

Program Complot  
(Version 2021-1)

by

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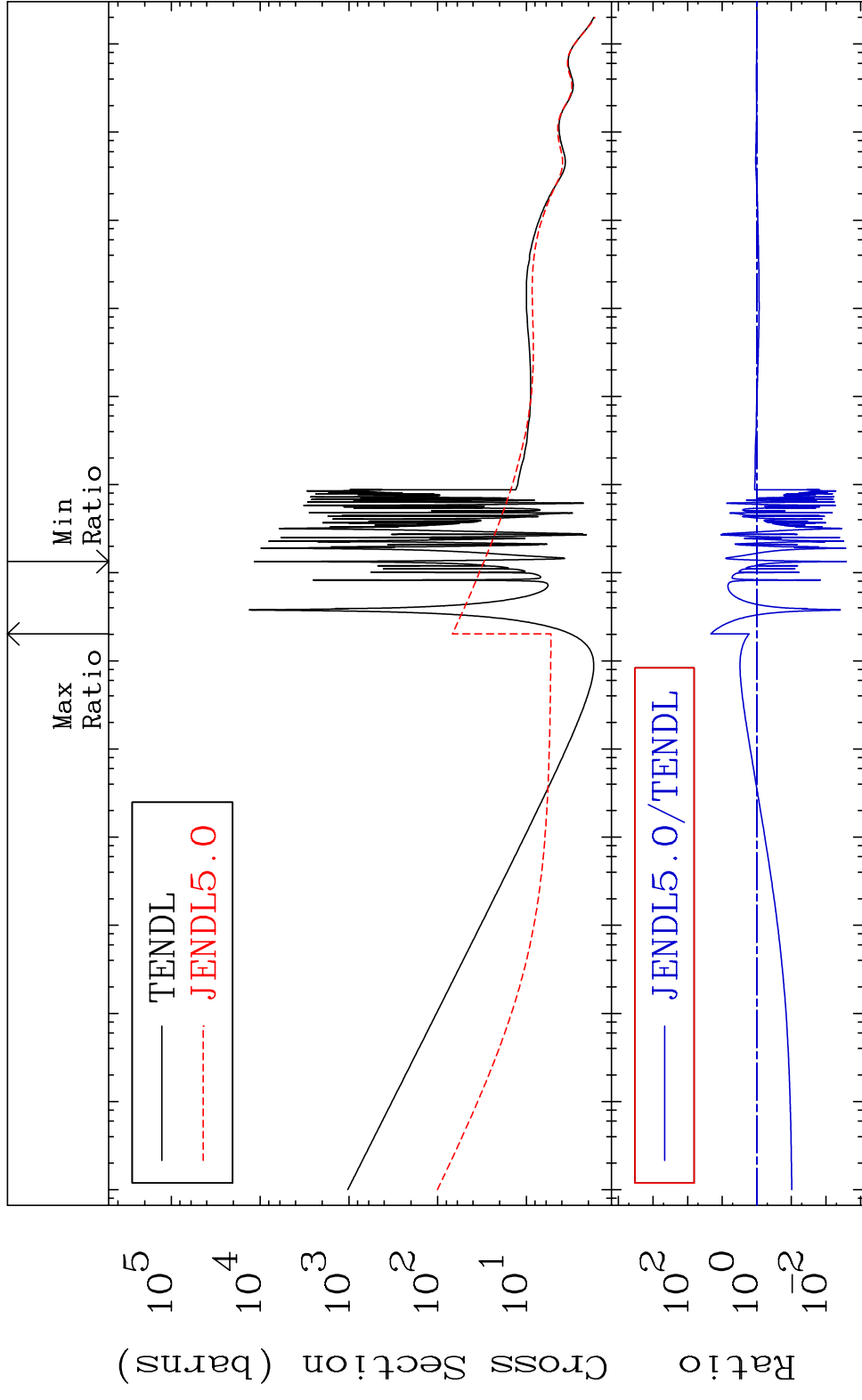
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4519

Total Cross Section -99.74 To 2049. %

45-Rh-101



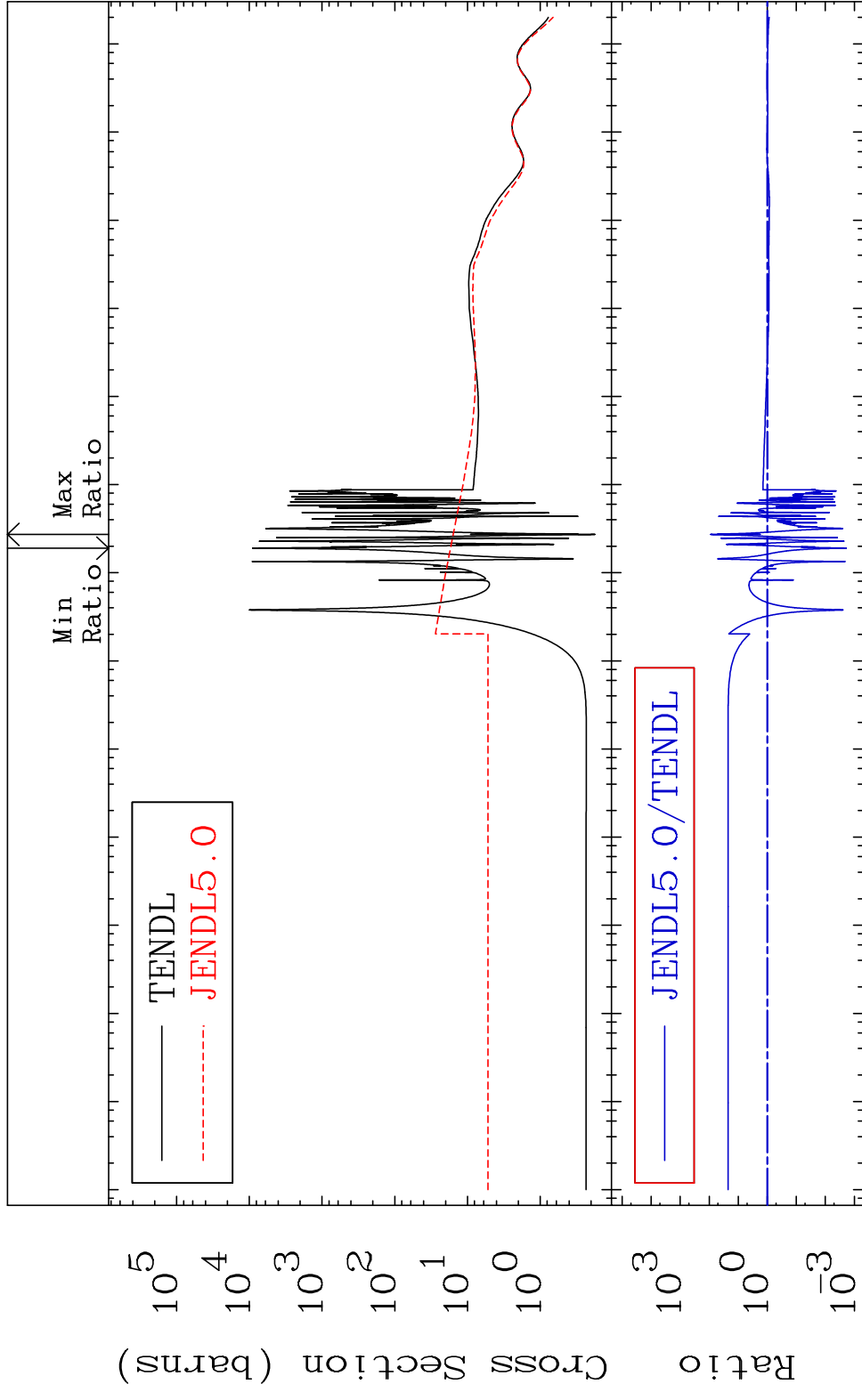
1 Incident Energy (eV) 45-Rh-101

MAT 4519

Elastic

45-Rh-101

Cross Section -99.81 To 8794. %



2

Incident Energy (eV)

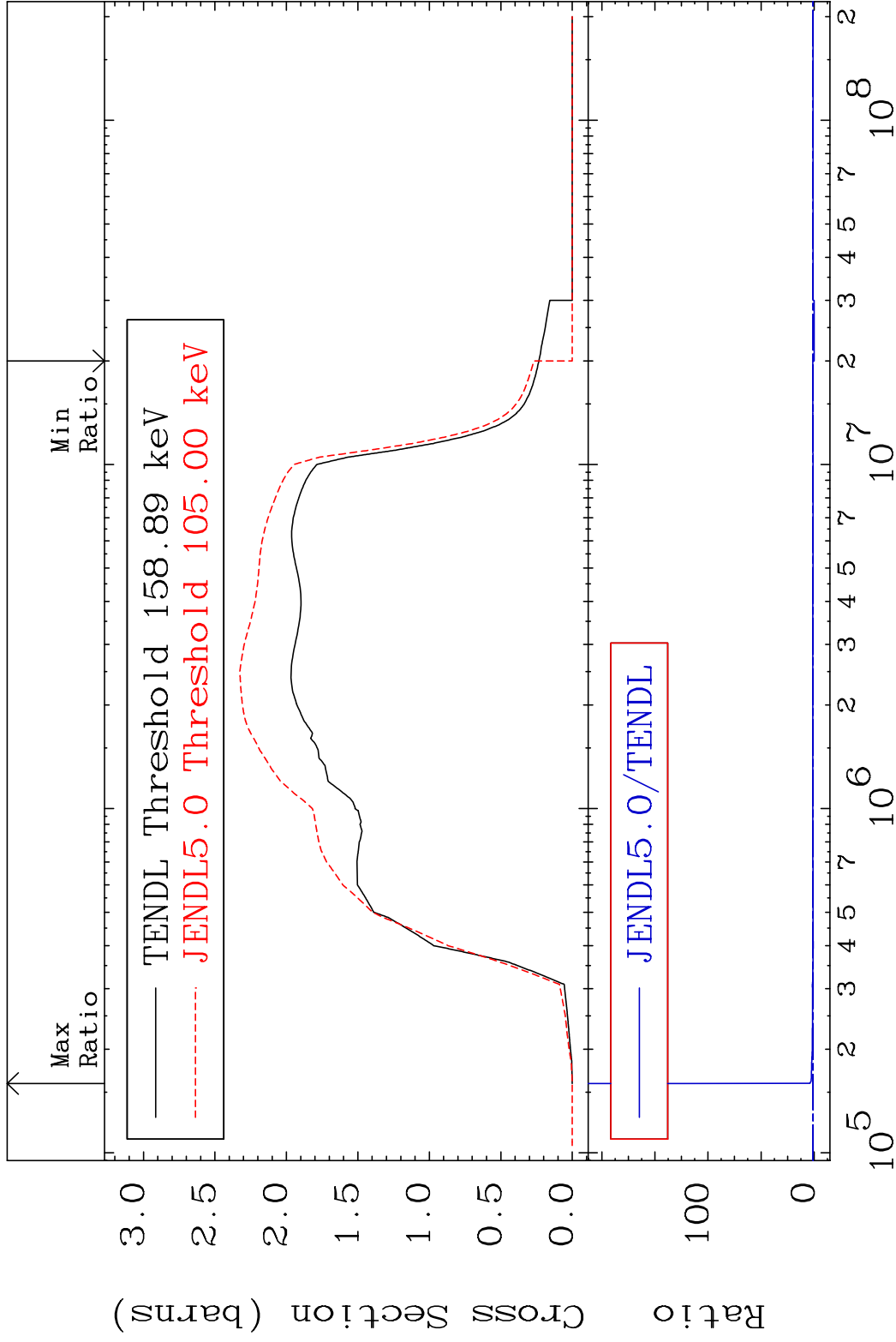
45-Rh-101

MAT 4519

Inelastic

45-Rh-101

Cross Section -100.0 To 9999. %

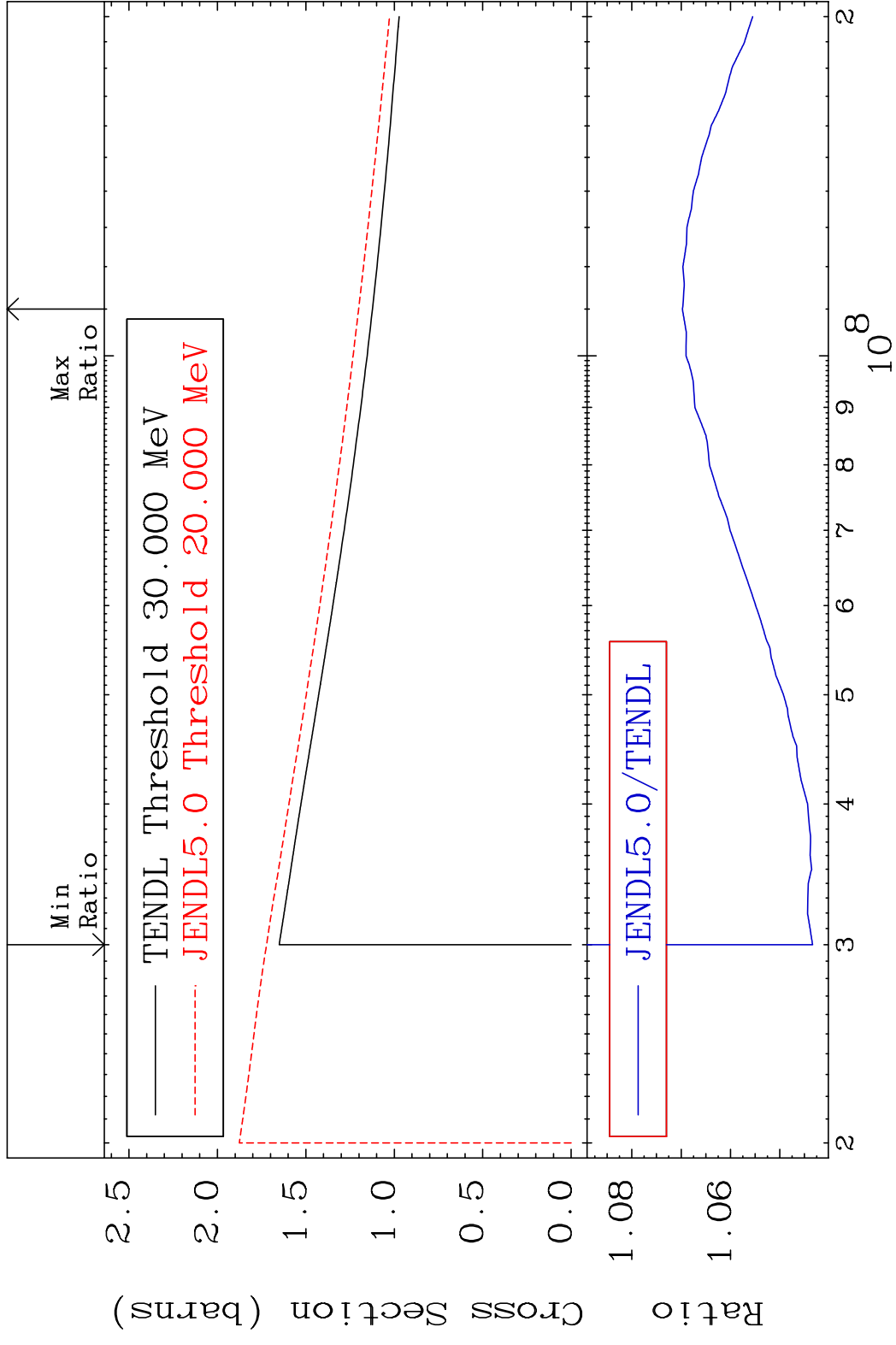


3

Incident Energy (eV)

45-Rh-101

MAT 4519 (n, remainder) 45-Rh-101  
 Cross Section 4.335 To 6.975 %



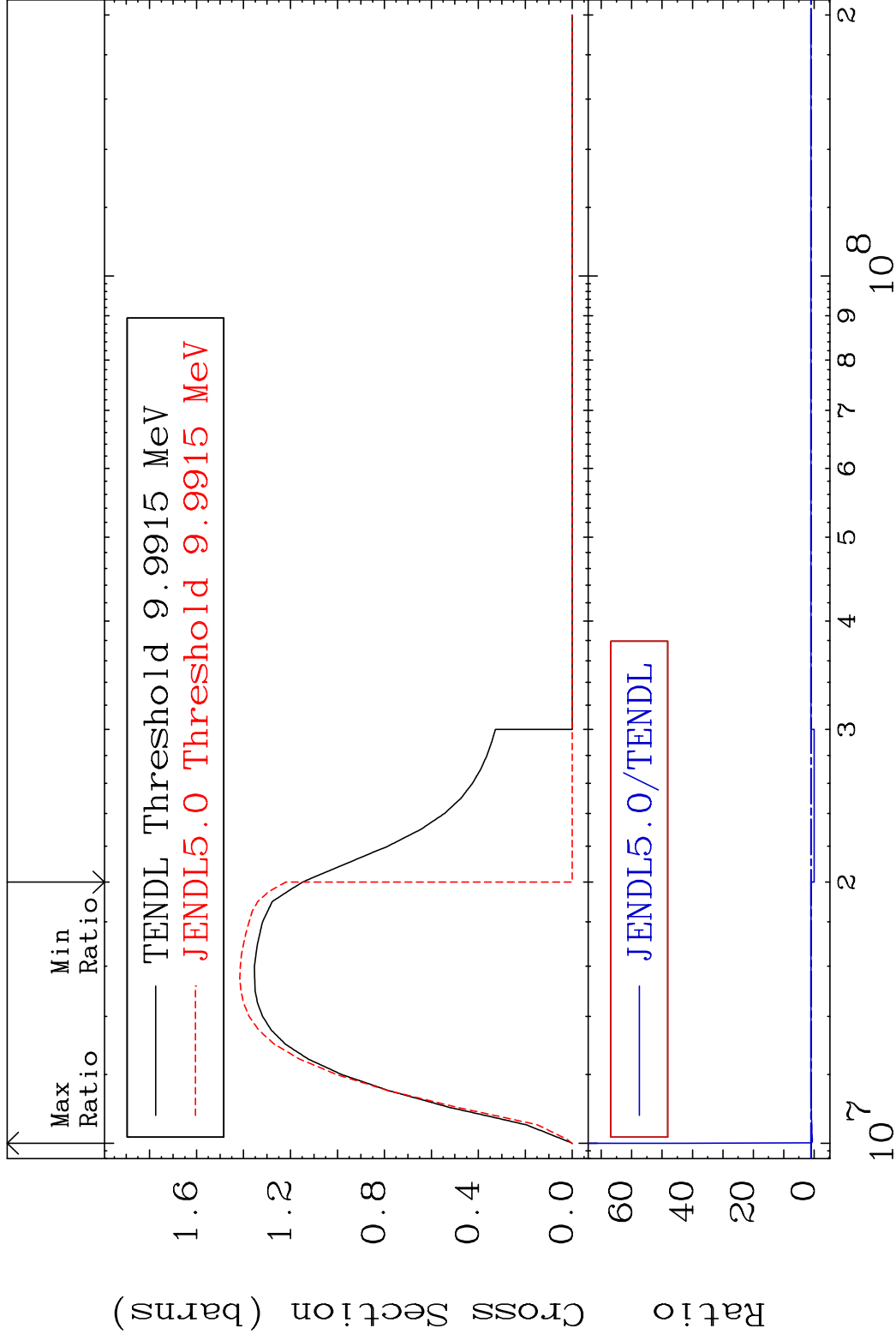
4 Incident Energy (eV) 45-Rh-101

MAT 4519

(n,2n)

45-Rh-101

Cross Section -100.0 To 4191. %

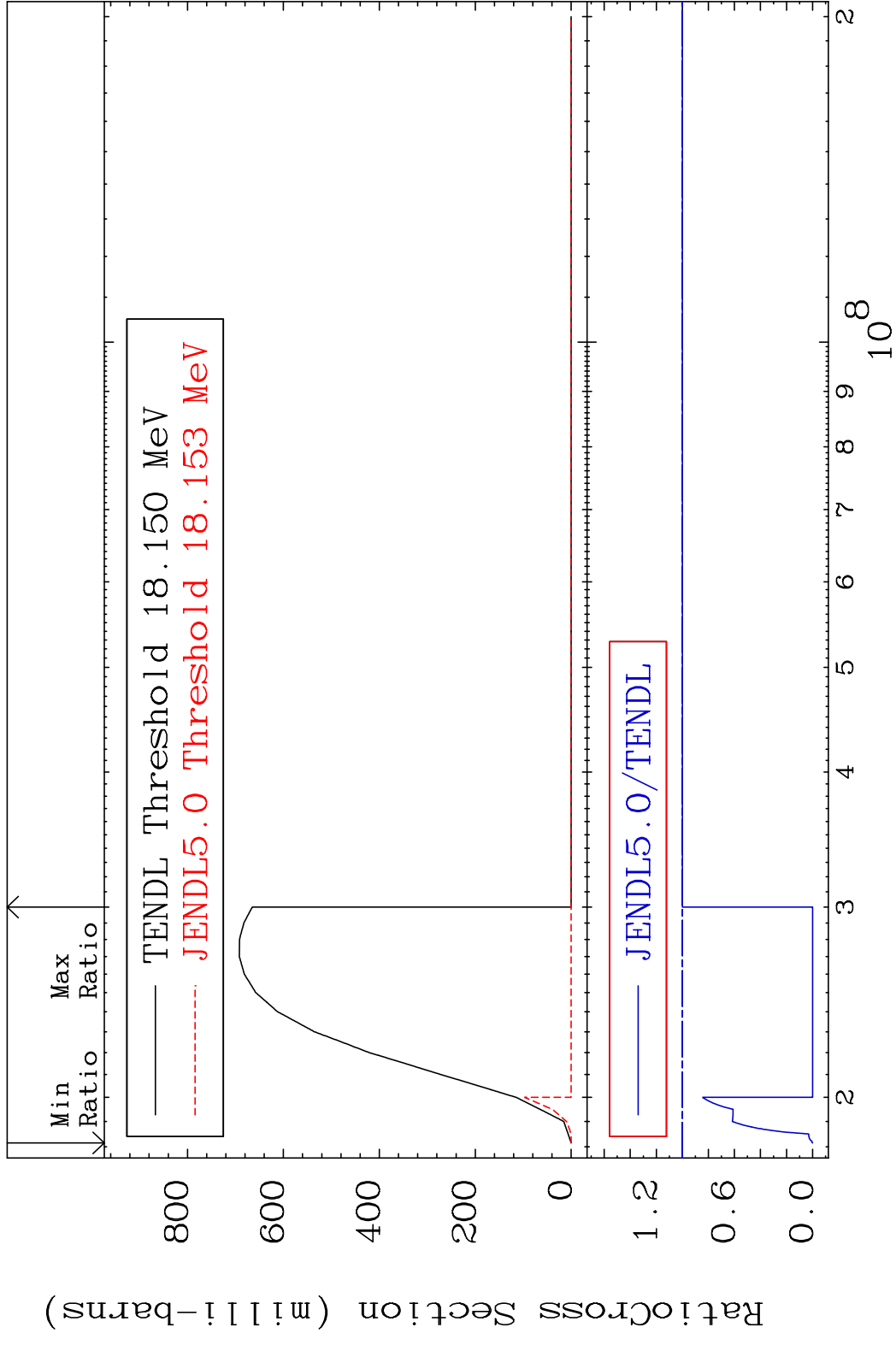


5

Incident Energy (eV)

45-Rh-101

MAT 4519 (n,3n) 45-Rh-101  
 Cross Section -100.0 To 0.000 %

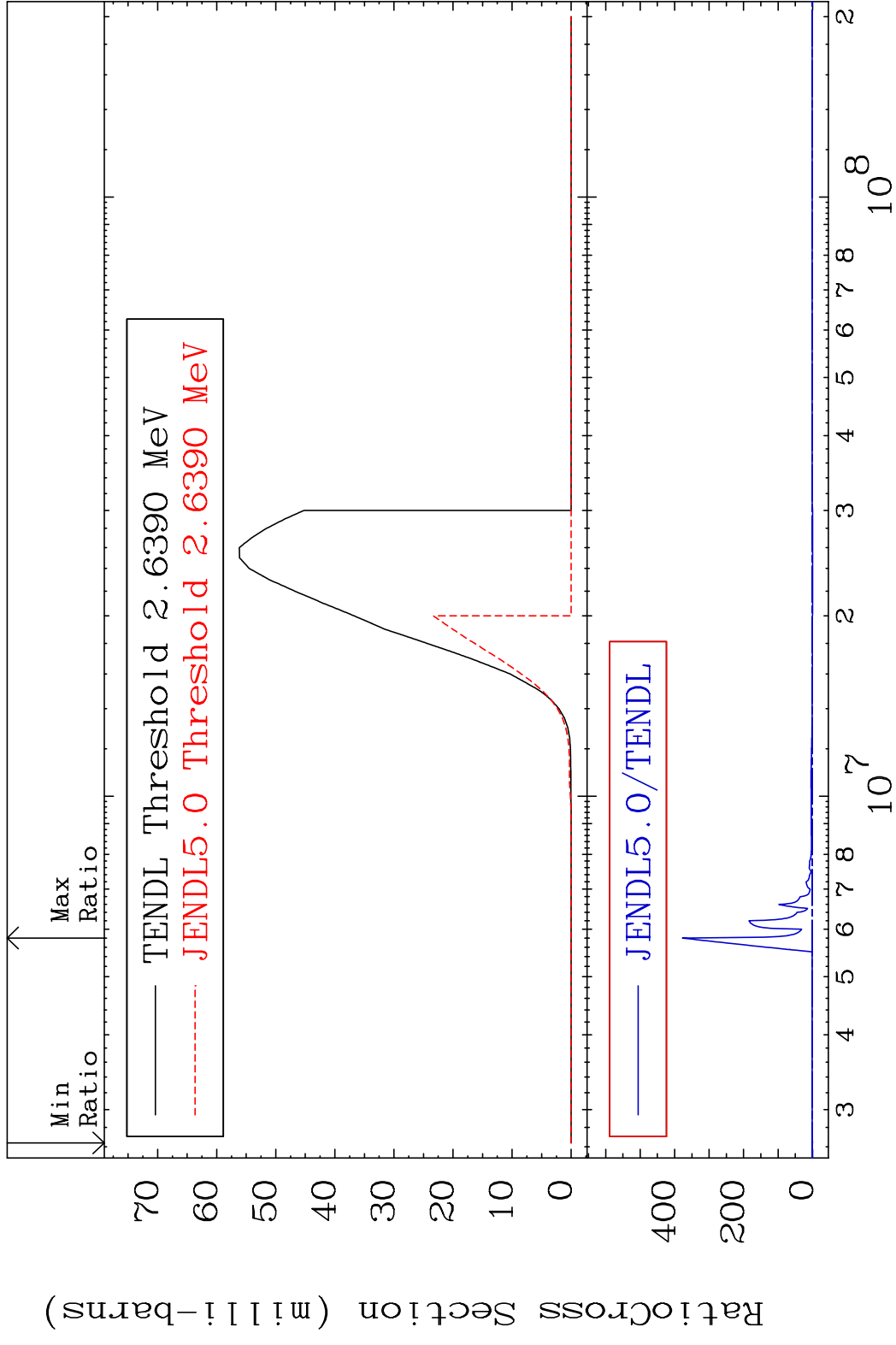


MAT 4519

(n, n')  $\alpha$

45-Rh-101

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

45-Rh-101

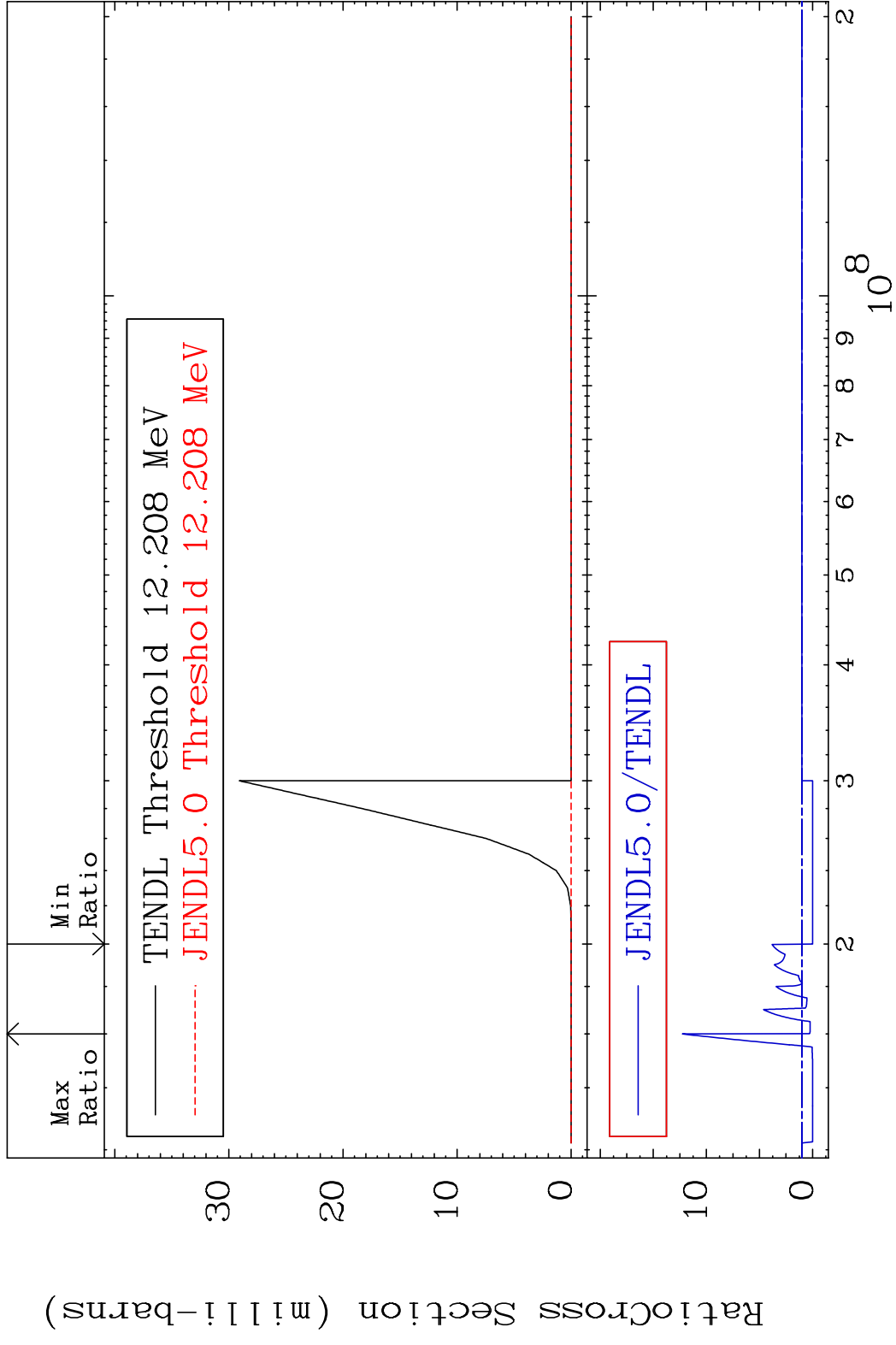


MAT 4519

(n,2n)  $\alpha$

45-Rh-101

Cross Section -100.0 To 1126. %

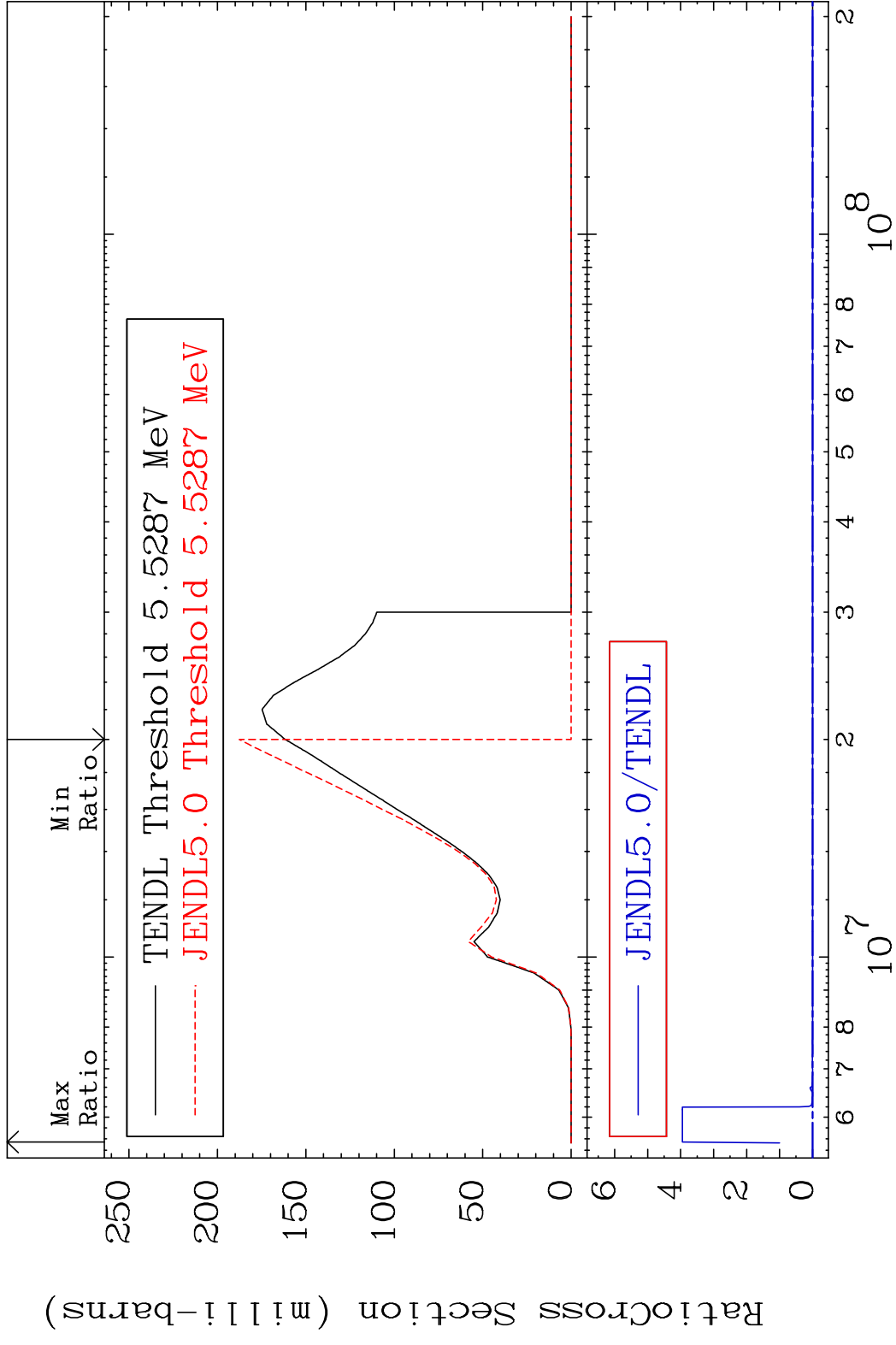


8

Incident Energy (eV)

45-Rh-101

MAT 4519 (n, n') p 45-Rh-101  
 Cross Section -100.0 To 9999. %

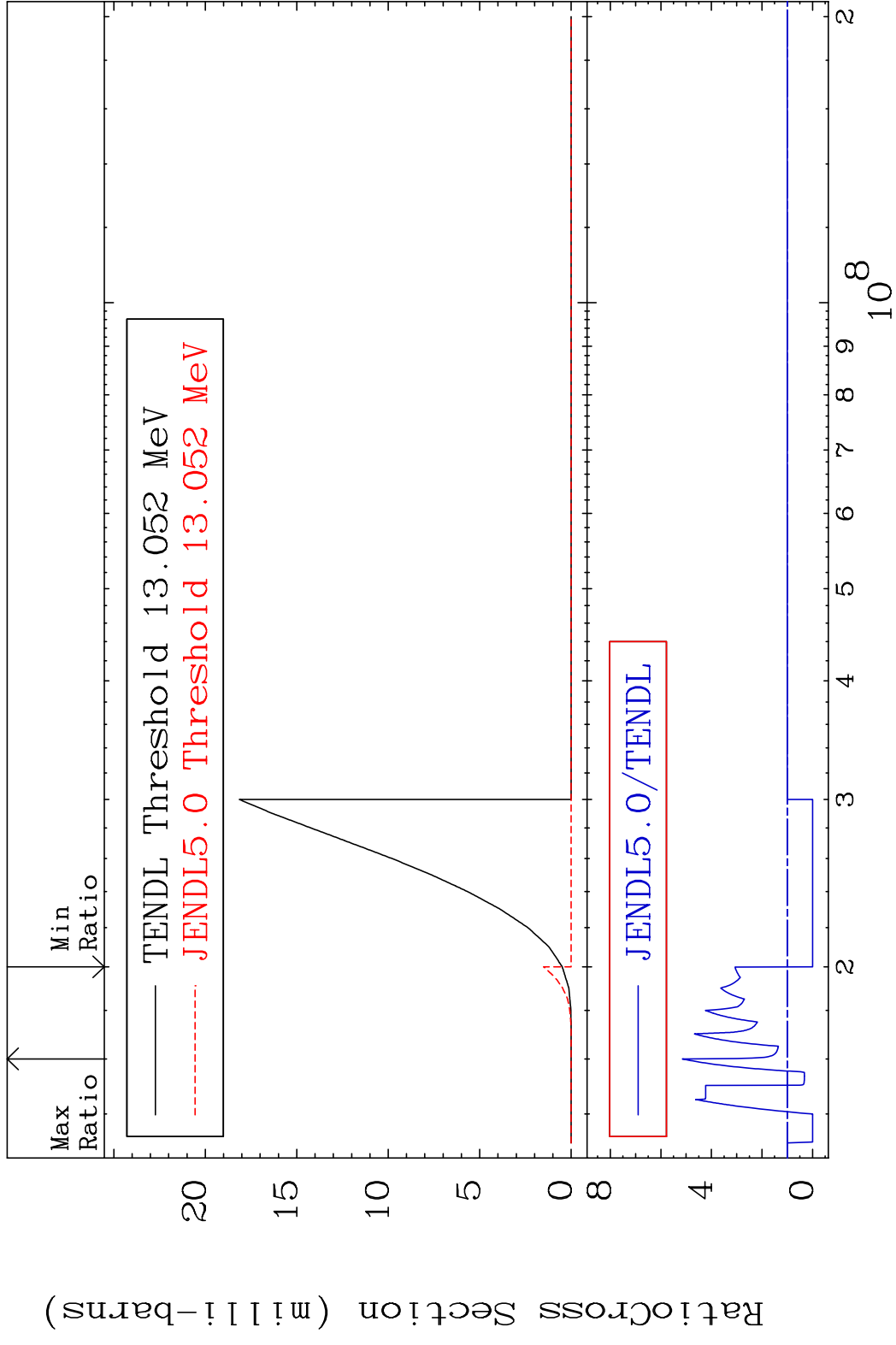


MAT 4519

(n, n') d

45-Rh-101

Cross Section -100.0 To 415.0 %

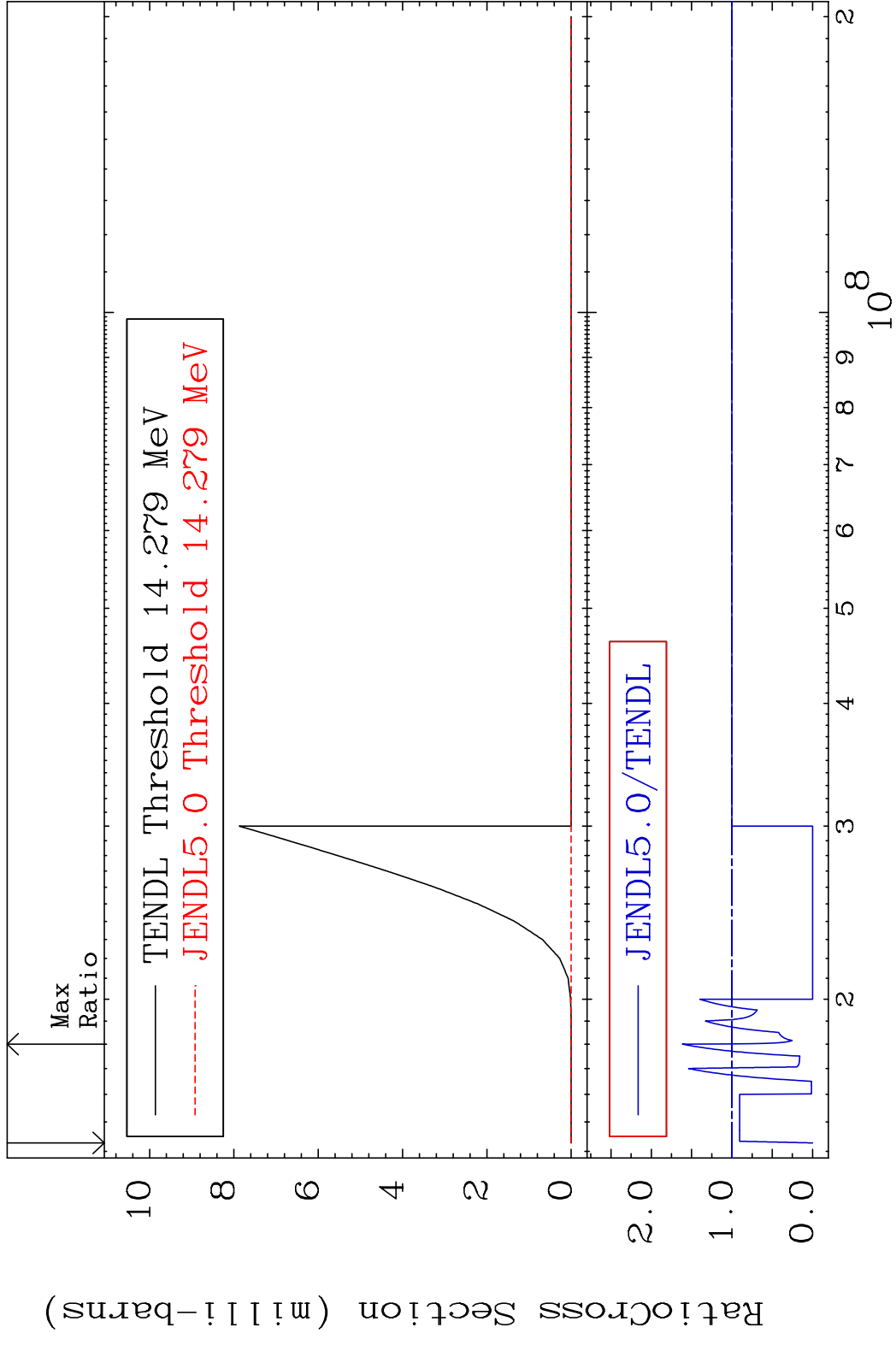


10

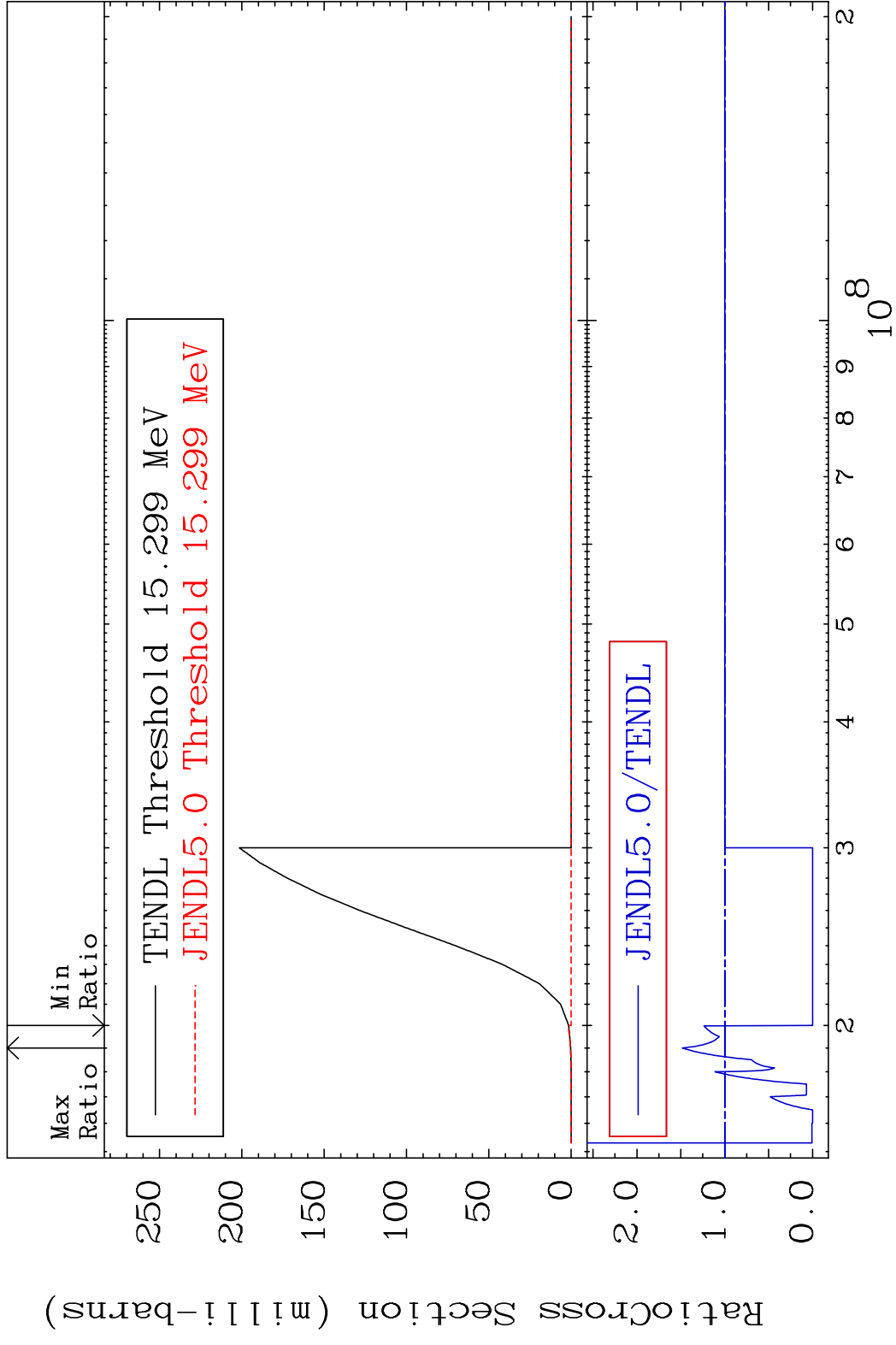
Incident Energy (eV)

45-Rh-101

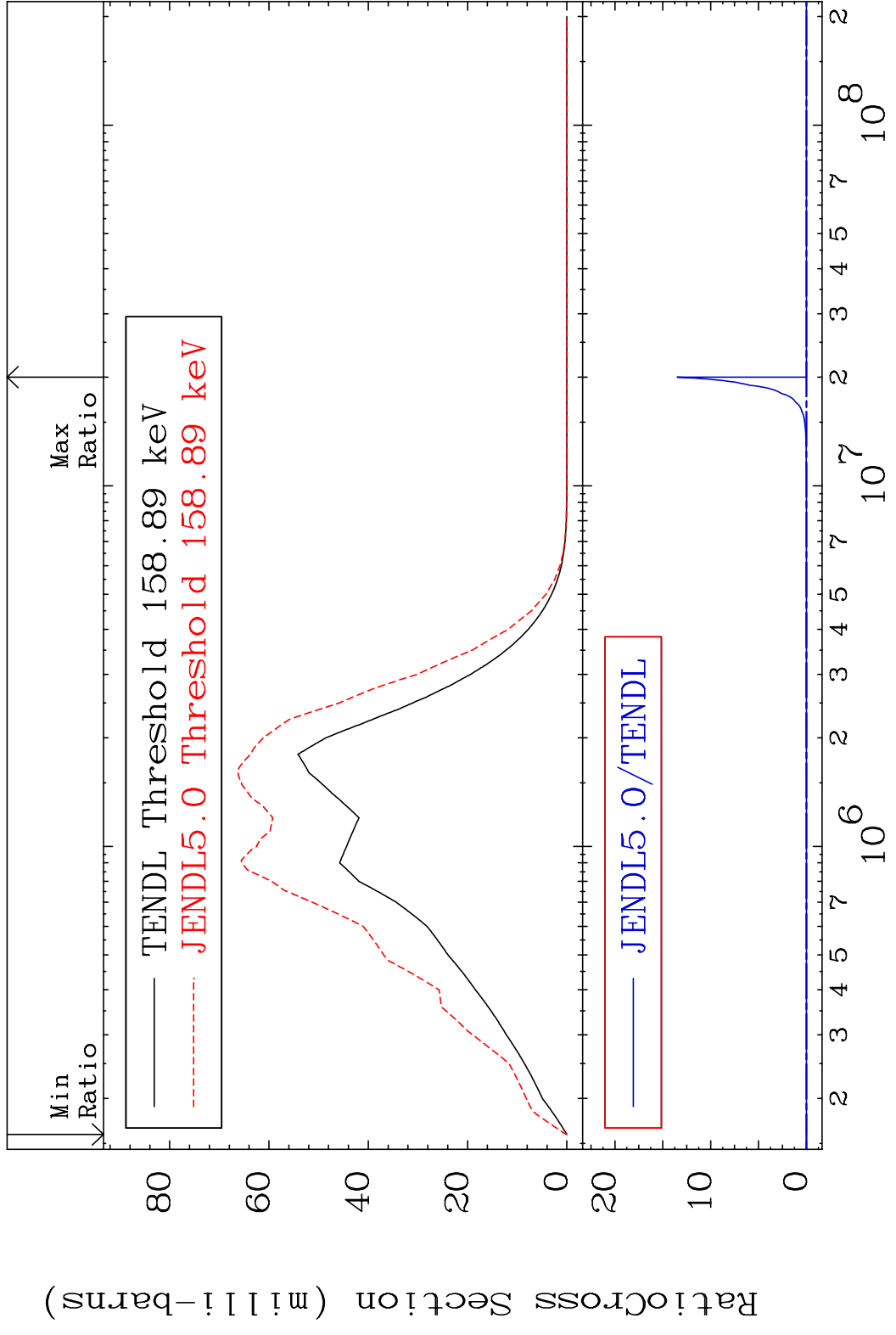
MAT 4519 (n, n') t 45-Rh-101  
 Cross Section -100.0 To 61.46 %



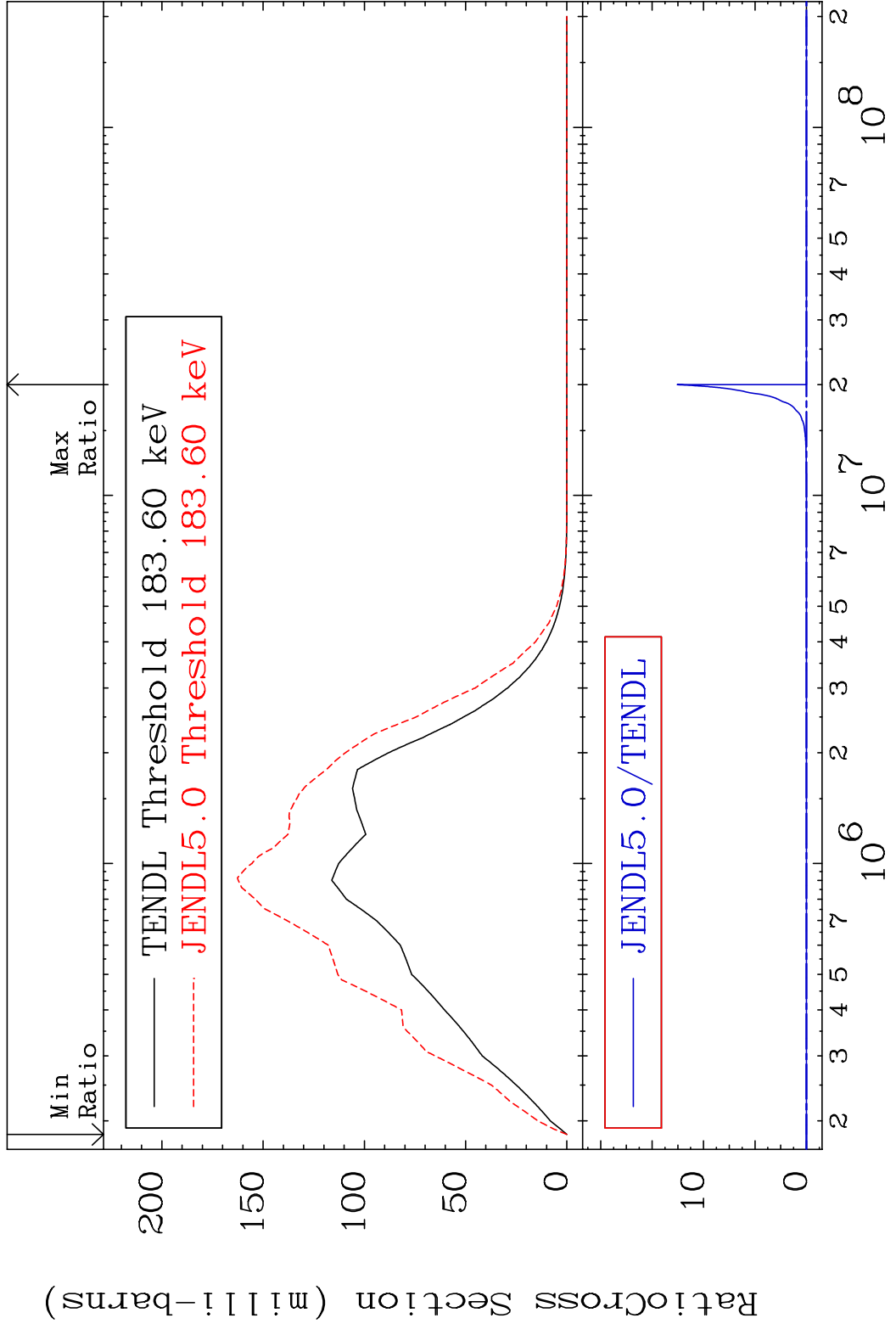
MAT 4519 (n,2n) p 45-Rh-101  
 Cross Section -100.0 To 48.24 %



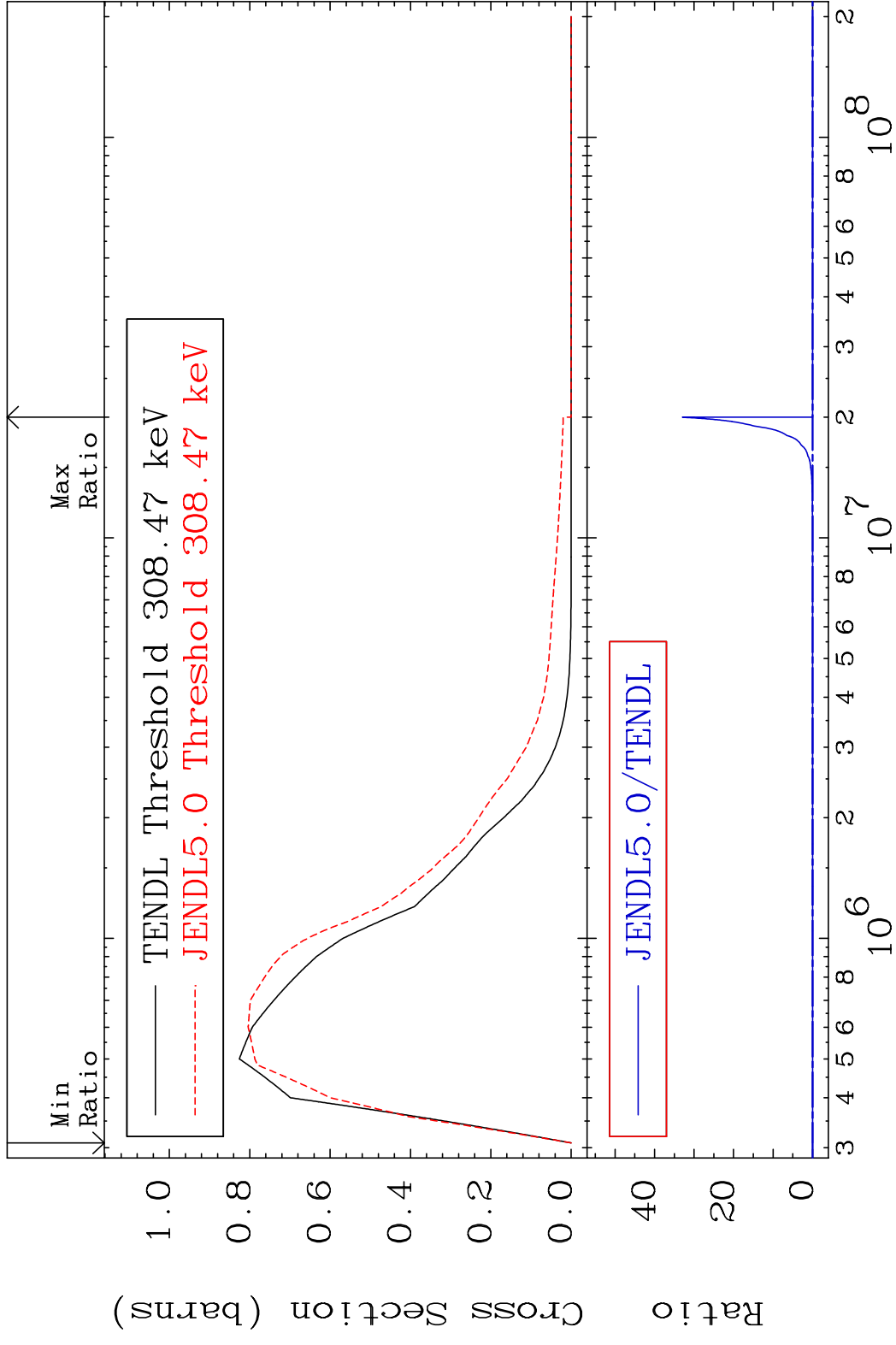
MAT 4519 MT= 51 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



MAT 4519 MT= 52 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %

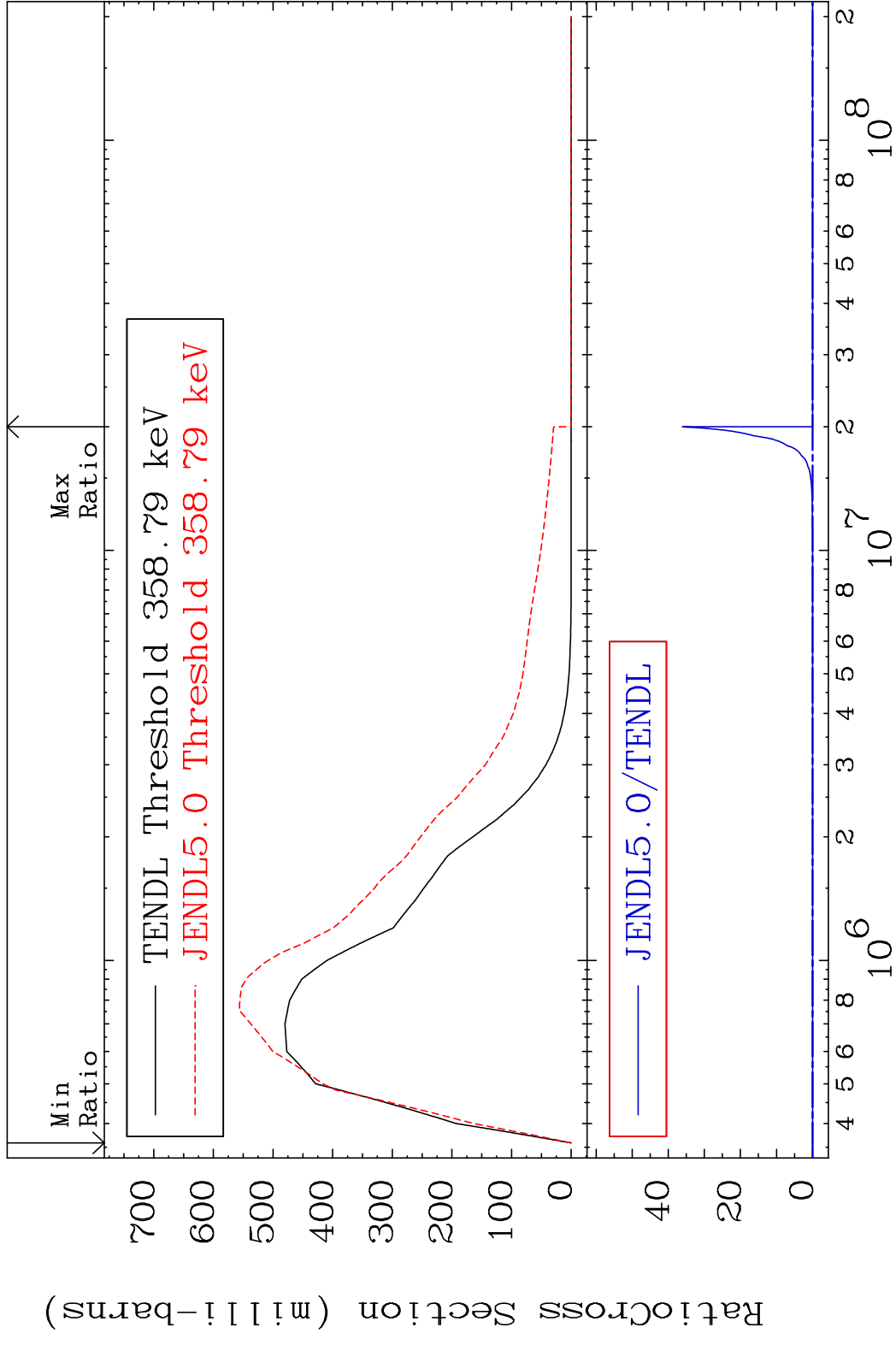


MAT 4519 MT= 53 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %

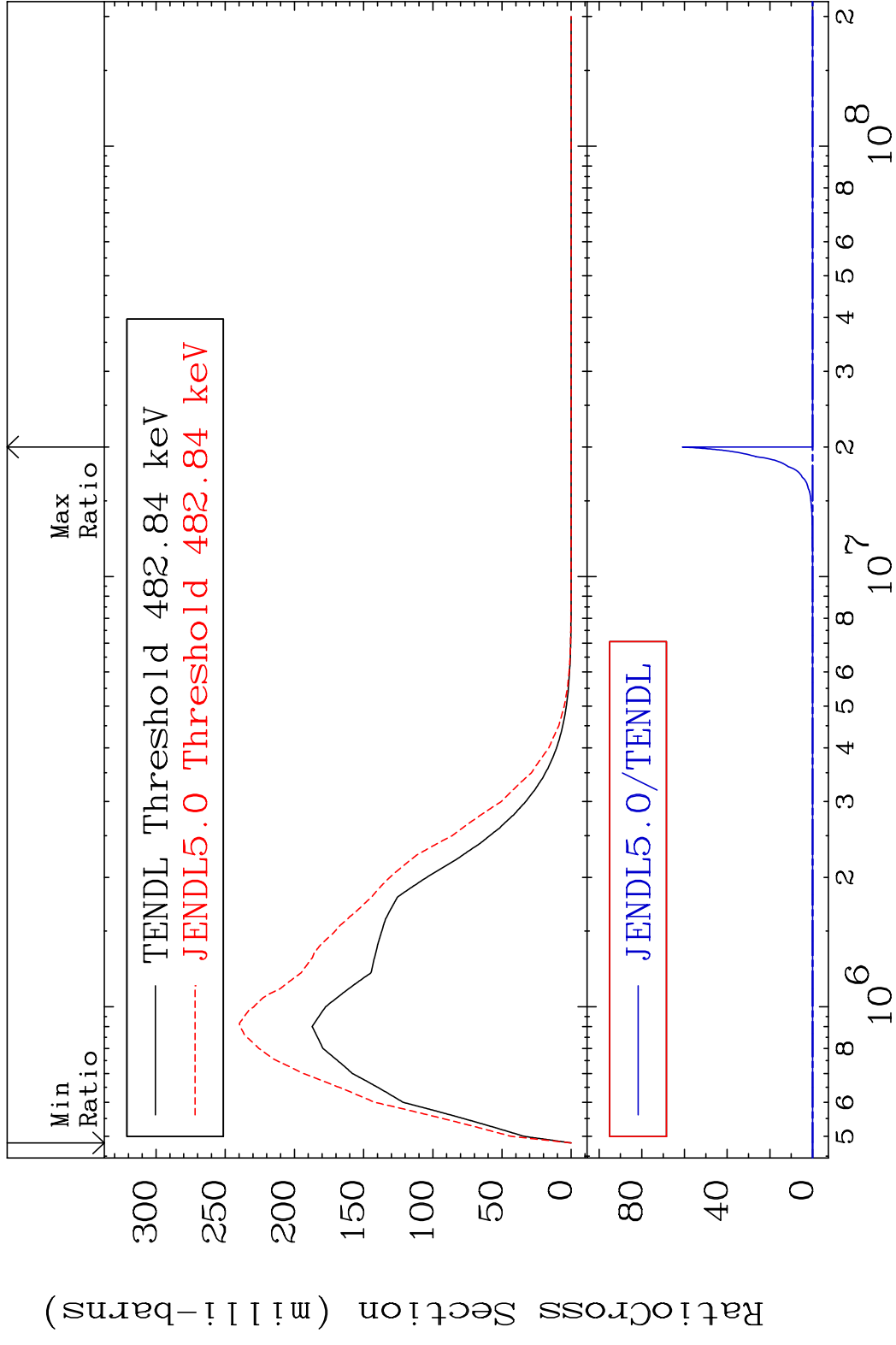




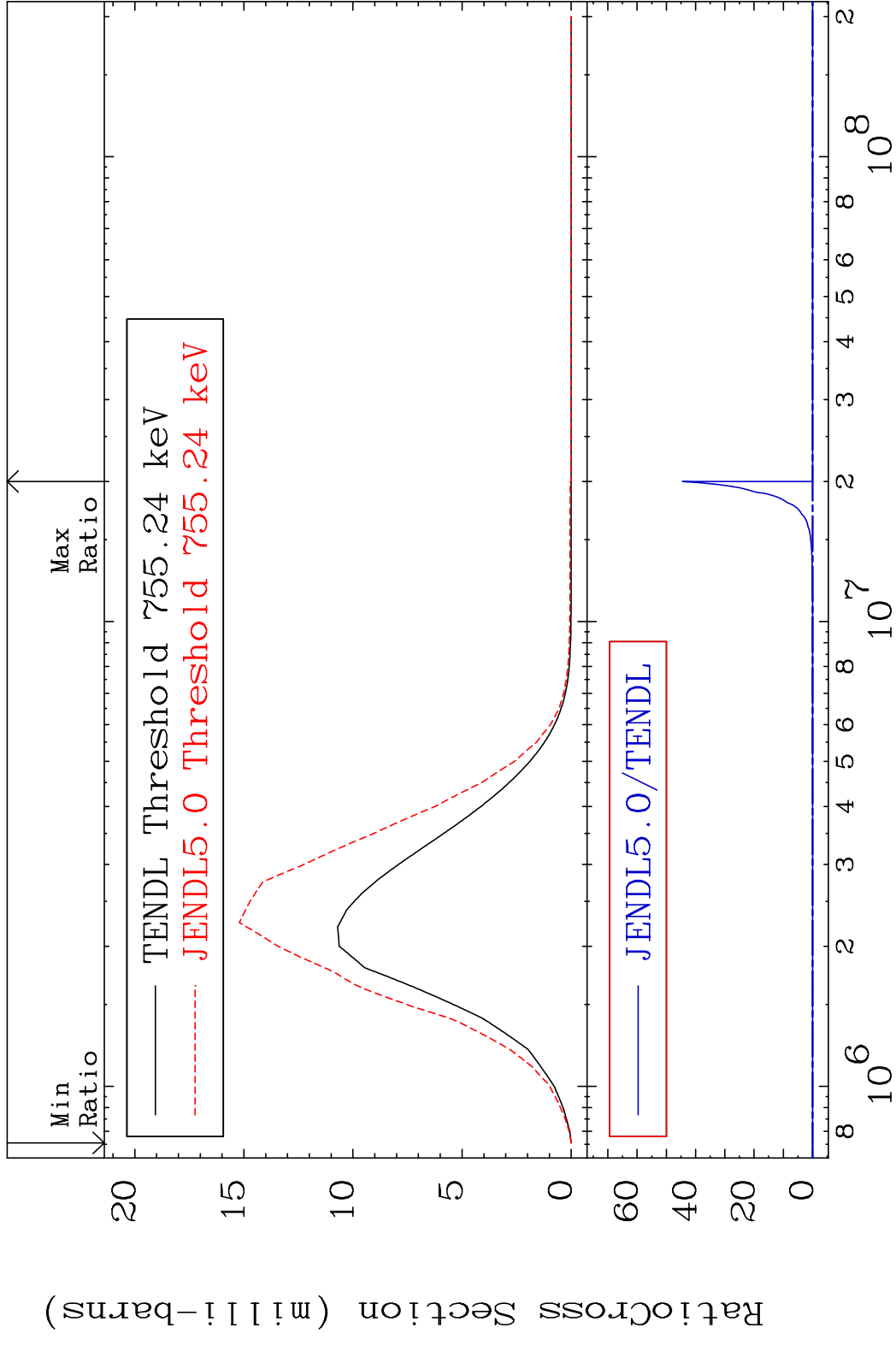
MAT 4519 MT= 54 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



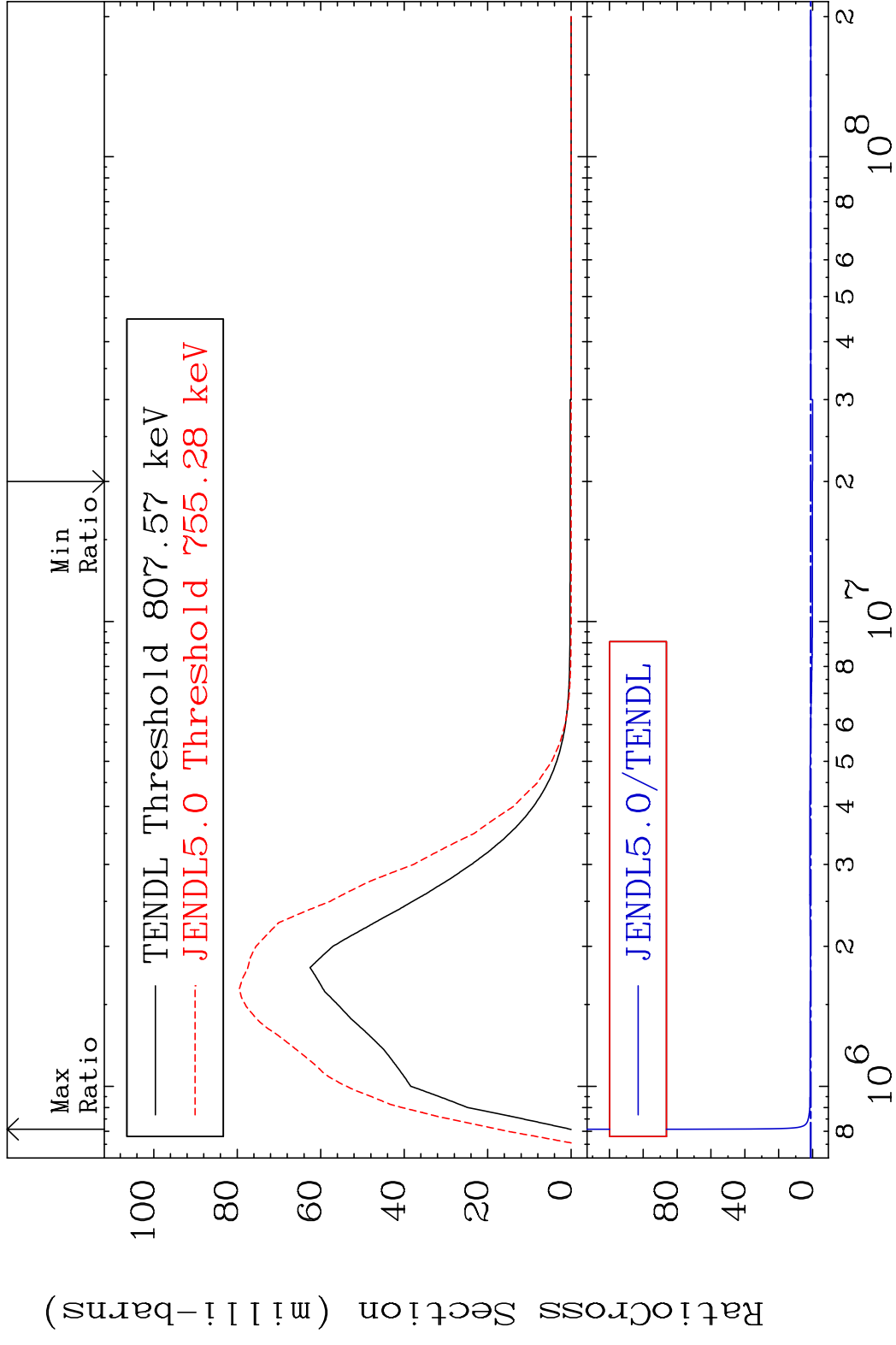
MAT 4519 MT= 55 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



MAT 4519 MT= 56 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %

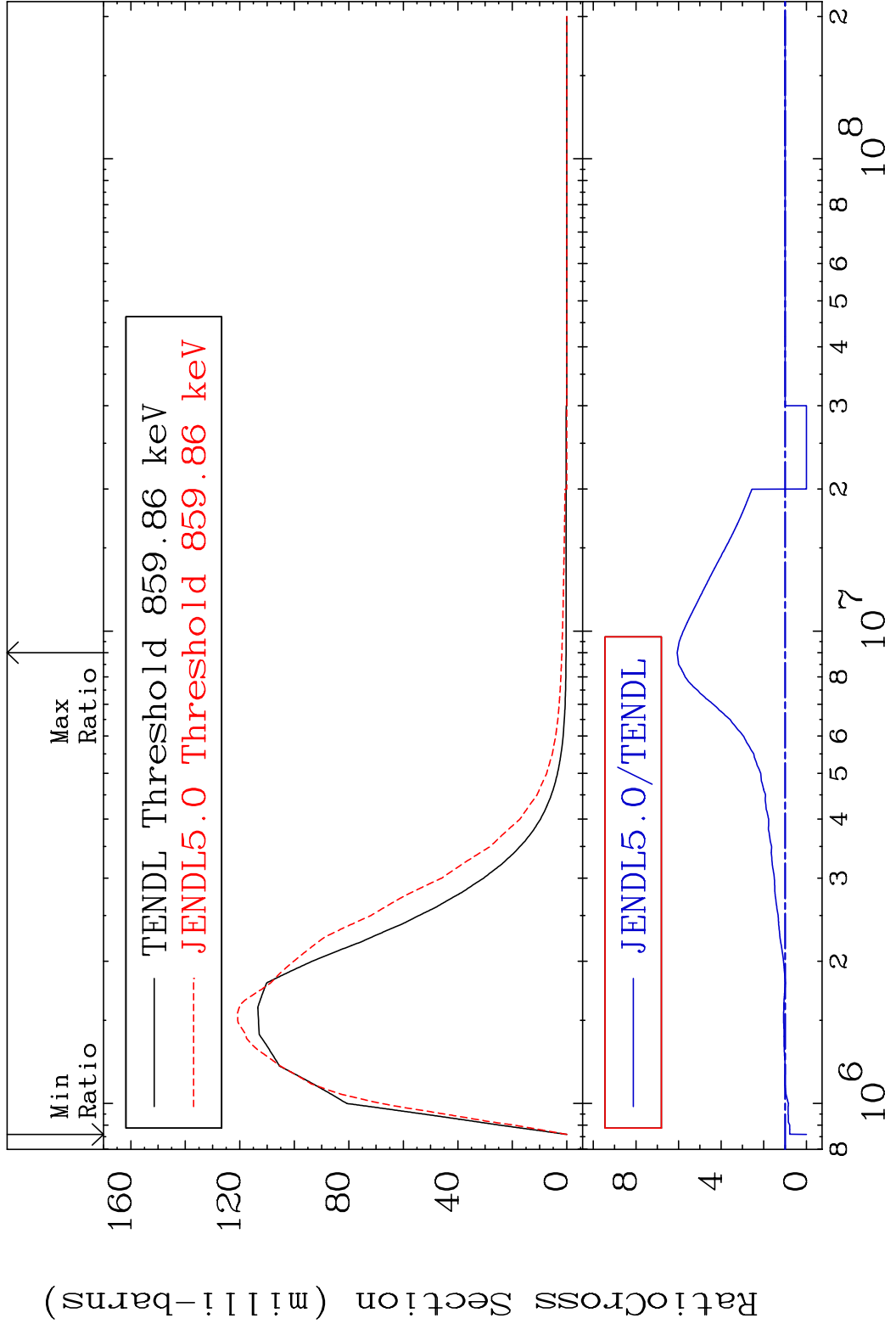


MAT 4519 MT= 57 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 7590. %



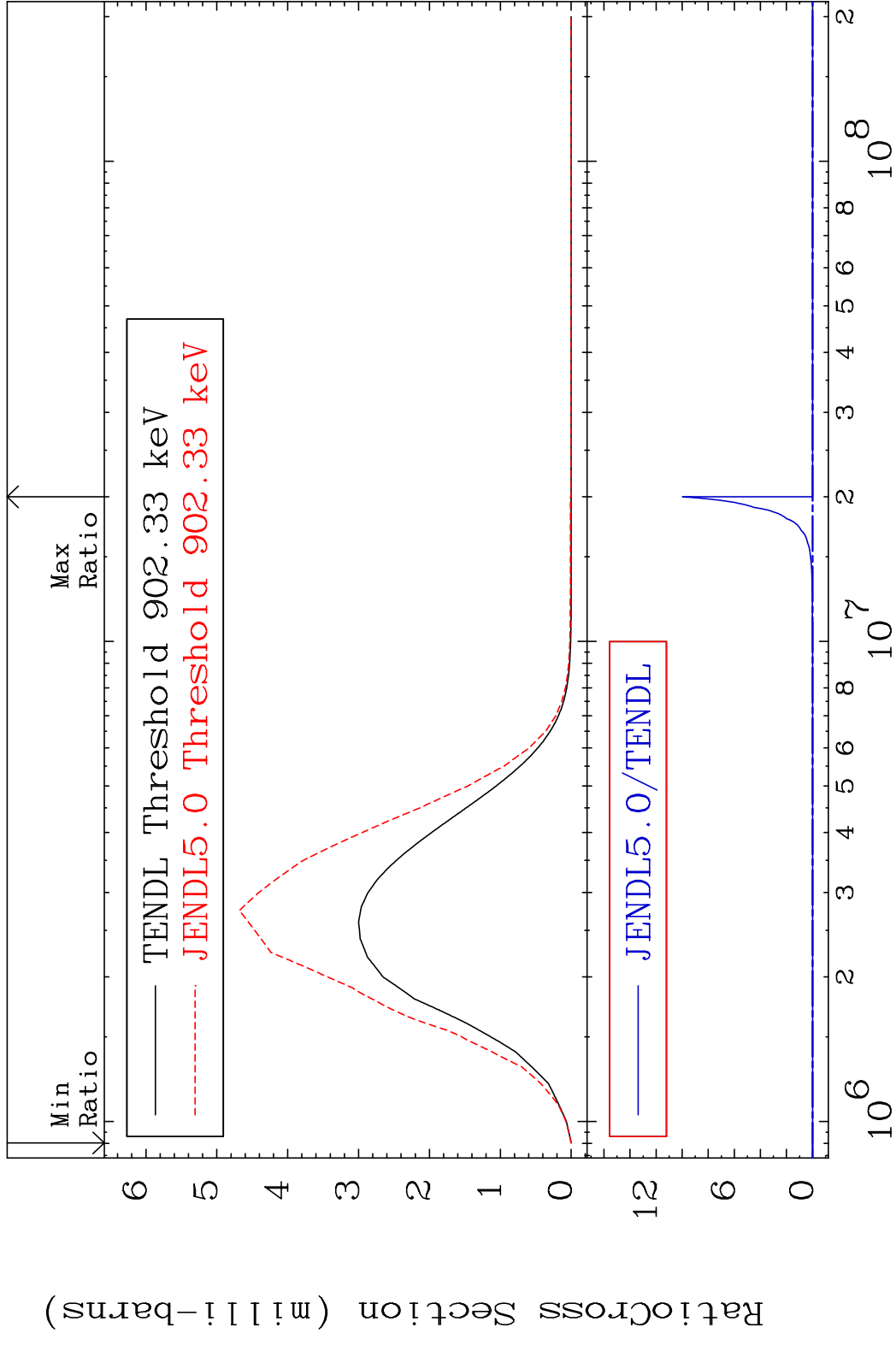
19 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 58 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 506.4 %



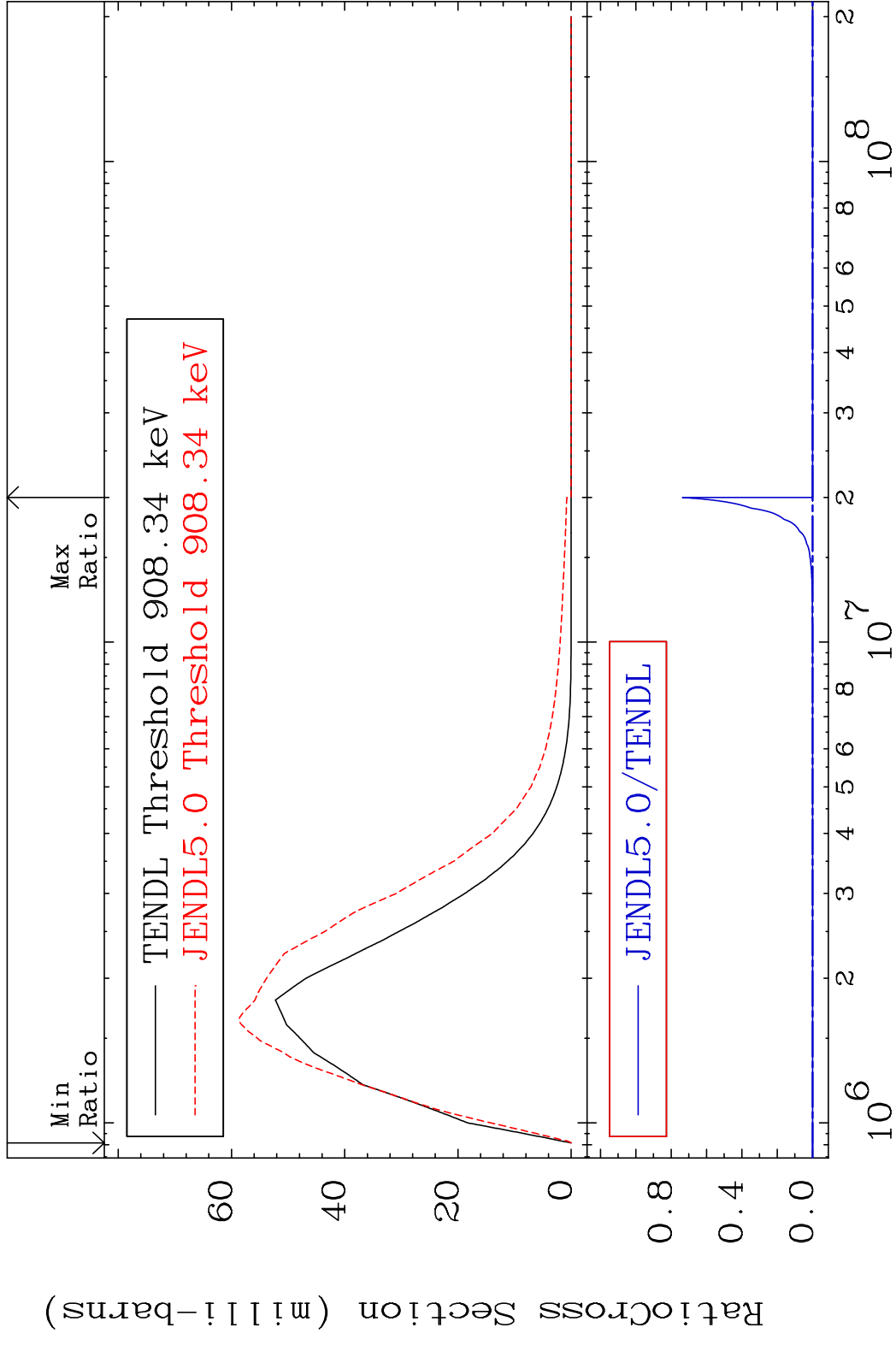
20 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 59 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %

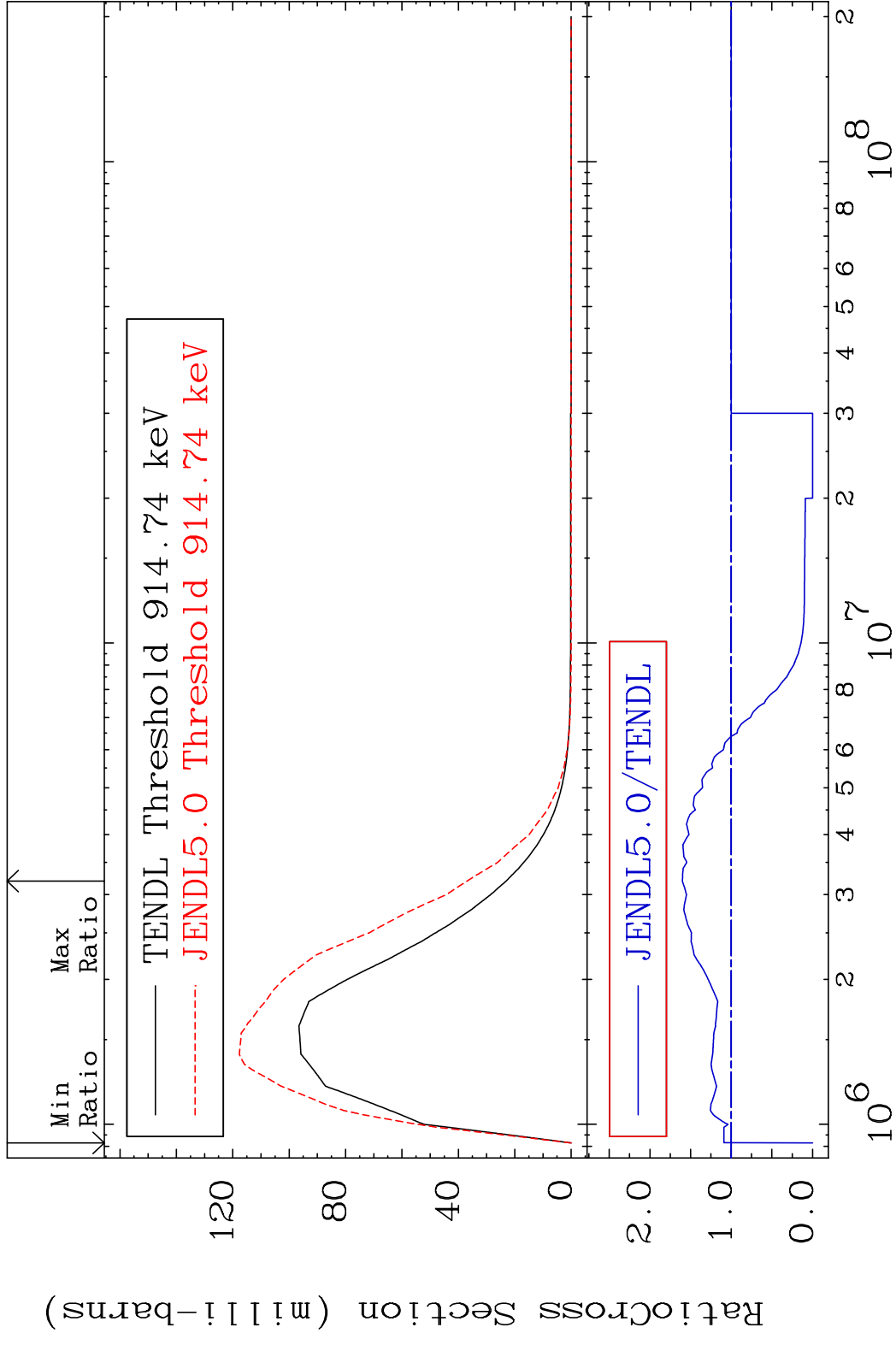


21 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 60 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %

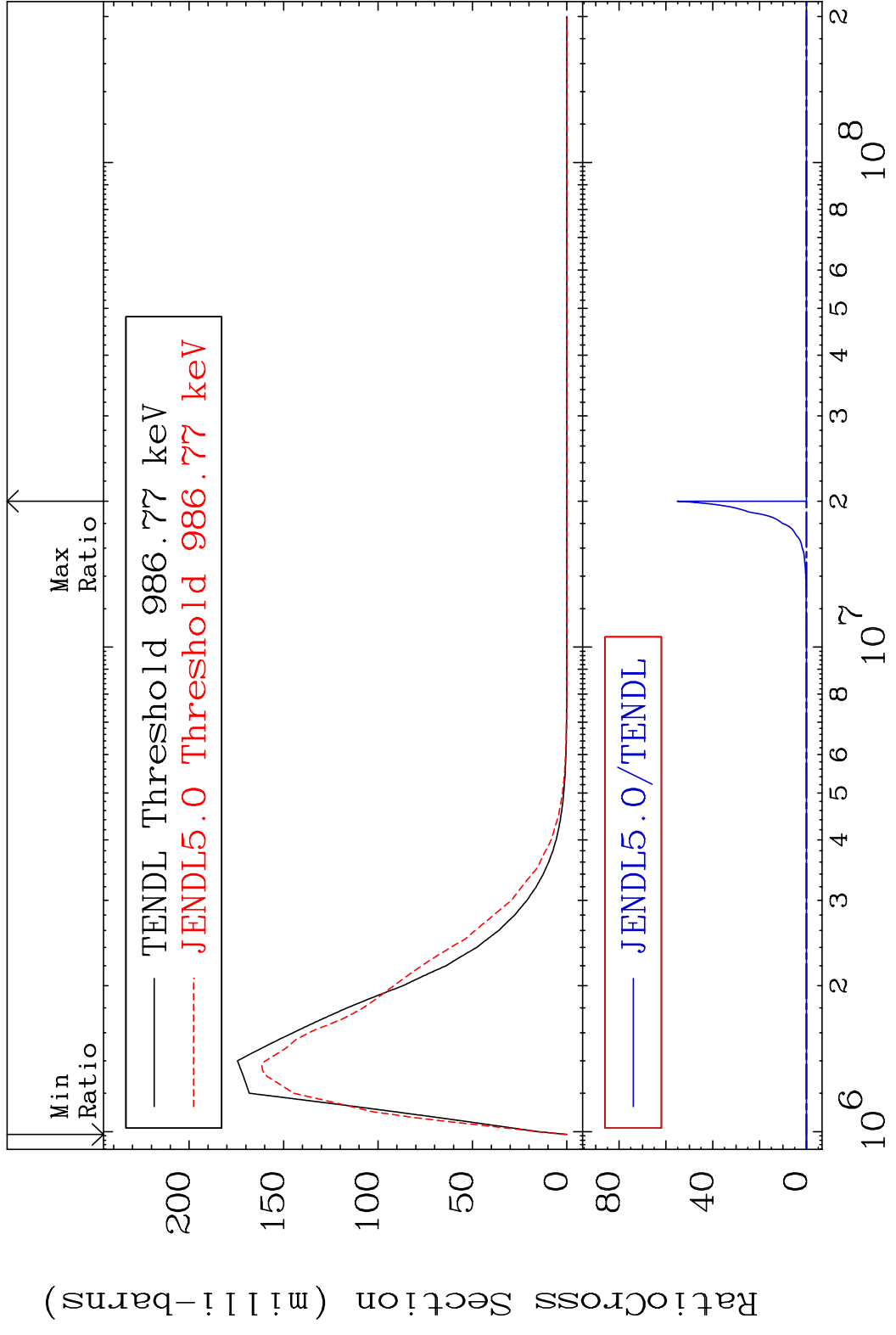


MAT 4519 MT= 61 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 60.09 %



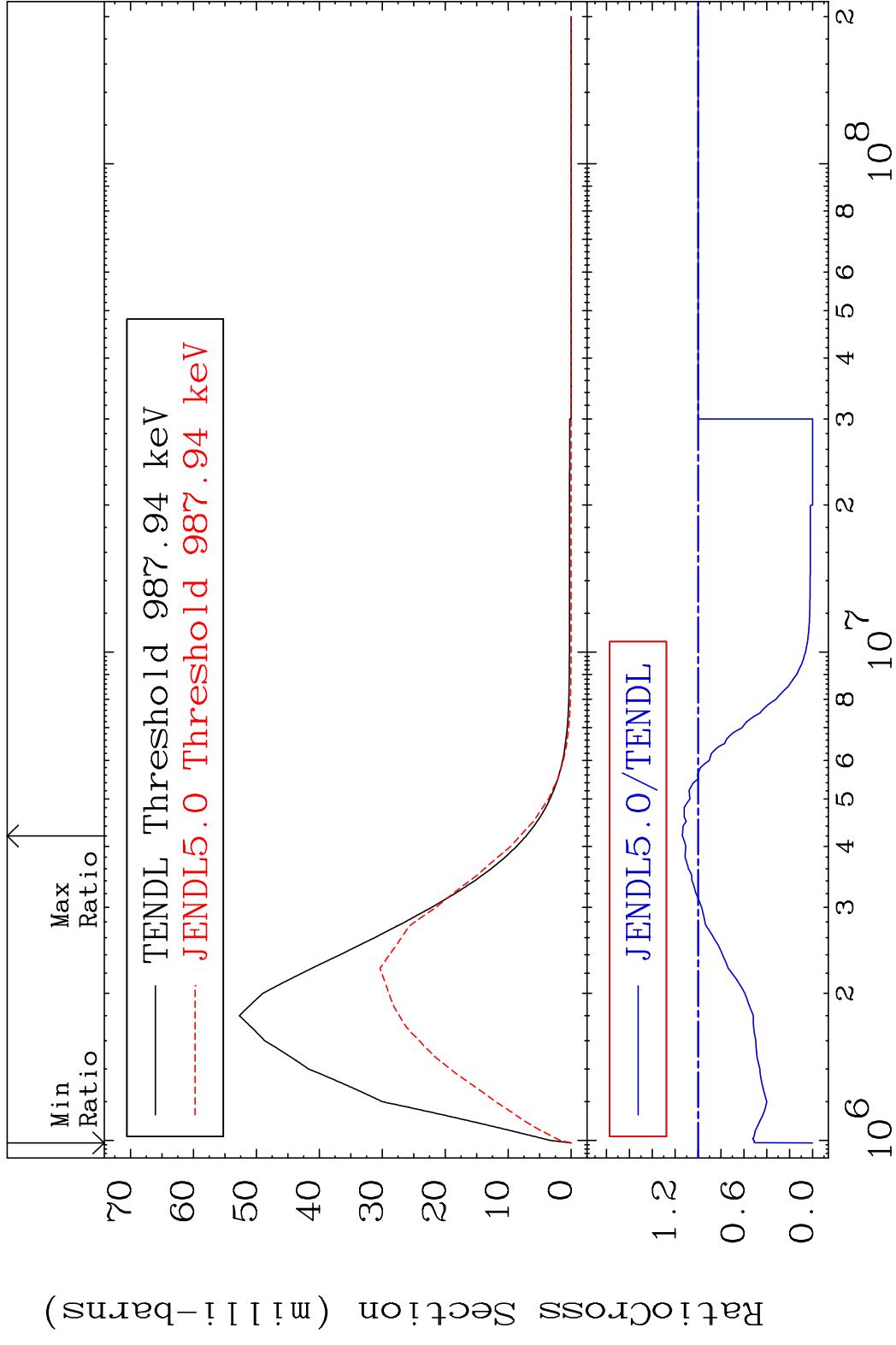


MAT 4519 MT= 62 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



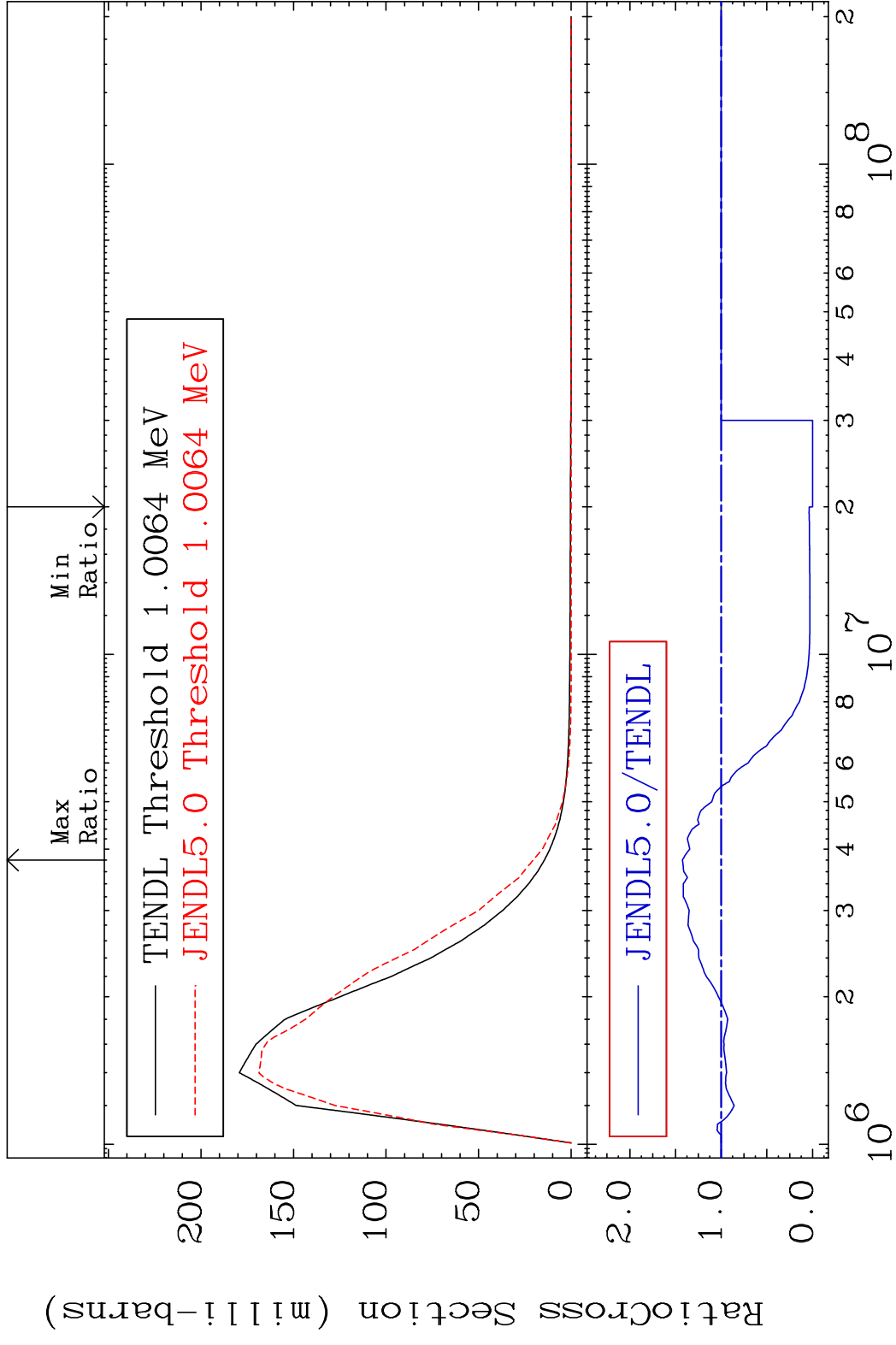
24 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 63 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 13.74 %



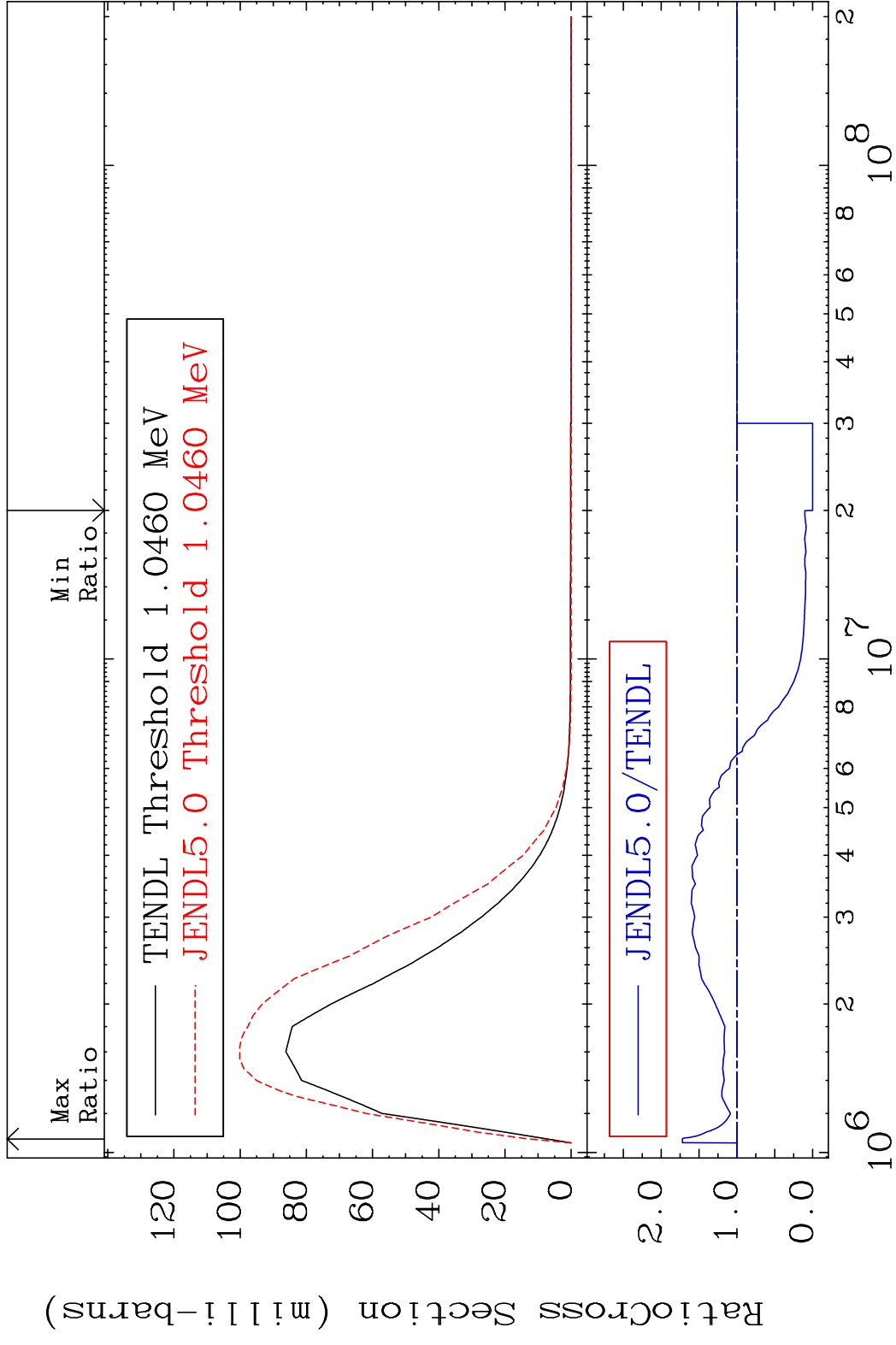
25 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 64 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 42.51 %



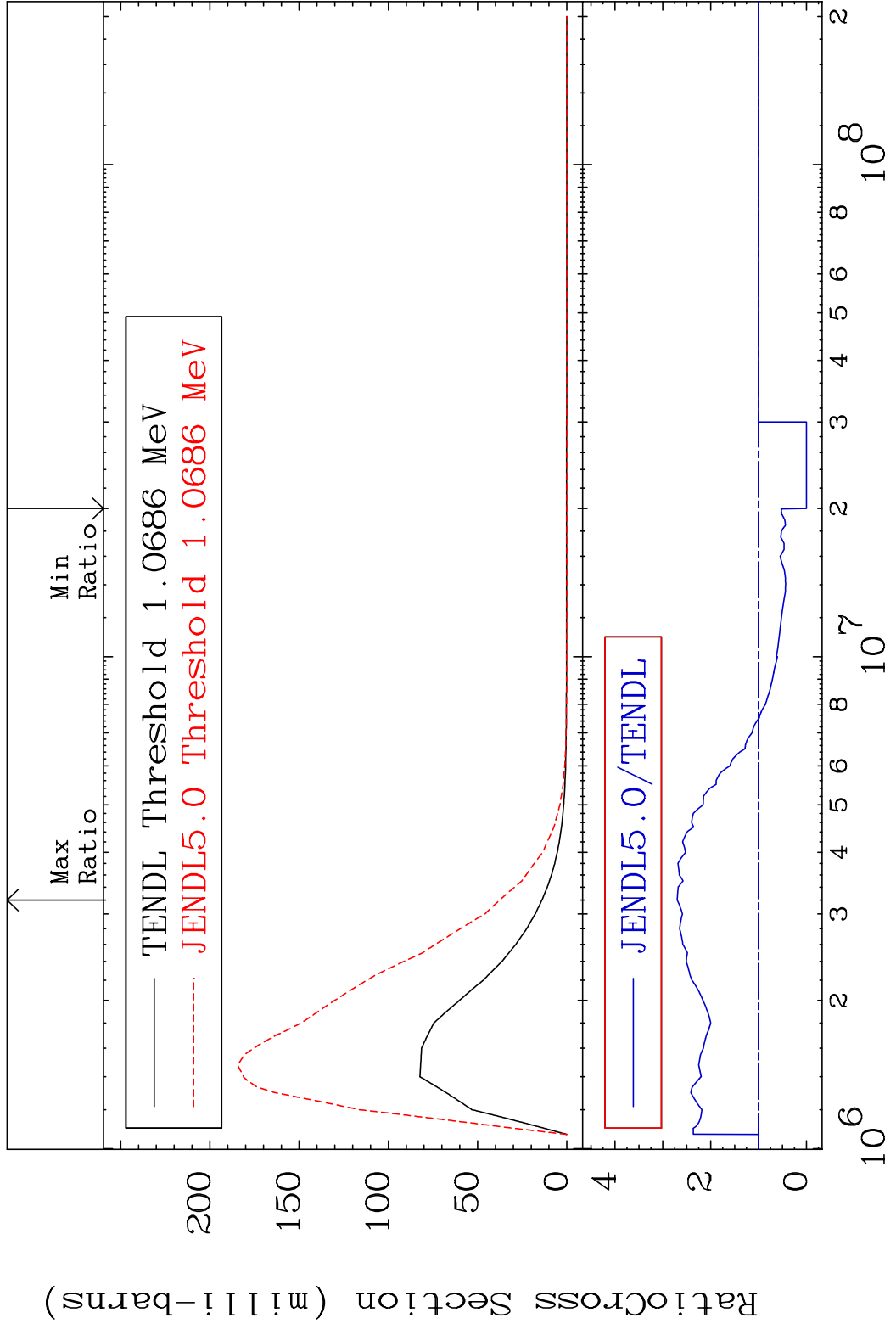
26 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 65 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 72.08 %

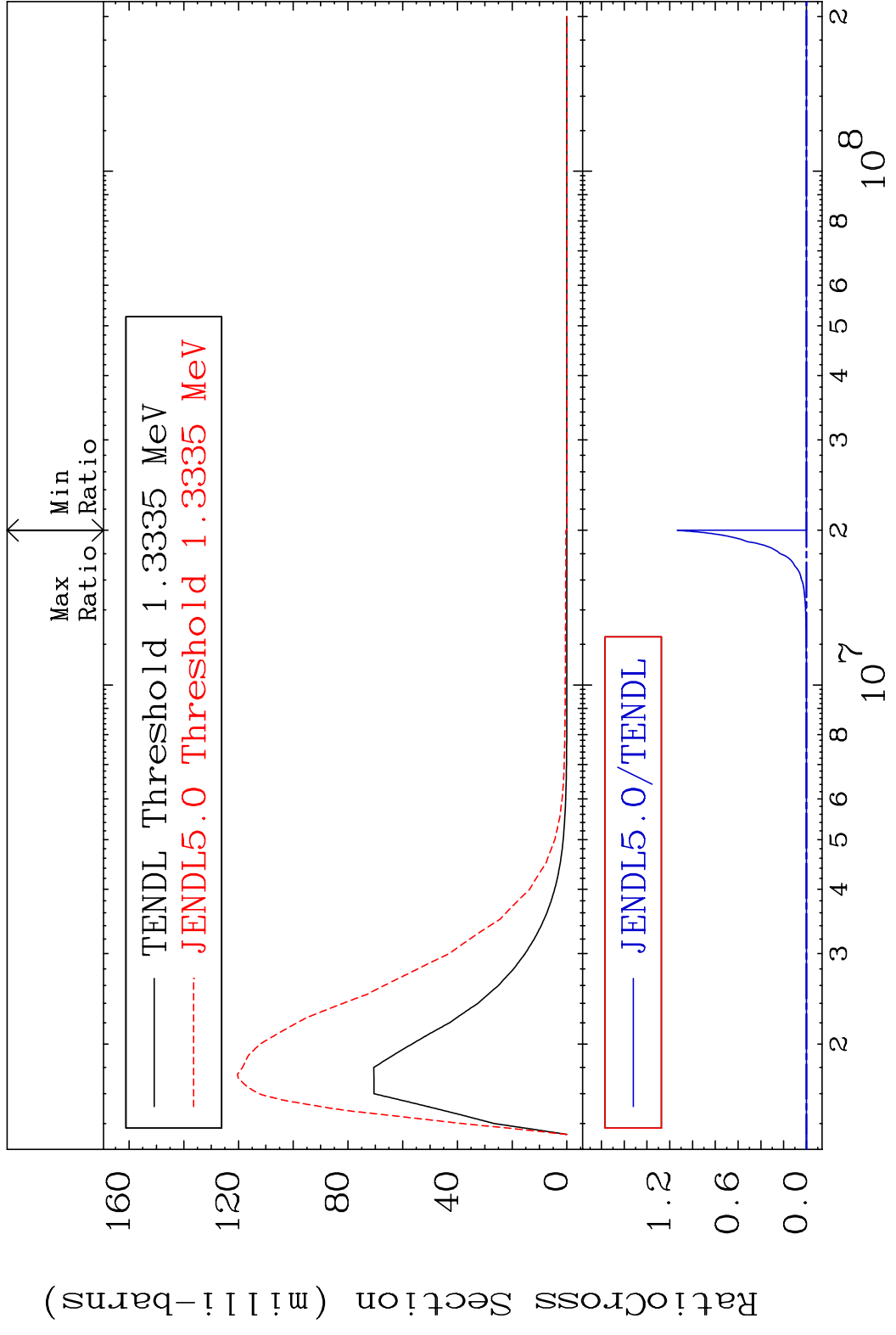


27 Incident Energy (eV) 45-Rh-101

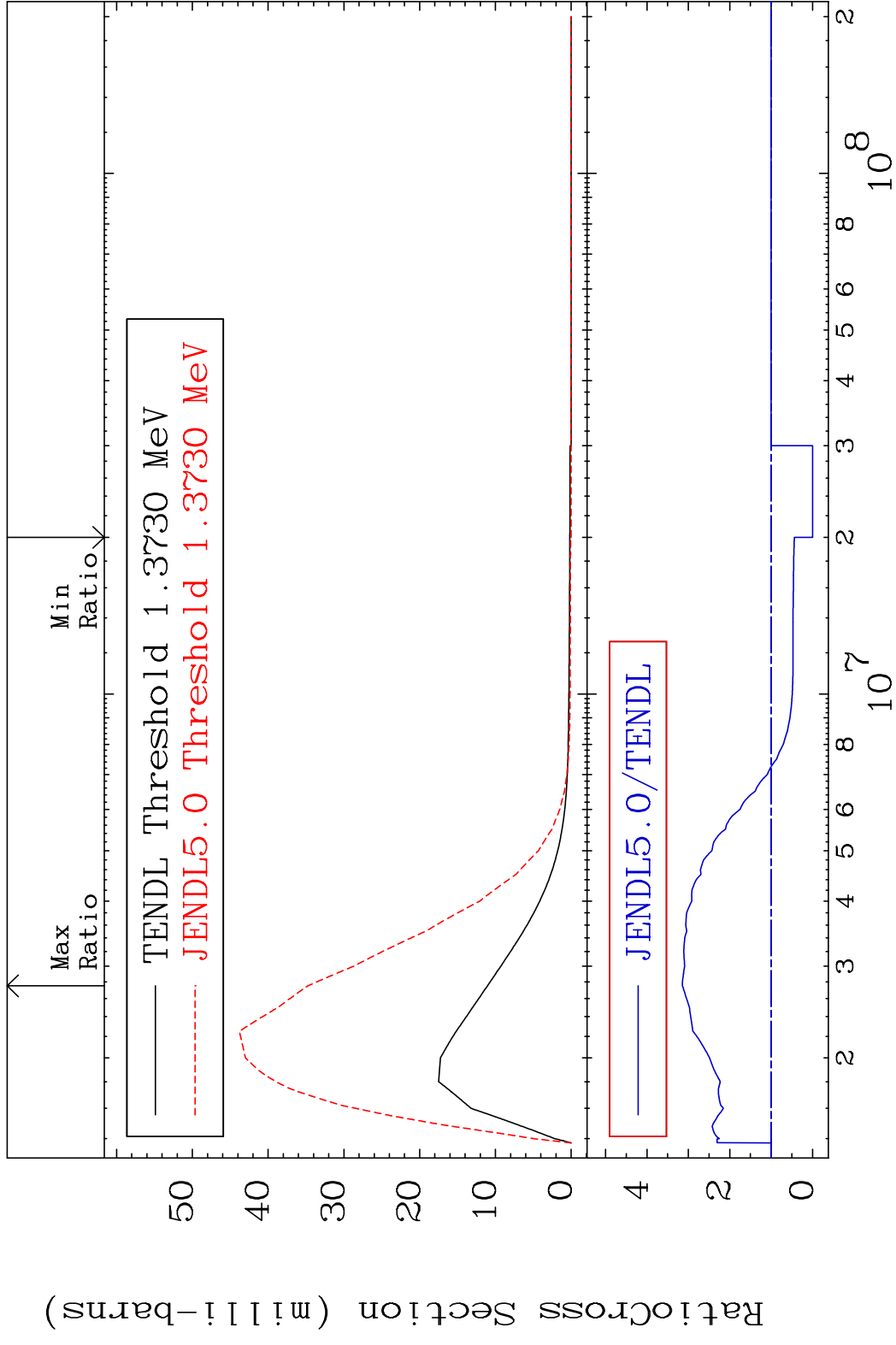
MAT 4519 MT= 66 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 170.0 %



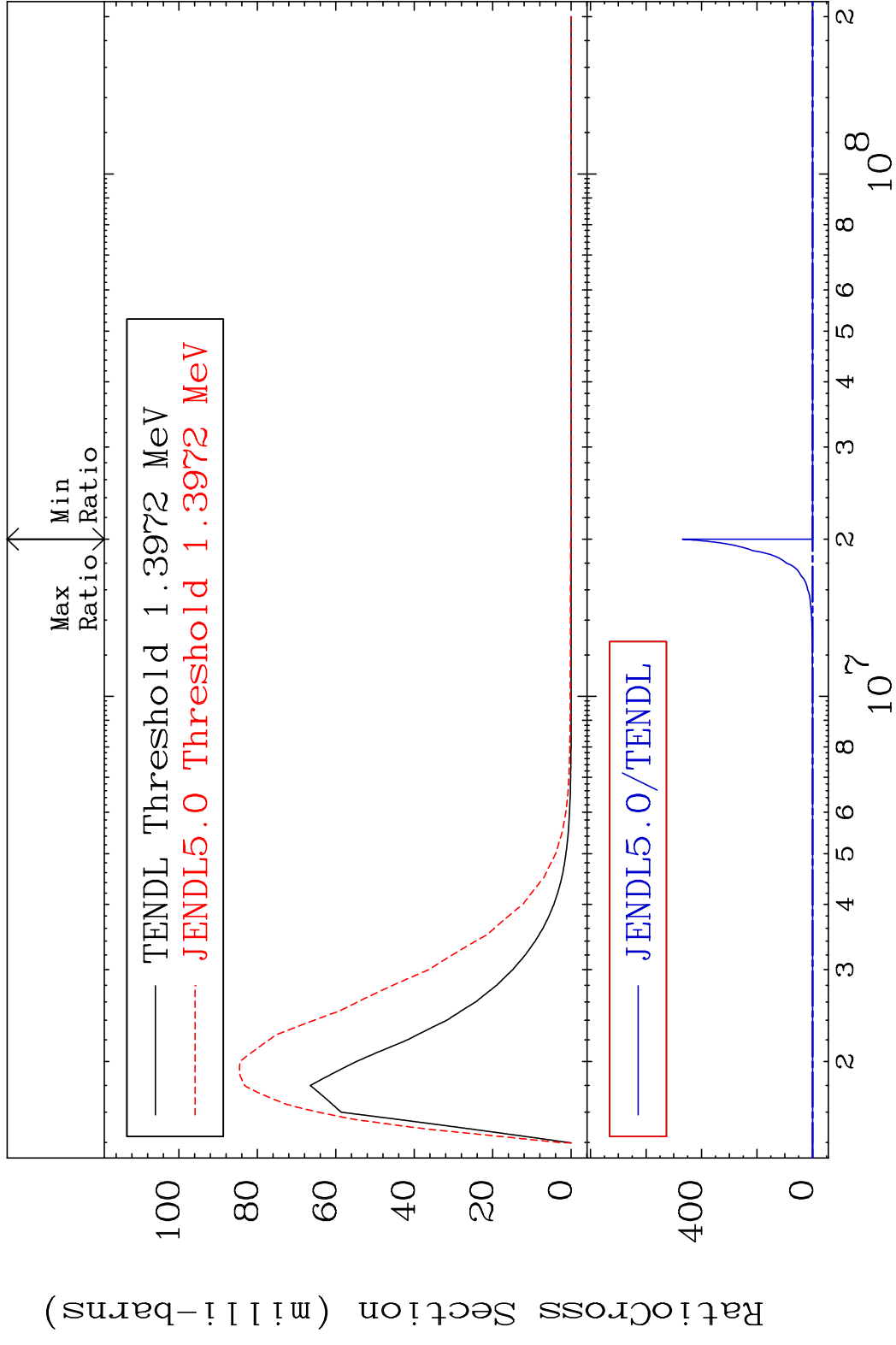
MAT 4519 MT= 67 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



MAT 4519 MT= 68 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 214.5 %

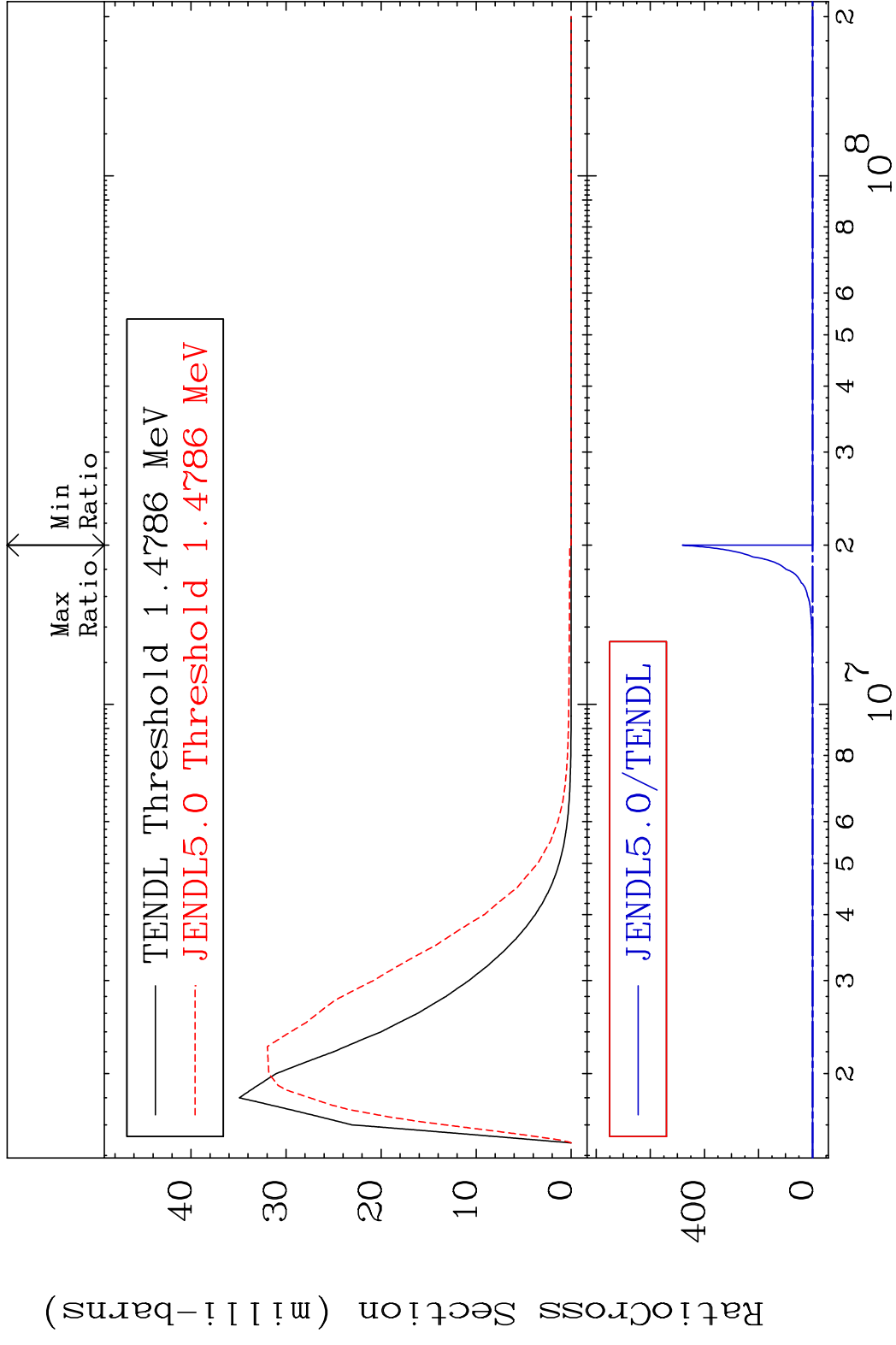


MAT 4519 MT= 69 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %

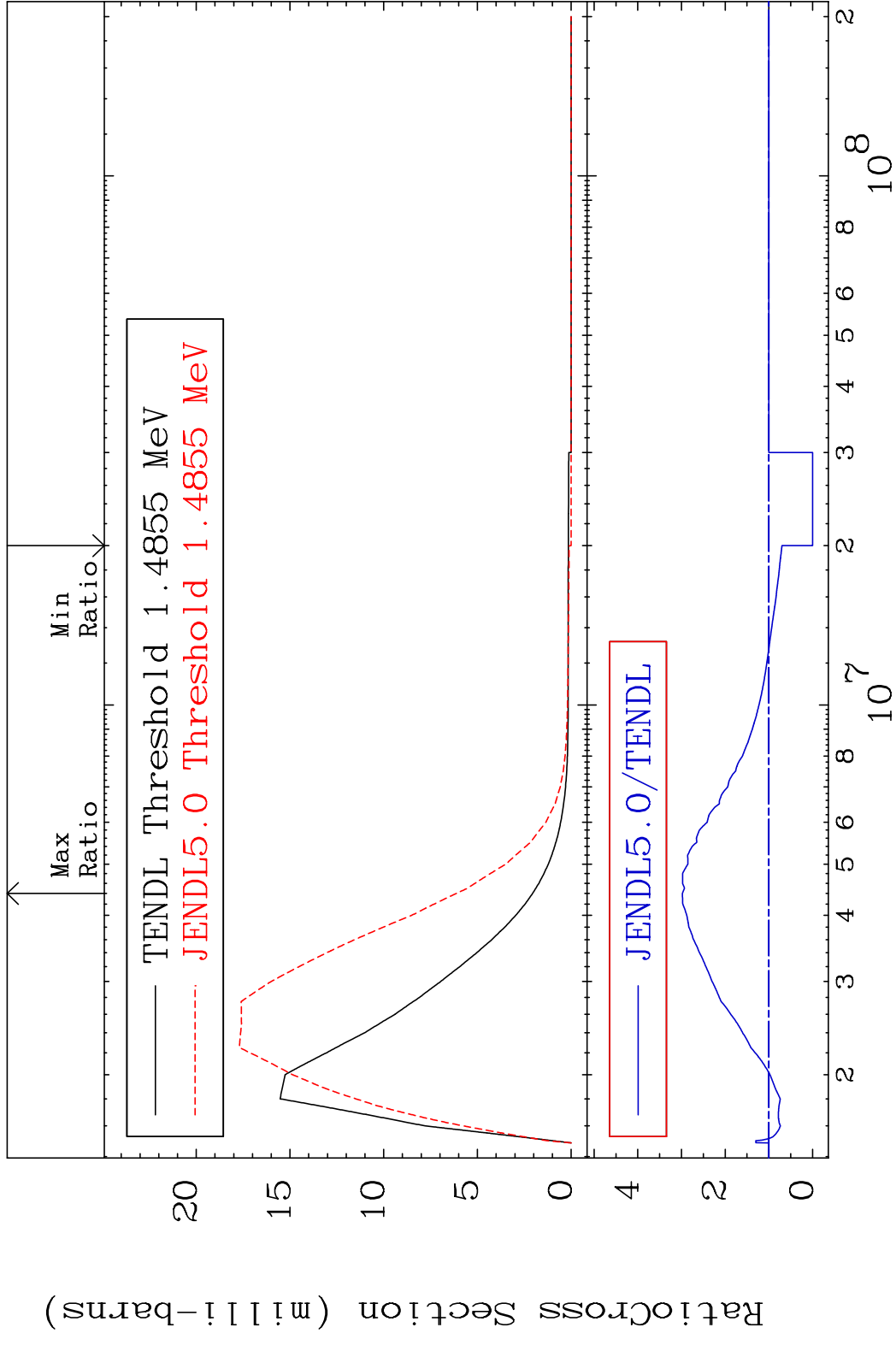




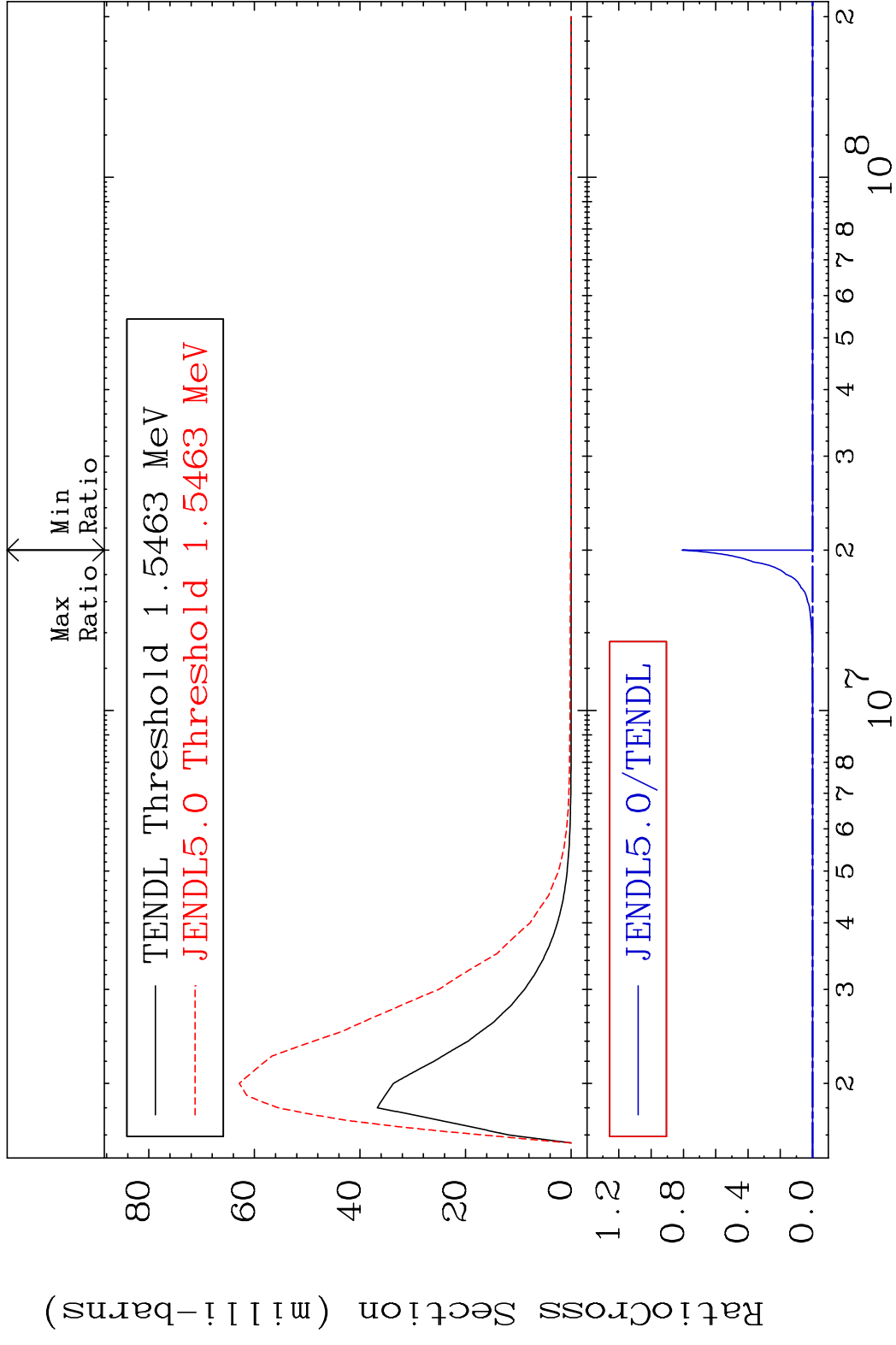
MAT 4519 MT= 70 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



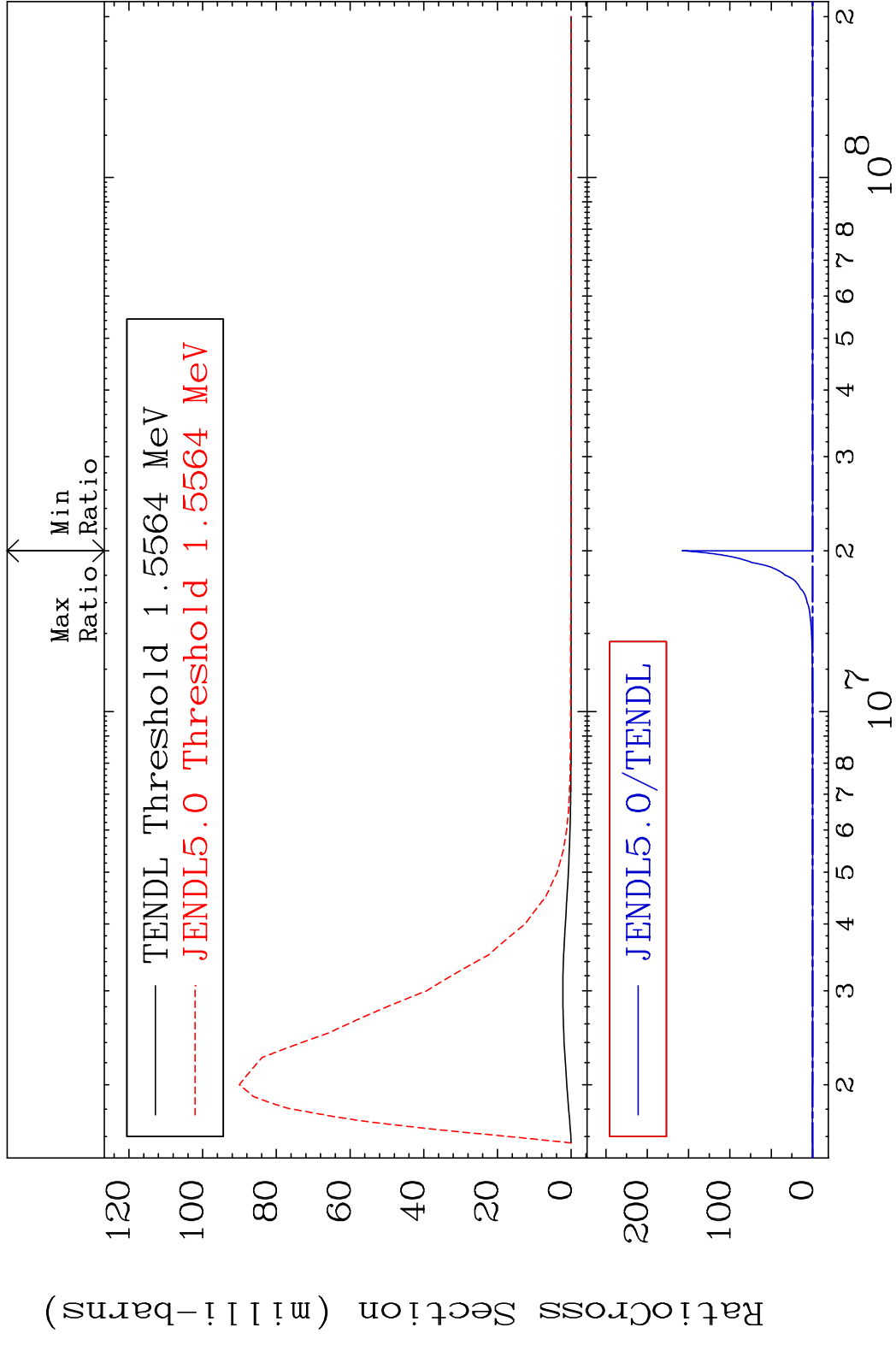
MAT 4519 MT= 71 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 198.0 %



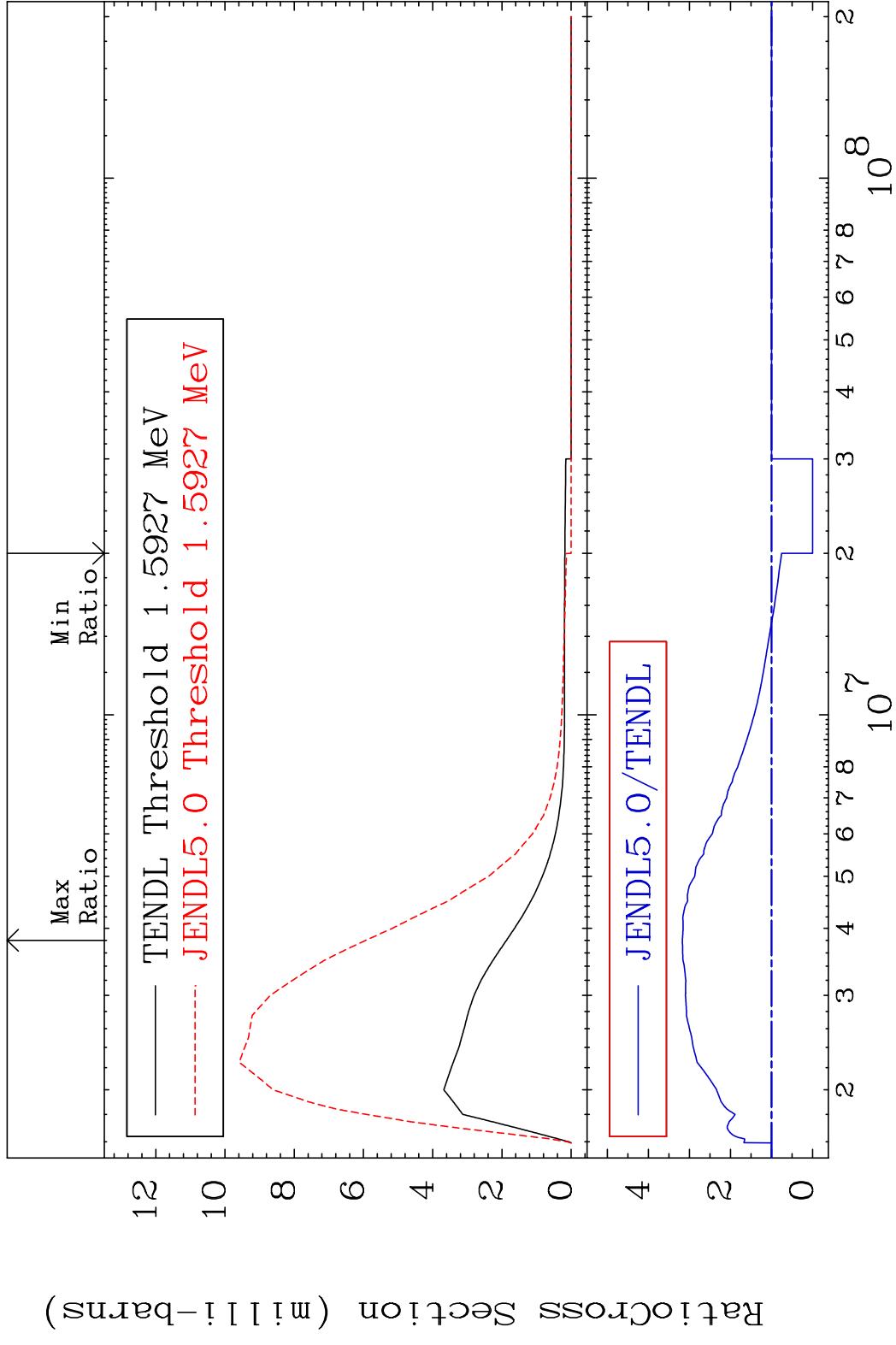
MAT 4519 MT= 72 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



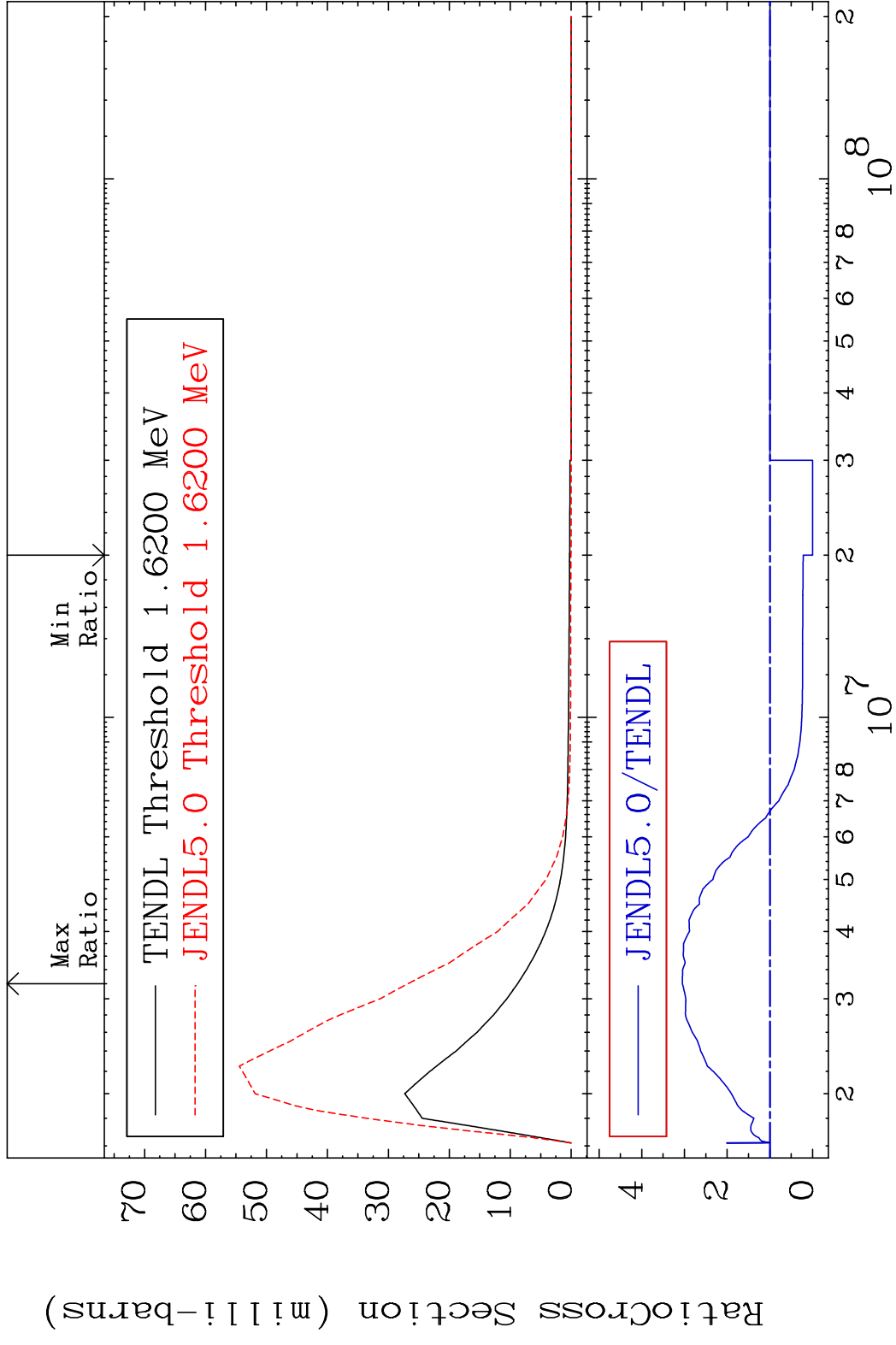
MAT 4519 MT= 73 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



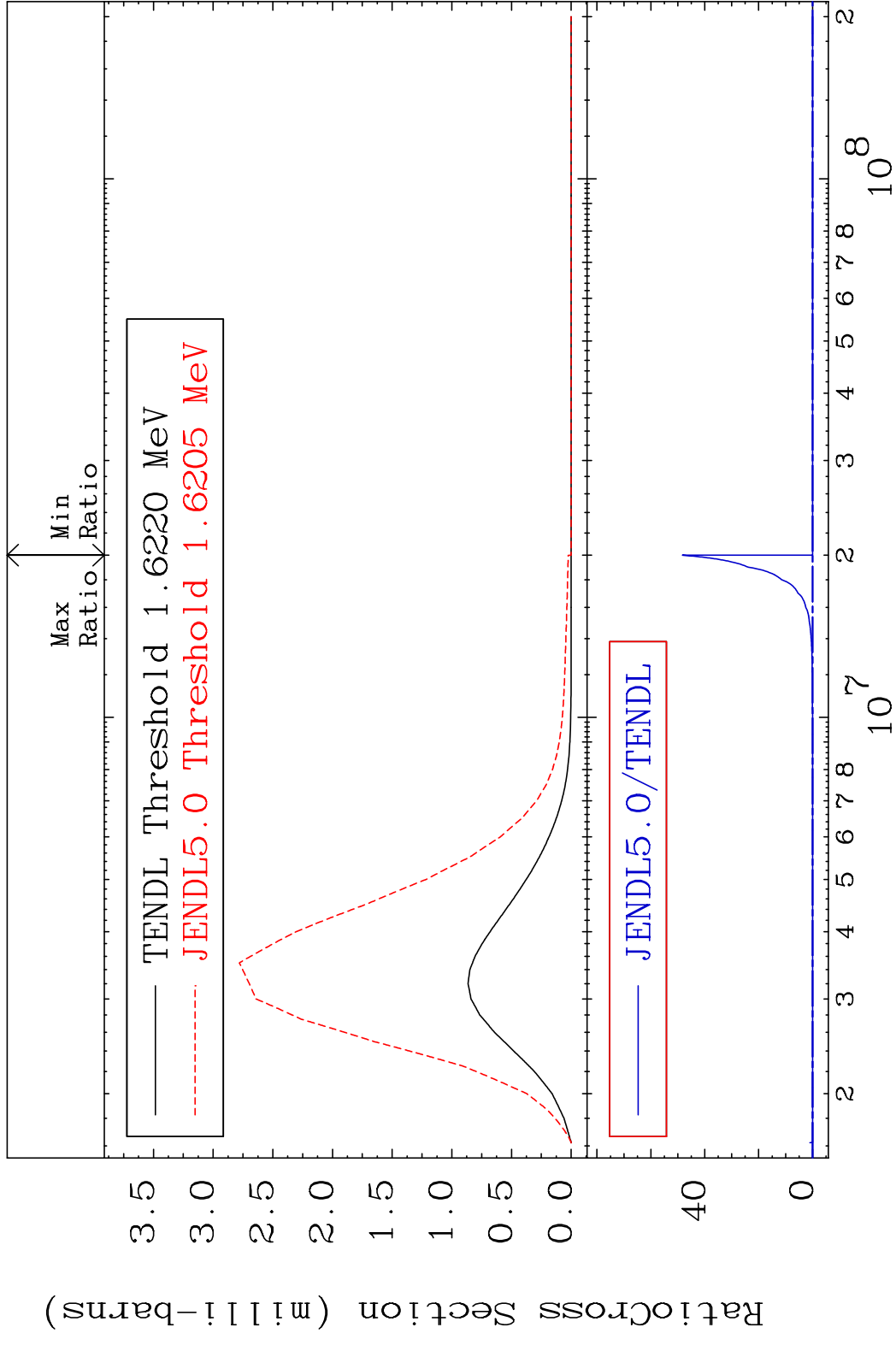
MAT 4519 MT= 74 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 217.4 %



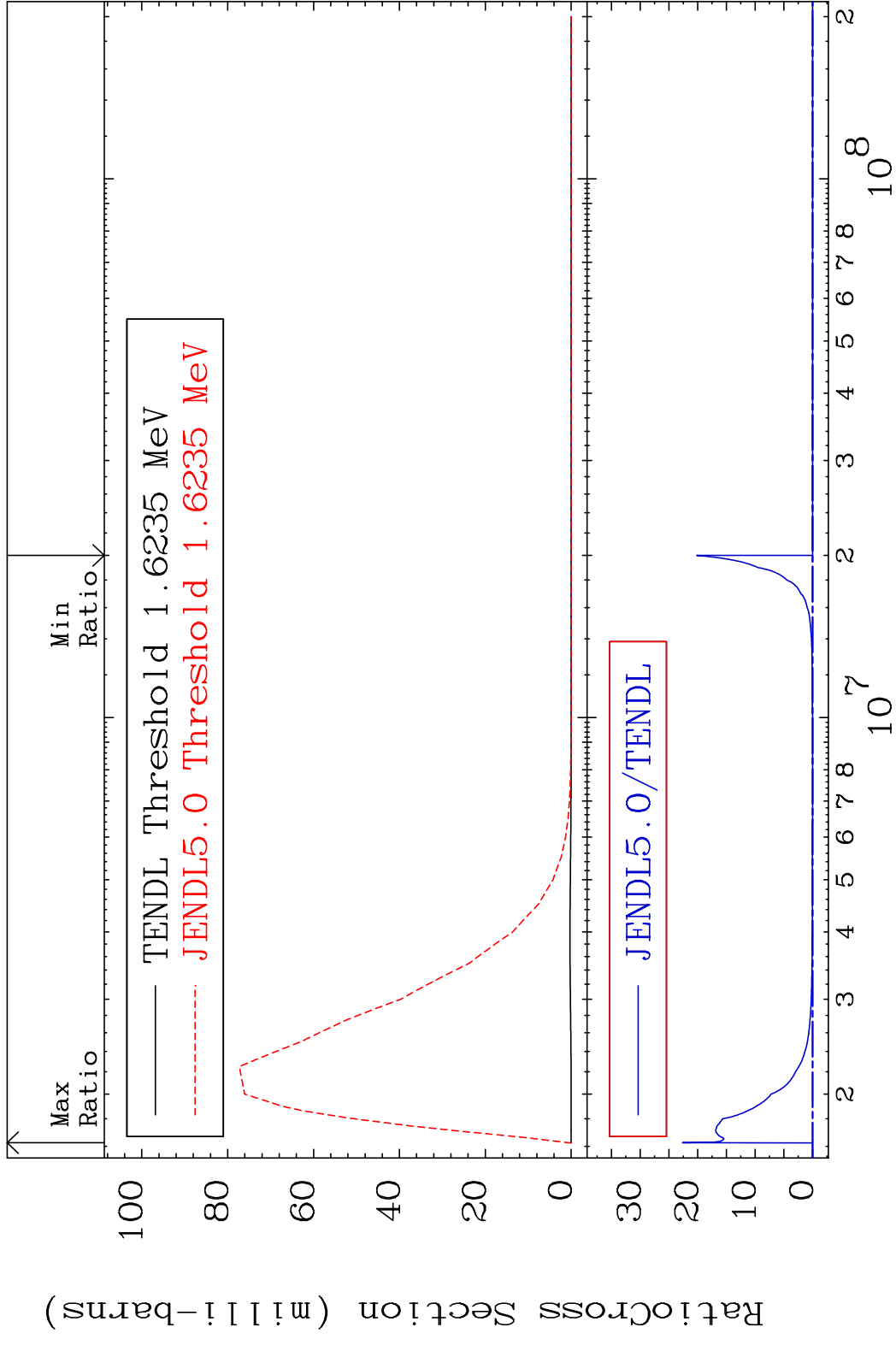
MAT 4519 MT= 75 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 204.9 %



MAT 4519 MT= 76 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %

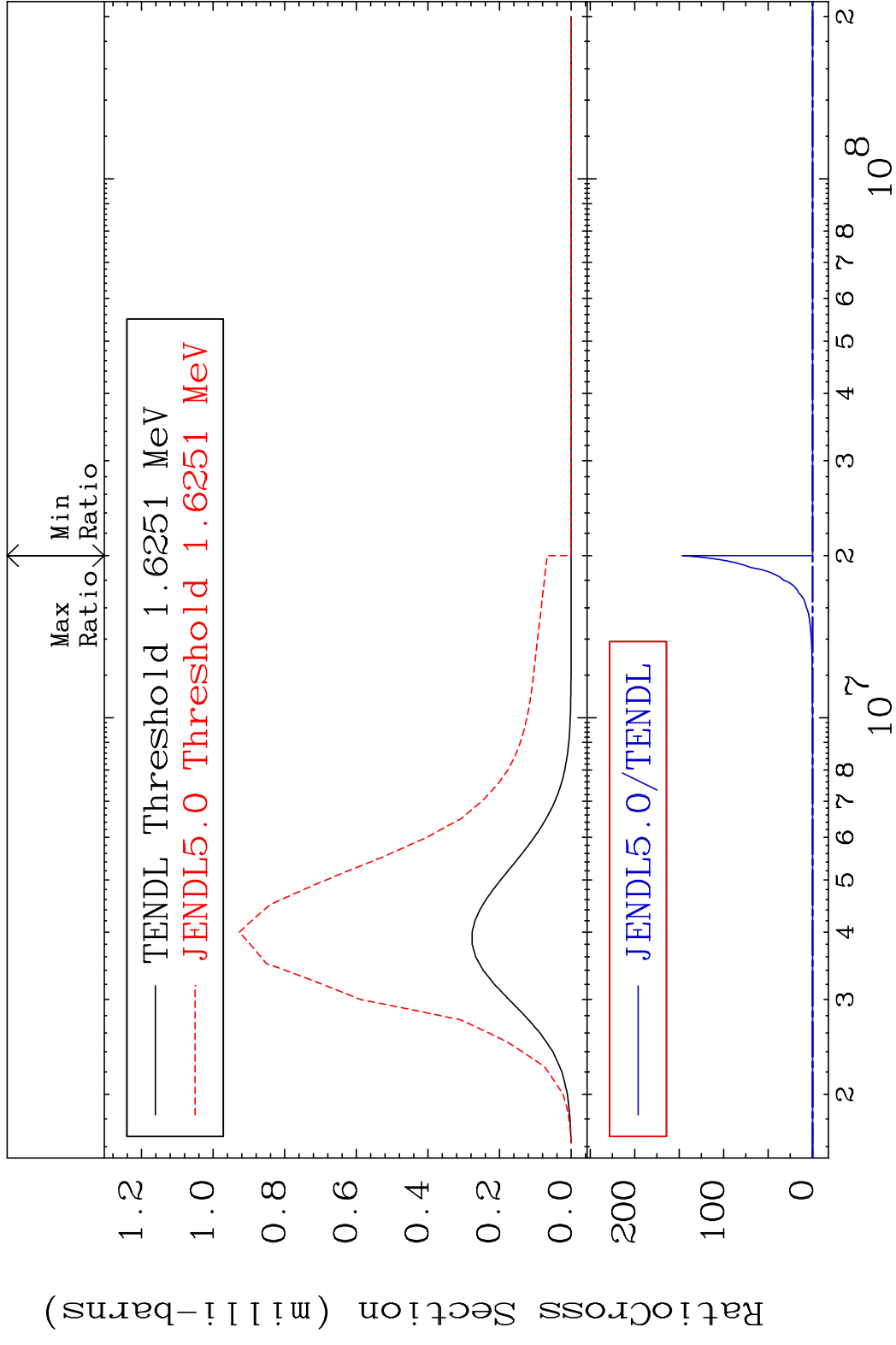


MAT 4519 MT= 77 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



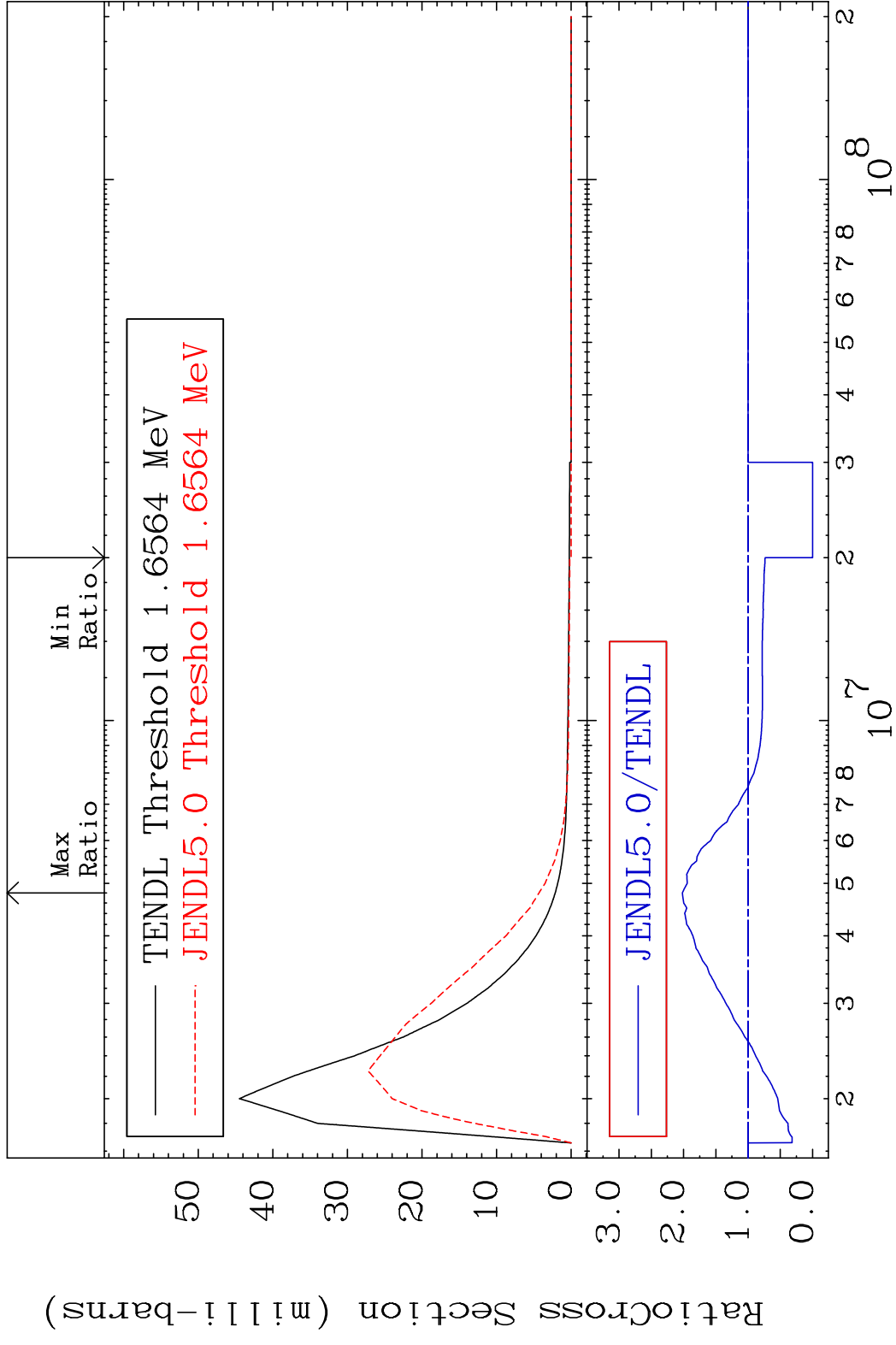


MAT 4519 MT= 78 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 45-Rh-101

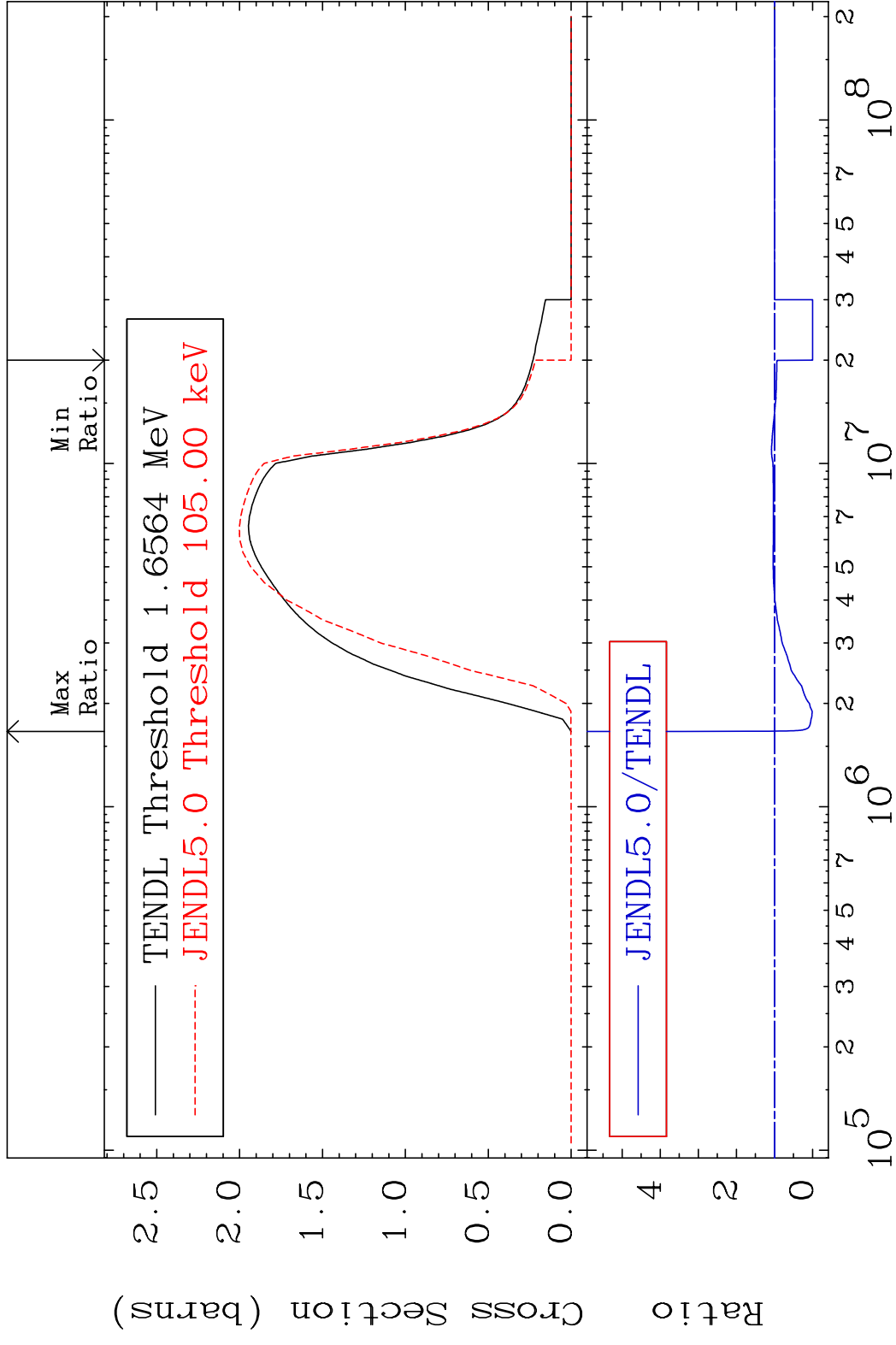
MAT 4519 MT= 79 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 101.9 %



MAT 4519

(n,n') Continuum  
Cross Section -100.0 To 241.9 %

45-Rh-101



42

Incident Energy (eV)

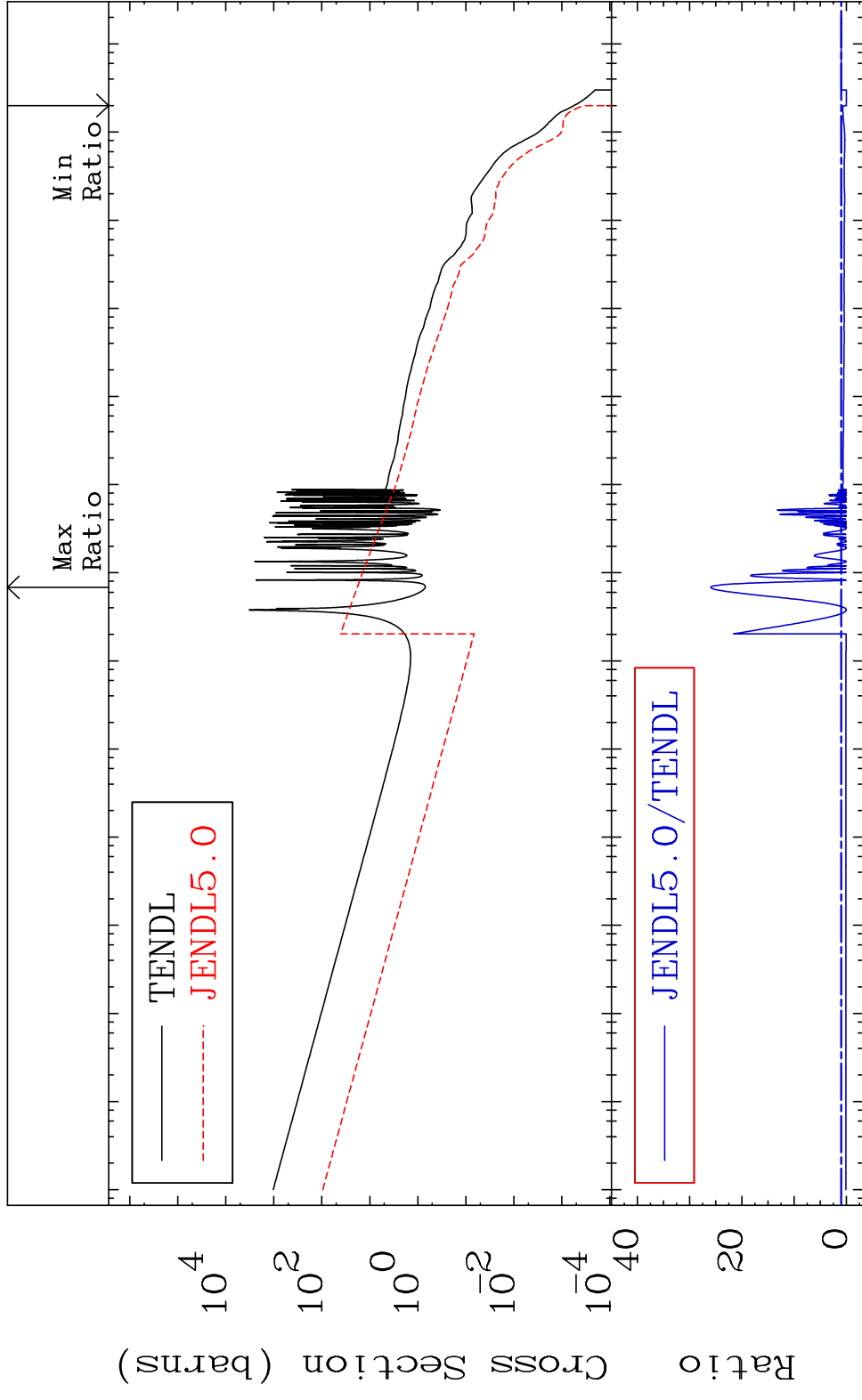
45-Rh-101

MAT 4519

45-Rh-101

(n,  $\gamma$ )

Cross Section -100.0 To 2495. %



43

Incident Energy (eV)

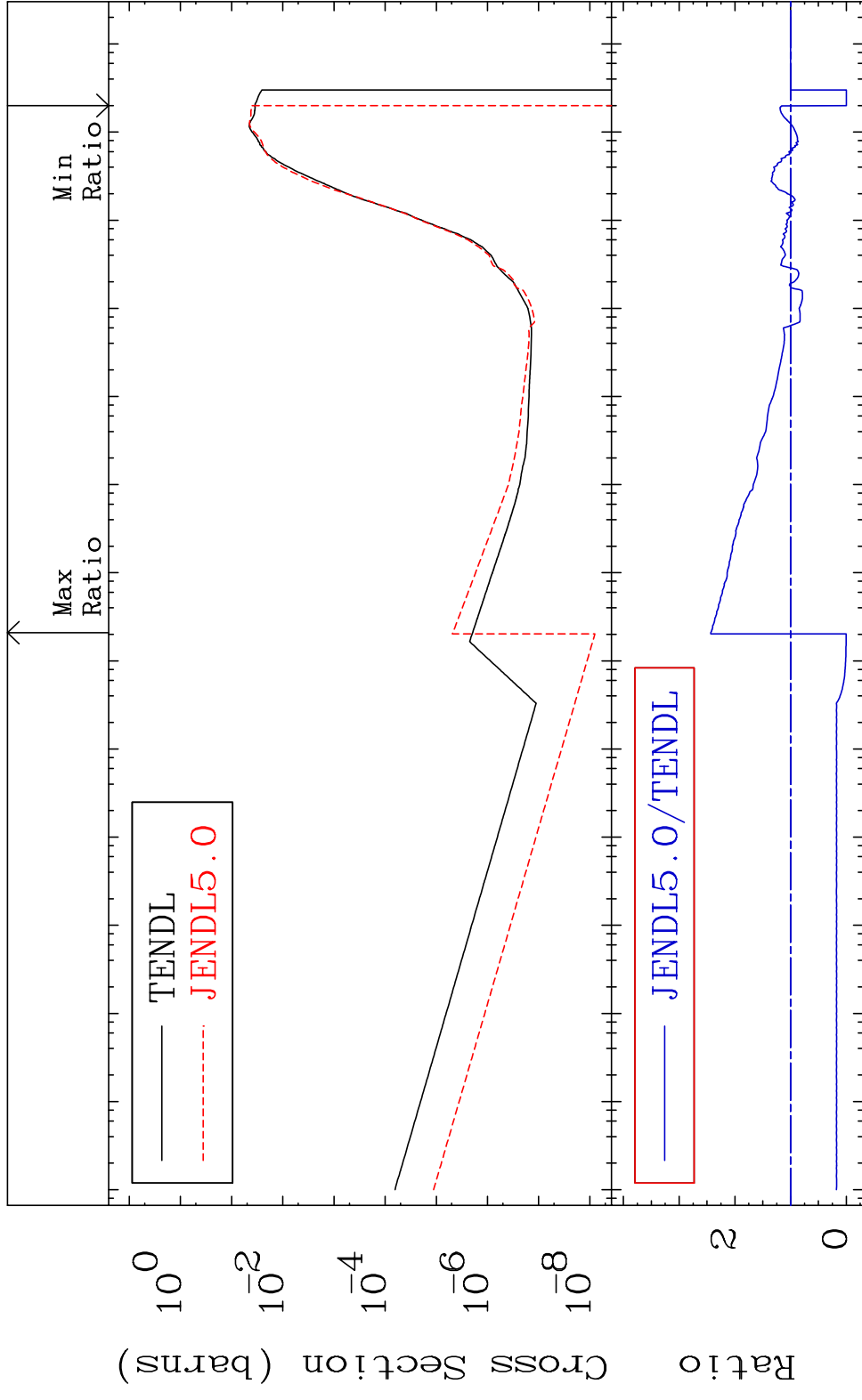
45-Rh-101

MAT 4519

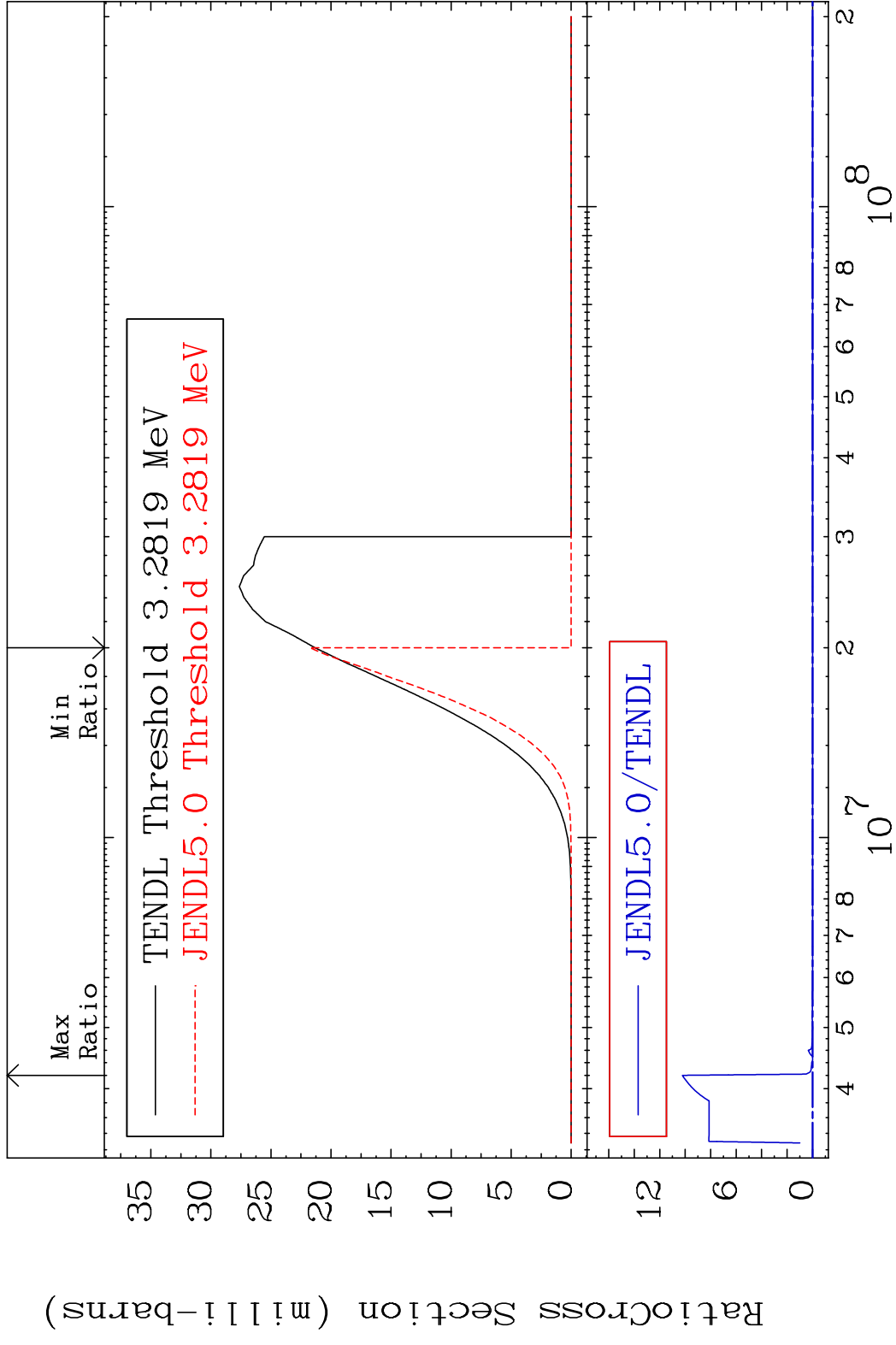
(n, p)

45-Rh-101

Cross Section -100.0 To 143.4 %



MAT 4519 (n,d) 45-Rh-101  
 Cross Section -100.0 To 9999. %



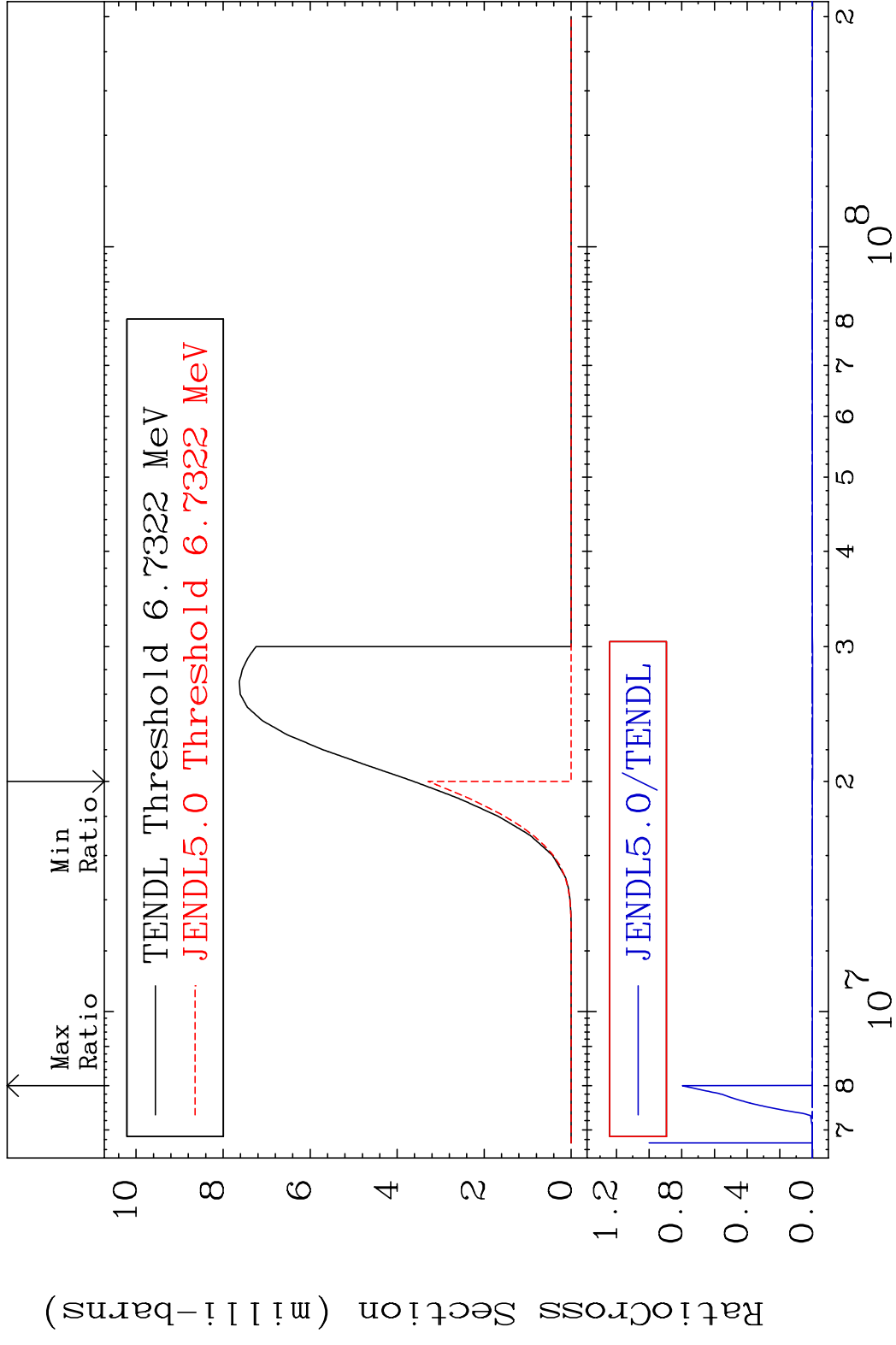
45 45-Rh-101

MAT 4519

(n, t)

45-Rh-101

Cross Section -100.0 To 9999. %

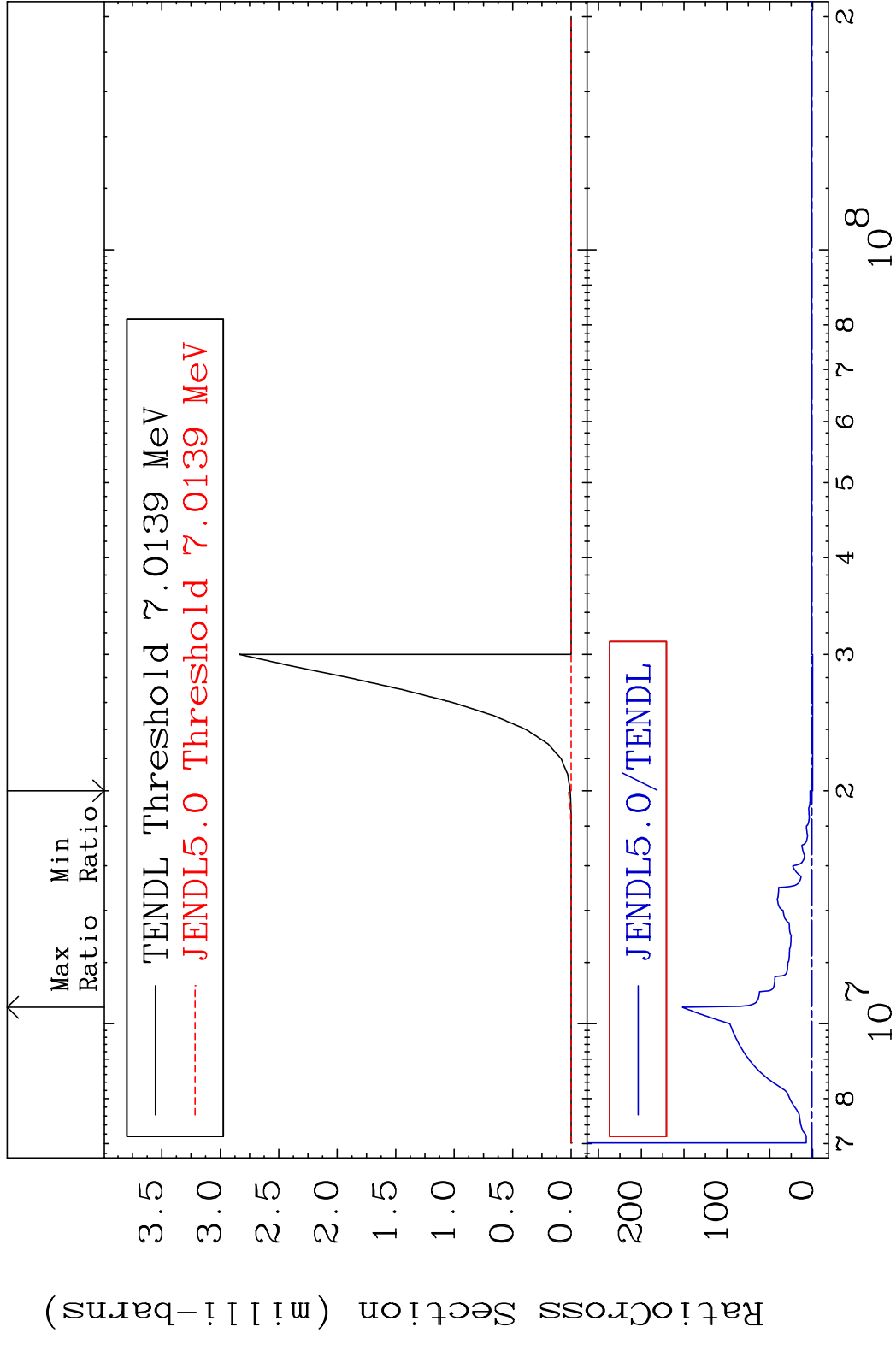


MAT 4519

(n, He-3)

45-Rh-101

Cross Section -100.0 To 9999. %



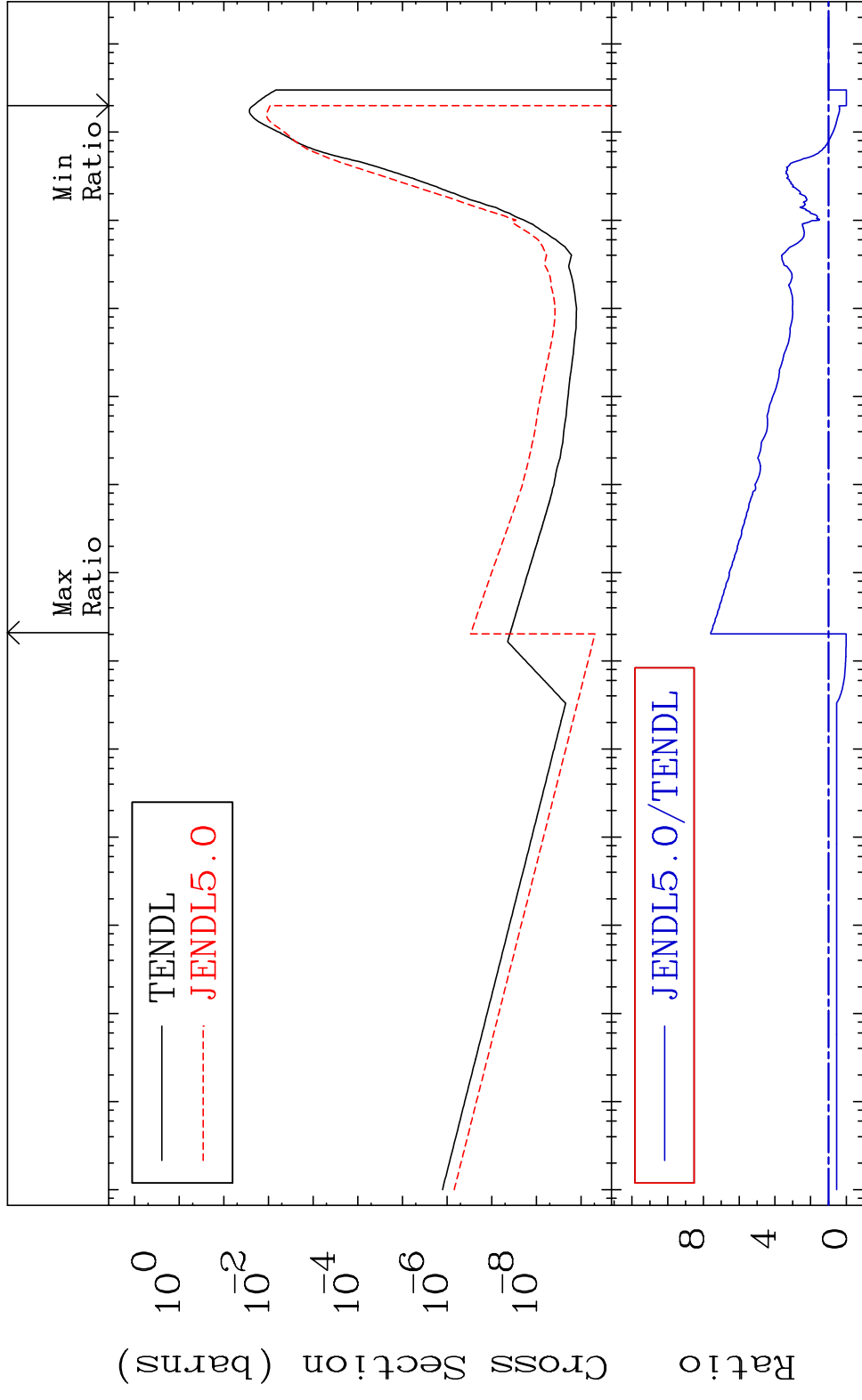
47

Incident Energy (eV)

45-Rh-101



MAT 4519 (n,  $\alpha$ ) 45-Rh-101  
 Cross Section -100.0 To 659.3 %

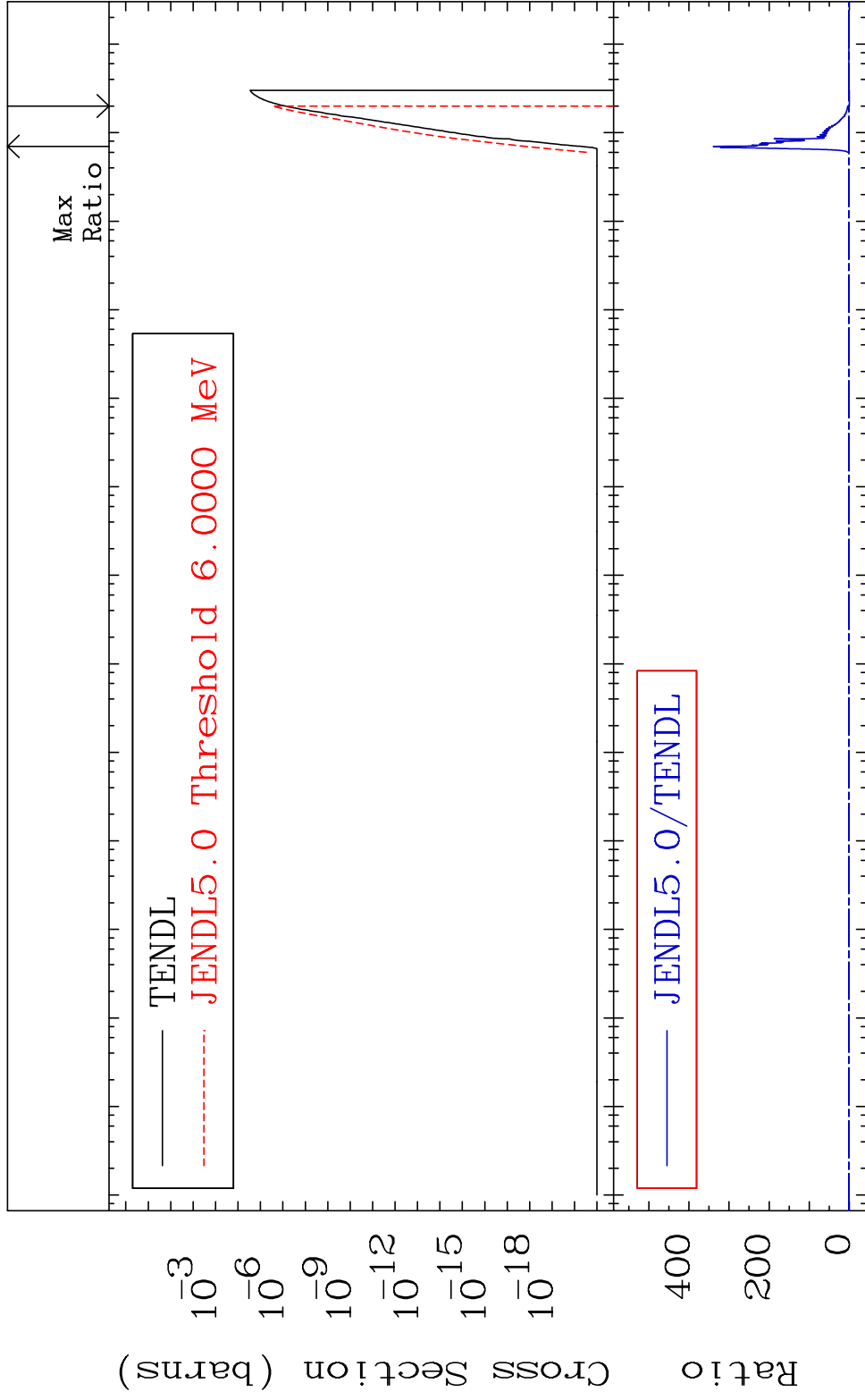


MAT 4519

(n,2α)

45-Rh-101

Cross Section -100.0 To 9999. %

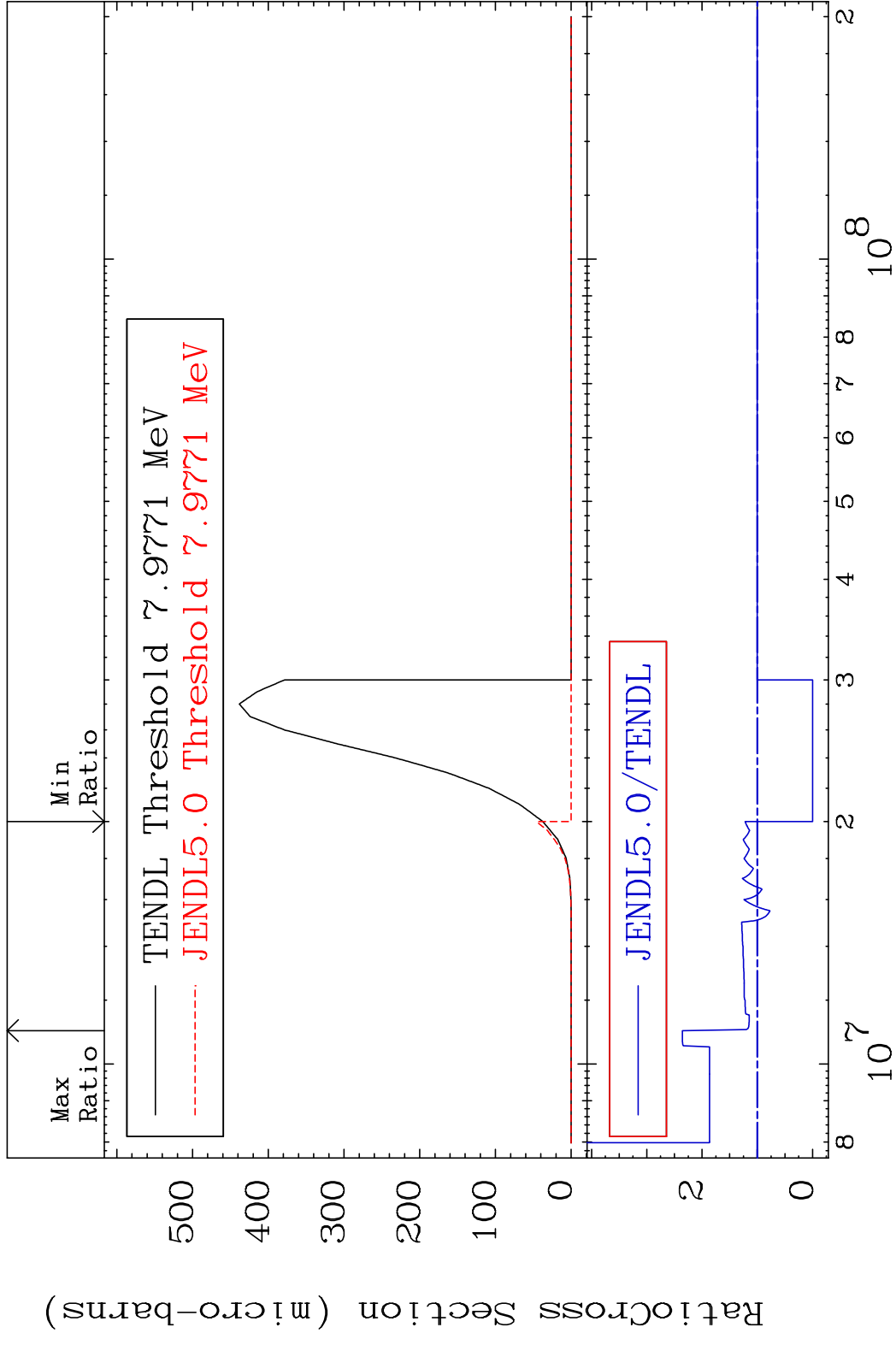


49

Incident Energy (eV)

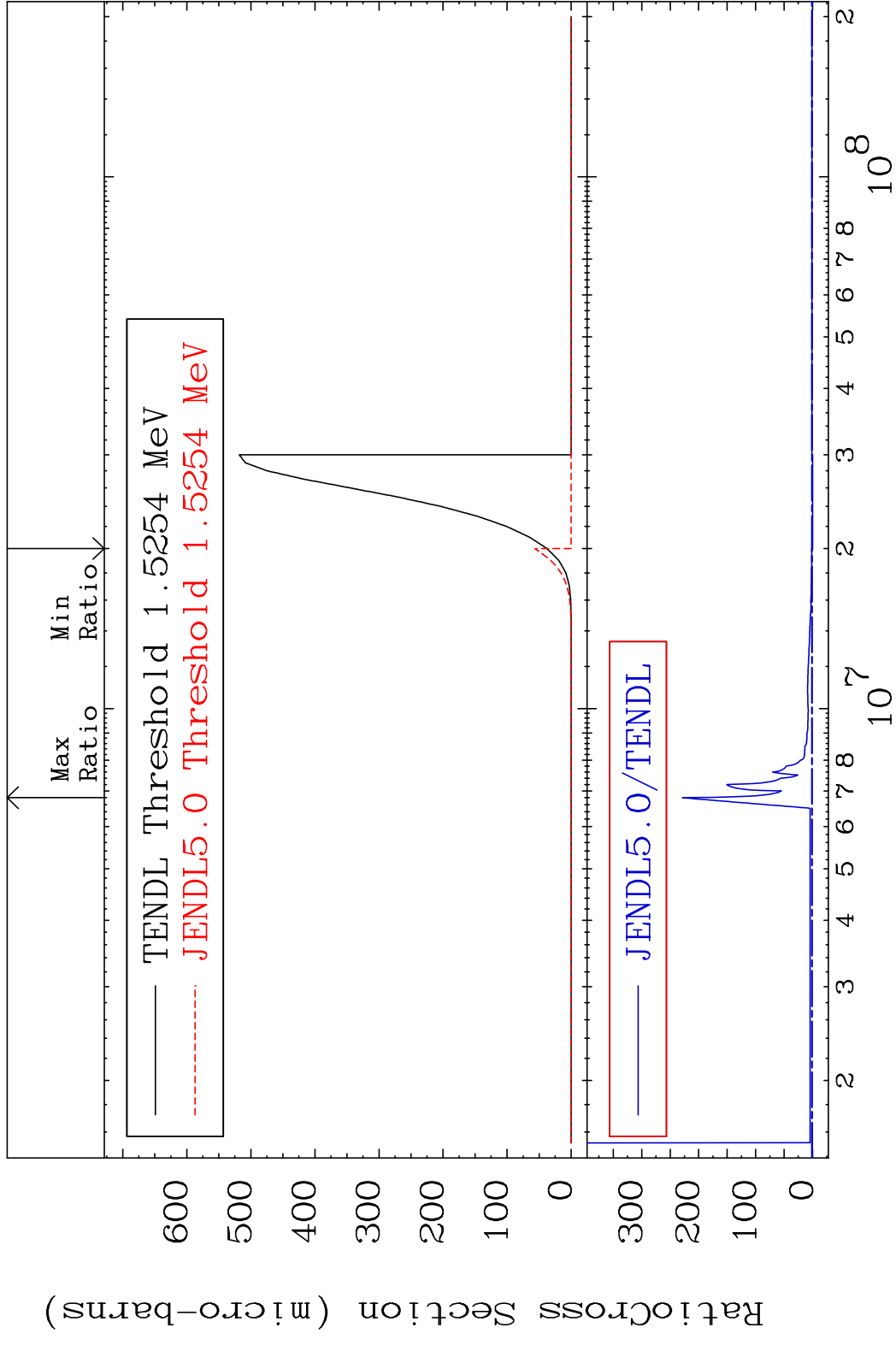
45-Rh-101

MAT 4519 (n,2p) 45-Rh-101  
 Cross Section -100.0 To 135.6 %

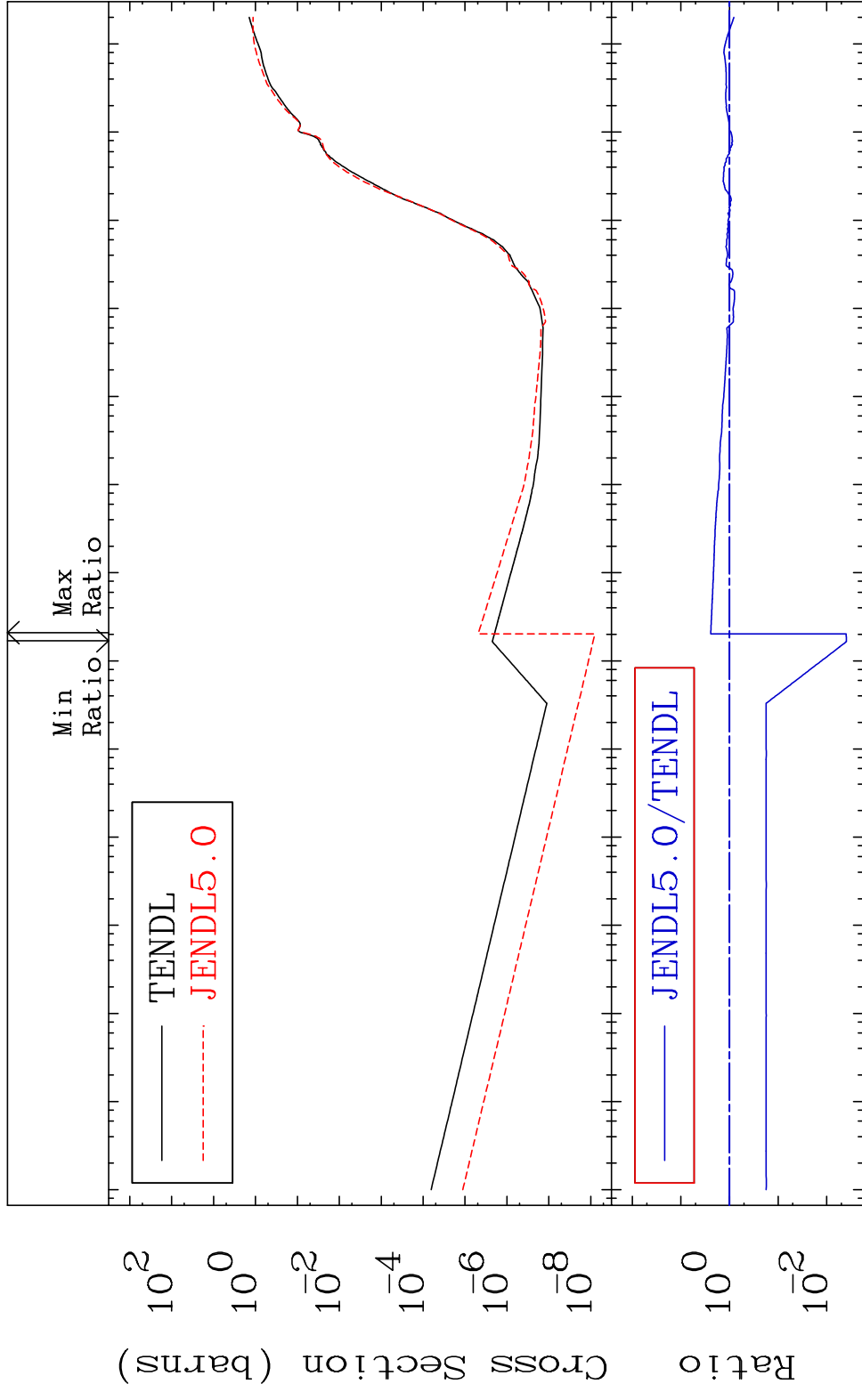


50 Incident Energy (eV) 45-Rh-101

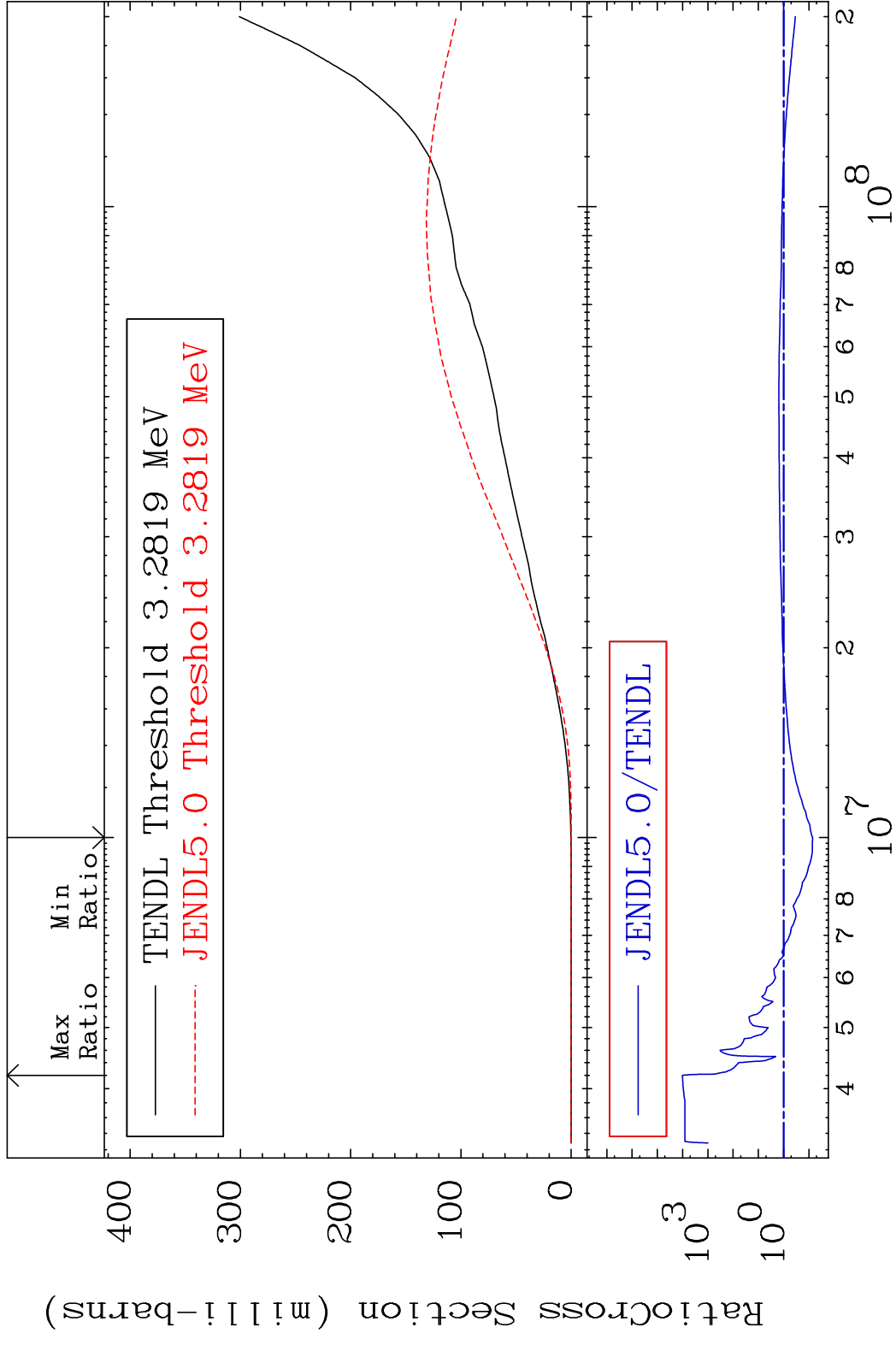
MAT 4519 (n,p)  $\alpha$  45-Rh-101  
 Cross Section -100.0 To 9999. %



MAT 4519 Hydrogen Production 45-Rh-101  
 Cross Section -99.61 To 143.4 %



Incident Energy (eV) 45-Rh-101

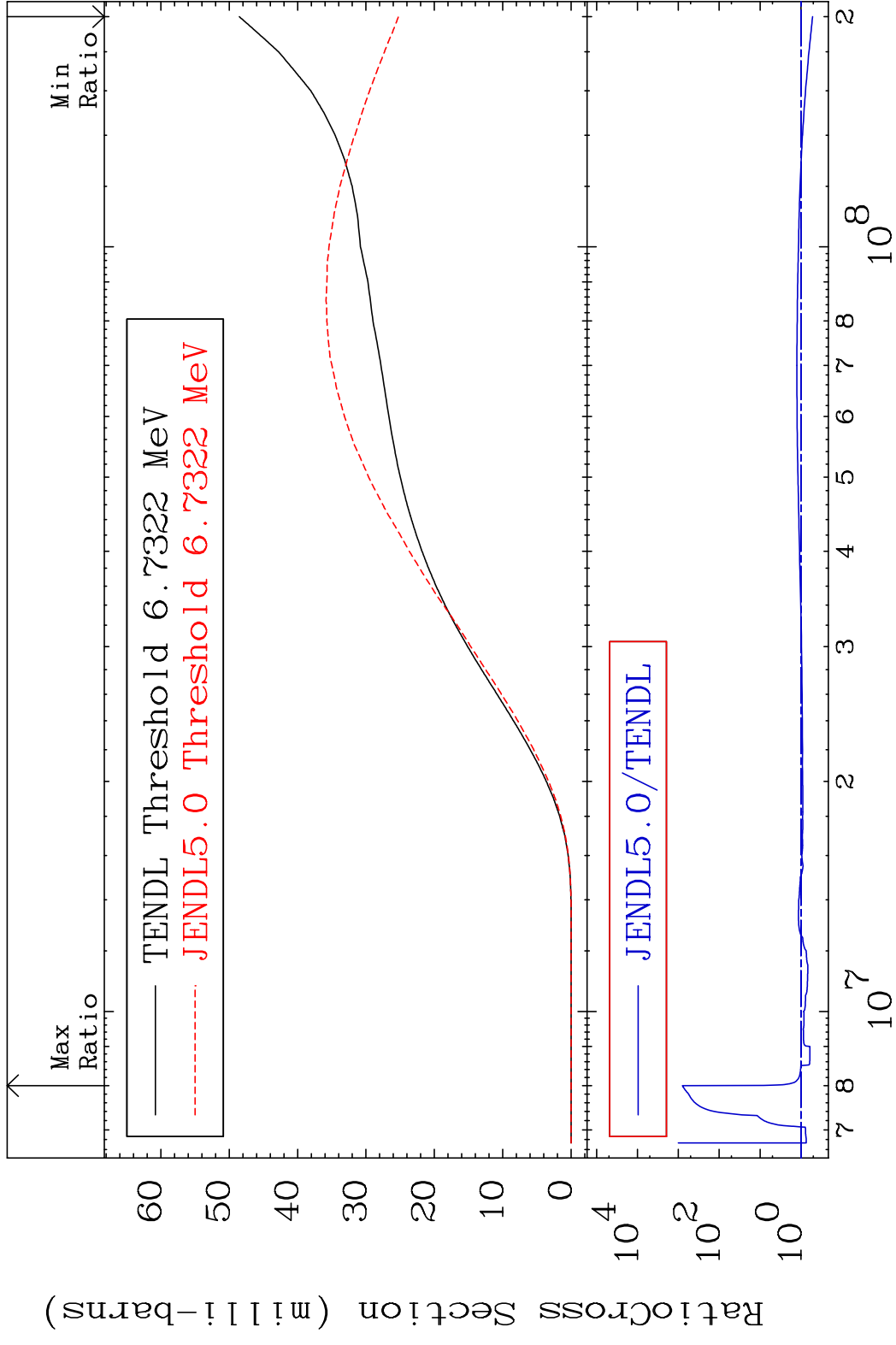


MAT 4519

Tritium Production

45-Rh-101

Cross Section -47.95 To 9999. %

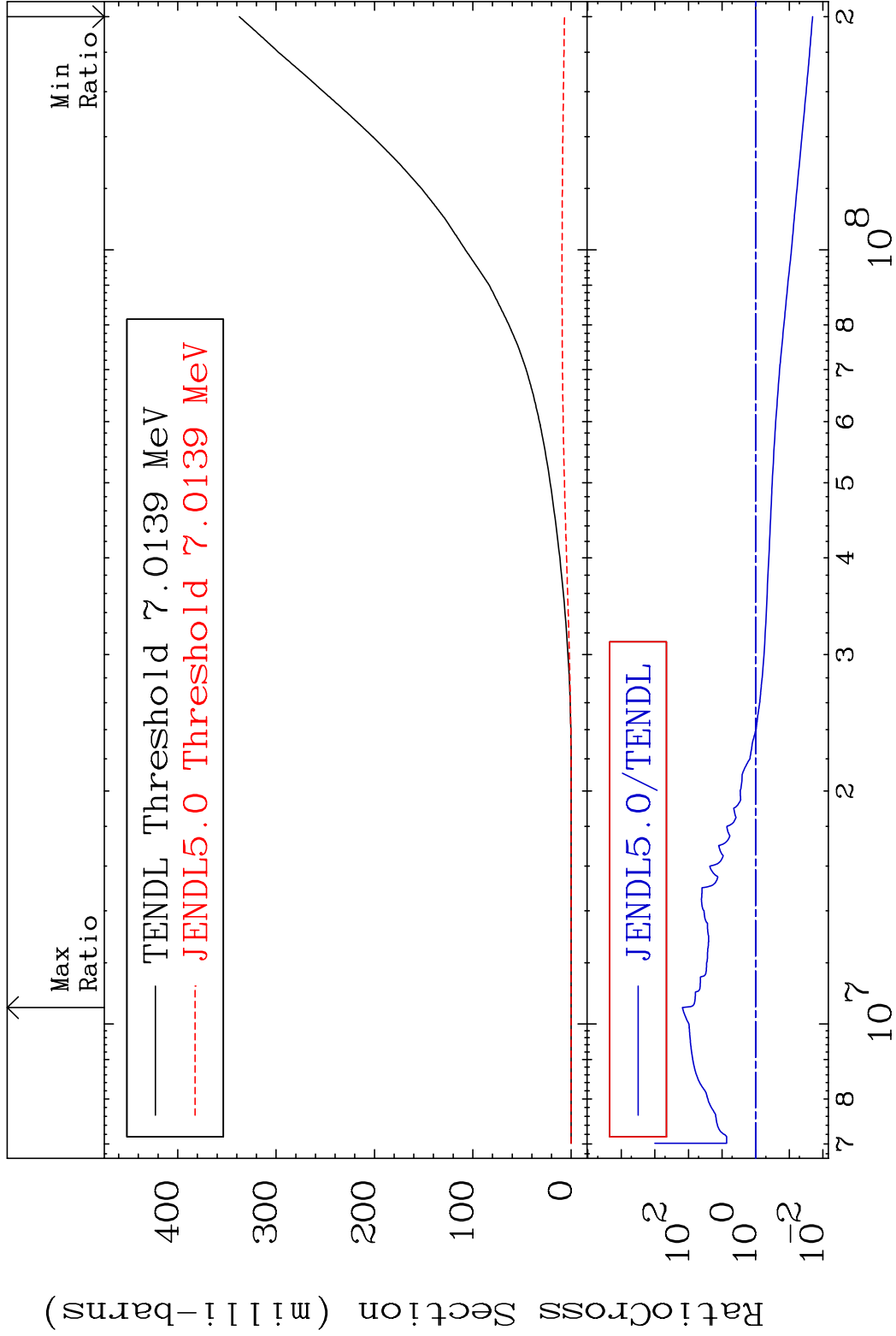


MAT 4519

He-3 Production

45-Rh-101

Cross Section -97.98 To 9999. %



55

Incident Energy (eV)

45-Rh-101

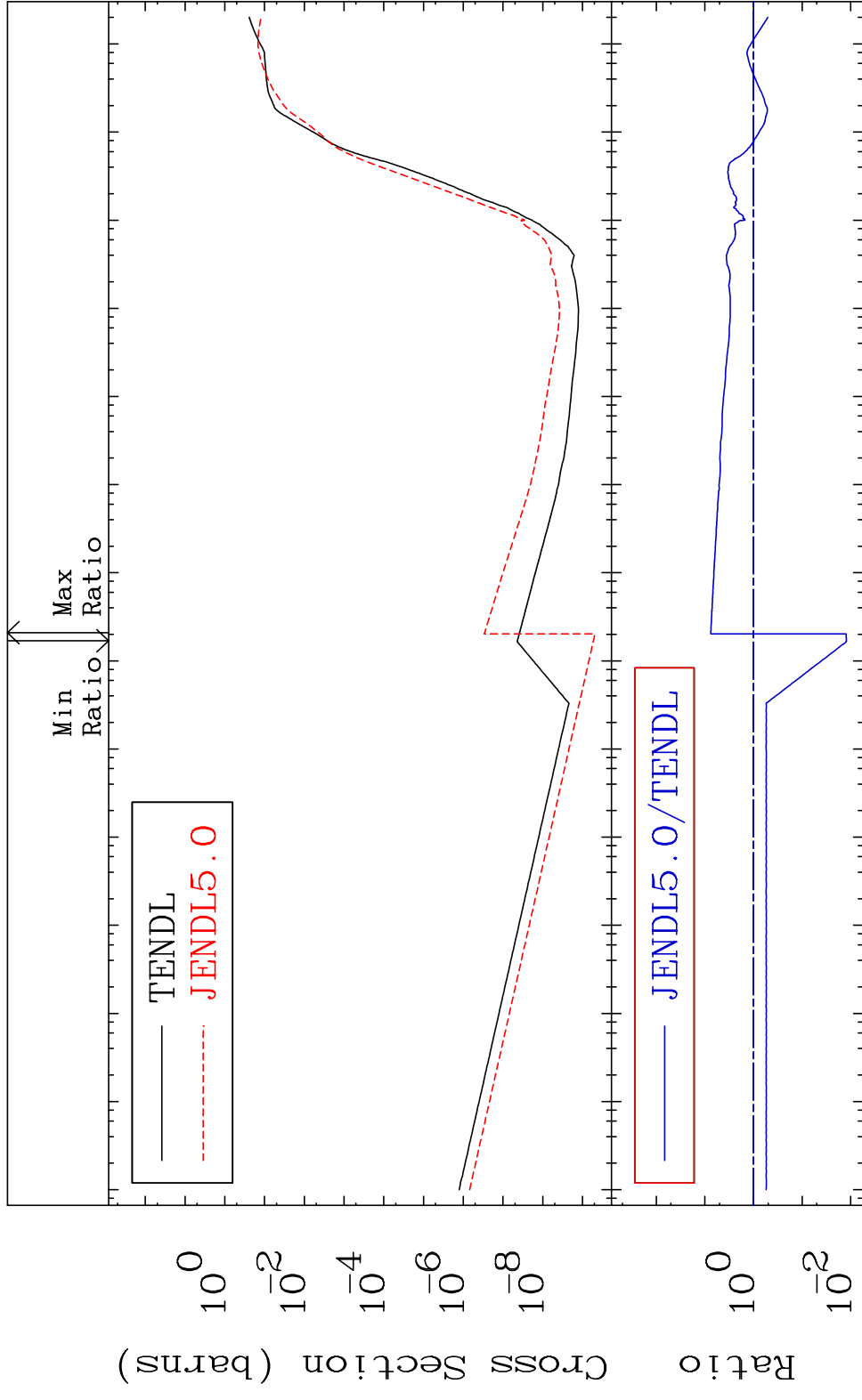


MAT 4519

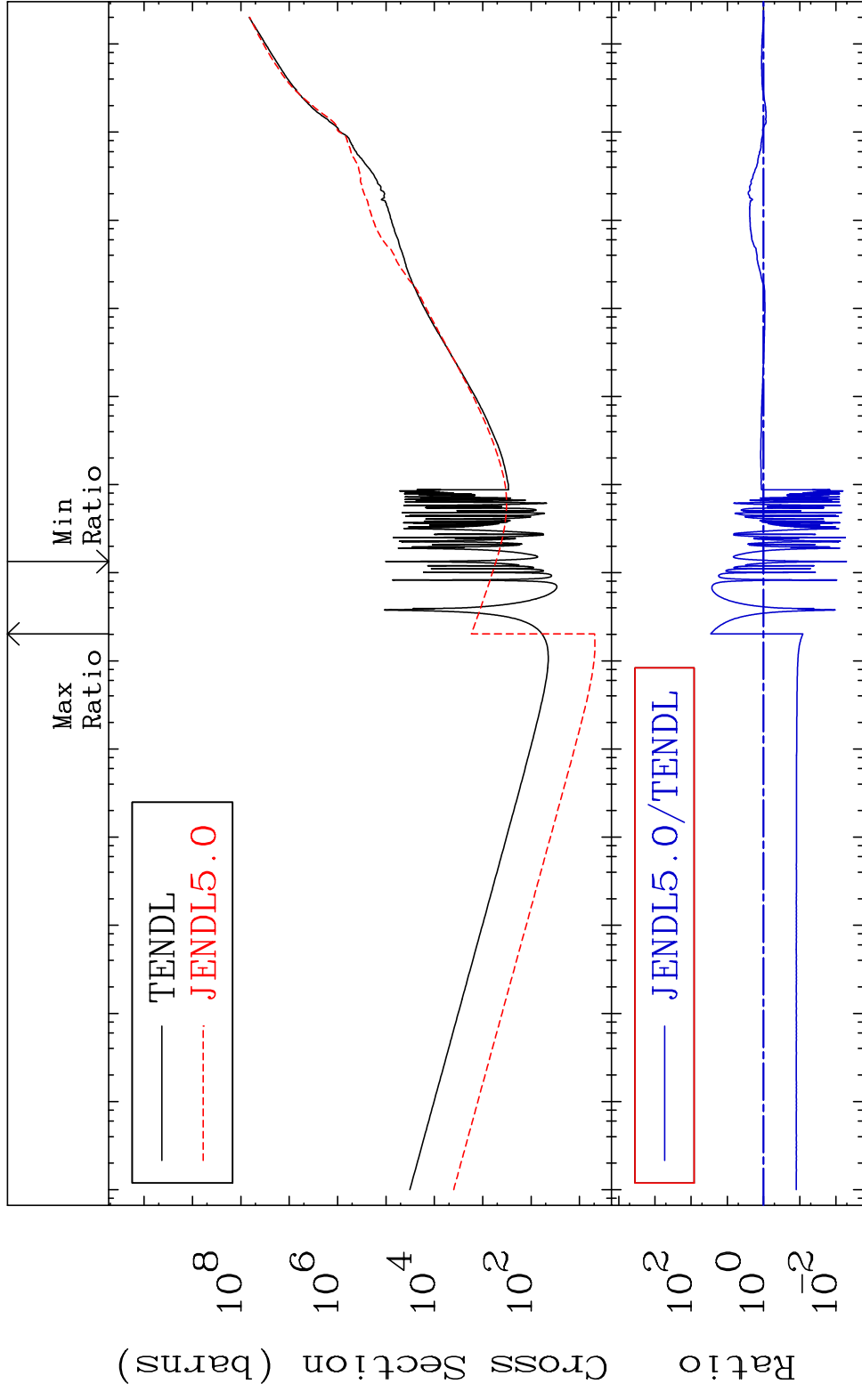
He-4 Production

45-Rh-101

Cross Section -98.77 To 659.3 %



MAT 4519 Kerma total (eV-barns) 45-Rh-101  
 Cross Section -99.48 To 2782. %

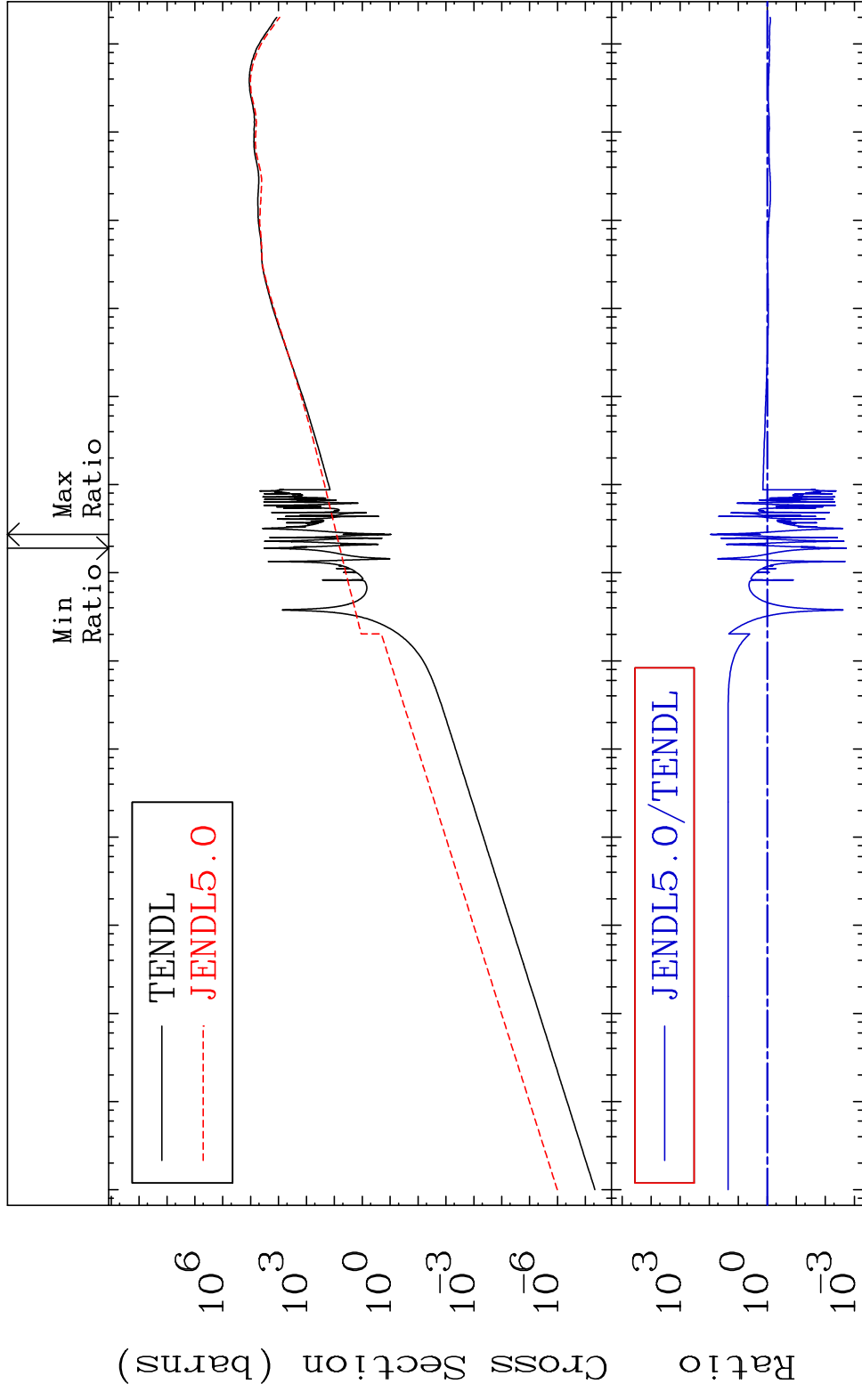


57 Incident Energy (eV) 45-Rh-101

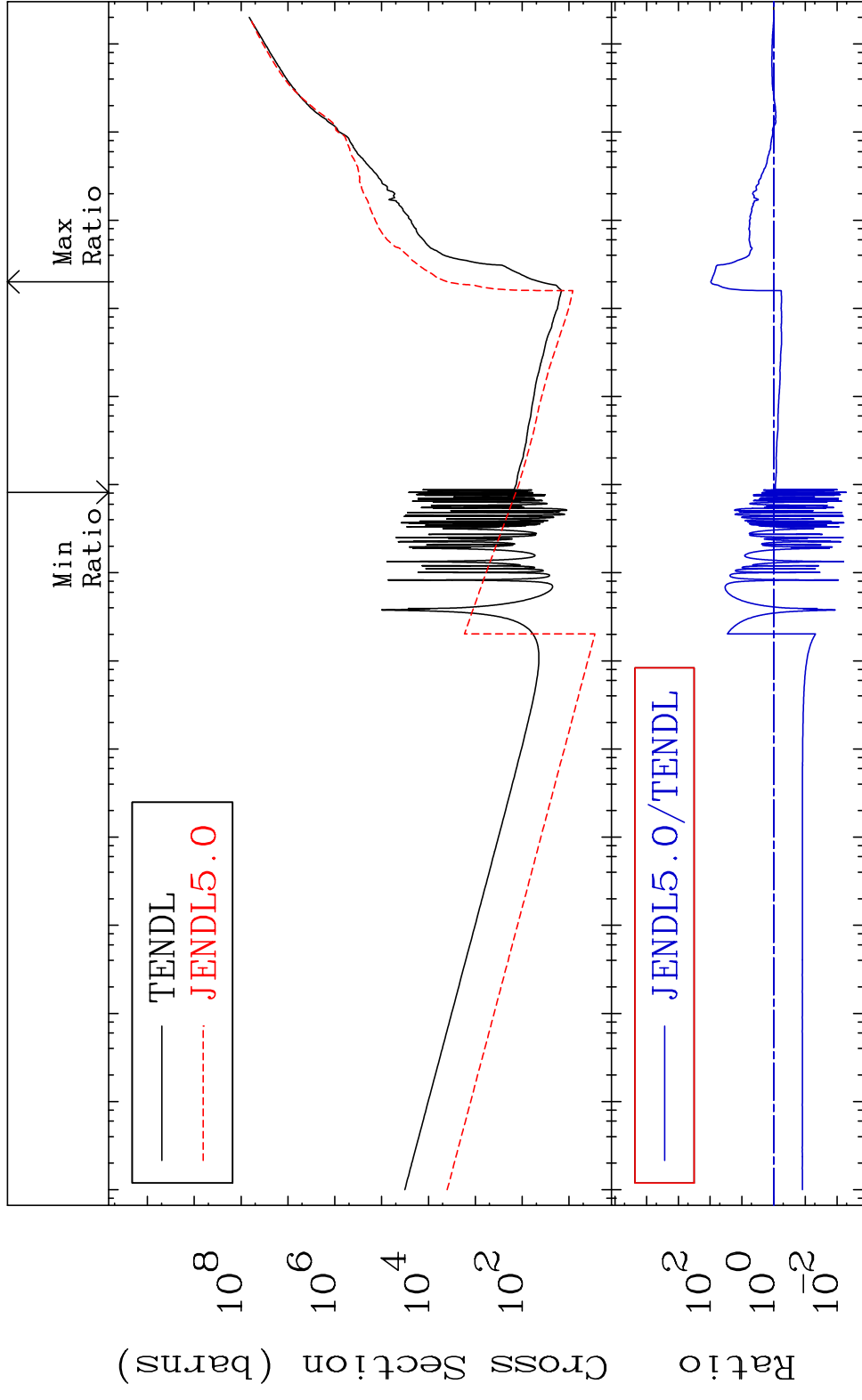
MAT 4519

Kerma elastic  
Cross Section

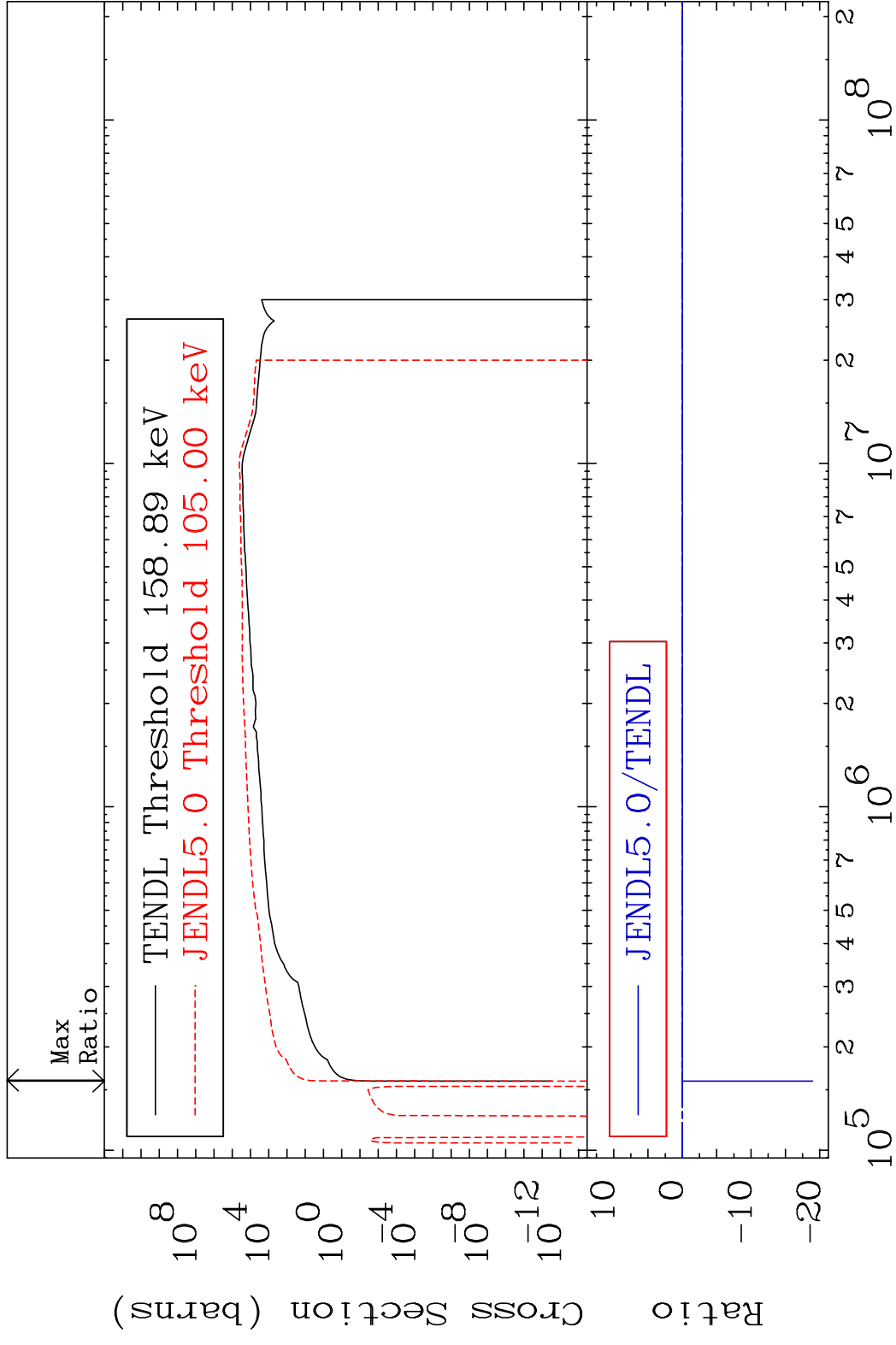
45-Rh-101  
-99.81 To 8793. %



MAT 4519 Kerma non-elastic (all but mt2) 45-Rh-101  
 Cross Section -99.49 To 9502. %

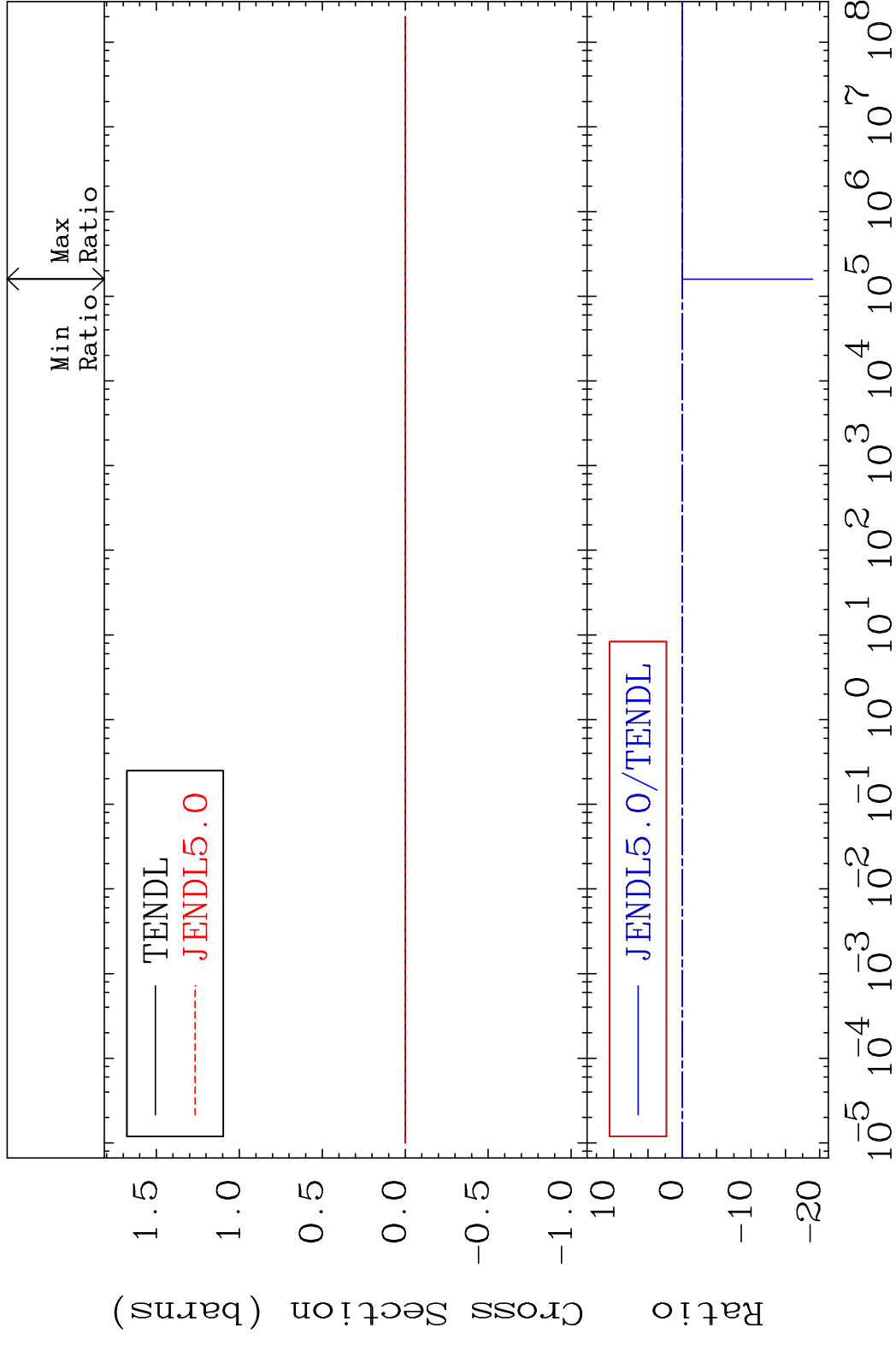


MAT 4519 Kerma inelastic (mt51-91) 45-Rh-101  
 Cross Section -9999. To 9999. %

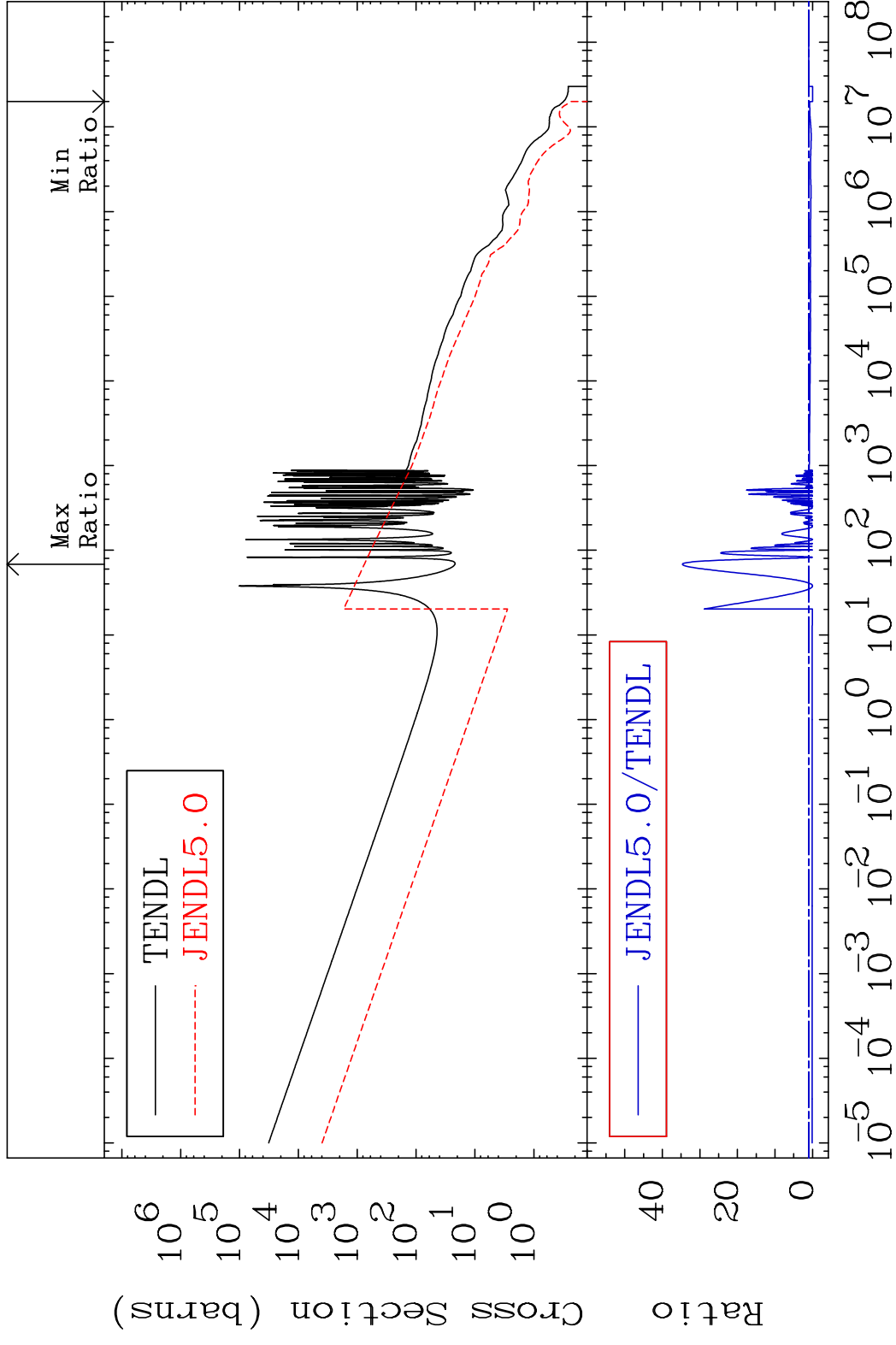


60 Incident Energy (eV) 45-Rh-101

MAT 4519 Kerma fission (mt18 or mt19-20-21-38) 45-Rh-101  
 Cross Section -9999. To 9999. %

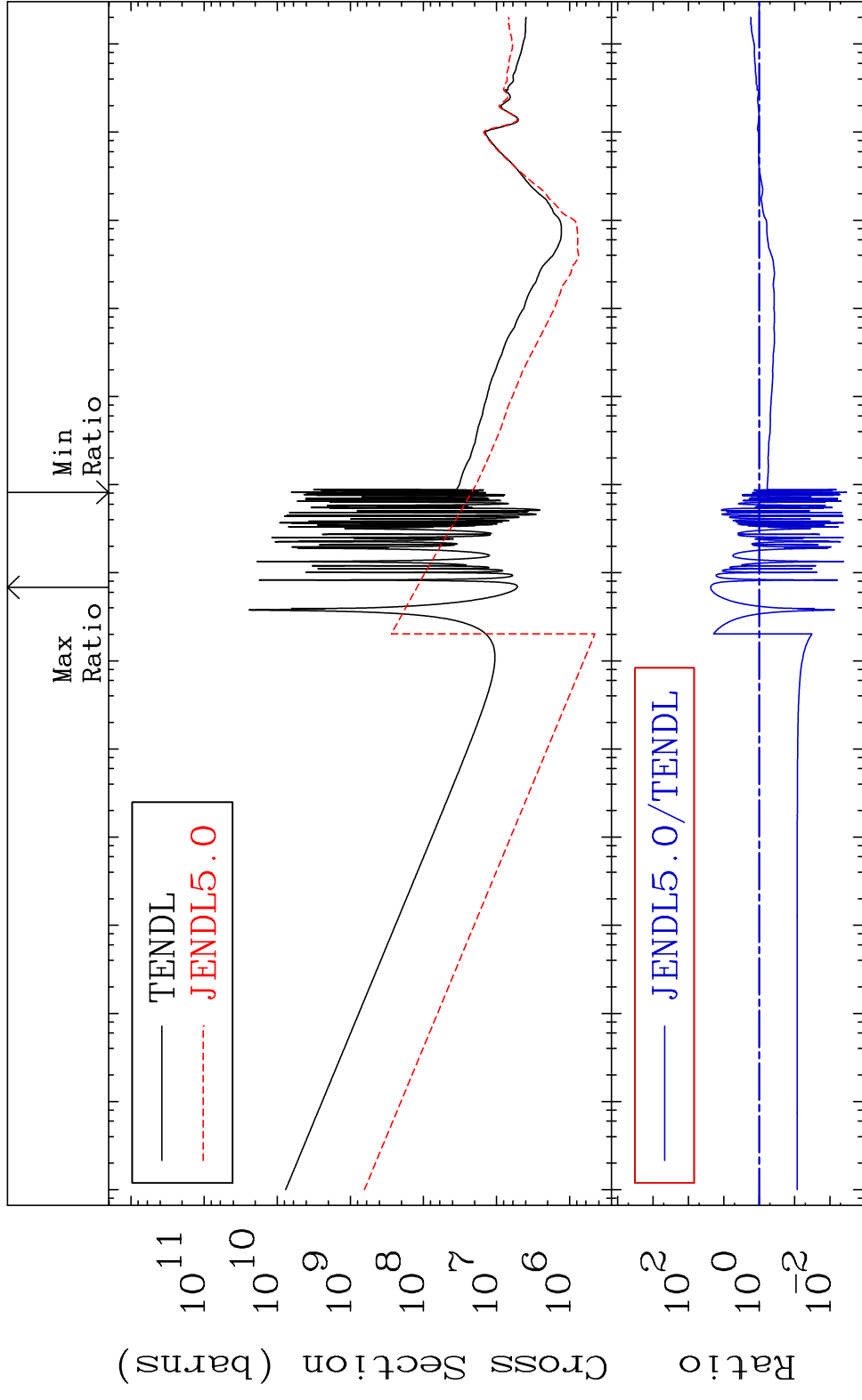


MAT 4519 Kerma capture (mt102) 45-Rh-101  
 Cross Section -100.0 To 3366. %



62 Incident Energy (eV) 45-Rh-101

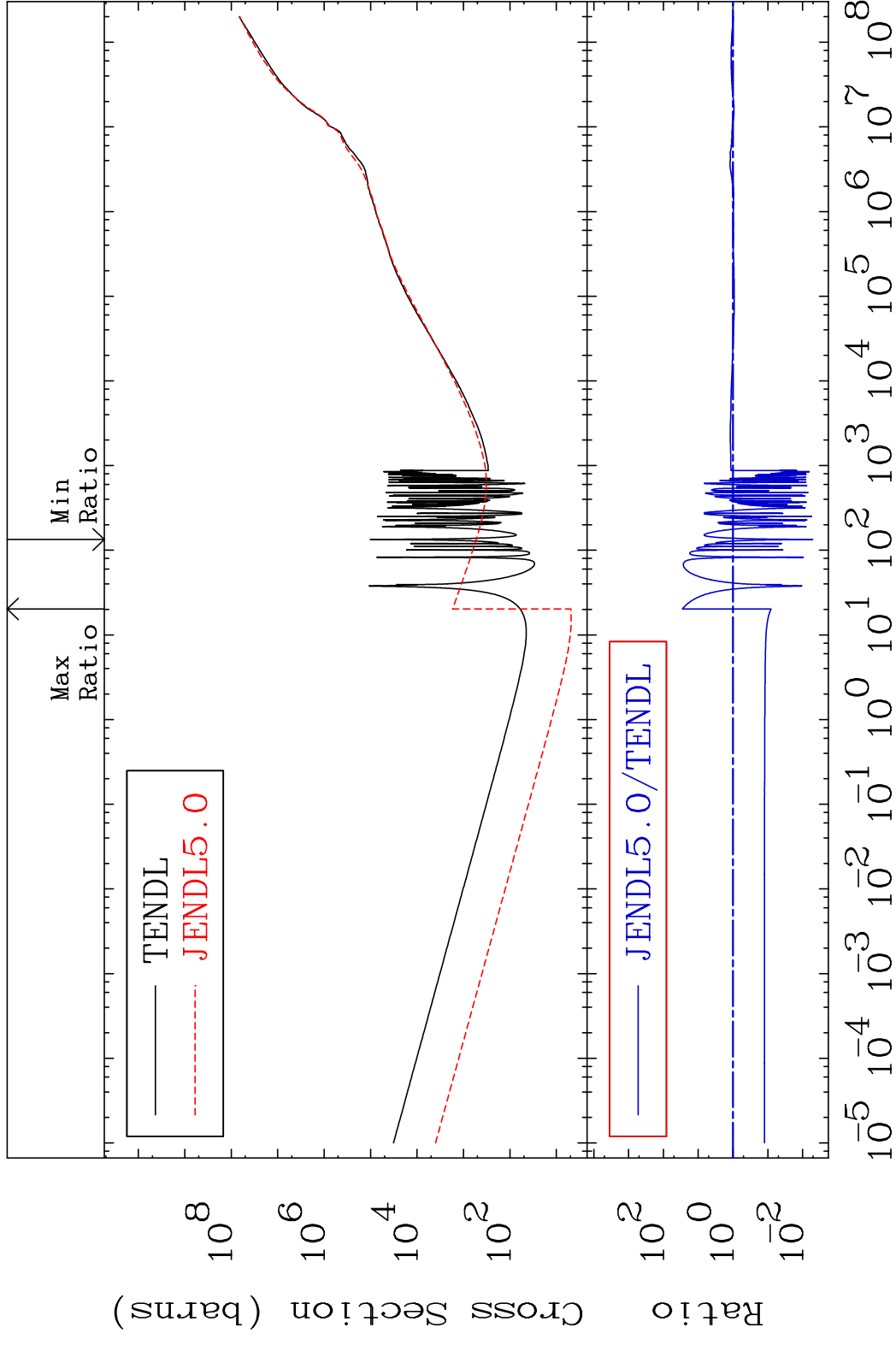
MAT 4519 Total photon (eV-barns) 45-Rh-101  
Cross Section -99.66 To 2247. %



63 Incident Energy (eV) 45-Rh-101



MAT 4519 Total kinematic kerma (high limit) 45-Rh-101  
 Cross Section -99.48 To 2757. %

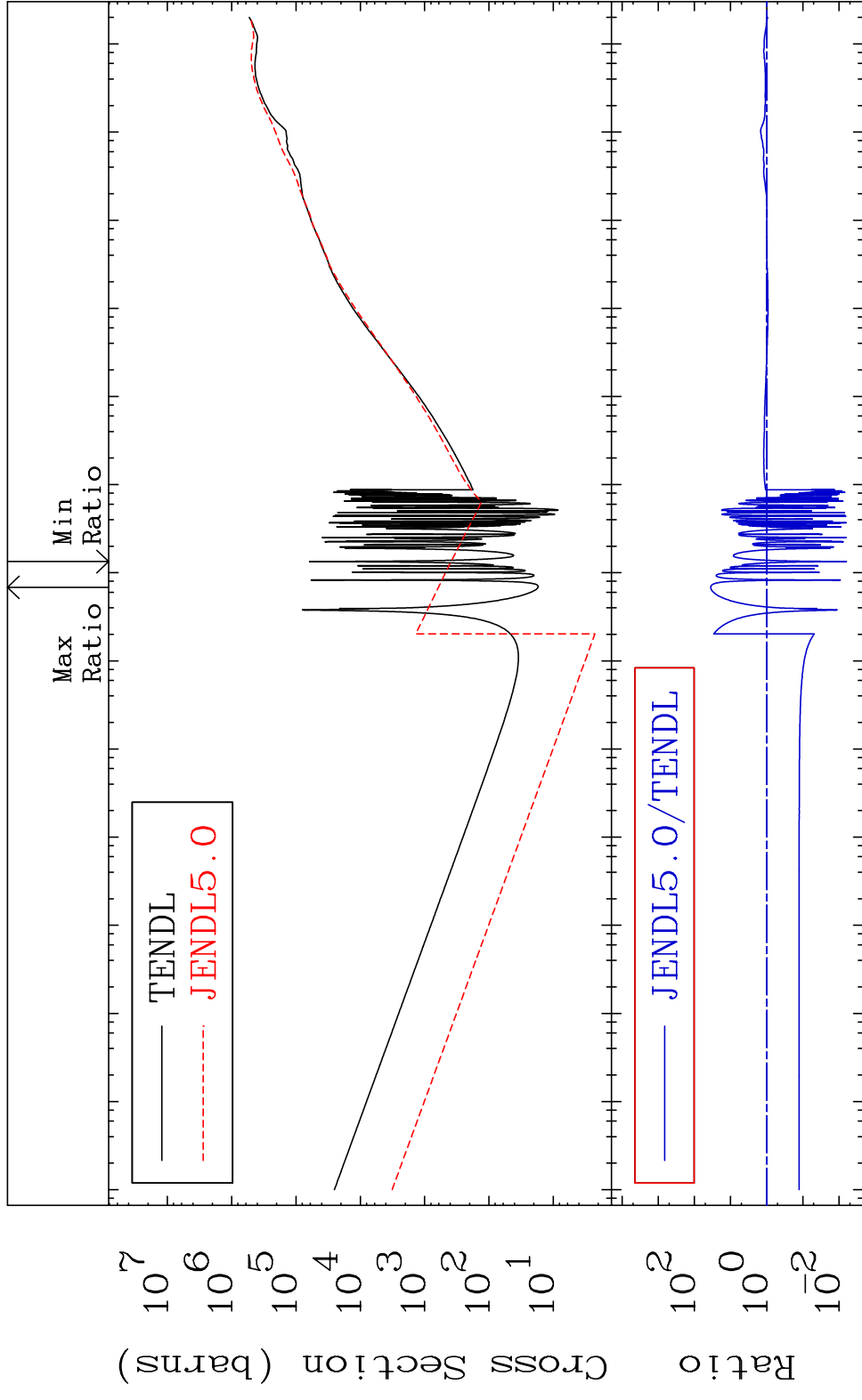


MAT 4519

Dpa total (eV-barns)

45-Rh-101

Cross Section -99.37 To 3441. %



65

Incident Energy (eV)

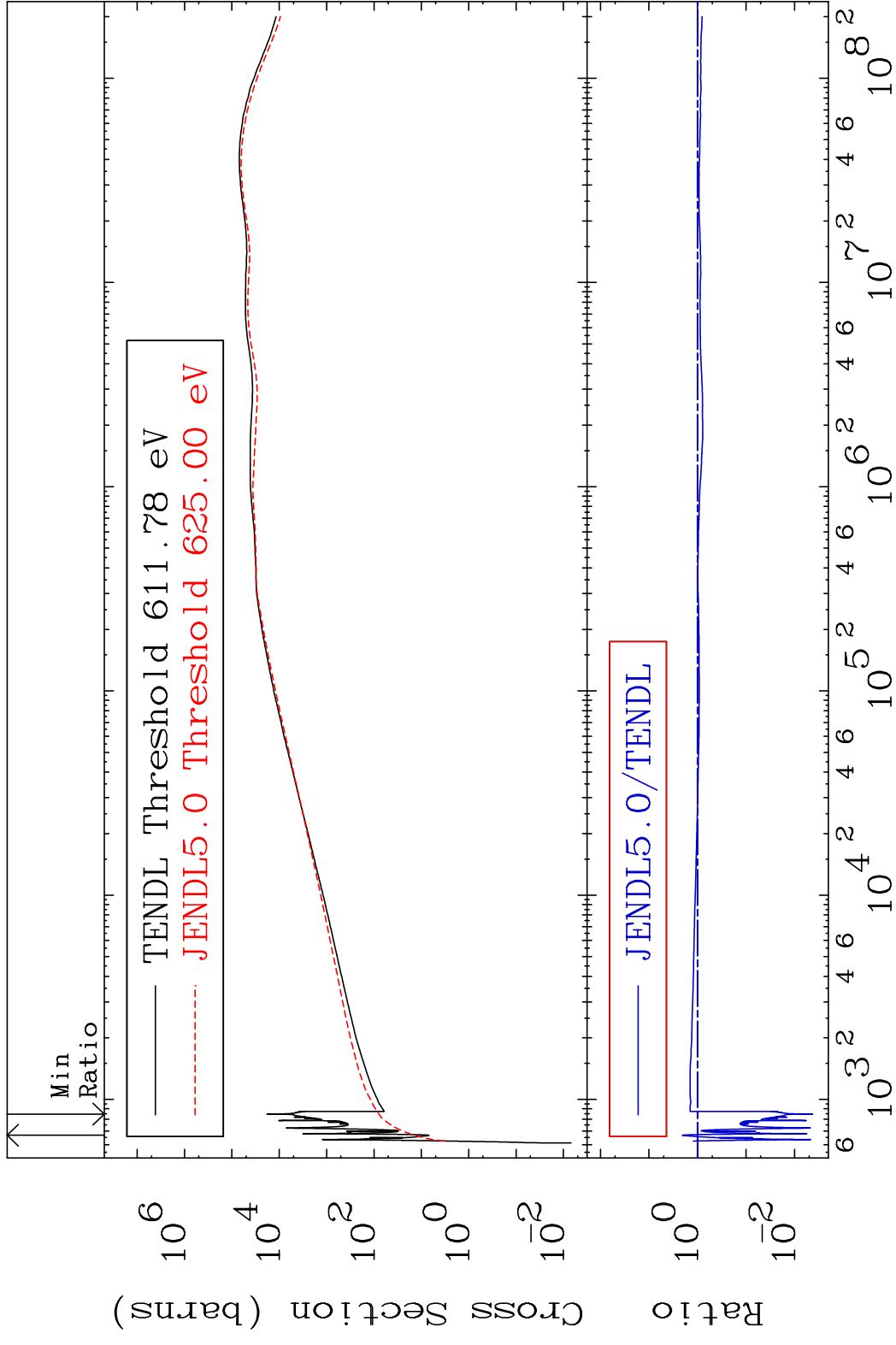
45-Rh-101

MAT 4519

Dpa elastic (mt2)

45-Rh-101

Cross Section -99.57 To 105.4 %

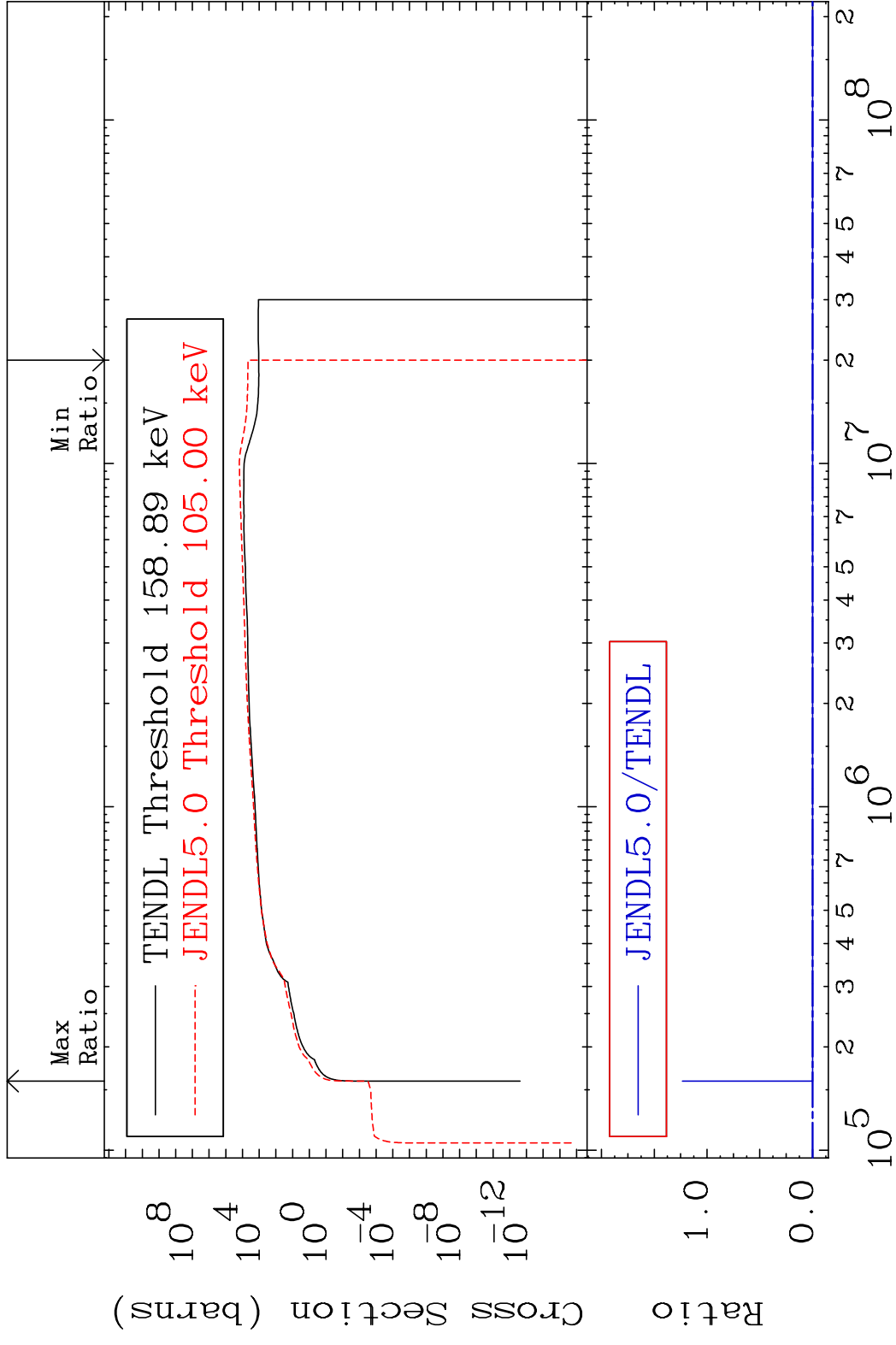


66

Incident Energy (eV)

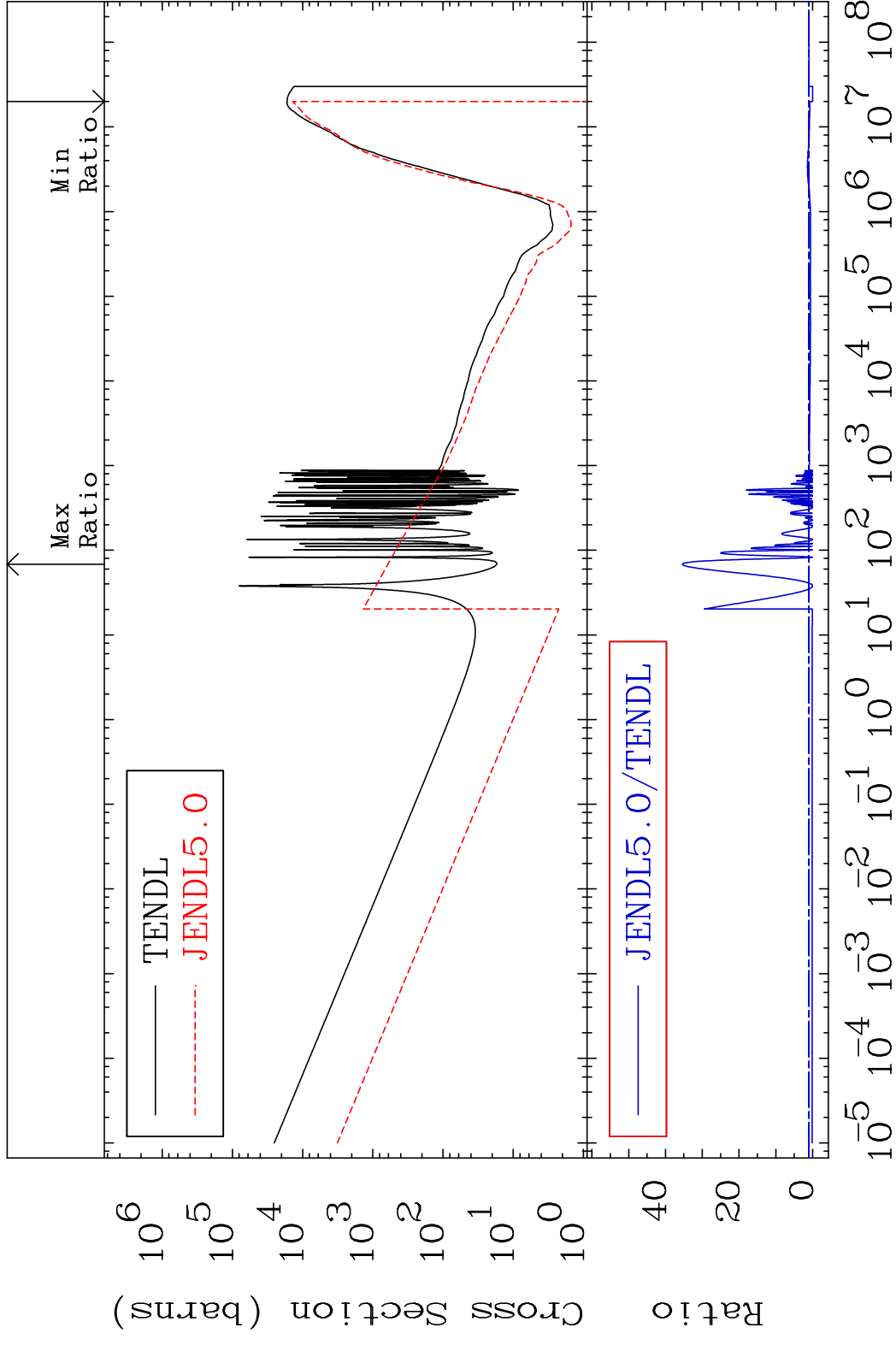
45-Rh-101

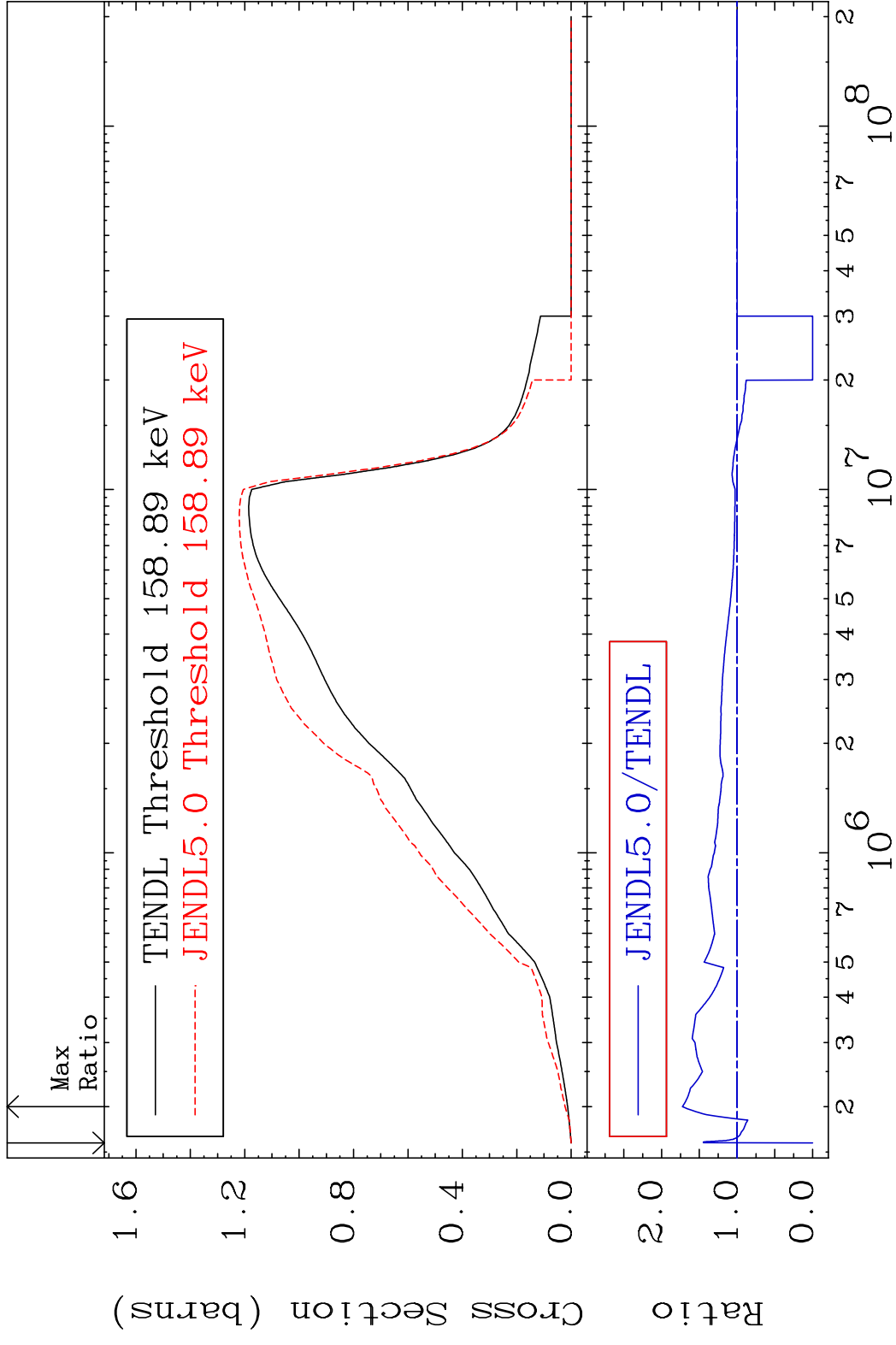
MAT 4519 Dpa inelastic (mt51-91) 45-Rh-101  
 Cross Section -100.0 To 9999. %



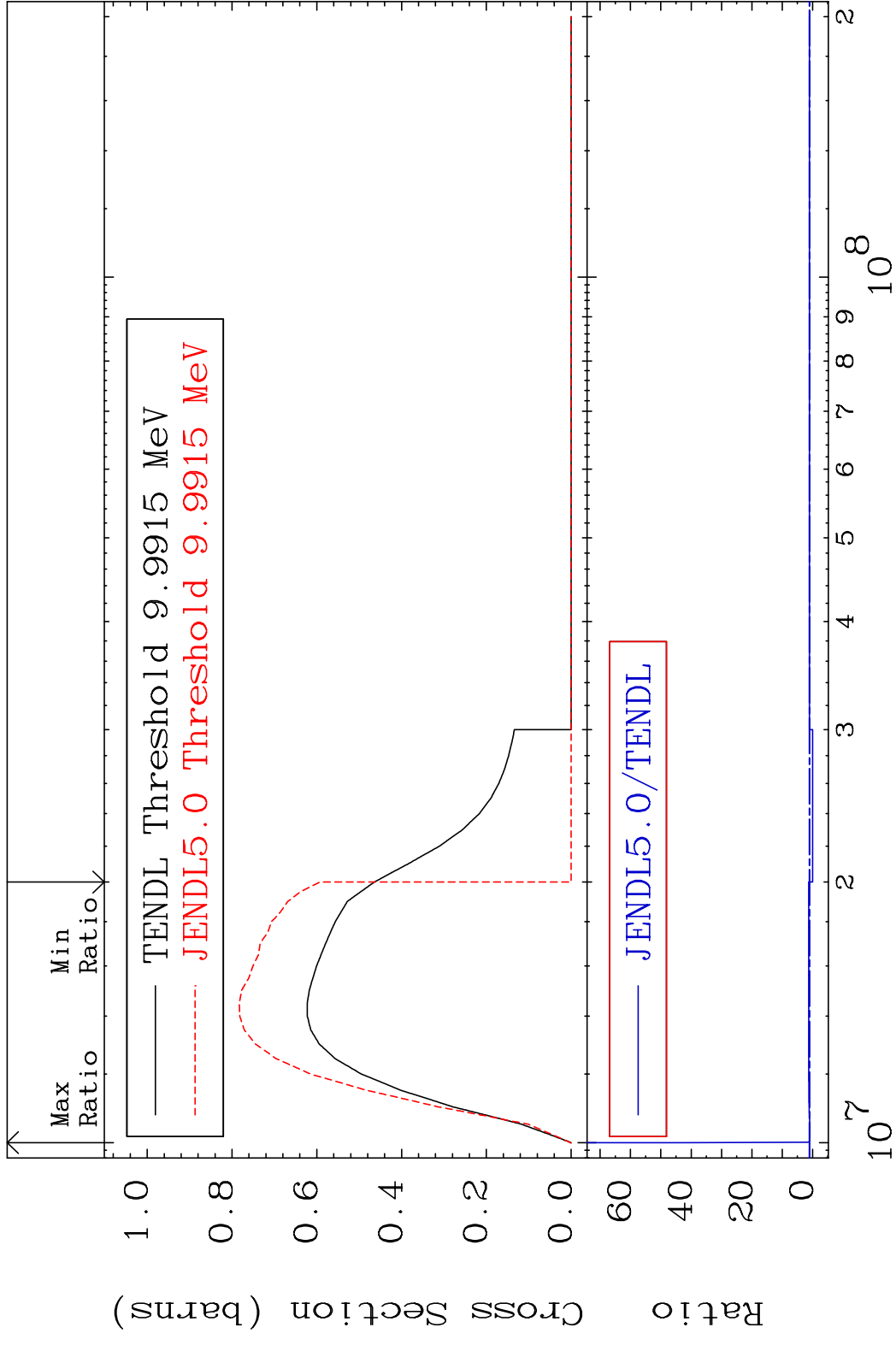
67 Incident Energy (eV) 45-Rh-101

MAT 4519 Dpa disappearance (mt102 -120) 45-Rh-101  
 Cross Section -100.0 To 3441. %



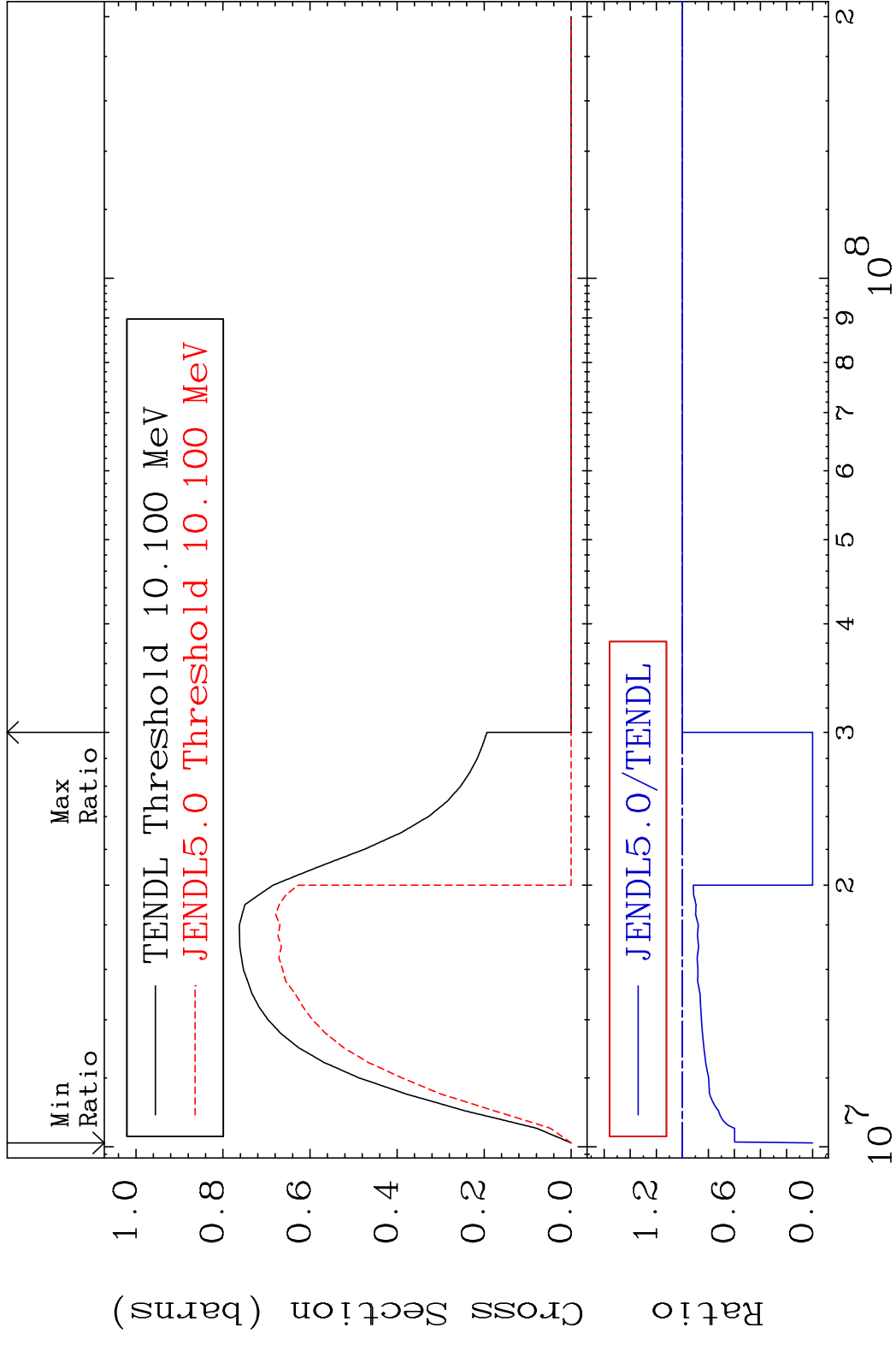


MAT 4519 (n,2n):45-Rh-100g 45-Rh-101  
 Radionuclide Production Cross Section 4191. %



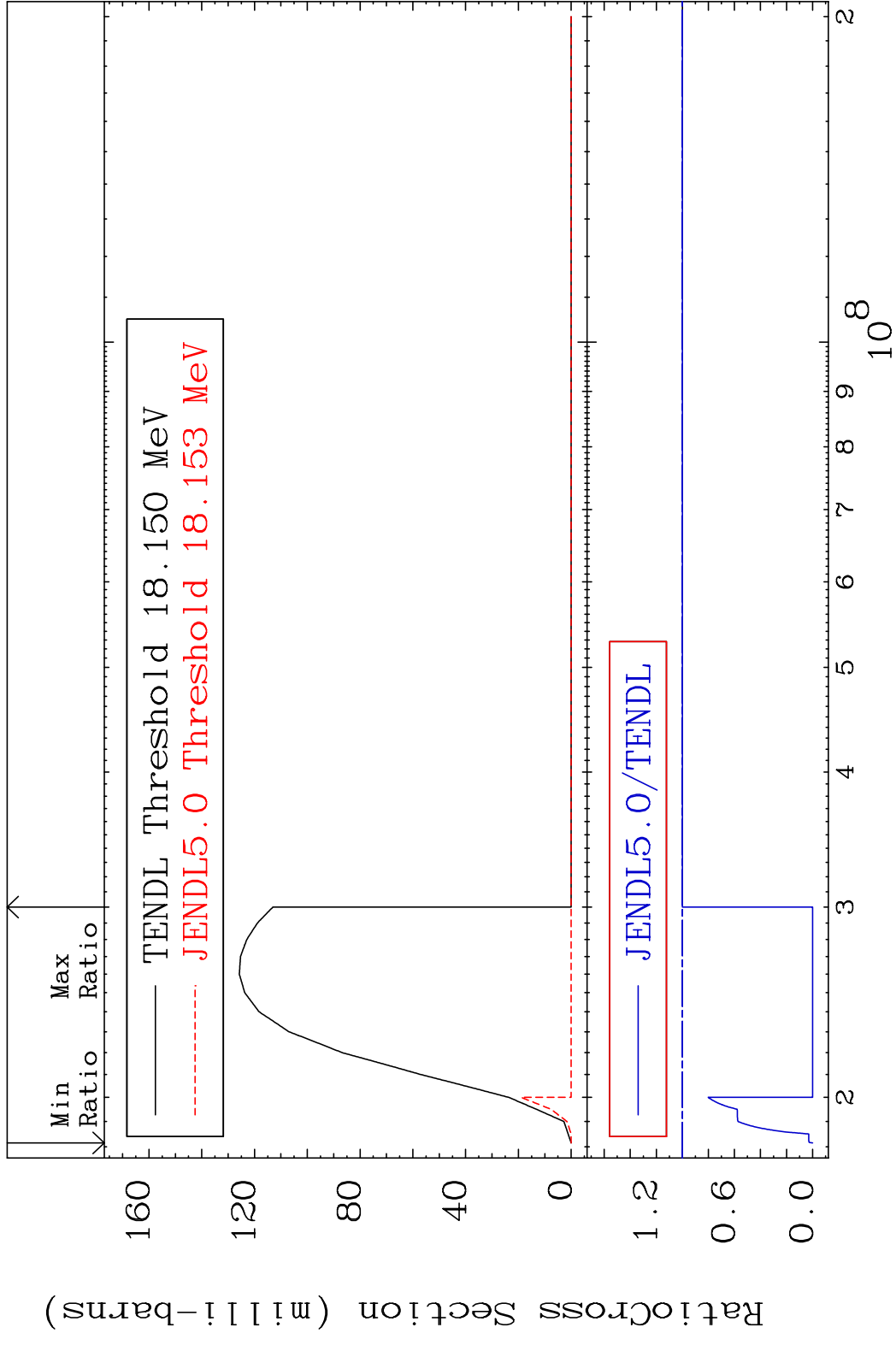
70 Incident Energy (eV) 45-Rh-101

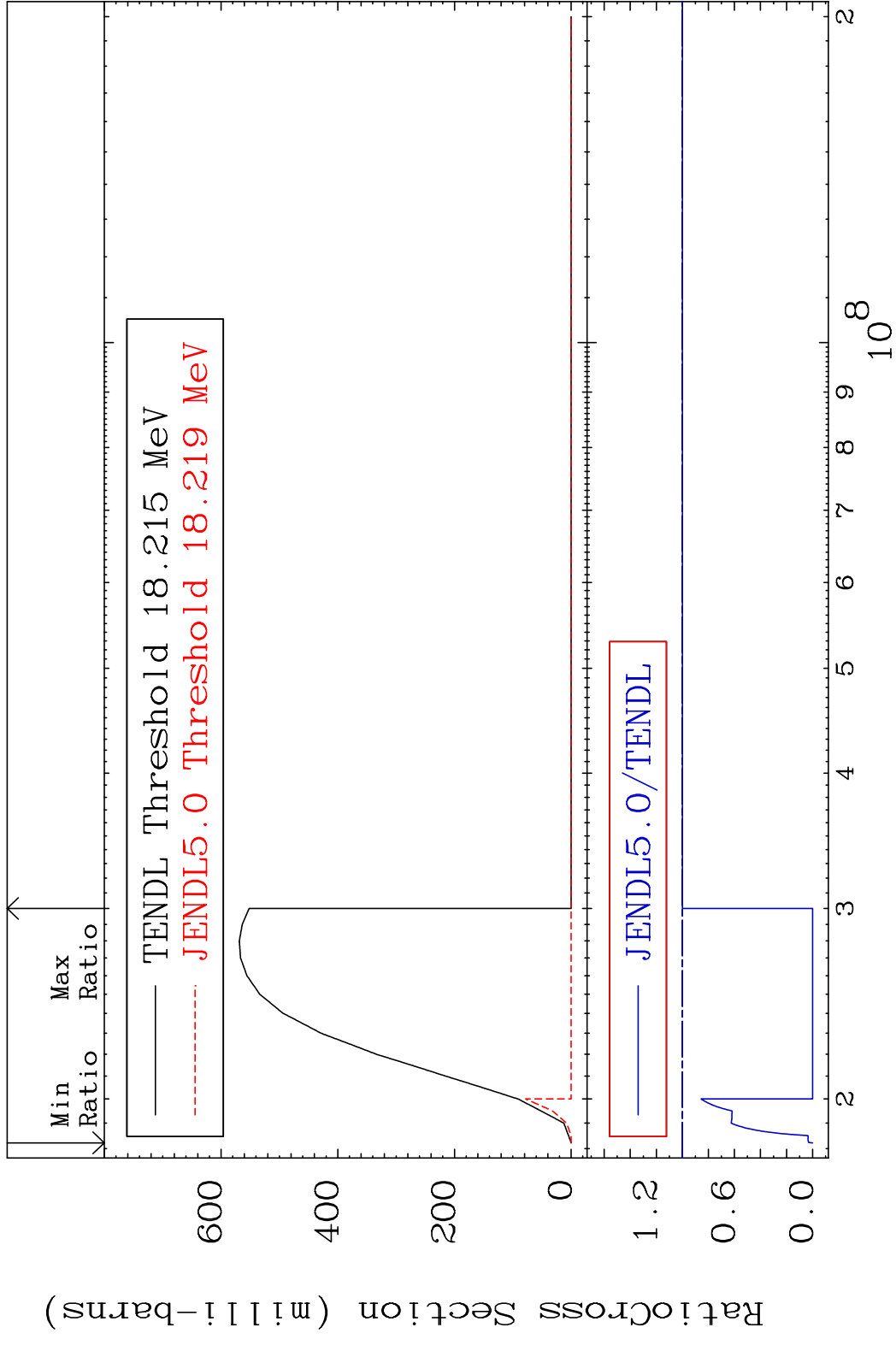
MAT 4519 (n, 2n) : 45-Rh-100m4 45-Rh-101  
 Radionuclide Production Cross Section 100.000 %

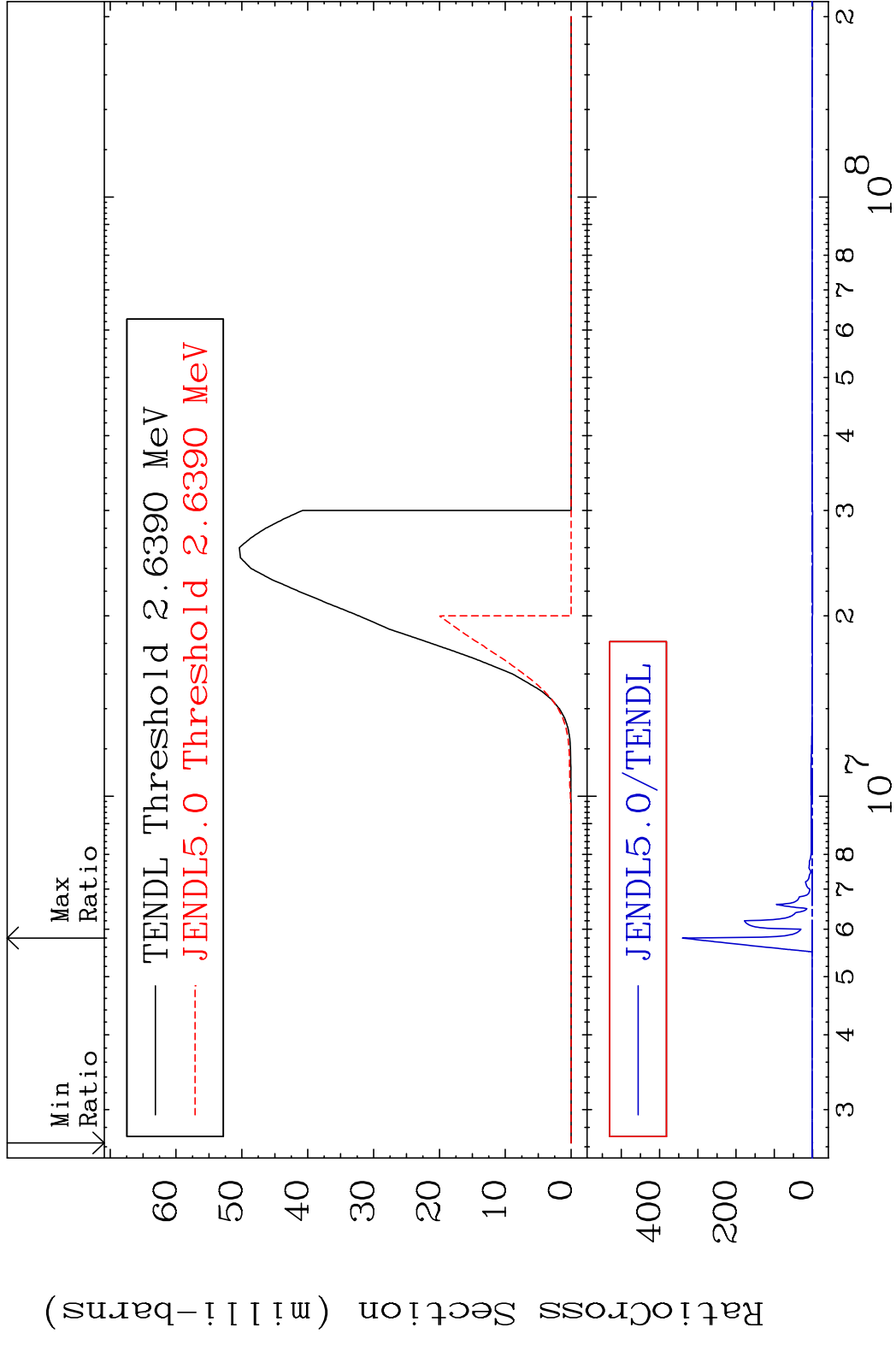




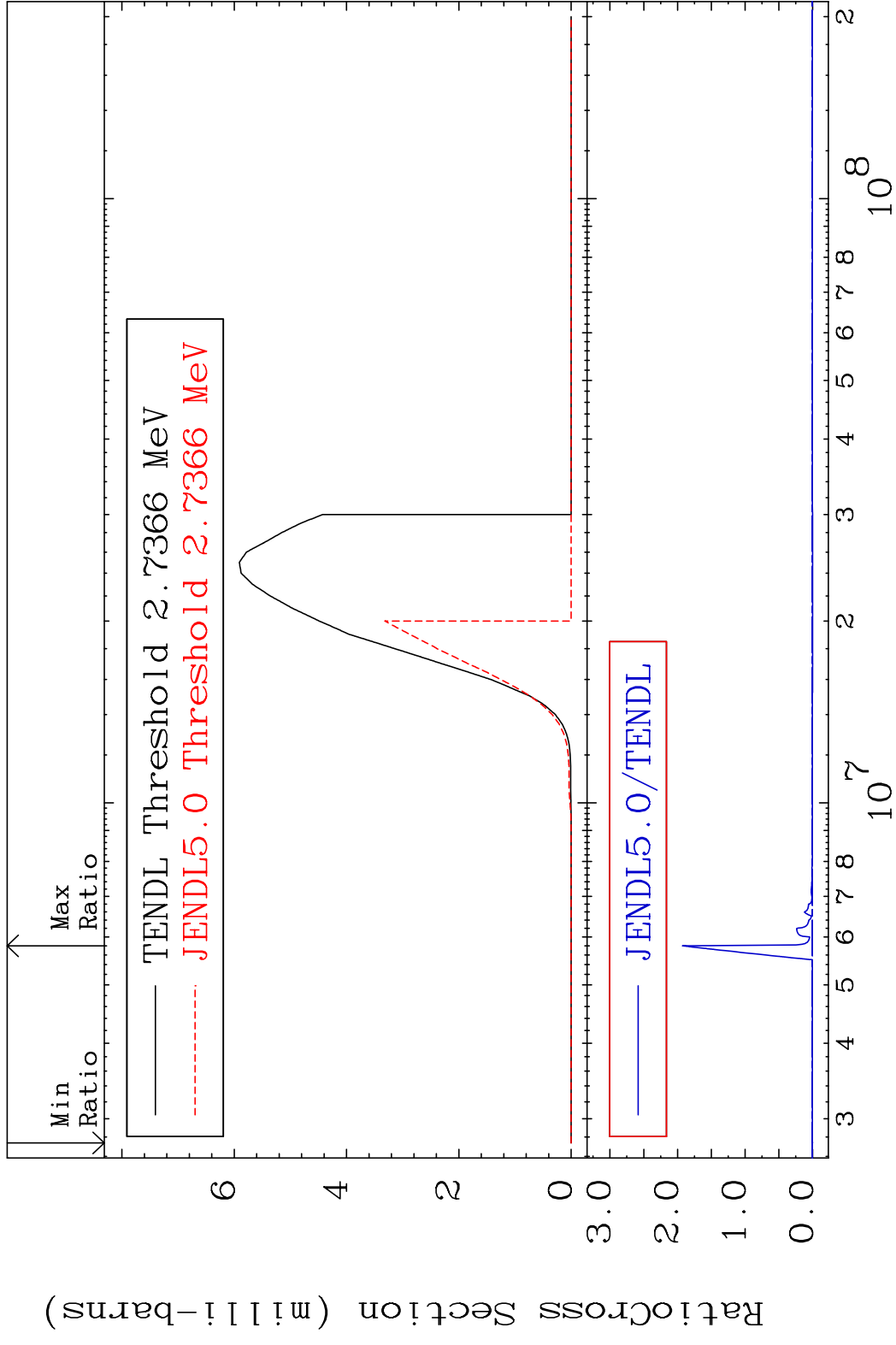
MAT 4519 (n,3n):45-Rh-99g 45-Rh-101  
 Radionuclide Production Cross Section 18.153 MeV 0.000 %



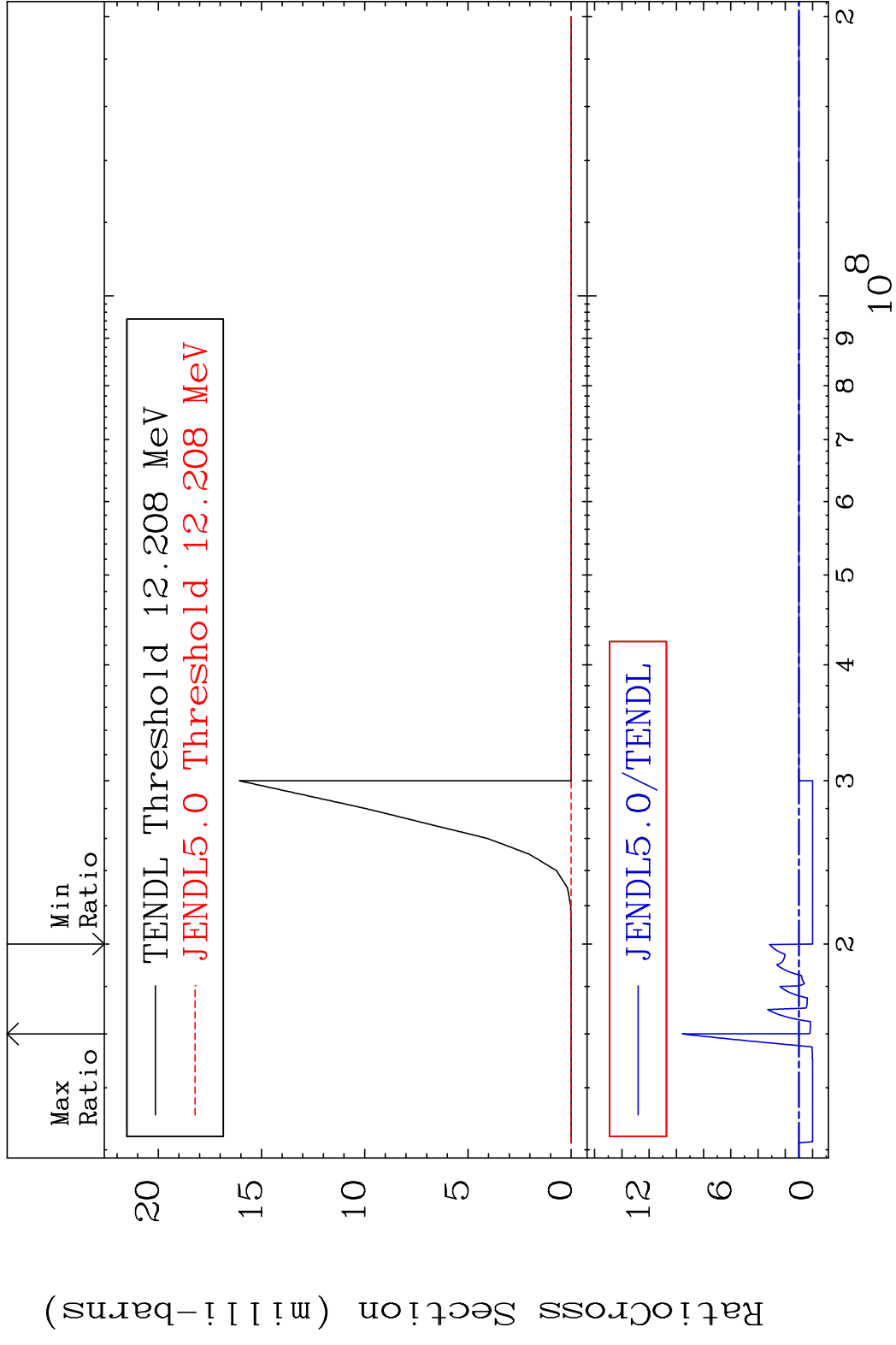




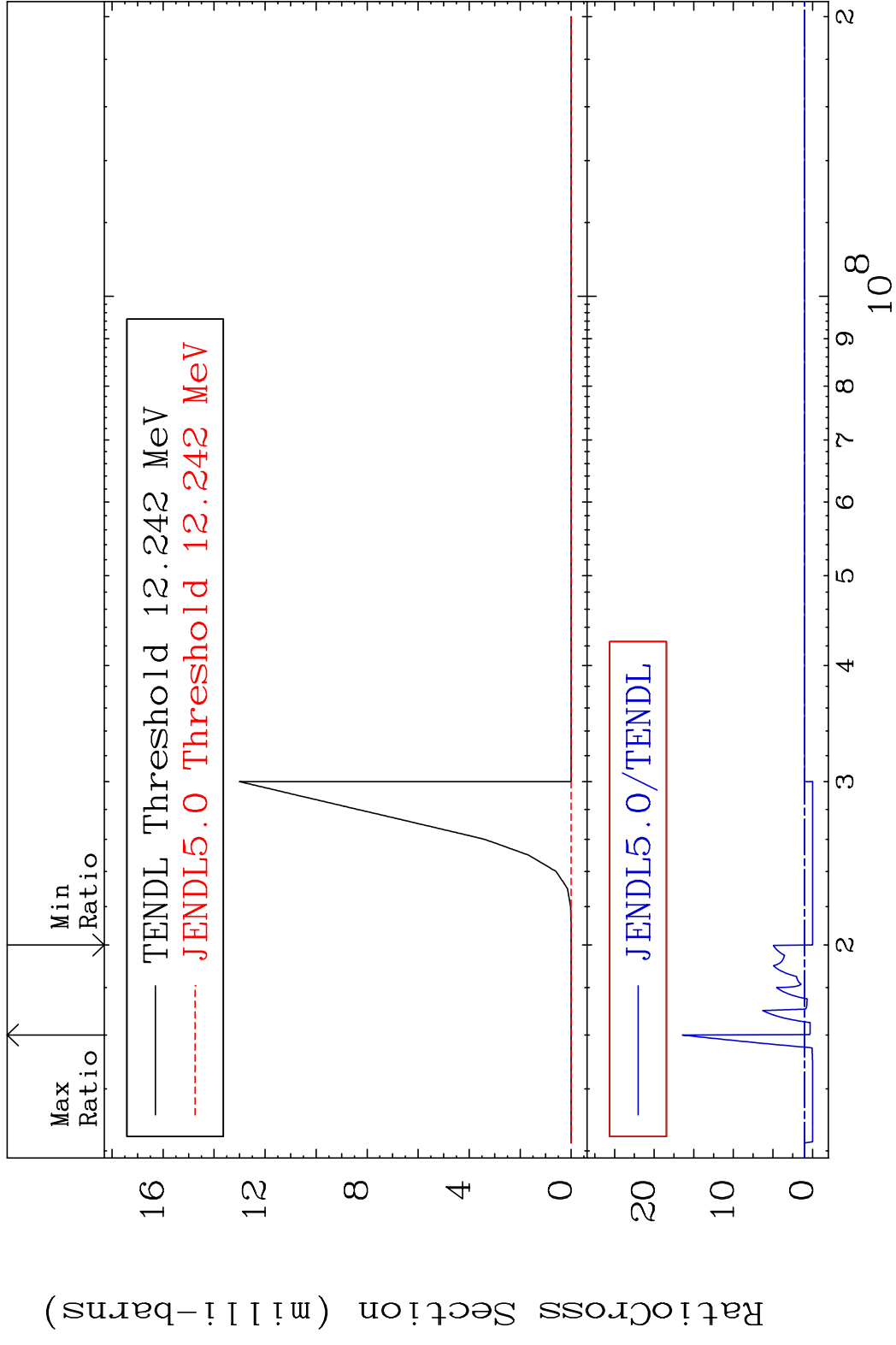
MAT 4519 (n, n')  $\alpha$ :43-Tc-97m1 45-Rh-101  
 Radionuclide Production Cross Section Ratio 9999. %

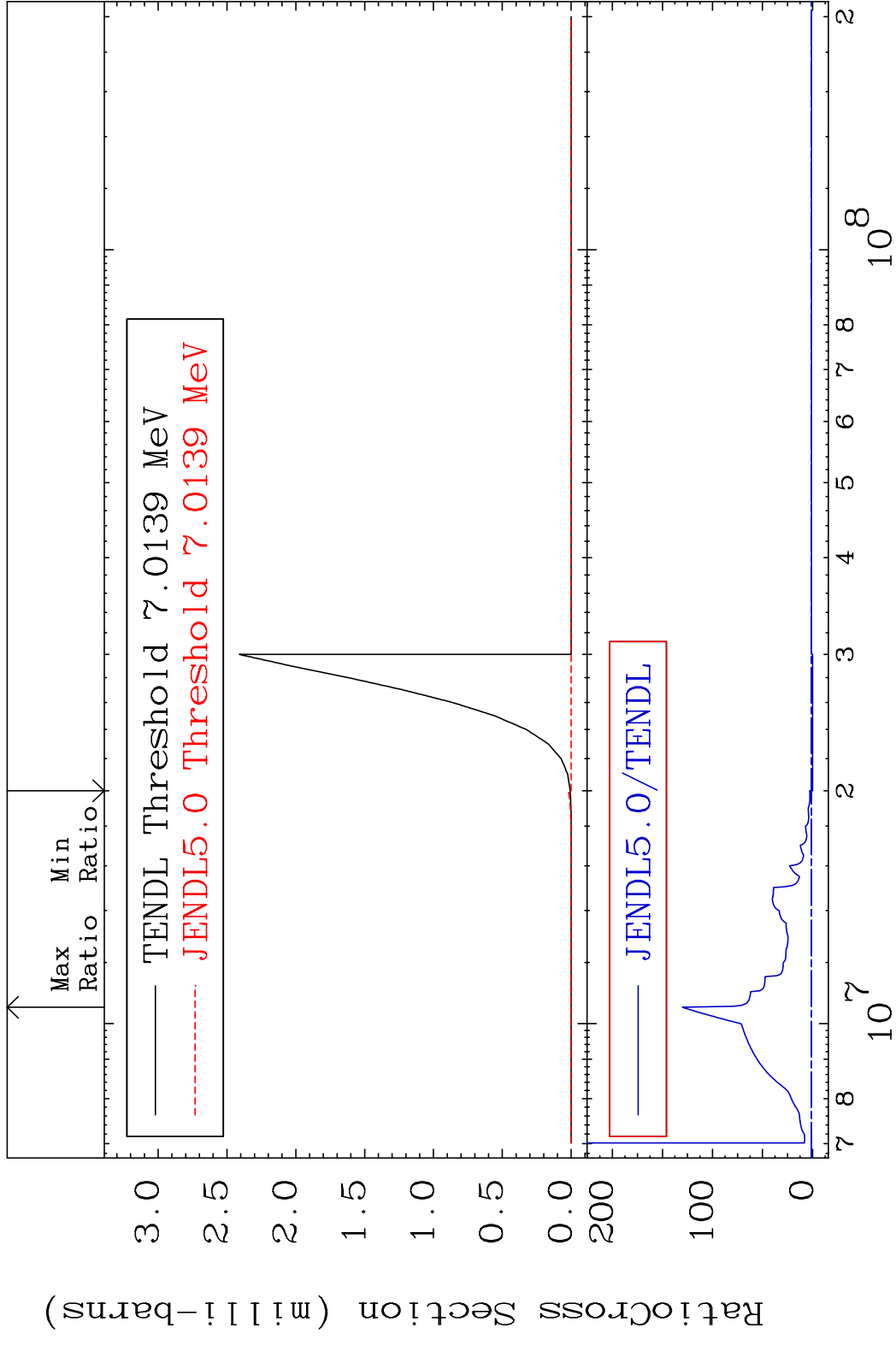


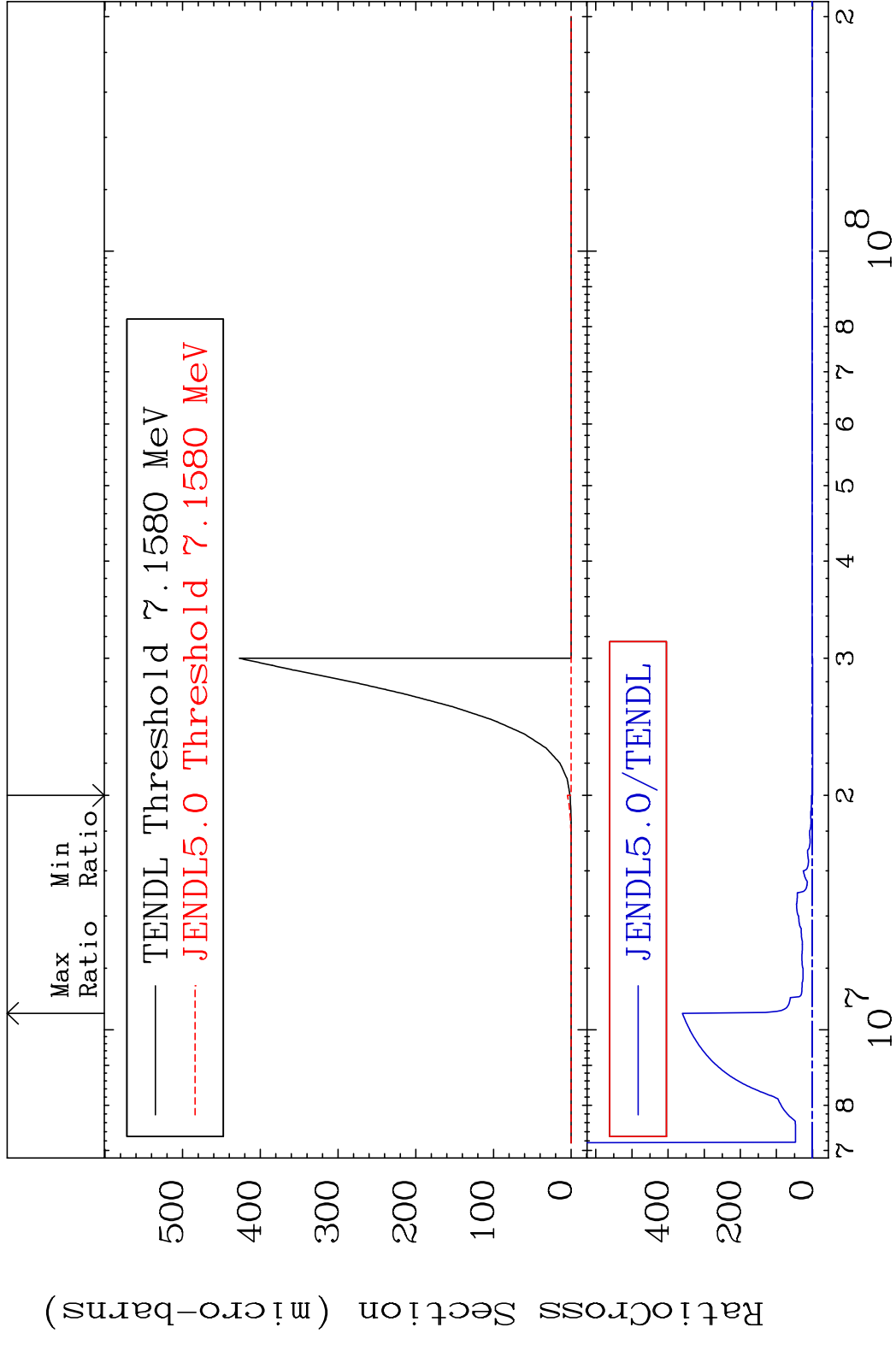
MAT 4519 (n, 2n)  $\alpha$ : 43-Tc-96g 45-Rh-101  
 Radionuclide Production Cross Section 180.01 dth 855.9 %



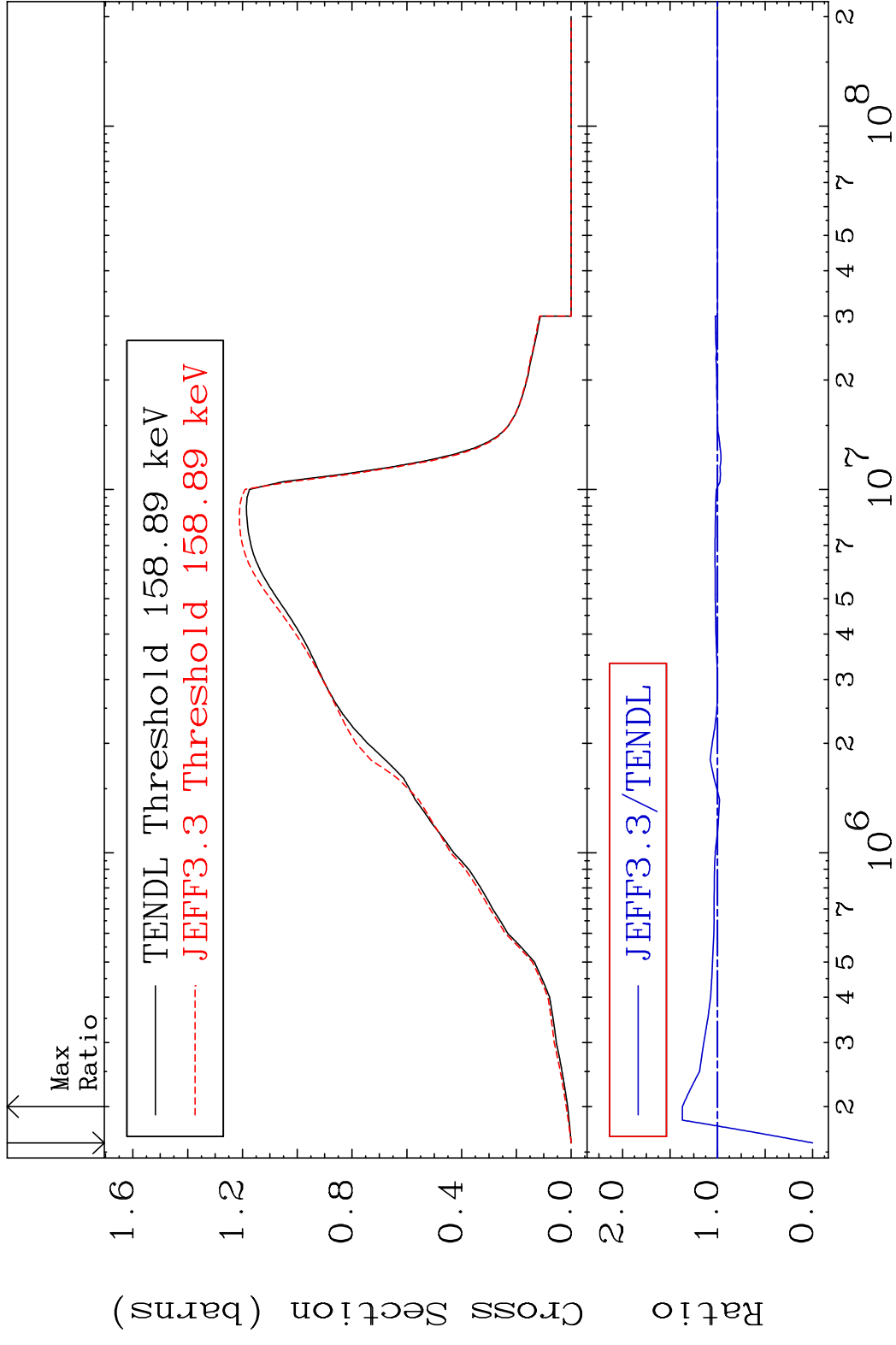
MAT 4519 (n,2n)  $\alpha$ :43-Tc-96m1 45-Rh-101  
 Radionuclide Production Cross Section 1544. %



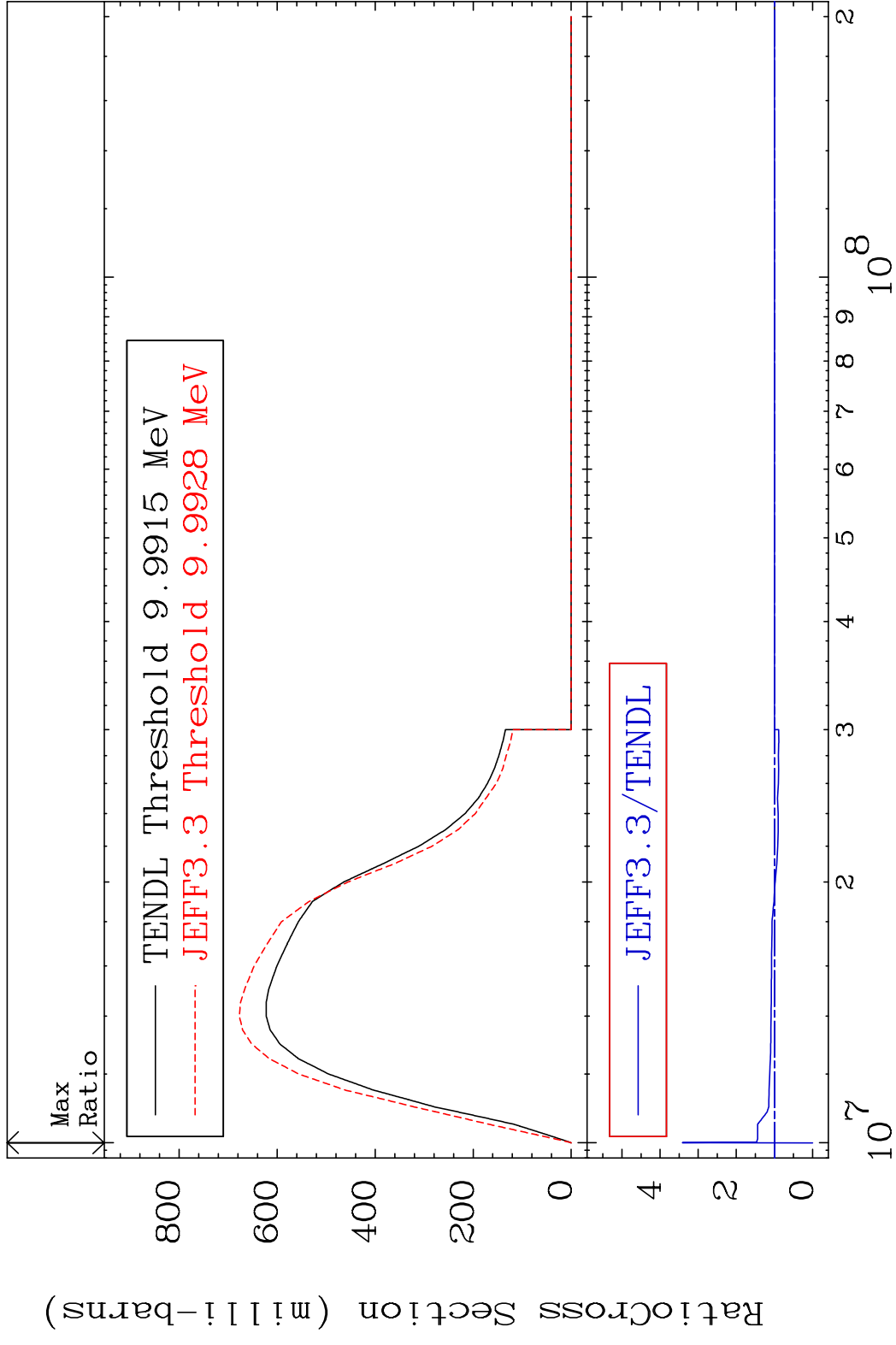






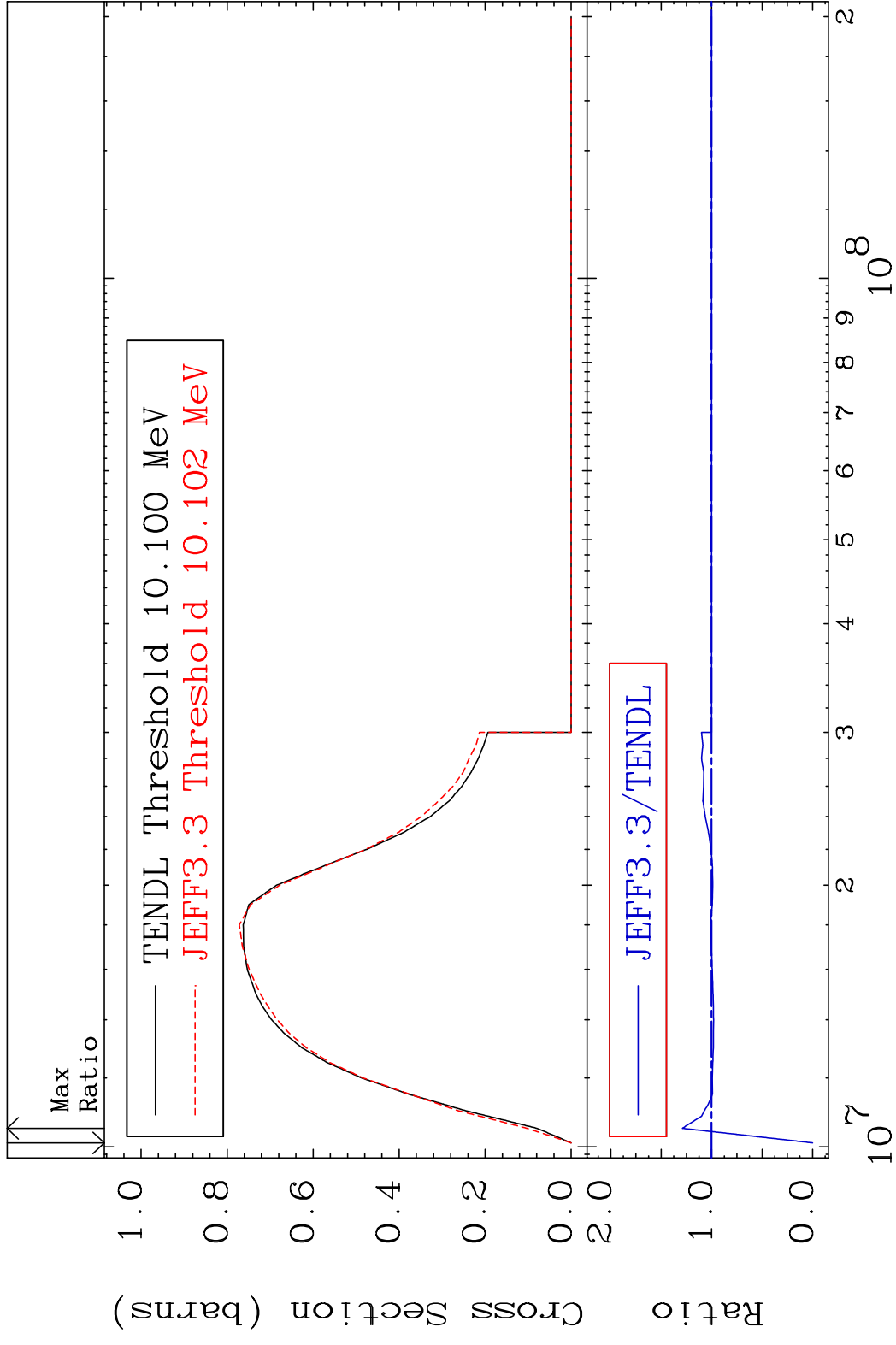


MAT 4519 (n,2n):45-Rh-100g 45-Rh-101  
 Radionuclide Production Cross Section 180.01 dth 241.6 %

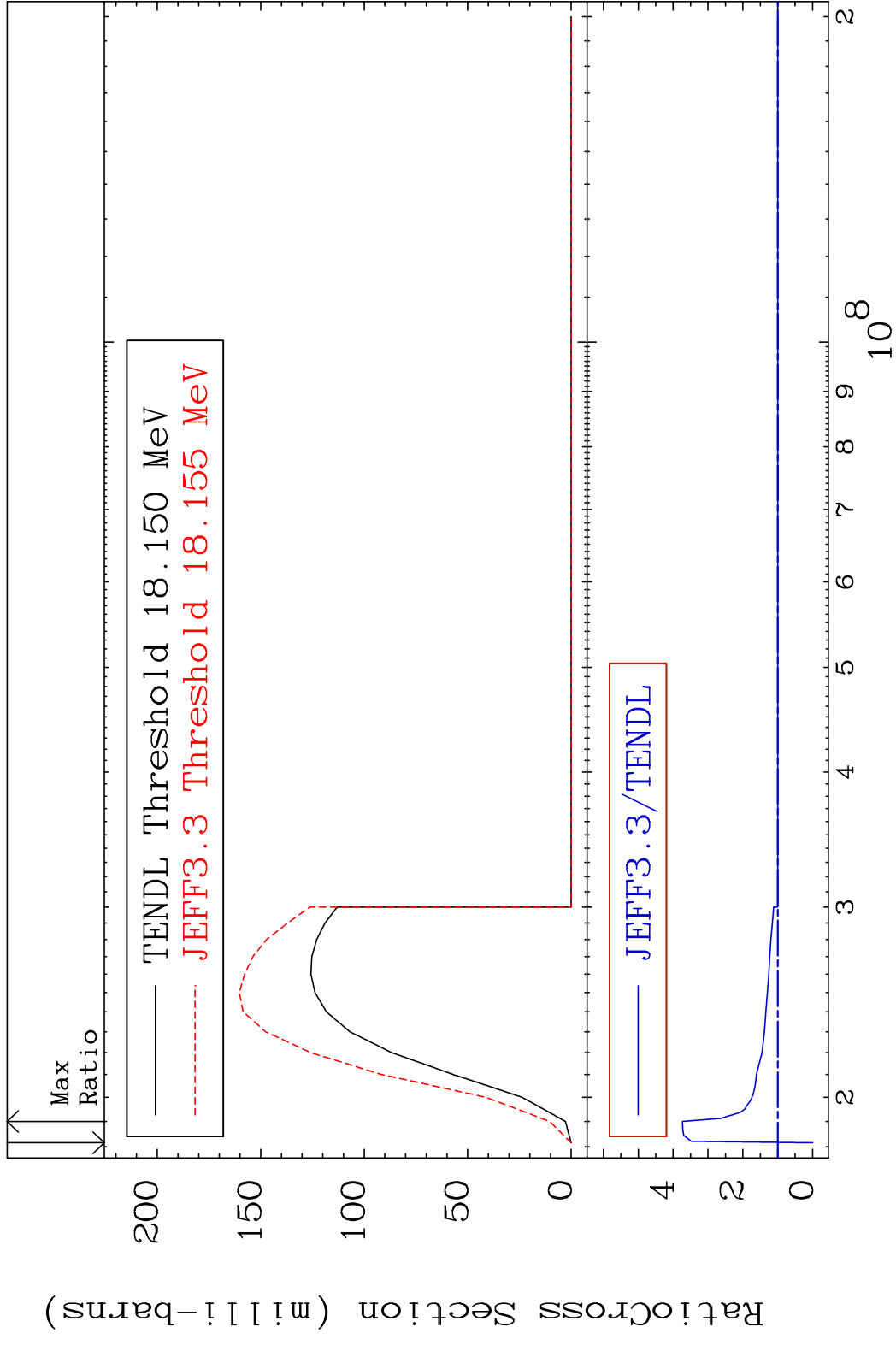


81 Incident Energy (eV) 45-Rh-101

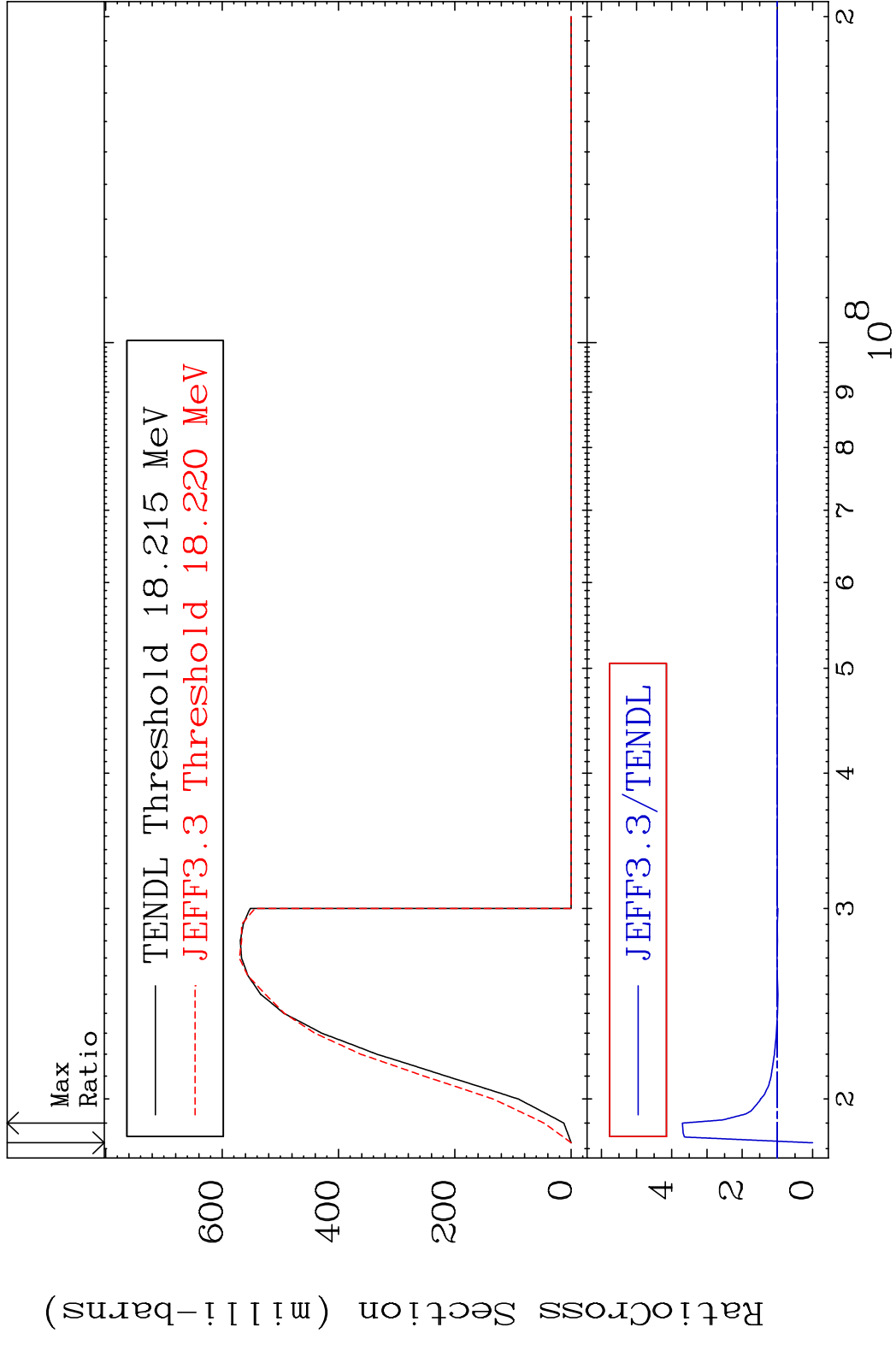
MAT 4519 (n,2n):45-Rh-100m4 45-Rh-101  
 Radionuclide Production Cross Section 180.01 dth 29.03 %

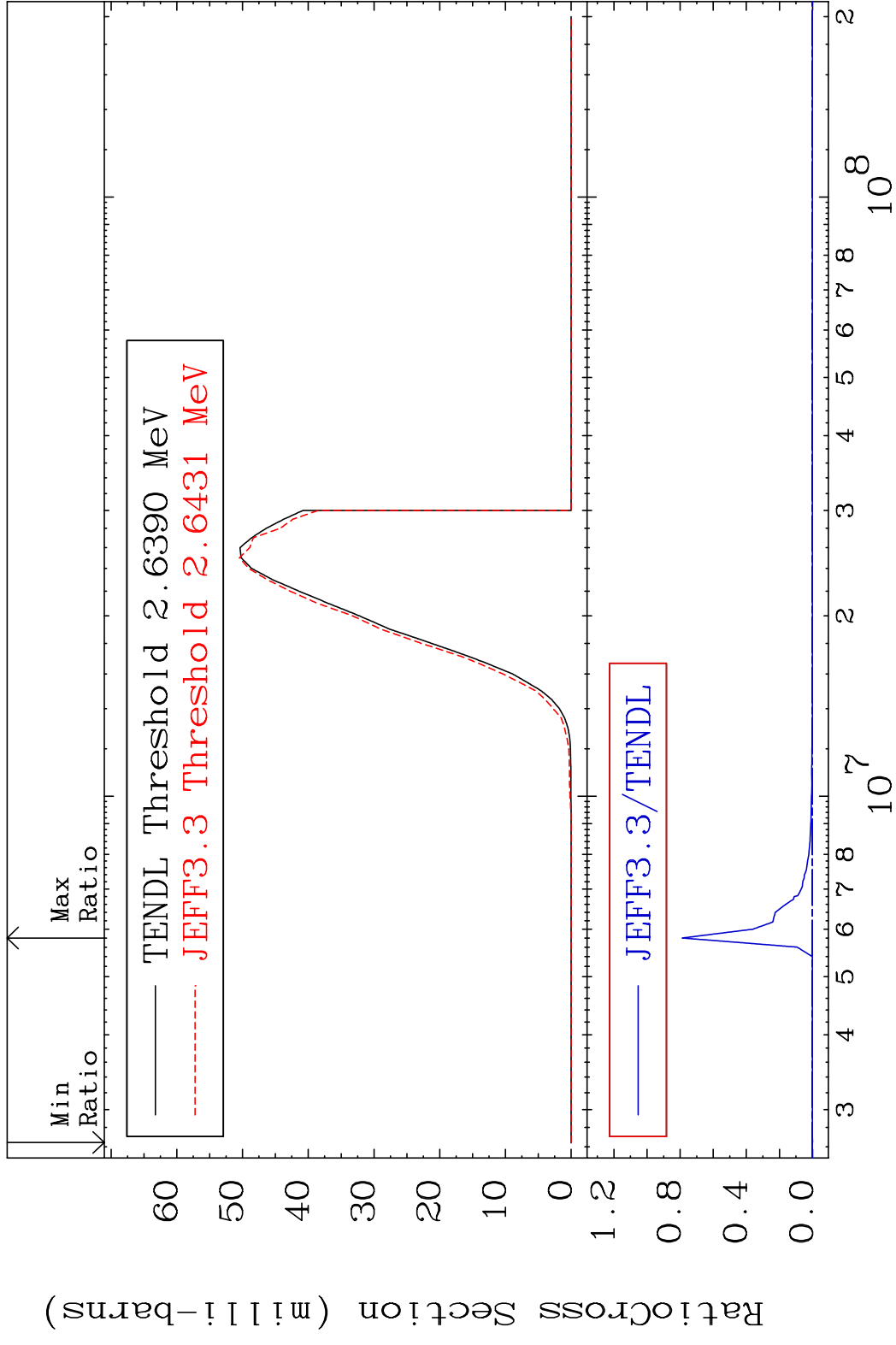


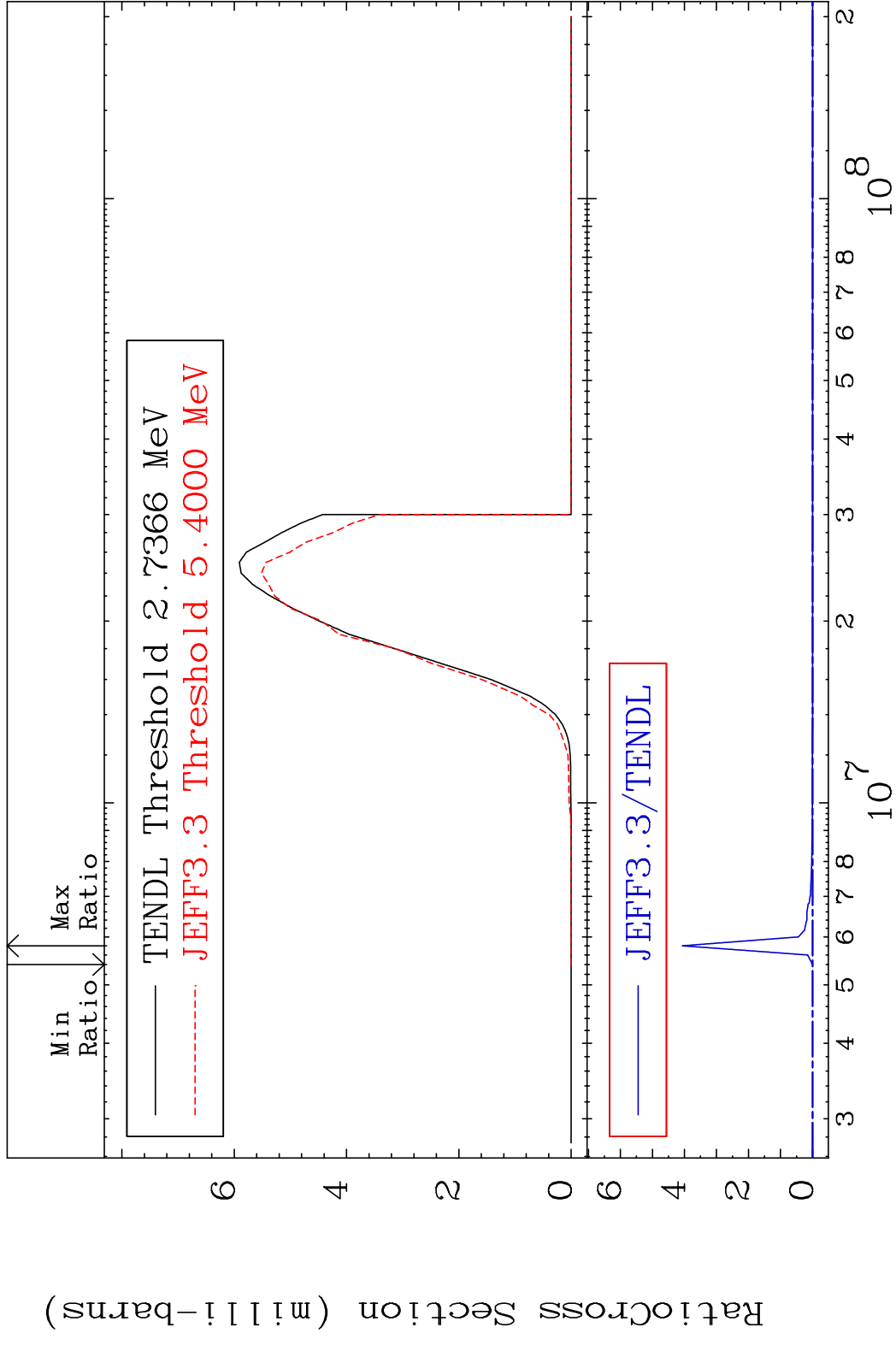
MAT 4519 (n,3n):45-Rh-99g 45-Rh-101  
 Radionuclide Production Cross Section 18.155 MeV 273.5 %

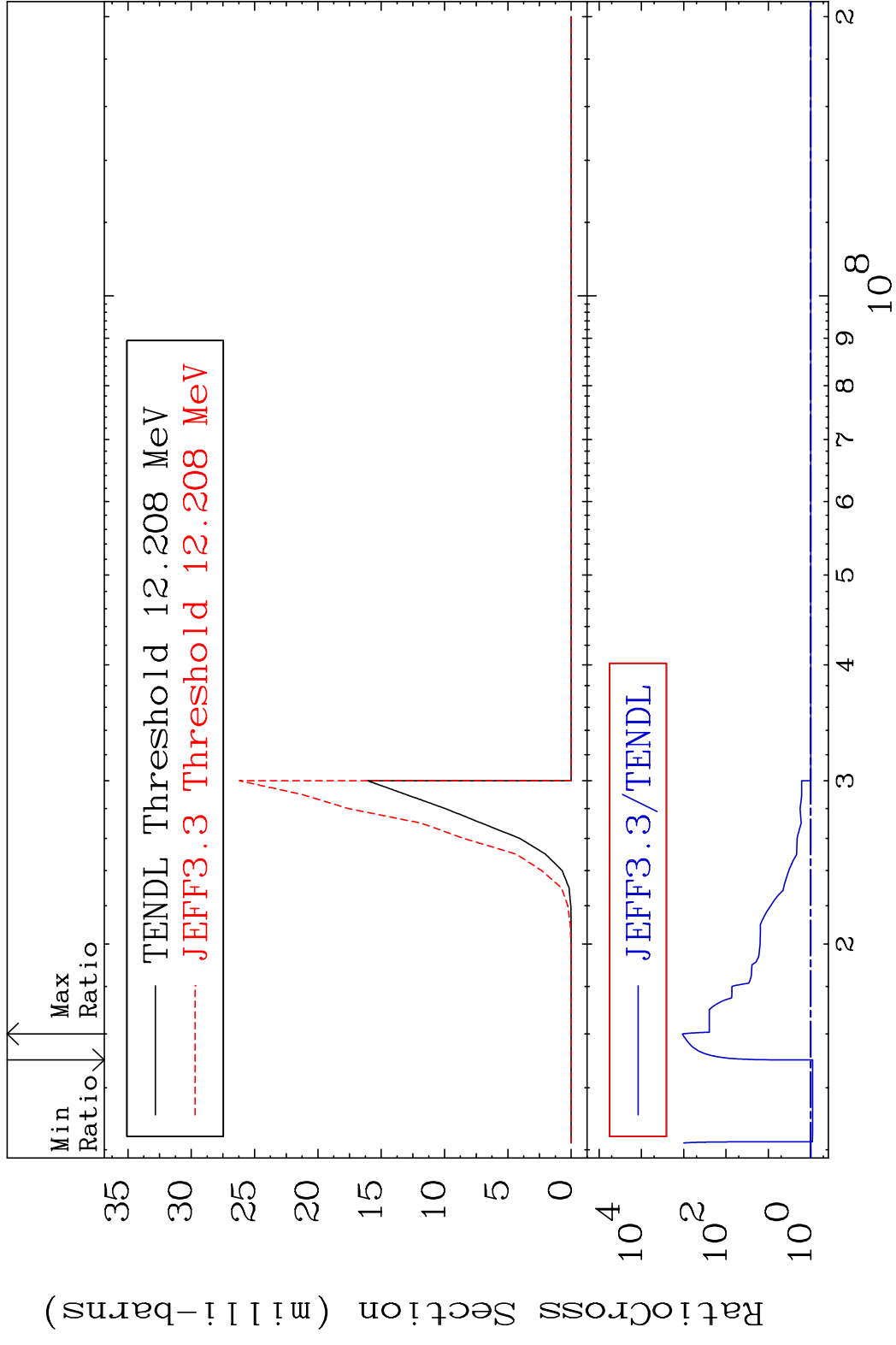


MAT 4519 (n,3n):45-Rh-99m1 45-Rh-101  
 Radionuclide Production Cross Section 18.215 MeV 269.8 %

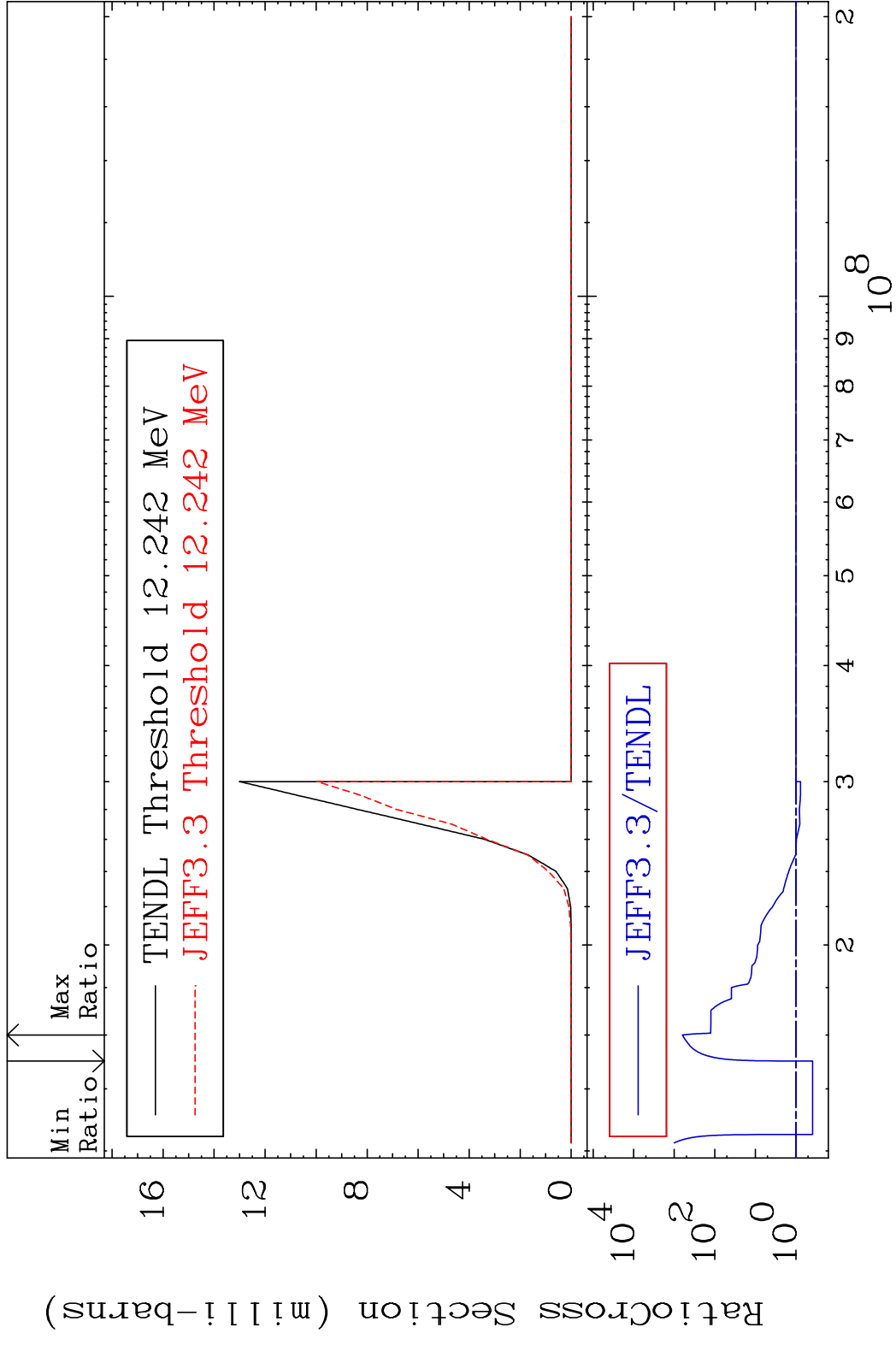




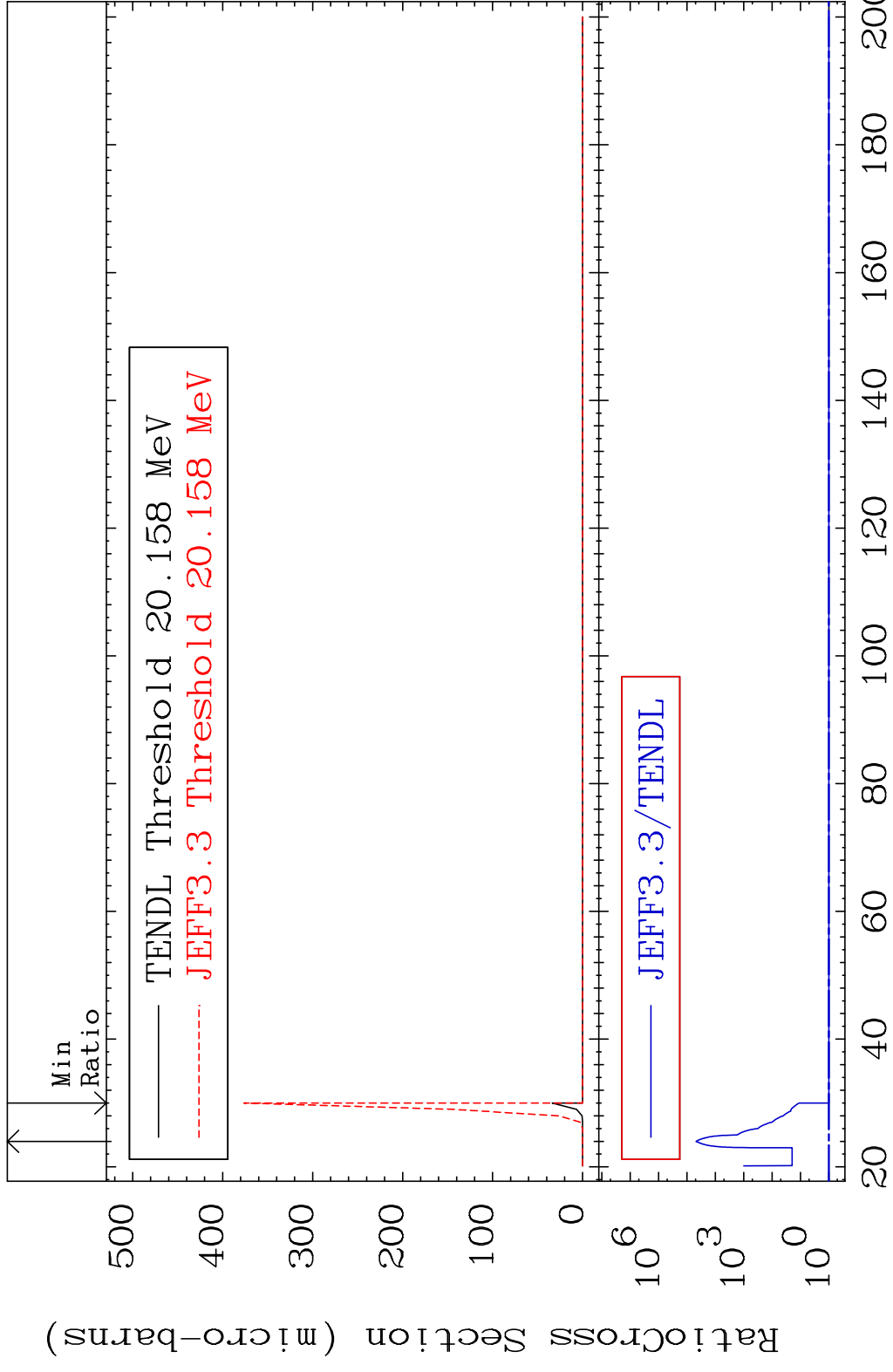




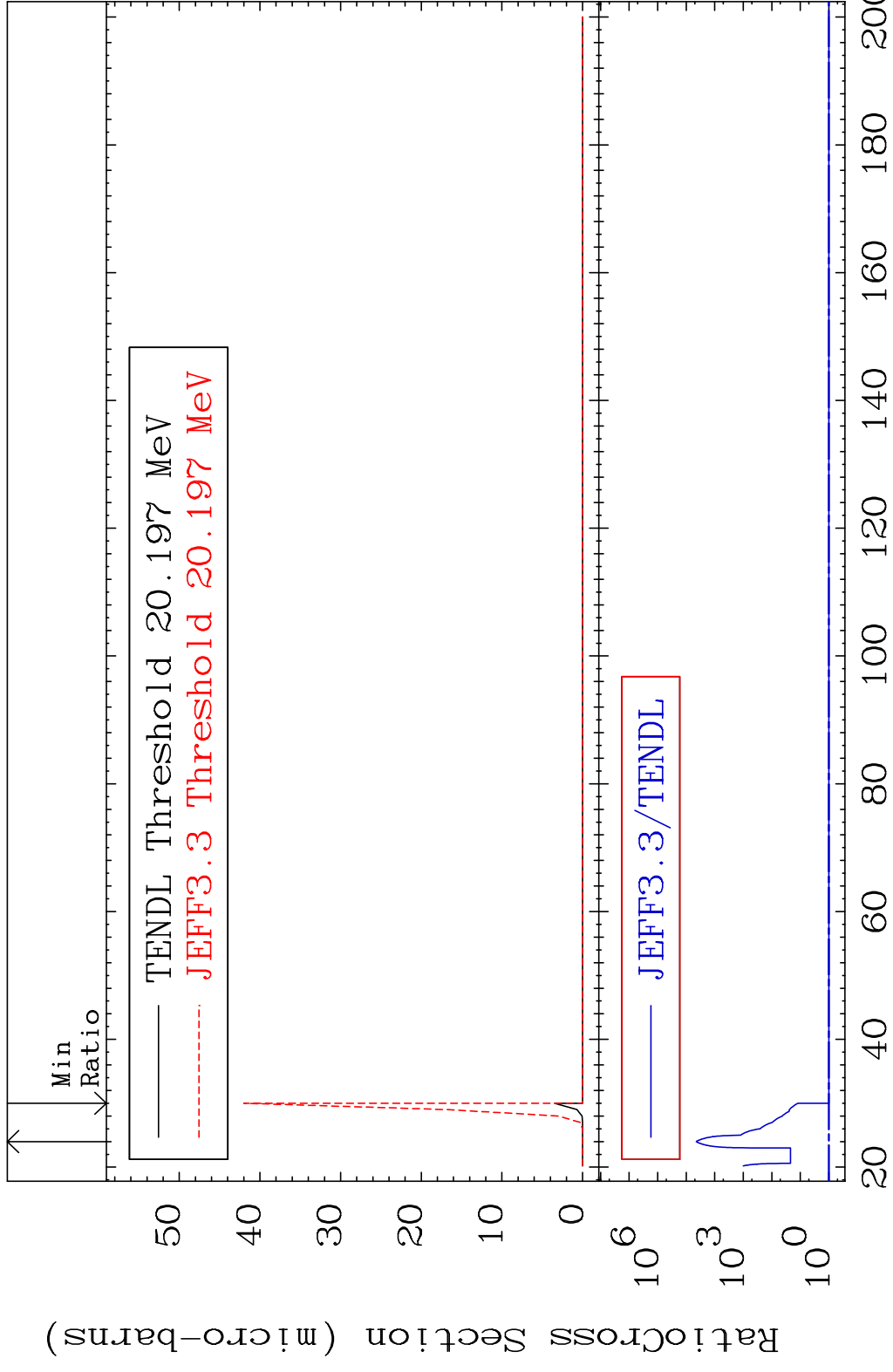




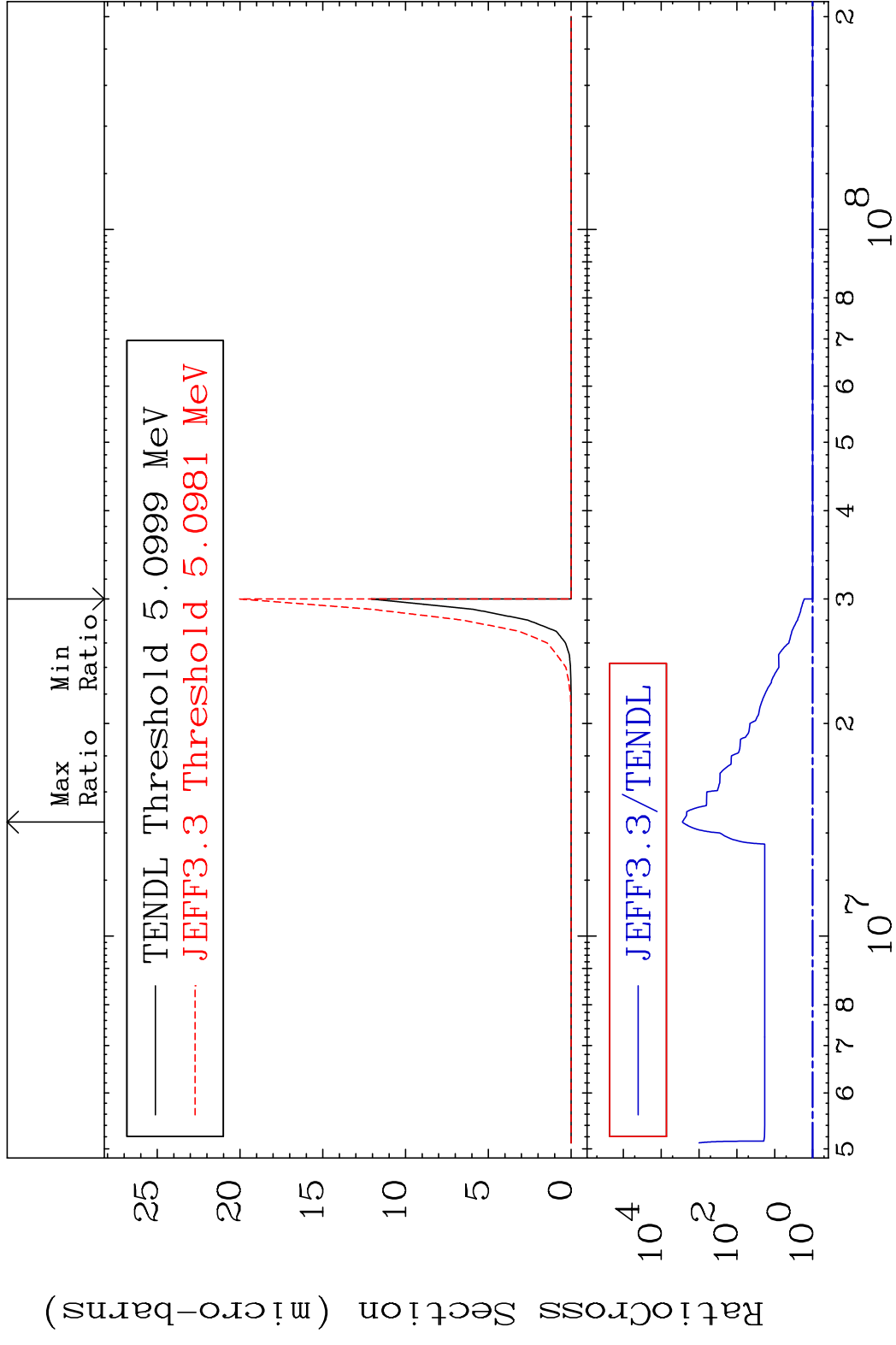
MAT 4519 (n,3n)  $\alpha$ :43-Tc-95g 45-Rh-101  
 Radionuclide Production Cross Section, %

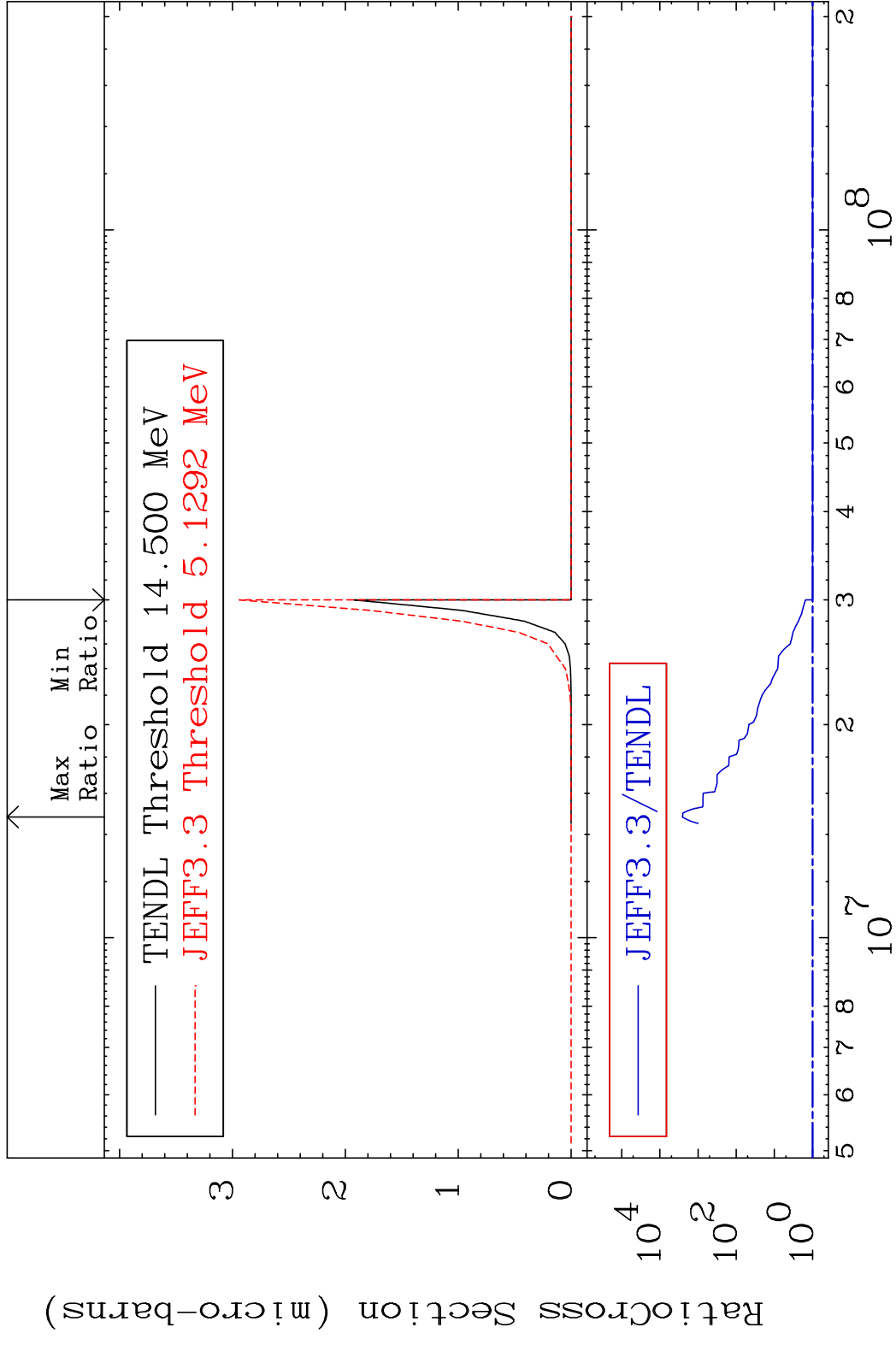


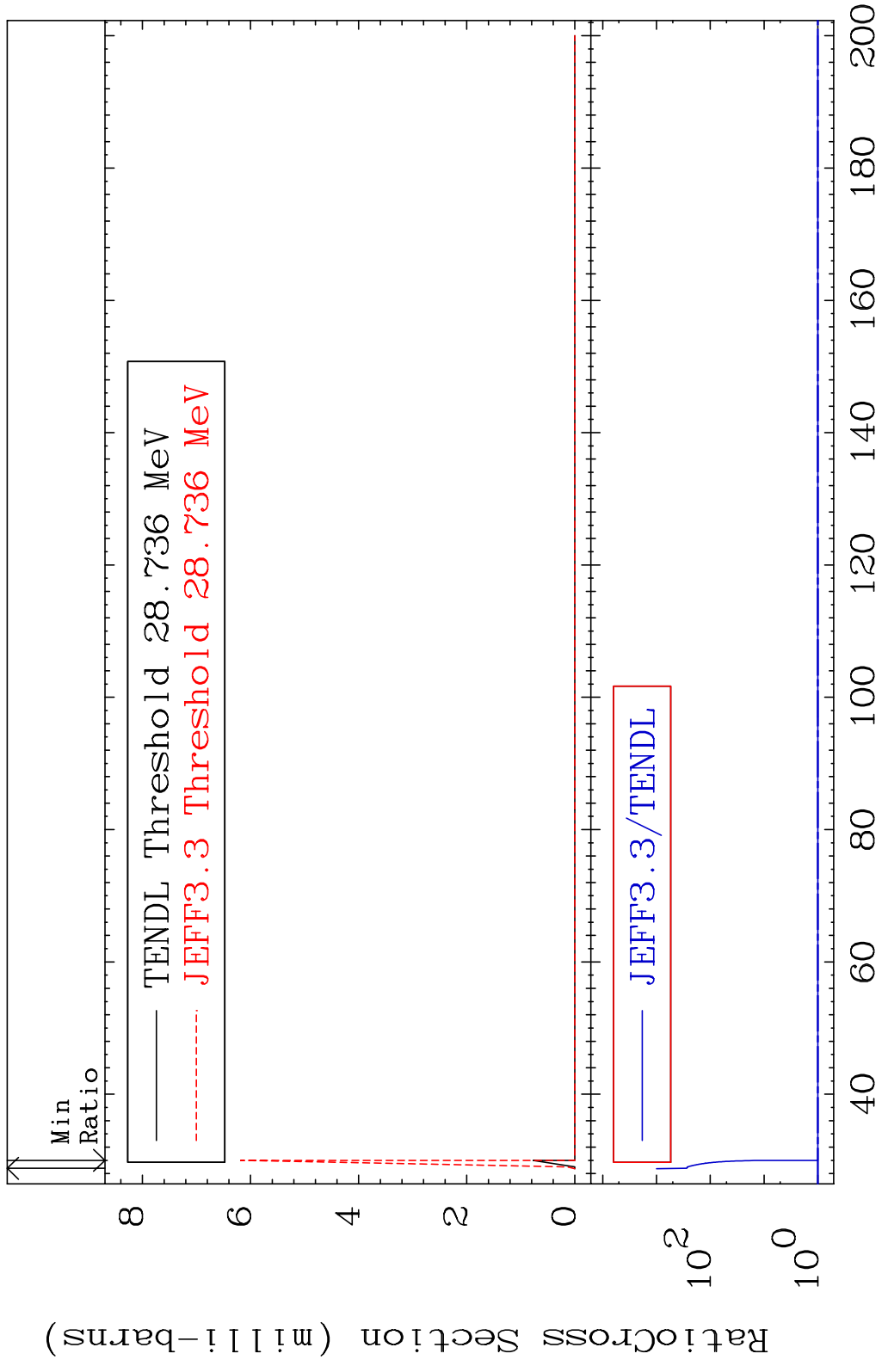
MAT 4519 (n,3n)  $\alpha$ :43-Tc-95m1 45-Rh-101  
 Radionuclide Production Cross Section, %



90 Incident Energy (MeV) 45-Rh-101







MAT 4519 (n,2n) p:43-Tc-99g 45-Rh-101  
 Radionuclide Production Cross Section 98.96110 400.0 %

