

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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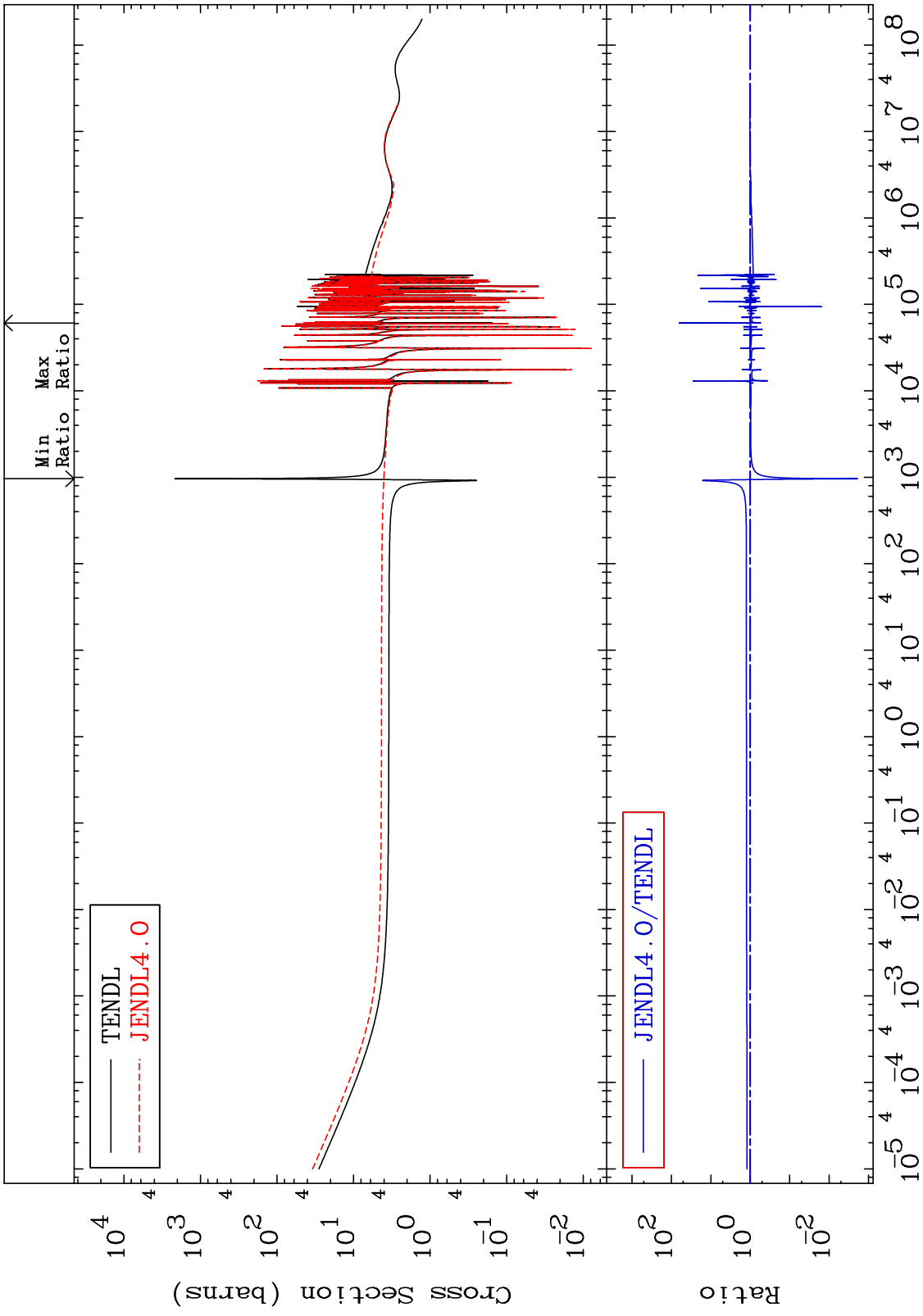
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3043 30-Zn-70
Total Cross Section -99.81 To 6286. %

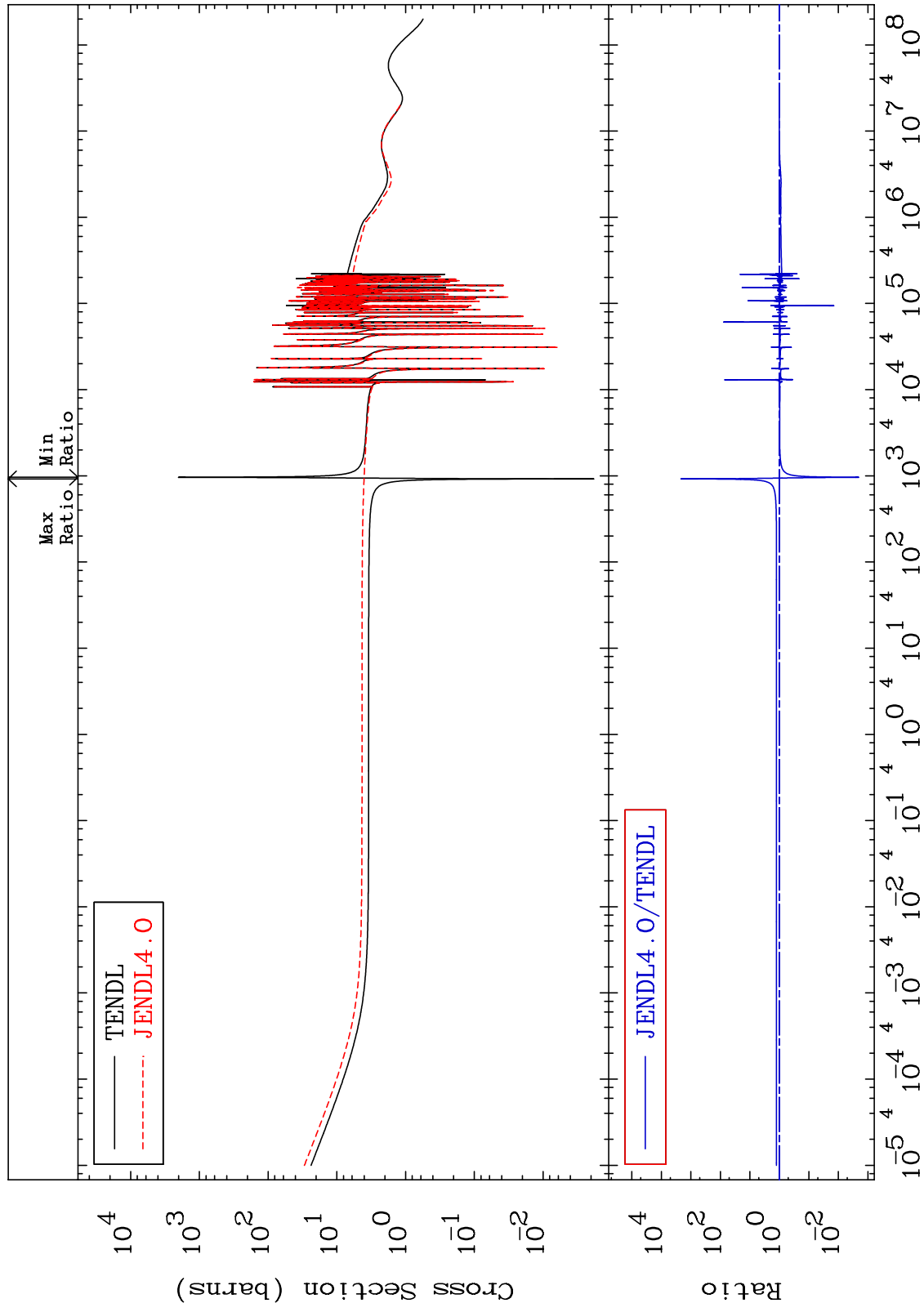


1 30-Zn-70

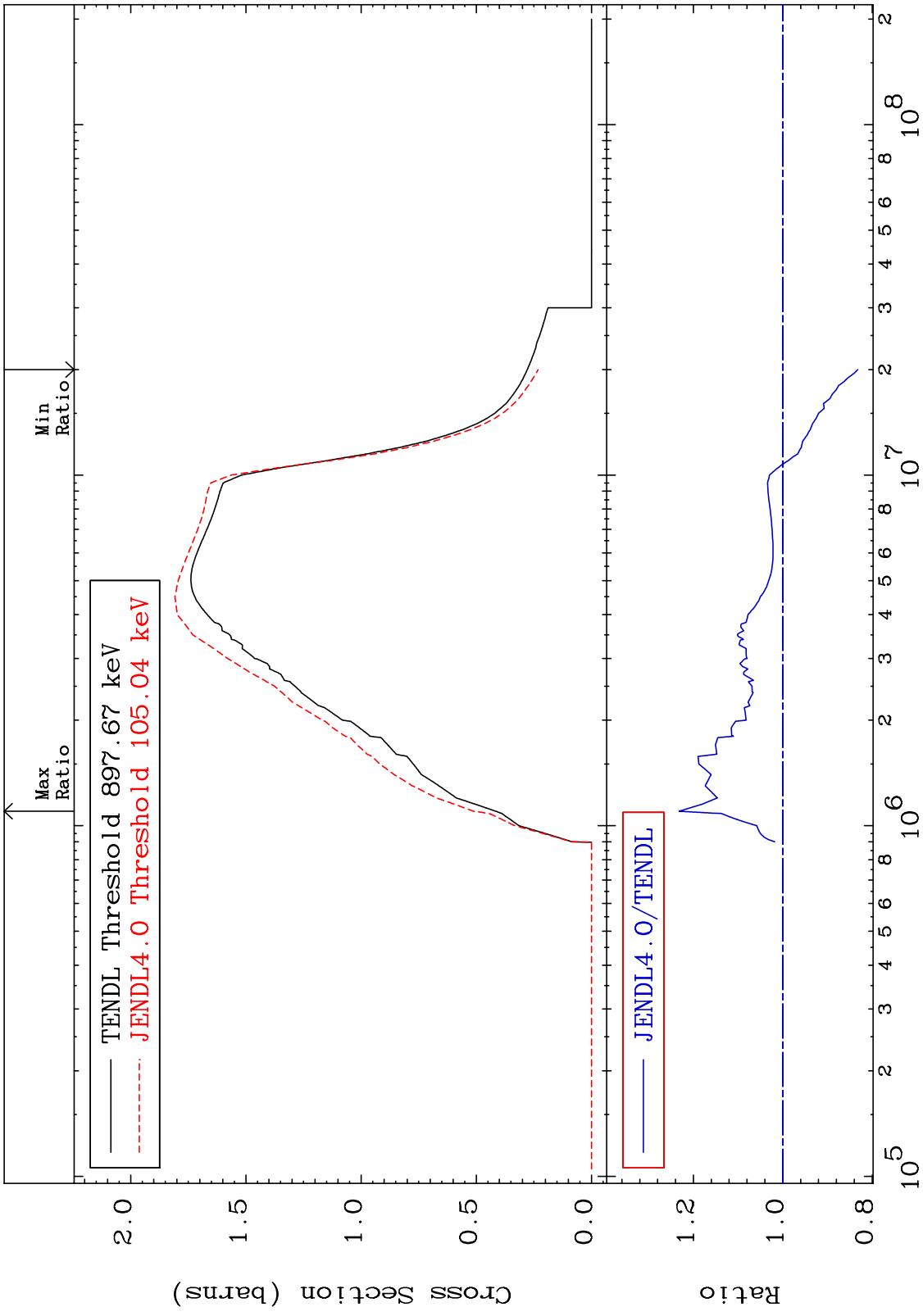
MAT 3043

Elastic
Cross Section

30-Zn-70
-99.80 To 9999. %

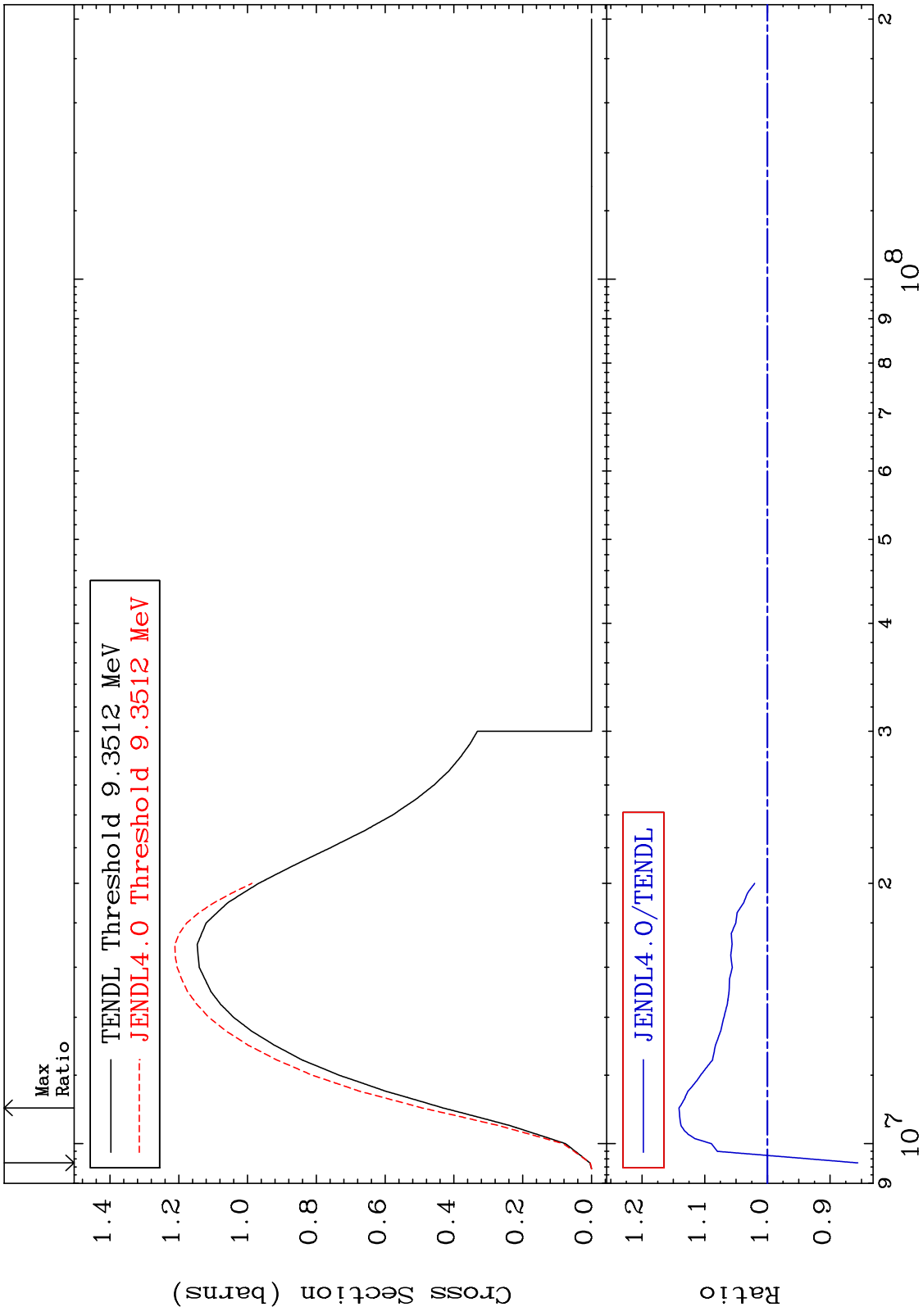


MAT 3043 Inelastic Cross Section -16.80 To 23.21 % 30-Zn-70



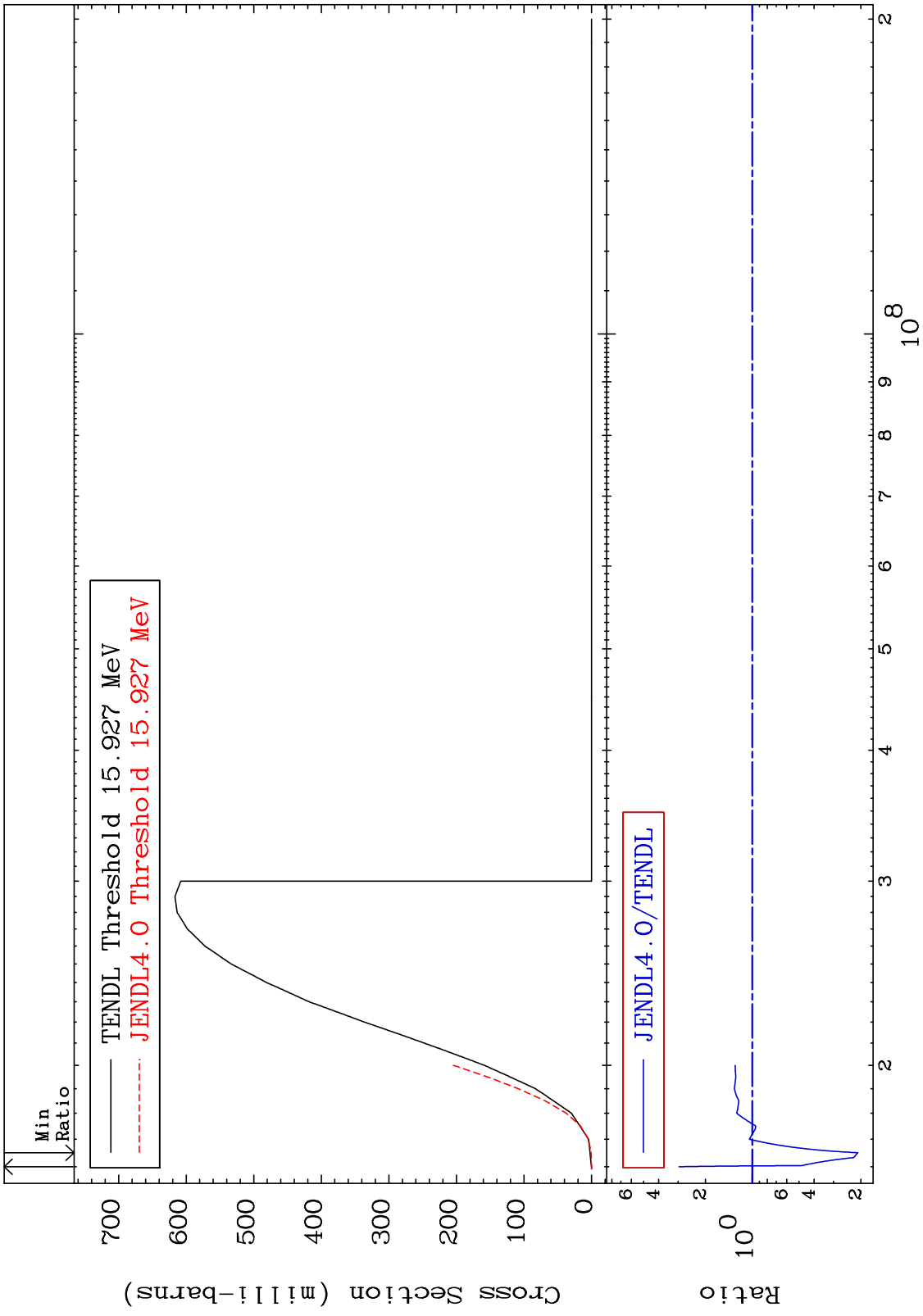
30-Zn-70

MAT 3043 (n,2n) Cross Section 30-Zn-70 -14.42 To 14.10 %

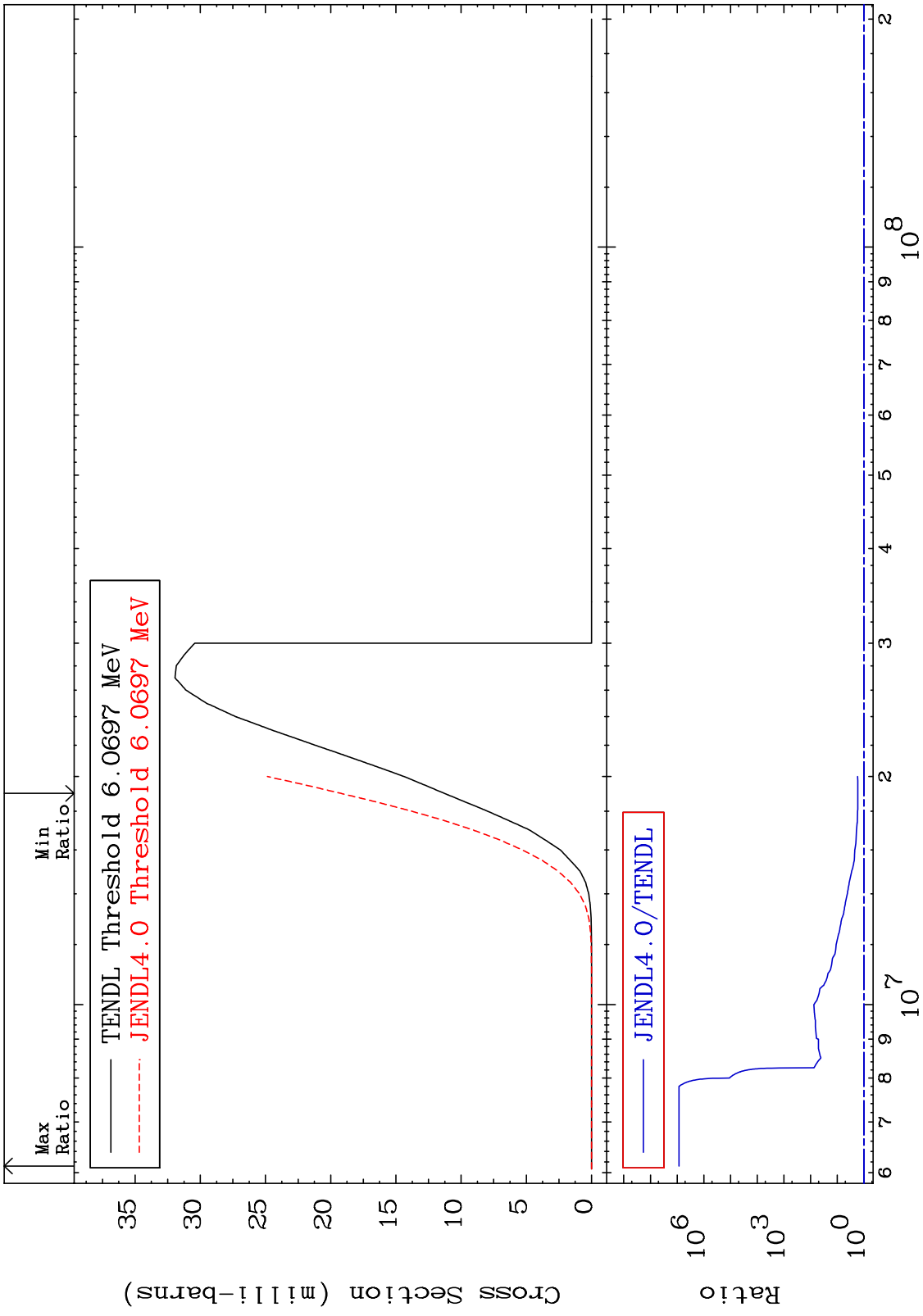


30-Zn-70 Incident Energy (eV)

MAT 3043 (n,3n) 30-Zn-70
 Cross Section -79.09 To 195.7 %

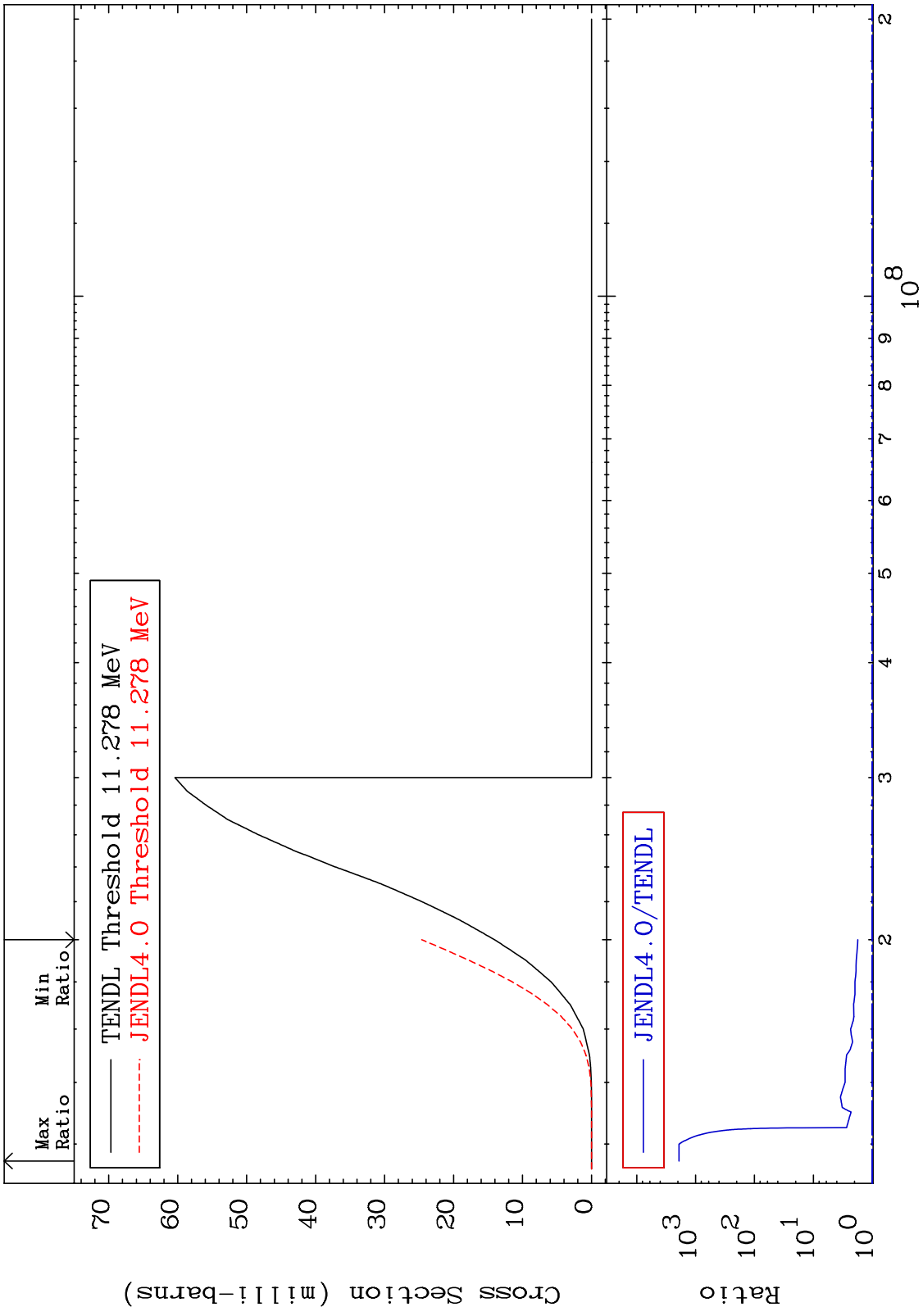


MAT 3043 $(n, n') \alpha$ Cross Section 30-Zn-70 To 9999. %



6 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,n') p 30-Zn-70
 Cross Section 75.09 To 9999. %



7 30-Zn-70 Incident Energy (eV)

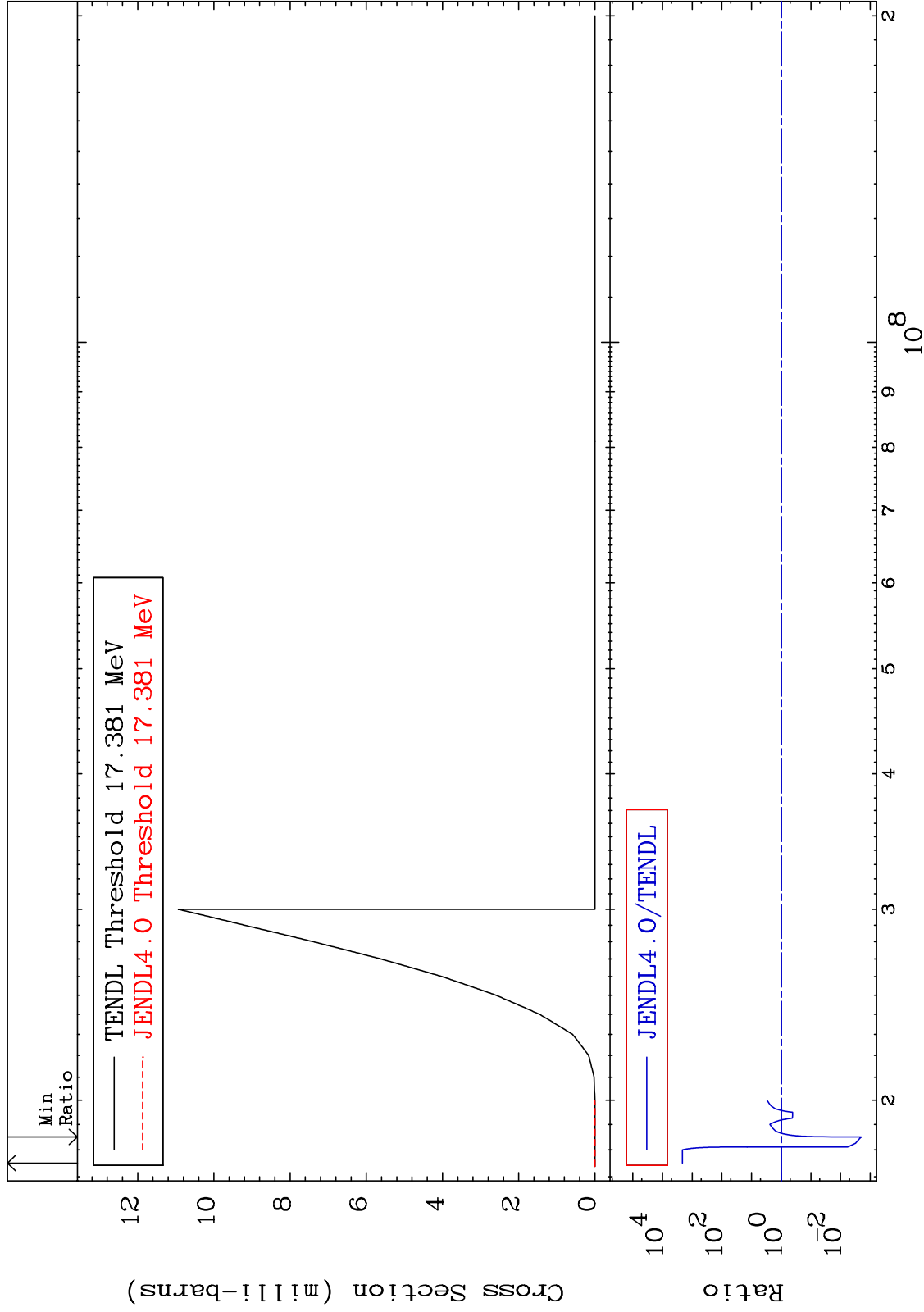
MAT 3043

(n, n') d

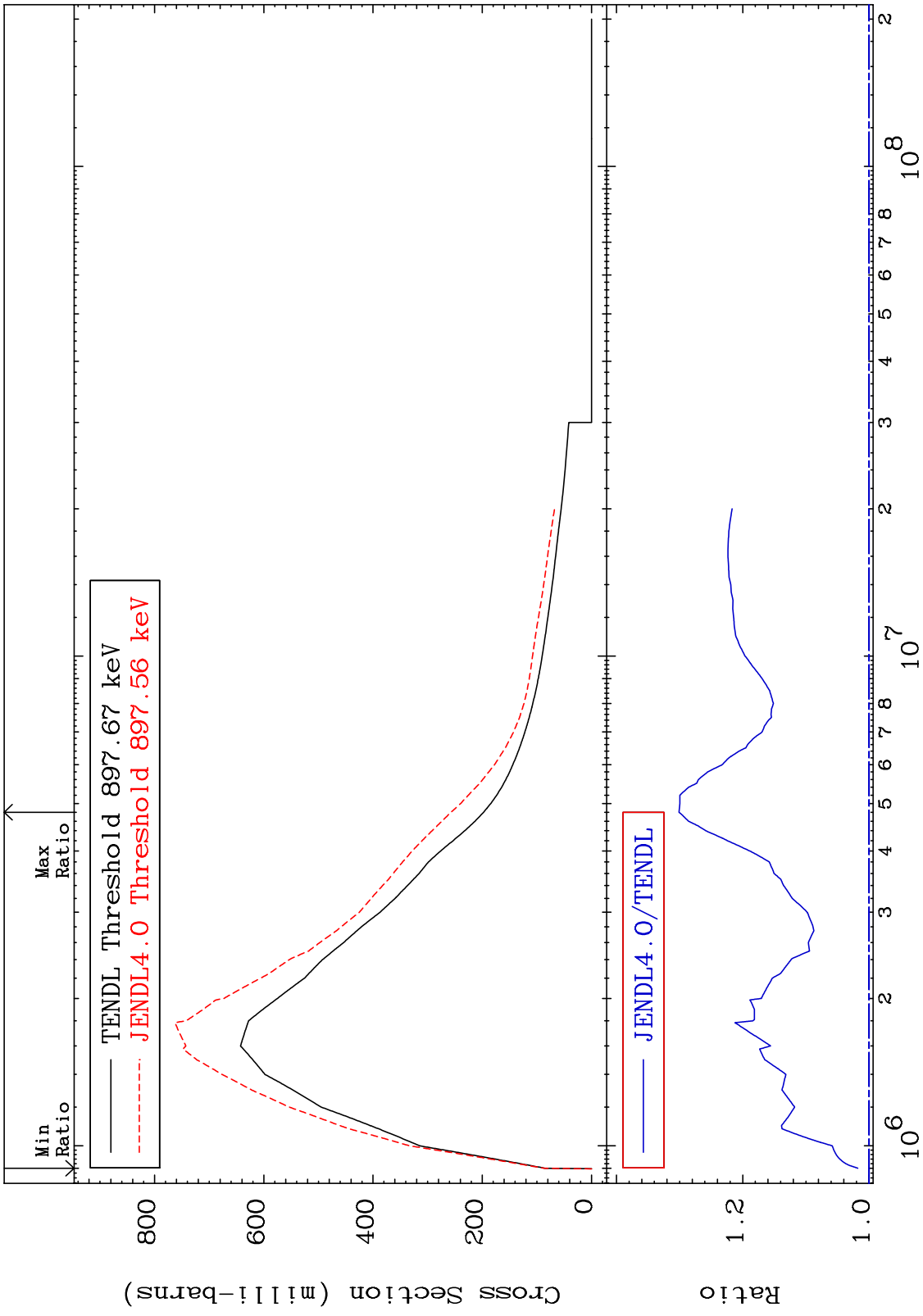
30-Zn-70

Cross Section

-99.80 To 9999. %

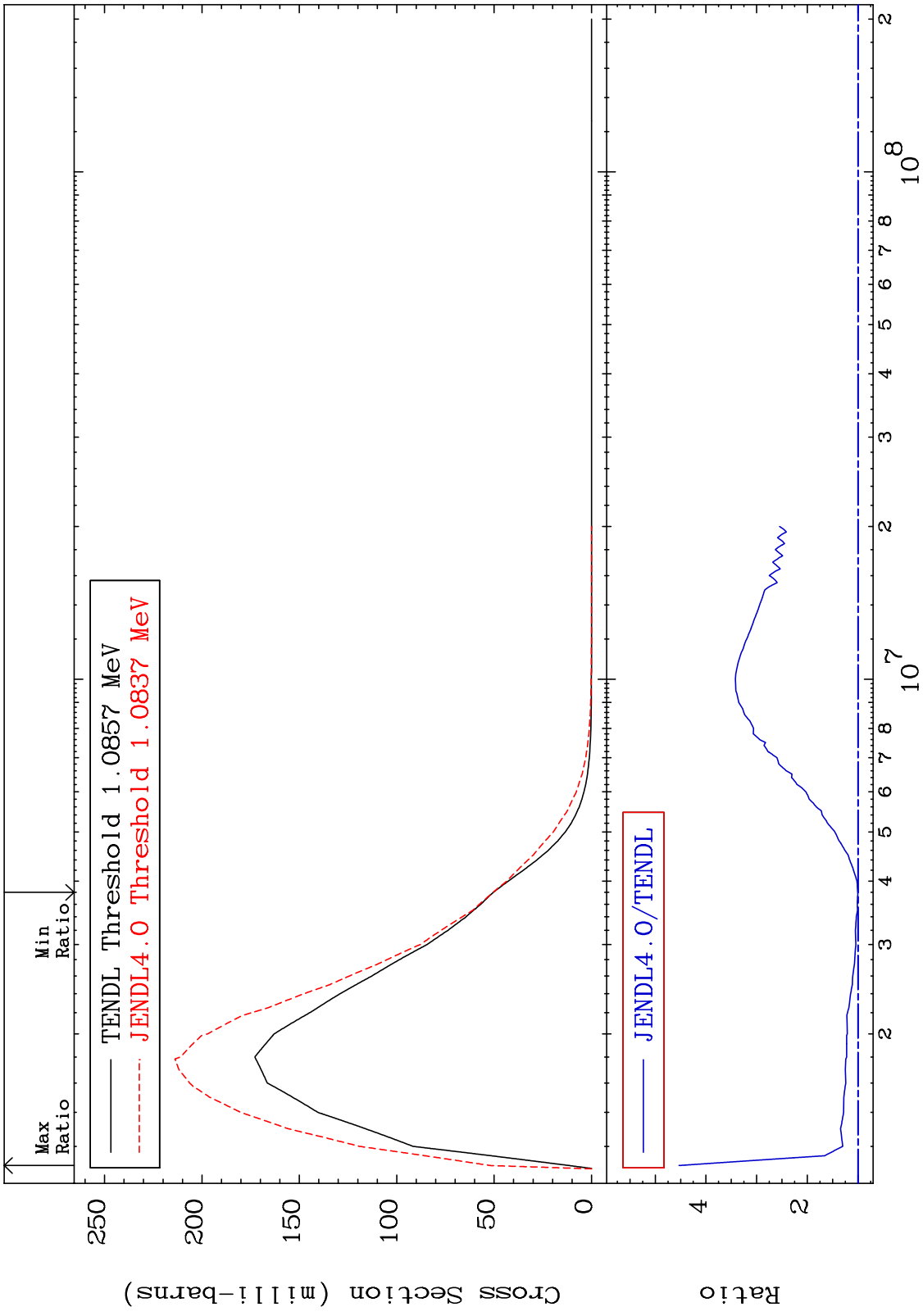


MAT 3043 MT= 51 (n,n') Level Cross Section 30-Zn-70
1.768 To 30.09 %

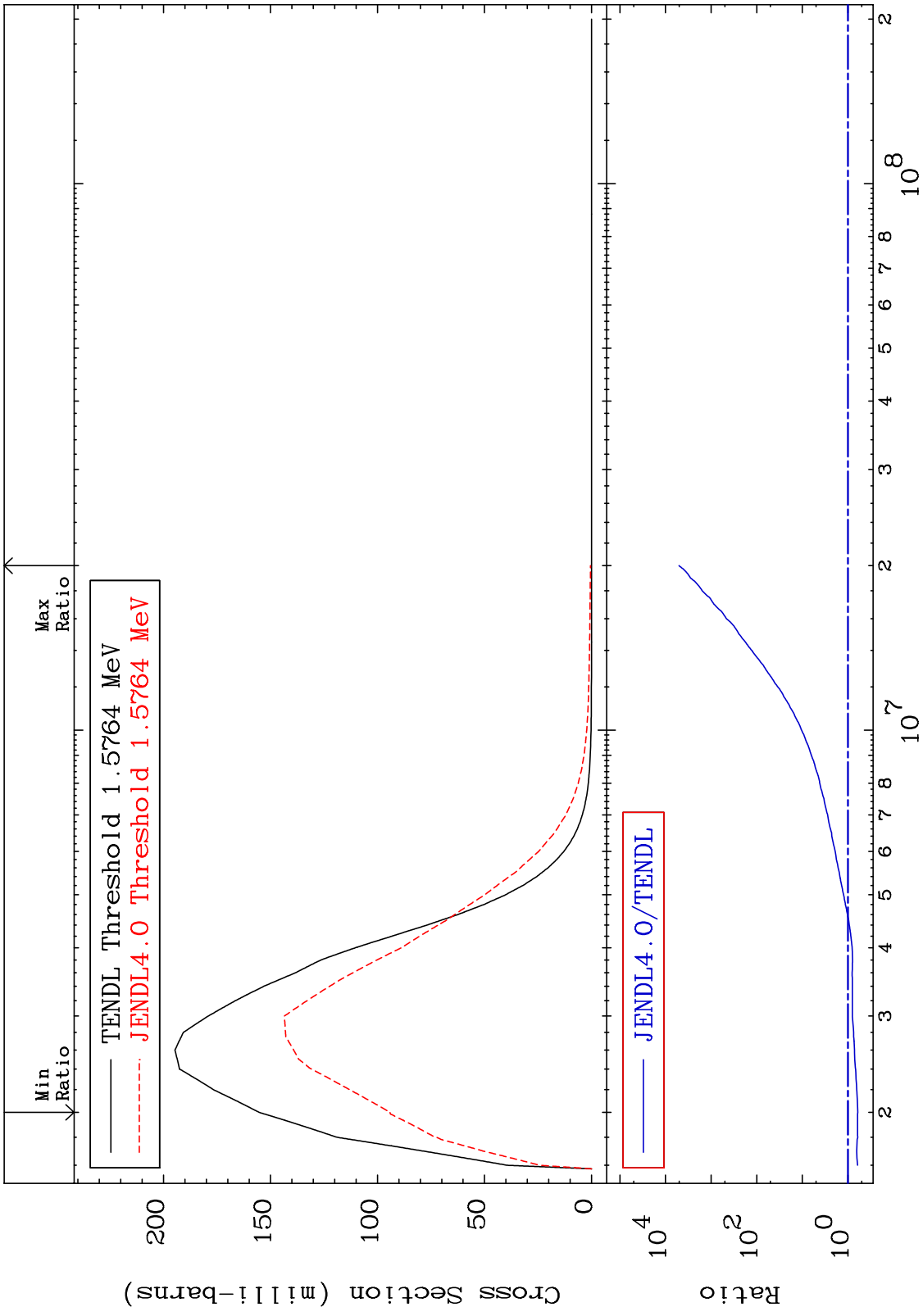


30-Zn-70

MAT 3043 MT= 52 (n,n') Level Cross Section 0.164 To 353.1 % 30-Zn-70



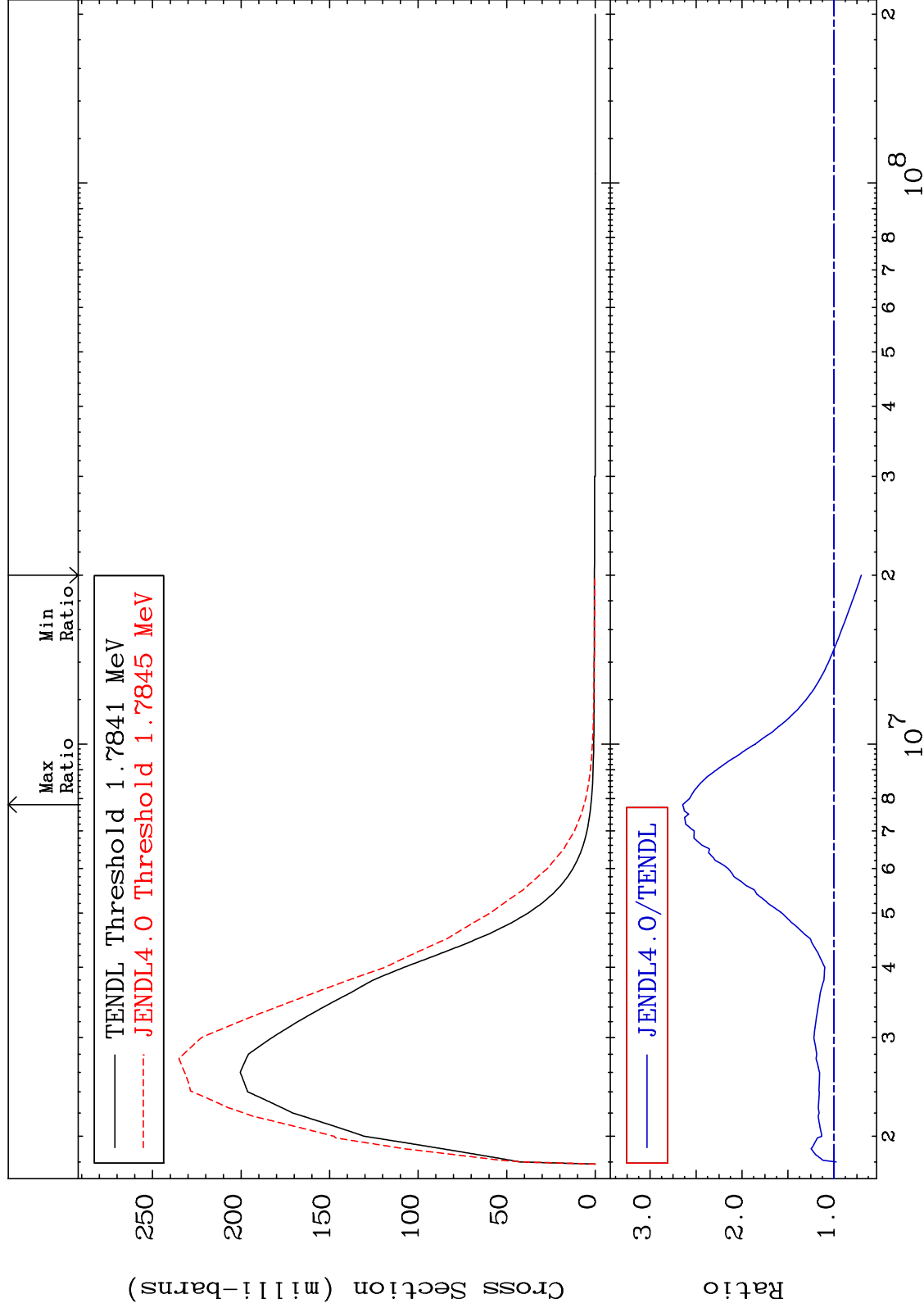
MAT 3043 MT= 53 (n,n') Level Cross Section -39.41 To 9999. % 30-Zn-70



MAT 3043

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

30-Zn-70
-29.85 To 164.6 %



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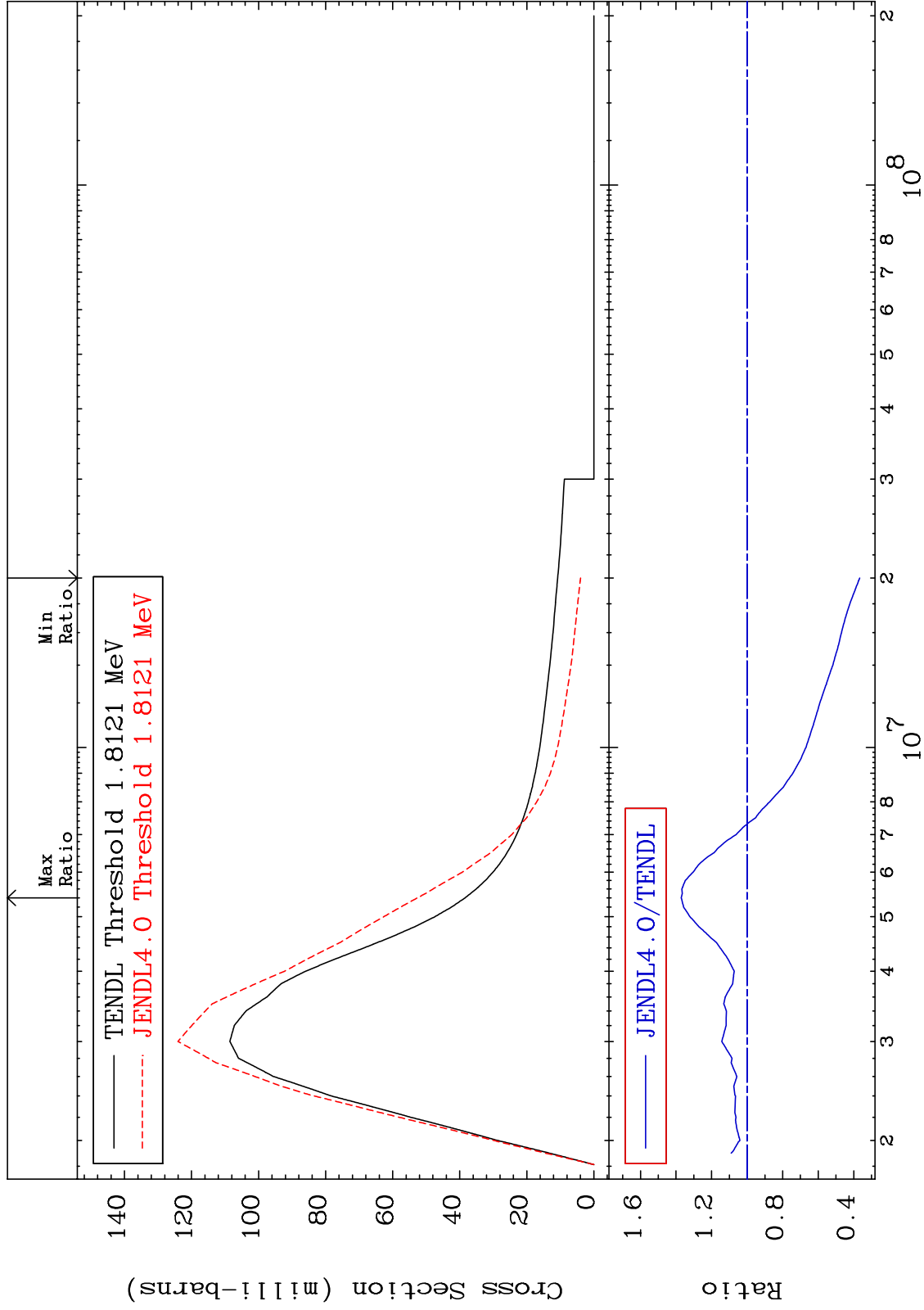
Incident Energy (eV)

30-Zn-70

MAT 3043

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

30-Zn-70
-63.39 To 37.07 %

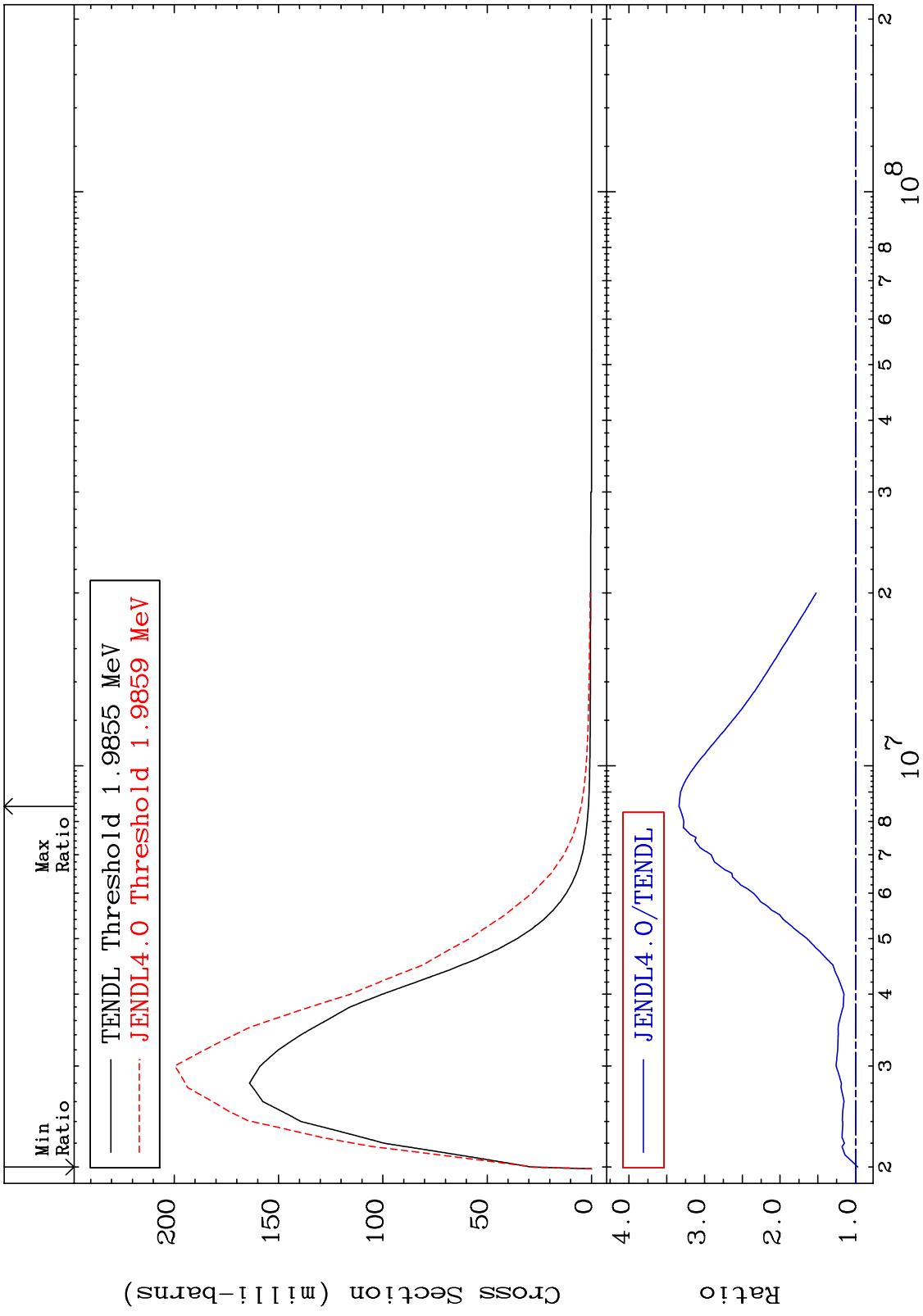


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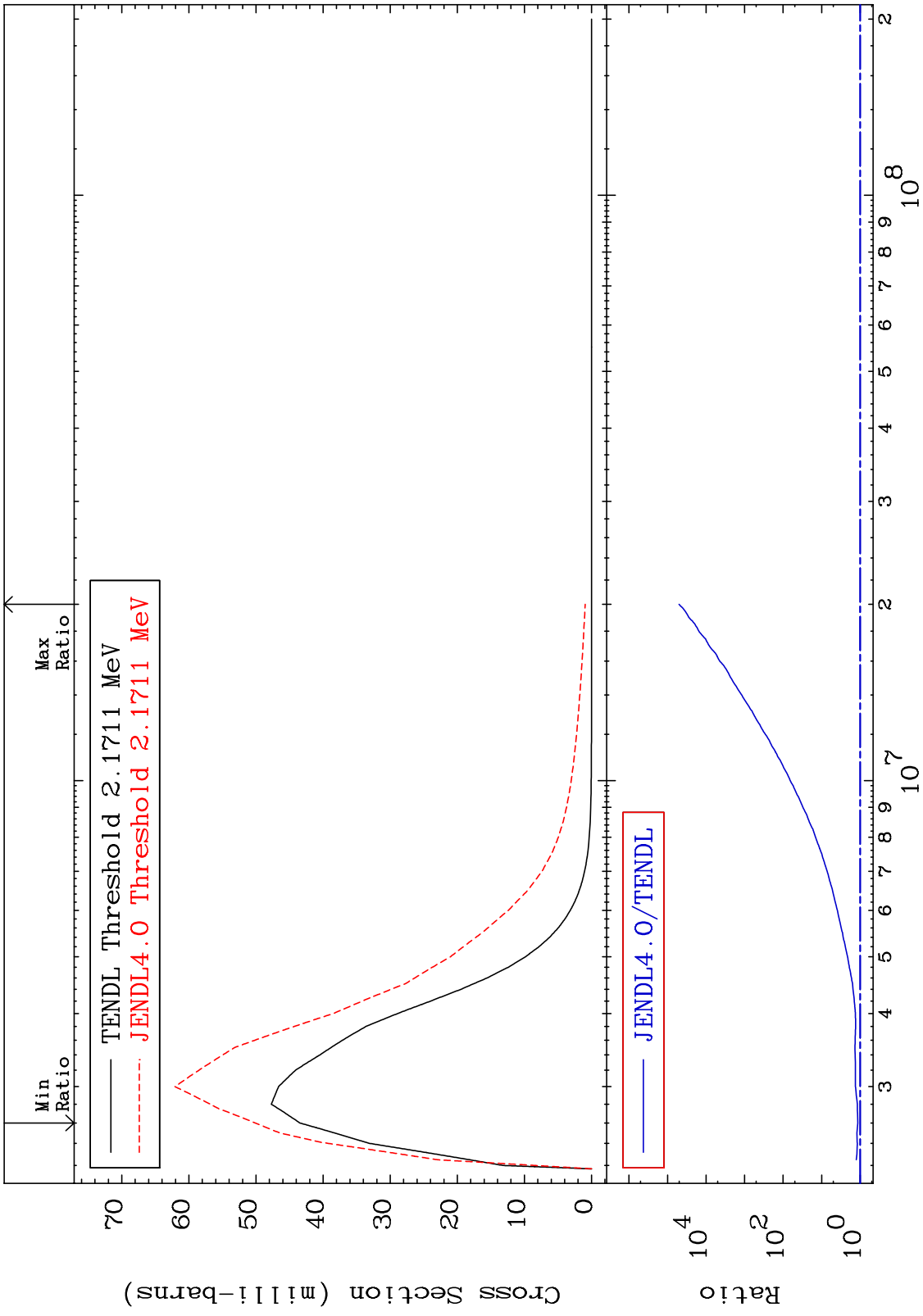
Incident Energy (eV)

30-Zn-70

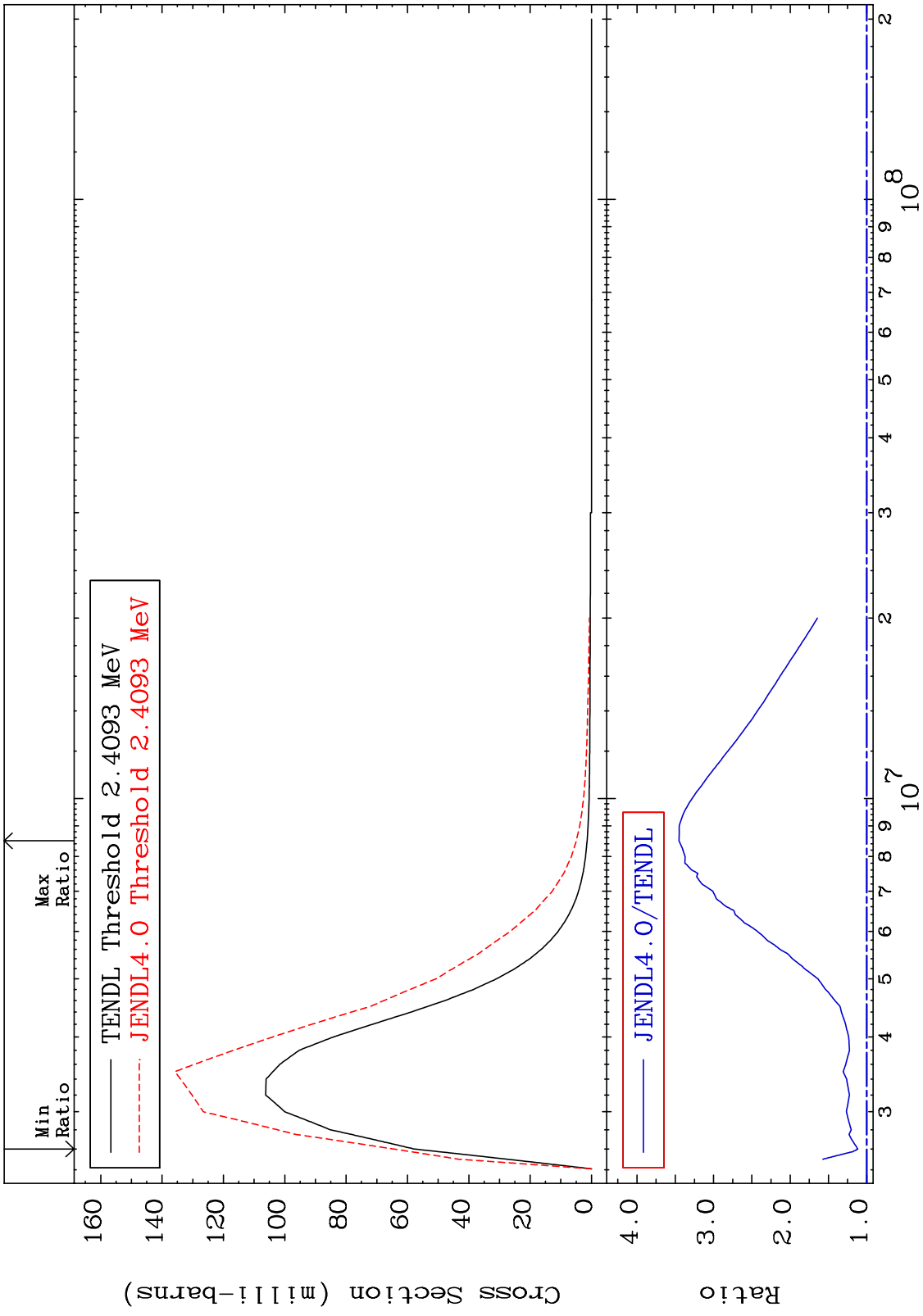
MAT 3043 MT= 56 (n,n') Level Cross Section 30-Zn-70
 -3.063 To 233.7 %



MAT 3043 MT= 57 (n,n') Level Cross Section 30-Zn-70
 15.27 To 9999. %



MAT 3043 MT= 58 (n,n') Level Cross Section 30-Zn-70 To 245.1 %
 11.60



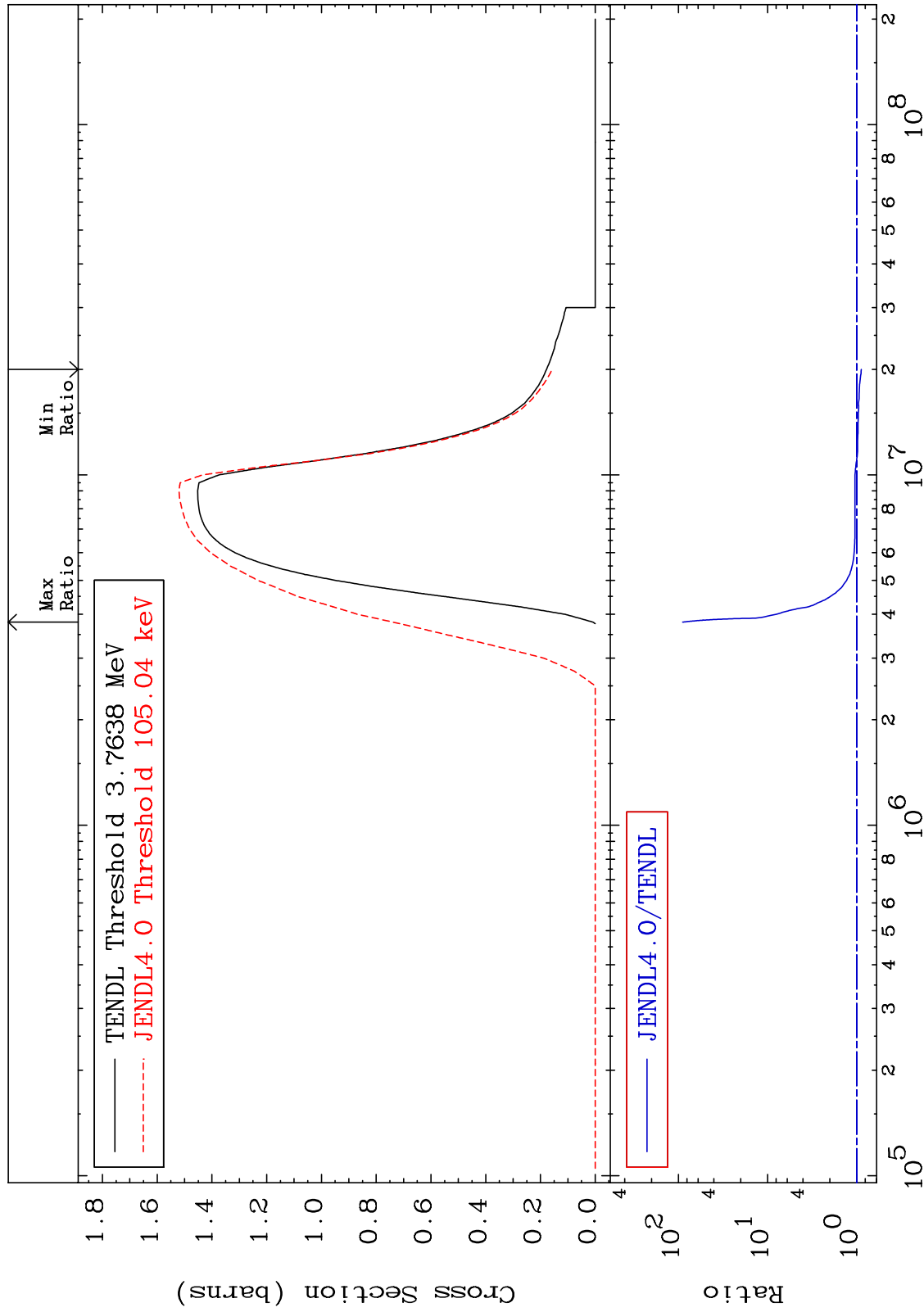
30-Zn-70

Incident Energy (eV)

MAT 3043

(n, n') Continuum
Cross Section

30-Zn-70
-11.41 To 8854. %



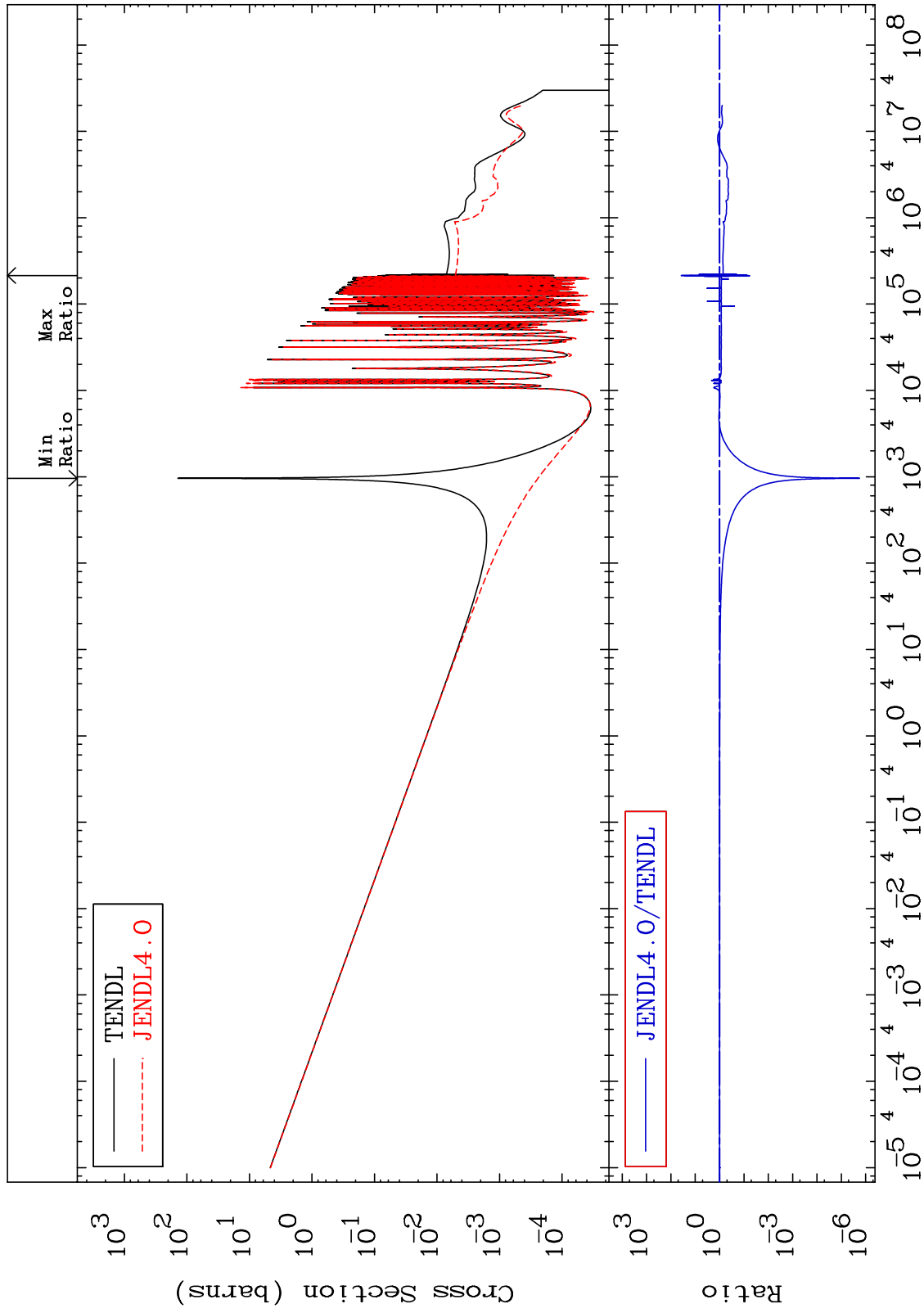
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Incident Energy (eV)

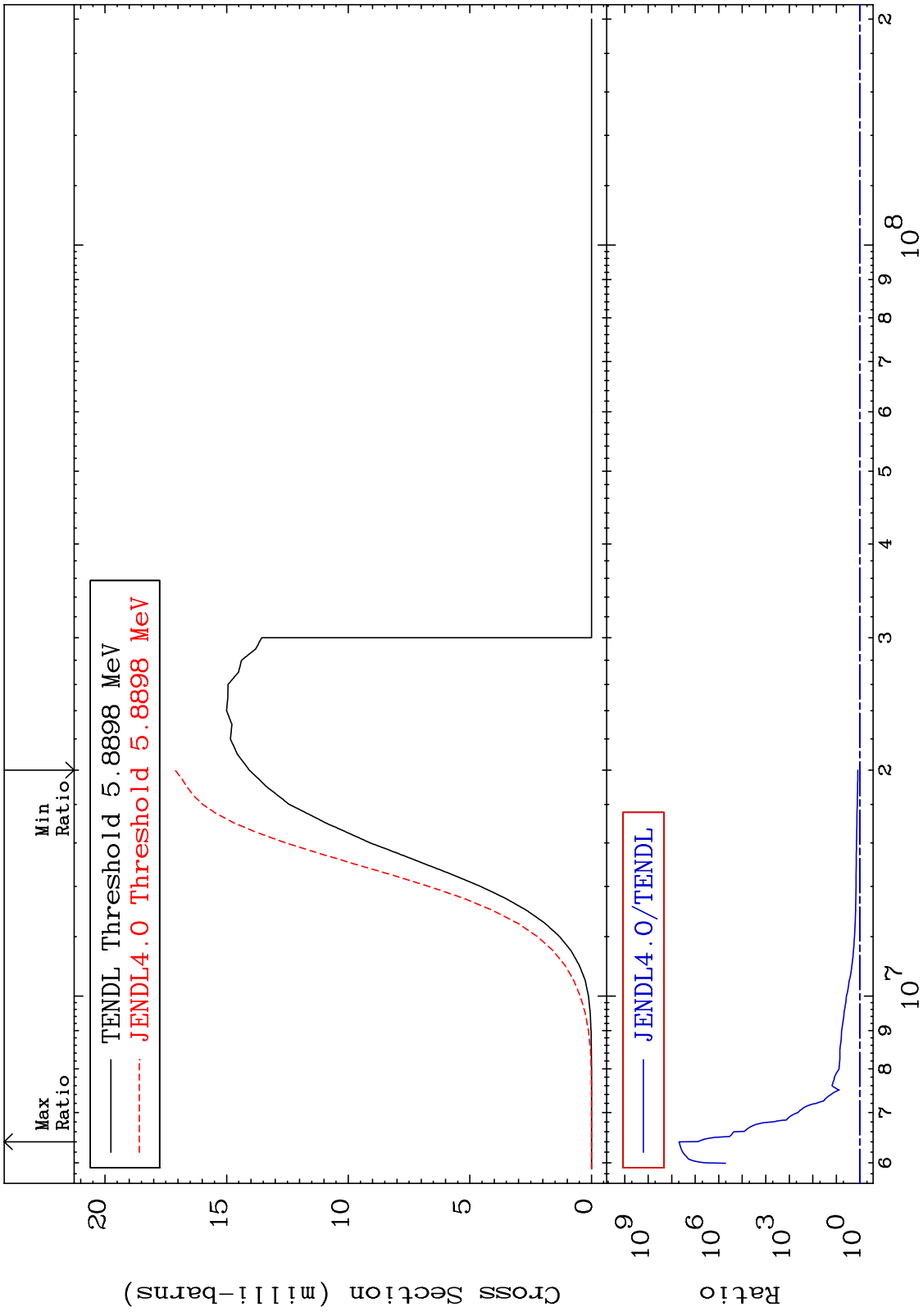
30-Zn-70

MAT 3043

(n, γ) Cross Section
-100.0 To 3658. %
30-Zn-70

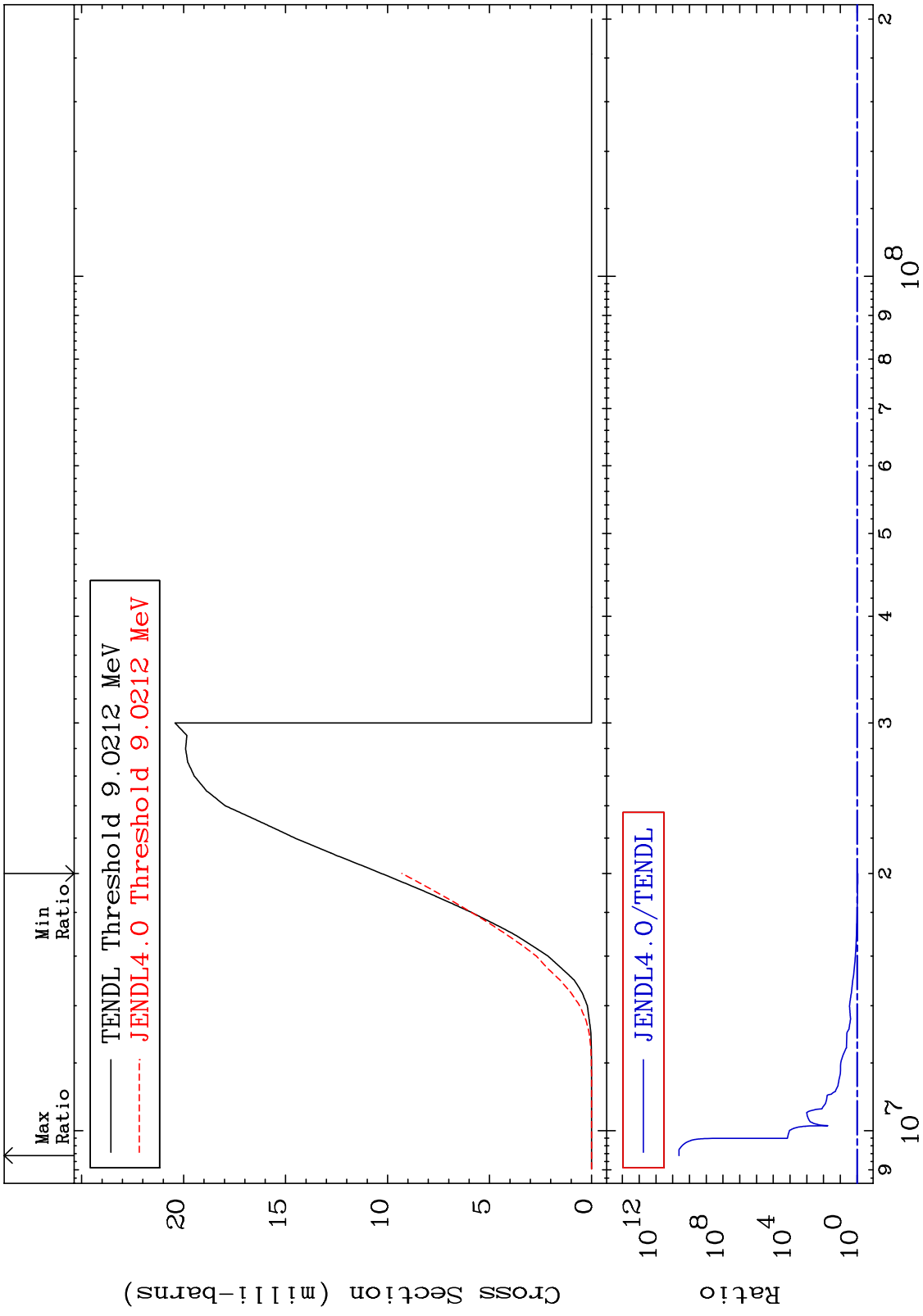


MAT 3043 (n,p) Cross Section 30-Zn-70 To 9999. %

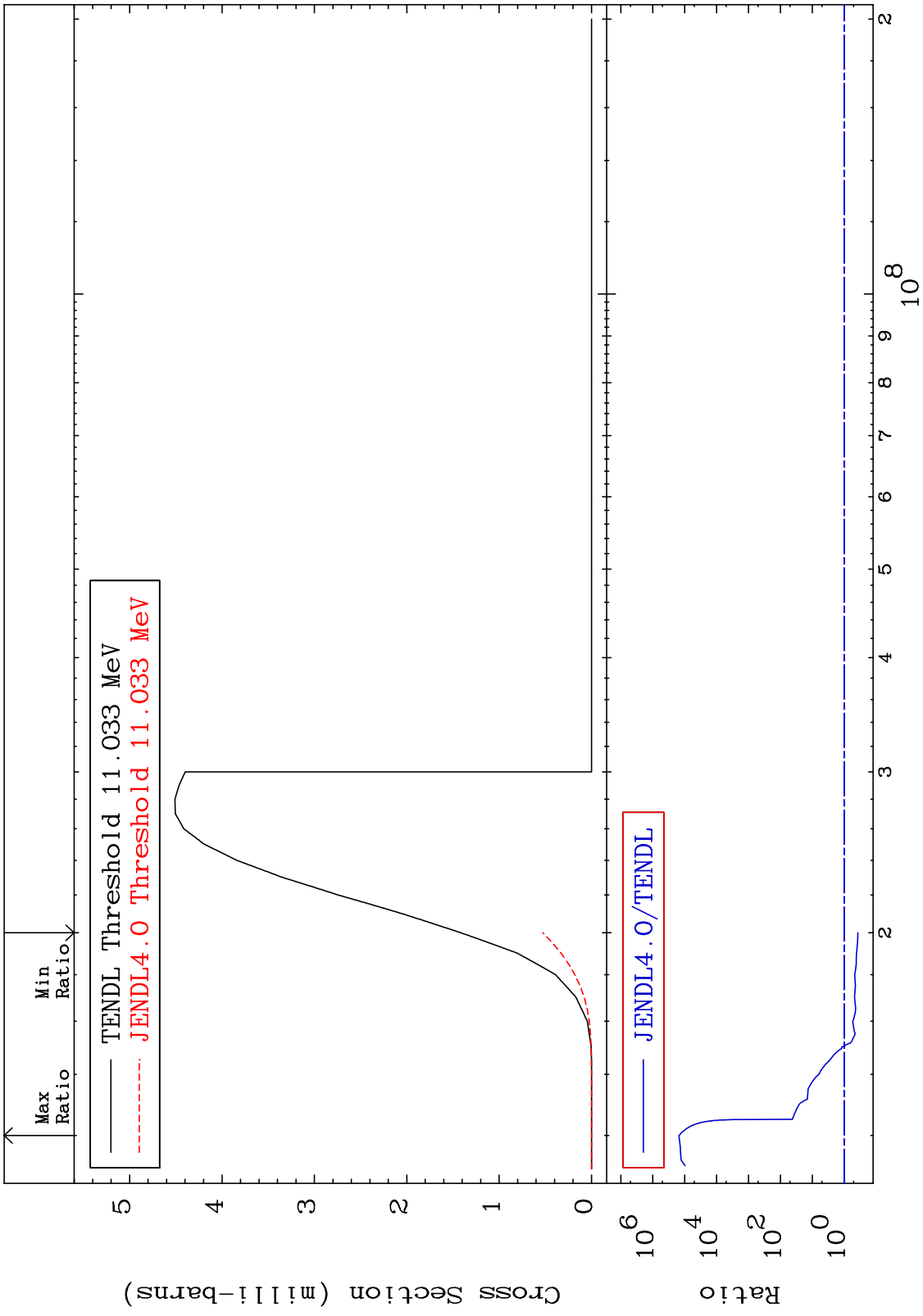


19 30-Zn-70 Incident Energy (eV)

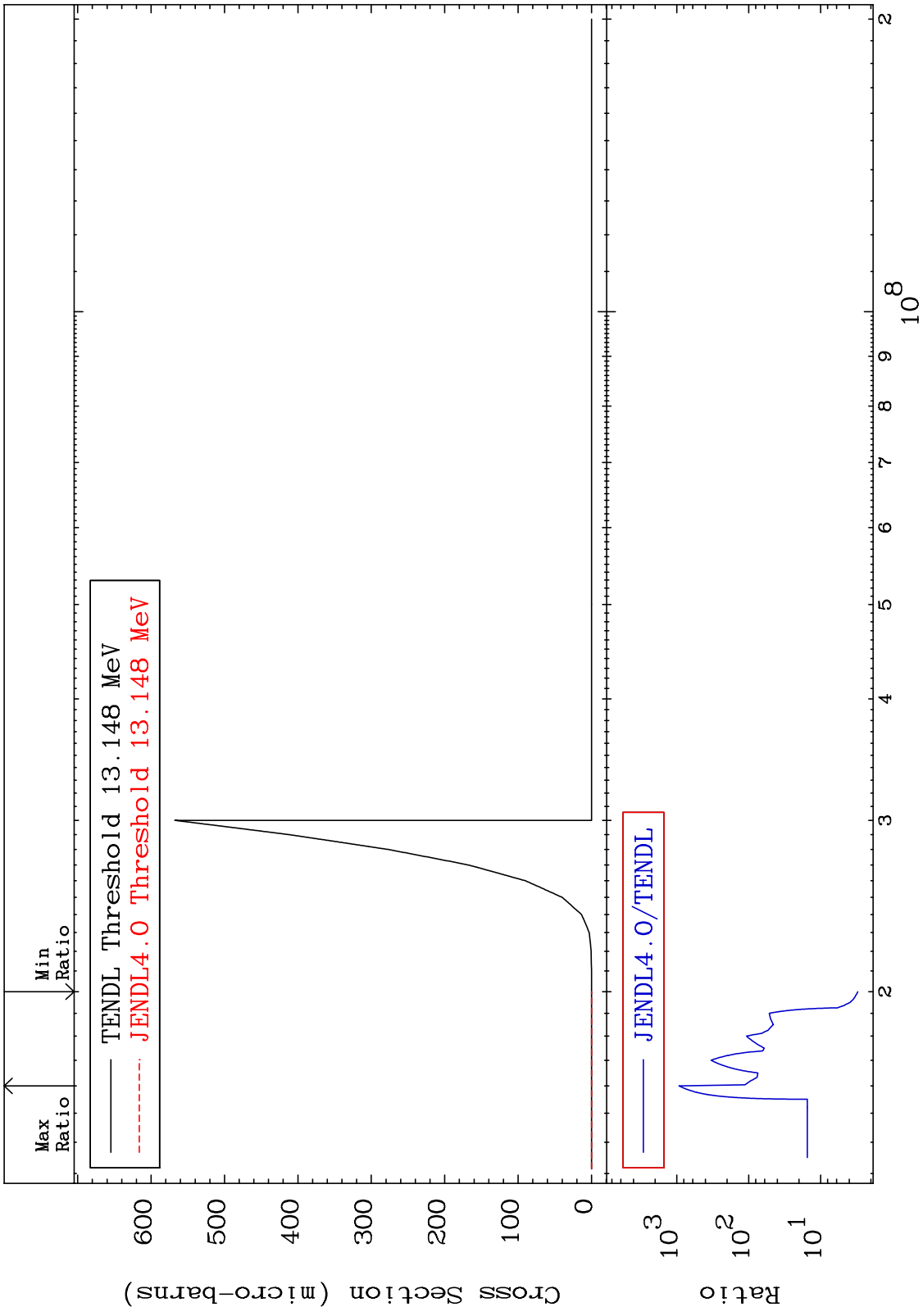
MAT 3043 (n,d) 30-Zn-70
Cross Section -9.730 To 9999. %



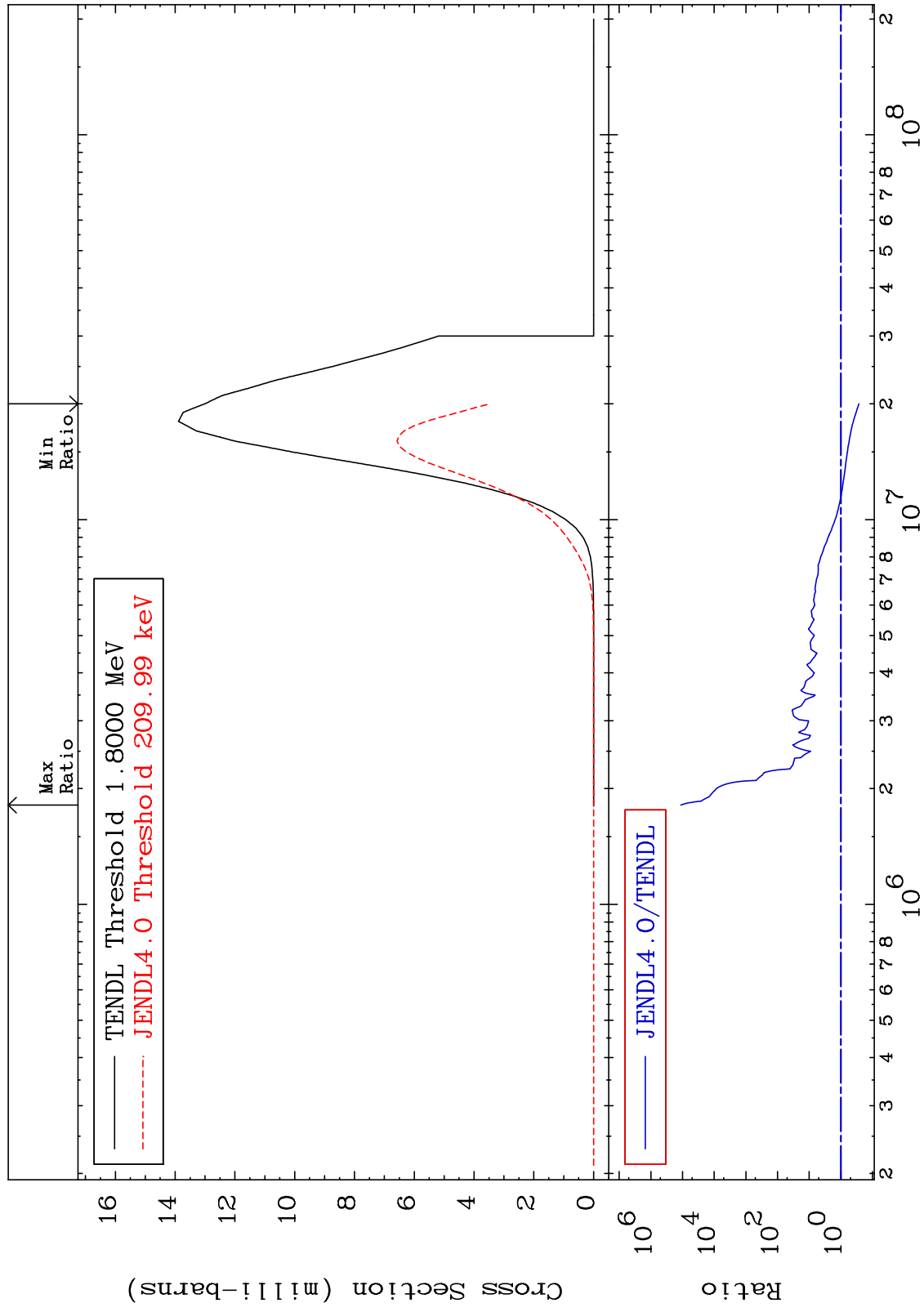
MAT 3043 (n,t) 30-Zn-70
 Cross Section -62.80 To 9999. %



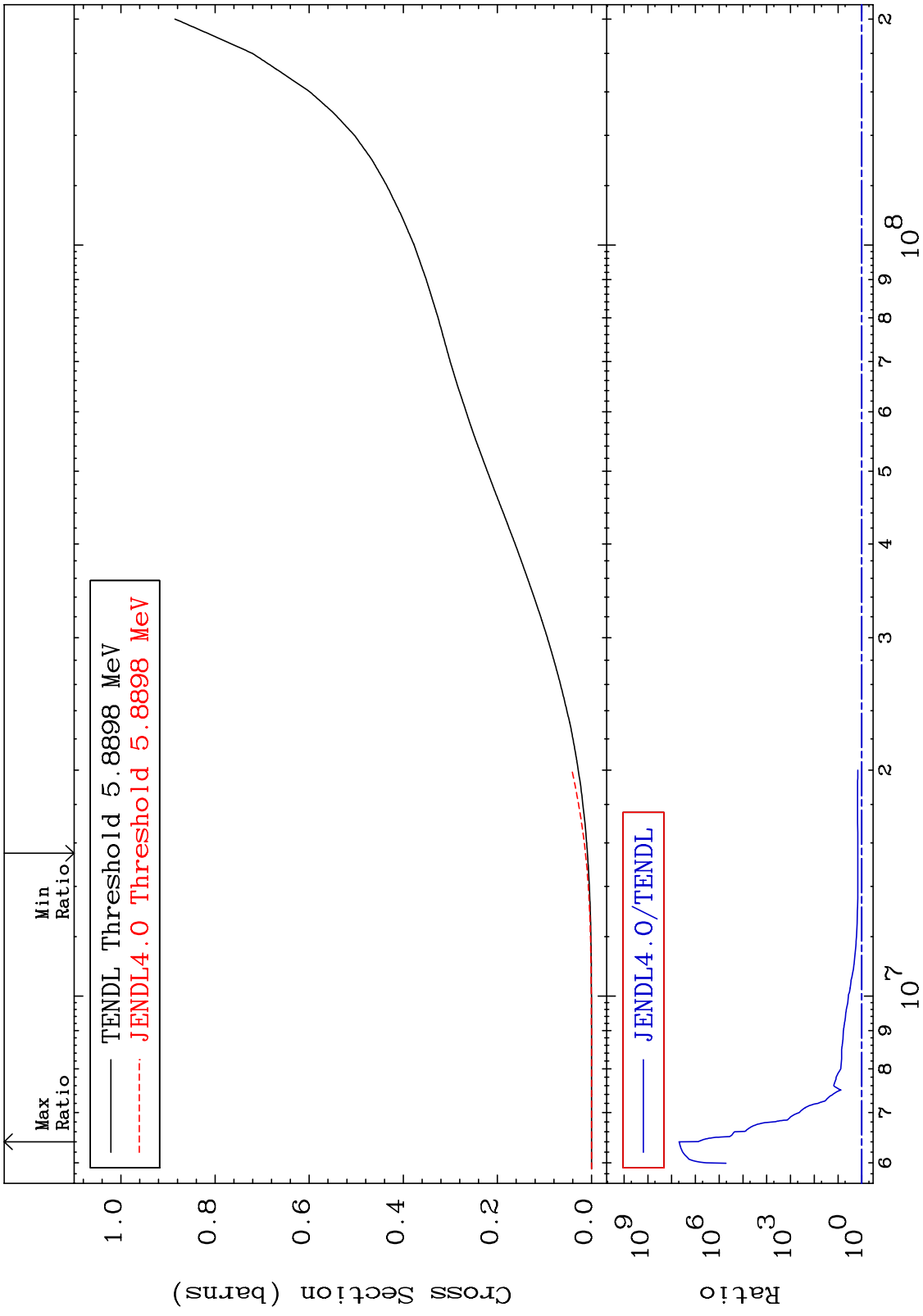
MAT 3043 (n, He-3) 30-Zn-70
 Cross Section 204.1 To 9999. %



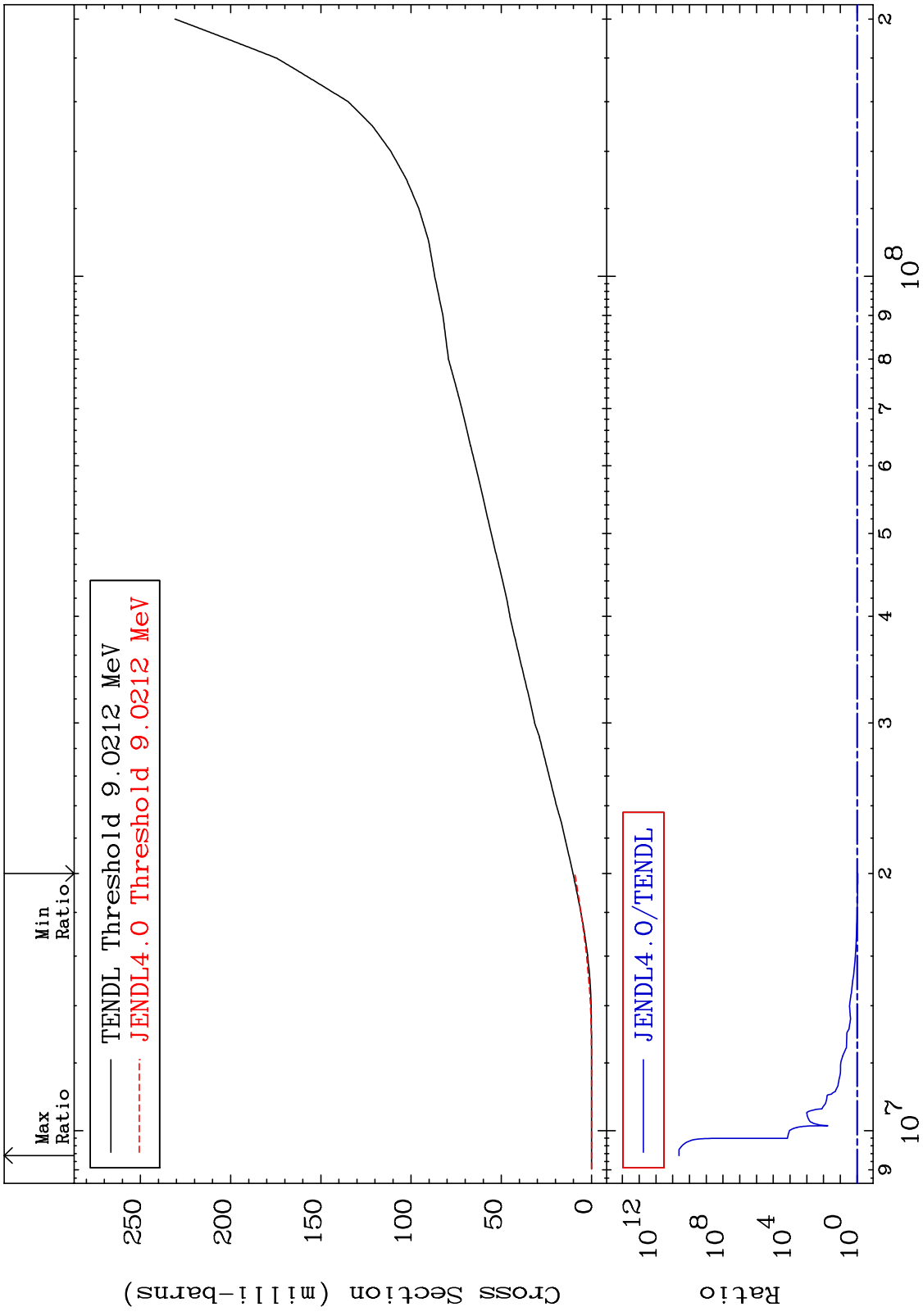
Incident Energy (eV) 30-Zn-70



MAT 3043 Hydrogen Production Cross Section 30-Zn-70 To 9999. %



MAT 3043 Deuterium Production Cross Section 30-Zn-70 -9.715 To 9999. %

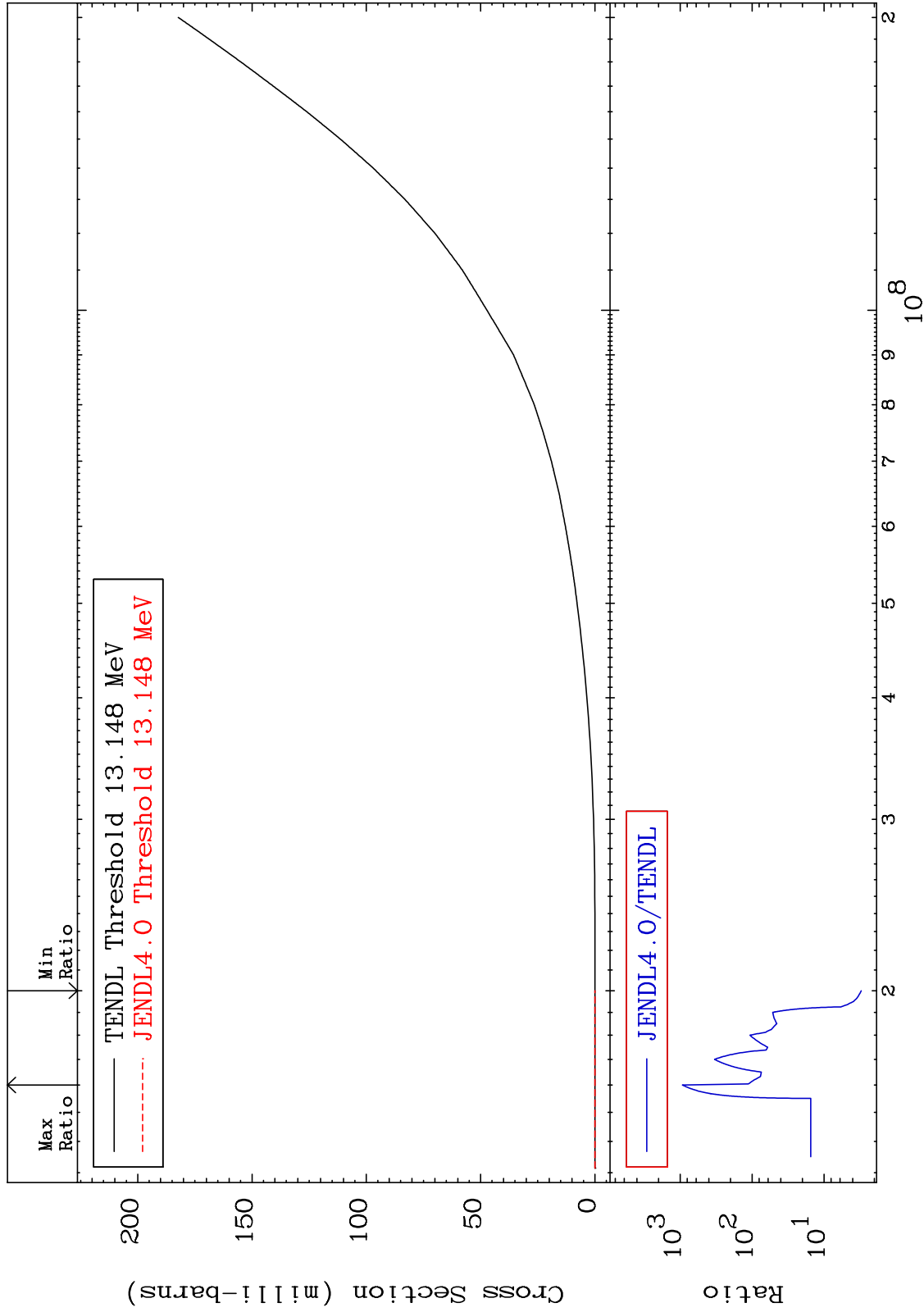


30-Zn-70 Incident Energy (eV) 25

MAT 3043

He-3 Production
Cross Section

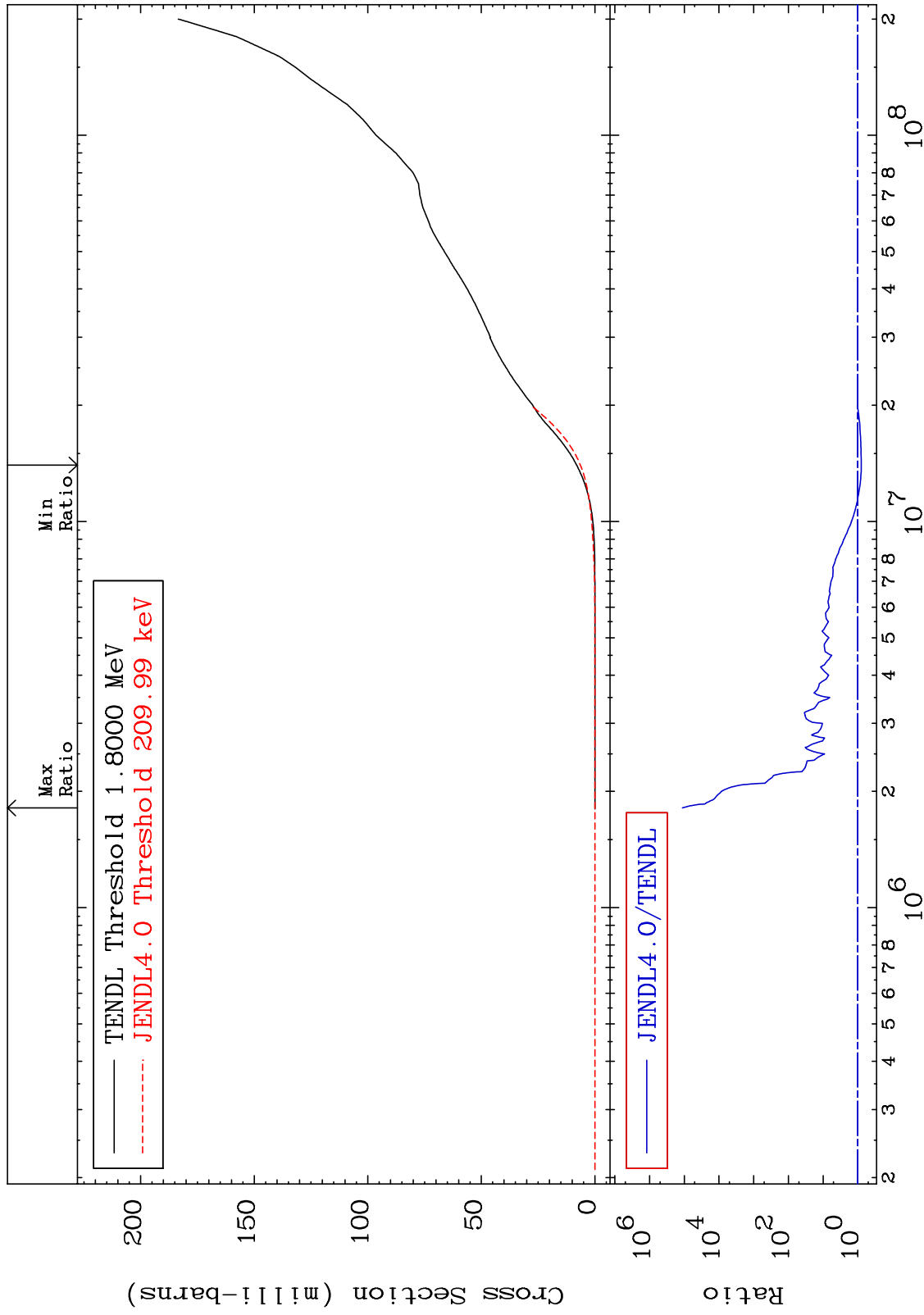
30-Zn-70
204.1 To 9999. %

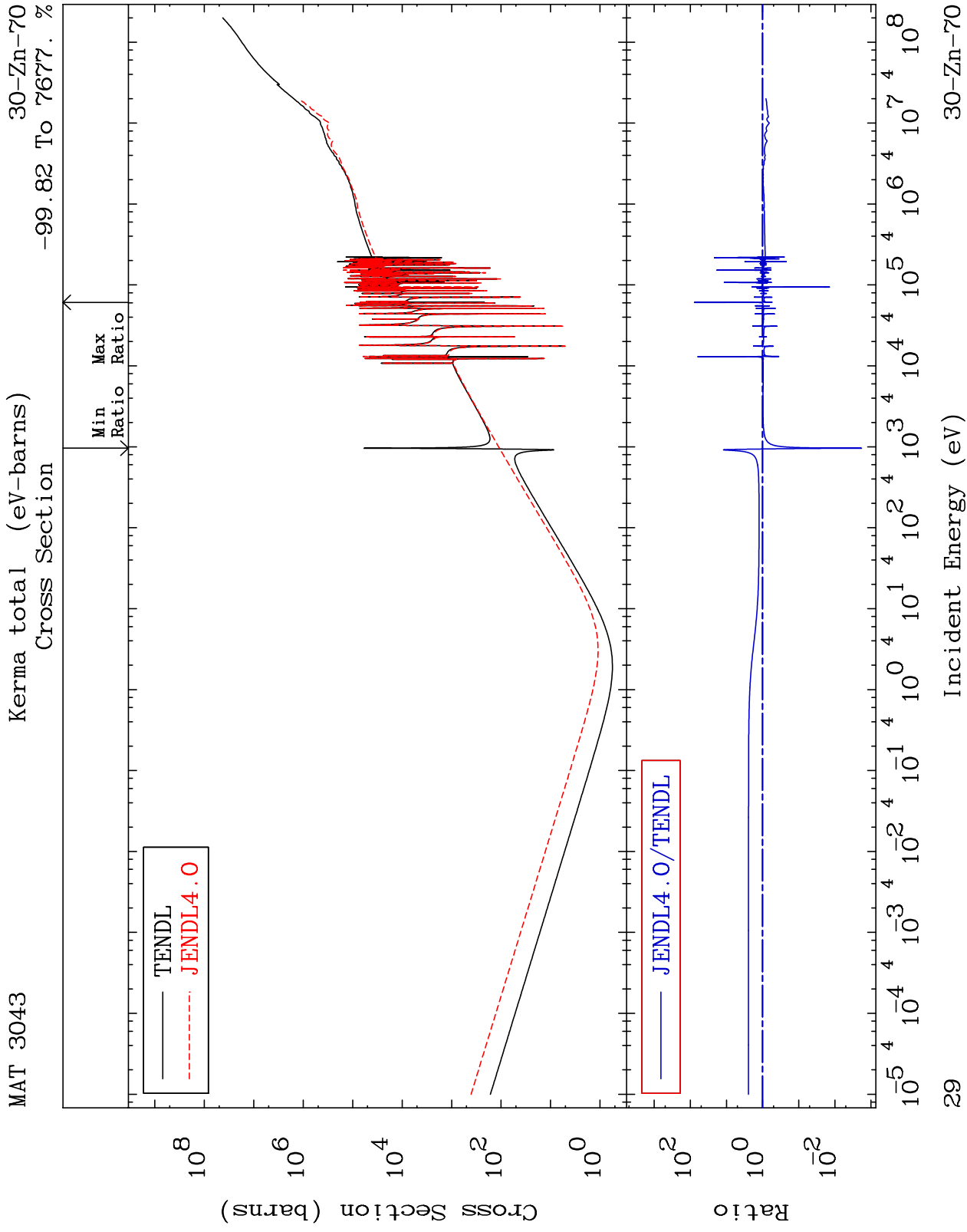


MAT 3043

He-4 Production
Cross Section

30-Zn-70
-20.55 To 9999. %

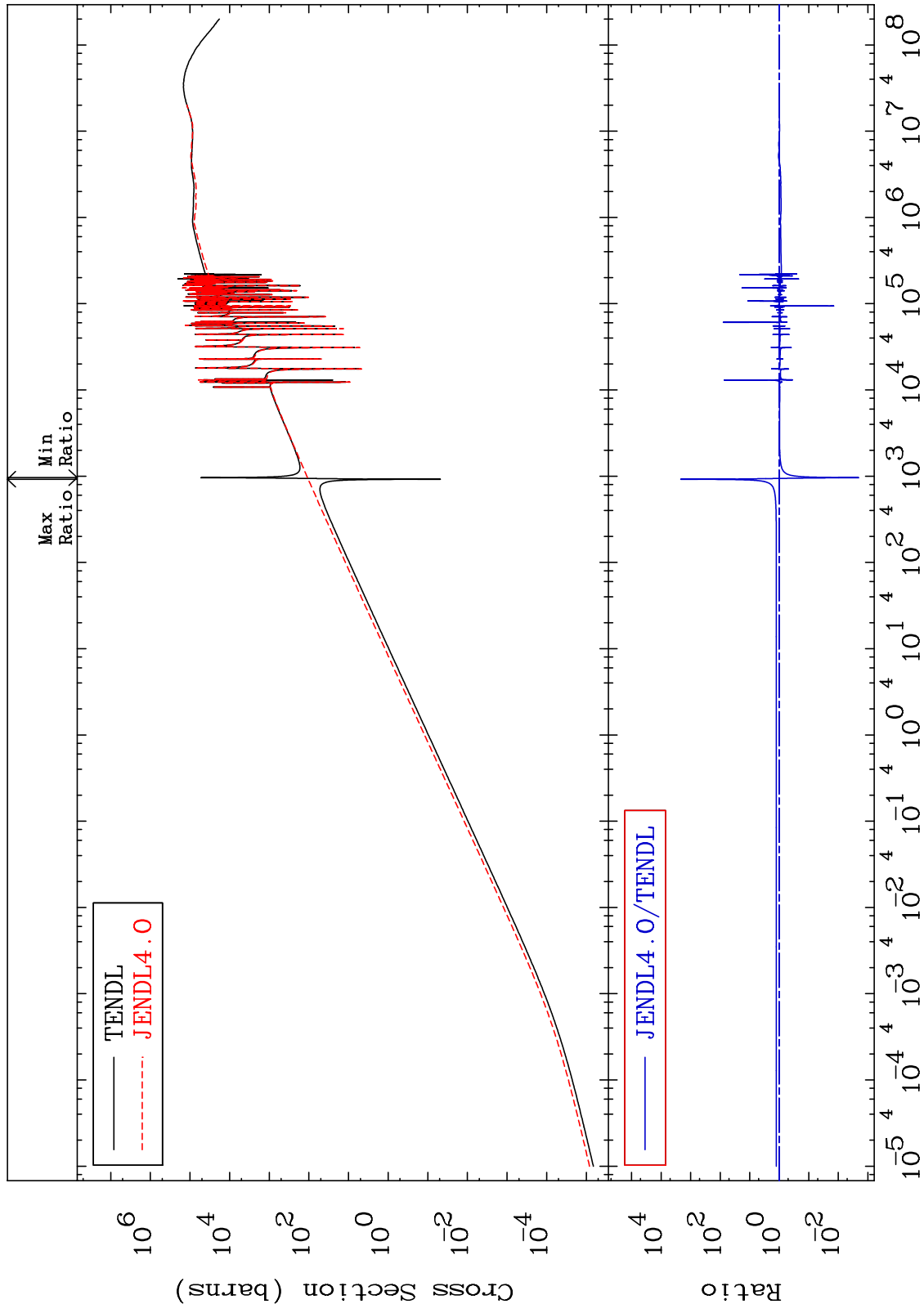




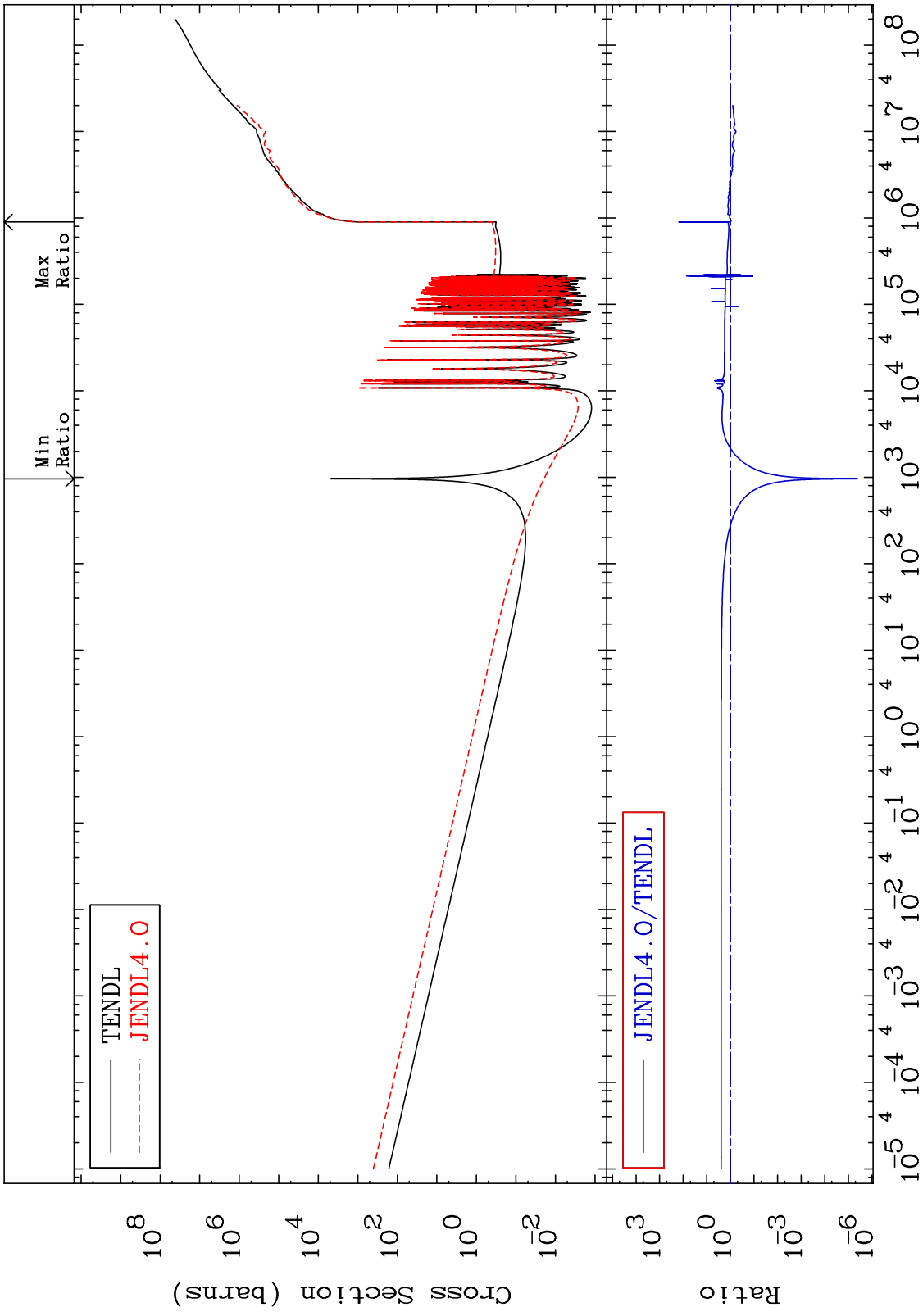
MAT 3043

Kerma elastic
Cross Section

30-Zn-70
-99.80 To 9999. %



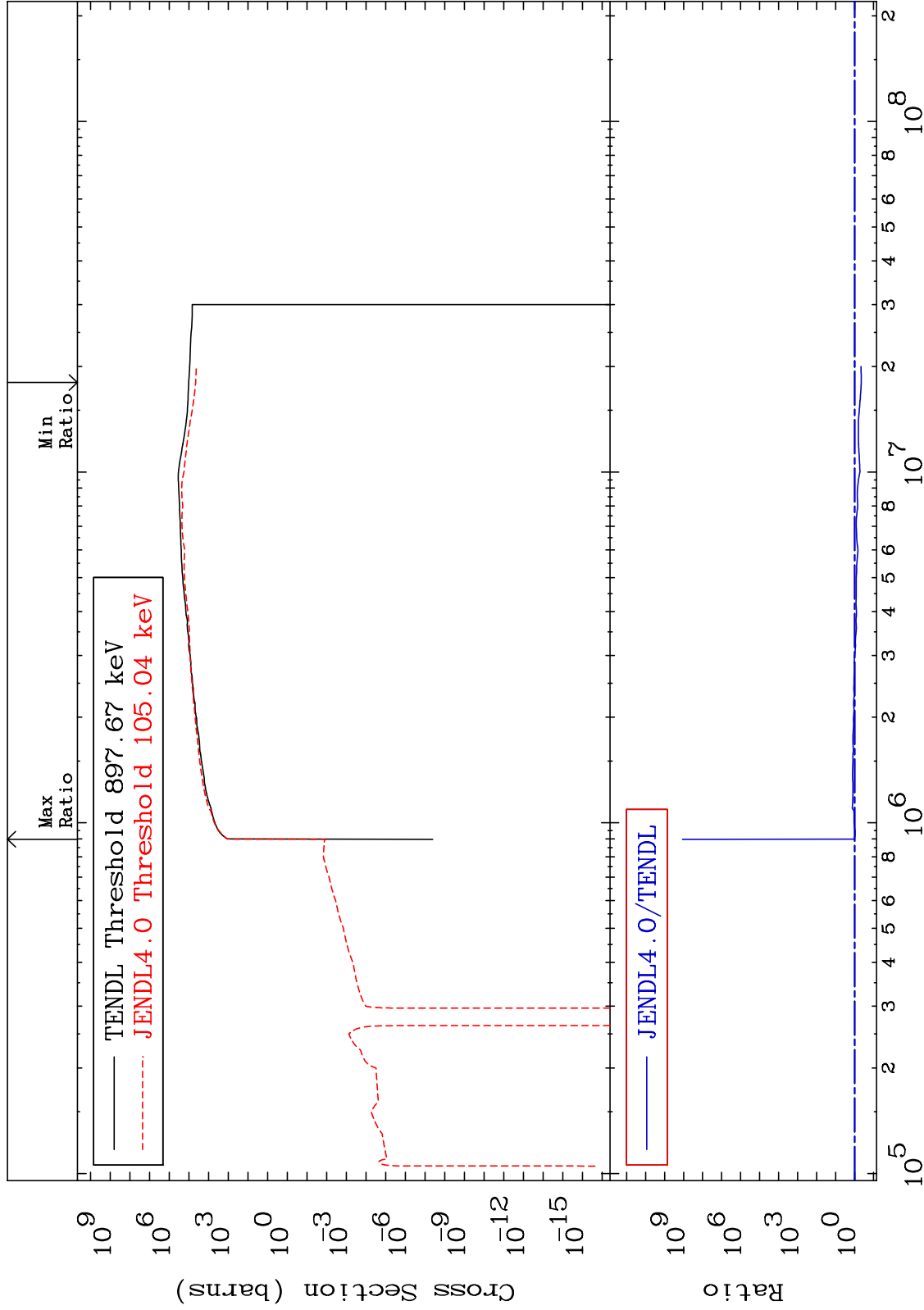
MAT 3043 Kerma non-elastic (all but mt2) 30-Zn-70
 Cross Section -100.0 To 9999. %



MAT 3043

Kerma inelastic (mt51-91)
Cross Section

30-Zn-70
-55.61 To 9999. %



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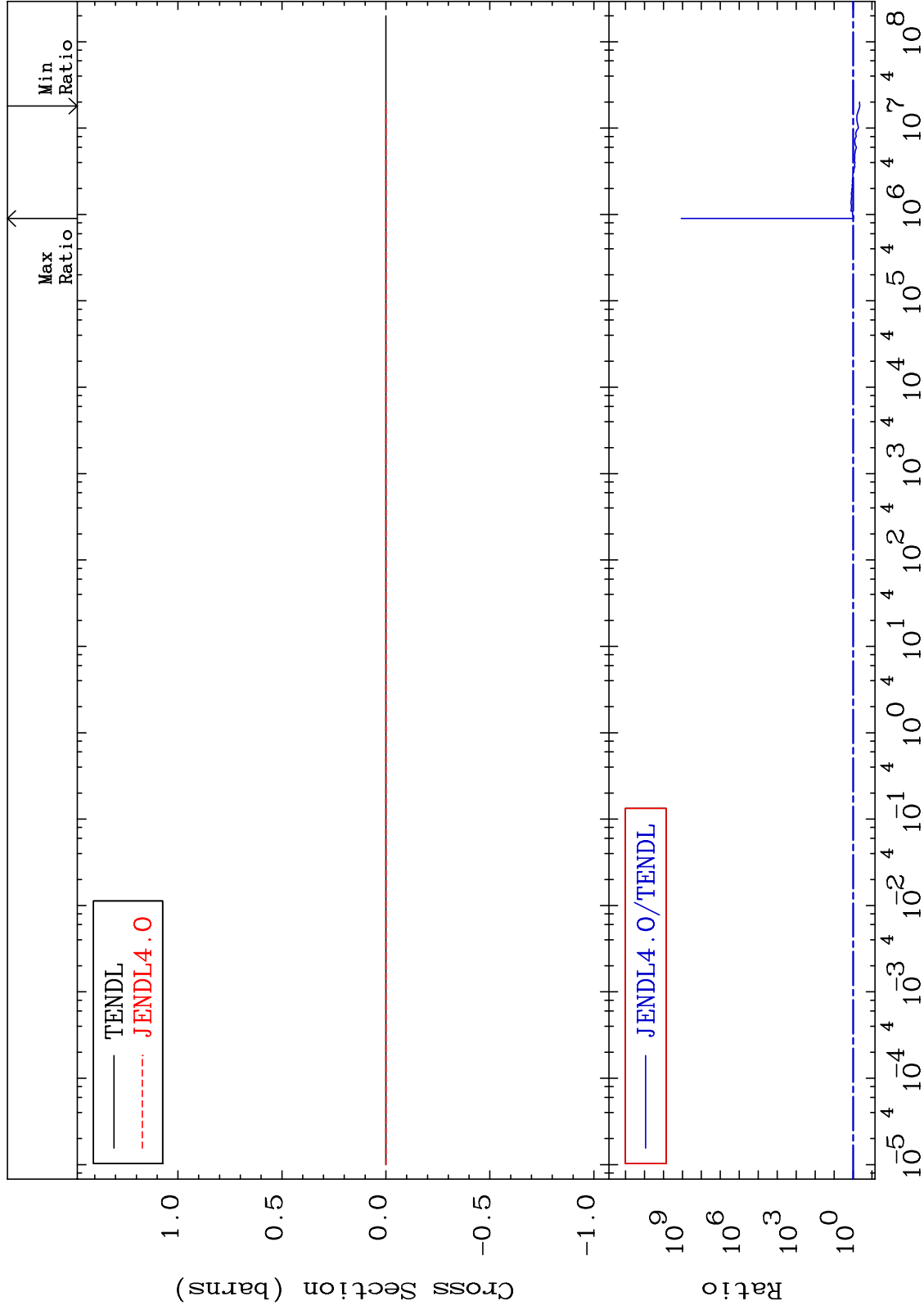
Incident Energy (eV)

30-Zn-70

MAT 3043

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

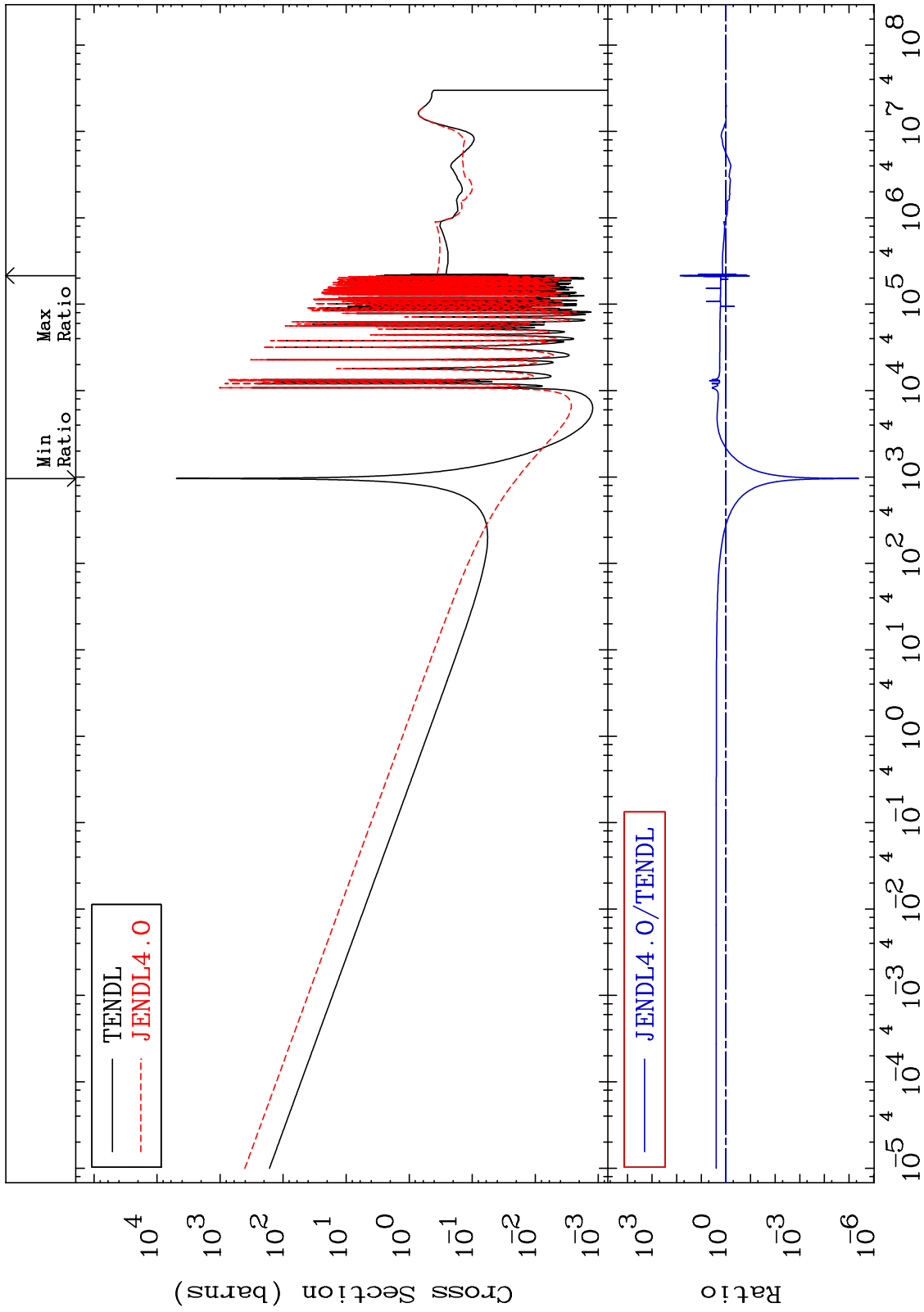
30-Zn-70
-55.61 To 9999. %



MAT 3043

Kerma capture (mt102)
Cross Section

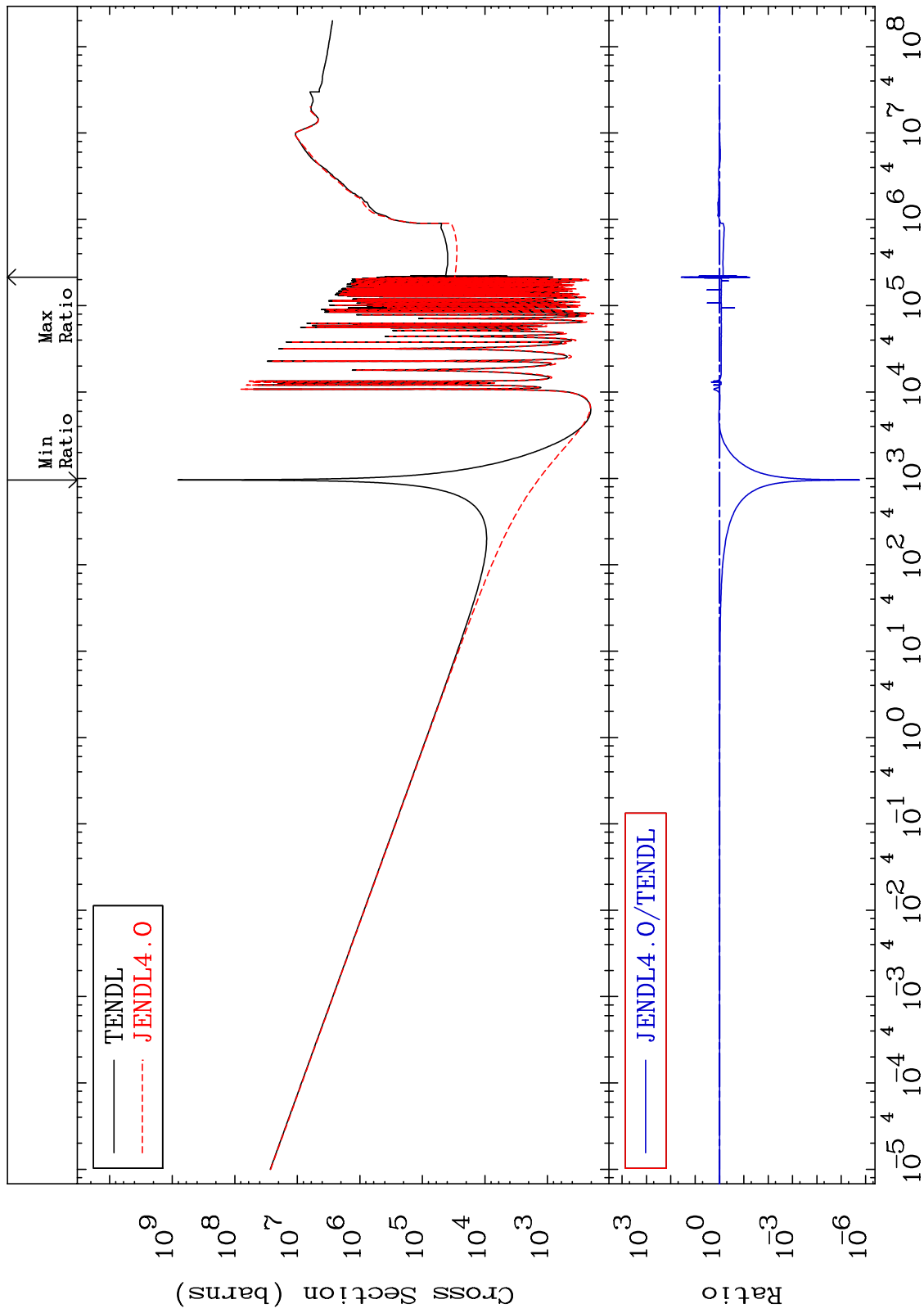
30-Zn-70
-100.0 To 7070. %



MAT 3043

Total photon (eV-barns)
Cross Section

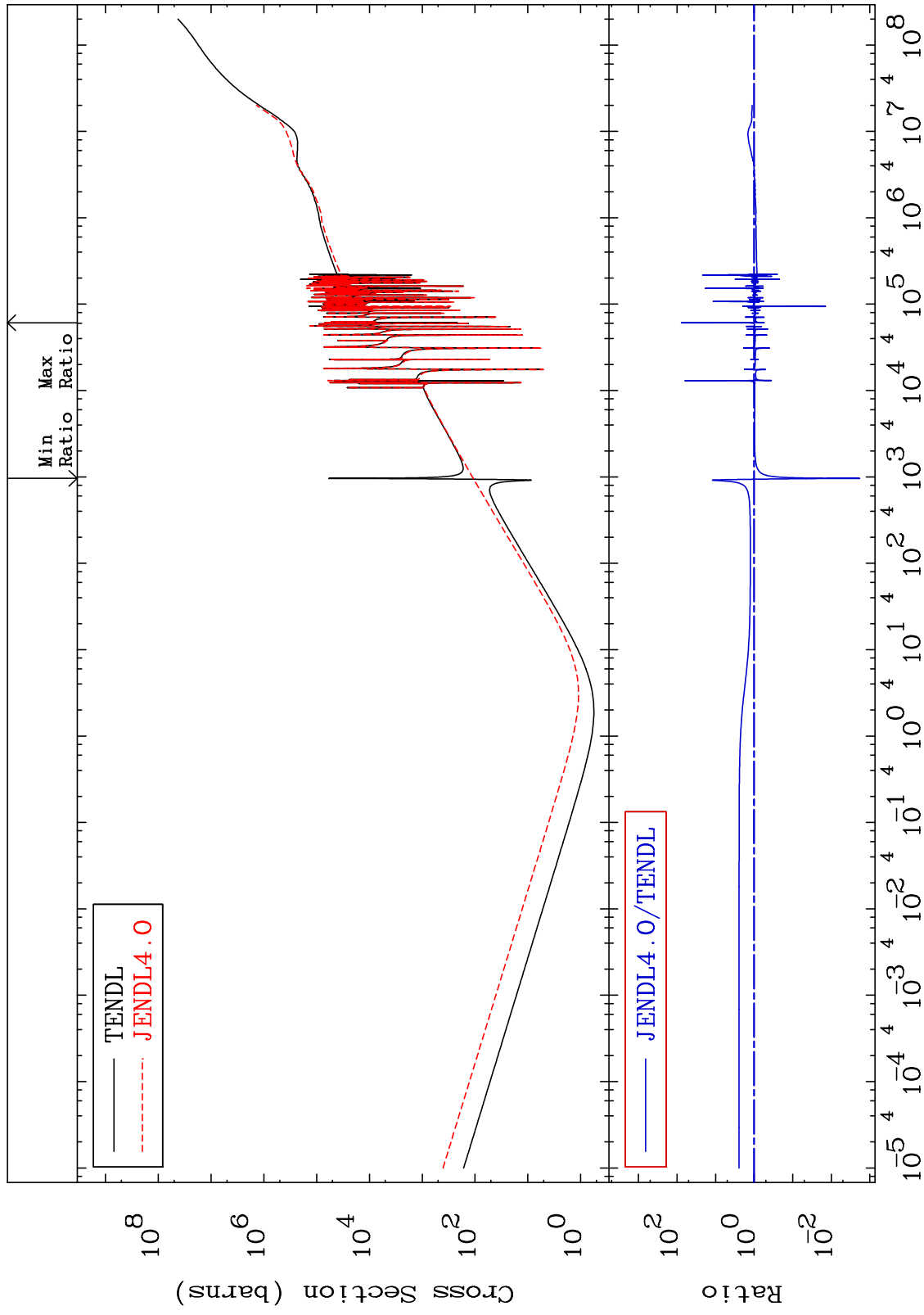
30-Zn-70
-100.0 To 3625. %



MAT 3043

Total kinematic kerma (high limit)
Cross Section

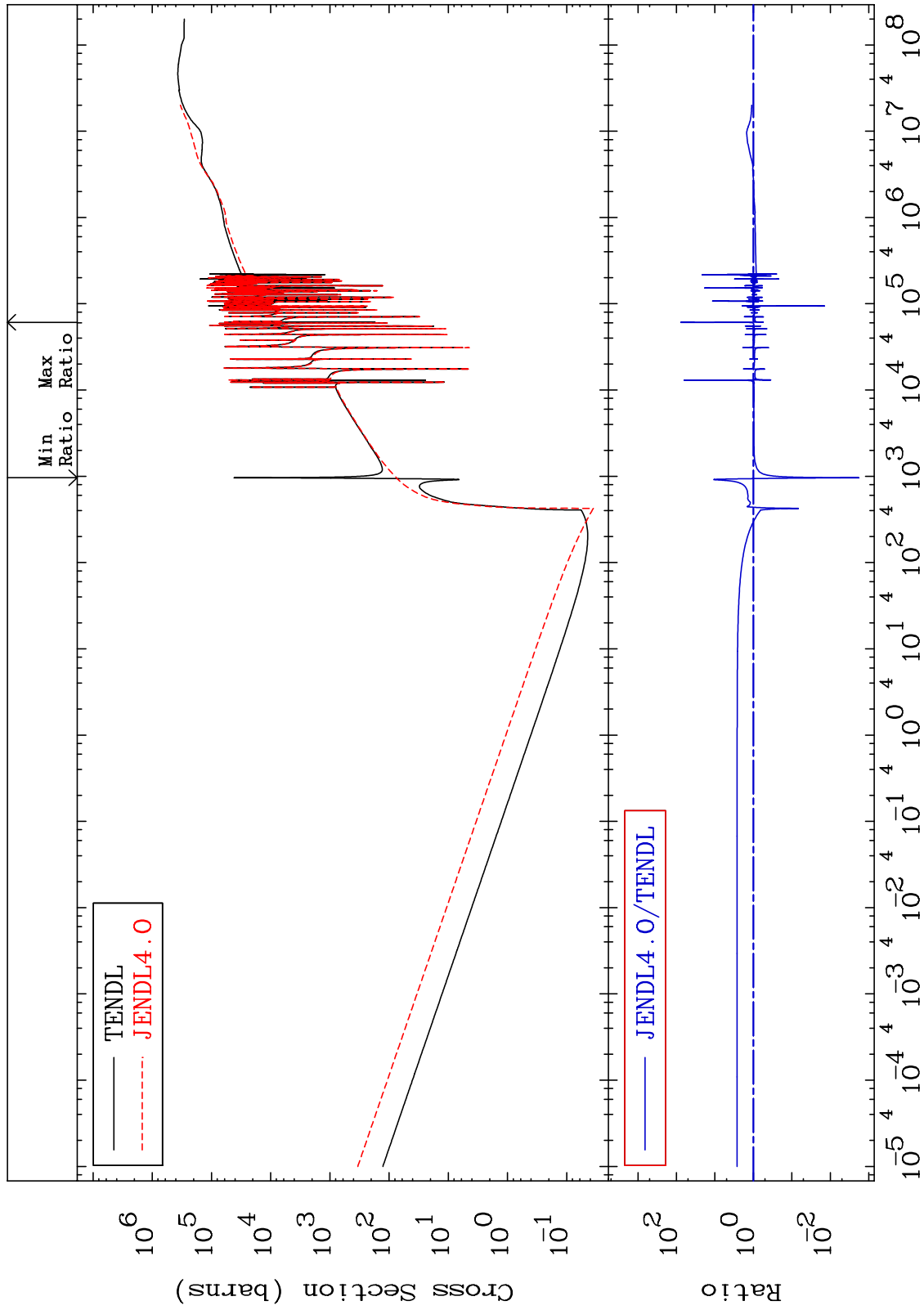
30-Zn-70
-99.82 To 7677. %

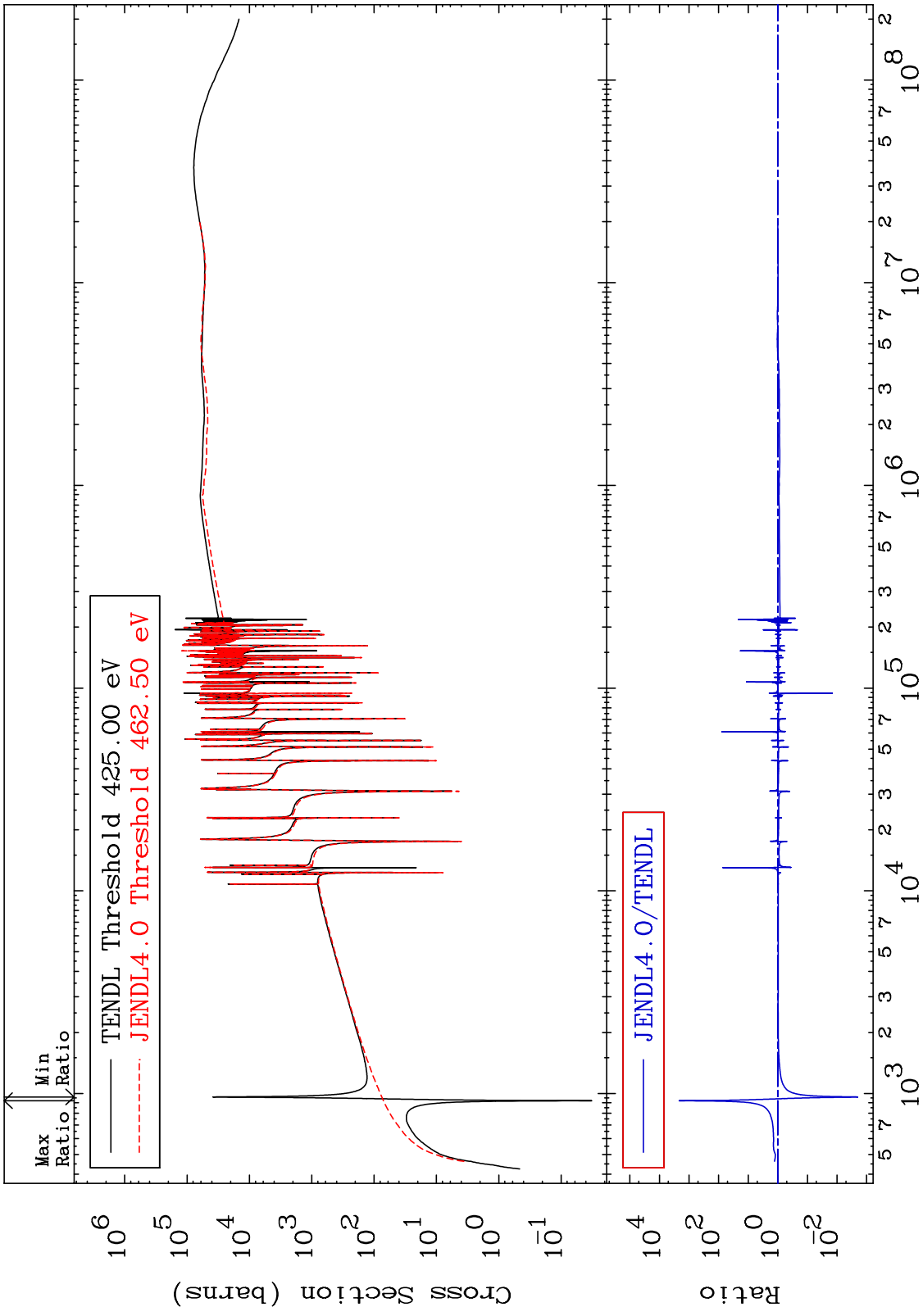


MAT 3043

Dpa total (eV-barns)
Cross Section

30-Zn-70
-99.82 To 7677. %

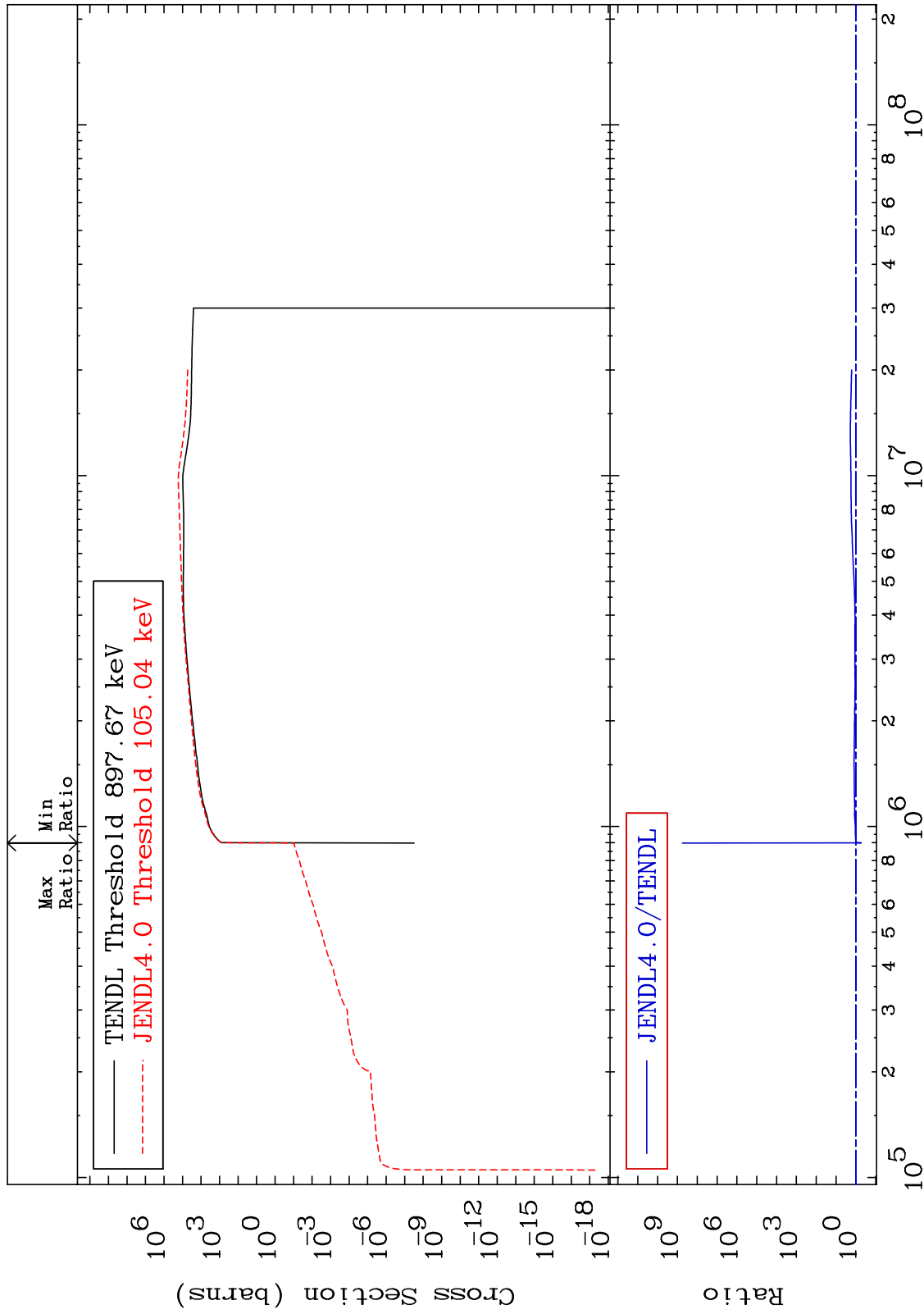




MAT 3043

Dpa inelastic (mt51-91)
Cross Section

30-Zn-70
-46.75 To 9999. %



39

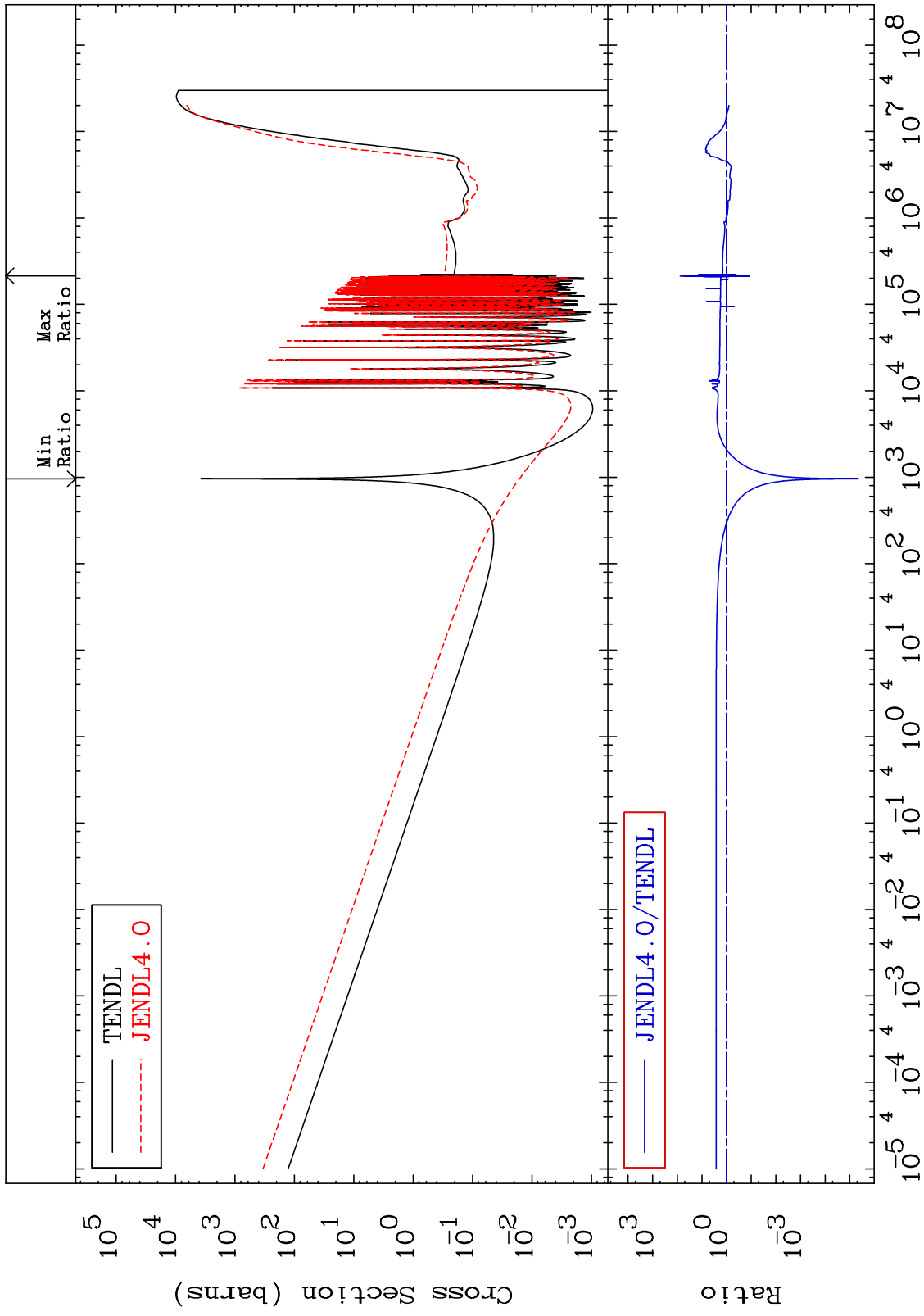
Incident Energy (eV)

30-Zn-70

MAT 3043

Dpa disappearance (mt102 -120)
Cross Section

30-Zn-70
-100.0 To 7489. %

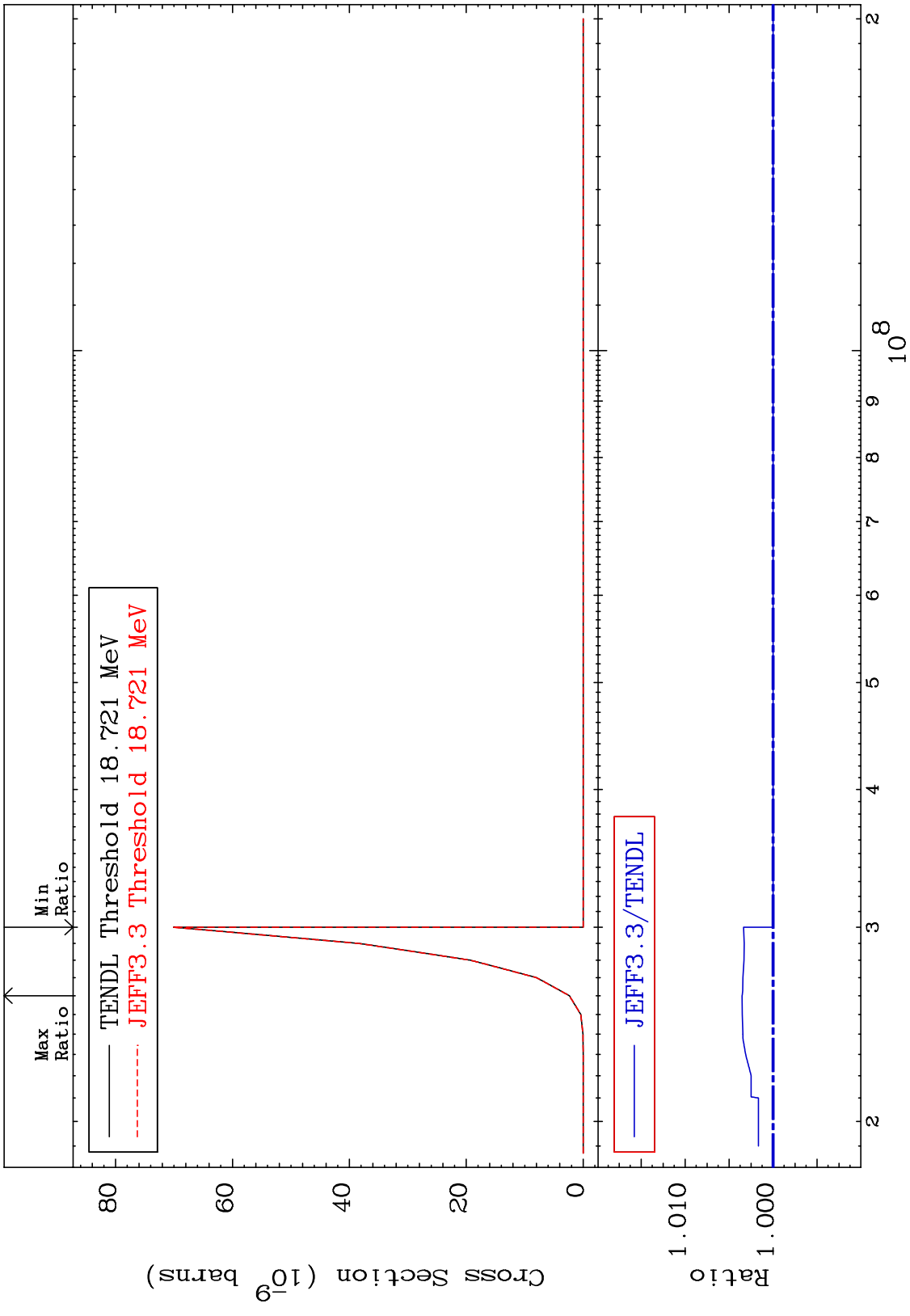


40

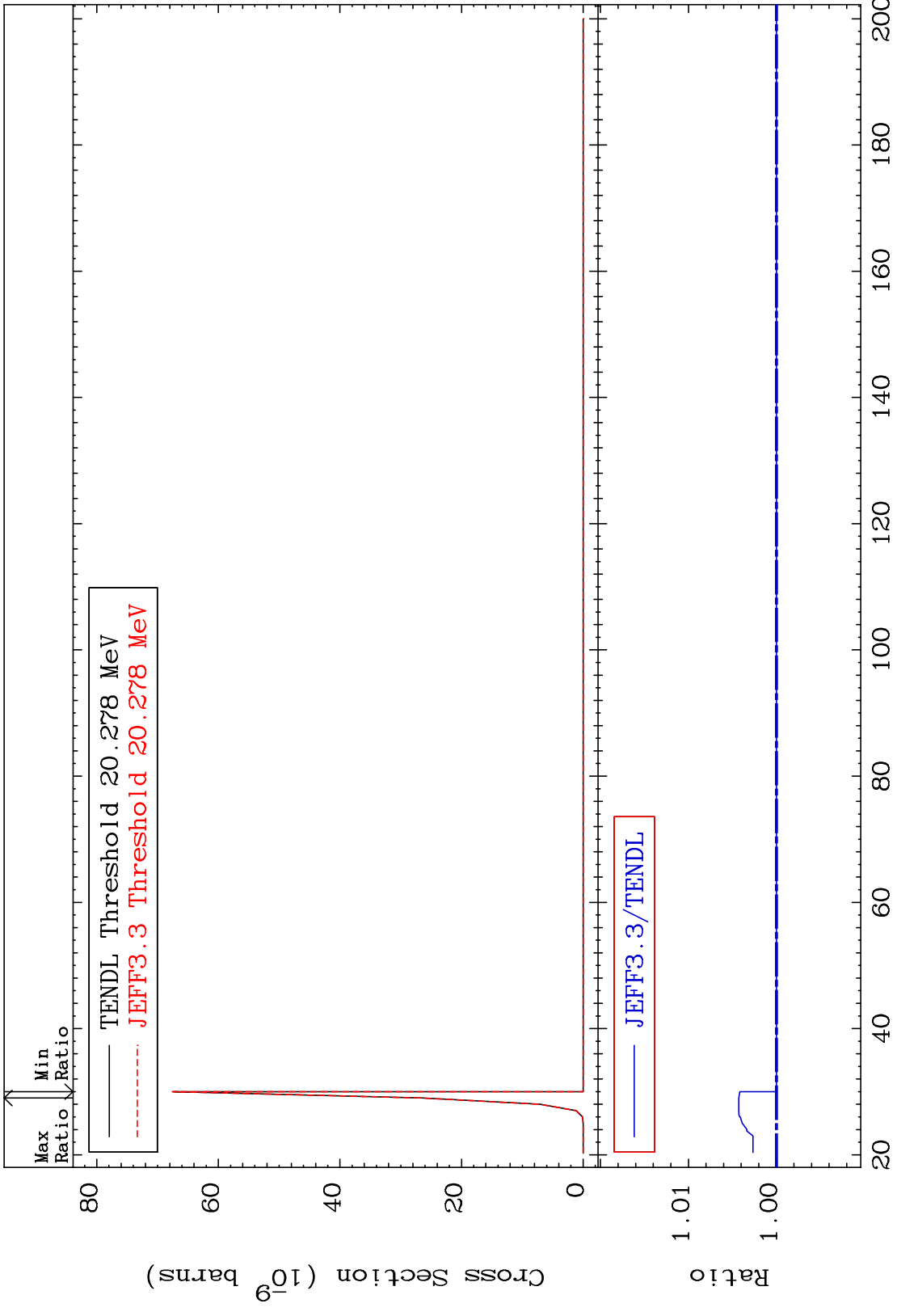
Incident Energy (eV)

30-Zn-70

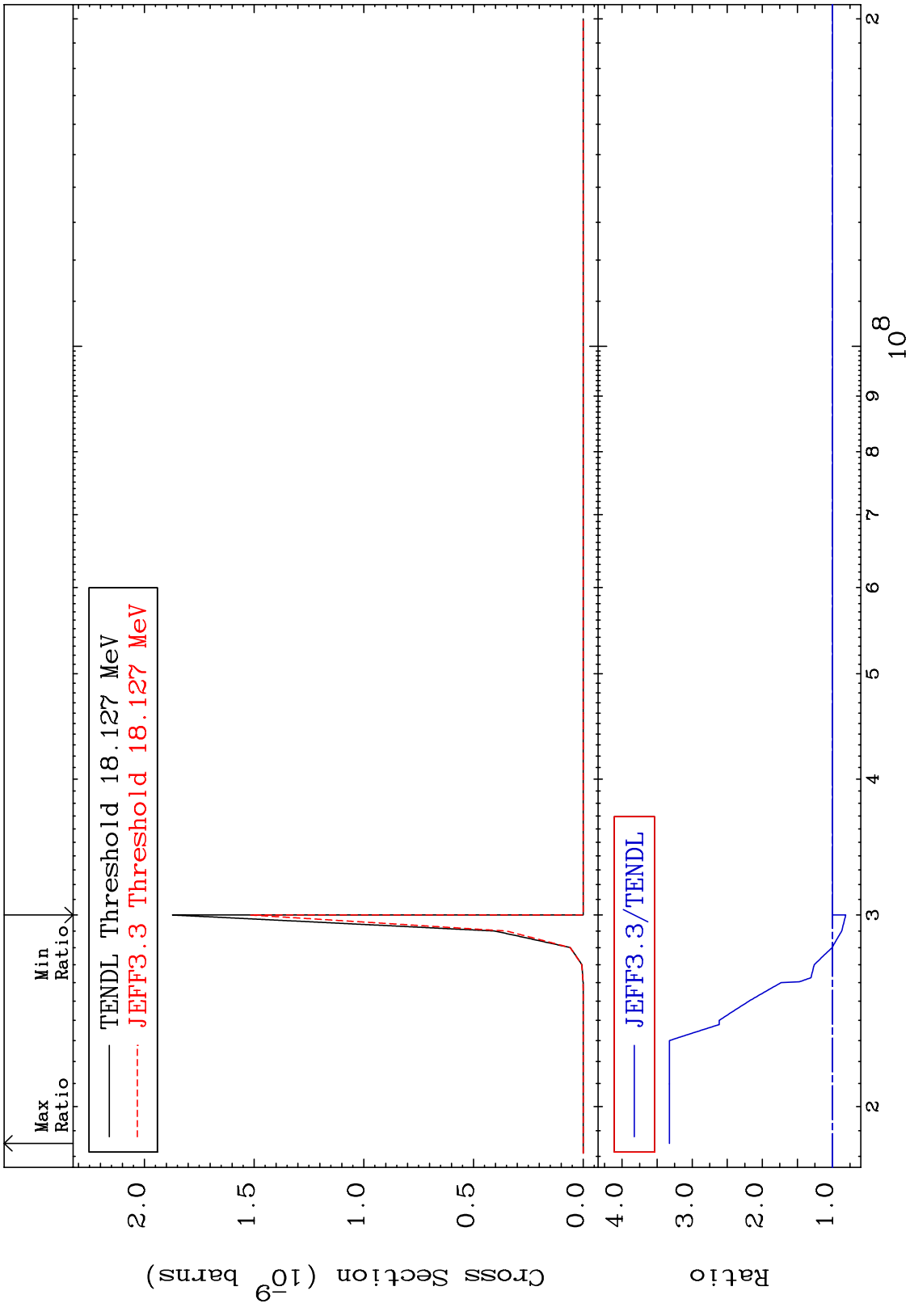
MAT 3043 (n,p) d 30-Zn-70
 Cross Section 0.000 To 0.352 %

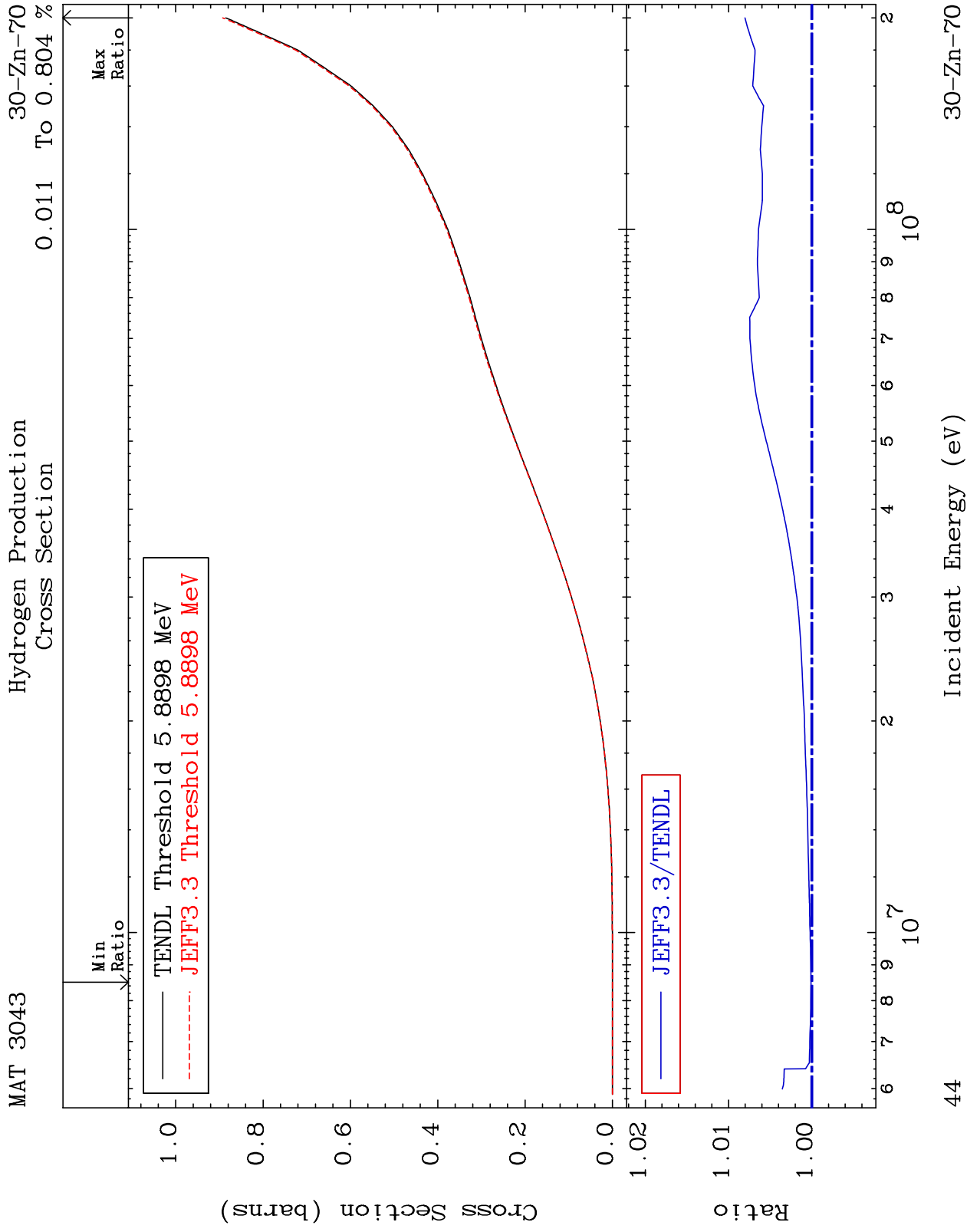


MAT 3043 (n,p) t 30-Zn-70
Cross Section 0.000 To 0.428 %



MAT 3043 (n,d) α 30-Zn-70
 Cross Section -18.96 To 232.4 %

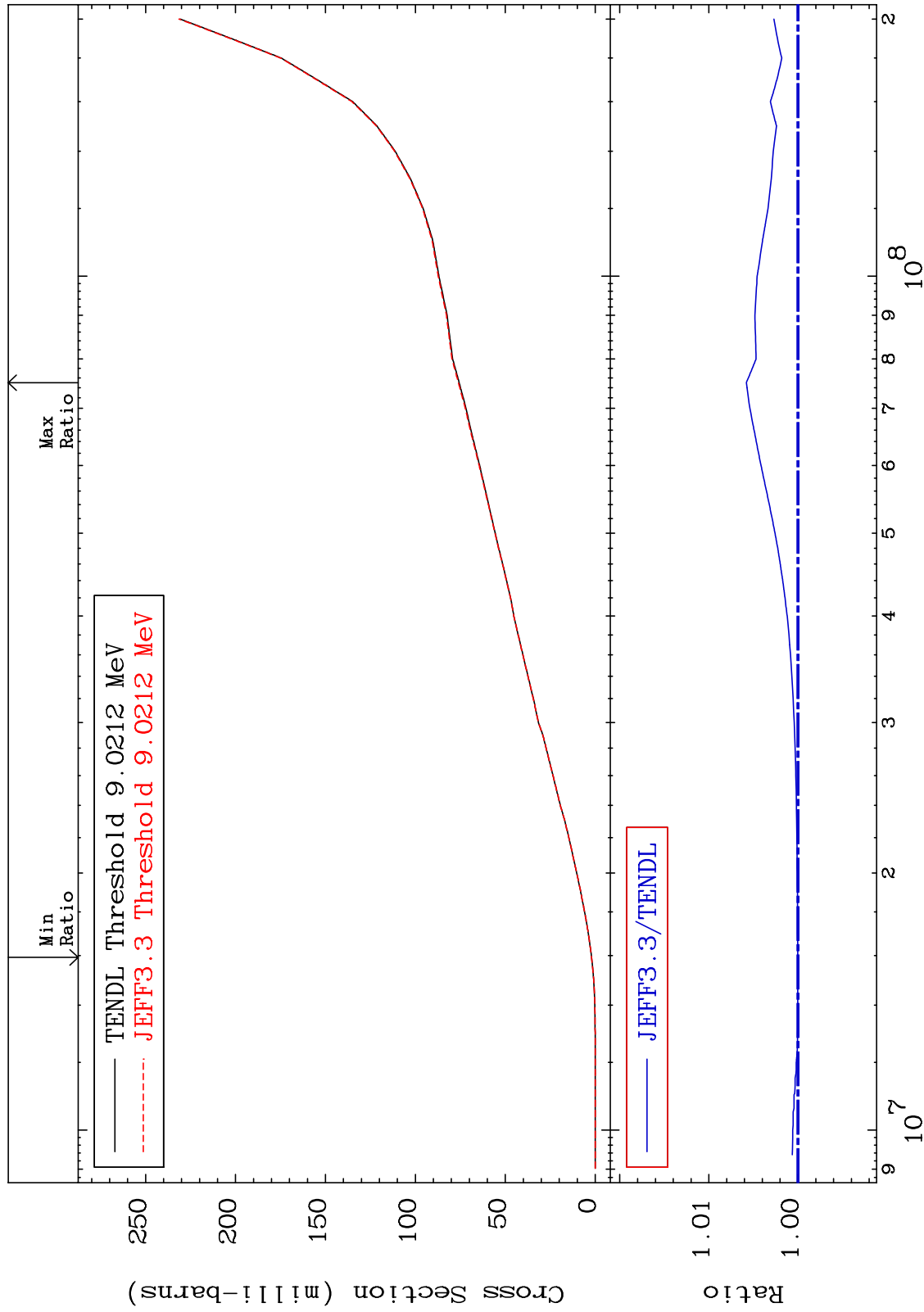




MAT 3043

Deuterium Production
Cross Section

30-Zn-70
To 0.580 %



45

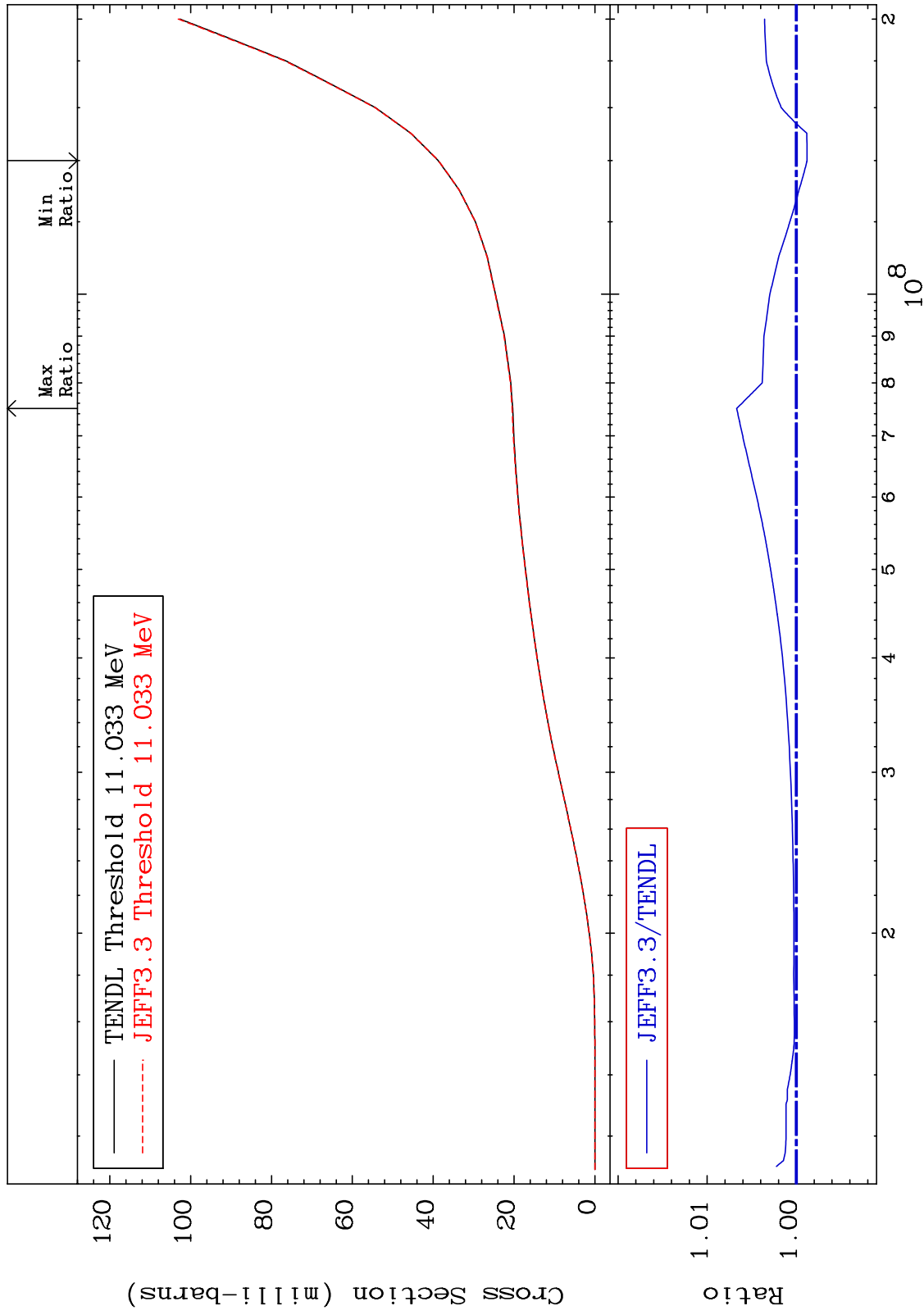
Incident Energy (eV)

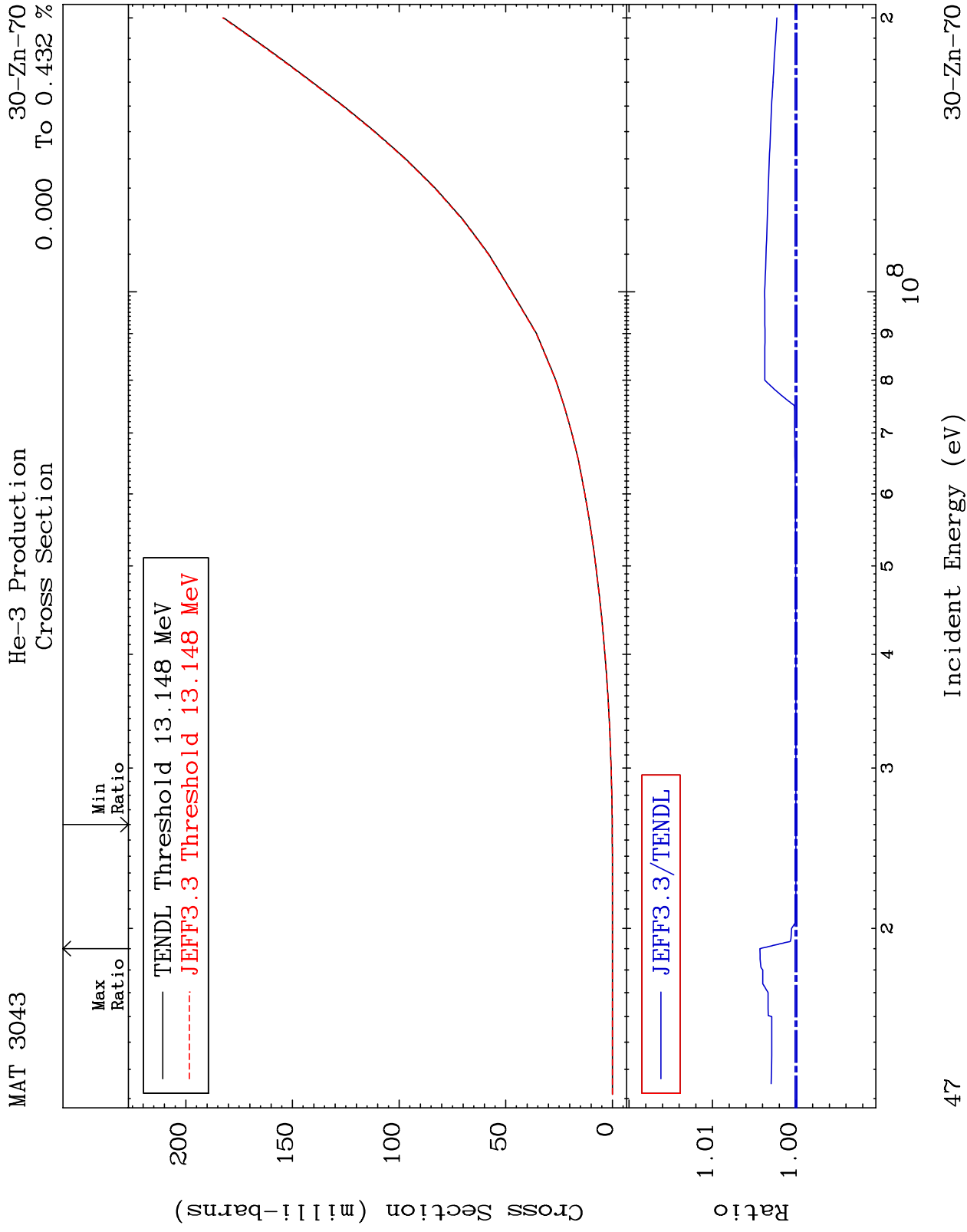
30-Zn-70

MAT 3043

Tritium Production
Cross Section

30-Zn-70
-0.120 To 0.669 %

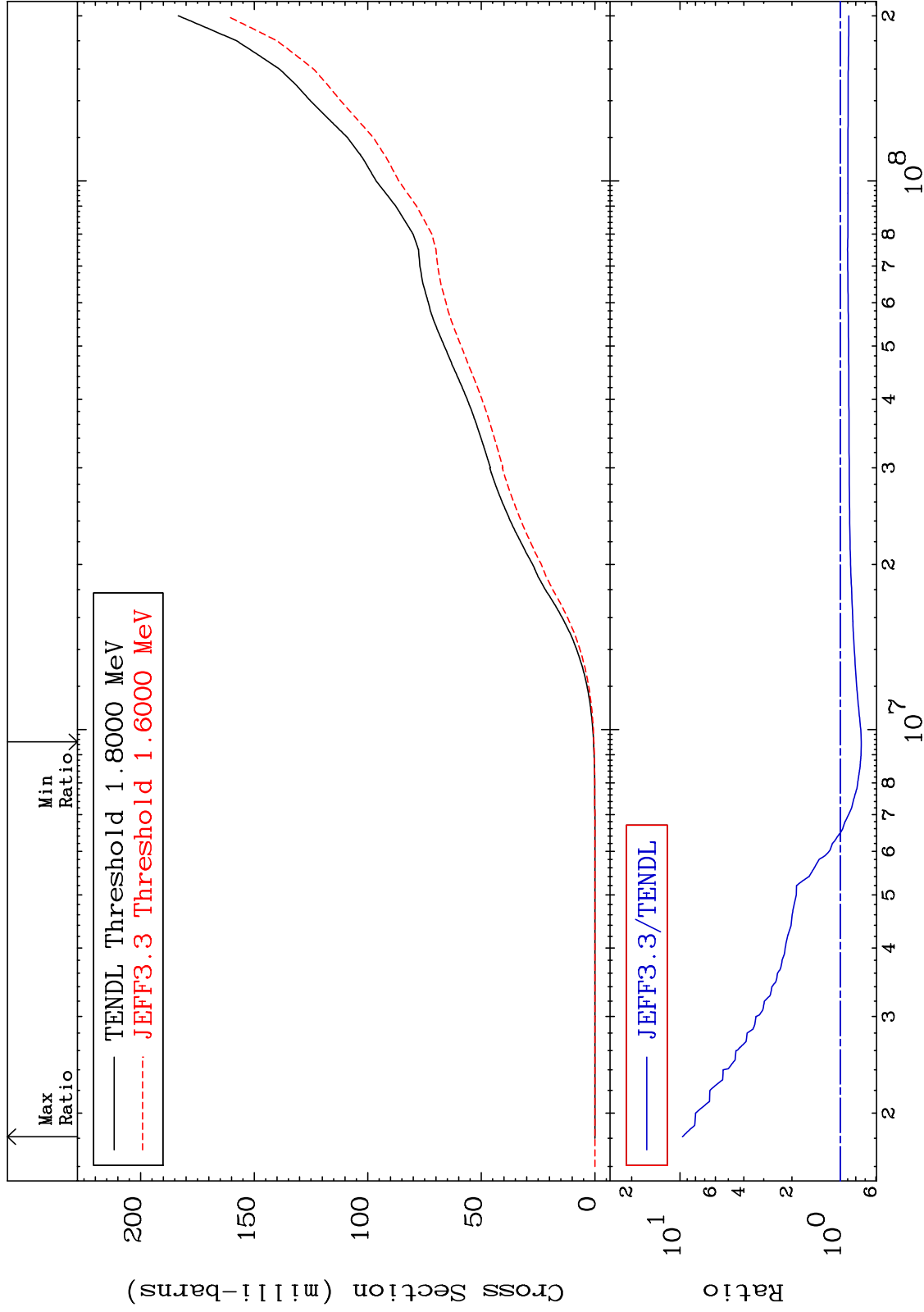




MAT 3043

He-4 Production
Cross Section

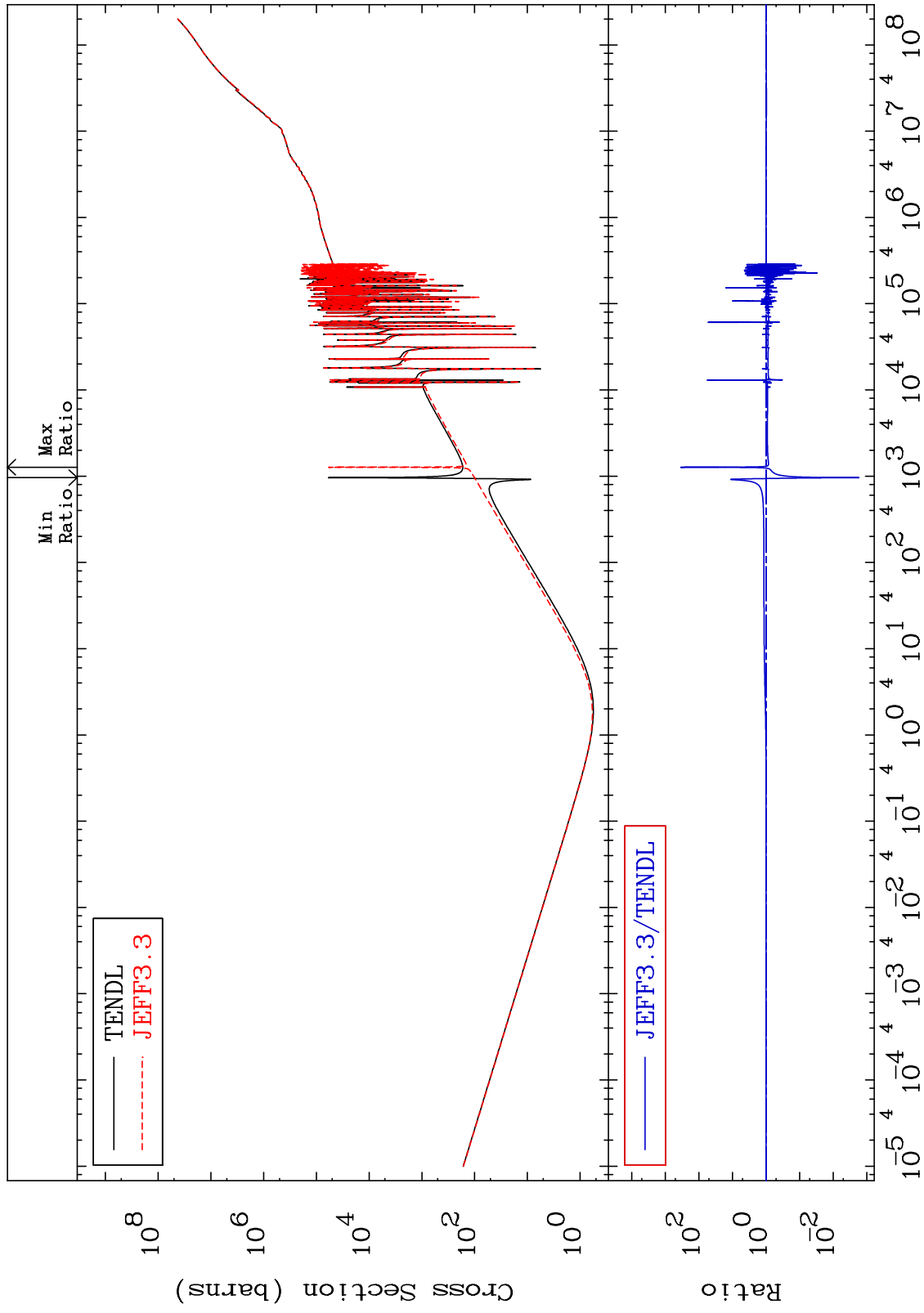
30-Zn-70
-26.04 To 864.4 %



MAT 3043

Kerma total (eV-barns)
Cross Section

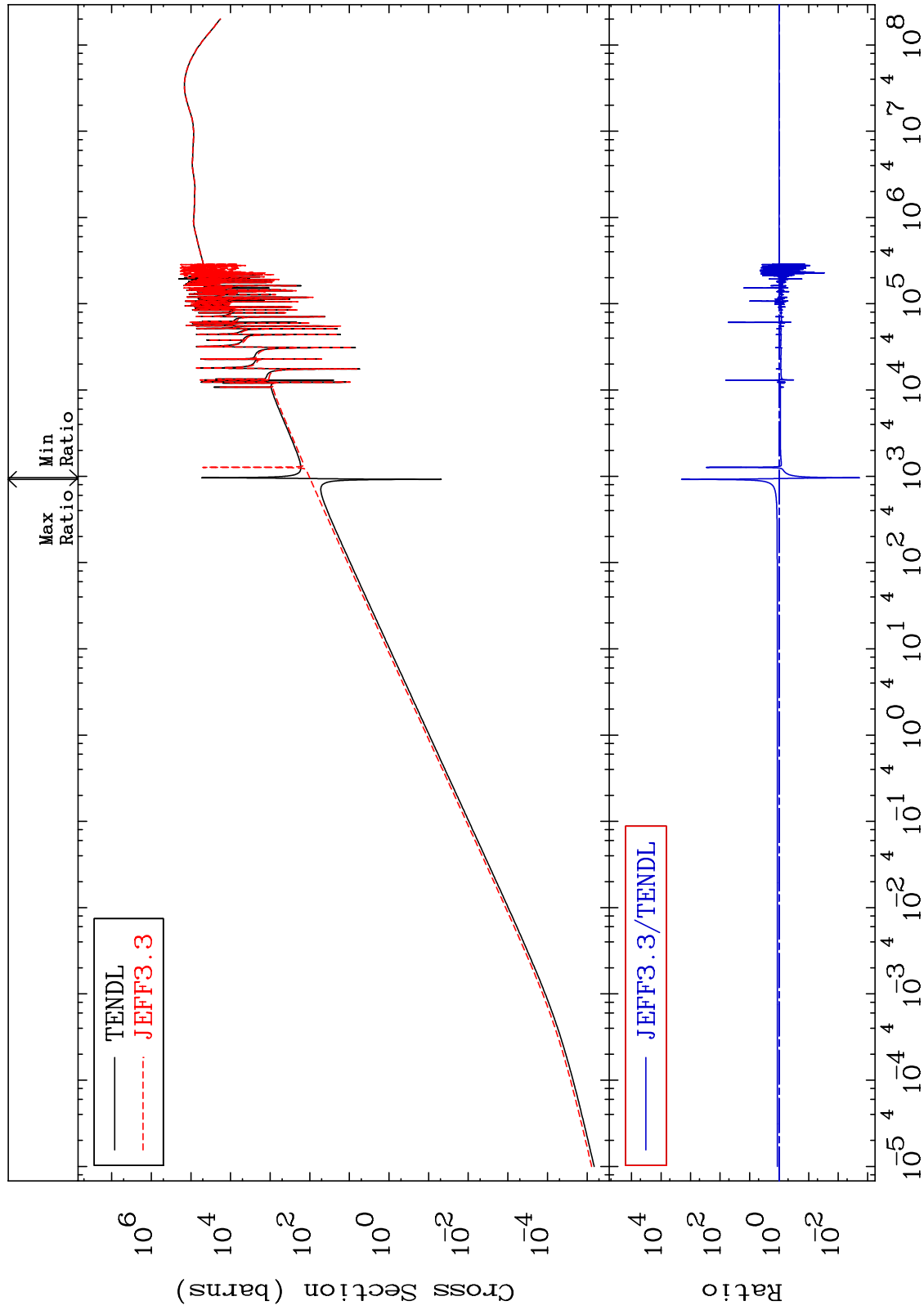
30-Zn-70
-99.83 To 9999. %



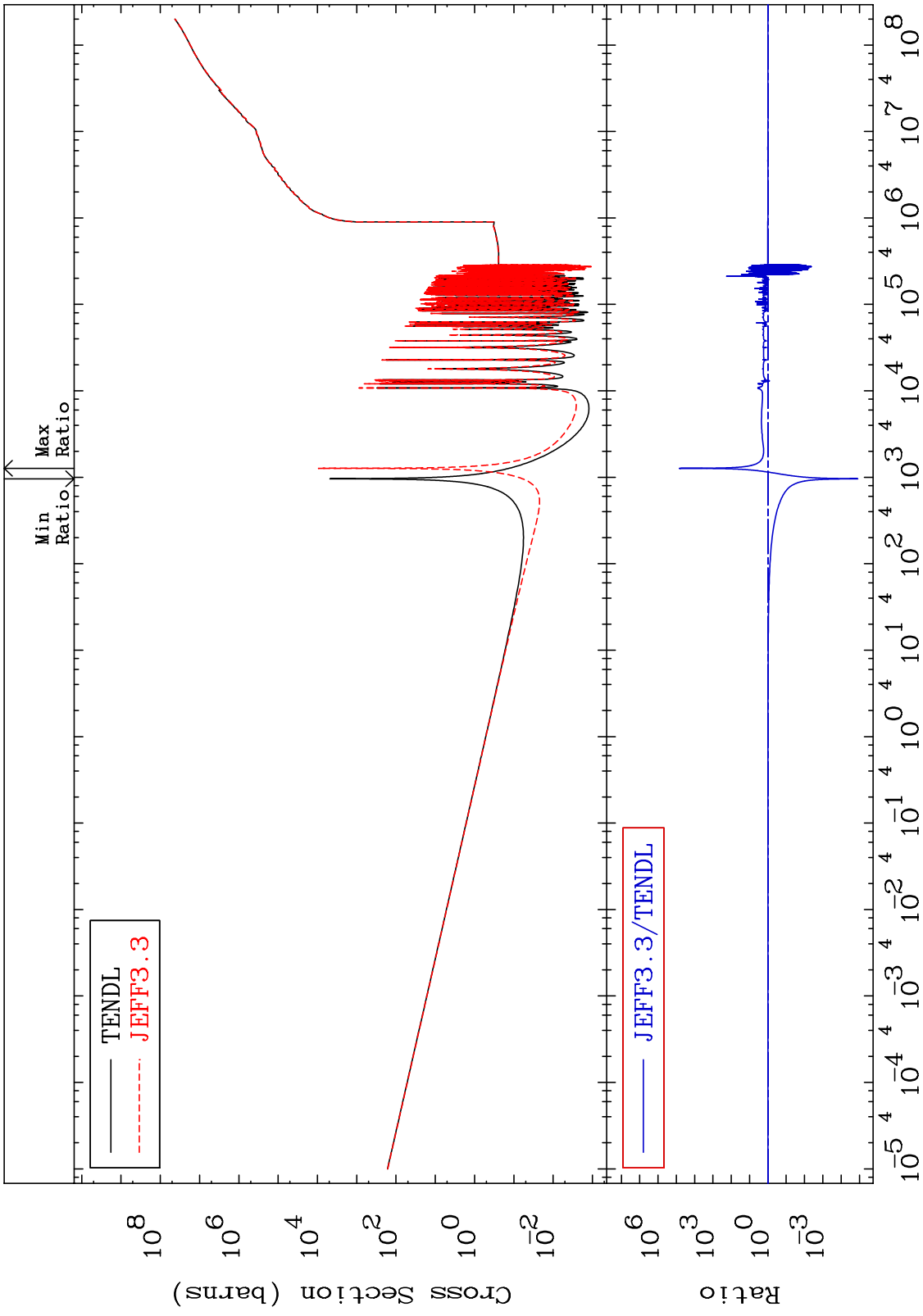
MAT 3043

Kerma elastic
Cross Section

30-Zn-70
-99.81 To 9999. %



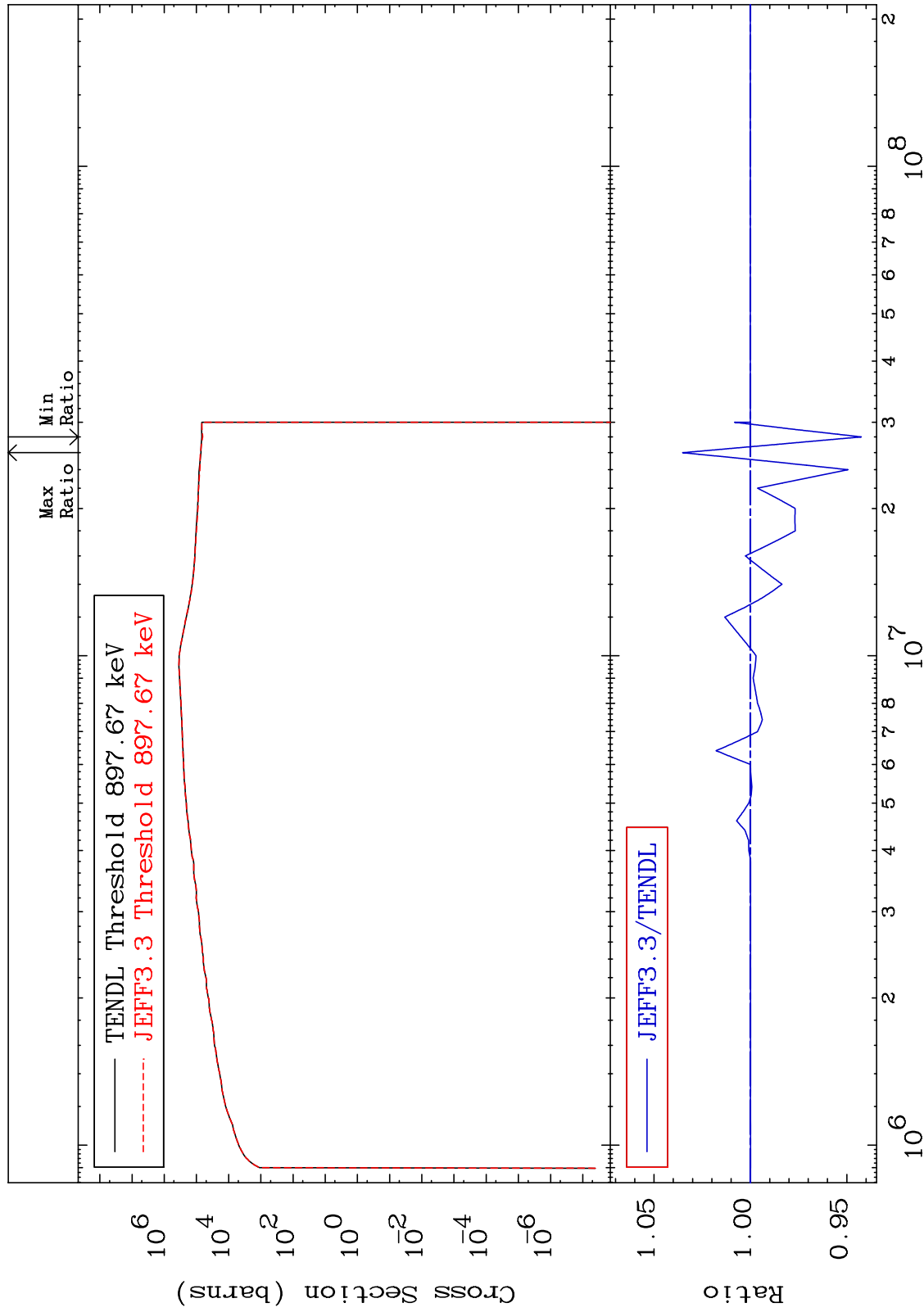
MAT 3043 Kerma non-elastic (all but mt2) 30-Zn-70
 -100.0 To 9999. %
 Cross Section



MAT 3043

Kerma inelastic (mt51-91)
Cross Section

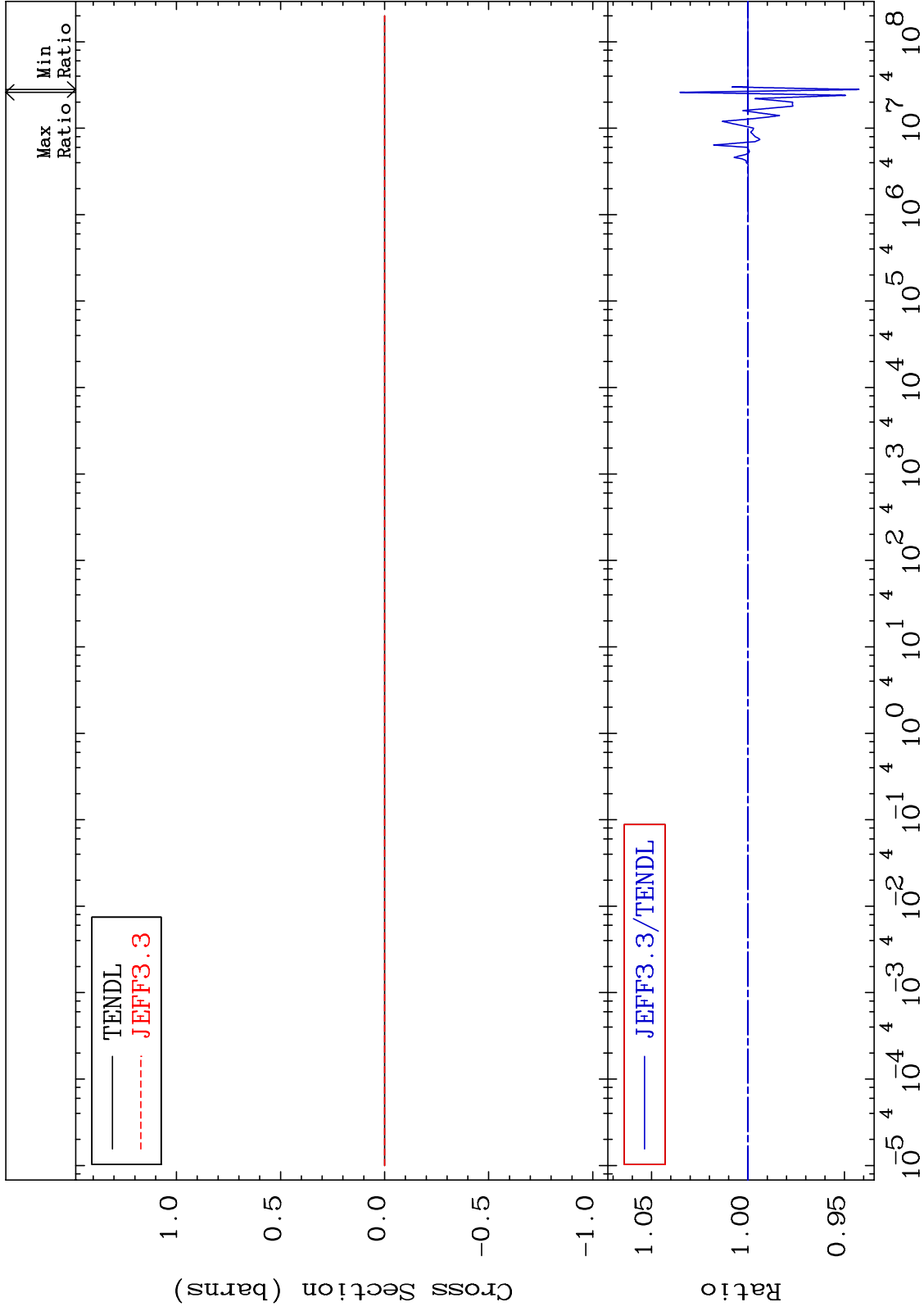
30-Zn-70
-5.756 To 3.513 %



MAT 3043

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

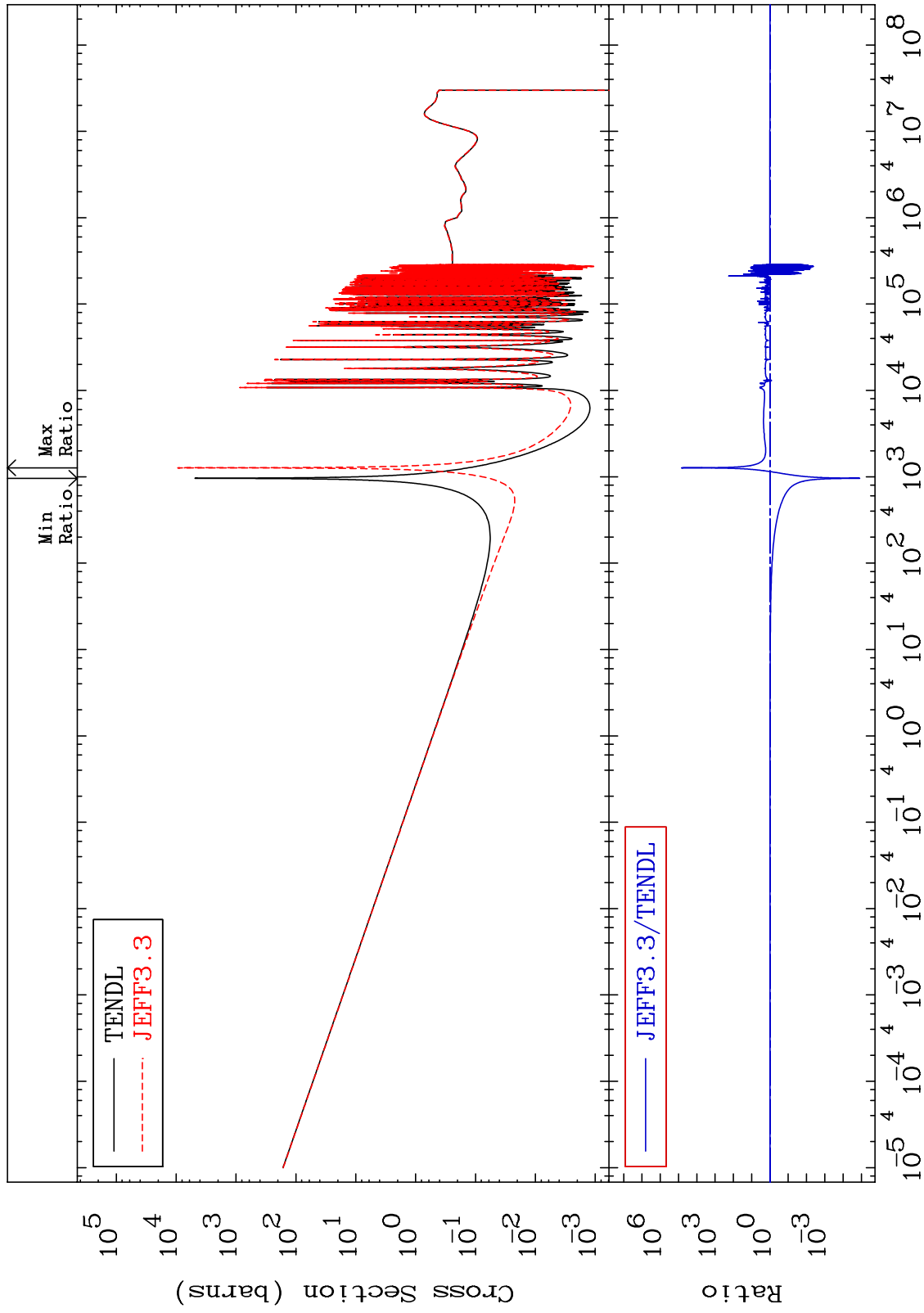
30-Zn-70
-5.756 To 3.513 %



MAT 3043

Kerma capture (mt102)
Cross Section

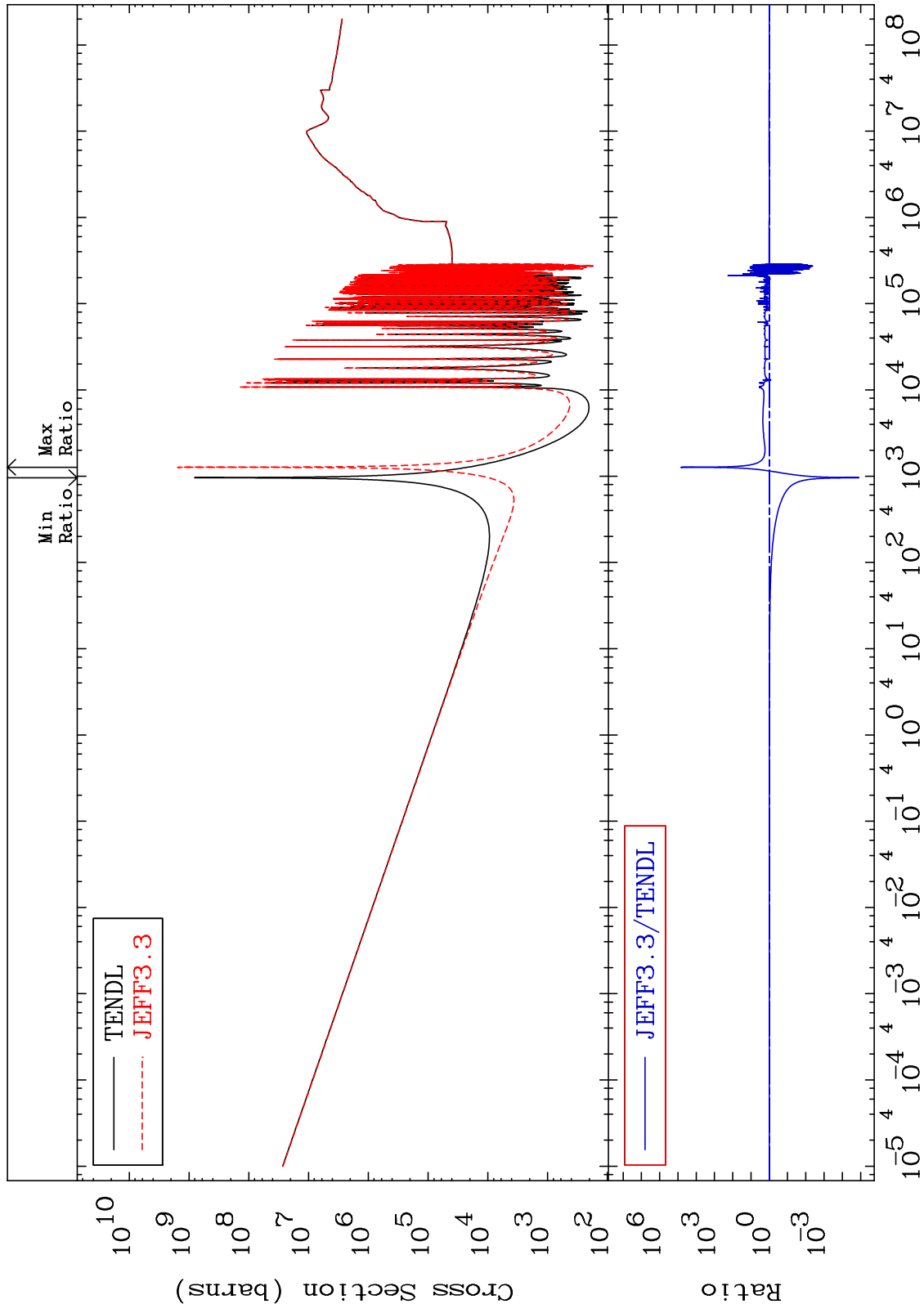
30-Zn-70
-100.0 To 9999. %



MAT 3043

Total photon (eV-barns)
Cross Section

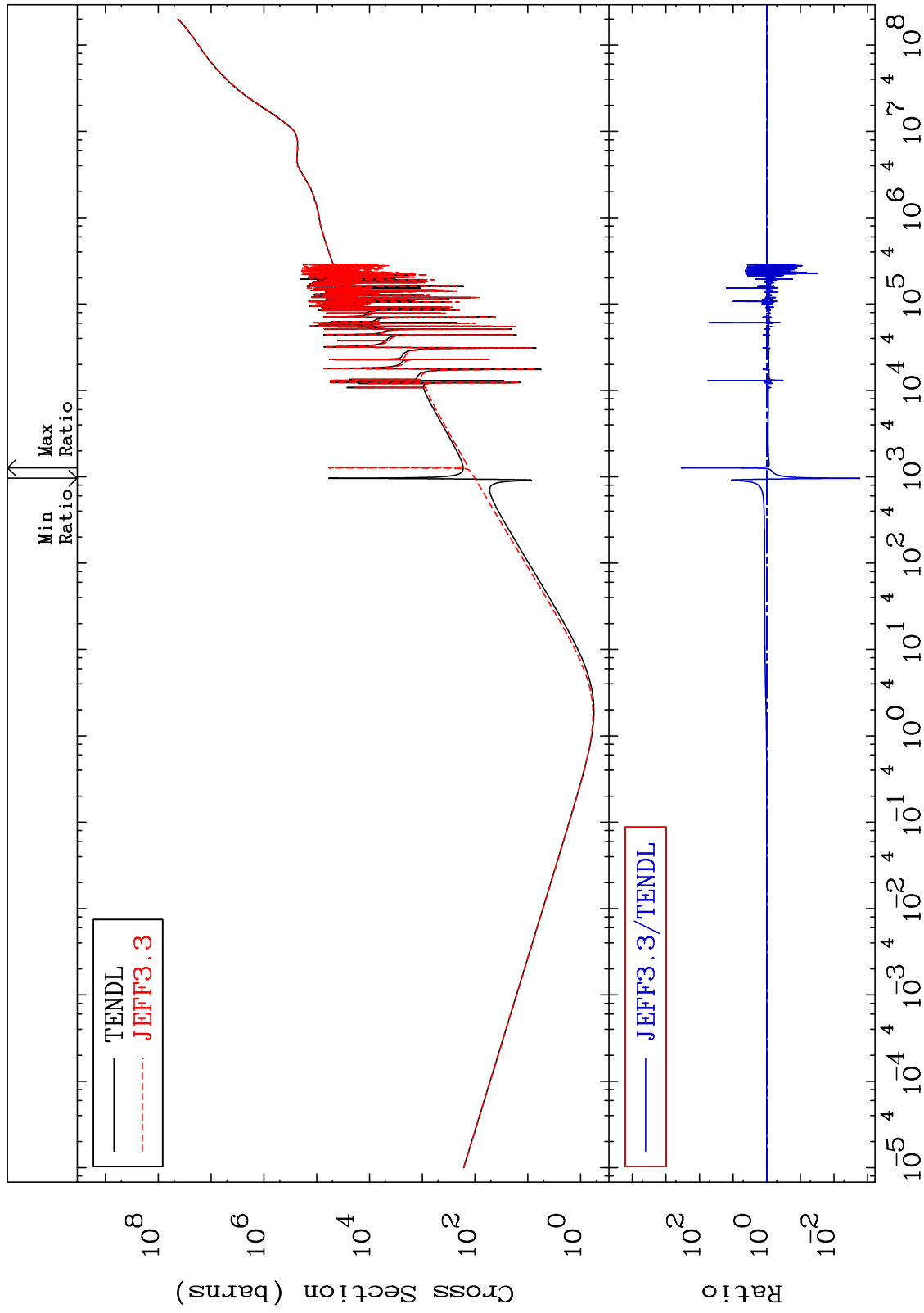
30-Zn-70
-100.0 To 9999. %



MAT 3043

Total kinematic kerma (high limit)
Cross Section

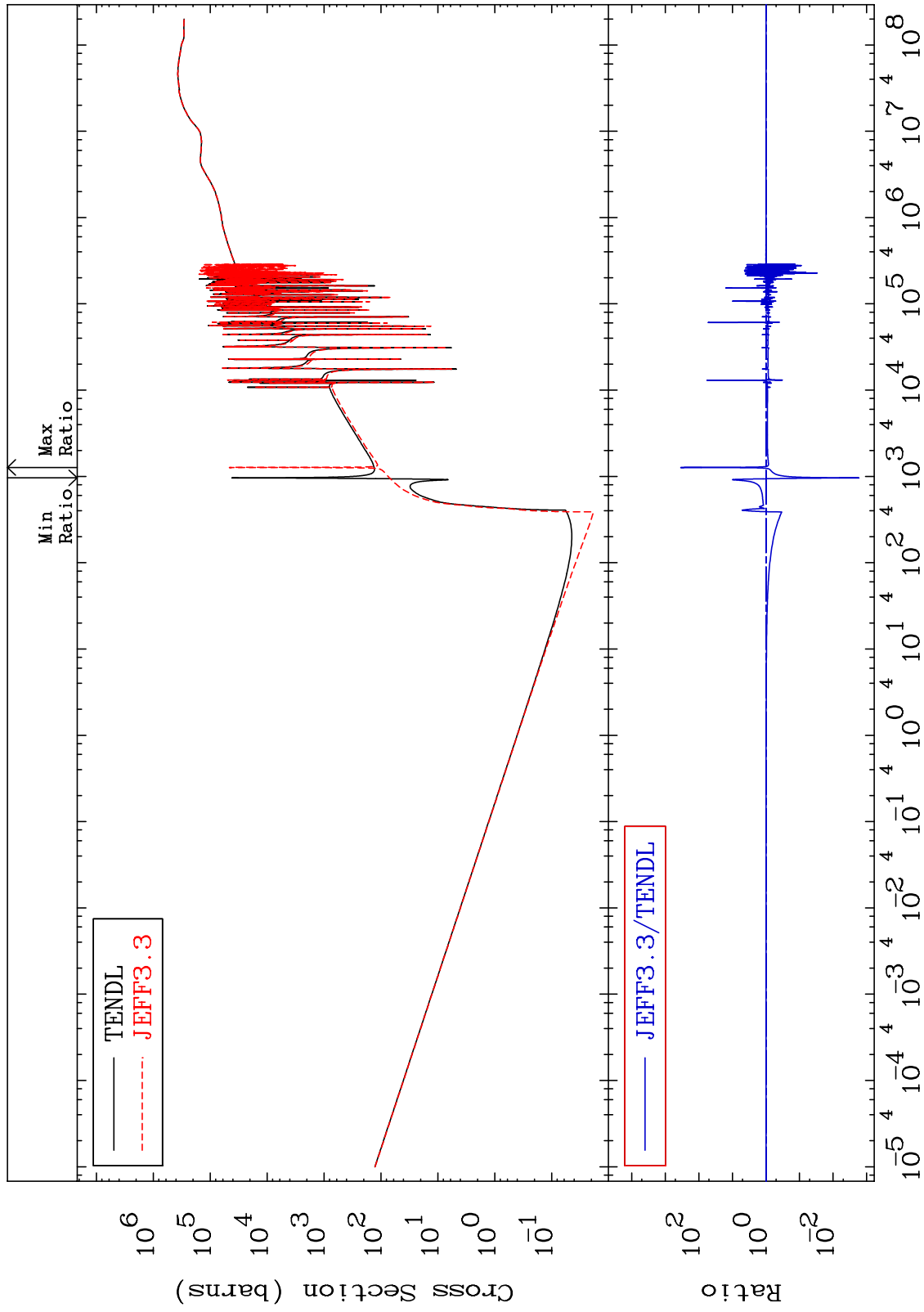
30-Zn-70
-99.83 To 9999. %



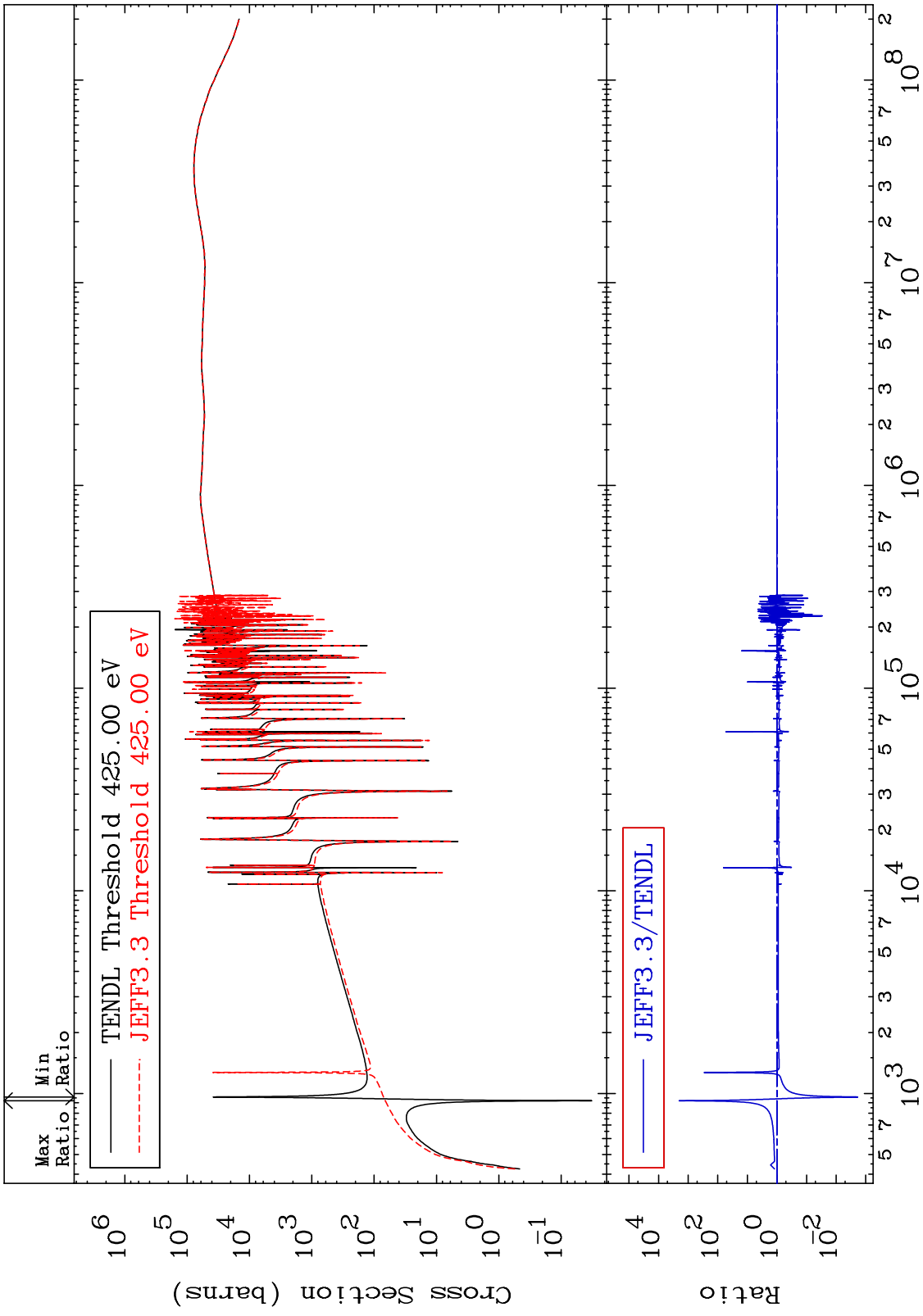
MAT 3043

Dpa total (eV-barns)
Cross Section

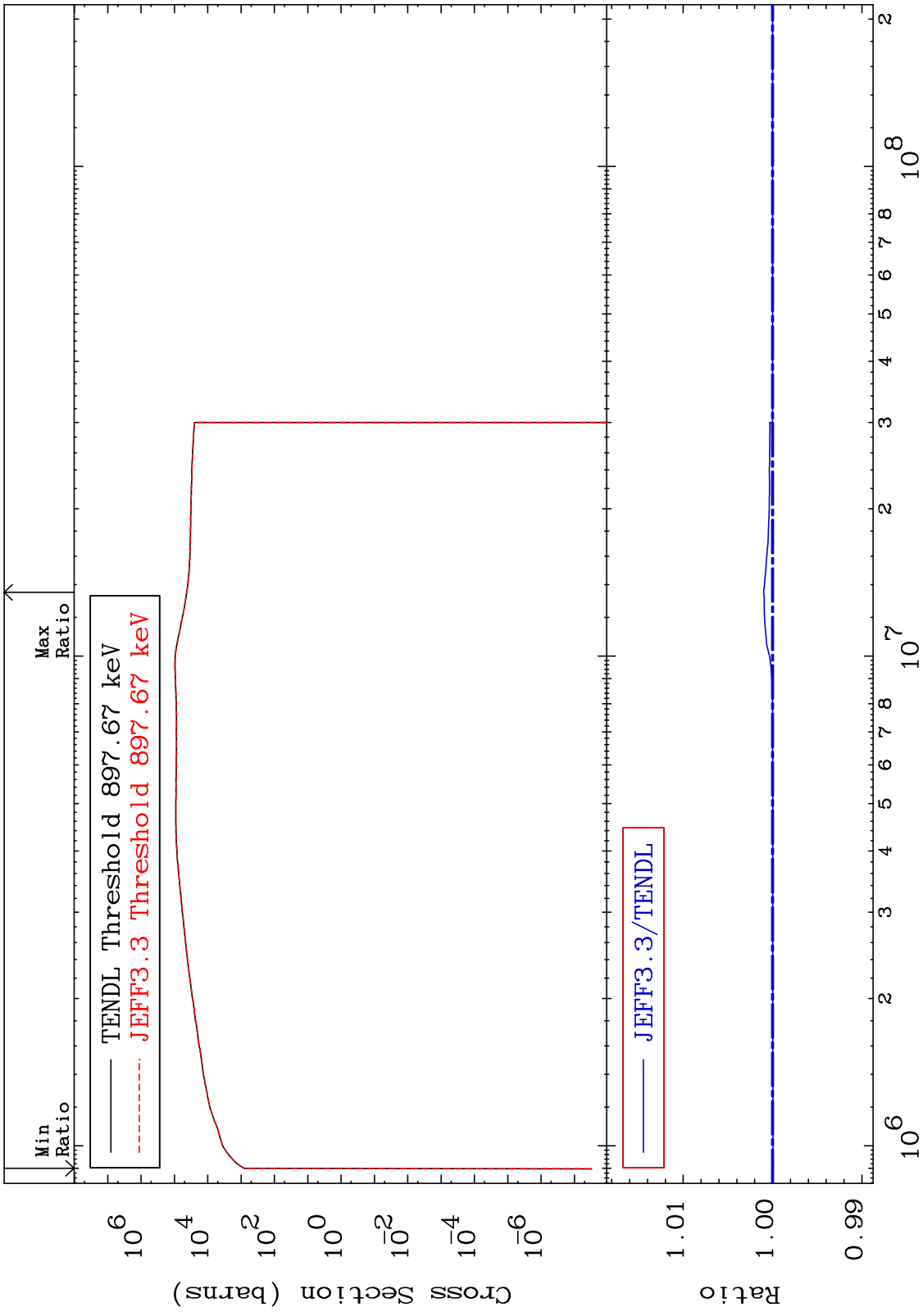
30-Zn-70
-99.83 To 9999. %



MAT 3043 Dpa elastic (mt2) 30-Zn-70
 Cross Section -99.81 To 9999. %



MAT 3043 Dpa inelastic (mt51-91) 30-Zn-70
 Cross Section -0.007 To 0.099 %

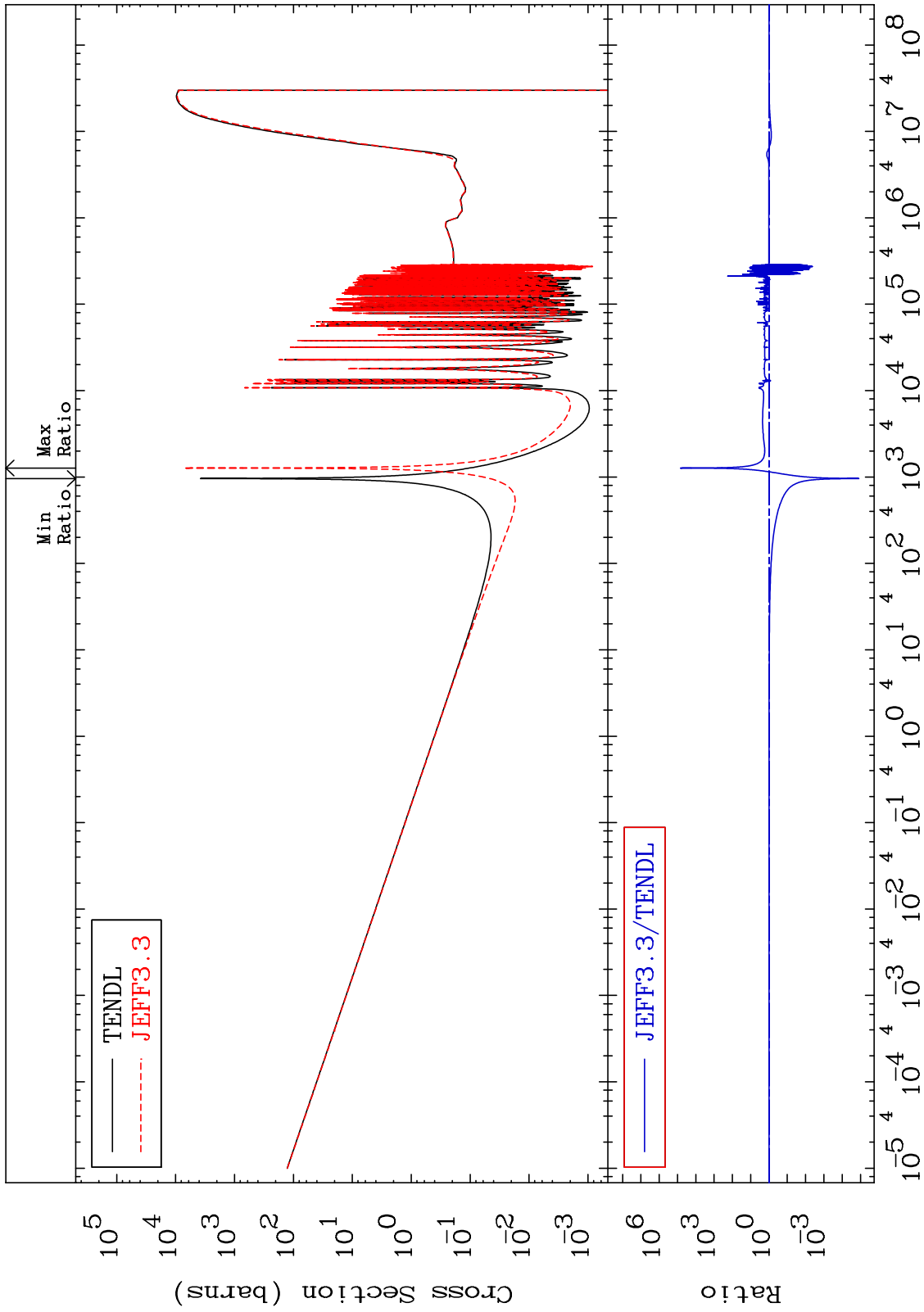


59 Incident Energy (eV) 30-Zn-70

MAT 3043

Dpa disappearance (mt102 -120)
Cross Section

30-Zn-70
-100.0 To 9999. %



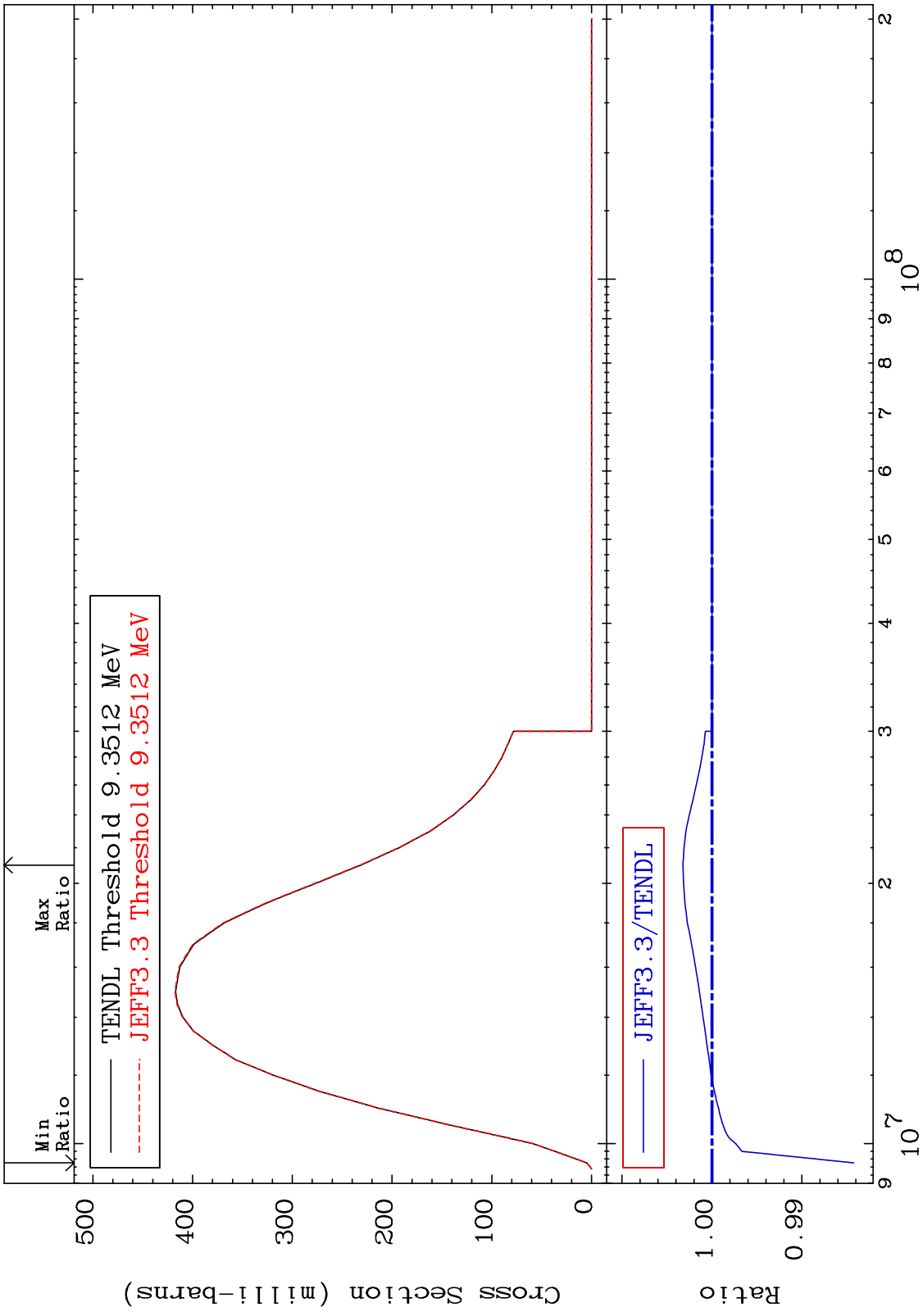
60

Incident Energy (eV)

30-Zn-70

MAT 3043

(n,2n):30-Zn-69g 30-Zn-70
Radionuclide Production Cross Section -1.578 To 0.322 %



61

Incident Energy (eV)

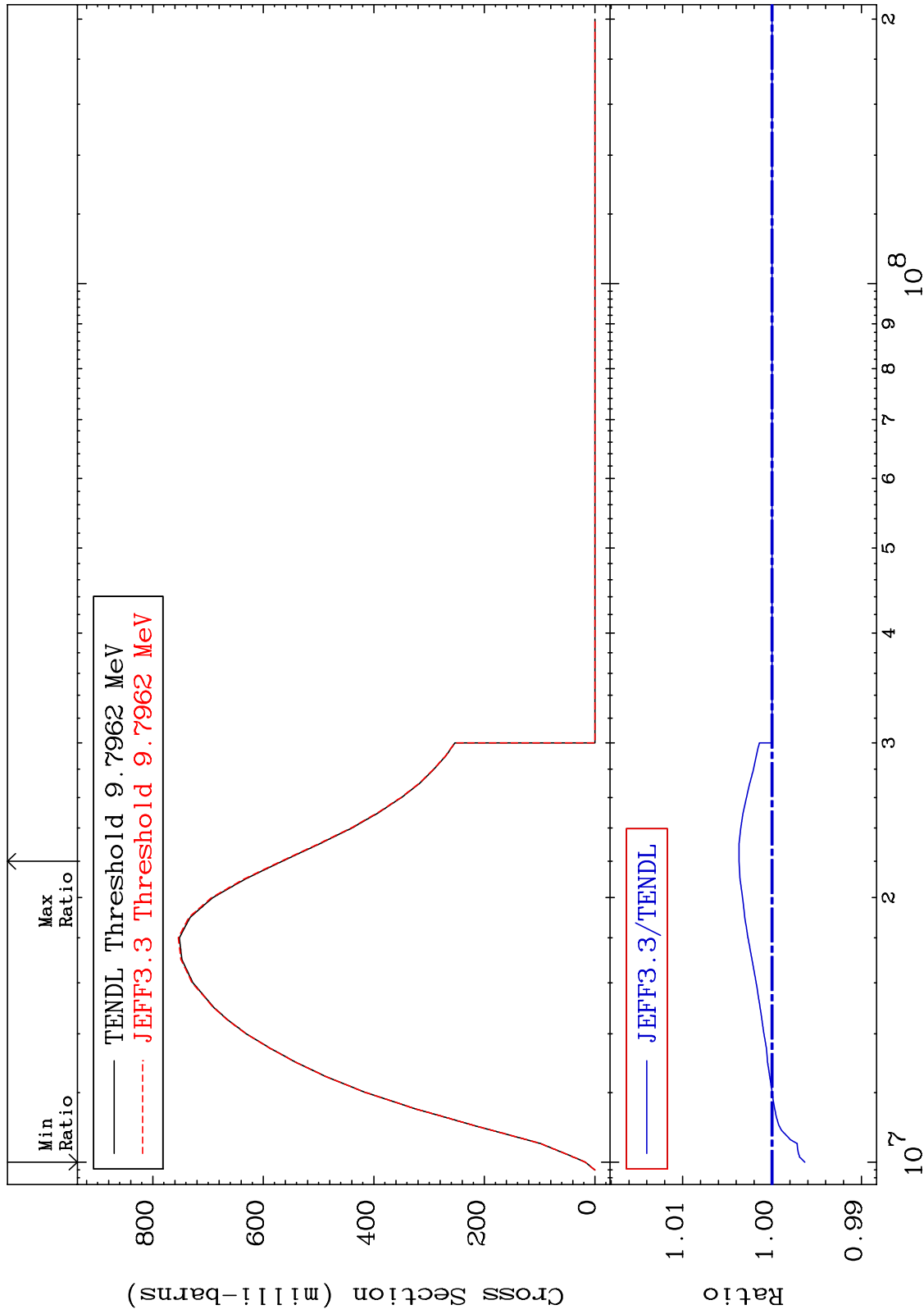
30-Zn-70

MAT 3043

(n,2n):30-Zn-69m1

30-Zn-70

Radionuclide Production Cross Section -0.367 To 0.370 %

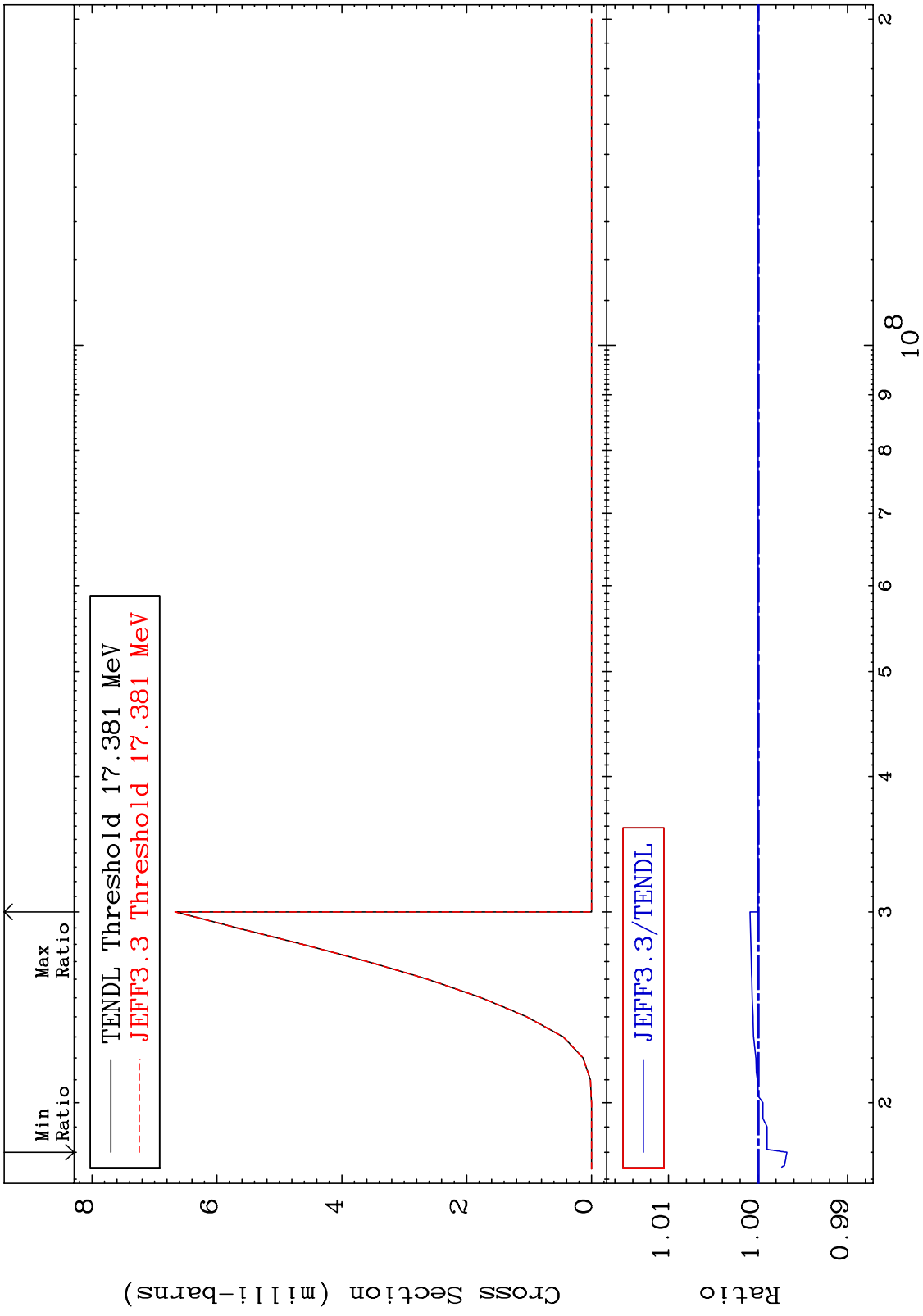


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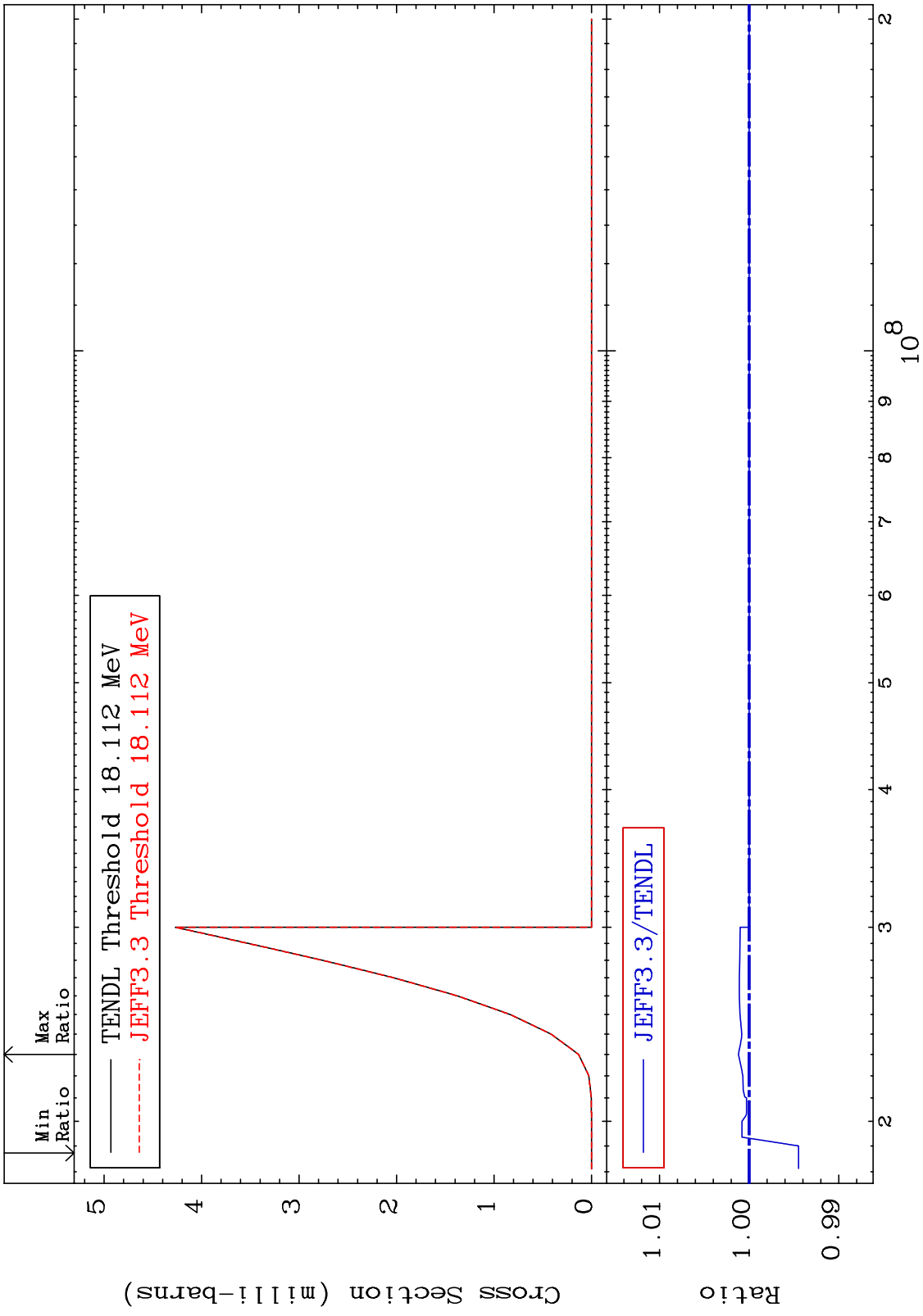
Incident Energy (eV)

30-Zn-70

MAT 3043 (n, n') d:29-Cu-68g 30-Zn-70
 Radionuclide Production Cross Section -0.322 To 0.090 %



MAT 3043 (n, n') d:29-Cu-68m3 30-Zn-70
 Radionuclide Production Cross Section -0.550 To 0.121 %

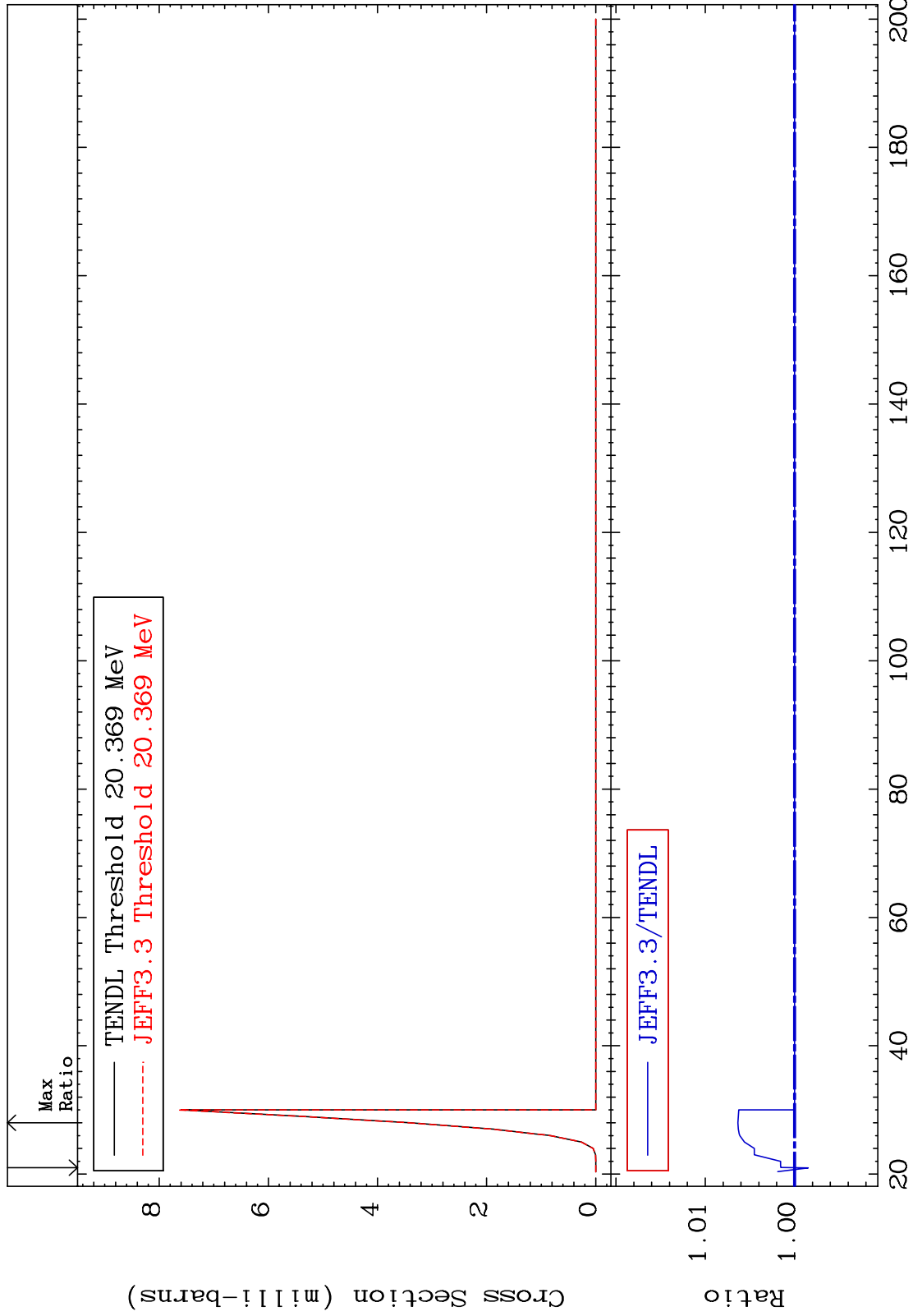


MAT 3043

(n,2n) p:29-Cu-68m3

30-Zn-70

Radionuclide Production Cross Section -0.152 To 0.636 %

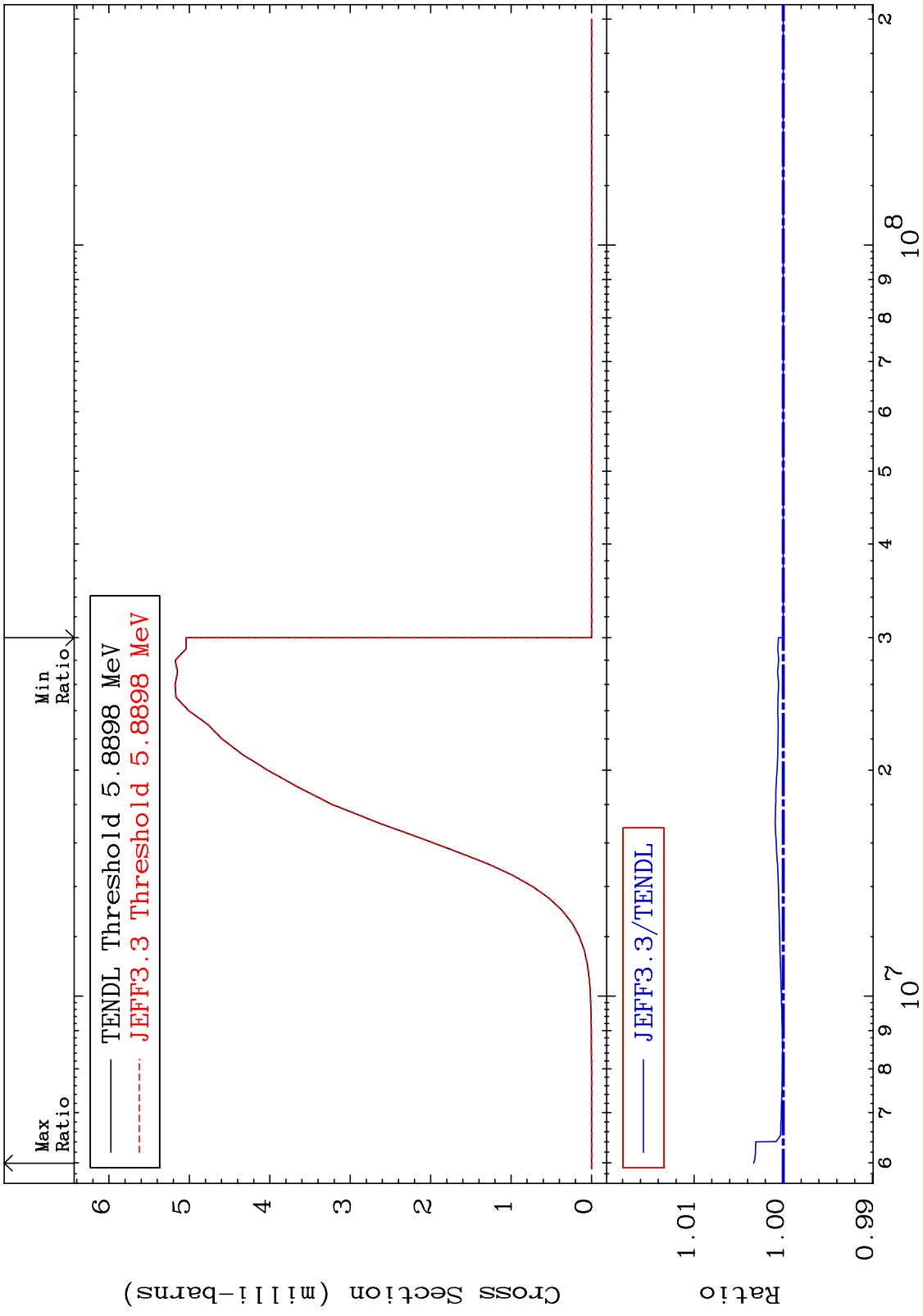


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Incident Energy (MeV)

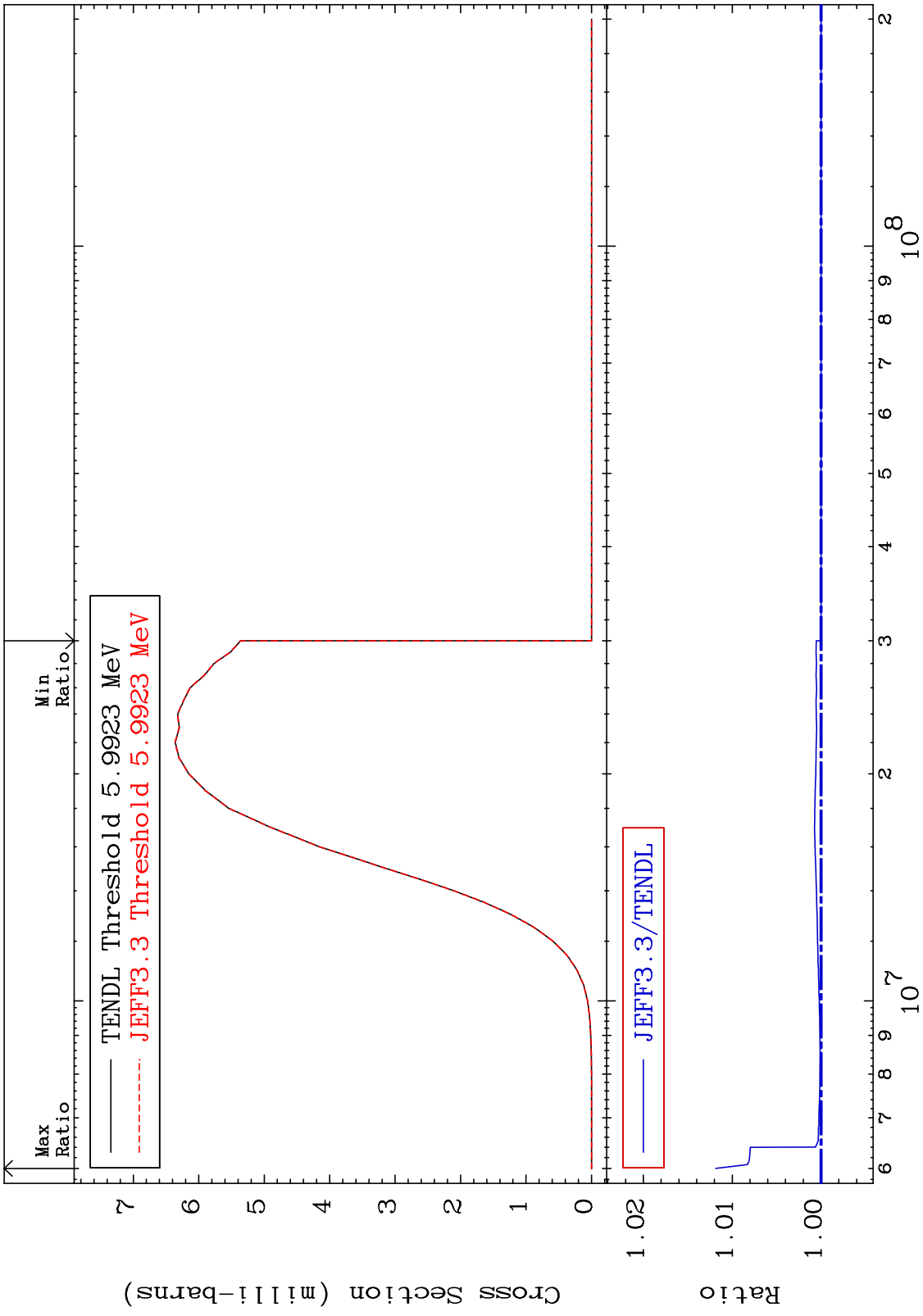
30-Zn-70

MAT 3043 (n,p):29-Cu-70g 30-Zn-70
 Radionuclide Production Cross Section 0.000 To 0.332 %



67 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,p):29-Cu-70m1 30-Zn-70
 Radionuclide Production Cross Section 0.000 To 1.185 %

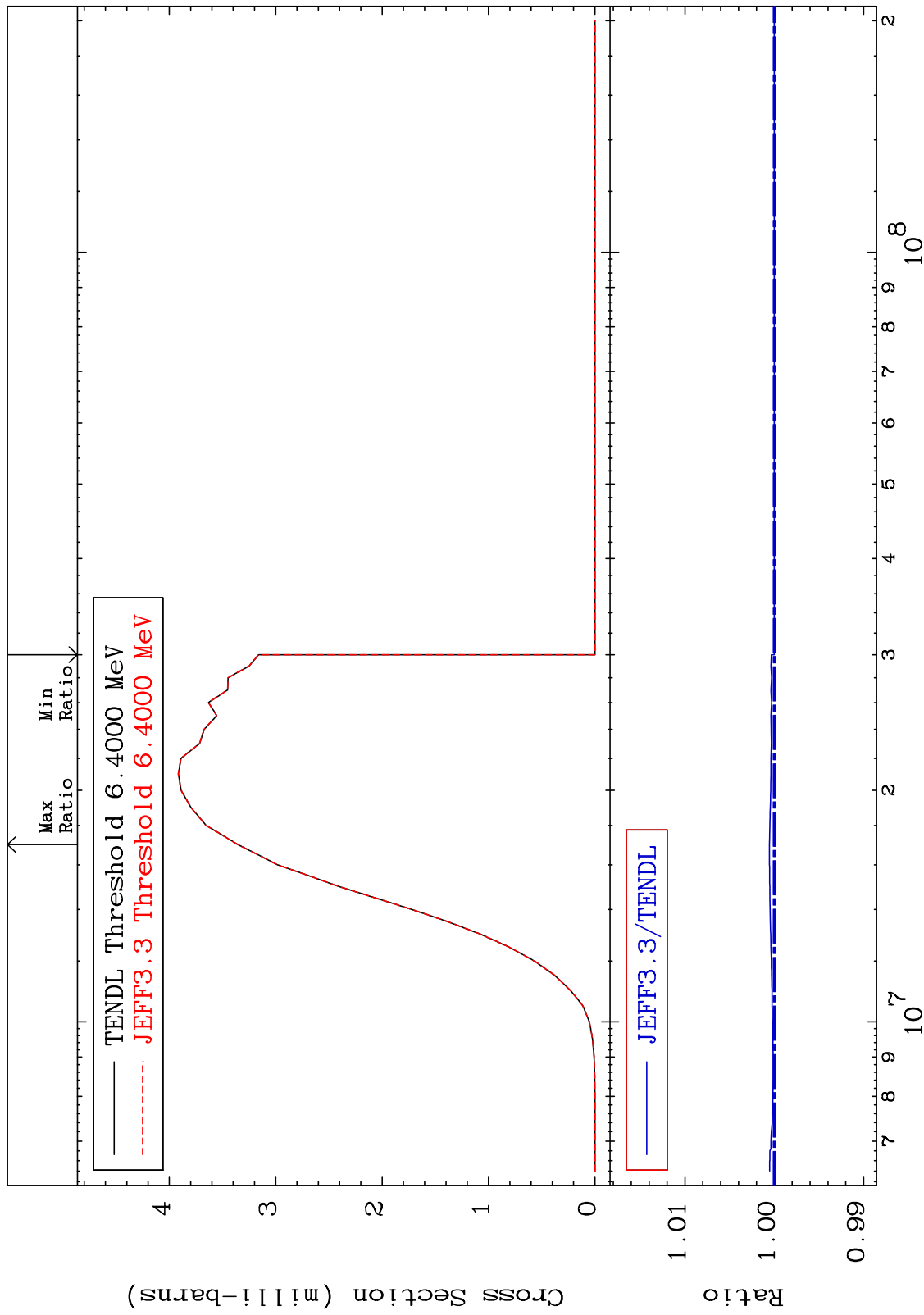


MAT 3043

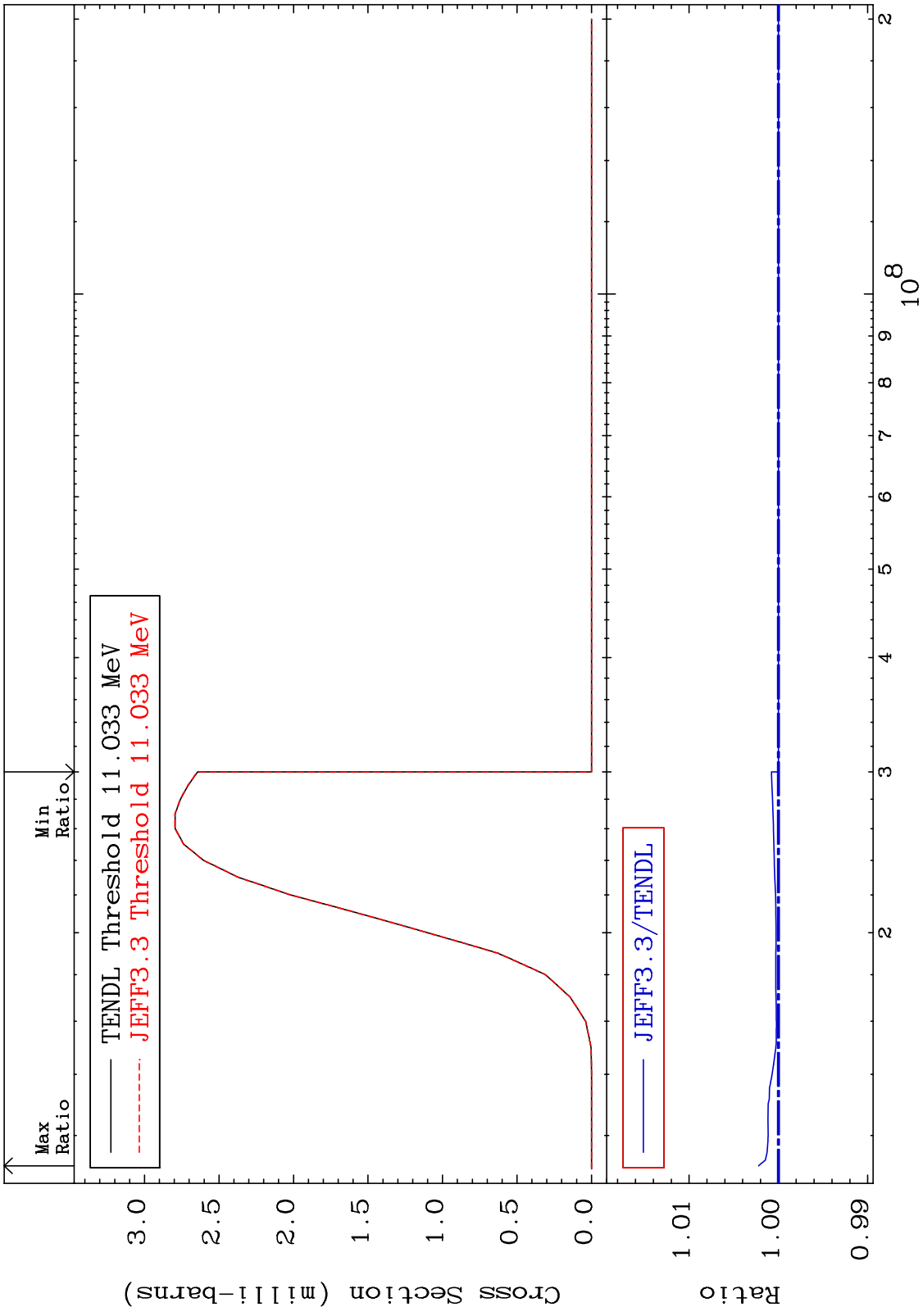
(n,p):29-Cu-70m3

30-Zn-70

Radionuclide Production Cross Section 0.000 To 0.055 %



MAT 3043 (n,t):29-Cu-68g 30-Zn-70
 Radionuclide Production Cross Section 0.000 To 0.223 %



MAT 3043 (n,t):29-Cu-68m3 30-Zn-70
 Radionuclide Production Cross Section 0.000 To 0.160 %

