

Program Complot
(Version 2021-1)

by

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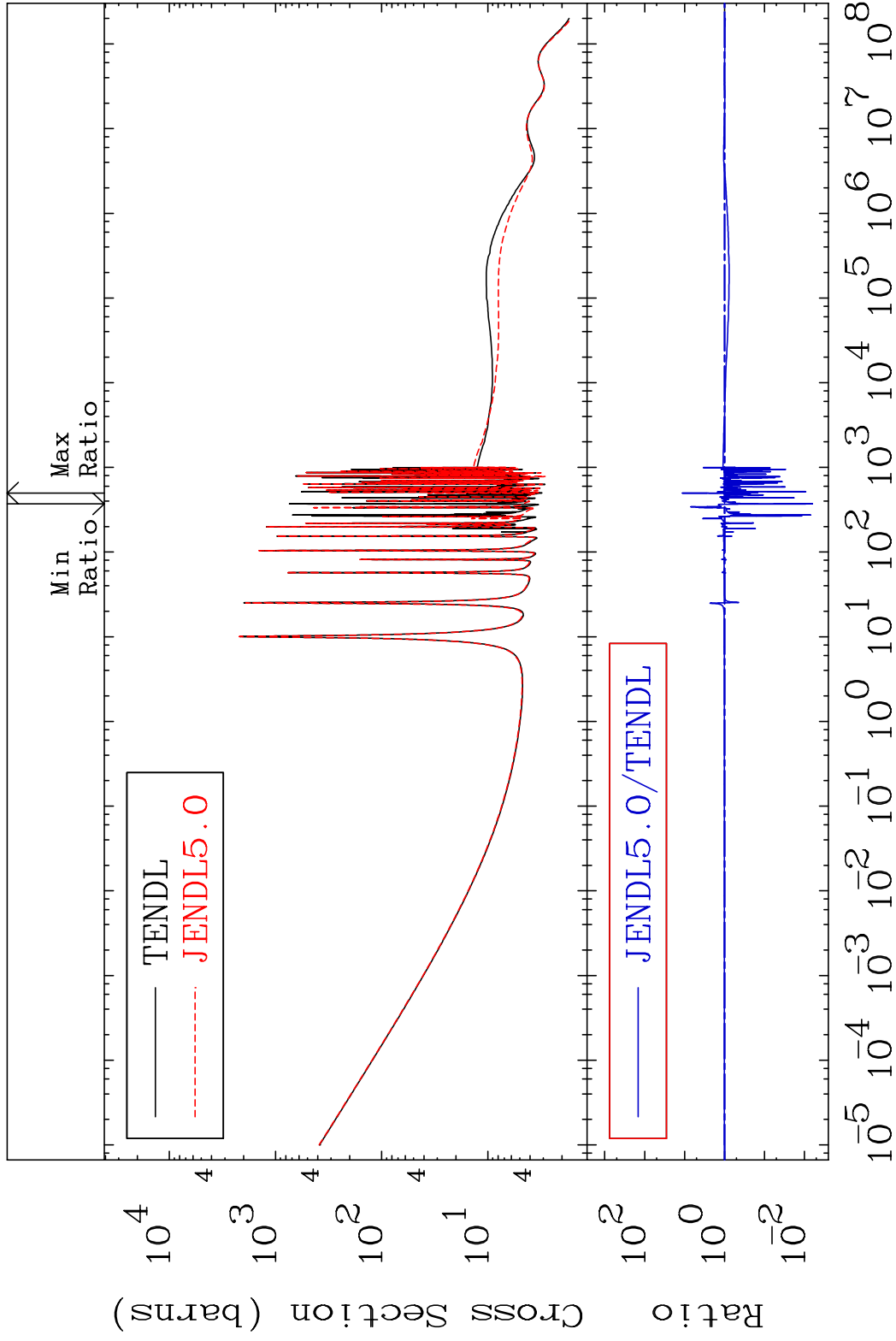
Press Mouse Button to Start

MAT 4434

Total

44-Ru-99

Cross Section -99.38 To 1036. %



1

Incident Energy (eV)

44-Ru-99

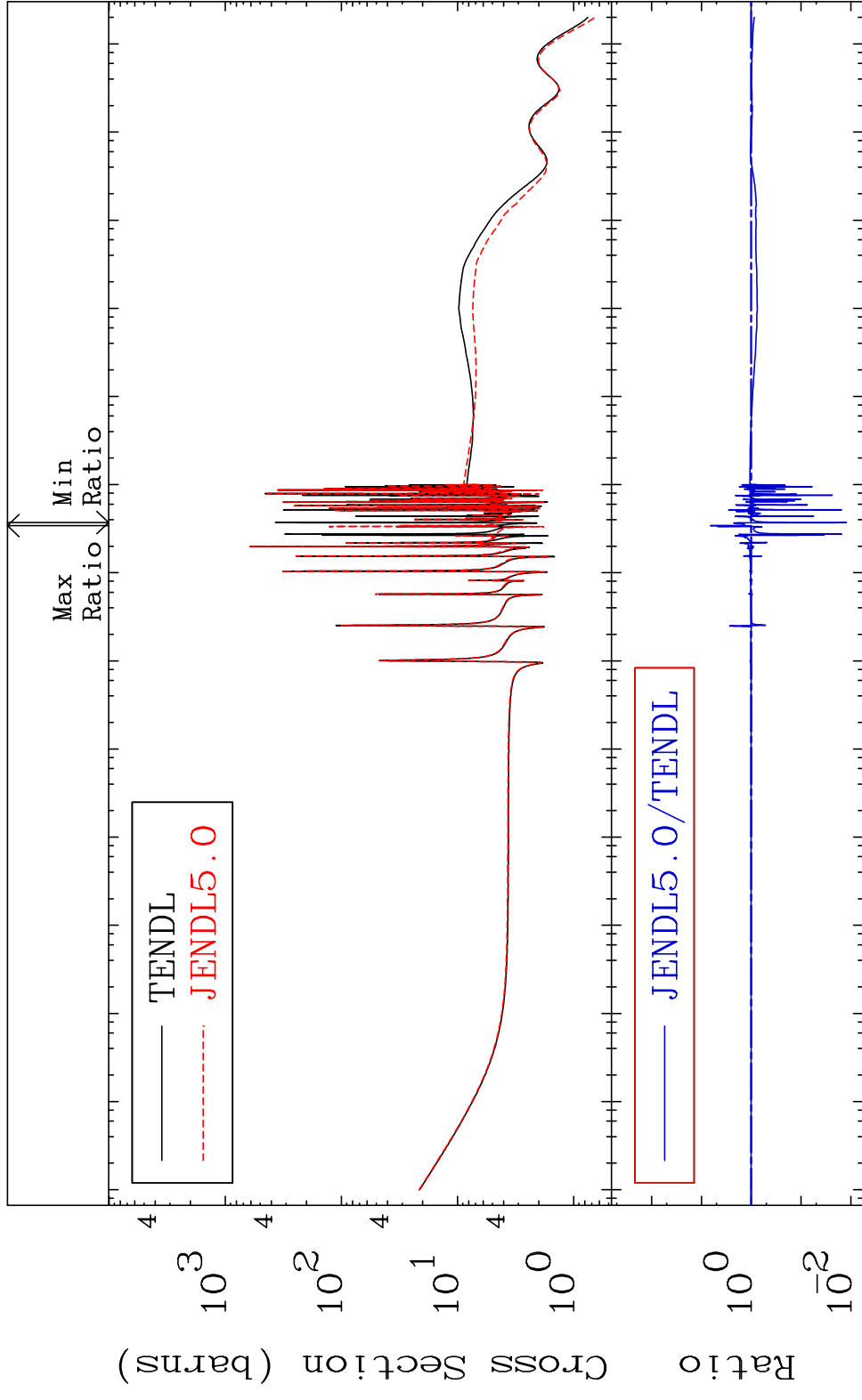
MAT 4434

Elastic

44-Ru-99

Cross Section

-98.76 To 549.8 %

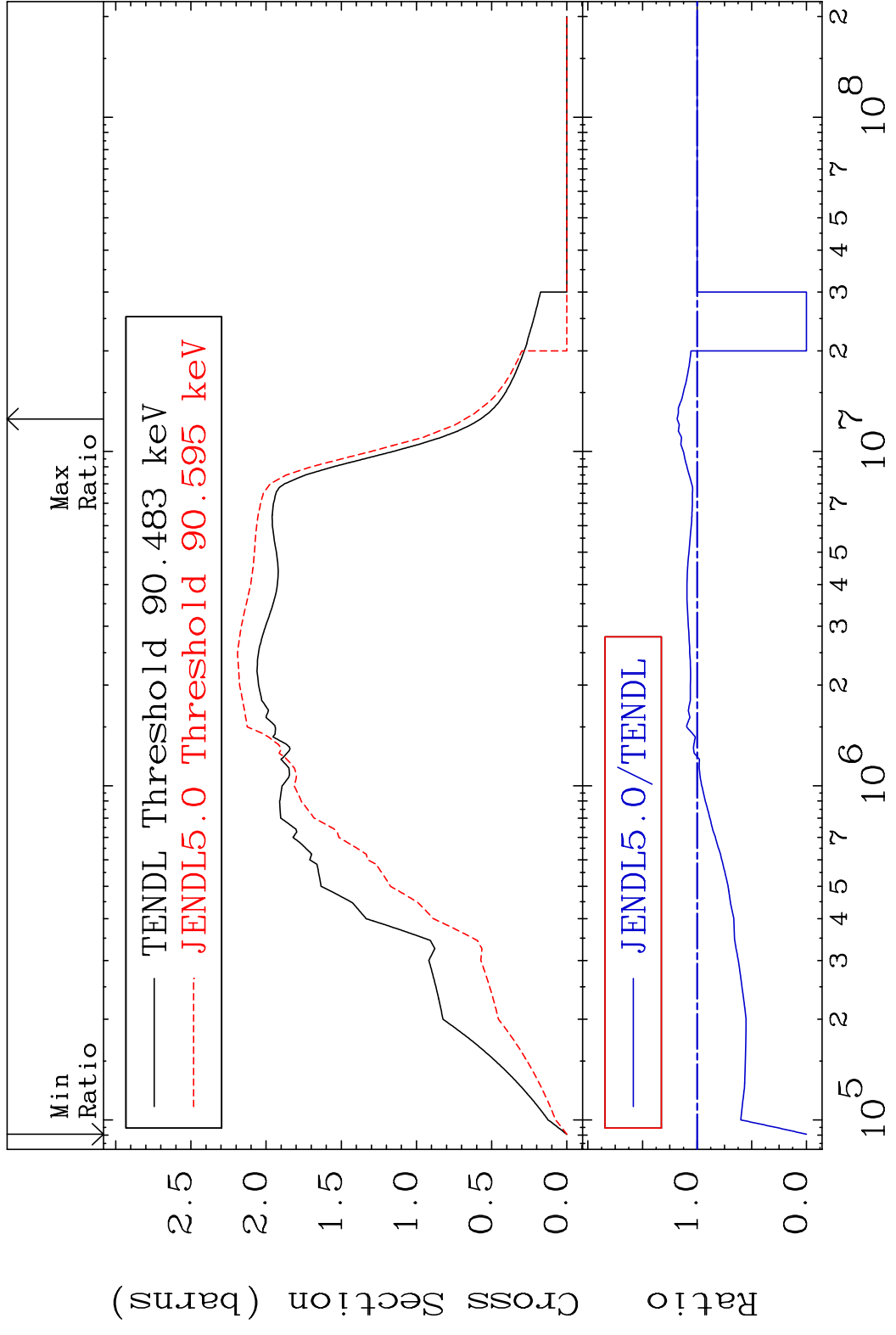


2

Incident Energy (eV)

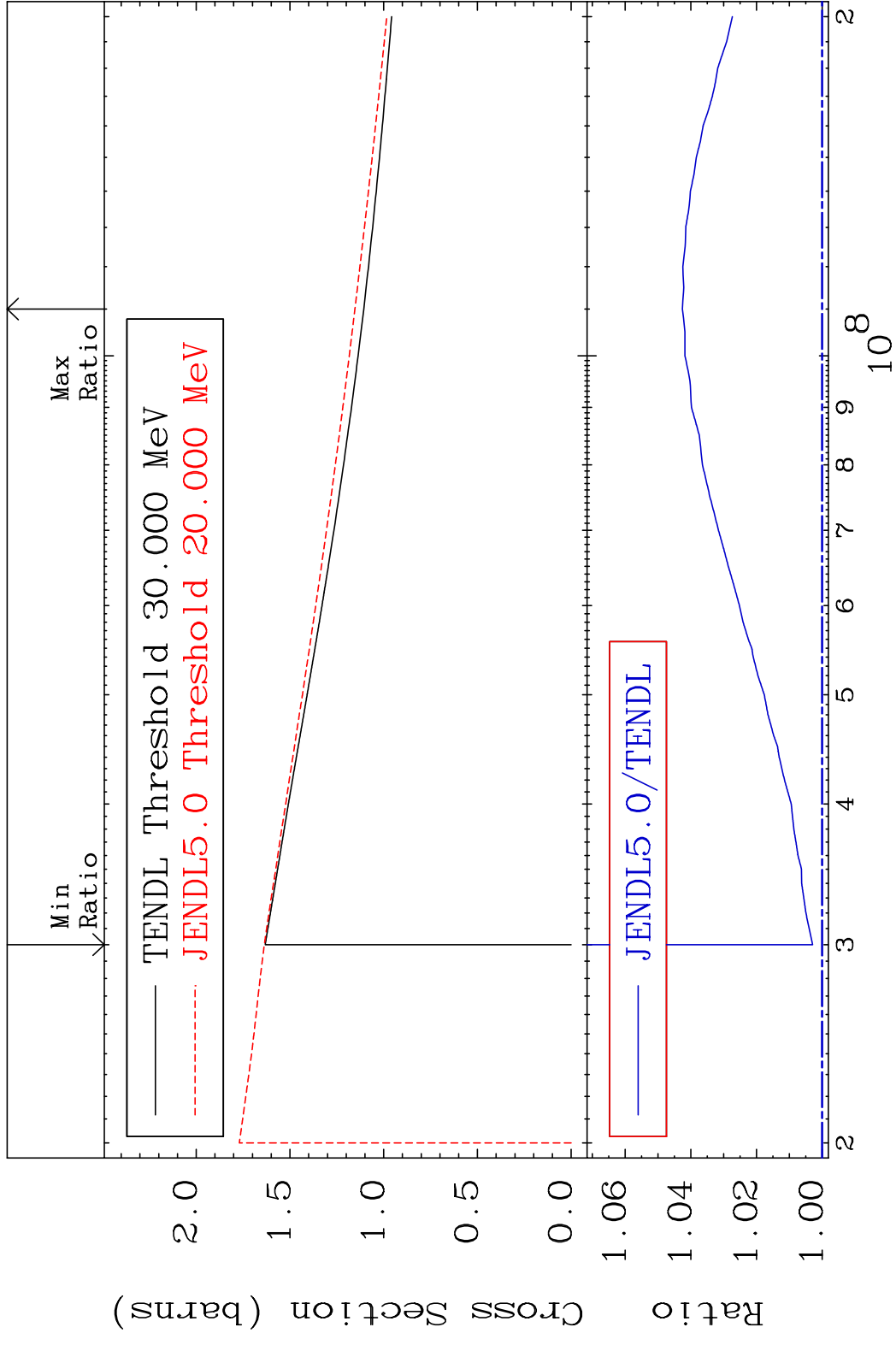
44-Ru-99

MAT 4434 Inelastic Cross Section -100.0 To 18.26 % 44-Ru-99



3 Incident Energy (eV) 44-Ru-99

MAT 4434 (n, remainder) 44-Ru-99
 Cross Section 0.290 To 4.255 %



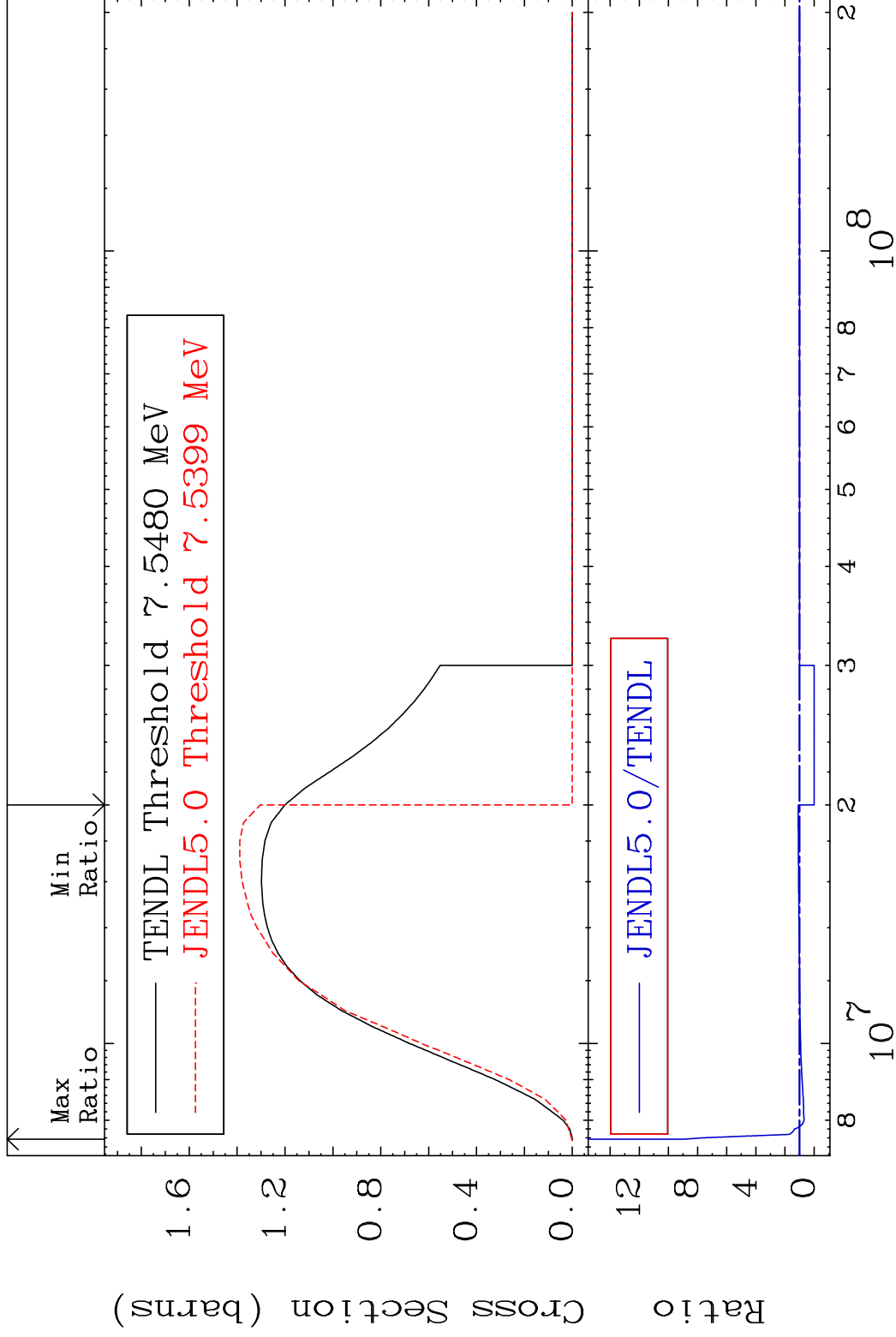
4 Incident Energy (eV) 44-Ru-99

MAT 4434

(n,2n)

44-Ru-99

Cross Section -100.0 To 795.5 %

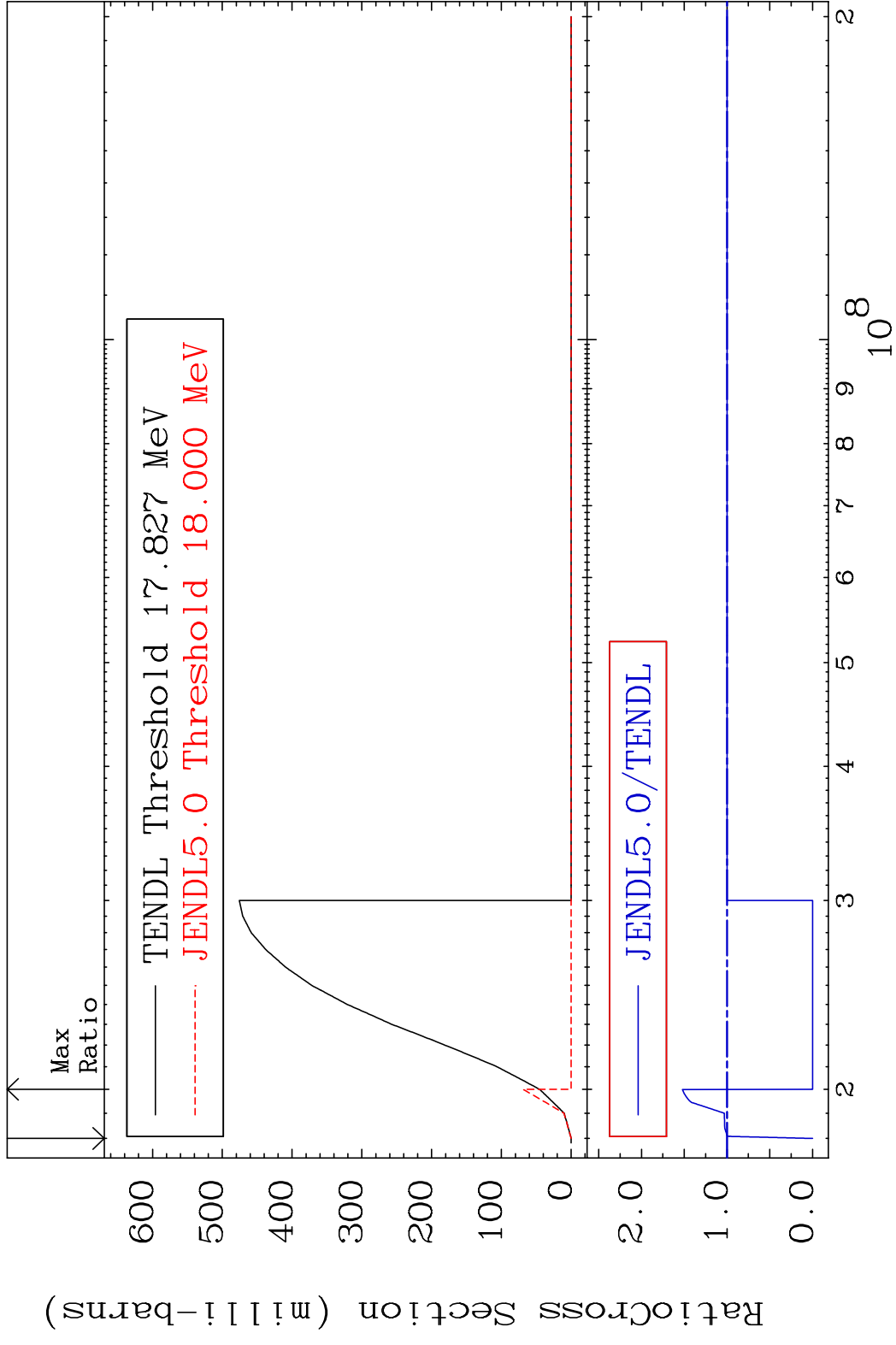


5

Incident Energy (eV)

44-Ru-99

MAT 4434 (n,3n) 44-Ru-99
 Cross Section -100.0 To 52.23 %



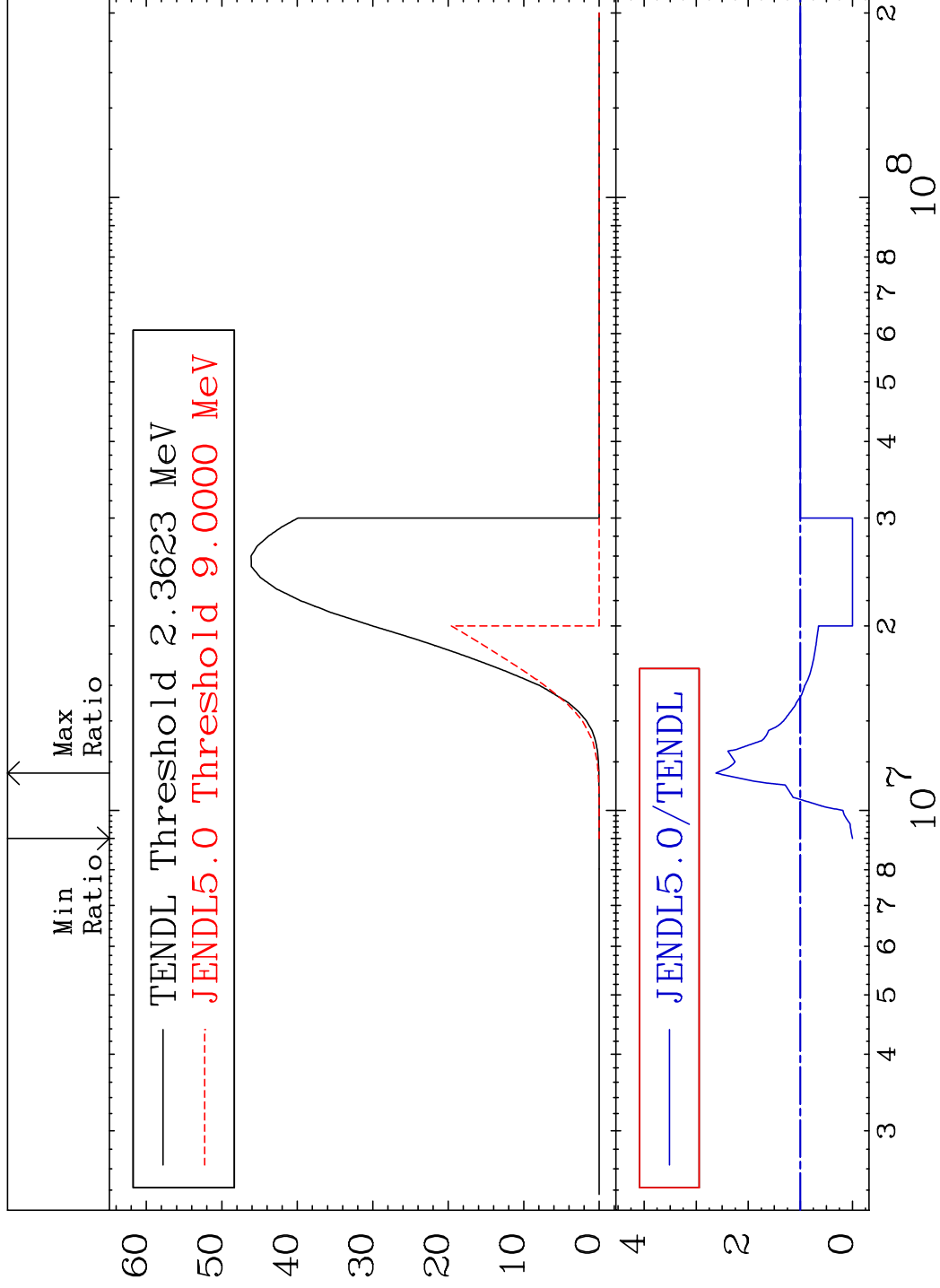
MAT 4434

(n, n') α

44-Ru-99

Cross Section -100.0 To 162.2 %

RatioCross Section (milli-barns)



7

Incident Energy (eV)

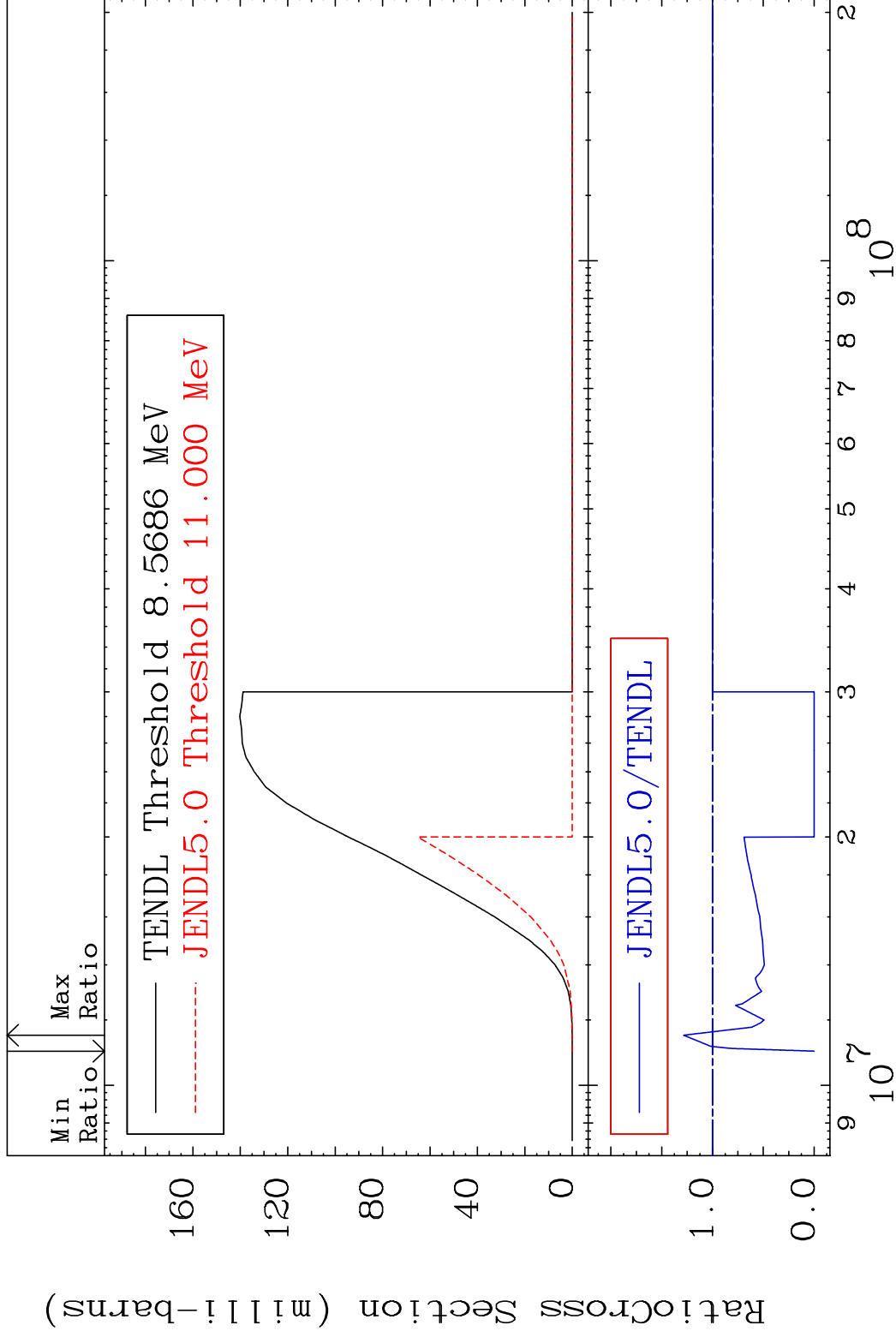
44-Ru-99

MAT 4434

(n, n') p

44-Ru-99

Cross Section -100.0 To 28.39 %



8

Incident Energy (eV)

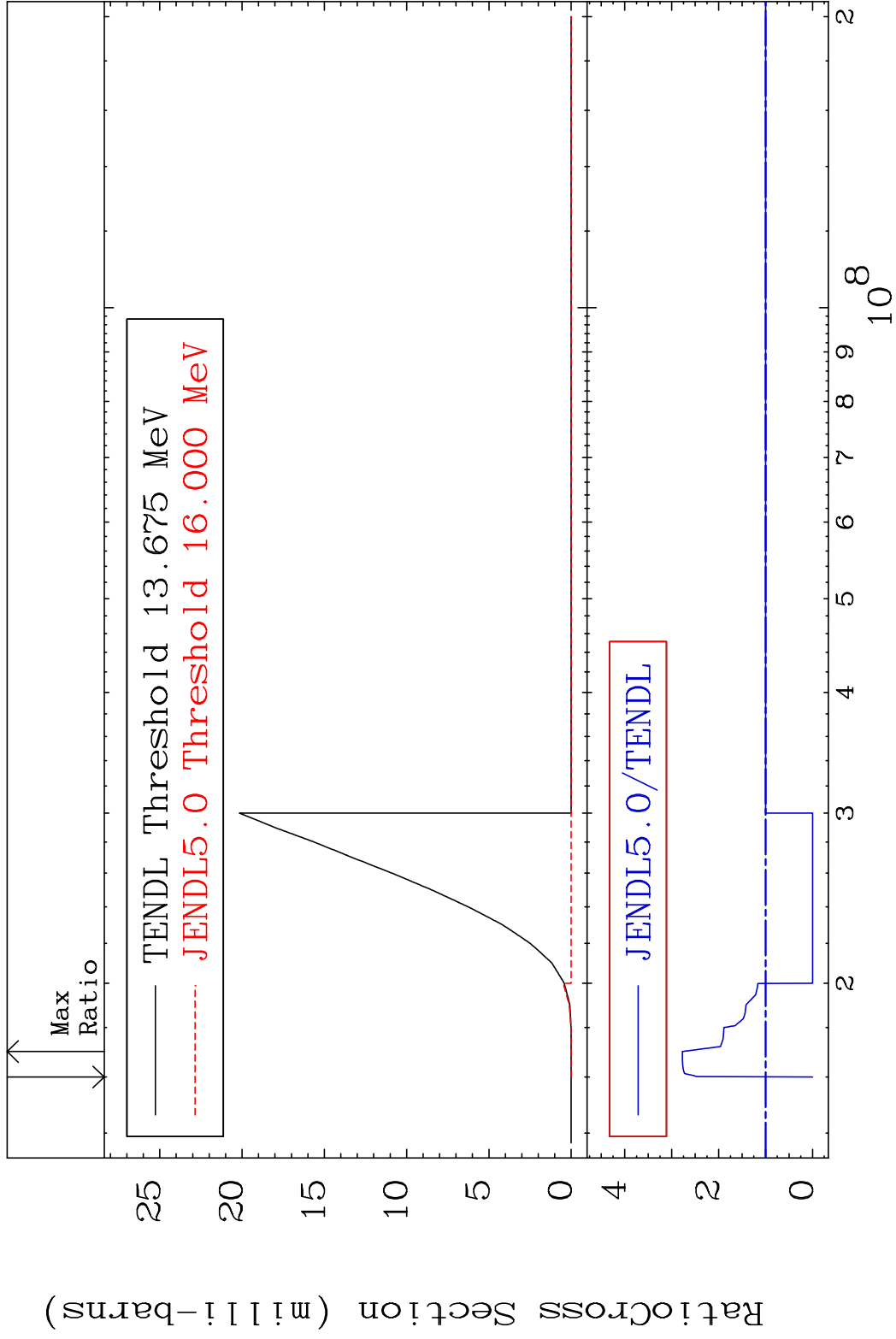
44-Ru-99

MAT 4434

(n, n') d

44-Ru-99

Cross Section -100.0 To 177.3 %

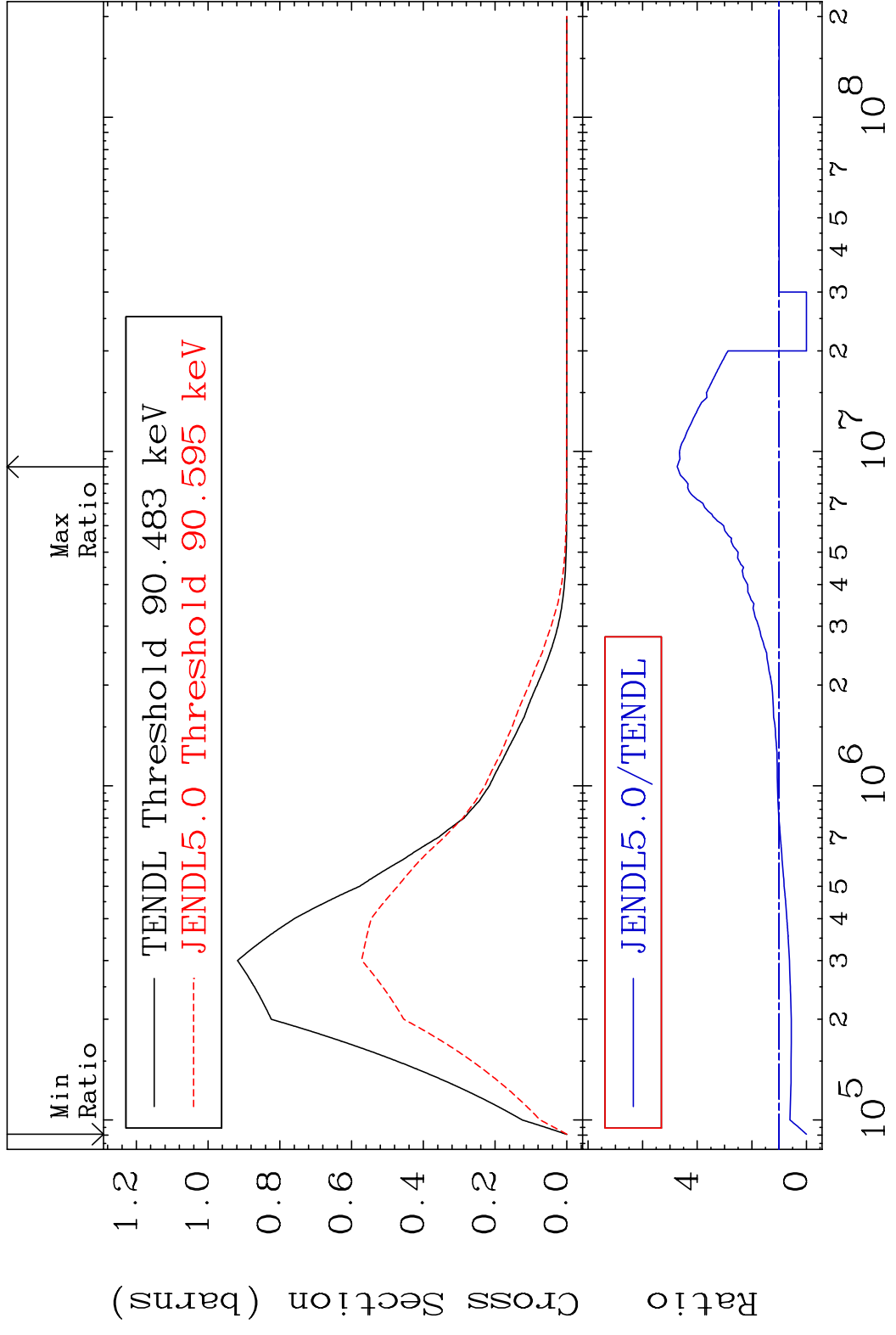


9

Incident Energy (eV)

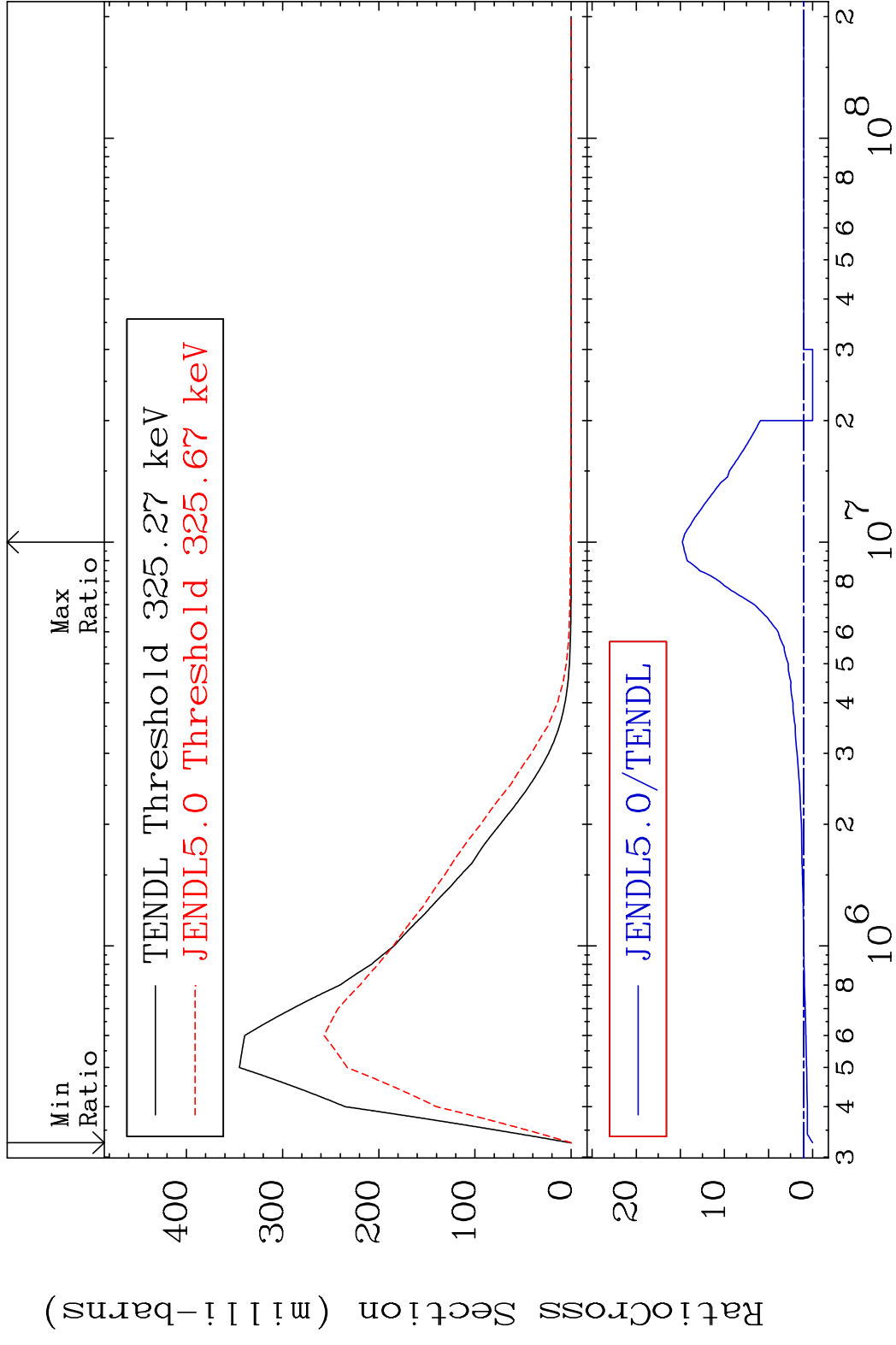
44-Ru-99

MAT 4434 MT= 51 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 373.4 %

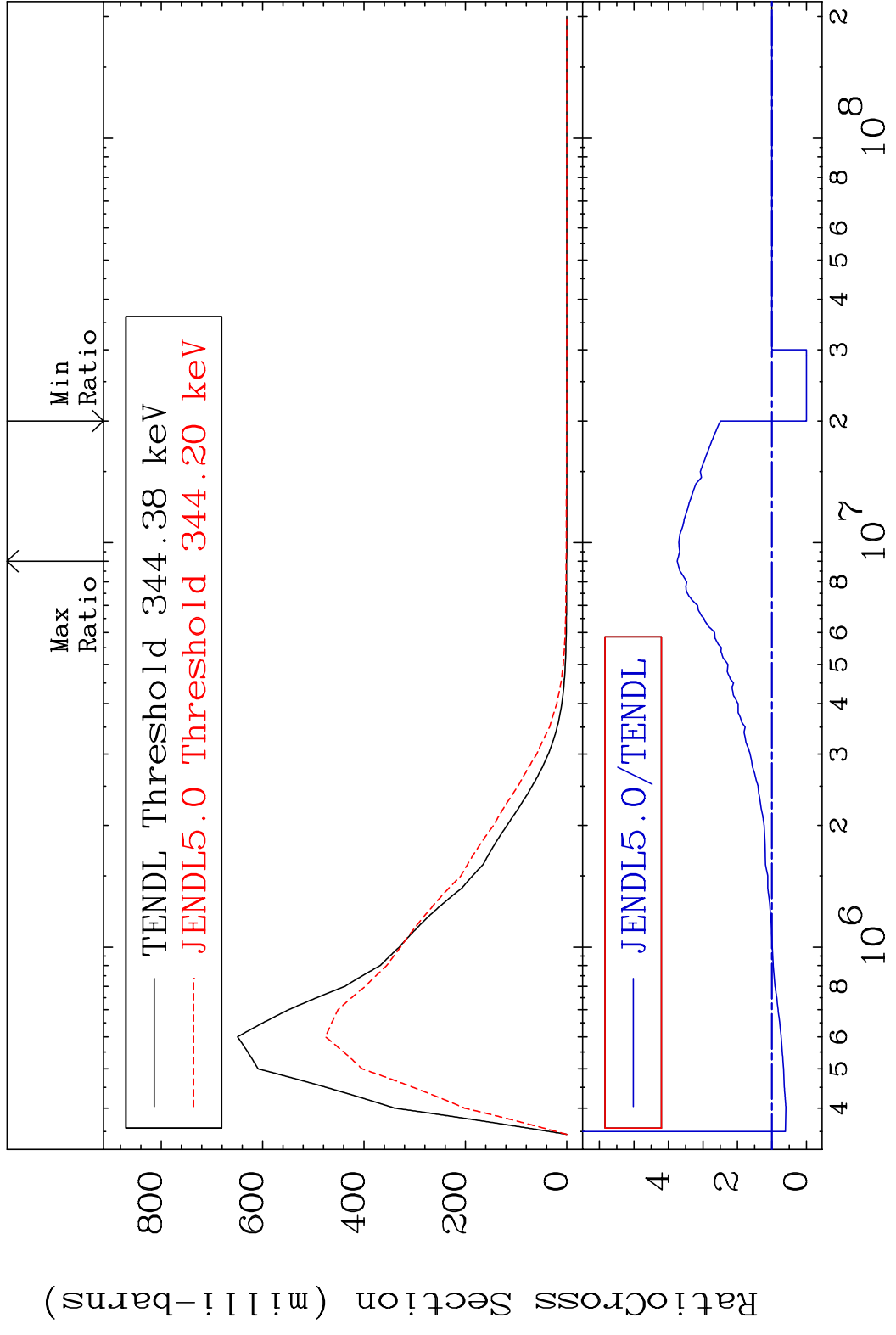


10 Incident Energy (eV) 44-Ru-99

MAT 4434 MT= 52 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 1377. %

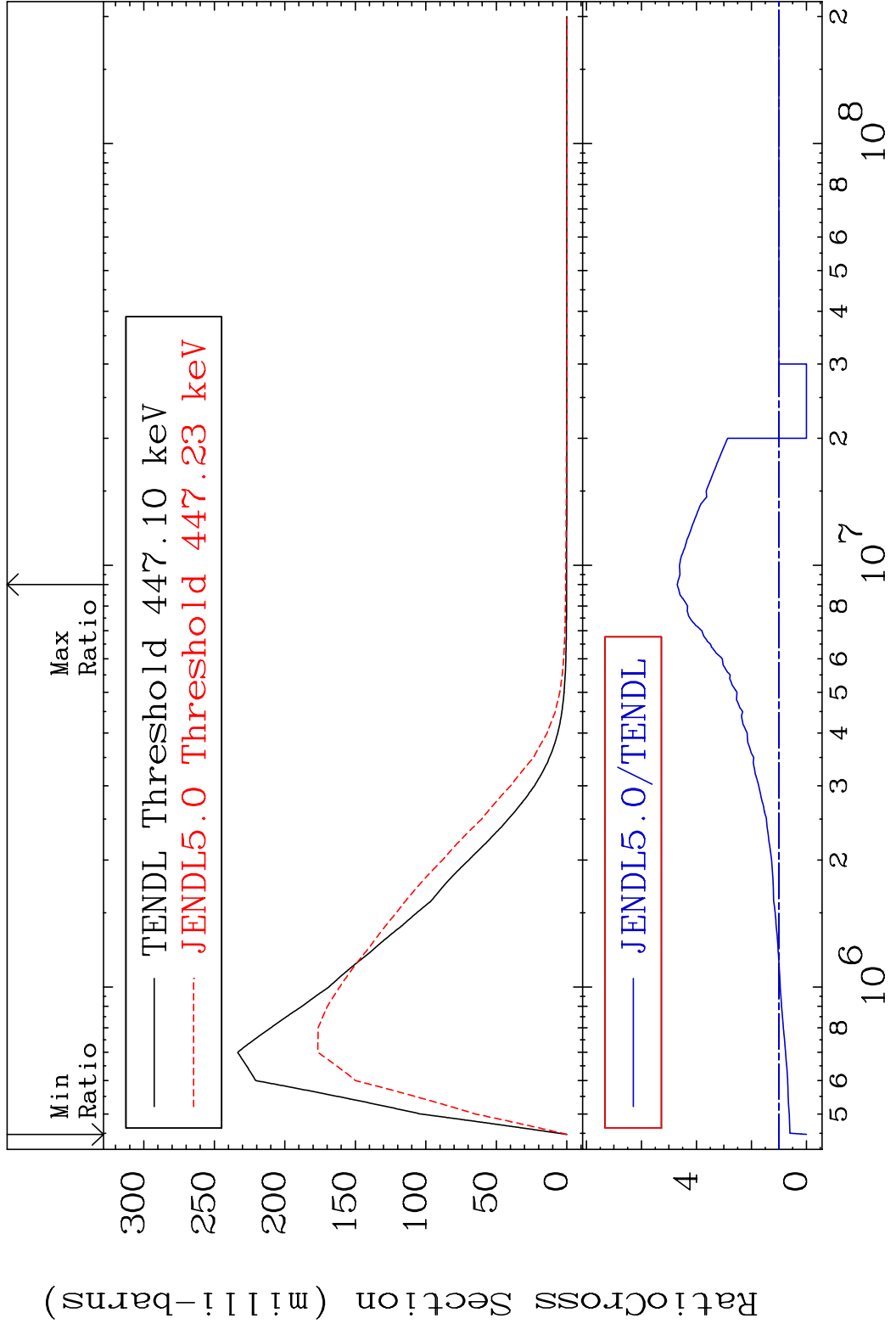


MAT 4434 MT= 53 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 274.6 %

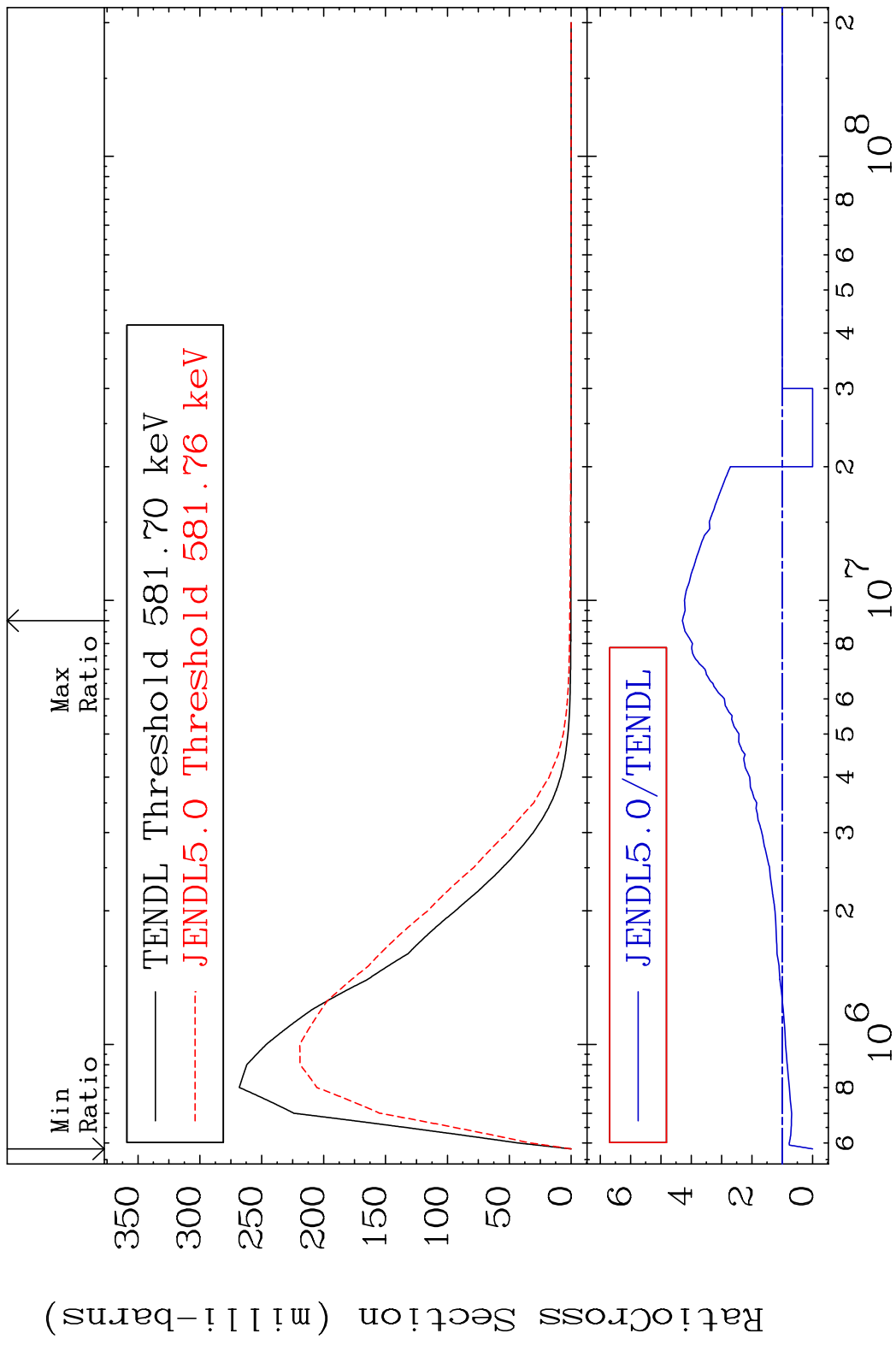


12 Incident Energy (eV) 44-Ru-99

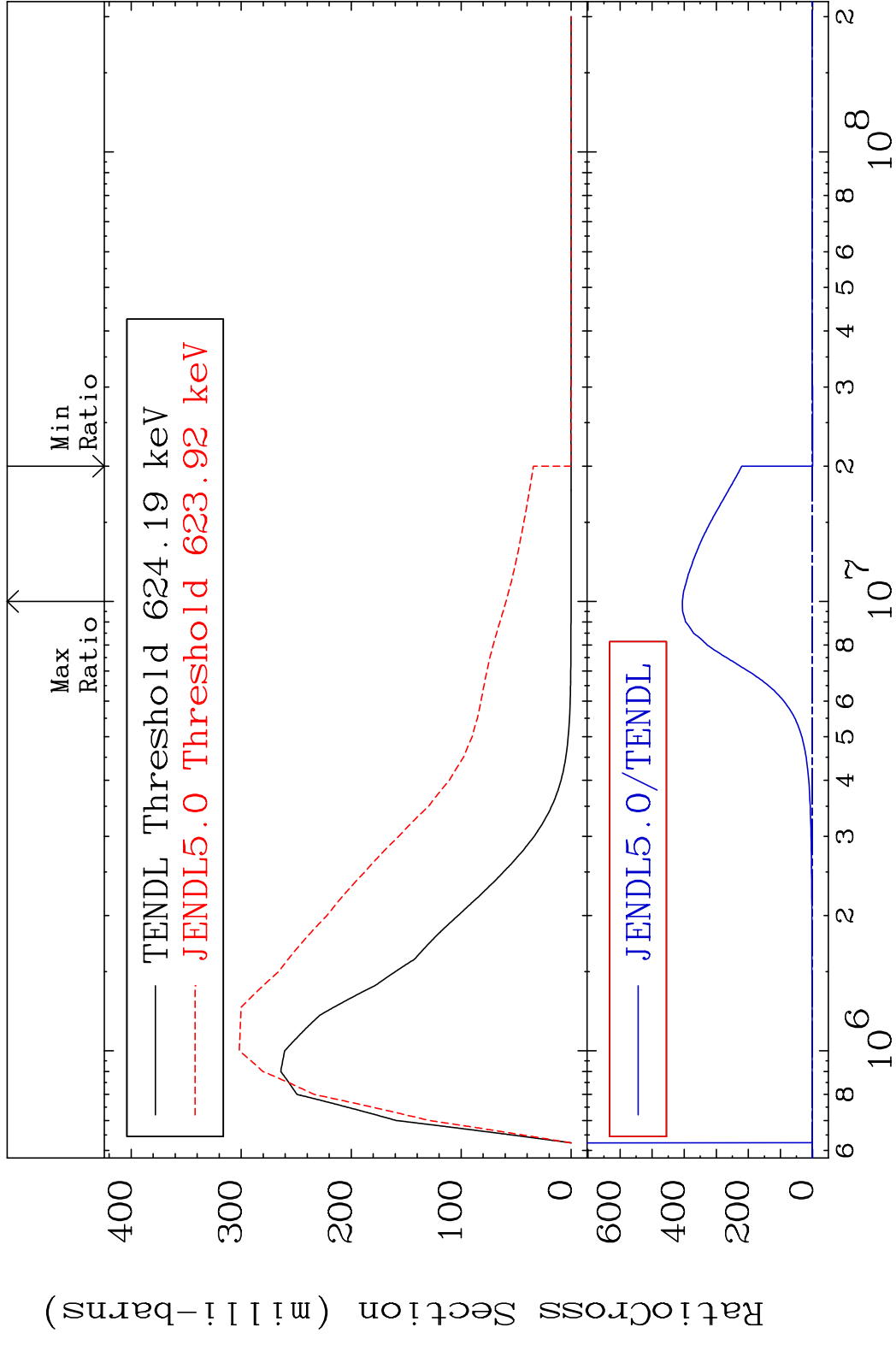
MAT 4434 MT= 54 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 369.9 %



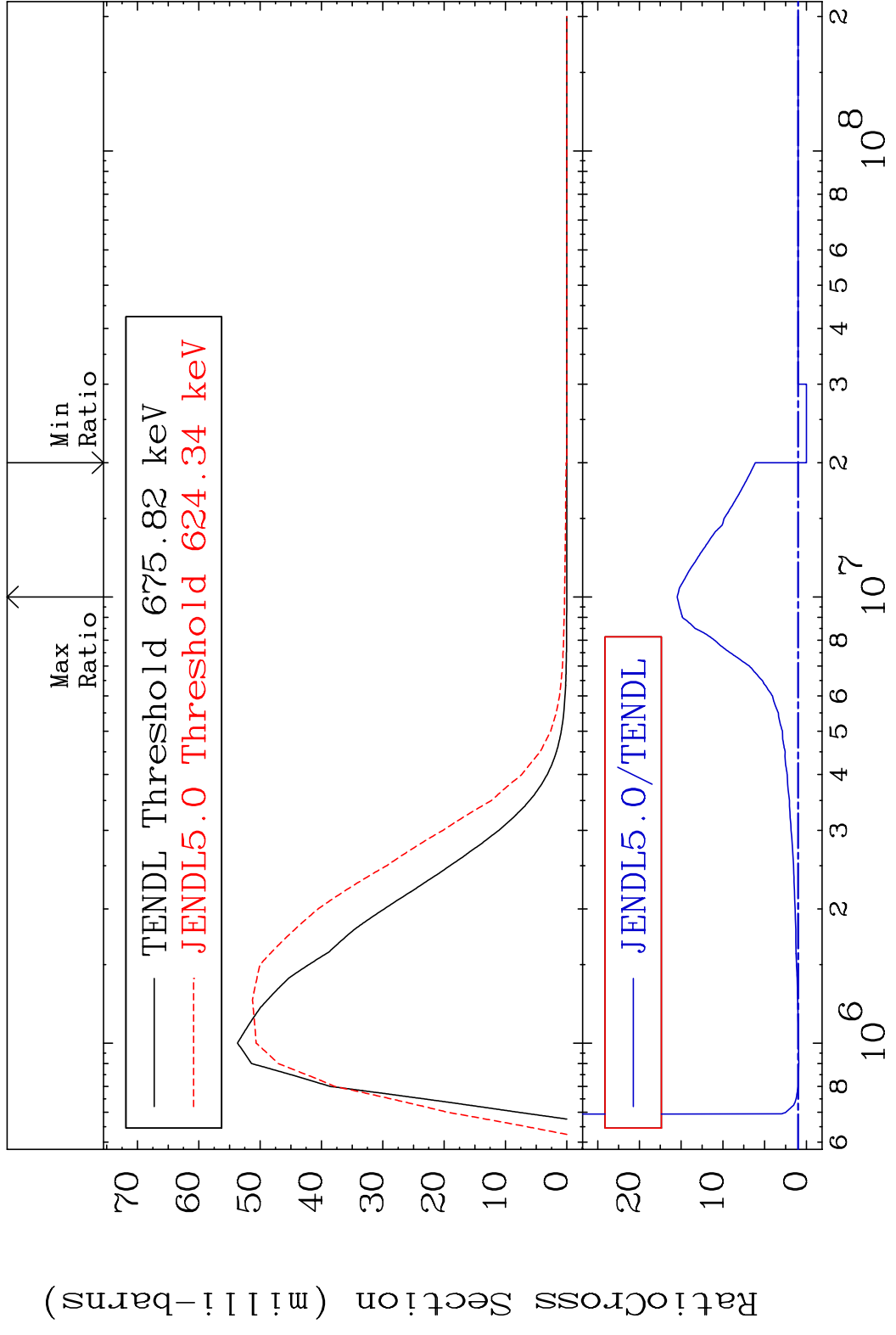
MAT 4434 MT= 55 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 329.2 %



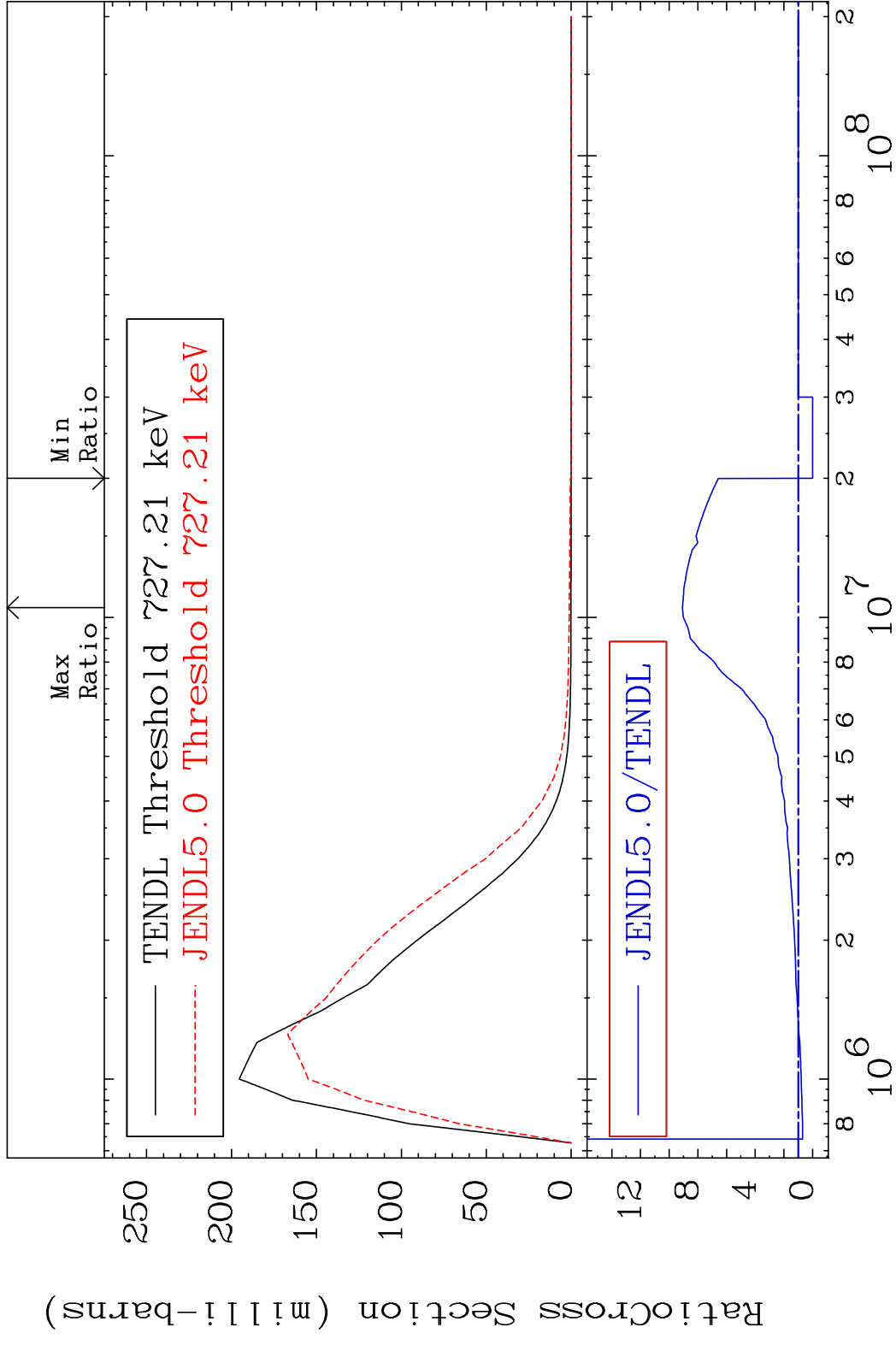
MAT 4434 MT= 56 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %



MAT 4434 MT= 57 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 1448. %

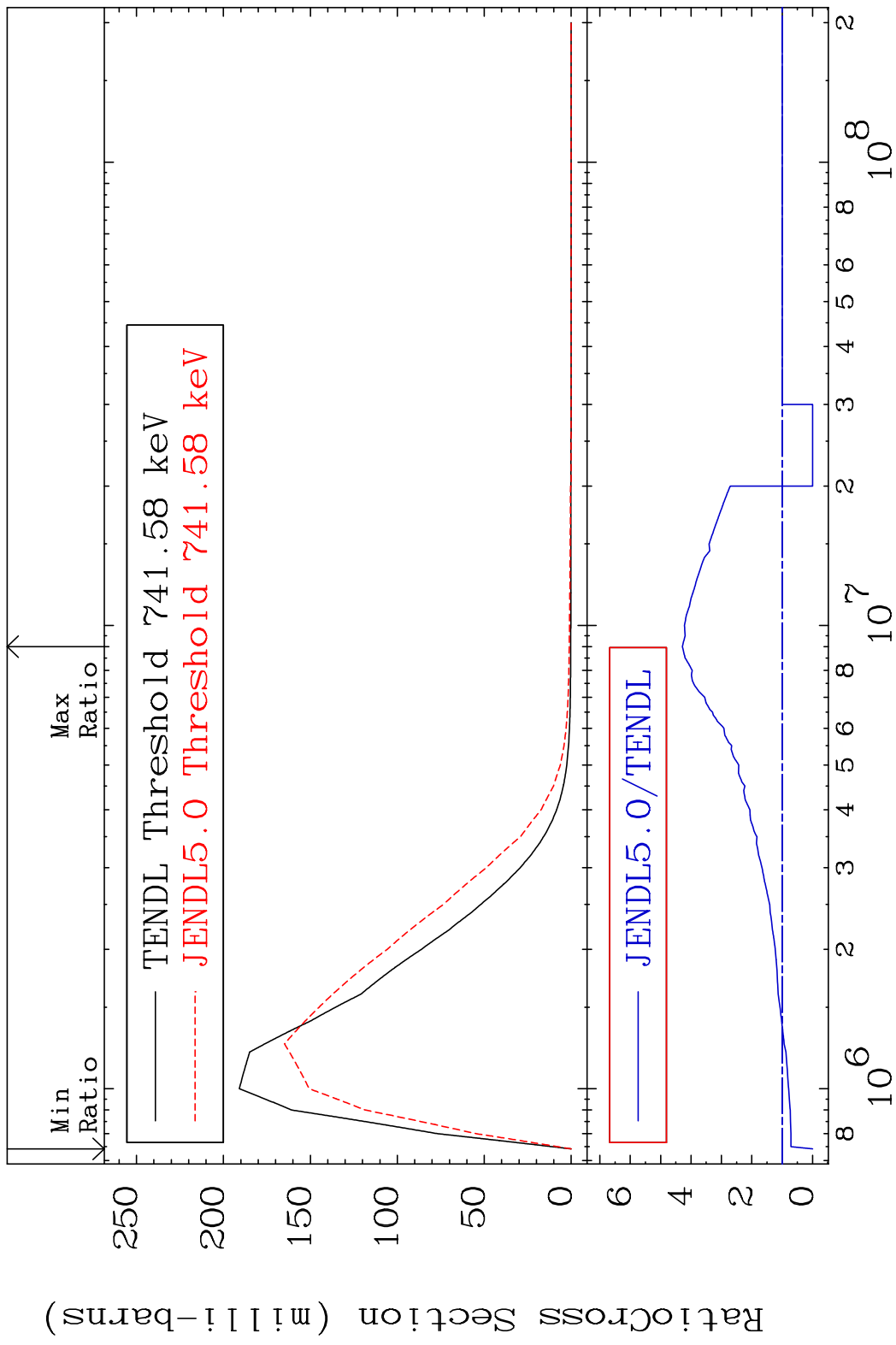


MAT 4434 MT= 58 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 808.1 %



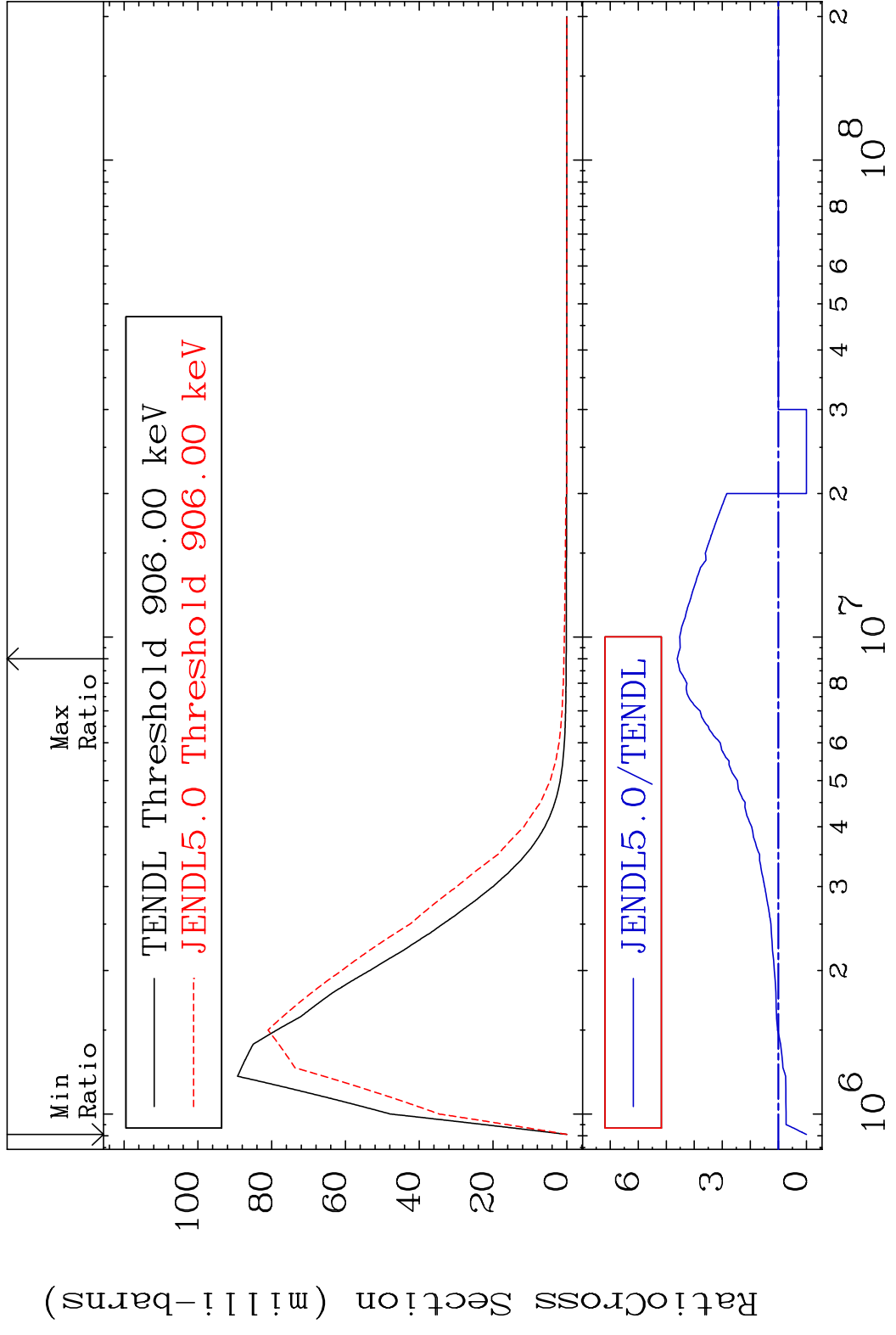
17 44-Ru-99

MAT 4434 MT= 59 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 328.5 %



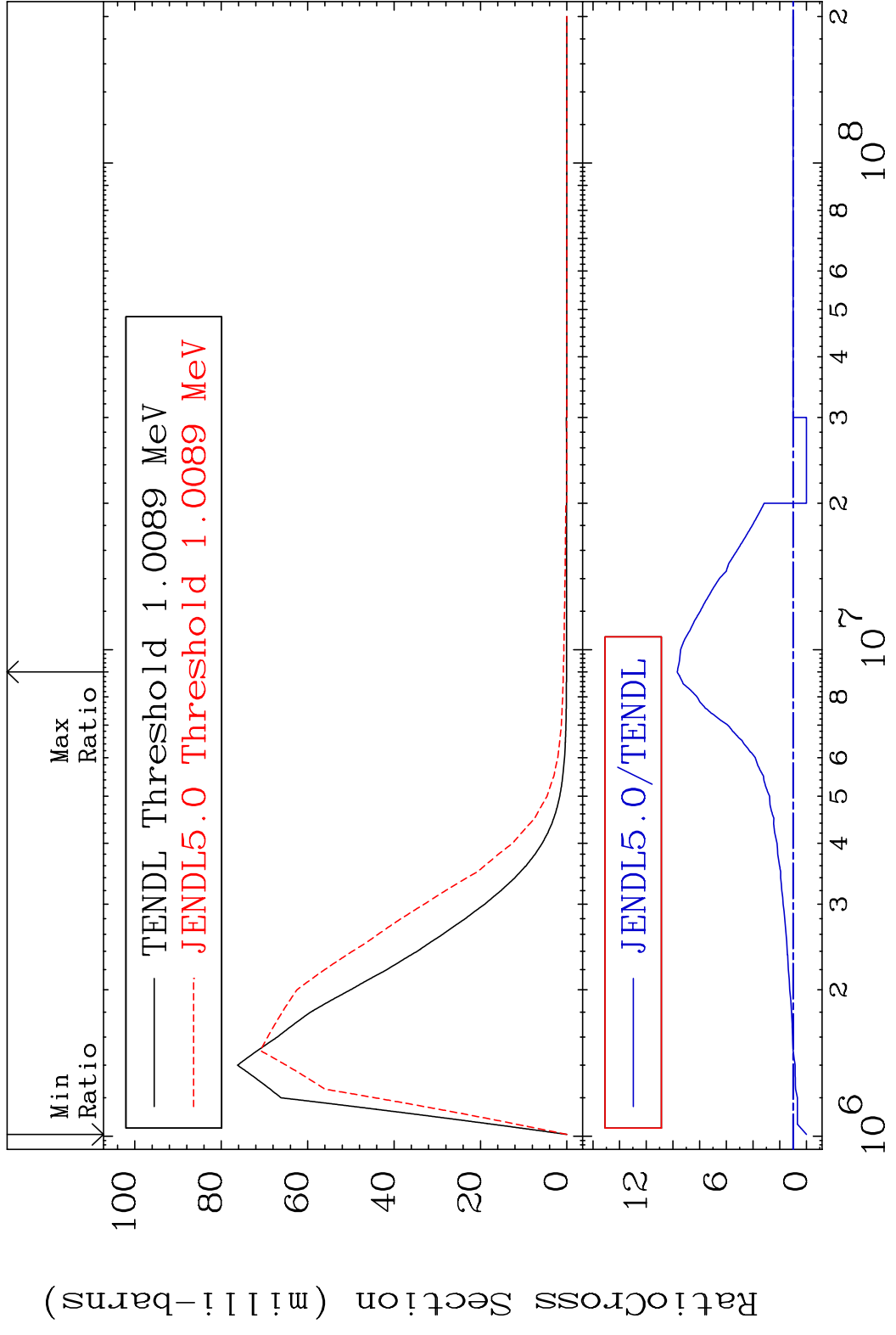
18 44-Ru-99

MAT 4434 MT= 60 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 361.0 %

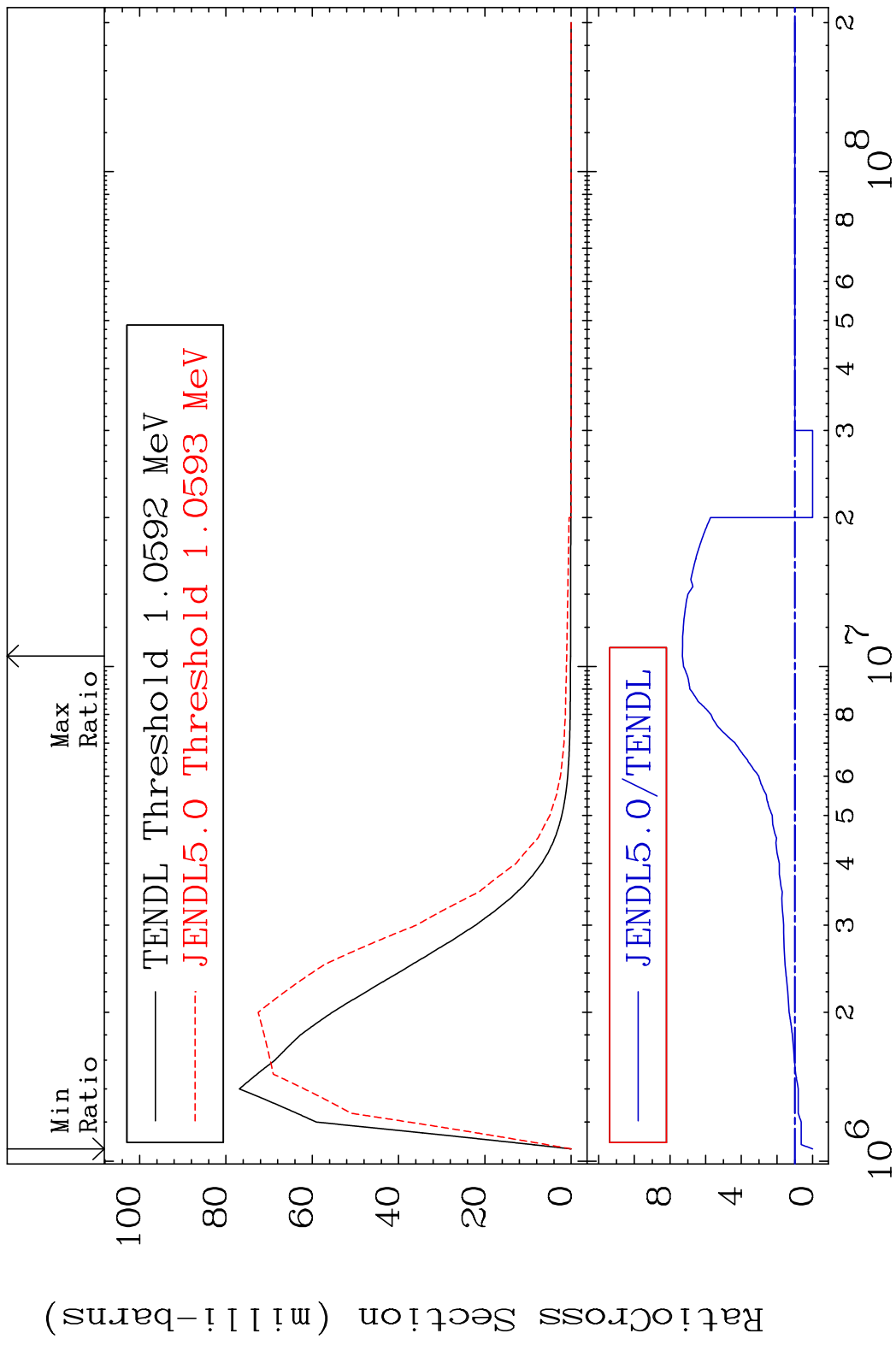


19 44-Ru-99

MAT 4434 MT= 61 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 868.5 %

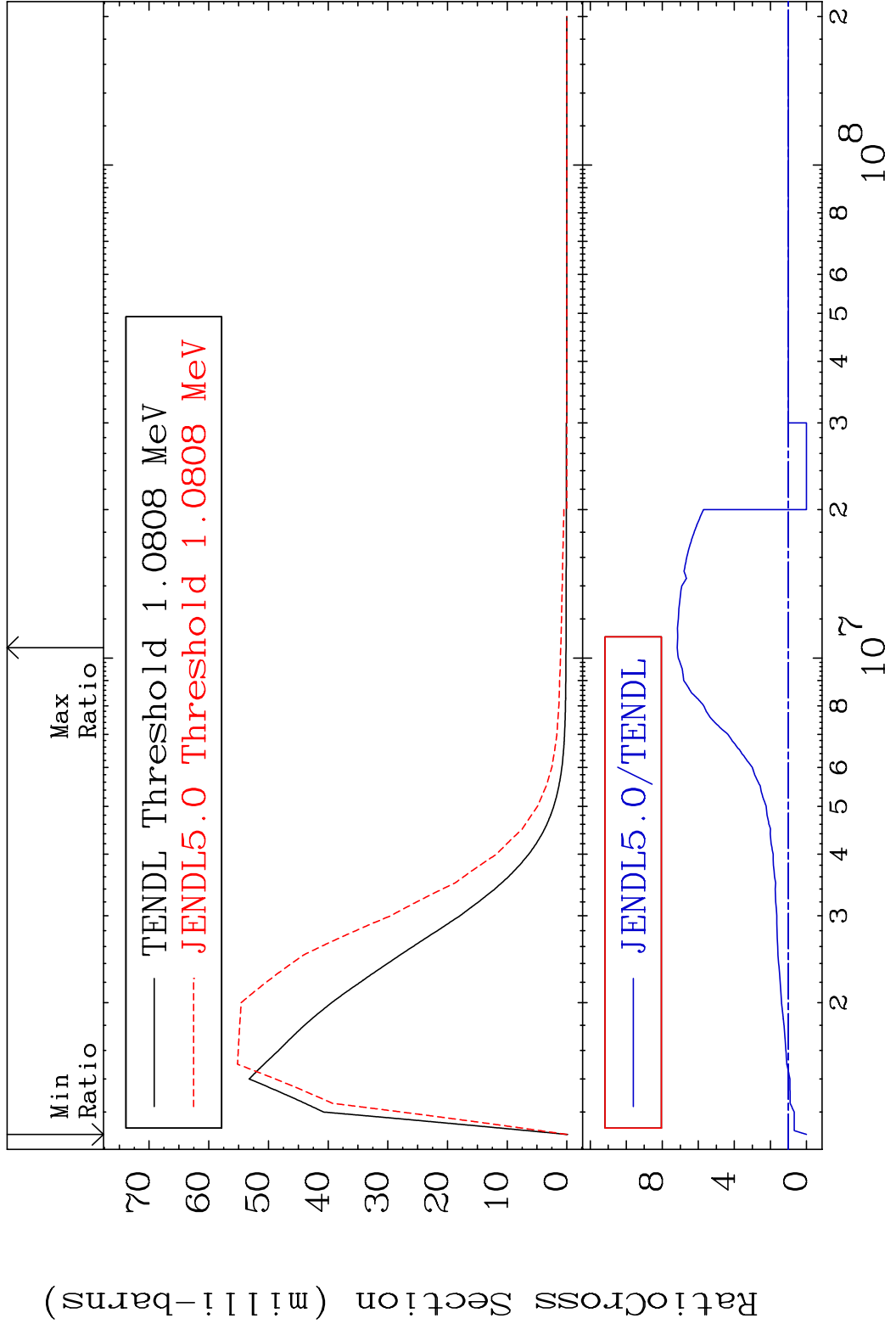


MAT 4434 MT= 62 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 630.7 %

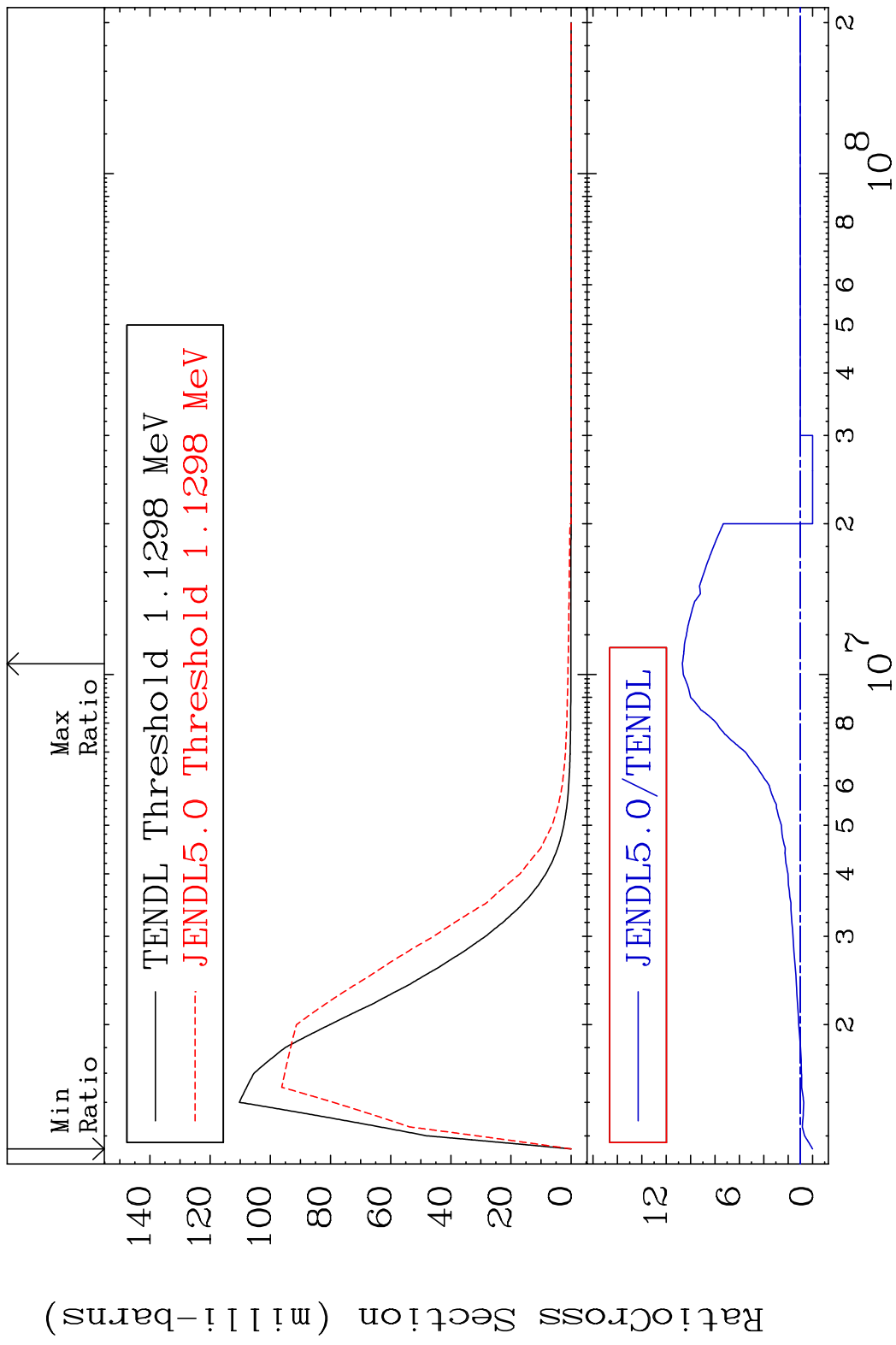


21 44-Ru-99

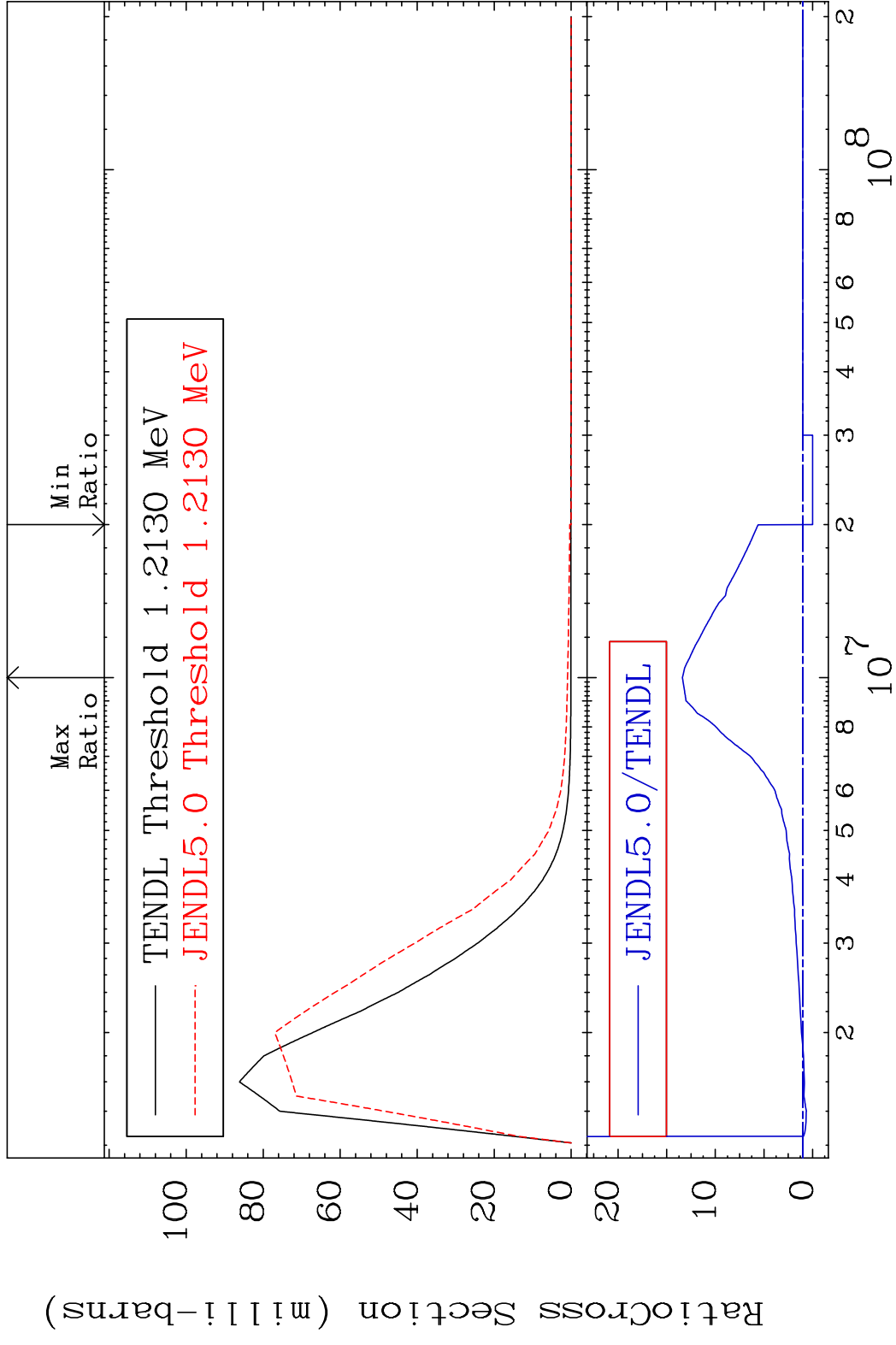
MAT 4434 MT= 63 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 617.2 %



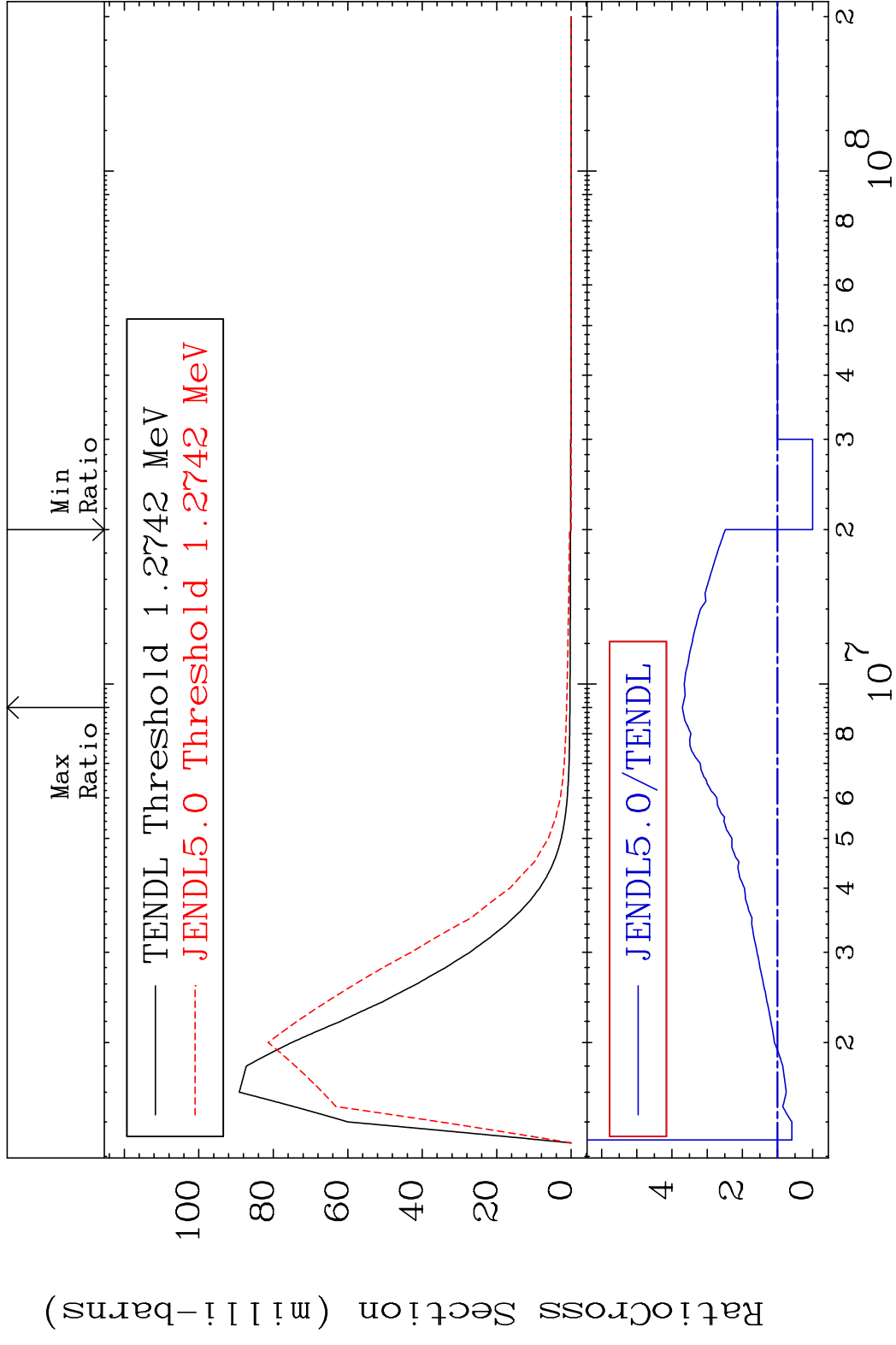
MAT 4434 MT= 64 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 967.7 %



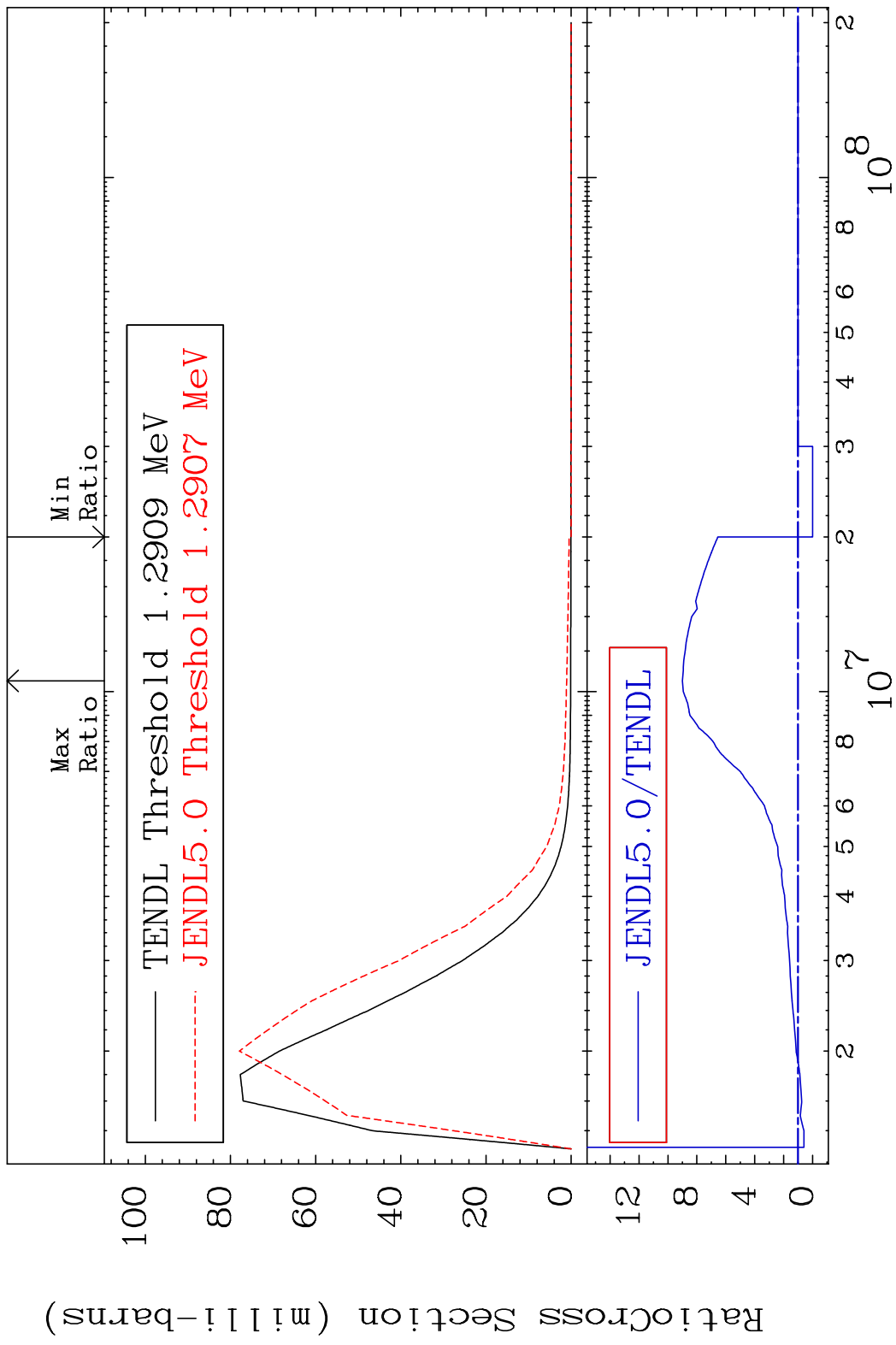
MAT 4434 MT= 65 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 1239. %



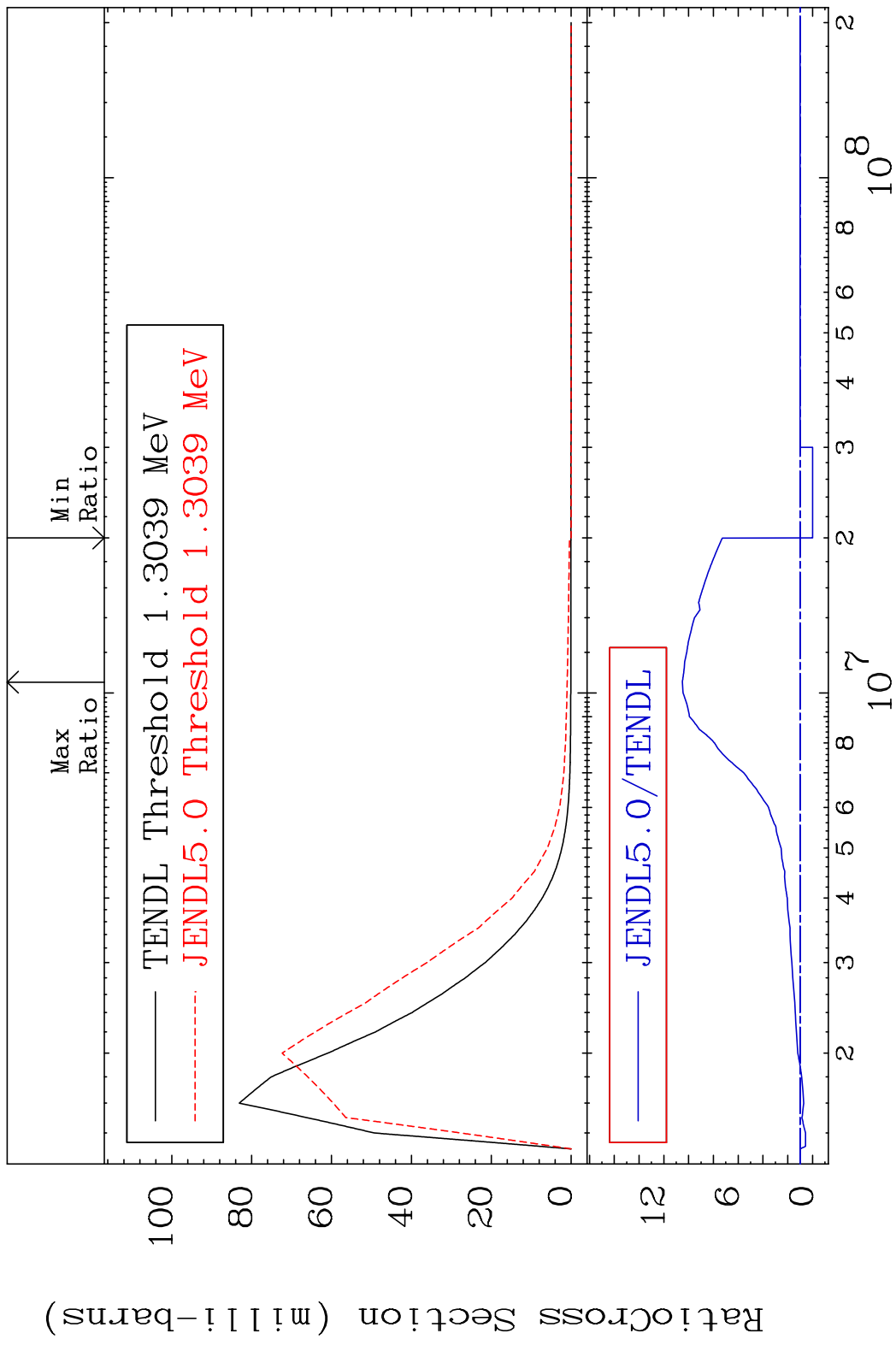
MAT 4434 MT= 66 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 270.5 %



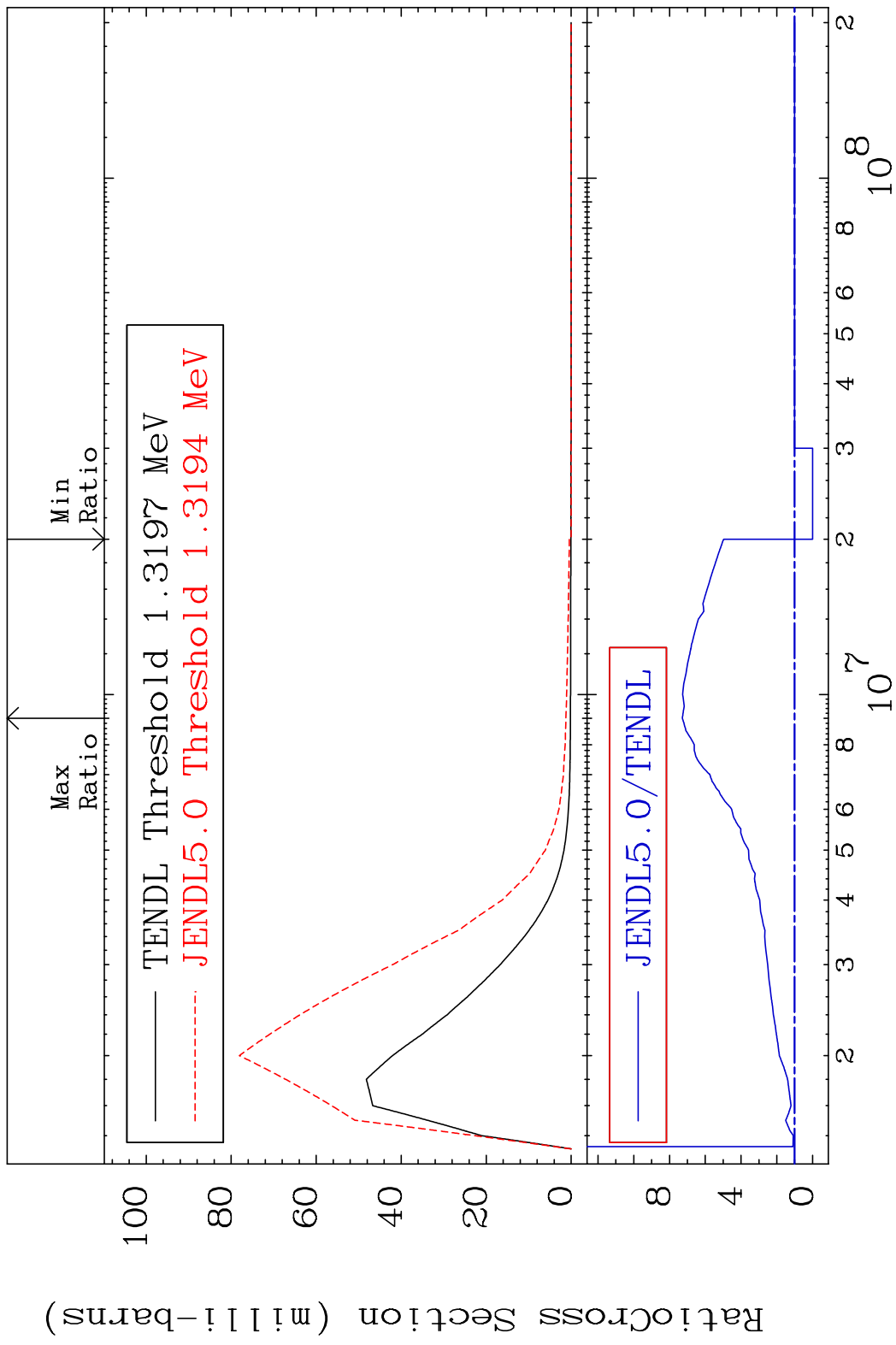
MAT 4434 MT= 67 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 800.2 %



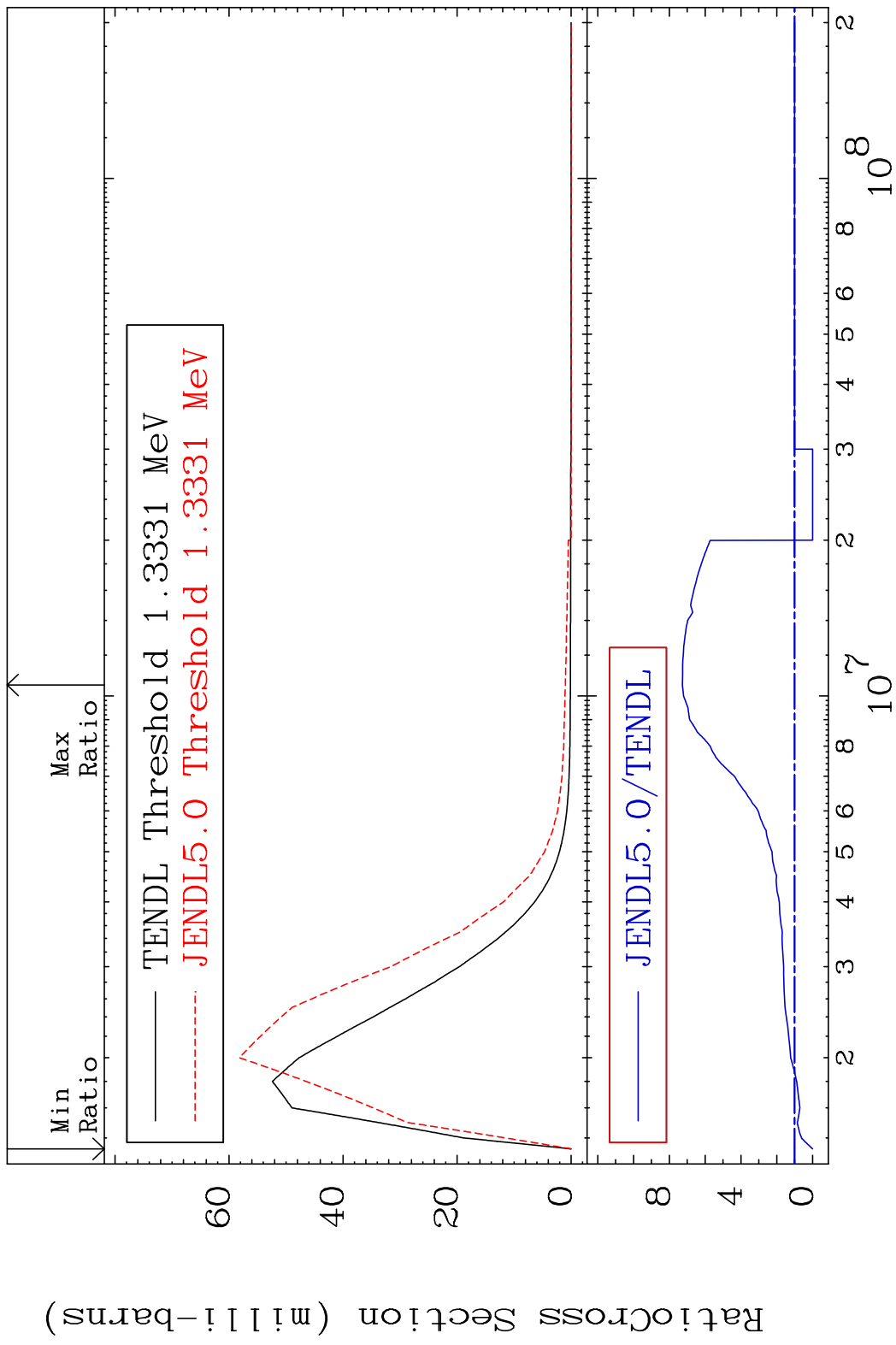
MAT 4434 MT= 68 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 950.5 %



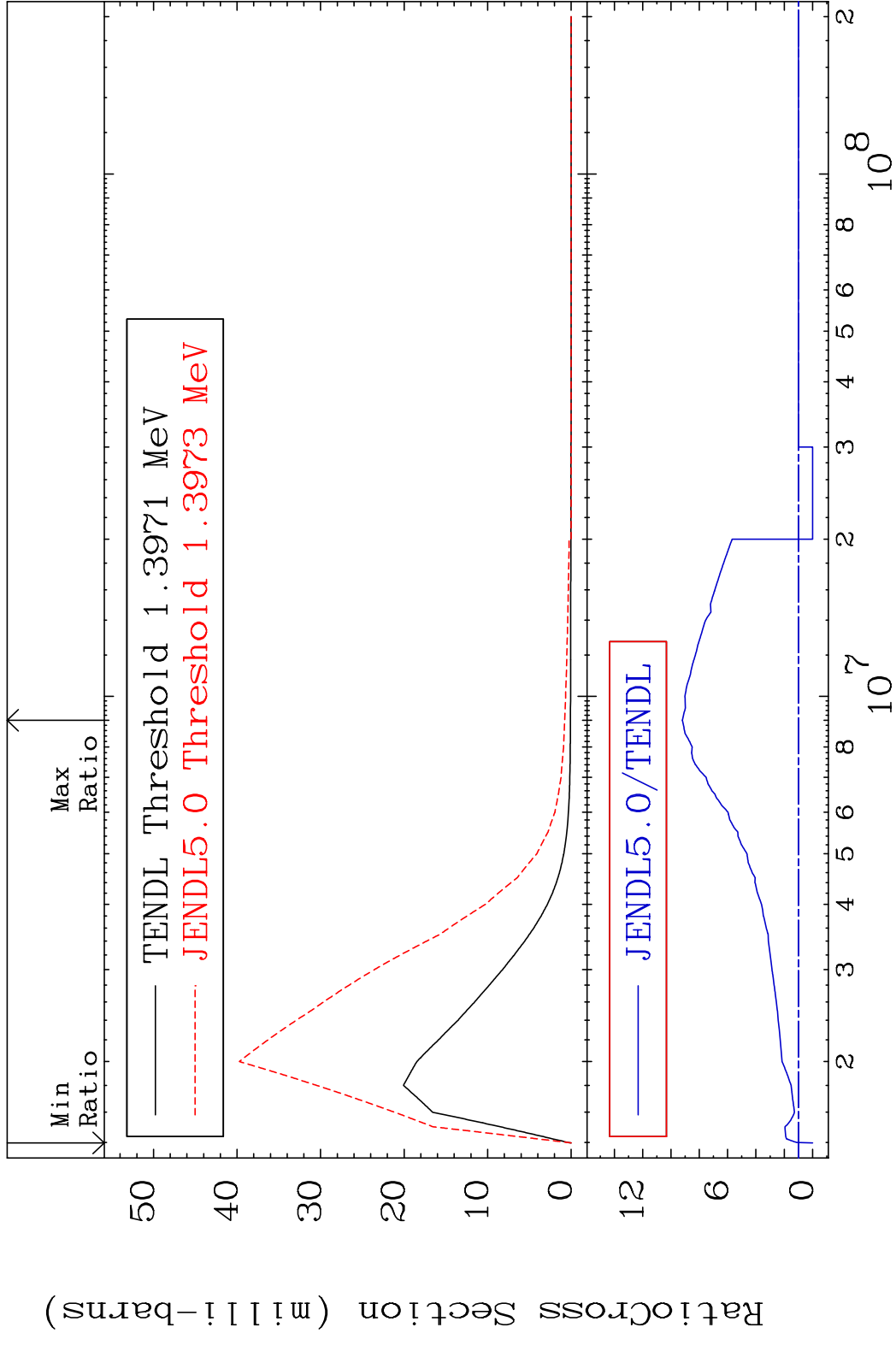
MAT 4434 MT= 69 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 628.2 %



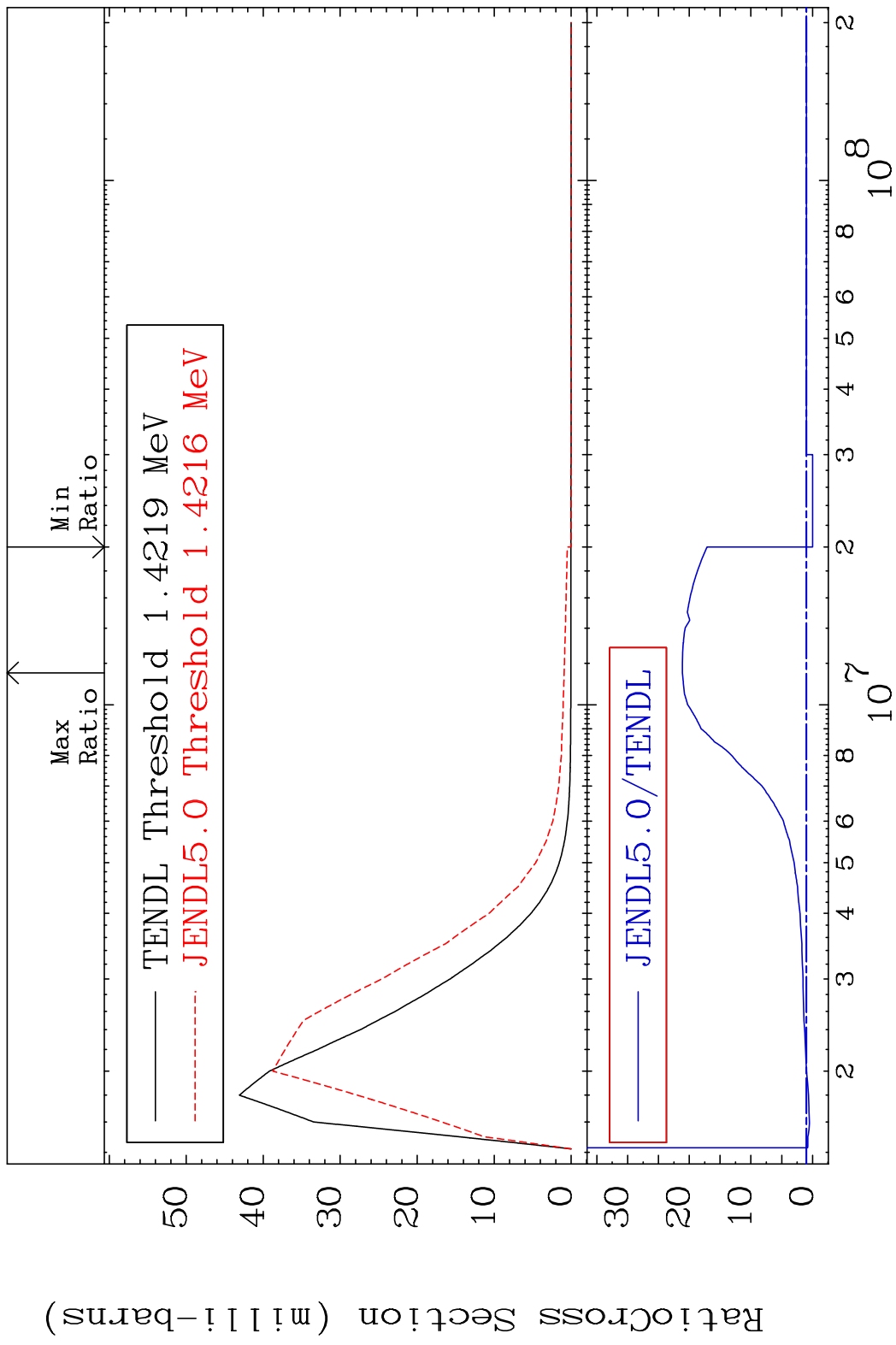
MAT 4434 MT= 70 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 627.3 %



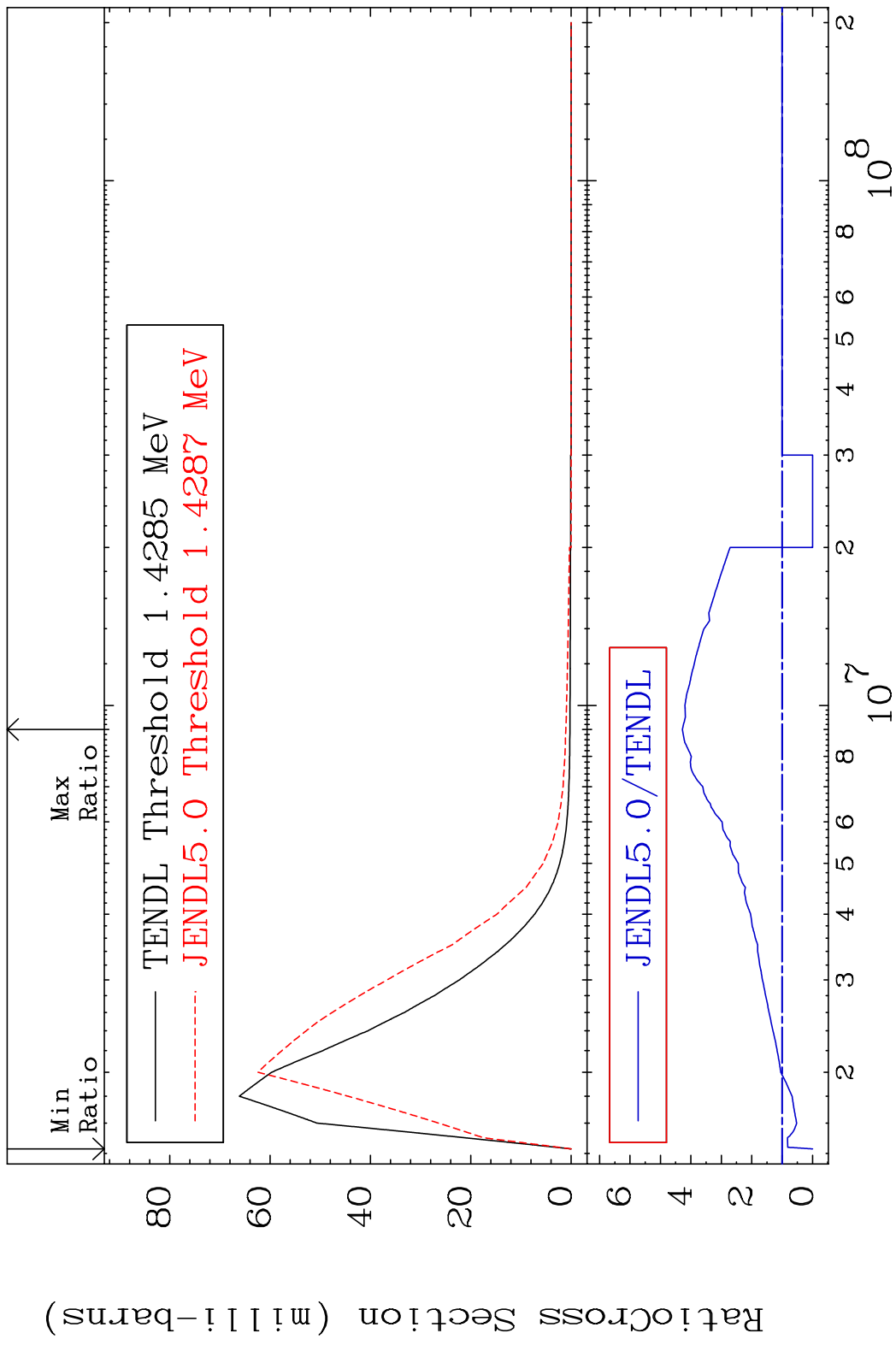
MAT 4434 MT= 71 (n,n') Level 44-Ru-99
 Cross Section -100.0 To 819.7 %



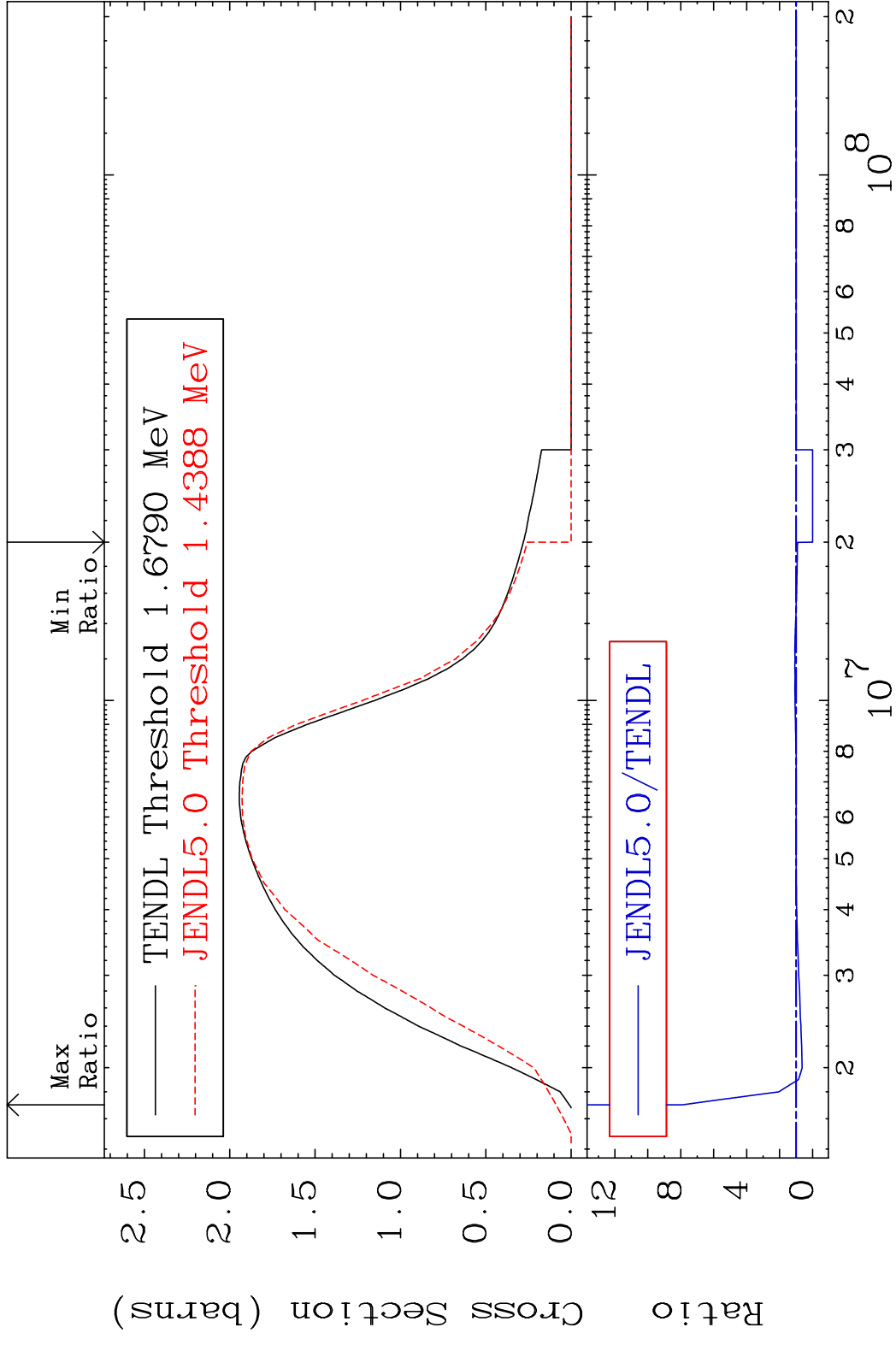
MAT 4434 MT= 72 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 2012. %



MAT 4434 MT= 73 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 327.9 %



MAT 4434 (n, n') Continuum 44-Ru-99
 Cross Section -100.0 To 690.3 %

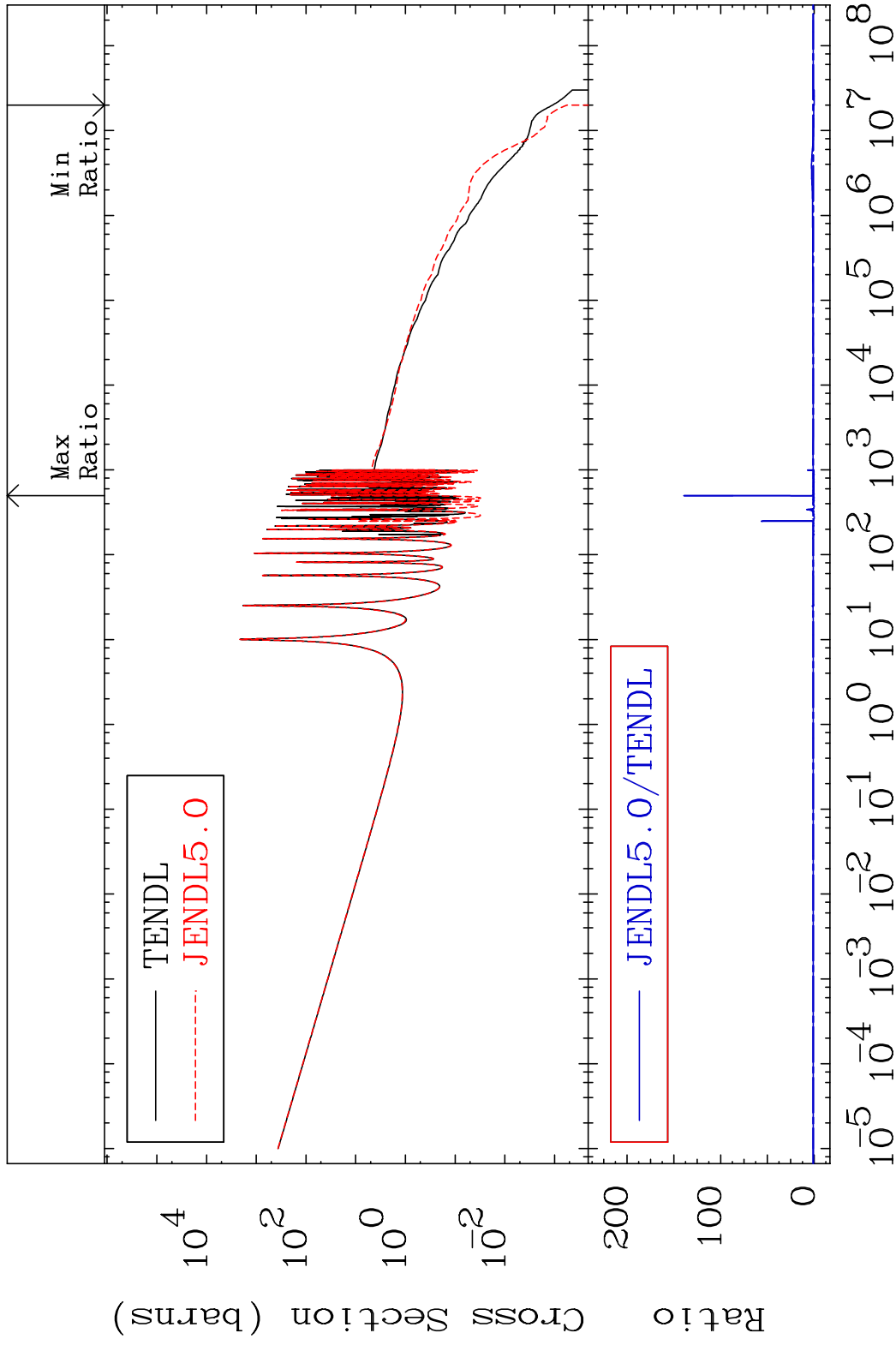


MAT 4434

(n, γ)

44-Ru-99

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

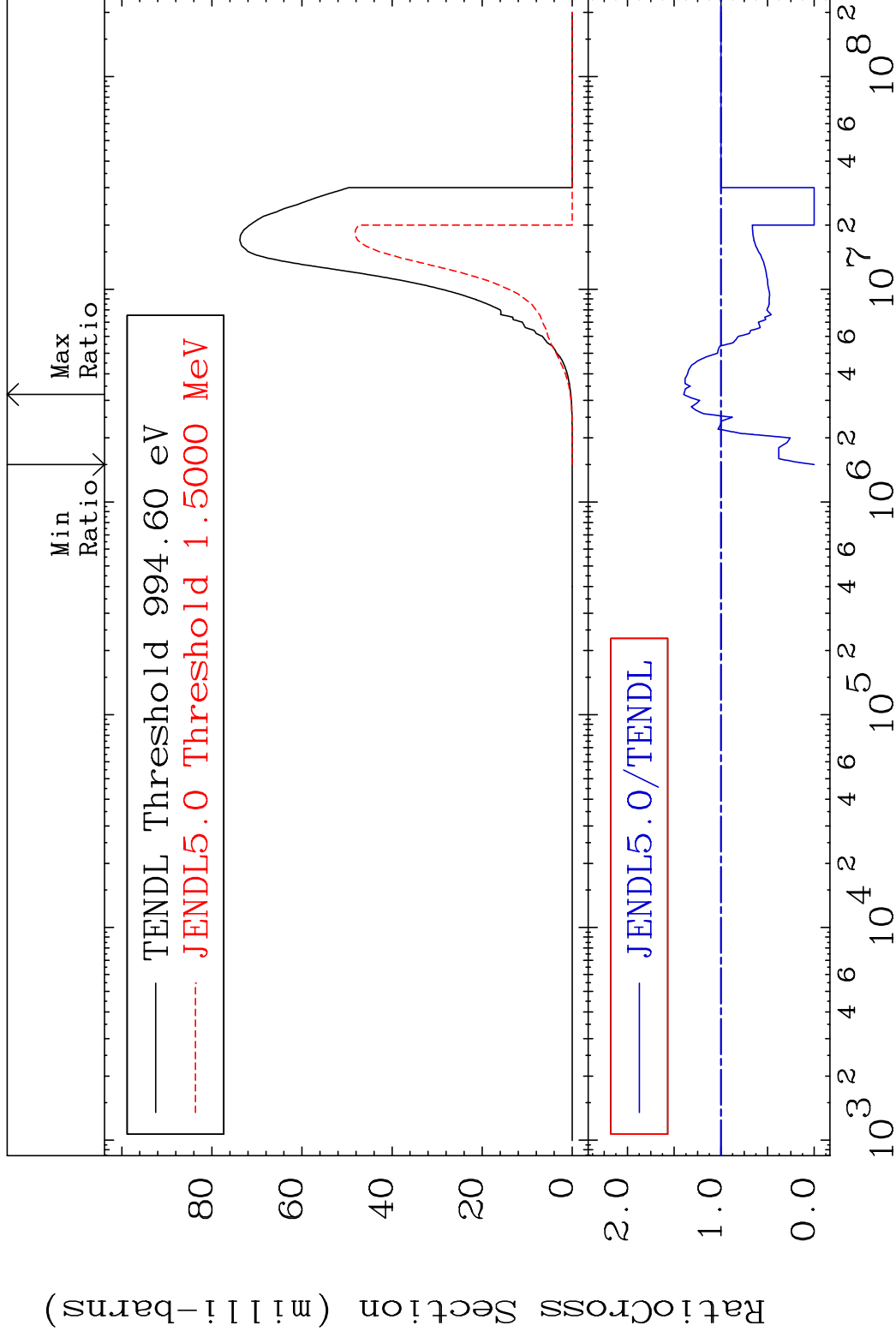
44-Ru-99

MAT 4434

(n, p)

44-Ru-99

Cross Section -100.0 To 39.86 %



35

Incident Energy (eV)

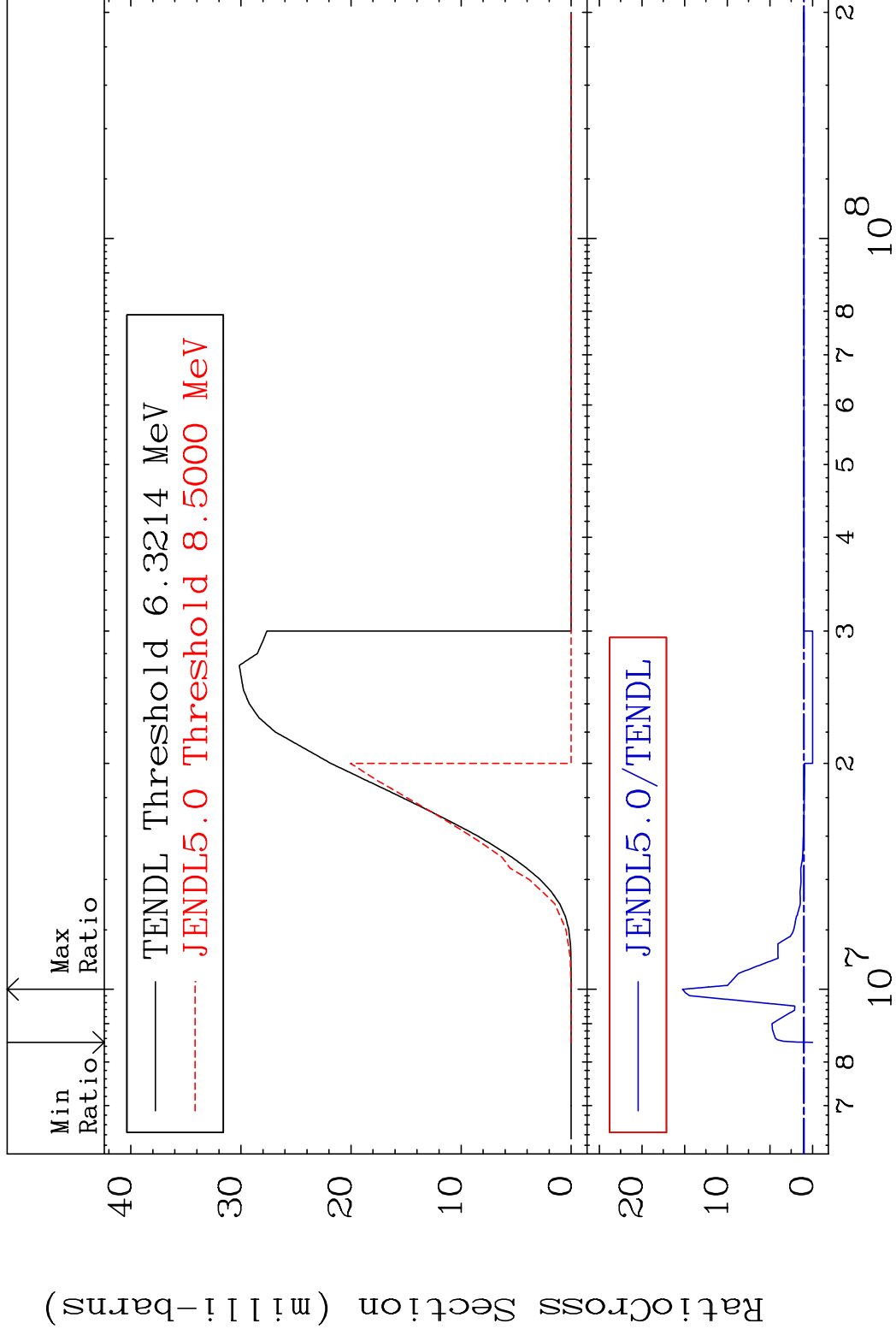
44-Ru-99

MAT 4434

(n,d)

44-Ru-99

Cross Section -100.0 To 1426. %

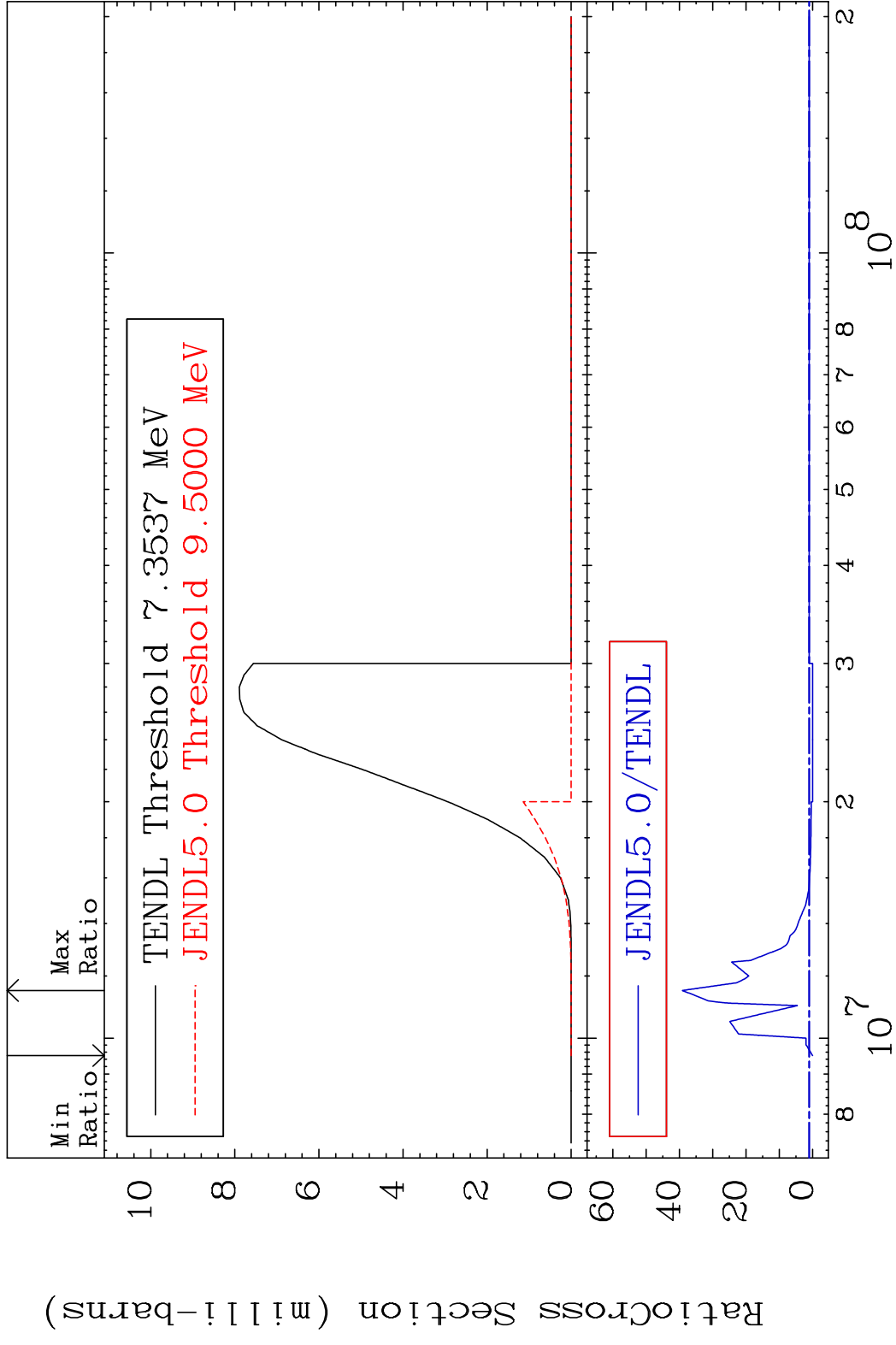


36

Incident Energy (eV)

44-Ru-99

MAT 4434 (n, t) 44-Ru-99
 Cross Section -100.0 To 3812. %

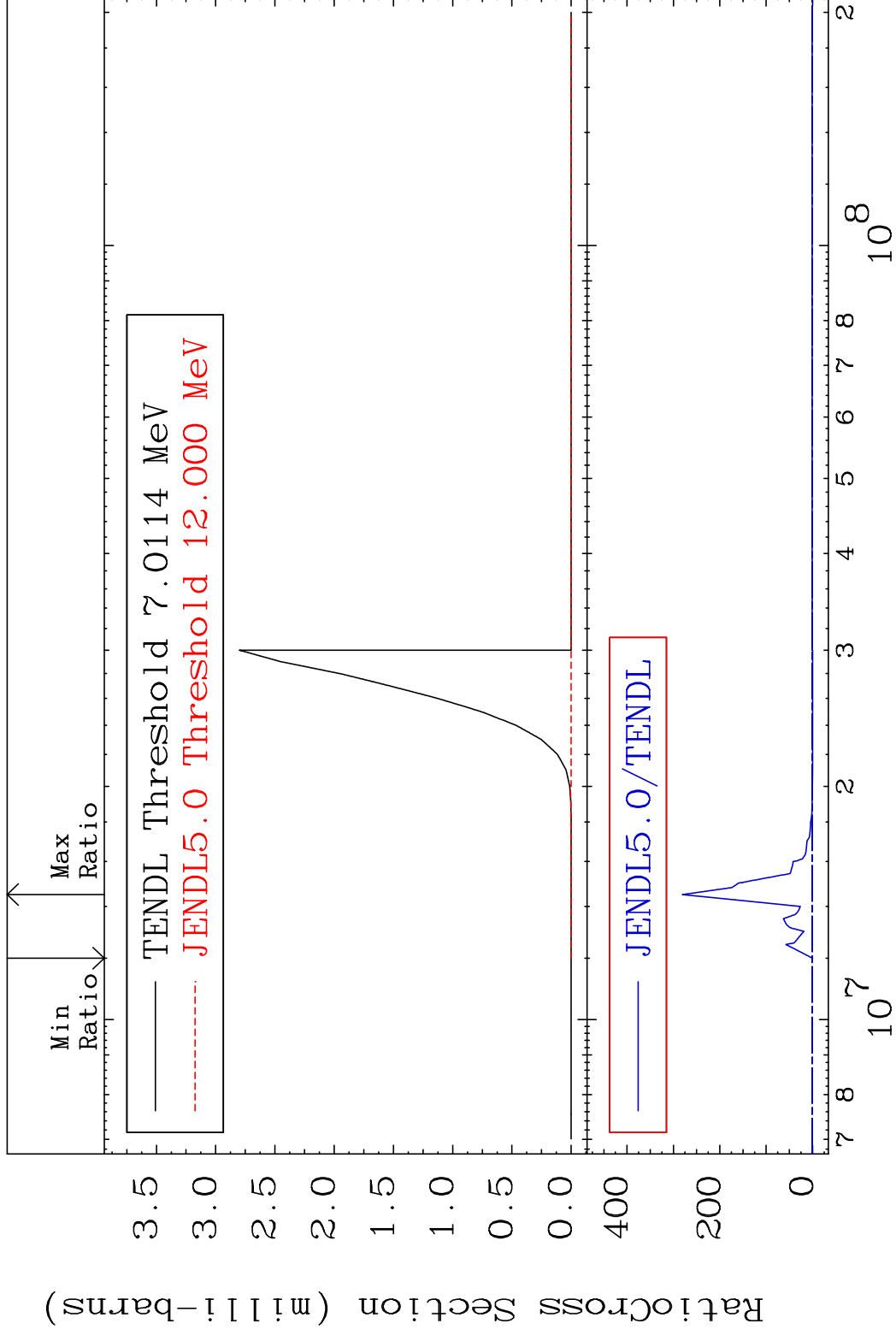


MAT 4434

(n, He-3)

44-Ru-99

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

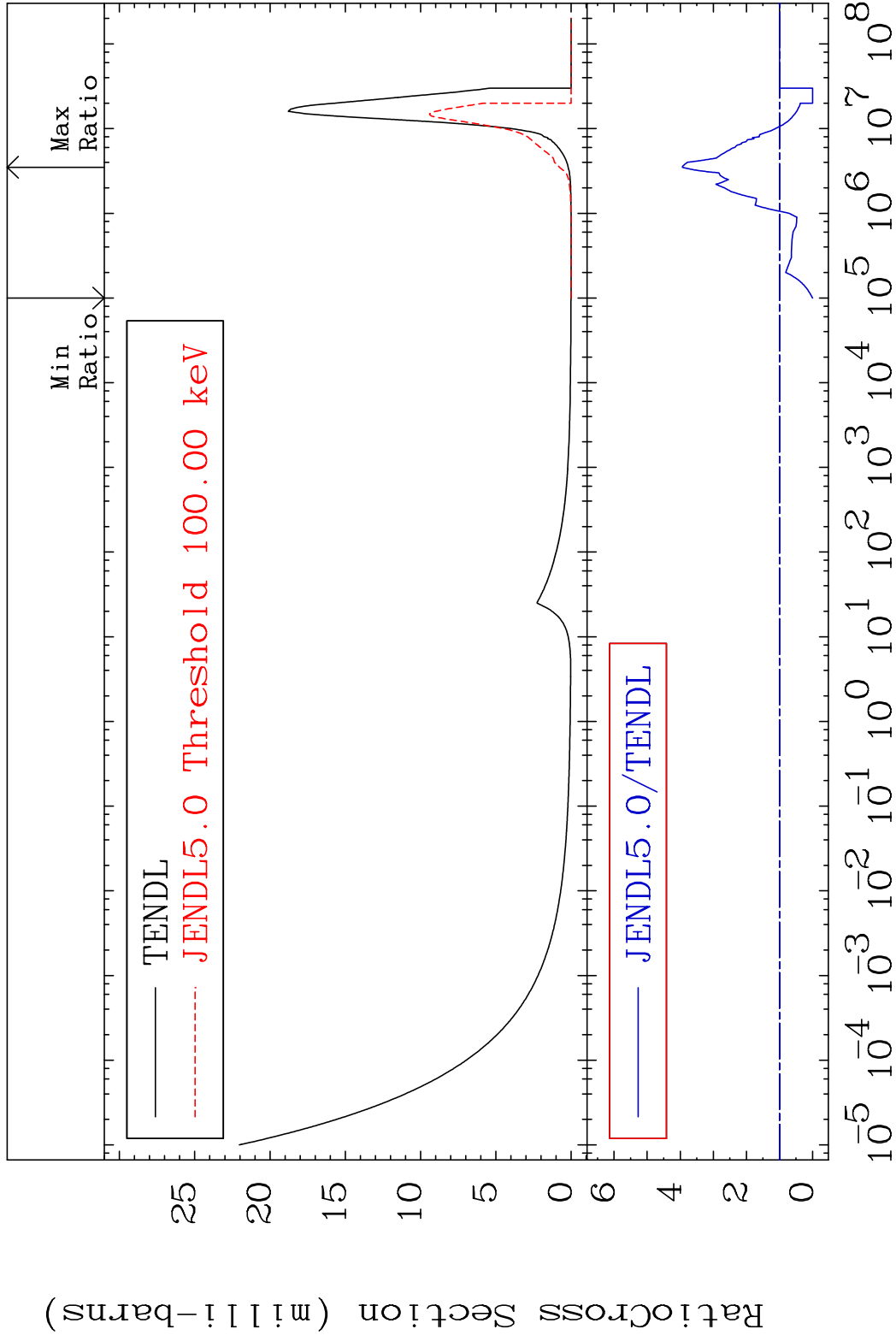
44-Ru-99

MAT 4434

(n, α)

44-Ru-99

Cross Section -100.0 To 293.6 %

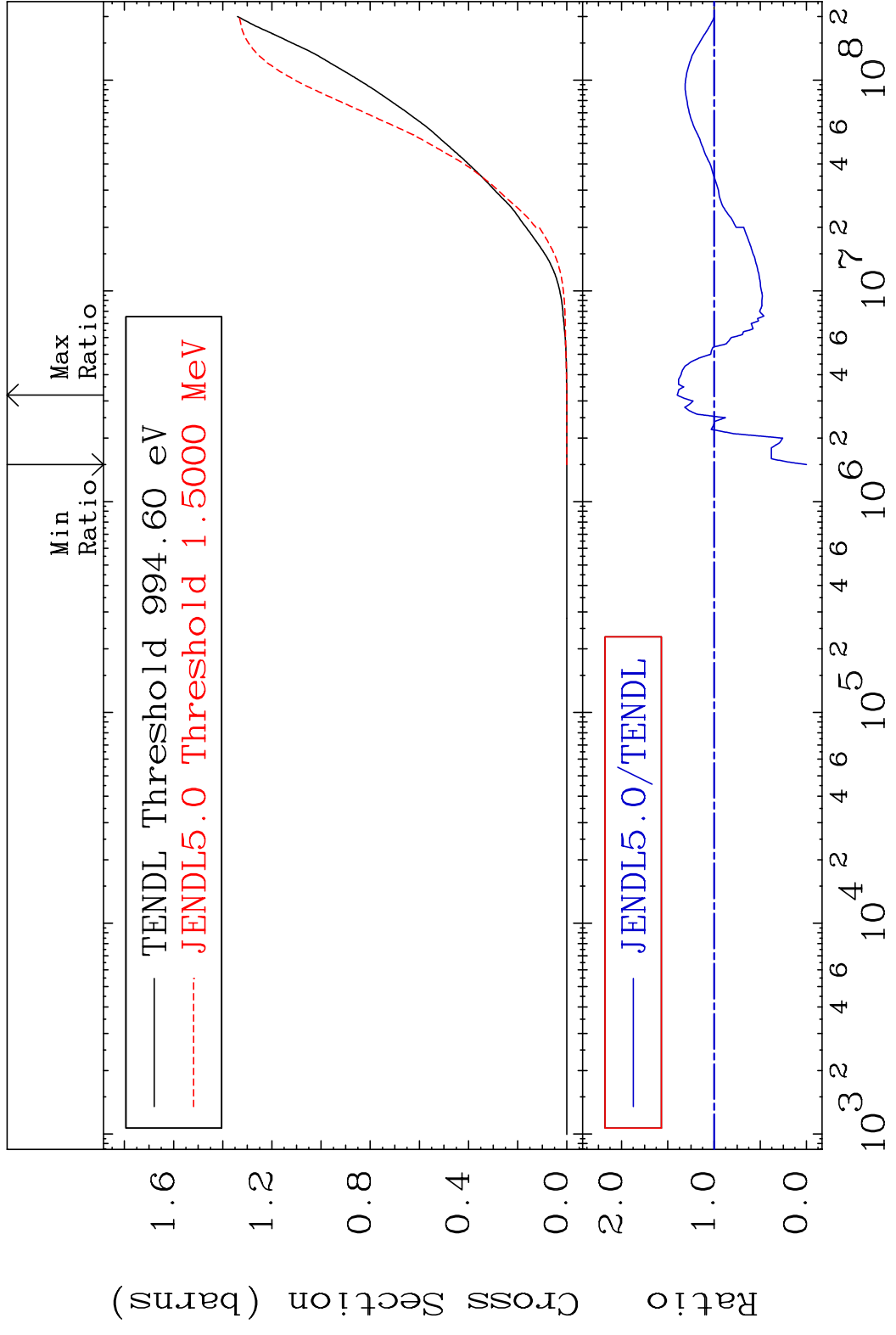


39

Incident Energy (eV)

44-Ru-99

MAT 4434 Hydrogen Production 44-Ru-99
 Cross Section -100.0 To 39.86 %

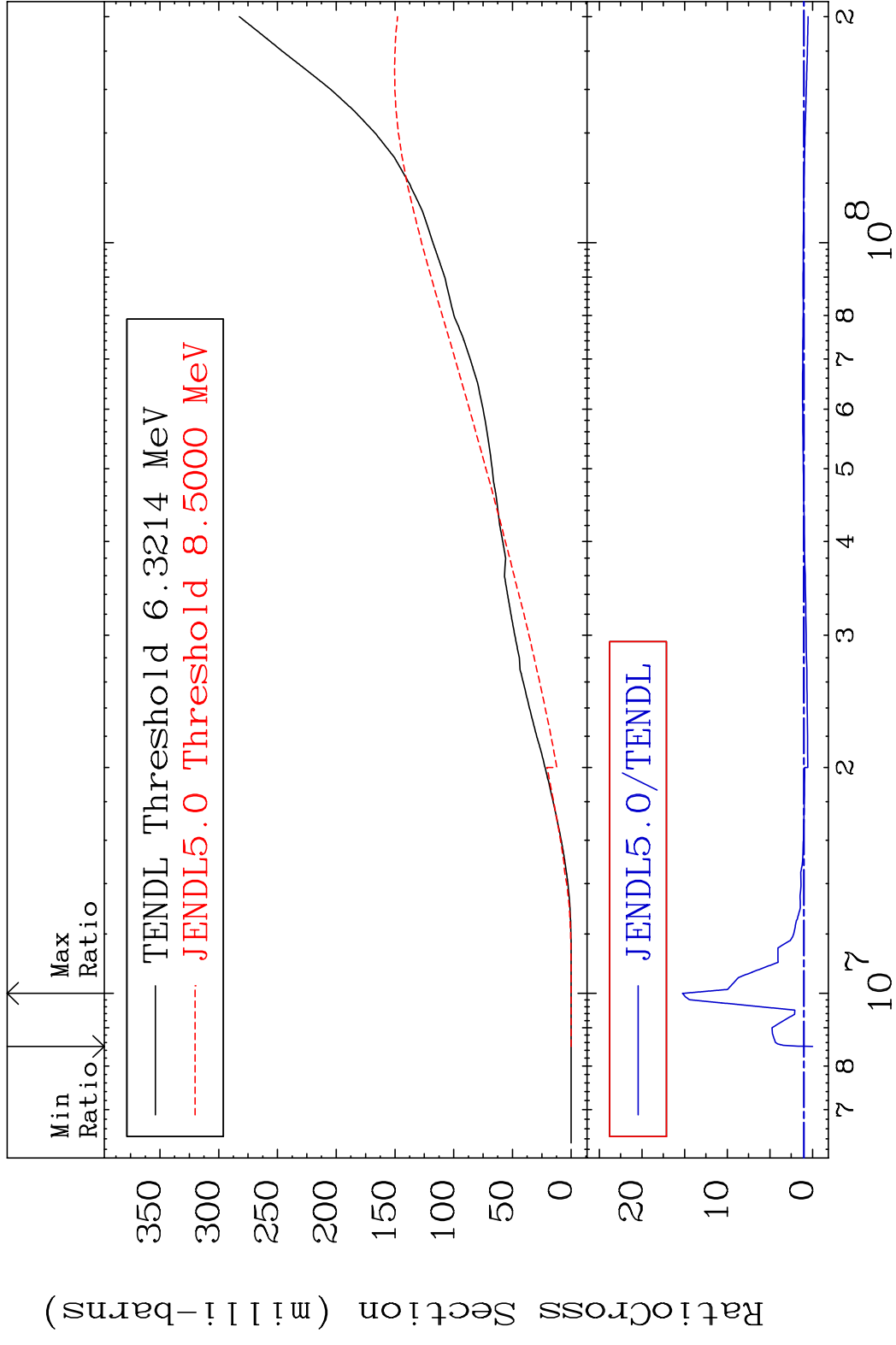


40 Incident Energy (eV) 44-Ru-99

MAT 4434

Deuterium Production 44-Ru-99

Cross Section -100.0 To 1426. %

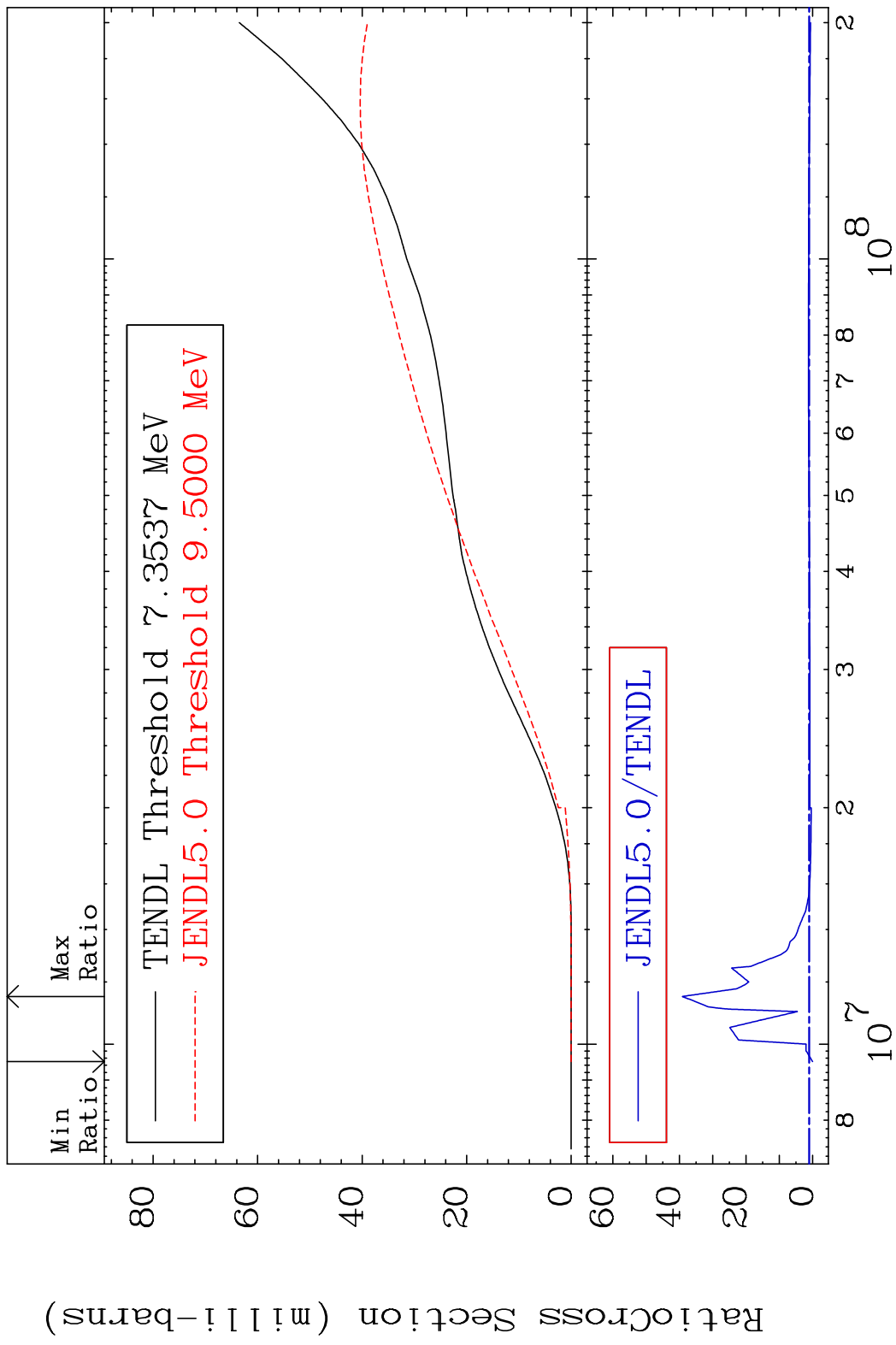


41

Incident Energy (eV)

44-Ru-99

MAT 4434 Tritium Production 44-Ru-99
 Cross Section -100.0 To 3812. %



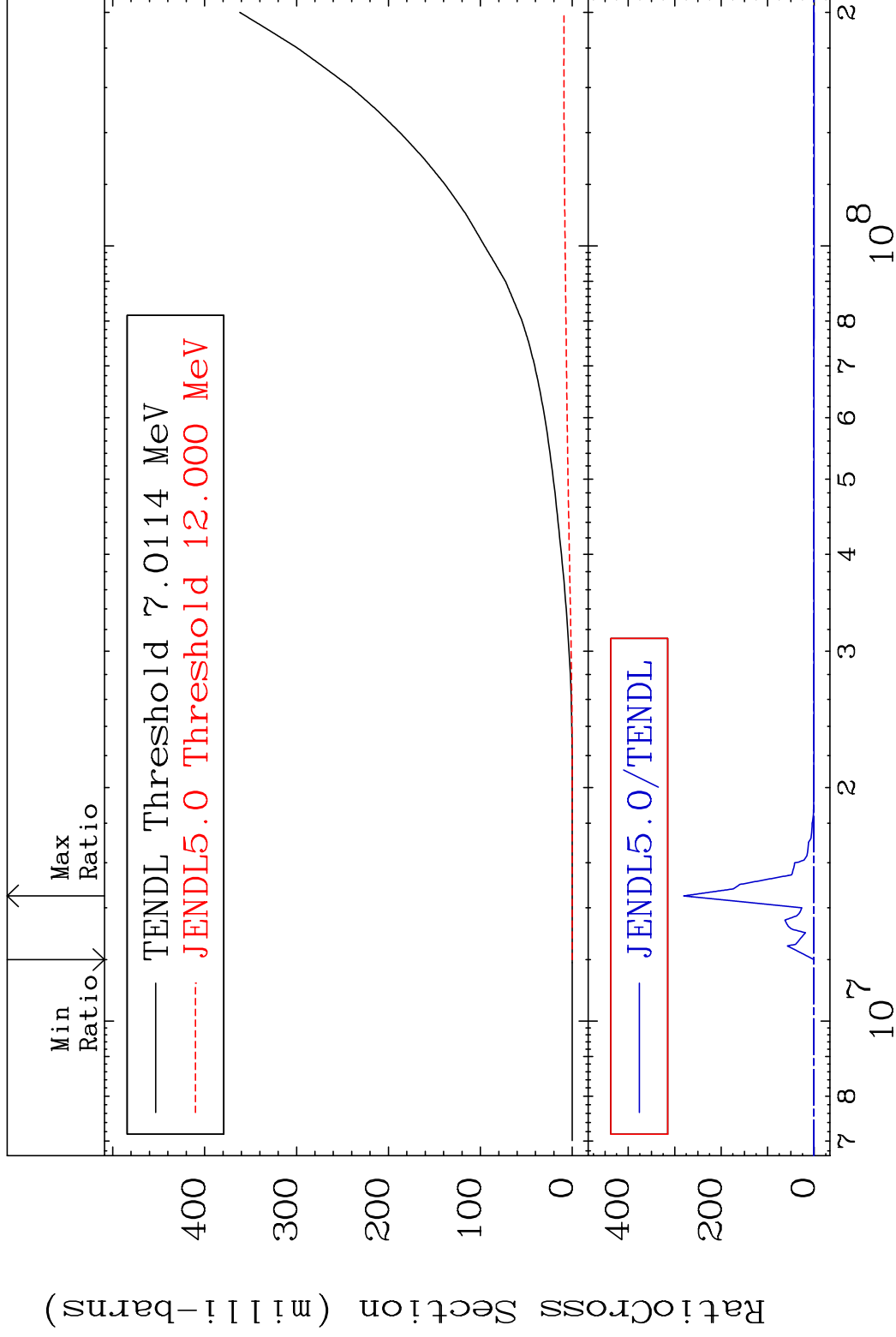
42 44-Ru-99

MAT 4434

He-3 Production

44-Ru-99

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

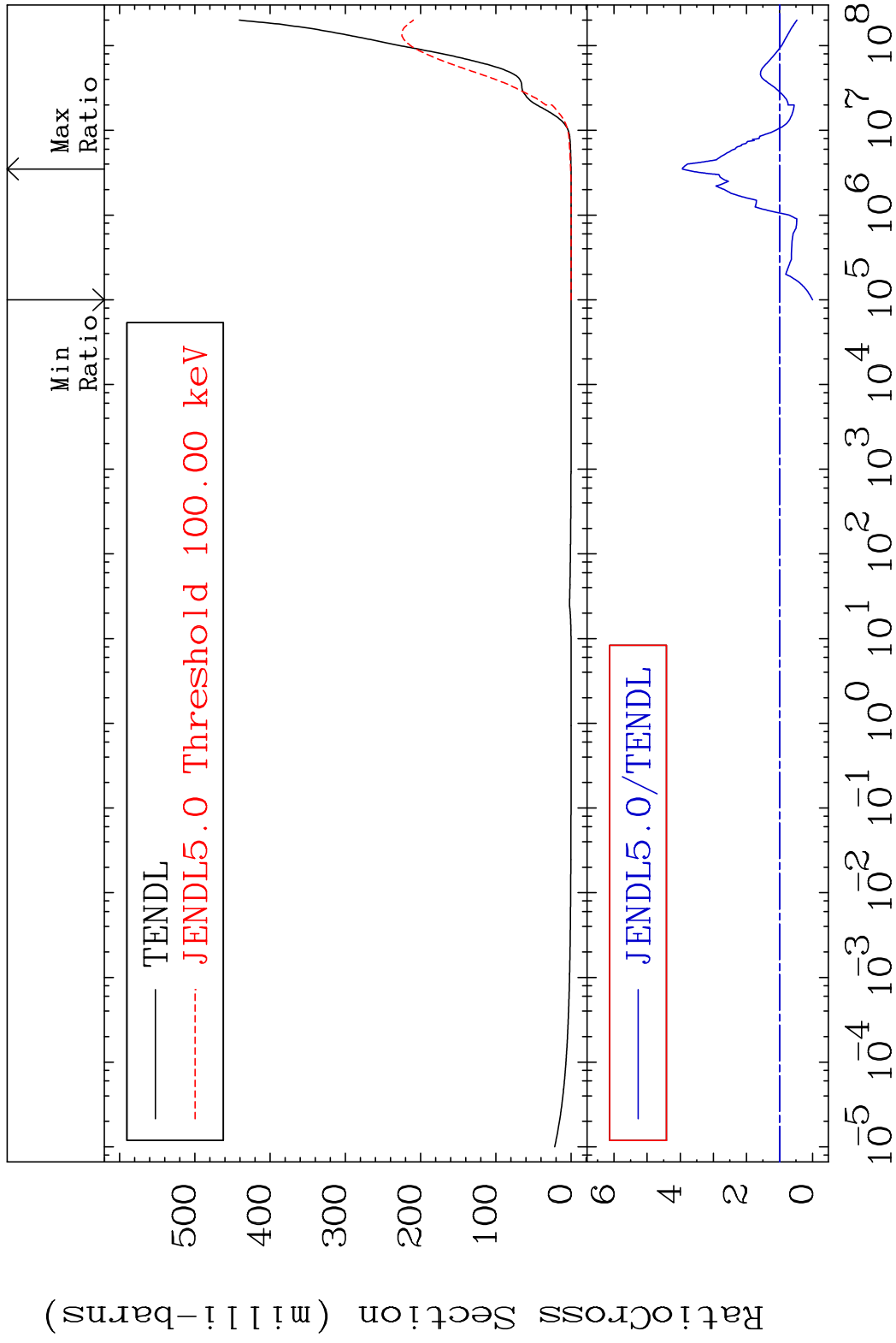
44-Ru-99

MAT 4434

He-4 Production

44-Ru-99

Cross Section -100.0 To 293.6 %

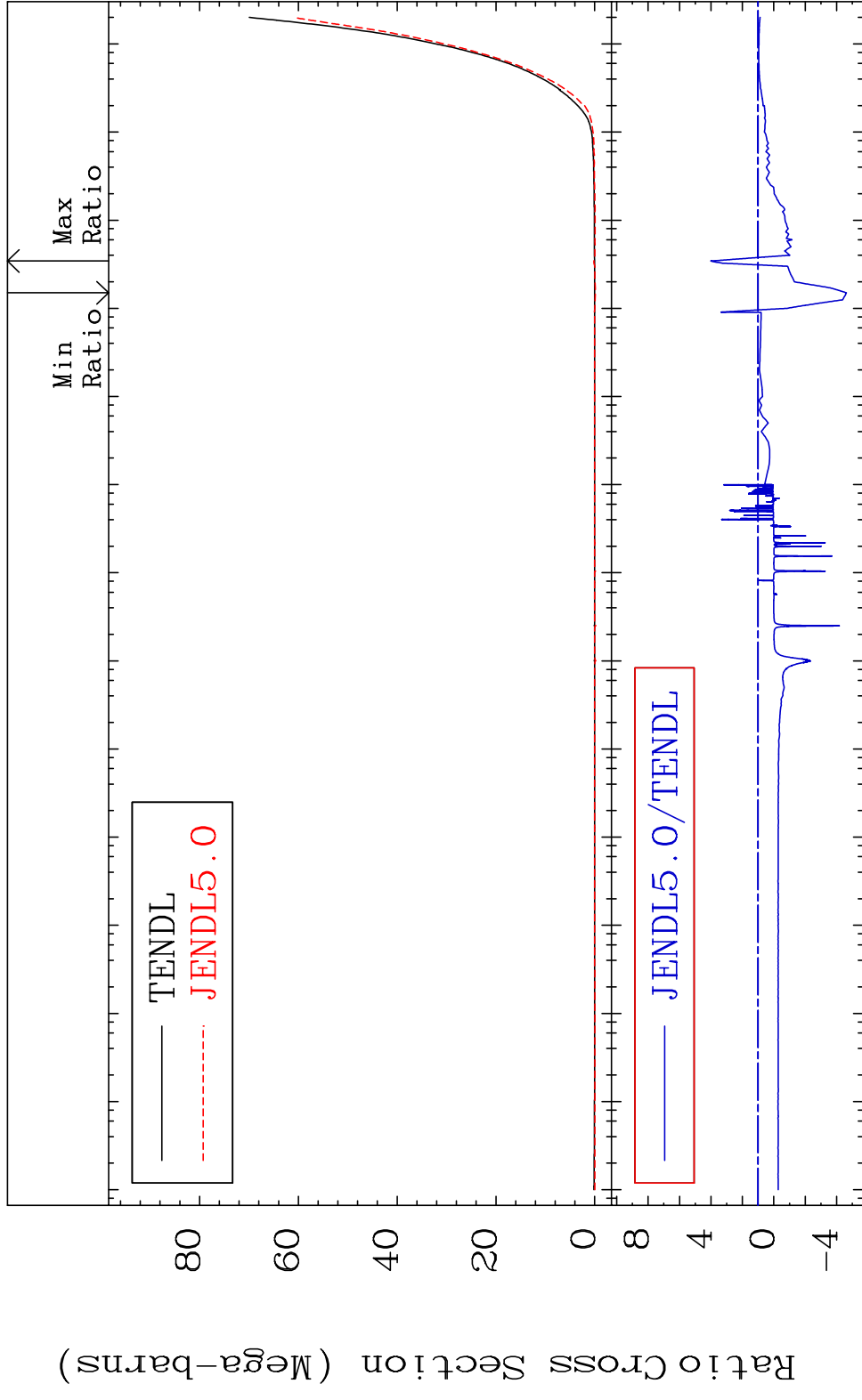


44

Incident Energy (eV)

44-Ru-99

MAT 4434 Kerma total (eV-barns) 44-Ru-99
Cross Section -561.7 To 301.5 %



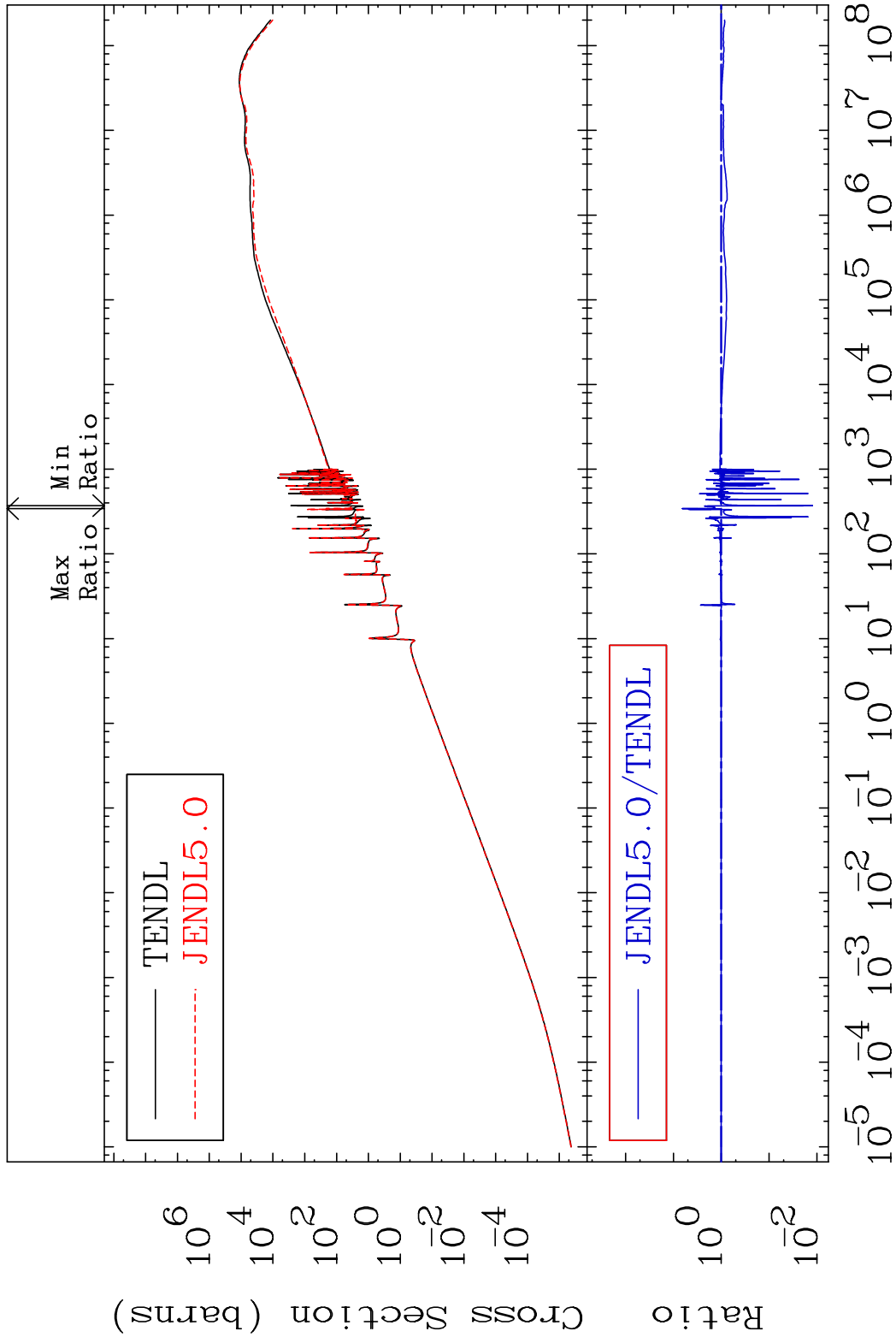
45 Incident Energy (eV) 44-Ru-99

MAT 4434

Kerma elastic

44-Ru-99

Cross Section -98.76 To 549.8 %

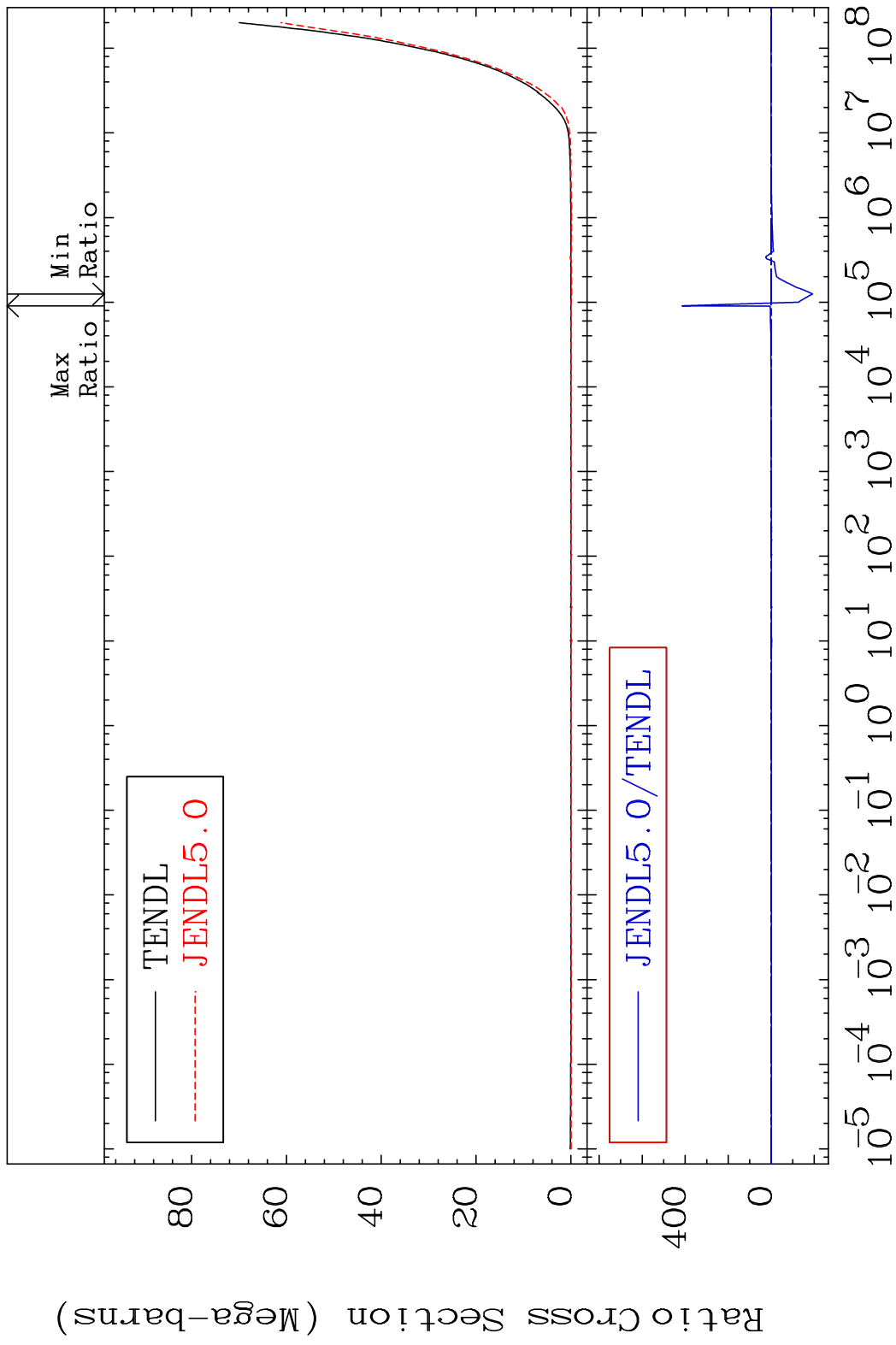


46

Incident Energy (eV)

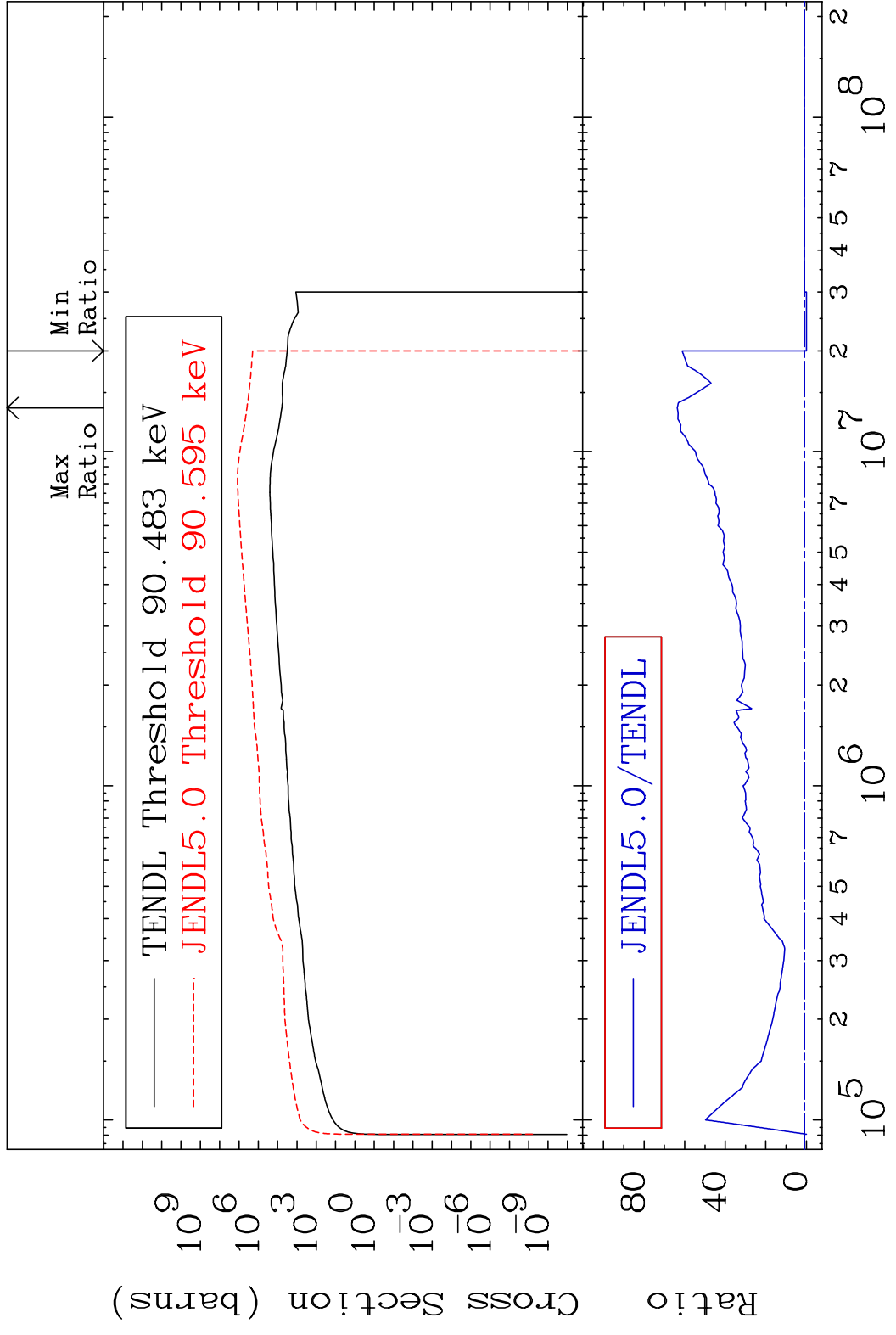
44-Ru-99

MAT 4434 Kerma non-elastic (all but mt2) 44-Ru-99
Cross Section -9999. To 9999. %



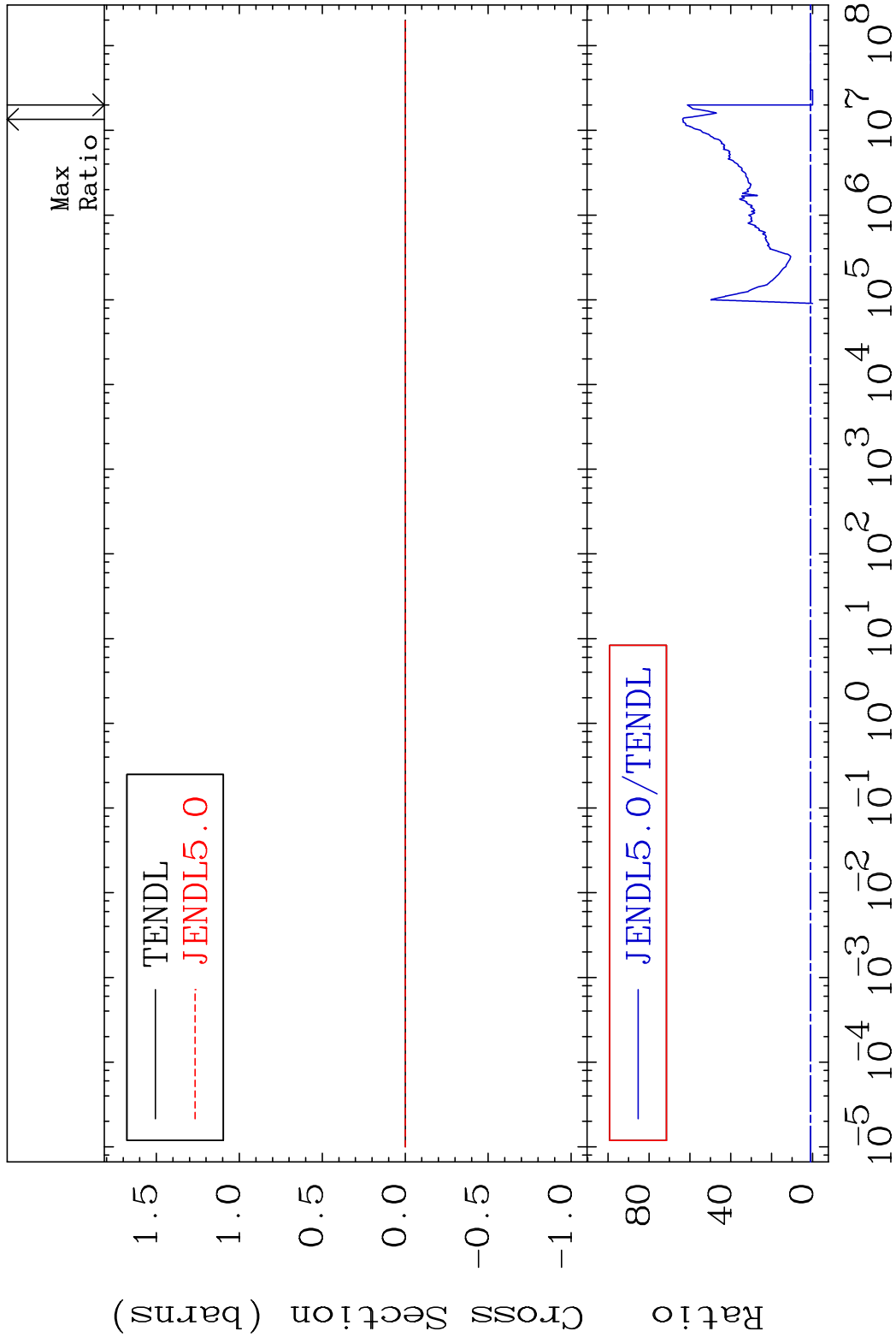
47 Incident Energy (eV) 44-Ru-99

MAT 4434 Kerma inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 6269. %

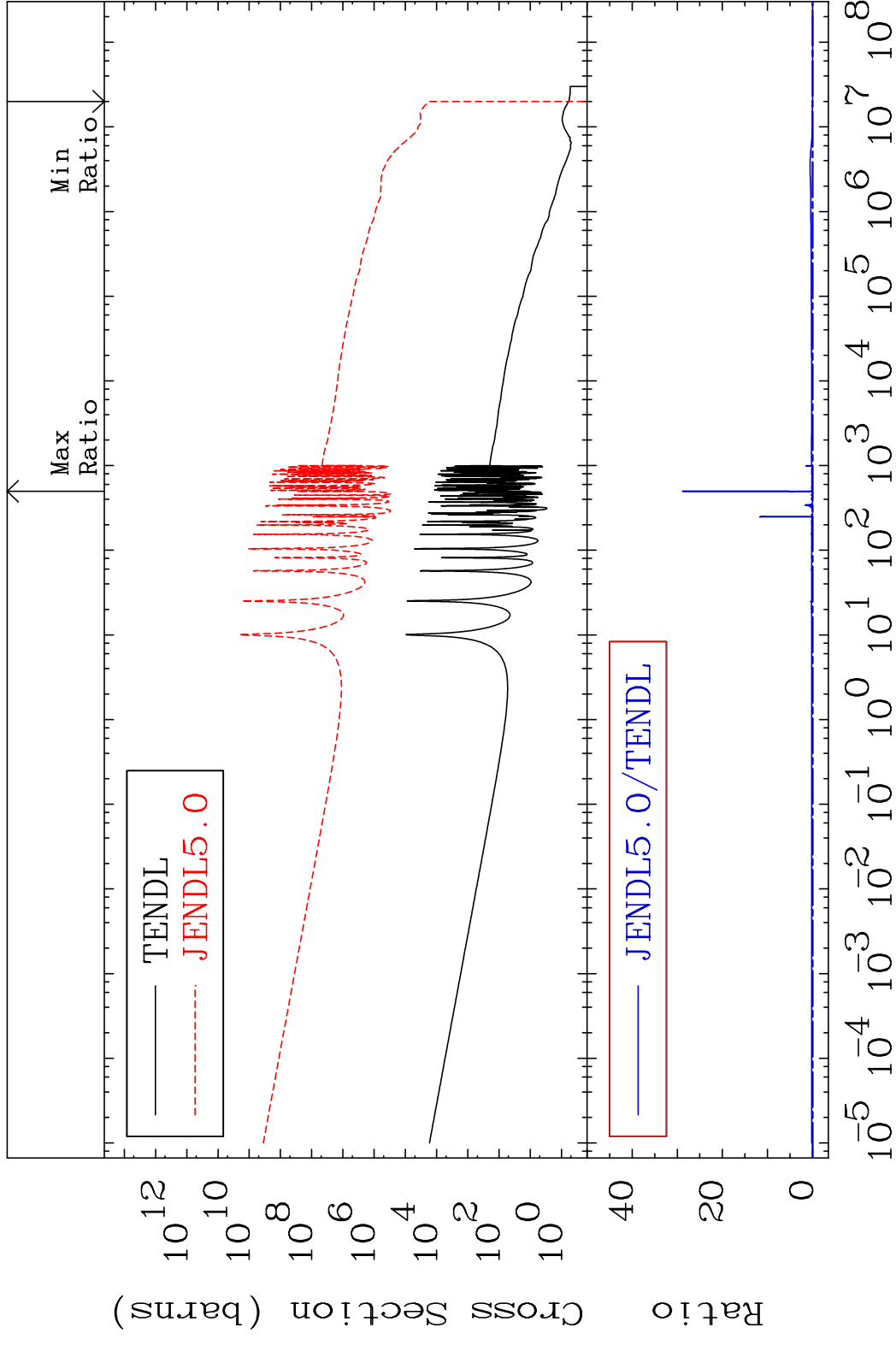


48 Incident Energy (eV) 44-Ru-99

MAT 4434 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-99
Cross Section -100.0 To 6269. %

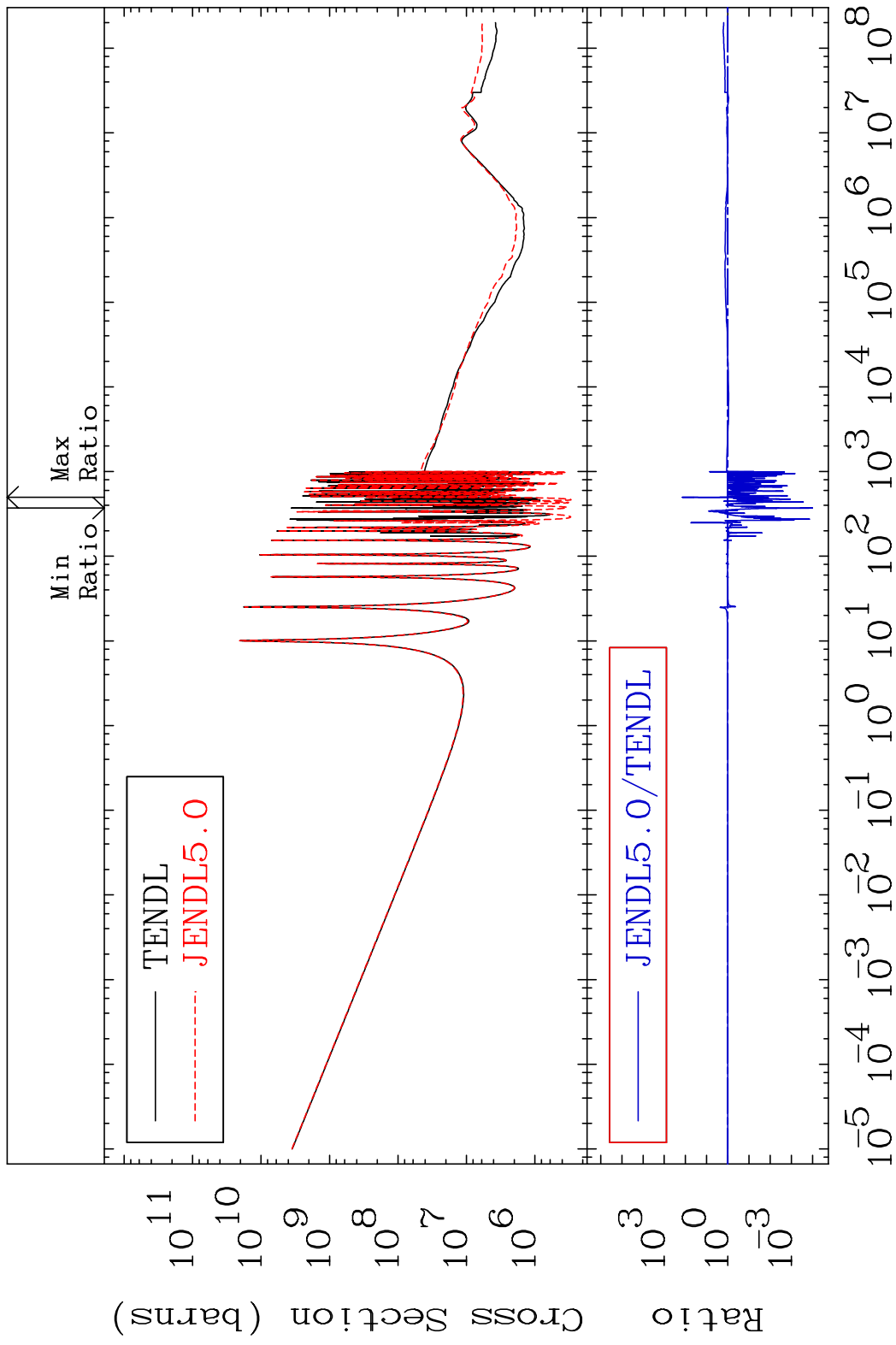


MAT 4434 Kerma capture (mt102) 44-Ru-99
 Cross Section -100.0 To 9999. %

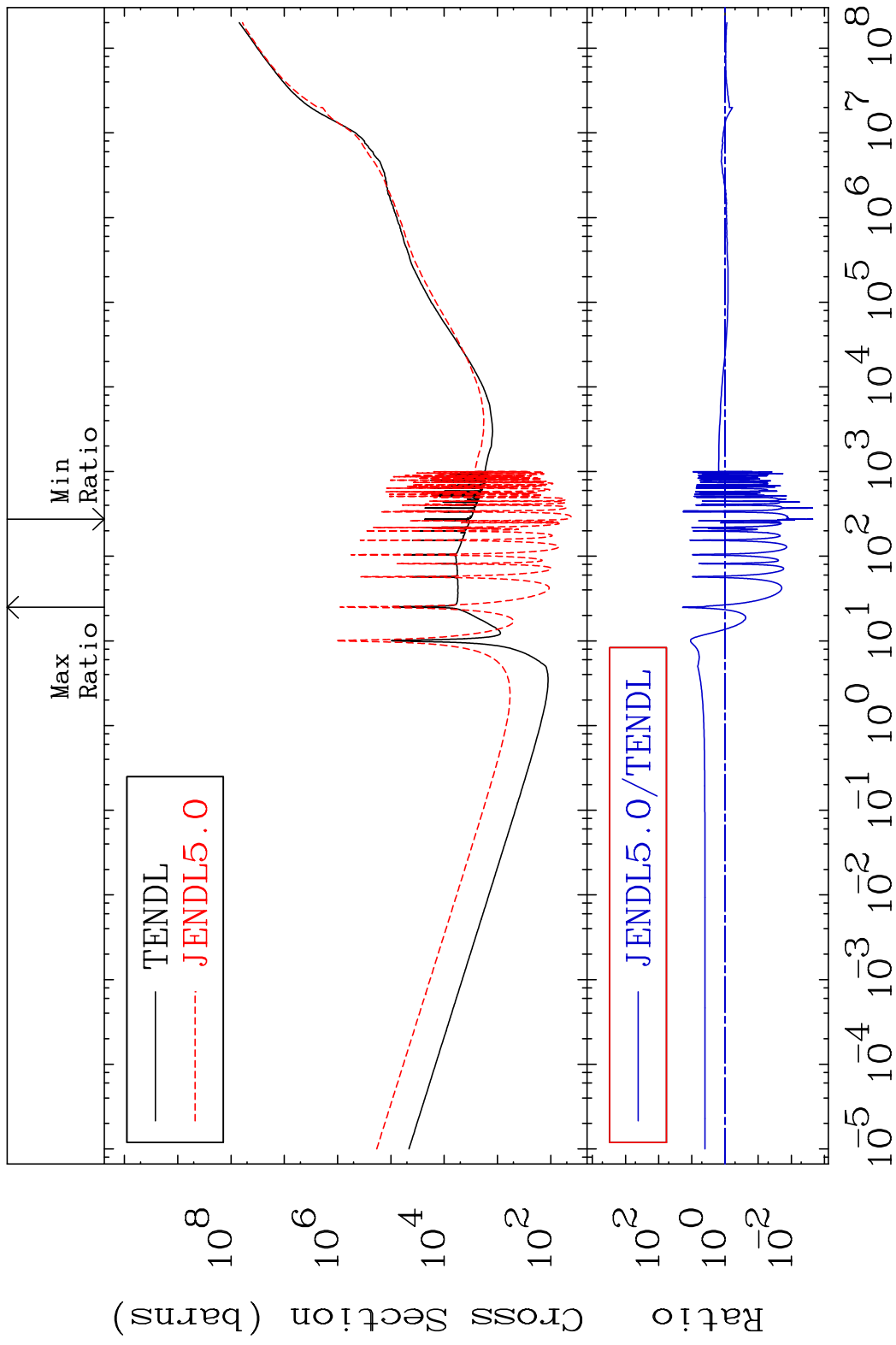


50 Incident Energy (eV) 44-Ru-99

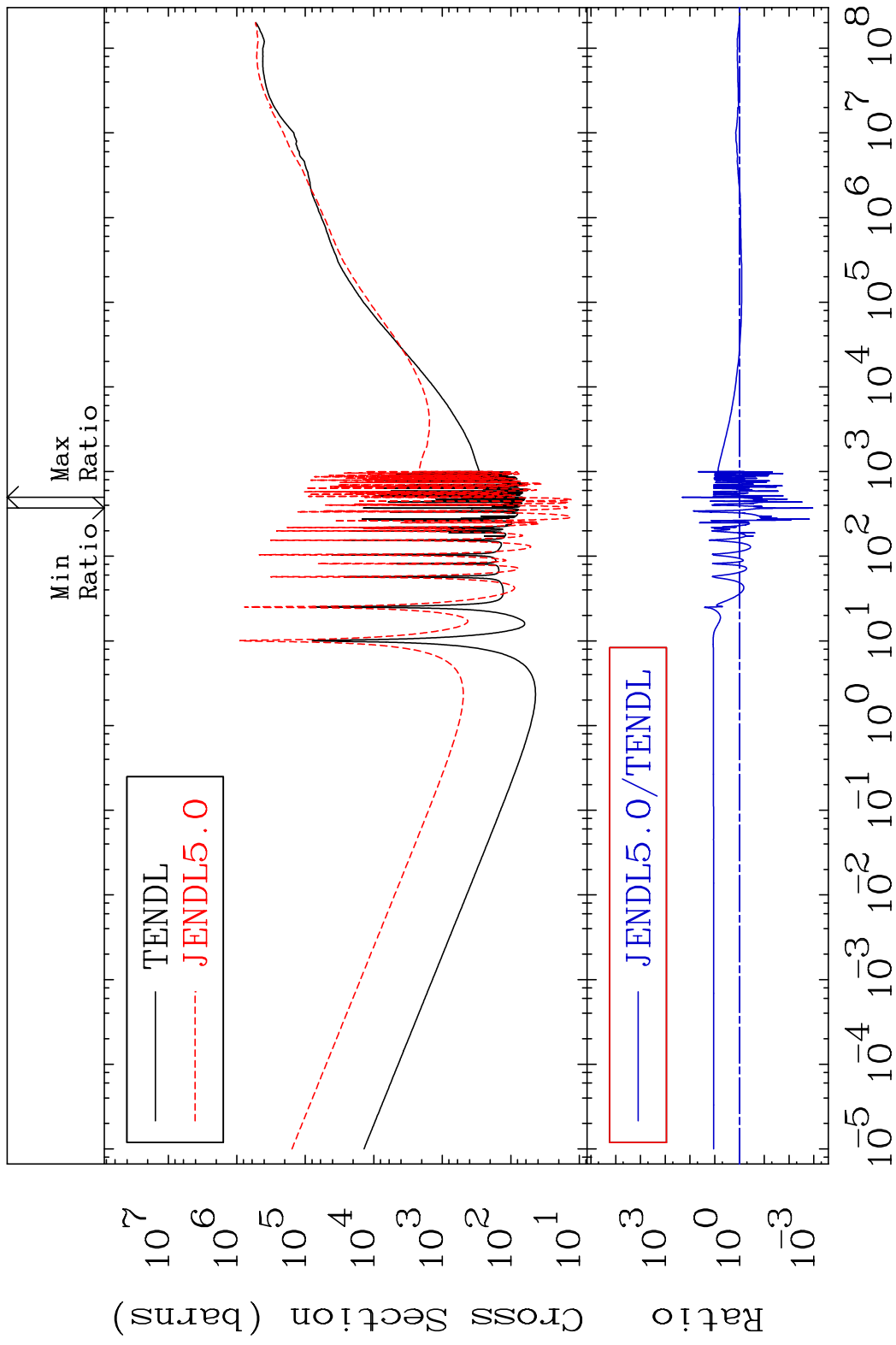
MAT 4434 Total photon (eV-barns) 44-Ru-99
 Cross Section -99.99 To 9999. %



MAT 4434 Total kinematic kerma (high limit) 44-Ru-99
 Cross Section -99.77 To 1831. %



MAT 4434 Dpa total (eV-barns) 44-Ru-99
 Cross Section -99.89 To 9999. %

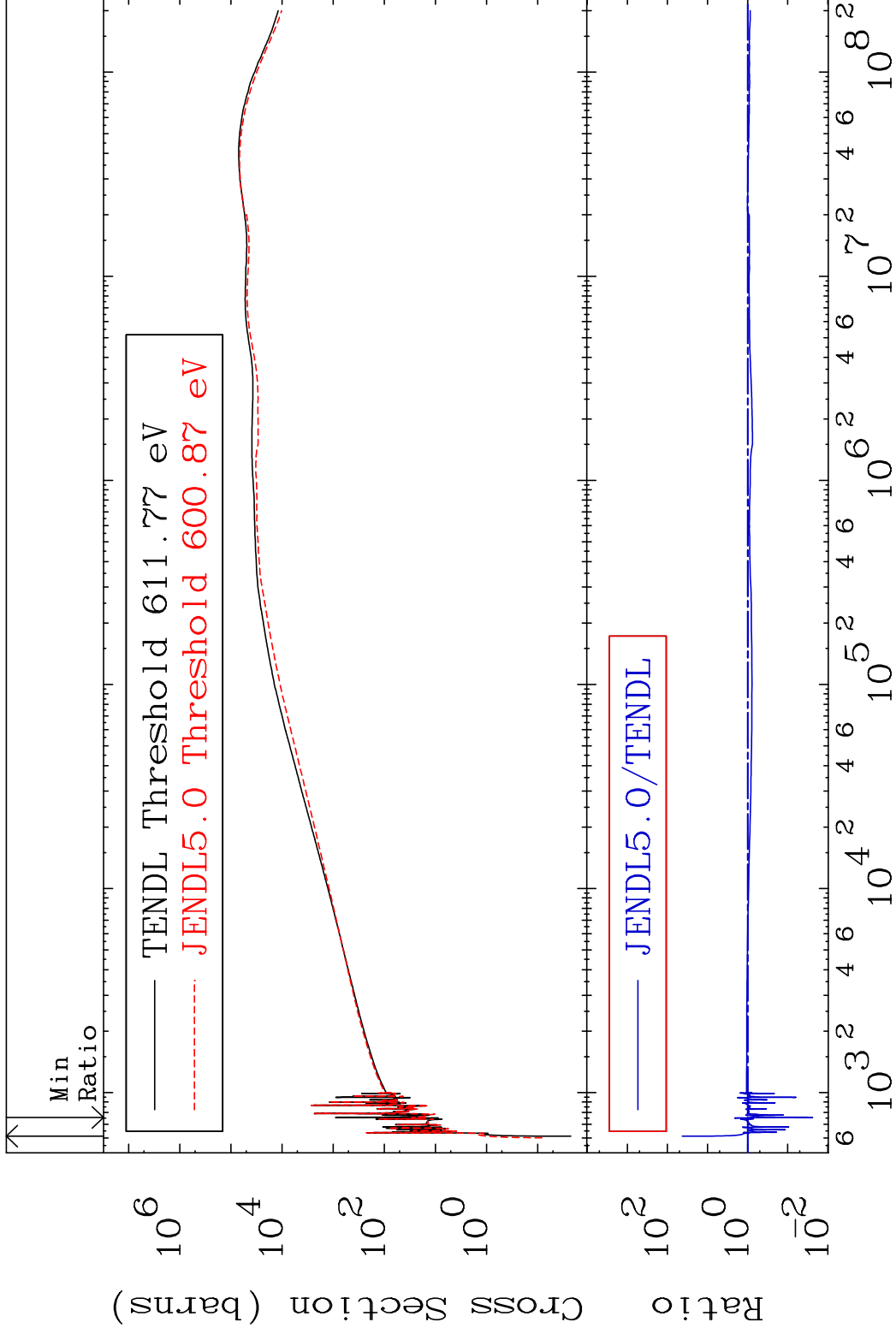


MAT 4434

Dpa elastic (mt2)

44-Ru-99

Cross Section -97.59 To 4193. %



54

Incident Energy (eV)

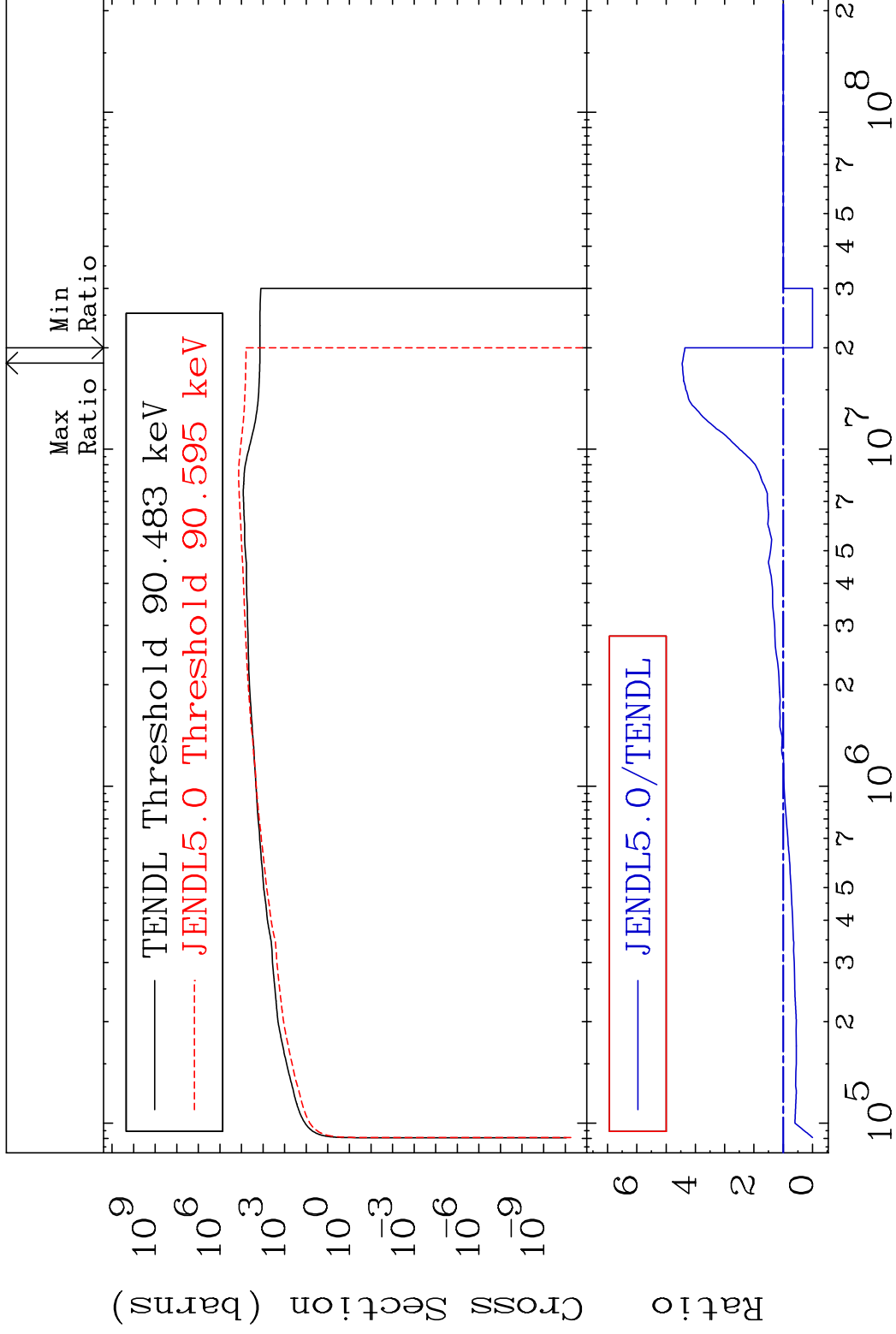
44-Ru-99

MAT 4434

Dpa inelastic (mt51-91)

44-Ru-99

Cross Section -100.0 To 345.2 %

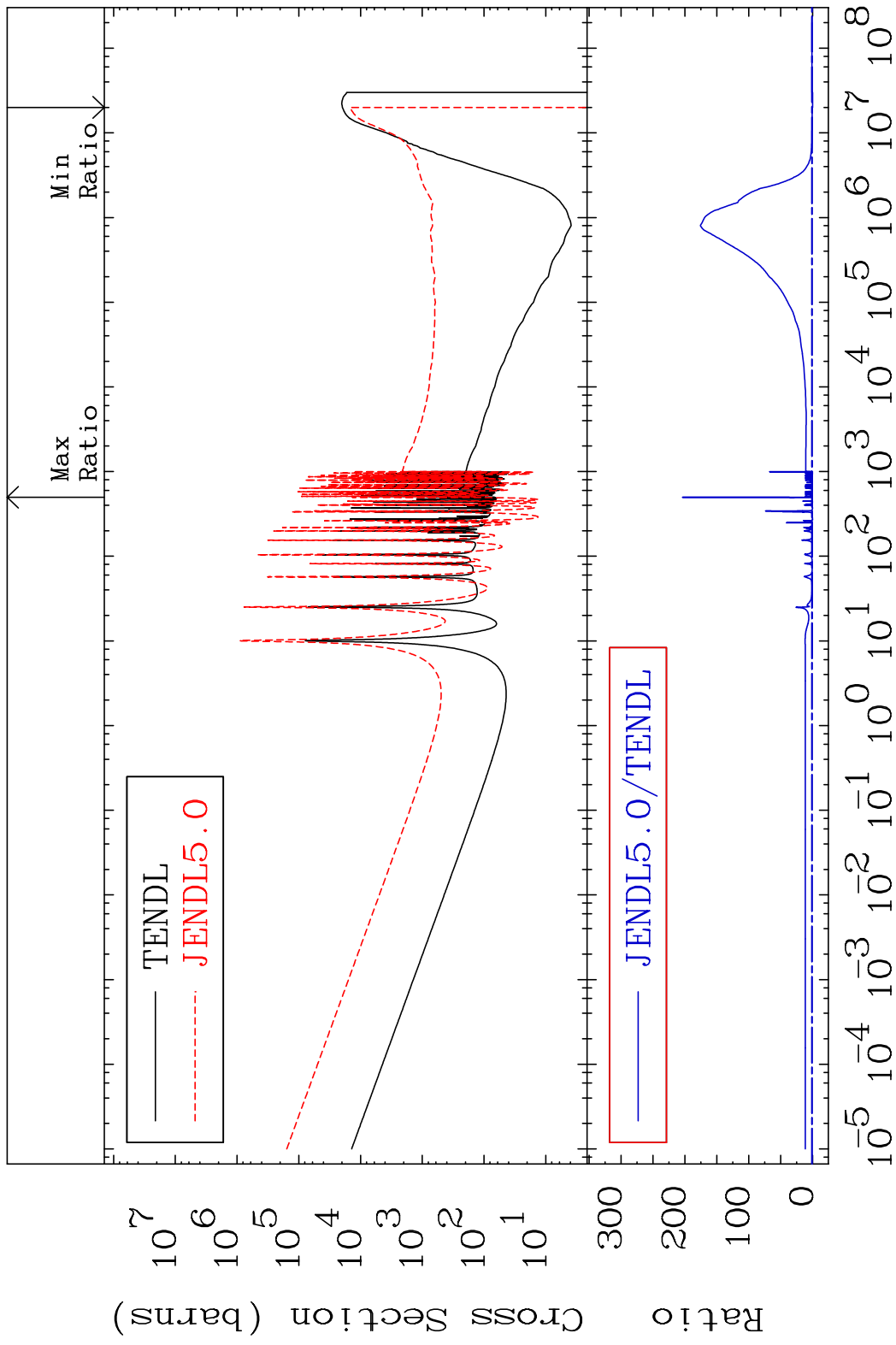


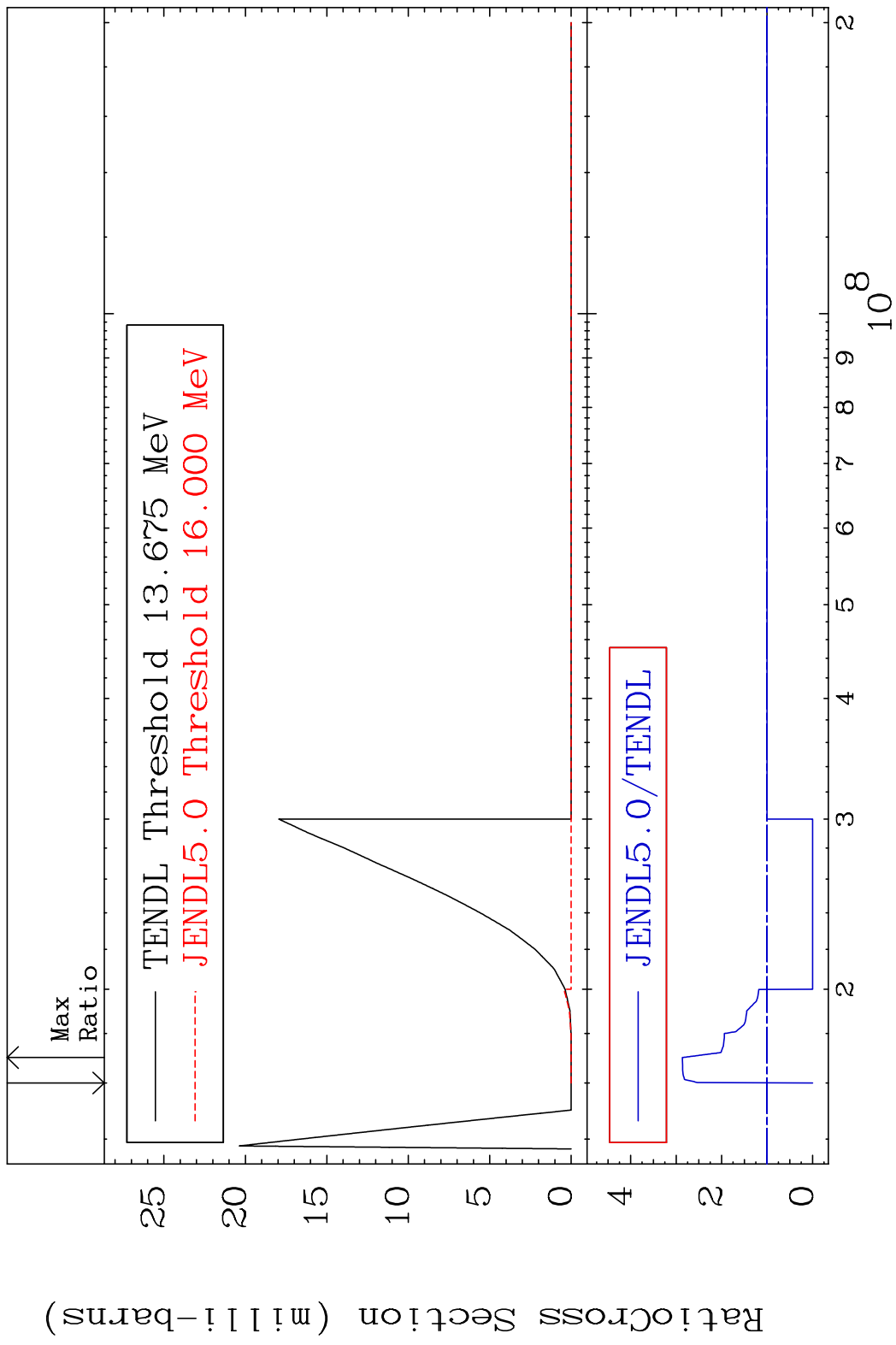
55

Incident Energy (eV)

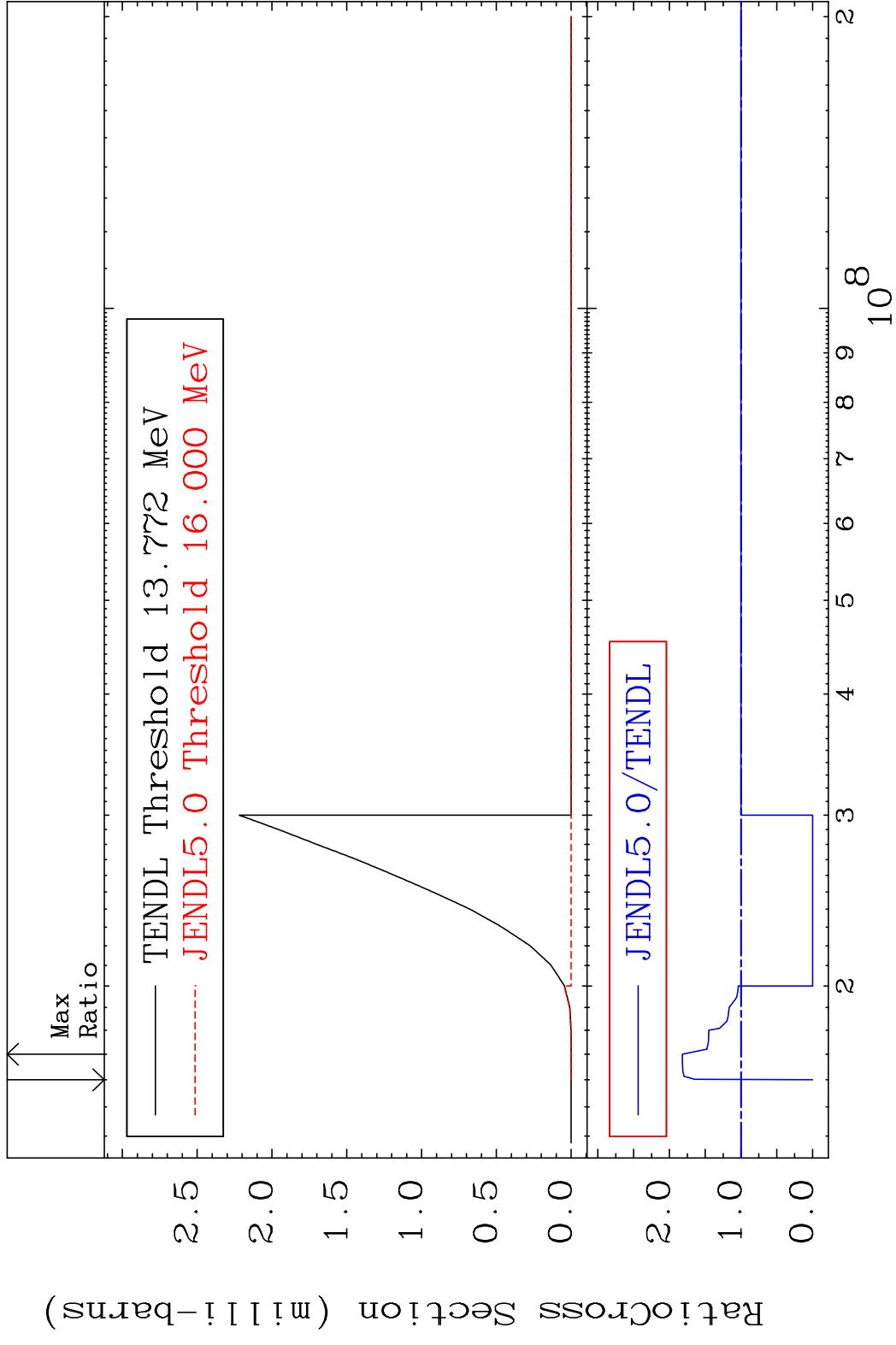
44-Ru-99

MAT 4434 Dpa disappearance (mt102 -120) 44-Ru-99
 Cross Section -100.0 To 9999. %

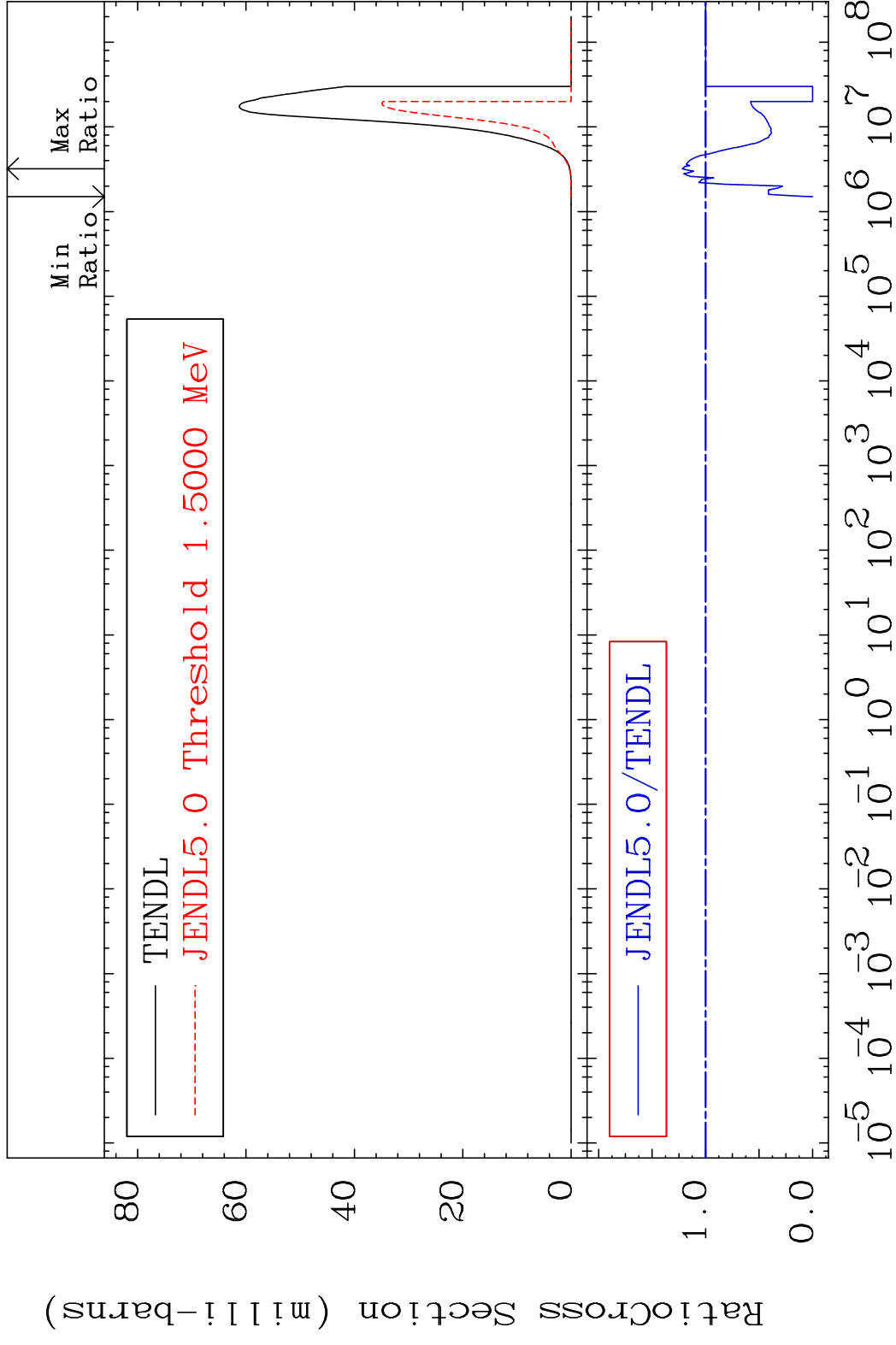




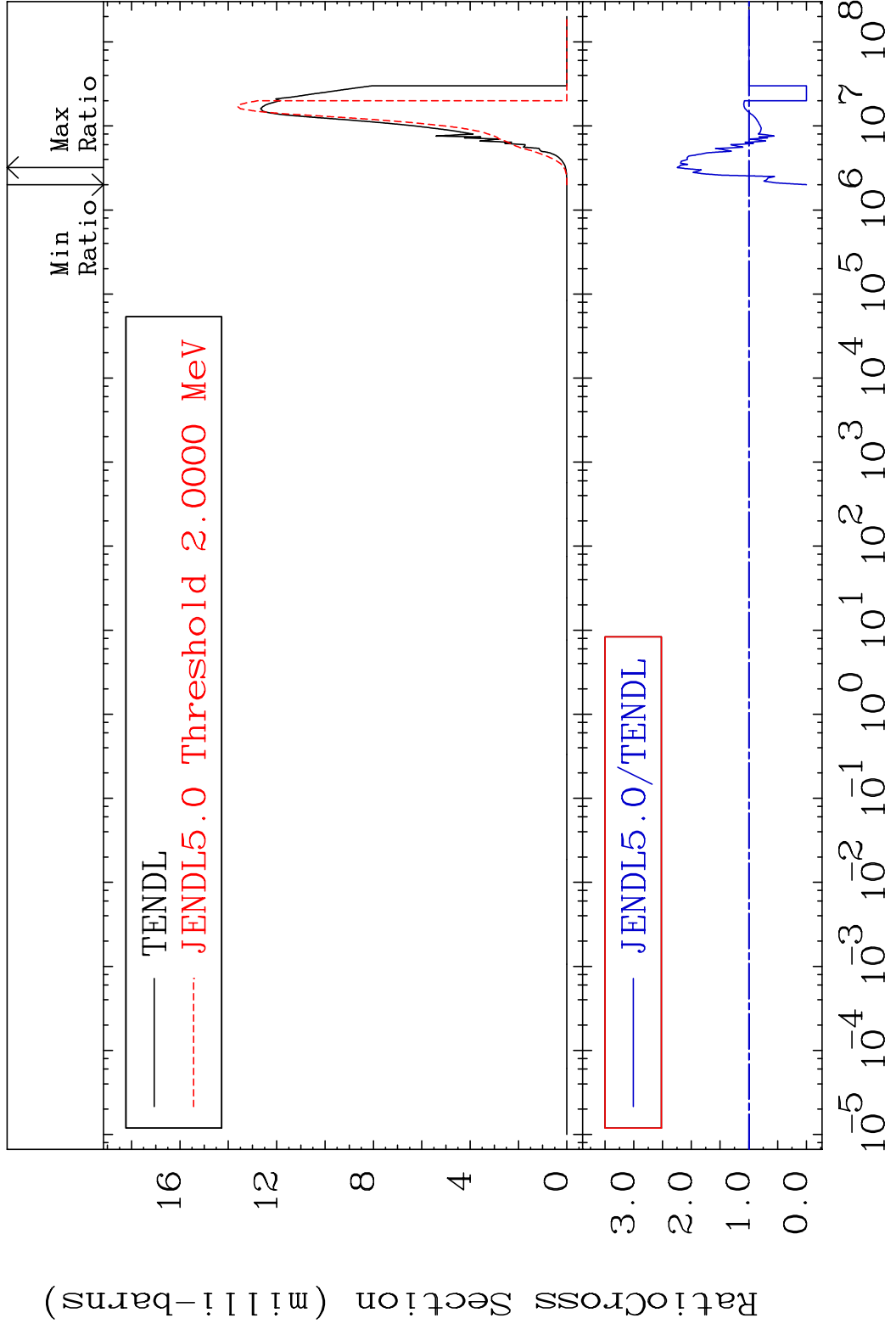
MAT 4434 (n, n') d:43-Tc-97m1 44-Ru-99
 Radionuclide Production Cross Section 180.01 dth 81.95 %



MAT 4434 (n, p) : 43-Tc-99g 44-Ru-99
 Radionuclide Production Cross Section Ratio 21.73 %



MAT 4434 (n,p):43-Tc-99m2 44-Ru-99
 Radionuclide Production Cross Section 180.0 mb 124.6 %



MAT 4434 (n, t): 43-Tc-97g 44-Ru-99
 Radionuclide Production Cross Section 4484. %

