

Program Complot  
(Version 2021-1)

by

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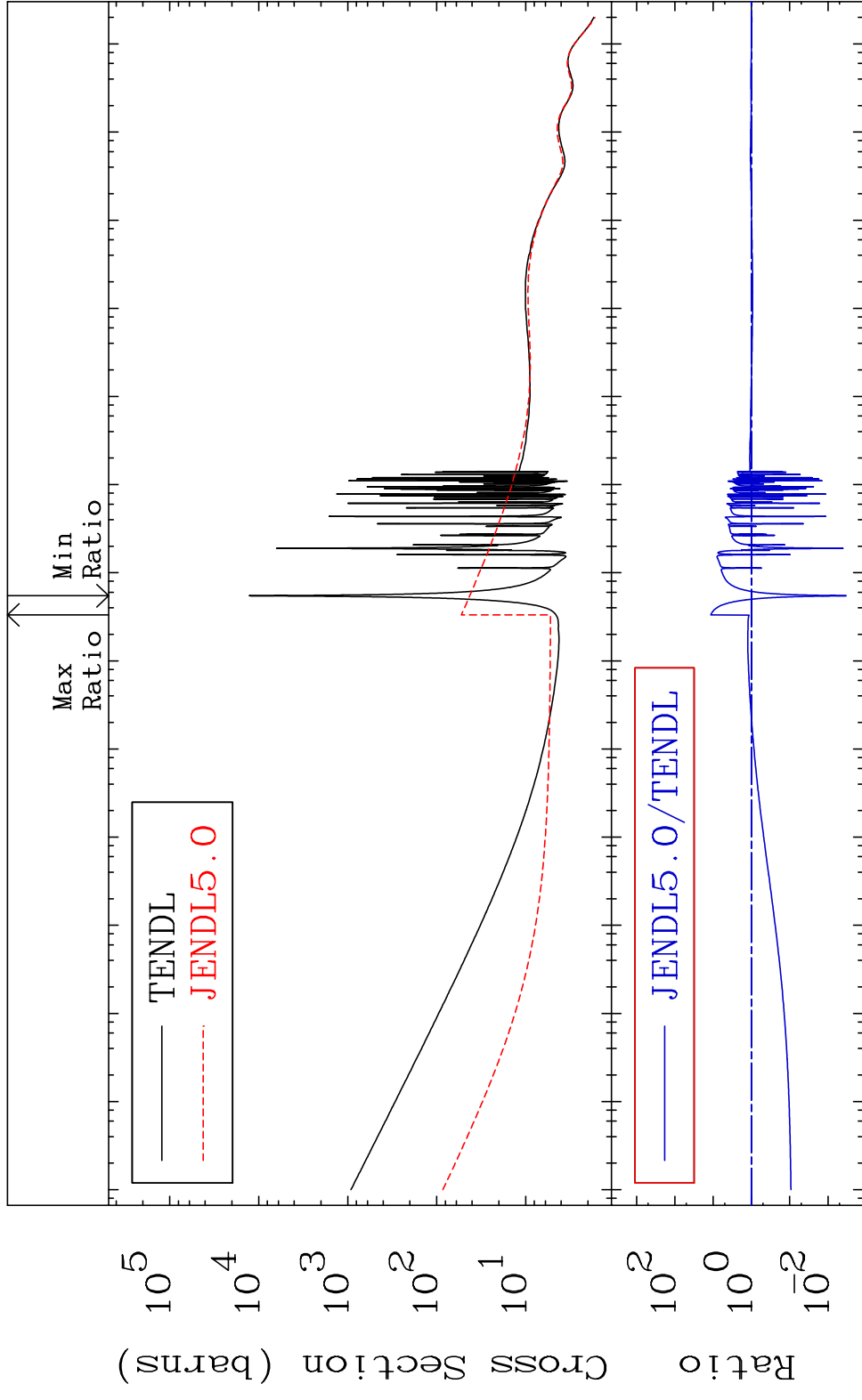
Press Mouse Button to Start

MAT 4513

45-Rh-99

Total

Cross Section -99.67 To 1057. %



10<sup>5</sup> 10<sup>4</sup> 10<sup>3</sup> 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 10<sup>-1</sup> 10<sup>-2</sup> 10<sup>-3</sup> 10<sup>-4</sup> 10<sup>-5</sup>

10<sup>8</sup> 10<sup>7</sup> 10<sup>6</sup> 10<sup>5</sup> 10<sup>4</sup> 10<sup>3</sup> 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 10<sup>-1</sup> 10<sup>-2</sup> 10<sup>-3</sup> 10<sup>-4</sup> 10<sup>-5</sup>

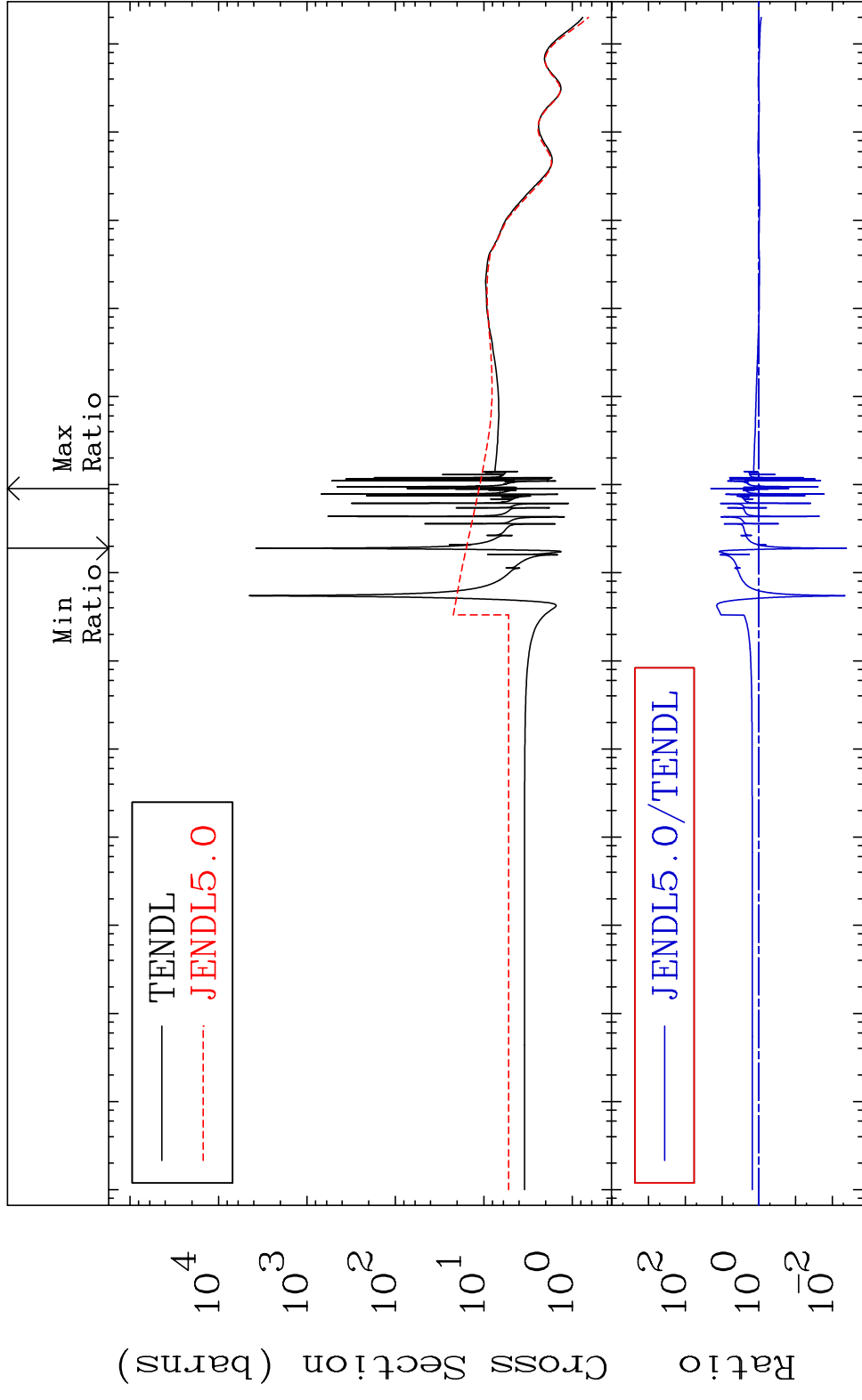
1

Incident Energy (eV)

45-Rh-99

MAT 4513

Elastic Cross Section -99.59 To 1938. %  
45-Rh-99

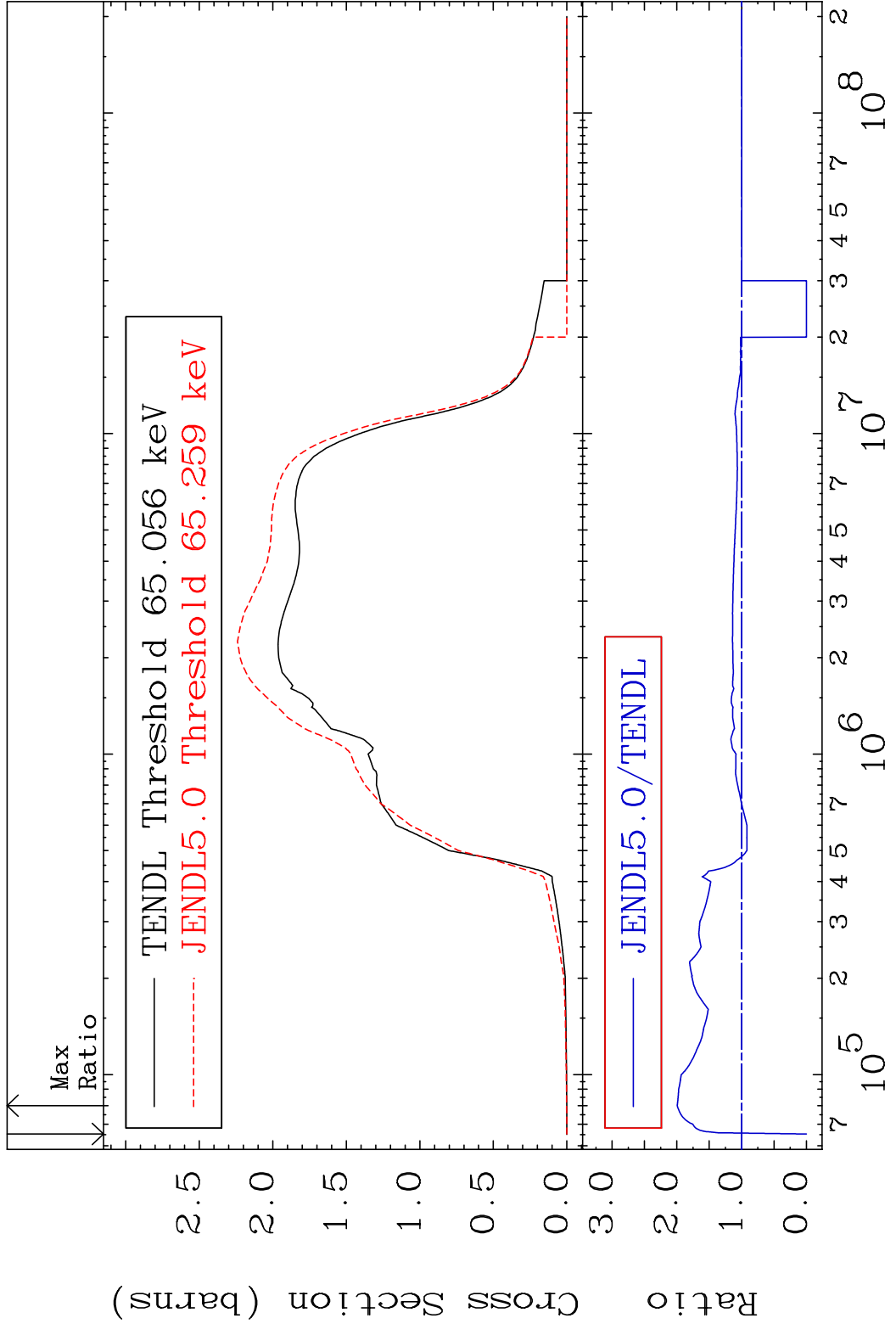


2

Incident Energy (eV)

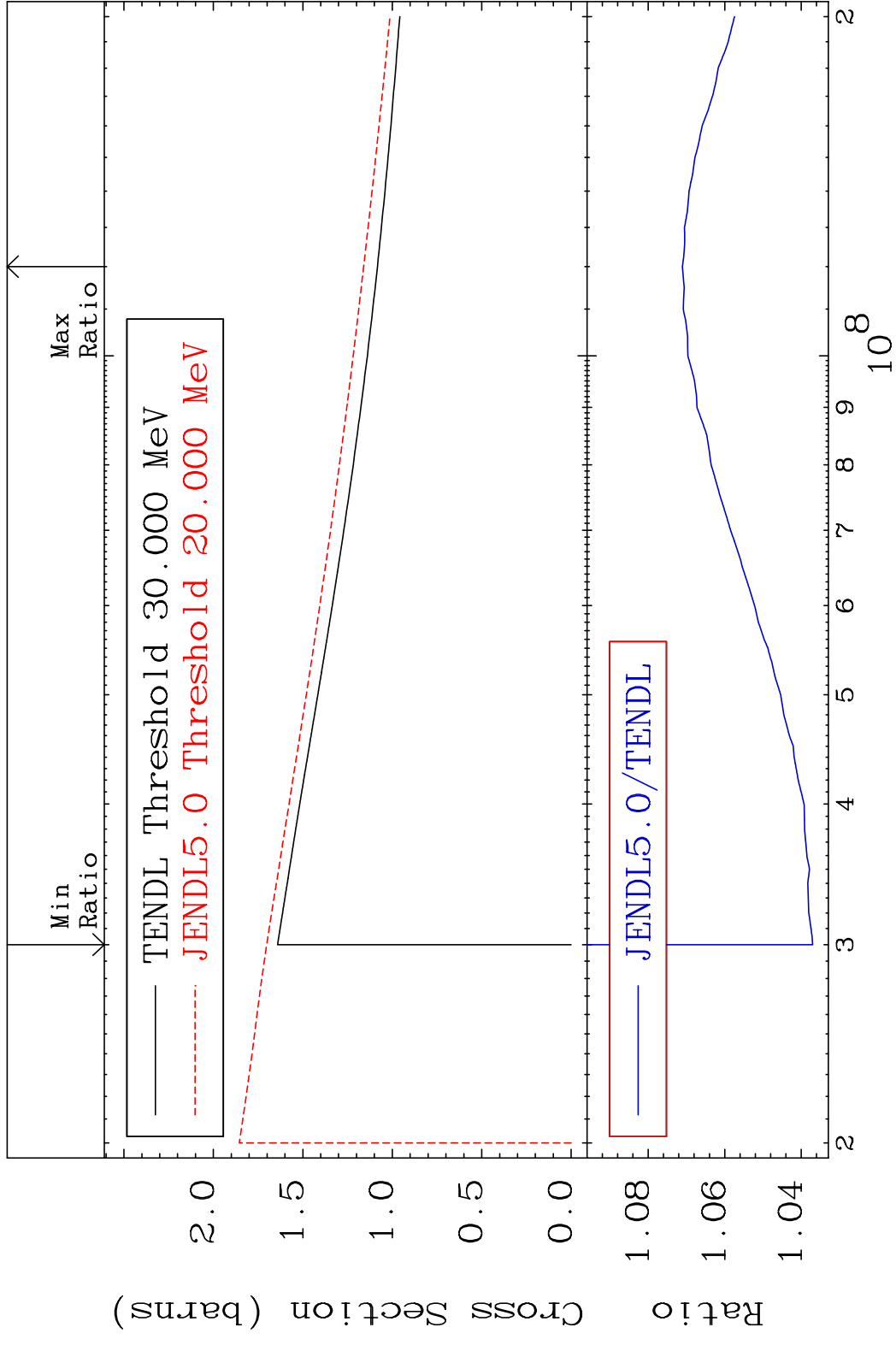
45-Rh-99

MAT 4513 Inelastic 45-Rh-99  
 Cross Section -100.0 To 99.46 %



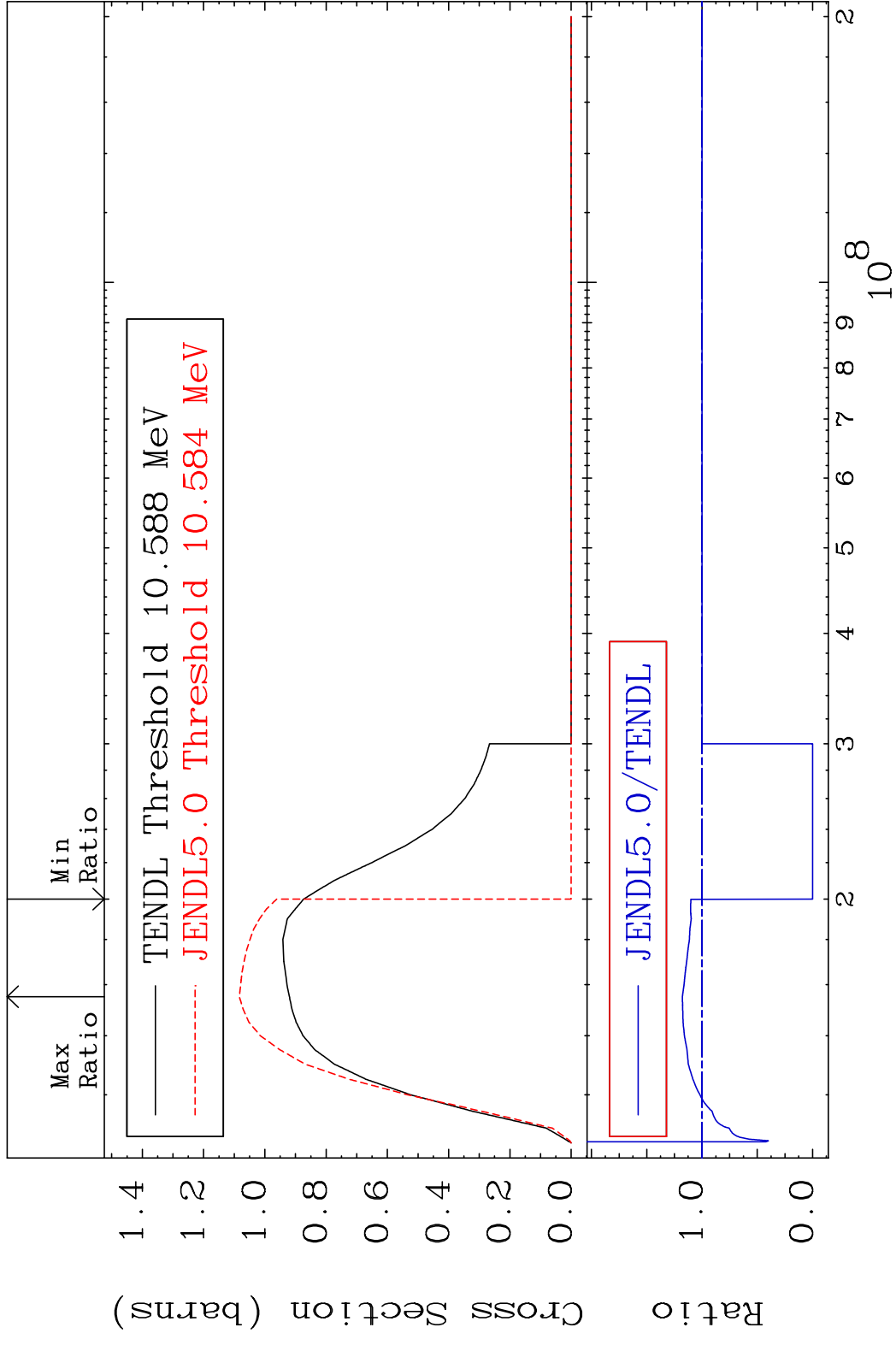
3 Incident Energy (eV) 45-Rh-99

MAT 4513 (n, remainder) 45-Rh-99  
 Cross Section 3.703 To 7.108 %

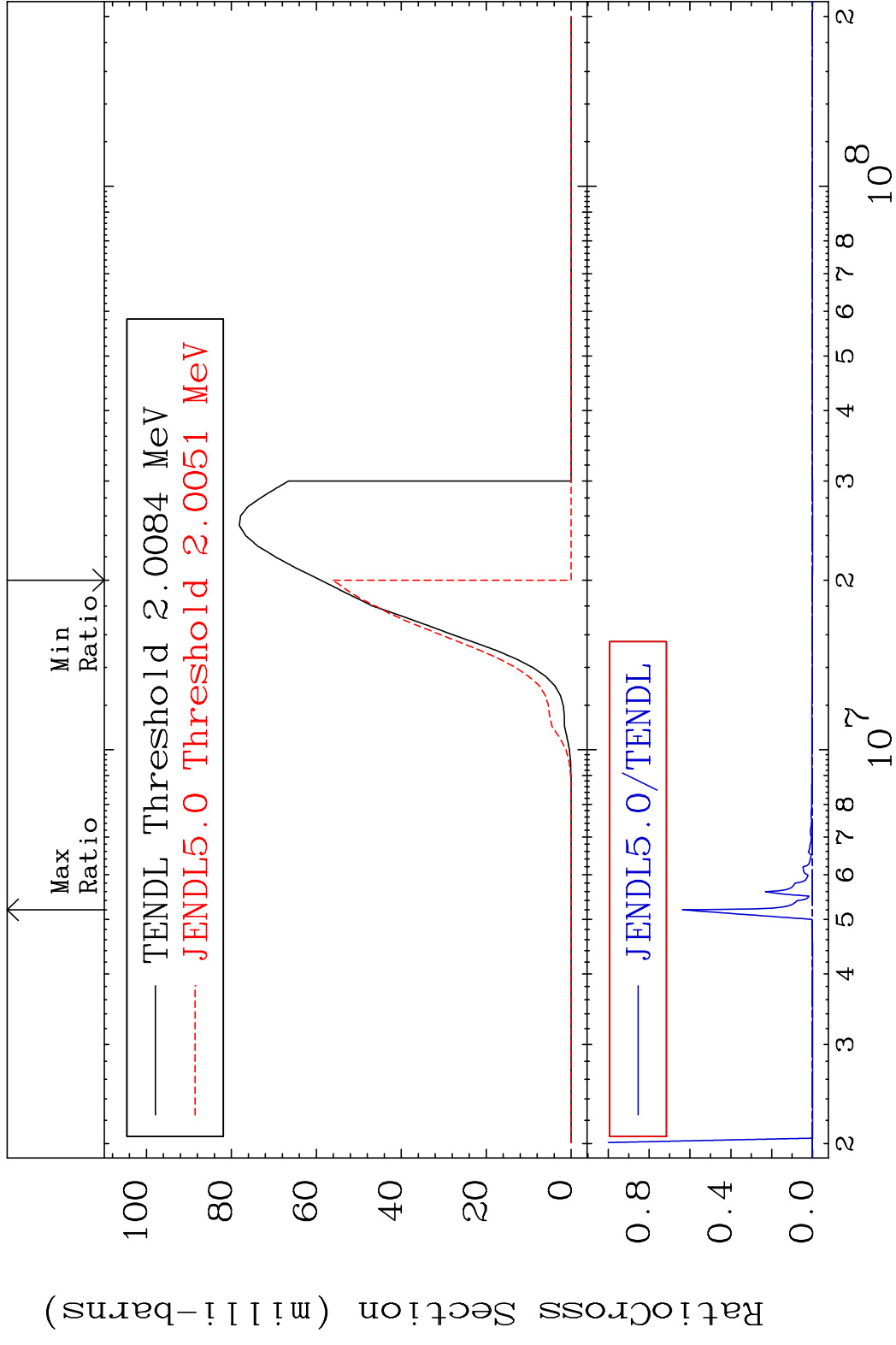


4 Incident Energy (eV) 45-Rh-99

MAT 4513 (n,2n) 45-Rh-99  
 Cross Section -100.0 To 17.79 %



MAT 4513 (n, n')  $\alpha$  45-Rh-99  
 Cross Section -100.0 To 9999. %

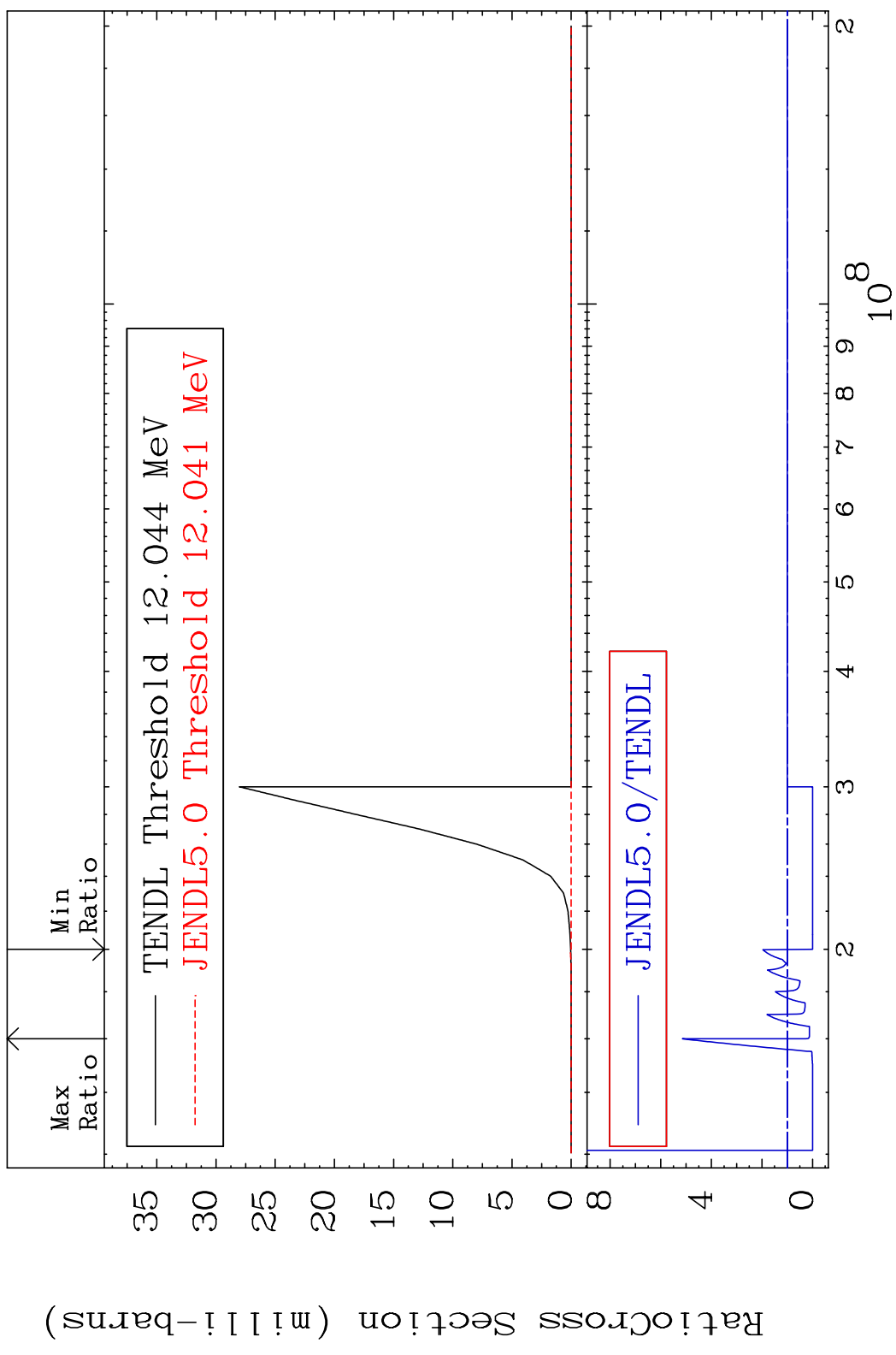


MAT 4513

(n,2n)  $\alpha$

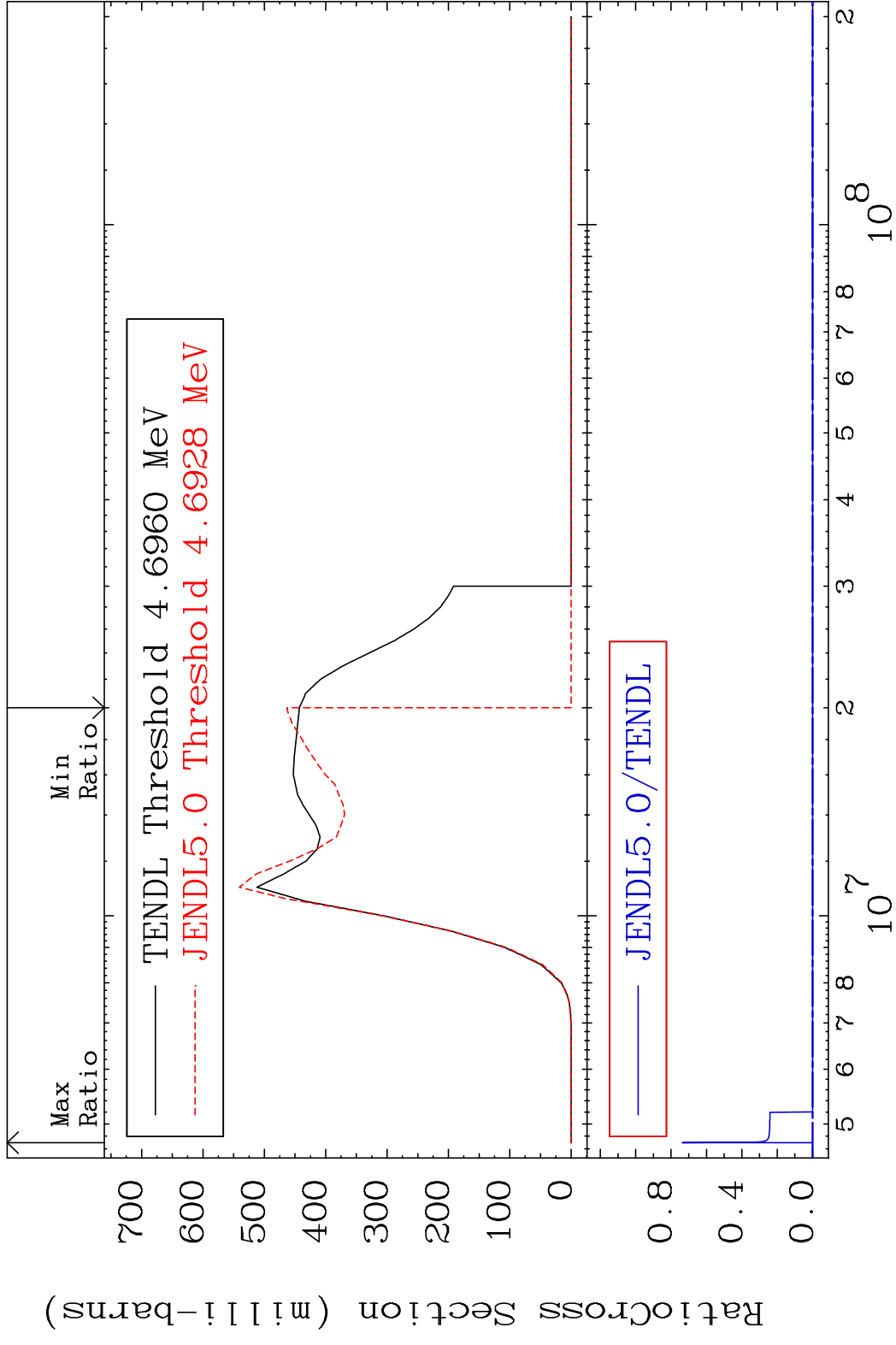
45-Rh-99

Cross Section -100.0 To 414.7 %

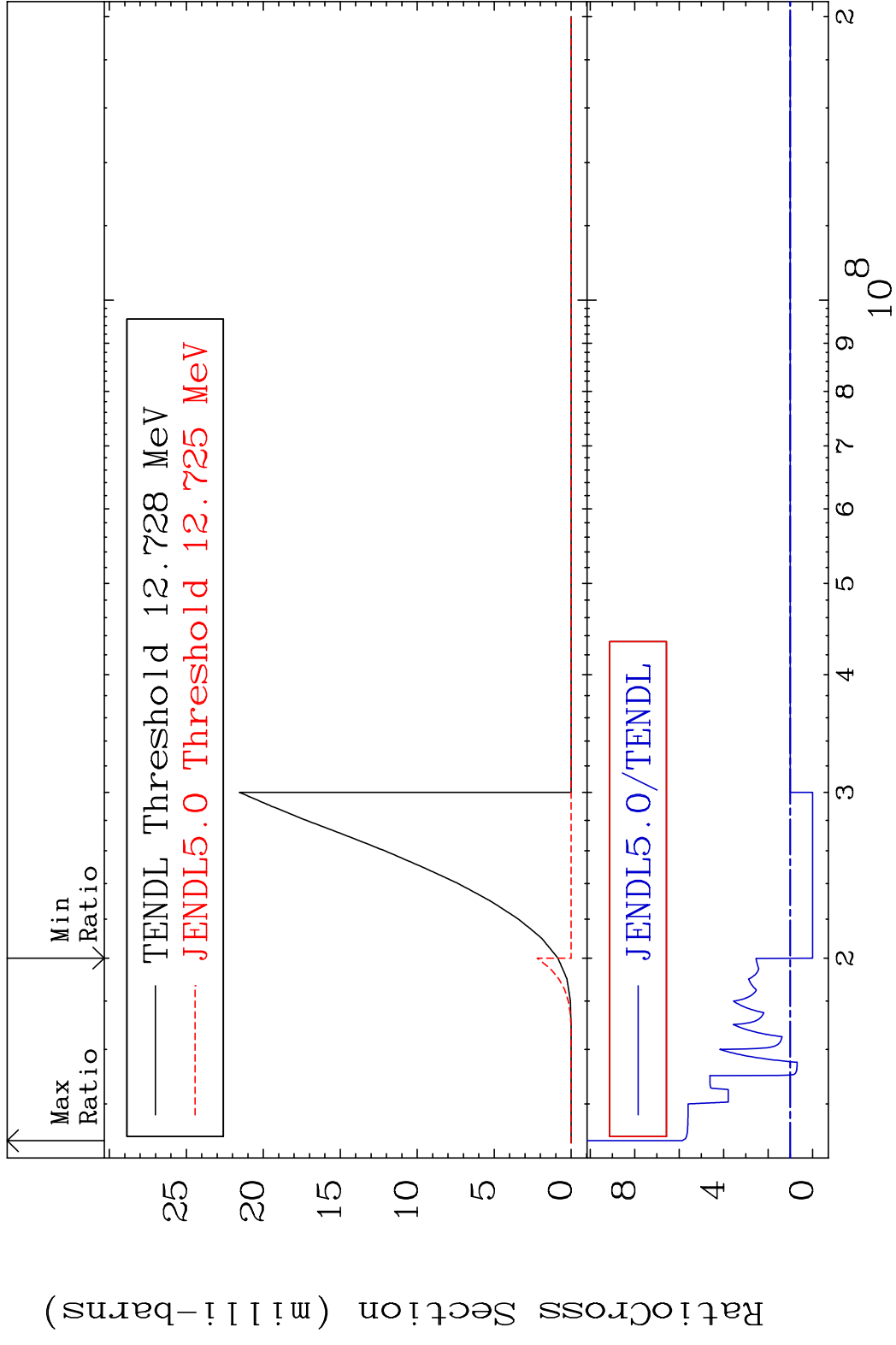




MAT 4513 (n, n') p 45-Rh-99  
 Cross Section -100.0 To 9999. %



MAT 4513 (n, n') d 45-Rh-99  
 Cross Section -100.0 To 485.7 %

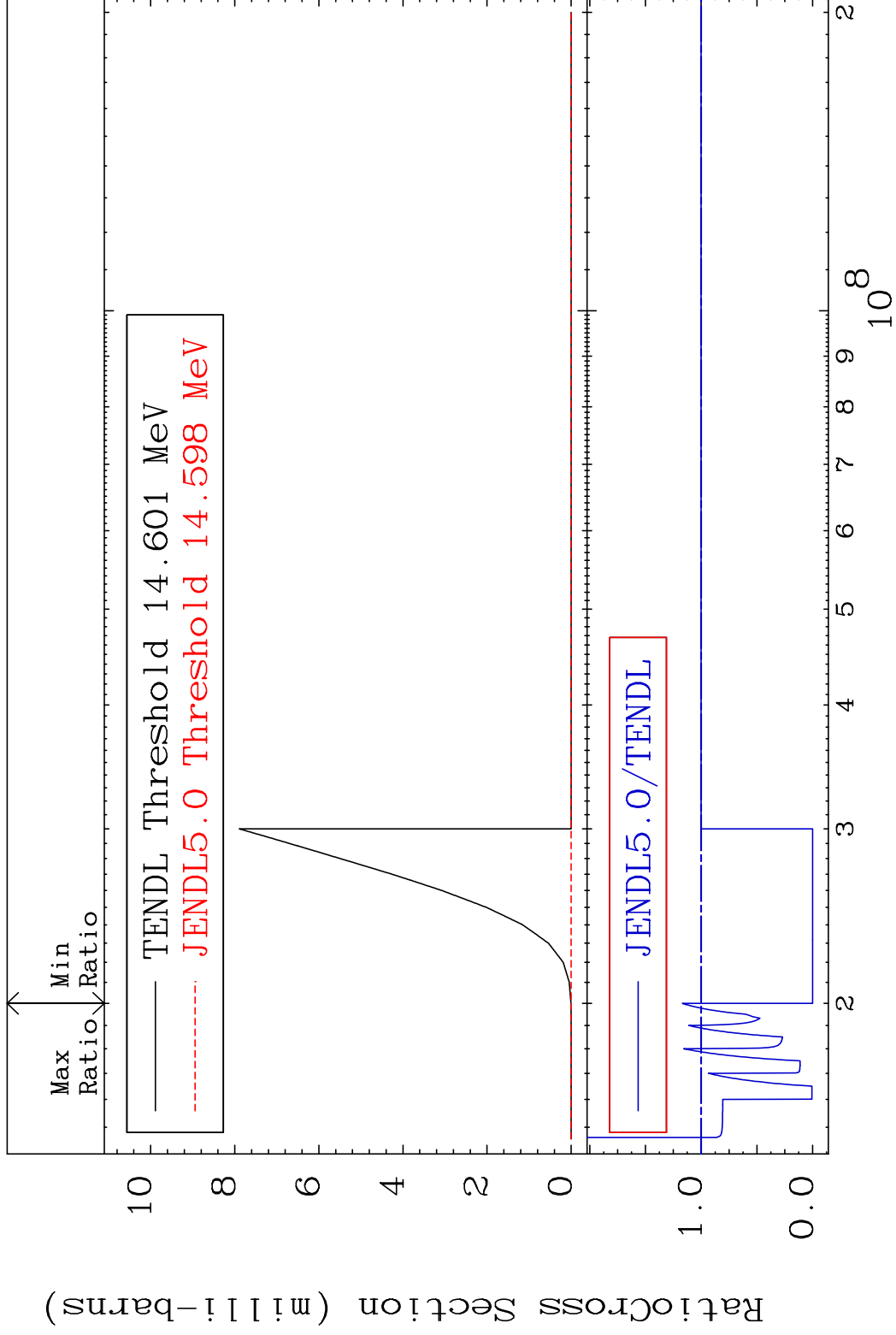


MAT 4513

(n, n') t

45-Rh-99

Cross Section -100.0 To 16.93 %

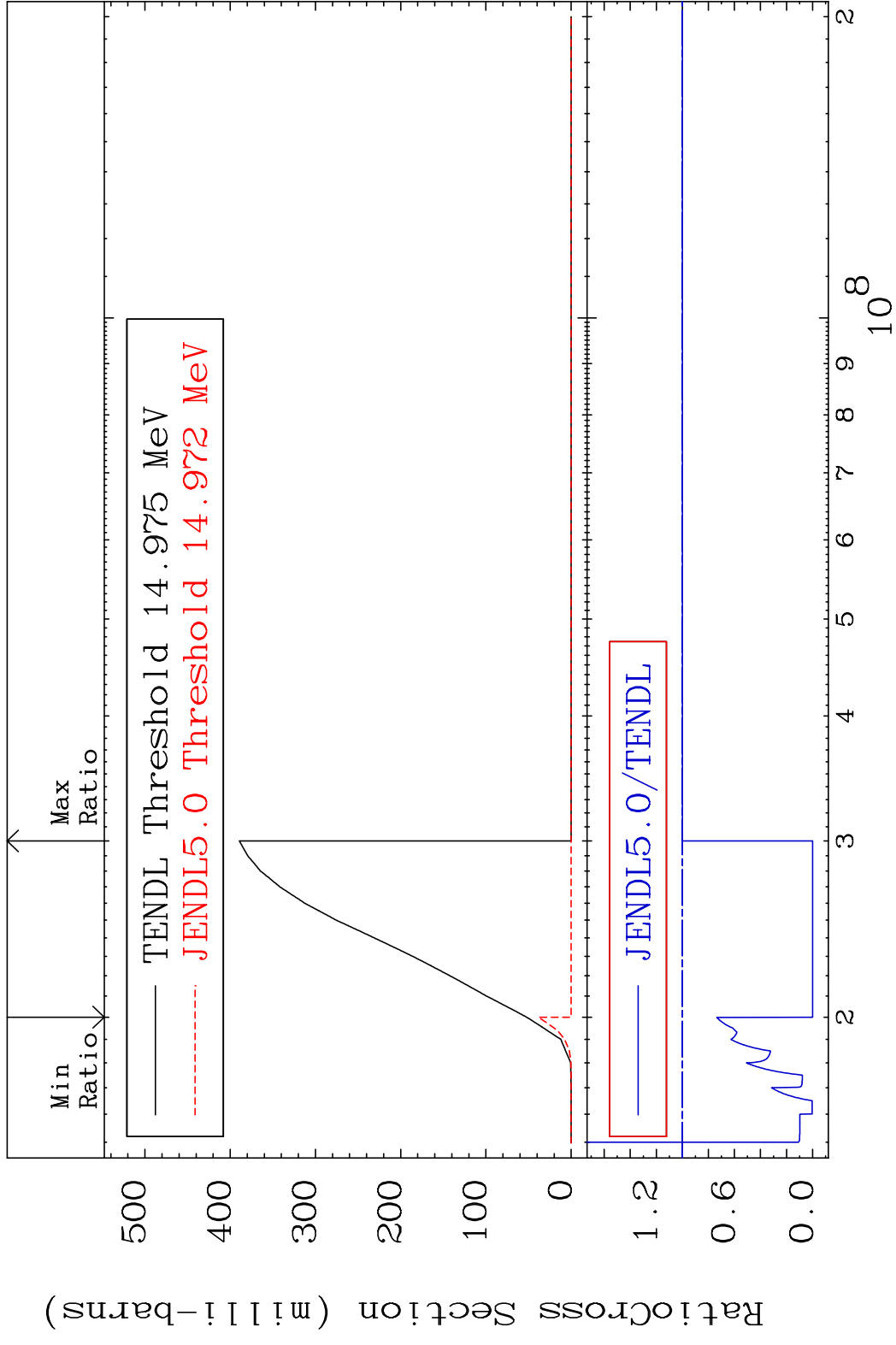


10

Incident Energy (eV)

45-Rh-99

MAT 4513 (n,2n) p 45-Rh-99  
 Cross Section -100.0 To 0.000 %

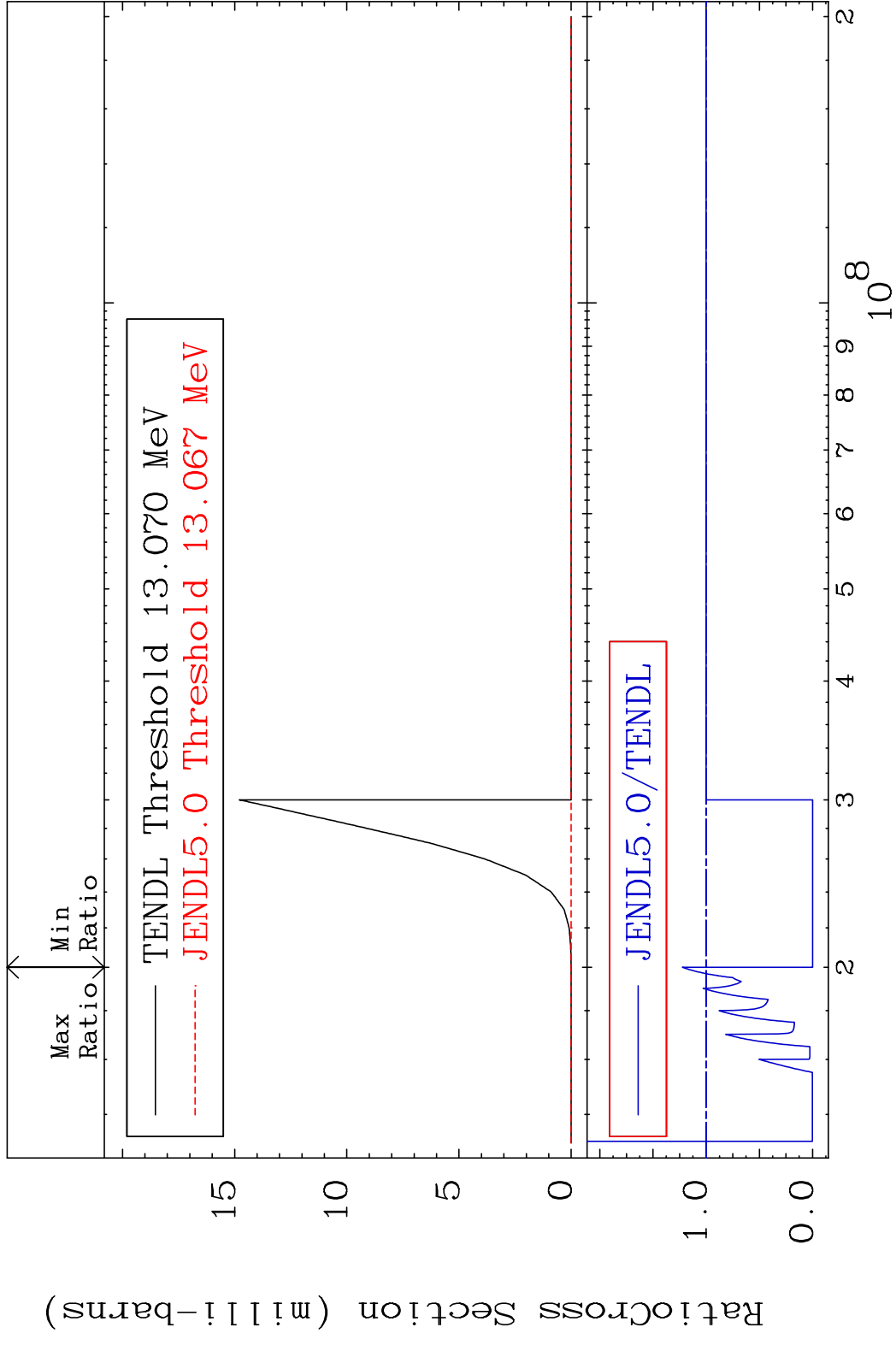


MAT 4513

(n,2n) p

45-Rh-99

Cross Section -100.0 To 22.41 %

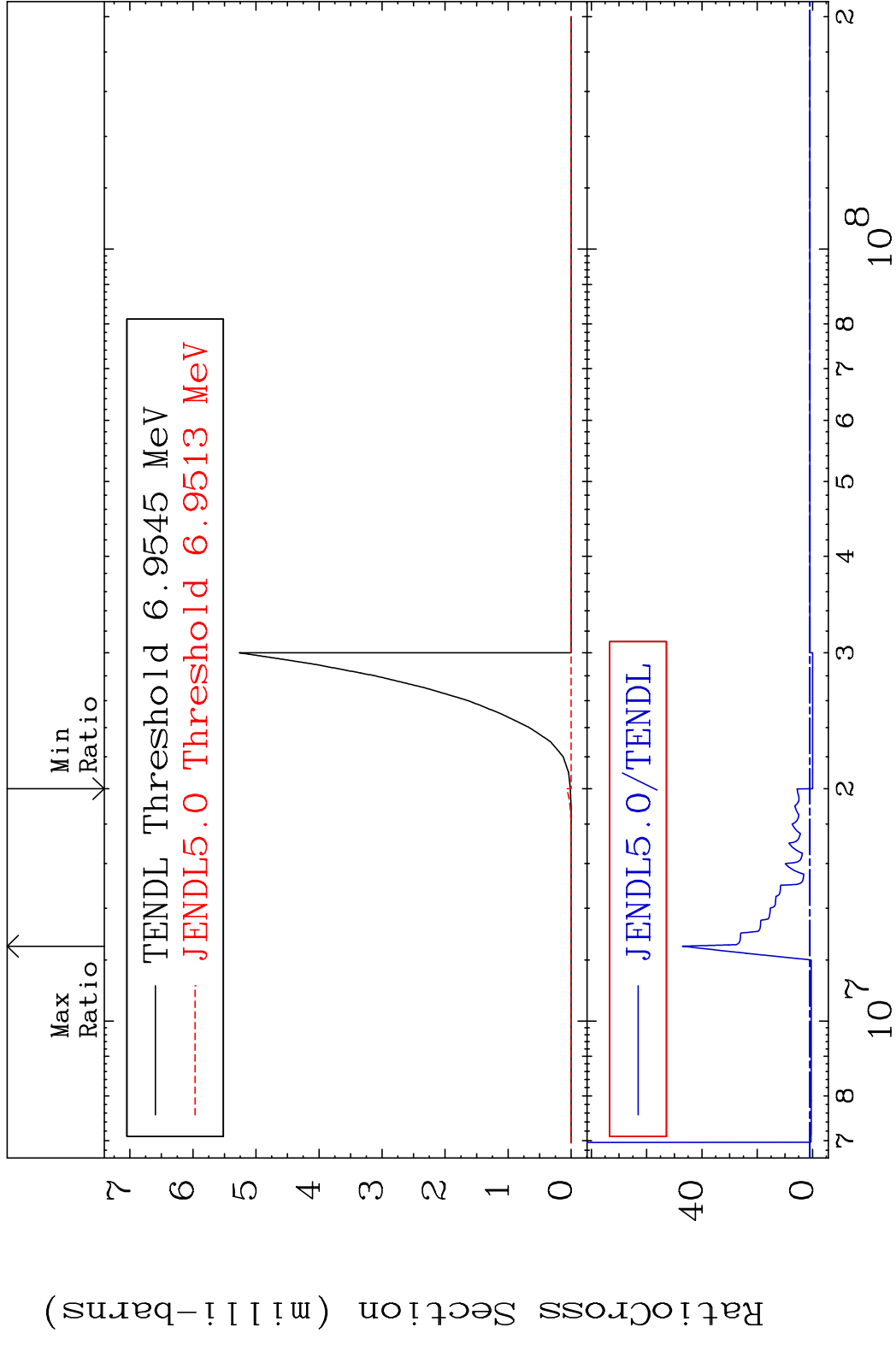


12

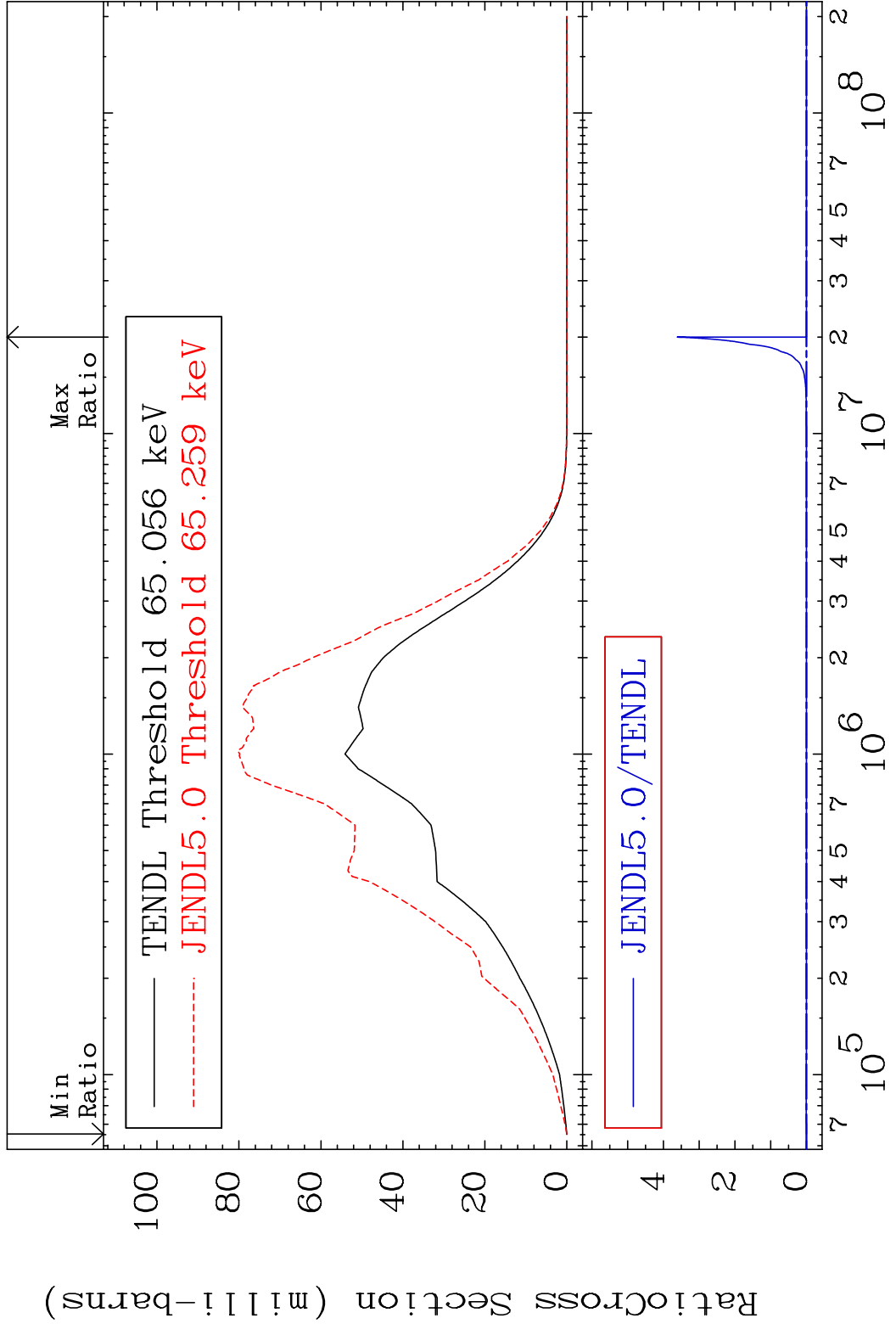
Incident Energy (eV)

45-Rh-99

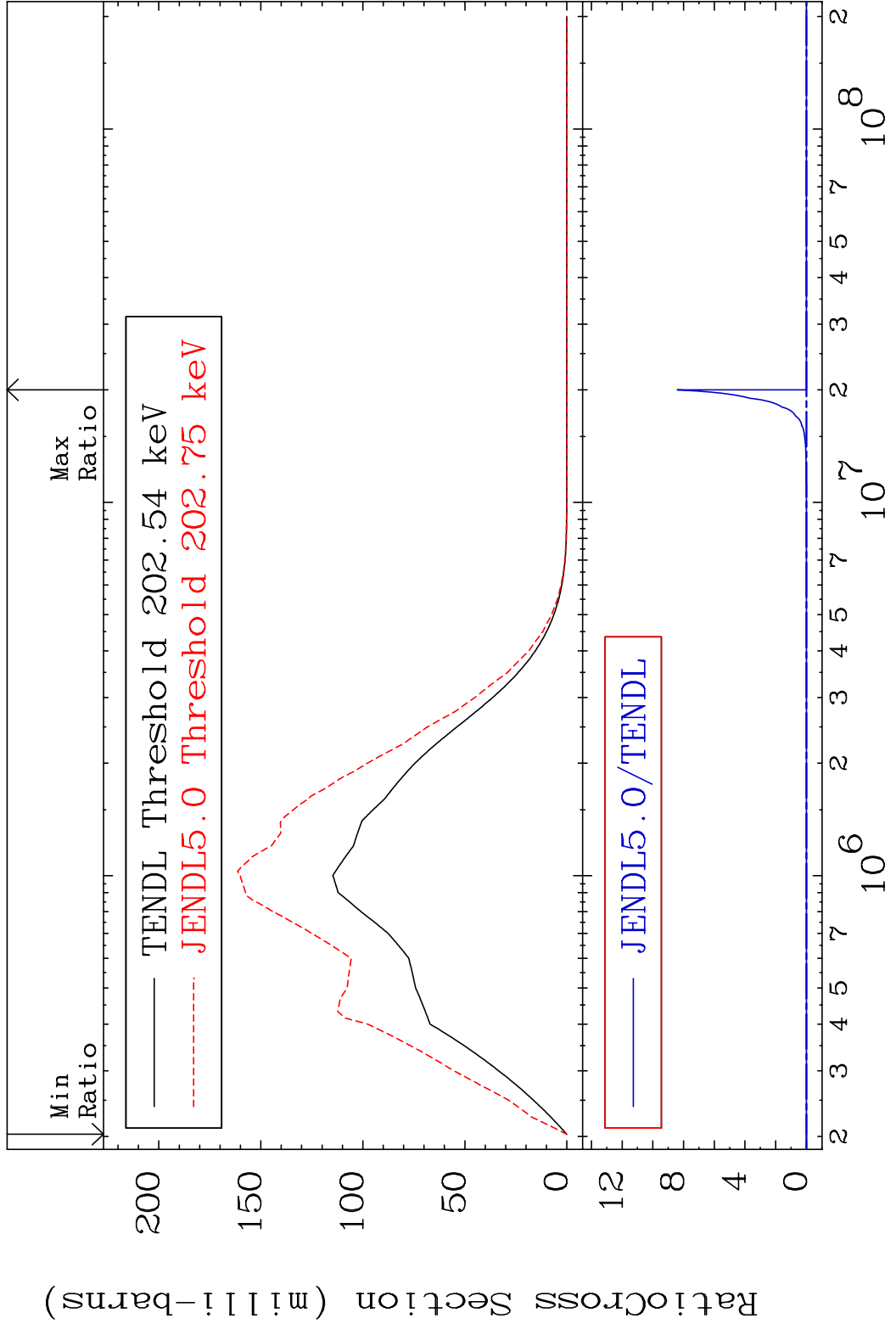
MAT 4513 (n,n') p α 45-Rh-99  
 Cross Section -100.0 To 4609. %



MAT 4513 MT= 51 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



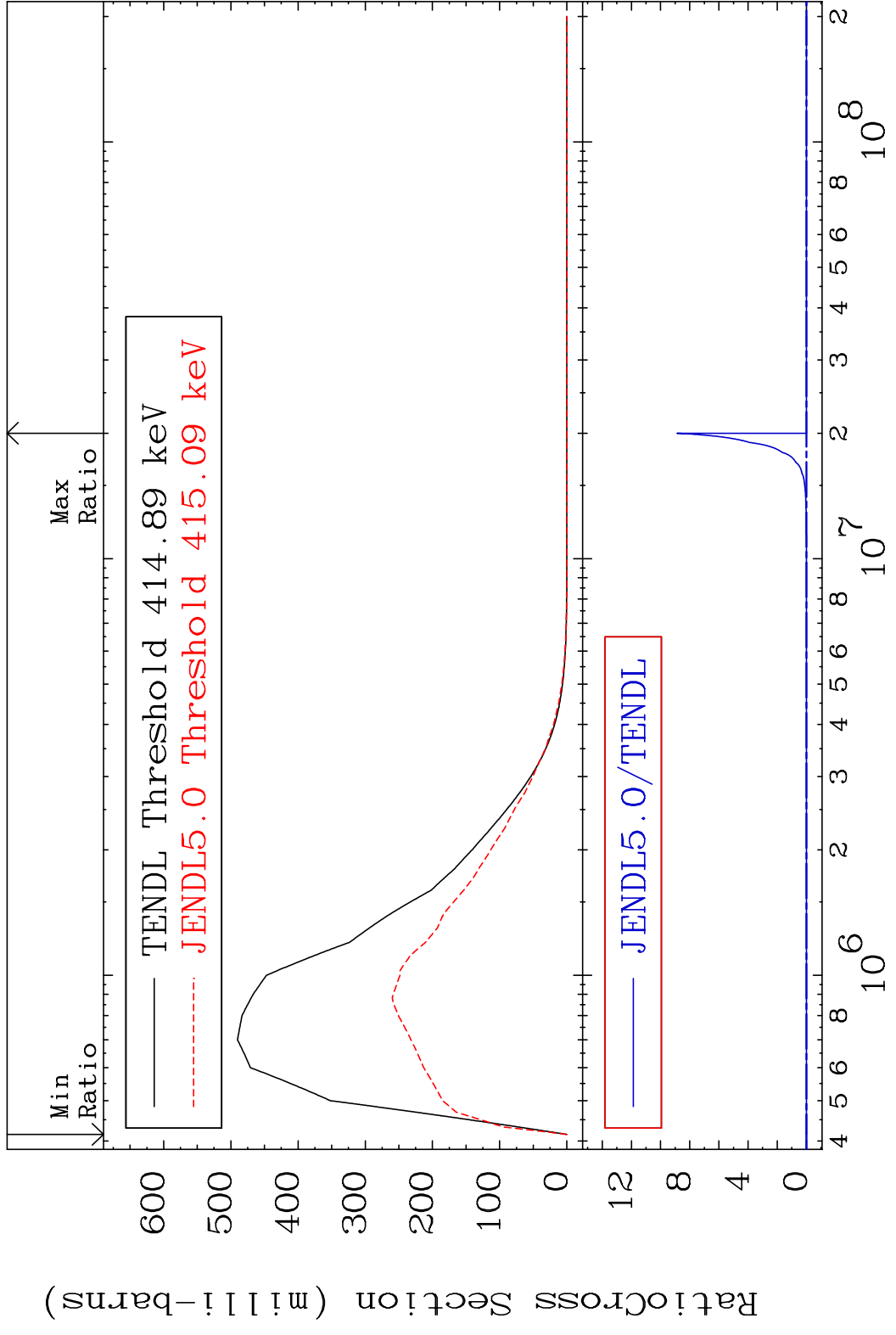
MAT 4513 MT= 52 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



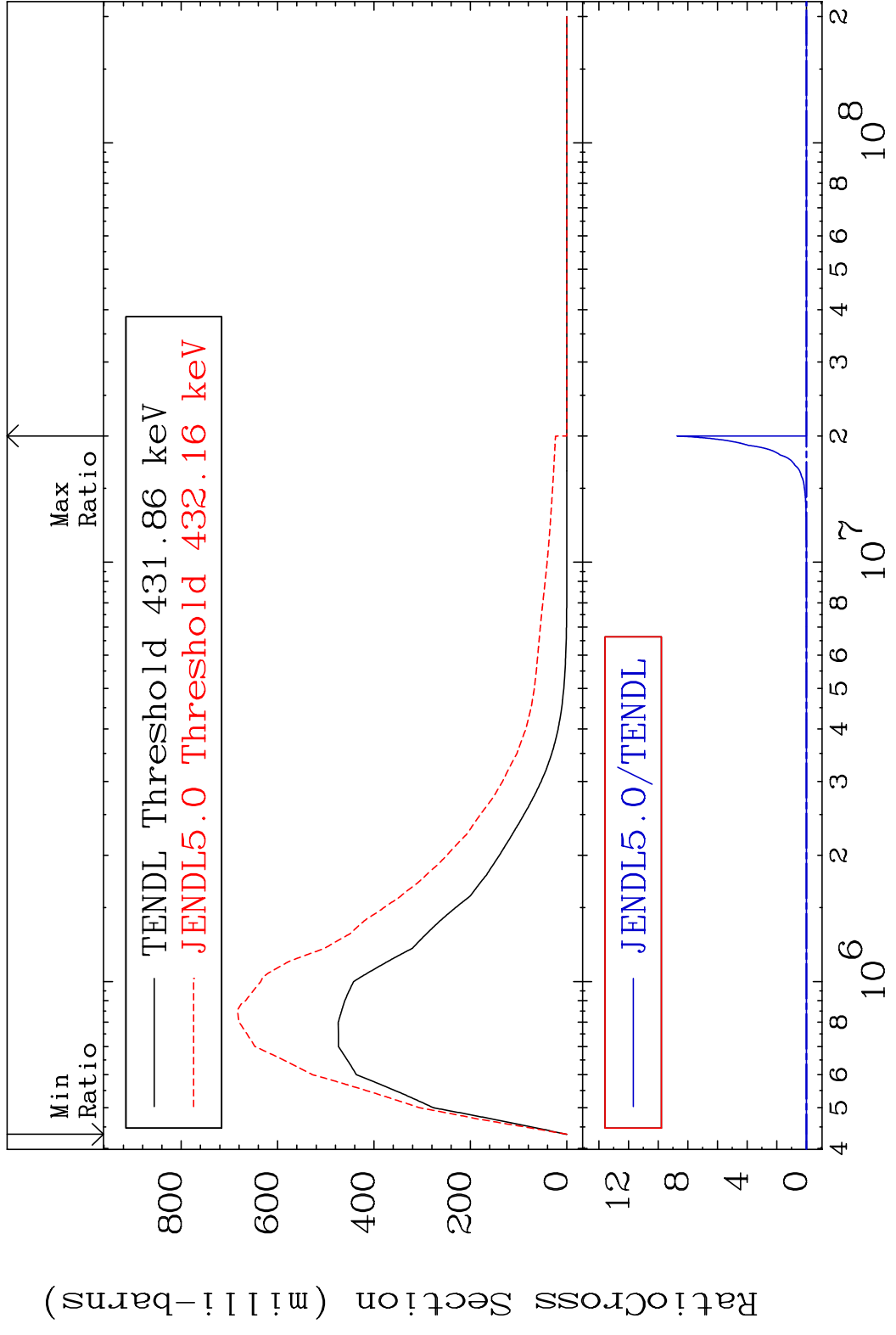
15 Incident Energy (eV) 45-Rh-99



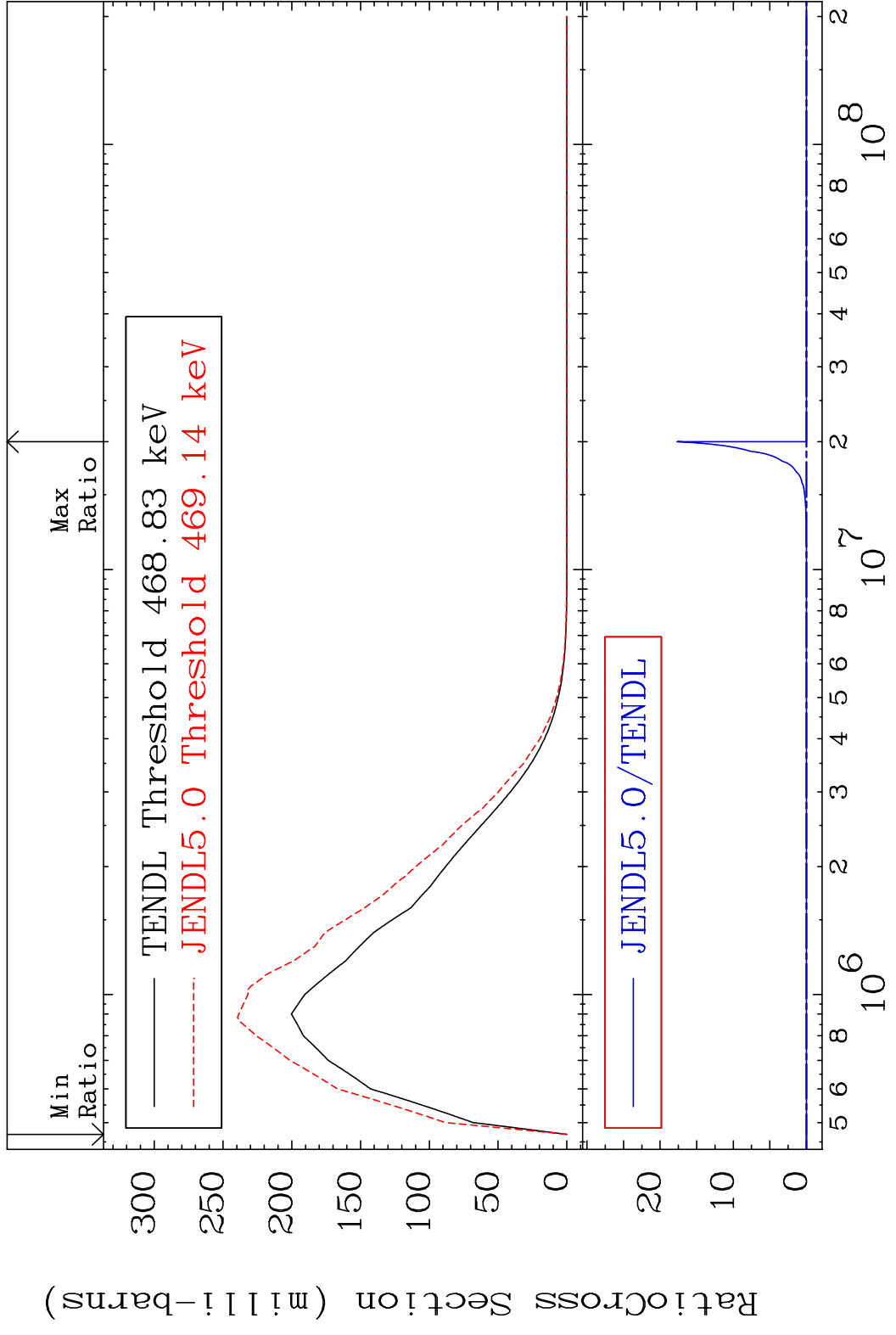
MAT 4513 MT= 53 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



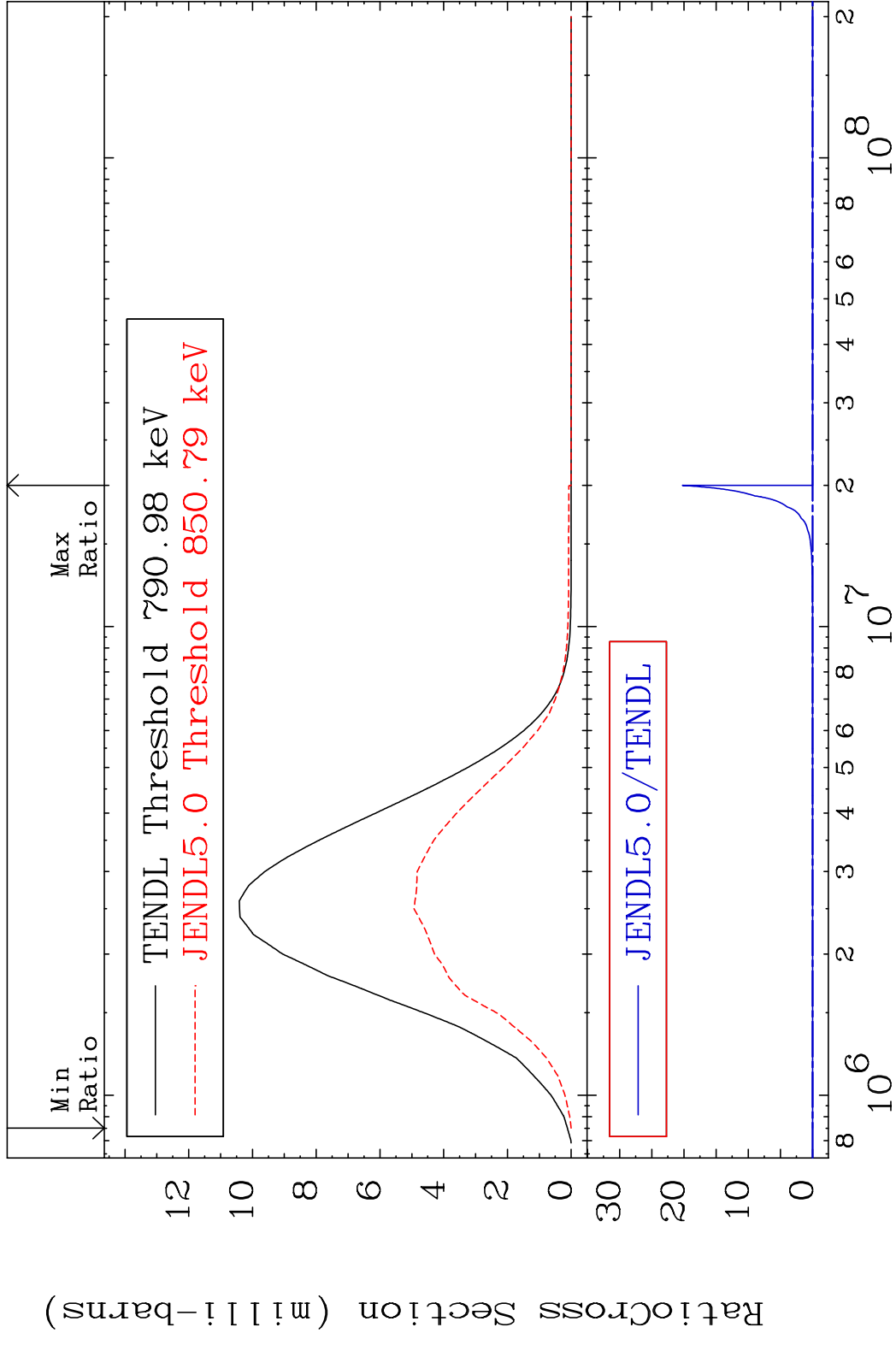
MAT 4513 MT= 54 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



MAT 4513 MT= 55 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %

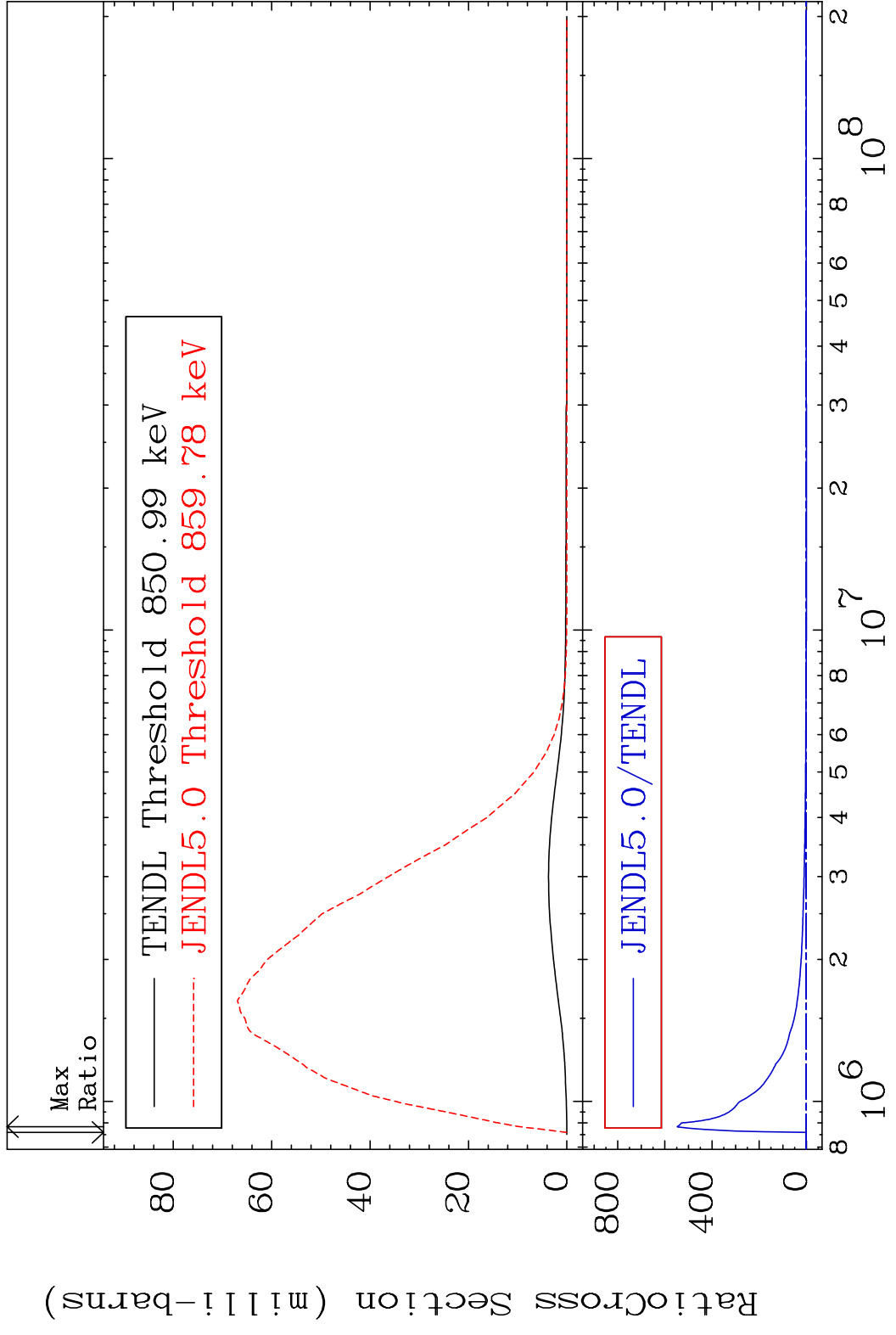


MAT 4513 MT= 56 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



19 19 Incident Energy (eV) 45-Rh-99

MAT 4513 MT= 57 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %

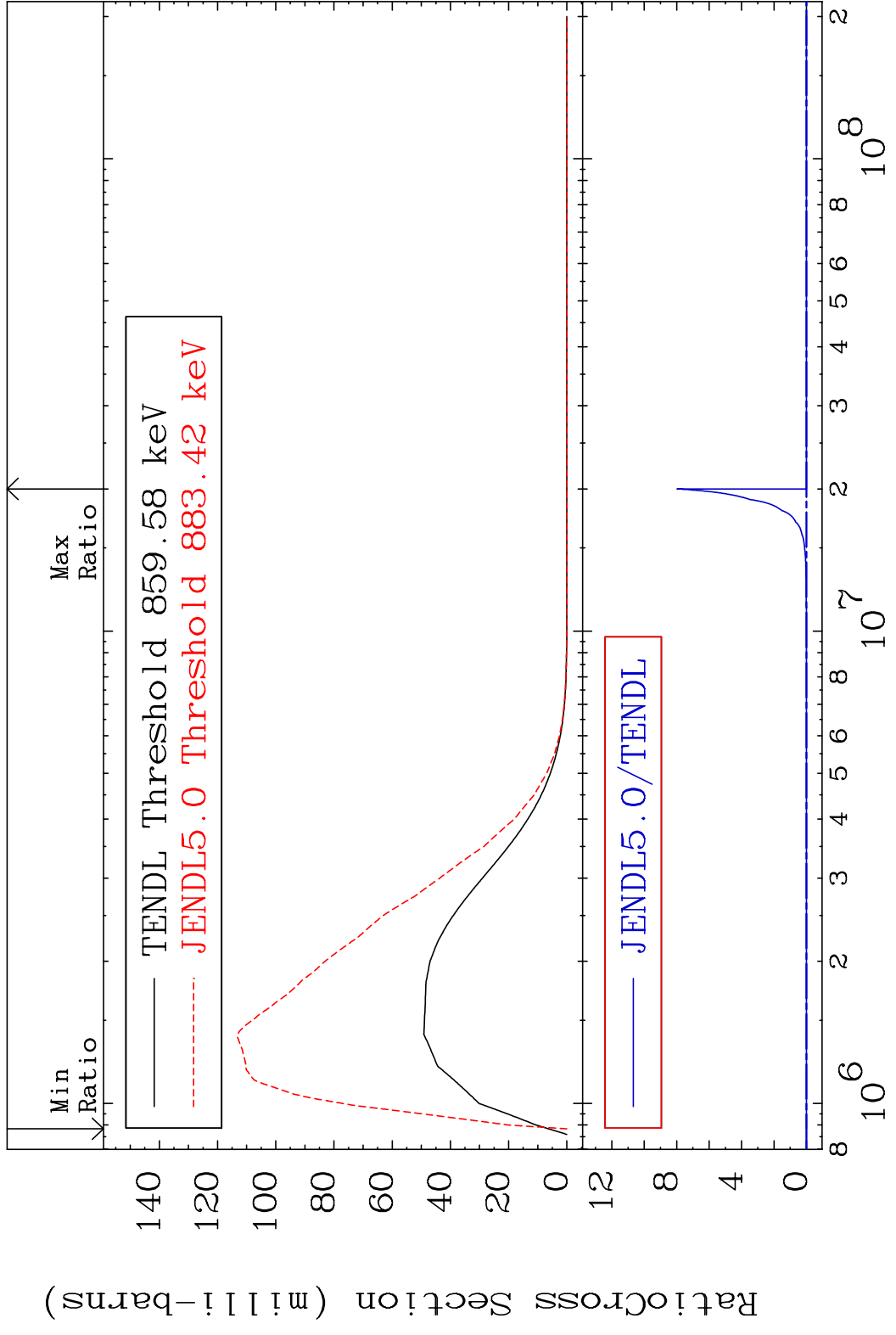


20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000

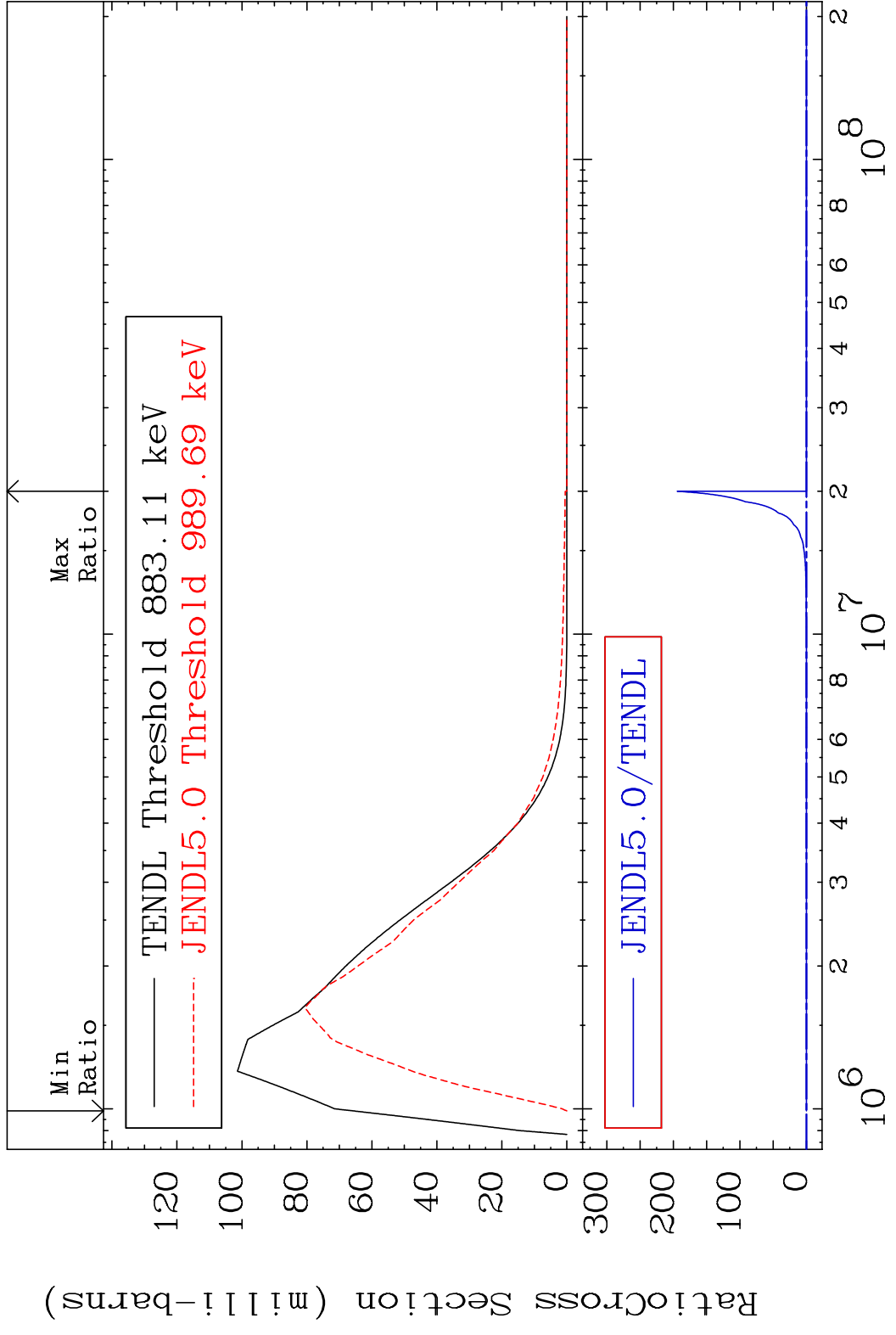
10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

45-Rh-99

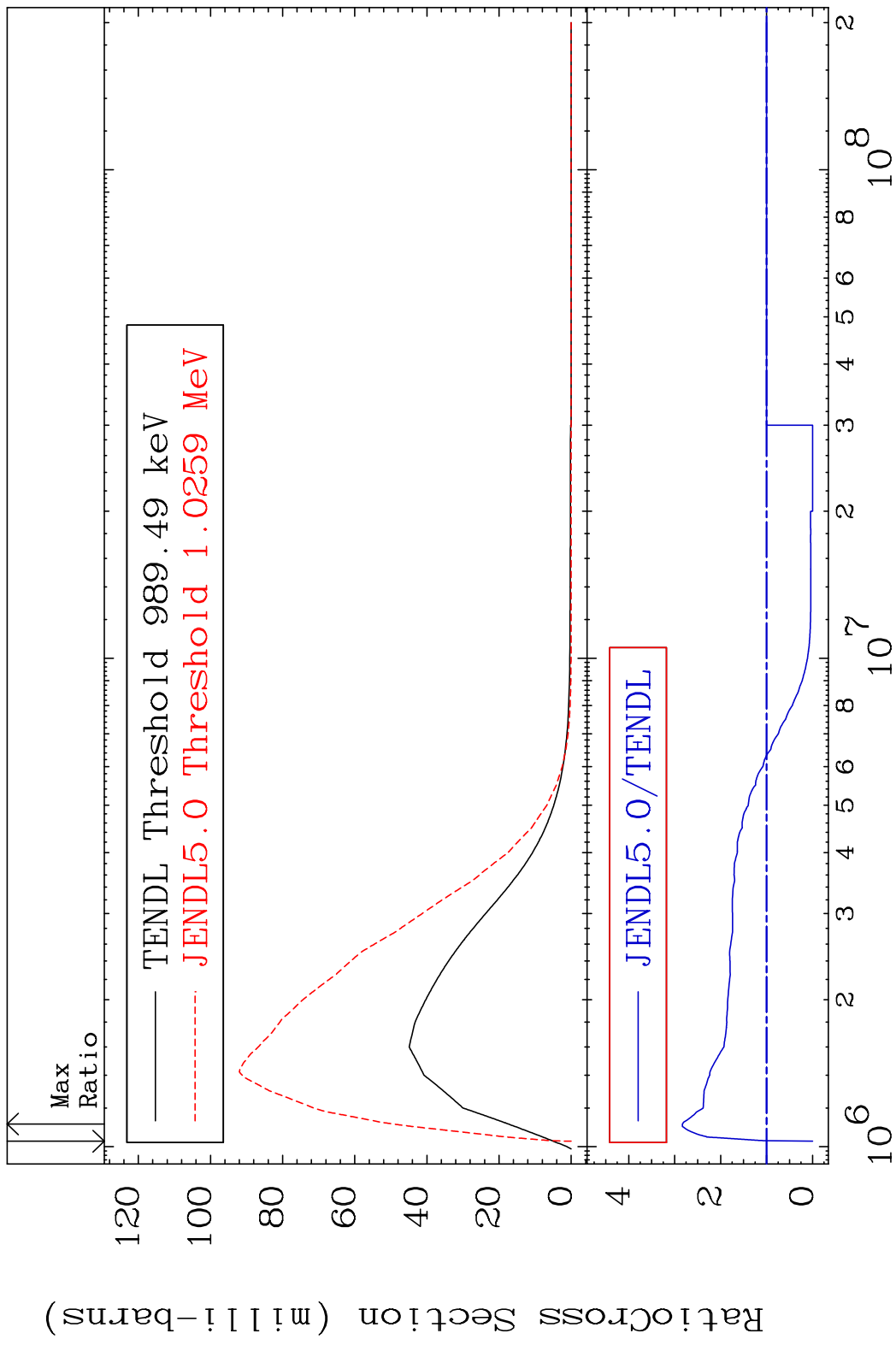
MAT 4513 MT= 58 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



MAT 4513 MT= 59 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



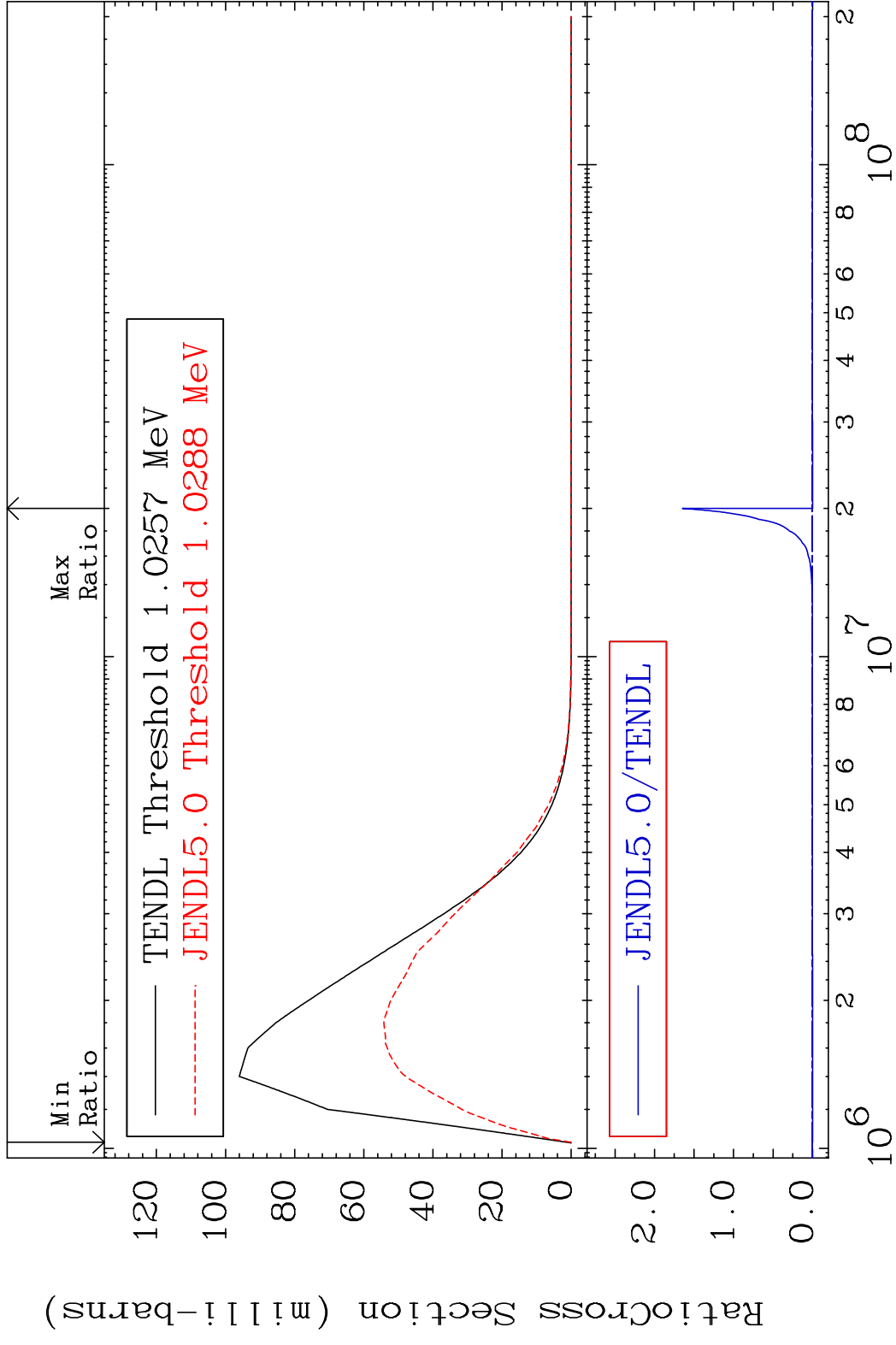
MAT 4513 MT= 60 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 183.3 %



23 45-Rh-99

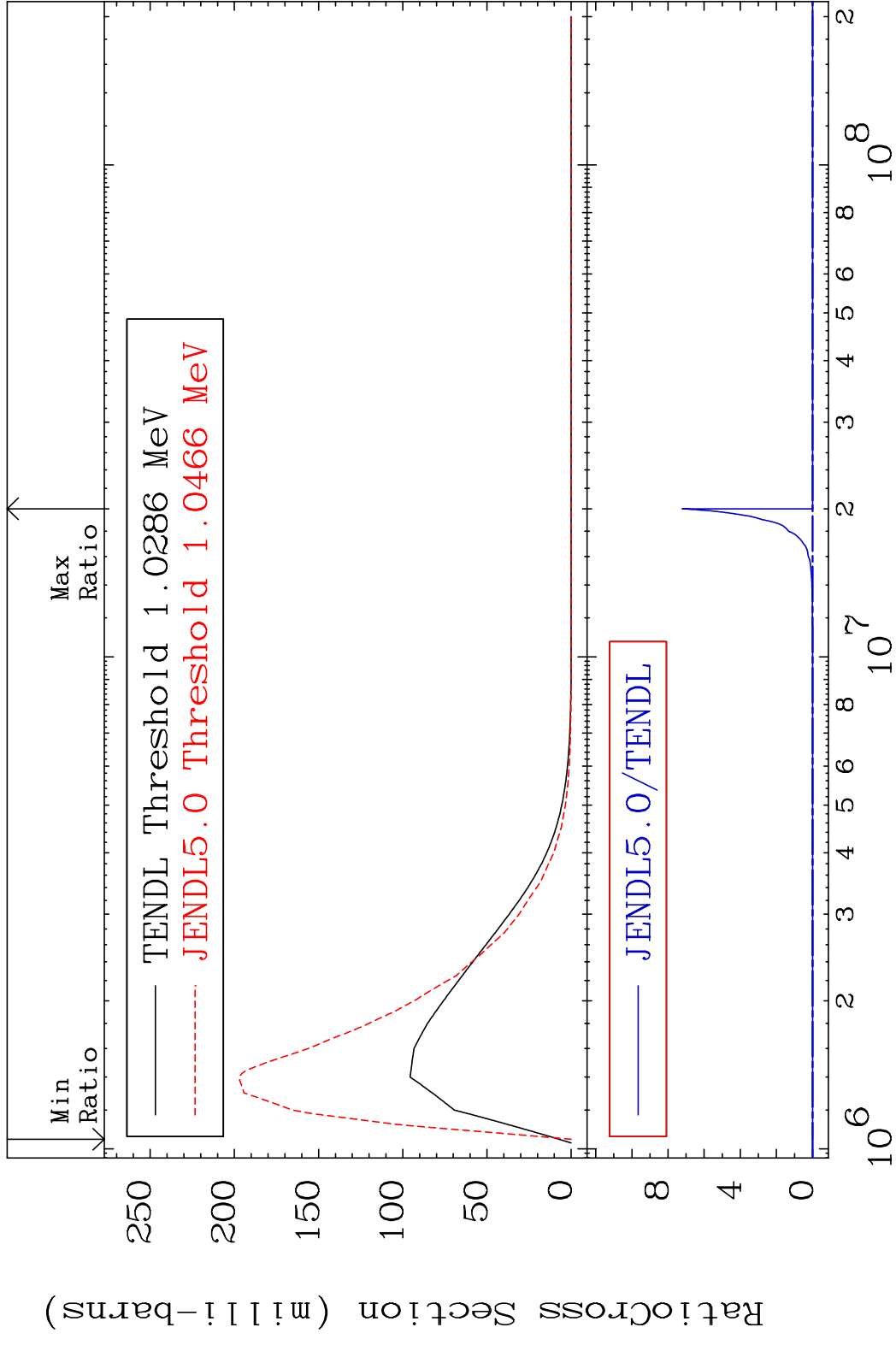


MAT 4513 MT= 61 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



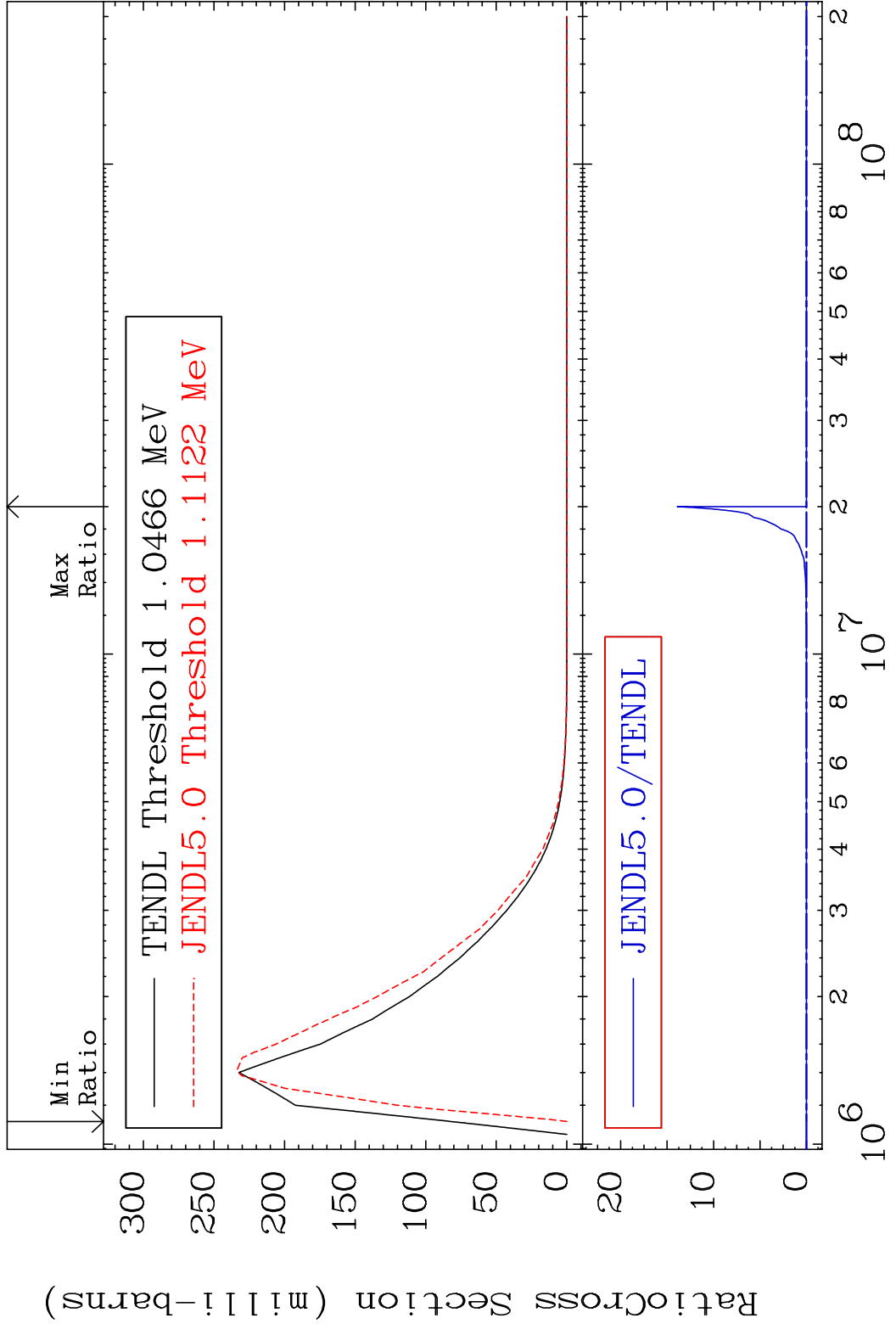
24 Incident Energy (eV) 45-Rh-99

MAT 4513 MT= 62 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



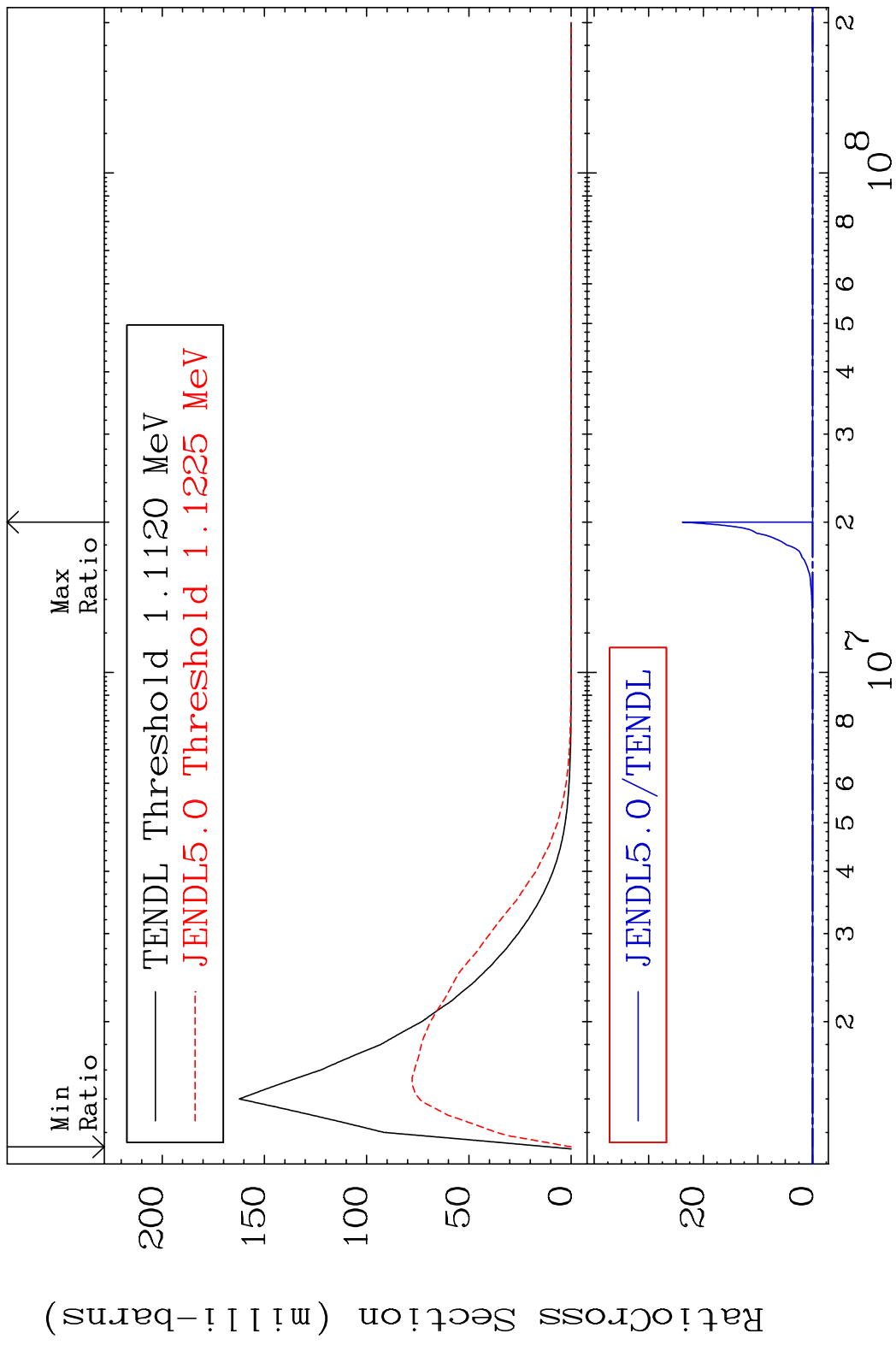
25 Incident Energy (eV) 45-Rh-99

MAT 4513 MT= 63 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %

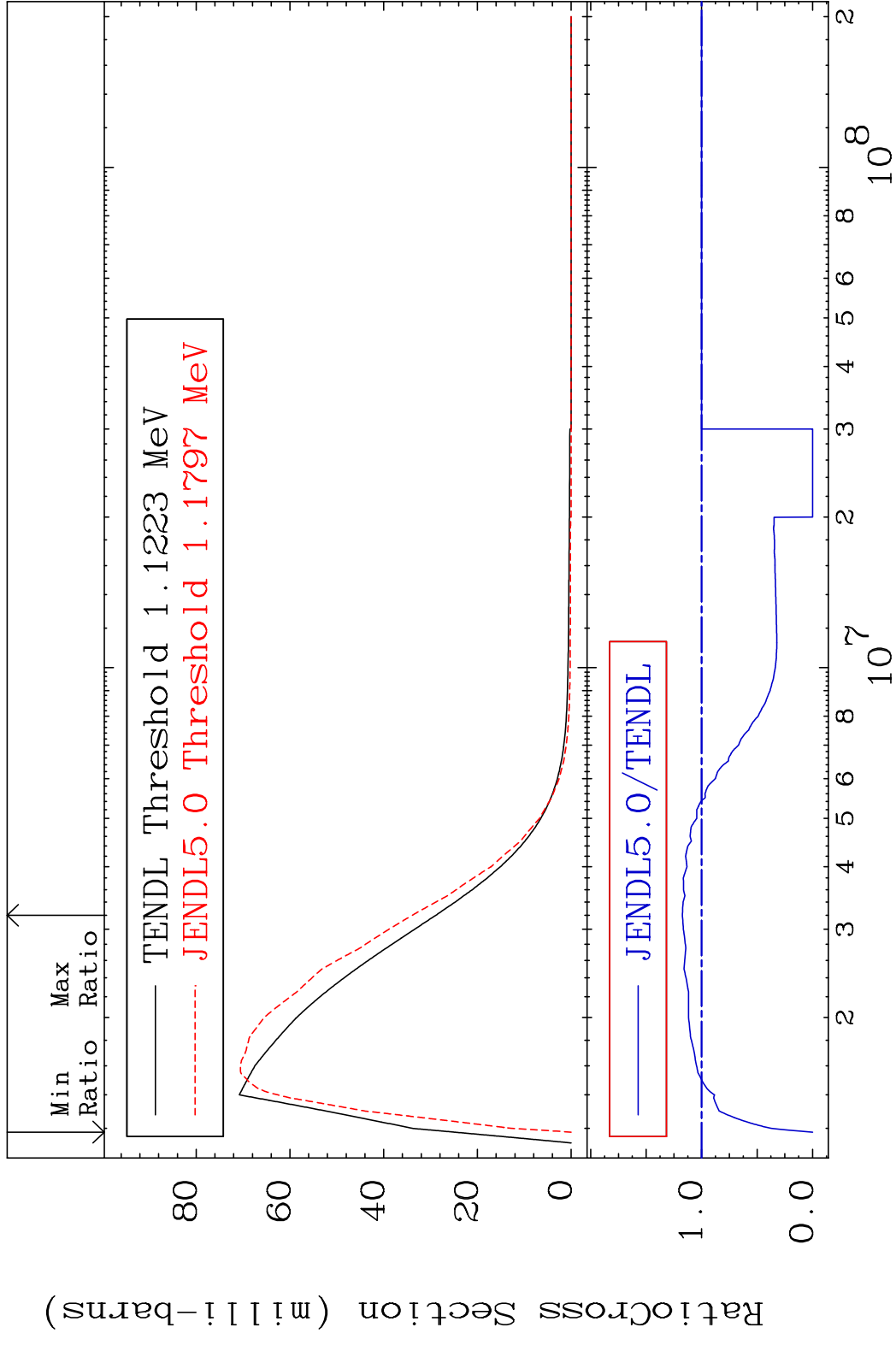


26 Incident Energy (eV) 45-Rh-99

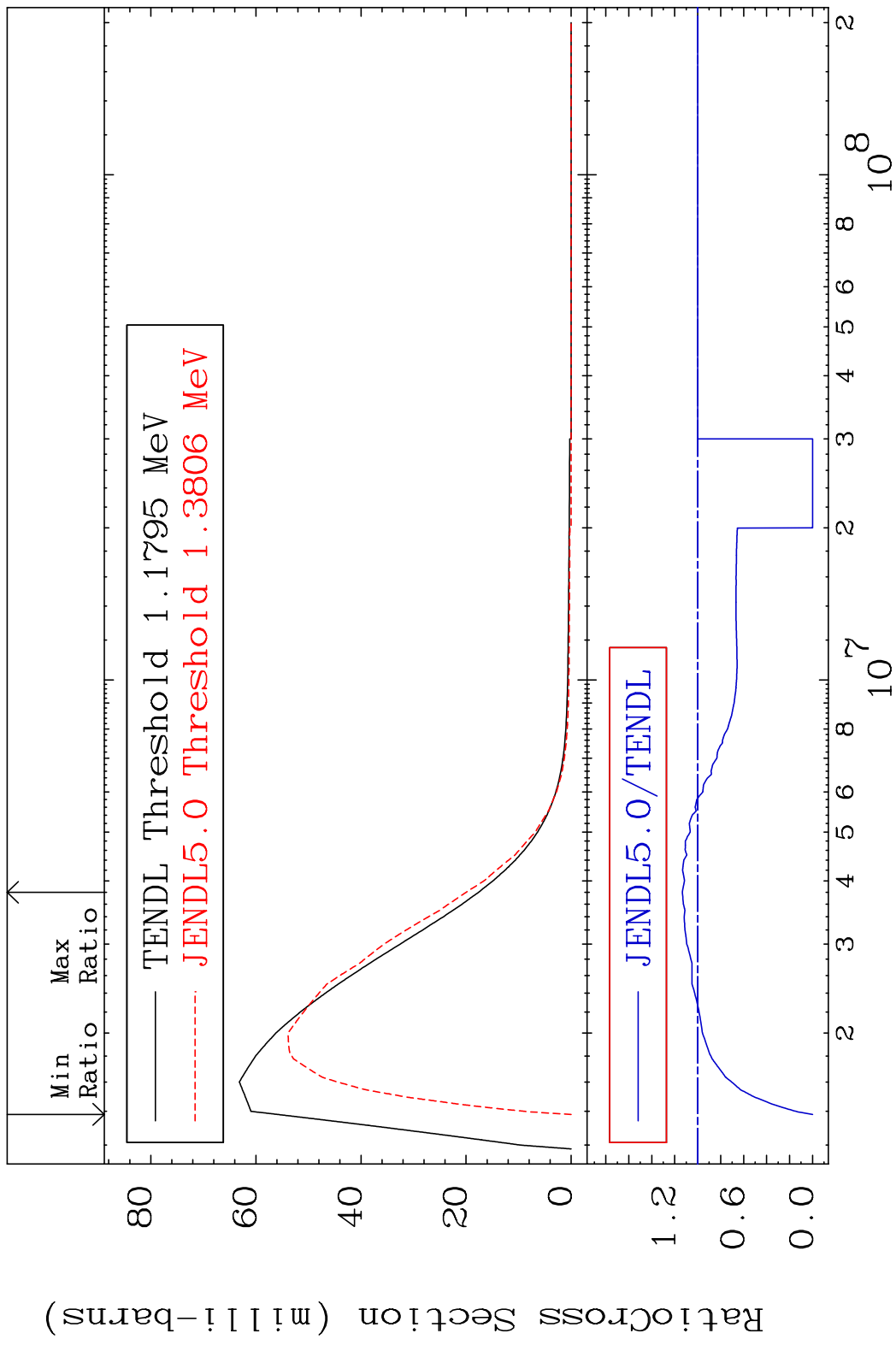
MAT 4513 MT= 64 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



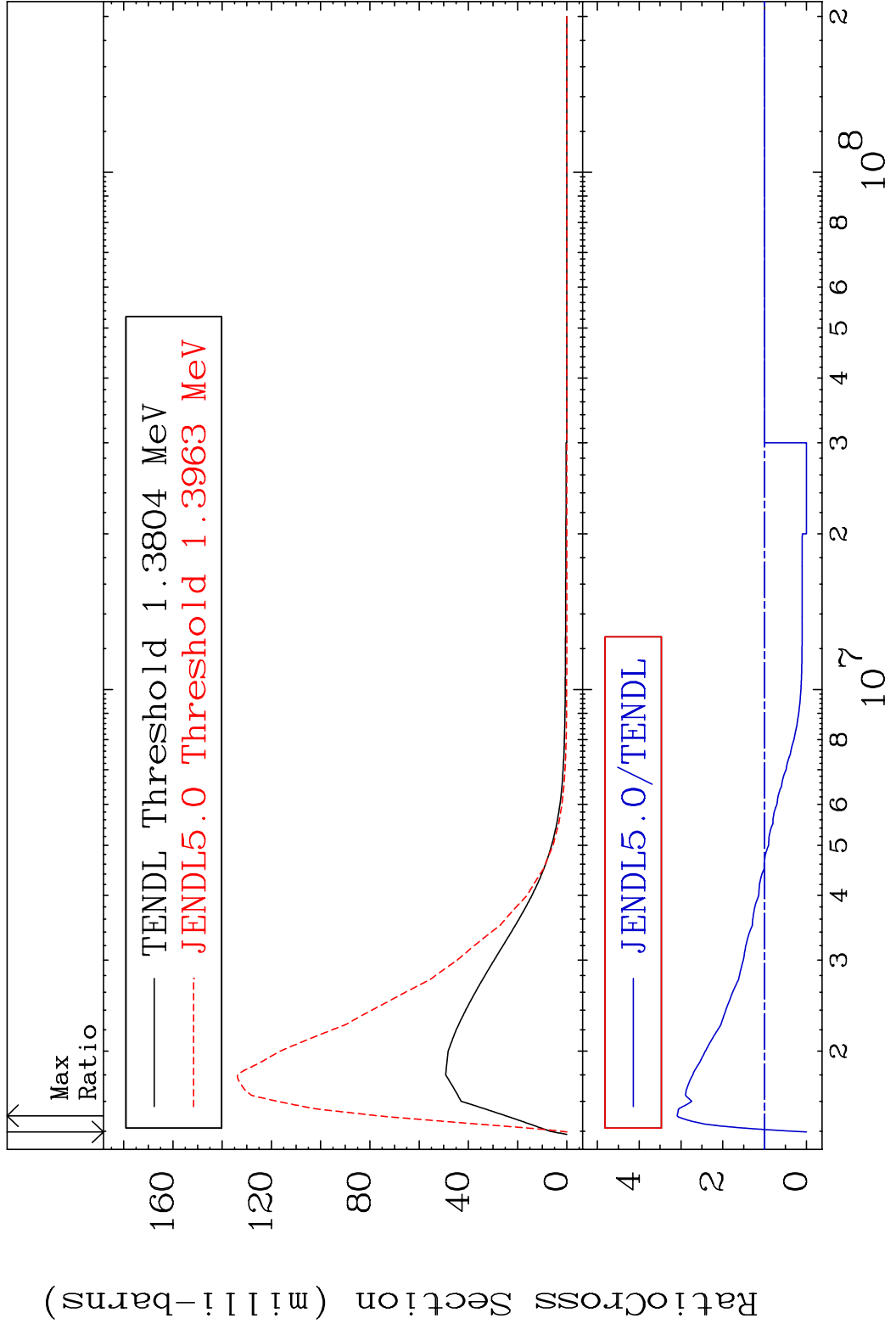
MAT 4513 MT= 65 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 17.39 %



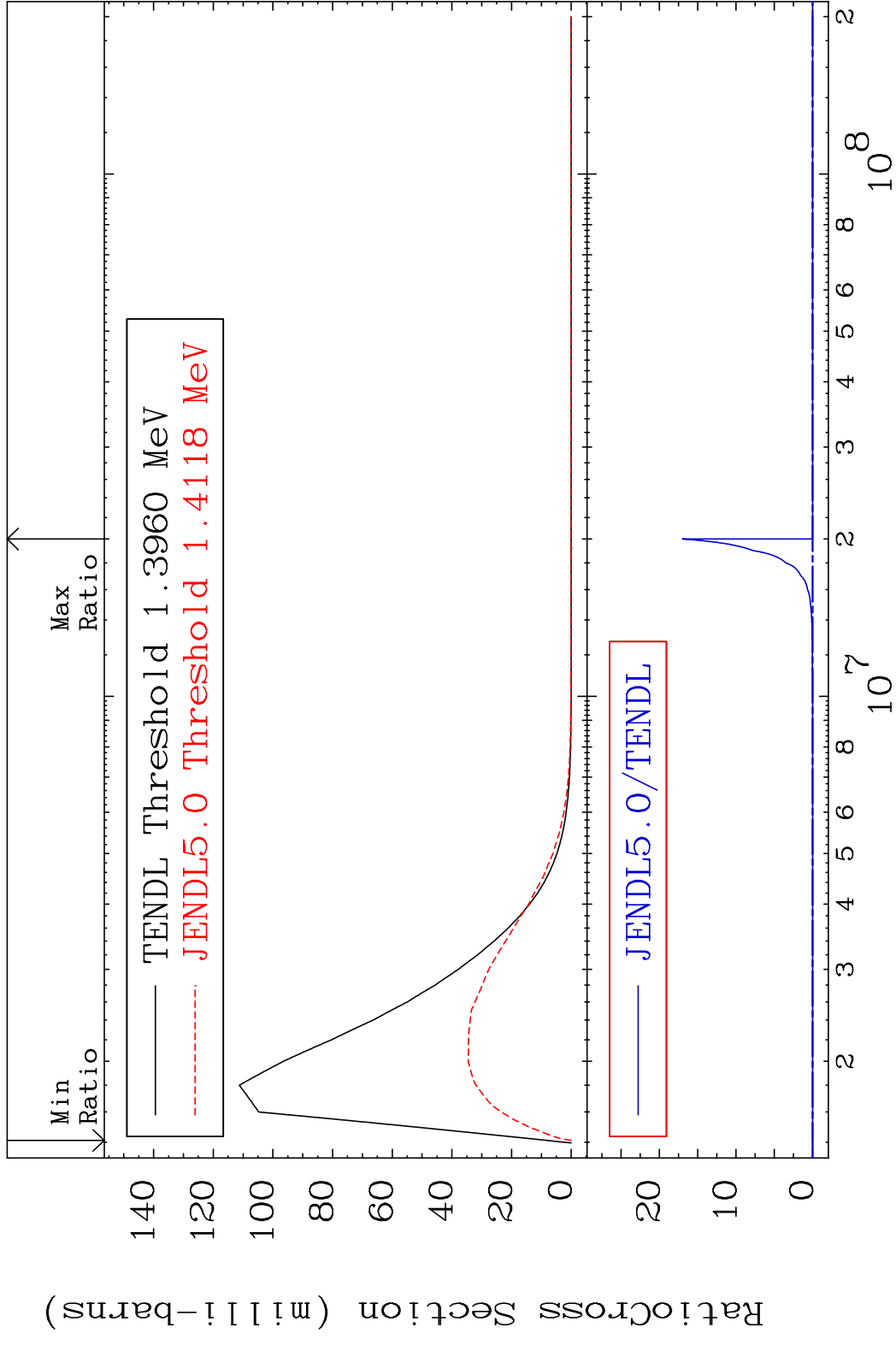
MAT 4513 MT= 66 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 13.36 %



MAT 4513 MT= 67 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 209.1 %

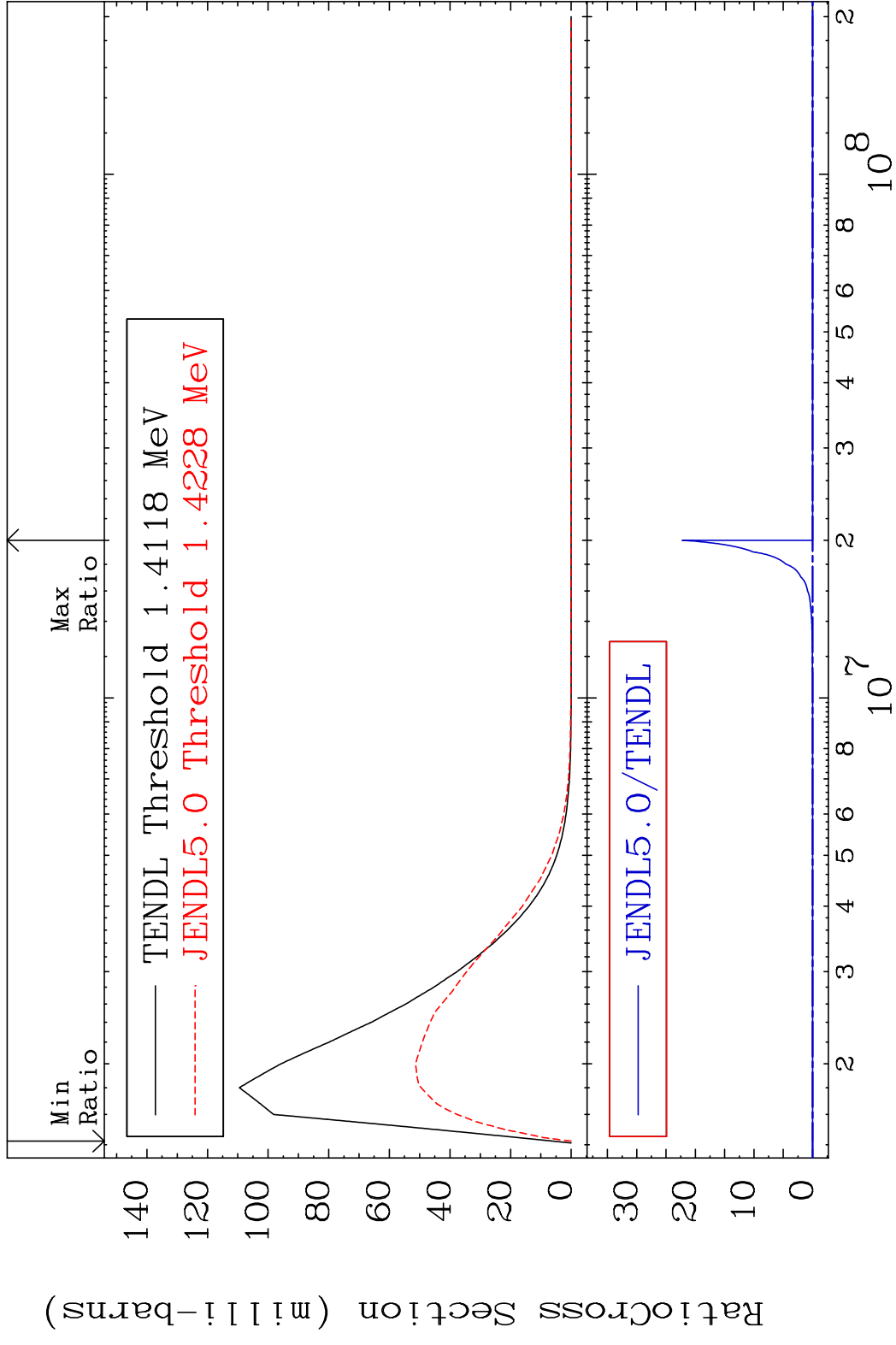


MAT 4513 MT= 68 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %

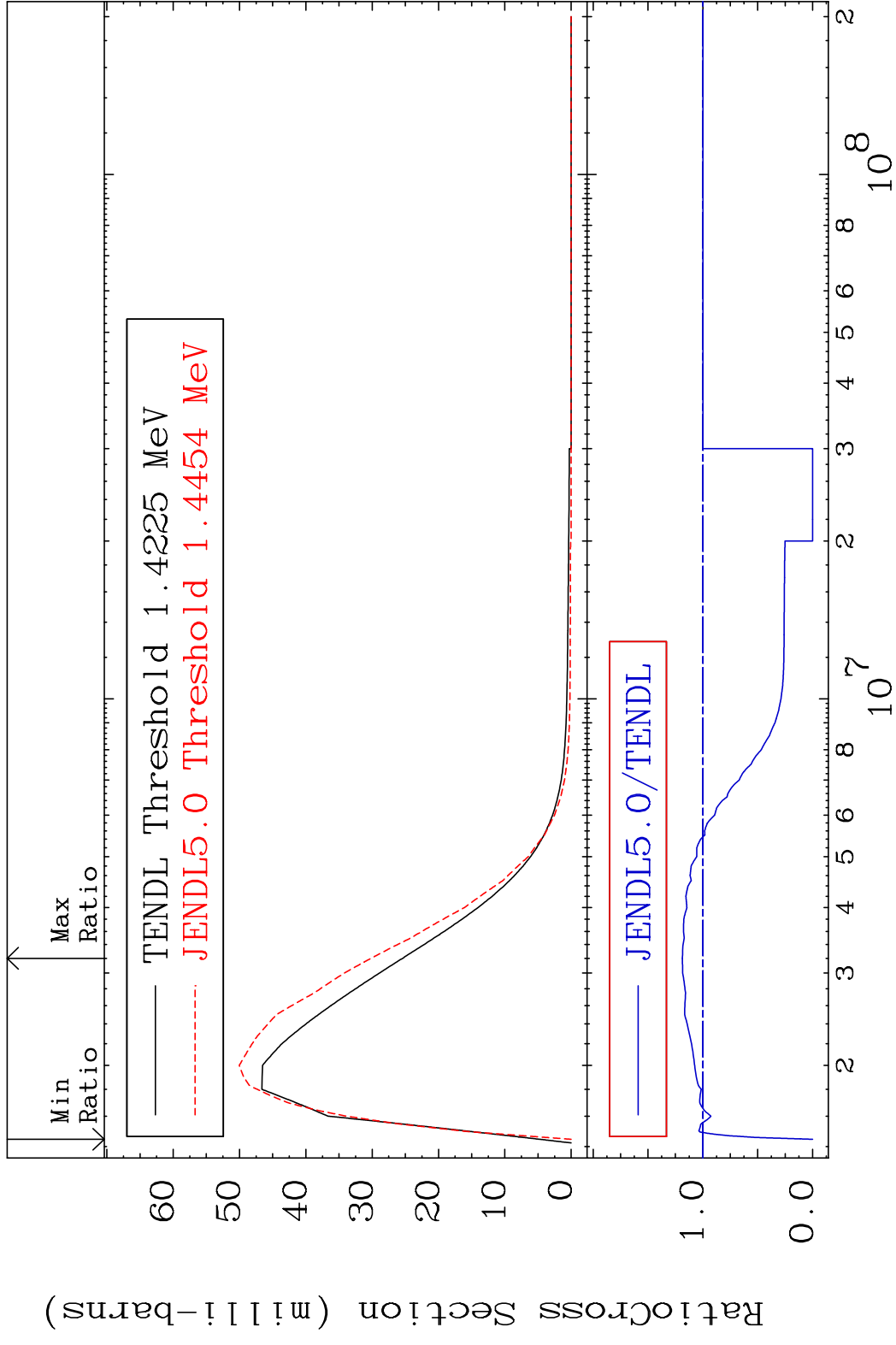




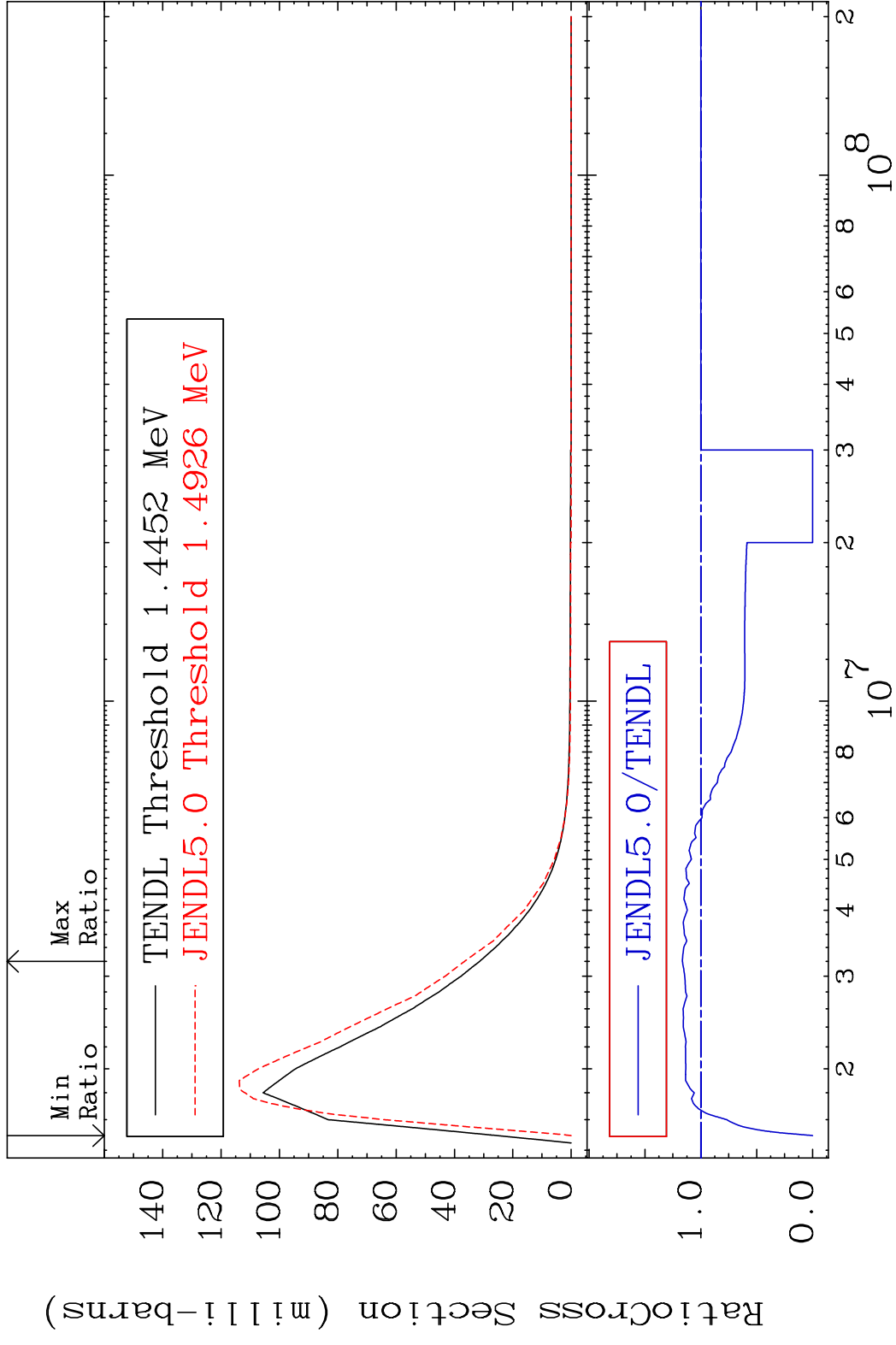
MAT 4513 MT= 69 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %



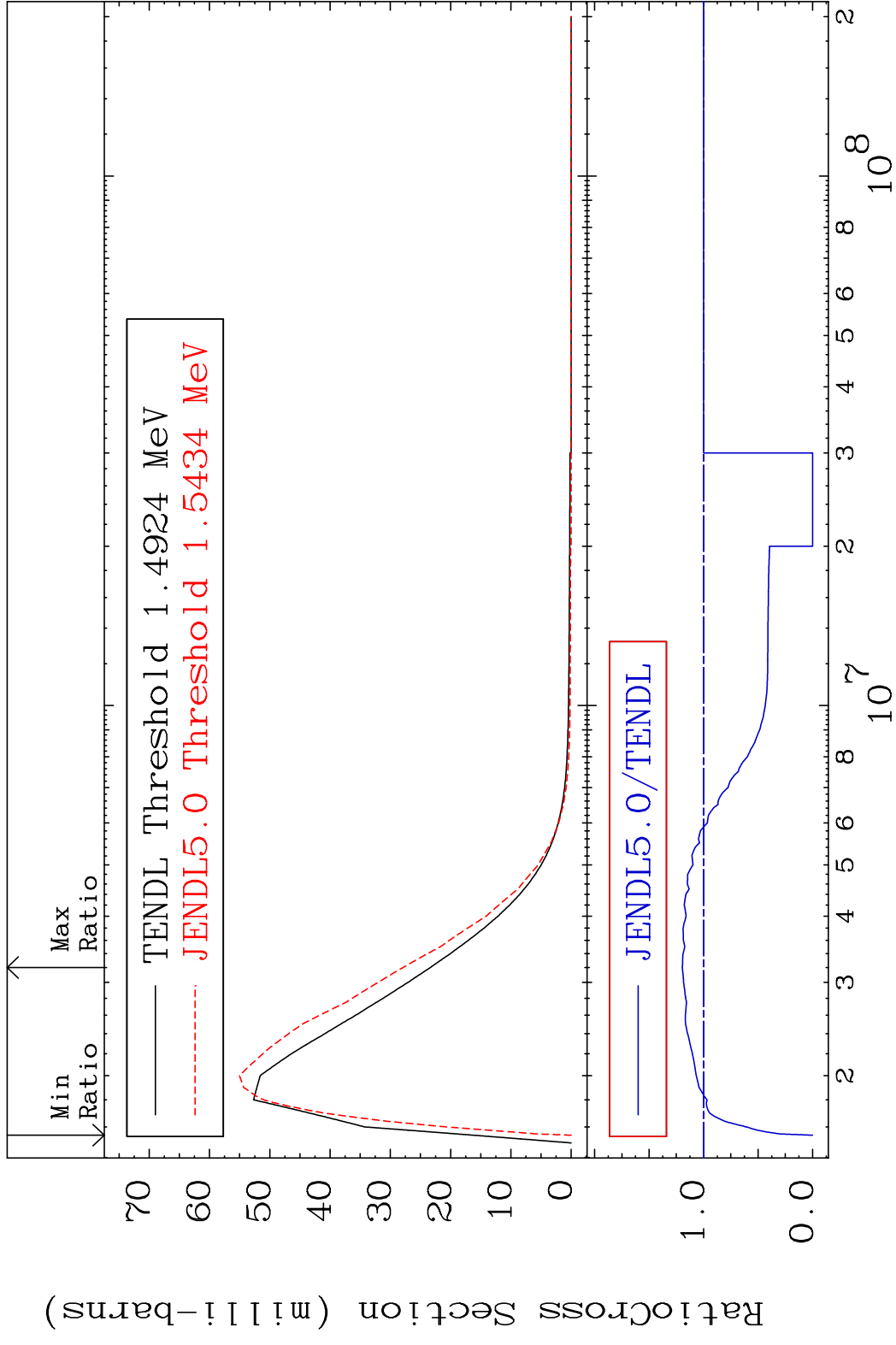
MAT 4513 MT= 70 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 18.68 %



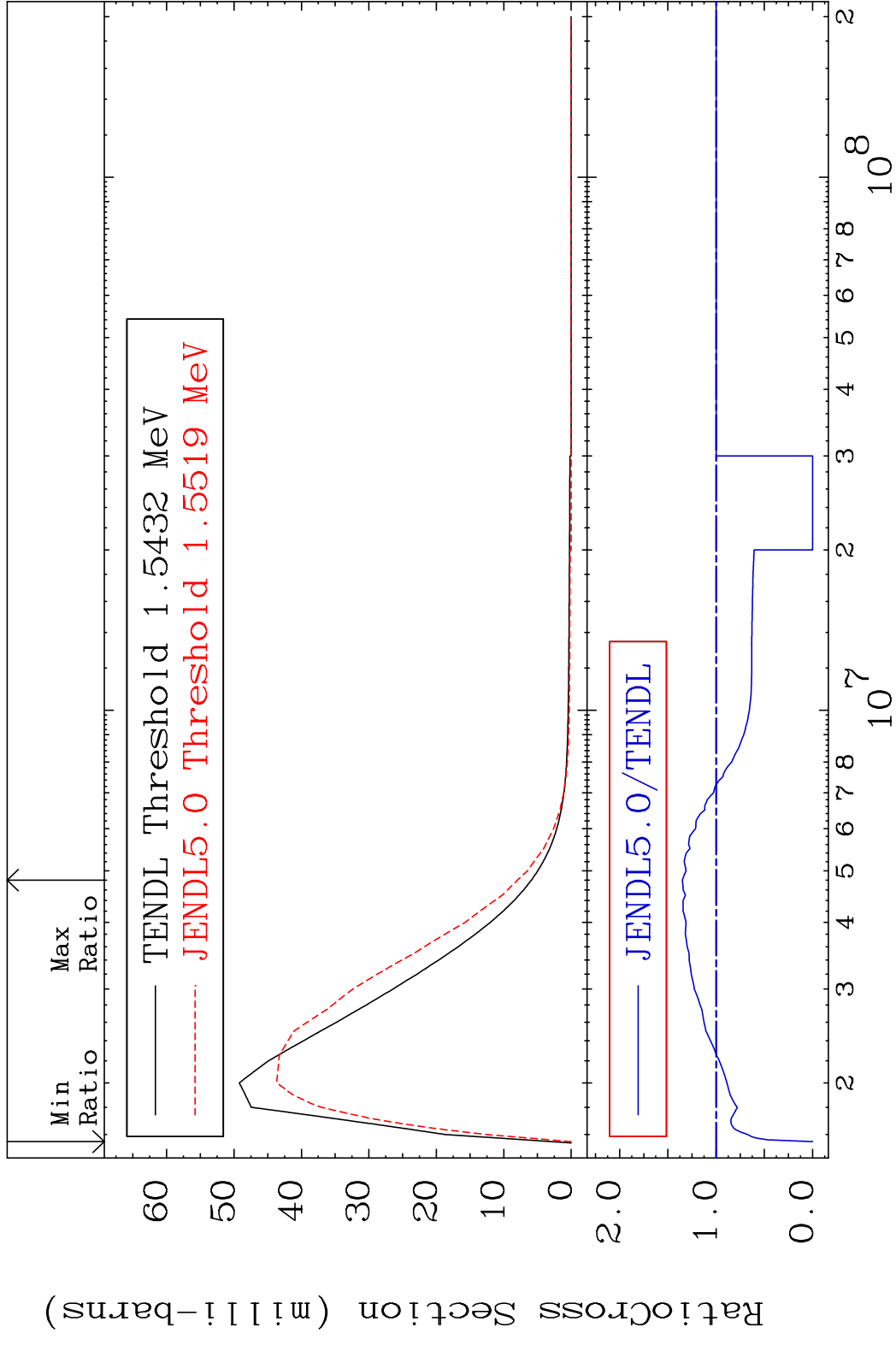
MAT 4513 MT= 71 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 16.51 %



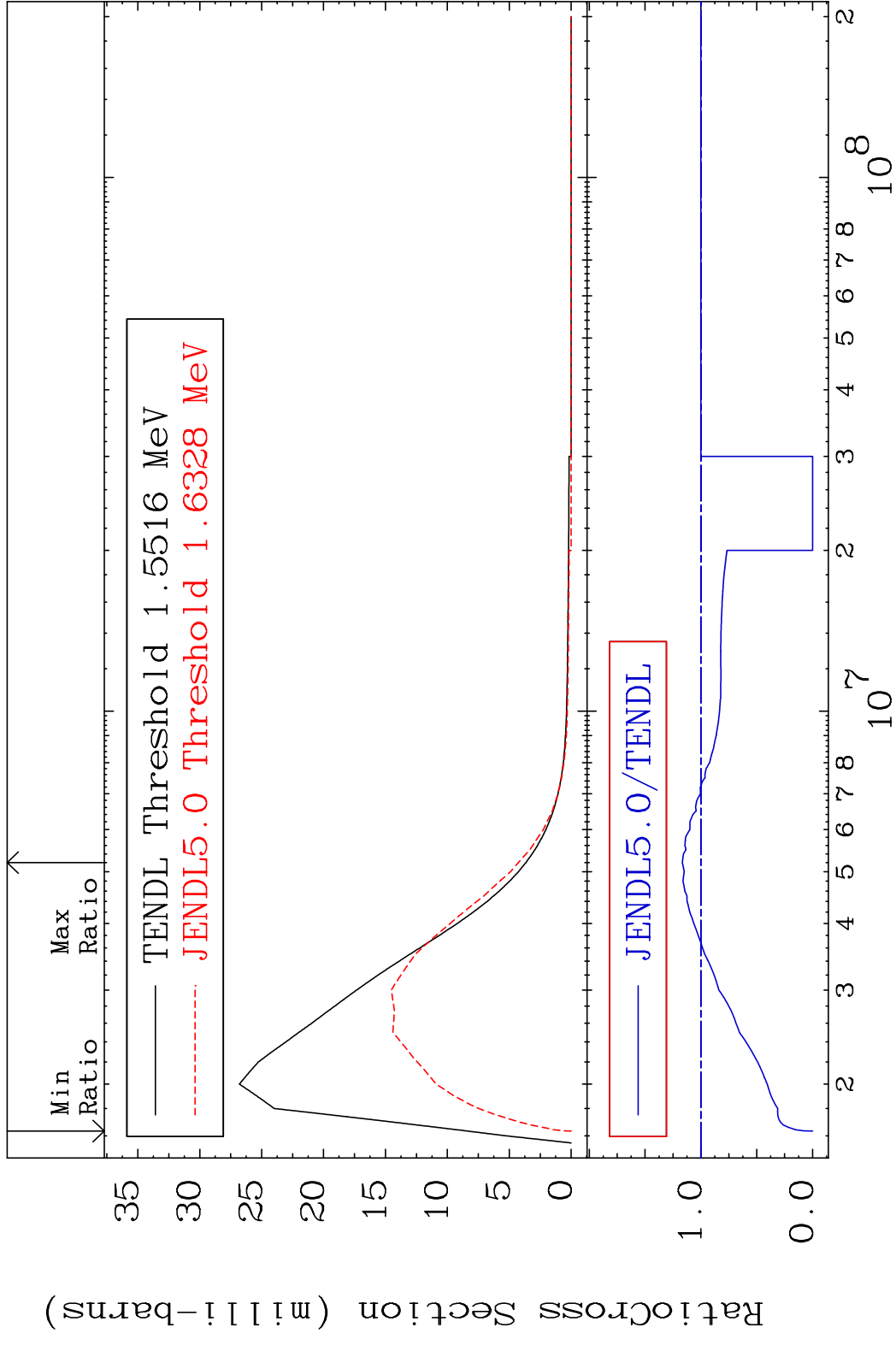
MAT 4513 MT= 72 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 19.48 %



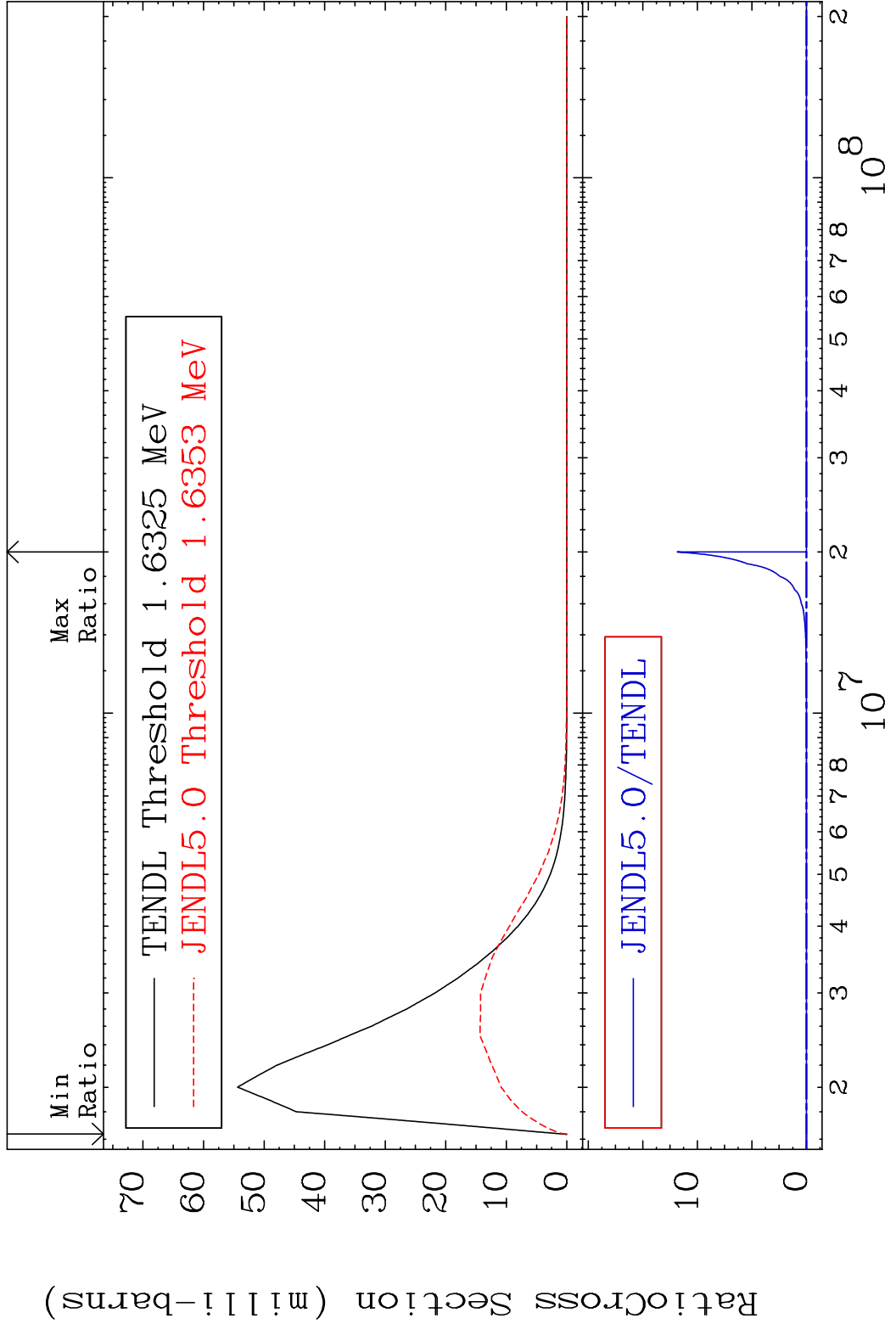
MAT 4513 MT= 73 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 34.99 %



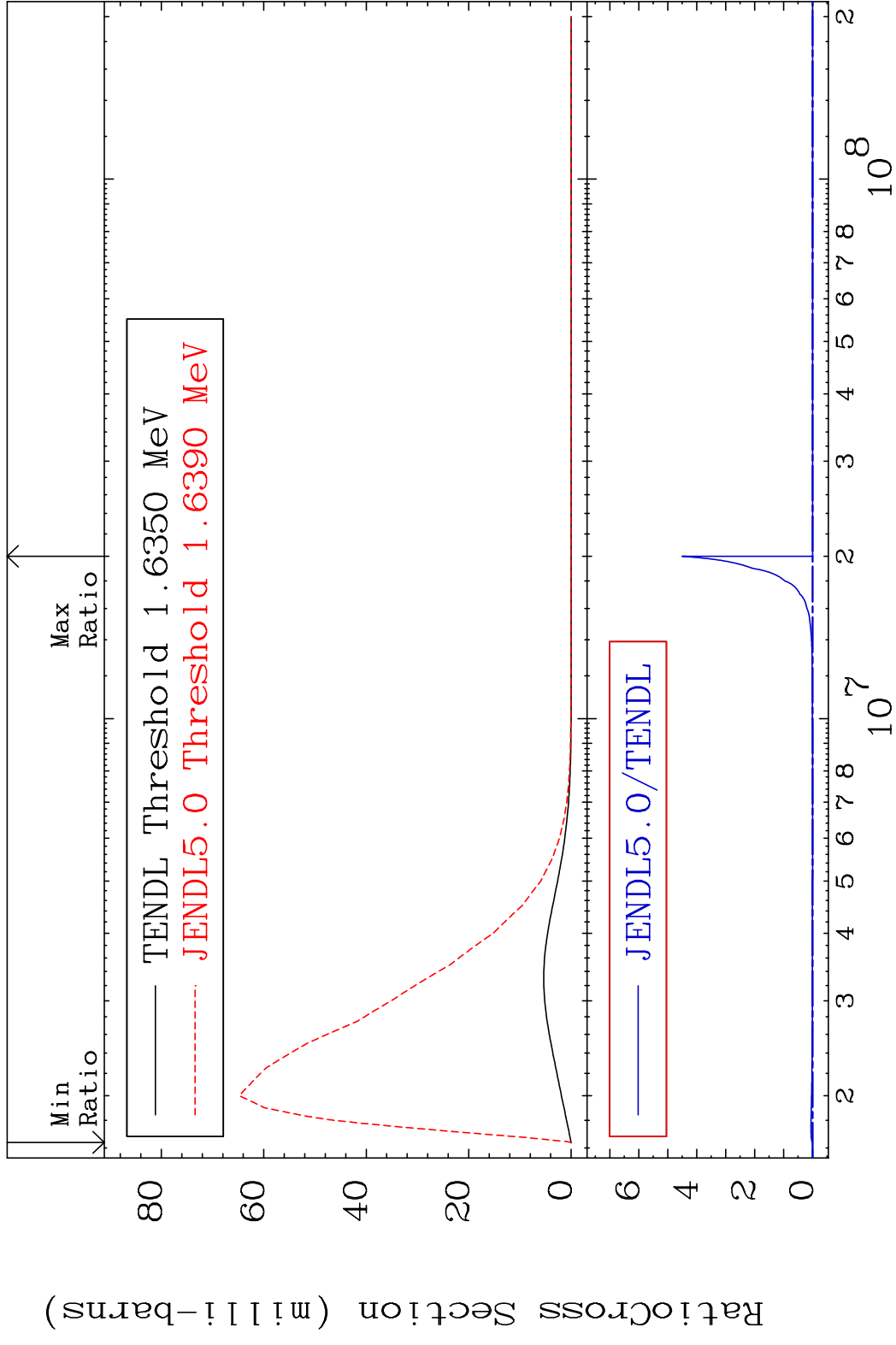
MAT 4513 MT= 74 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 16.62 %



MAT 4513 MT= 75 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %

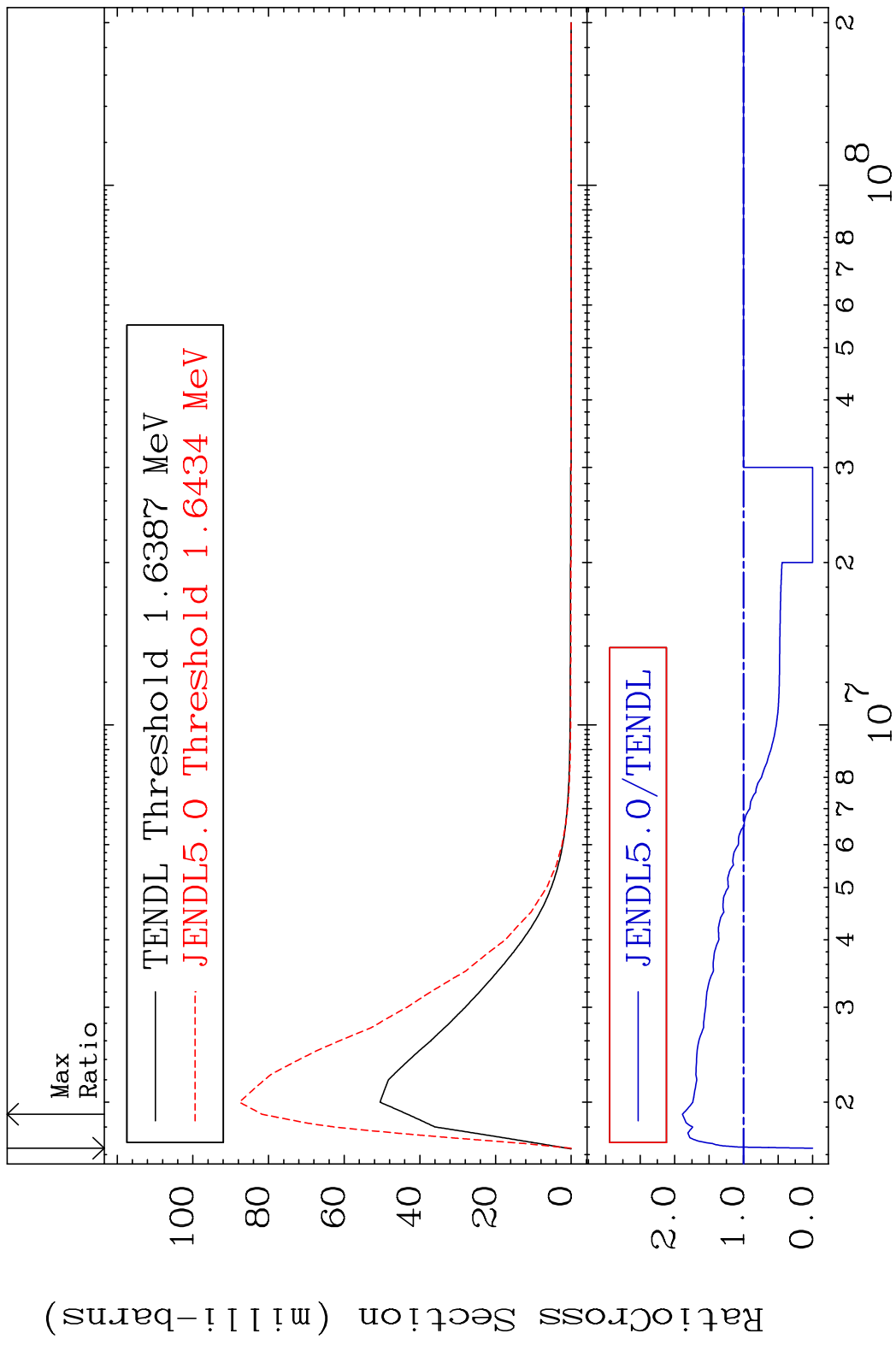


MAT 4513 MT= 76 (n, n') Level 45-Rh-99  
 Cross Section -100.0 To 9999. %





MAT 4513 MT= 77 (n,n') Level 45-Rh-99  
 Cross Section -100.0 To 88.79 %



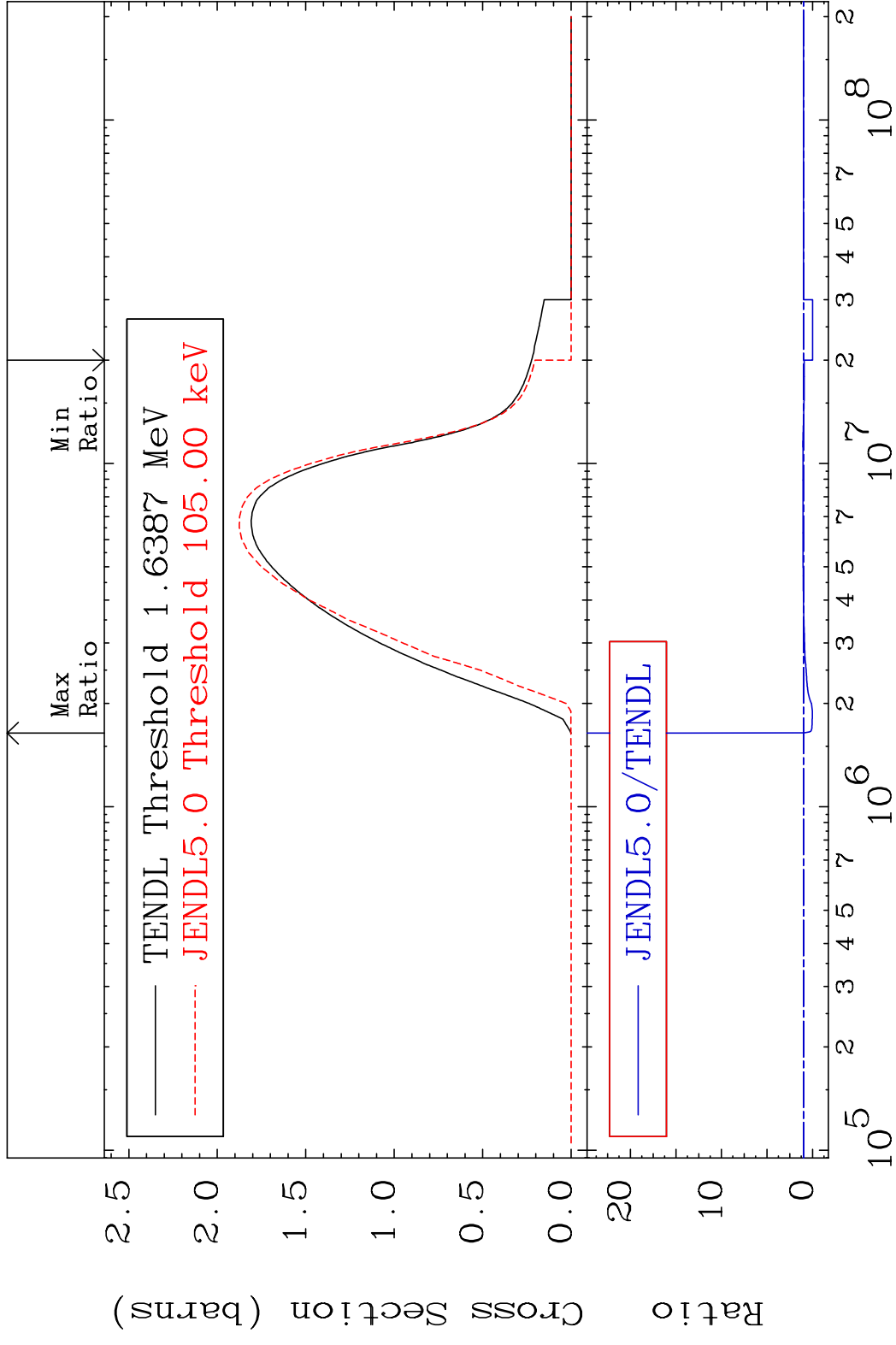
40 Incident Energy (eV) 45-Rh-99

MAT 4513

(n, n') Continuum

45-Rh-99

Cross Section -100.0 To 1330. %



41

Incident Energy (eV)

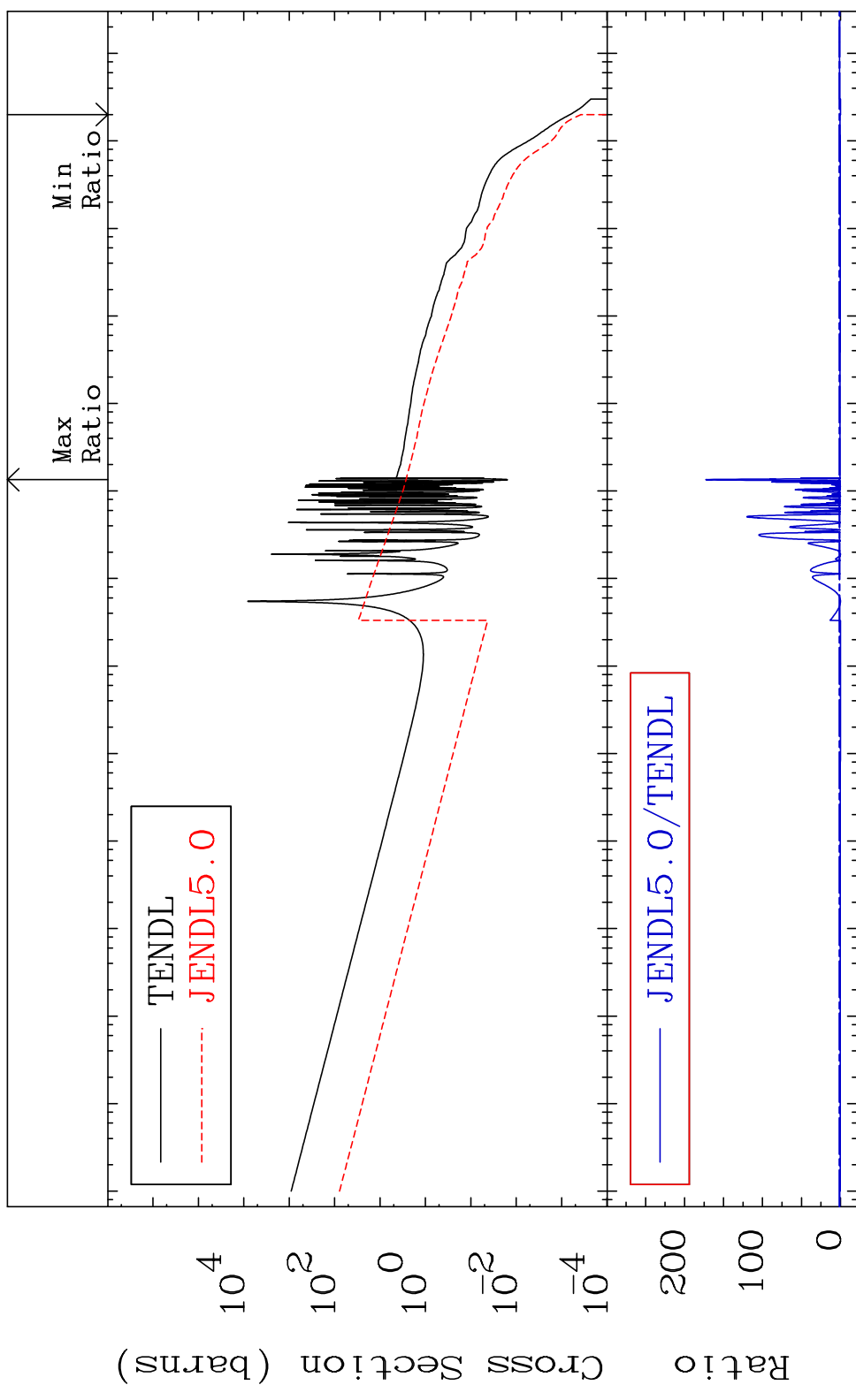
45-Rh-99

MAT 4513

(n,  $\gamma$ )

45-Rh-99

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

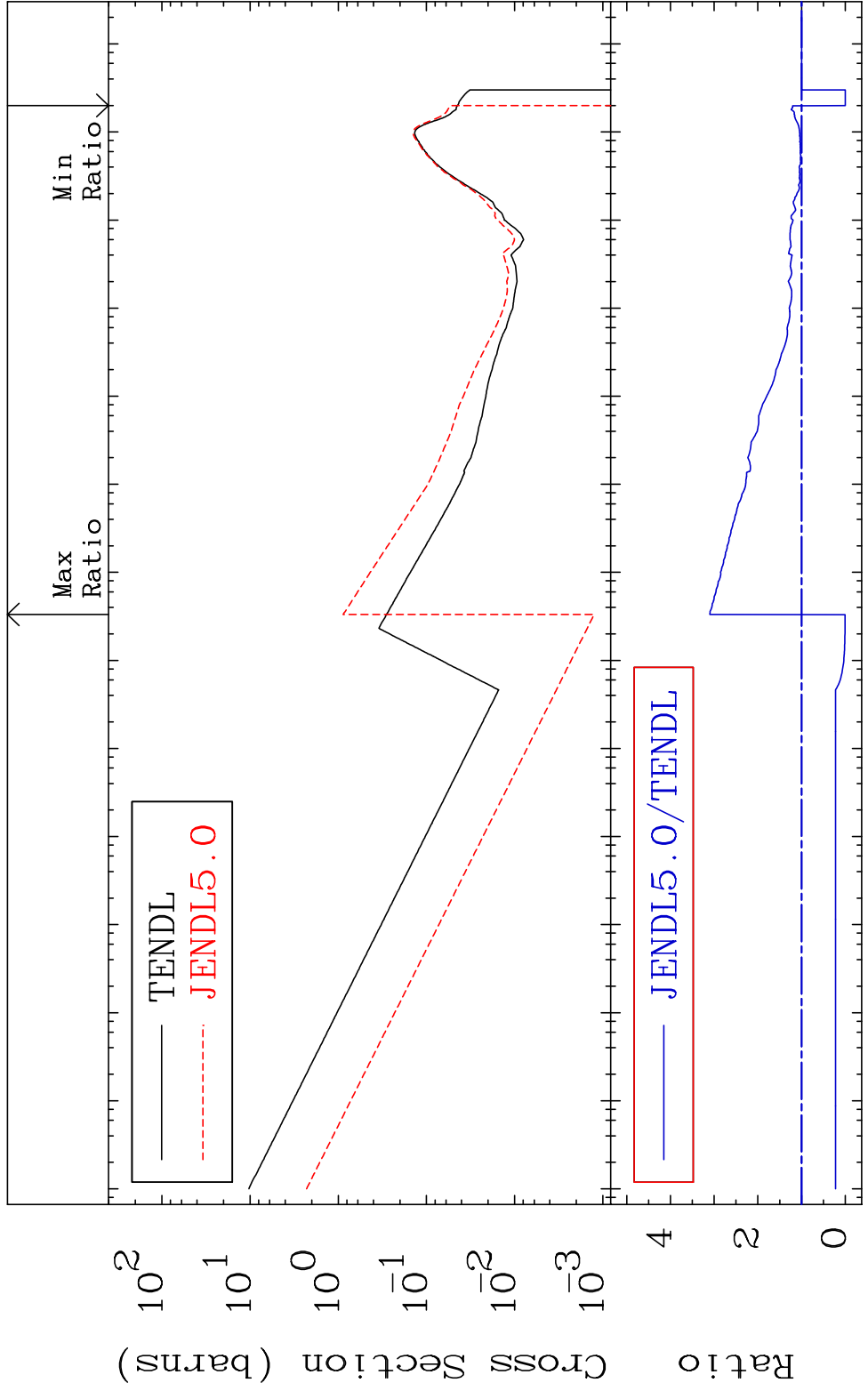
45-Rh-99

MAT 4513

(n, p)

45-Rh-99

Cross Section -100.0 To 210.0 %

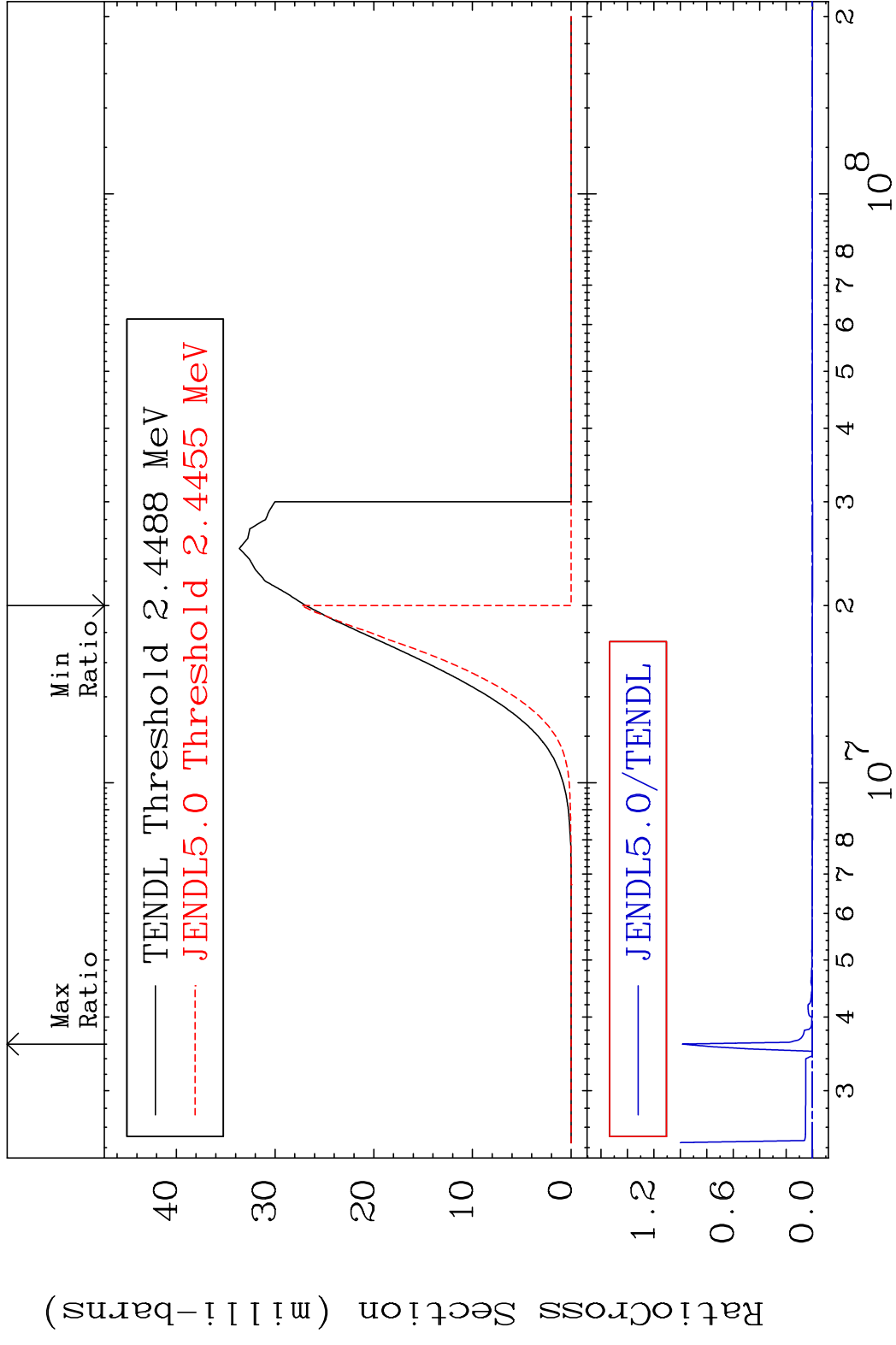


43

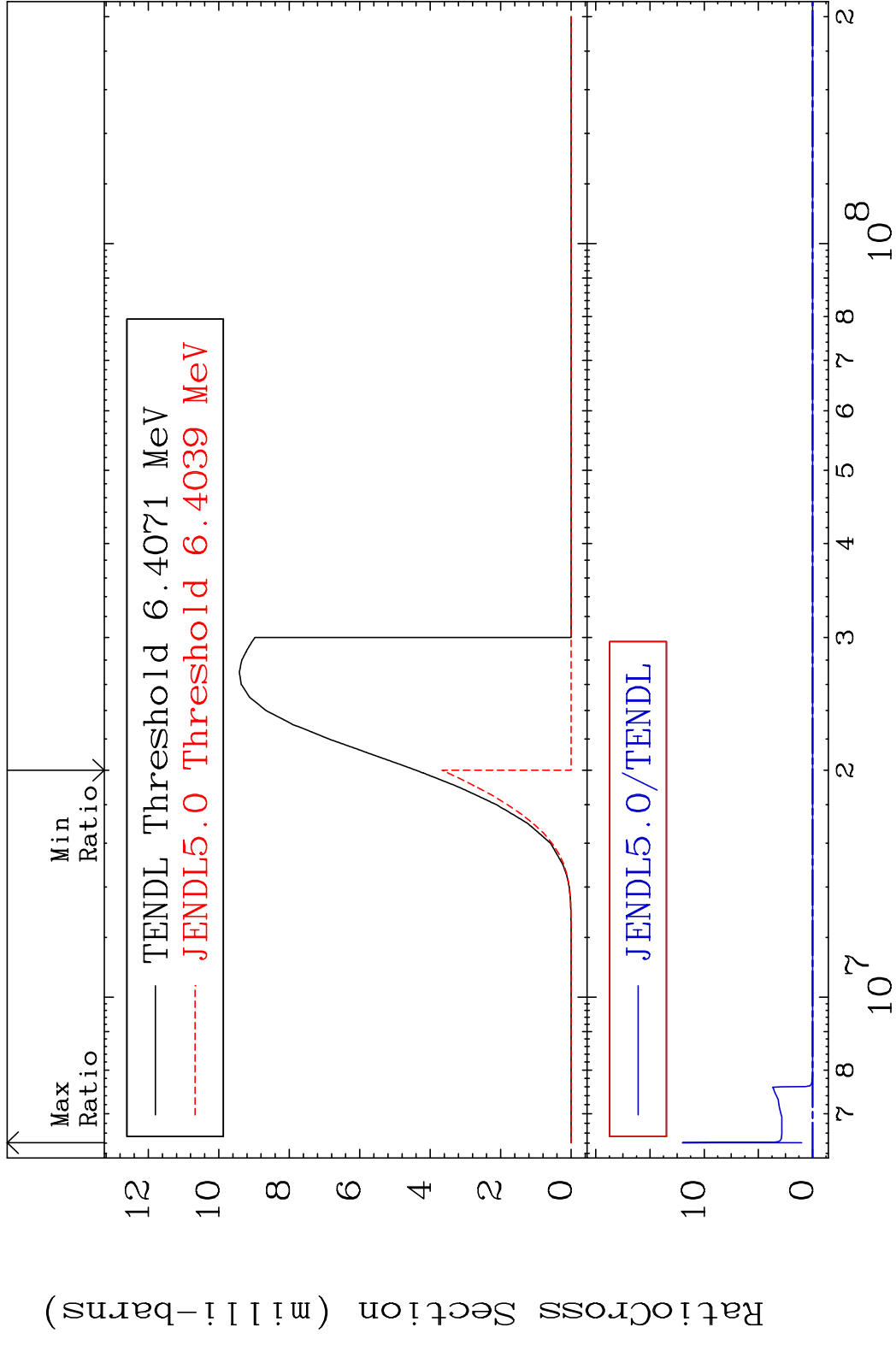
Incident Energy (eV)

45-Rh-99

MAT 4513 (n,d) 45-Rh-99  
 Cross Section -100.0 To 9999. %

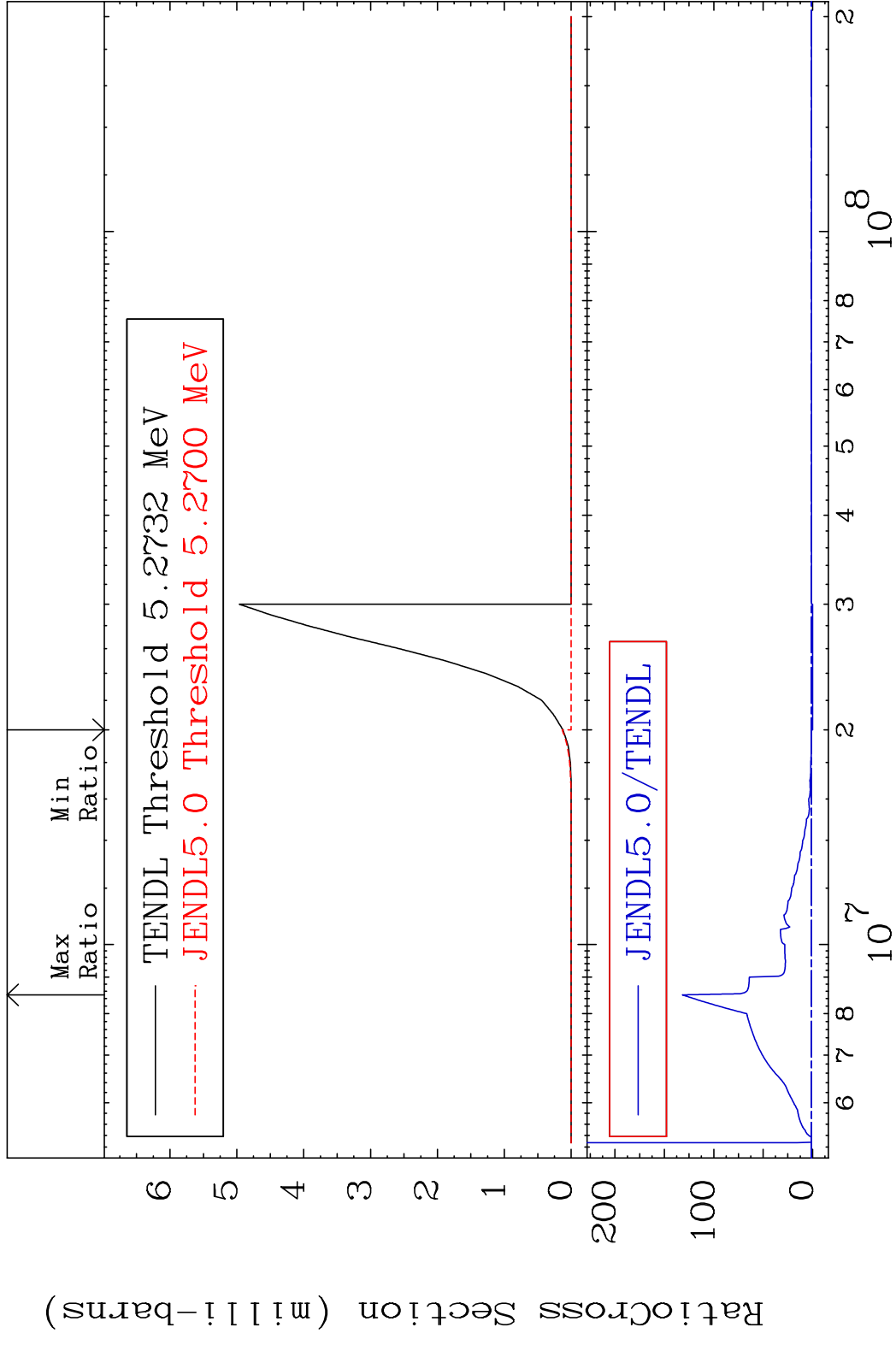


MAT 4513 (n, t) 45-Rh-99  
 Cross Section -100.0 To 9999. %



45 Incident Energy (eV) 45-Rh-99

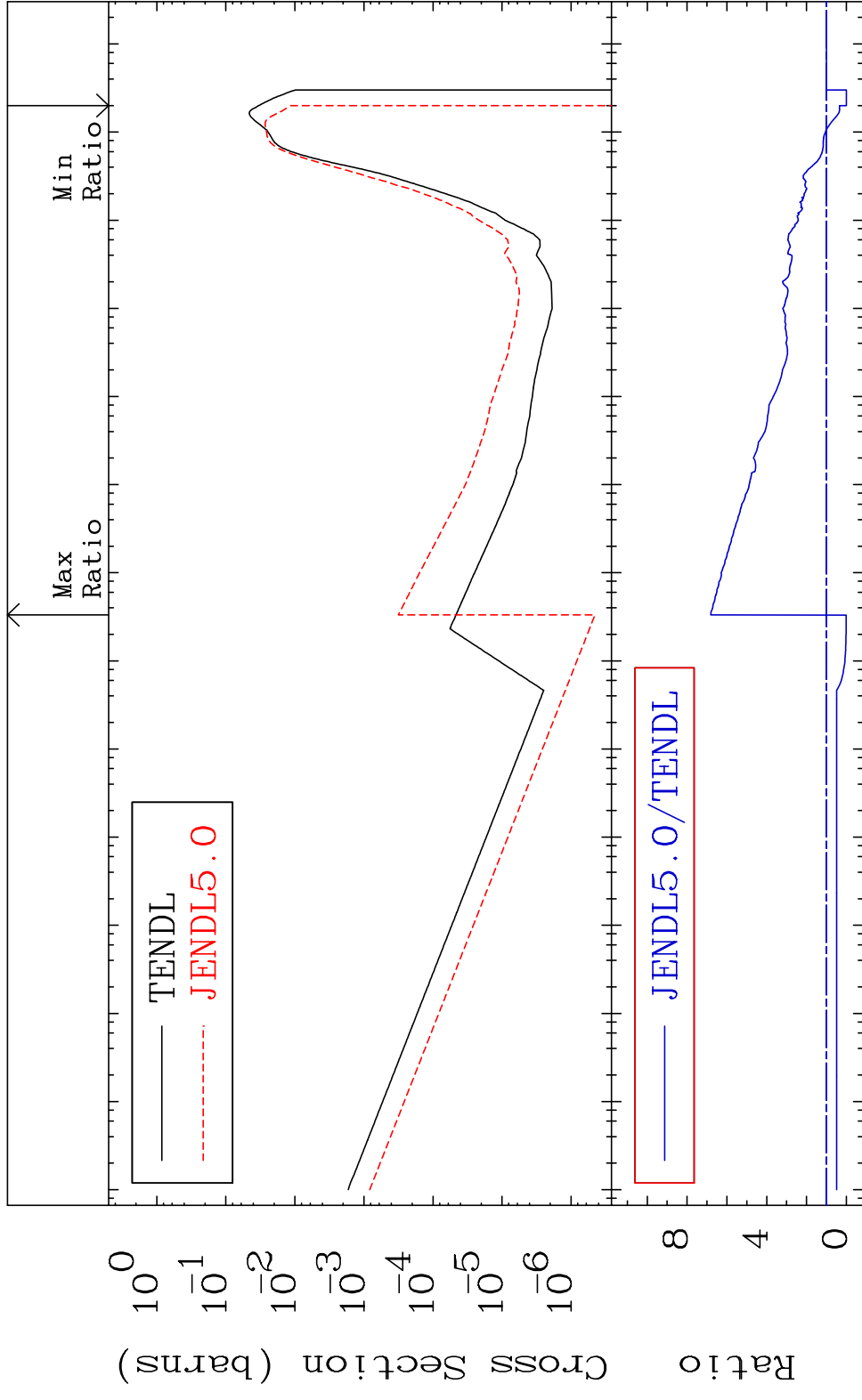
MAT 4513 (n, He-3) 45-Rh-99  
 Cross Section -100.0 To 9999. %



46 45-Rh-99

MAT 4513

(n,  $\alpha$ )  
Cross Section -100.0 To 581.2 %  
45-Rh-99



47

Incident Energy (eV)

45-Rh-99

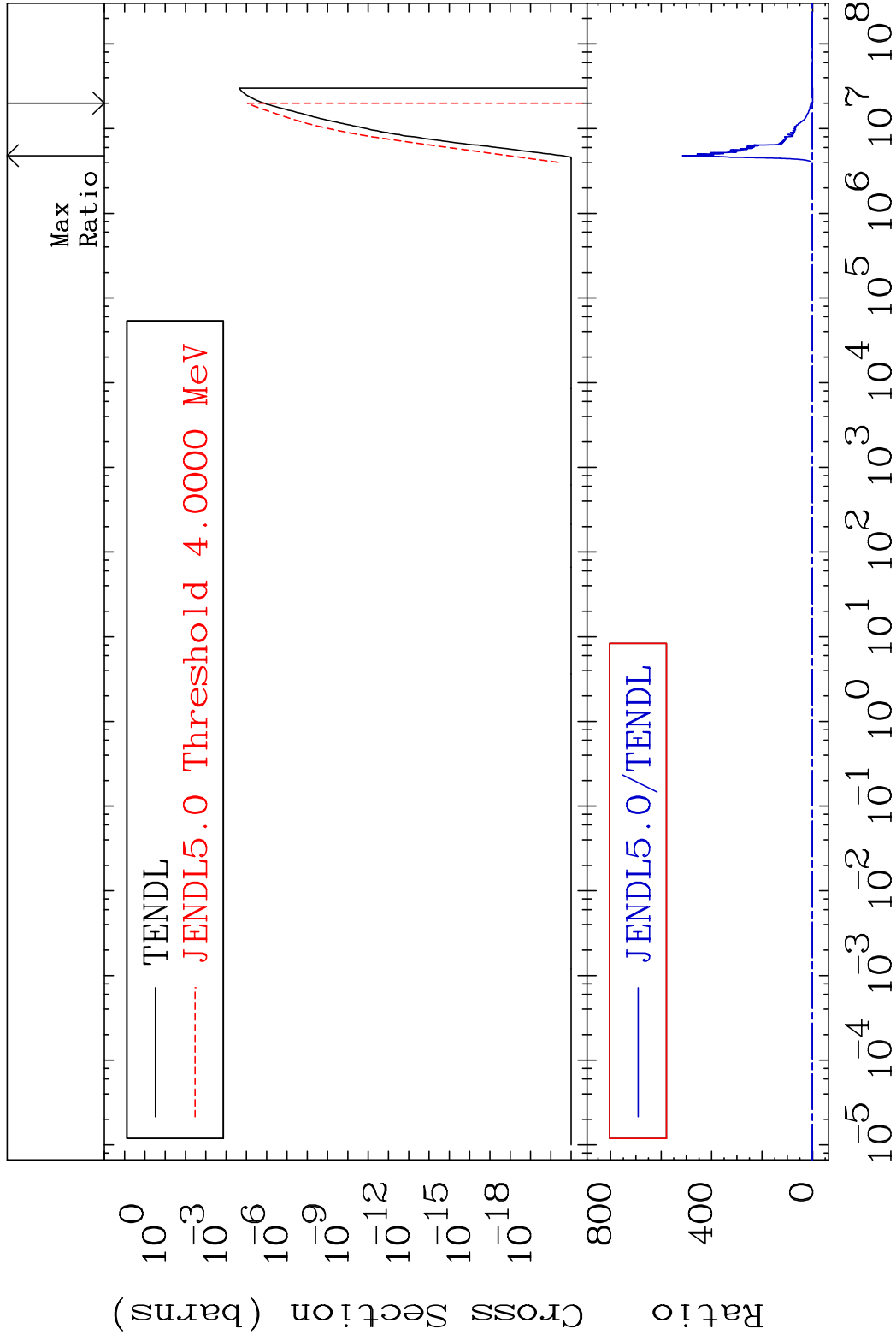


MAT 4513

(n,2α)

45-Rh-99

Cross Section -100.0 To 9999. %

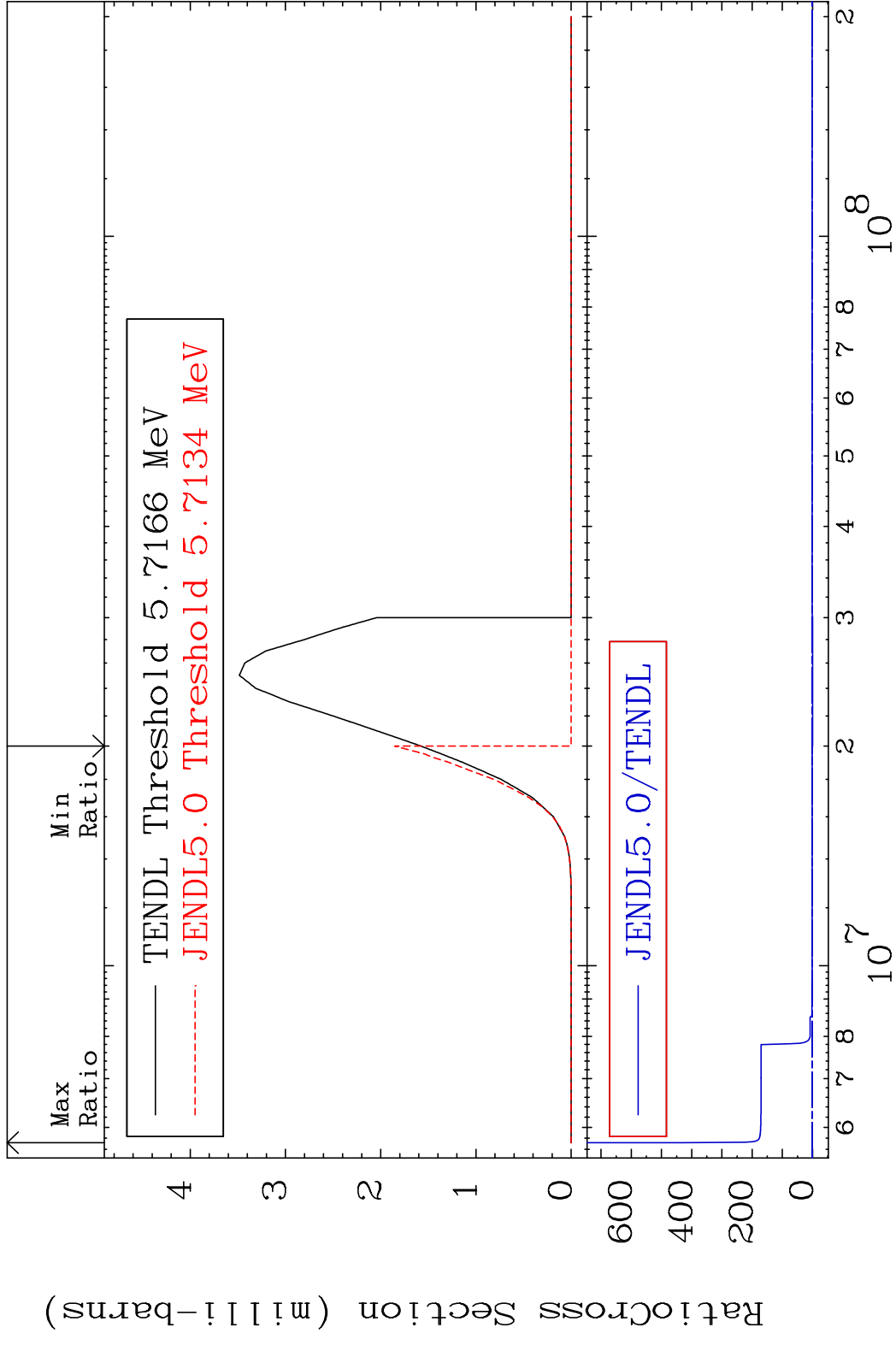


48

Incident Energy (eV)

45-Rh-99

MAT 4513 (n,2p) 45-Rh-99  
 Cross Section -100.0 To 9999. %

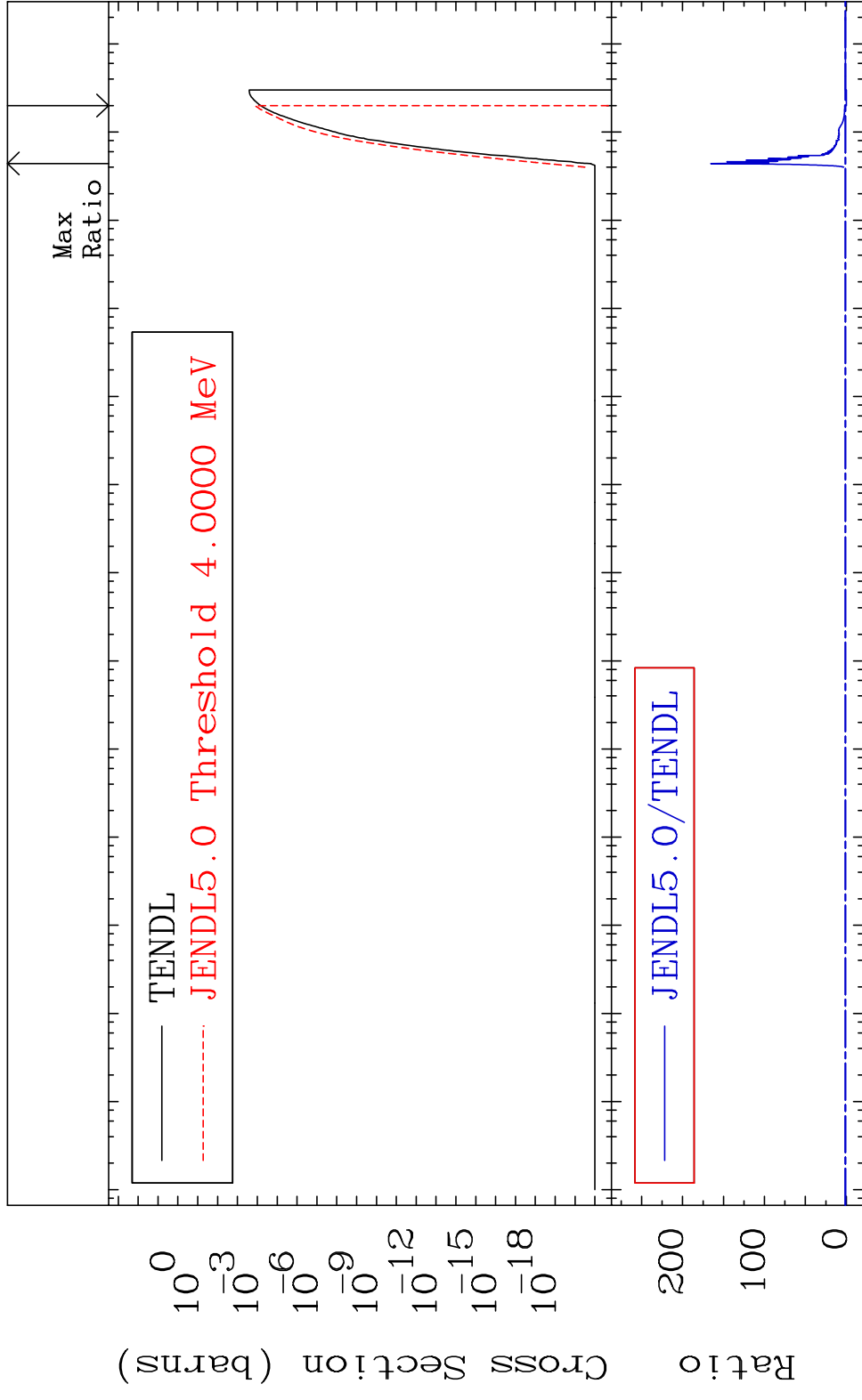


MAT 4513

(n,p)  $\alpha$

45-Rh-99

Cross Section -100.0 To 9999. %



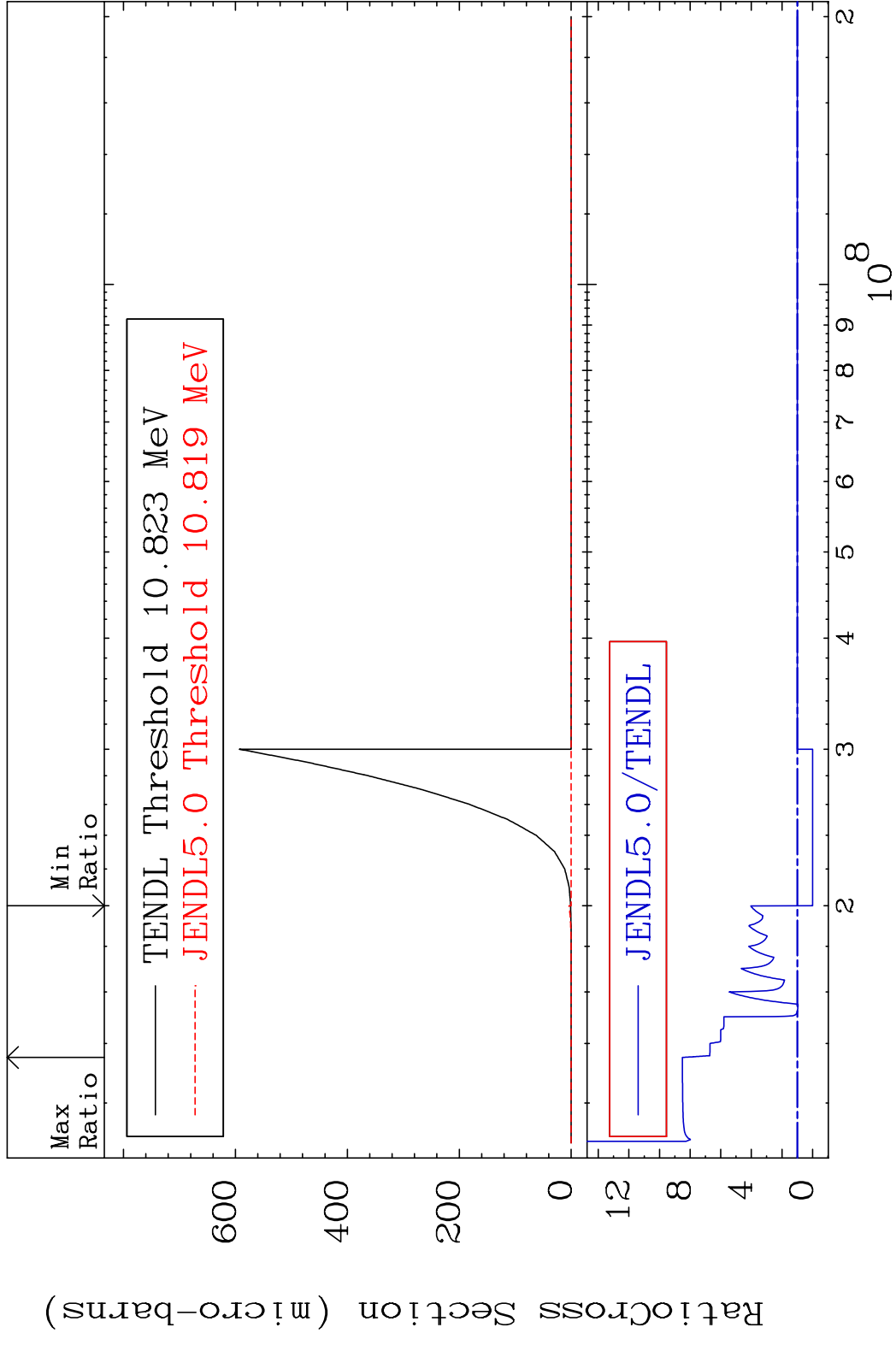
10<sup>0</sup> 10<sup>-3</sup> 10<sup>-6</sup> 10<sup>-9</sup> 10<sup>-12</sup> 10<sup>-15</sup> 10<sup>-18</sup> 200 100 0

50

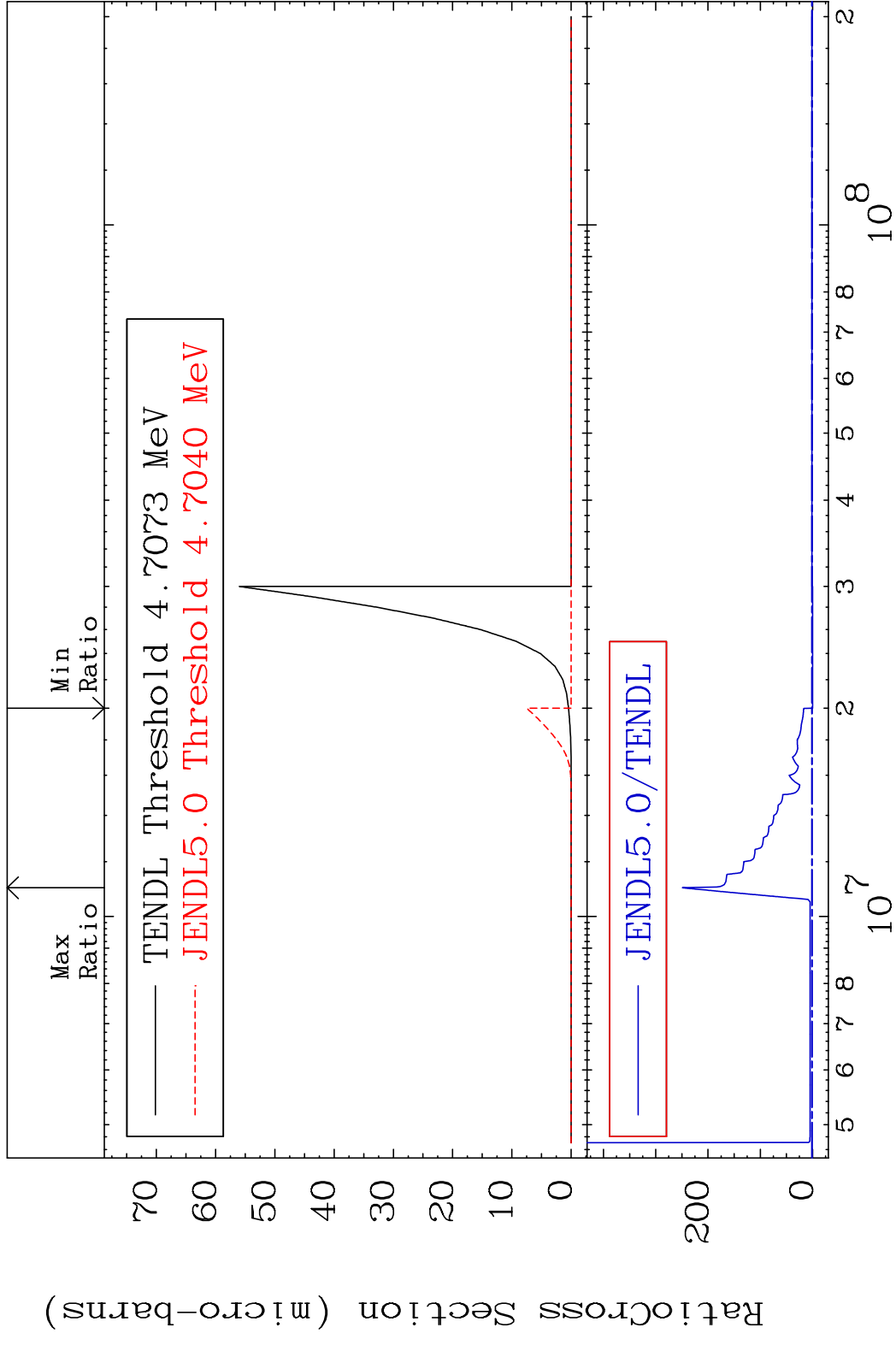
Incident Energy (eV)

45-Rh-99

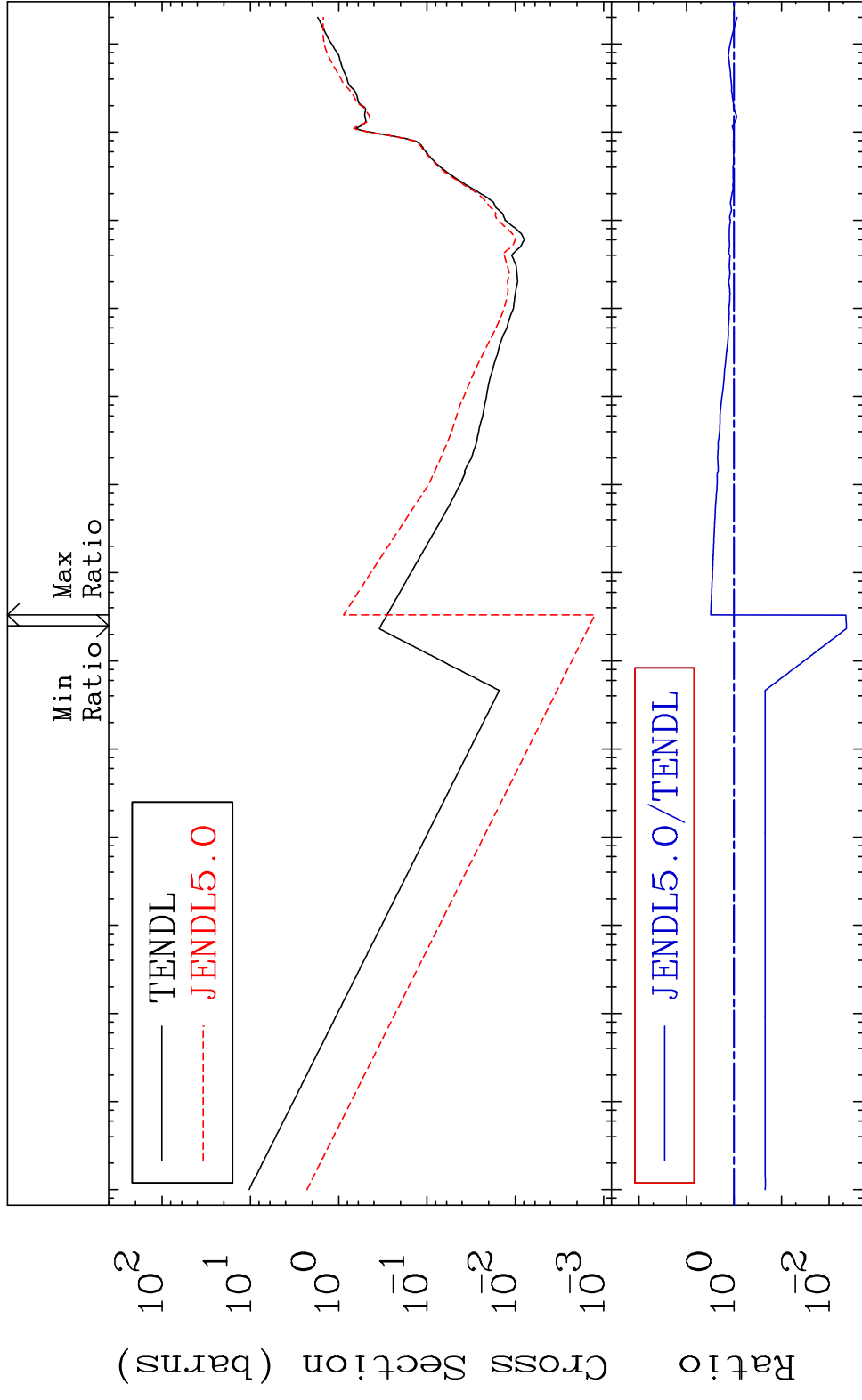
MAT 4513 (n,p) d 45-Rh-99  
 Cross Section -100.0 To 750.7 %

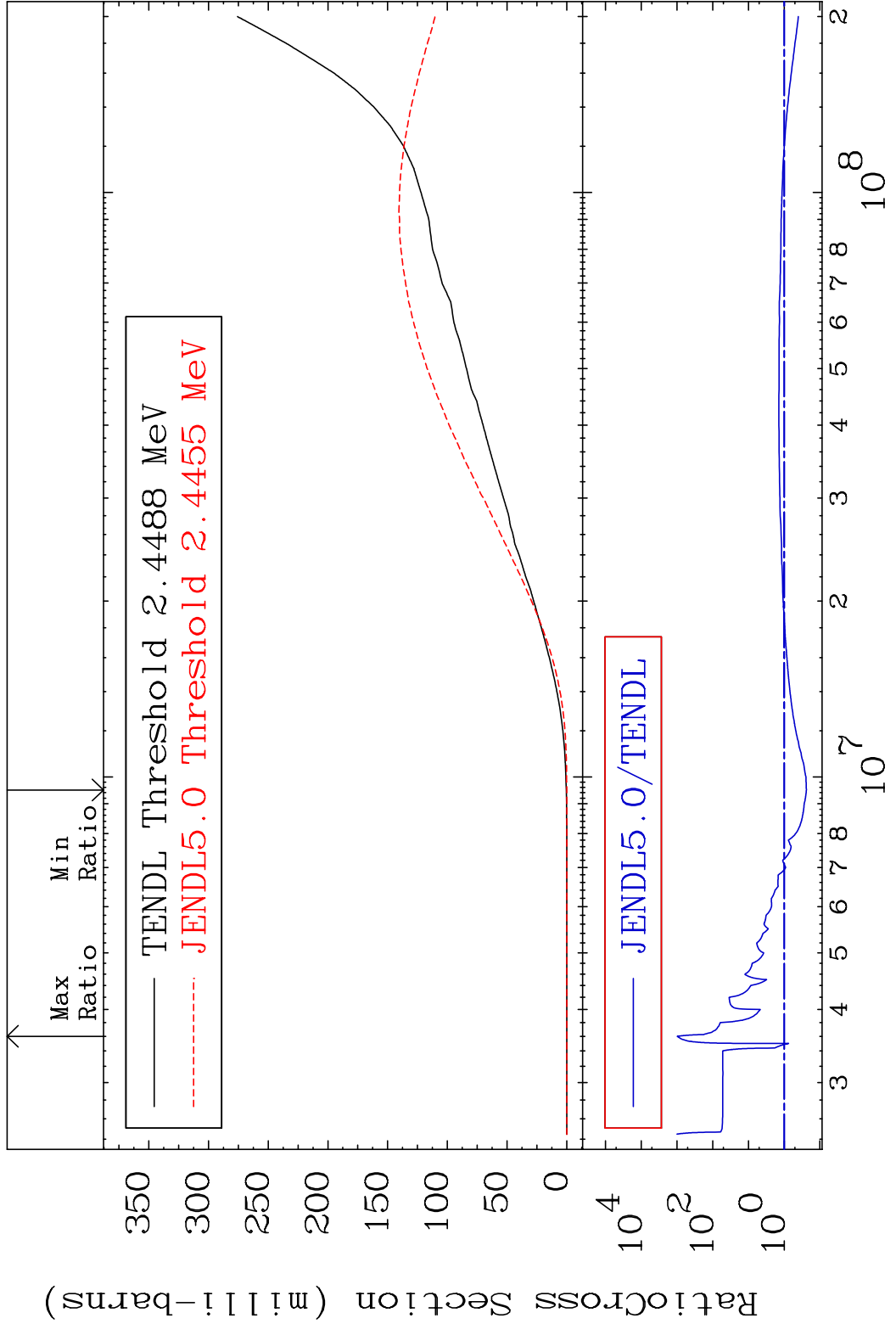


MAT 4513 (n,d)  $\alpha$  45-Rh-99  
 Cross Section -100.0 To 9999. %

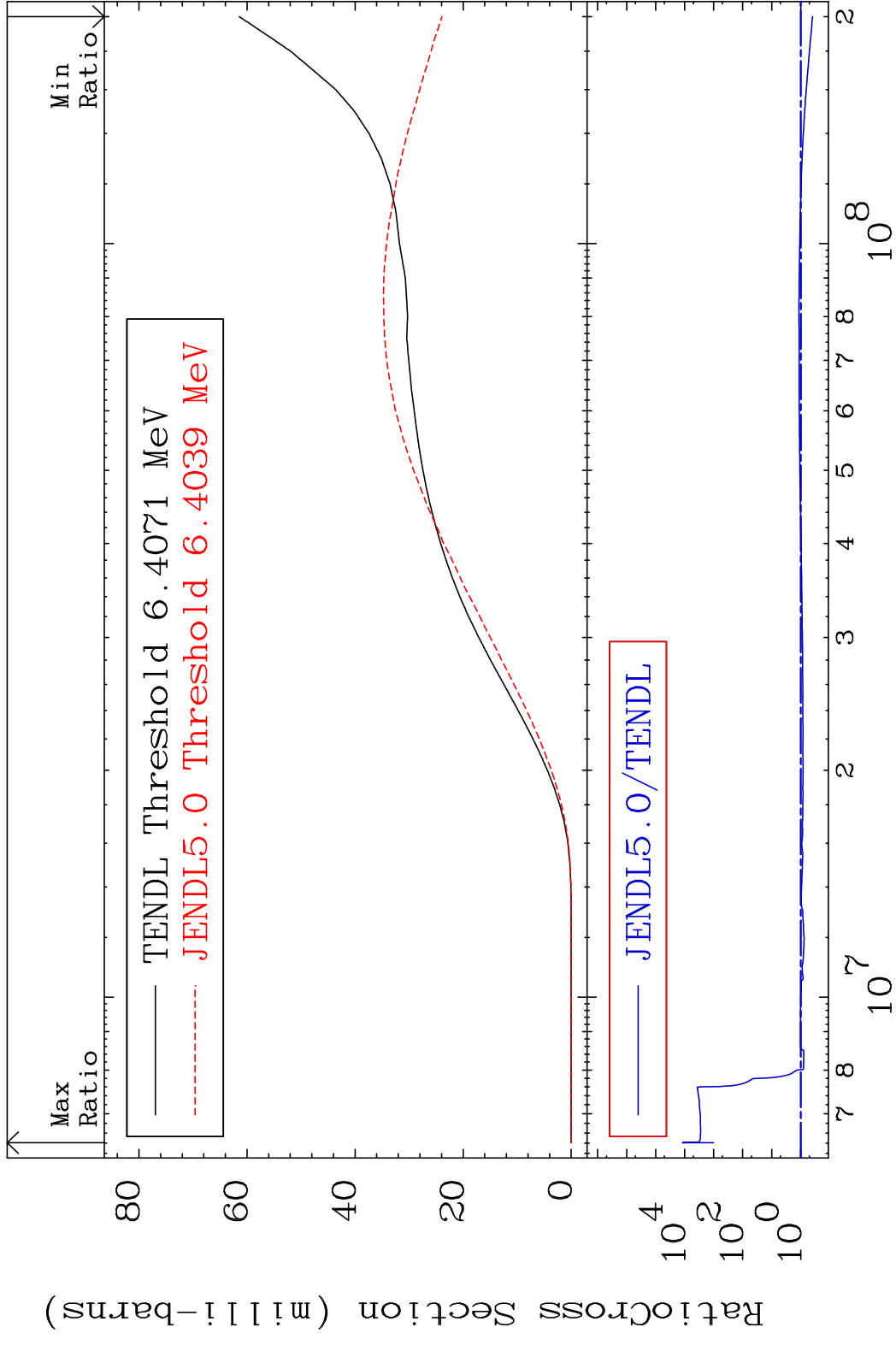


MAT 4513 Hydrogen Production 45-Rh-99  
 Cross Section -99.57 To 210.0 %





MAT 4513 Tritium Production 45-Rh-99  
 Cross Section -61.04 To 9999. %



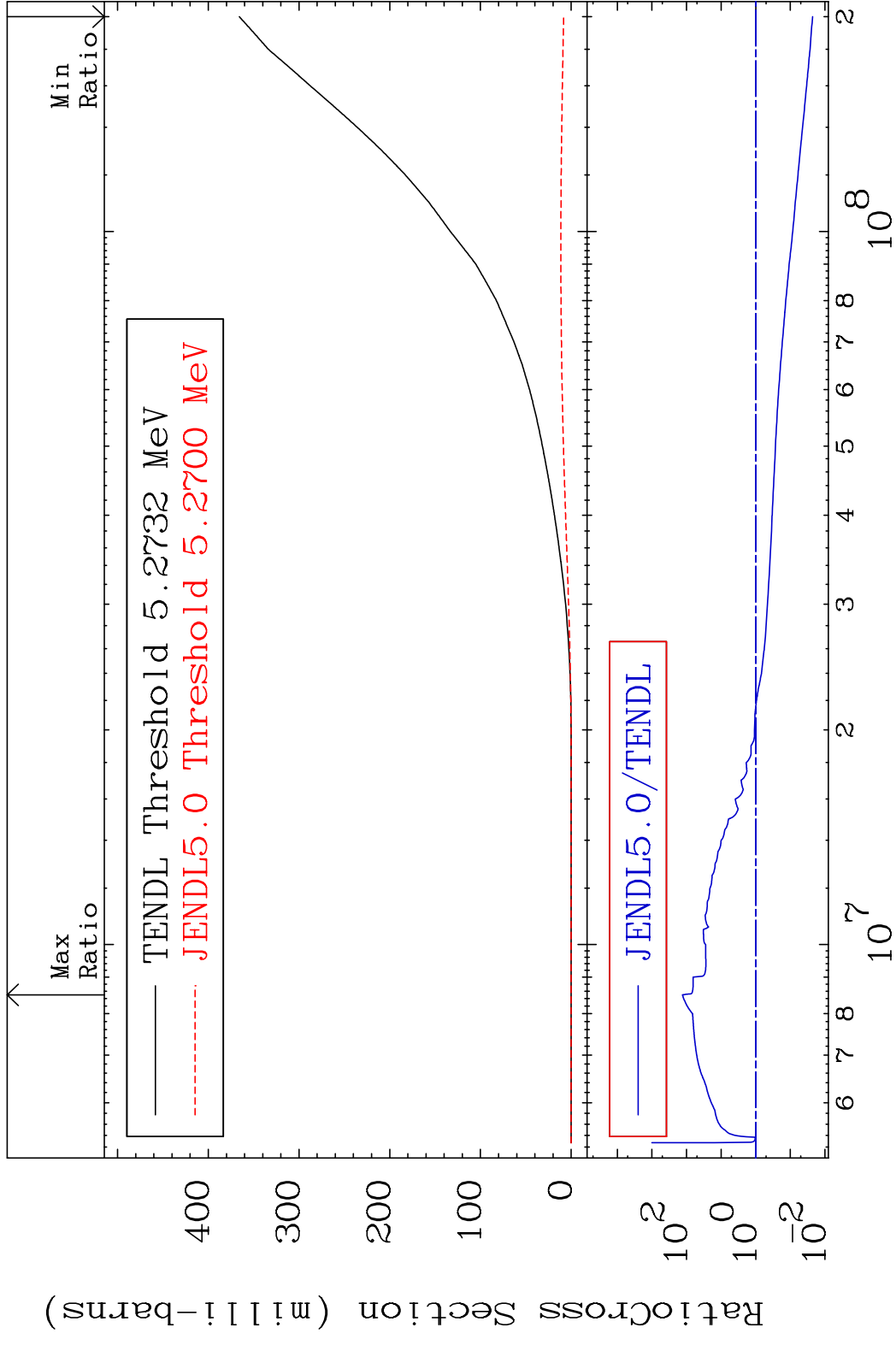


MAT 4513

He-3 Production

45-Rh-99

Cross Section -97.72 To 9999. %



56

Incident Energy (eV)

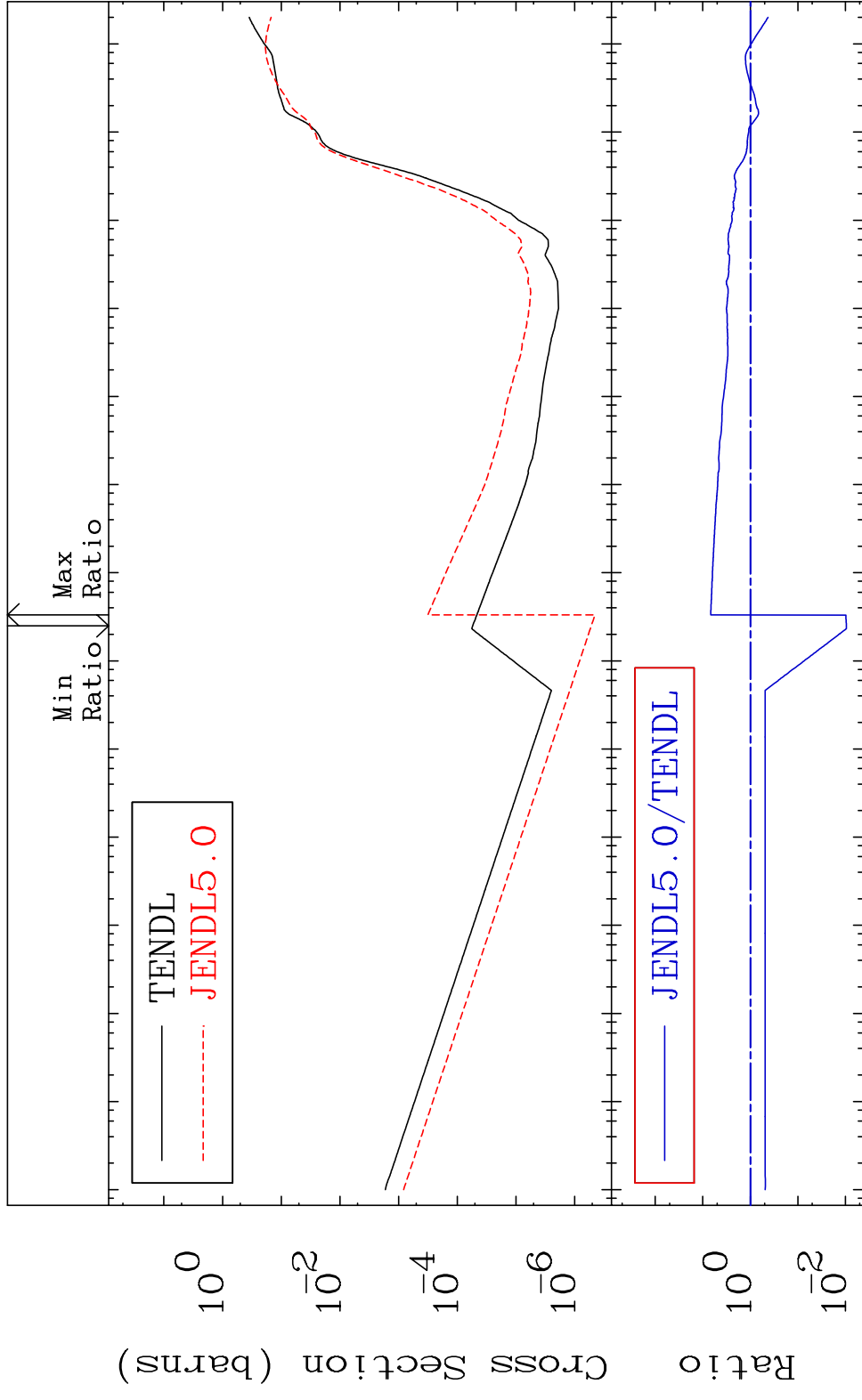
45-Rh-99

MAT 4513

He-4 Production

45-Rh-99

Cross Section -99.05 To 581.2 %

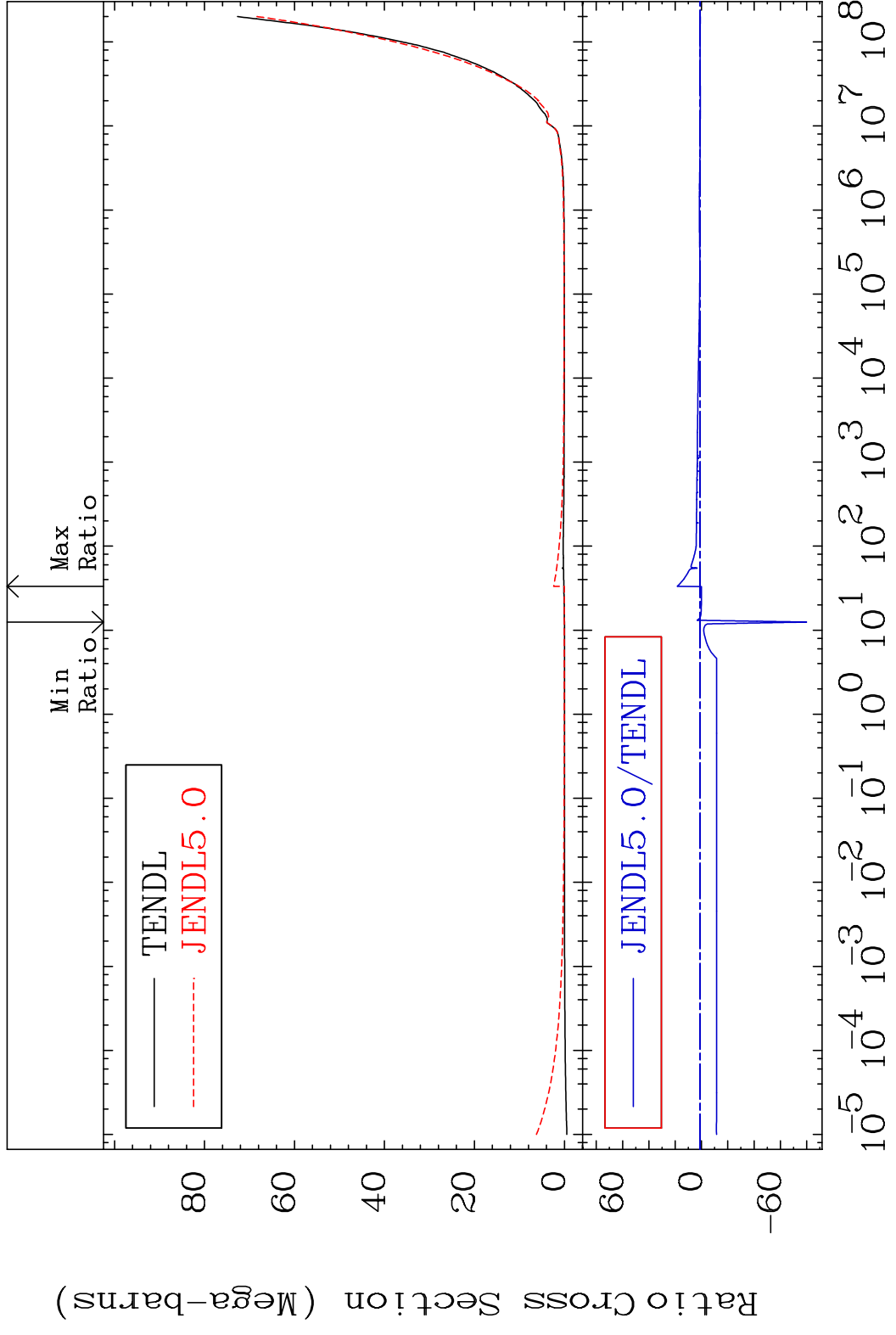


57

Incident Energy (eV)

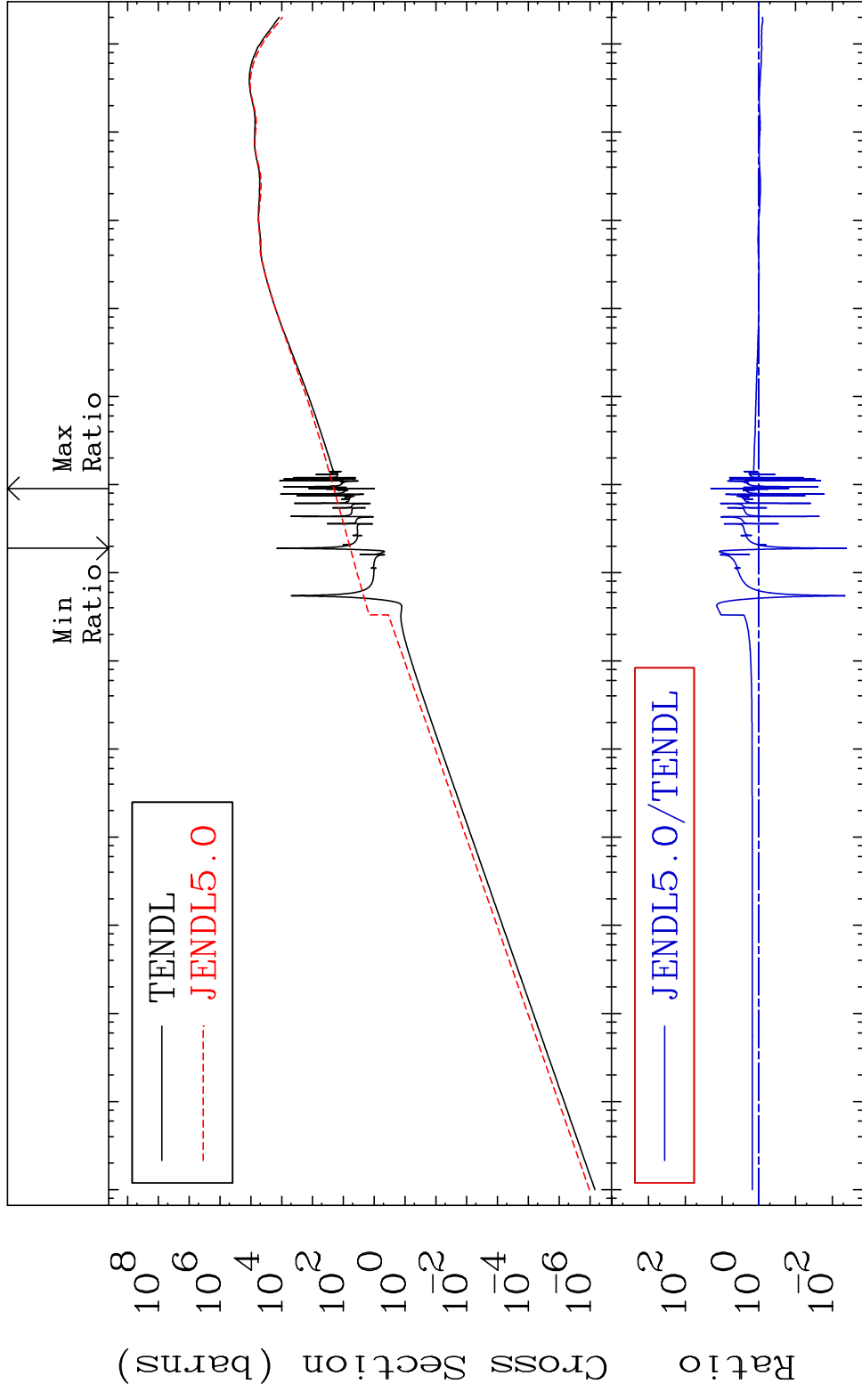
45-Rh-99

MAT 4513 Kerma total (eV-barns) 45-Rh-99  
Cross Section -8079. To 1747. %



MAT 4513

Kerma elastic Cross Section -99.59 To 1938. %  
45-Rh-99

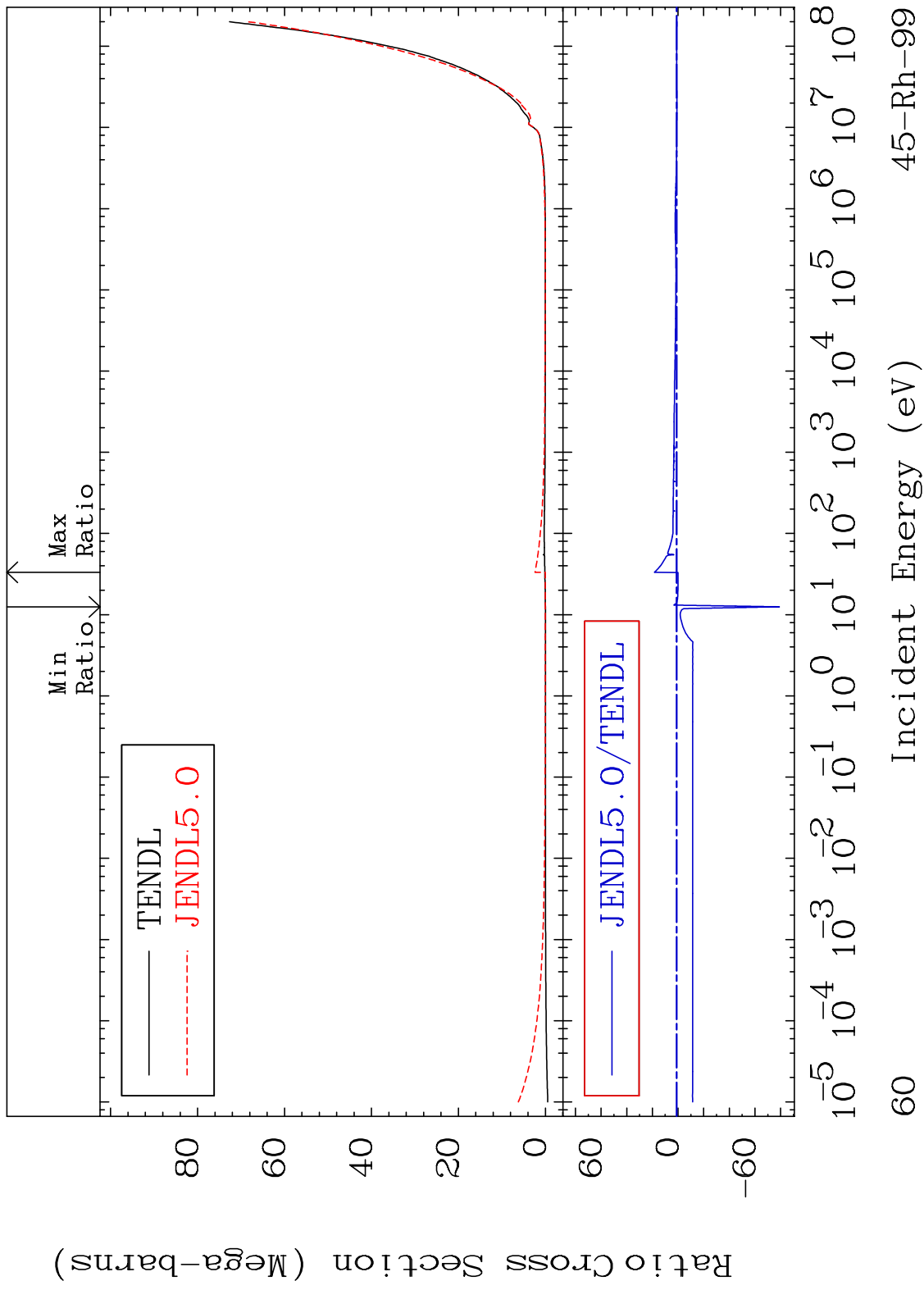


59

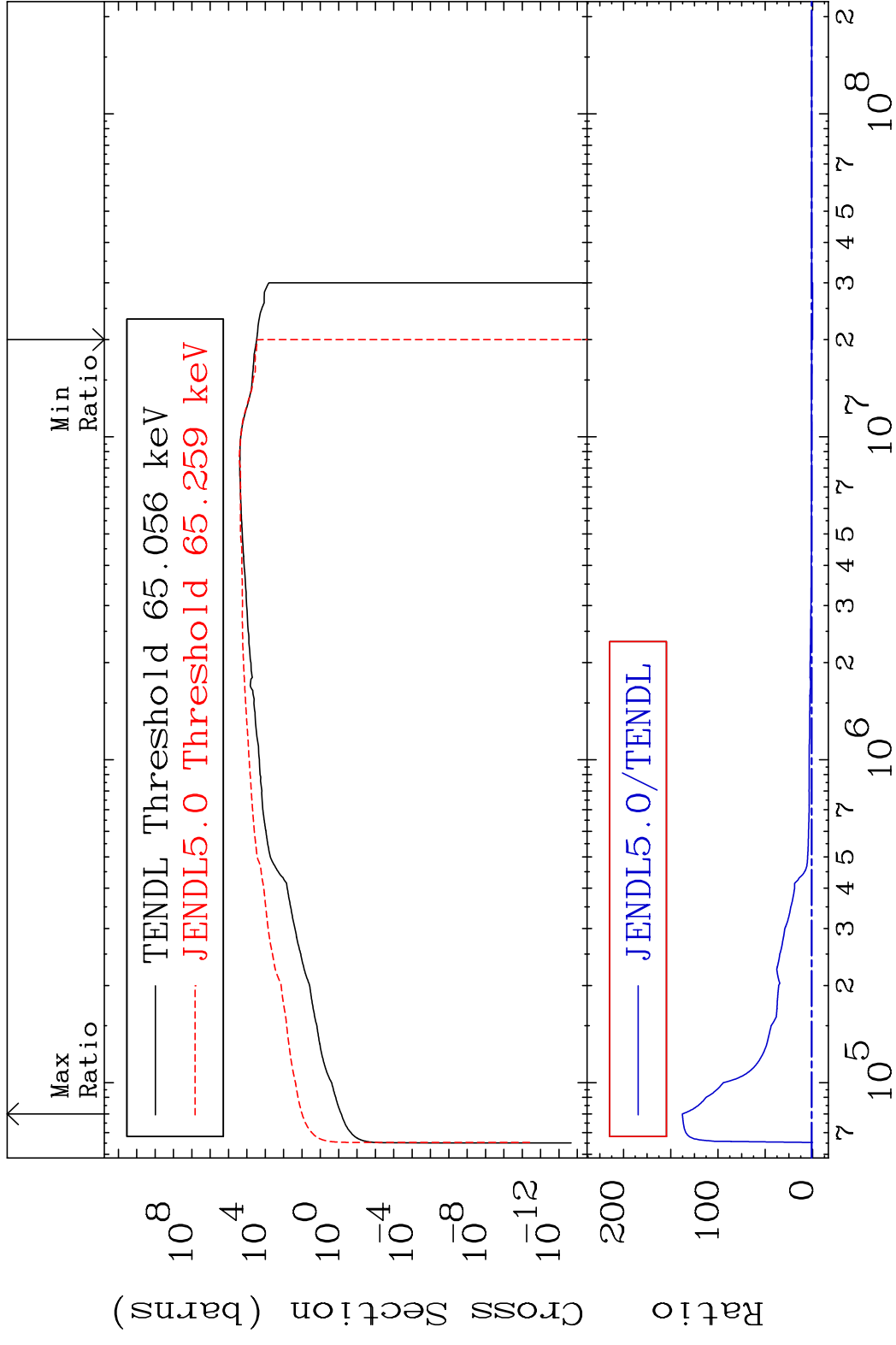
Incident Energy (eV)

45-Rh-99

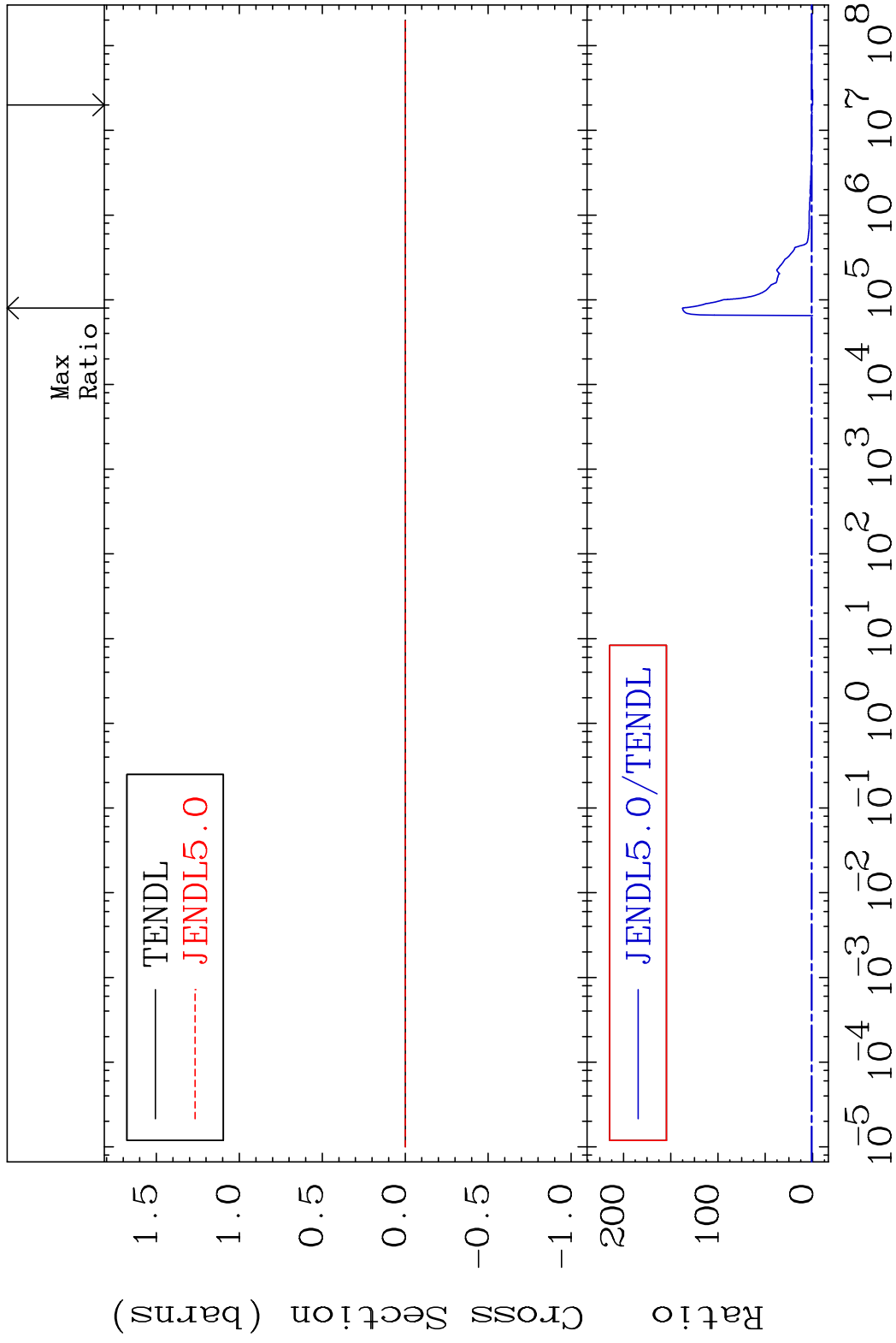
MAT 4513 Kerma non-elastic (all but mt2) 45-Rh-99  
Cross Section -7991. To 1747. %



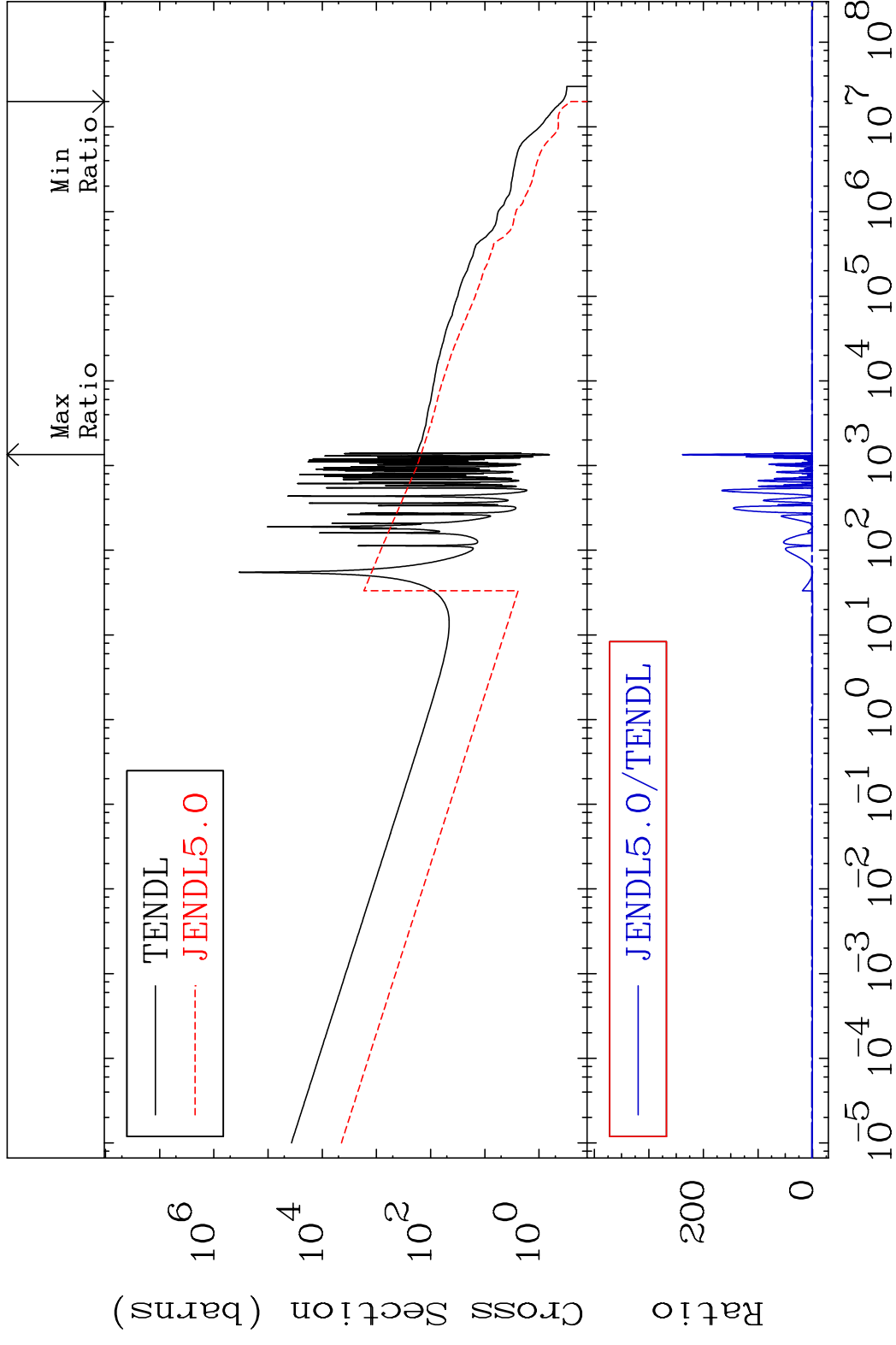
MAT 4513 Kerma inelastic (mt51-91) 45-Rh-99  
 Cross Section -100.0 To 9999. %



MAT 4513 Kerma fission (mt18 or mt19-20-21-38) 45-Rh-99  
 Cross Section -100.0 To 9999. %



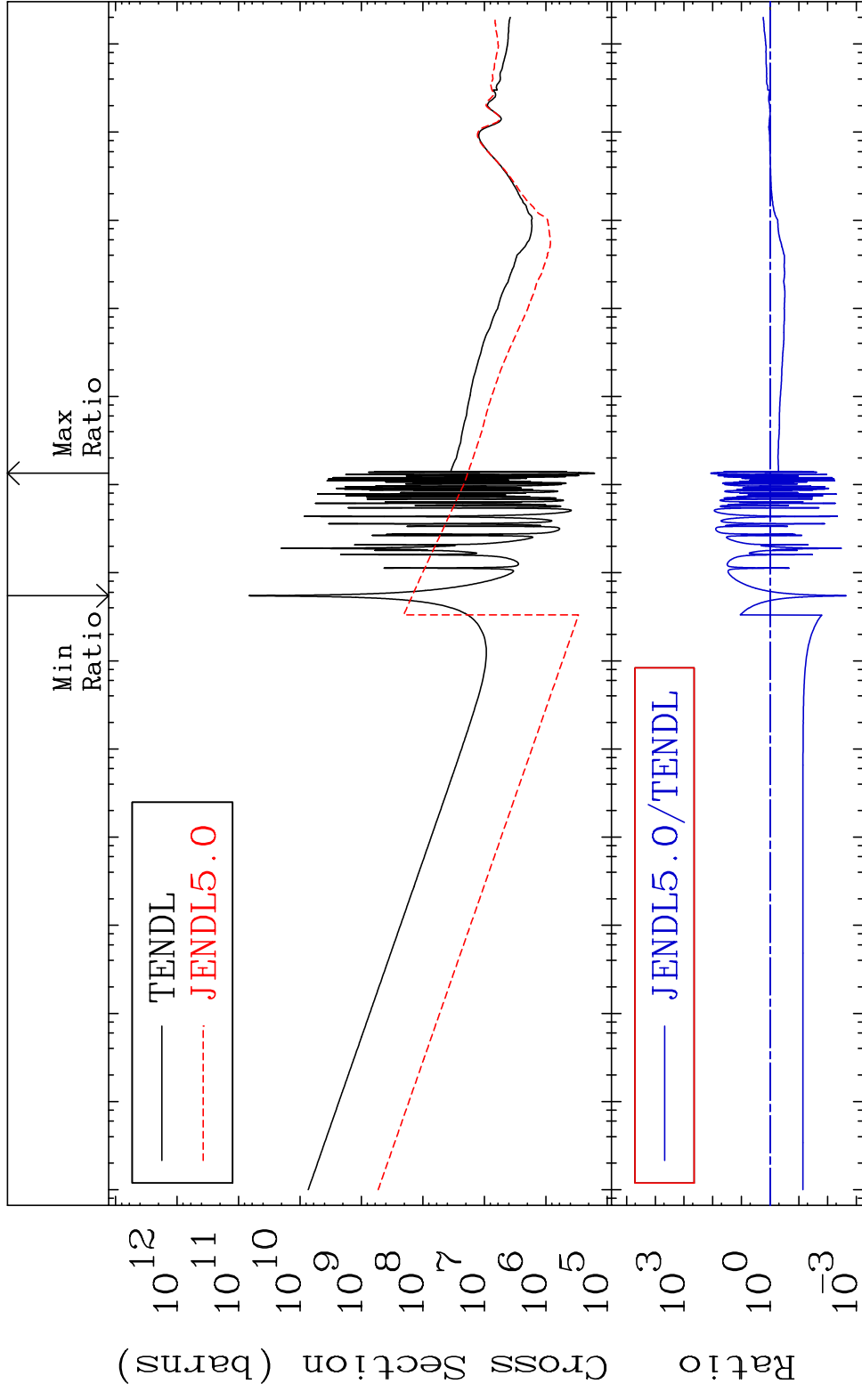
MAT 4513 Kerma capture (mt102) 45-Rh-99  
 Cross Section -100.0 To 9999. %



63 Incident Energy (eV) 45-Rh-99

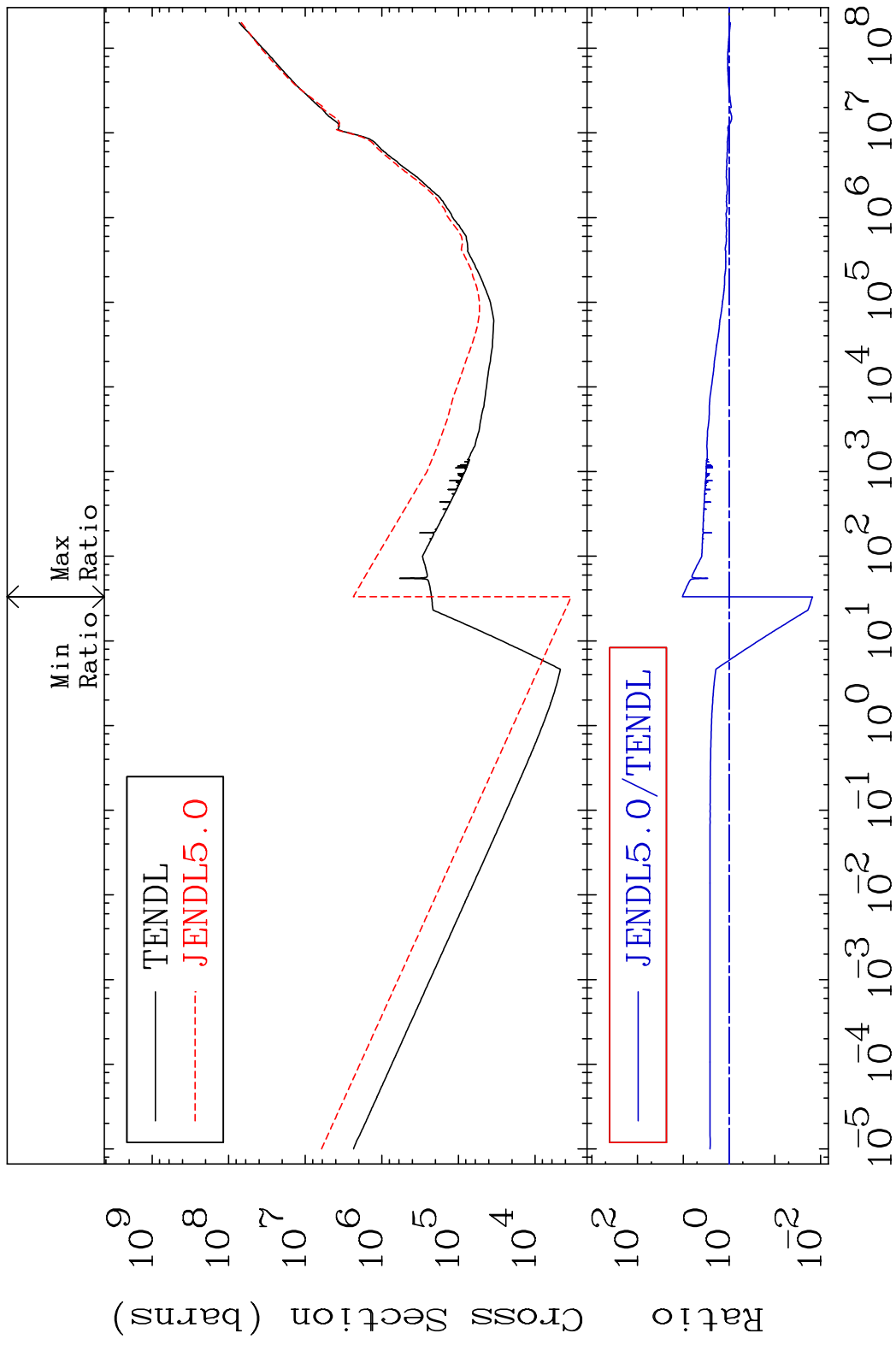


MAT 4513 Total photon (eV-barns) 45-Rh-99  
 Cross Section -99.78 To 9999. %



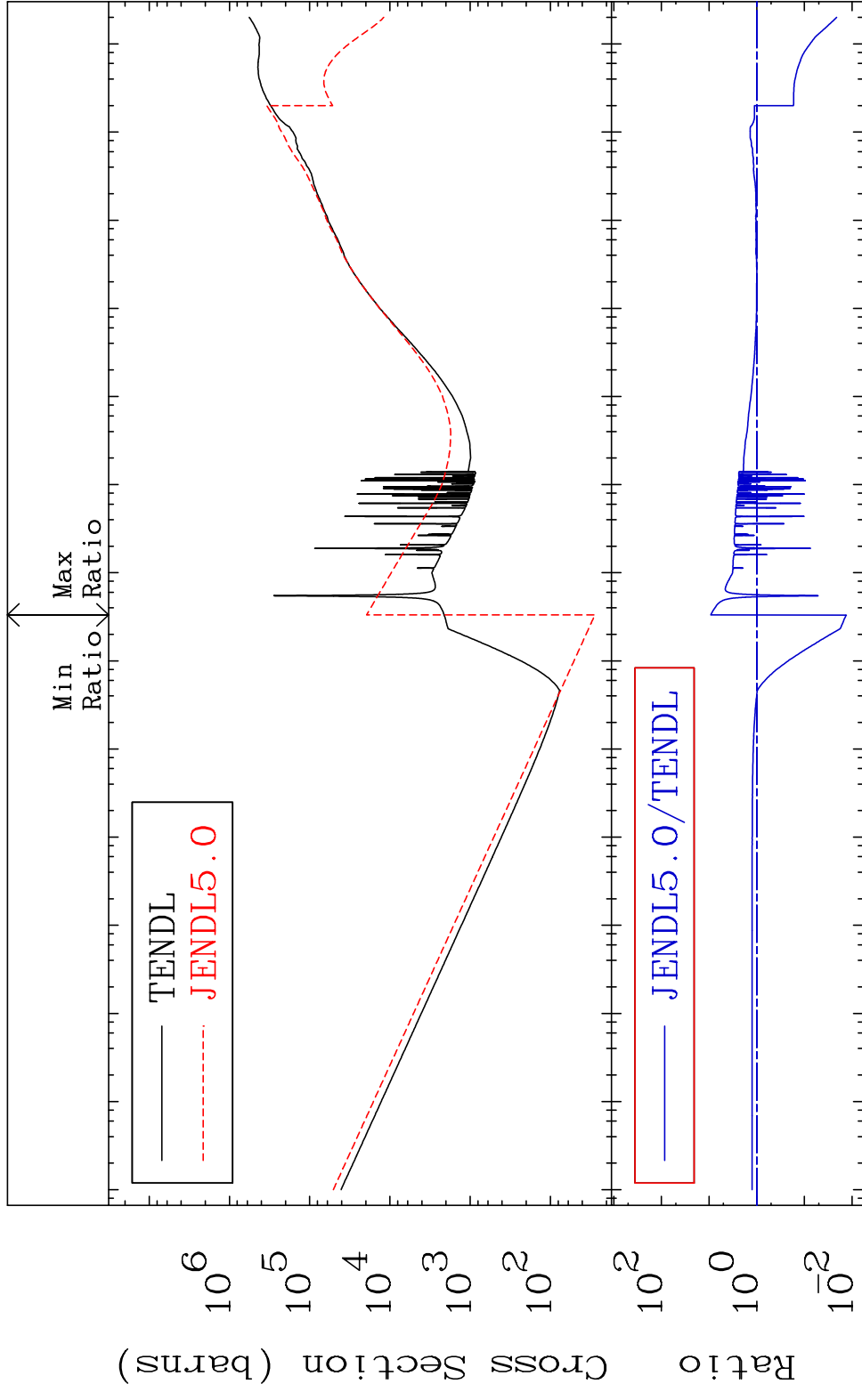
64 Incident Energy (eV) 45-Rh-99

MAT 4513 Total kinematic kerma (high limit) 45-Rh-99  
 Cross Section -98.50 To 948.5 %



65 Incident Energy (eV) 45-Rh-99

MAT 4513      Dpa total (eV-barns)      45-Rh-99  
 Cross Section      -98.68 To 823.5 %

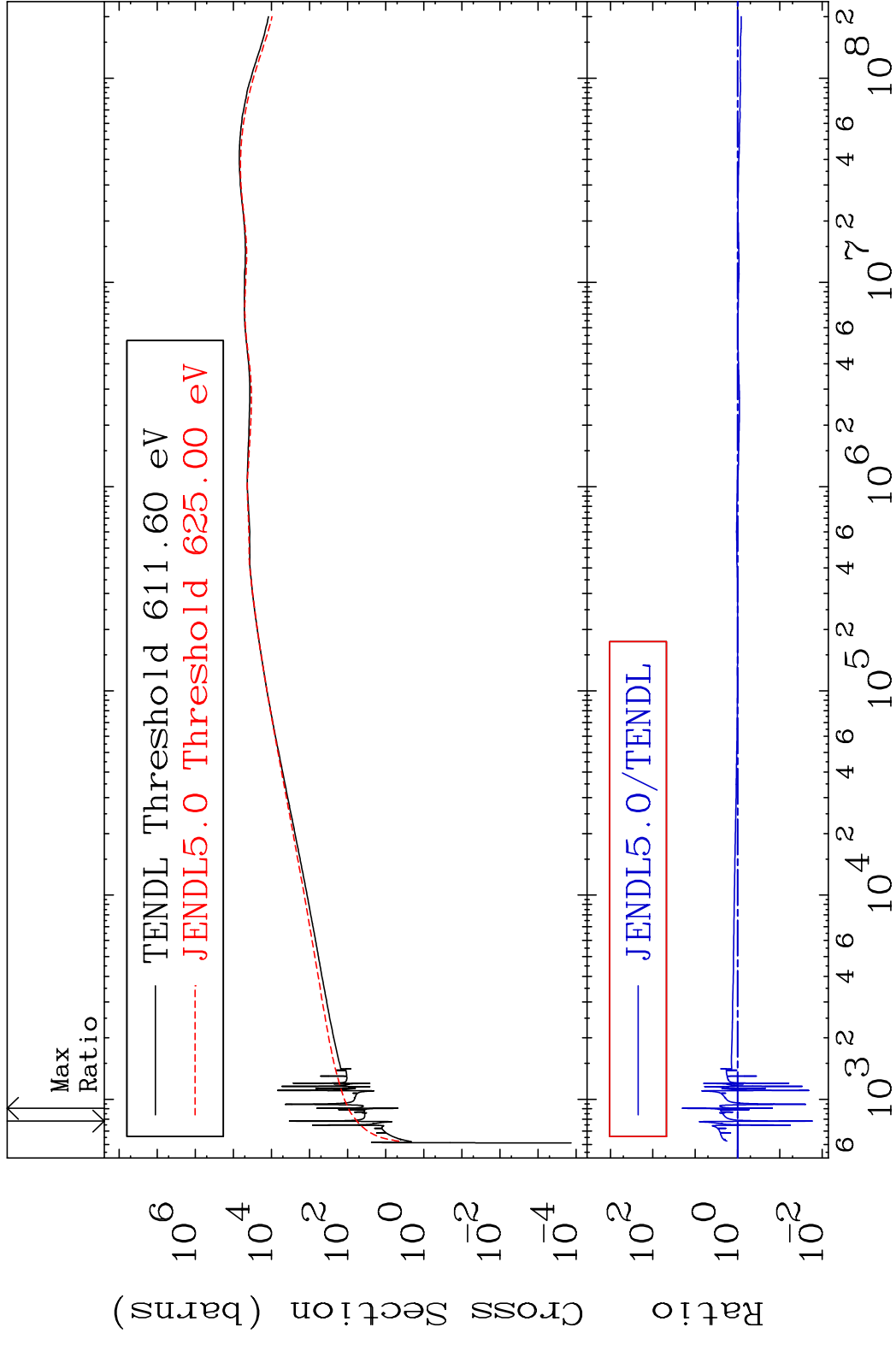


MAT 4513

Dpa elastic (mt2)

45-Rh-99

Cross Section -98.31 To 1910. %

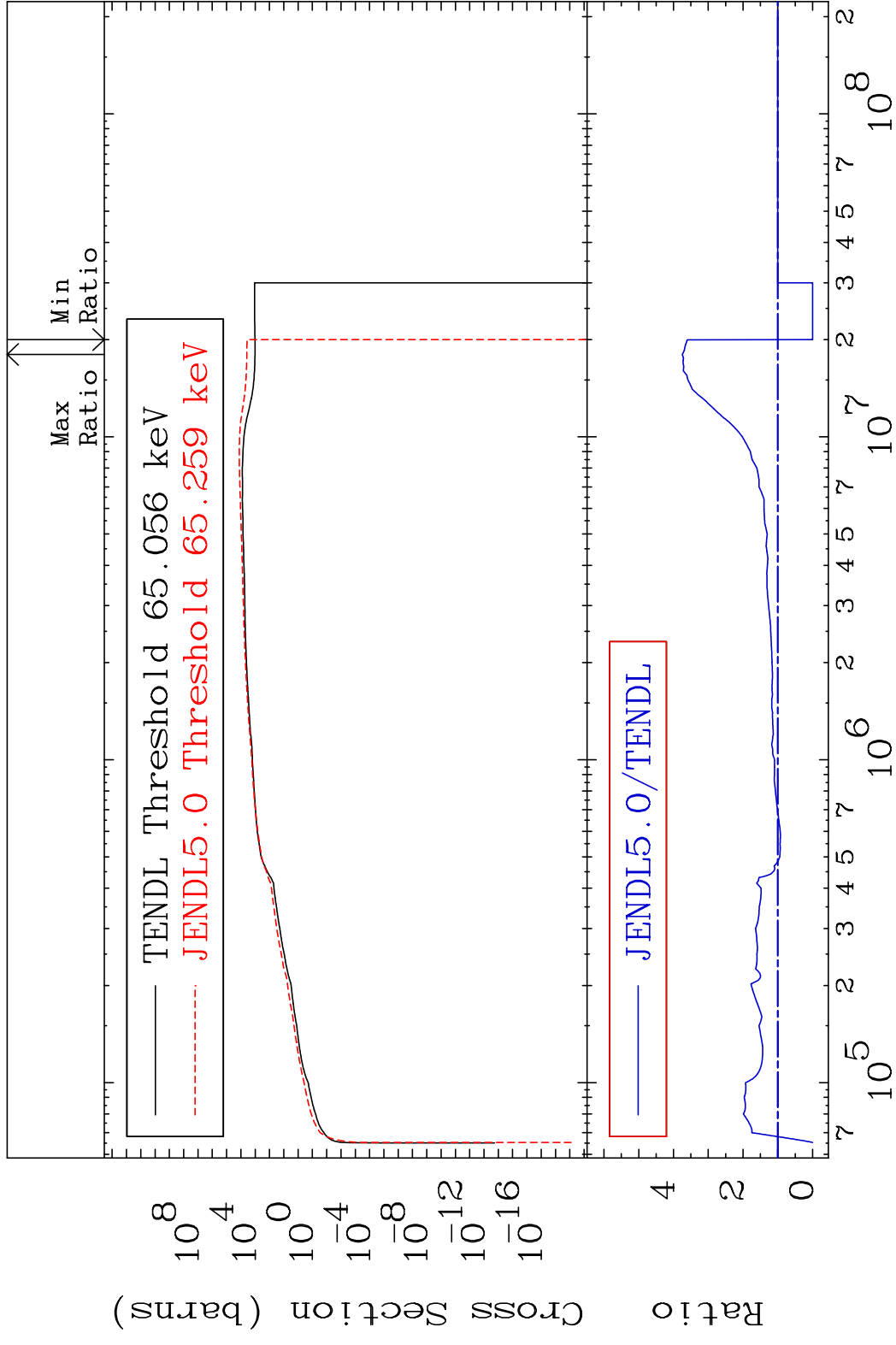


67

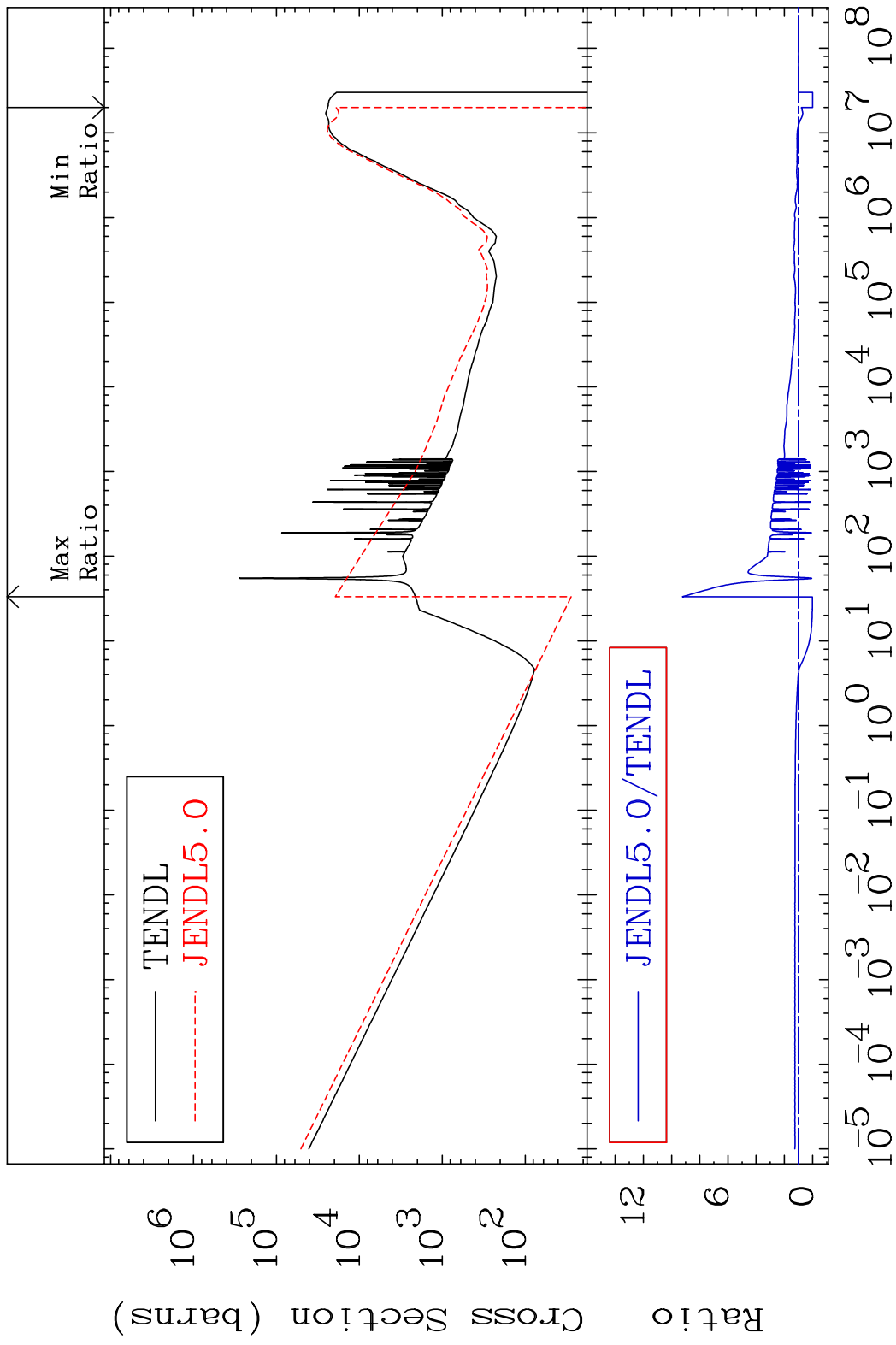
Incident Energy (eV)

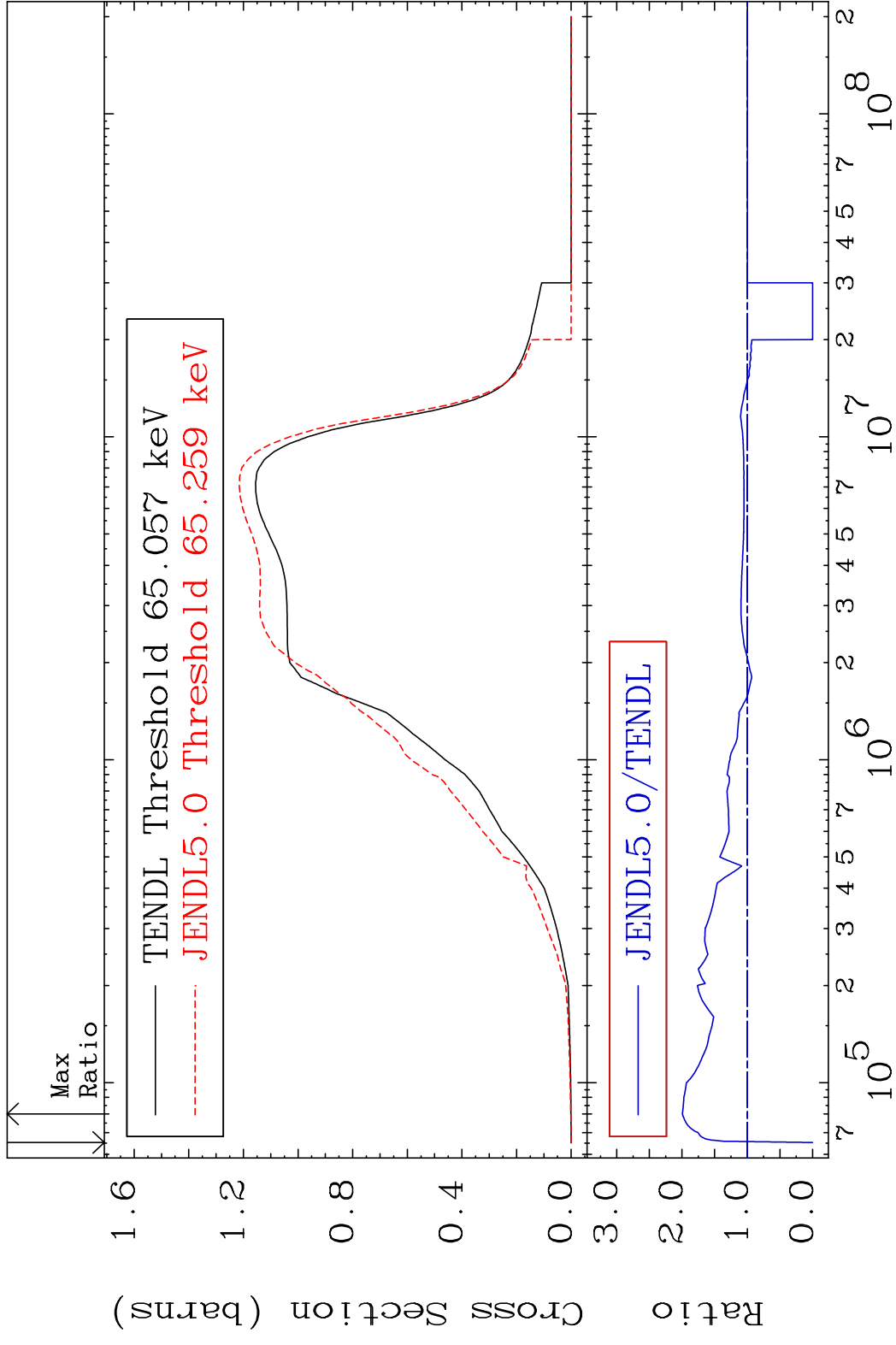
45-Rh-99

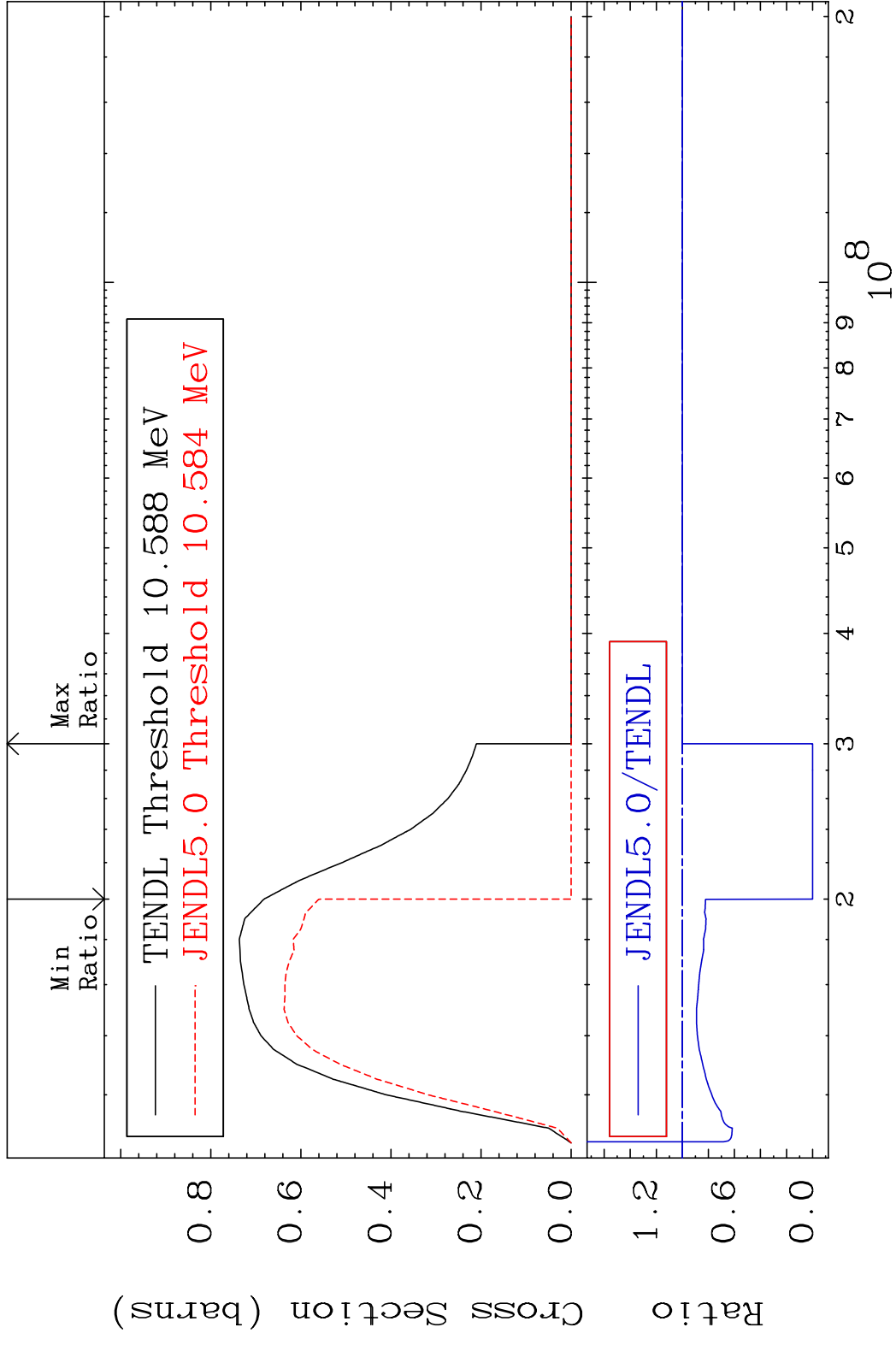
MAT 4513 Dpa inelastic (mt51-91) 45-Rh-99  
 Cross Section -100.0 To 274.5 %



MAT 4513 Dpa disappearance (mt102 -120) 45-Rh-99  
 Cross Section -100.0 To 823.5 %

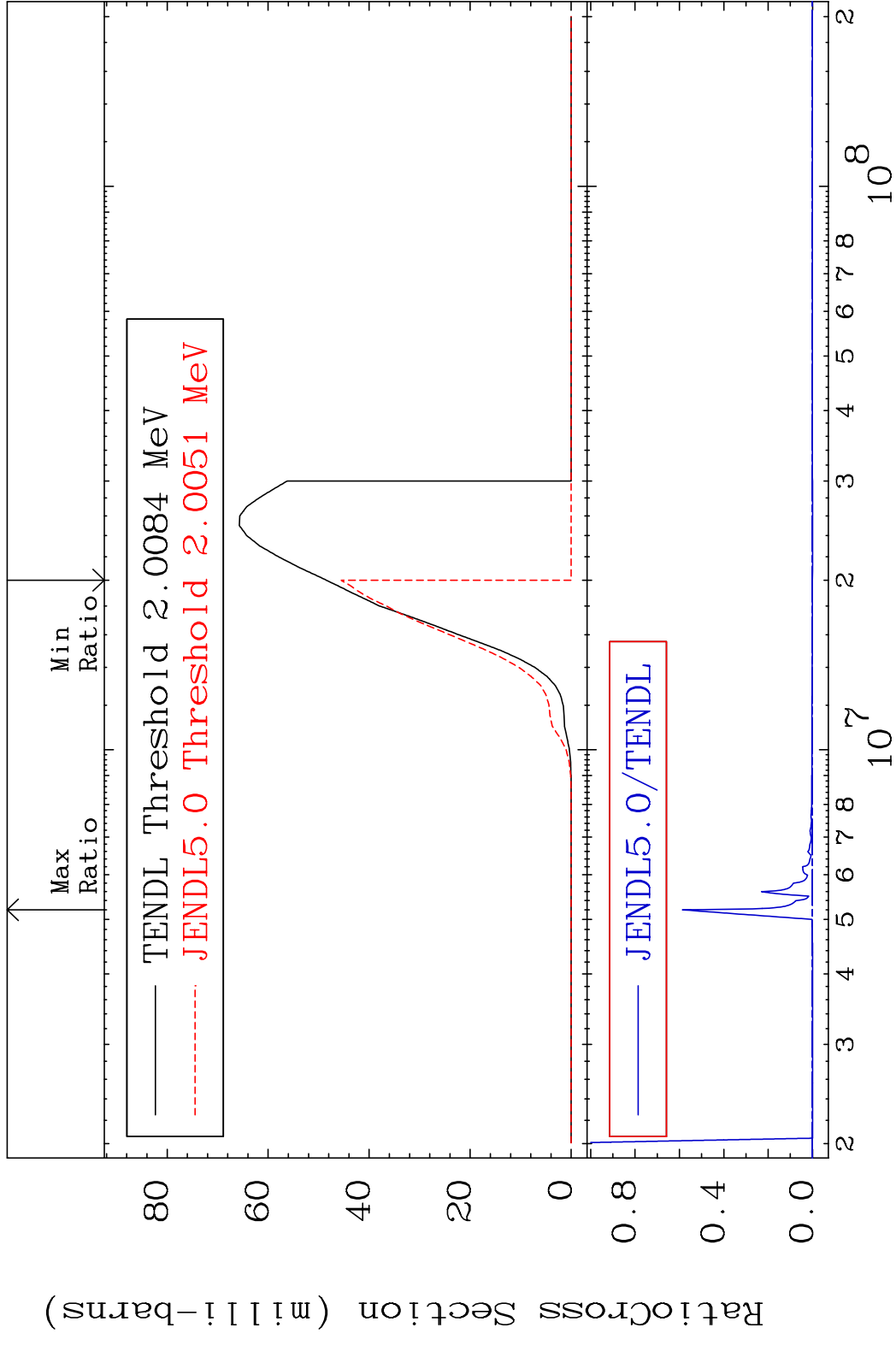


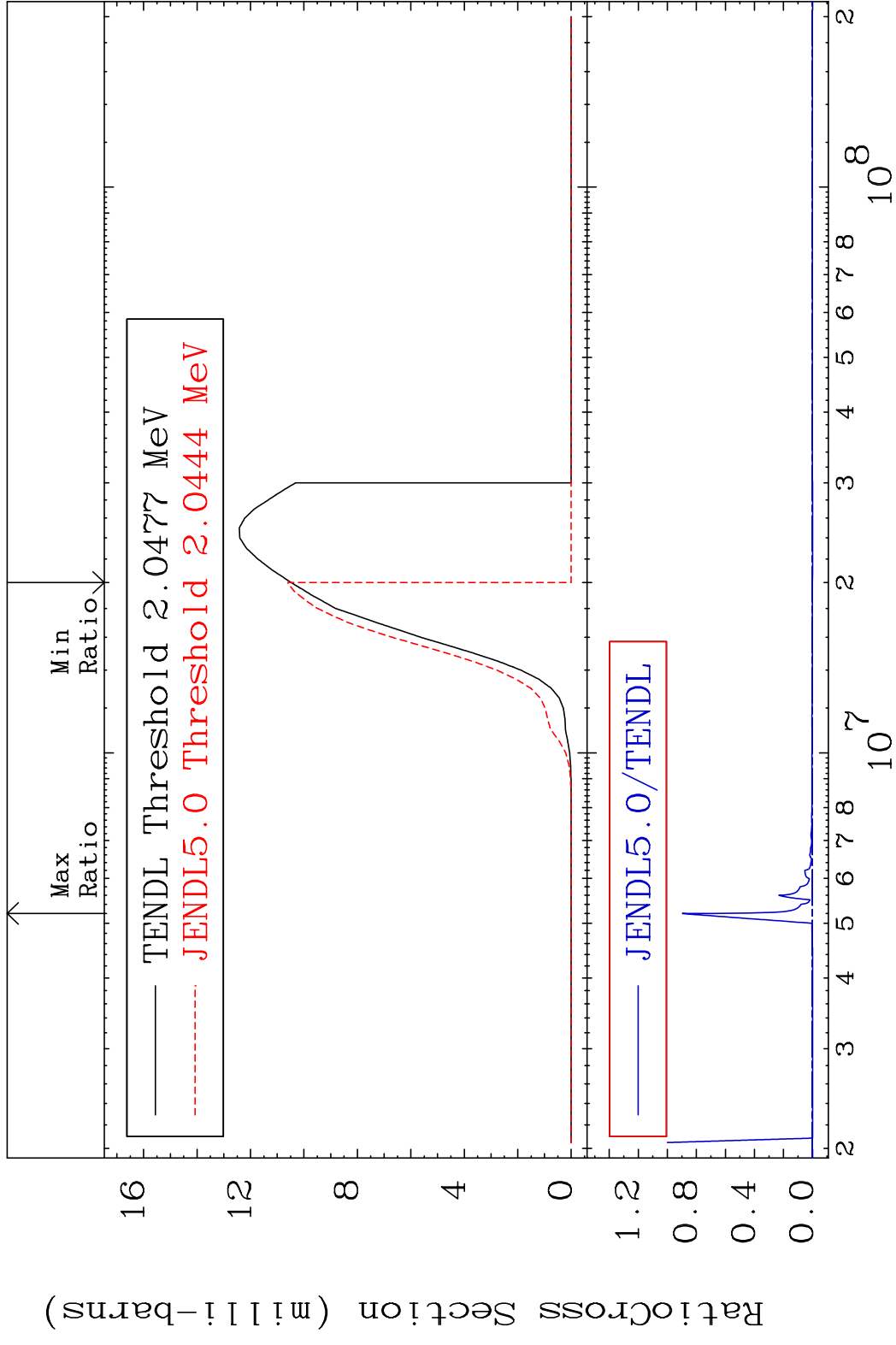


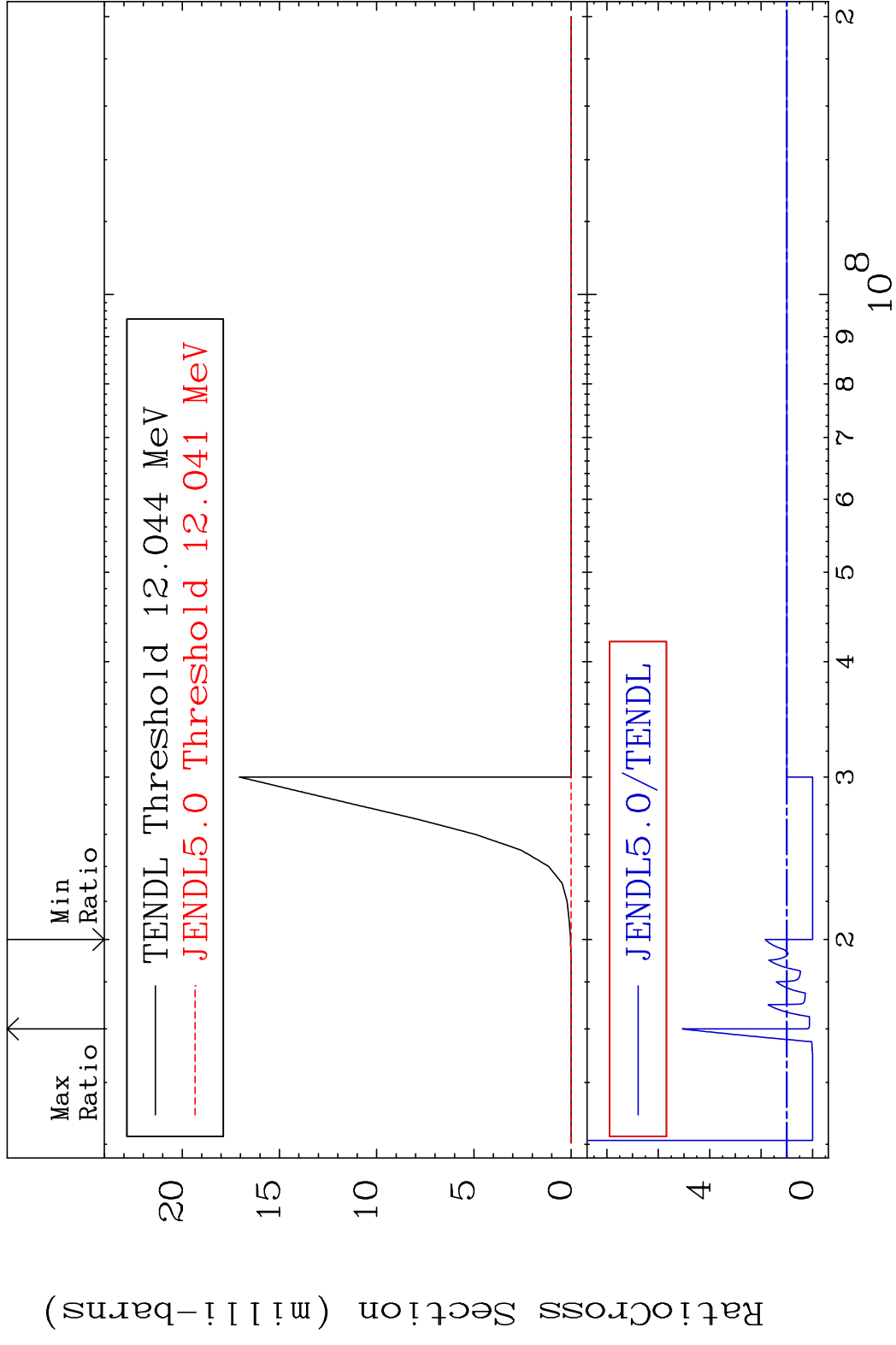




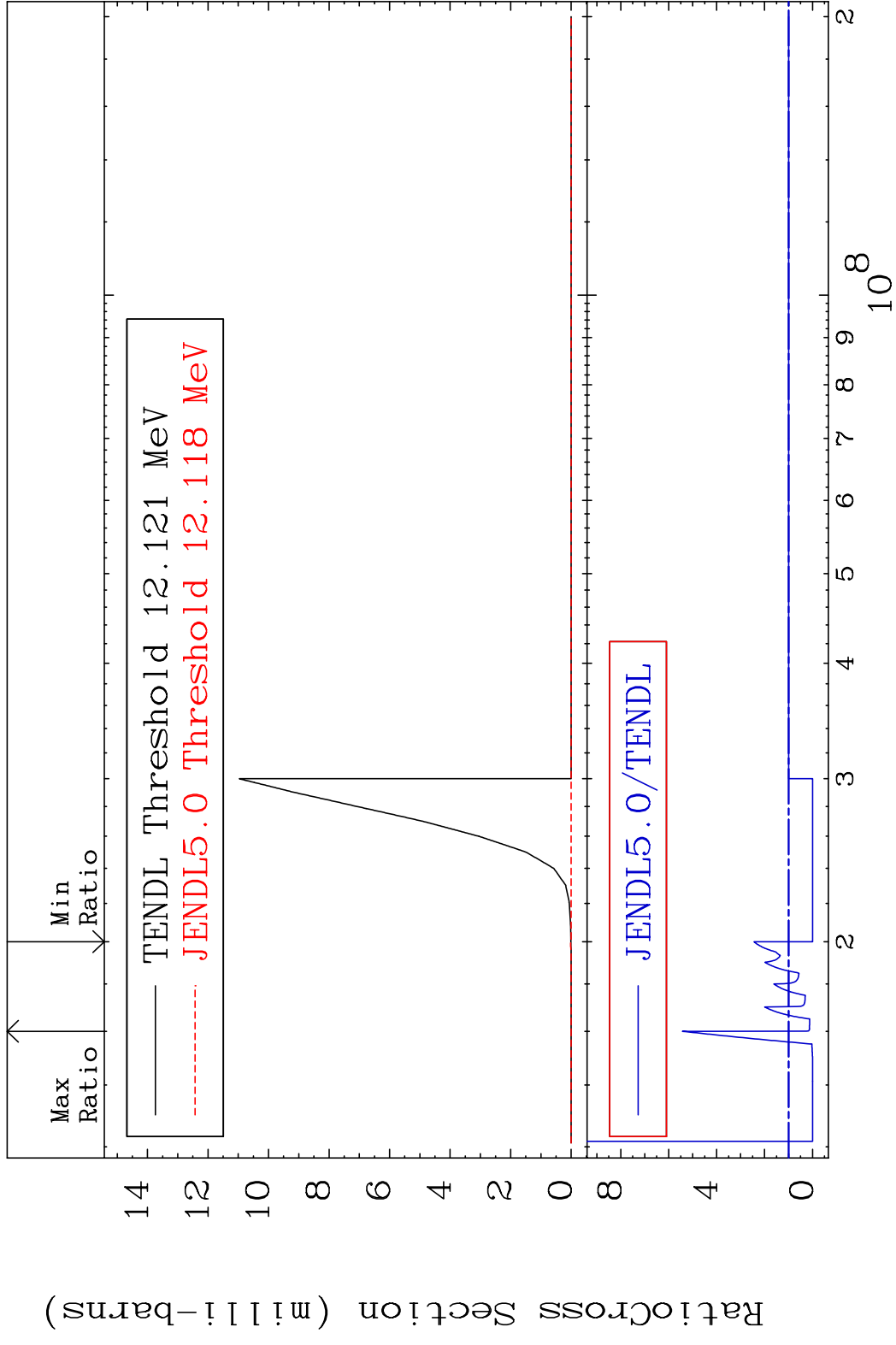
MAT 4513 (n, n')  $\alpha$ : 43-Tc-95g 45-Rh-99  
 Radionuclide Production Cross Section Ratio 9999. %

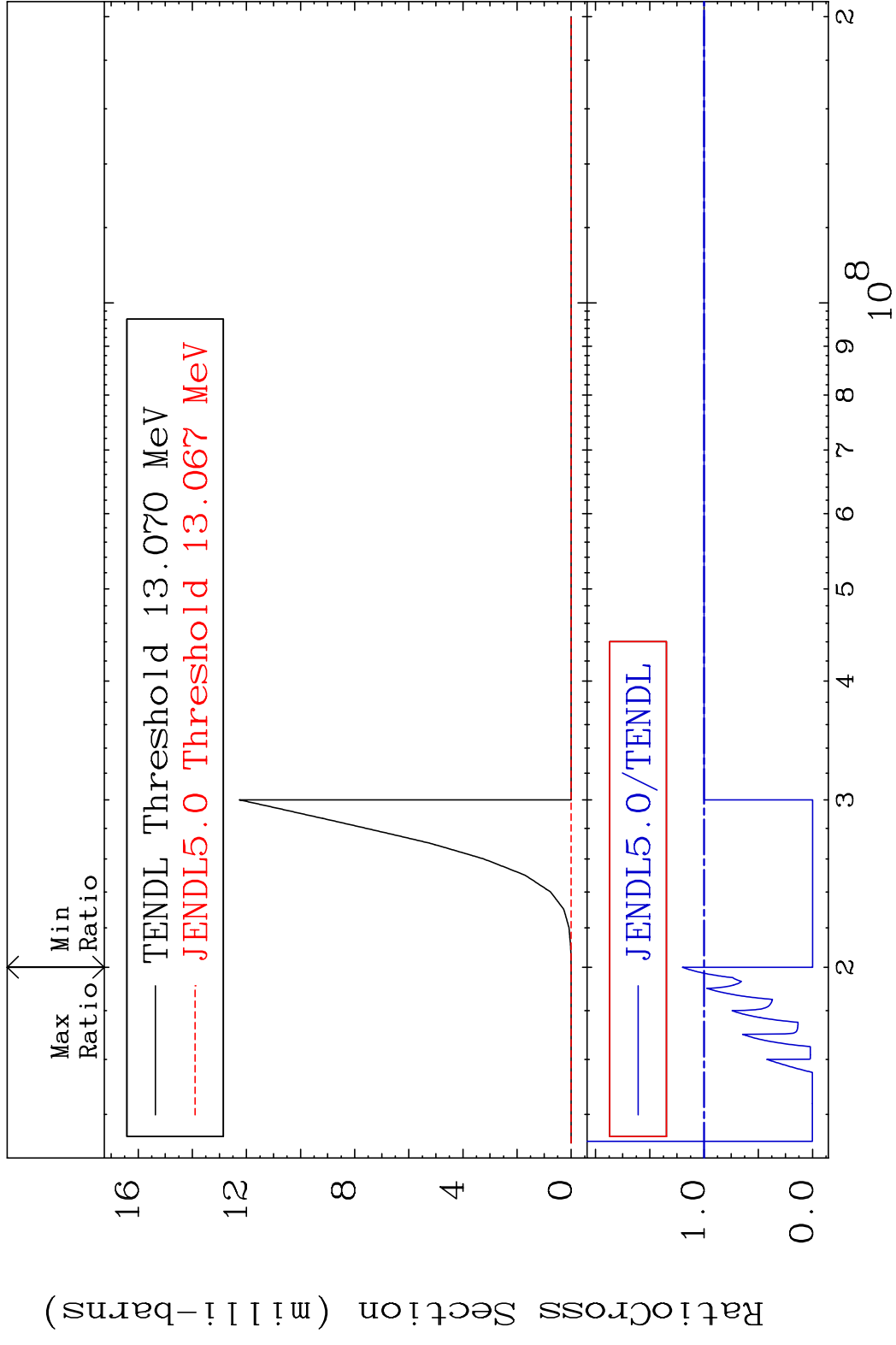


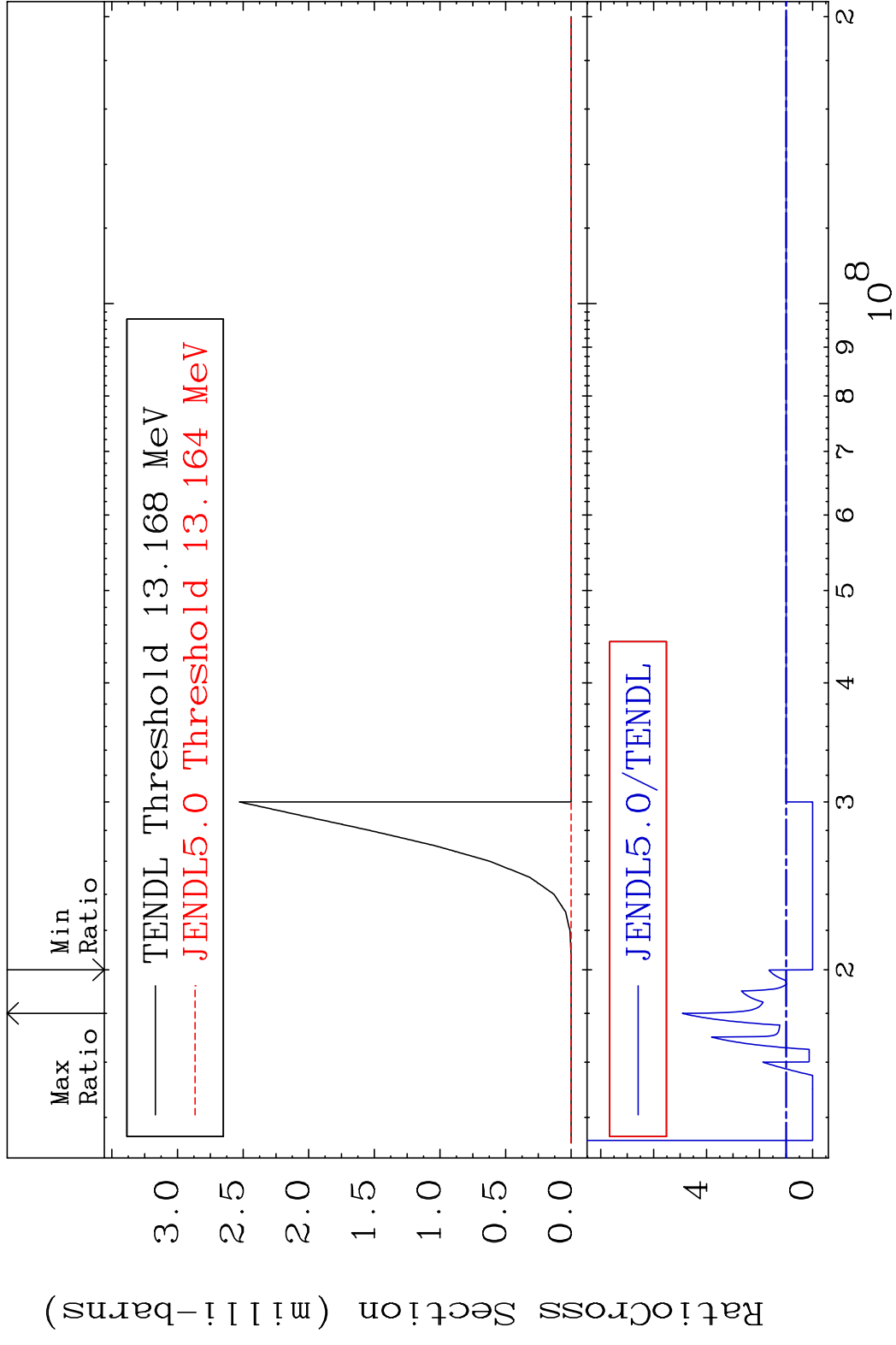


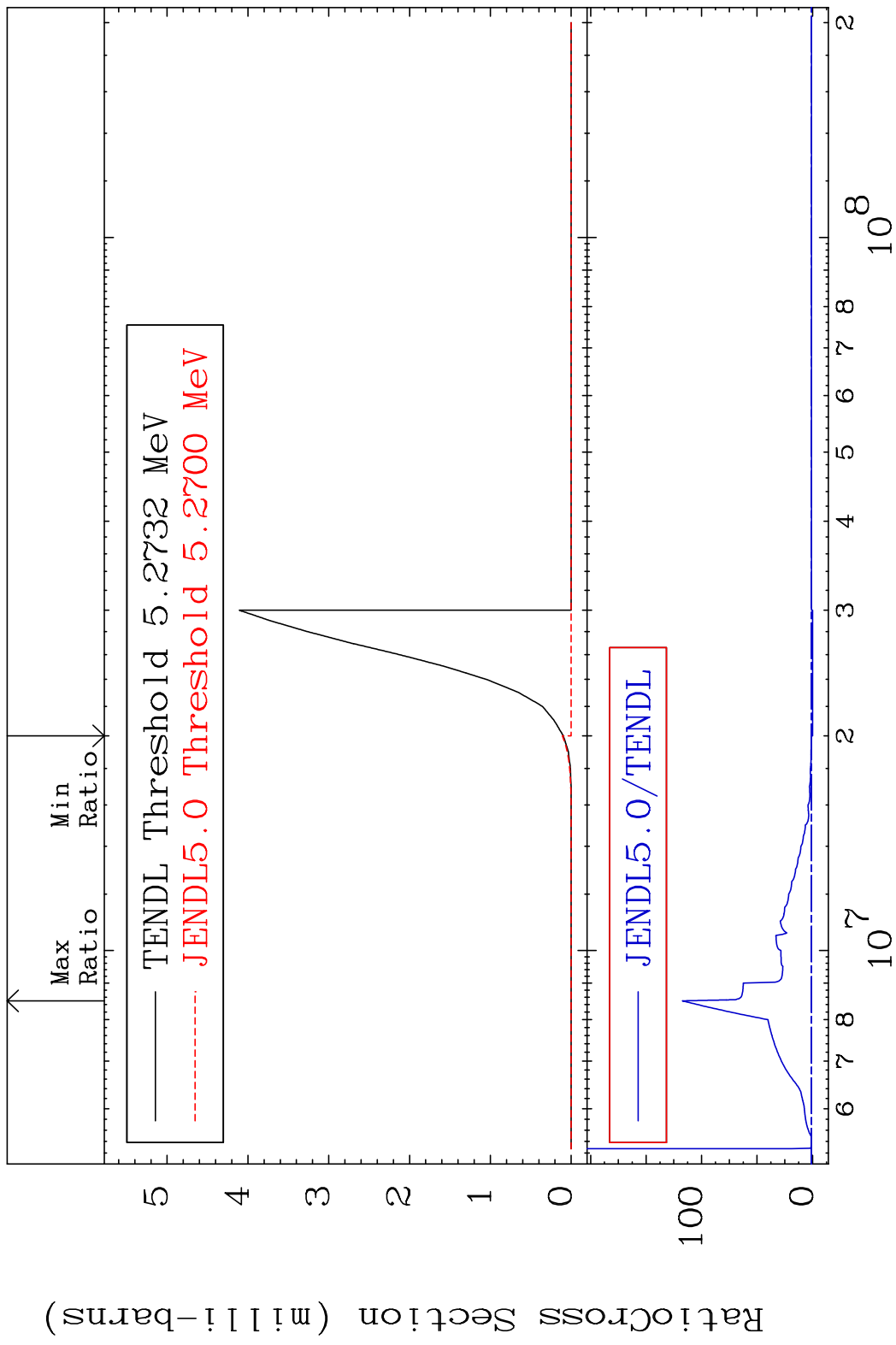


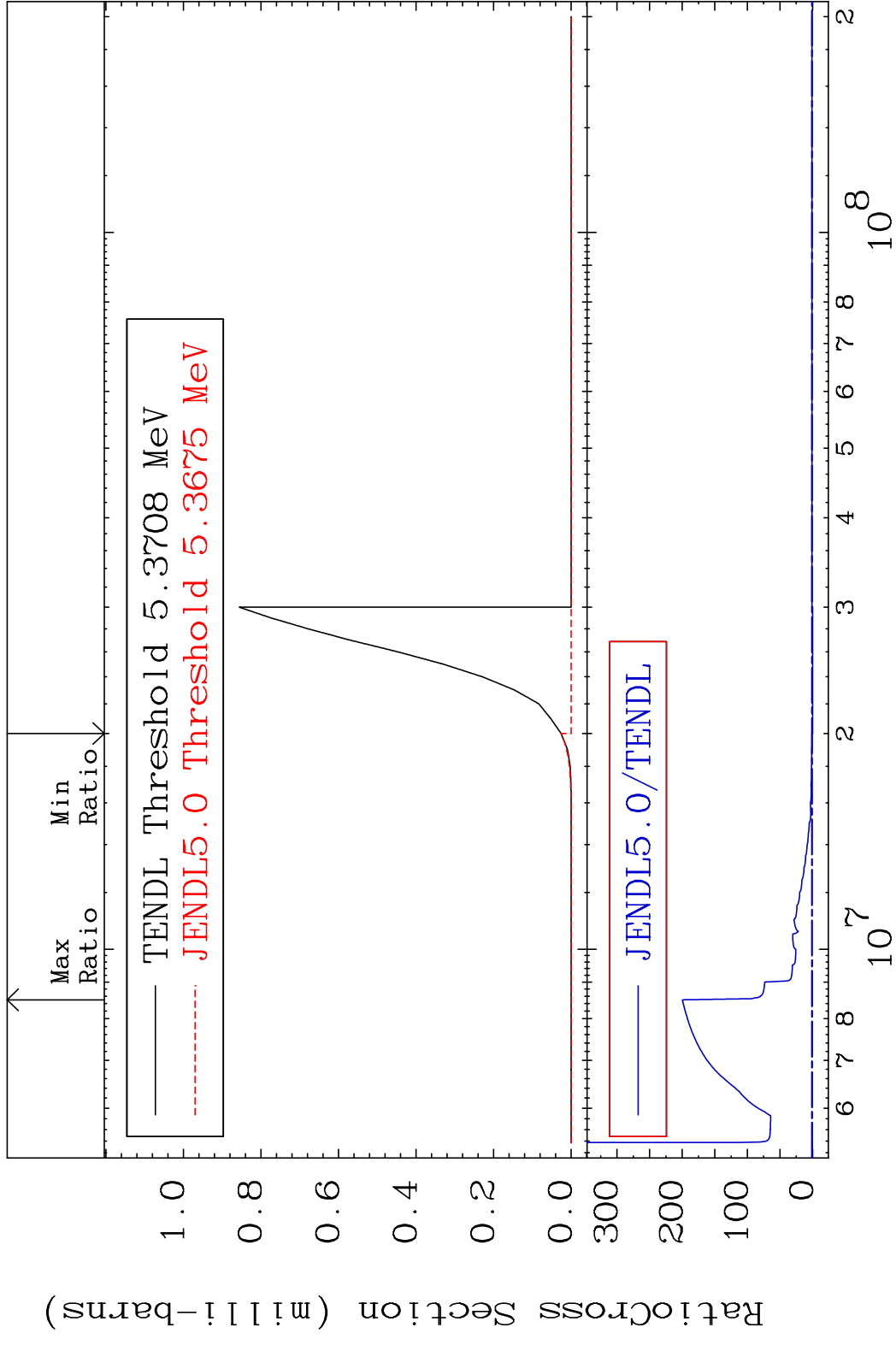
MAT 4513 (n,2n)  $\alpha$ :43-Tc-94m1 45-Rh-99  
 Radionuclide Production Cross Section 180.0 dth 443.0 %



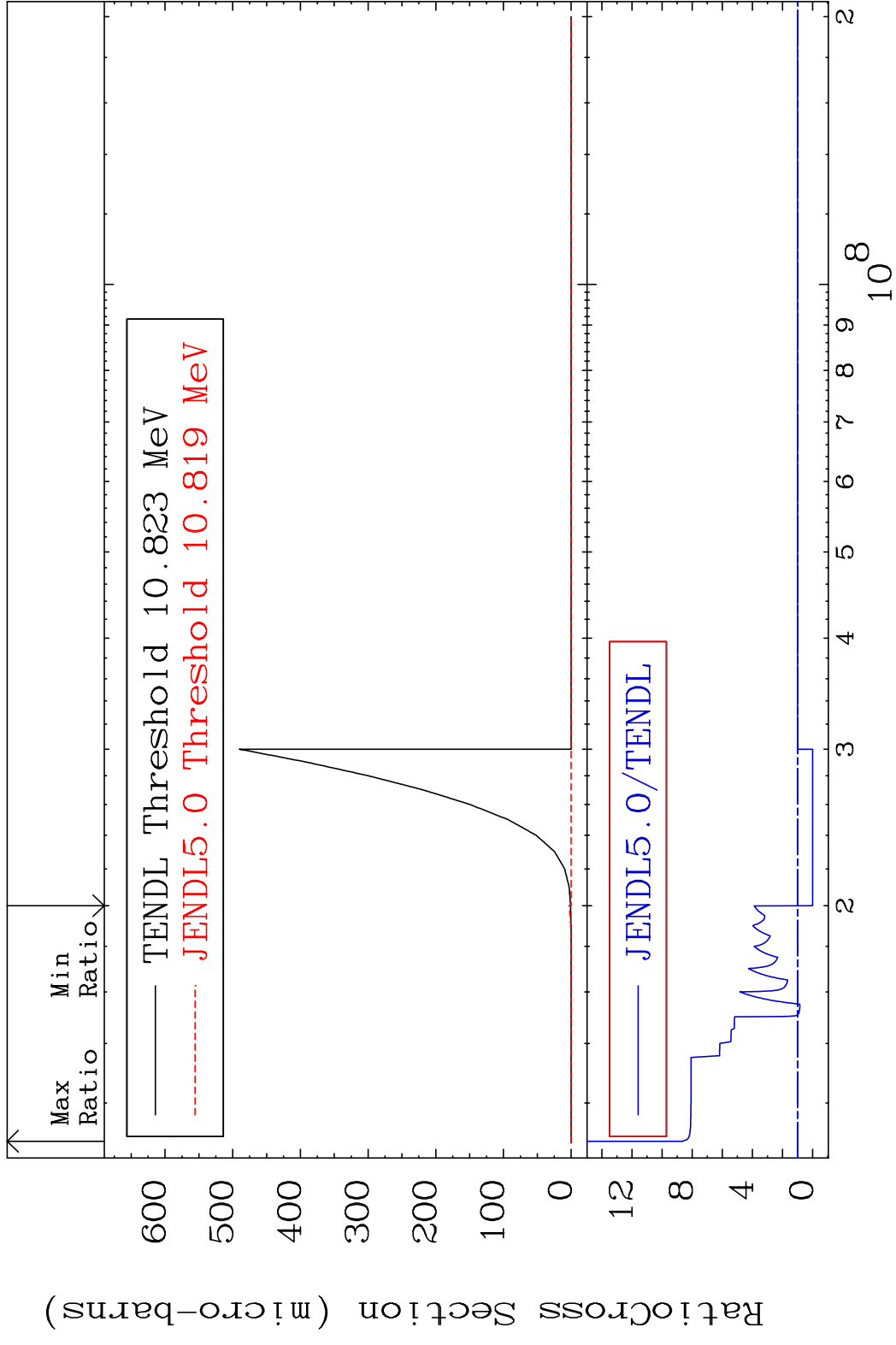


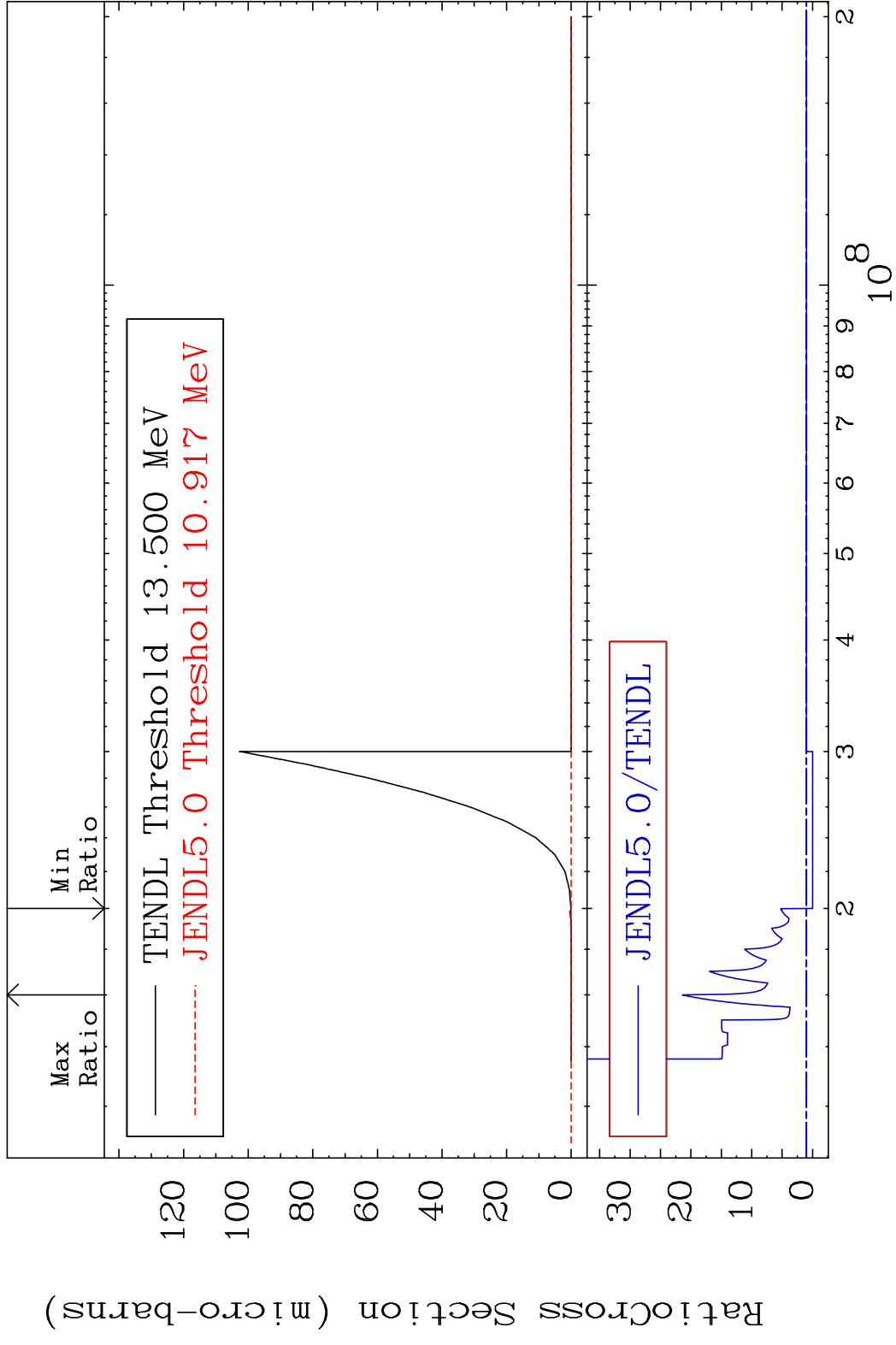




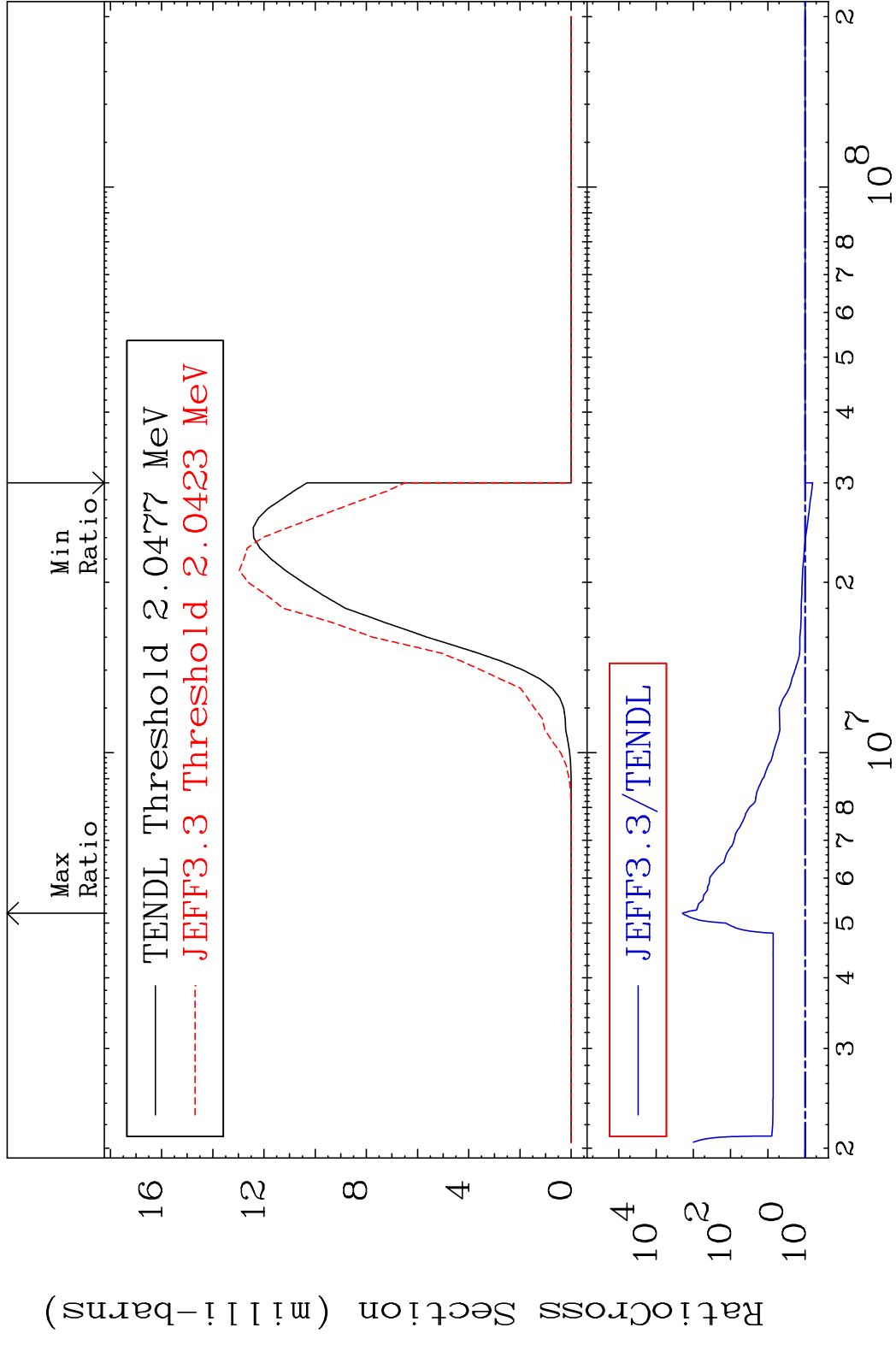


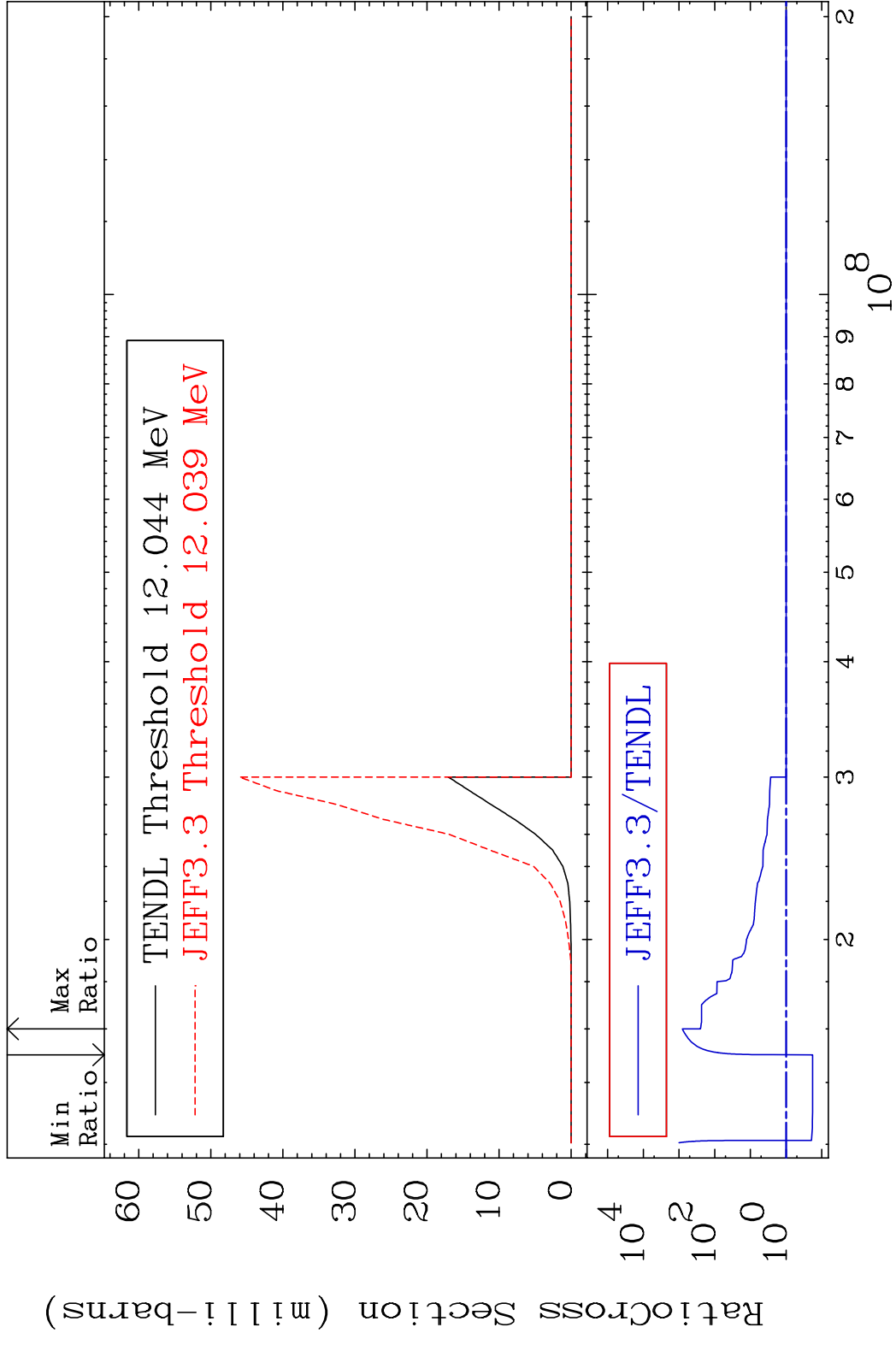


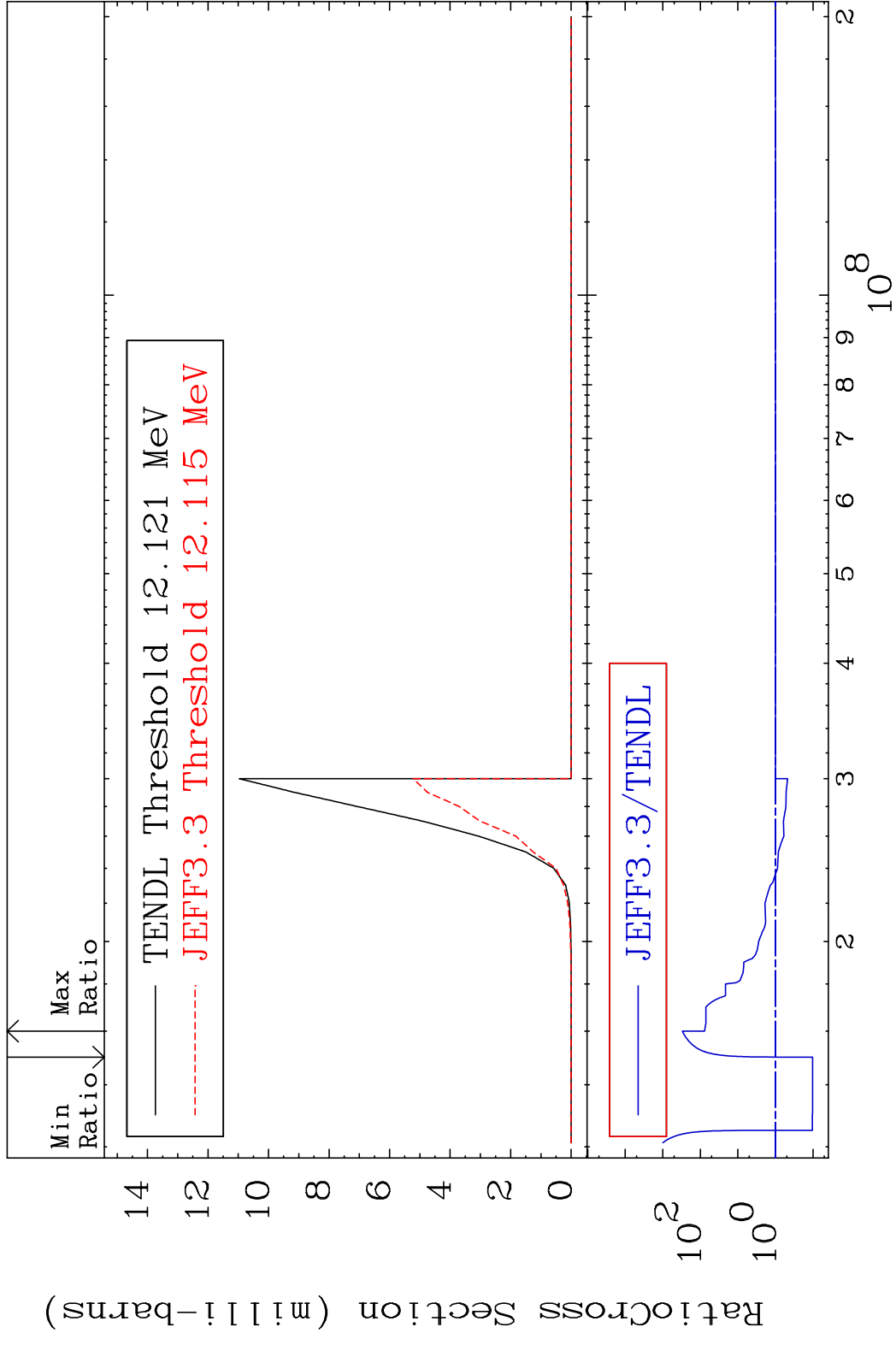


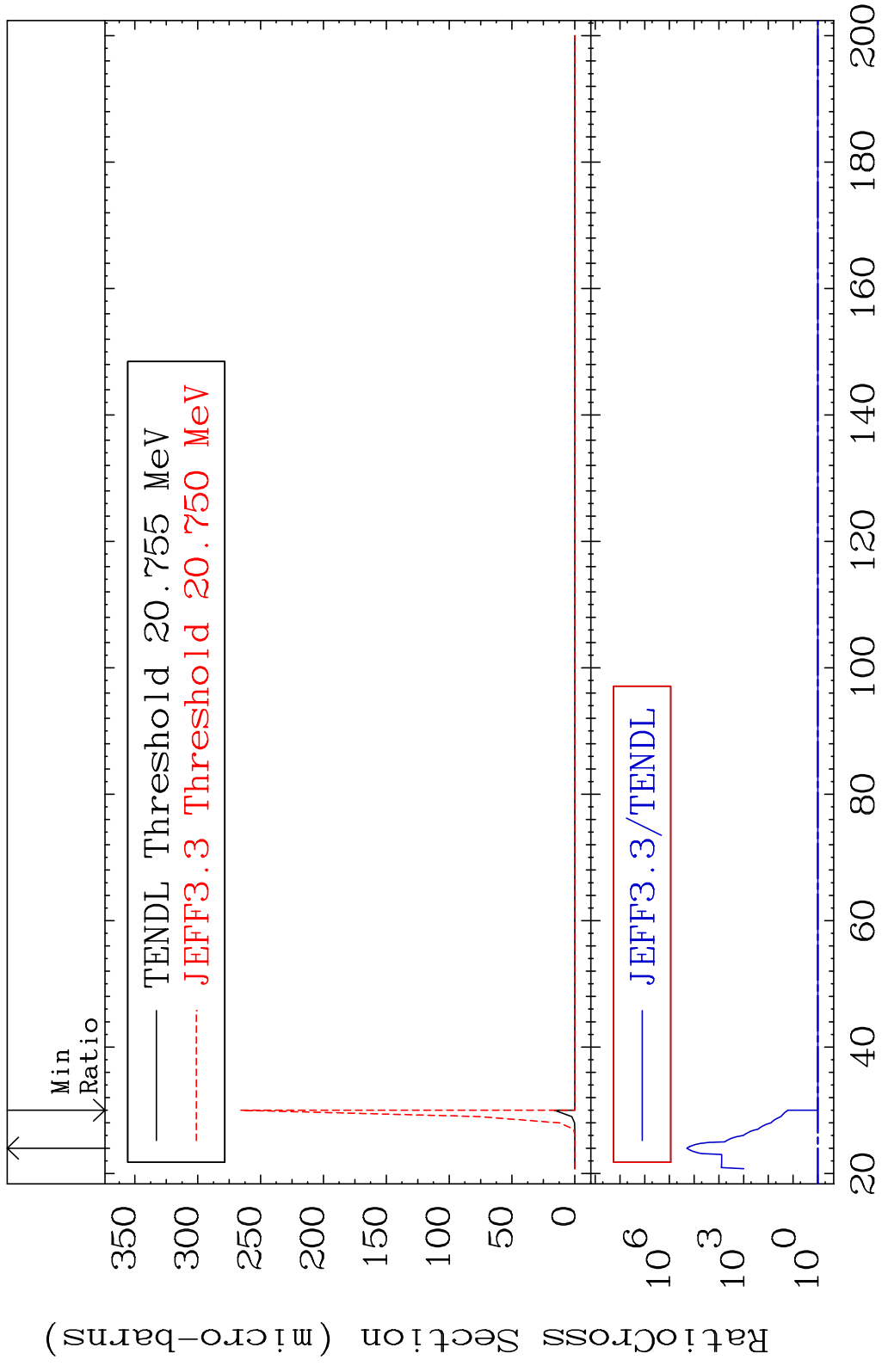


MAT 4513 (n, n')  $\alpha$ :43-Tc-95m1 45-Rh-99  
 Radionuclide Production Cross Section to 9999. %

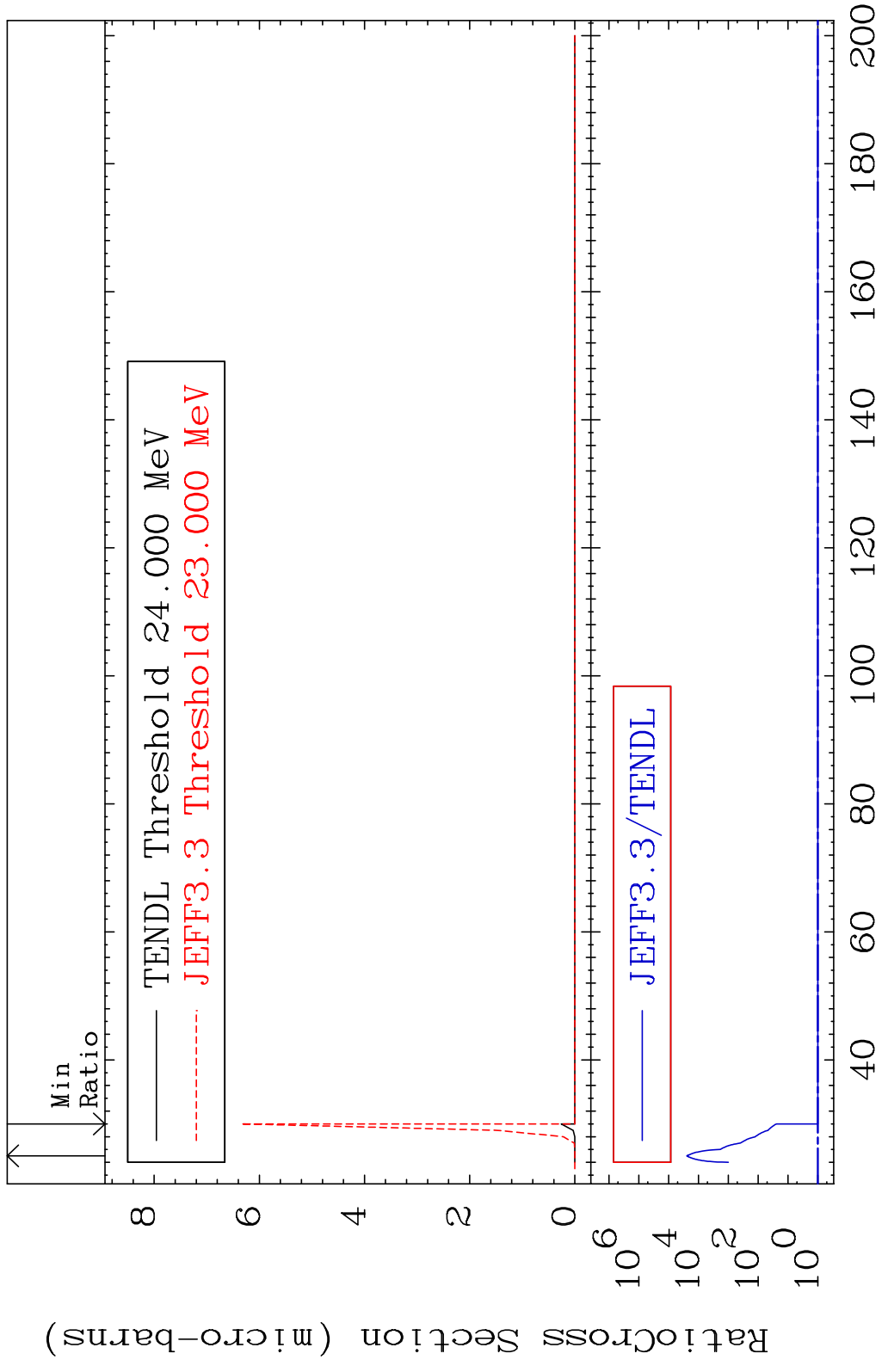


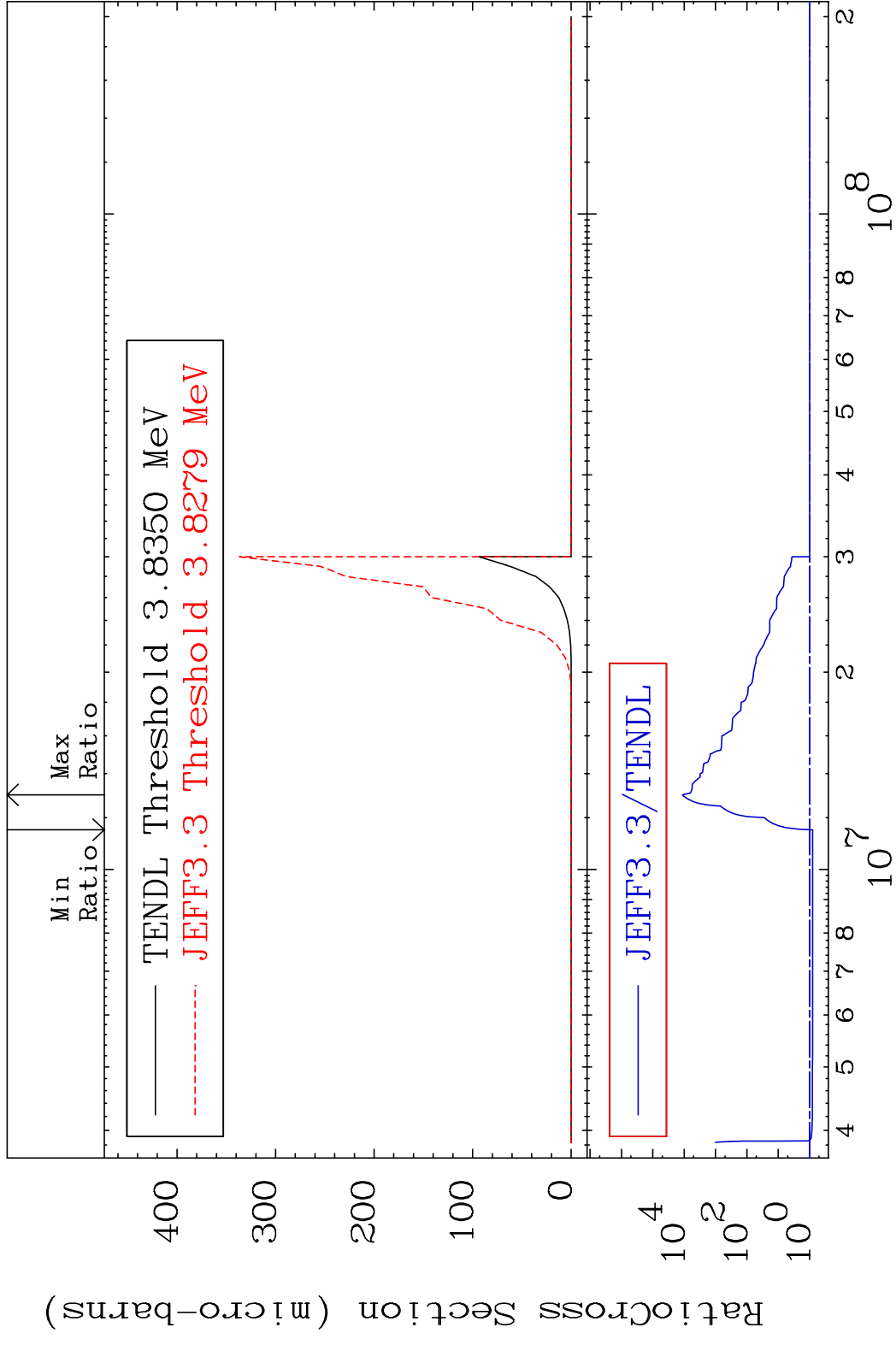




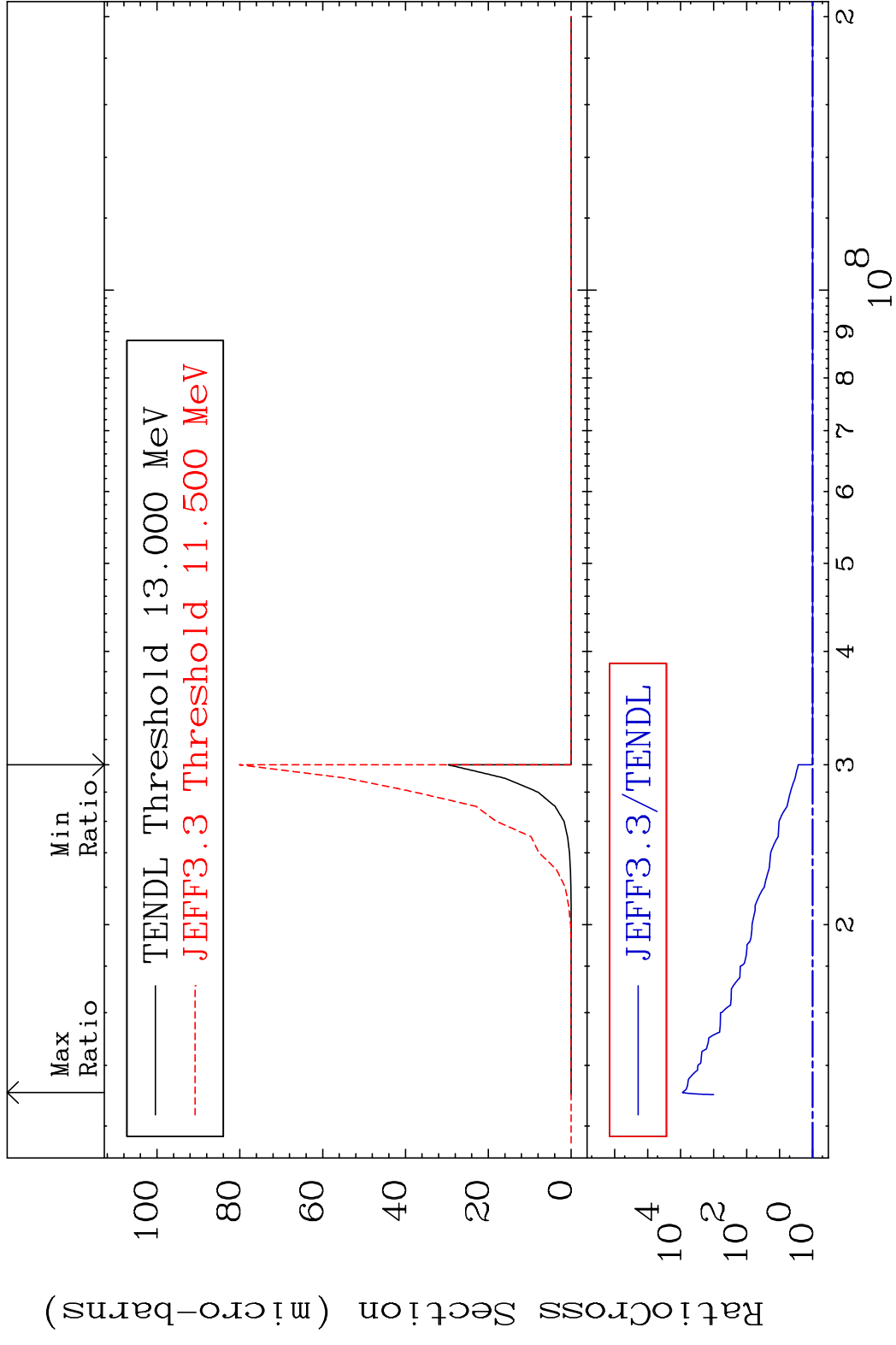


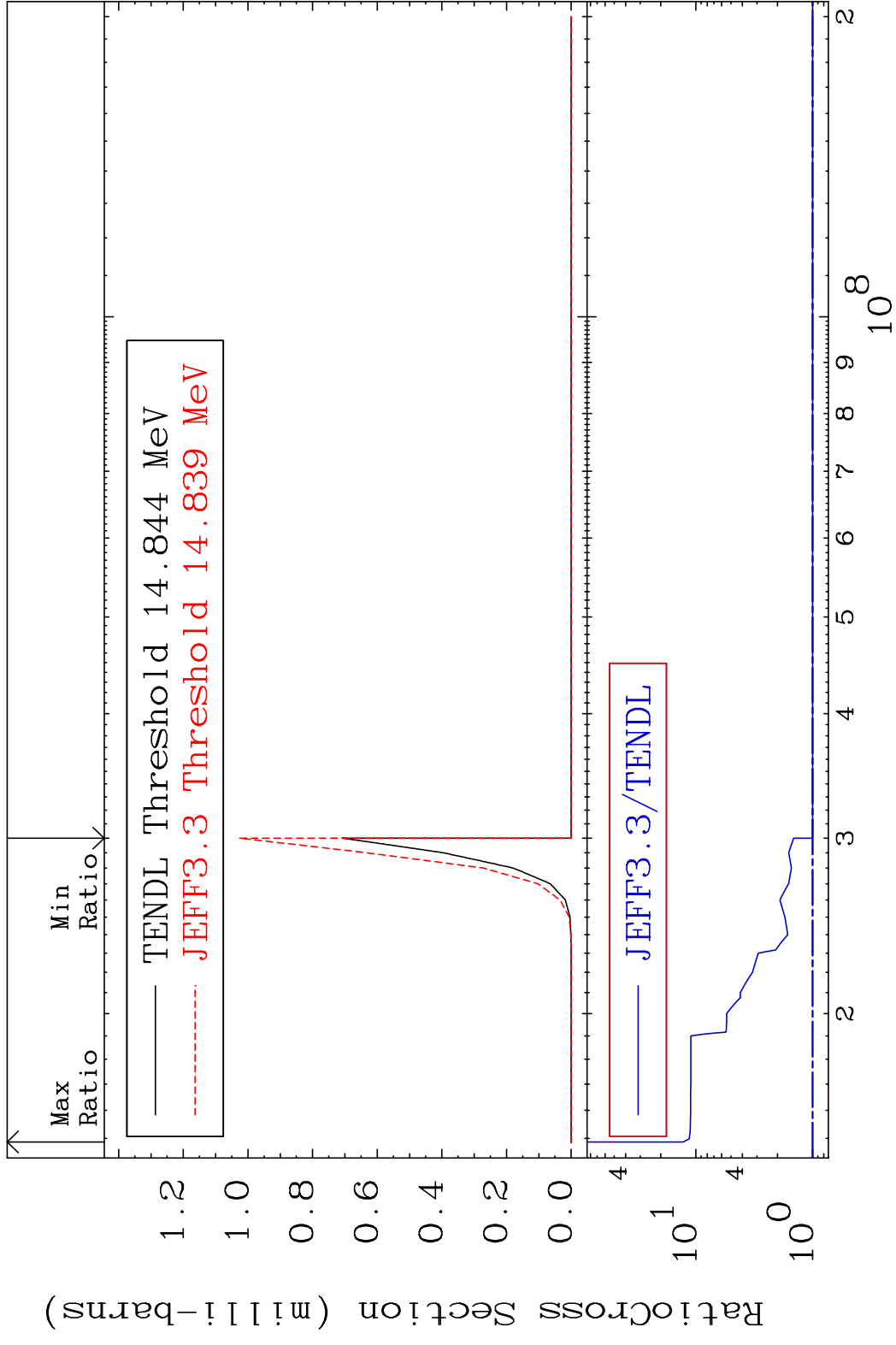
MAT 4513 (n,3n)  $\alpha$ :43-Tc-93m1 45-Rh-99  
 Radionuclide Production Cross Section 9999. %



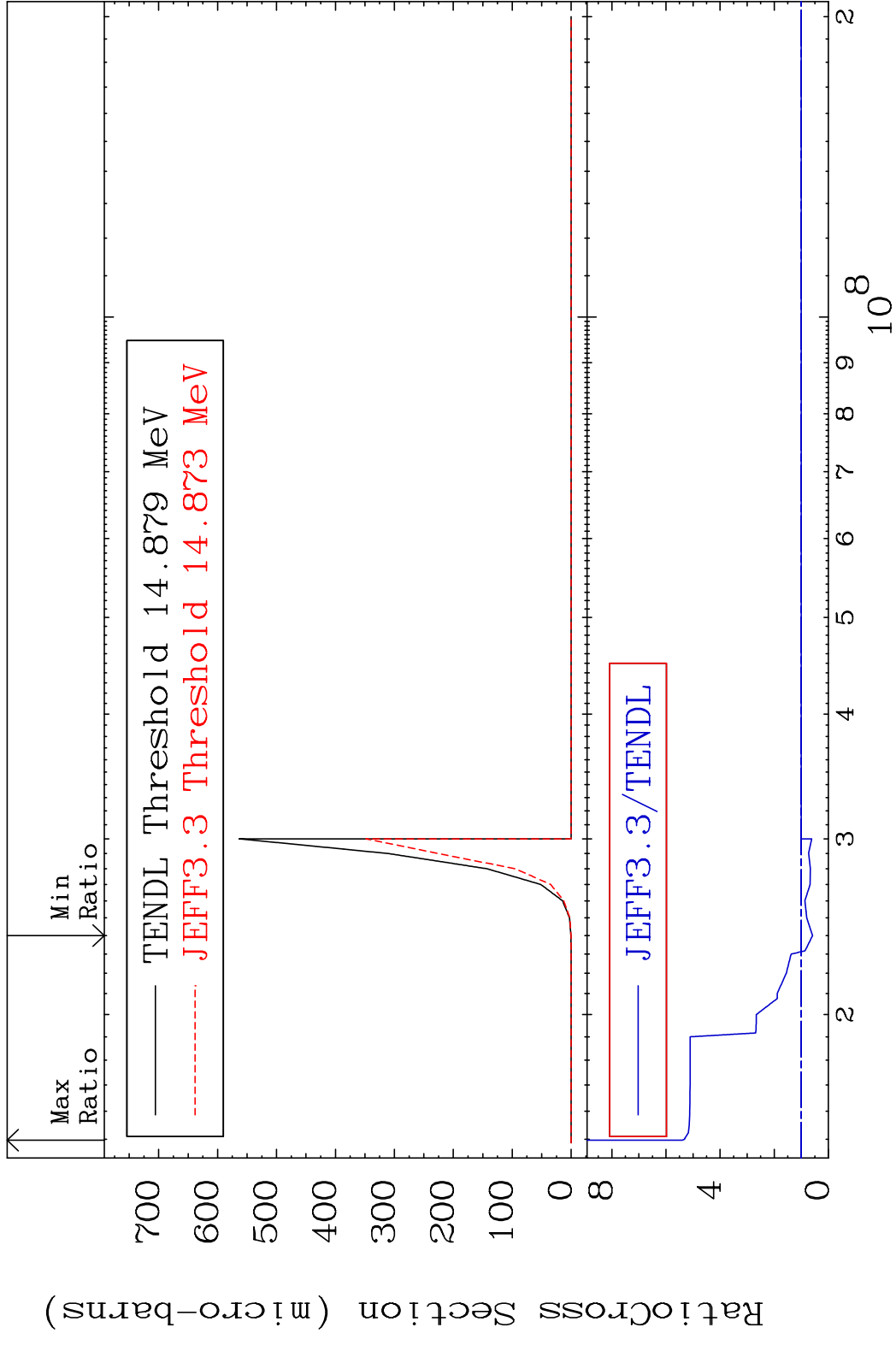


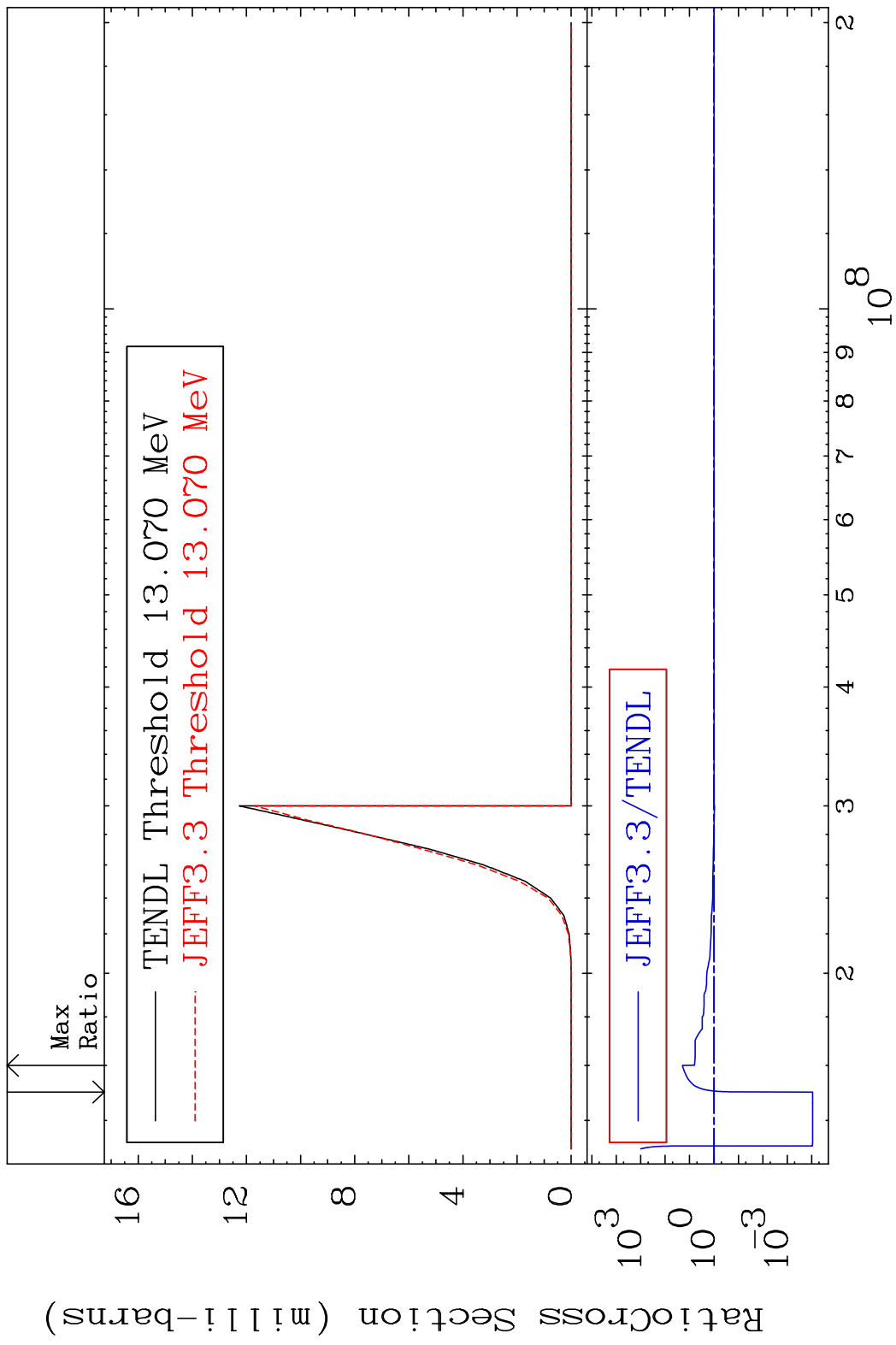


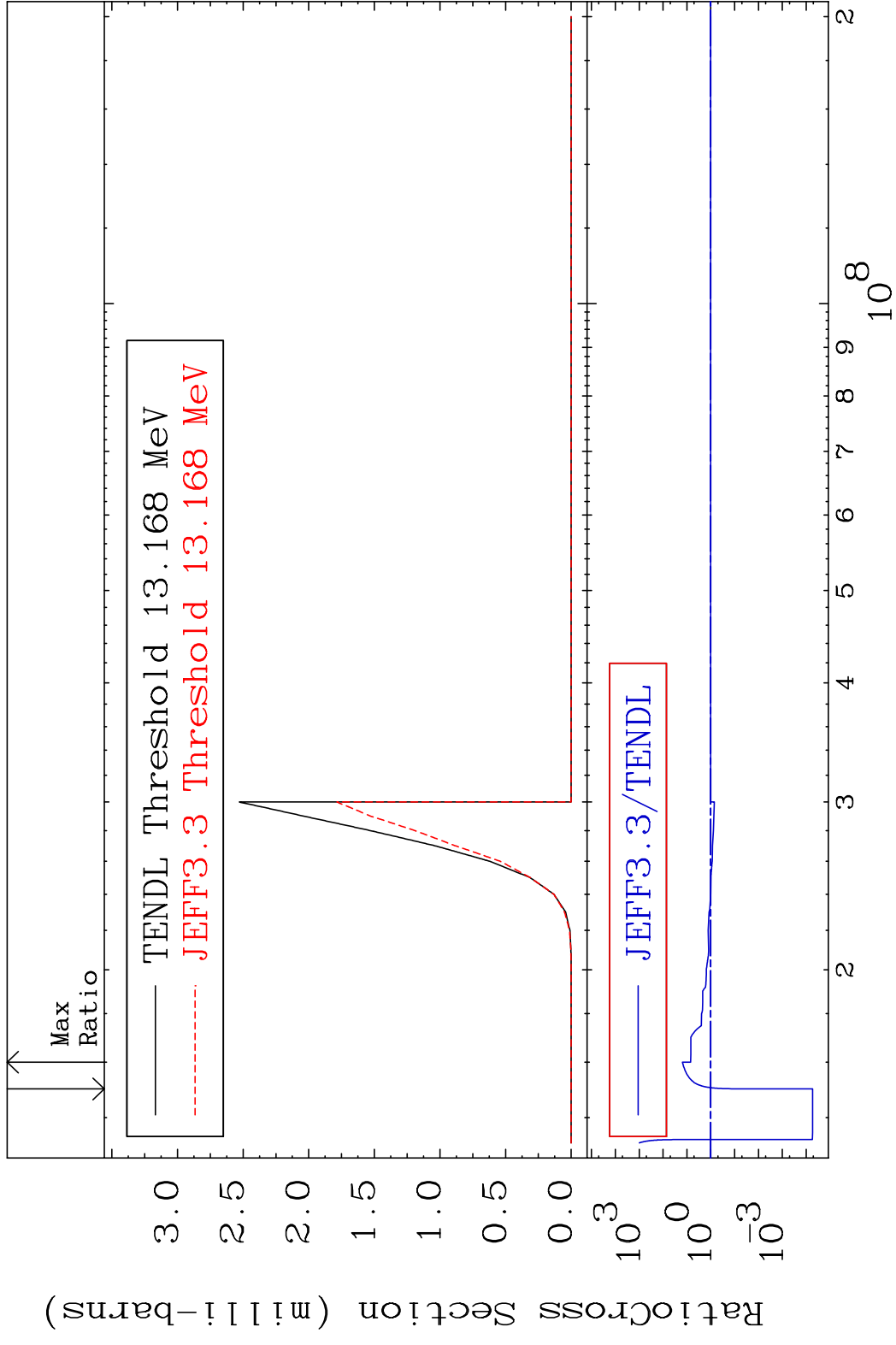


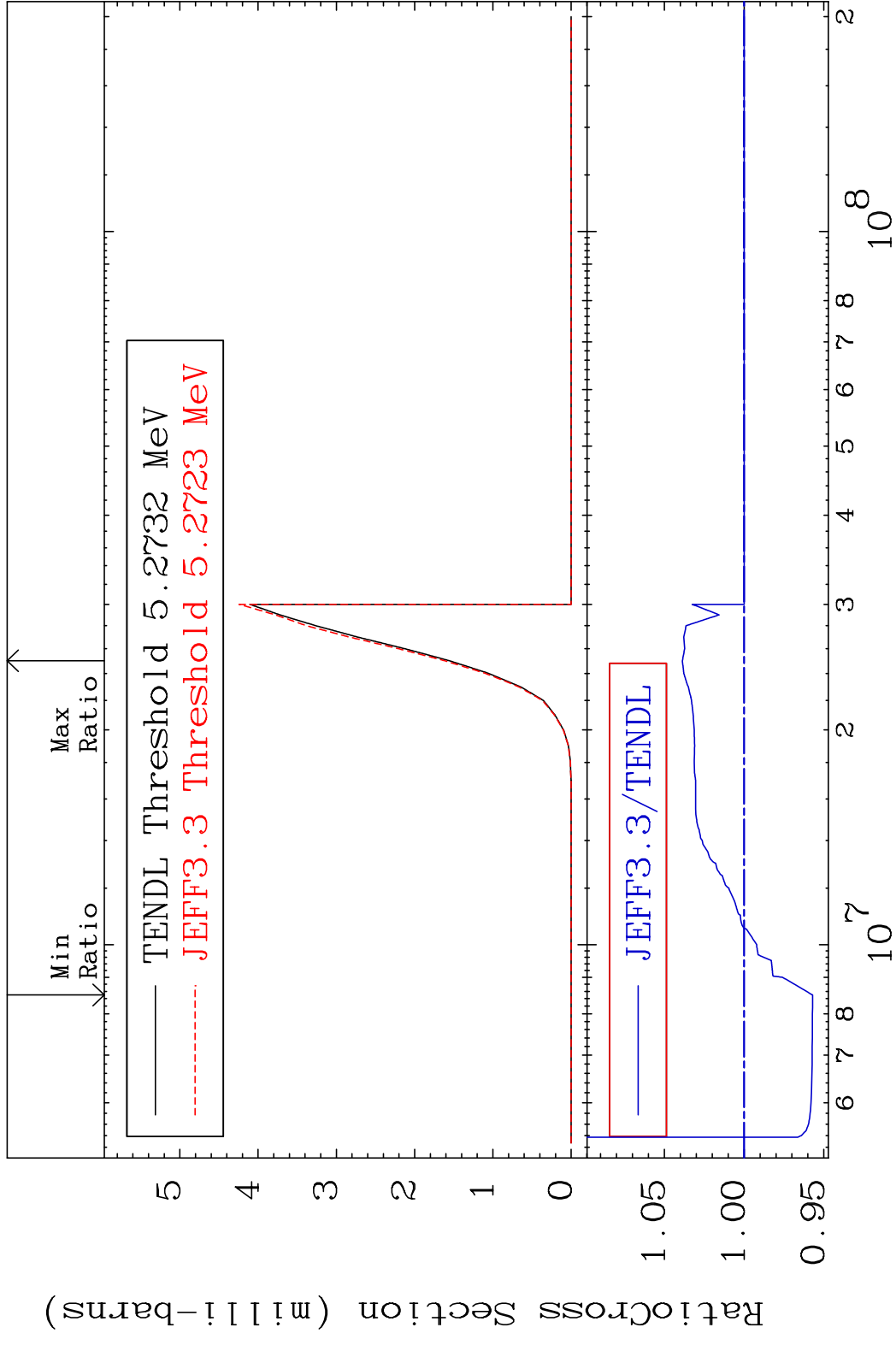


MAT 4513 (n, n') He-3:43-Tc-96m1 45-Rh-99  
 Radionuclide Production Cross Section 439.4 %

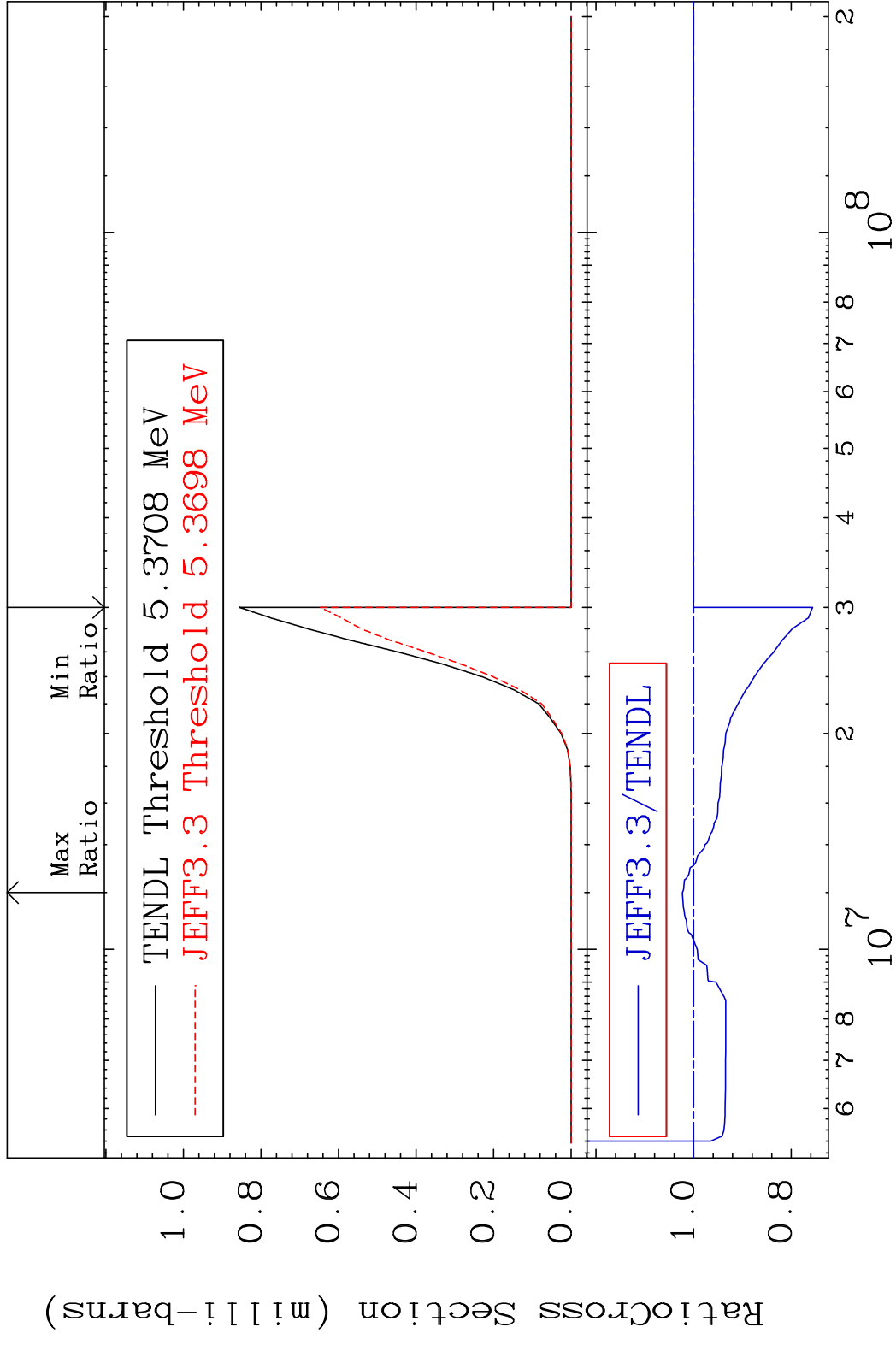


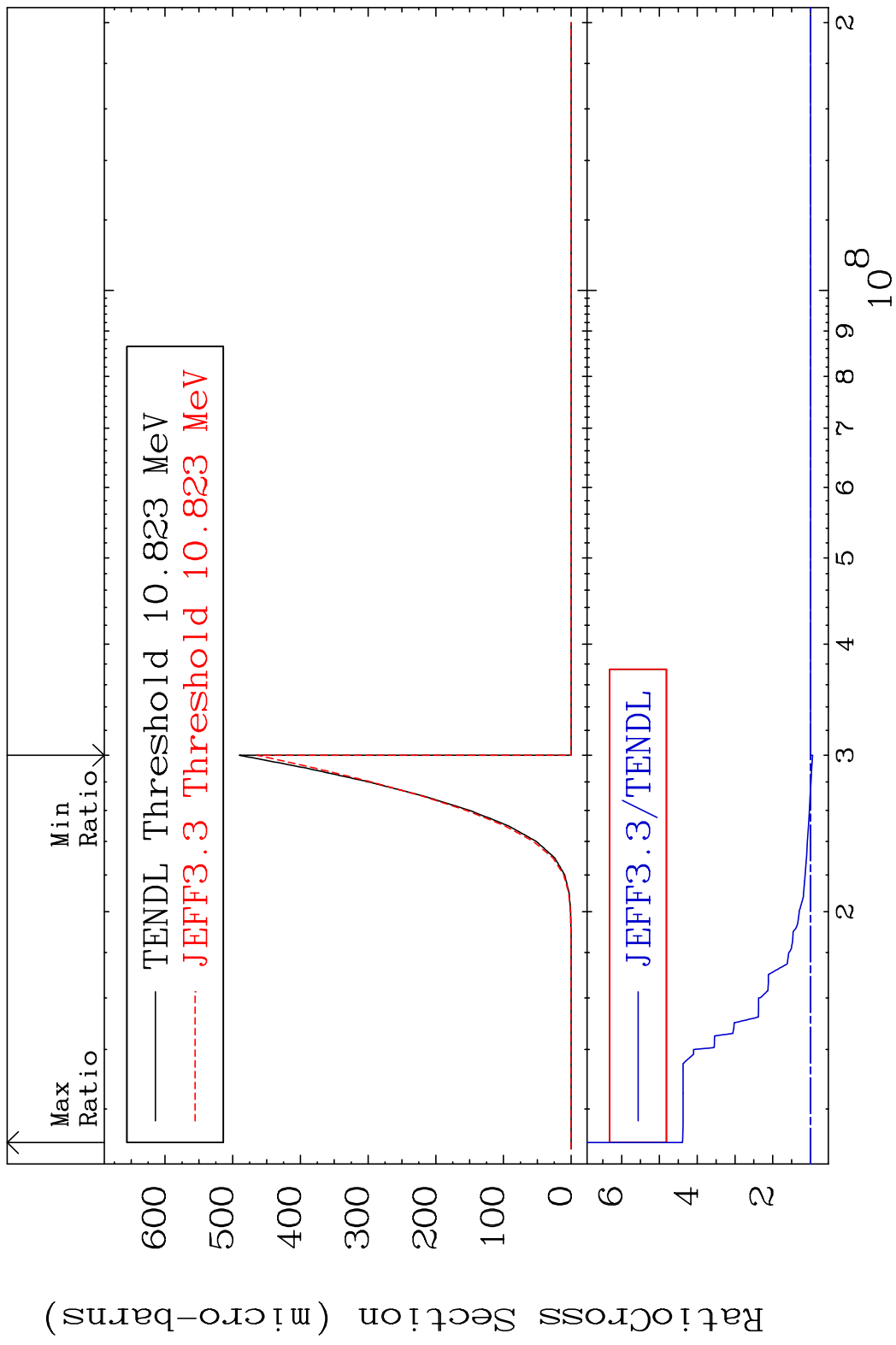




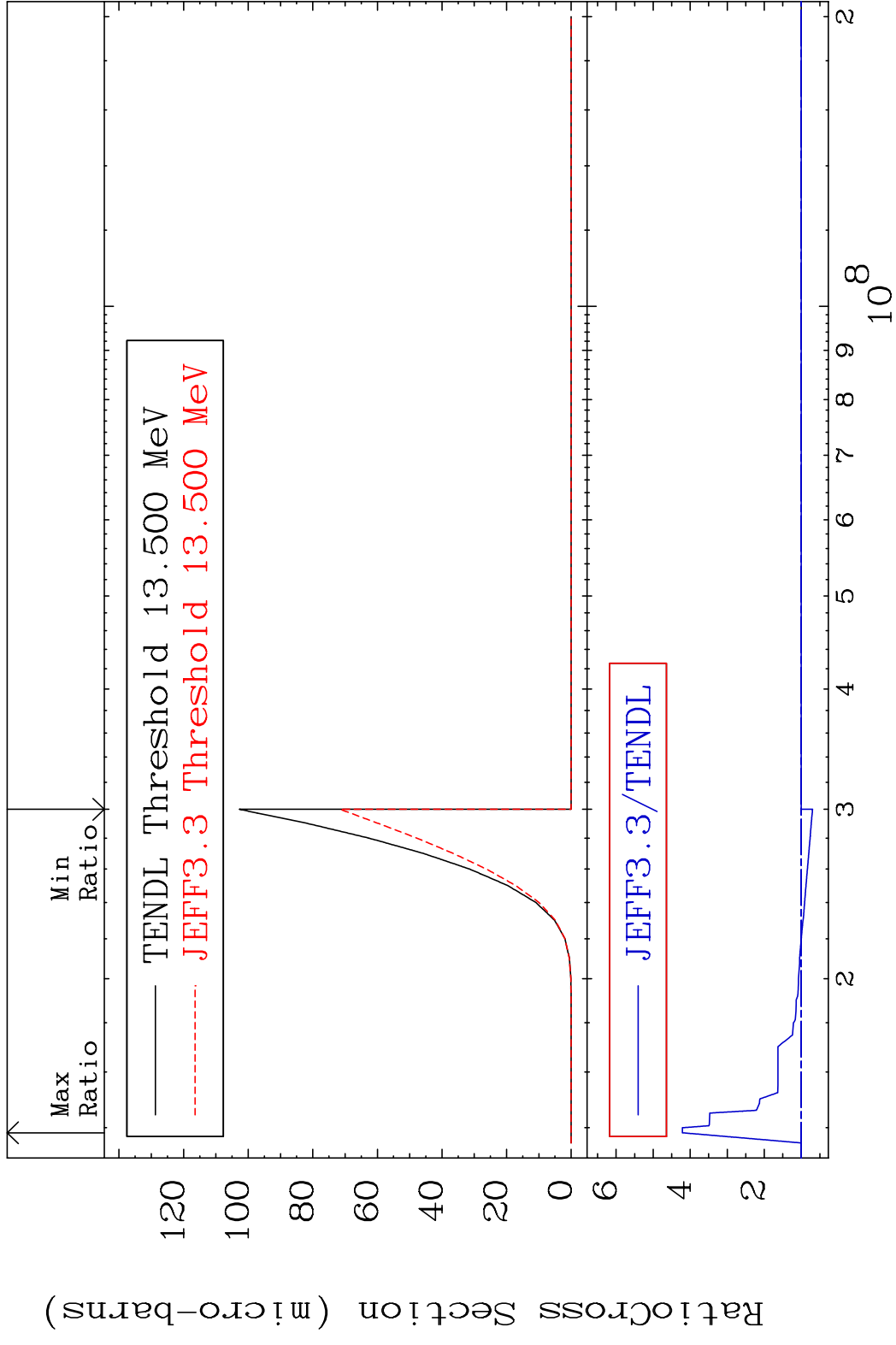


MAT 4513 (n, He-3):43-Tc-97m1 45-Rh-99  
 Radionuclide Production Cross Section 2.311 %









MAT 4513 (n, p) t:43-Tc-96g 45-Rh-99  
 Radionuclide Production Cross Section 98e99idto 743.1 %

