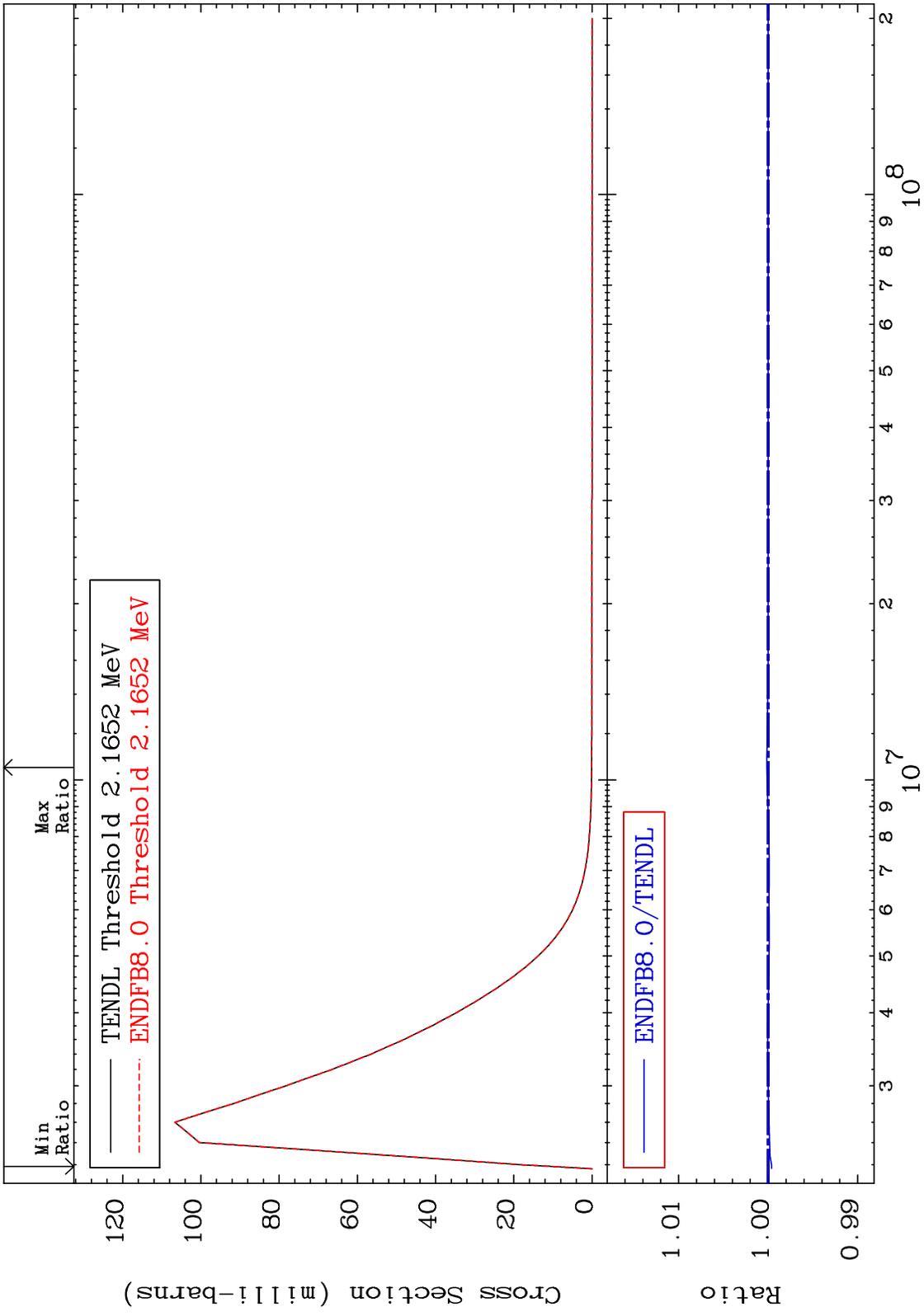
MAT 4228 MT= 55 (n,n') Level Cross Section -0.035 To 0.003 % 42-Mo-93



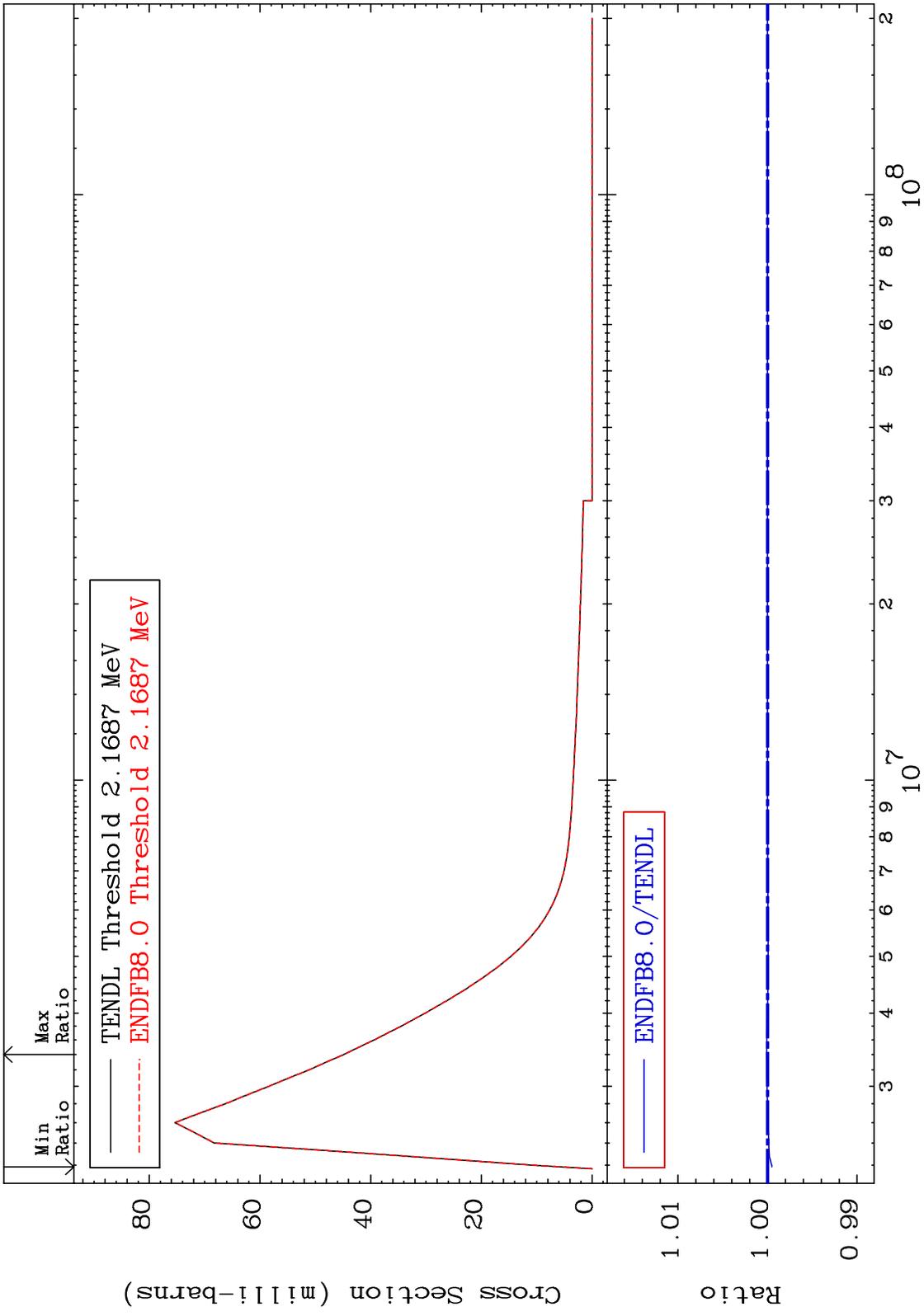
MAT 4228 MT= 56 (n,n') Level Cross Section 42-Mo-93
 -0.028 To 0.004 %



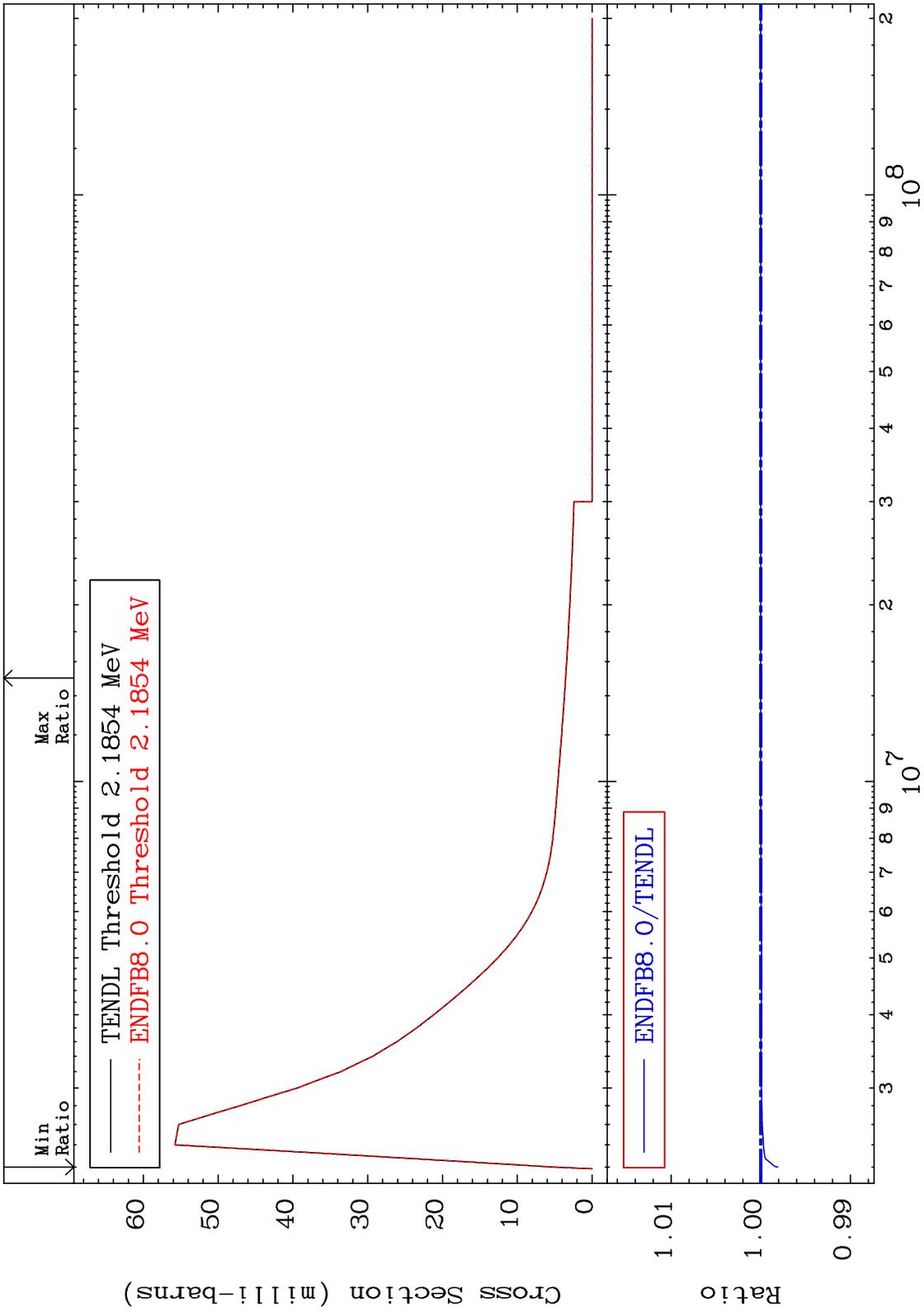
MAT 4228 MT= 57 (n,n') Level Cross Section 42-Mo-93
 -0.039 To 0.015 %



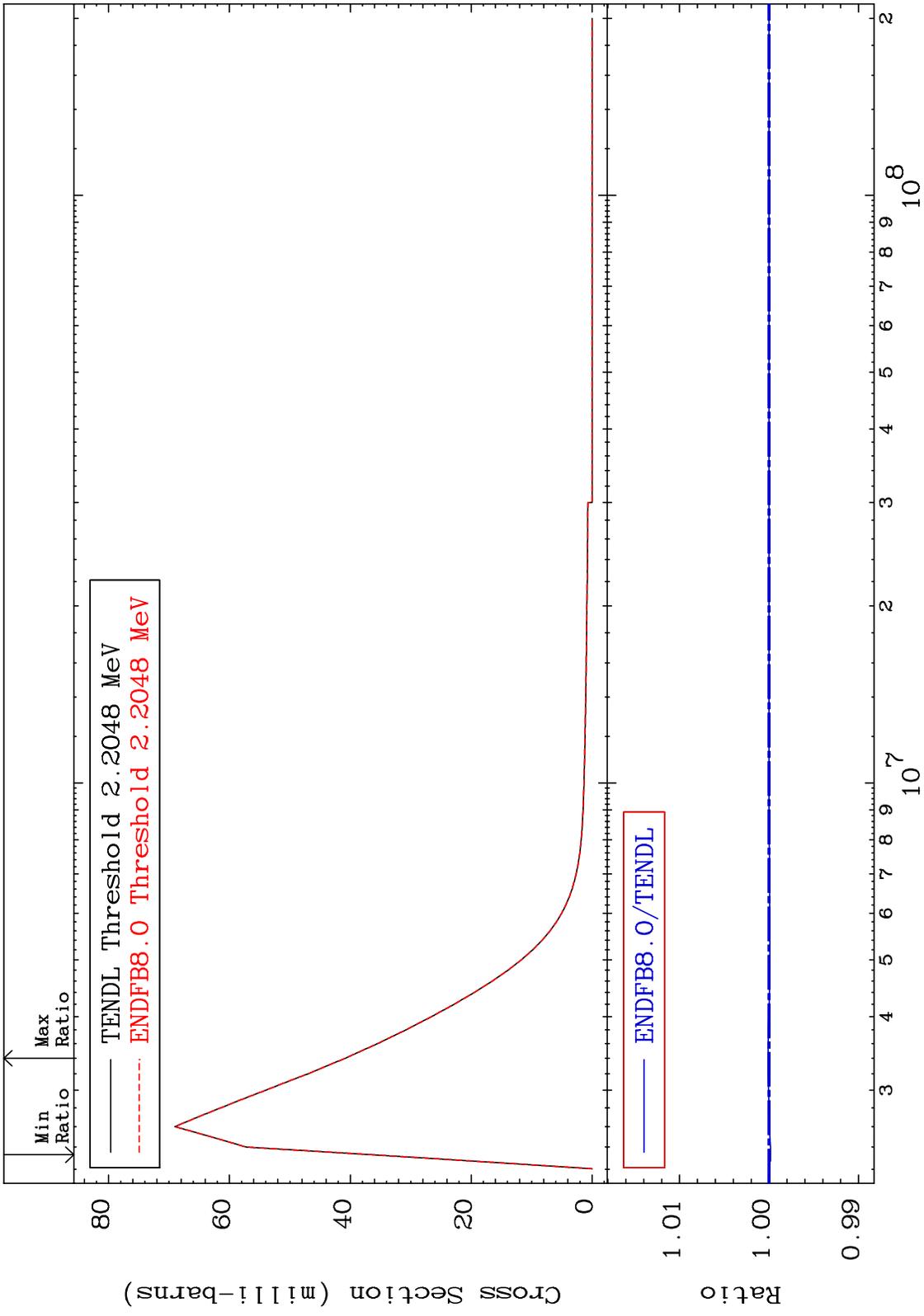
MAT 4228 MT= 58 (n,n') Level Cross Section 42-Mo-93
 -0.048 To 0.010 %



MAT 4228 MT= 59 (n,n') Level Cross Section 42-Mo-93
 -0.190 To 0.000 %



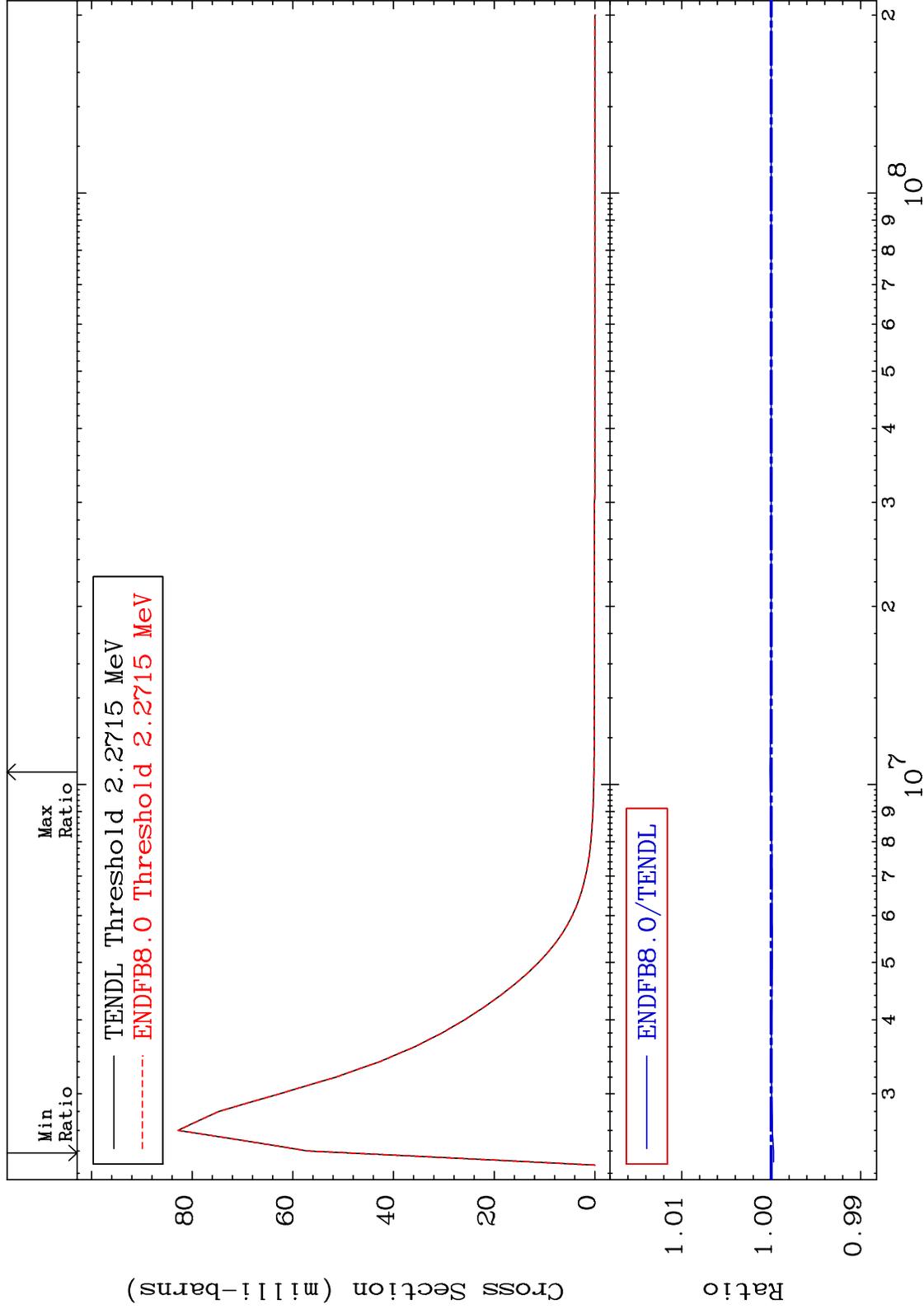
MAT 4228 MT= 60 (n,n') Level Cross Section 42-Mo-93
 -0.015 To 0.011 %



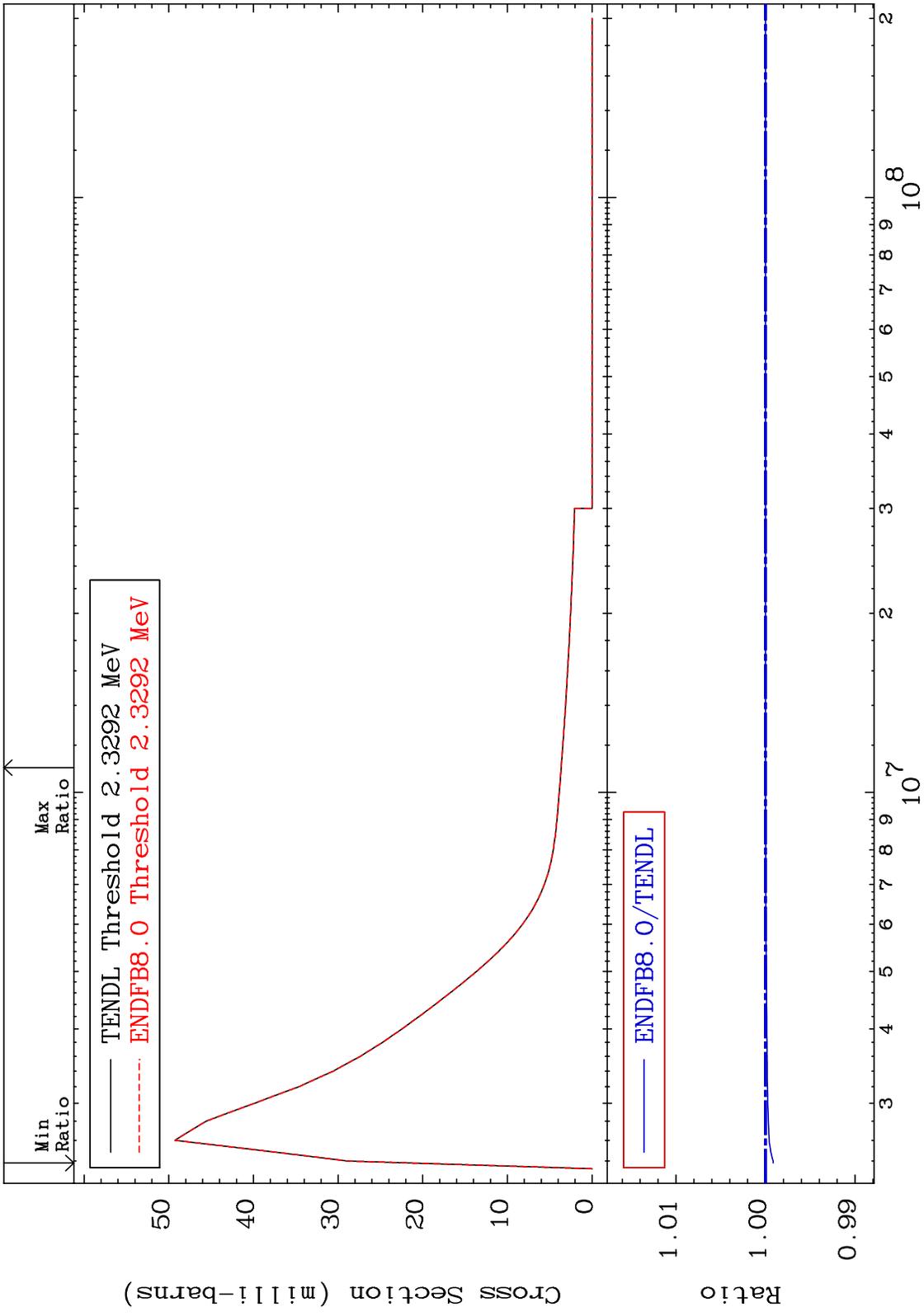
MAT 4228

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

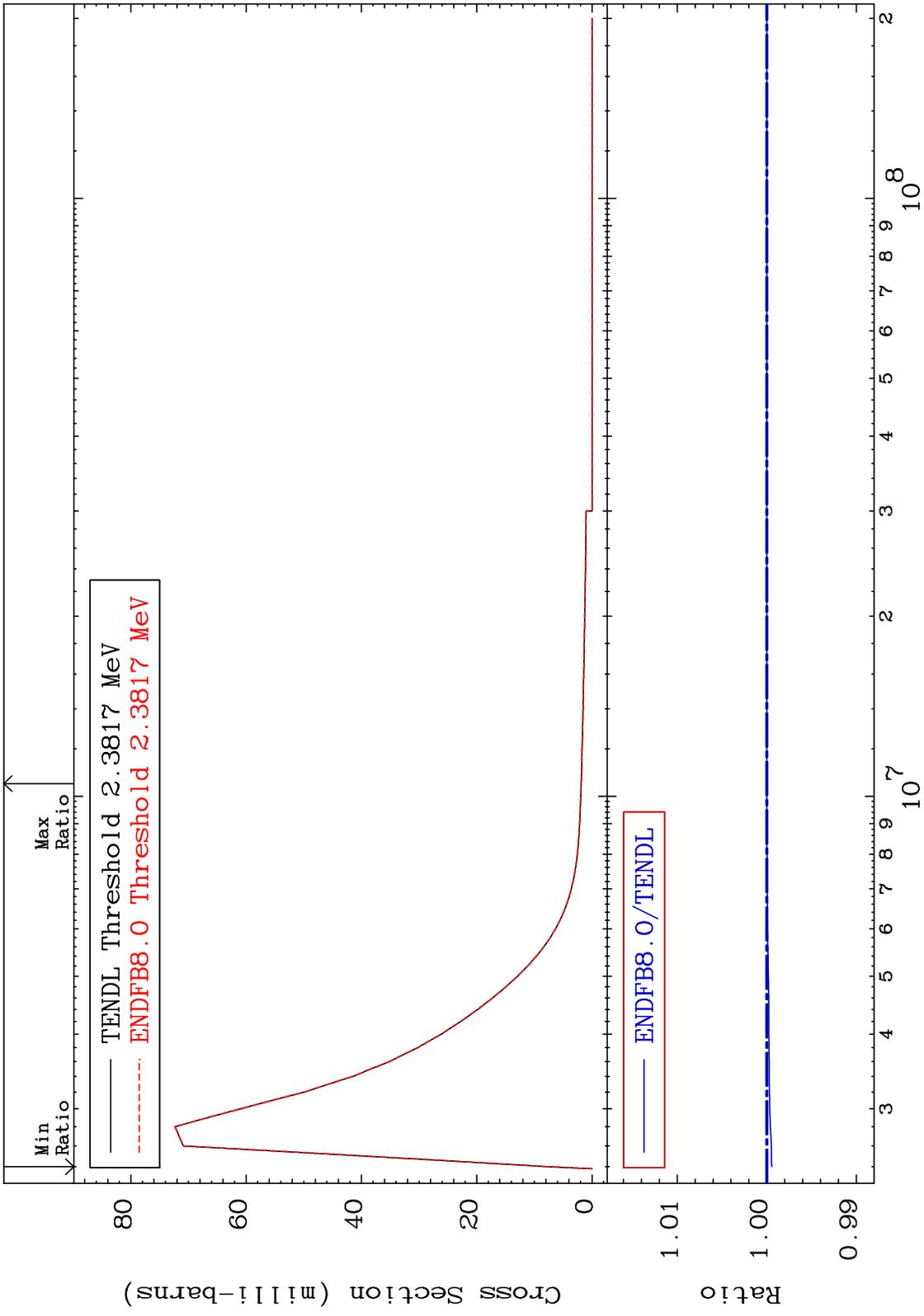
42-Mo-93
-0.028 To 0.011 %



MAT 4228 MT= 62 (n,n') Level Cross Section 42-Mo-93
 -0.084 To 0.000 %



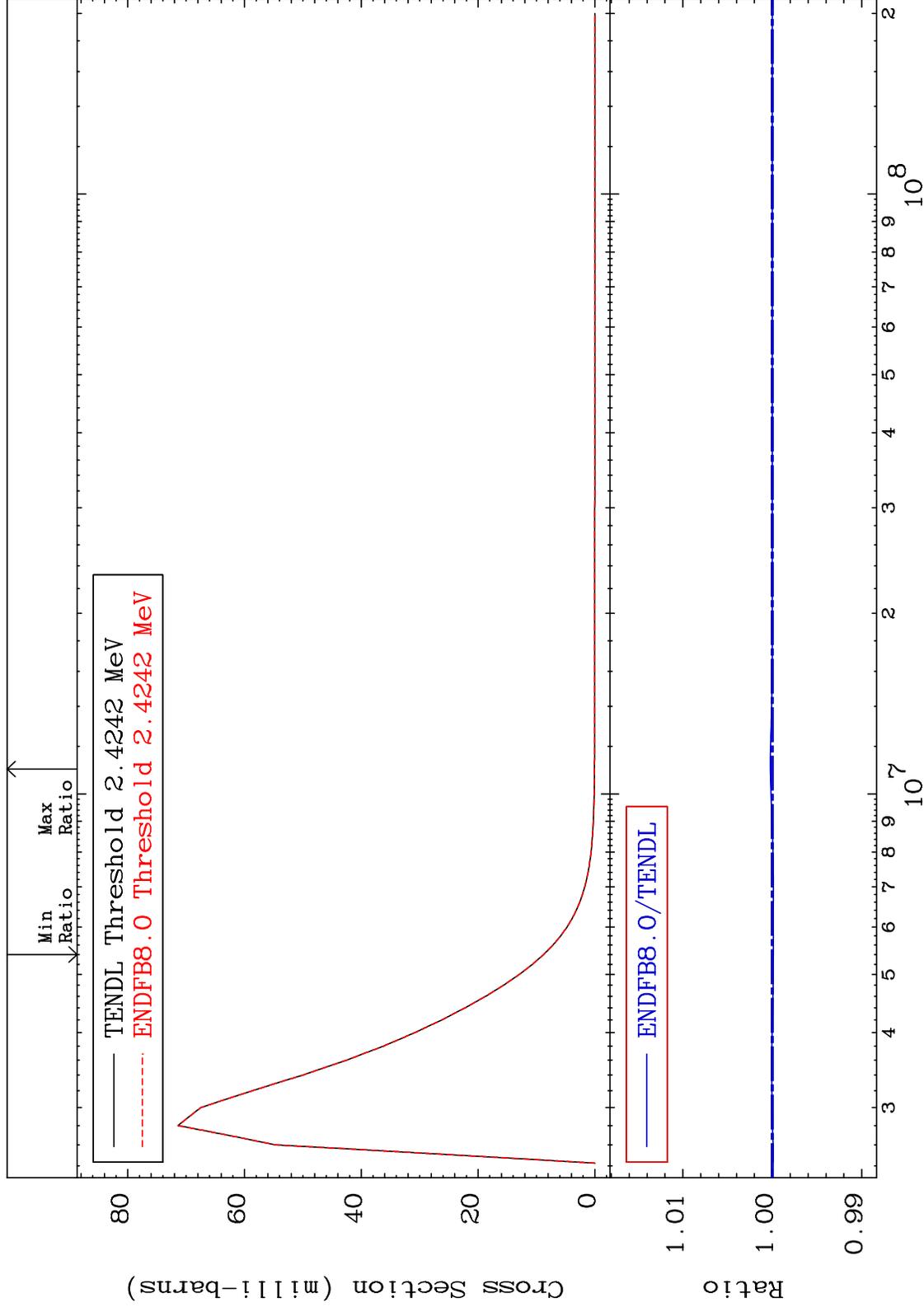
MAT 4228 MT= 63 (n,n') Level Cross Section 42-Mo-93
 -0.056 To 0.001 %



MAT 4228

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

42-Mo-93
-0.012 To 0.021 %

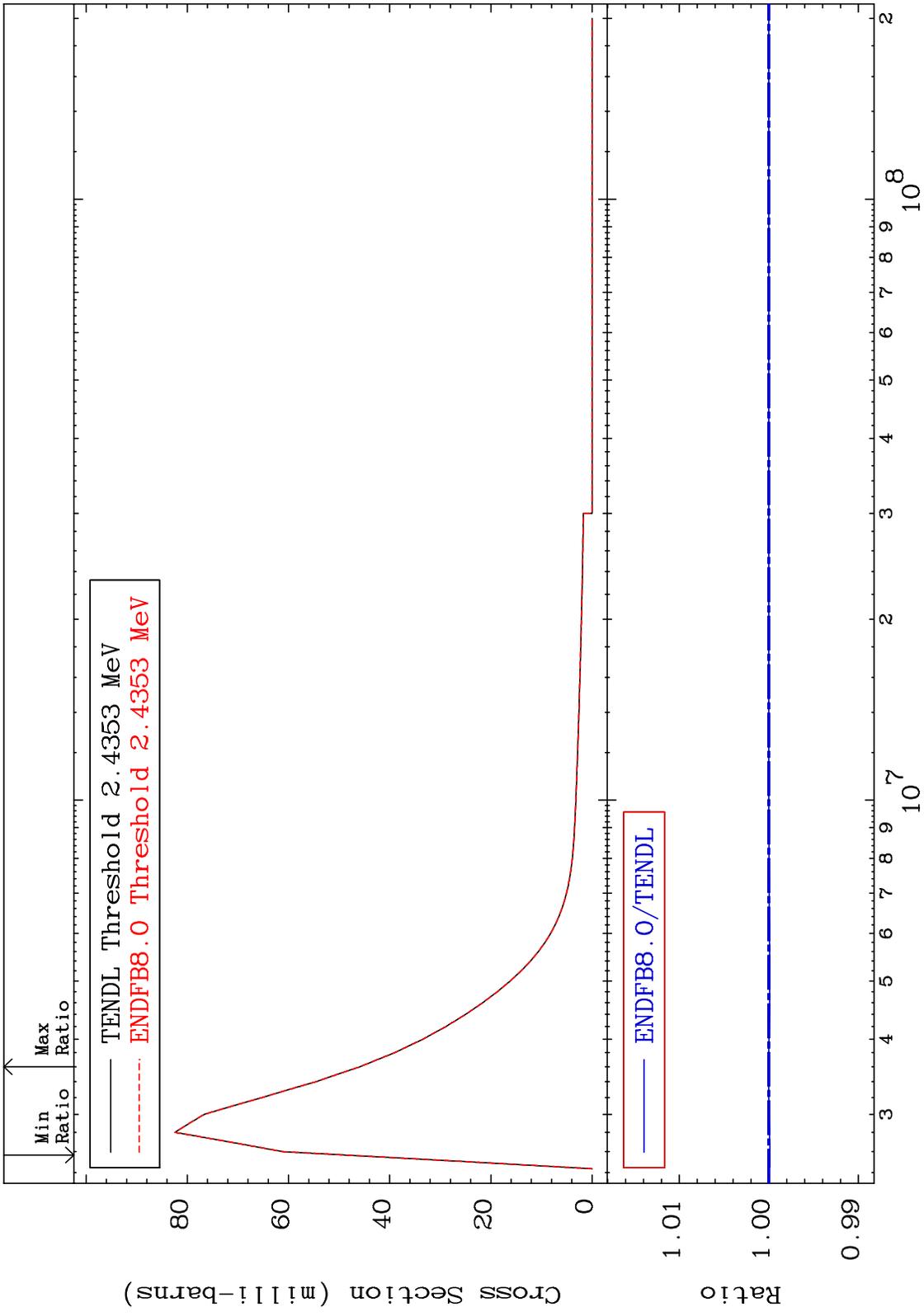


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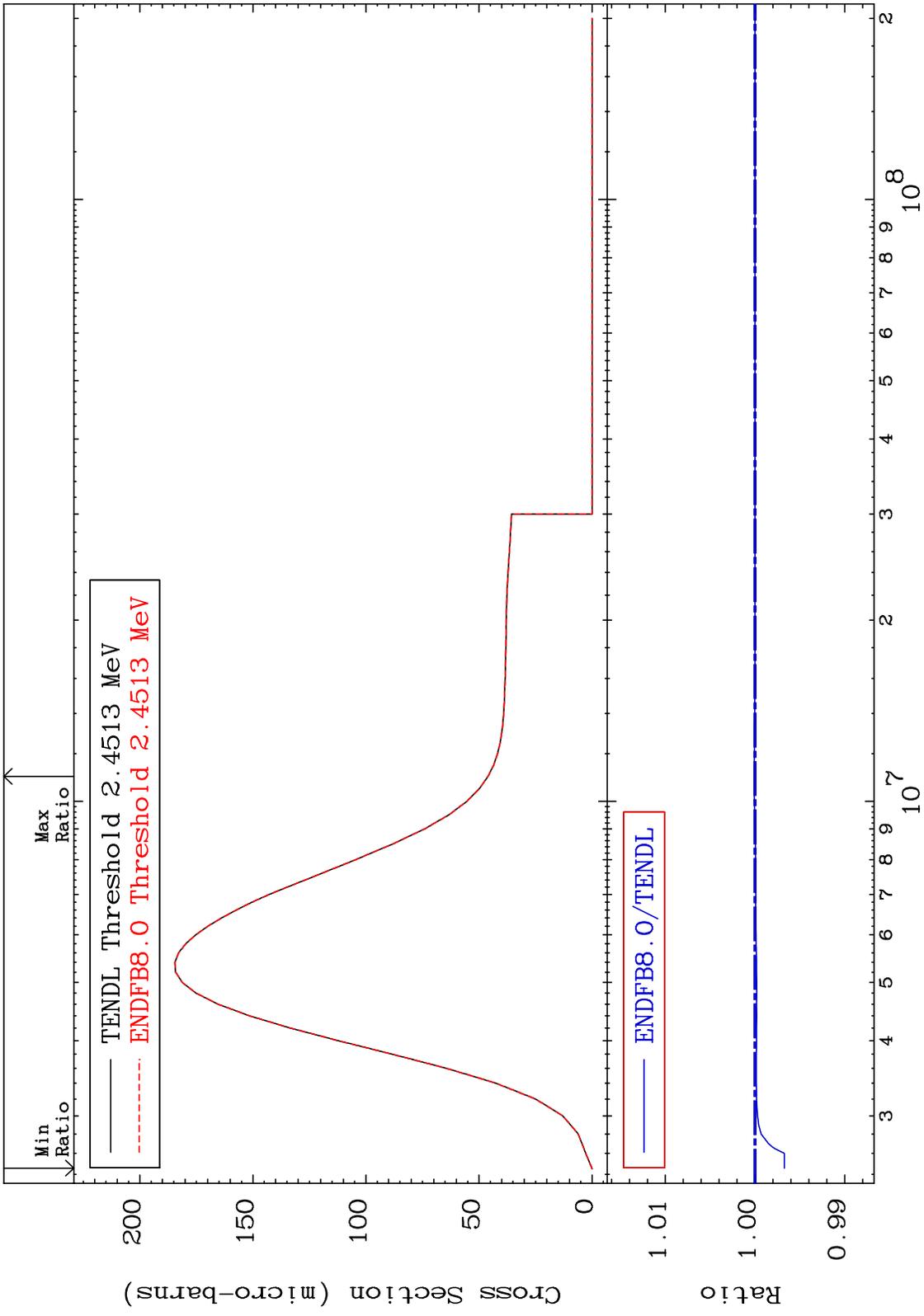
Incident Energy (eV)

42-Mo-93

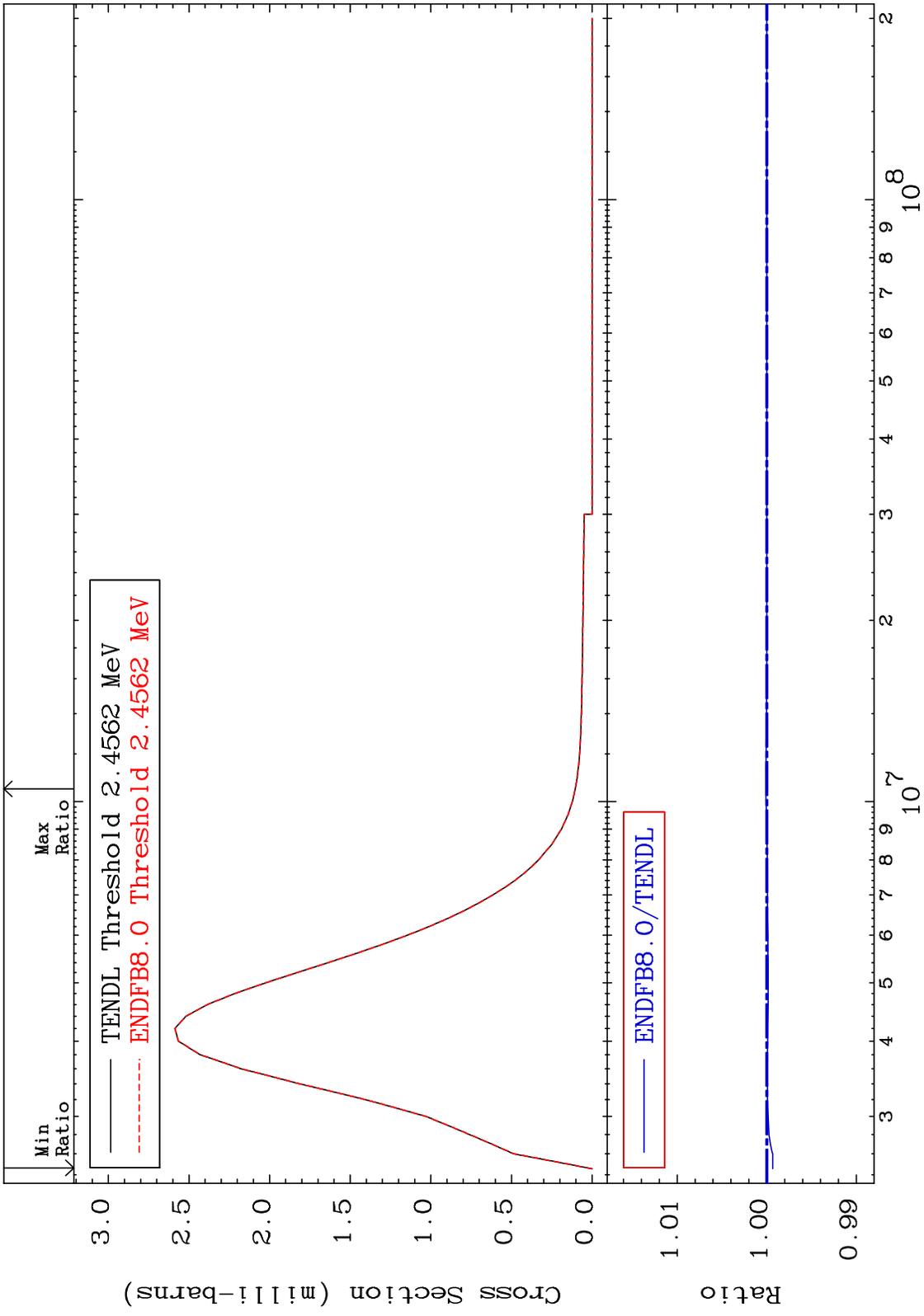
MAT 4228 MT= 65 (n,n') Level Cross Section 42-Mo-93
 -0.012 To 0.003 %



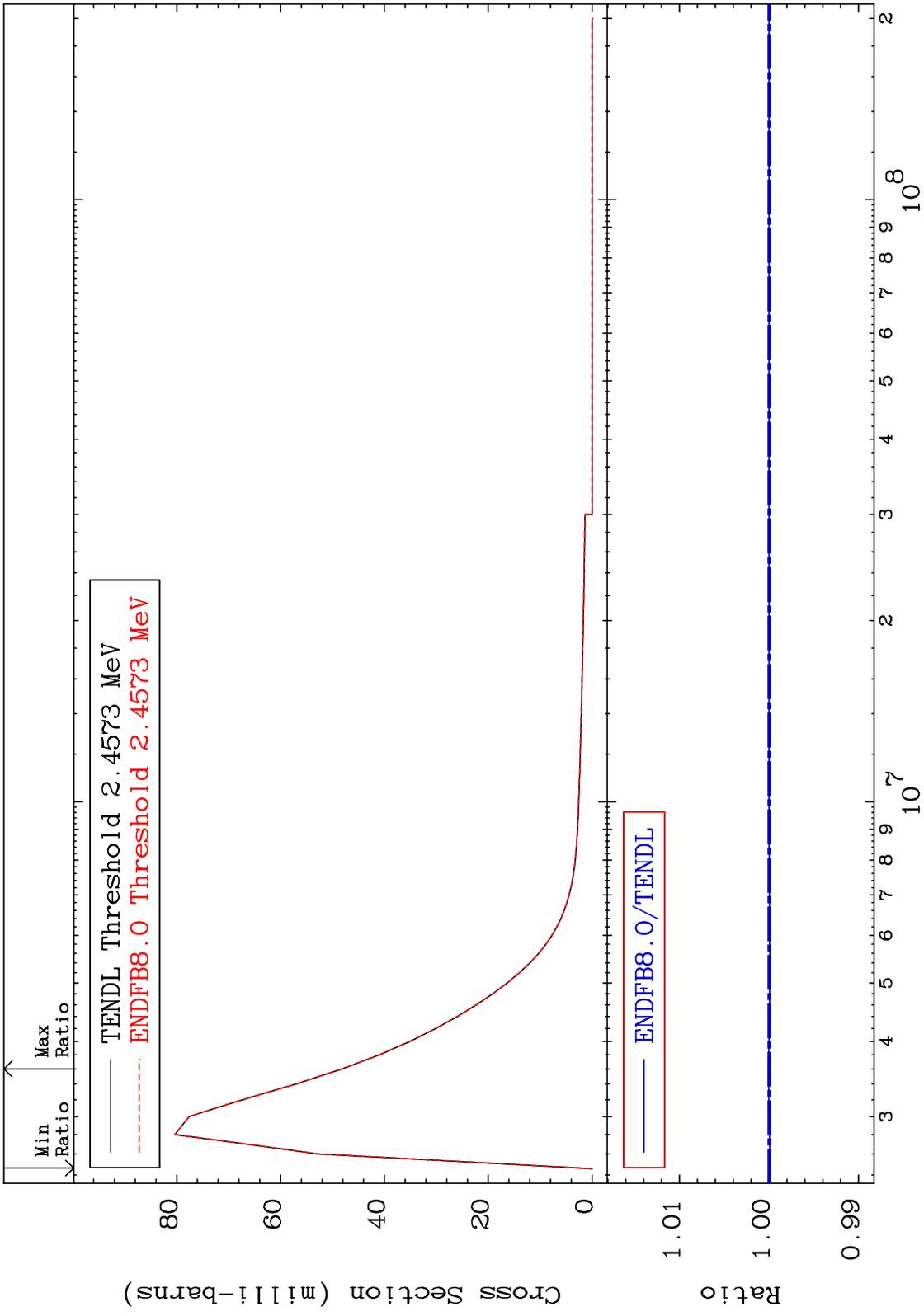
MAT 4228 MT= 66 (n,n') Level Cross Section 42-Mo-93
 -0.327 To 0.008 %



MAT 4228 MT= 67 (n,n') Level Cross Section 42-Mo-93
 -0.065 To 0.010 %



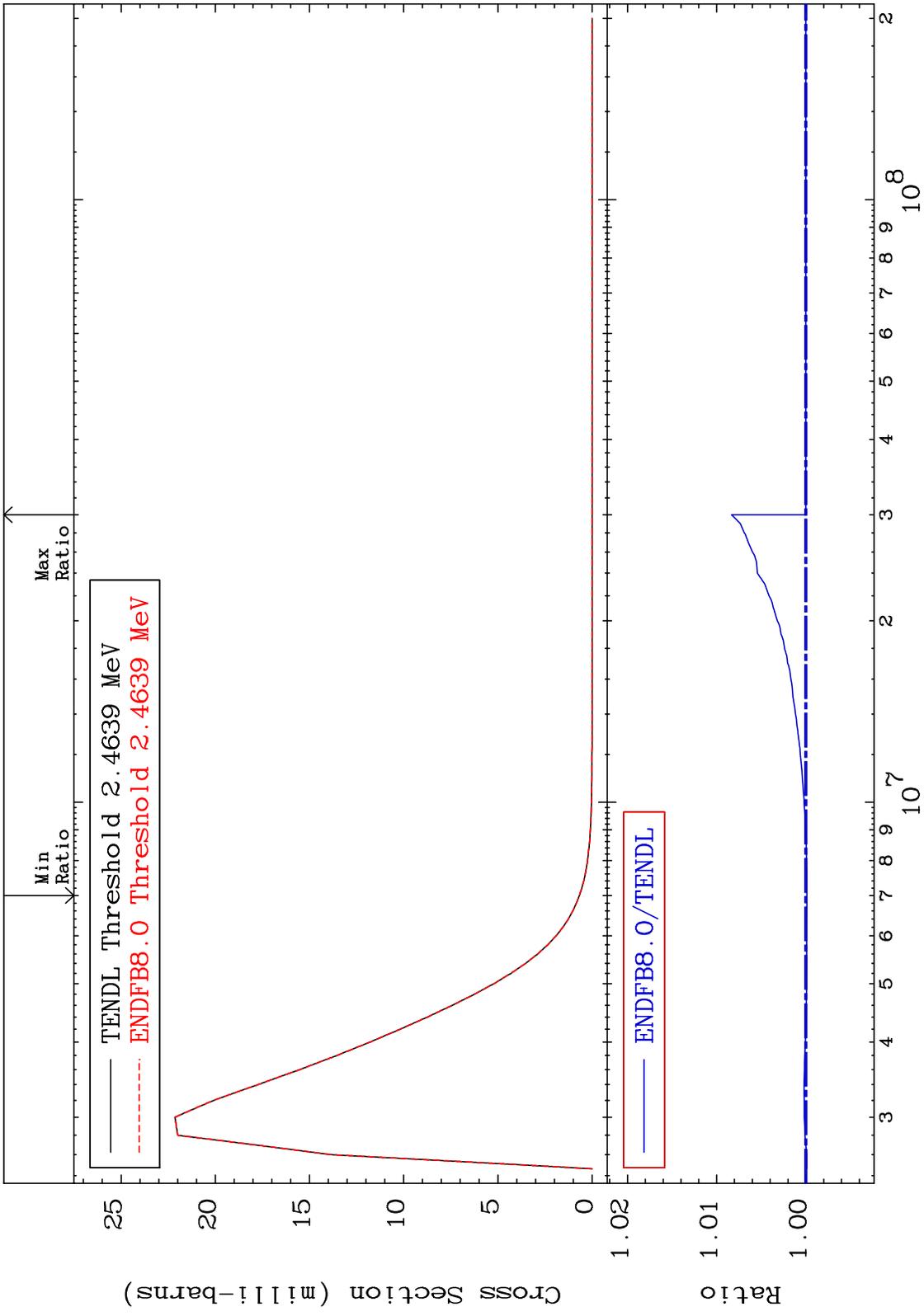
MAT 4228 MT= 68 (n,n') Level Cross Section 42-Mo-93
 -0.010 To 0.005 %



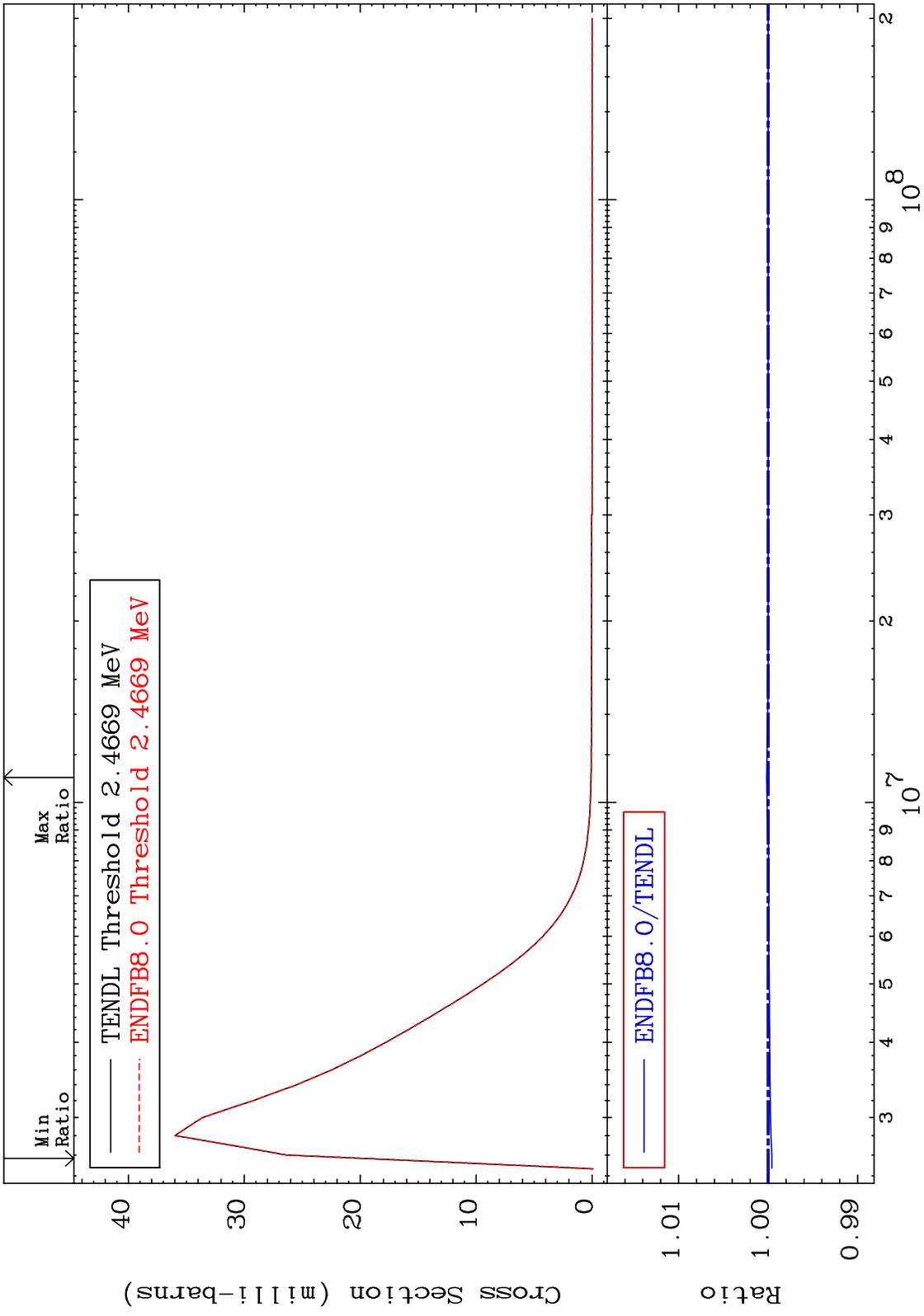
MAT 4228

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

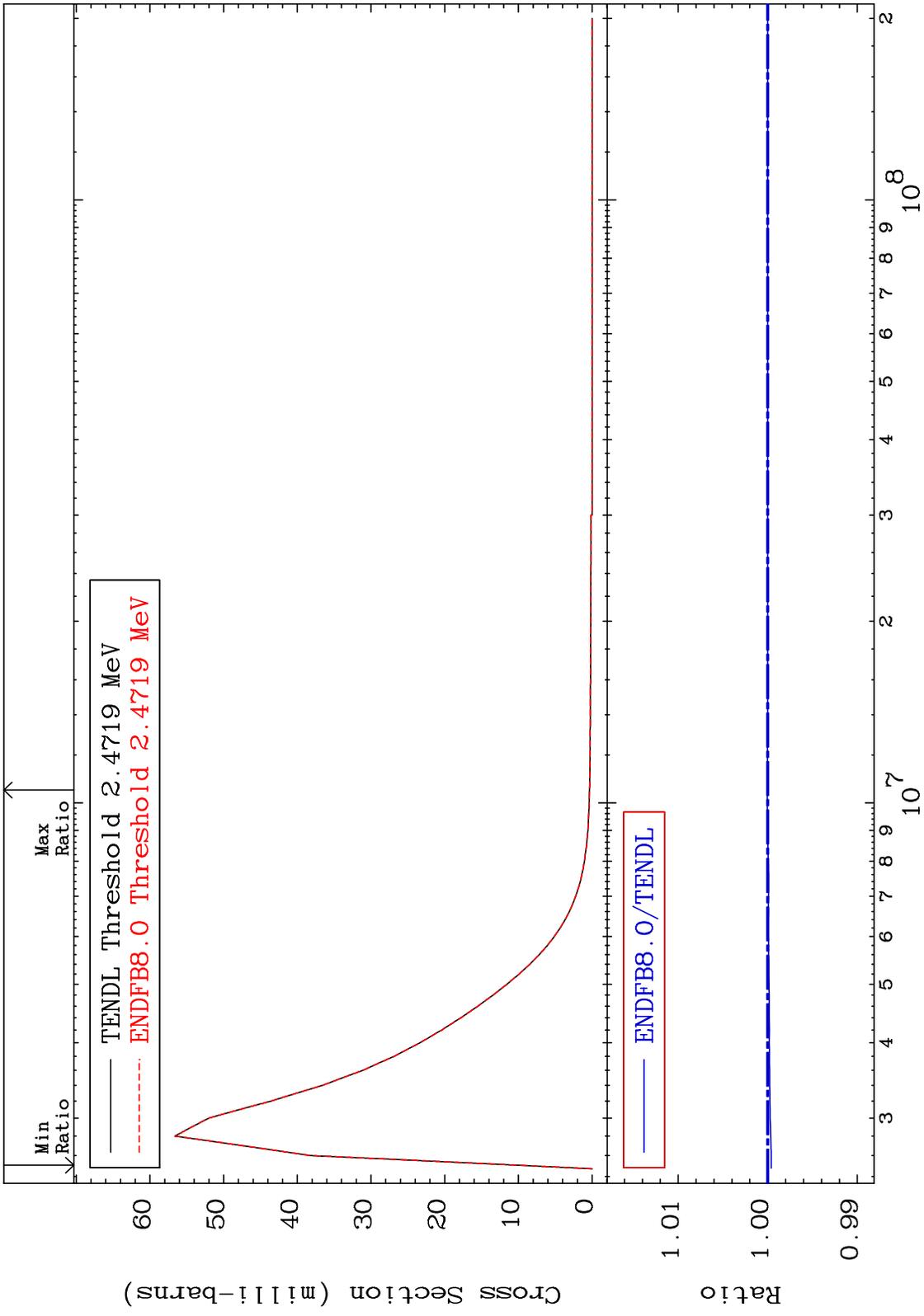
42-Mo-93
-0.013 To 0.832 %



MAT 4228 MT= 70 (n,n') Level Cross Section 42-Mo-93
 -0.042 To 0.016 %



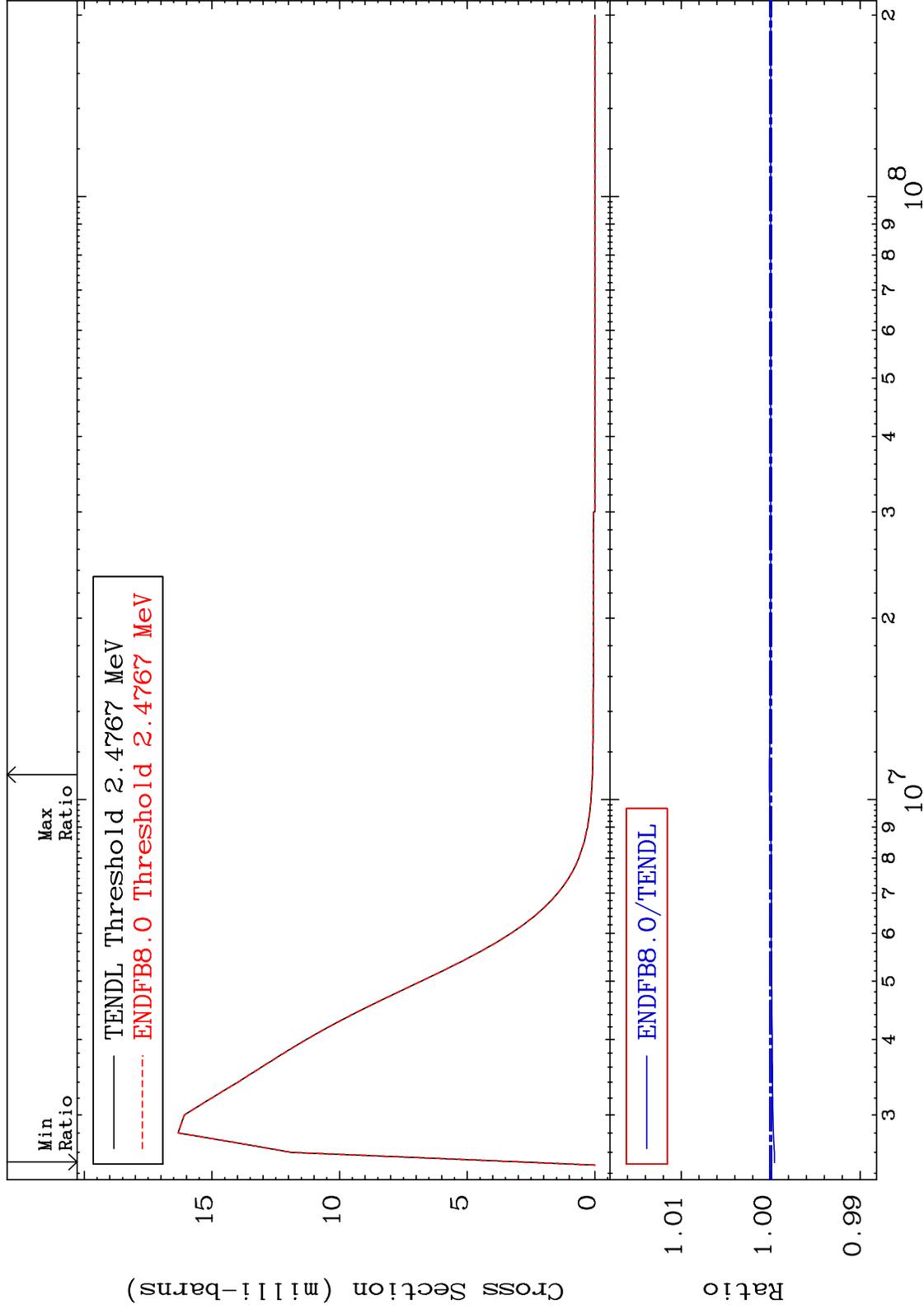
MAT 4228 MT= 71 (n,n') Level Cross Section 42-Mo-93
 -0.040 To 0.006 %



MAT 4228

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

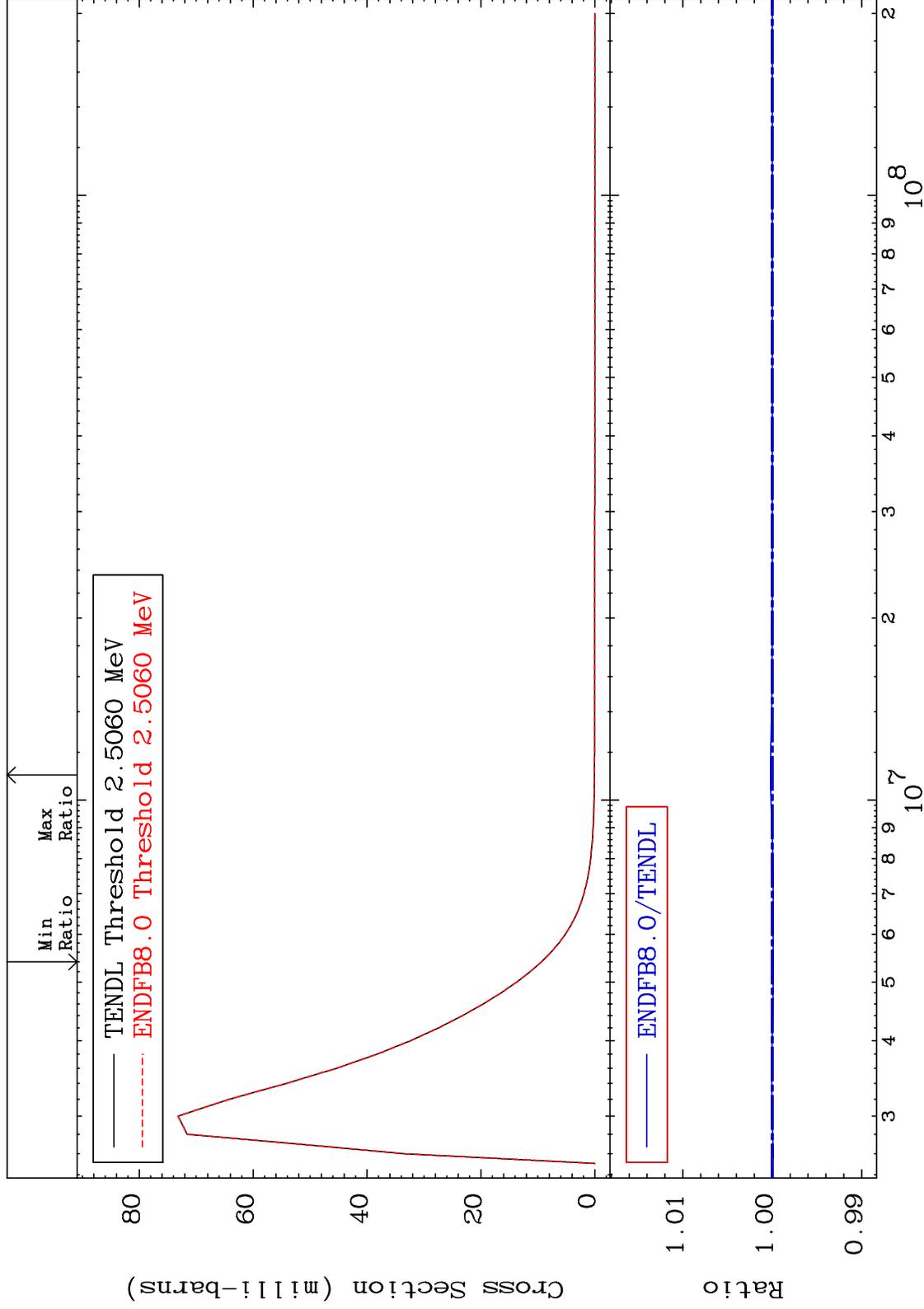
42-Mo-93
-0.042 To 0.014 %



MAT 4228

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

42-Mo-93
-0.012 To 0.020 %

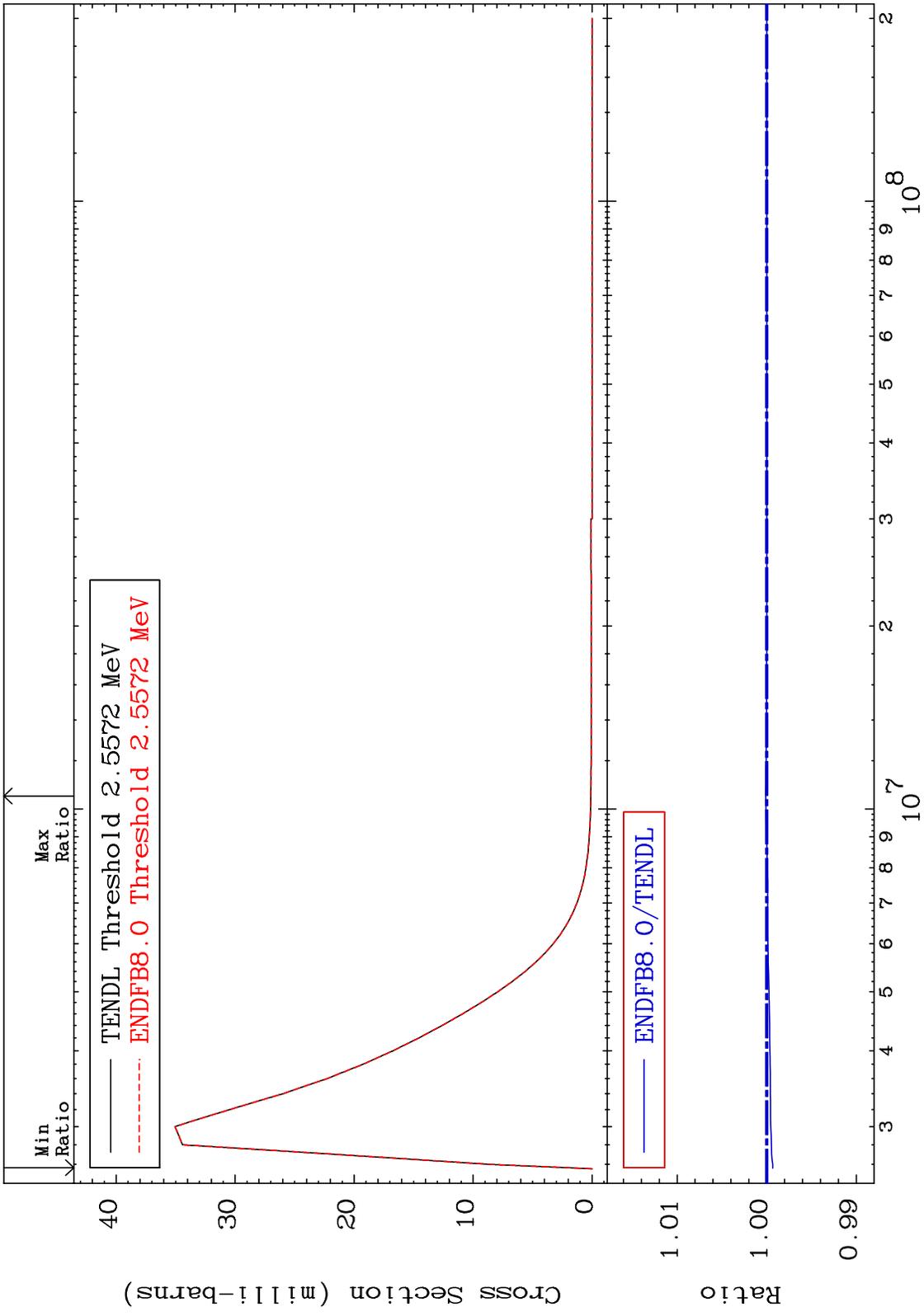


40

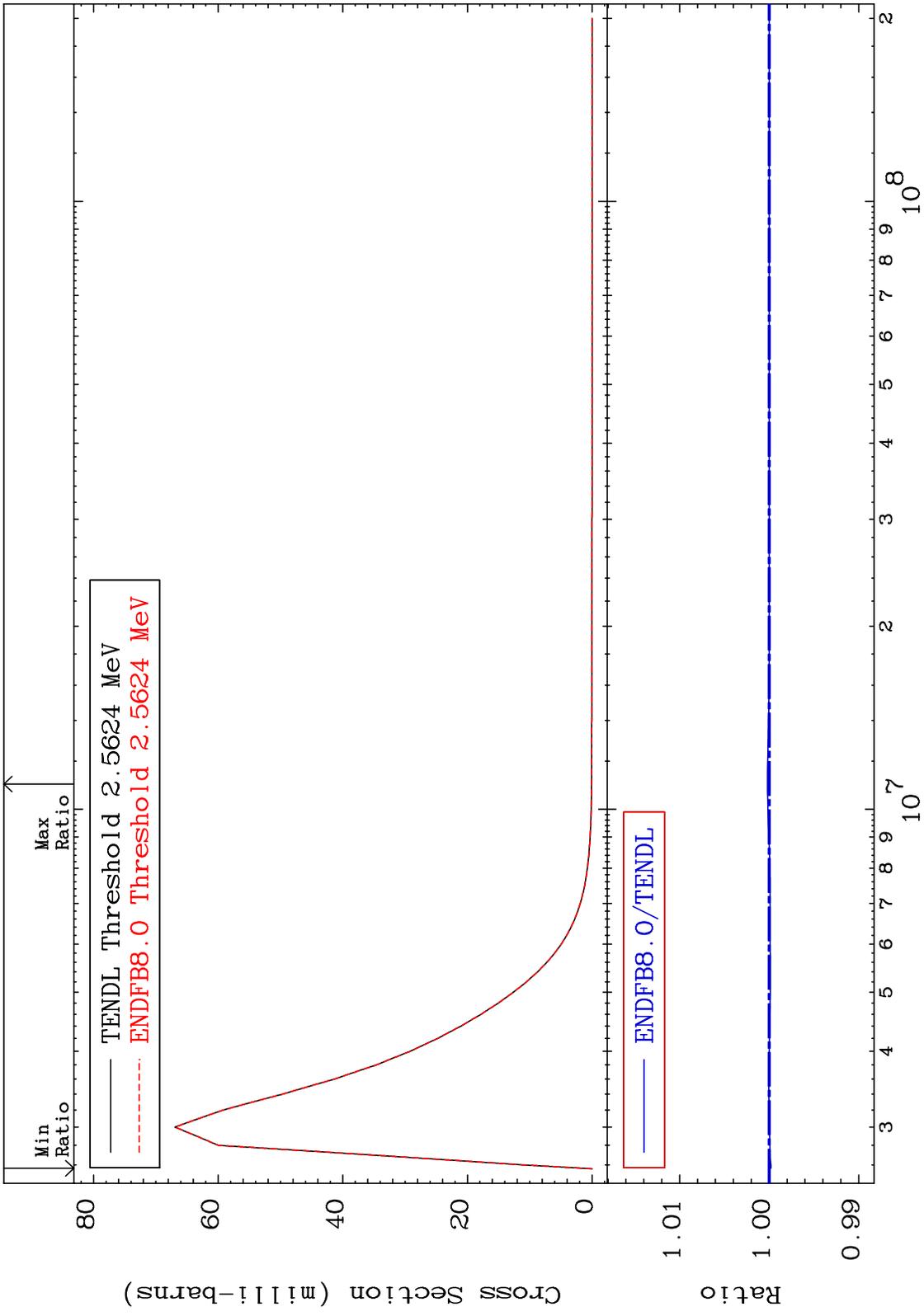
Incident Energy (eV)

42-Mo-93

MAT 4228 MT= 74 (n,n') Level Cross Section 42-Mo-93
 -0.068 To 0.011 %



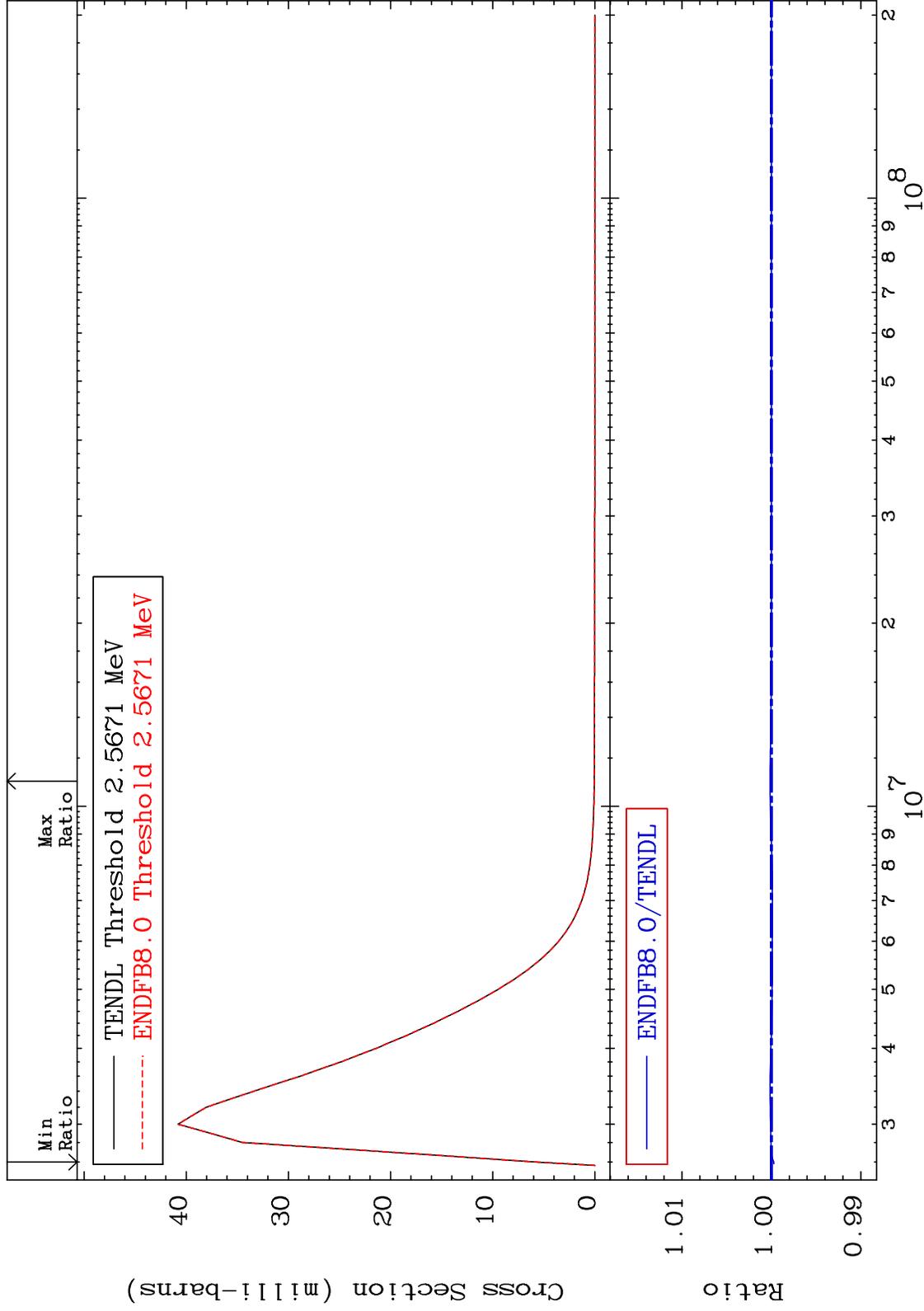
MAT 4228 MT= 75 (n,n') Level Cross Section -0.021 To 0.019 % 42-Mo-93



MAT 4228

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

42-Mo-93
-0.027 To 0.015 %

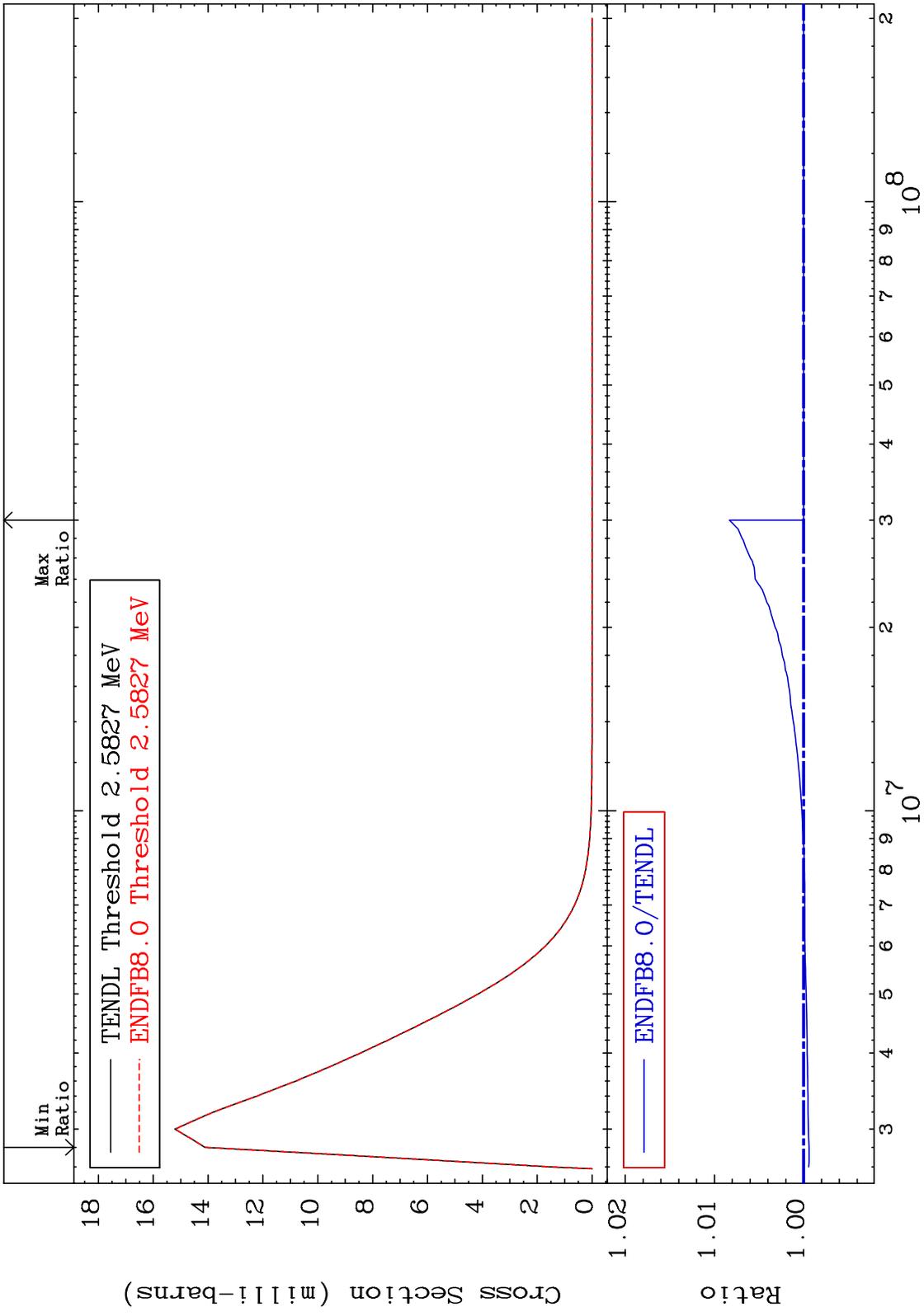


43

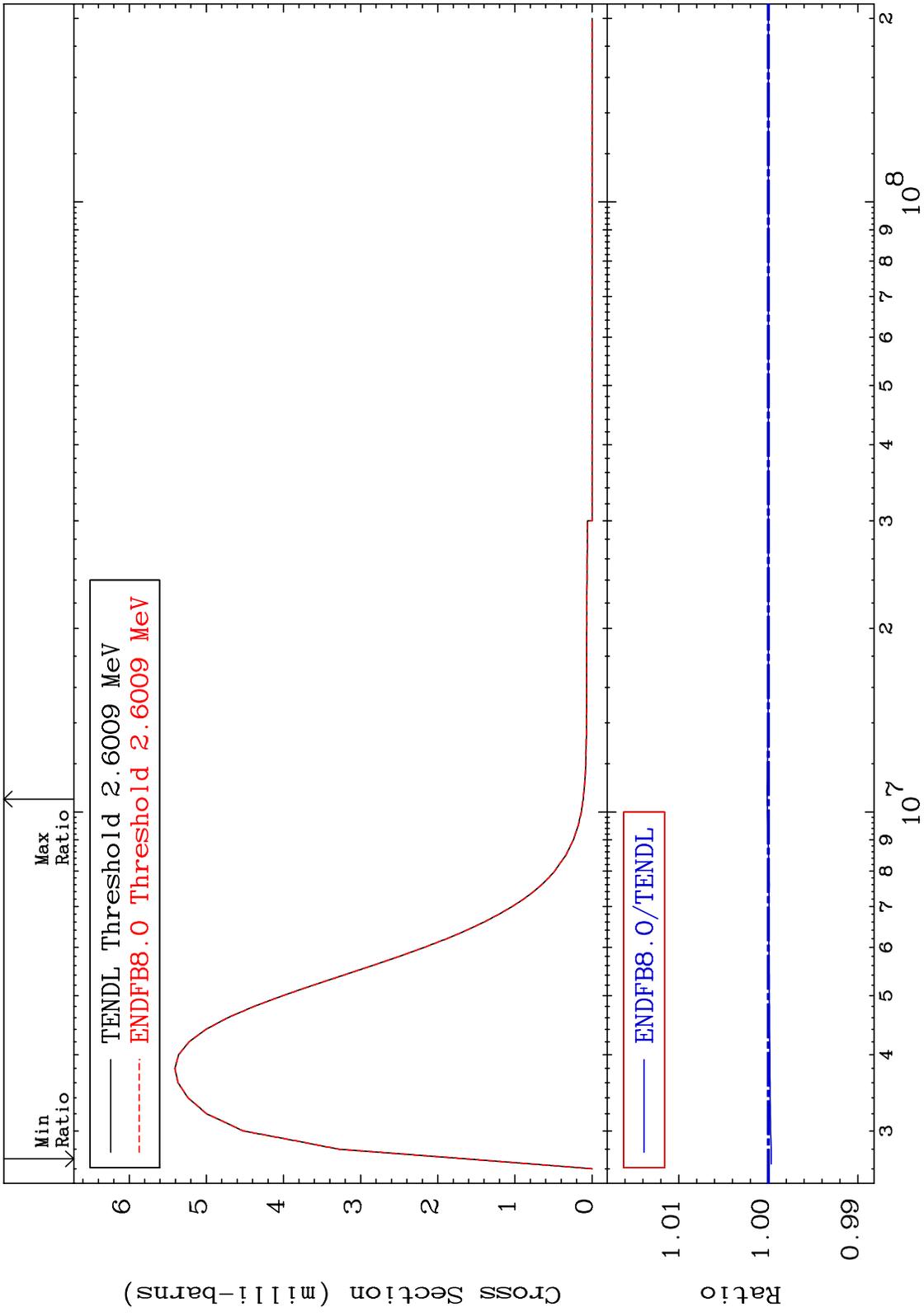
Incident Energy (eV)

42-Mo-93

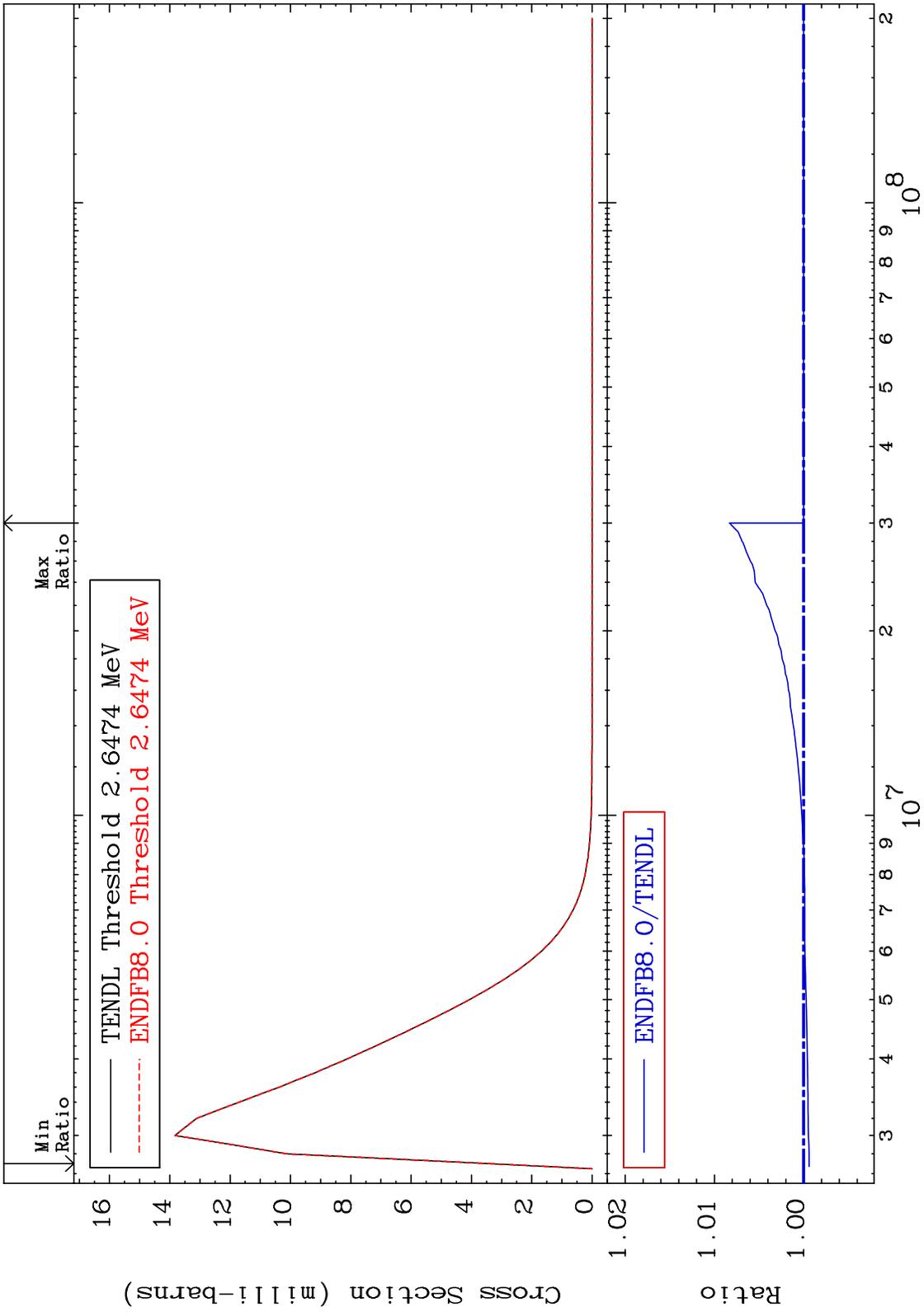
MAT 4228 MT= 77 (n,n') Level Cross Section -0.062 To 0.832 % 42-Mo-93



MAT 4228 MT= 78 (n,n') Level Cross Section 42-Mo-93
 -0.033 To 0.011 %



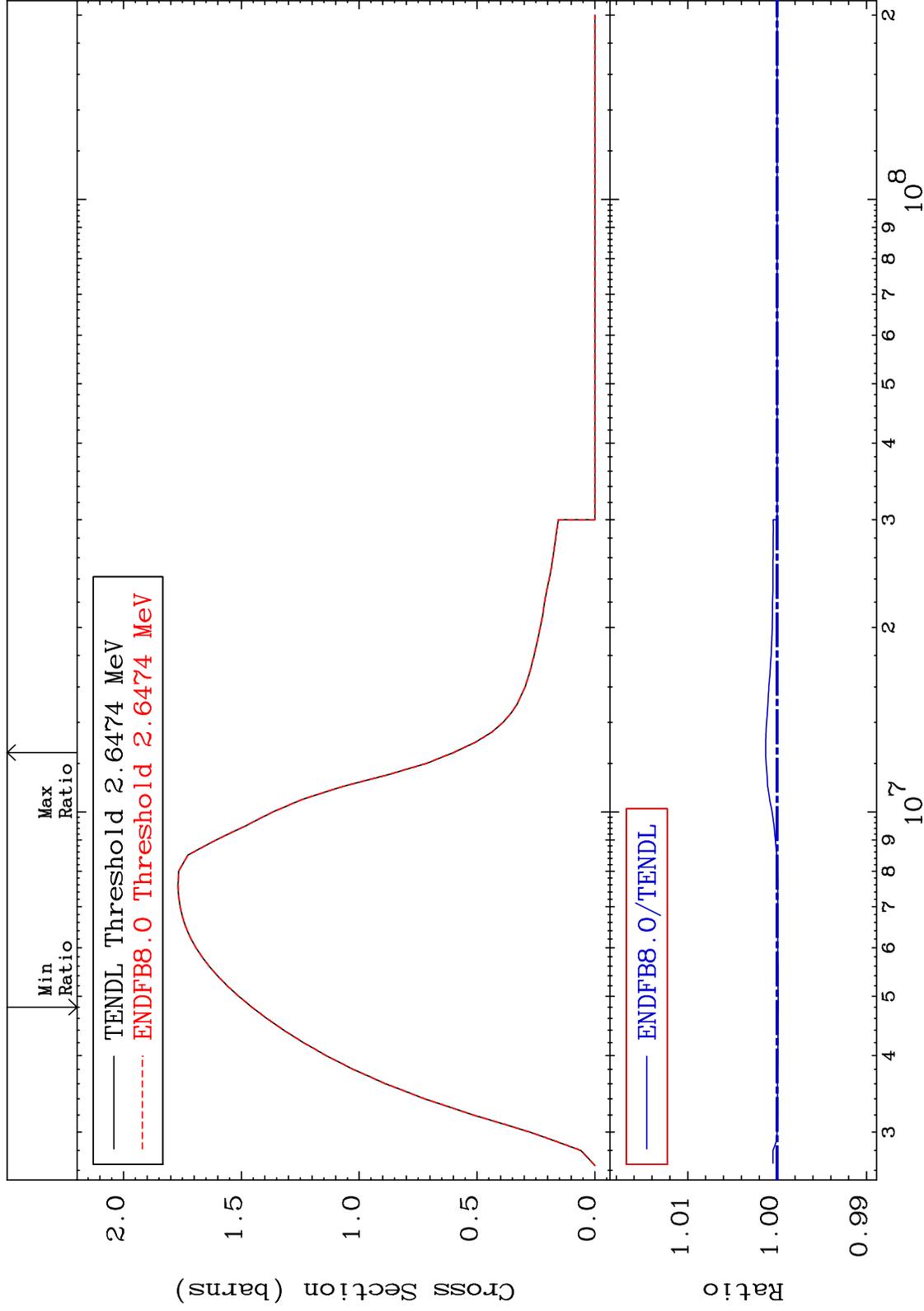
MAT 4228 MT= 79 (n,n') Level Cross Section 42-Mo-93
 -0.062 To 0.832 %



MAT 4228

(n,n') Continuum
Cross Section

42-Mo-93
-0.011 To 0.129 %



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Incident Energy (eV)

42-Mo-93

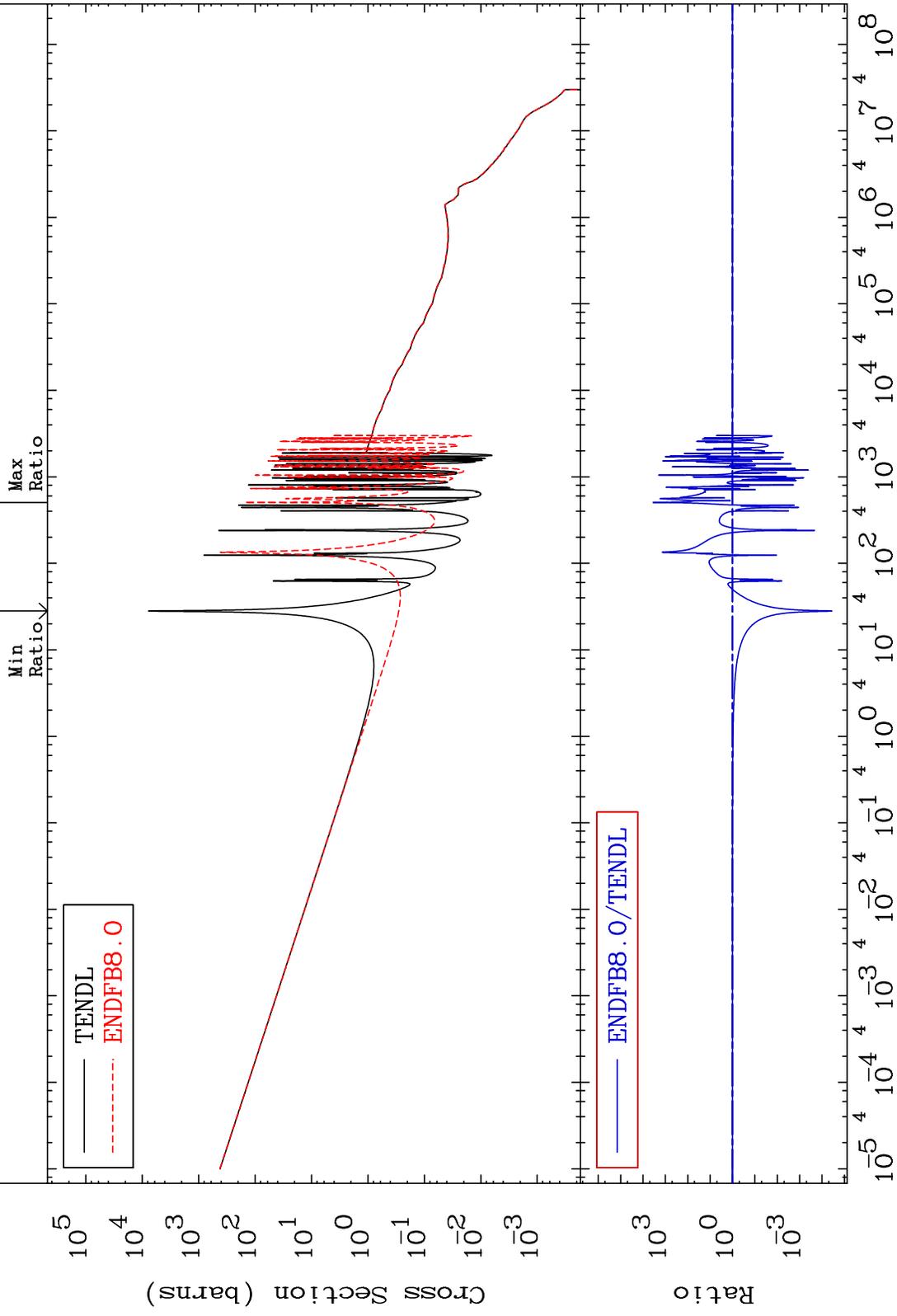
MAT 4228

42-Mo-93

-100.0 To 9999. %

(n, γ)

Cross Section



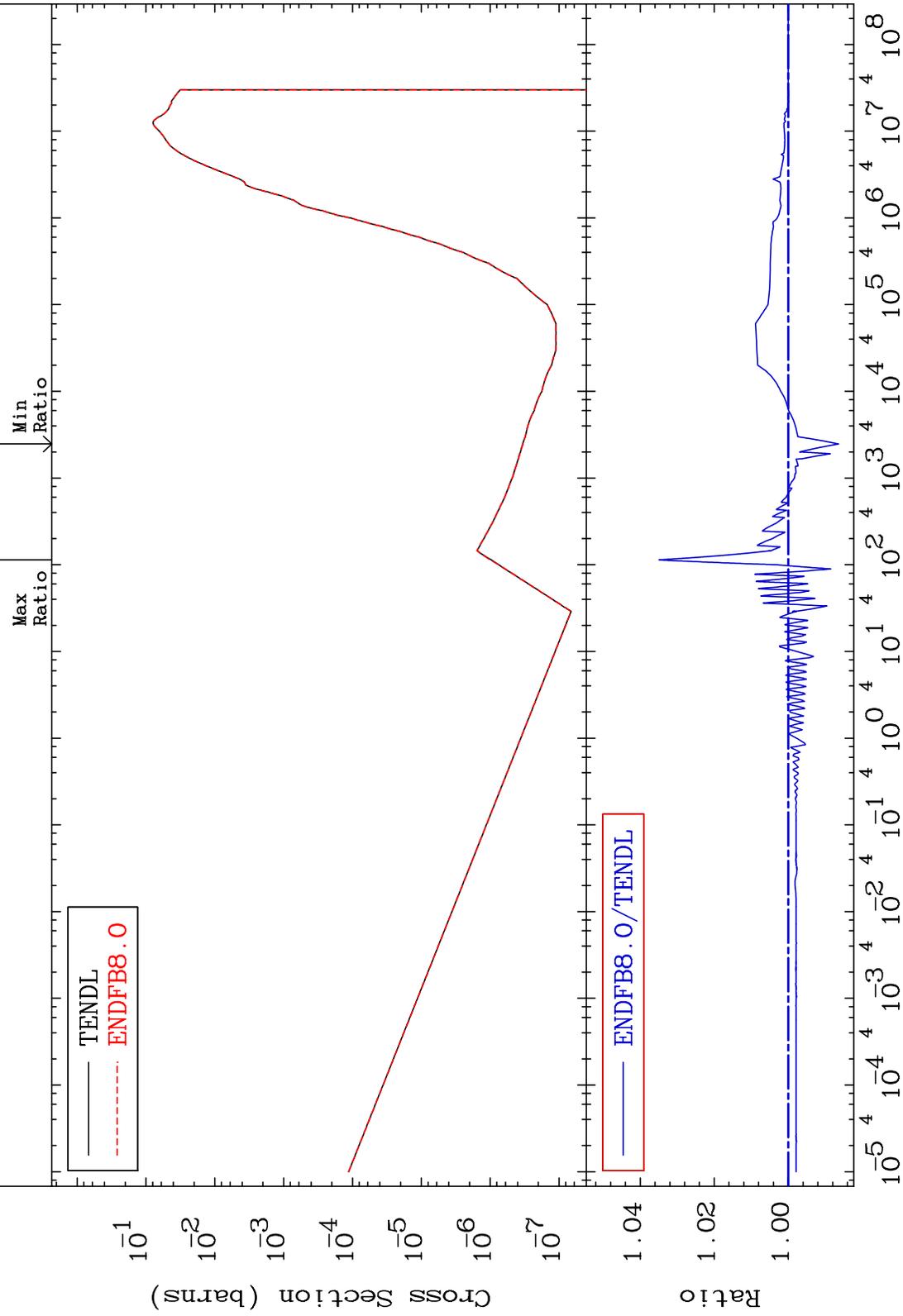
MAT 4228

(n,p)

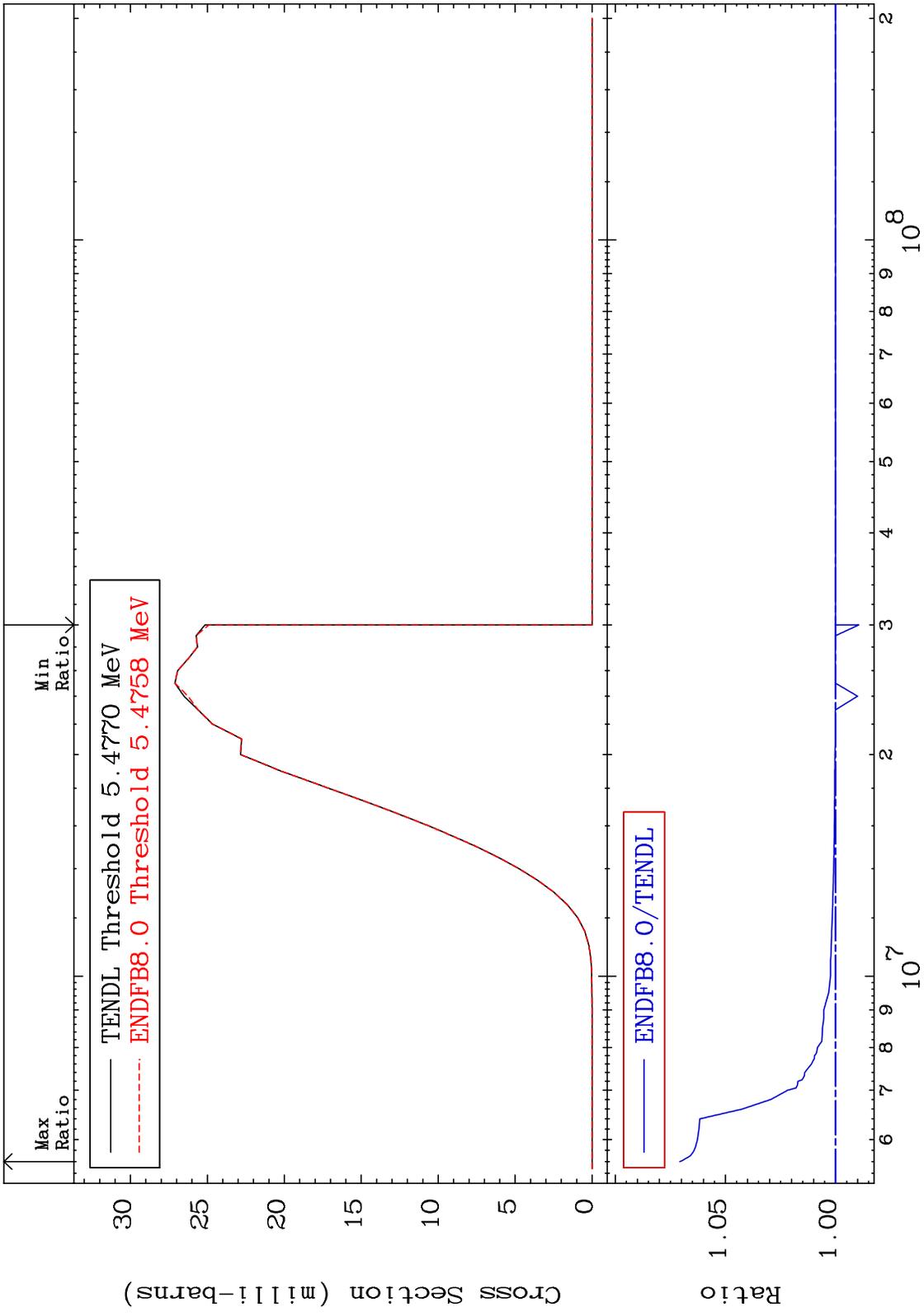
42-Mo-93

-1.358 To 3.492 %

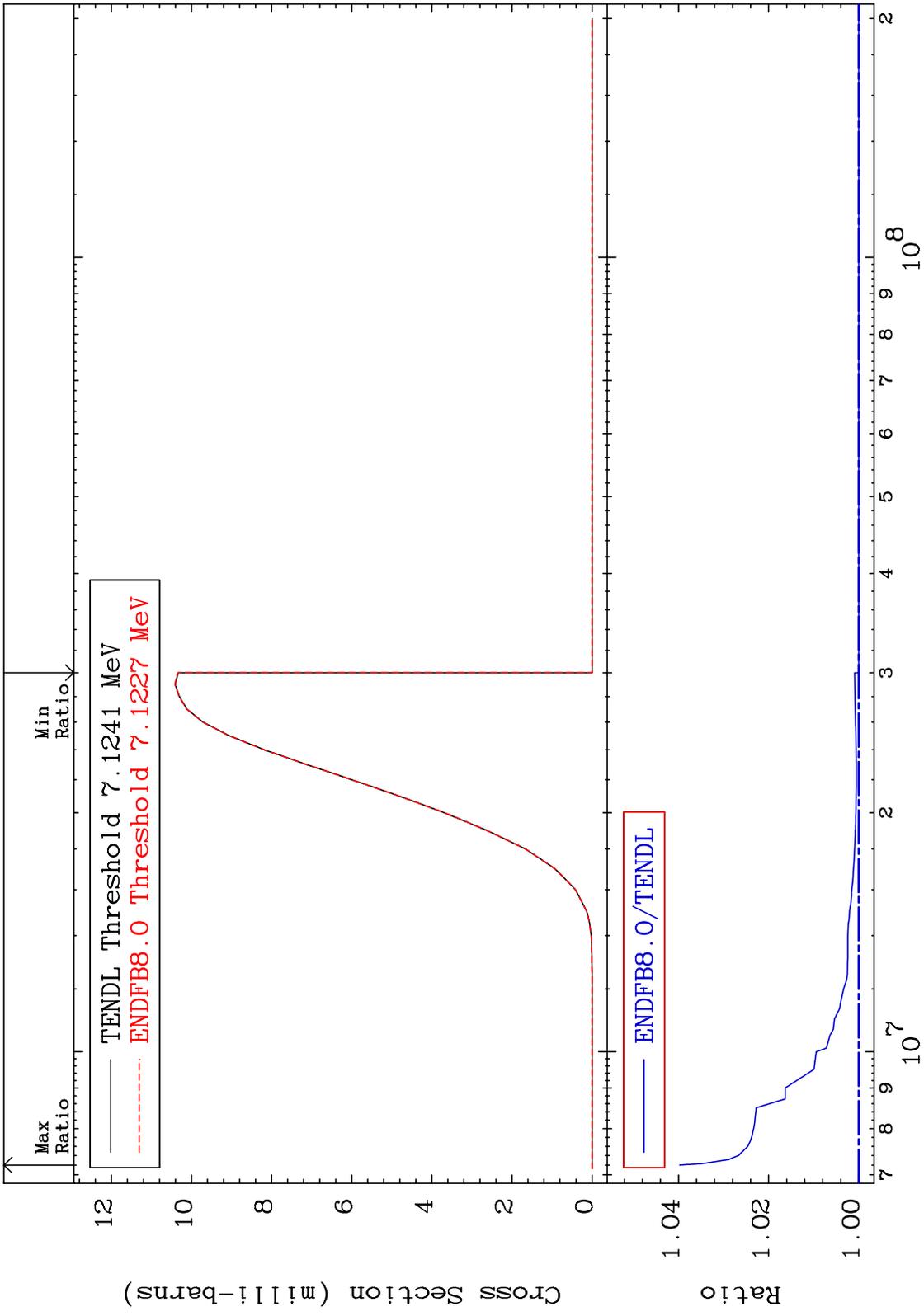
Cross Section



MAT 4228 (n,d) Cross Section 42-Mo-93 -1.051 To 7.077 %



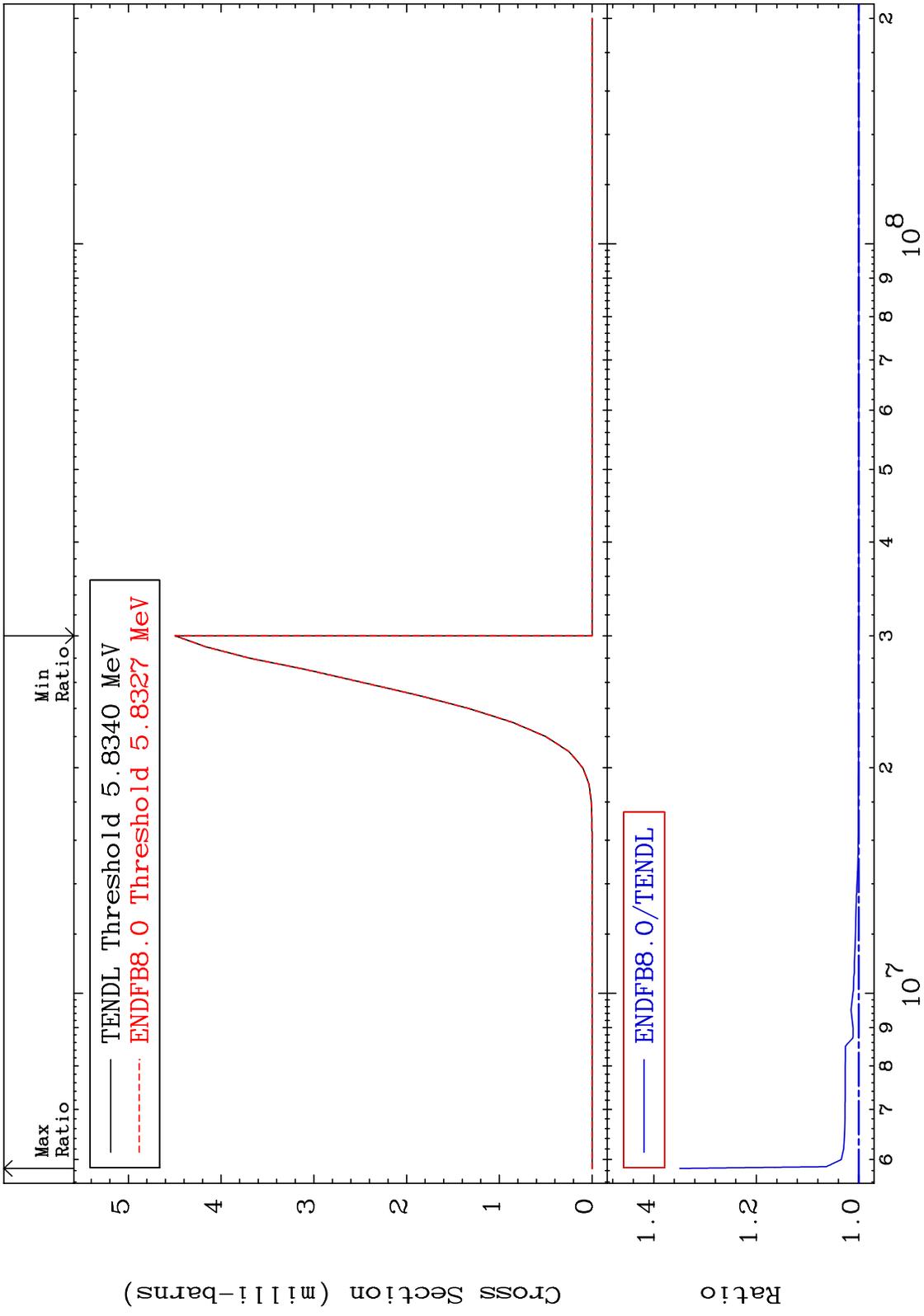
MAT 4228 (n,t) Cross Section 42-Mo-93 To 3.972 %



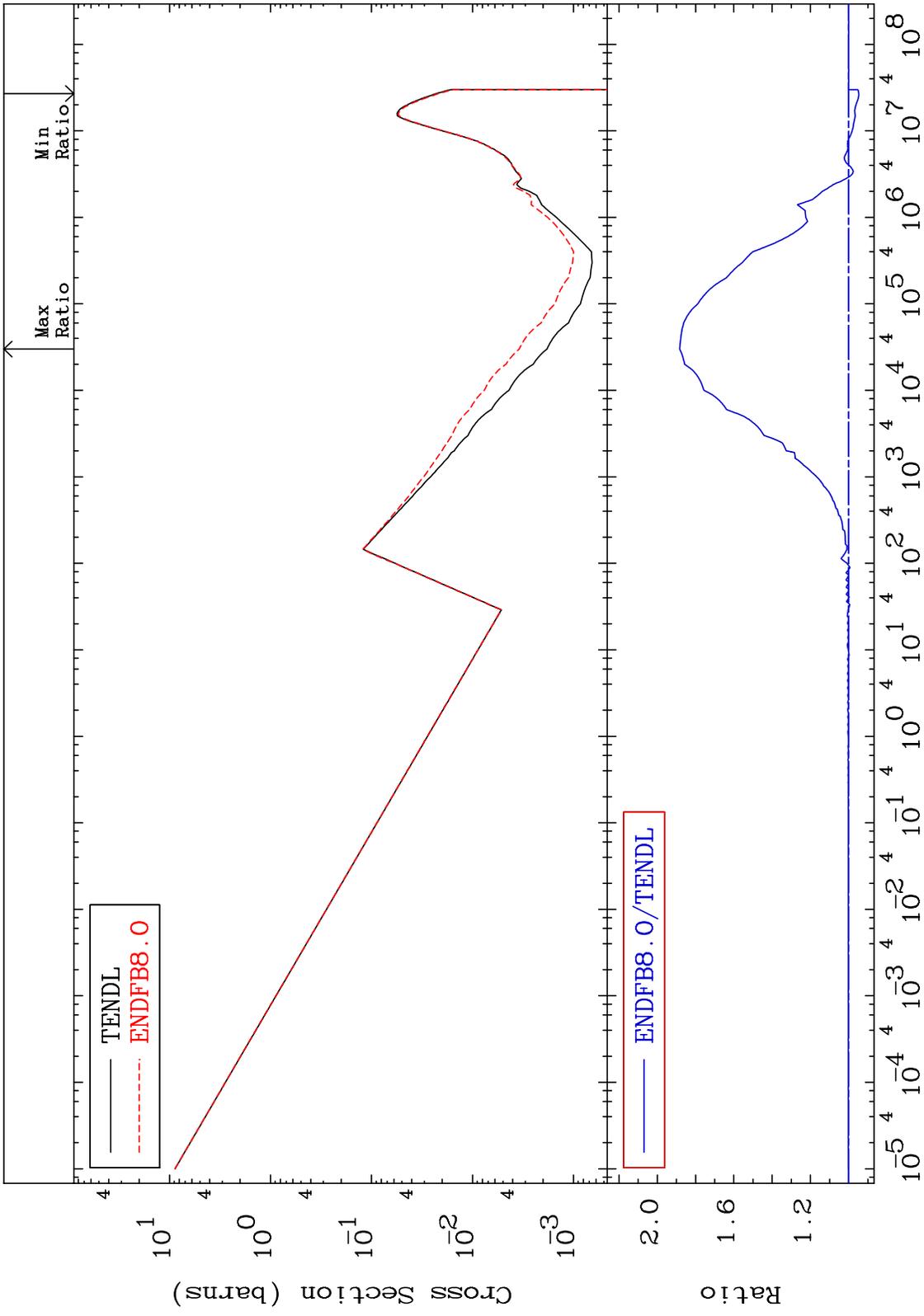
42-Mo-93

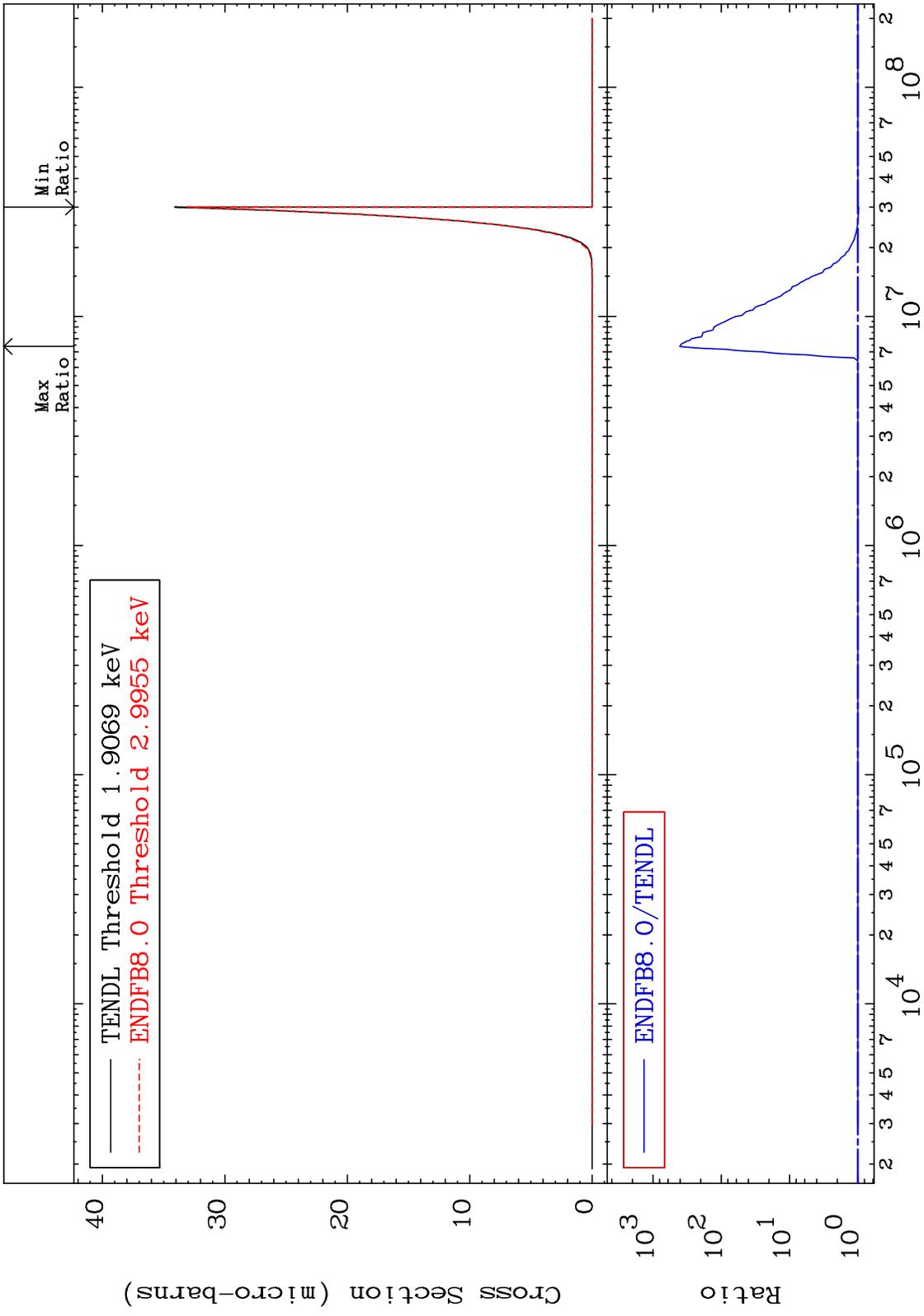
Incident Energy (eV)

MAT 4228 (n, He-3) Cross Section 42-Mo-93 To 34.93 %
0.000

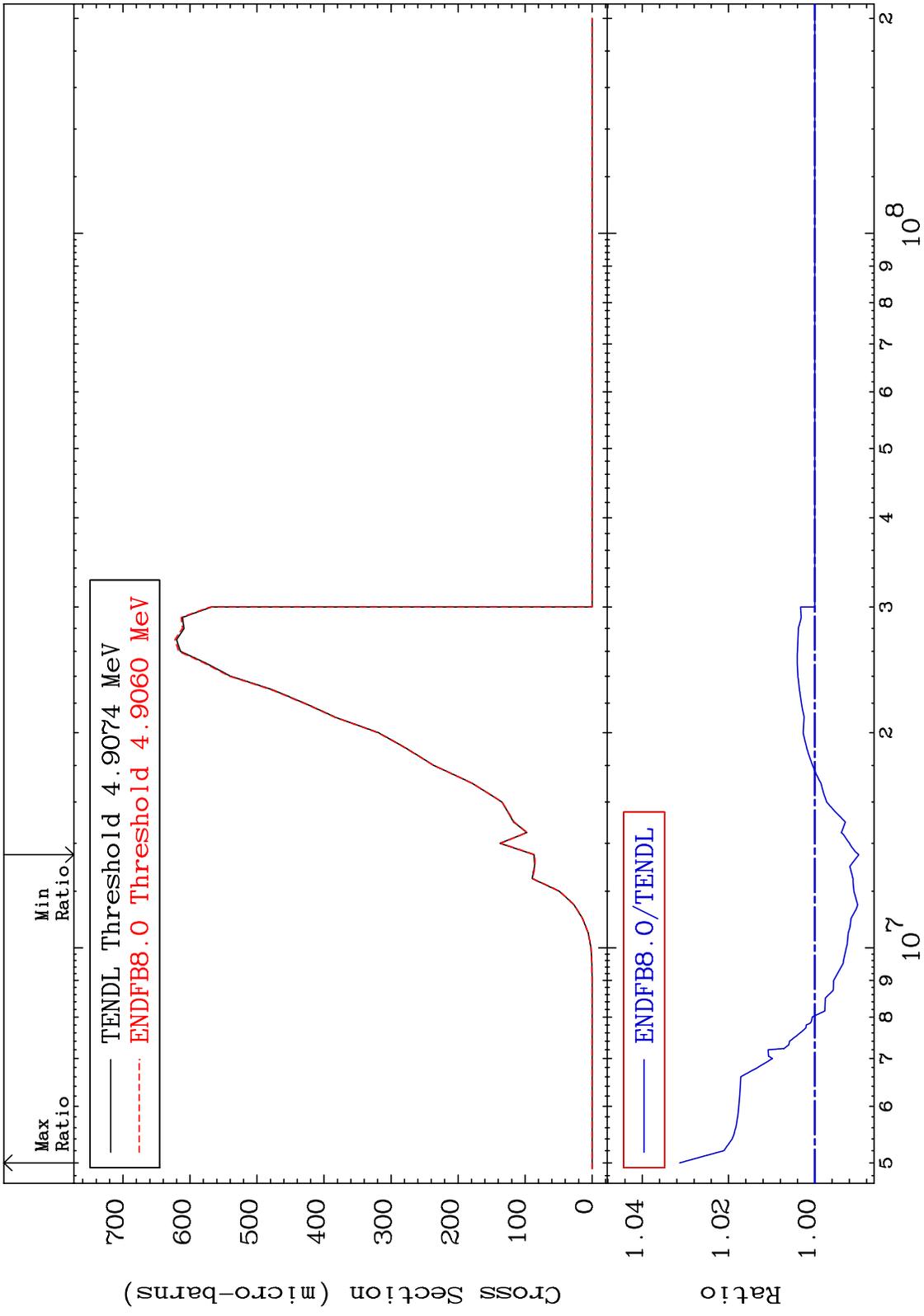


MAT 4228 (n,α) Cross Section 42-Mo-93 -5.245 To 88.25 %





MAT 4228 (n,2p) Cross Section 42-Mo-93 -1.020 To 3.132 %



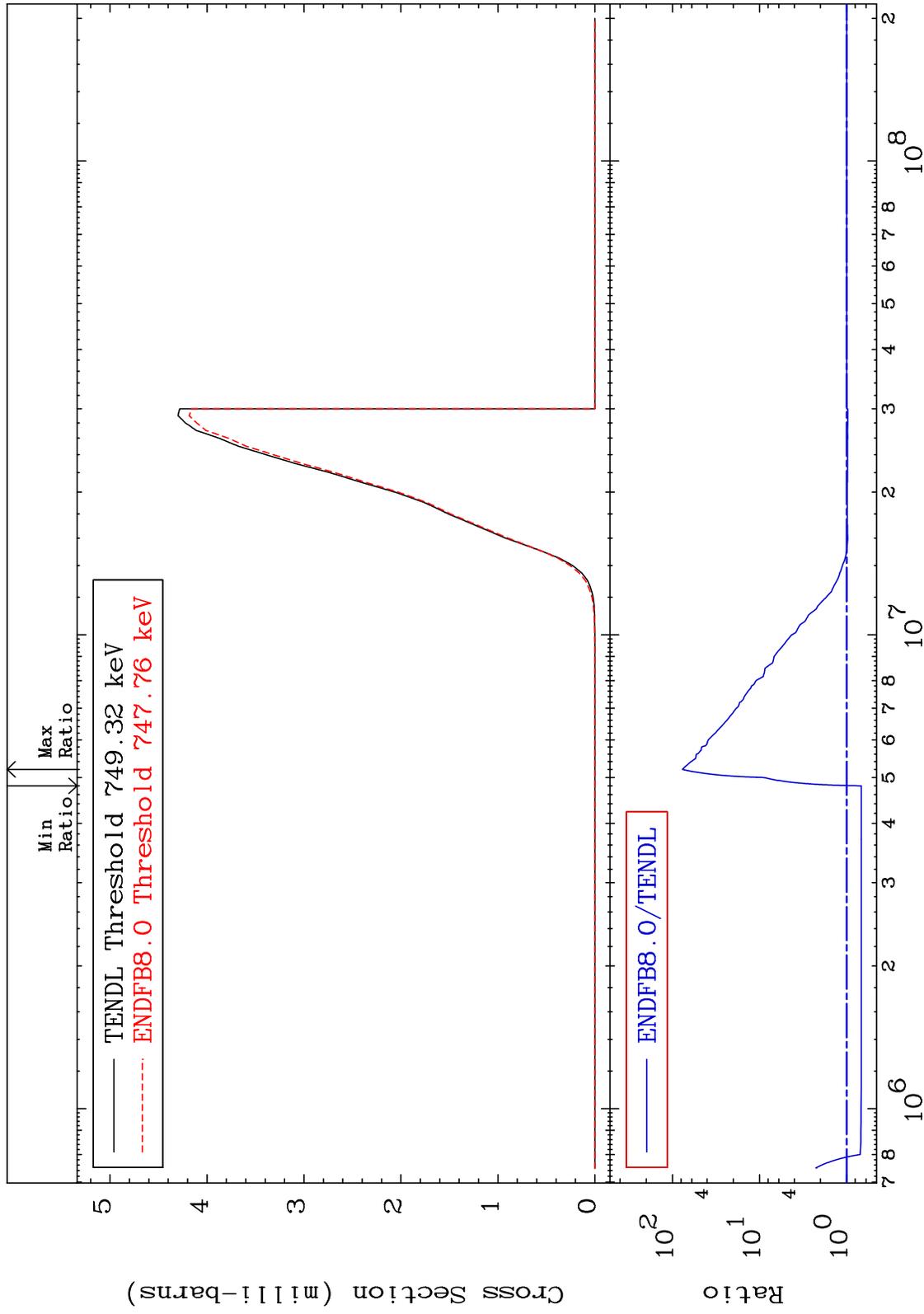
MAT 4228

(n,p) α

42-Mo-93

Cross Section

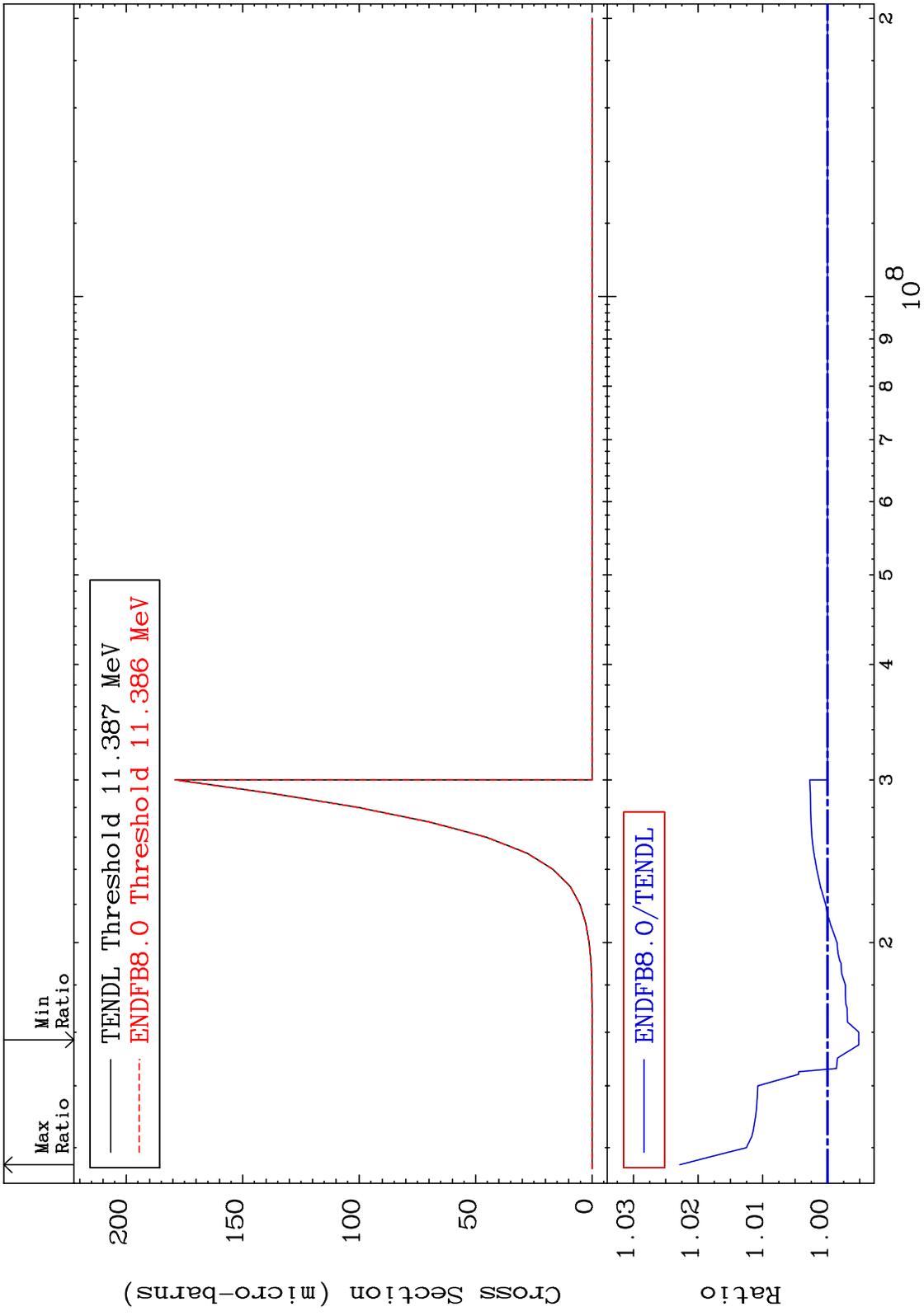
-32.14 To 7595. %



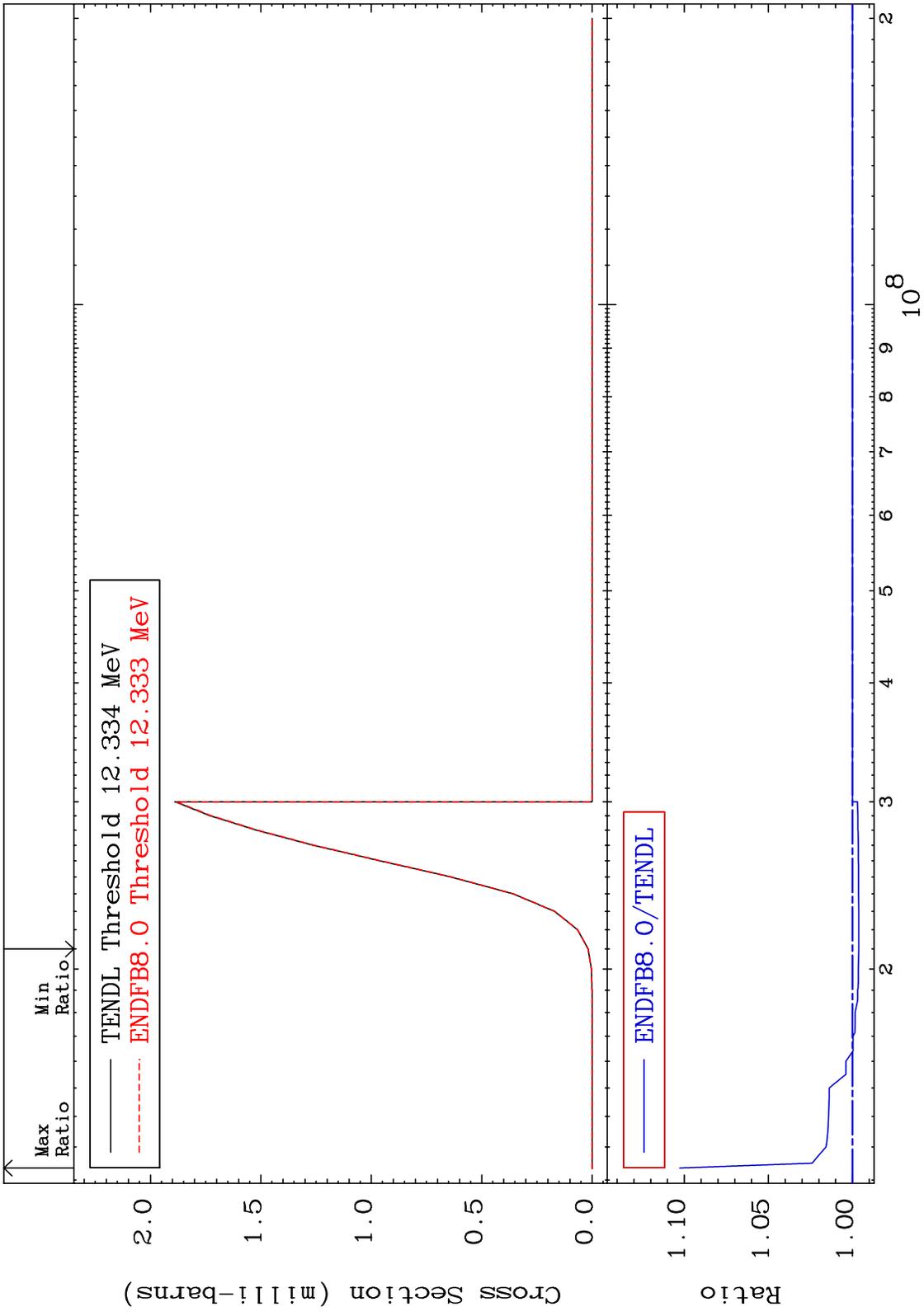
56

Incident Energy (eV)

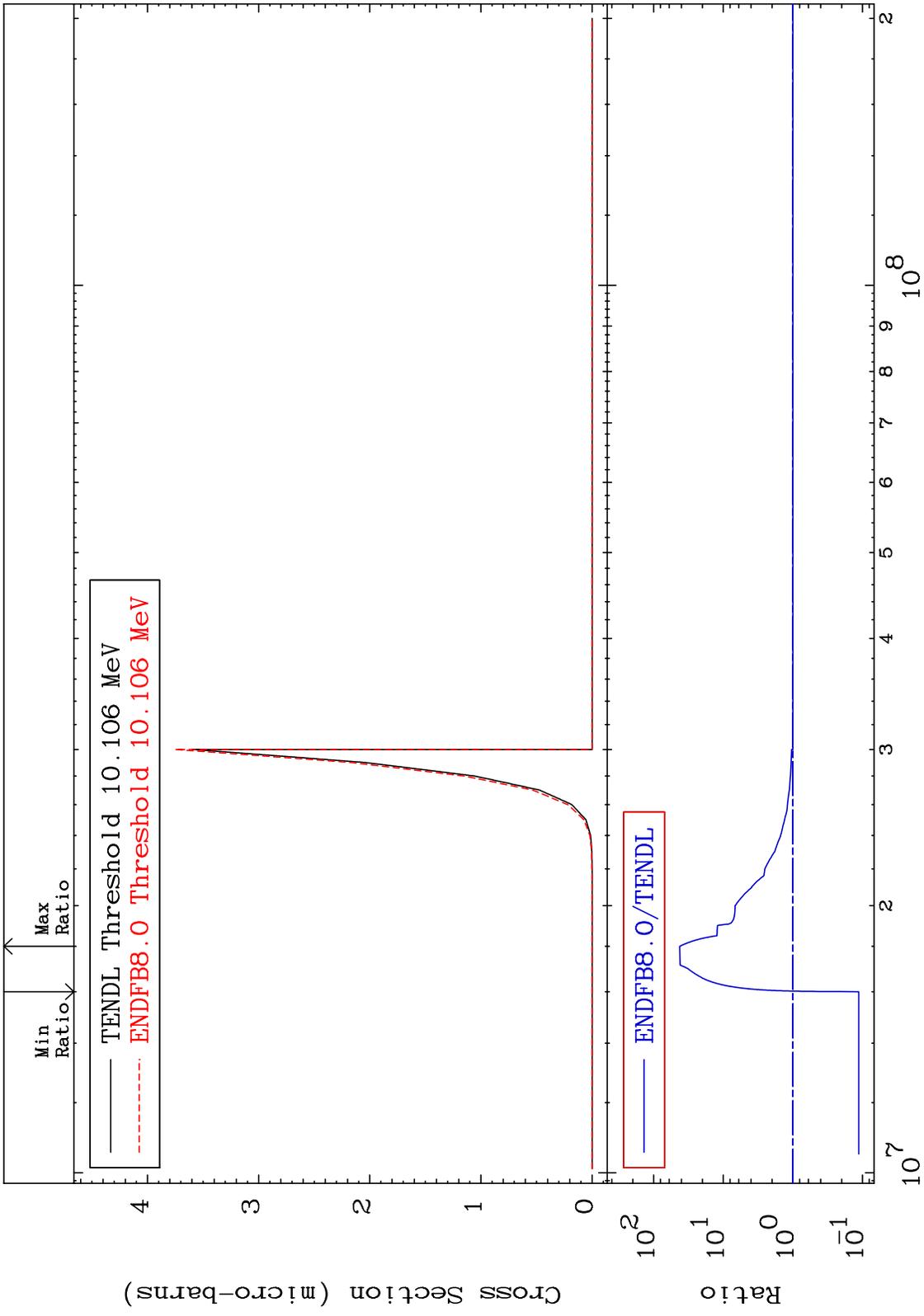
42-Mo-93



MAT 4228 (n,p) t 42-Mo-93
 Cross Section -0.378 To 10.27 %



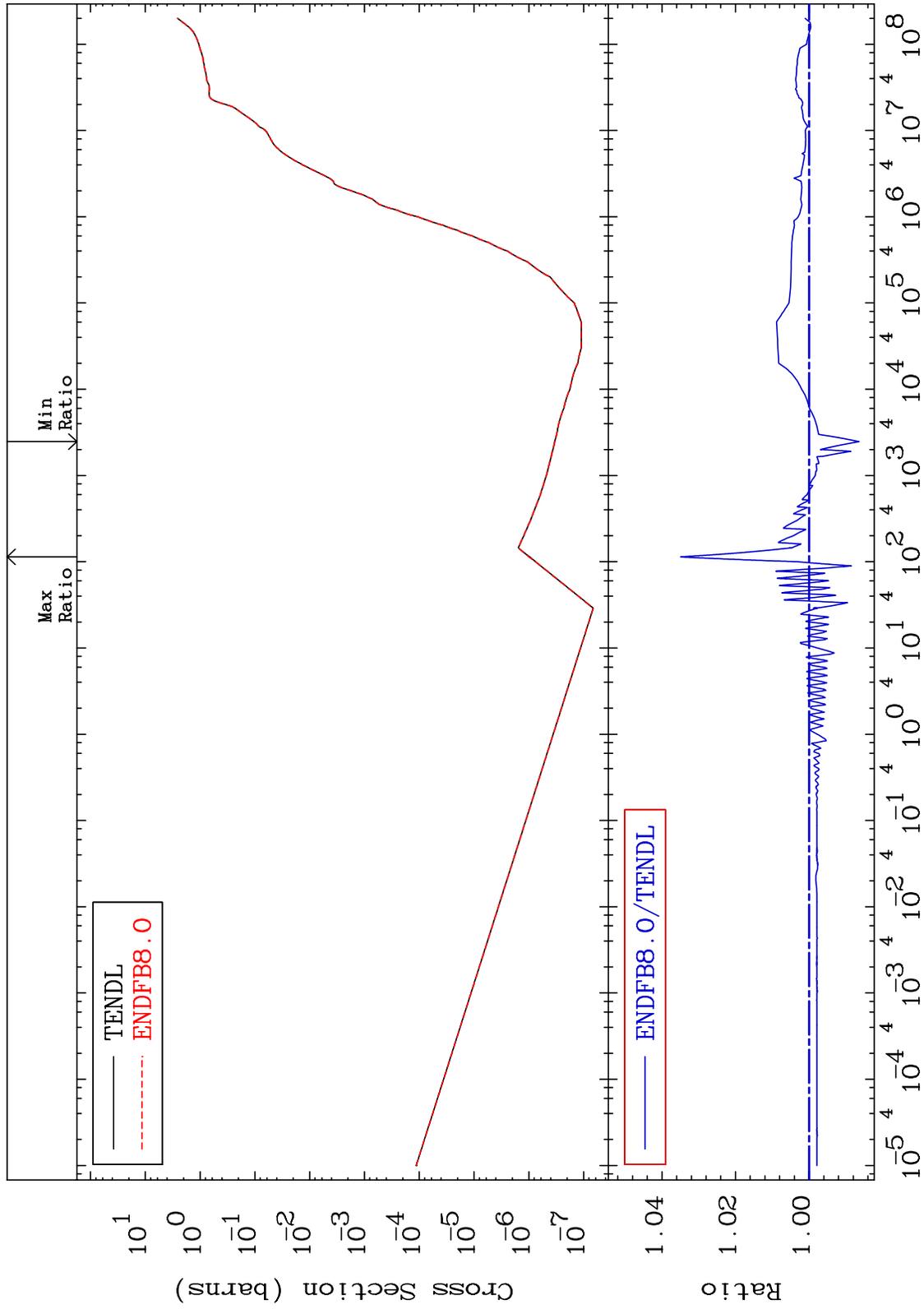
MAT 4228 (n,d) α 42-Mo-93
 Cross Section -88.69 To 4125. %



MAT 4228

Hydrogen Production
Cross Section

42-Mo-93
-1.358 To 3.492 %

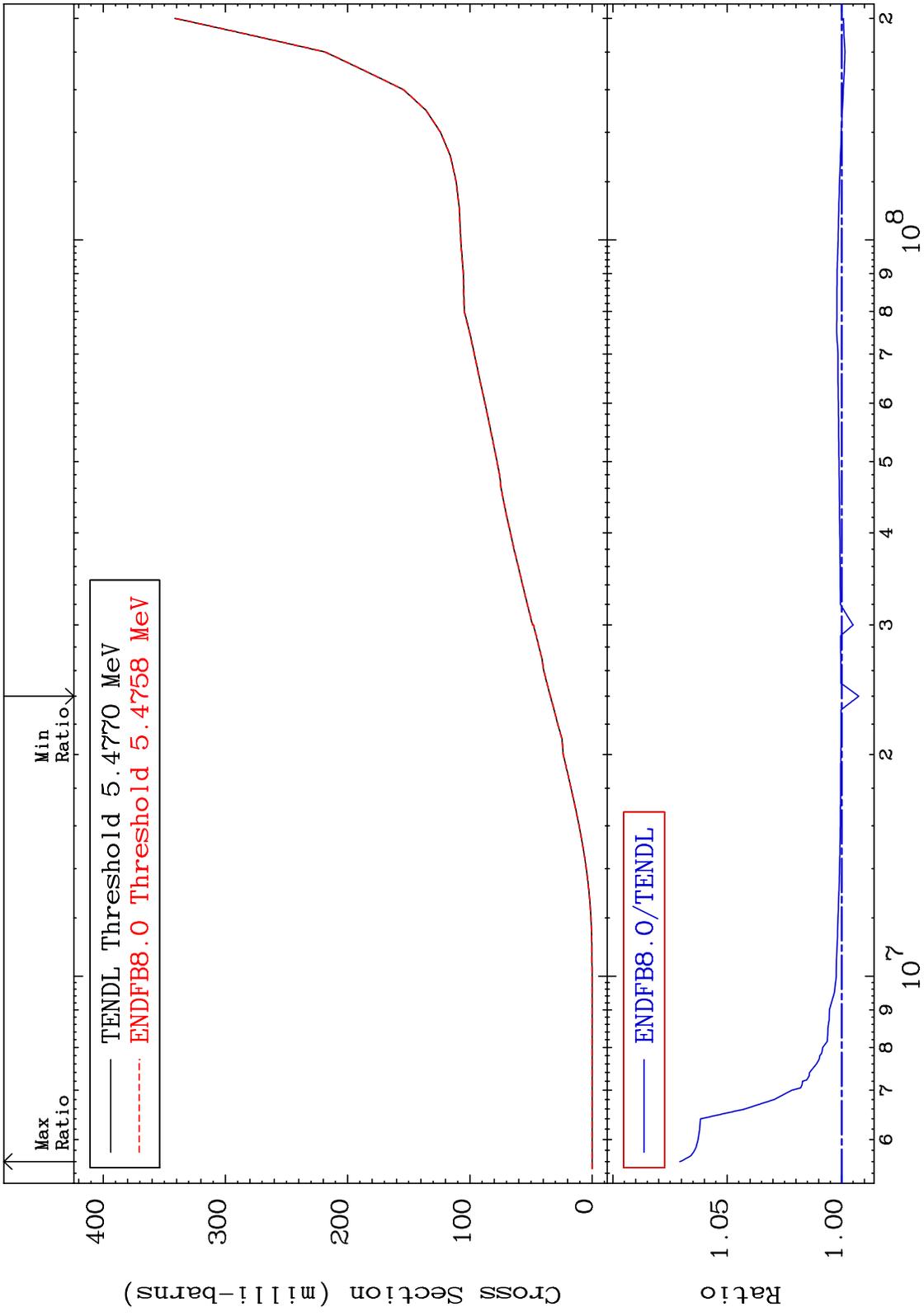


60

Incident Energy (eV)

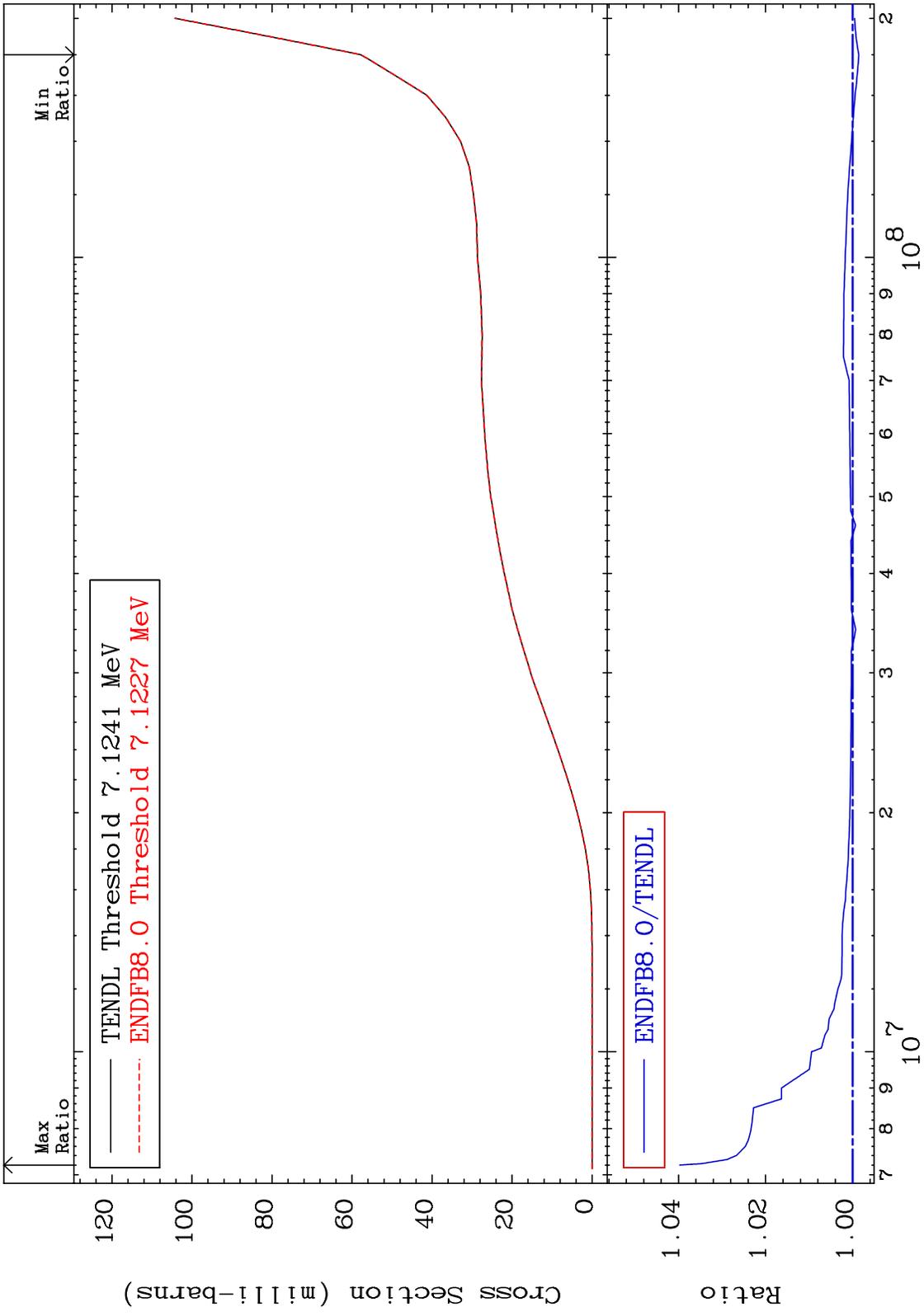
42-Mo-93

MAT 4228 Deuterium Production Cross Section 42-Mo-93 -0.750 To 7.077 %



61 42-Mo-93

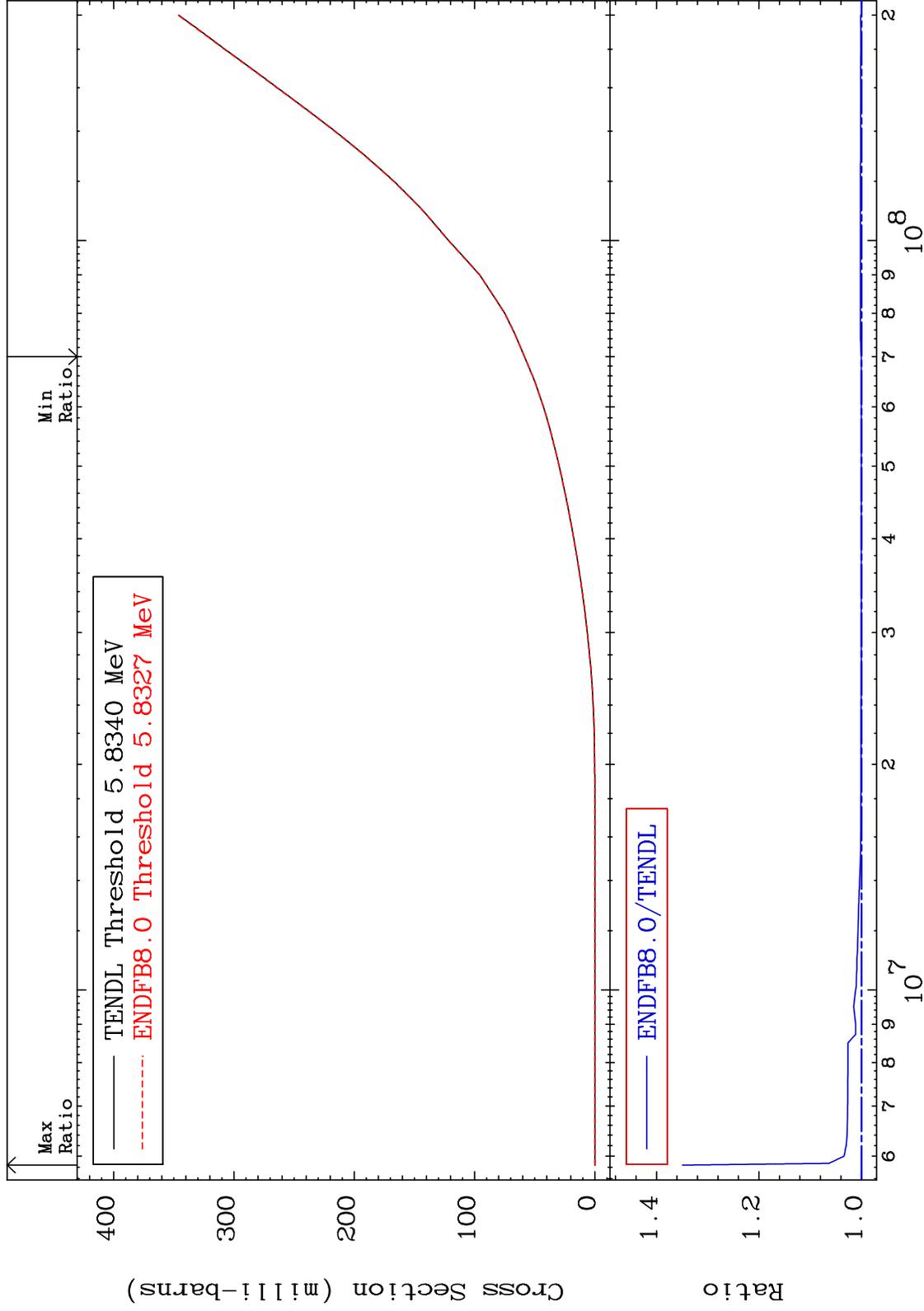
MAT 4228 Tritium Production Cross Section 42-Mo-93
 -0.141 To 3.972 %



MAT 4228

He-3 Production
Cross Section

42-Mo-93
0.016 To 34.93 %



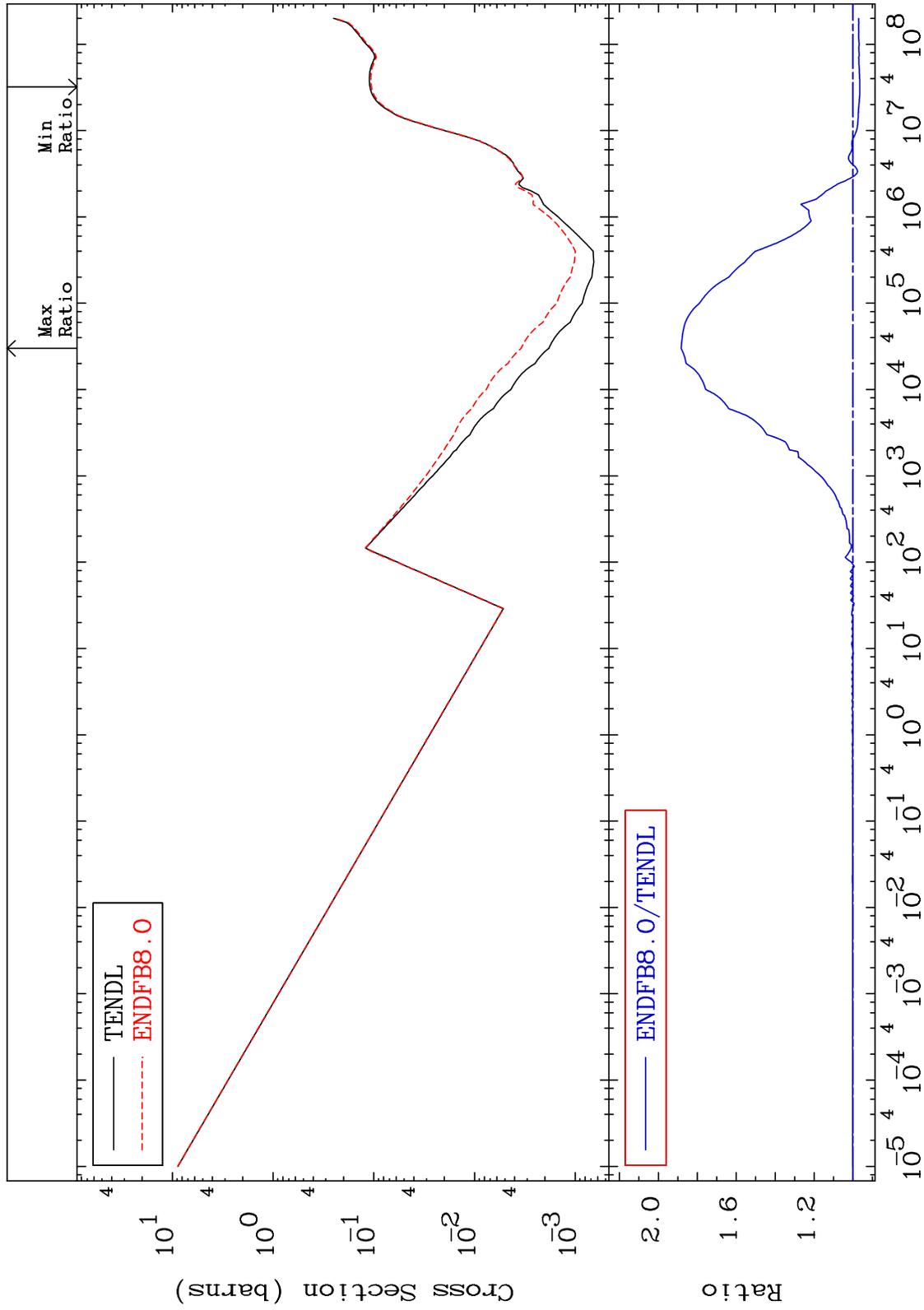
63

42-Mo-93

MAT 4228

He-4 Production
Cross Section

42-Mo-93
-3.471 To 88.25 %

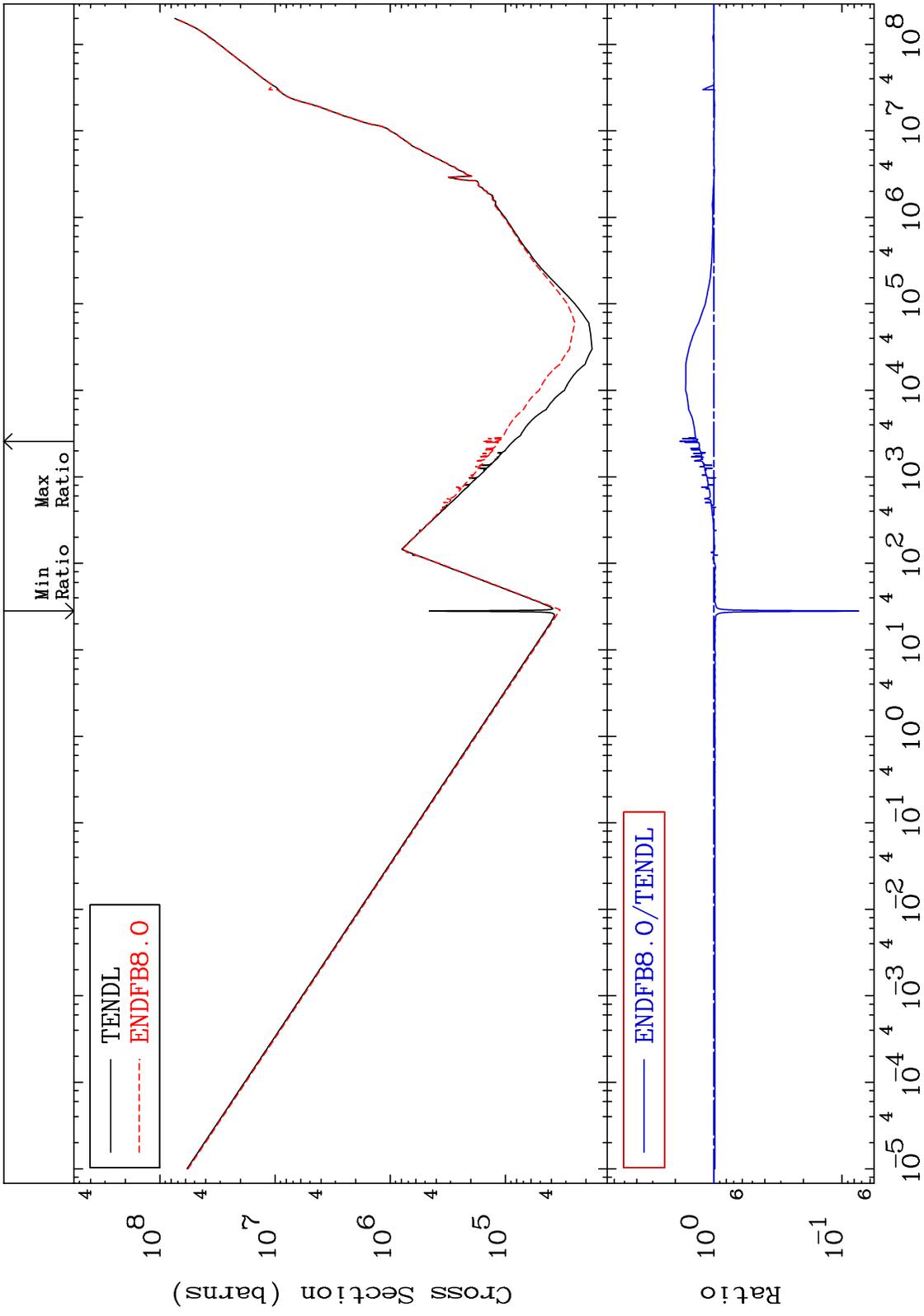


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Incident Energy (eV)

42-Mo-93

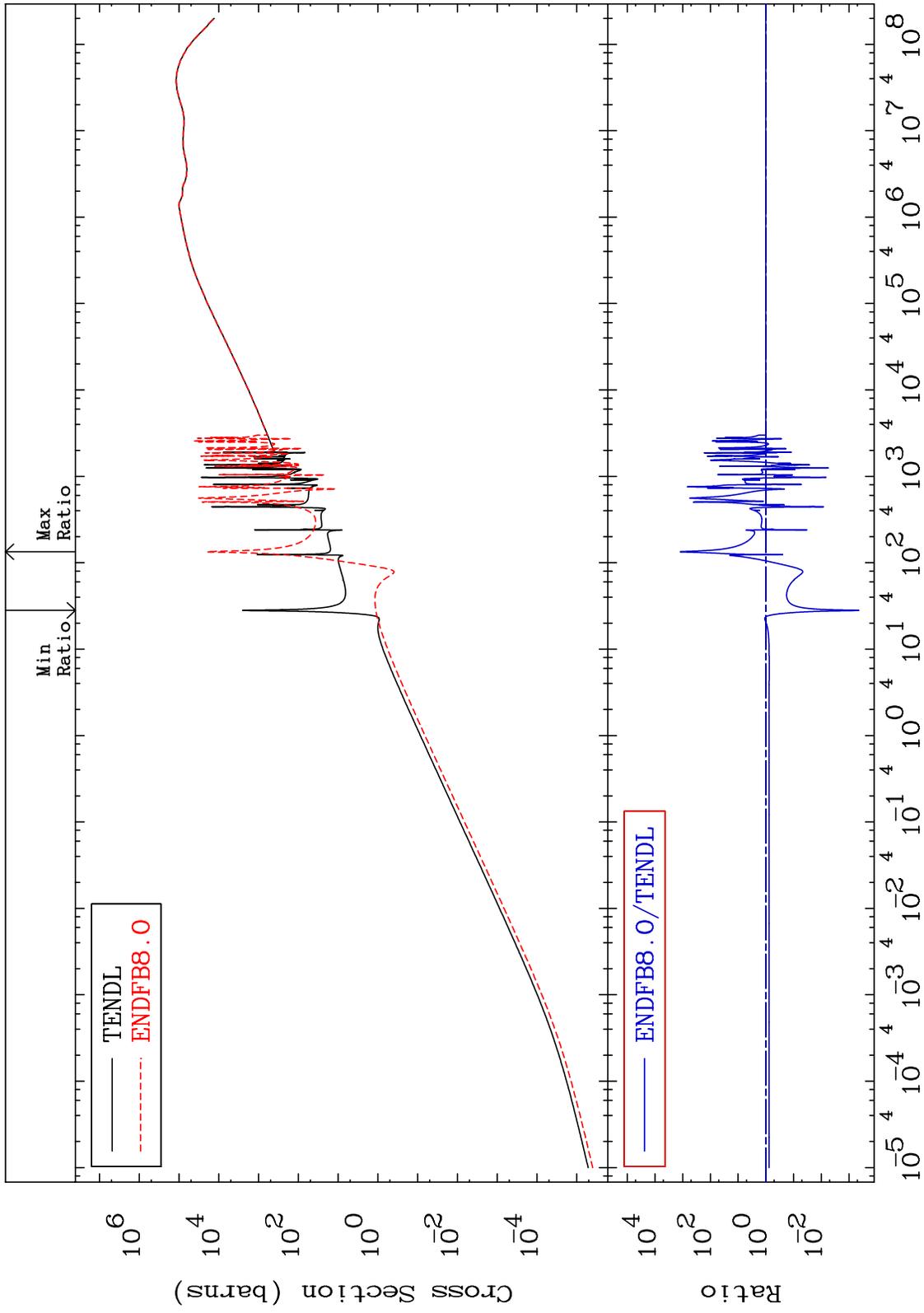
MAT 4228 Kerma total (eV-barns) 42-Mo-93
 Cross Section -92.63 To 84.74 %



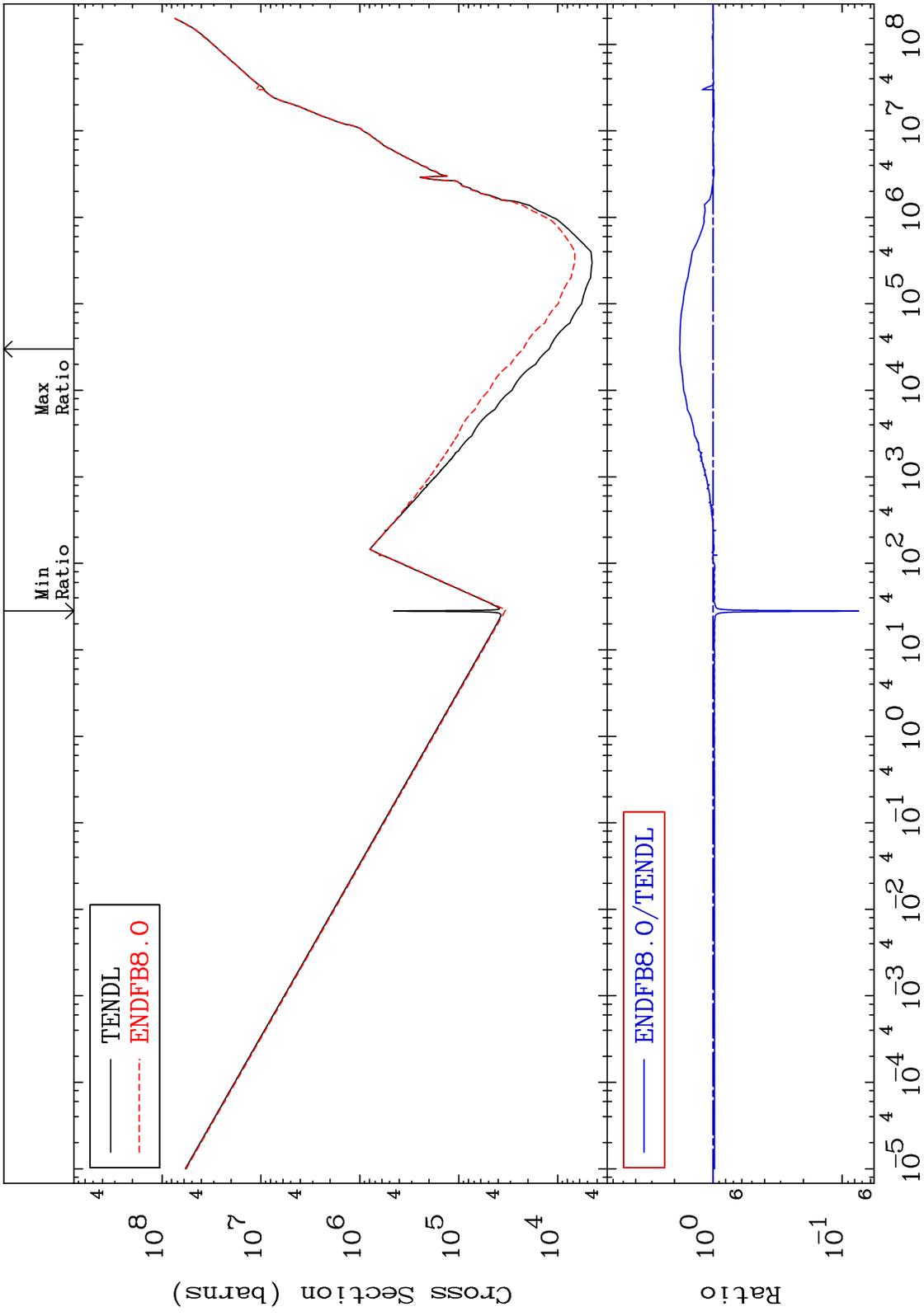
MAT 4228

Kerma elastic
Cross Section

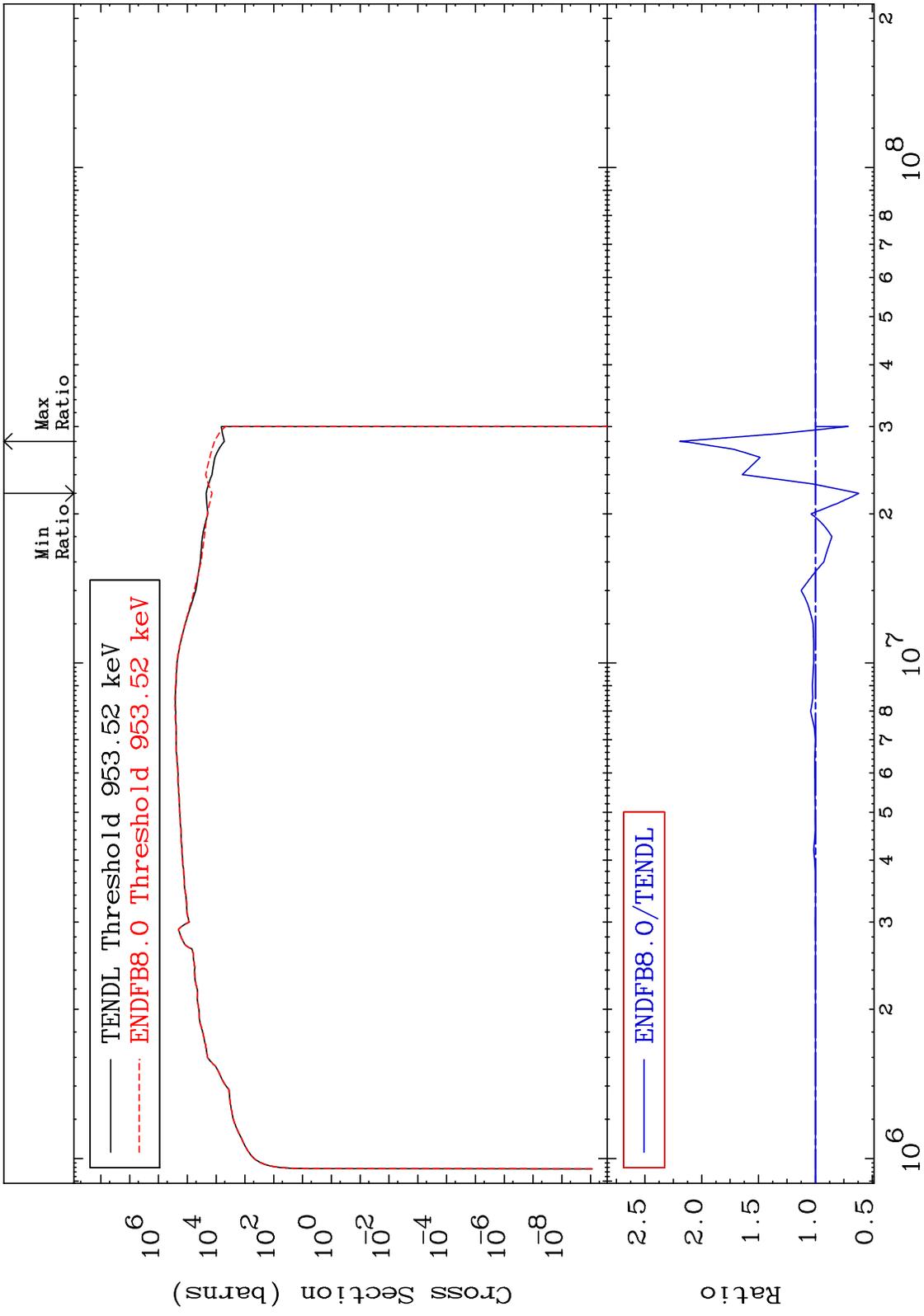
42-Mo-93
-99.96 To 9999. %



MAT 4228 Kerma non-elastic (all but mt.2) 42-Mo-93
Cross Section -92.59 To 82.06 %



MAT 4228 Kerma inelastic (mt51-91) 42-Mo-93
-38.16 To 119.3 %
Cross Section

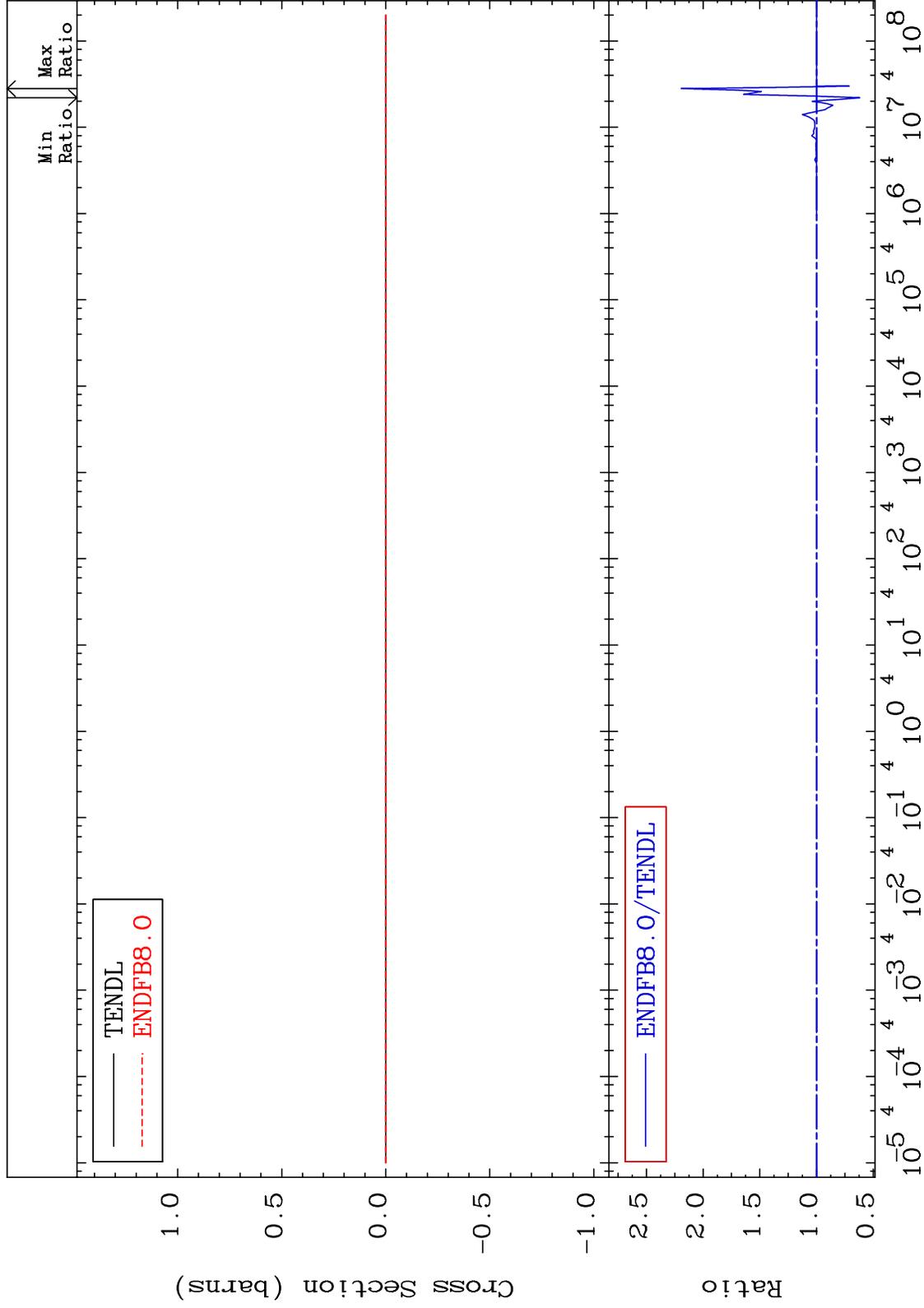


68 42-Mo-93

MAT 4228

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

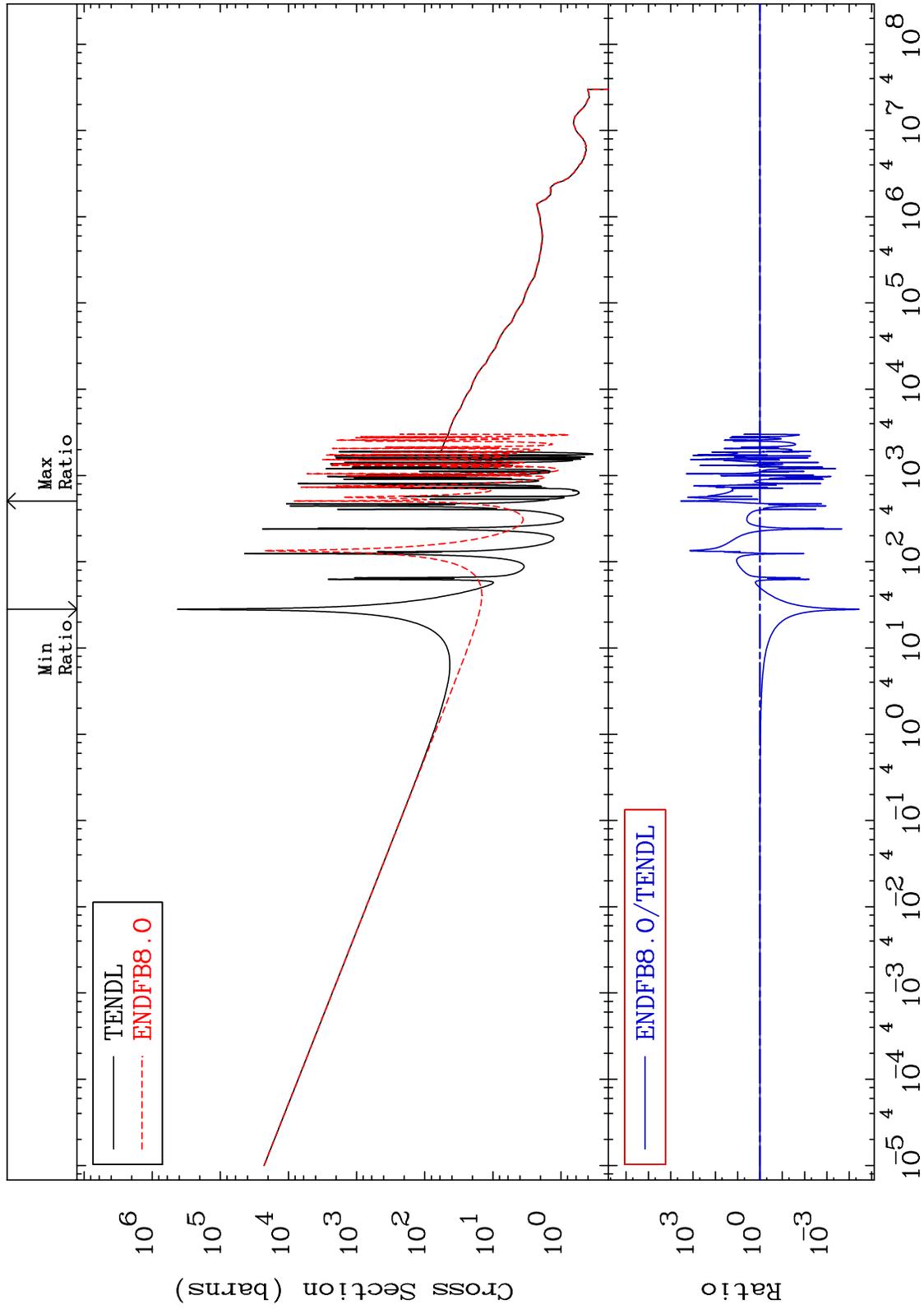
42-Mo-93
-38.16 To 119.3 %



MAT 4228

Kerma capture (mt102)
Cross Section

42-Mo-93
-100.0 To 9999. %



70

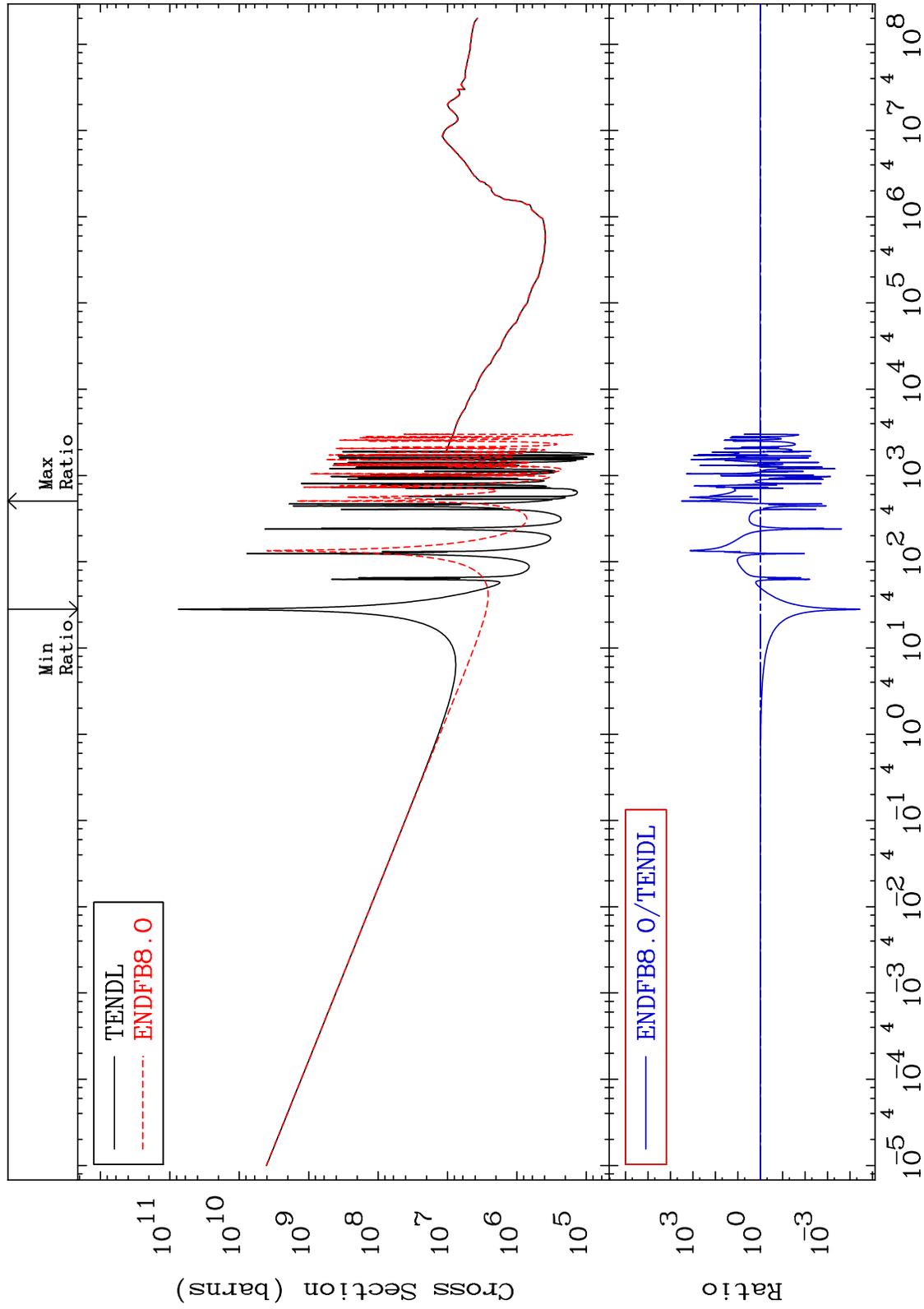
Incident Energy (eV)

42-Mo-93

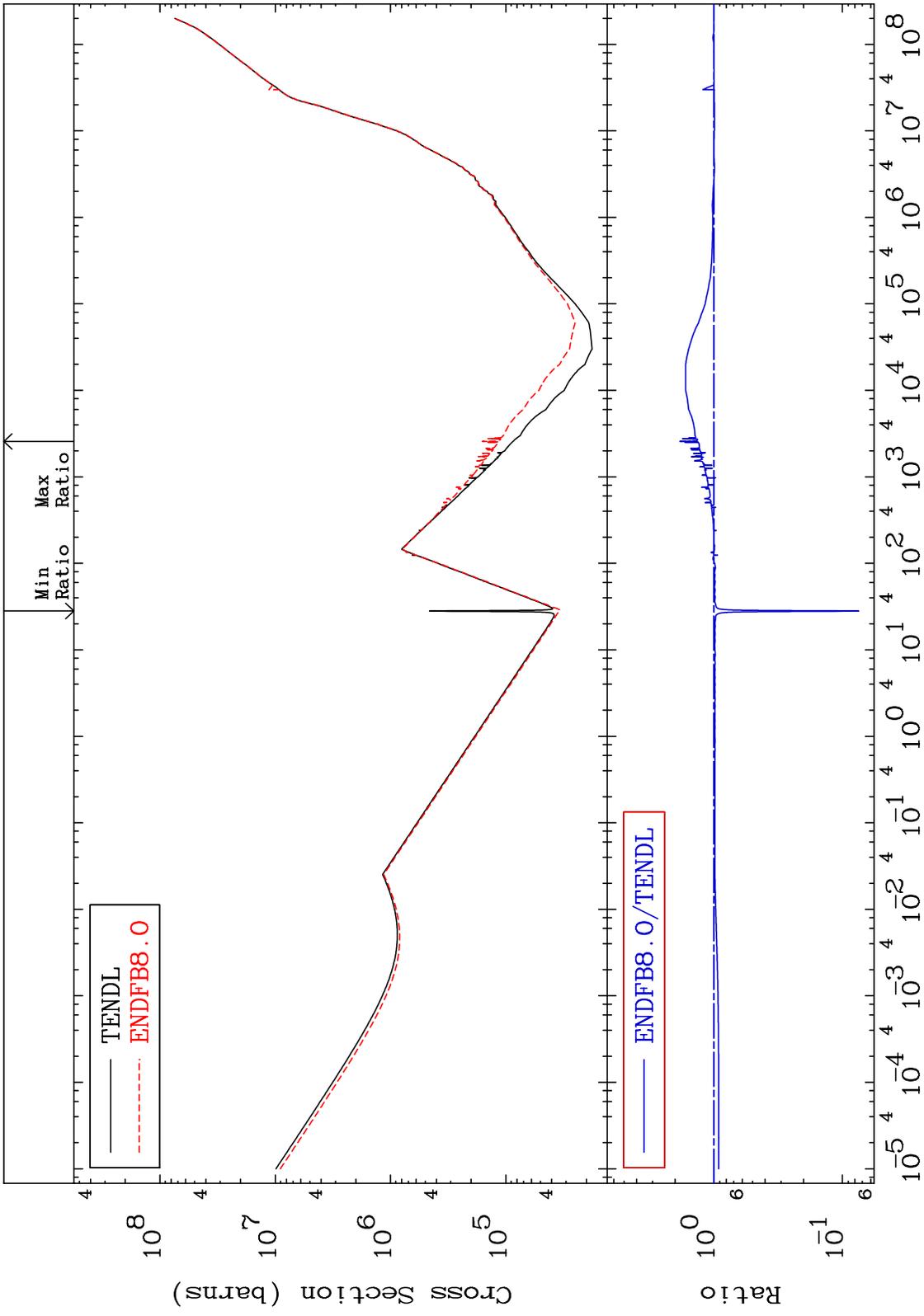
MAT 4228

Total photon (eV-barns)
Cross Section

42-Mo-93
-100.0 To 9999. %



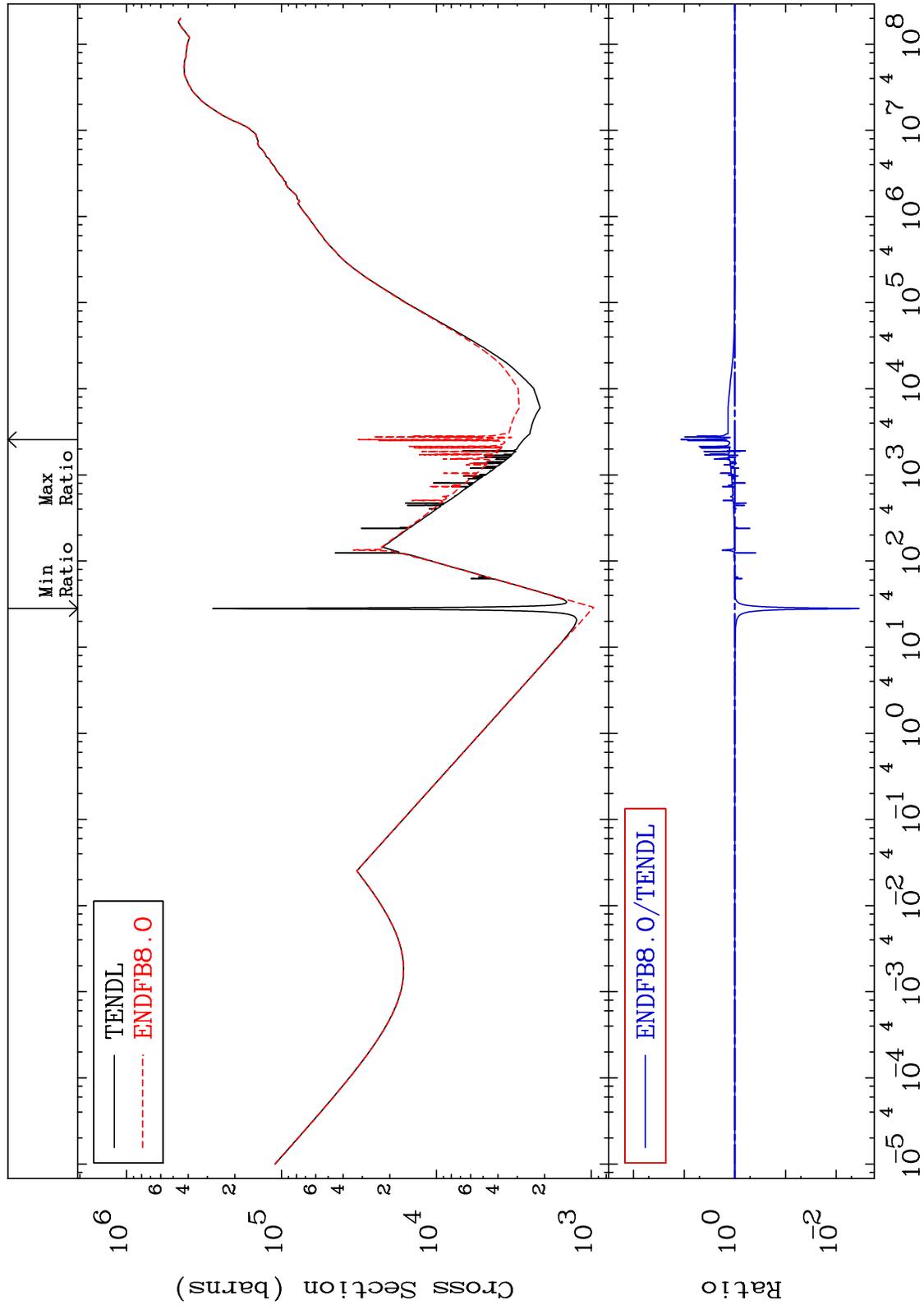
MAT 4228 Total kinematic kerma (high limit) 42-Mo-93
 Cross Section -92.56 To 84.21 %



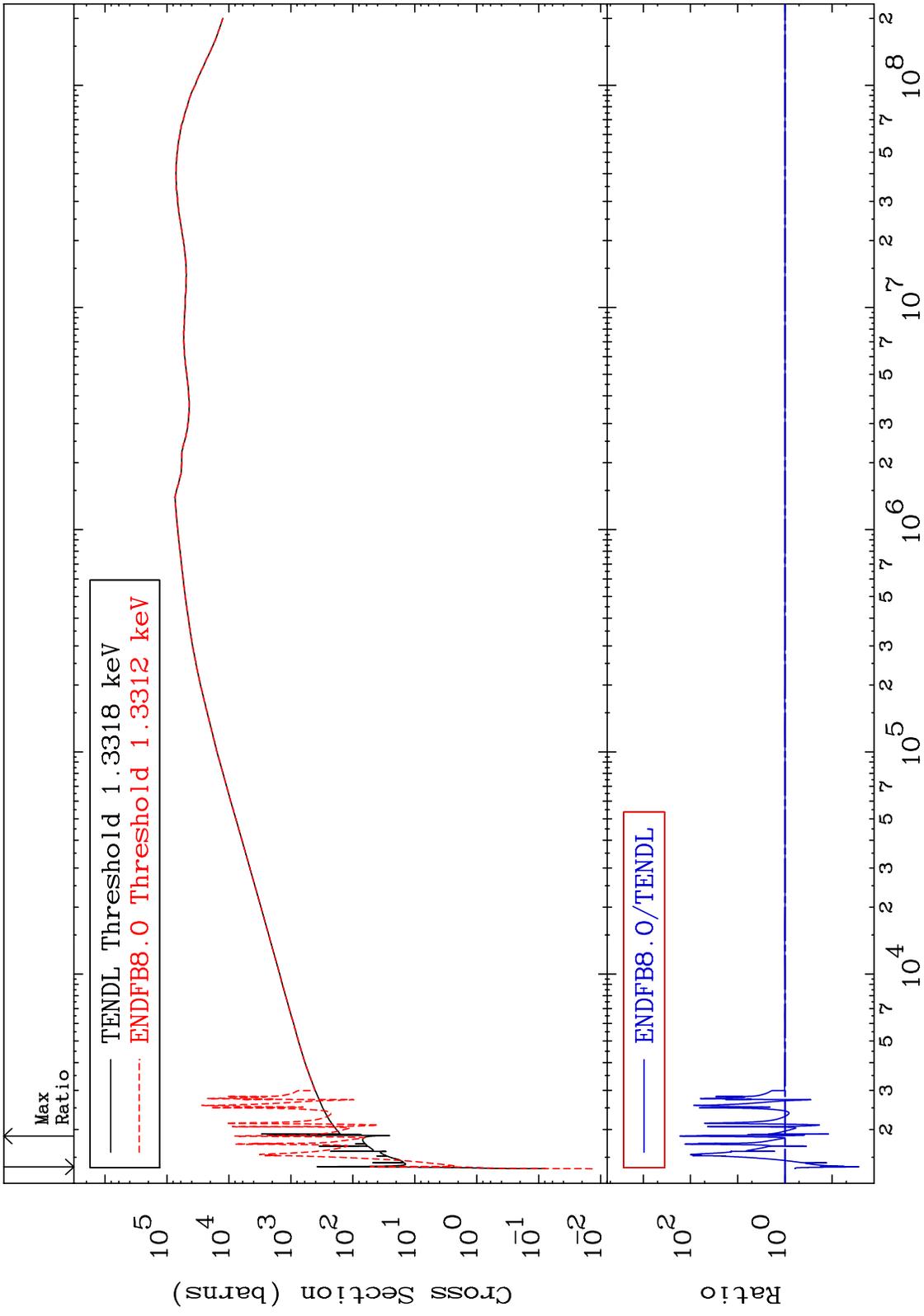
MAT 4228

Dpa total (eV-barns)
Cross Section

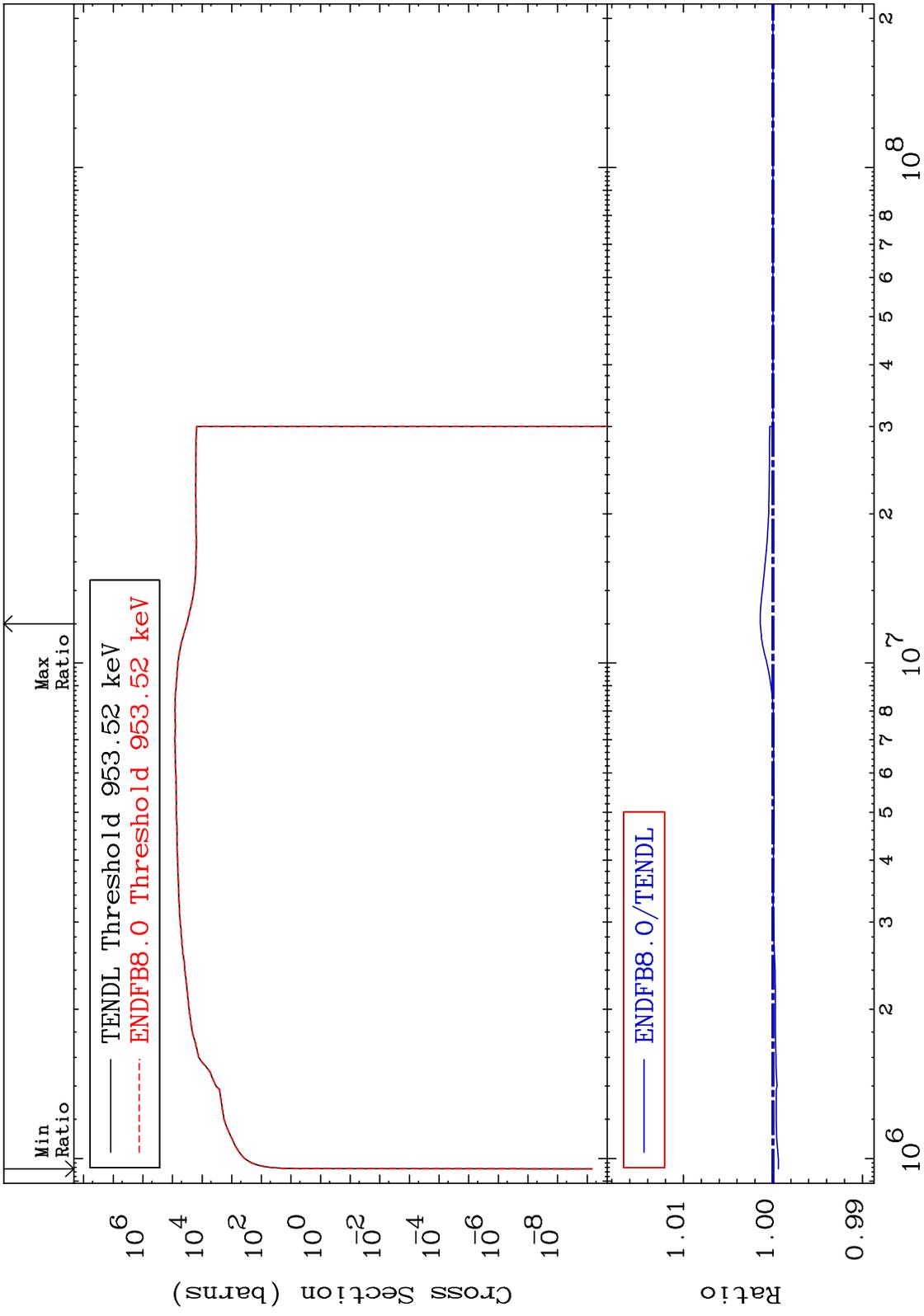
42-Mo-93
-99.65 To 1064. %



MAT 4228 Dpa elastic (mt2) 42-Mo-93
 Cross Section -97.28 To 9999. %



MAT 4228 Dpa inelastic (mt51-91) 42-Mo-93
Cross Section -0.060 To 0.142 %

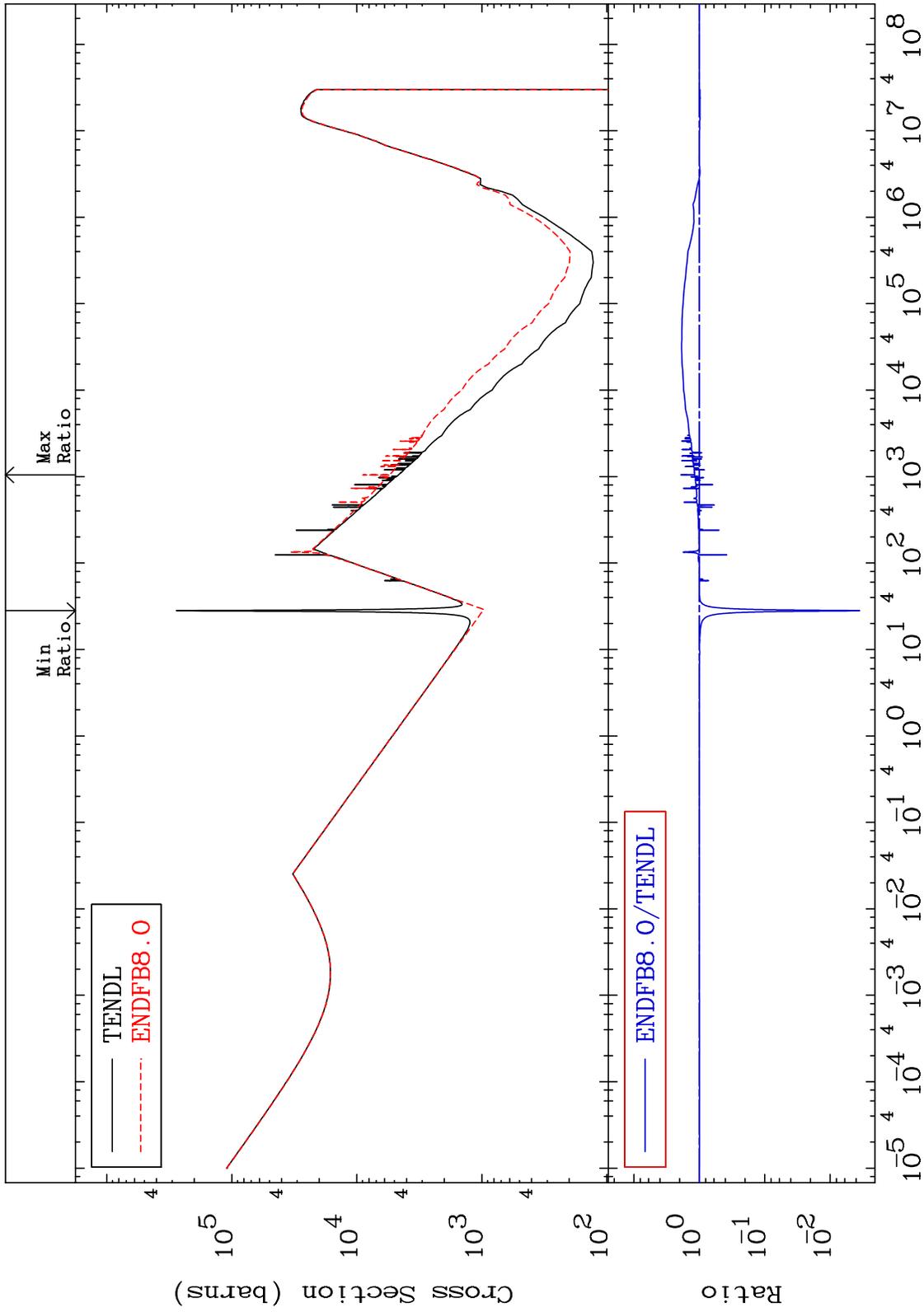


75 Incident Energy (eV) 42-Mo-93

MAT 4228

Dpa disappearance (mt102 -120)
Cross Section

42-Mo-93
-99.65 To 92.43 %

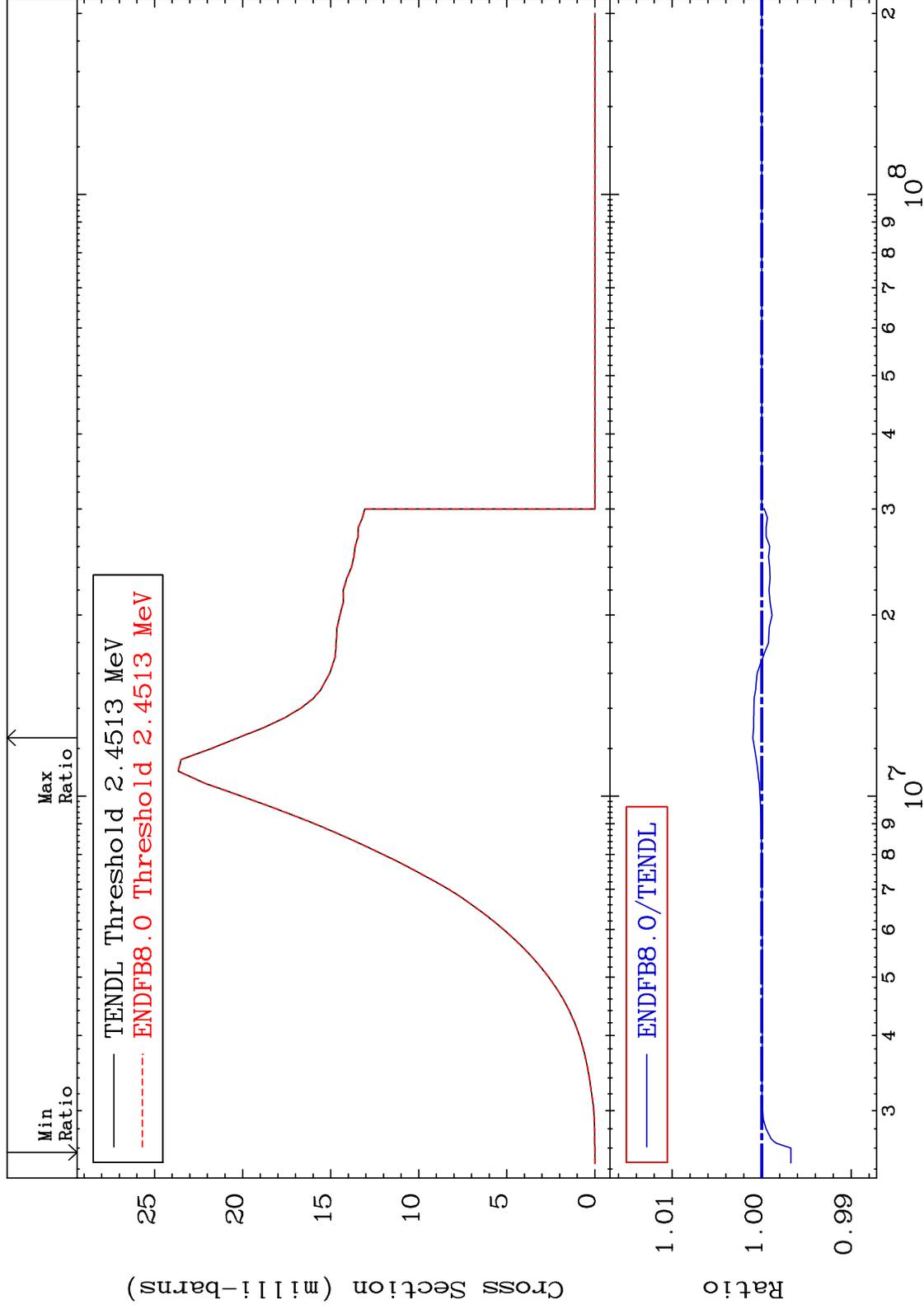


MAT 4228

Inelastic:42-Mo-93m16

42-Mo-93

Radionuclide Production Cross Section -0.327 To 0.099 %



77

Incident Energy (eV)

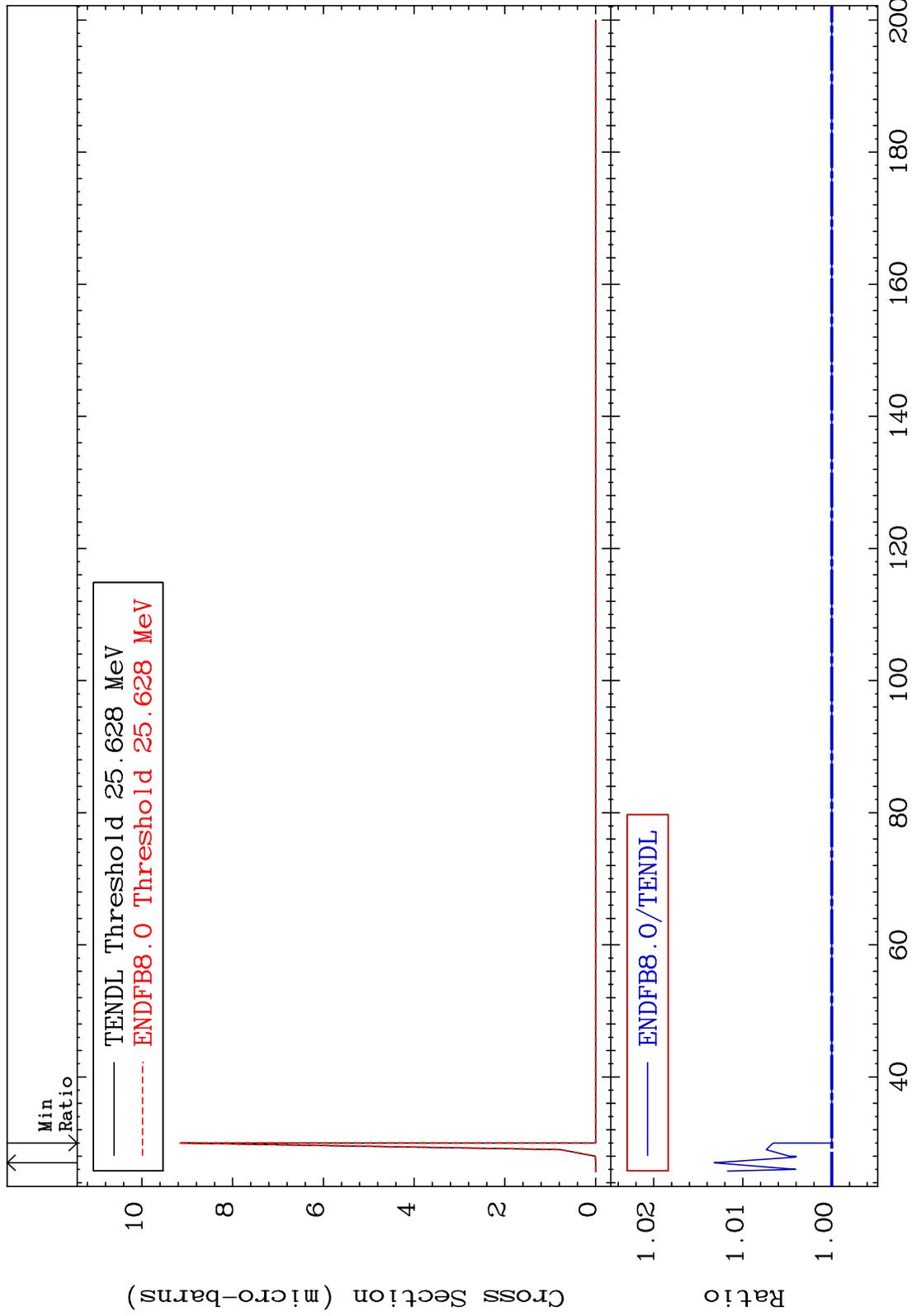
42-Mo-93

MAT 4228

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

42-Mo-93

Radionuclide Production Cross Section 0.000 To 1.322 %



78

Incident Energy (MeV)

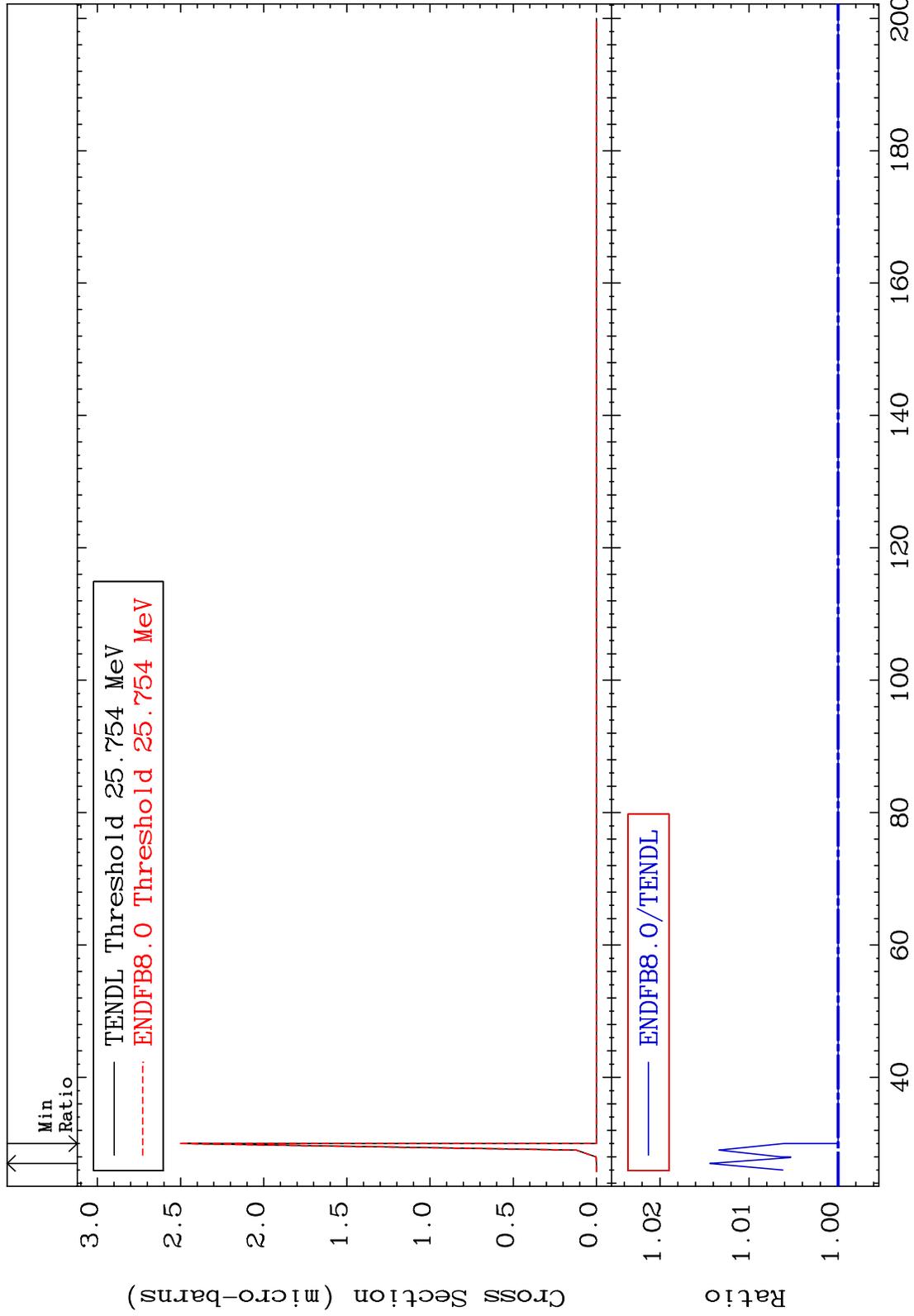
42-Mo-93

MAT 4228

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

42-Mo-93

Radionuclide Production Cross Section 0.000 To 1.441 %



79

Incident Energy (MeV)

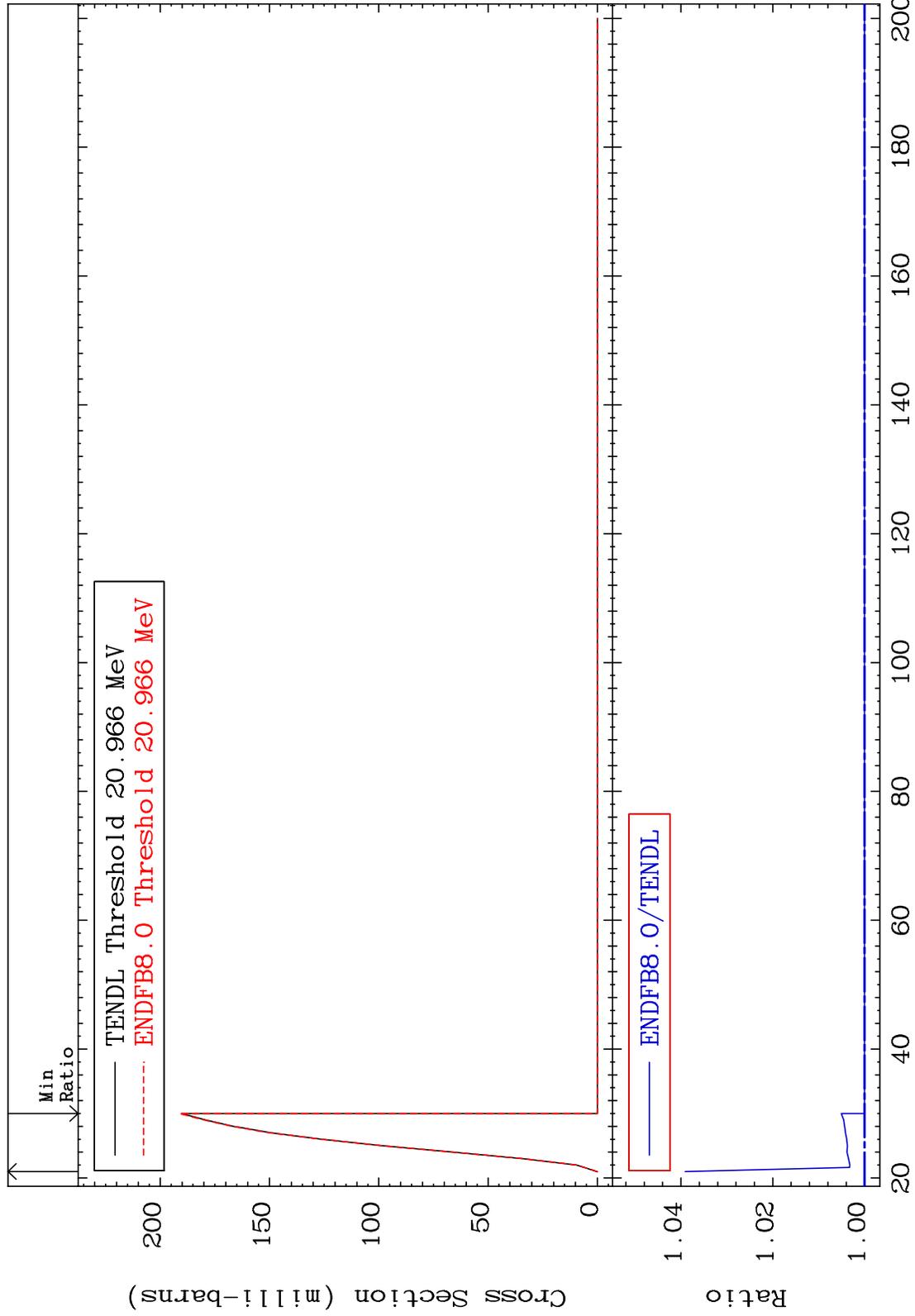
42-Mo-93

MAT 4228

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

42-Mo-93

Radionuclide Production Cross Section 0.000 To 3.908 %



80

Incident Energy (MeV)

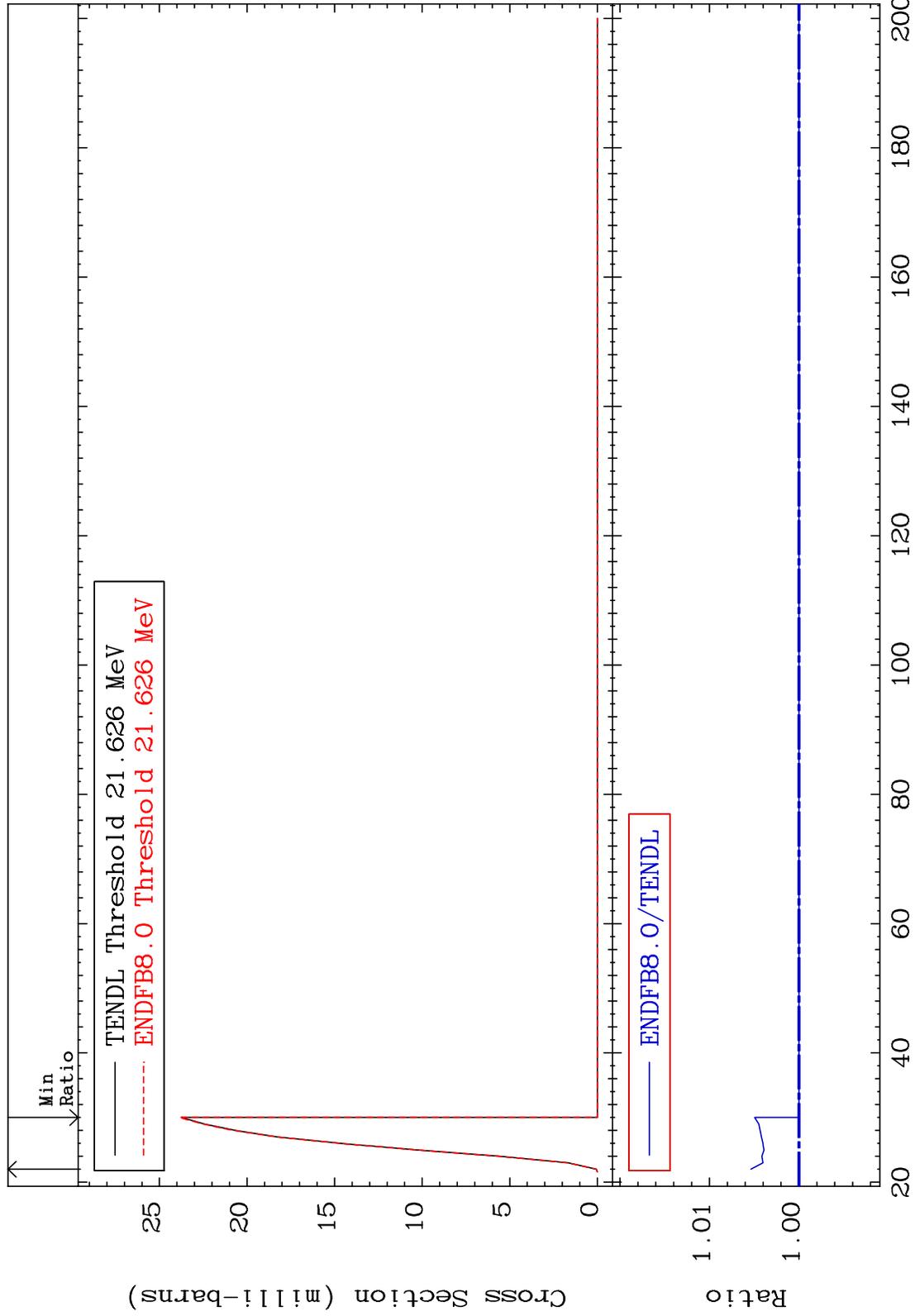
42-Mo-93

MAT 4228

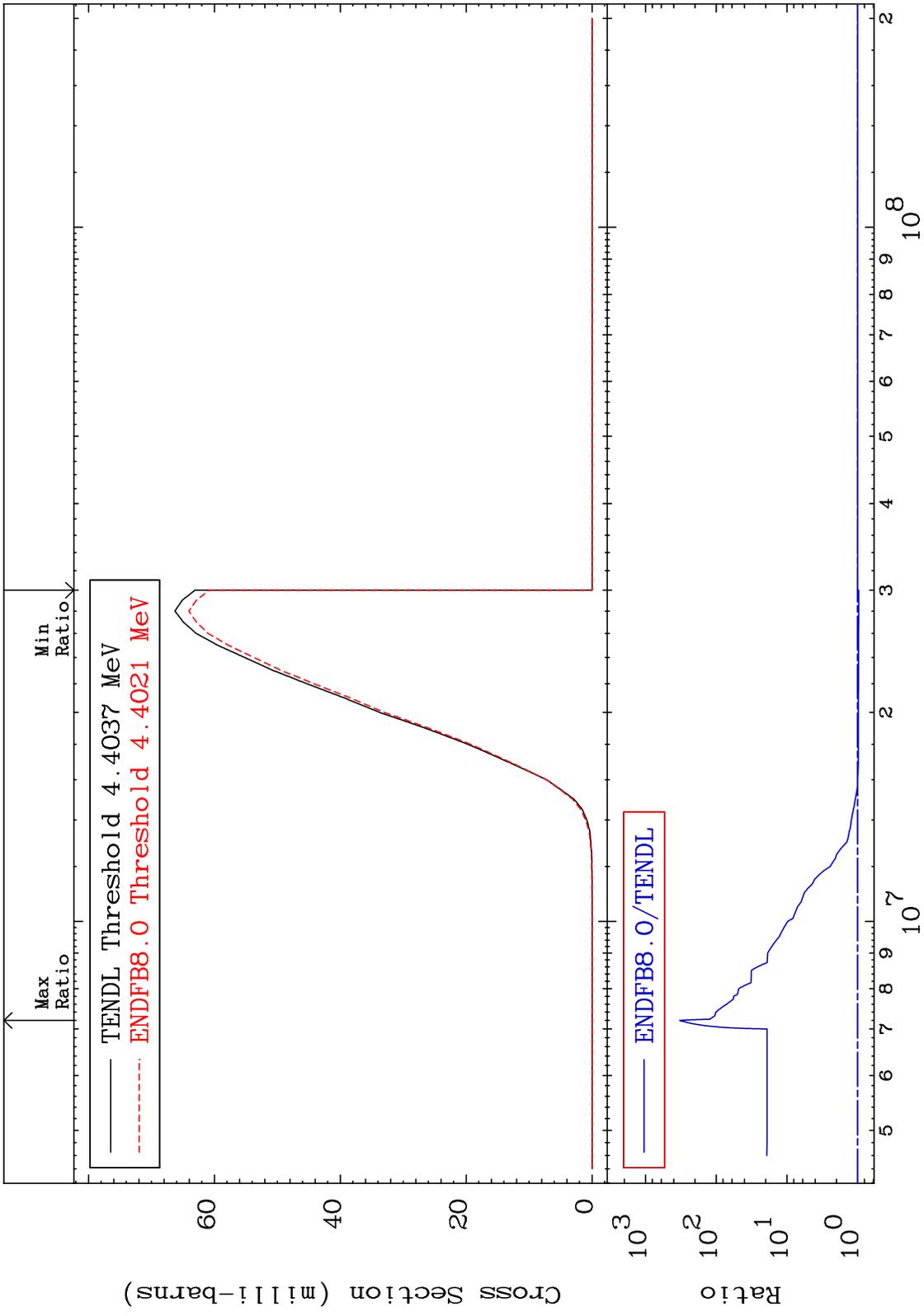
(n,3n):42-Mo-91m1

42-Mo-93

Radionuclide Production Cross Section 0.000 To 0.538 %



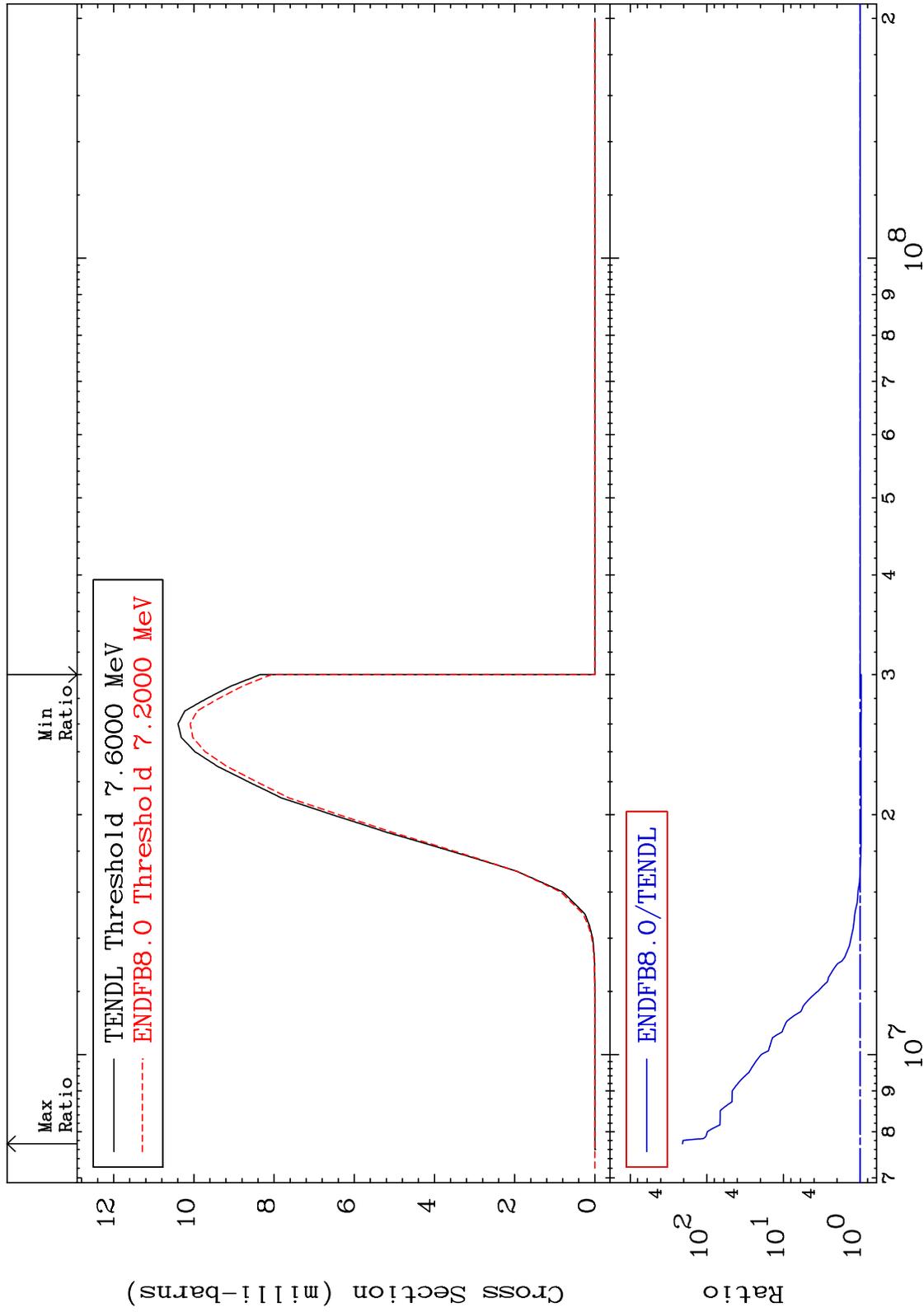
MAT 4228 (n, n') α : 40-Zr-89g 42-Mo-93
 Radionuclide Production Cross Section -3.564 To 9999. %



MAT 4228

(n, n') α : 40-Zr-89m1
Radionuclide Production Cross Section -3.399 To 9999. %

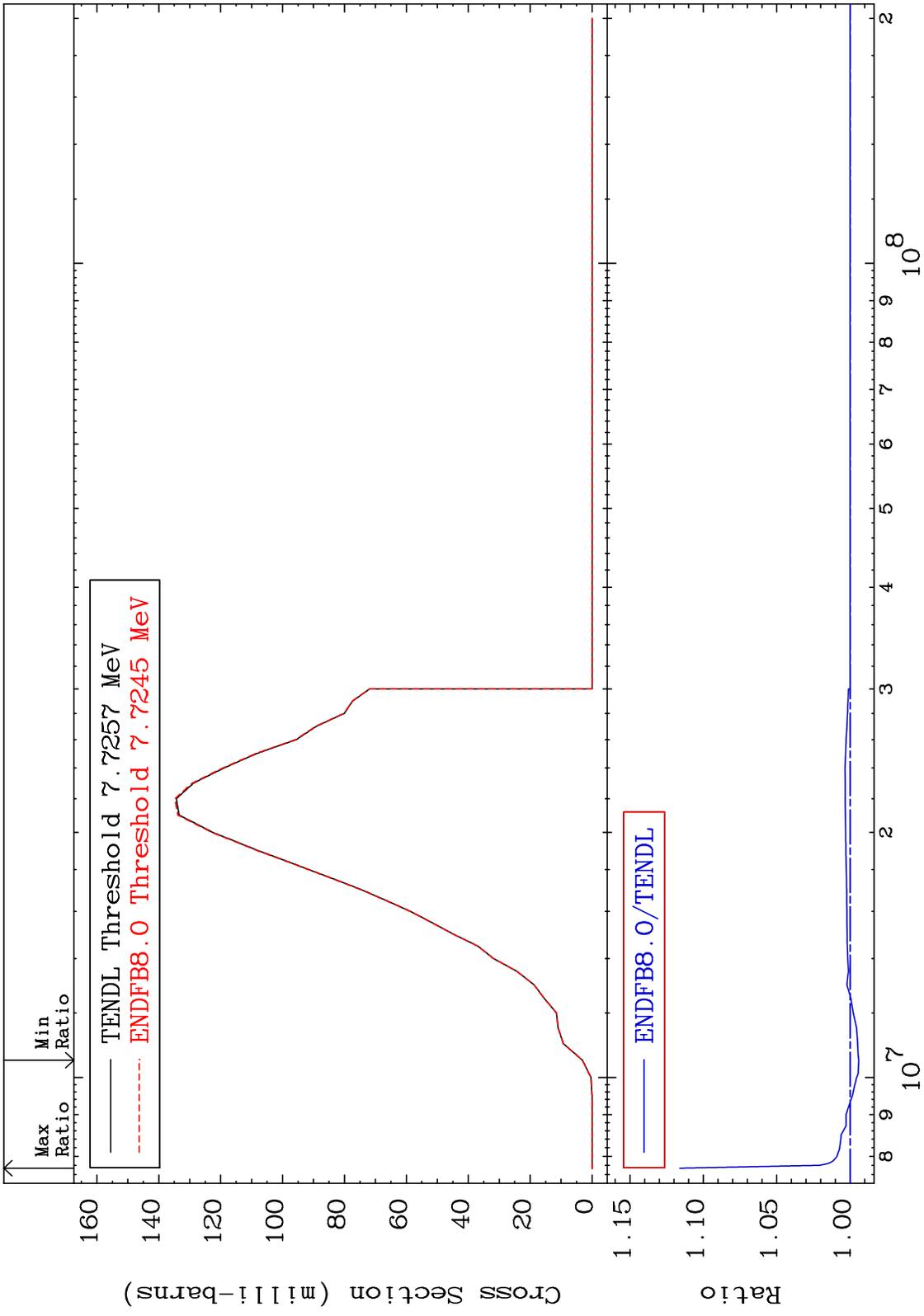
42-Mo-93



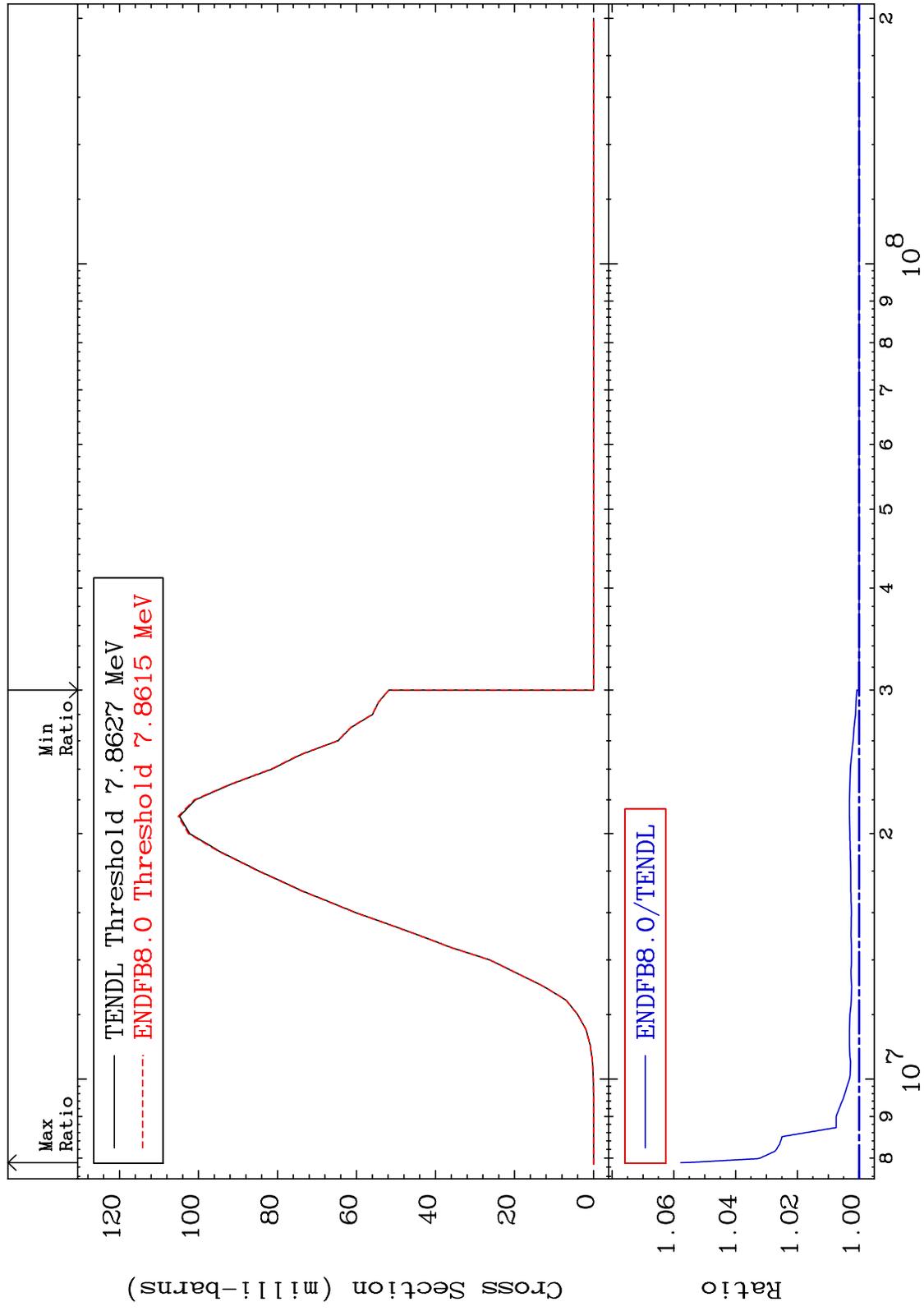
83

Incident Energy (eV)

42-Mo-93



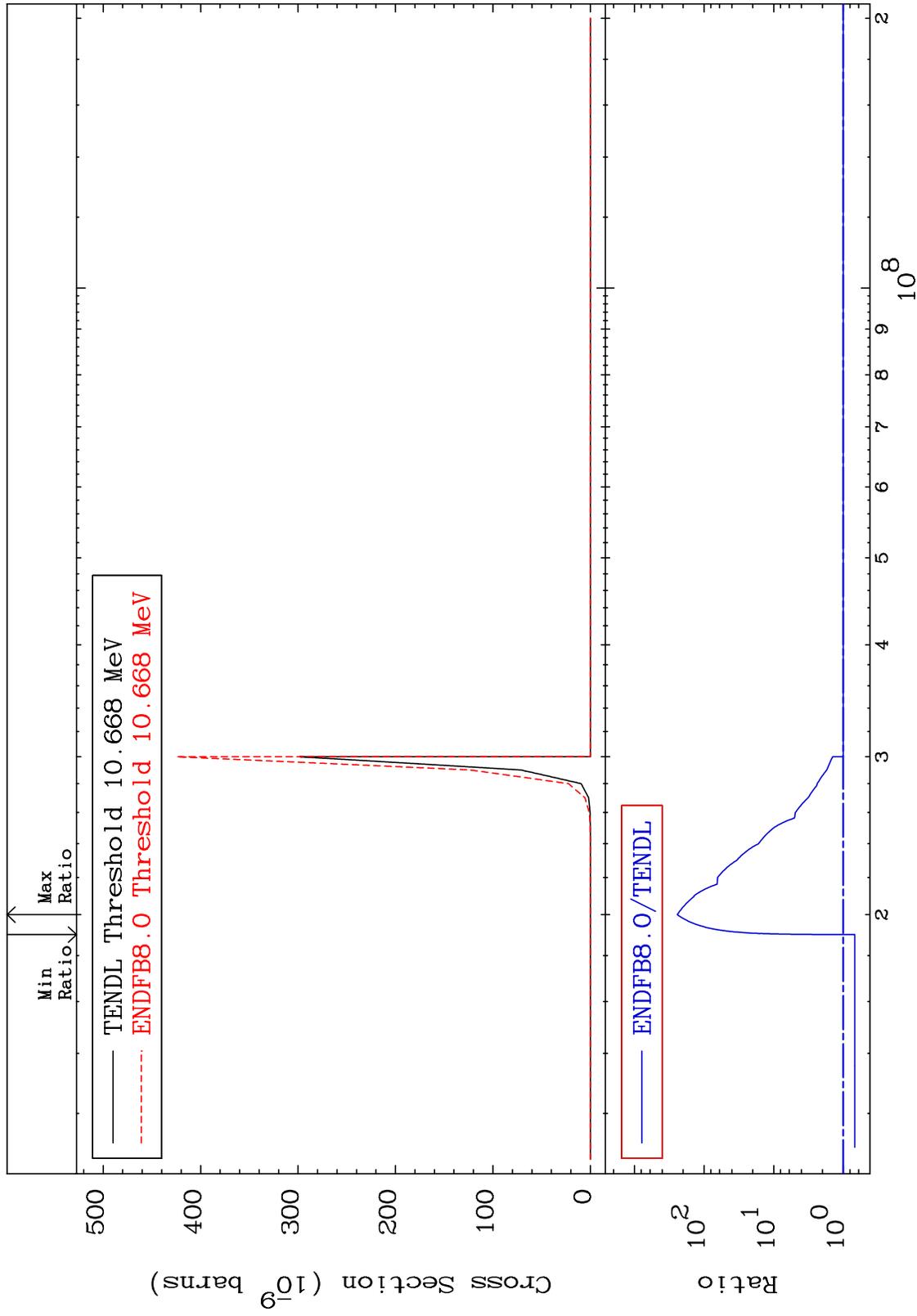
MAT 4228 (n, n') p:41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 0.000 To 5.774 %



MAT 4228

42-Mo-93

(n, n') 2 α :38-Sr-85g
Radionuclide Production Cross Section -31.67 To 9999. %

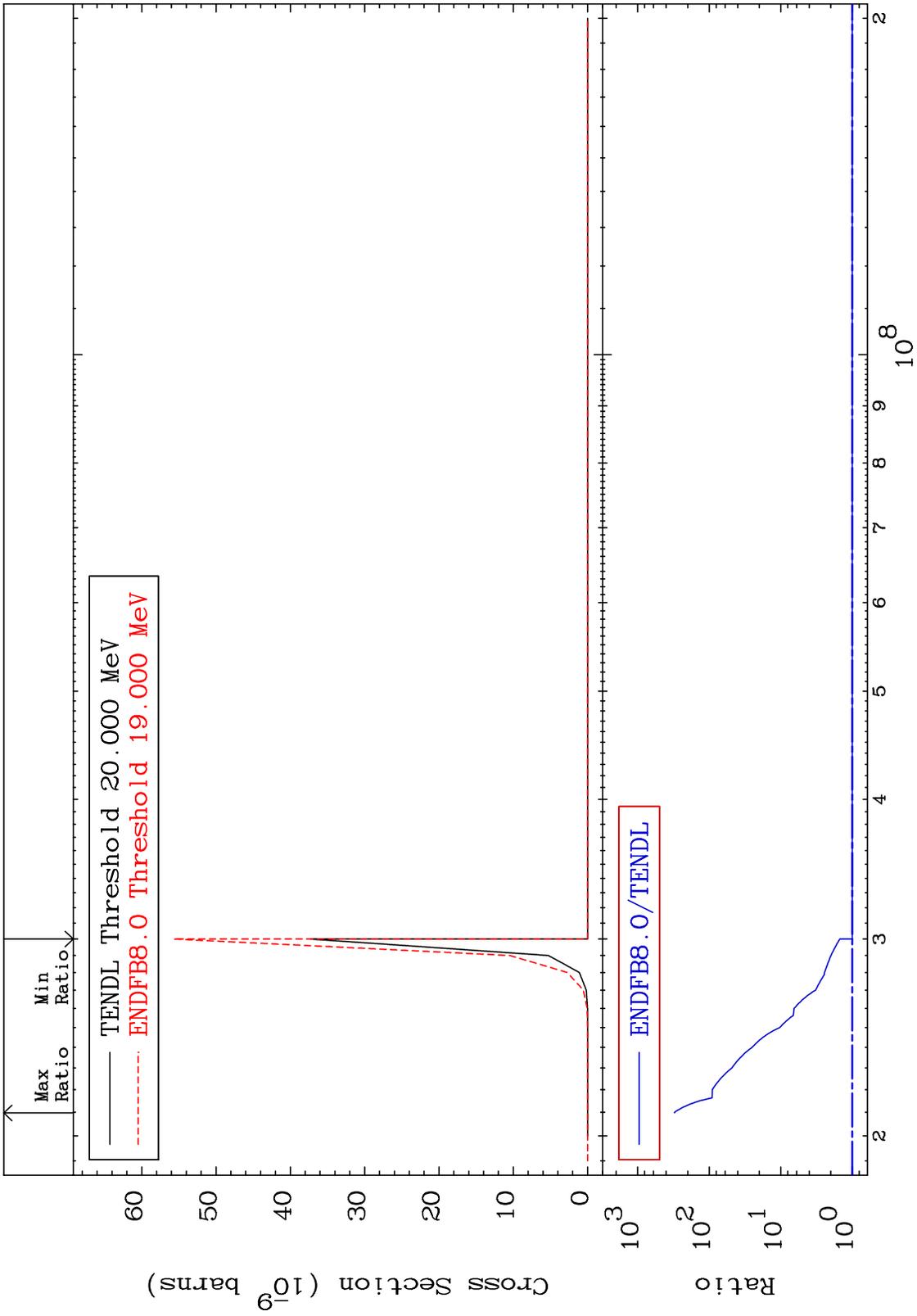


MAT 4228

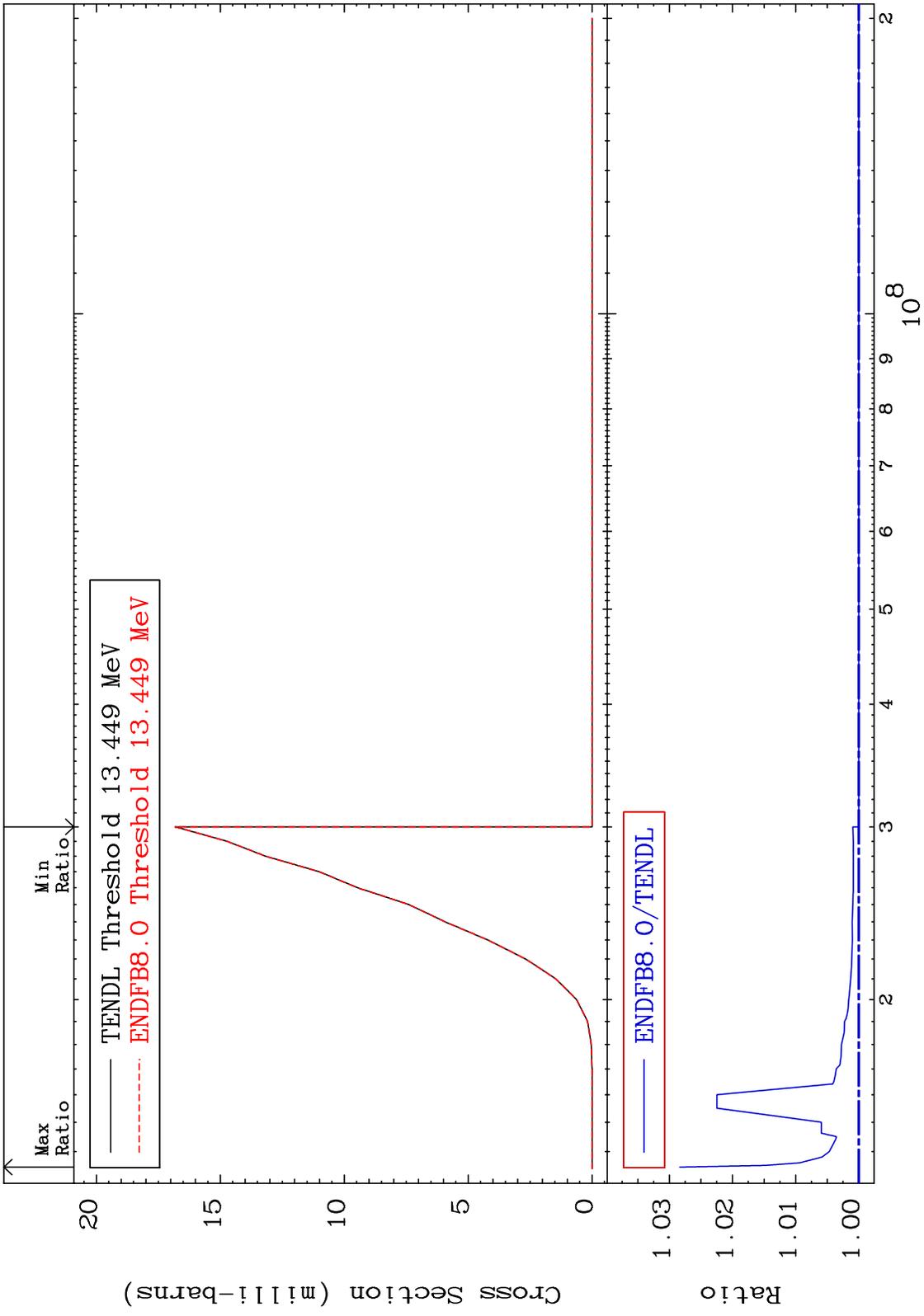
(n,n') 2α:38-Sr-85m2

42-Mo-93

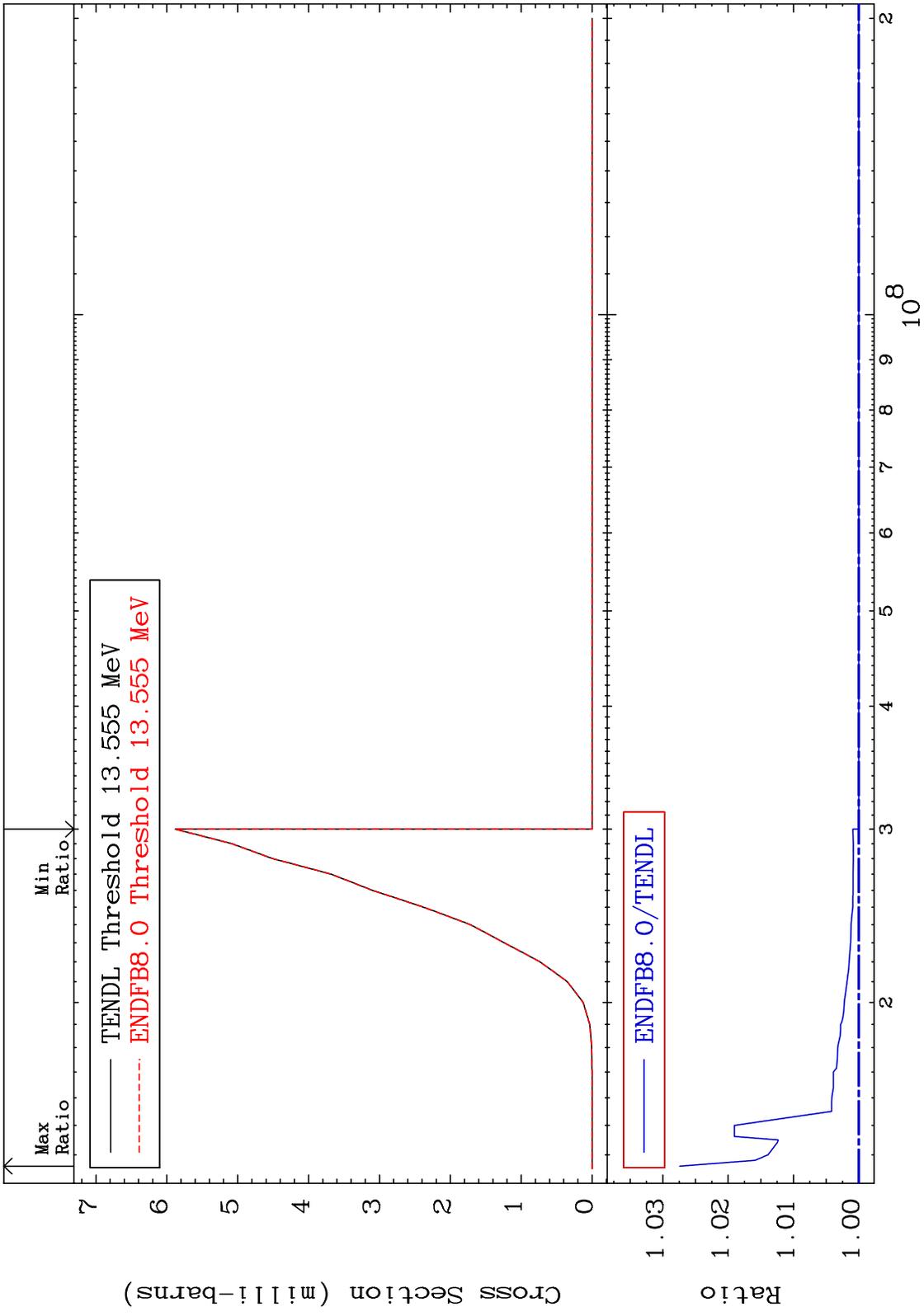
Radionuclide Production Cross Section 0.000 To 9999. %



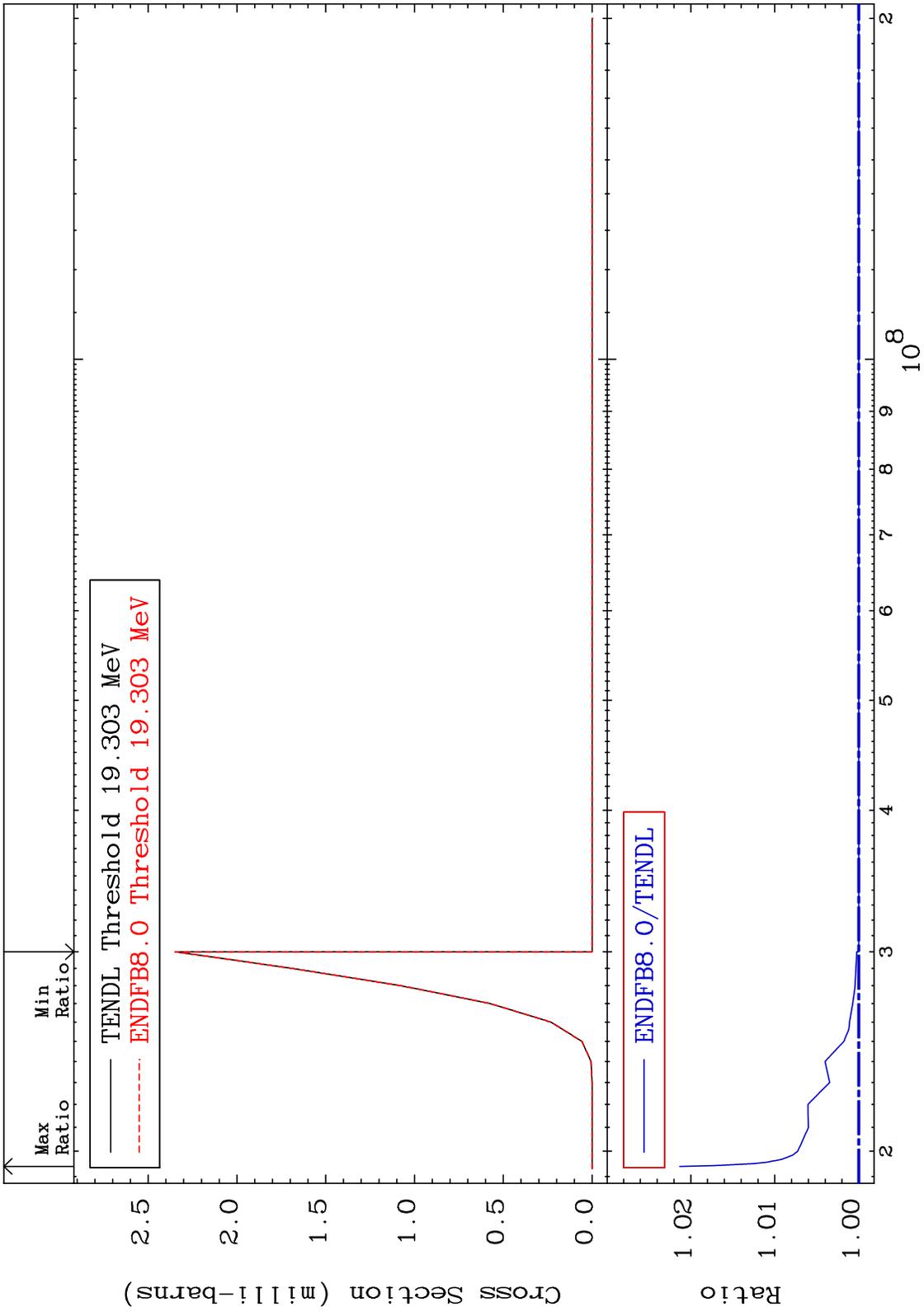
MAT 4228 (n,n') d:41-Nb-91g 42-Mo-93
Radionuclide Production Cross Section 0.000 To 2.836 %



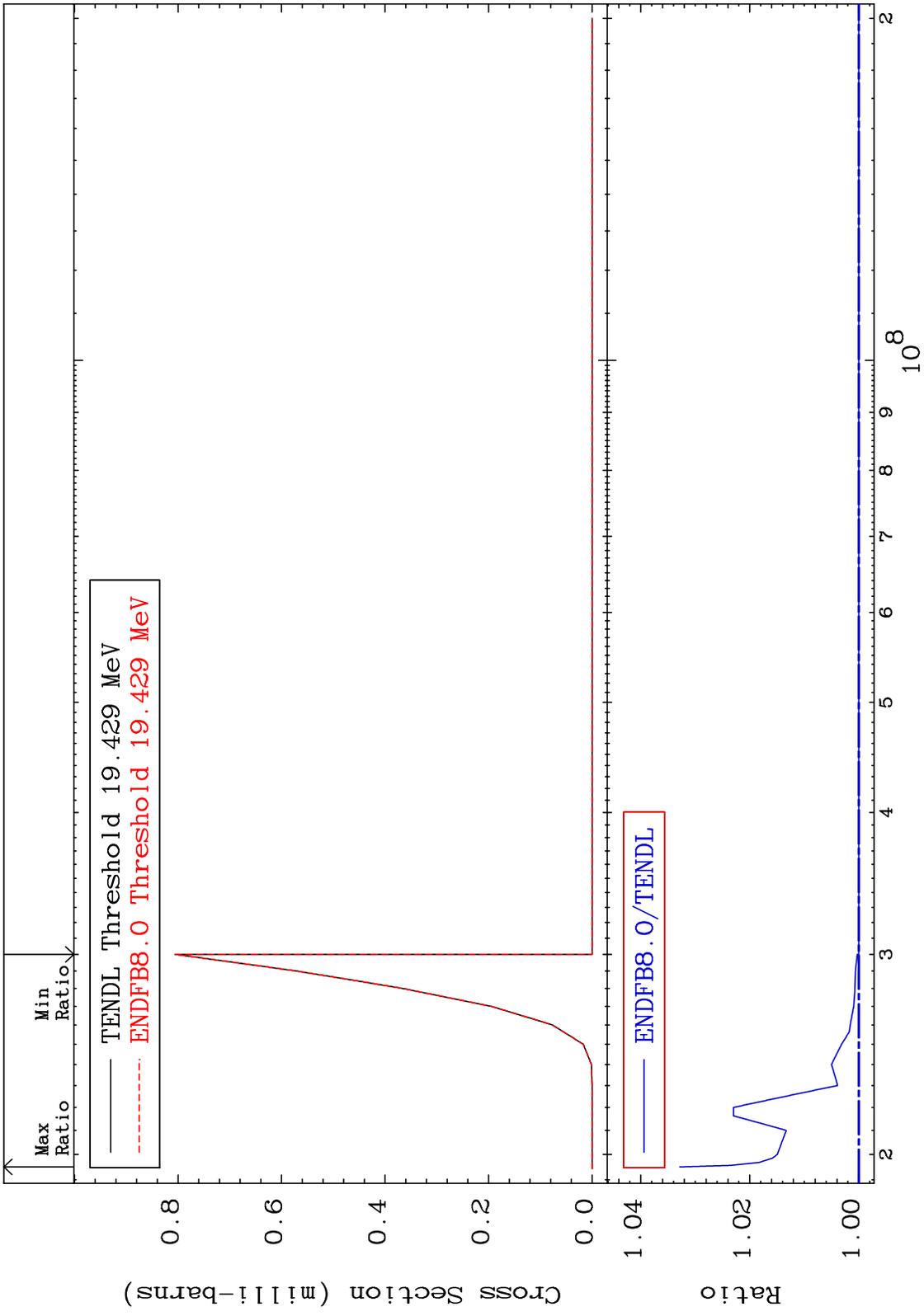
MAT 4228 (n, n') d:41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 0.000 To 2.741 %



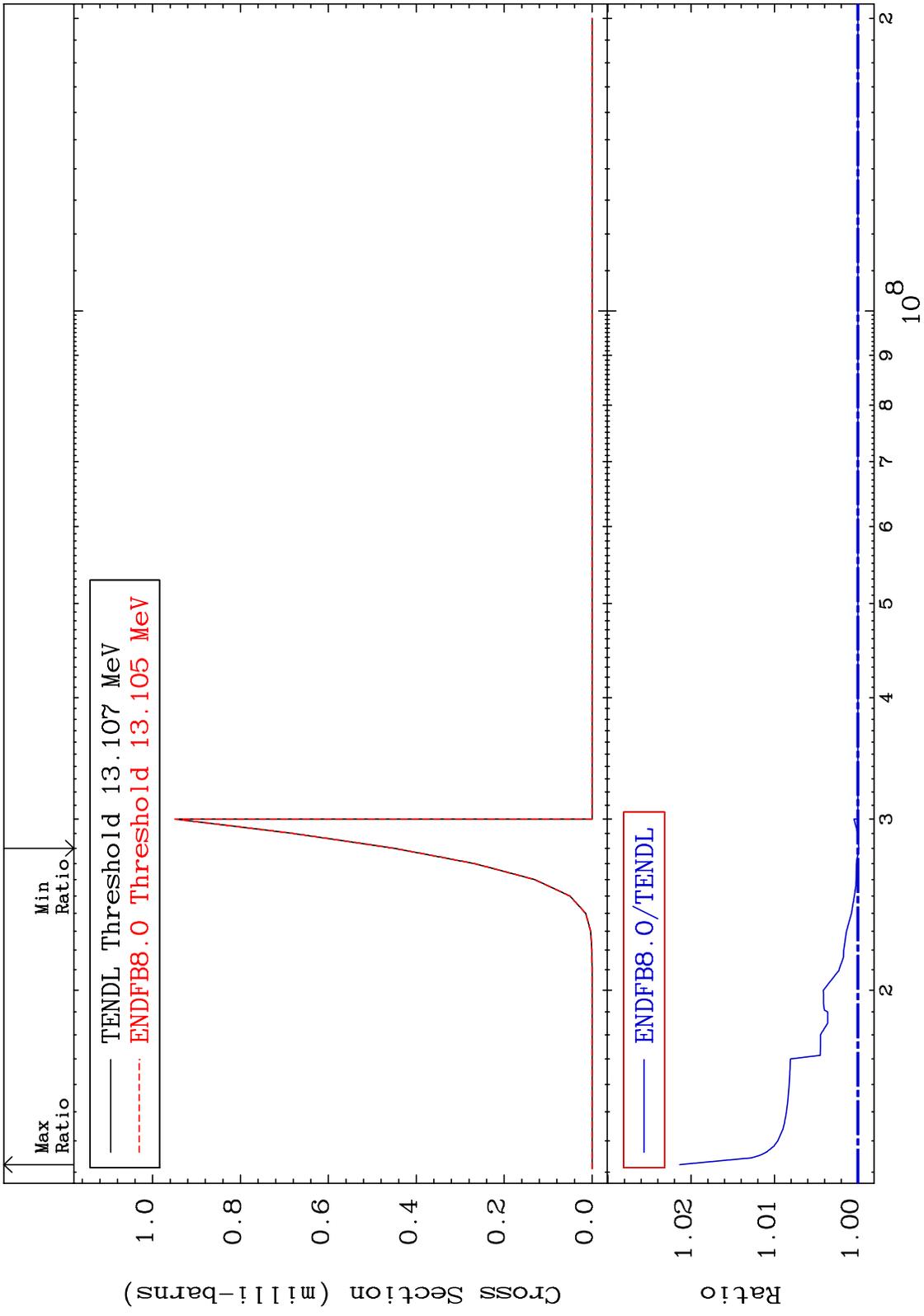
MAT 4228 (n, n') t:41-Nb-90g 42-Mo-93
 Radionuclide Production Cross Section 0.000 To 2.131 %



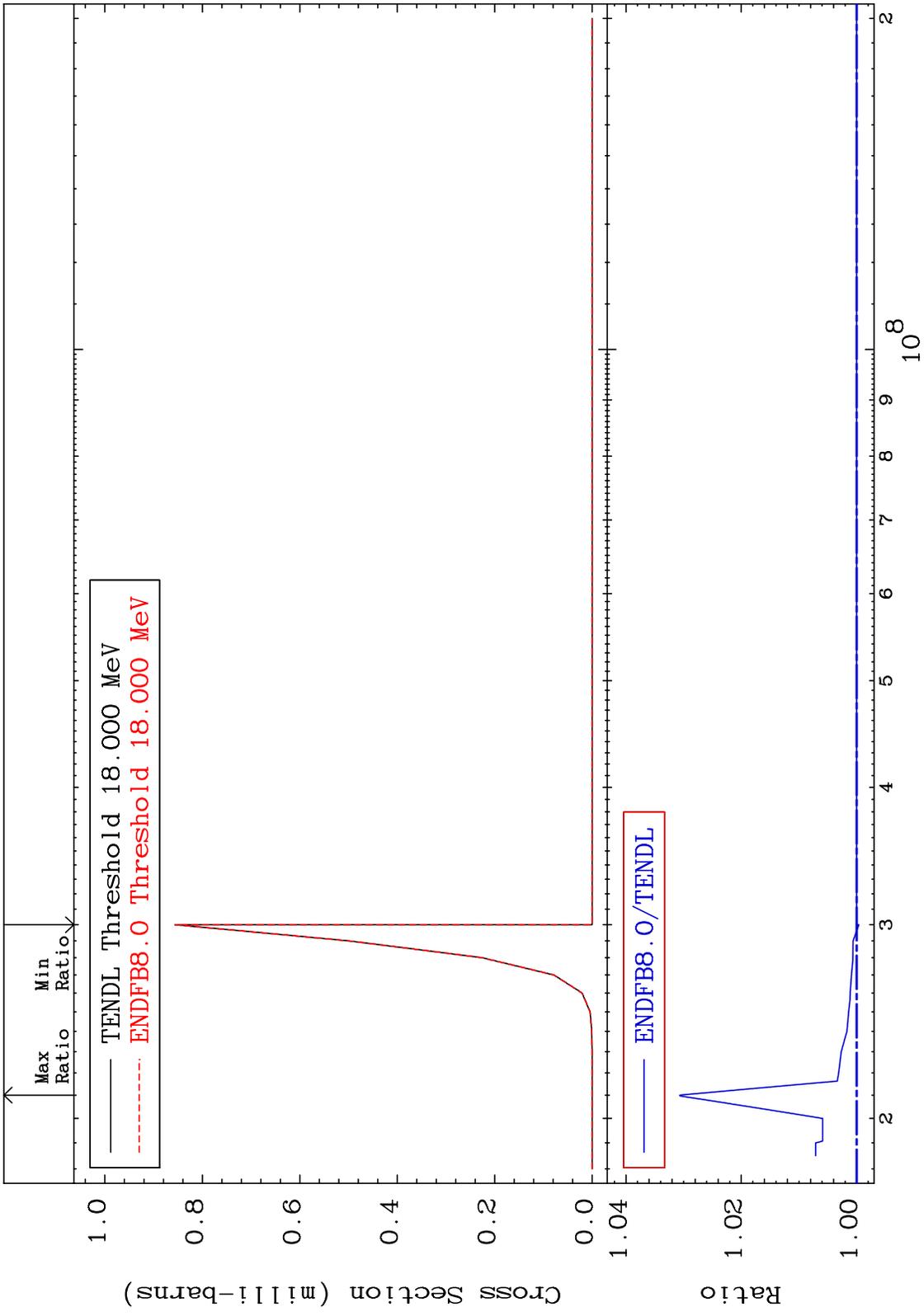
MAT 4228 (n, n') t:41-Nb-90m2 42-Mo-93
 Radionuclide Production Cross Section 0.000 To 3.284 %



MAT 4228 (n, n') He-3: 40-Zr-90g 42-Mo-93
 Radionuclide Production Cross Section -0.012 To 2.137 %

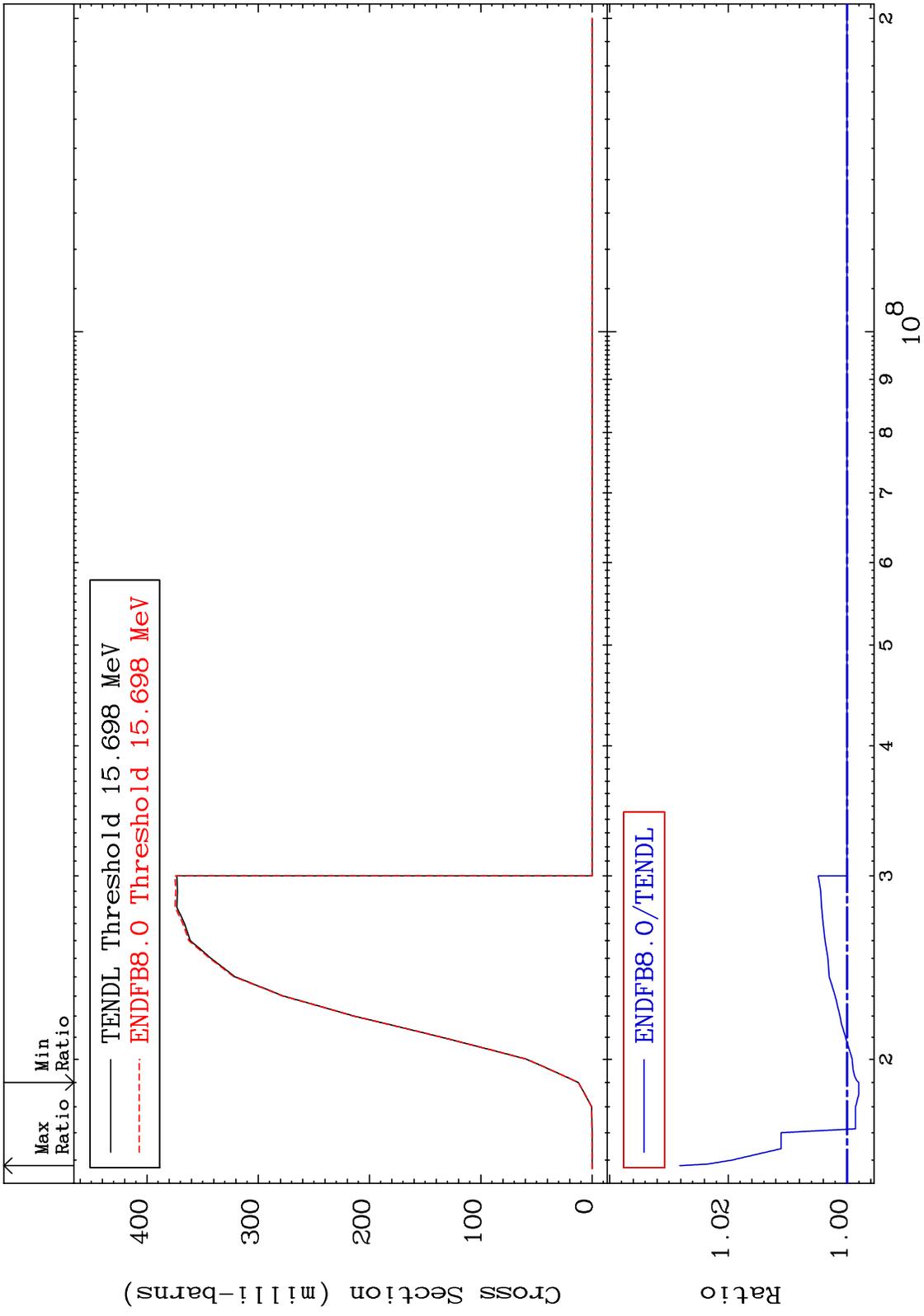


MAT 4228 (n,n') He-3:40-Zr-90m3 42-Mo-93
 Radionuclide Production Cross Section -0.037 To 3.067 %



93 42-Mo-93

MAT 4228 (n,2n) p:41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section -0.199 To 2.817 %

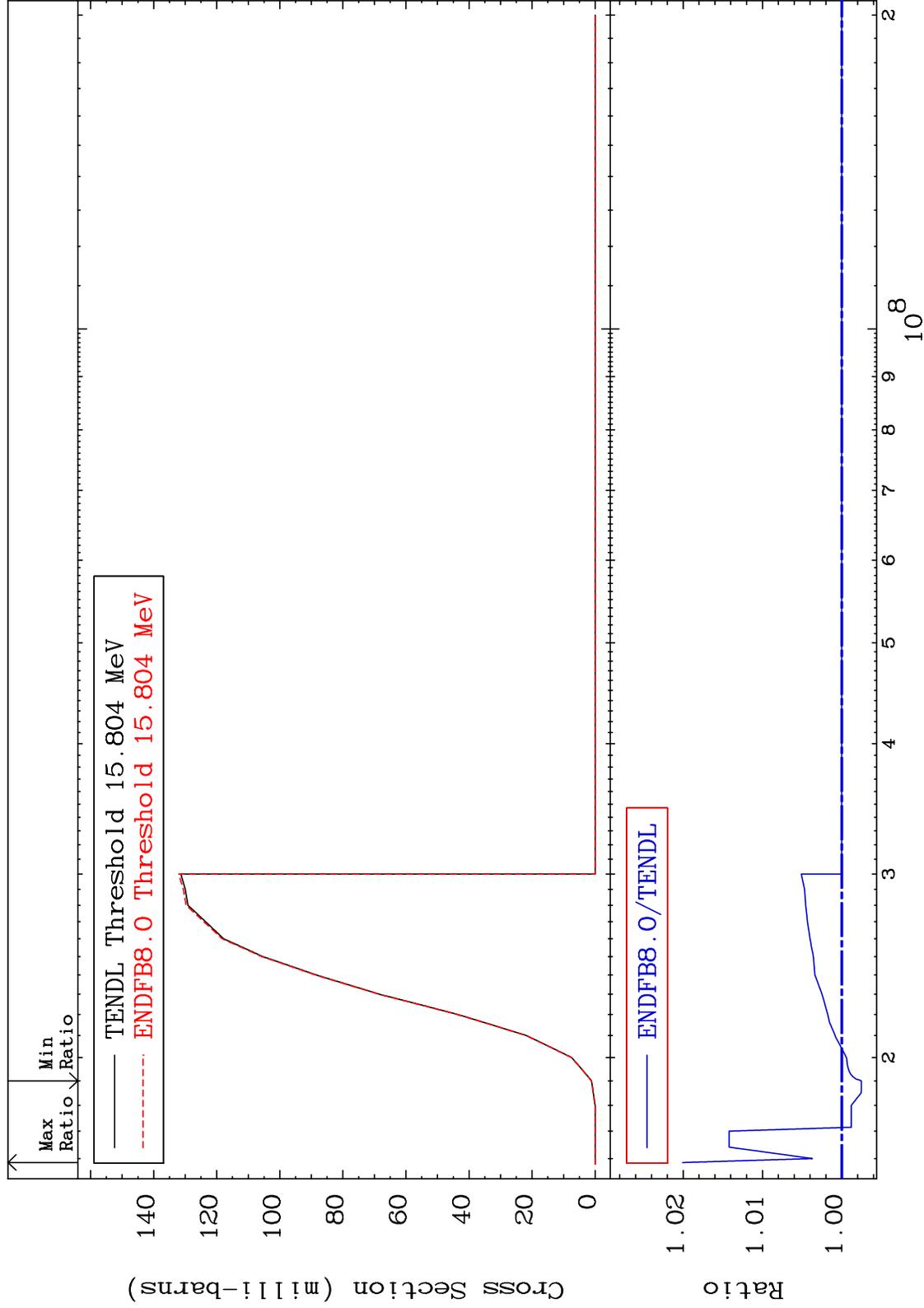


MAT 4228

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

42-Mo-93

Radionuclide Production Cross Section -0.248 To 2.007 %

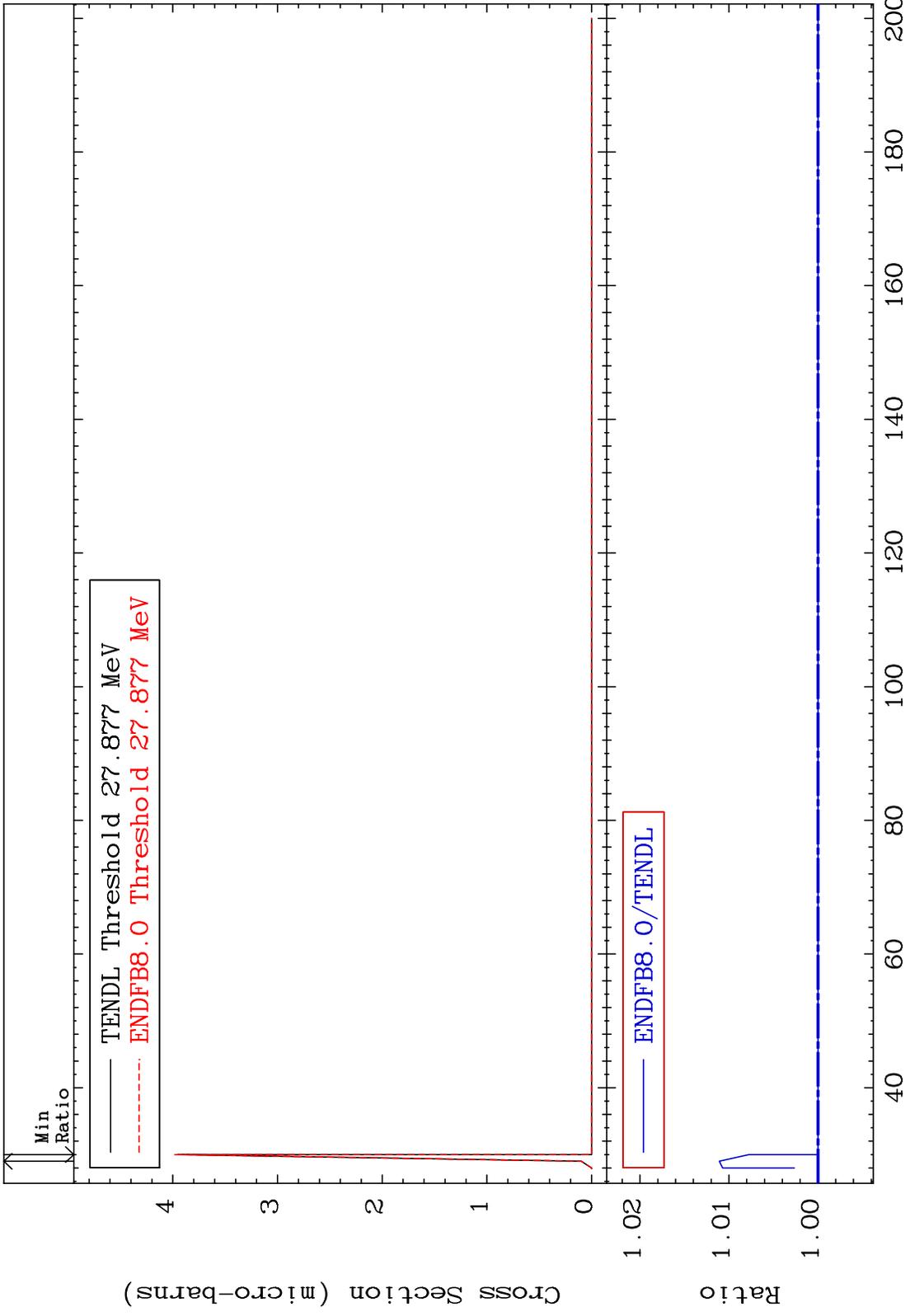


95

Incident Energy (eV)

42-Mo-93

MAT 4228 (n,3n) p:41-Nb-90g 42-Mo-93
 Radionuclide Production Cross Section 0.000 To 1.109 %

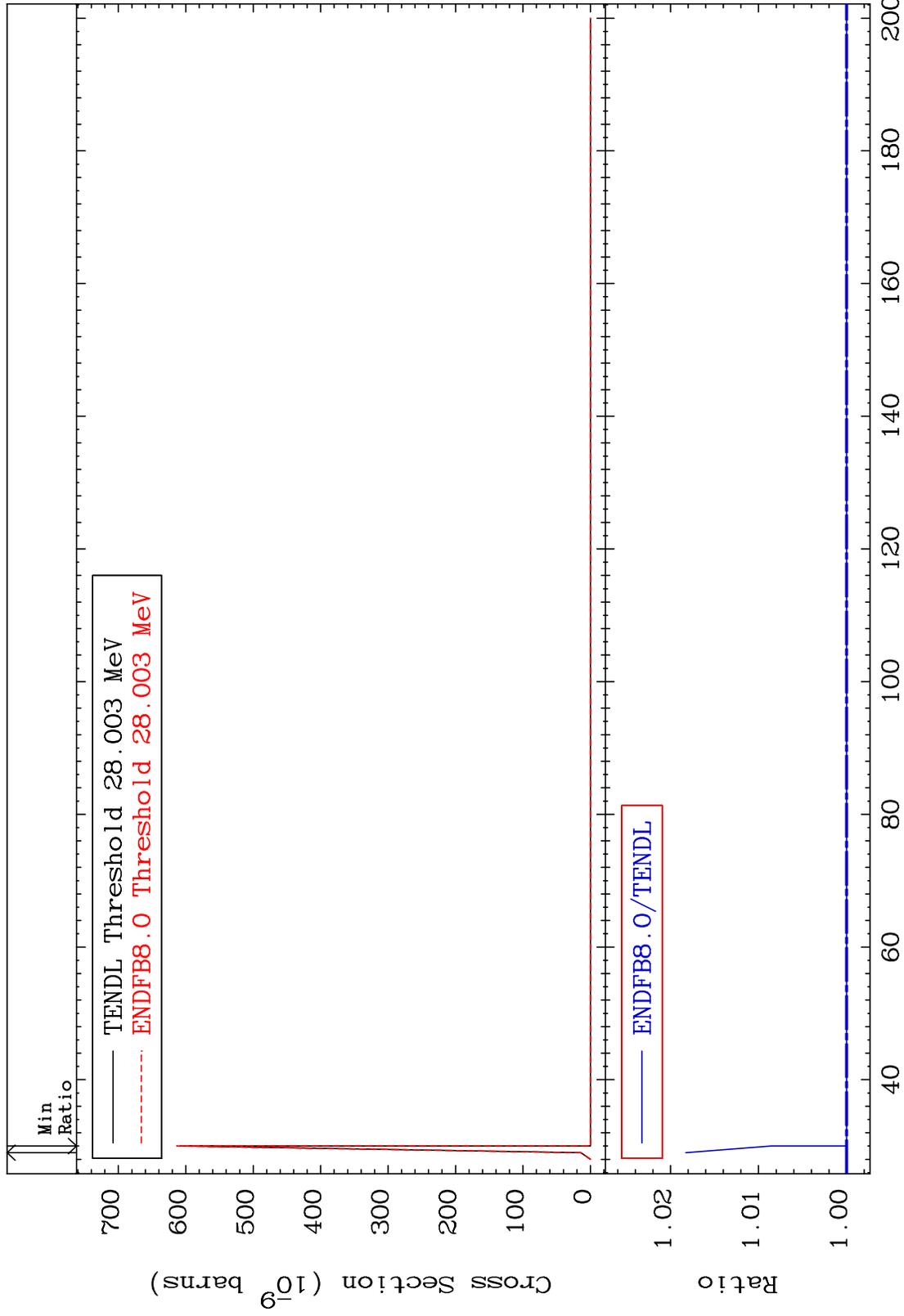


MAT 4228

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

42-Mo-93

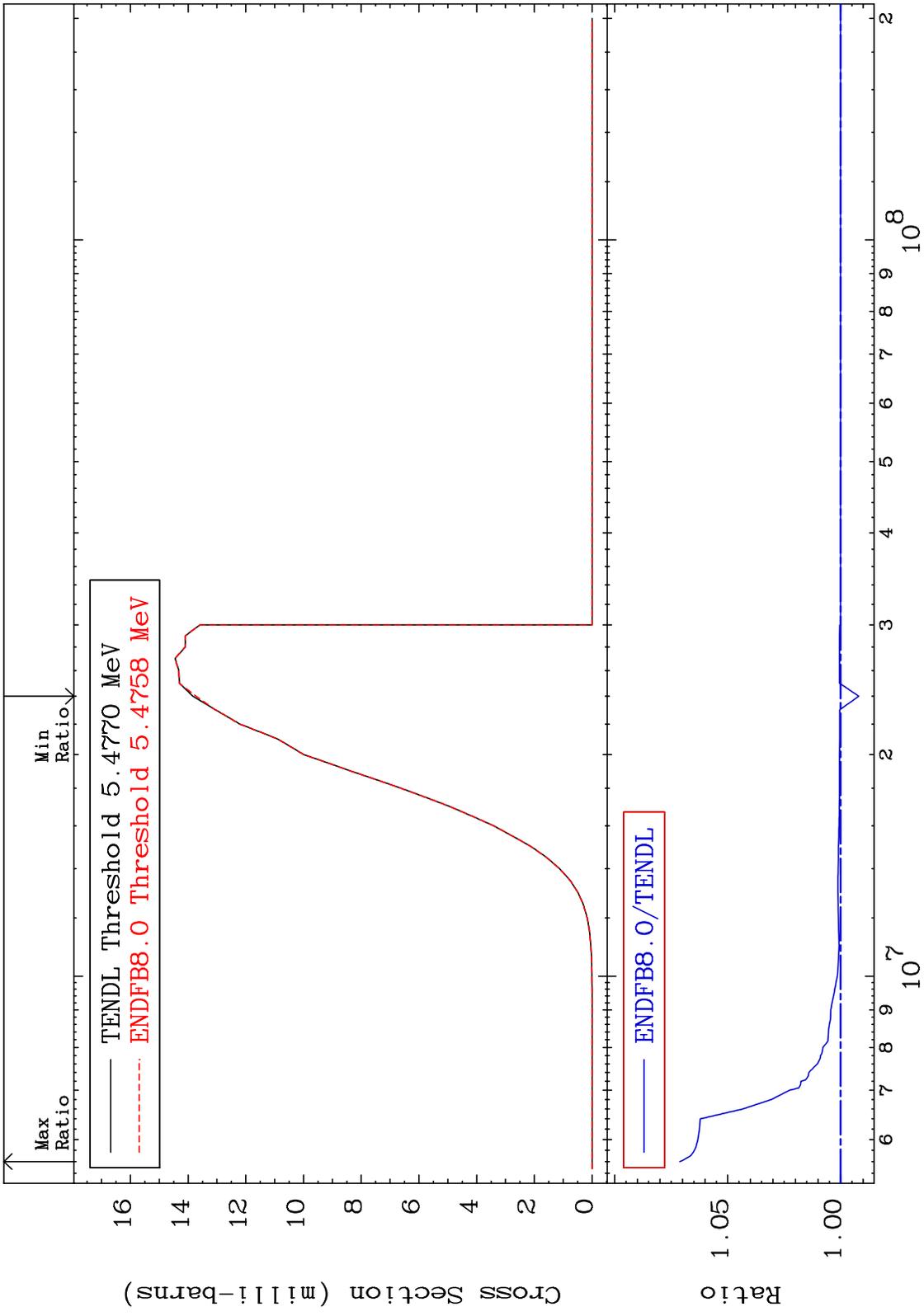
Radionuclide Production Cross Section 0.000 To 1.828 %



97

42-Mo-93

MAT 4228 (n,d):41-Nb-92g 42-Mo-93
 Radionuclide Production Cross Section -0.805 To 7.123 %

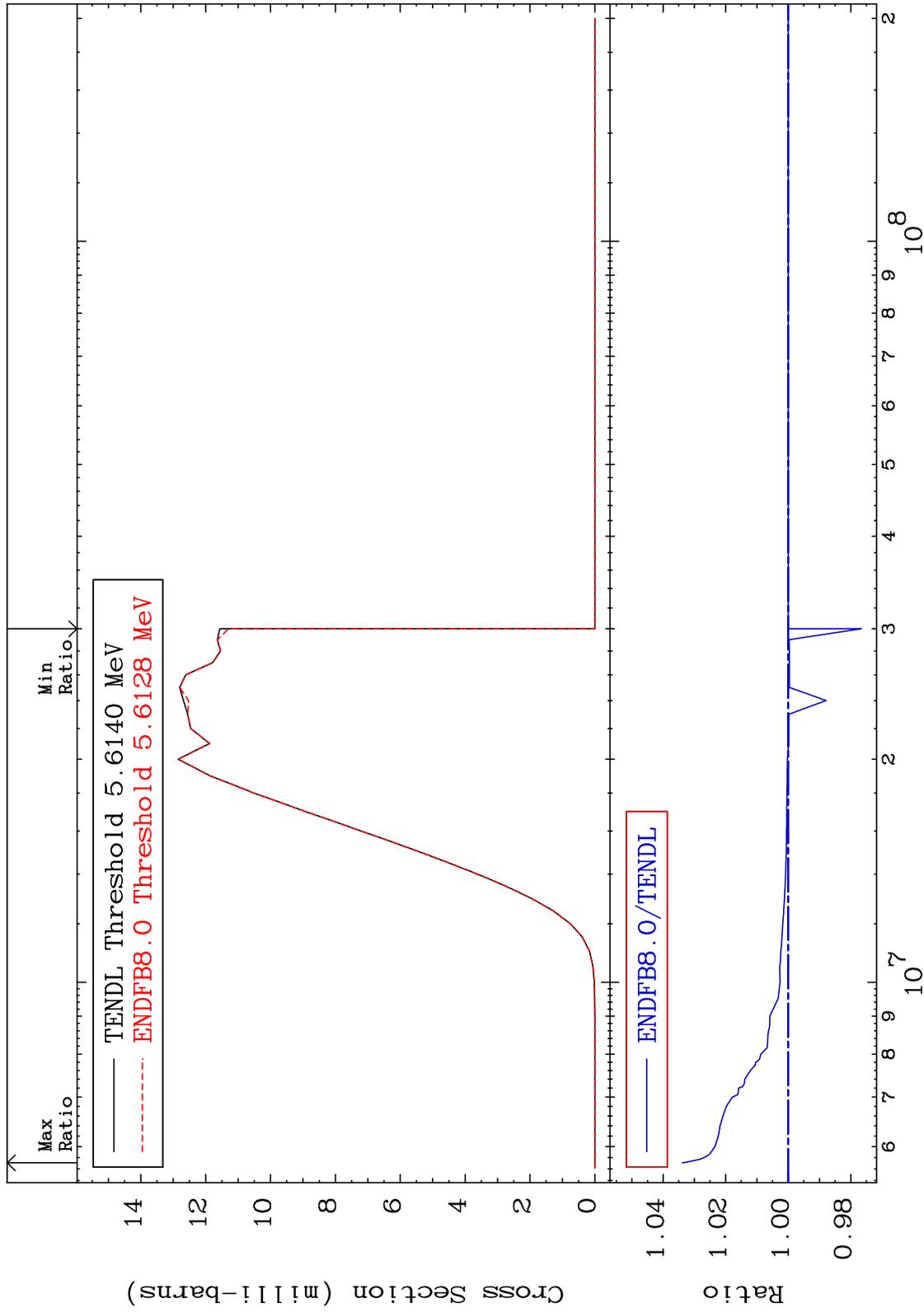


MAT 4228

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

42-Mo-93

Radionuclide Production Cross Section -2.339 To 3.382 %

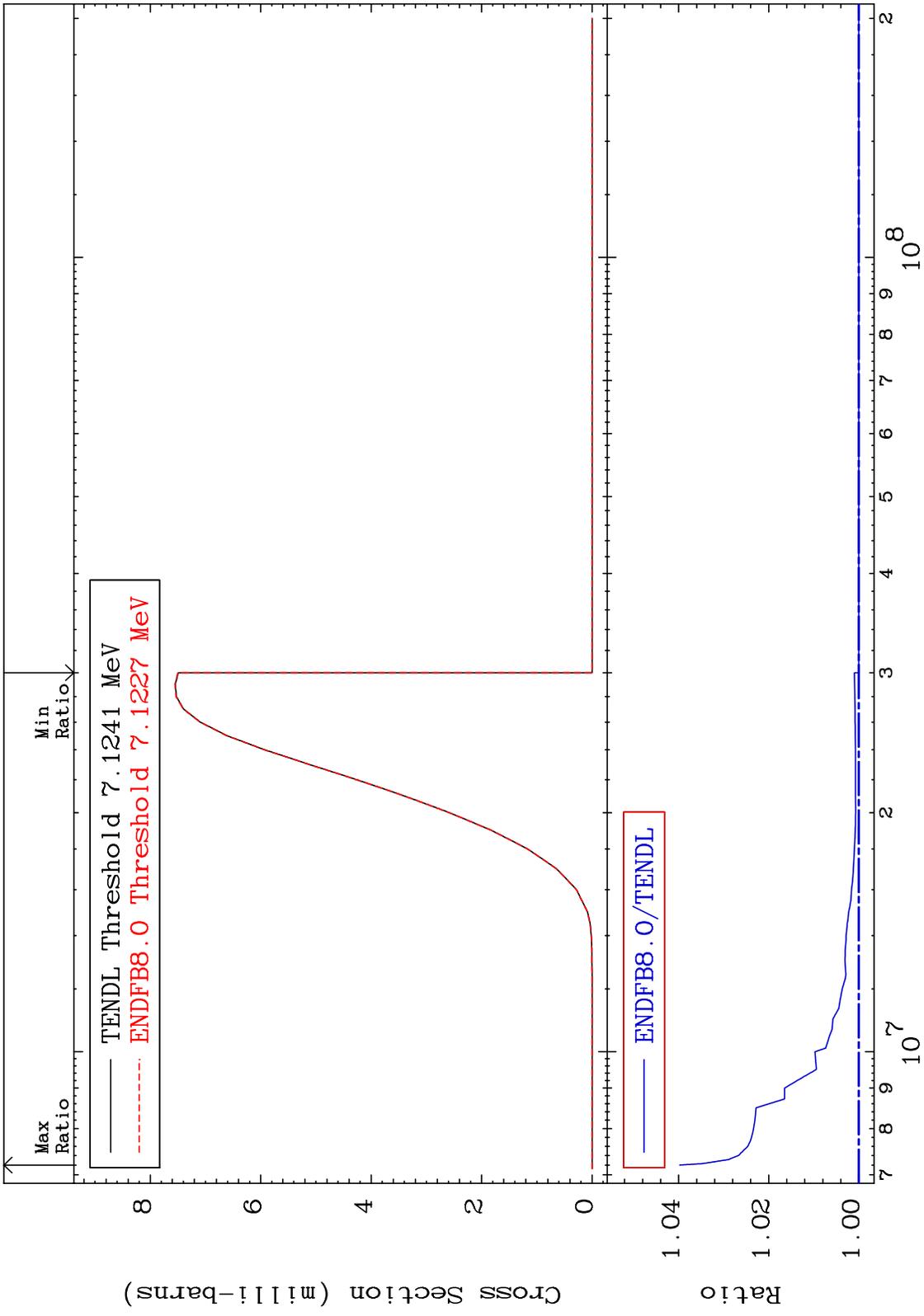


99

Incident Energy (eV)

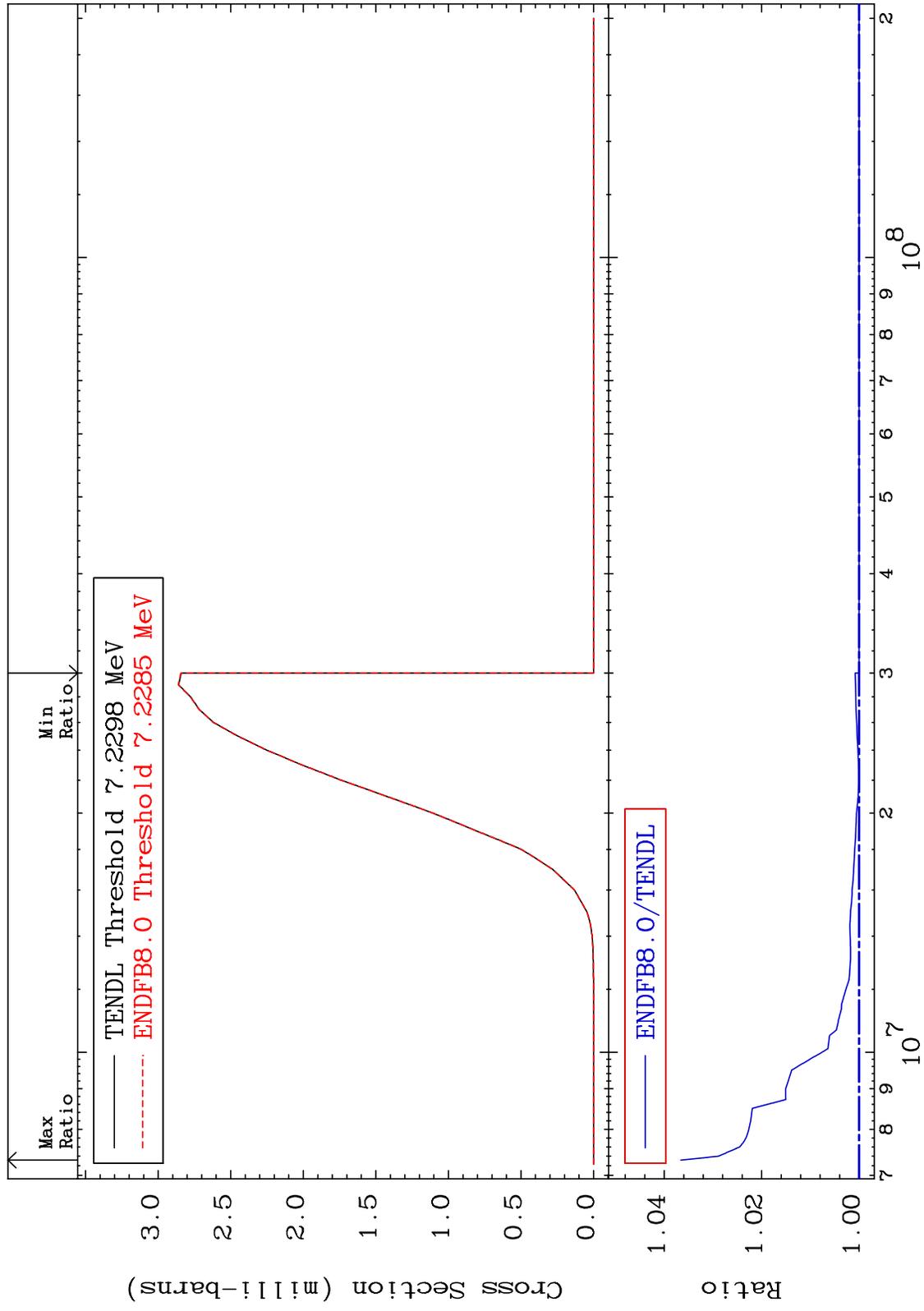
42-Mo-93

MAT 4228 (n,t):41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section 0.000 To 3.976 %



100 Incident Energy (eV) 42-Mo-93

MAT 4228 (n,t):41-Nb-91m1 42-Mo-93
Radionuclide Production Cross Section 0.000 To 3.659 %



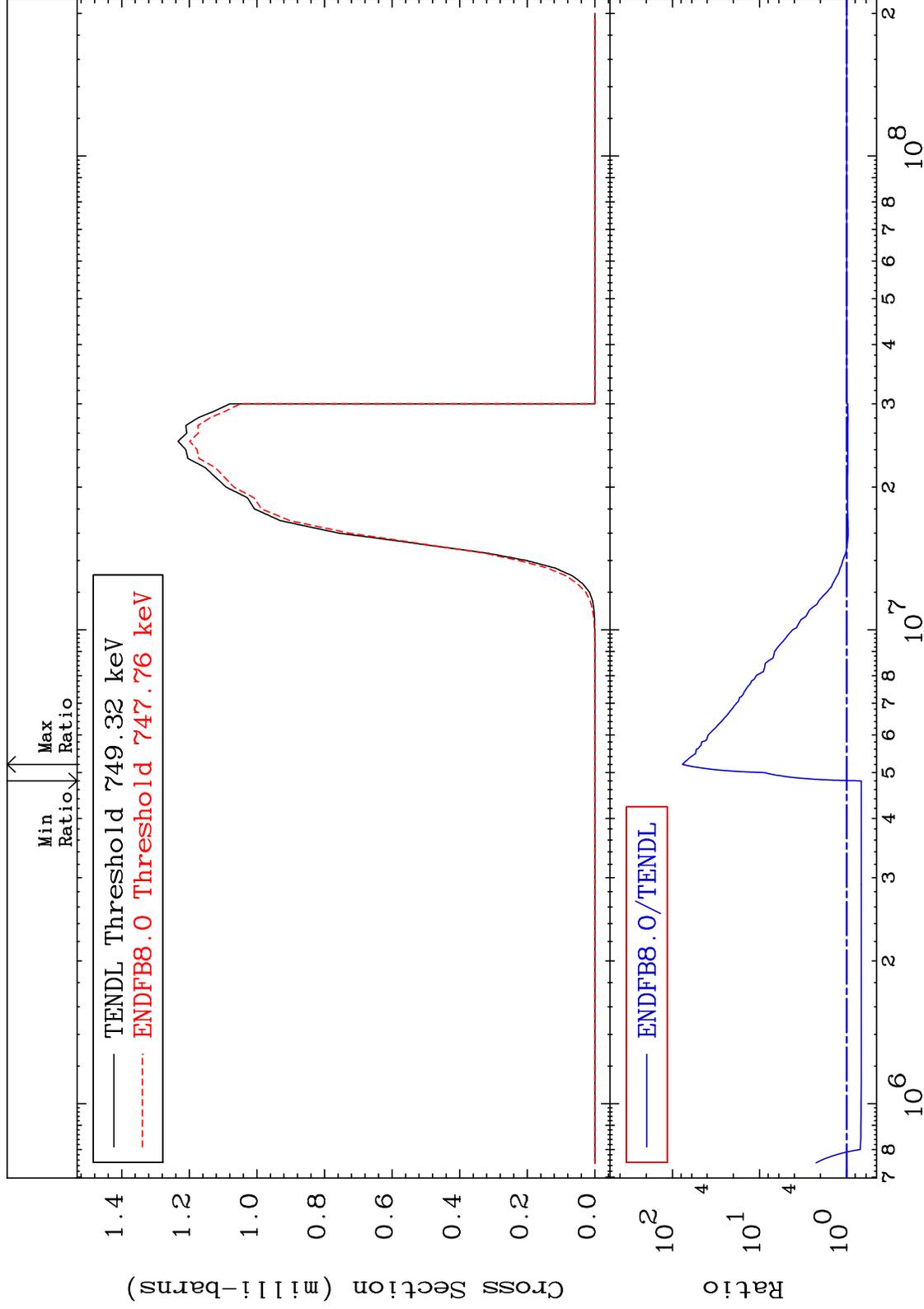
101 42-Mo-93

MAT 4228

(n,p) α :39-Y -89g

42-Mo-93

Radionuclide Production Cross Section -32.14 To 7595. %



102

Incident Energy (eV)

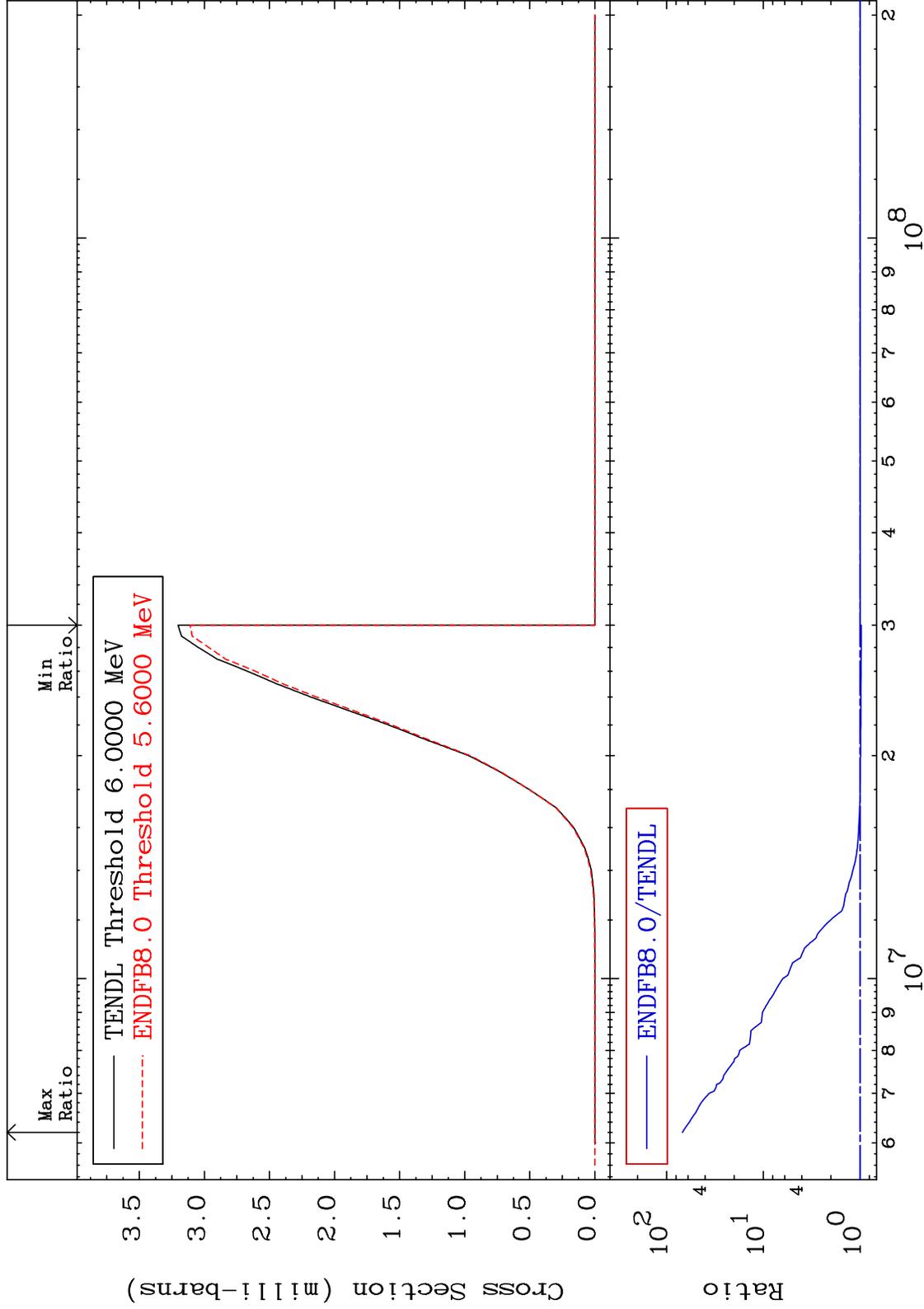
42-Mo-93

MAT 4228

(n,p) α :39-Y -89m1

42-Mo-93

Radionuclide Production Cross Section -2.907 To 6756. %



103

Incident Energy (eV)

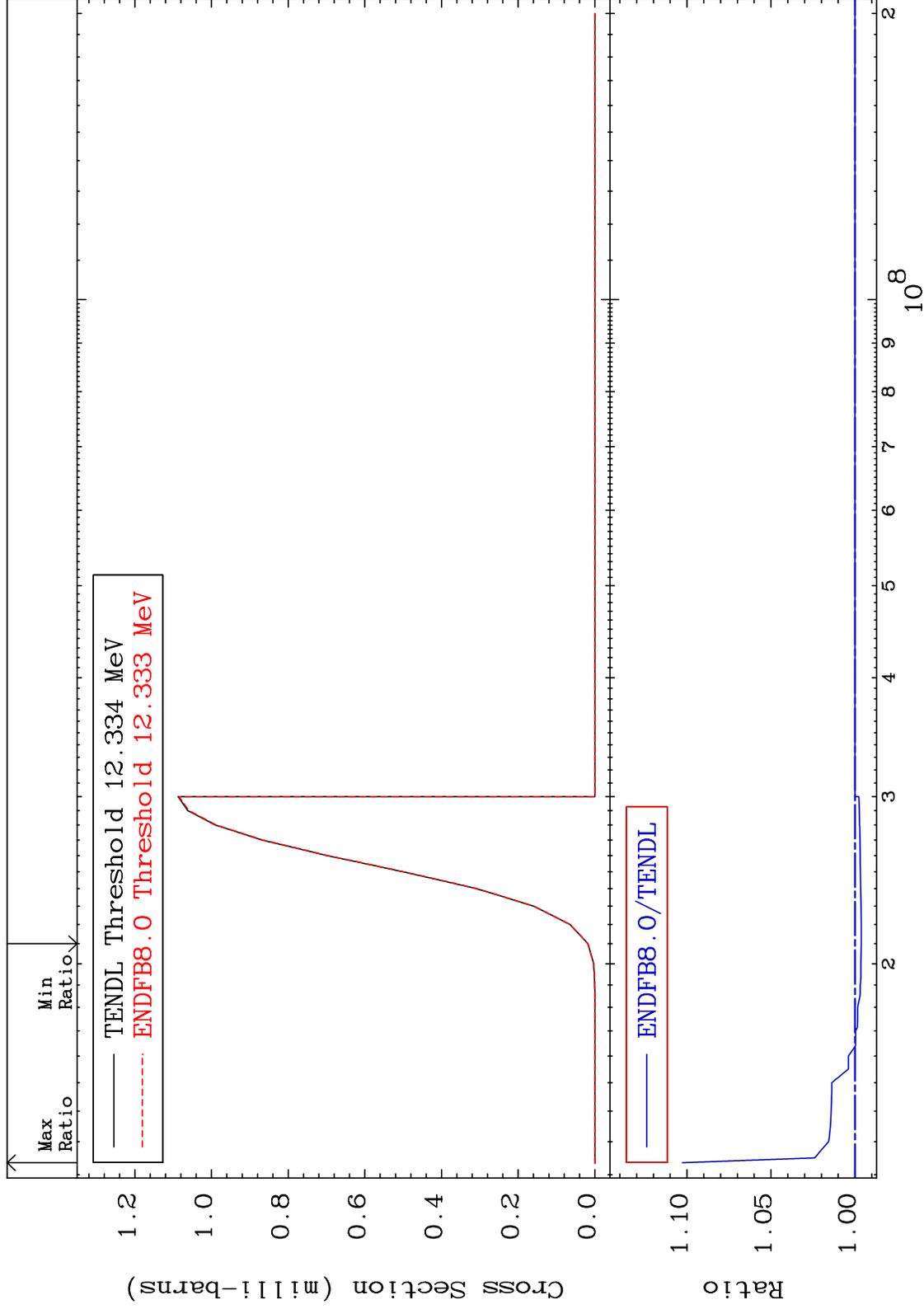
42-Mo-93

MAT 4228

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

42-Mo-93

Radionuclide Production Cross Section -0.378 To 10.27 %



MAT 4228 (n,p) t:40-Zr-90m3 42-Mo-93
 Radionuclide Production Cross Section -0.512 To 0.603 %

