

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

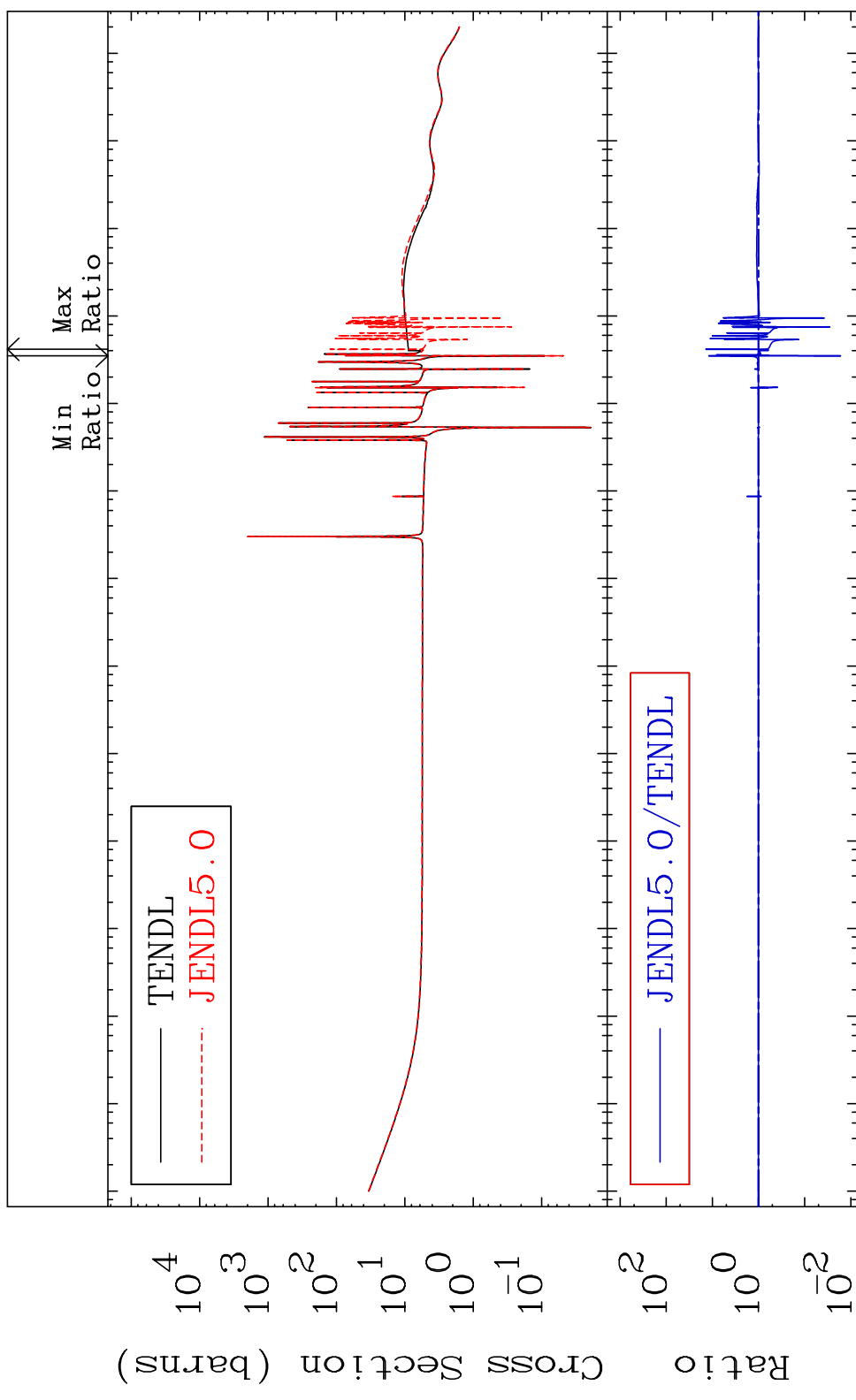
MAT 4043

Total

40-Zr-96

Cross Section

-98.33 To 1292. %



1

Incident Energy (eV)

40-Zr-96

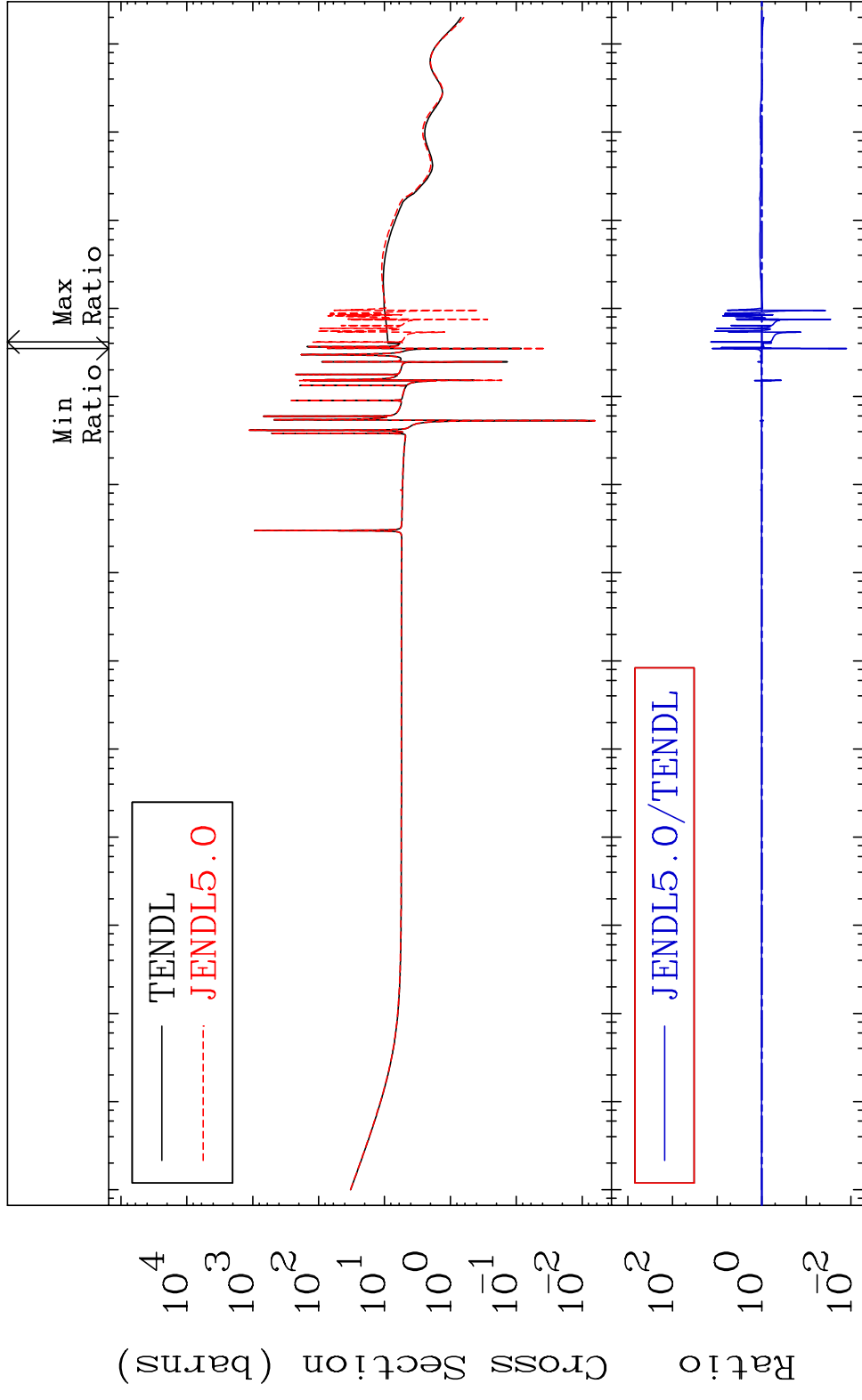
MAT 4043

Elastic

40-Zr-96

Cross Section

-98.73 To 1289. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

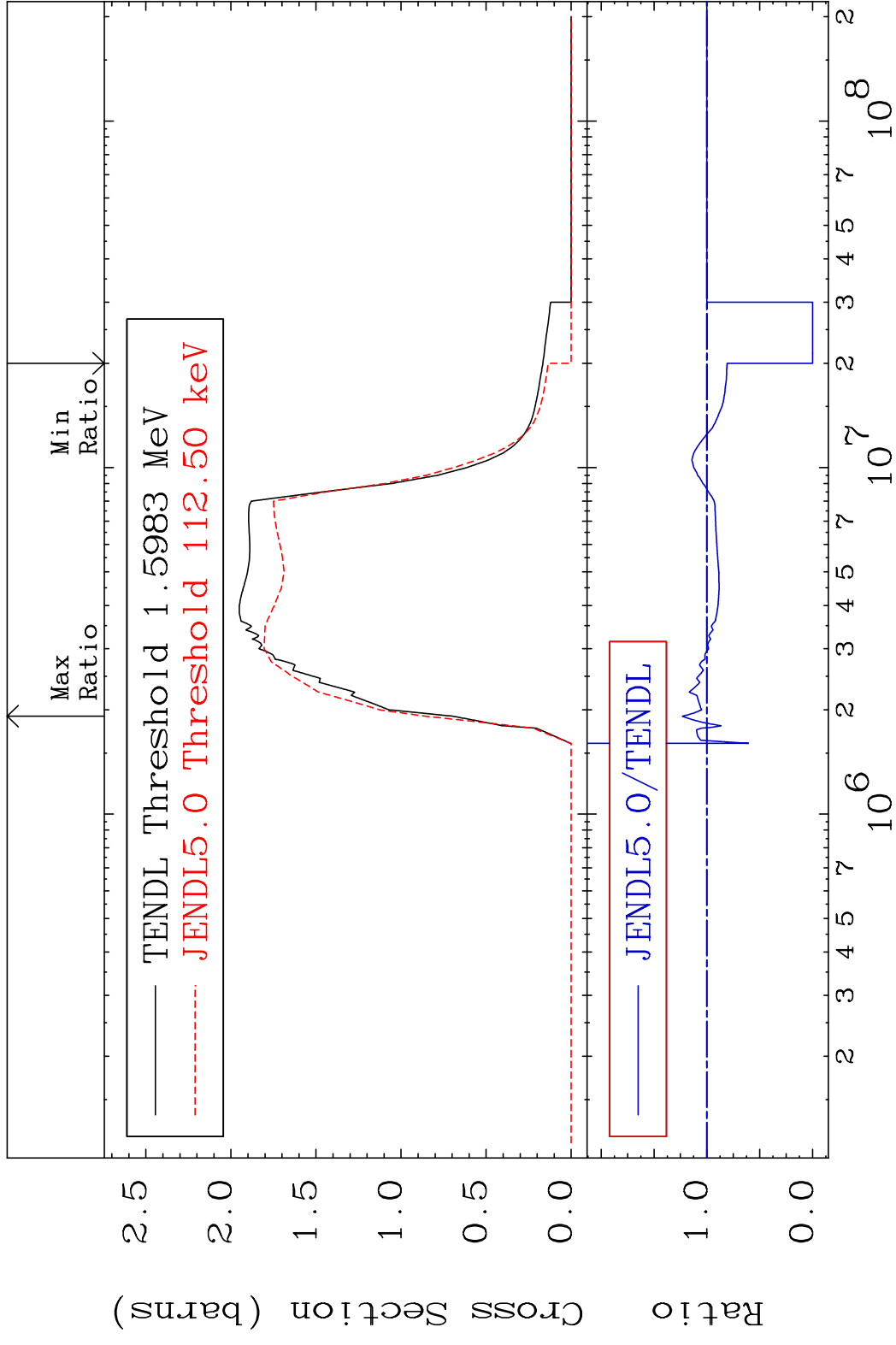
Incident Energy (eV)

40-Zr-96

2

MAT 4043

Inelastic
Cross Section -100.0 To 23.19 %
40-Zr-96

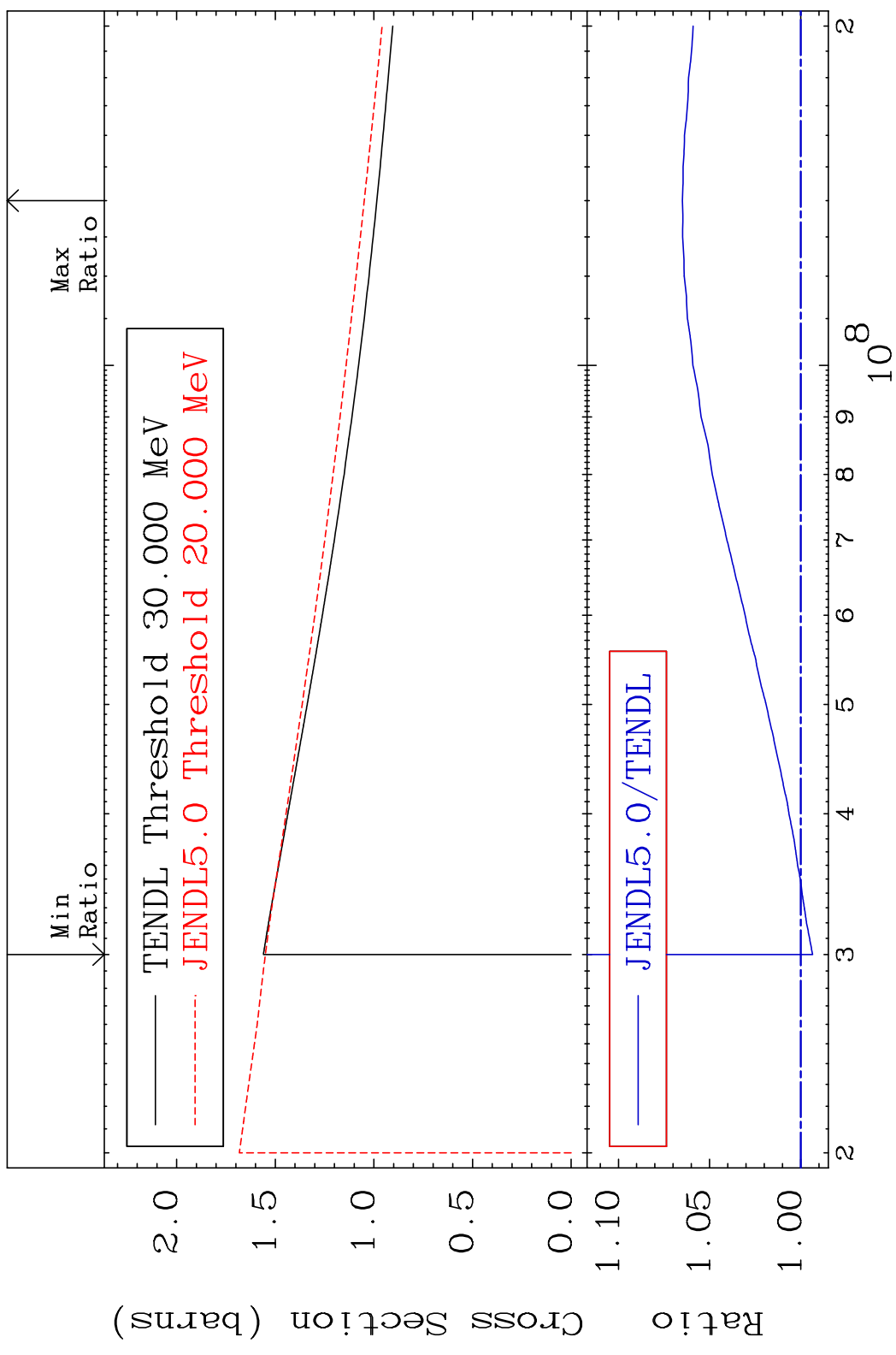


MAT 4043

(n, remainder)

40-Zr-96

Cross Section -0.649 To 6.493 %

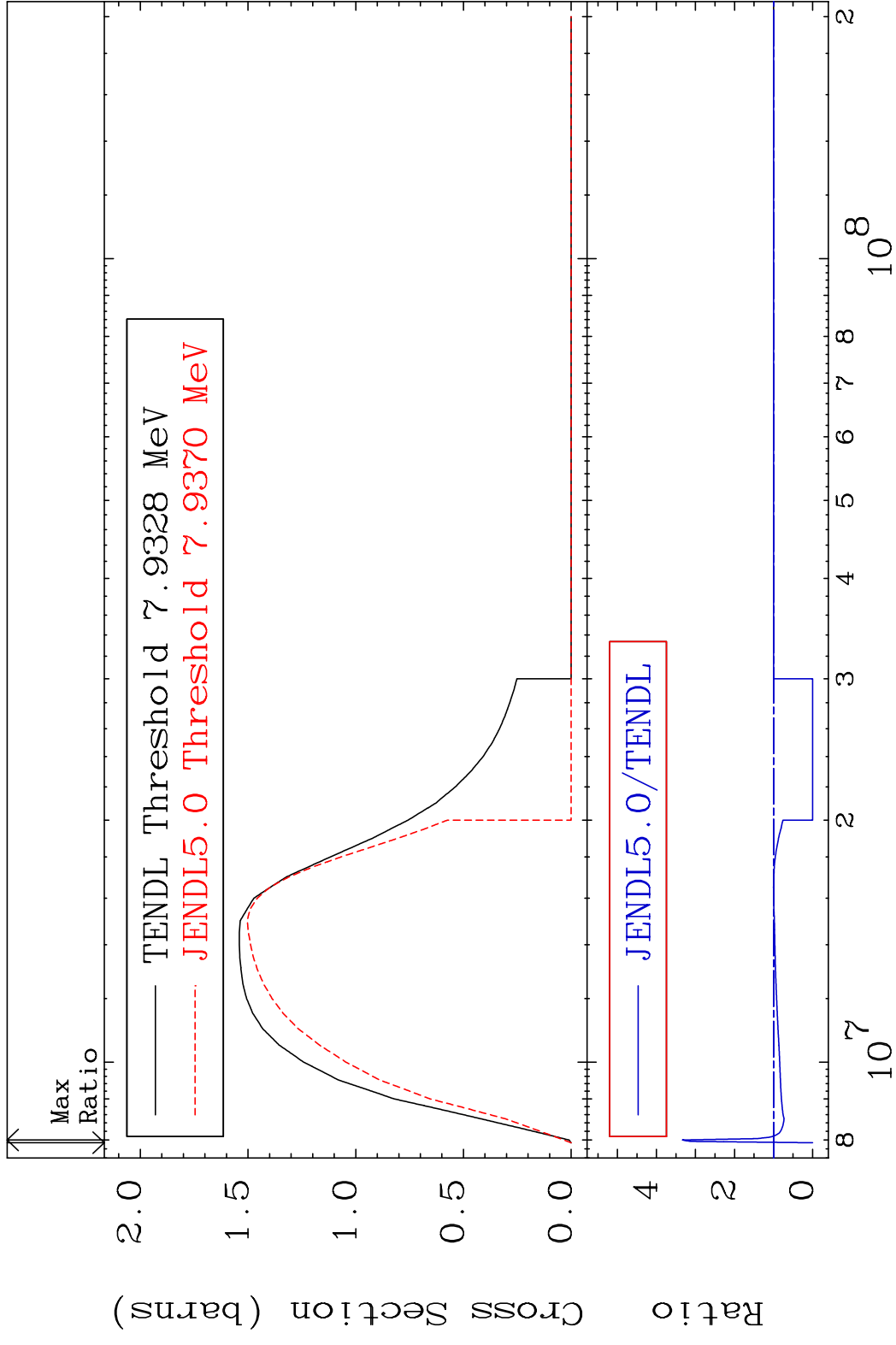


4

Incident Energy (eV)

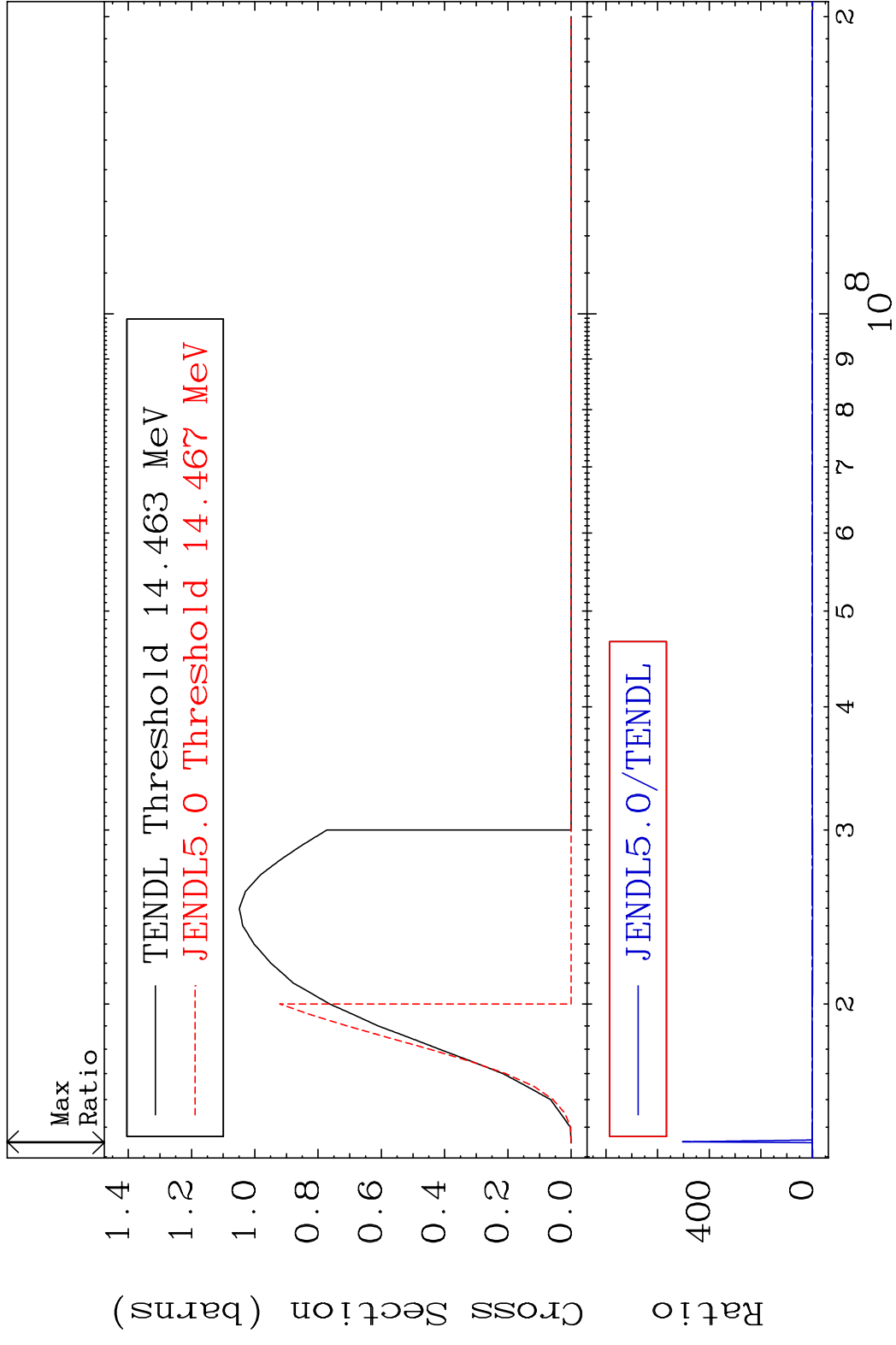
40-Zr-96

MAT 4043 (n,2n) 40-Zr-96
 Cross Section -100.0 To 233.6 %

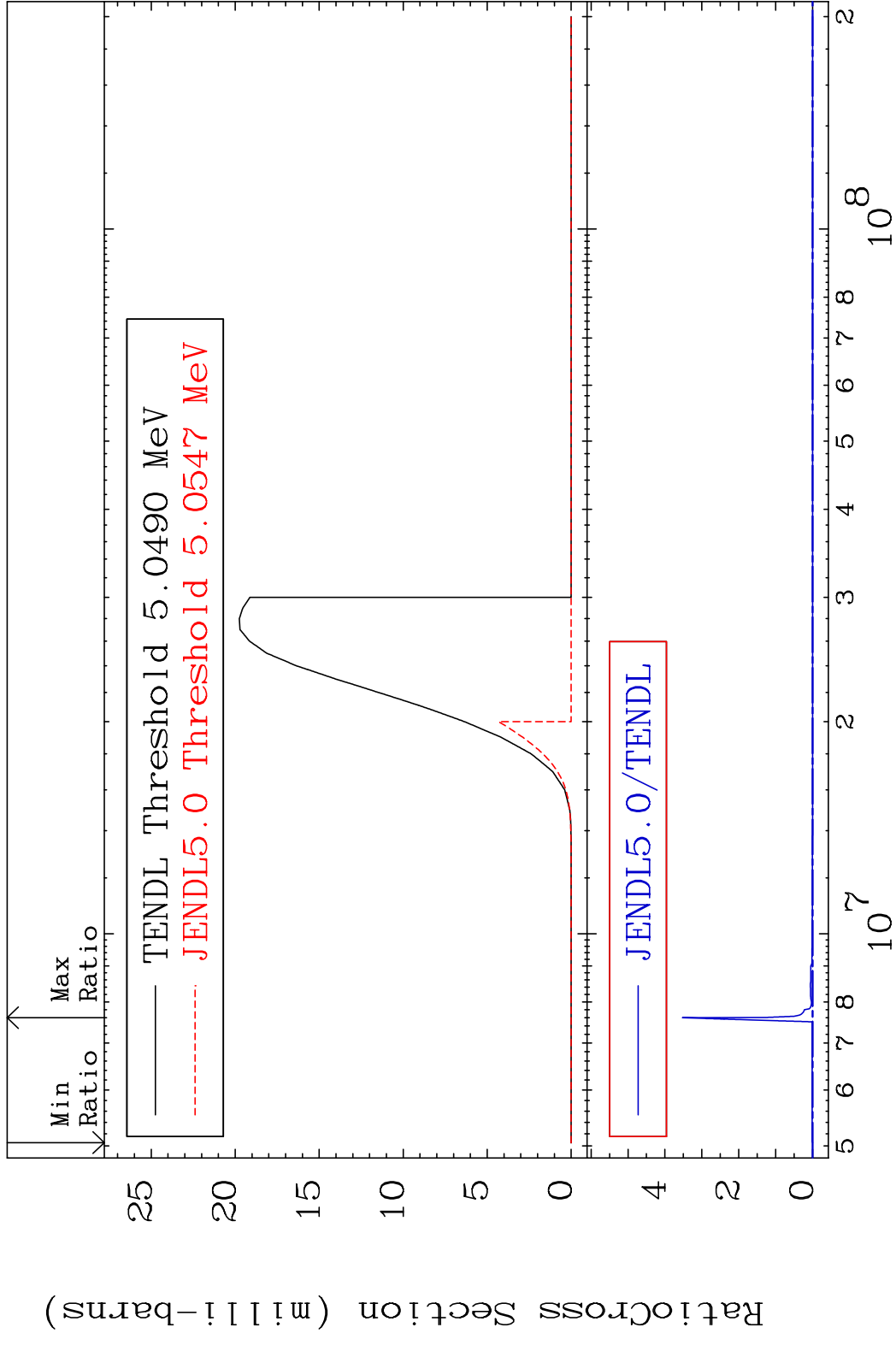


5 Incident Energy (eV) 40-Zr-96

MAT 4043 (n,3n) 40-Zr-96
 Cross Section -100.0 To 9999. %

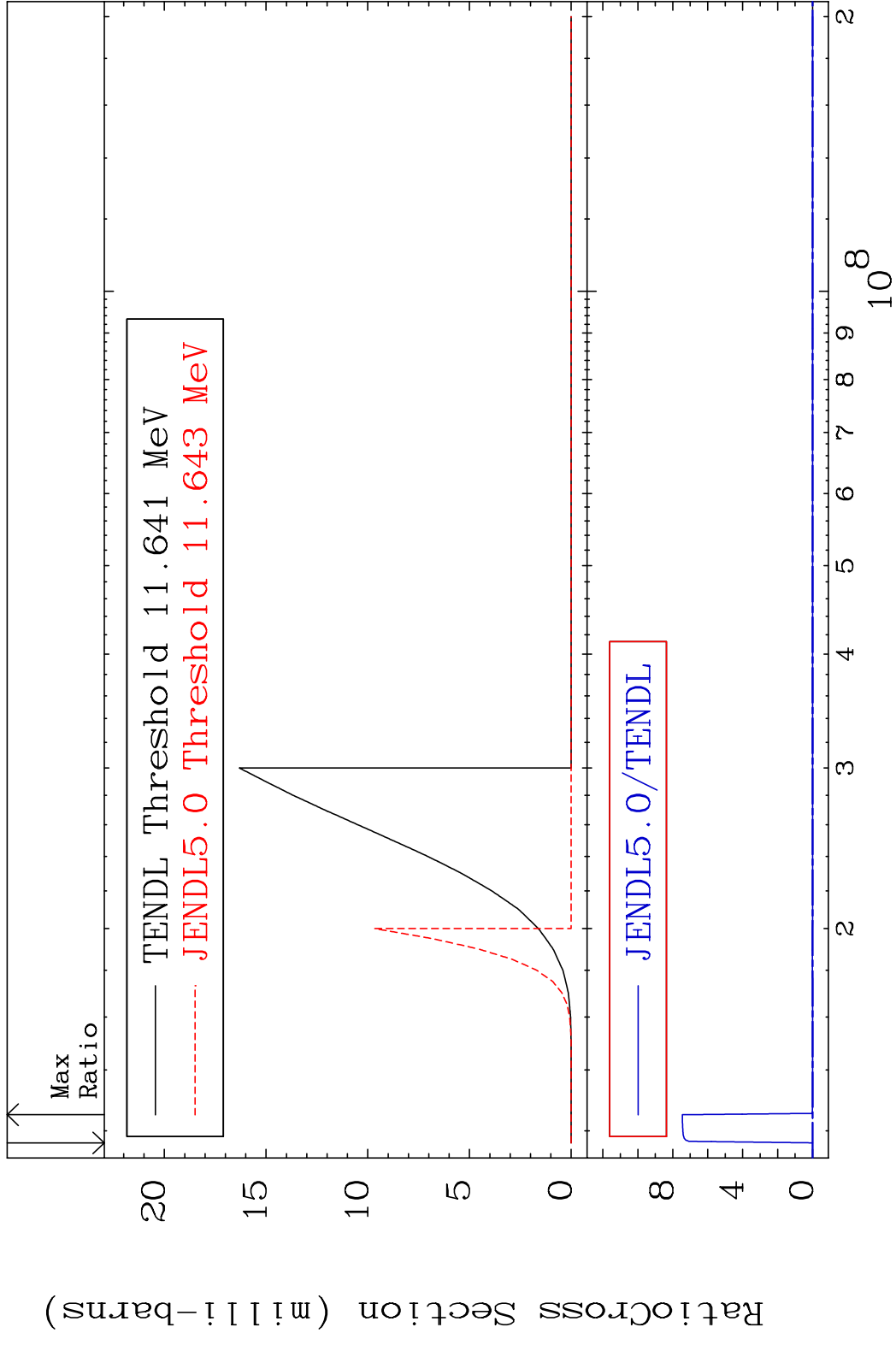


MAT 4043 (n, n') α 40-Zr-96
 Cross Section -100.0 To 9999. %

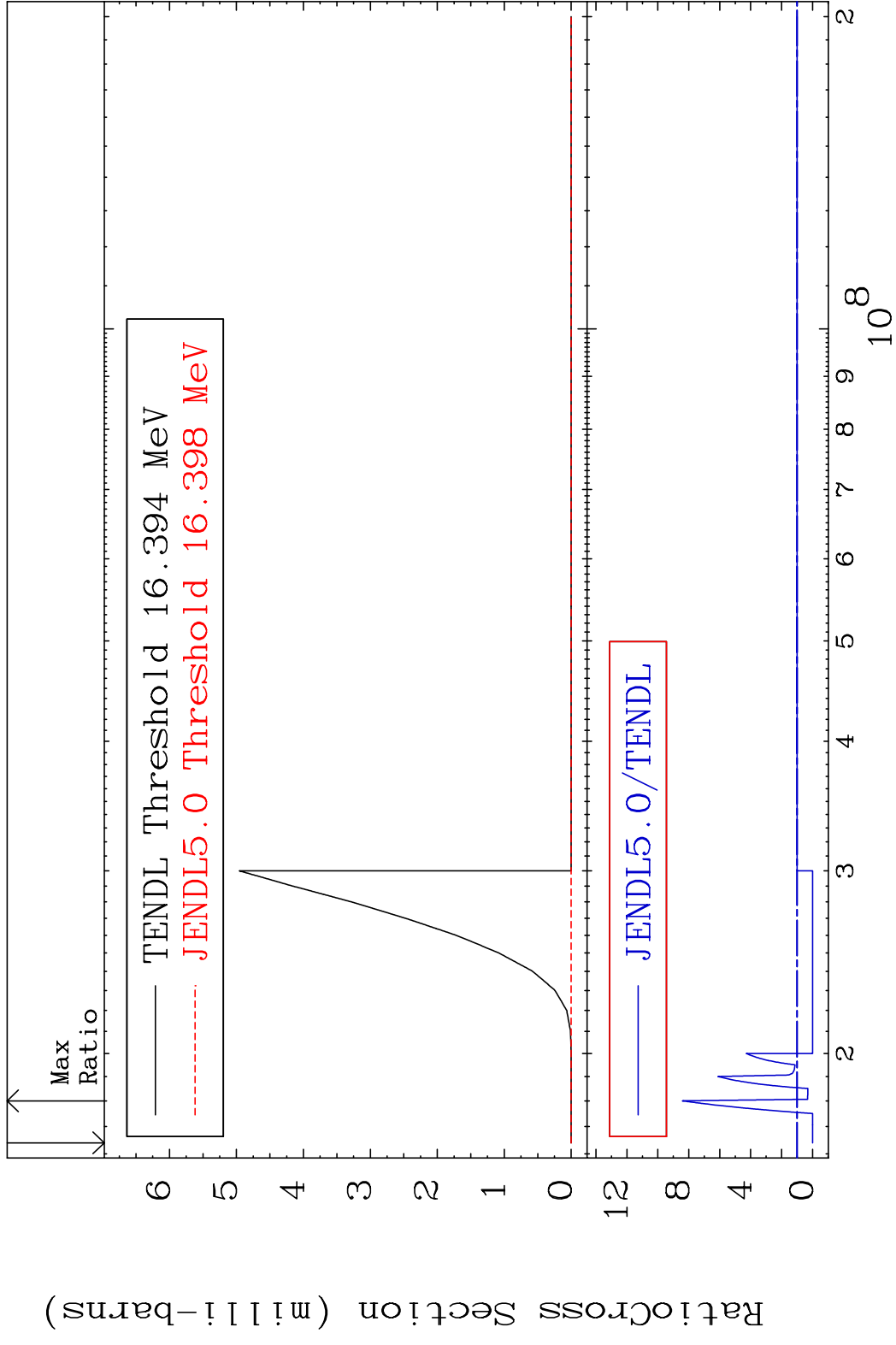


7 8 10 7 8 10 8 2 40-Zr-96

MAT 4043 (n, n') p 40-Zr-96
 Cross Section -100.0 To 9999. %

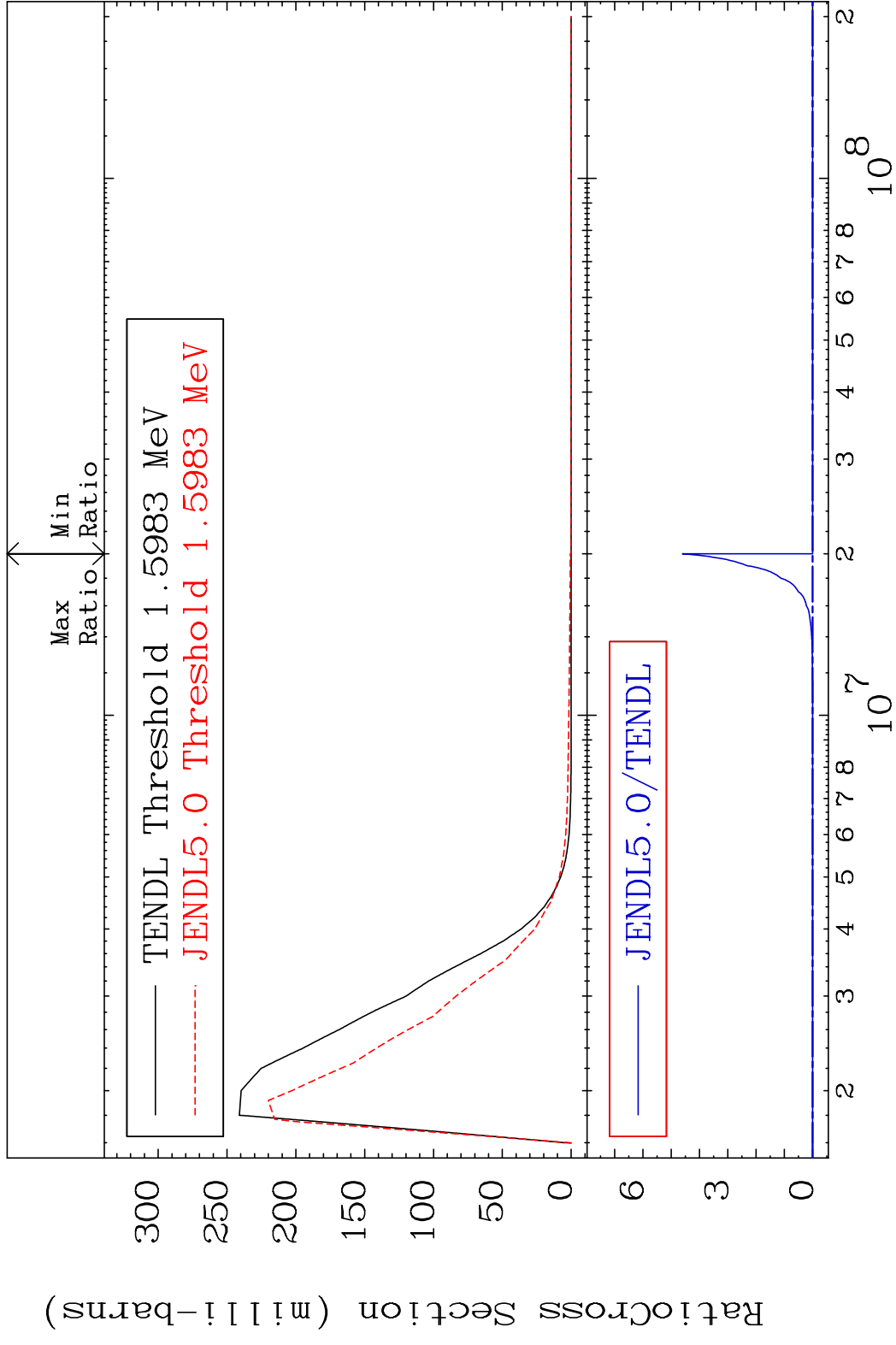


MAT 4043 (n, n') d 40-Zr-96
 Cross Section -100.0 To 741.7 %

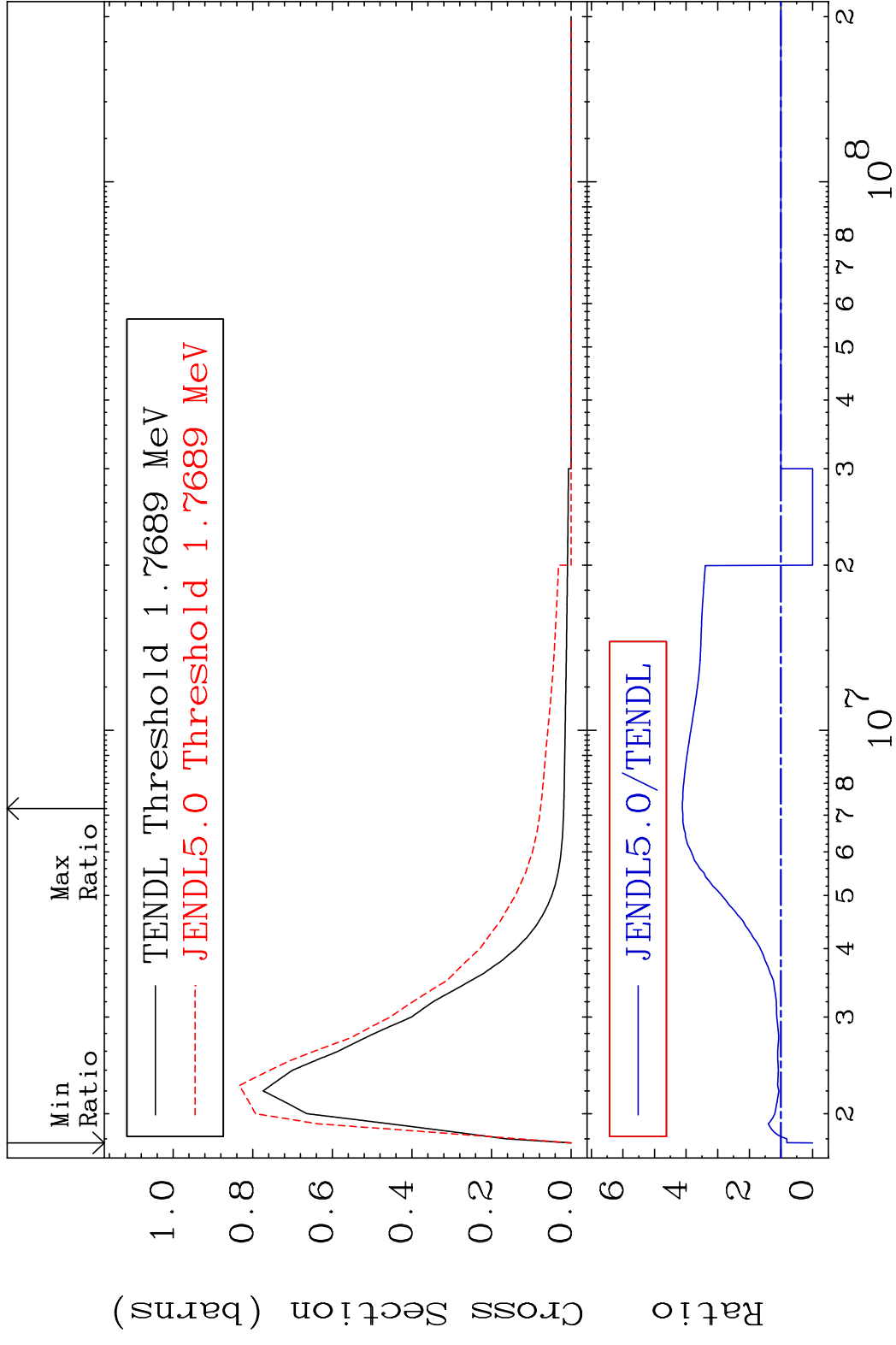


10 16 40-Zr-96

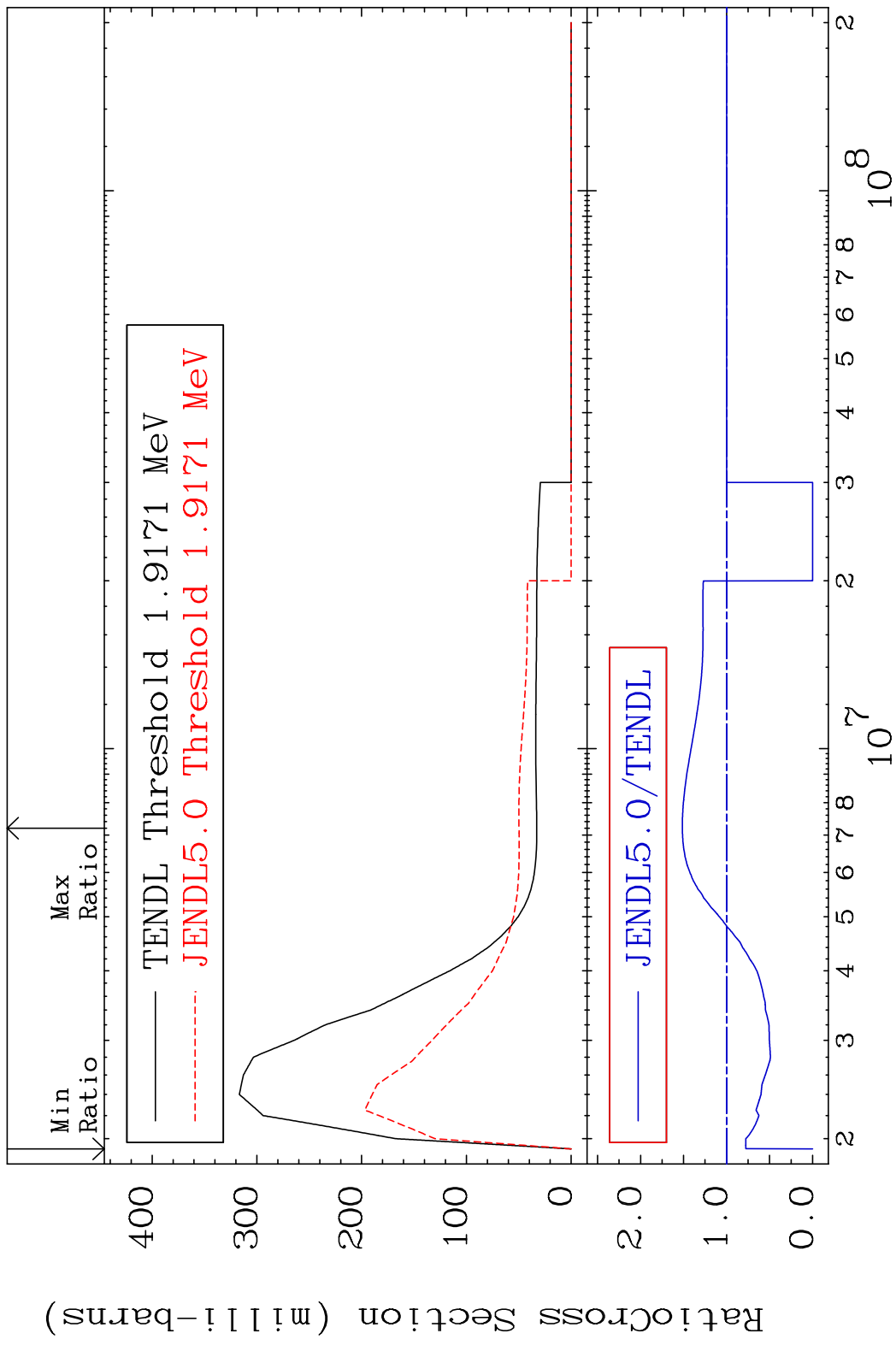
MAT 4043 MT= 51 (n, n') Level 40-Zr-96
 Cross Section -100.0 To 9999. %



MAT 4043 MT= 52 (n, n') Level 40-Zr-96
 Cross Section -100.0 To 311.9 %



MAT 4043 MT= 53 (n, n') Level 40-Zr-96
 Cross Section -100.0 To 51.42 %

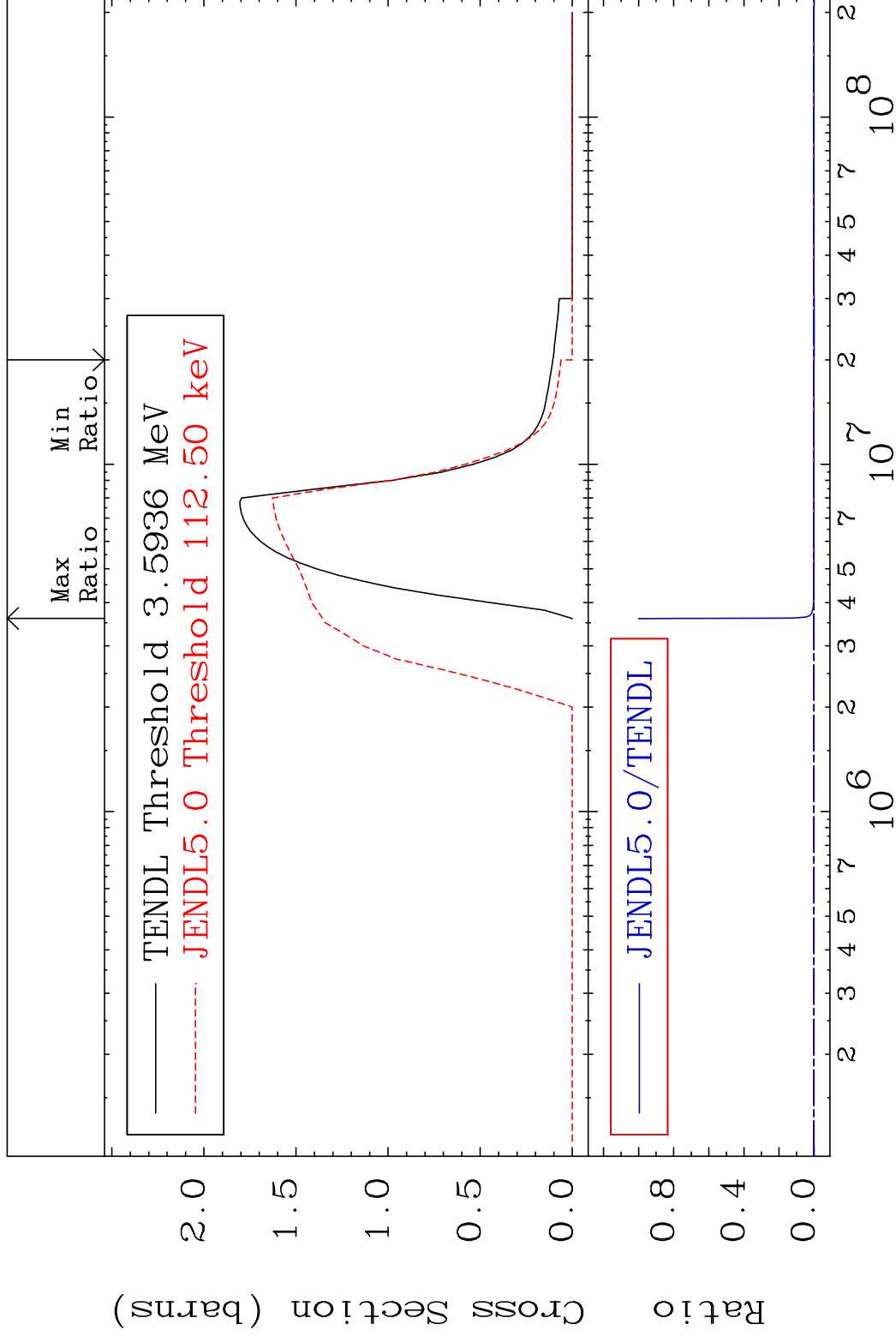


MAT 4043

(n,n') Continuum

40-Zr-96

Cross Section -100.0 To 9999. %

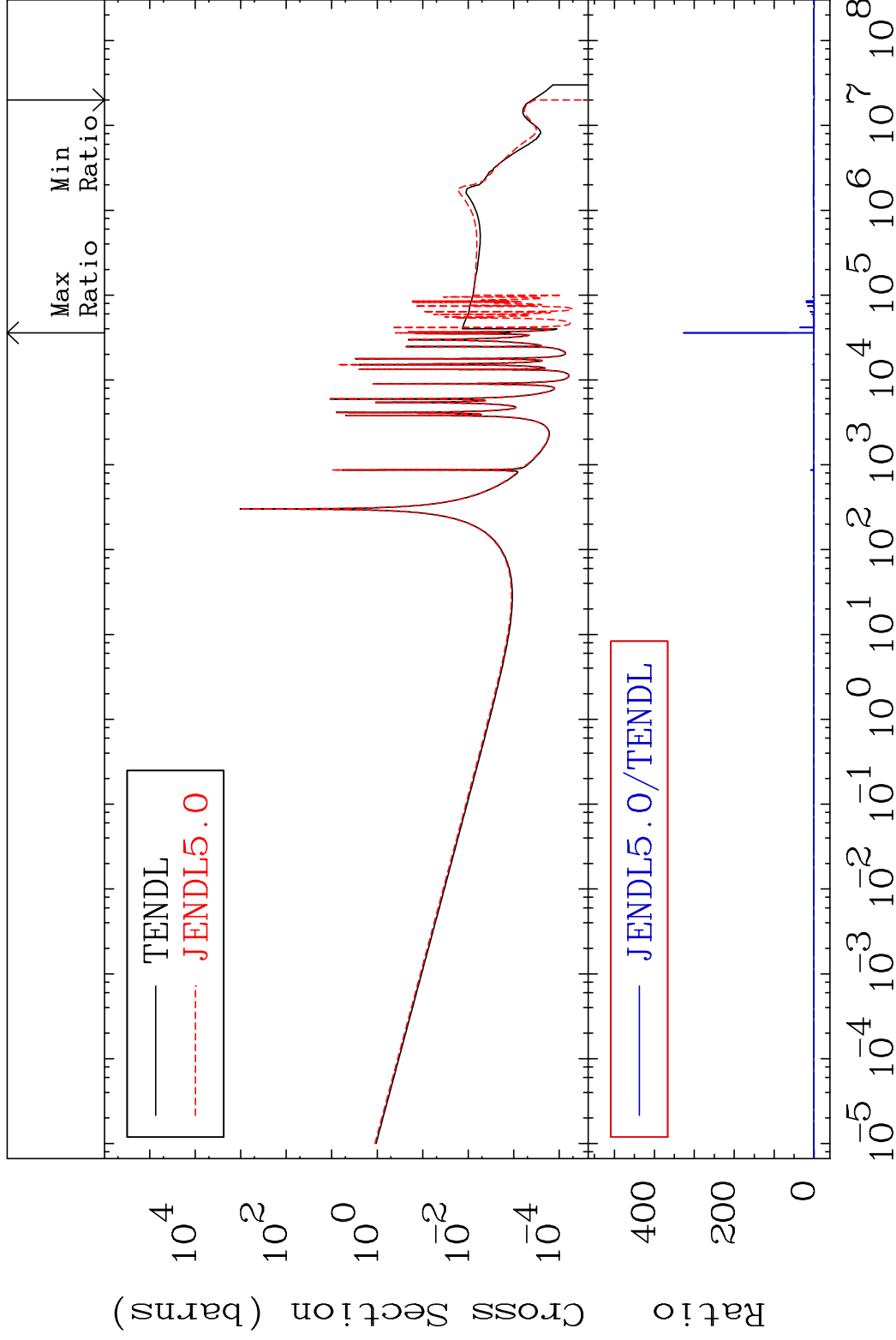


MAT 4043

(n, γ)

40-Zr-96

Cross Section -100.0 To 9999. %

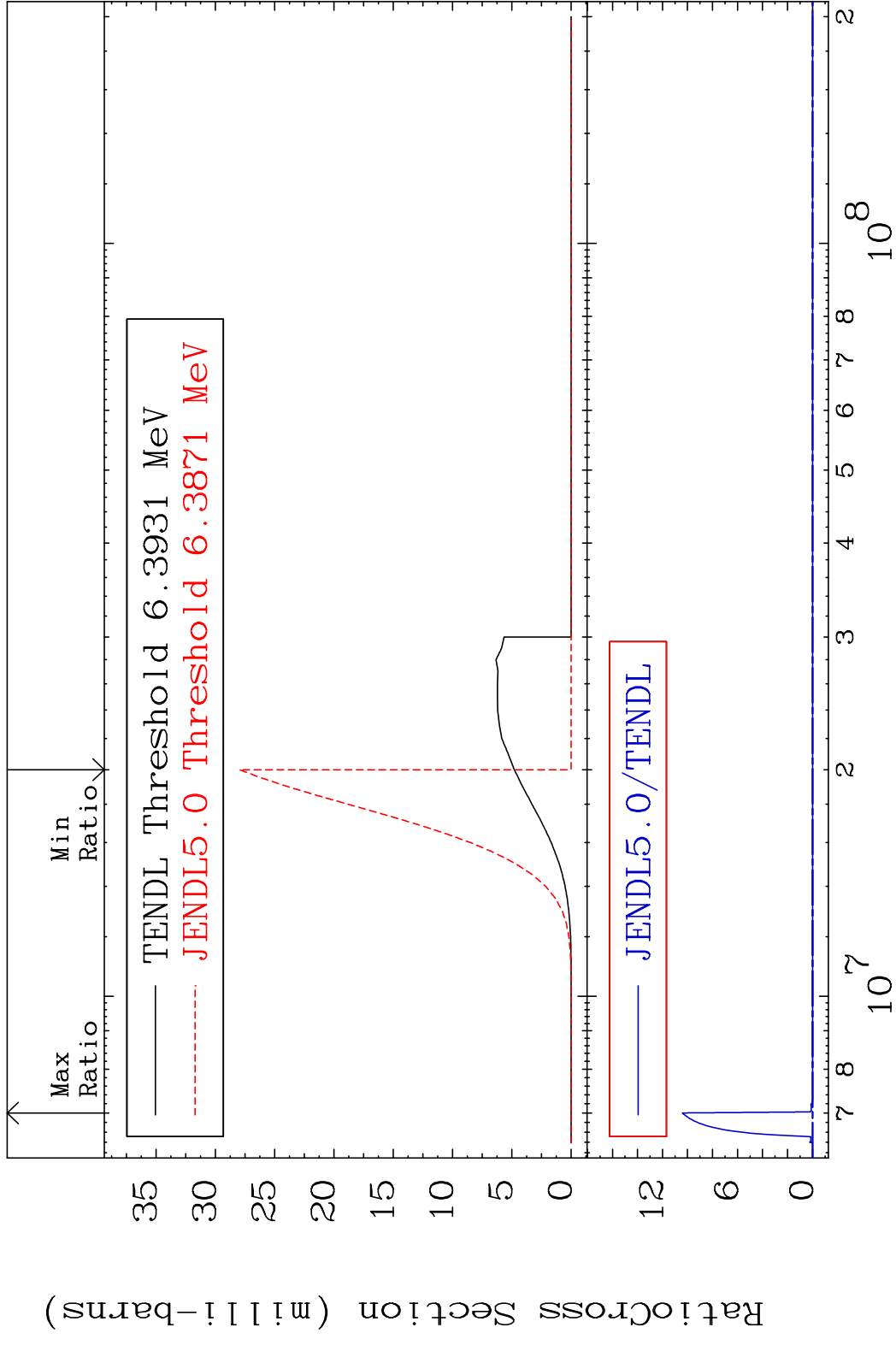


15

Incident Energy (eV)

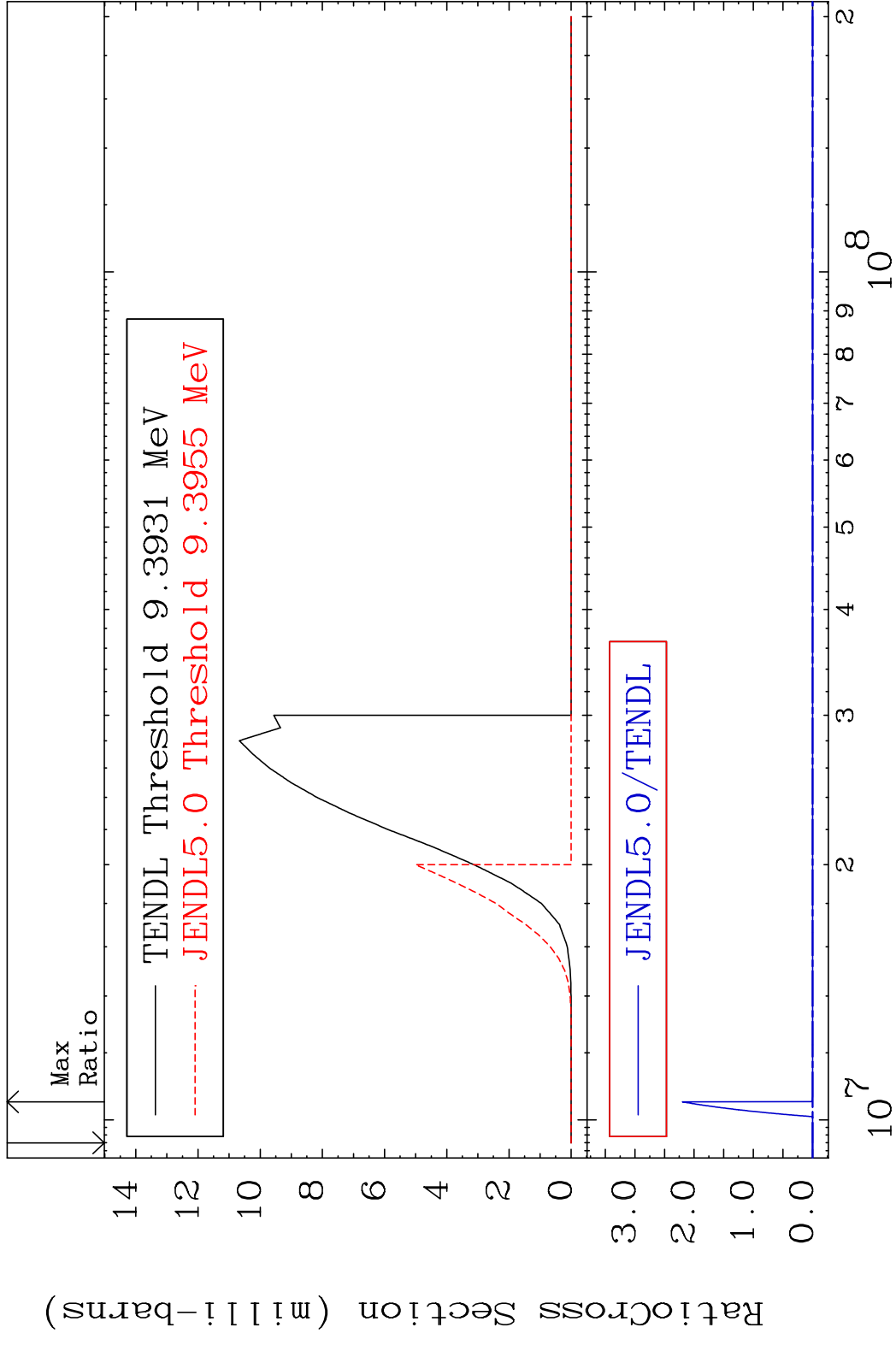
40-Zr-96

MAT 4043 (n,p) 40-Zr-96
 Cross Section -100.0 To 9999. %



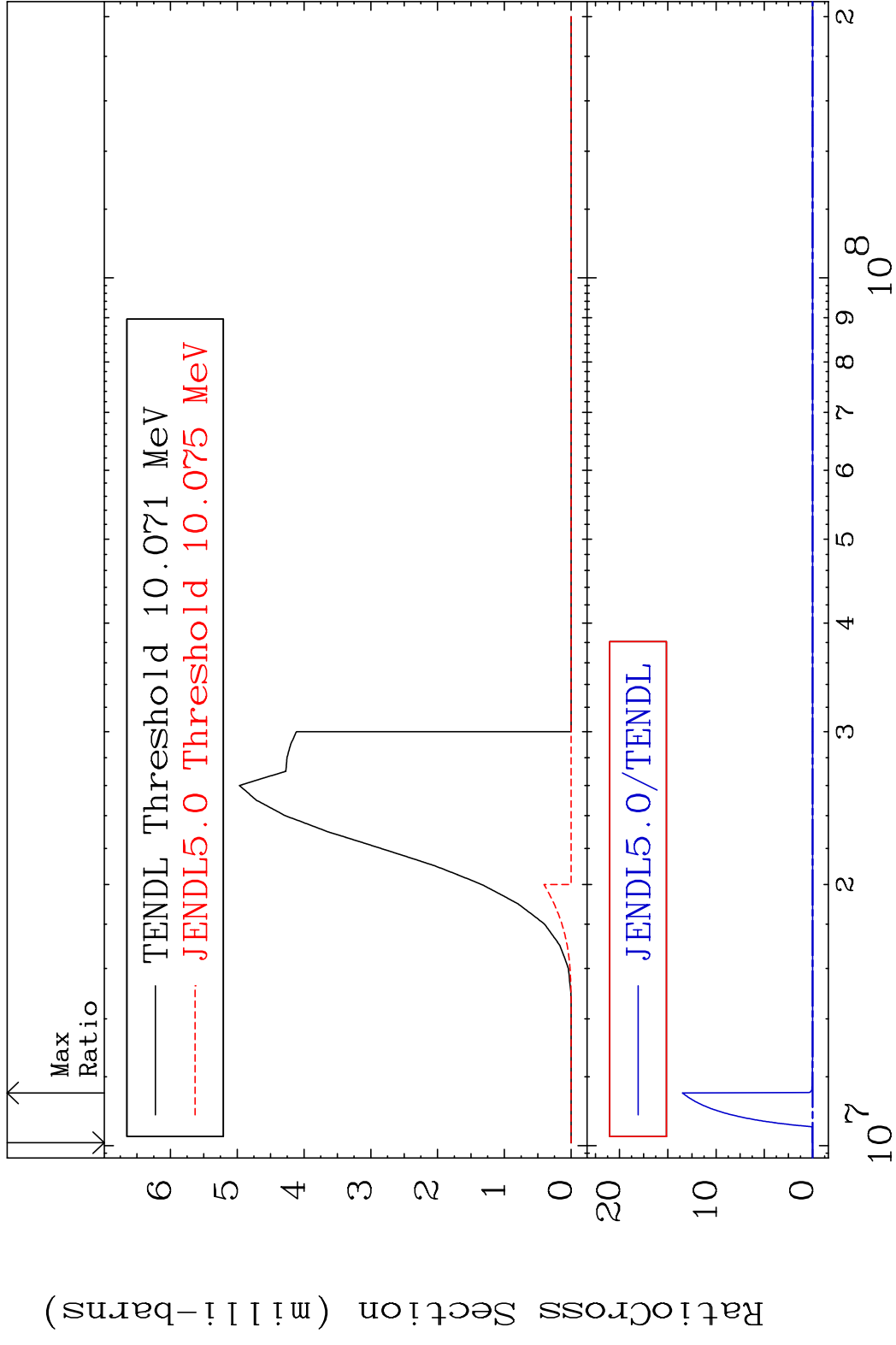
16 16 40-Zr-96

MAT 4043 (n,d) 40-Zr-96
 Cross Section -100.0 To 9999. %

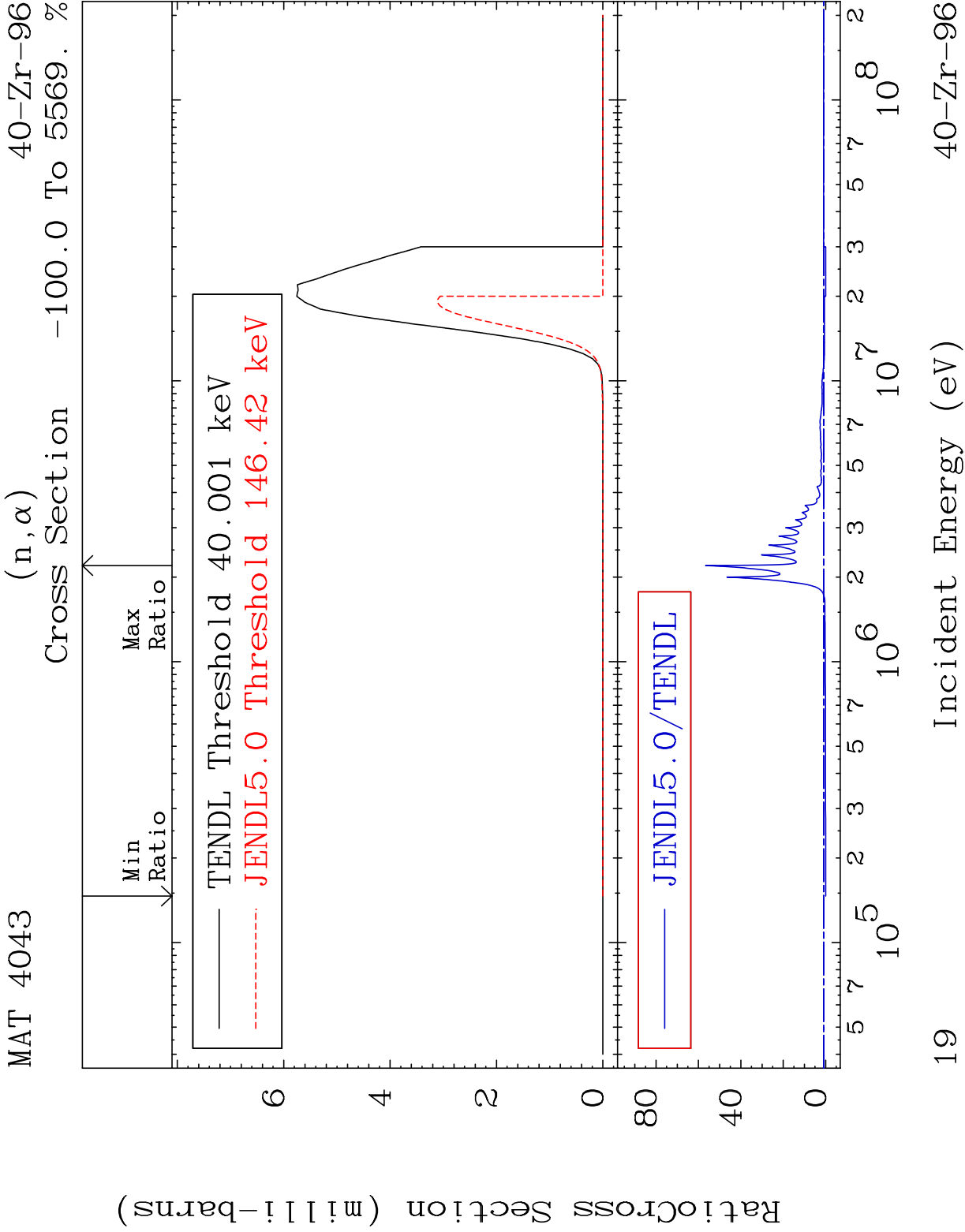


17 Incident Energy (eV) 40-Zr-96

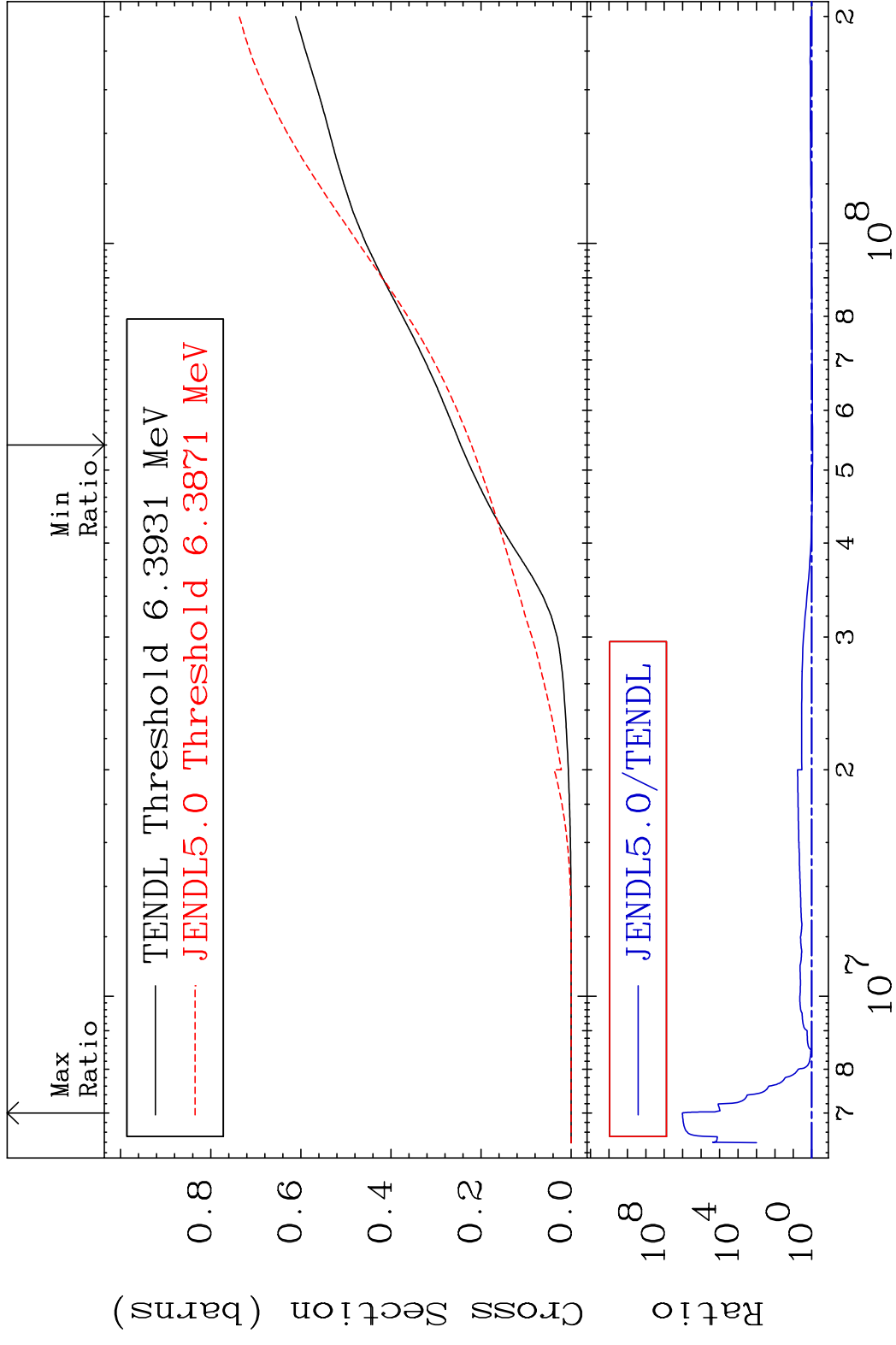
MAT 4043 (n, t) 40-Zr-96
 Cross Section -100.0 To 9999. %



18 Incident Energy (eV) 40-Zr-96

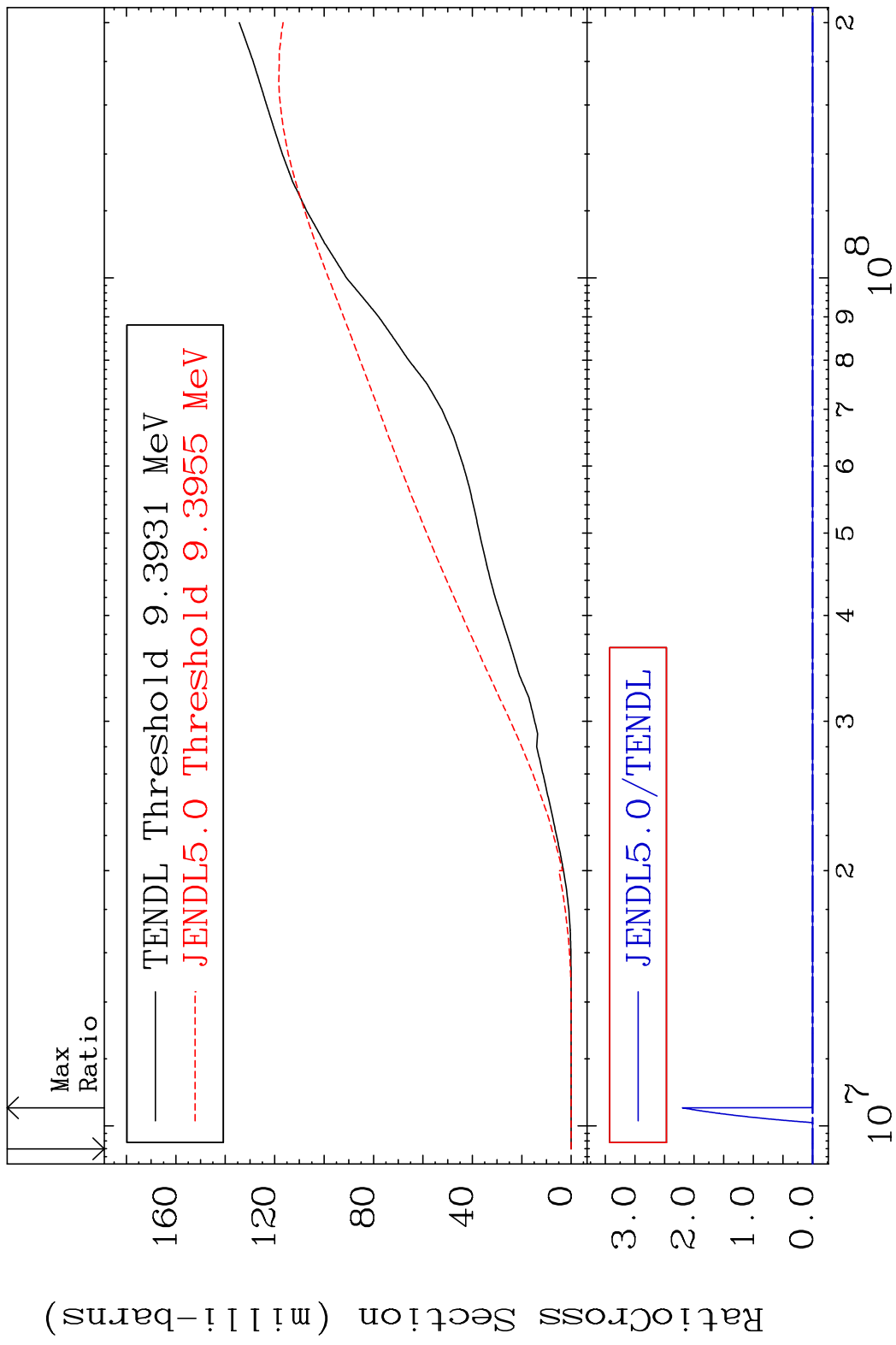


MAT 4043 Hydrogen Production 40-Zr-96
 Cross Section -9.663 To 9999. %



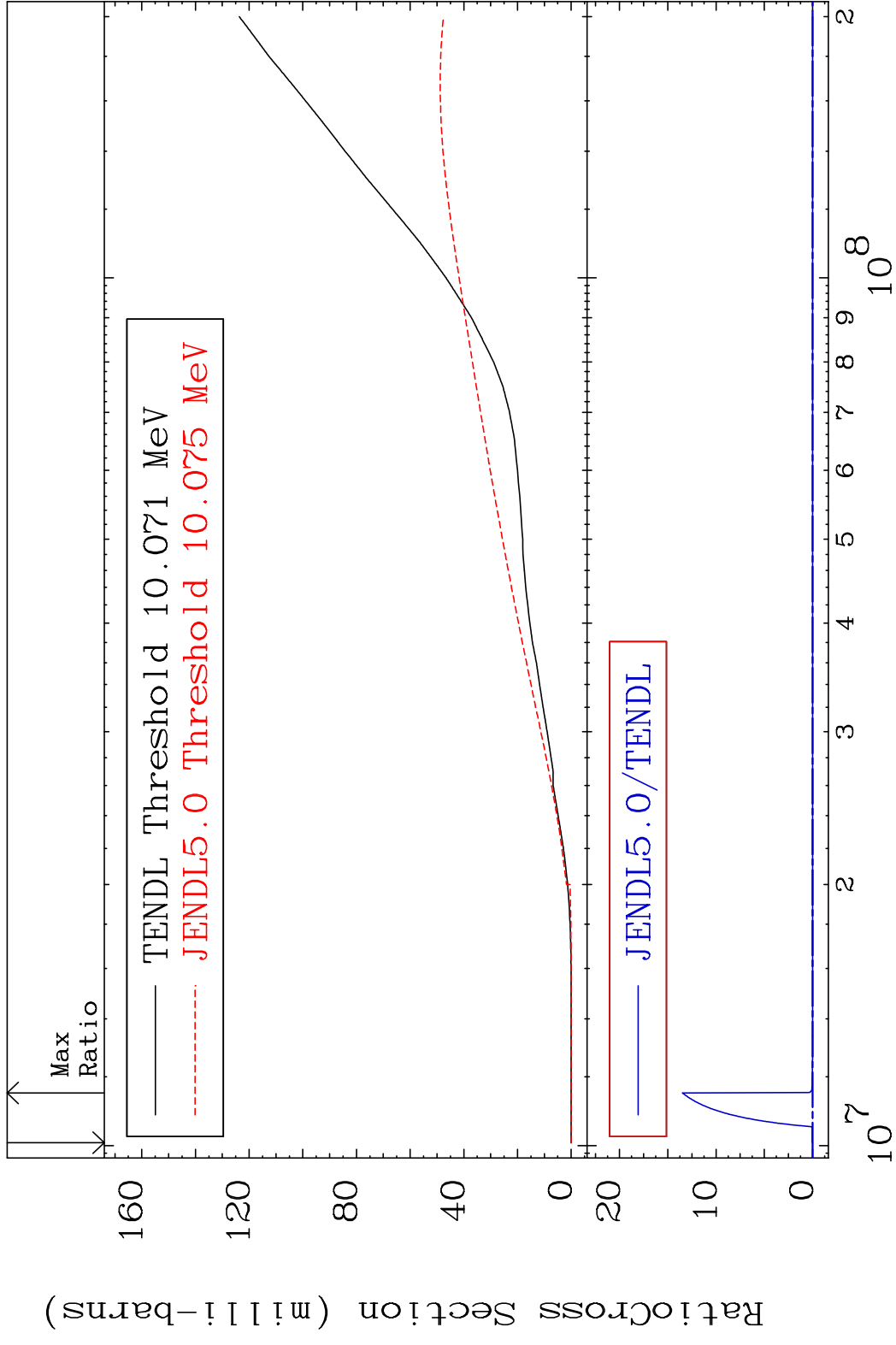
20 40-Zr-96

MAT 4043 Deuterium Production 40-Zr-96
 Cross Section -100.0 To 9999. %



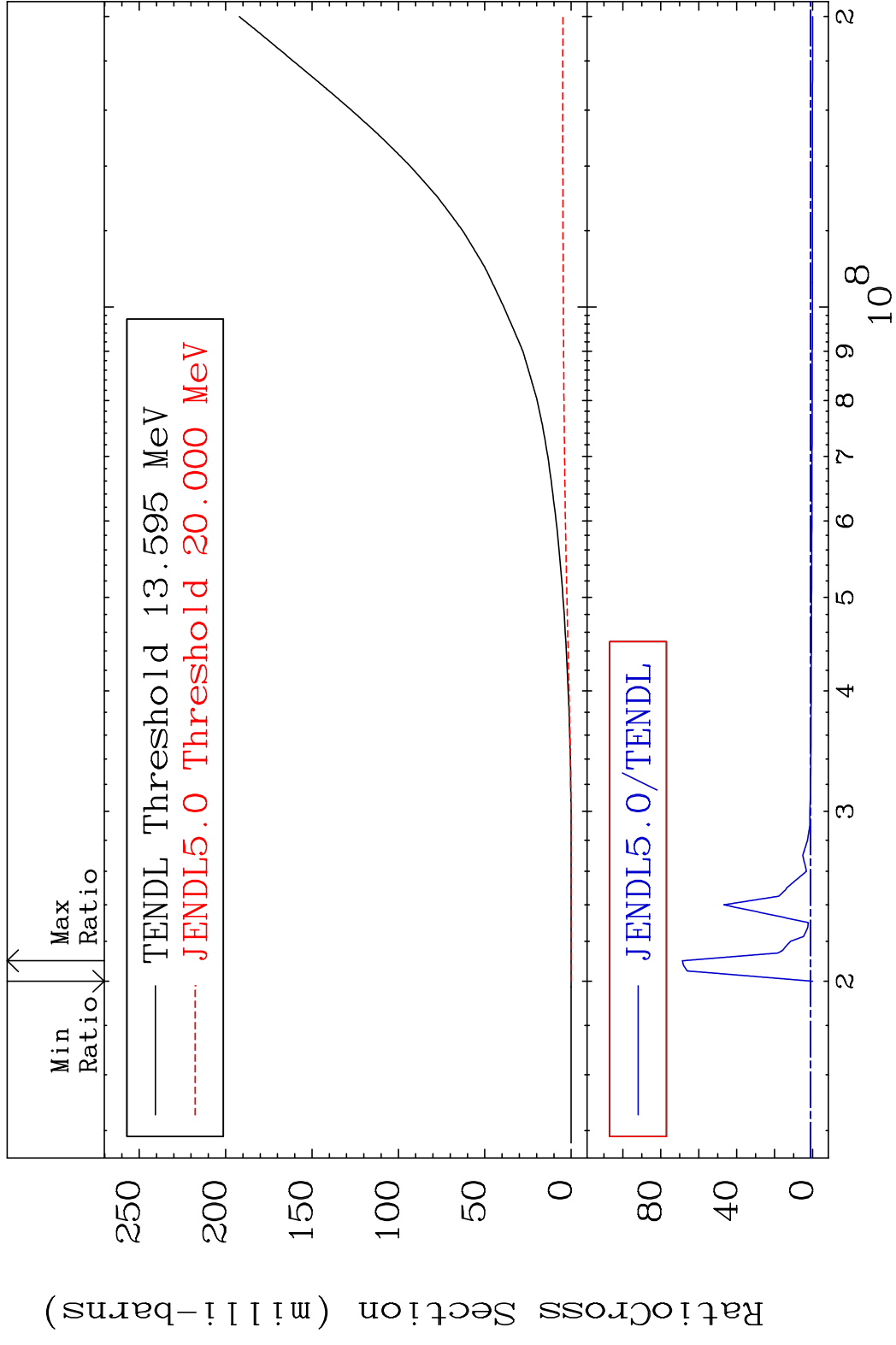
21 Incident Energy (eV) 40-Zr-96

MAT 4043 Tritium Production 40-Zr-96
 Cross Section -100.0 To 9999. %



22 40-Zr-96

MAT 4043 He-3 Production 40-Zr-96
 Cross Section -100.0 To 6763. %

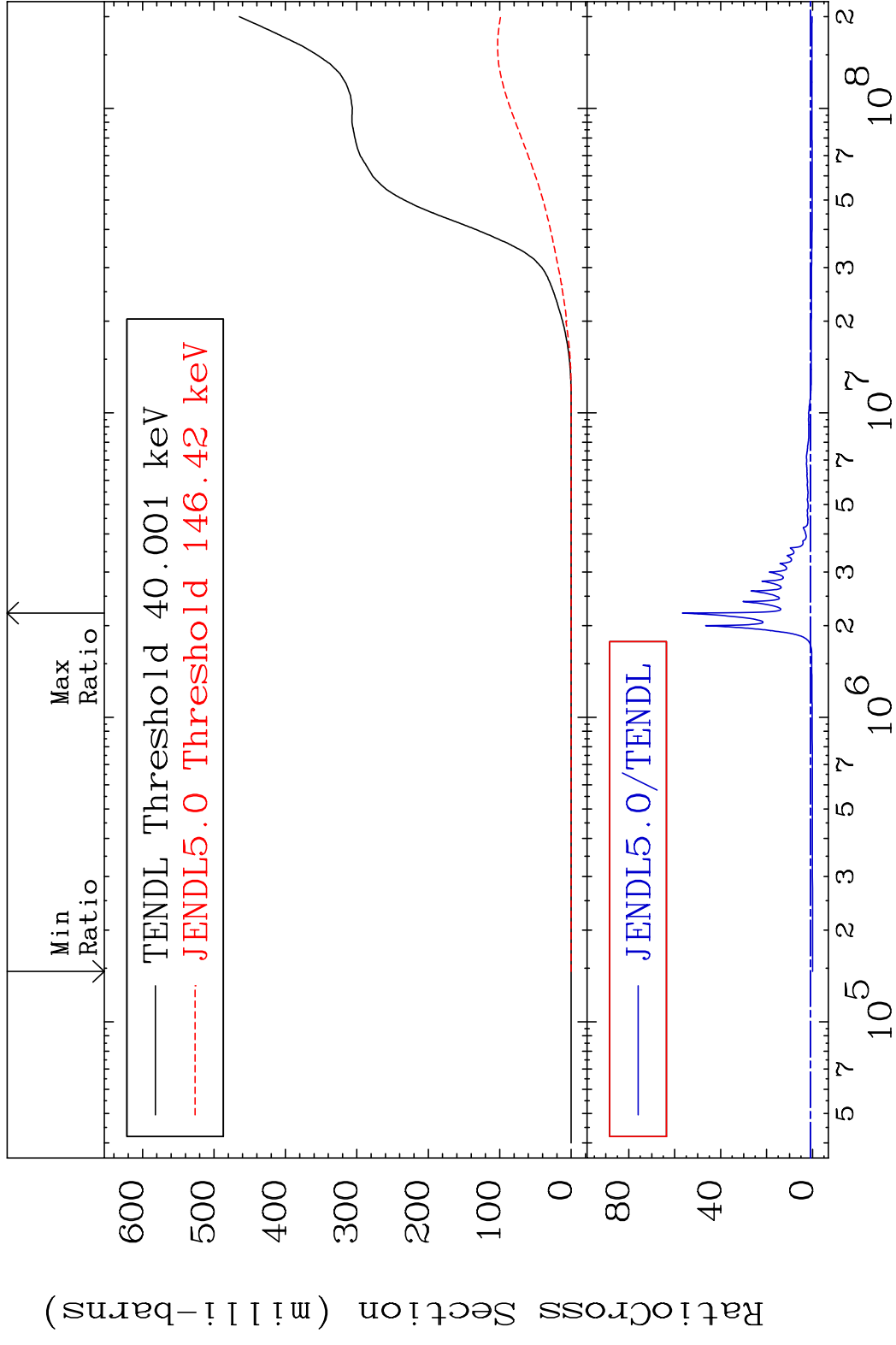


MAT 4043

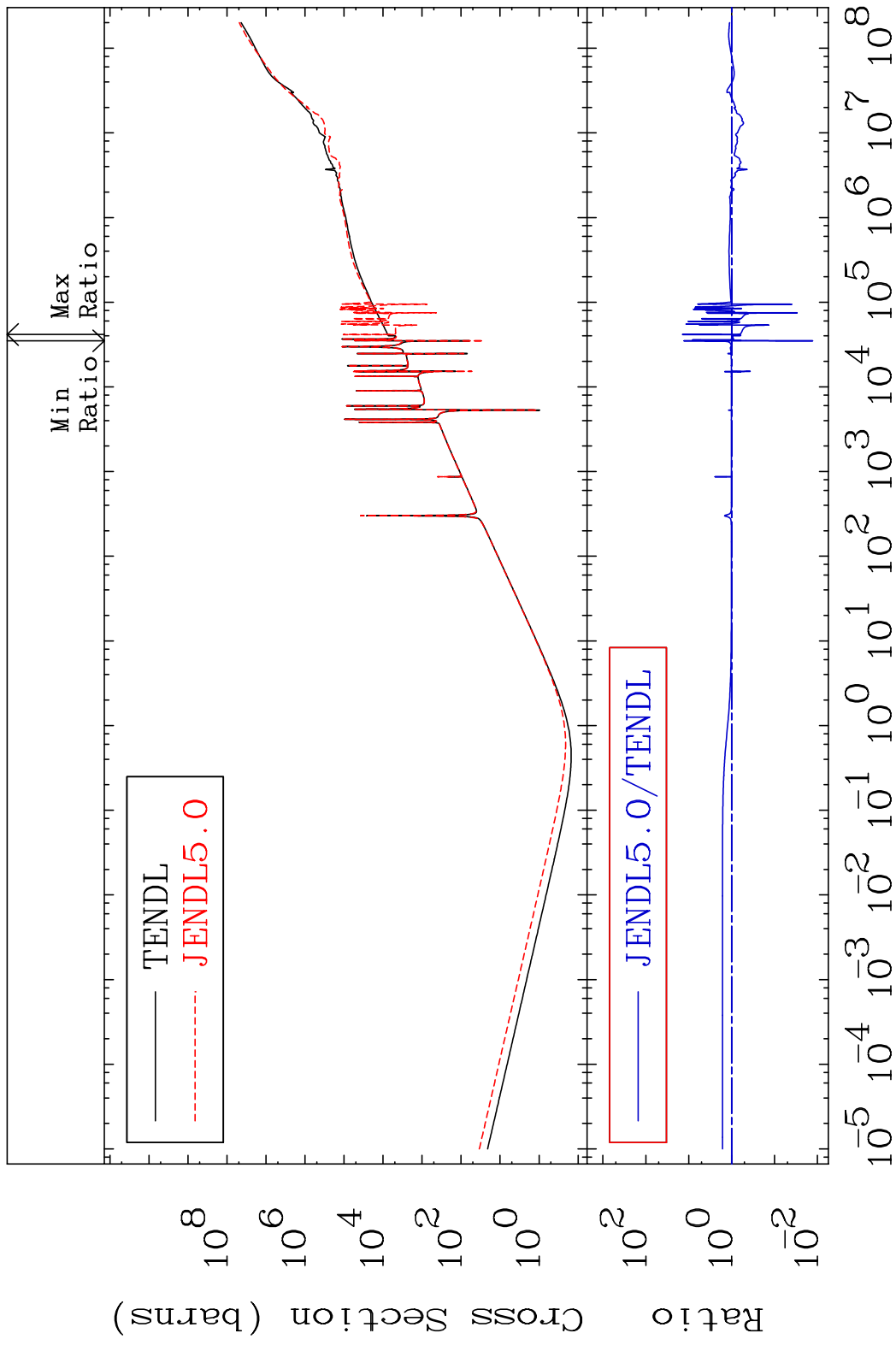
He-4 Production

40-Zr-96

Cross Section -100.0 To 5569. %



MAT 4043 Kerma total (eV-barns) 40-Zr-96
 Cross Section -98.70 To 1306. %

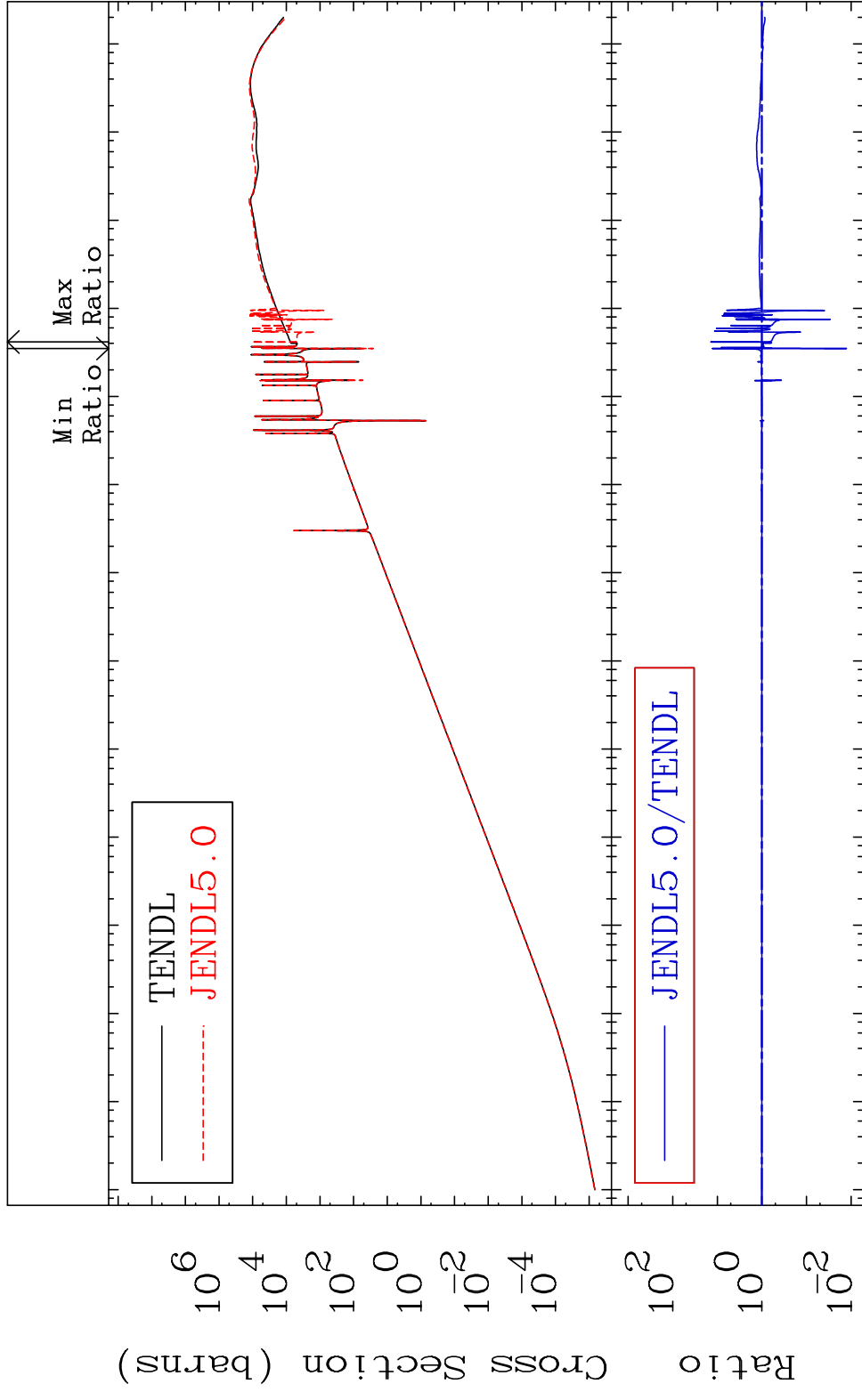


25 Incident Energy (eV) 40-Zr-96

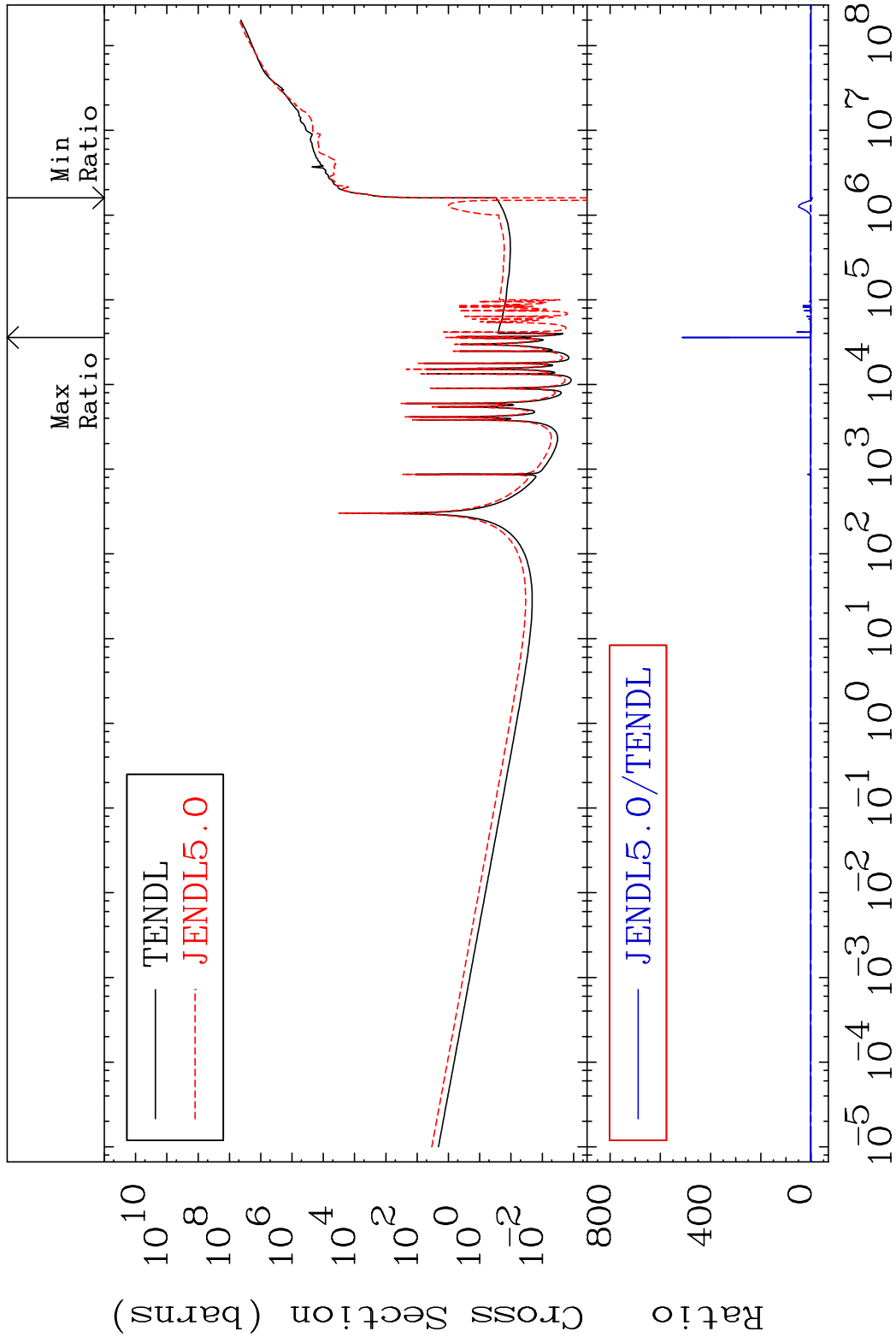
MAT 4043

Kerma elastic
Cross Section

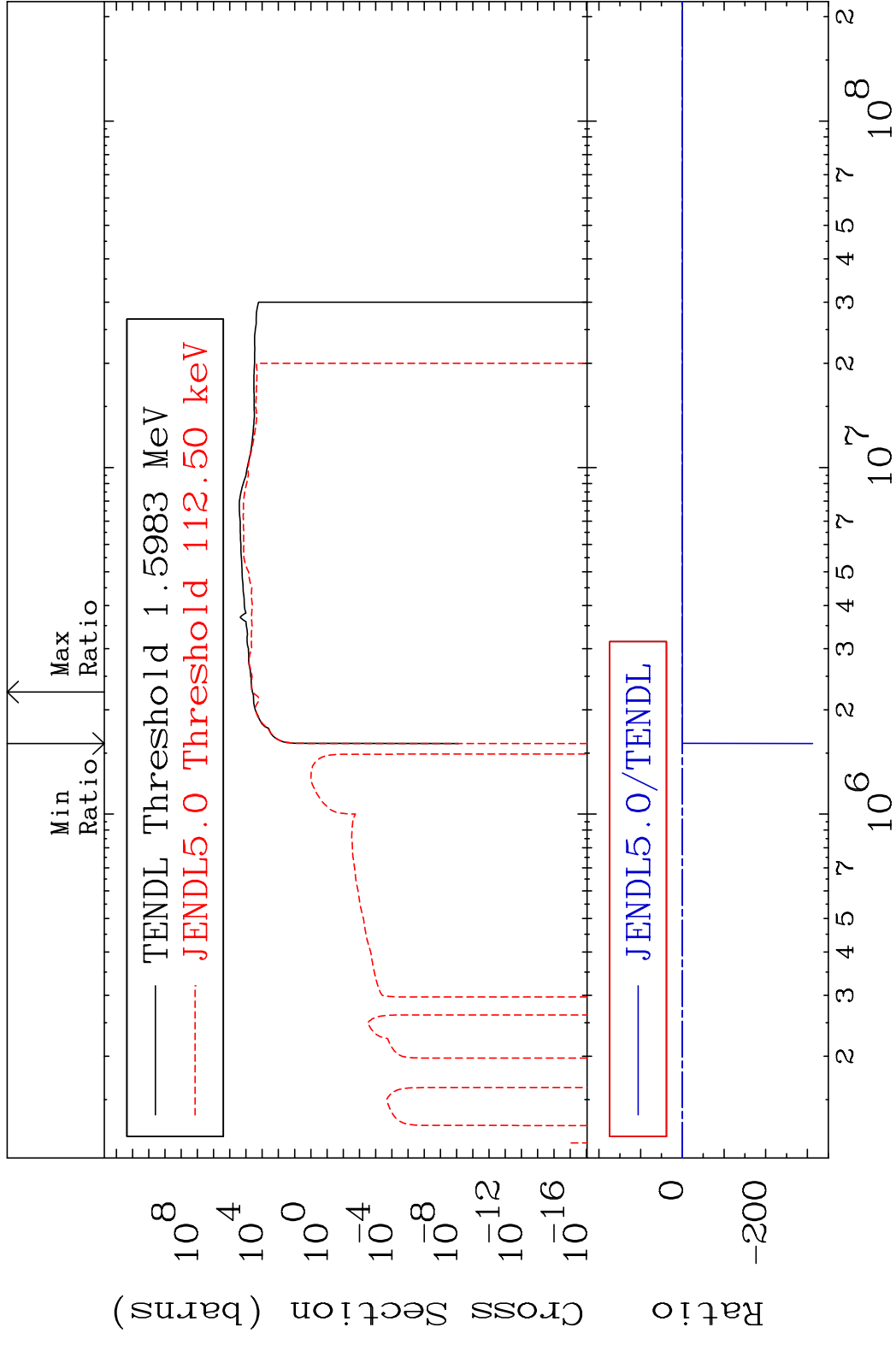
40-Zr-96
-98.72 To 1305. %



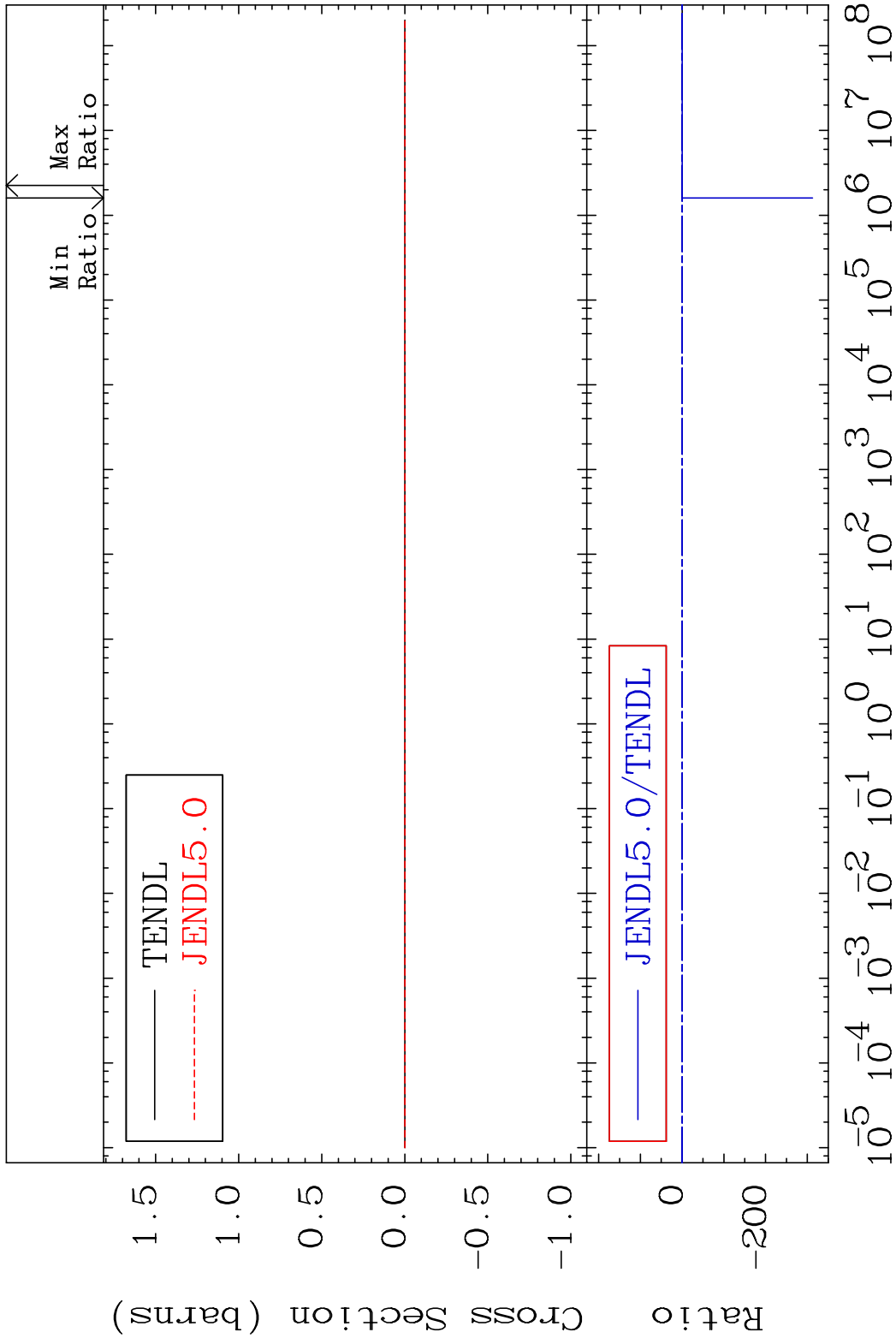
MAT 4043 Kerma non-elastic (all but mt2) 40-Zr-96
 Cross Section -730.8 To 9999. %



MAT 4043 Kerma inelastic (mt51-91) 40-Zr-96
 Cross Section -9999. To 13.99 %



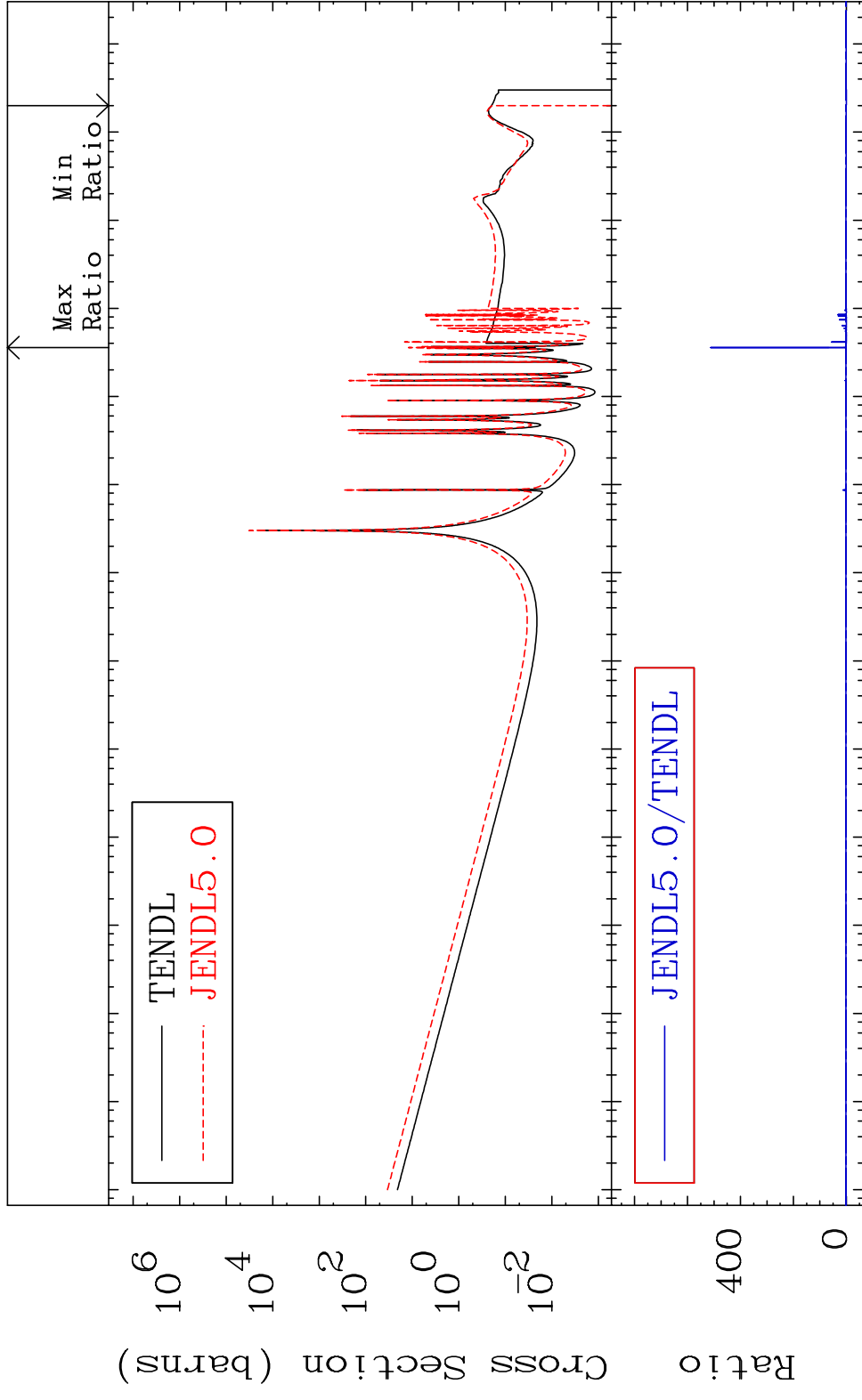
MAT 4043 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-96
 Cross Section -9999. To 13.99 %



MAT 4043

Kerma capture (mt102) 40-Zr-96

Cross Section -100.0 To 9999. %



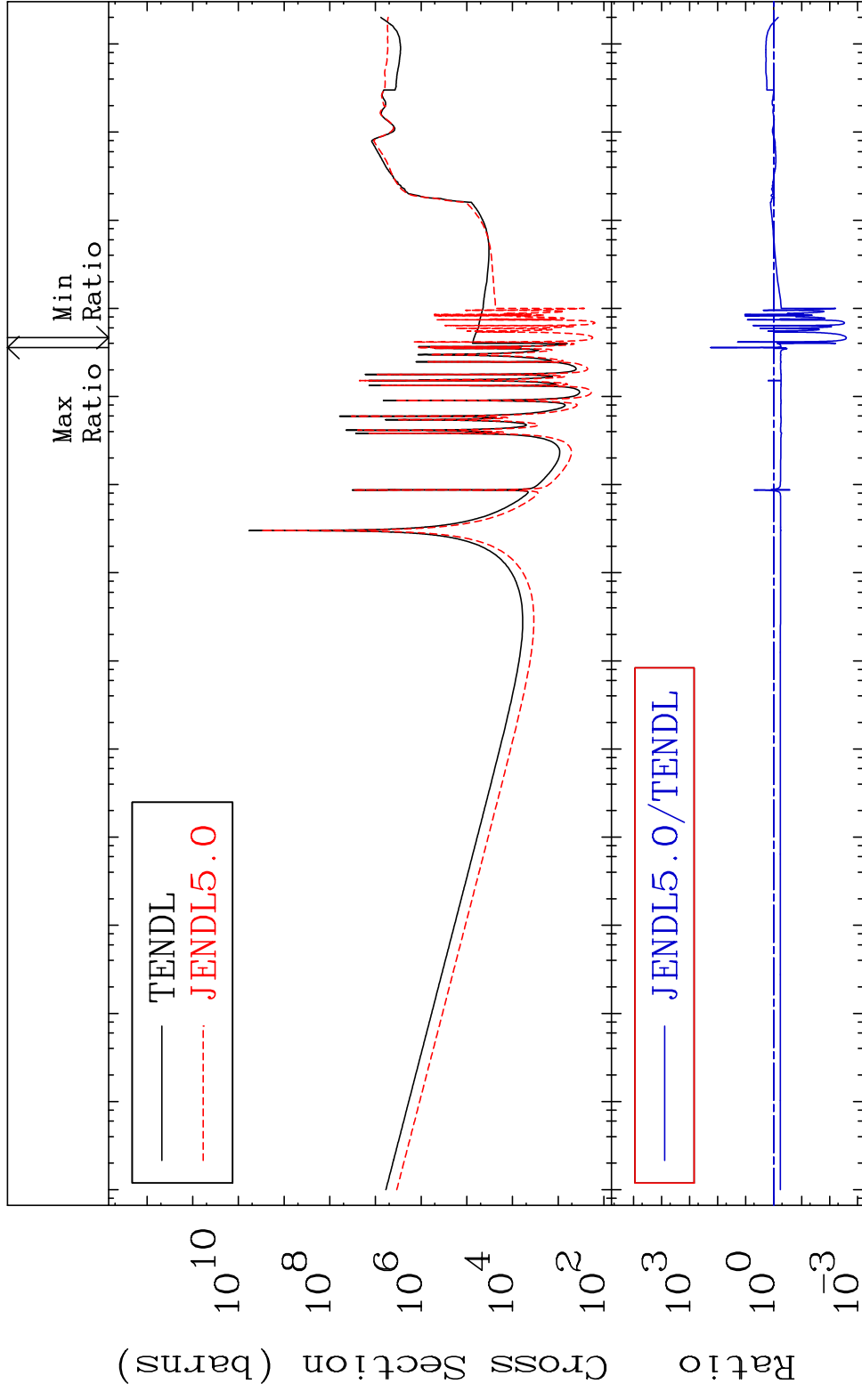
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

30

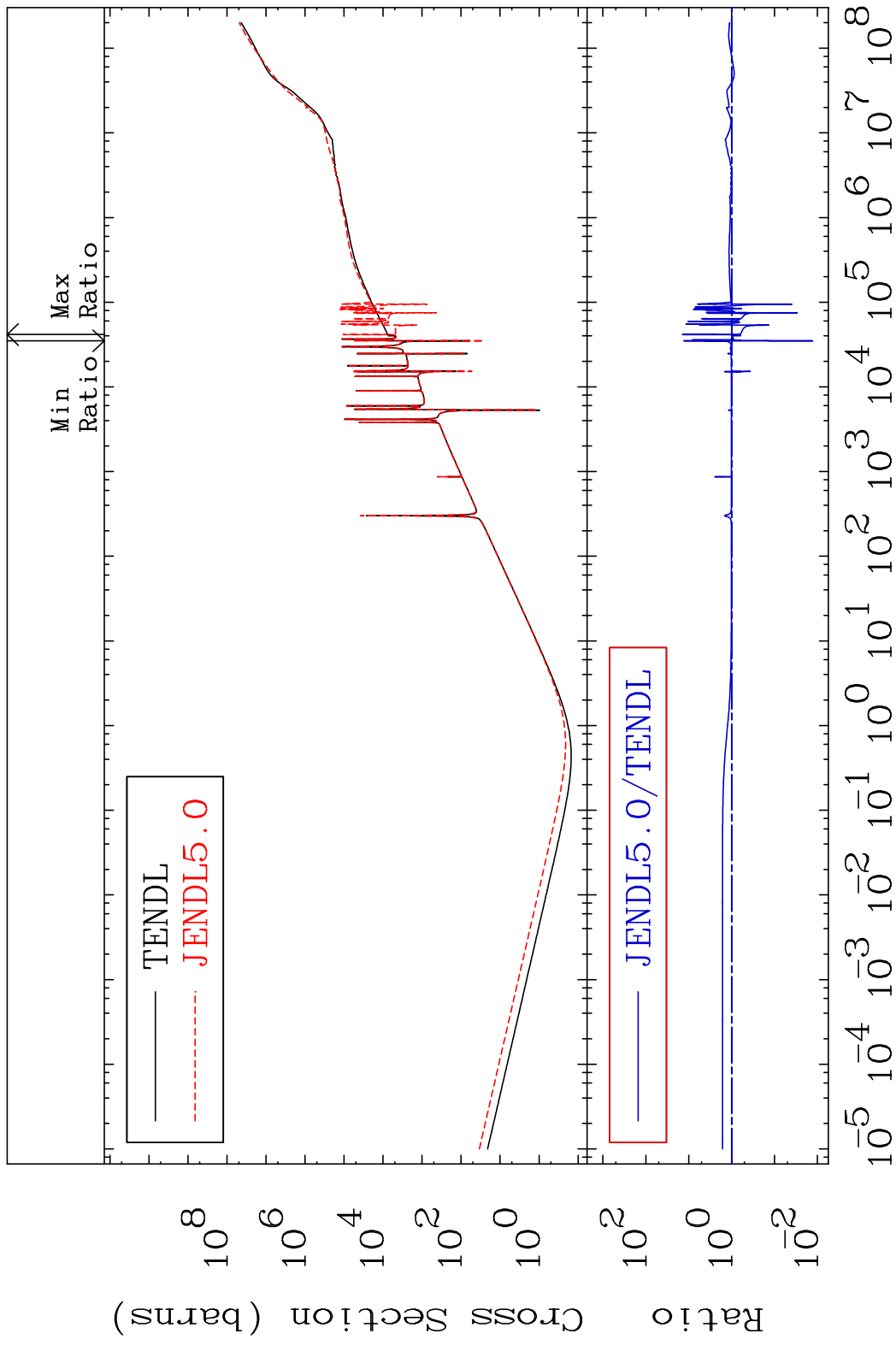
Incident Energy (eV)

40-Zr-96

MAT 4043 Total photon (eV-barns) 40-Zr-96
 Cross Section -99.75 To 9999. %

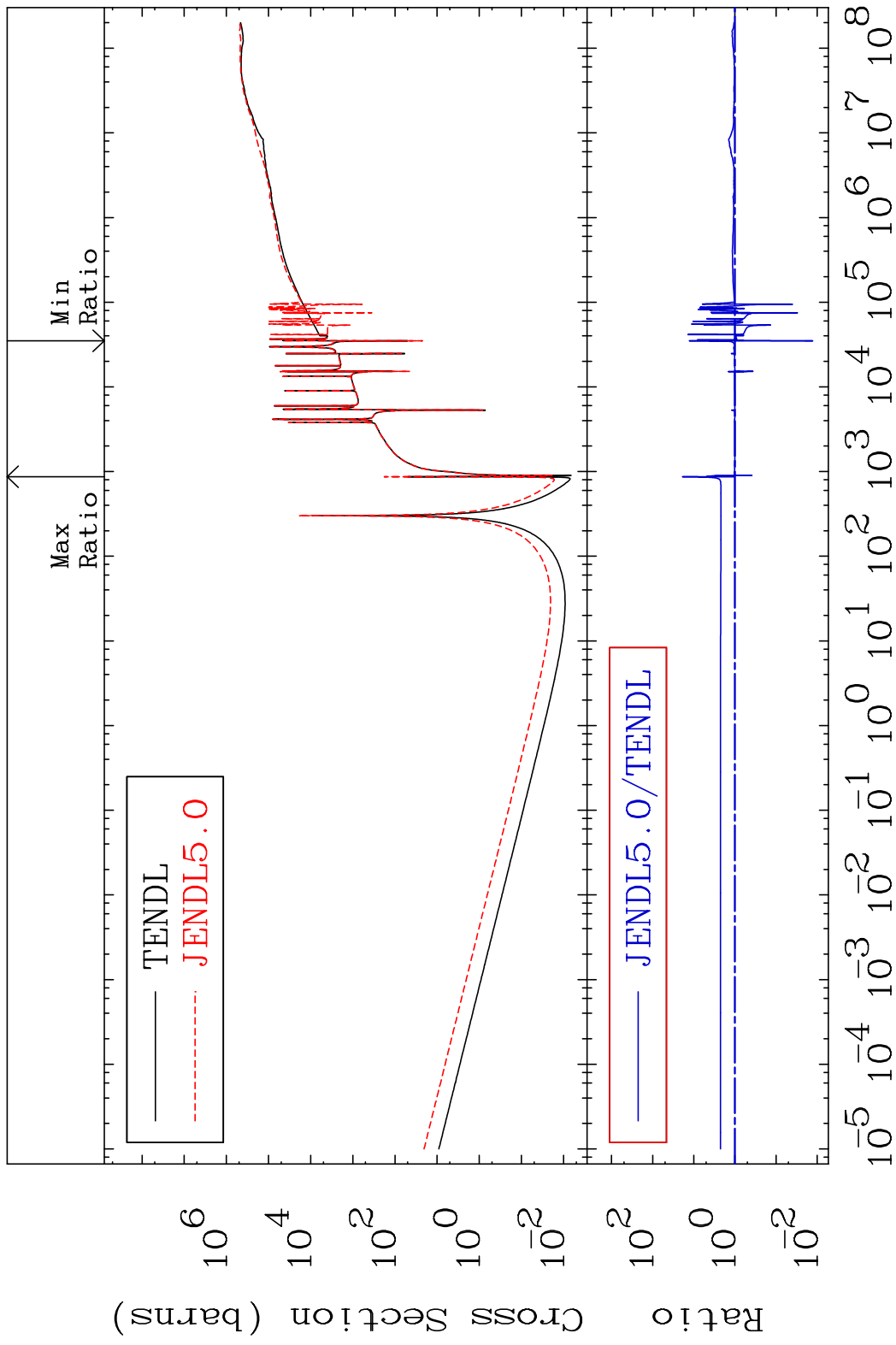


MAT 4043 Total kinematic kerma (high limit) 40-Zr-96
 Cross Section -98.70 To 1306. %



32 Incident Energy (eV) 40-Zr-96

MAT 4043 Dpa total (eV-barns) 40-Zr-96
 Cross Section -98.71 To 1797. %



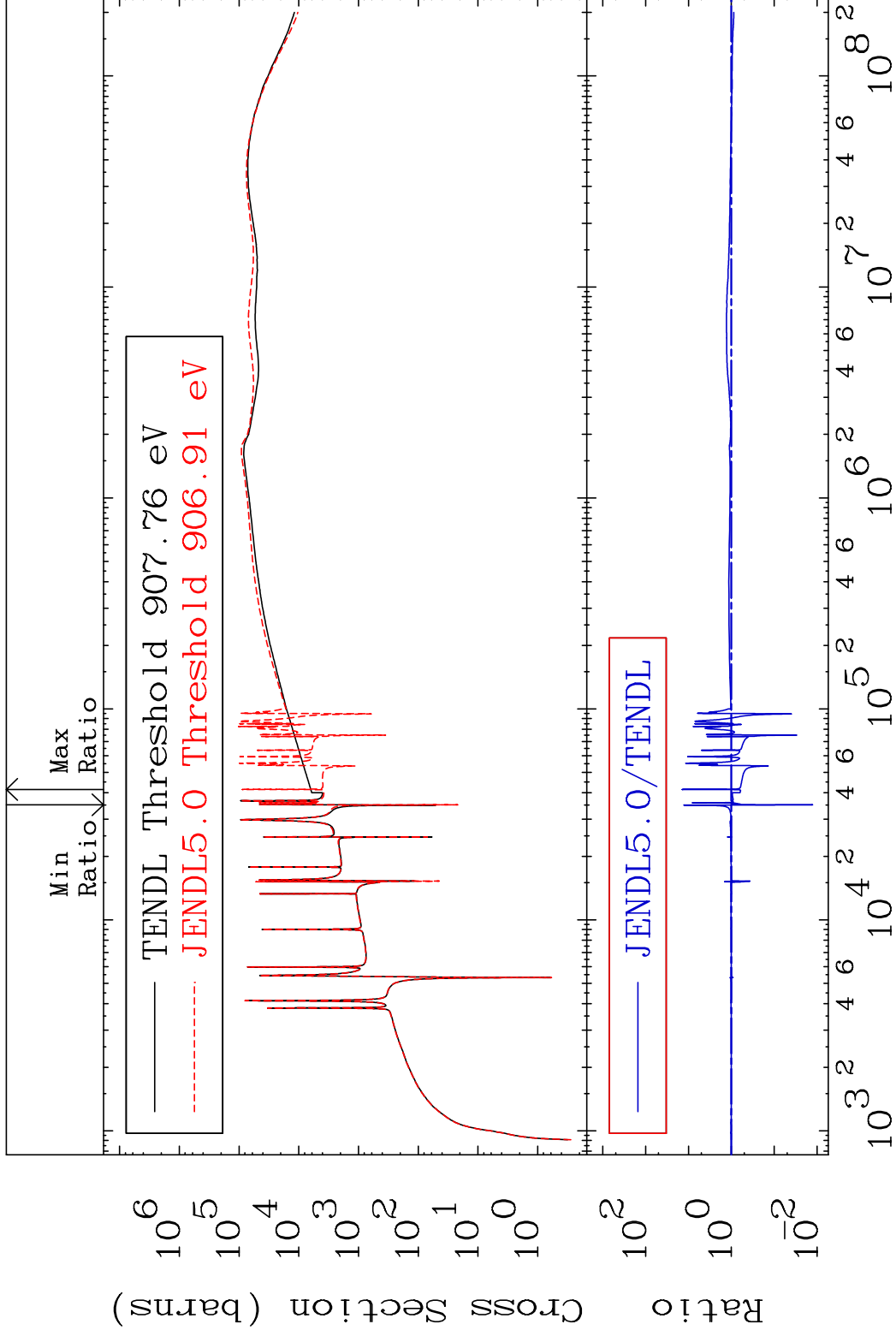
33 Incident Energy (eV) 40-Zr-96

MAT 4043

Dpa elastic (mt2)

40-Zr-96

Cross Section -98.72 To 1306. %

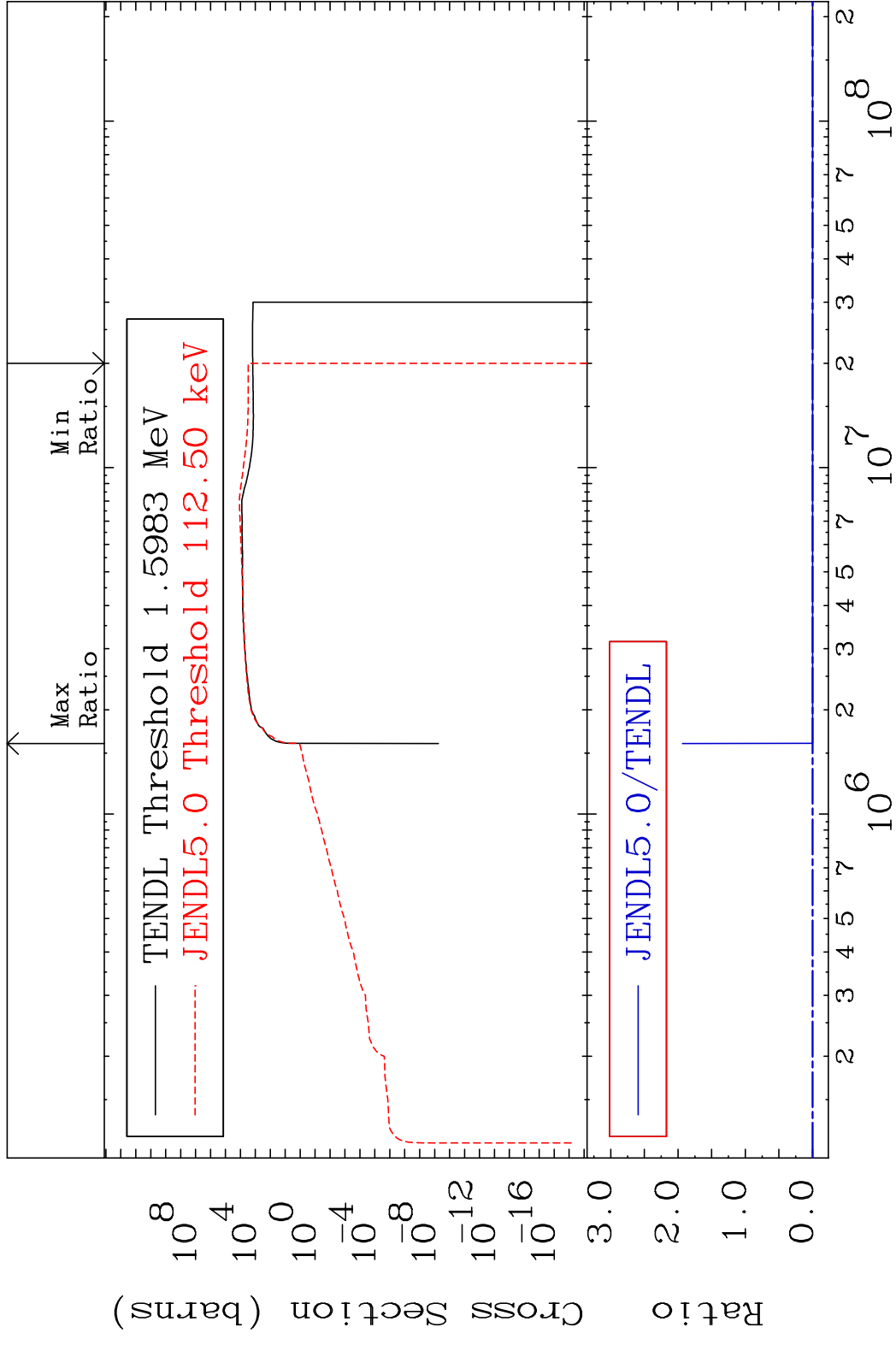


34

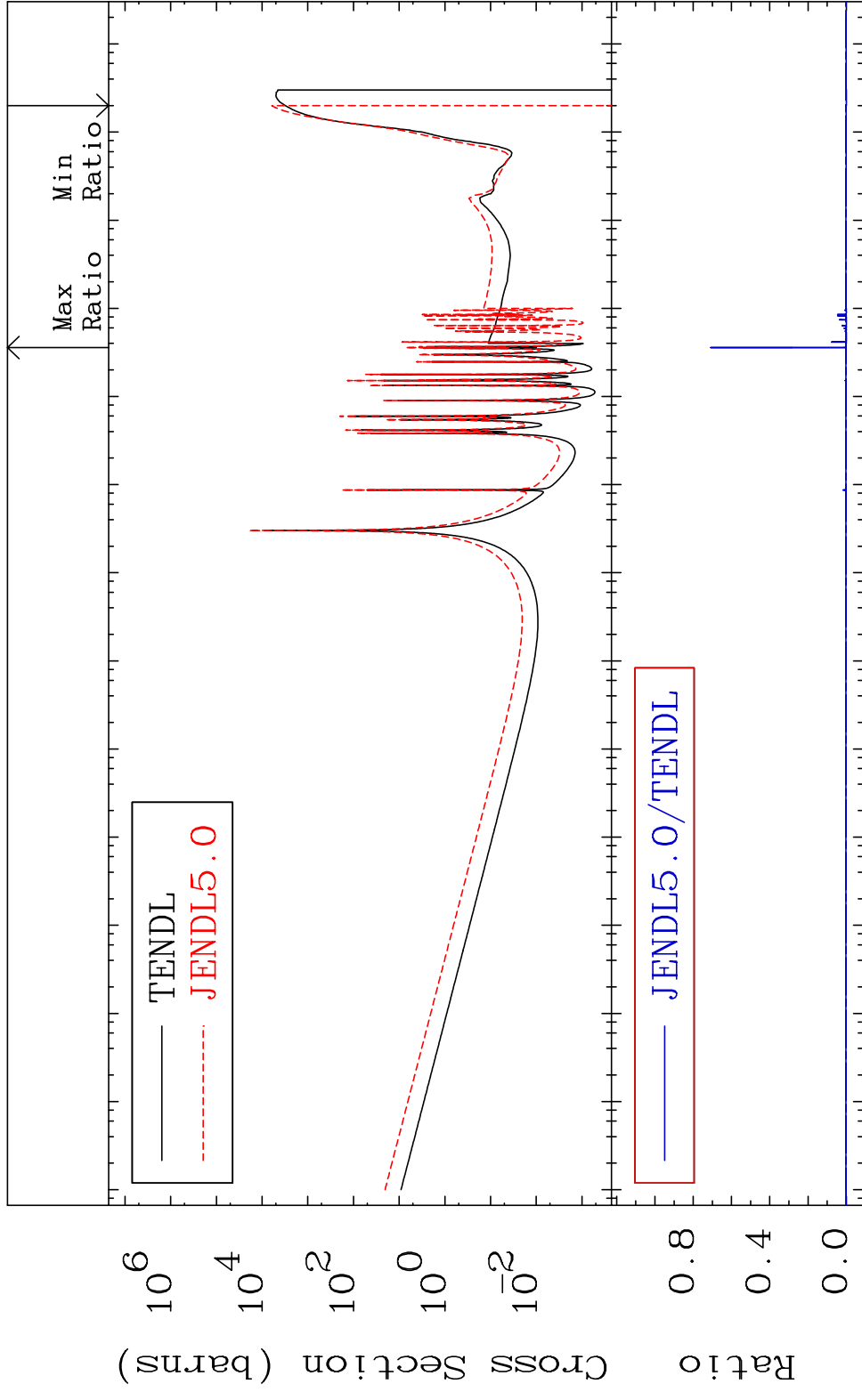
Incident Energy (eV)

40-Zr-96

MAT 4043 Dpa inelastic (mt51-91) 40-Zr-96
 Cross Section -100.0 To 9999. %

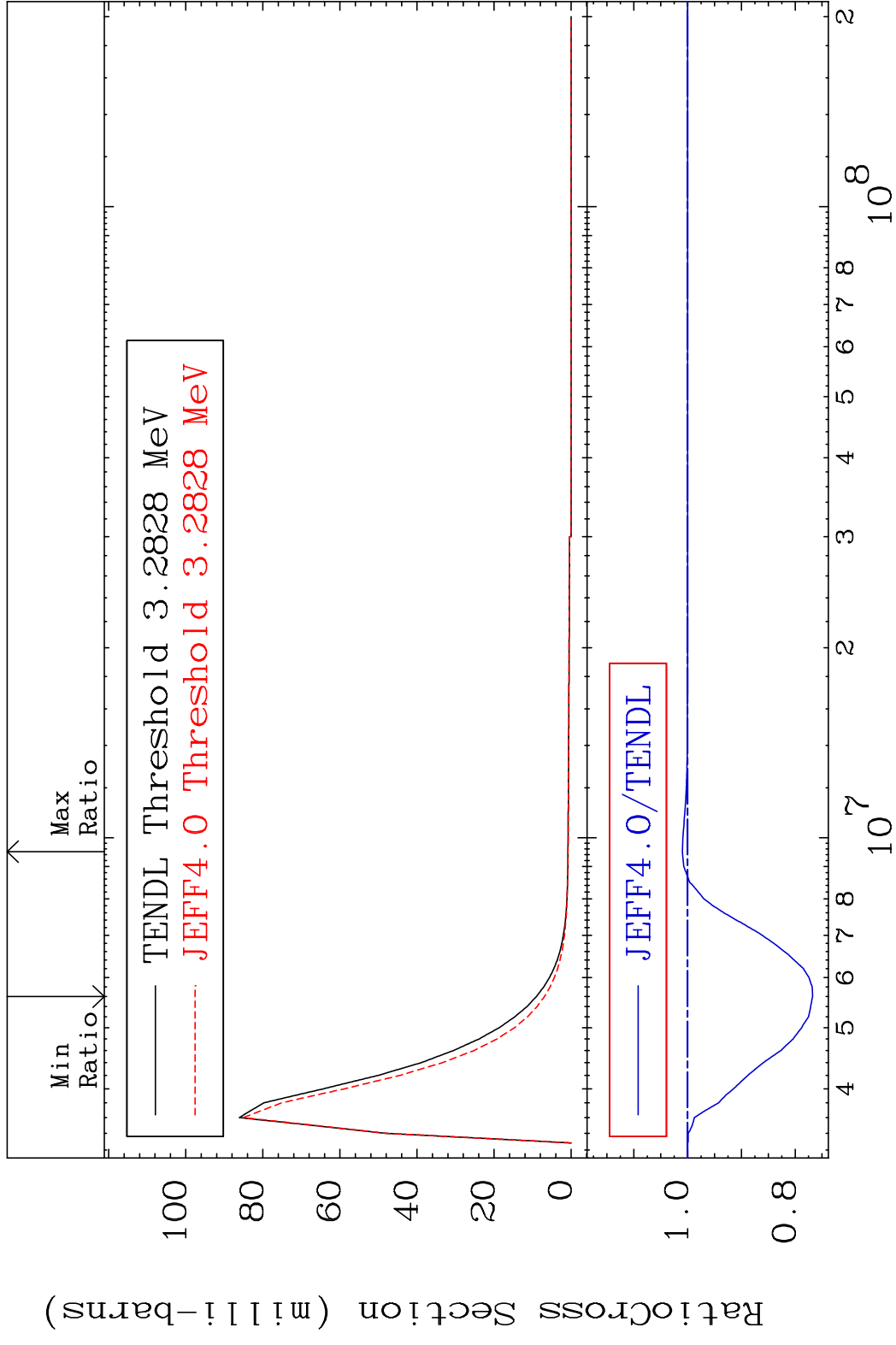


MAT 4043 Dpa disappearance (mt102 -120) 40-Zr-96
 Cross Section -100.0 To 9999. %



36 Incident Energy (eV) 40-Zr-96

MAT 4043 MT= 69 (n, n') Level 40-Zr-96
 Cross Section -23.23 To 0.965 %

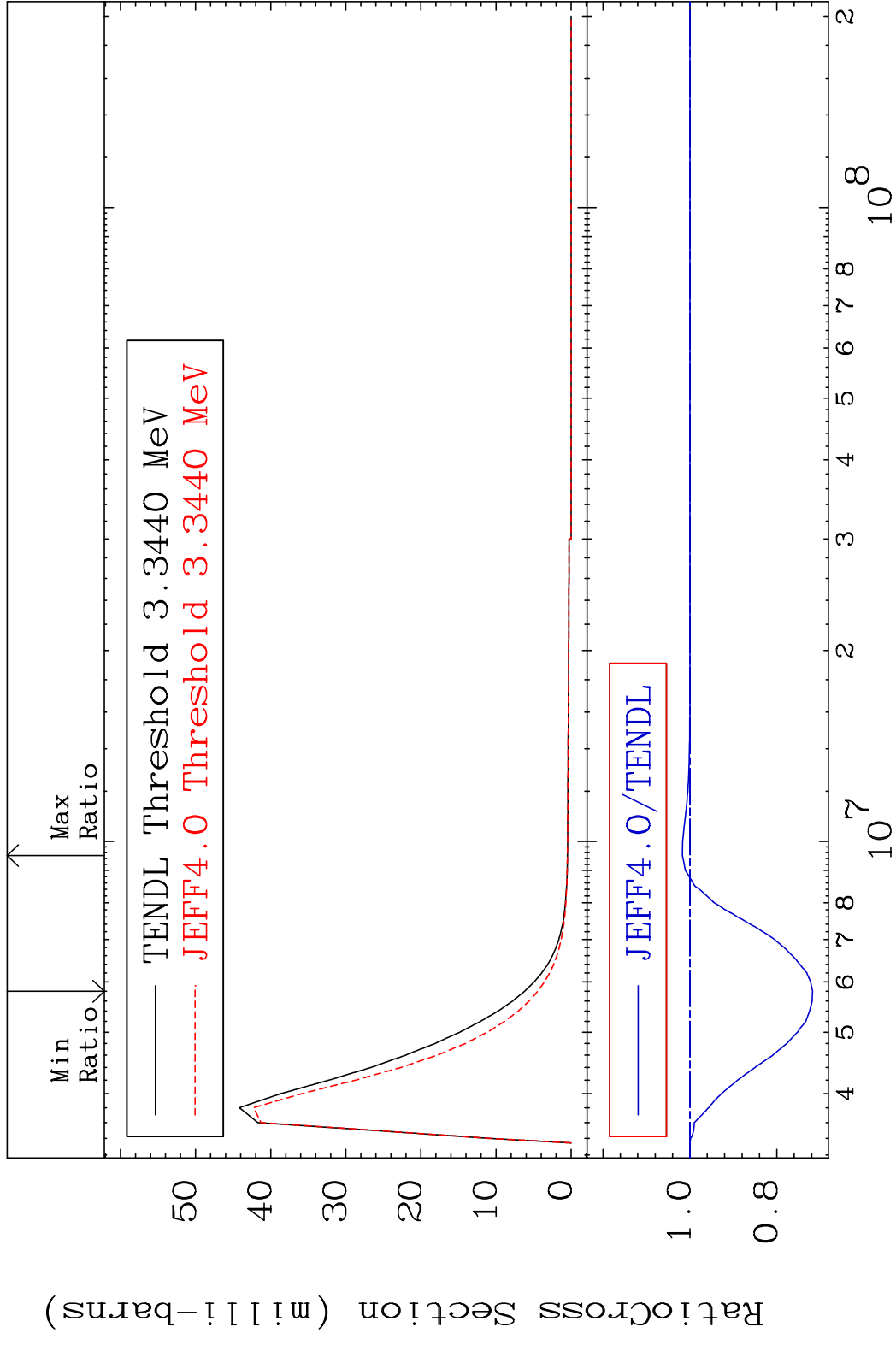


MAT 4043

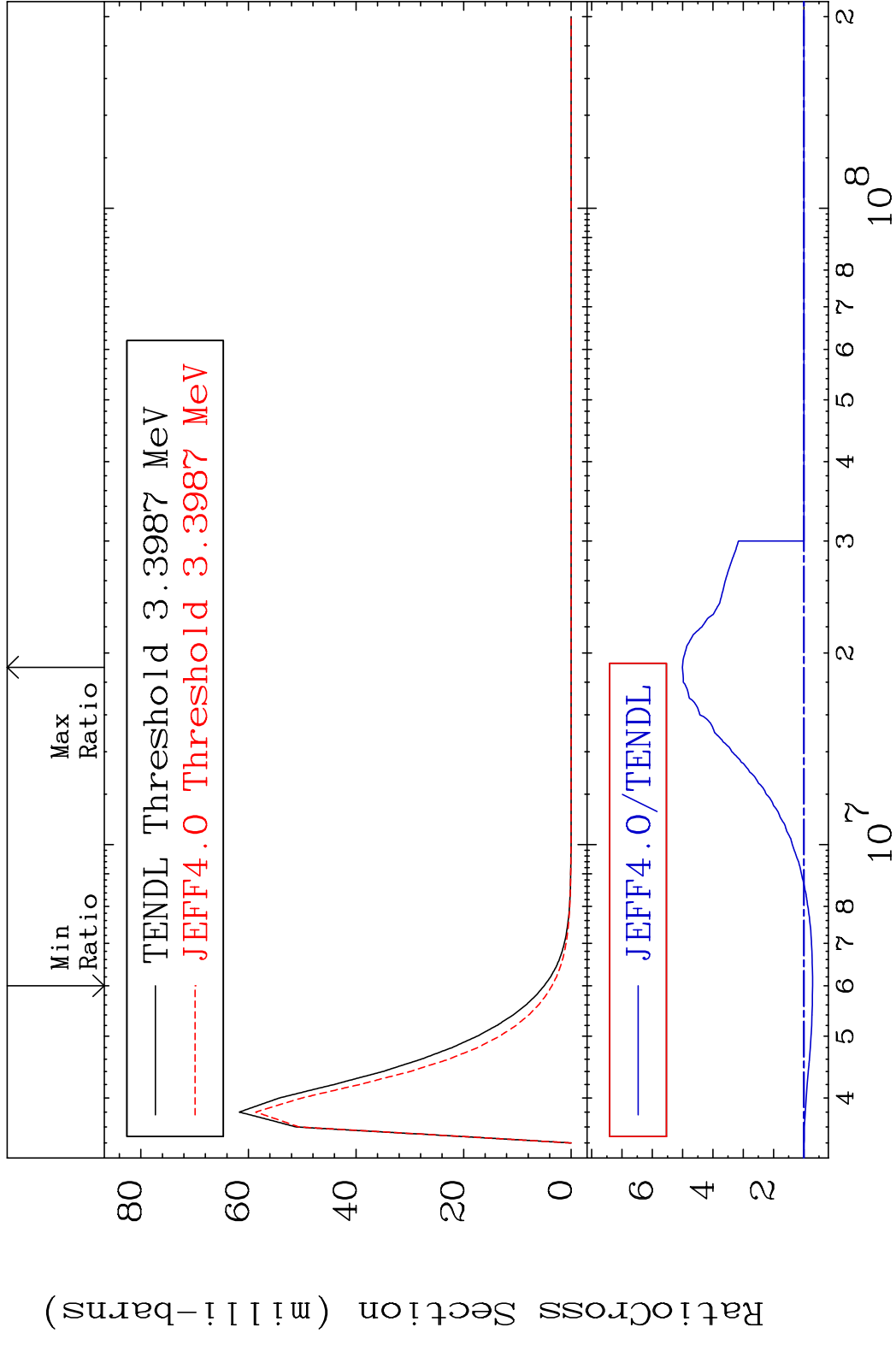
MT= 70 (n, n') Level

40-Zr-96

Cross Section -28.22 To 1.742 %



MAT 4043 MT= 71 (n, n') Level 40-Zr-96
 Cross Section -28.62 To 400.9 %

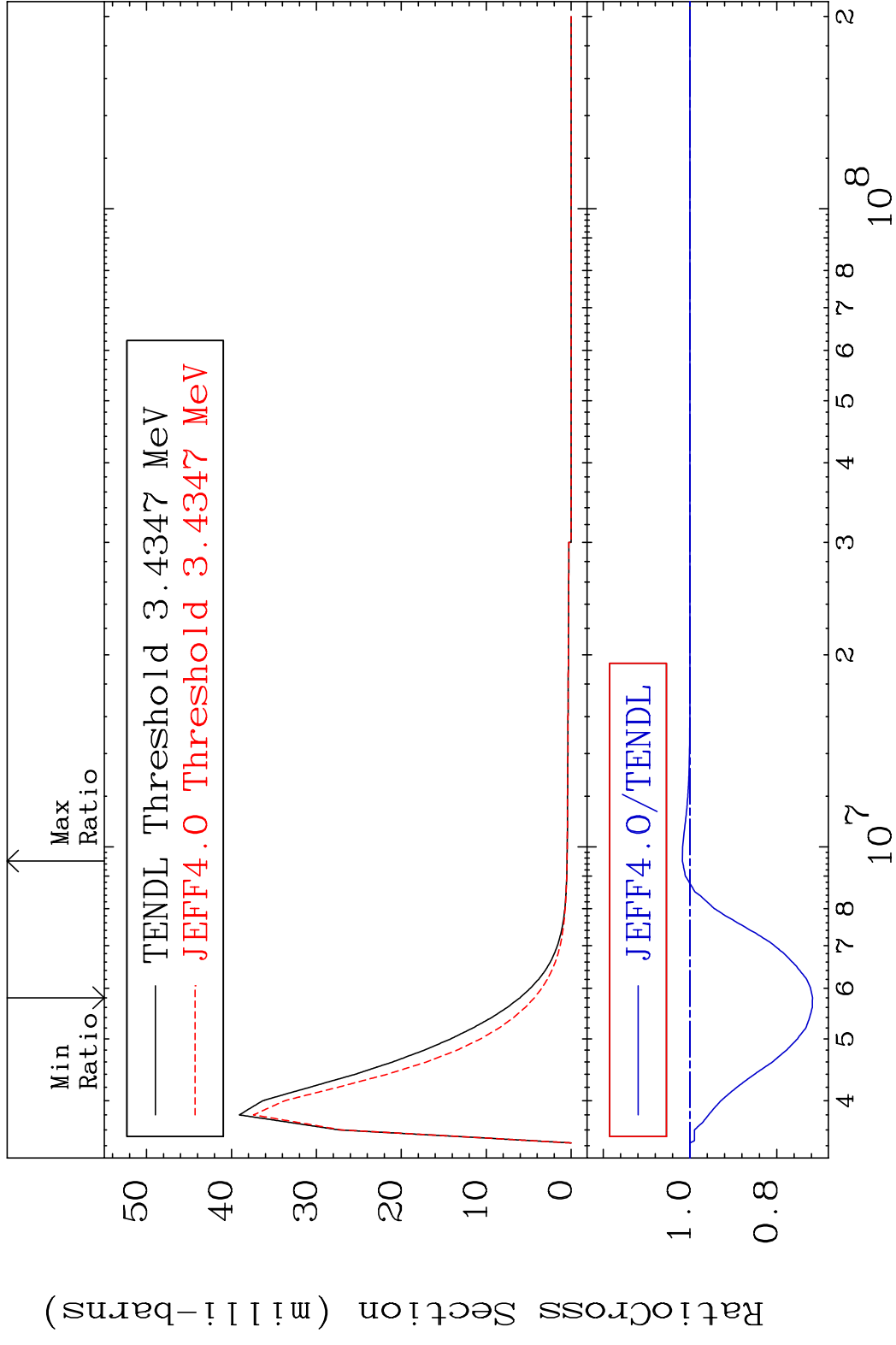


MAT 4043

MT= 72 (n, n') Level

40-Zr-96

Cross Section -28.26 To 1.749 %

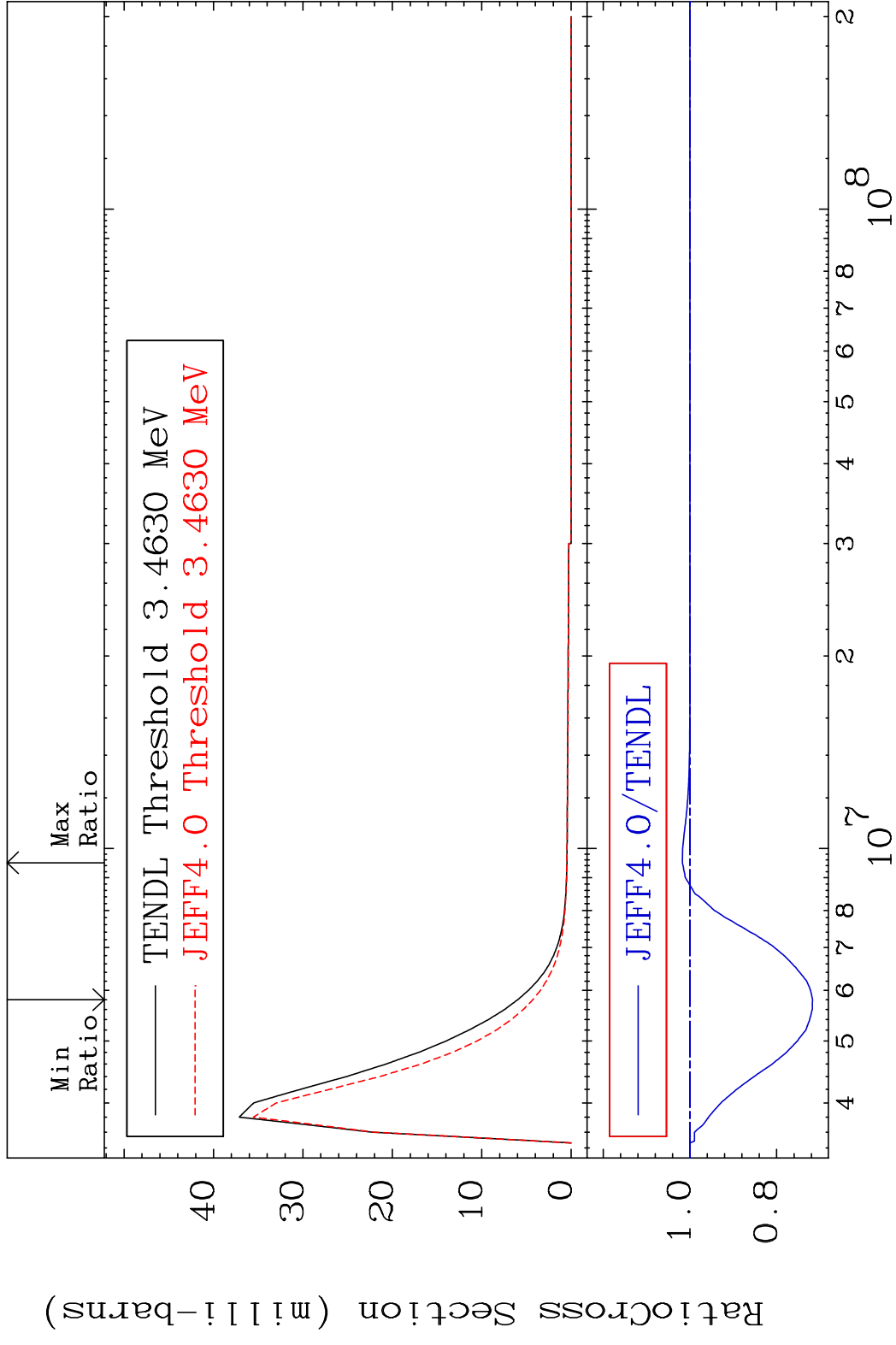


40

Incident Energy (eV)

40-Zr-96

MAT 4043 MT= 73 (n, n') Level 40-Zr-96
 Cross Section -28.27 To 1.751 %

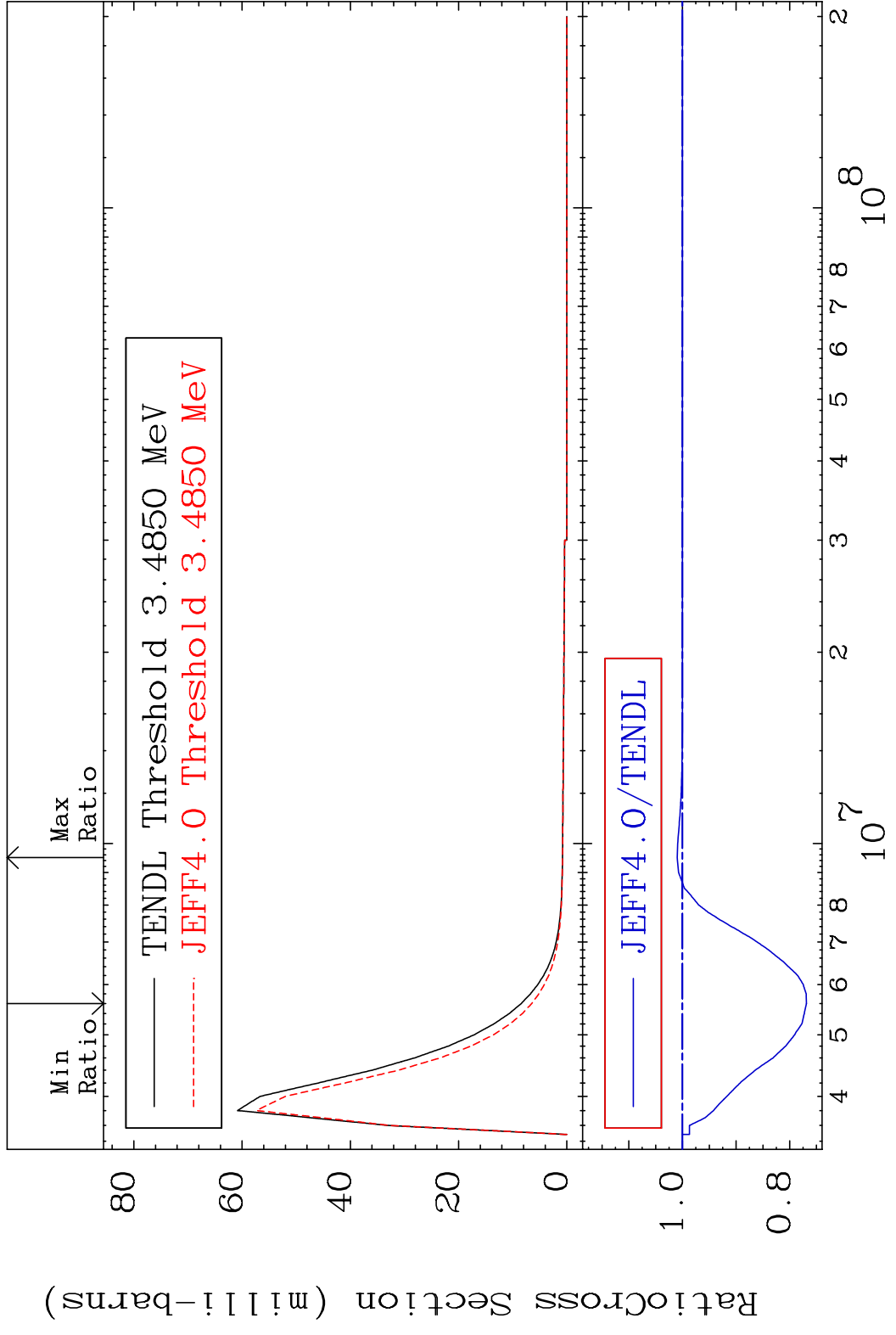


MAT 4043

MT= 74 (n, n') Level

40-Zr-96

Cross Section -23.11 To 0.980 %

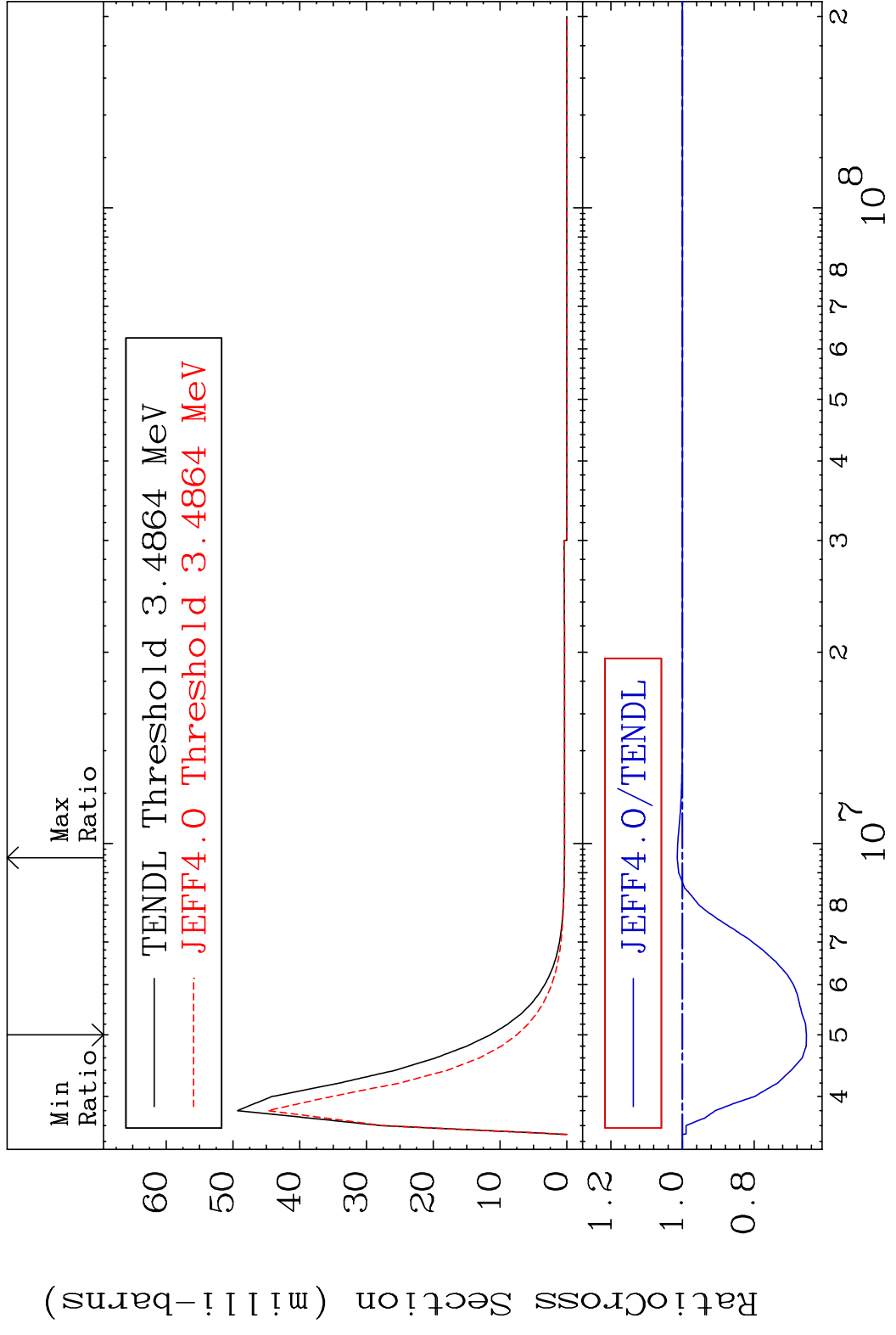


42

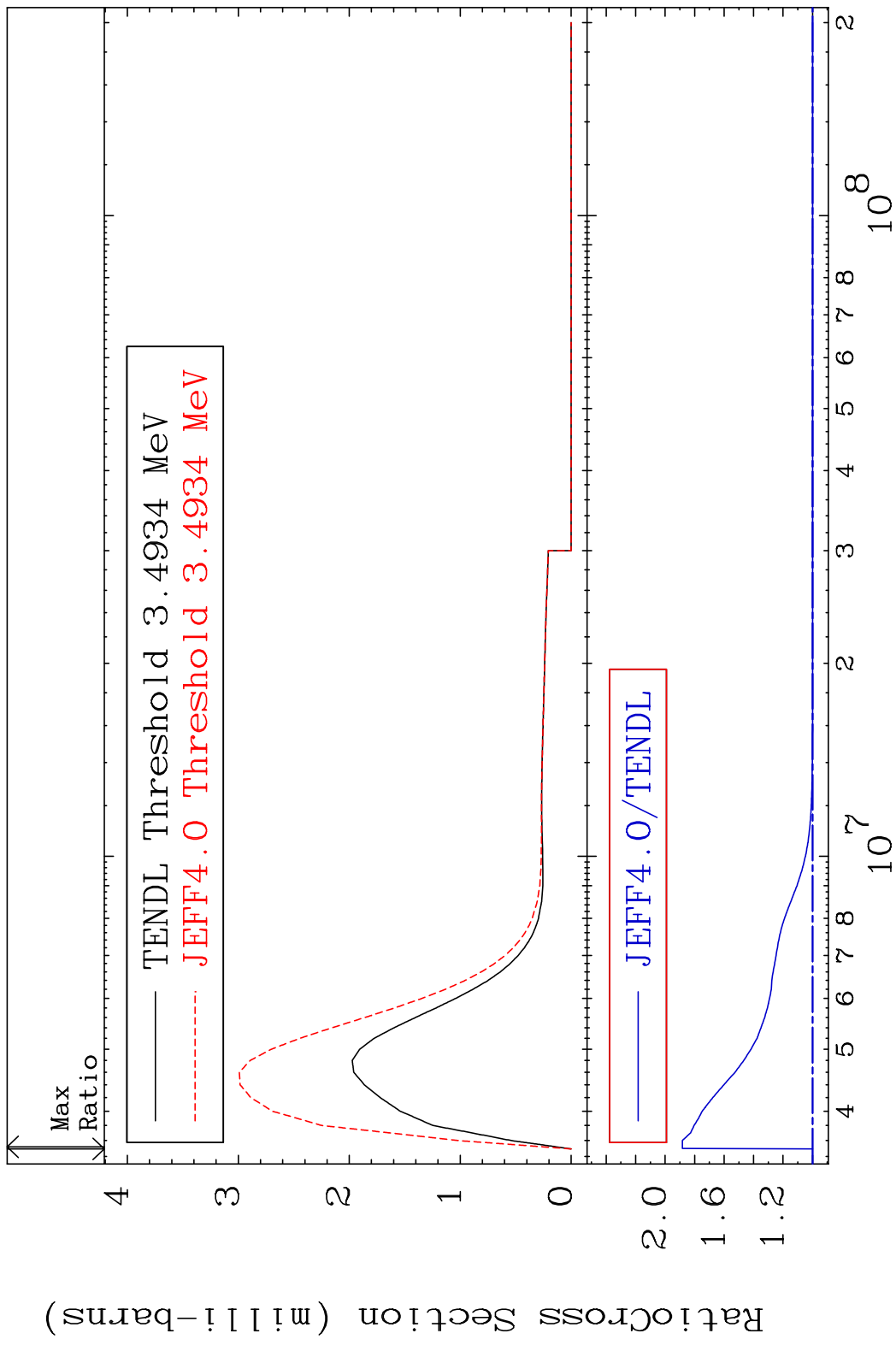
Incident Energy (eV)

40-Zr-96

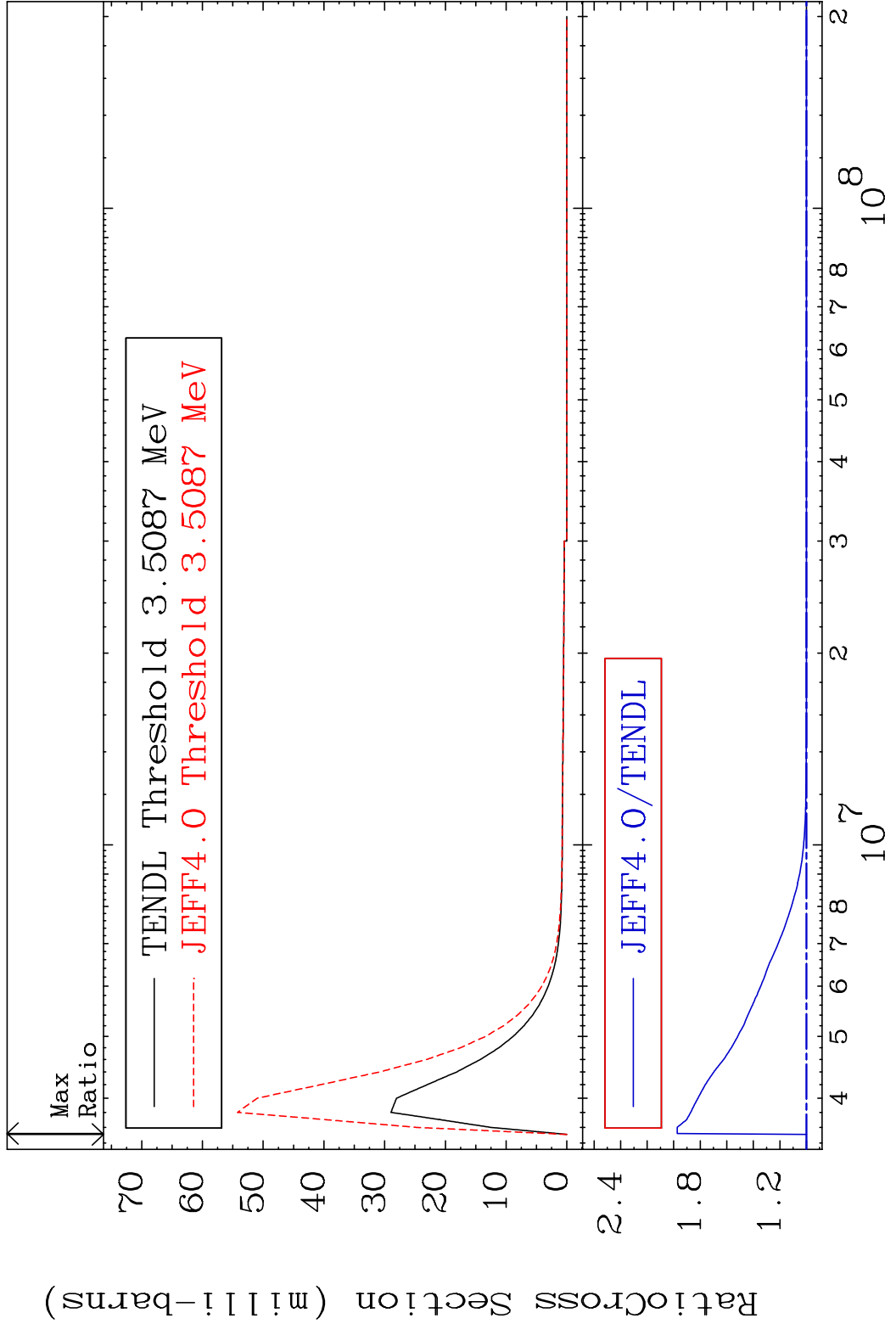
MAT 4043 MT= 75 (n,n') Level 40-Zr-96
 Cross Section -34.61 To 1.468 %



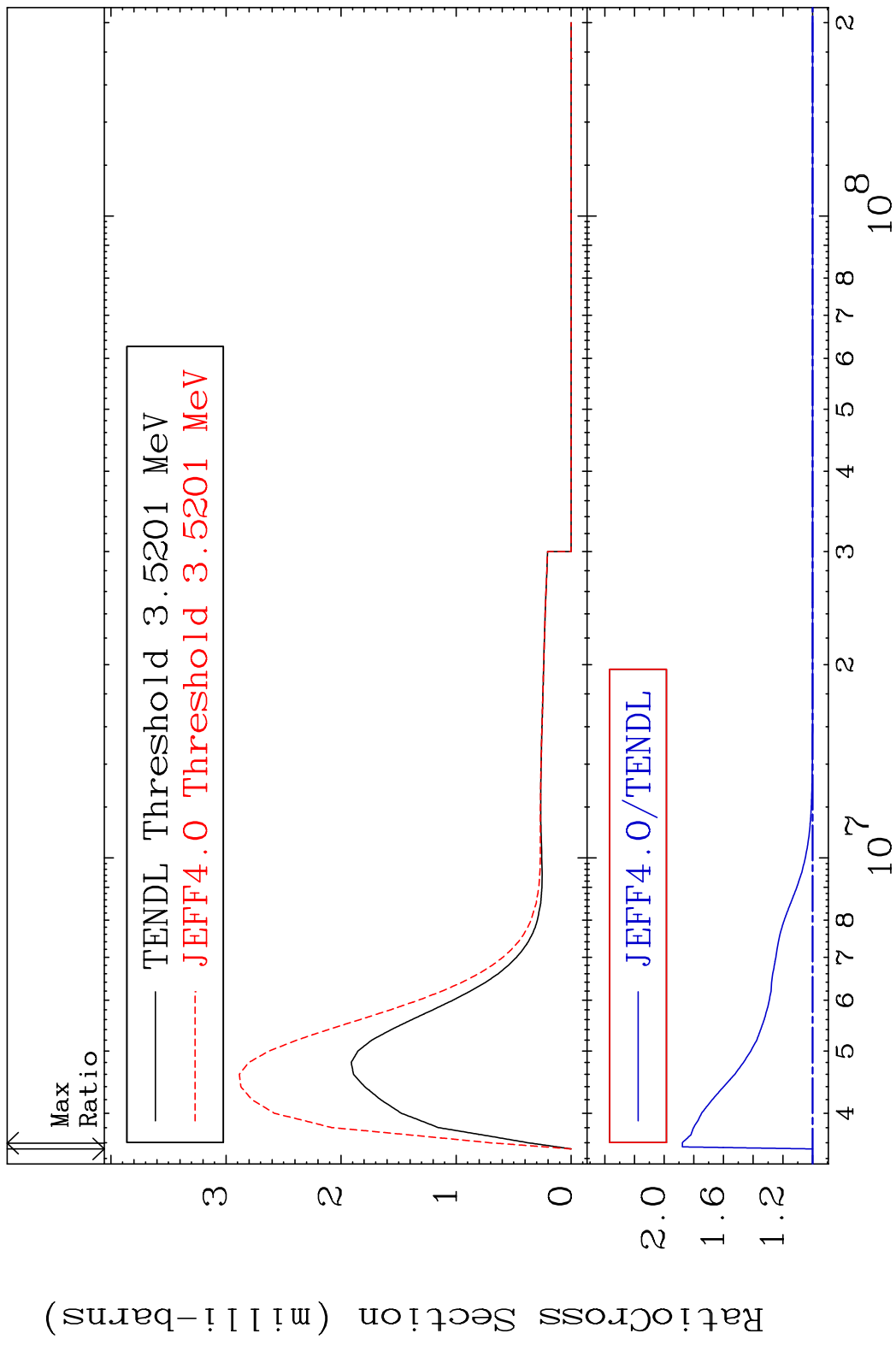
MAT 4043 MT= 76 (n,n') Level 40-Zr-96
 Cross Section 0.000 To 88.31 %



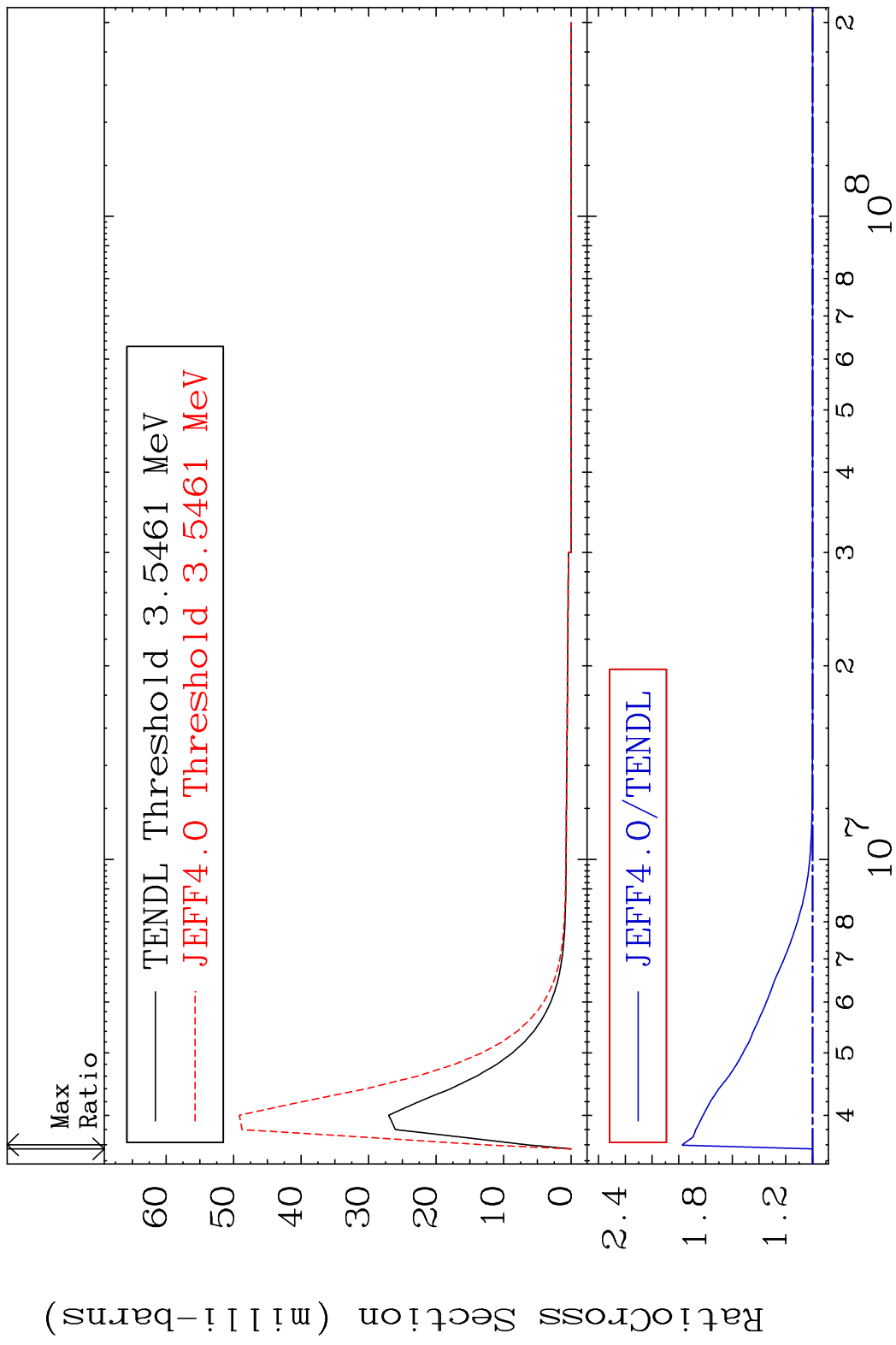
MAT 4043 MT= 77 (n, n') Level 40-Zr-96
 Cross Section 0.000 To 97.38 %



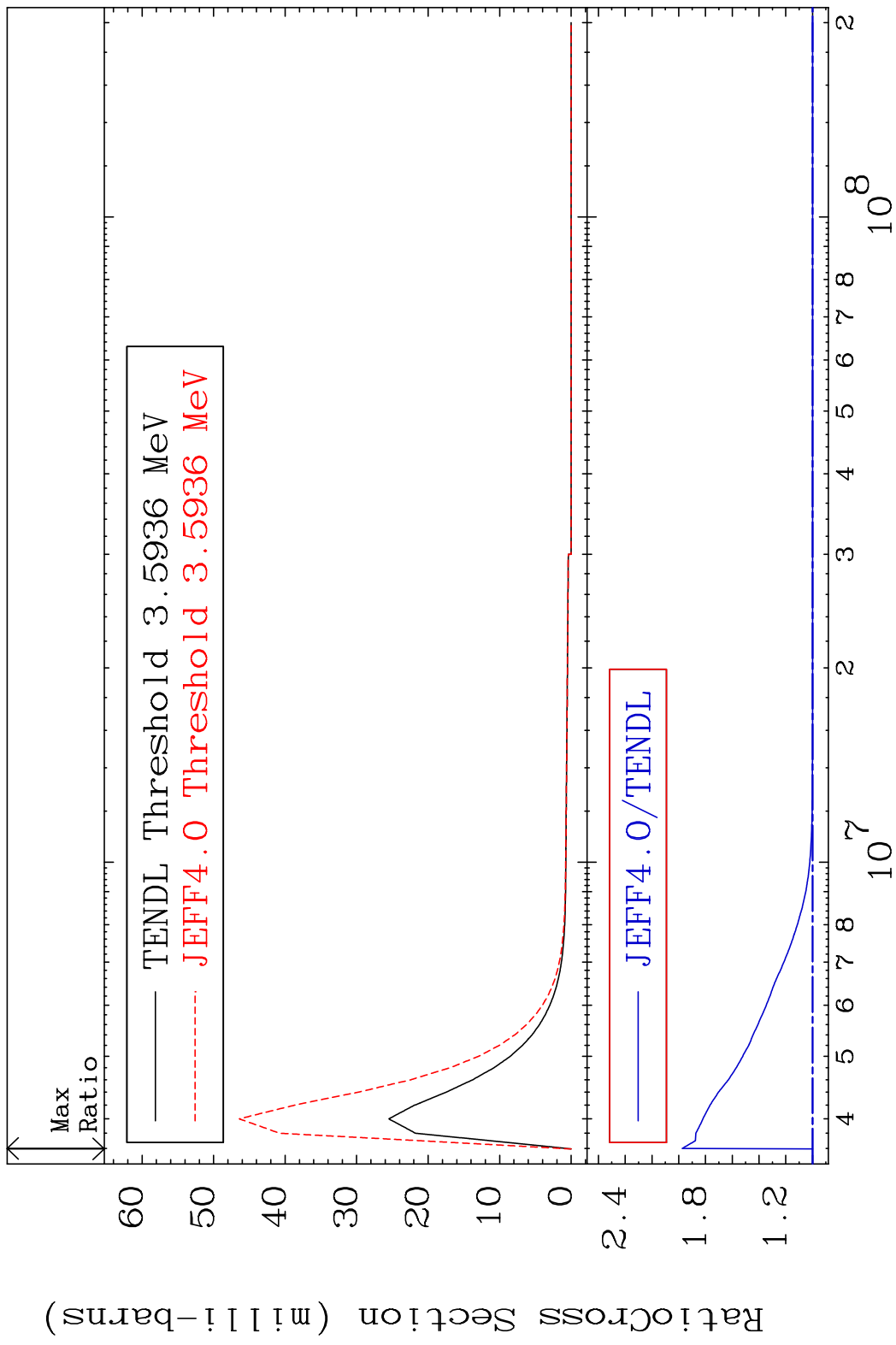
MAT 4043 MT= 78 (n,n') Level 40-Zr-96
 Cross Section 0.000 To 87.74 %



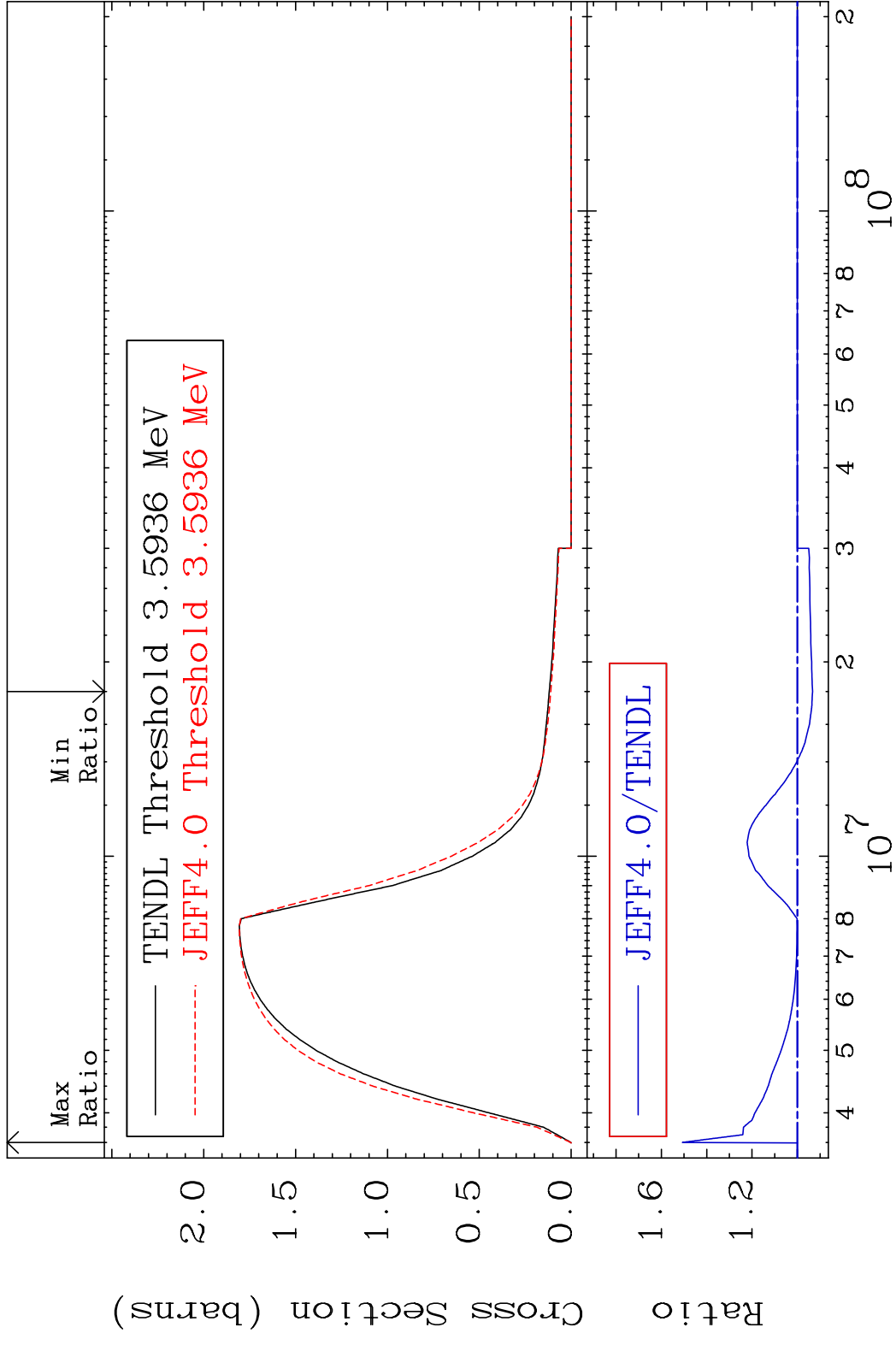
MAT 4043 MT= 79 (n, n') Level 40-Zr-96
 Cross Section 0.000 To 97.35 %



MAT 4043 MT= 80 (n, n') Level 40-Zr-96
 Cross Section 0.000 To 97.28 %



MAT 4043 (n,n') Continuum 40-Zr-96
 Cross Section -6.705 To 50.73 %

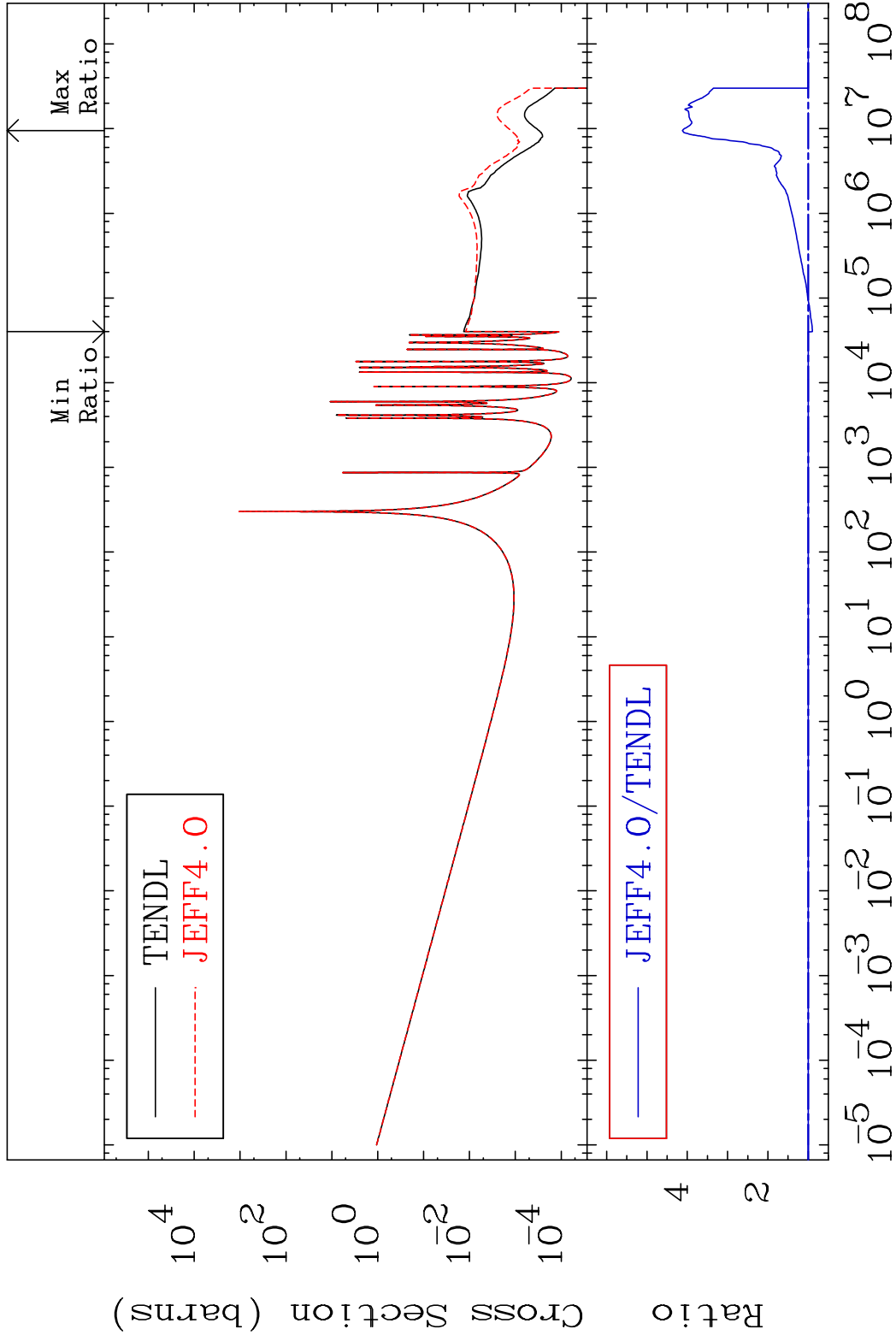


MAT 4043

(n, γ)

40-Zr-96

Cross Section -10.71 To 312.2 %

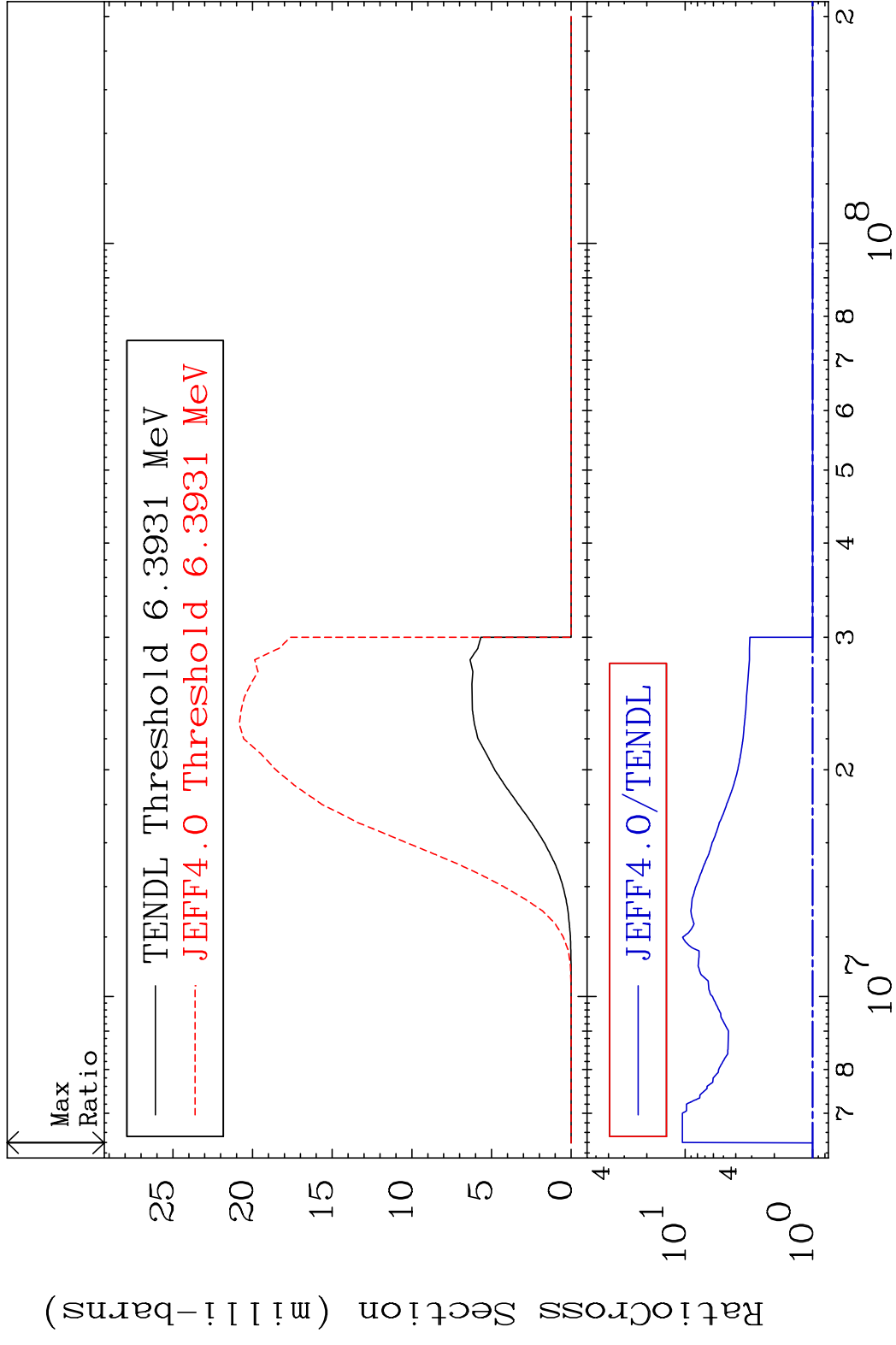


50

Incident Energy (eV)

40-Zr-96

MAT 4043 (n,p) 40-Zr-96
 Cross Section 0.000 To 951.4 %

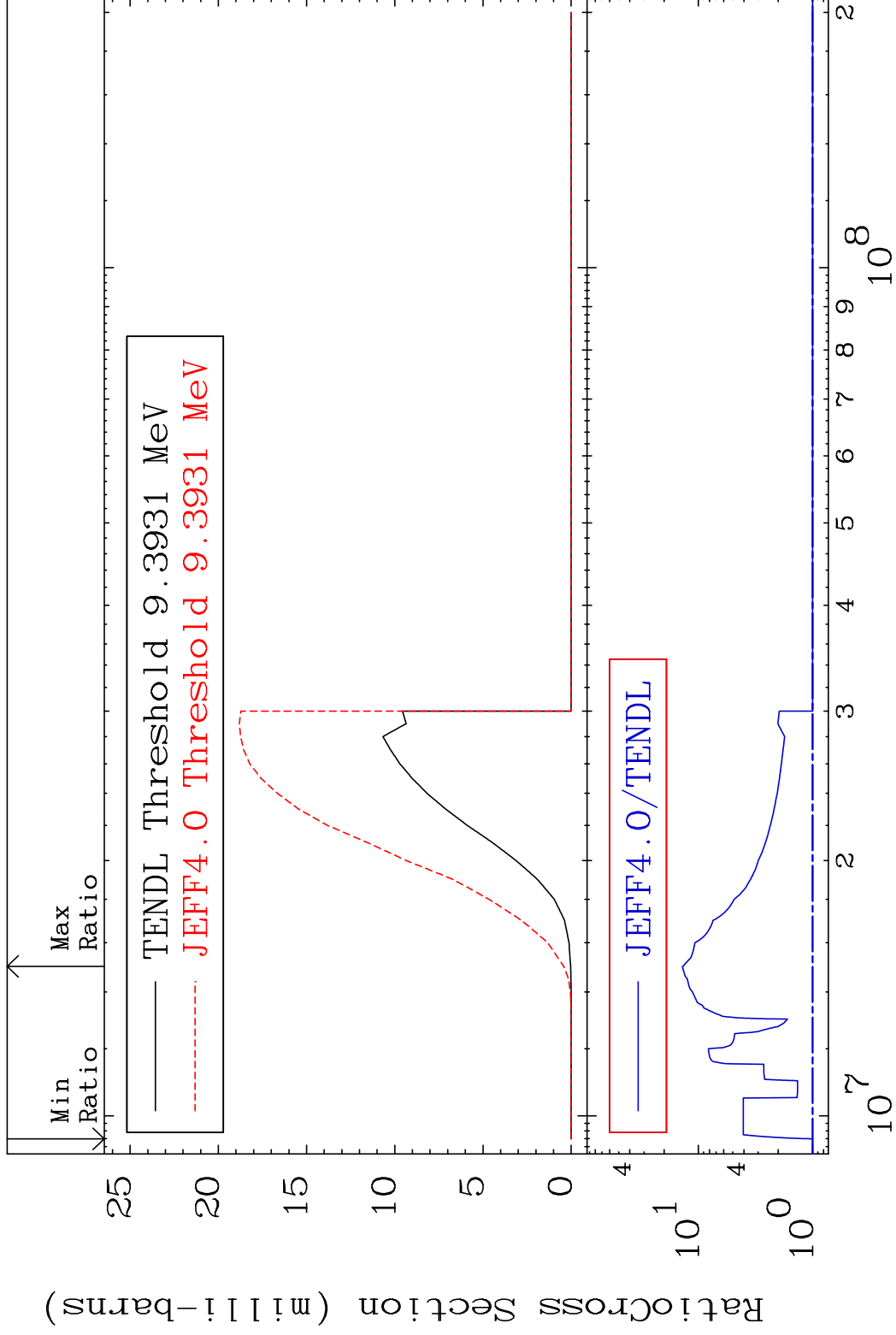


MAT 4043

(n, d)

40-Zr-96

Cross Section 0.000 To 1283. %

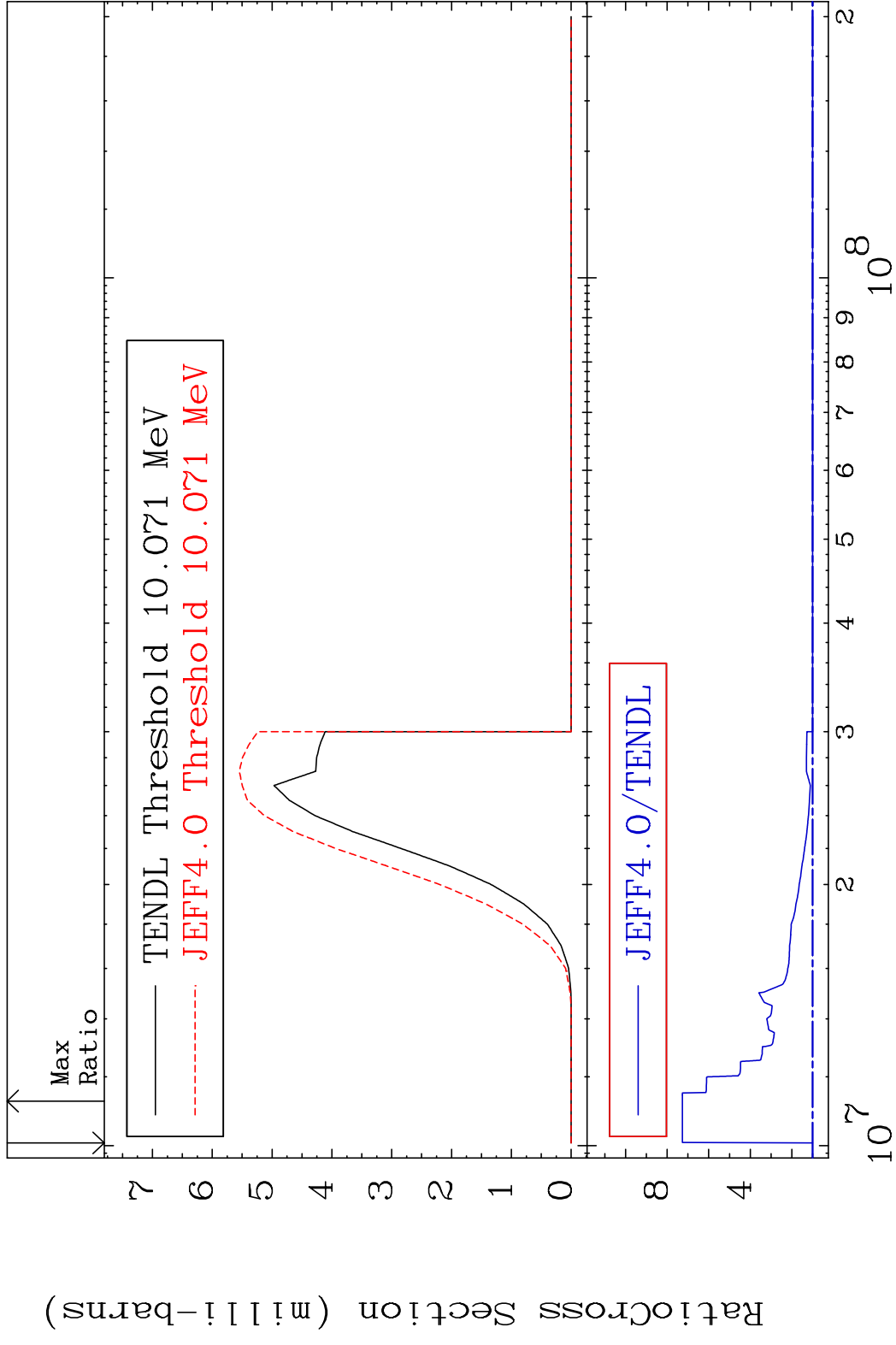


52

Incident Energy (eV)

40-Zr-96

MAT 4043 (n, t) 40-Zr-96
 Cross Section 0.000 To 627.0 %



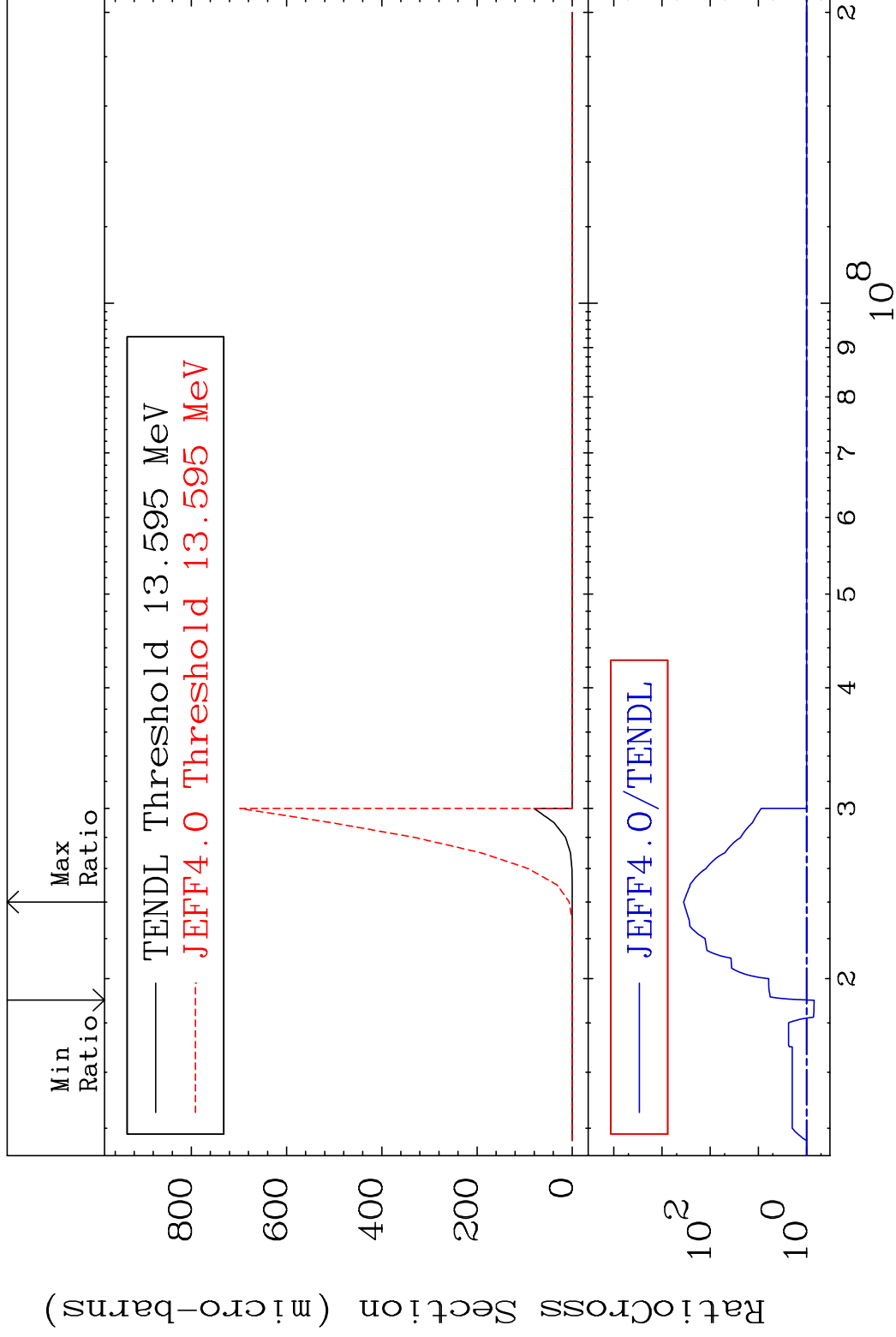
53 Incident Energy (eV) 40-Zr-96

MAT 4043

(n, He-3)

40-Zr-96

Cross Section -30.42 To 9999. %



54

Incident Energy (eV)

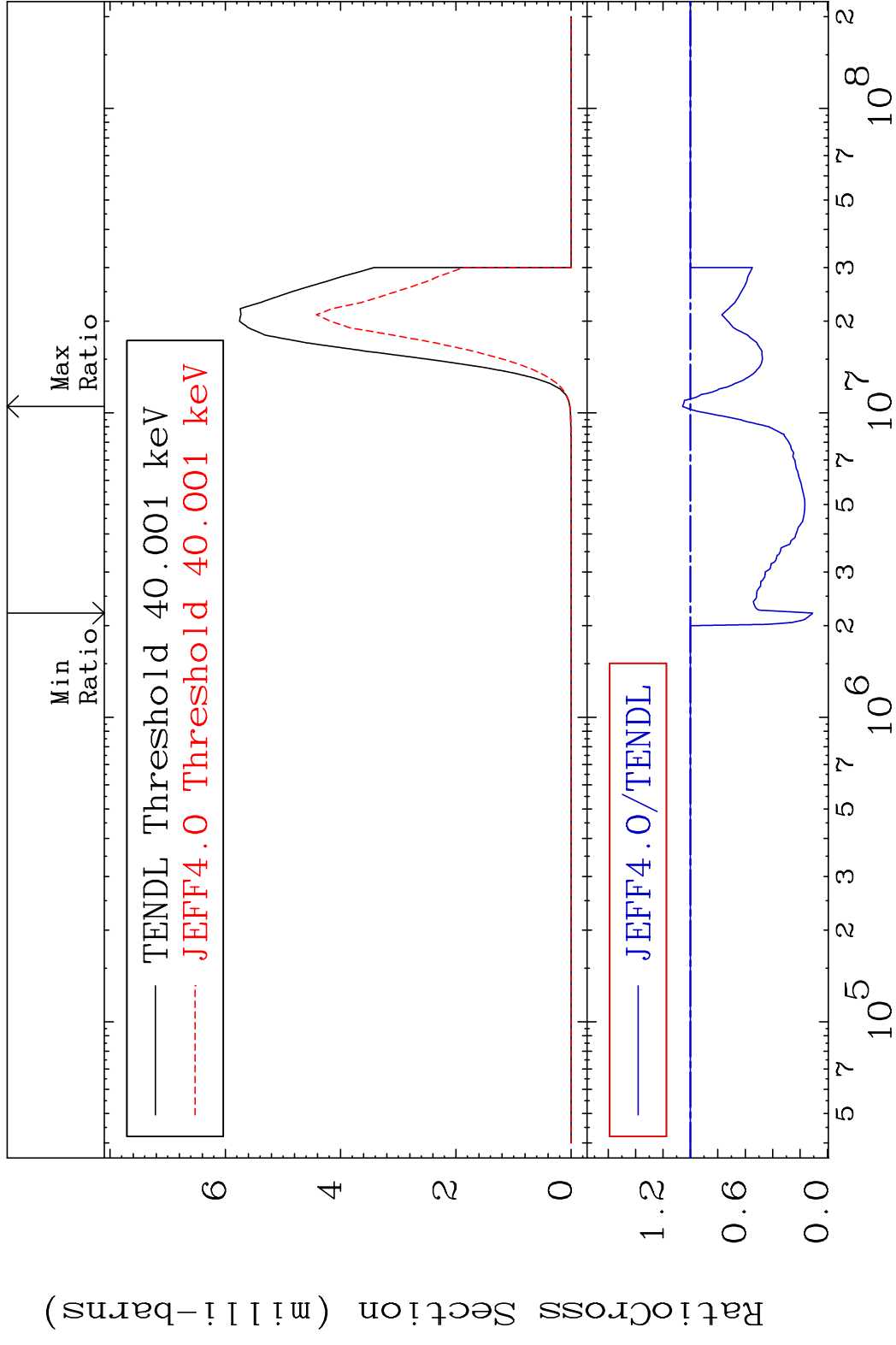
40-Zr-96

MAT 4043

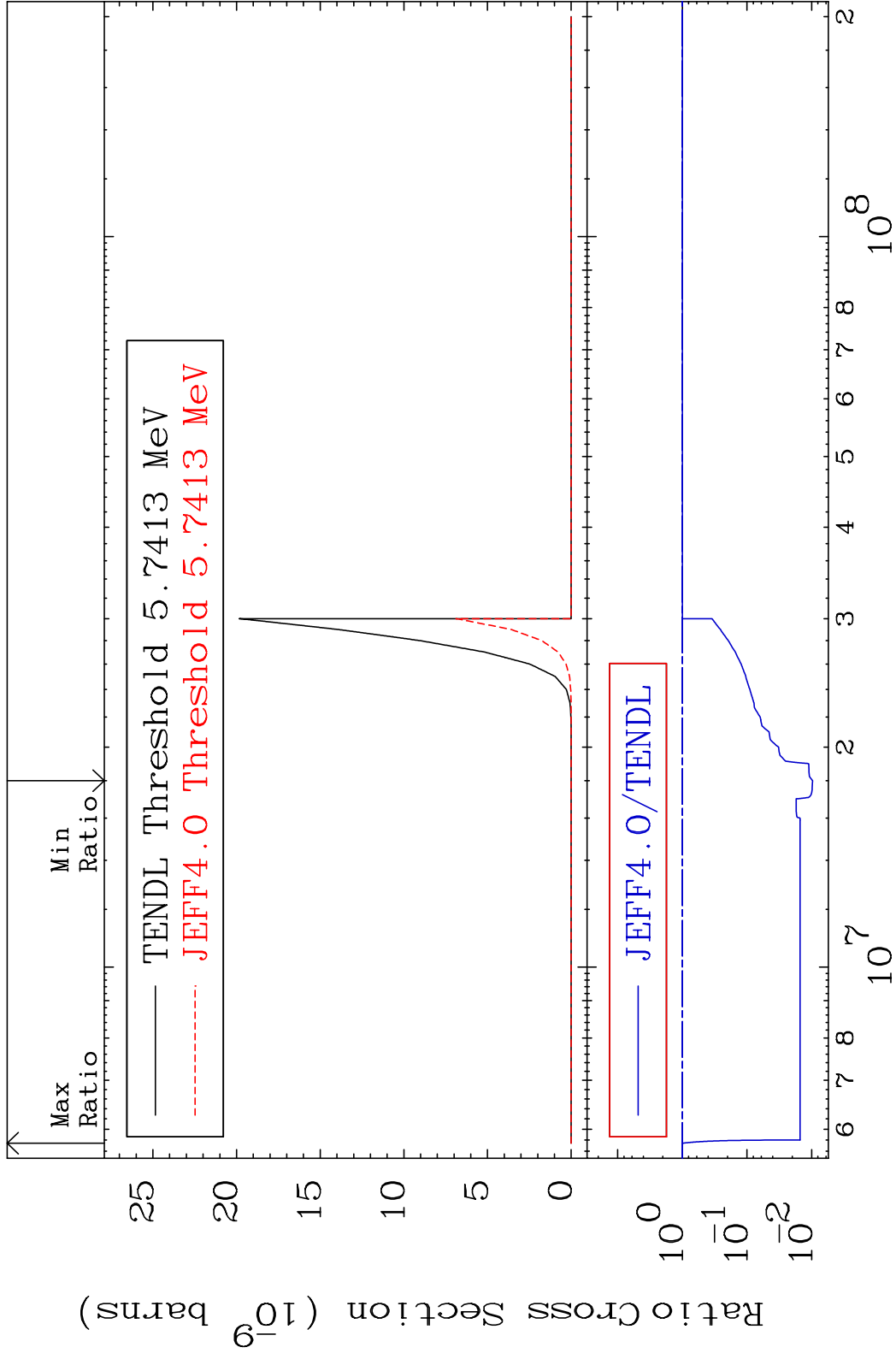
40-Zr-96

(n, α)

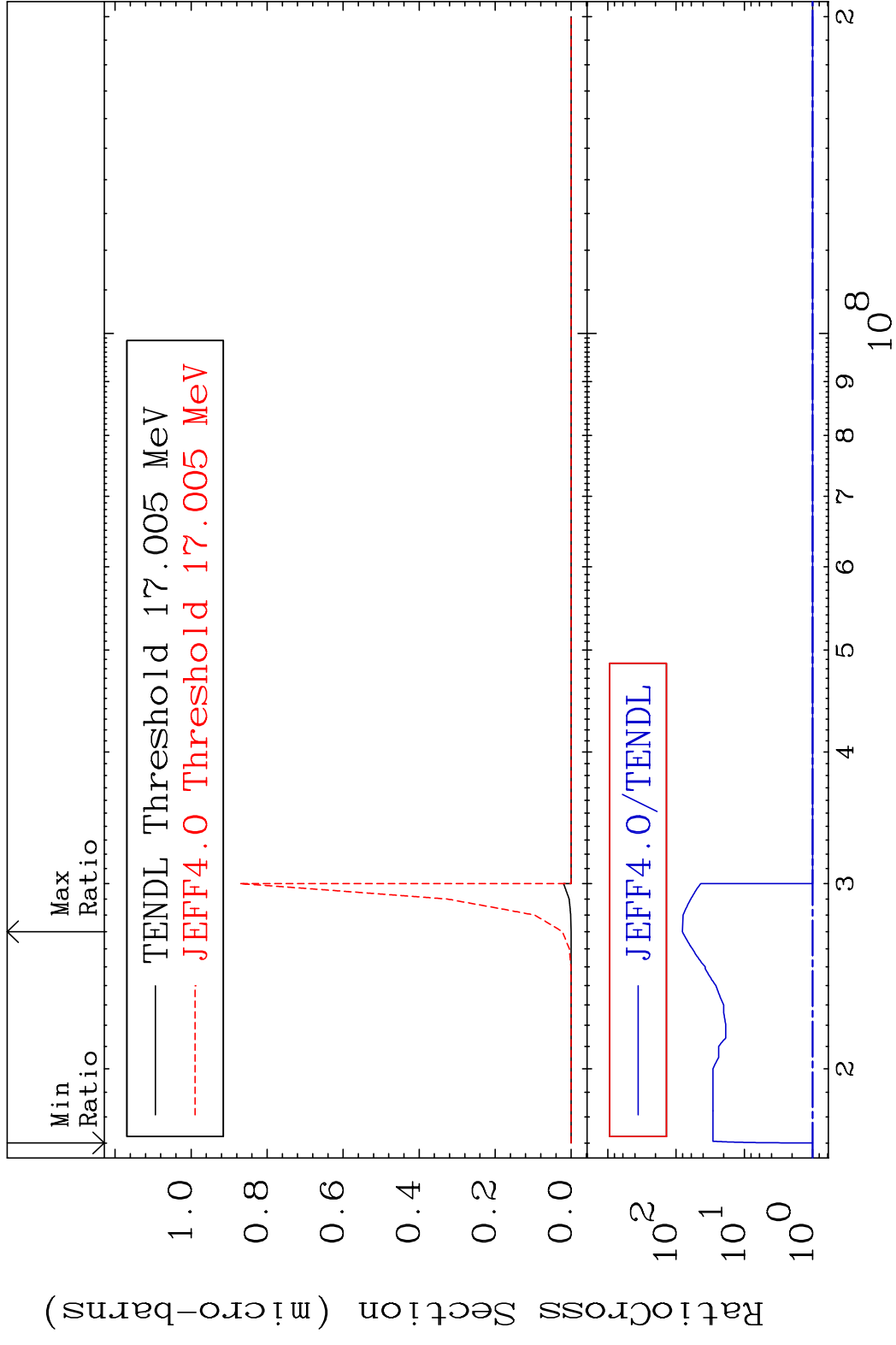
Cross Section -89.16 To 5.902 %



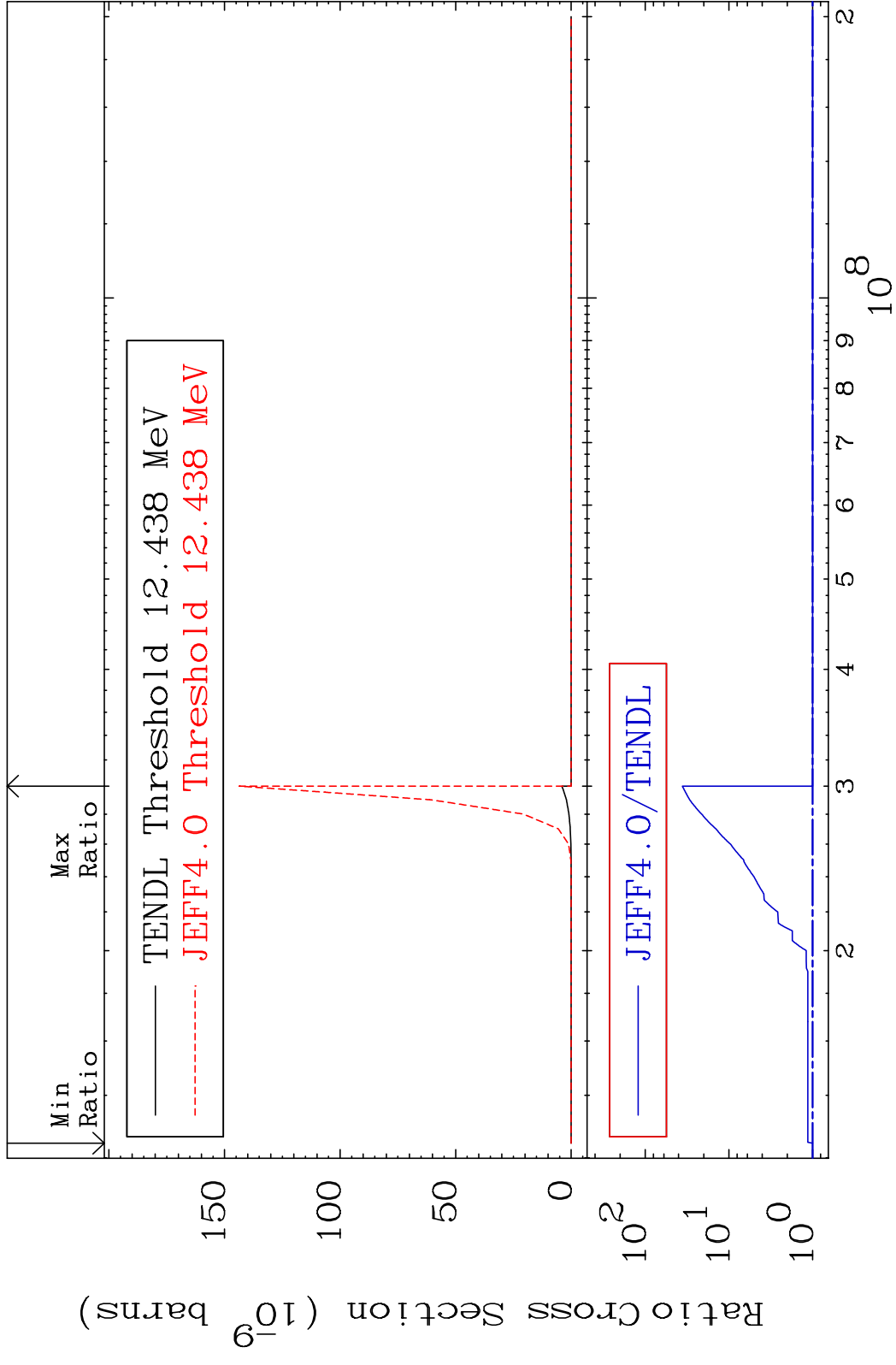
MAT 4043 (n,2α) 40-Zr-96
 Cross Section -99.03 To 0.000 %



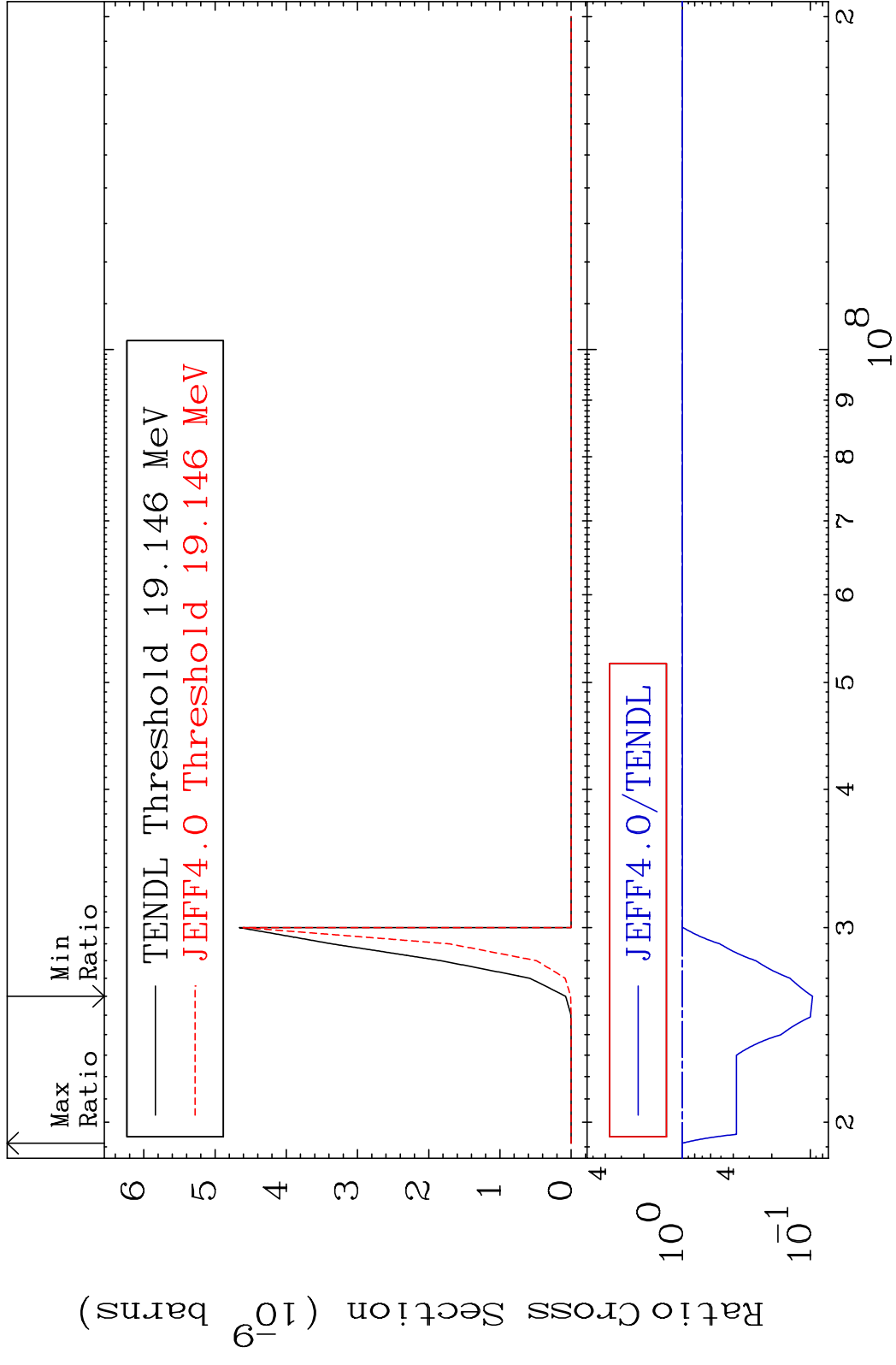
MAT 4043 (n,2p) 40-Zr-96
 Cross Section 0.000 To 7989. %



MAT 4043 (n,p) α 40-Zr-96
 Cross Section 0.000 To 3506. %



MAT 4043 (n,p) d 40-Zr-96
 Cross Section -90.40 To 0.000 %

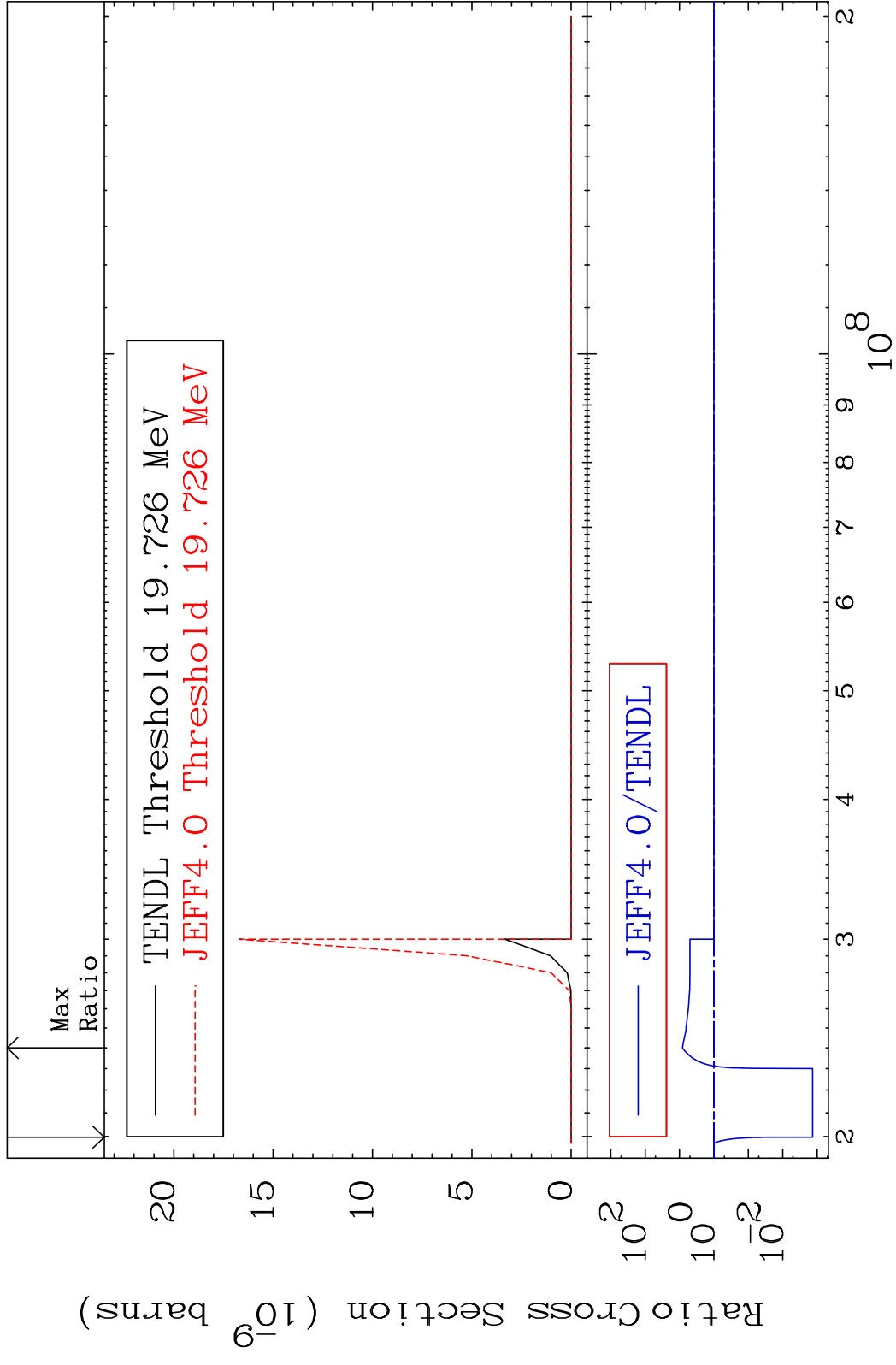


MAT 4043

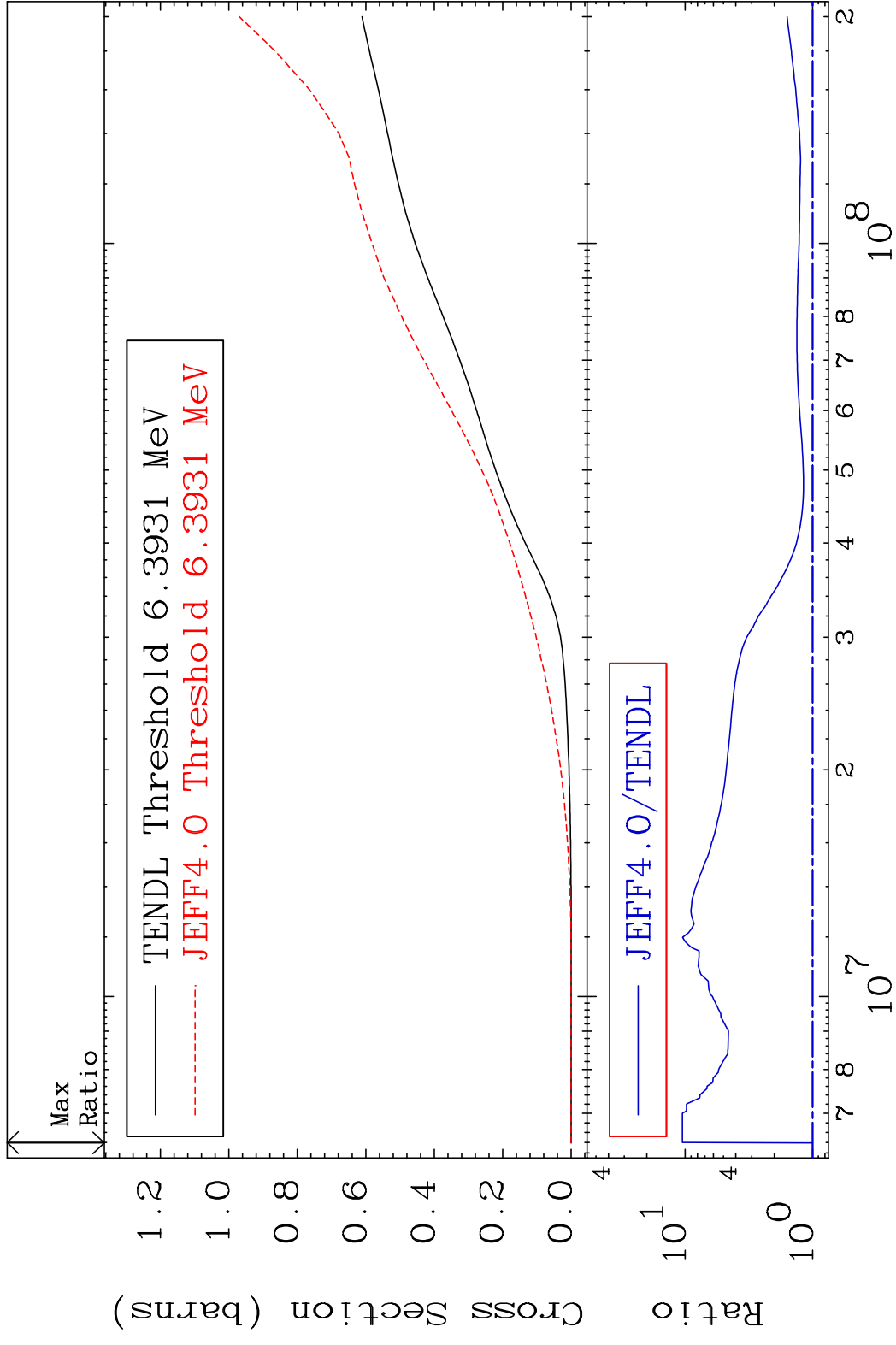
(n,p) t

40-Zr-96

Cross Section -99.86 To 727.2 %

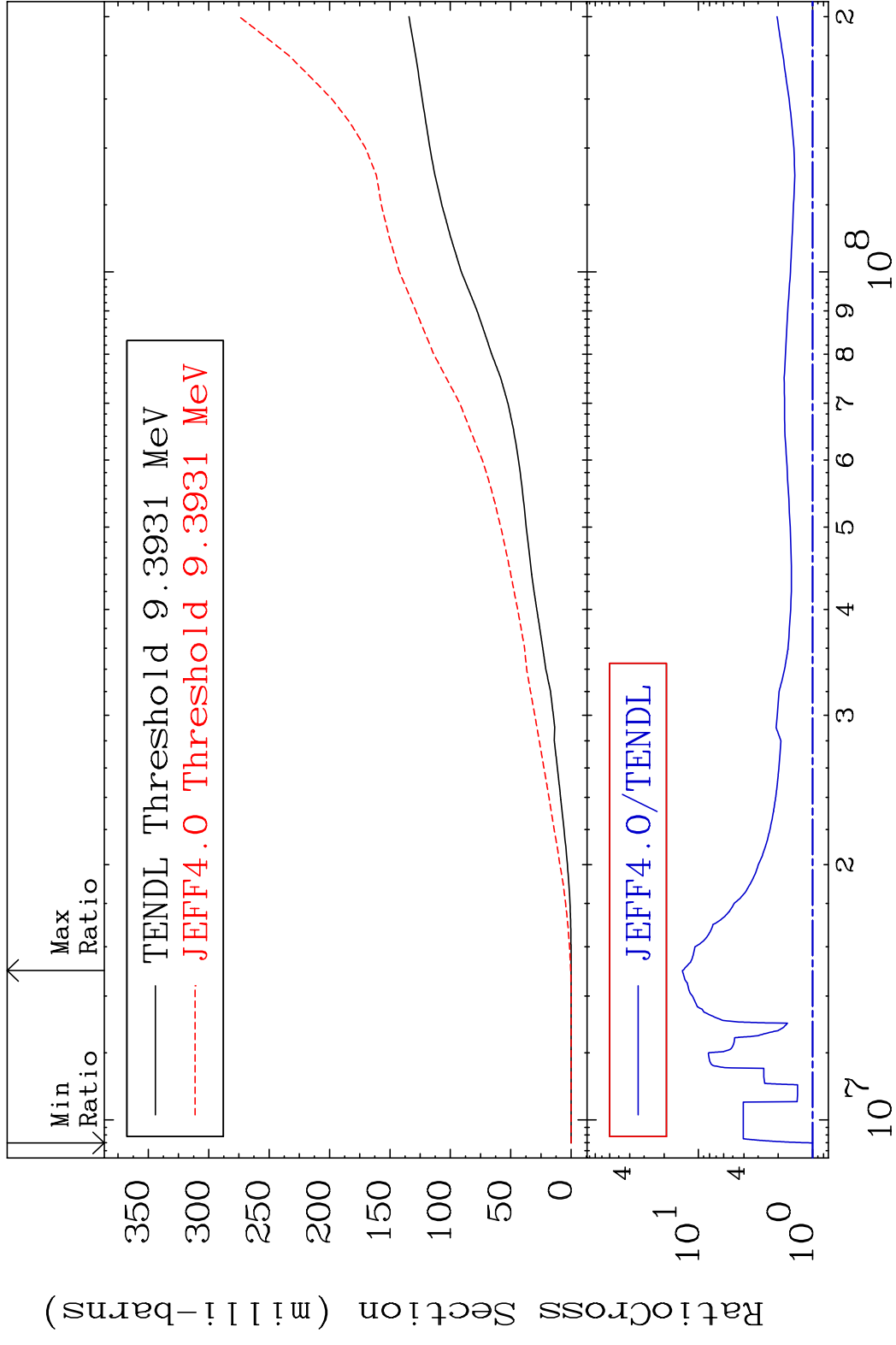


MAT 4043 Hydrogen Production 40-Zr-96
 Cross Section 0.000 To 951.4 %



61 Incident Energy (eV) 40-Zr-96

MAT 4043 Deuterium Production 40-Zr-96
 Cross Section 0.000 To 1283. %

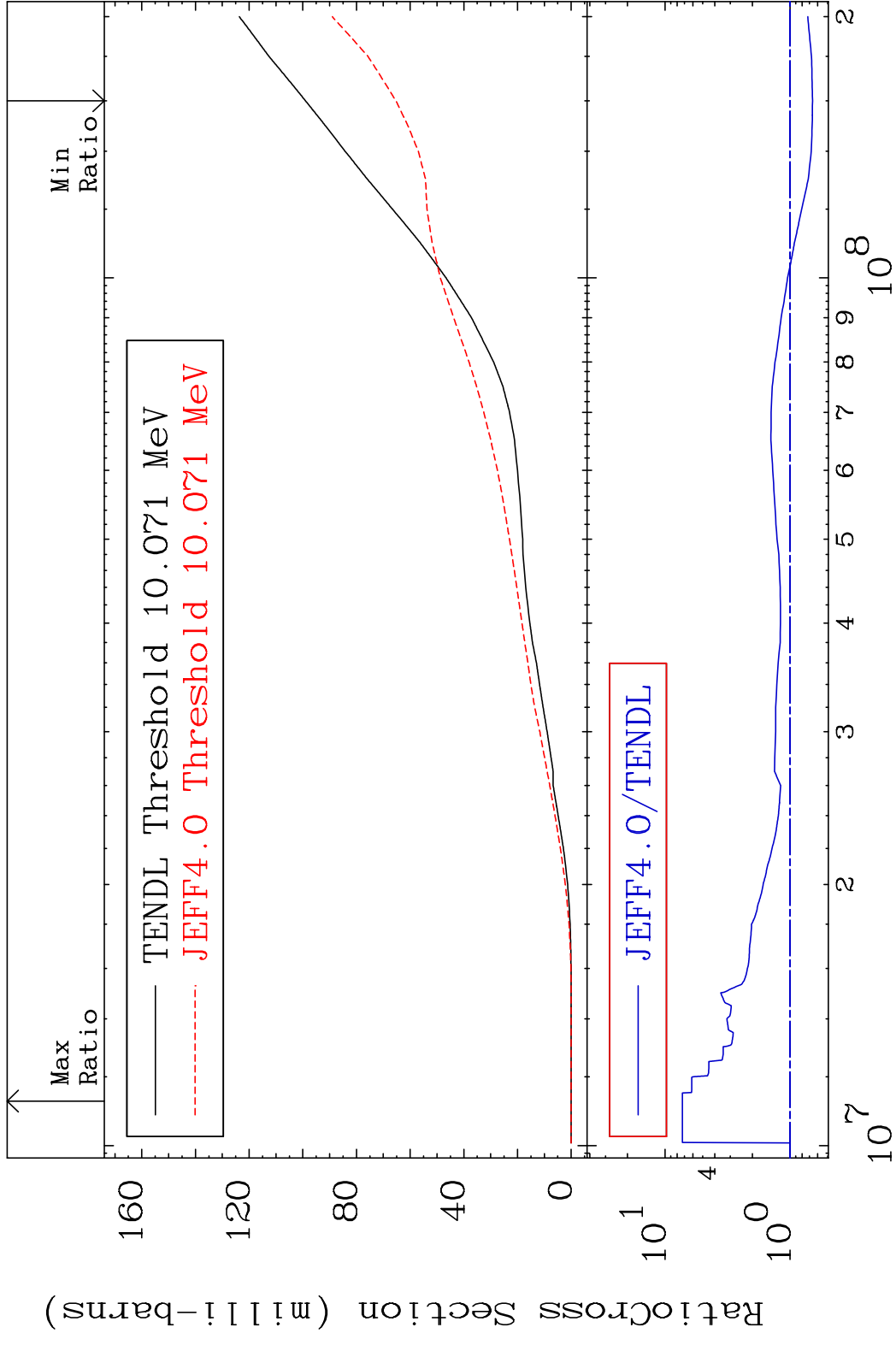


62 Incident Energy (eV) 40-Zr-96

MAT 4043

Tritium Production
Cross Section -34.02 To 627.0 %

40-Zr-96



63

Incident Energy (eV)

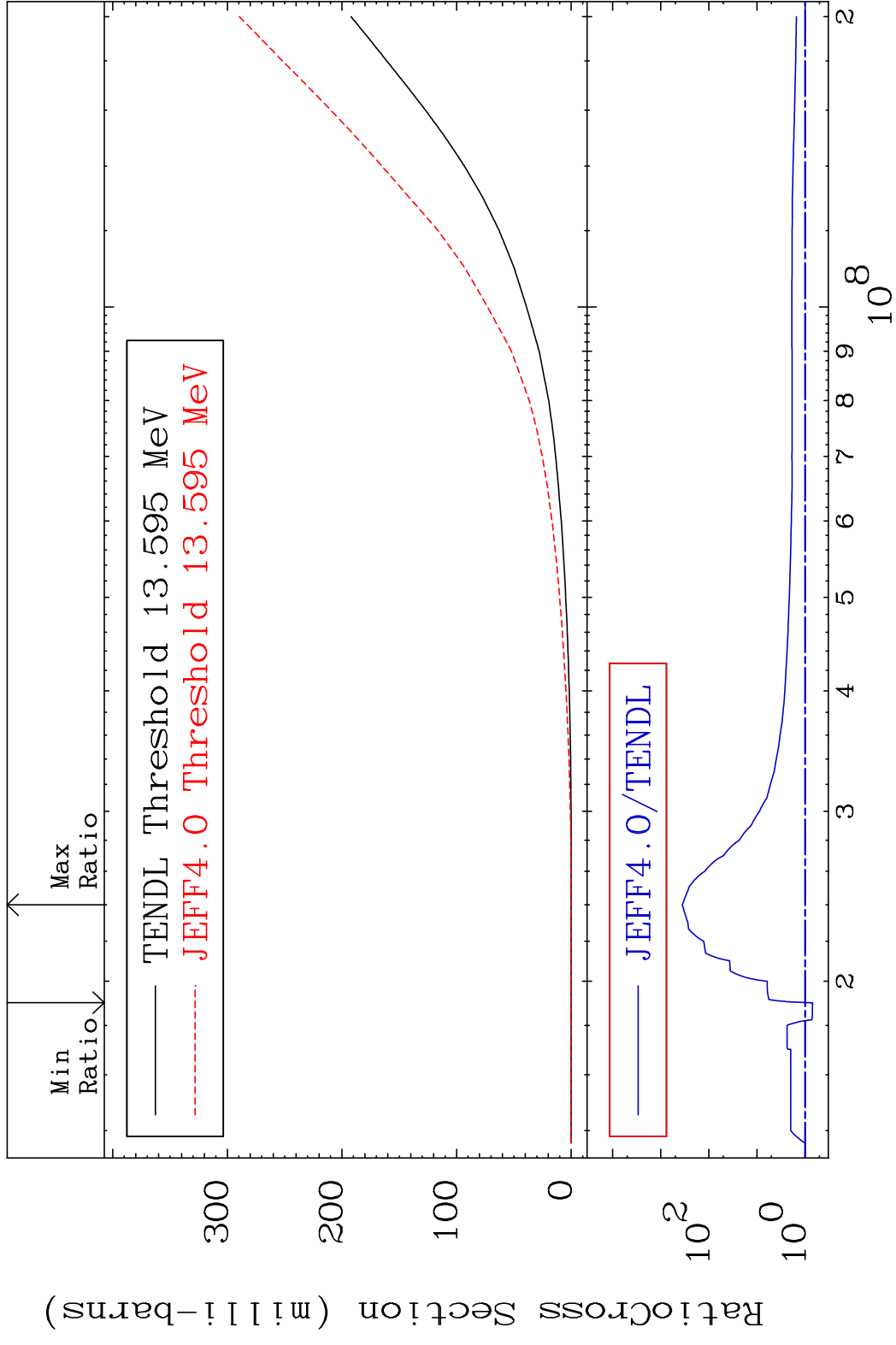
40-Zr-96

MAT 4043

He-3 Production

40-Zr-96

Cross Section -30.42 To 9999. %



64

Incident Energy (eV)

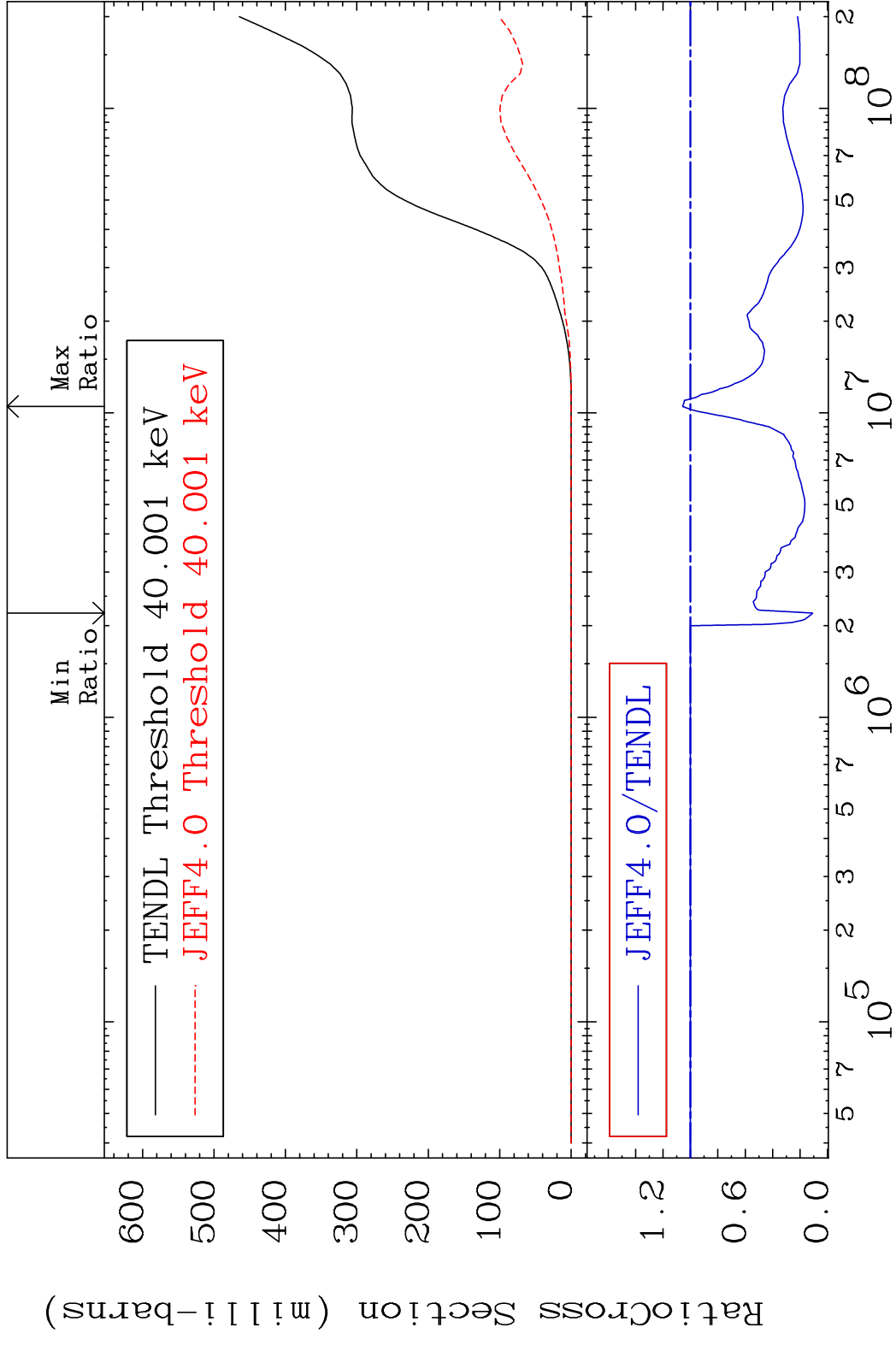
40-Zr-96

MAT 4043

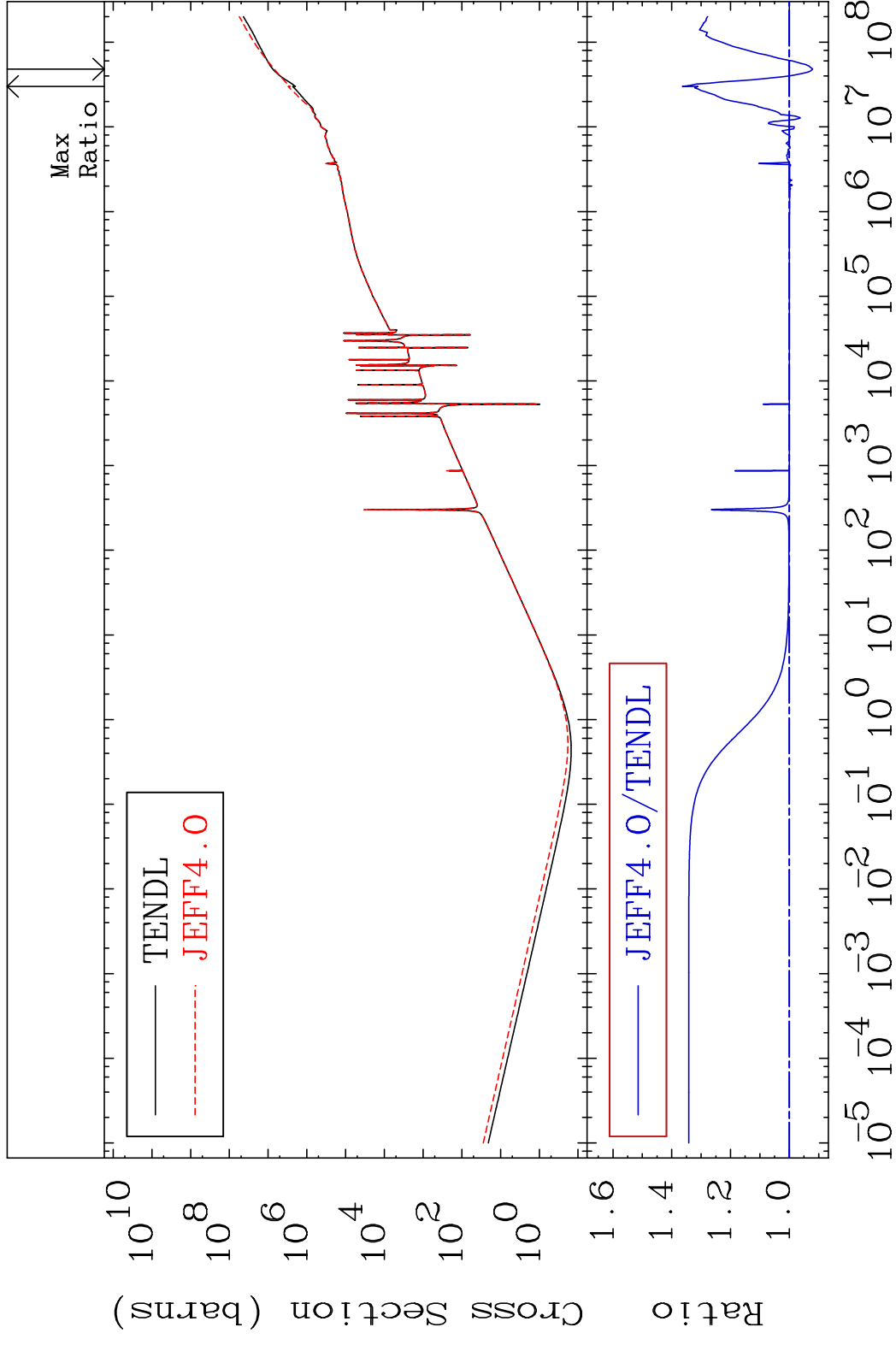
He-4 Production

40-Zr-96

Cross Section -89.16 To 5.900 %



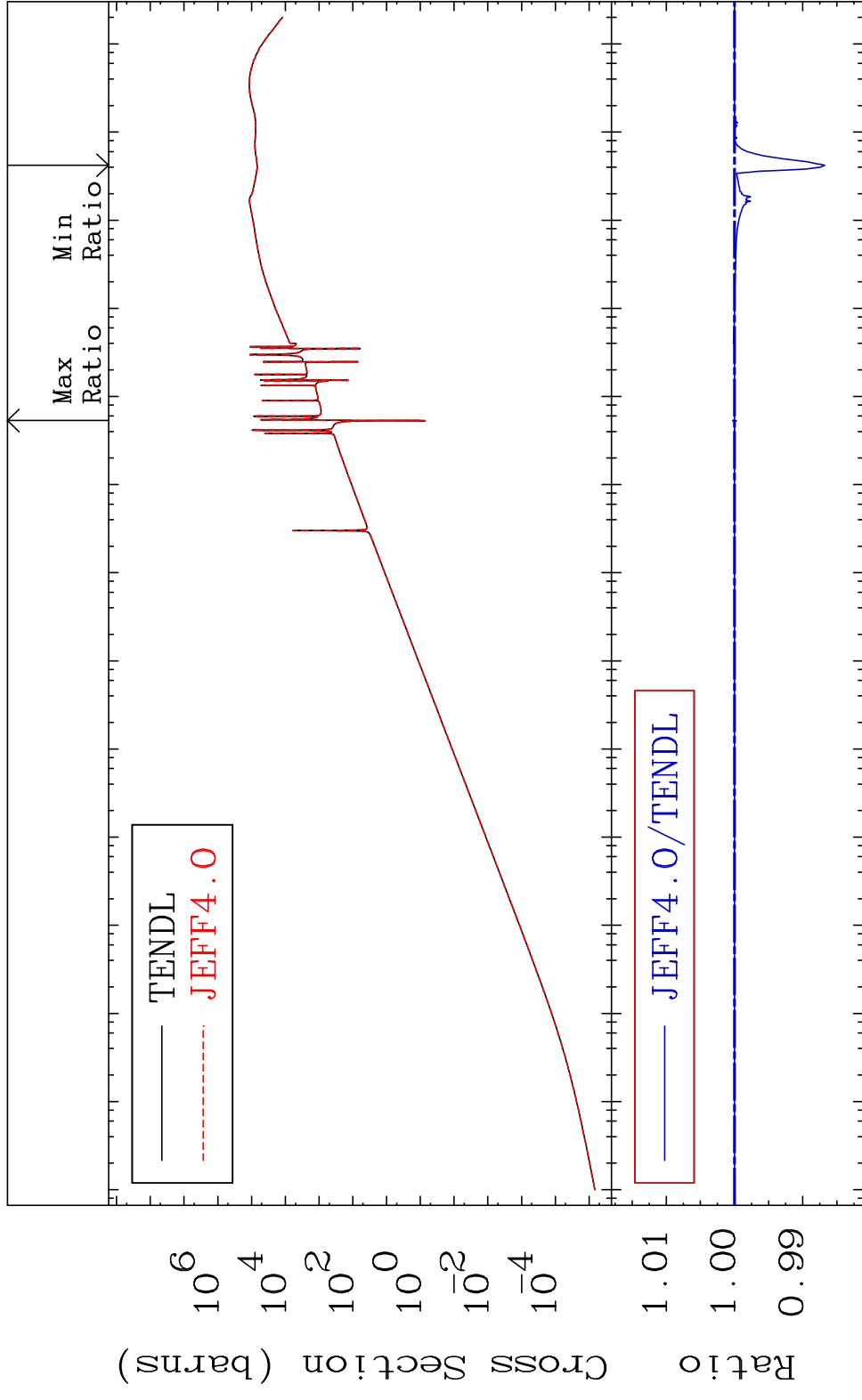
MAT 4043 Kerma total (eV-barns) 40-Zr-96
 Cross Section -7.912 To 36.39 %



MAT 4043

Kerma elastic
Cross Section

40-Zr-96
-1.321 To 0.031 %

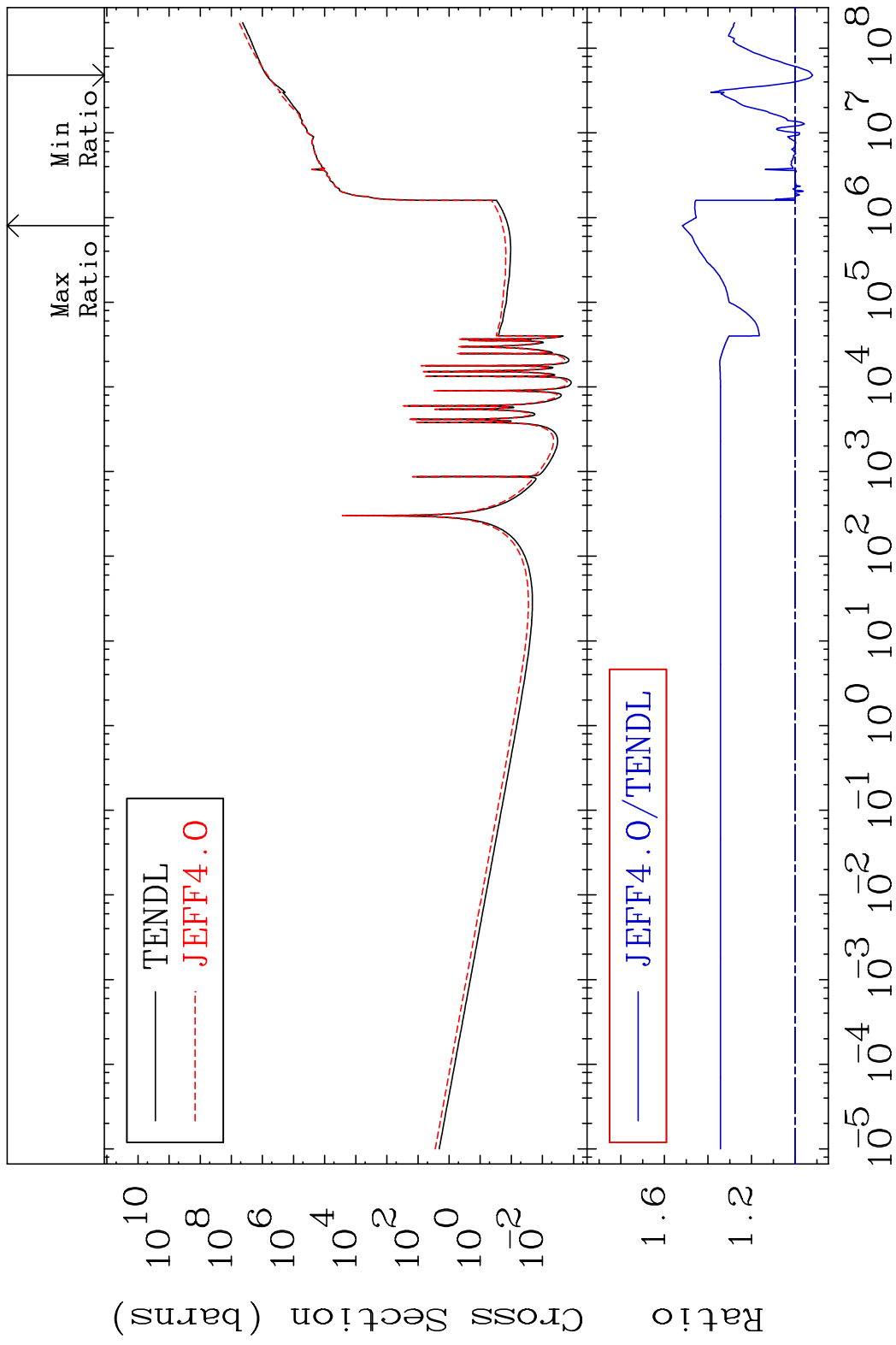


67

Incident Energy (eV)

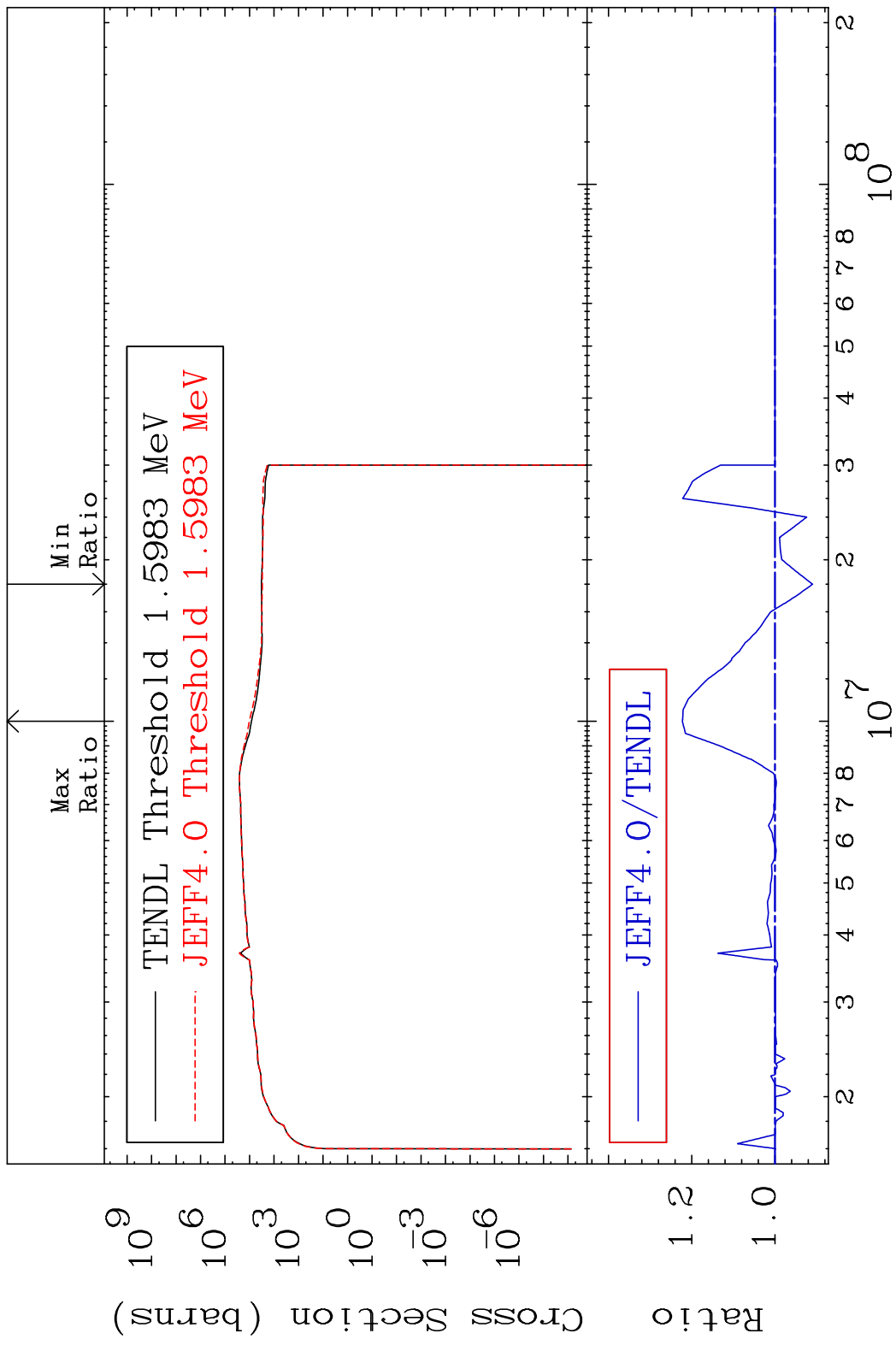
40-Zr-96

MAT 4043 Kerma non-elastic (all but mt2) 40-Zr-96
 Cross Section -8.027 To 51.76 %

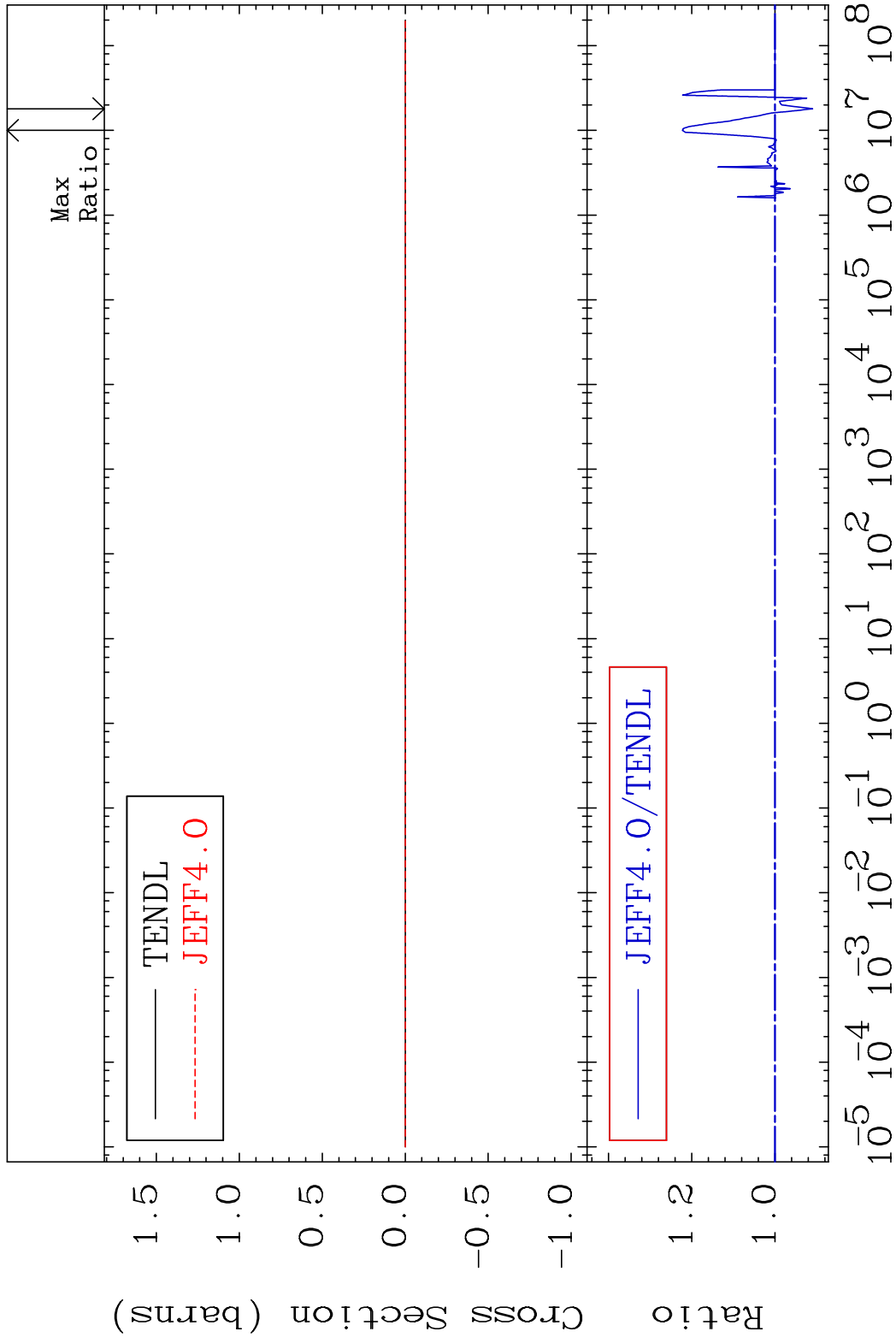


68 Incident Energy (eV) 40-Zr-96

MAT 4043 Kerma inelastic (mt51-91) 40-Zr-96
 Cross Section -9.039 To 22.24 %



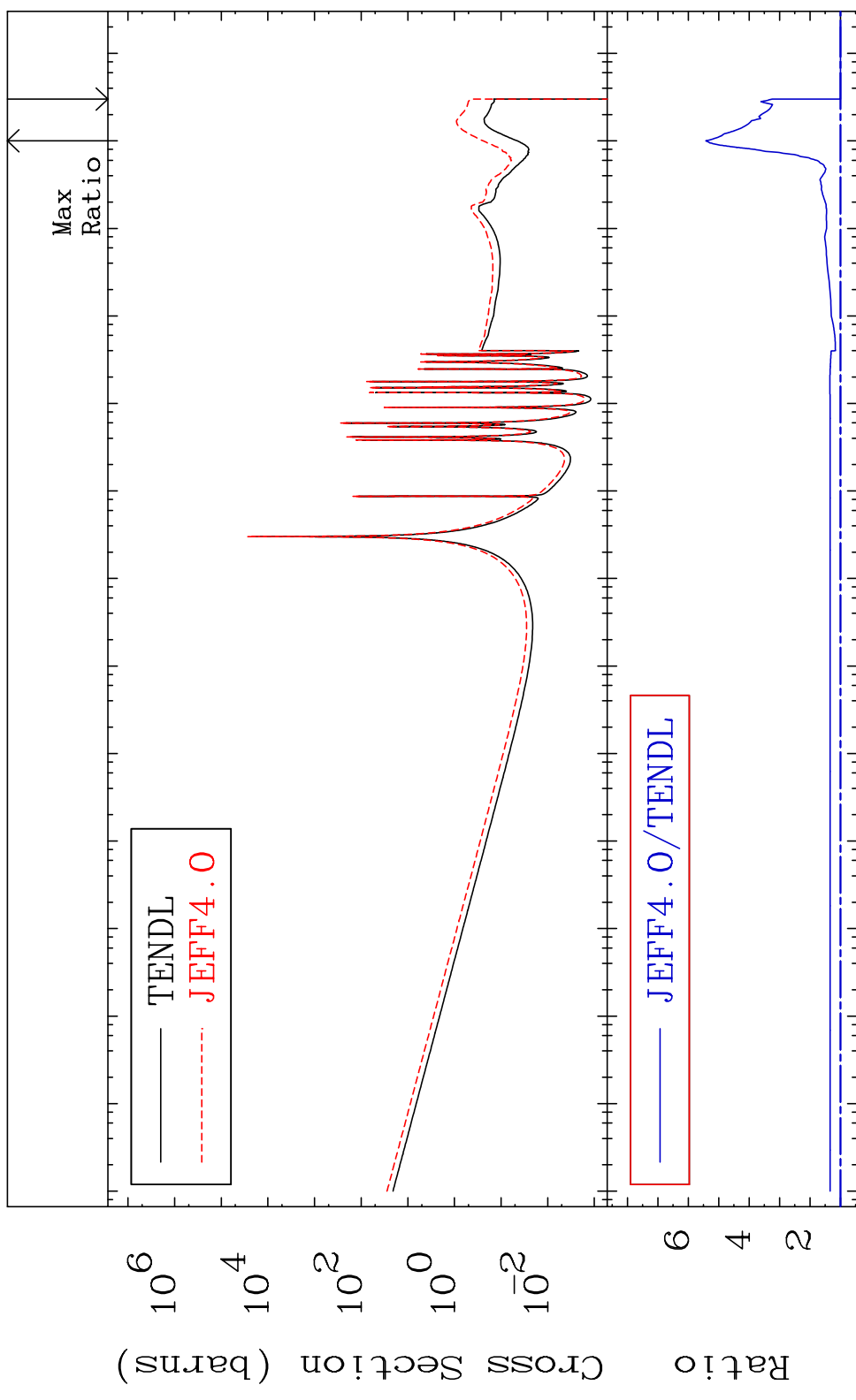
MAT 4043 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-96
 Cross Section -9.039 To 22.24 %



70 Incident Energy (eV) 40-Zr-96

MAT 4043

Kerma capture (mt102) 40-Zr-96
Cross Section 0.000 To 442.5 %

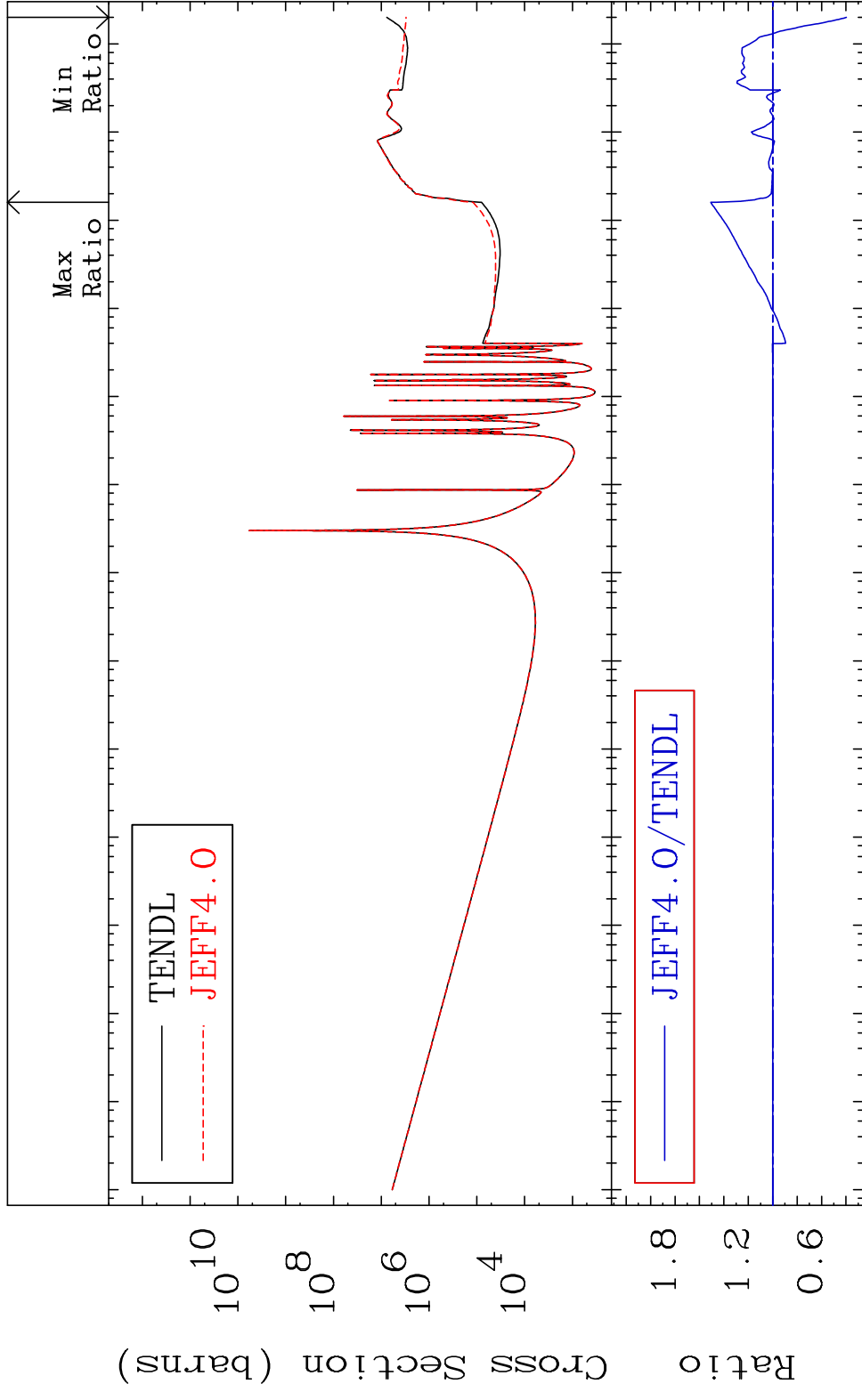


71

Incident Energy (eV)

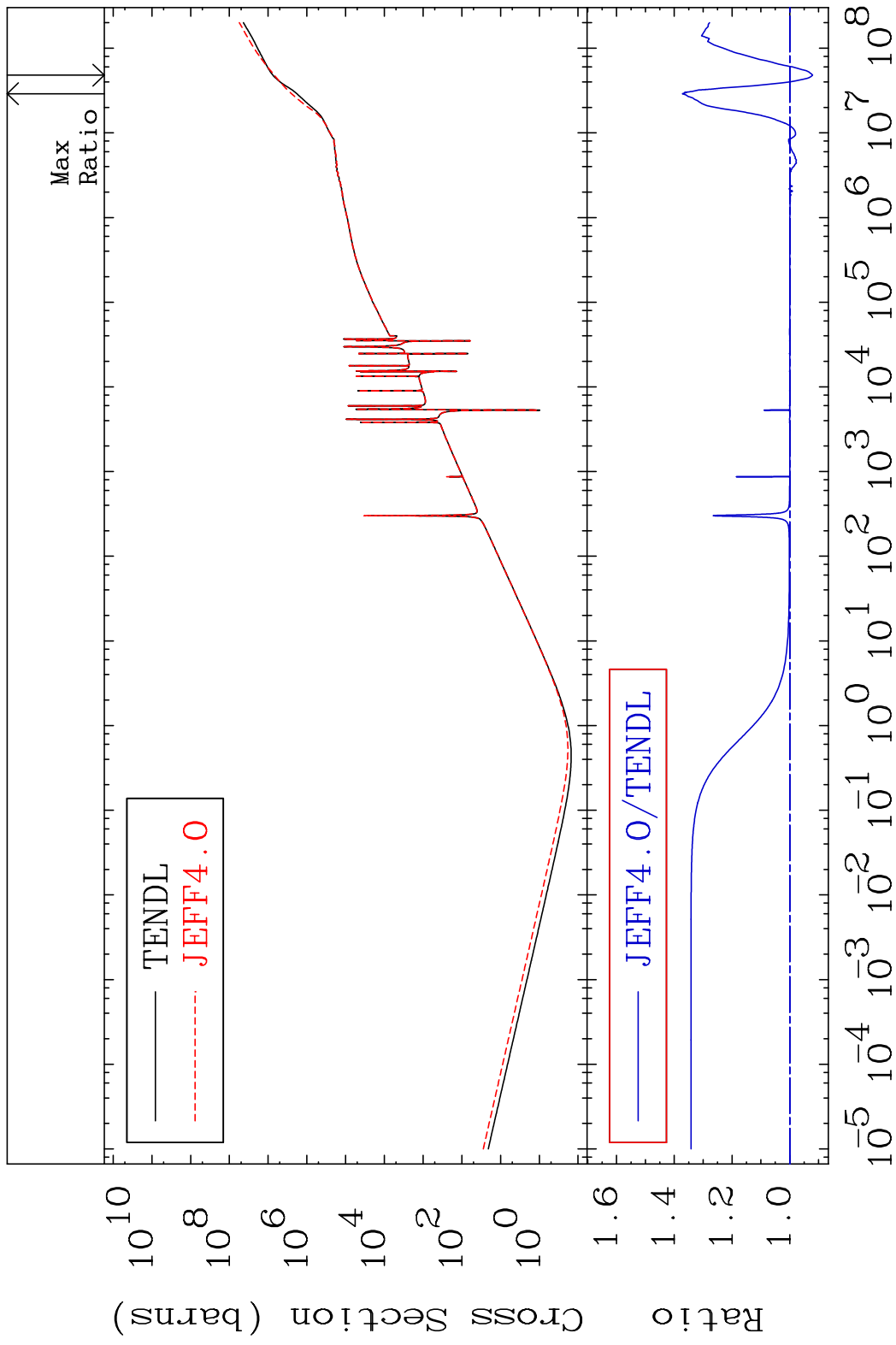
40-Zr-96

MAT 4043 Total photon (eV-barns) 40-Zr-96
 Cross Section -60.25 To 50.77 %



72 Incident Energy (eV) 40-Zr-96

MAT 4043 Total kinematic kerma (high limit) 40-Zr-96
Cross Section -7.912 To 37.20 %



73

Incident Energy (eV)

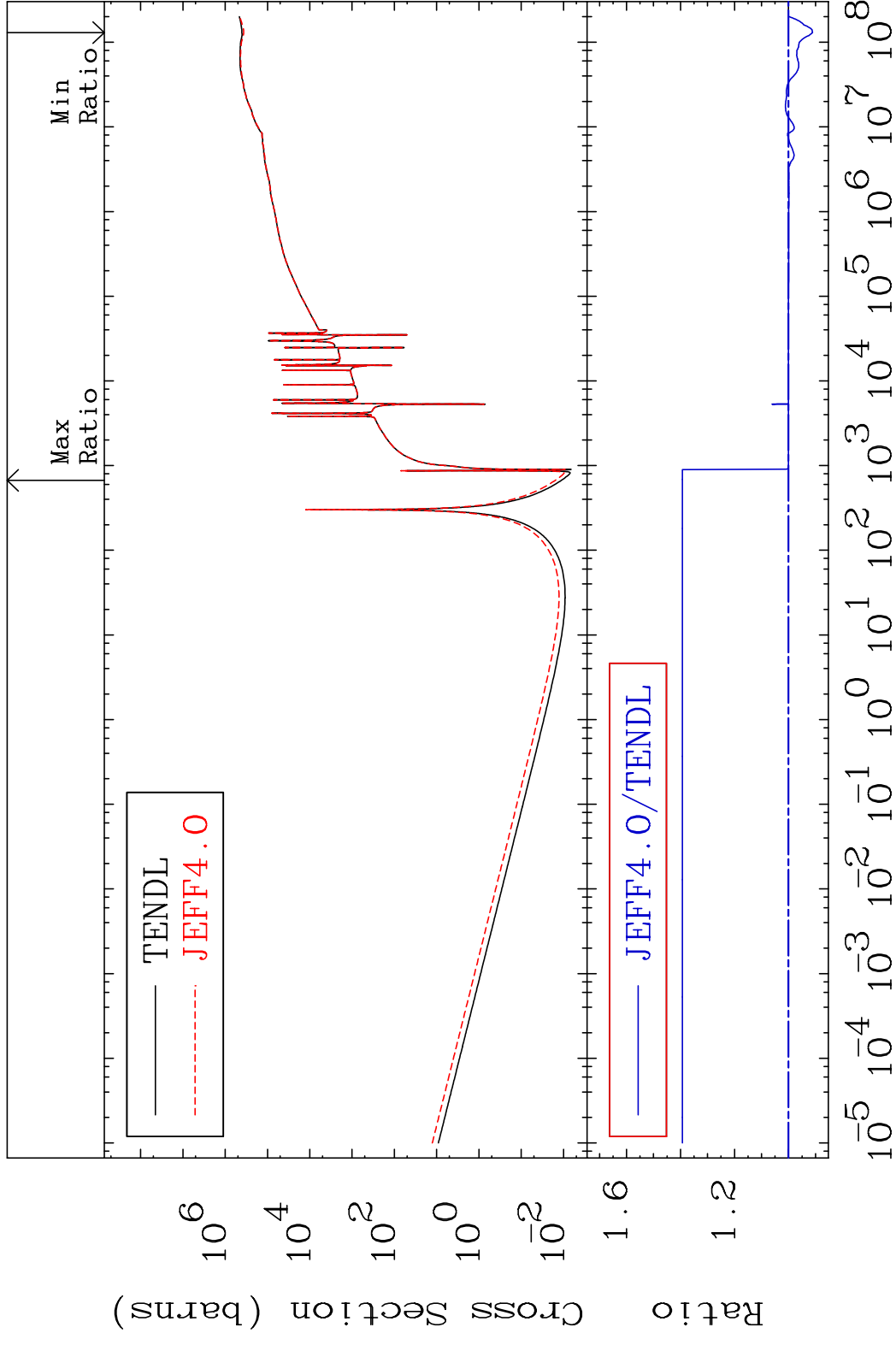
40-Zr-96

MAT 4043

Dpa total (eV-barns)

40-Zr-96

Cross Section -8.895 To 39.32 %



74

Incident Energy (eV)

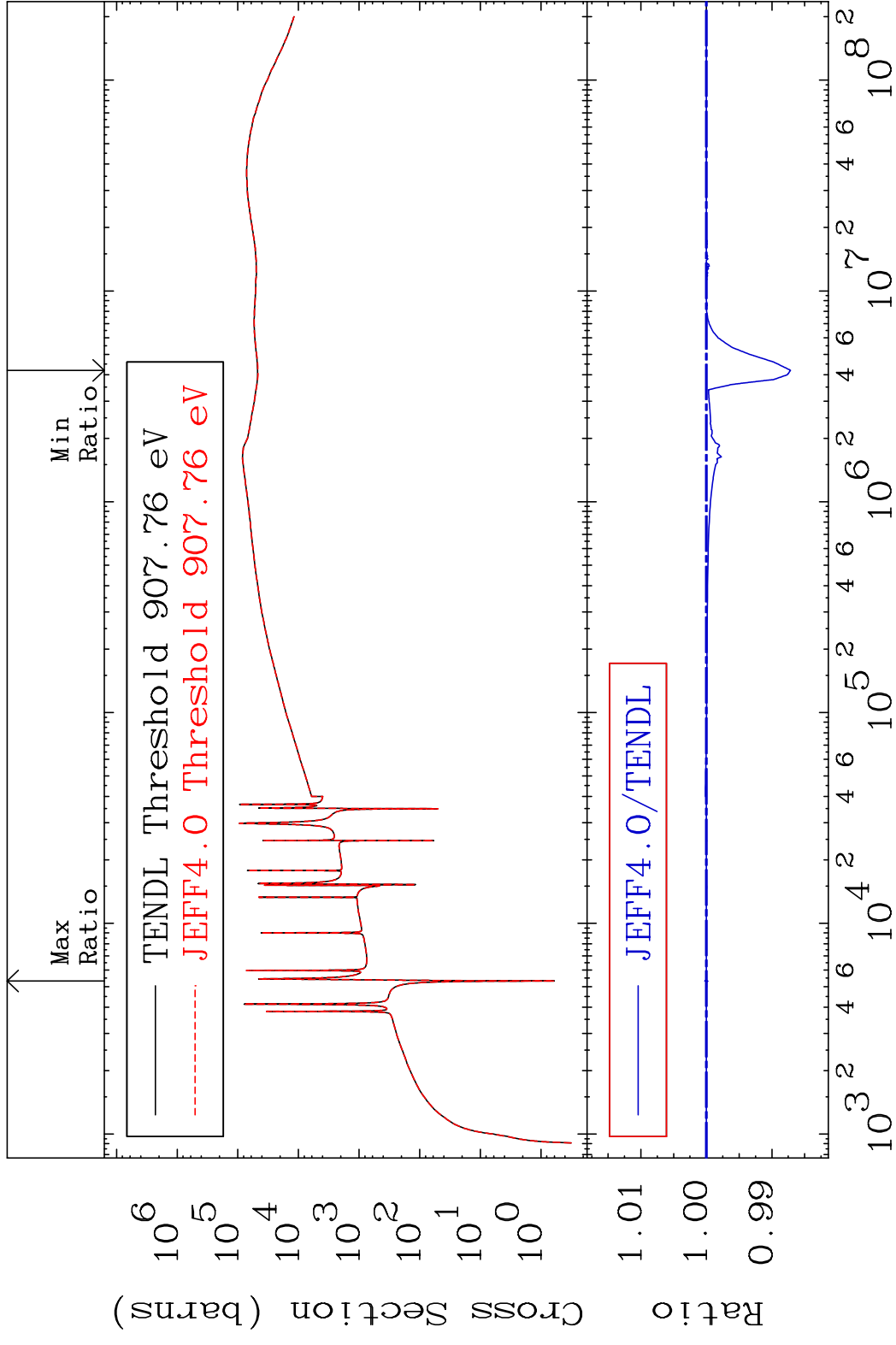
40-Zr-96

MAT 4043

Dpa elastic (mt2)

40-Zr-96

Cross Section -1.284 To 0.031 %



75

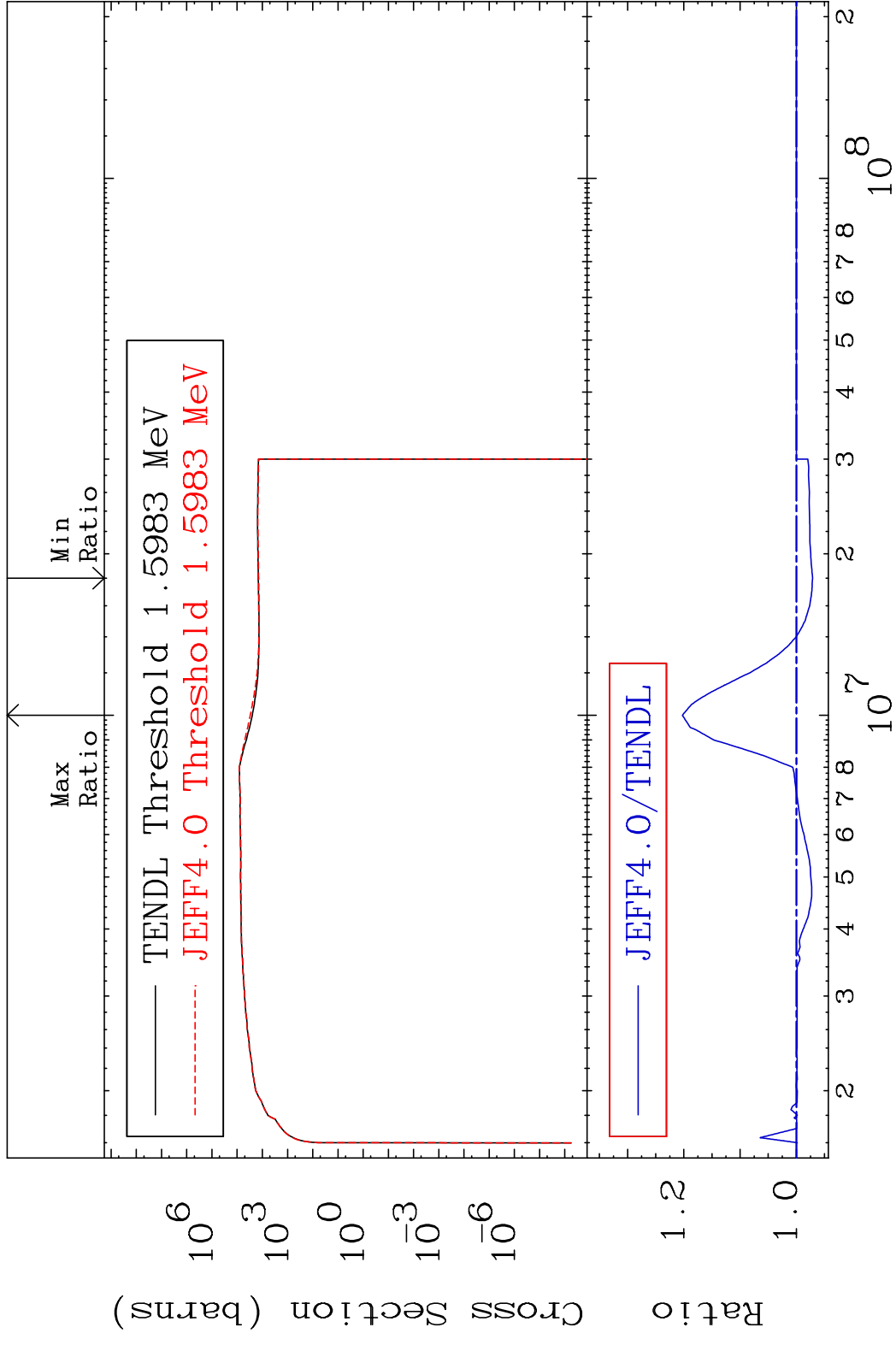
Incident Energy (eV)

40-Zr-96

MAT 4043

Dpa inelastic (mt51-91) 40-Zr-96

Cross Section -2.875 To 20.26 %

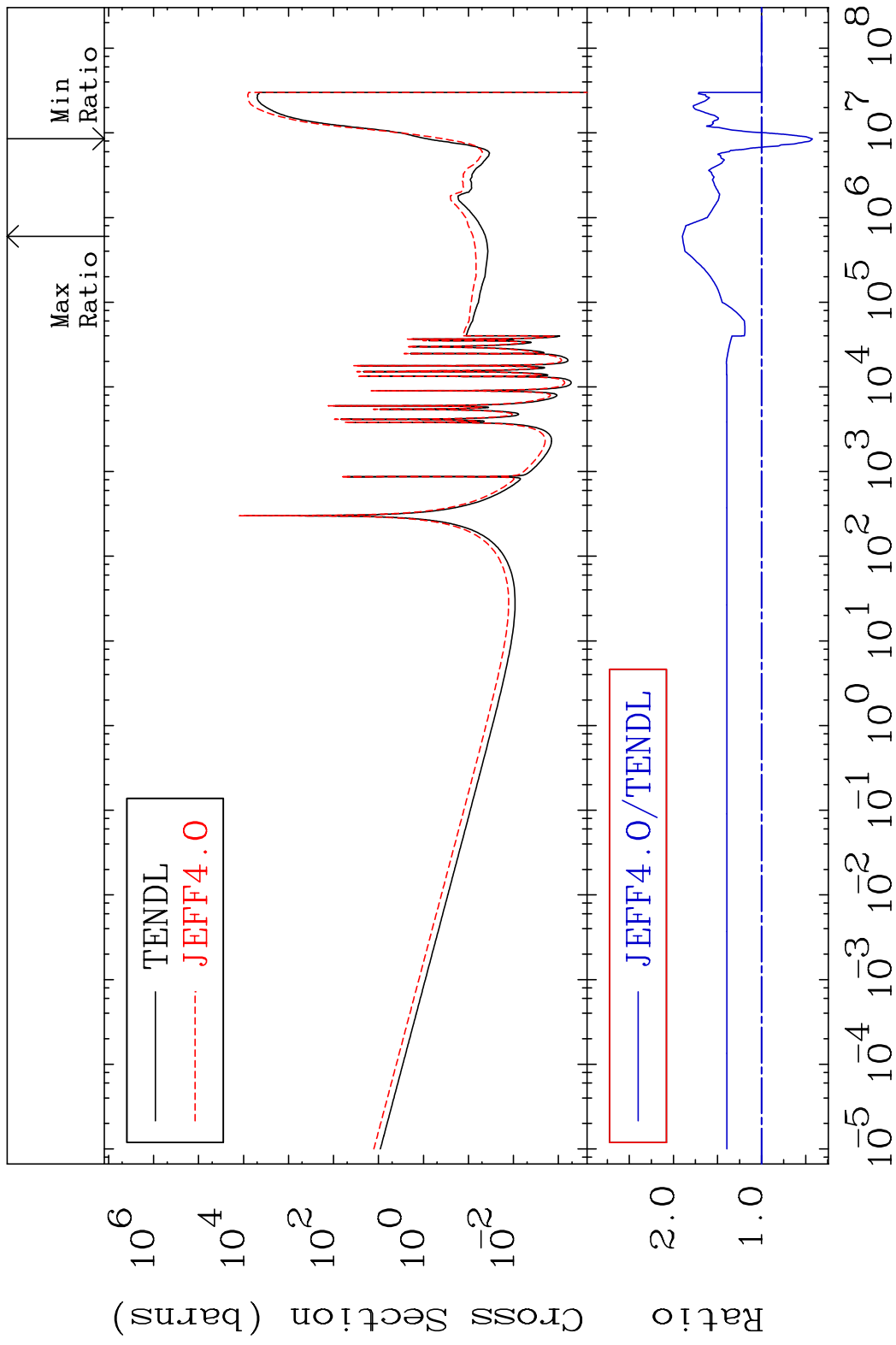


76

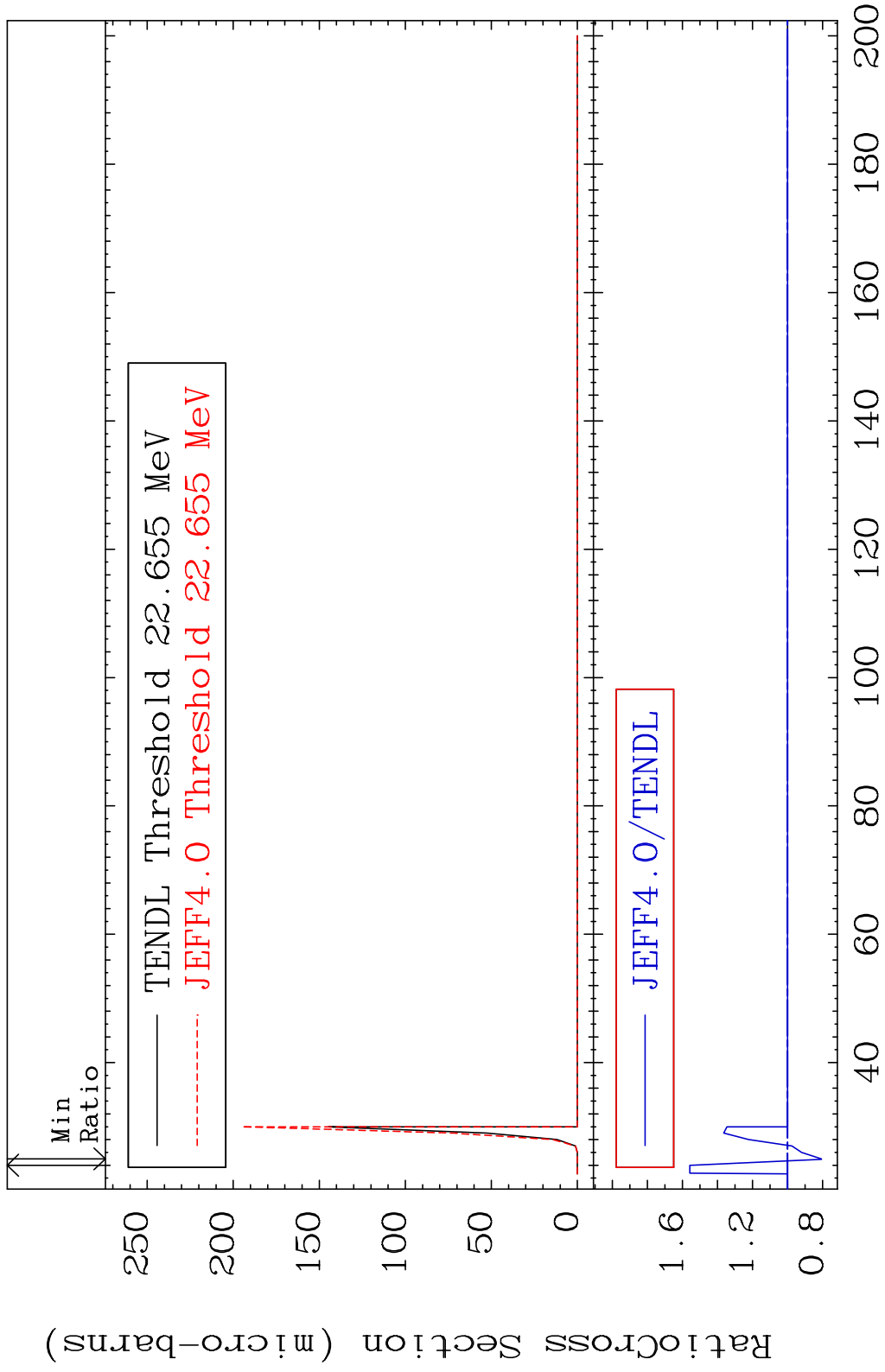
Incident Energy (eV)

40-Zr-96

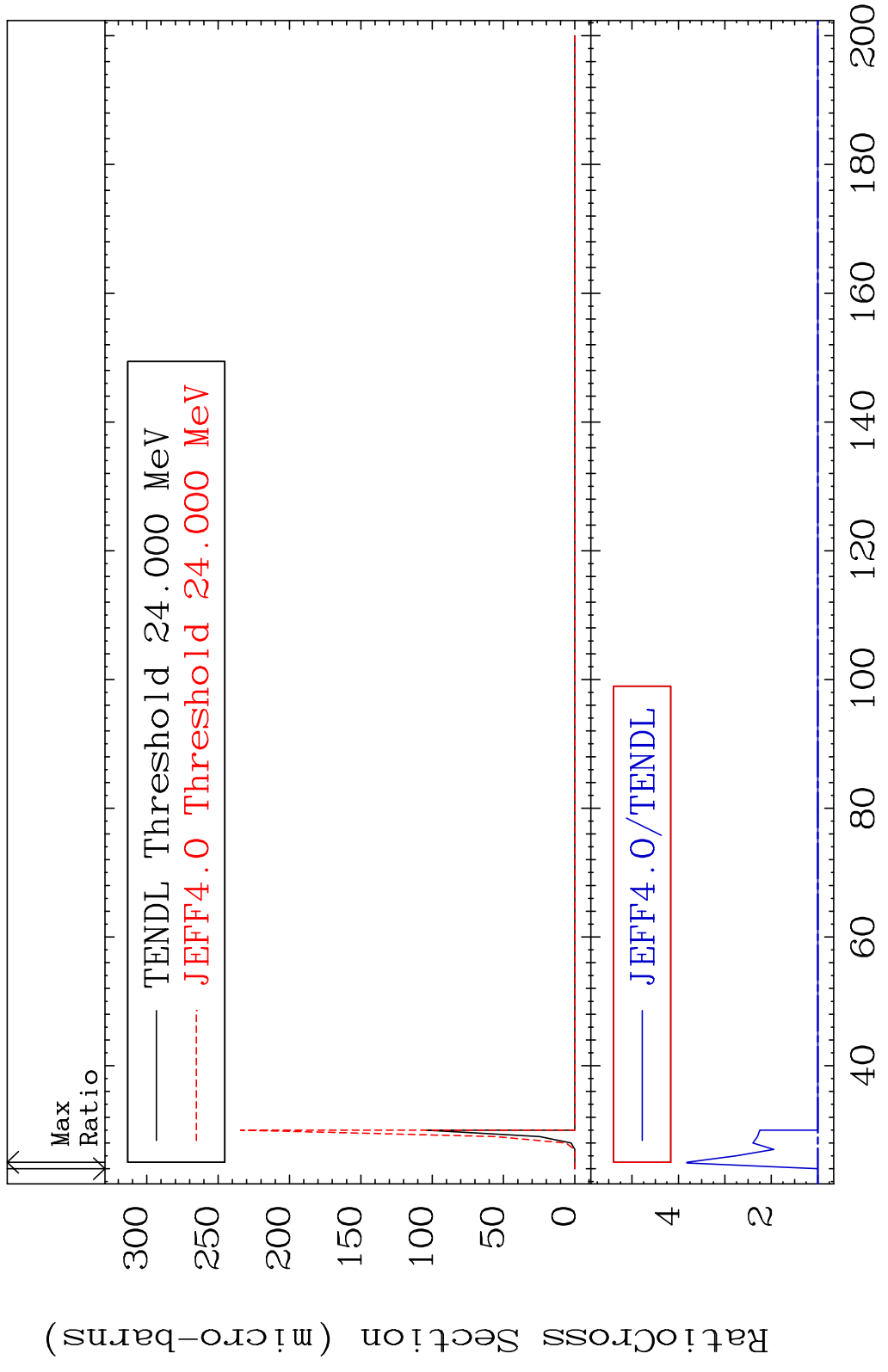
MAT 4043 Dpa disappearance (mt102 -120) 40-Zr-96
 Cross Section -57.75 To 89.85 %



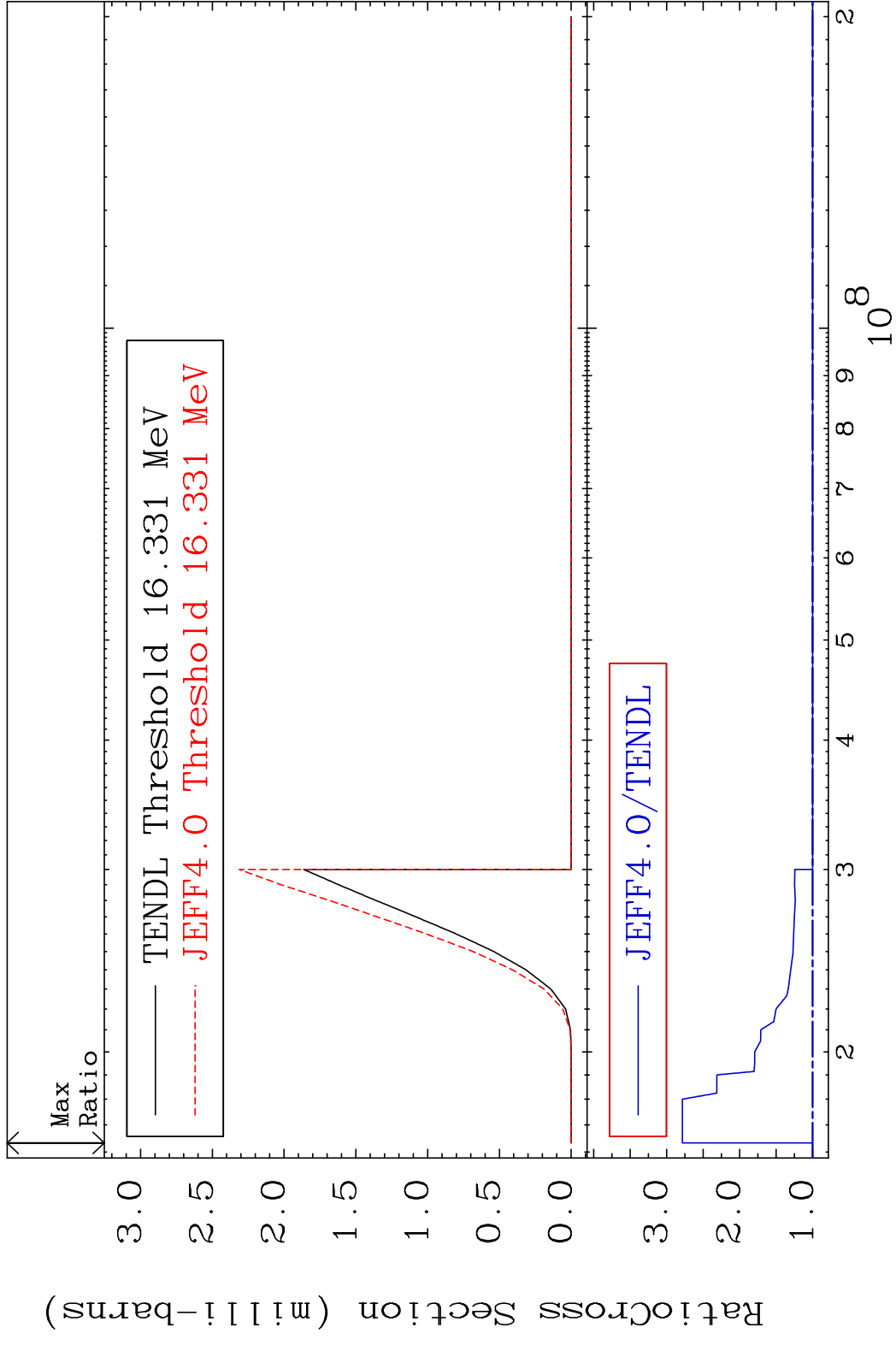
MAT 4043 (n,2n) d:39-Y -93g 40-Zr-96
 Radionuclide Production Cross Section 19e341d10 55.84 %



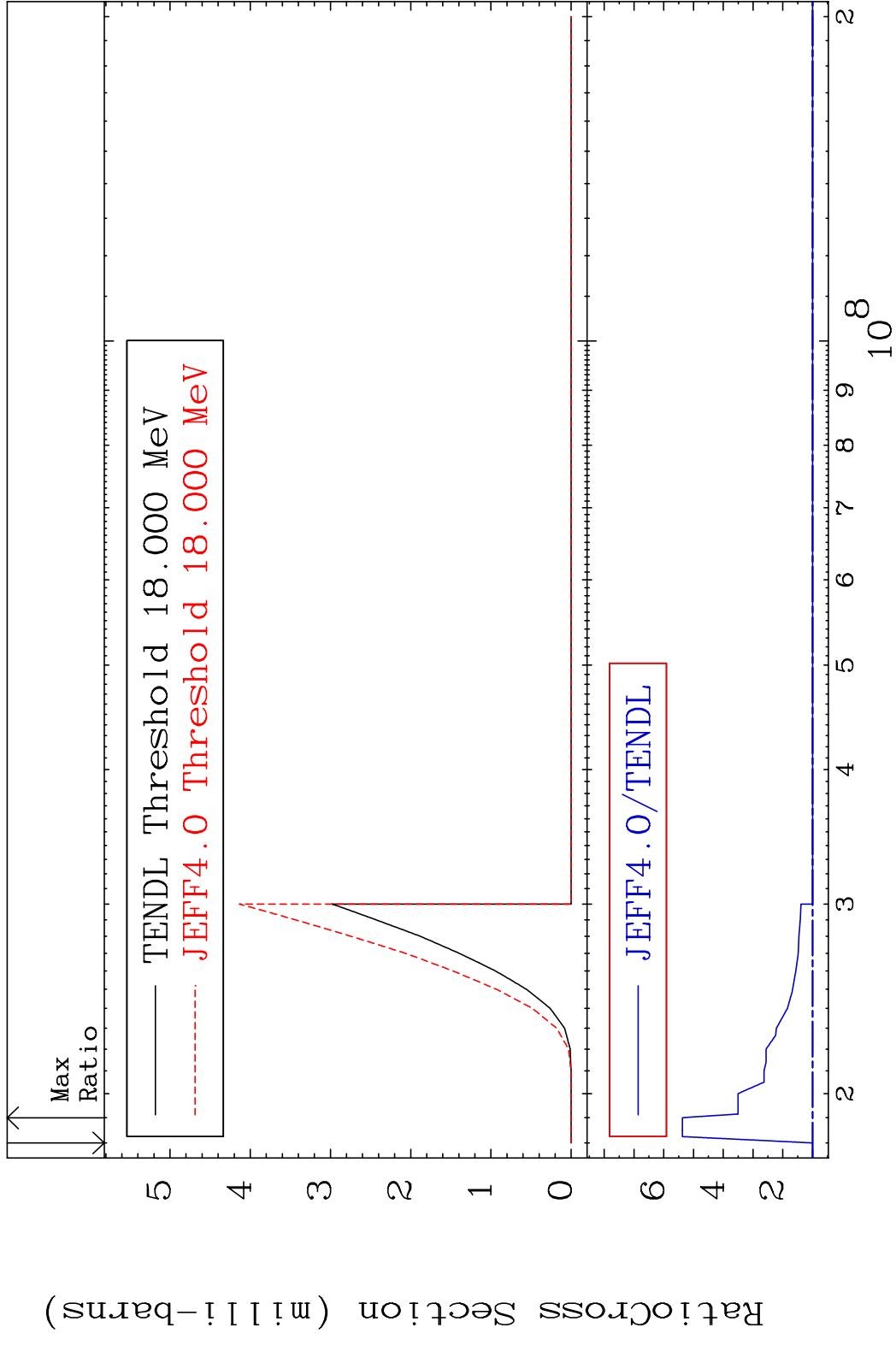
MAT 4043 (n,2n) d:39-Y -93m2 40-Zr-96
 Radionuclide Production Cross Section 282.2 %



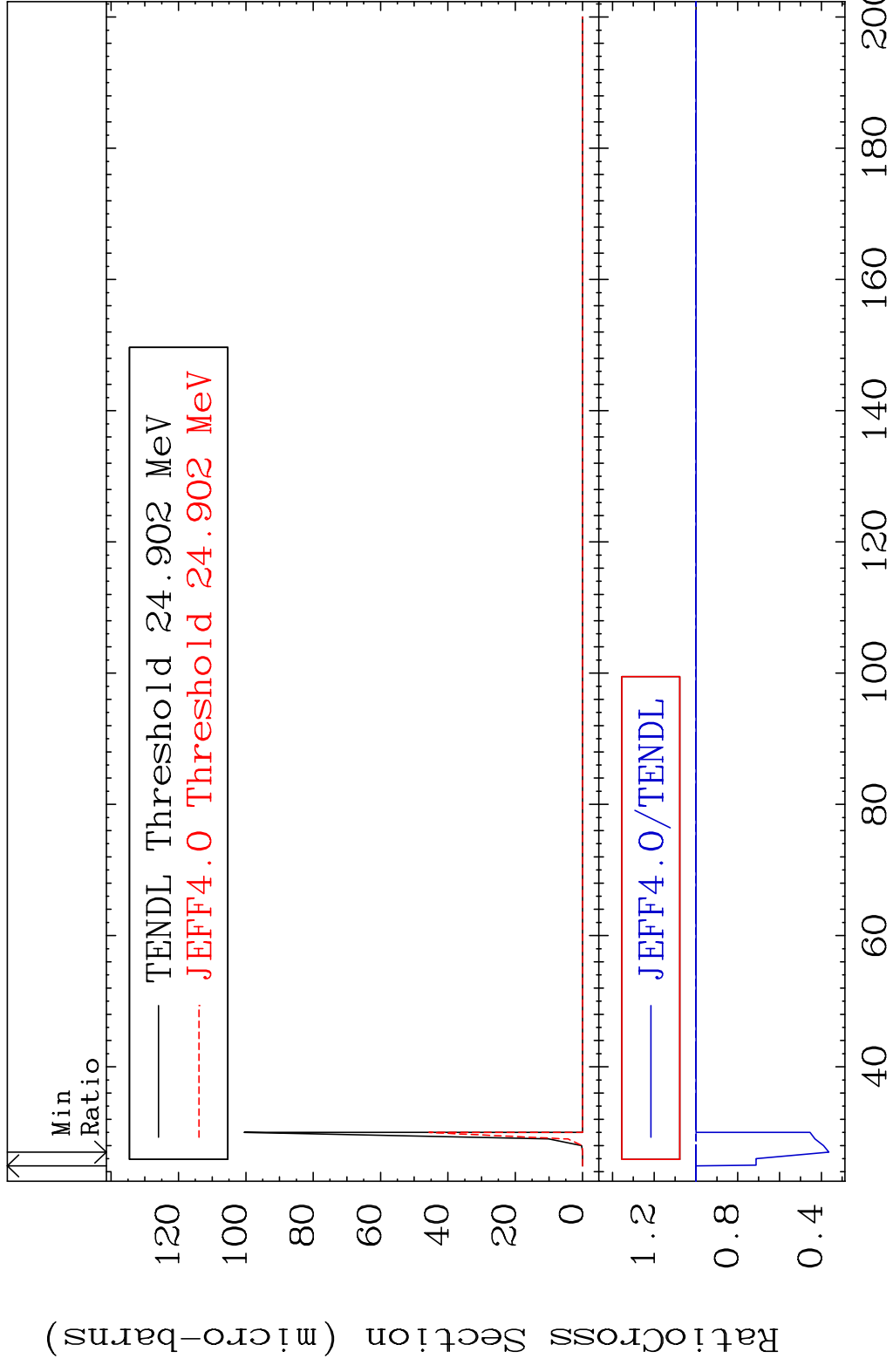
MAT 4043 (n, n') t:39-Y -93g 40-Zr-96
 Radionuclide Production Cross Section 178.5 %

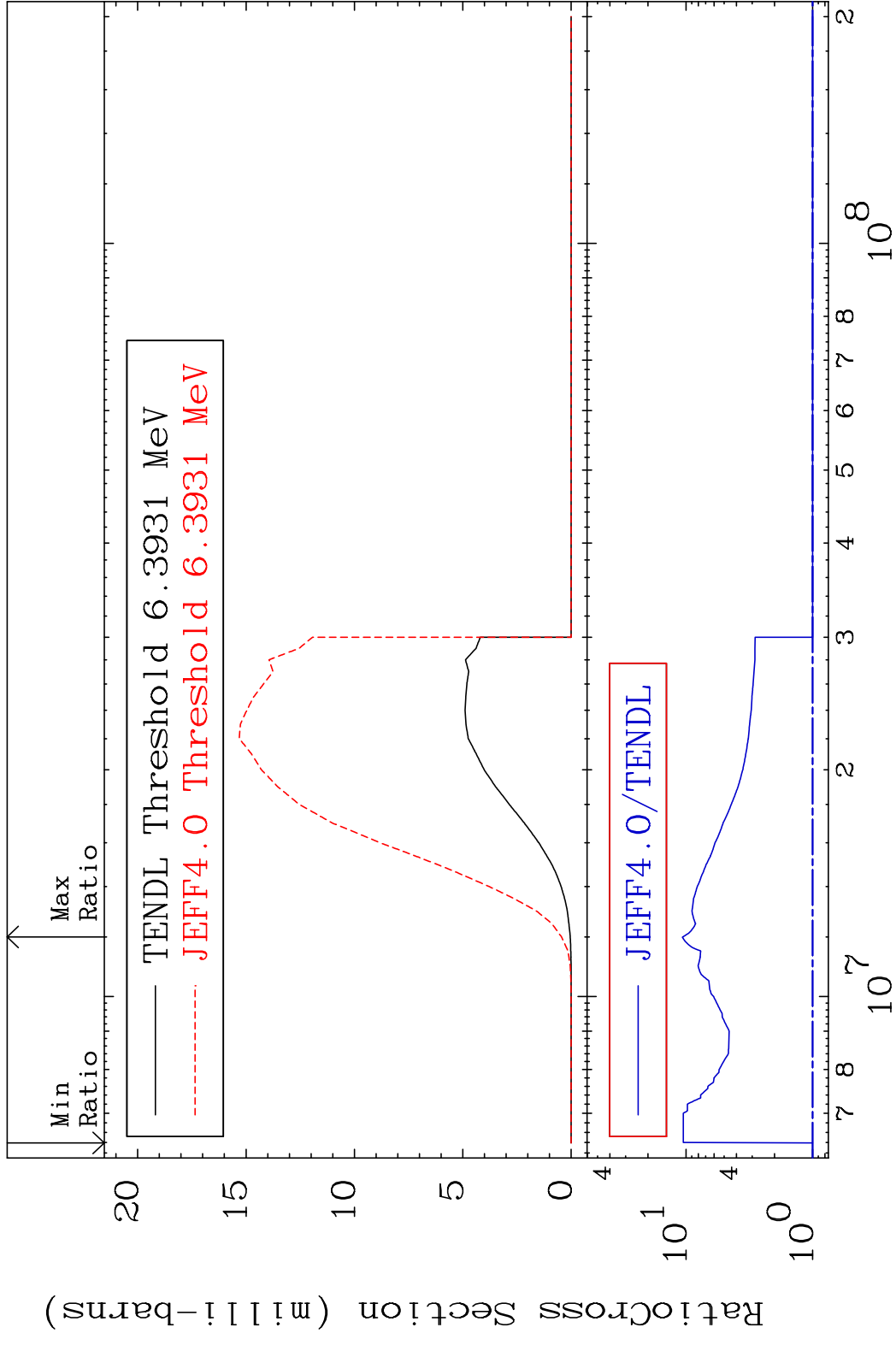


MAT 4043 (n, n') t:39-Y -93m2 40-Zr-96
 Radionuclide Production Cross Section 437.5 %

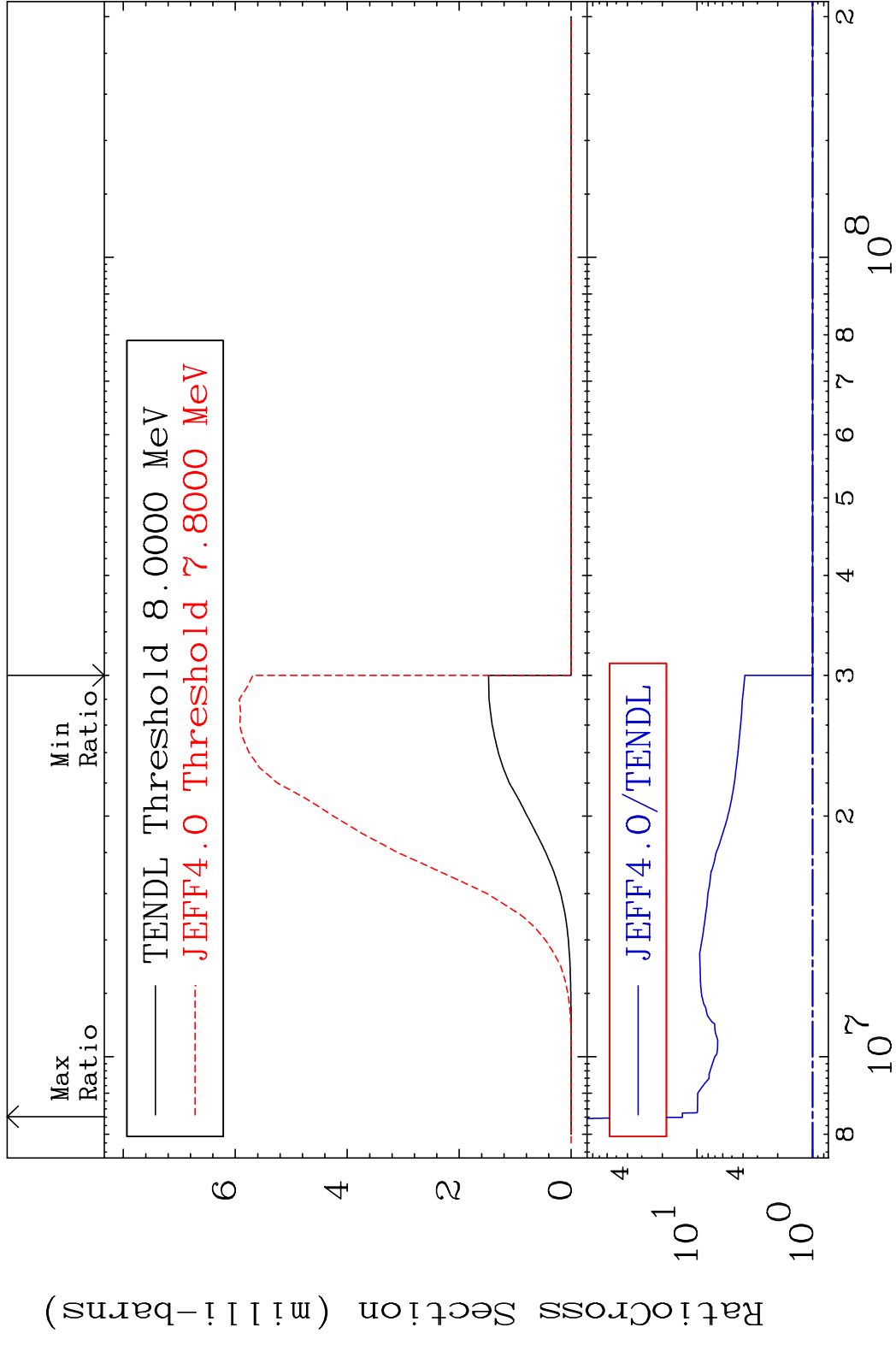


MAT 4043 (n,3n) p:39-Y -93g 40-Zr-96
 Radionuclide Production Cross Section 0.000 %





MAT 4043 (n,p):39-Y -96m5 40-Zr-96
 Radionuclide Production Cross Section 1239. %



85 Incident Energy (eV) 40-Zr-96