

Program Complot
(Version 2021-1)

by

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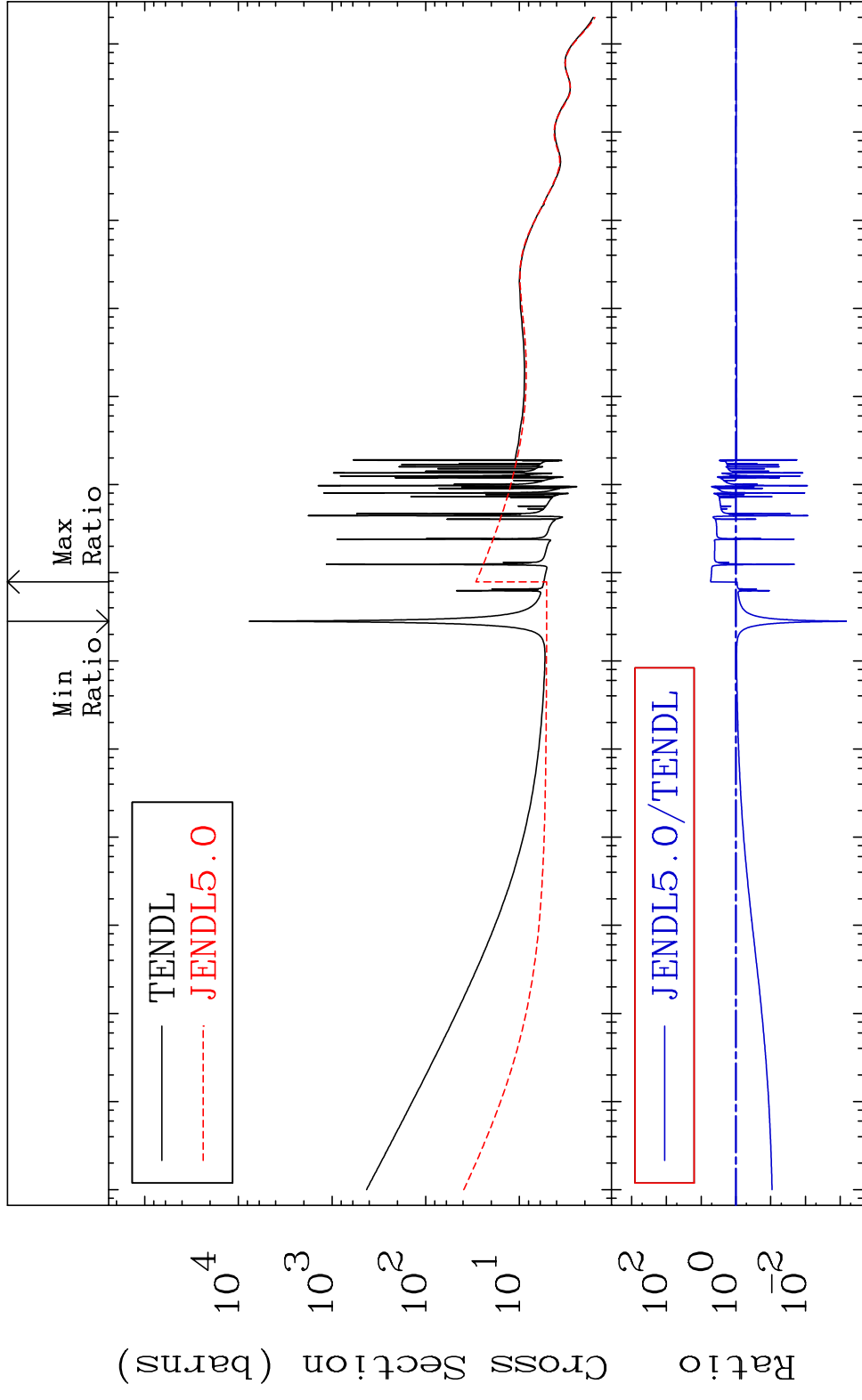
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4228

Total Cross Section -99.93 To 431.1 %

42-Mo-93



Incident Energy (eV)

42-Mo-93

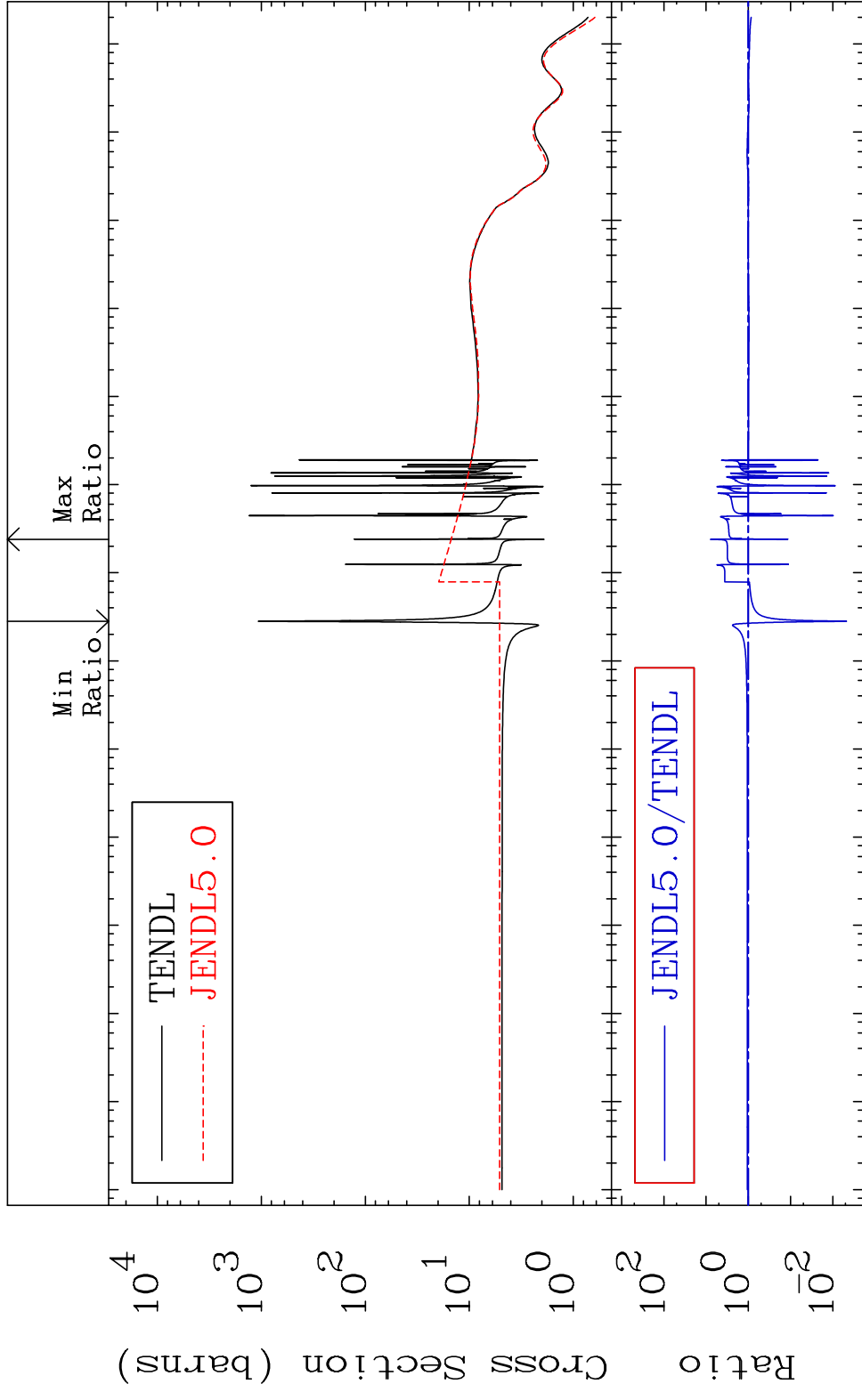
1

MAT 4228

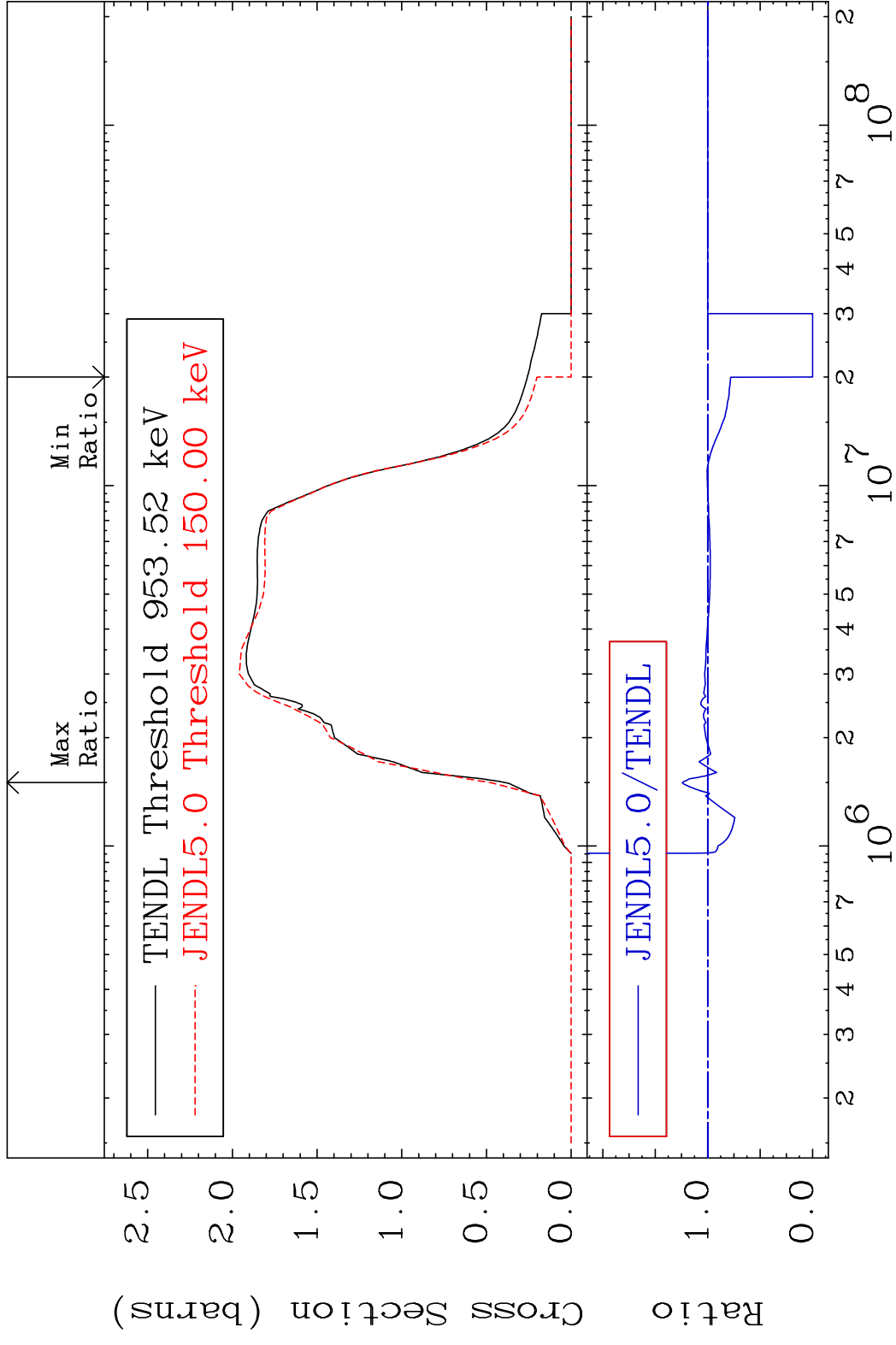
Elastic

42-Mo-93

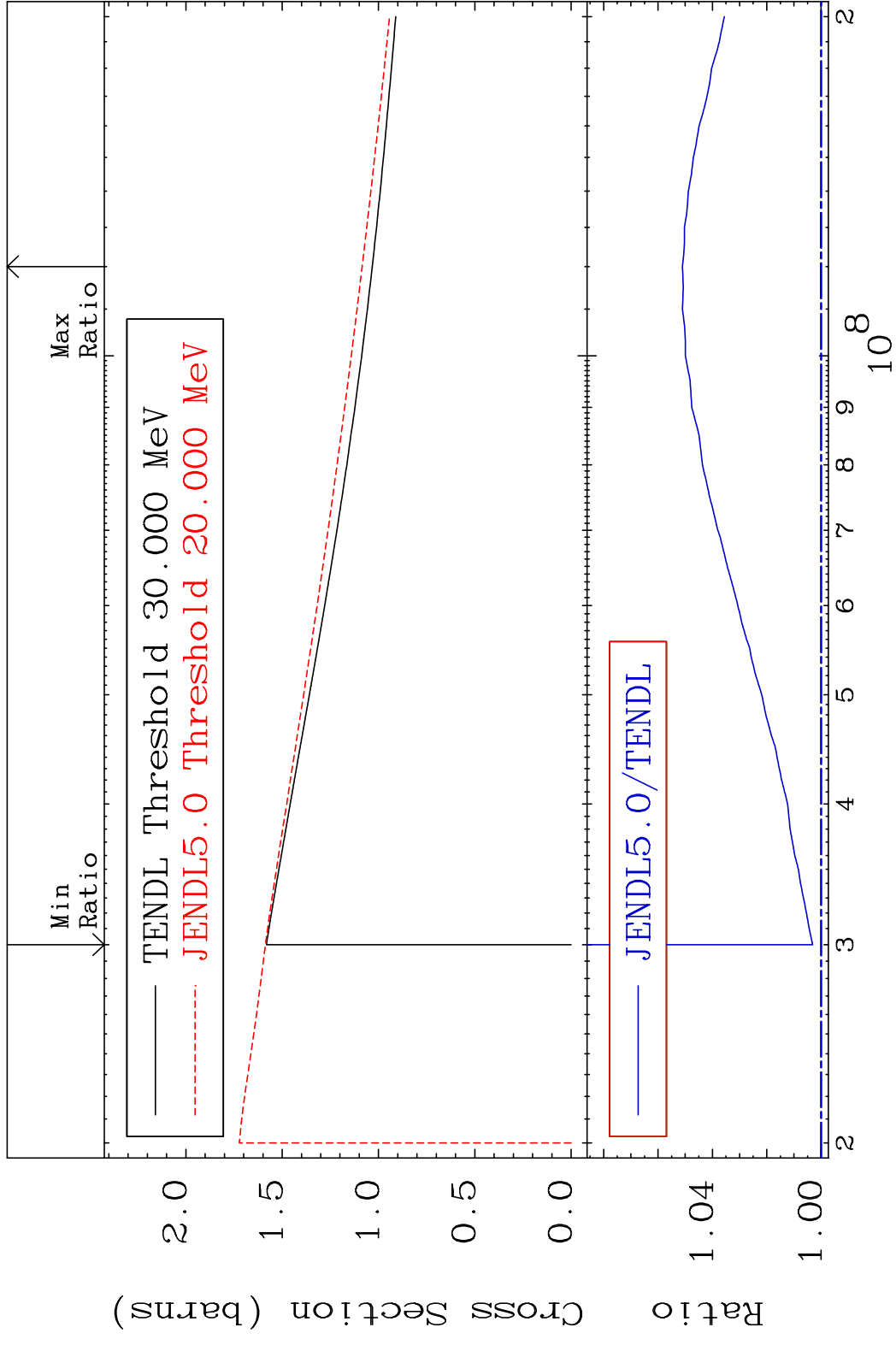
Cross Section -99.52 To 678.0 %



MAT 4228 Inelastic Cross Section -100.0 To 24.10 % 42-Mo-93



MAT 4228 (n, remainder) 42-Mo-93
 Cross Section 0.316 To 5.105 %



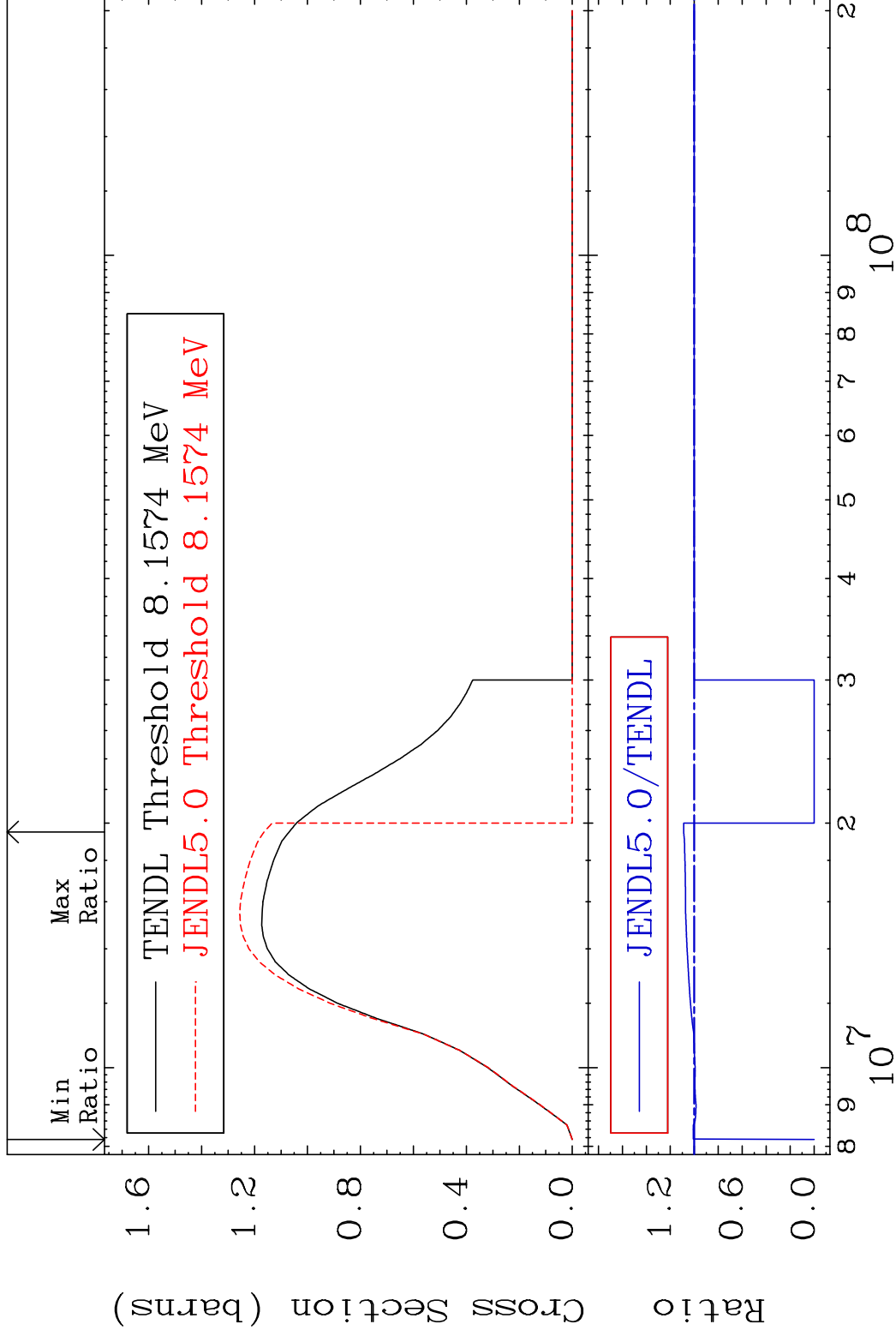
4 Incident Energy (eV) 42-Mo-93

MAT 4228

(n,2n)

42-Mo-93

Cross Section -100.0 To 8.868 %

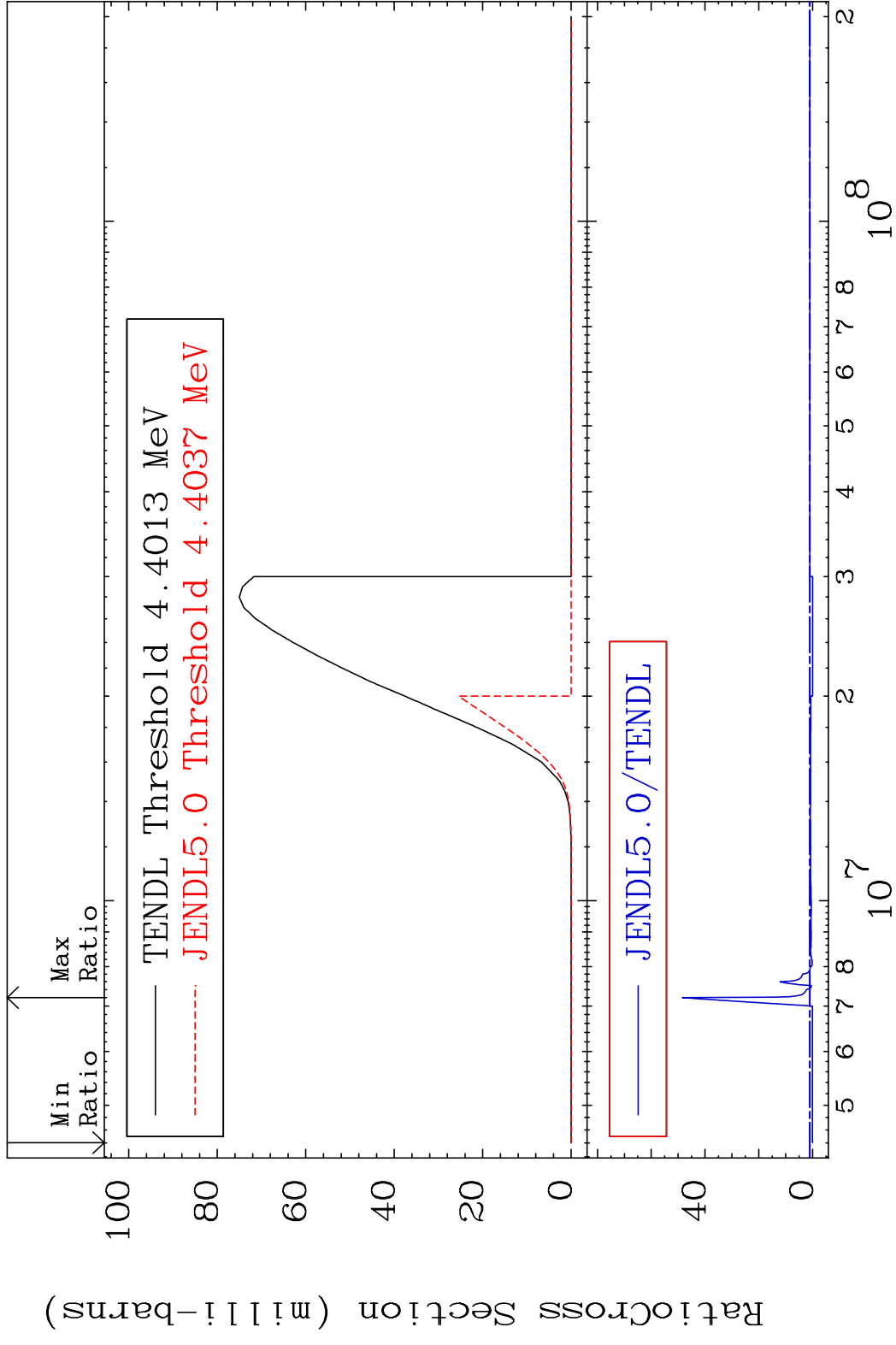


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Incident Energy (eV)

42-Mo-93

MAT 4228 (n, n') α 42-Mo-93
 Cross Section -100.0 To 4743. %

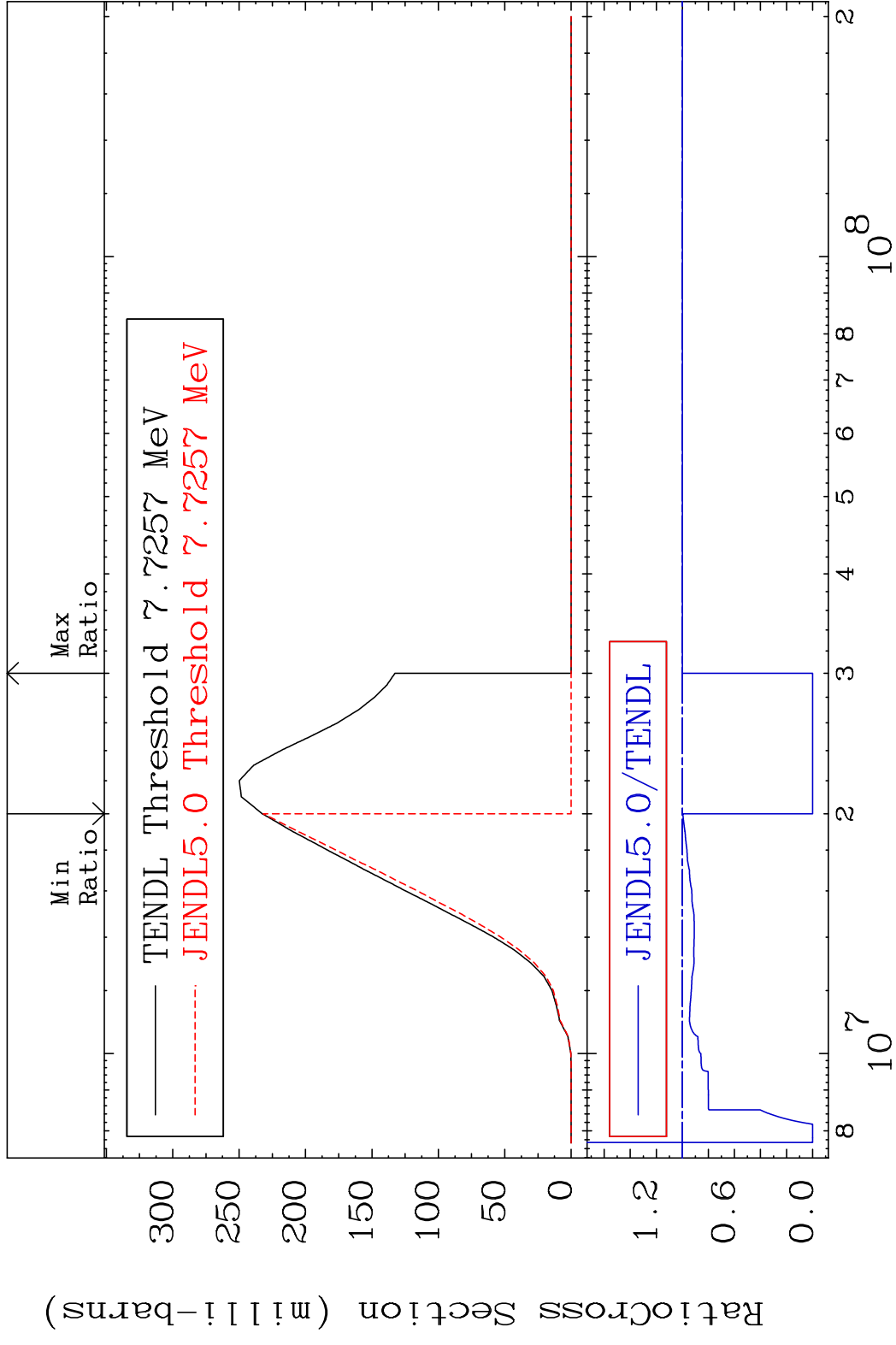


MAT 4228

(n, n') p

42-Mo-93

Cross Section -100.0 To 0.000 %

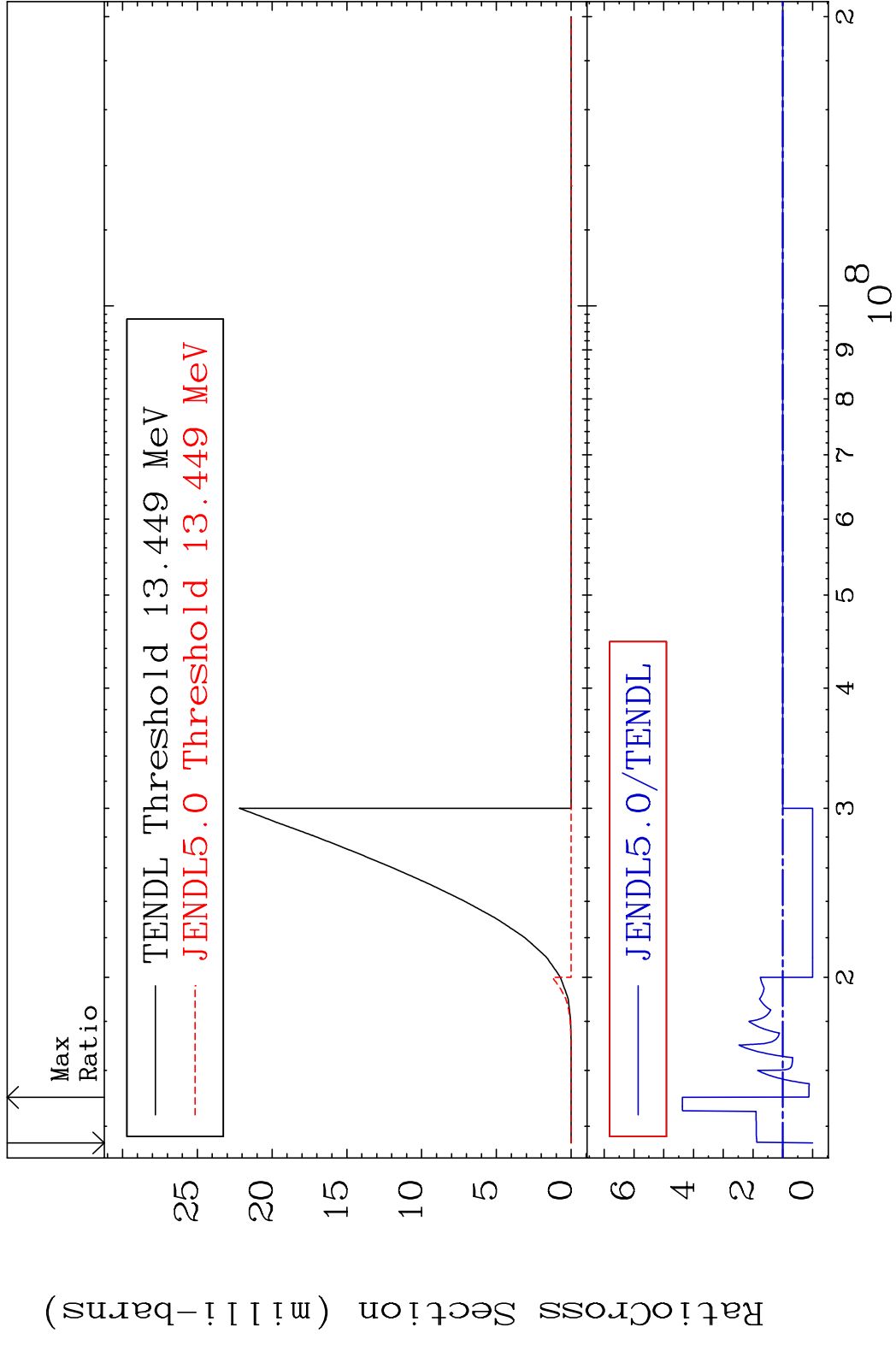


7

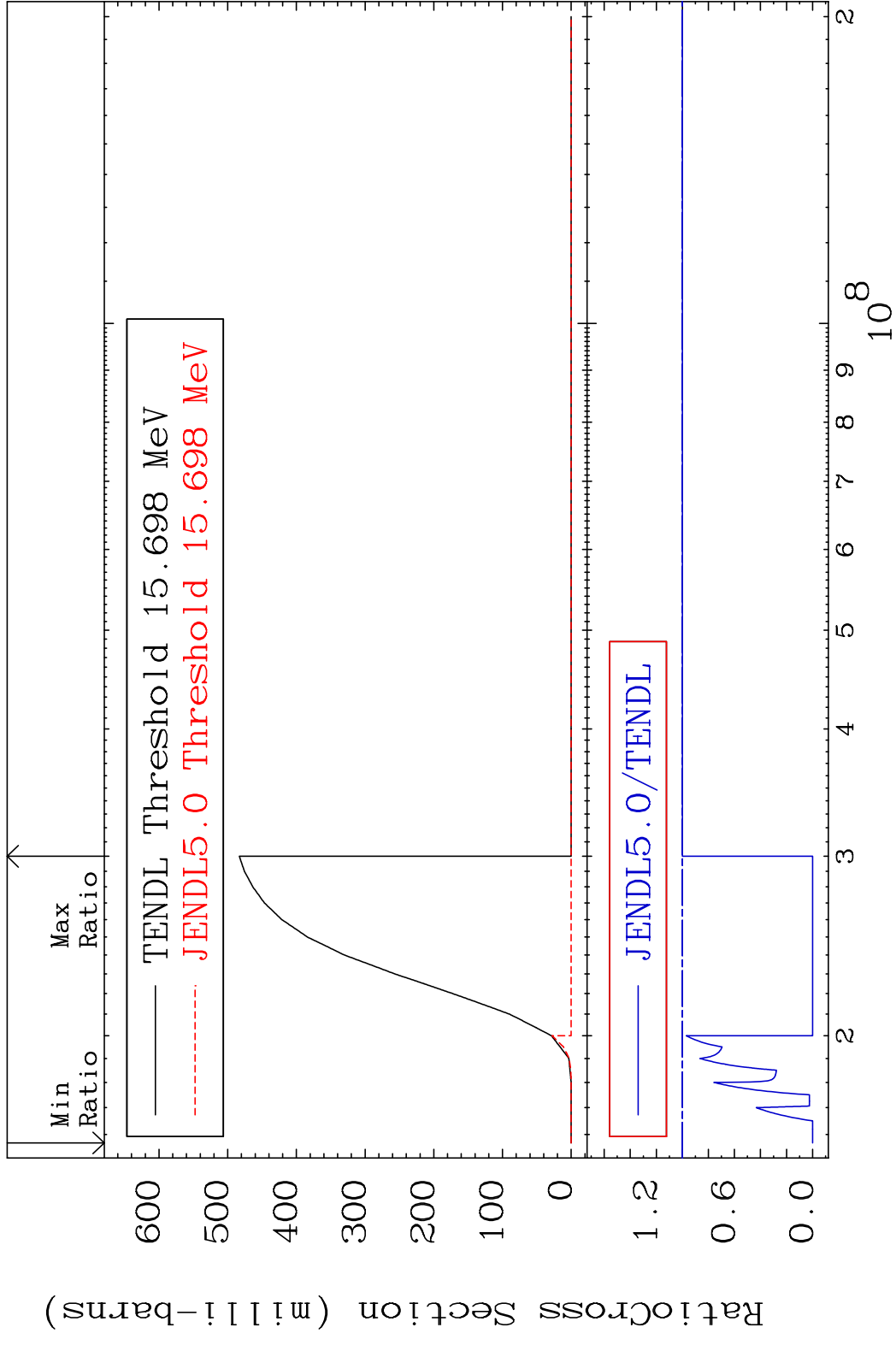
Incident Energy (eV)

42-Mo-93

MAT 4228 (n, n') d 42-Mo-93
 Cross Section -100.0 To 337.6 %



MAT 4228 (n,2n) p 42-Mo-93
 Cross Section -100.0 To 0.000 %

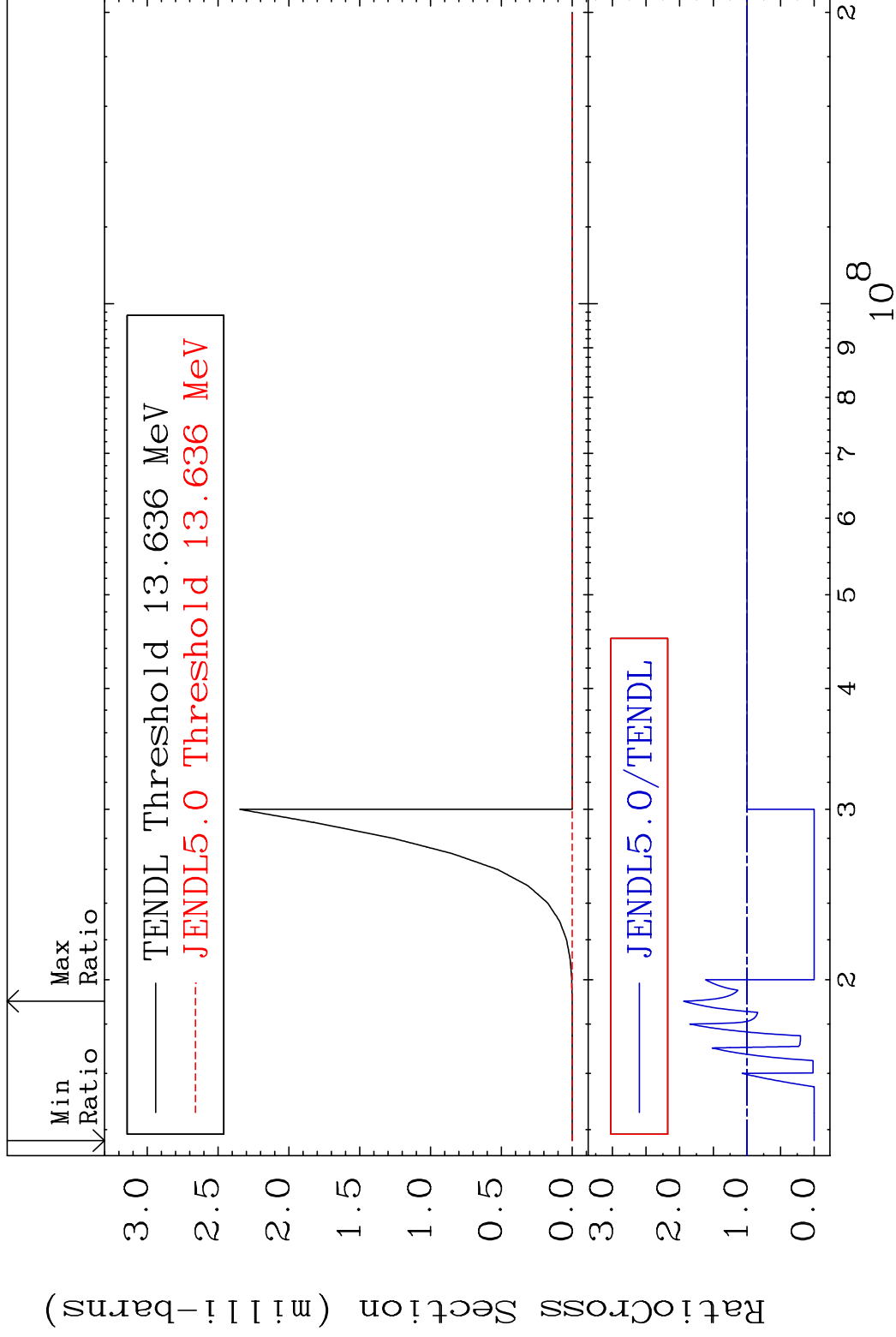


MAT 4228

(n,2n) p

42-Mo-93

Cross Section -100.0 To 94.08 %

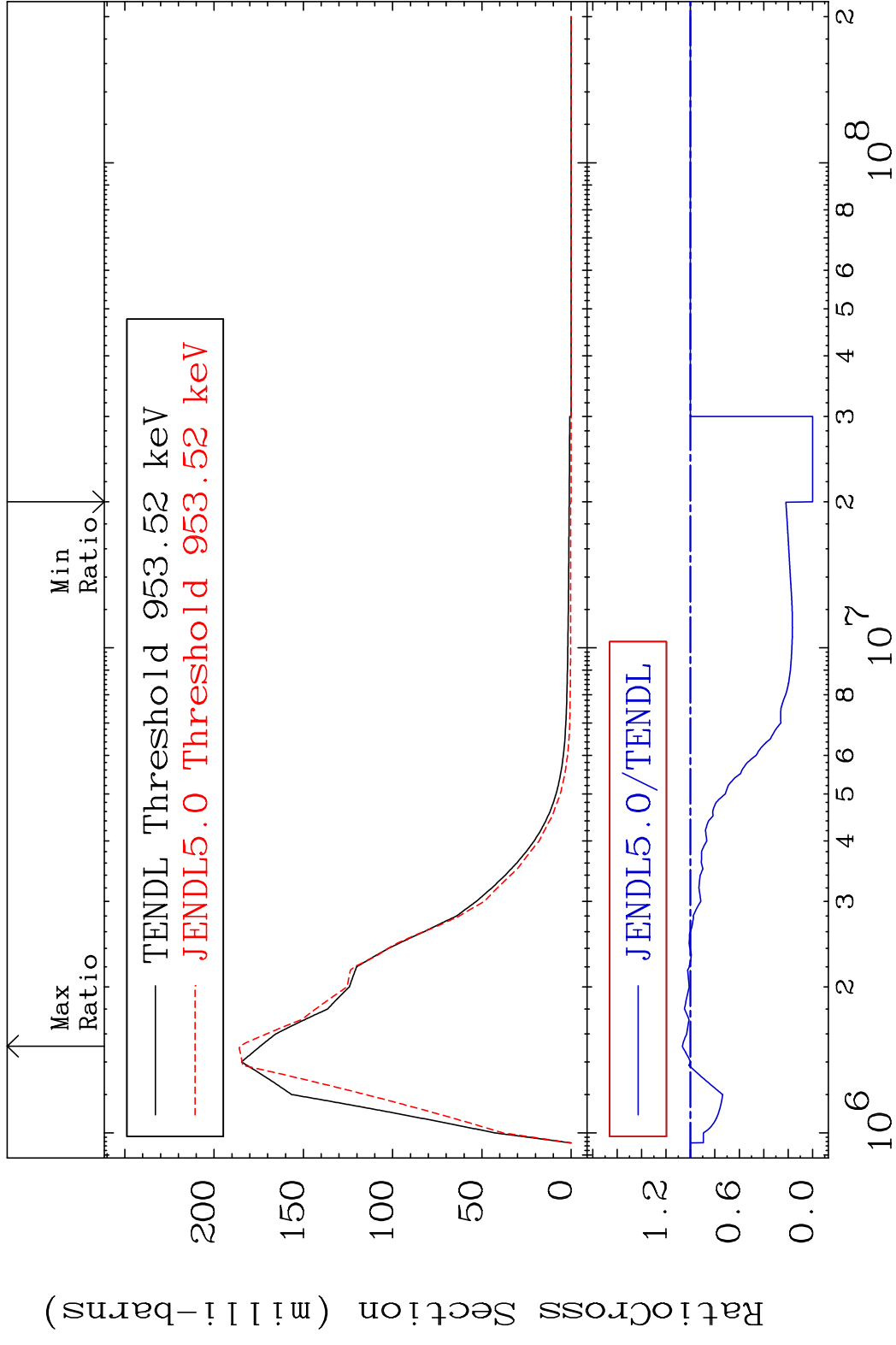


10

Incident Energy (eV)

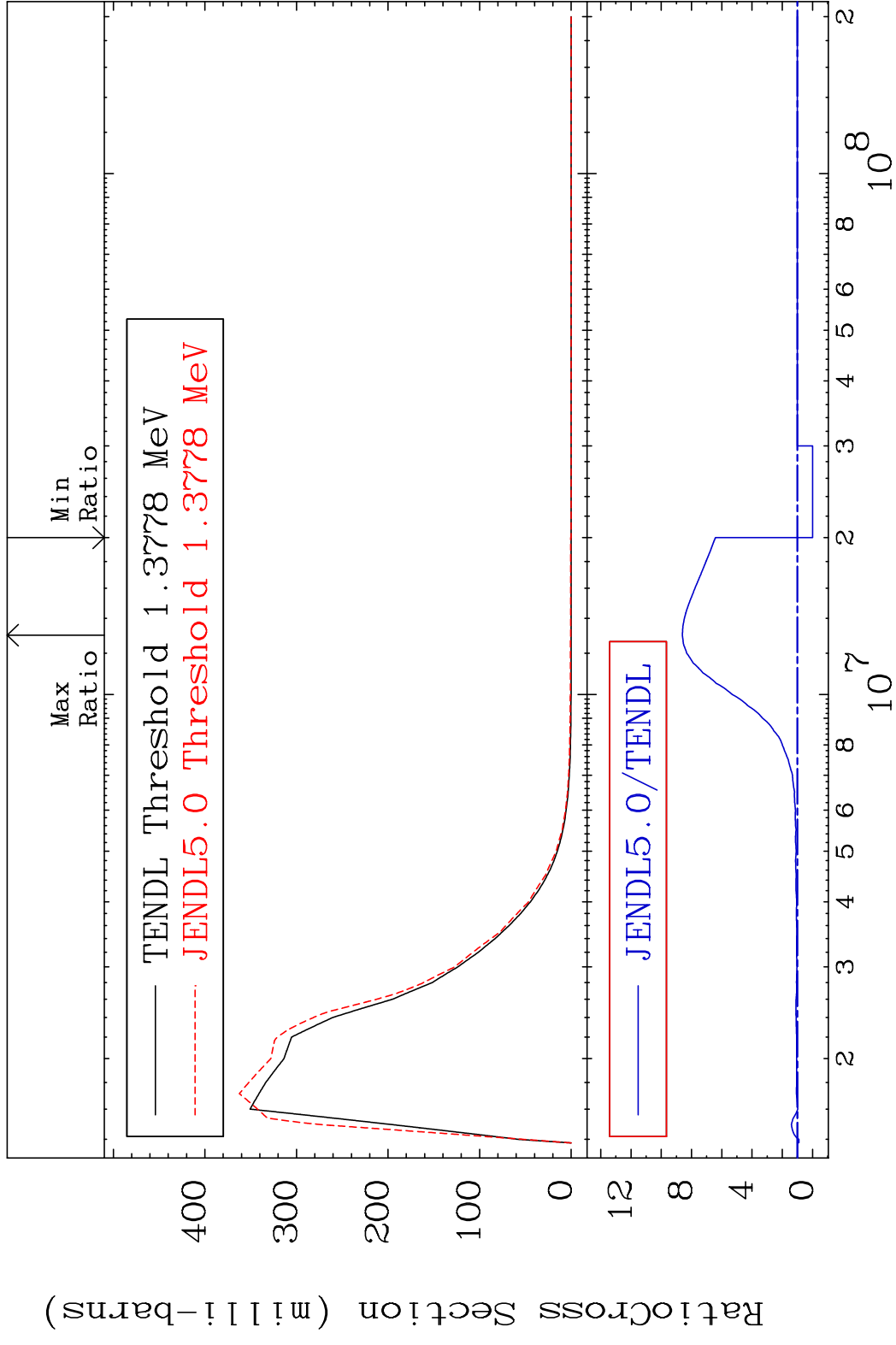
42-Mo-93

MAT 4228 MT= 51 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 6.634 %

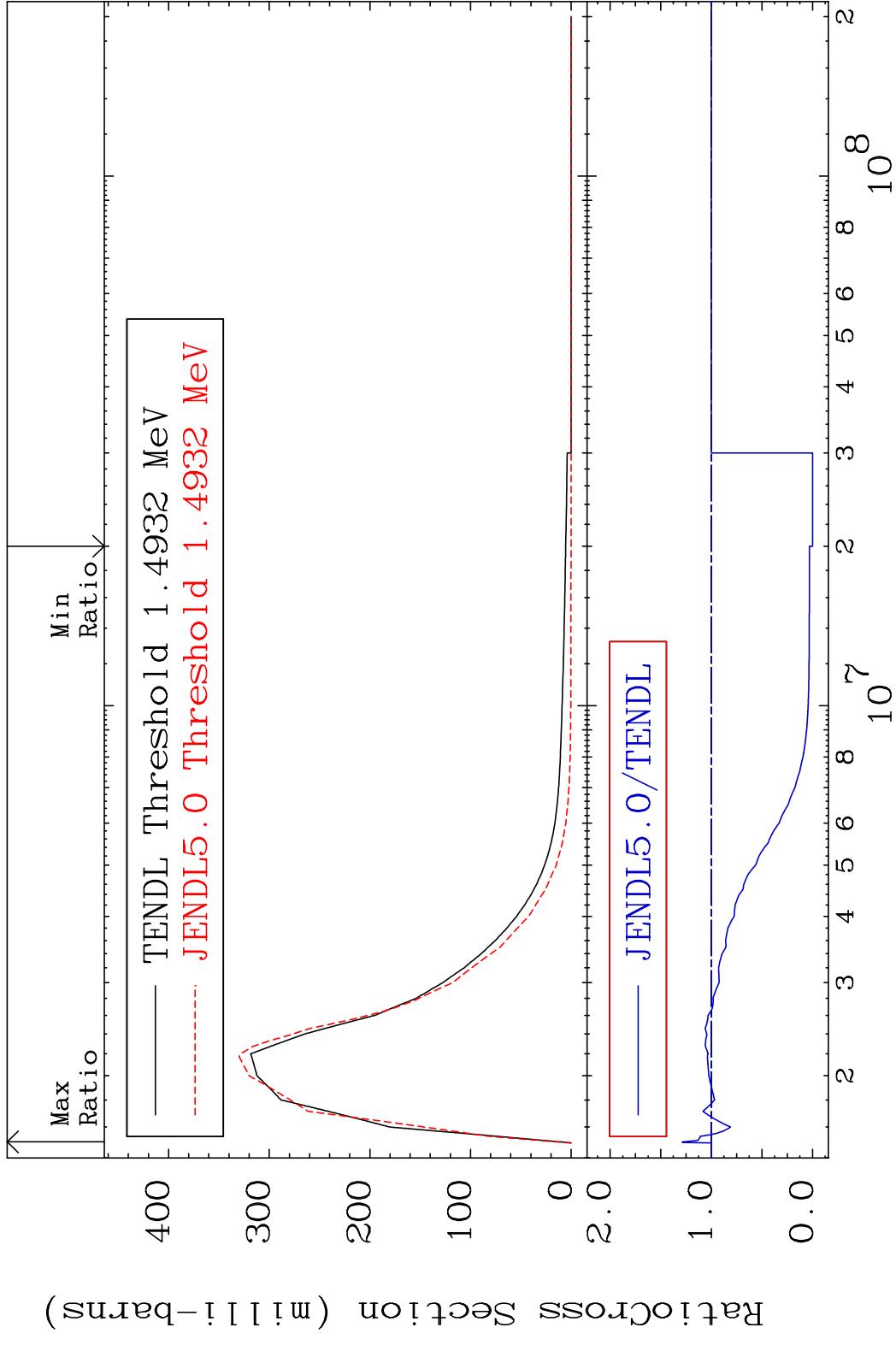


11 Incident Energy (eV) 42-Mo-93

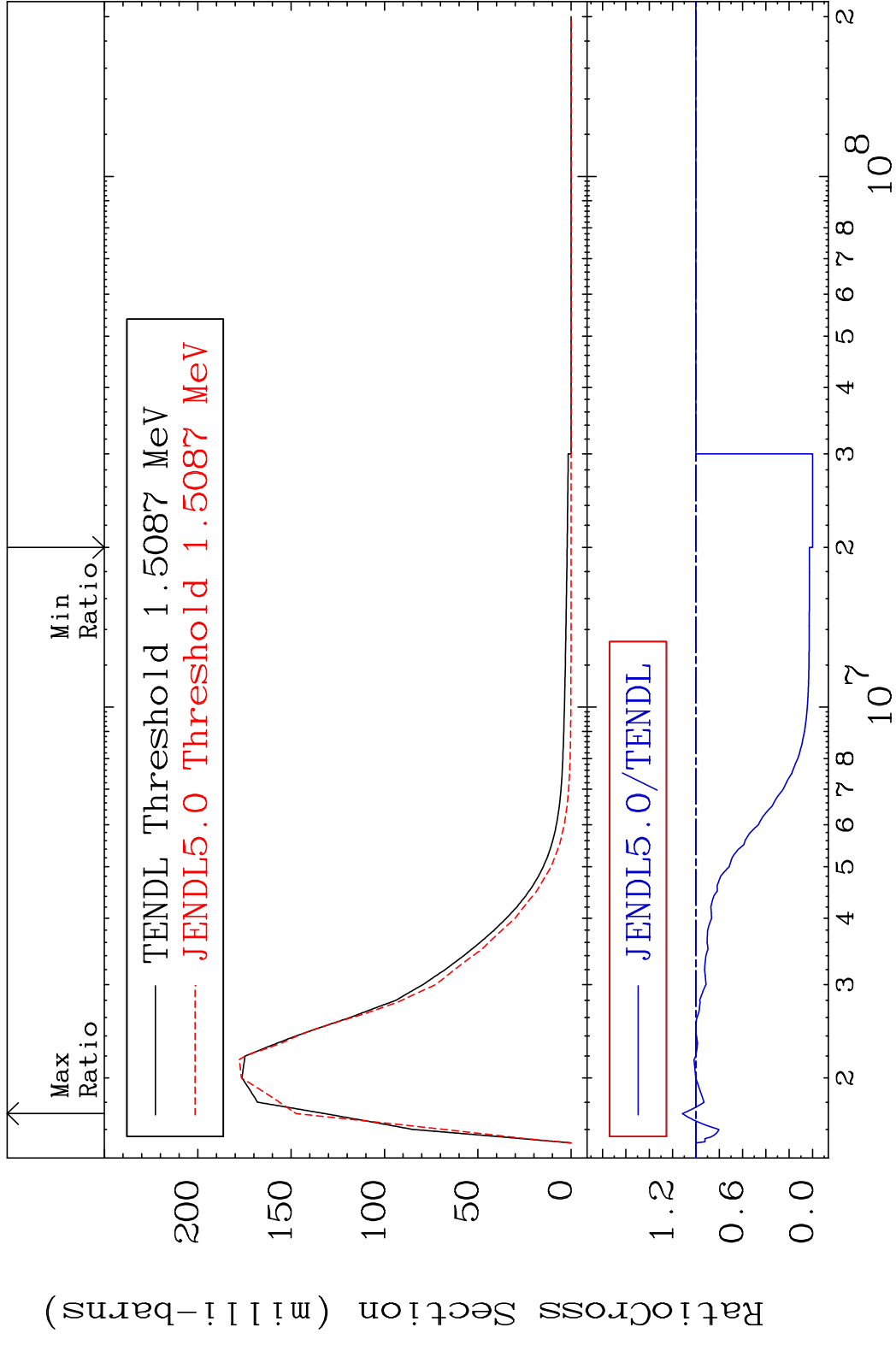
MAT 4228 MT= 52 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 760.5 %



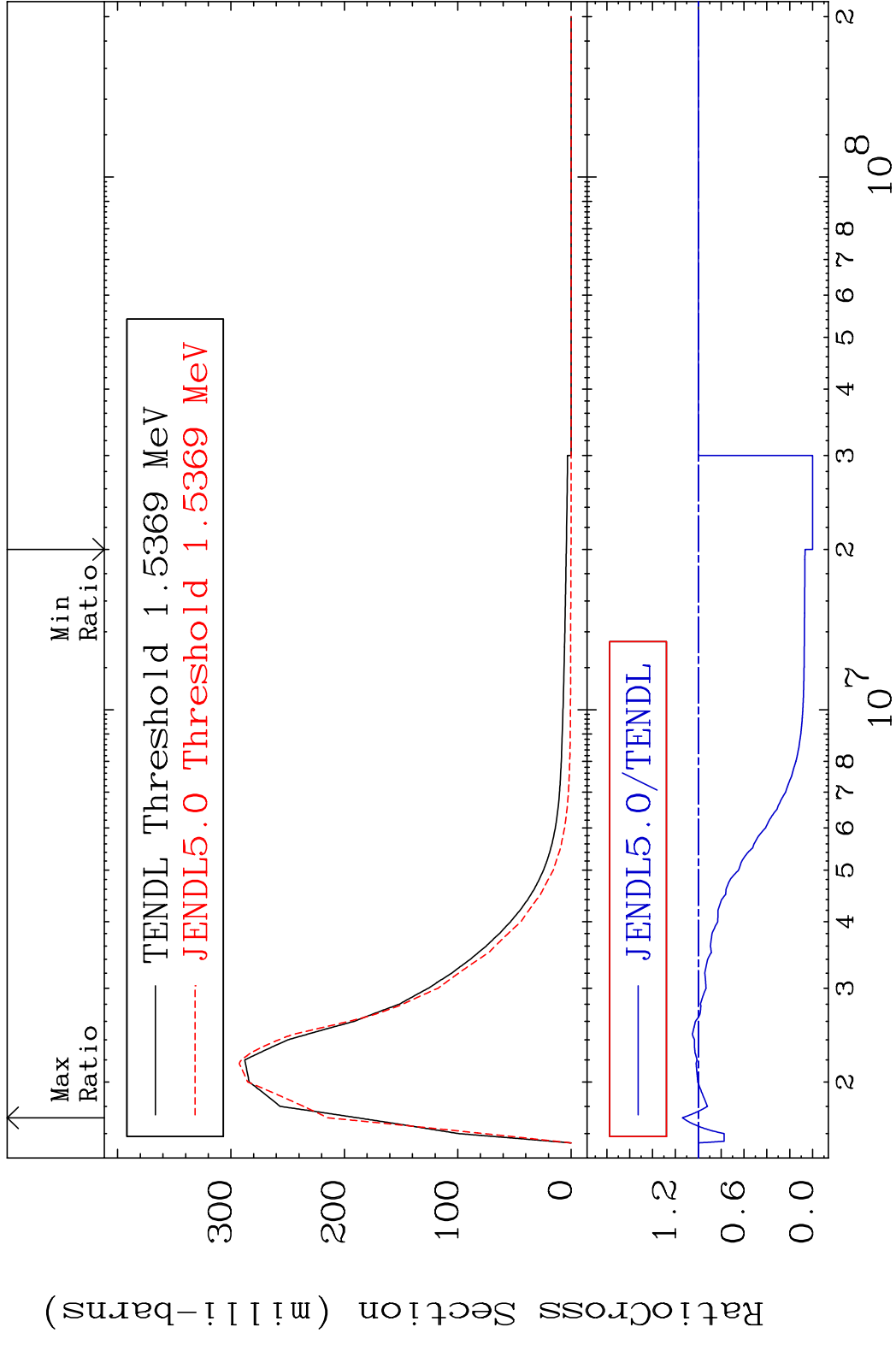
MAT 4228 MT= 53 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 28.63 %



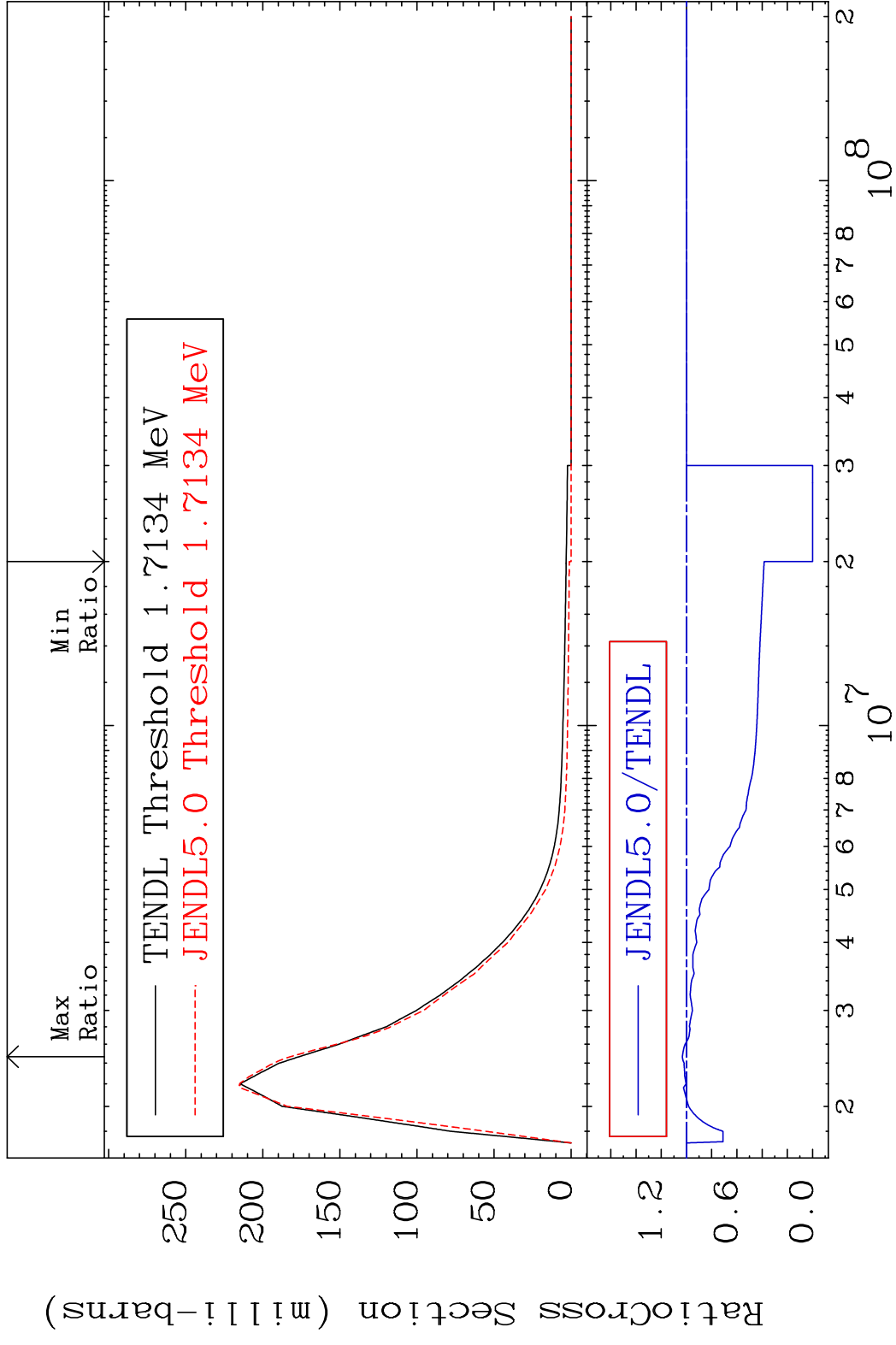
MAT 4228 MT= 54 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 11.61 %



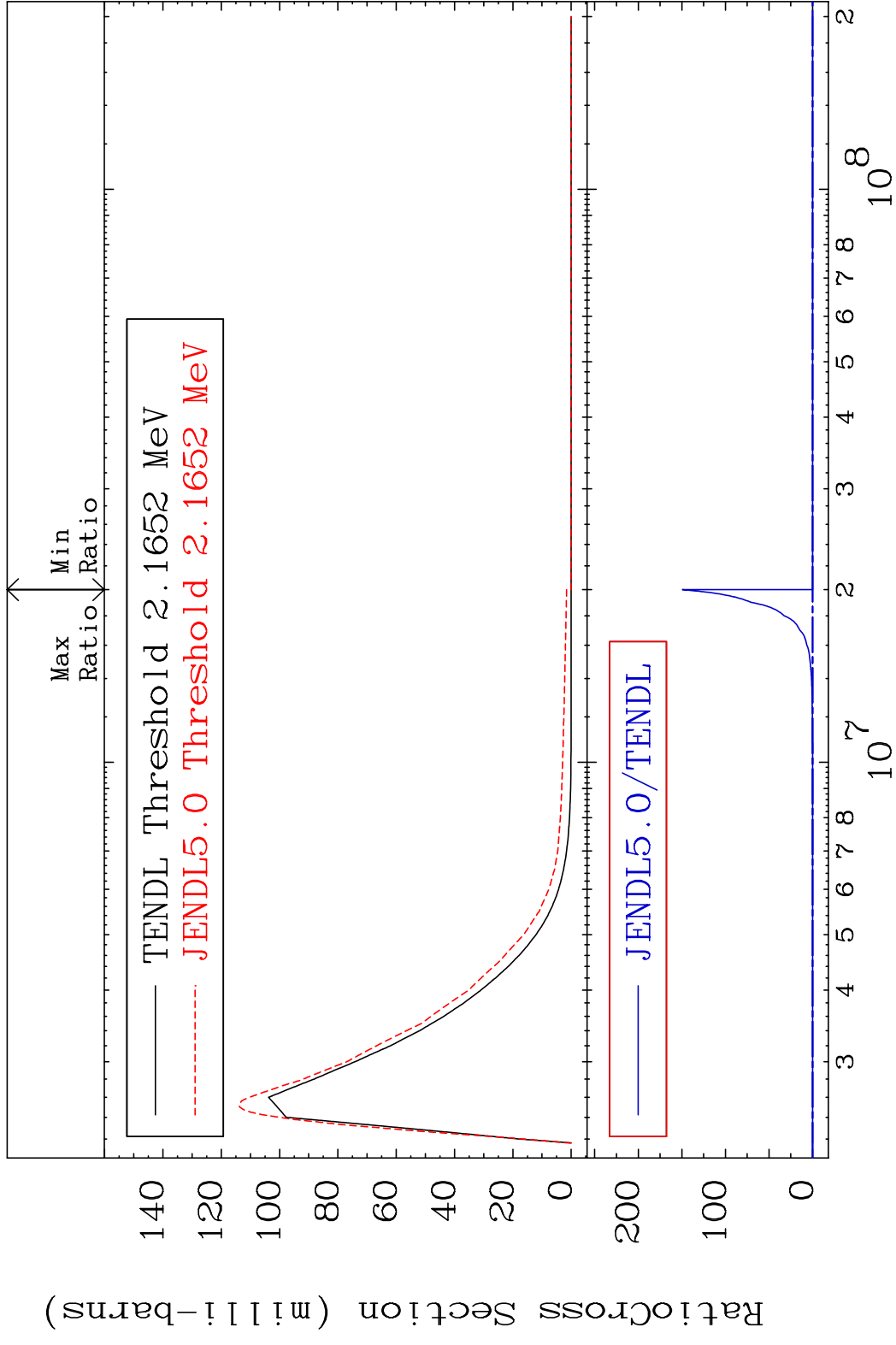
MAT 4228 MT= 55 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 13.91 %



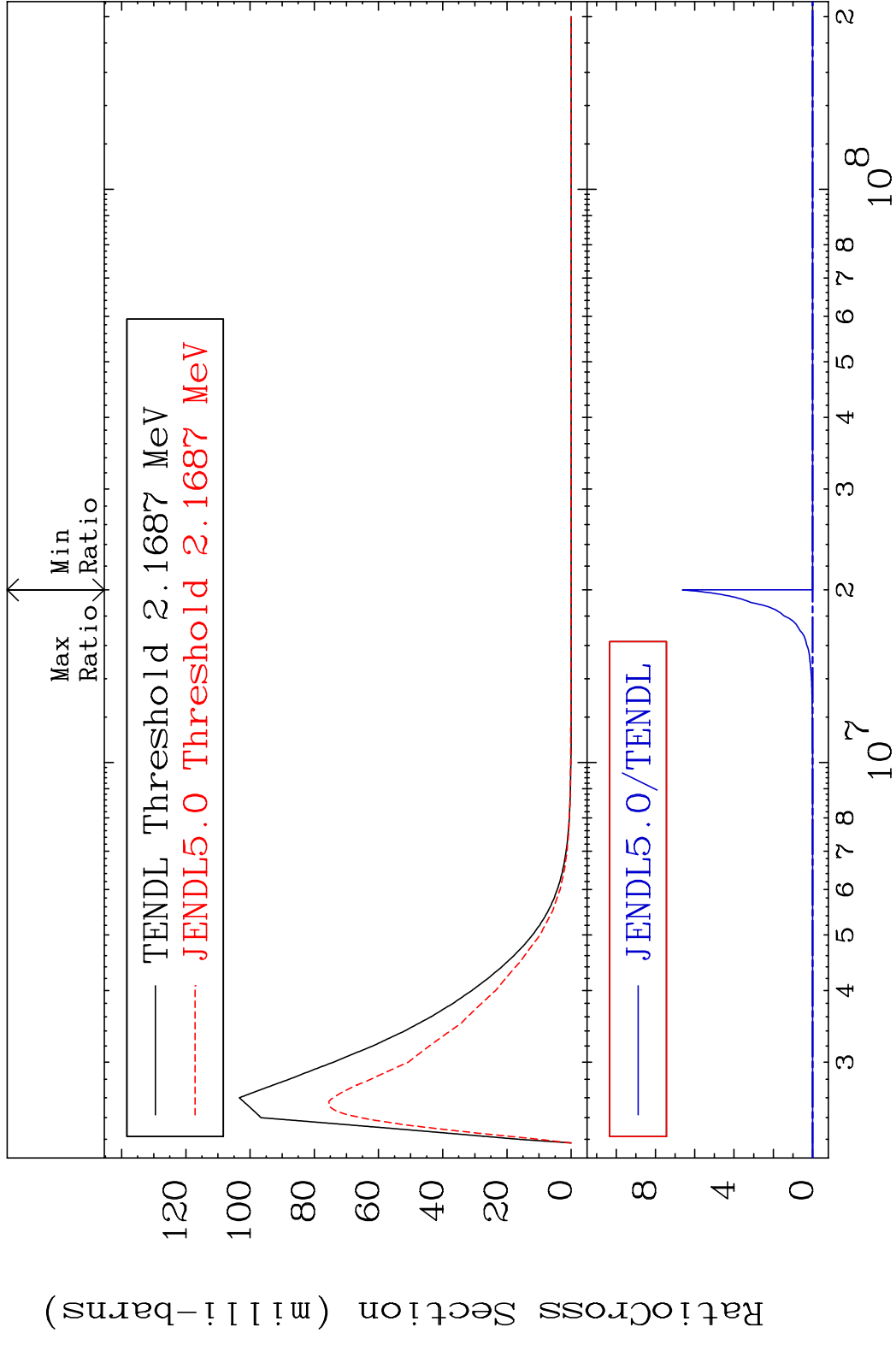
MAT 4228 MT= 56 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 3.261 %



MAT 4228 MT= 57 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 9999. %

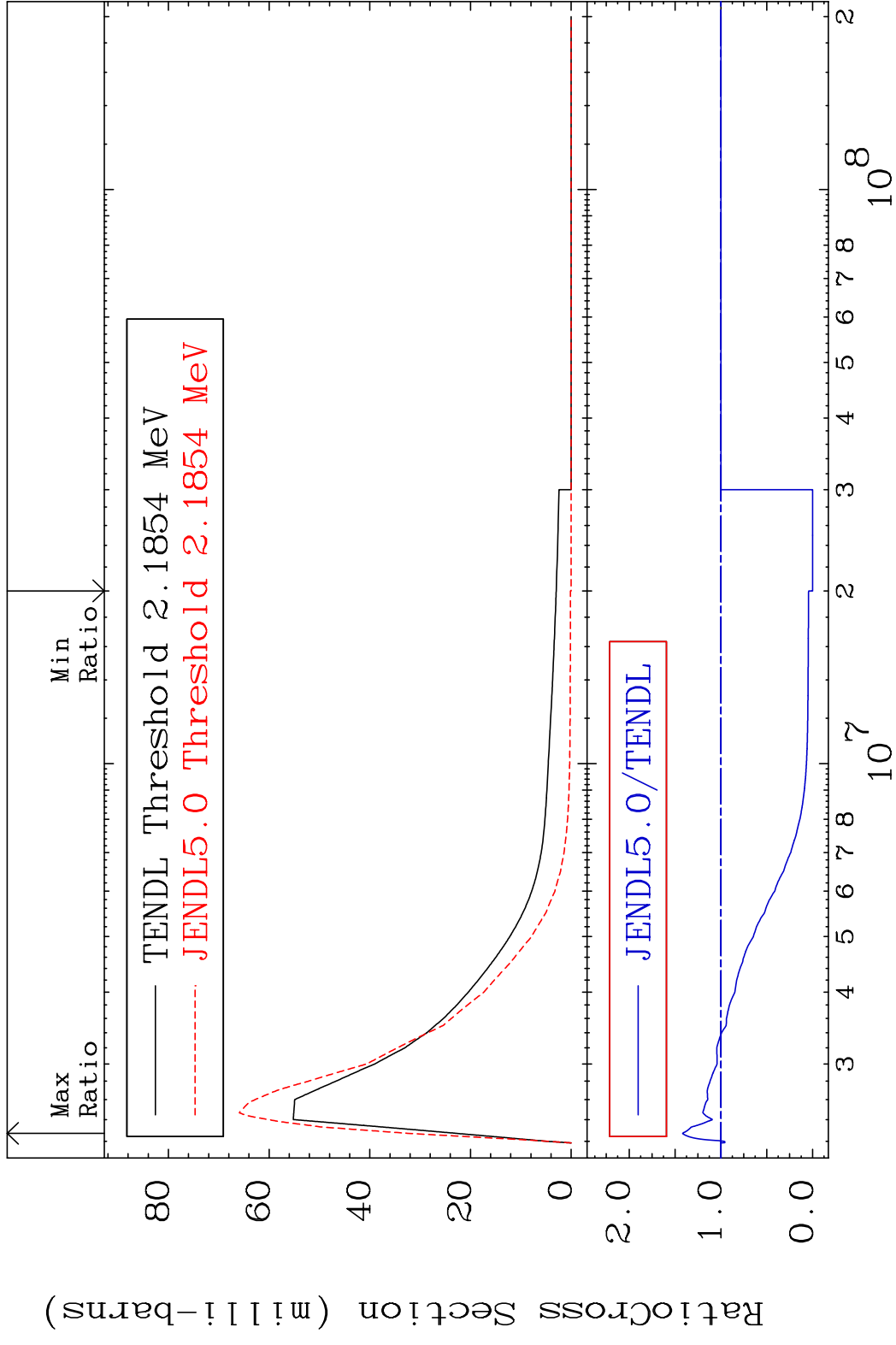


MAT 4228 MT= 58 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 9999. %

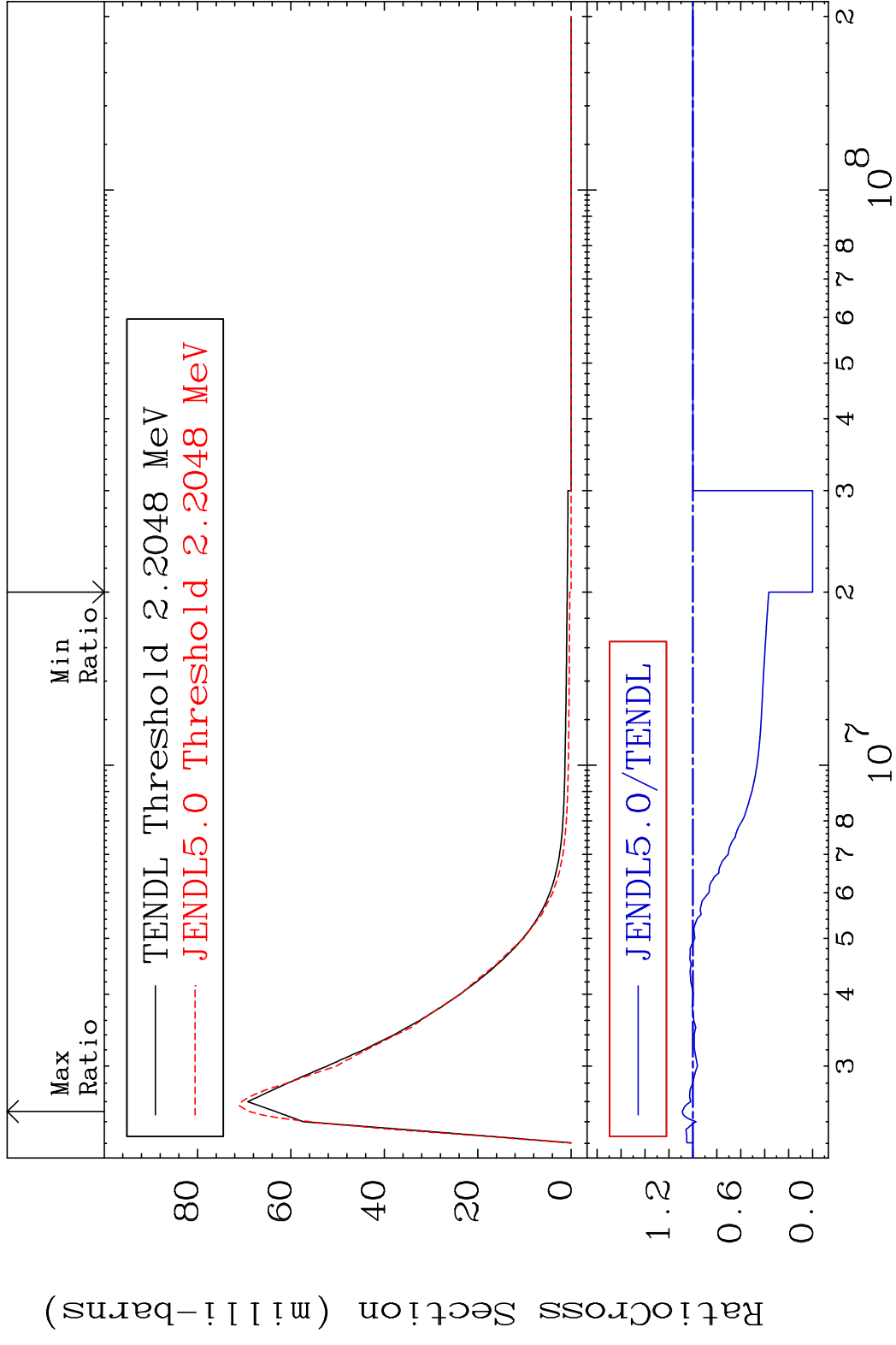


18 Incident Energy (eV) 42-Mo-93

MAT 4228 MT= 59 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 41.98 %

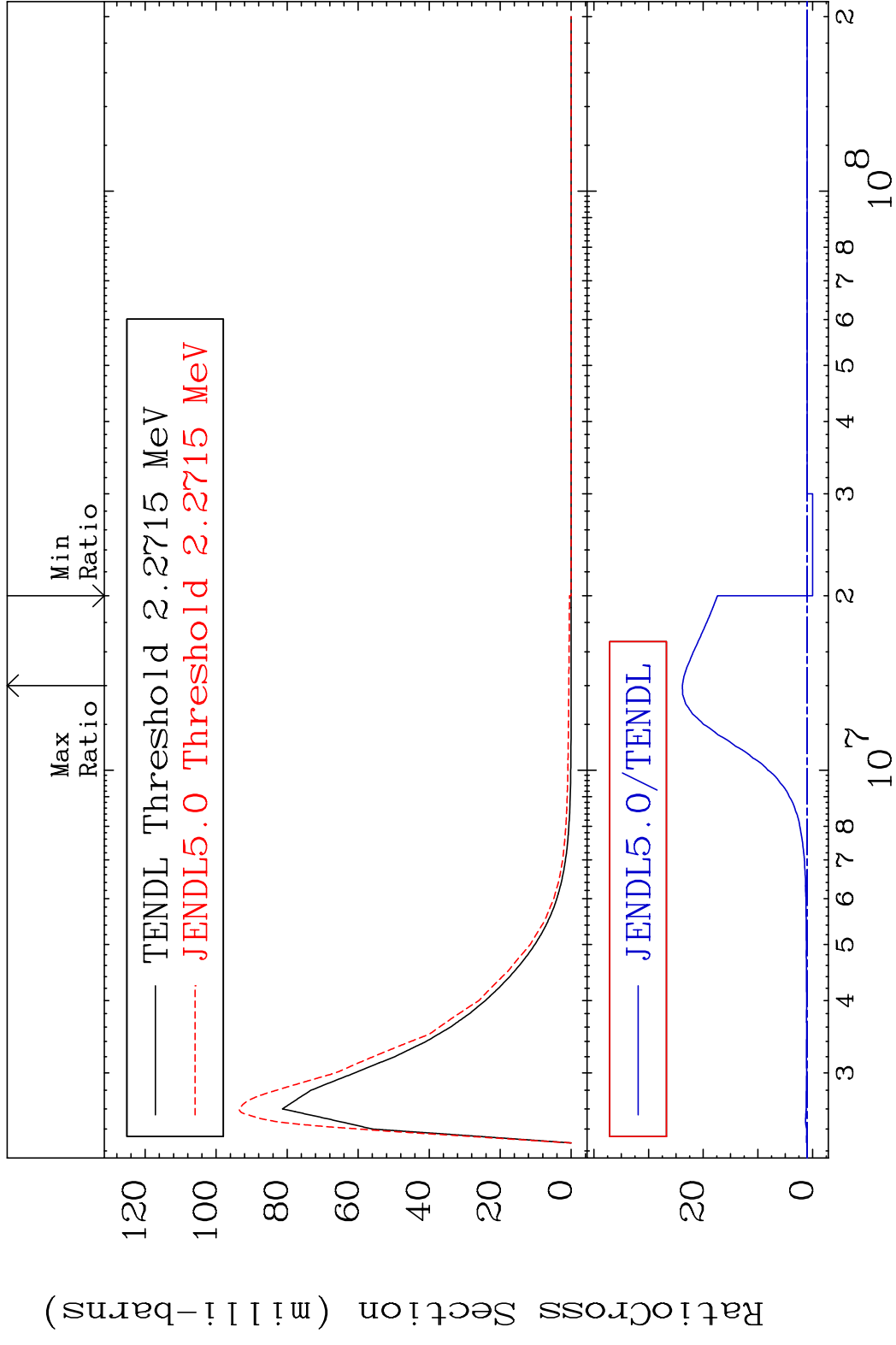


MAT 4228 MT= 60 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 8.818 %

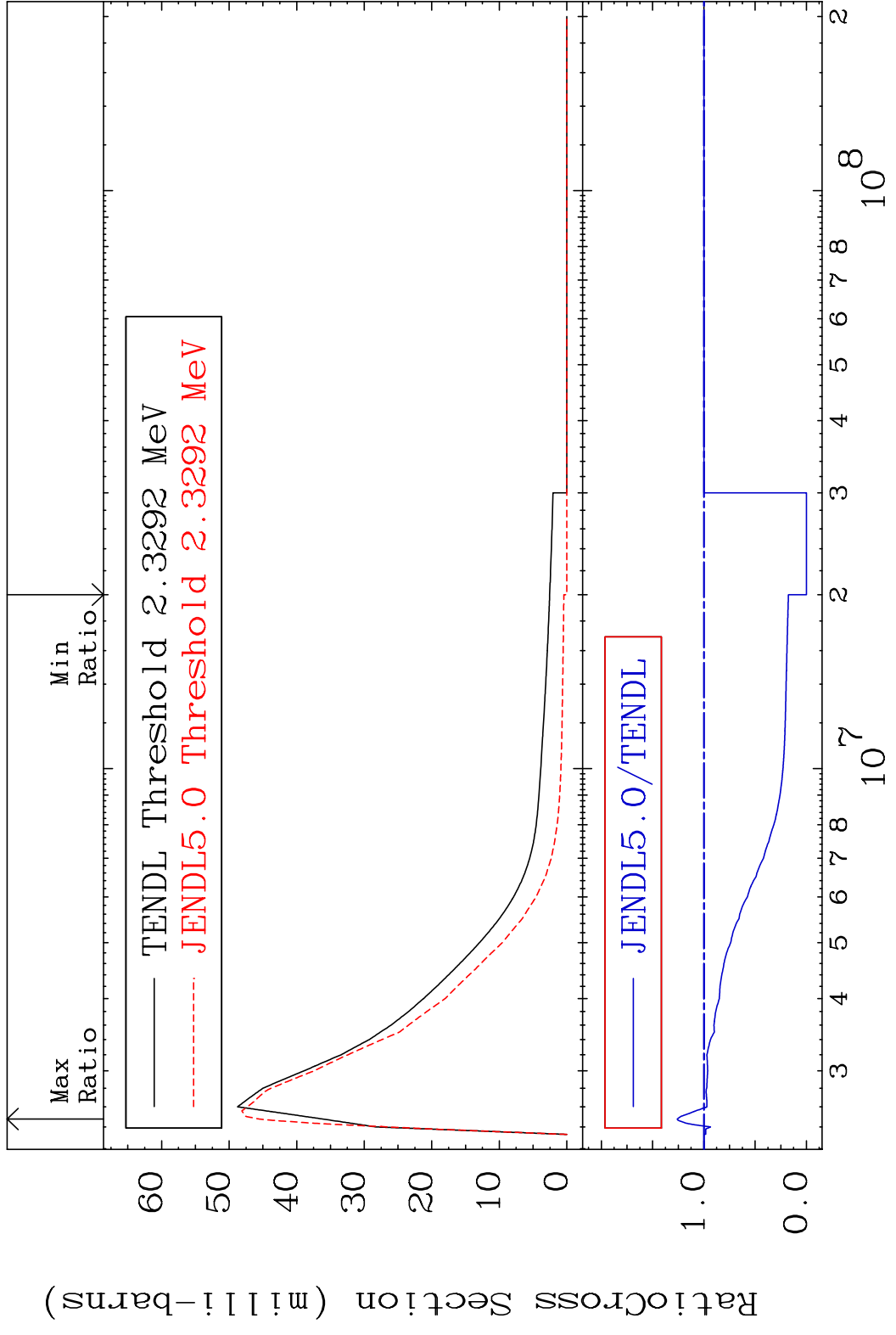


20 42-Mo-93

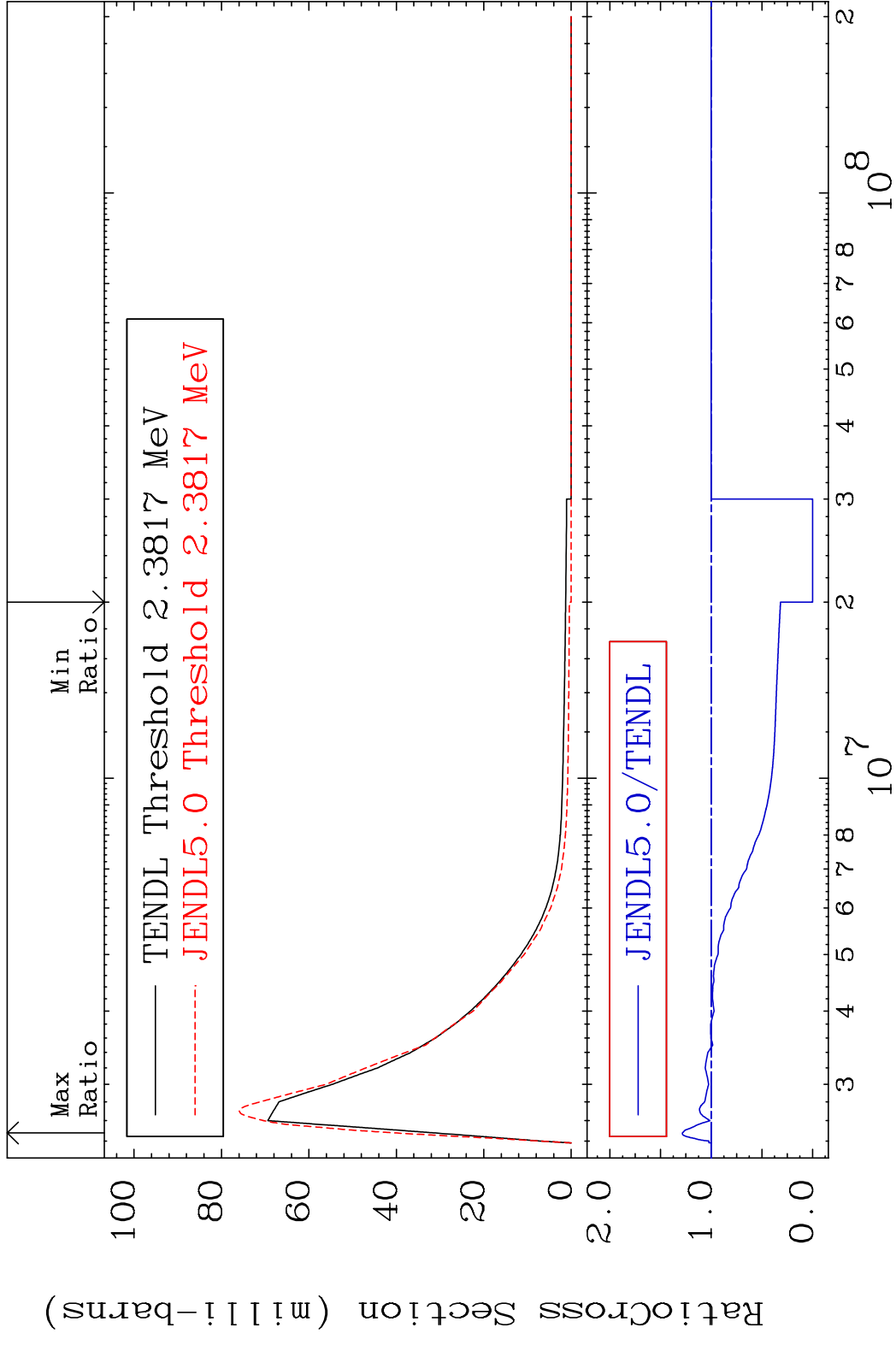
MAT 4228 MT= 61 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 2282. %



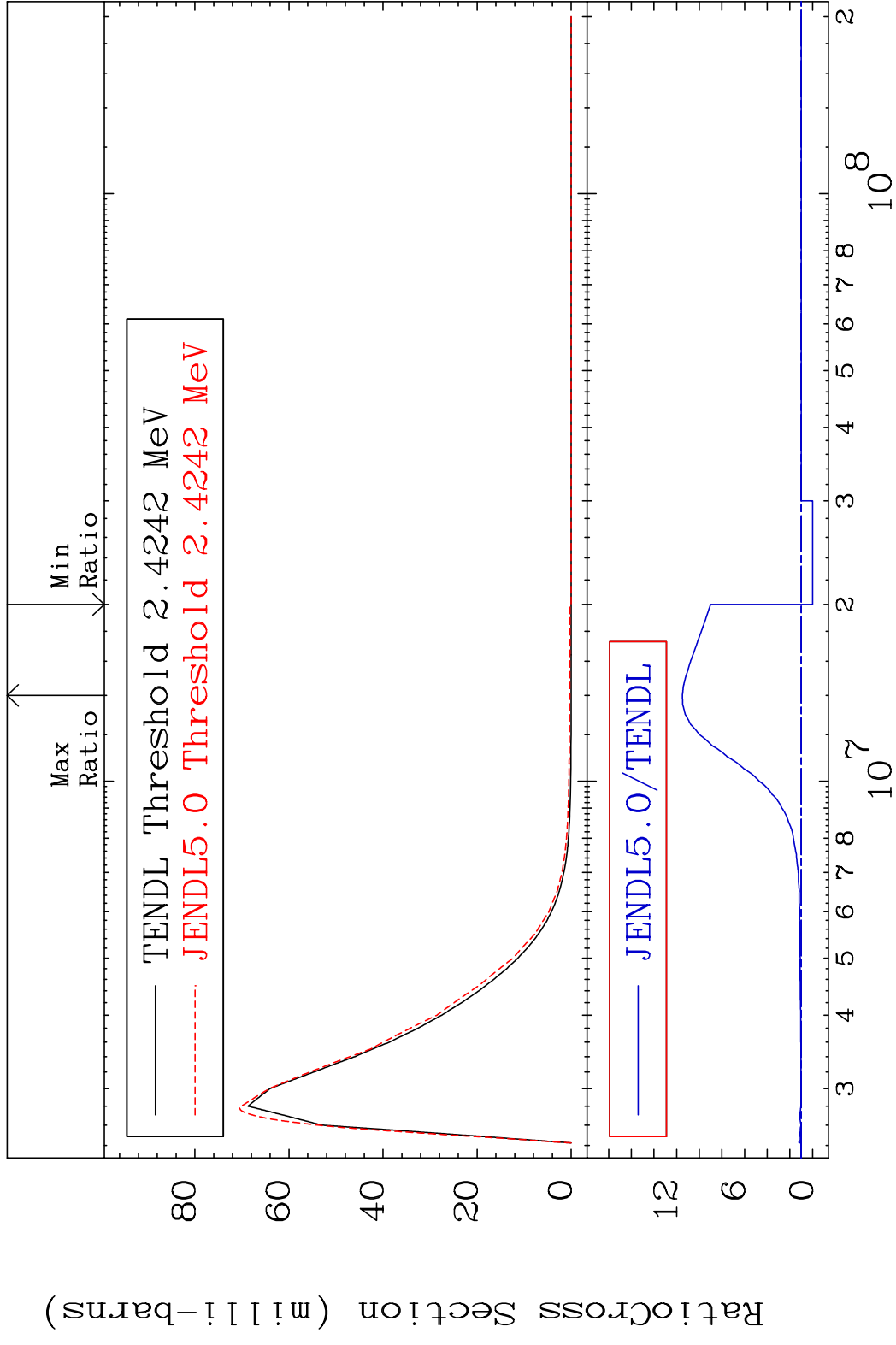
MAT 4228 MT= 62 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 26.04 %



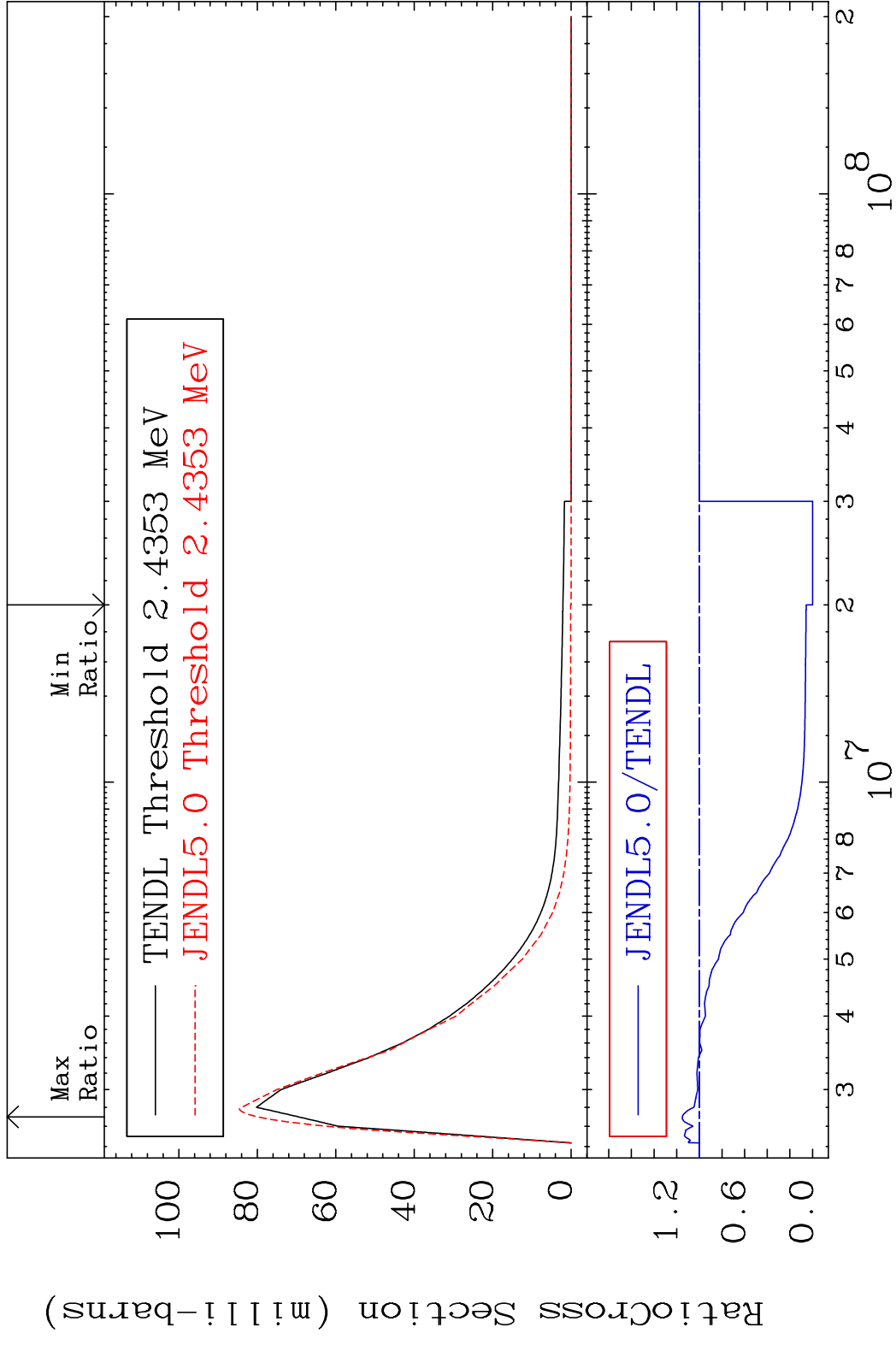
MAT 4228 MT= 63 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 28.50 %



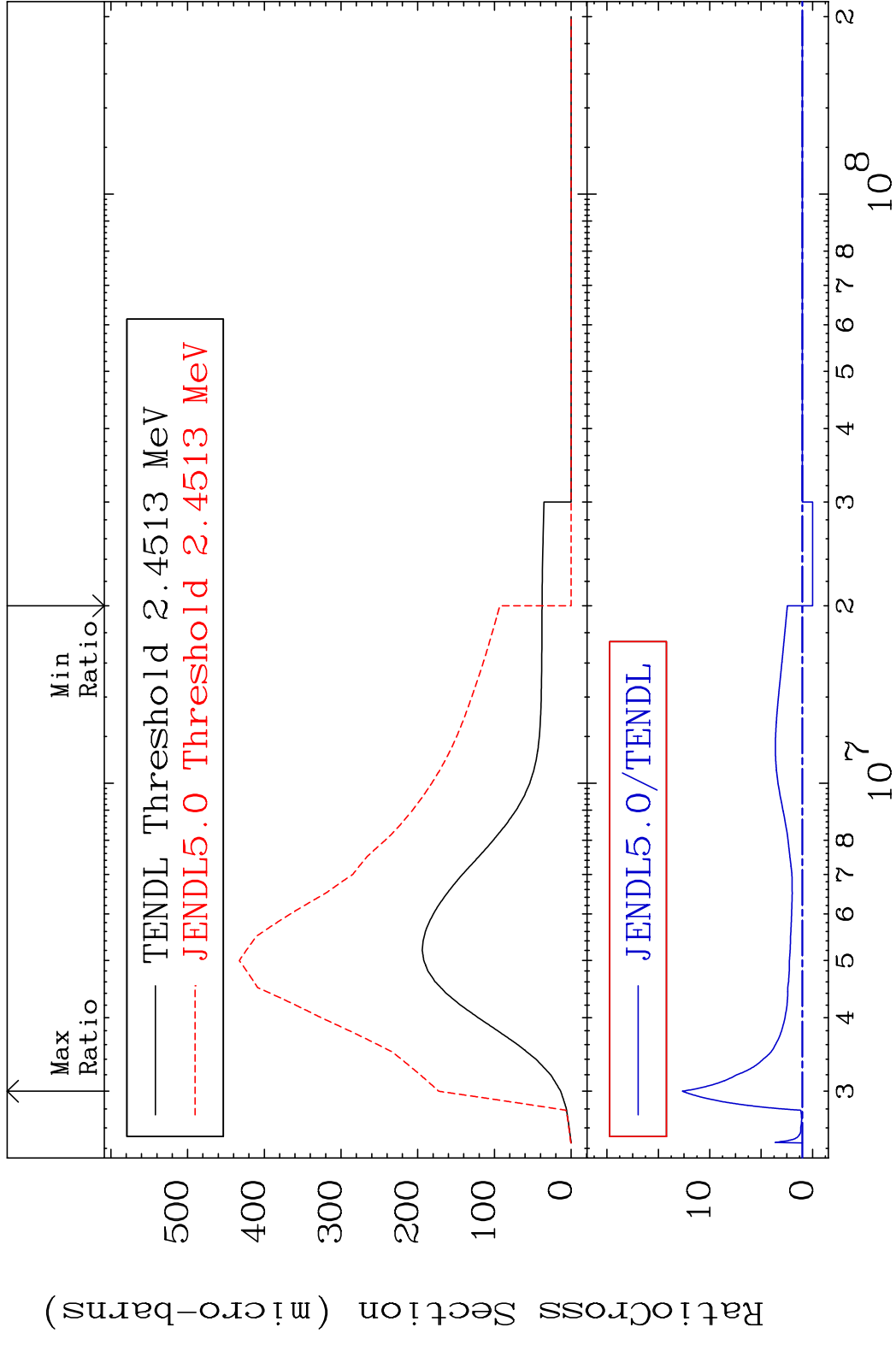
MAT 4228 MT= 64 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 1049. %



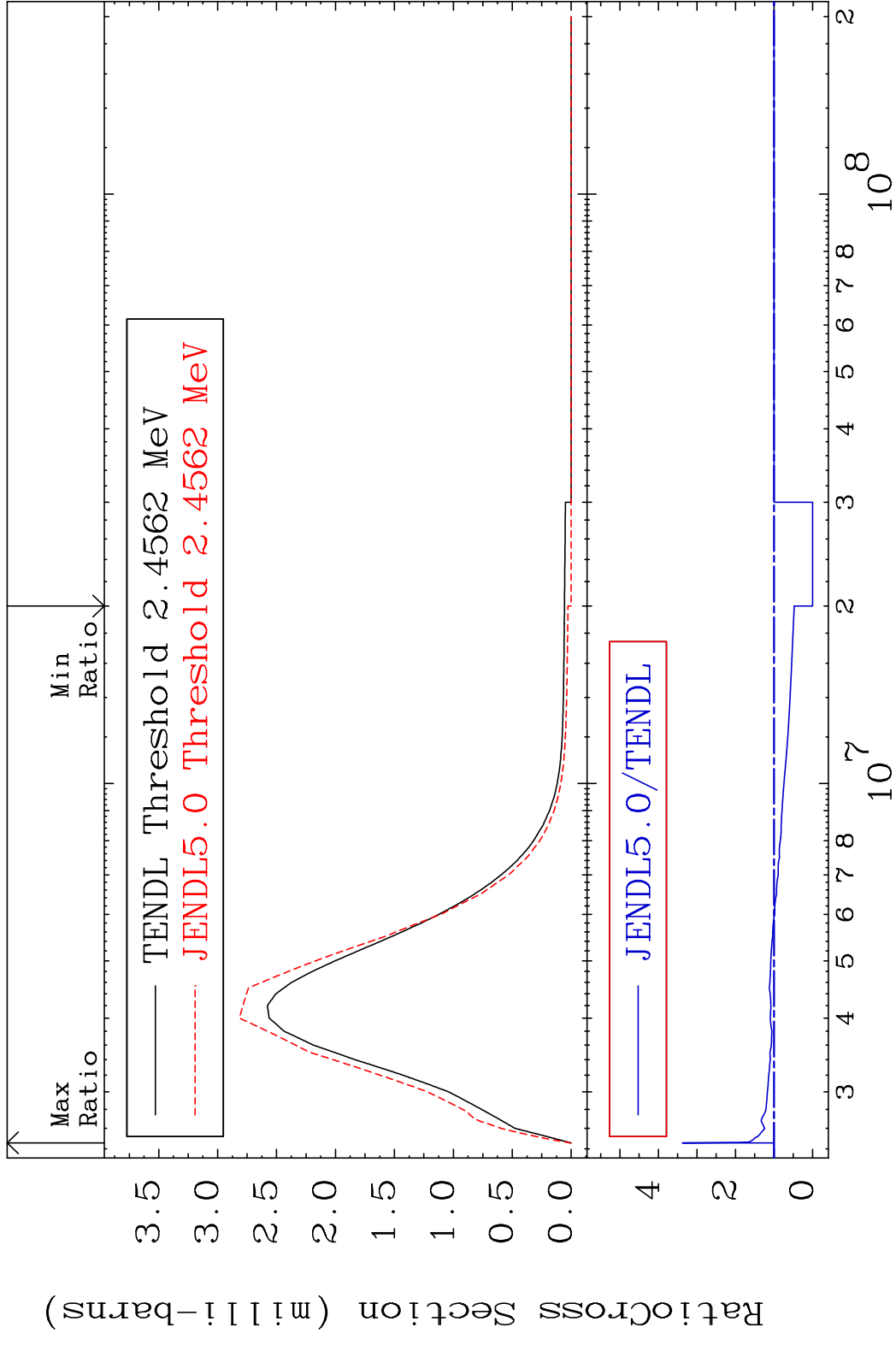
MAT 4228 MT= 65 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 14.98 %



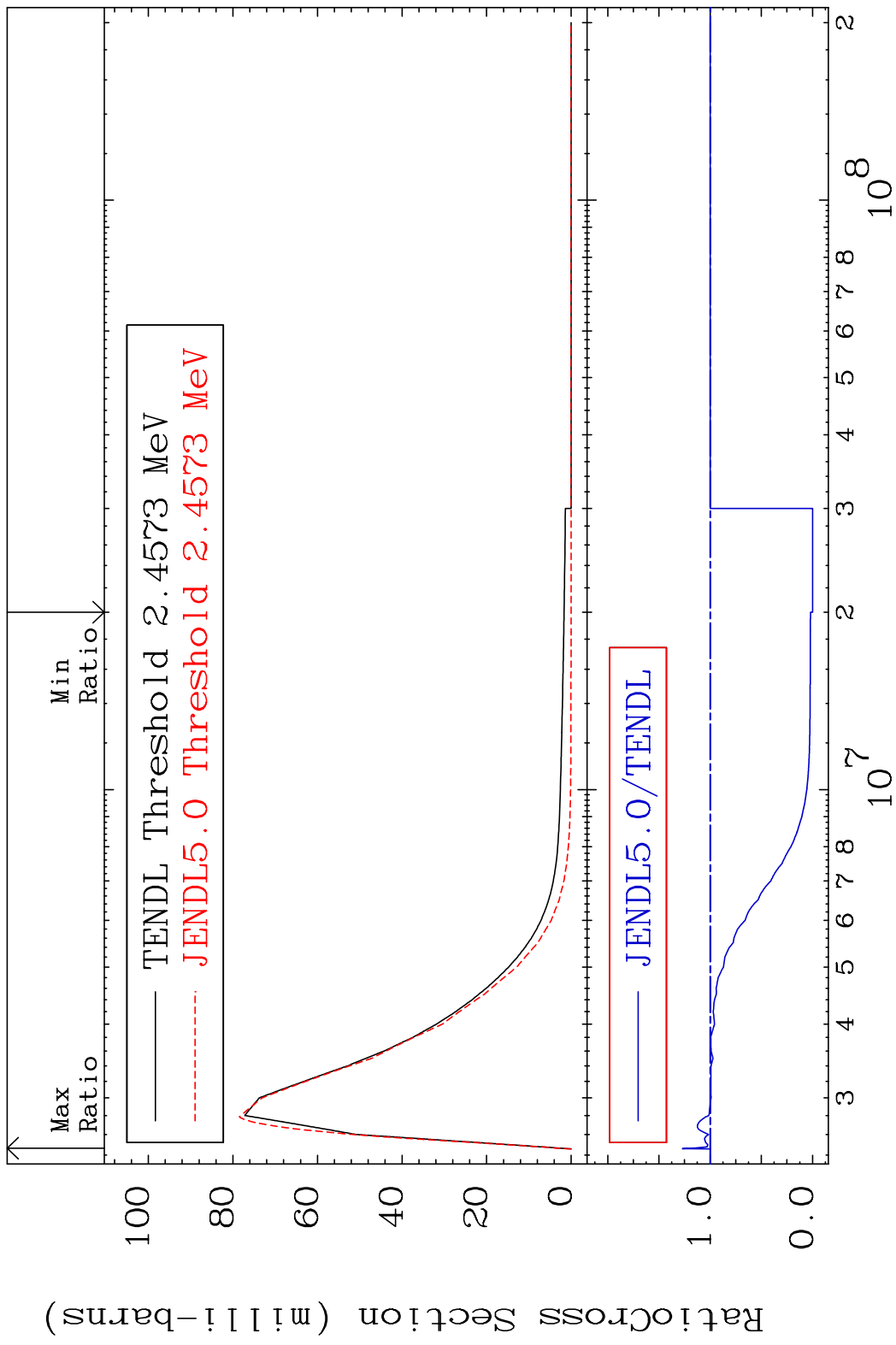
MAT 4228 MT= 66 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 1166. %



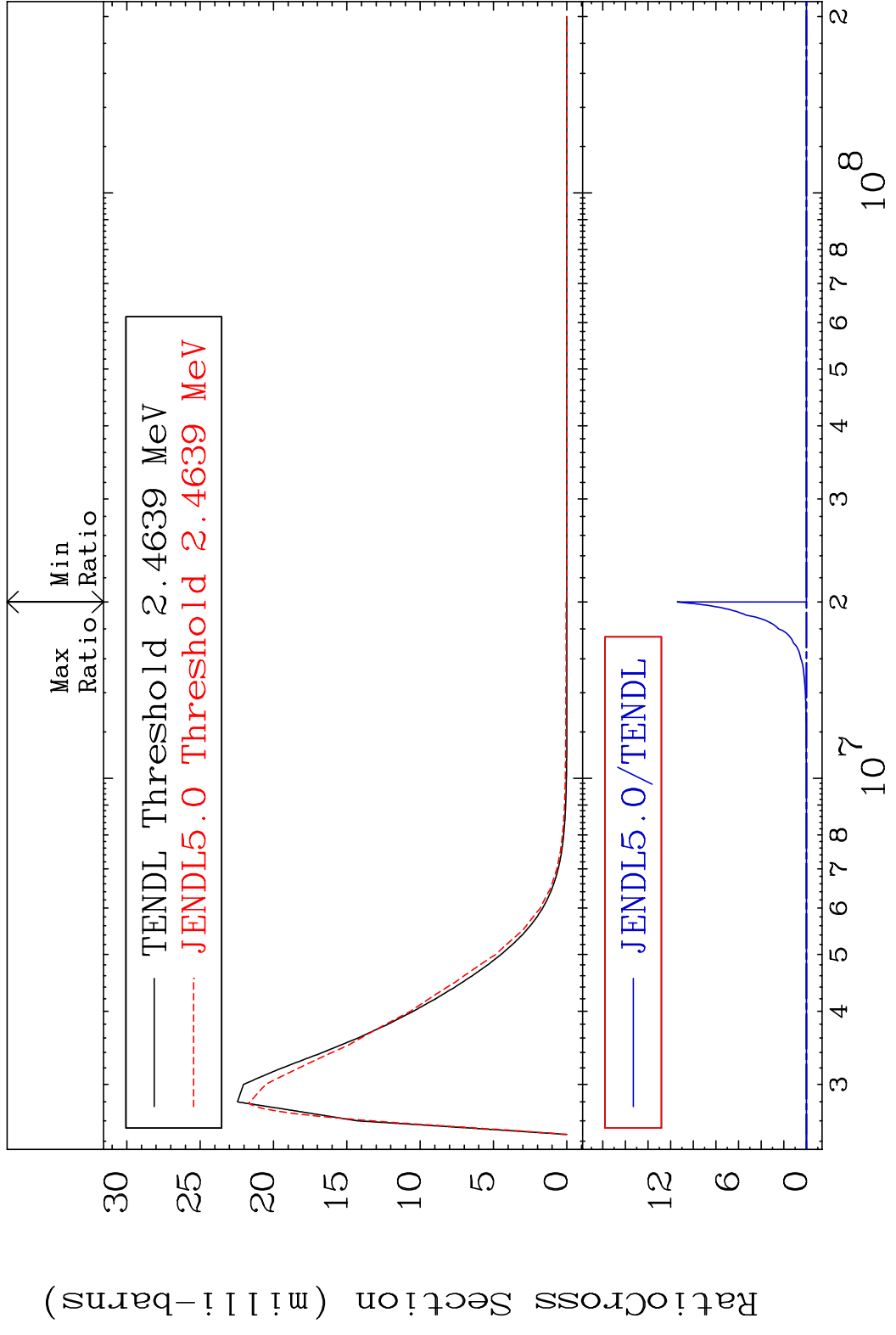
MAT 4228 MT= 67 (n,n') Level 42-Mo-93
 Cross Section -100.0 To 237.9 %



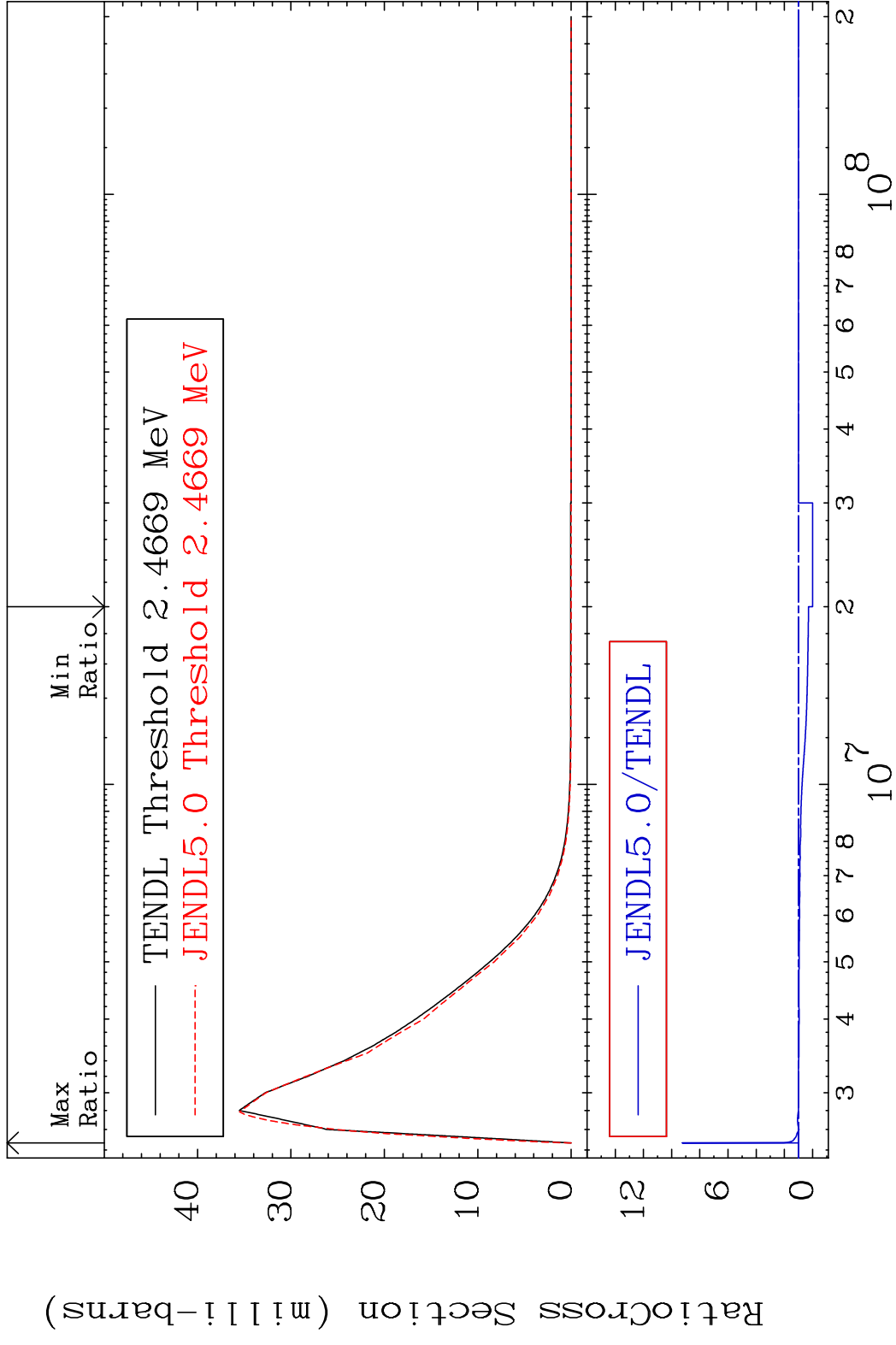
MAT 4228 MT= 68 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 27.12 %



MAT 4228 MT= 69 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 9999. %

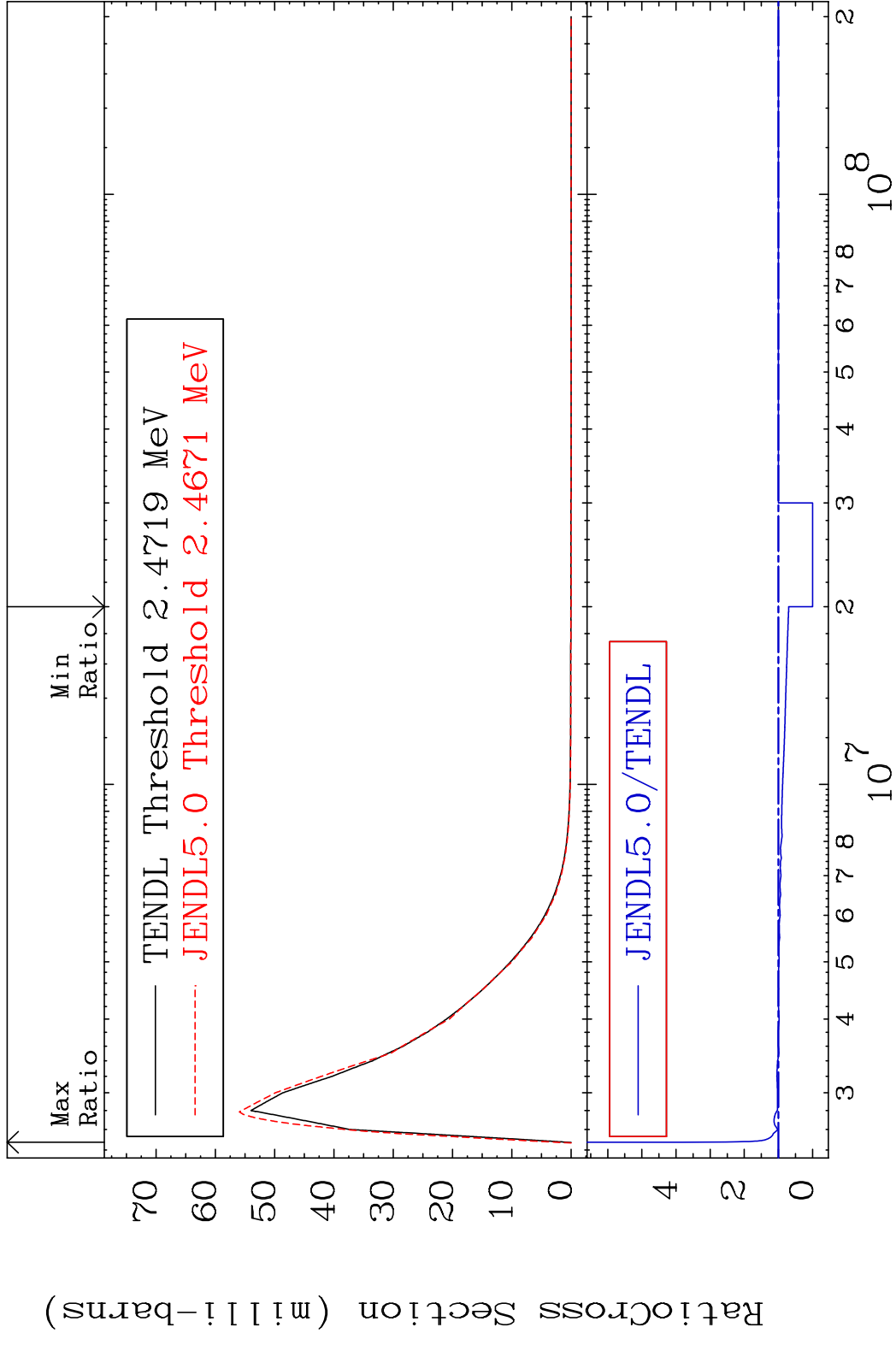


MAT 4228 MT= 70 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 824.1 %

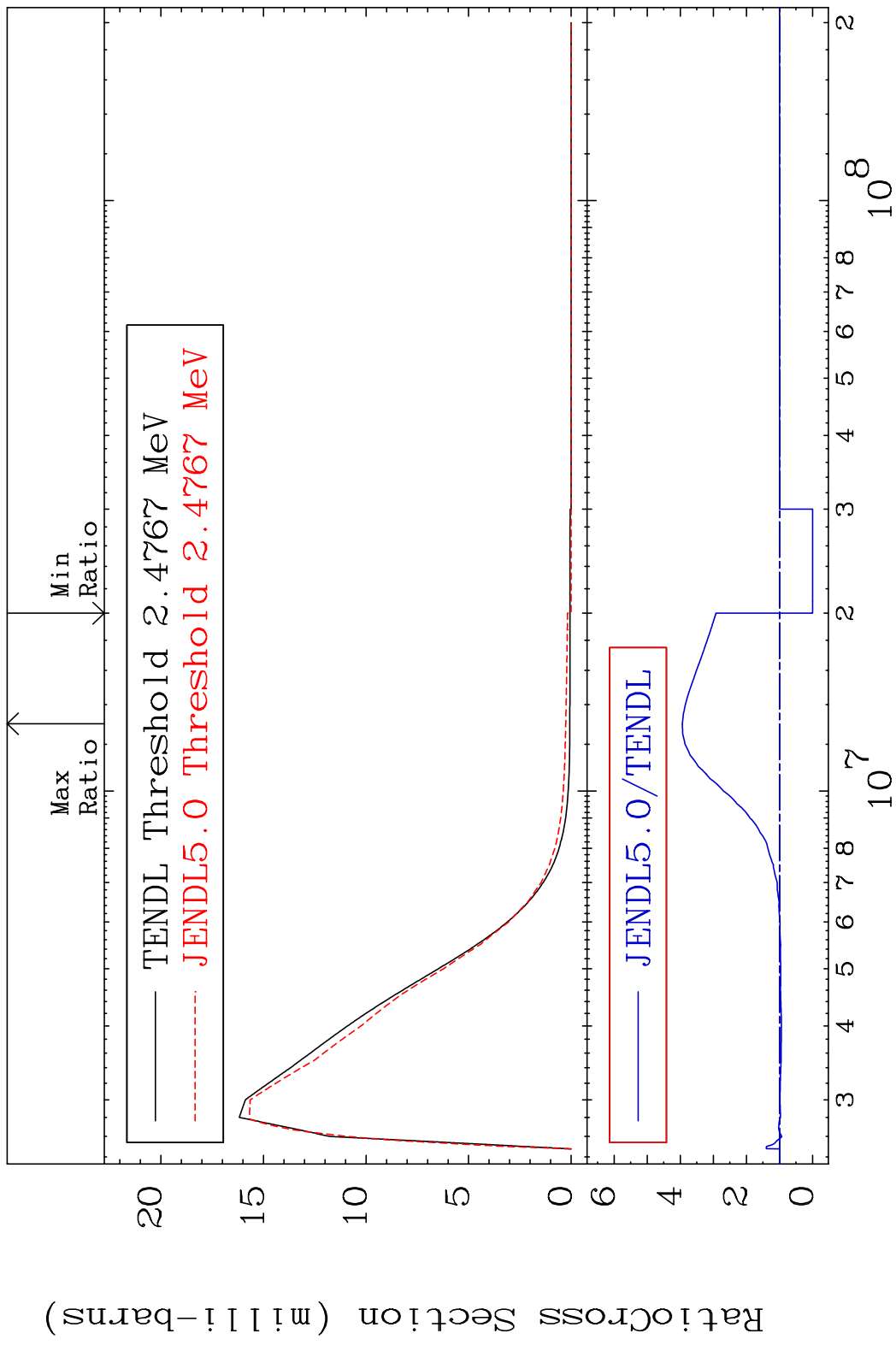


30 Incident Energy (eV) 42-Mo-93

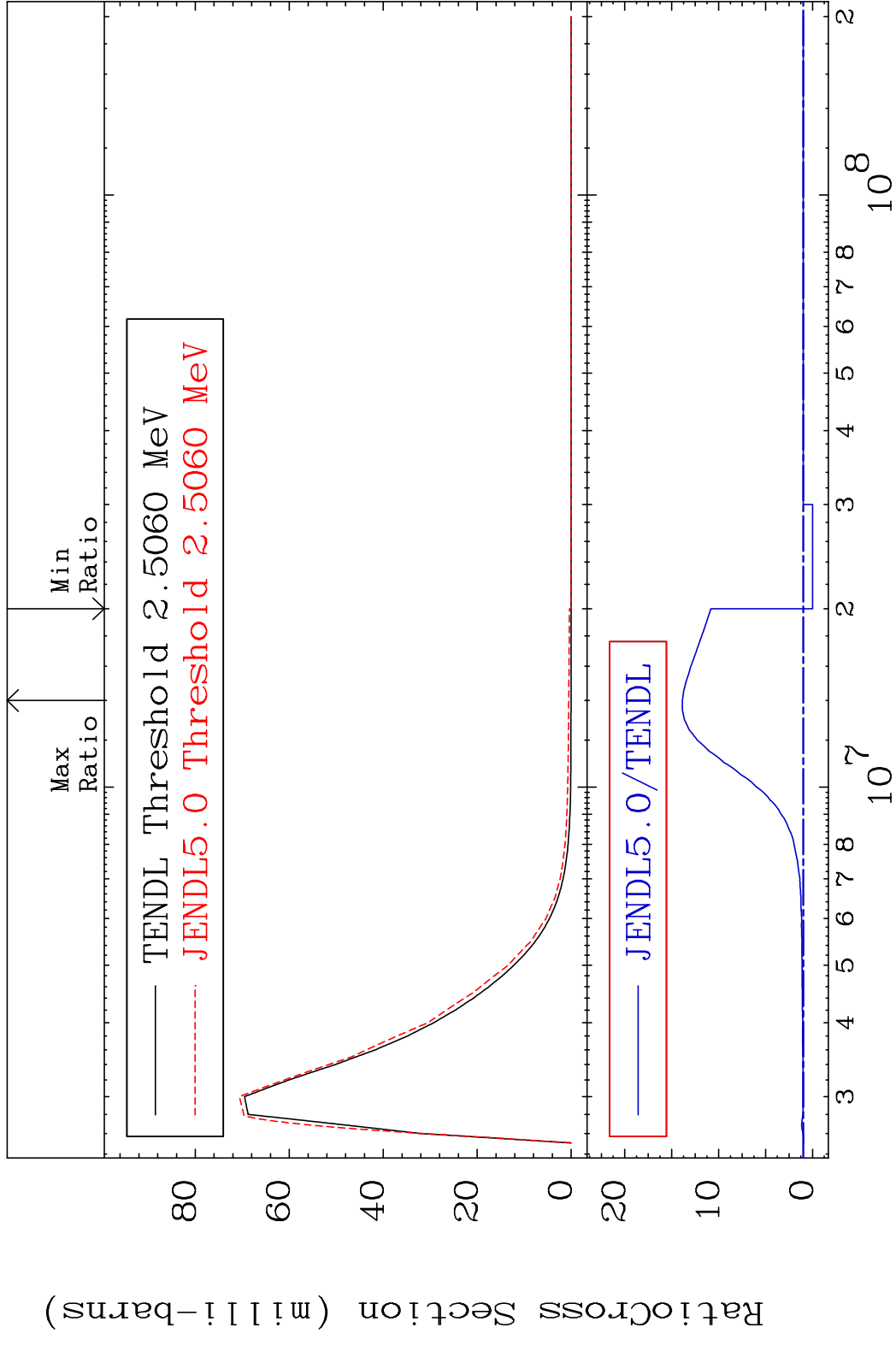
MAT 4228 MT= 71 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 281.4 %



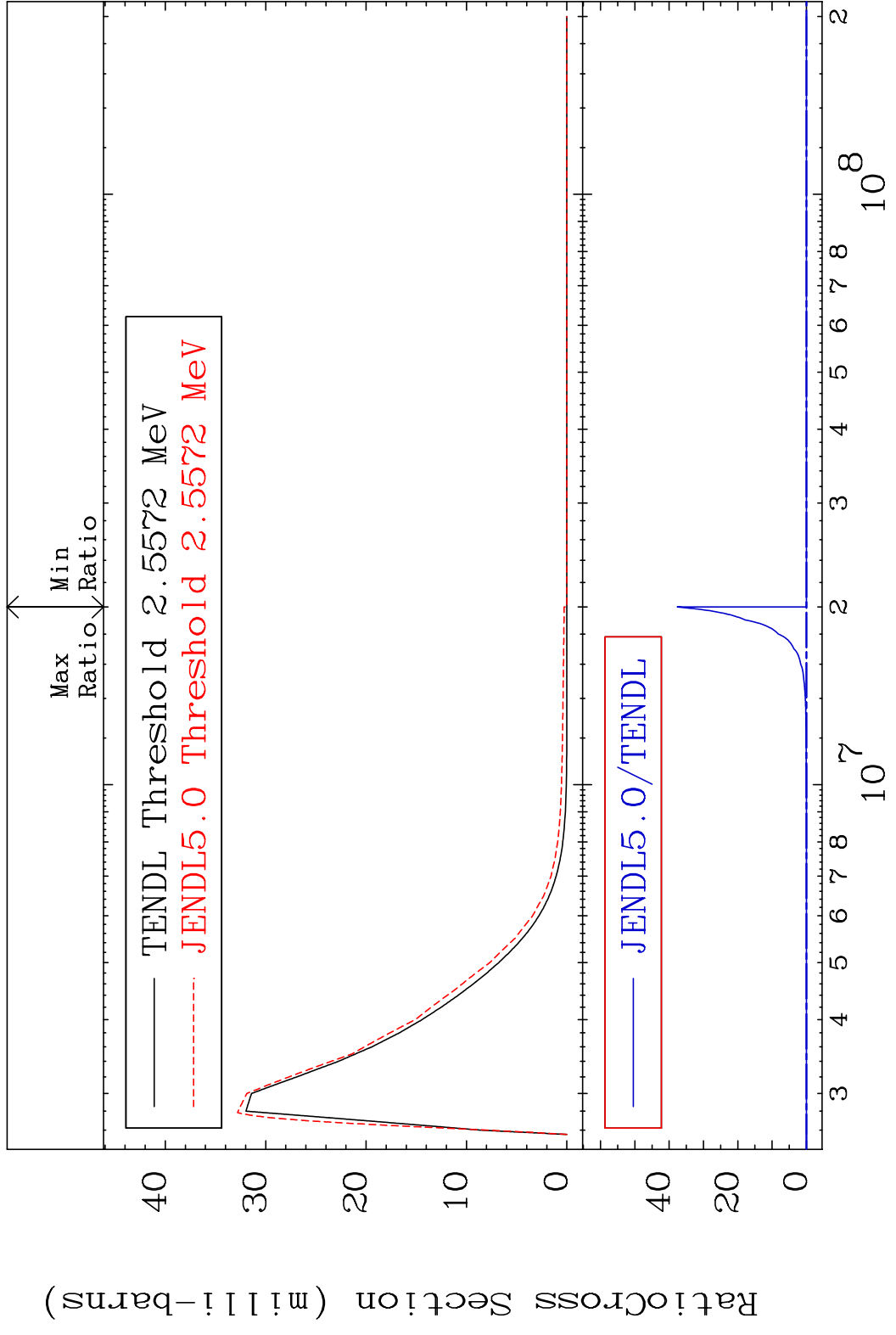
MAT 4228 MT= 72 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 293.6 %



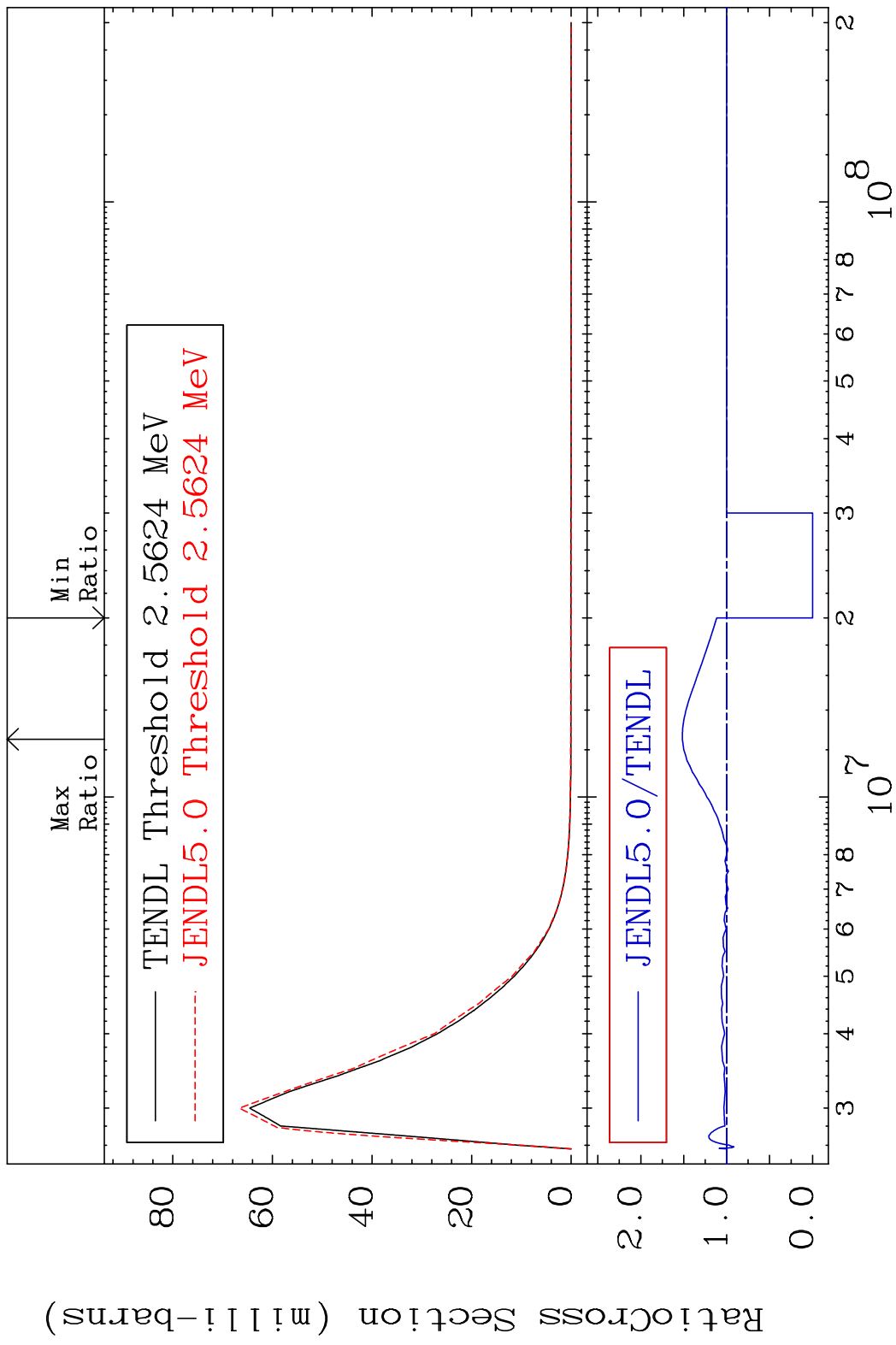
MAT 4228 MT= 73 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 1287. %



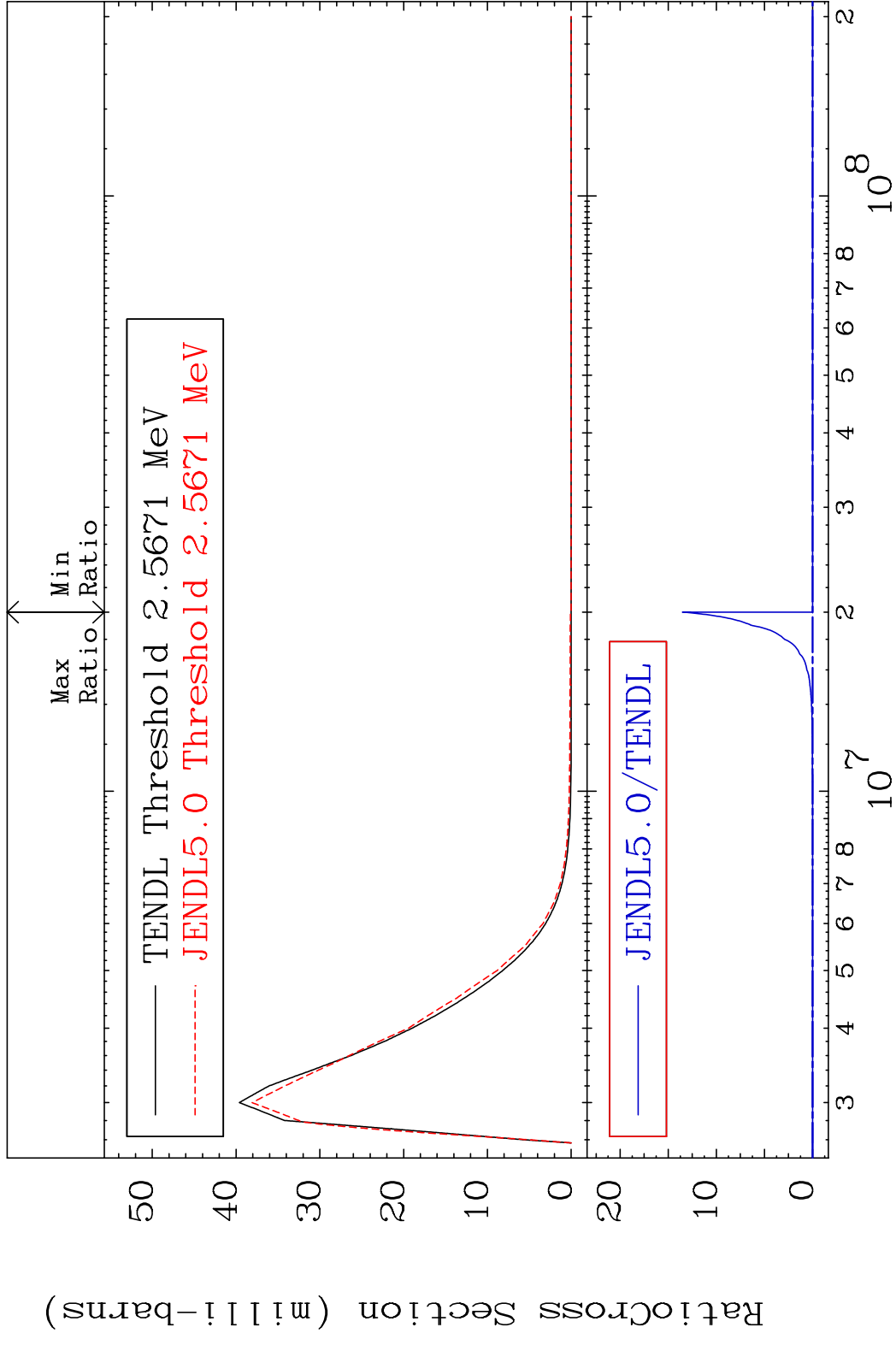
MAT 4228 MT= 74 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 9999. %



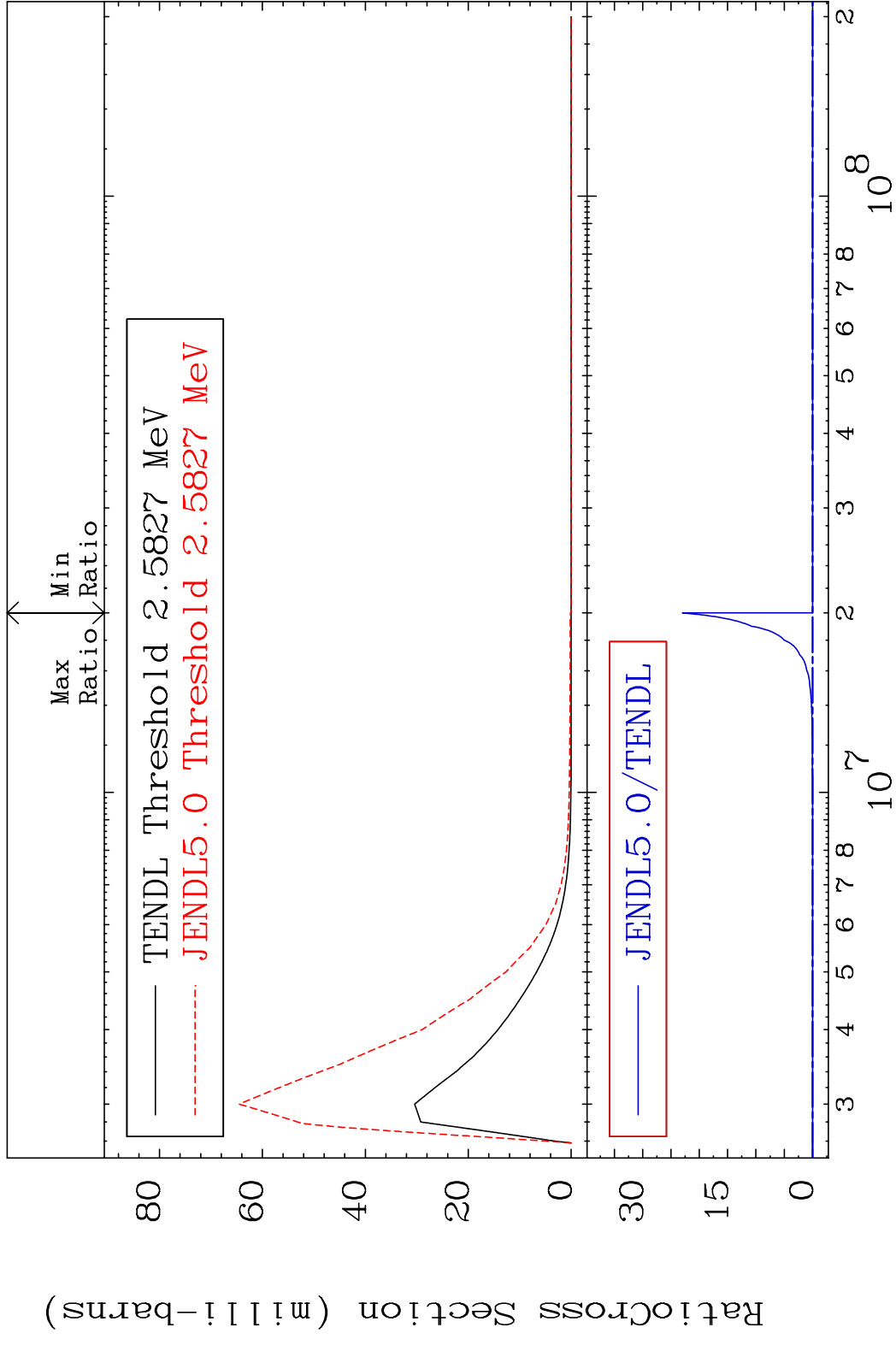
MAT 4228 MT= 75 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 51.61 %



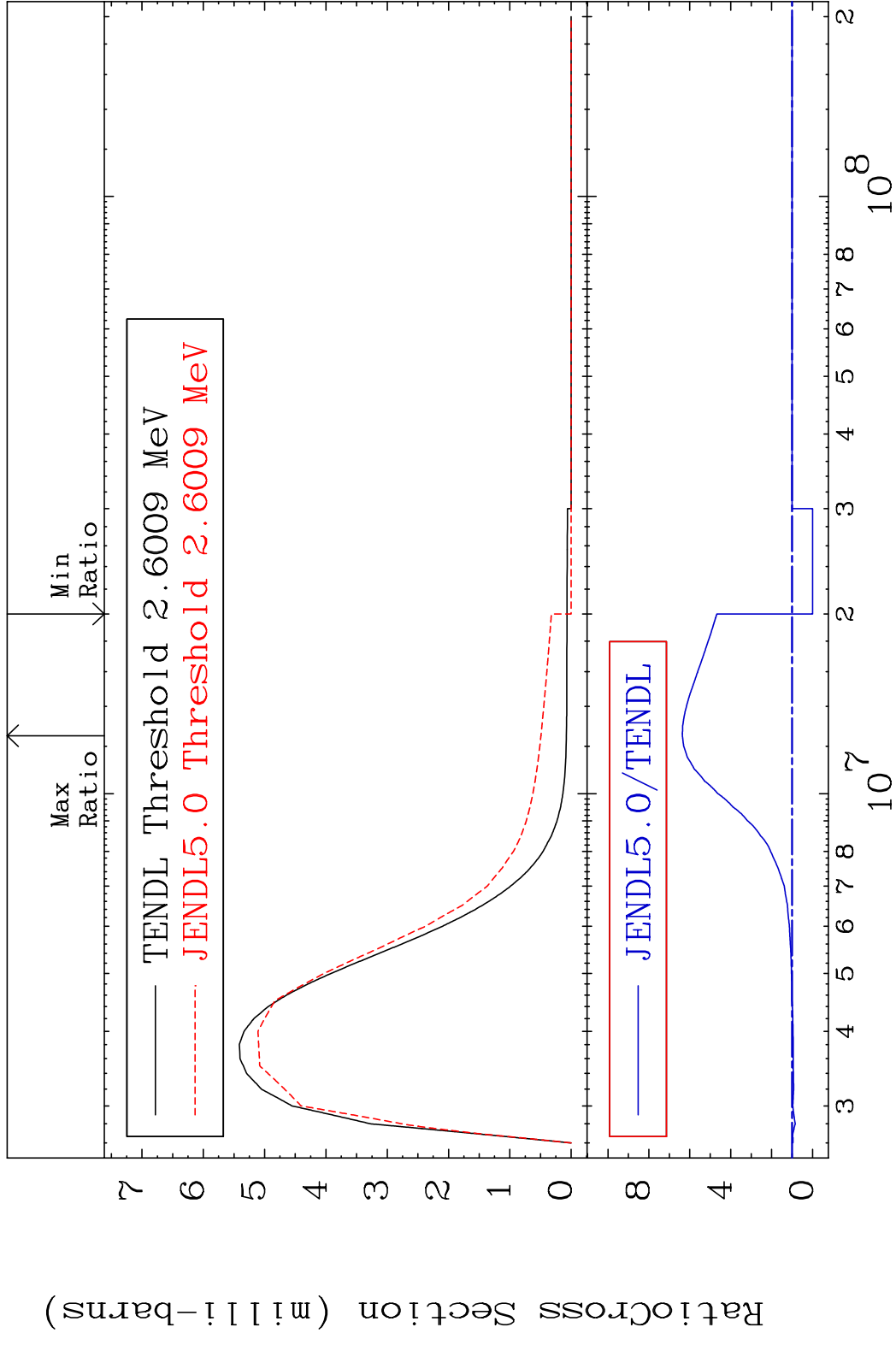
MAT 4228 MT= 76 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 9999. %



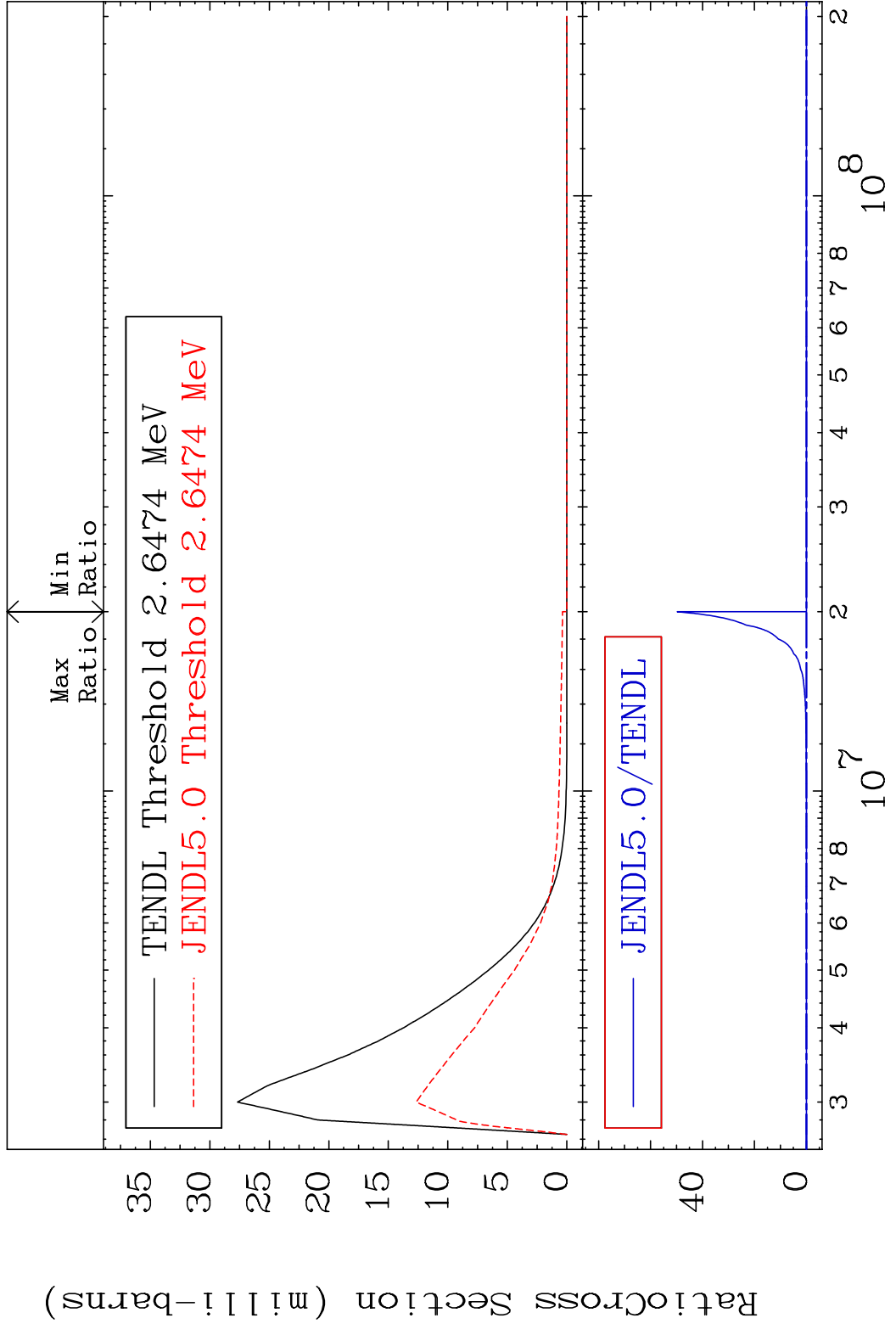
MAT 4228 MT= 77 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 9999. %



MAT 4228 MT= 78 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 536.4 %



MAT 4228 MT= 79 (n, n') Level 42-Mo-93
 Cross Section -100.0 To 9999. %

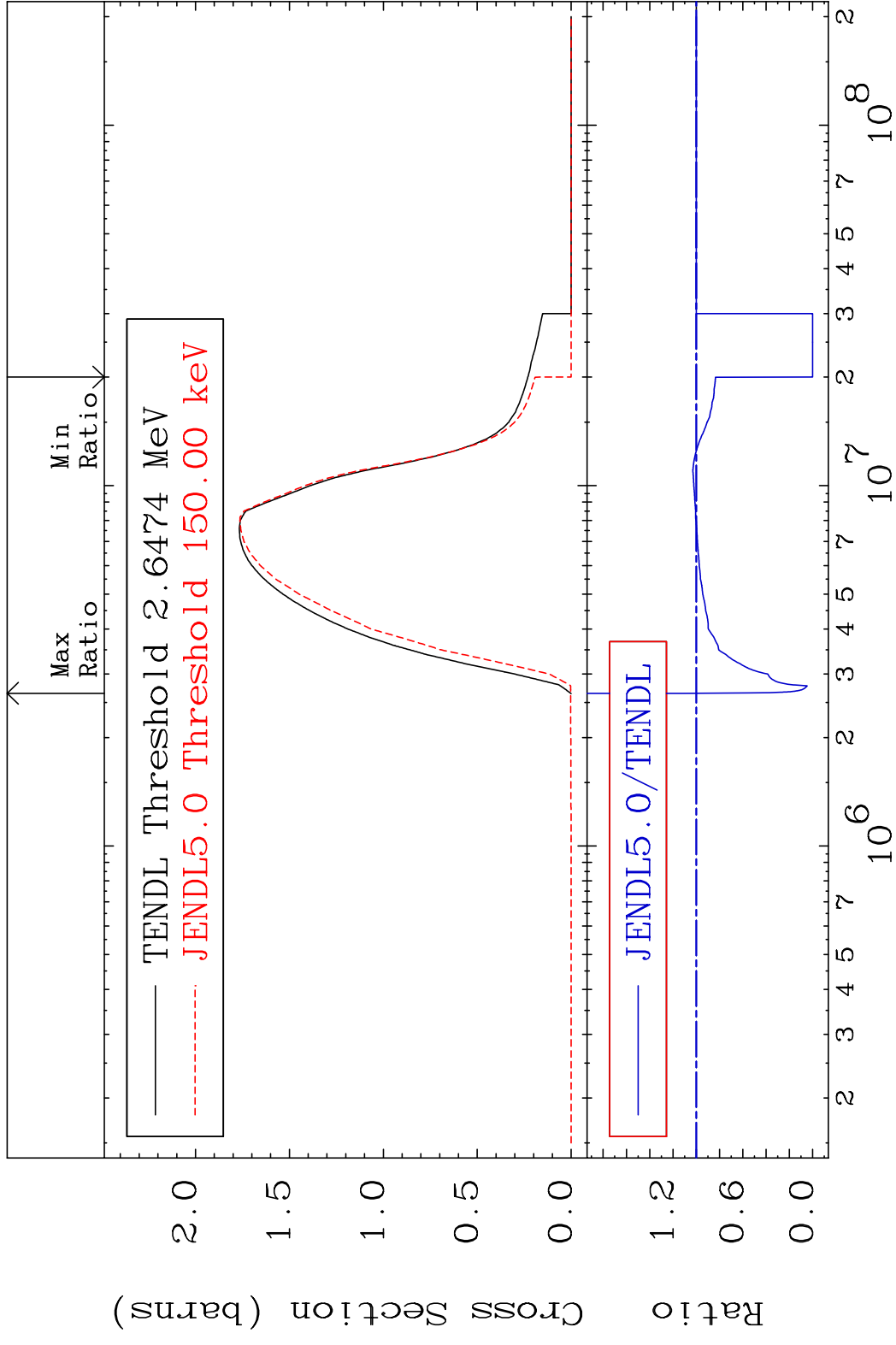


MAT 4228

(n, n') Continuum

42-Mo-93

Cross Section -100.0 To 11.91 %



40

Incident Energy (eV)

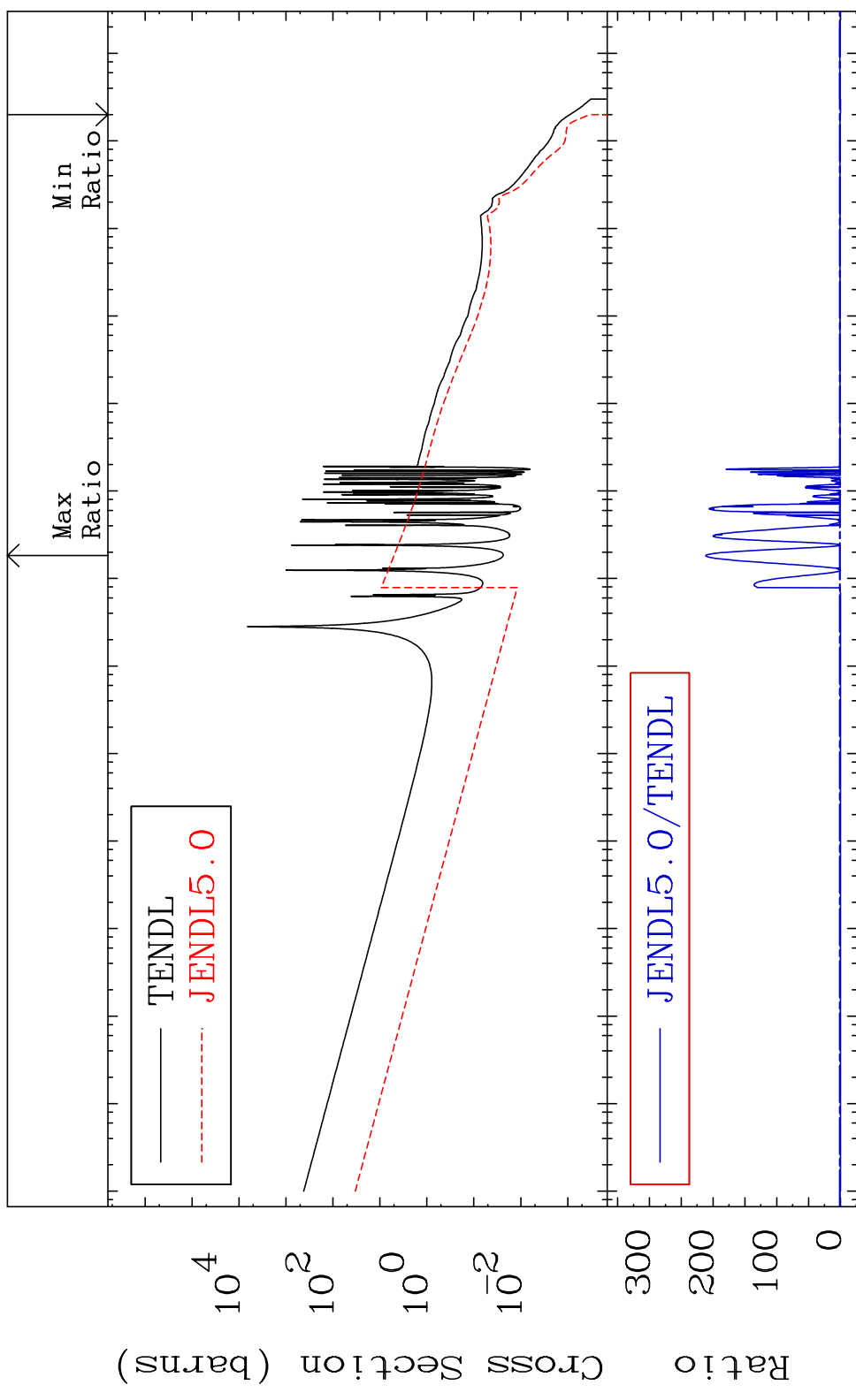
42-Mo-93

MAT 4228

(n, γ)

42-Mo-93

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

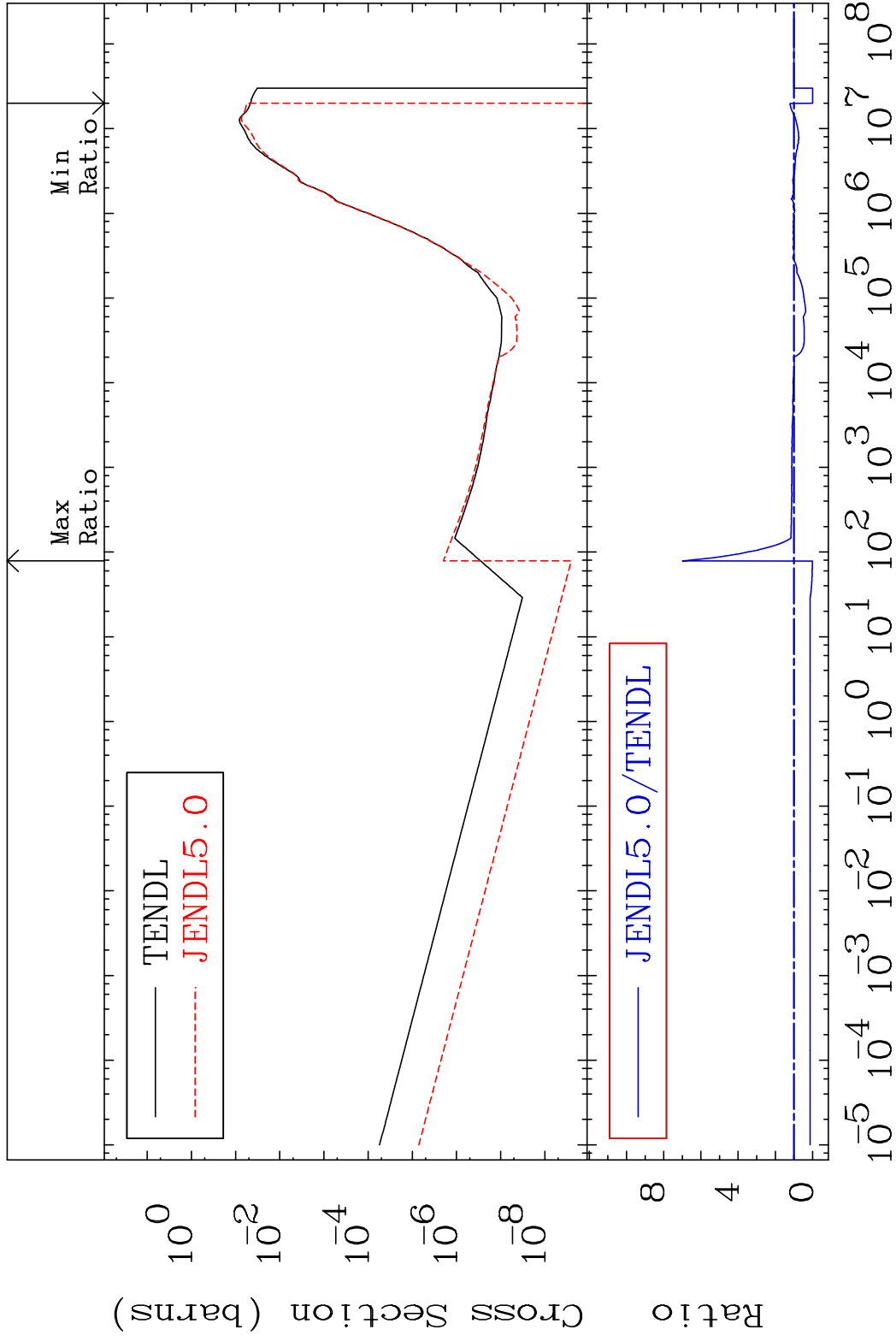
42-Mo-93

MAT 4228

(n, p)

42-Mo-93

Cross Section -100.0 To 599.9 %



42

Incident Energy (eV)

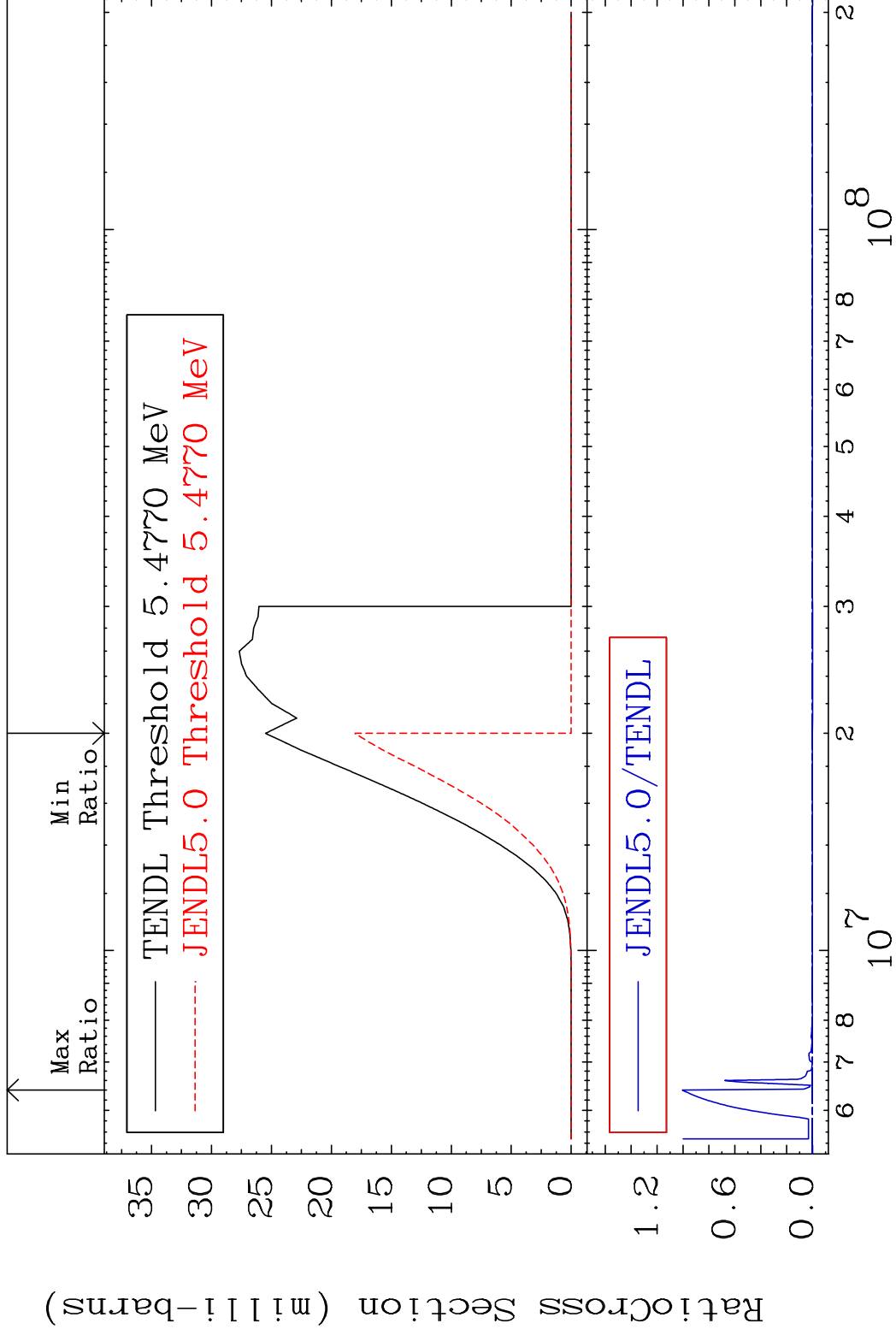
42-Mo-93

MAT 4228

(n,d)

42-Mo-93

Cross Section -100.0 To 9999. %

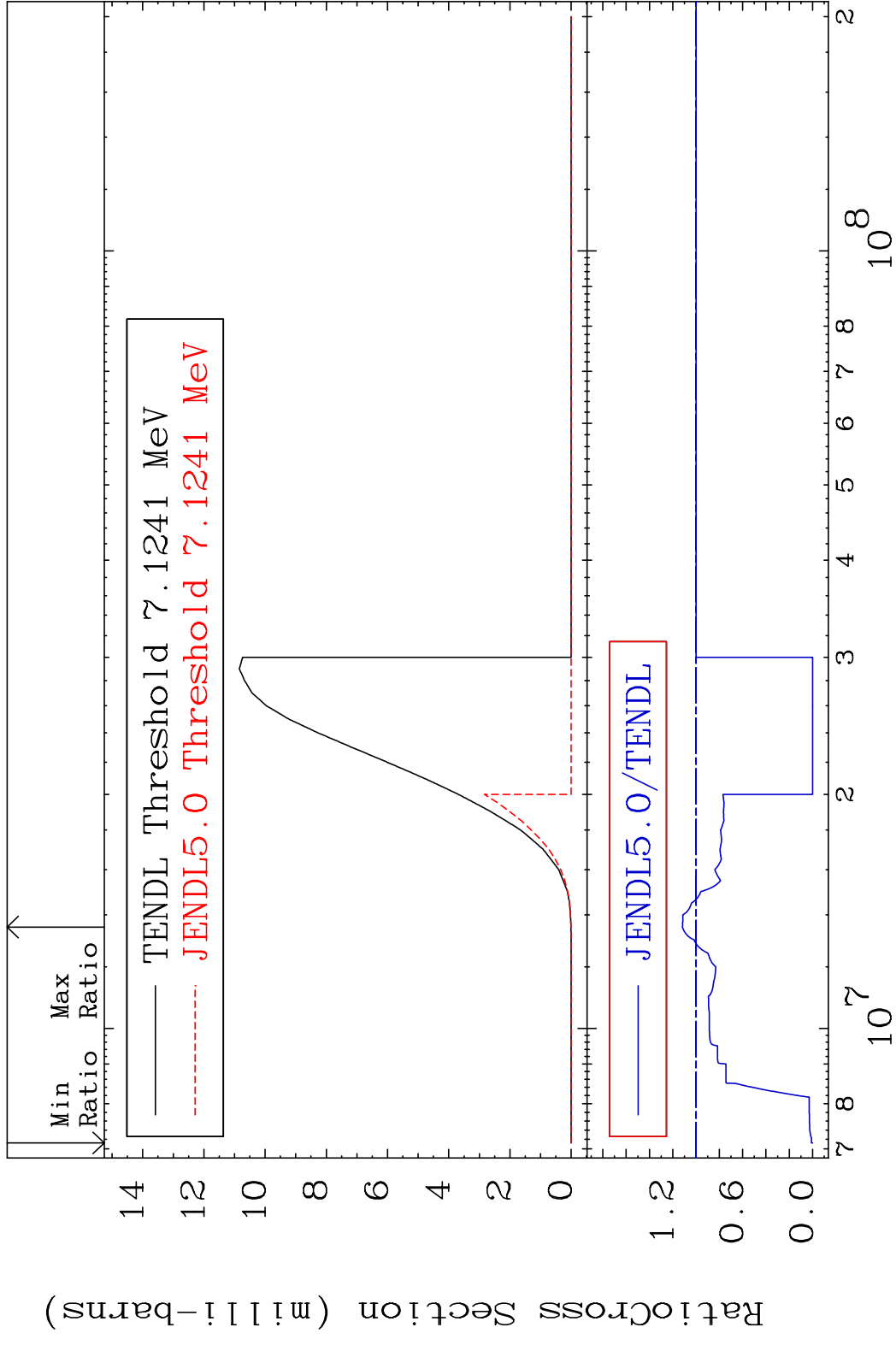


43

Incident Energy (eV)

42-Mo-93

MAT 4228 (n, t) 42-Mo-93
 Cross Section -100.0 To 11.77 %



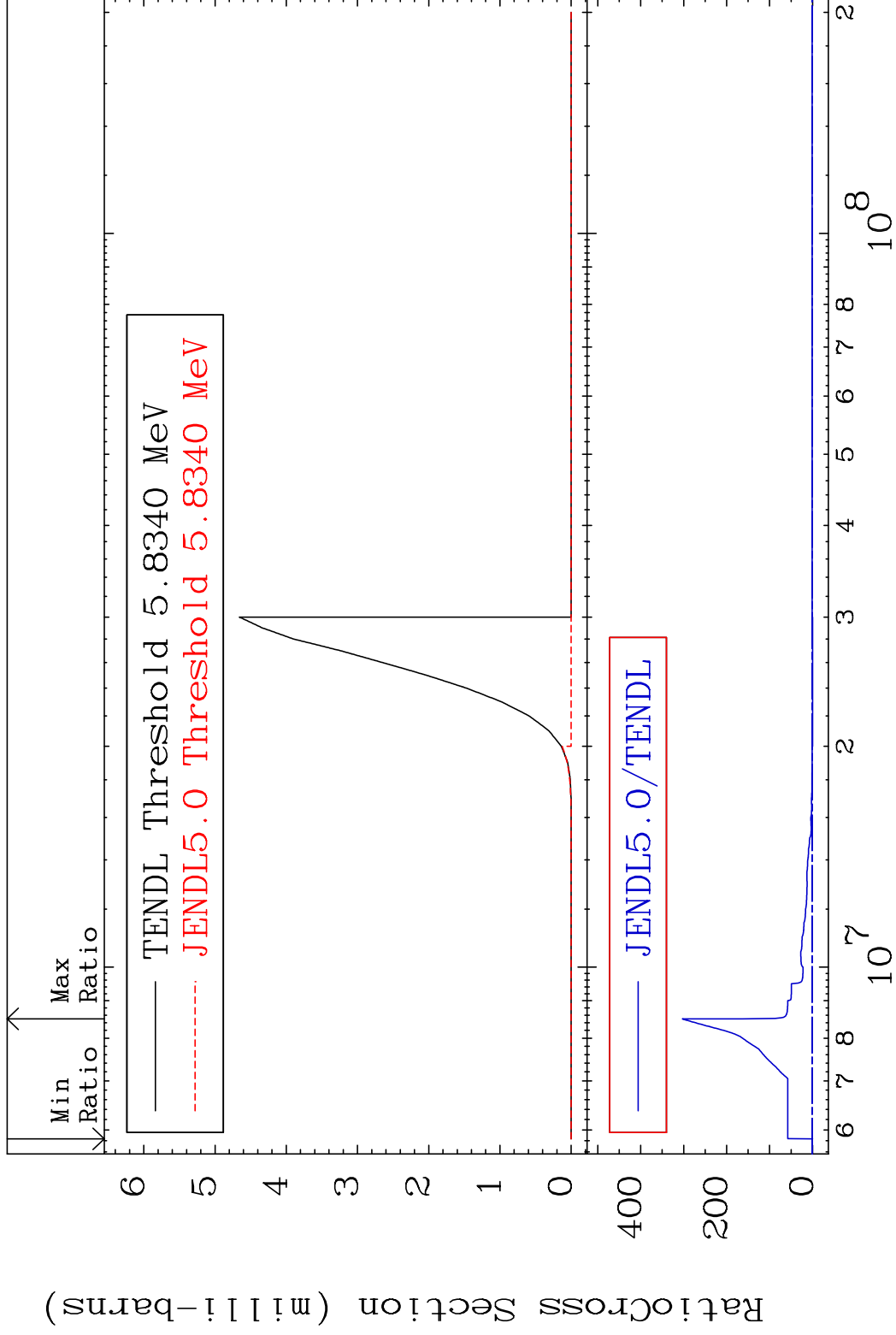
44 Incident Energy (eV) 42-Mo-93

MAT 4228

(n, He-3)

42-Mo-93

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

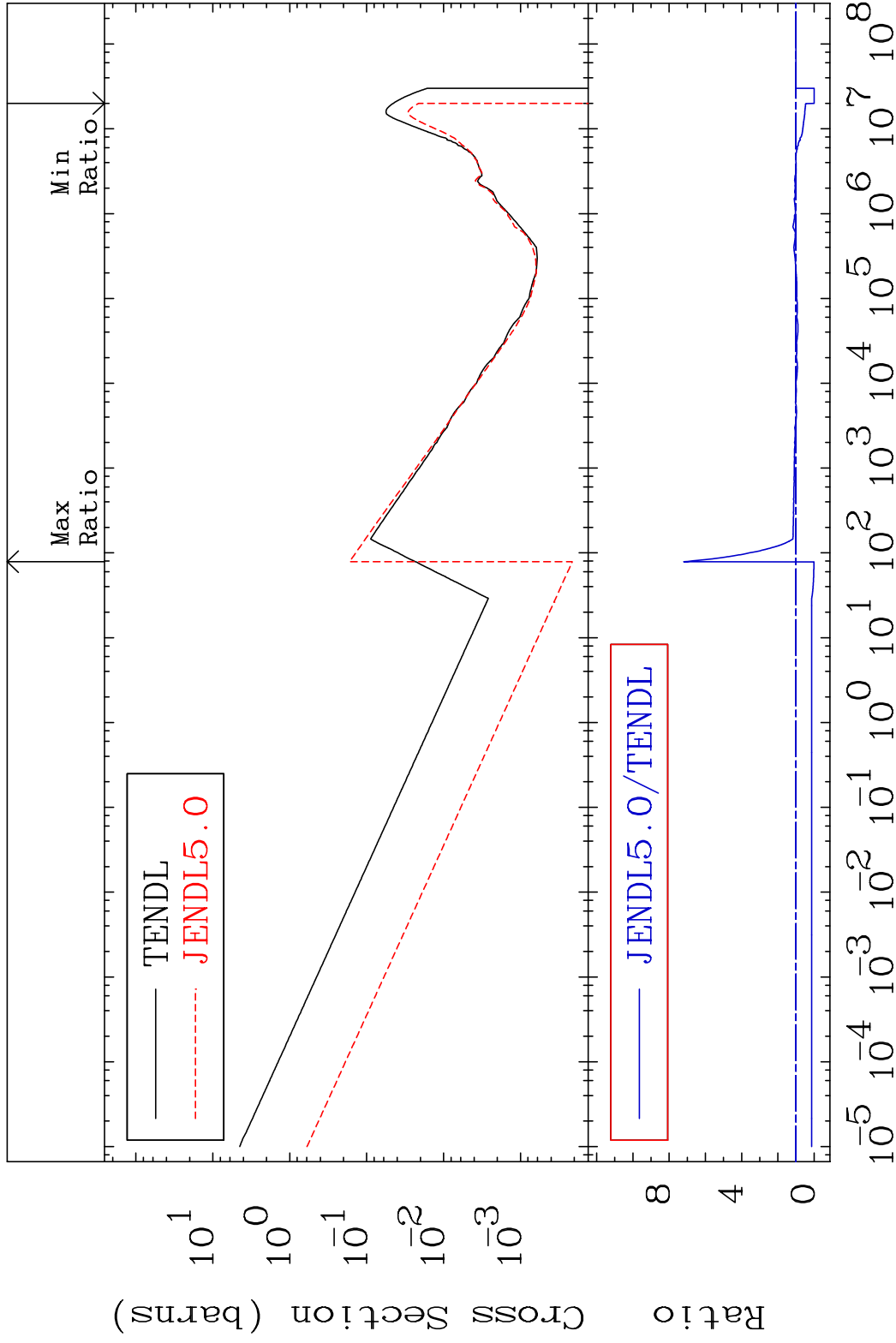
42-Mo-93

MAT 4228

(n, α)

42-Mo-93

Cross Section -100.0 To 619.9 %



46

Incident Energy (eV)

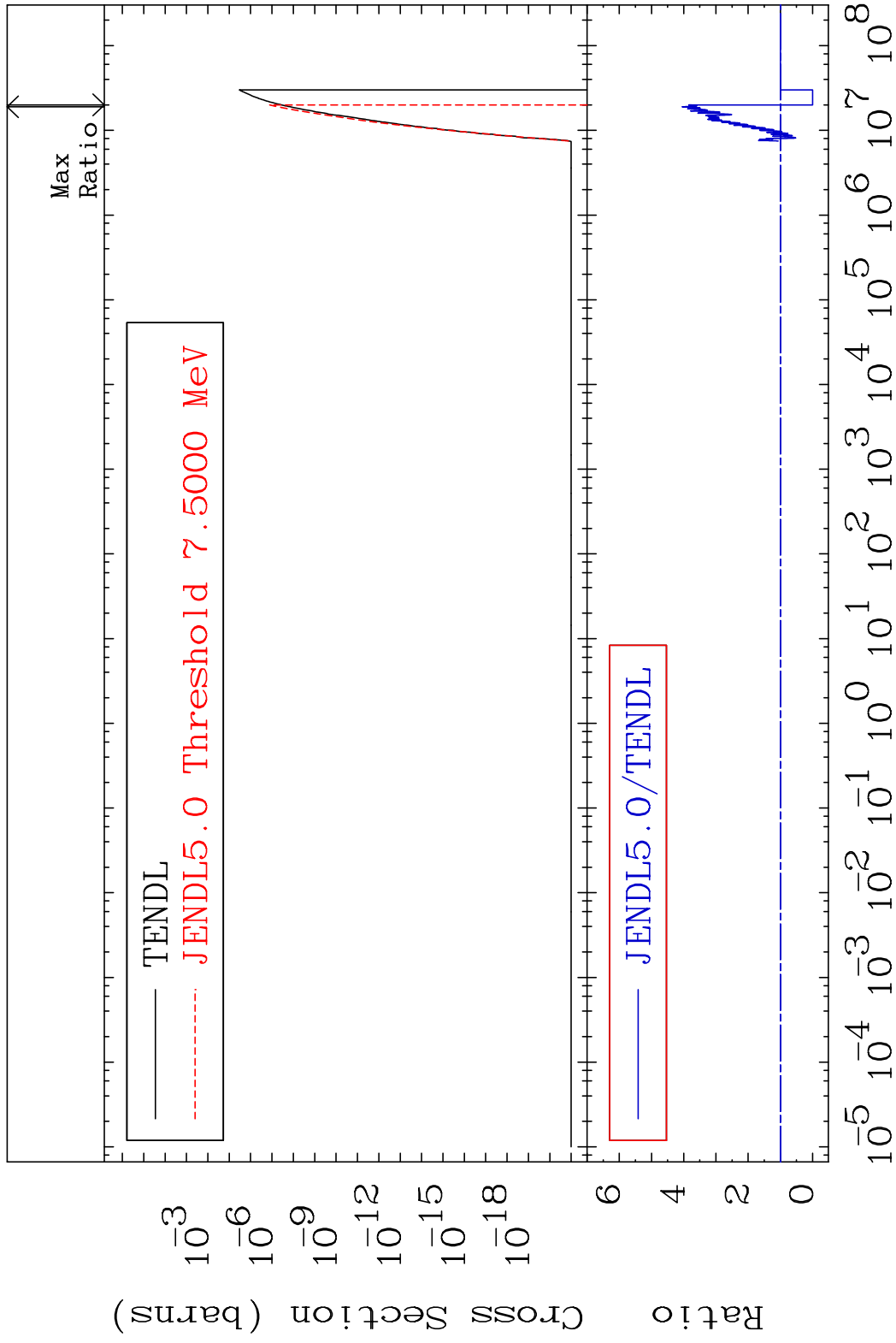
42-Mo-93

MAT 4228

(n,2α)

42-Mo-93

Cross Section -100.0 To 304.3 %



47

Incident Energy (eV)

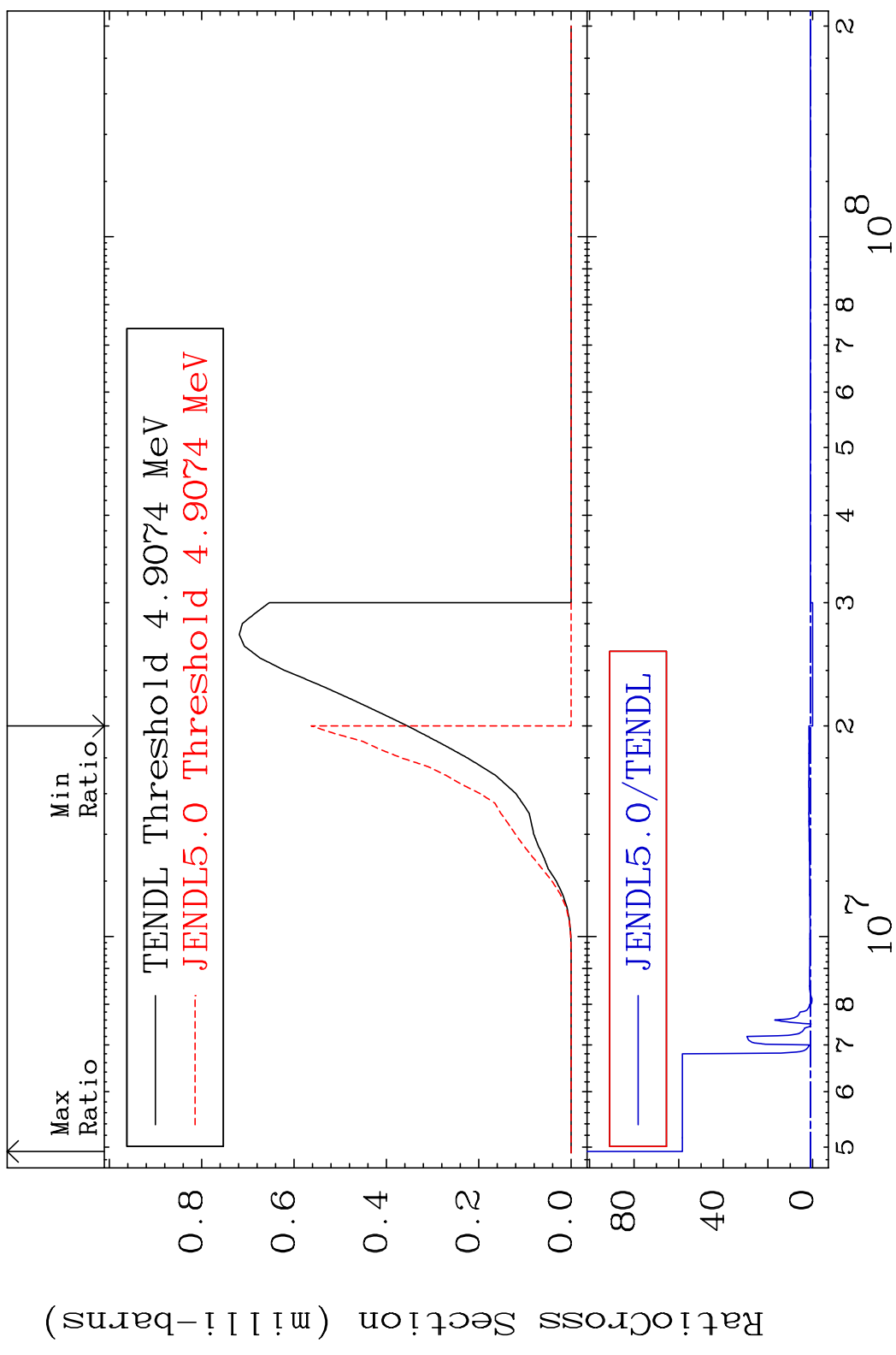
42-Mo-93

MAT 4228

(n,2p)

42-Mo-93

Cross Section -100.0 To 5737. %

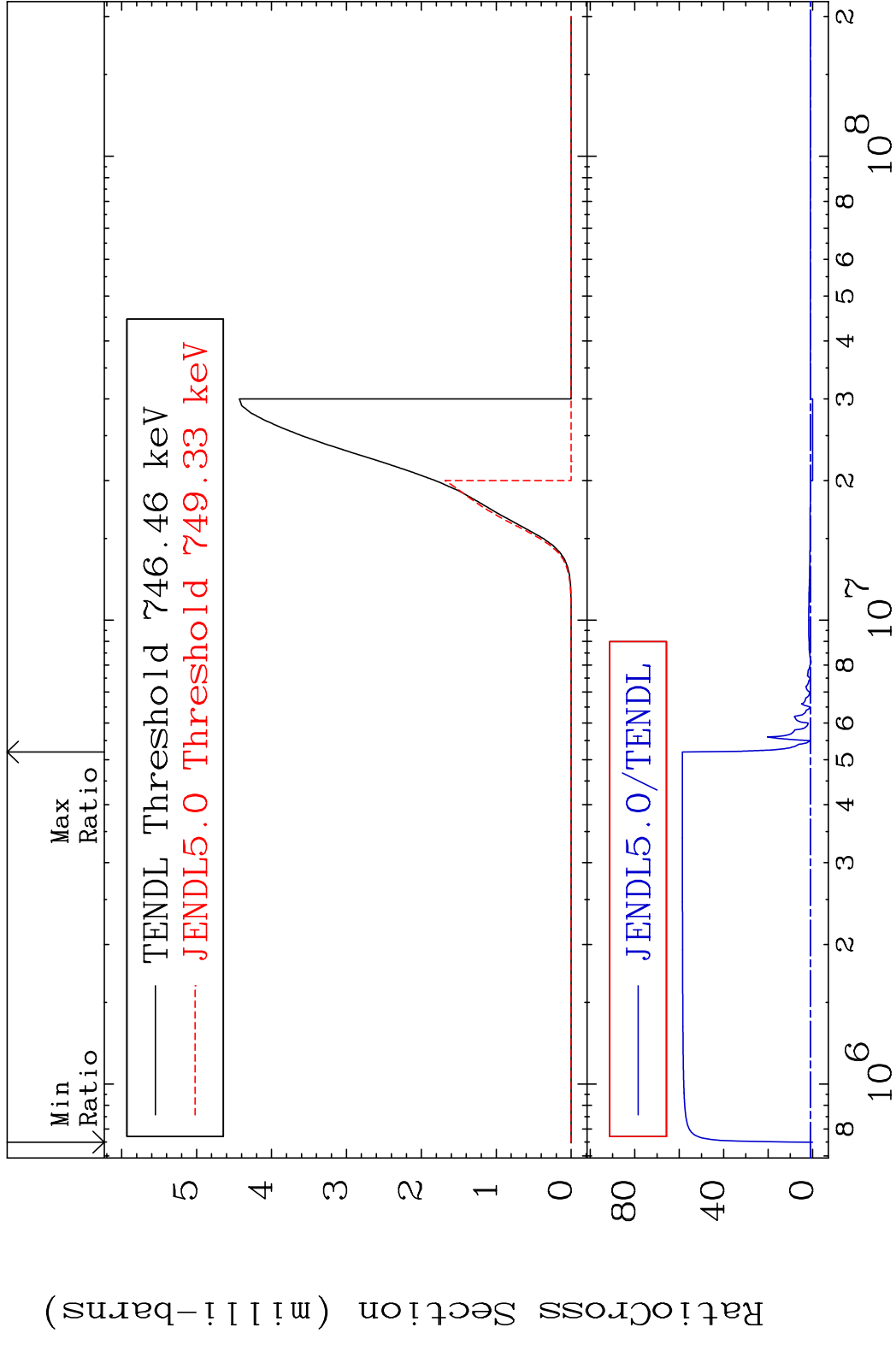


48

Incident Energy (eV)

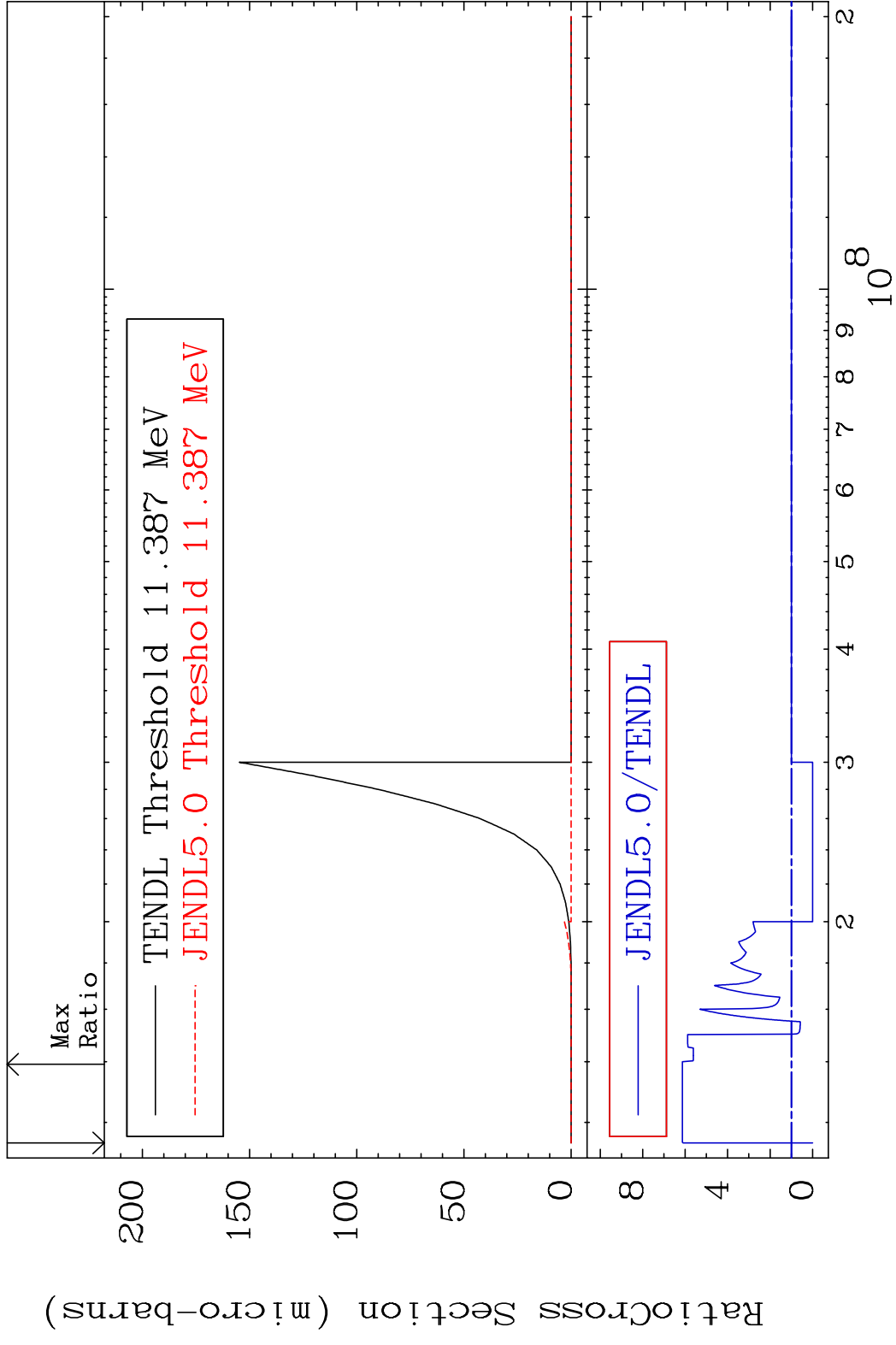
42-Mo-93

MAT 4228 (n,p) α 42-Mo-93
 Cross Section -100.0 To 5759. %

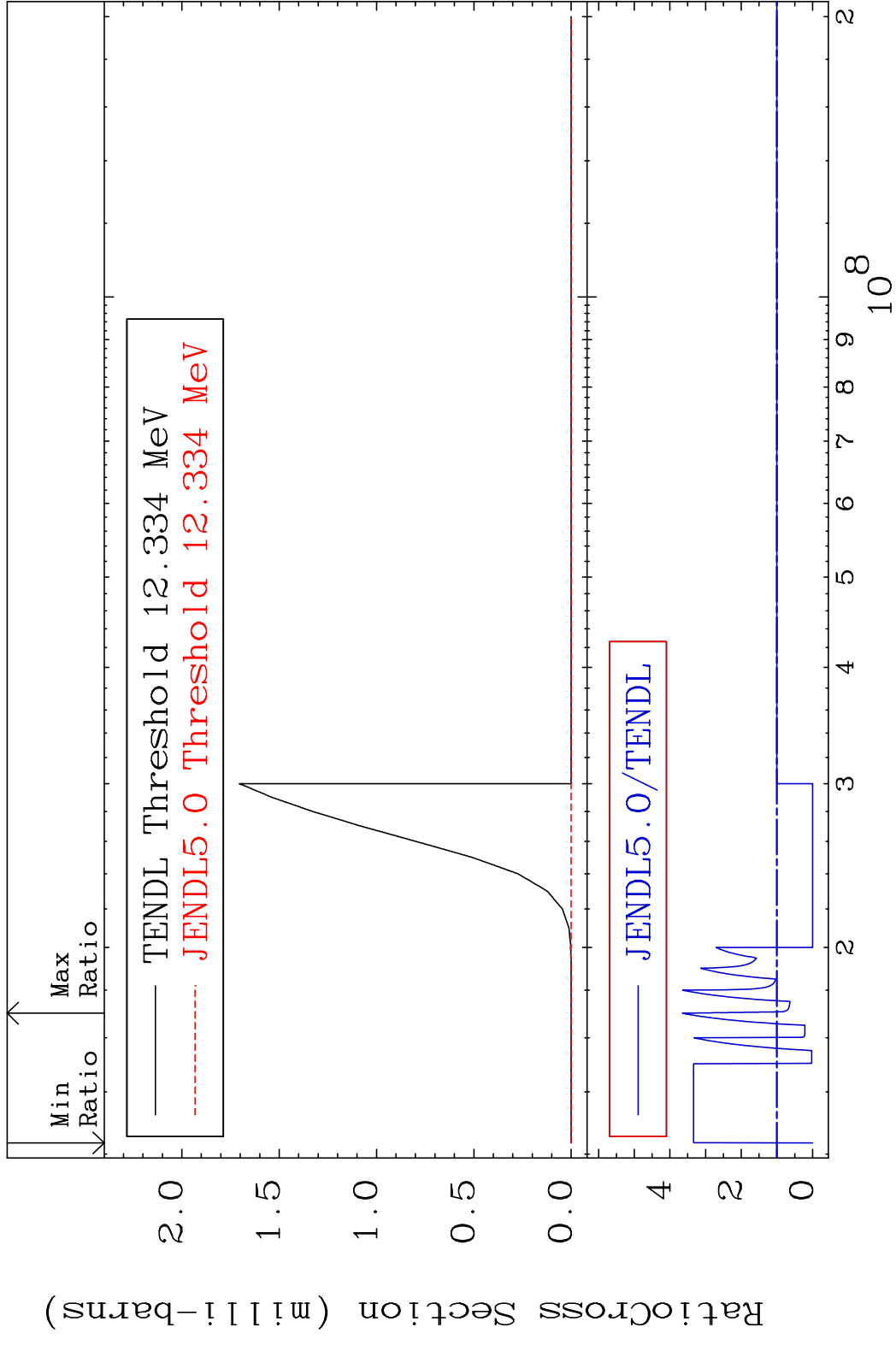


49 Incident Energy (eV) 42-Mo-93

MAT 4228 (n,p) d 42-Mo-93
 Cross Section -100.0 To 513.2 %



MAT 4228 (n,p) t 42-Mo-93
 Cross Section -100.0 To 265.1 %

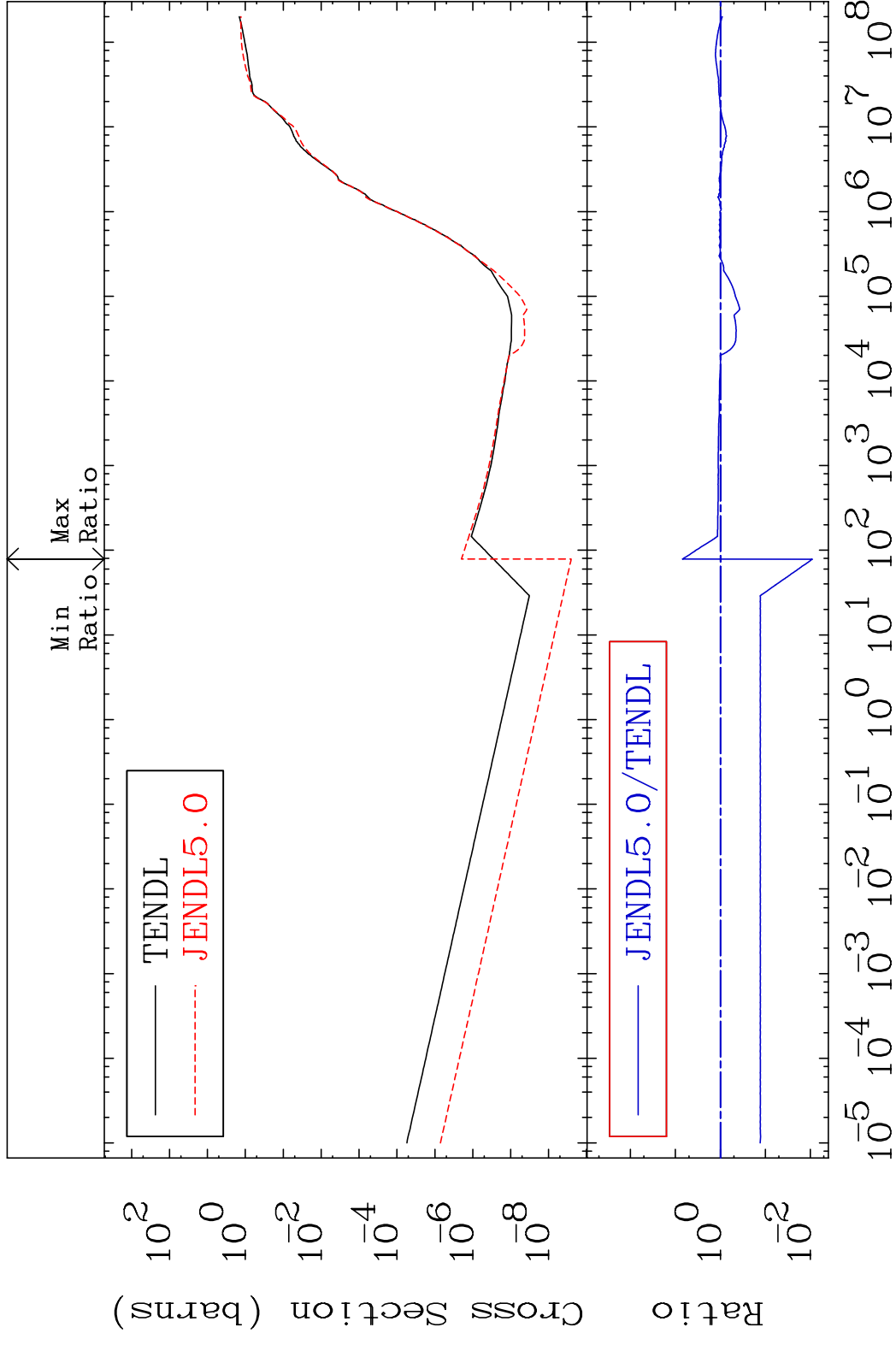


MAT 4228

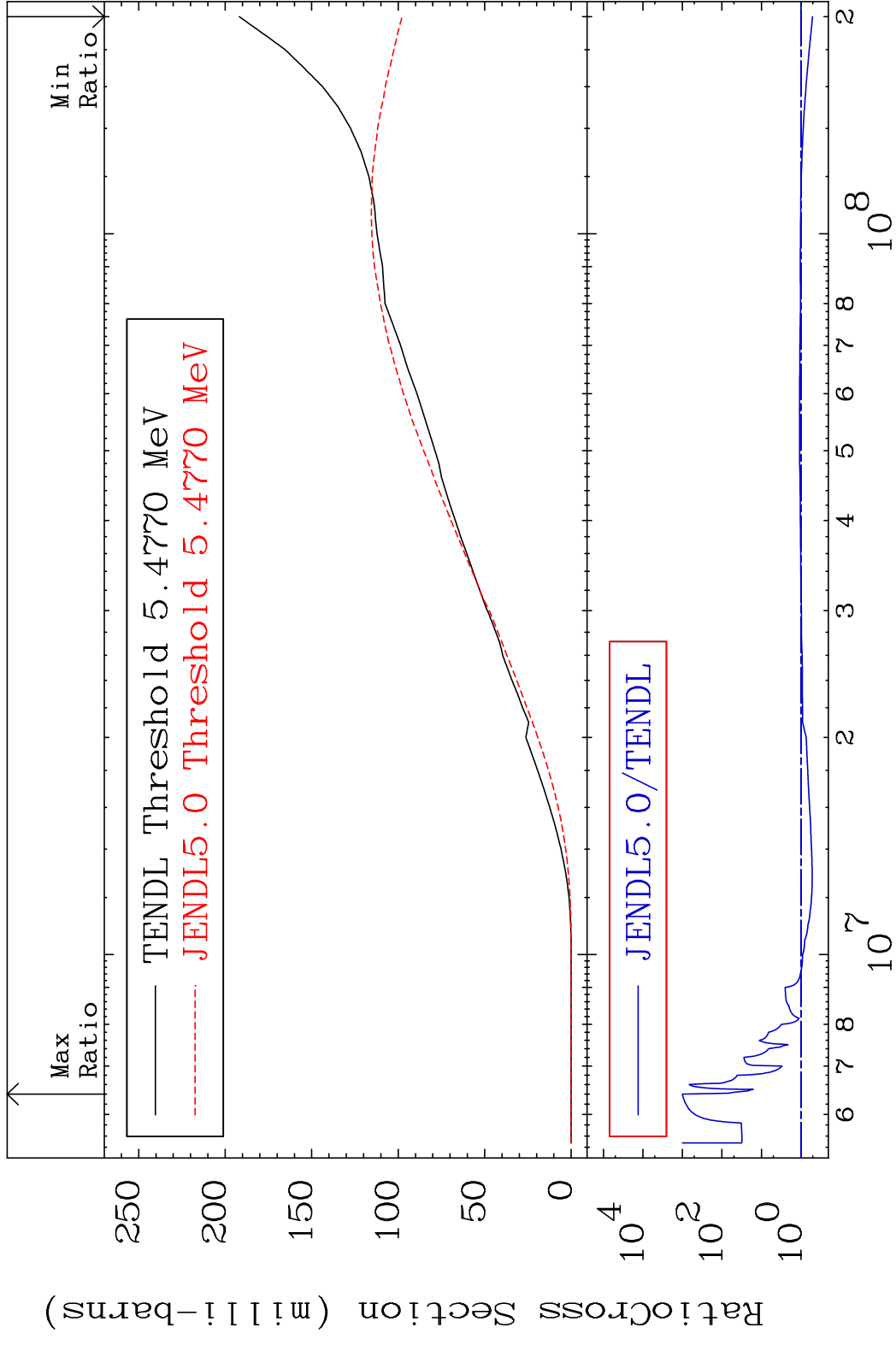
Hydrogen Production

42-Mo-93

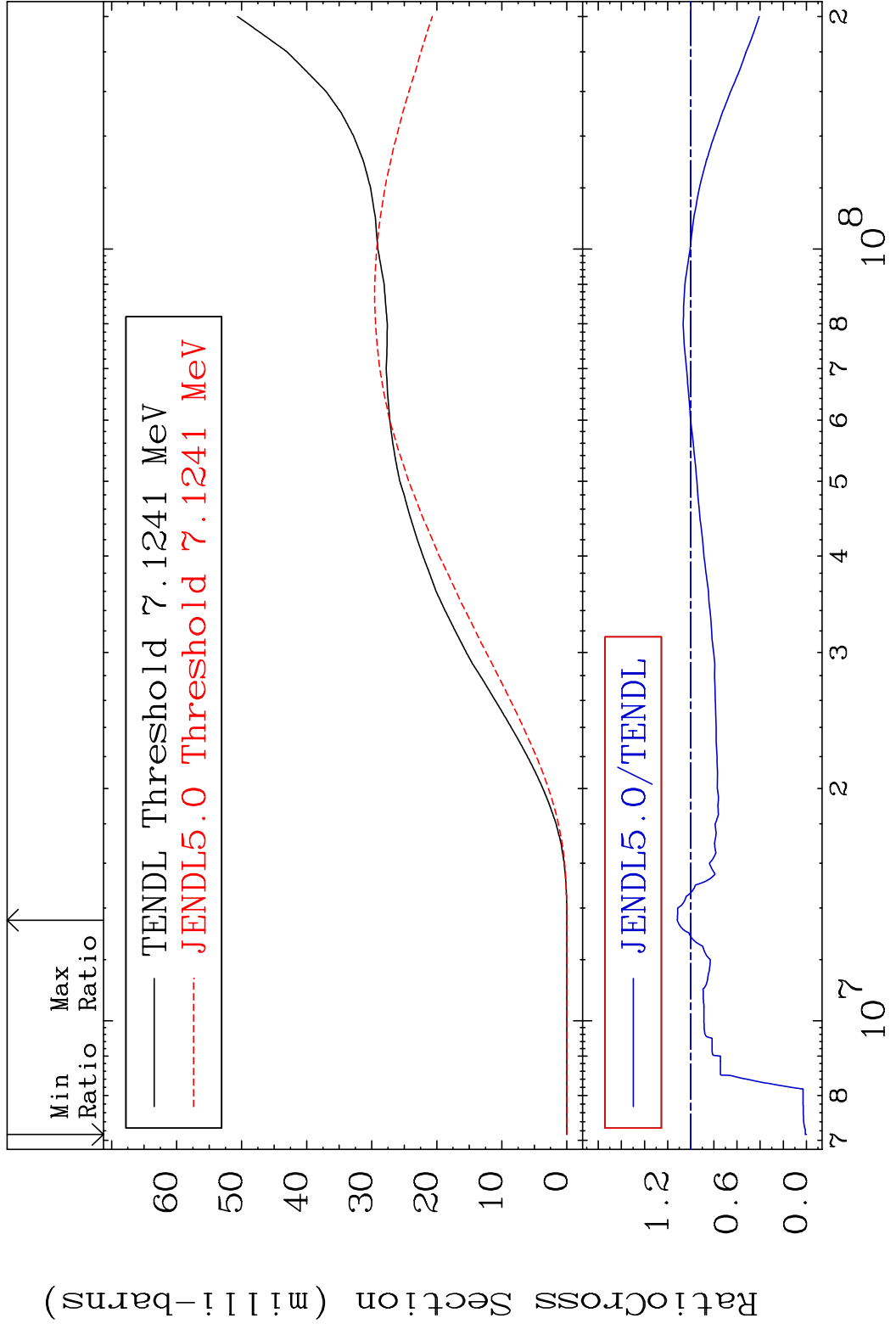
Cross Section -99.11 To 599.9 %



Cross Section -49.05 To 9999. %



MAT 4228 Tritium Production 42-Mo-93
 Cross Section -100.0 To 11.77 %

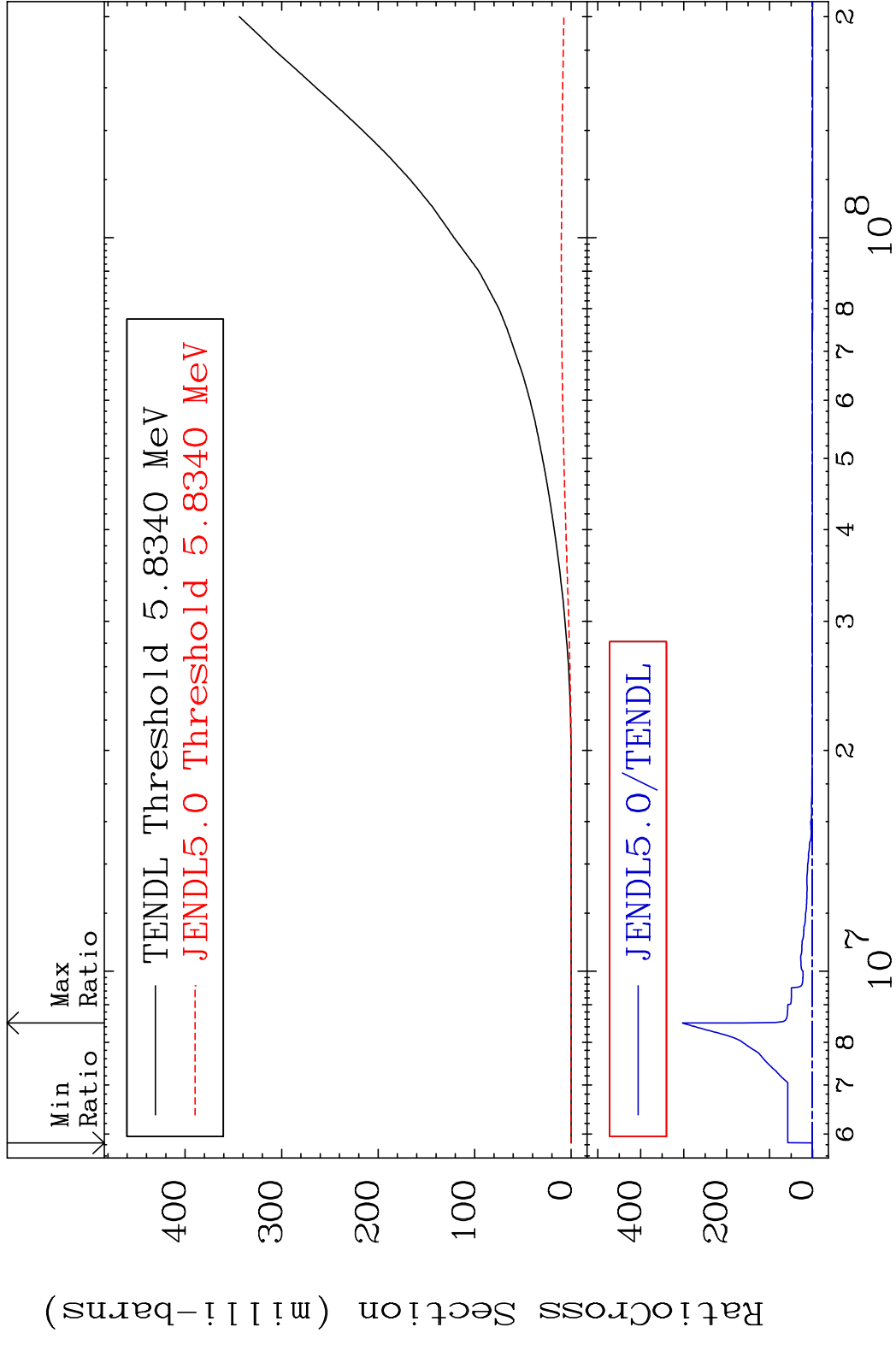


MAT 4228

He-3 Production

42-Mo-93

Cross Section -100.0 To 9999. %



55

Incident Energy (eV)

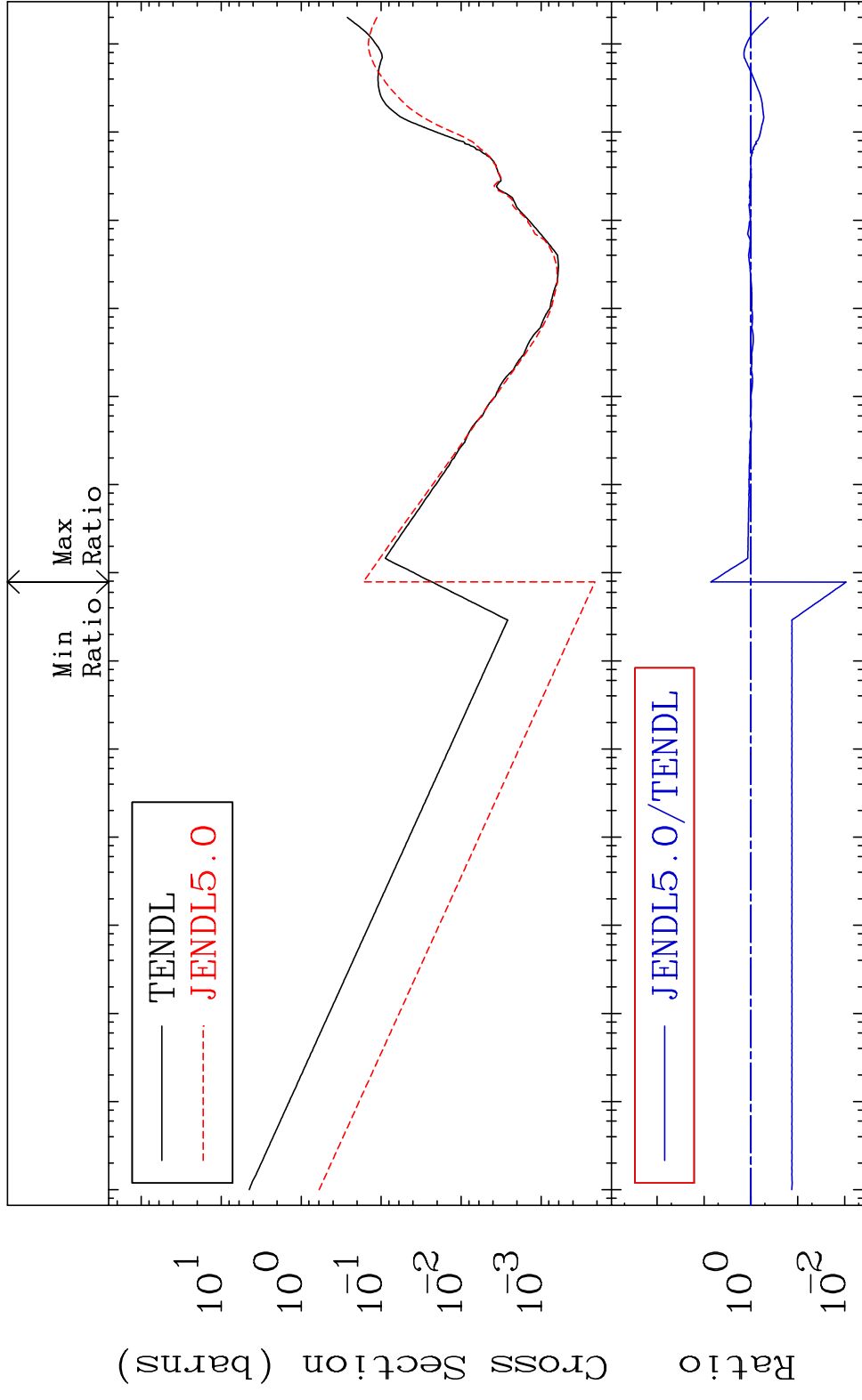
42-Mo-93

MAT 4228

He-4 Production

42-Mo-93

Cross Section -99.08 To 619.9 %

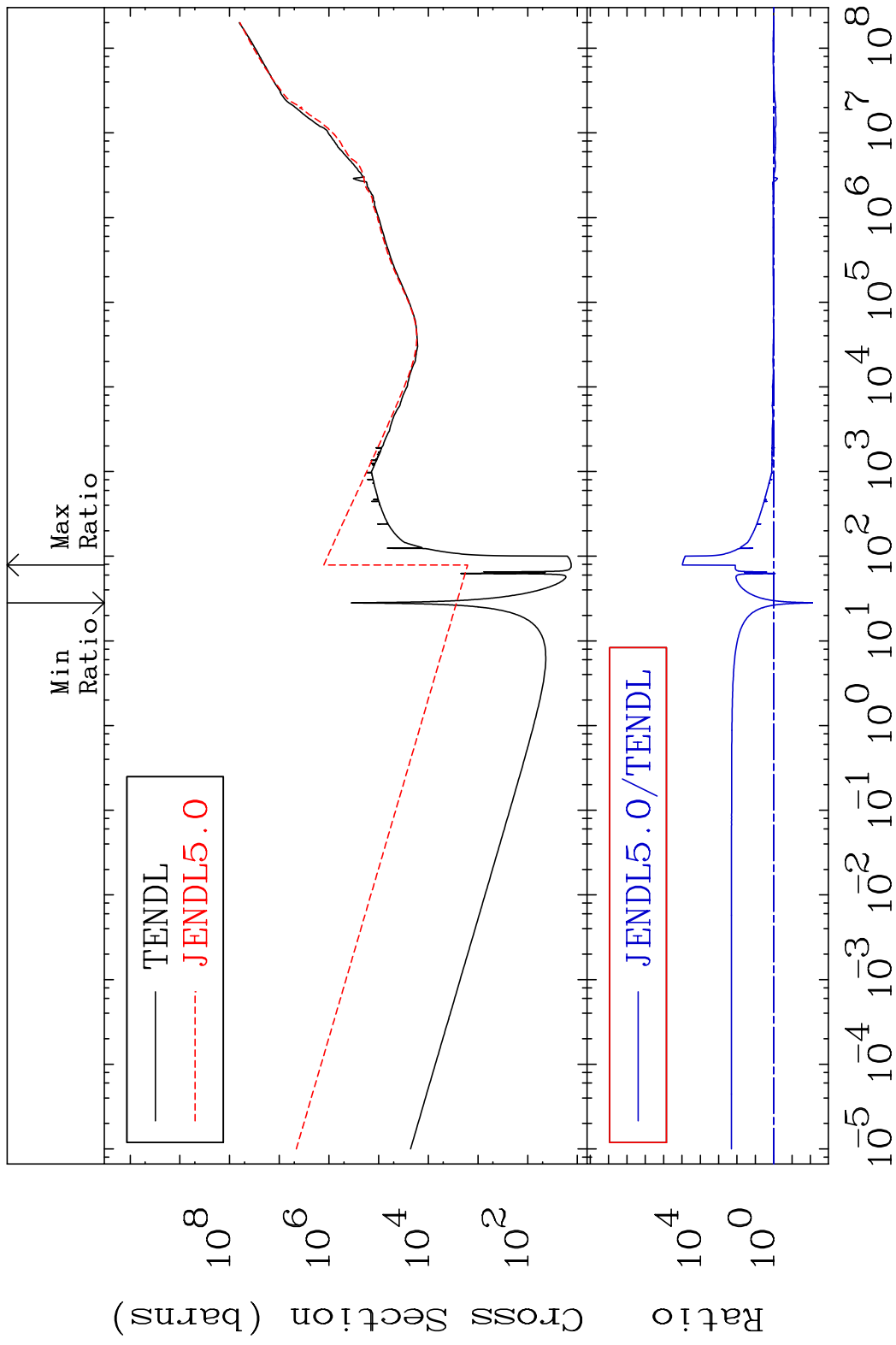


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Incident Energy (eV)

42-Mo-93

MAT 4228 Kerma total (eV-barns) 42-Mo-93
 Cross Section -99.24 To 9999. %

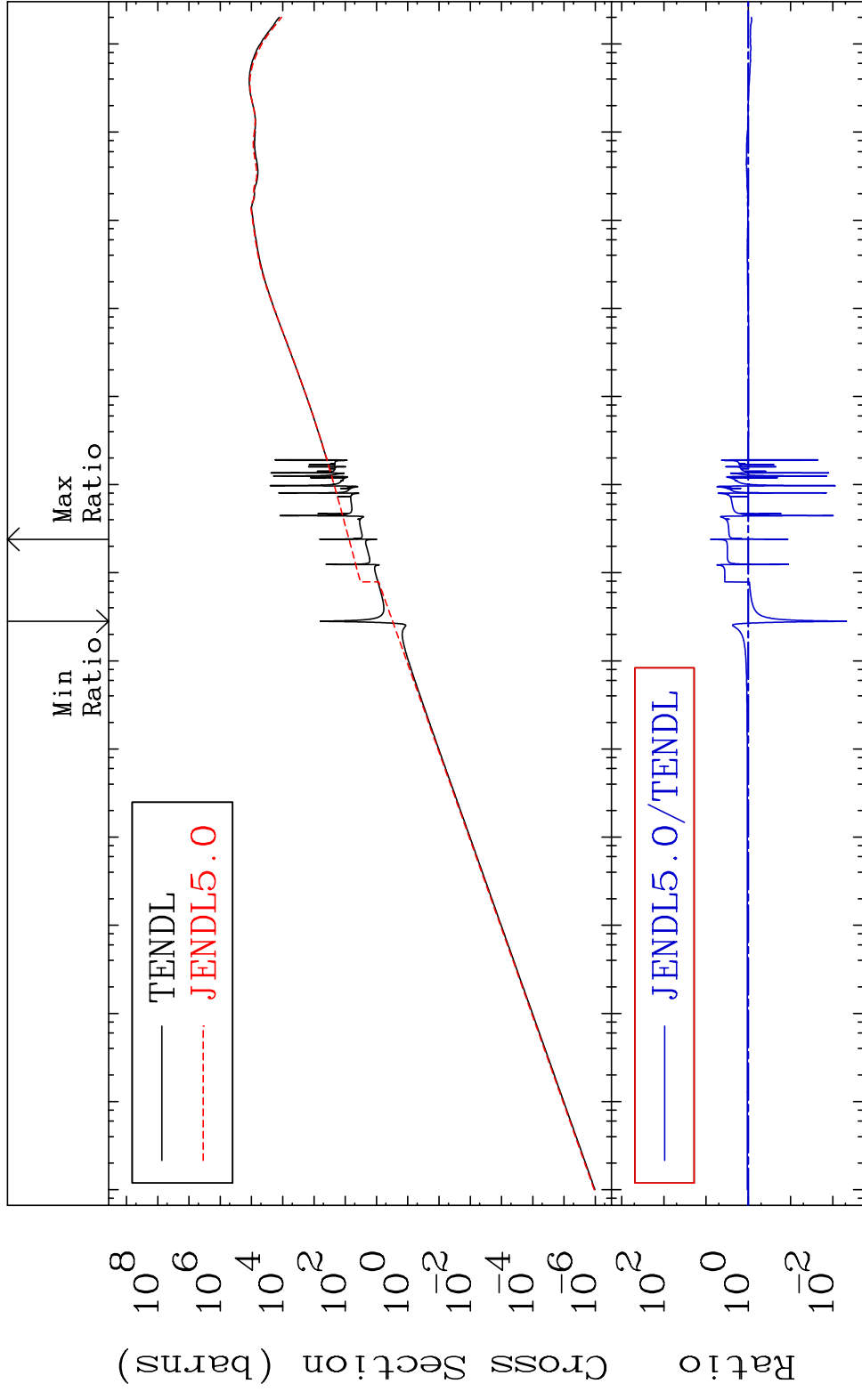


MAT 4228

Kerma elastic
Cross Section

42-Mo-93

-99.52 To 678.0 %



Cross Section (barns)

Ratio

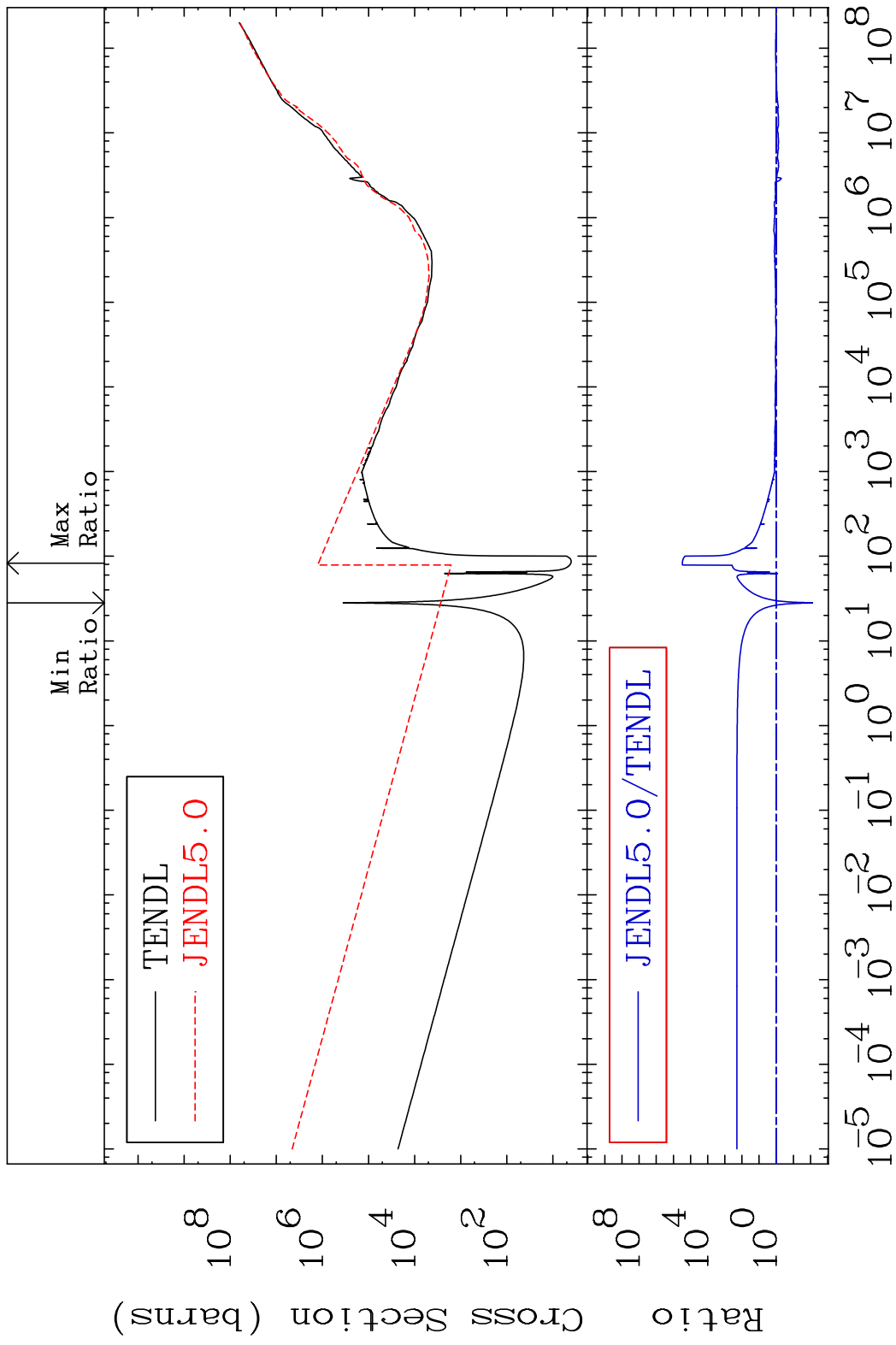
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

58

Incident Energy (eV)

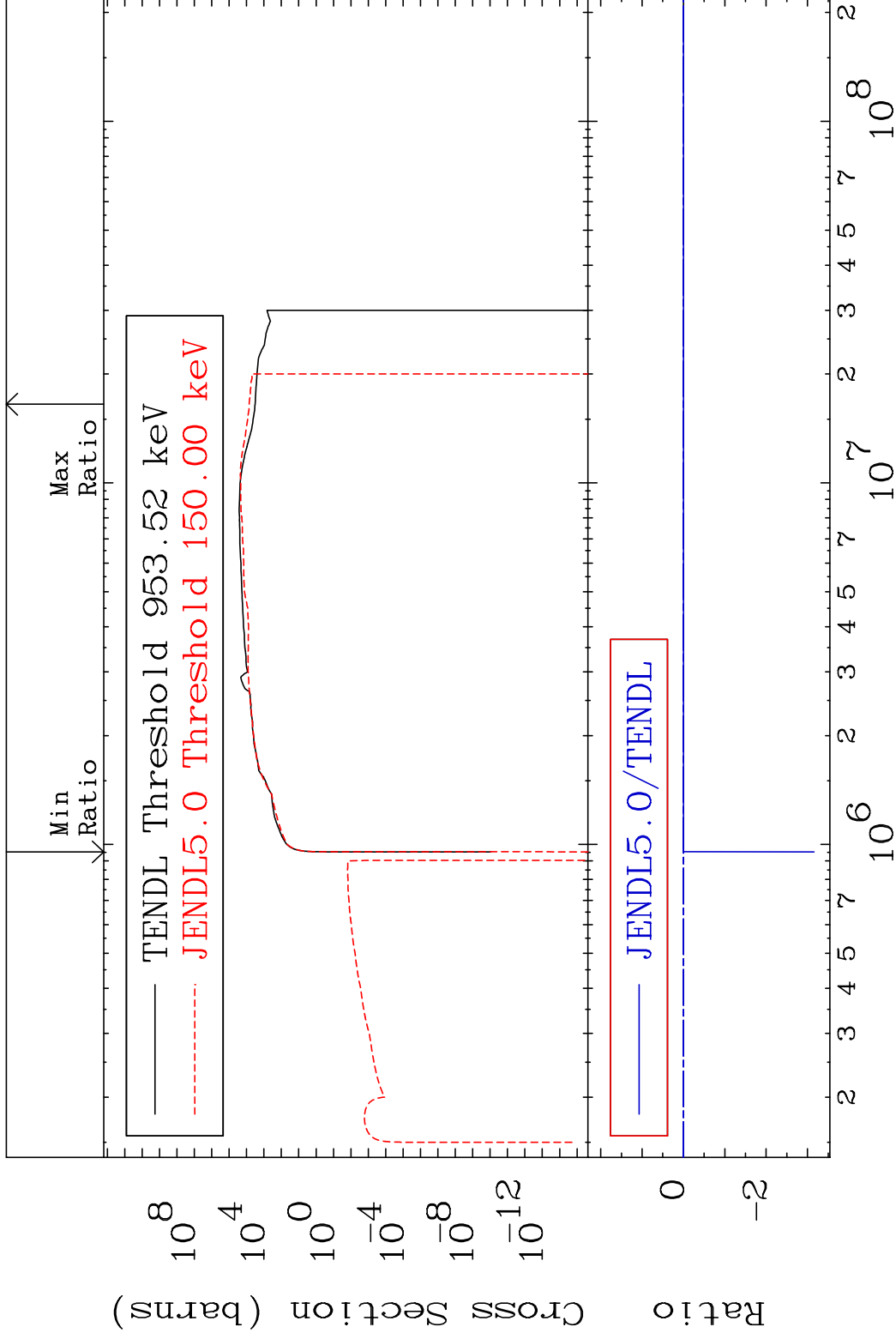
42-Mo-93

MAT 4228 Kerma non-elastic (all but mt2) 42-Mo-93
 Cross Section -99.24 To 9999. %



MAT 4228

Kerma inelastic (mt51-91) 42-Mo-93
Cross Section -9999. To 120.2 %

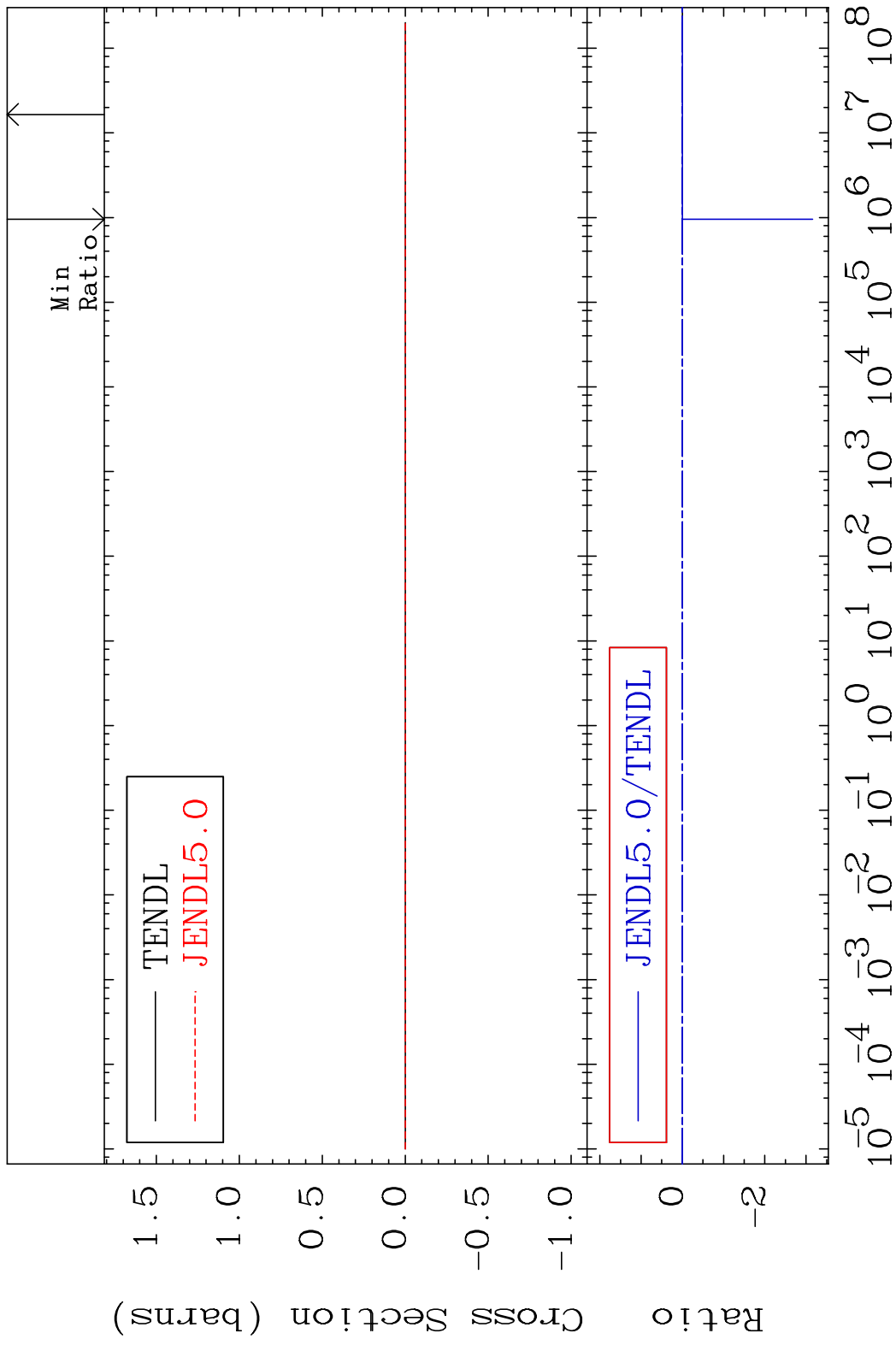


60

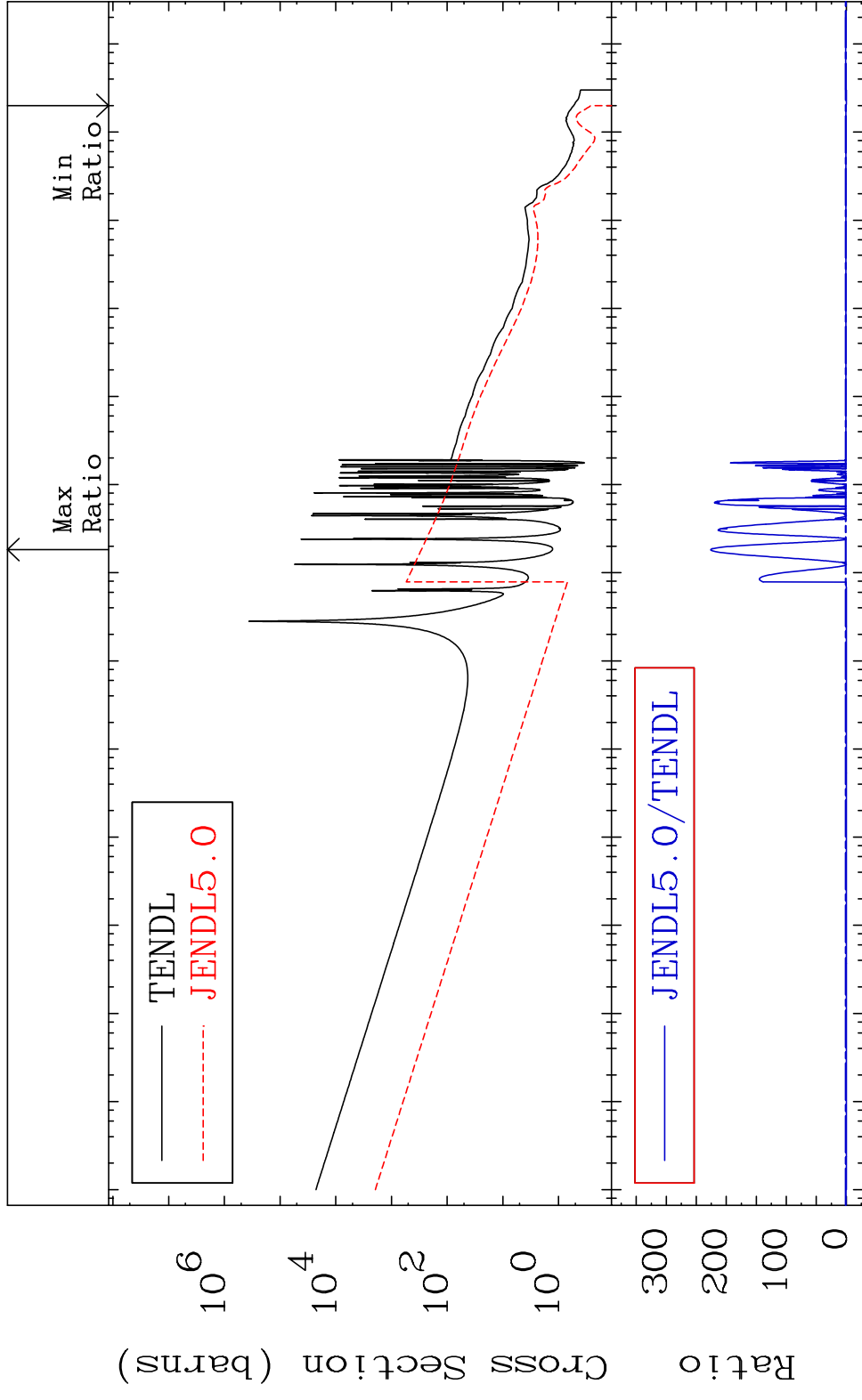
Incident Energy (eV)

42-Mo-93

MAT 4228 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-93
 Cross Section -9999. To 120.2 %

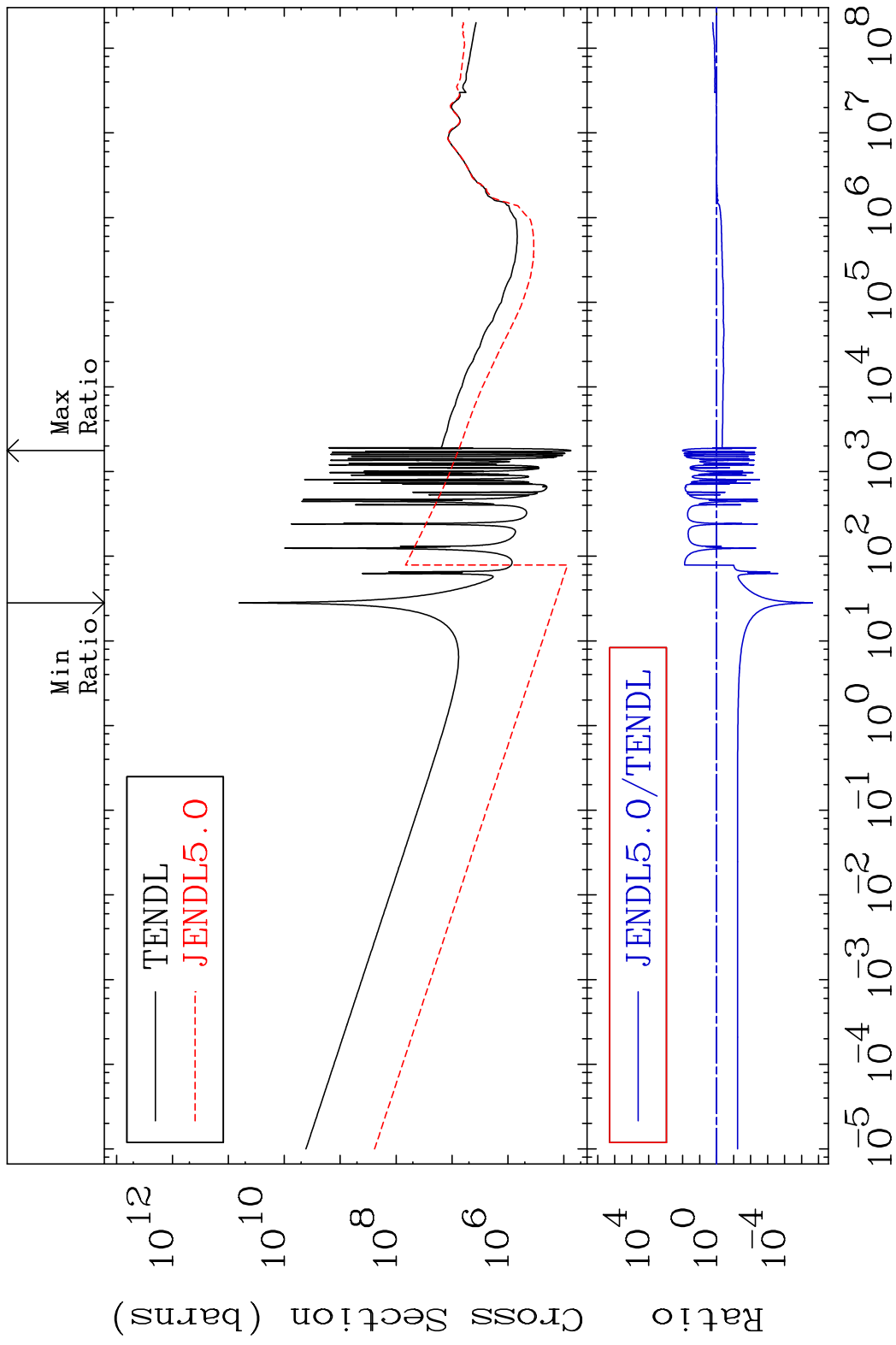


MAT 4228 Kerma capture (mt102) 42-Mo-93
 Cross Section -100.0 To 9999. %



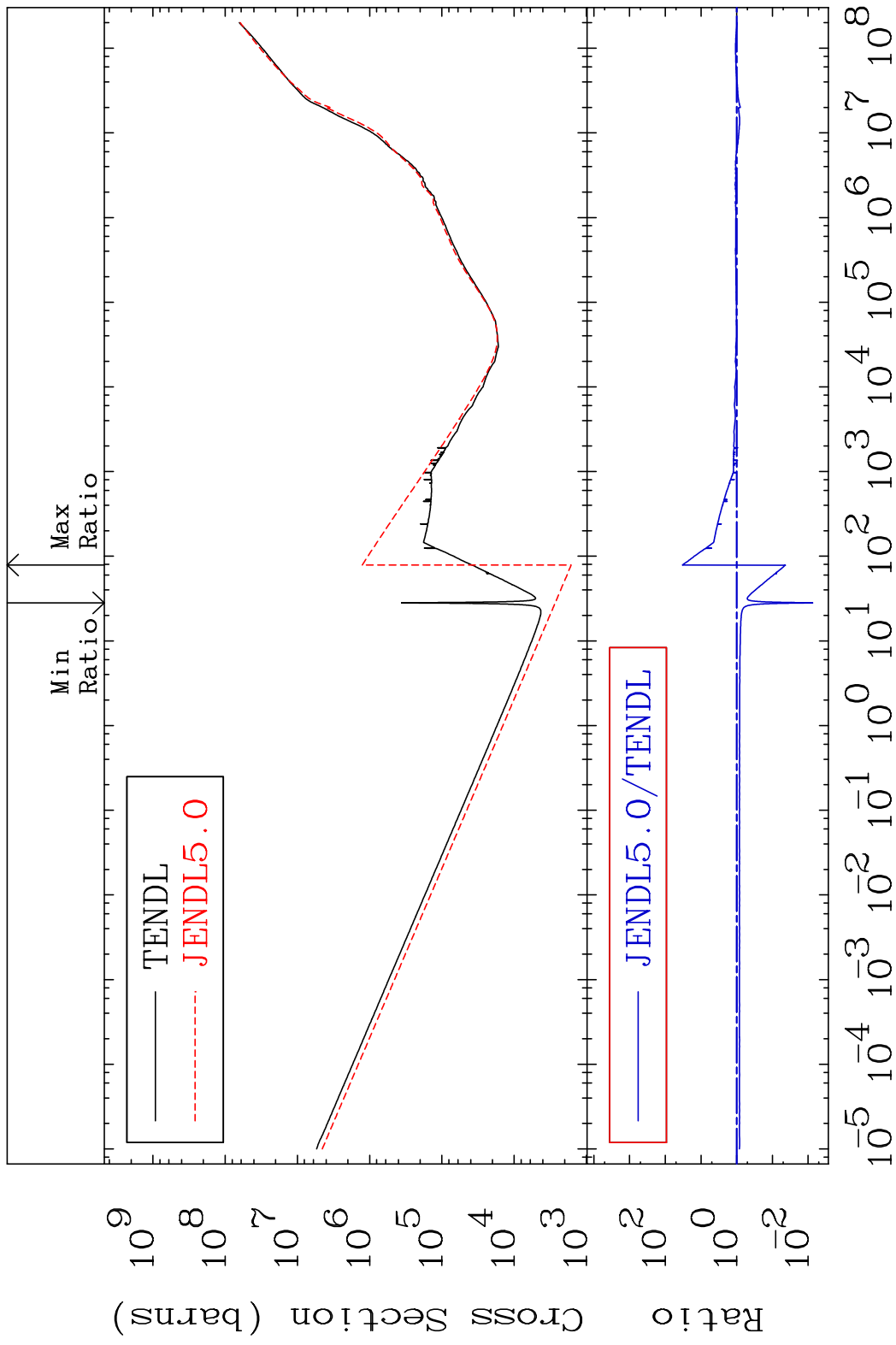
62 Incident Energy (eV) 42-Mo-93

MAT 4228 Total photon (eV-barns) 42-Mo-93
Cross Section -100.0 To 9999. %

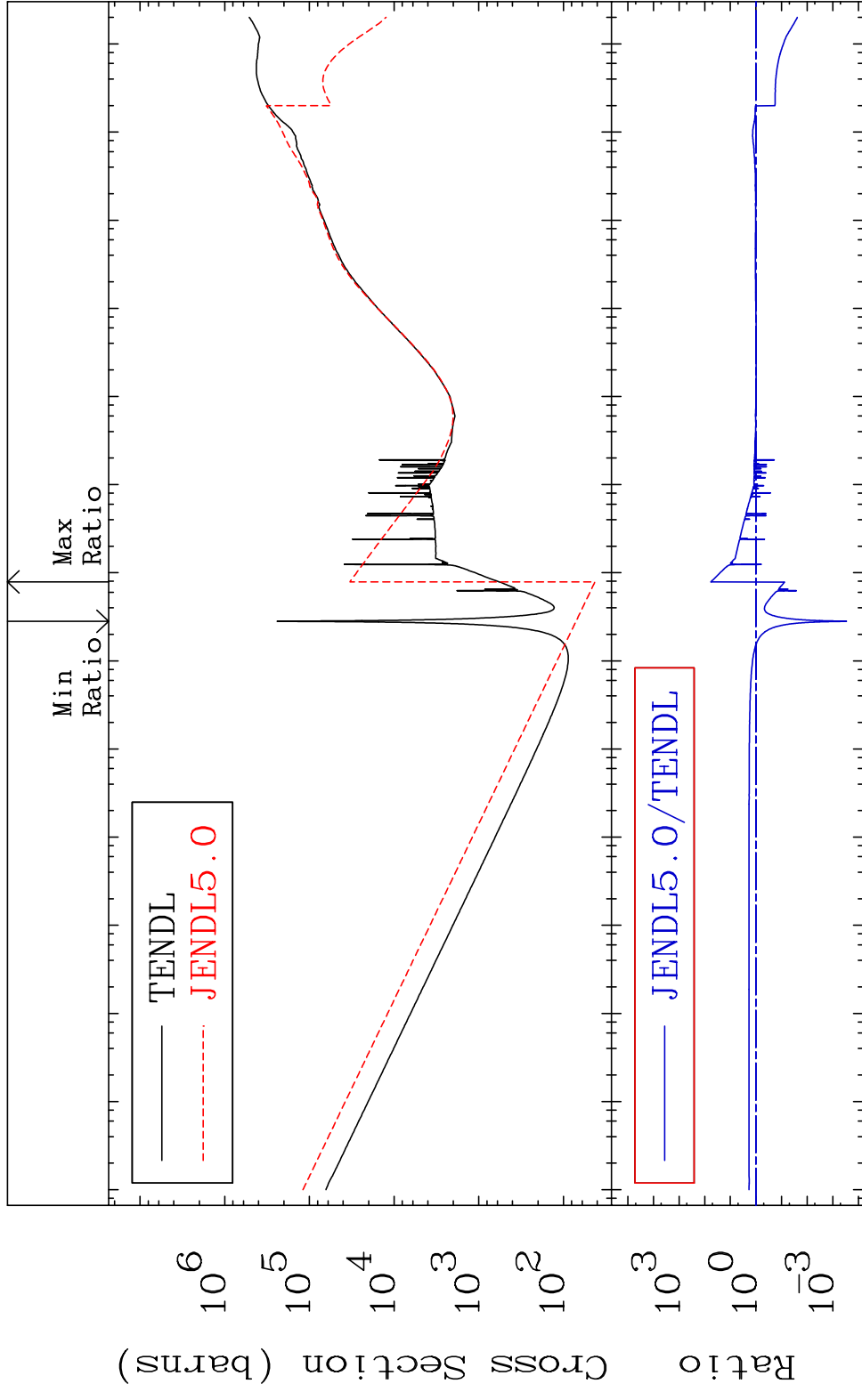


63 Incident Energy (eV) 42-Mo-93

MAT 4228 Total kinematic kerma (high limit) 42-Mo-93
 Cross Section -99.25 To 3225. %



MAT 4228 Dpa total (eV-barns) 42-Mo-93
 Cross Section -99.97 To 5739. %

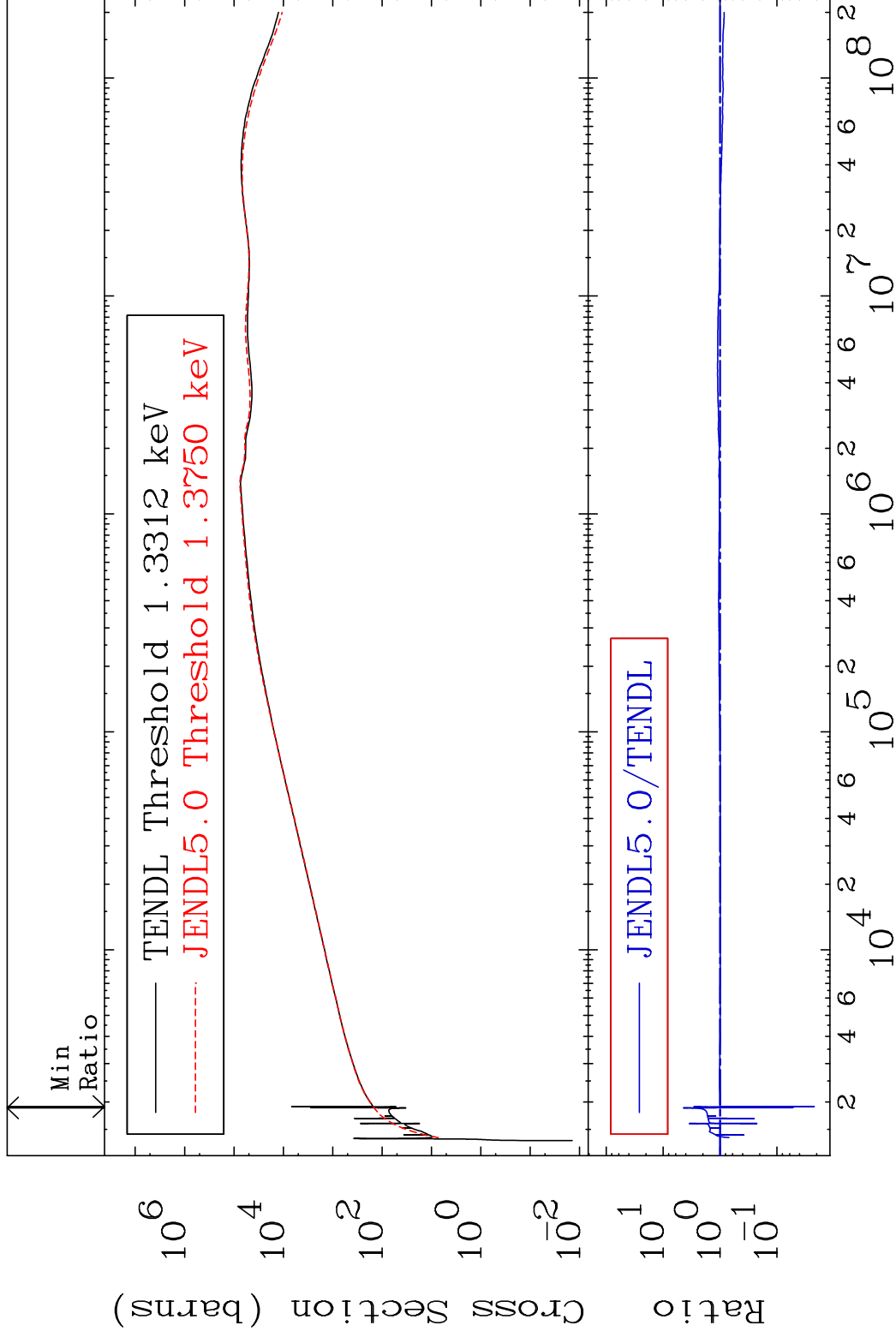


MAT 4228

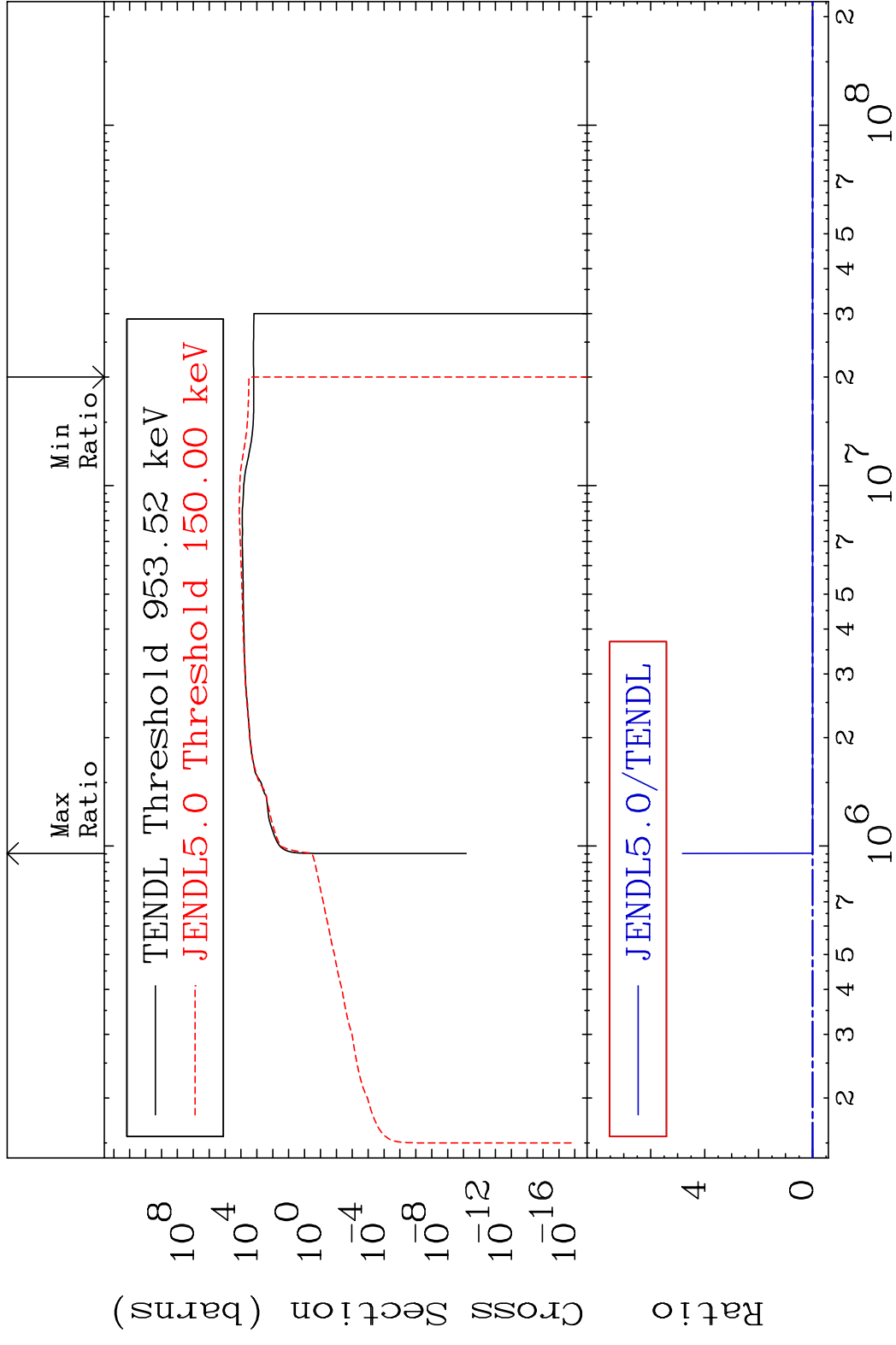
Dpa elastic (mt2)

42-Mo-93

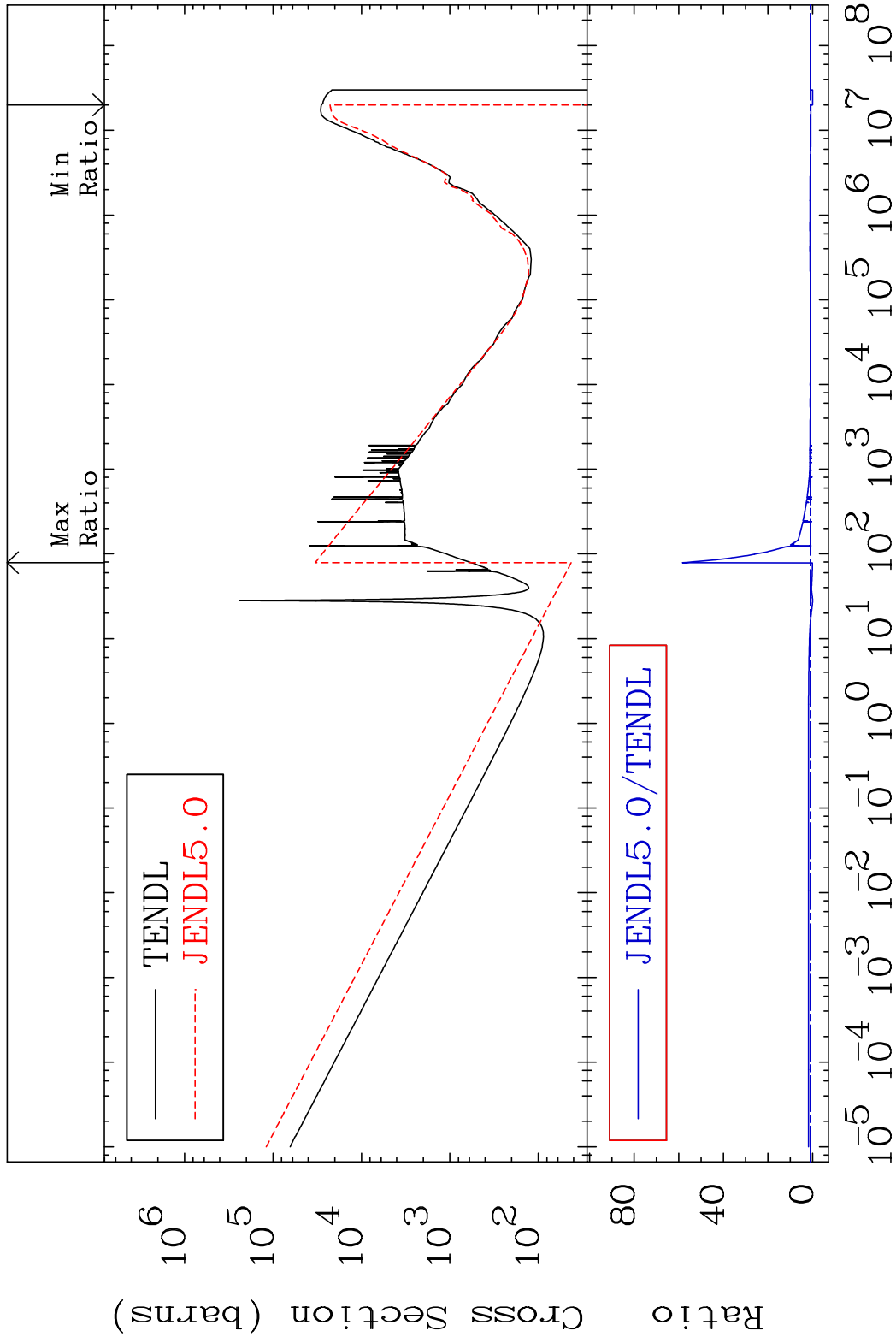
Cross Section -97.777 To 336.0 %

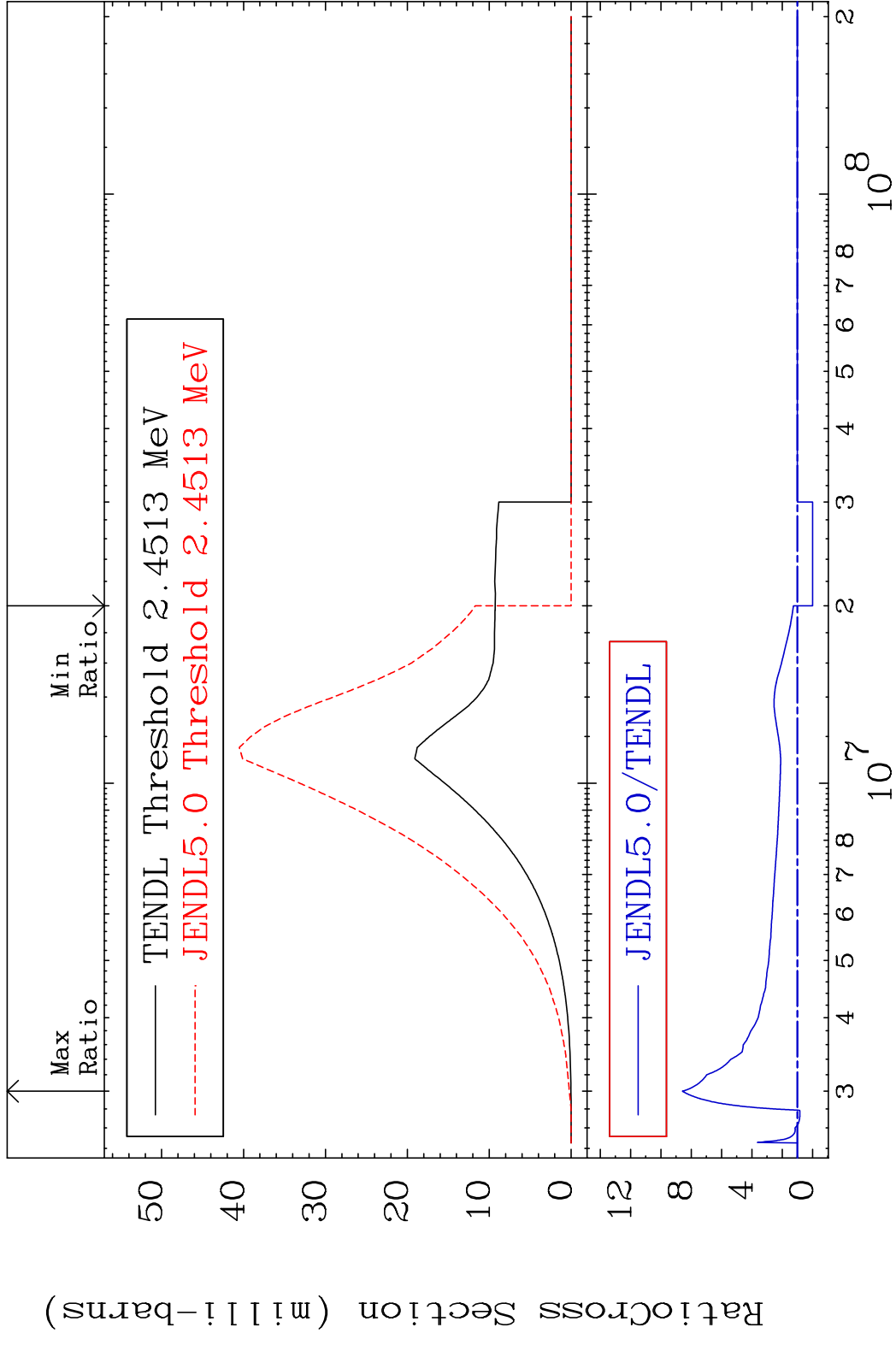


MAT 4228 Dpa inelastic (mt51-91) 42-Mo-93
 Cross Section -100.0 To 9999. %

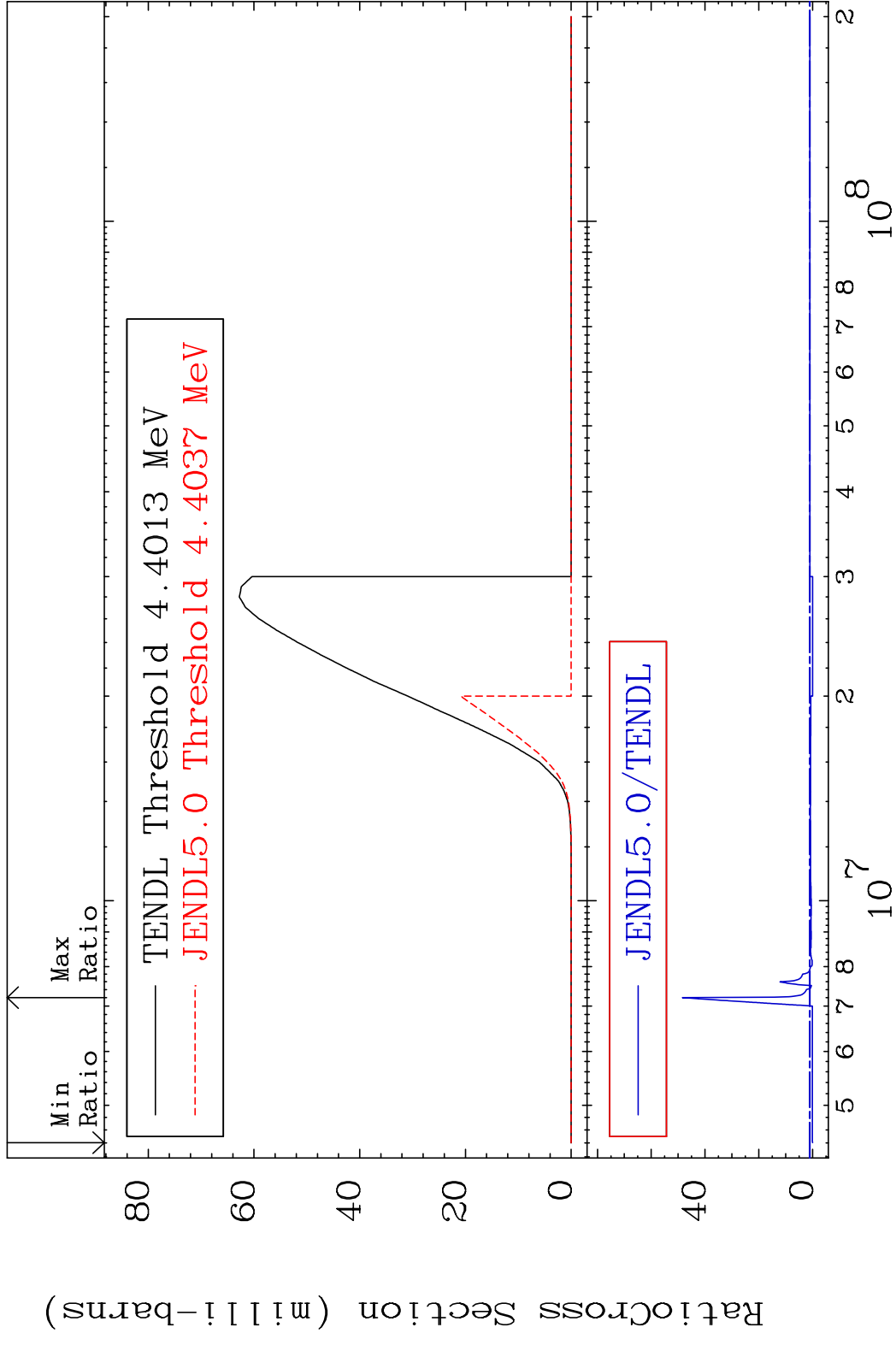


MAT 4228 Dpa disappearance (mt102 -120) 42-Mo-93
 Cross Section -100.0 To 5739. %

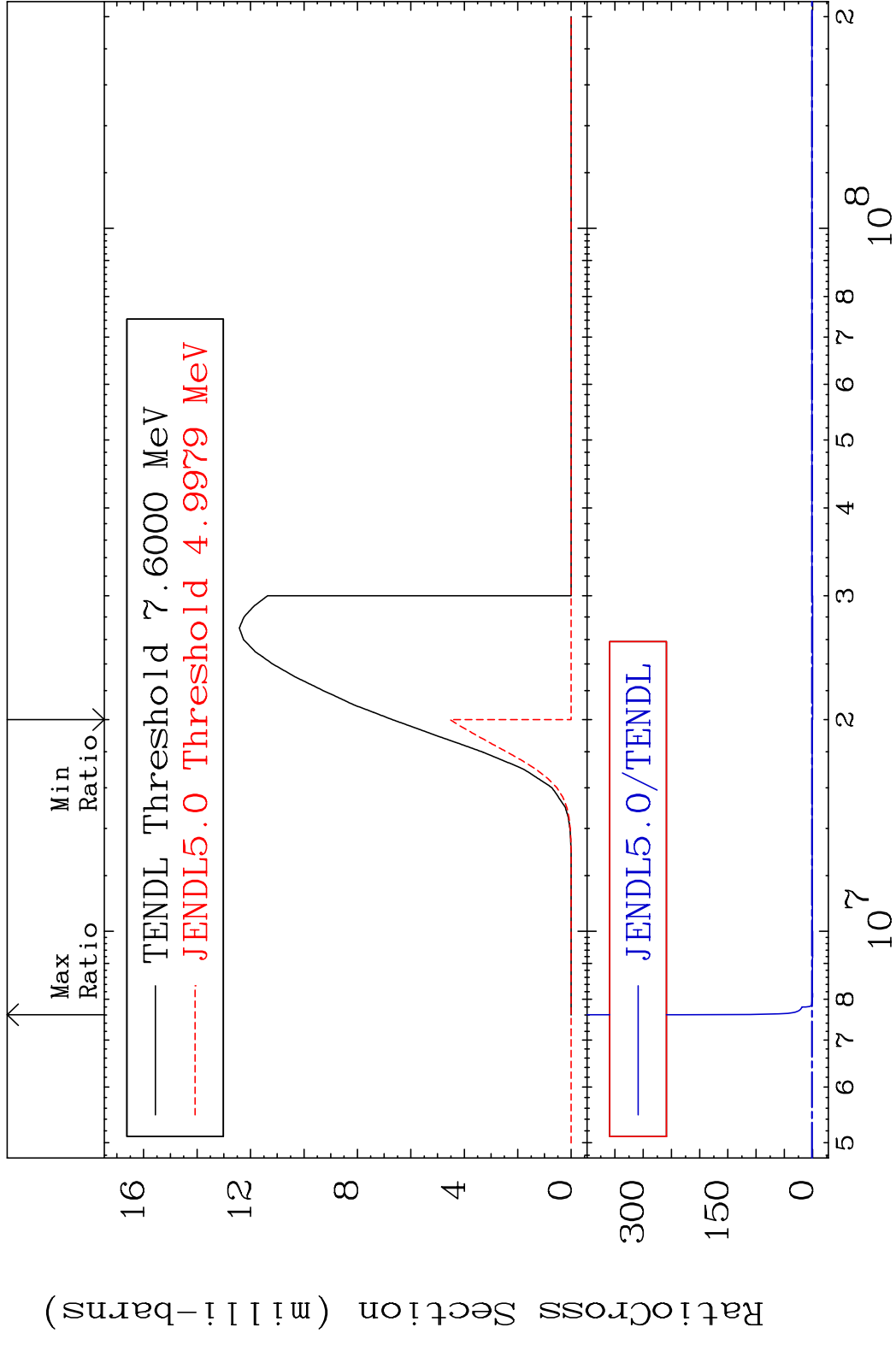




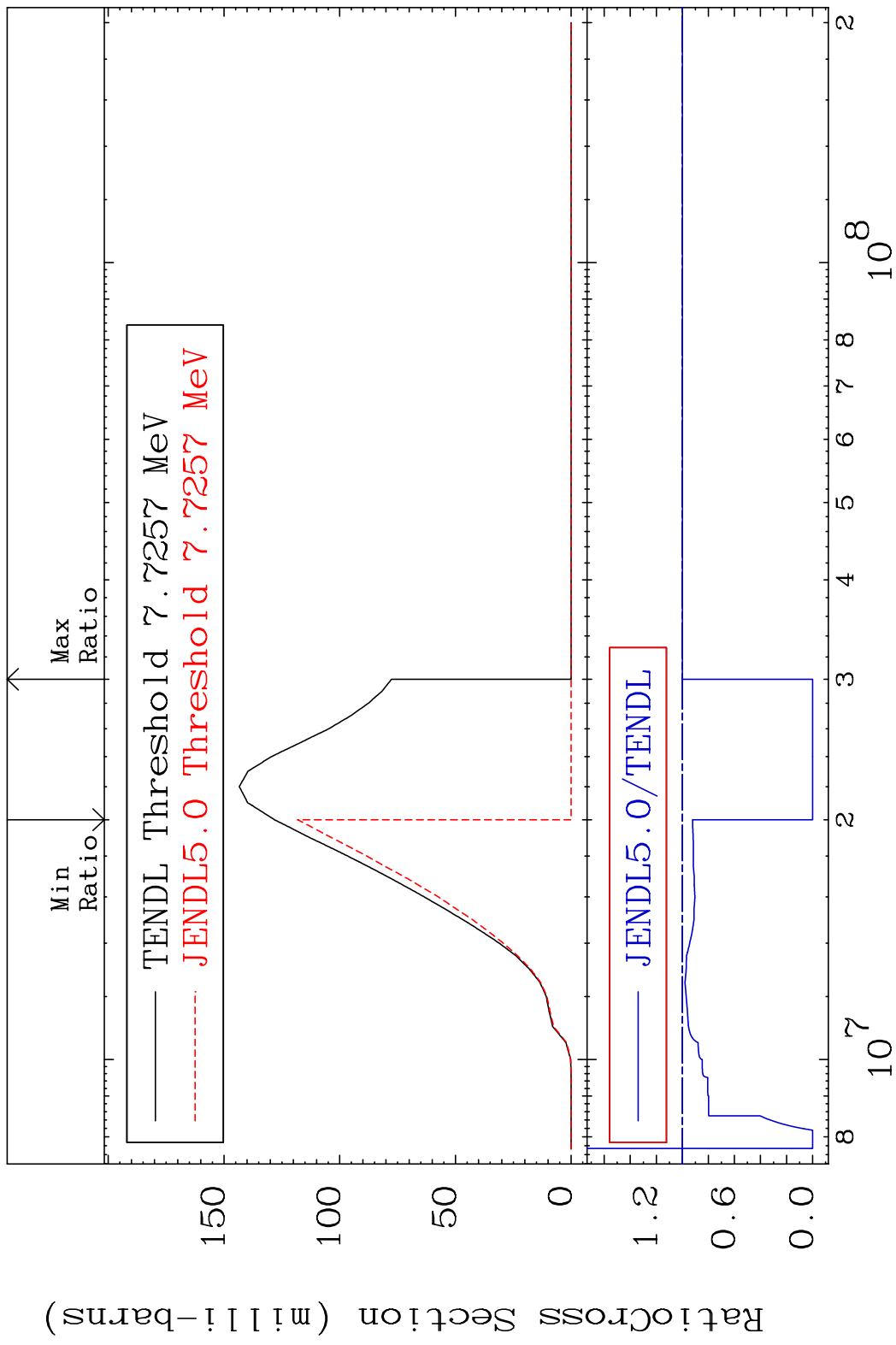
MAT 4228 (n, n') α : 40-Zr-89g 42-Mo-93
 Radionuclide Production Cross Section 1800 d to 4743. %



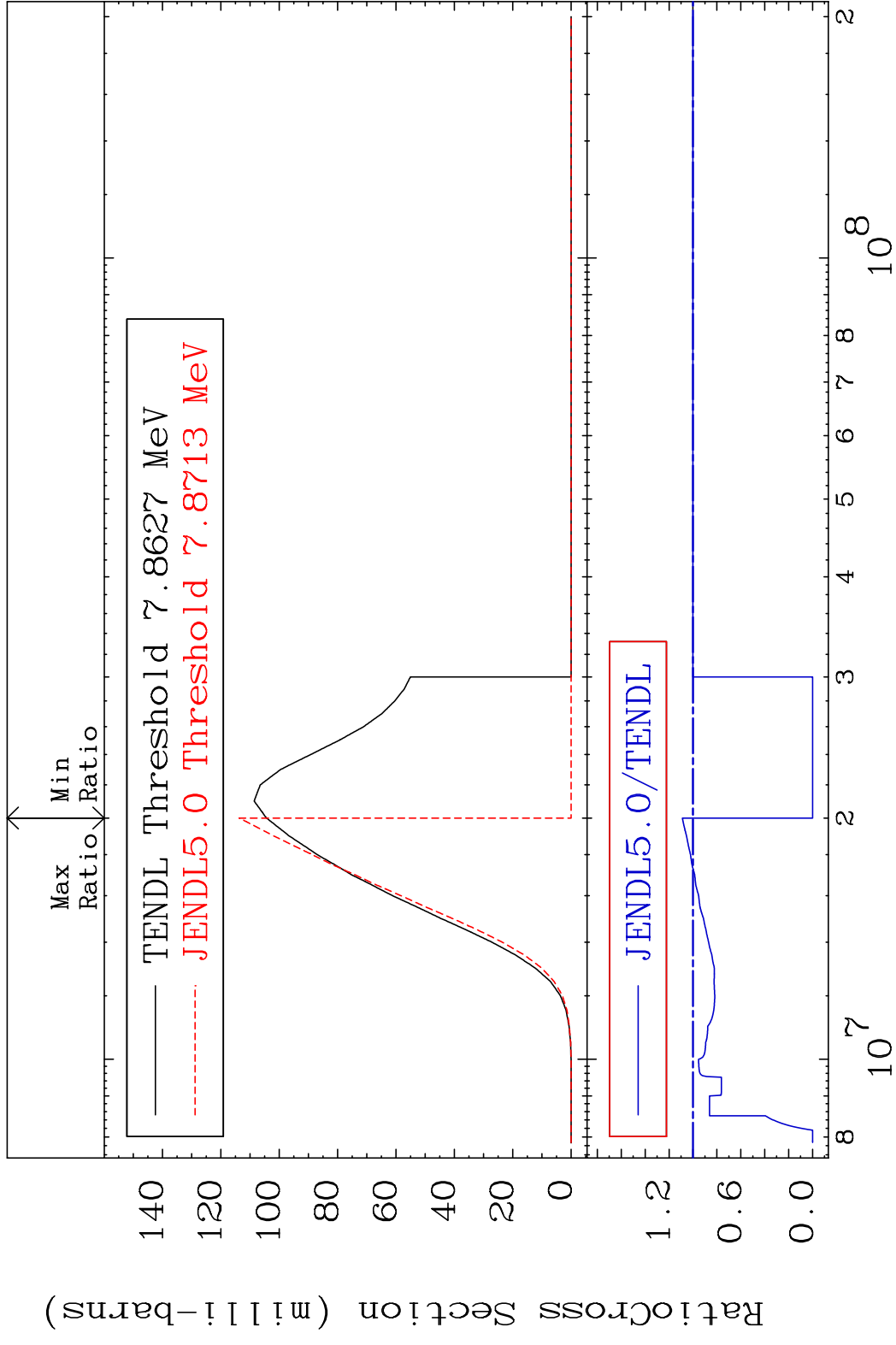
70 Incident Energy (eV) 42-Mo-93

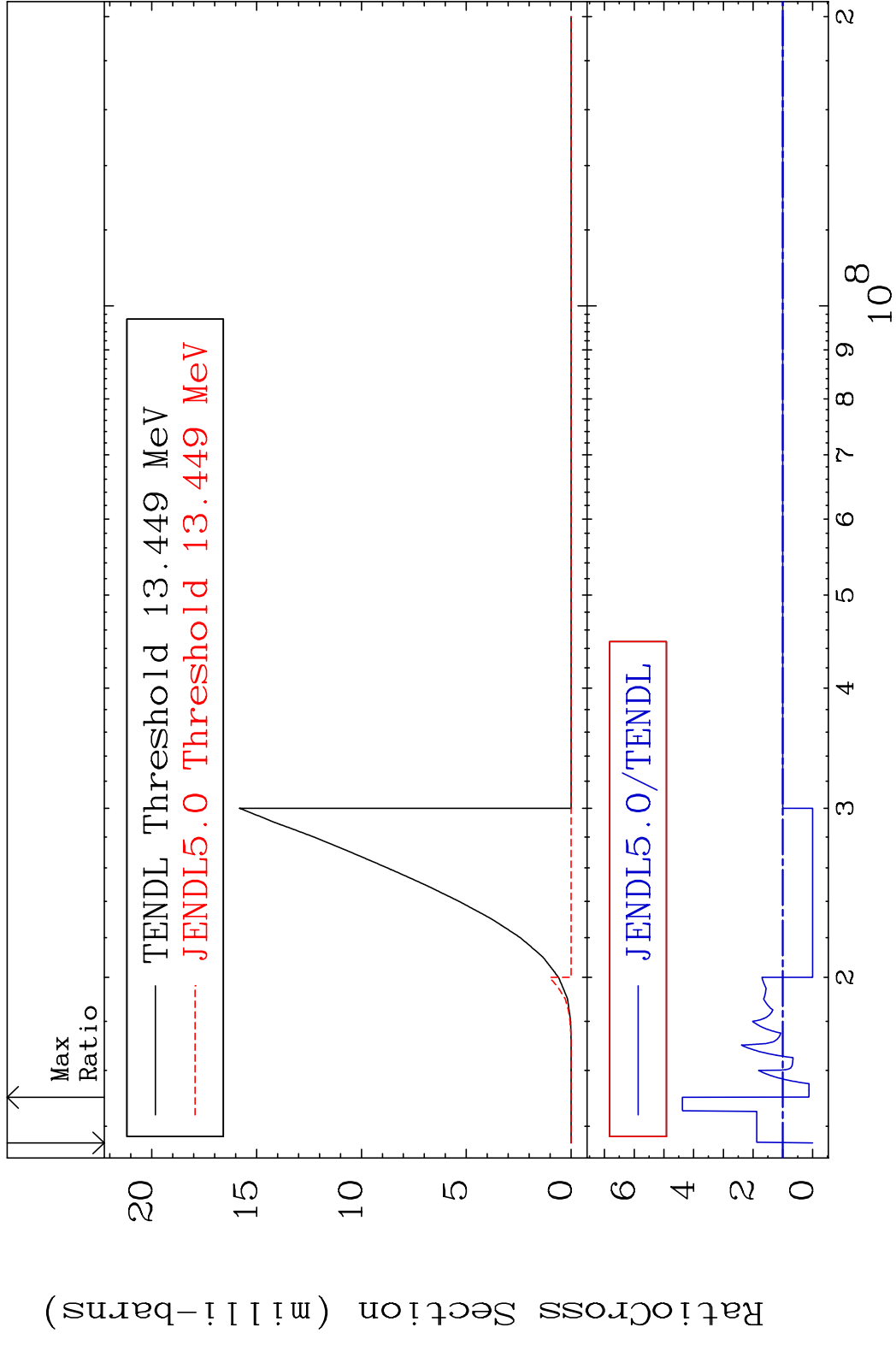


MAT 4228 (n, n') p:41-Nb-92g 42-Mo-93
 Radionuclide Production Cross Section Ratio 0.000 %

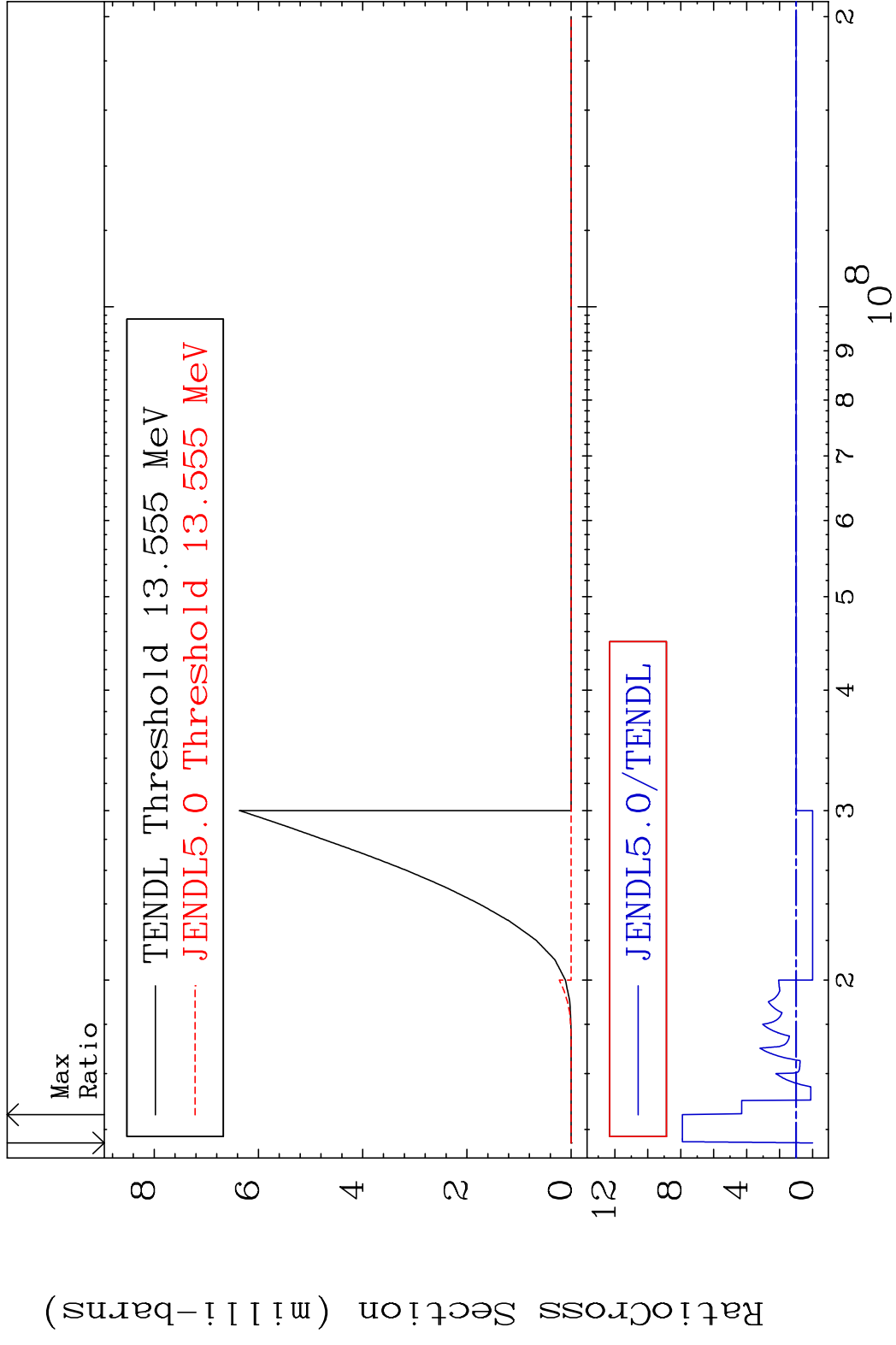


MAT 4228 (n, n') p:41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 180.0 mb 8.890 %

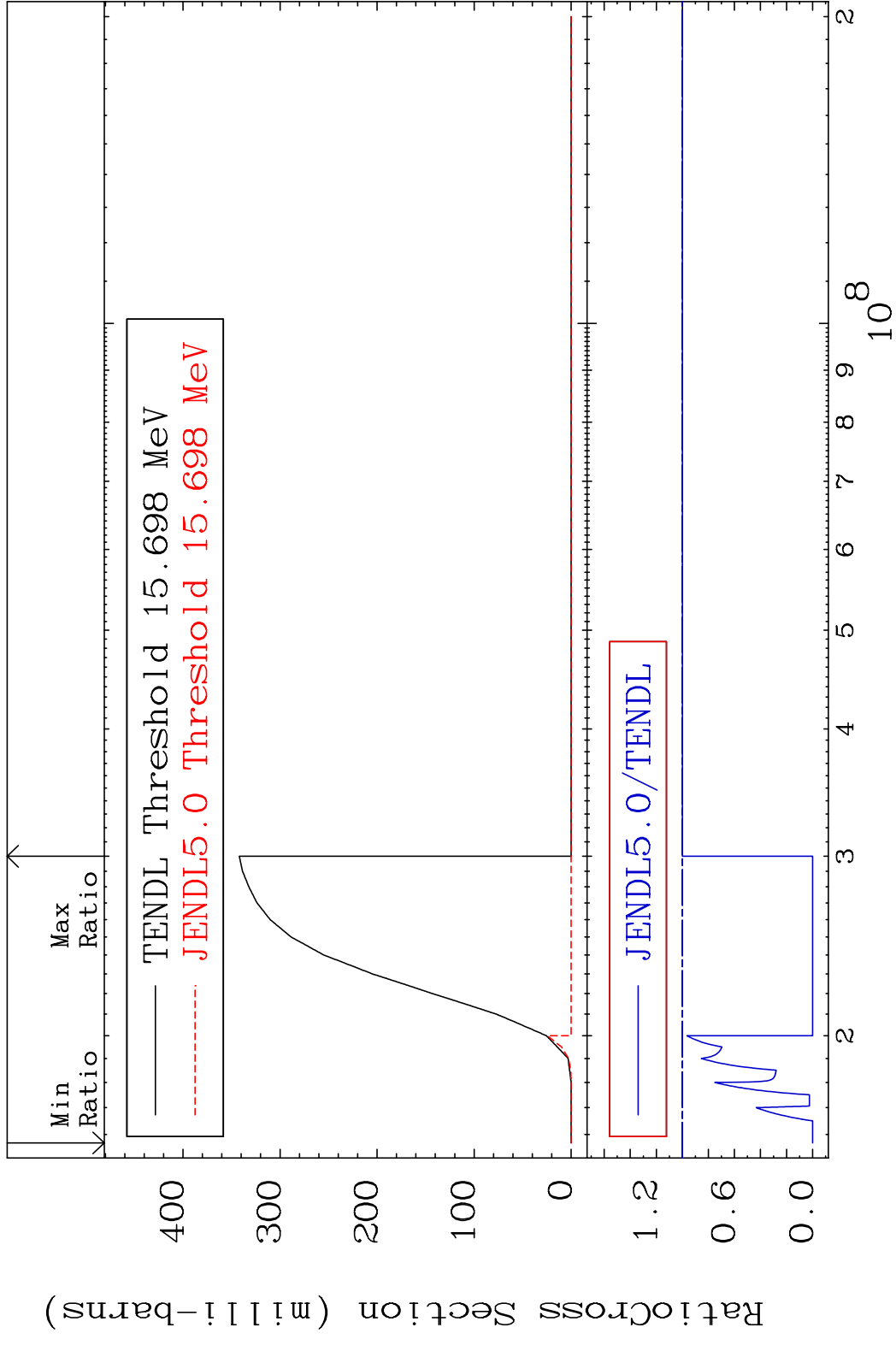




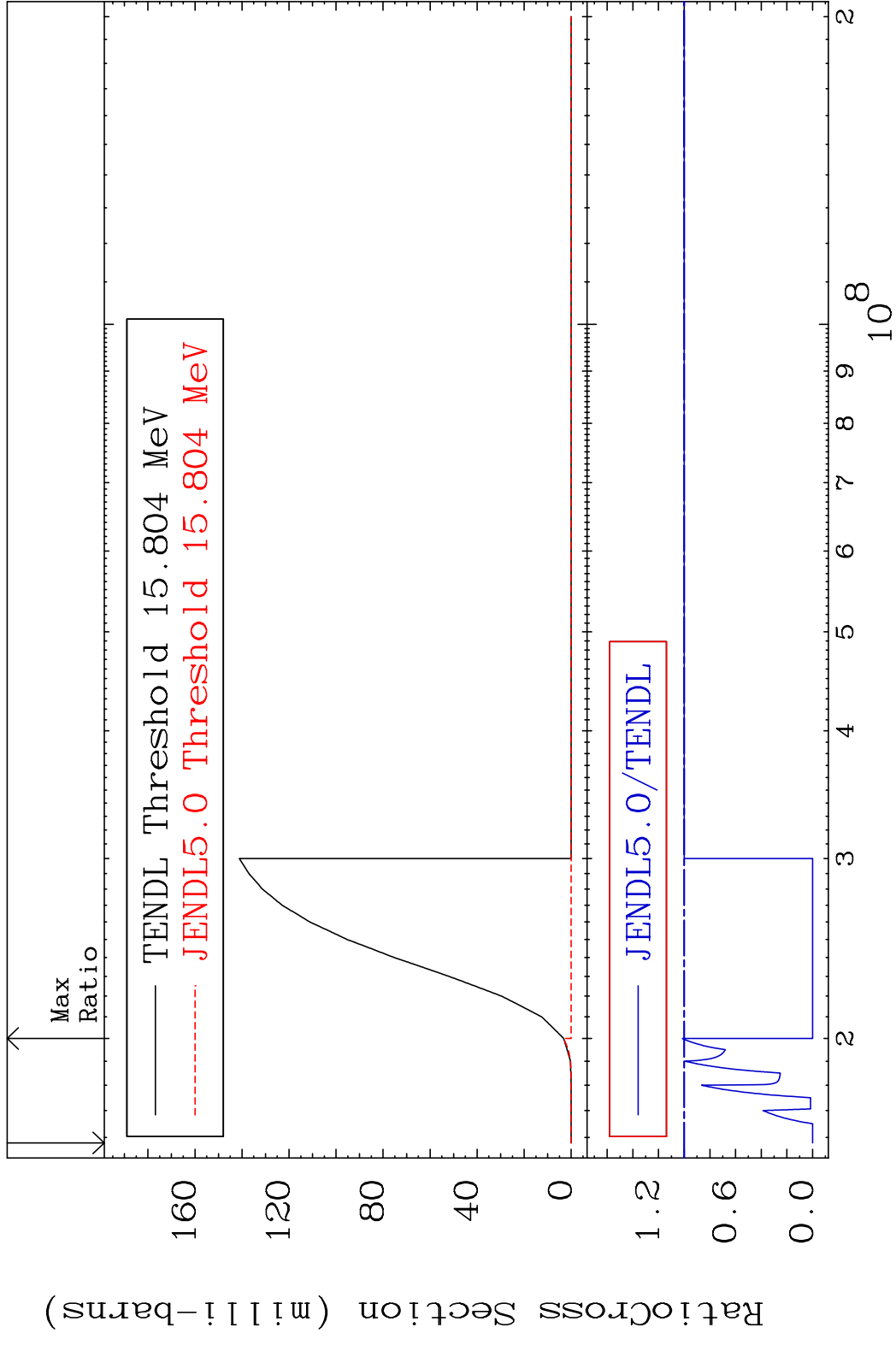
MAT 4228 (n, n') d:41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 690.0 %

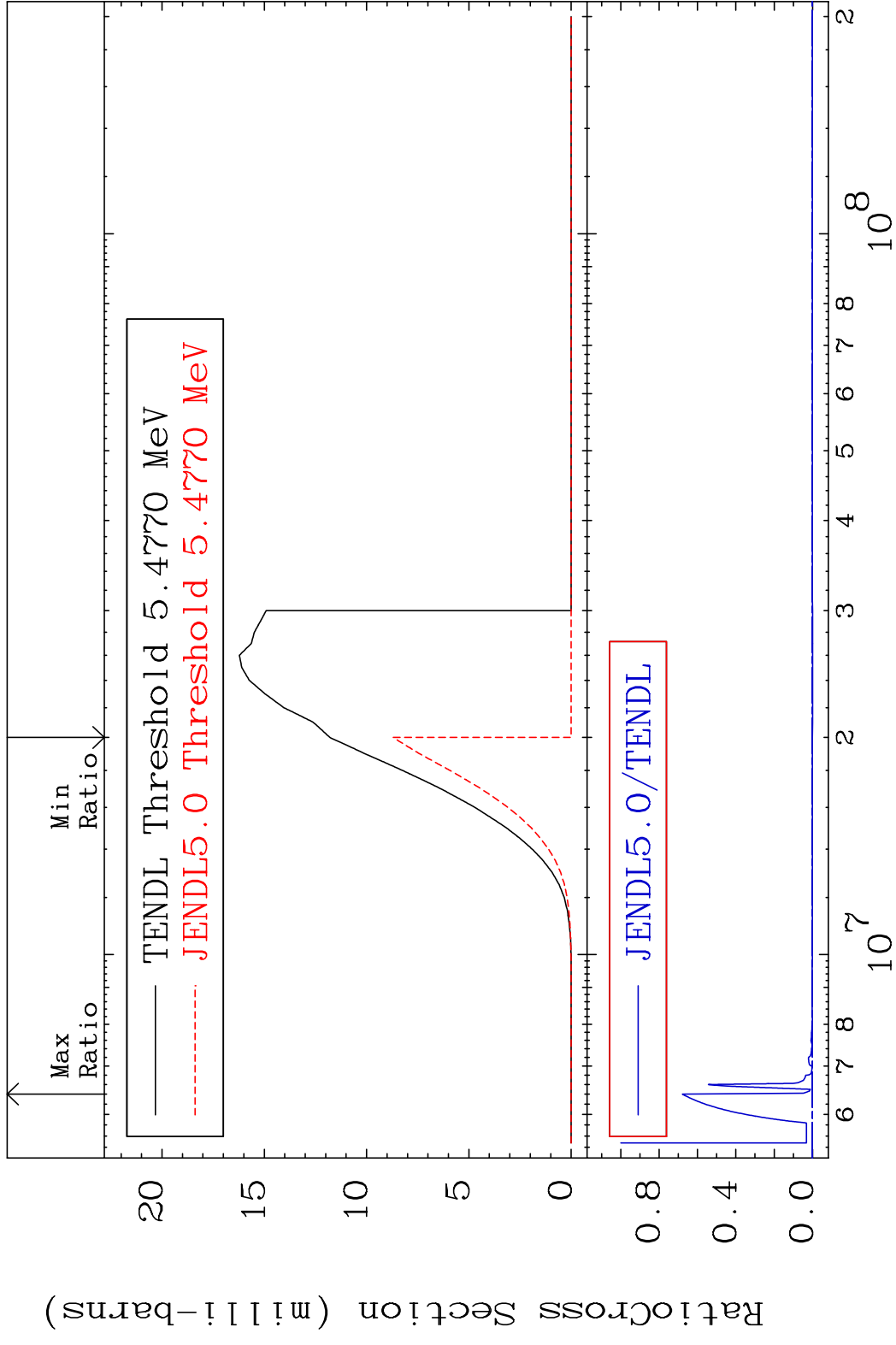


MAT 4228 (n,2n) p:41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section 180.0 mb 0.000 %

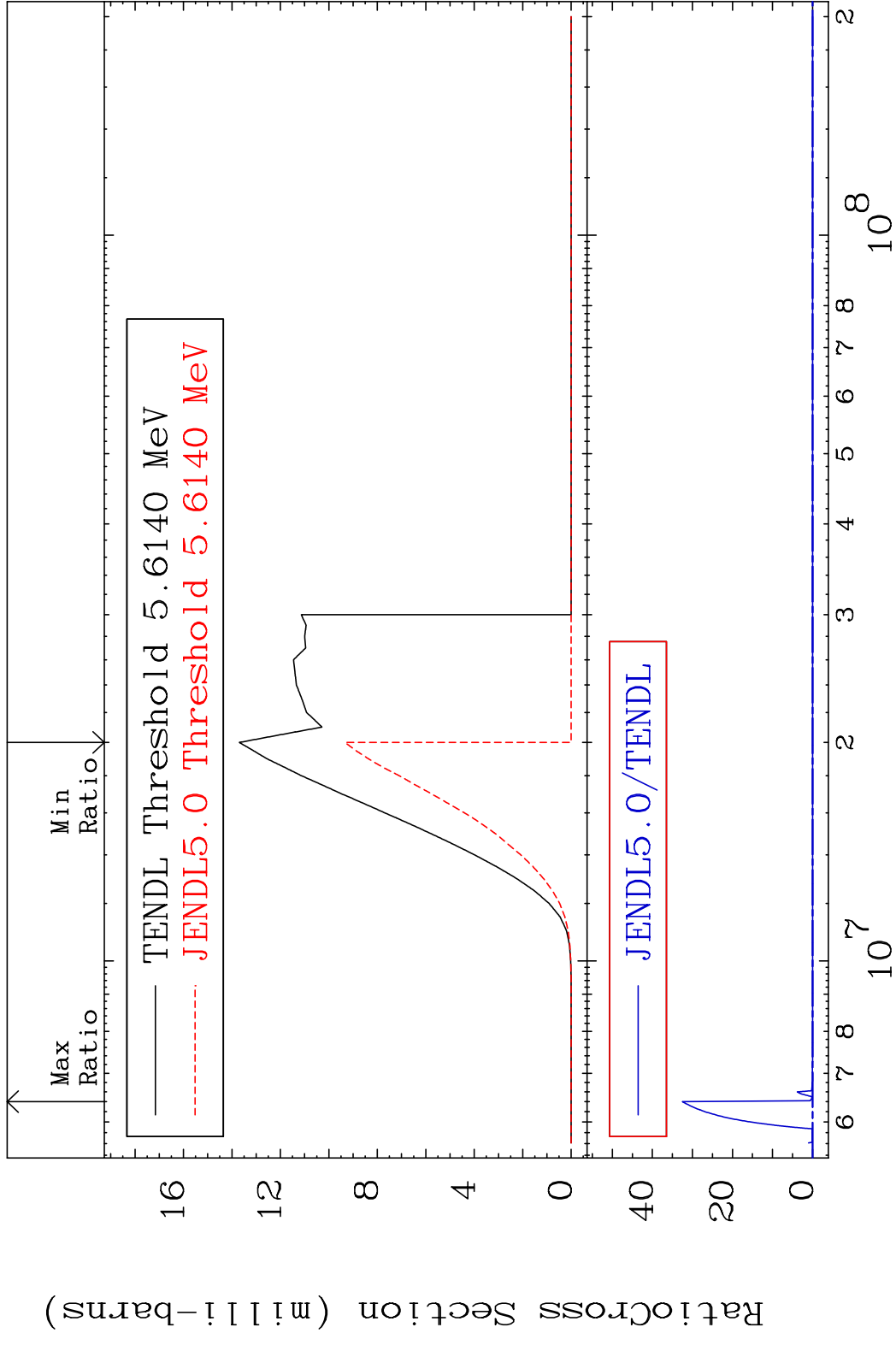


MAT 4228 (n,2n) p:41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section Ratio 1.439 %



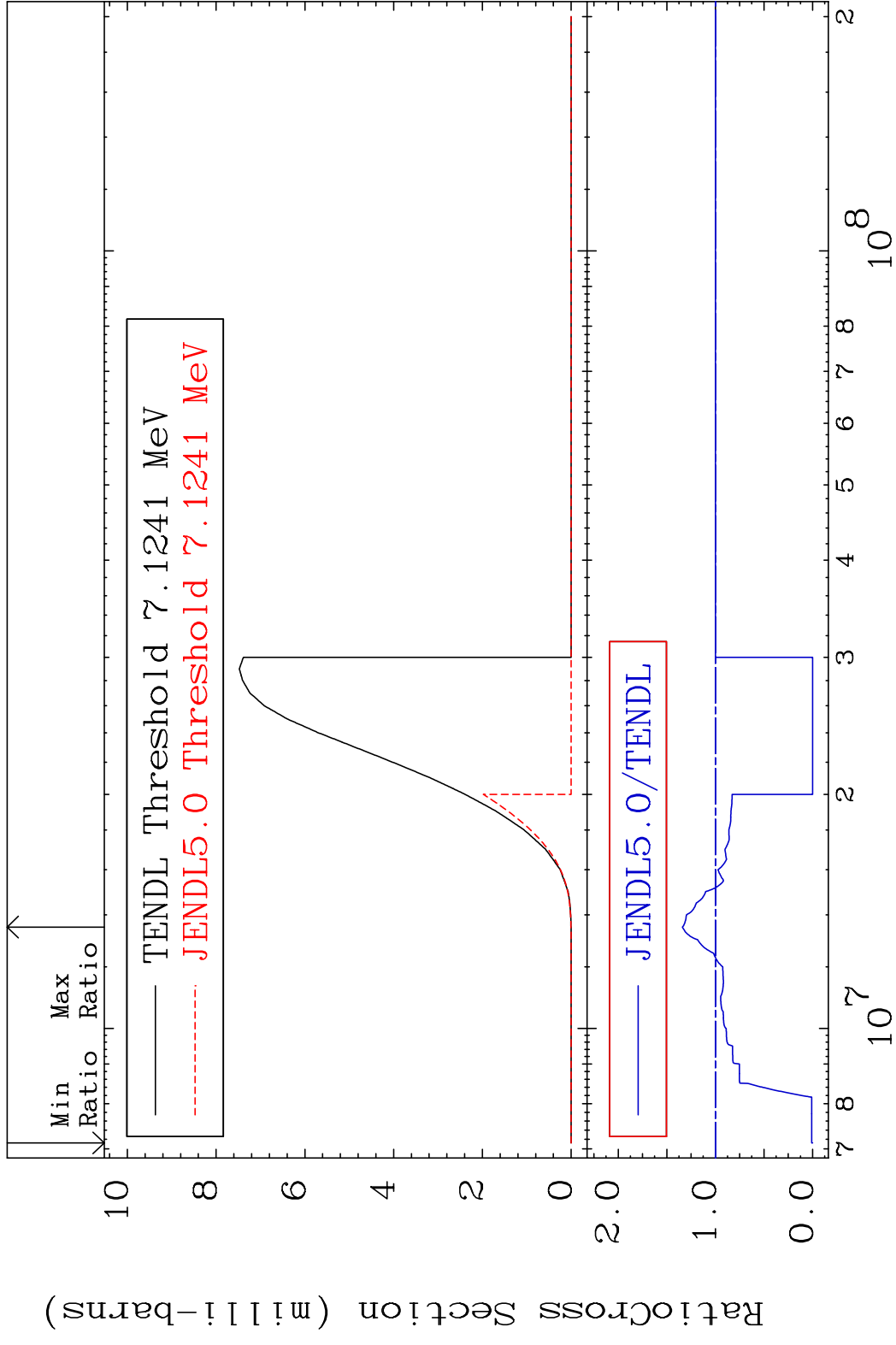


MAT 4228 (n,d):41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 1000 to 9999. %



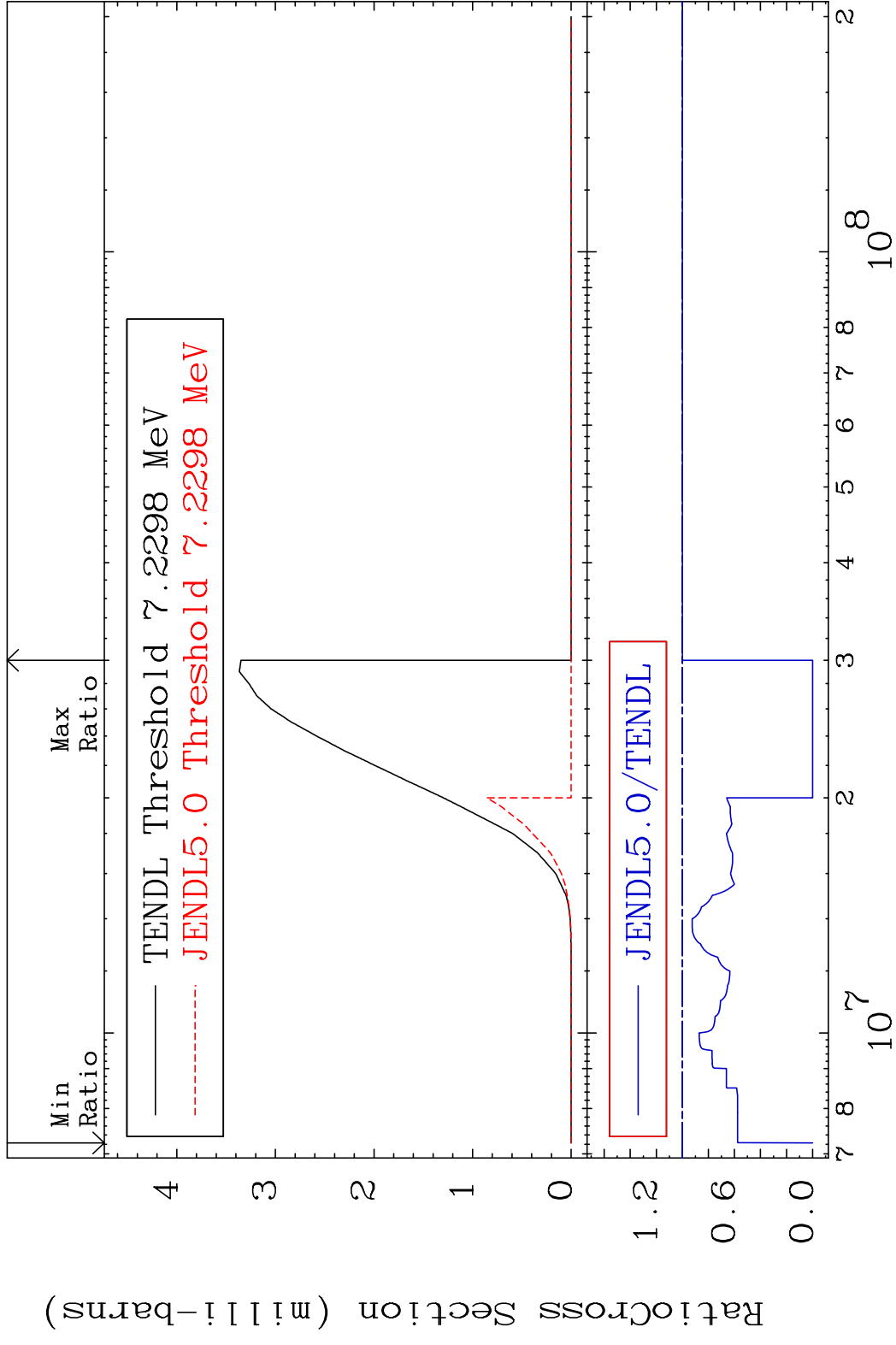
79 Incident Energy (eV) 42-Mo-93

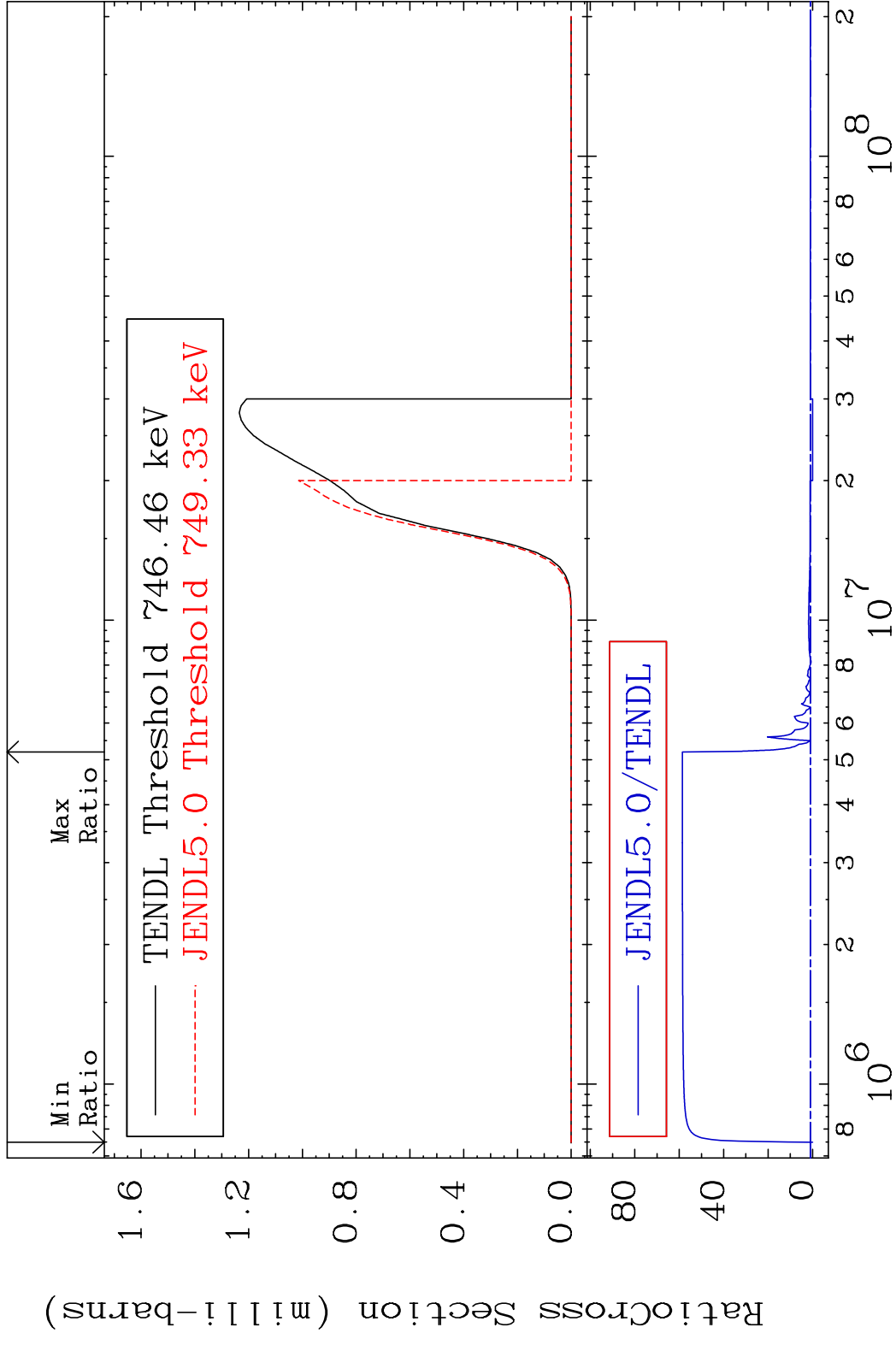
MAT 4228 (n, t): 41-Nb-91g 42-Mo-93
 Radionuclide Production Cross Section 180.00 mb 34.00 %

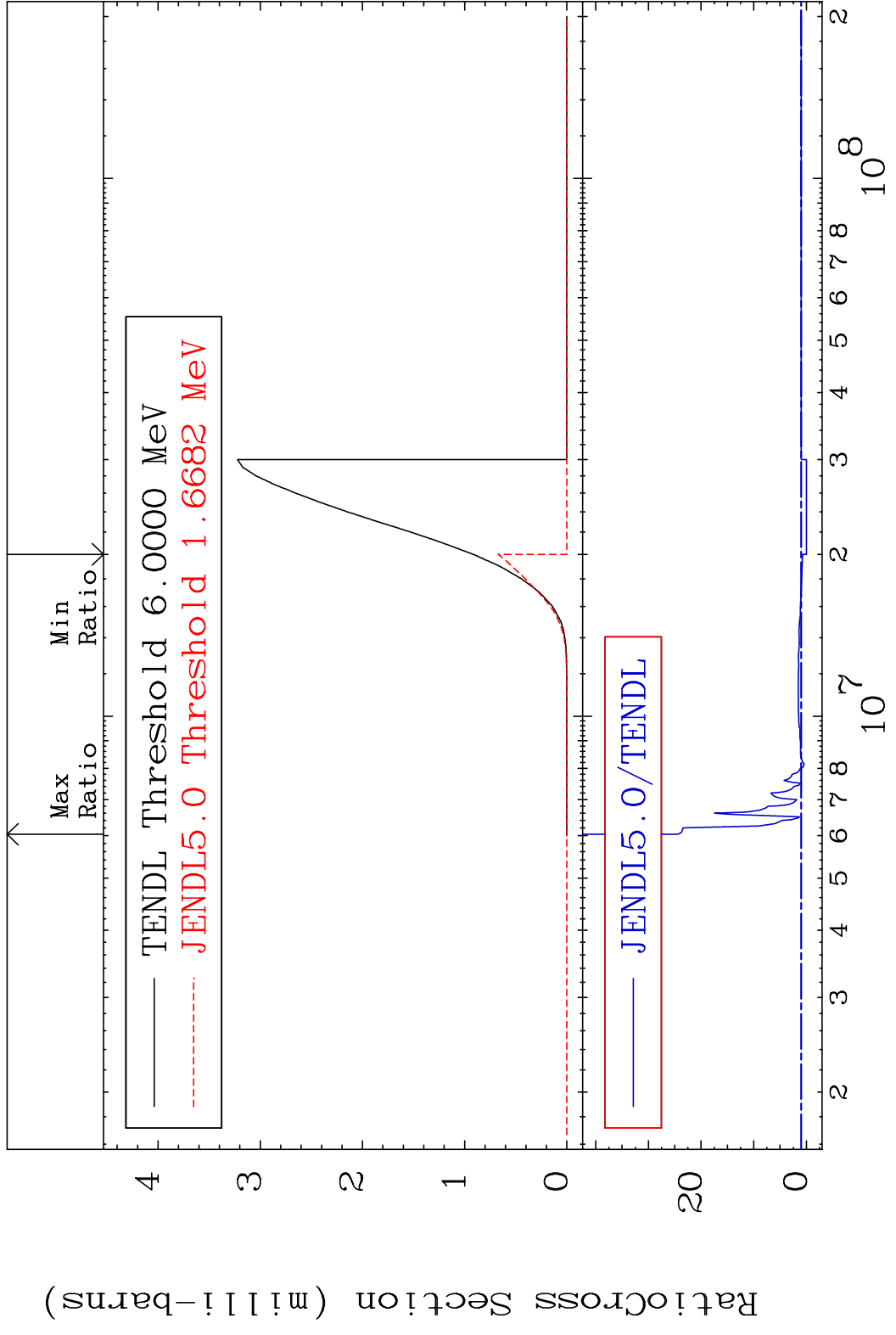


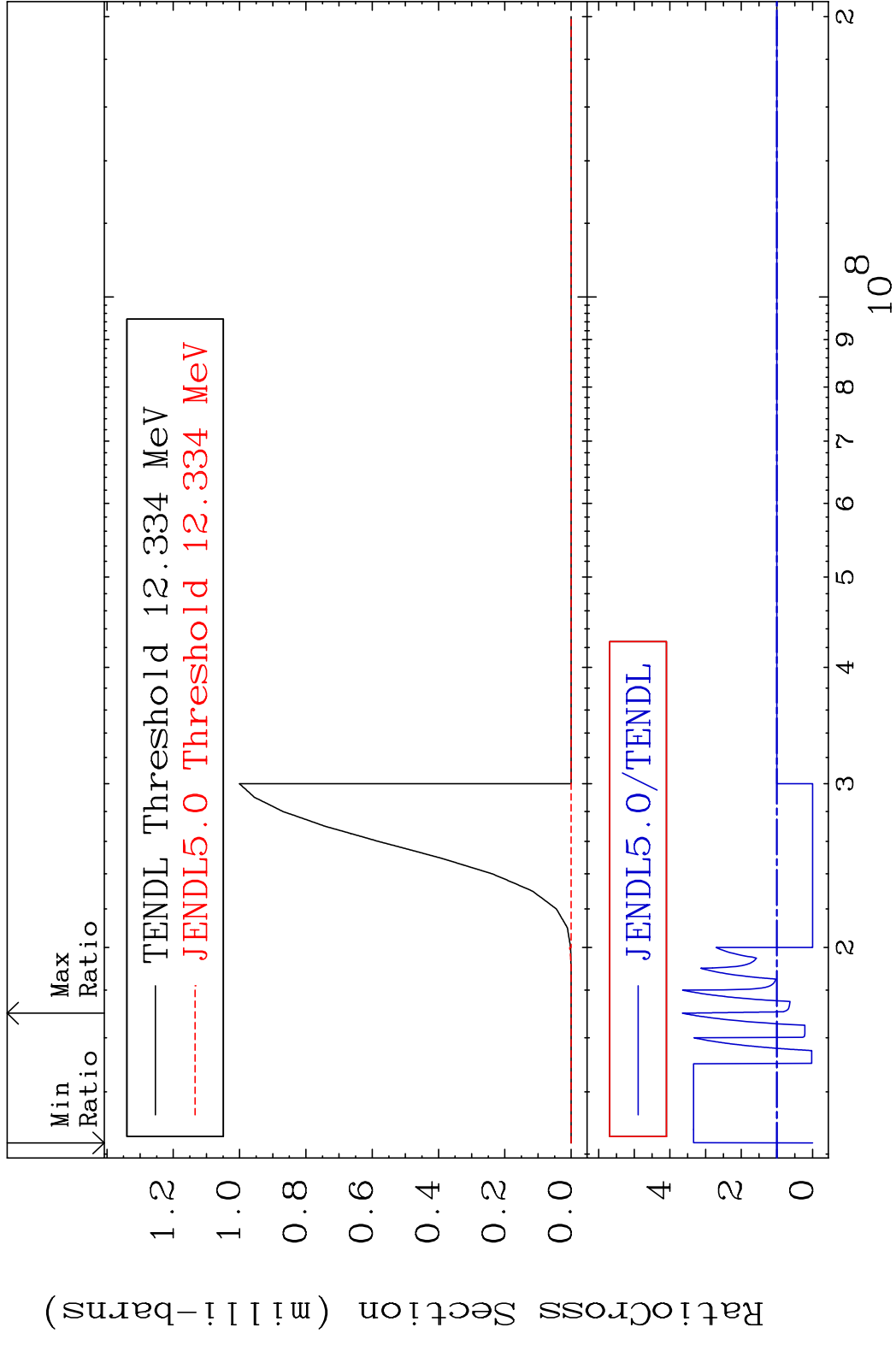
80 42-Mo-93

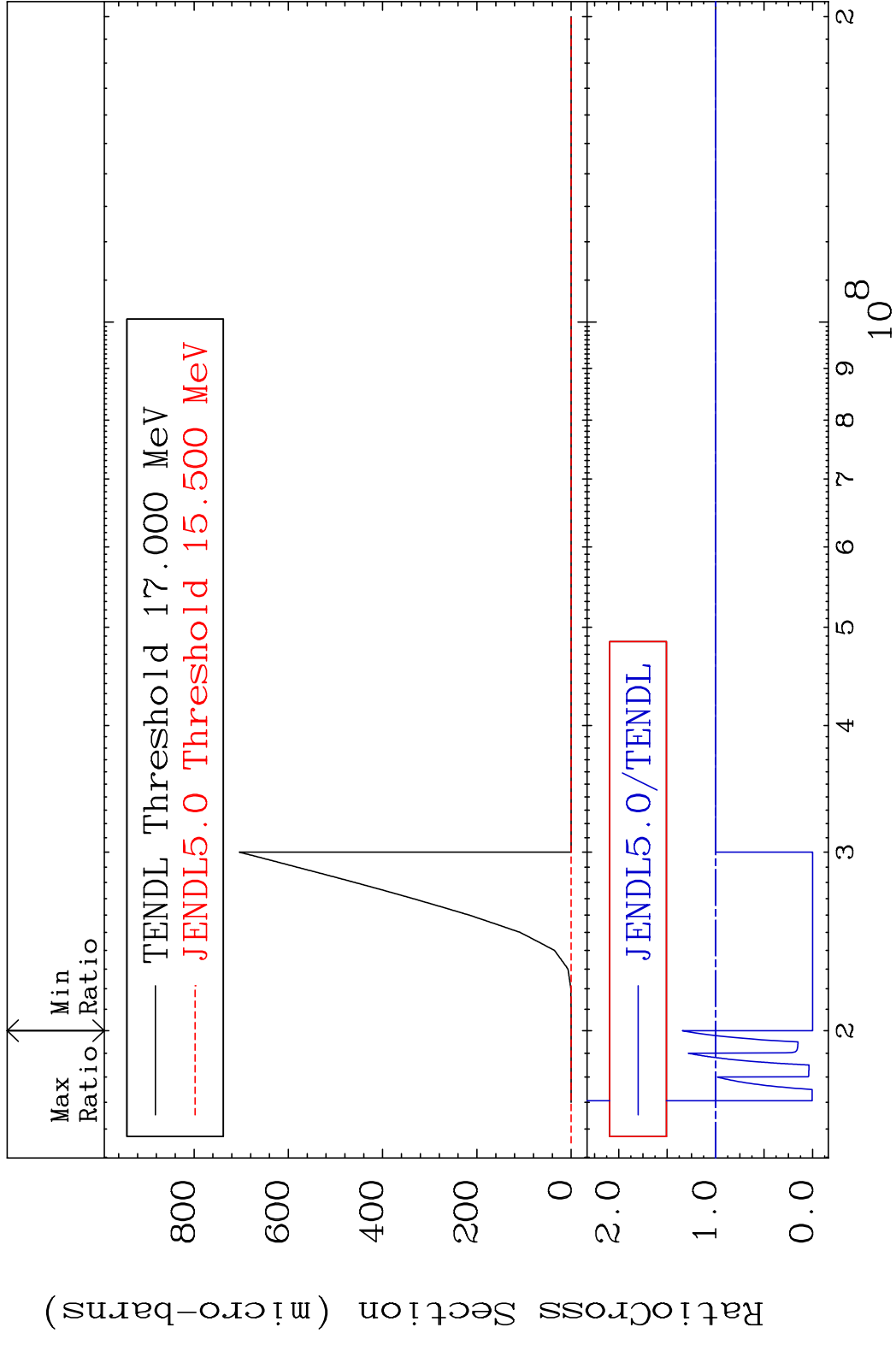
MAT 4228 (n,t):41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 0.000 %

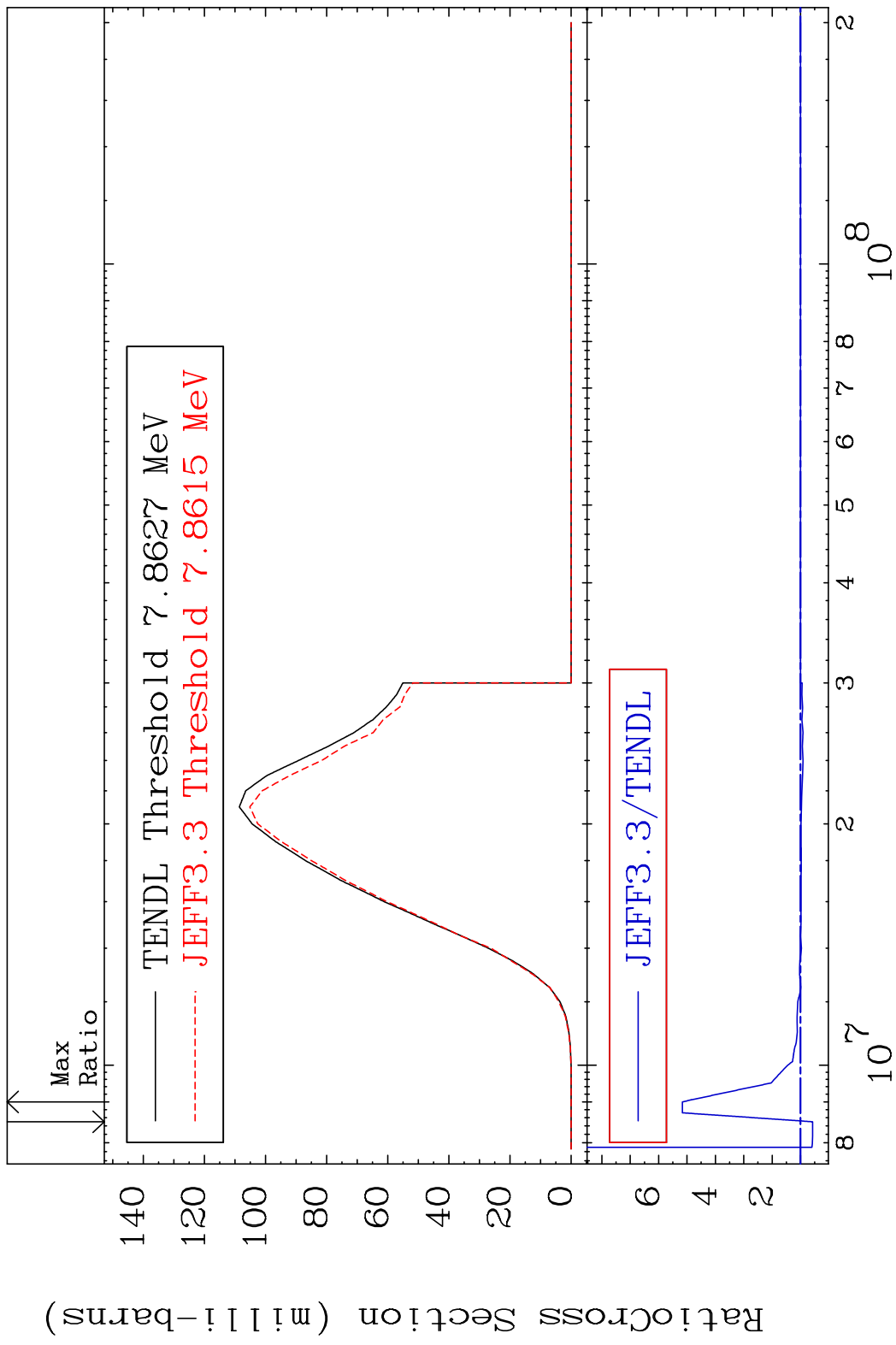


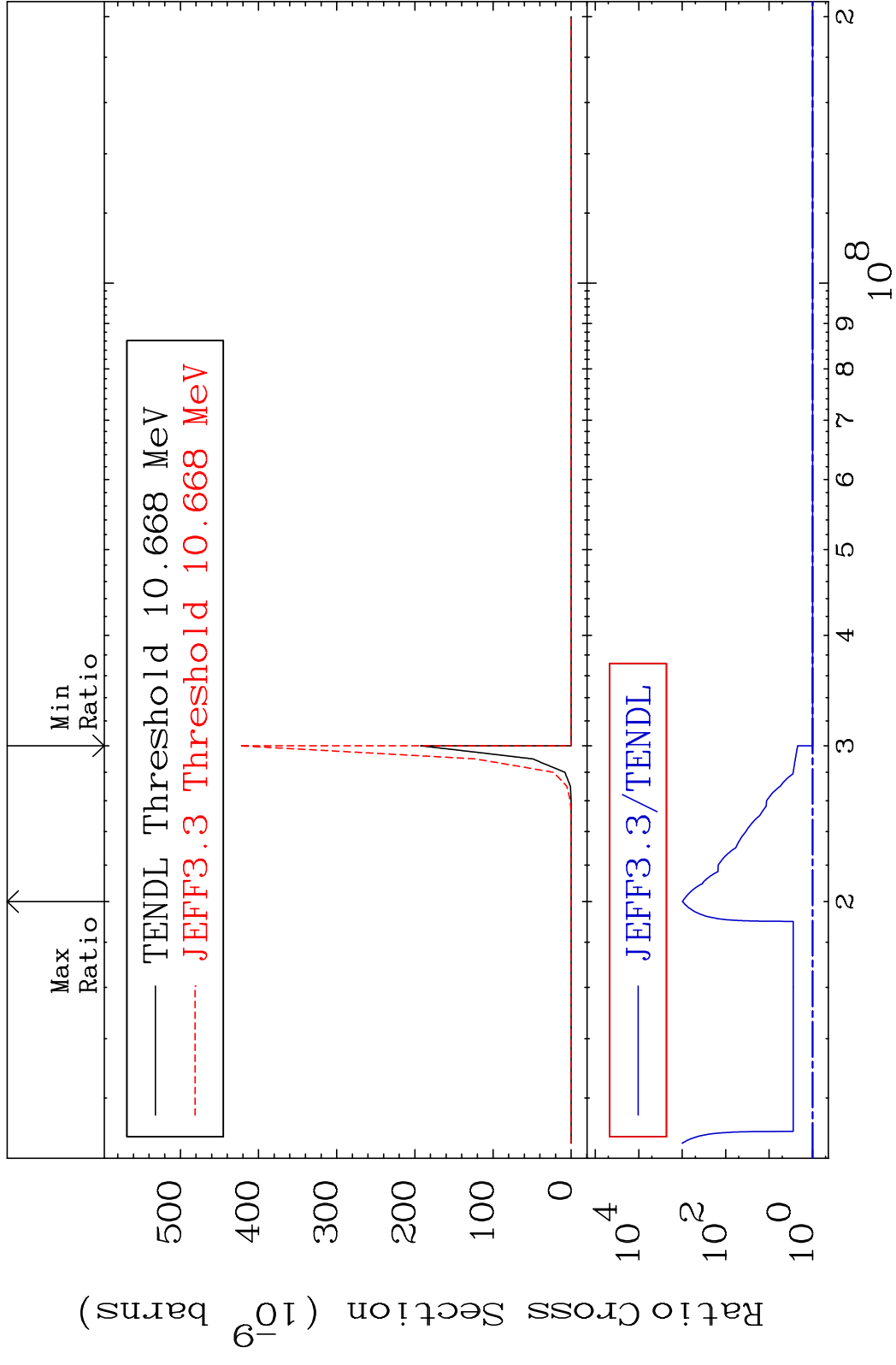


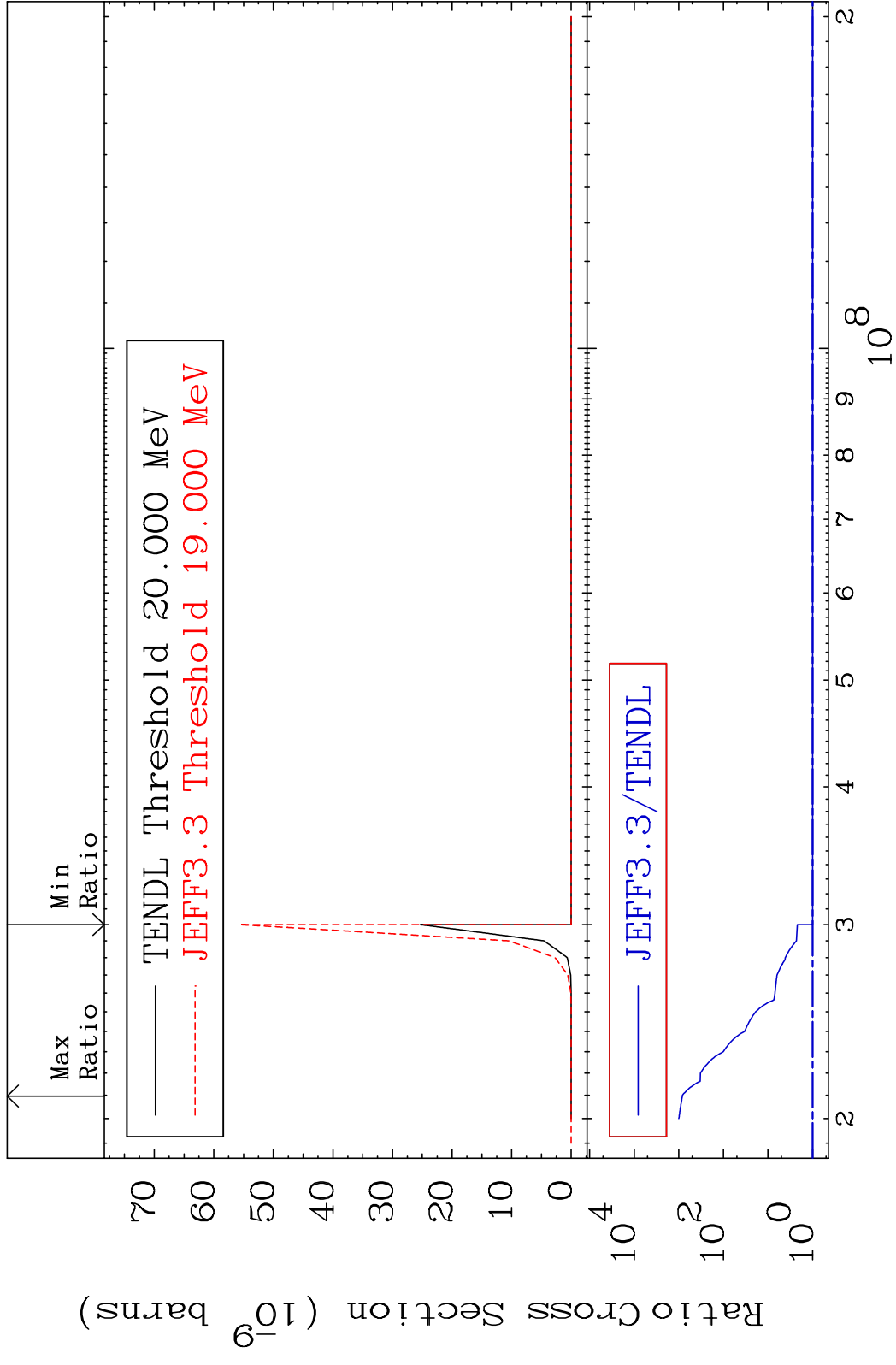


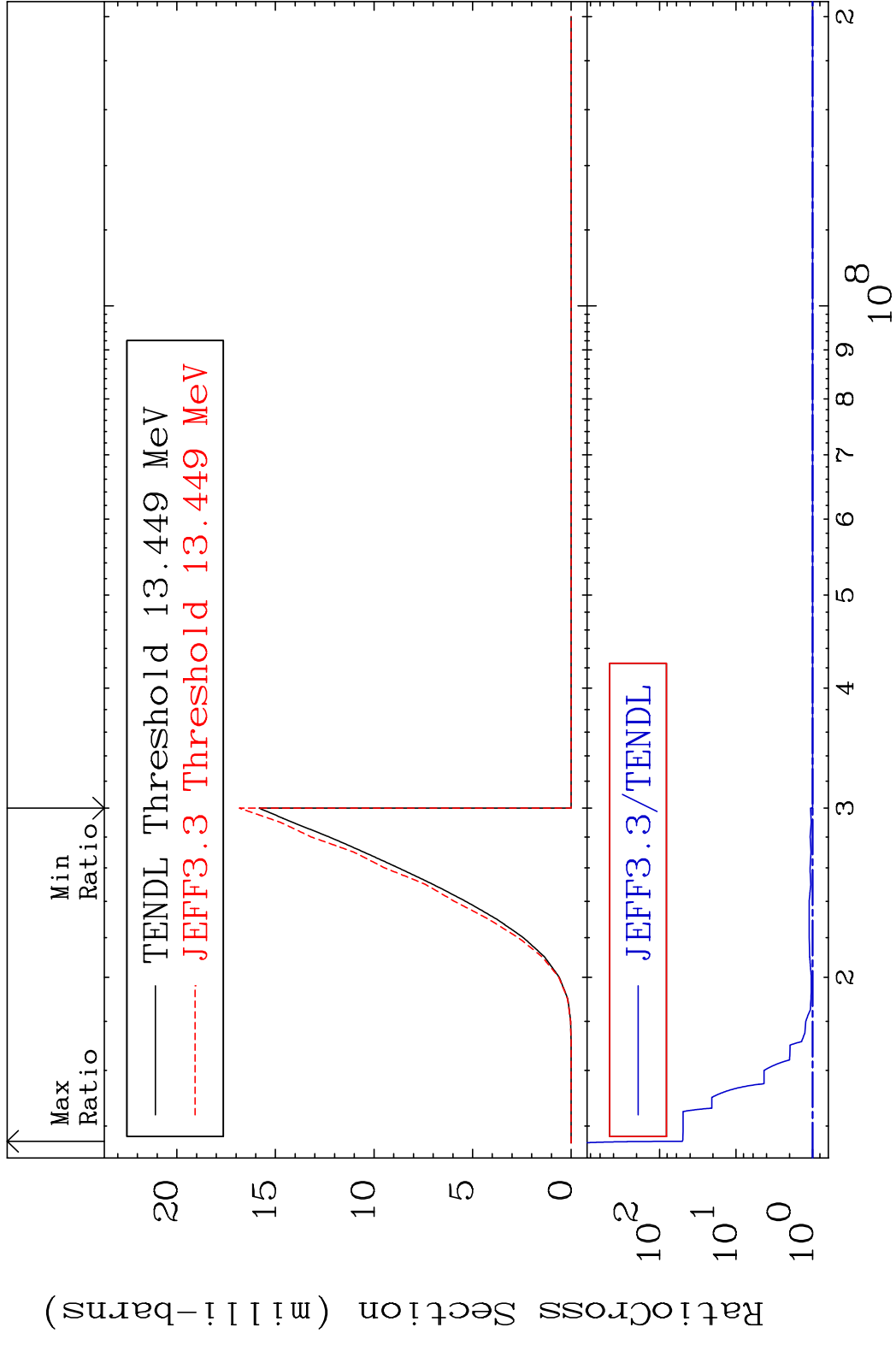


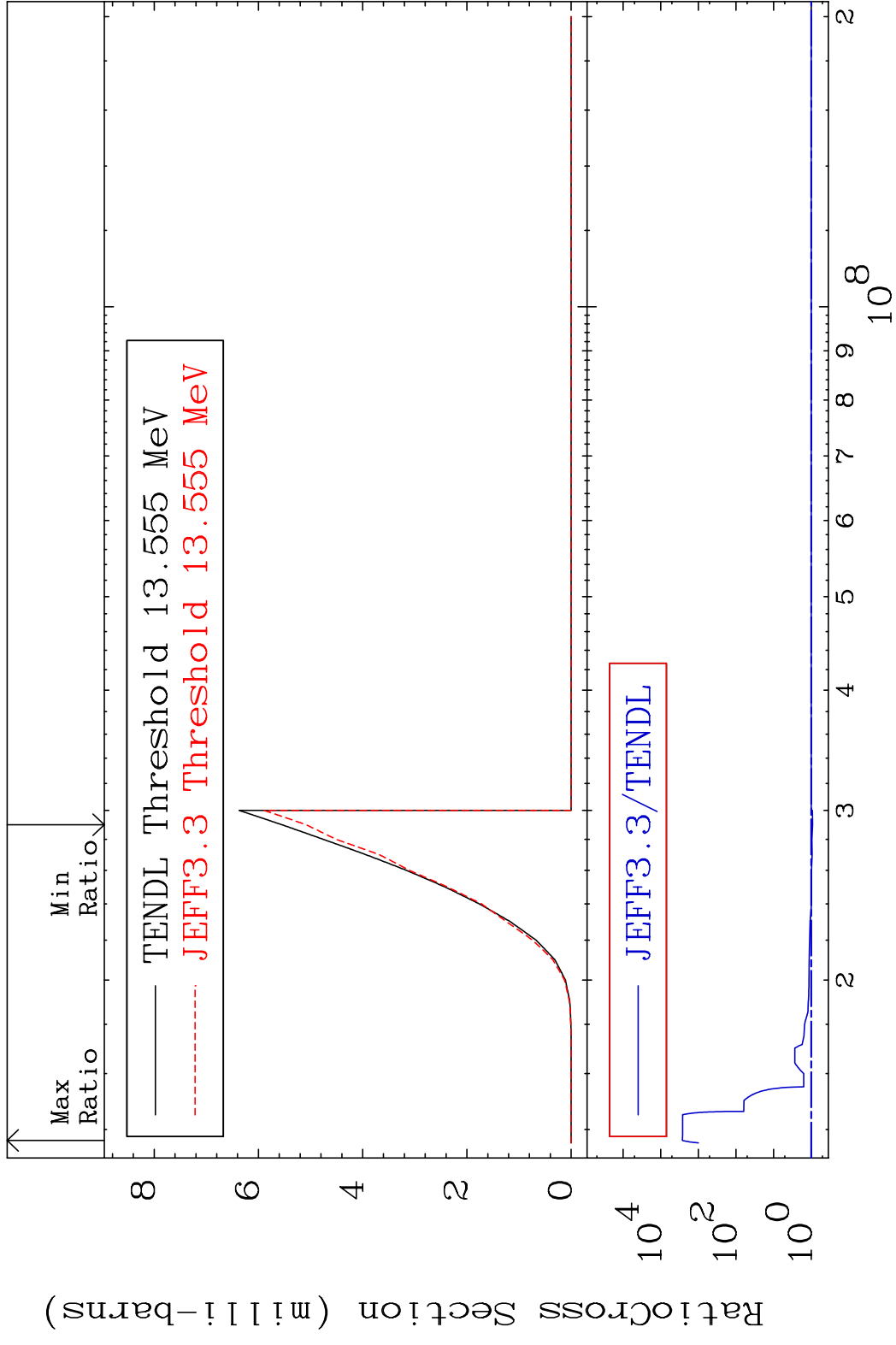


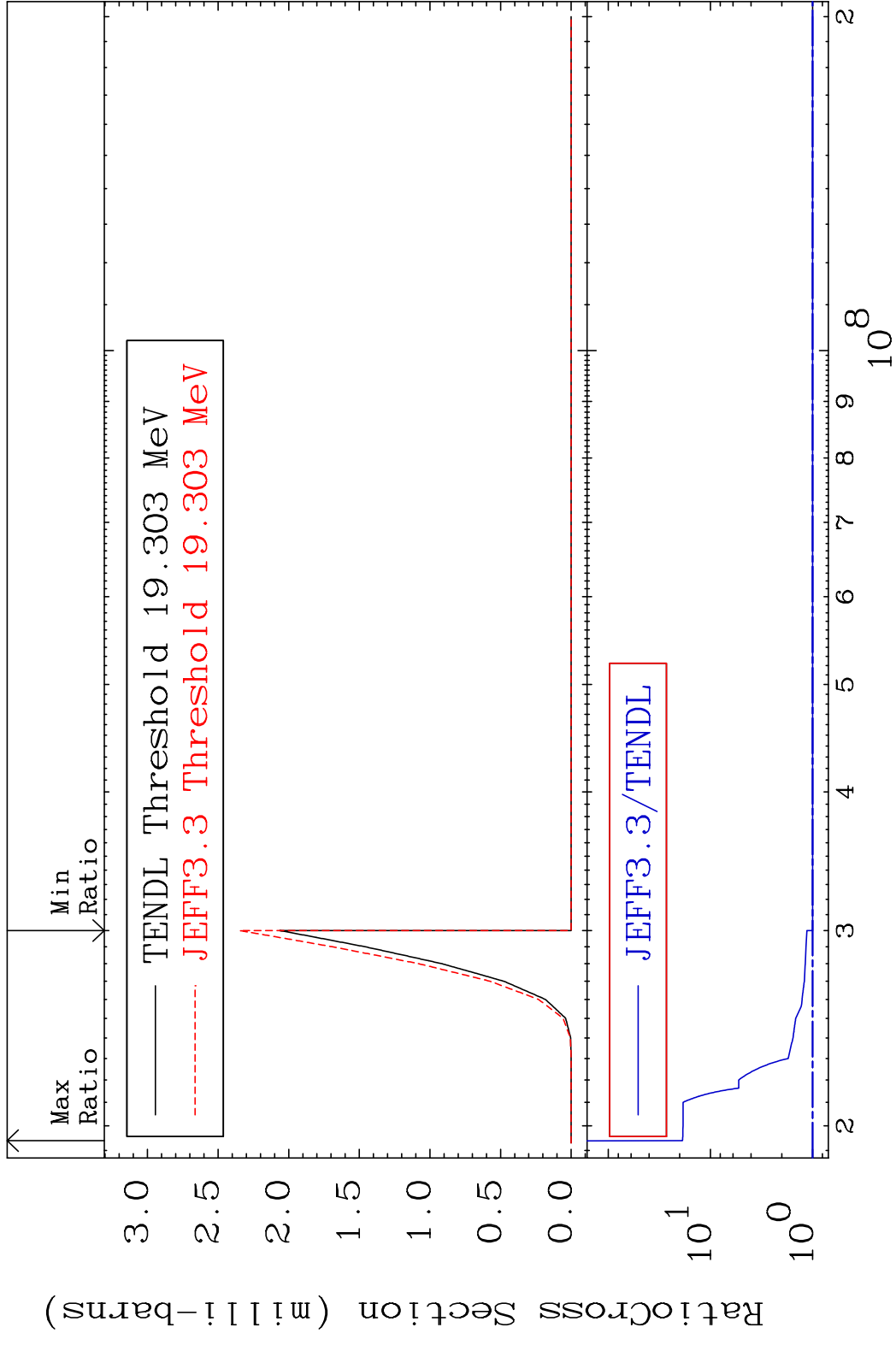




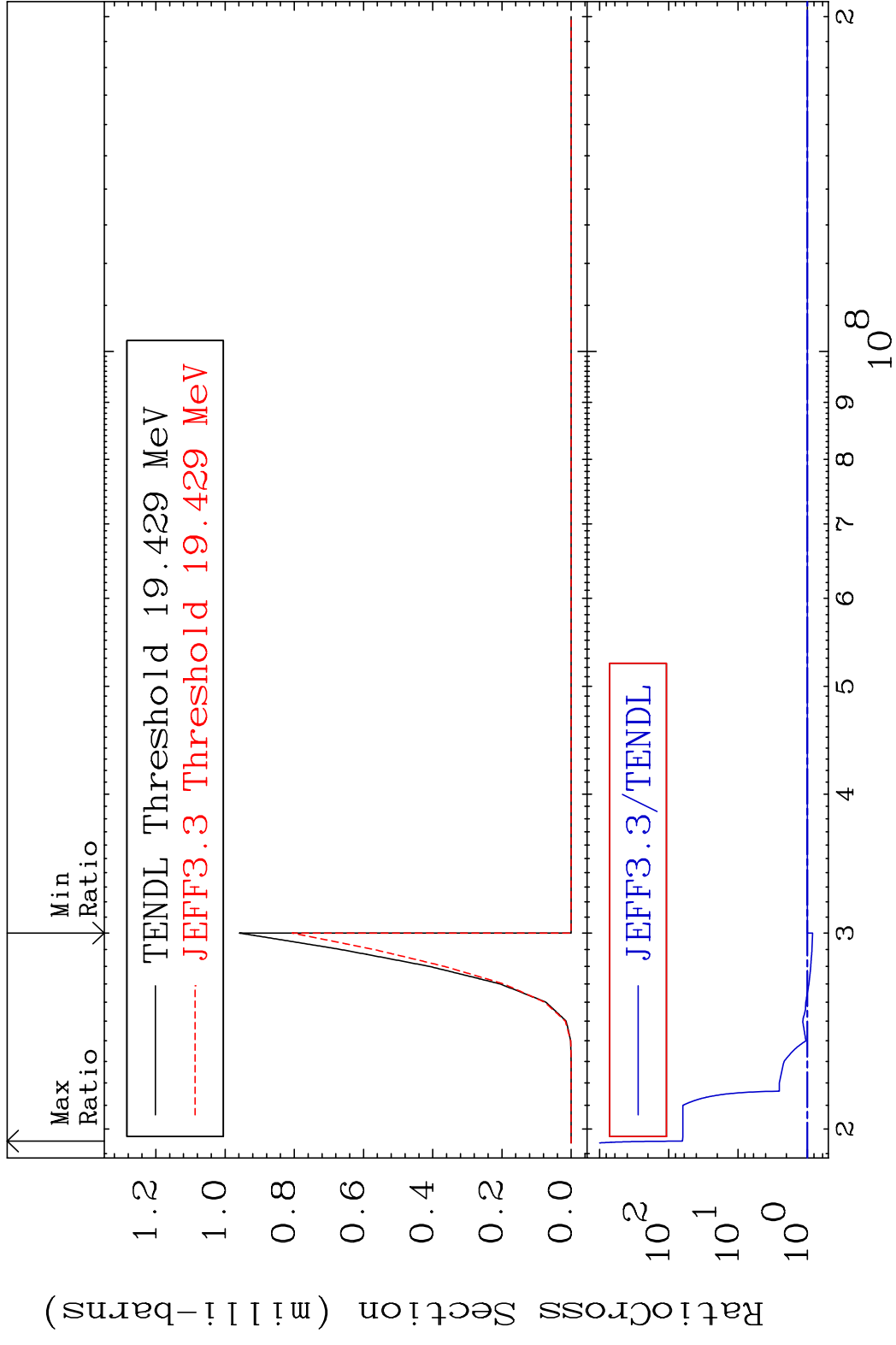


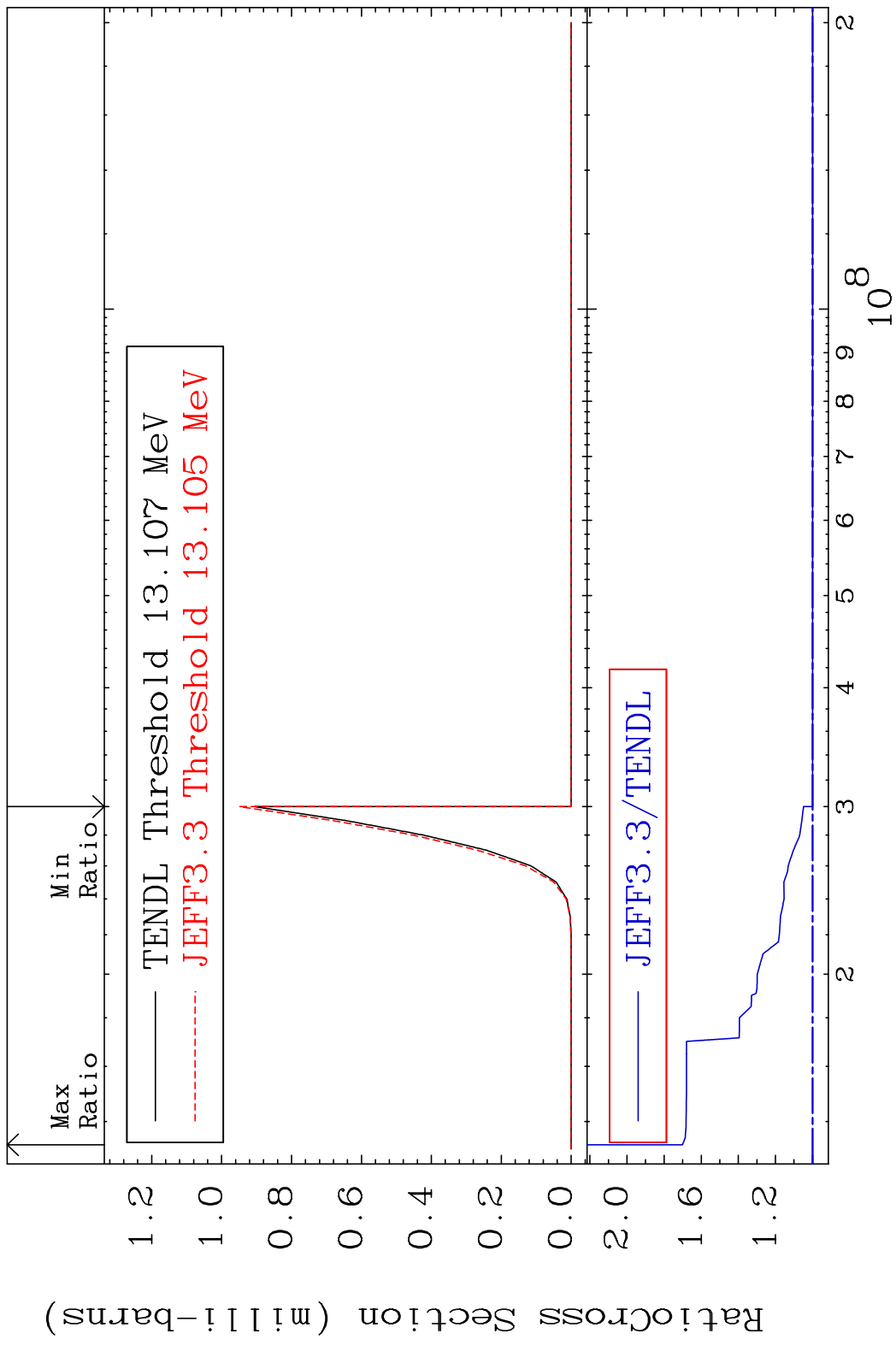


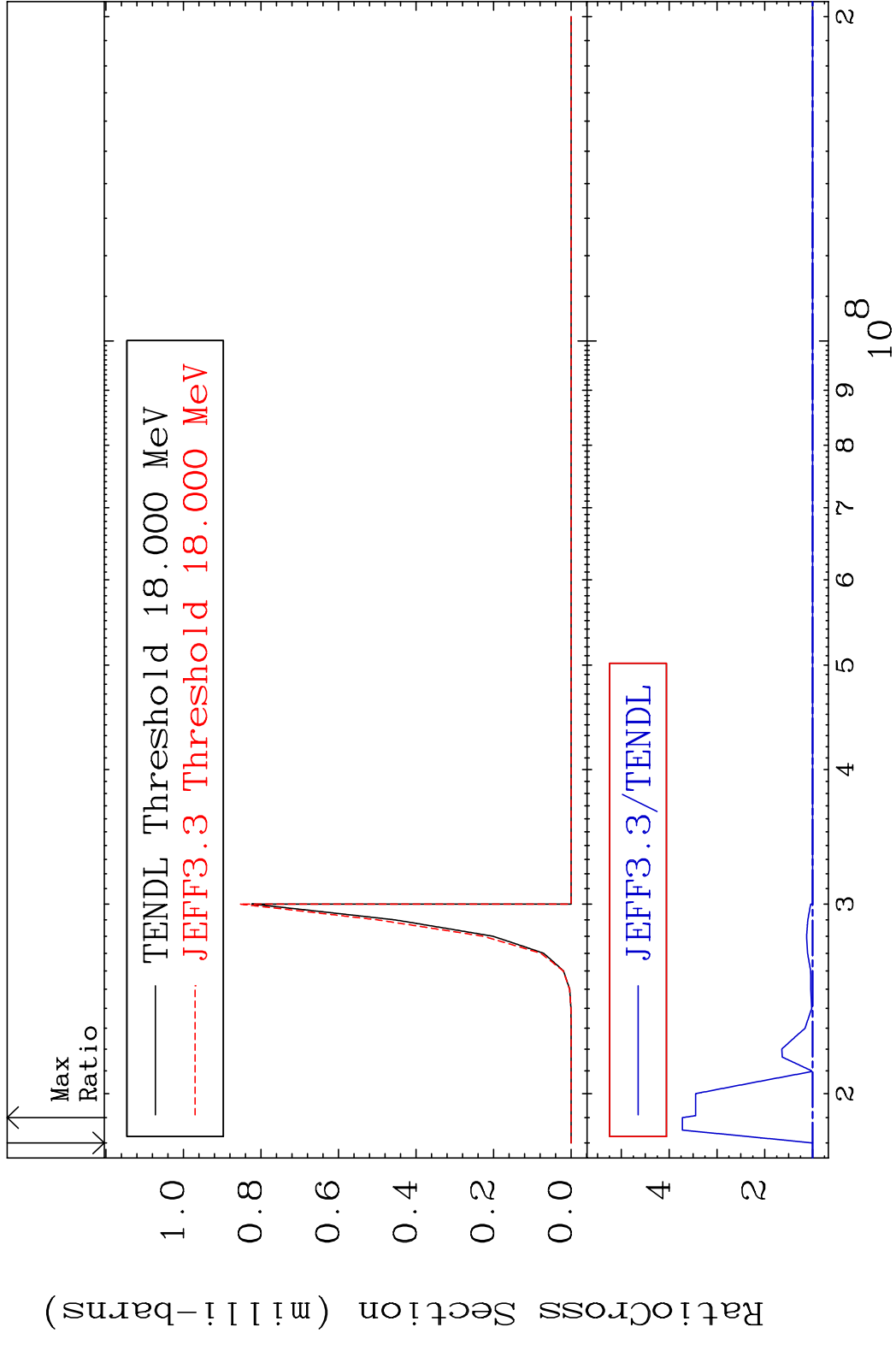


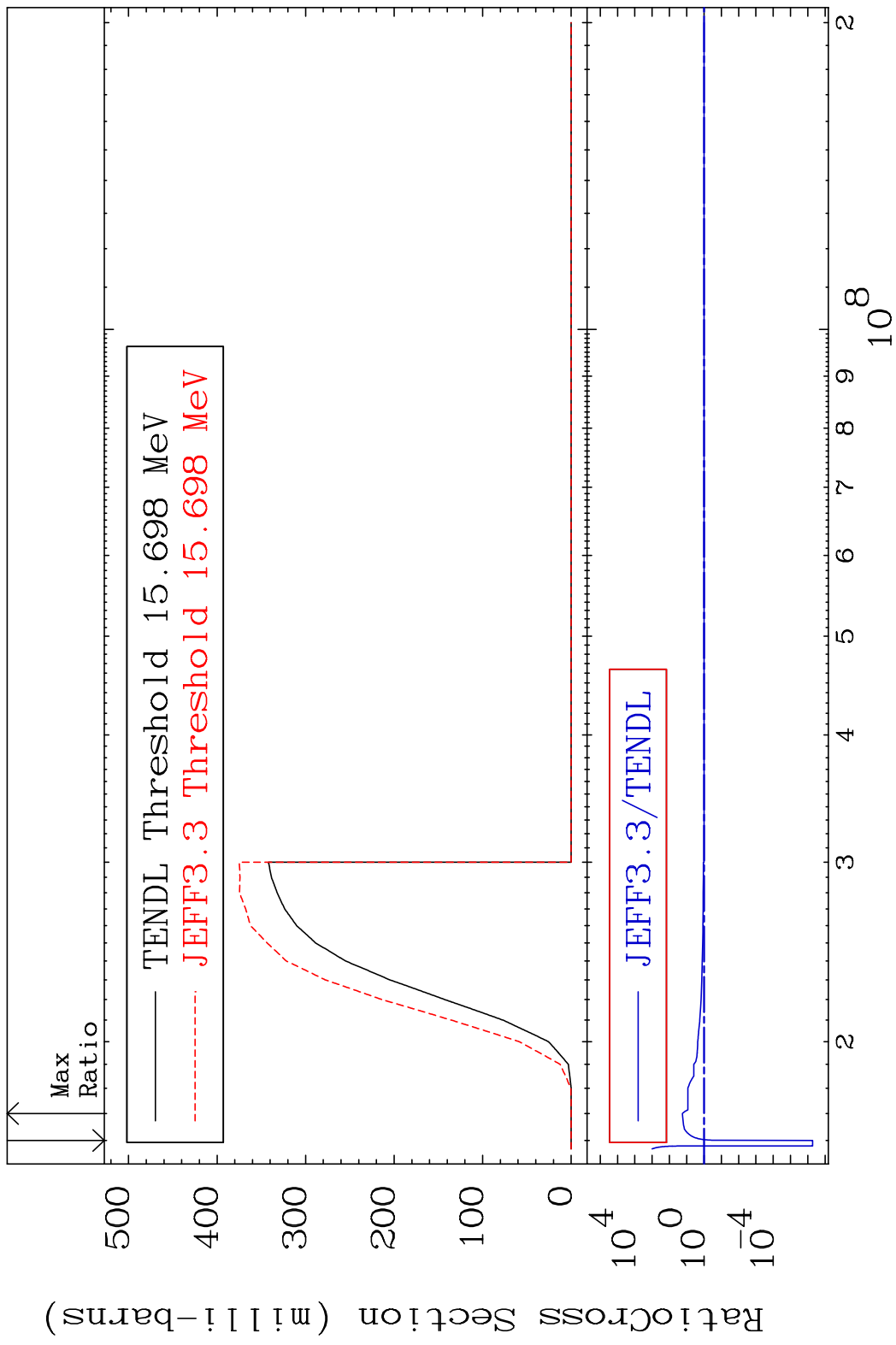


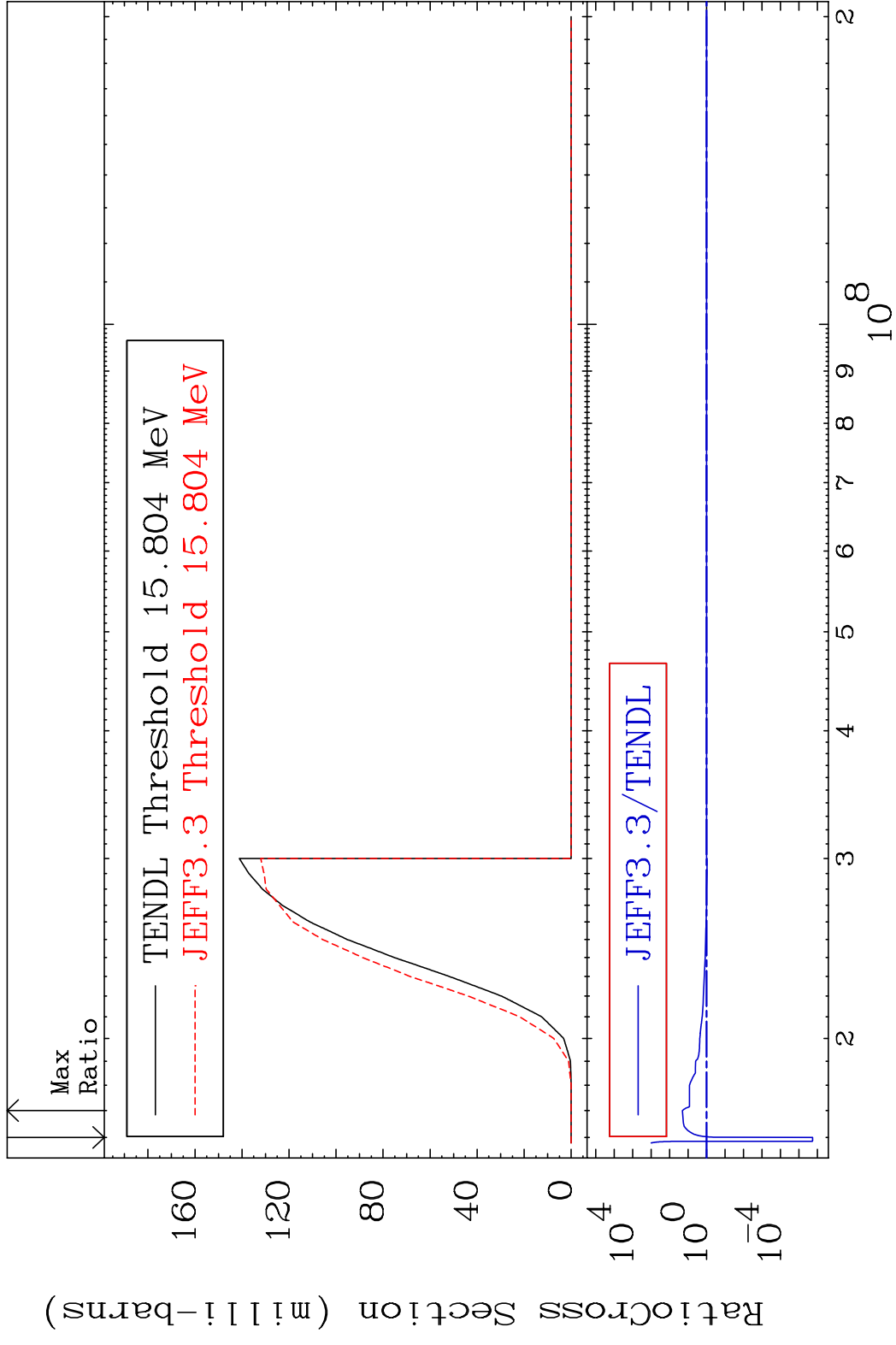
MAT 4228 (n, n') t:41-Nb-90m2 42-Mo-93
 Radionuclide Production Cross Section 15e93 d10 6276. %

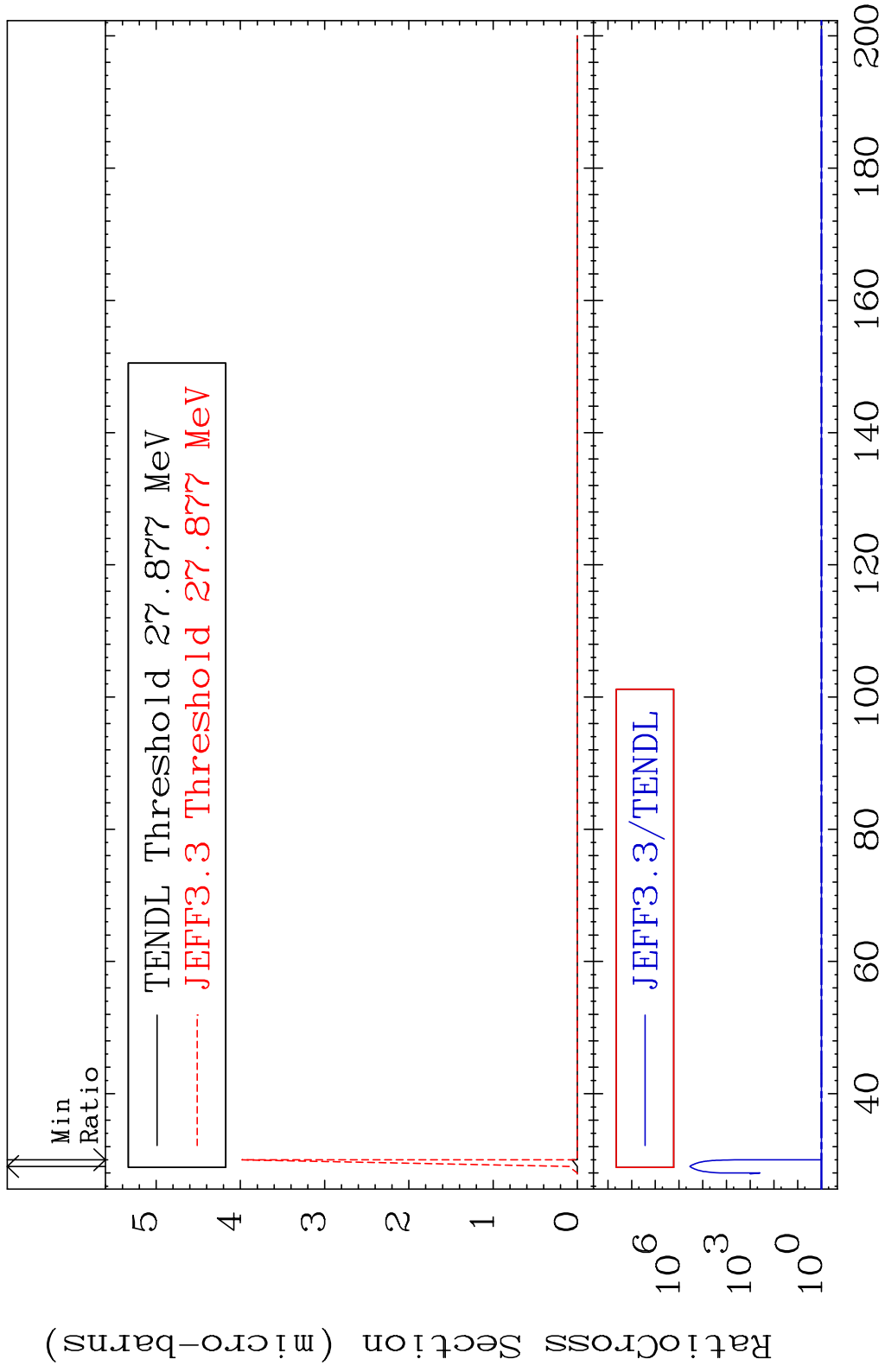


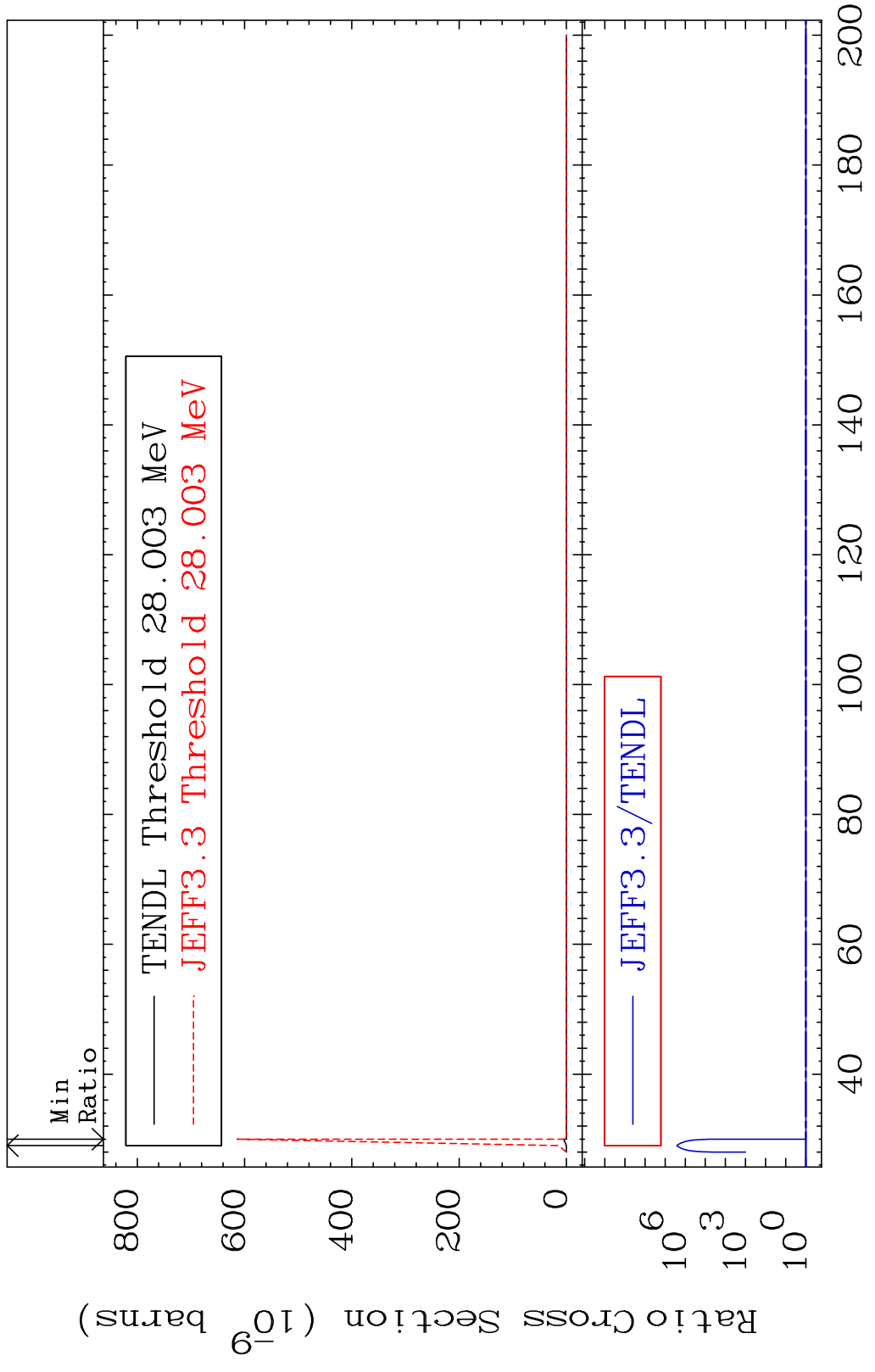


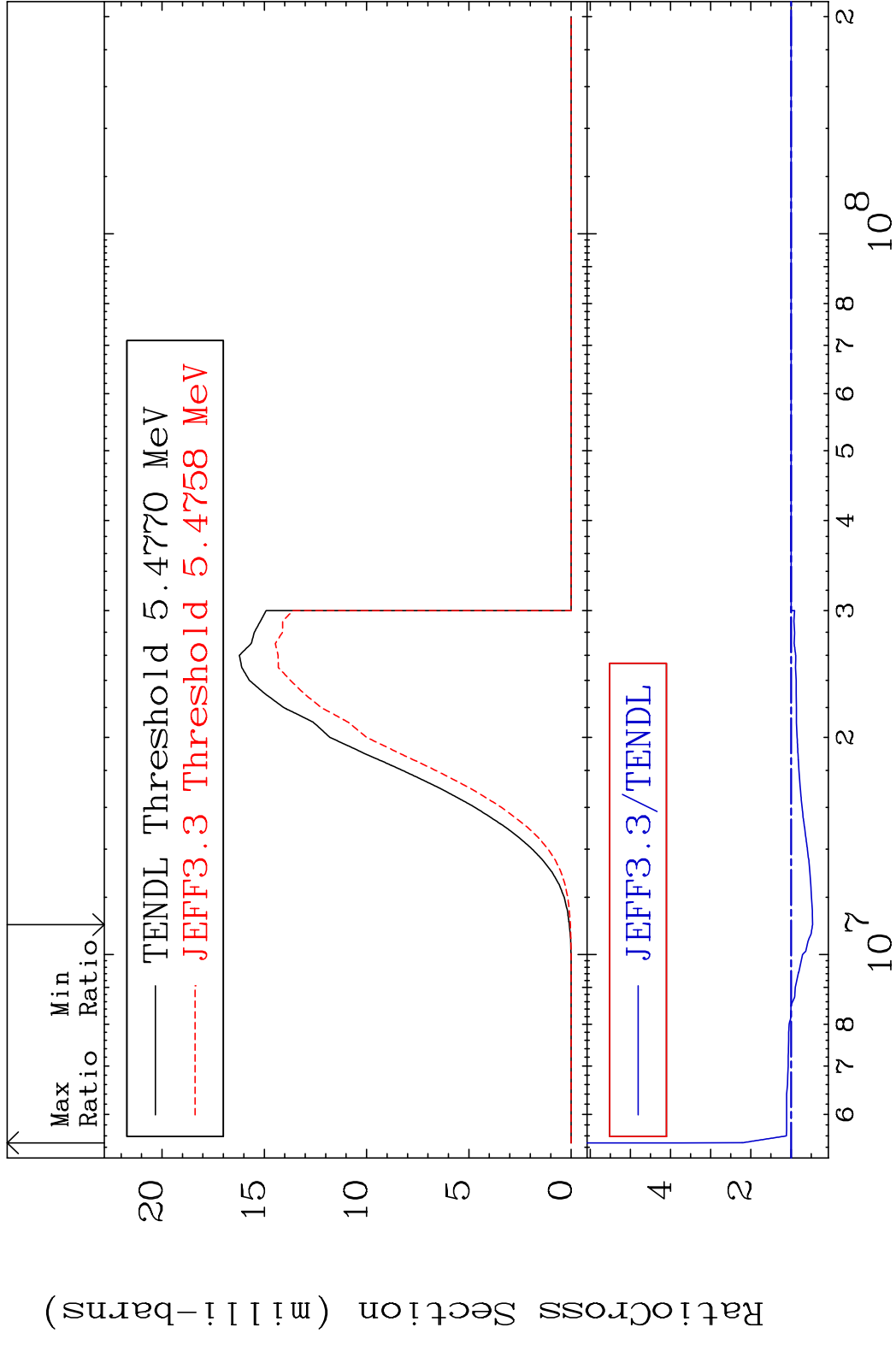




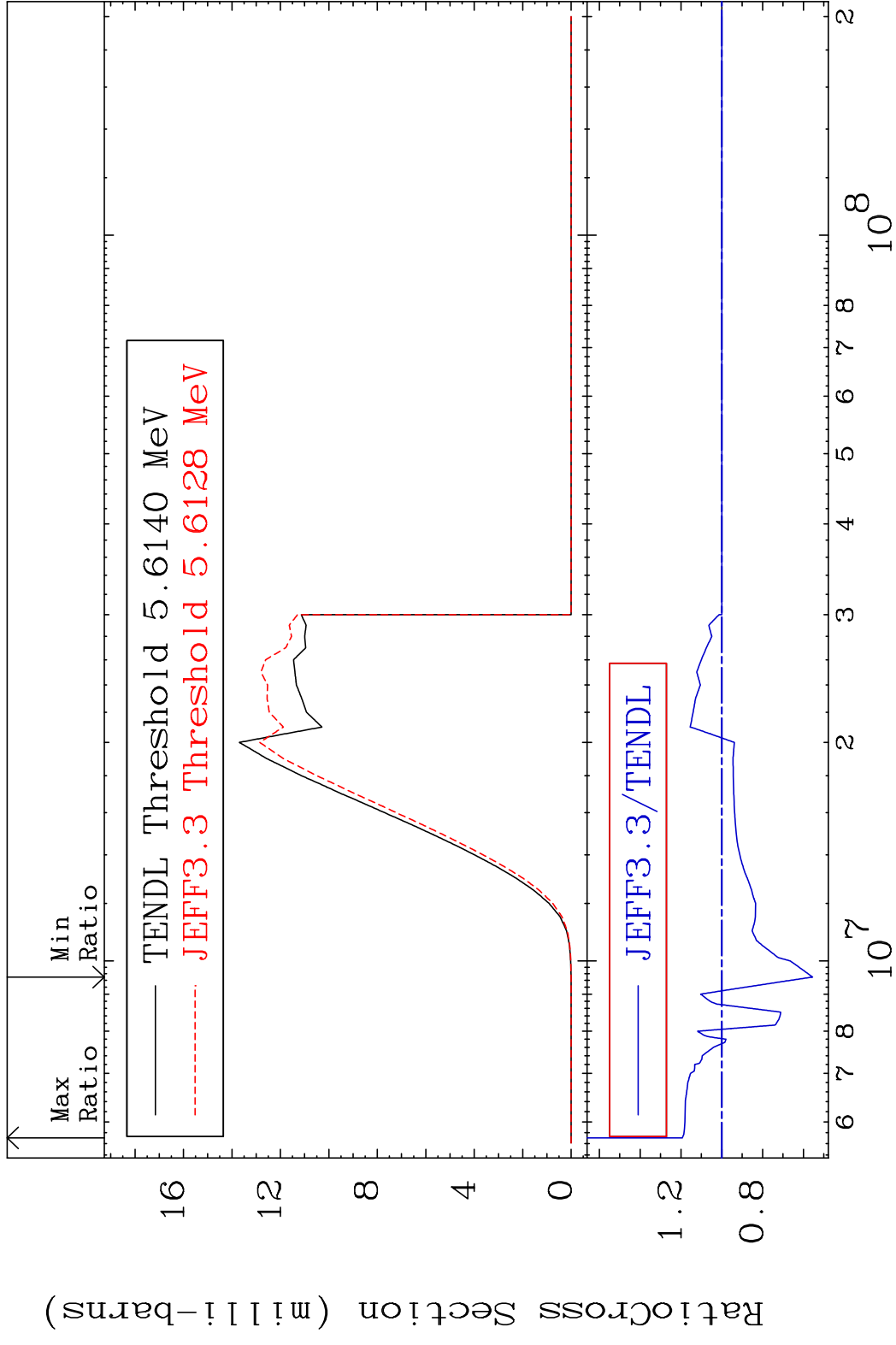




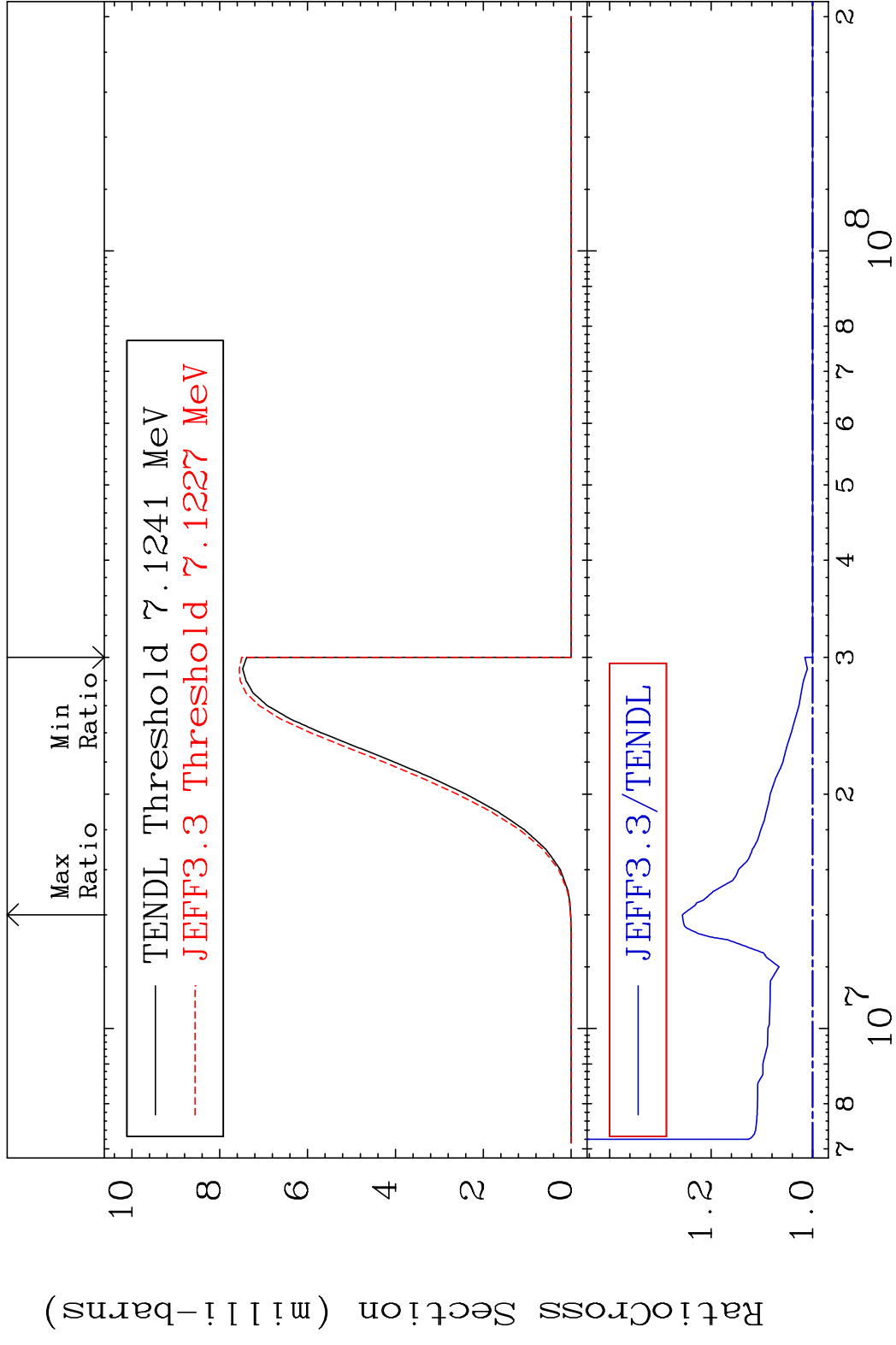




MAT 4228 (n, d) : 41-Nb-92m1 42-Mo-93
 Radionuclide Production Cross Section 19.33 %



100 42-Mo-93



MAT 4228 (n, t): 41-Nb-91m1 42-Mo-93
 Radionuclide Production Cross Section 18.62 mb 12.84 %

