

Program Complot
(Version 2021-1)

by

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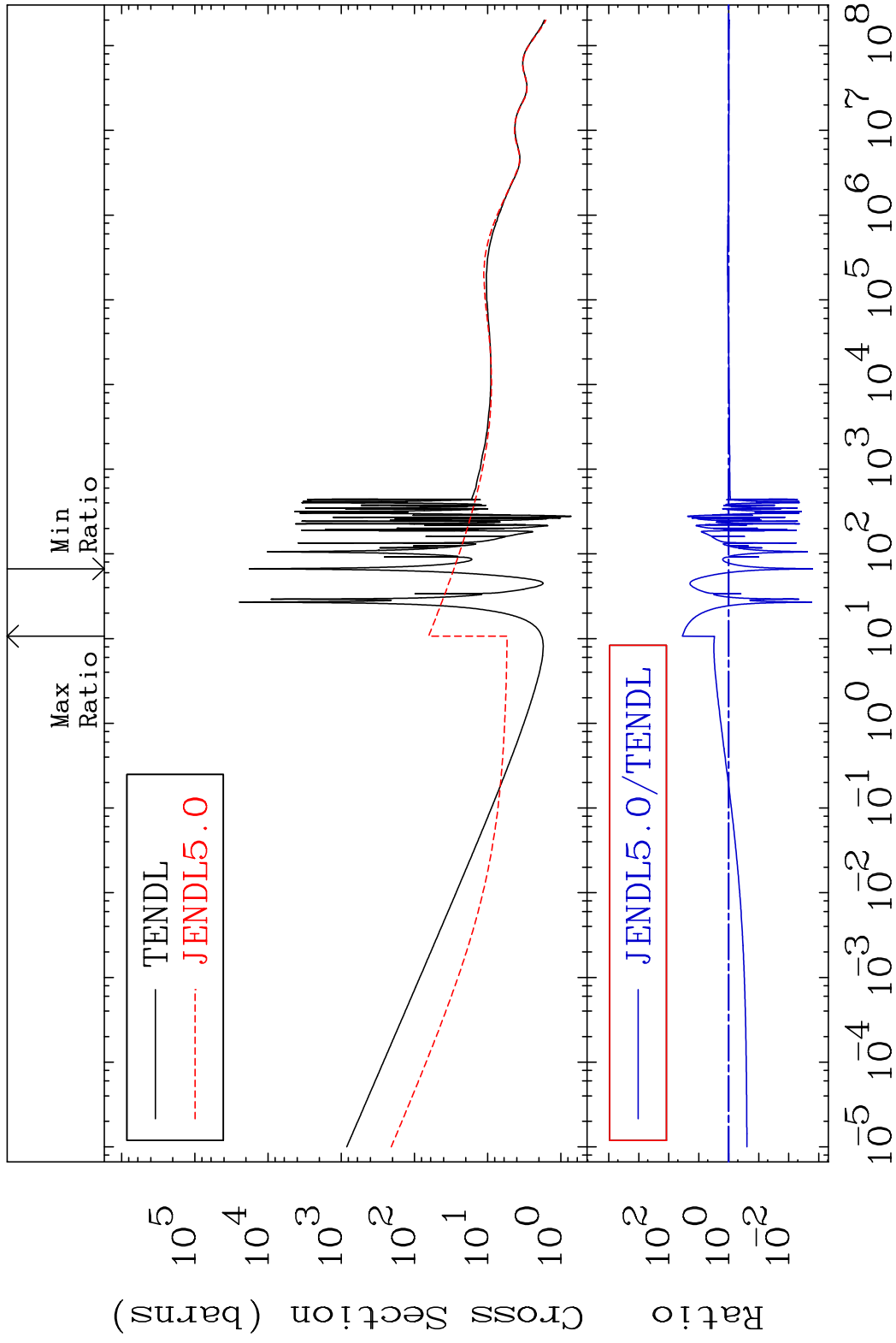
Press Mouse Button to Start

MAT 4319

Total

43-Tc-97

Cross Section -99.84 To 3411. %



1

Incident Energy (eV)

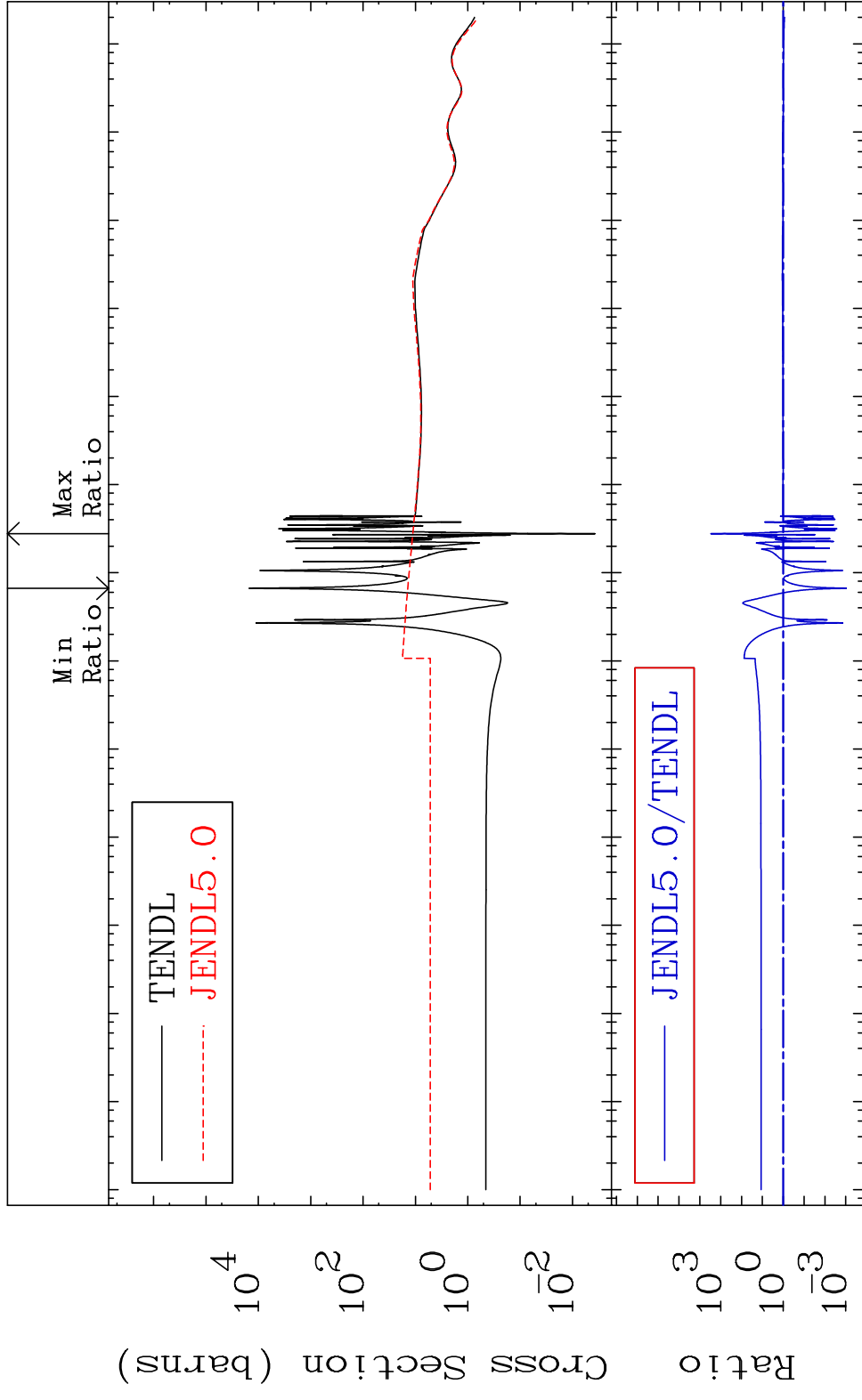
43-Tc-97

MAT 4319

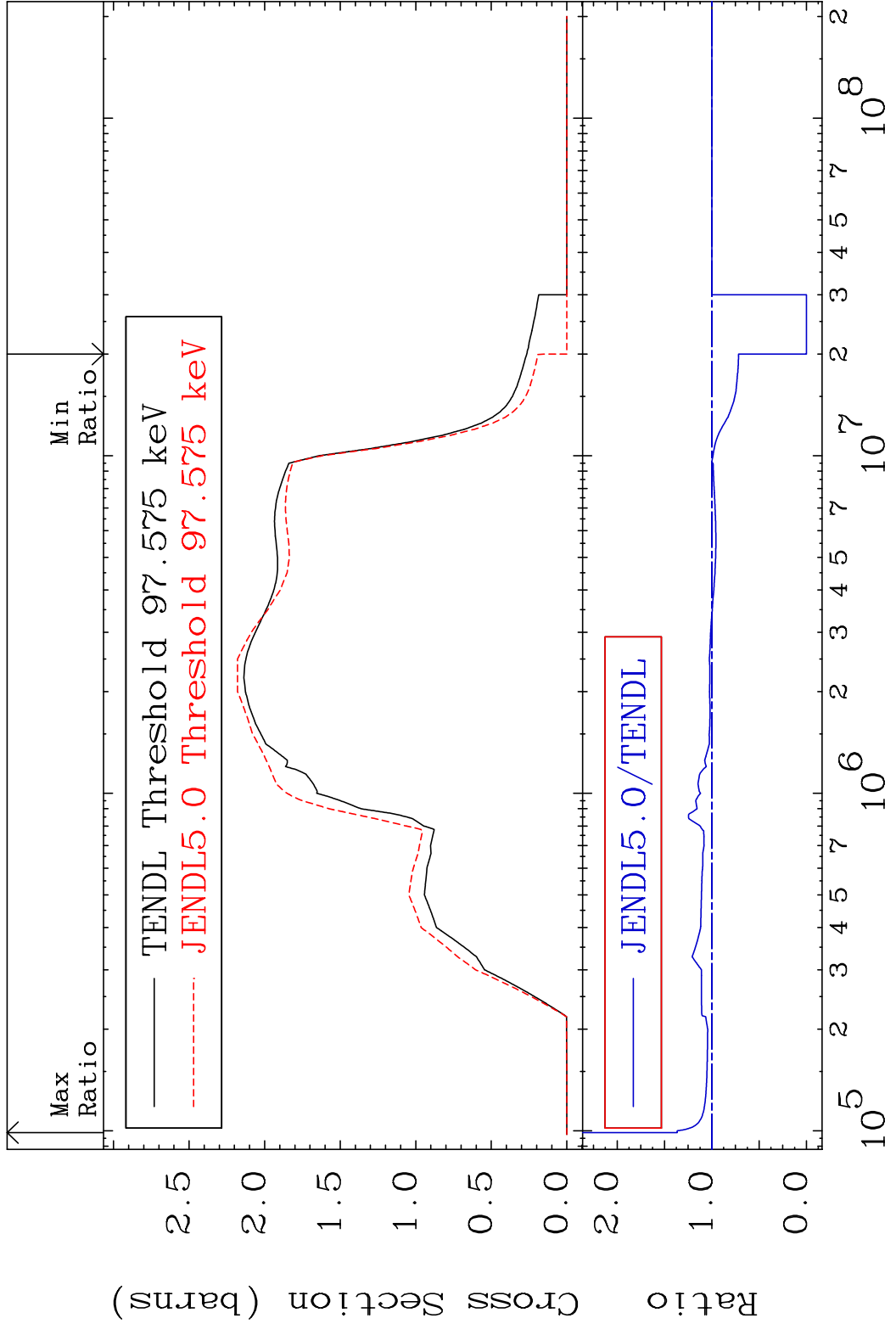
43-Tc-97

Elastic

Cross Section -99.91 To 9999. %

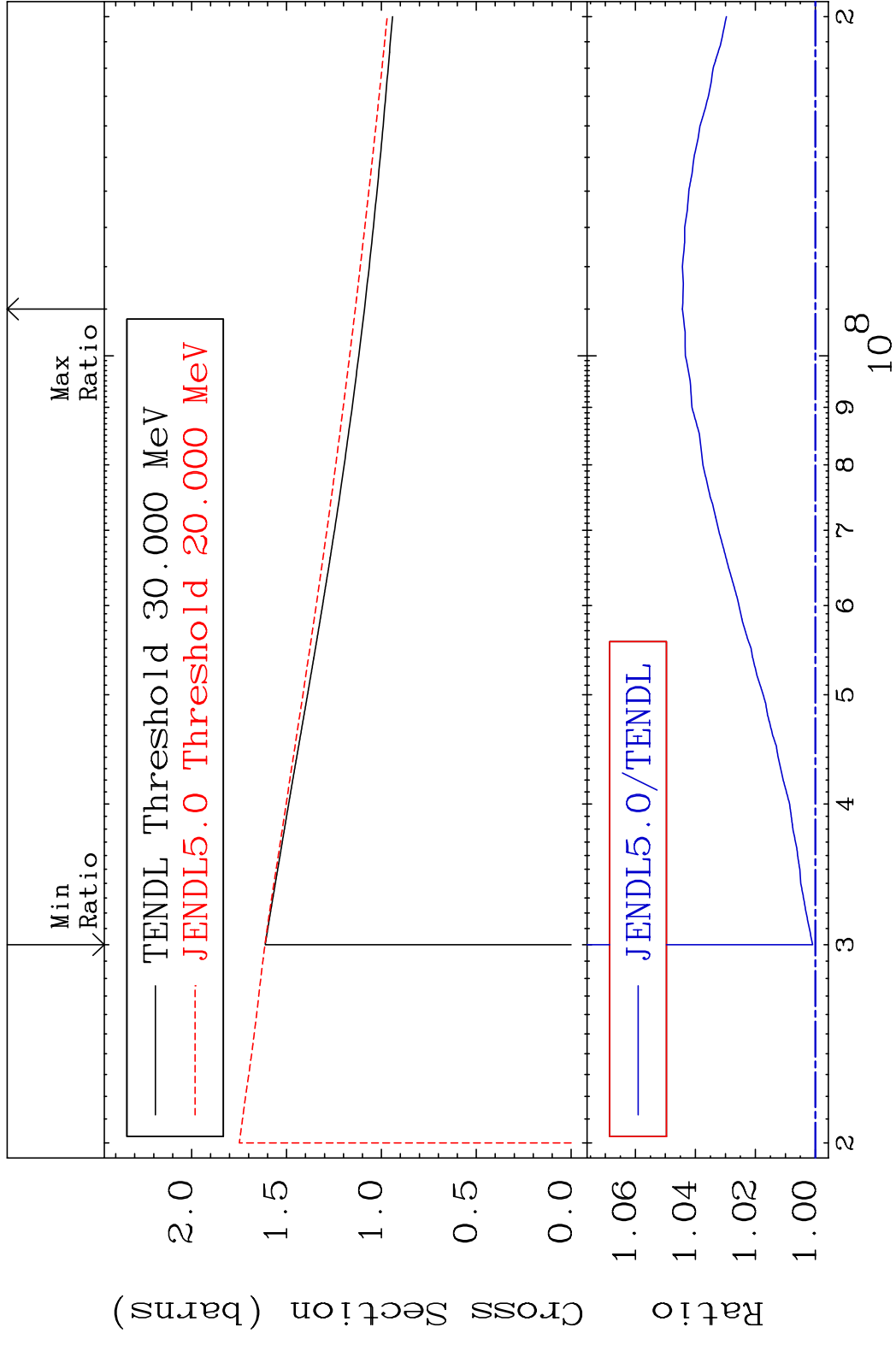


MAT 4319 Inelastic Cross Section -100.0 To 36.58 % 43-Tc-97



3 Incident Energy (eV) 43-Tc-97

MAT 4319 (n, remainder) 43-Tc-97
 Cross Section 0.094 To 4.435 %



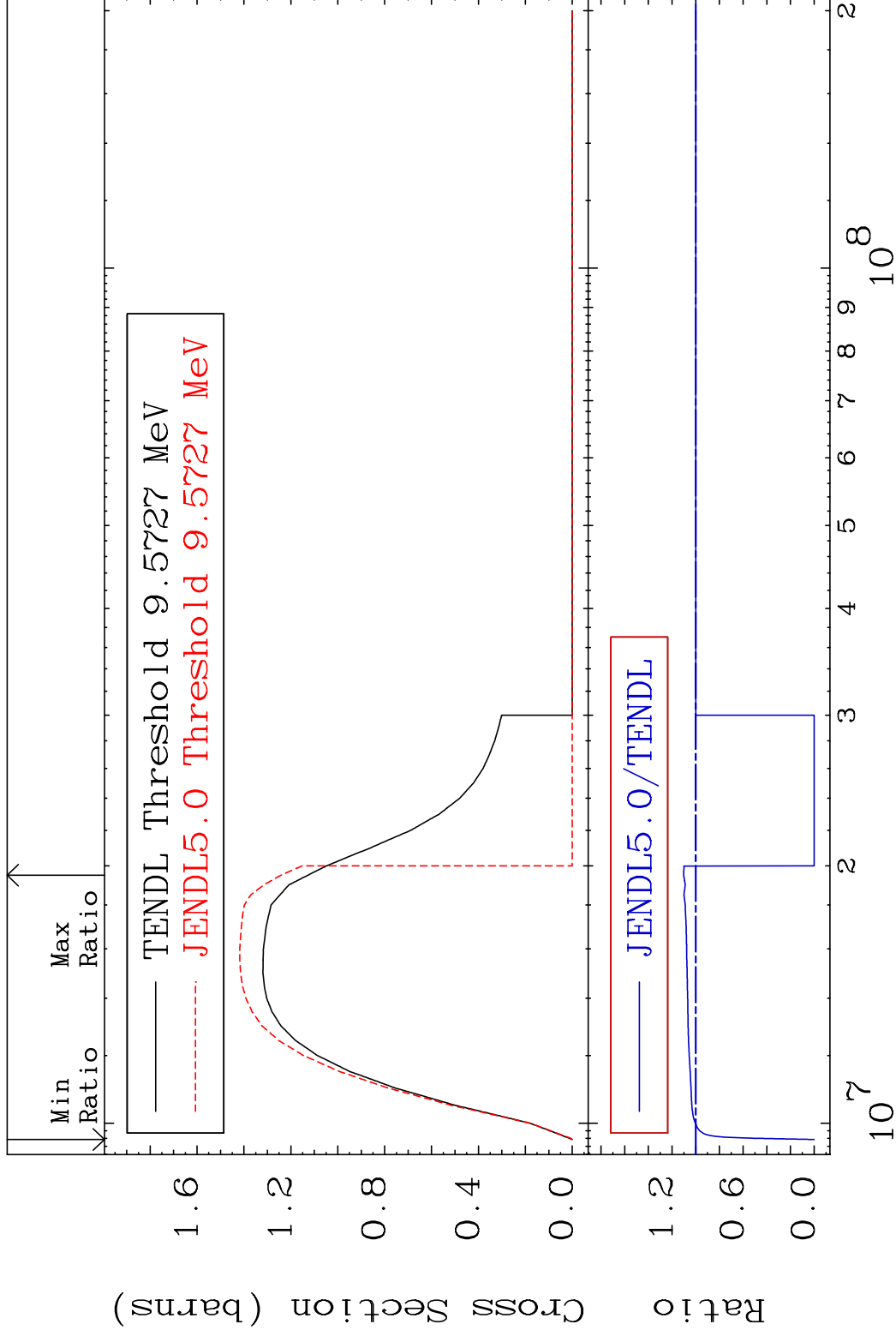
4 Incident Energy (eV) 43-Tc-97

MAT 4319

(n,2n)

43-Tc-97

Cross Section -100.0 To 10.19 %

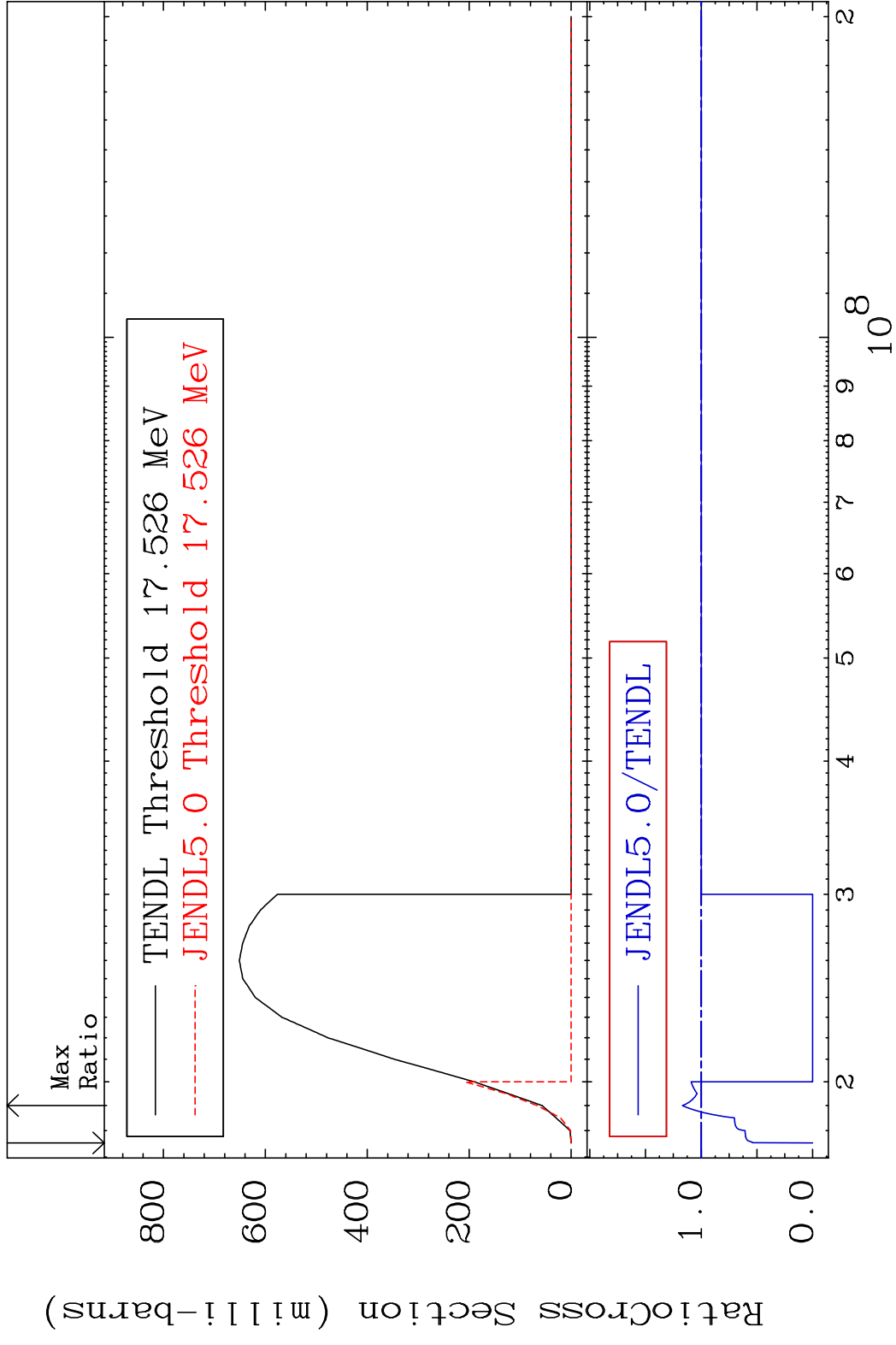


5

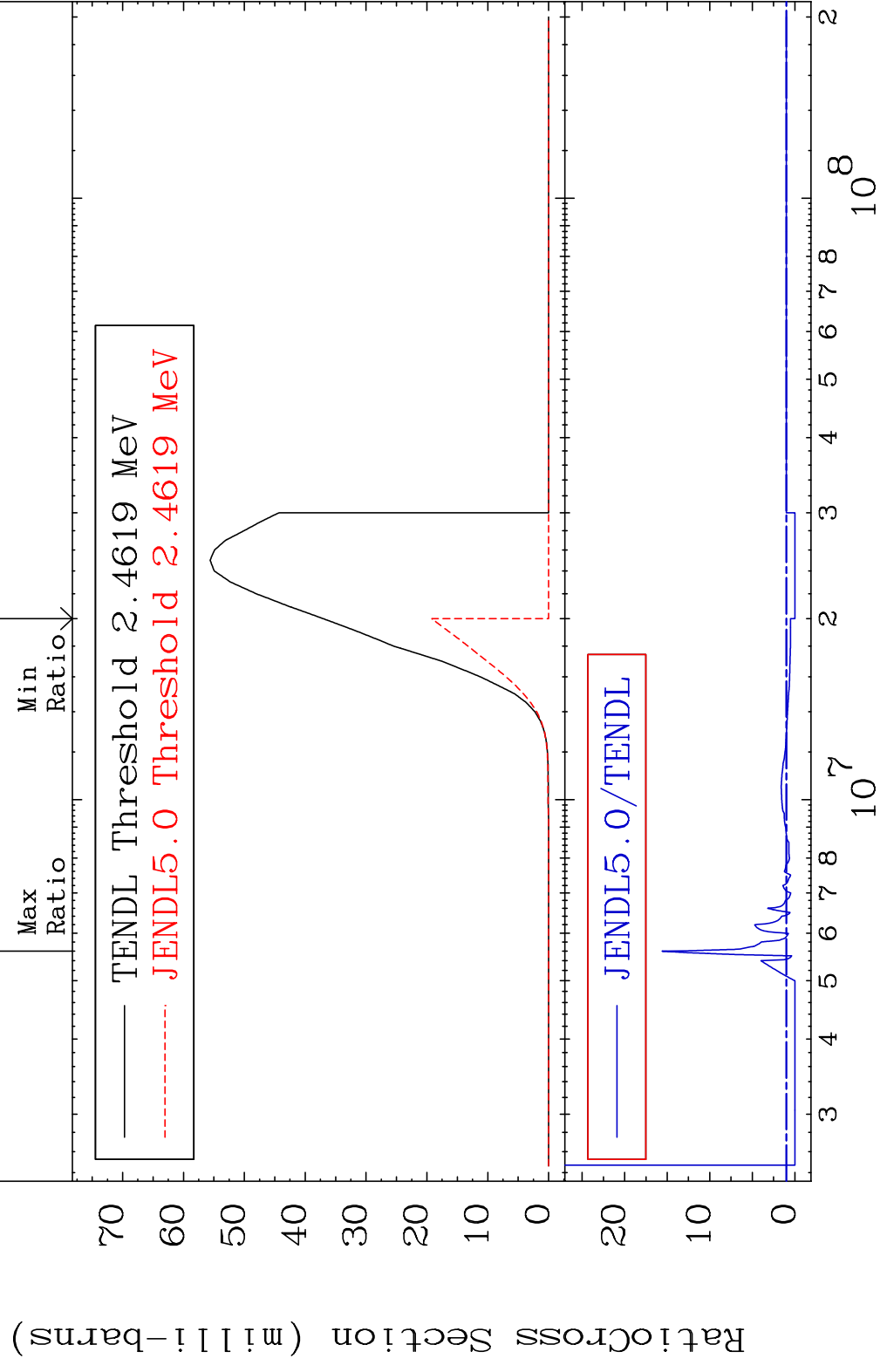
Incident Energy (eV)

43-Tc-97

MAT 4319 (n,3n) 43-Tc-97
 Cross Section -100.0 To 16.93 %



MAT 4319 (n, n') α 43-Tc-97
 Cross Section -100.0 To 1461. %

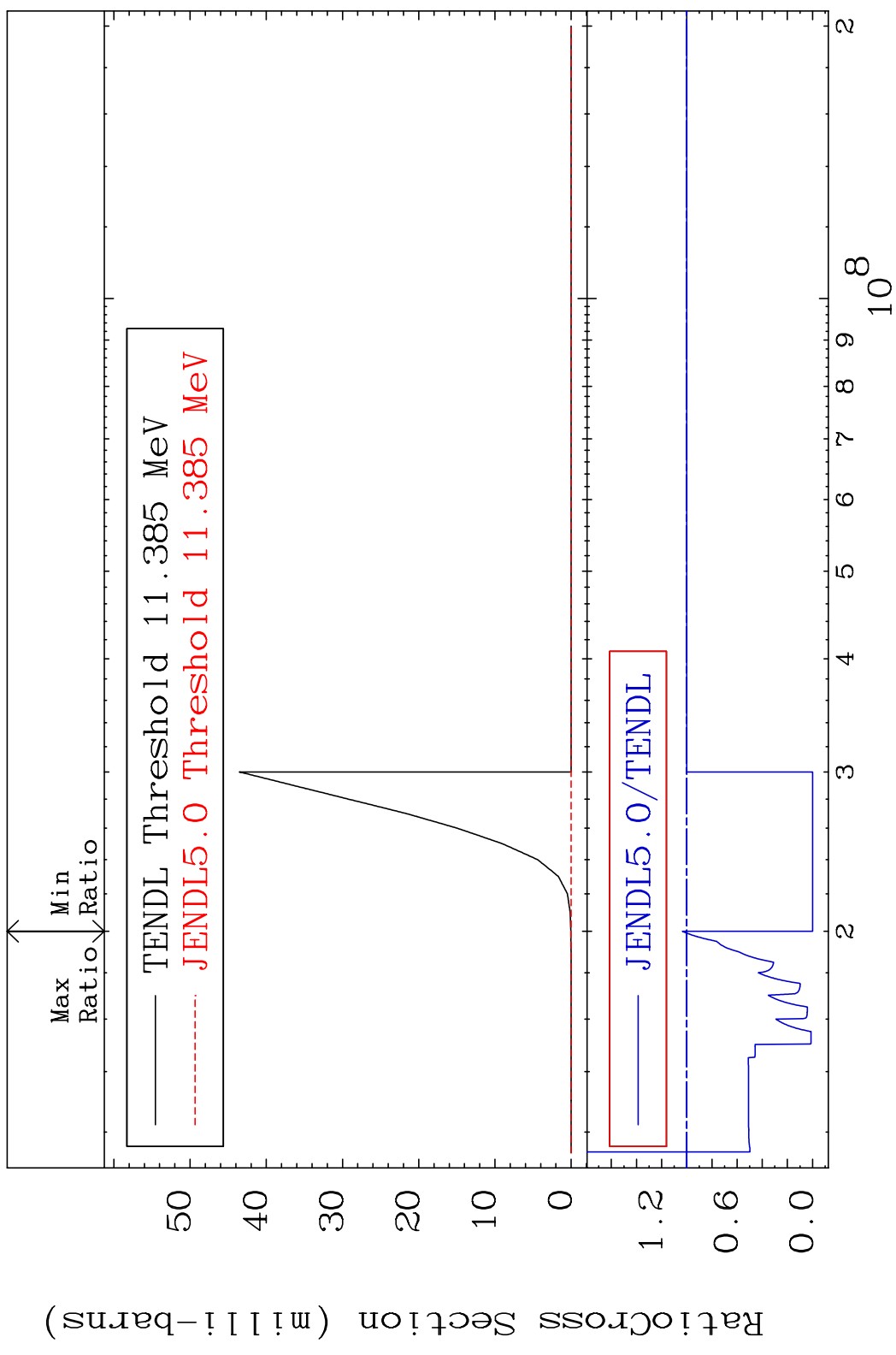


MAT 4319

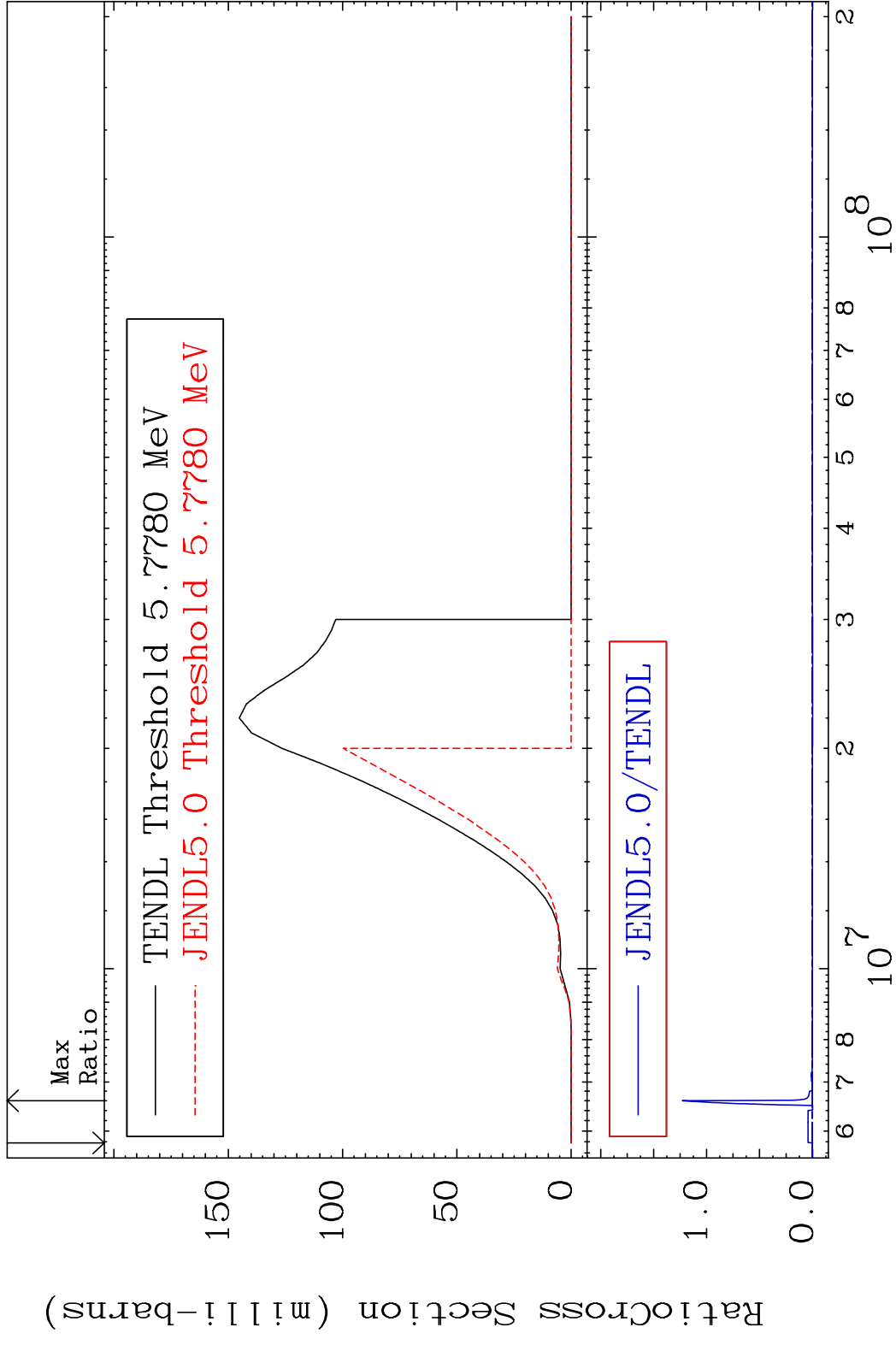
(n,2n) α

43-Tc-97

Cross Section -100.0 To 3.531 %



MAT 4319 (n, n') p 43-Tc-97
 Cross Section -100.0 To 9999. %

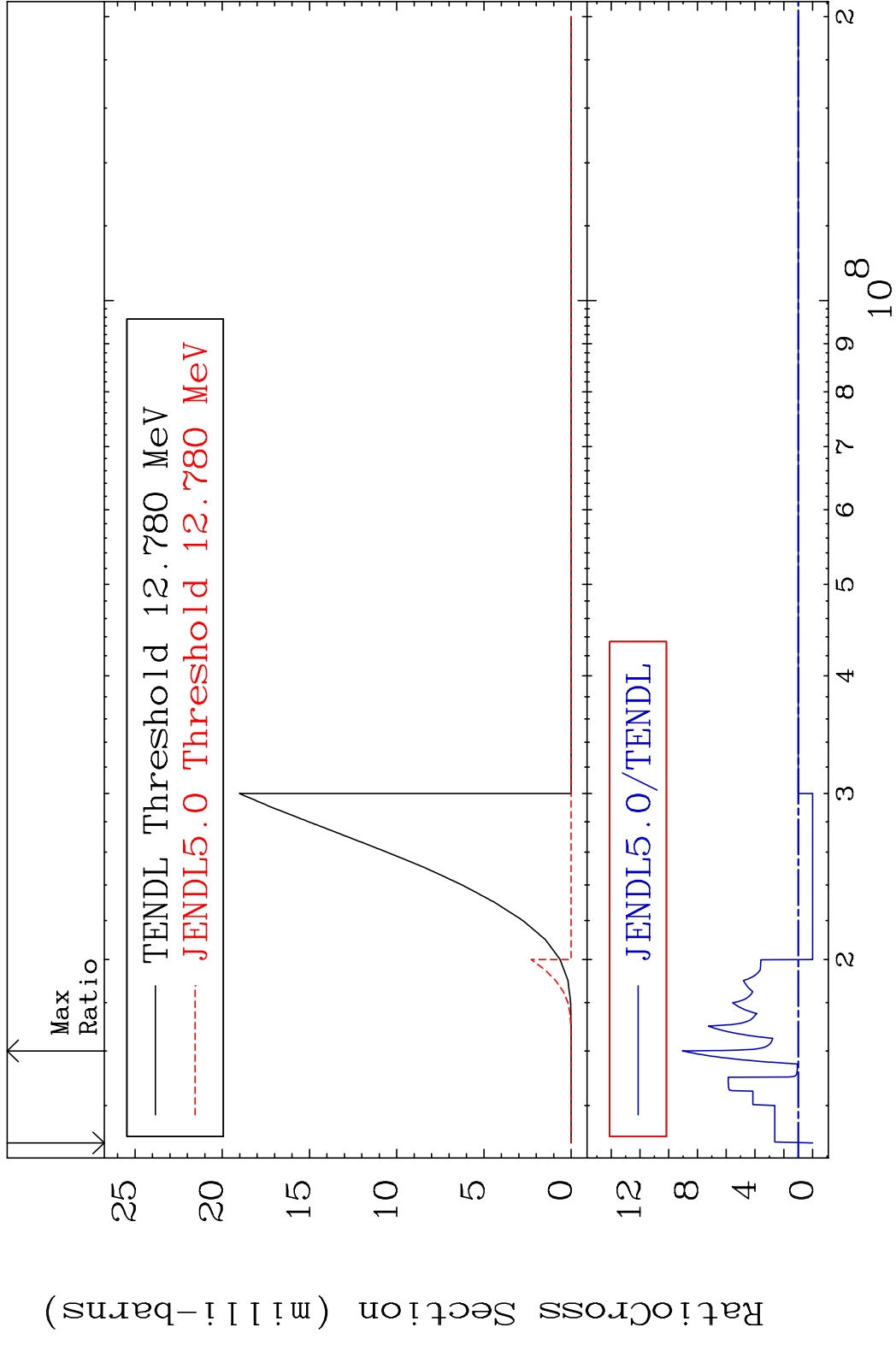


MAT 4319

(n, n') d

43-Tc-97

Cross Section -100.0 To 805.0 %

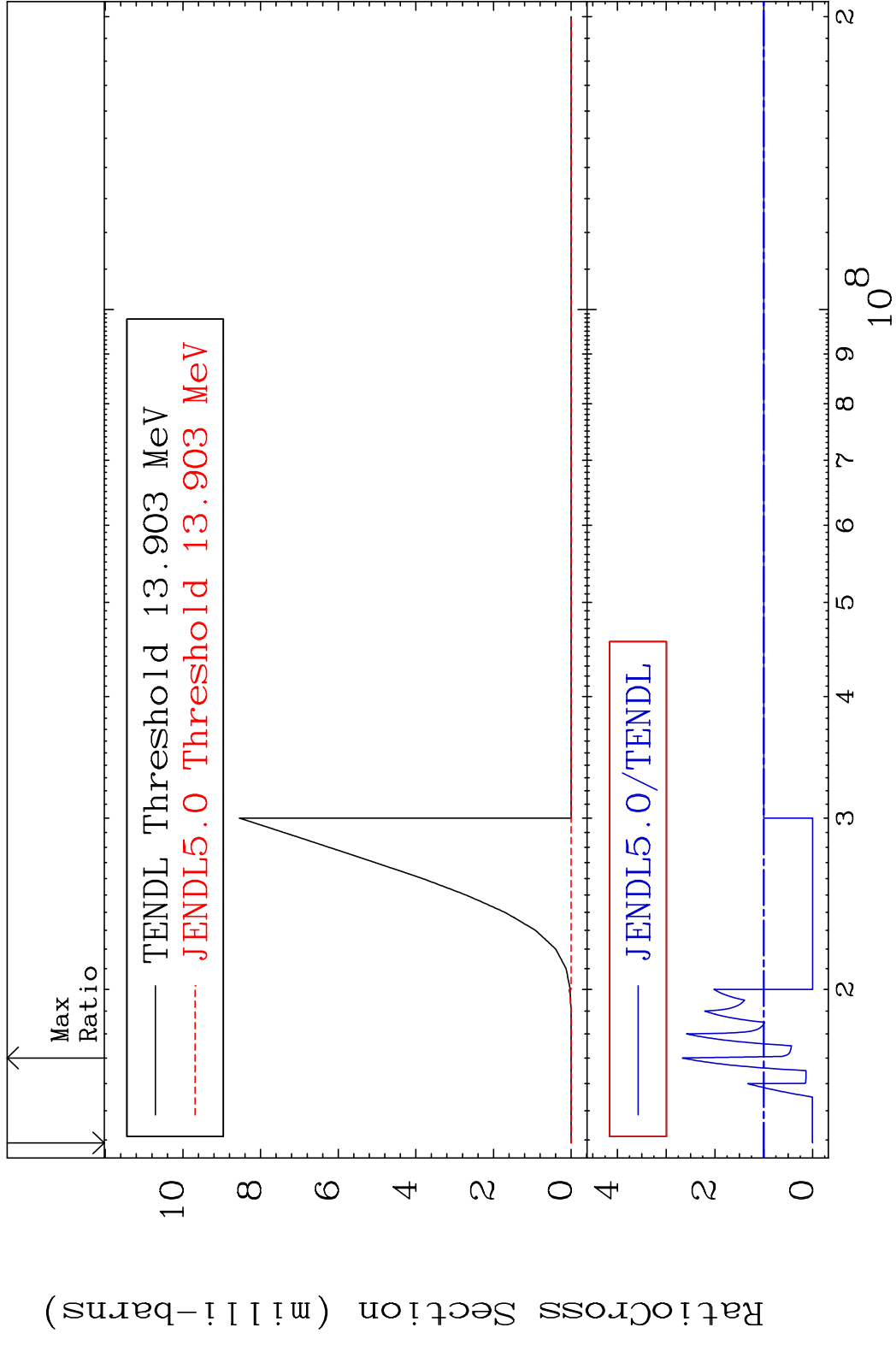


10

Incident Energy (eV)

43-Tc-97

MAT 4319 (n, n') t 43-Tc-97
 Cross Section -100.0 To 166.7 %

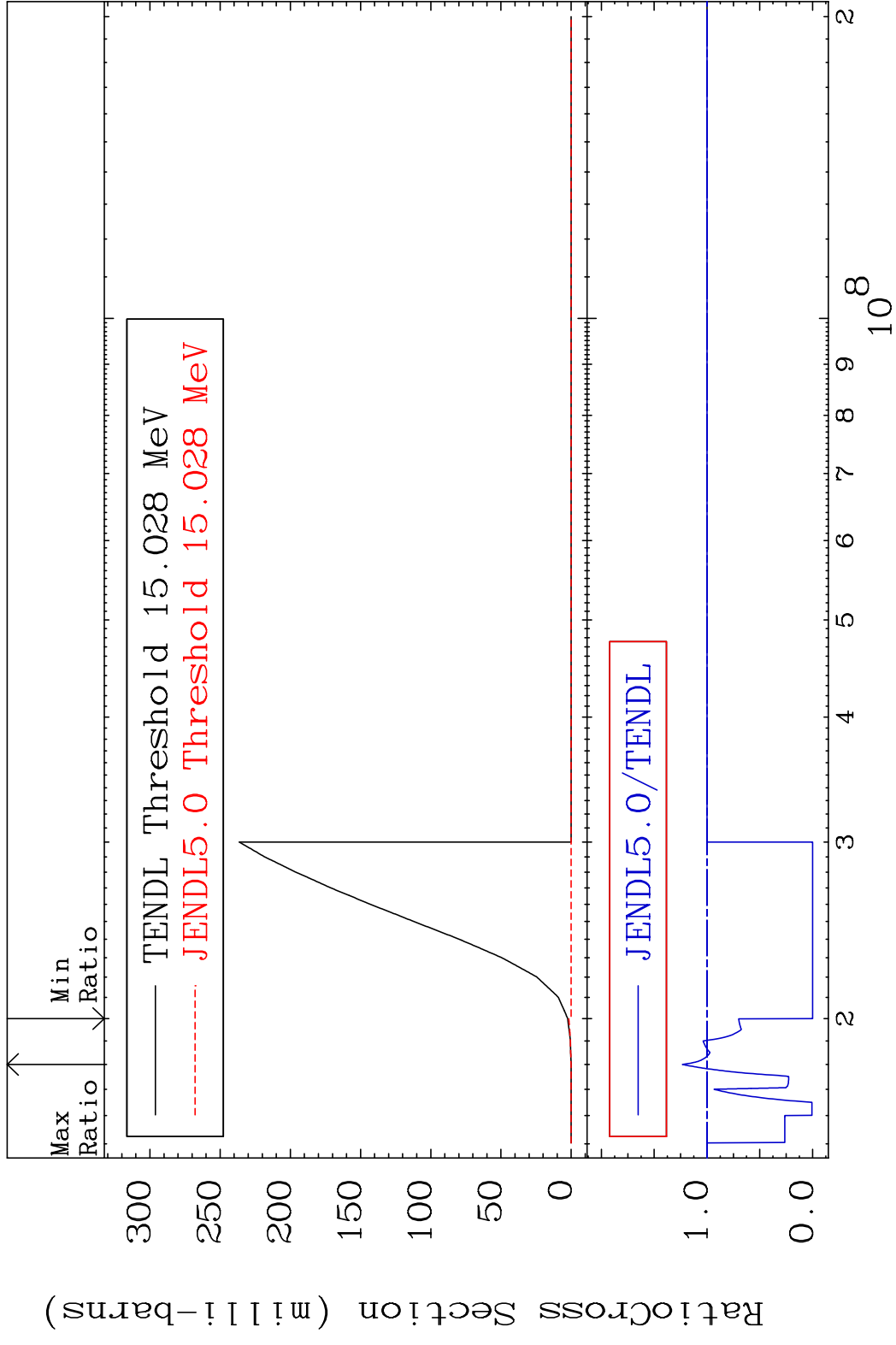


MAT 4319

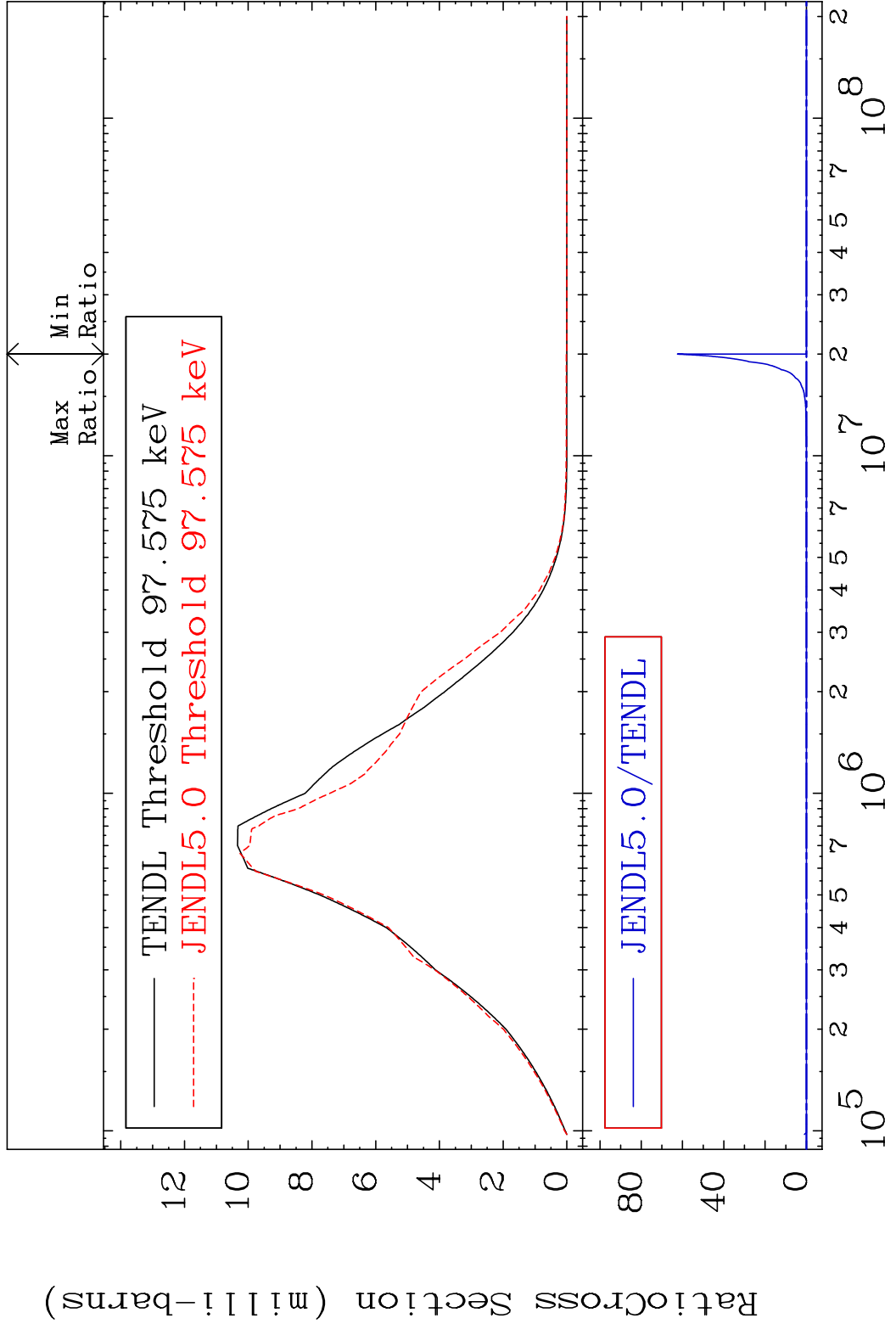
(n,2n) p

43-Tc-97

Cross Section -100.0 To 23.34 %

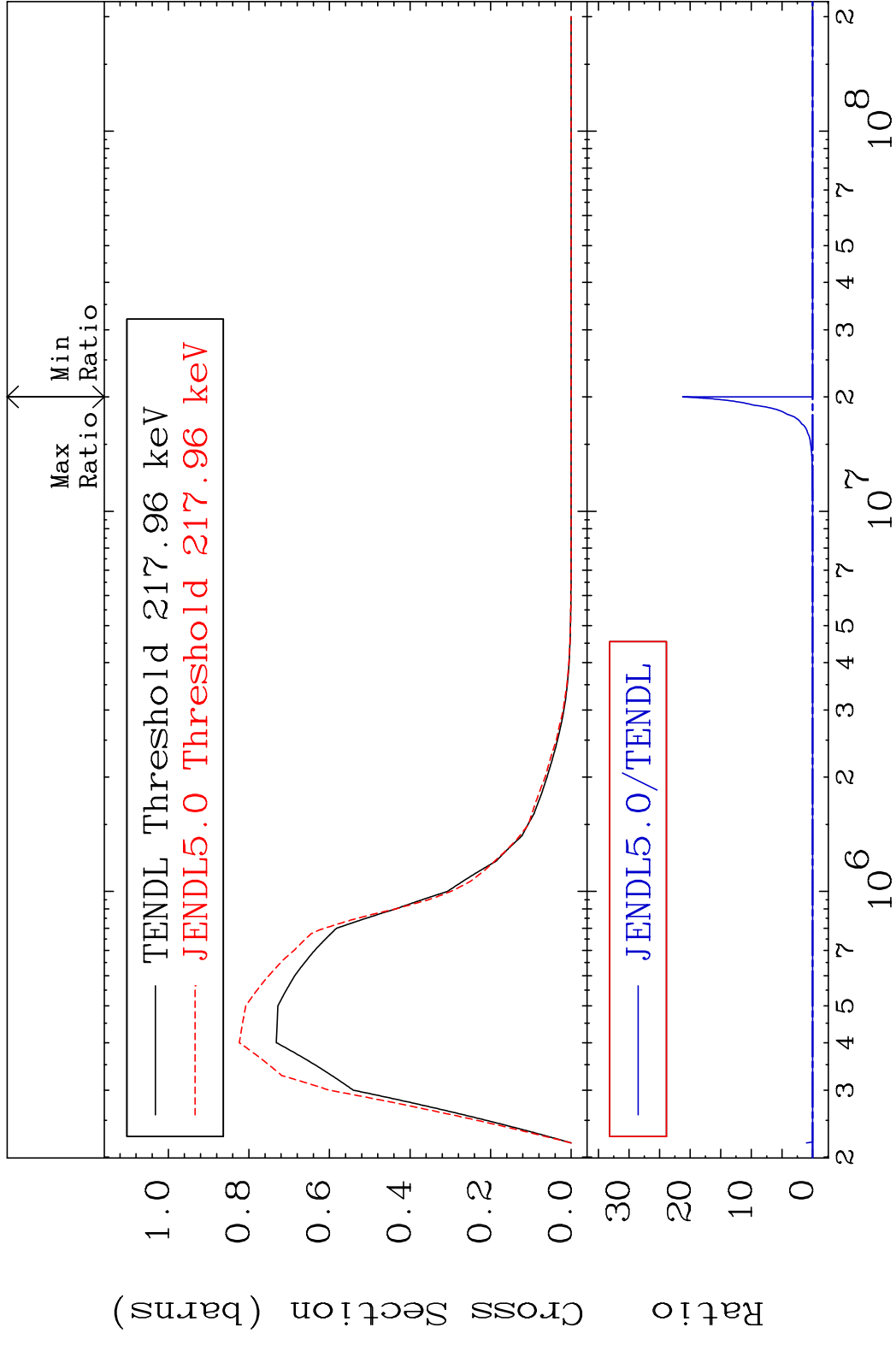


MAT 4319 MT= 51 (n,n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %

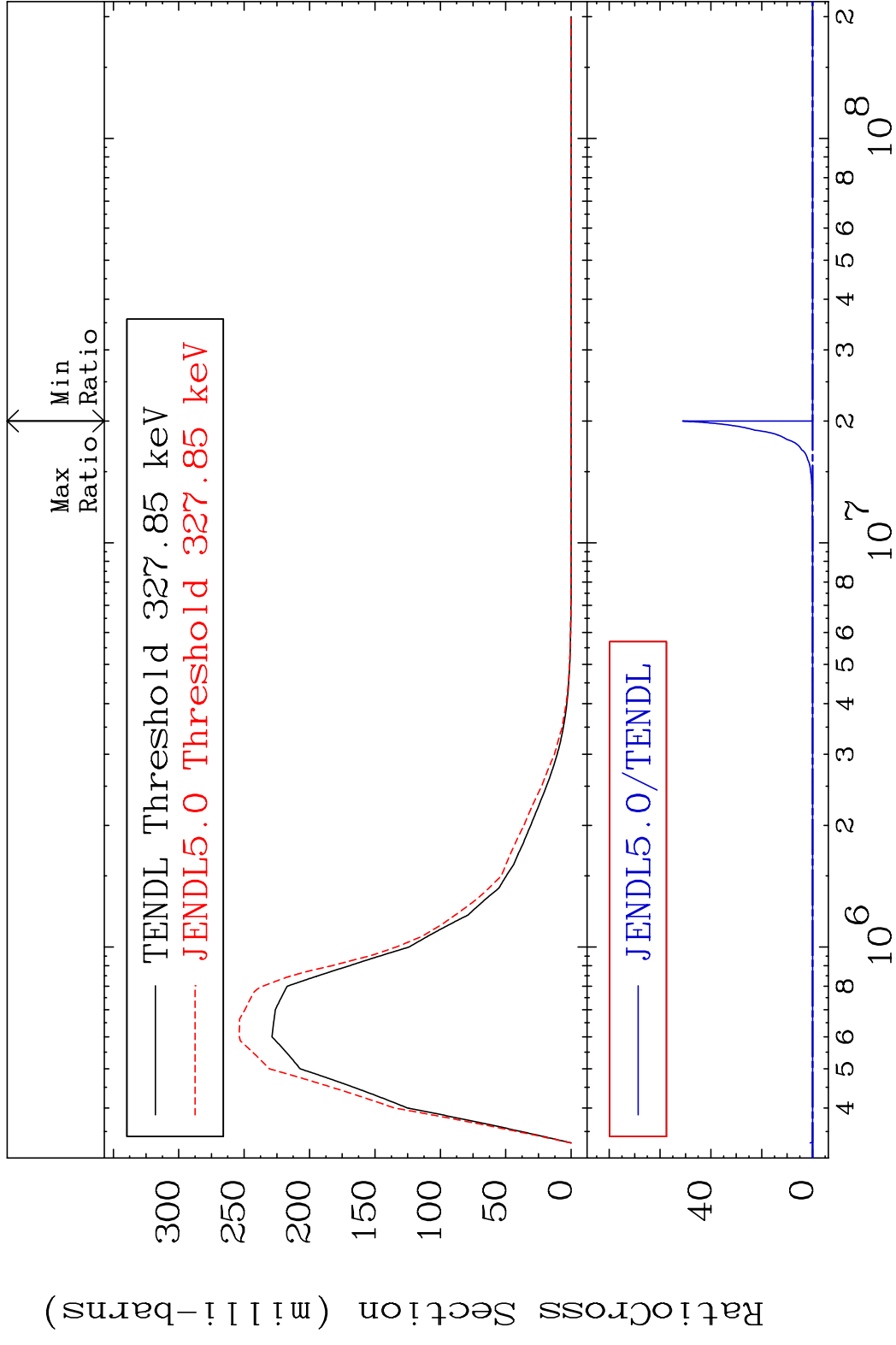


13 43-Tc-97

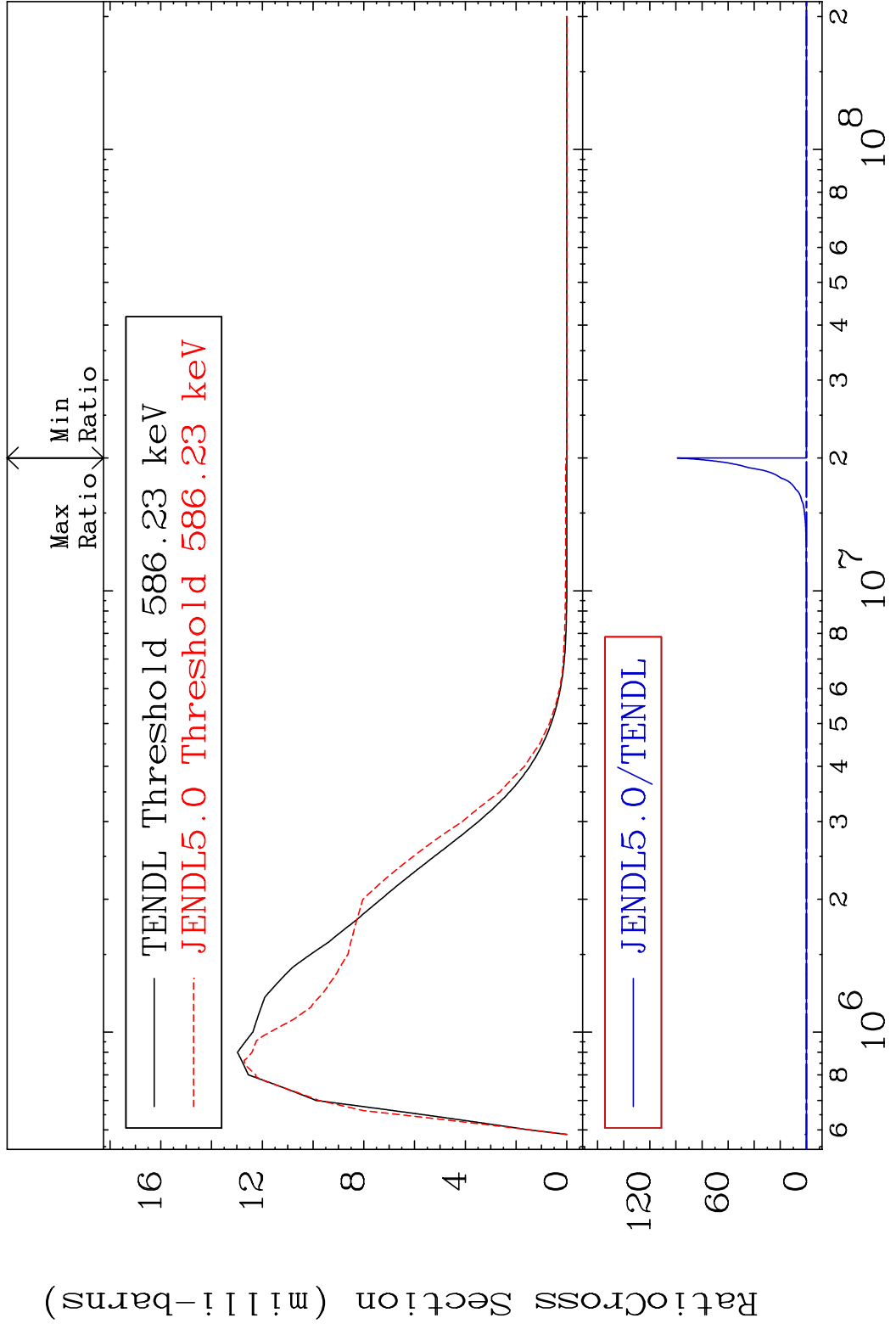
MAT 4319 MT= 52 (n,n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



MAT 4319 MT= 53 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %

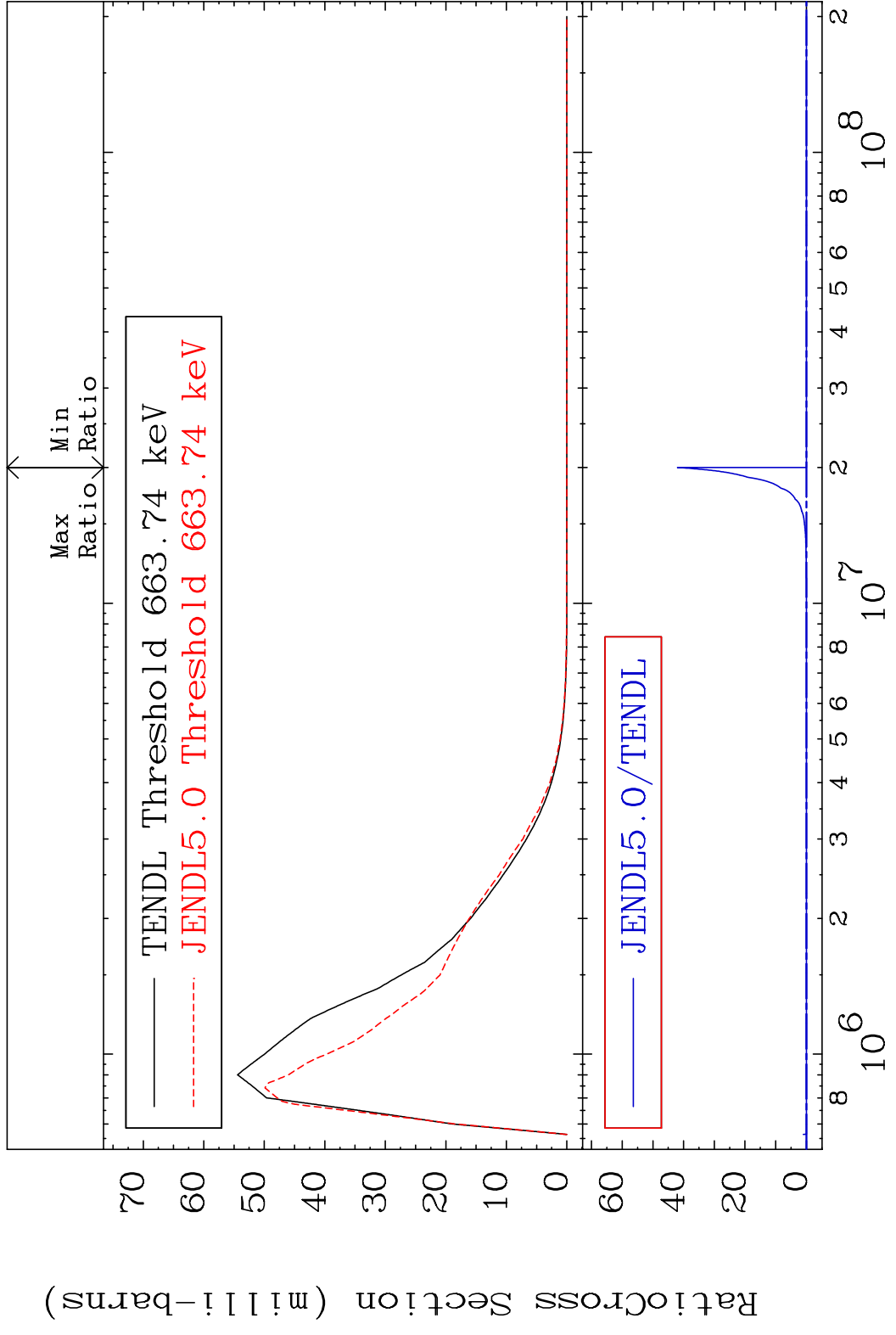


MAT 4319 MT= 54 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



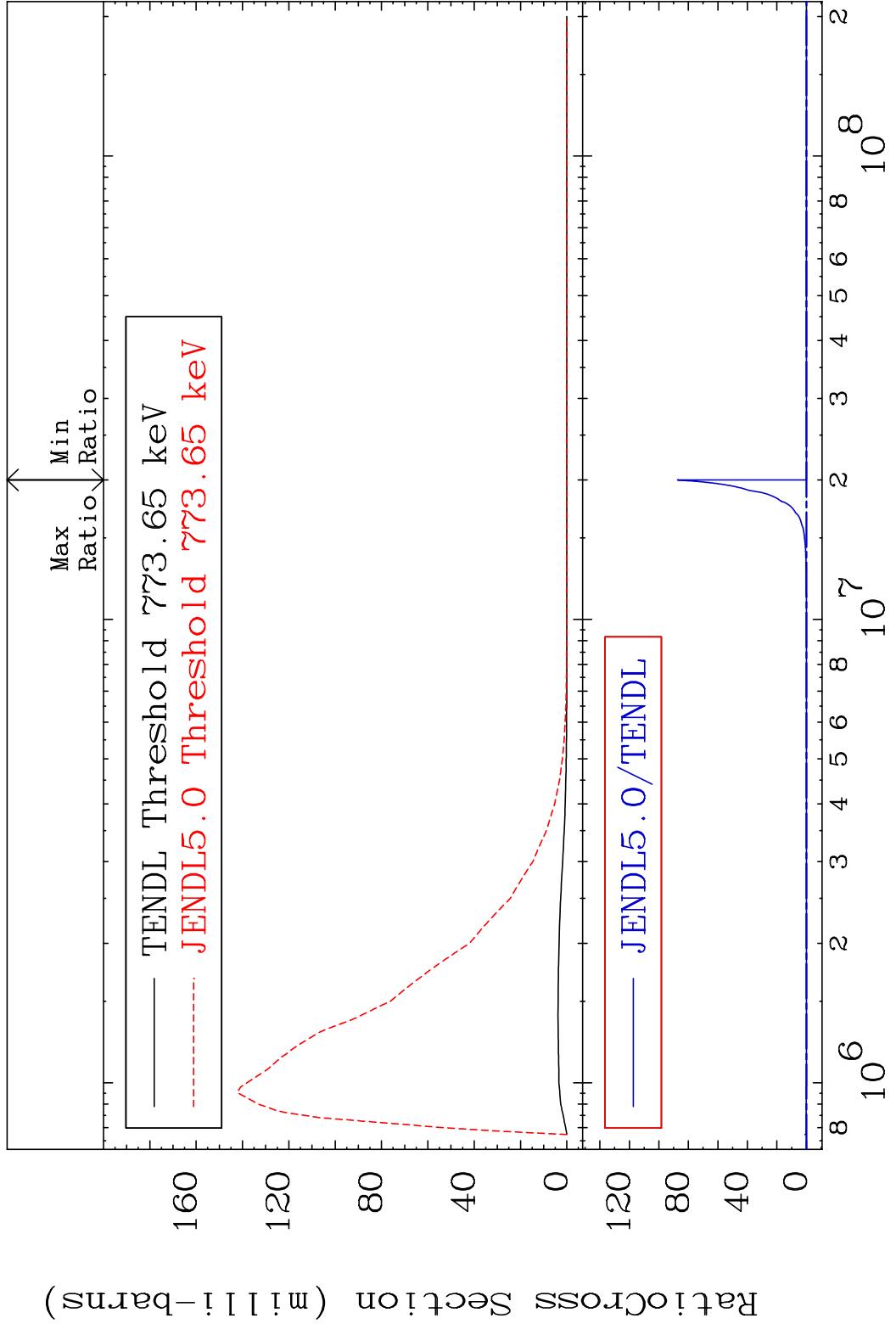
16 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 55 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



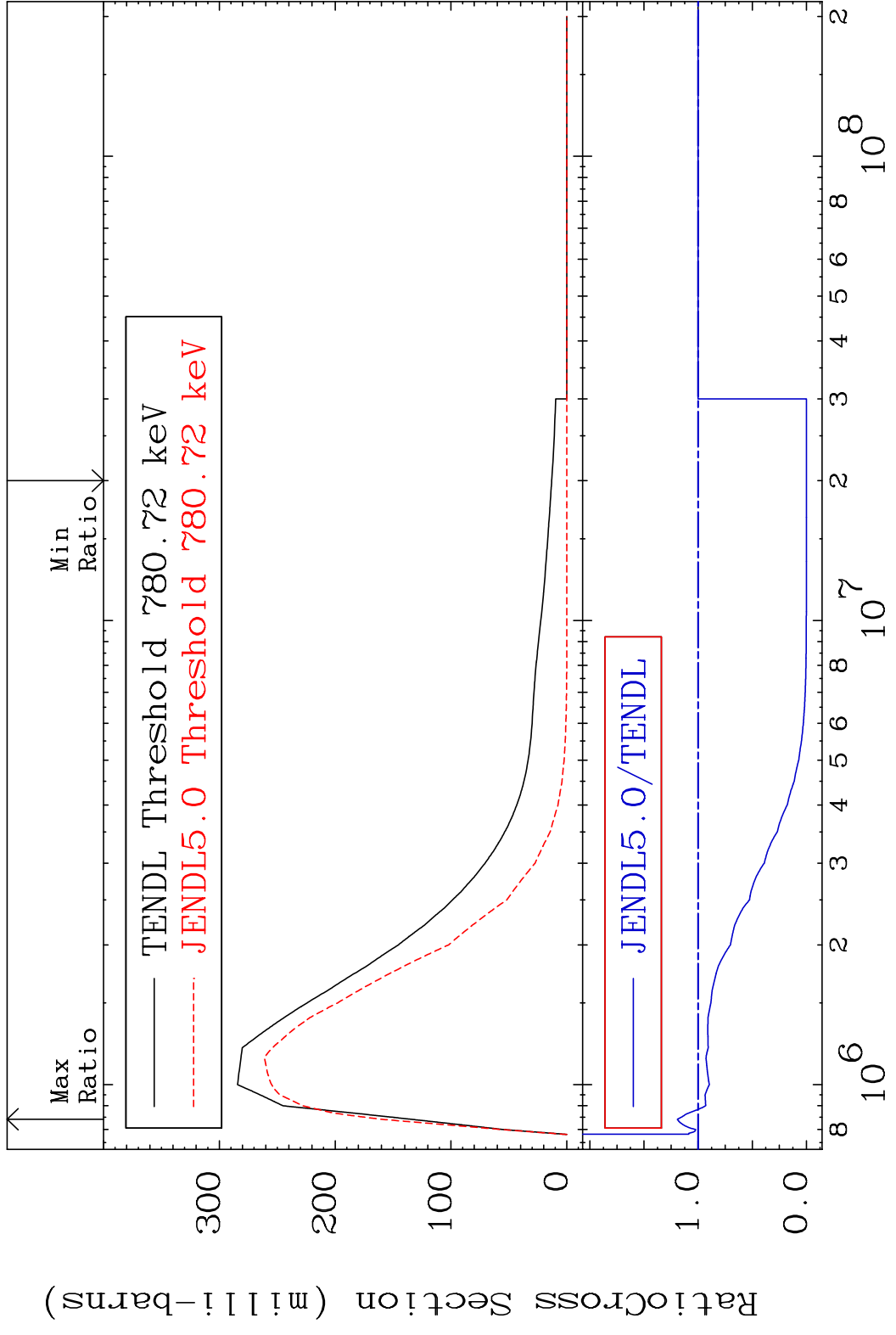
17 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 56 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



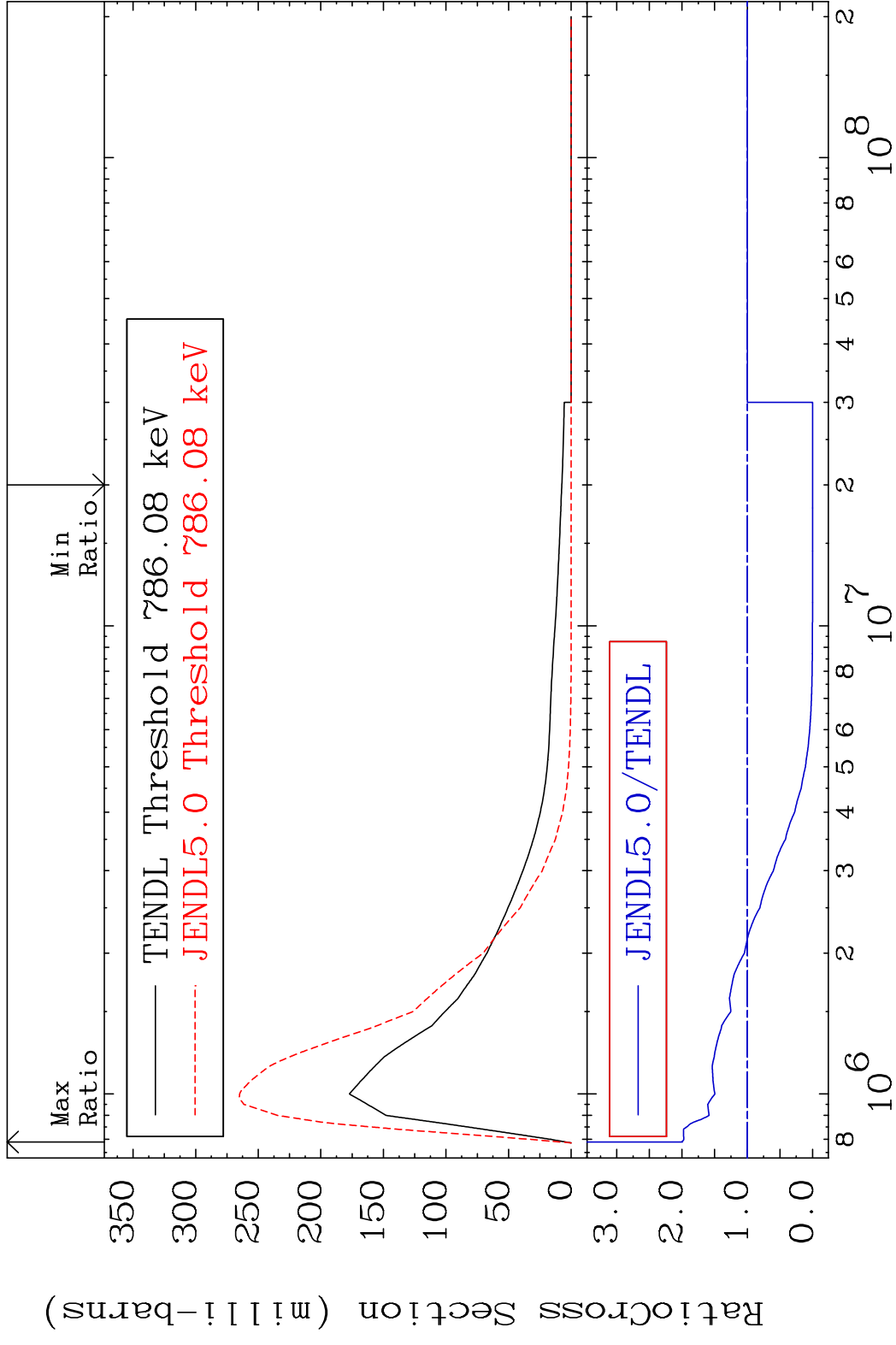
18 18 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 57 (n,n') Level 43-Tc-97
 Cross Section -100.0 To 19.35 %



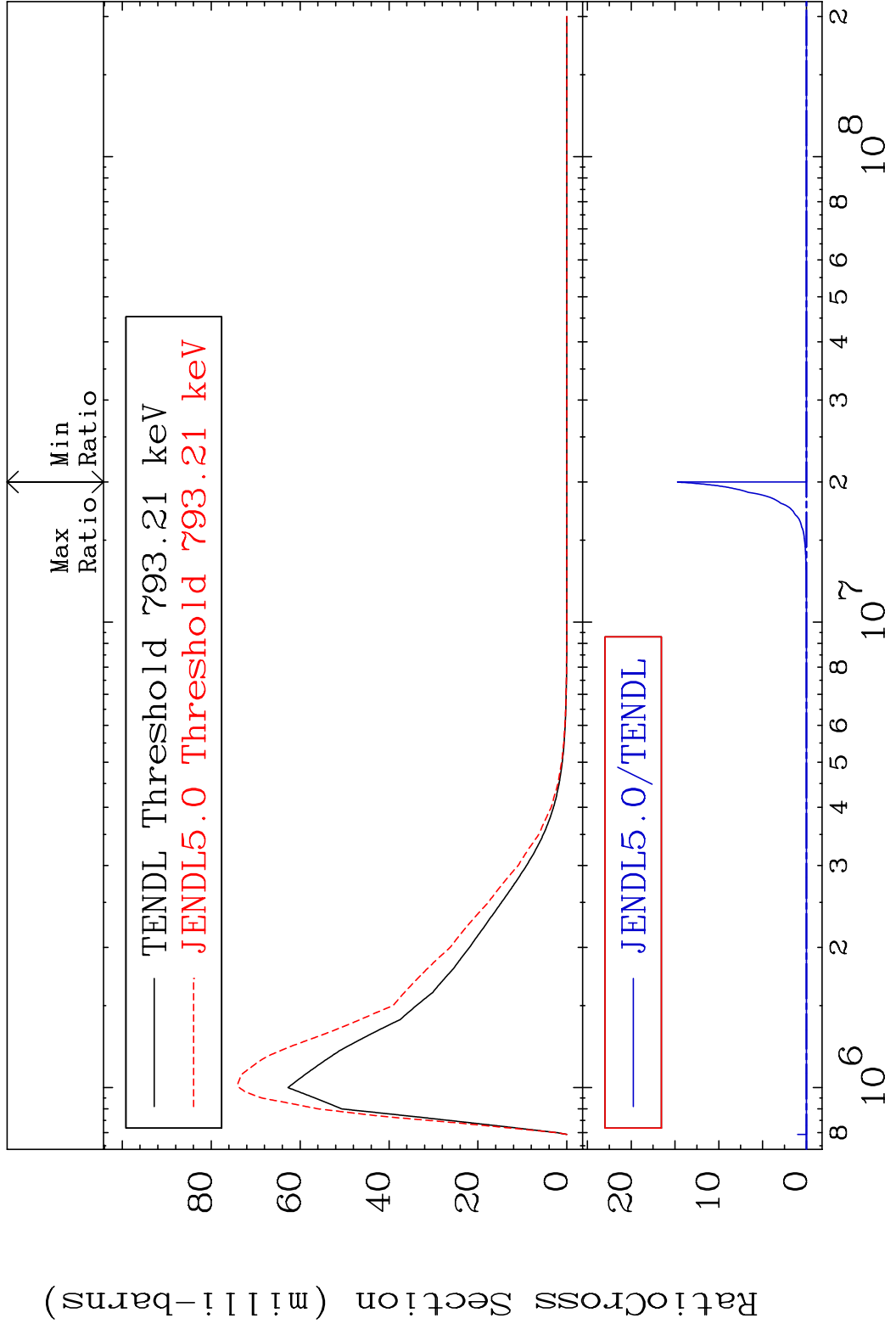
19 19 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 58 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 99.46 %



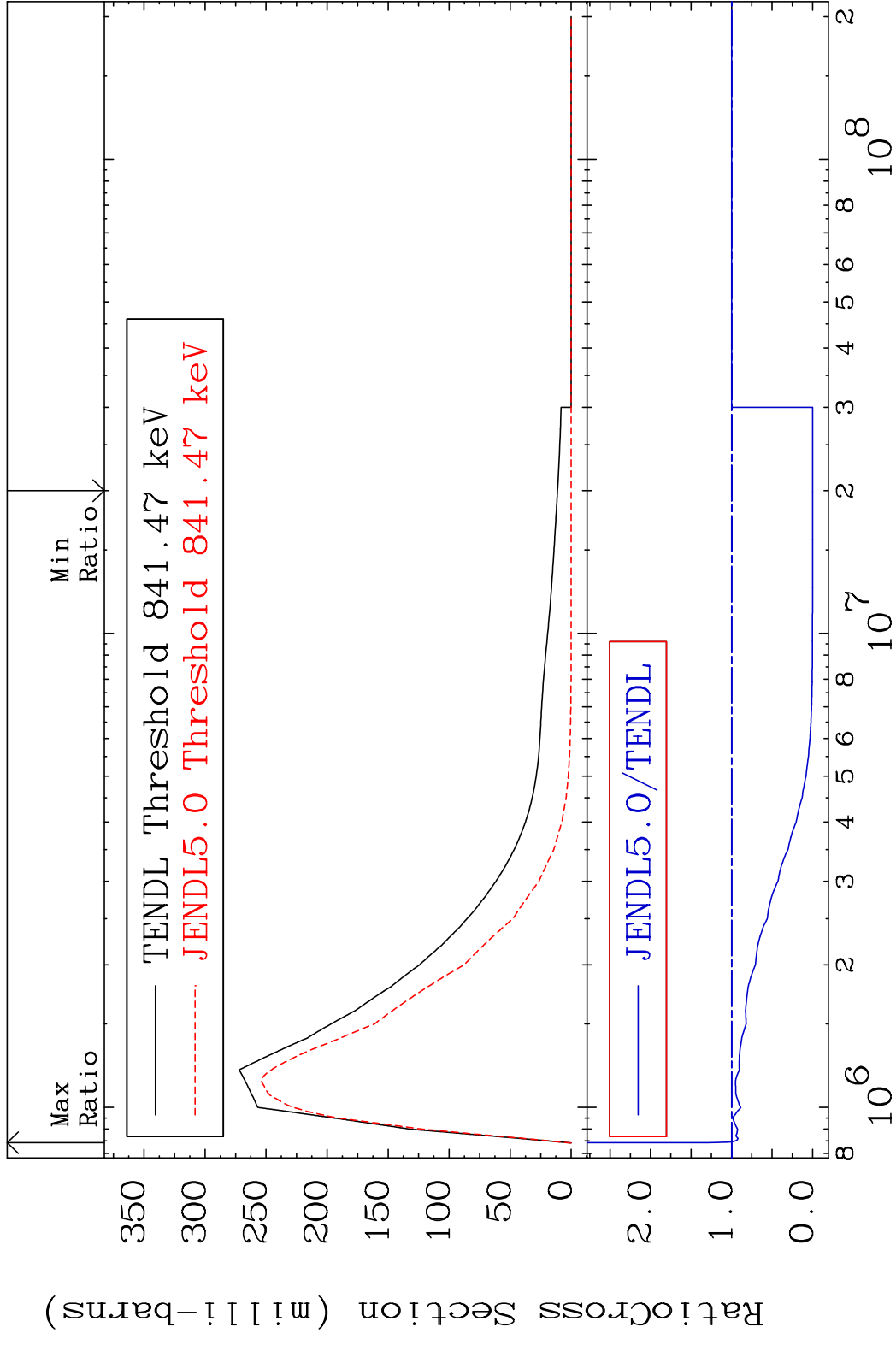
20 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 59 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



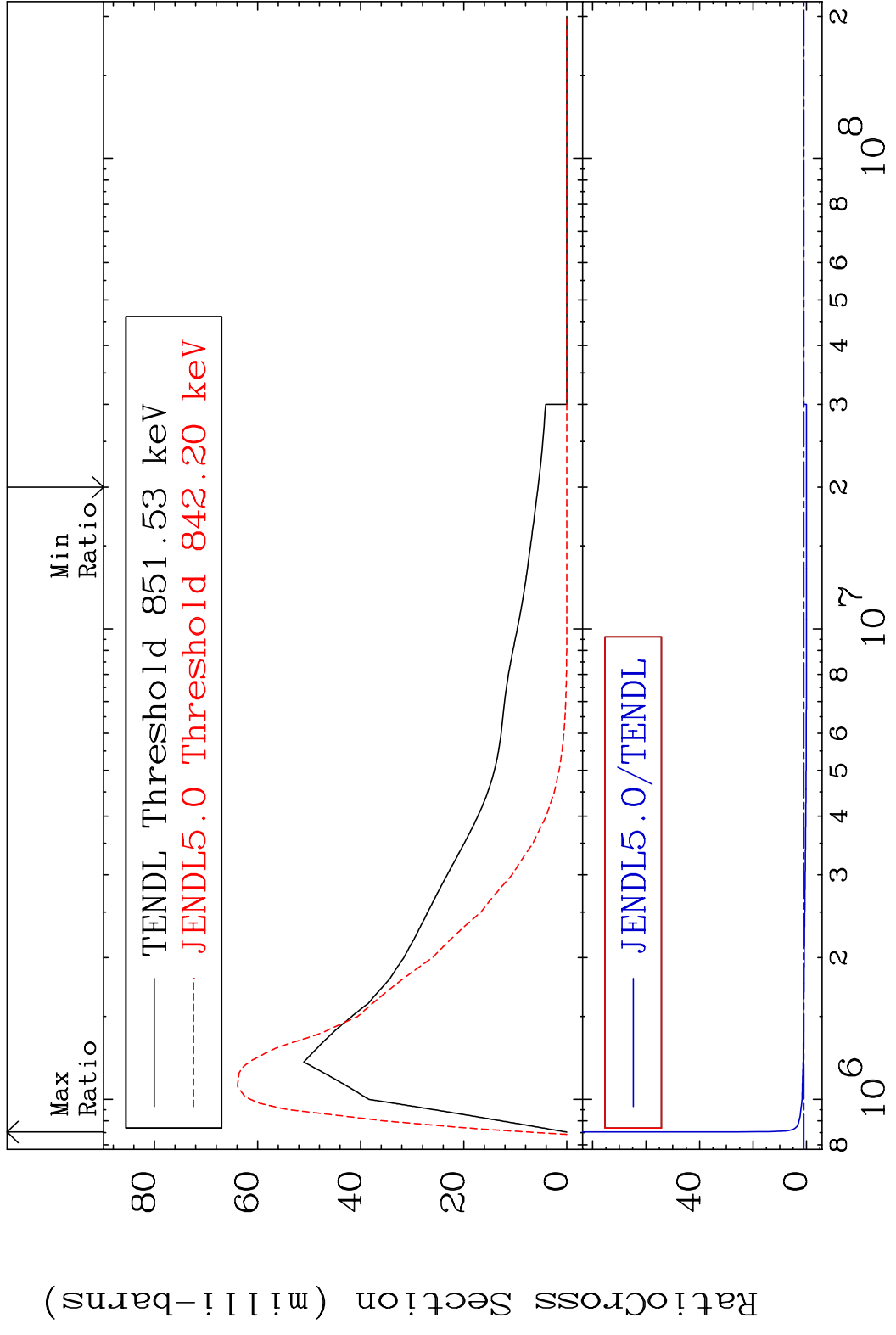
21 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 60 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 60.73 %

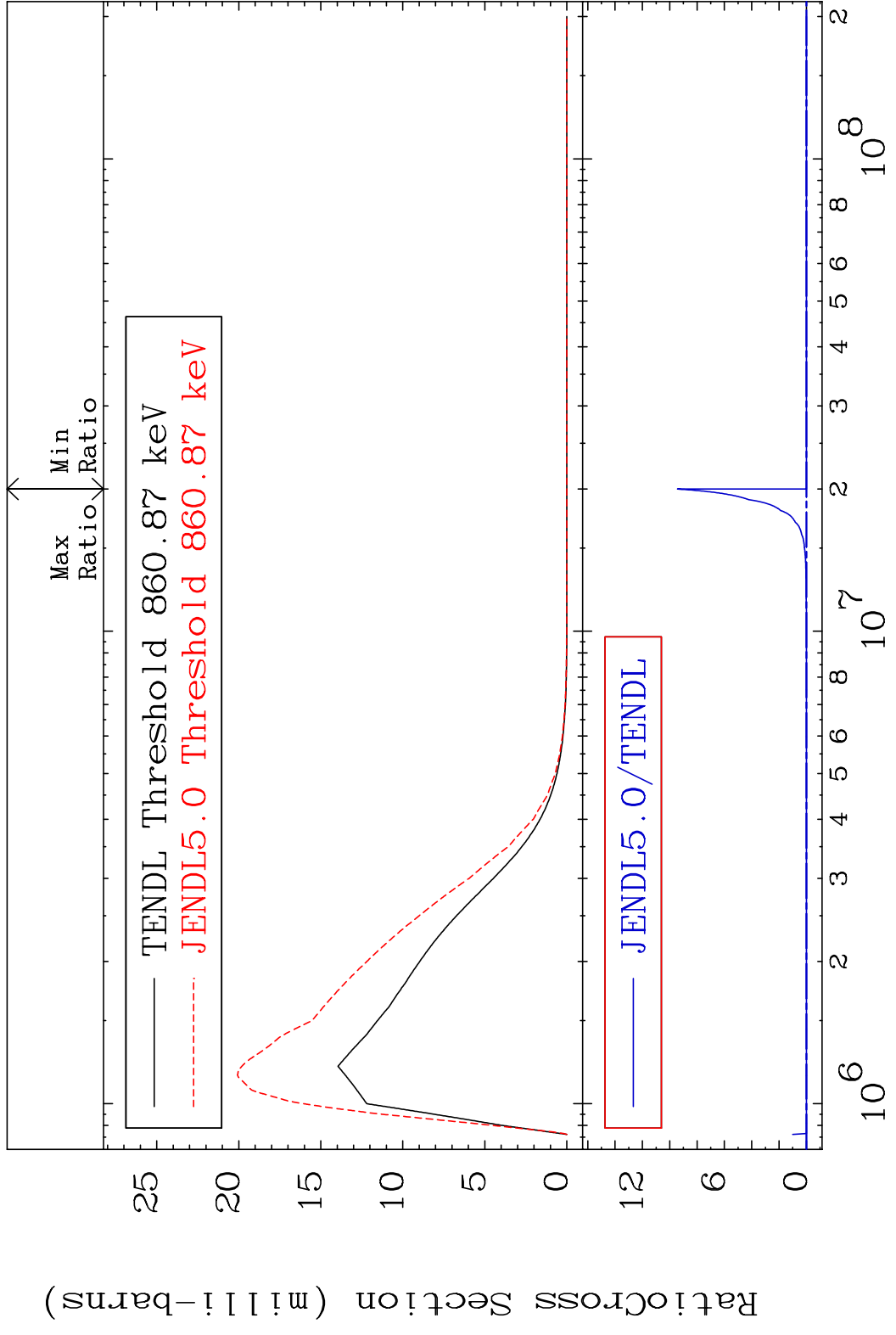


22 43-Tc-97

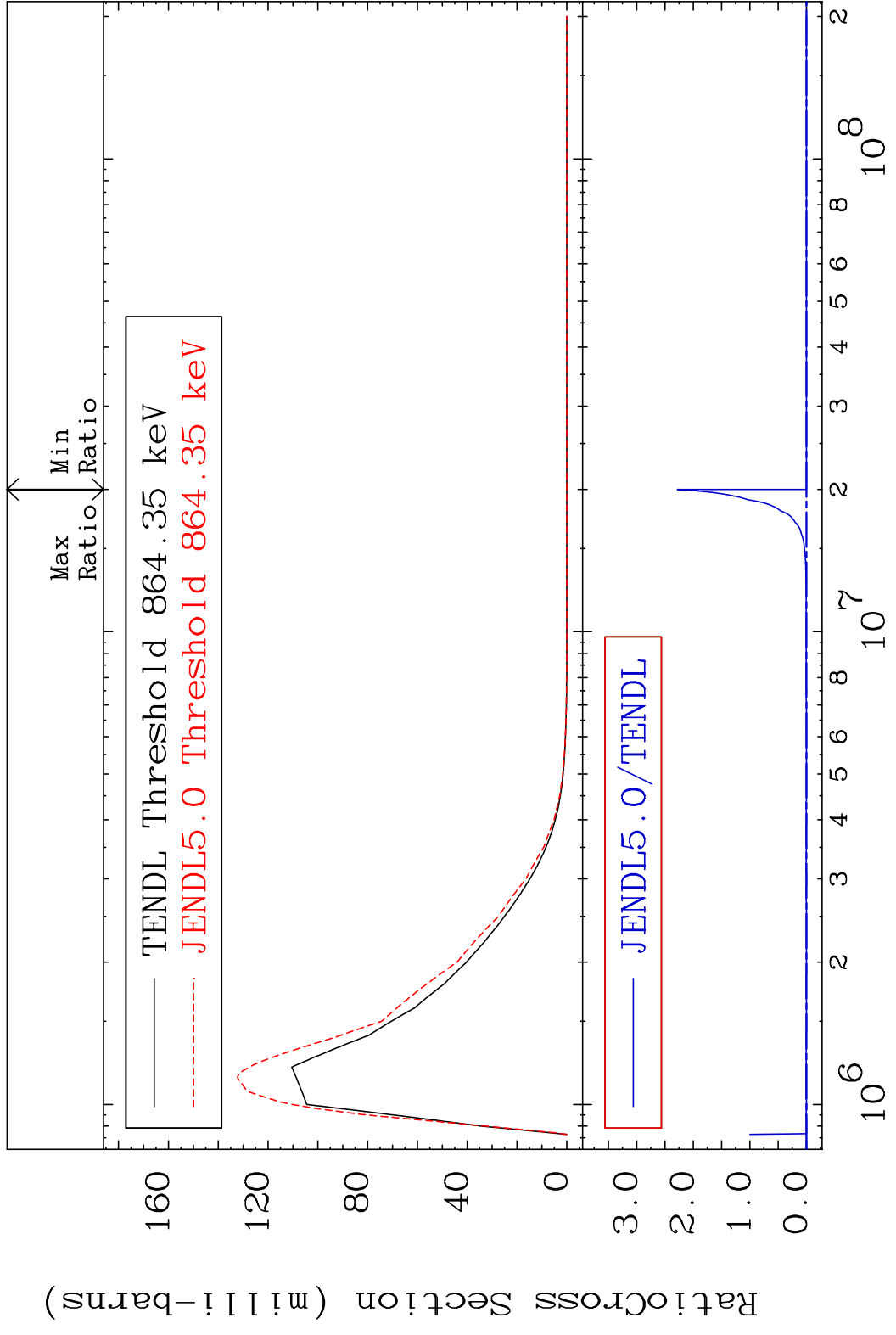
MAT 4319 MT= 61 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 4736. %



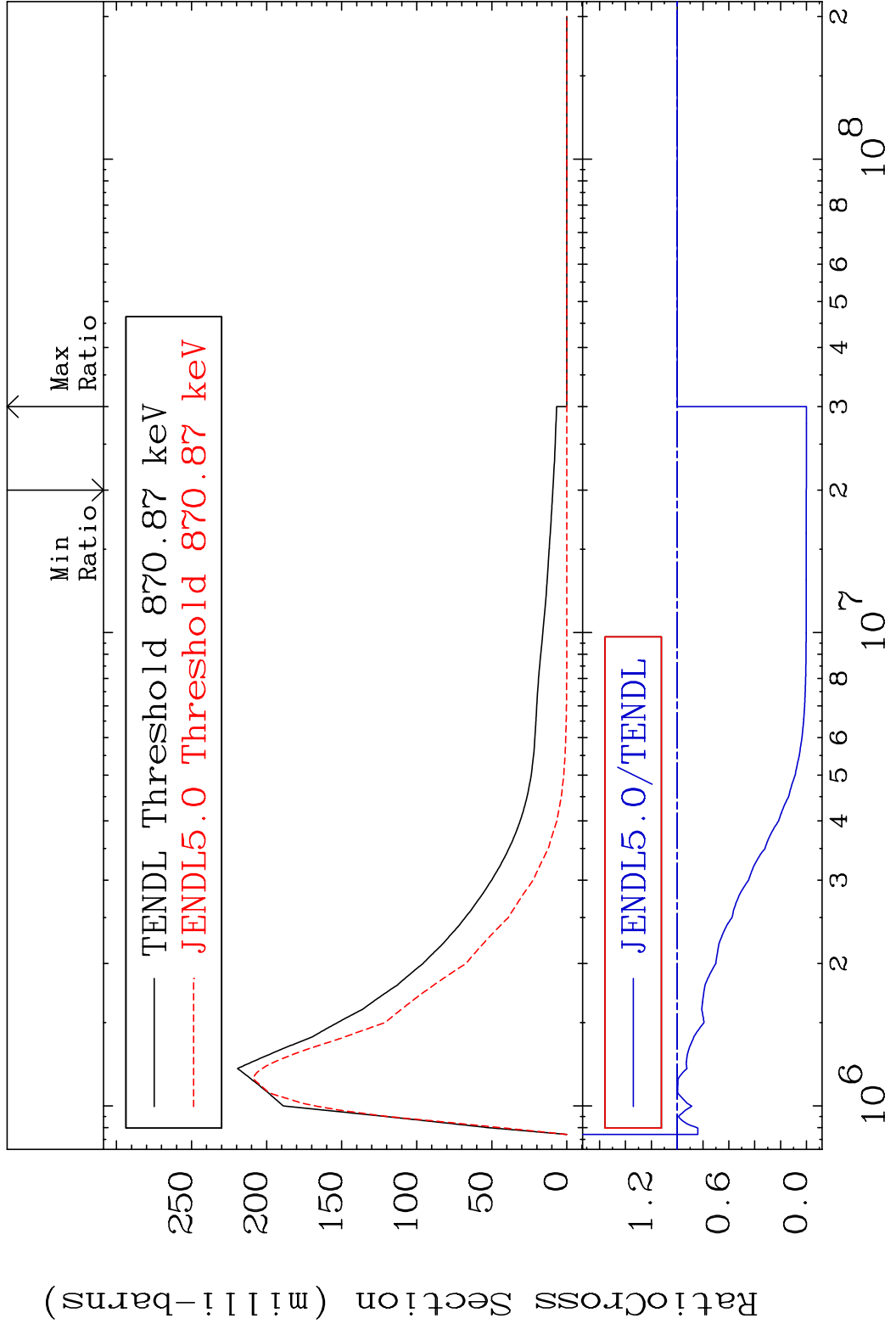
MAT 4319 MT= 62 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



MAT 4319 MT= 63 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %

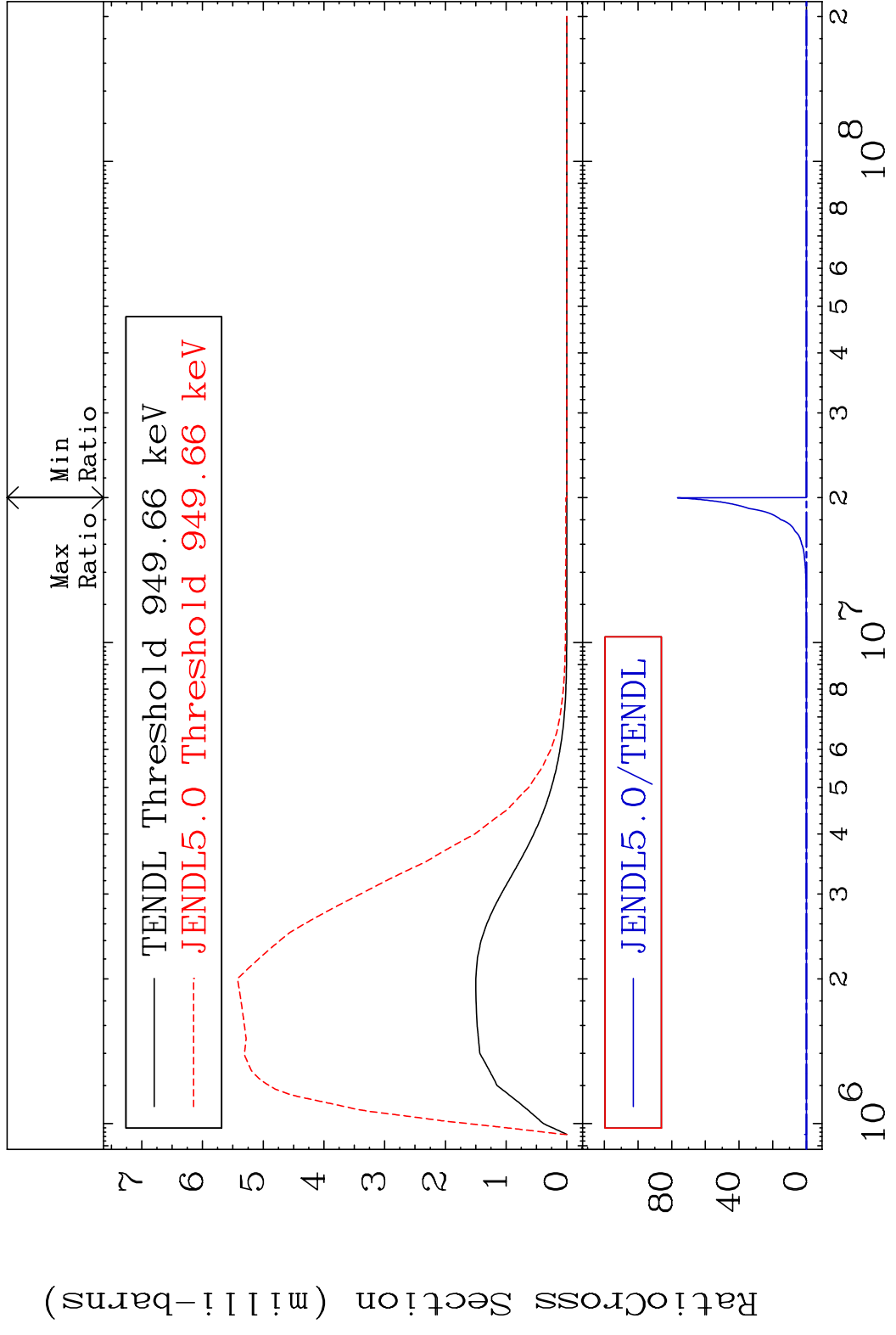


MAT 4319 MT= 64 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 0.000 %



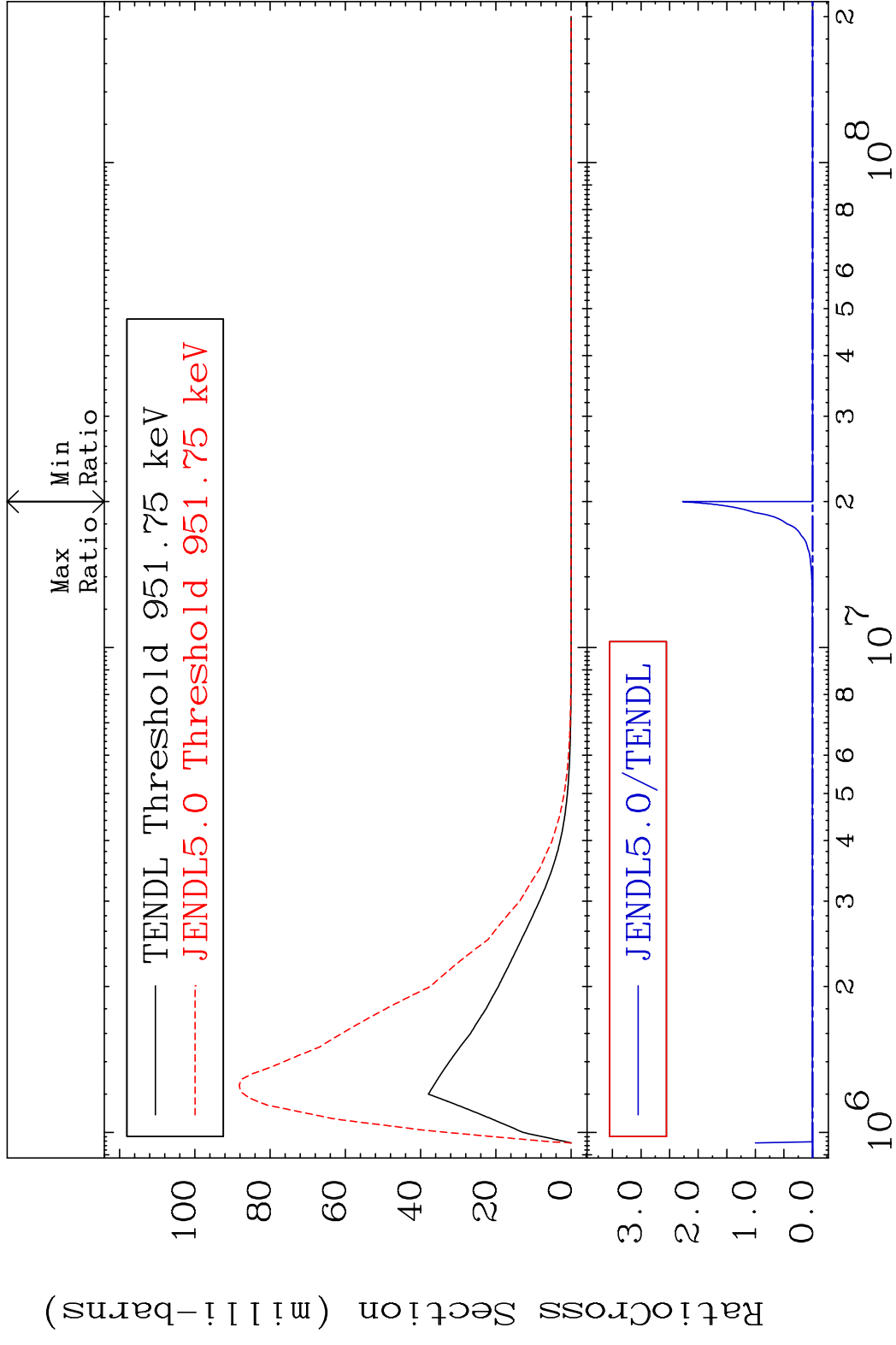
26 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 65 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



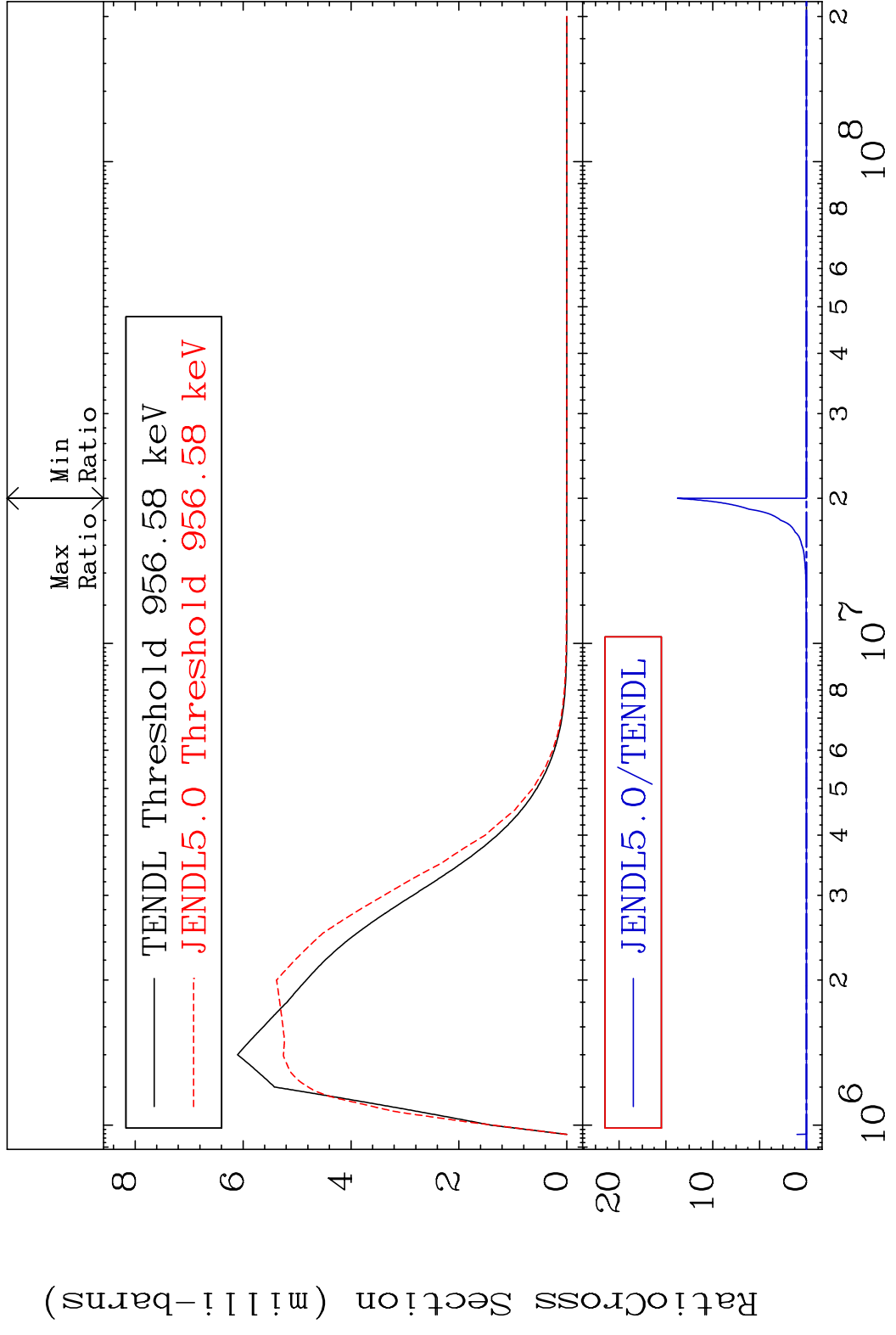
27 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 66 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



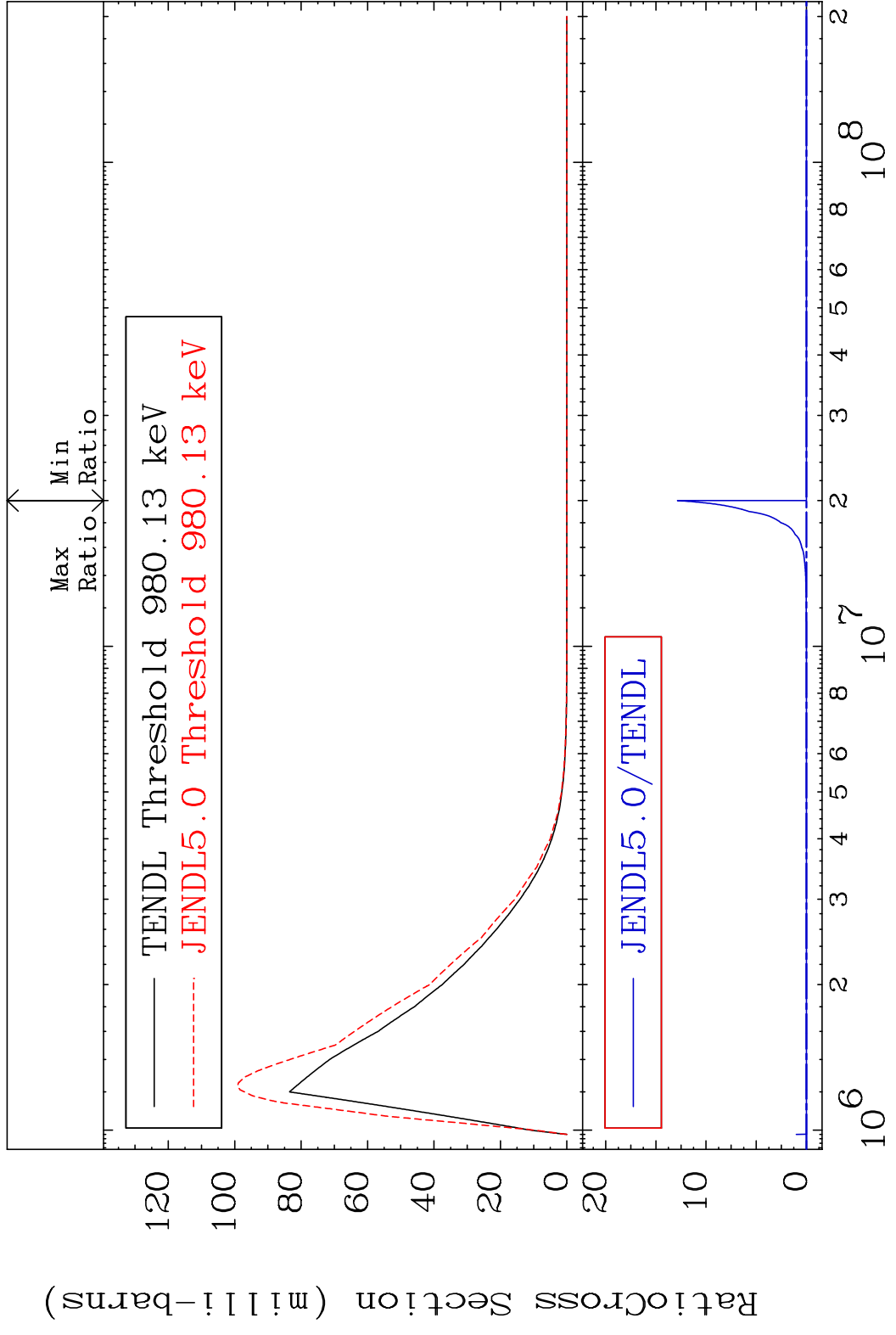
28 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 67 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



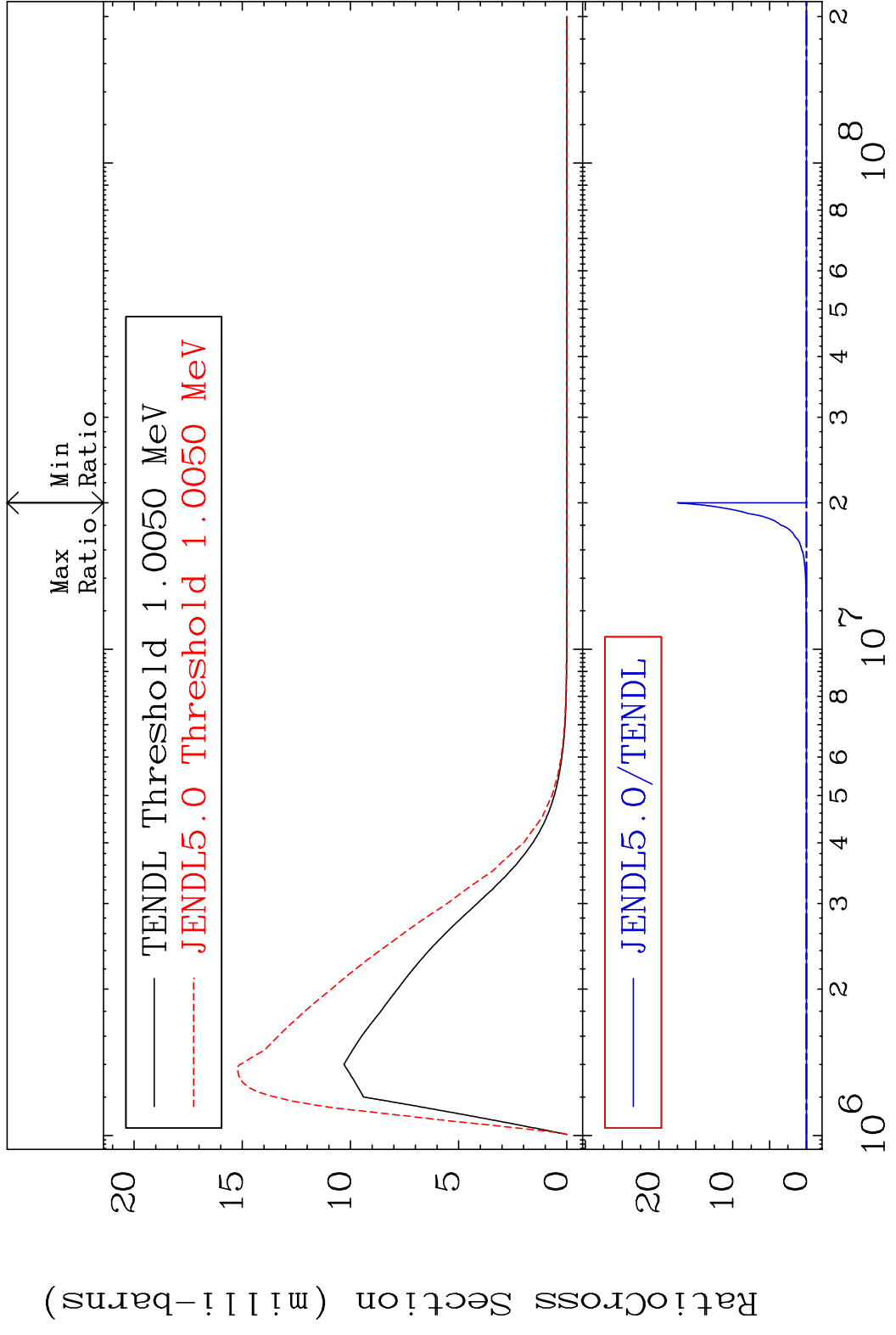
29 43-Tc-97

MAT 4319 MT= 68 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



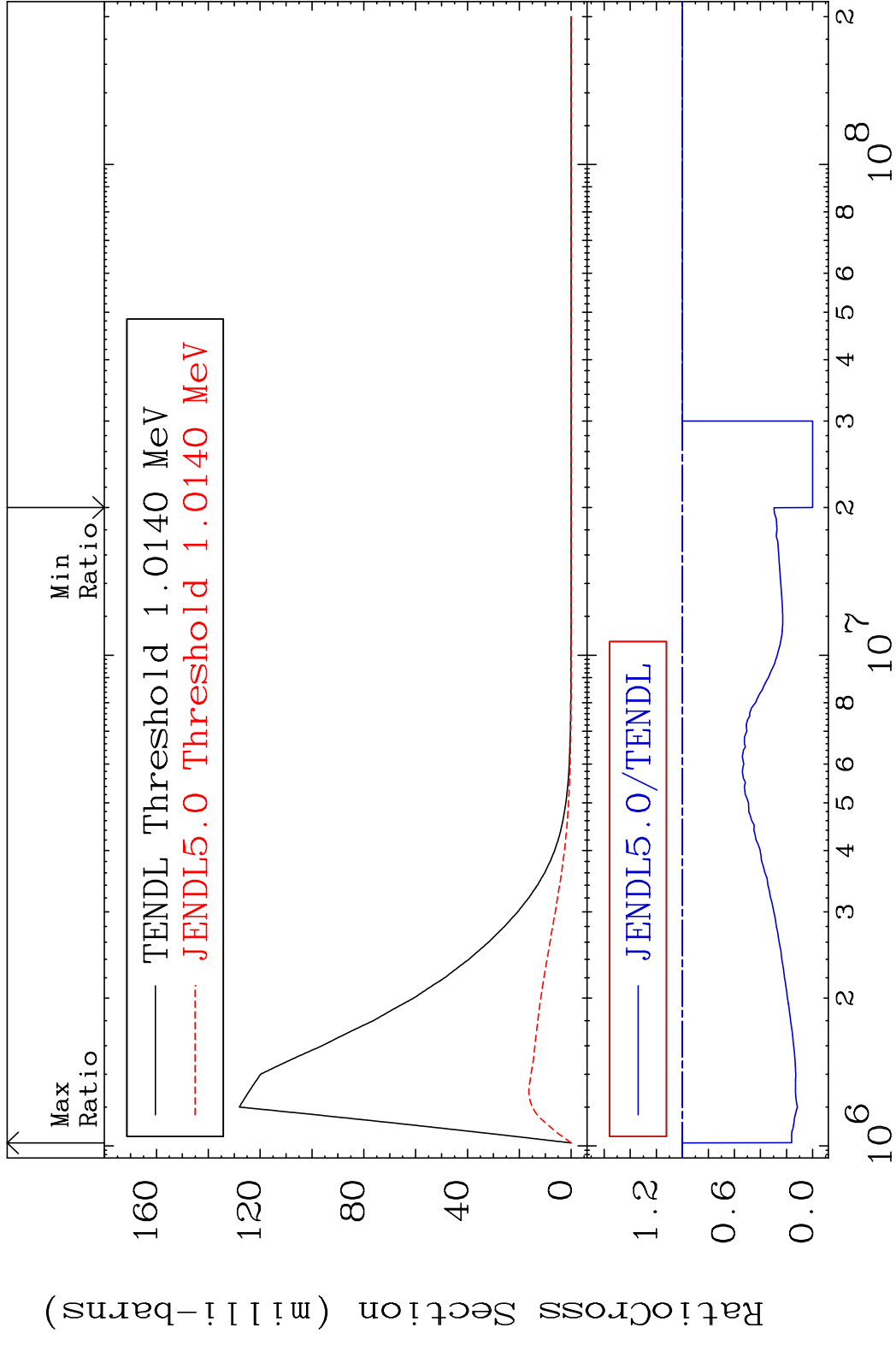
30 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 69 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



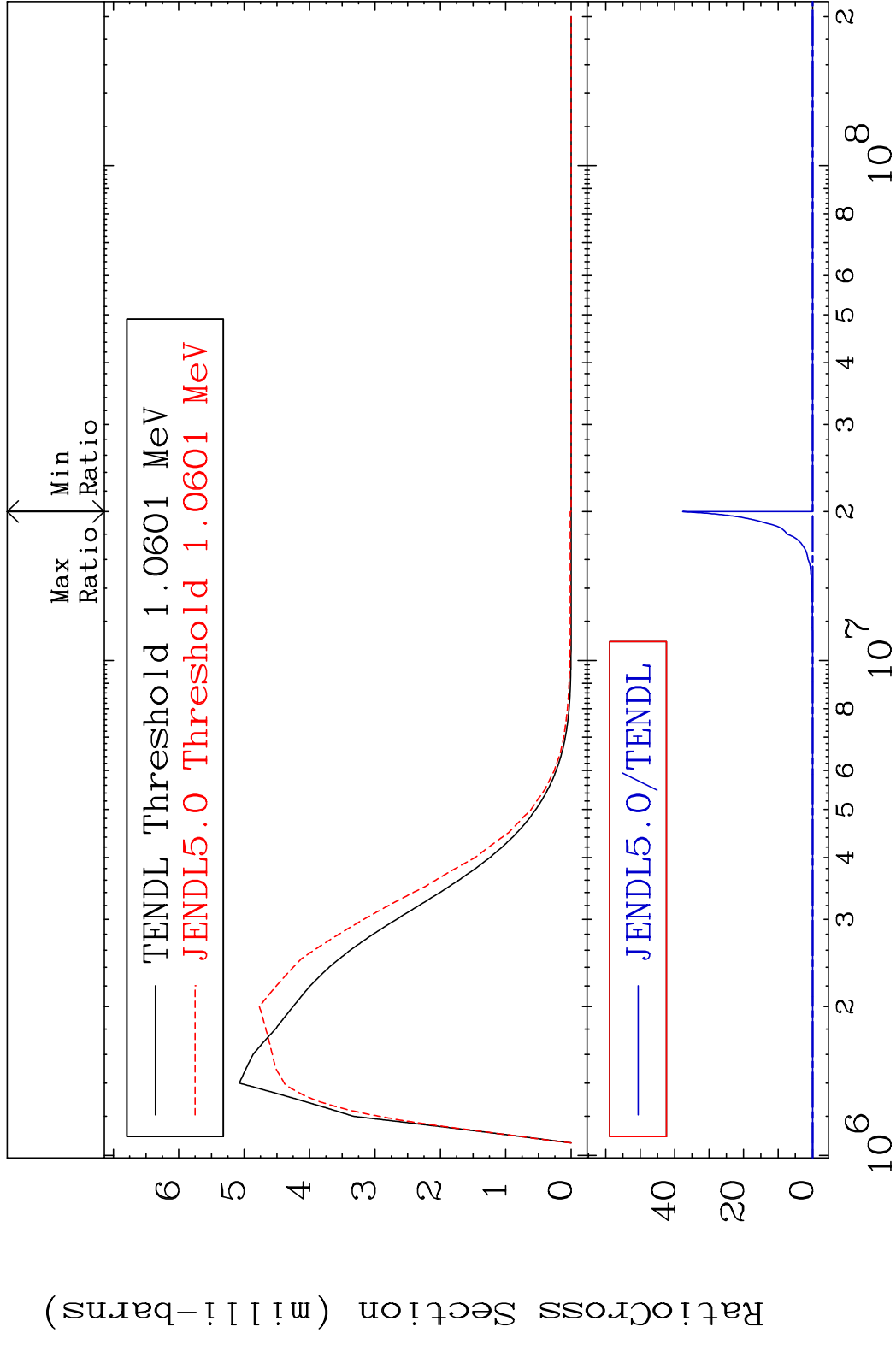
31 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 70 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 0.000 %



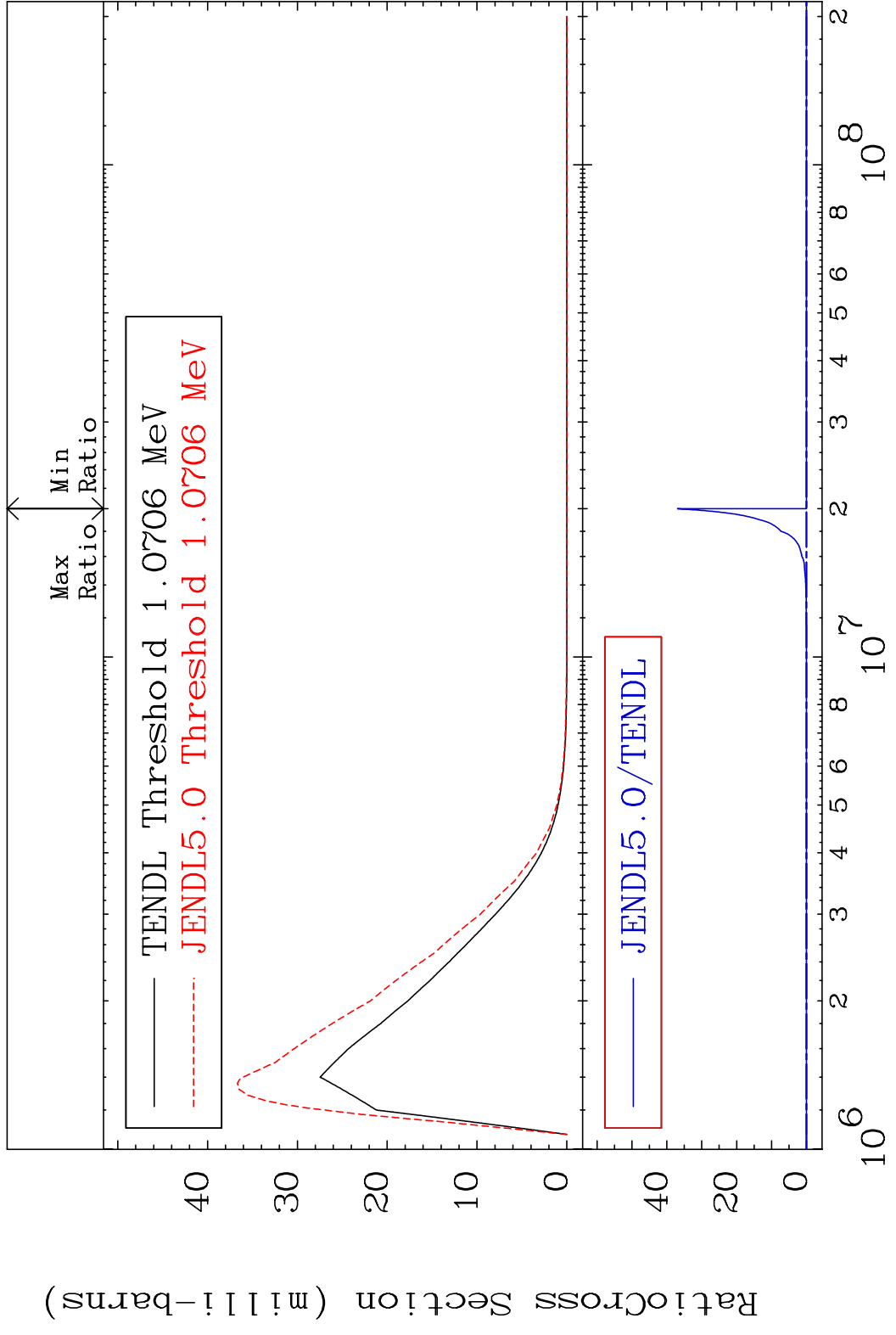
32 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 71 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



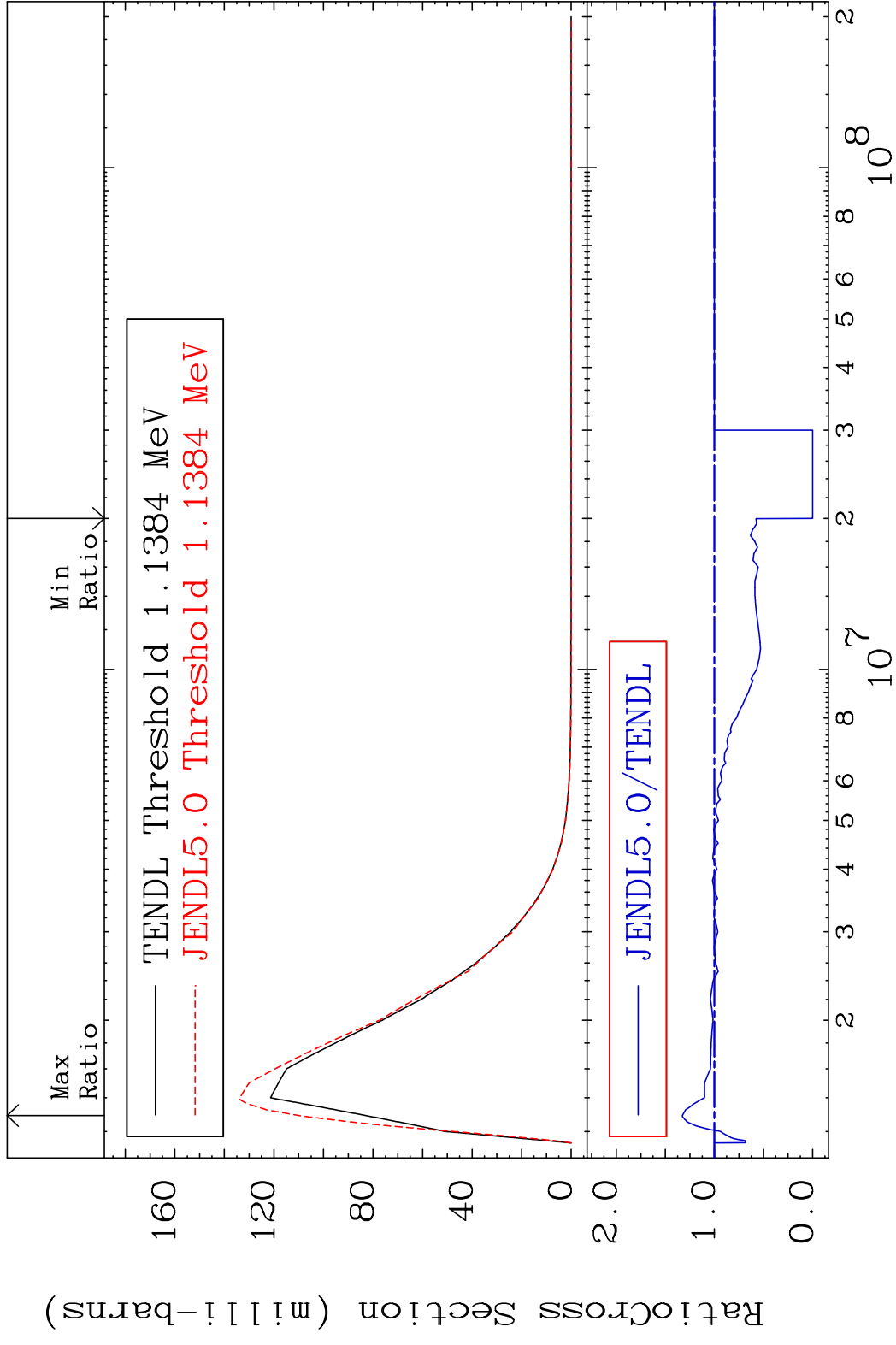
33 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 72 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %

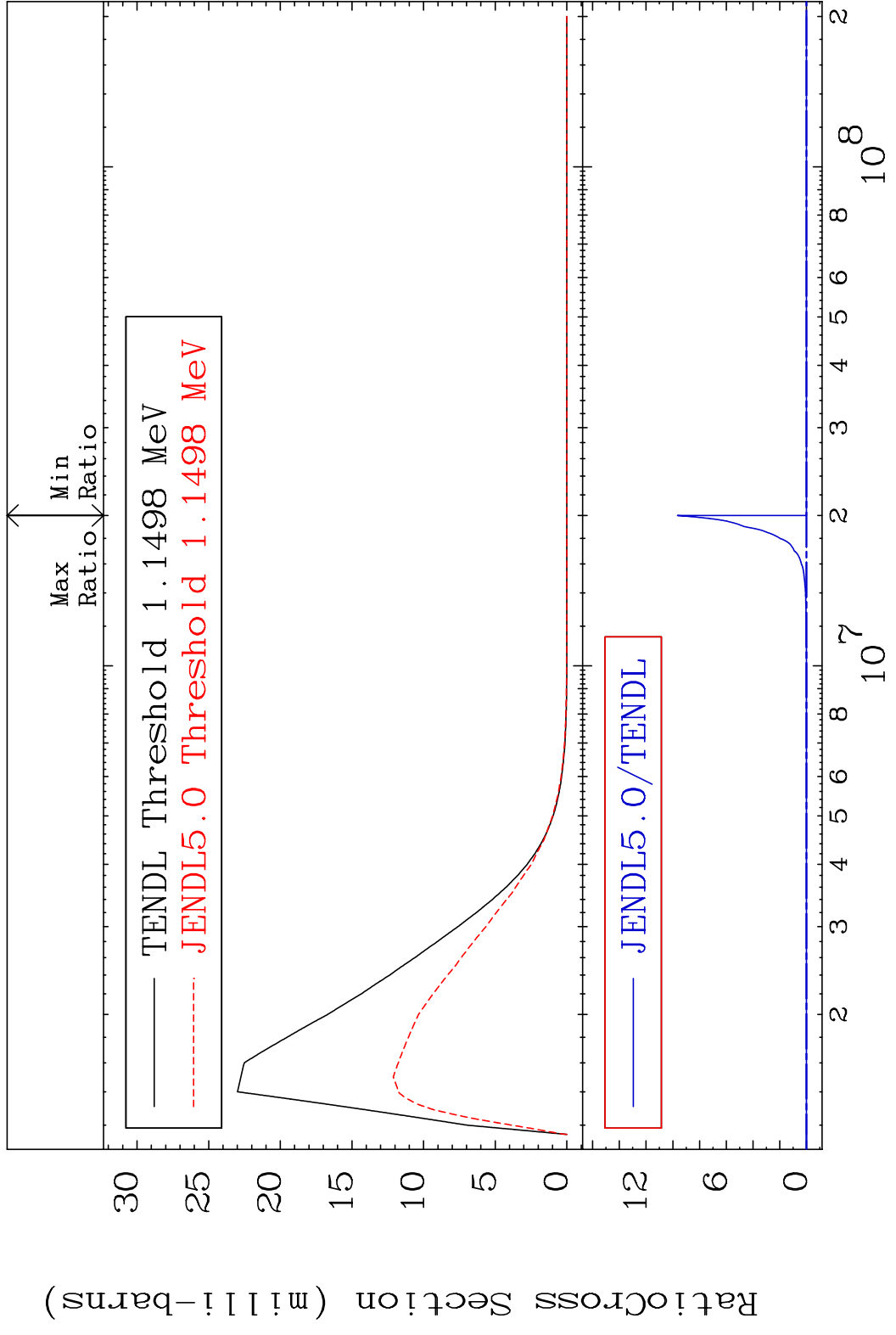


34 Incident Energy (eV) 43-Tc-97

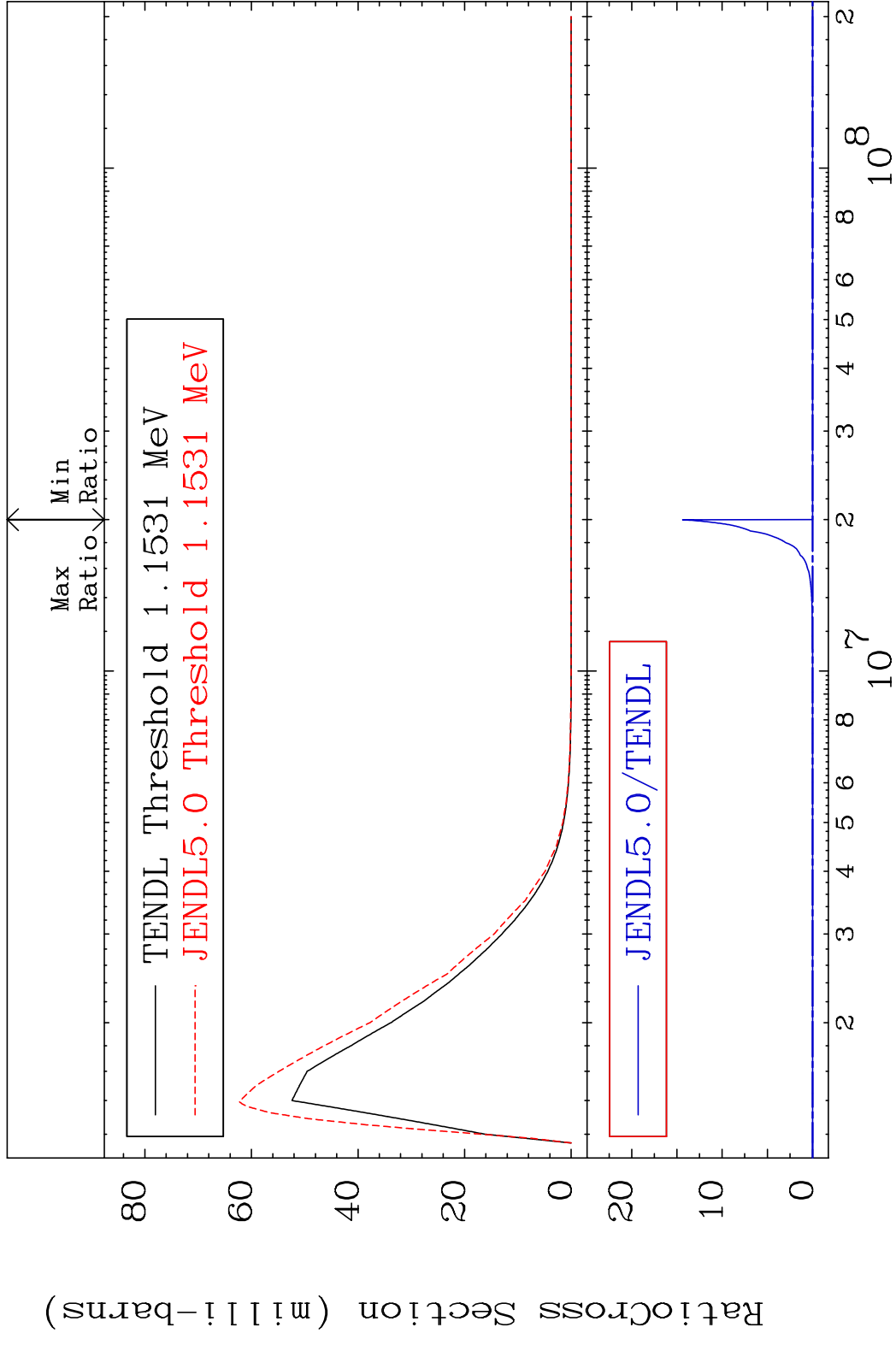
MAT 4319 MT= 73 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 32.65 %



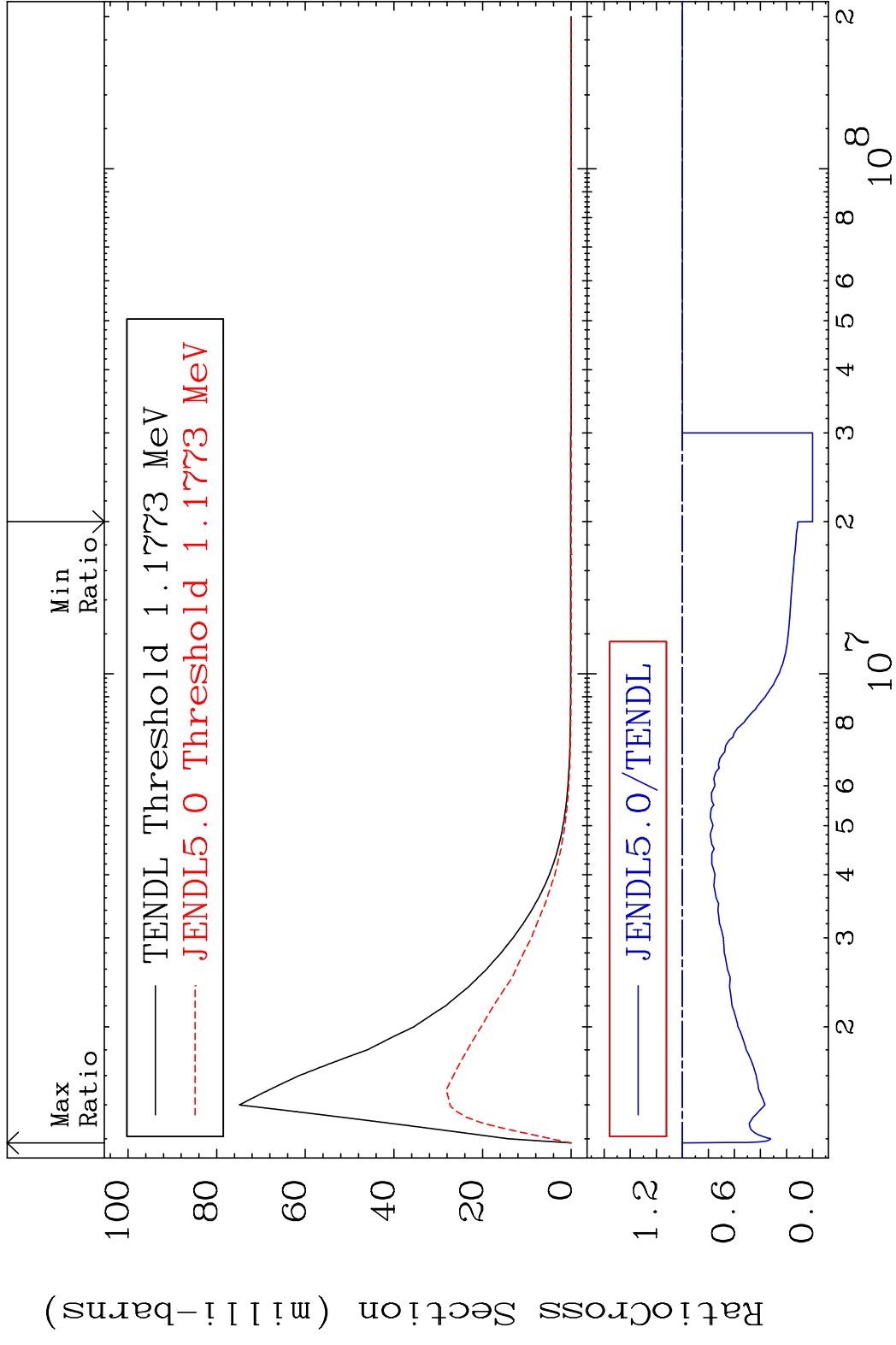
MAT 4319 MT= 74 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



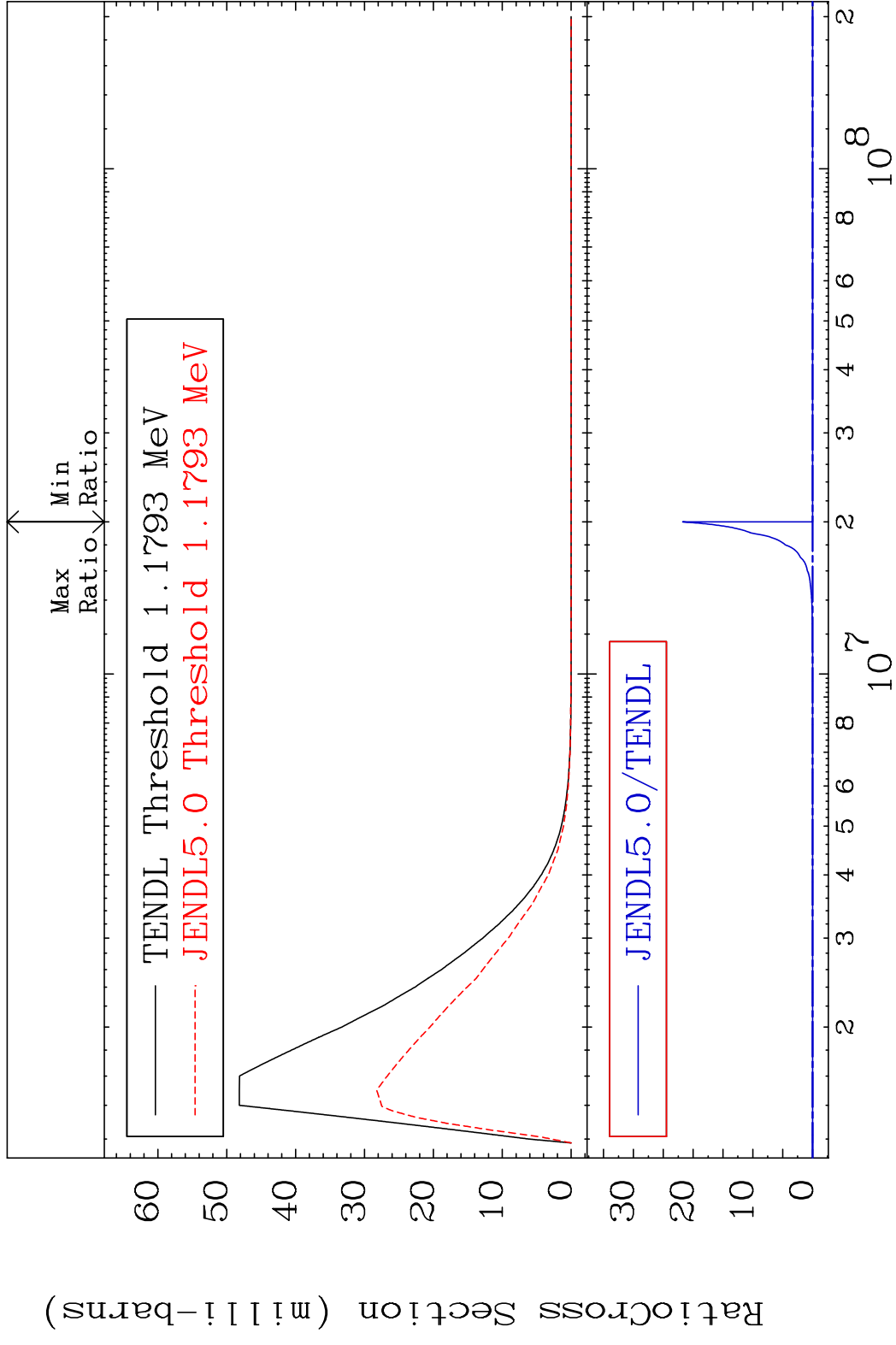
MAT 4319 MT= 75 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



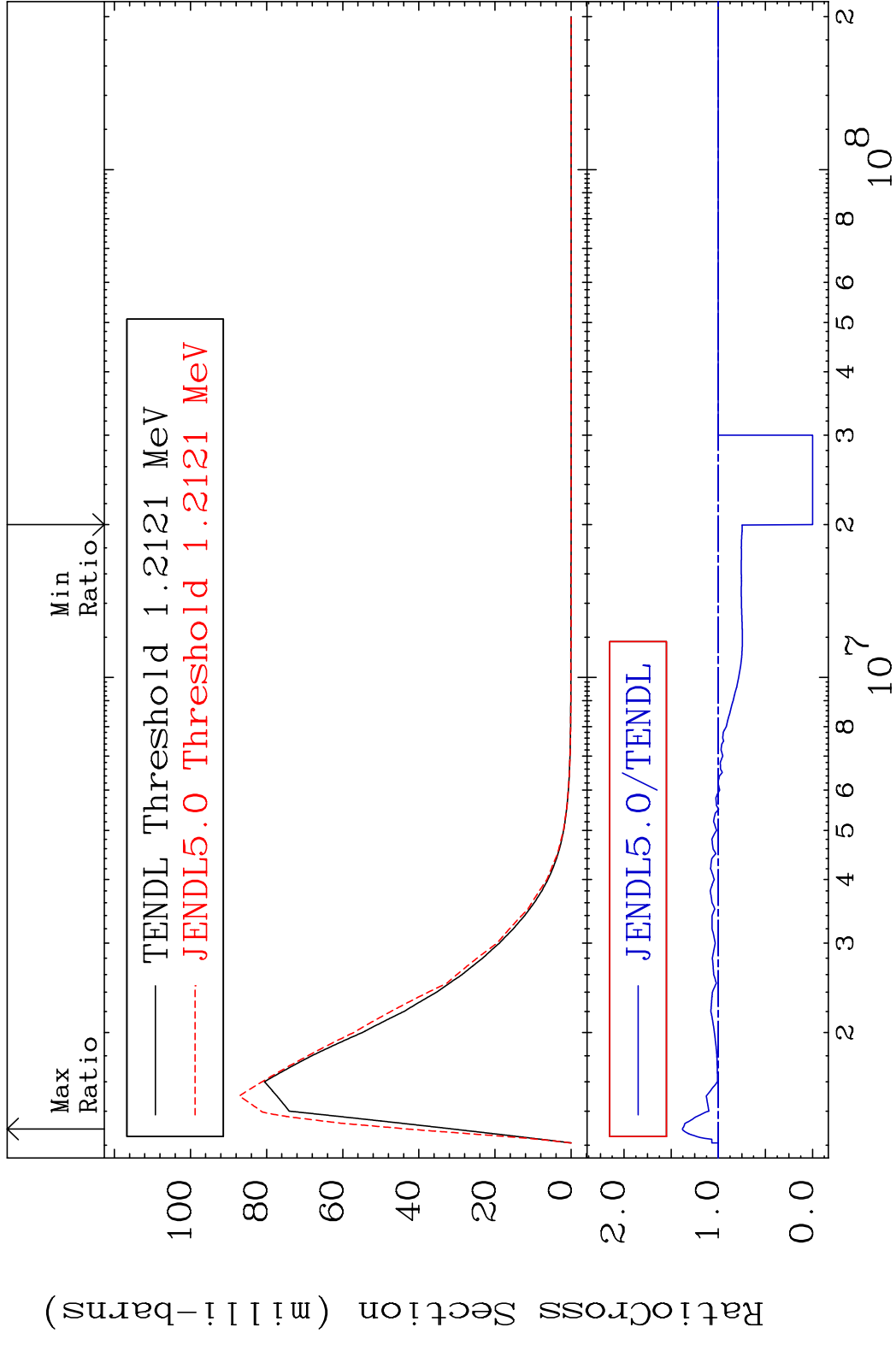
MAT 4319 MT= 76 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 0.000 %



MAT 4319 MT= 77 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %

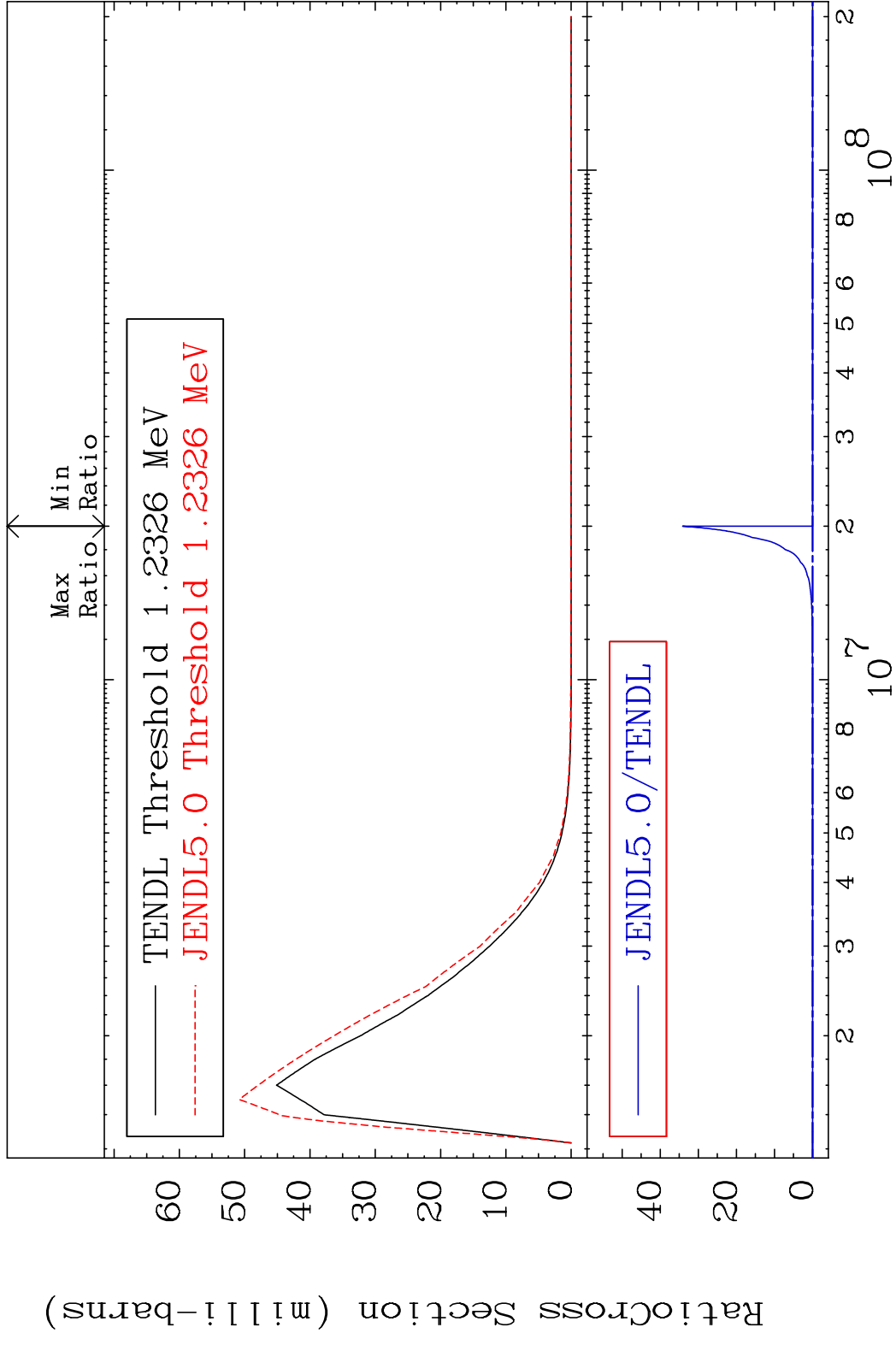


MAT 4319 MT= 78 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 38.10 %

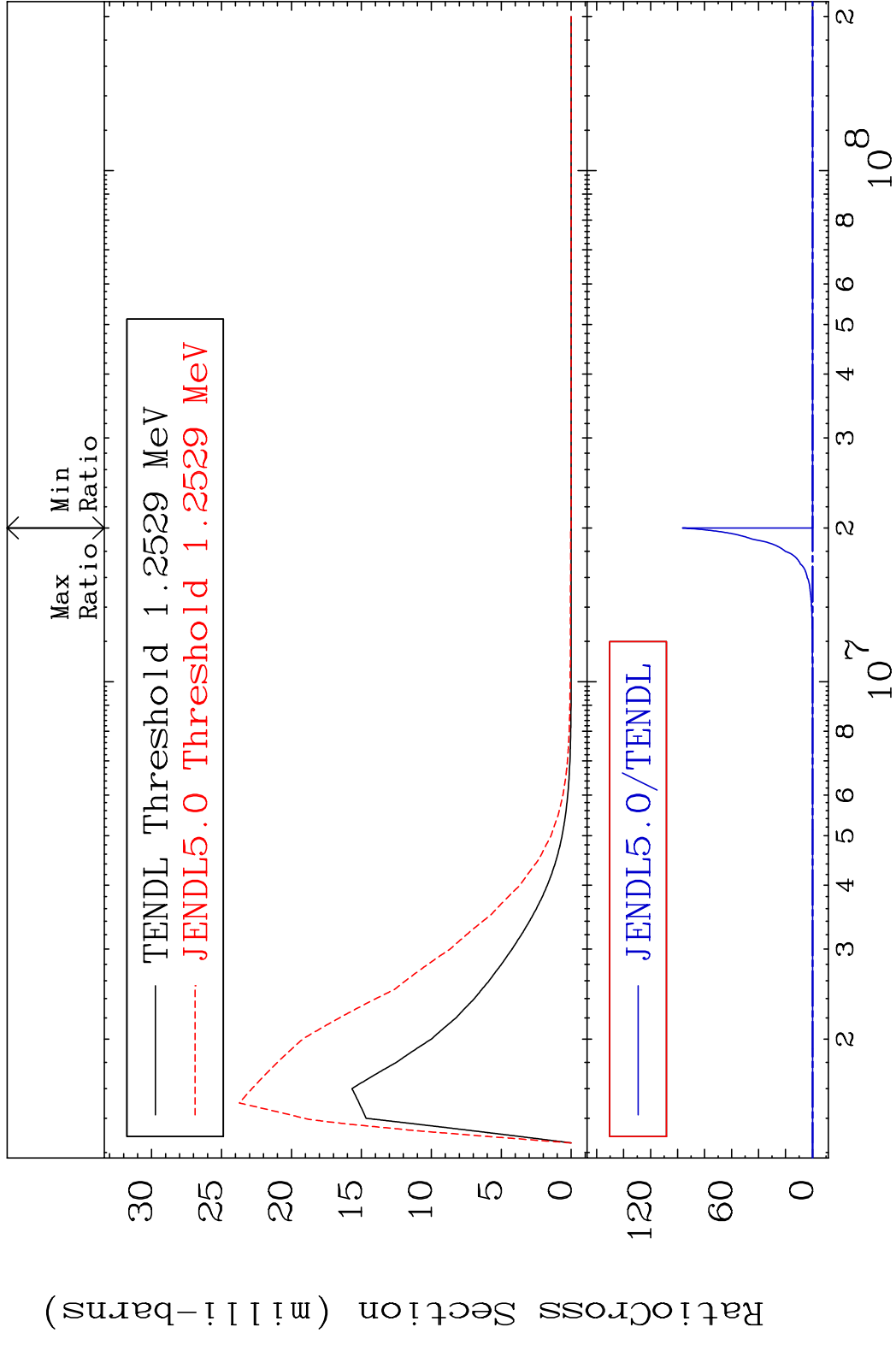


40 Incident Energy (eV) 43-Tc-97

MAT 4319 MT= 79 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %

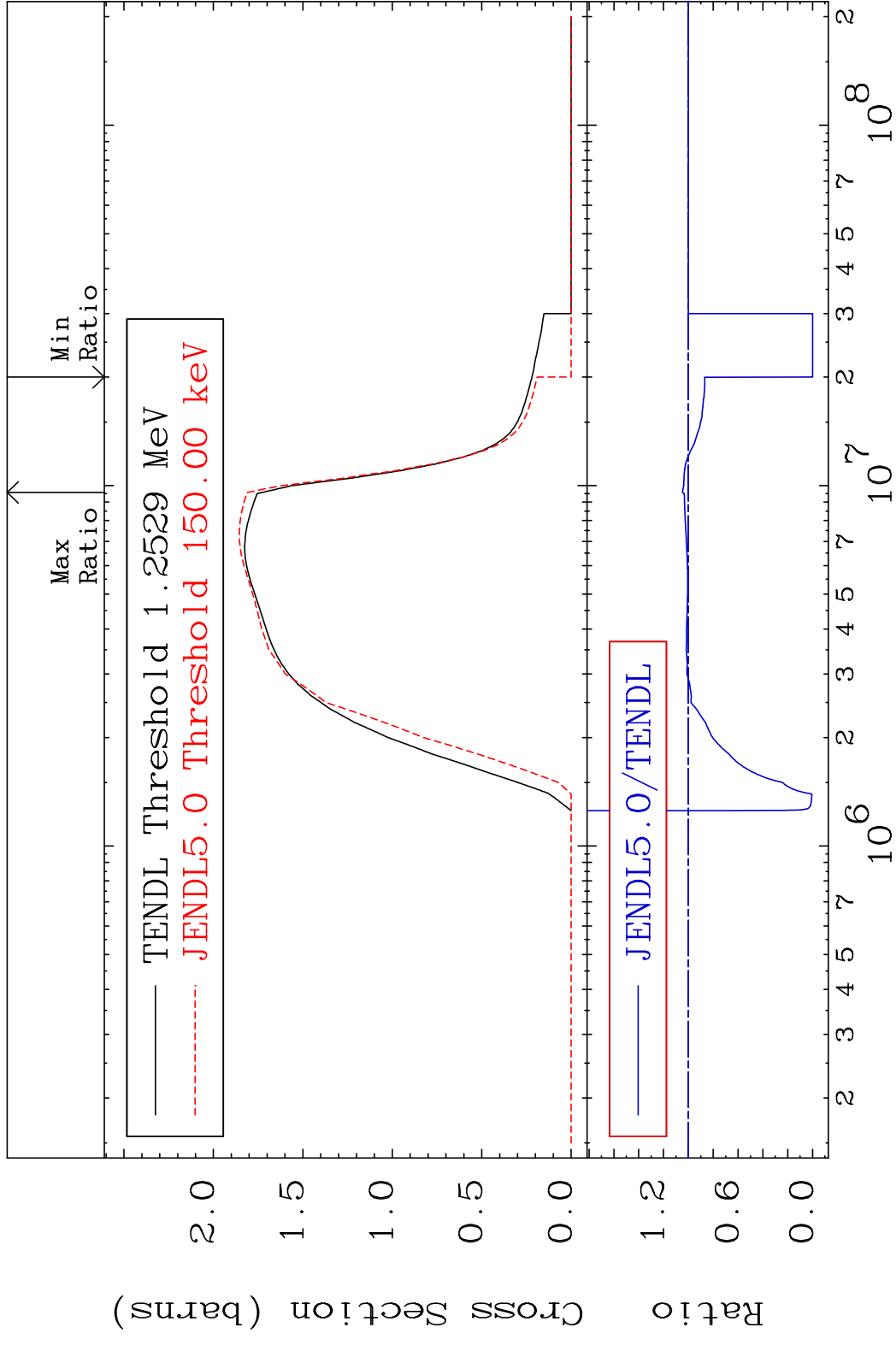


MAT 4319 MT= 80 (n, n') Level 43-Tc-97
 Cross Section -100.0 To 9999. %



42 43-Tc-97

MAT 4319 (n, n') Continuum 43-Tc-97
 Cross Section -100.0 To 4.855 %



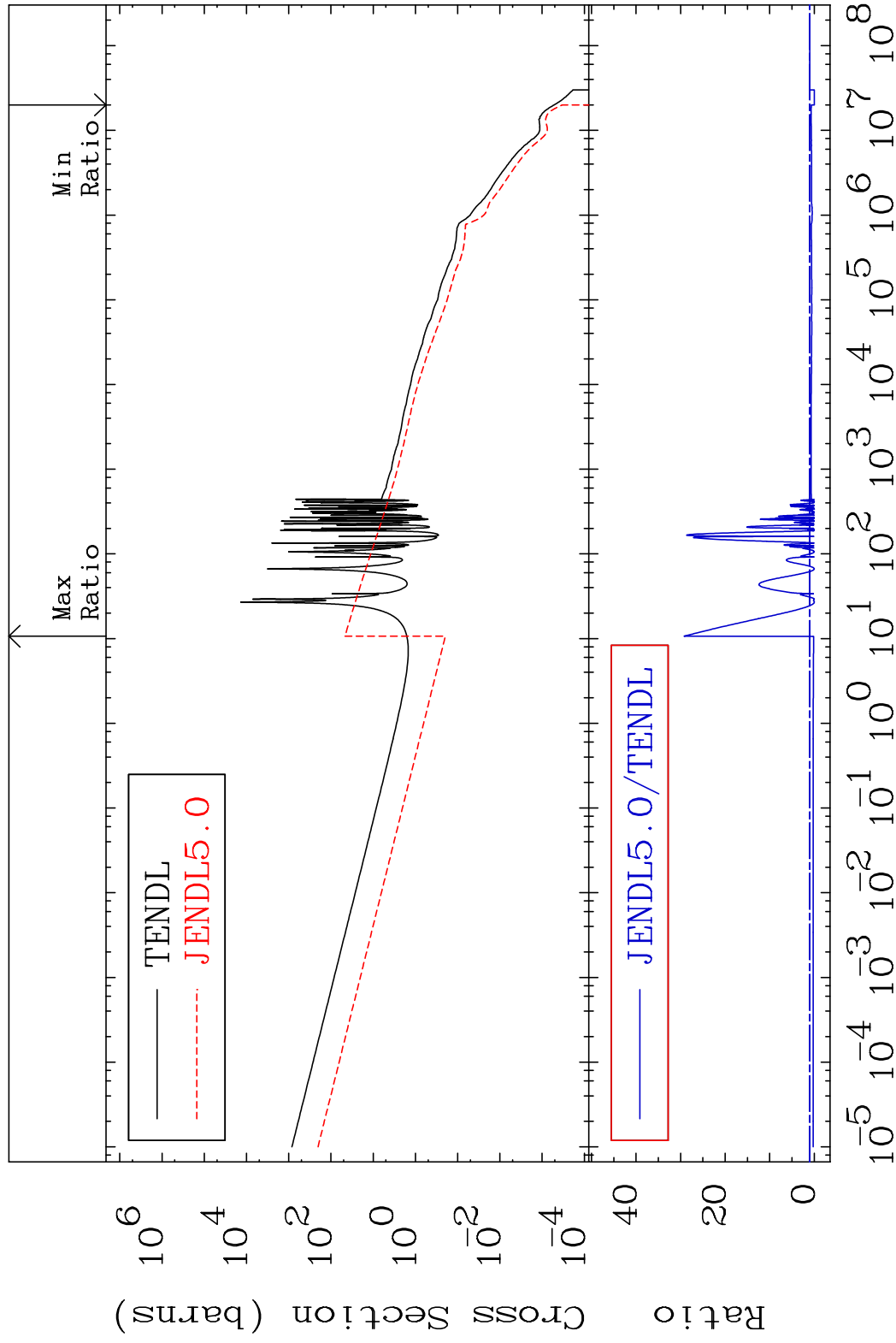
43 Incident Energy (eV) 43-Tc-97

MAT 4319

(n, γ)

43-Tc-97

Cross Section -100.0 To 2823. %



44

Incident Energy (eV)

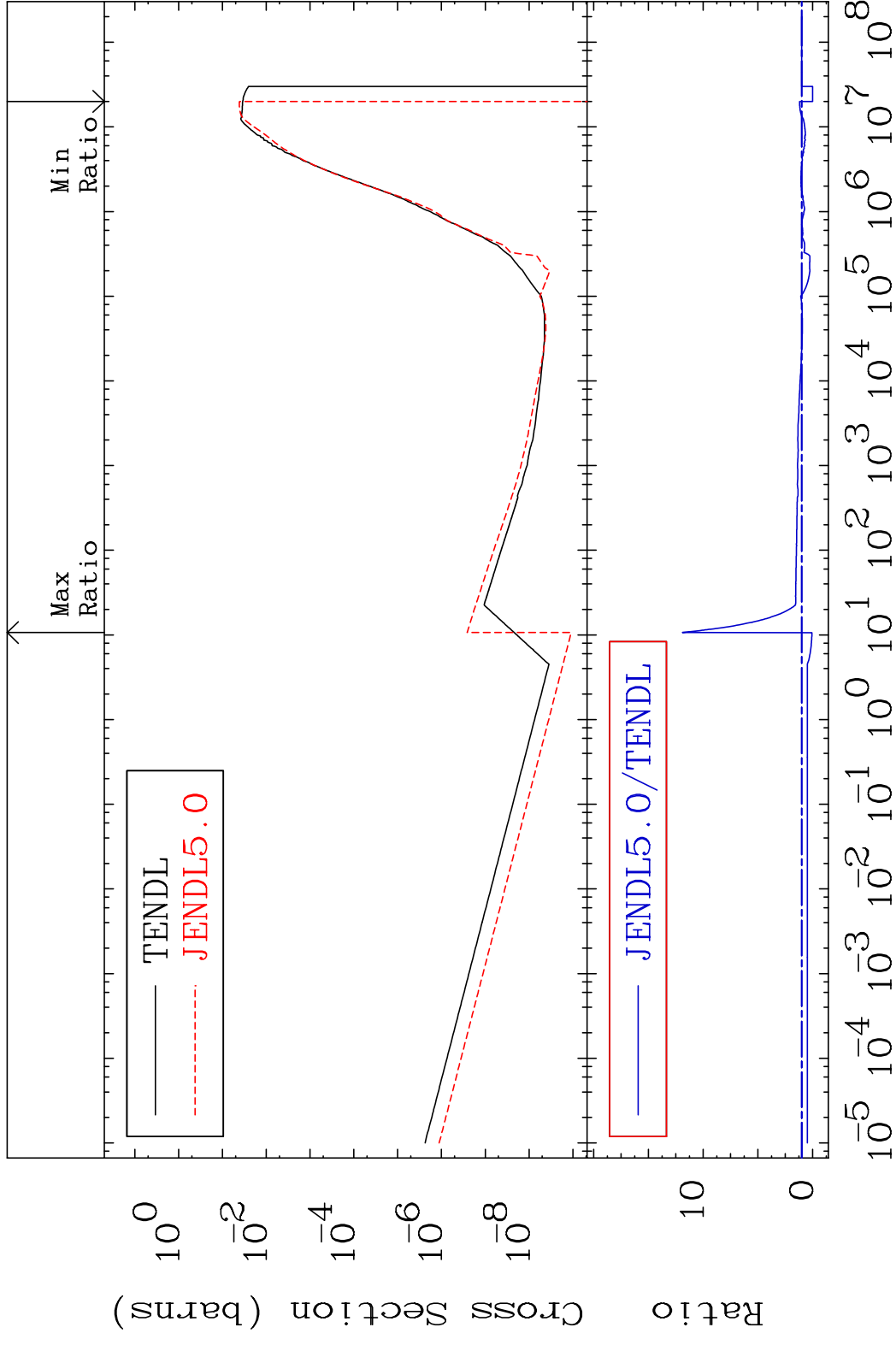
43-Tc-97

MAT 4319

(n, p)

43-Tc-97

Cross Section -100.0 To 1089. %



45

Incident Energy (eV)

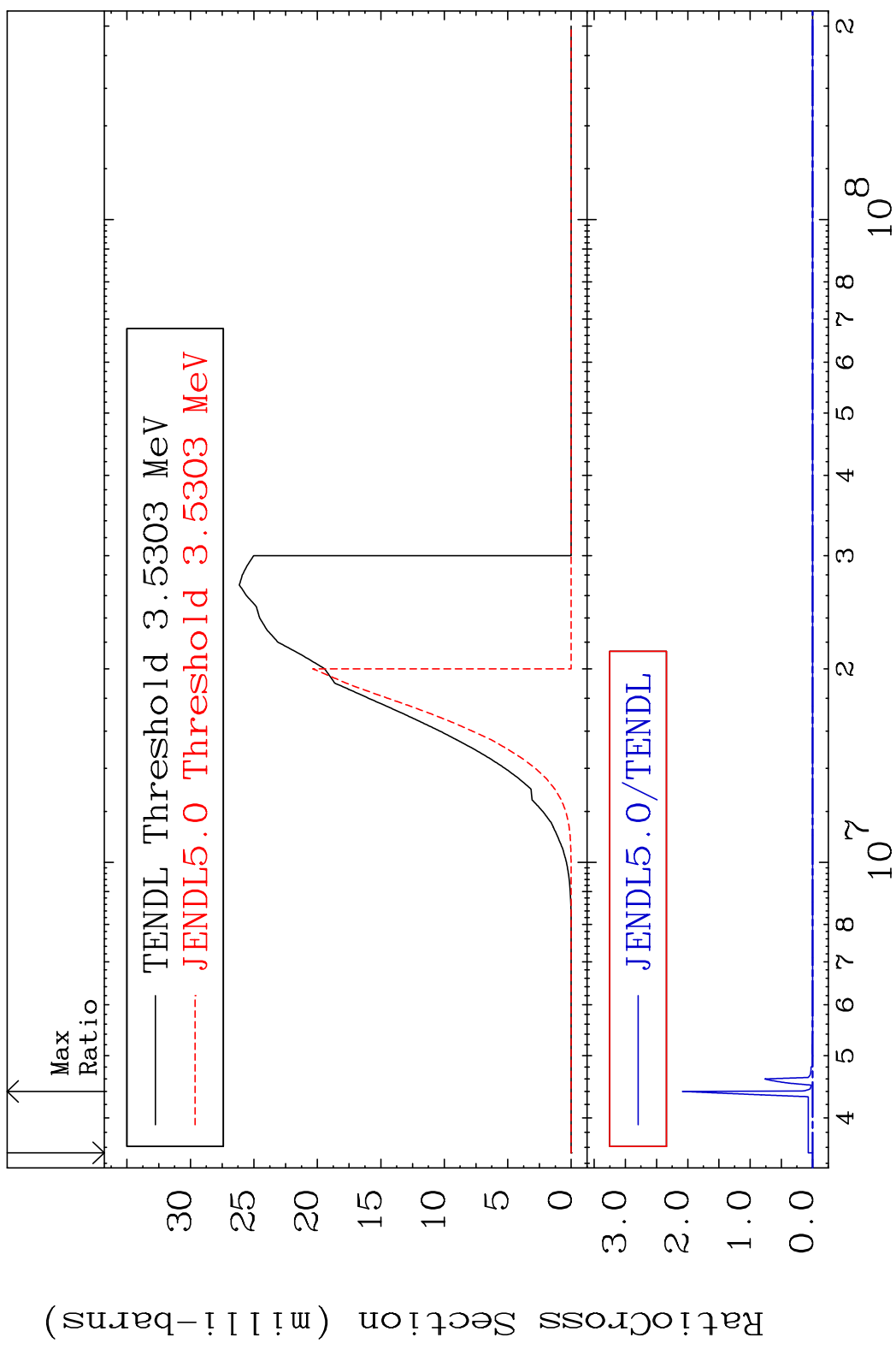
43-Tc-97

MAT 4319

(n,d)

43-Tc-97

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

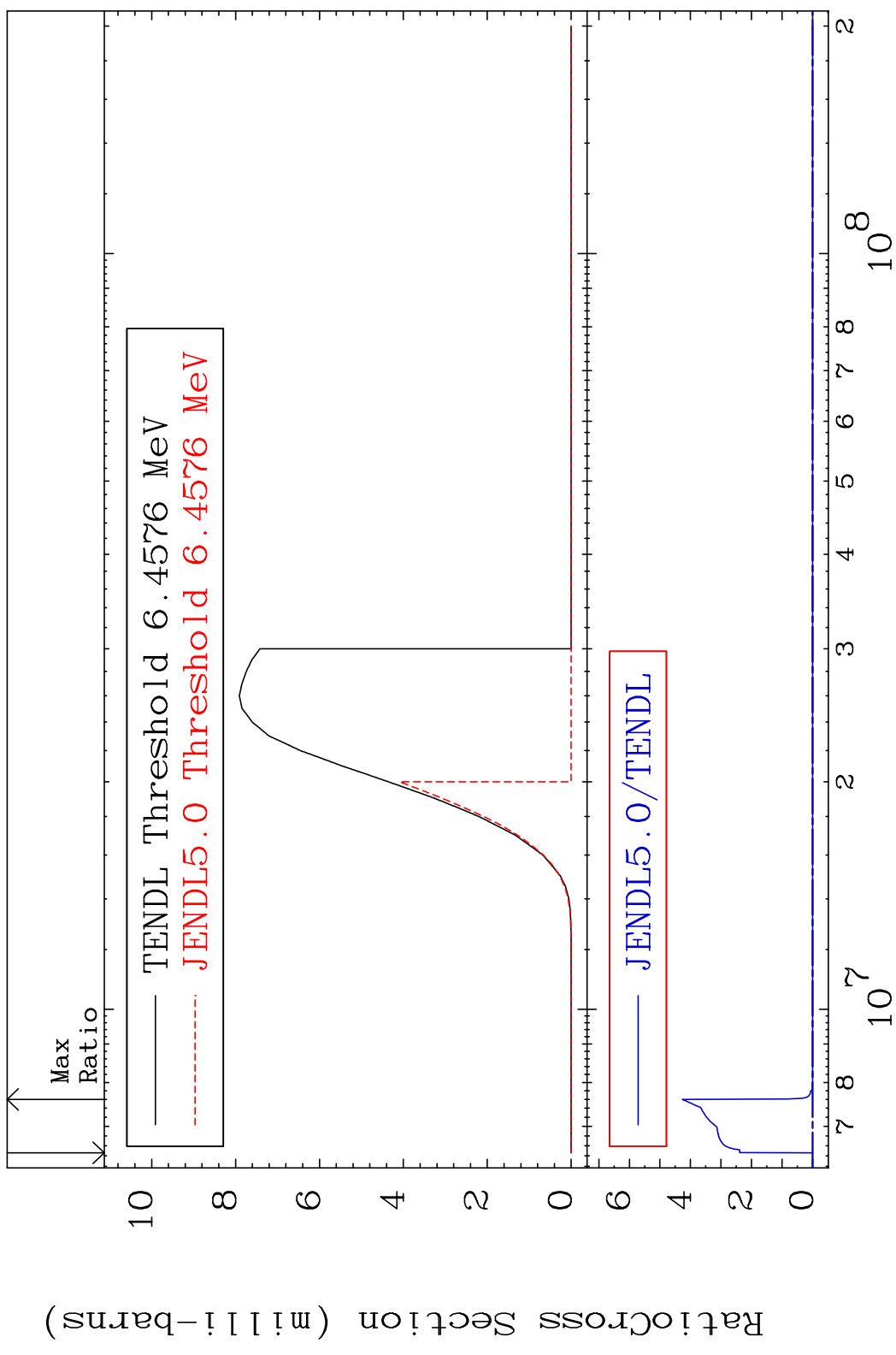
43-Tc-97

MAT 4319

(n, t)

43-Tc-97

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

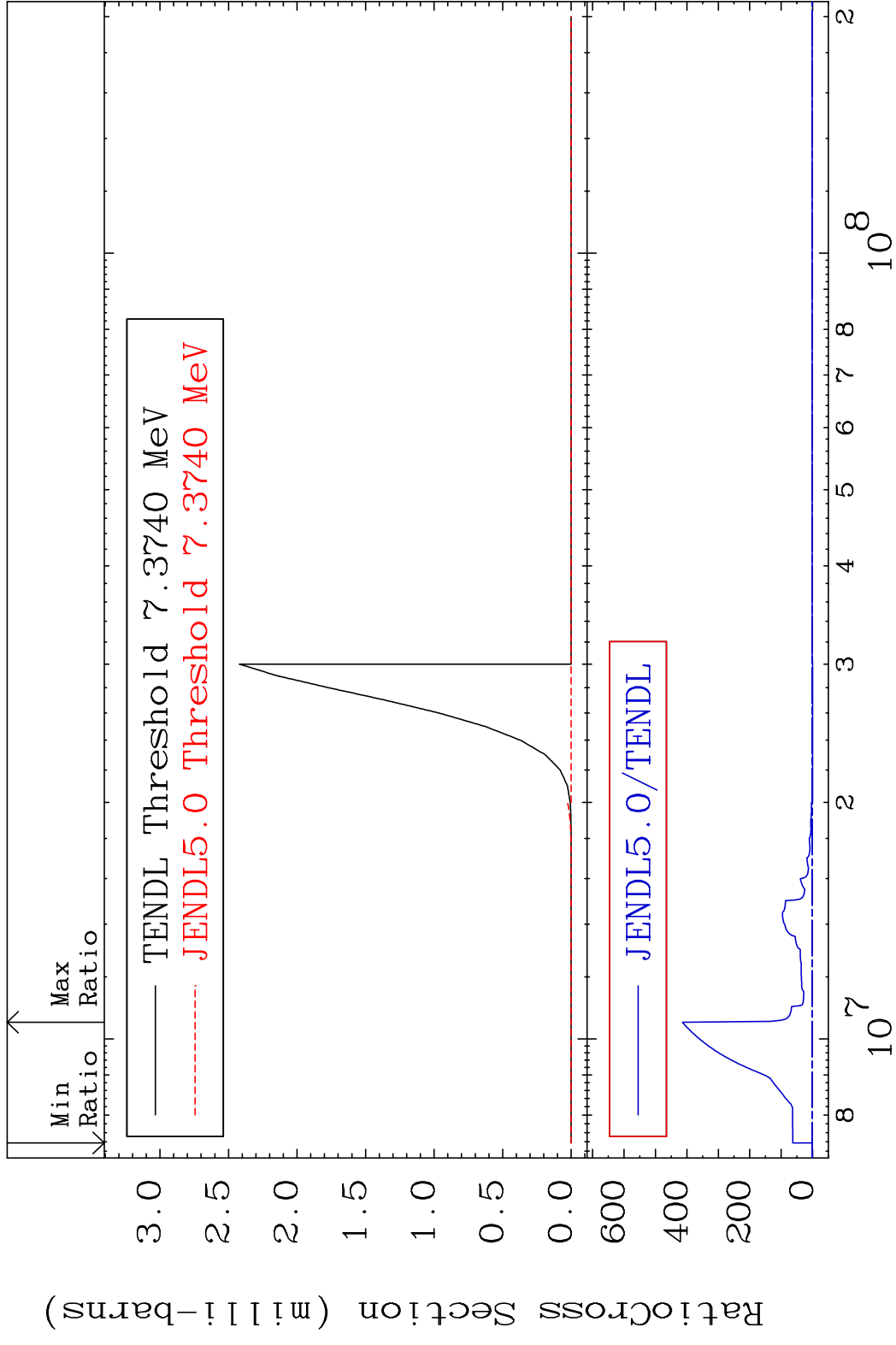
43-Tc-97

MAT 4319

(n, He-3)

43-Tc-97

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

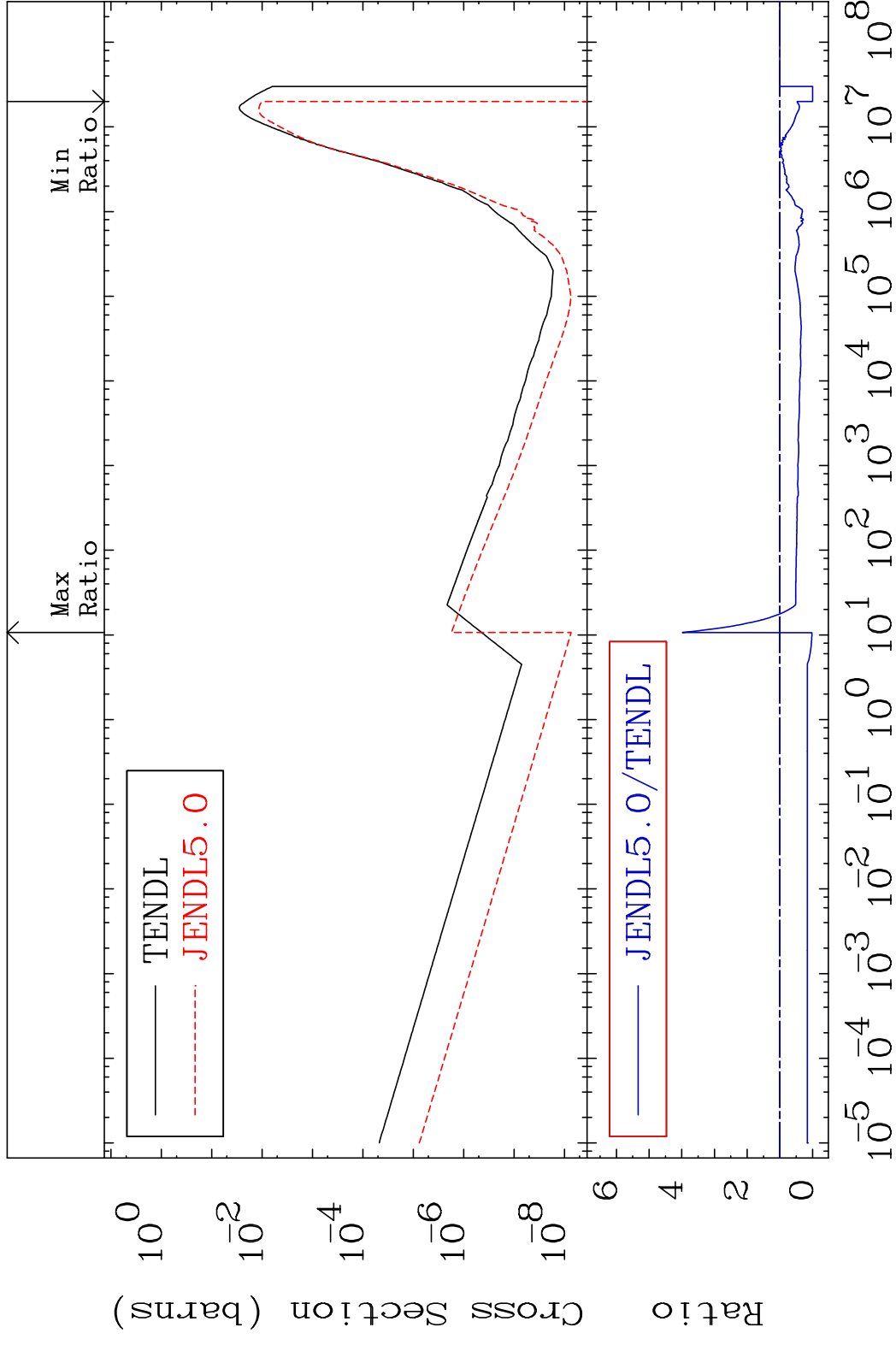
43-Tc-97

MAT 4319

43-Tc-97

(n, α)

Cross Section -100.0 To 298.3 %



49

Incident Energy (eV)

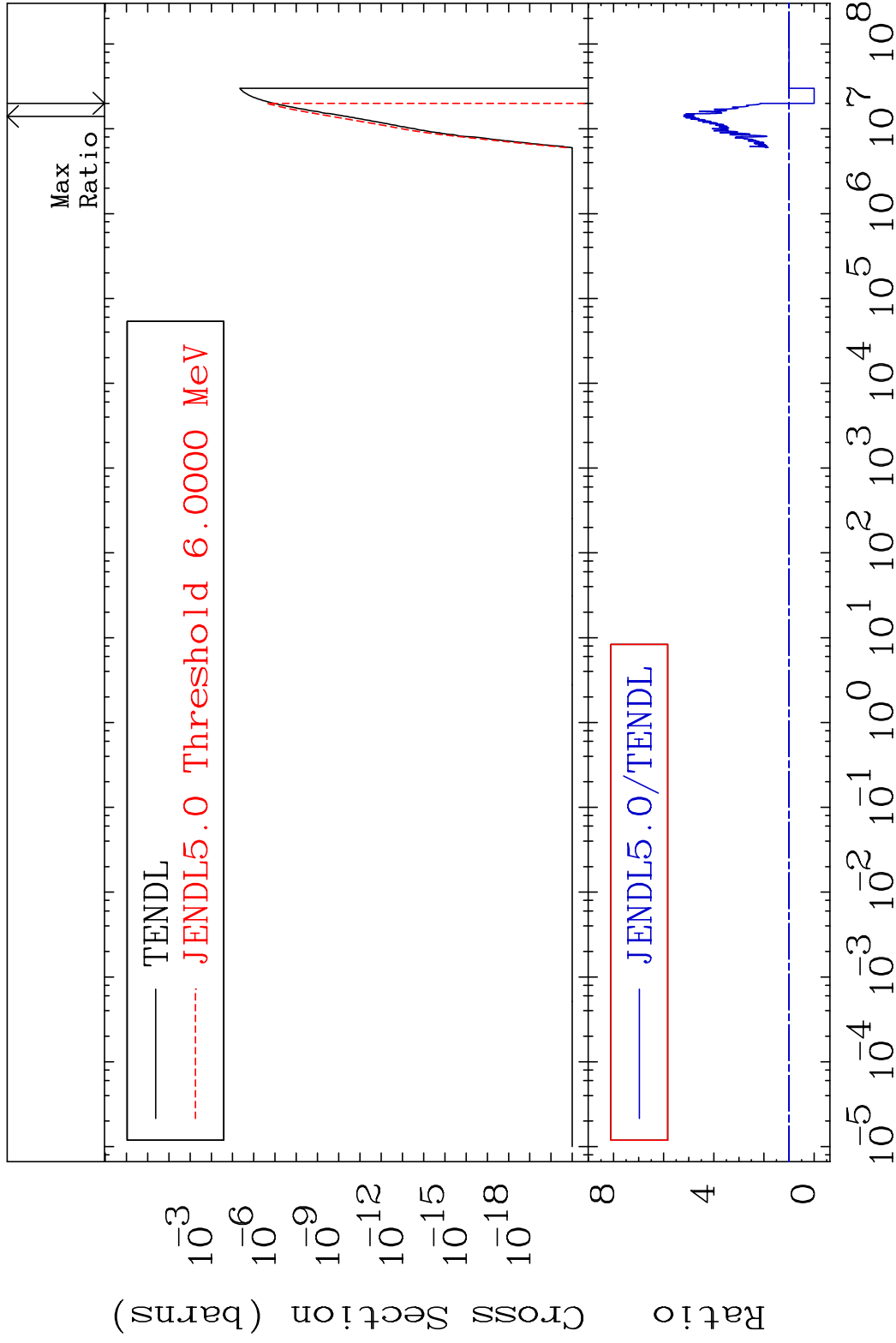
43-Tc-97

MAT 4319

(n,2α)

43-Tc-97

Cross Section -100.0 To 420.3 %

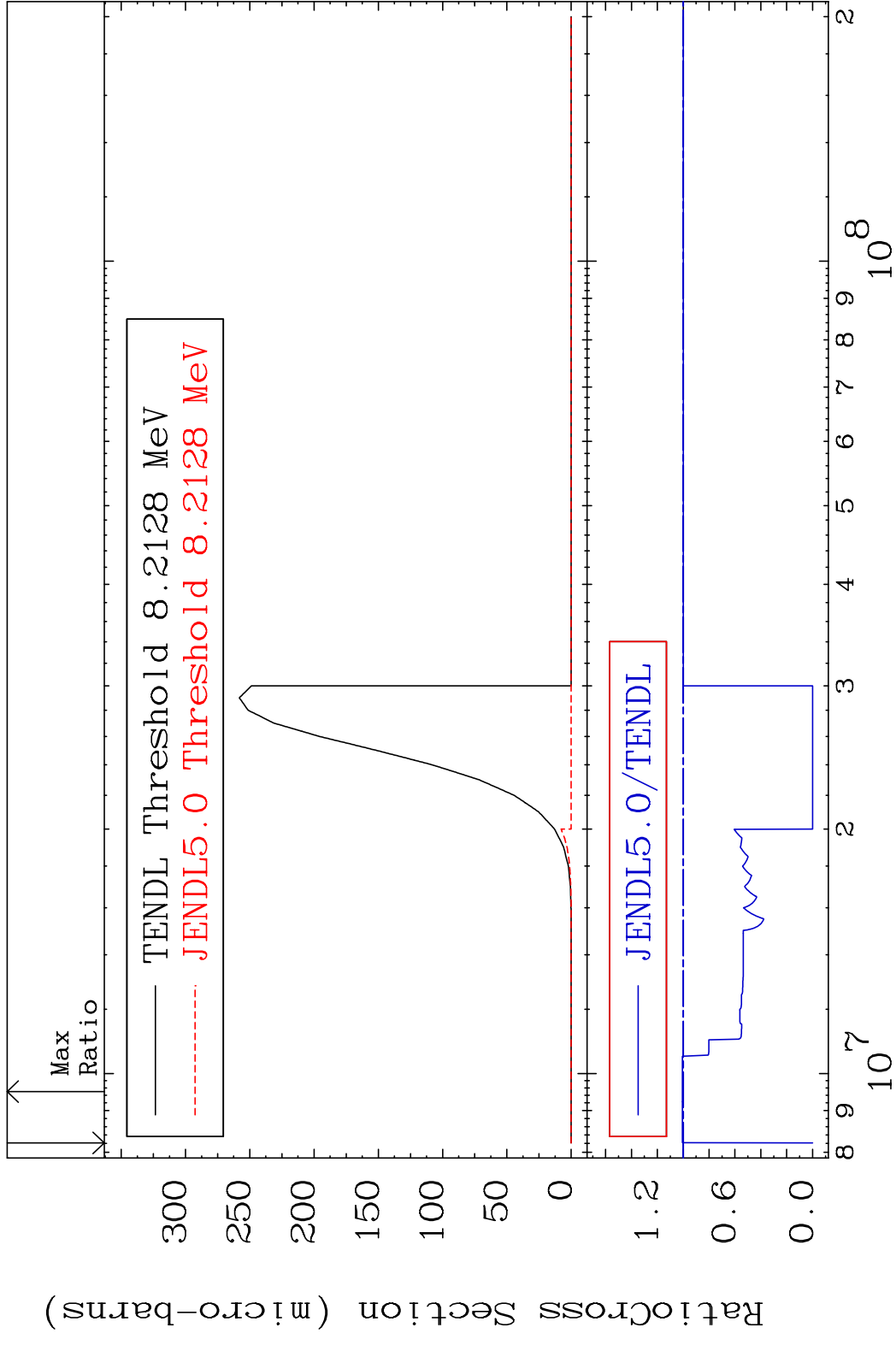


50

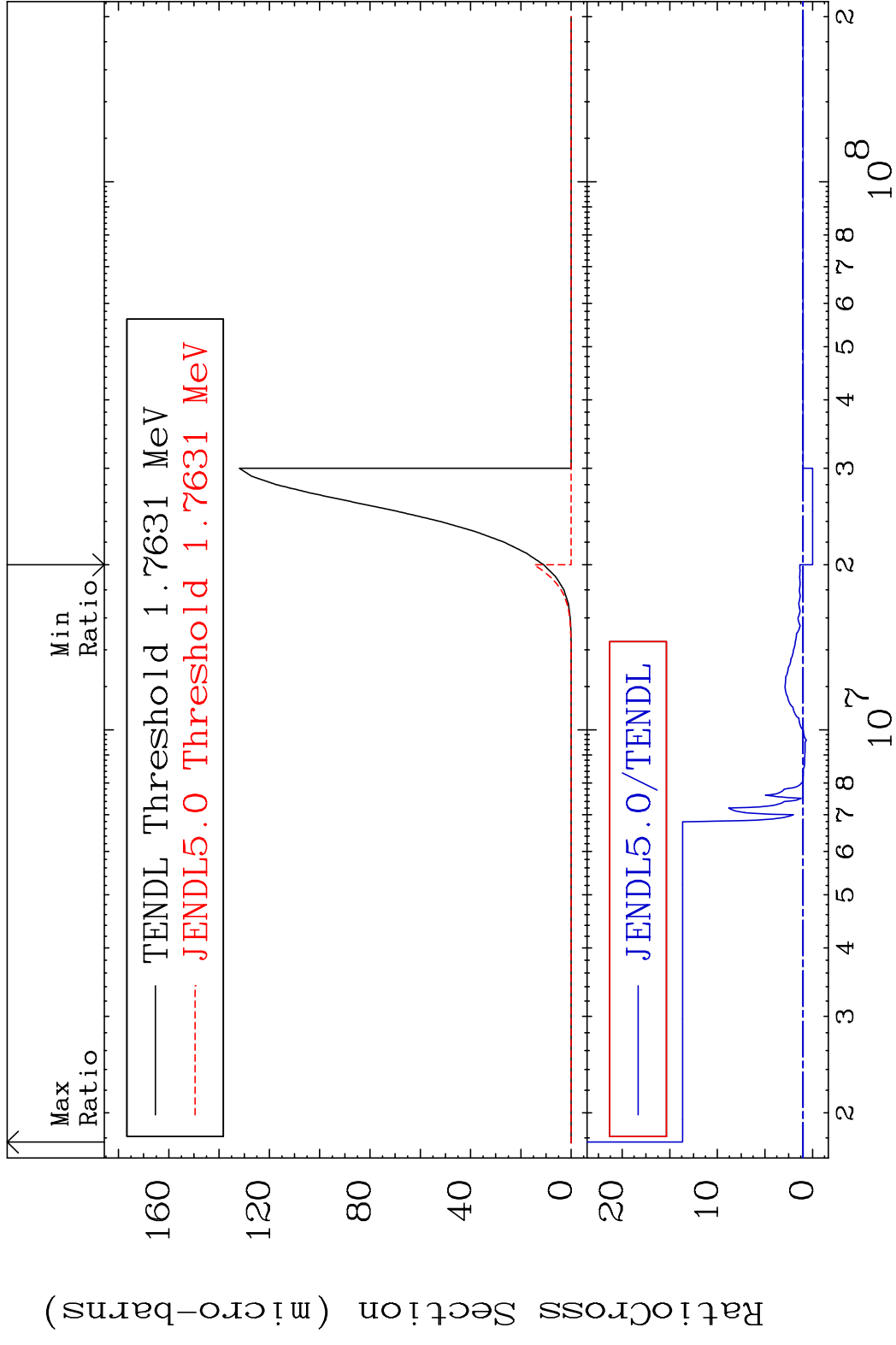
Incident Energy (eV)

43-Tc-97

MAT 4319 (n,2p) 43-Tc-97
 Cross Section -100.0 To 0.659 %



MAT 4319 (n,p) α 43-Tc-97
 Cross Section -100.0 To 1268. %

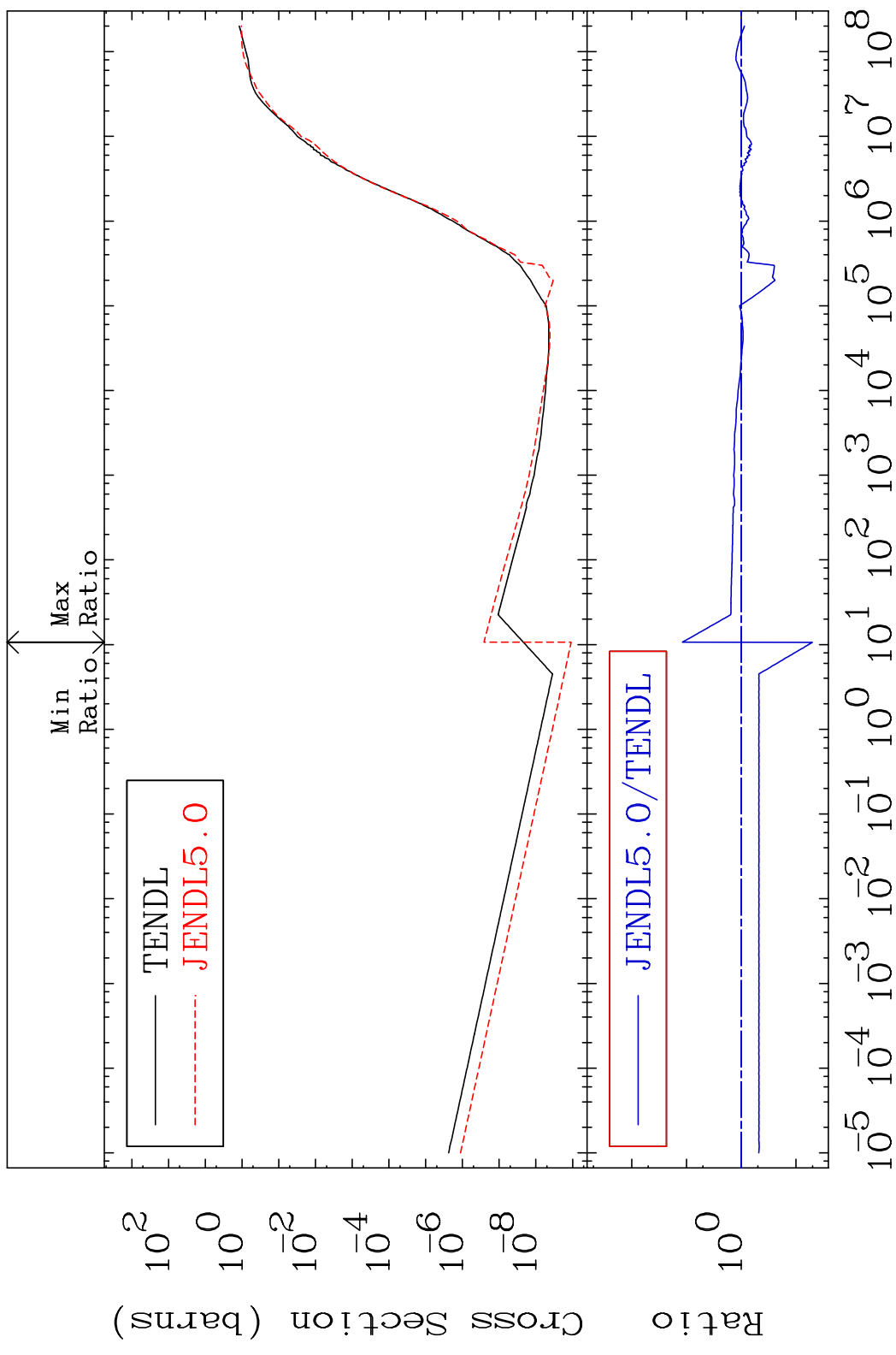


MAT 4319

Hydrogen Production

43-Tc-97

Cross Section -95.00 To 1089. %

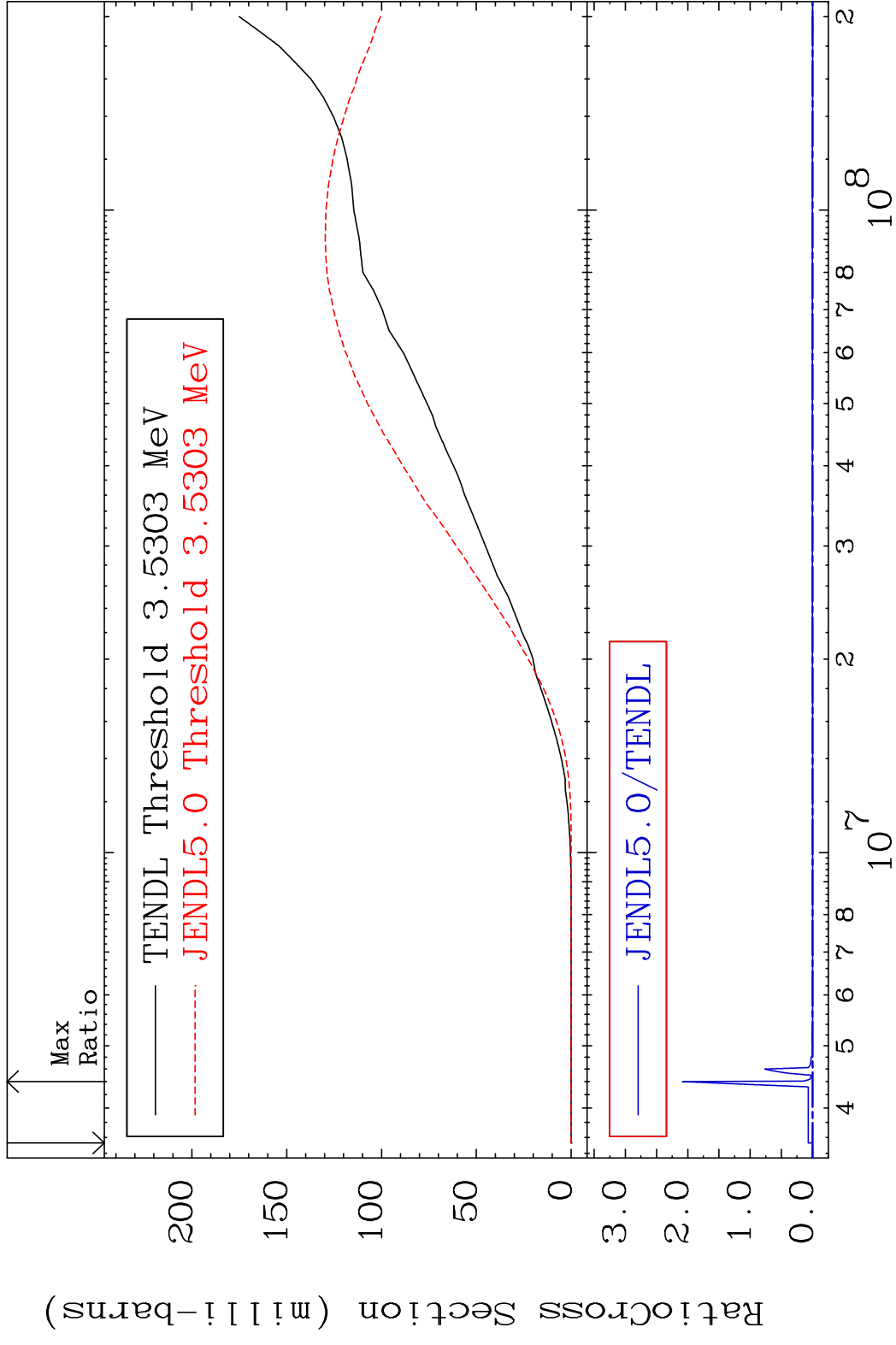


53

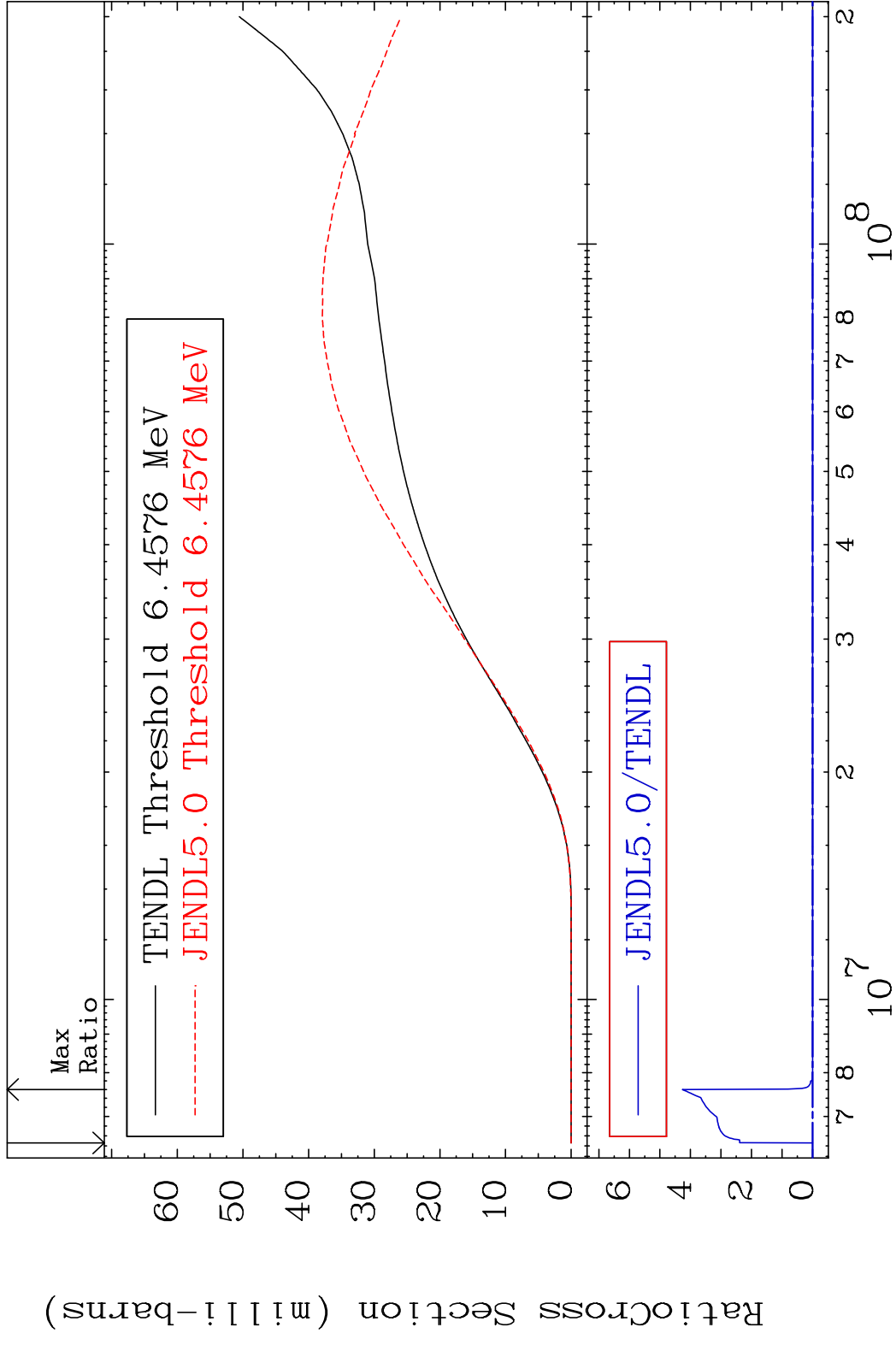
Incident Energy (eV)

43-Tc-97

MAT 4319 Deuterium Production 43-Tc-97
 Cross Section -100.0 To 9999. %



MAT 4319 Tritium Production 43-Tc-97
 Cross Section -100.0 To 9999. %

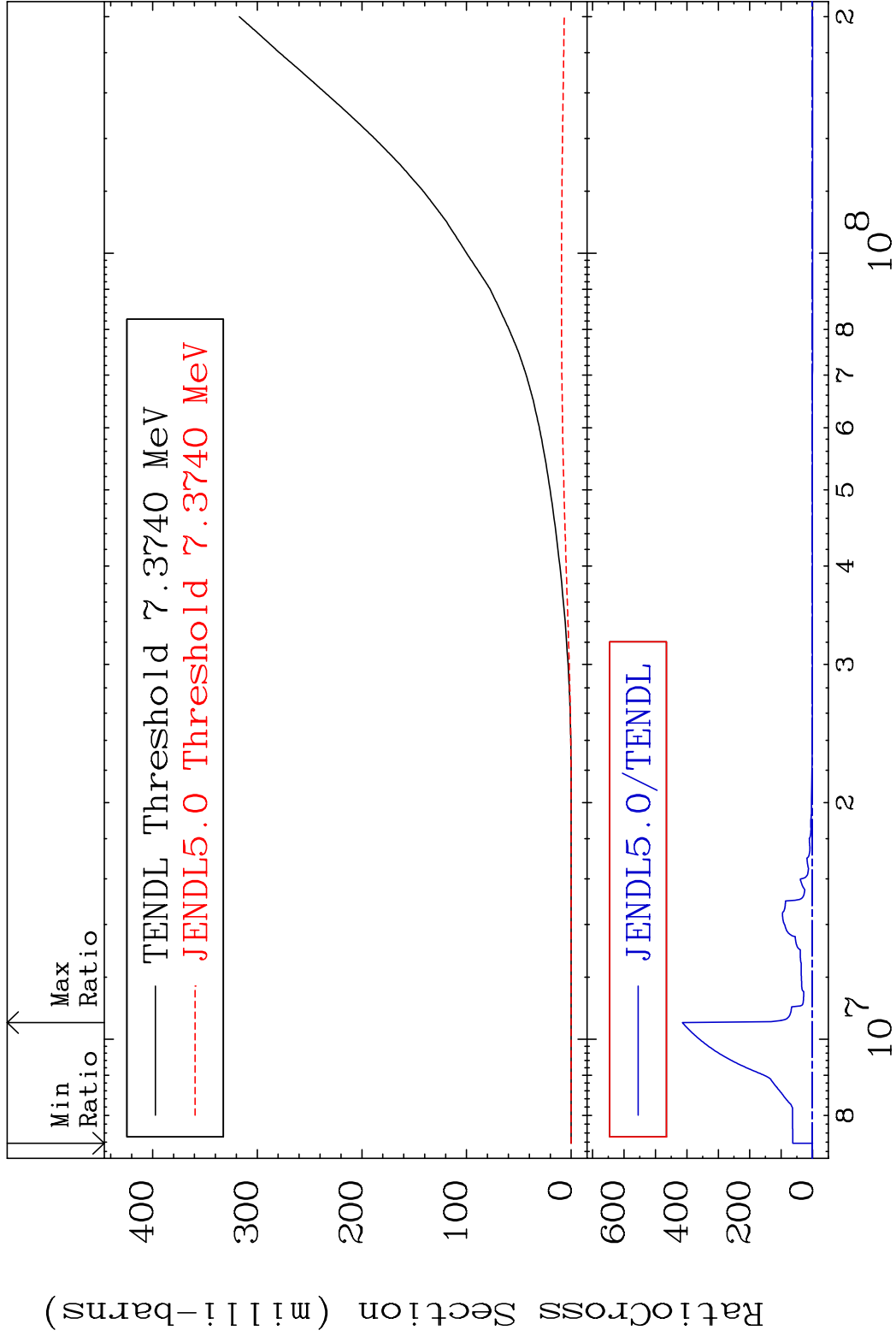


MAT 4319

He-3 Production

43-Tc-97

Cross Section -100.0 To 9999. %



56

Incident Energy (eV)

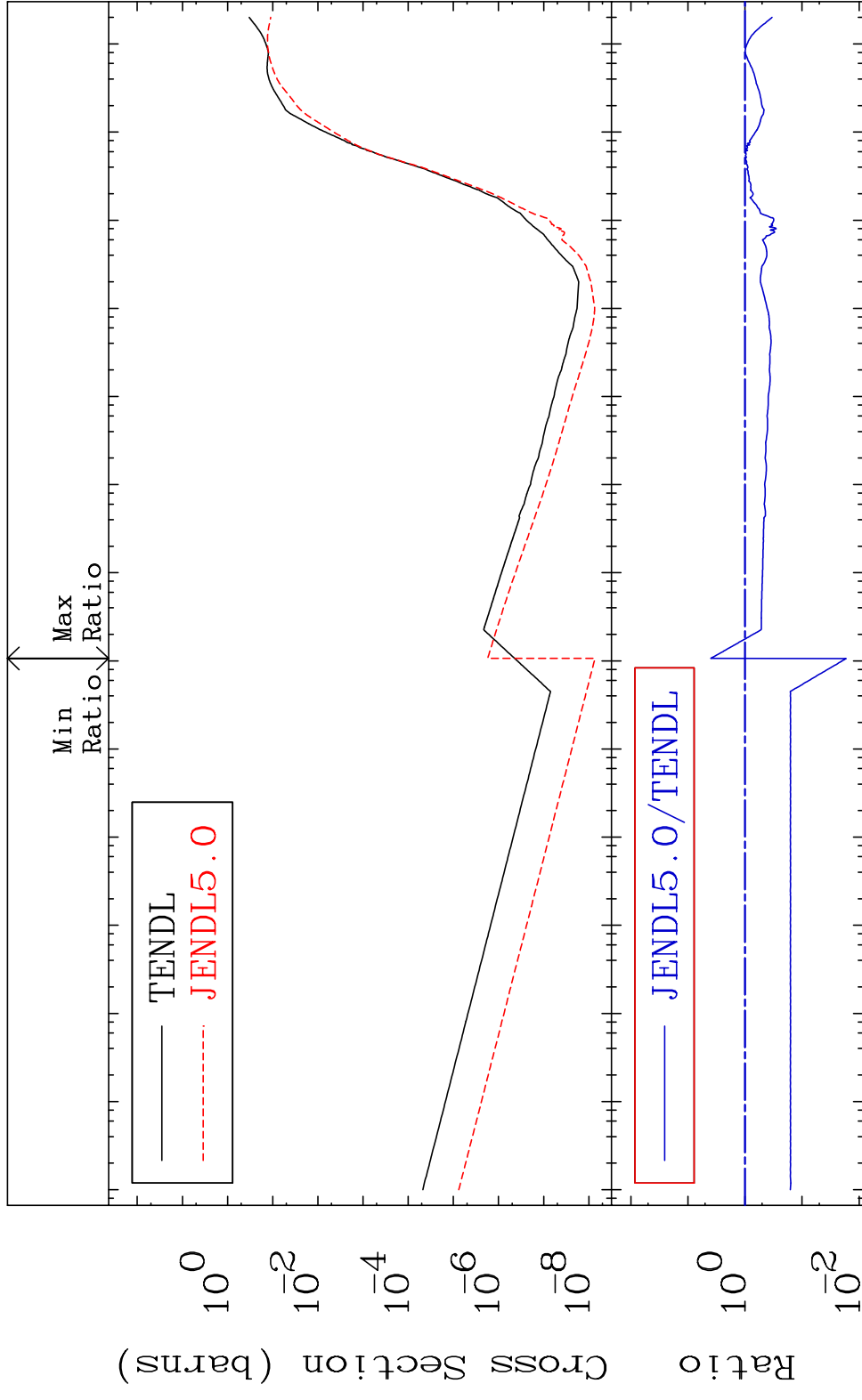
43-Tc-97

MAT 4319

He-4 Production

43-Tc-97

Cross Section -98.33 To 298.3 %

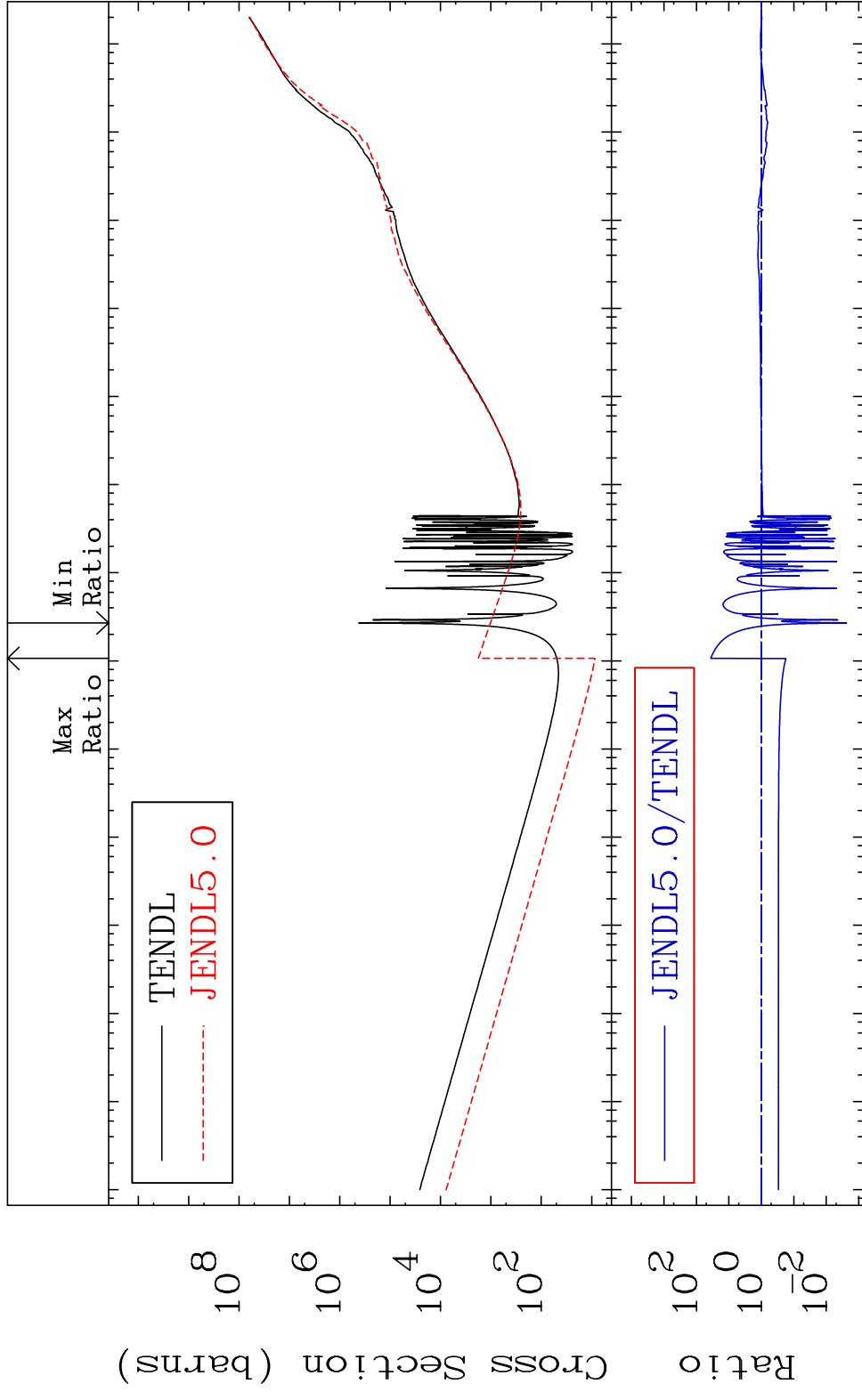


57

Incident Energy (eV)

43-Tc-97

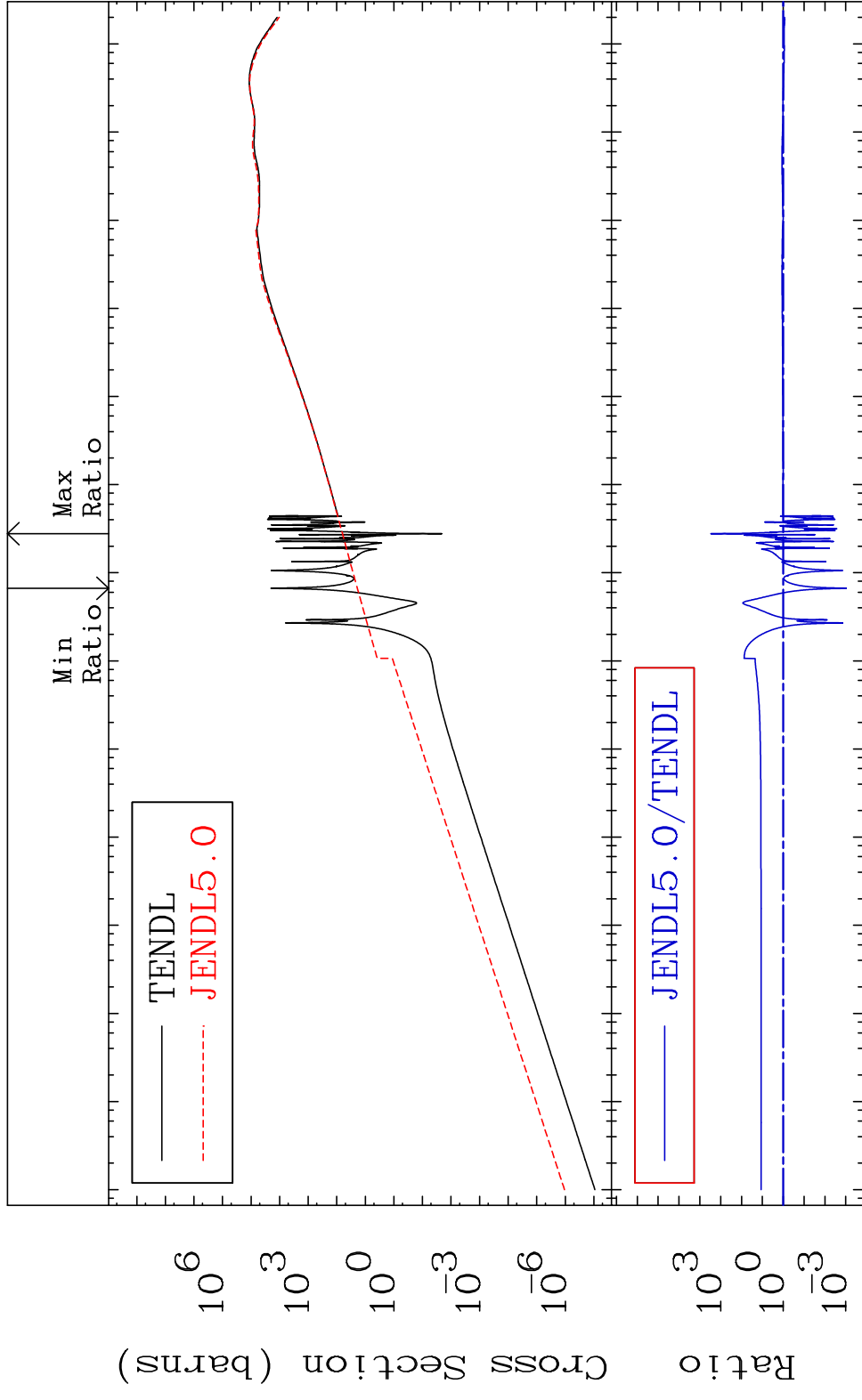
MAT 4319 Kerma total (eV-barns) 43-Tc-97
 Cross Section -99.76 To 3528. %



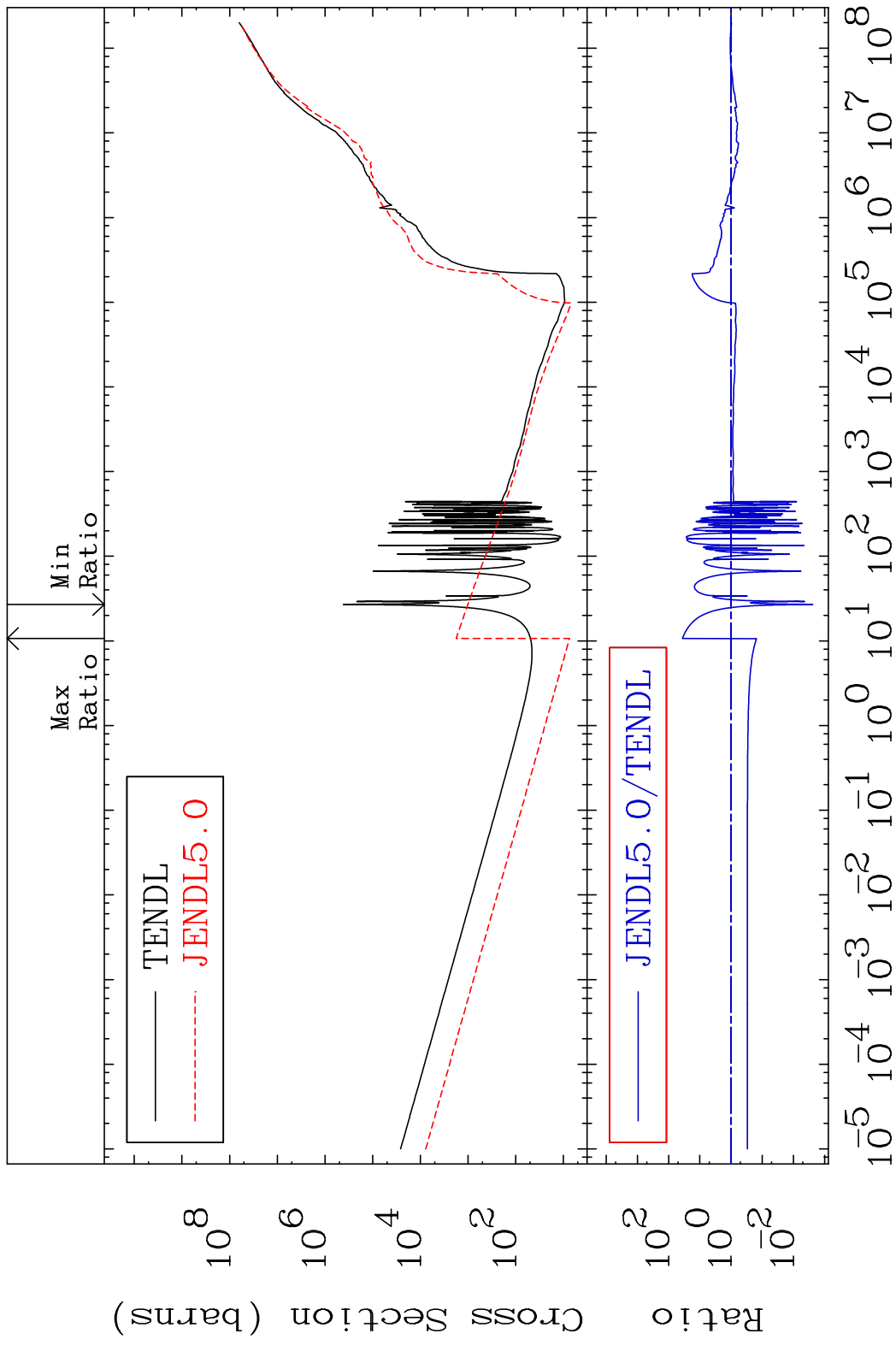
MAT 4319

Kerma elastic
Cross Section

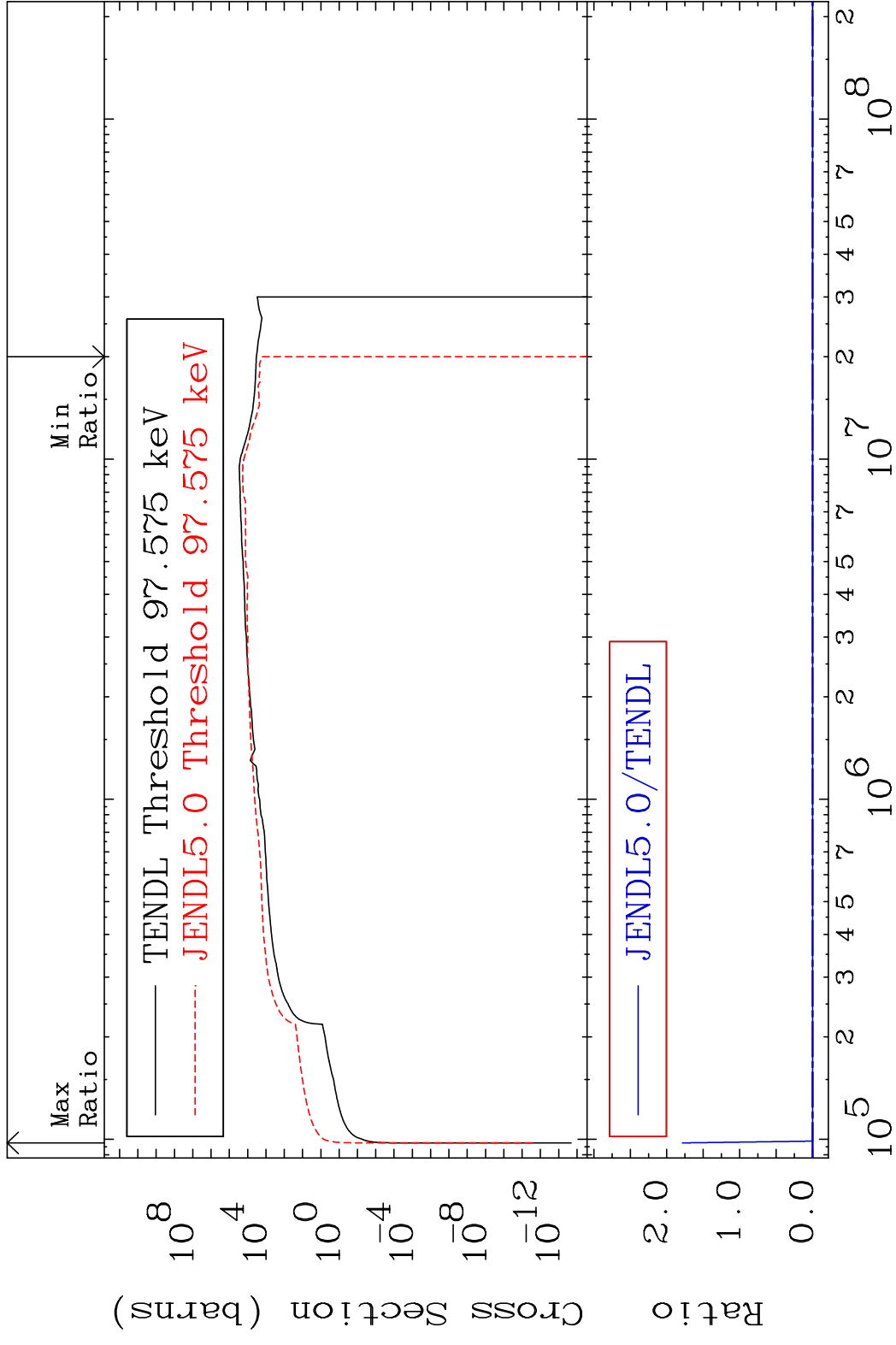
43-Tc-97
-99.91 To 9999. %



MAT 4319 Kerma non-elastic (all but mt2) 43-Tc-97
Cross Section -99.76 To 3524. %

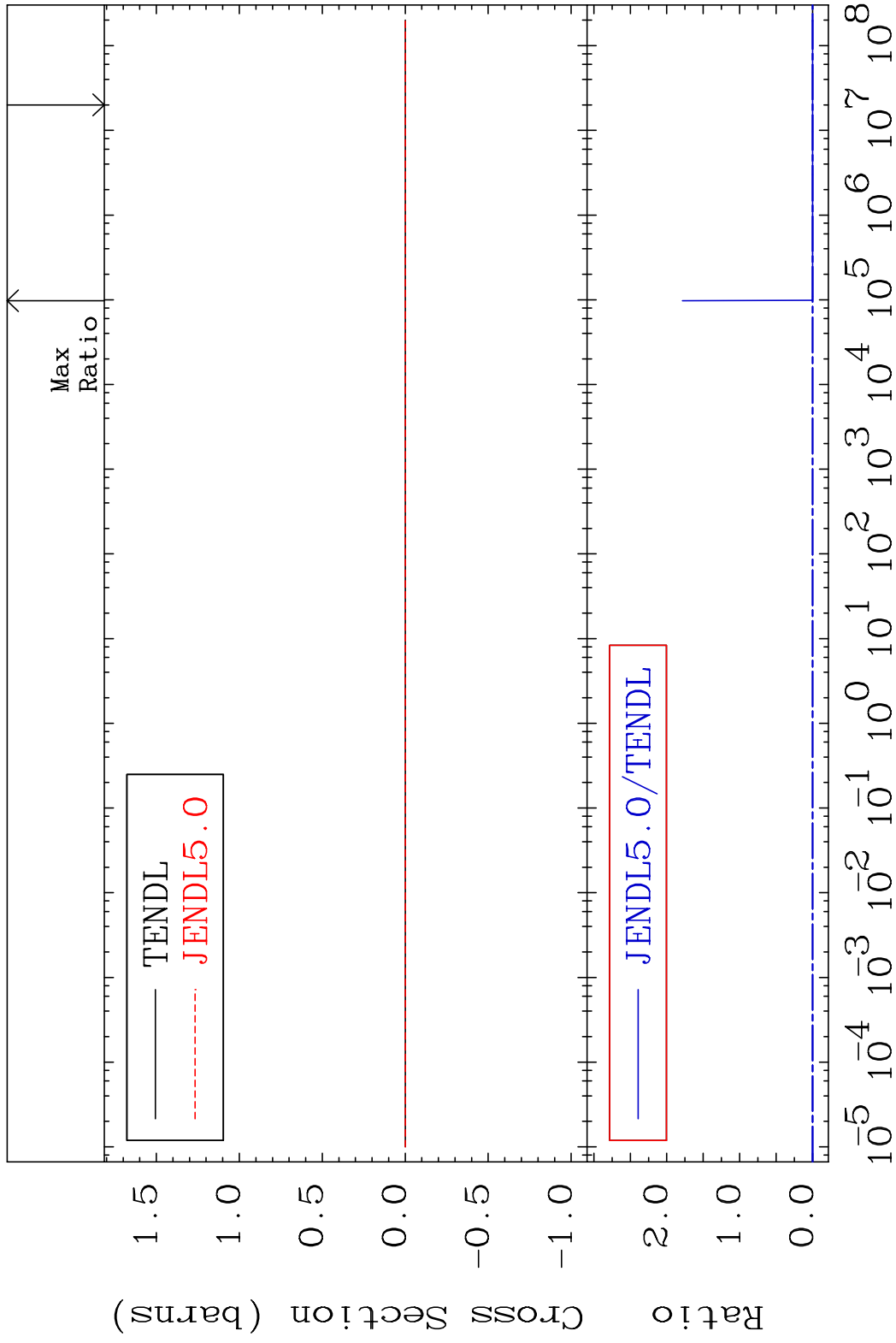


MAT 4319 Kerma inelastic (mt51-91) 43-Tc-97
 Cross Section -100.0 To 9999. %



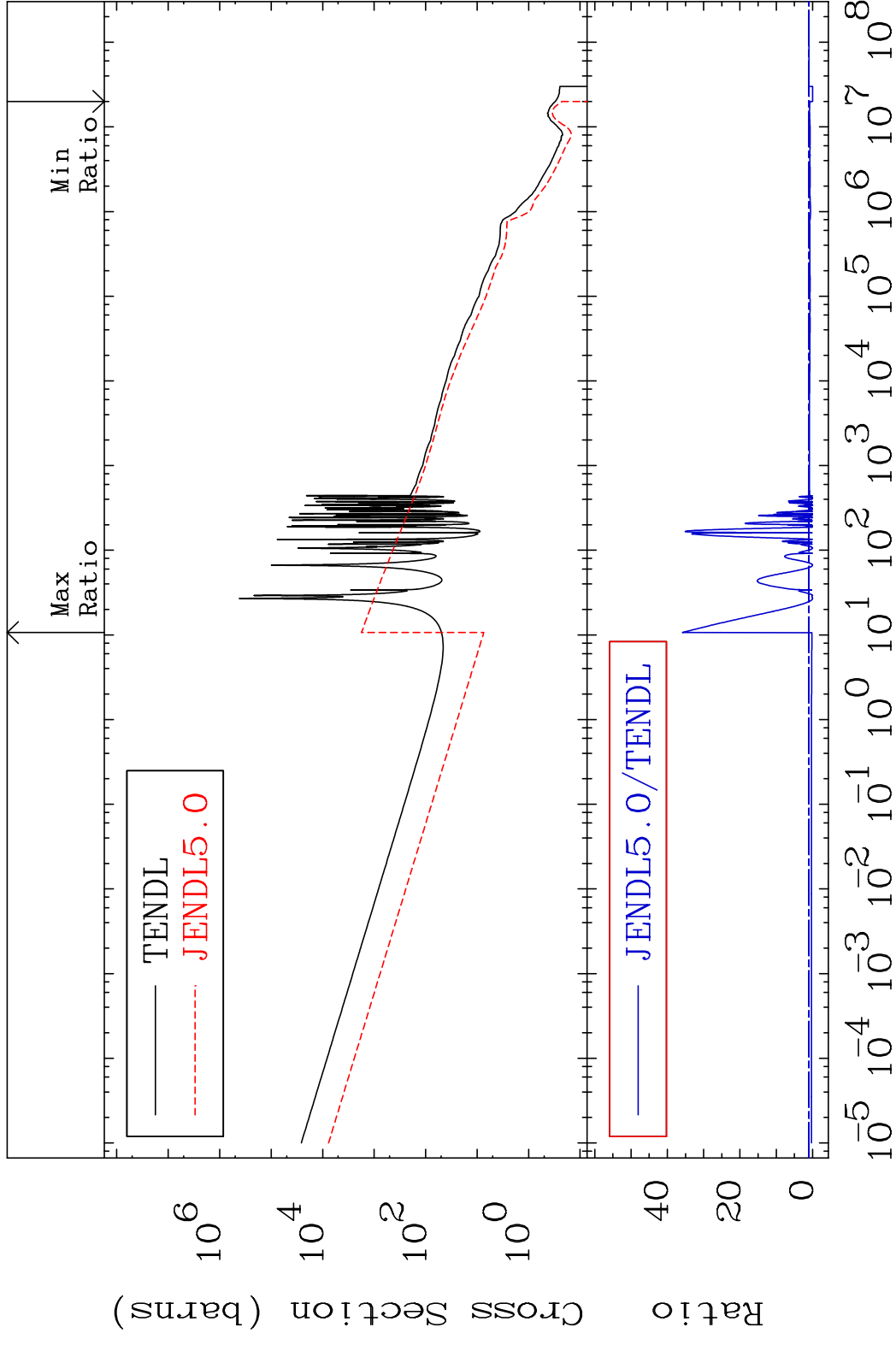
61 Incident Energy (eV) 43-Tc-97

MAT 4319 Kerma fission (mt18 or mt19-20-21-38) 43-Tc-97
 Cross Section -100.0 To 9999. %



MAT 4319

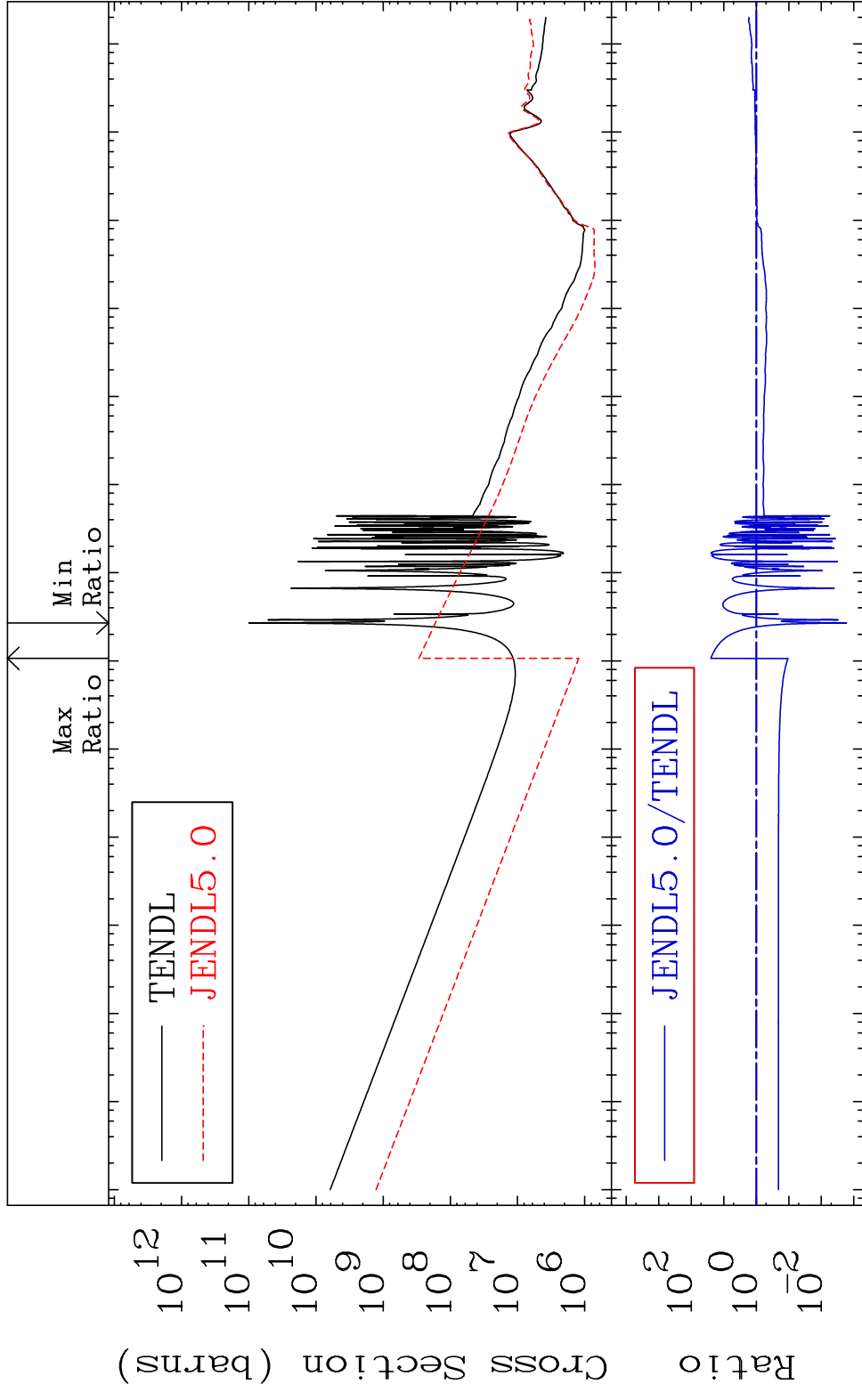
Kerma capture (mt102) 43-Tc-97
Cross Section -100.0 To 3486. %



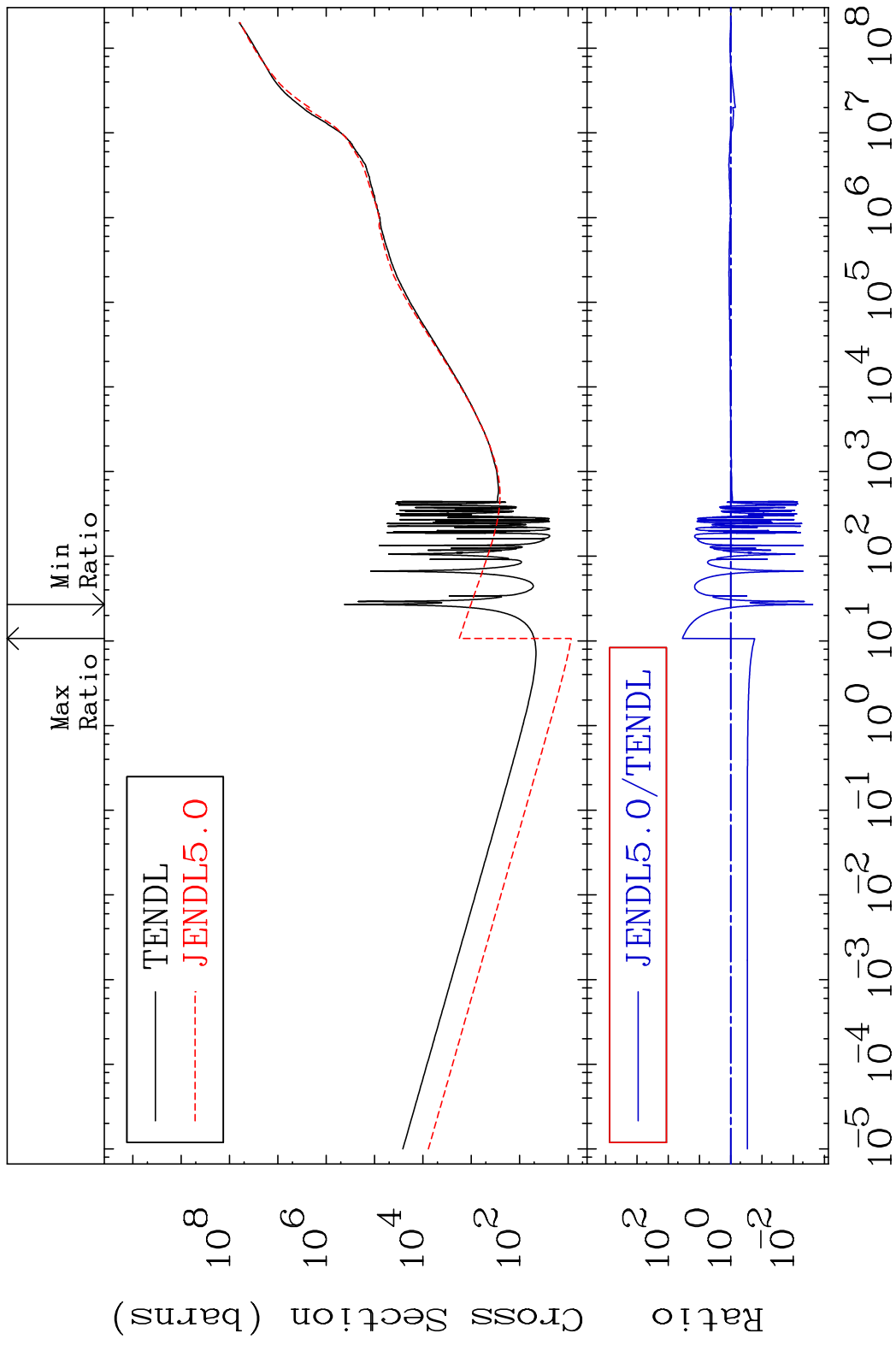
63

Incident Energy (eV) 43-Tc-97

MAT 4319 Total photon (eV-barns) 43-Tc-97
 Cross Section -99.83 To 2419. %



MAT 4319 Total kinematic kerma (high limit) 43-Tc-97
 Cross Section -99.76 To 3456. %

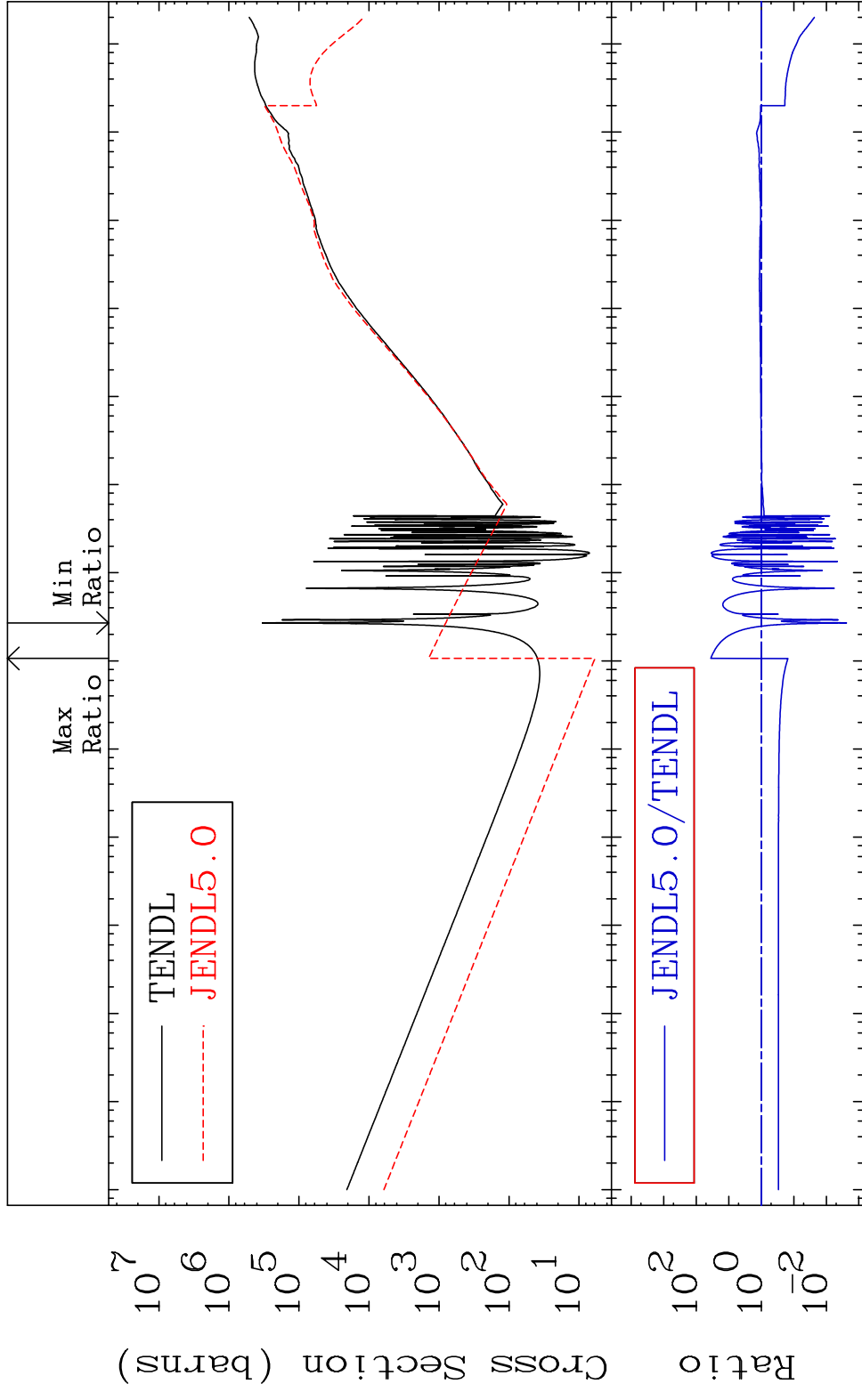


MAT 4319

Dpa total (eV-barns)

43-Tc-97

Cross Section -99.76 To 3490. %

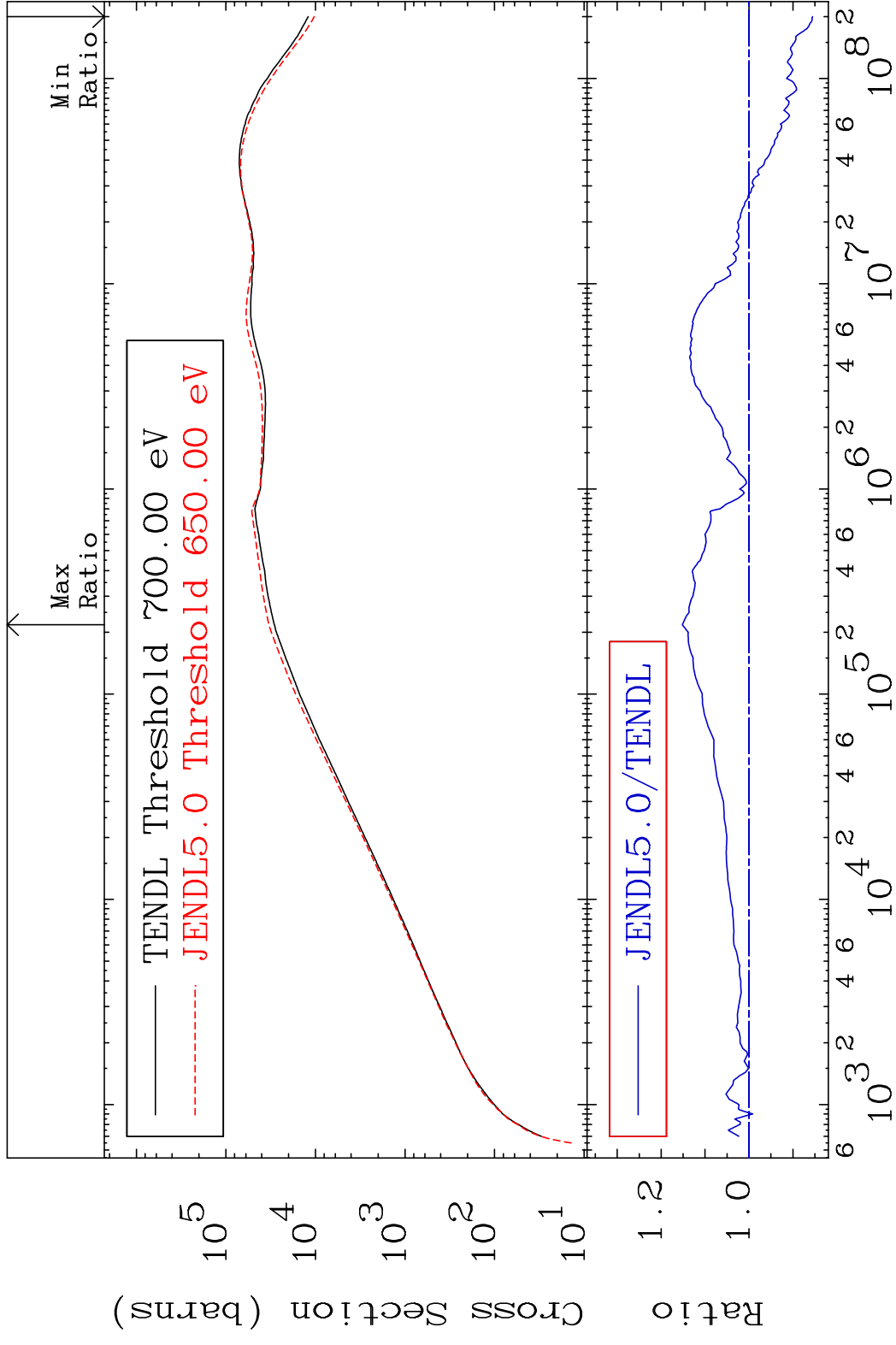


MAT 4319

Dpa elastic (mt2)

43-Tc-97

Cross Section -14.48 To 15.17 %

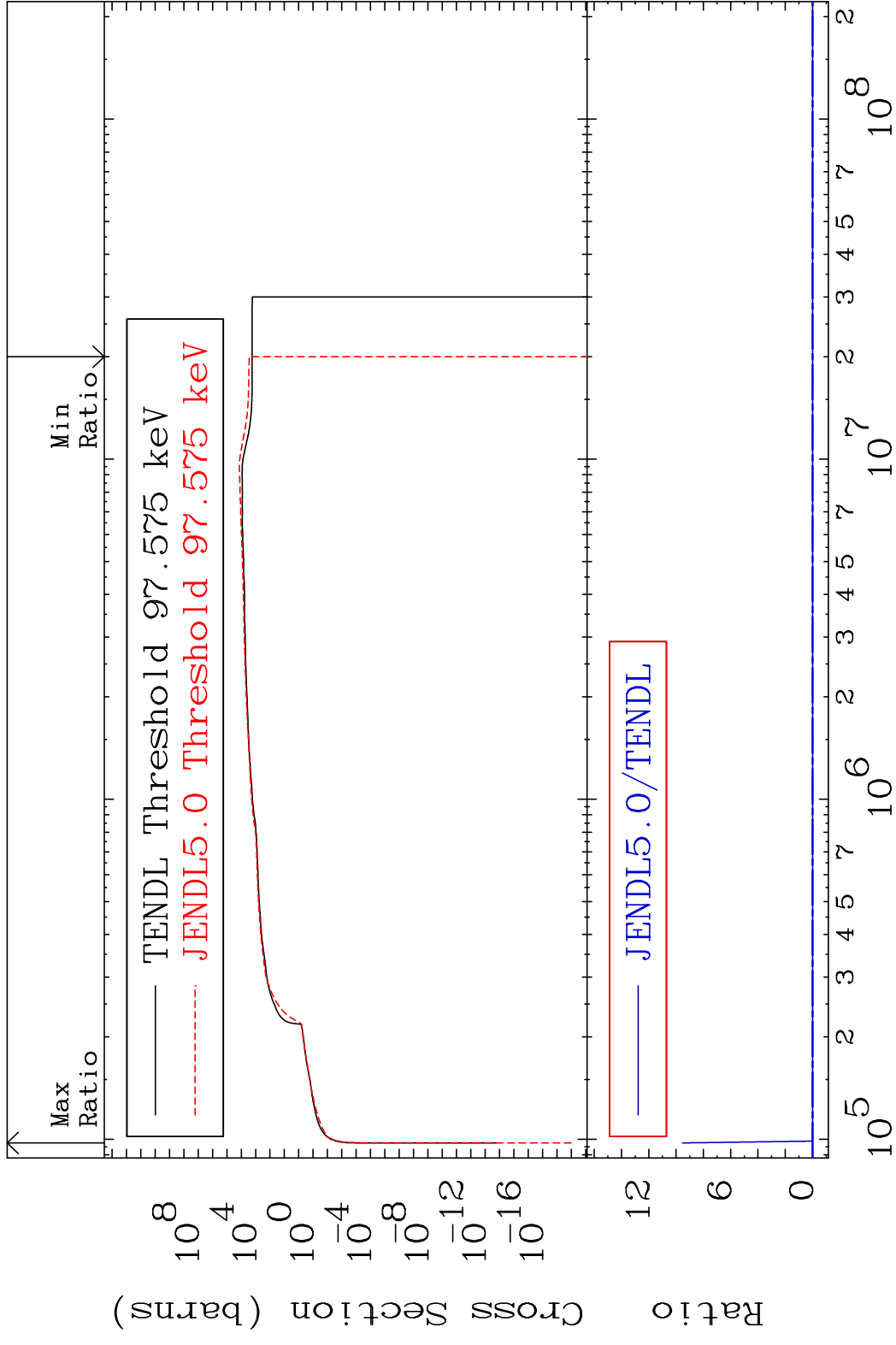


67

Incident Energy (eV)

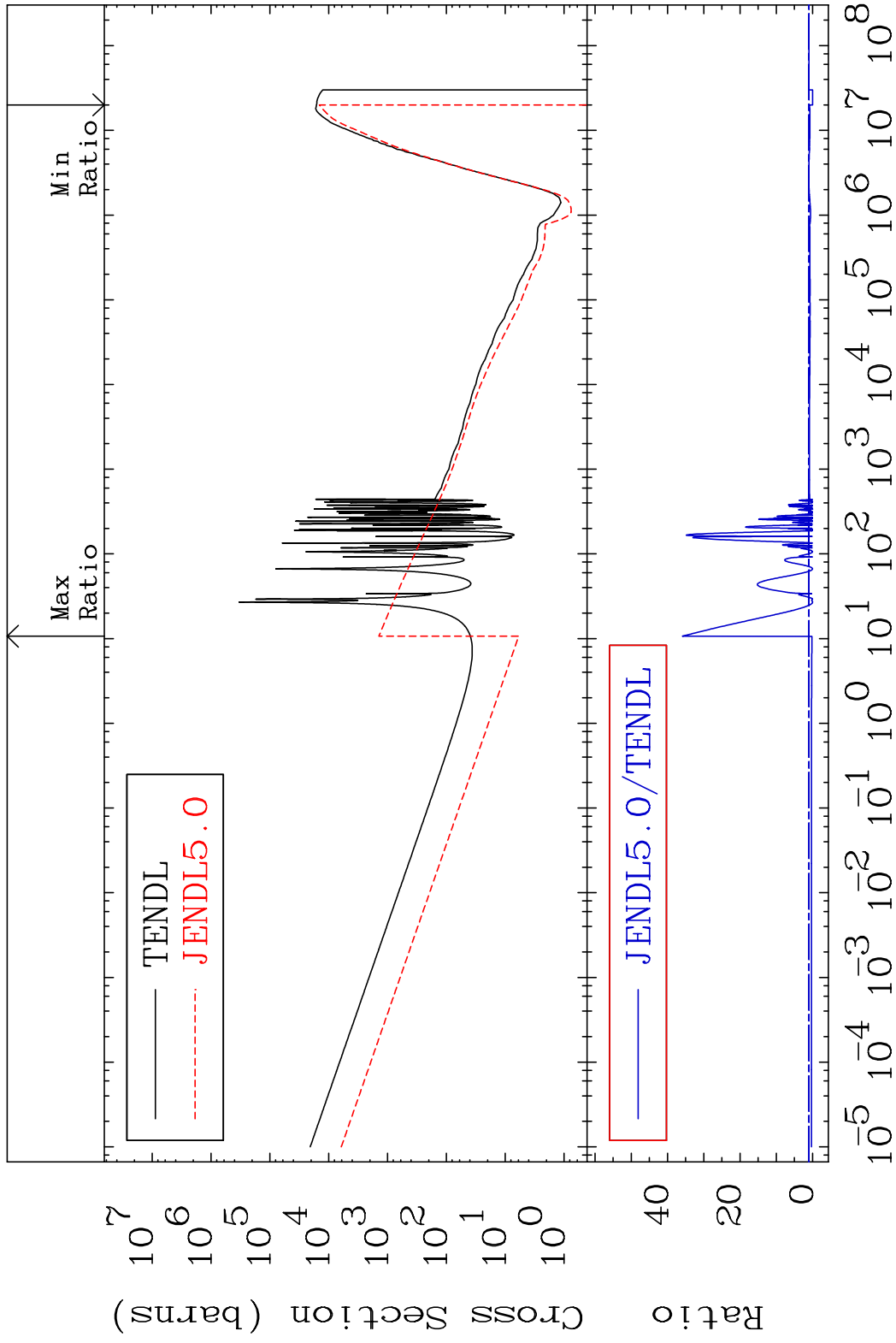
43-Tc-97

MAT 4319 Dpa inelastic (mt51-91) 43-Tc-97
 Cross Section -100.0 To 9999. %

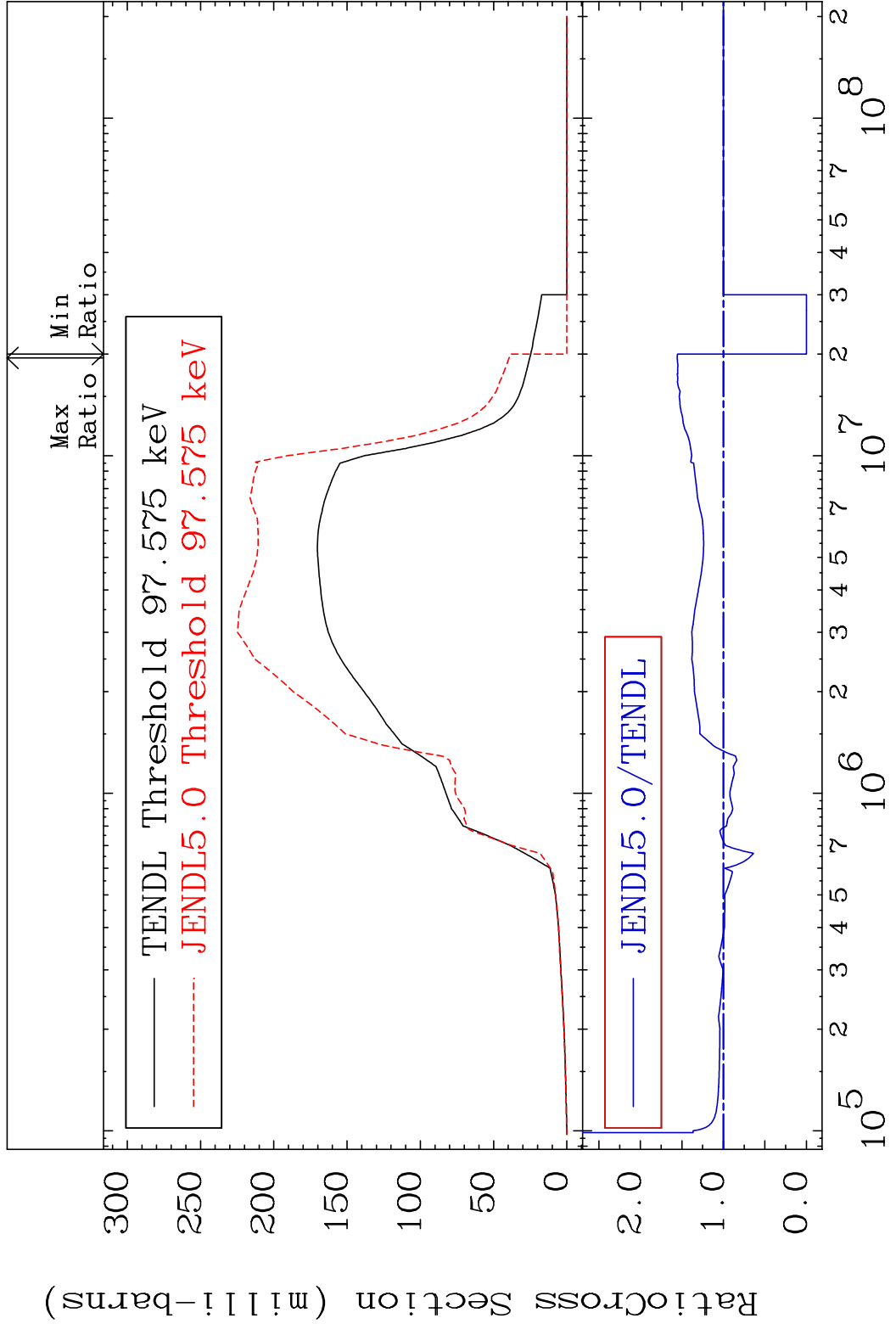


68 Incident Energy (eV) 43-Tc-97

MAT 4319 Dpa disappearance (mt102 -120) 43-Tc-97
 Cross Section -100.0 To 3490. %

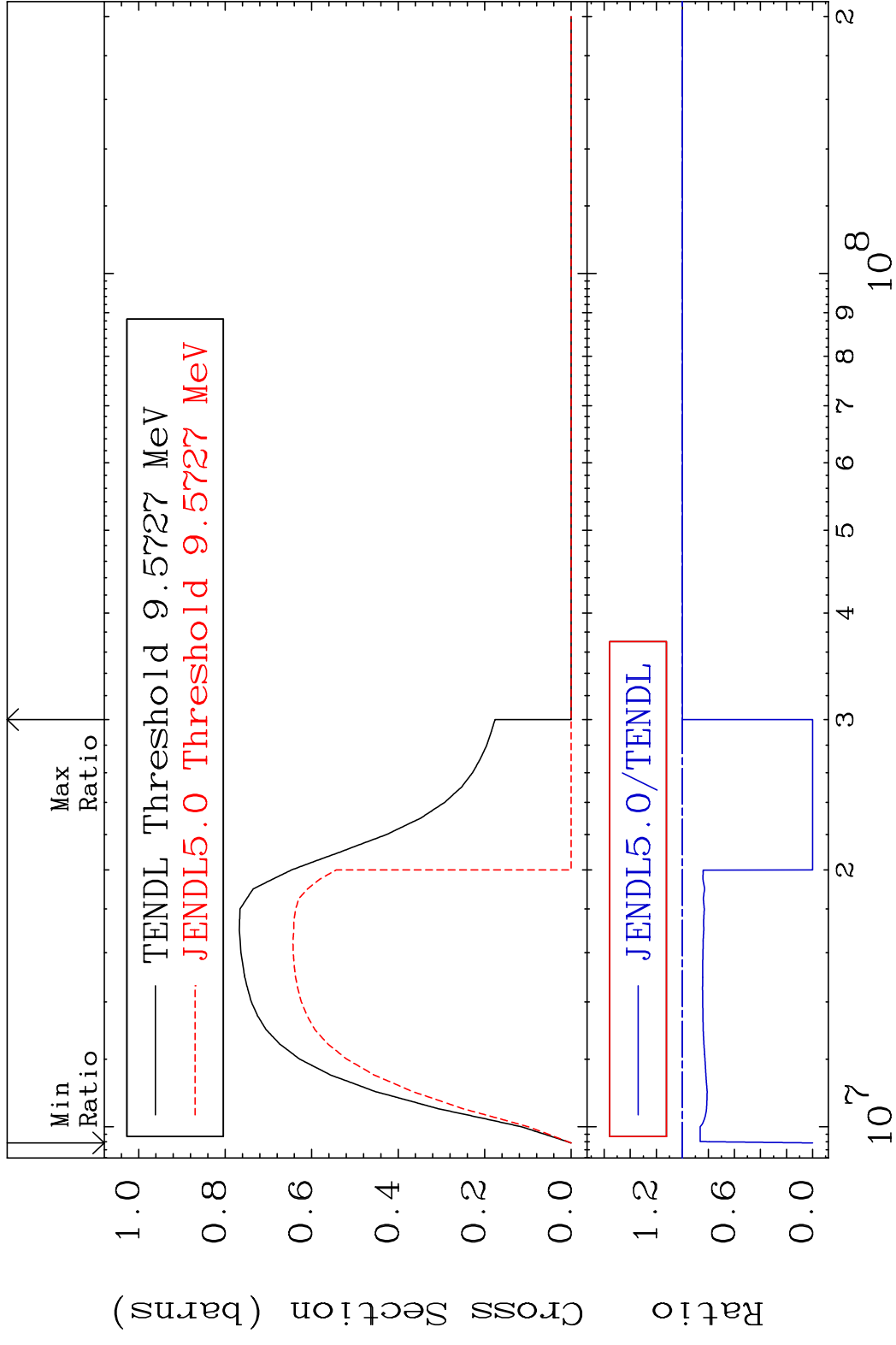


MAT 4319 Inelastic:43-Tc-97m1 43-Tc-97
 Radionuclide Production Cross Section Ratio 55.68 %



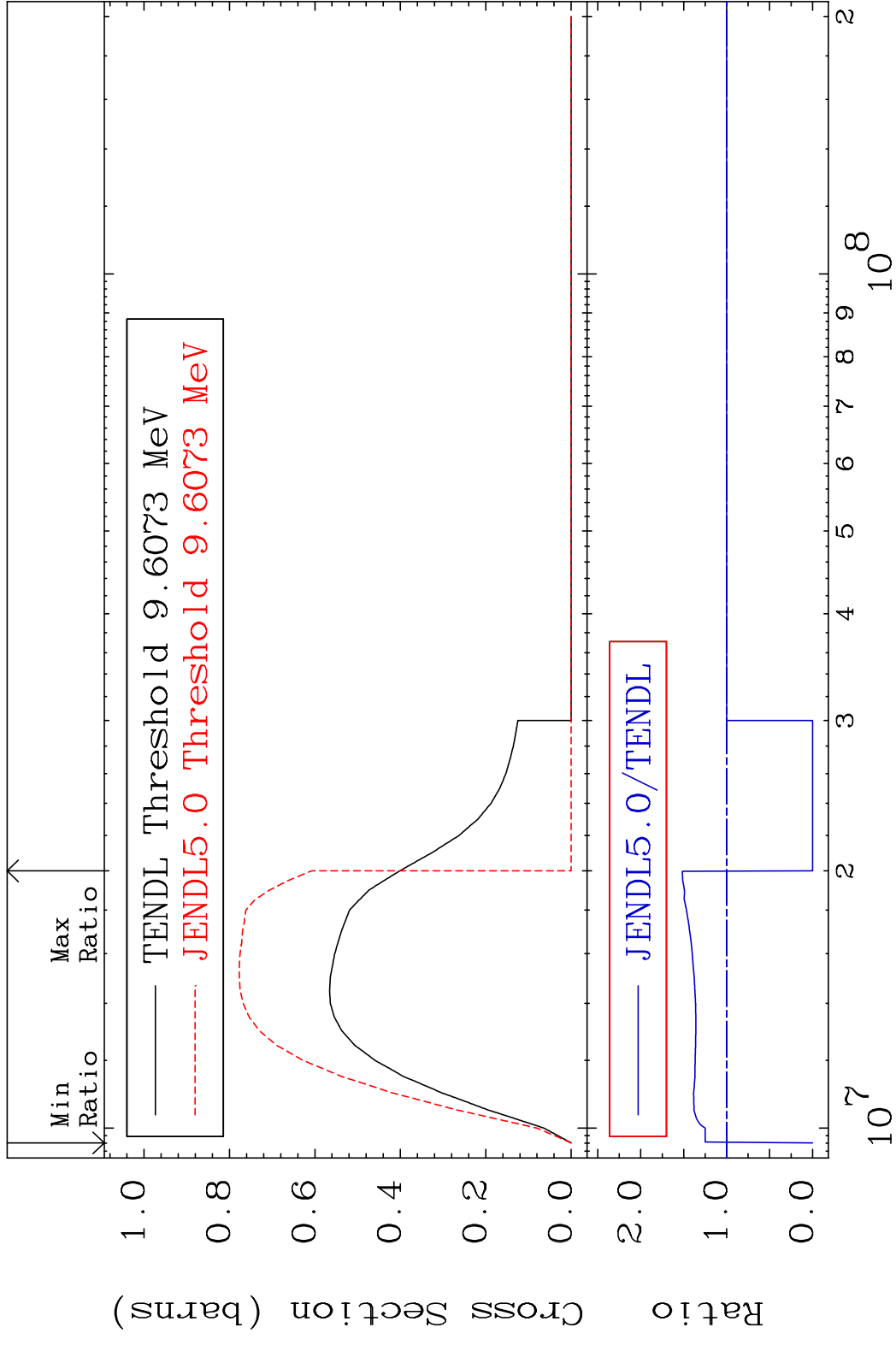
70 Incident Energy (eV) 43-Tc-97

MAT 4319 (n,2n):43-Tc-96g 43-Tc-97
 Radionuclide Production Cross Section Ratio 0.000 %



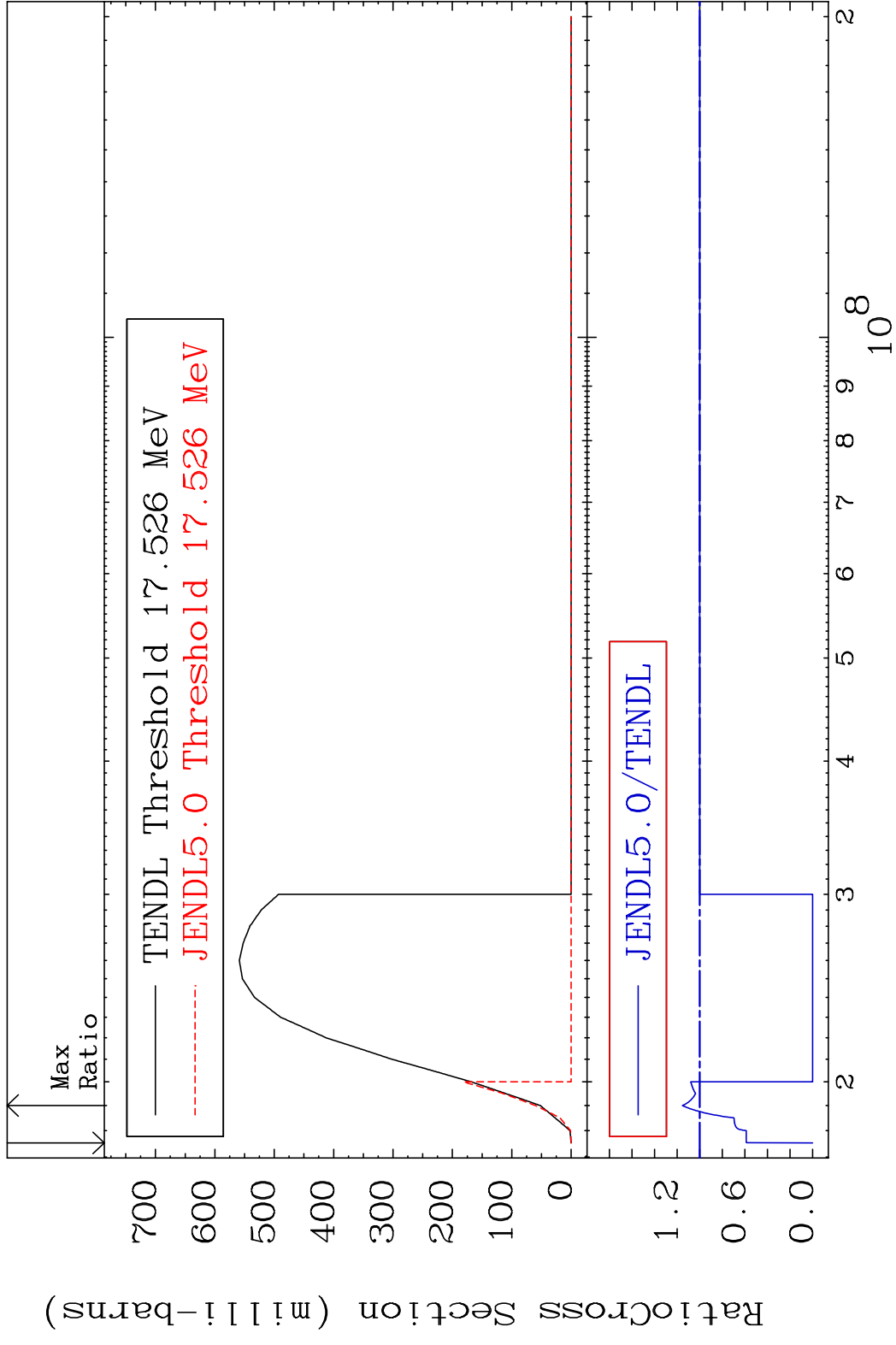
71 Incident Energy (eV) 43-Tc-97

MAT 4319 (n,2n):43-Tc-96m1 43-Tc-97
 Radionuclide Production Cross Section Ratio 51.56 %

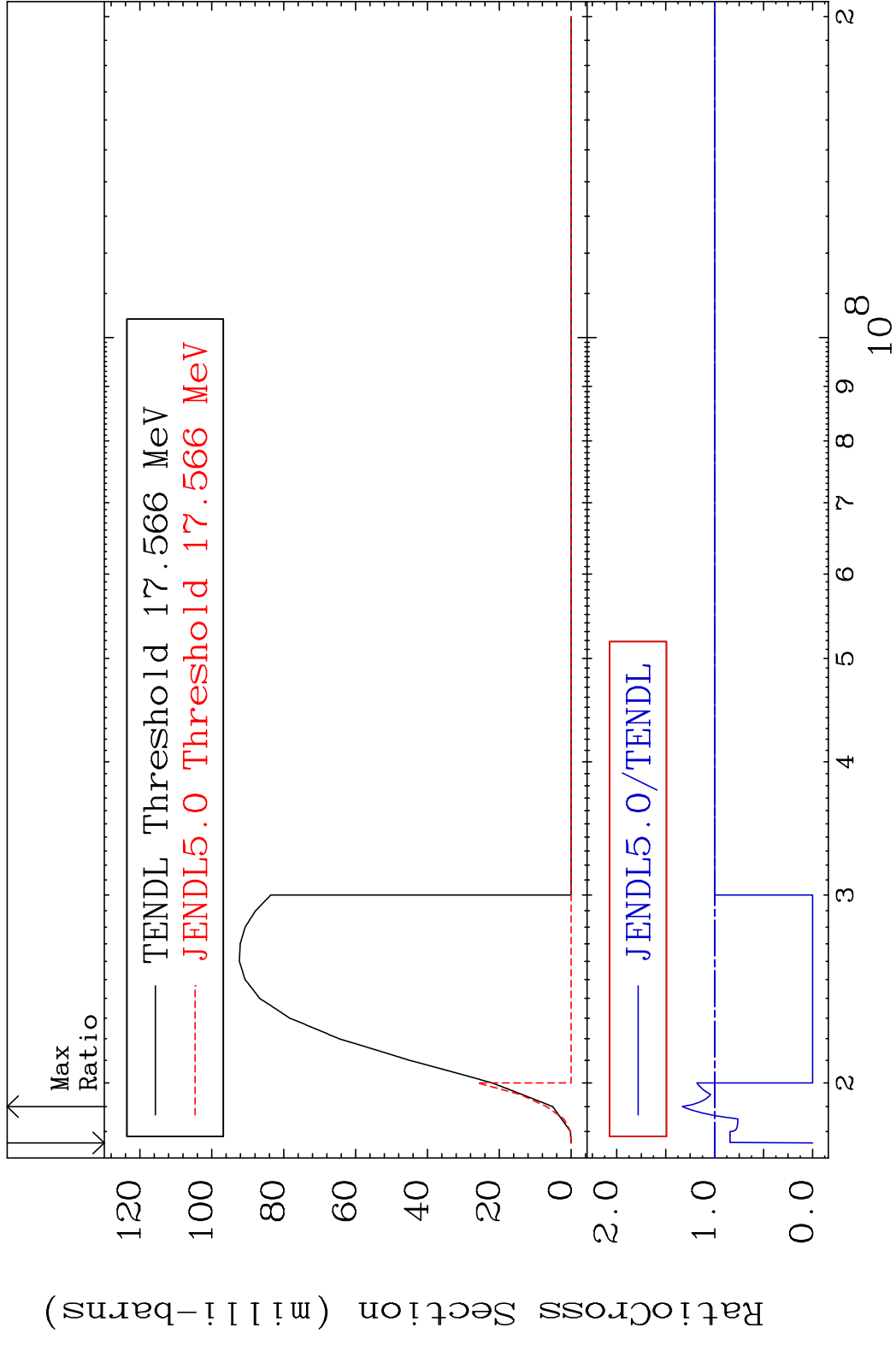


72 Incident Energy (eV) 43-Tc-97

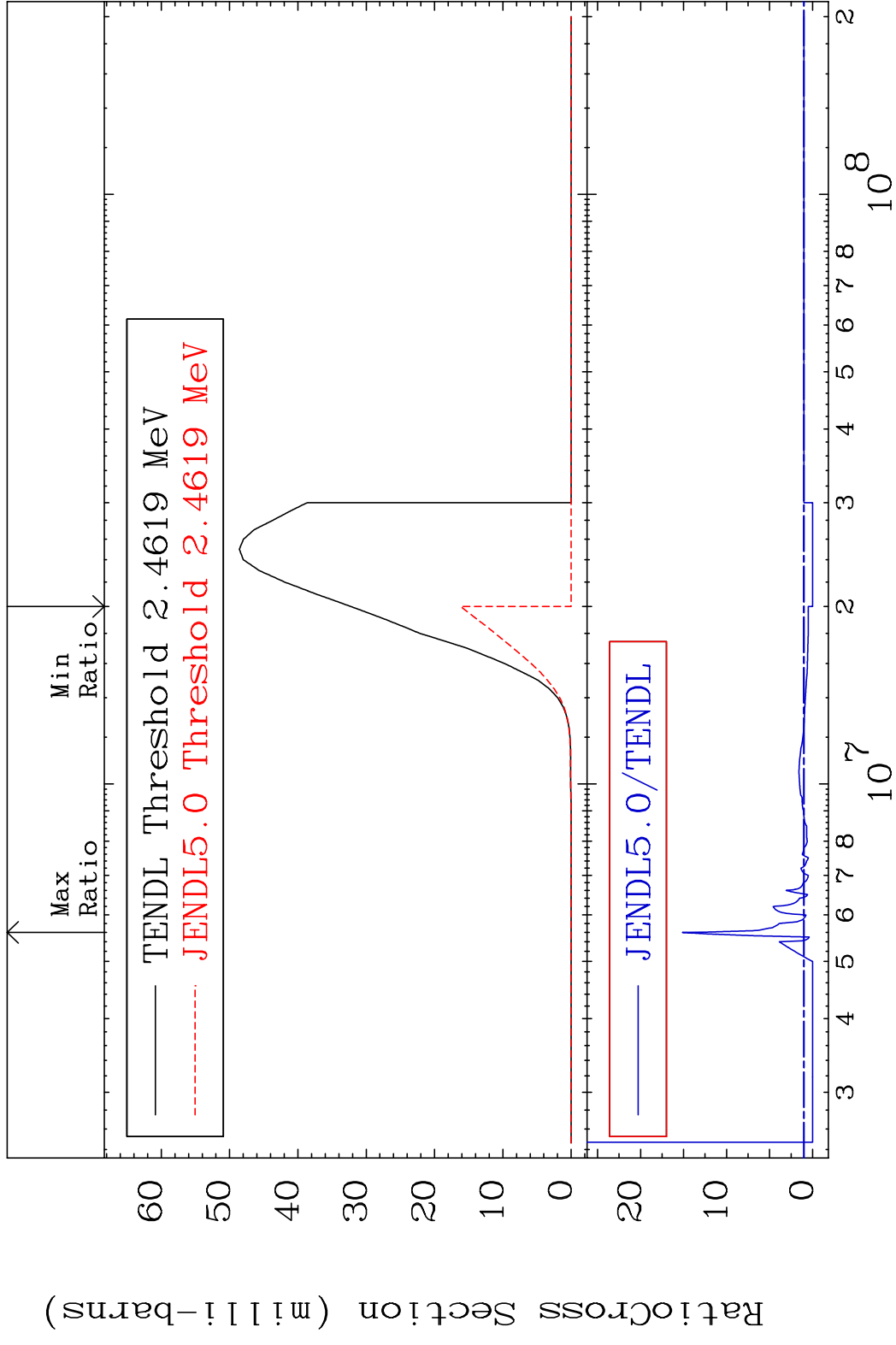
MAT 4319 (n,3n):43-Tc-95g 43-Tc-97
 Radionuclide Production Cross Section 15.33 %



MAT 4319 (n,3n):43-Tc-95m1 43-Tc-97
 Radionuclide Production Cross Section Ratio 33.02 %

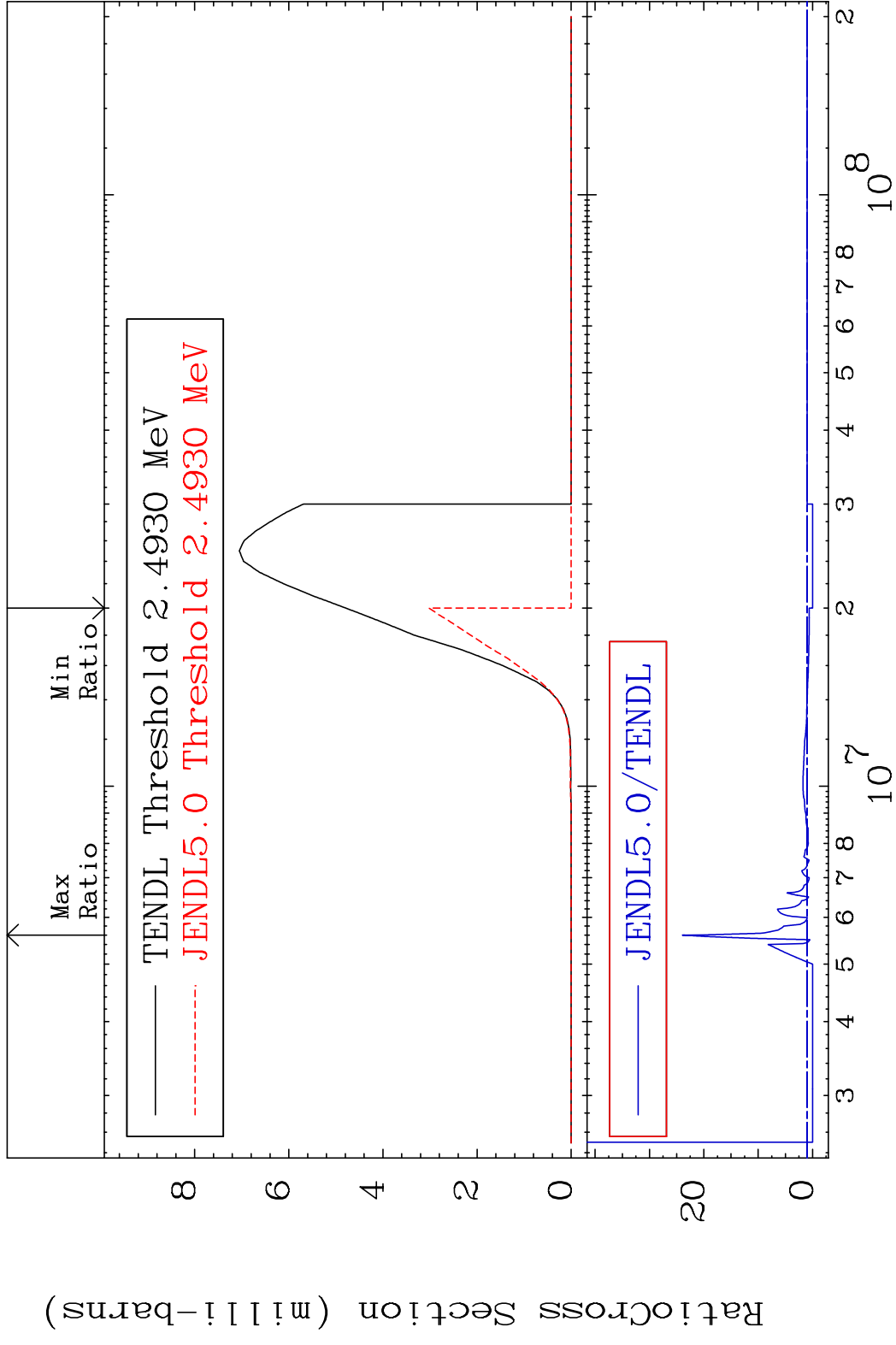


MAT 4319 (n, n') α :41-Nb-93g 43-Tc-97
 Radionuclide Production Cross Section 180.0 dth 1414. %

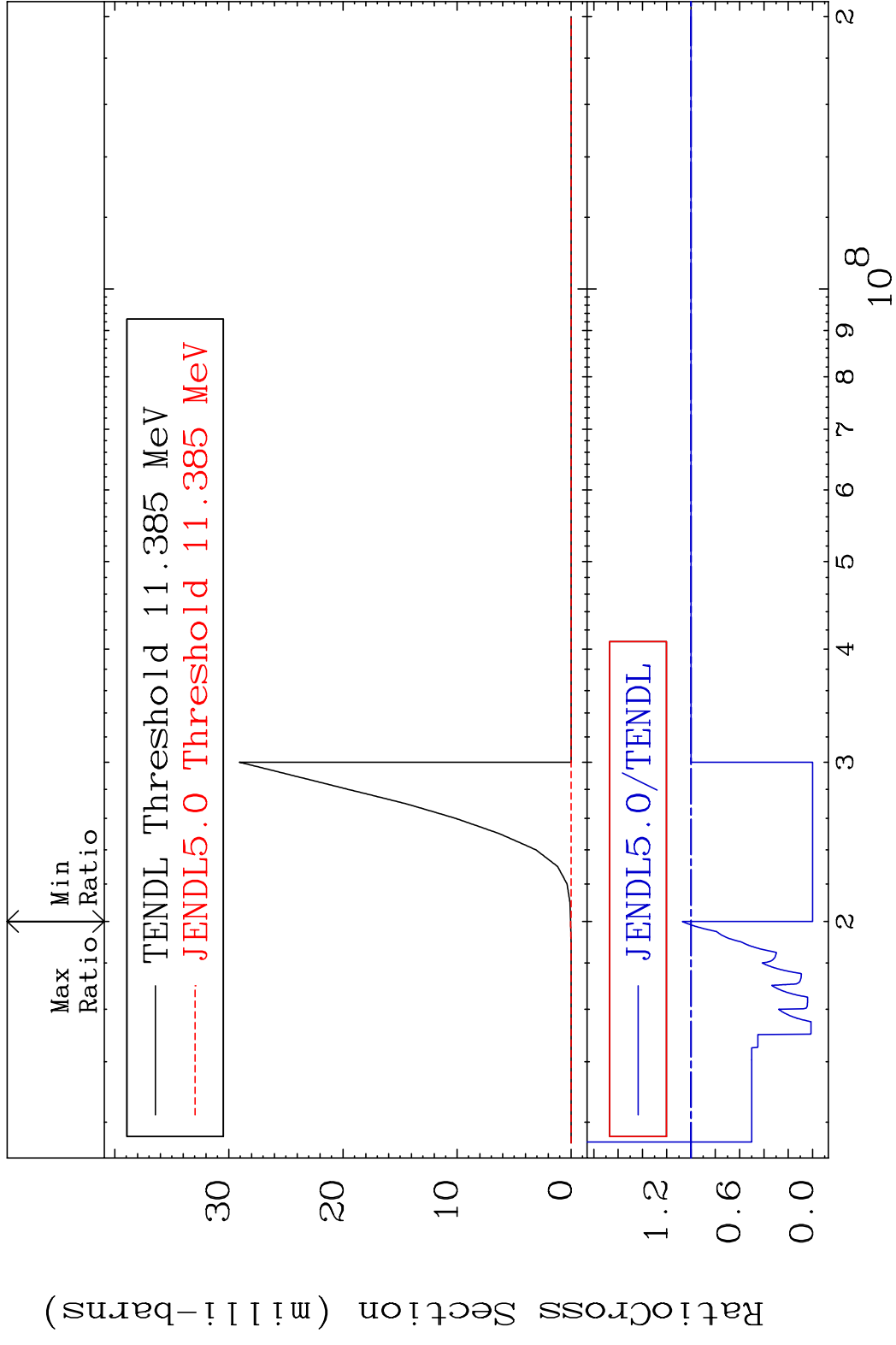


75 Incident Energy (eV) 43-Tc-97

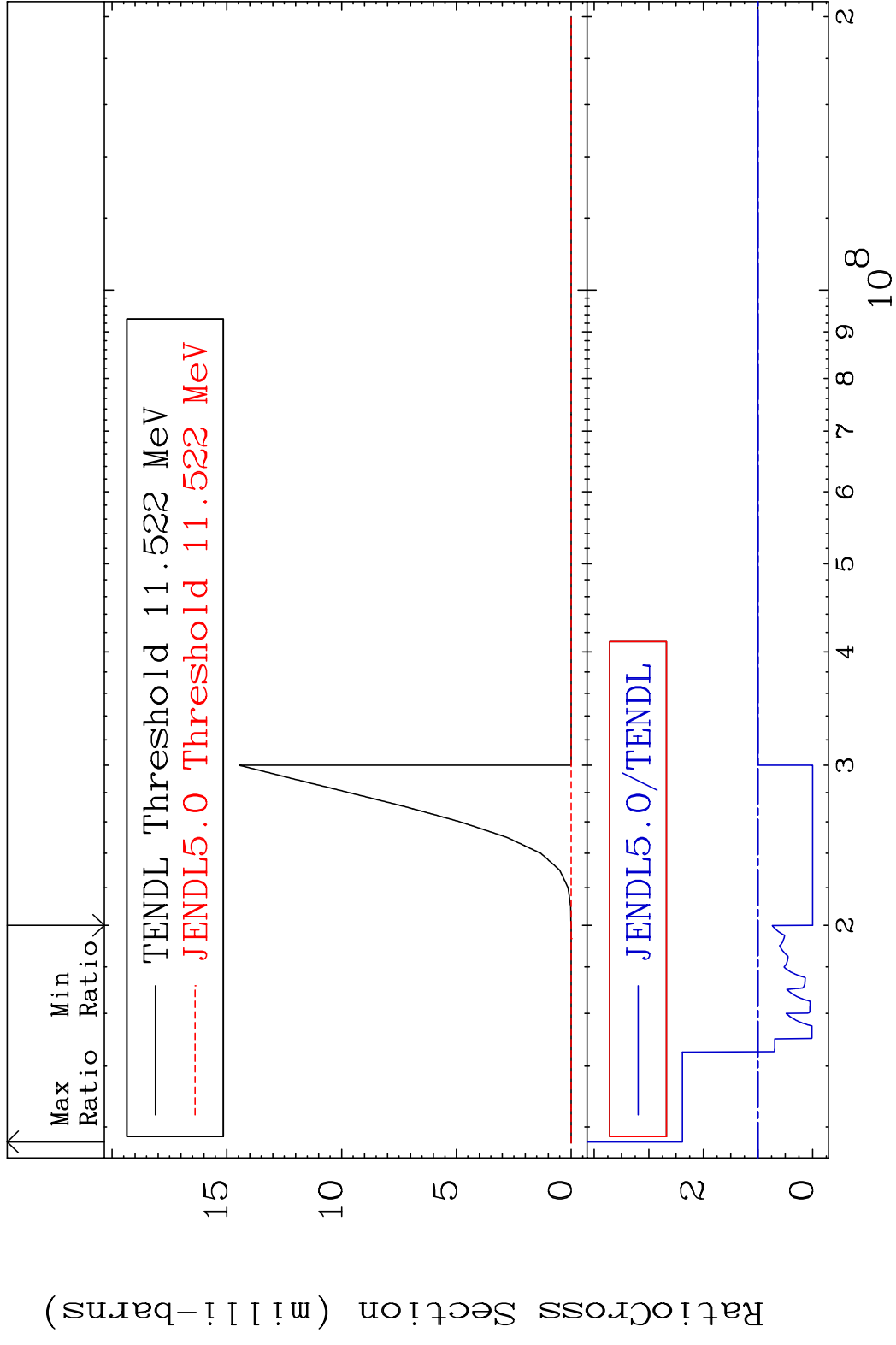
MAT 4319 (n, n') α :41-Nb-93m1 43-Tc-97
 Radionuclide Production Cross Section Ratio 2295. %



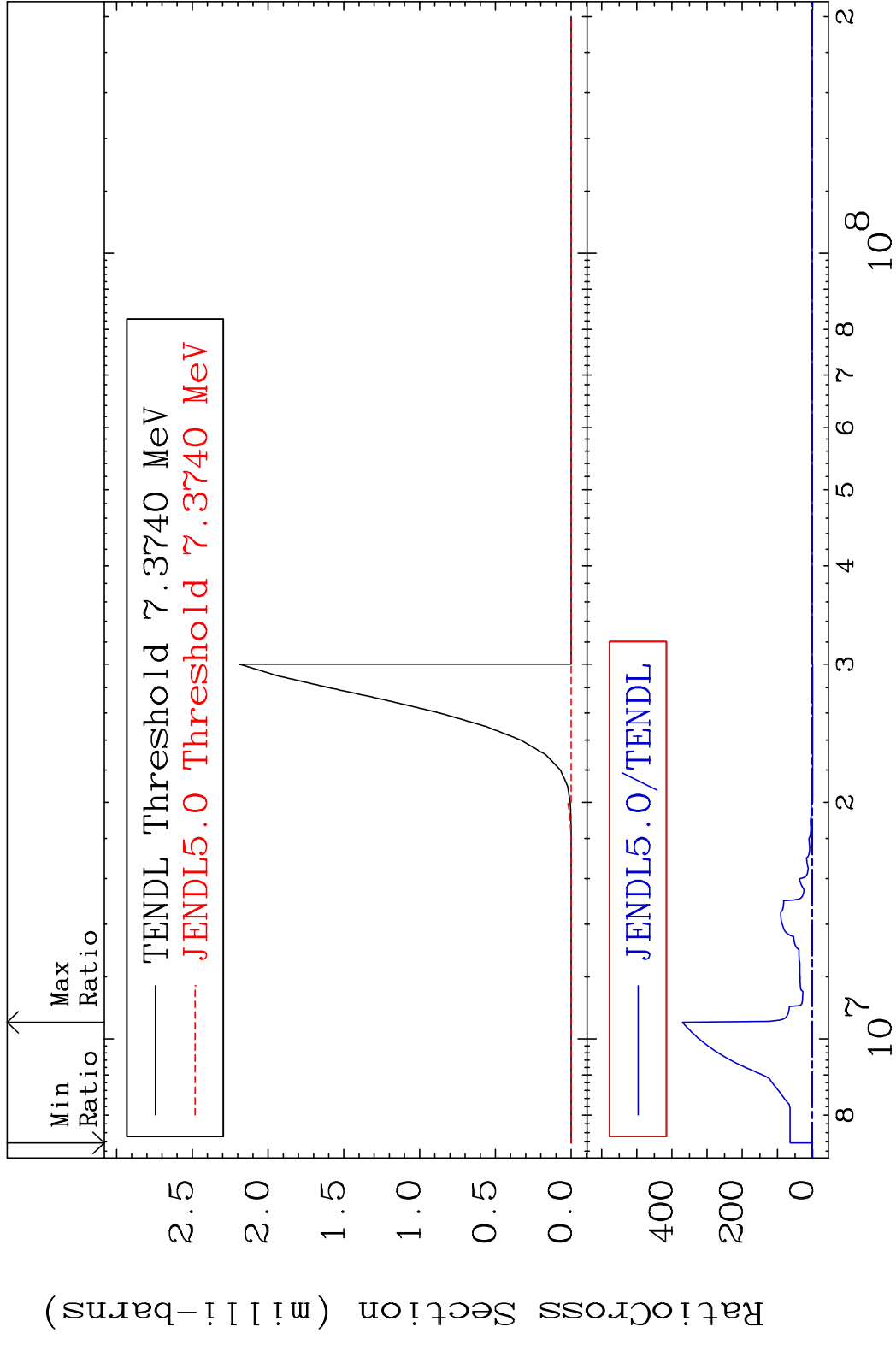
MAT 4319 (n,2n) α :41-Nb-92g 43-Tc-97
 Radionuclide Production Cross Section Ratio 7.137 %



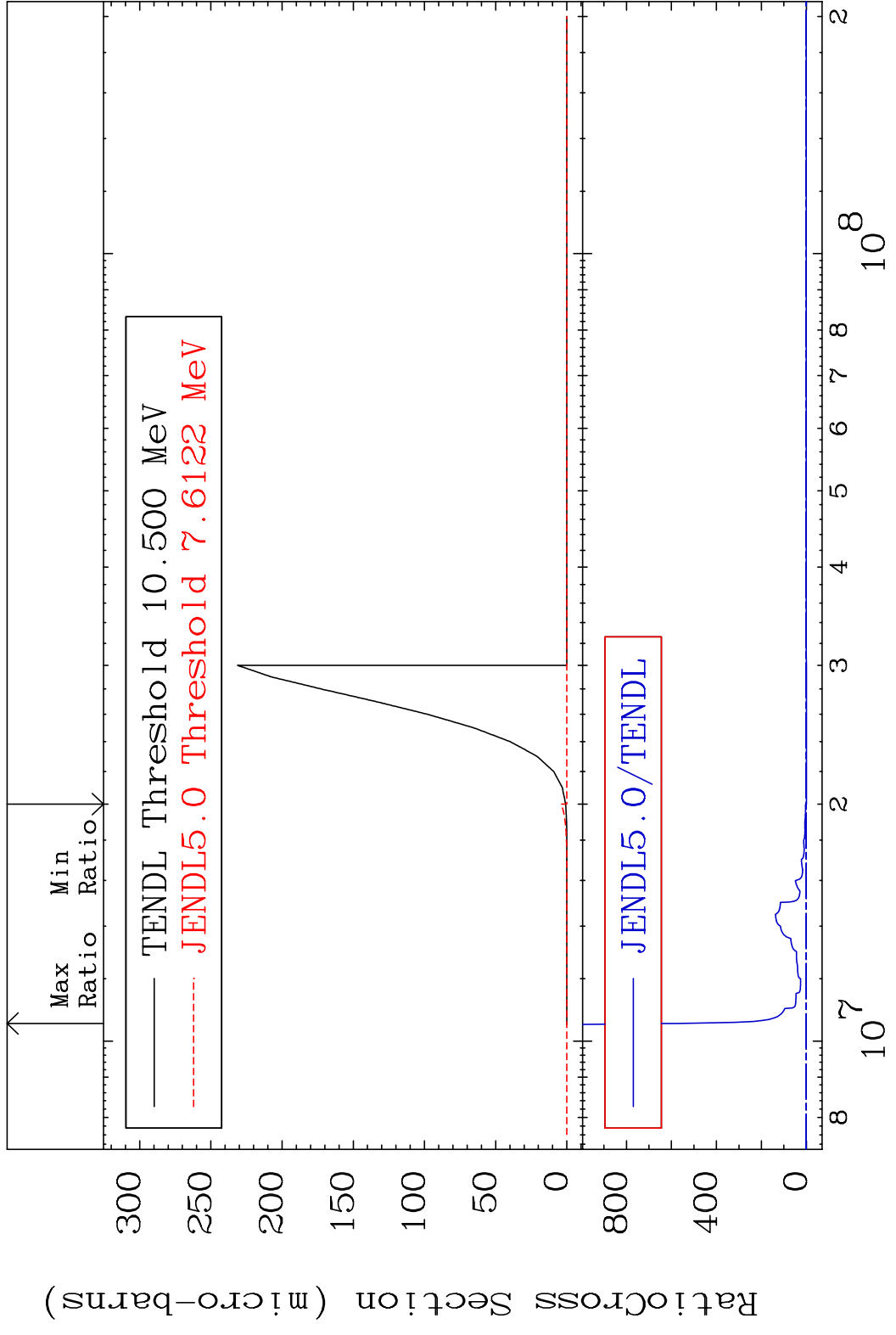
MAT 4319 (n,2n) α :41-Nb-92m1 43-Tc-97
 Radionuclide Production Cross Section 138.5 %



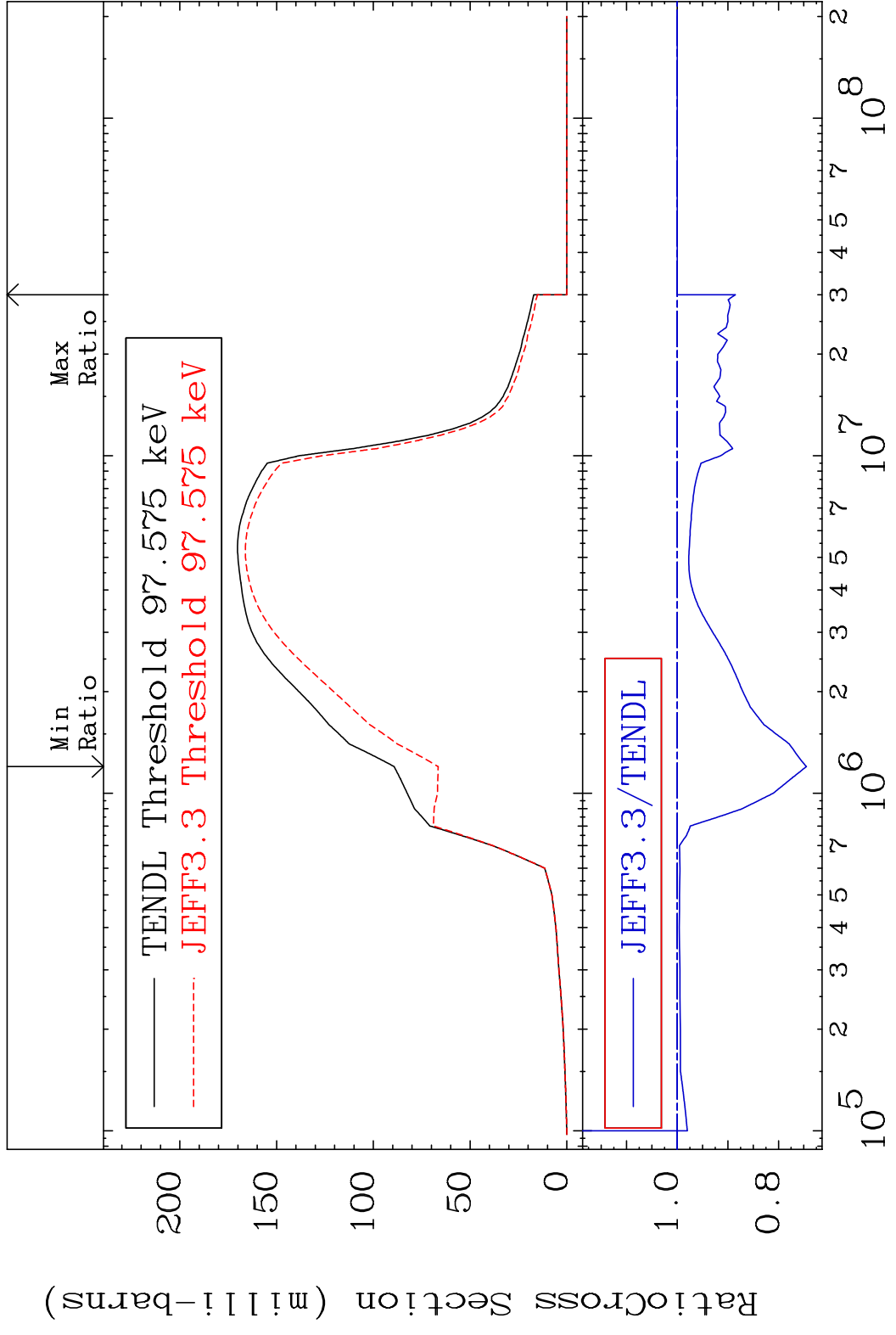
MAT 4319 (n, He-3): 41-Nb-95g 43-Tc-97
 Radionuclide Production Cross Section Ratio 9999. %

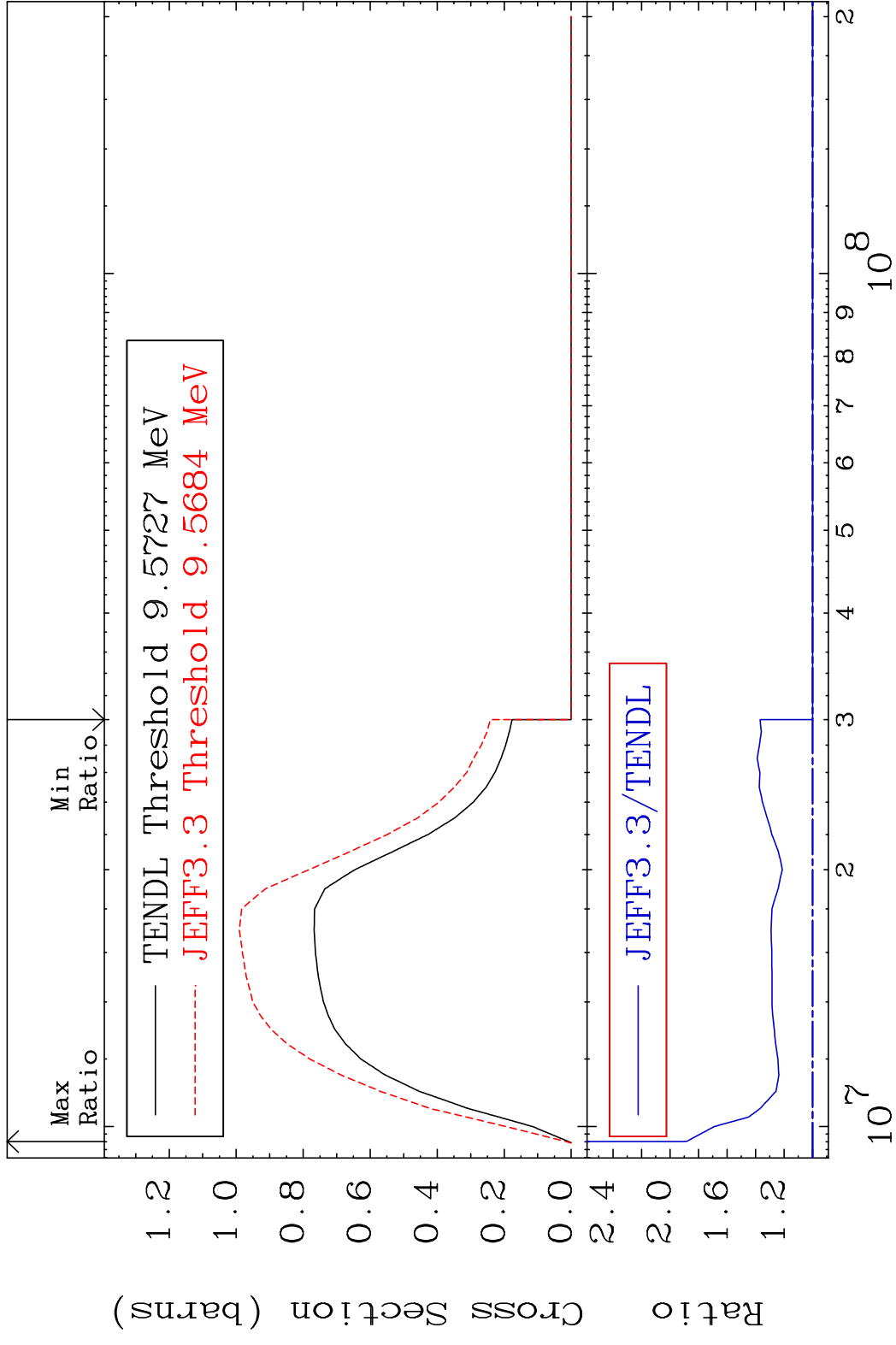


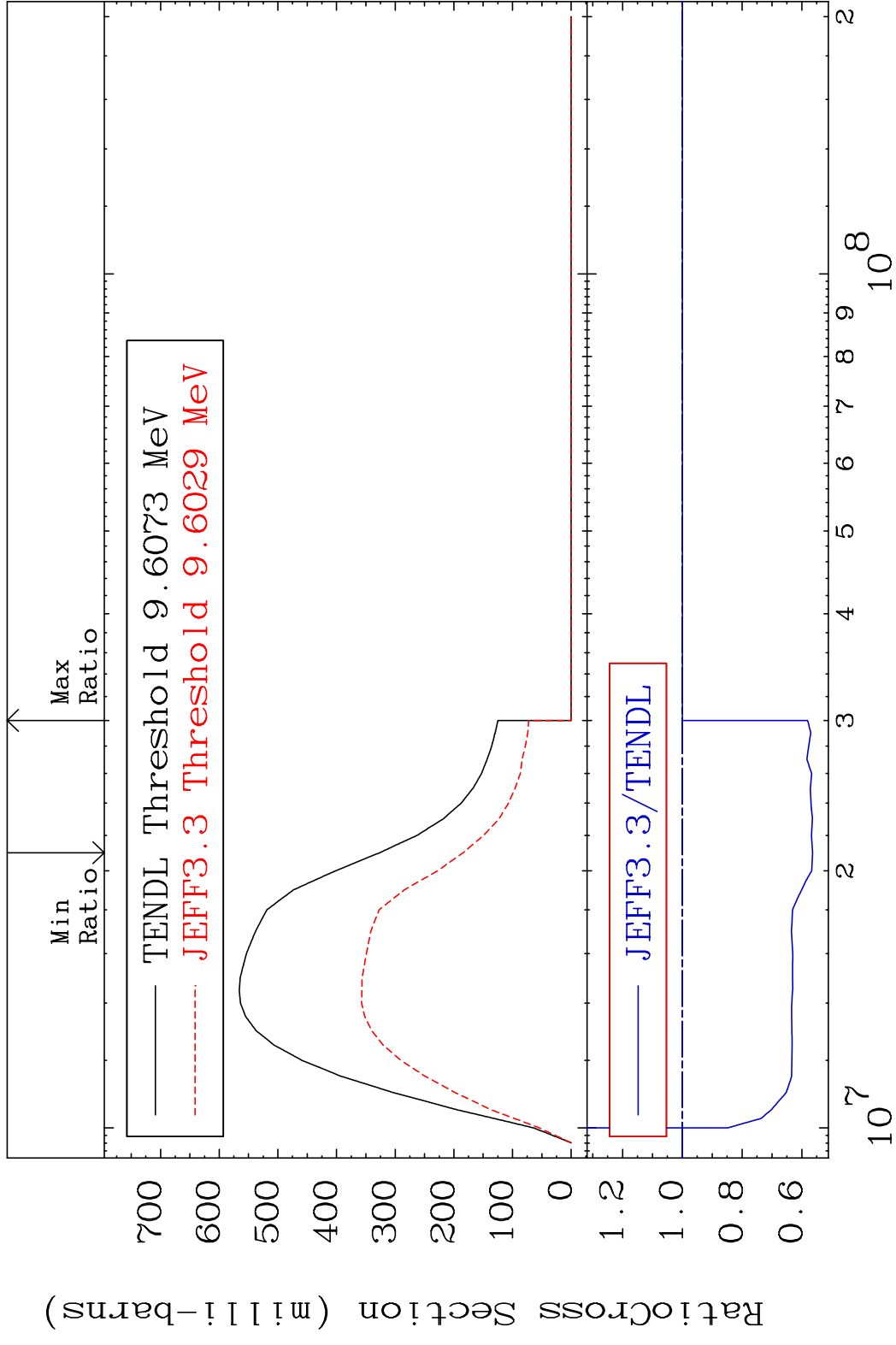
MAT 4319 (n, He-3):41-Nb-95m1 43-Tc-97
 Radionuclide Production Cross Section Ratio 9999. %



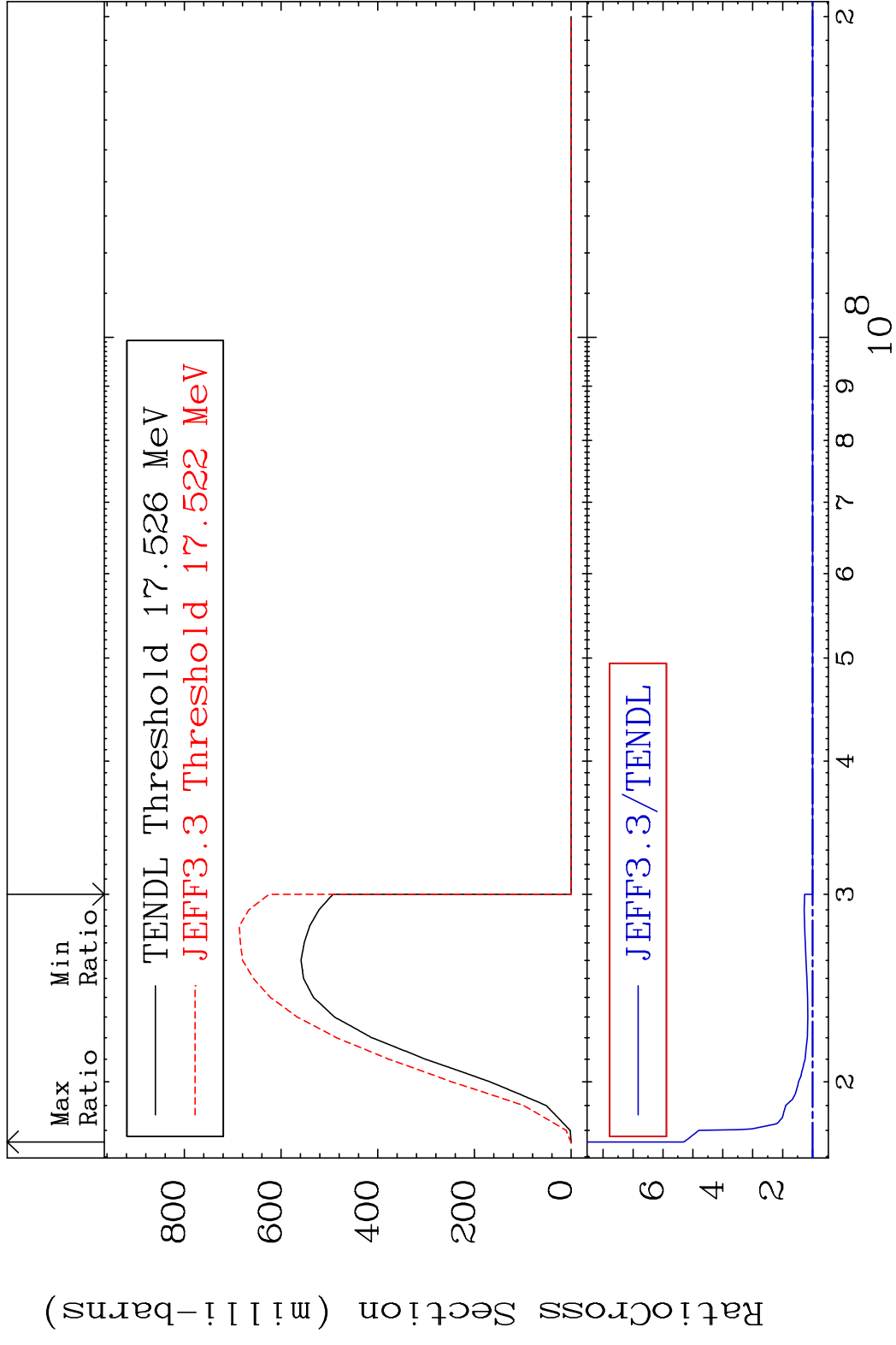
80 80 Incident Energy (eV) 43-Tc-97



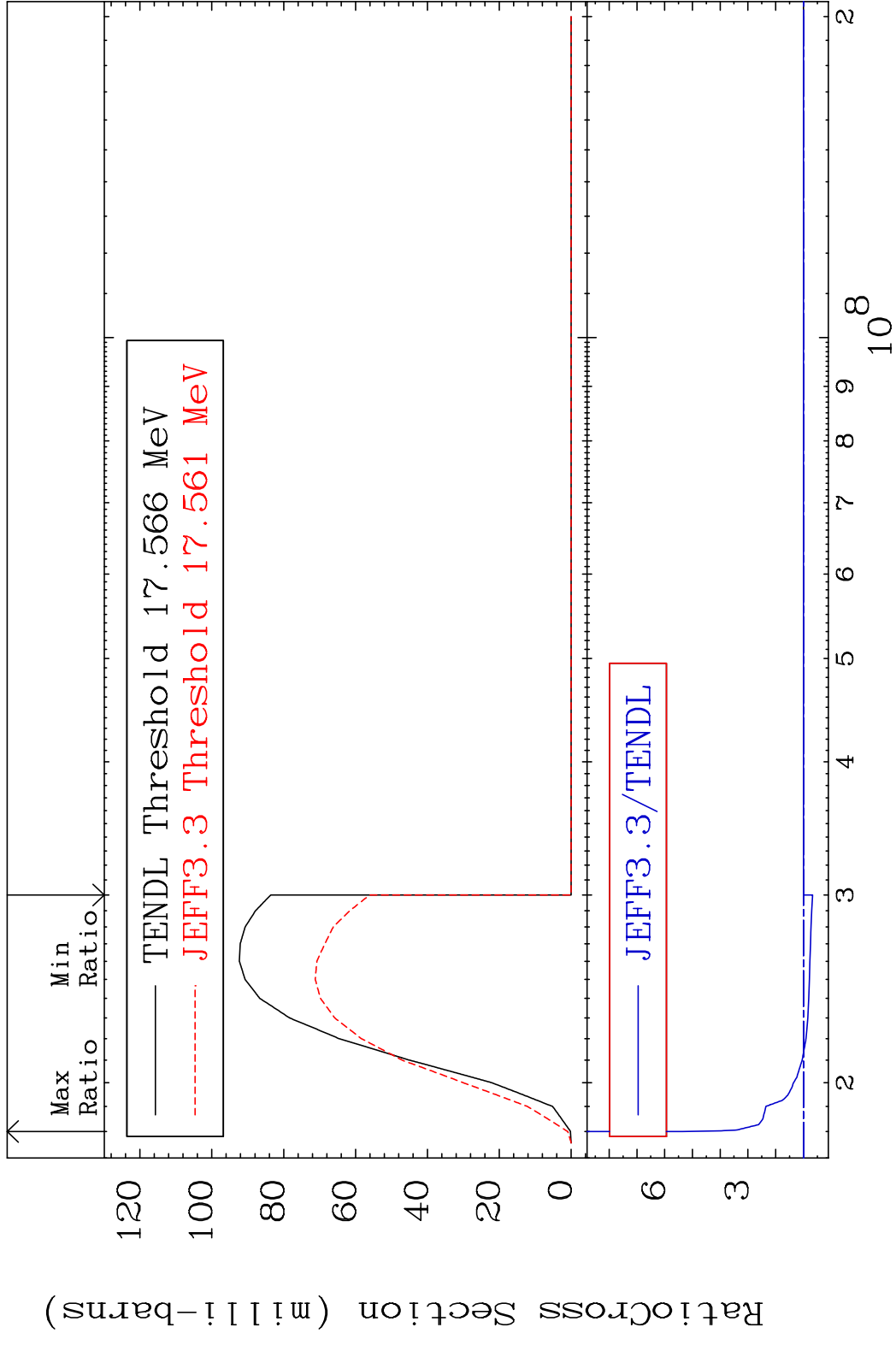




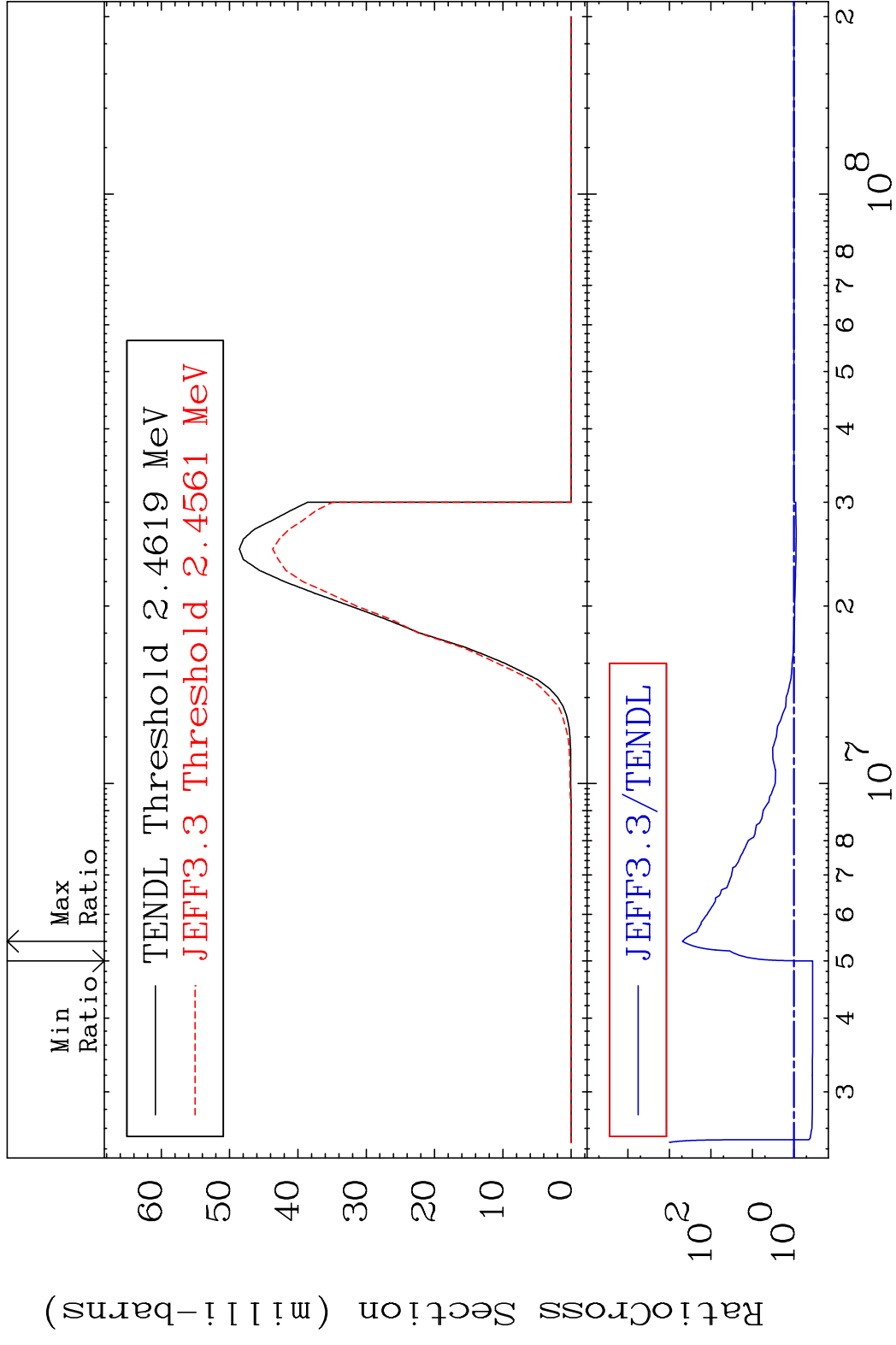
MAT 4319 (n,3n):43-Tc-95g 43-Tc-97
 Radionuclide Production Cross Section 435.2 %



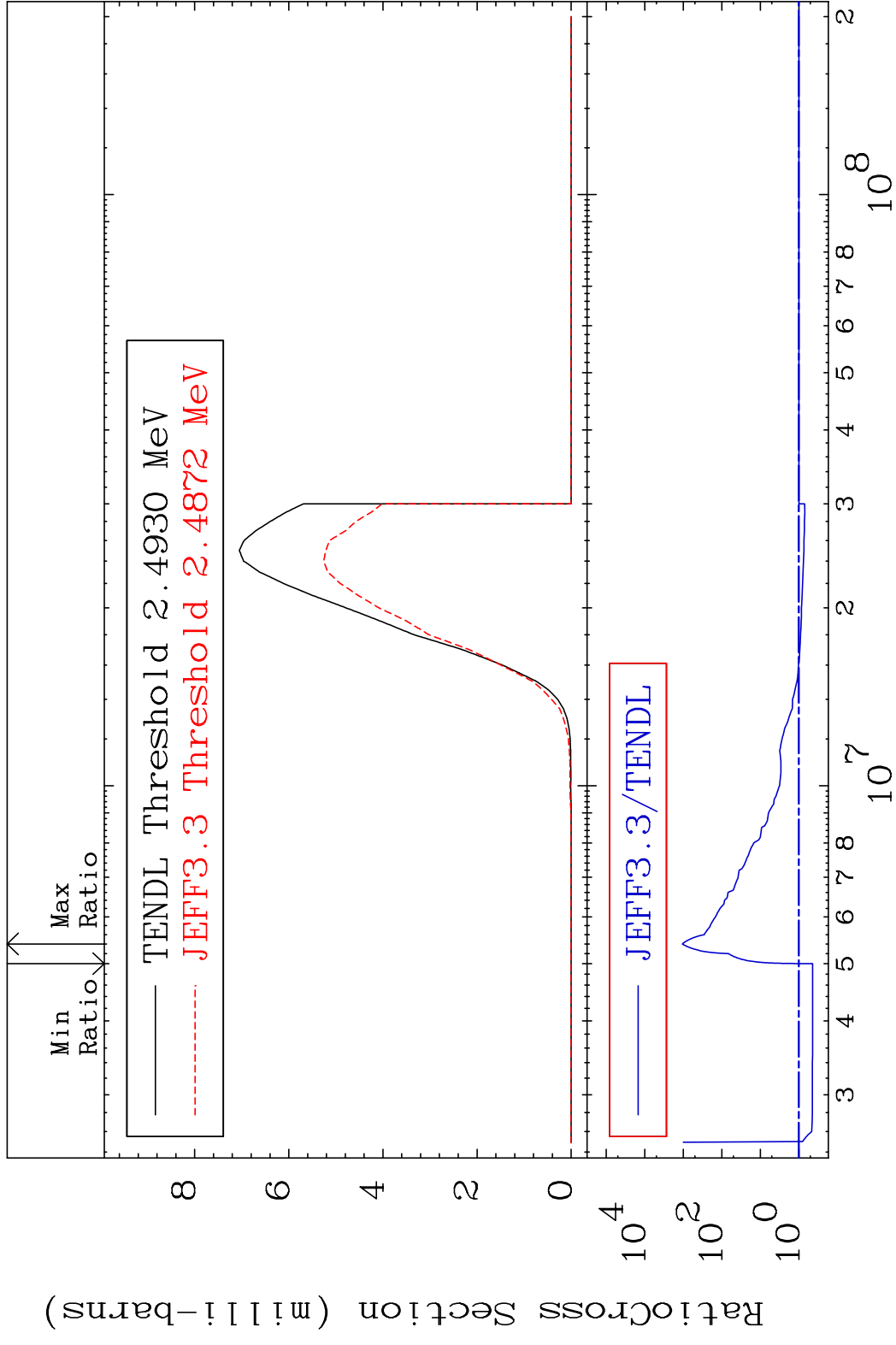
MAT 4319 (n,3n):43-Tc-95m1 43-Tc-97
 Radionuclide Production Cross Section 32.95 d10 436.2 %



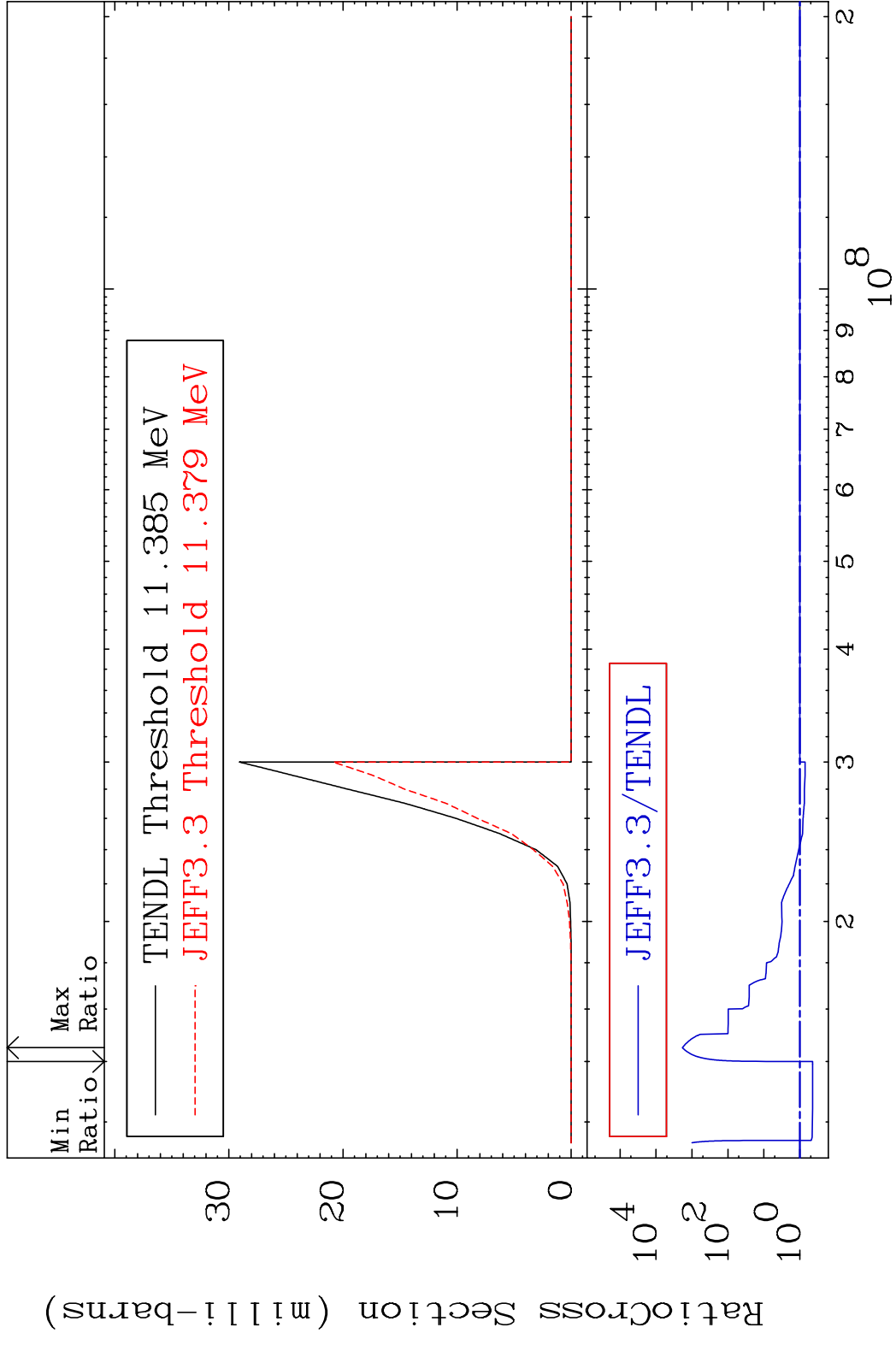
MAT 4319 (n, n') α : 41-Nb-93g 43-Tc-97
 Radionuclide Production Cross Section 9999. %



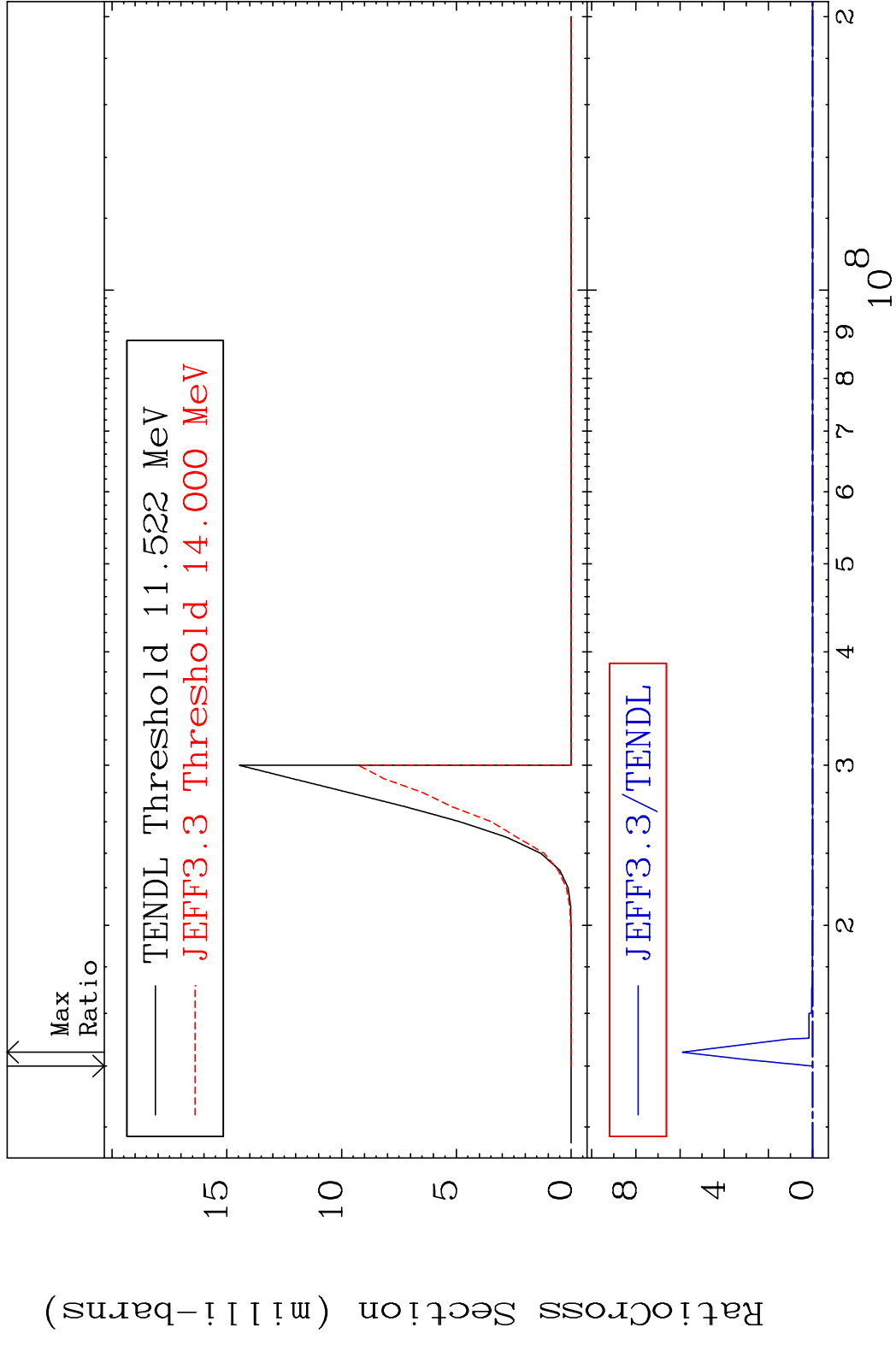
MAT 4319 (n, n') α :41-Nb-93m1 43-Tc-97
 Radionuclide Production Cross Section 58604110 9999. %



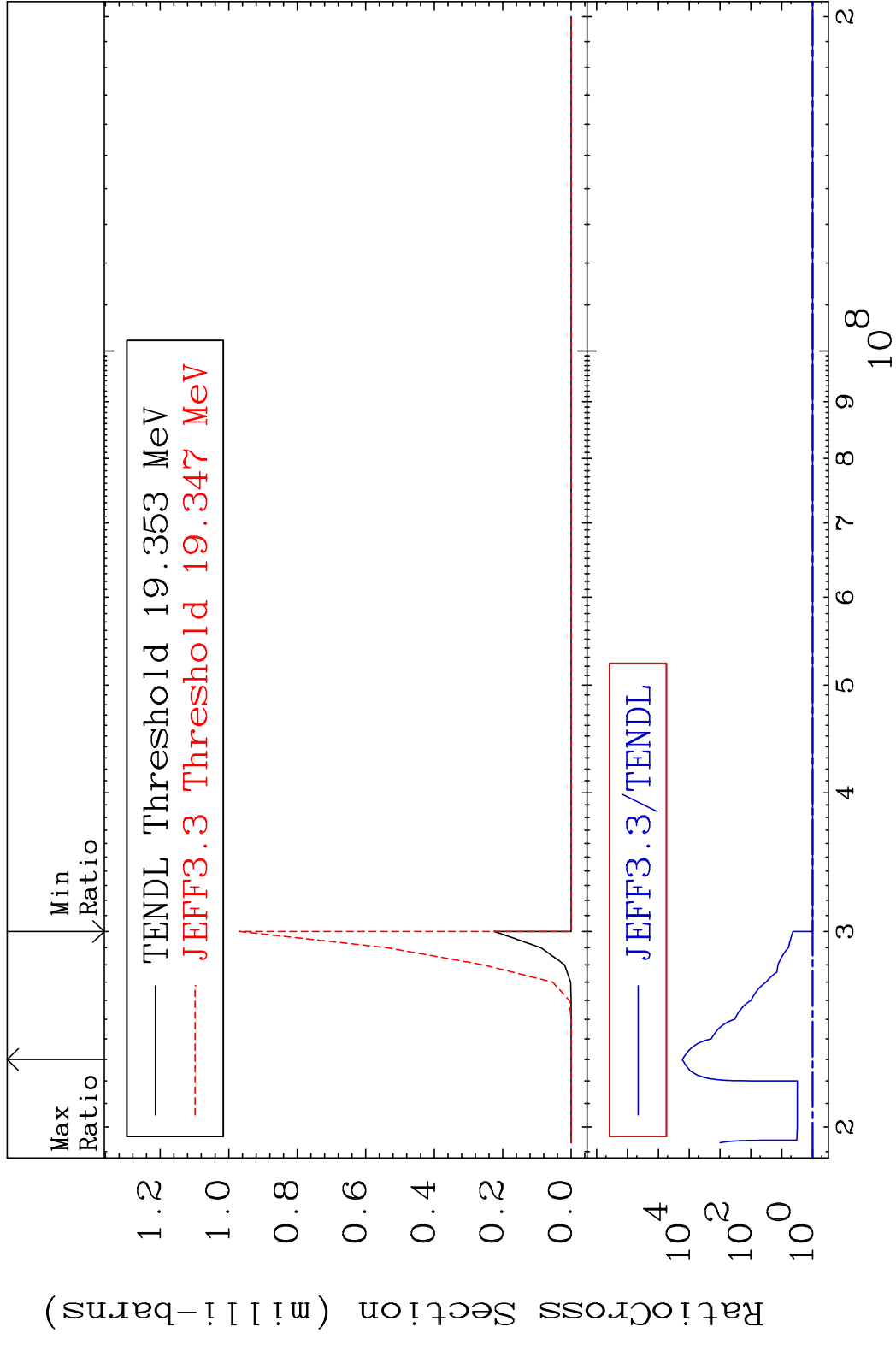
MAT 4319 (n,2n) α :41-Nb-92g 43-Tc-97
 Radionuclide Production Cross Section to 9999. %



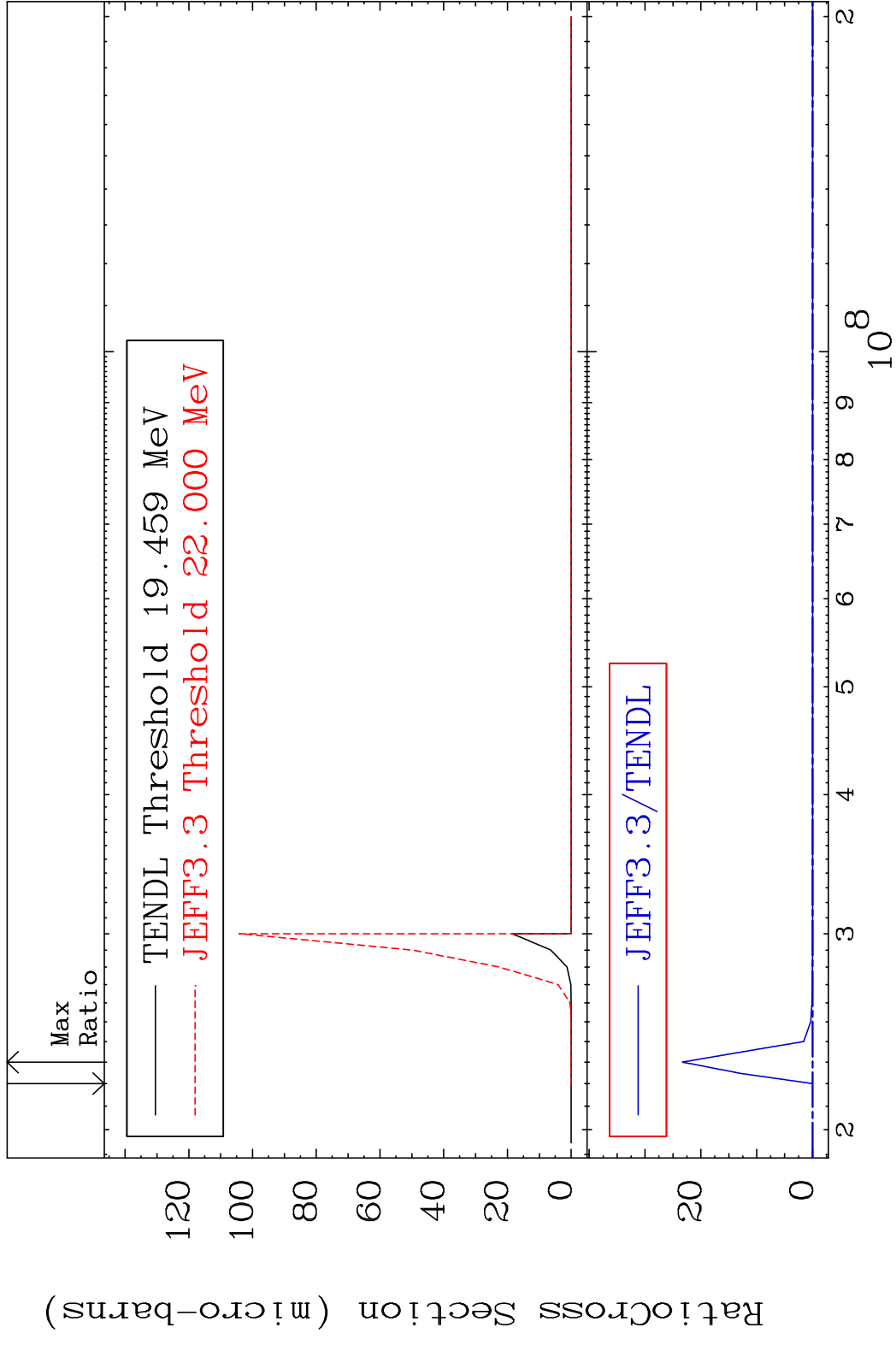
MAT 4319 (n,2n) α :41-Nb-92m1 43-Tc-97
 Radionuclide Production Cross Section 100.00 % 9999. %

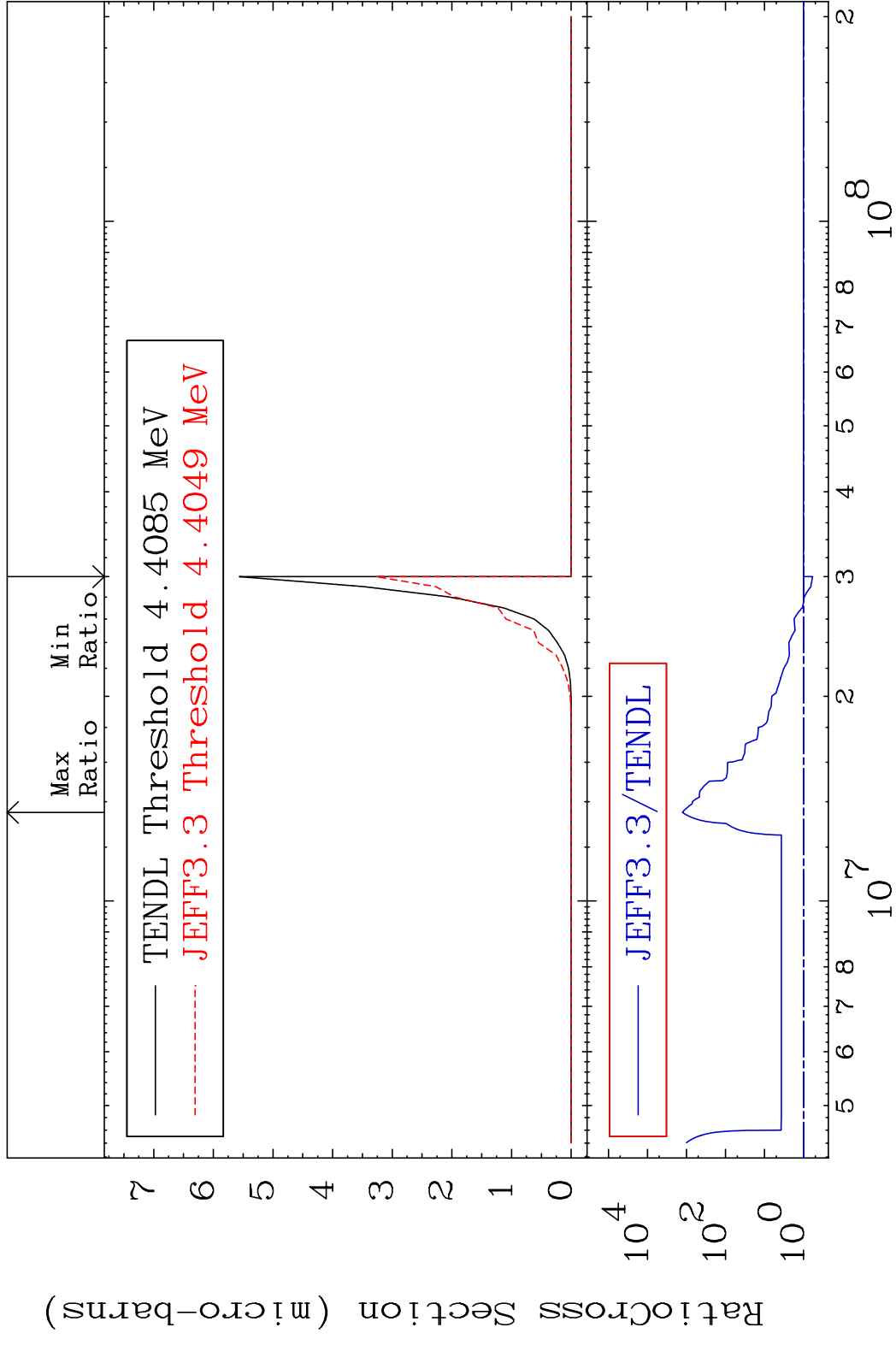


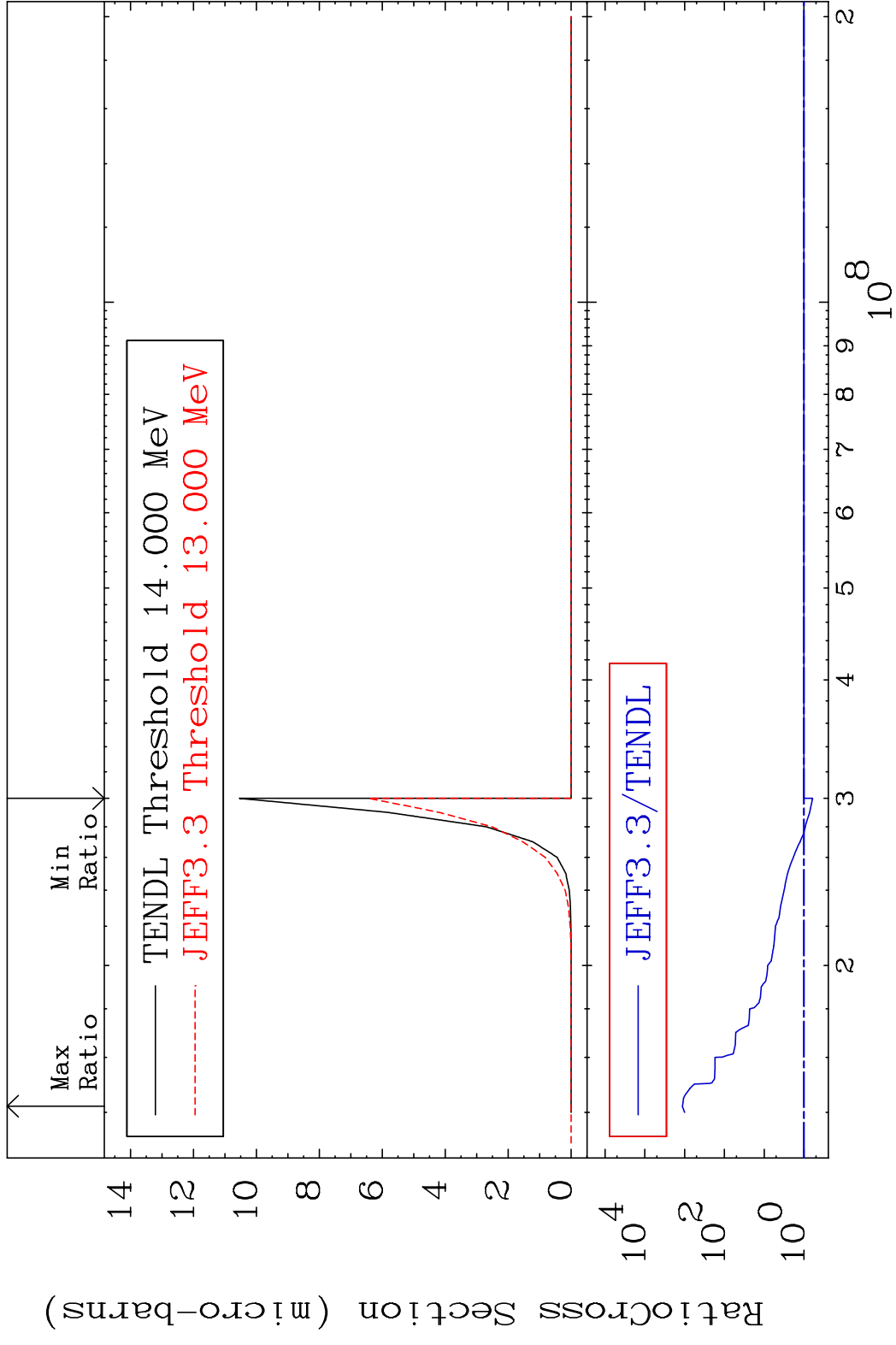
MAT 4319 (n,3n) α :41-Nb-91g 43-Tc-97
 Radionuclide Production Cross Section 9999. %

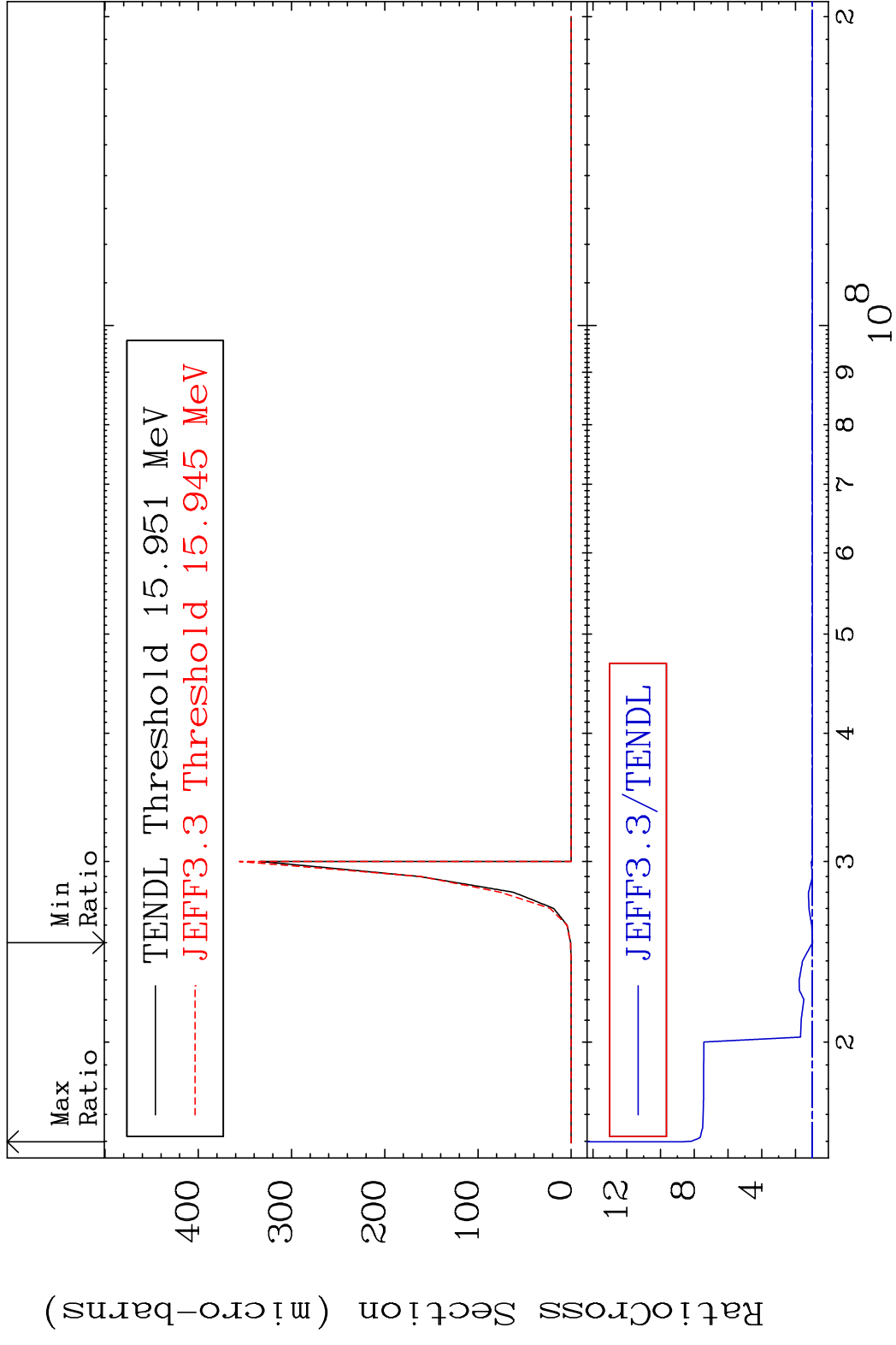


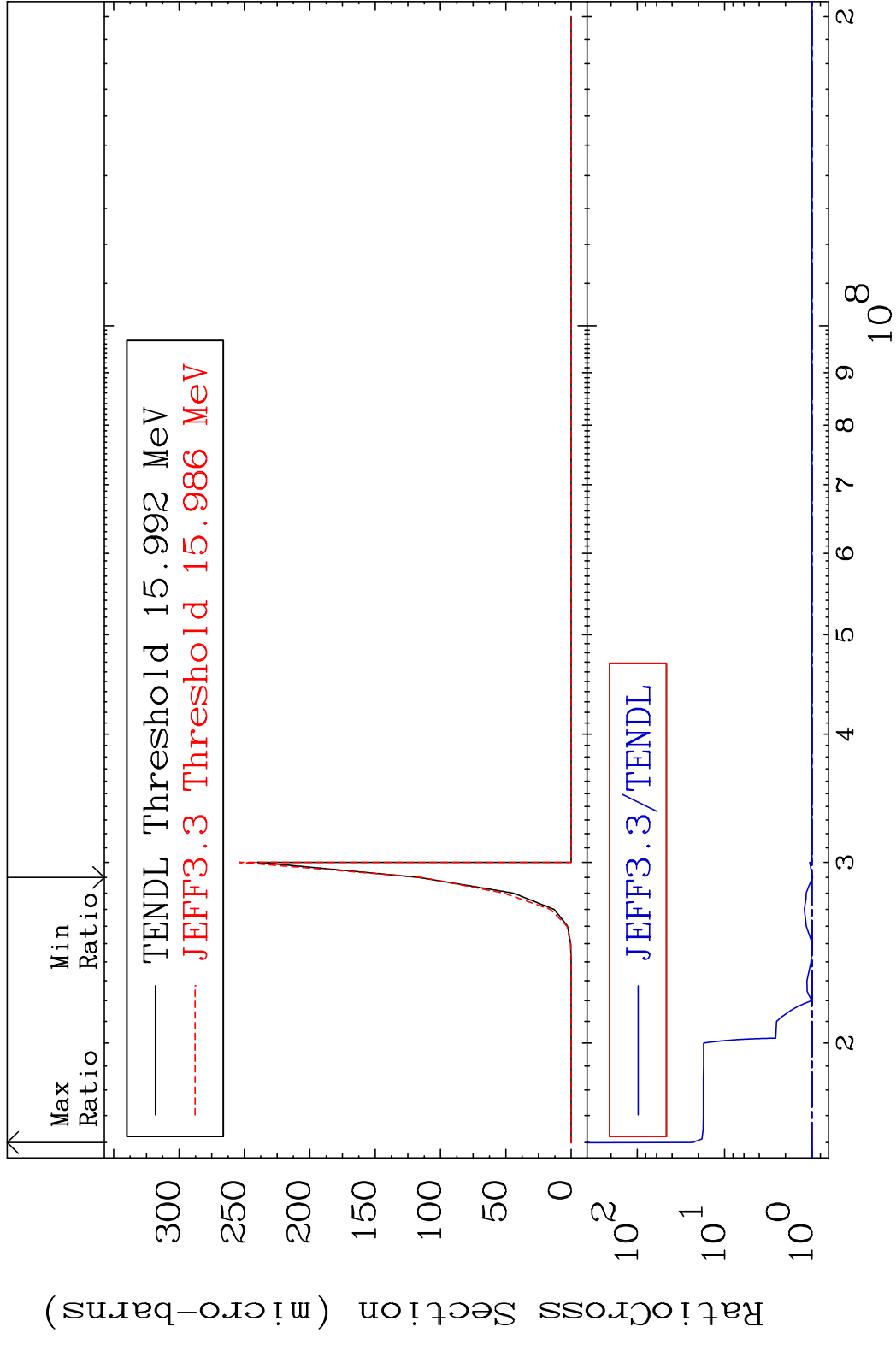
MAT 4319 (n,3n) α :41-Nb-91m1 43-Tc-97
 Radionuclide Production Cross Section 100.00 to 9999.00 %

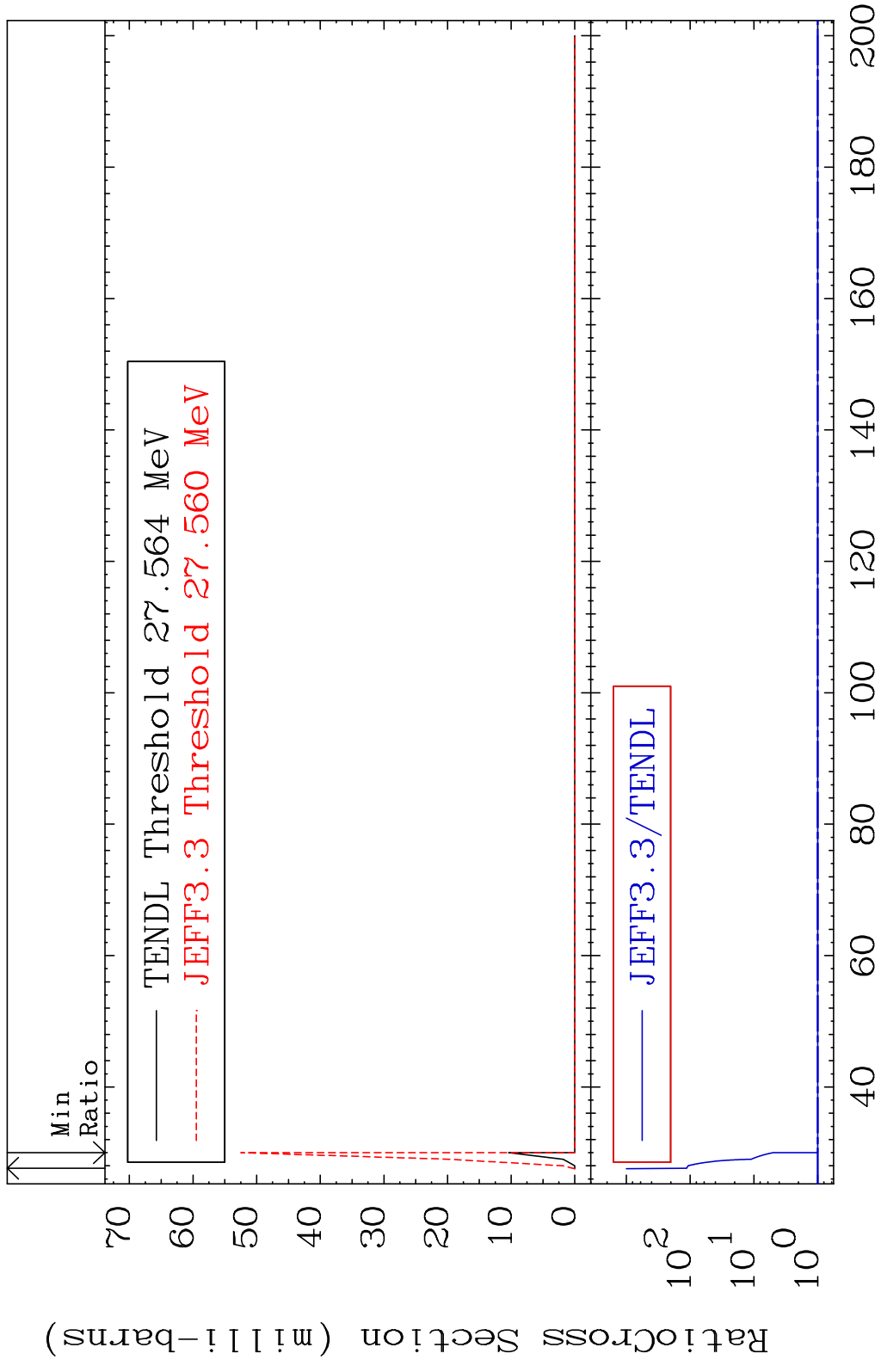




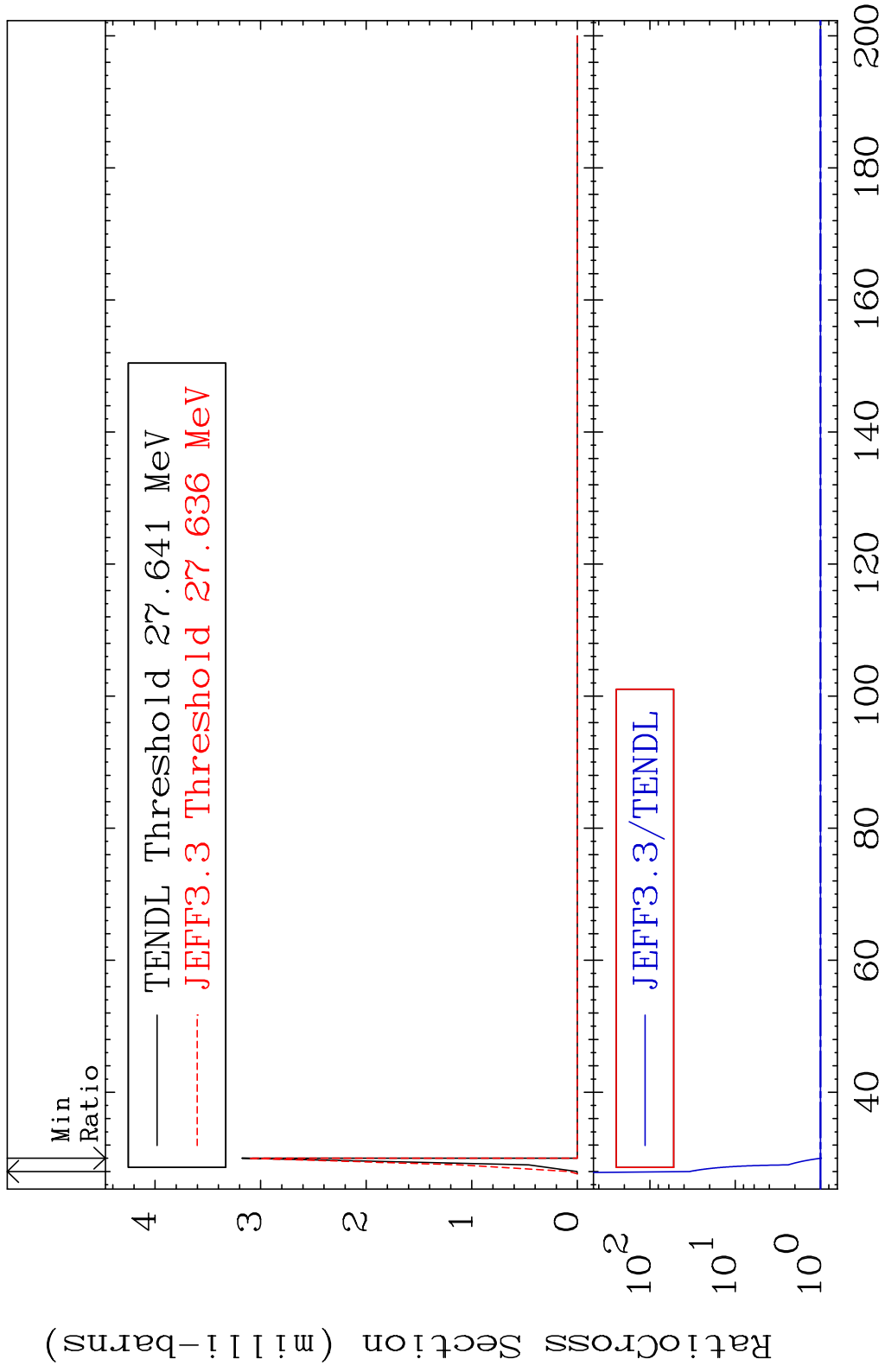


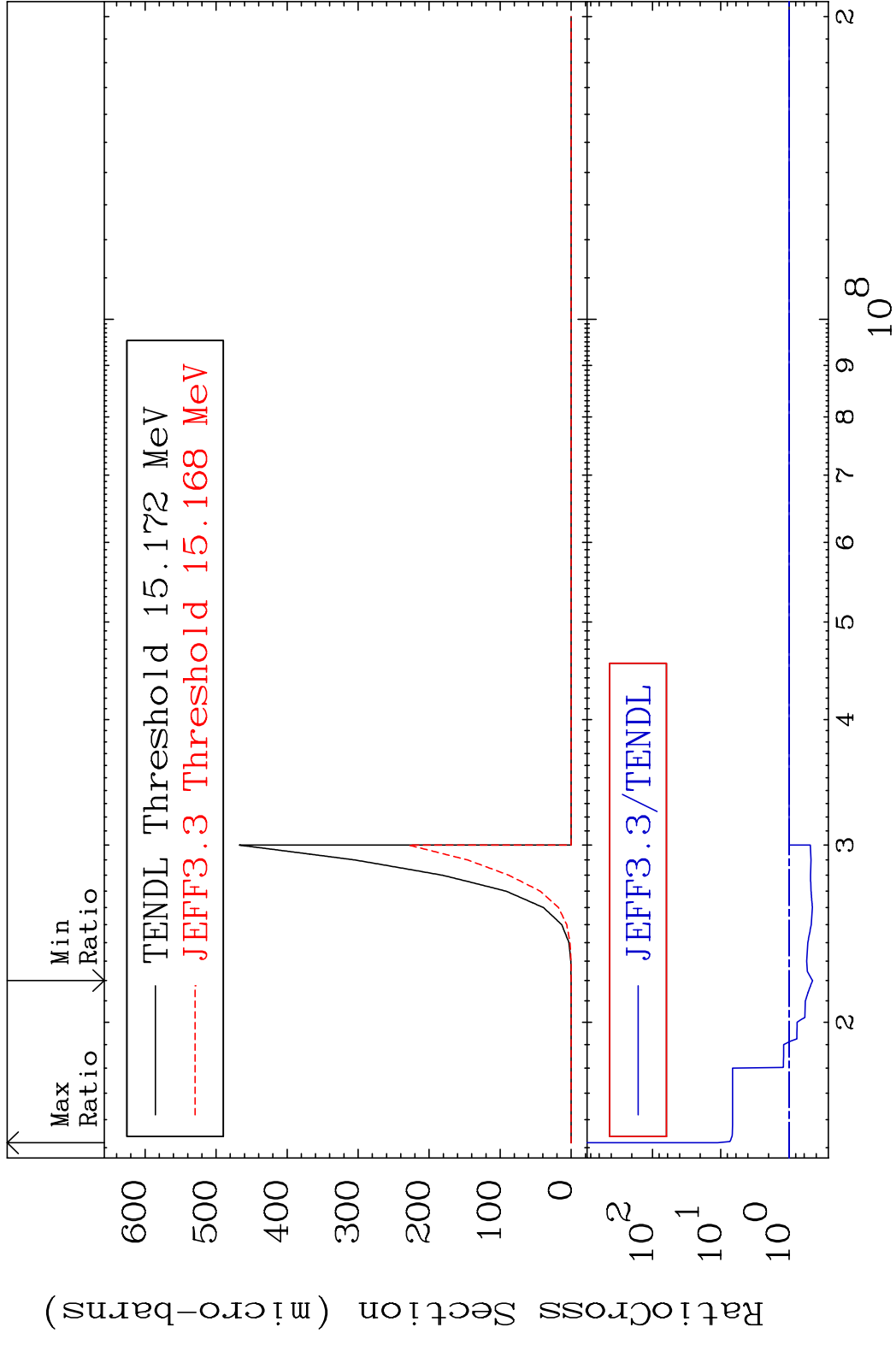


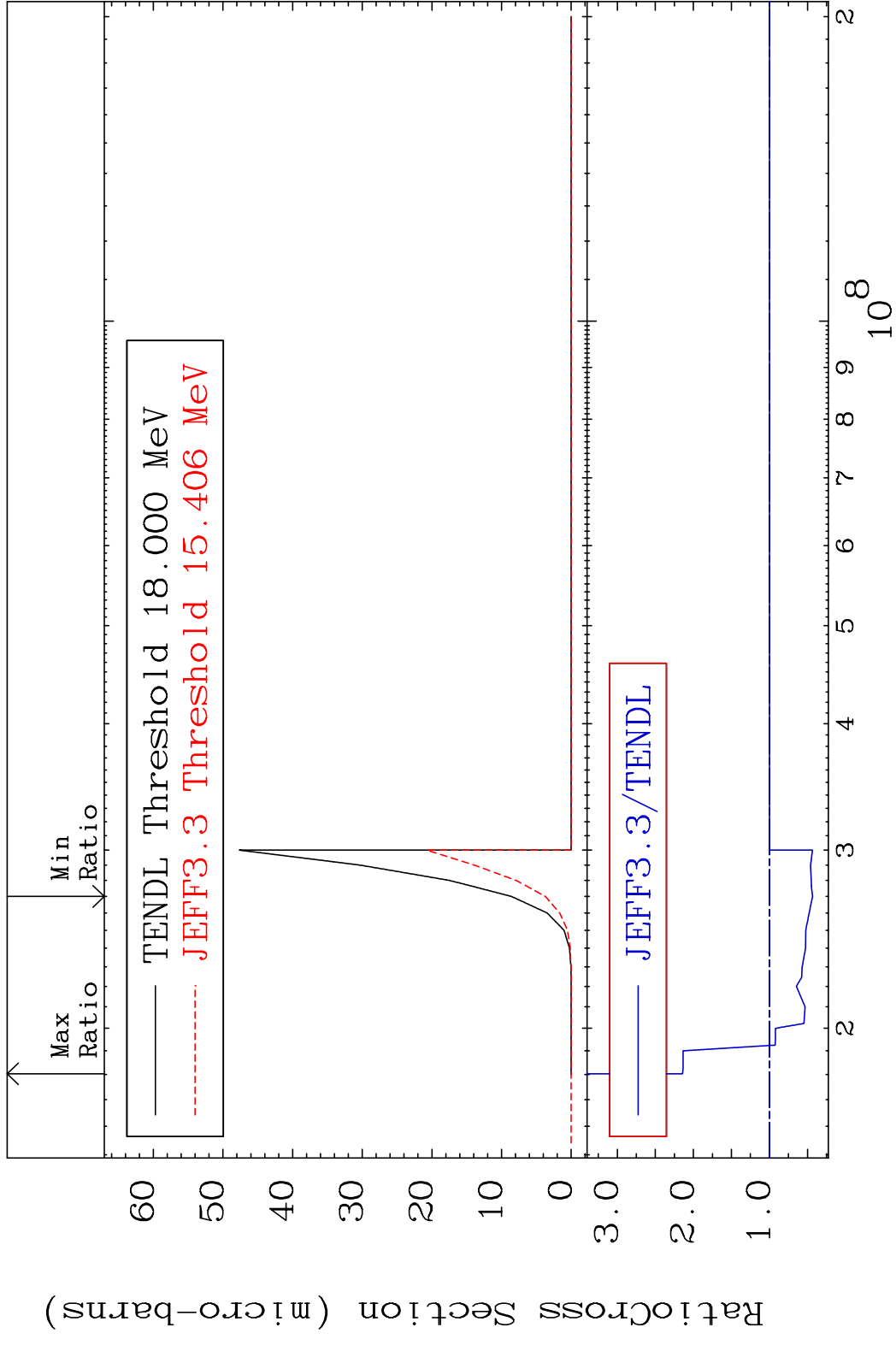




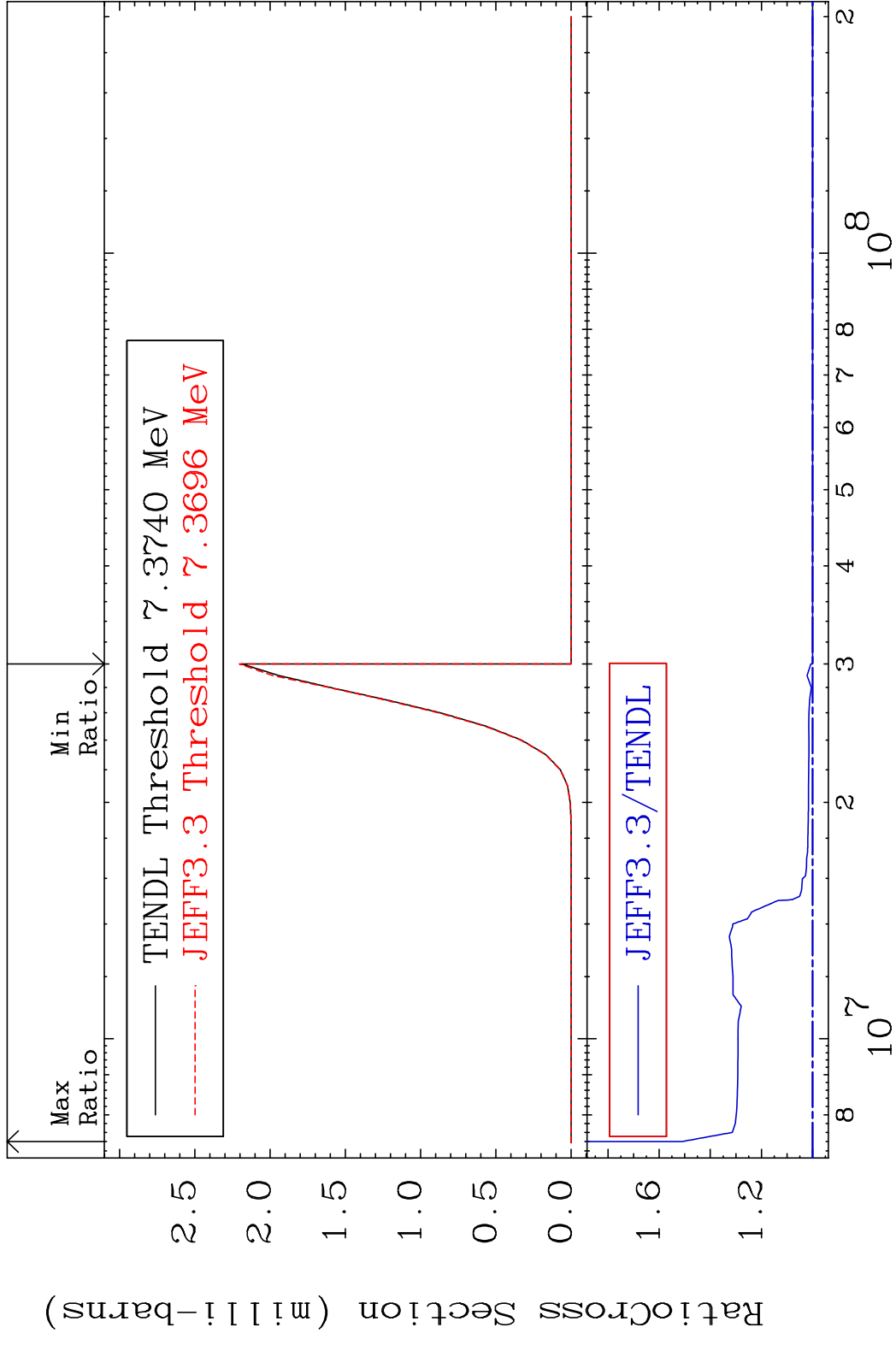
MAT 4319 (n,4n):43-Tc-94m1 43-Tc-97
 Radionuclide Production Cross Section 3319. %



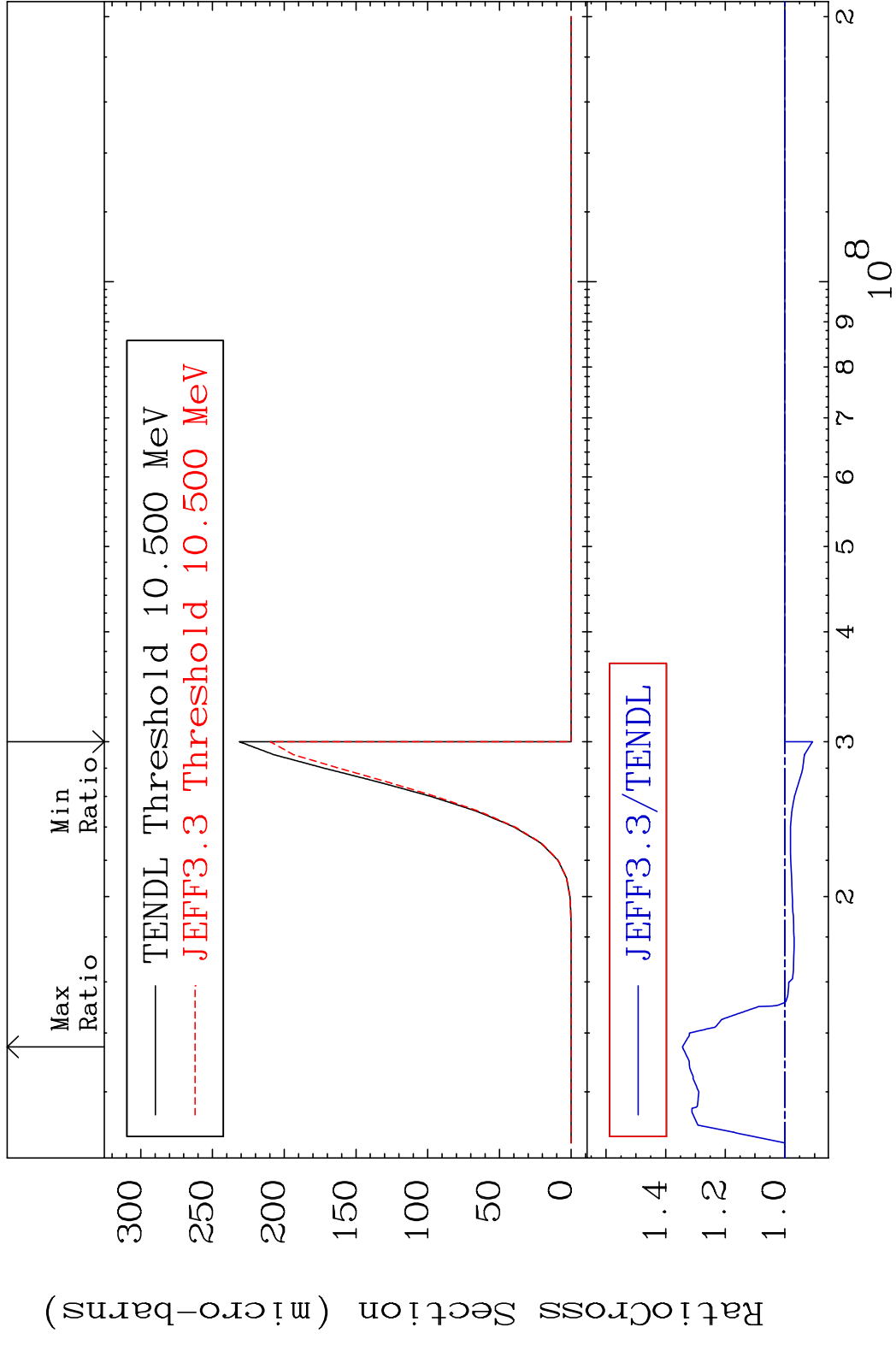


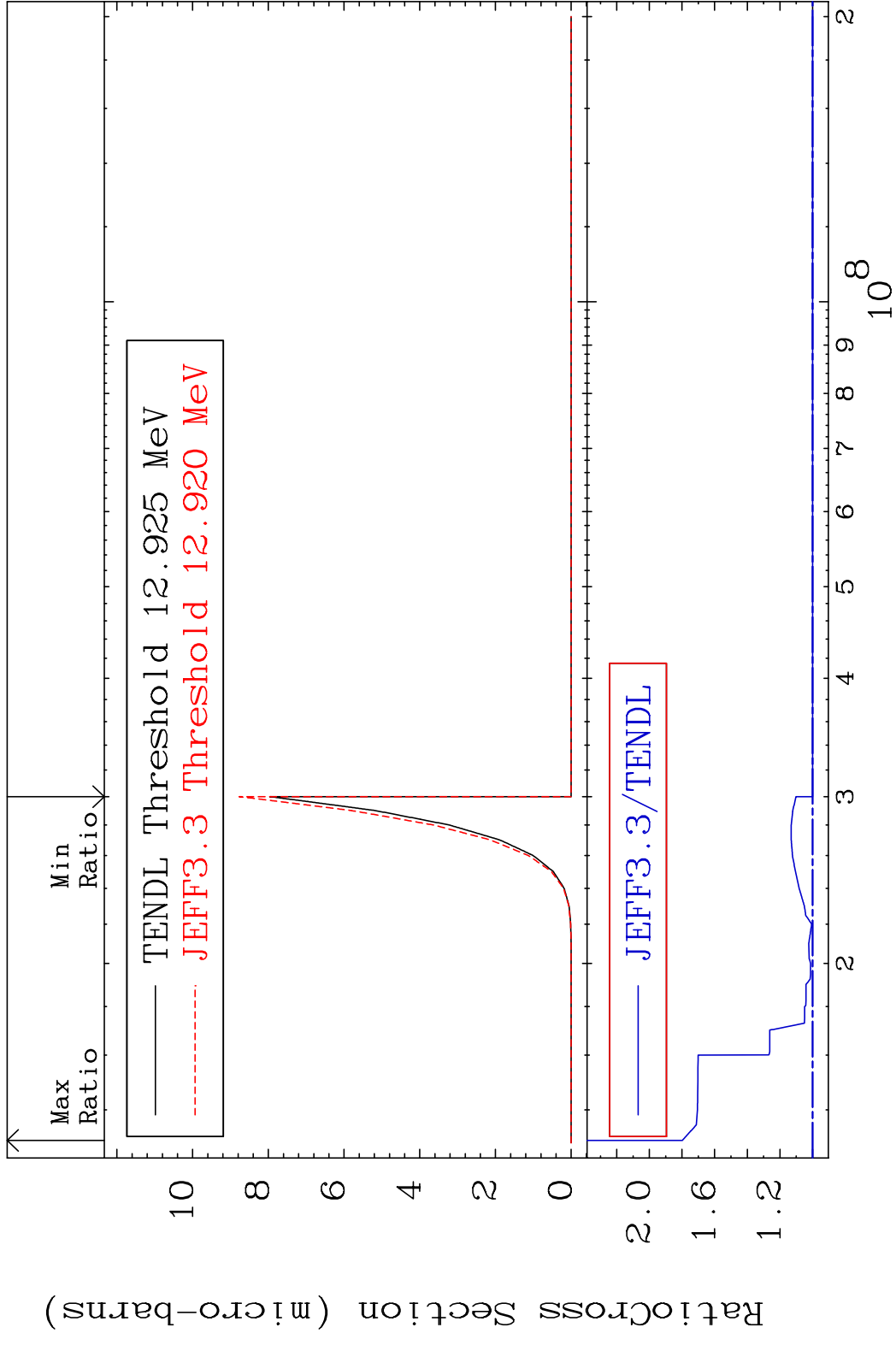


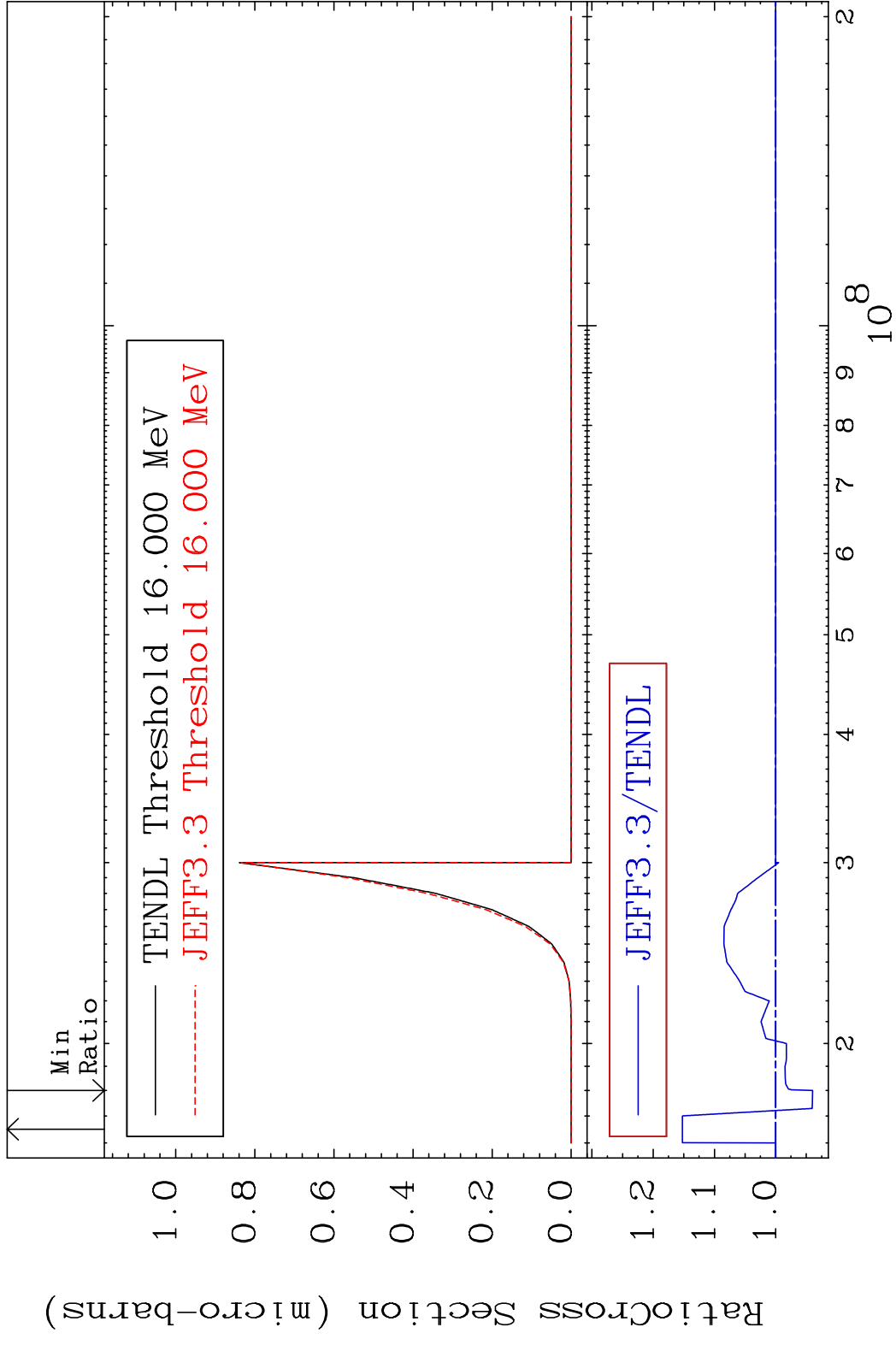
MAT 4319 (n, He-3): 41-Nb-95g 43-Tc-97
 Radionuclide Production Cross Section 50.94 %

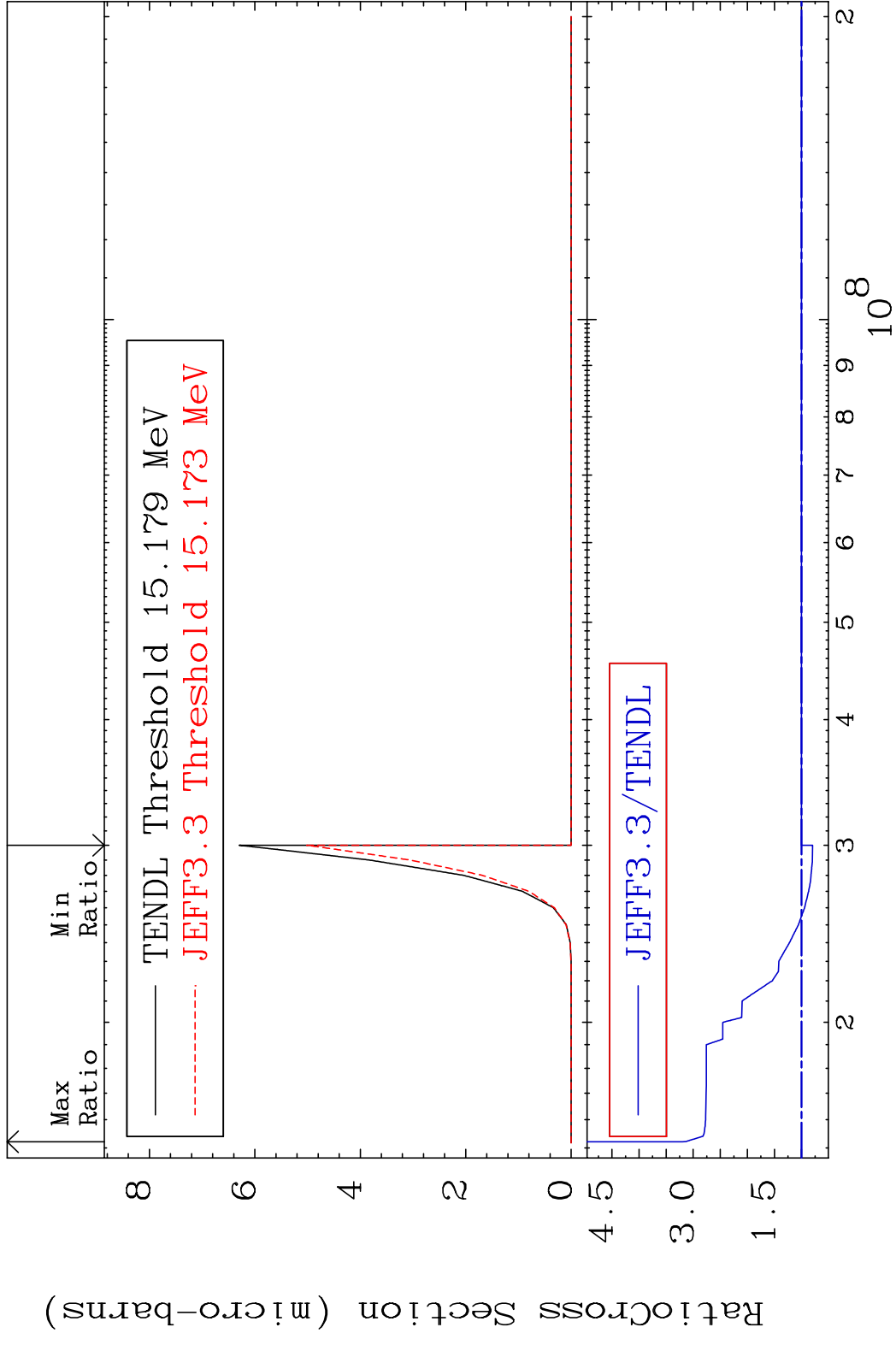


100 Incident Energy (eV) 43-Tc-97









MAT 4319 (n,p) t:41-Nb-94m1 43-Tc-97
 Radionuclide Production Cross Section to 246.6 %

