

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

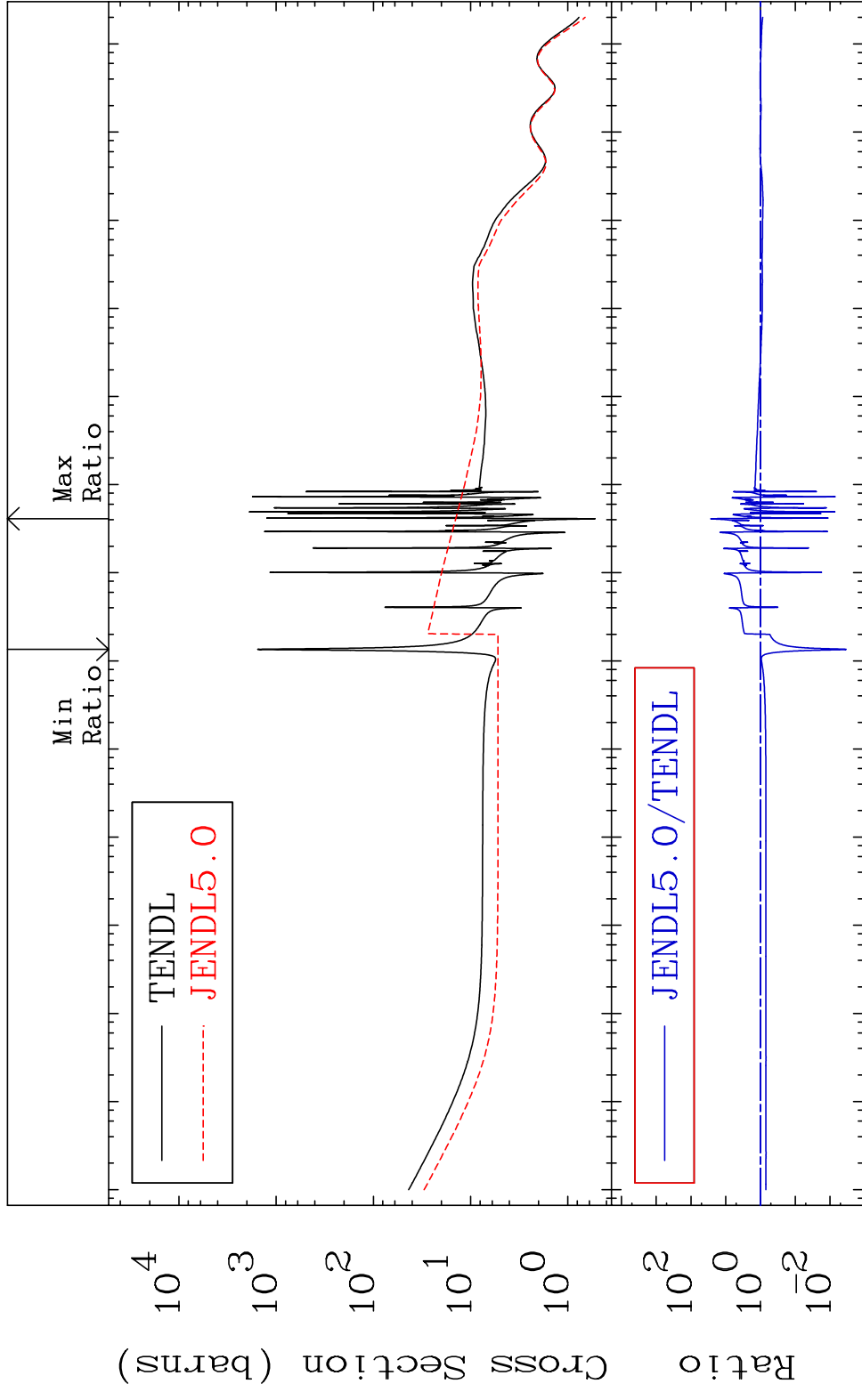
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start



MAT 4519

Elastic Cross Section -99.66 To 2603. %  
45-Rh-101

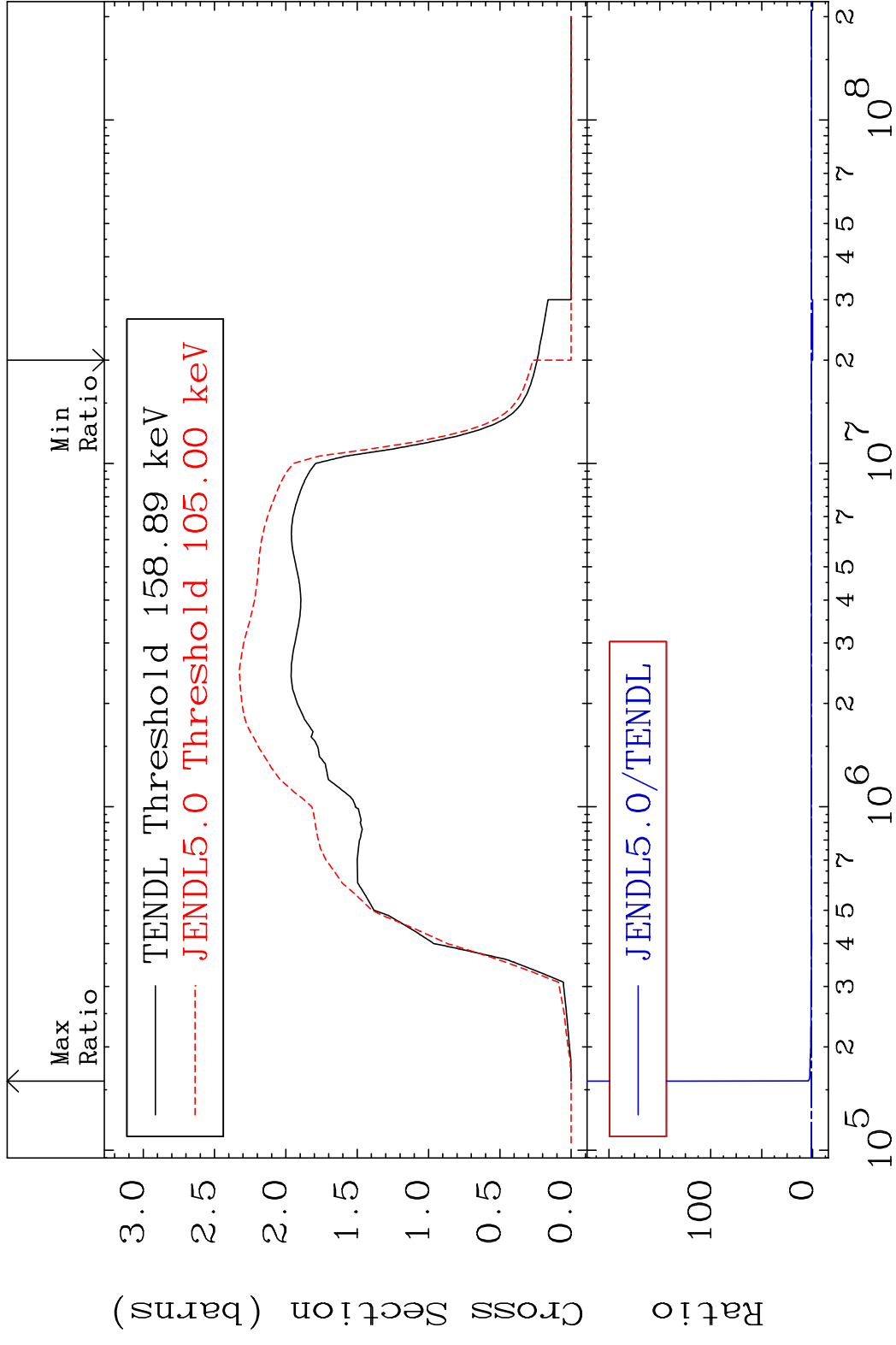


MAT 4519

Inelastic

45-Rh-101

Cross Section -100.0 To 9999. %

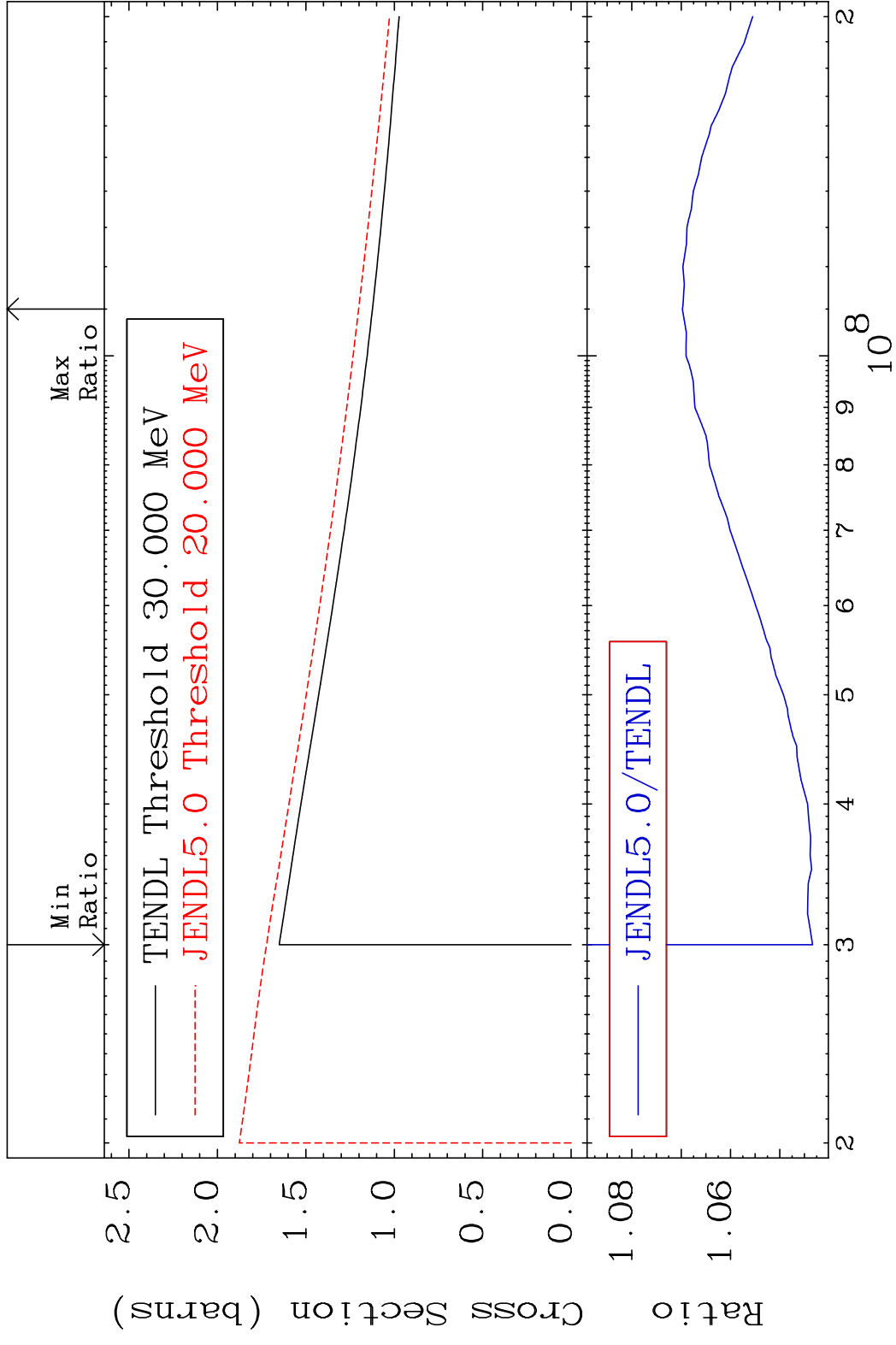


3

Incident Energy (eV)

45-Rh-101

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



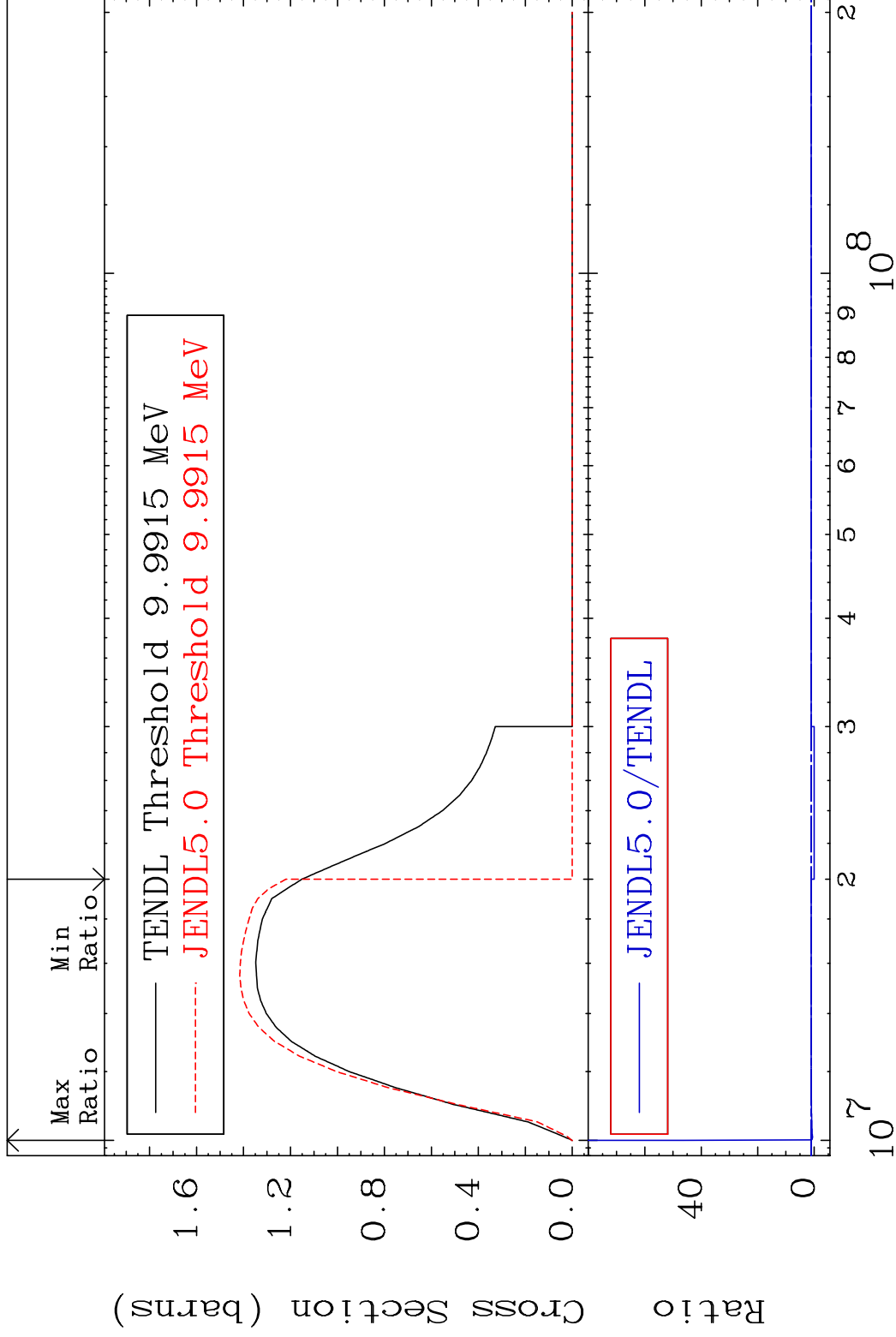
4 Incident Energy (eV) 45-Rh-101

MAT 4519

(n,2n)

45-Rh-101

Cross Section -100.0 To 4524. %

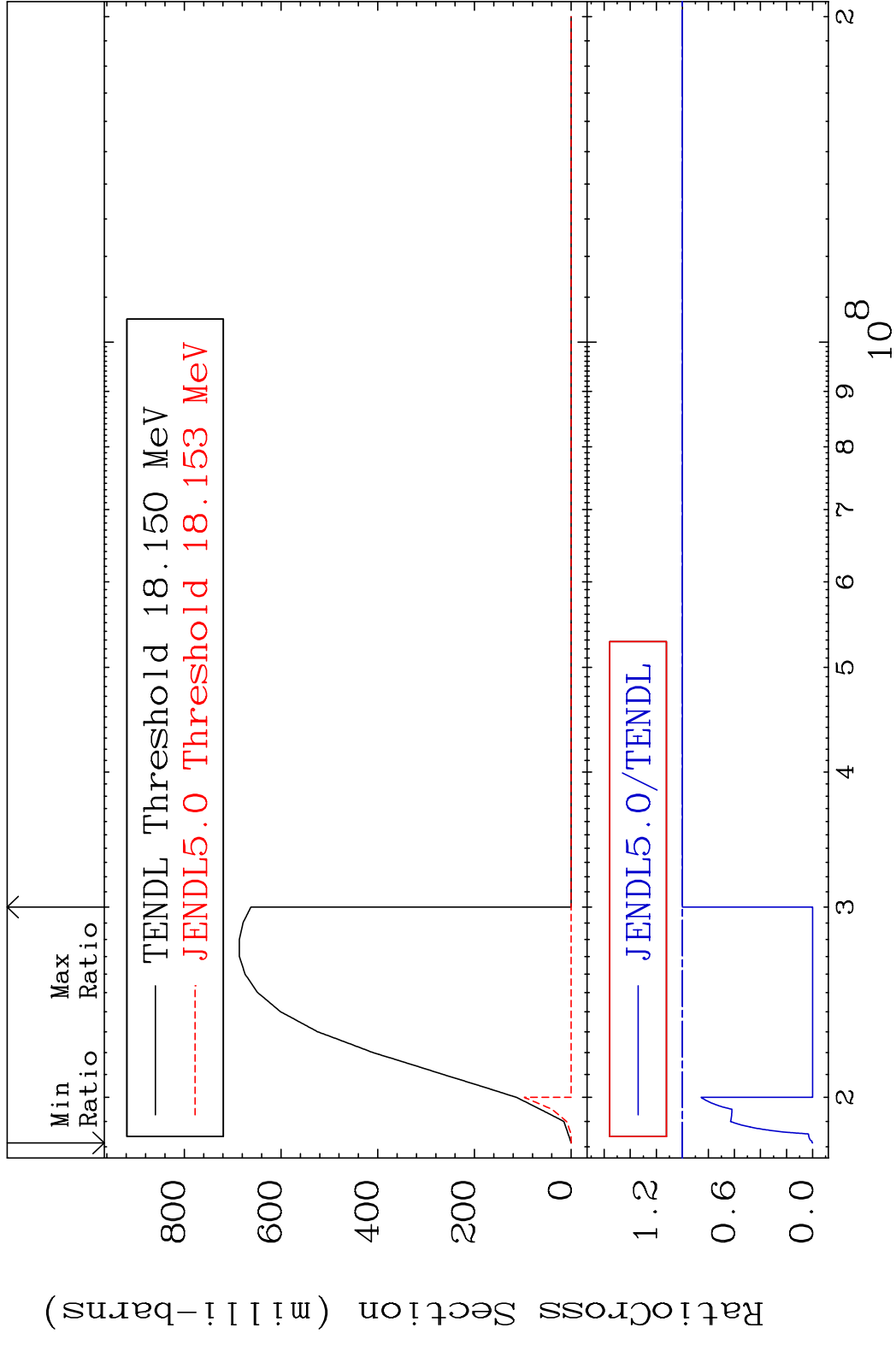


5

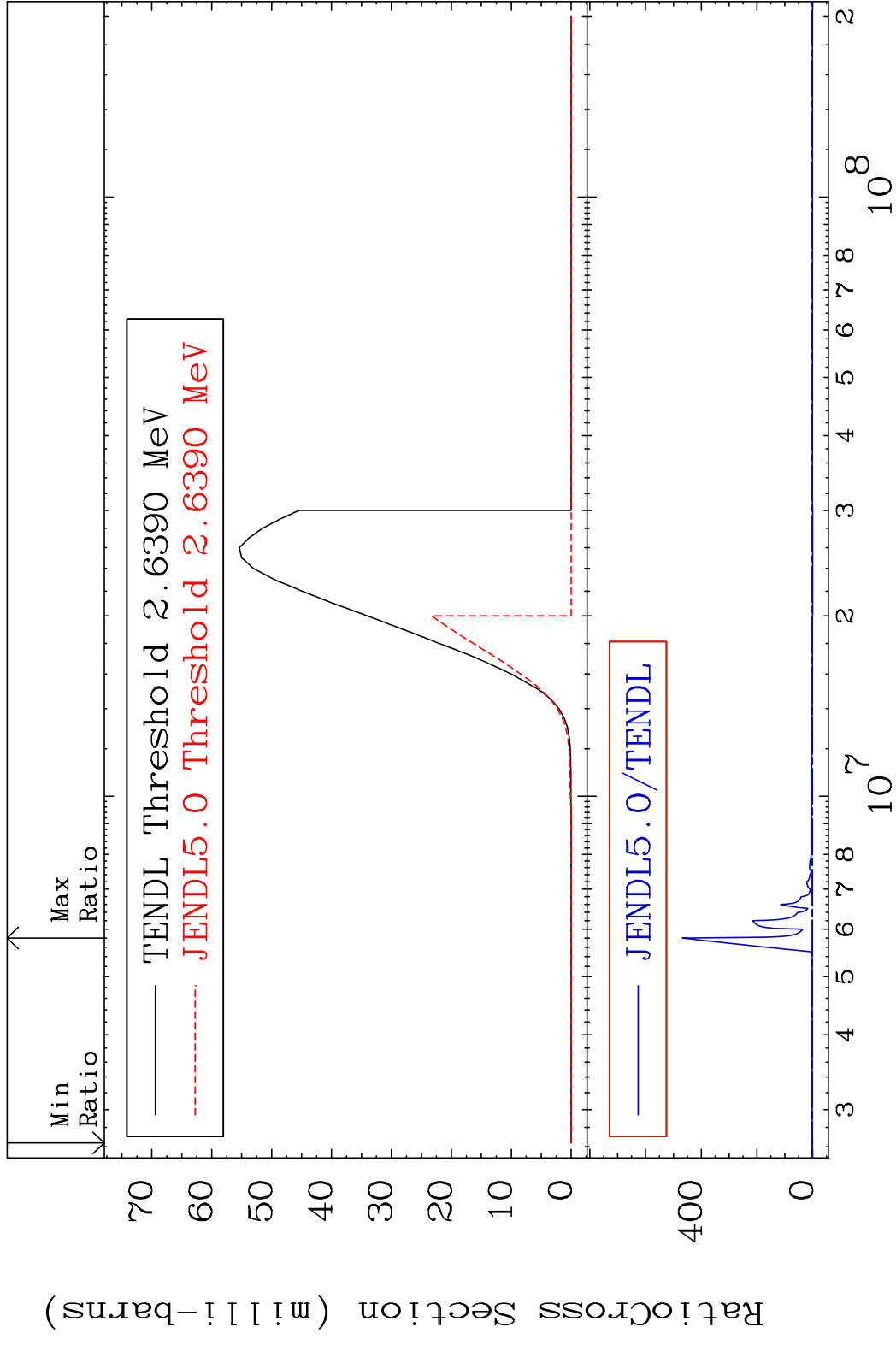
Incident Energy (eV)

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. %

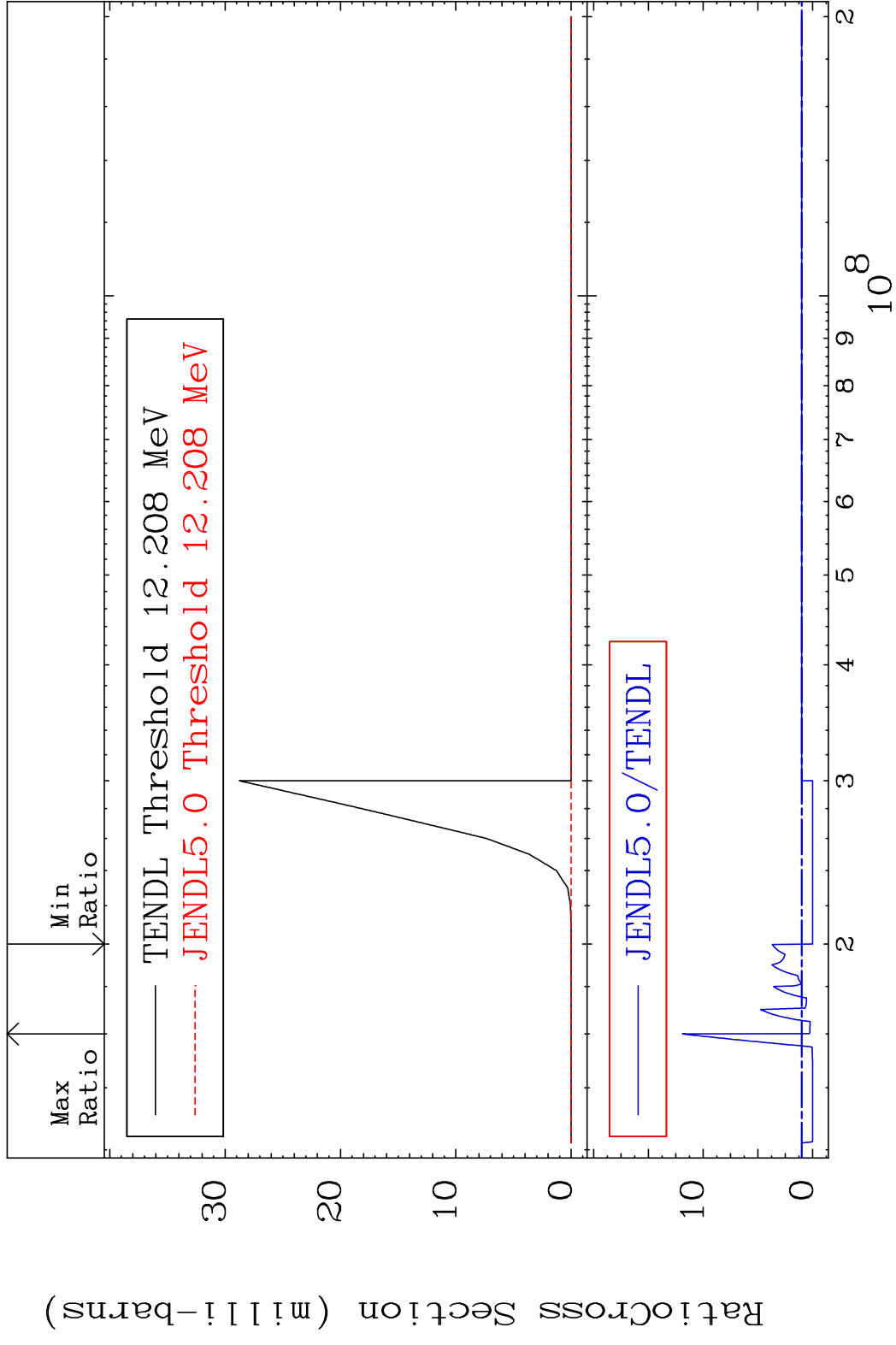


MAT 4519

(n,2n)  $\alpha$

45-Rh-101

Cross Section -100.0 To 1089. %

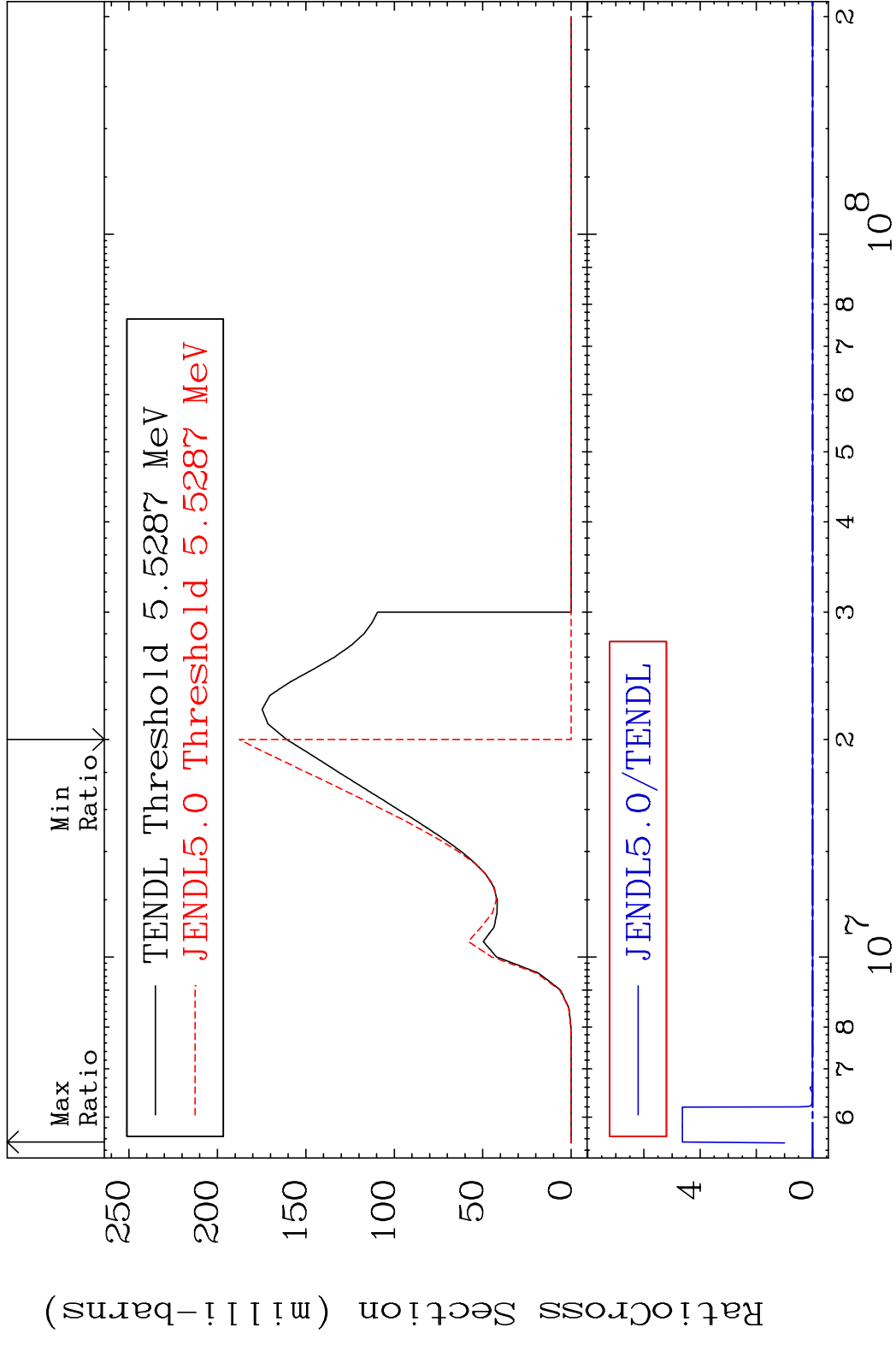


8

Incident Energy (eV)

45-Rh-101

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

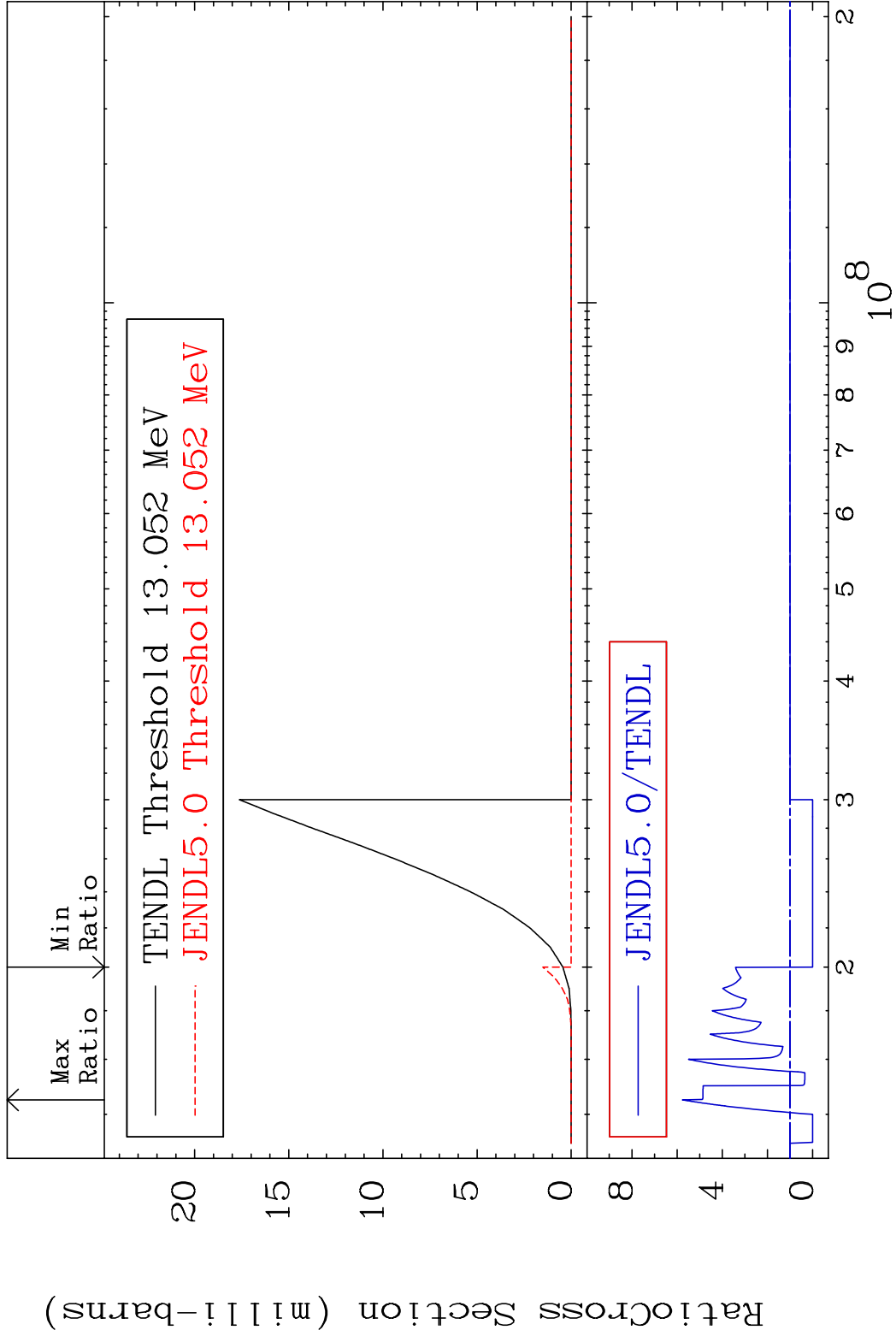


MAT 4519

(n, n') d

45-Rh-101

Cross Section -100.0 To 476.5 %

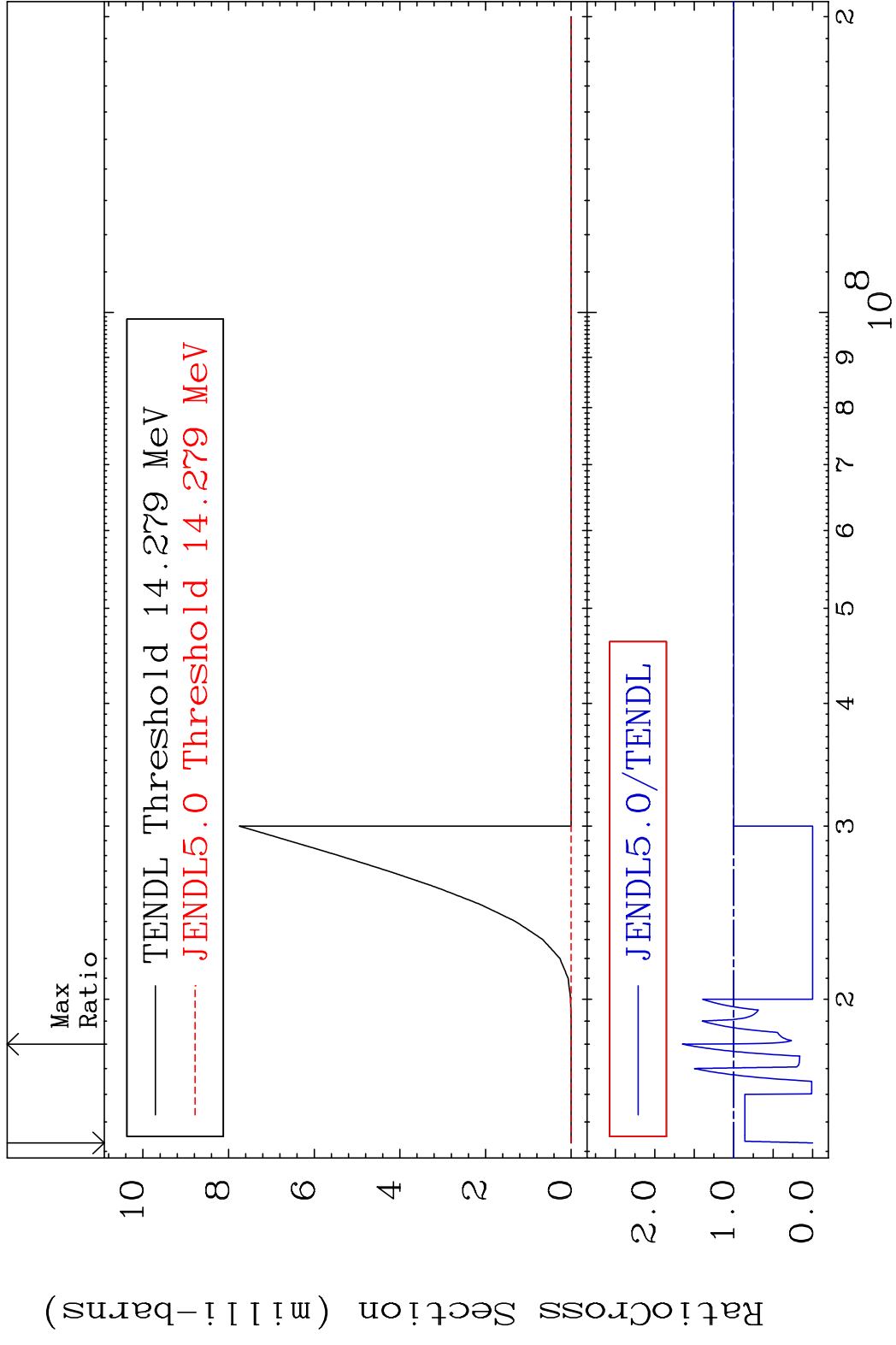


10

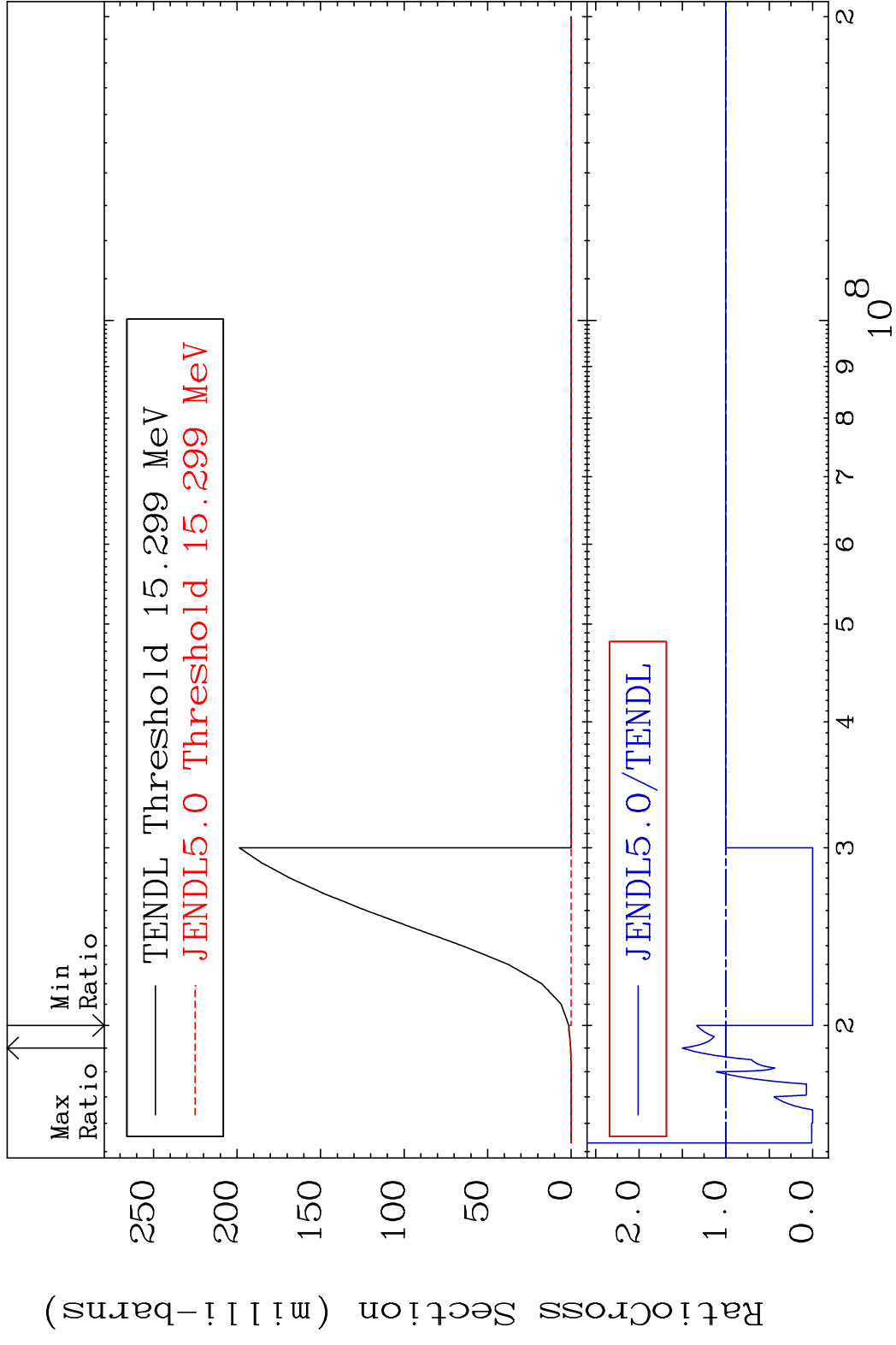
Incident Energy (eV)

45-Rh-101

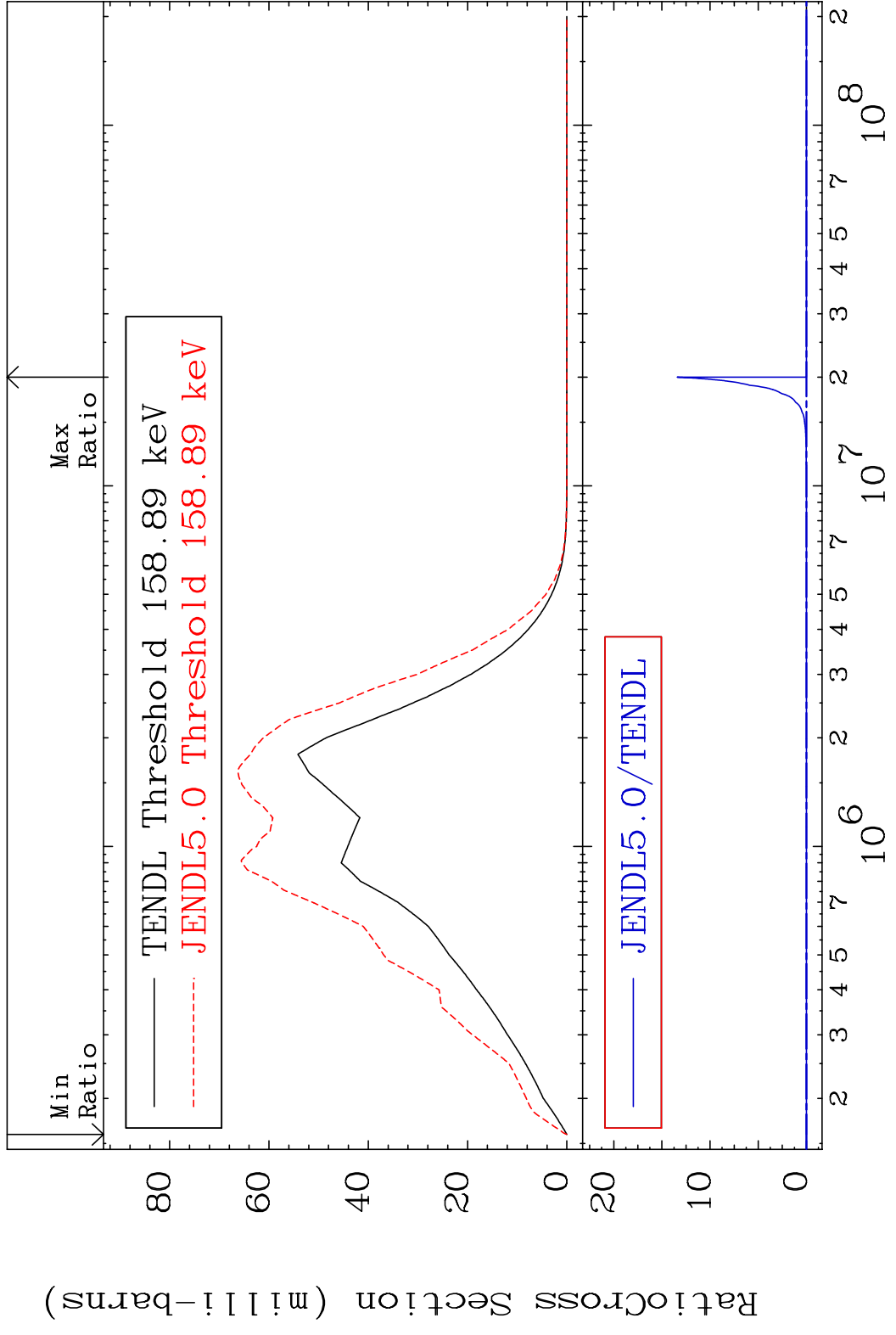
MAT 4519 (n, n') t 45-Rh-101  
 Cross Section -100.0 To 65.01 %



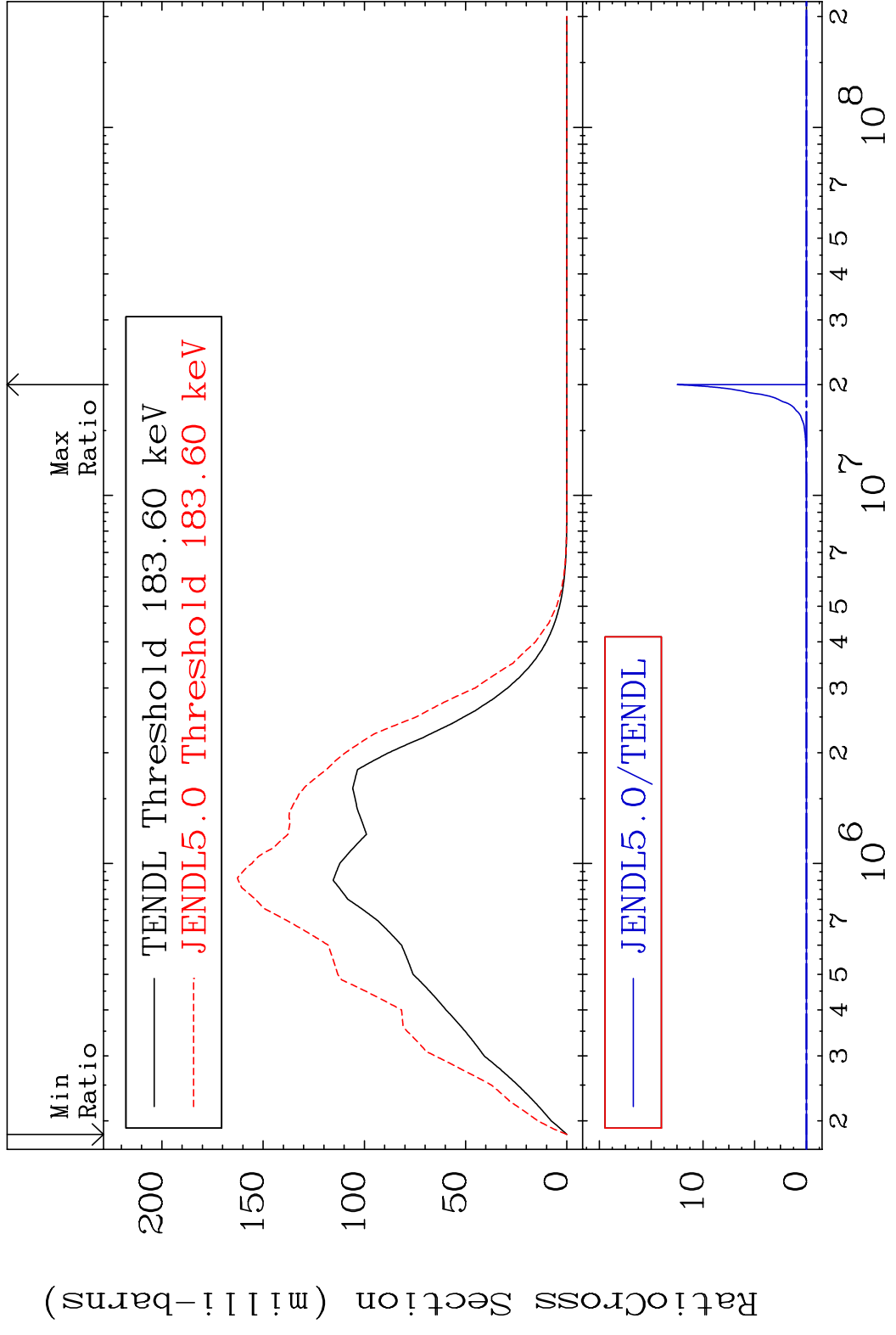
MAT 4519 (n,2n) p 45-Rh-101  
 Cross Section -100.0 To 50.11 %



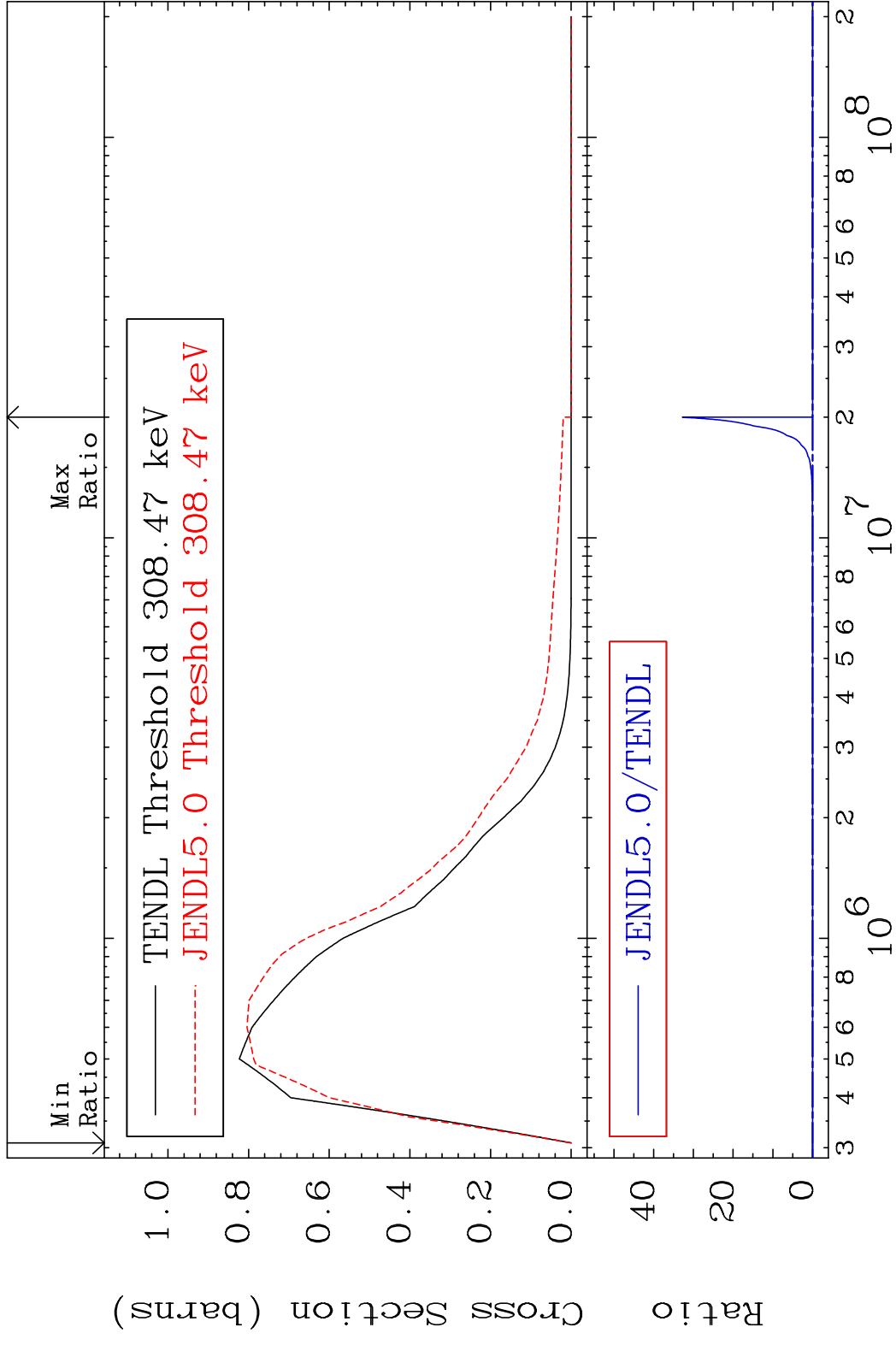
MAT 4519 MT= 51 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



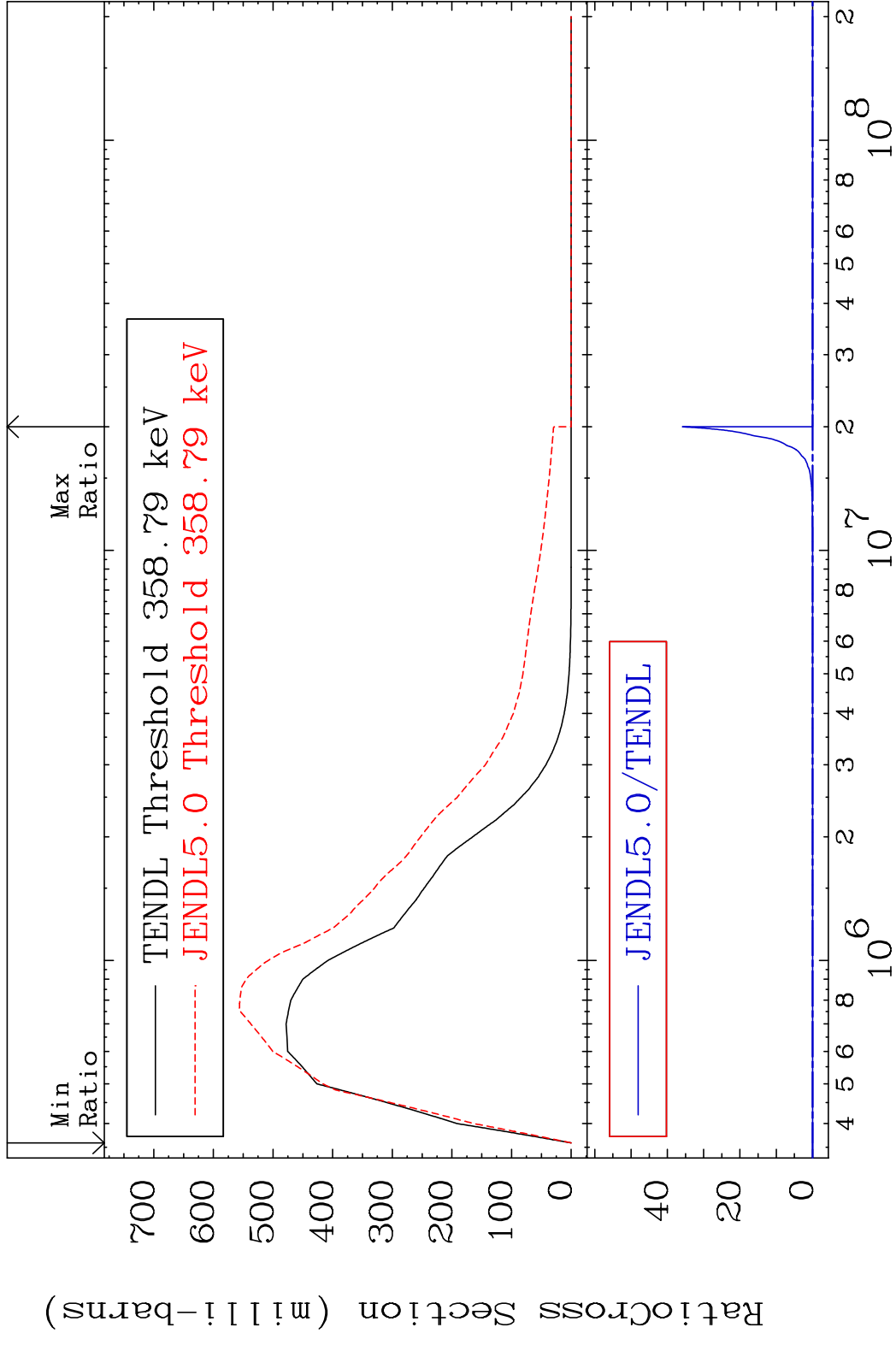
MAT 4519 MT= 52 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



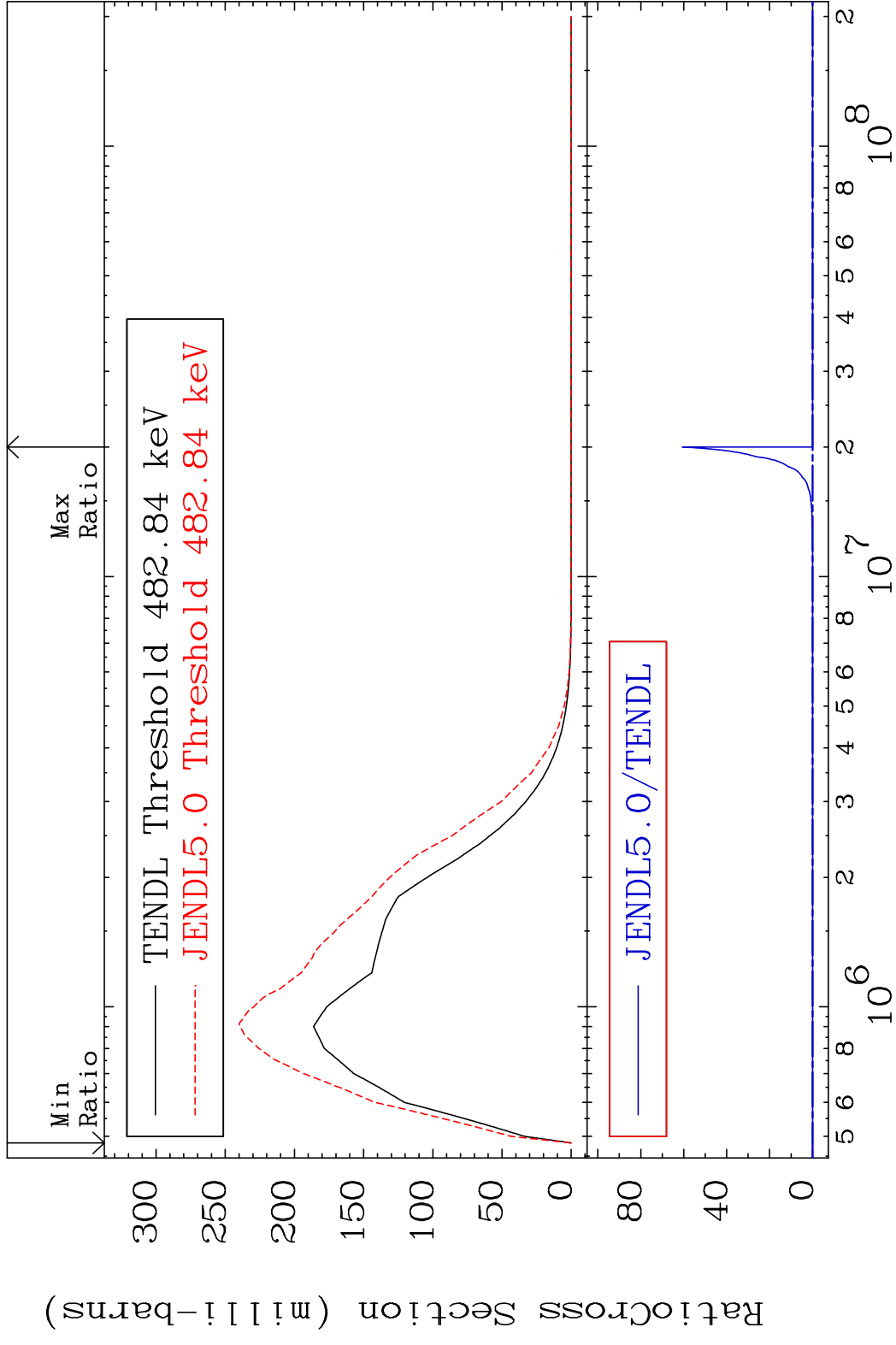
MAT 4519 MT= 53 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



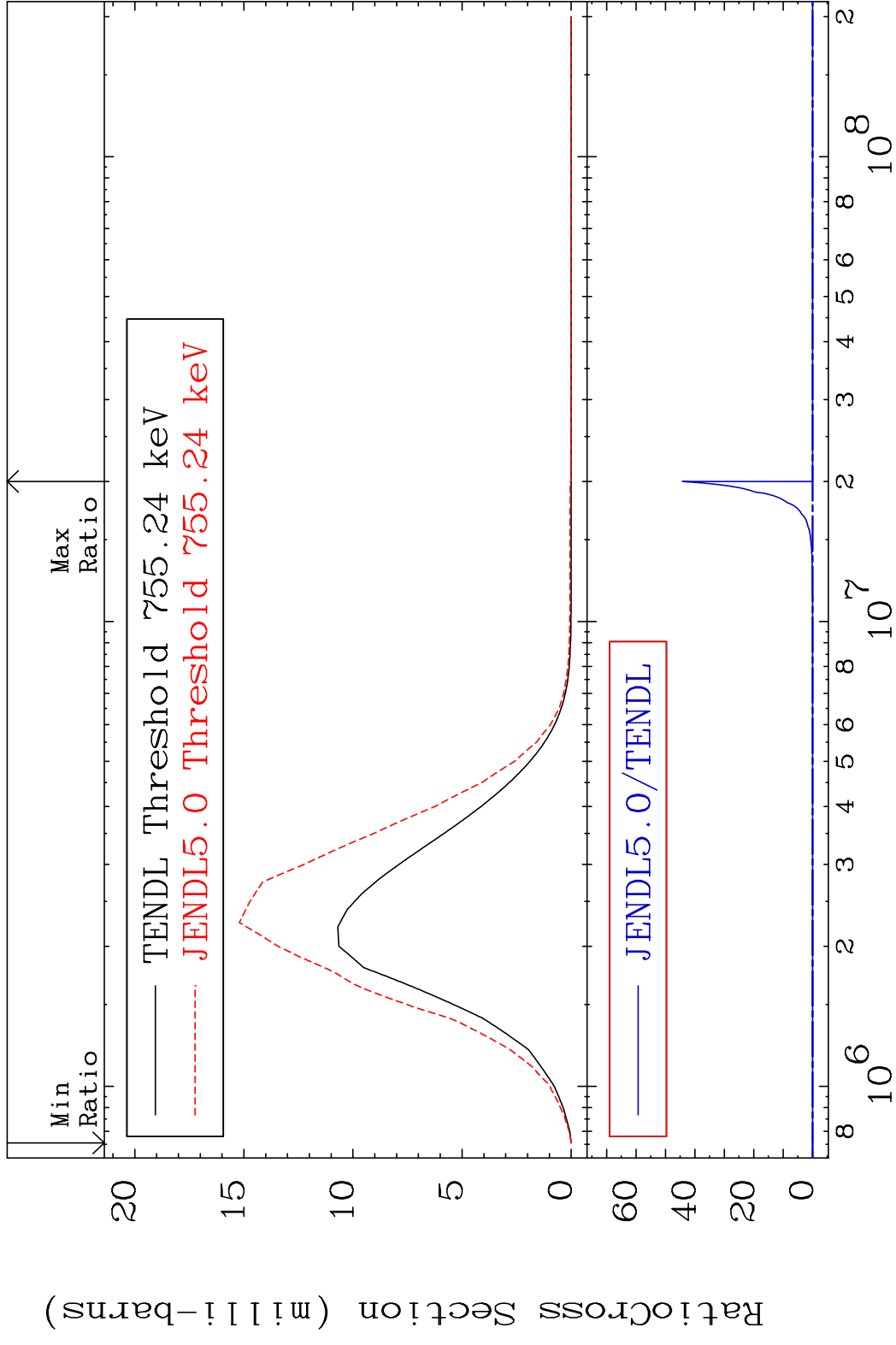
MAT 4519 MT= 54 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



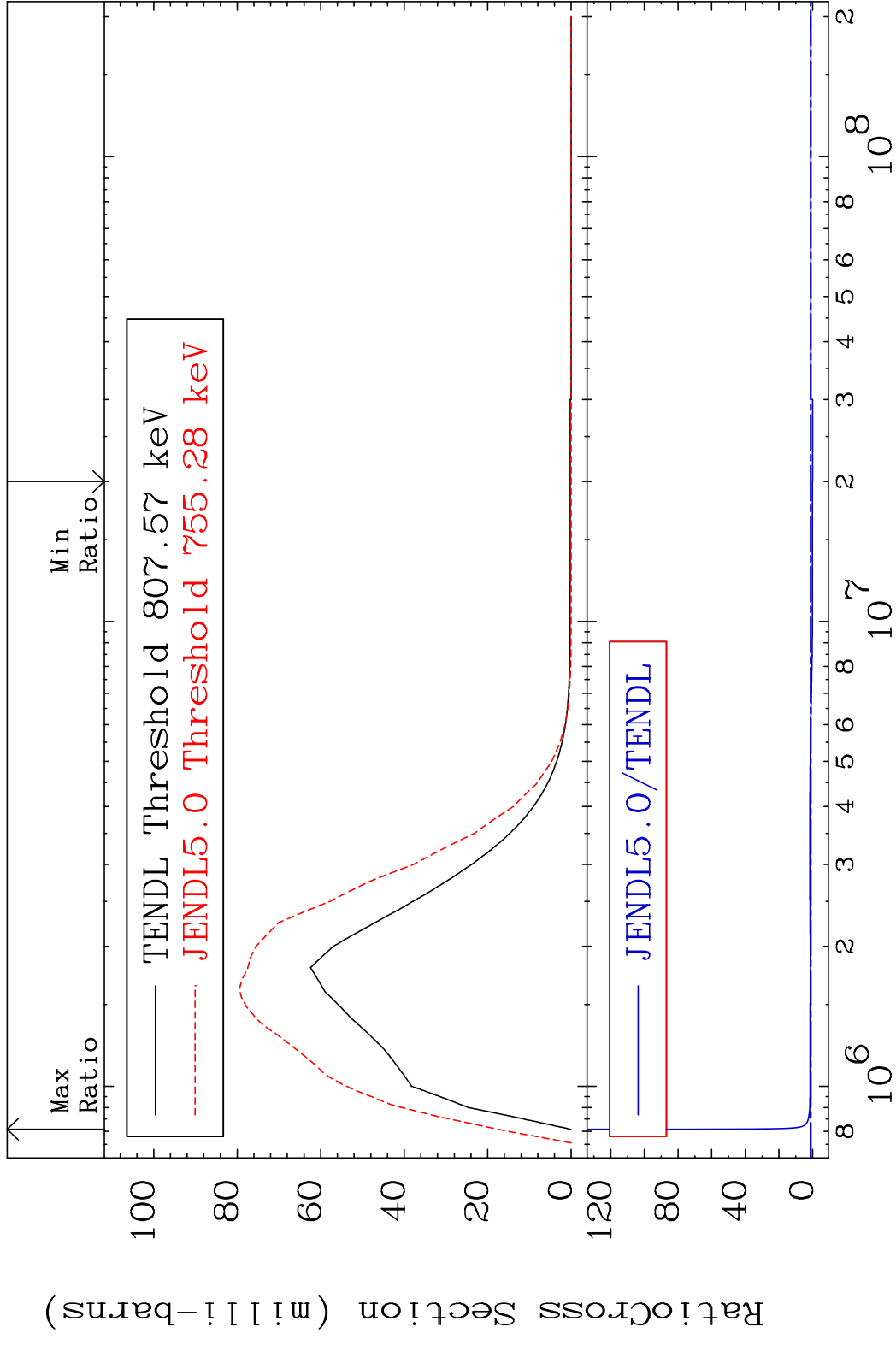
MAT 4519 MT= 55 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



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

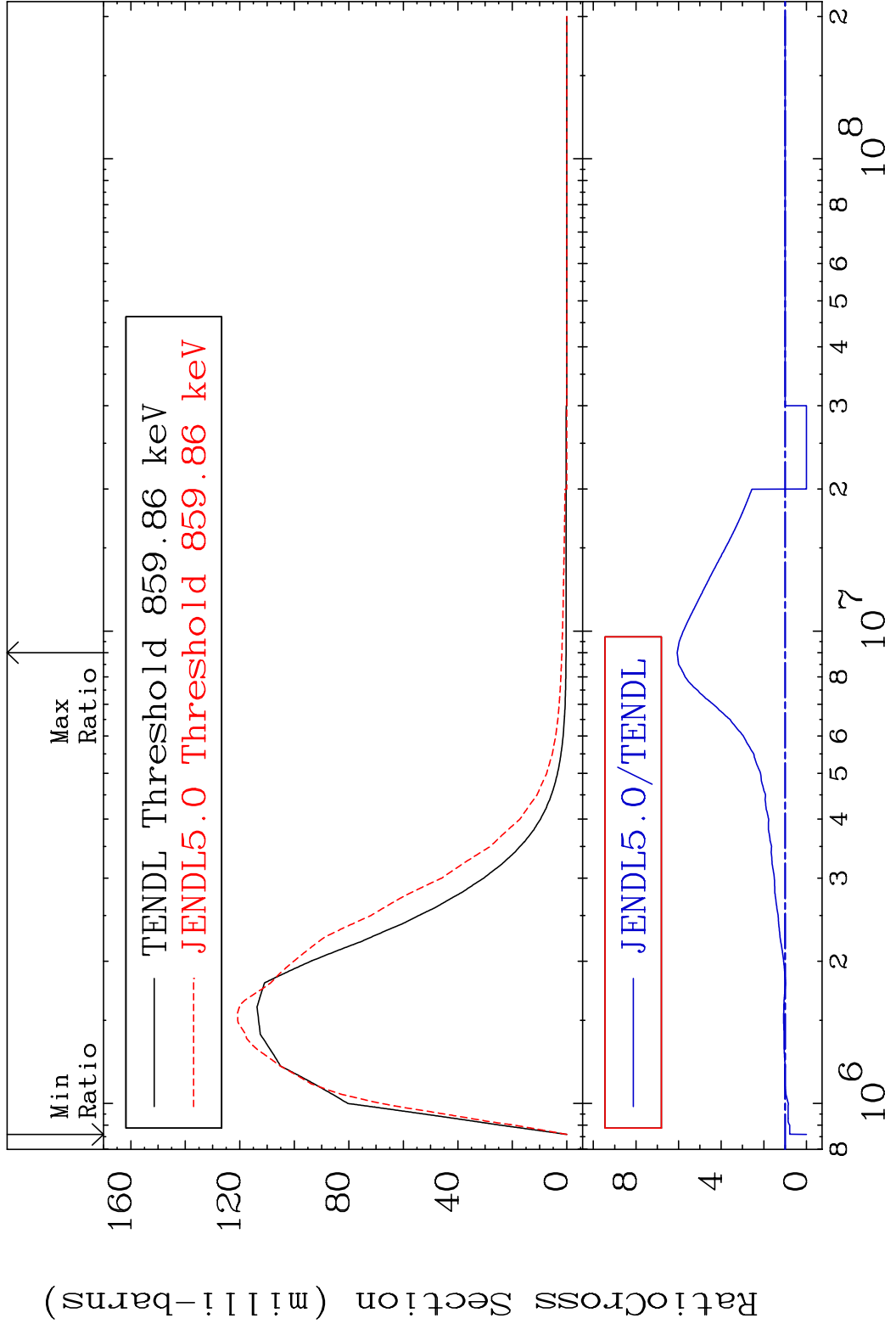


MAT 4519 MT= 57 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 7642. %



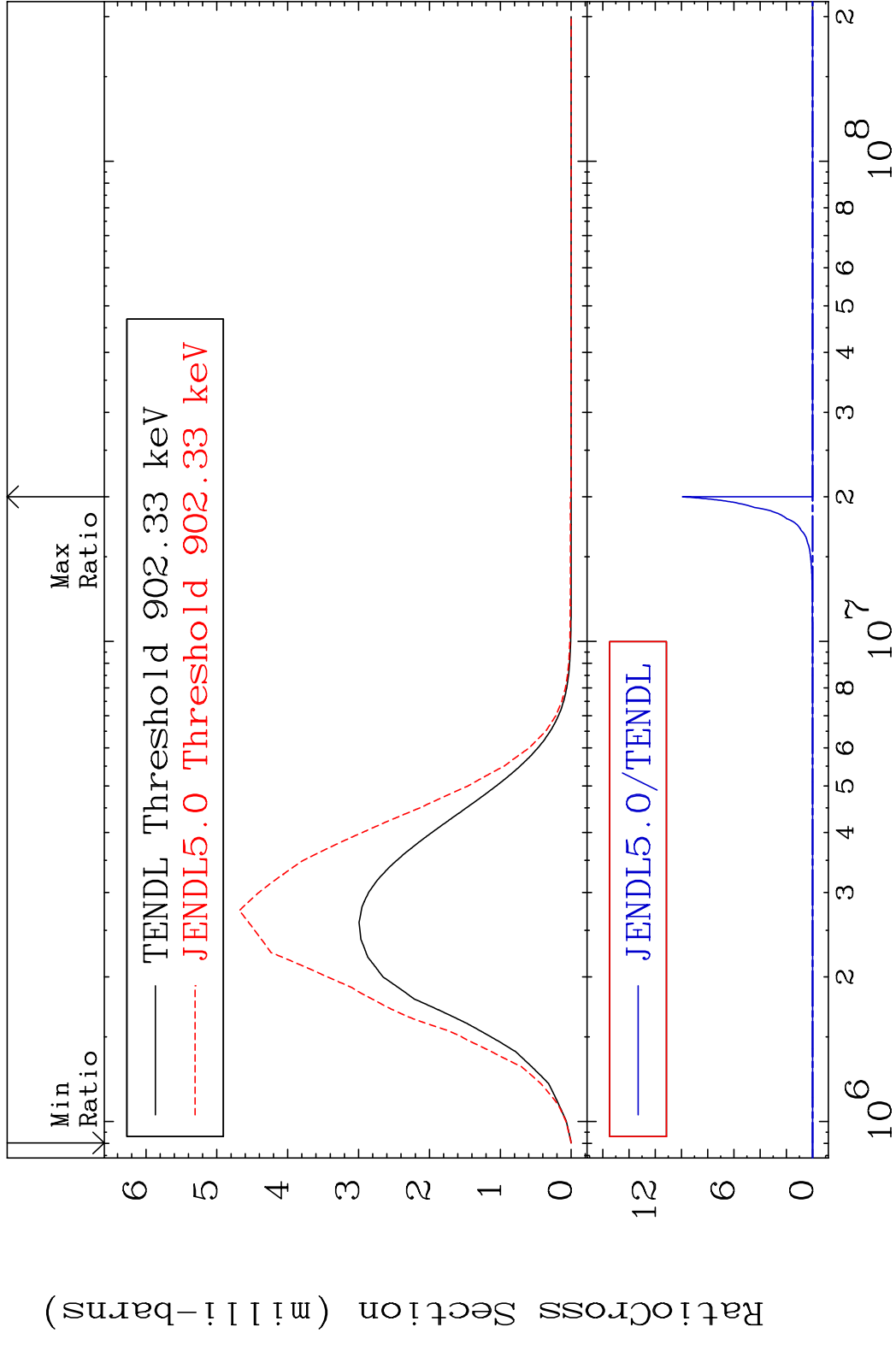
19 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 58 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 506.5 %

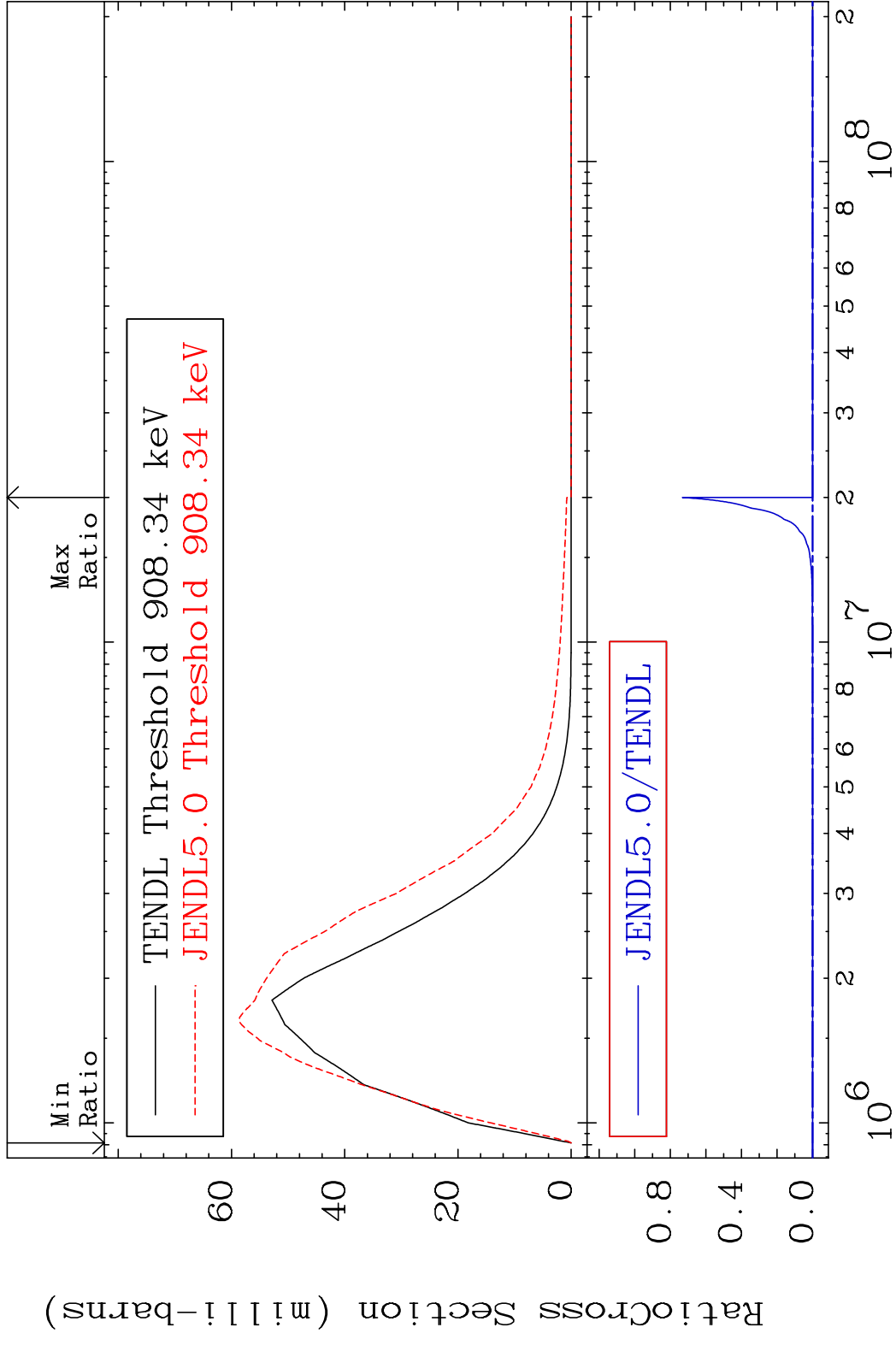


20 45-Rh-101

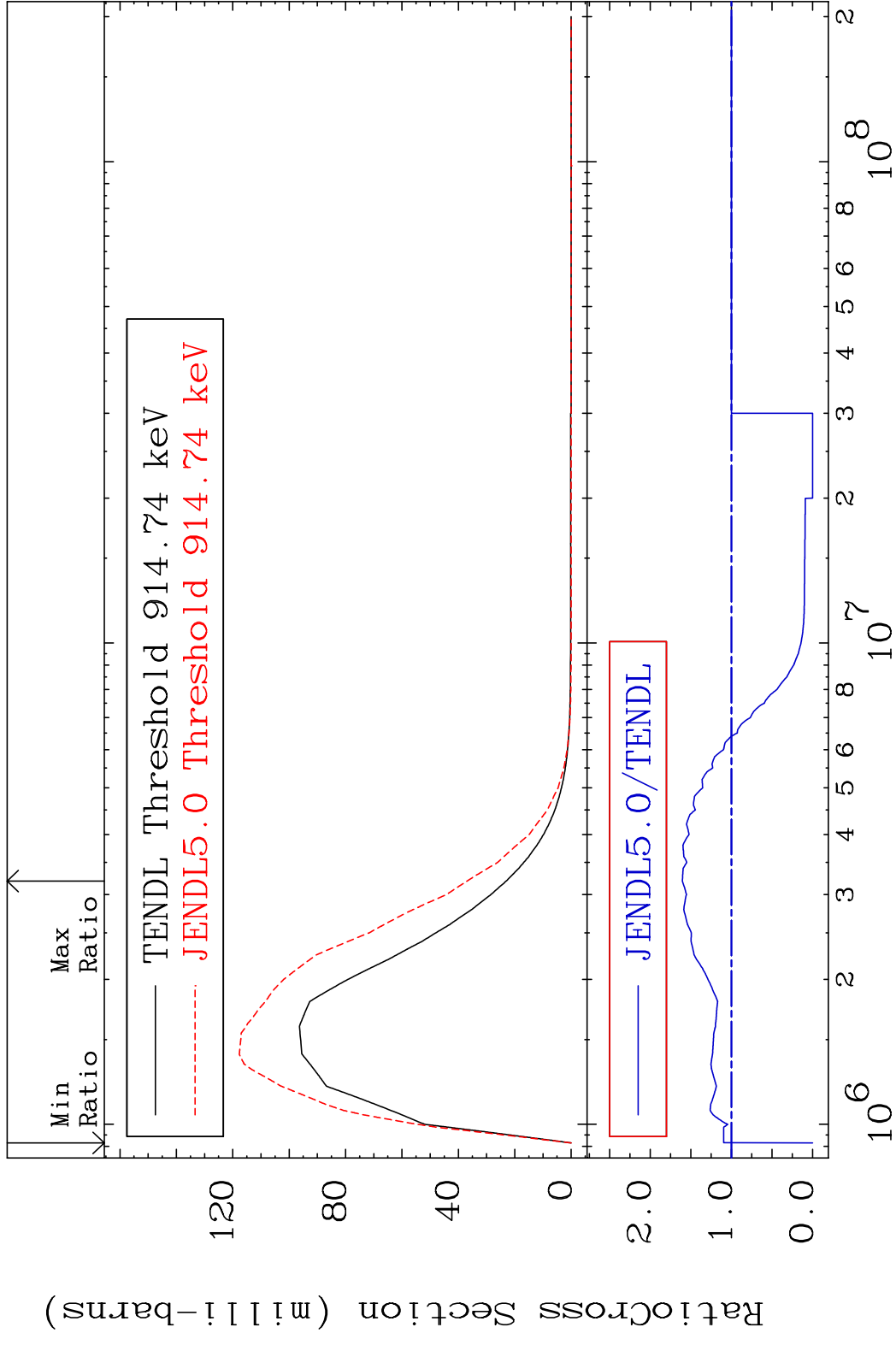
MAT 4519 MT= 59 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



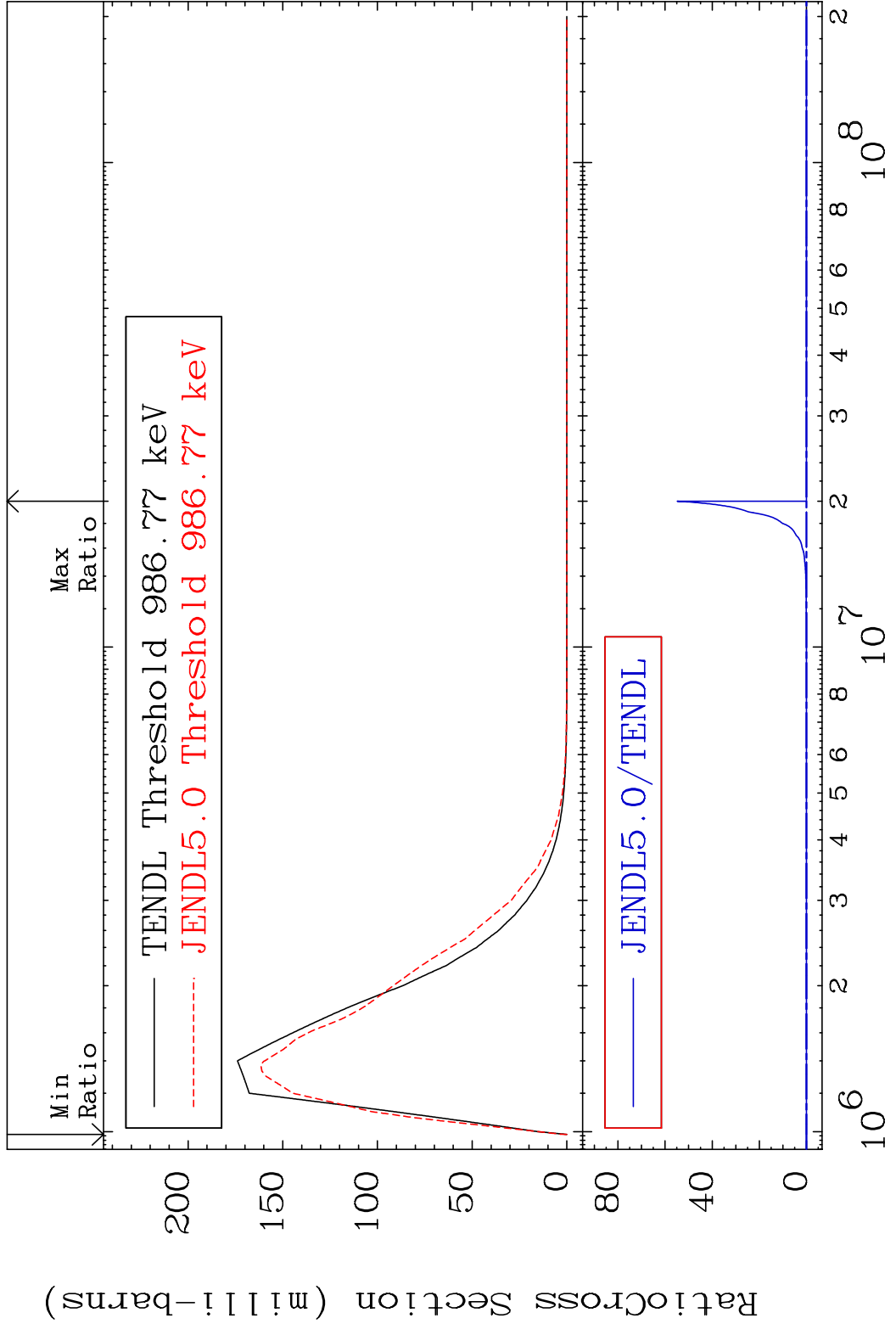
MAT 4519 MT= 60 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



MAT 4519 MT= 61 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 60.40 %

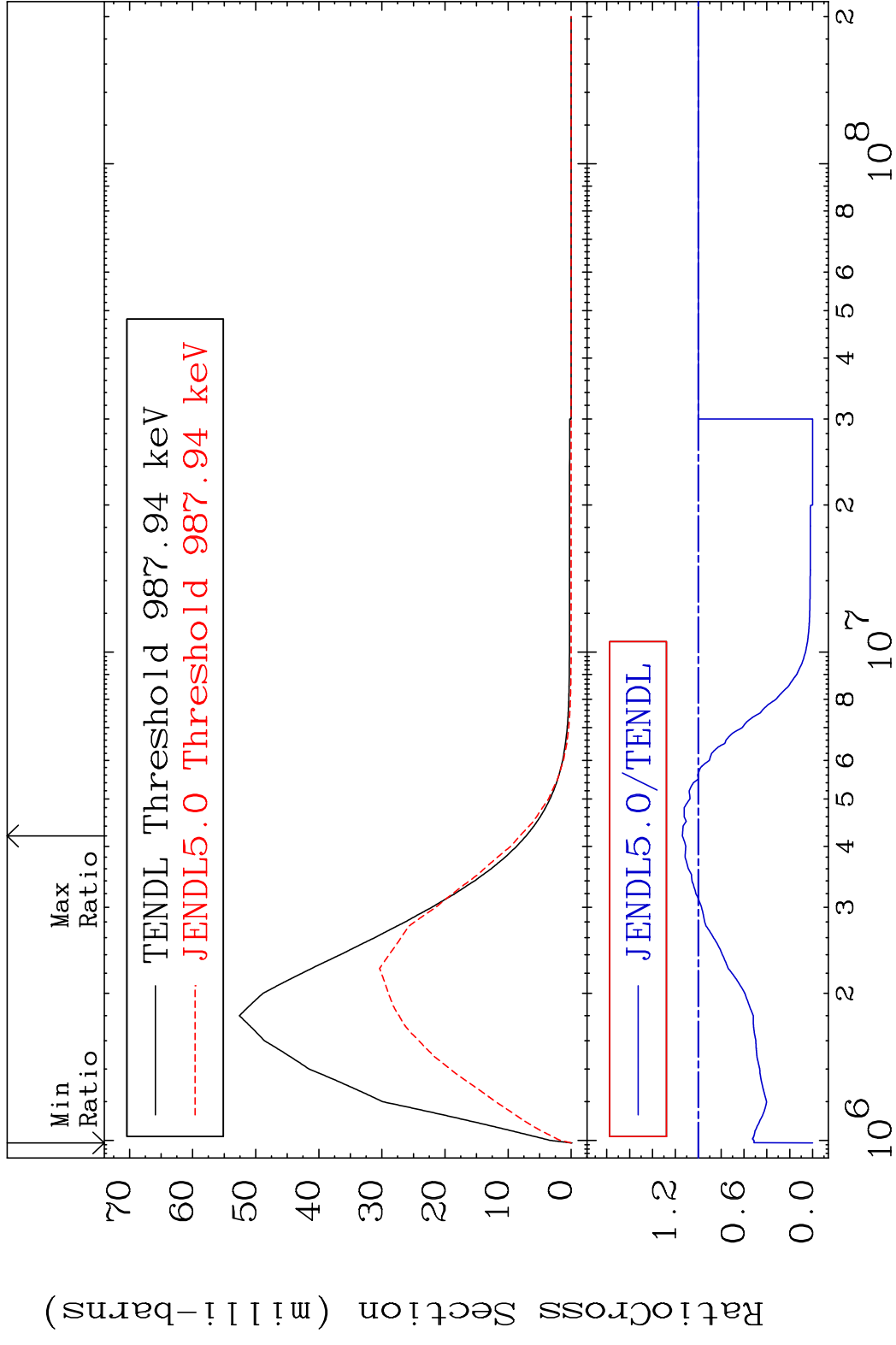


MAT 4519 MT= 62 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



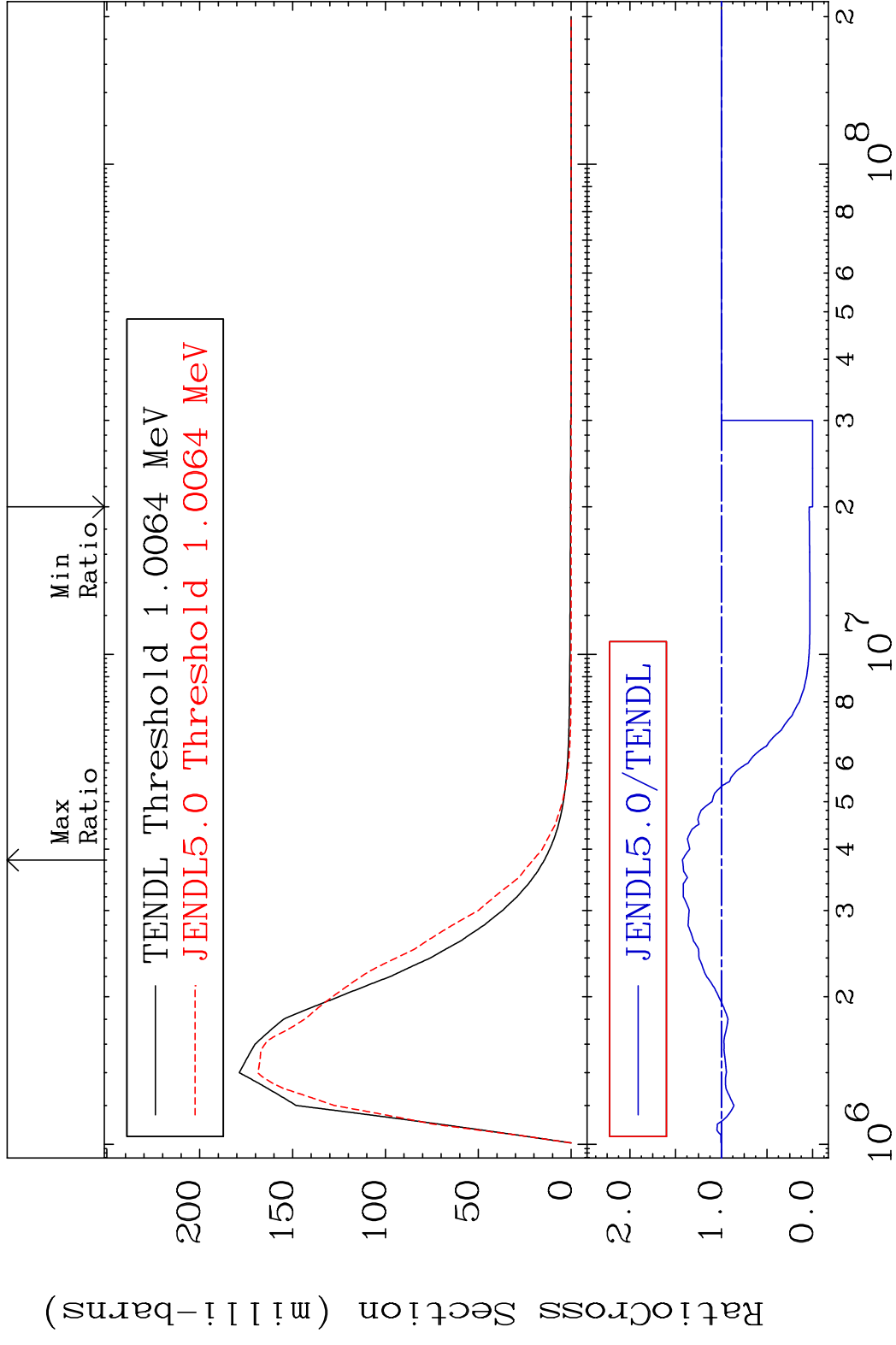
24 45-Rh-101

MAT 4519 MT= 63 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 13.90 %



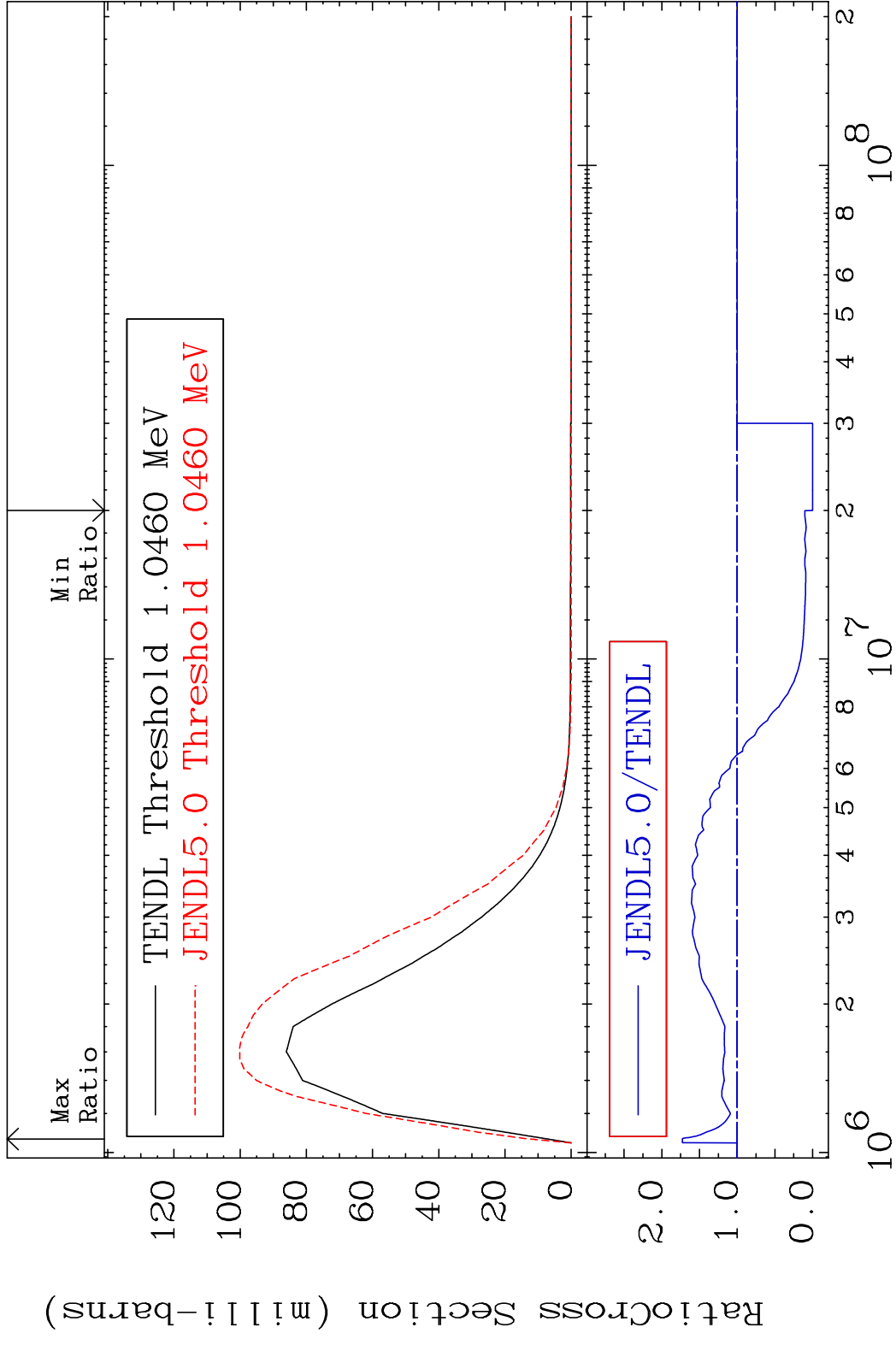
25 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 64 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 42.66 %



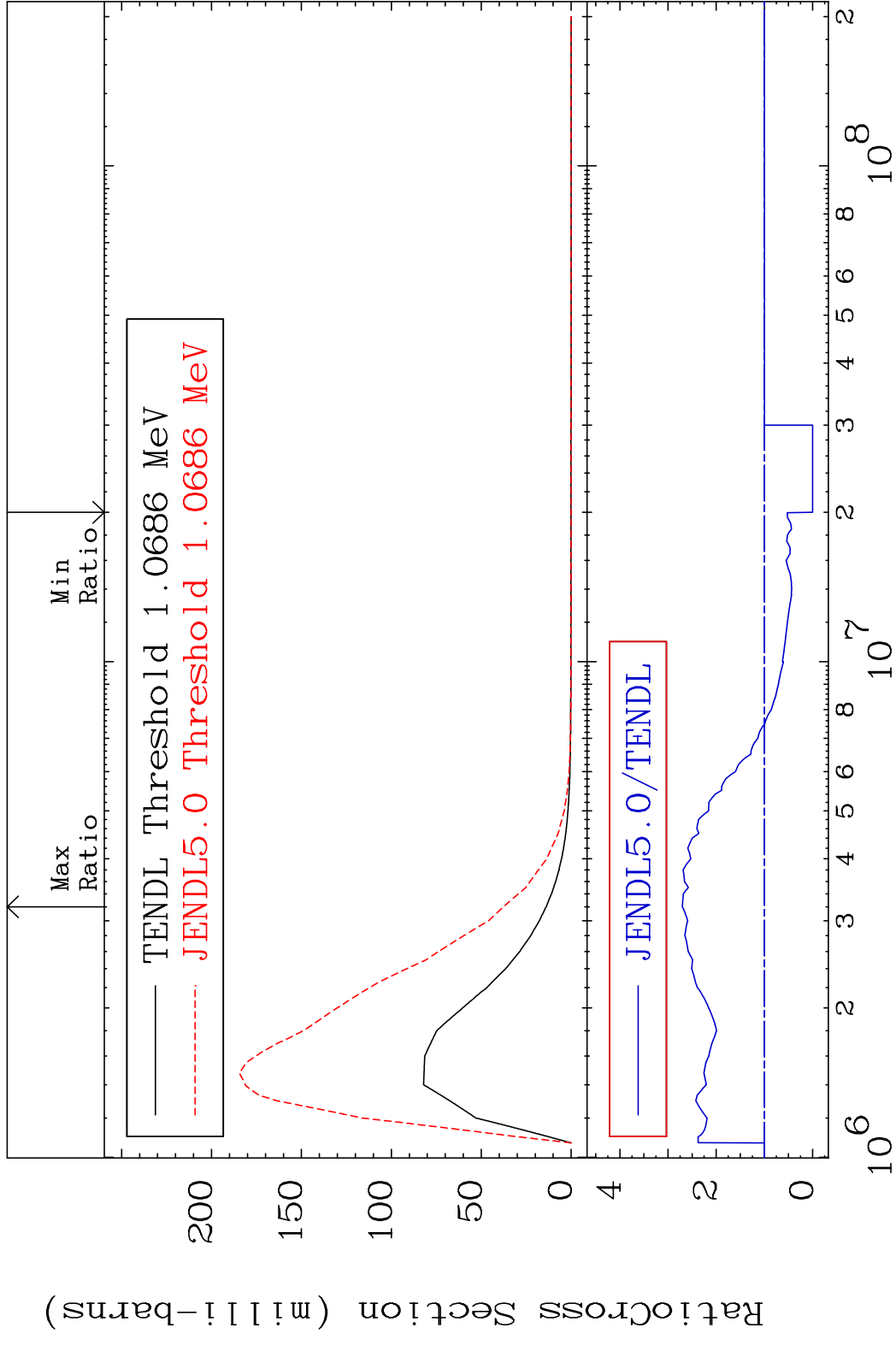
26 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 65 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 72.73 %

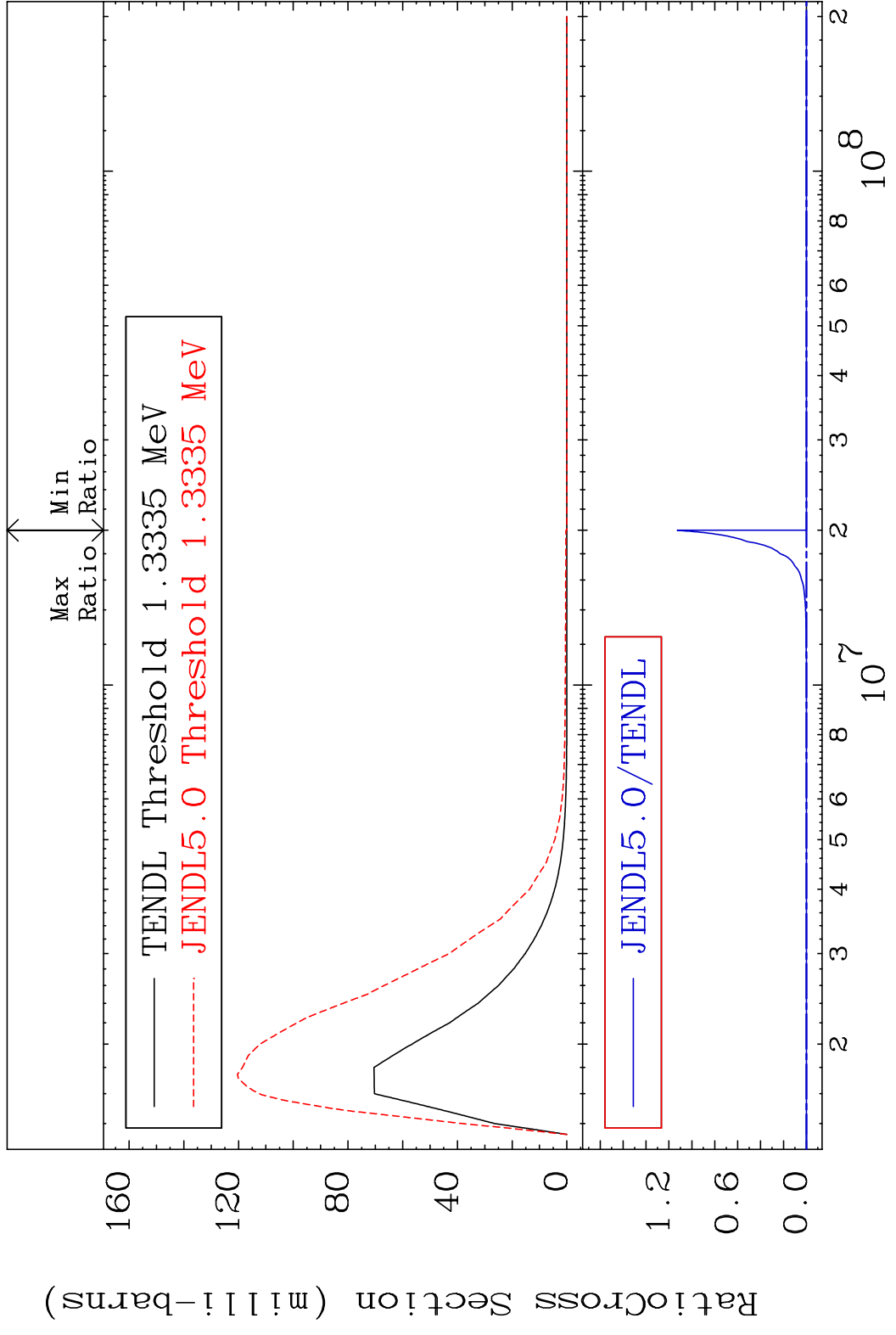


27 45-Rh-101

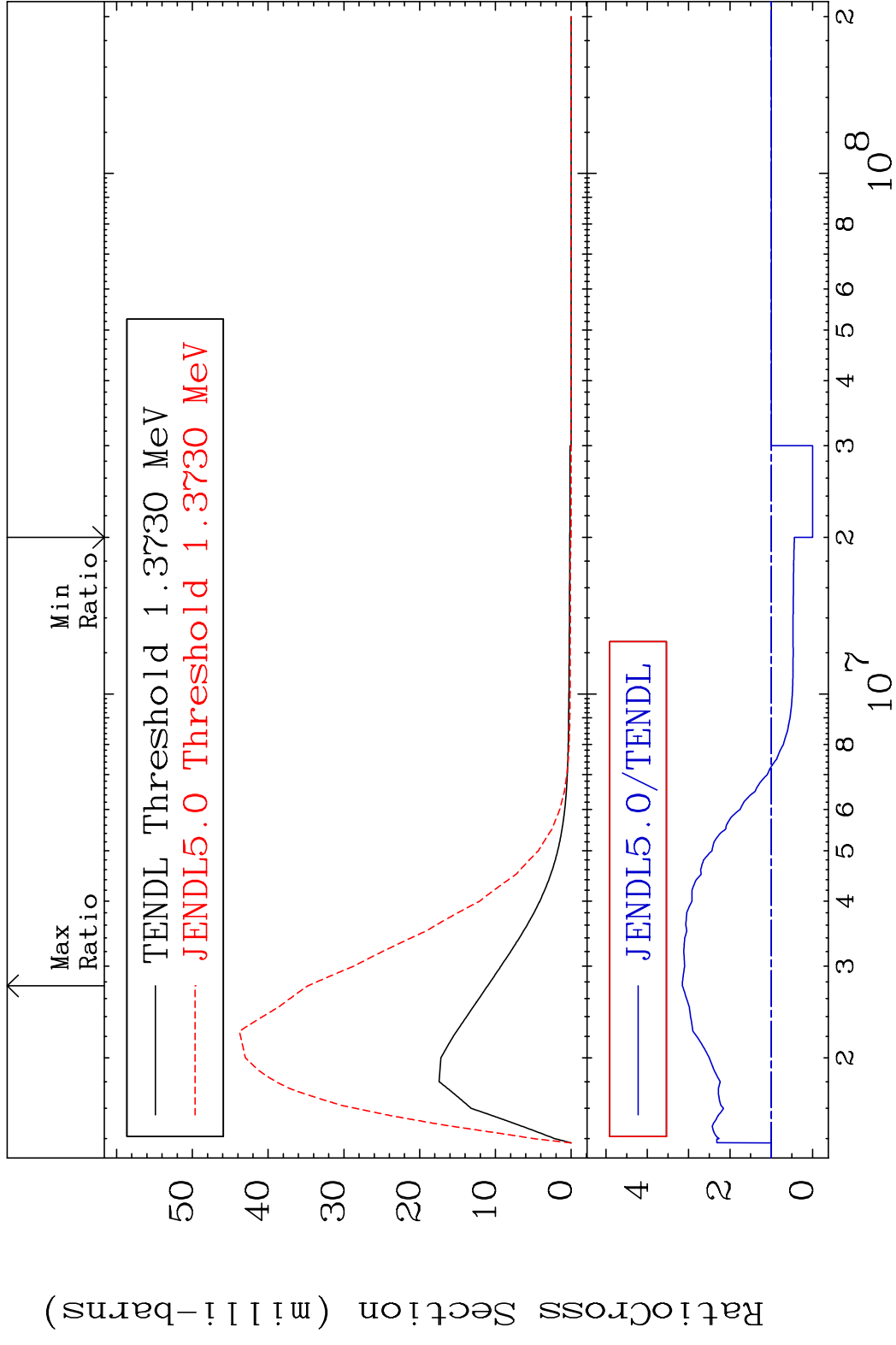
MAT 4519 MT= 66 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 170.3 %



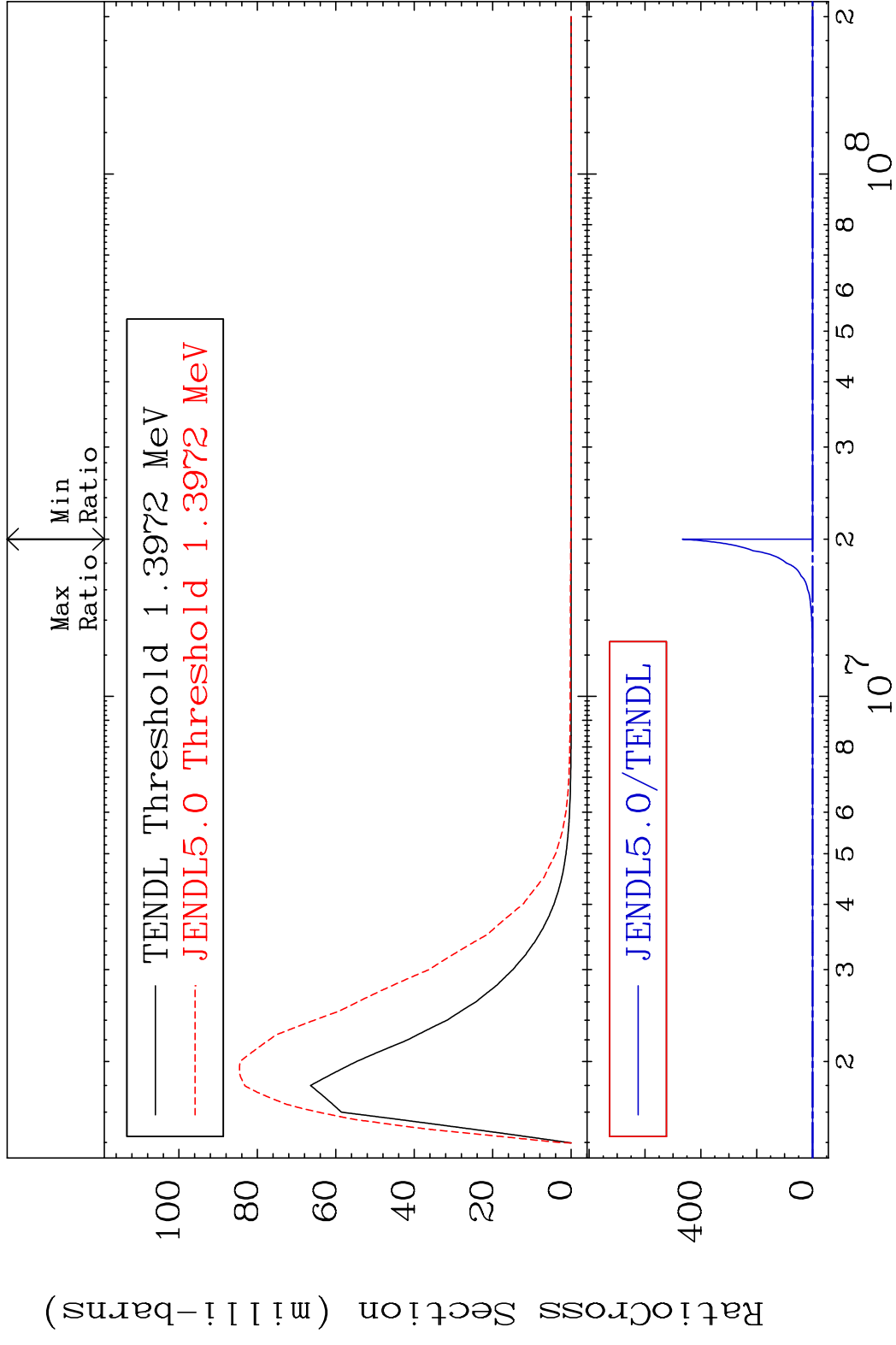
MAT 4519 MT= 67 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



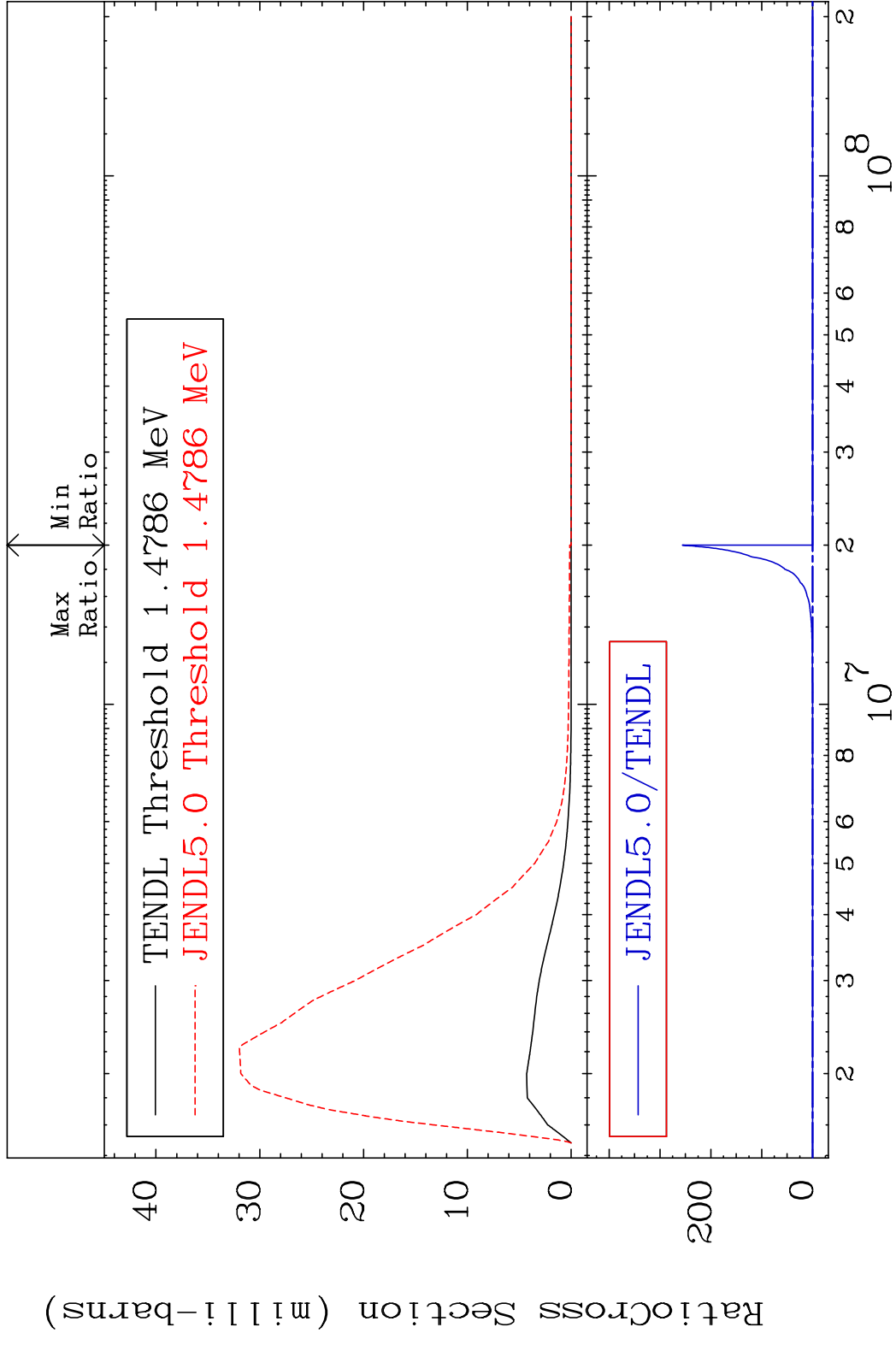
MAT 4519 MT= 68 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 215.2 %



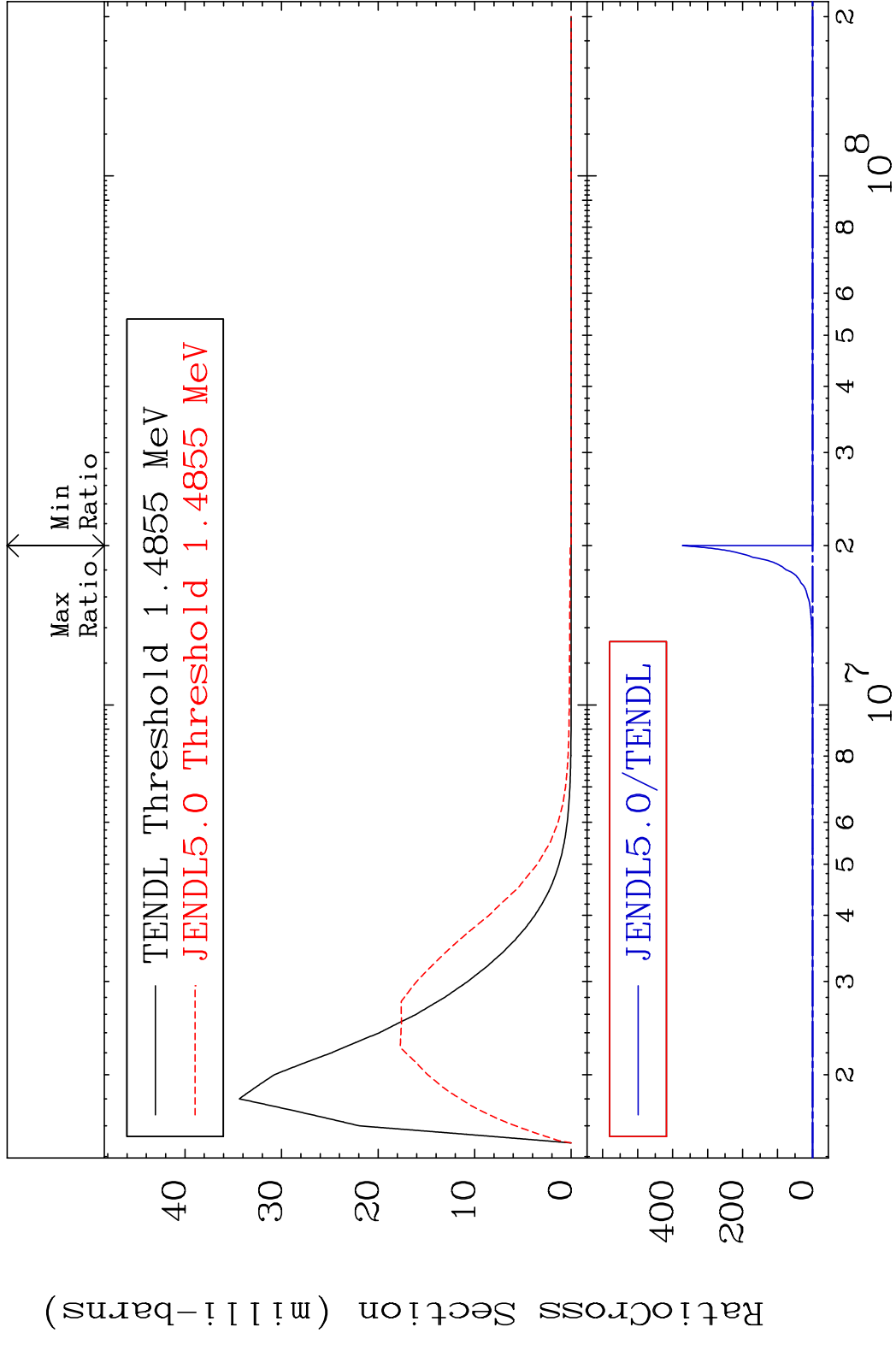
MAT 4519 MT= 69 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



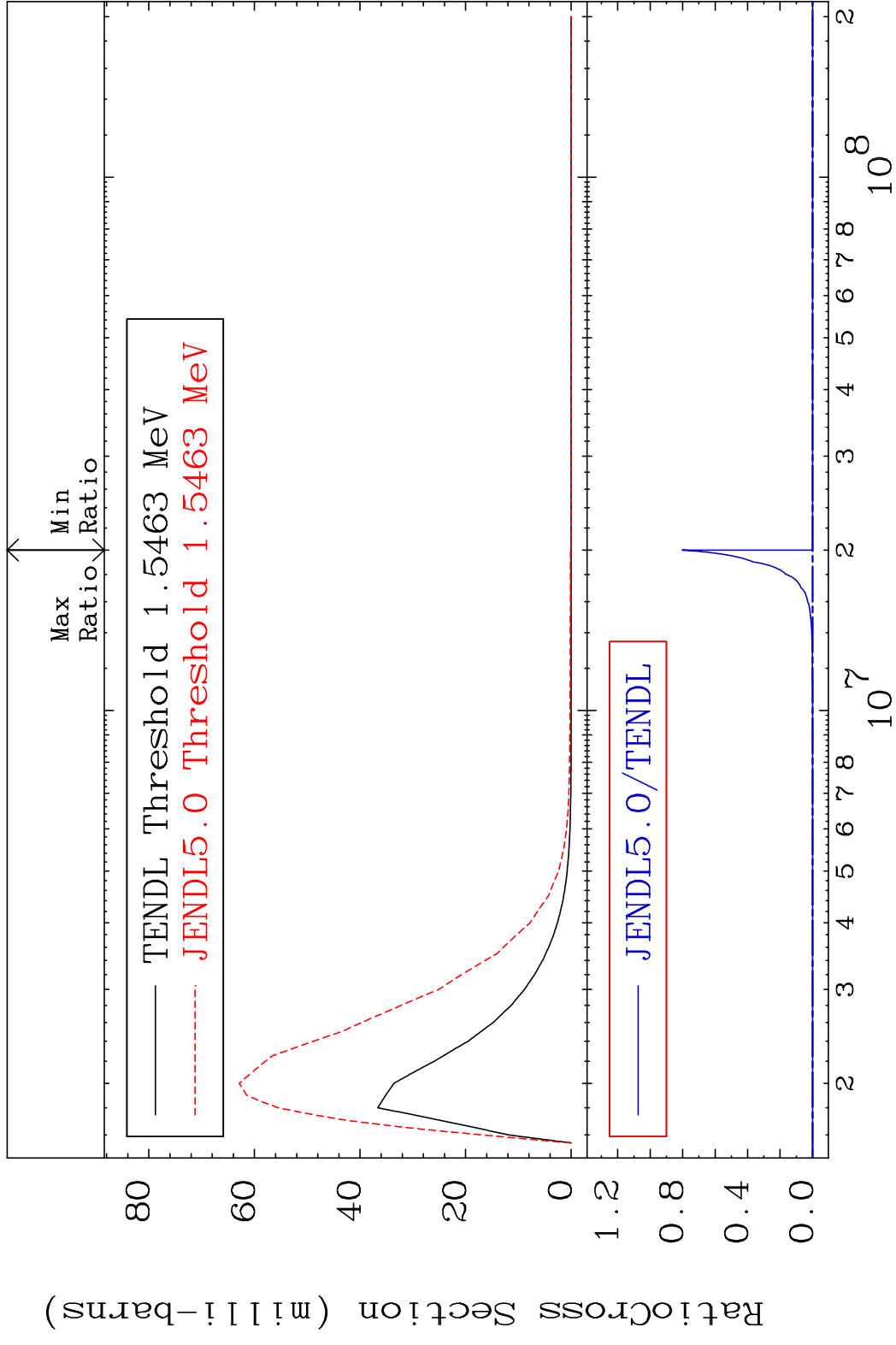
MAT 4519 MT= 70 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



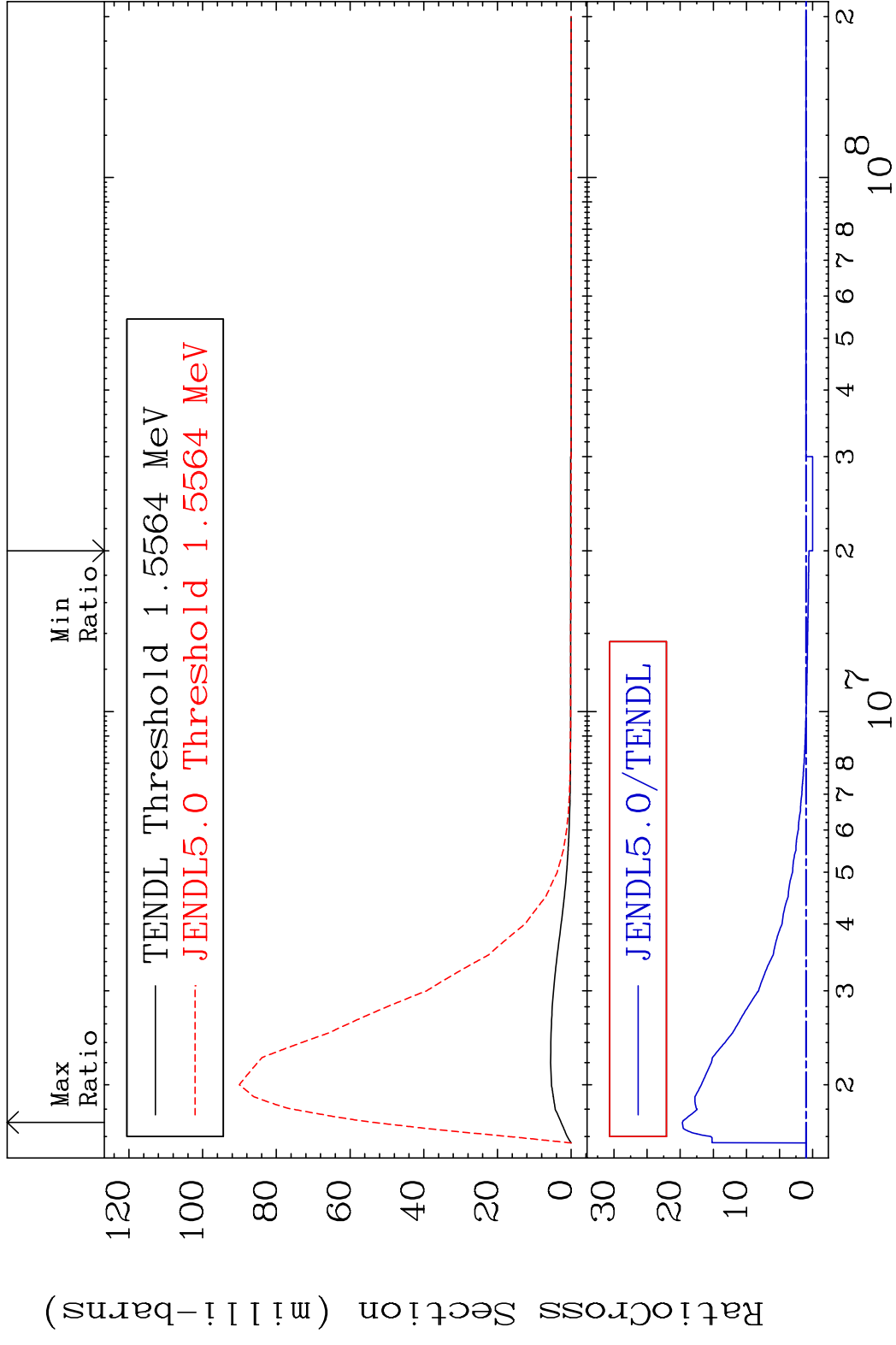
MAT 4519 MT= 71 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



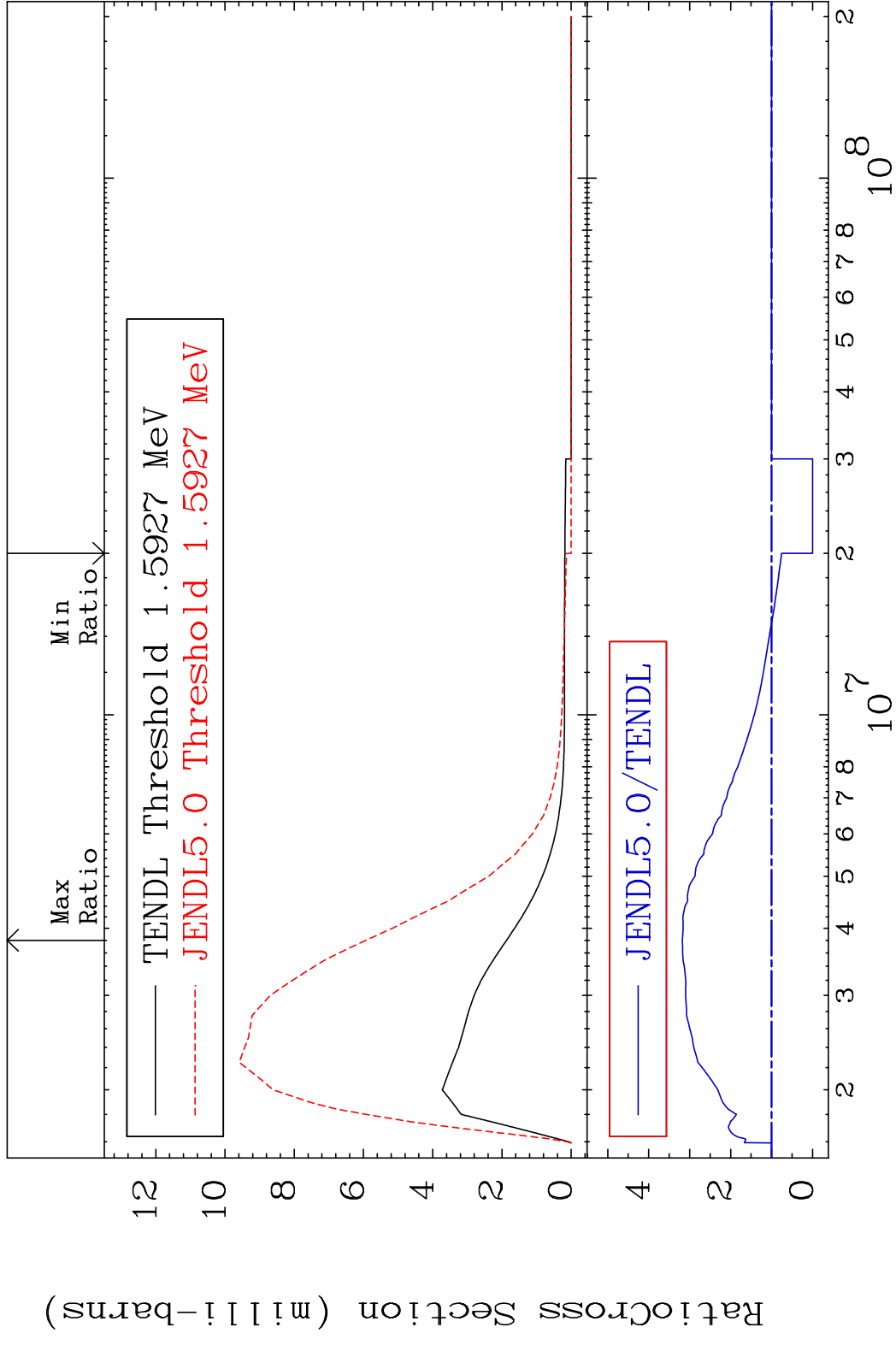
MAT 4519 MT= 72 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



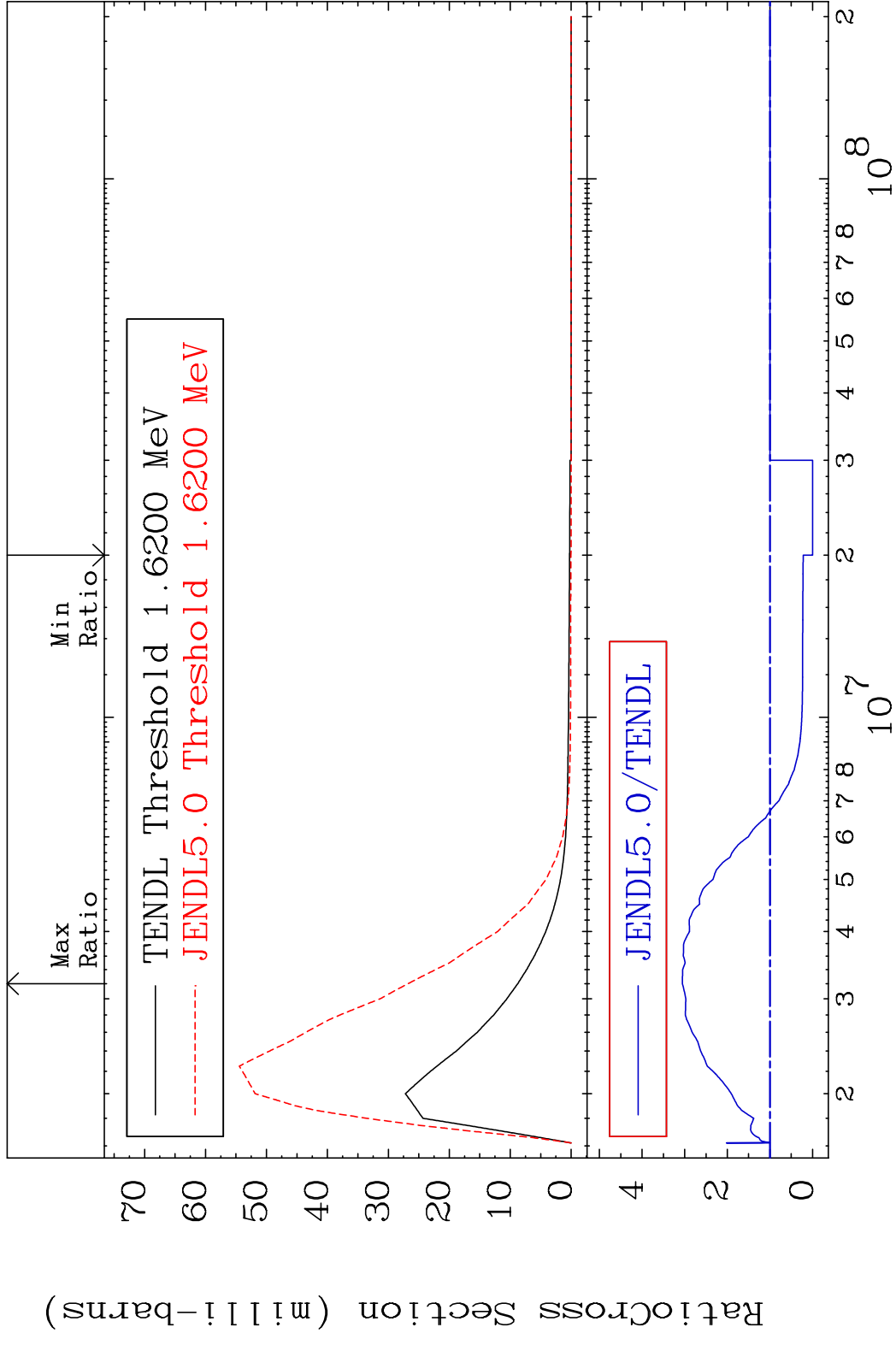
MAT 4519 MT= 73 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 1868. %



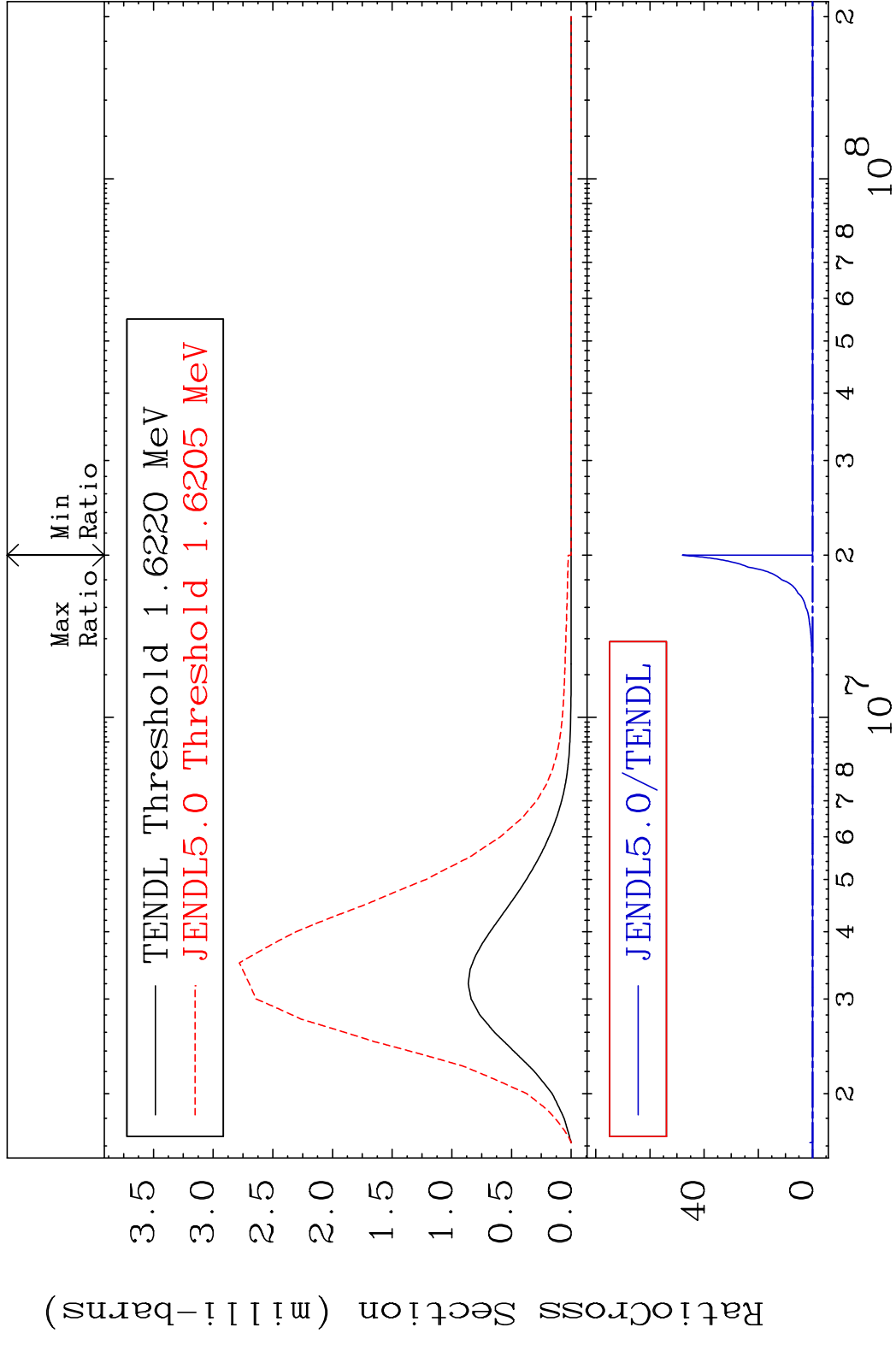
MAT 4519 MT= 74 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 217.8 %



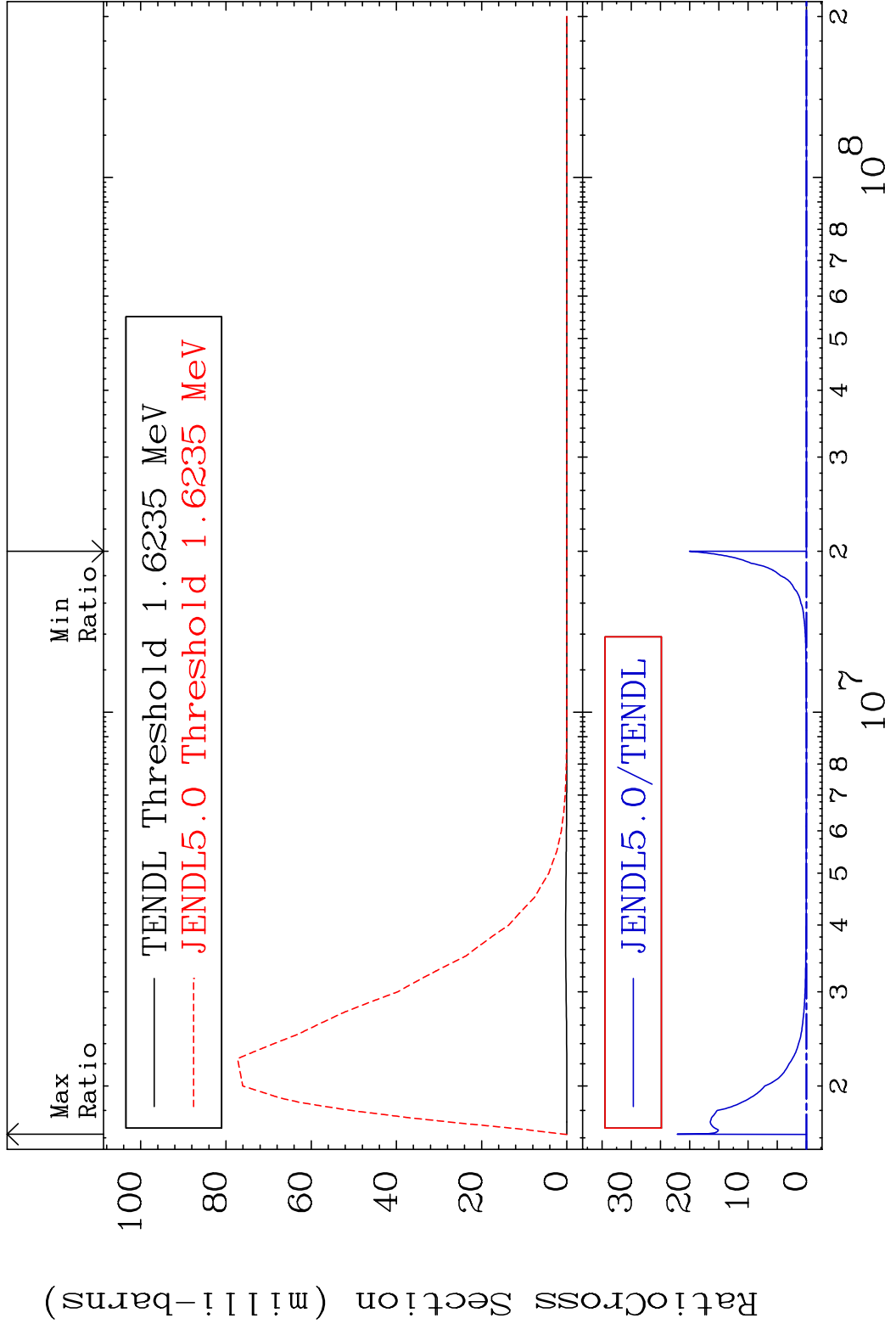
MAT 4519 MT= 75 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 205.5 %



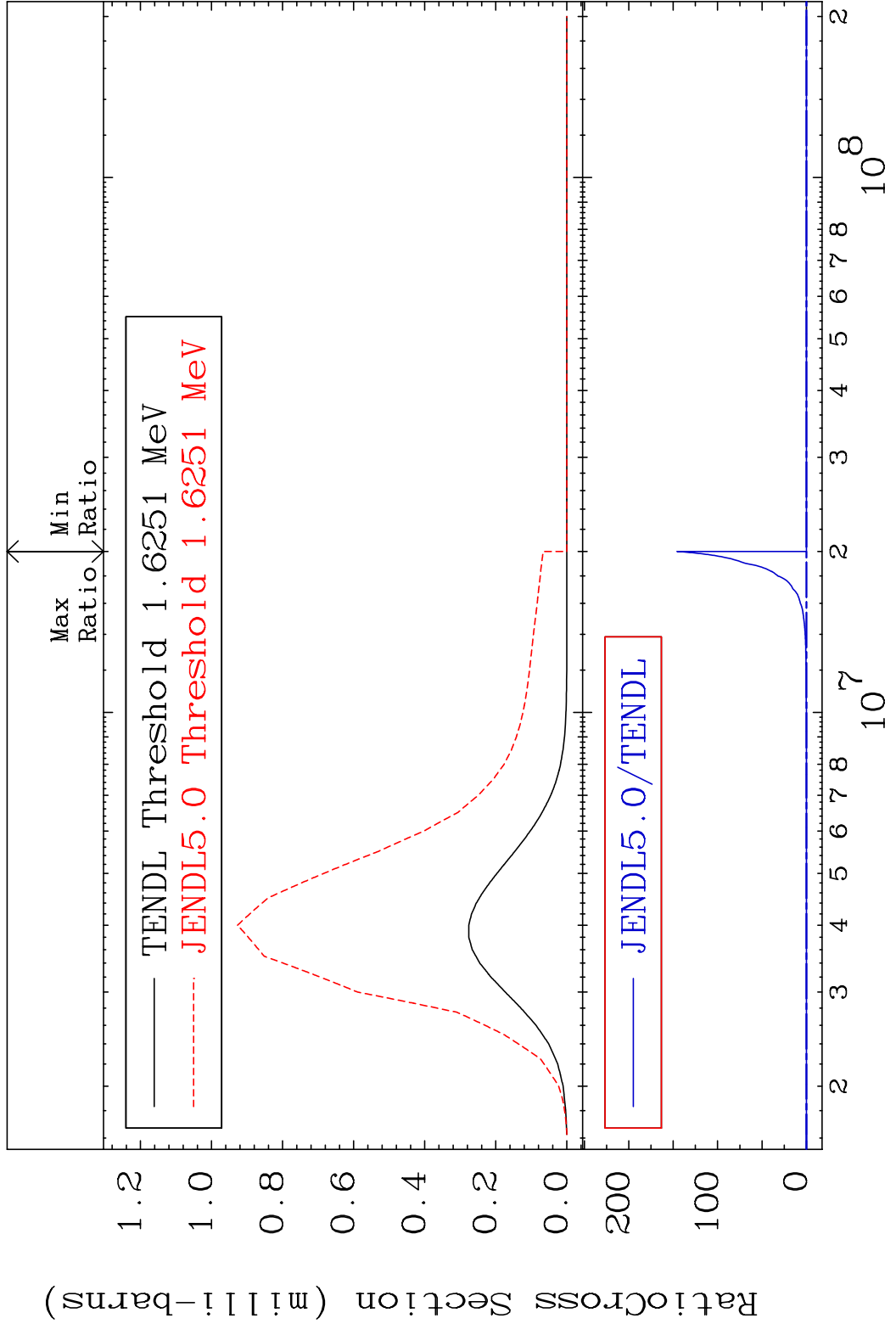
MAT 4519 MT= 76 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



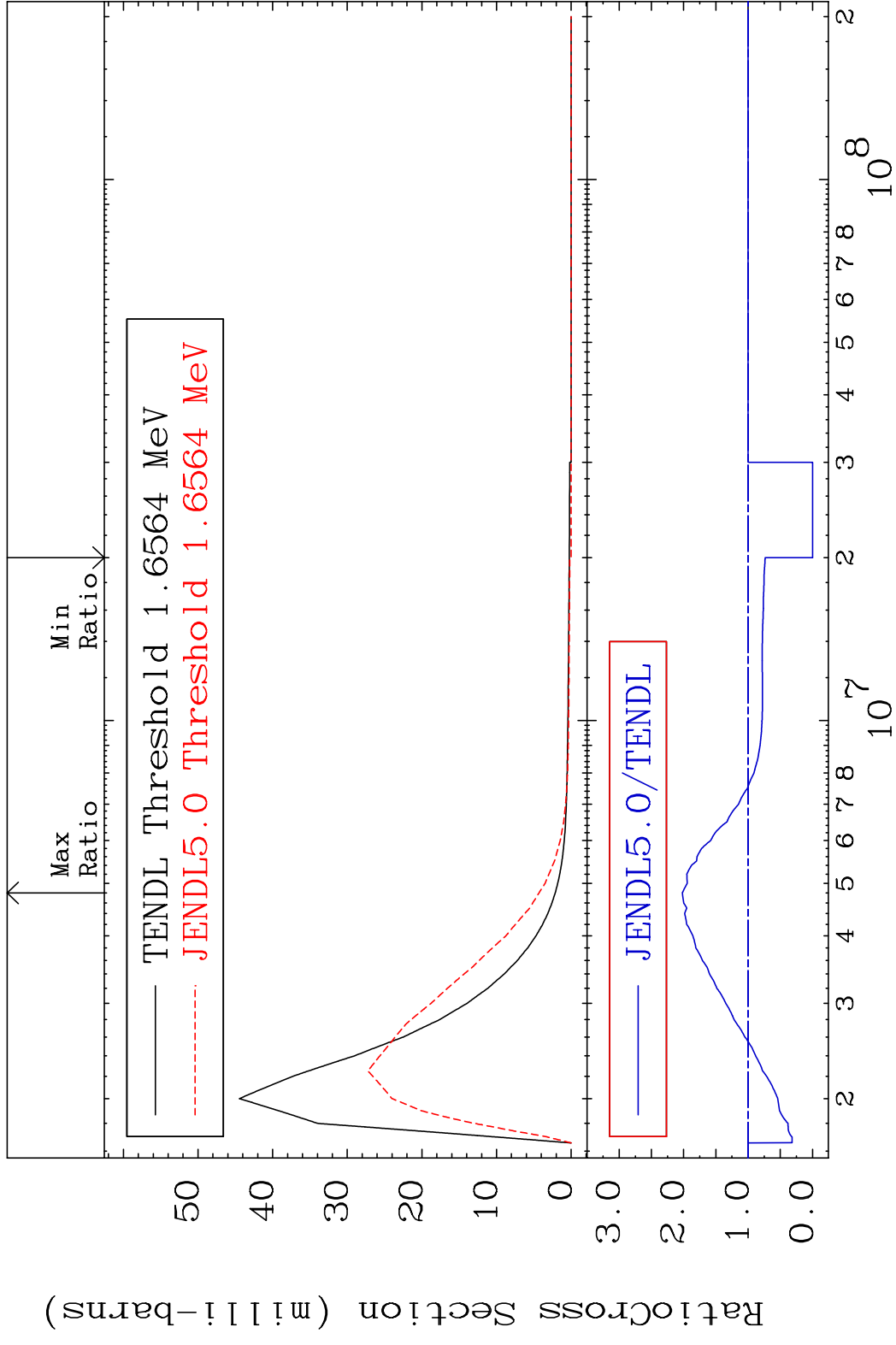
MAT 4519 MT= 77 (n,n') Level 45-Rh-101  
 Cross Section -100.0 To 9999. %



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



MAT 4519 MT= 79 (n, n') Level 45-Rh-101  
 Cross Section -100.0 To 102.0 %

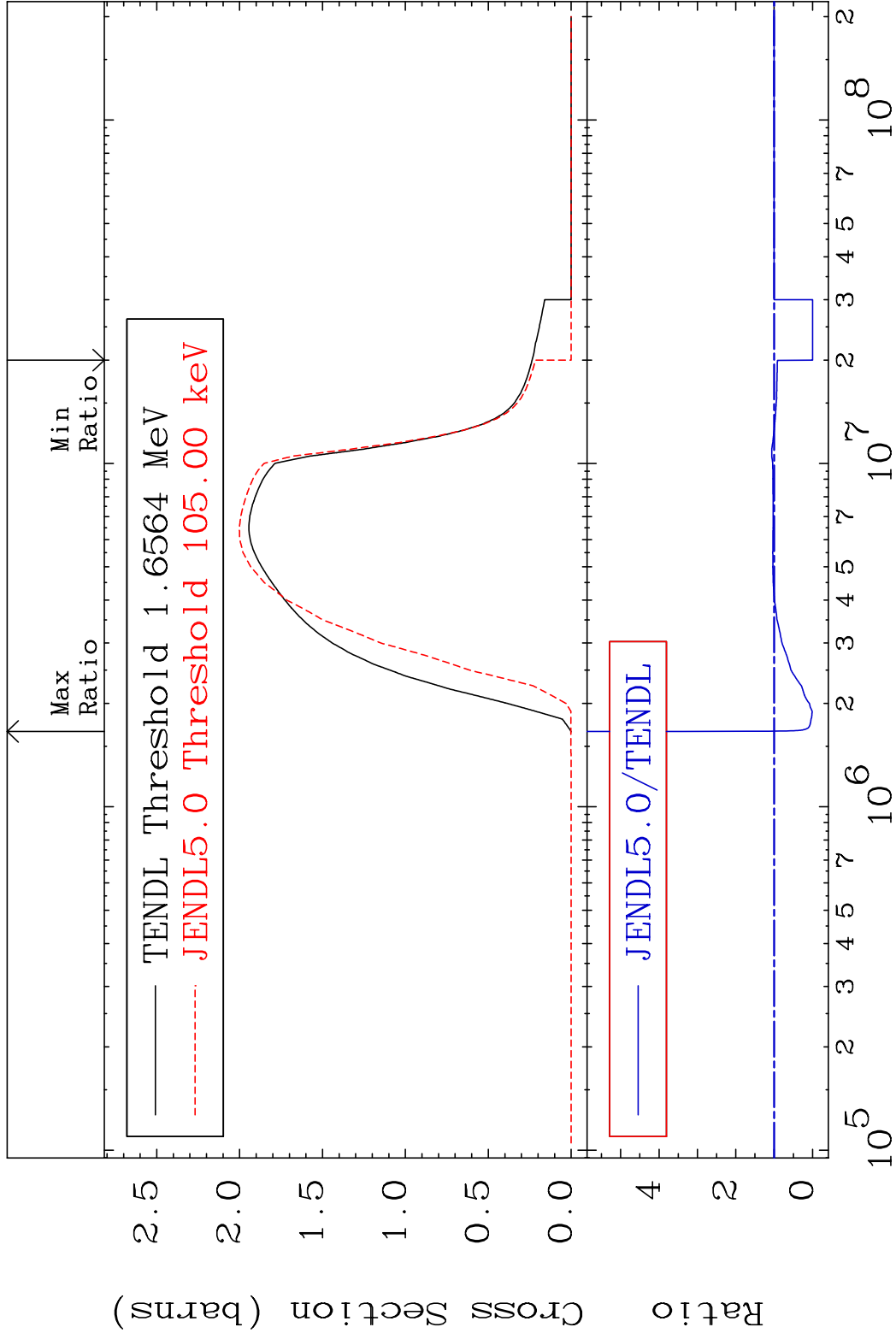


MAT 4519

(n,n') Continuum

45-Rh-101

Cross Section -100.0 To 239.3 %



42

Incident Energy (eV)

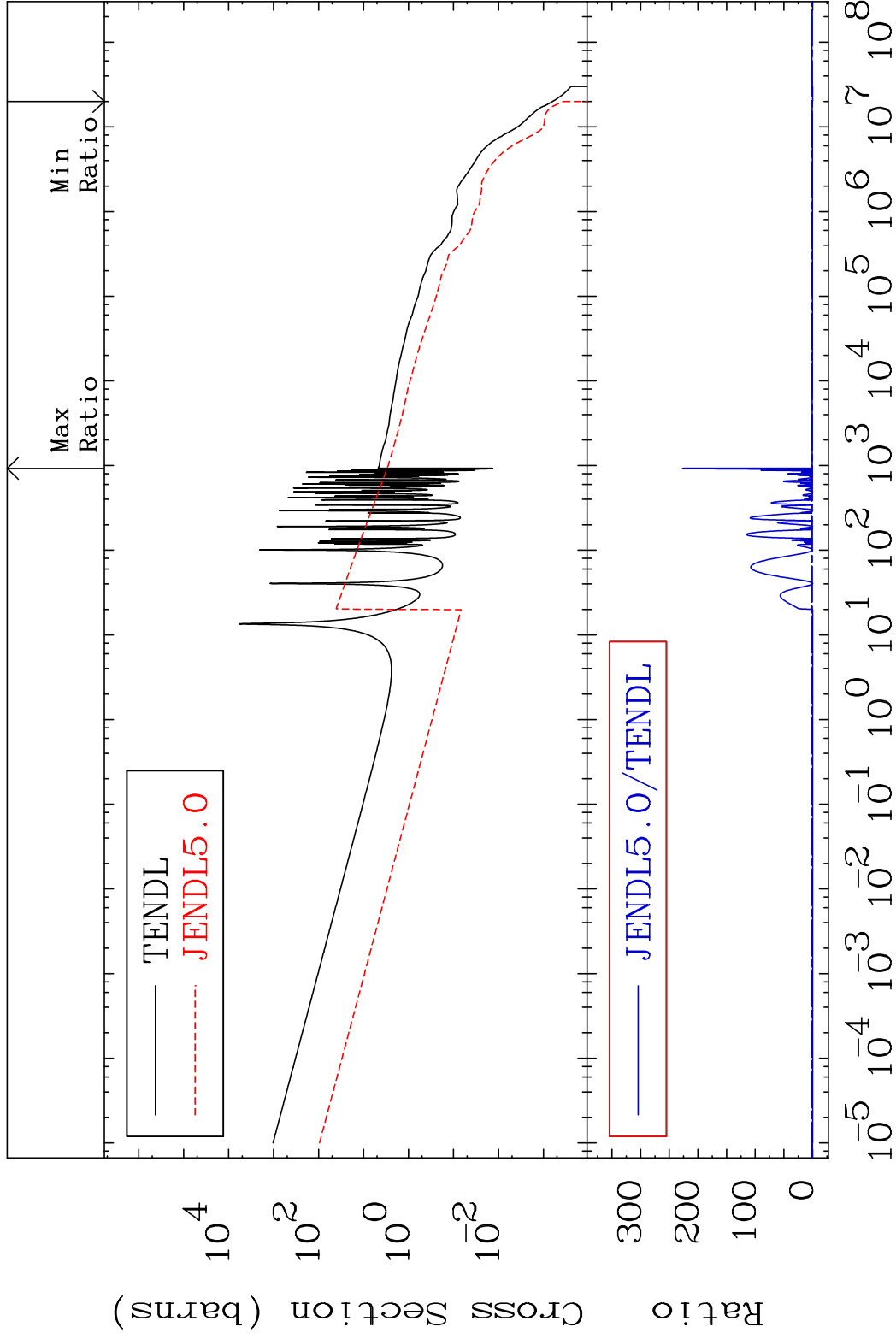
45-Rh-101

MAT 4519

(n,  $\gamma$ )

45-Rh-101

Cross Section -100.0 To 9999. %

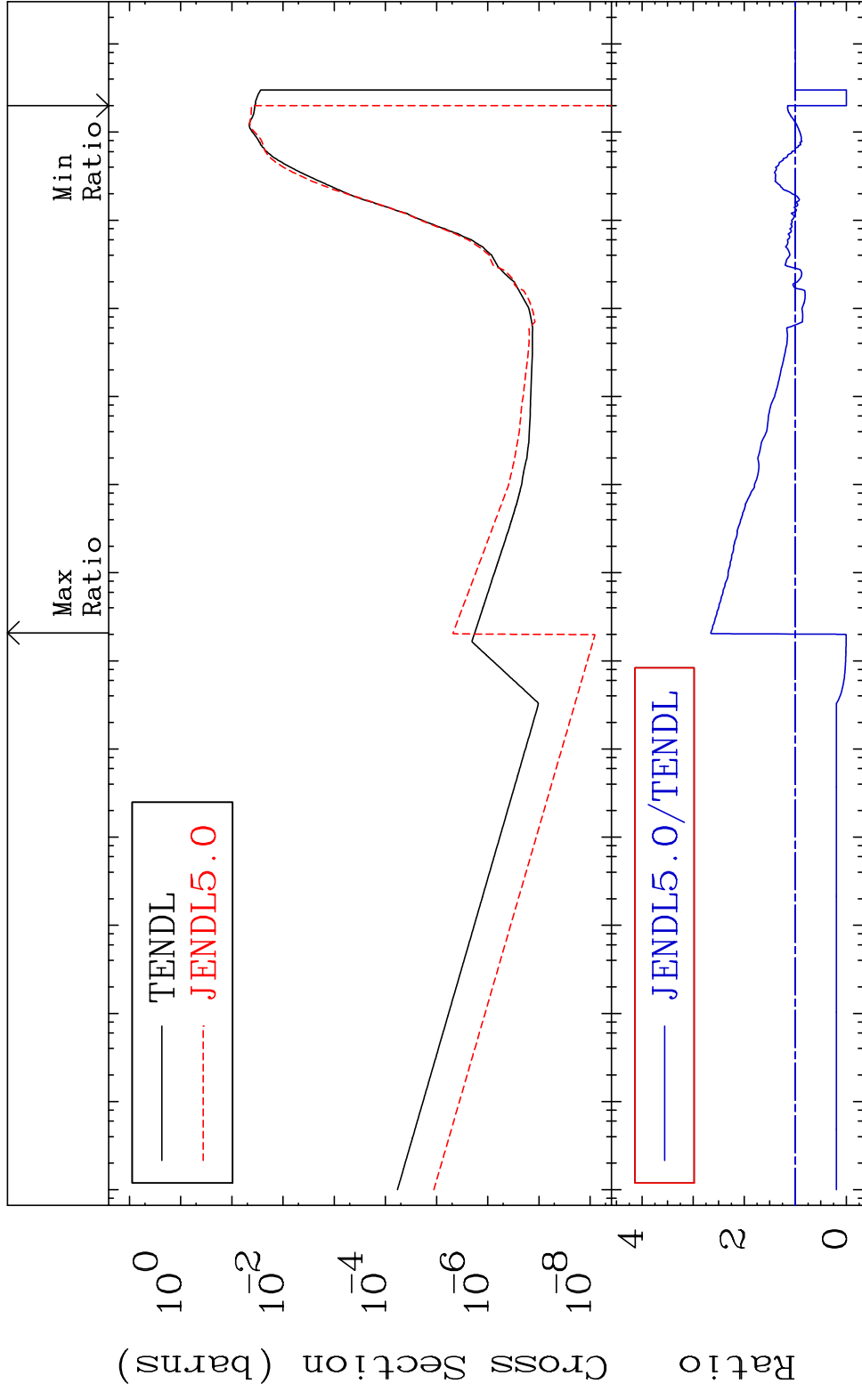


43

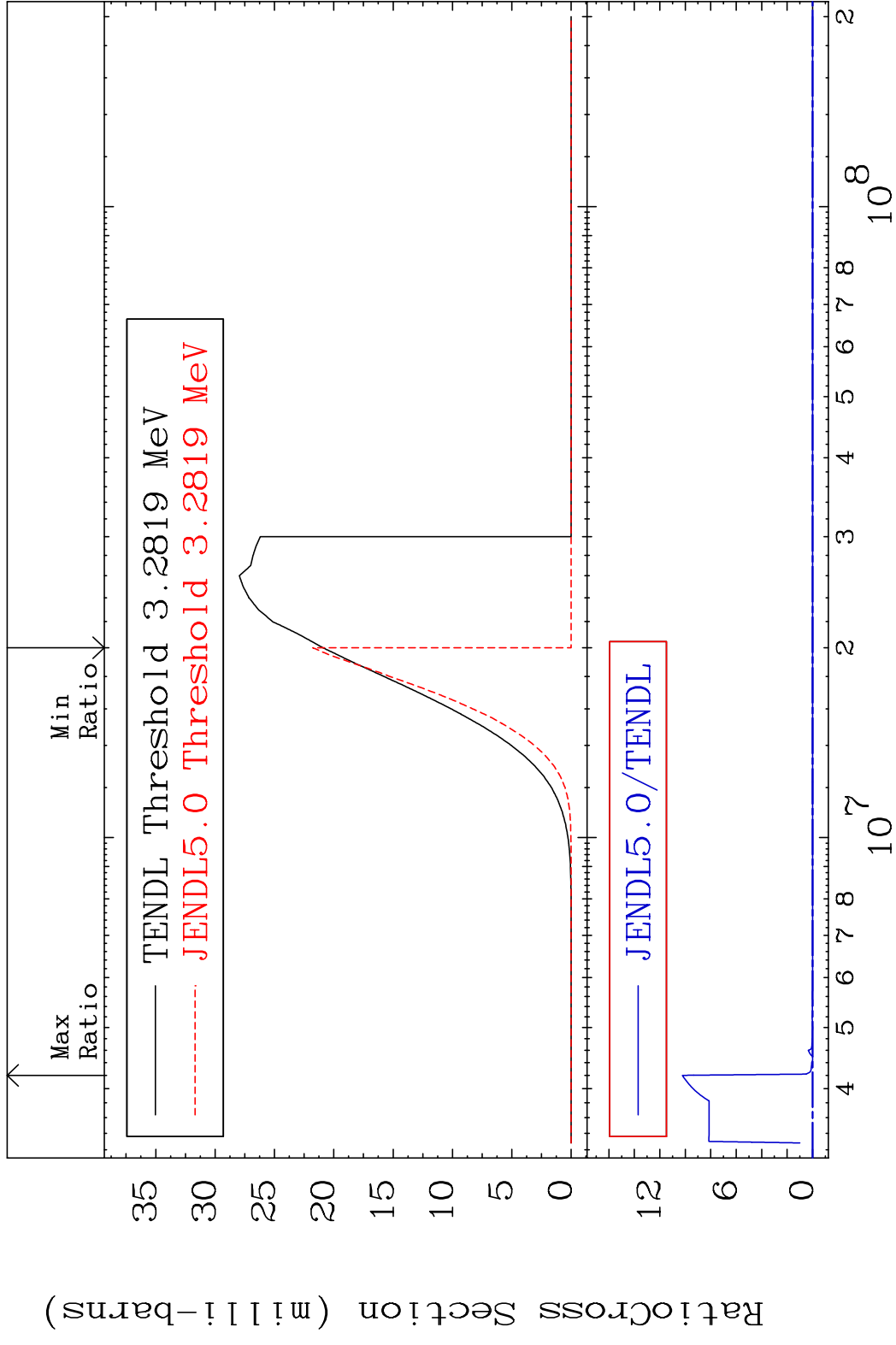
Incident Energy (eV)

45-Rh-101

MAT 4519 (n,p) Cross Section 45-Rh-101  
 -100.0 To 165.5 %

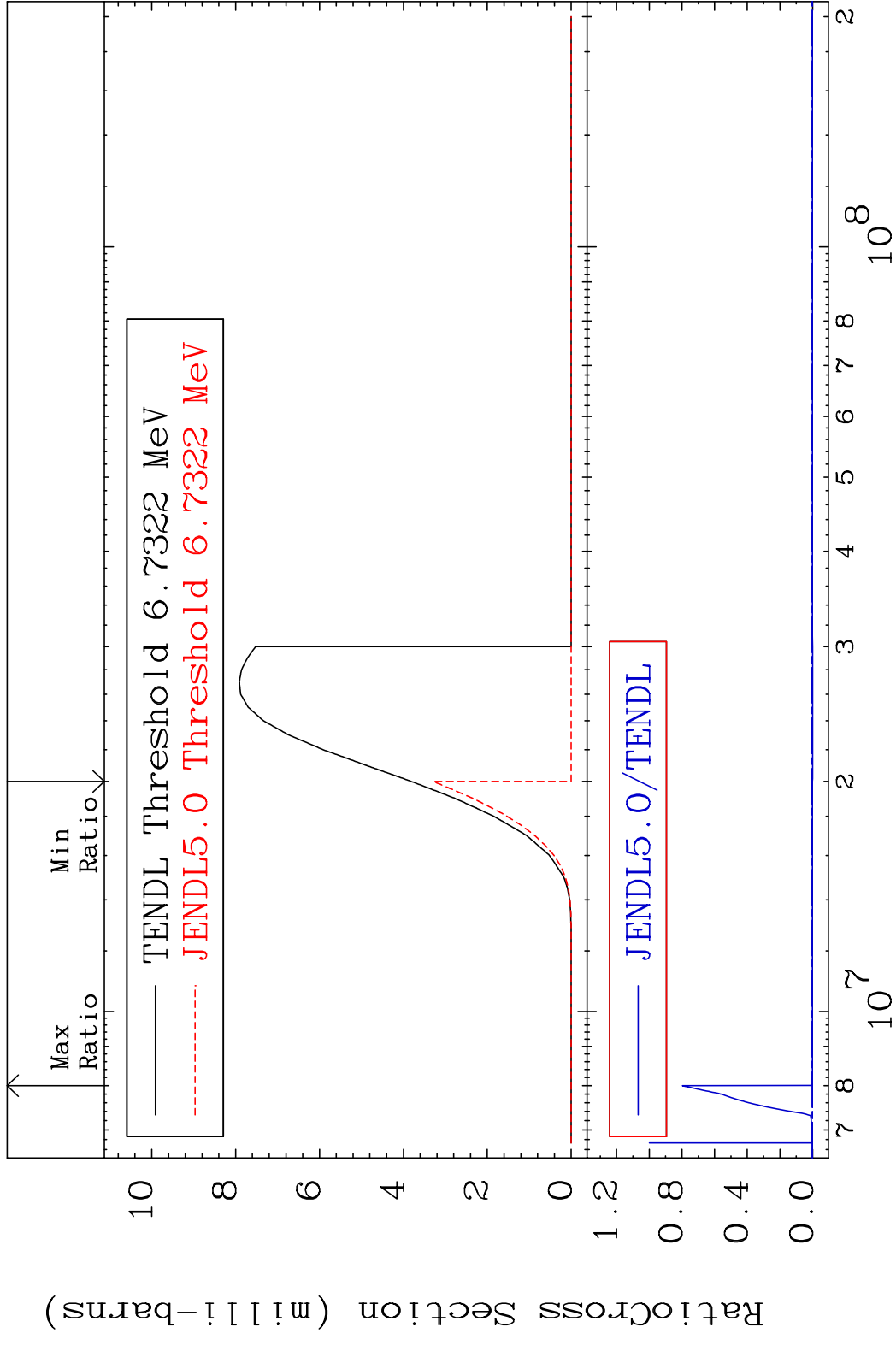


MAT 4519 (n,d) 45-Rh-101  
 Cross Section -100.0 To 9999. %



45 45-Rh-101

Cross Section -100.0 To 9999. %

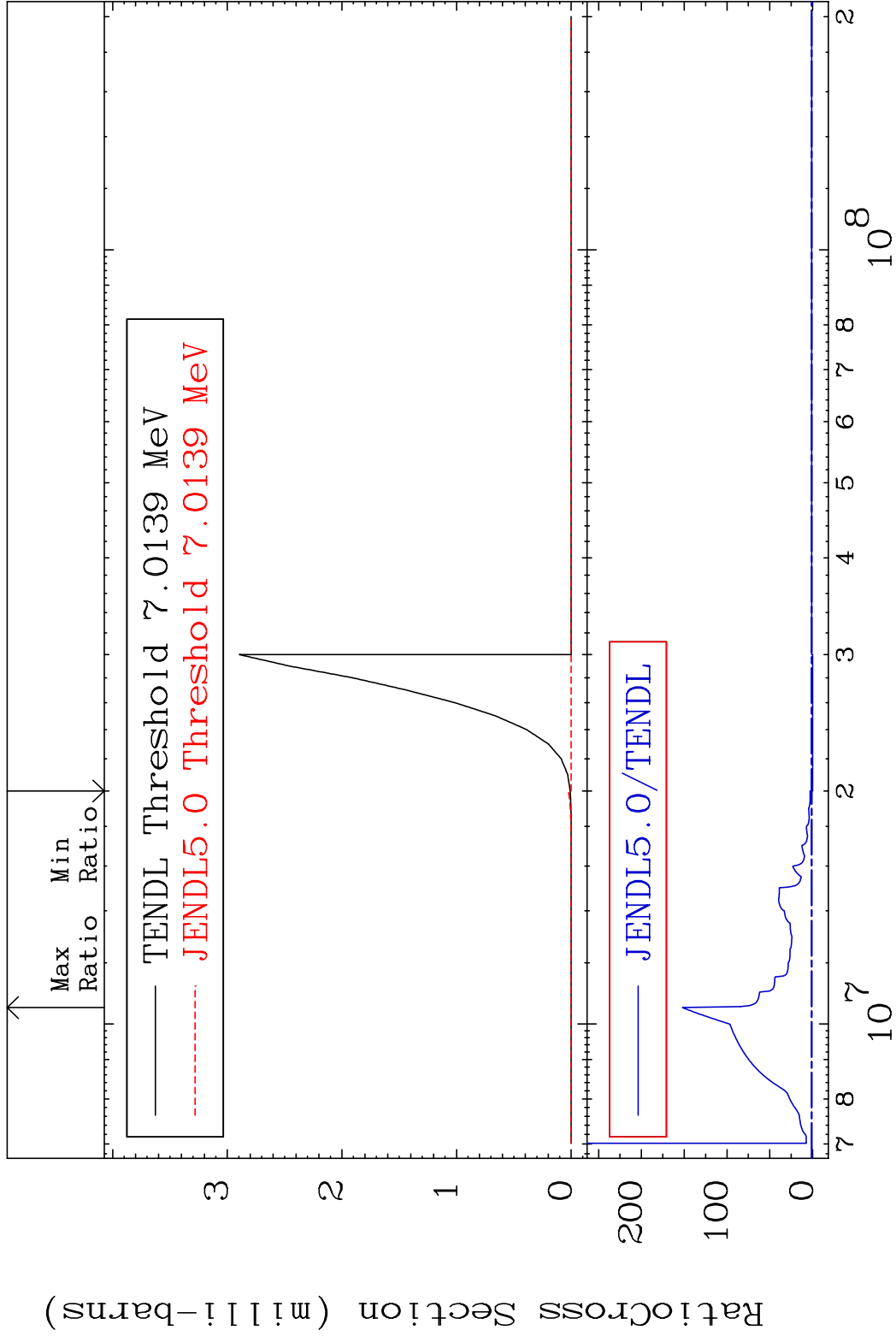


MAT 4519

(n, He-3)

45-Rh-101

Cross Section -100.0 To 9999. %



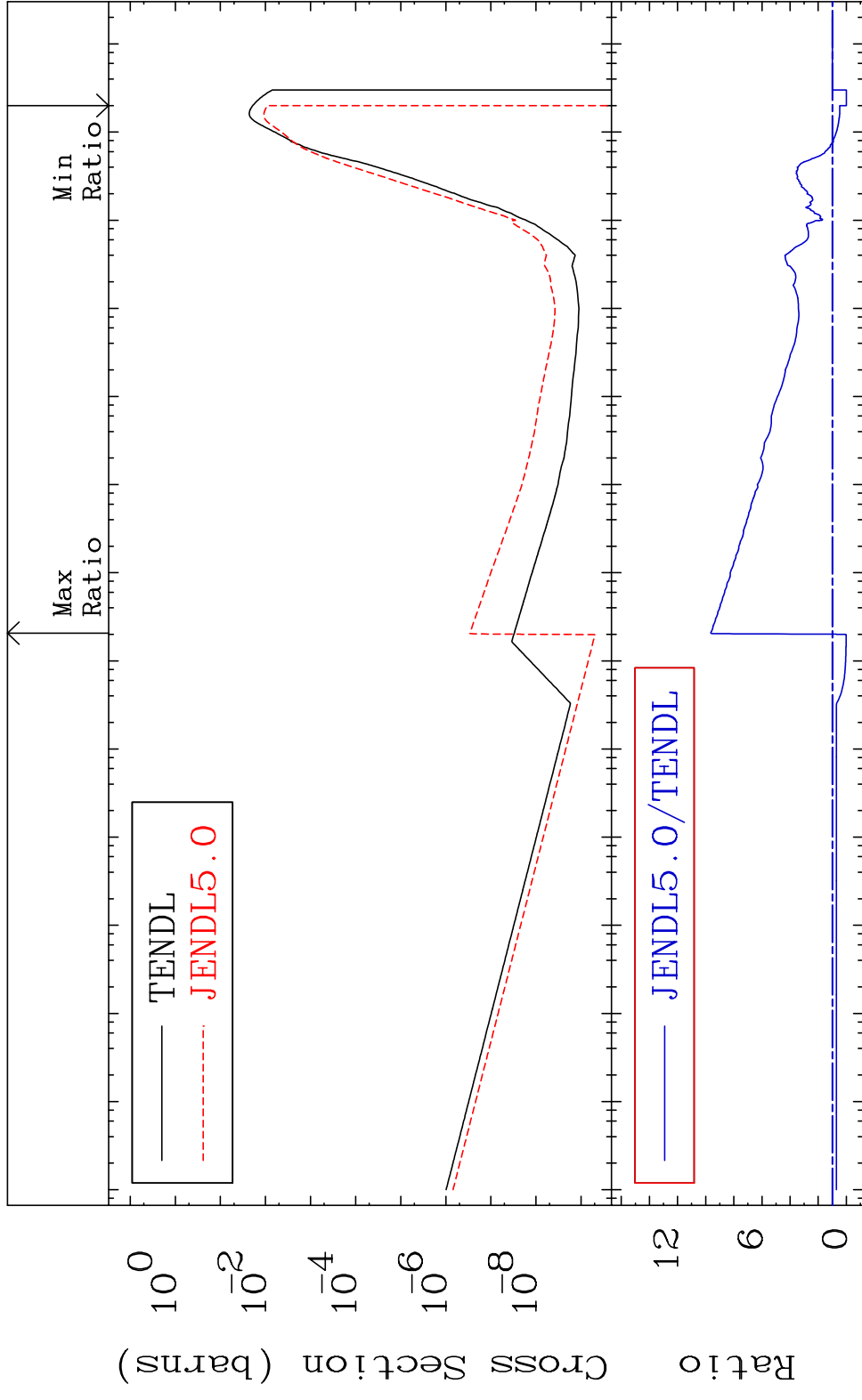
47

Incident Energy (eV)

45-Rh-101

MAT 4519

(n,  $\alpha$ )  
Cross Section -100.0 To 864.2 %  
45-Rh-101



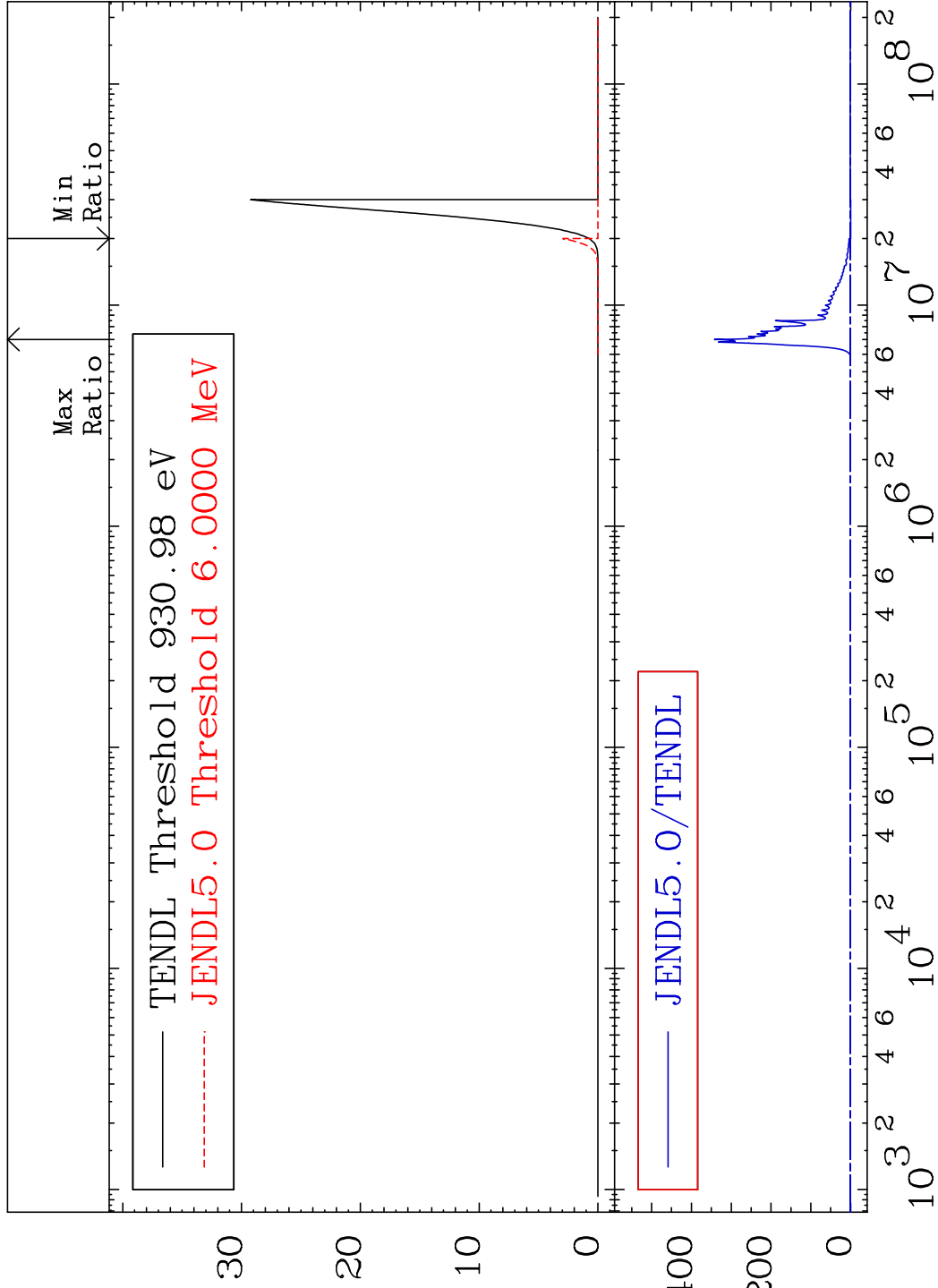
MAT 4519

(n,2α)

45-Rh-101

Cross Section -100.0 To 9999. %

RatioCross Section (micro-barns)

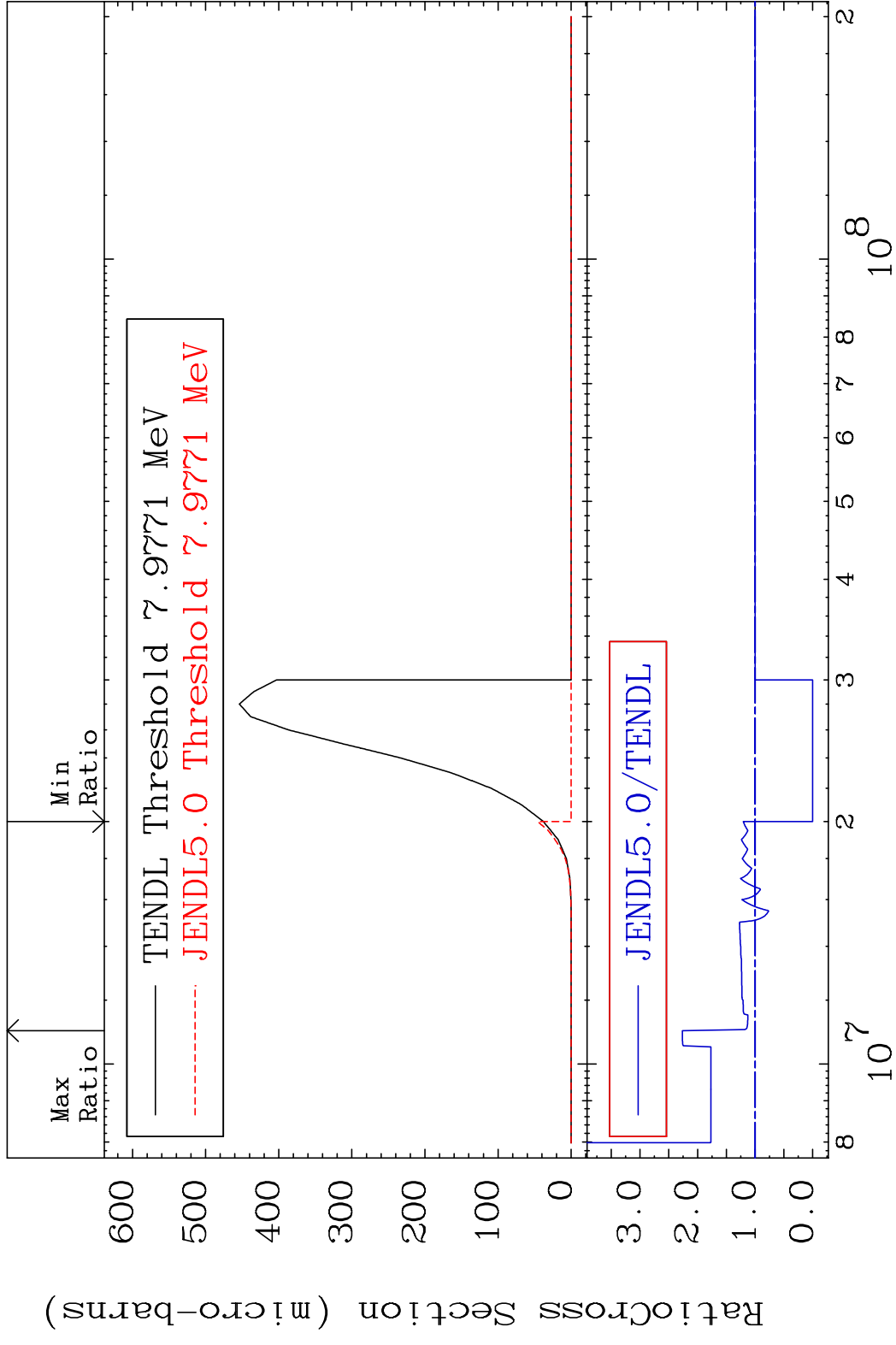


49

Incident Energy (eV)

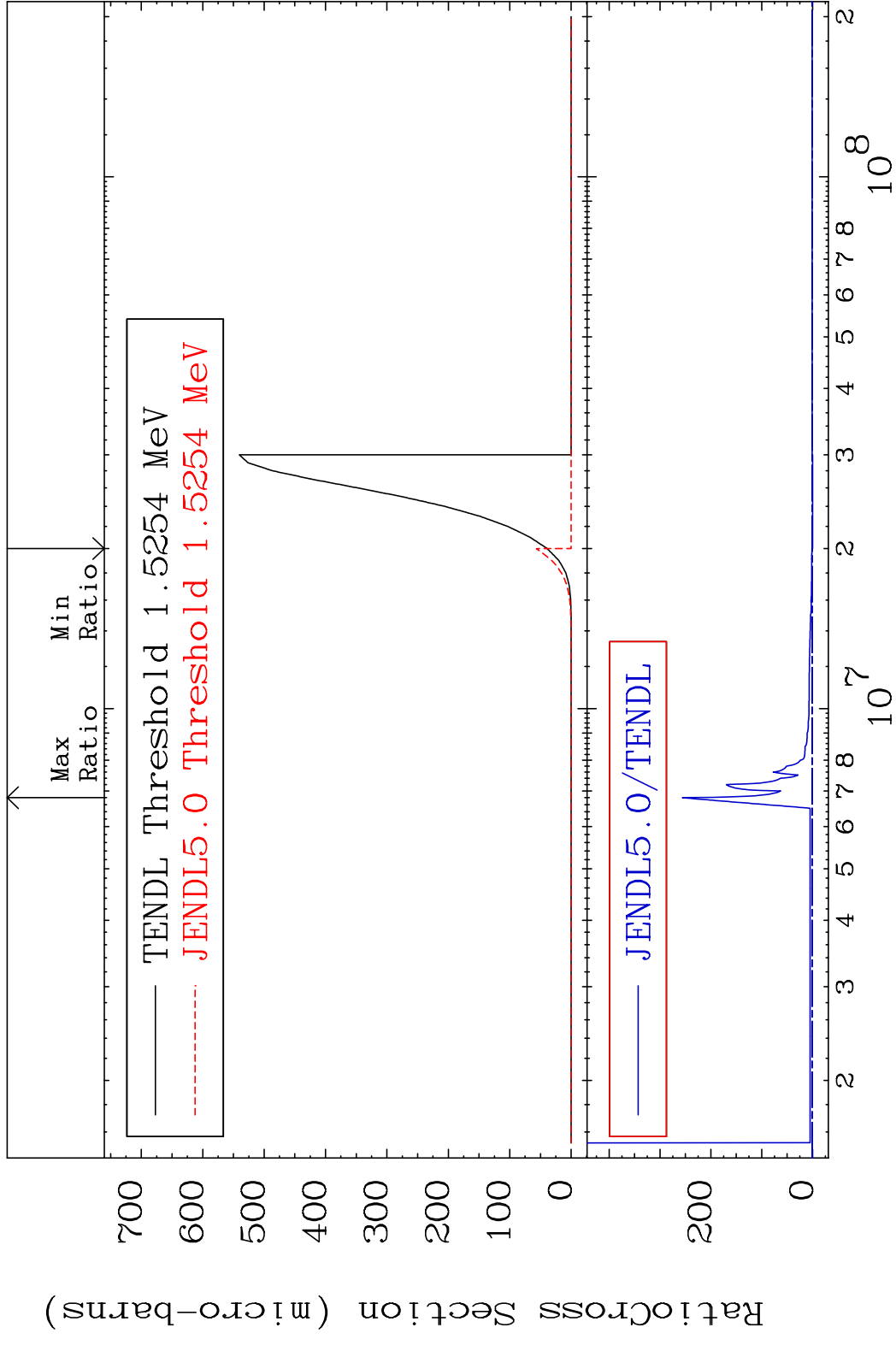
45-Rh-101

MAT 4519 (n,2p) 45-Rh-101  
 Cross Section -100.0 To 126.4 %

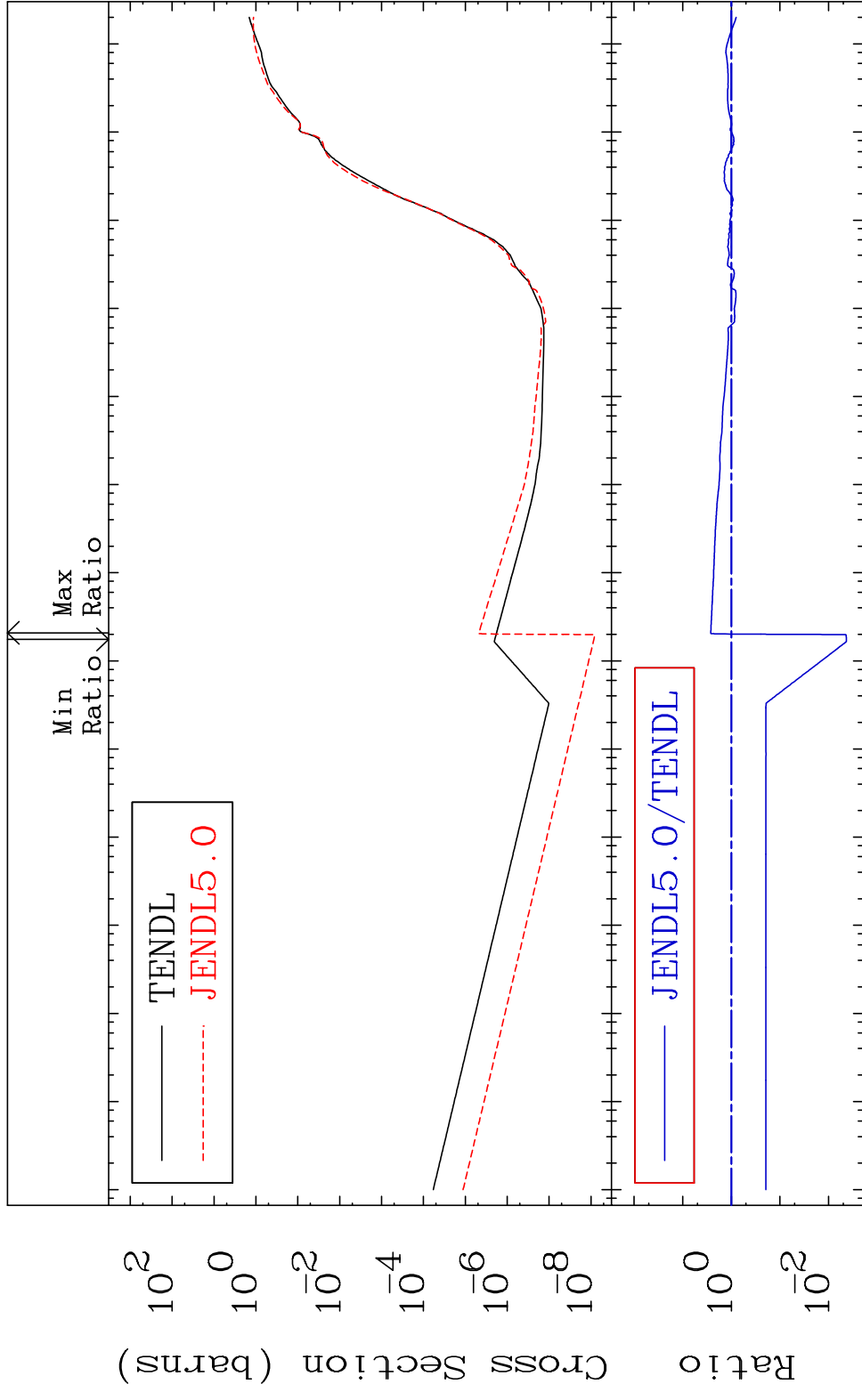


50 45-Rh-101

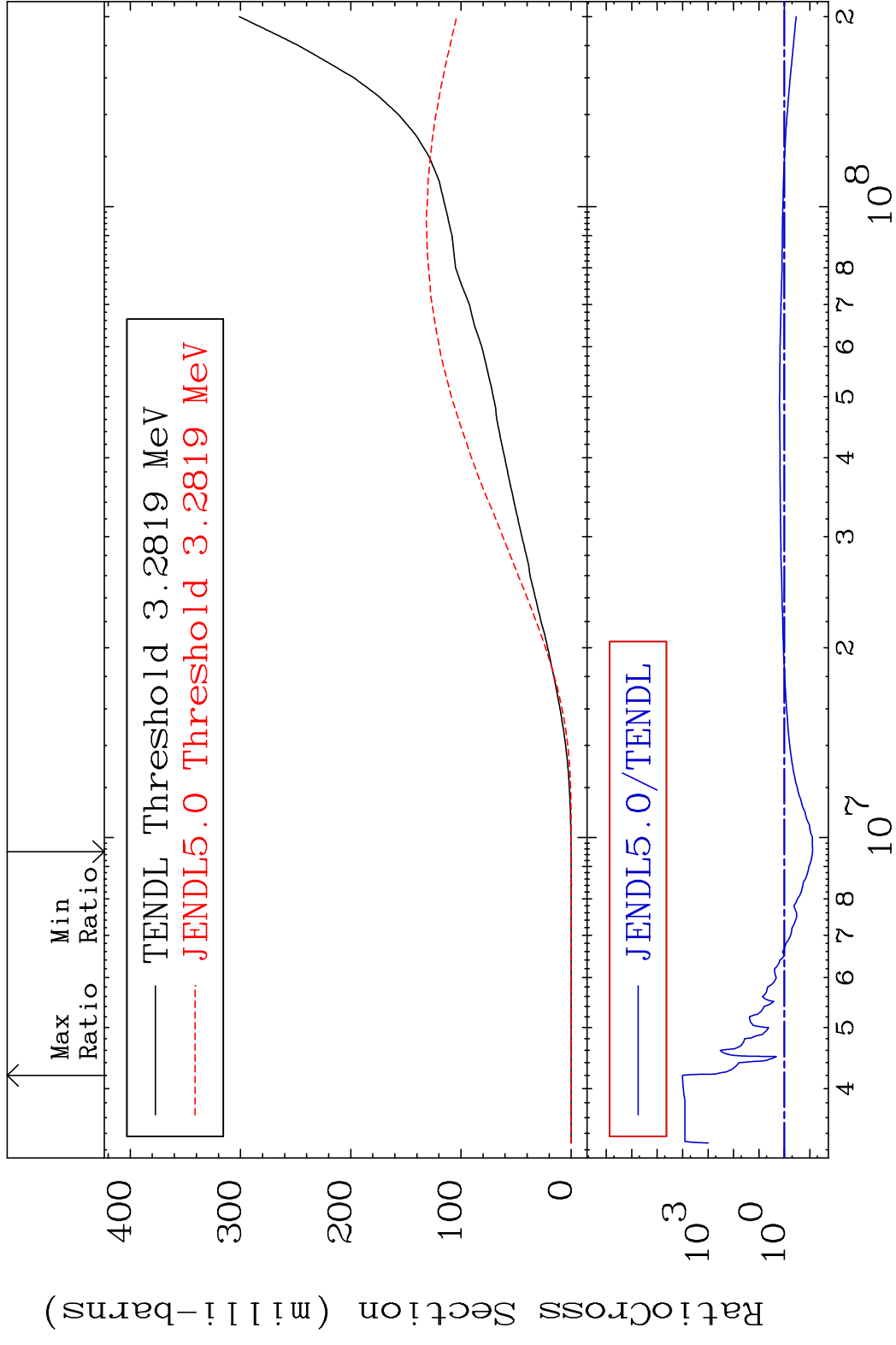
MAT 4519 (n,p)  $\alpha$  45-Rh-101  
 Cross Section -100.0 To 9999. %



MAT 4519 Hydrogen Production 45-Rh-101  
 Cross Section -99.57 To 165.5 %



Incident Energy (eV) 45-Rh-101

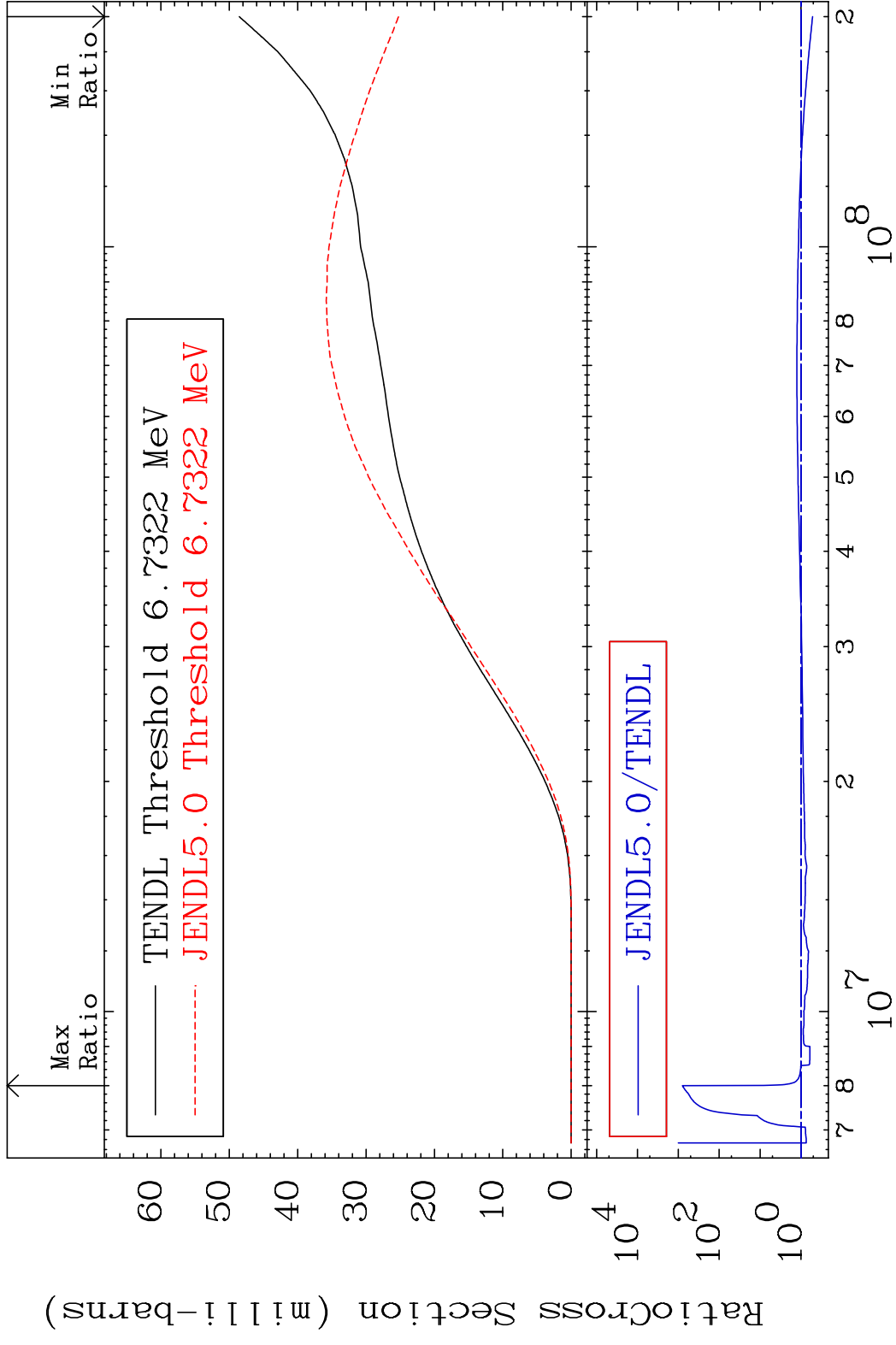


MAT 4519

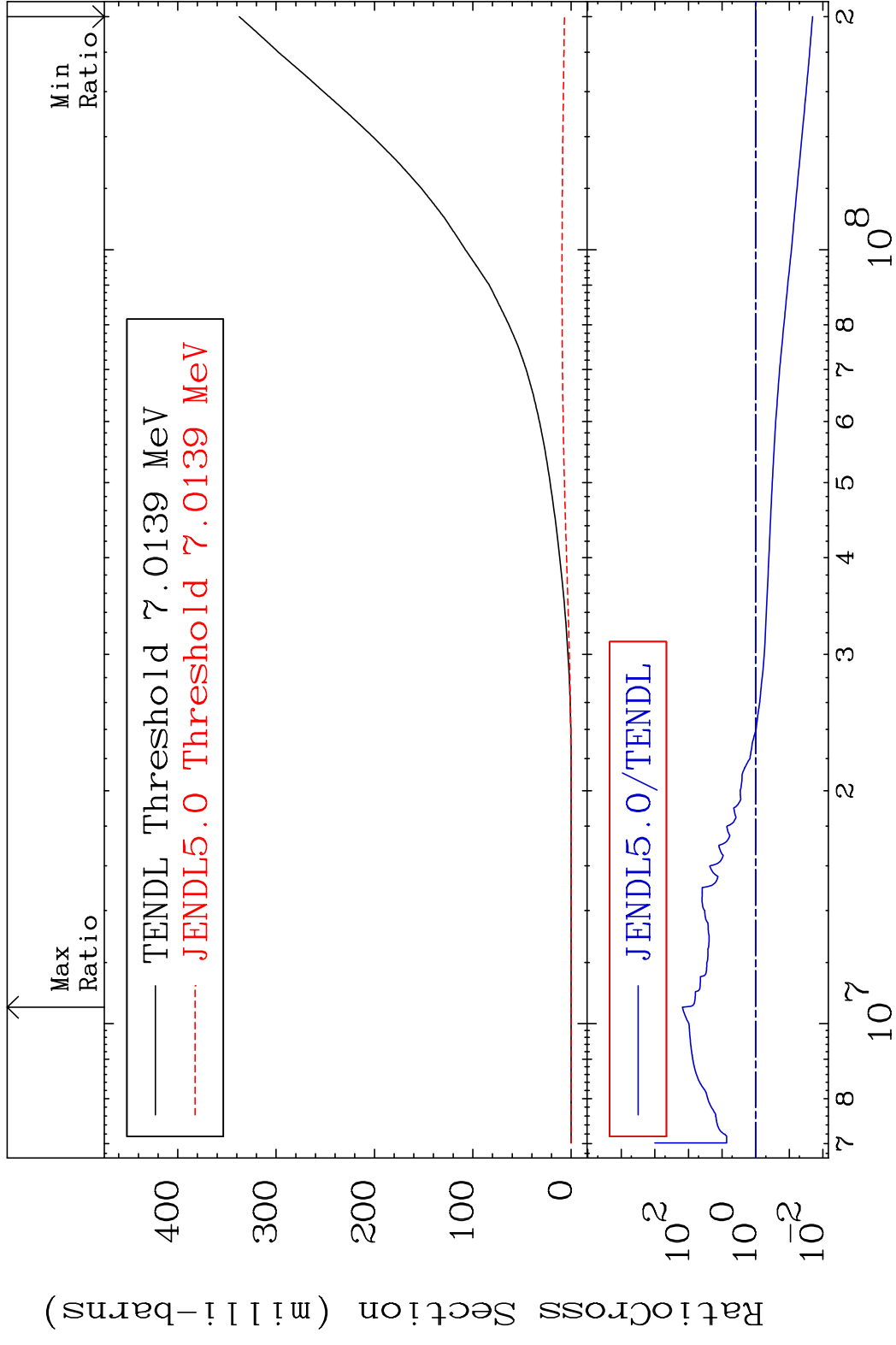
Tritium Production

45-Rh-101

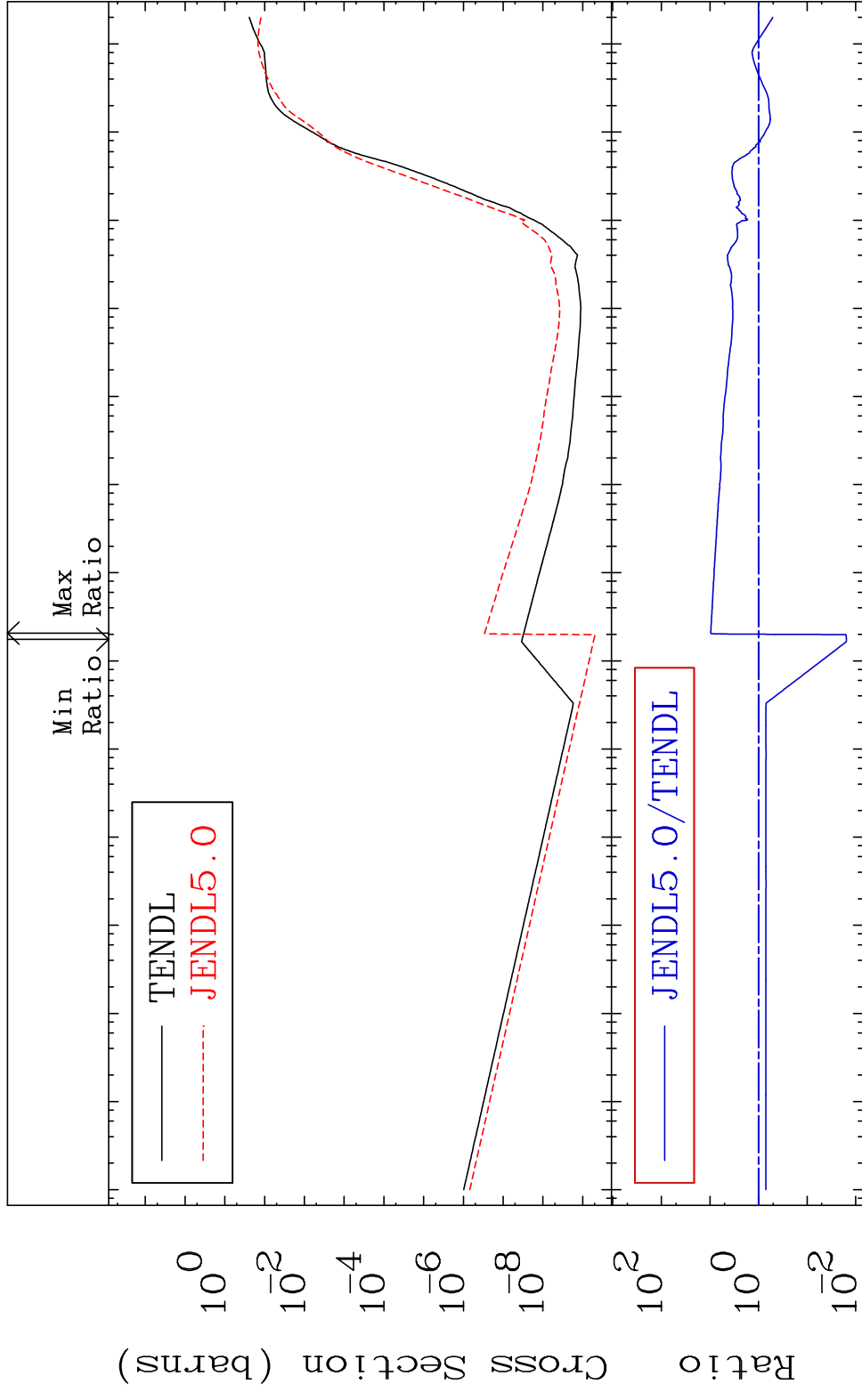
Cross Section -47.97 To 9999. %



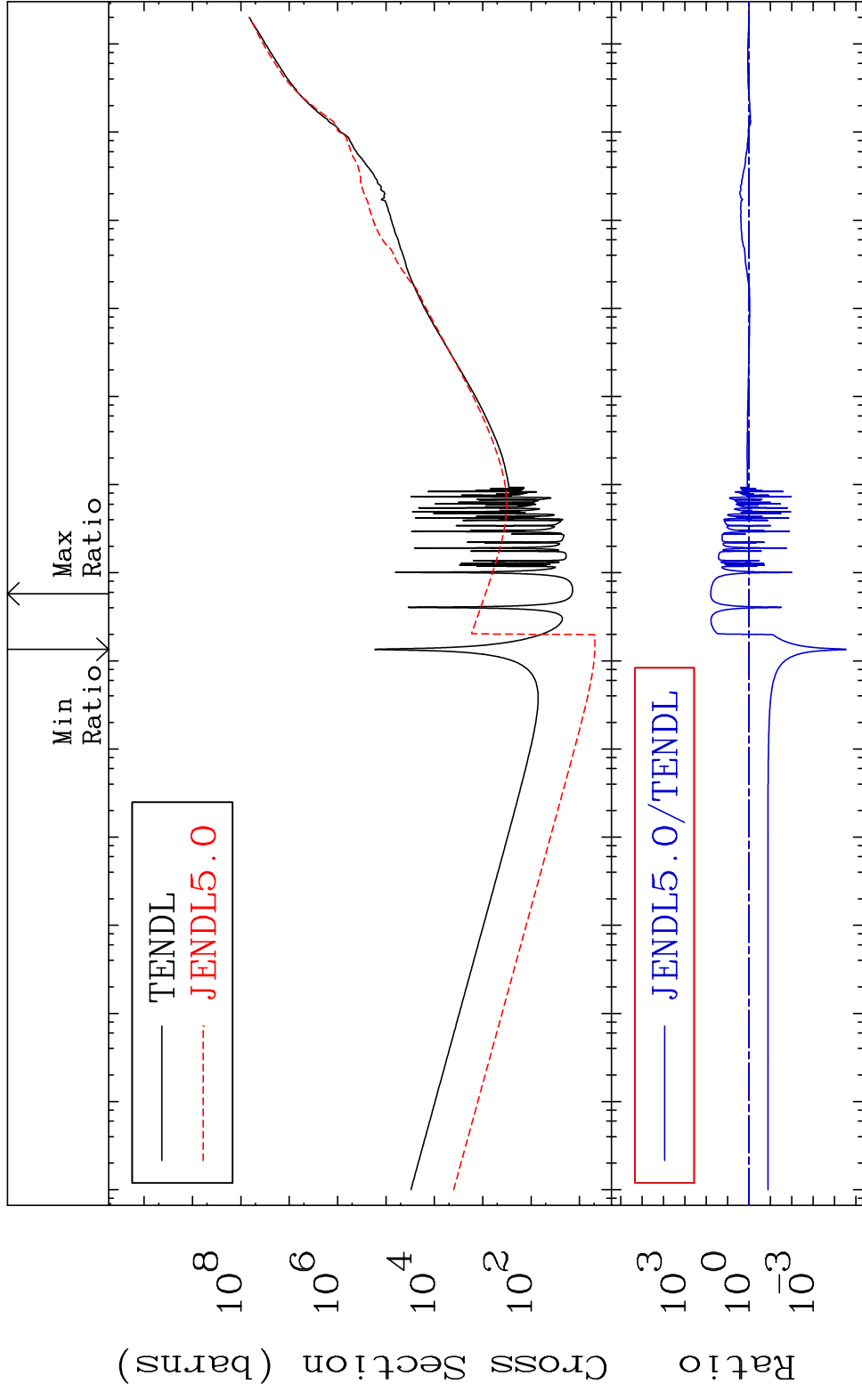
MAT 4519 He-3 Production 45-Rh-101  
 Cross Section -97.98 To 9999. %



MAT 4519 He-4 Production 45-Rh-101  
 Cross Section -98.44 To 864.2 %



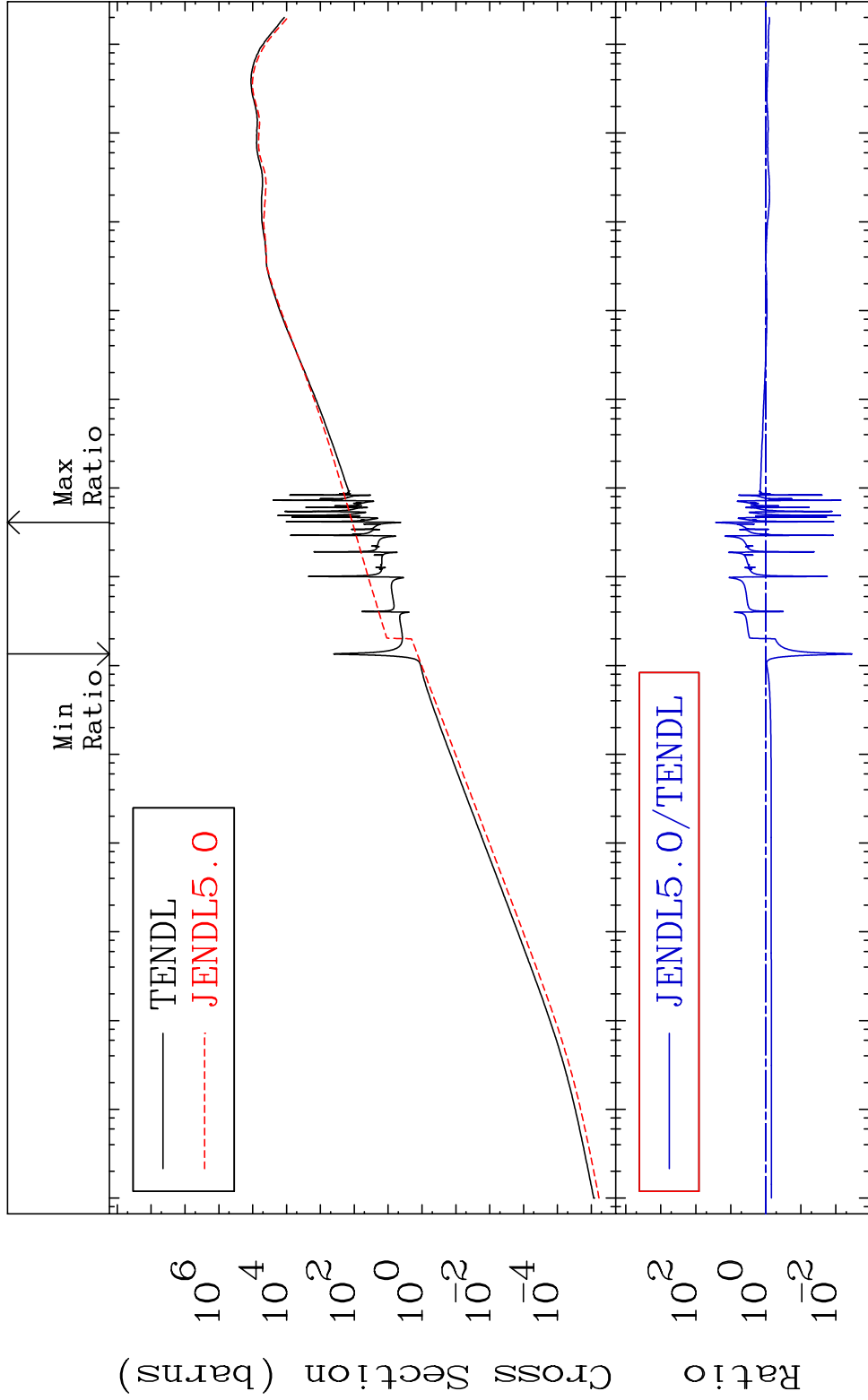
MAT 4519 Kerma total (eV-barns) 45-Rh-101  
 Cross Section -100.0 To 6047. %



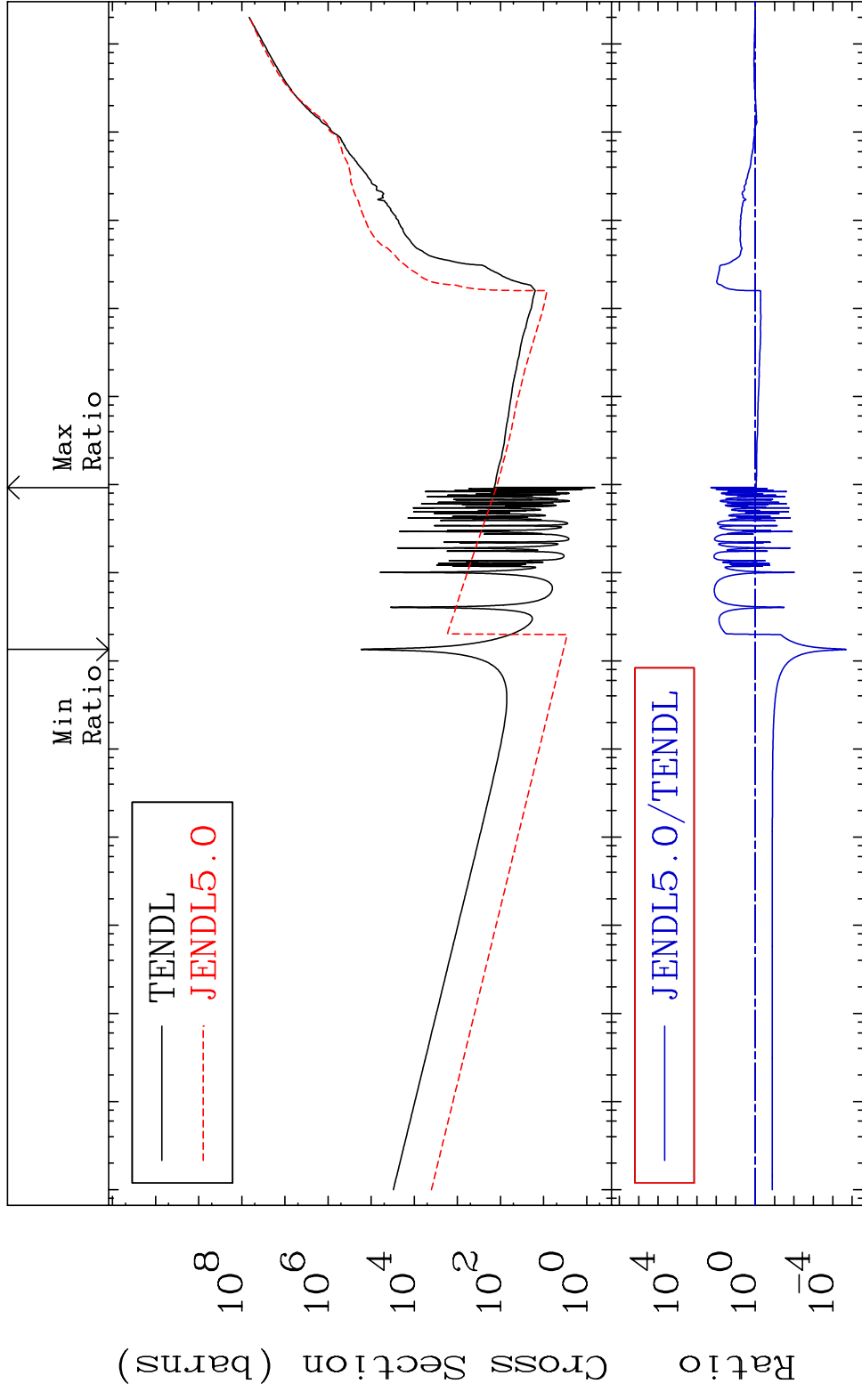
MAT 4519

Kerma elastic Cross Section -99.66 To 2603. %

45-Rh-101

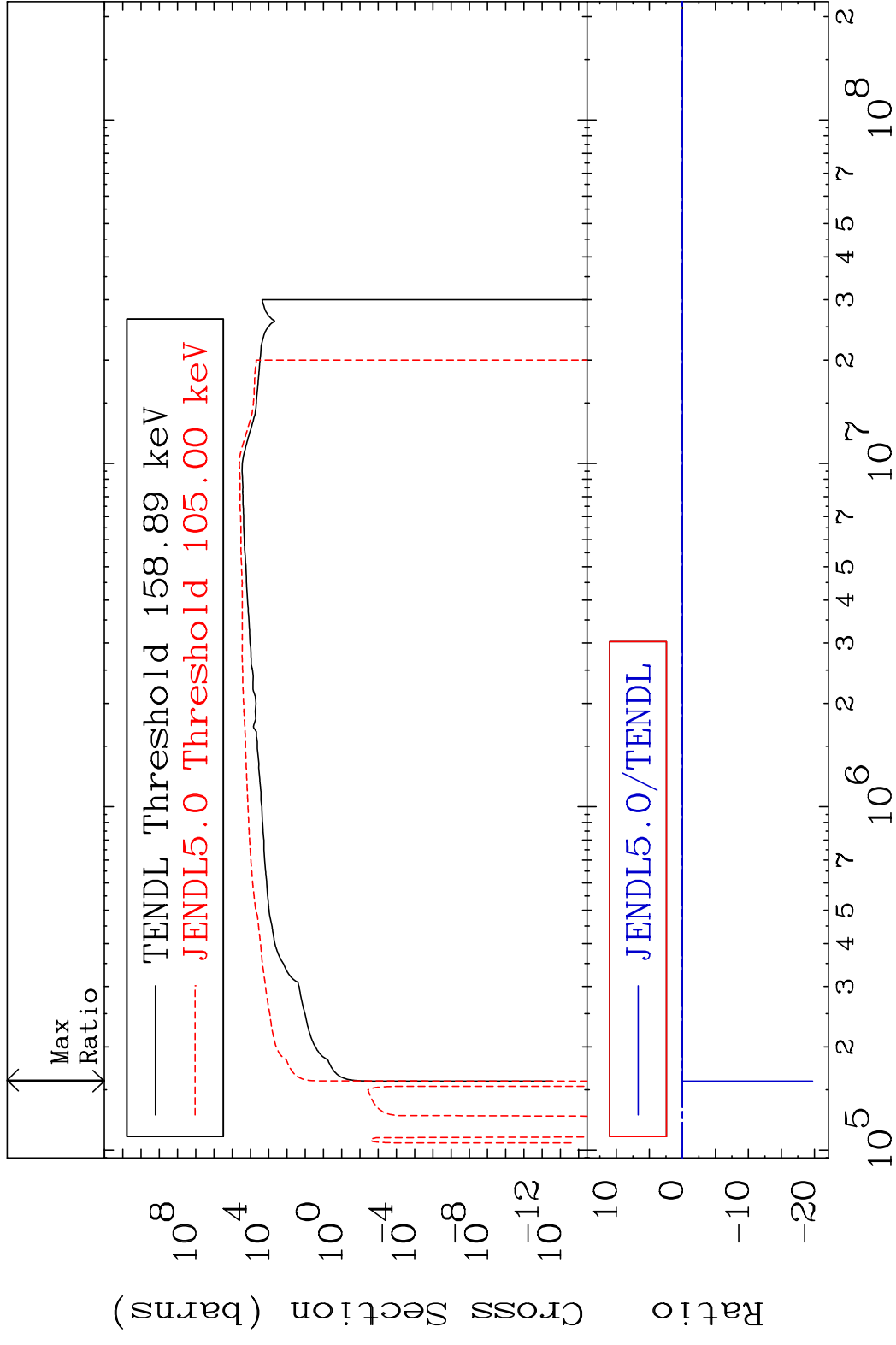


MAT 4519 Kerma non-elastic (all but mt2) 45-Rh-101  
Cross Section -100.0 To 9999. %



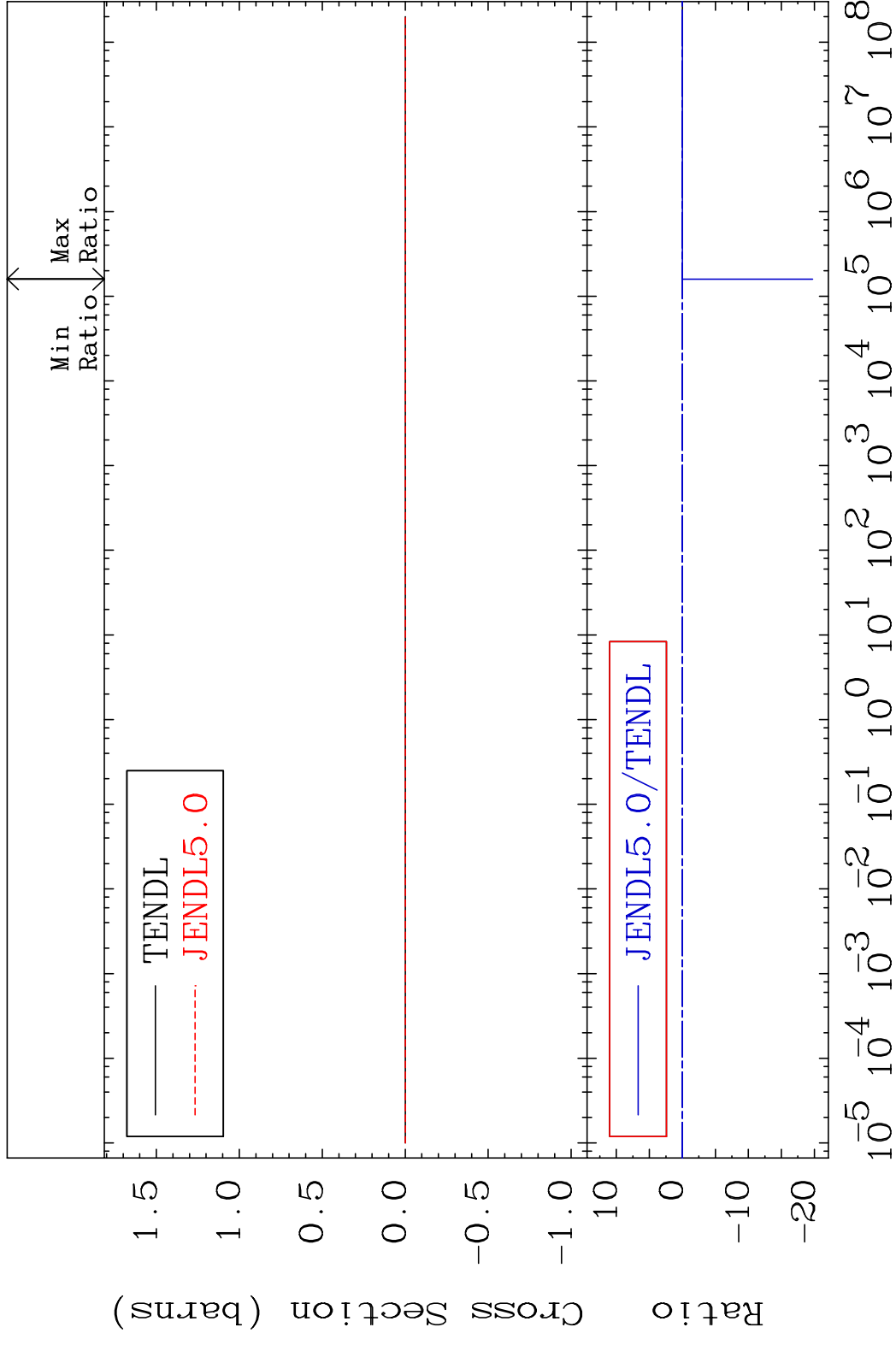
59 Incident Energy (eV) 45-Rh-101

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

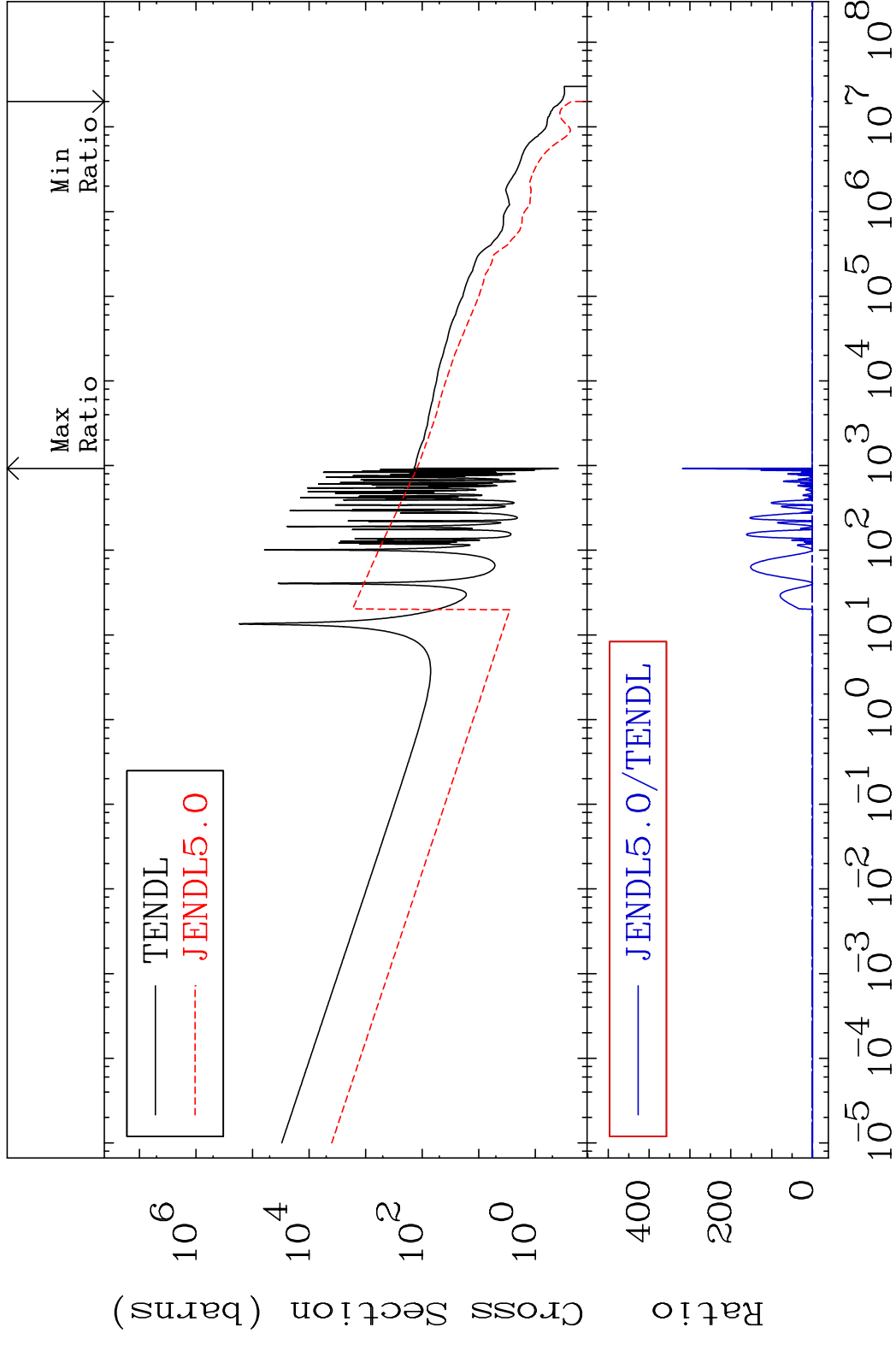


60 Incident Energy (eV) 45-Rh-101

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

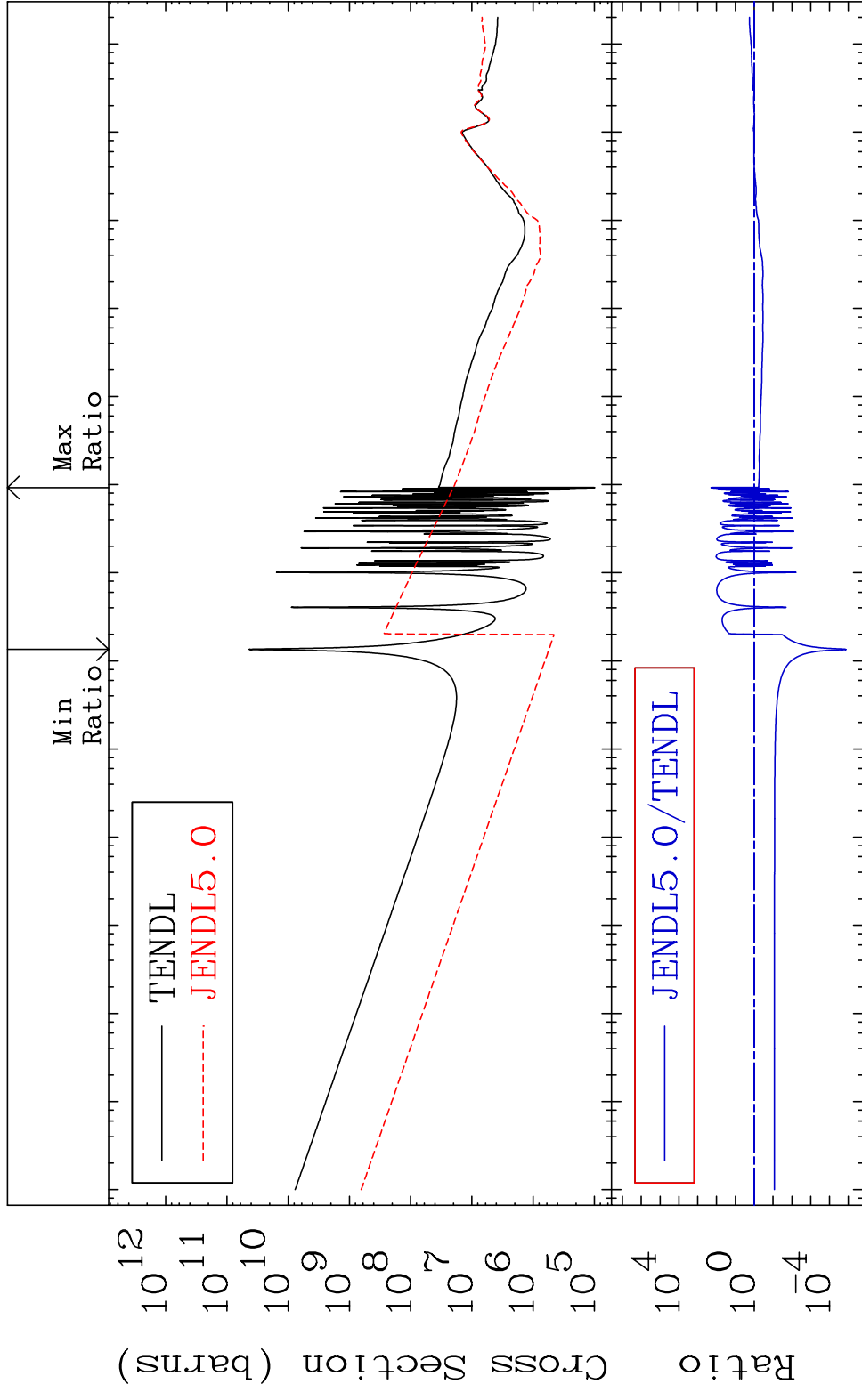


MAT 4519 Kerma capture (mt102) 45-Rh-101  
 Cross Section -100.0 To 9999. %



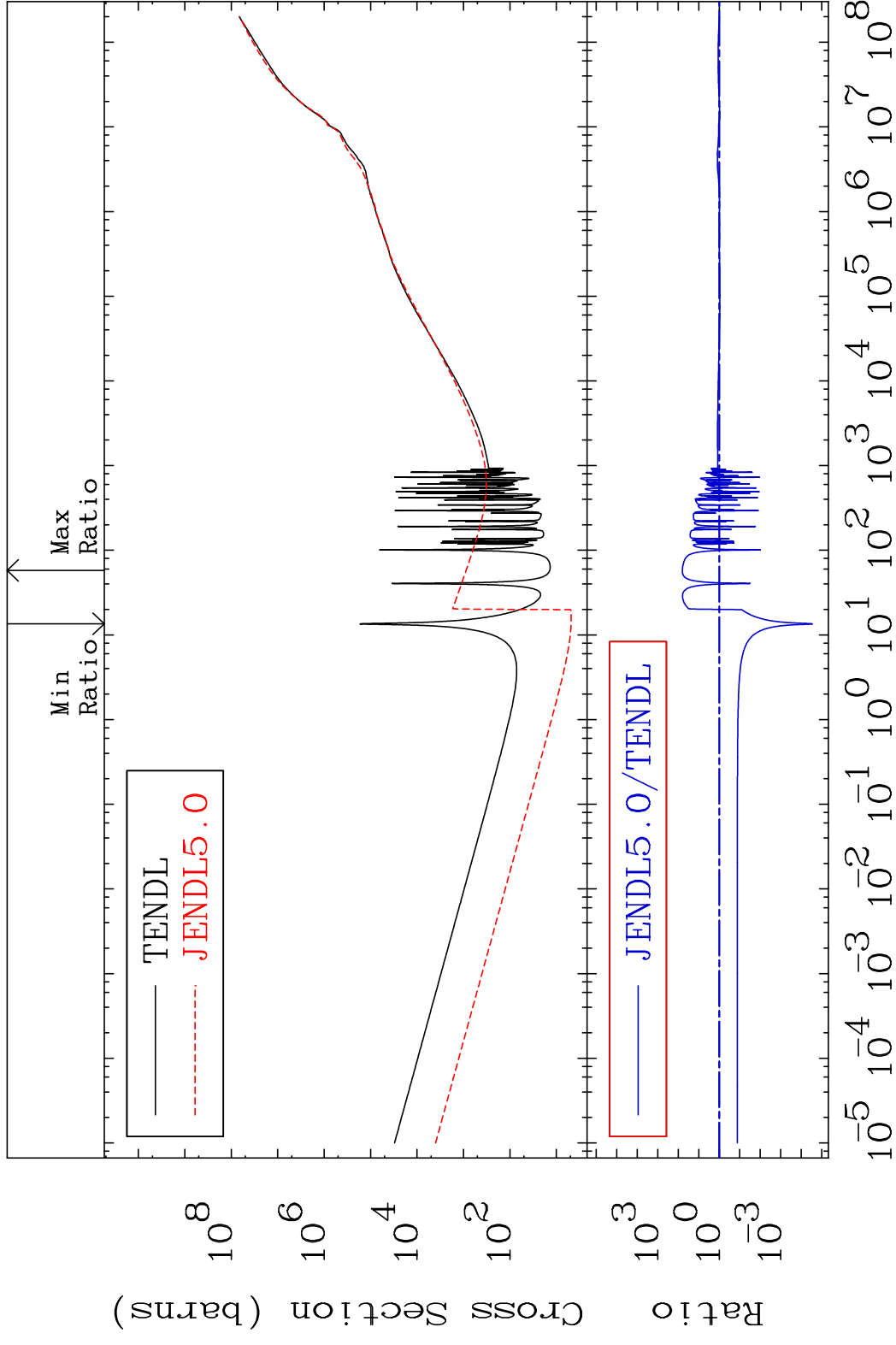
62 Incident Energy (eV) 45-Rh-101

MAT 4519 Total photon (eV-barns) 45-Rh-101  
 Cross Section -100.0 To 9999. %

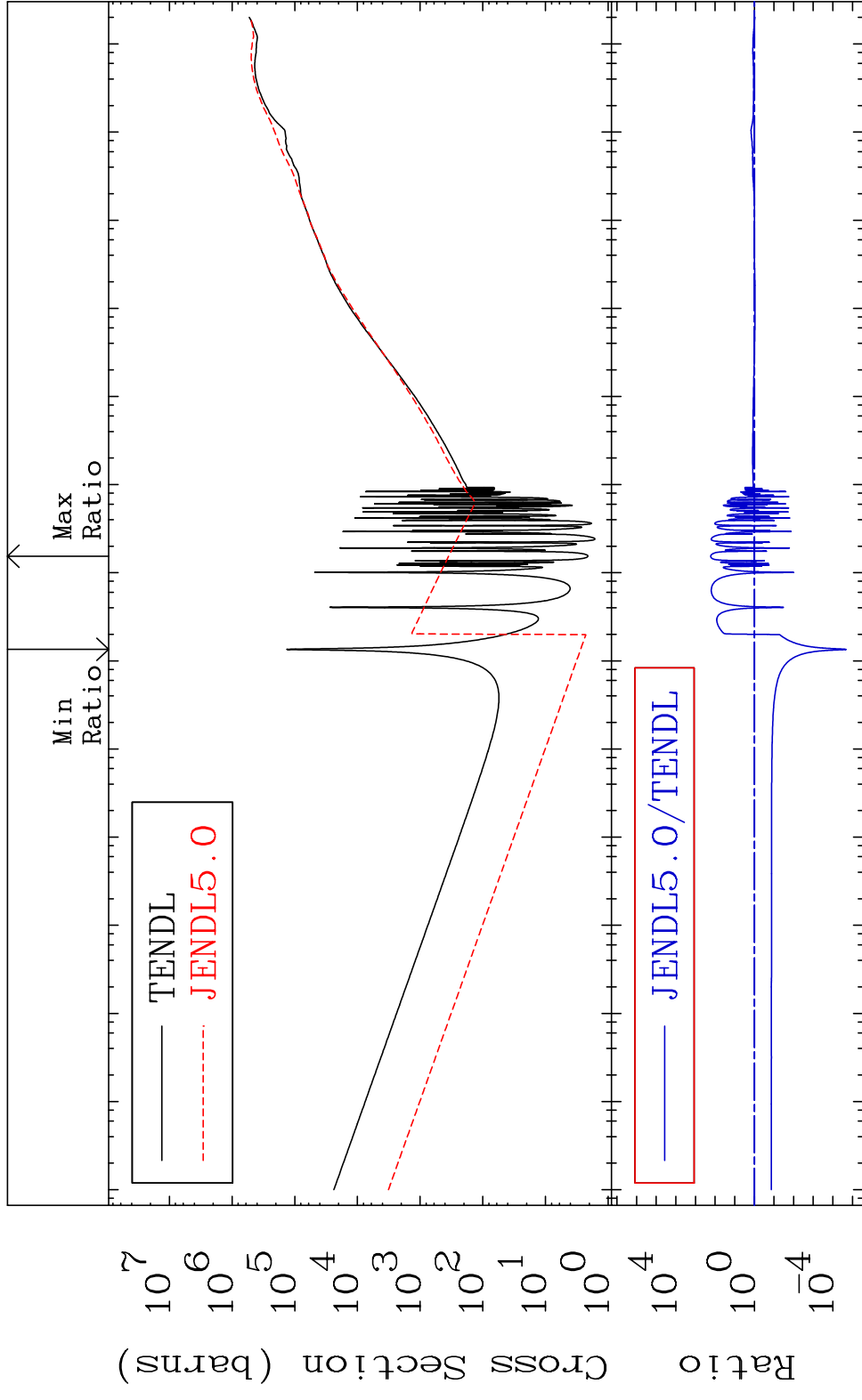


63 Incident Energy (eV) 45-Rh-101

MAT 4519 Total kinematic kerma (high limit) 45-Rh-101  
 Cross Section -100.0 To 6189. %



MAT 4519 Dpa total (eV-barns) 45-Rh-101  
 Cross Section -100.0 To 9999. %



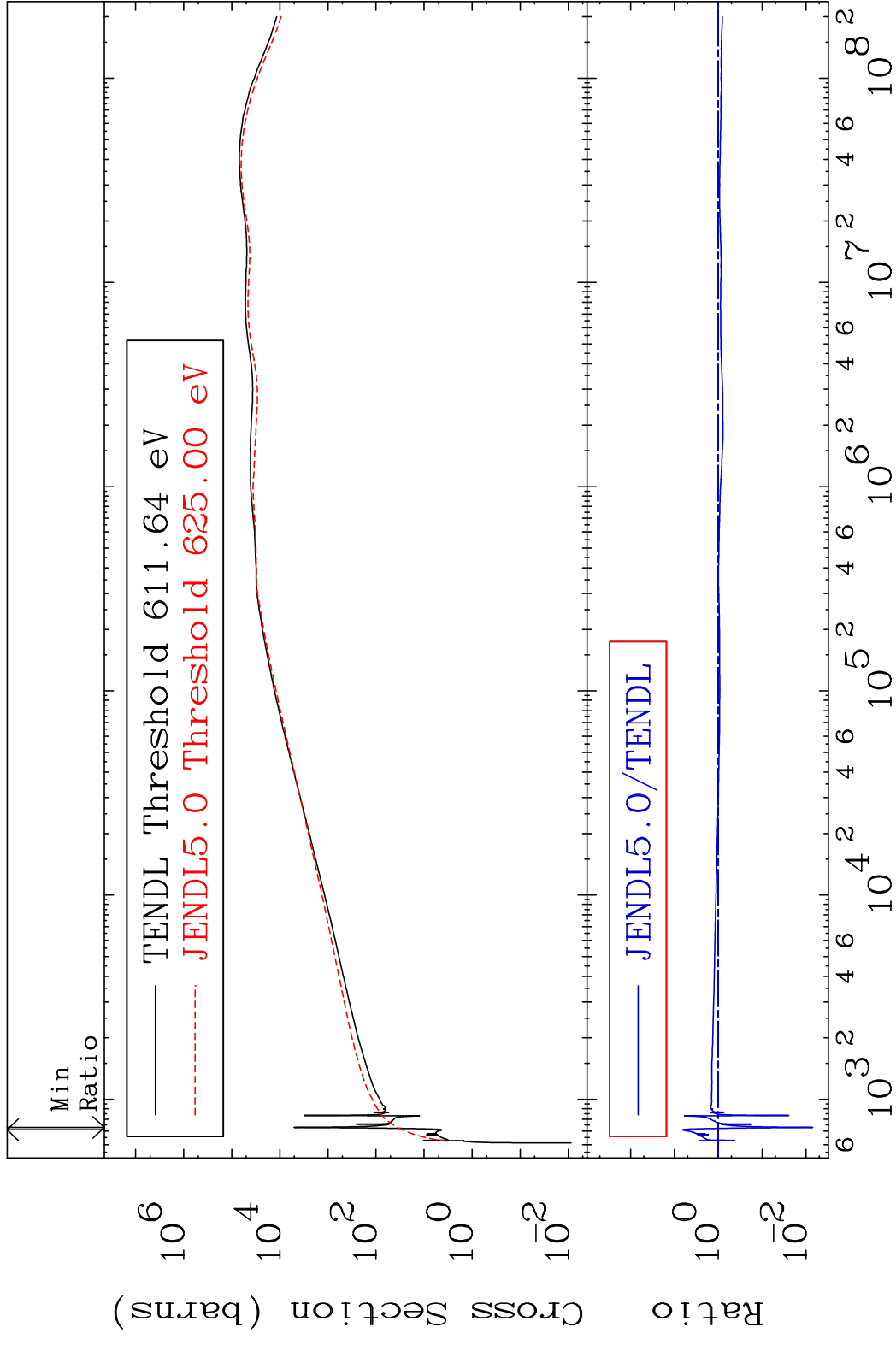
65 Incident Energy (eV) 45-Rh-101

MAT 4519

Dpa elastic (mt2)

45-Rh-101

Cross Section -99.29 To 560.1 %

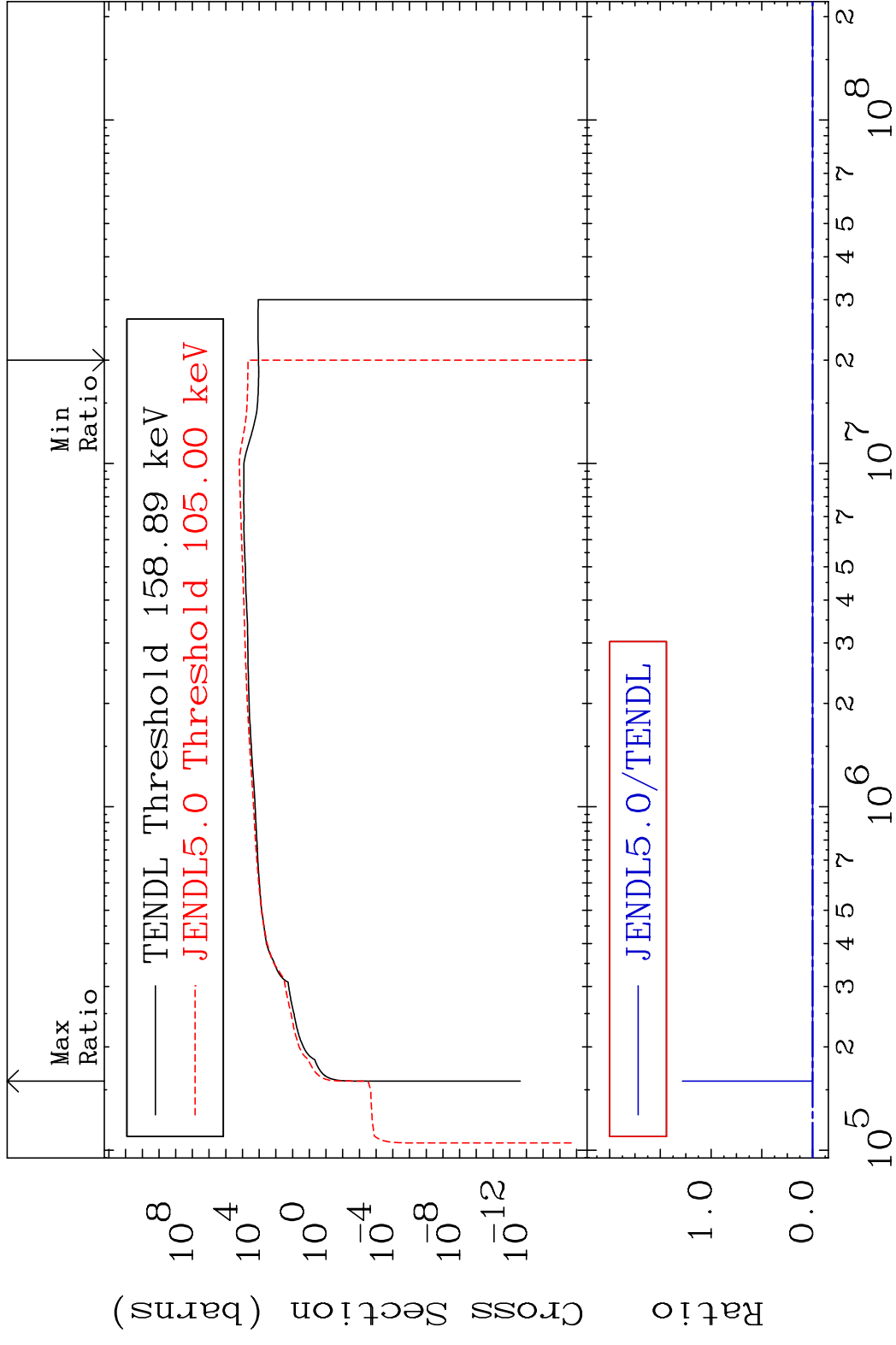


66

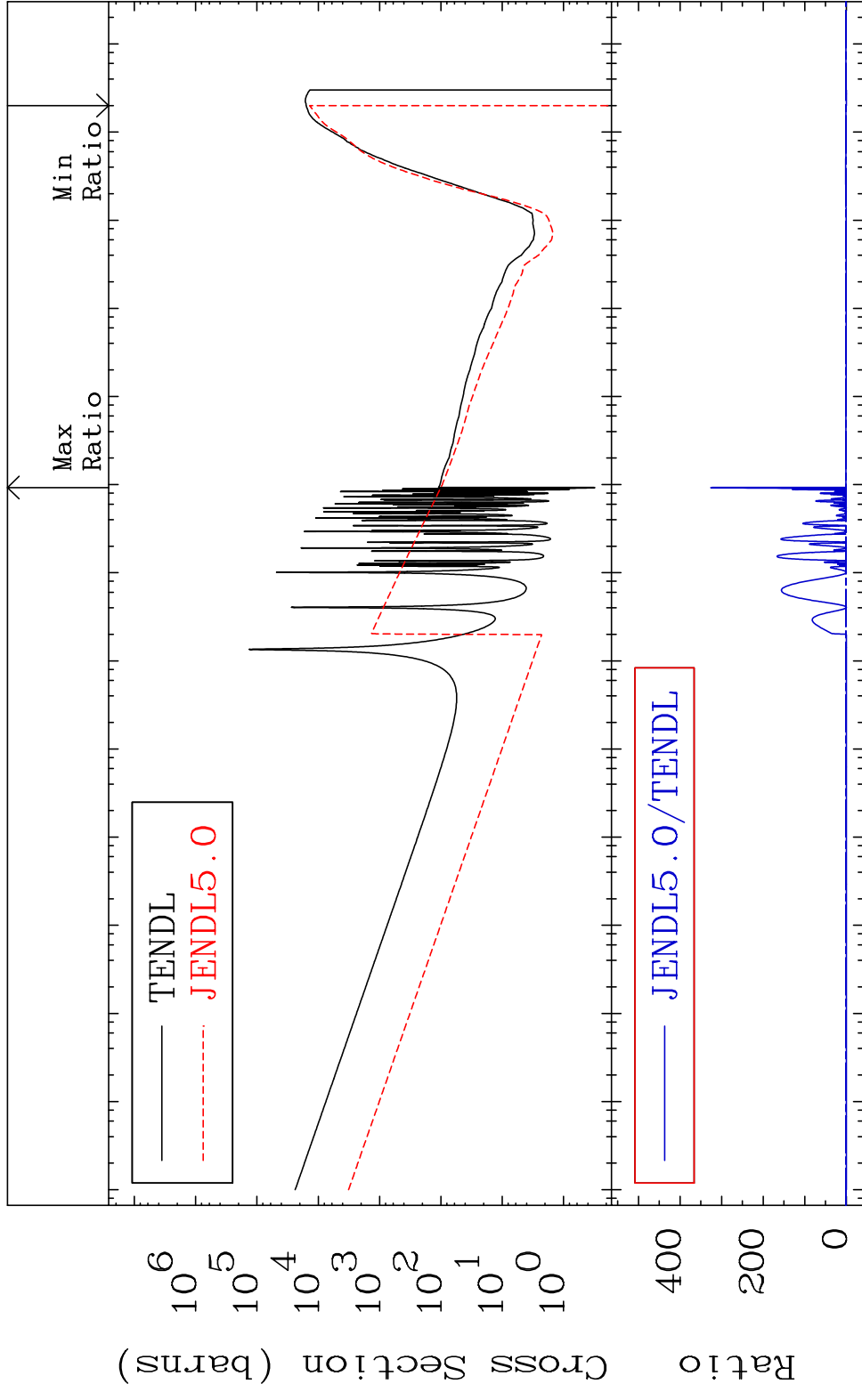
Incident Energy (eV)

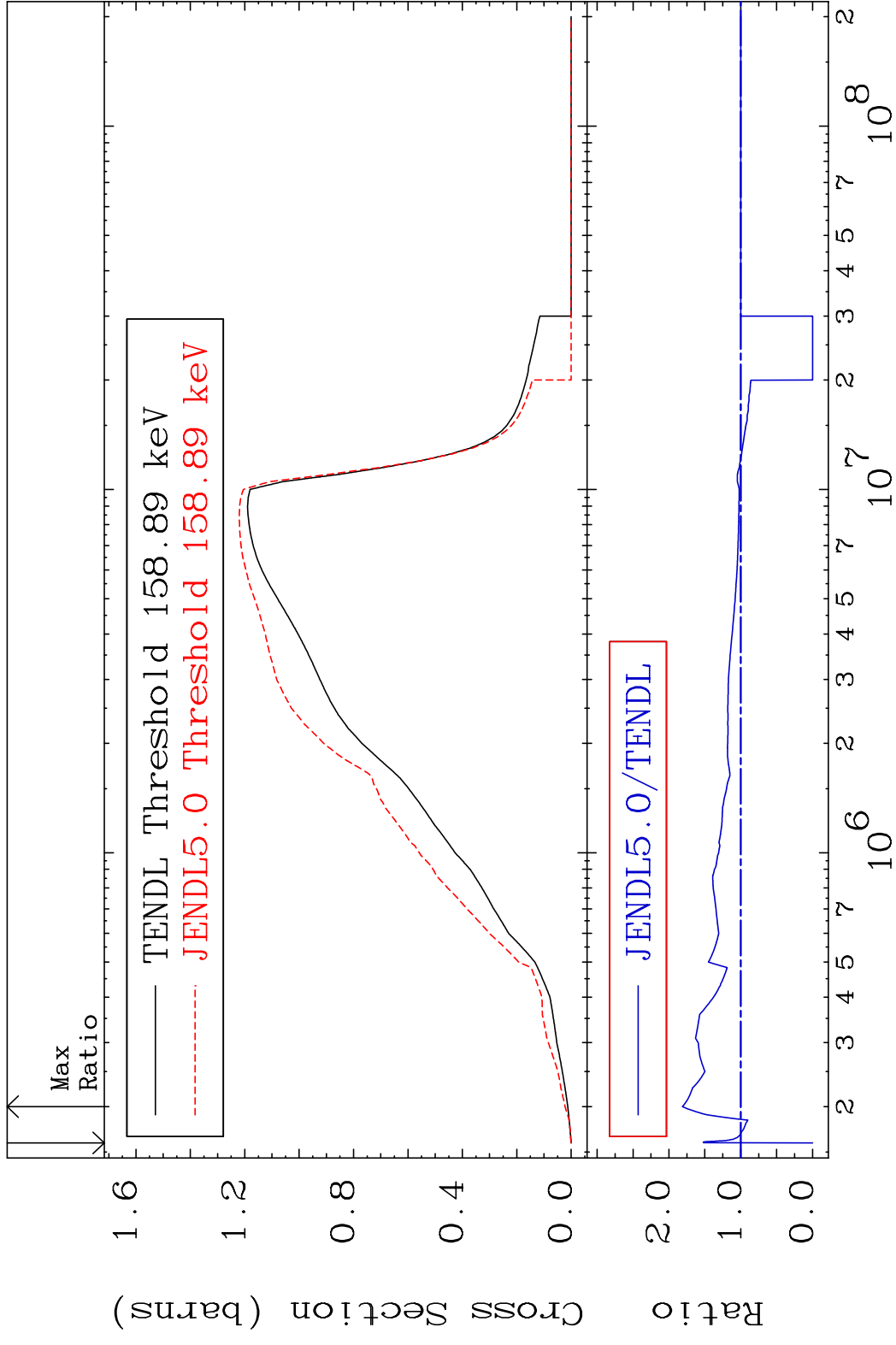
45-Rh-101

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

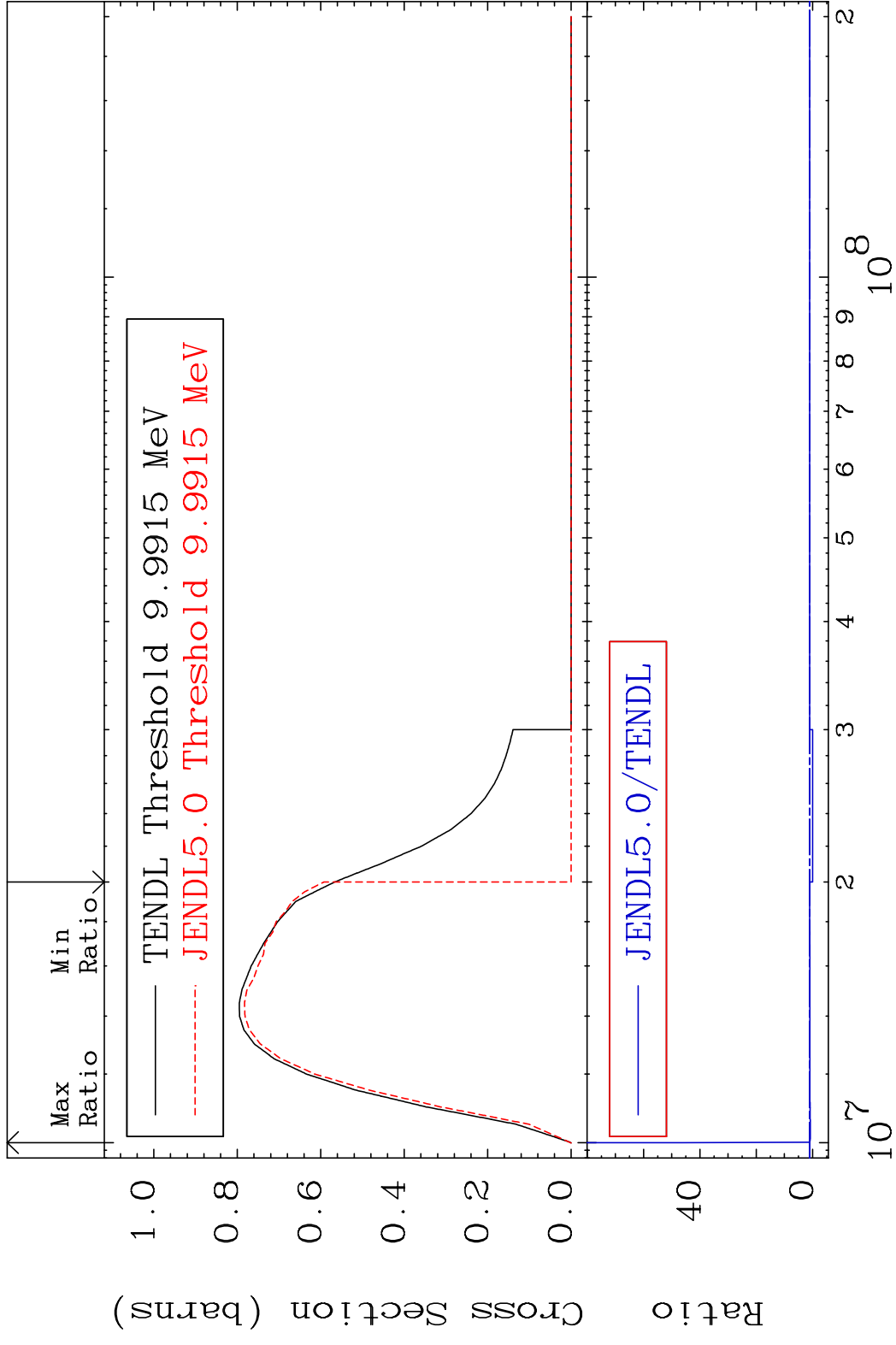


MAT 4519 Dpa disappearance (mt102 -120) 45-Rh-101  
 Cross Section -100.0 To 9999. %



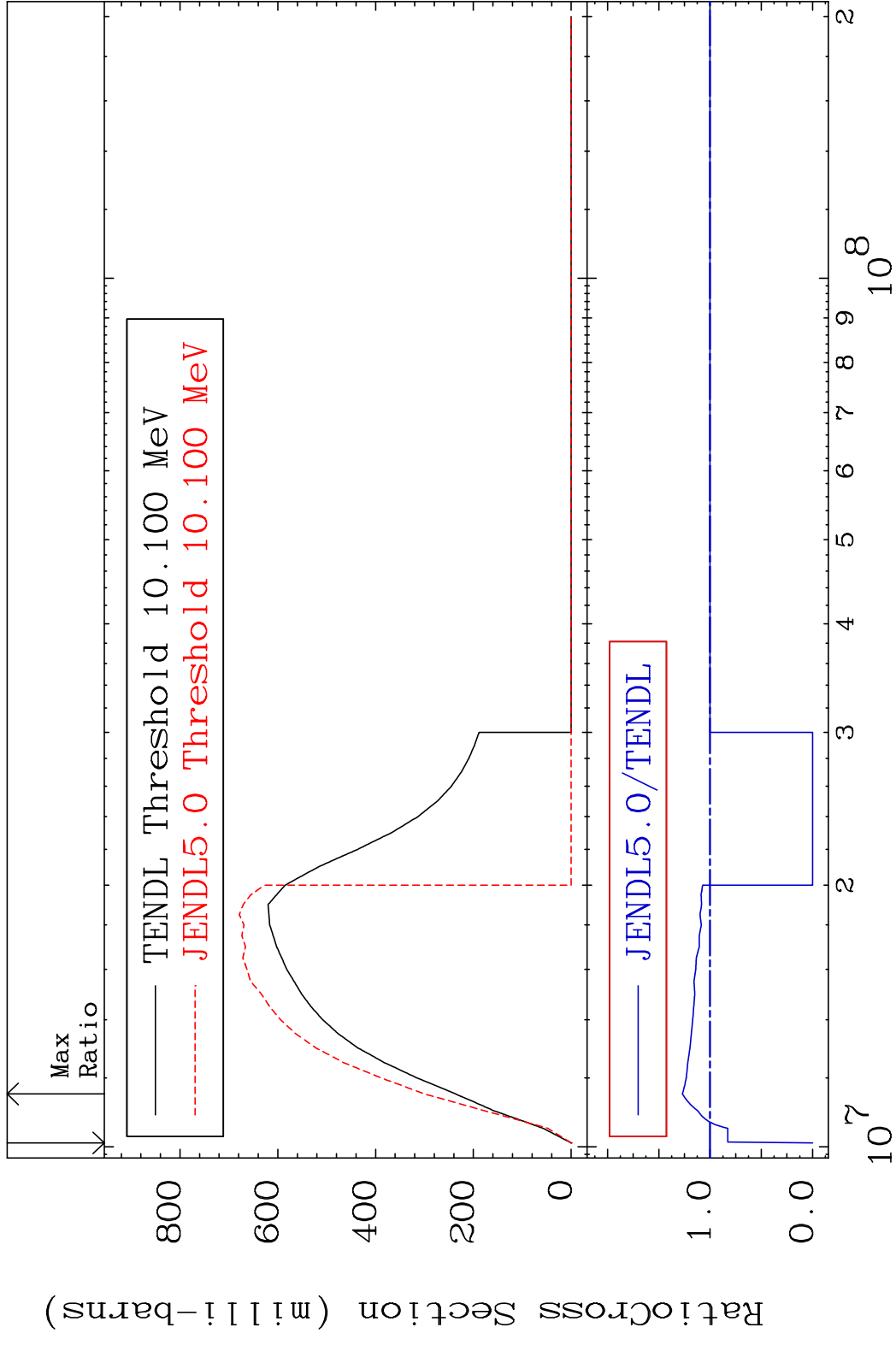


MAT 4519 (n,2n):45-Rh-100g 45-Rh-101  
 Radionuclide Production Cross Section 1800.0 dno 4524. %

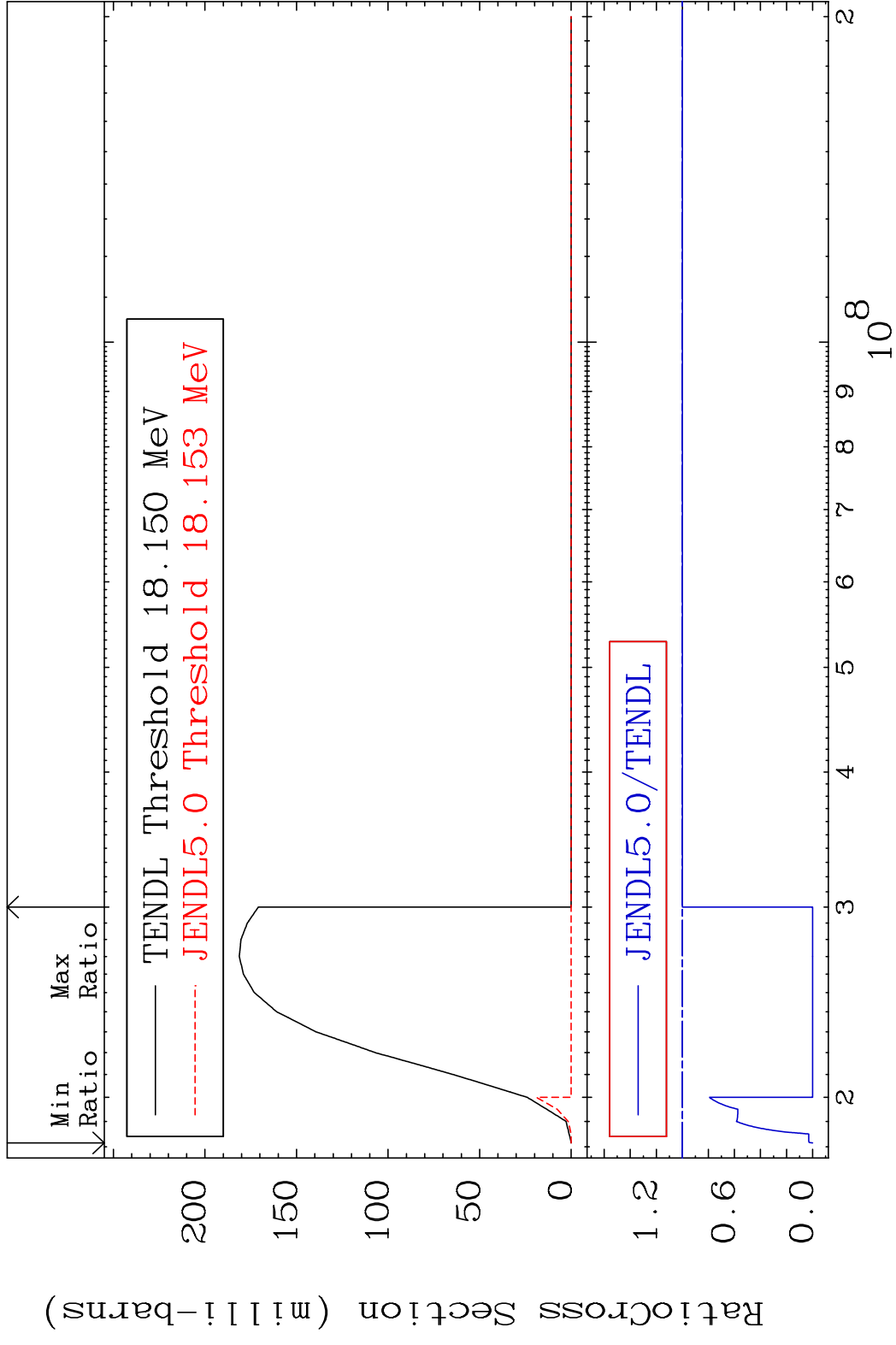


70 Incident Energy (eV) 45-Rh-101

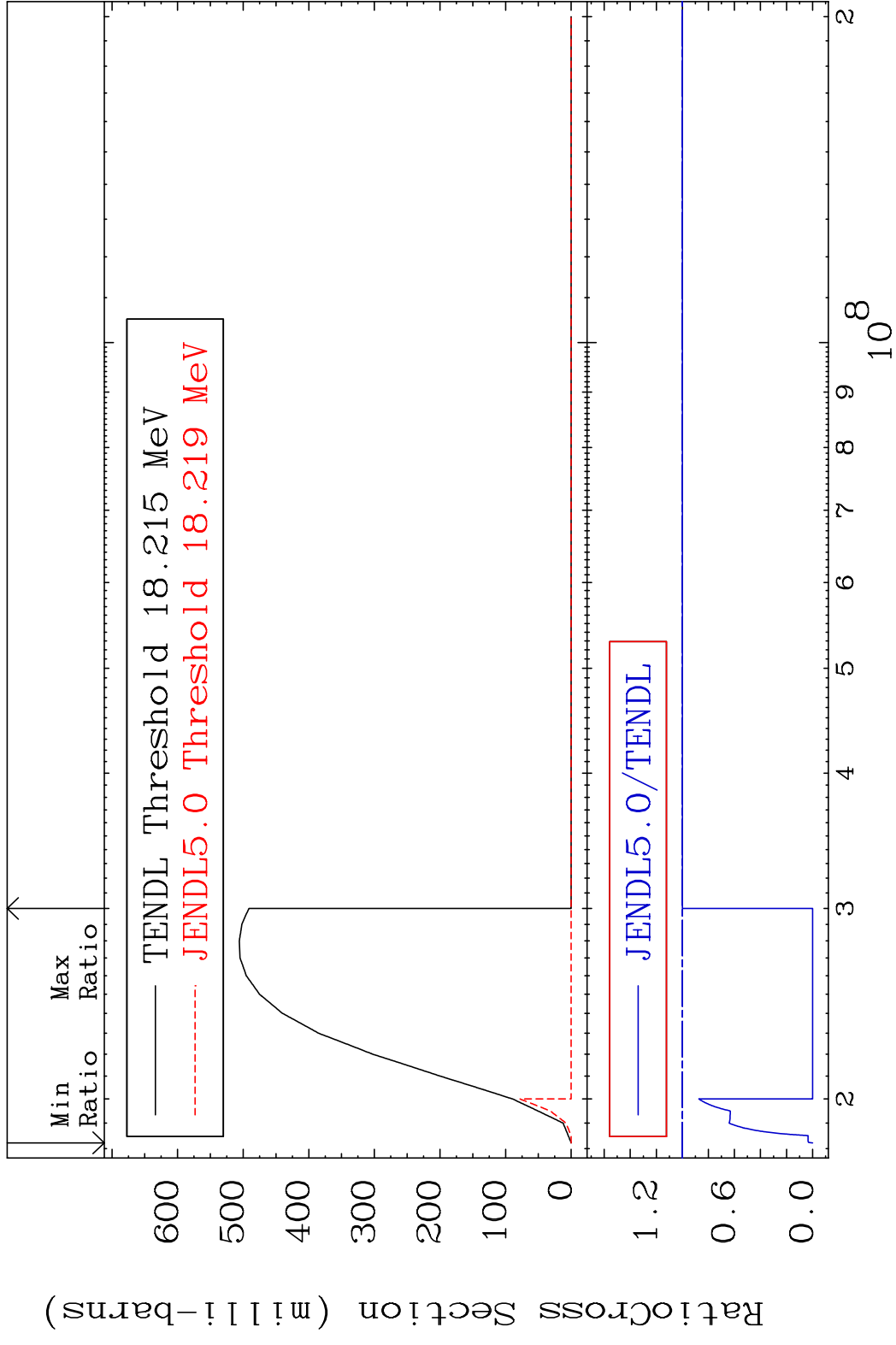
MAT 4519 (n, 2n) : 45-Rh-100m4 45-Rh-101  
 Radionuclide Production Cross Section 180.01 dth 27.03 %

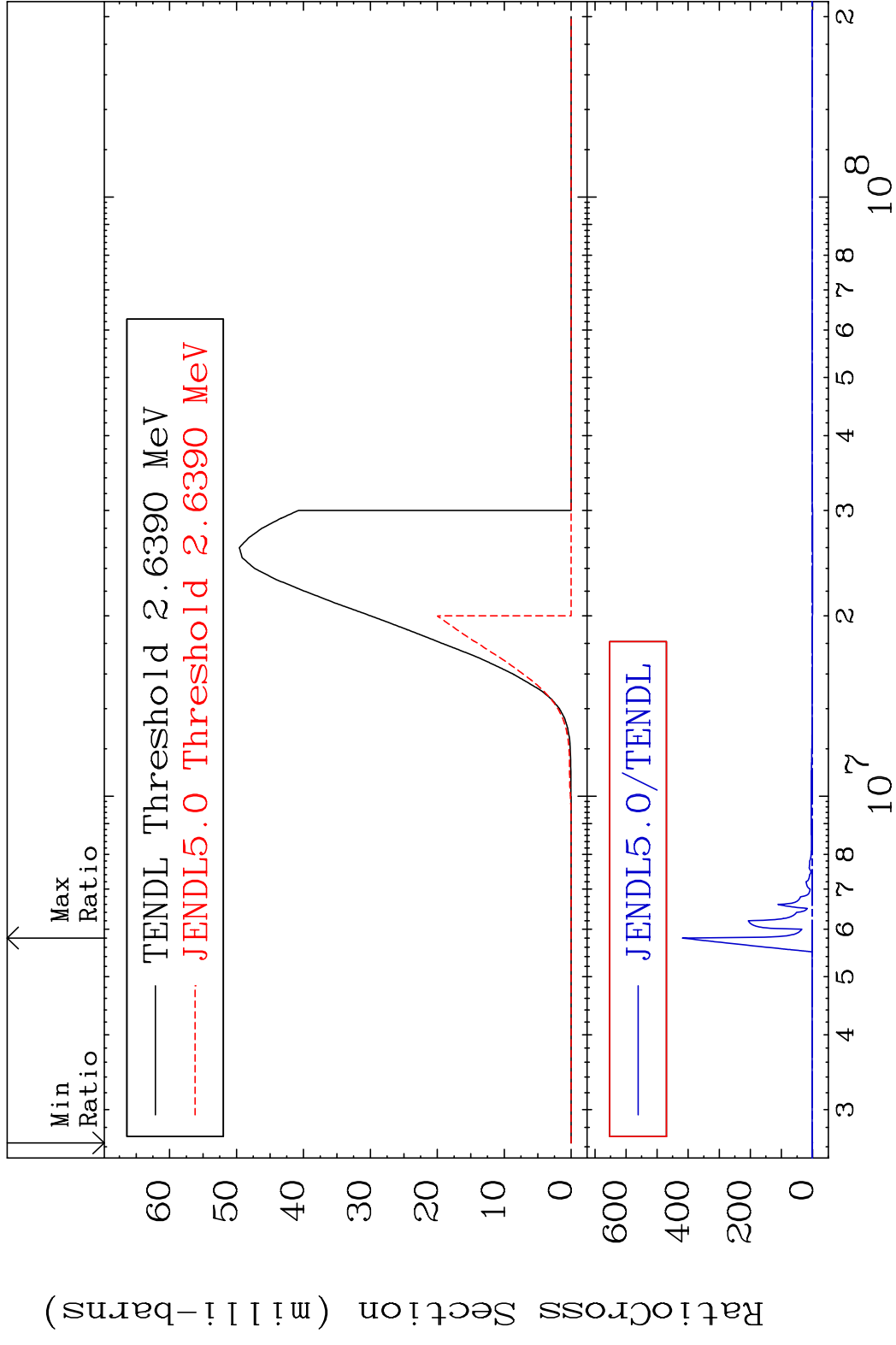


MAT 4519 (n,3n):45-Rh-99g 45-Rh-101  
 Radionuclide Production Cross Section 18.153 MeV 0.000 %

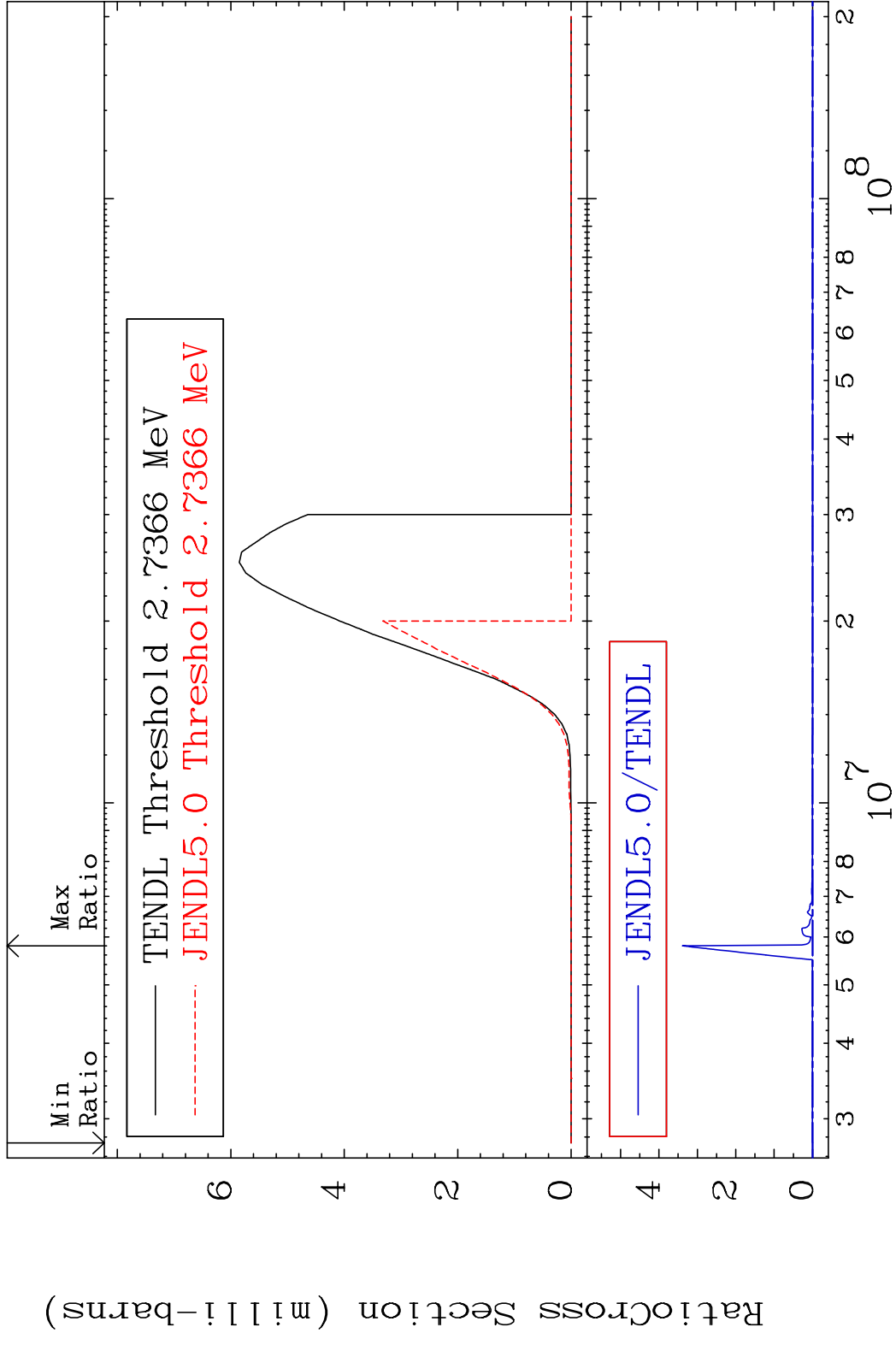


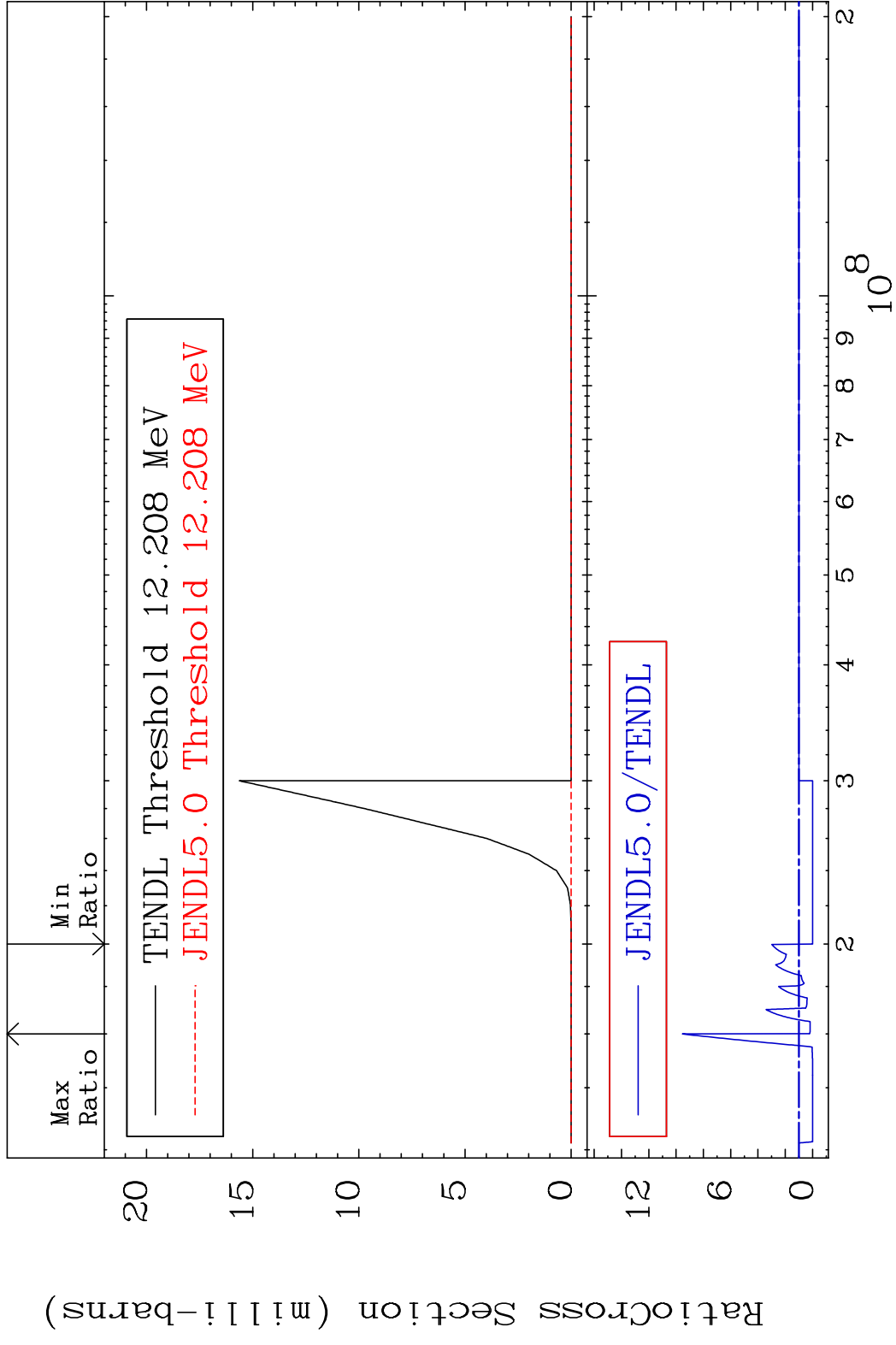
MAT 4519 (n,3n):45-Rh-99m1 45-Rh-101  
 Radionuclide Production Cross Section 18.215 MeV 0.000 %



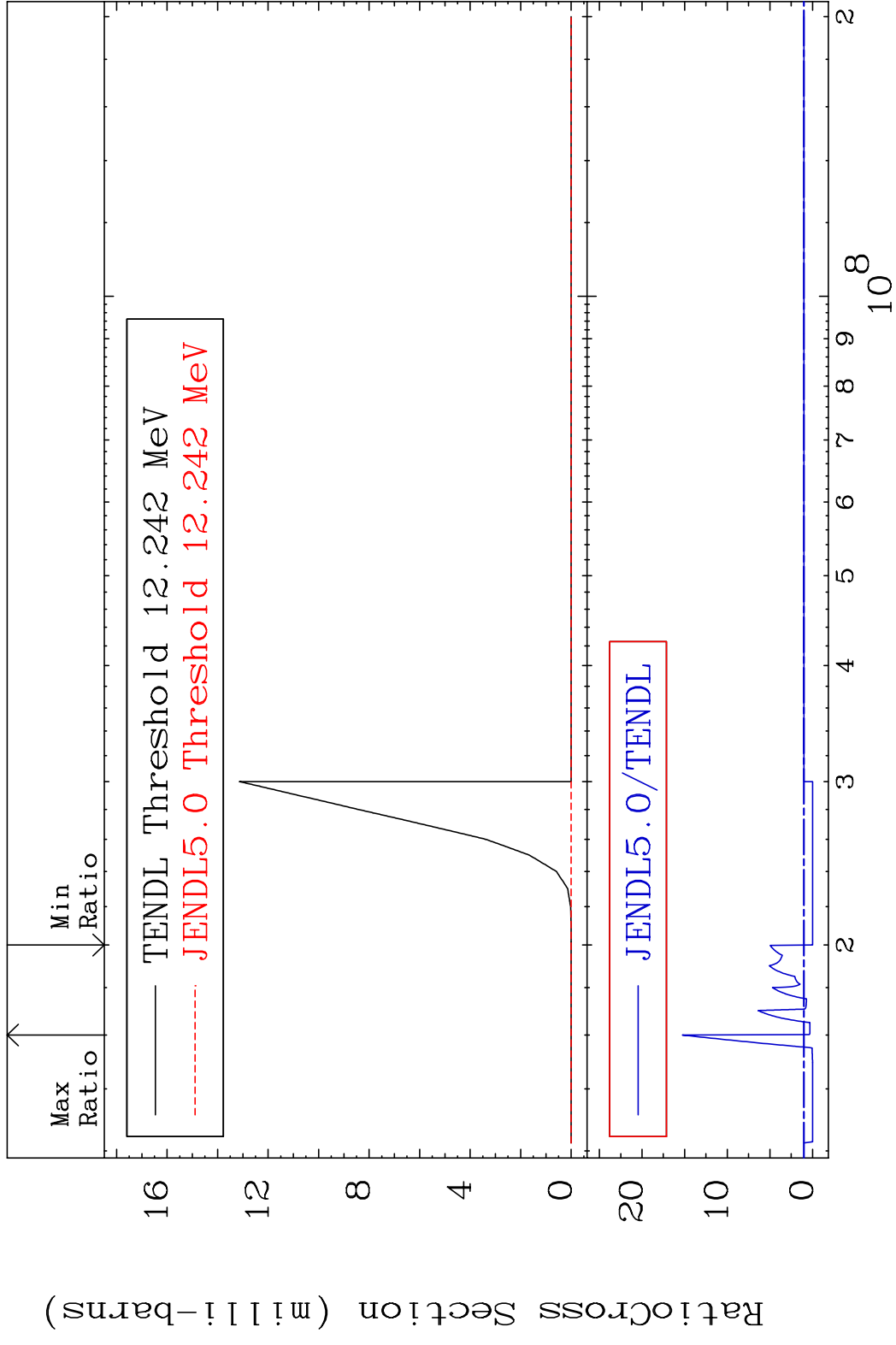


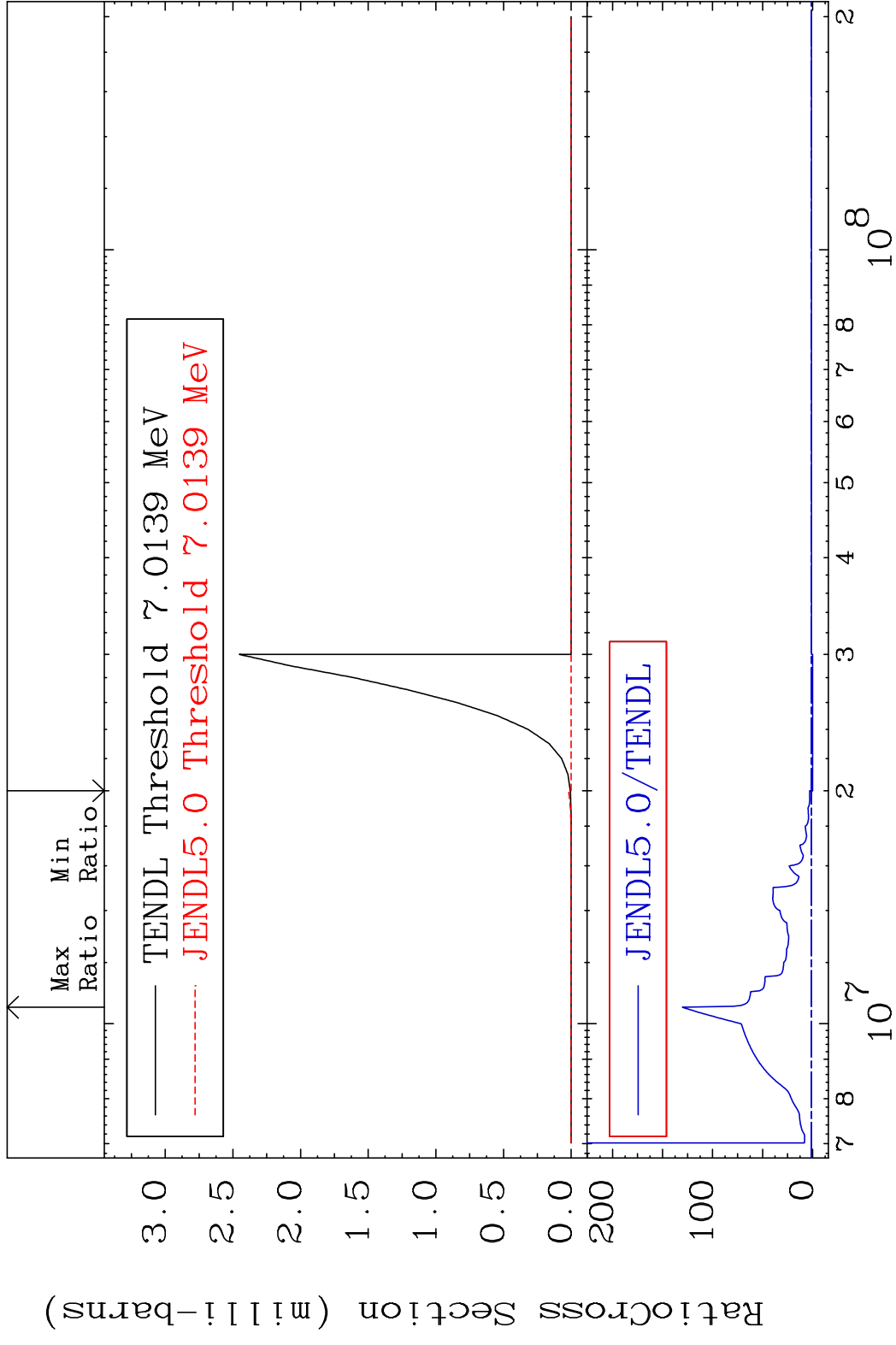
MAT 4519 (n, n')  $\alpha$ :43-Tc-97m1 45-Rh-101  
 Radionuclide Production Cross Section Ratio 9999. %

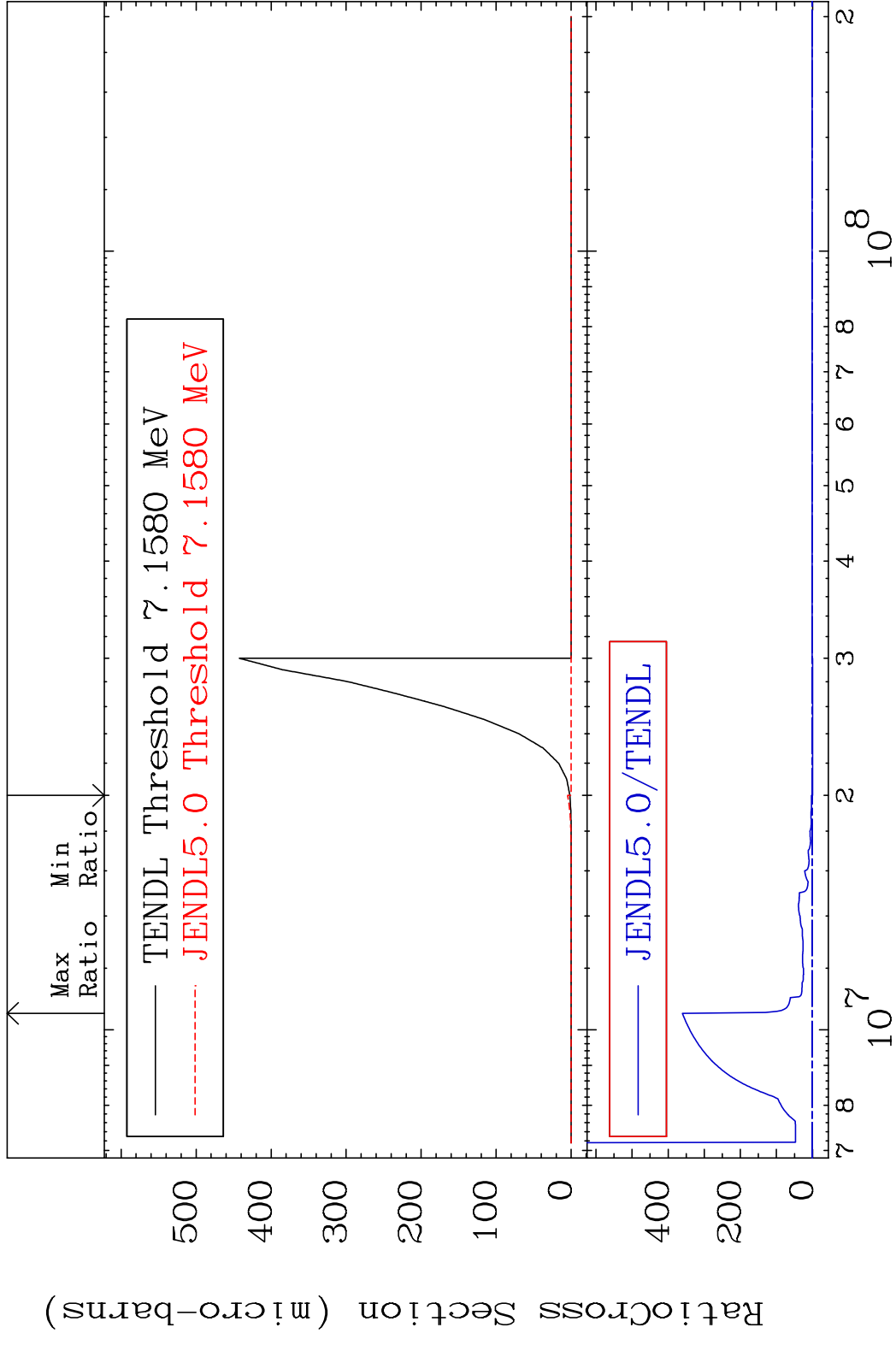


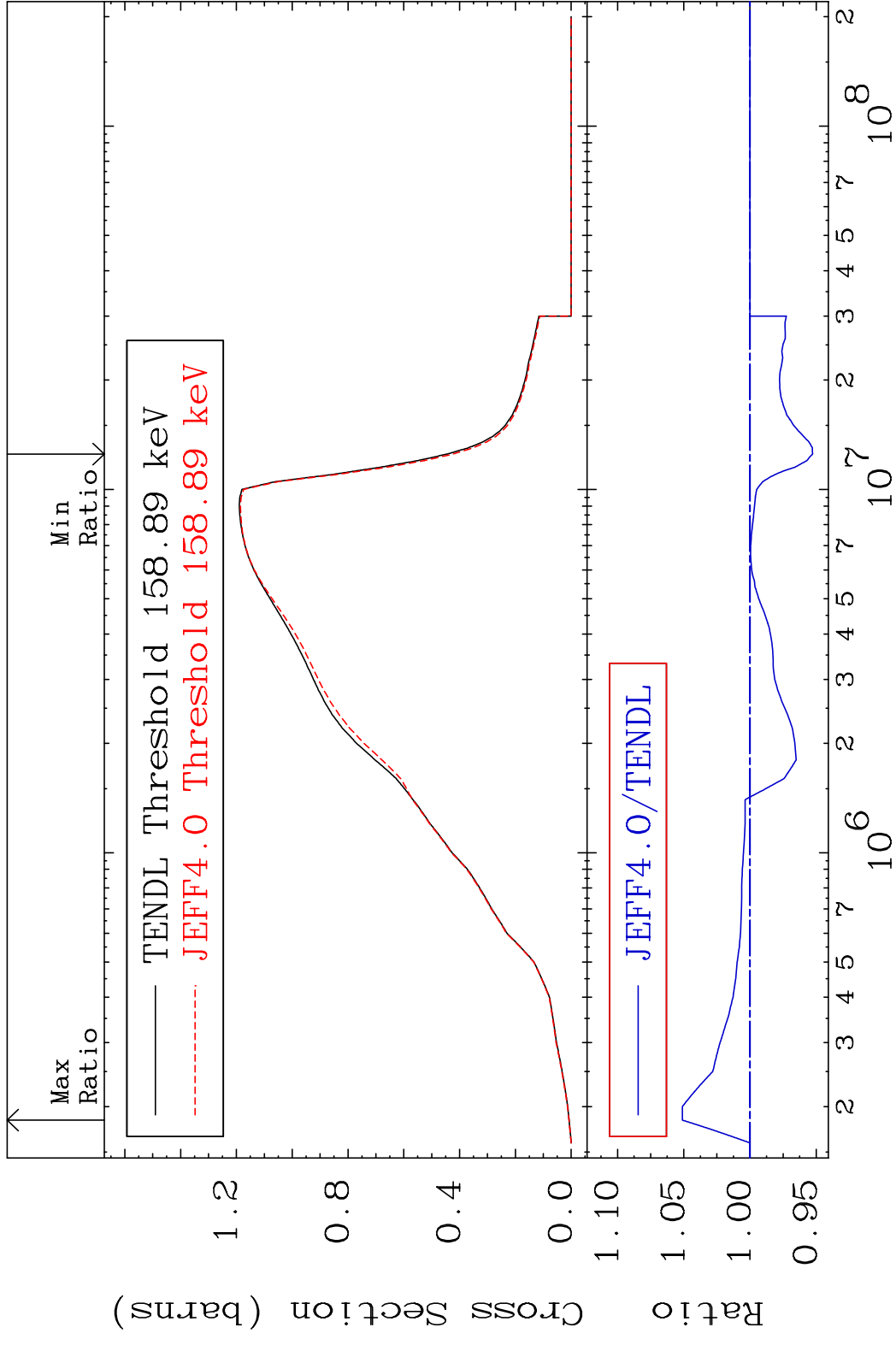


MAT 4519 (n,2n)  $\alpha$ :43-Tc-96m1 45-Rh-101  
 Radionuclide Production Cross Section 1800 dth 1427. %

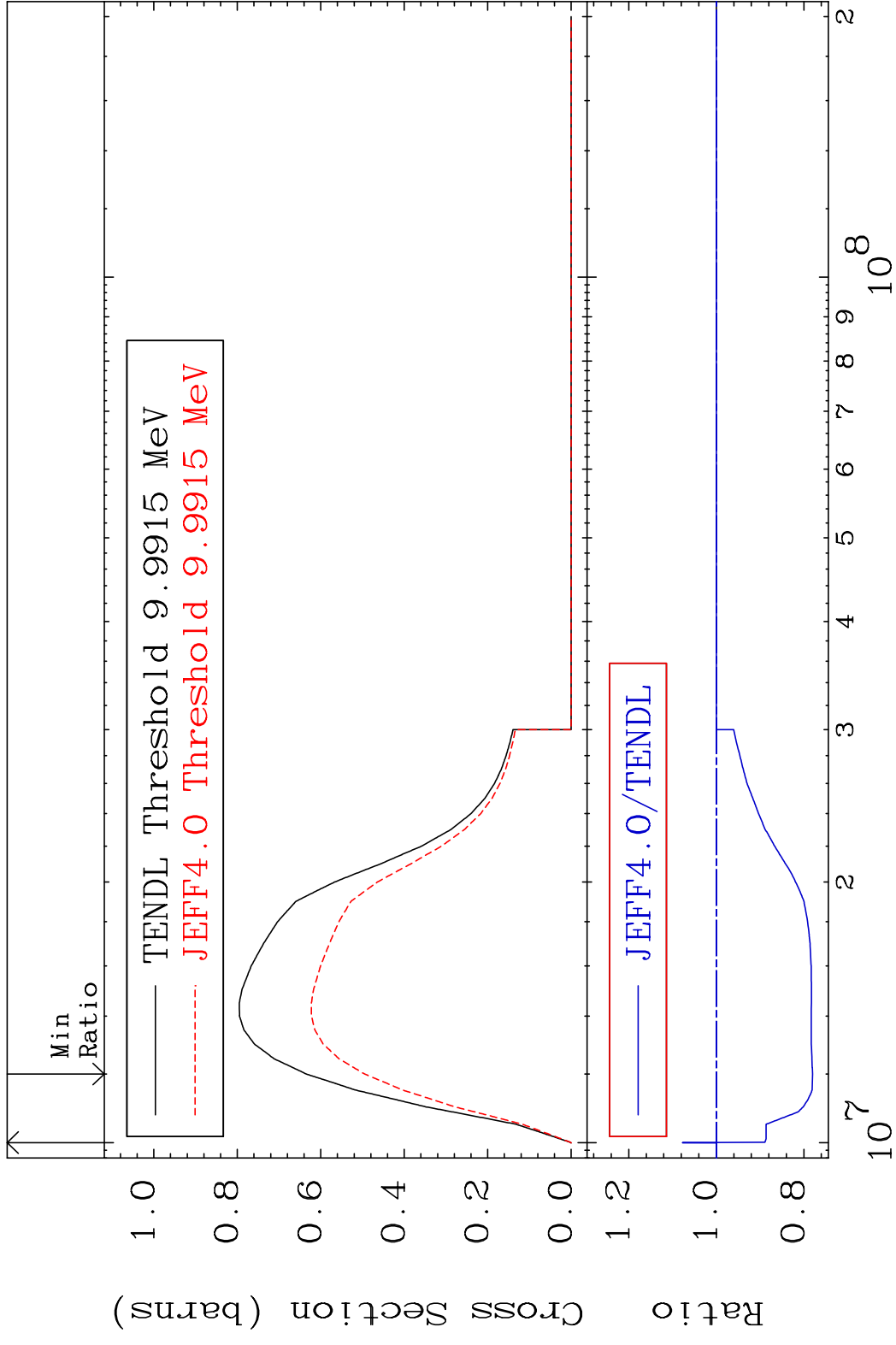


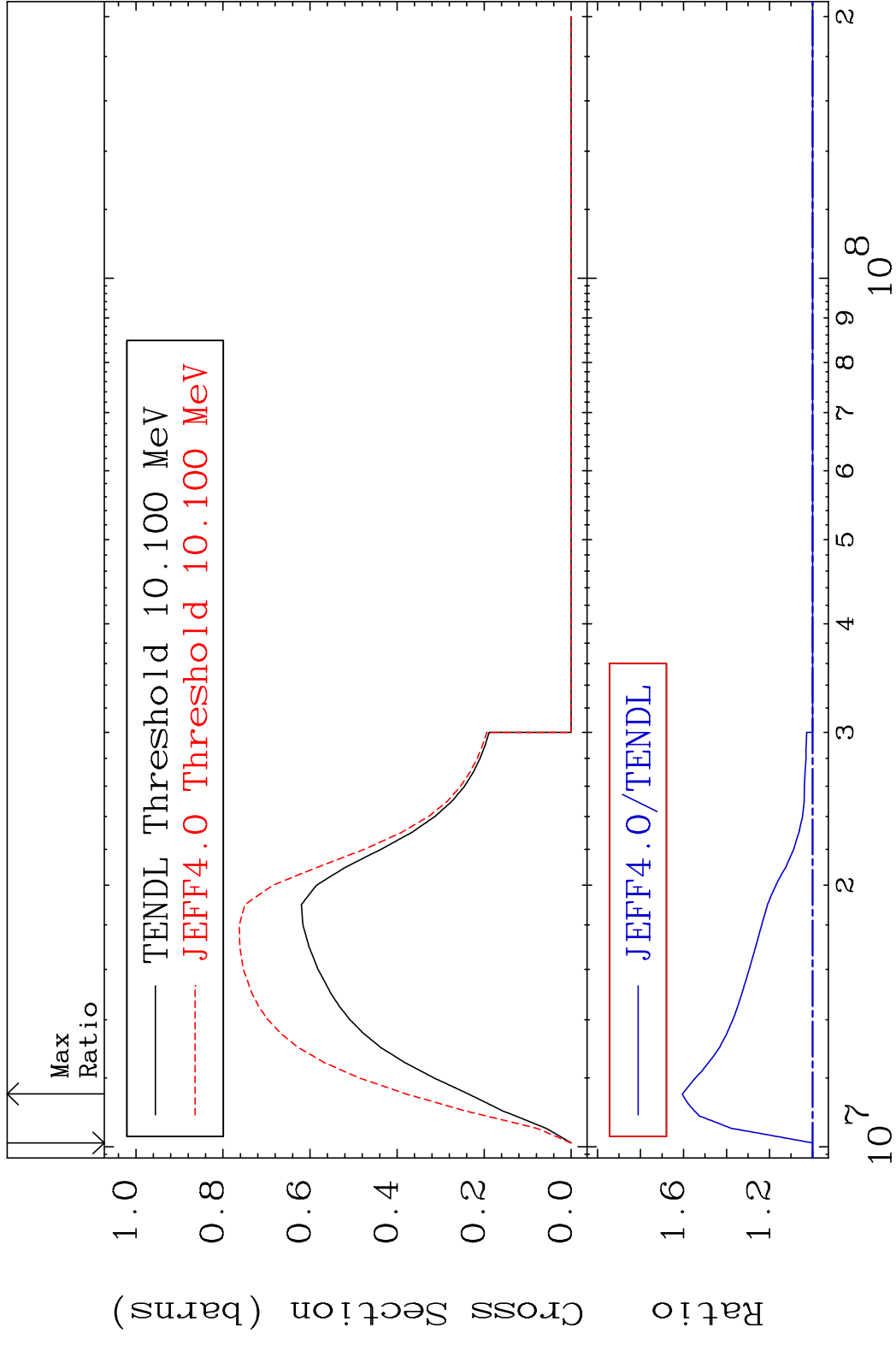


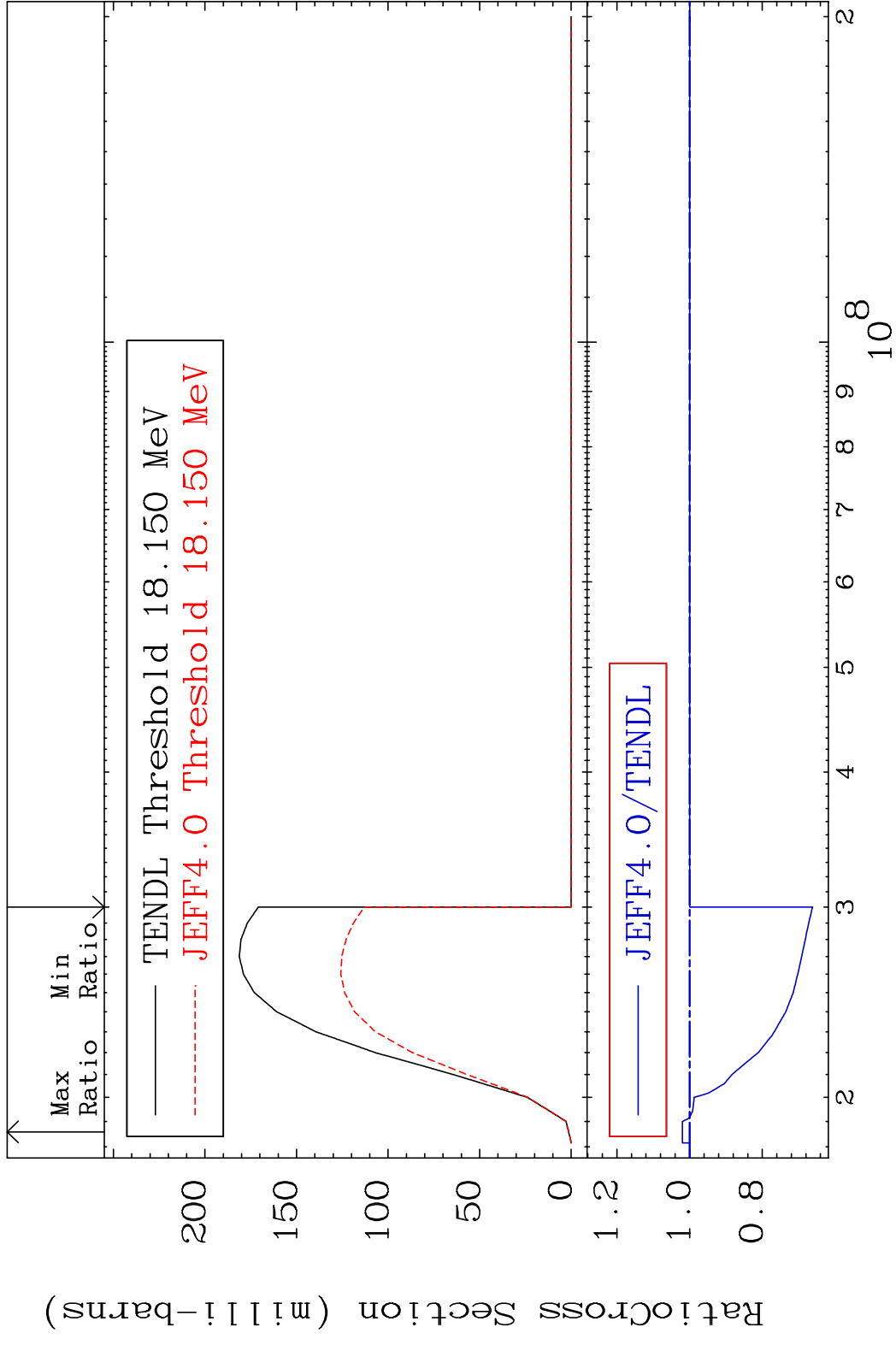




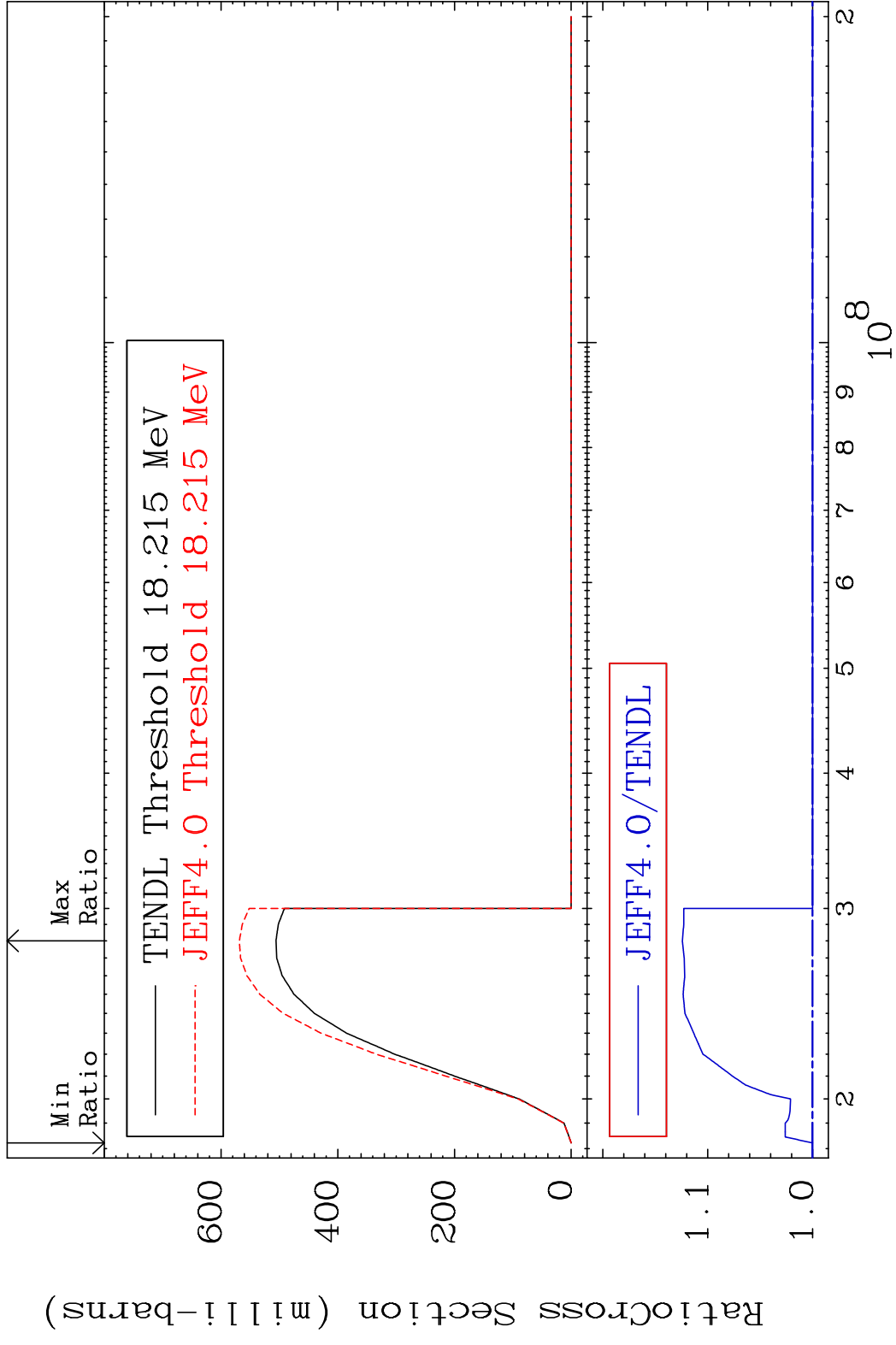
MAT 4519 (n,2n):45-Rh-100g 45-Rh-101  
 Radionuclide Production Cross Section 7.759 %

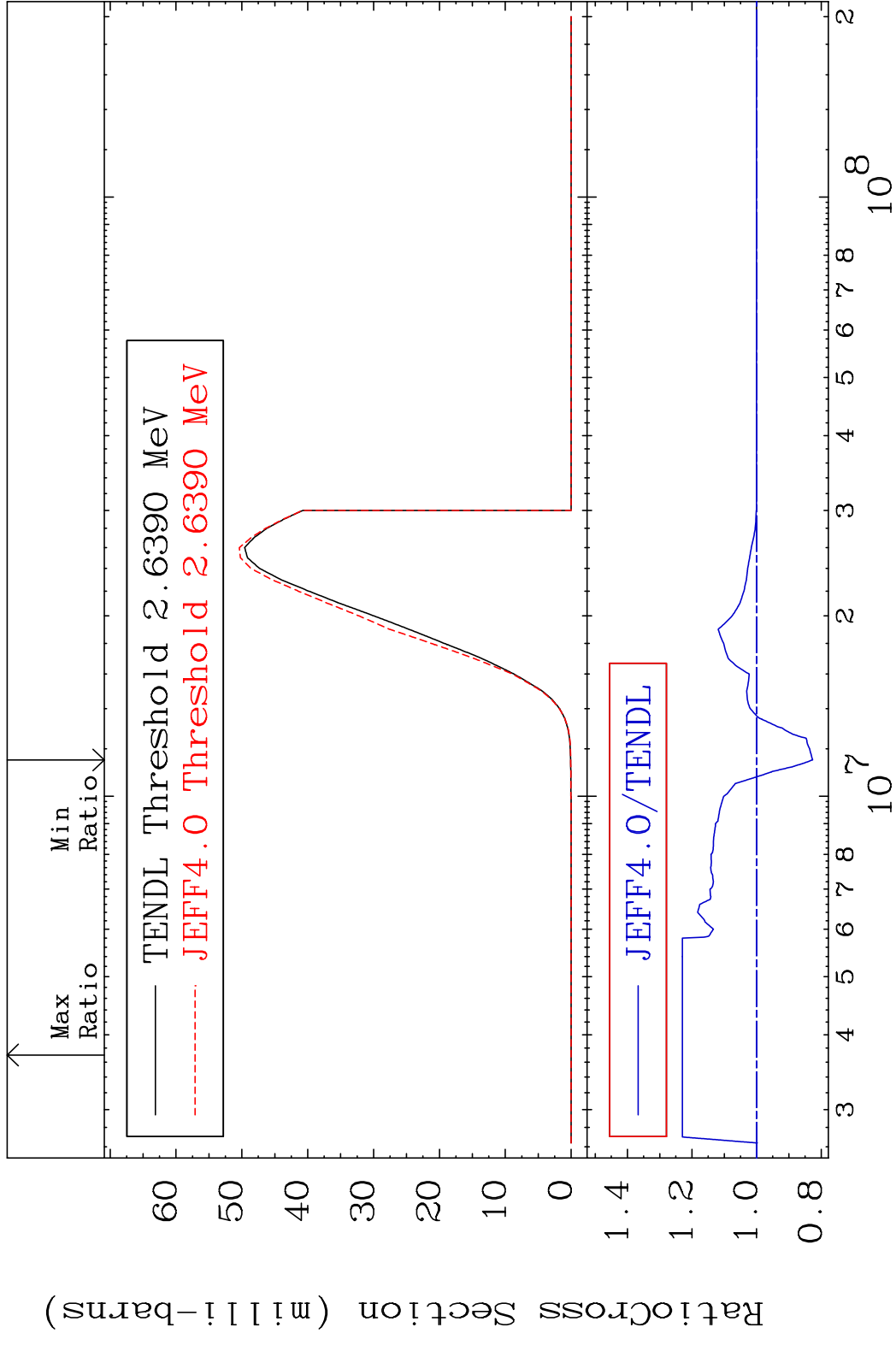




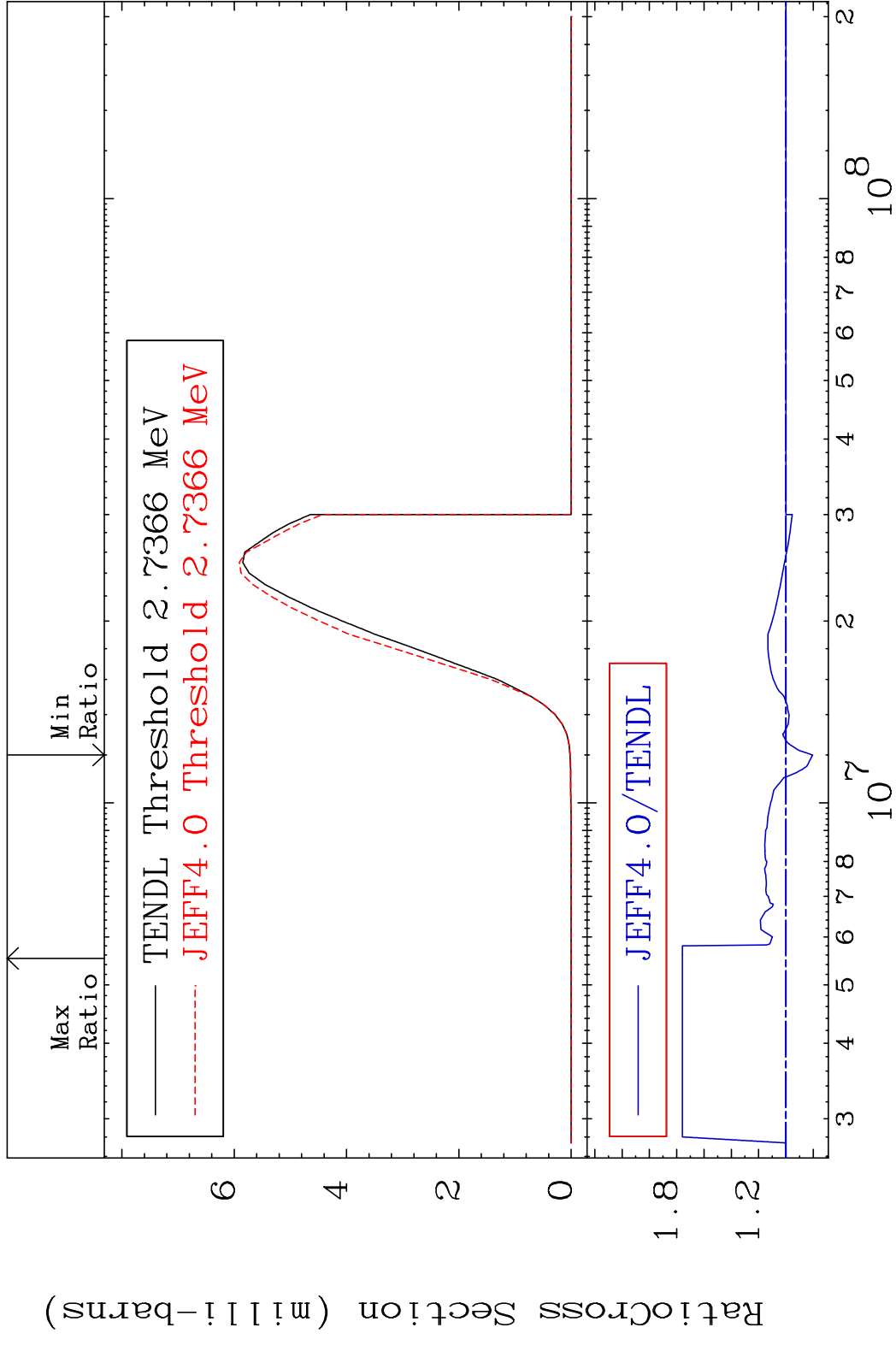


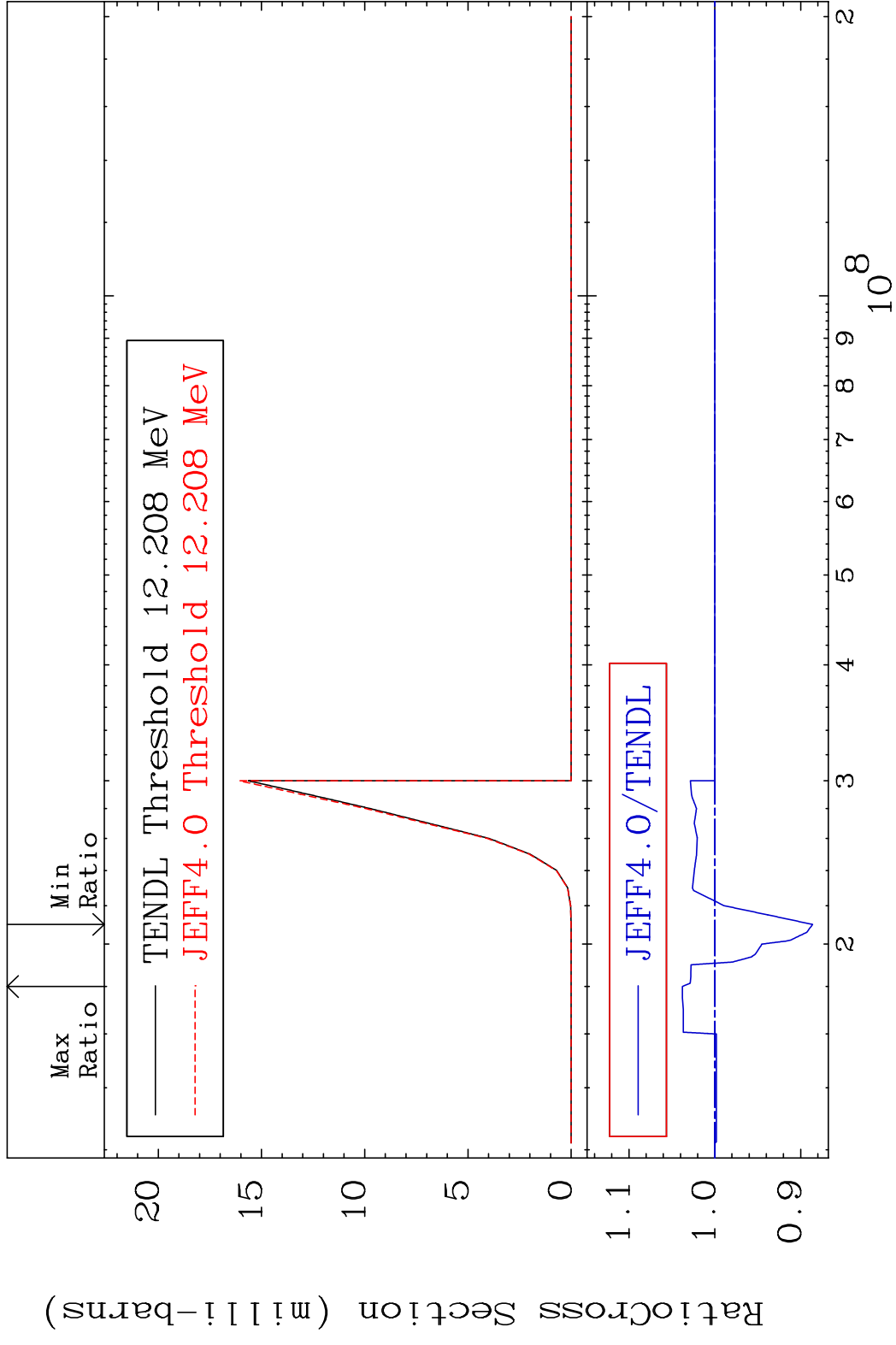
MAT 4519 (n,3n):45-Rh-99m1 45-Rh-101  
 Radionuclide Production Cross Section 12.42 %

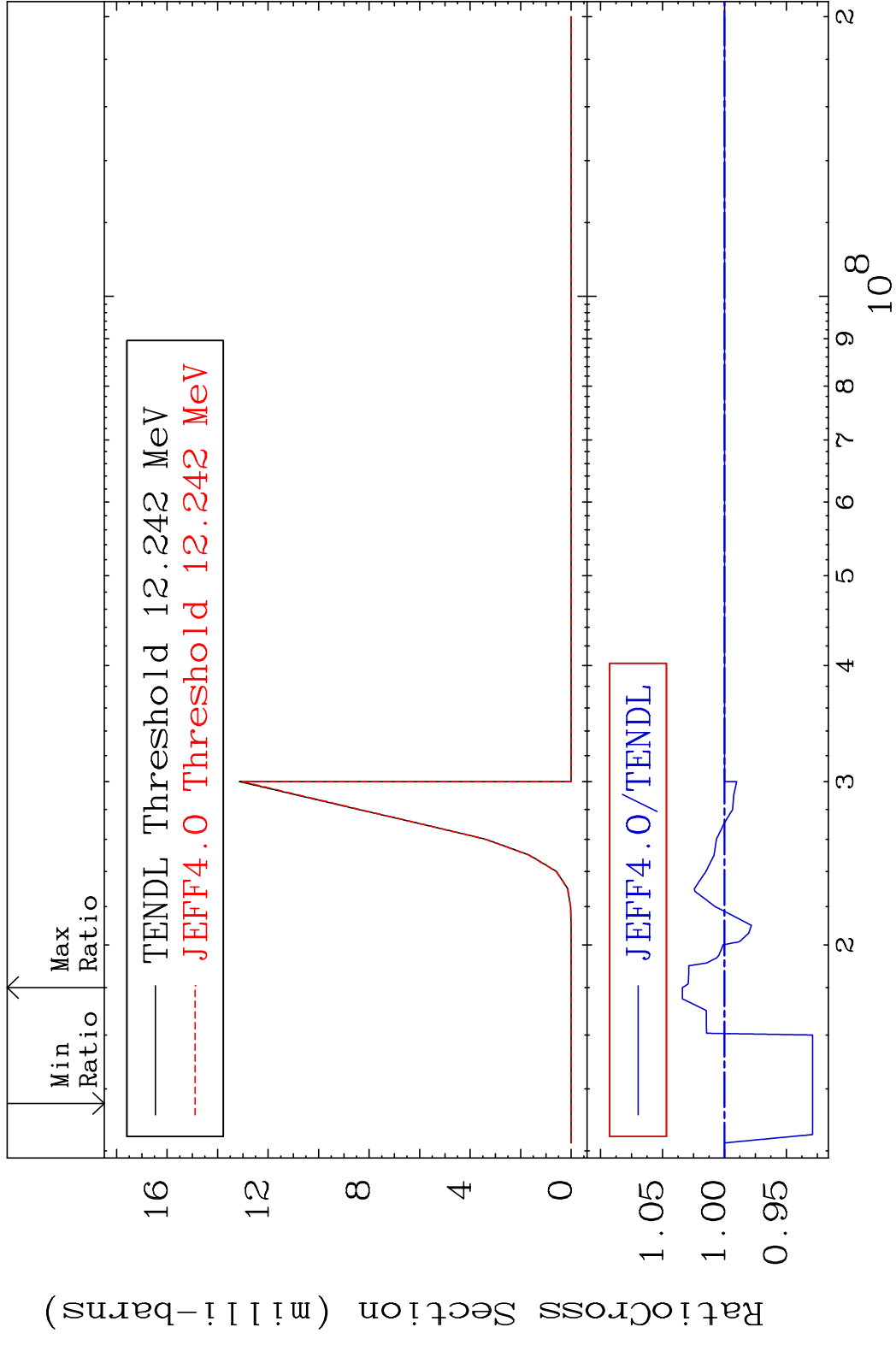




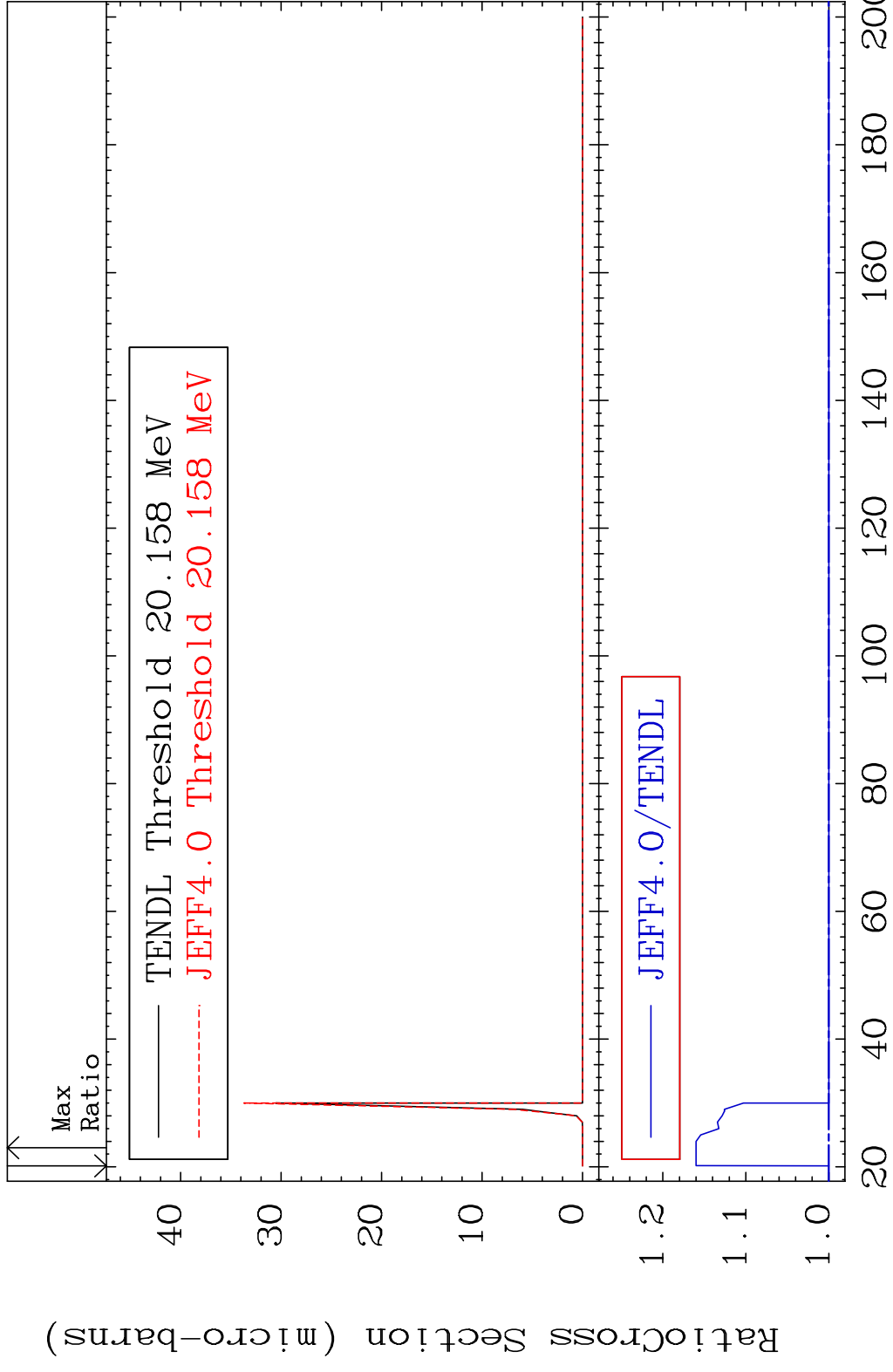
MAT 4519 (n, n')  $\alpha$ :43-Tc-97m1 45-Rh-101  
 Radionuclide Production Cross Section 19e481d10 75.86 %



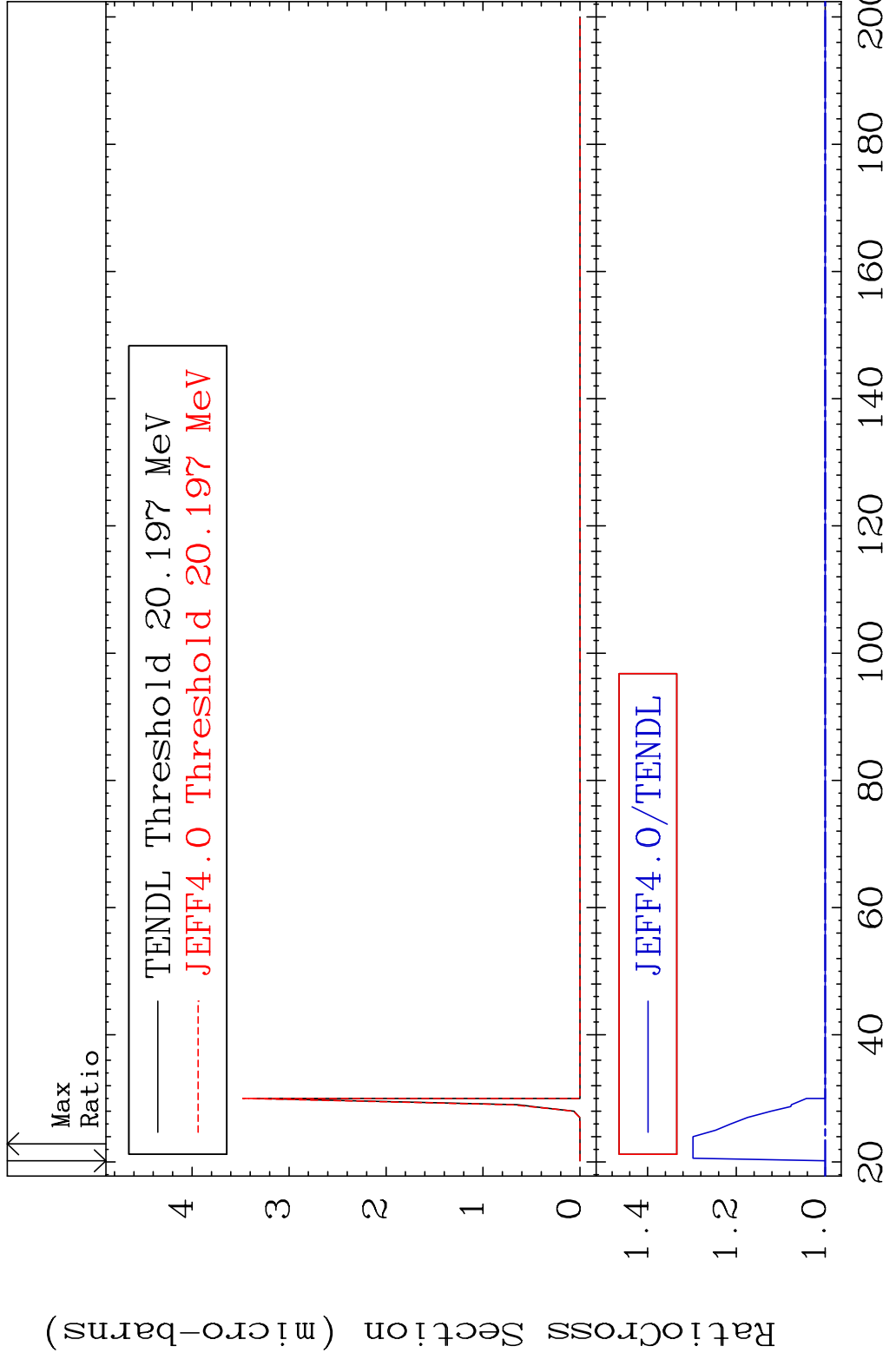




MAT 4519 (n,3n)  $\alpha$ :43-Tc-95g 45-Rh-101  
 Radionuclide Production Cross Section 16.00 %

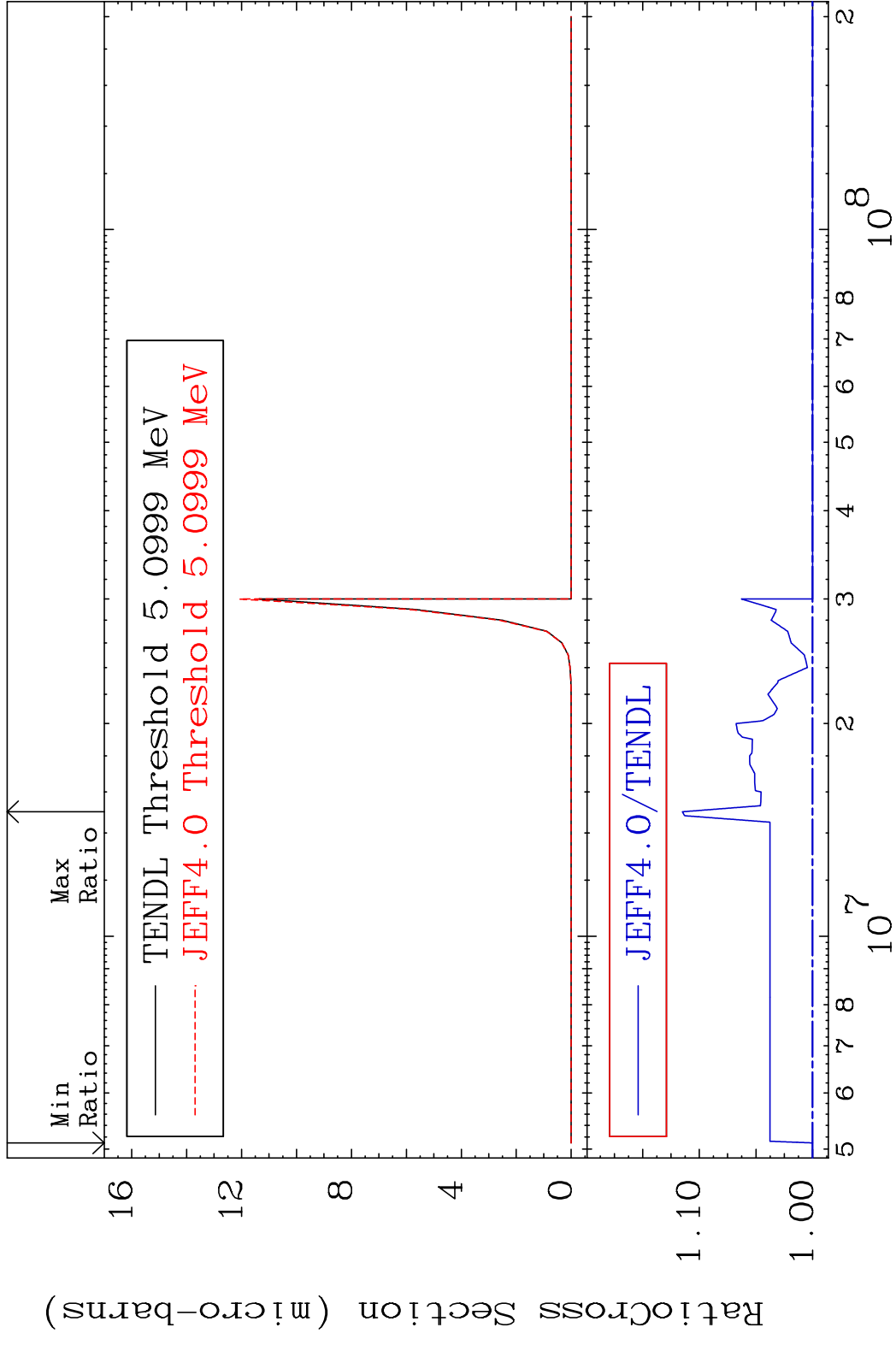


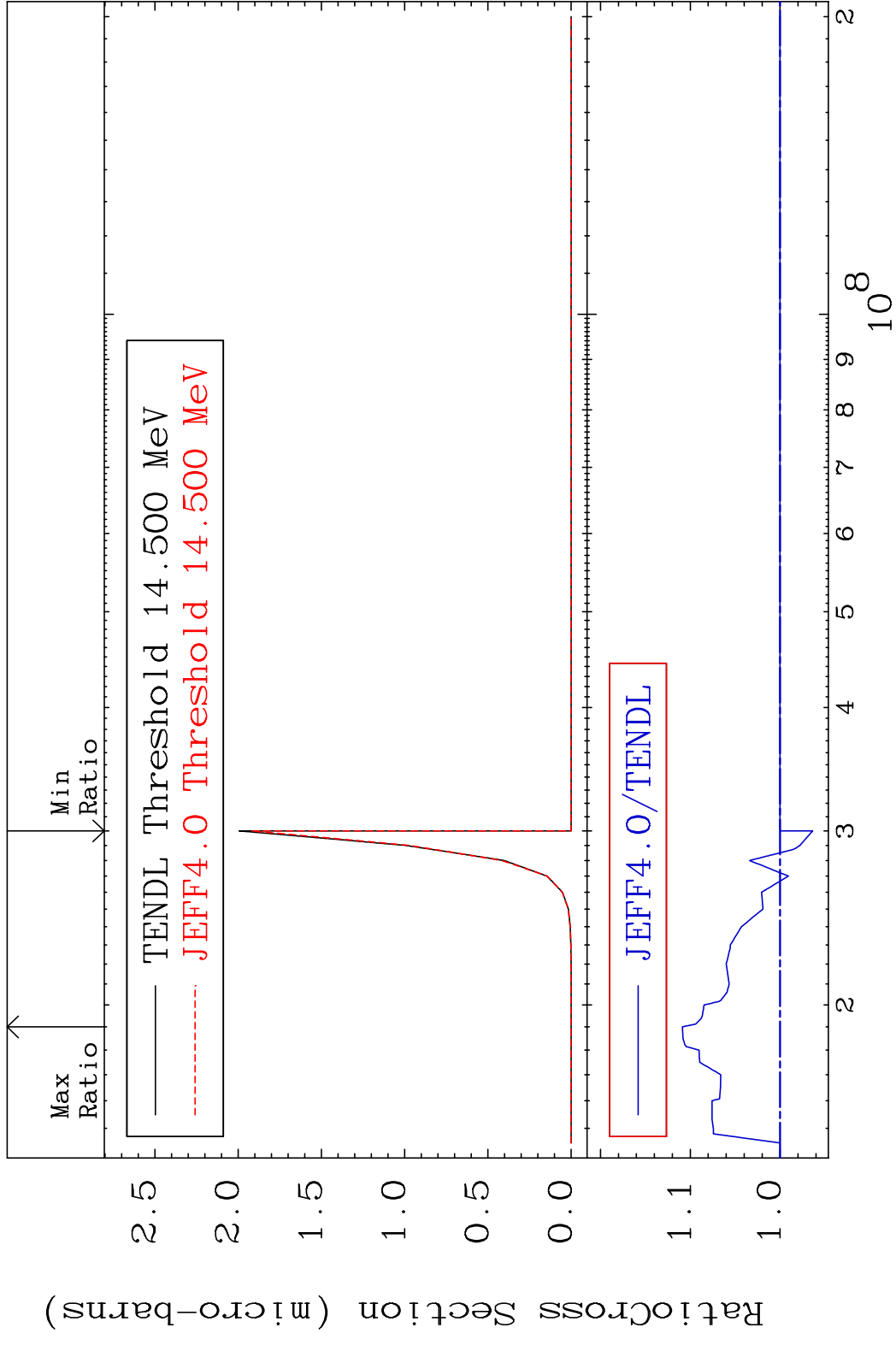
MAT 4519 (n,3n)  $\alpha$ :43-Tc-95m1 45-Rh-101  
 Radionuclide Production Cross Section 29.78 %



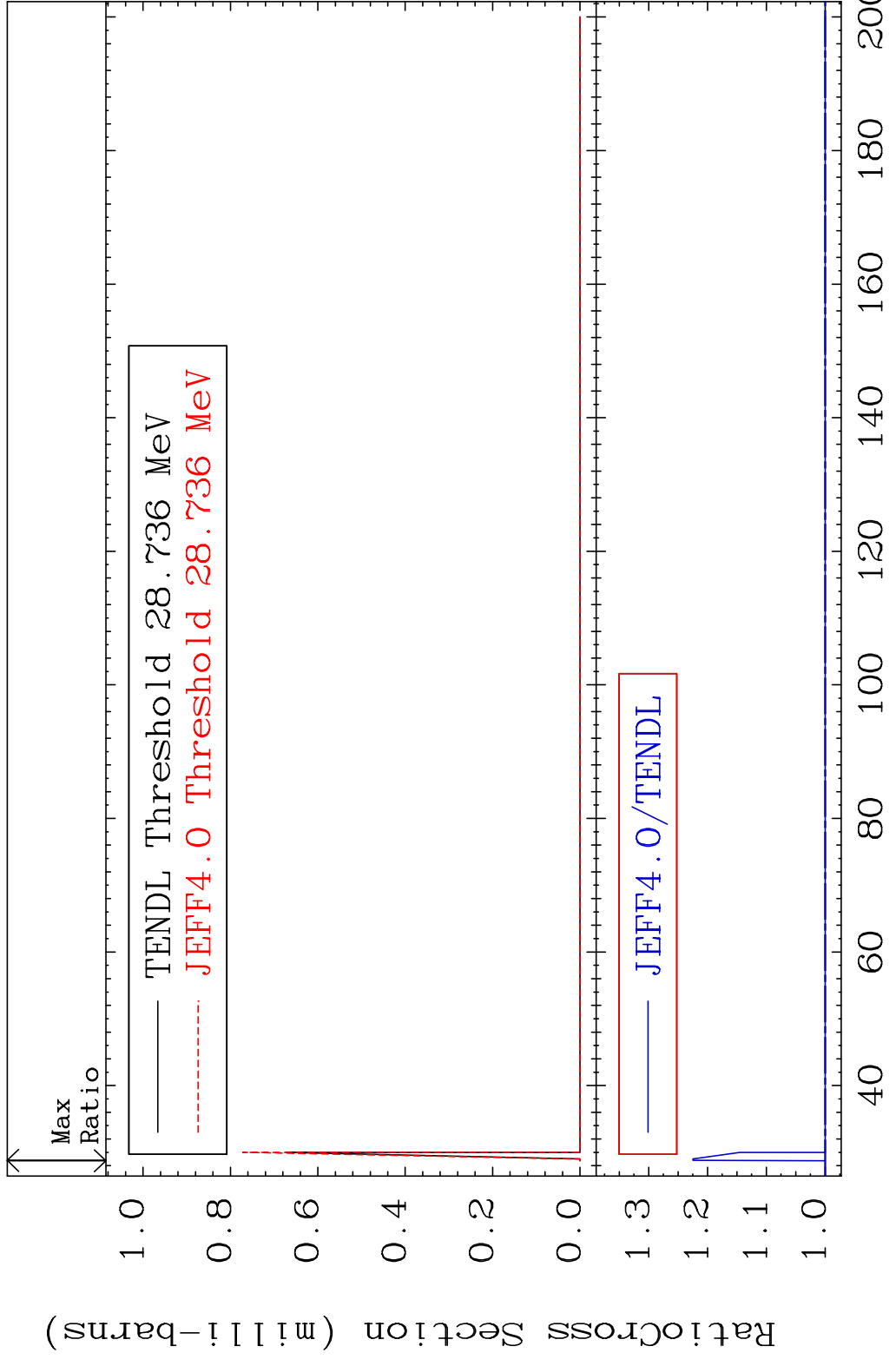
90 Incident Energy (MeV) 45-Rh-101

MAT 4519 (n, n') 2α:41-Nb-93g 45-Rh-101  
 Radionuclide Production Cross Section 11.50 %

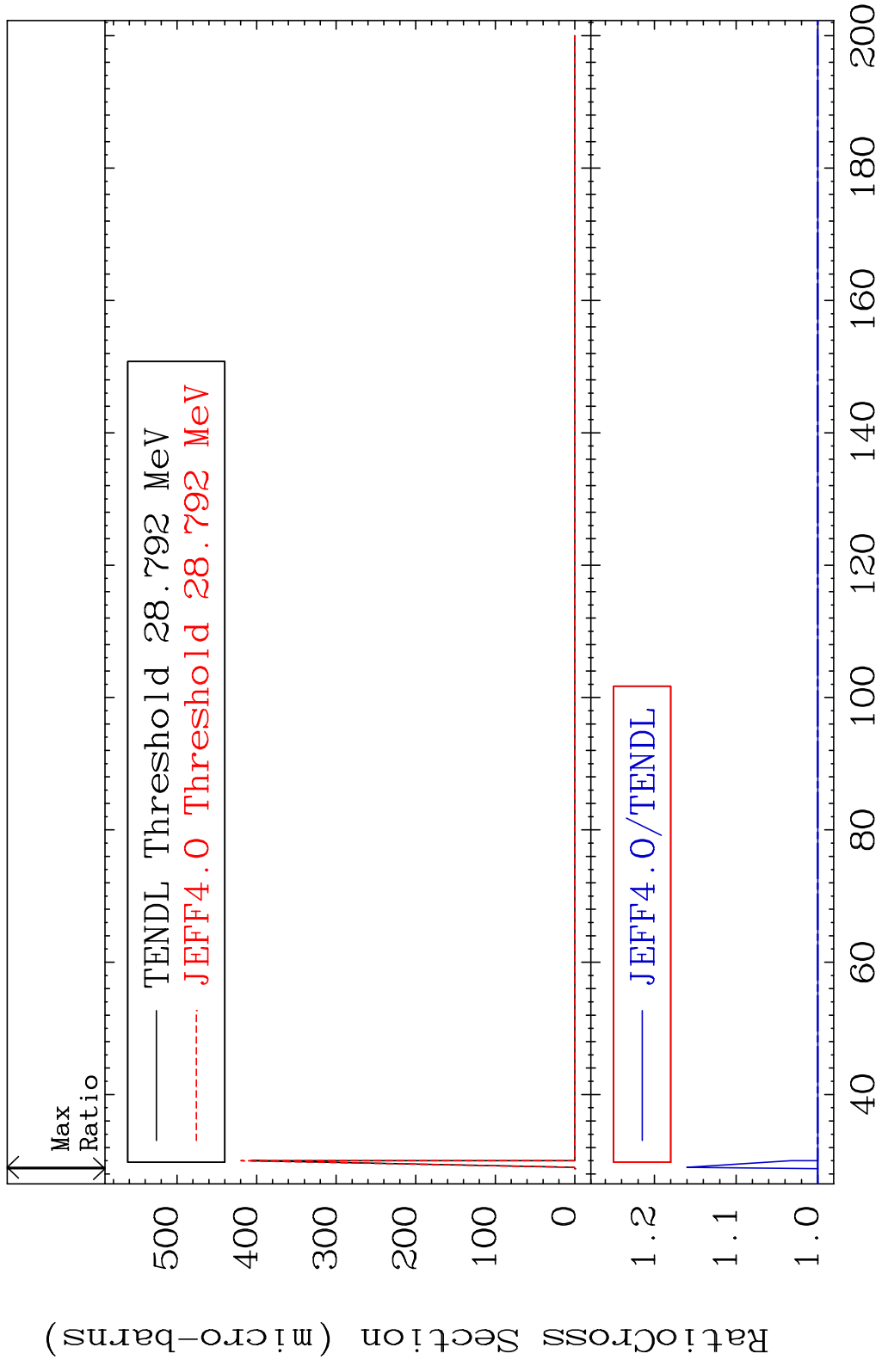


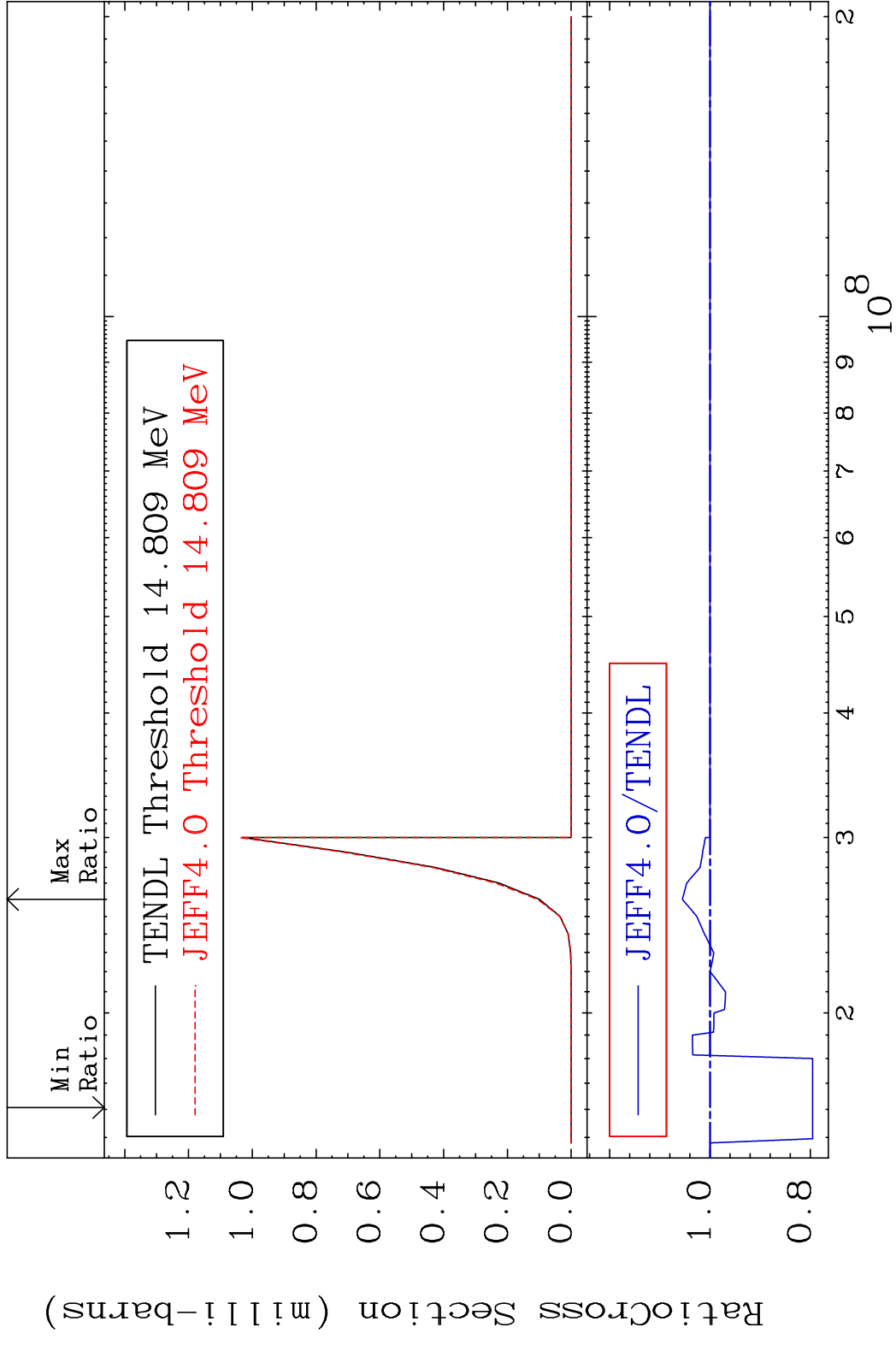


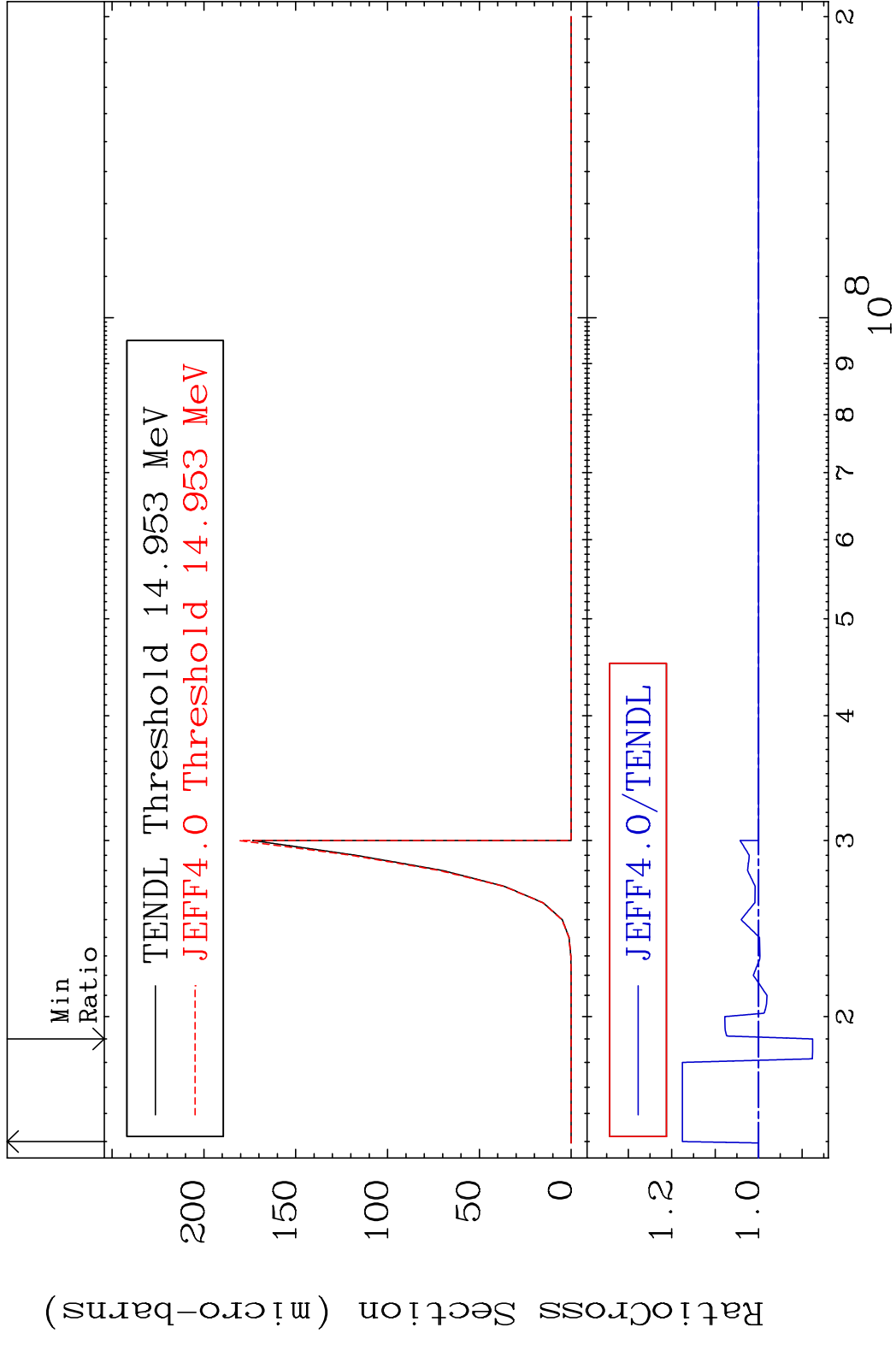
MAT 4519 (n,4n):45-Rh-98g 45-Rh-101  
 Radionuclide Production Cross Section 22.48 %

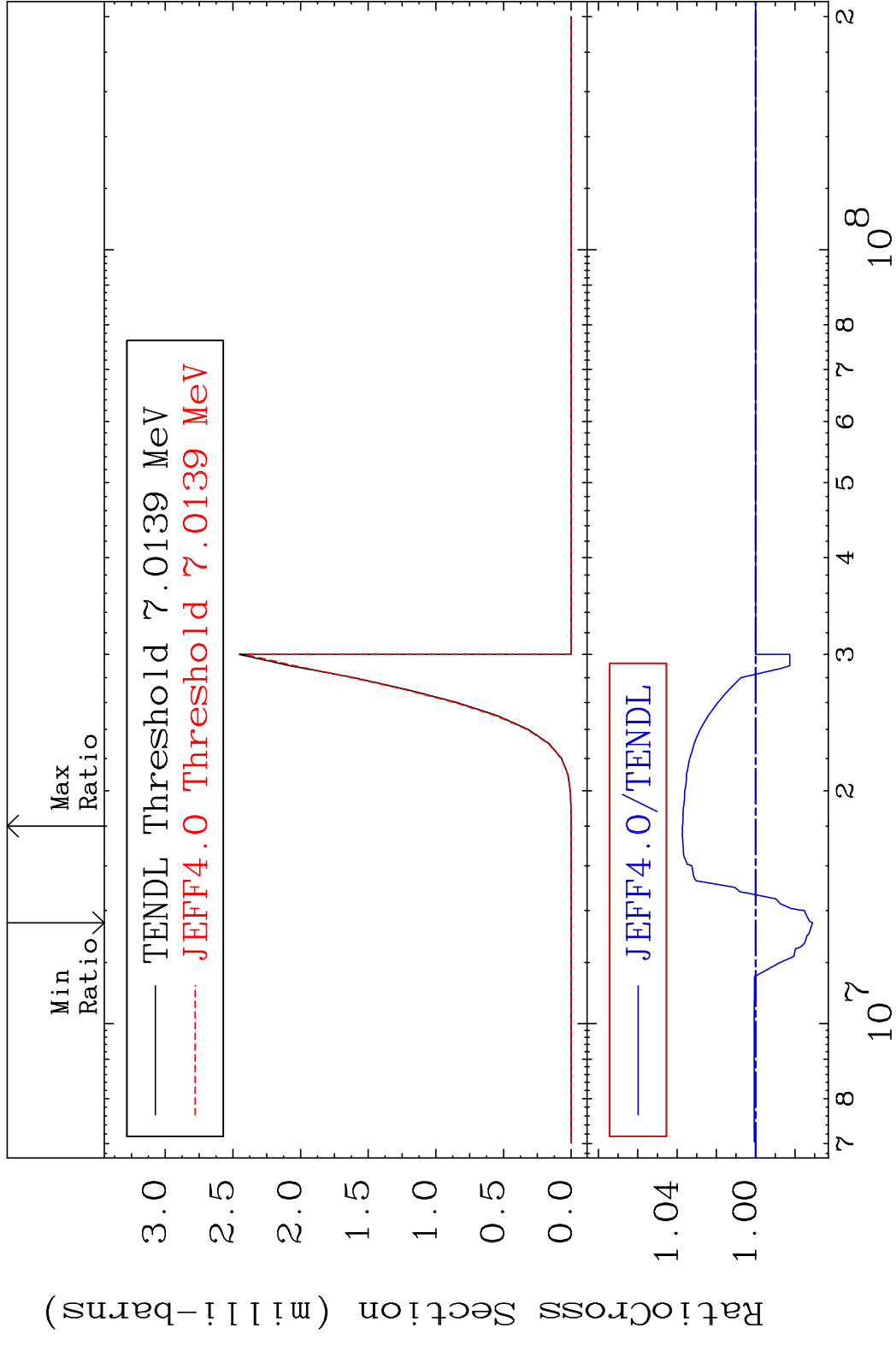


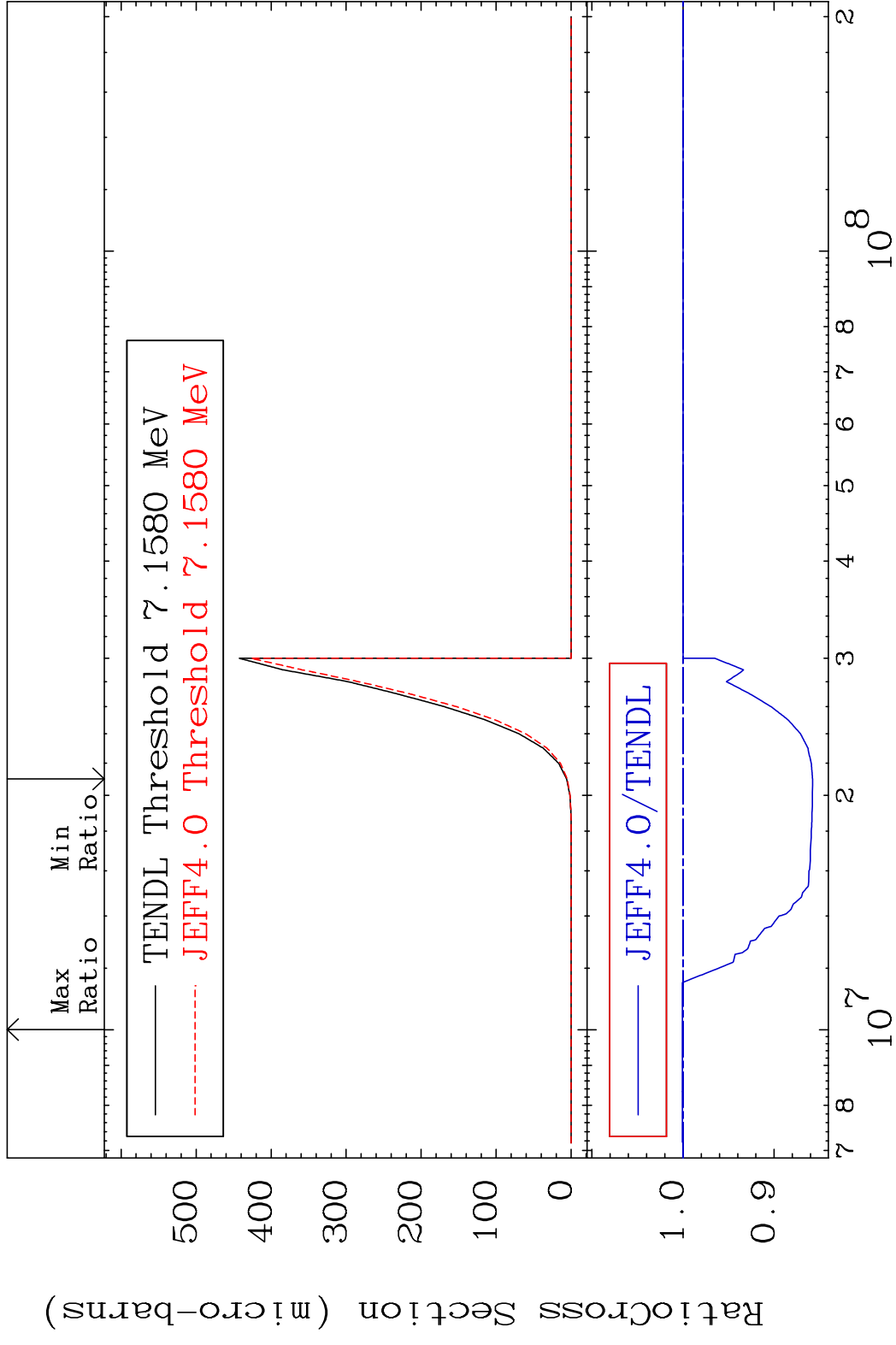
MAT 4519 (n,4n):45-Rh-98m2 45-Rh-101  
 Radionuclide Production Cross Section 16.04 %



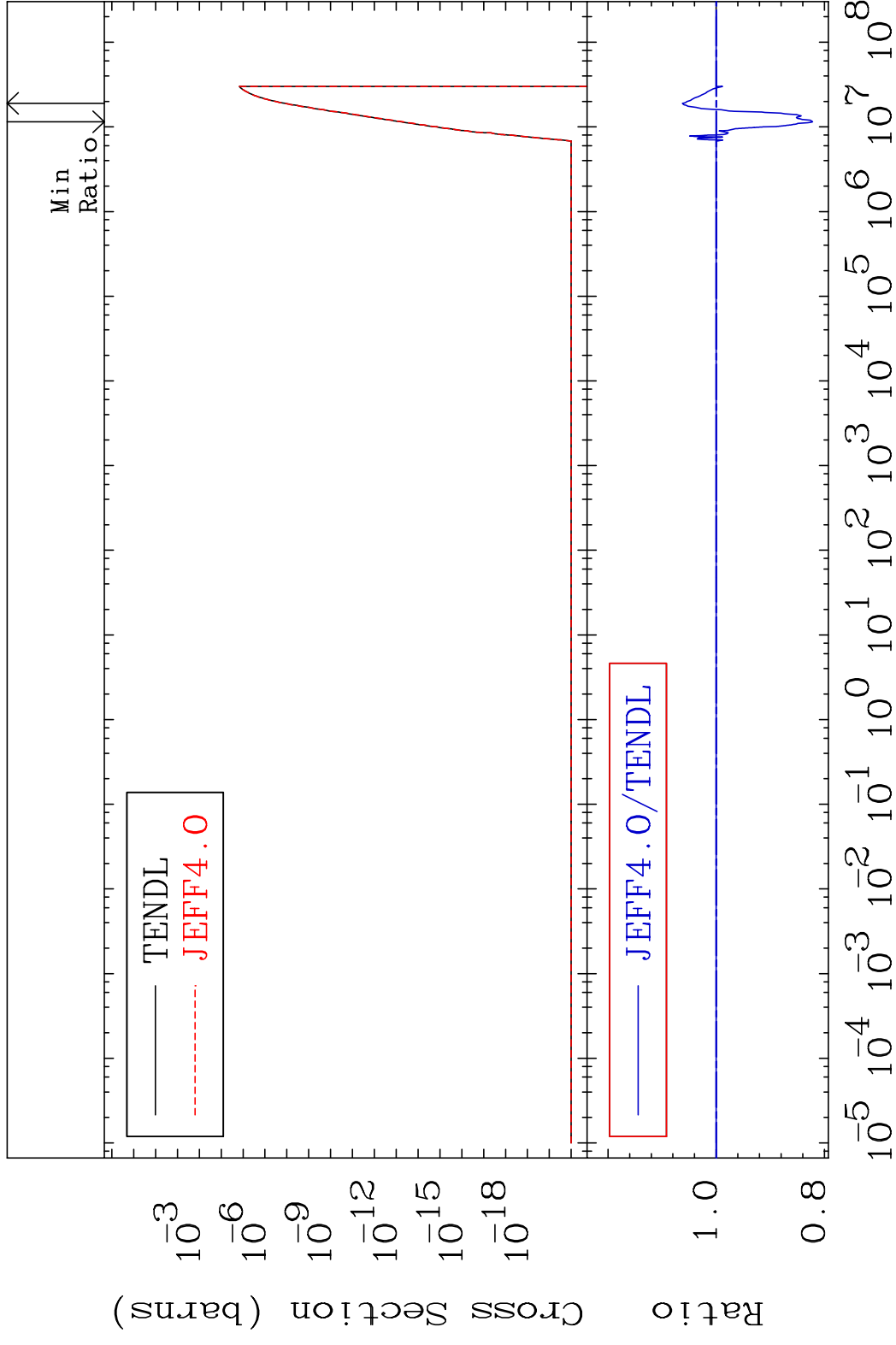




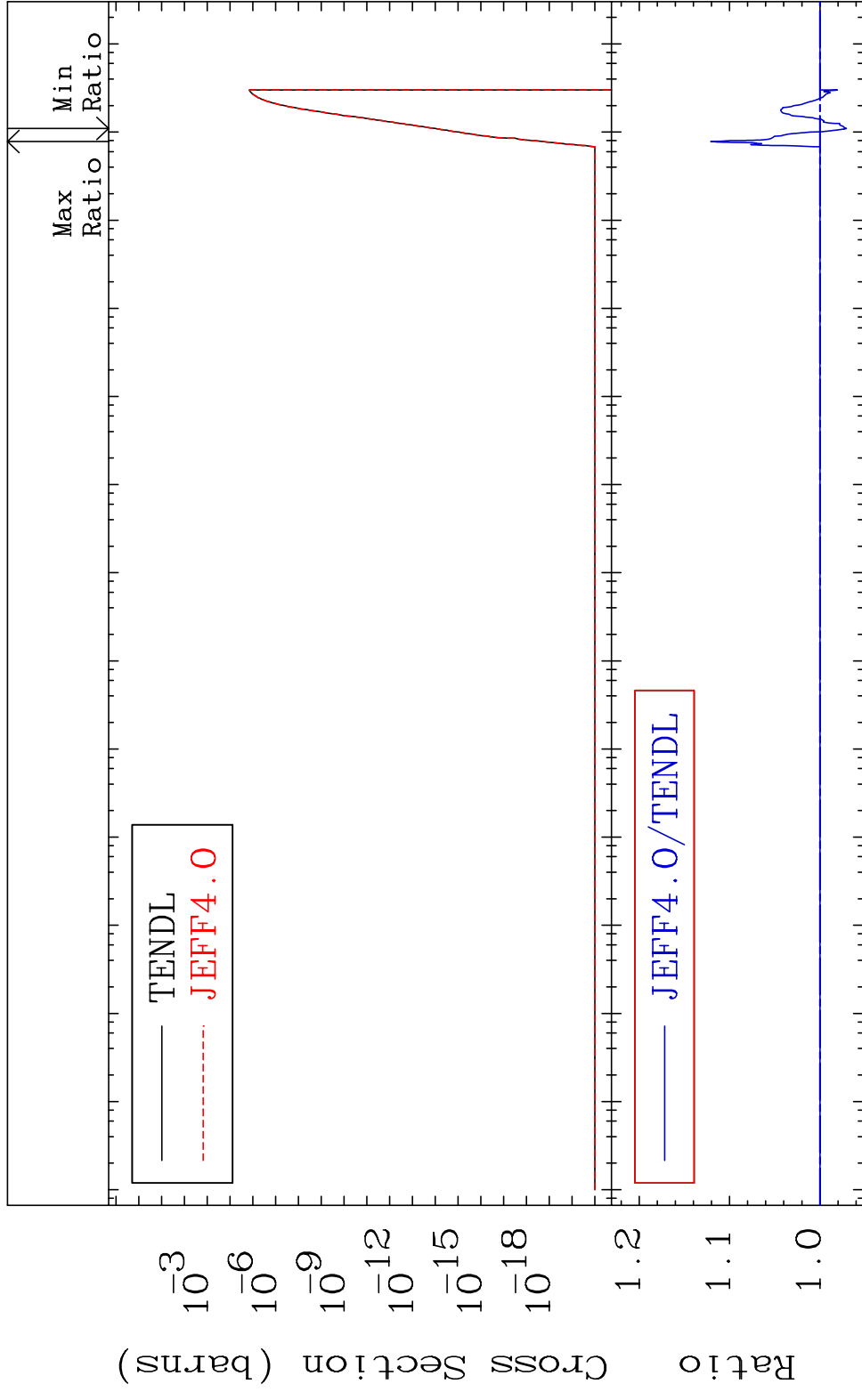




MAT 4519 (n,2α):41-Nb-94g 45-Rh-101  
 Radionuclide Production Cross Section 6.256 %



MAT 4519 (n,2α):41-Nb-94m1 45-Rh-101  
 Radionuclide Production Cross Section 12.09 %



100 Incident Energy (eV) 45-Rh-101

MAT 4519 (n,p) d:43-Tc-99g 45-Rh-101  
 Radionuclide Production Cross Section 0.000 %

