

Program Complot
(Version 2021-1)

by

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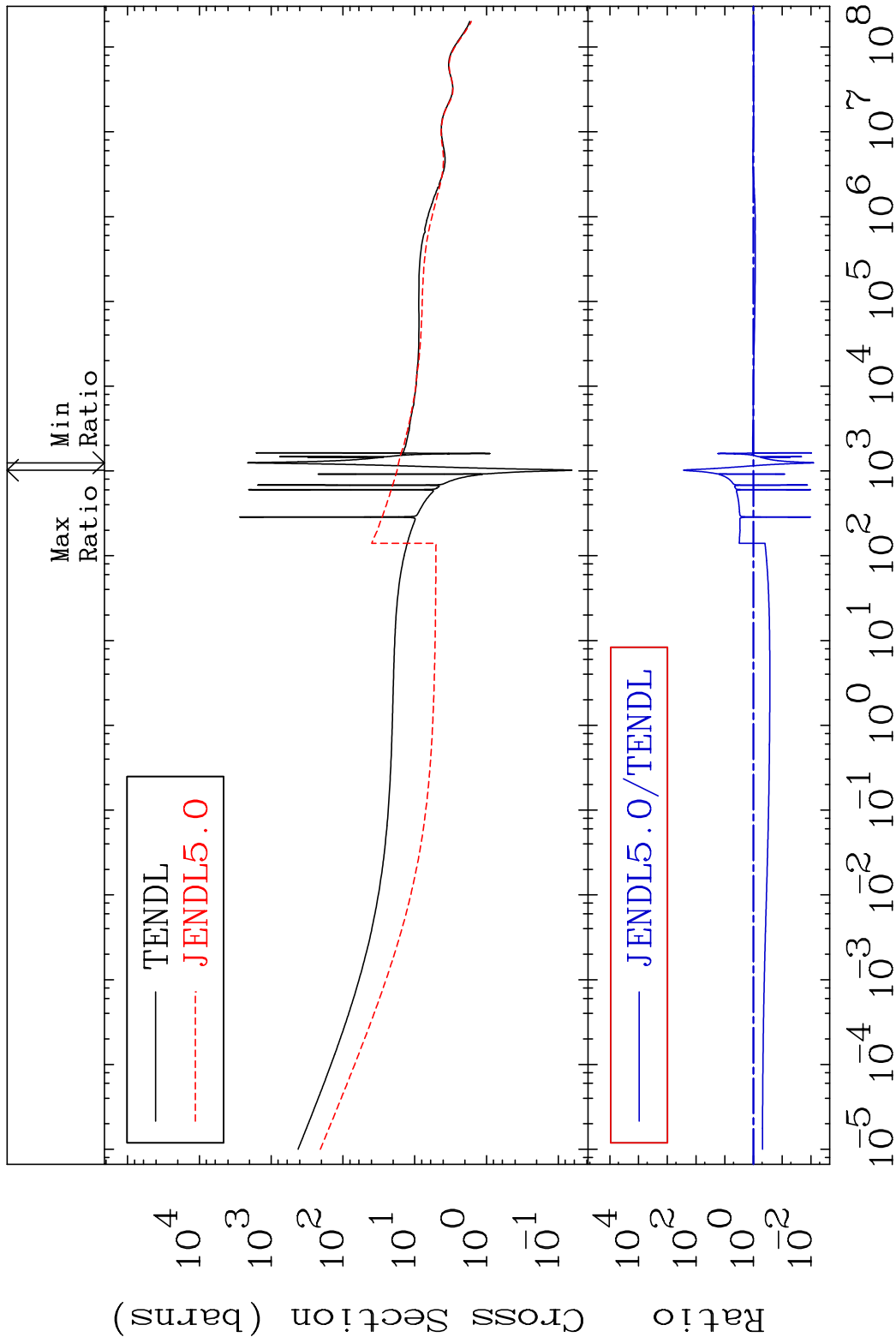
Press Mouse Button to Start

MAT 4431

Total

44-Ru-98

Cross Section -99.21 To 9999. %



1

Incident Energy (eV)

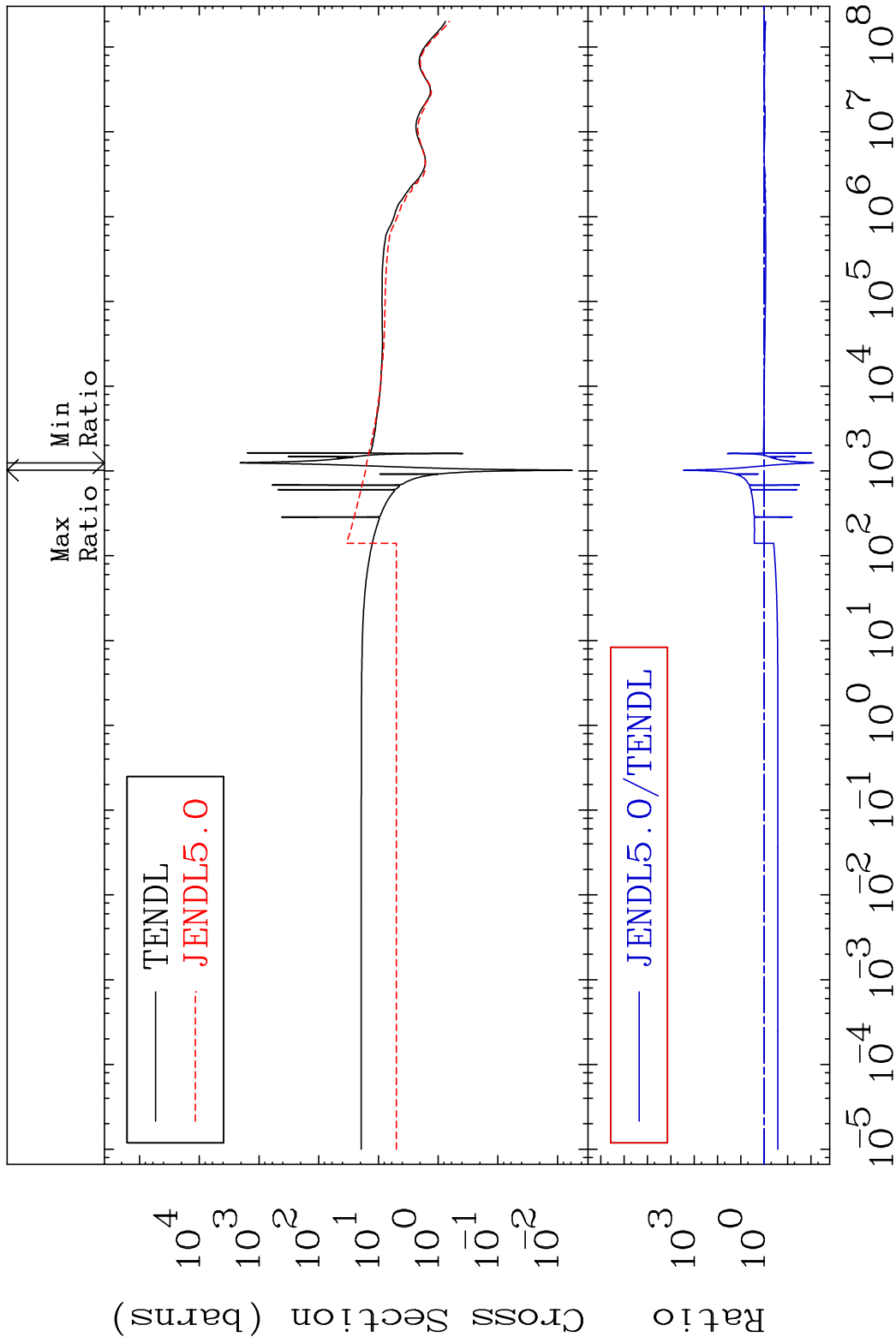
44-Ru-98

MAT 4431

Elastic

44-Ru-98

Cross Section -99.25 To 9999. %



2

Incident Energy (eV)

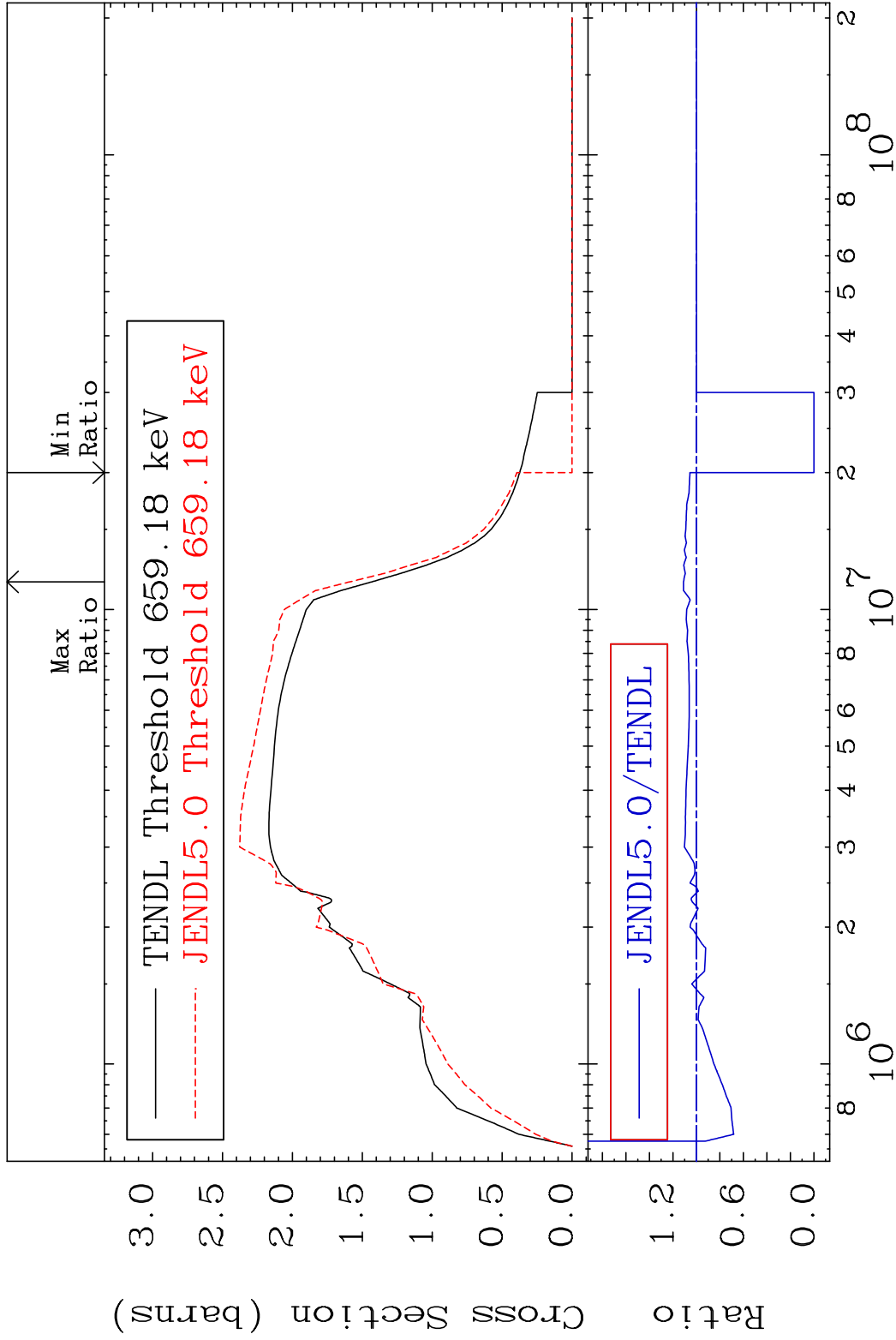
44-Ru-98

MAT 4431

44-Ru-98

Inelastic

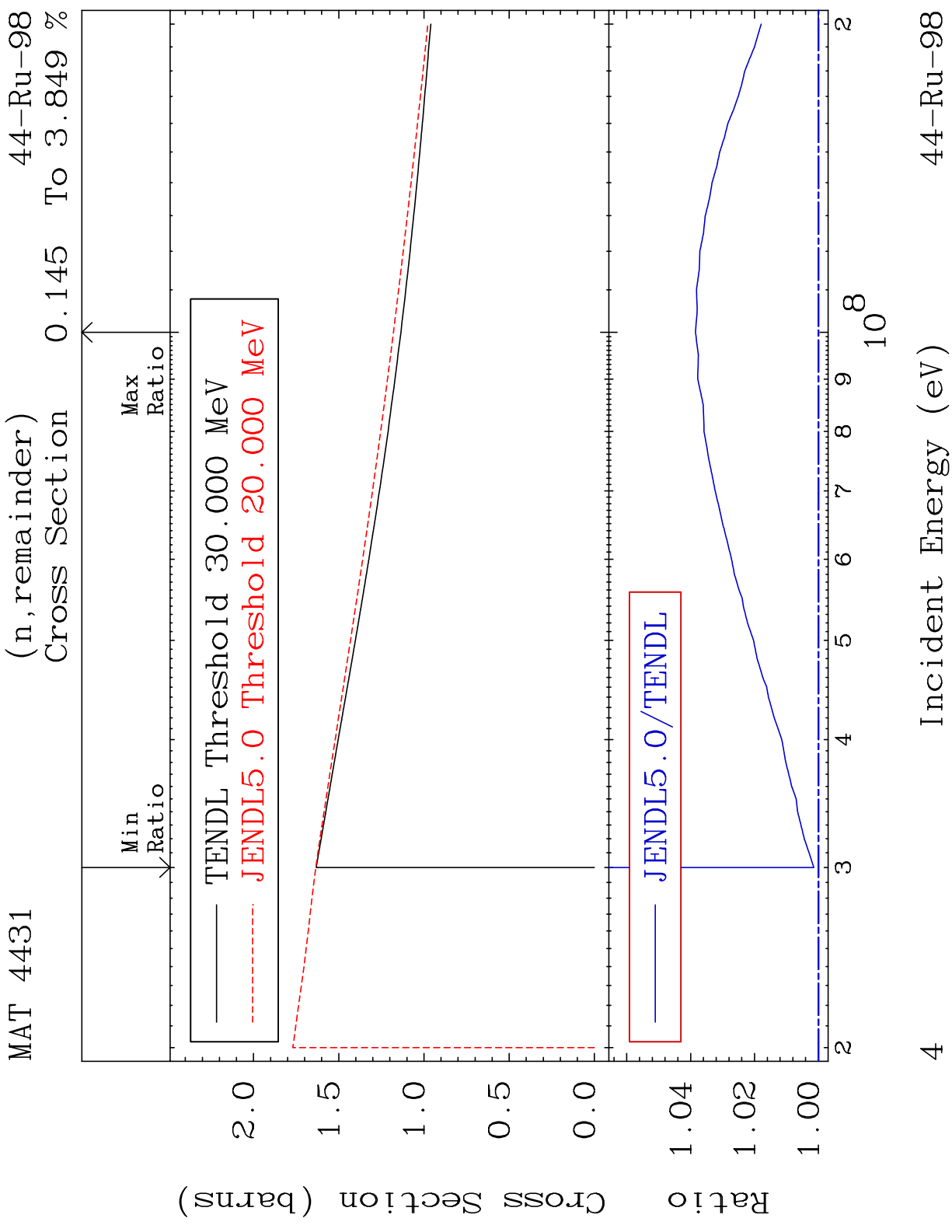
Cross Section -100.0 To 11.04 %



3

Incident Energy (eV)

44-Ru-98

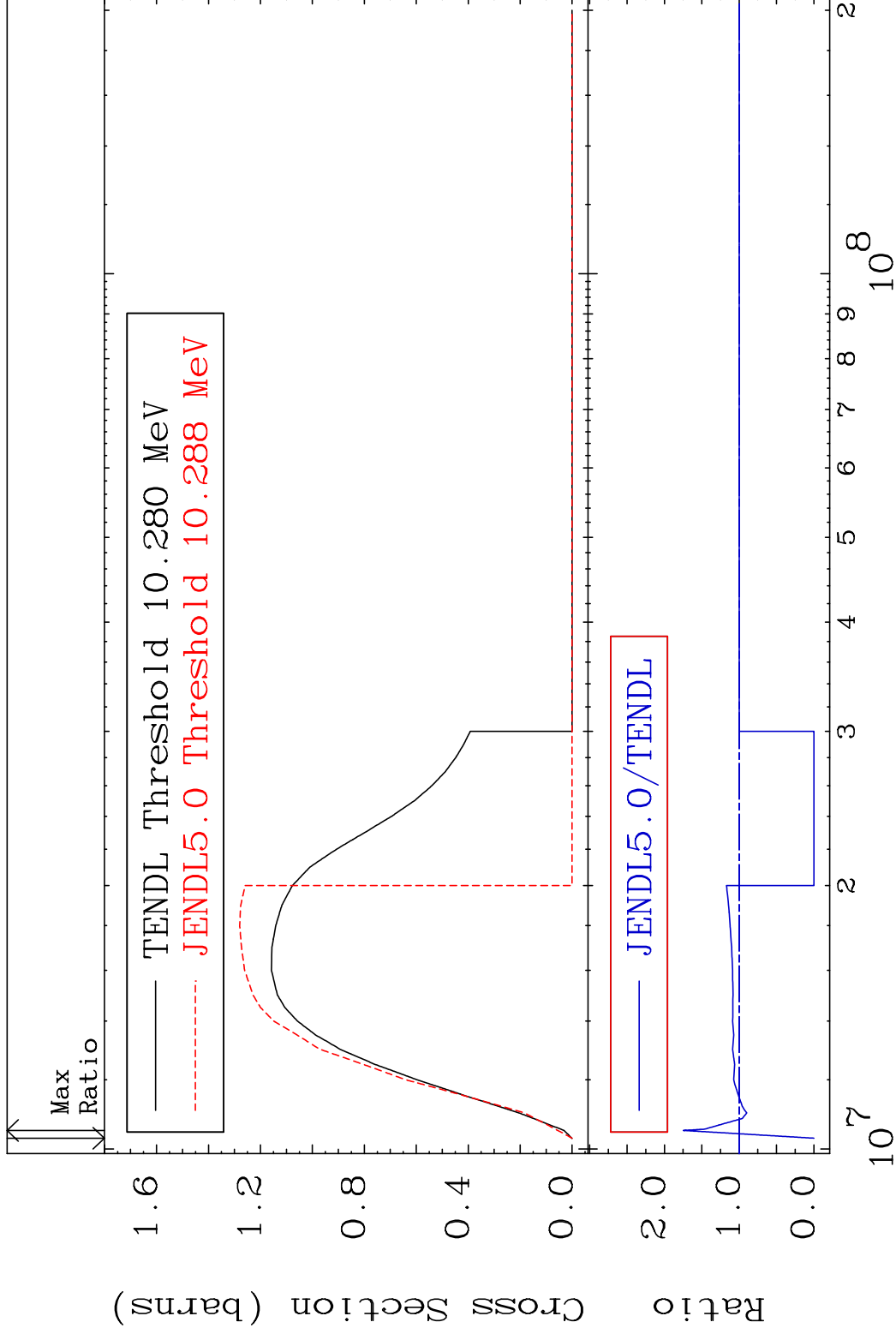


MAT 4431

(n,2n)

44-Ru-98

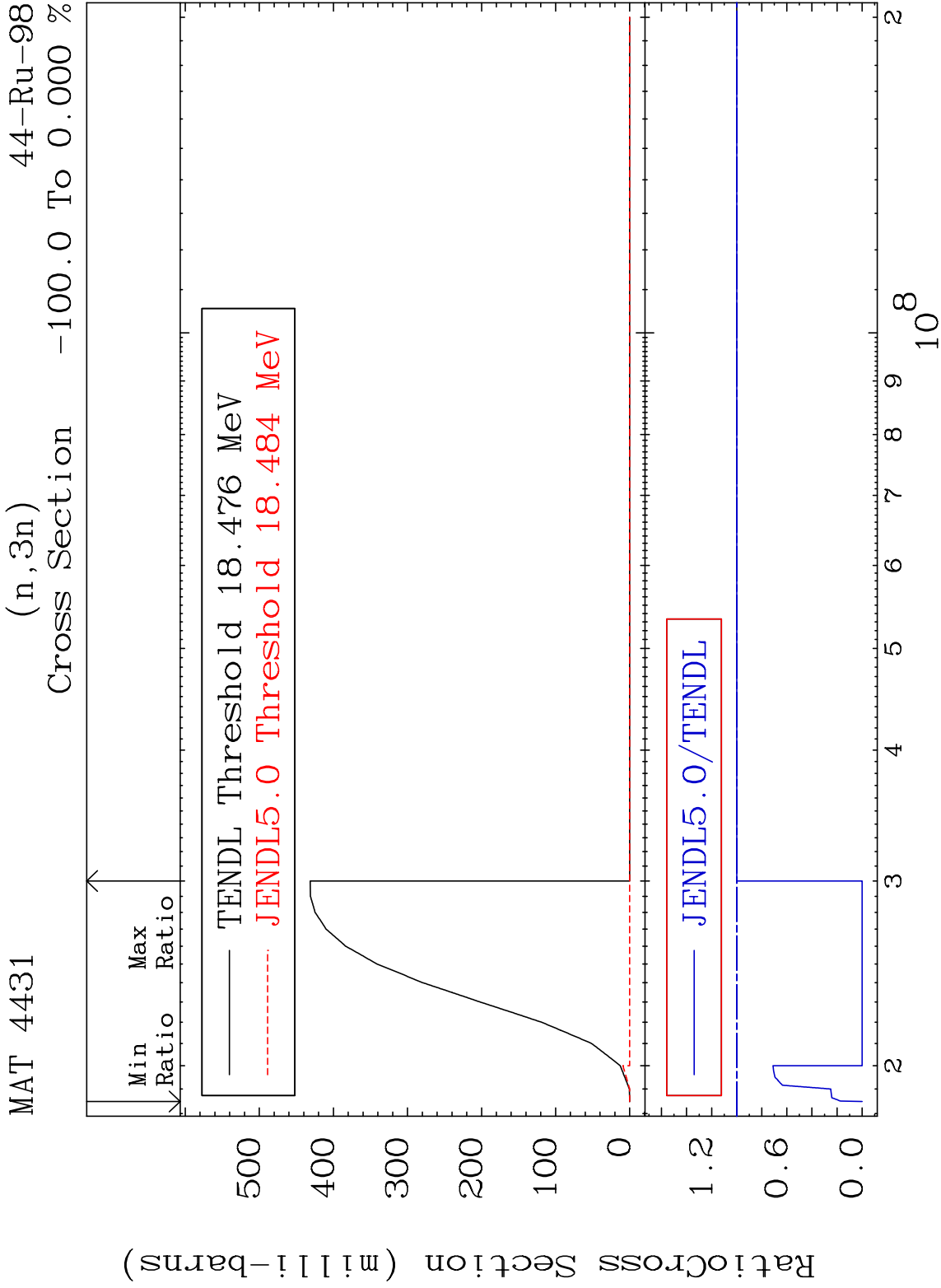
Cross Section -100.0 To 74.53 %

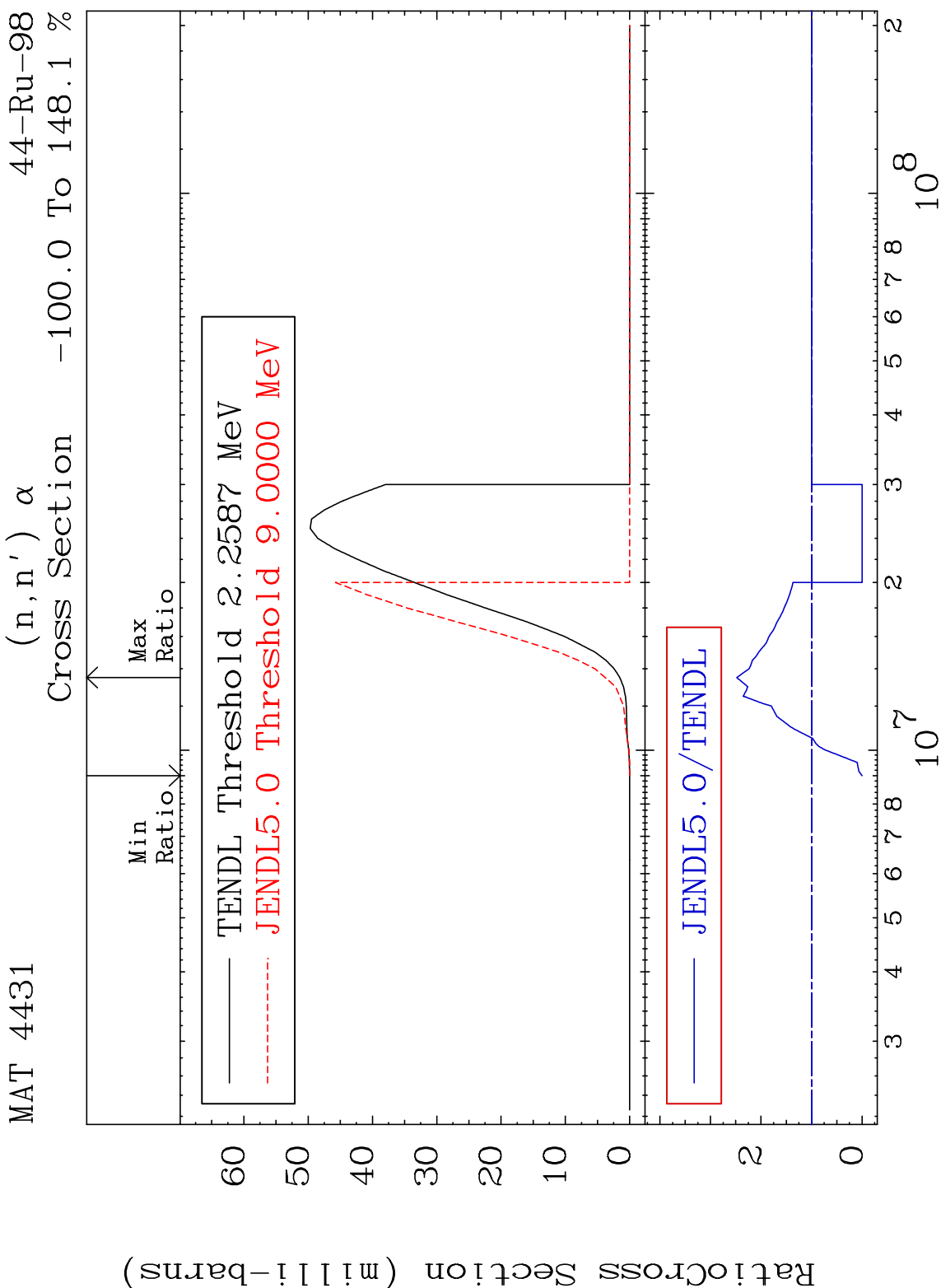


5

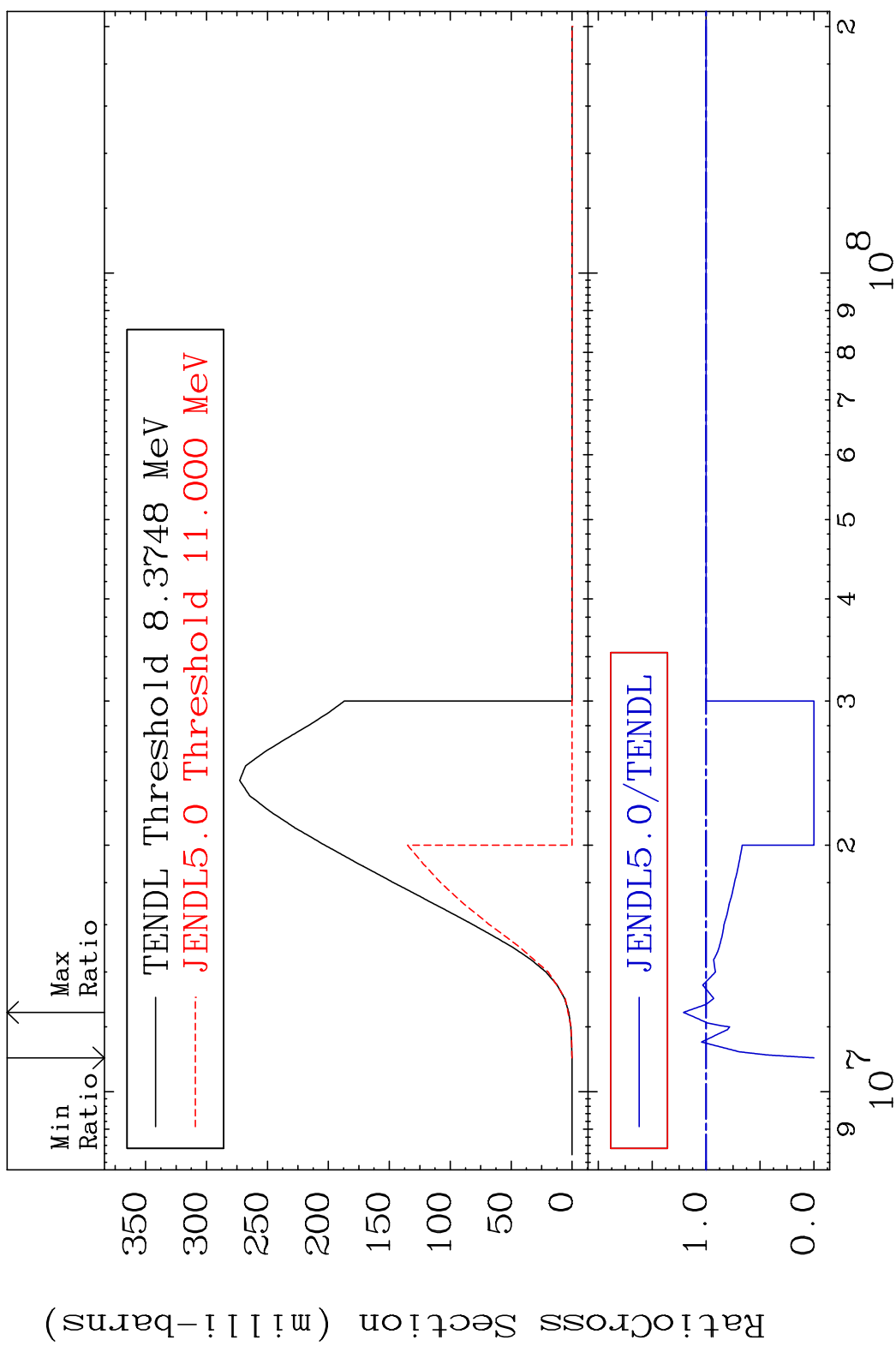
Incident Energy (eV)

44-Ru-98



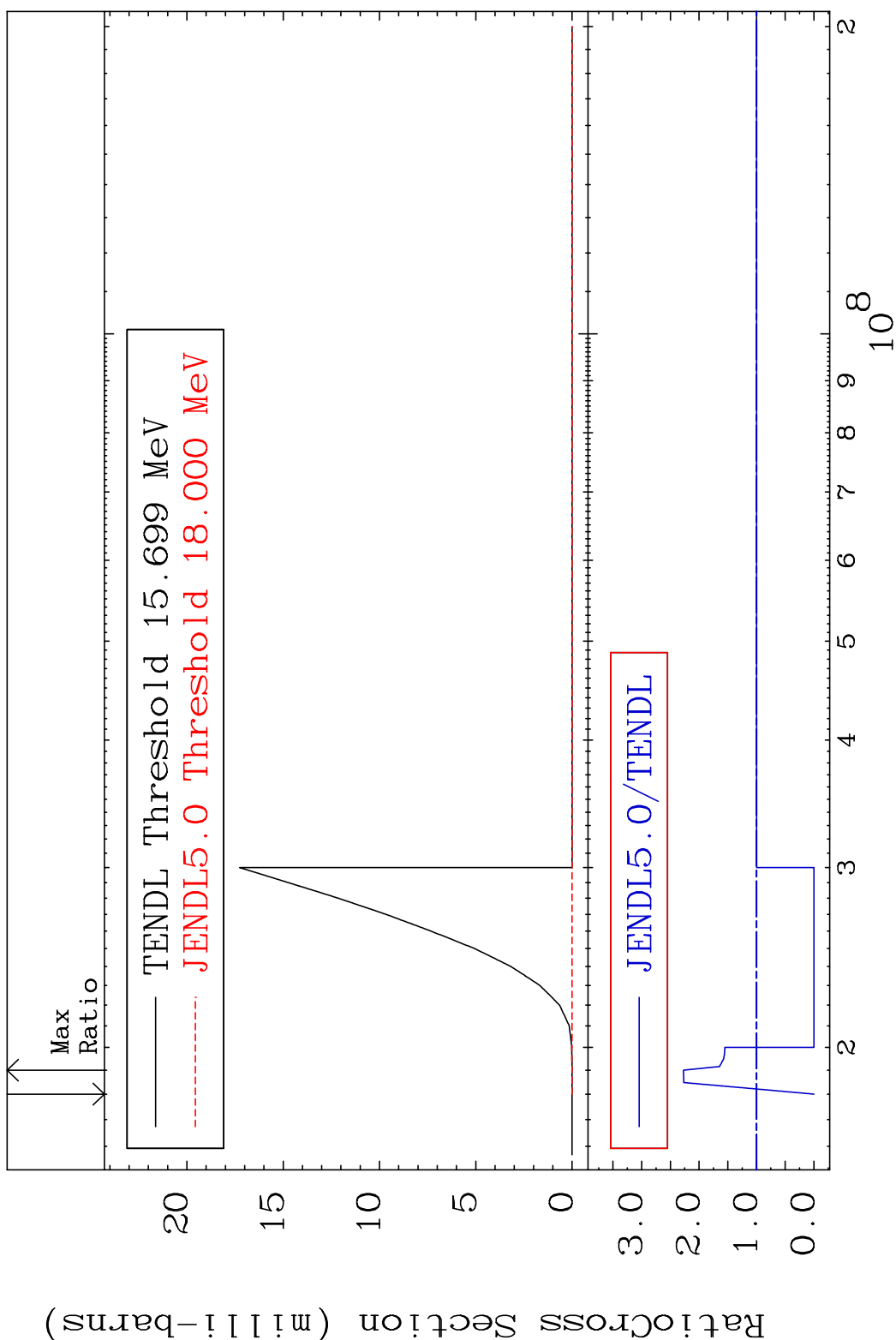


MAT 4431 (n, n') p 44-Ru-98
 Cross Section -100.0 To 20.98 %

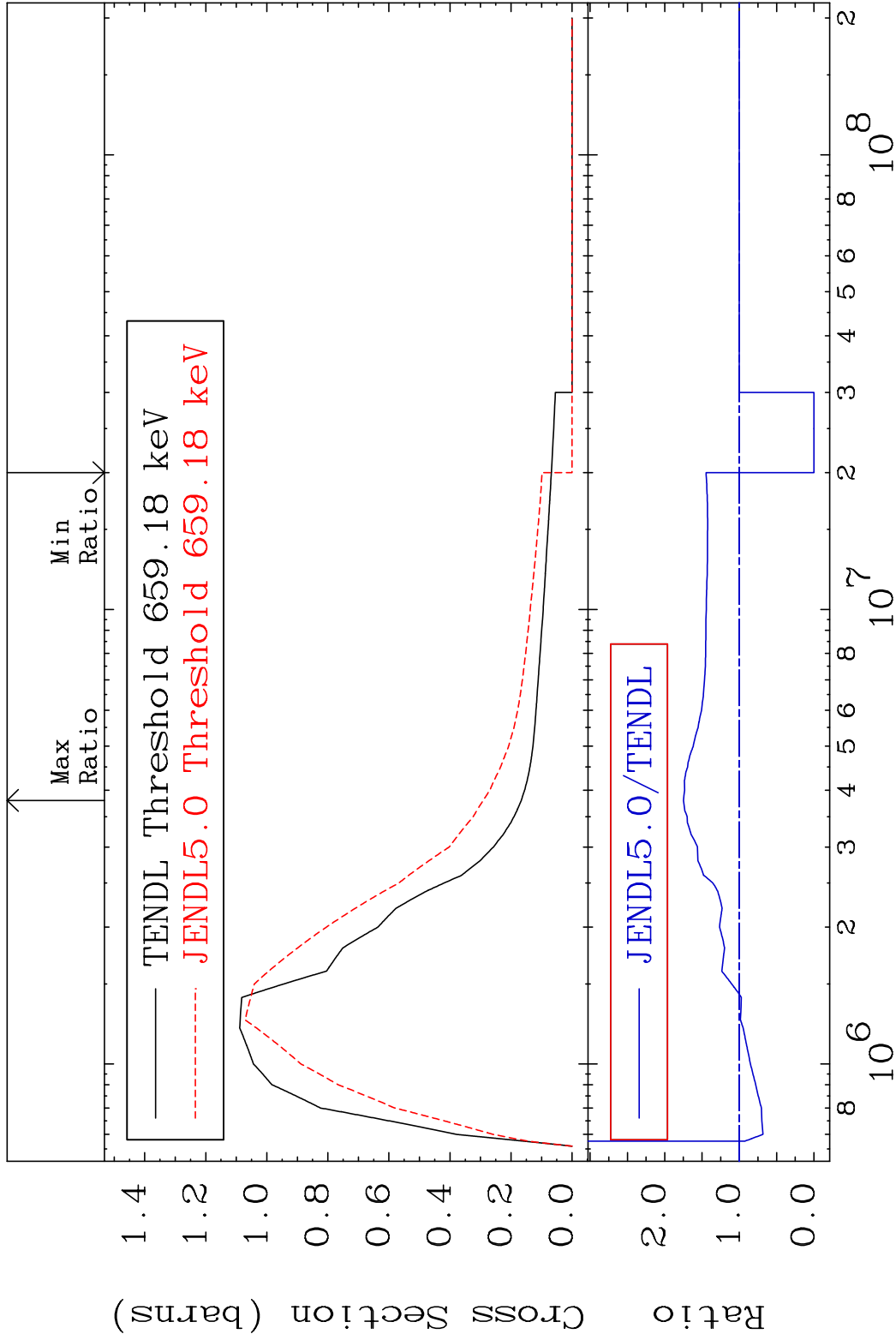


8 Incident Energy (eV) 44-Ru-98

MAT 4431 (n, n') d 44-Ru-98
 Cross Section -100.0 To 127.2 %

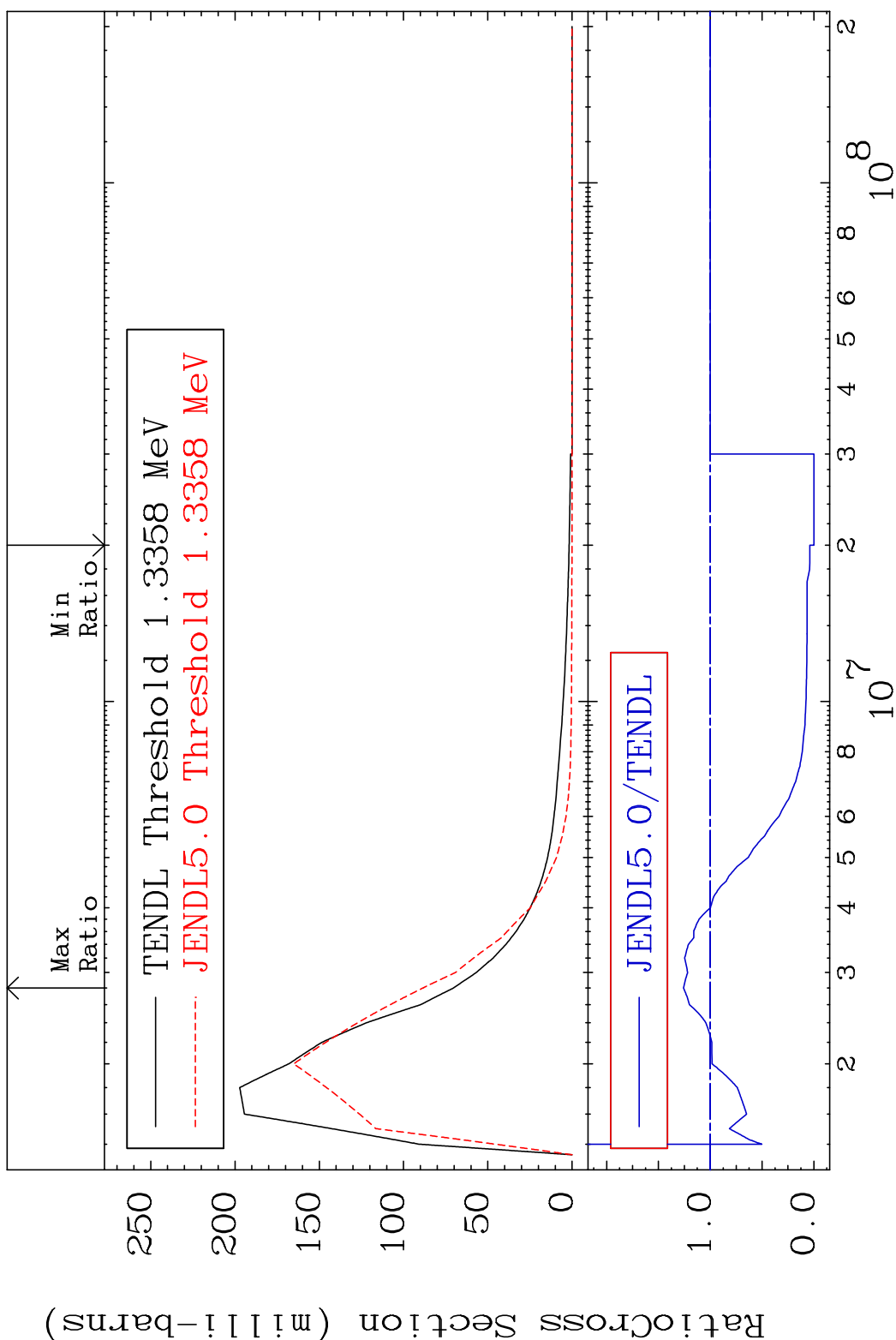


MAT 4431 MT= 51 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 74.89 %



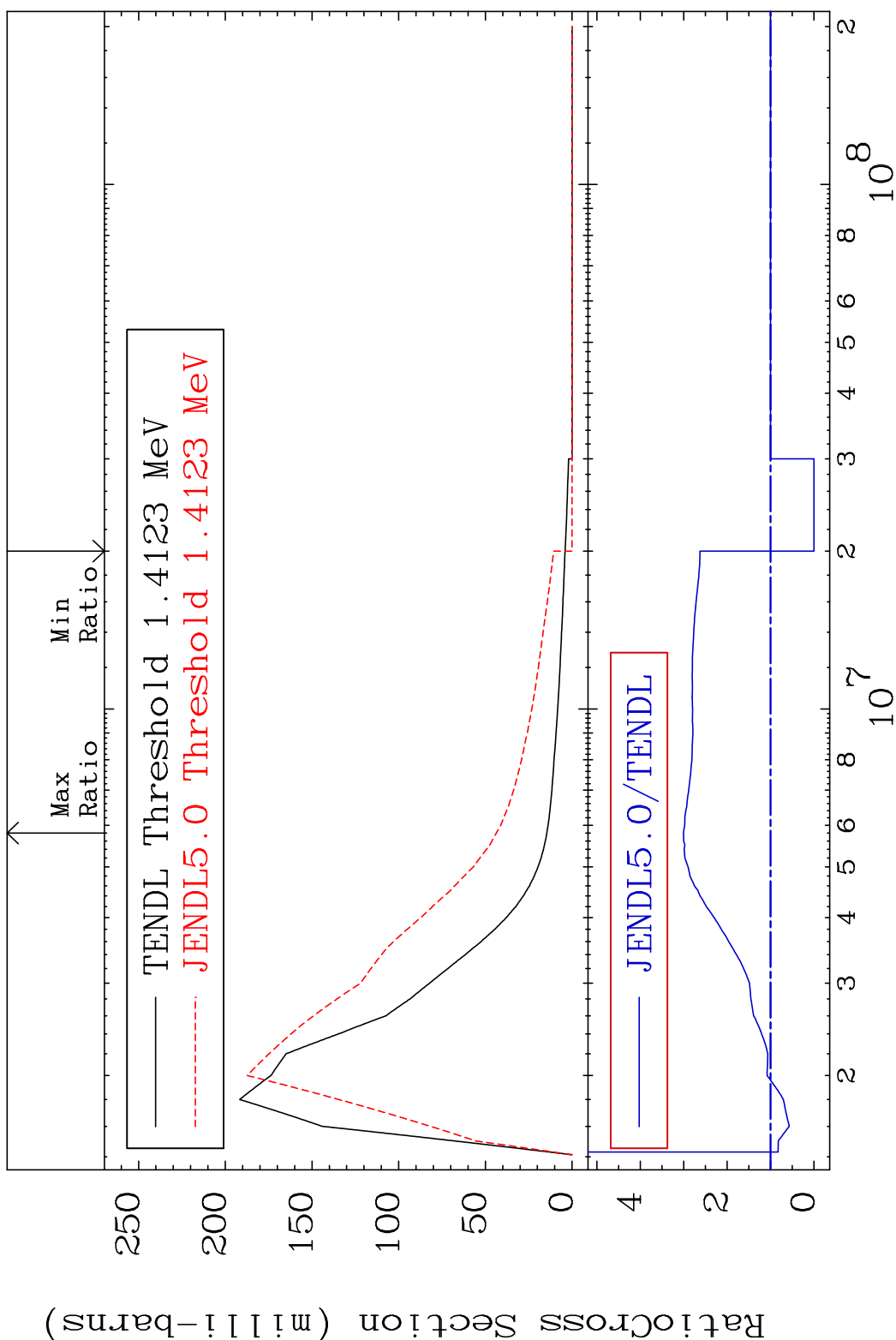
10 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 52 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 25.86 %



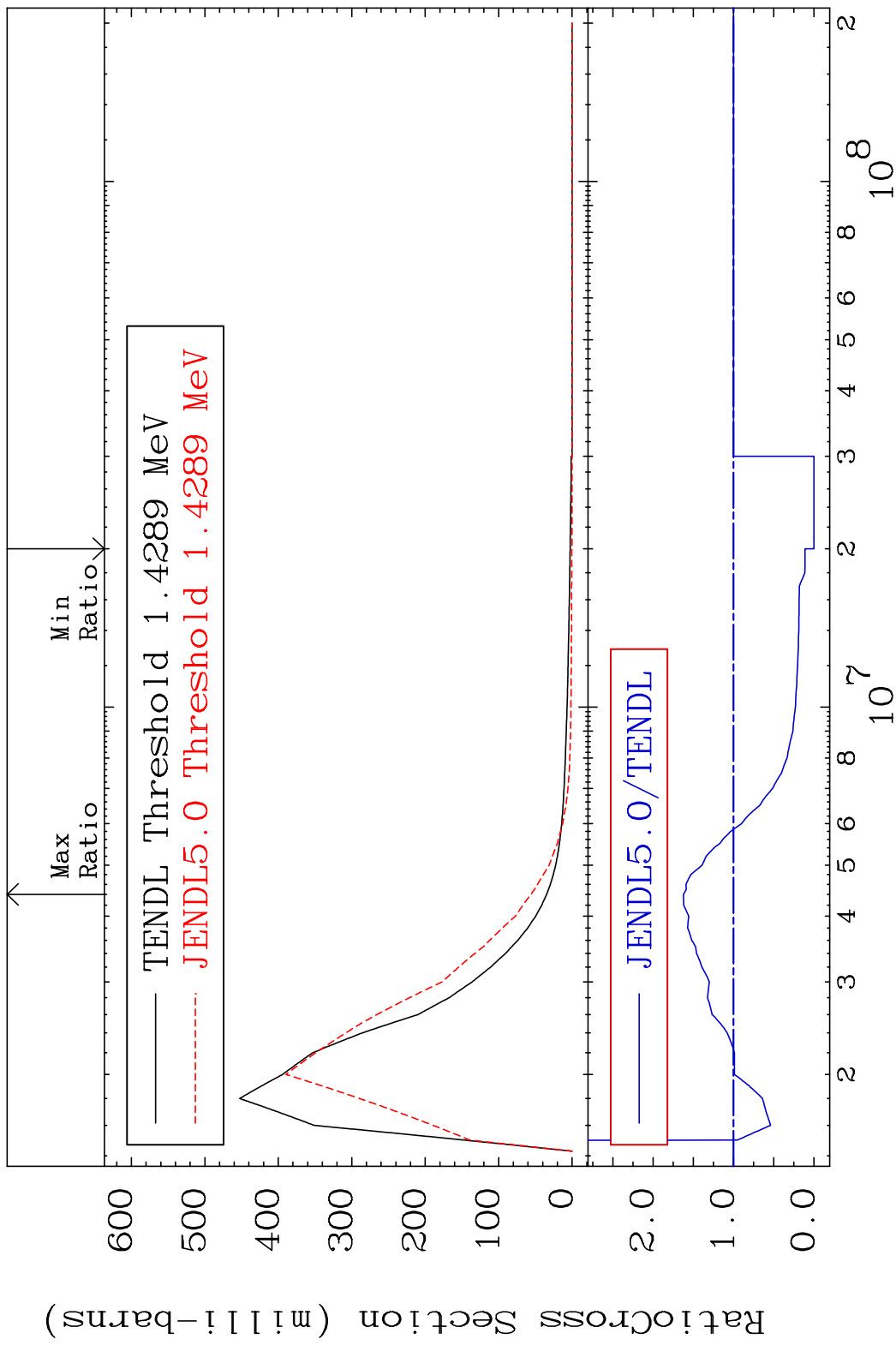
11 44-Ru-98

MAT 4431 MT= 53 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 200.5 %



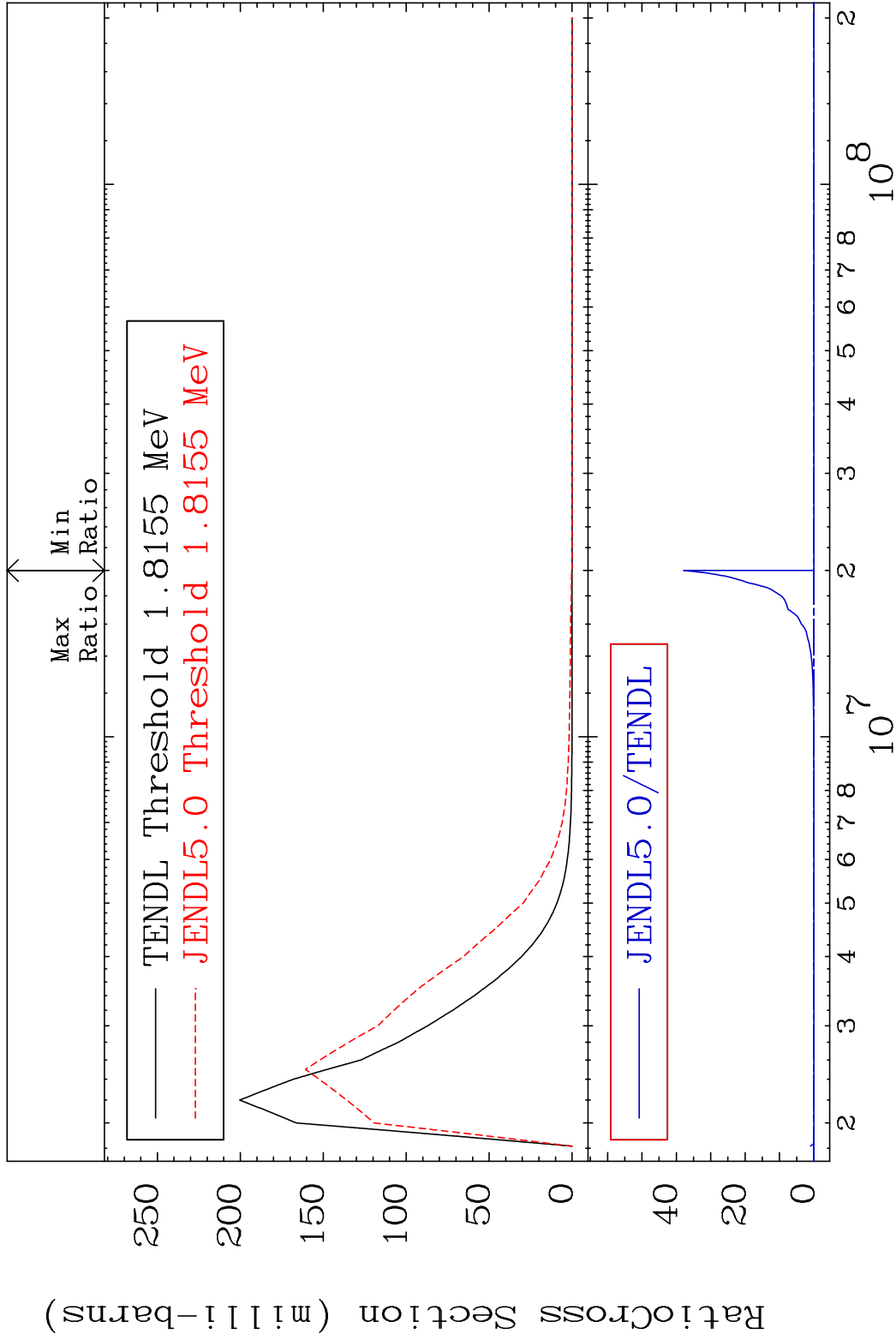
12 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 54 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 62.20 %



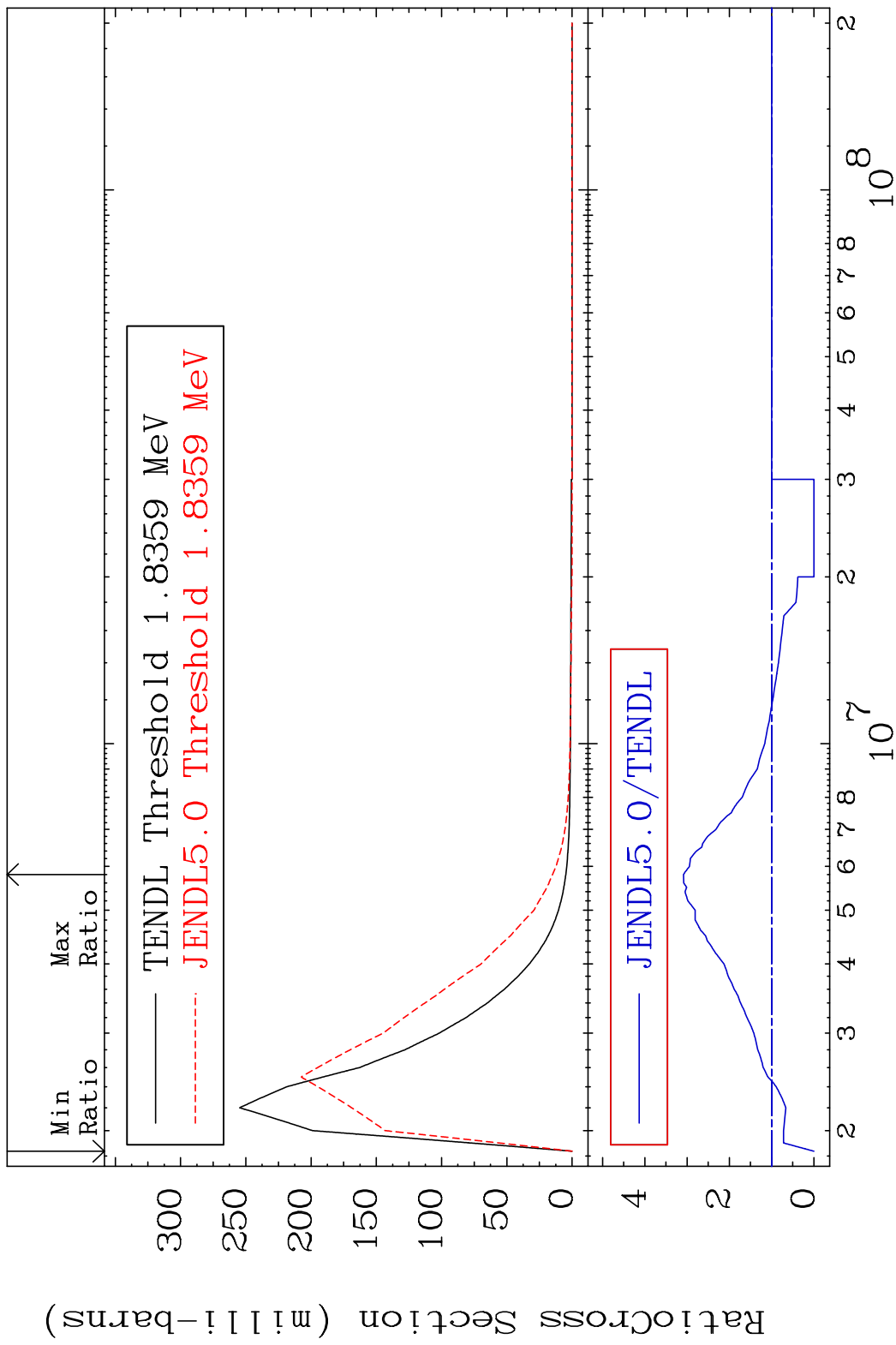
13 44-Ru-98

MAT 4431 MT= 55 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 9999. %



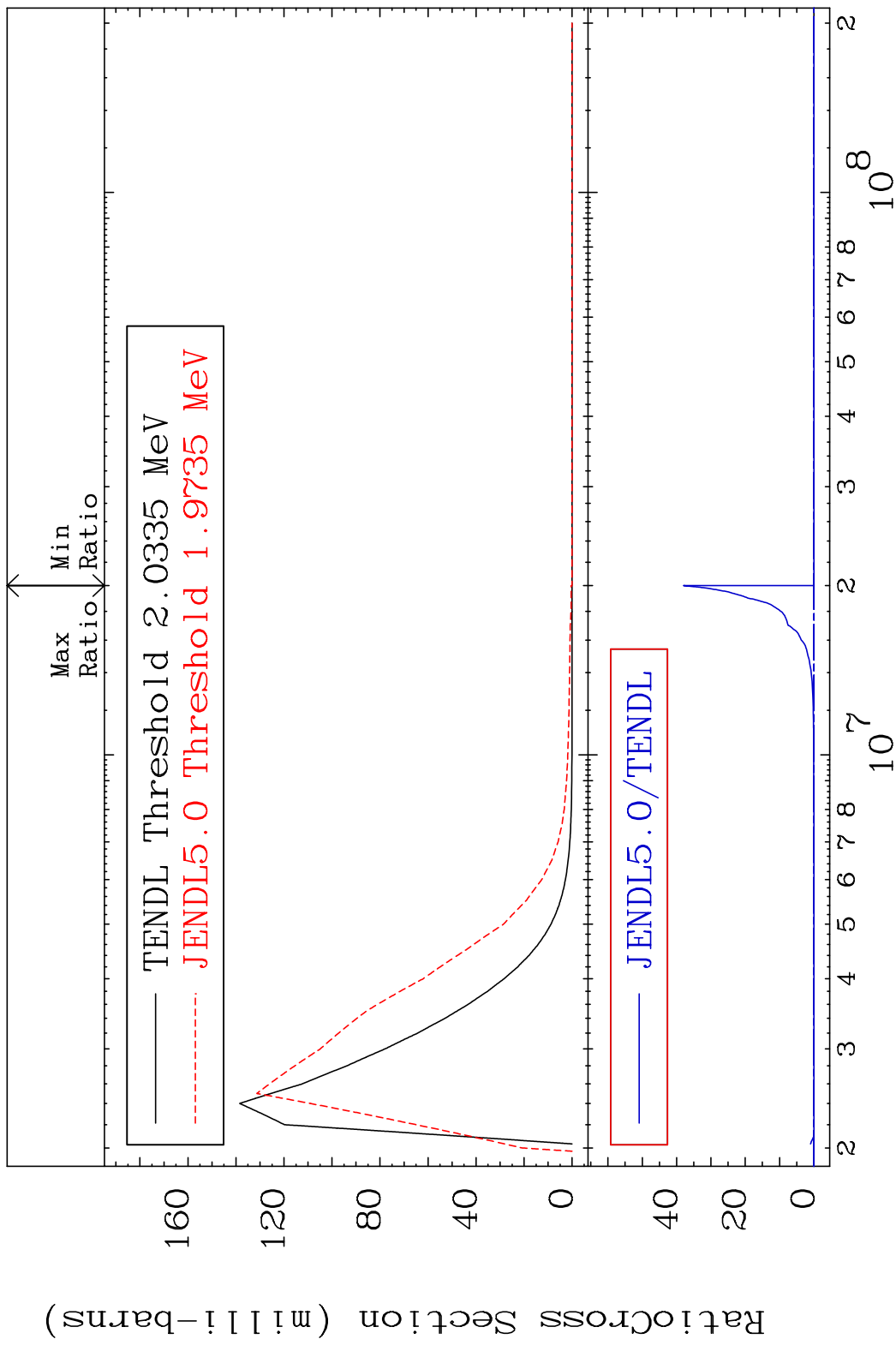
14 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 56 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 208.6 %



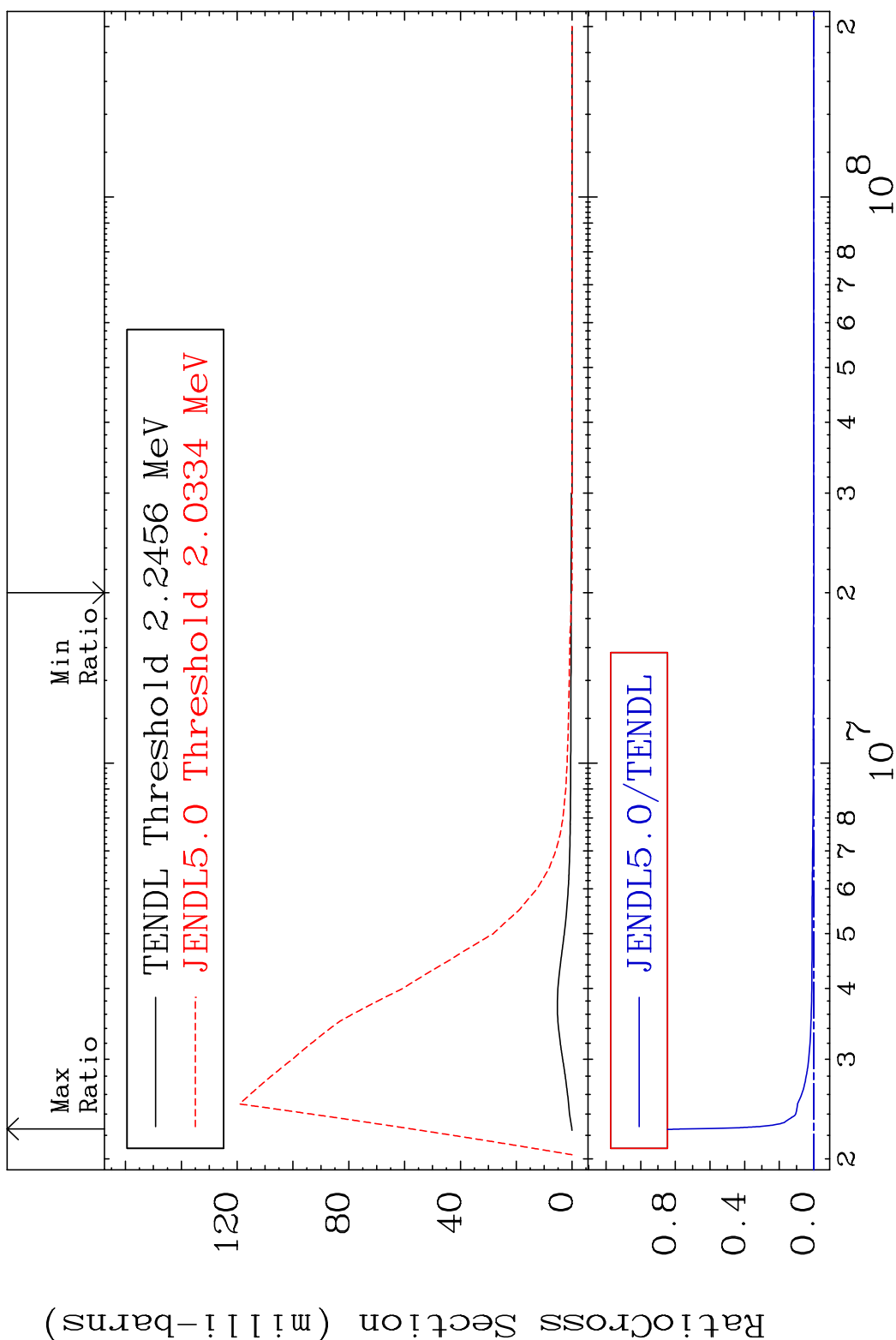
15 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 57 (n, n') Level 44-Ru-98
Cross Section -100.0 To 9999. %



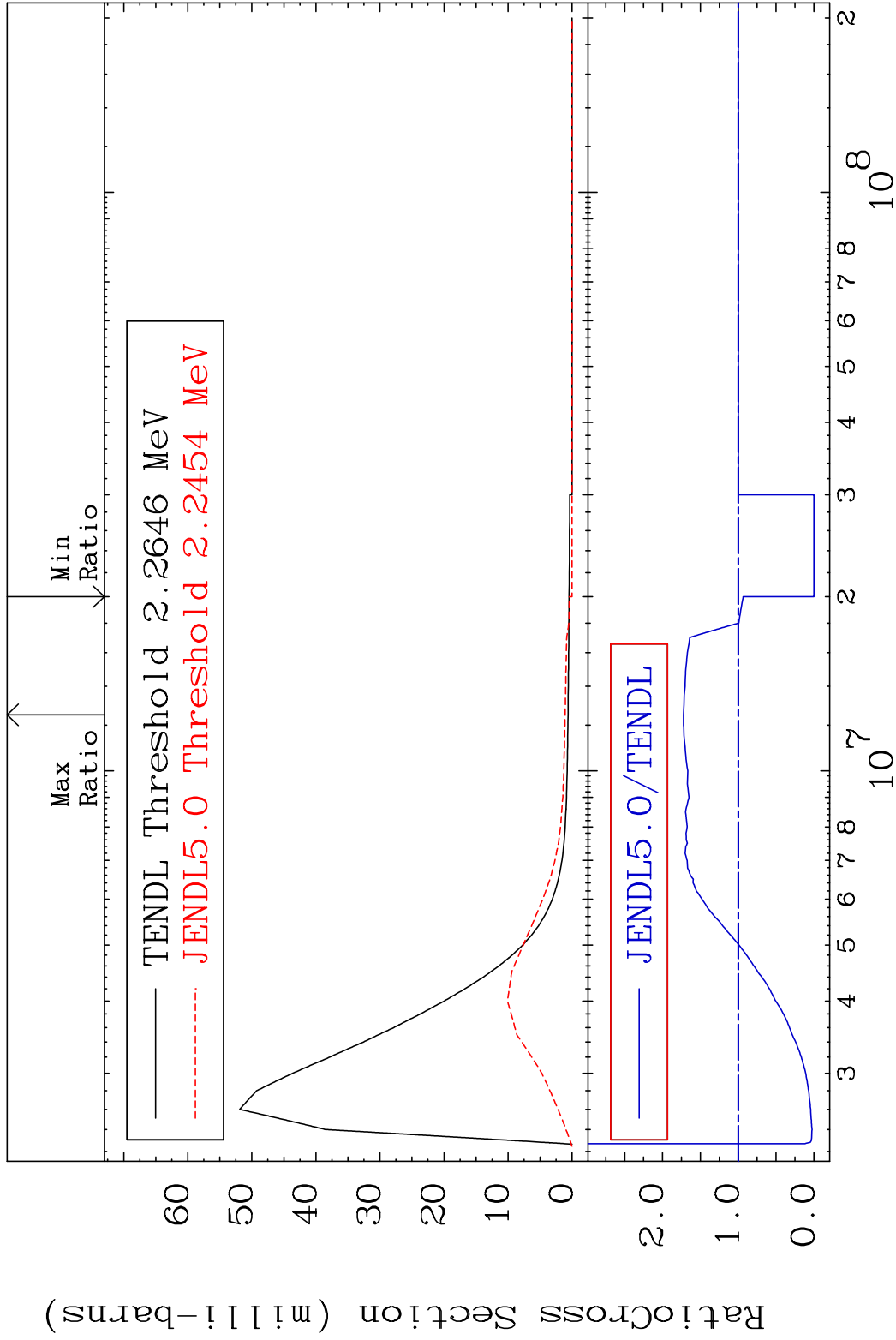
16 44-Ru-98

MAT 4431 MT= 58 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 9999. %



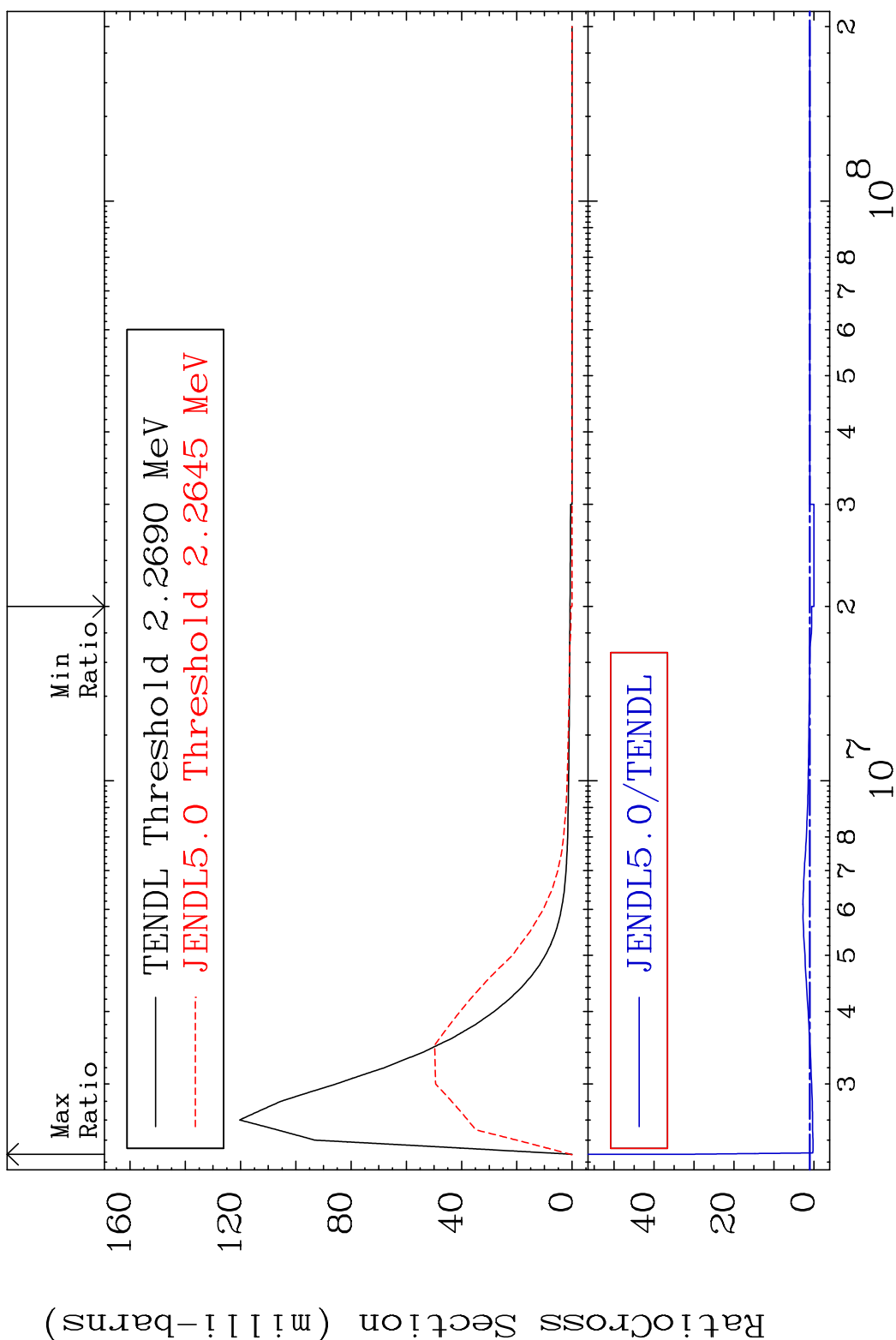
17 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 59 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 72.34 %



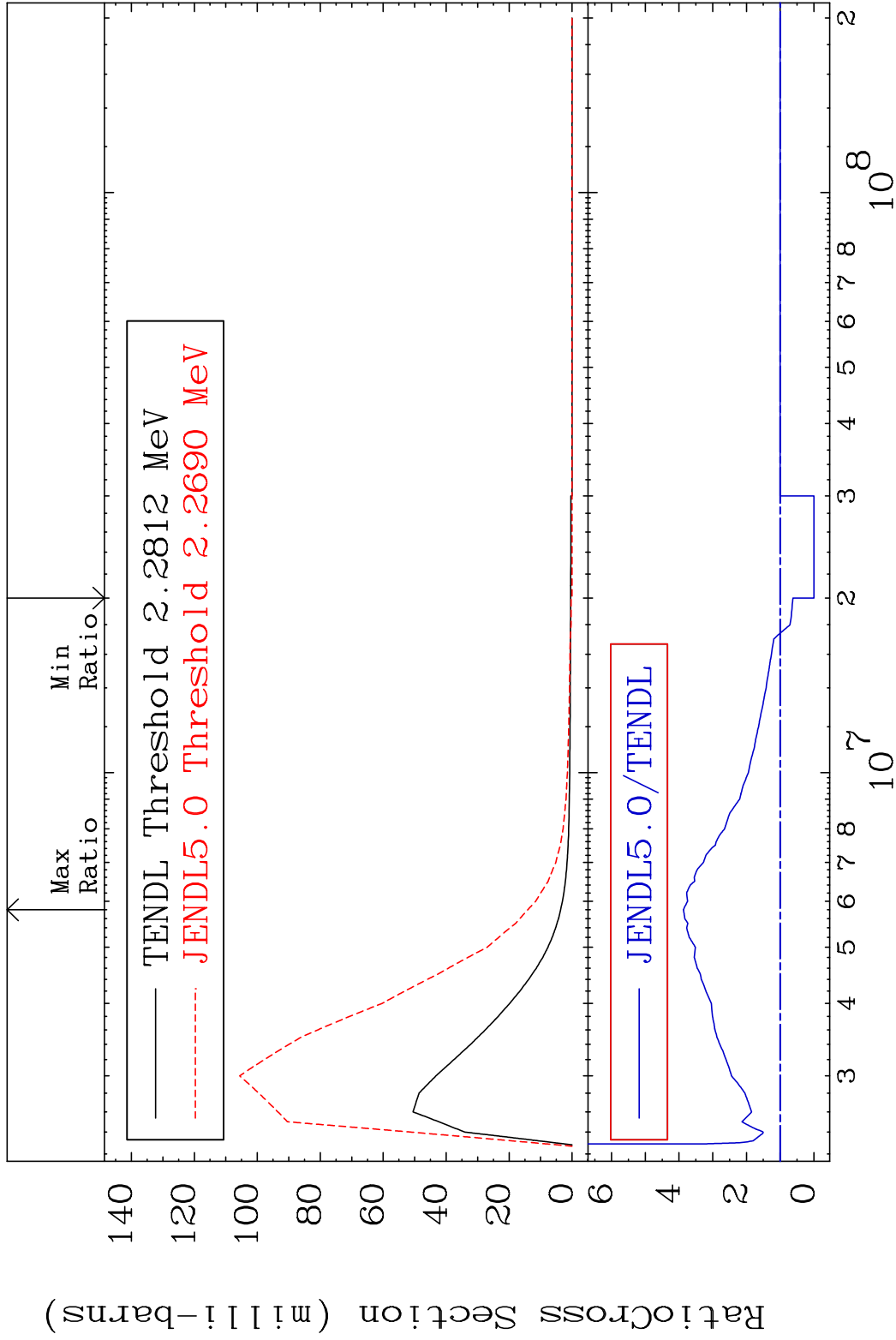
18 44-Ru-98

MAT 4431 MT= 60 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 3164. %



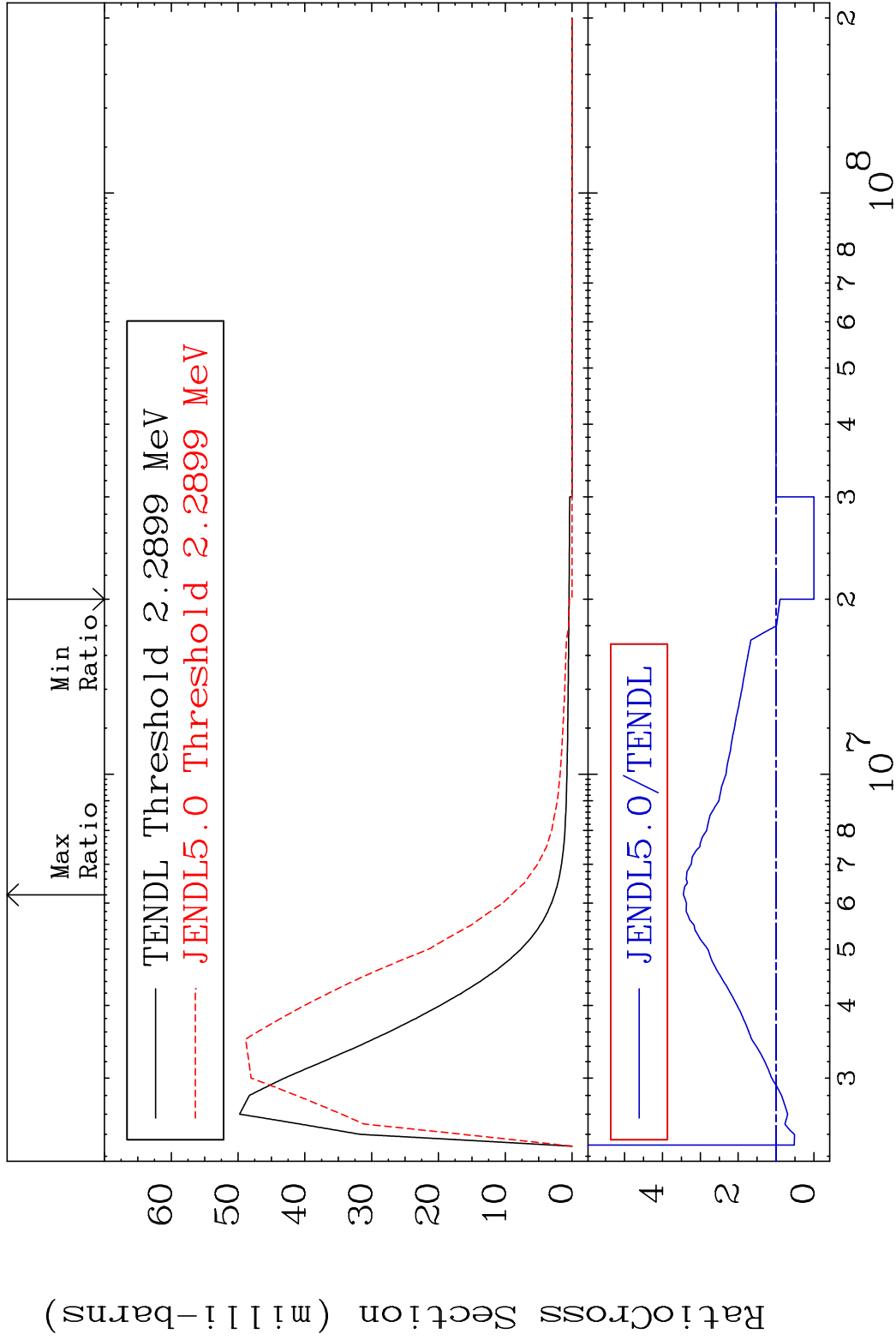
19 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 61 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 286.9 %



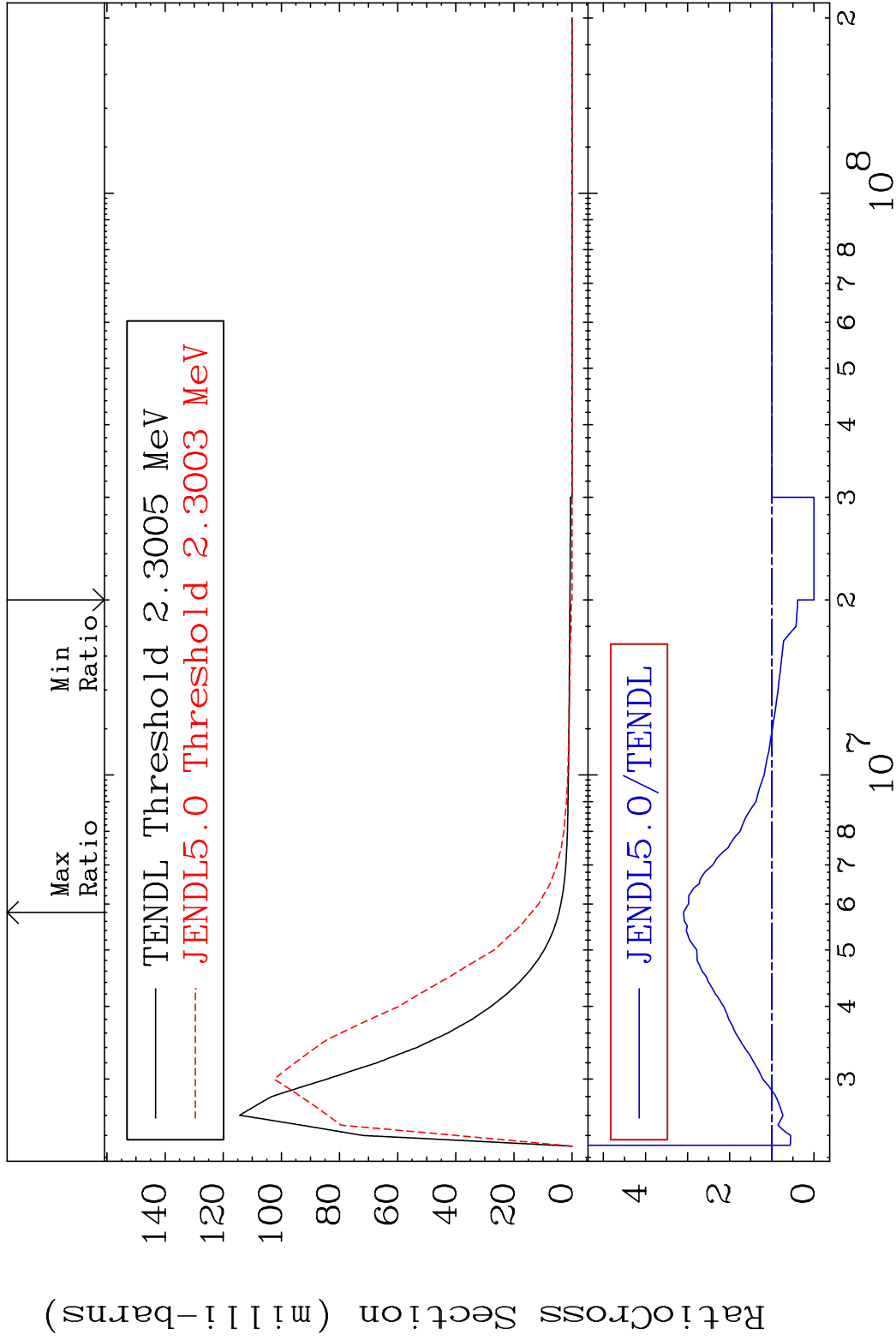
20 Incident Energy (eV) 44-Ru-98

MAT 4431 MT= 62 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 244.6 %



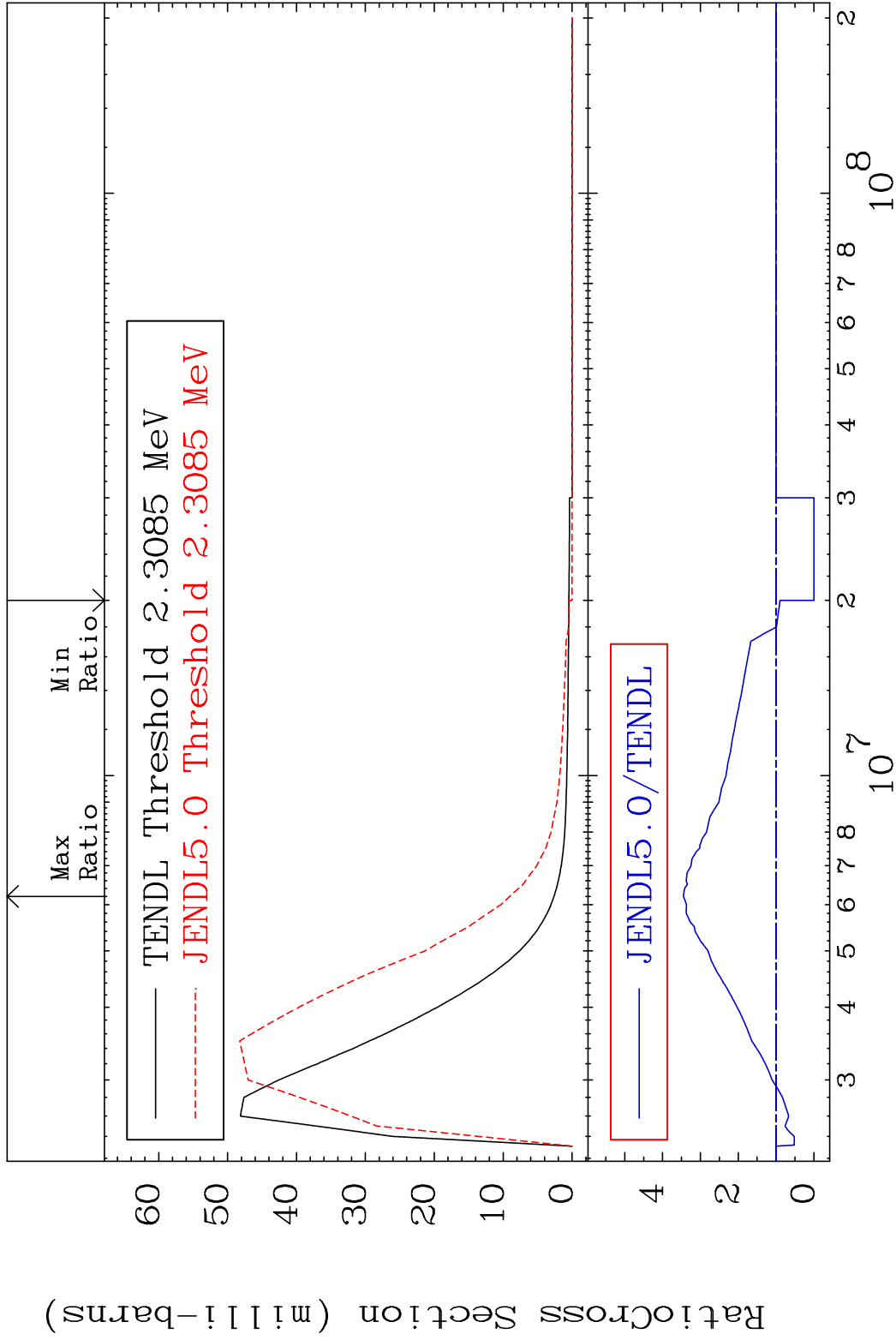
21 44-Ru-98

MAT 4431 MT= 63 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 209.9 %

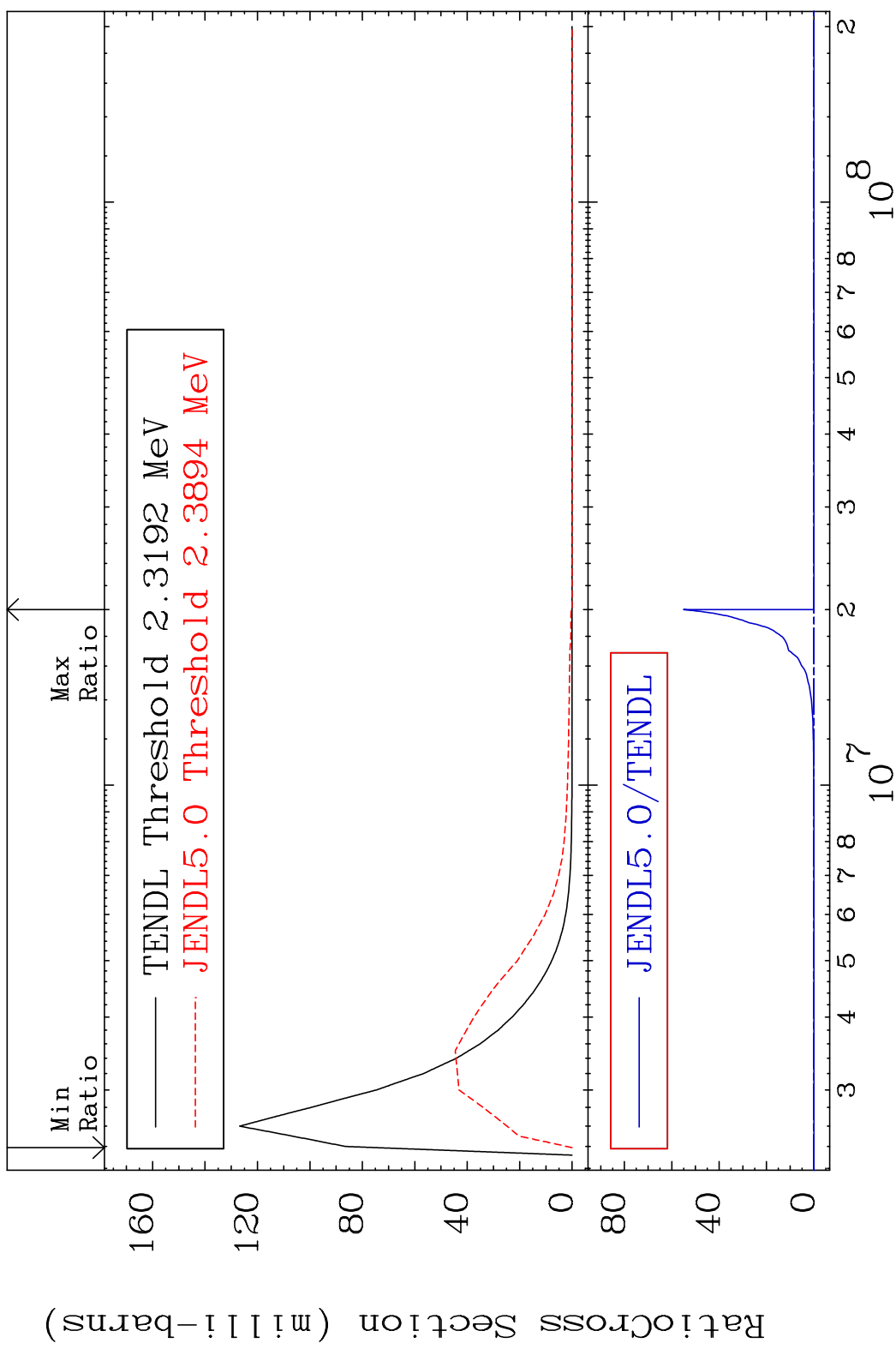


22 Incident Energy (eV) 44-Ru-98

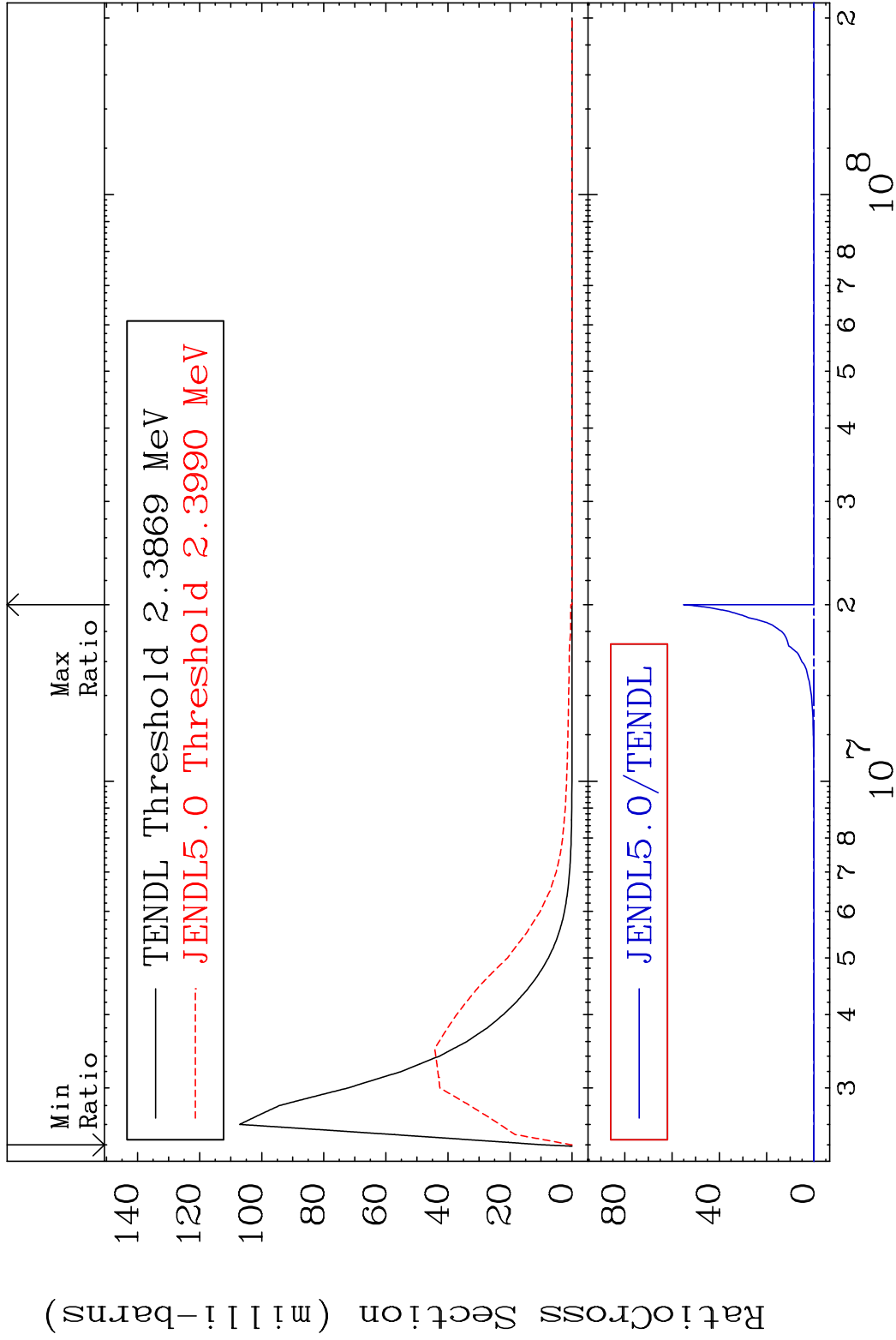
MAT 4431 MT= 64 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 244.8 %



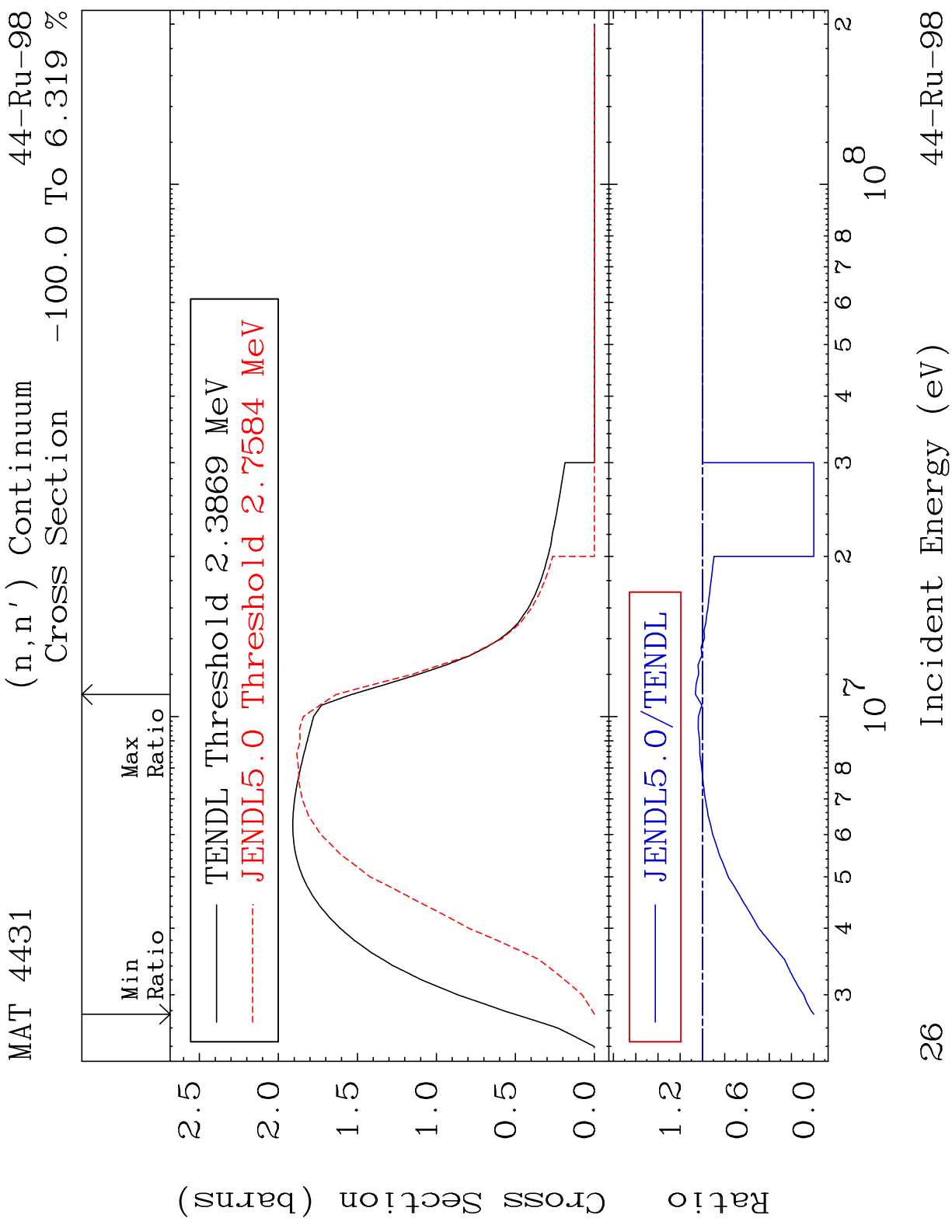
MAT 4431 MT= 65 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 9999. %



MAT 4431 MT= 66 (n, n') Level 44-Ru-98
 Cross Section -100.0 To 9999. %



25 Incident Energy (eV) 44-Ru-98

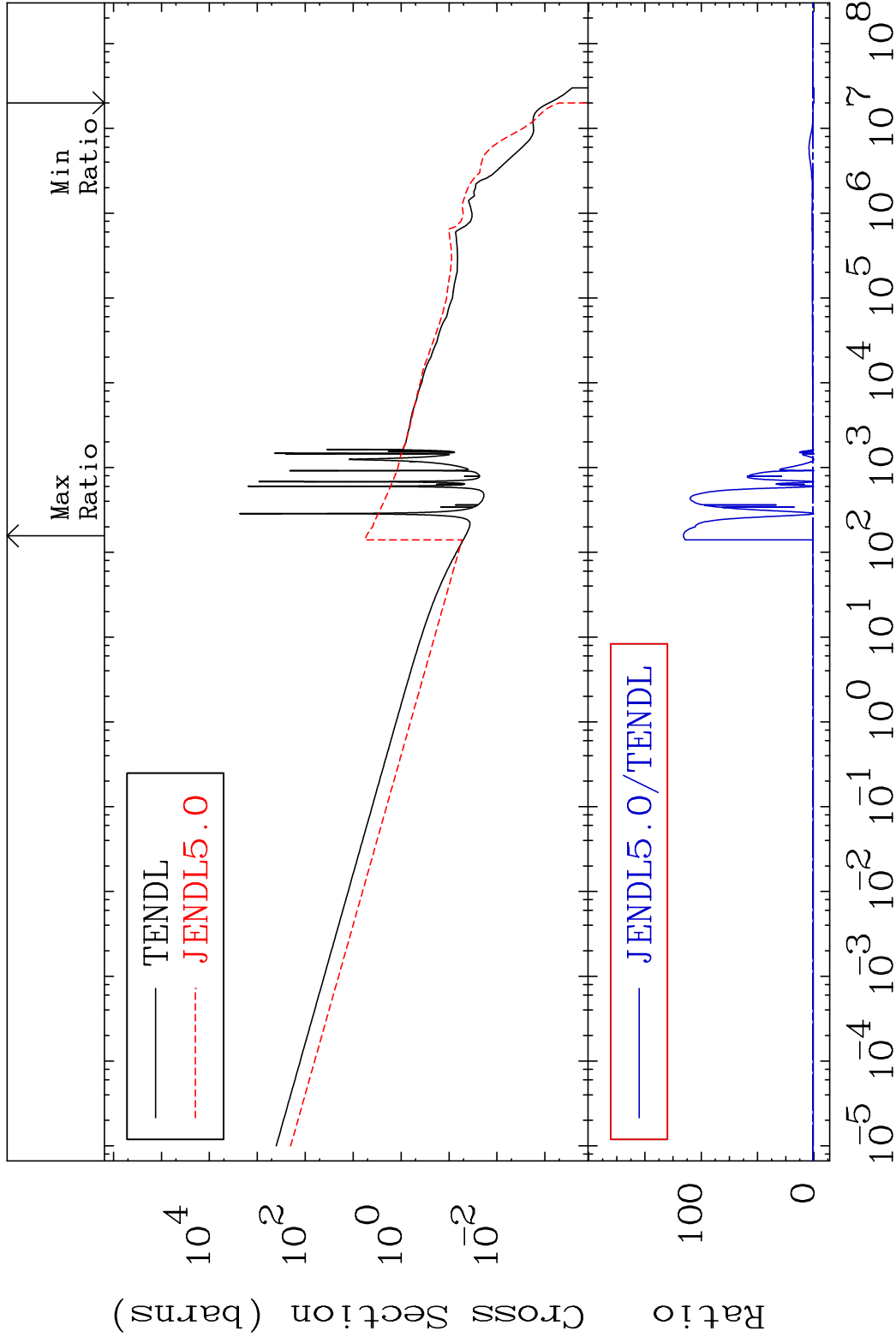


MAT 4431

(n, γ)

44-Ru-98

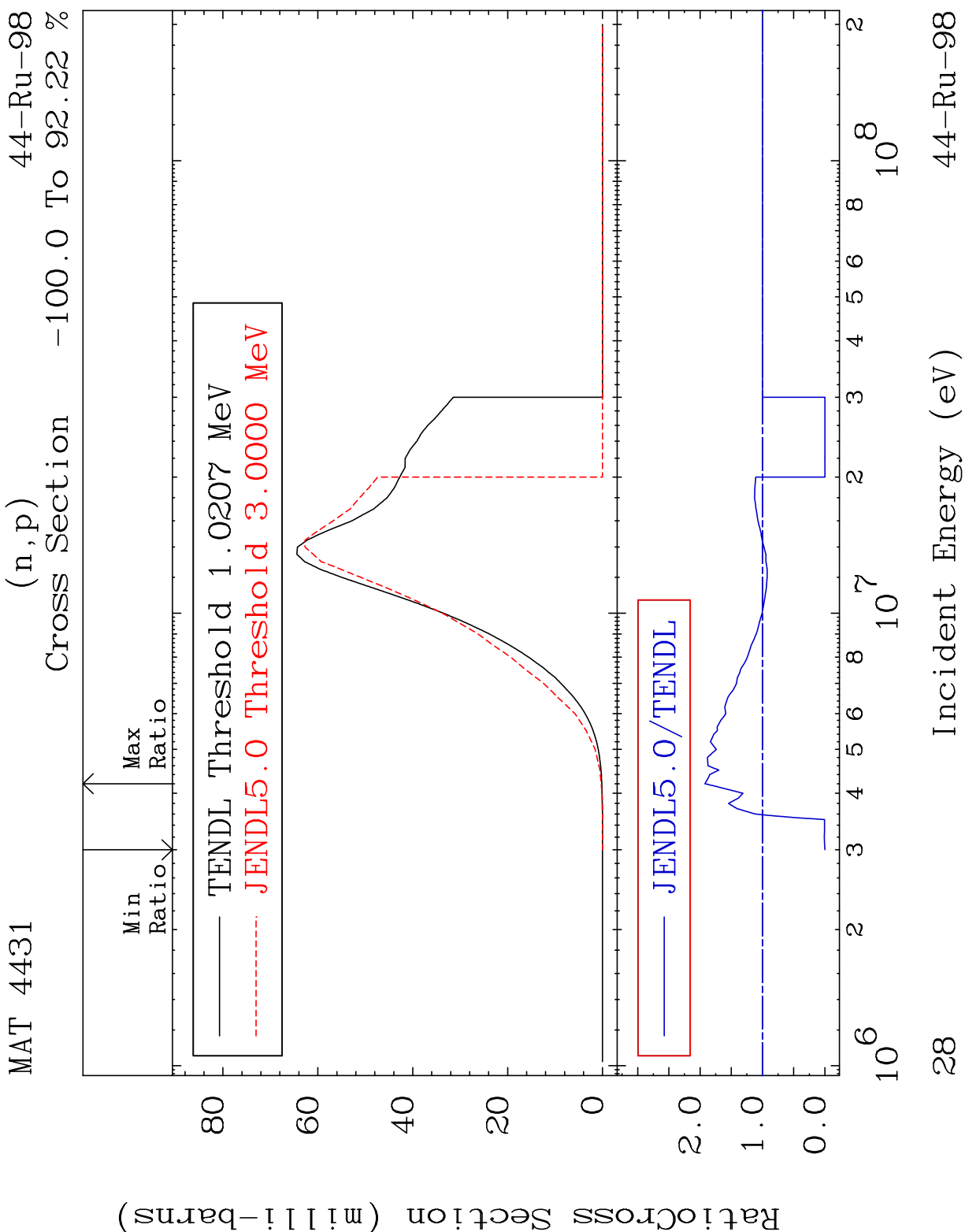
Cross Section -100.0 To 9999. %



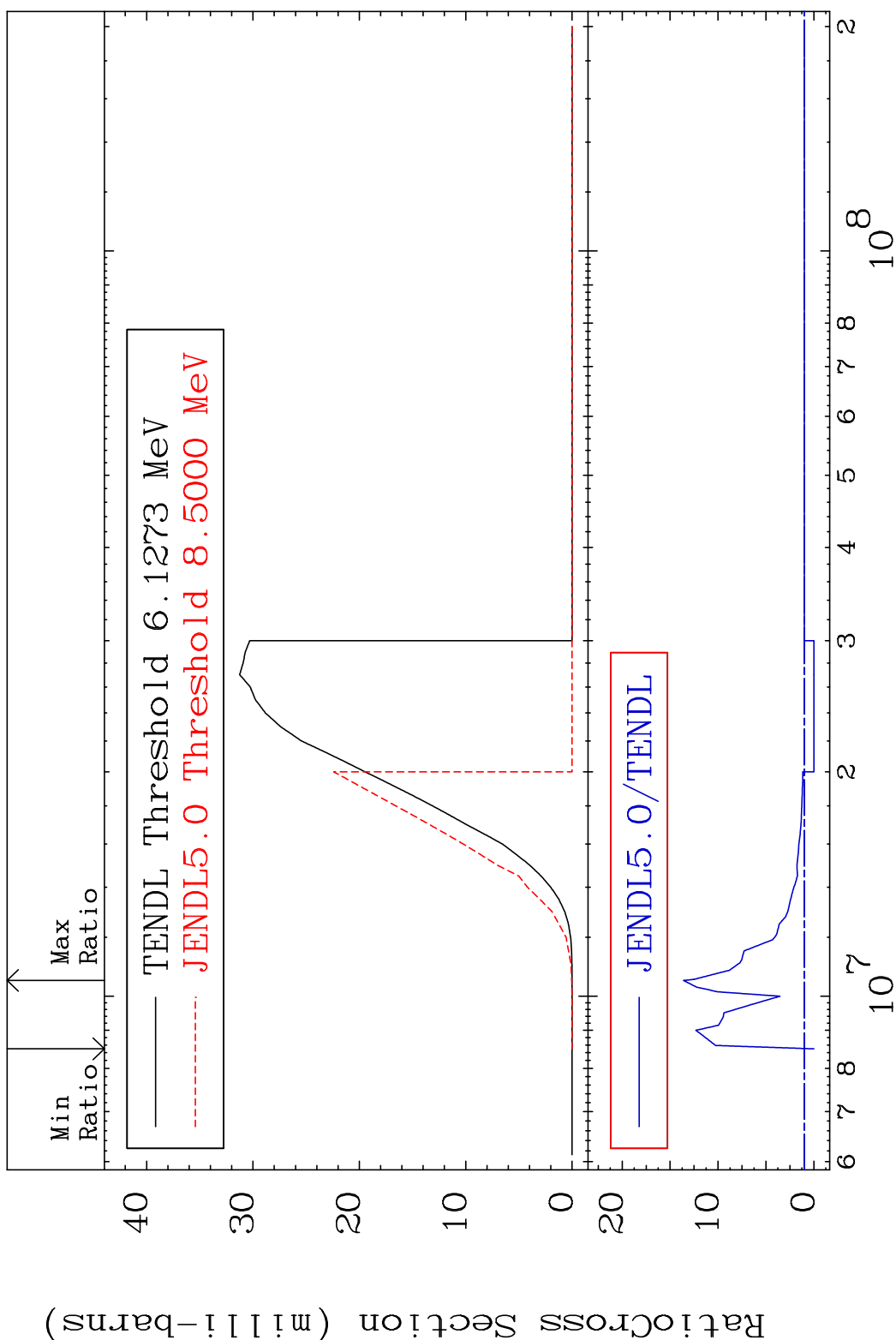
27

Incident Energy (eV)

44-Ru-98

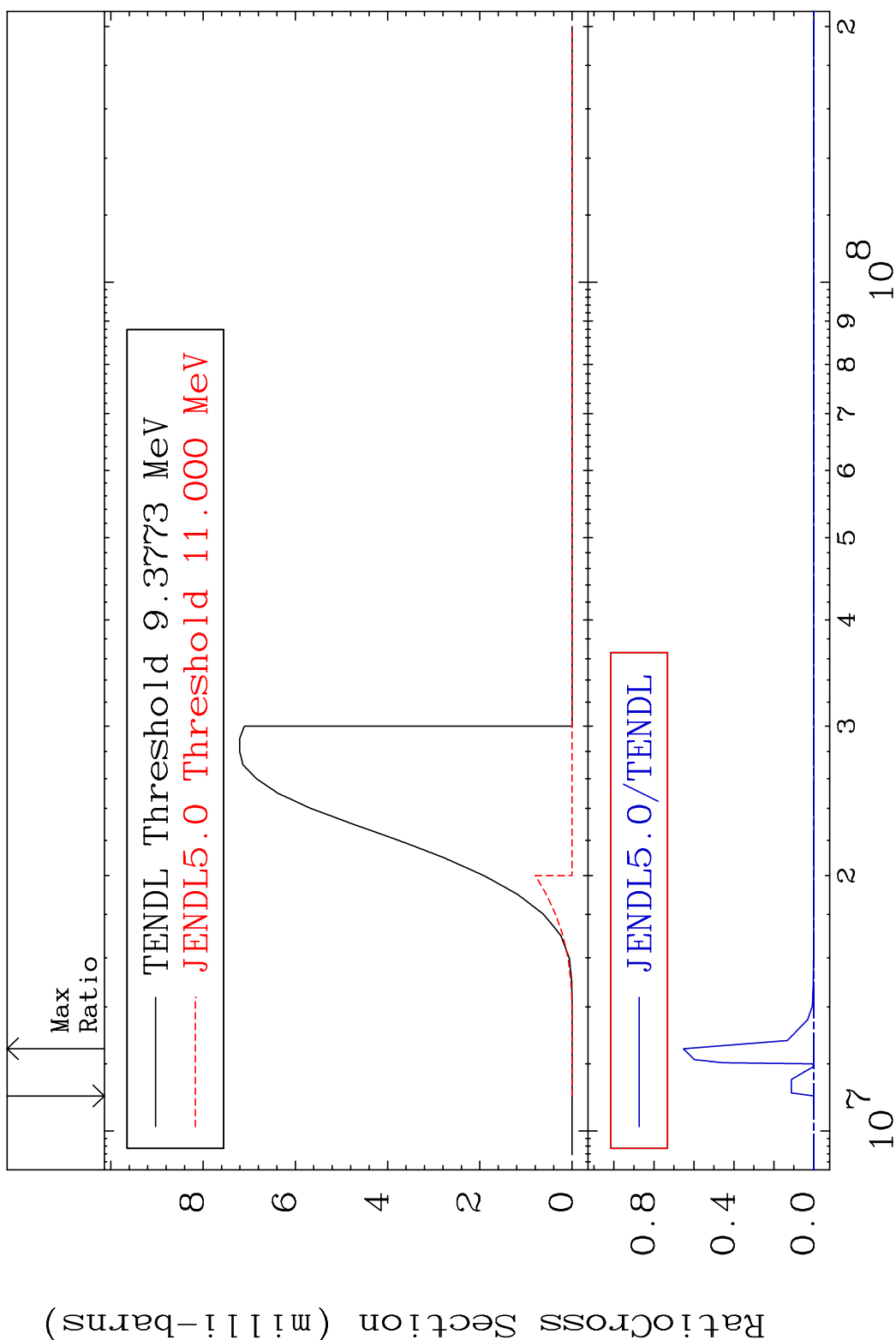


MAT 4431 (n, d) 44-Ru-98
 Cross Section -100.0 To 1261. %



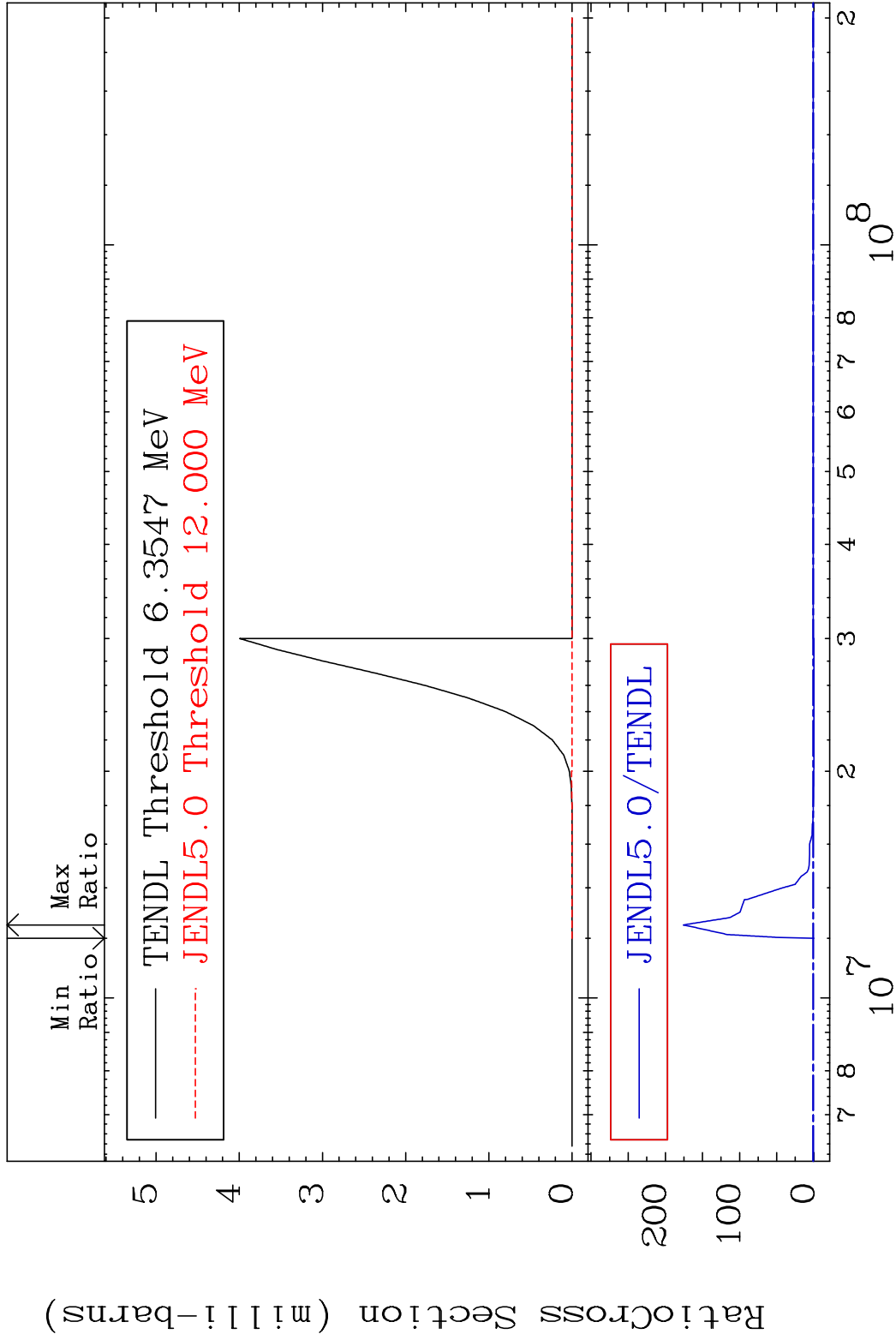
29 44-Ru-98

MAT 4431 (n, t) 44-Ru-98
Cross Section -100.0 To 9999. %



30 44-Ru-98

MAT 4431 (n, He-3) 44-Ru-98
 Cross Section -100.0 To 9999. %



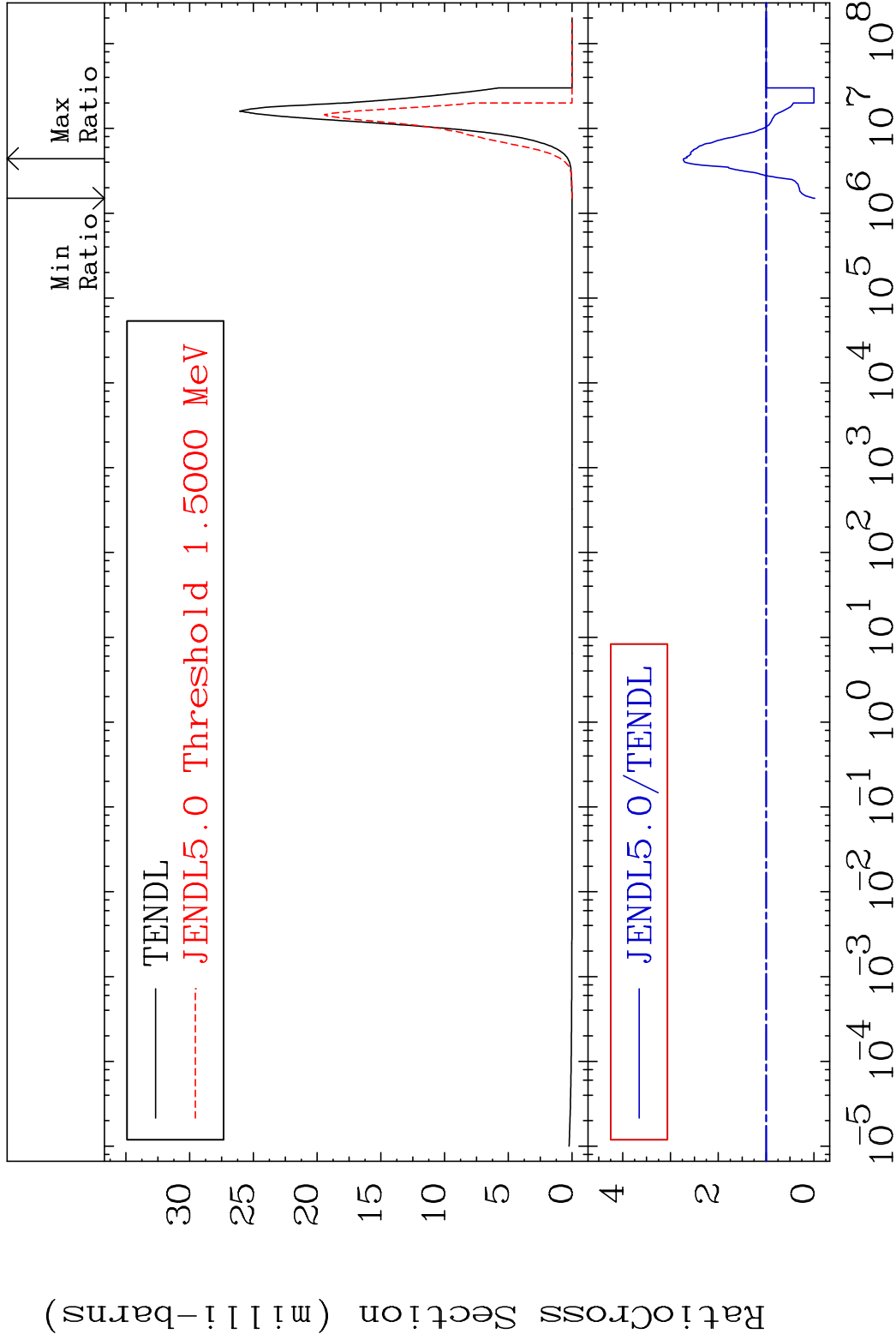
31 44-Ru-98

MAT 4431

(n, α)

44-Ru-98

Cross Section -100.0 To 172.9 %

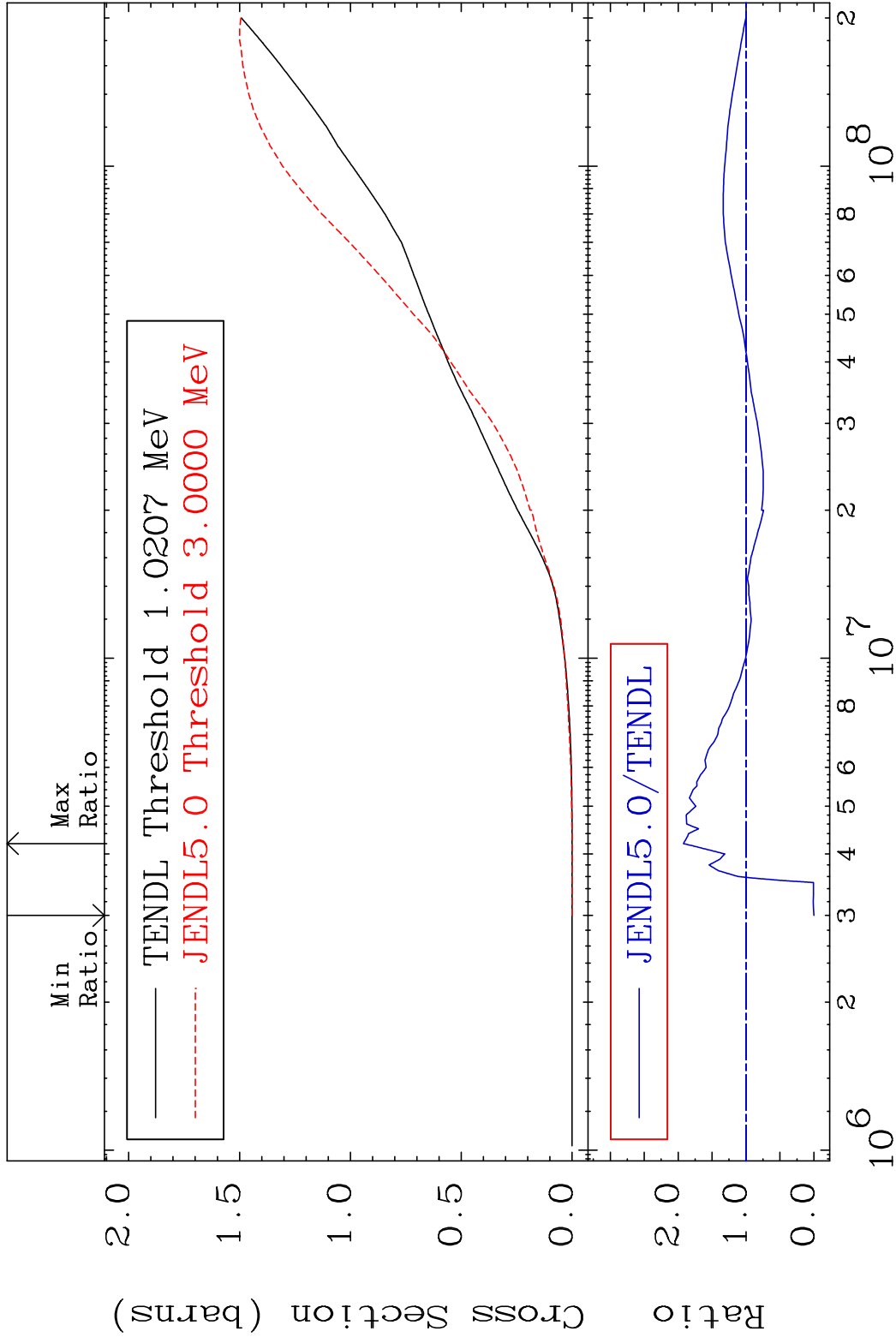


32

Incident Energy (eV)

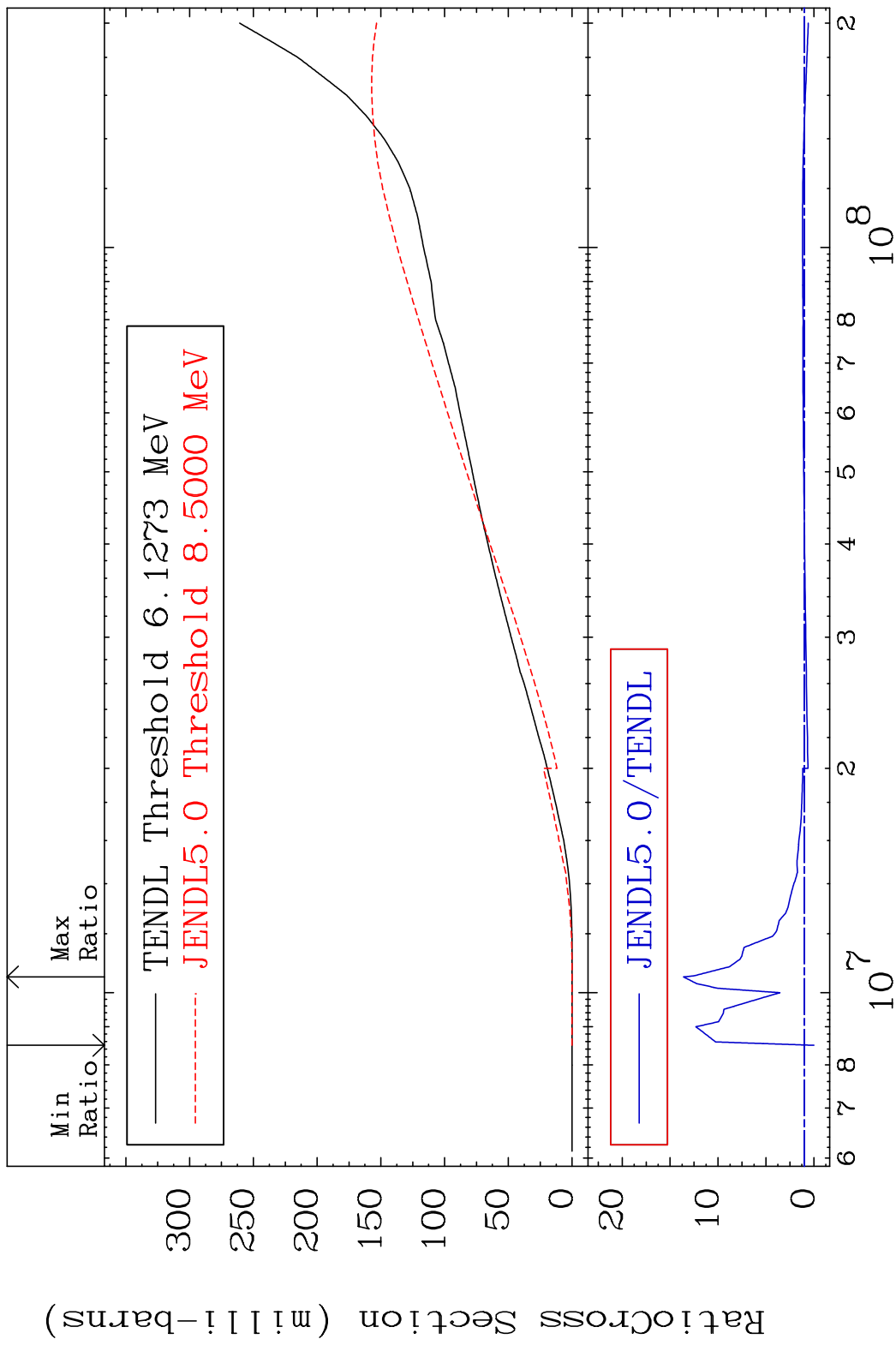
44-Ru-98

MAT 4431 Hydrogen Production 44-Ru-98
 Cross Section -100.0 To 92.22 %



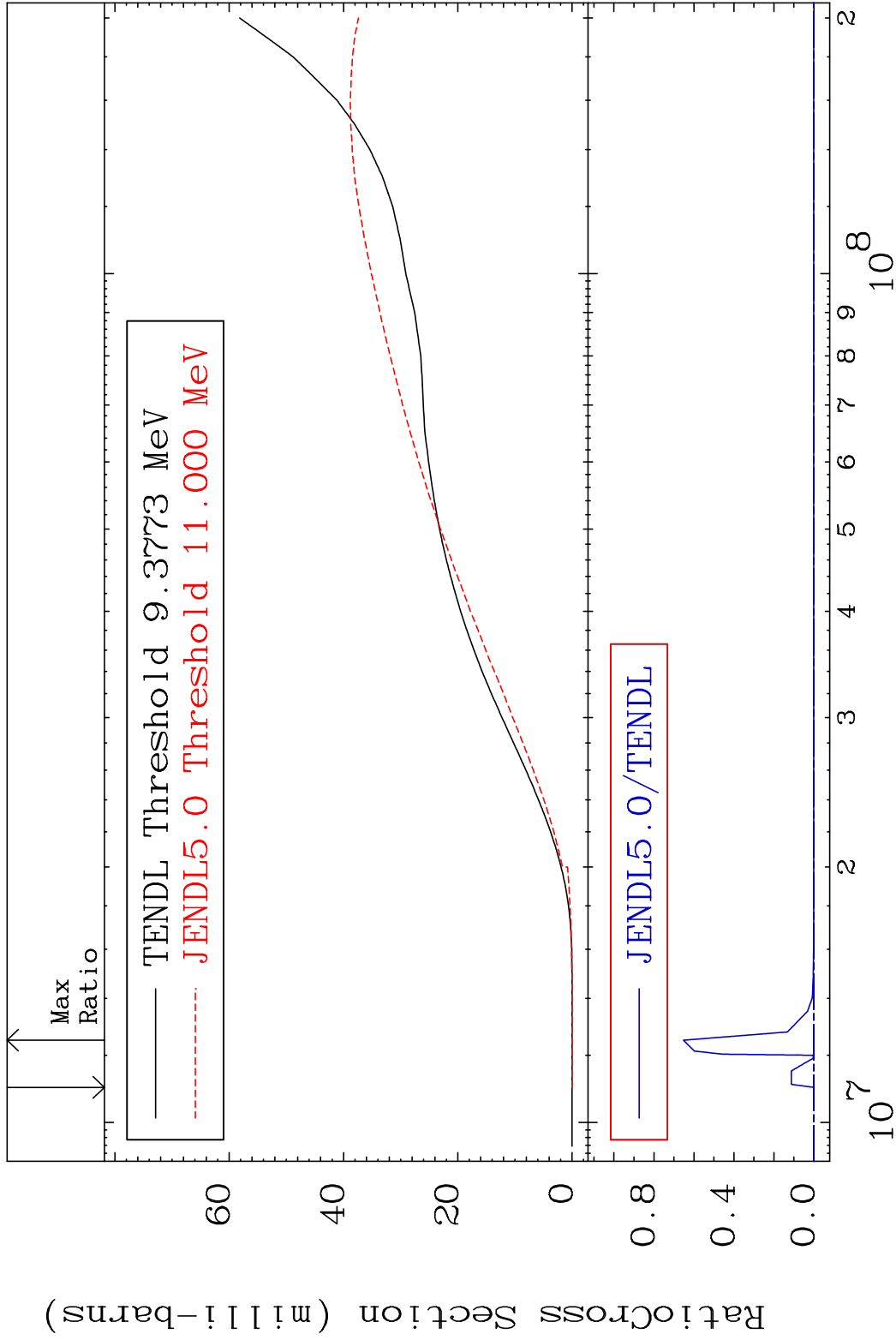
33 Incident Energy (eV) 44-Ru-98

MAT 4431 Deuterium Production 44-Ru-98
 Cross Section -100.0 To 1261. %



34 44-Ru-98

MAT 4431 Tritium Production 44-Ru-98
Cross Section -100.0 To 9999. %



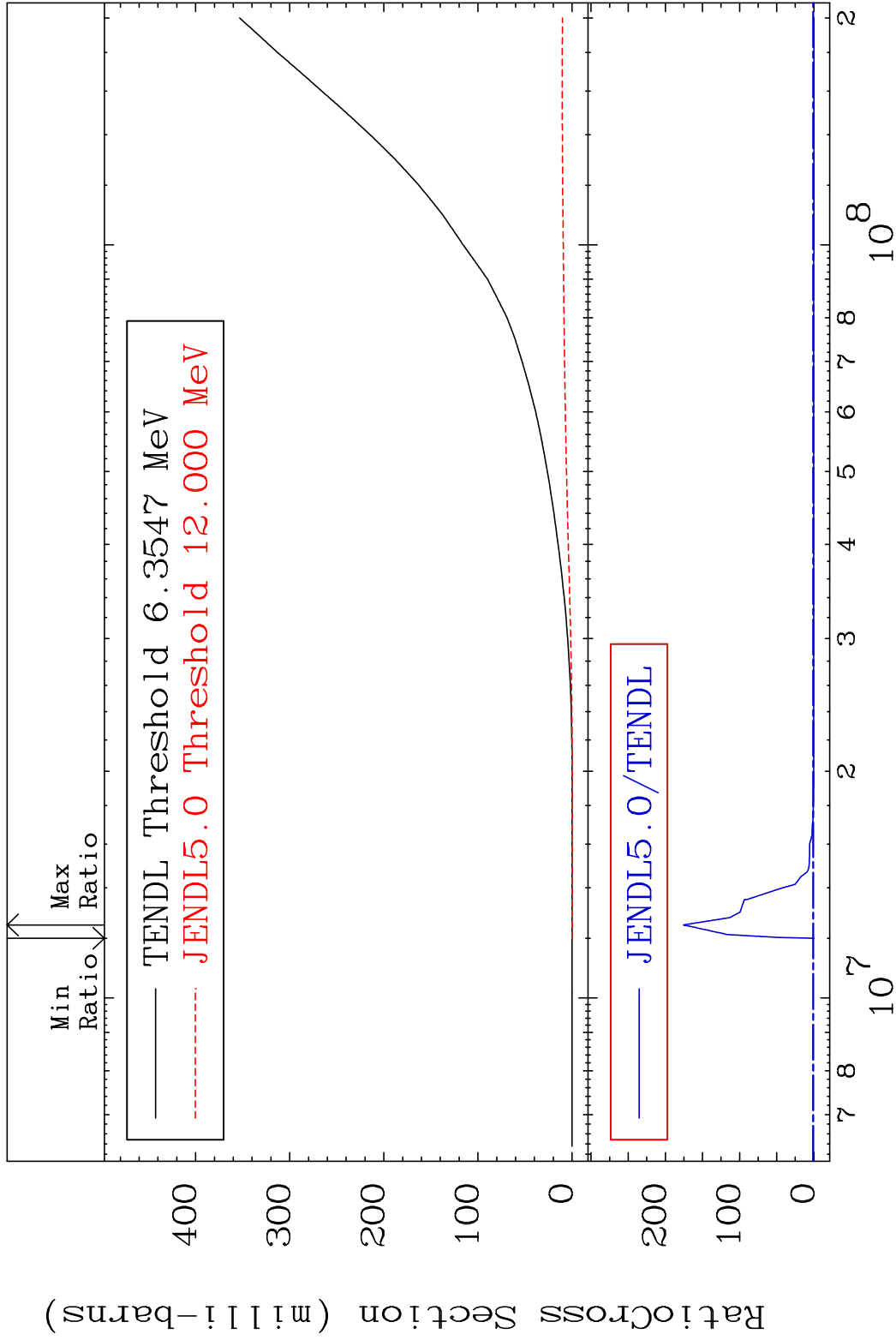
35 44-Ru-98

MAT 4431

He-3 Production

44-Ru-98

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

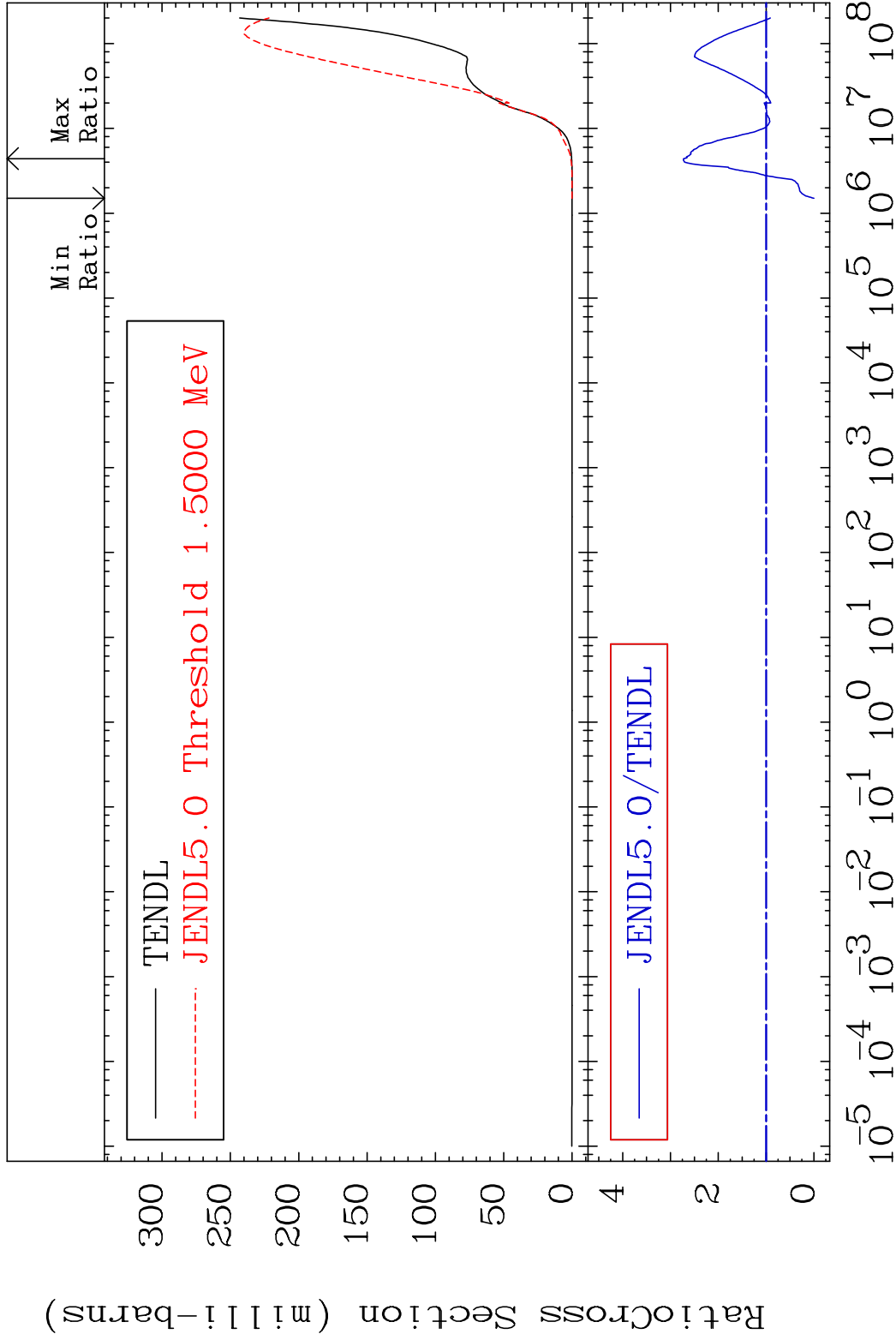
44-Ru-98

MAT 4431

He-4 Production

44-Ru-98

Cross Section -100.0 To 172.9 %

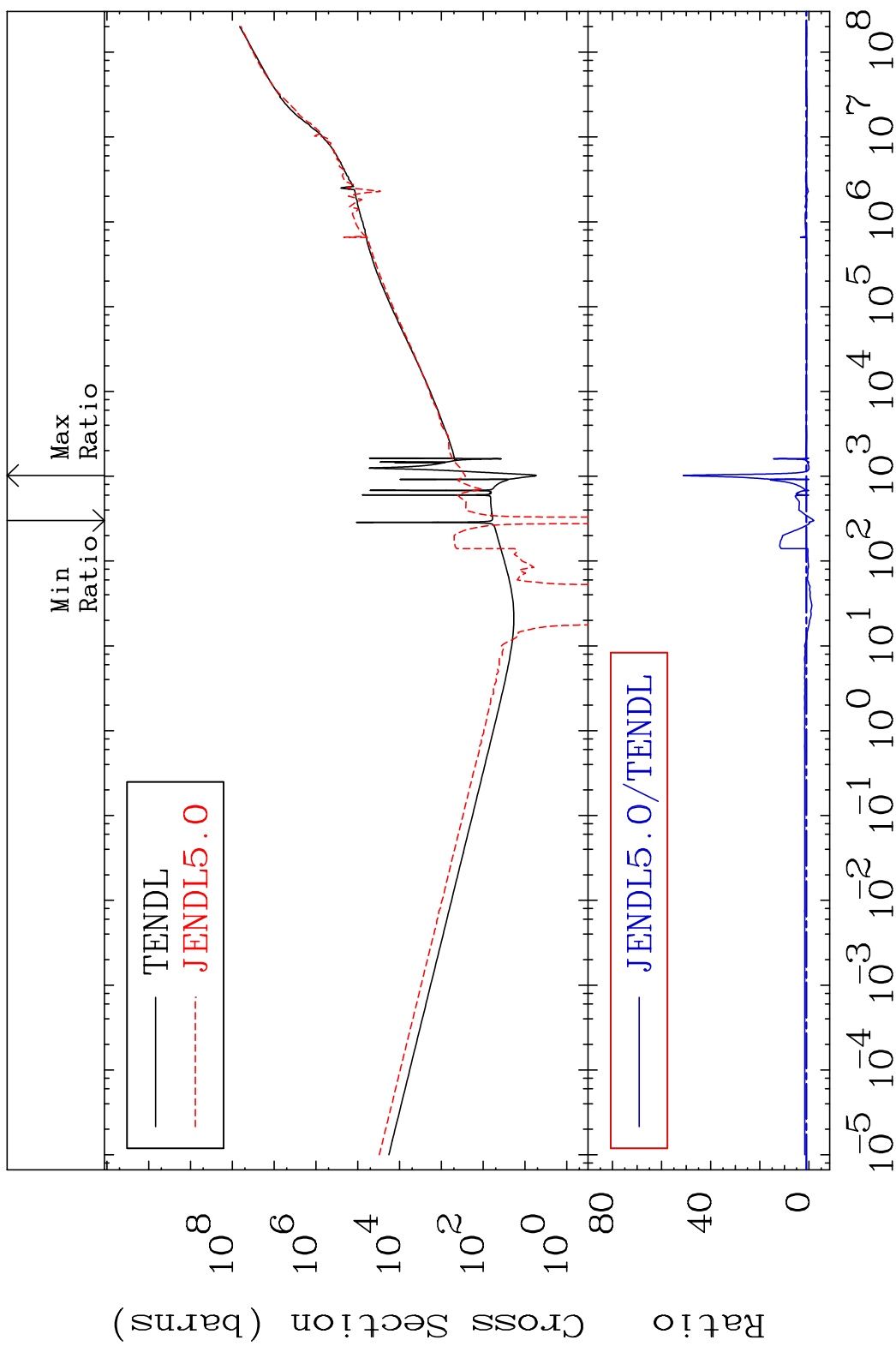


37

Incident Energy (eV)

44-Ru-98

MAT 4431 Kerma total (eV-barns) 44-Ru-98
Cross Section -301.6 To 5011. %



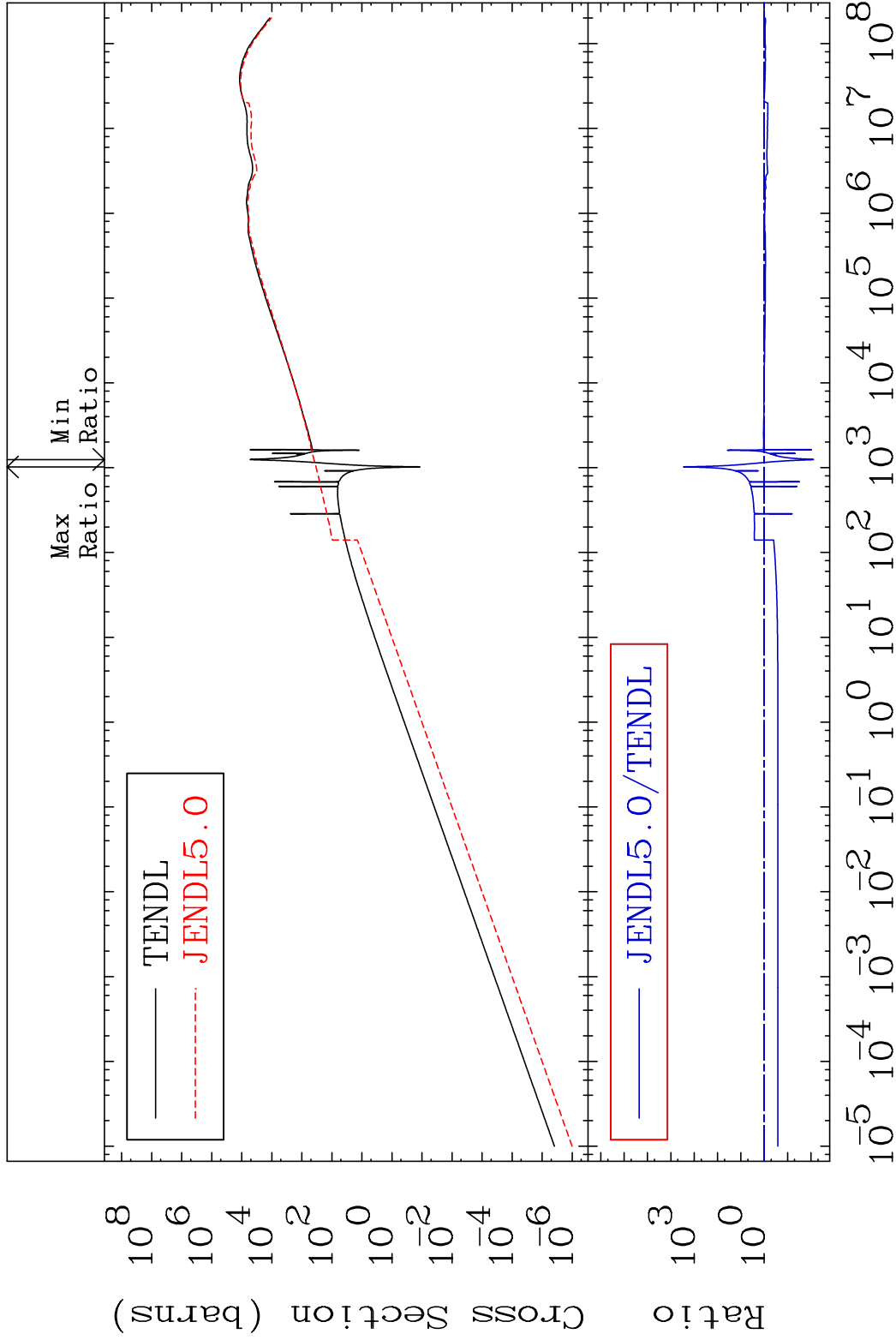
38 Incident Energy (eV) 44-Ru-98

MAT 4431

Kerma elastic

44-Ru-98

Cross Section -99.25 To 9999. %

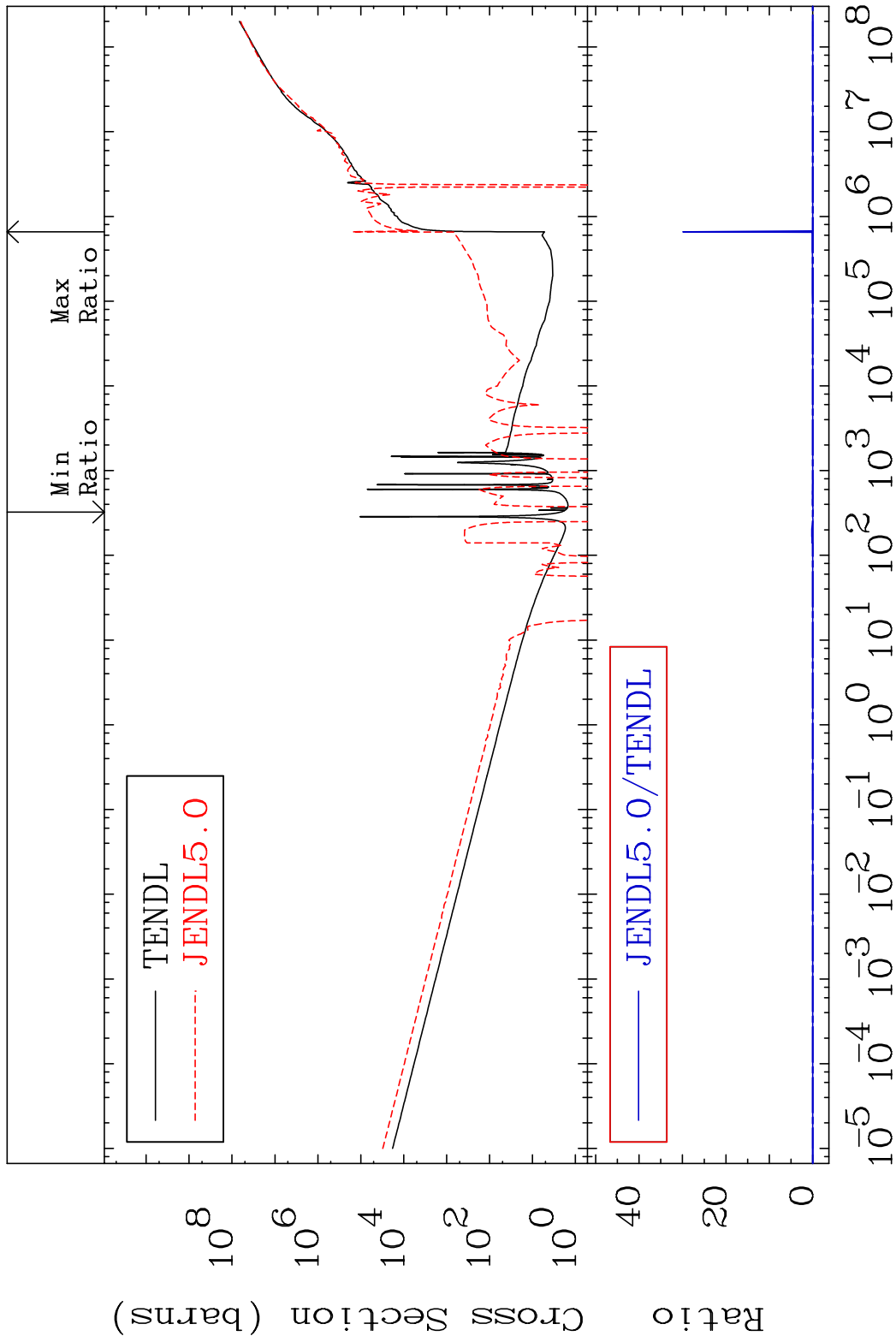


39

Incident Energy (eV)

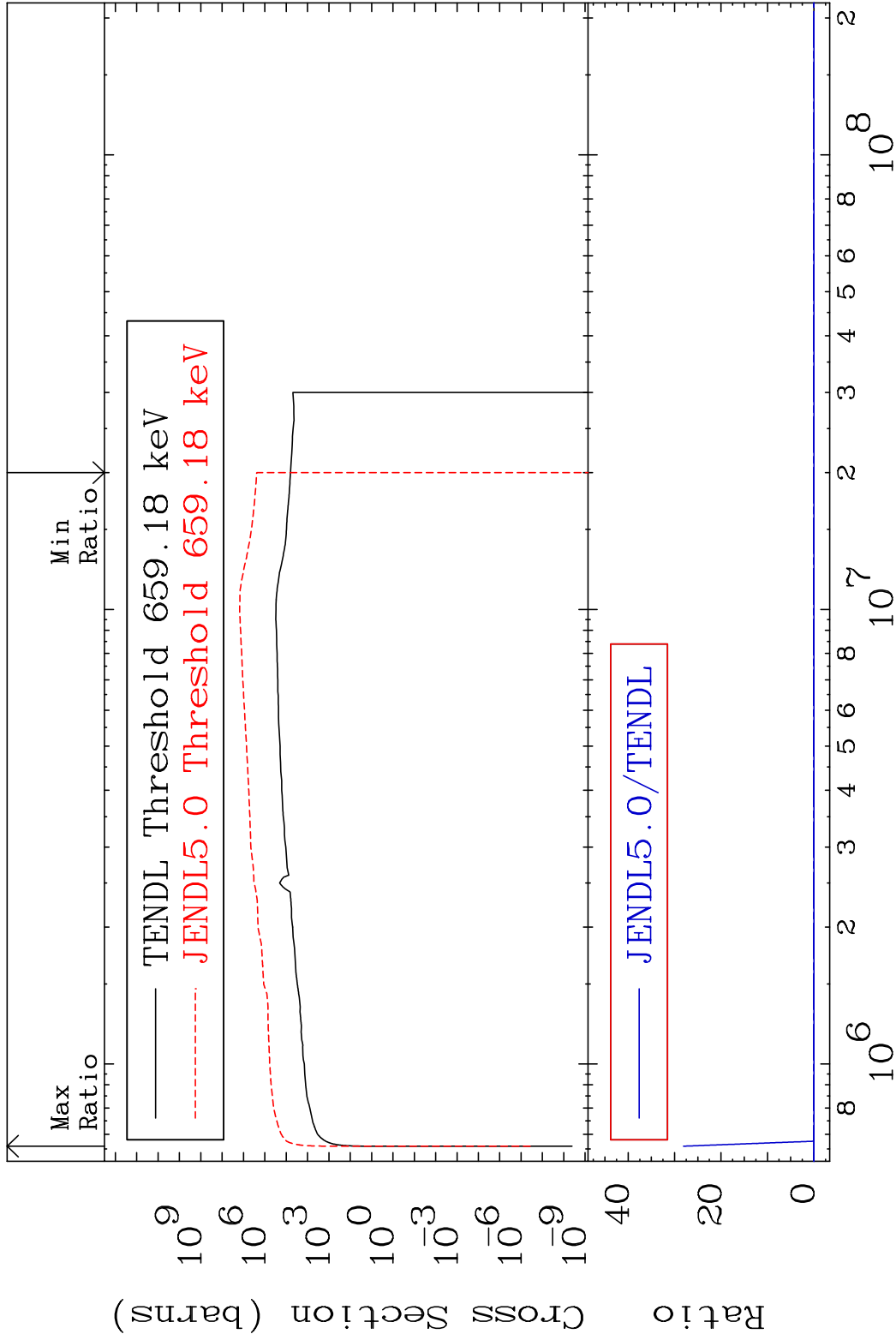
44-Ru-98

MAT 4431 Kerma non-elastic (all but mt2) 44-Ru-98
 Cross Section -8494. To 9999. %



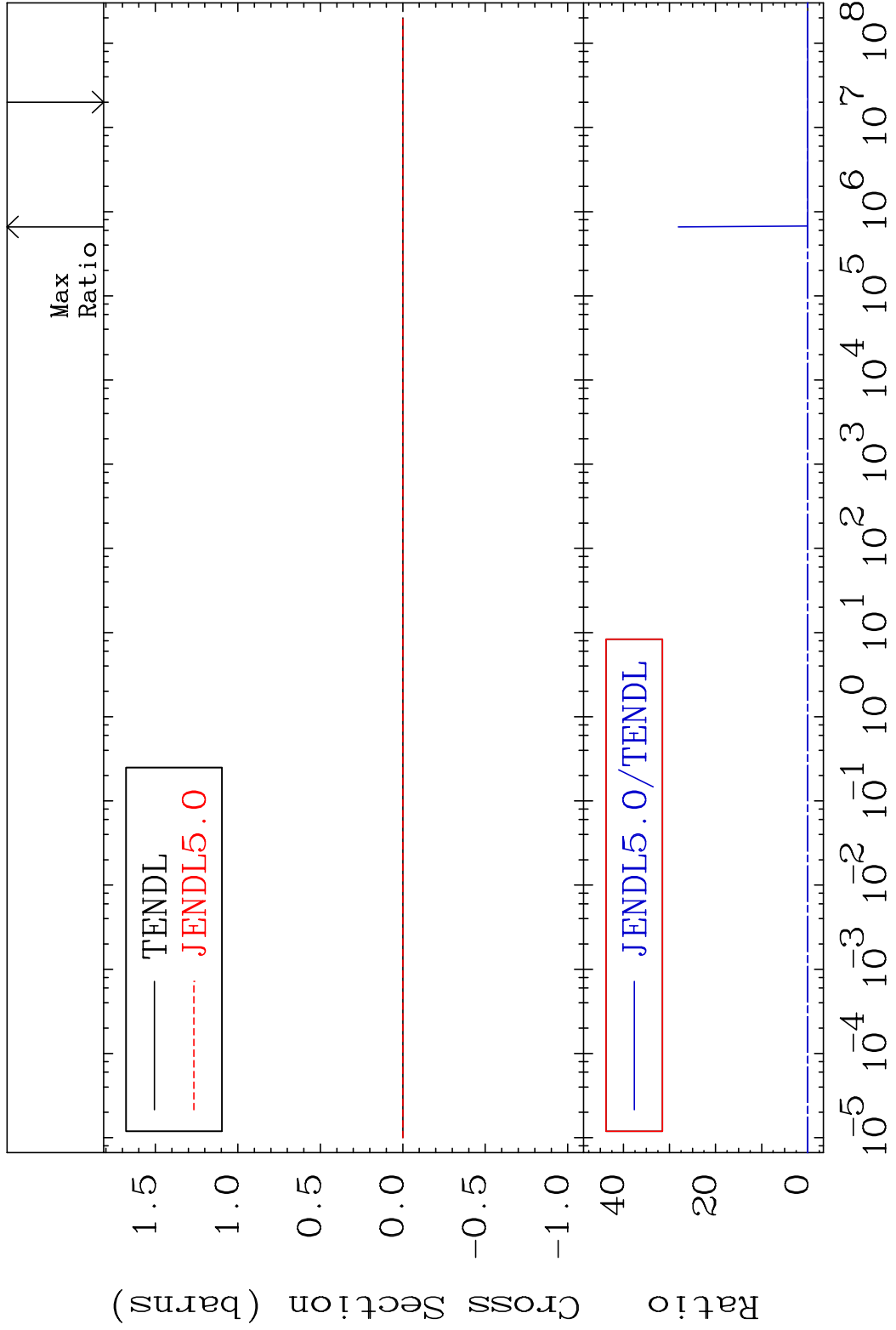
40 Incident Energy (eV) 44-Ru-98

MAT 4431 Kerma inelastic (mt51-91) 44-Ru-98
 Cross Section -100.0 To 9999. %



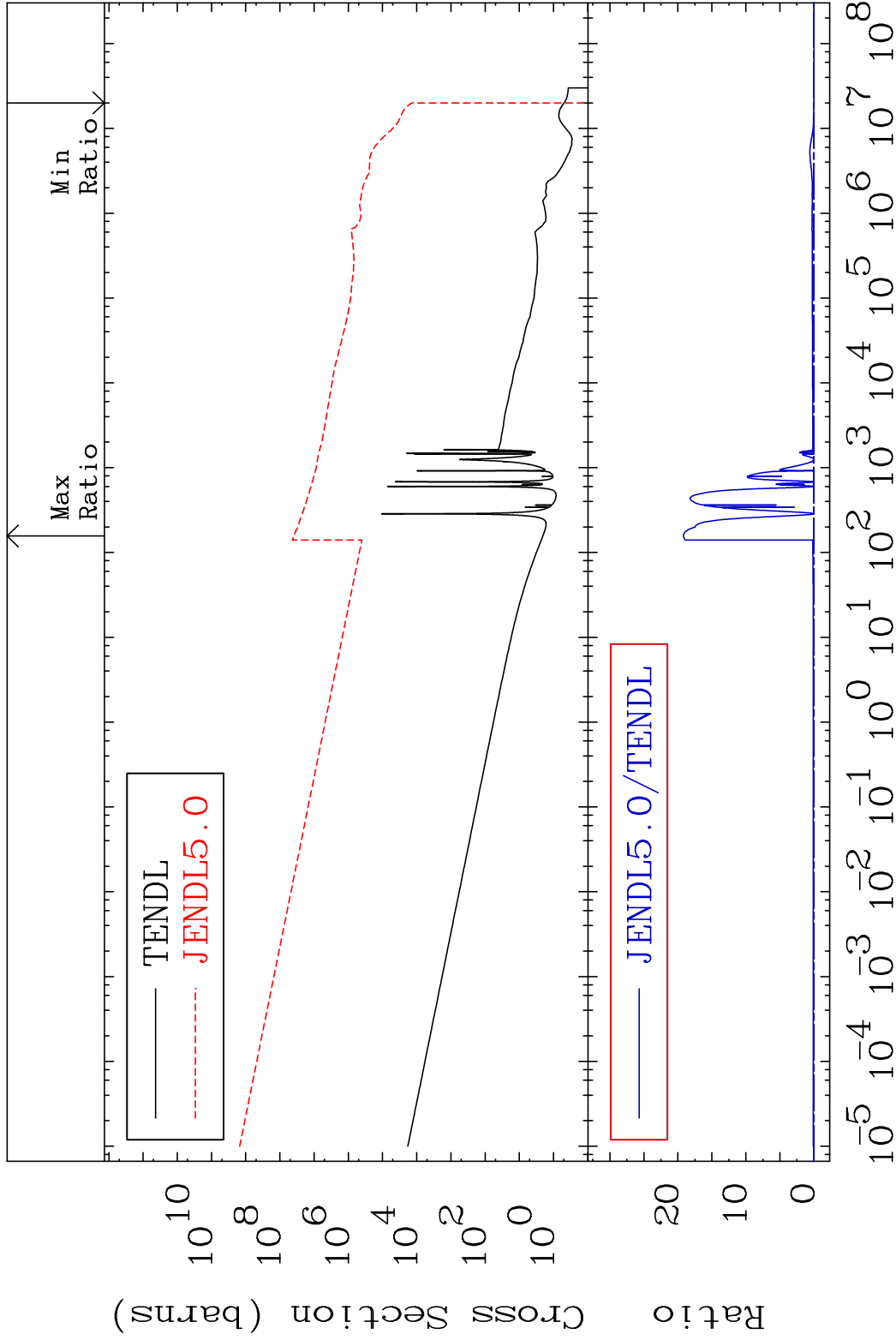
41 Incident Energy (eV) 44-Ru-98

MAT 4431 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-98
 Cross Section -100.0 To 9999. %



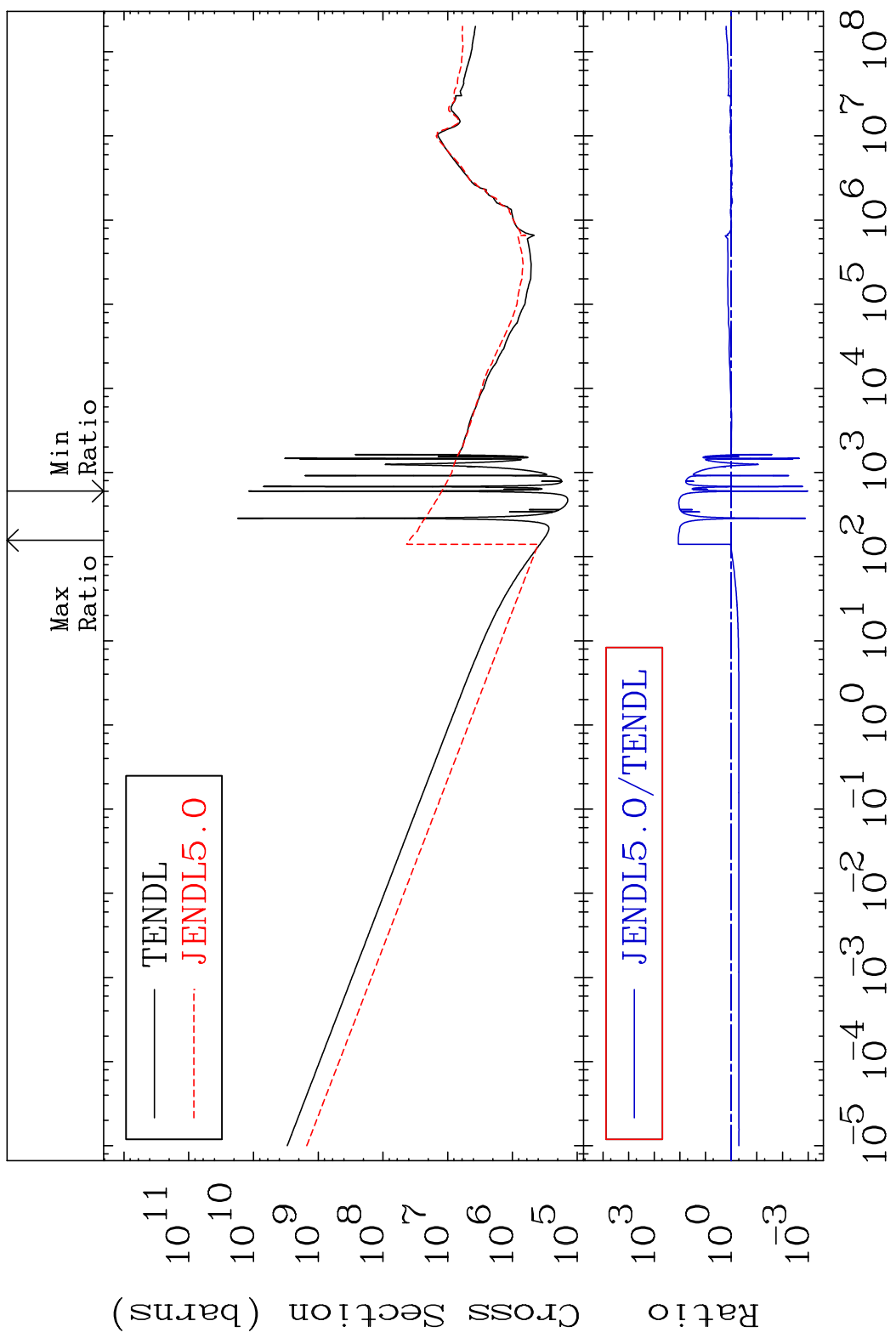
42 Incident Energy (eV) 44-Ru-98

MAT 4431 Kerma capture (mt102) 44-Ru-98
 Cross Section -100.0 To 9999. %



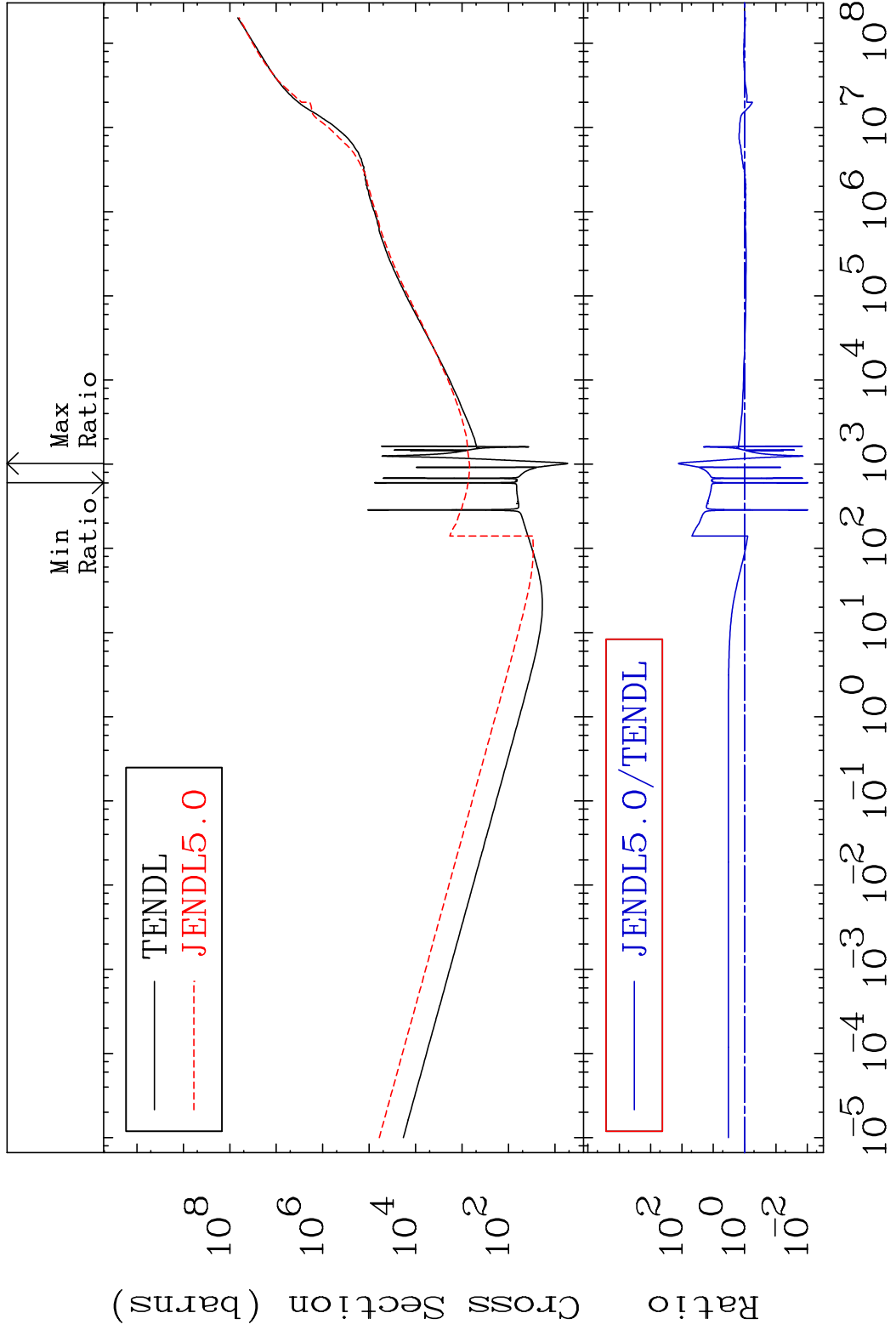
43 Incident Energy (eV) 44-Ru-98

MAT 4431 Total photon (eV-barns) 44-Ru-98
 Cross Section -99.90 To 9999. %



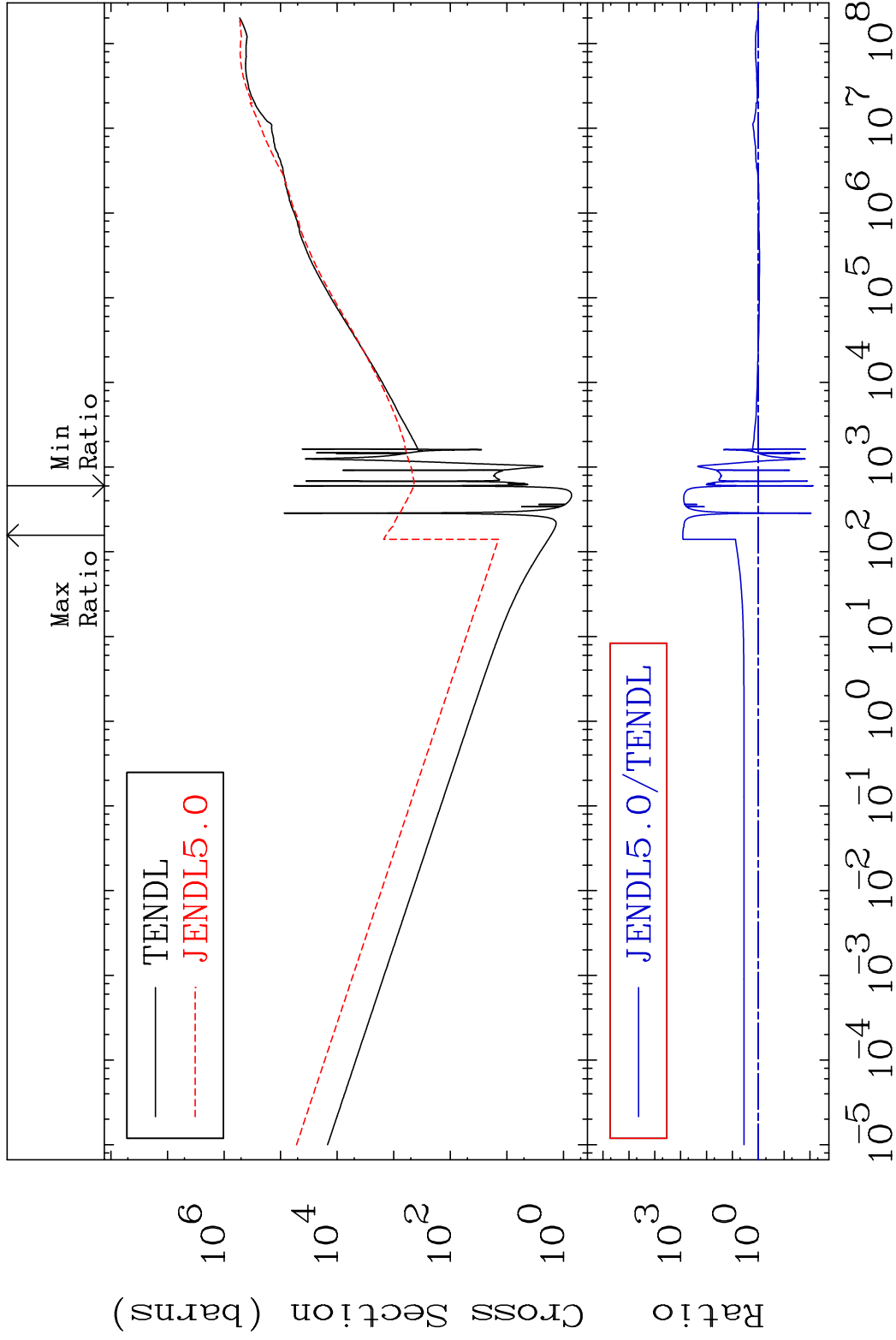
44 Incident Energy (eV) 44-Ru-98

MAT 4431 Total kinematic kerma (high limit) 44-Ru-98
 Cross Section -99.03 To 9999. %



45 Incident Energy (eV) 44-Ru-98

MAT 4431 Dpa total (eV-barns) 44-Ru-98
 Cross Section -99.24 To 9999. %



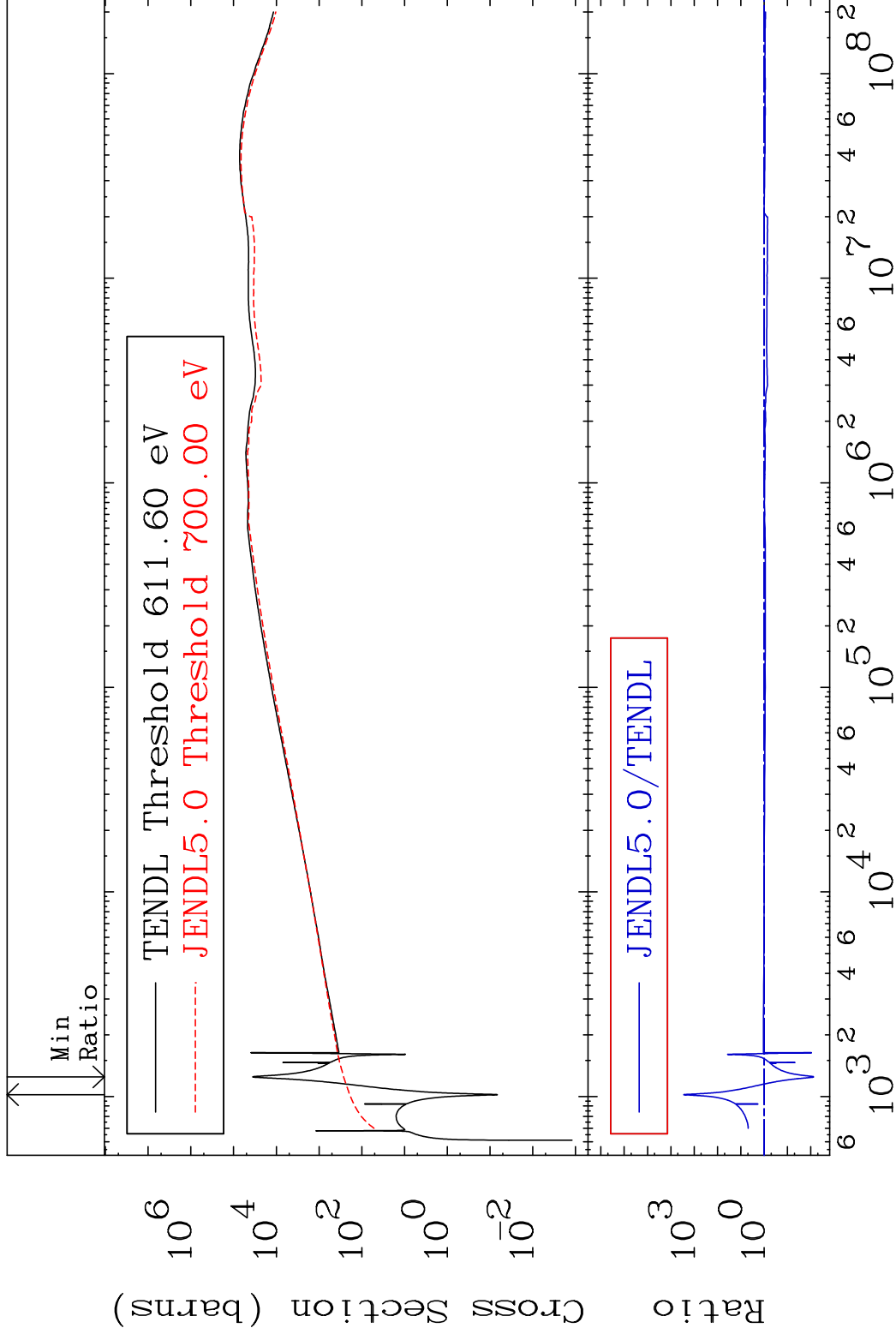
46 Incident Energy (eV) 44-Ru-98

MAT 4431

Dpa elastic (mt2)

44-Ru-98

Cross Section -99.26 To 9999. %

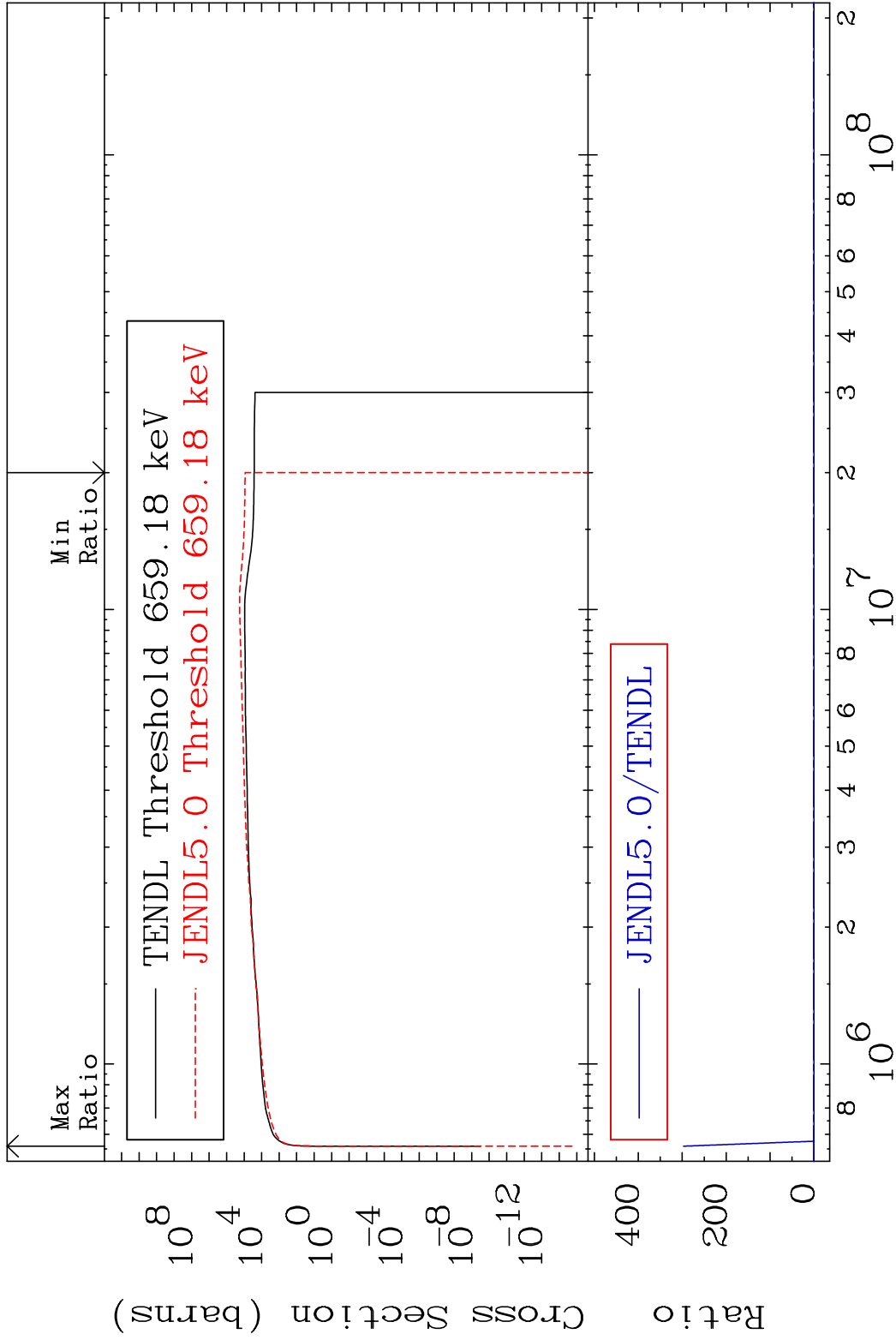


47

Incident Energy (eV)

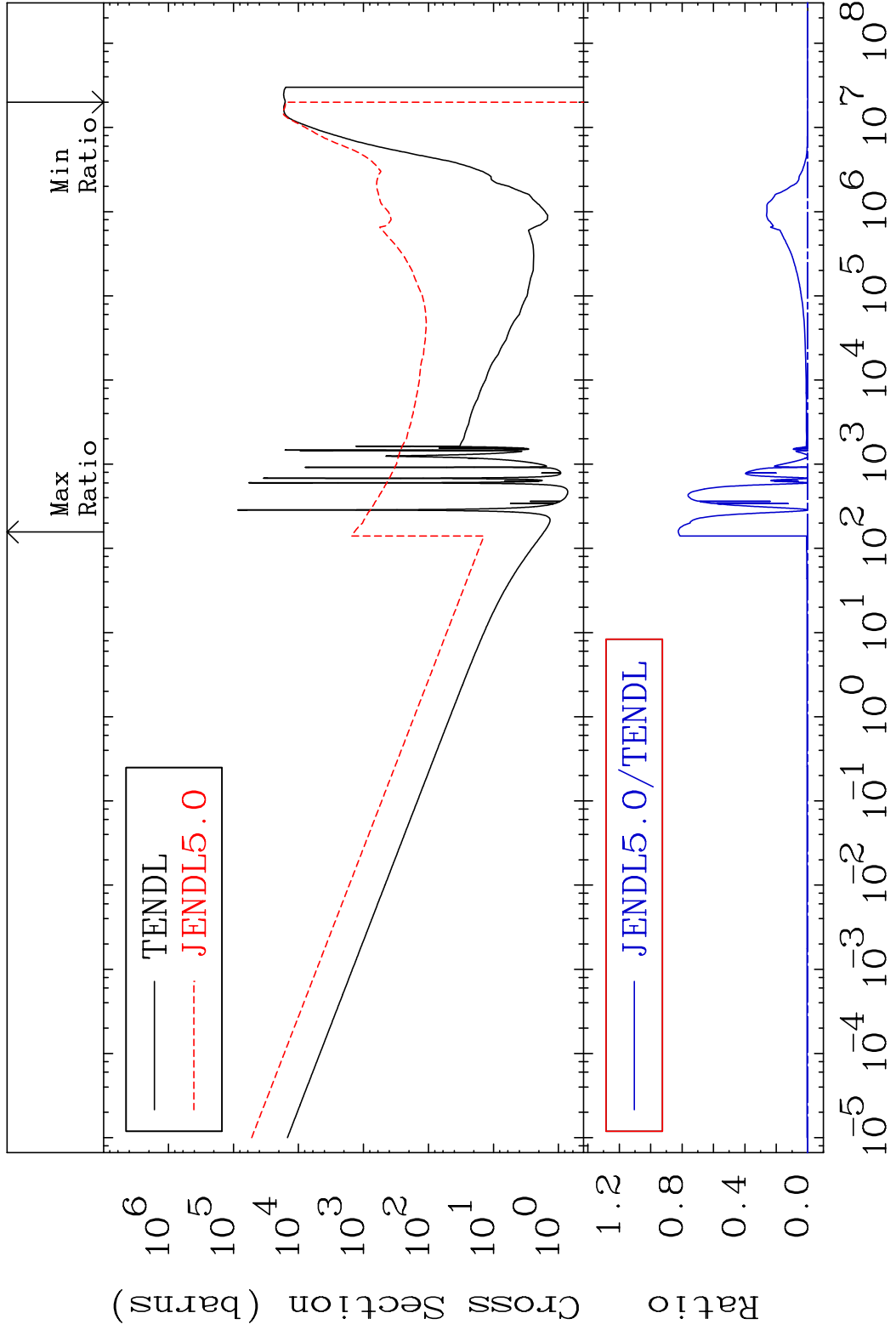
44-Ru-98

MAT 4431 Dpa inelastic (mt51-91) 44-Ru-98
 Cross Section -100.0 To 9999. %

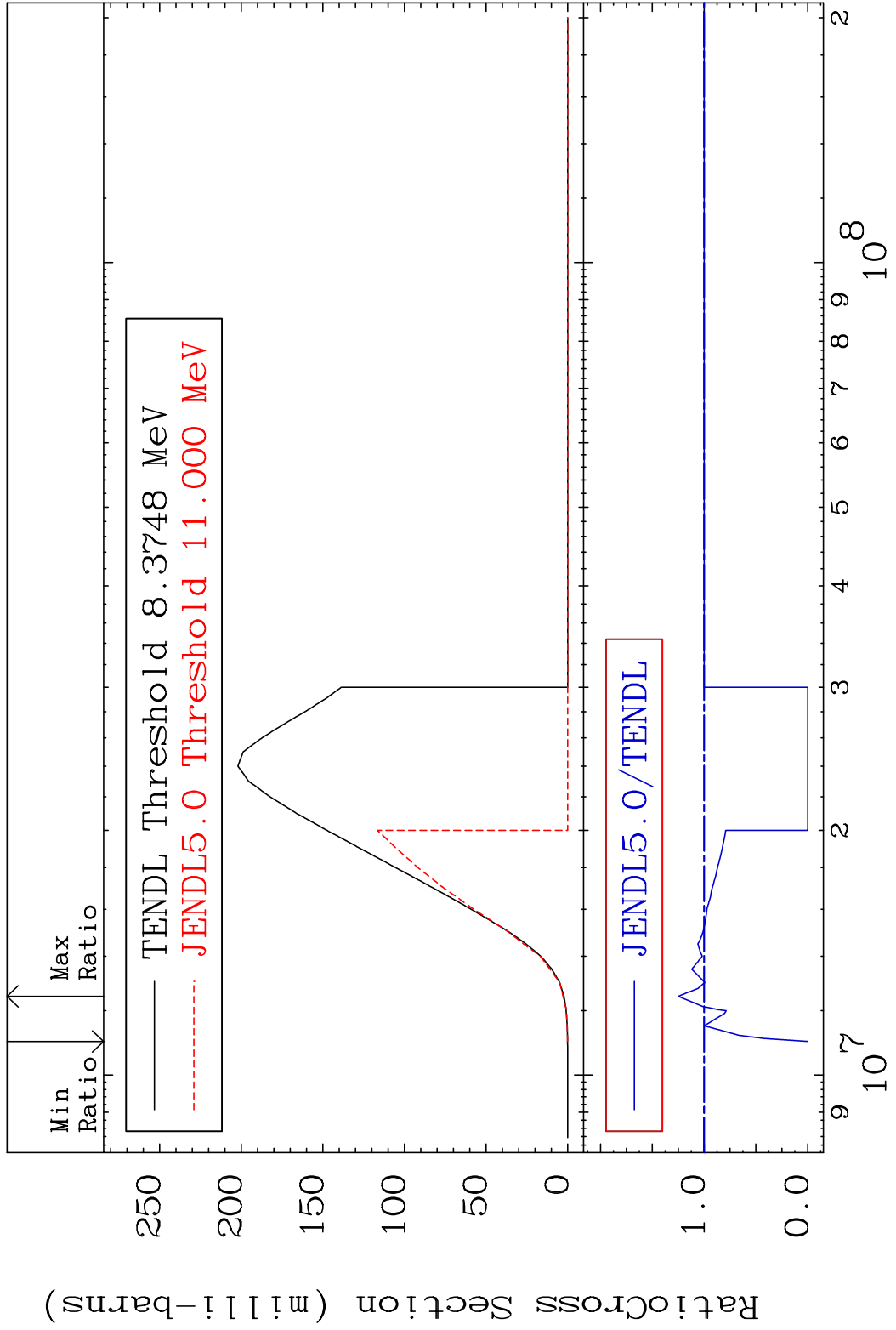


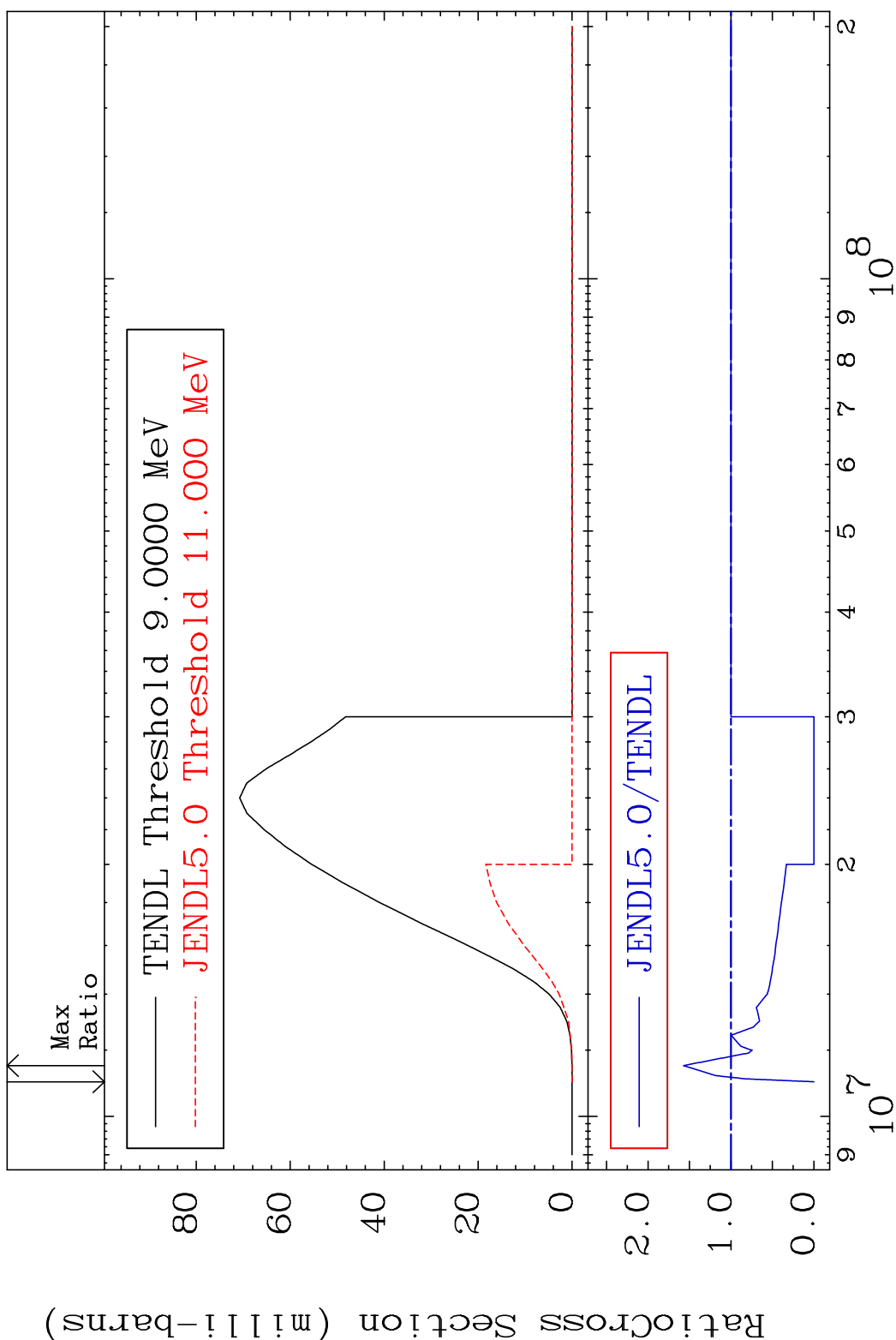
48 Incident Energy (eV) 44-Ru-98

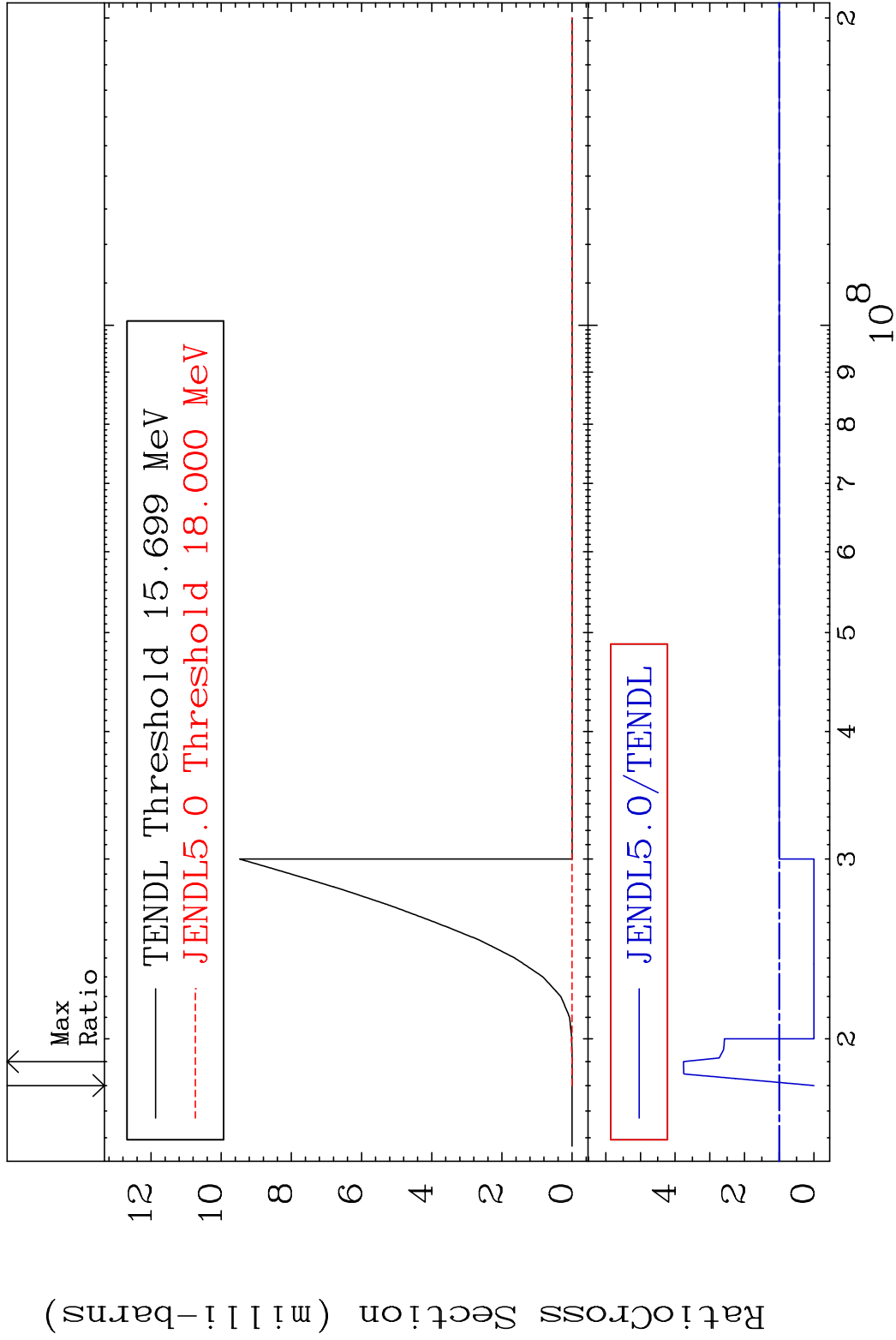
MAT 4431 Dpa disappearance (mt102 -120) 44-Ru-98
 Cross Section -100.0 To 9999. %

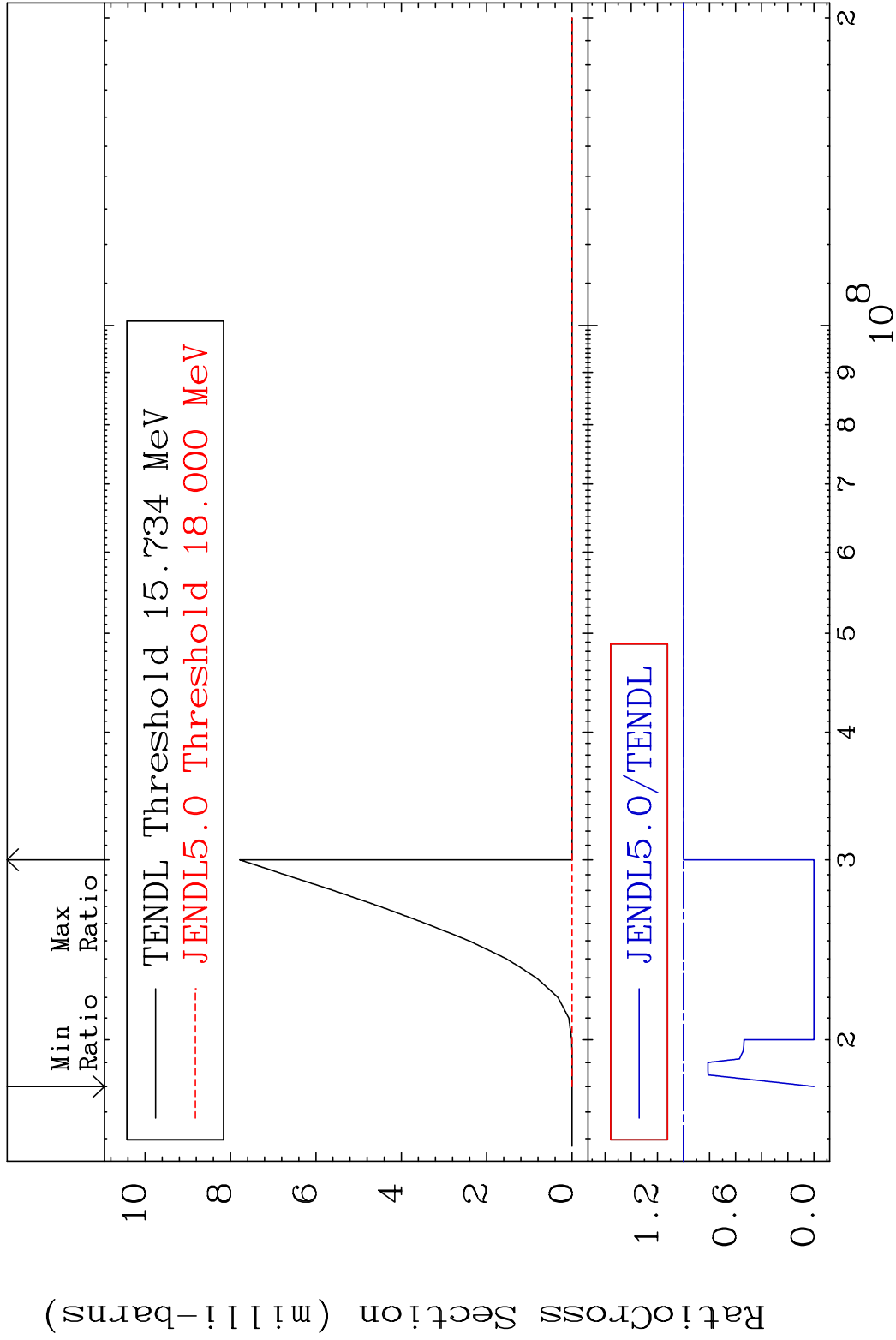


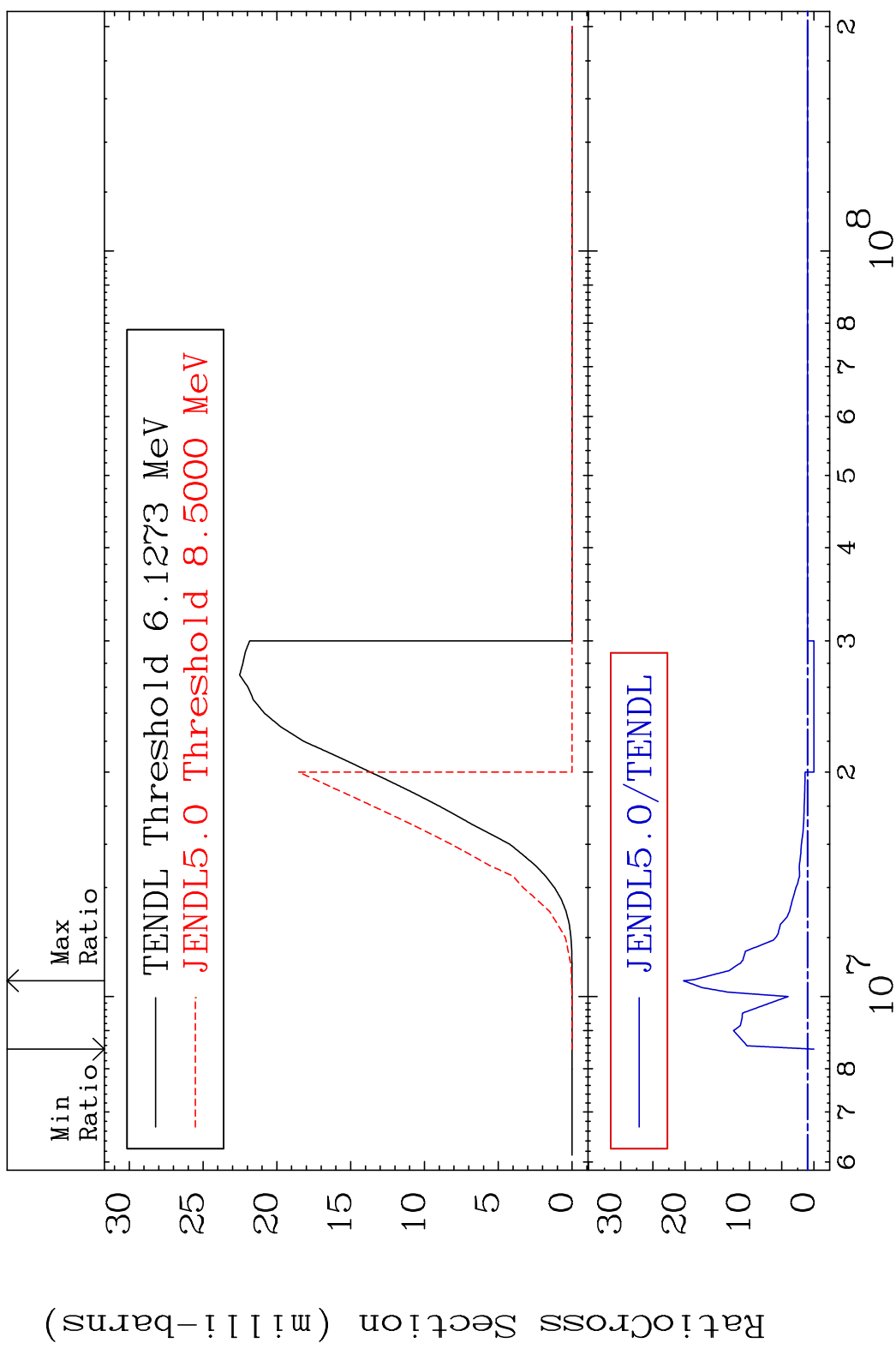
49 Incident Energy (eV) 44-Ru-98



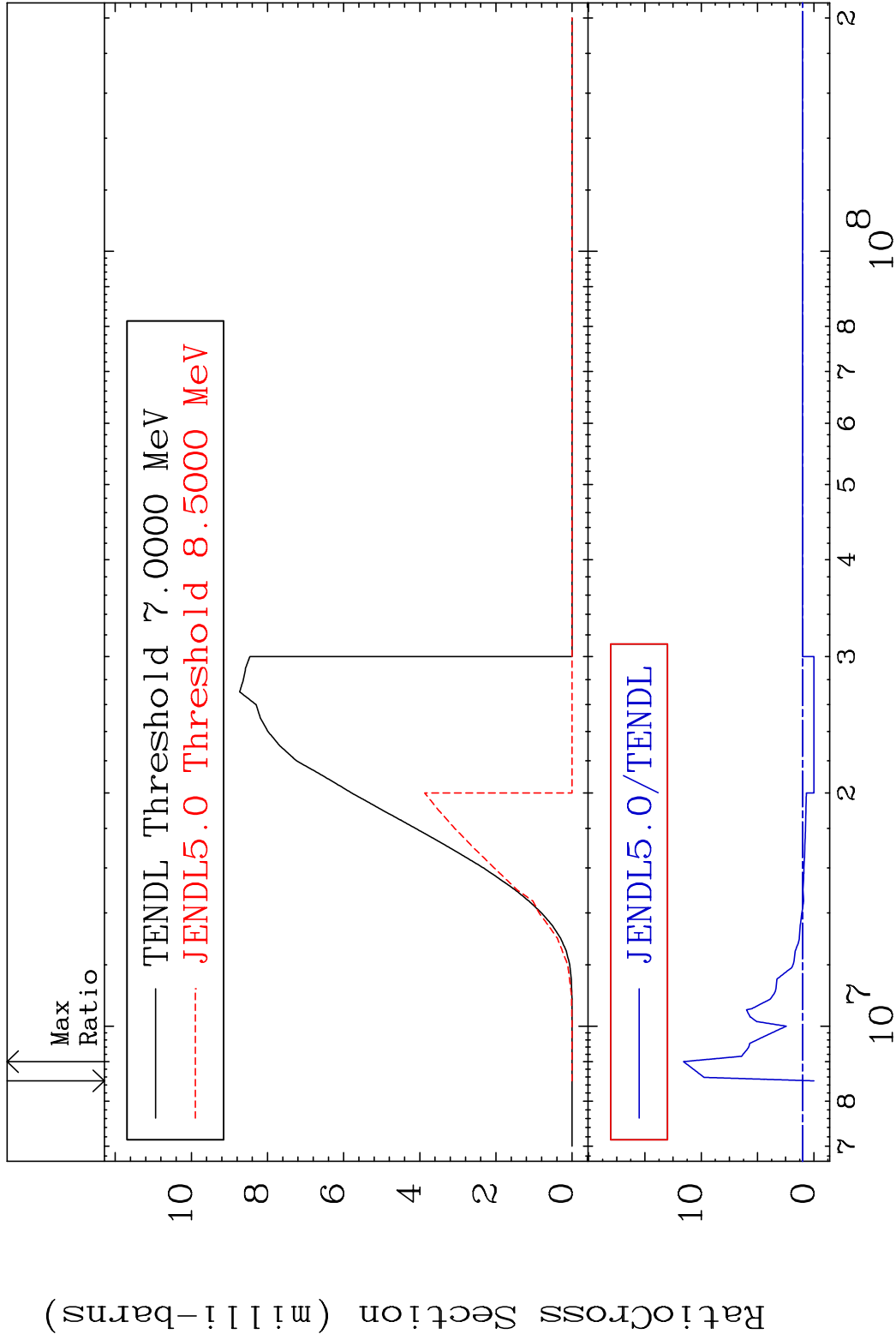




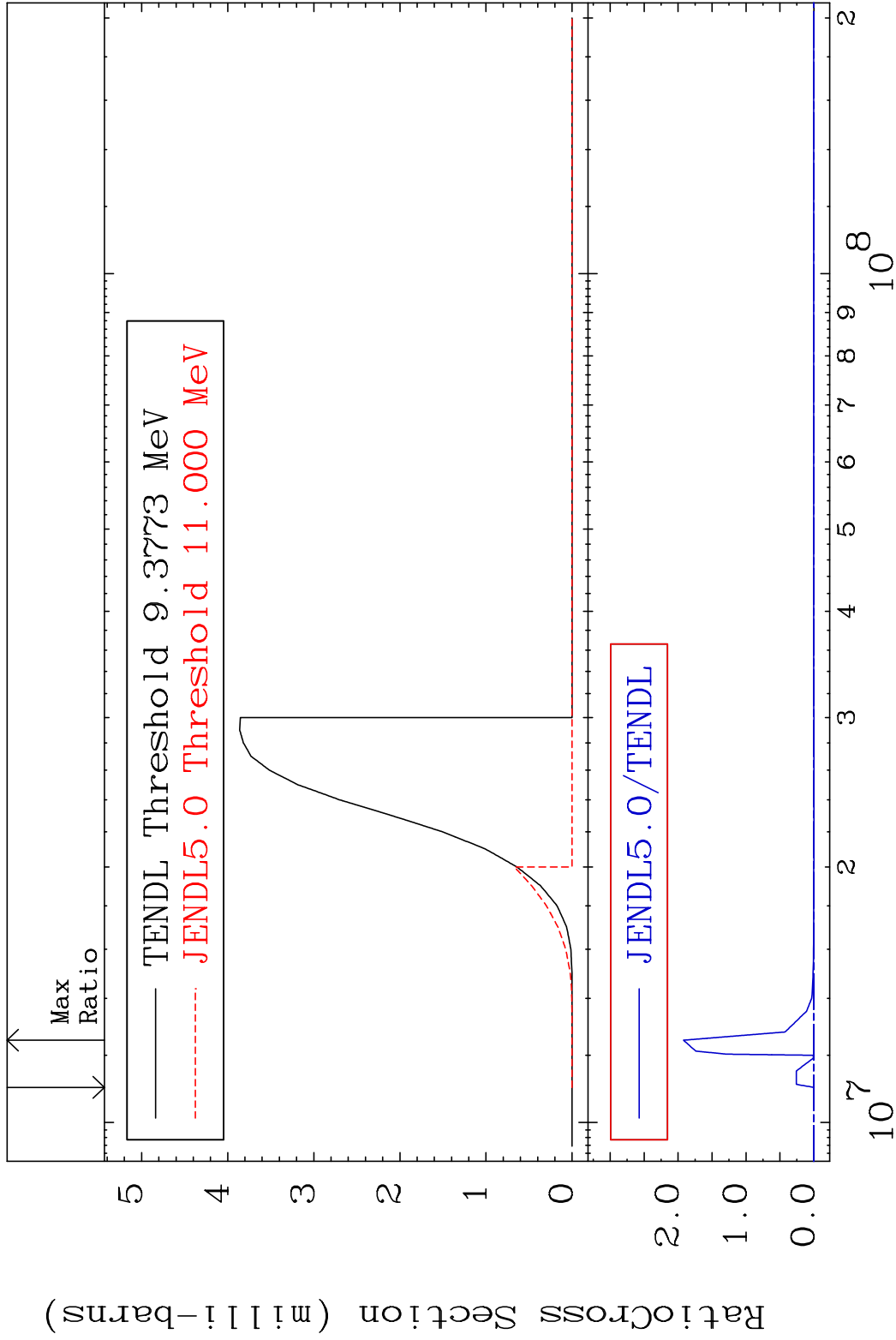




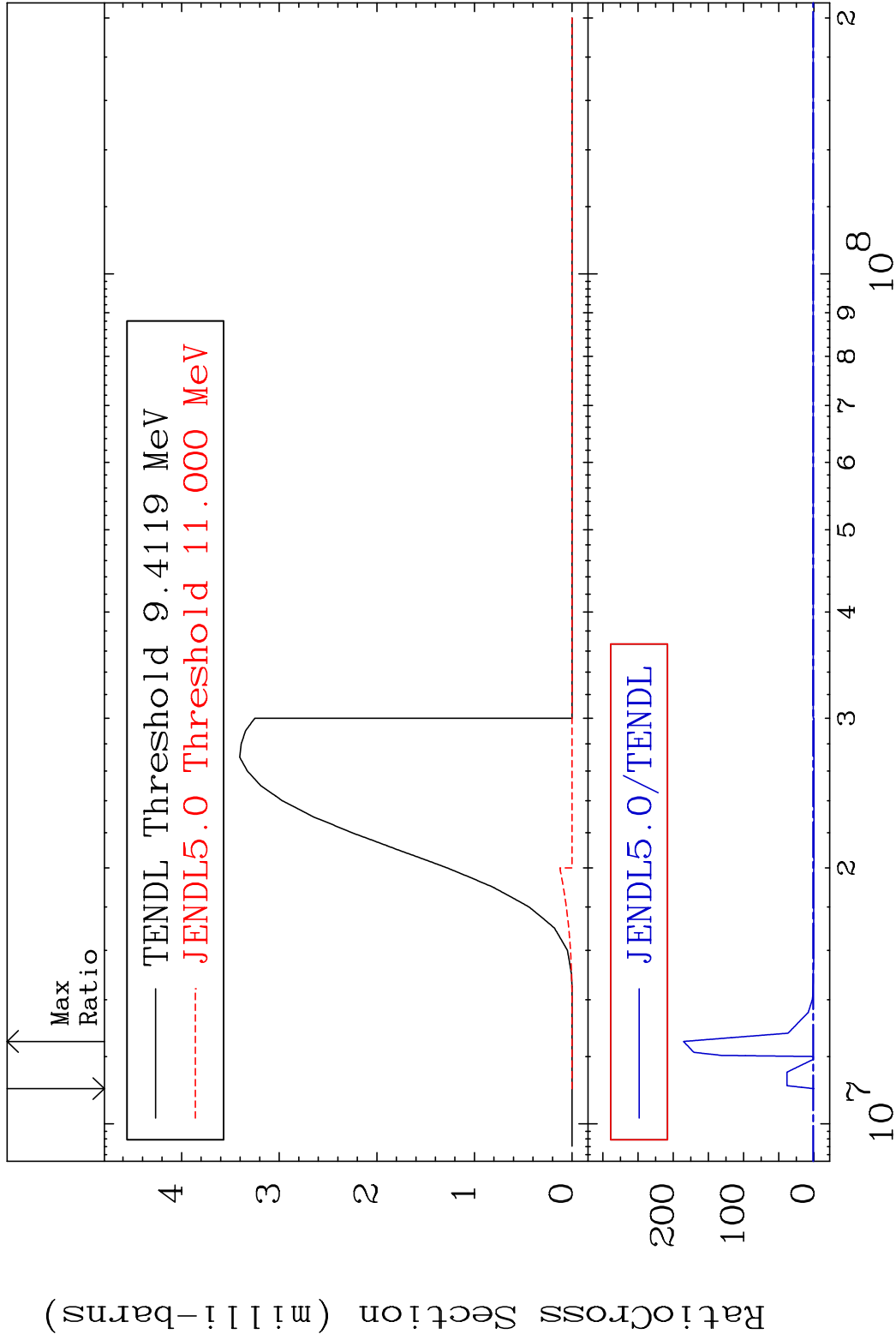
MAT 4431 (n,d):43-Tc-97m1 44-Ru-98
 Radionuclide Production Cross Section 10000 dth 1058. %



55 44-Ru-98

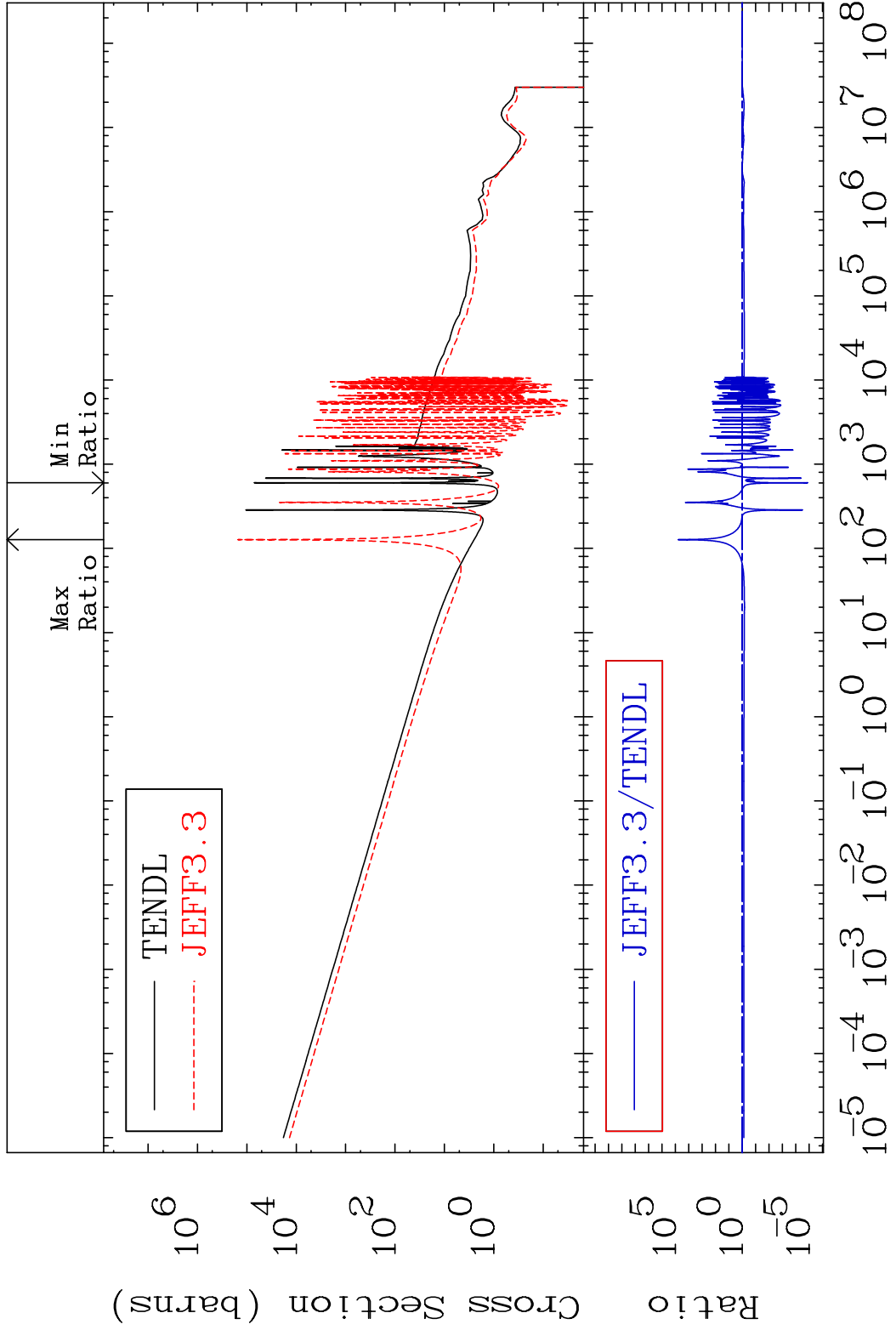


MAT 4431 (n, t): 43-Tc-96m1 44-Ru-98
 Radionuclide Production Cross Section 180000 dth 9999. %



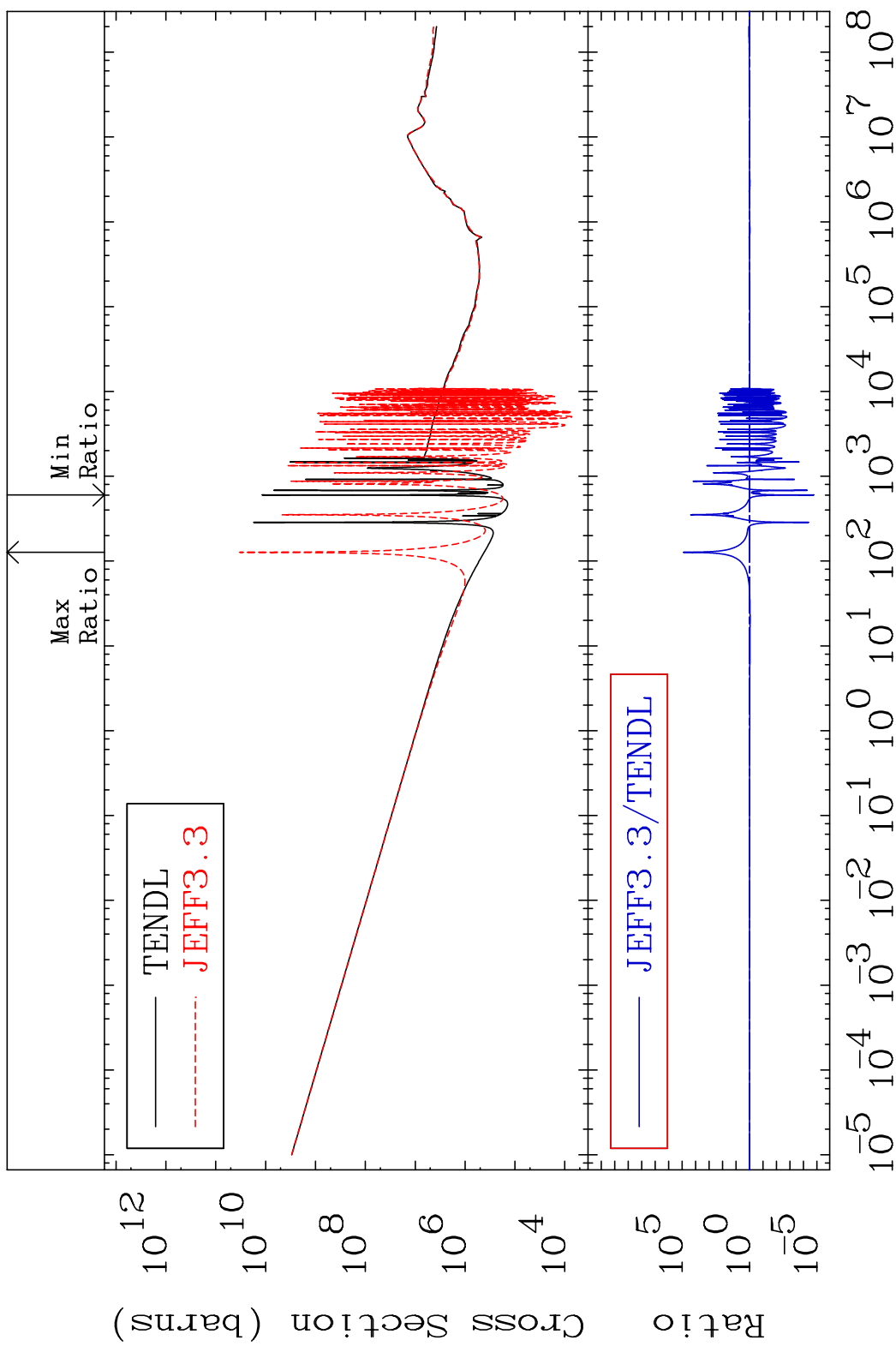
57 Incident Energy (eV) 44-Ru-98

MAT 4431 Kerma capture (mt102) 44-Ru-98
Cross Section -100.0 To 9999. %



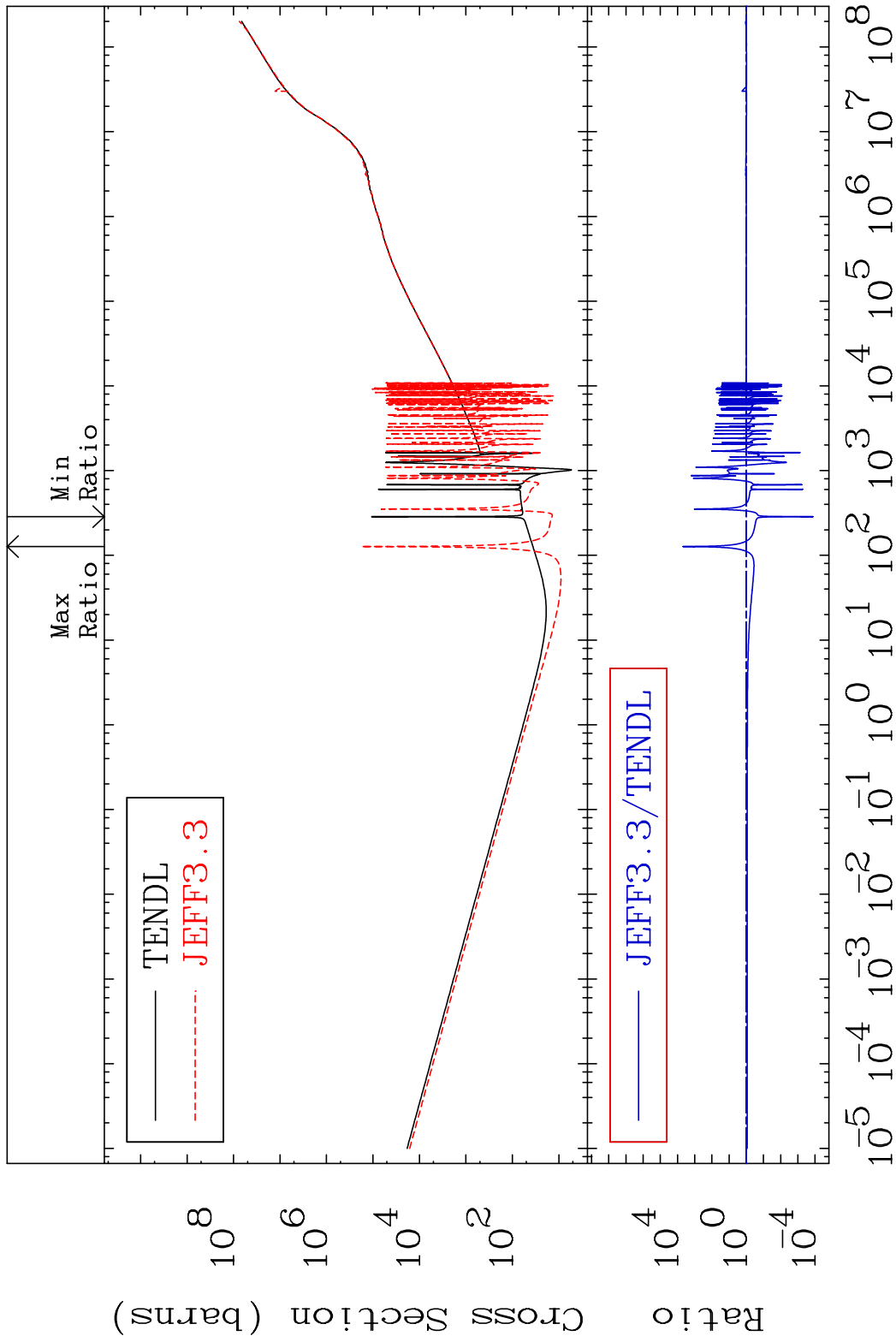
58 Incident Energy (eV) 44-Ru-98

MAT 4431 Total photon (eV-barns) 44-Ru-98
 Cross Section -100.0 To 9999. %



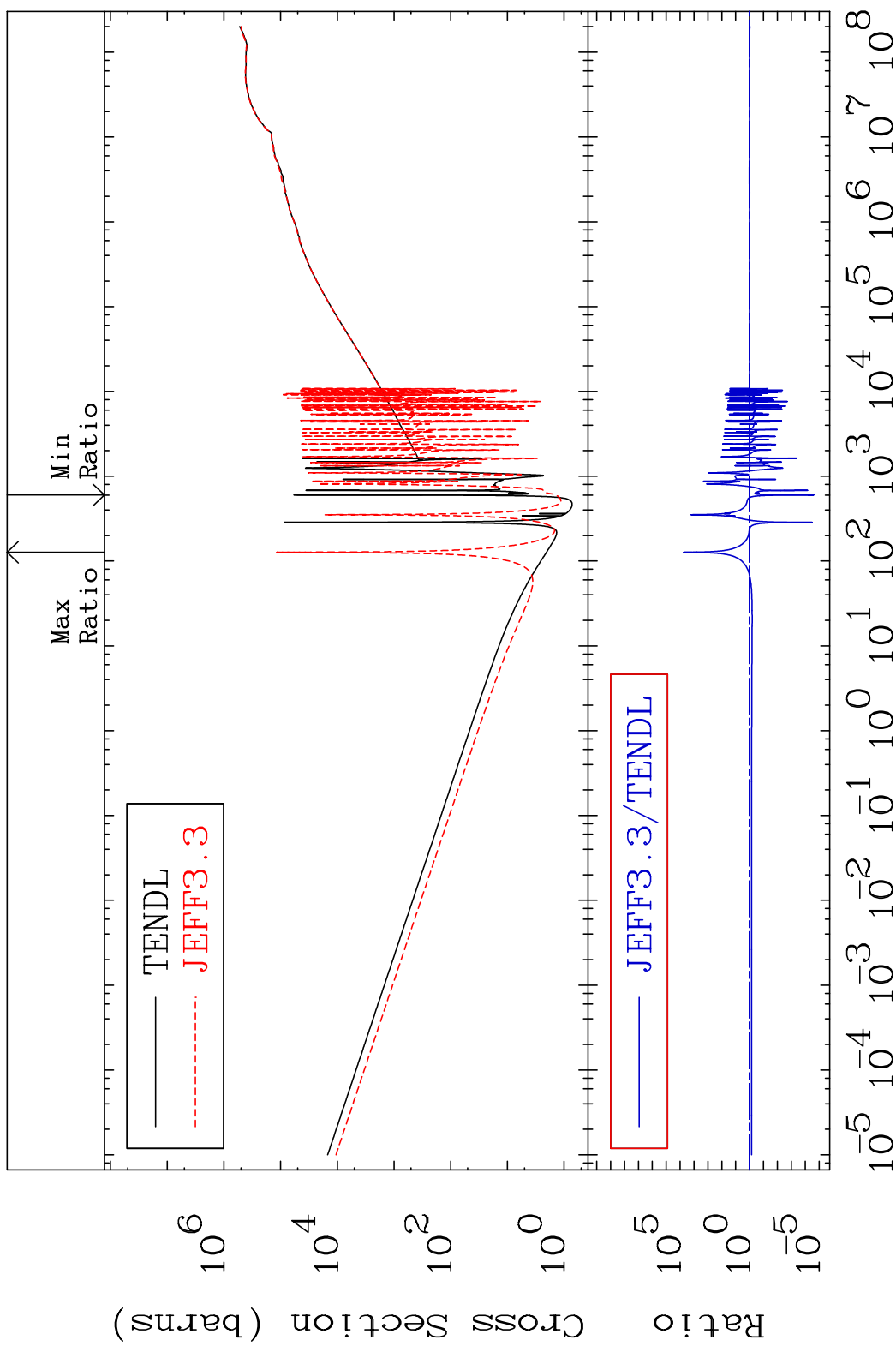
59 Incident Energy (eV) 44-Ru-98

MAT 4431 Total kinematic kerma (high limit) 44-Ru-98
 Cross Section -99.99 To 9999. %



60 Incident Energy (eV) 44-Ru-98

MAT 4431 Dpa total (eV-barns) 44-Ru-98
 Cross Section -100.0 To 9999. %



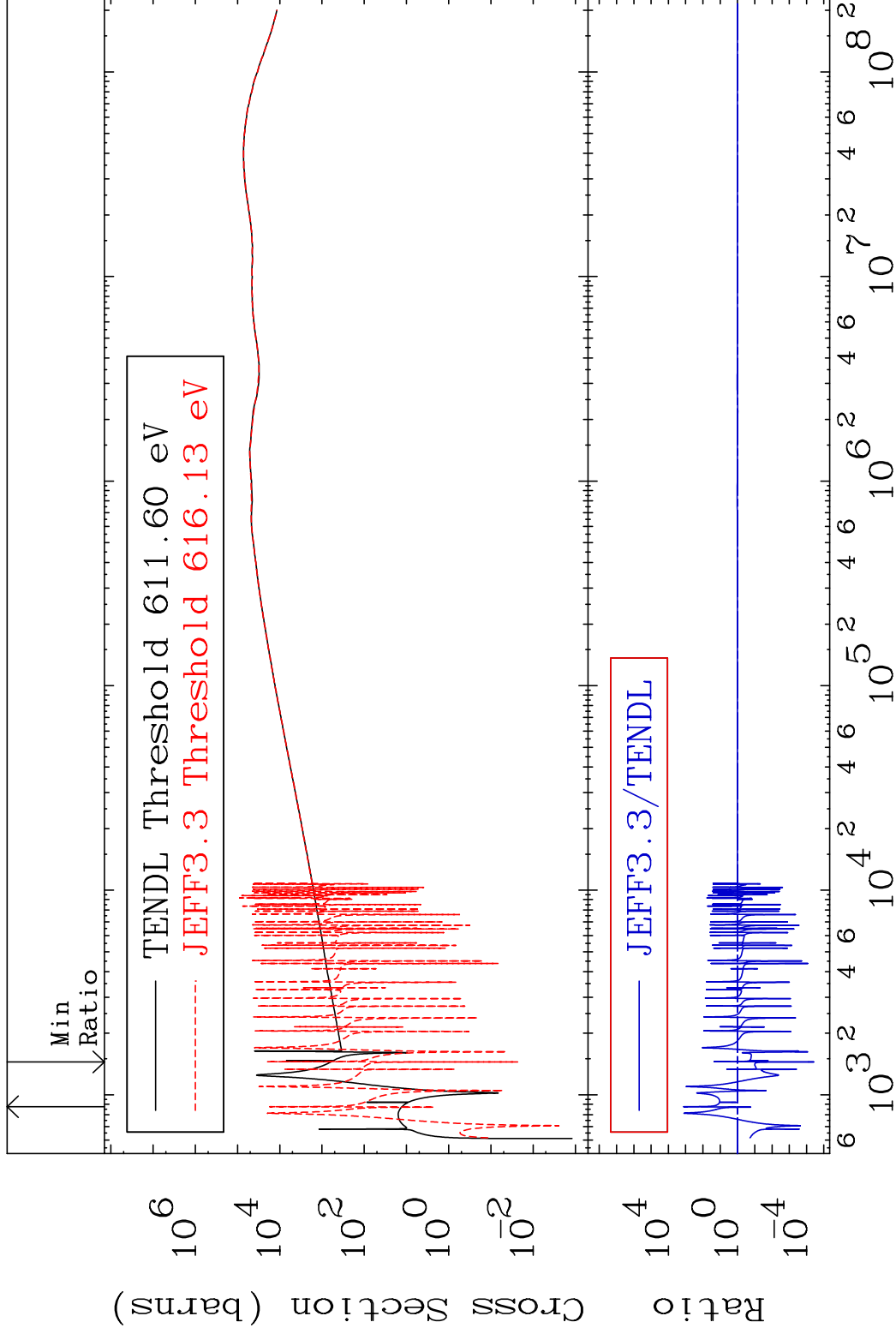
61 Incident Energy (eV) 44-Ru-98

MAT 4431

Dpa elastic (mt2)

44-Ru-98

Cross Section -100.0 To 9999. %

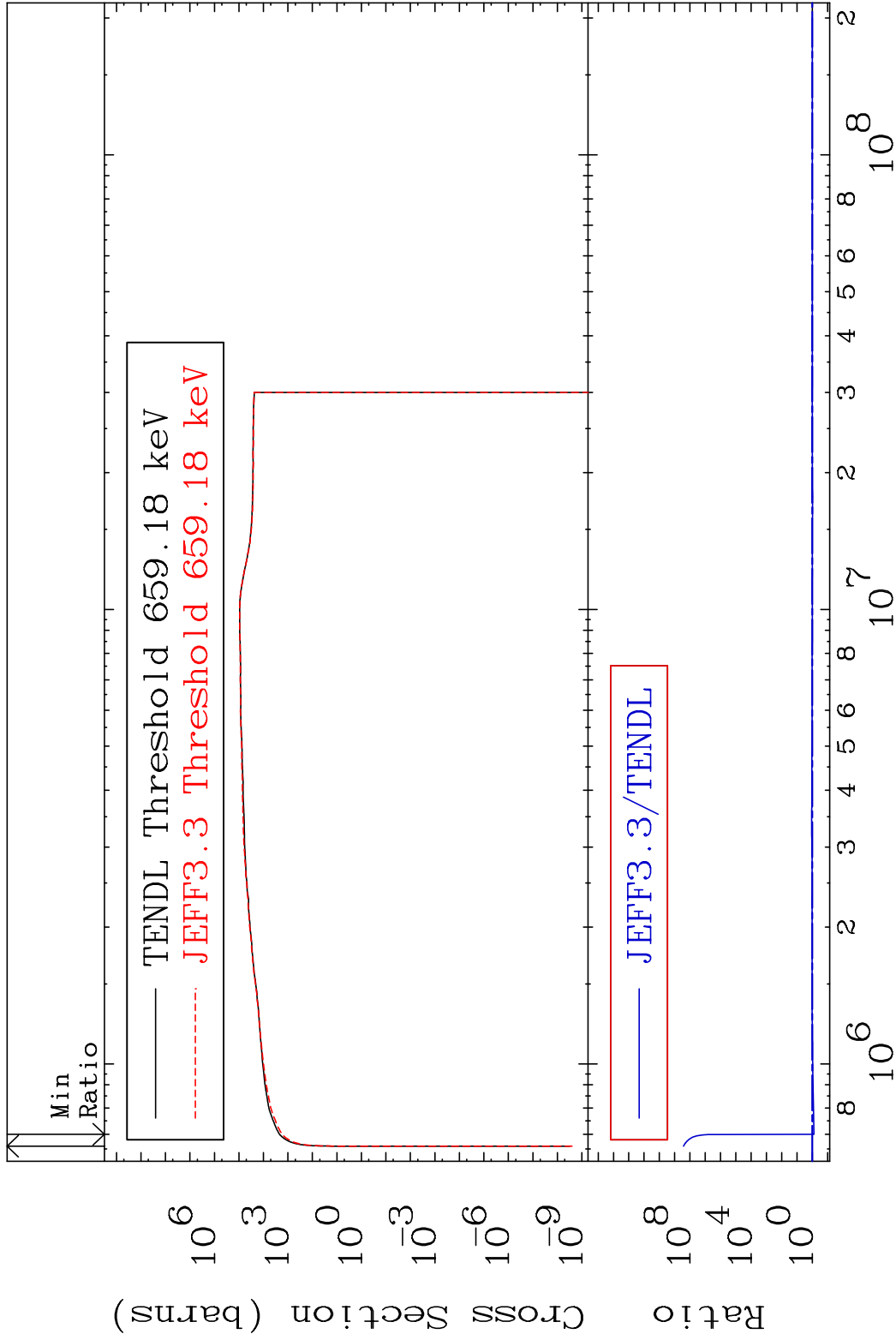


62

Incident Energy (eV)

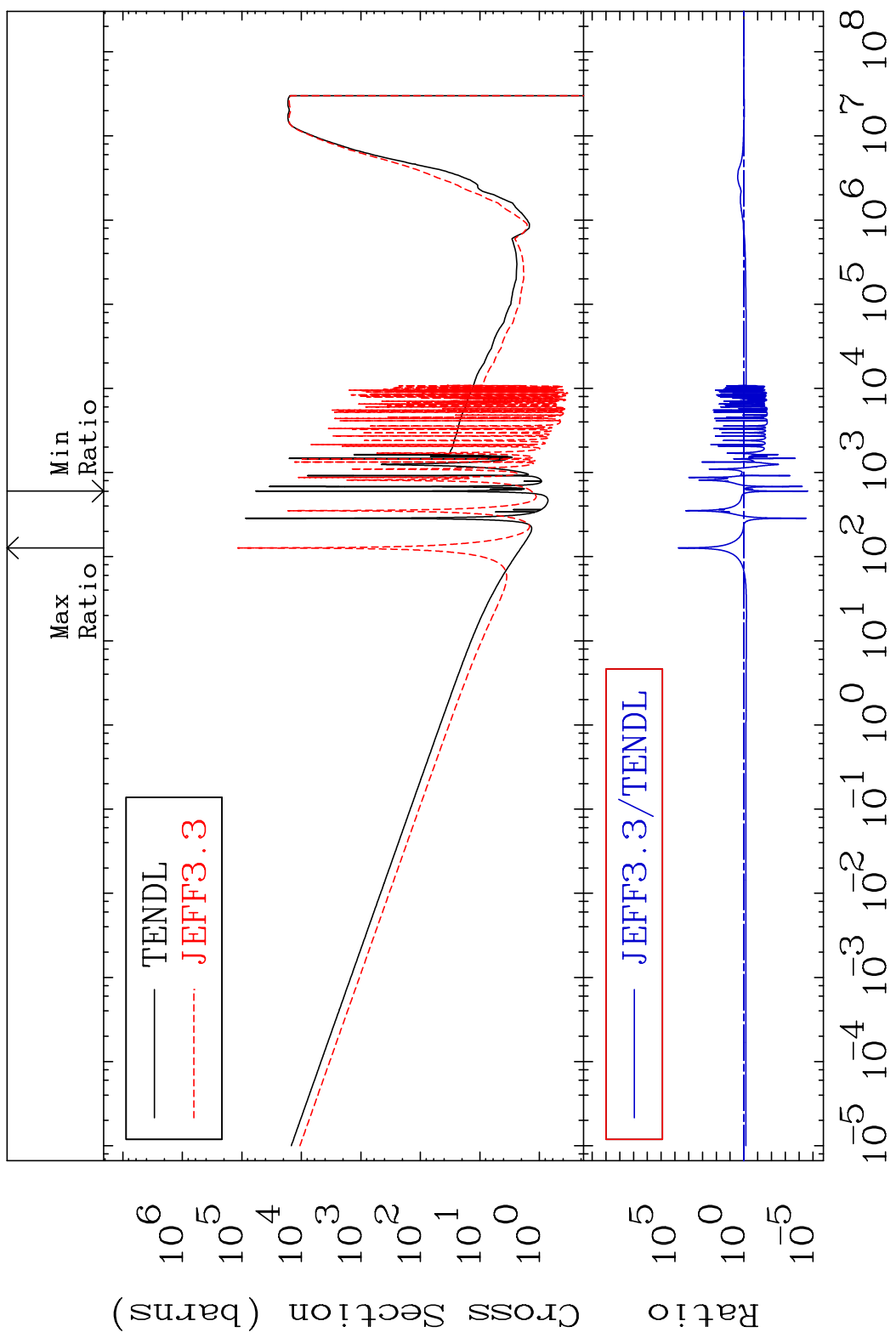
44-Ru-98

MAT 4431 Dpa inelastic (mt51-91) 44-Ru-98
 Cross Section -21.73 To 9999. %

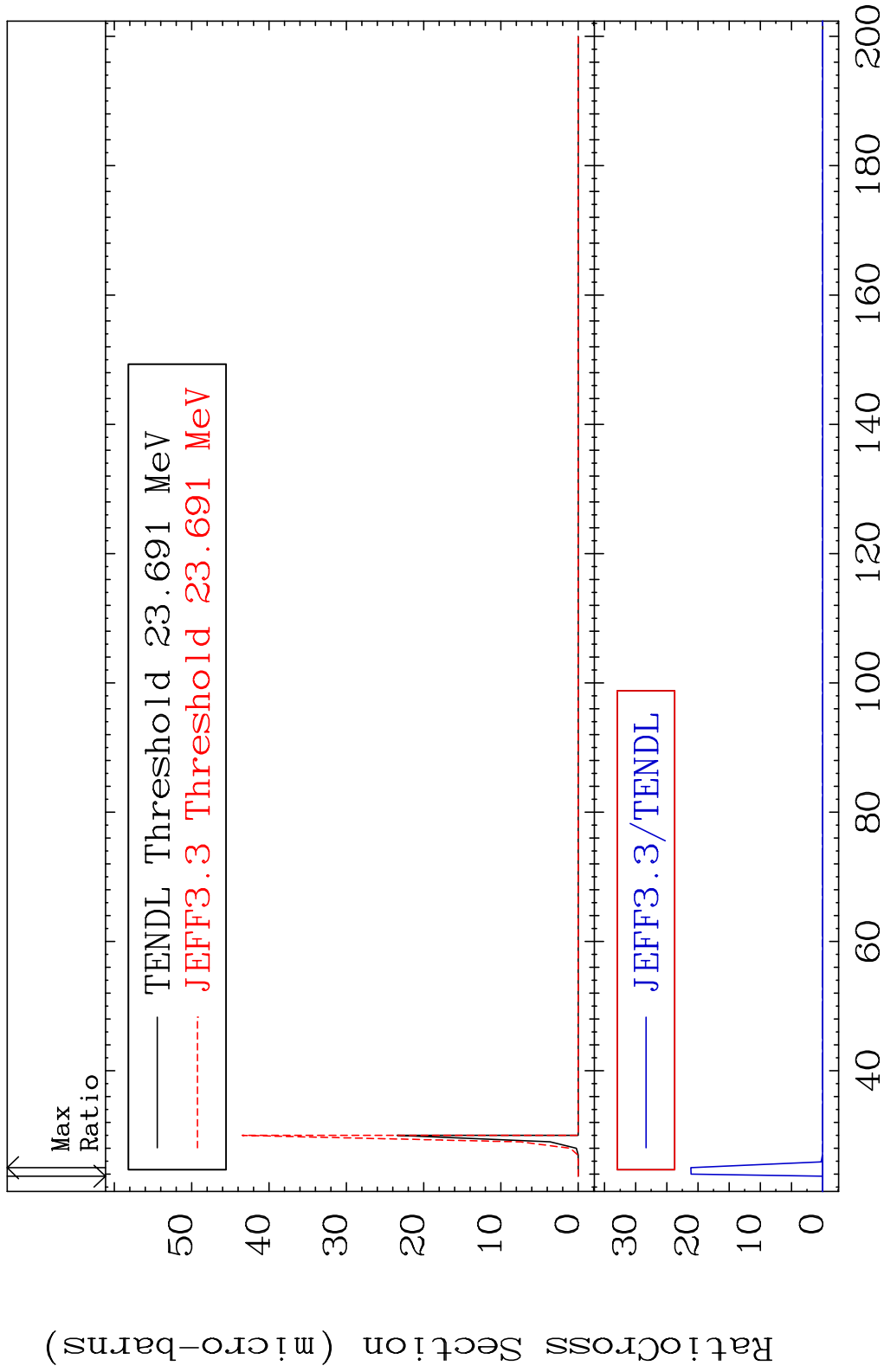


63 Incident Energy (eV) 44-Ru-98

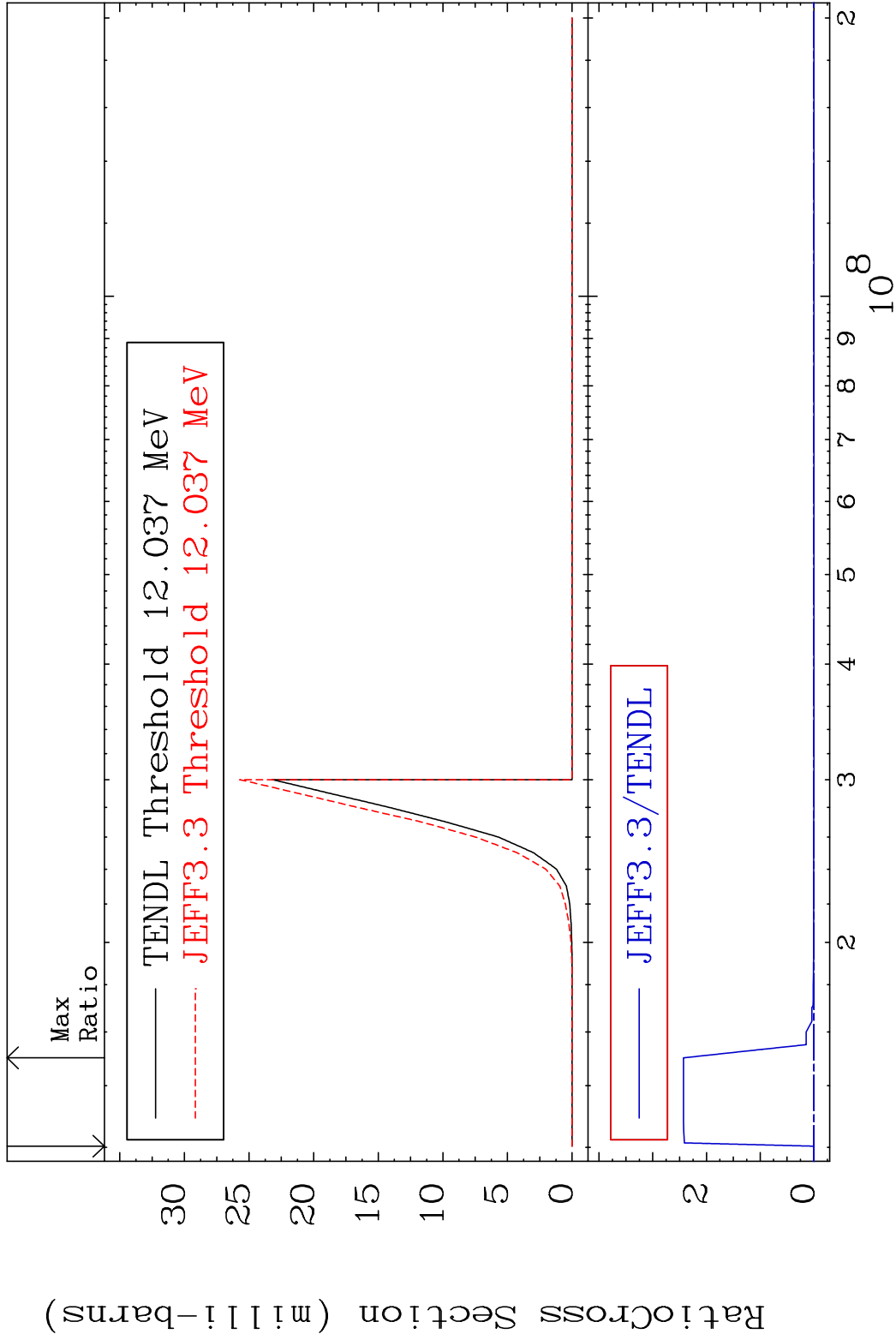
MAT 4431 Dpa disappearance (mt102 -120) 44-Ru-98
 Cross Section -100.0 To 9999. %

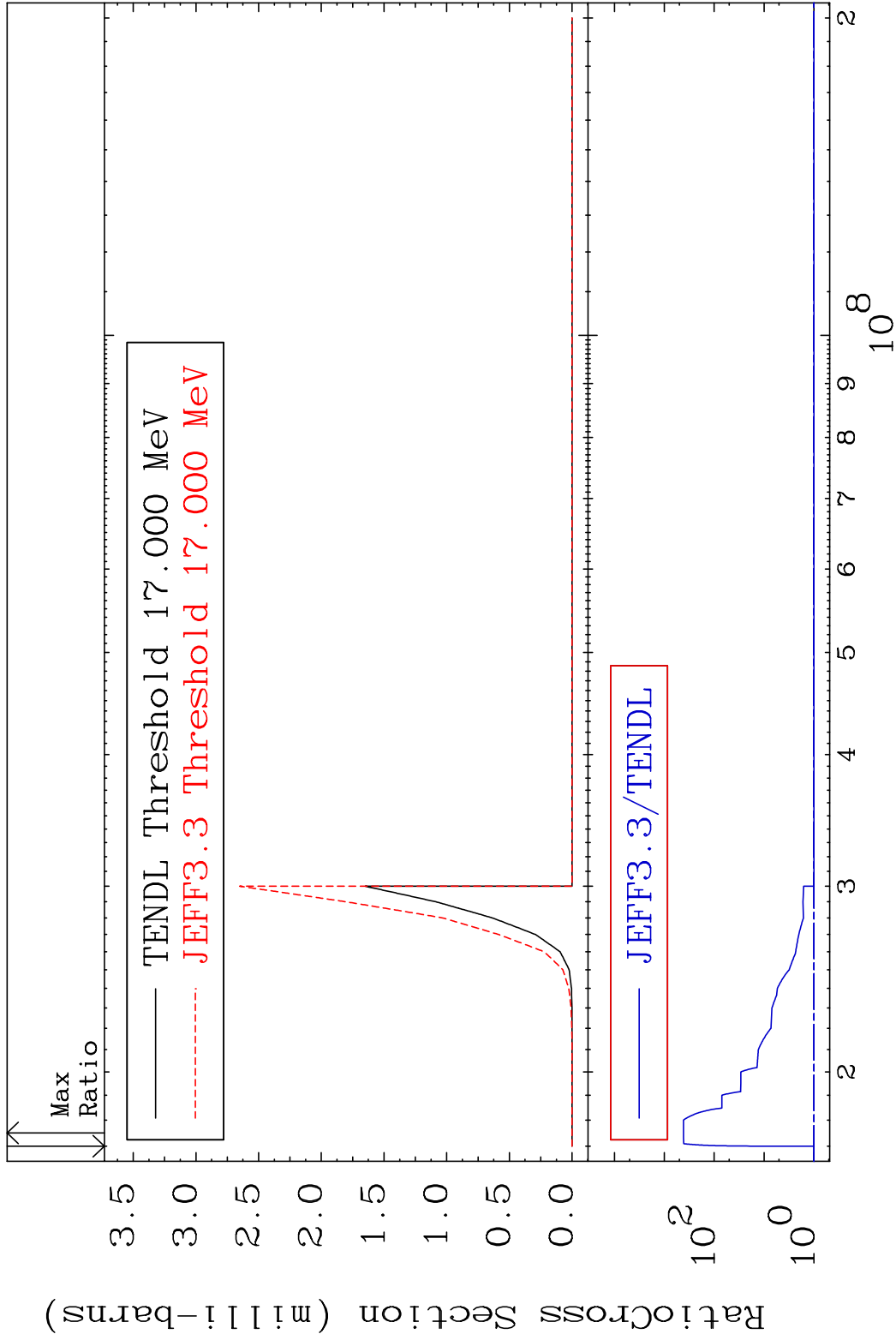


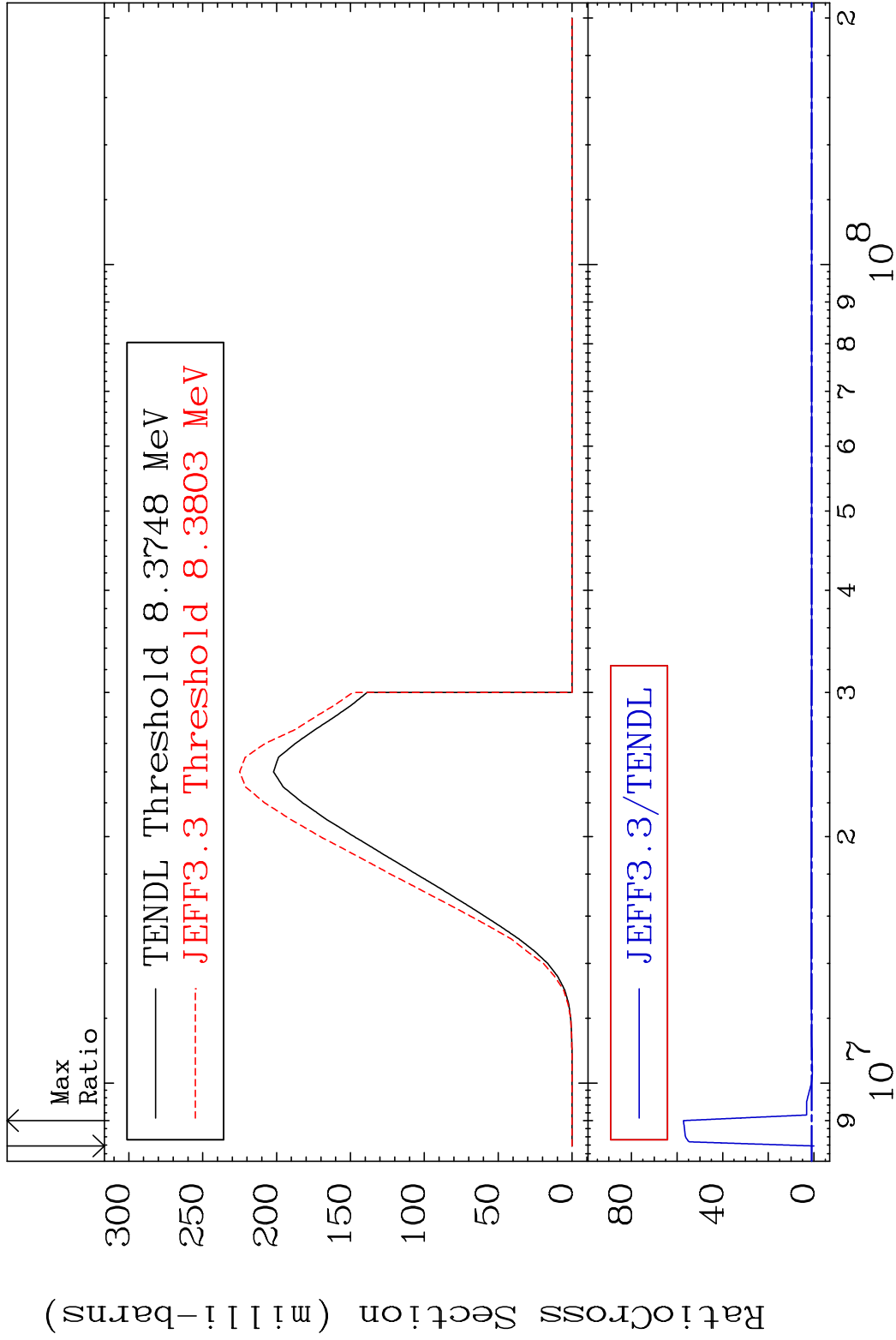
64 Incident Energy (eV) 44-Ru-98



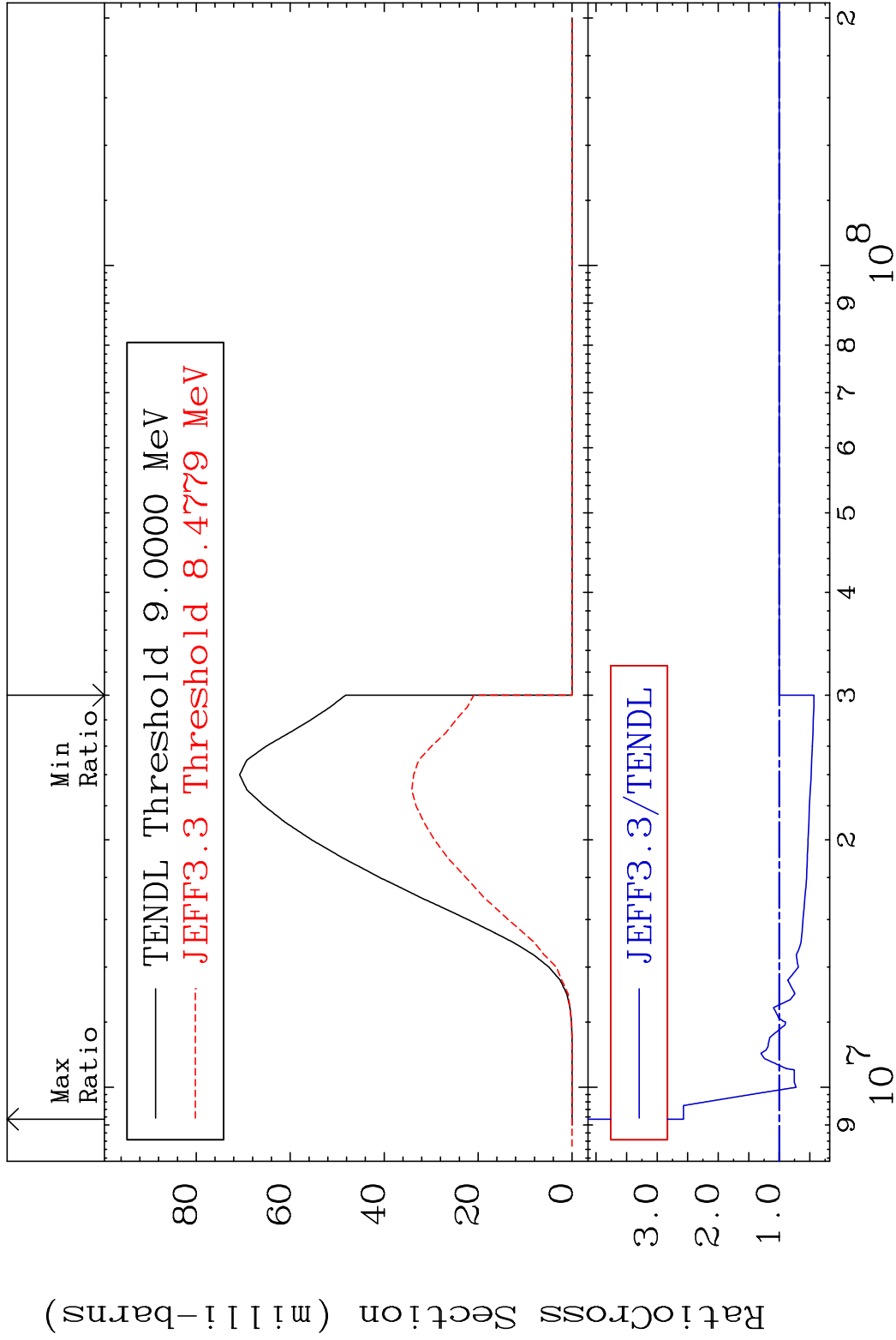
MAT 4431 (n,2n) α :42-Mo-93g 44-Ru-98
 Radionuclide Production Cross Section 180000 dth 9999. %





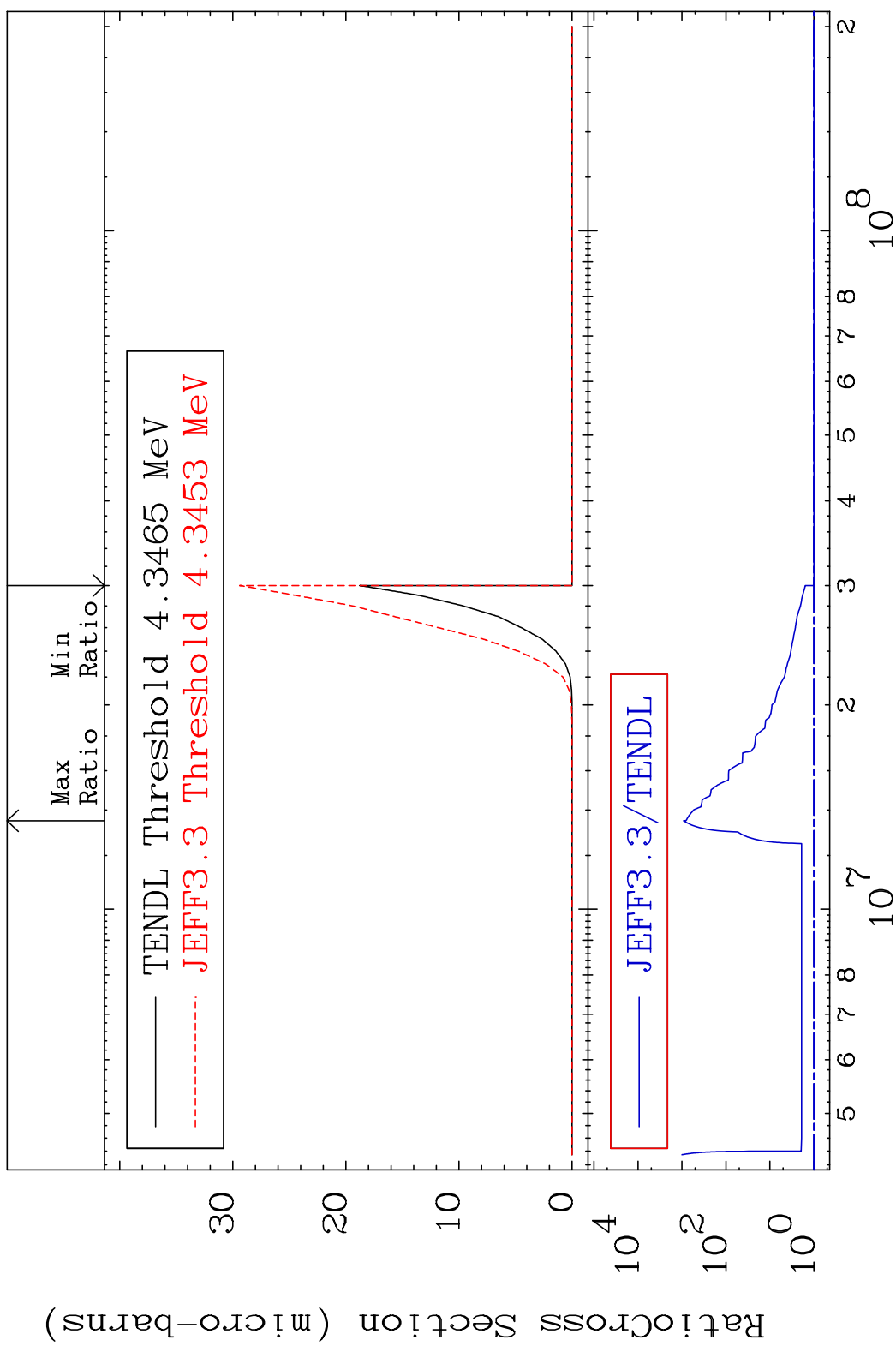


MAT 4431 (n, n') p:43-Tc-97m1 44-Ru-98
 Radionuclide Production Cross Section 56.63 dtd 156.9 %

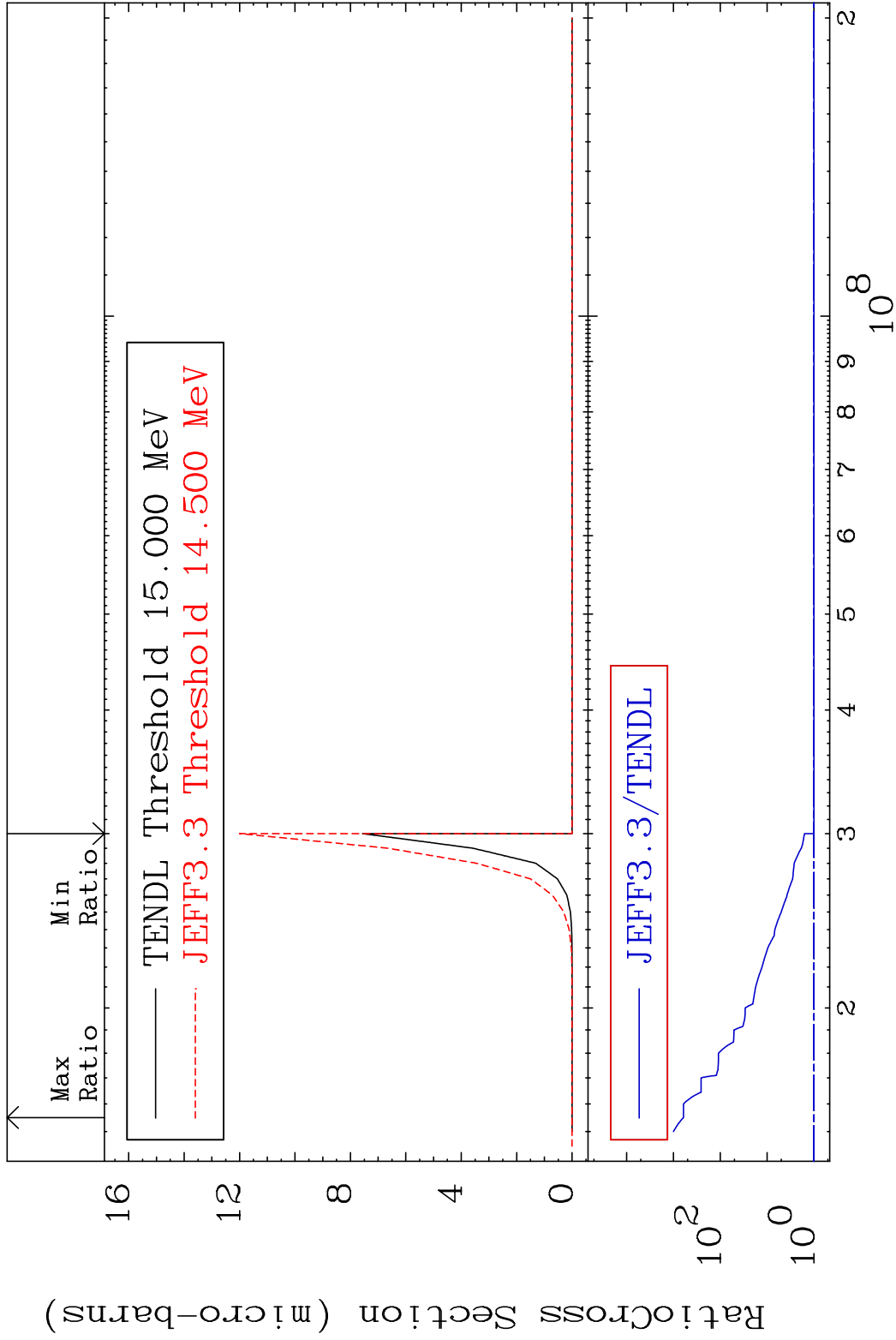


70 Incident Energy (eV) 44-Ru-98

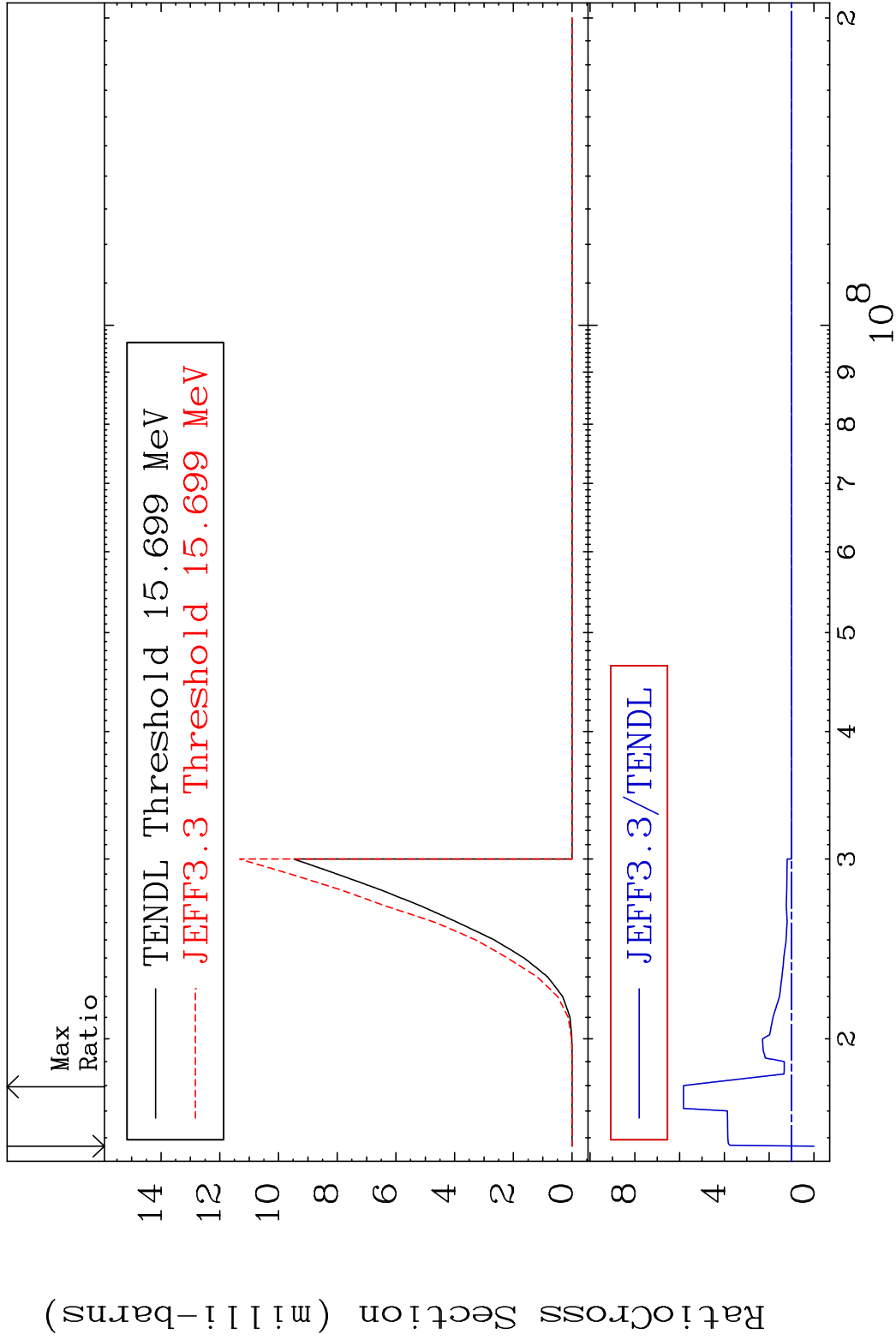
MAT 4431 (n, n') 2α : 40-Zr-90g 44-Ru-98
 Radionuclide Production Cross Section 9999. %



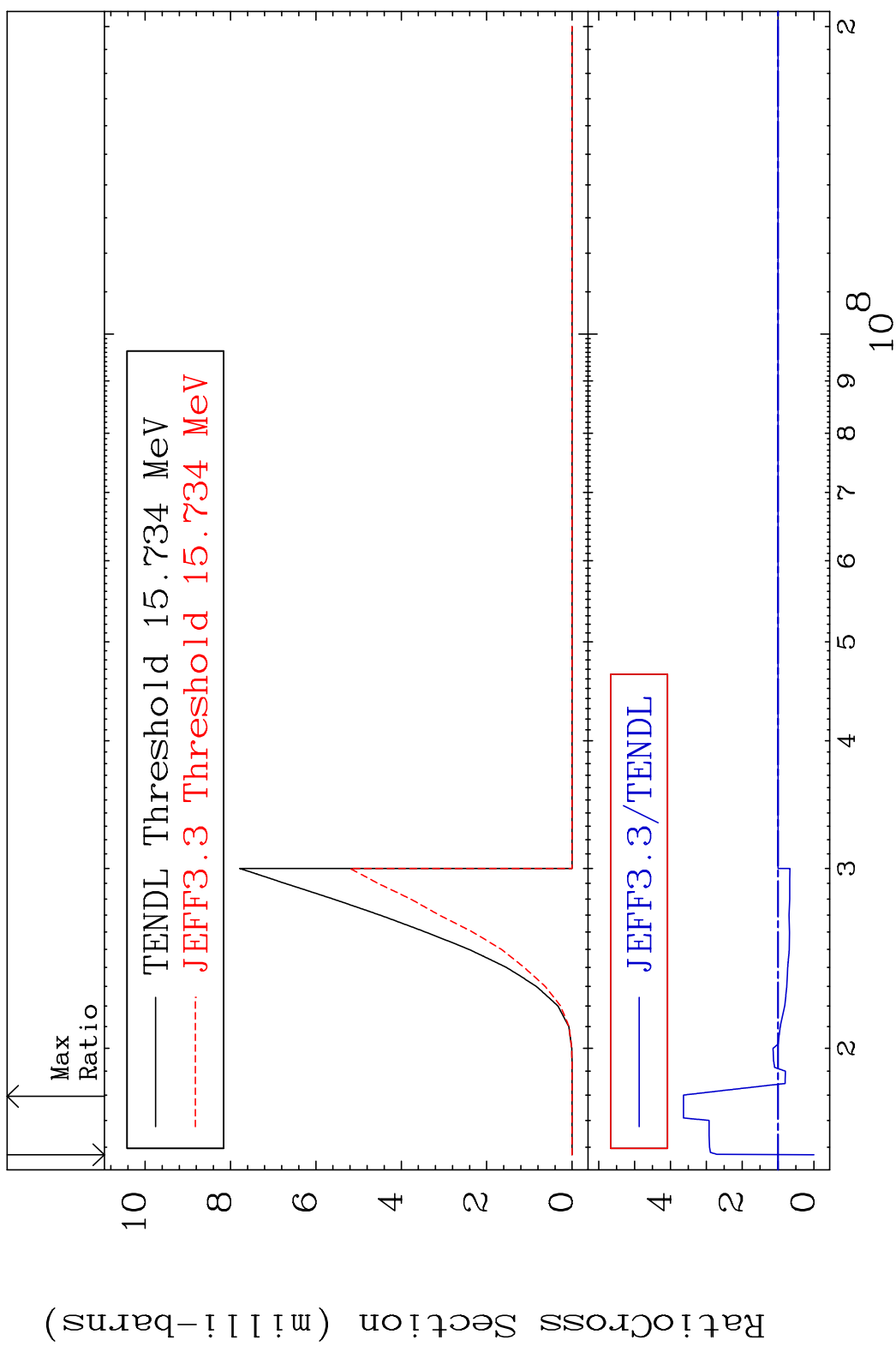
71 Incident Energy (eV) 44-Ru-98



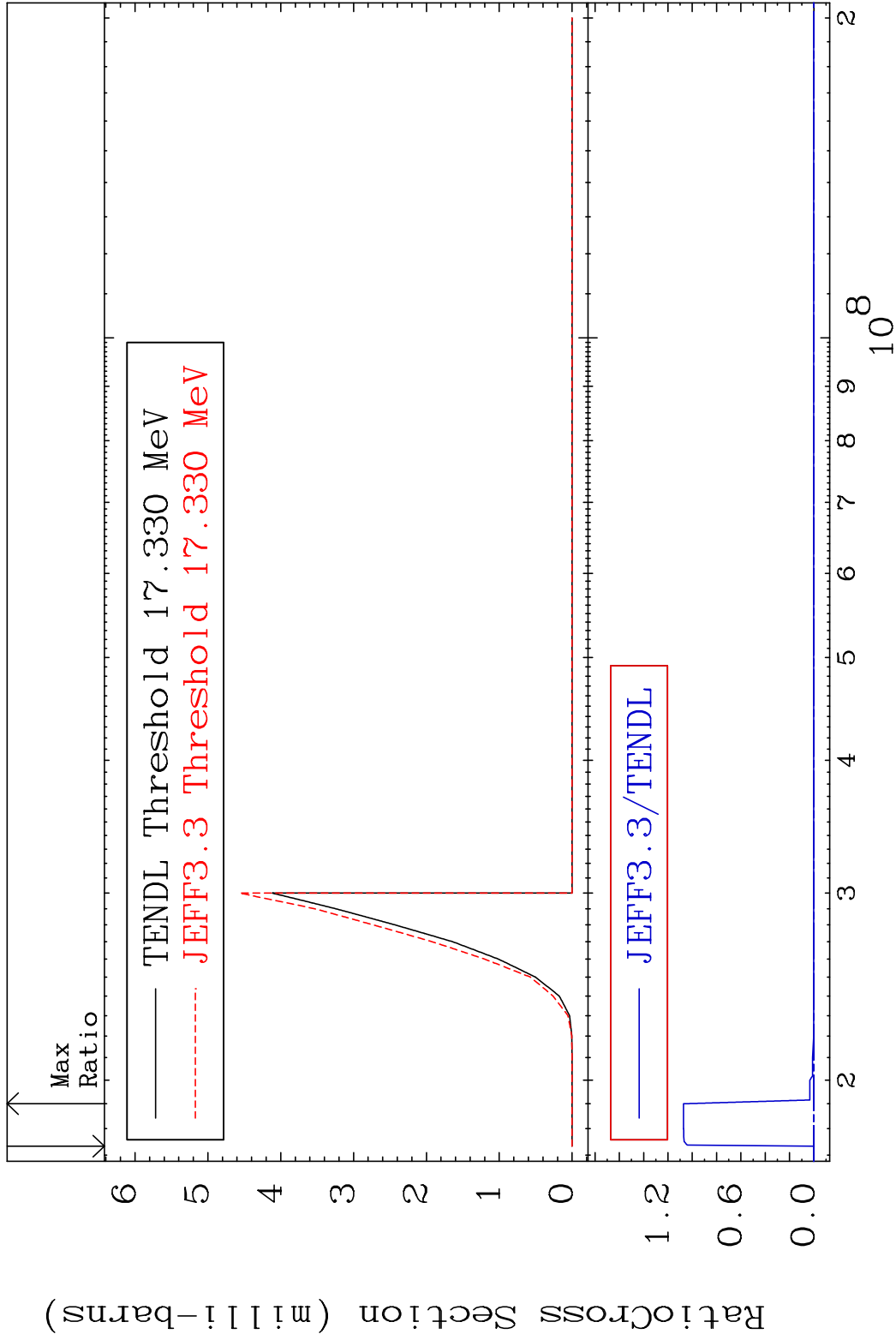
MAT 4431 (n, n') d:43-Tc-96g 44-Ru-98
 Radionuclide Production Cross Section 180000 dth 482.7 %



MAT 4431 (n, n') d:43-Tc-96m1 44-Ru-98
 Radionuclide Production Cross Section 180000 dth 263.6 %

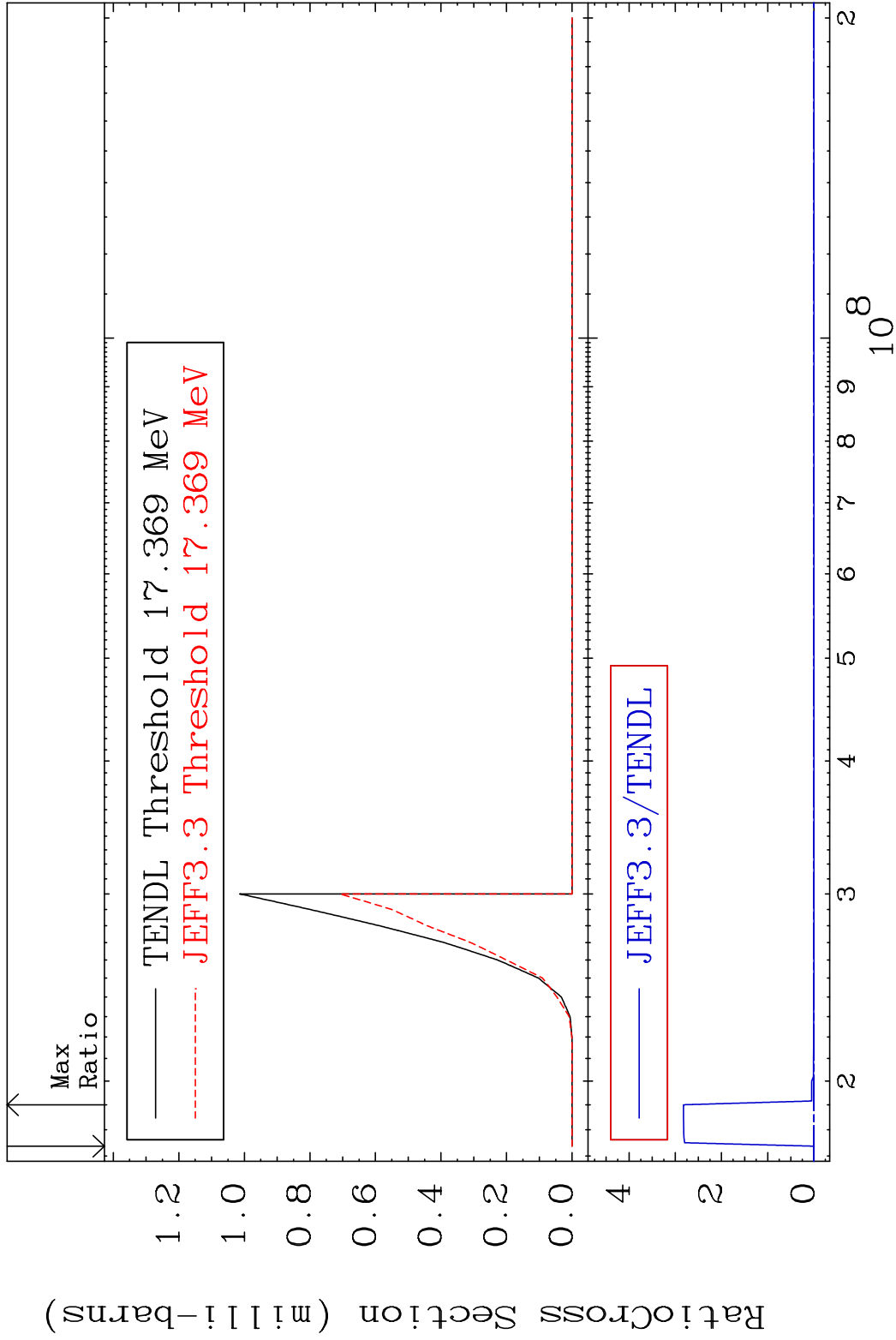


MAT 4431 (n, n') t:43-Tc-95g 44-Ru-98
 Radionuclide Production Cross Section 180000 dth 9999. %

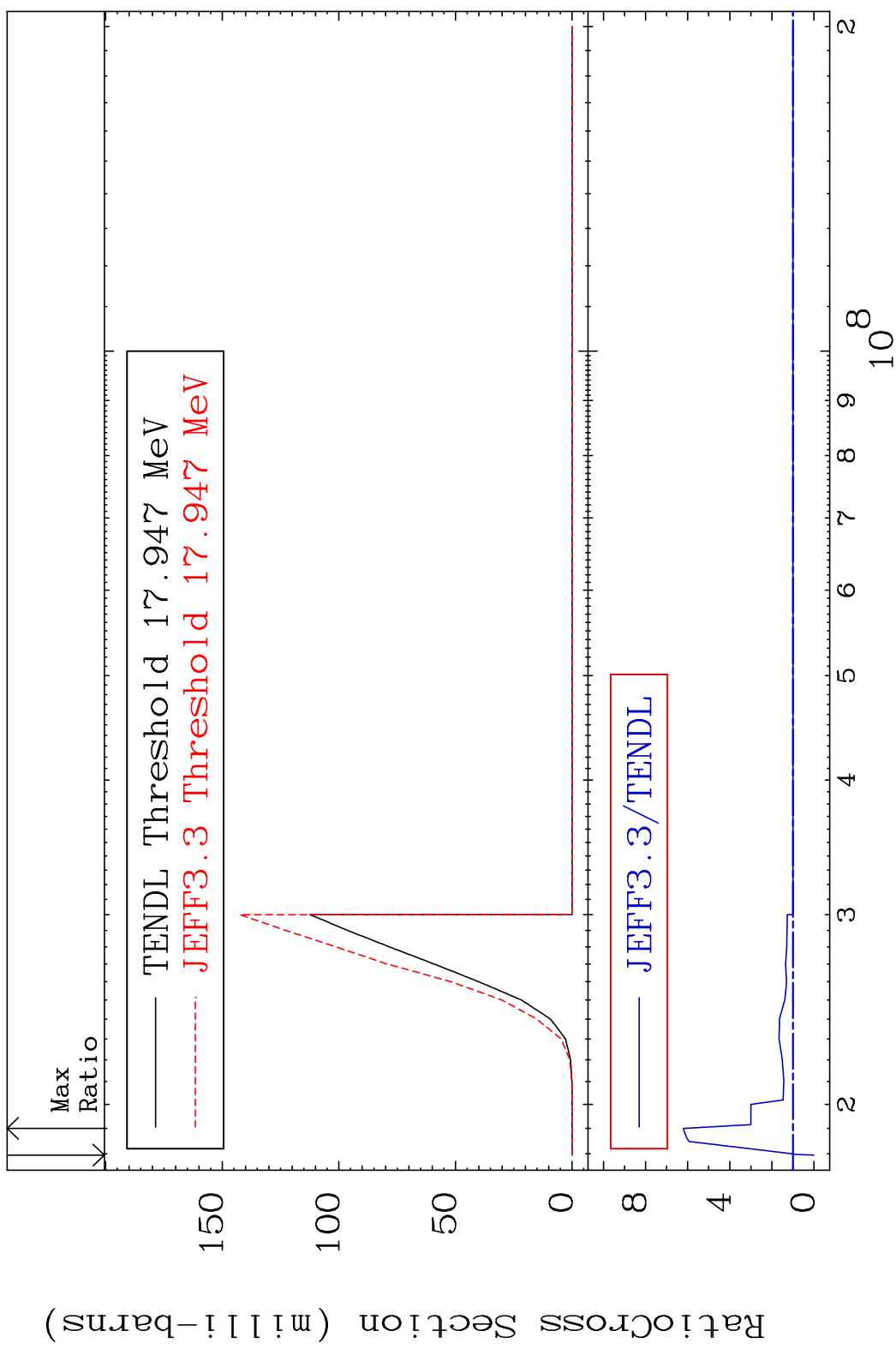


75 Incident Energy (eV) 44-Ru-98

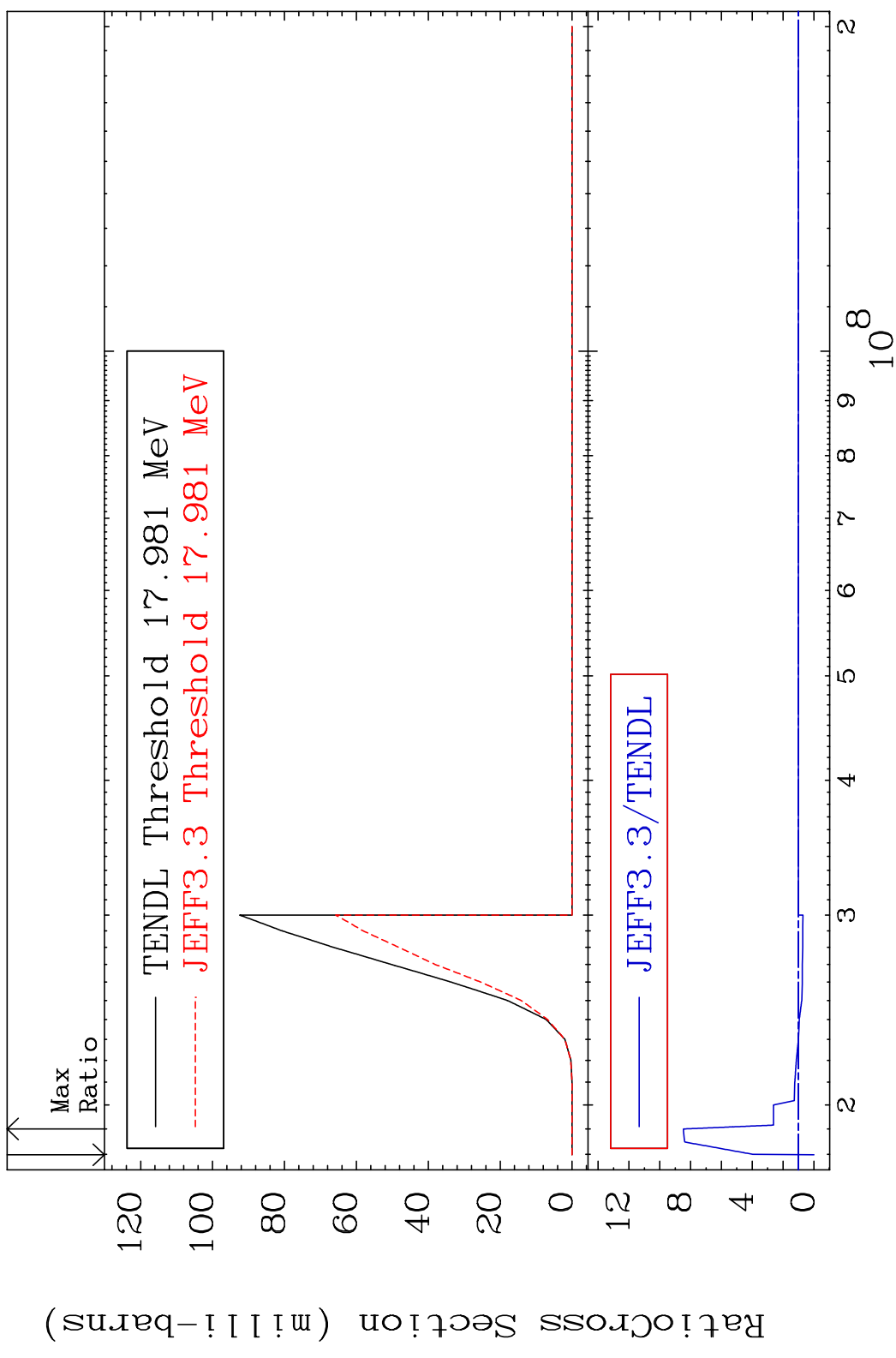
MAT 4431 (n, n') t:43-Tc-95m1 44-Ru-98
 Radionuclide Production Cross Section 10000 dth 9999. %

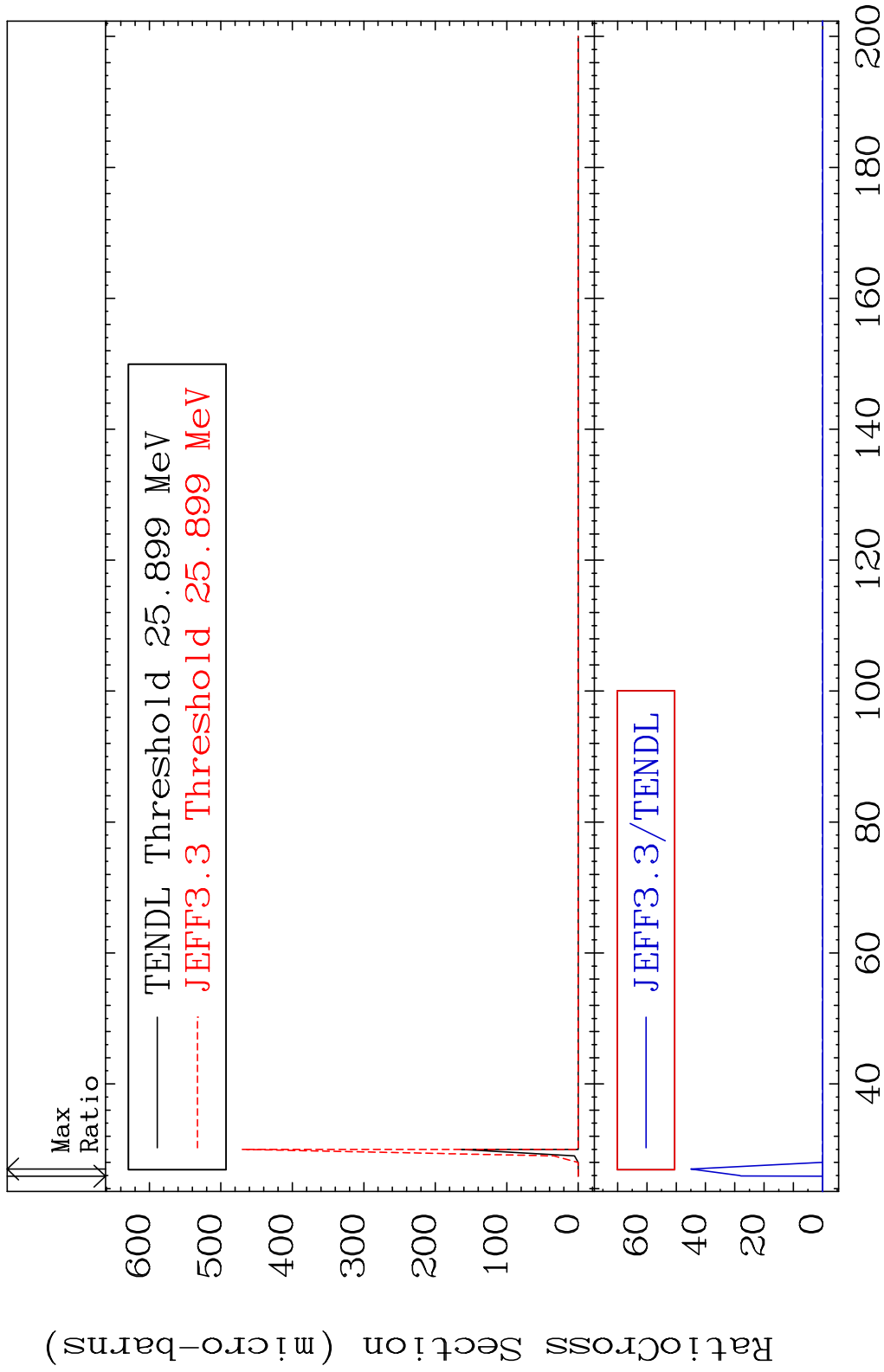


MAT 4431 (n,2n) p:43-Tc-96g 44-Ru-98
 Radionuclide Production Cross Section 180000 dth 520.2 %

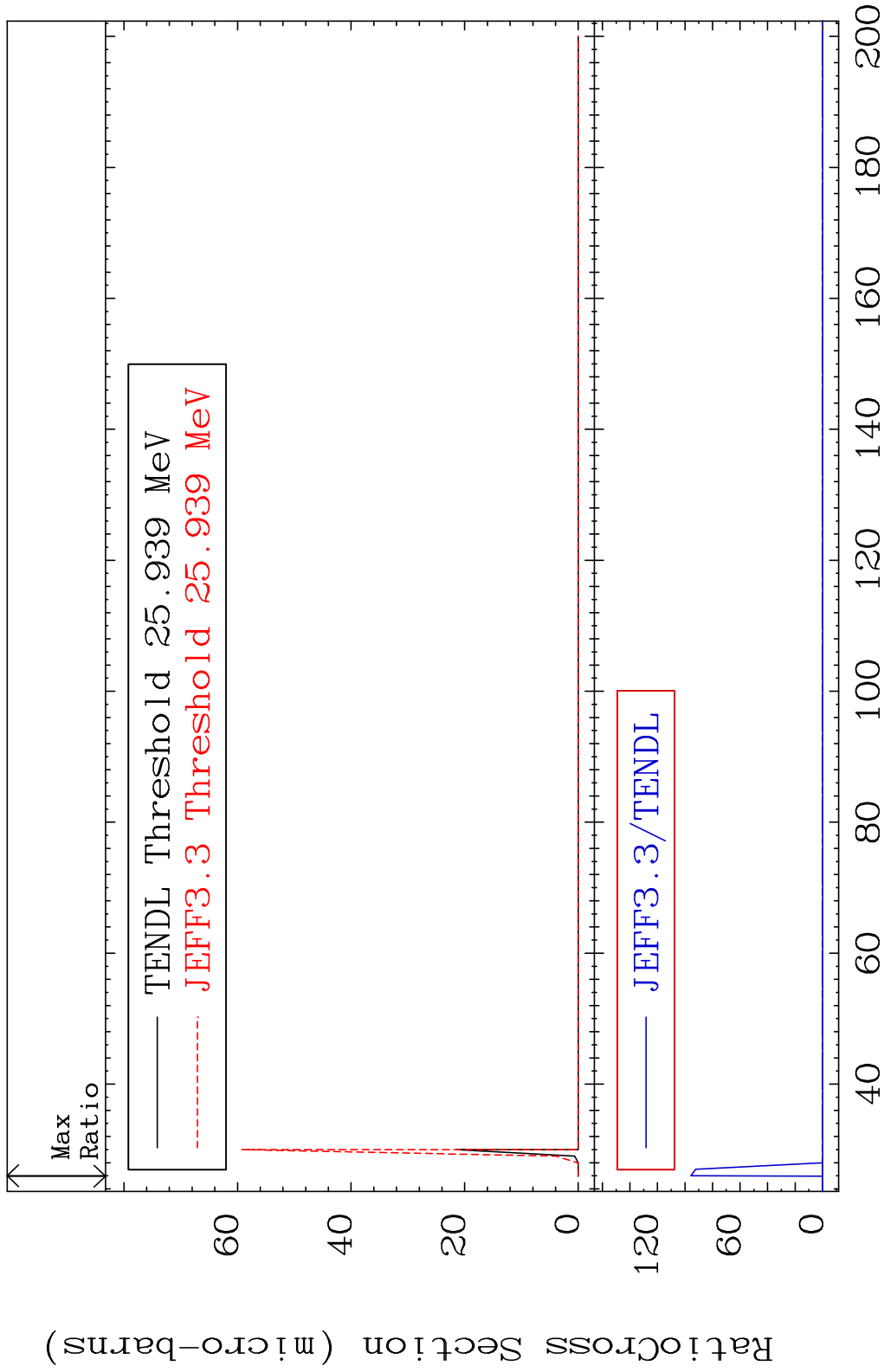


MAT 4431 (n,2n) p:43-Tc-96m1 44-Ru-98
 Radionuclide Production Cross Section 180000 d10 746.2 %

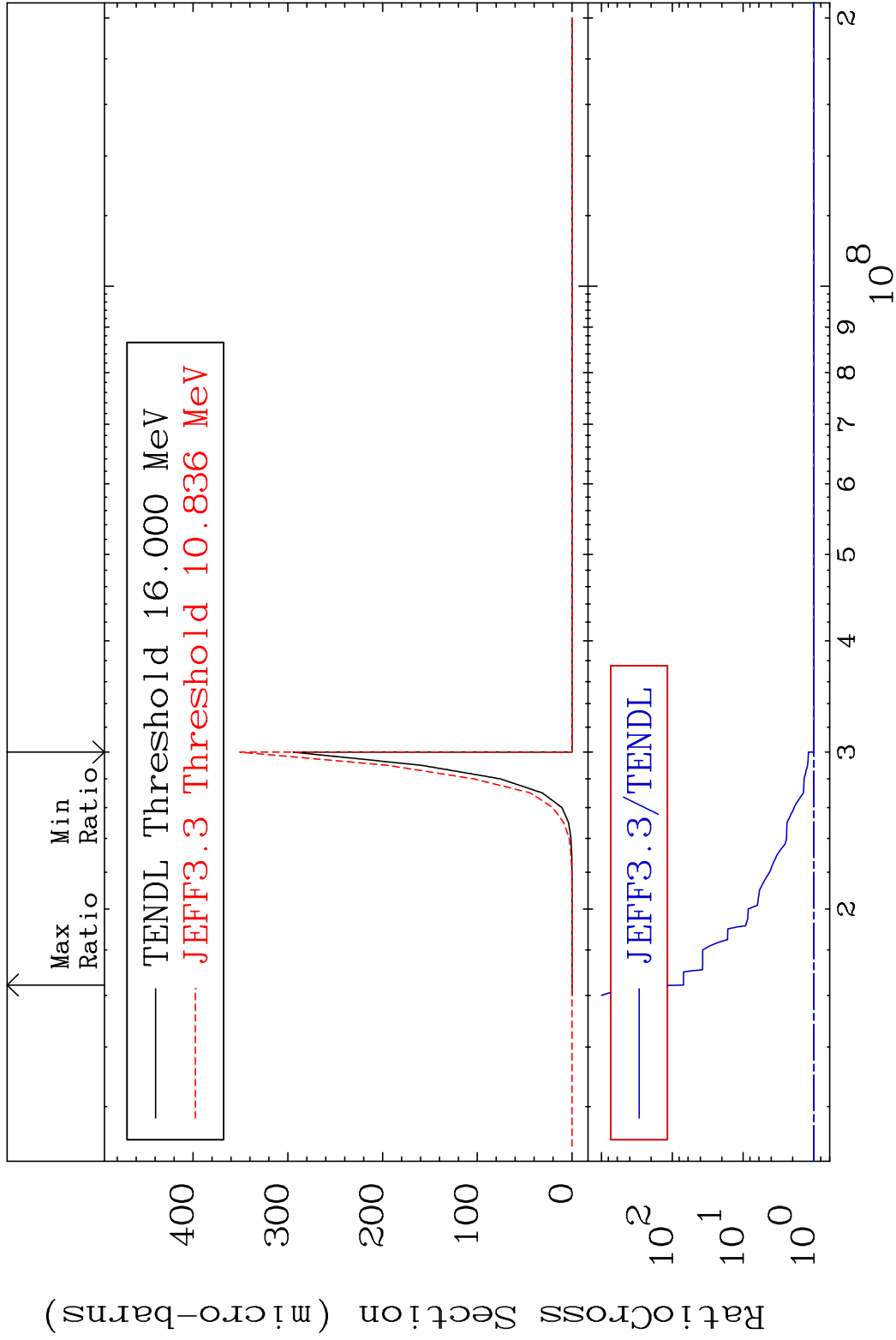


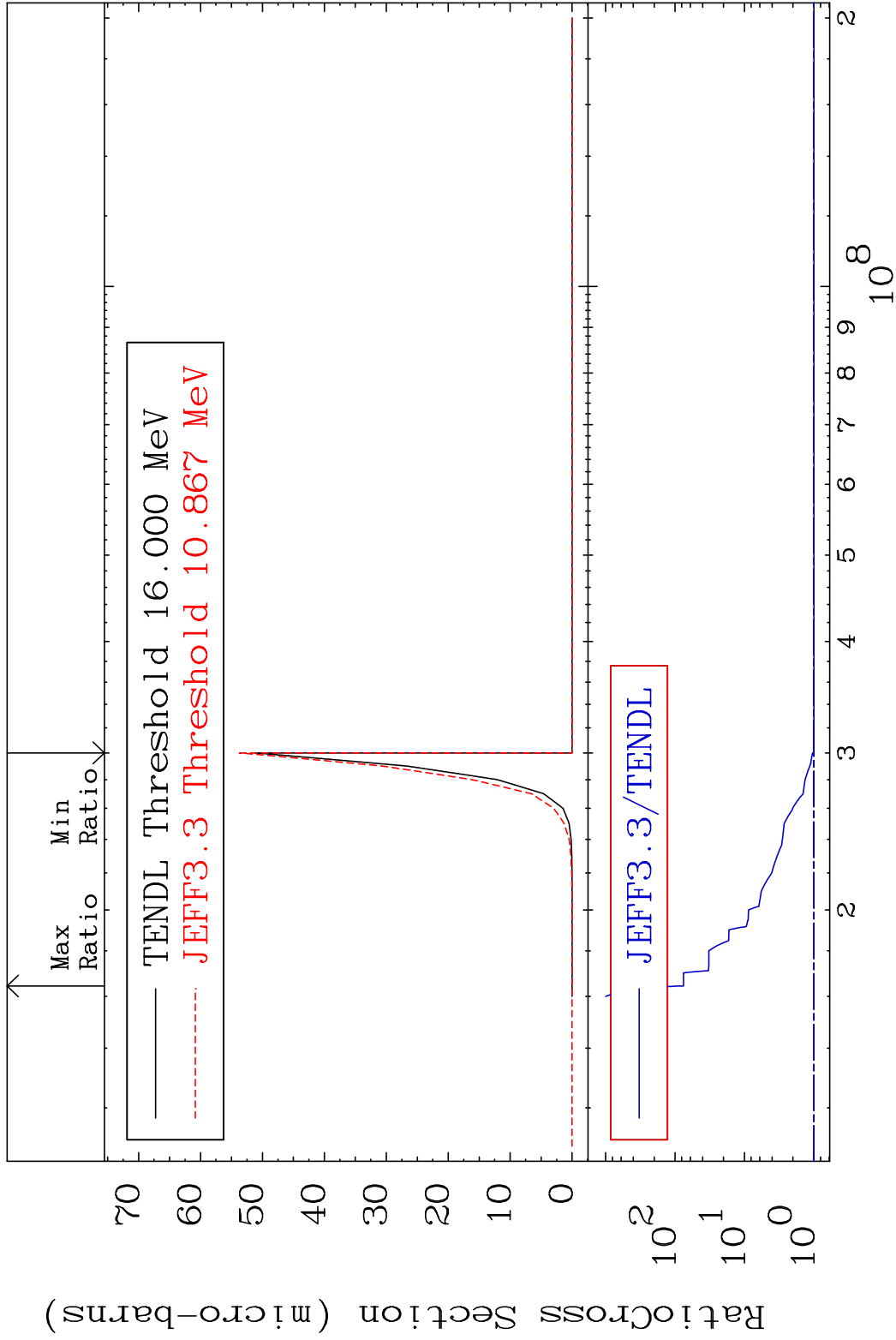


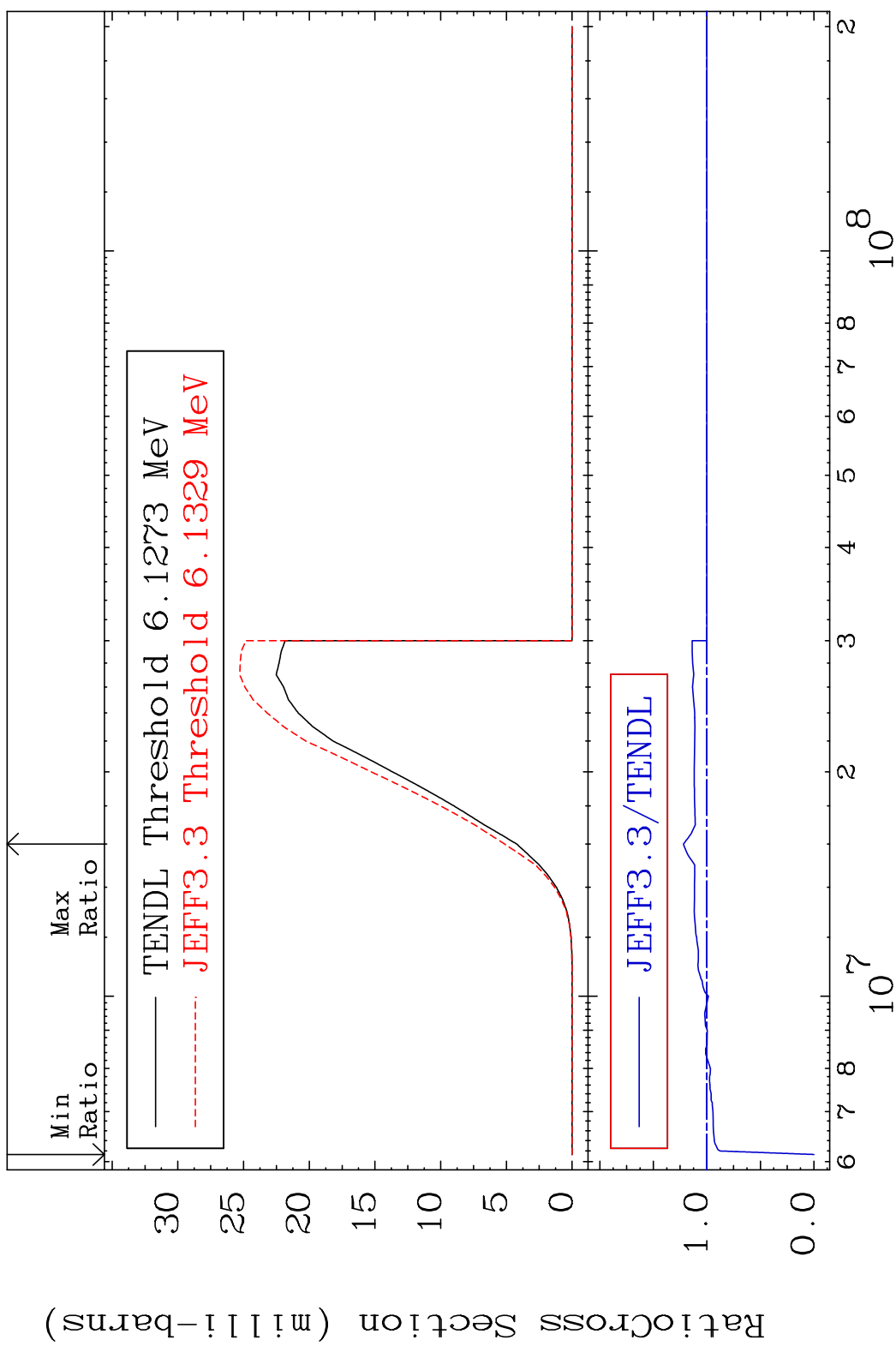
MAT 4431 (n,3n) p:43-Tc-95m1 44-Ru-98
Radionuclide Production Cross Section 10000 dtd 9999. %



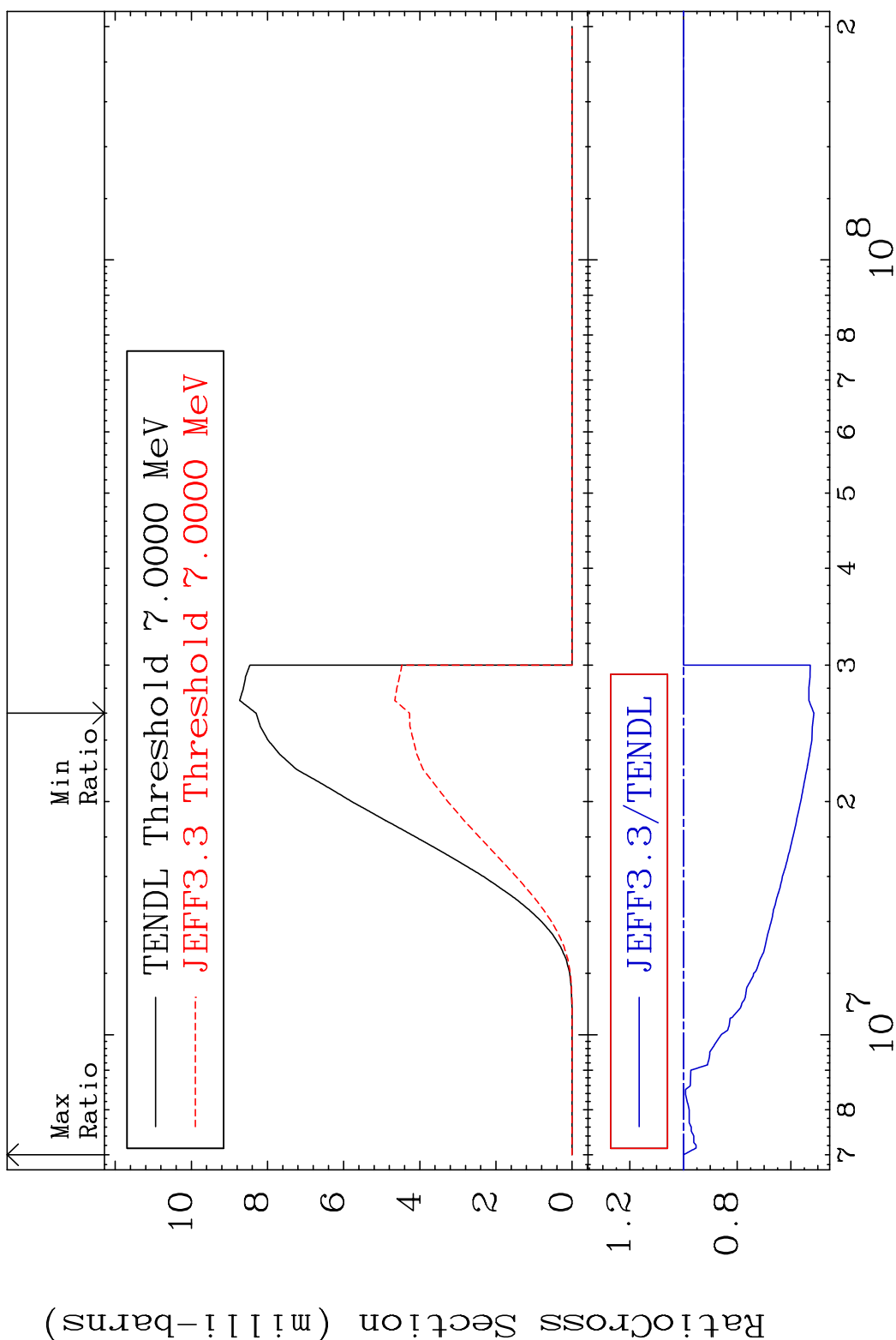
80 Incident Energy (MeV) 44-Ru-98

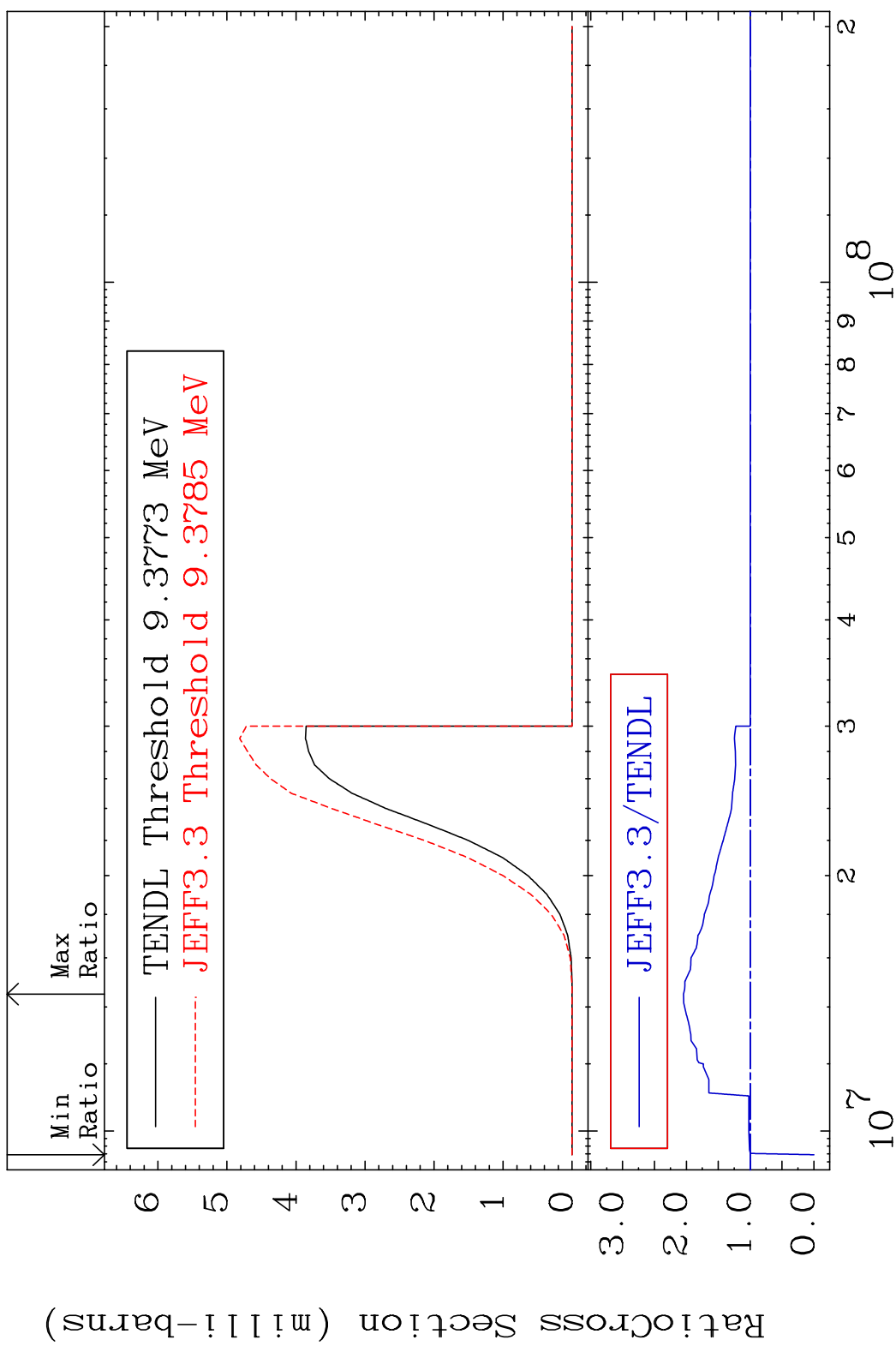




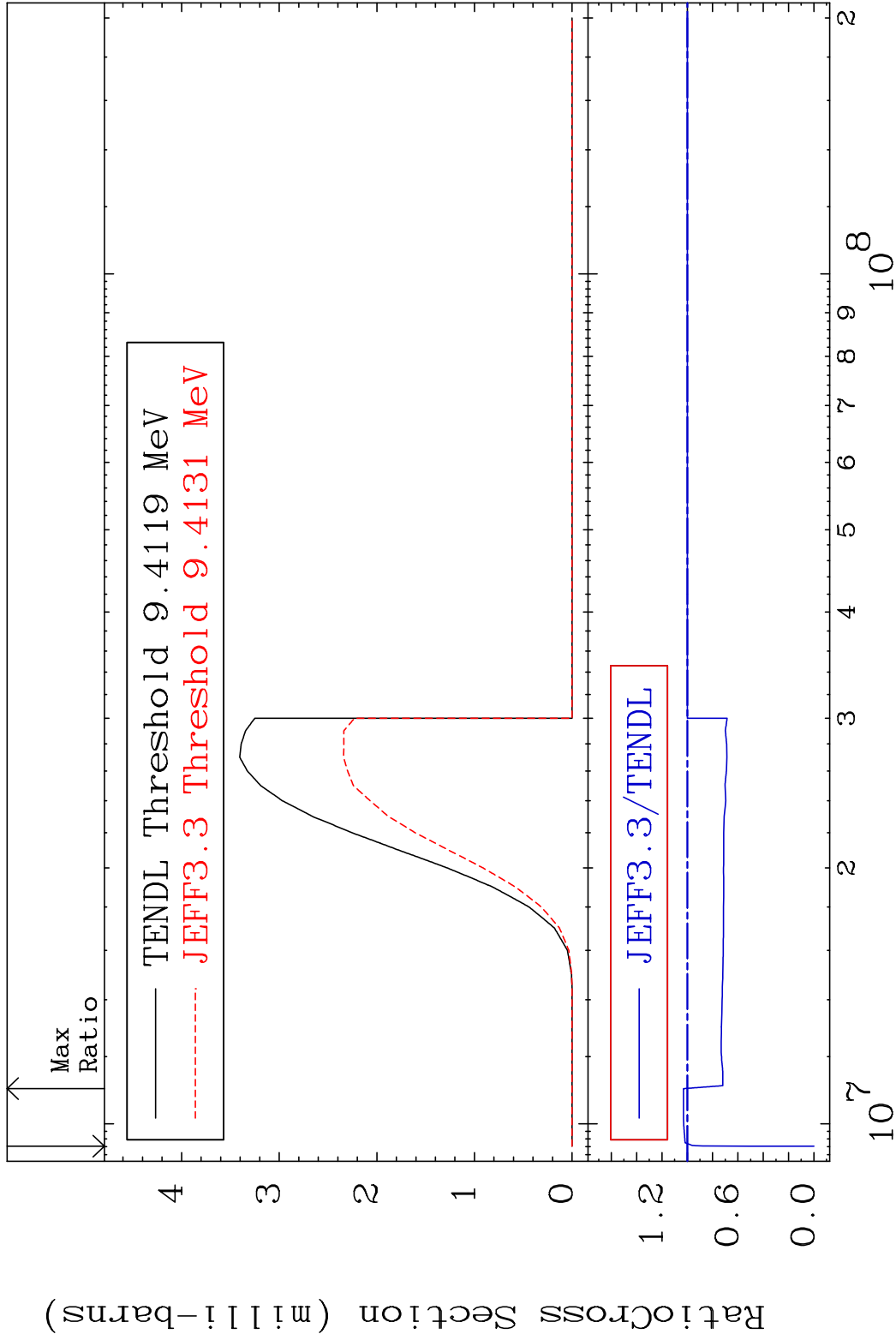


MAT 4431 (n,d):43-Tc-97m1 44-Ru-98
 Radionuclide Production Cross Section 48.541 dfo 0.000 %

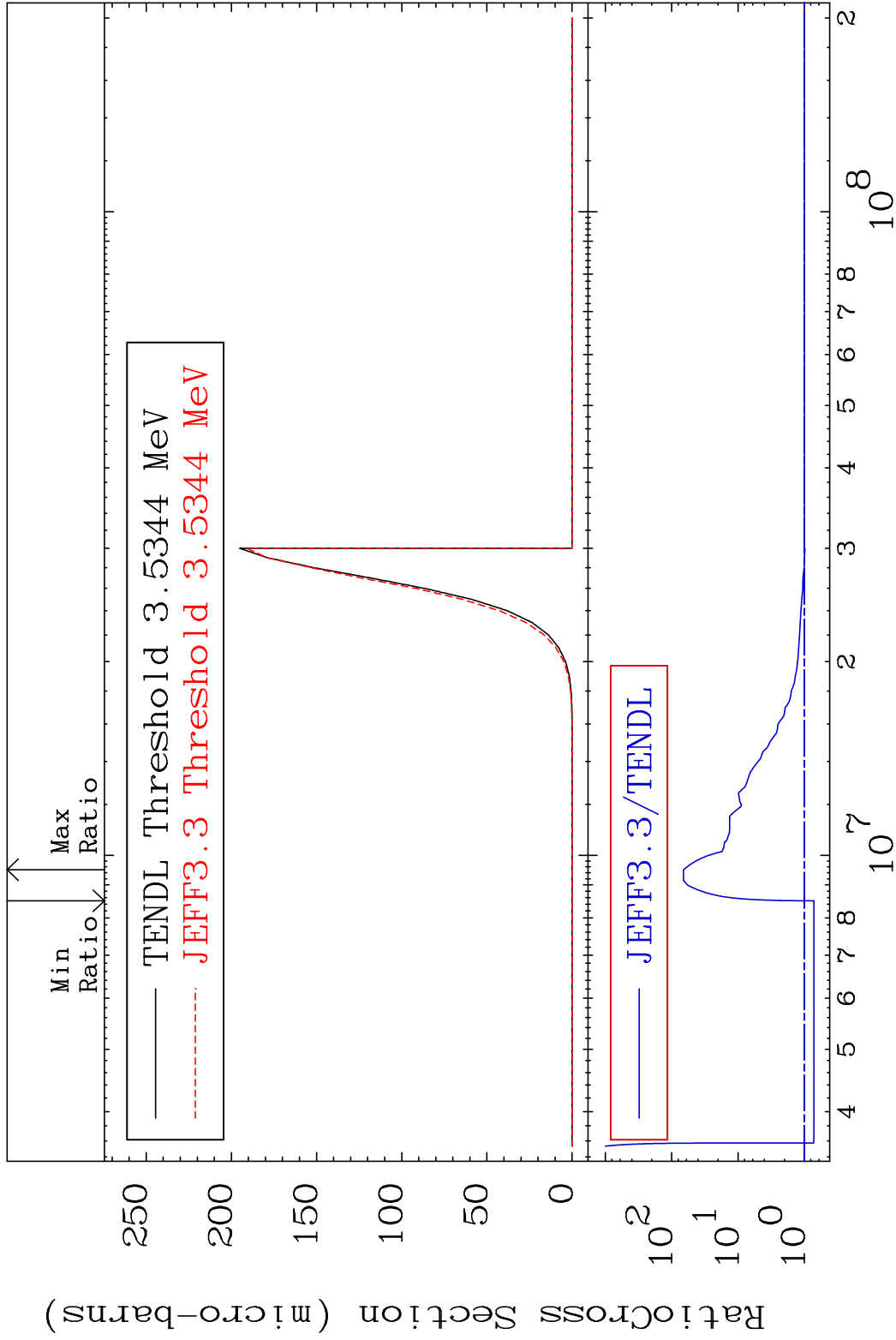


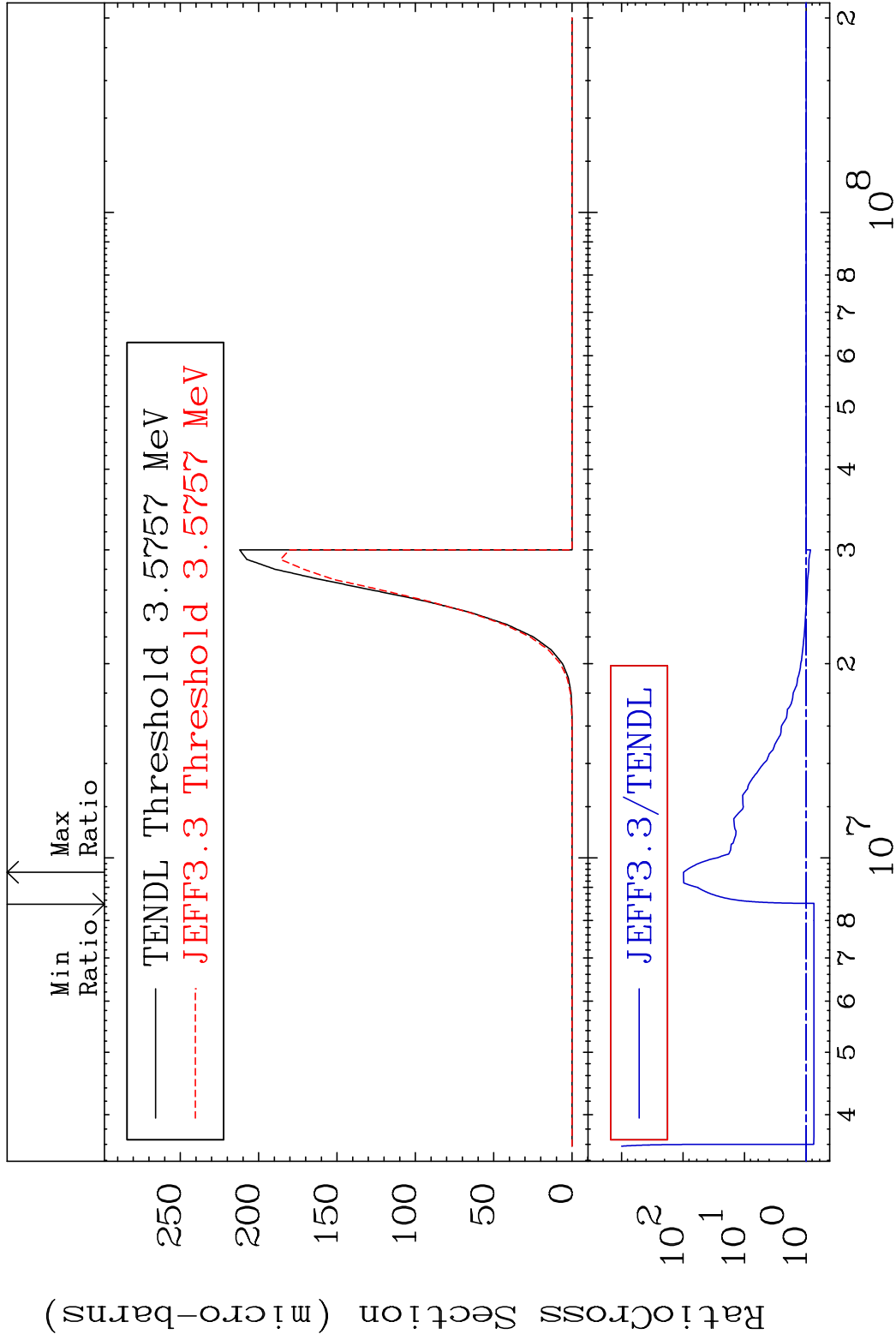


MAT 4431 (n, t): 43-Tc-96m1 44-Ru-98
 Radionuclide Production Cross Section 180000 dth 3.016 %

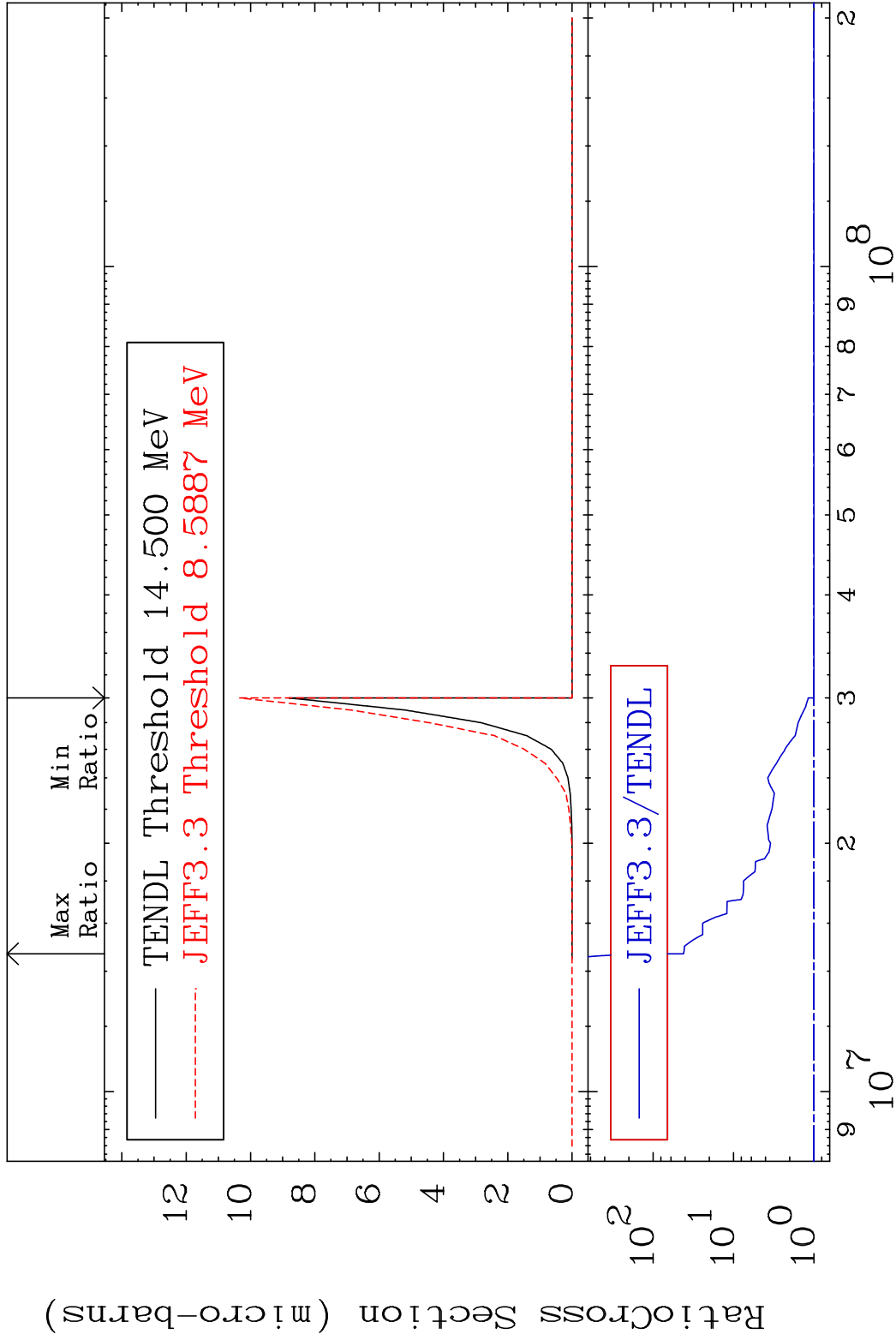


86 44-Ru-98



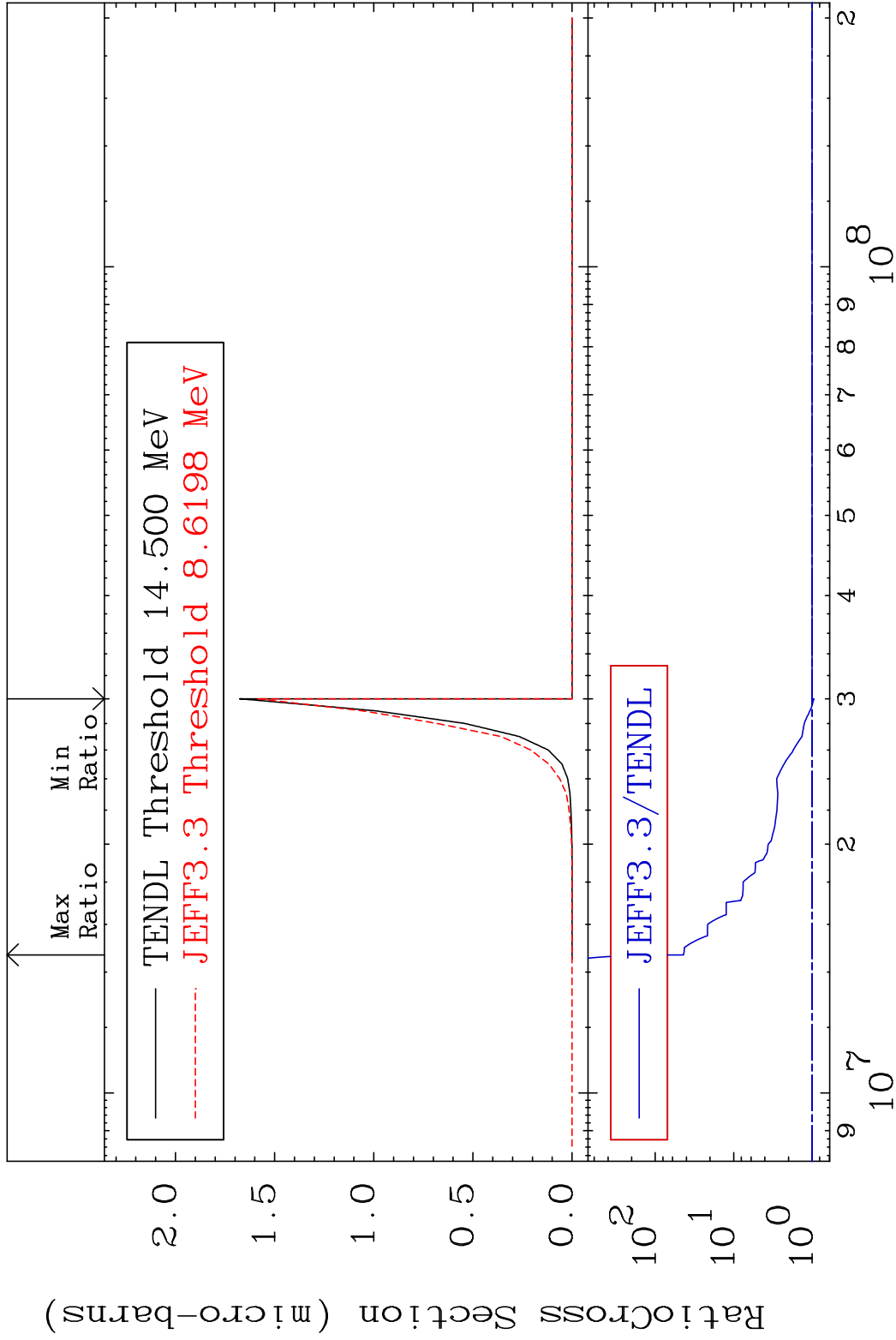


MAT 4431 (n, d) α :41-Nb-93g 44-Ru-98
 Radionuclide Production Cross Section 4090. %



89 Incident Energy (eV) 44-Ru-98

MAT 4431 (n, d) α : 41-Nb-93m1 44-Ru-98
 Radionuclide Production Cross Section 42.5 d to 42.6 d to 4266. %



90 44-Ru-98