

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

MAT 4531

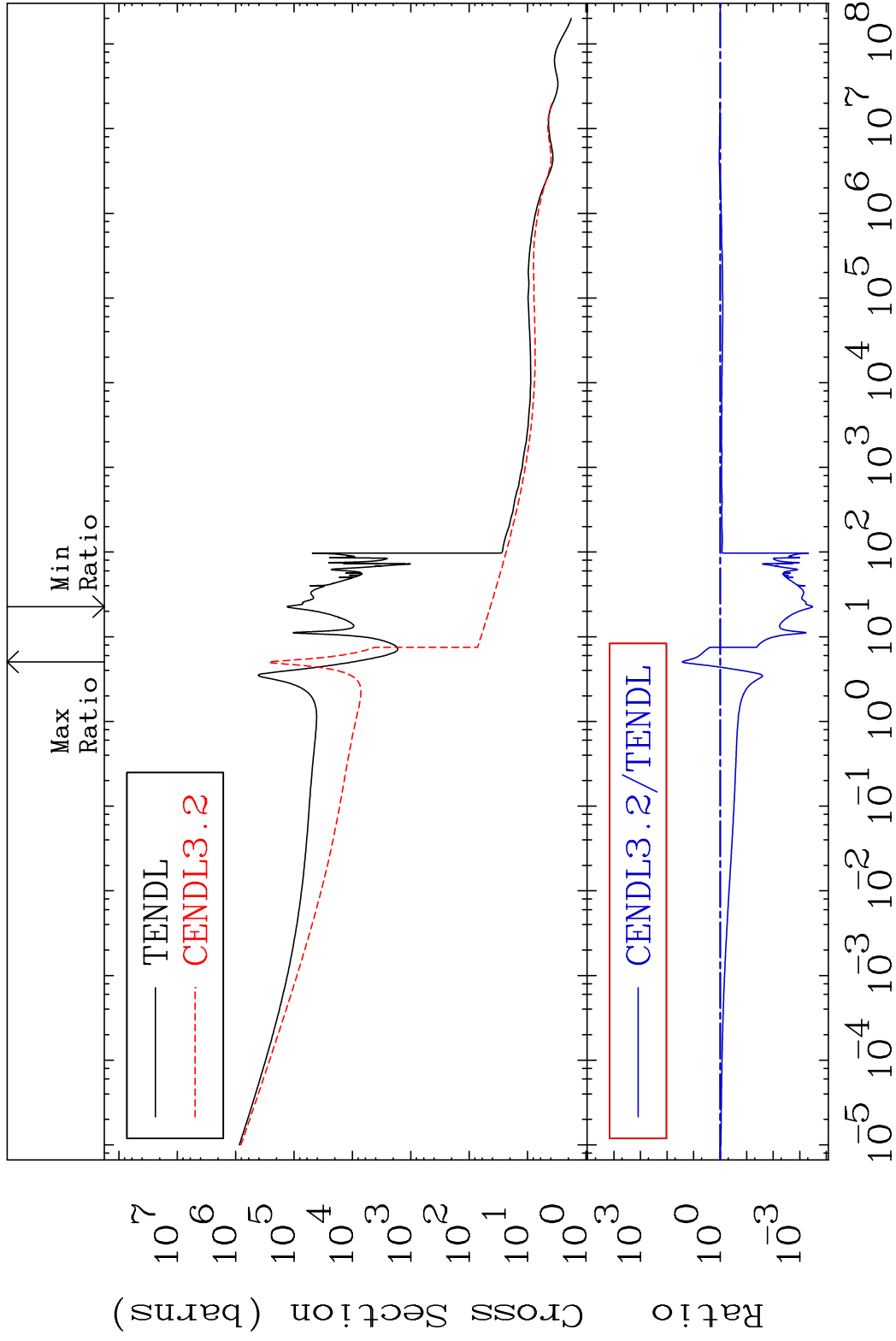
Total

45-Rh-105

Cross Section

-99.97

To 2556. %



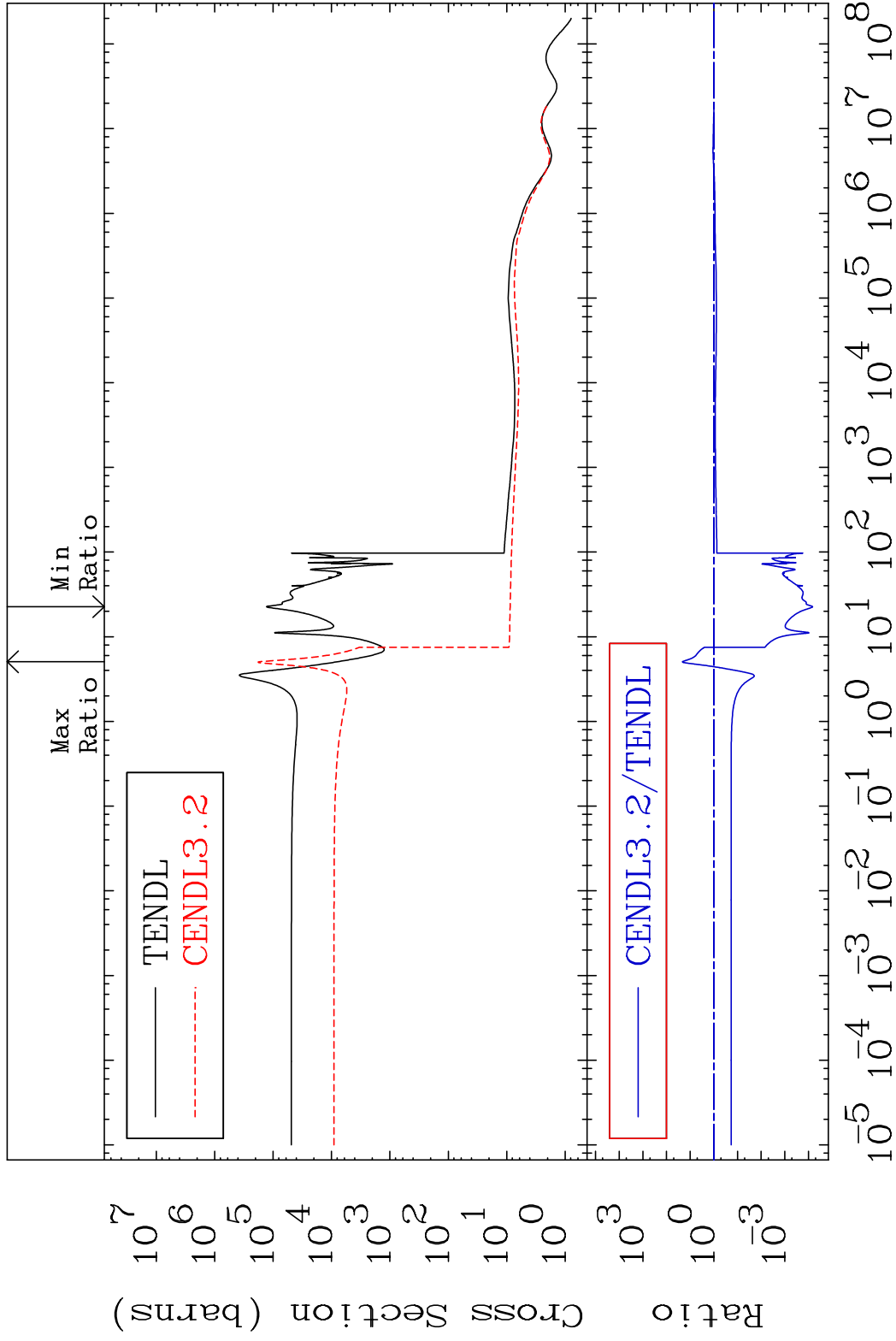
1

Incident Energy (eV)

45-Rh-105

MAT 4531

Elastic Cross Section -99.99 To 2044. %  
45-Rh-105

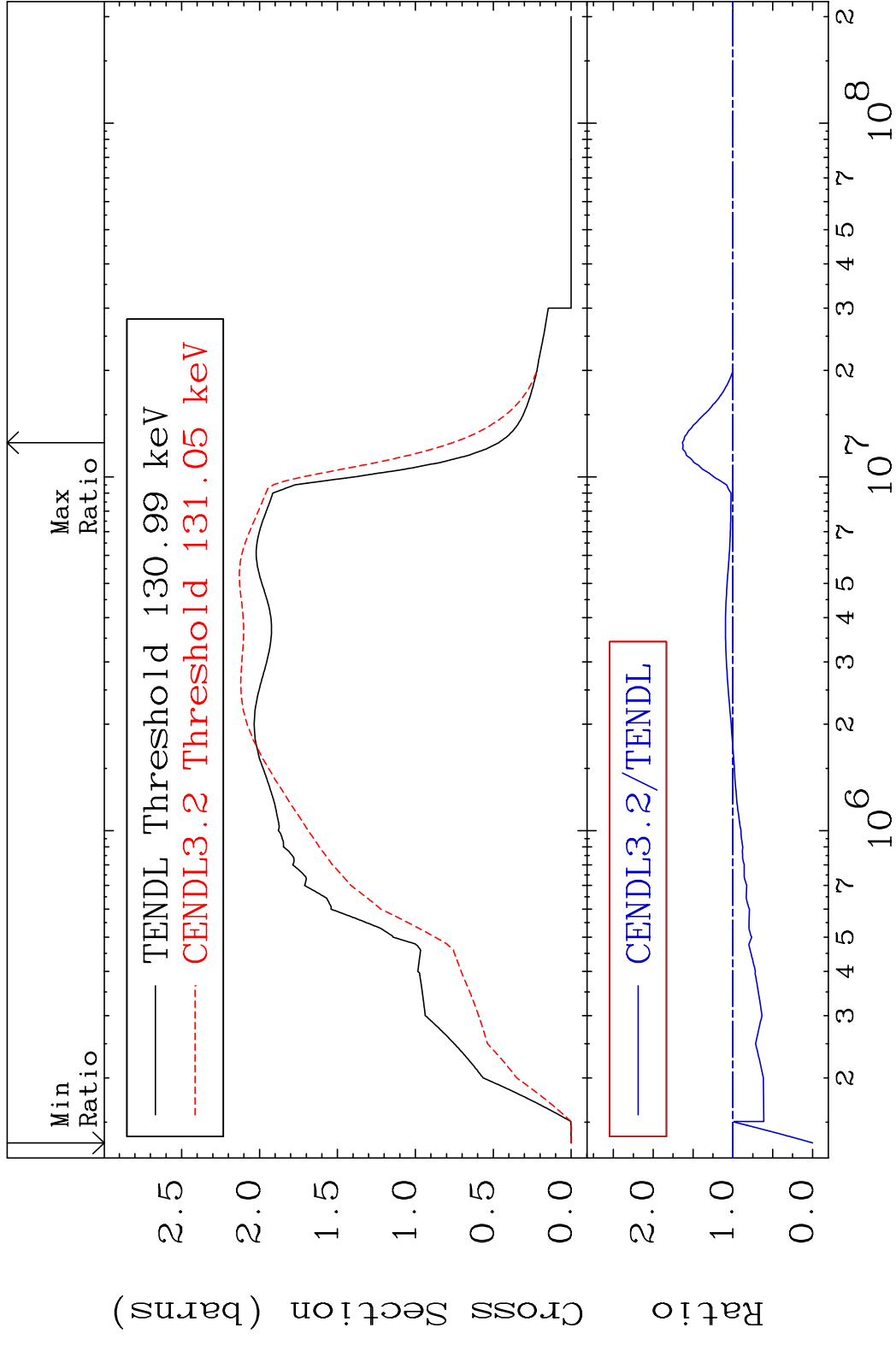


2

Incident Energy (eV)

45-Rh-105

MAT 4531 Inelastic Cross Section -100.0 To 63.42 % 45-Rh-105

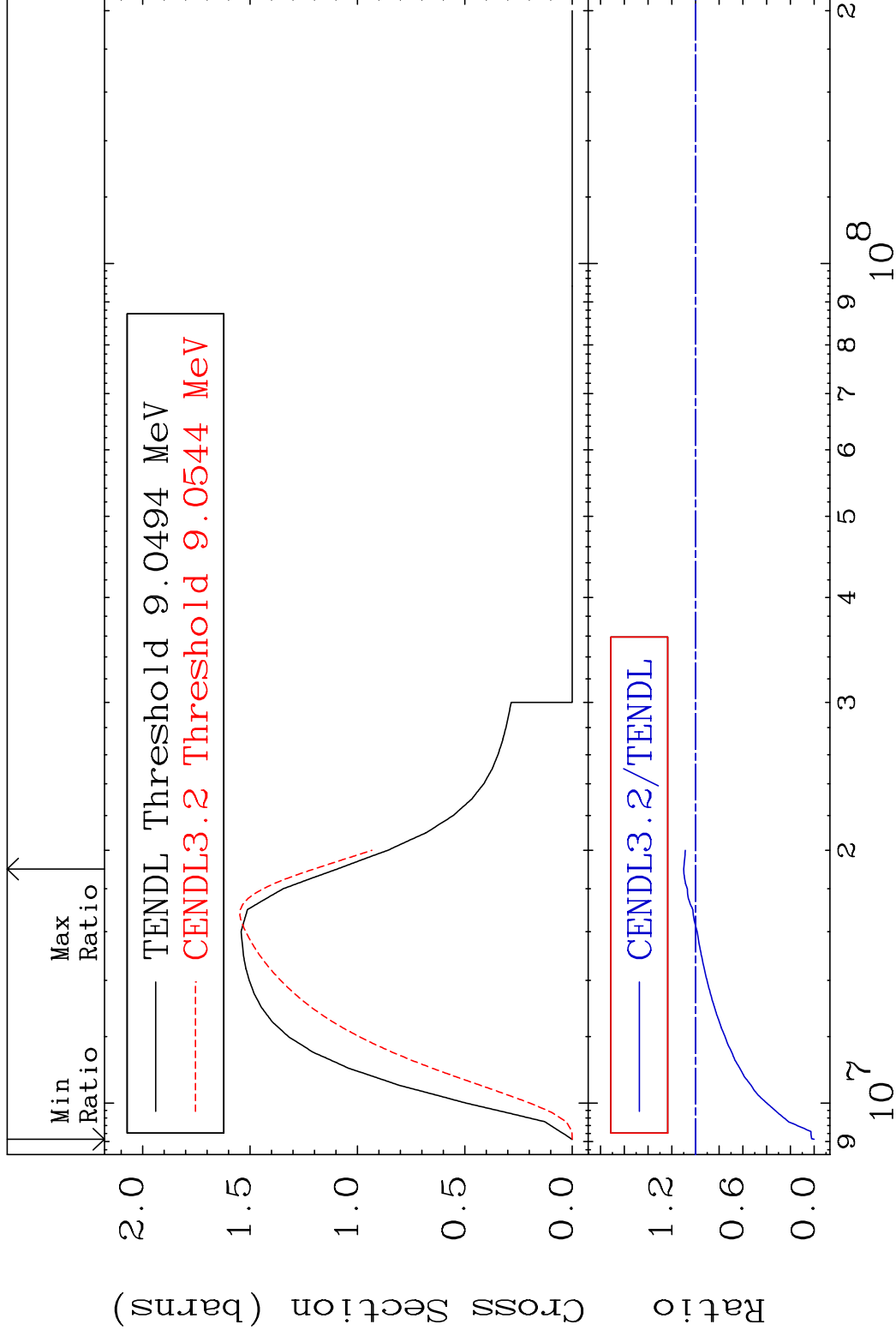


MAT 4531

(n,2n)

45-Rh-105

Cross Section -100.0 To 9.958 %



4

Incident Energy (eV)

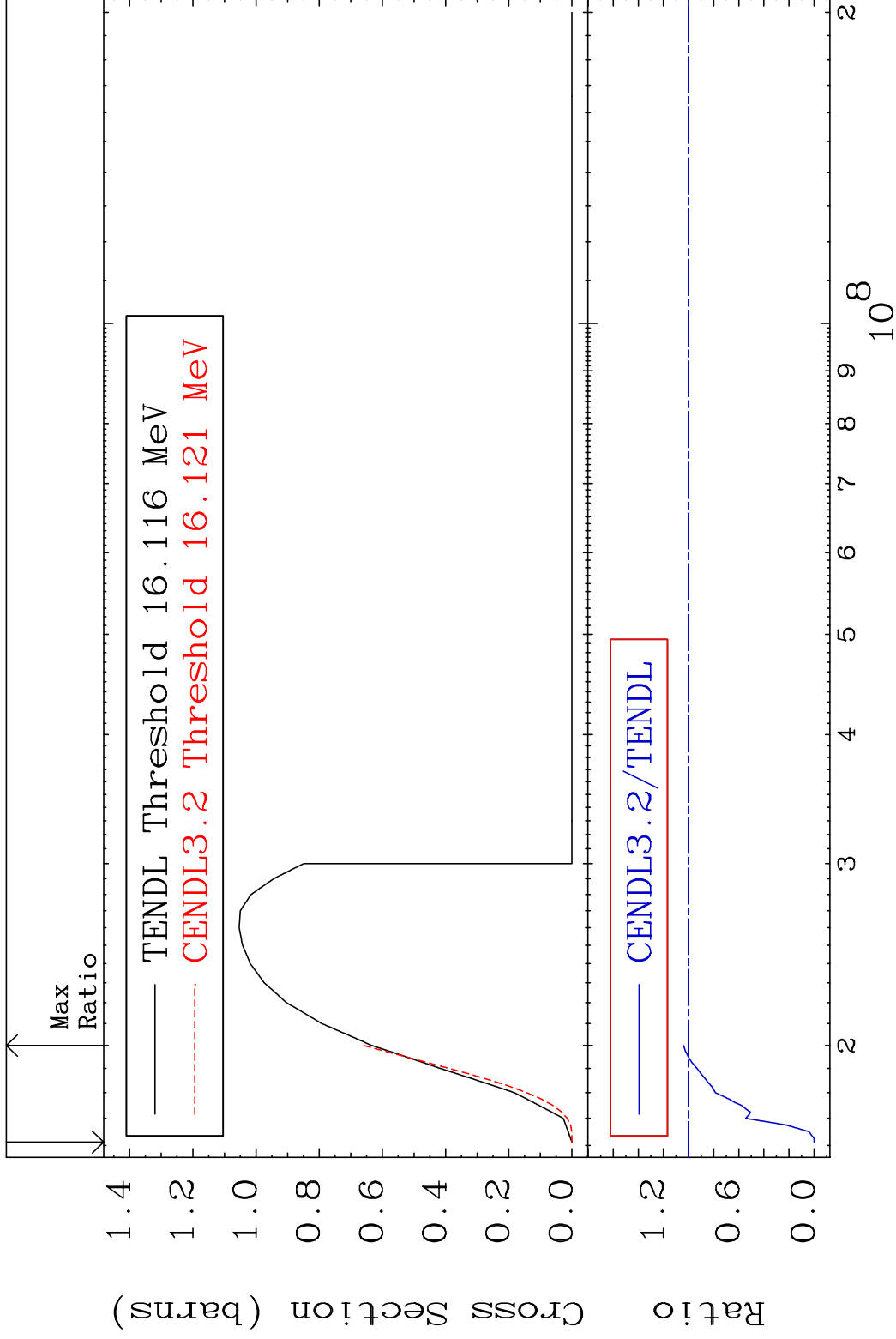
45-Rh-105

MAT 4531

(n,3n)

45-Rh-105

Cross Section -100.0 To 4.048 %



5

Incident Energy (eV)

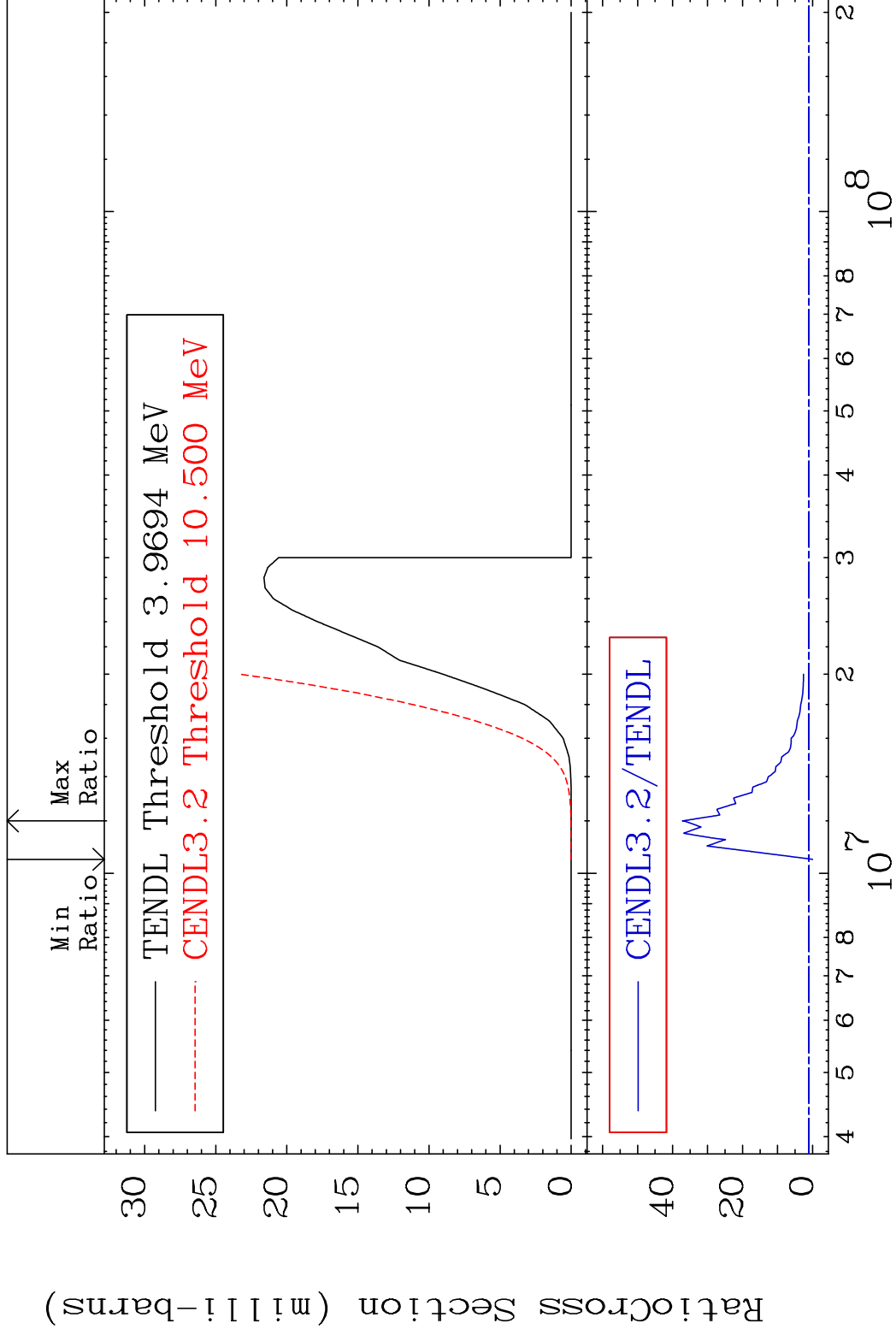
45-Rh-105

MAT 4531

(n, n')  $\alpha$

45-Rh-105

Cross Section -100.0 To 3621. %



6

Incident Energy (eV)

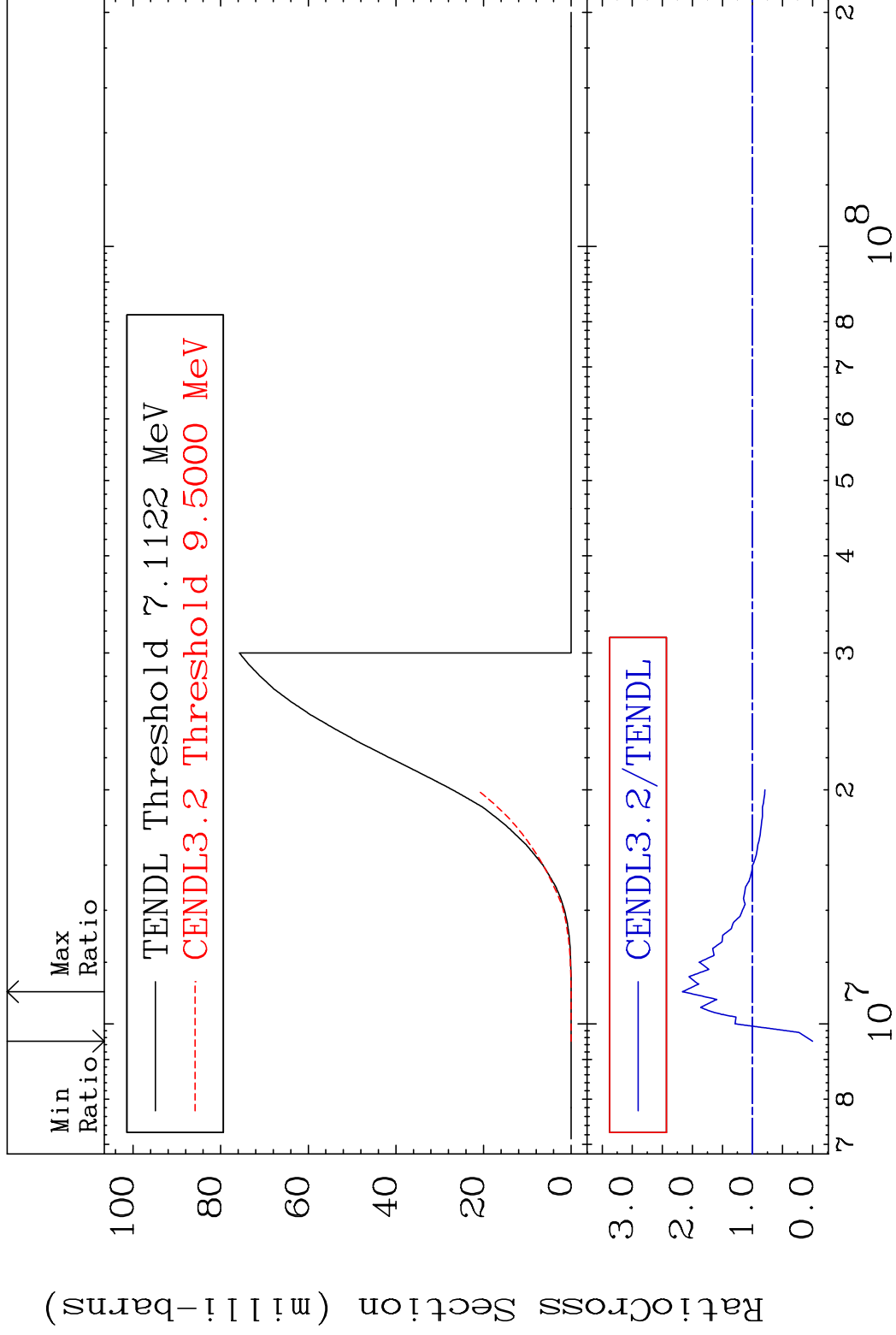
45-Rh-105

MAT 4531

(n, n') p

45-Rh-105

Cross Section -100.0 To 116.7 %



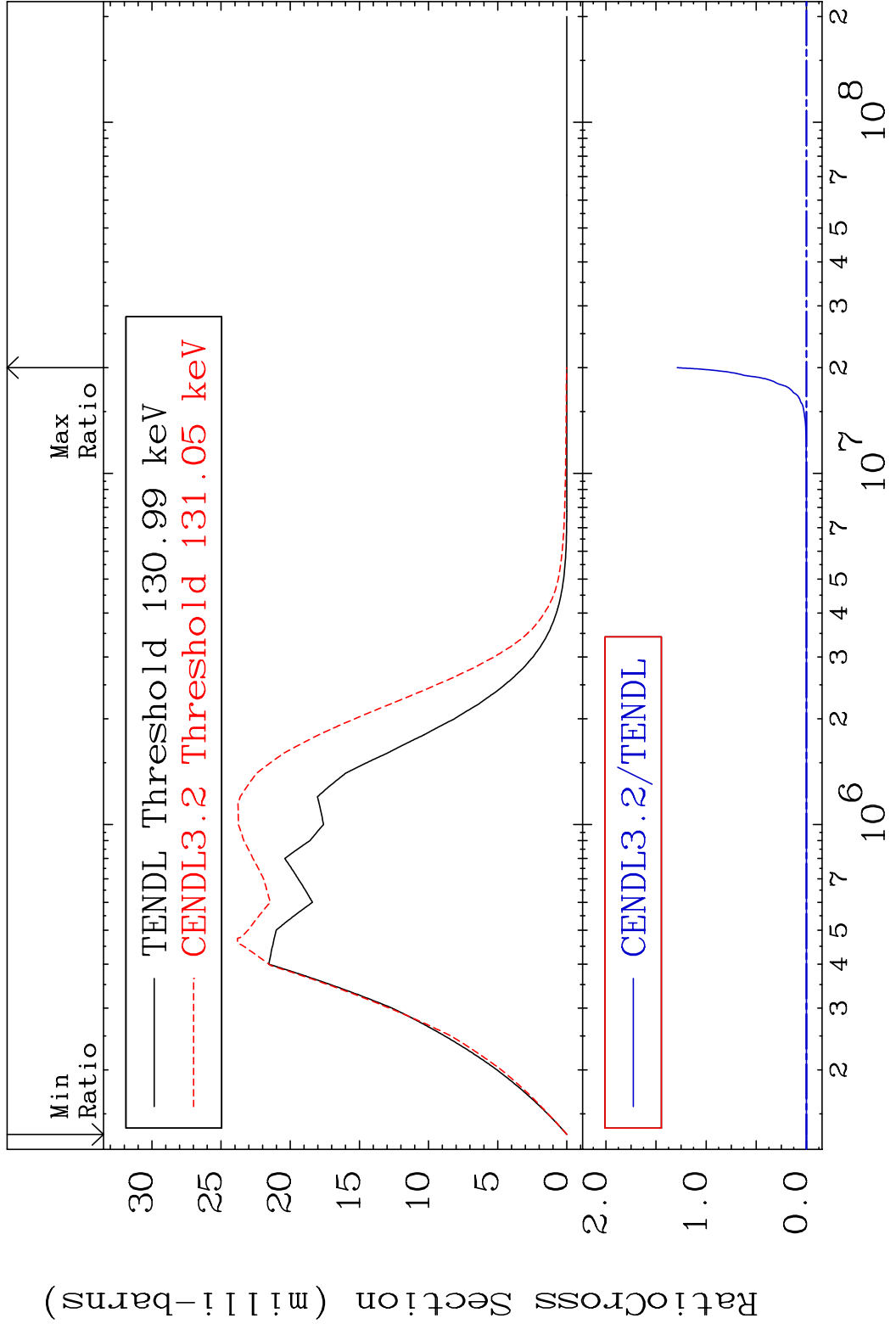
7

Incident Energy (eV)

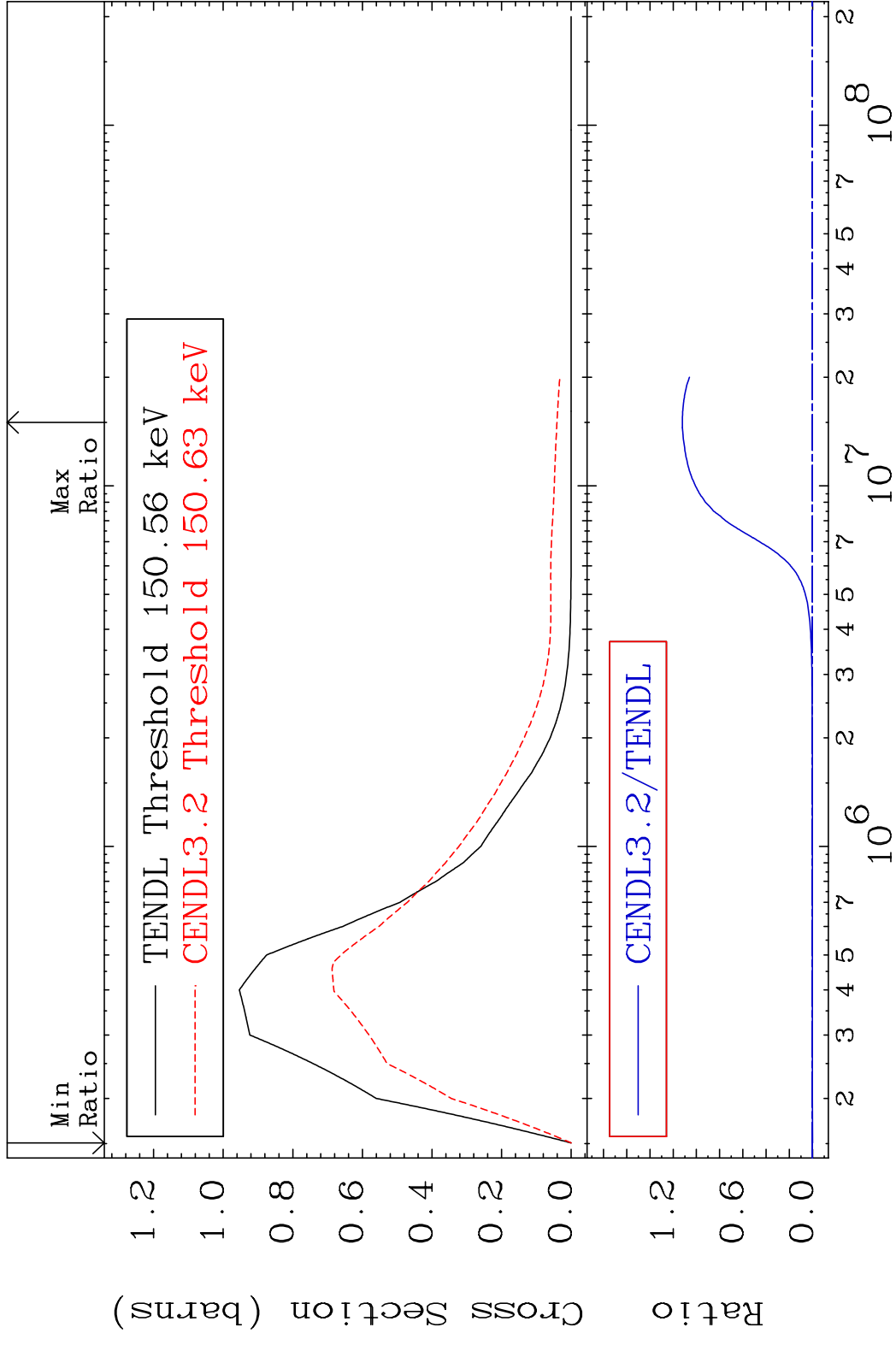
45-Rh-105



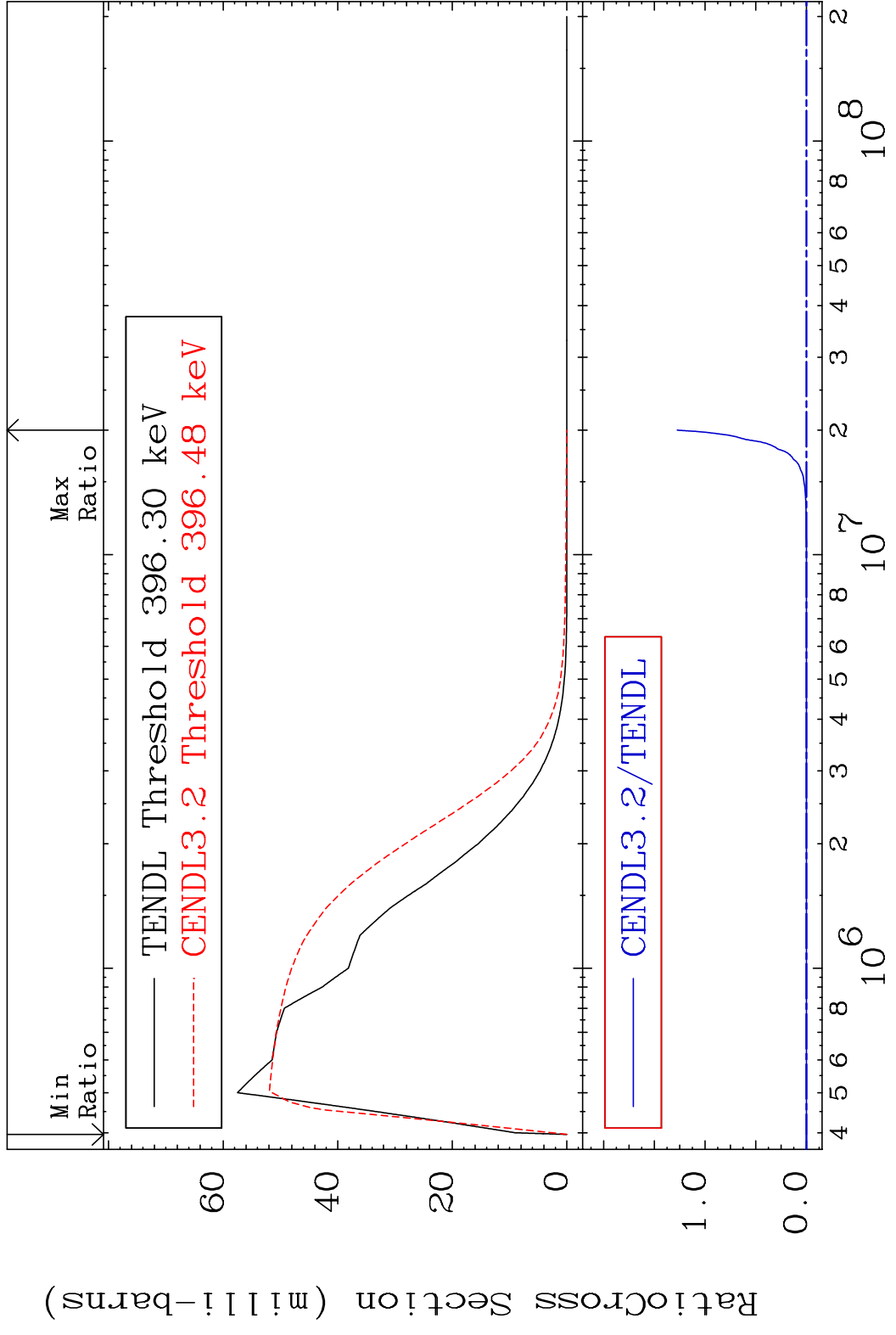
MAT 4531 MT= 51 (n,n') Level 45-Rh-105  
 Cross Section -100.0 To 9999. %



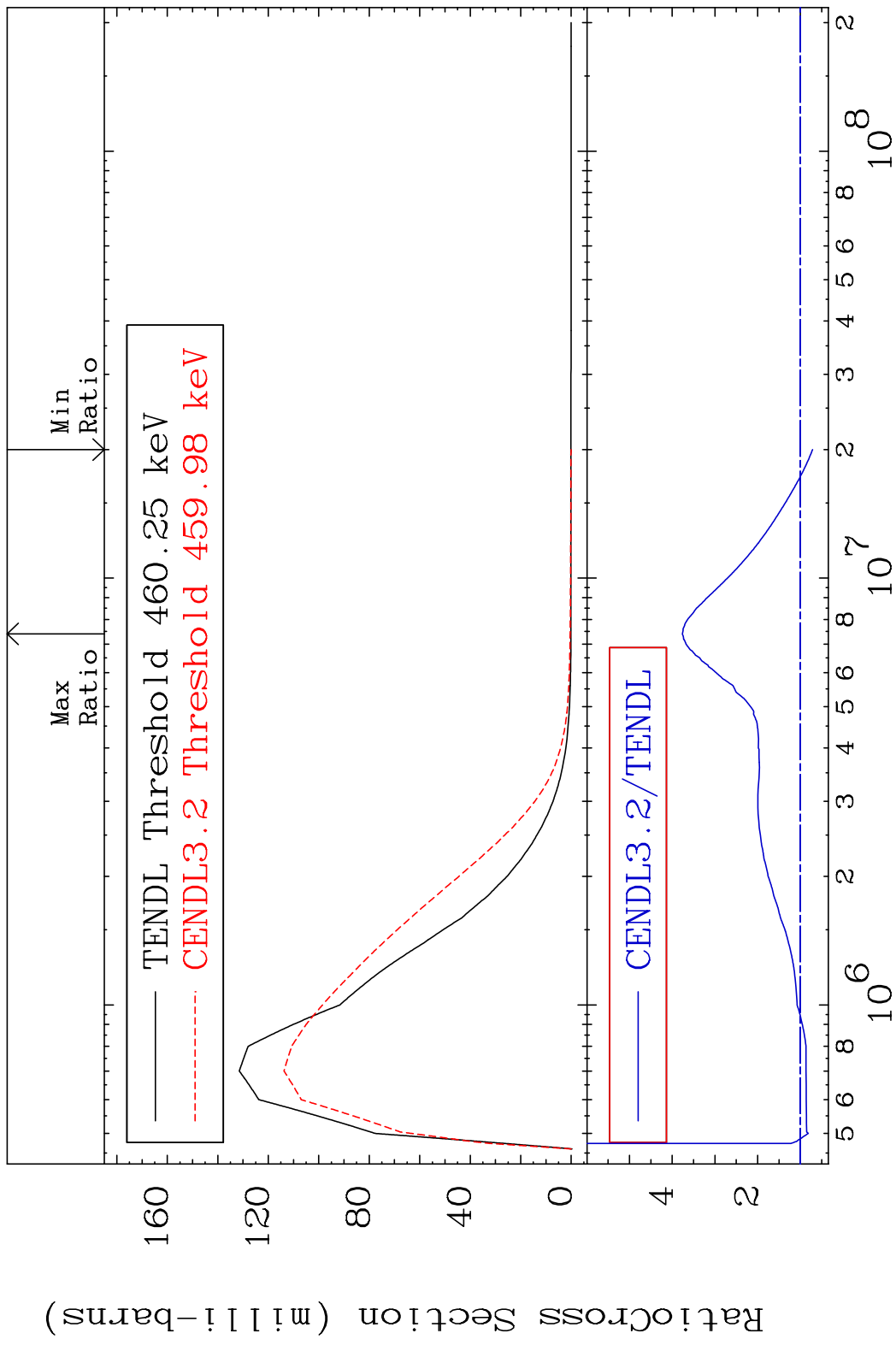
MAT 4531 MT= 52 (n, n') Level 45-Rh-105  
 Cross Section -100.0 To 9999. %



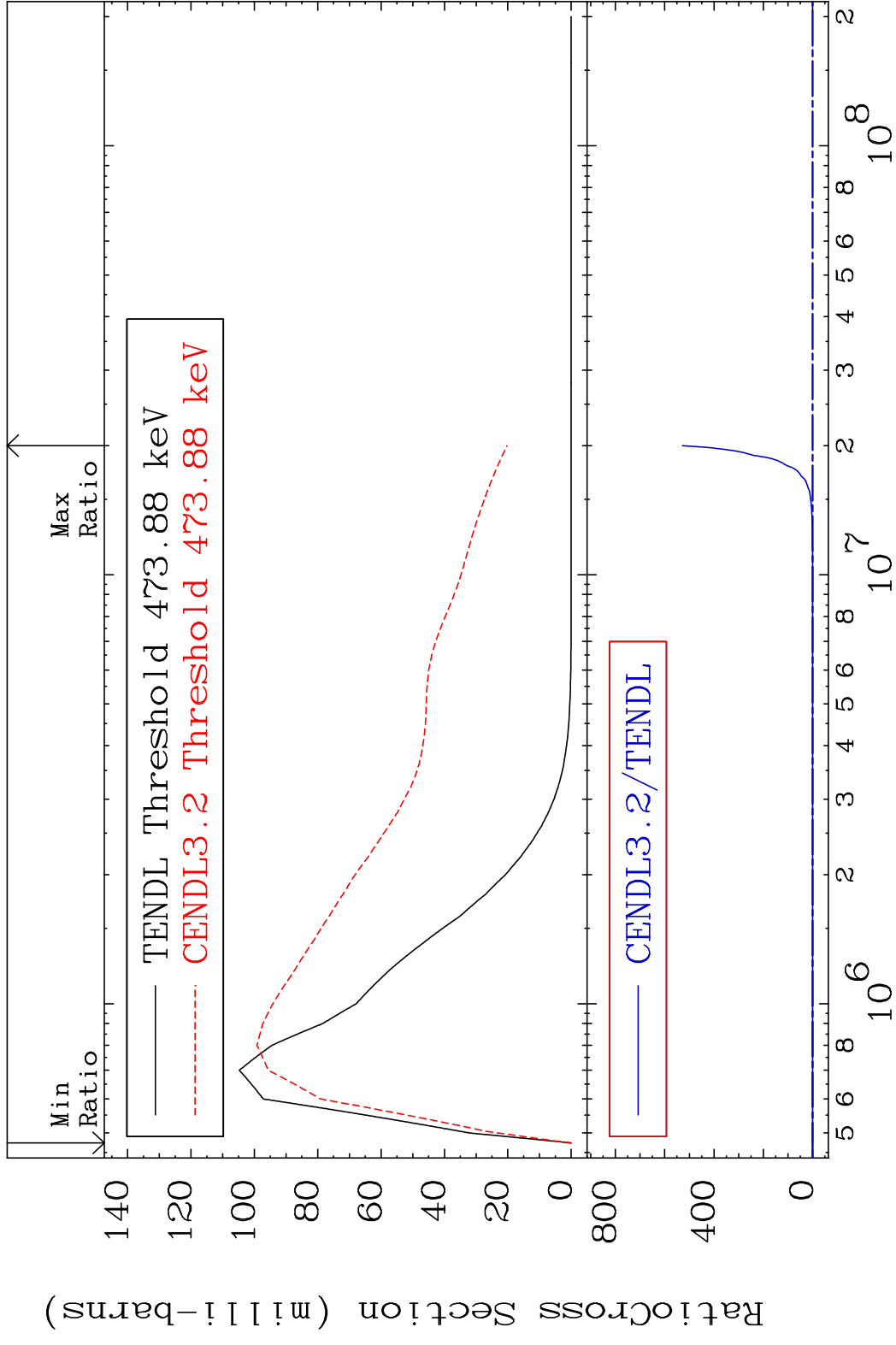
MAT 4531 MT= 53 (n, n') Level 45-Rh-105  
 Cross Section -100.0 To 9999. %



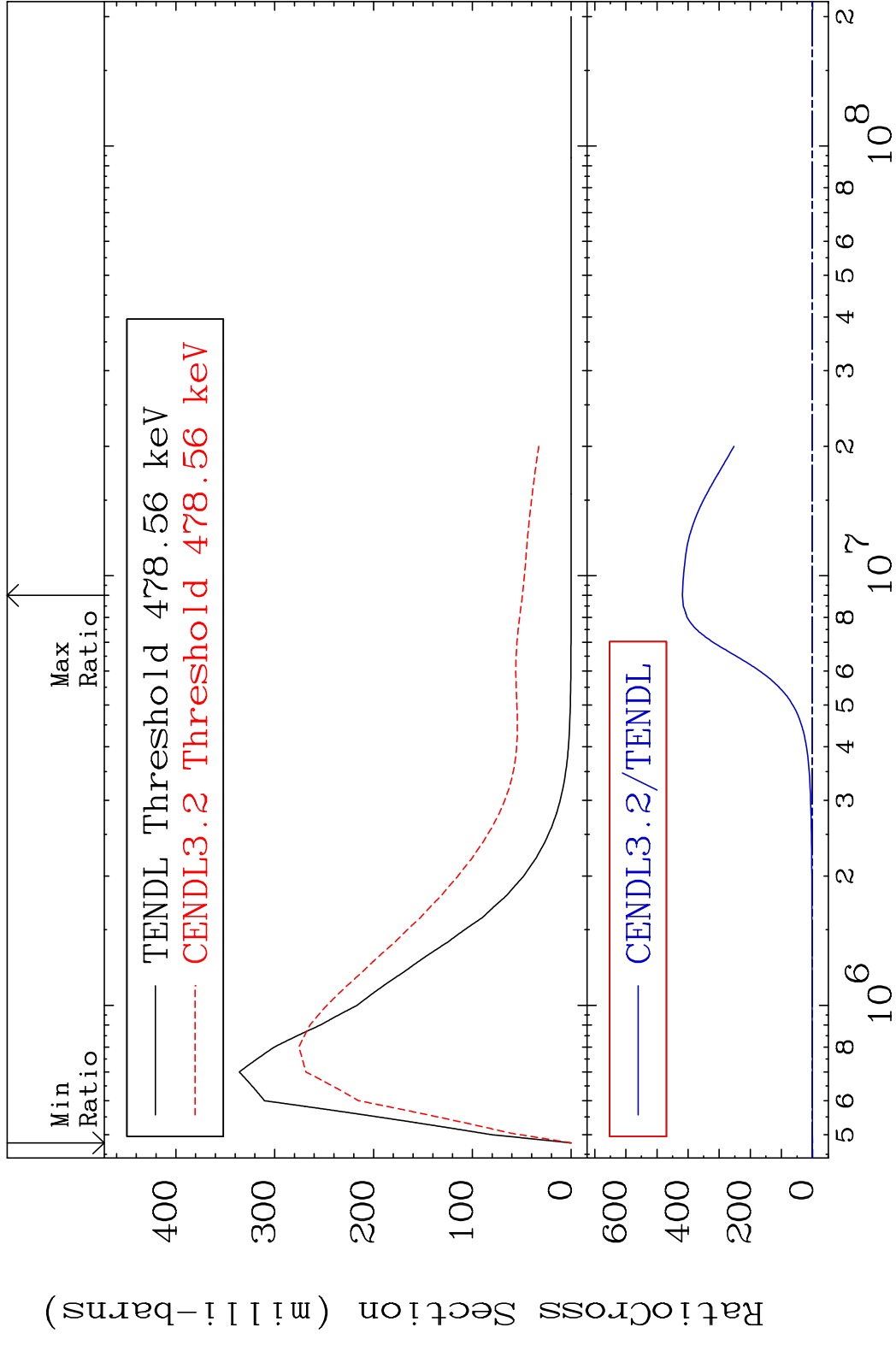
MAT 4531 MT= 54 (n, n') Level 45-Rh-105  
 Cross Section -28.62 To 276.2 %



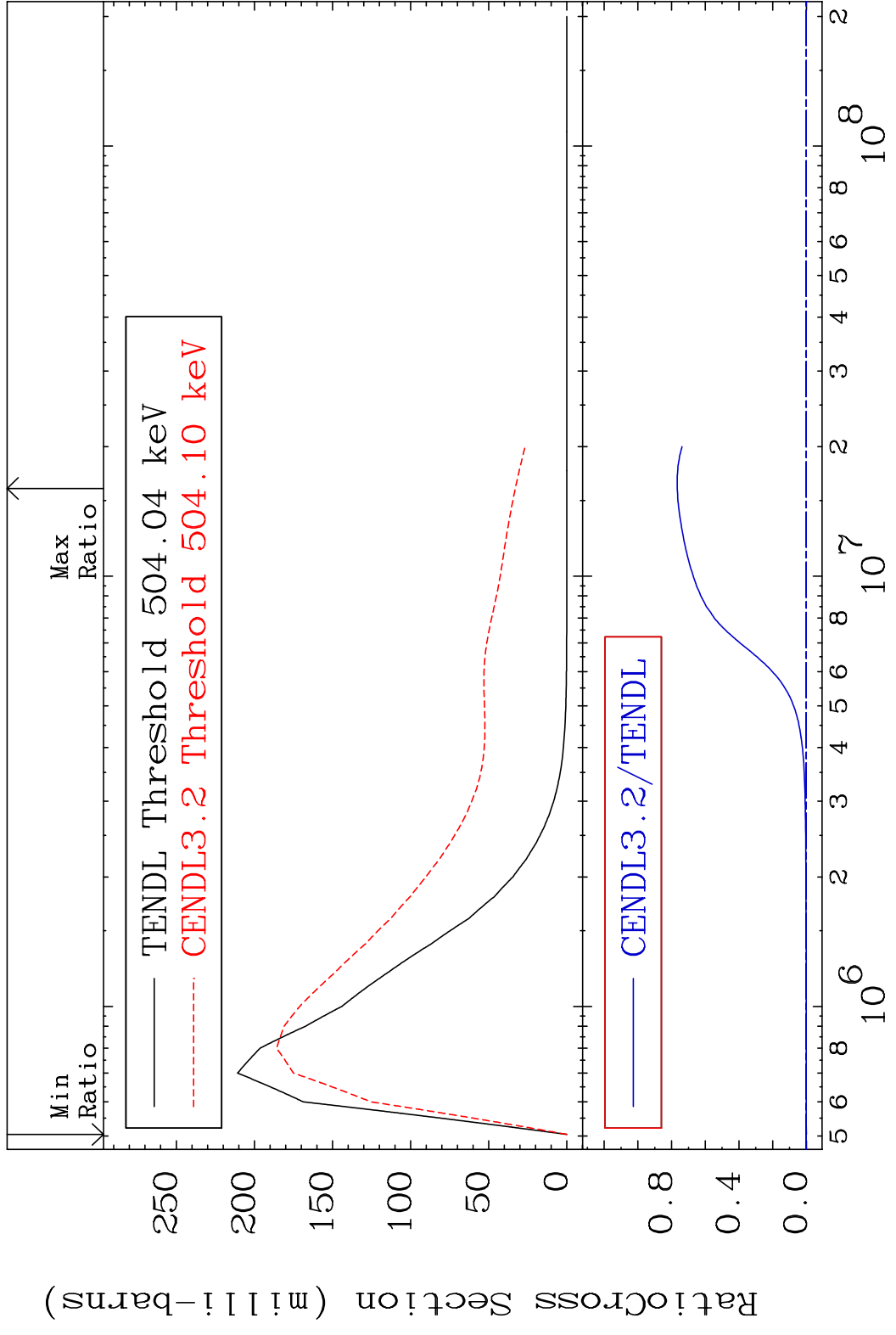
MAT 4531 MT= 55 (n, n') Level 45-Rh-105  
 Cross Section -100.0 To 9999. %



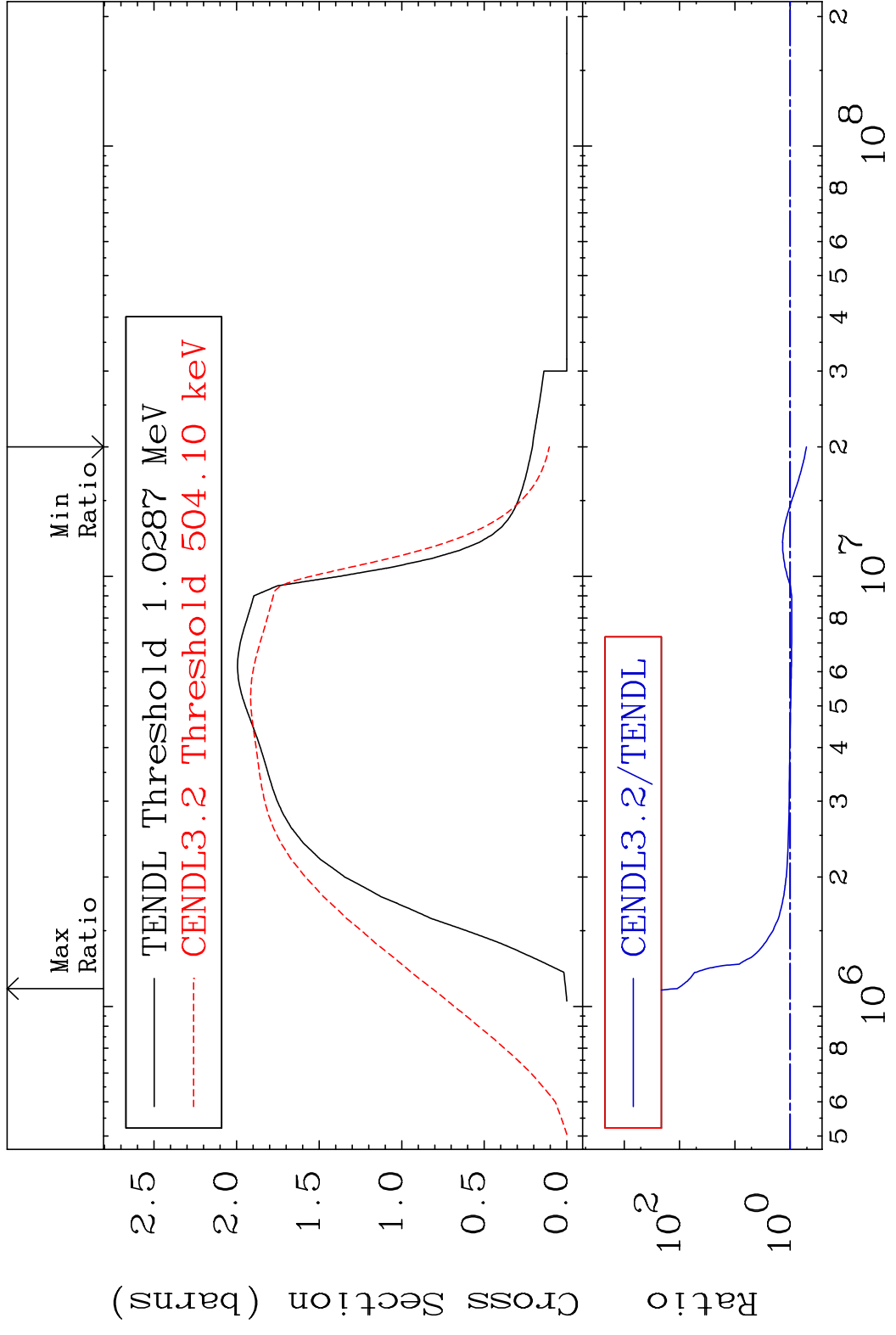
MAT 4531 MT= 56 (n, n') Level 45-Rh-105  
 Cross Section -100.0 To 9999. %



MAT 4531 MT= 57 (n, n') Level 45-Rh-105  
 Cross Section -100.0 To 9999. %



MAT 4531 (n,n') Continuum 45-Rh-105  
 Cross Section -49.14 To 9999. %



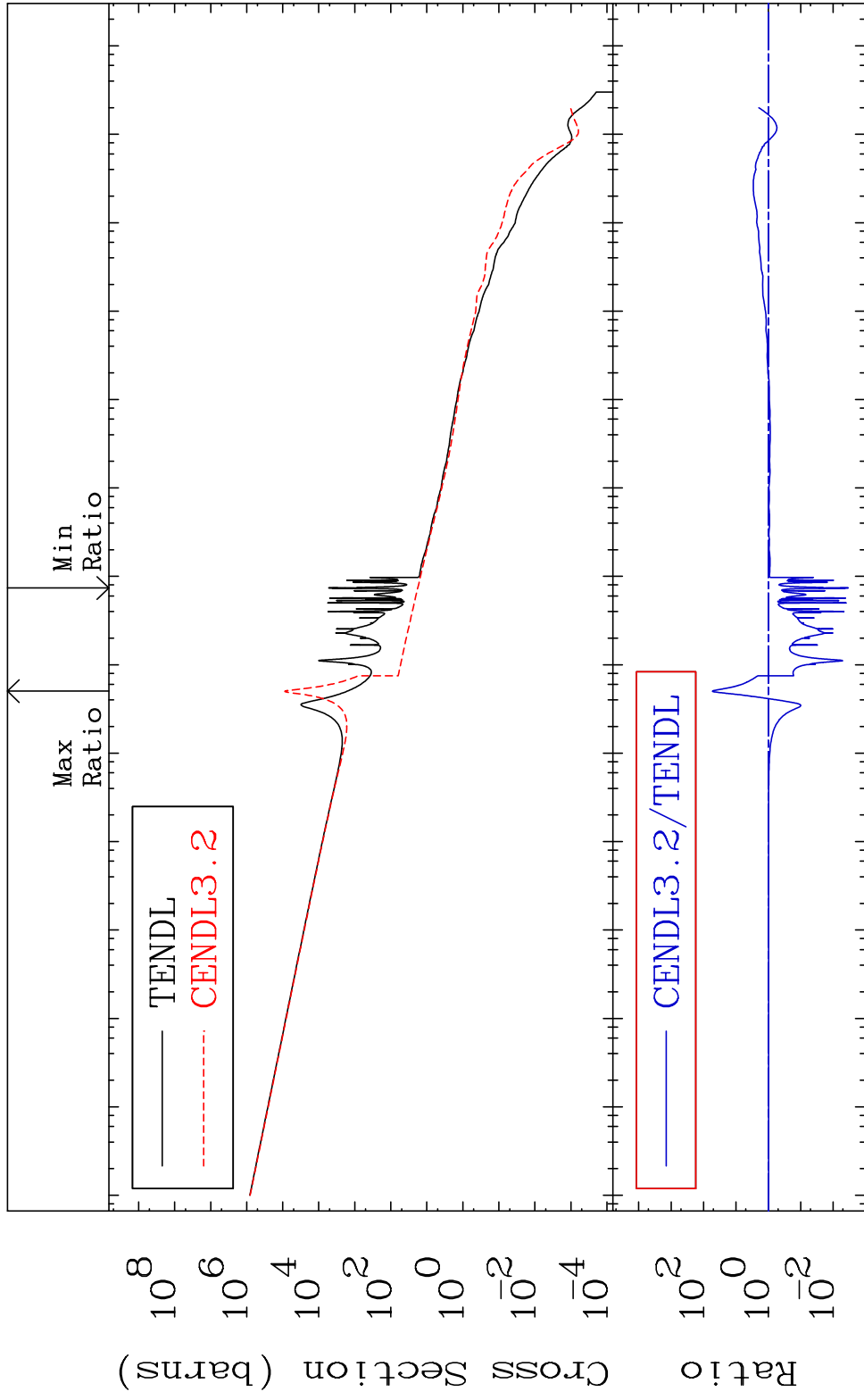


MAT 4531

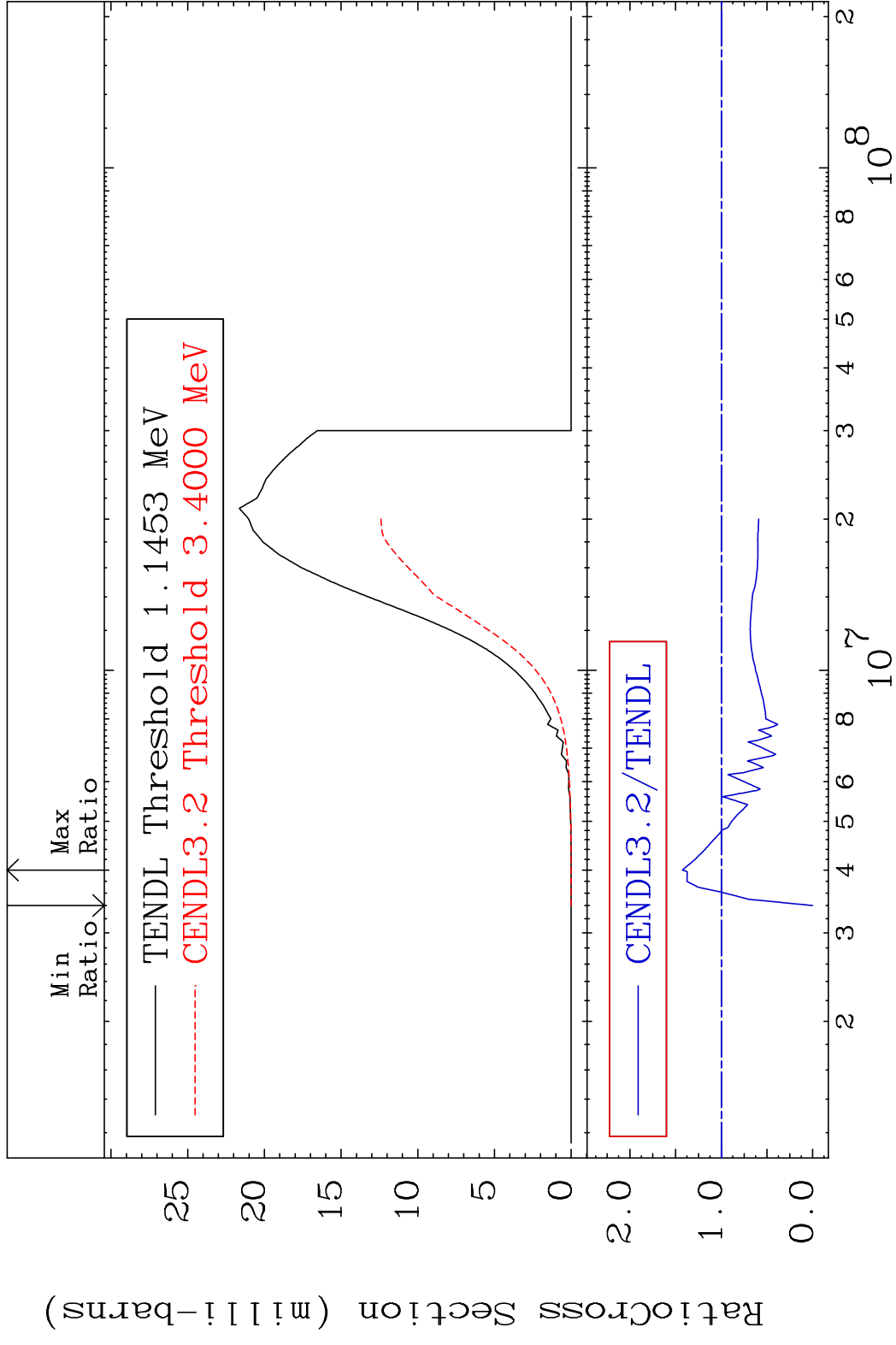
45-Rh-105

(n,  $\gamma$ )

Cross Section -99.66 To 5240. %



MAT 4531 (n,p) 45-Rh-105  
 Cross Section -100.0 To 42.65 %

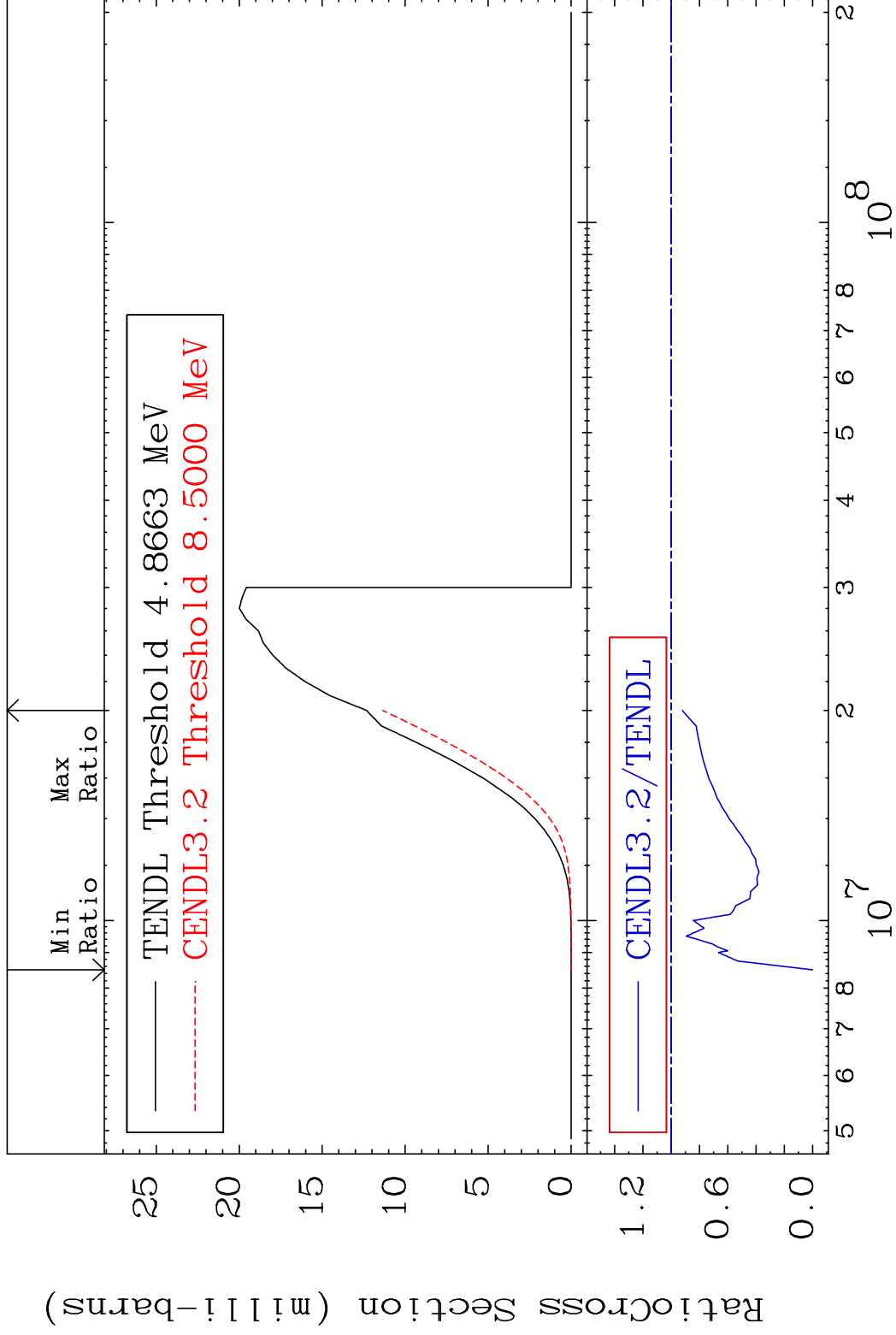


MAT 4531

(n, d)

45-Rh-105

Cross Section -100.0 To -7.886%



18

Incident Energy (eV)

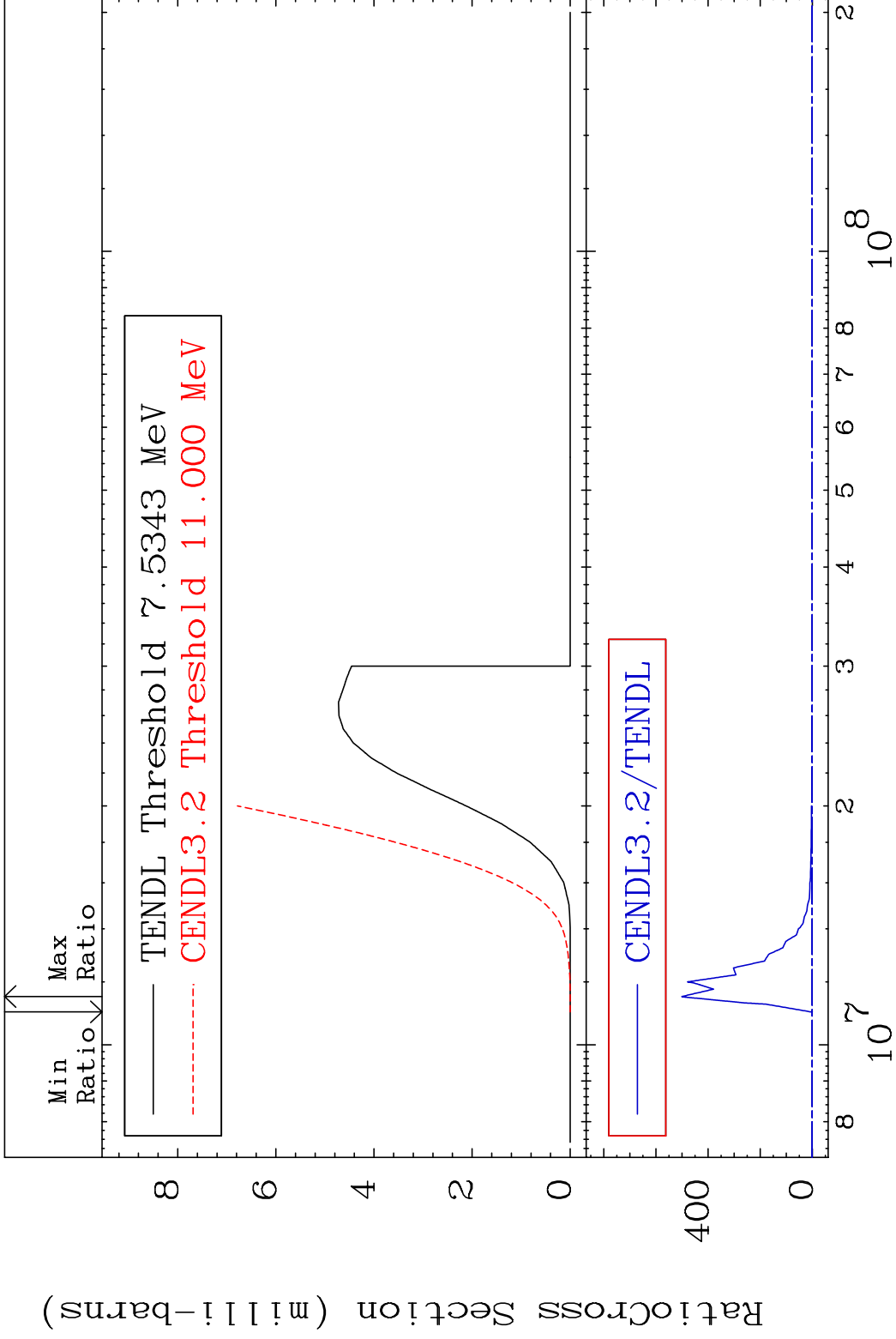
45-Rh-105

MAT 4531

(n, t)

45-Rh-105

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

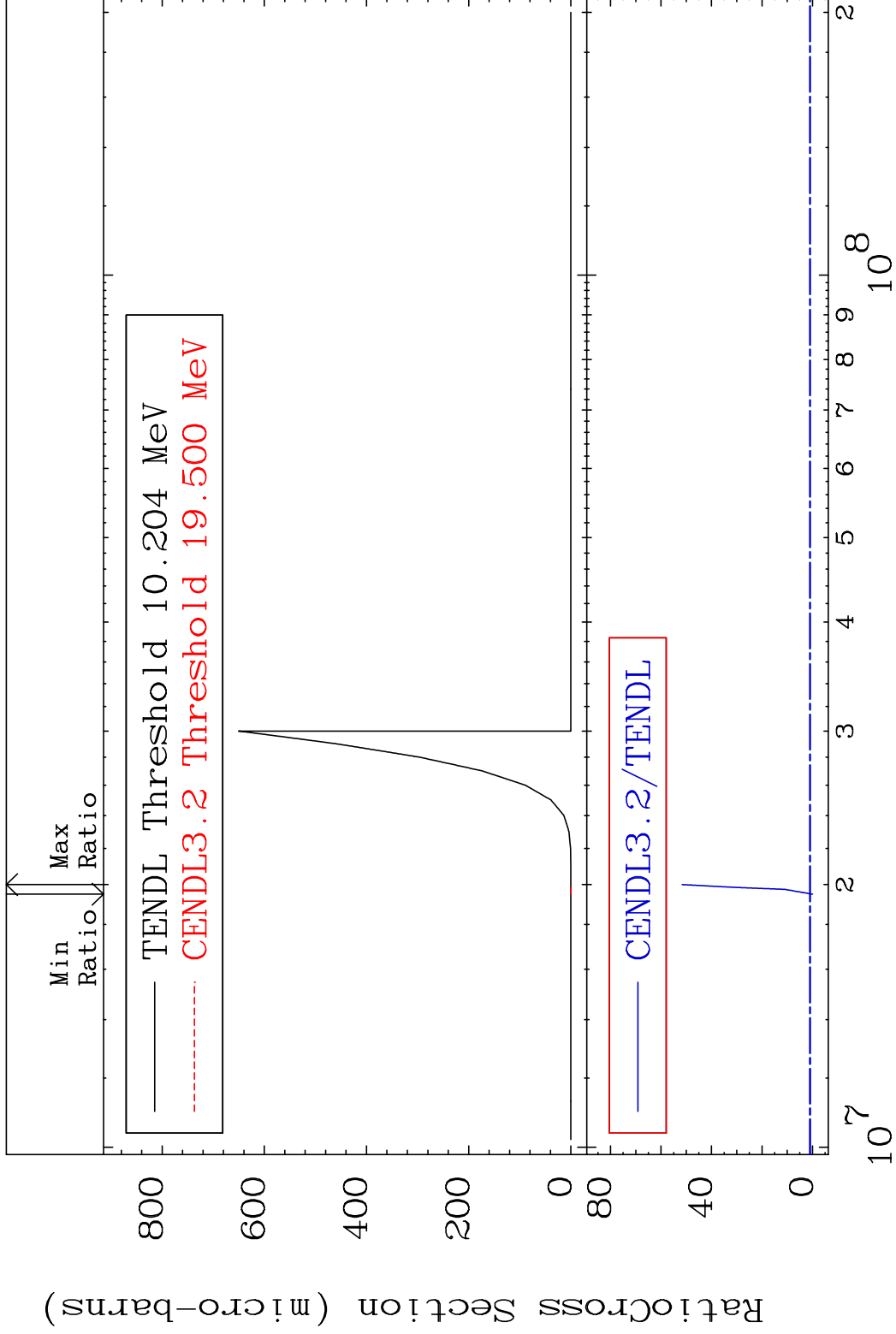
45-Rh-105

MAT 4531

(n, He-3)

45-Rh-105

Cross Section -100.0 To 5062. %

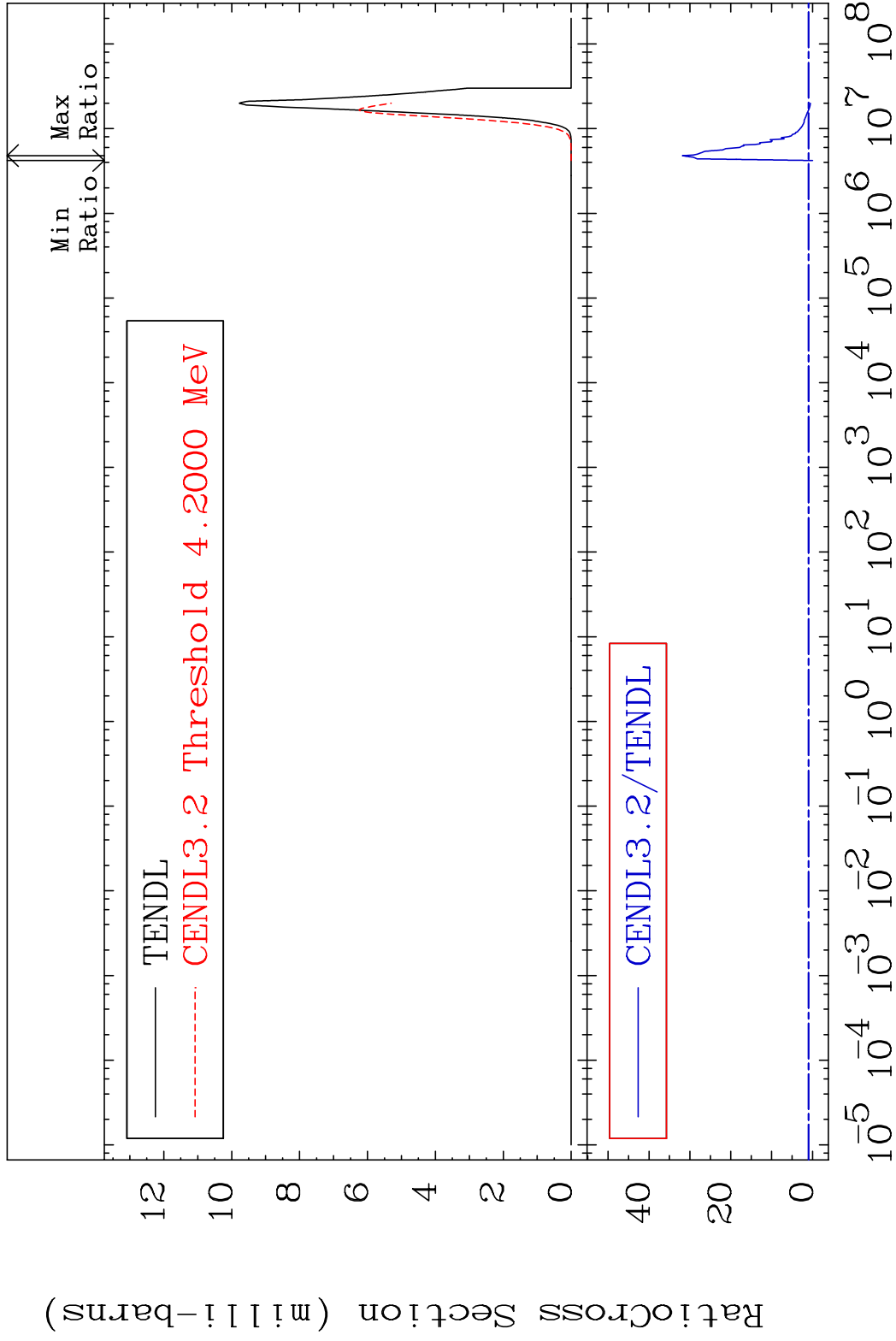


MAT 4531

(n,  $\alpha$ )

45-Rh-105

Cross Section -100.0 To 3084. %

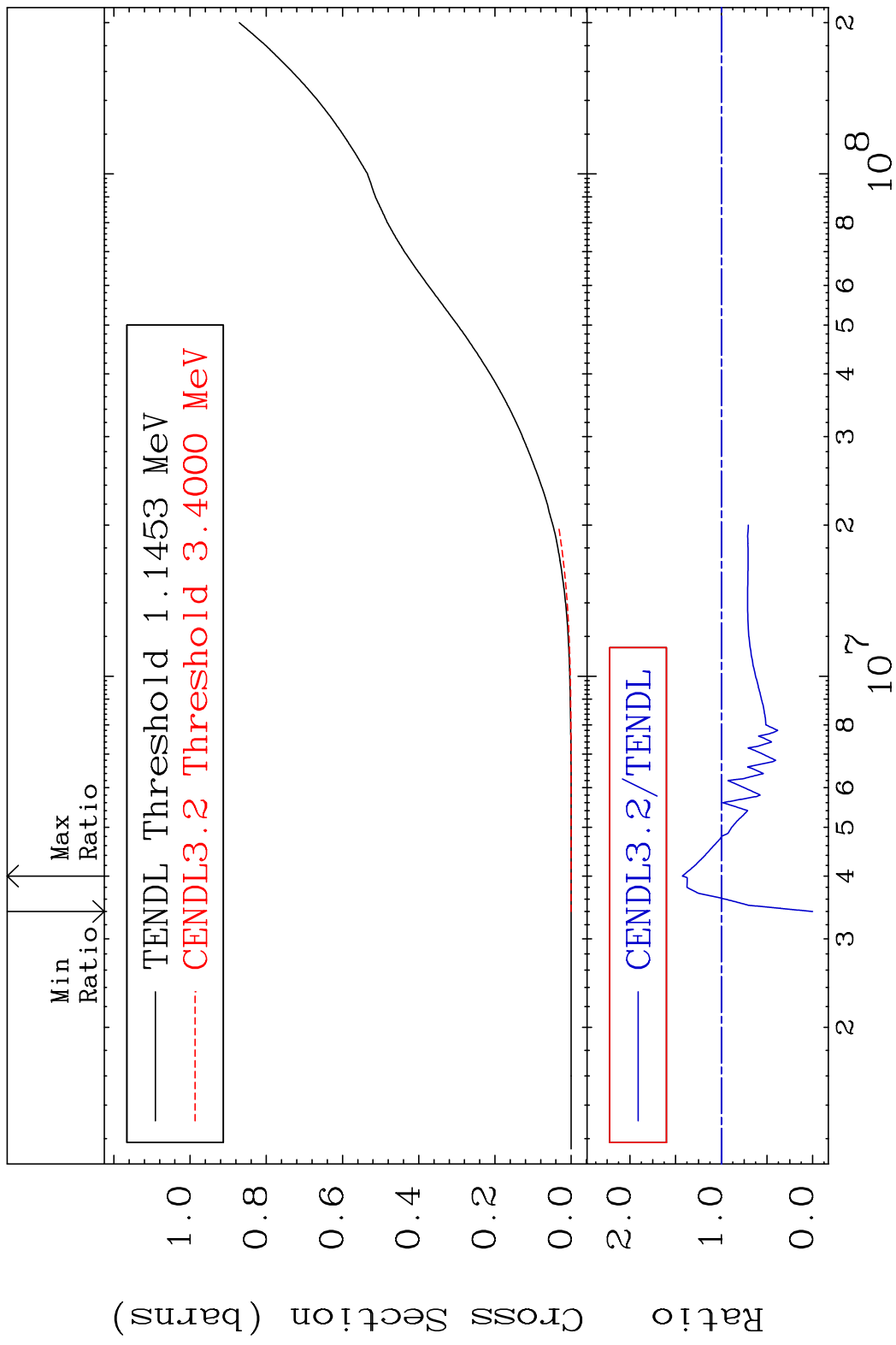


21

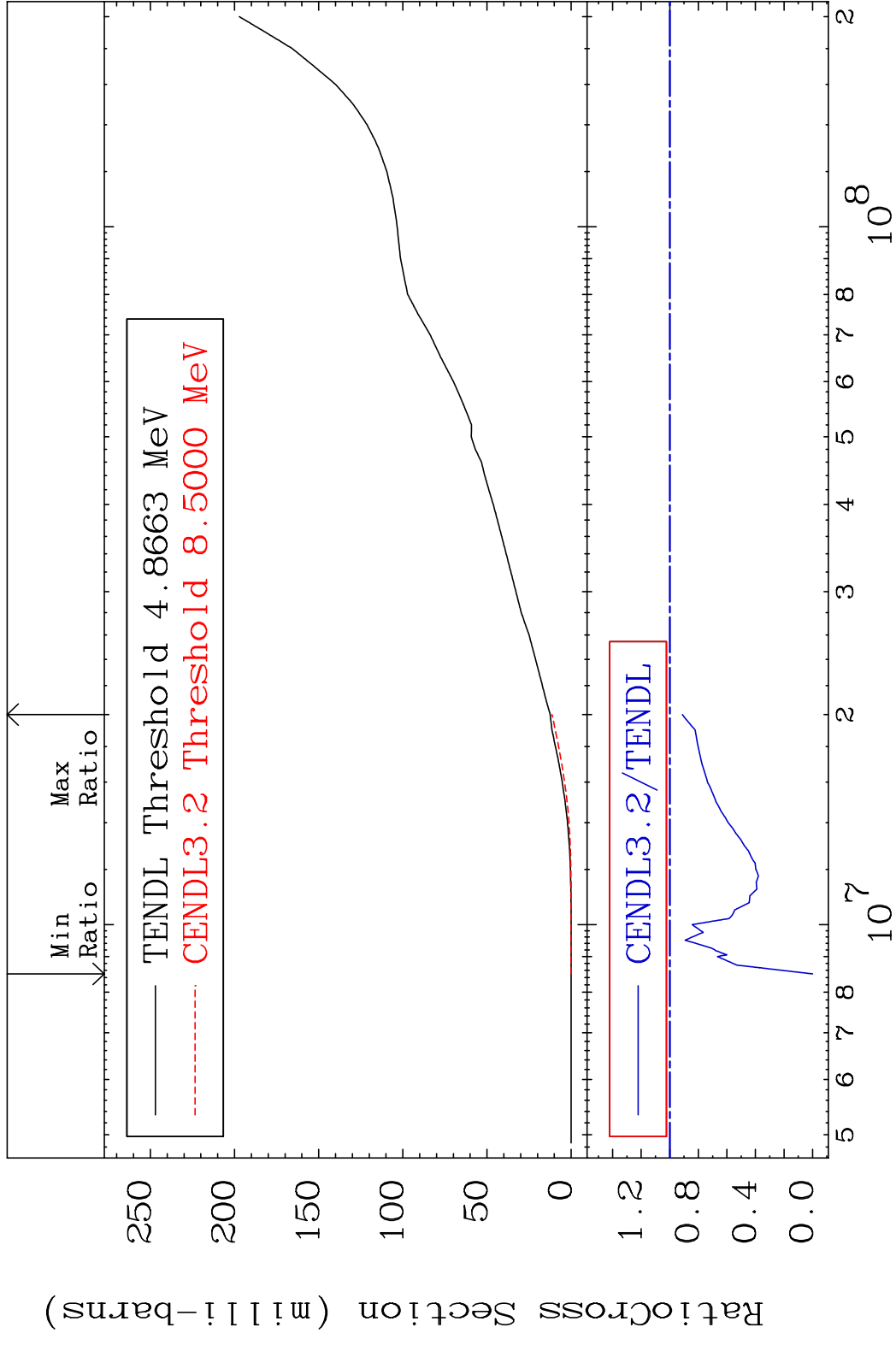
Incident Energy (eV)

45-Rh-105

MAT 4531 Hydrogen Production 45-Rh-105  
 Cross Section -100.0 To 42.65 %

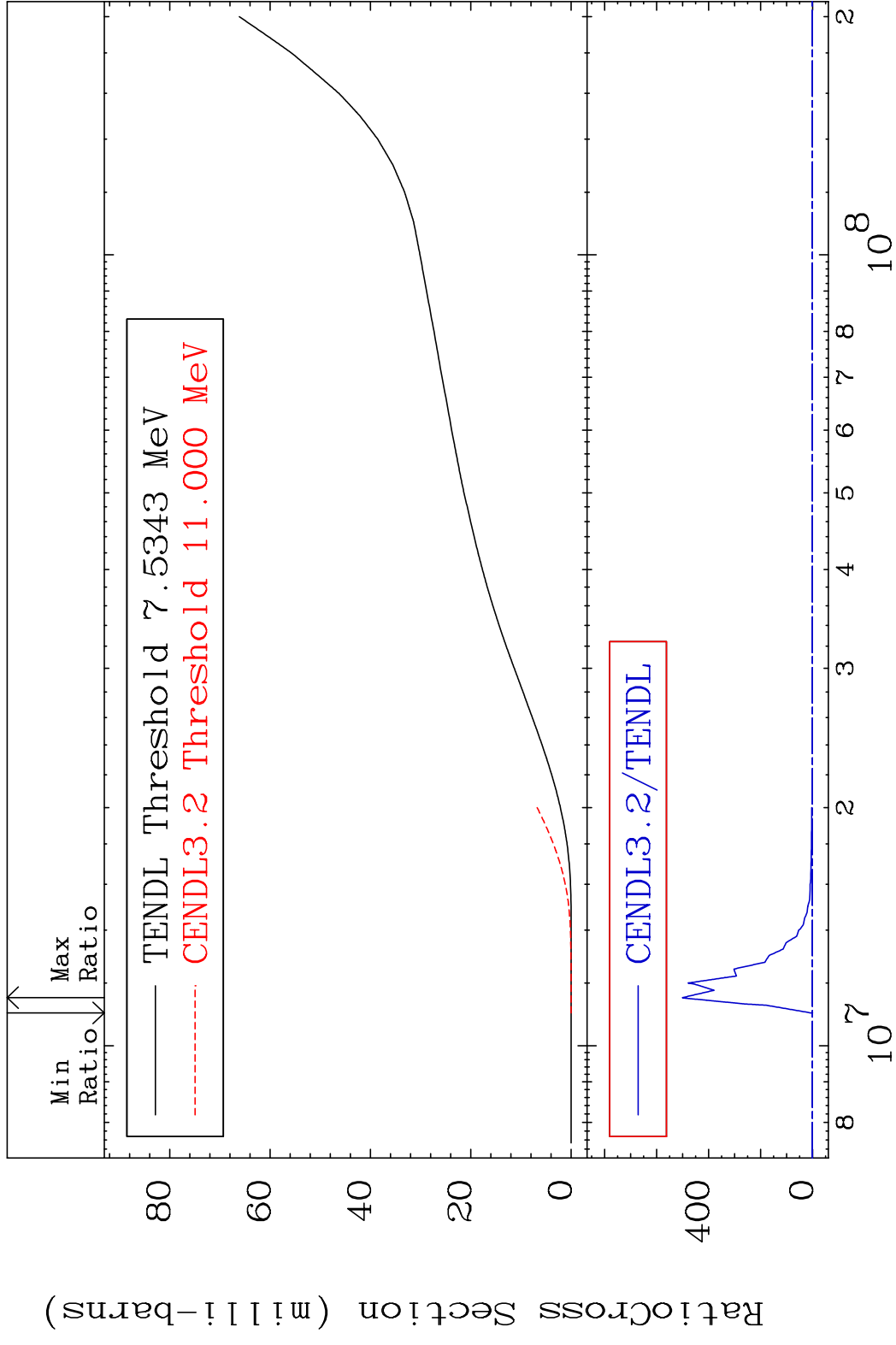


MAT 4531 Deuterium Production 45-Rh-105  
 Cross Section -100.0 To -8.811%





MAT 4531 Tritium Production 45-Rh-105  
 Cross Section -100.0 To 9999. %

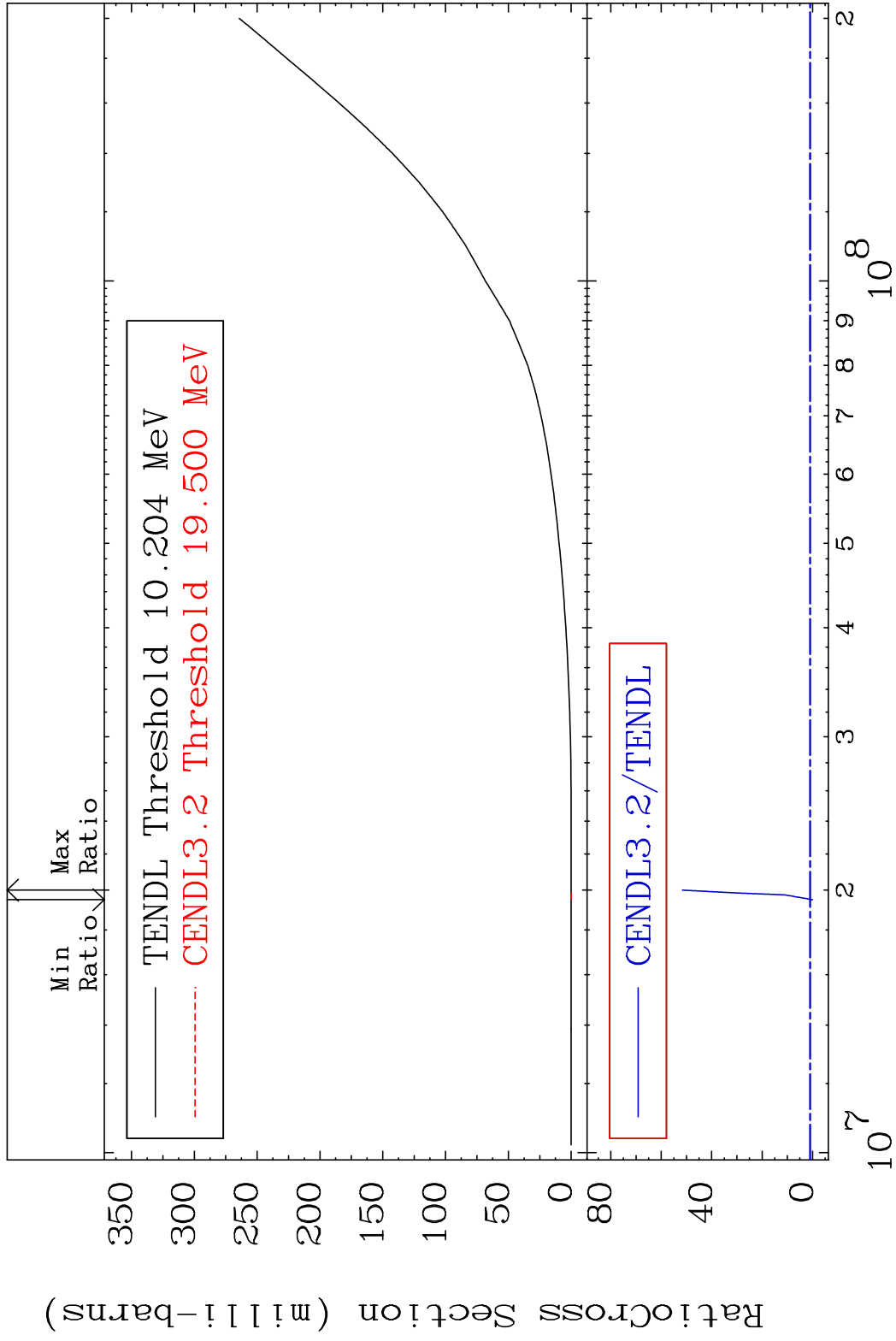


MAT 4531

He-3 Production

45-Rh-105

Cross Section -100.0 To 5062. %



25

Incident Energy (eV)

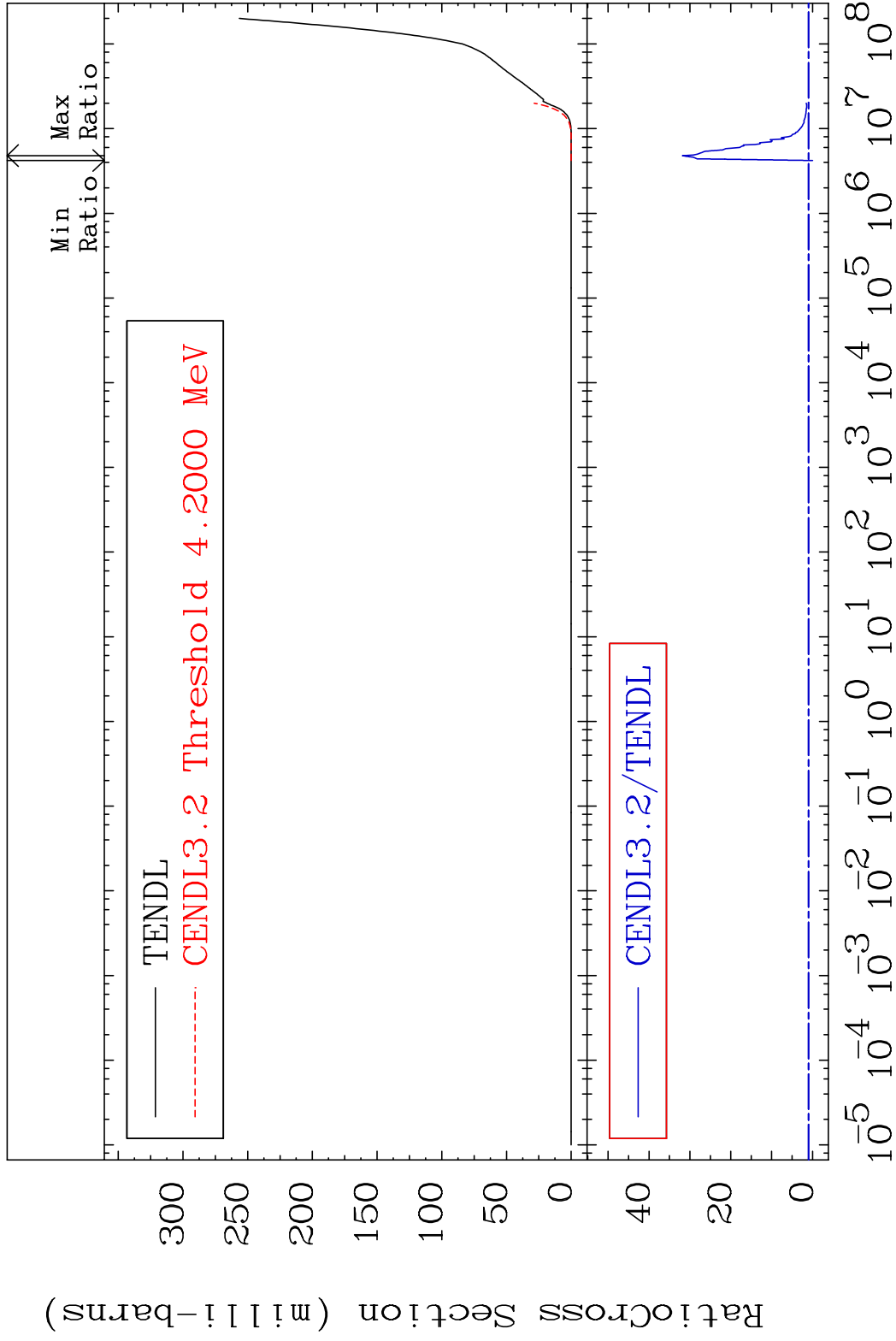
45-Rh-105

MAT 4531

He-4 Production

45-Rh-105

Cross Section -100.0 To 3084. %

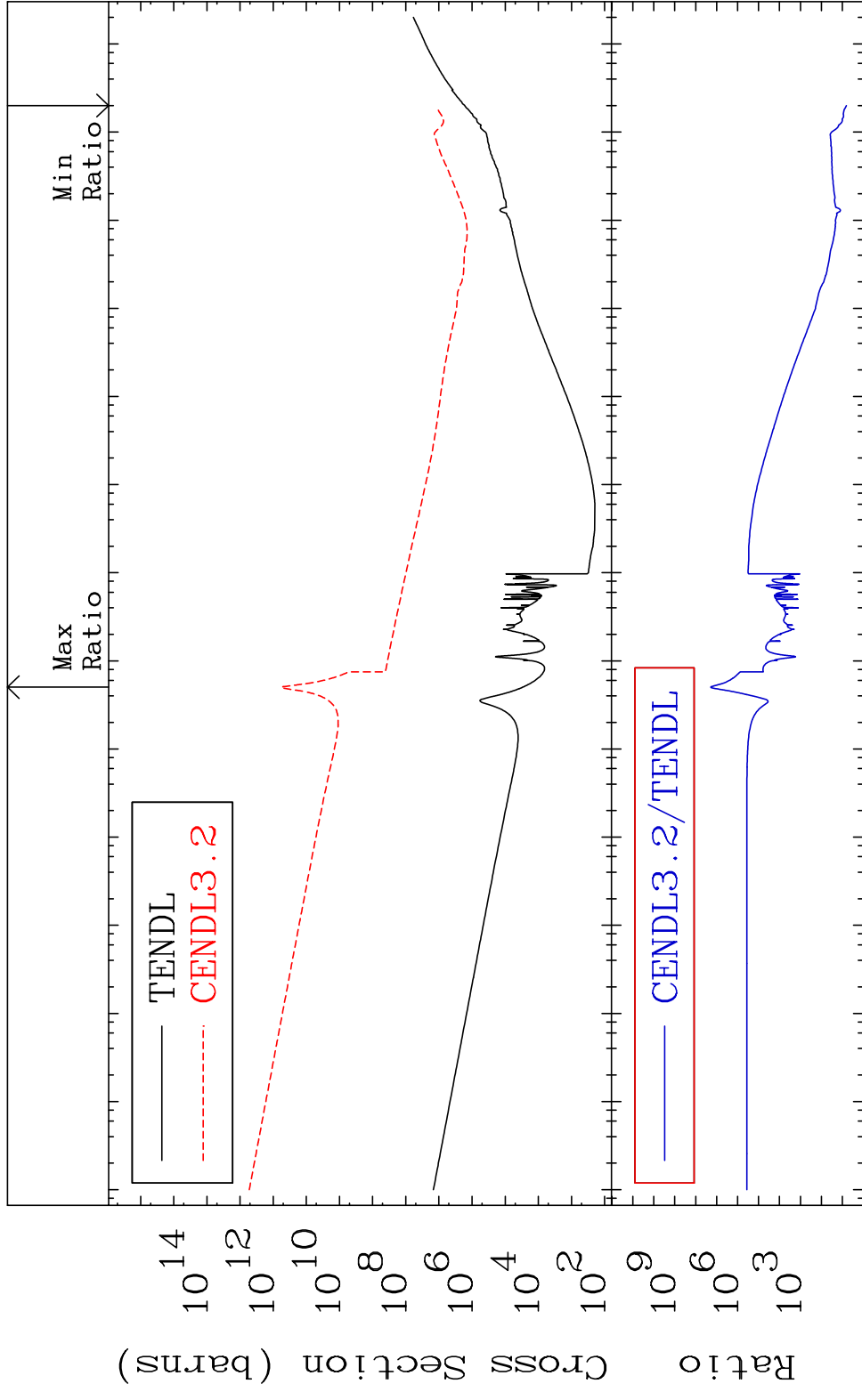


26

Incident Energy (eV)

45-Rh-105

MAT 4531 Kerma total (eV-barns) 45-Rh-105  
 Cross Section 549.1 To 9999. %



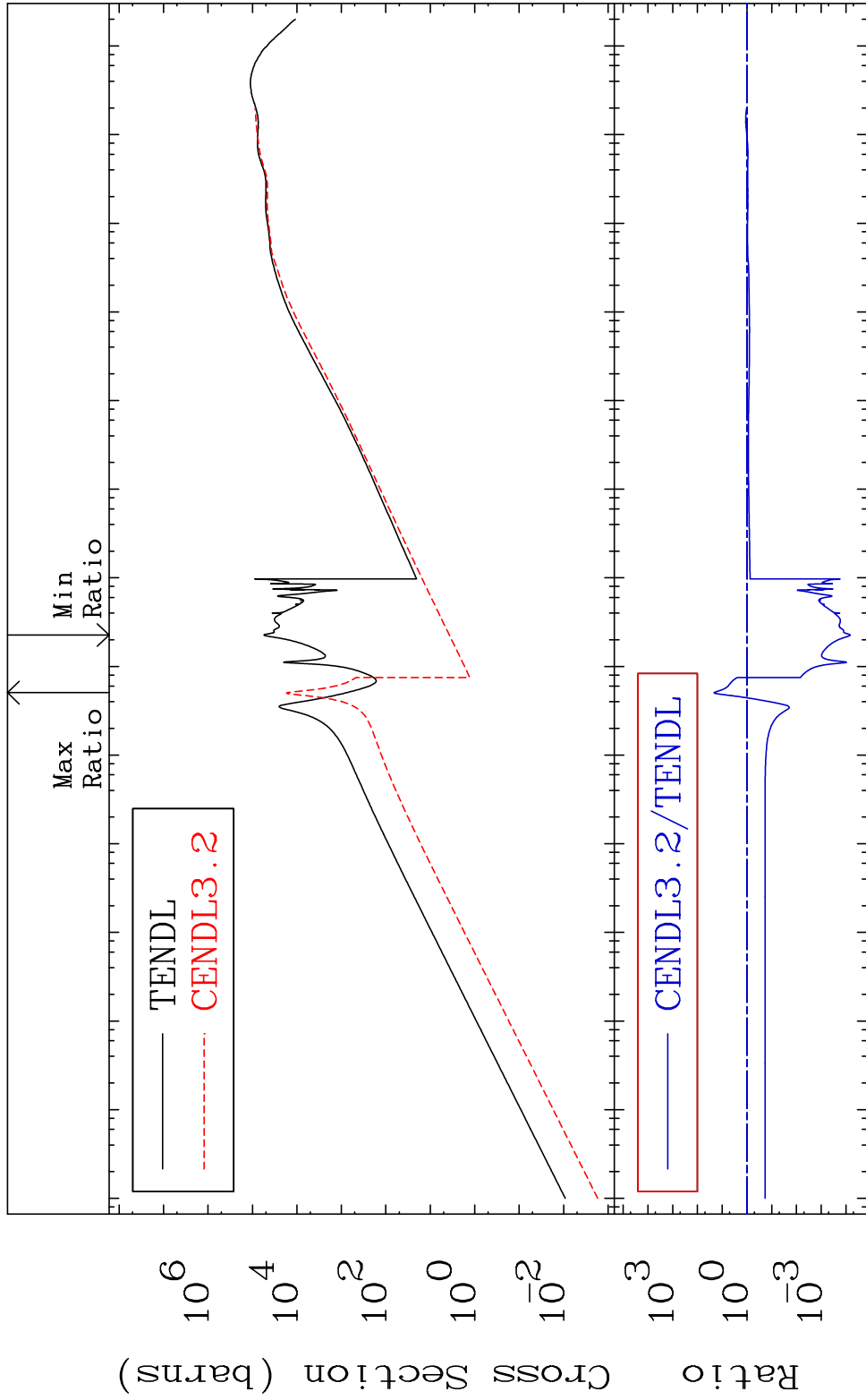
Ratio  
 $10^9$   
 $10^6$   
 $10^3$

27 Incident Energy (eV) 45-Rh-105

MAT 4531

Kerma elastic Cross Section -99.99 To 2045. %

45-Rh-105

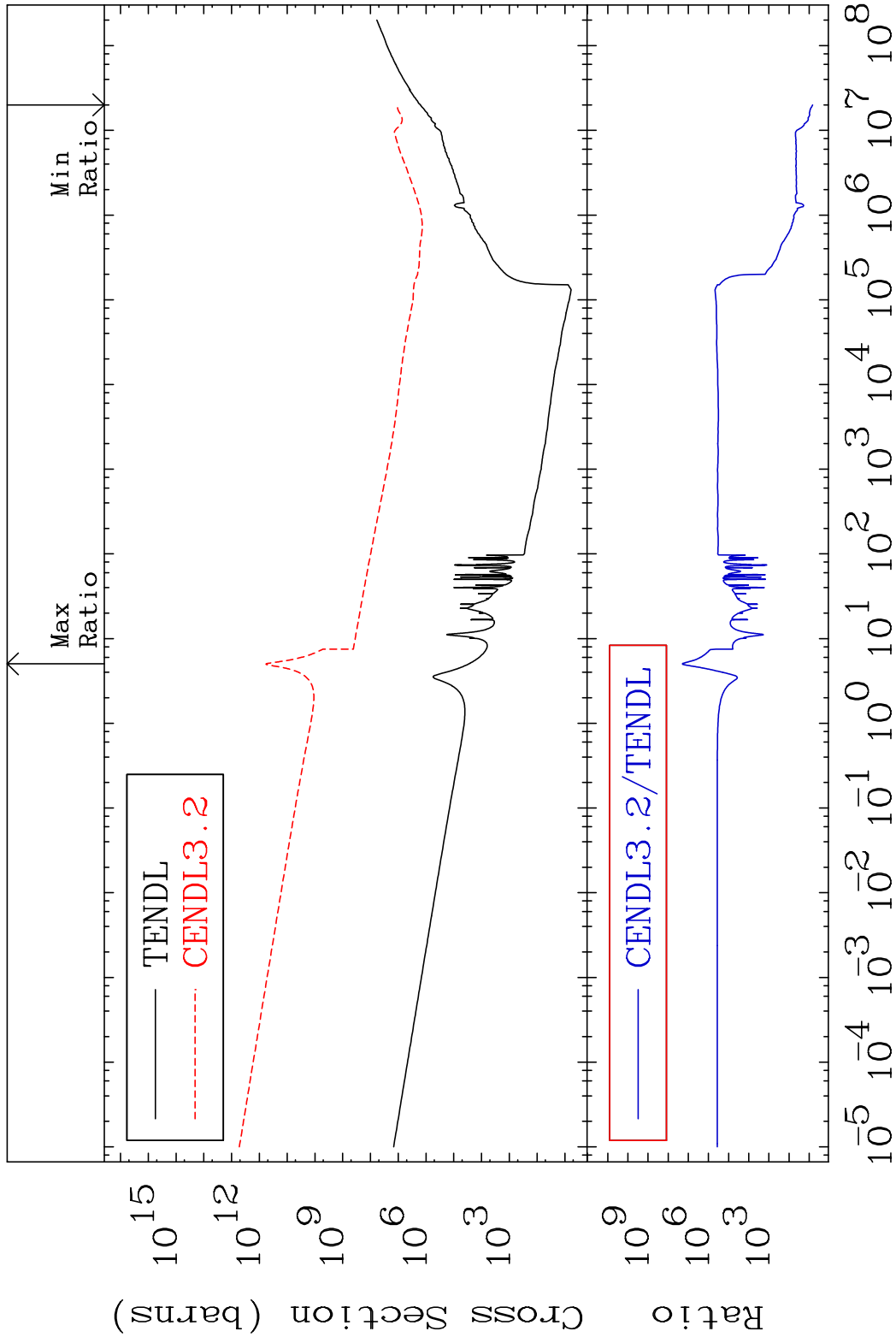


28

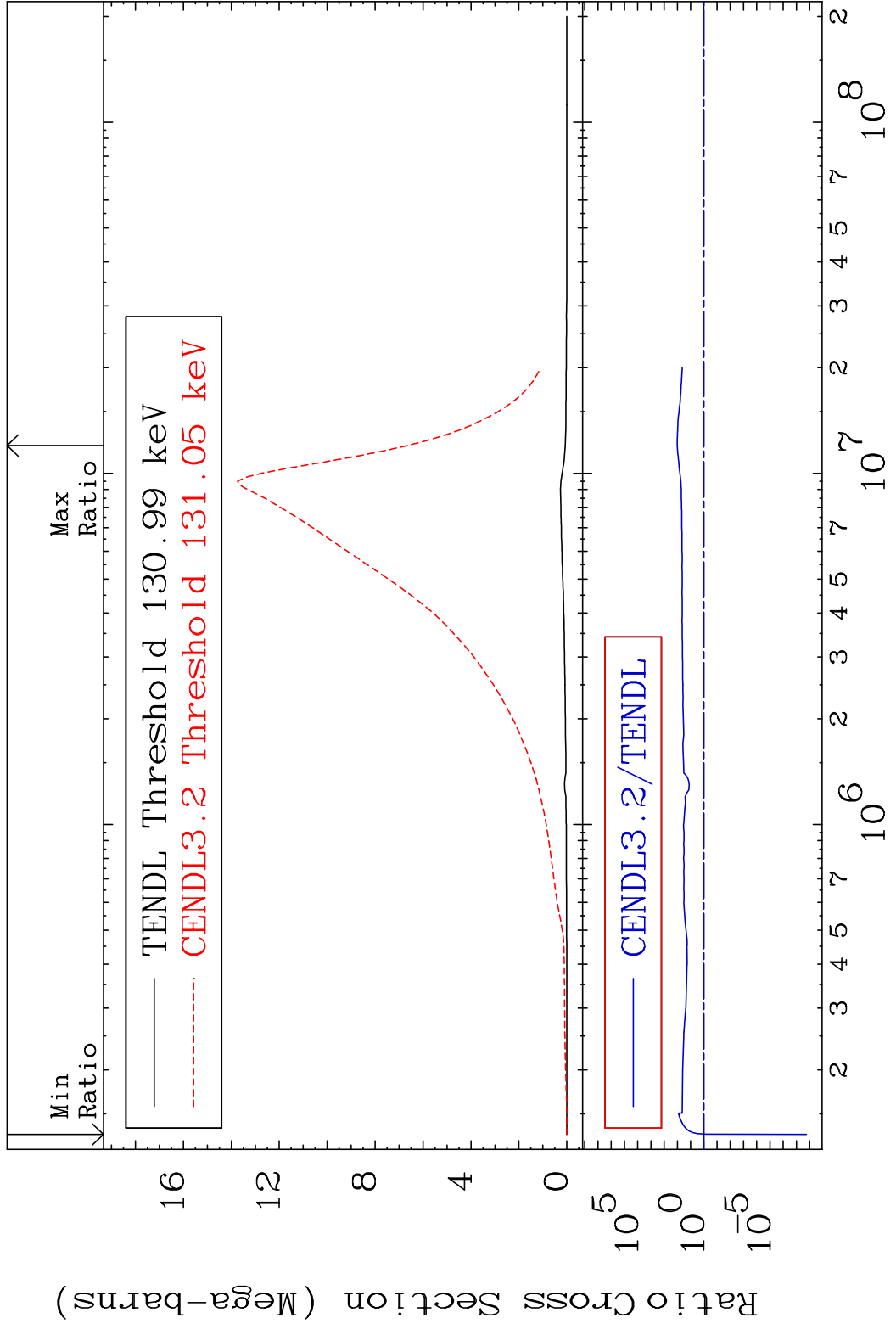
Incident Energy (eV)

45-Rh-105

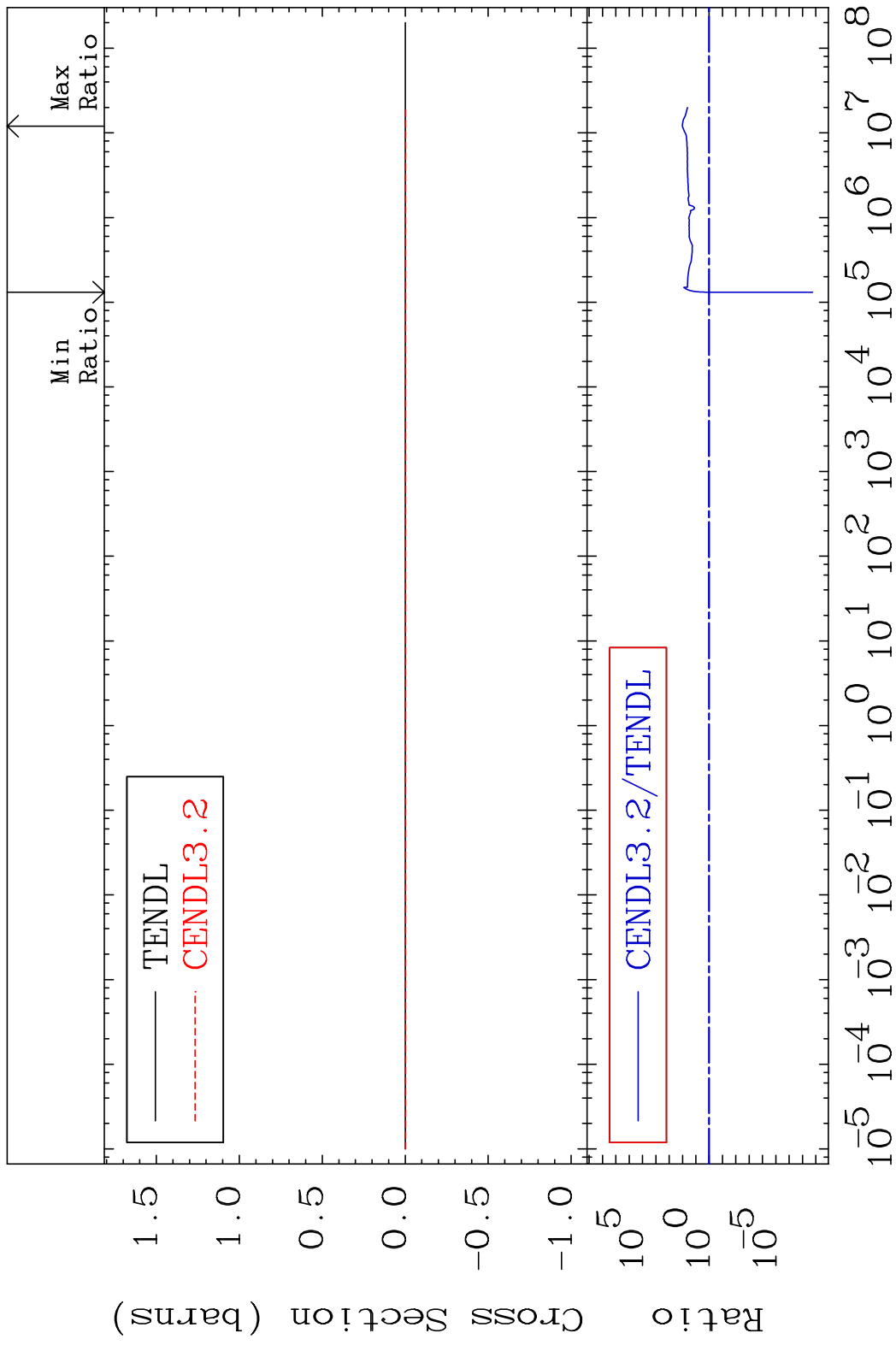
MAT 4531 Kerma non-elastic (all but mt2) 45-Rh-105  
 Cross Section 578.1 To 9999. %



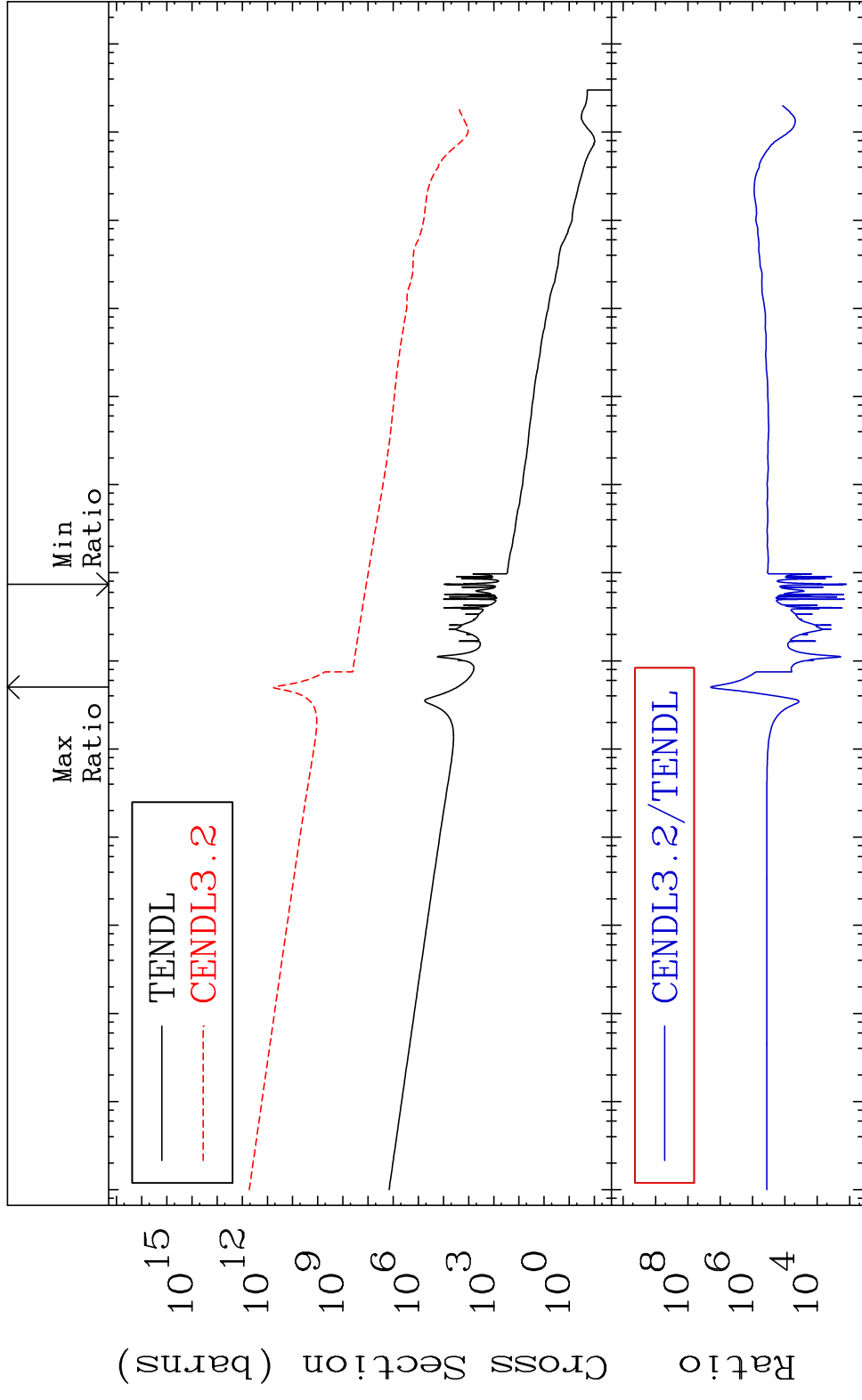
MAT 4531 Kerma inelastic (mt51-91) 45-Rh-105  
 Cross Section -100.0 To 9999. %



MAT 4531 Kerma fission (mt18 or mt19-20-21-38)45-Rh-105  
 Cross Section -100.0 To 9999. %

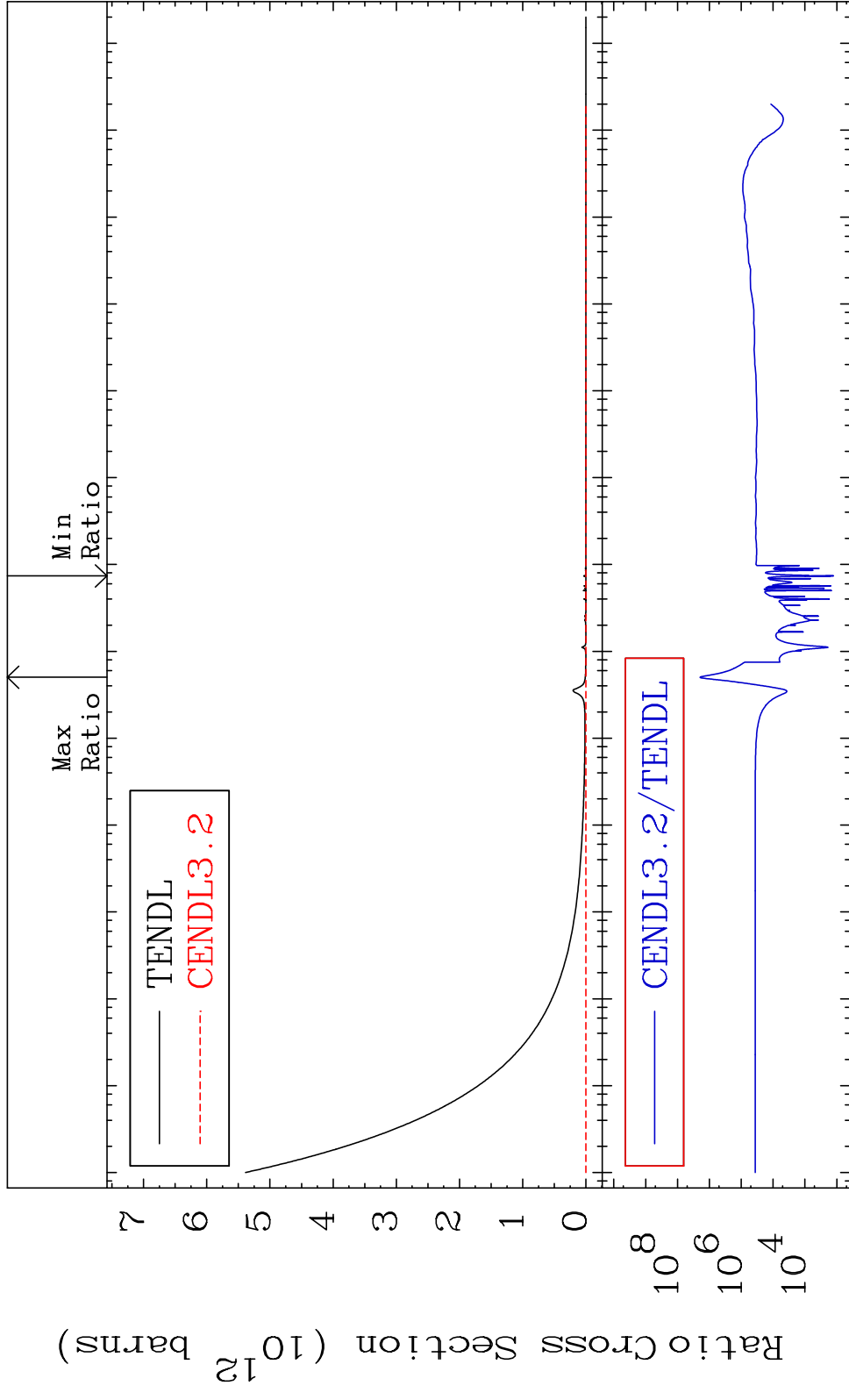




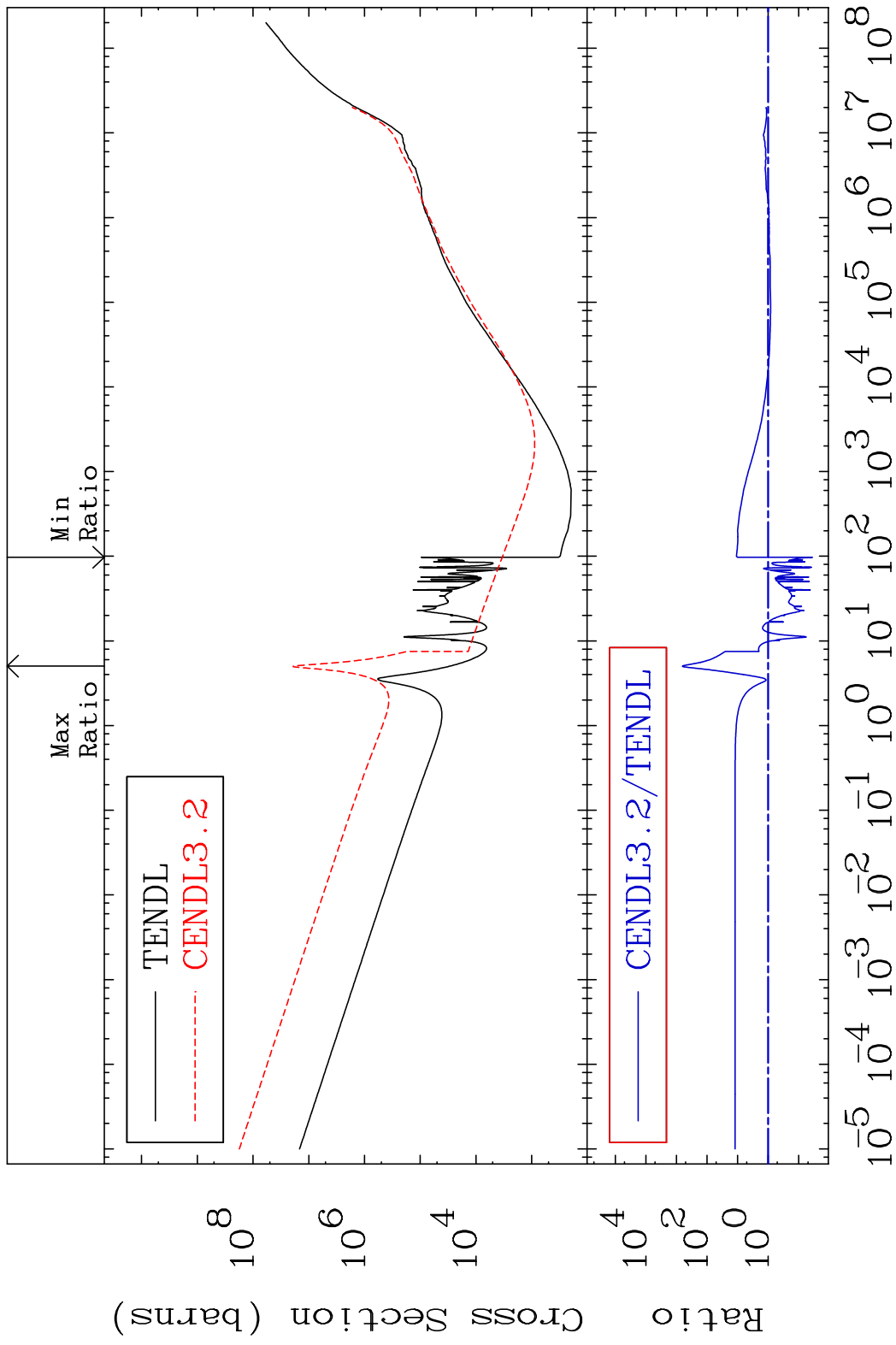


10<sup>15</sup>  
 10<sup>12</sup>  
 10<sup>9</sup>  
 10<sup>6</sup>  
 10<sup>3</sup>  
 10<sup>0</sup>  
 Ratio  
 10<sup>8</sup>  
 10<sup>6</sup>  
 10<sup>4</sup>  
 10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
 Incident Energy (eV)

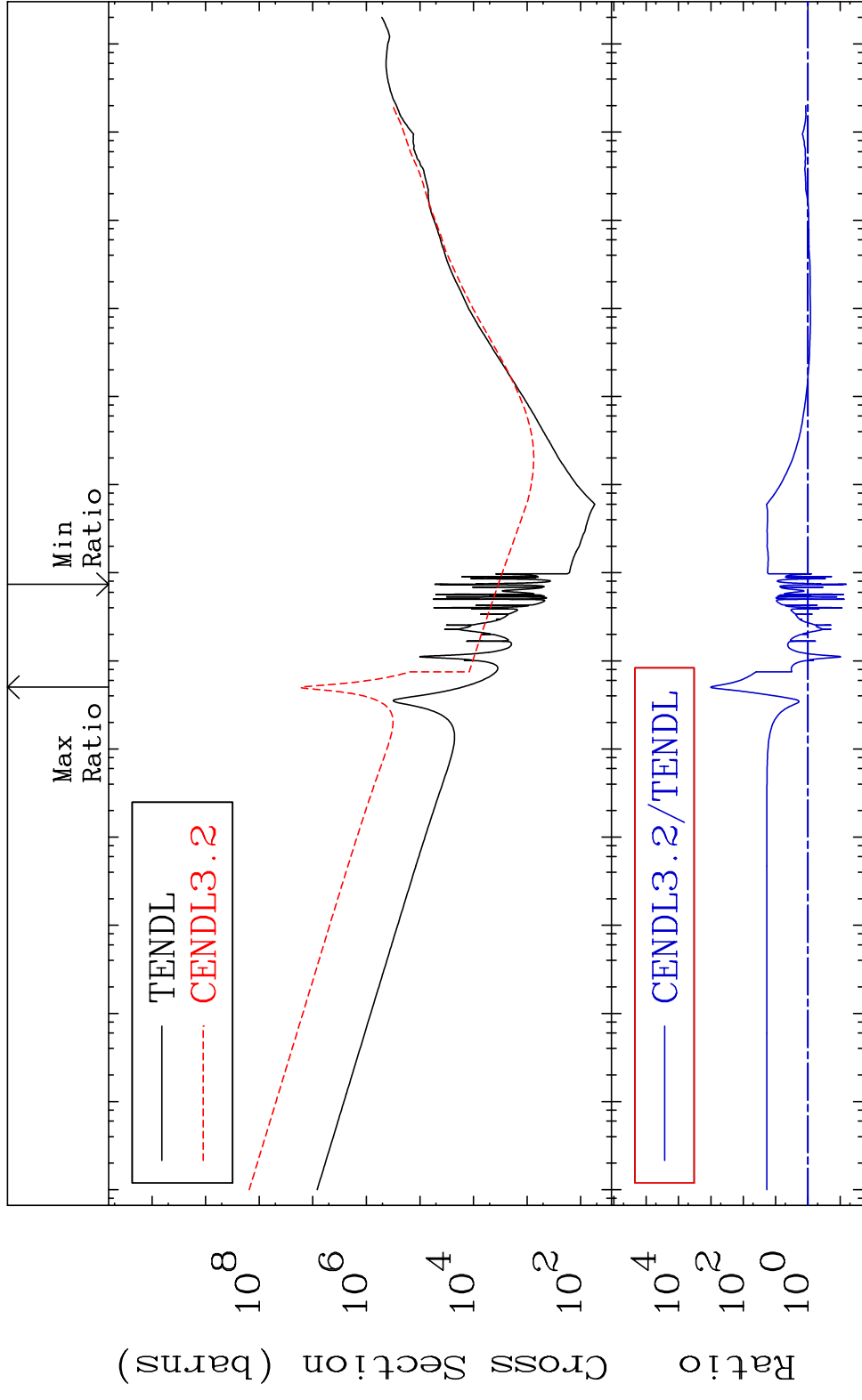
MAT 4531 Total photon (eV-barns) 45-Rh-105  
 Cross Section 9999. To 9999. %



MAT 4531 Total kinematic kerma (high limit) 45-Rh-105  
 Cross Section -96.47 To 9999. %



MAT 4531      Dpa total (eV-barns)      45-Rh-105  
 Cross Section      -93.49 To 9999. %

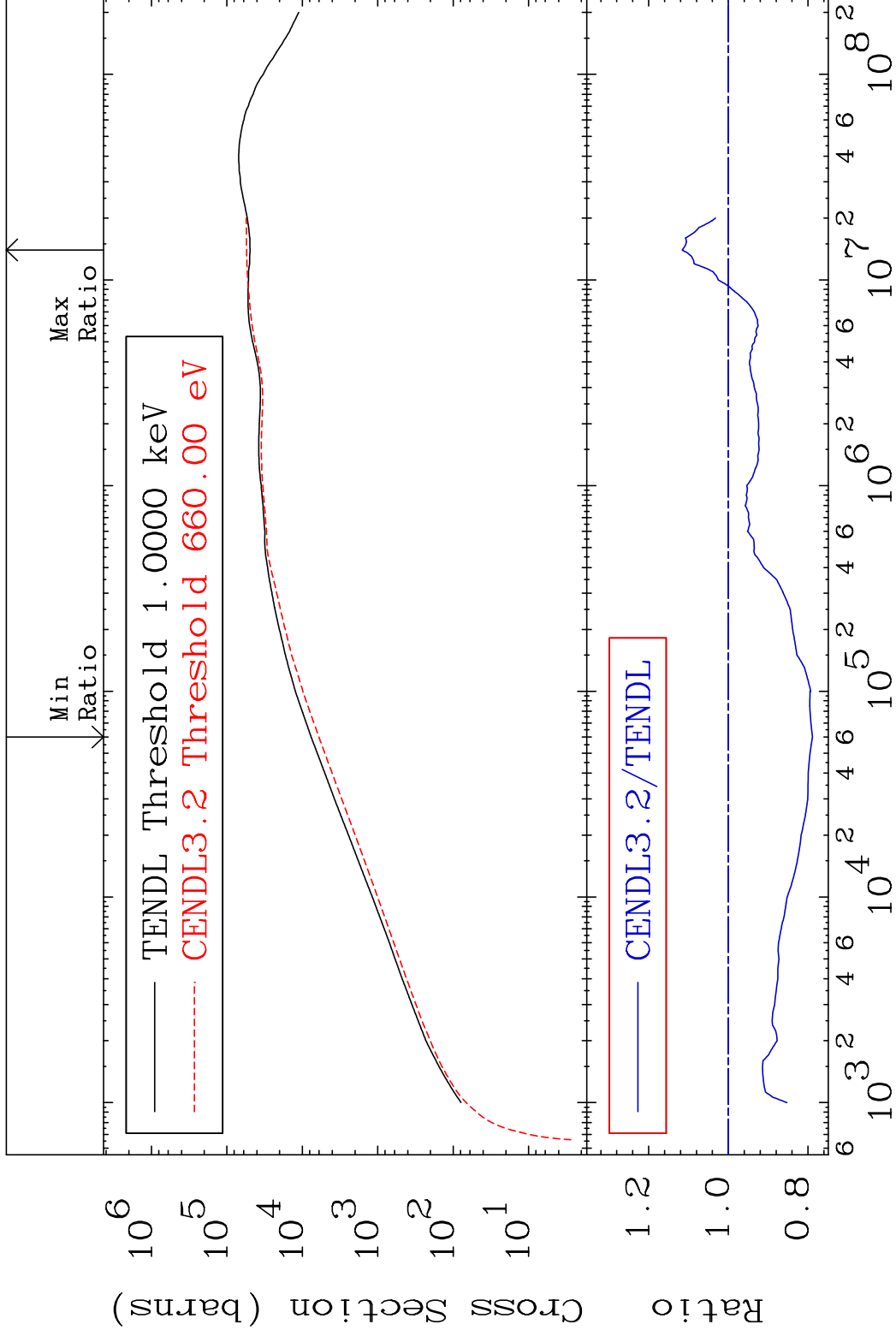


MAT 4531

Dpa elastic (mt2)

45-Rh-105

Cross Section -21.12 To 11.59 %

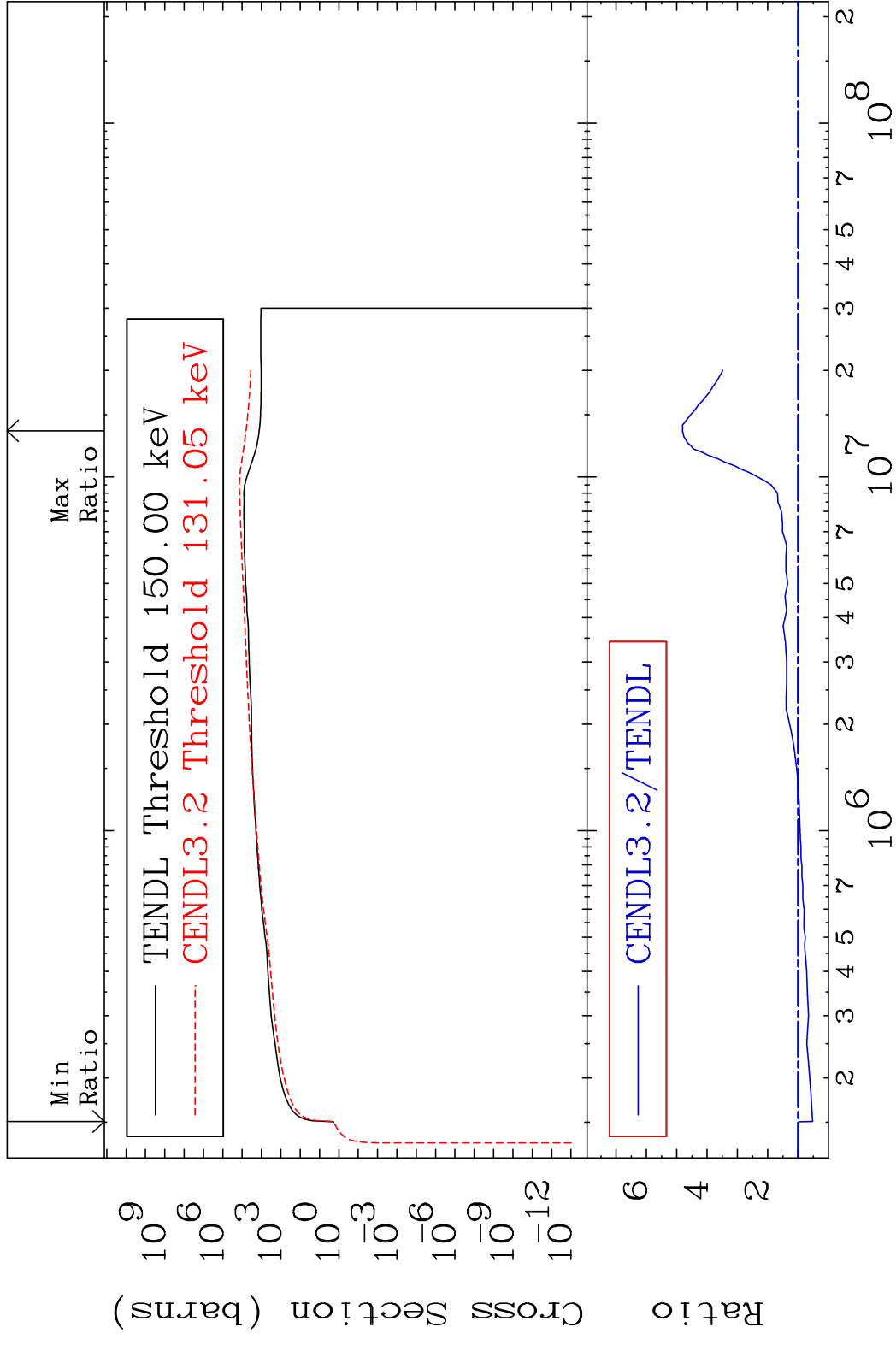


36

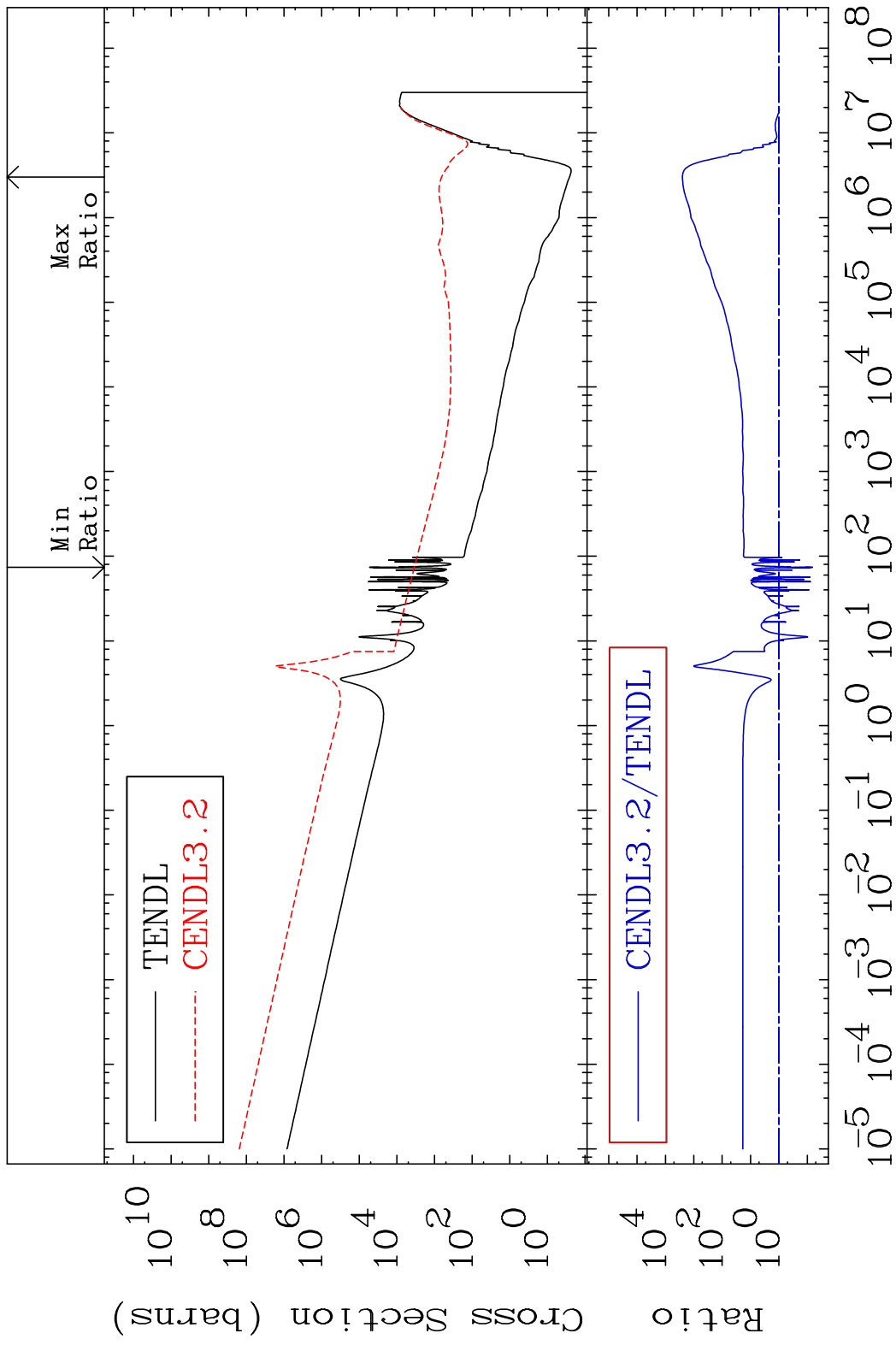
Incident Energy (eV)

45-Rh-105

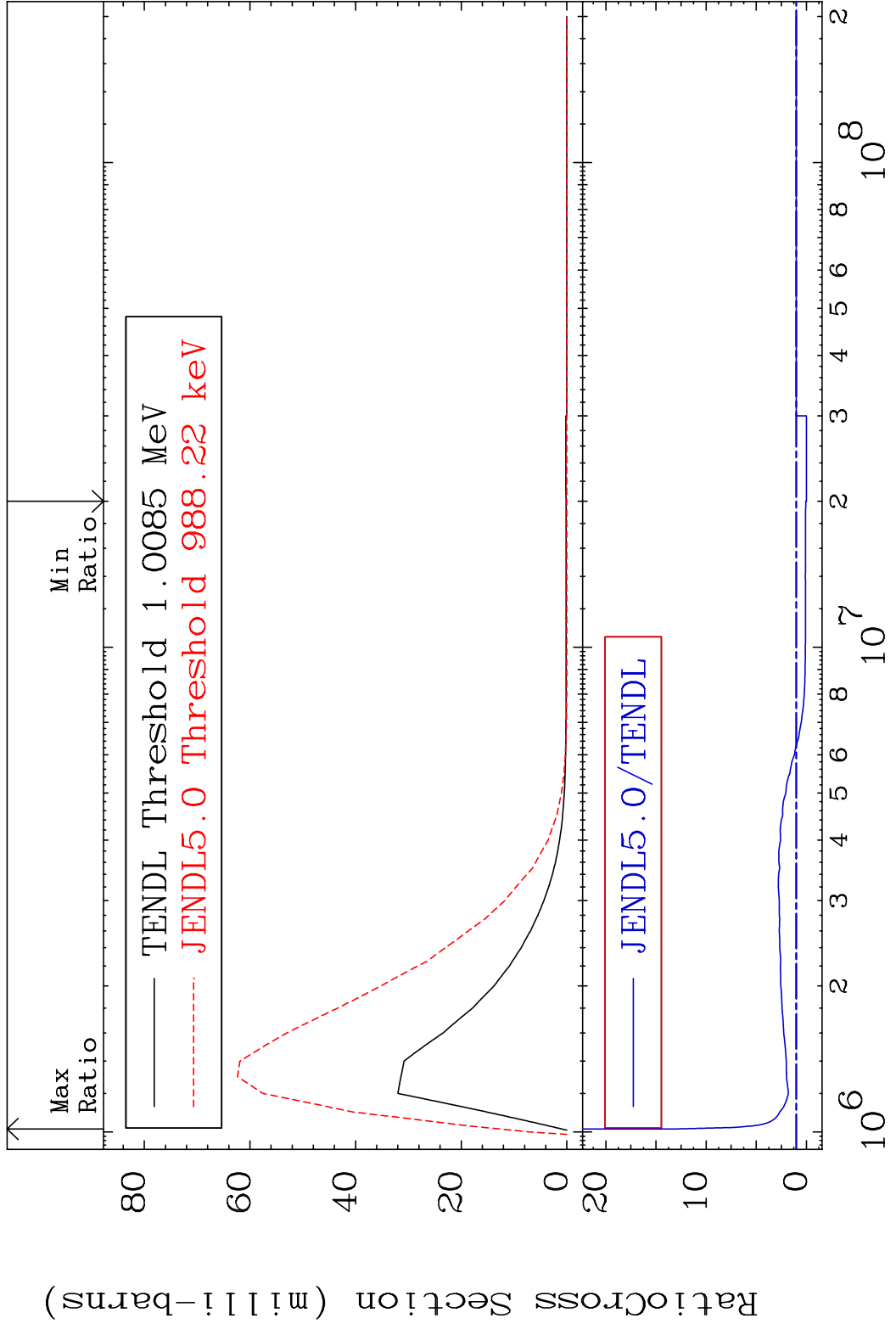
MAT 4531 Dpa inelastic (mt51-91) 45-Rh-105  
 Cross Section -47.61 To 381.6 %



MAT 4531 Dpa disappearance (mt102 -120) 45-Rh-105  
 Cross Section -93.49 To 9999. %



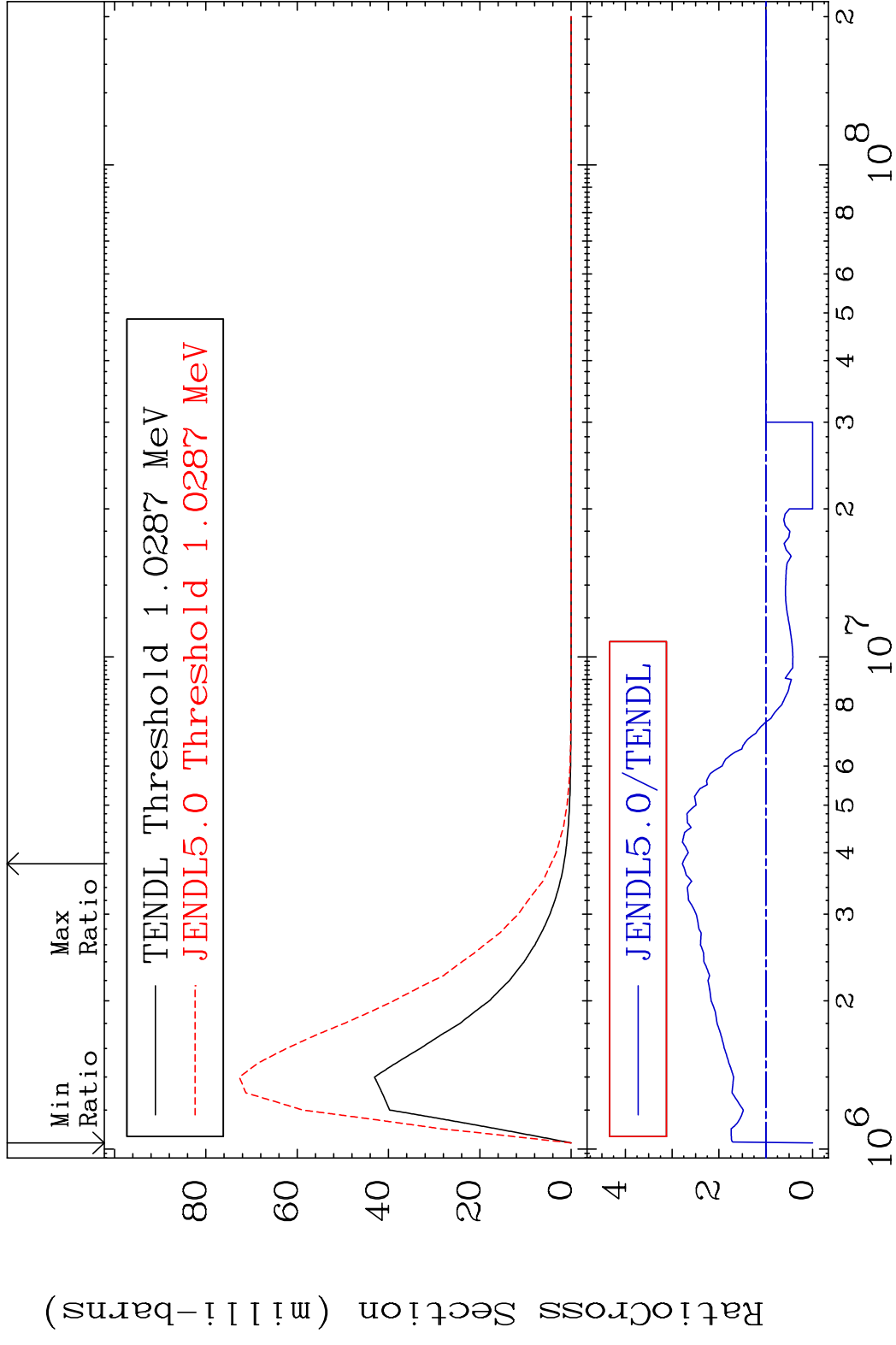
MAT 4531 MT= 78 (n, n') Level 45-Rh-105  
 Cross Section -100.0 To 1189. %



39 Incident Energy (eV) 45-Rh-105



MAT 4531 MT= 79 (n, n') Level 45-Rh-105  
 Cross Section -100.0 To 178.2 %



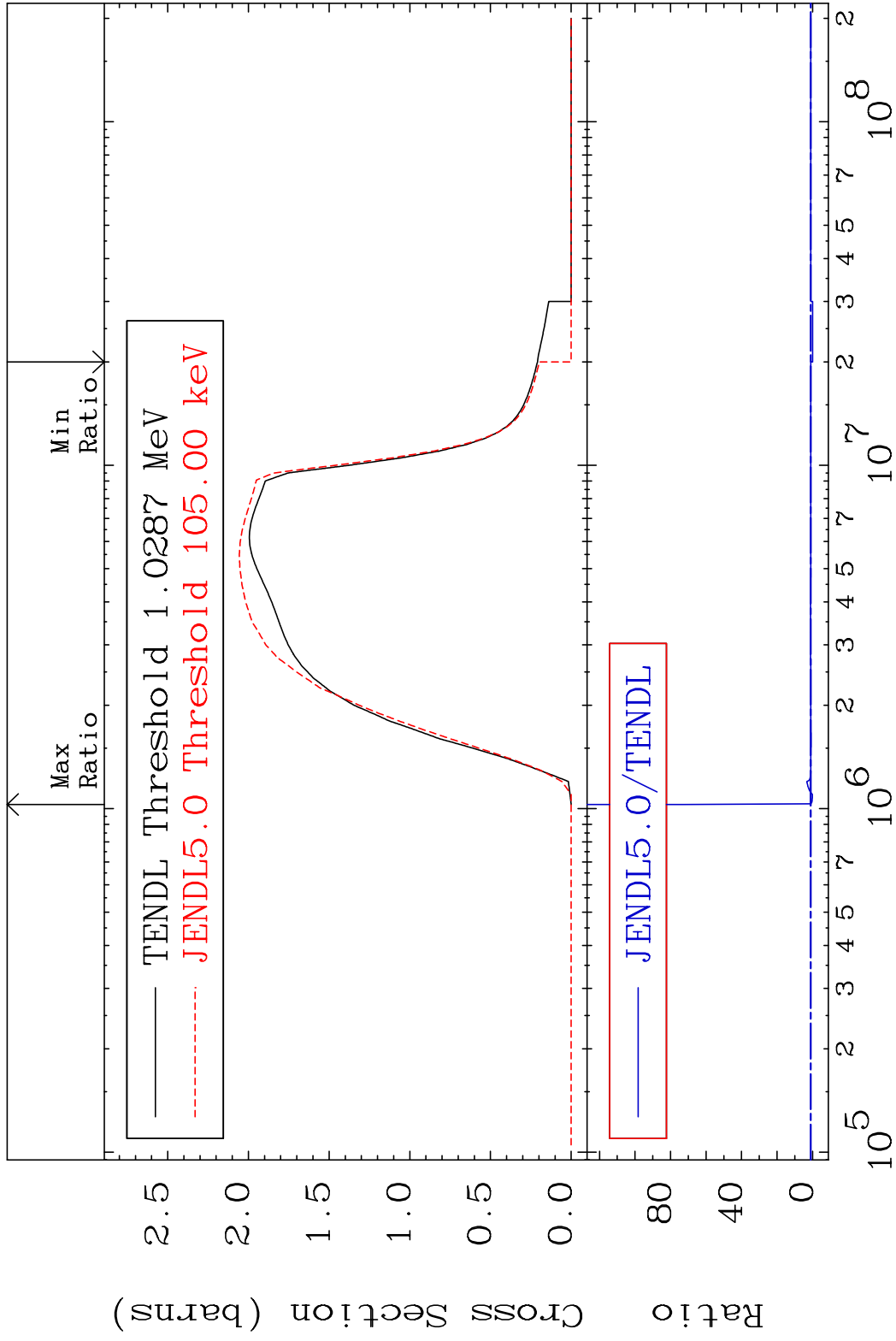
40 Incident Energy (eV) 45-Rh-105

MAT 4531

(n, n') Continuum

45-Rh-105

Cross Section -100.0 To 7234. %



41

Incident Energy (eV)

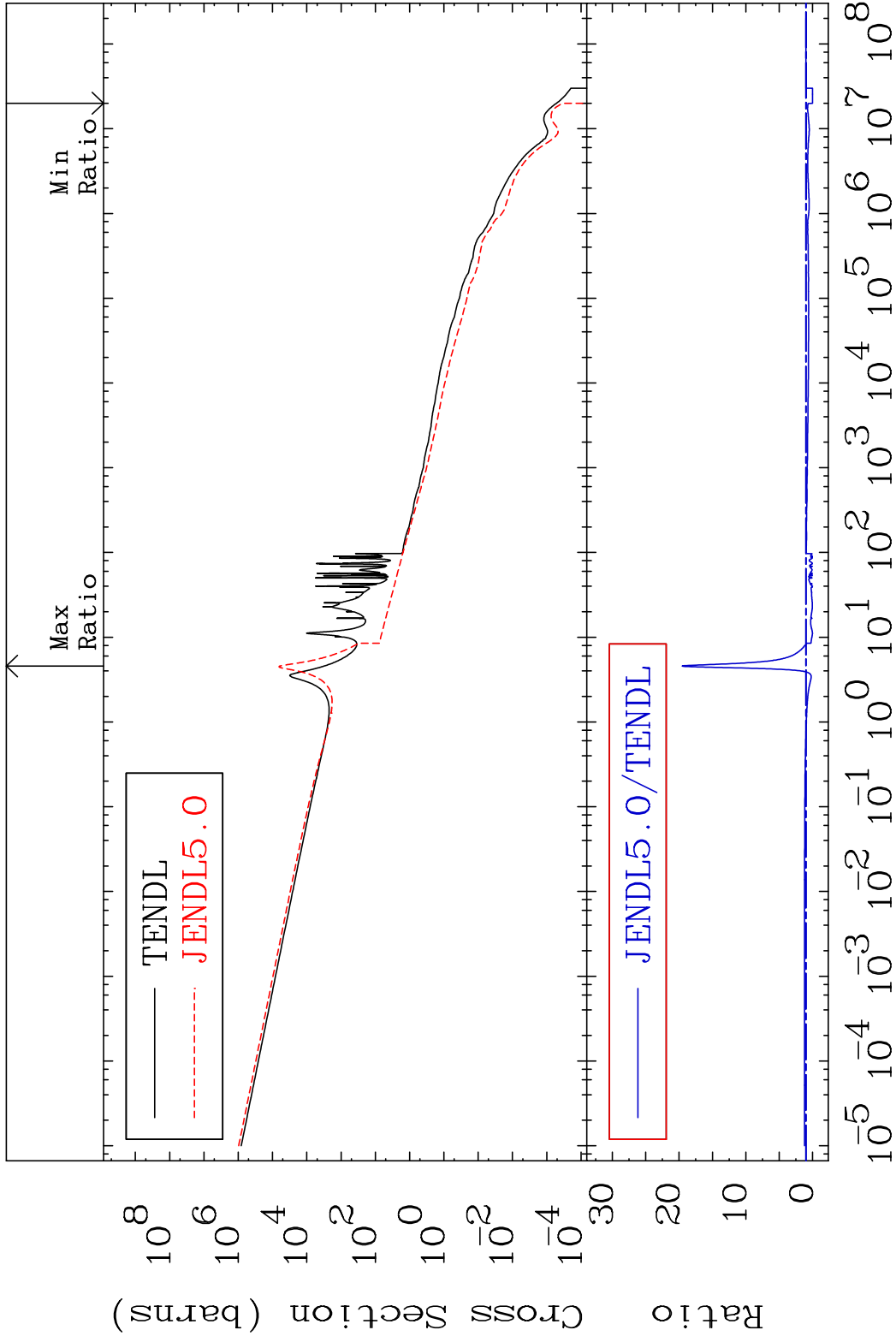
45-Rh-105

MAT 4531

(n,  $\gamma$ )

45-Rh-105

Cross Section -100.0 To 1854. %

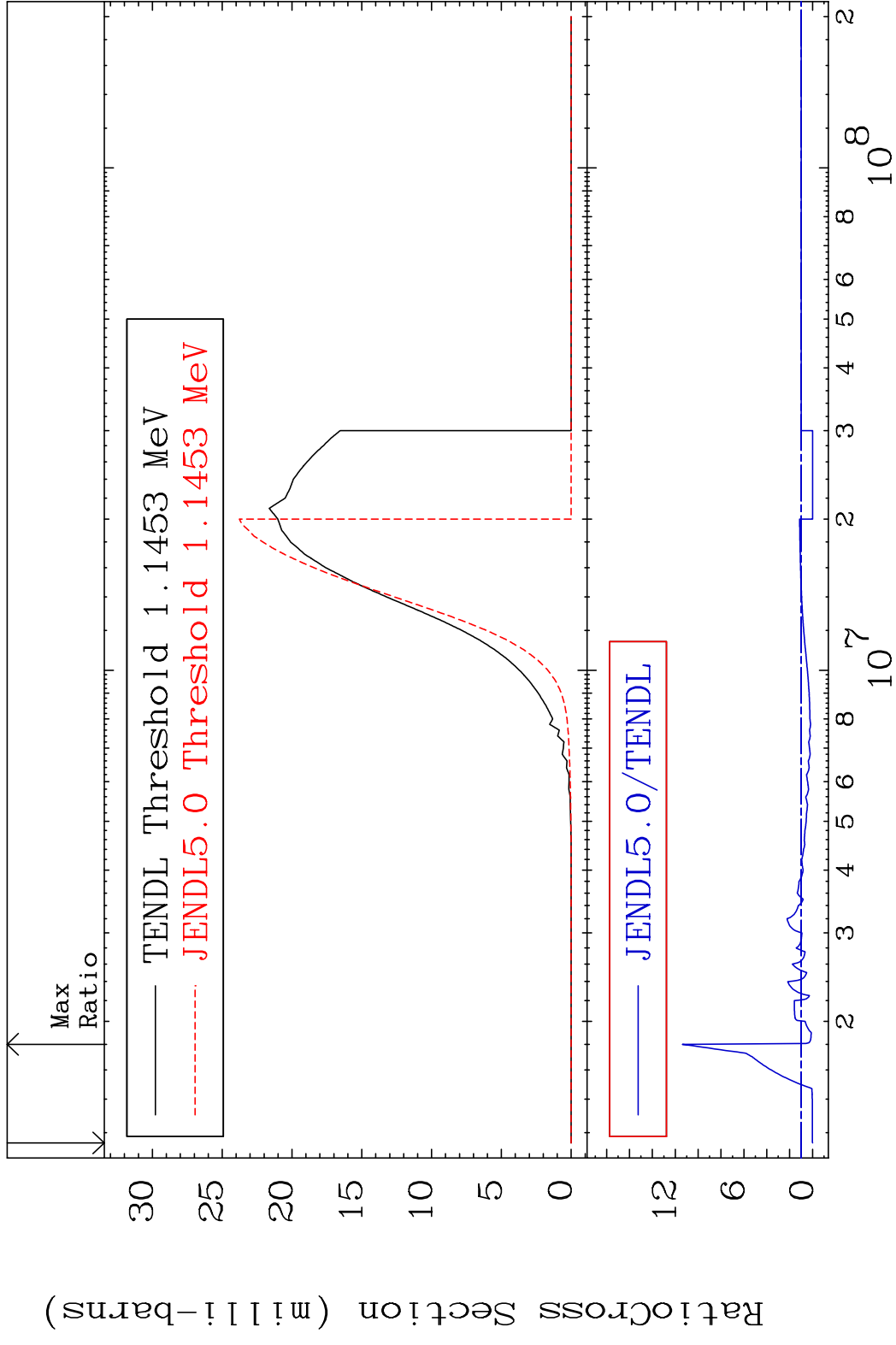


42

Incident Energy (eV)

45-Rh-105

MAT 4531 (n,p) 45-Rh-105  
 Cross Section -100.0 To 1038. %

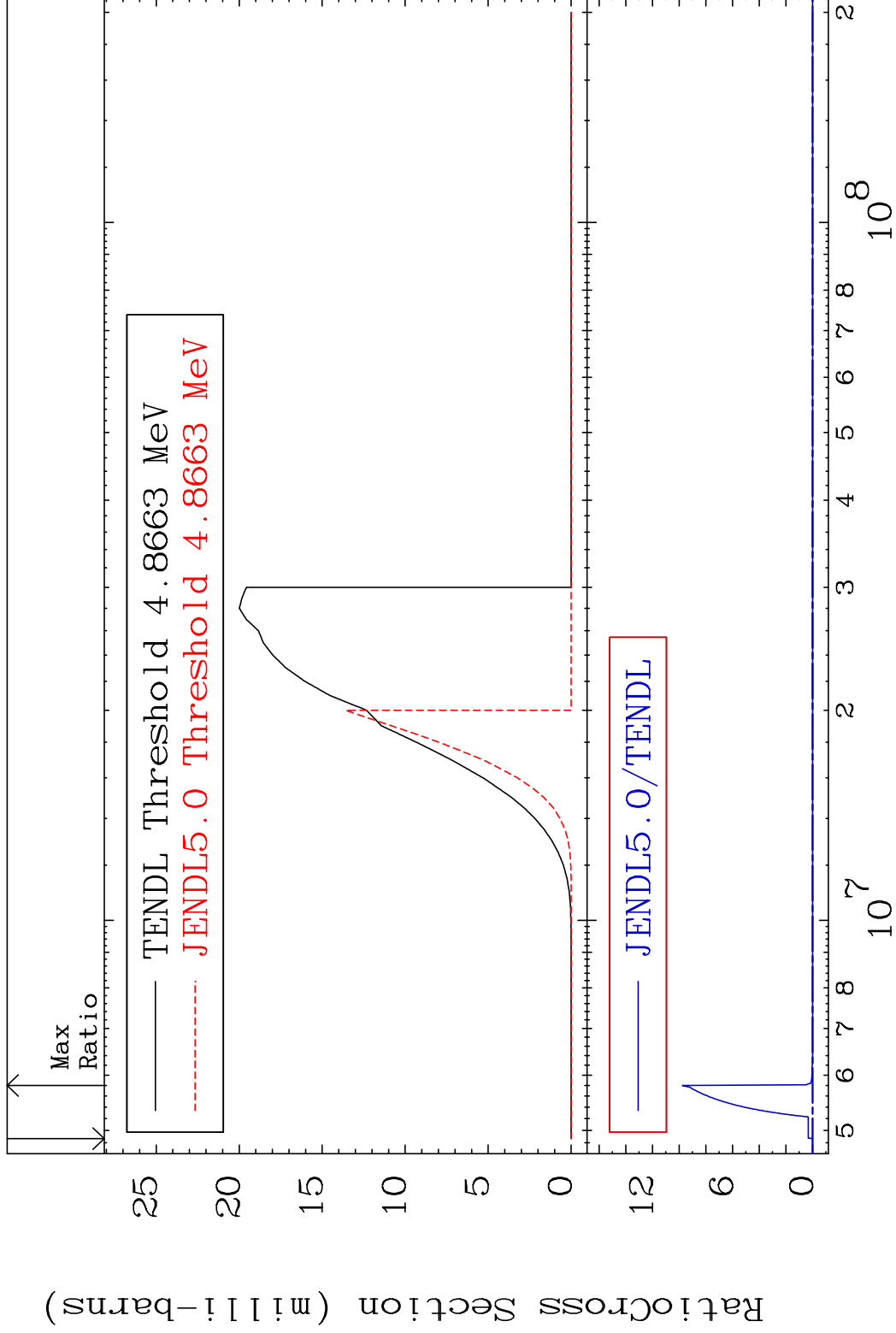


MAT 4531

(n,d)

45-Rh-105

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

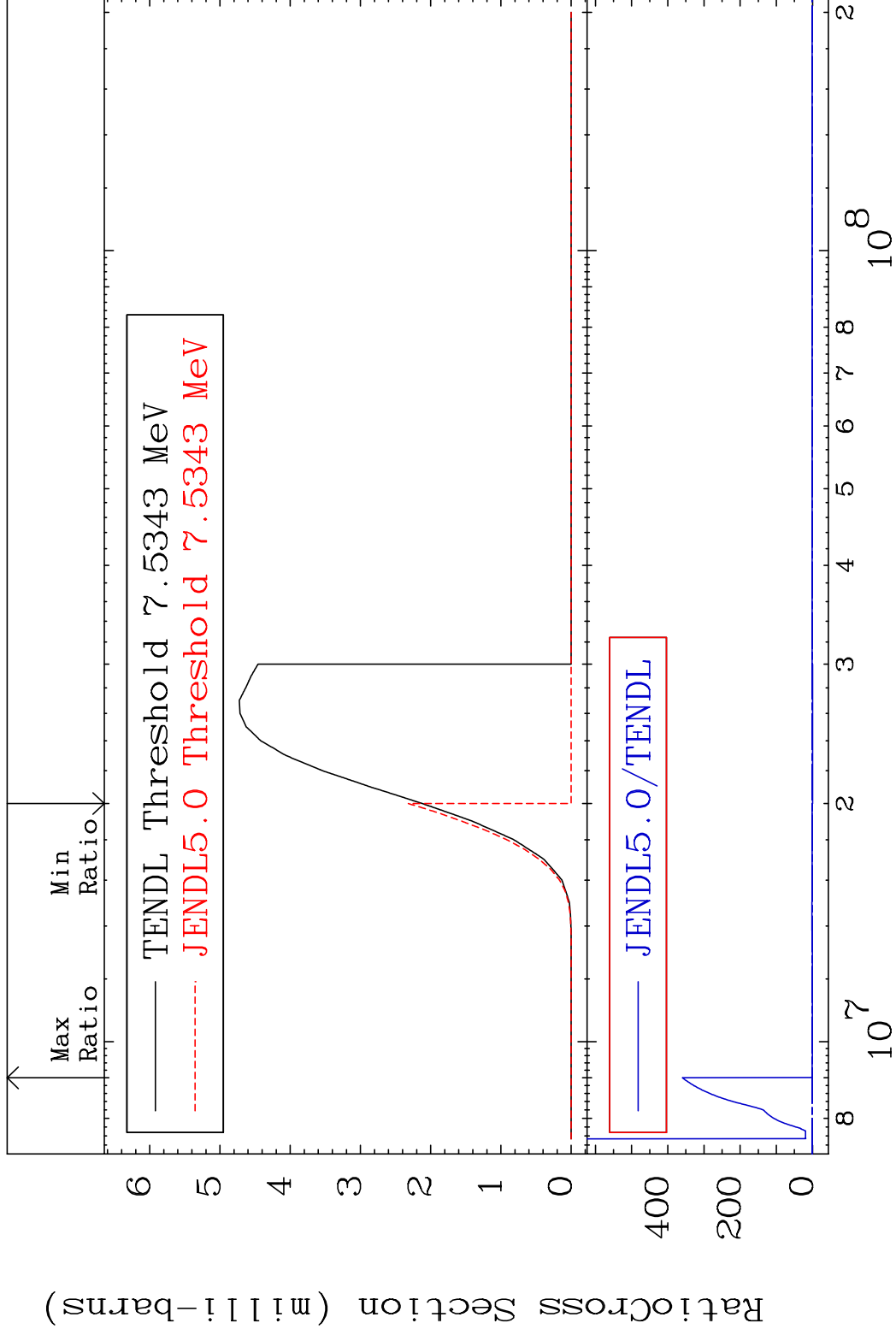
45-Rh-105

MAT 4531

(n, t)

45-Rh-105

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

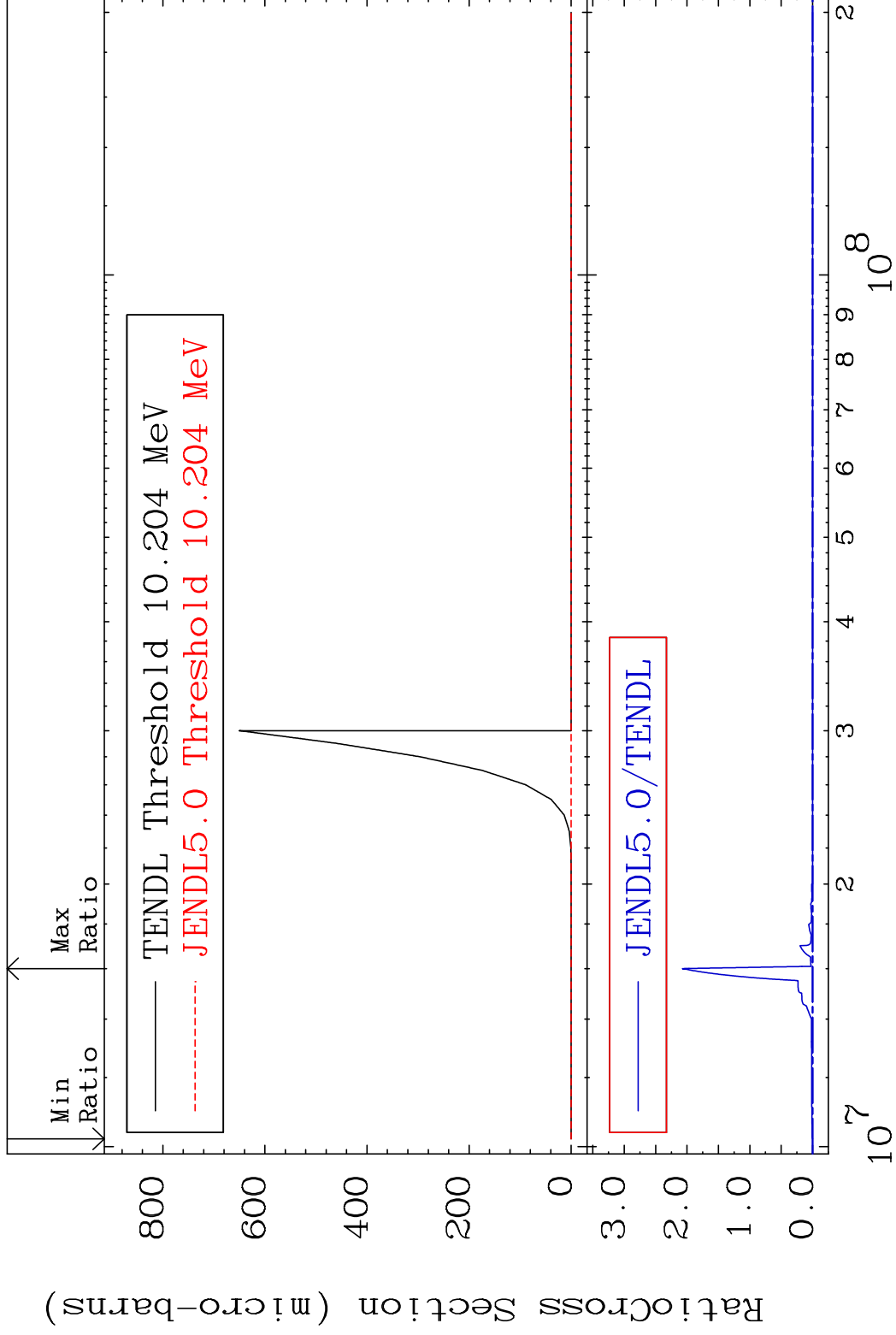
45-Rh-105

MAT 4531

(n, He-3)

45-Rh-105

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

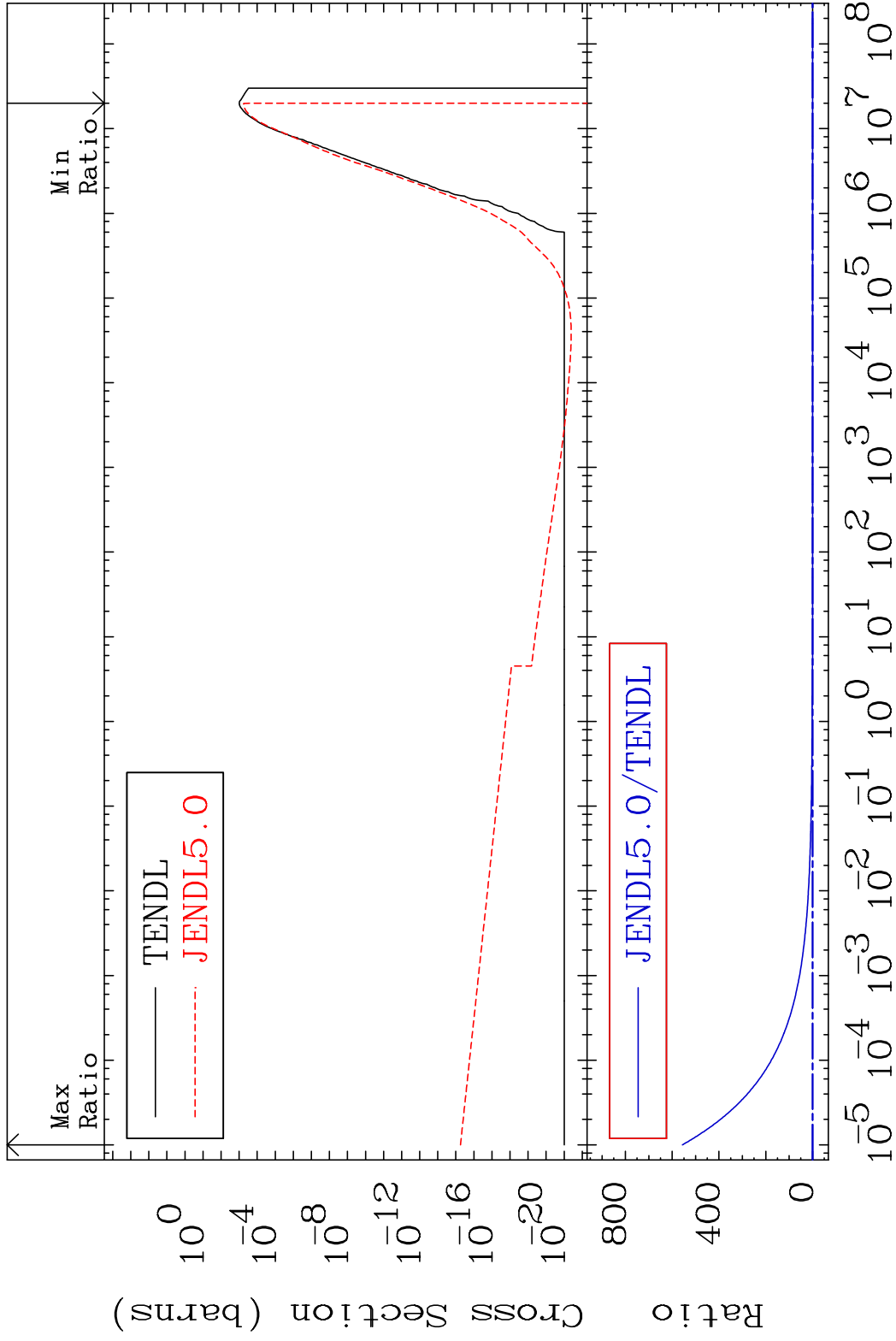
45-Rh-105

MAT 4531

(n,  $\alpha$ )

45-Rh-105

Cross Section -100.0 To 9999. %



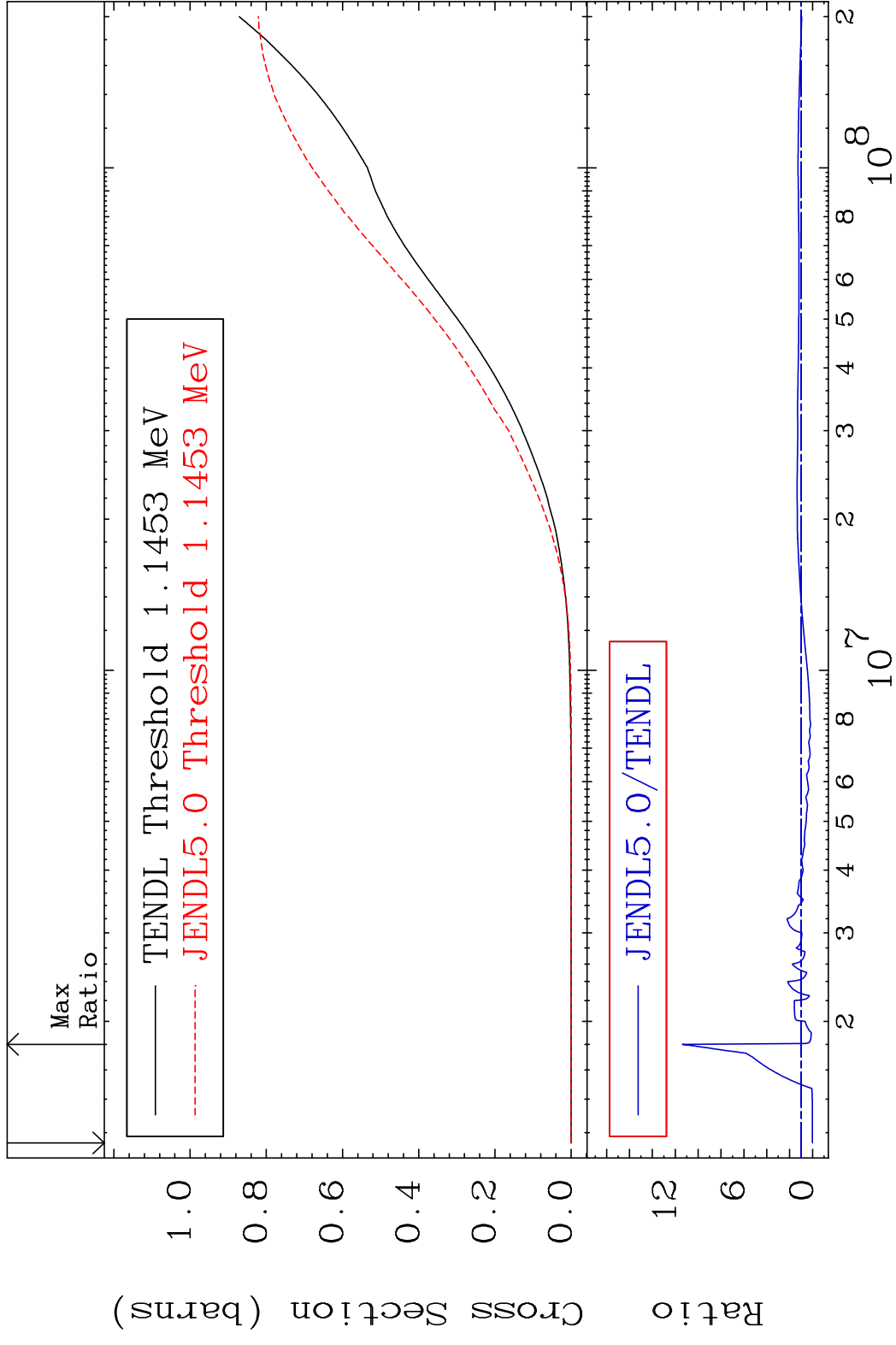
47

Incident Energy (eV)

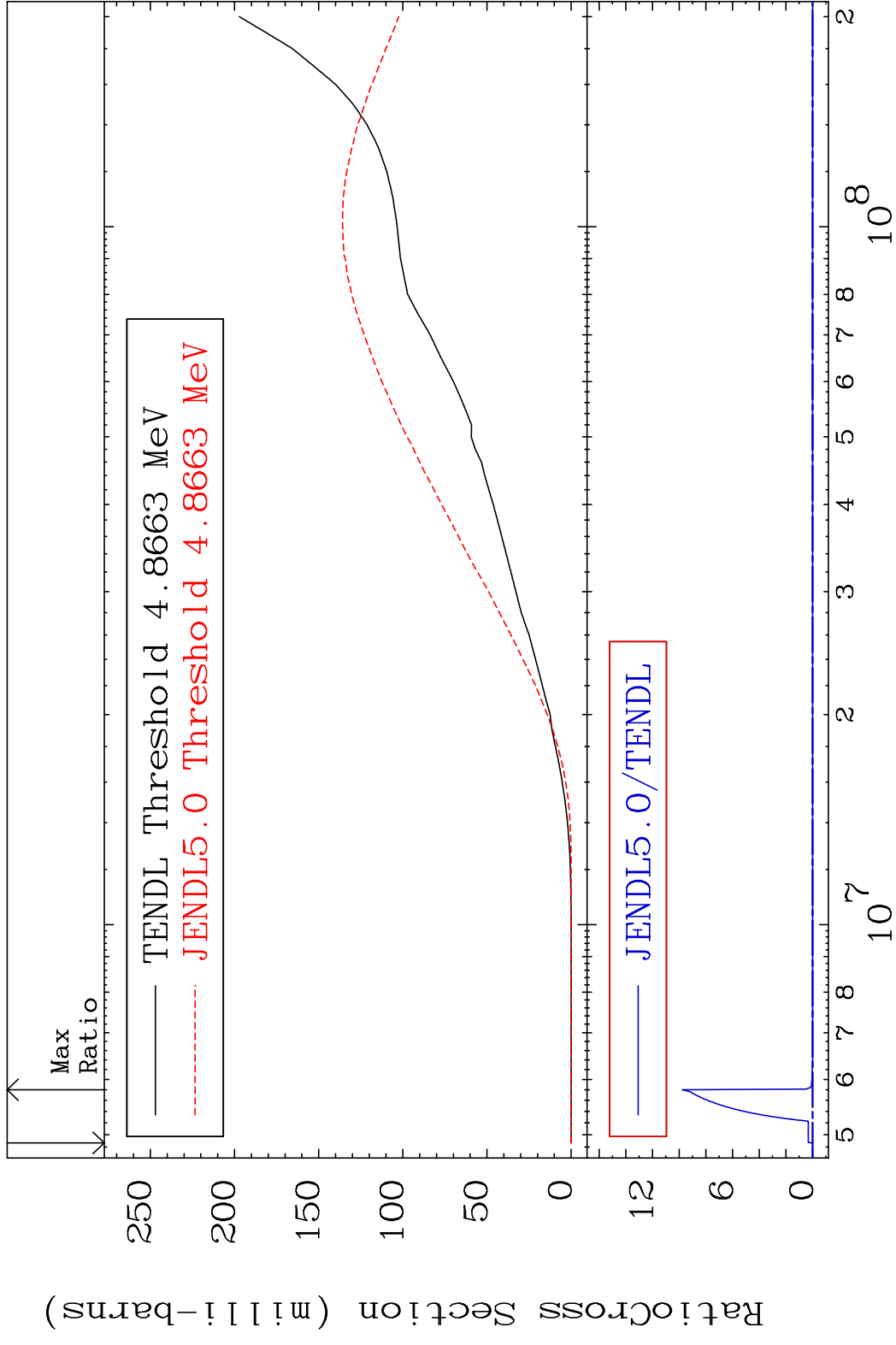
45-Rh-105



MAT 4531 Hydrogen Production 45-Rh-105  
 Cross Section -100.0 To 1038. %

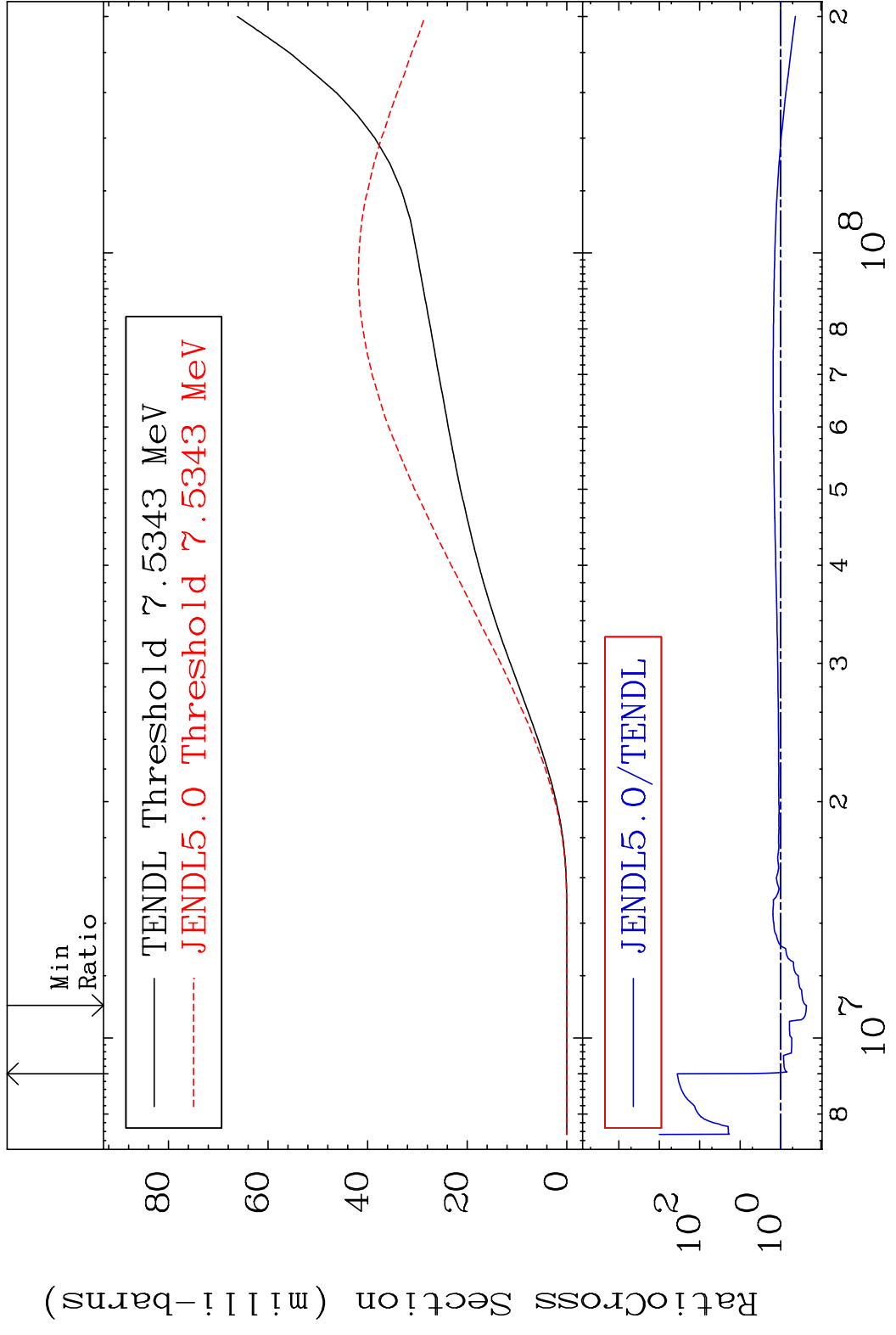


MAT 4531 Deuterium Production 45-Rh-105  
 Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 45-Rh-105

MAT 4531 Tritium Production 45-Rh-105  
Cross Section -77.04 To 9999. %



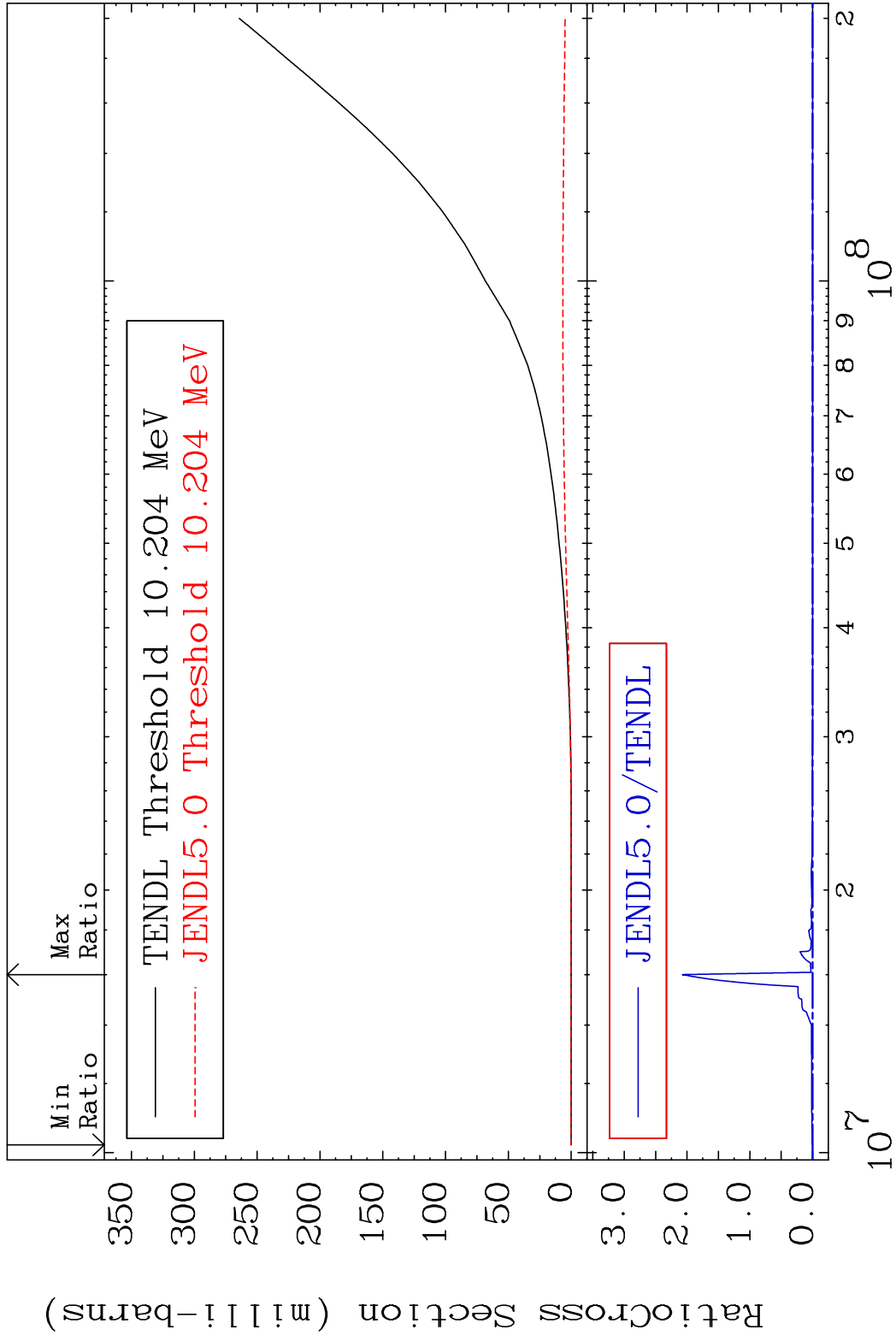
50 45-Rh-105

MAT 4531

He-3 Production

45-Rh-105

Cross Section -100.0 To 9999. %

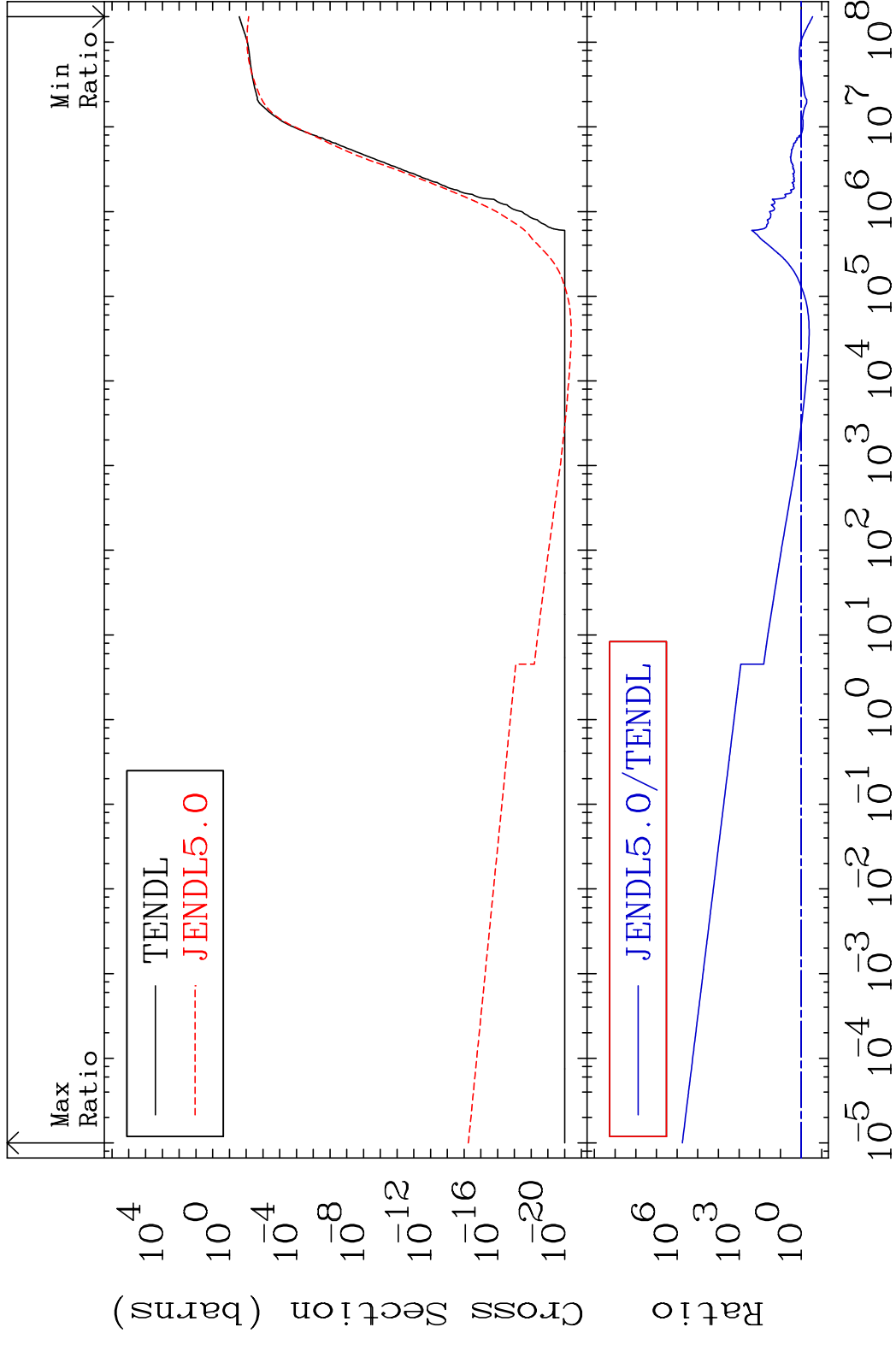


51

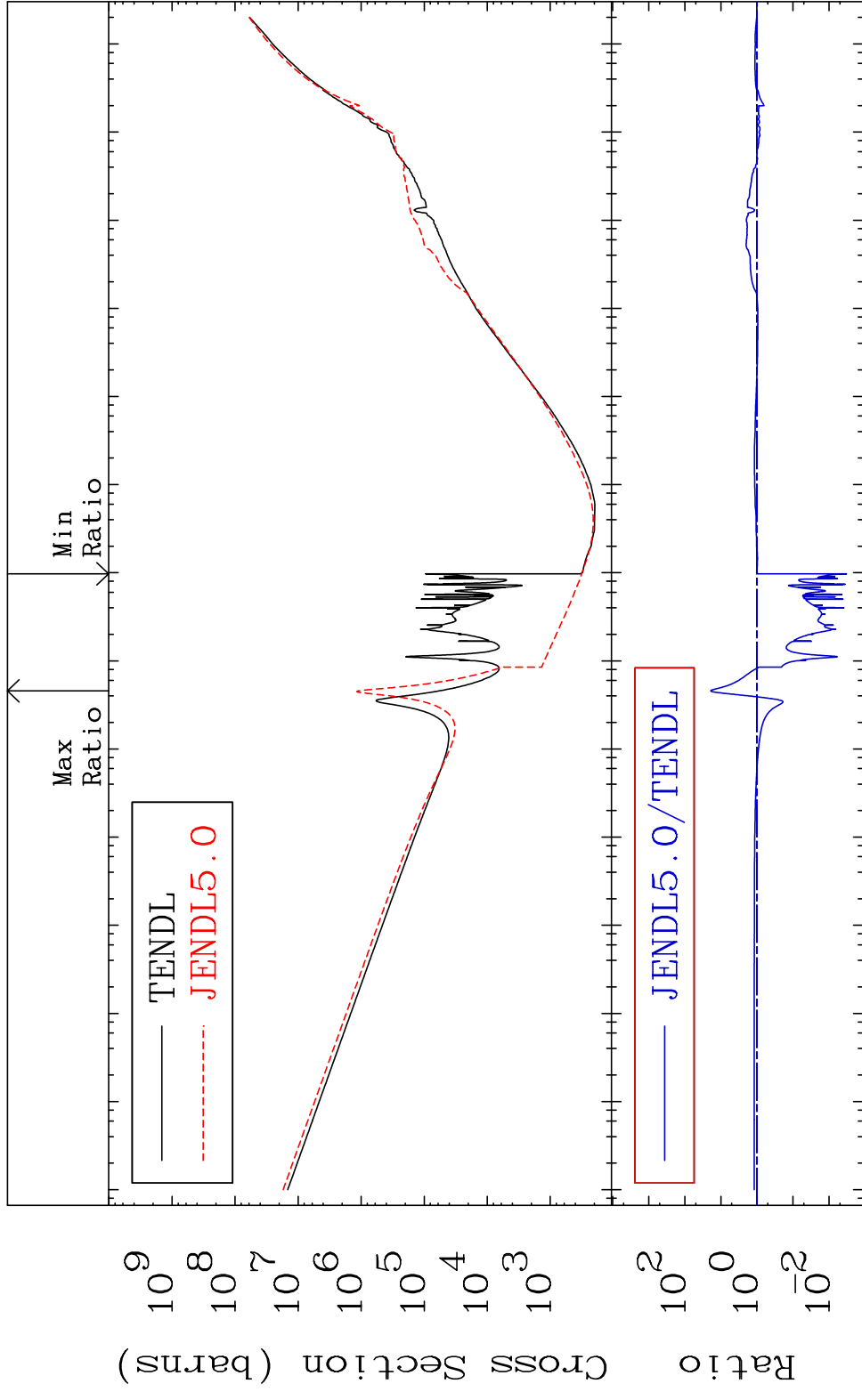
Incident Energy (eV)

45-Rh-105

MAT 4531 He-4 Production 45-Rh-105  
 Cross Section -72.06 To 9999. %



MAT 4531 Kerma total (eV-barns) 45-Rh-105  
 Cross Section -99.67 To 1814. %

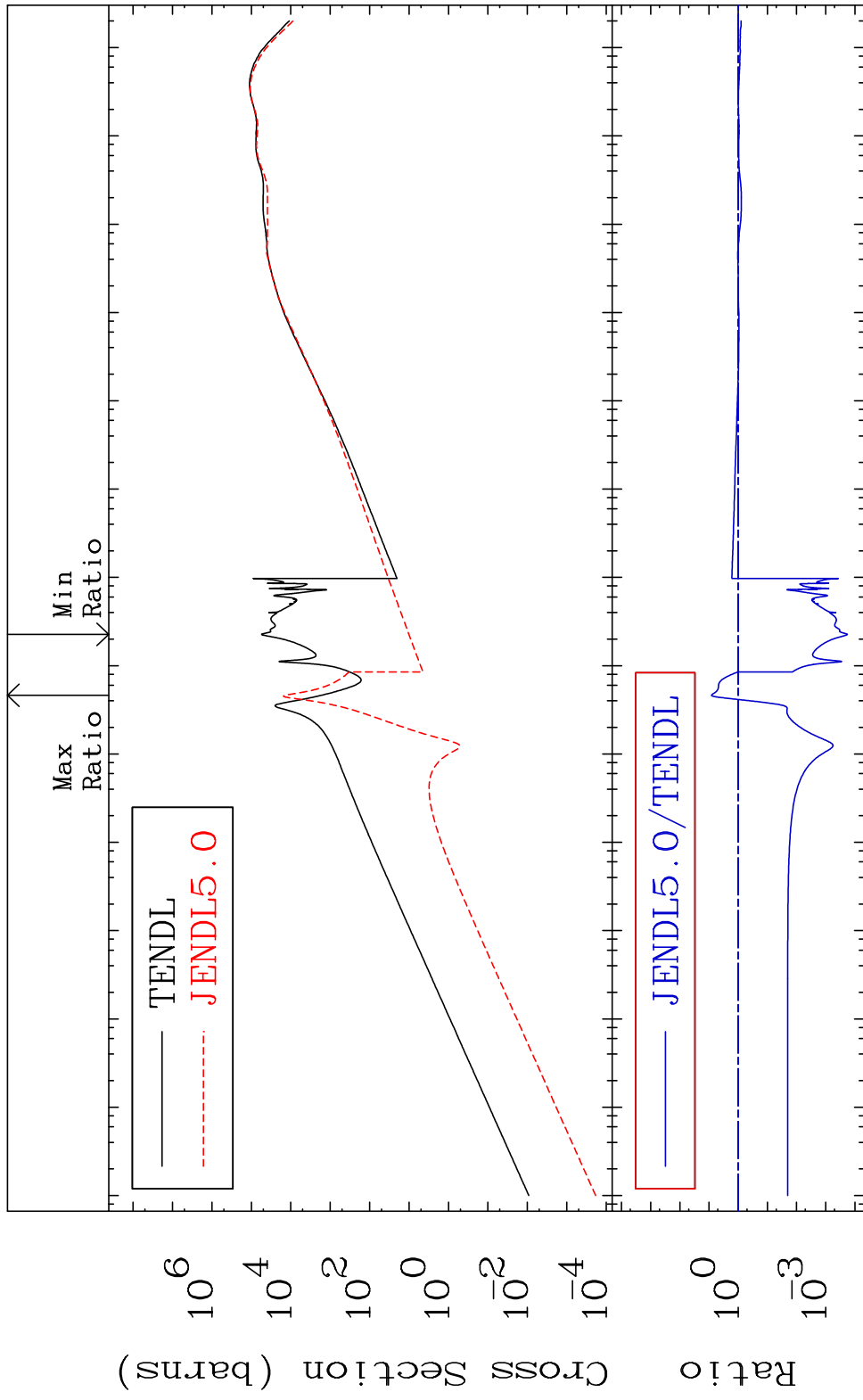


MAT 4531

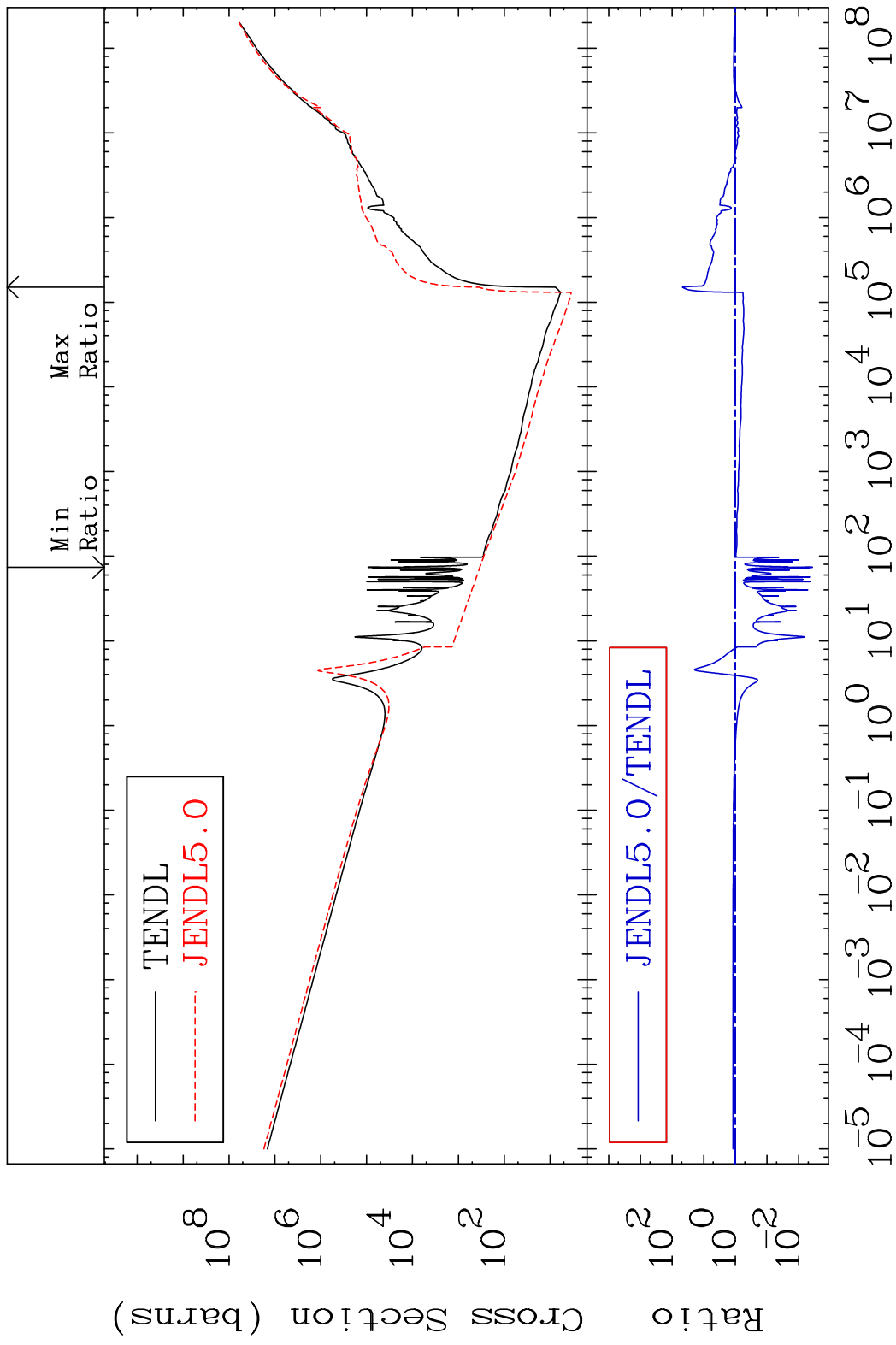
Kerma elastic

45-Rh-105

Cross Section -99.98 To 721.0 %

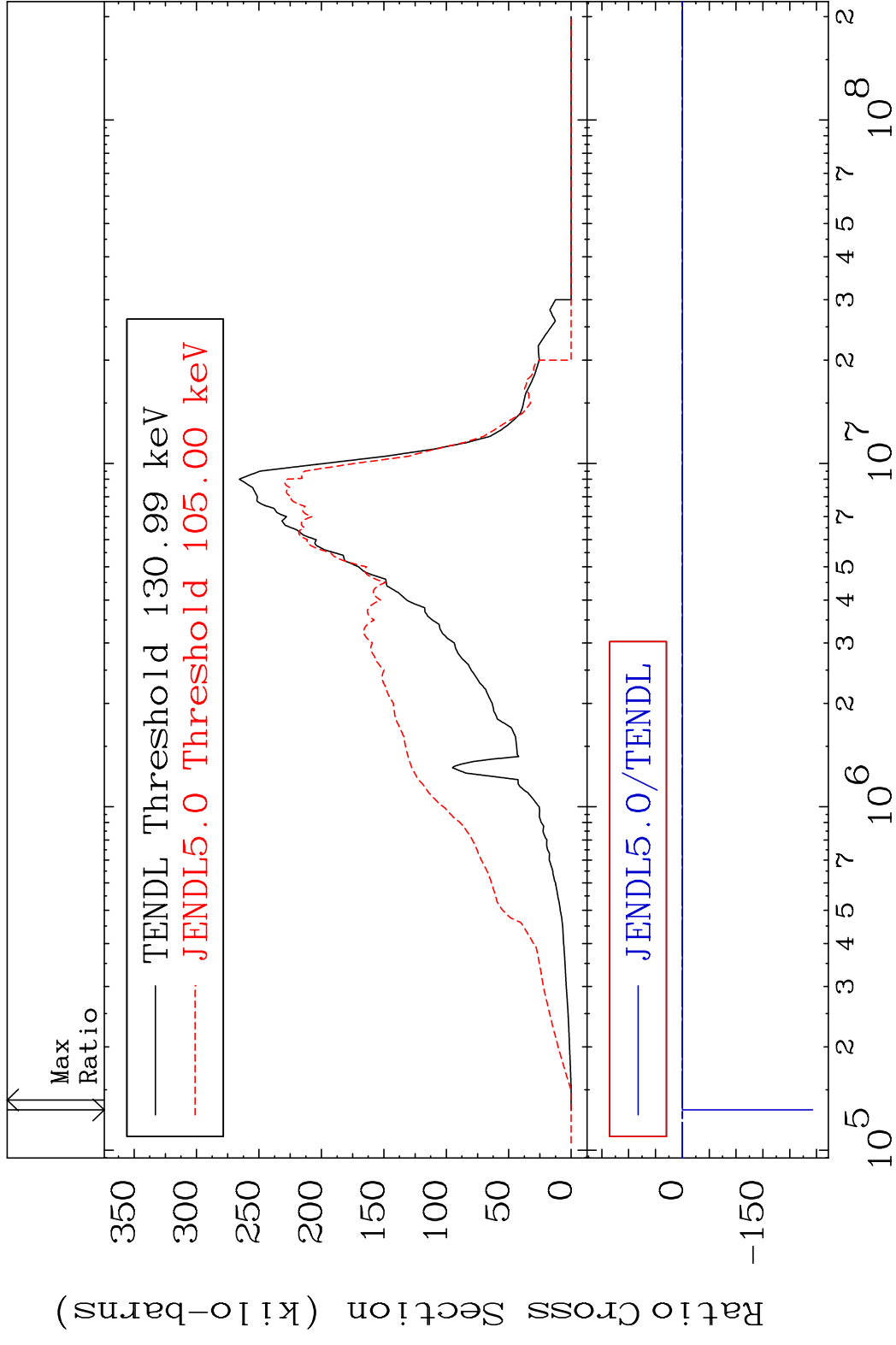


MAT 4531 Kerma non-elastic (all but mt2) 45-Rh-105  
 Cross Section -99.64 To 4633. %

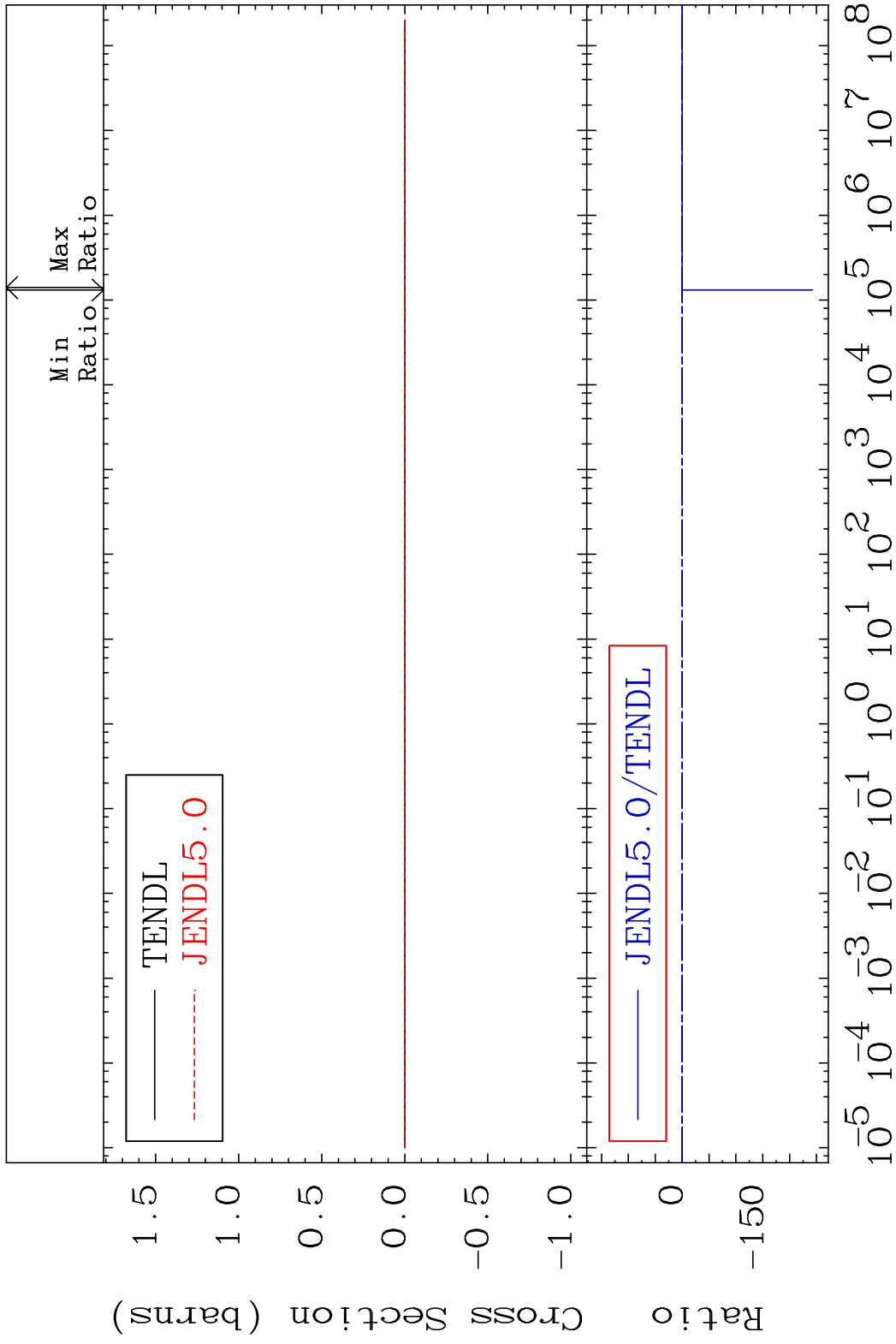




MAT 4531 Kerma inelastic (mt51-91) 45-Rh-105  
 Cross Section -9999. To 9999. %



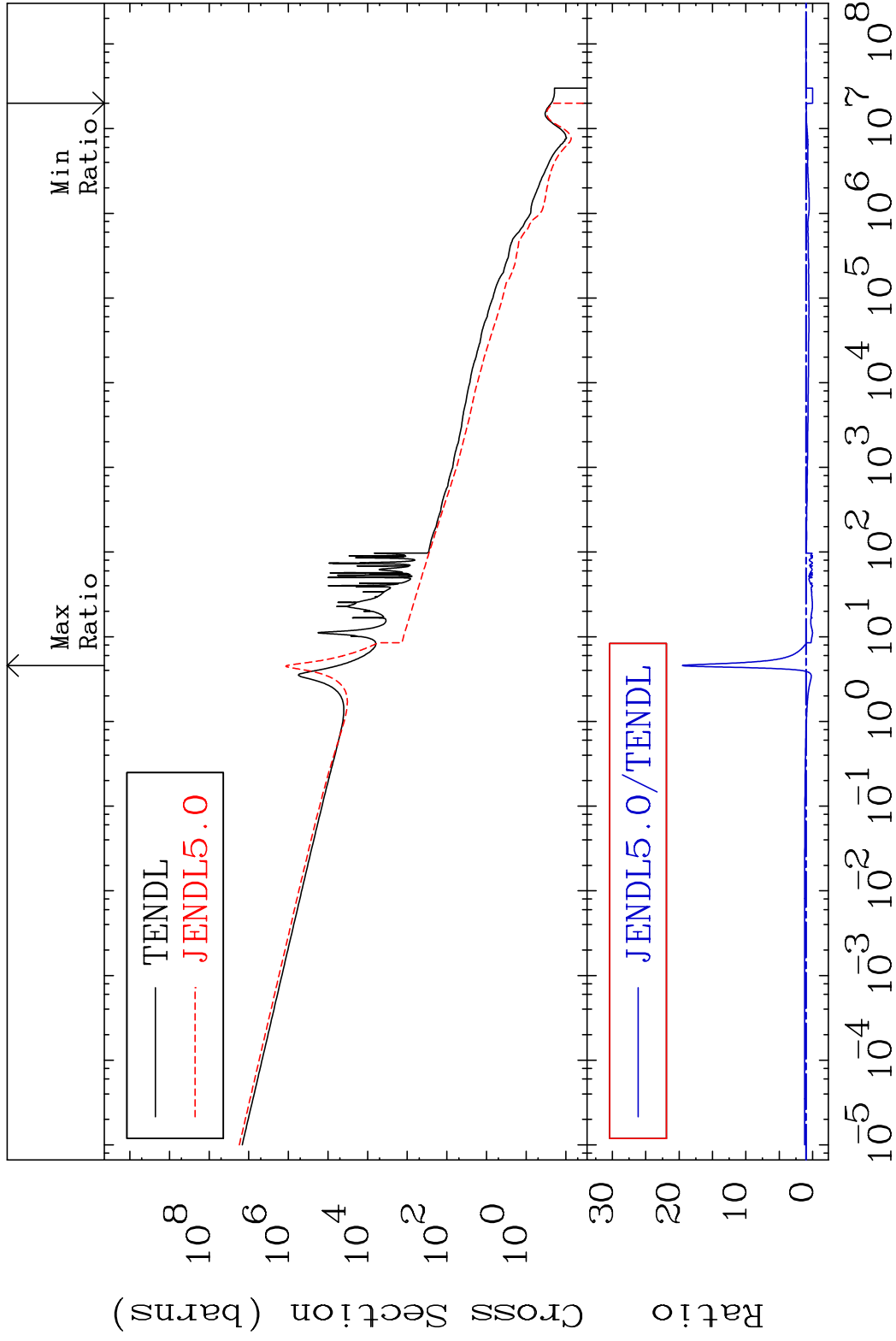
MAT 4531 Kerma fission (mt18 or mt19-20-21-38)45-Rh-105  
 Cross Section -9999. To 9999. %



MAT 4531

Kerma capture (mt102) 45-Rh-105

Cross Section -100.0 To 1852. %

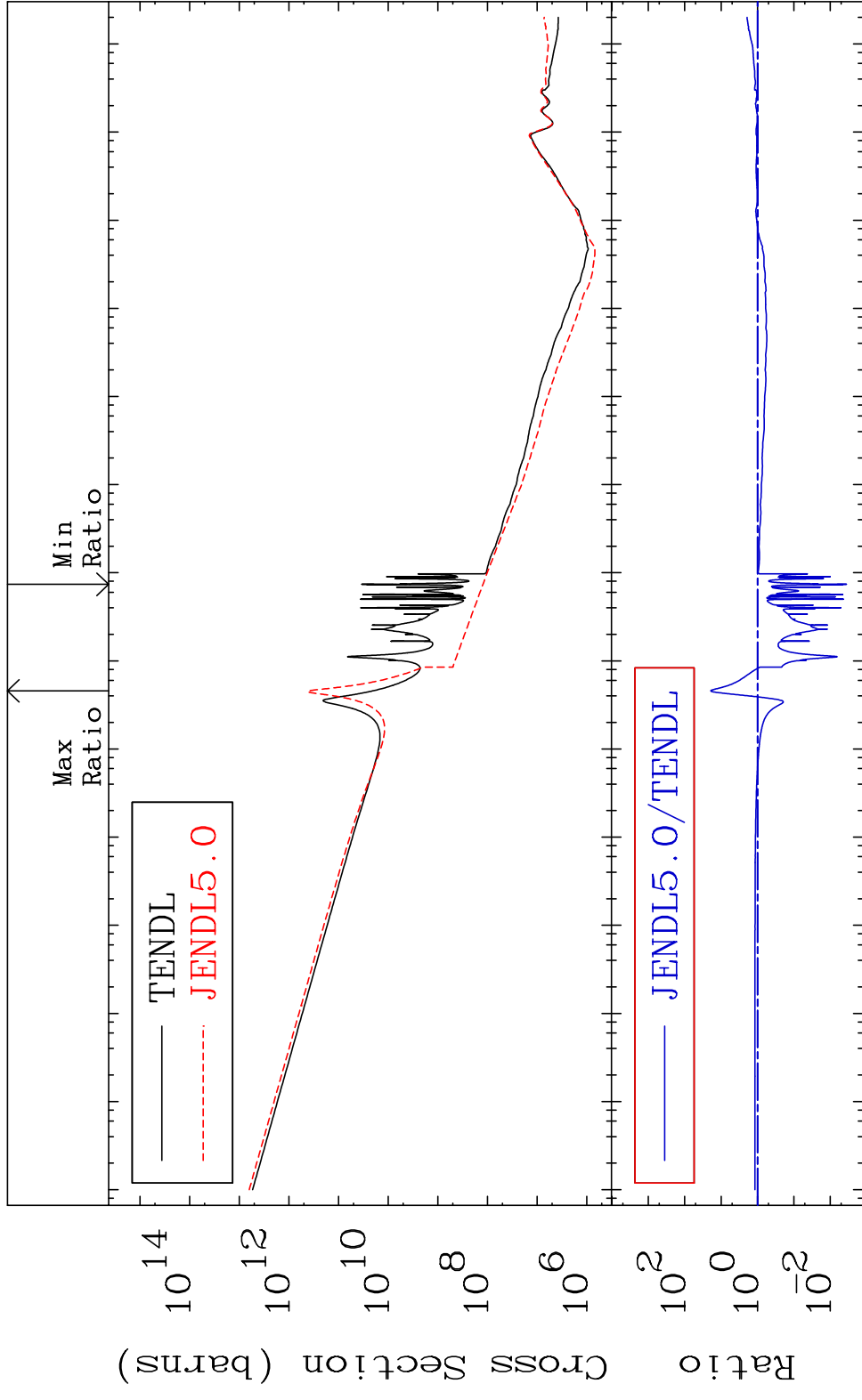


58

Incident Energy (eV)

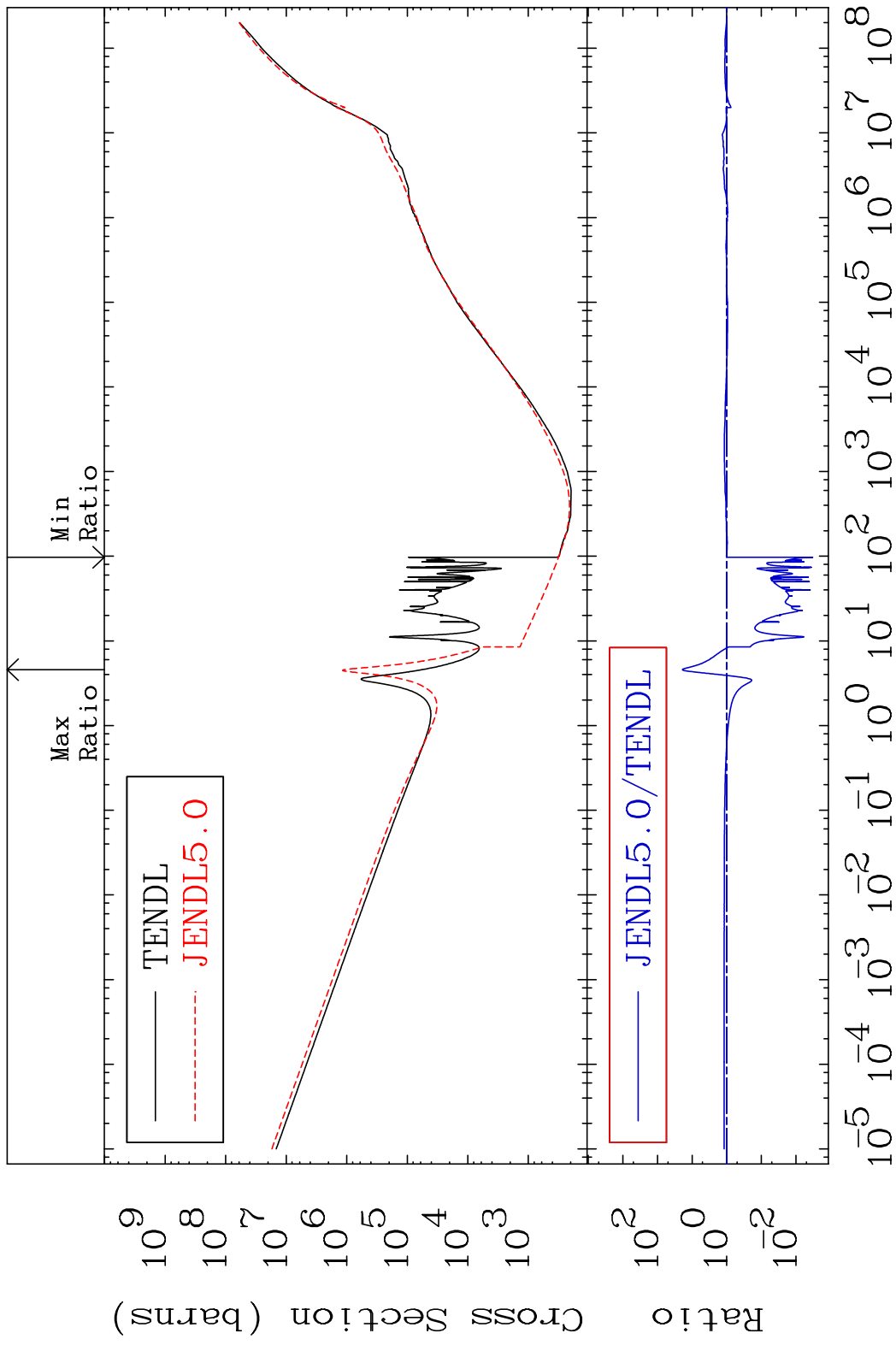
45-Rh-105

MAT 4531 Total photon (eV-barns) 45-Rh-105  
 Cross Section -99.64 To 1828. %

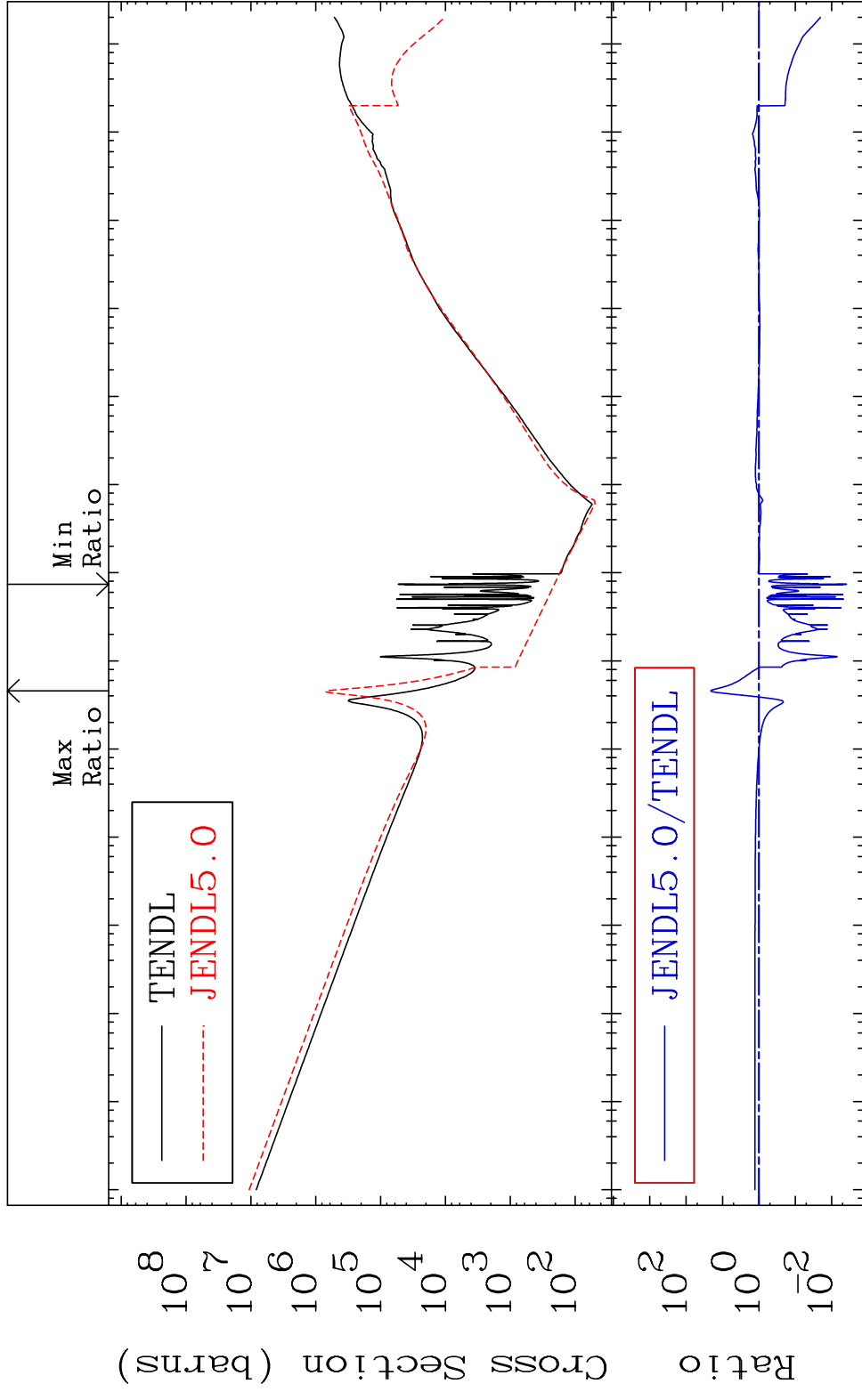


59 Incident Energy (eV) 45-Rh-105

MAT 4531 Total kinematic kerma (high limit) 45-Rh-105  
 Cross Section -99.67 To 1814. %



MAT 4531      Dpa total (eV-barns)      45-Rh-105  
 Cross Section      -99.61 To 2012. %



61      Incident Energy (eV)      45-Rh-105

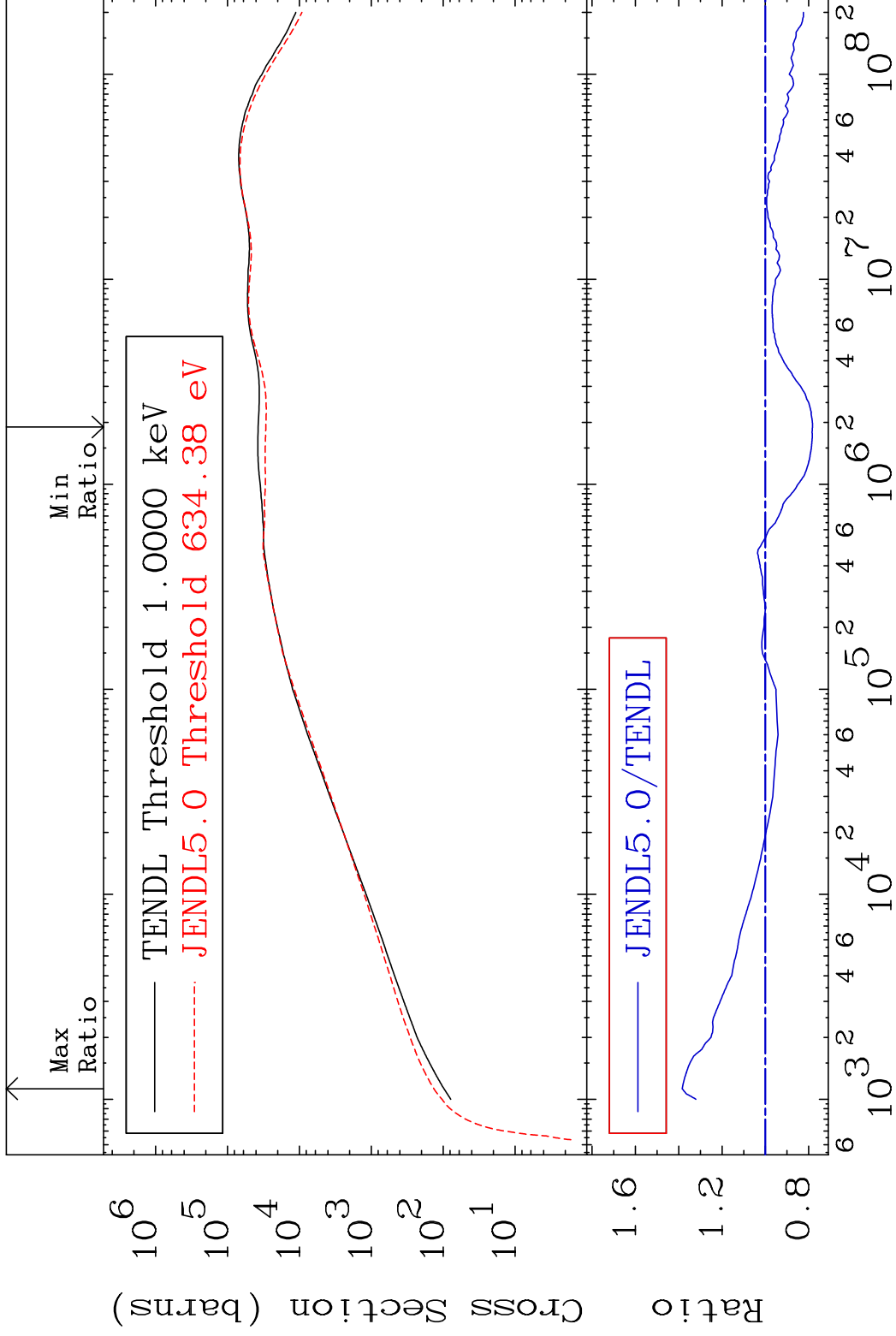
MAT 4531

Dpa elastic (mt2)

45-Rh-105

Cross Section

-21.74 To 38.42 %

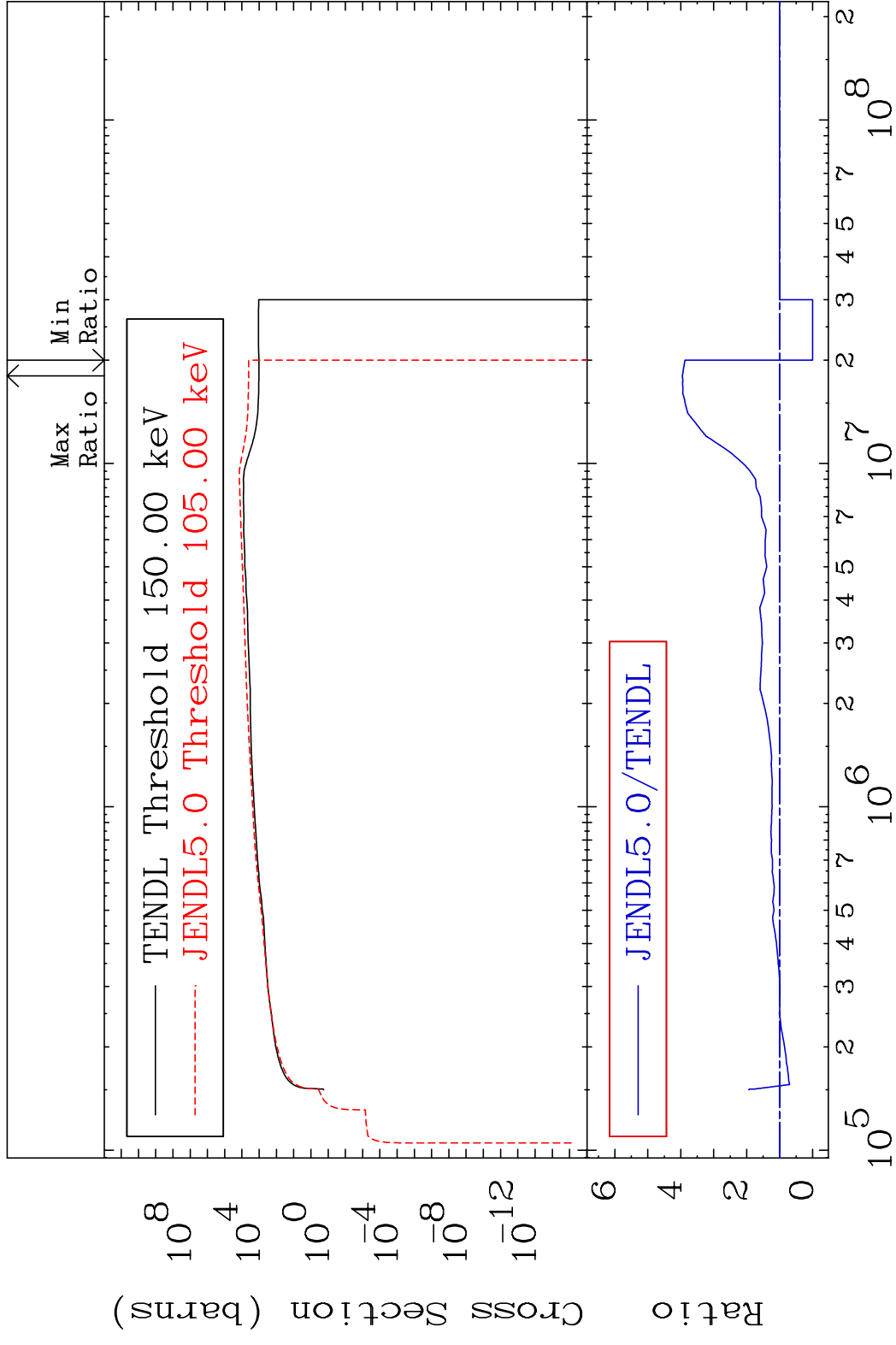


62

Incident Energy (eV)

45-Rh-105

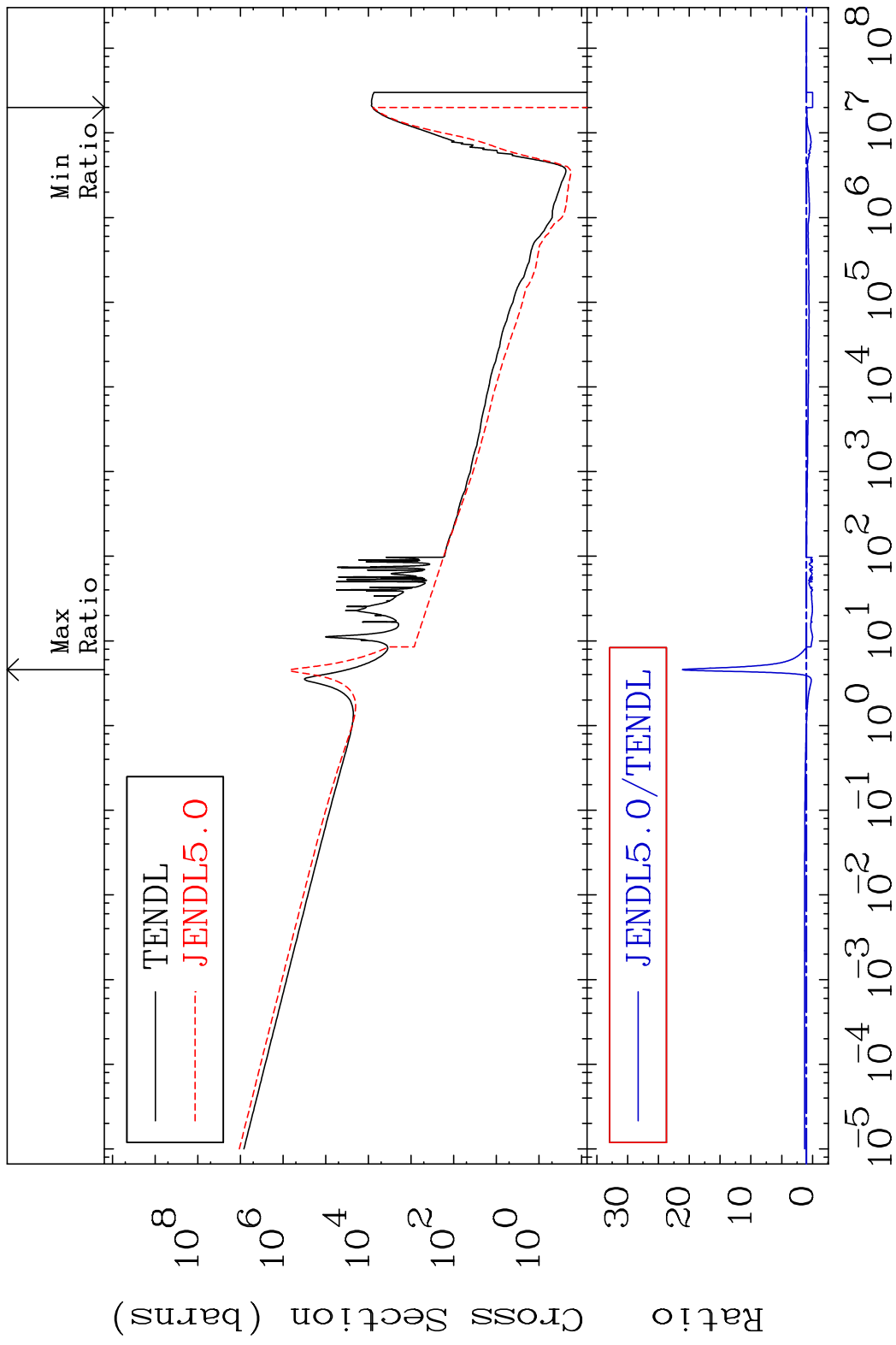
MAT 4531 Dpa inelastic (mt51-91) 45-Rh-105  
 Cross Section -100.0 To 295.1 %



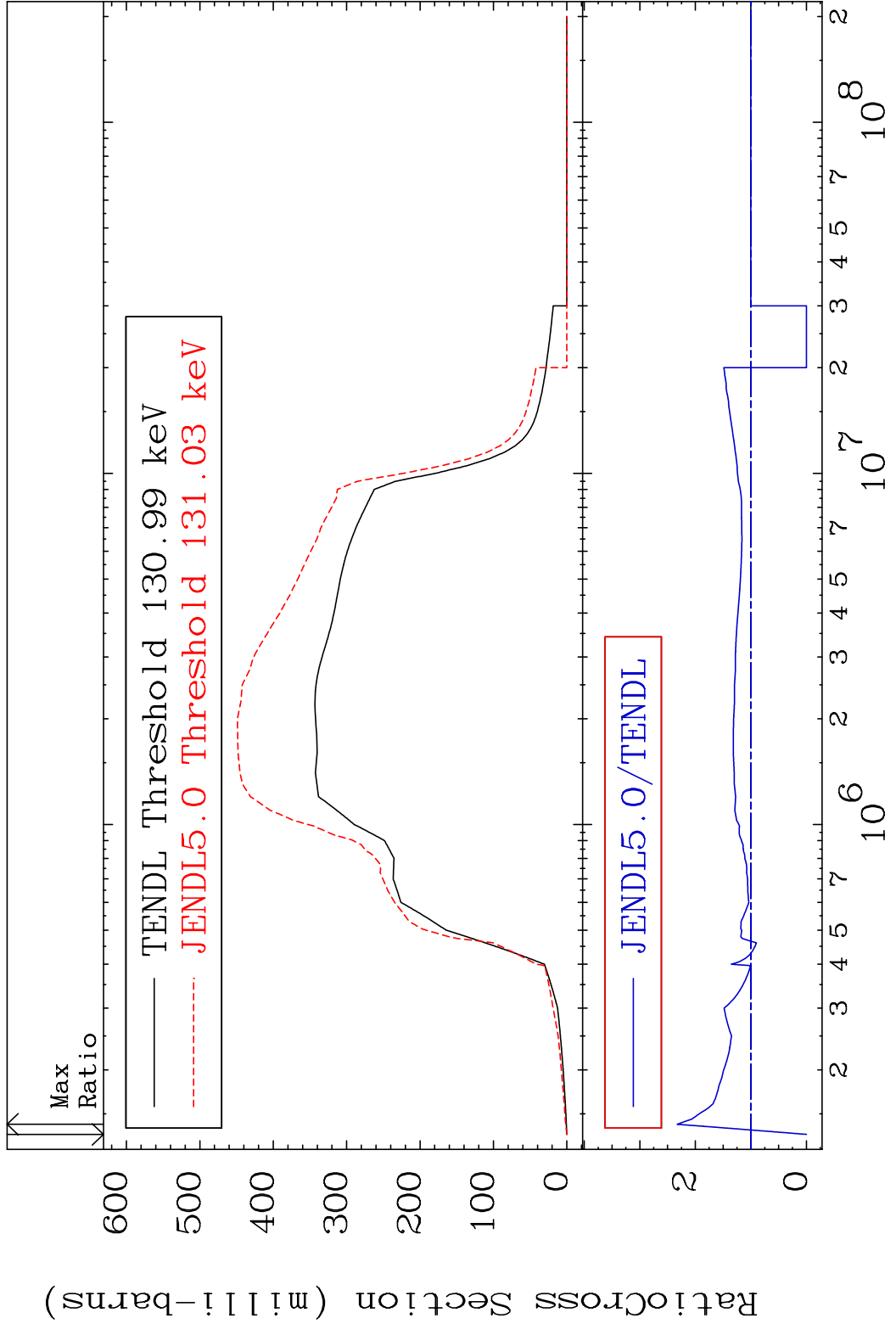
63 Incident Energy (eV) 45-Rh-105



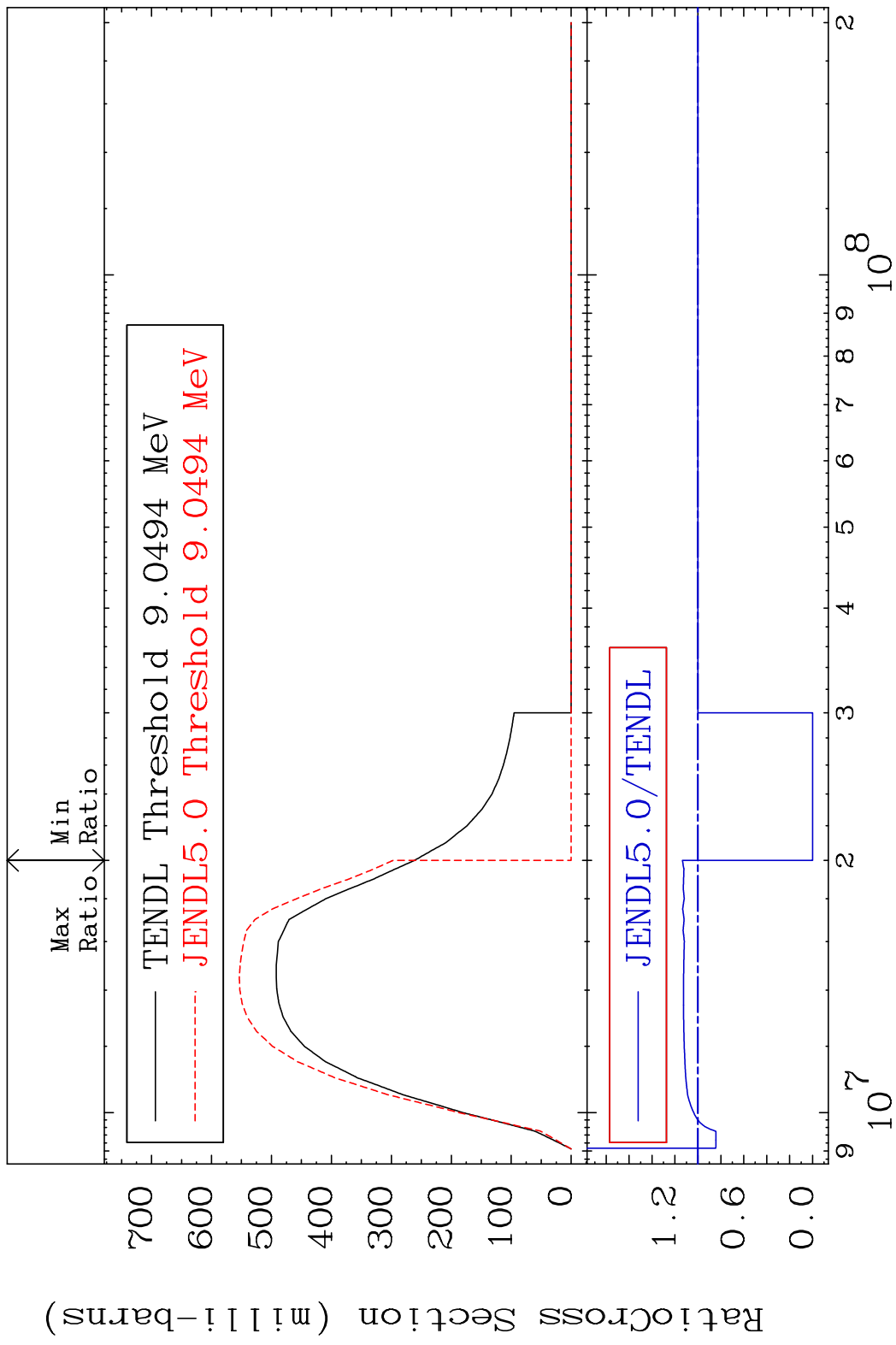
MAT 4531 Dpa disappearance (mt102 -120) 45-Rh-105  
 Cross Section -100.0 To 2012. %



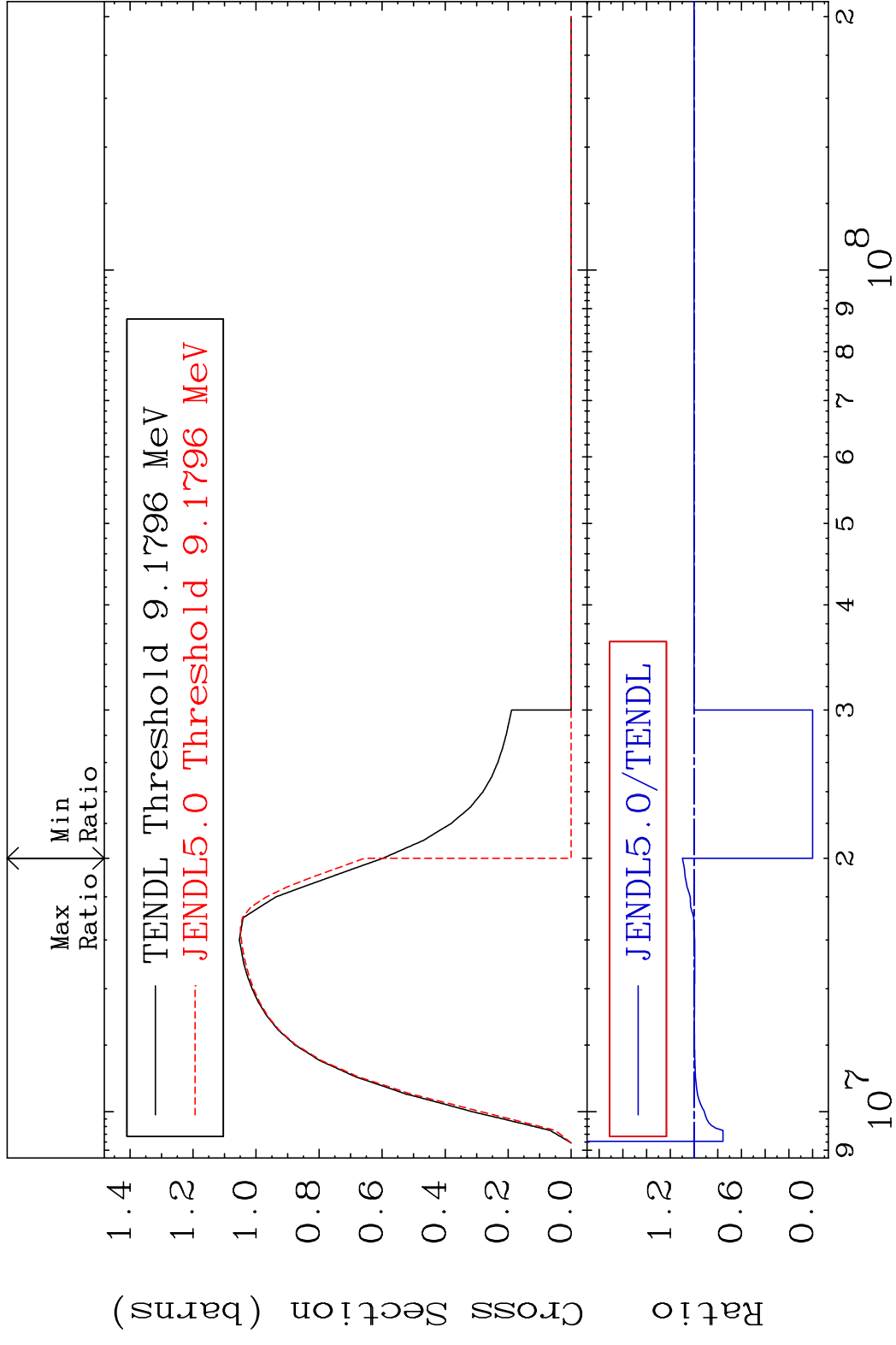
MAT 4531 Inelastic:45-Rh-105m1 45-Rh-105  
 Radionuclide Production Cross Section Ratio 132.7 %



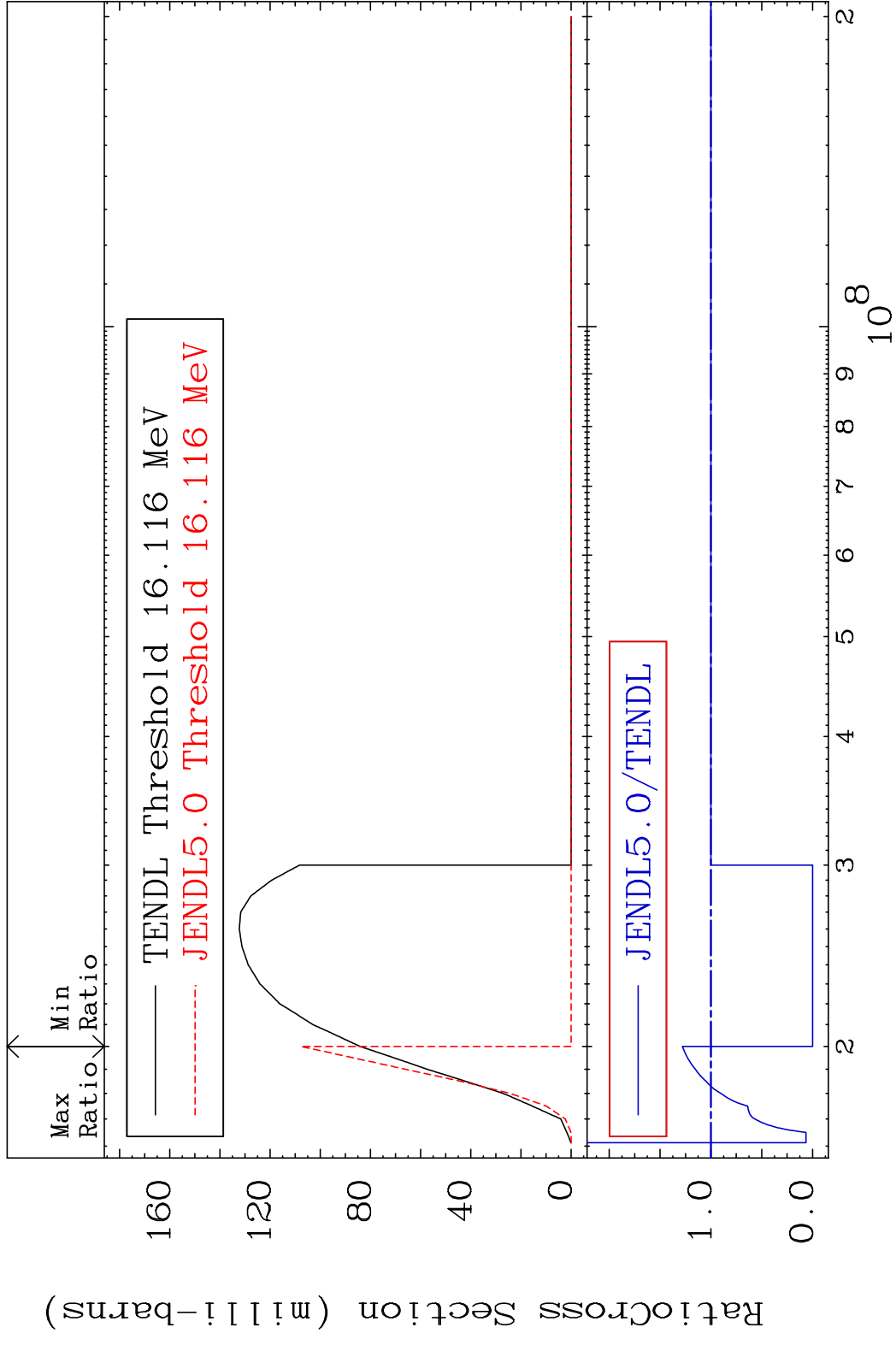
MAT 4531 (n,2n):45-Rh-104g 45-Rh-105  
 Radionuclide Production Cross Section Ratio 13.56 %



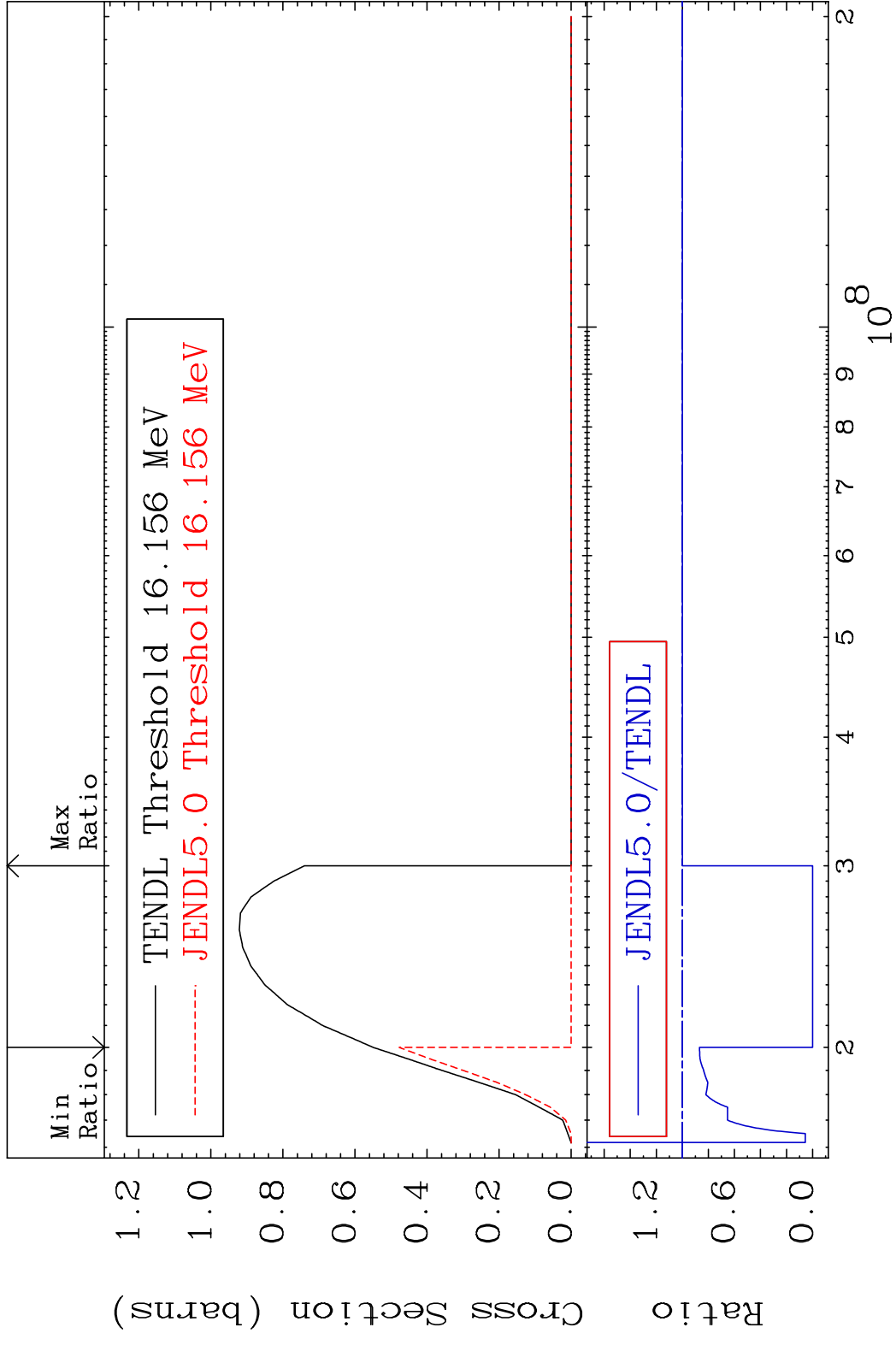
MAT 4531 (n, 2n) : 45-Rh-104m3 45-Rh-105  
 Radionuclide Production Cross Section Ratio 9.855 %



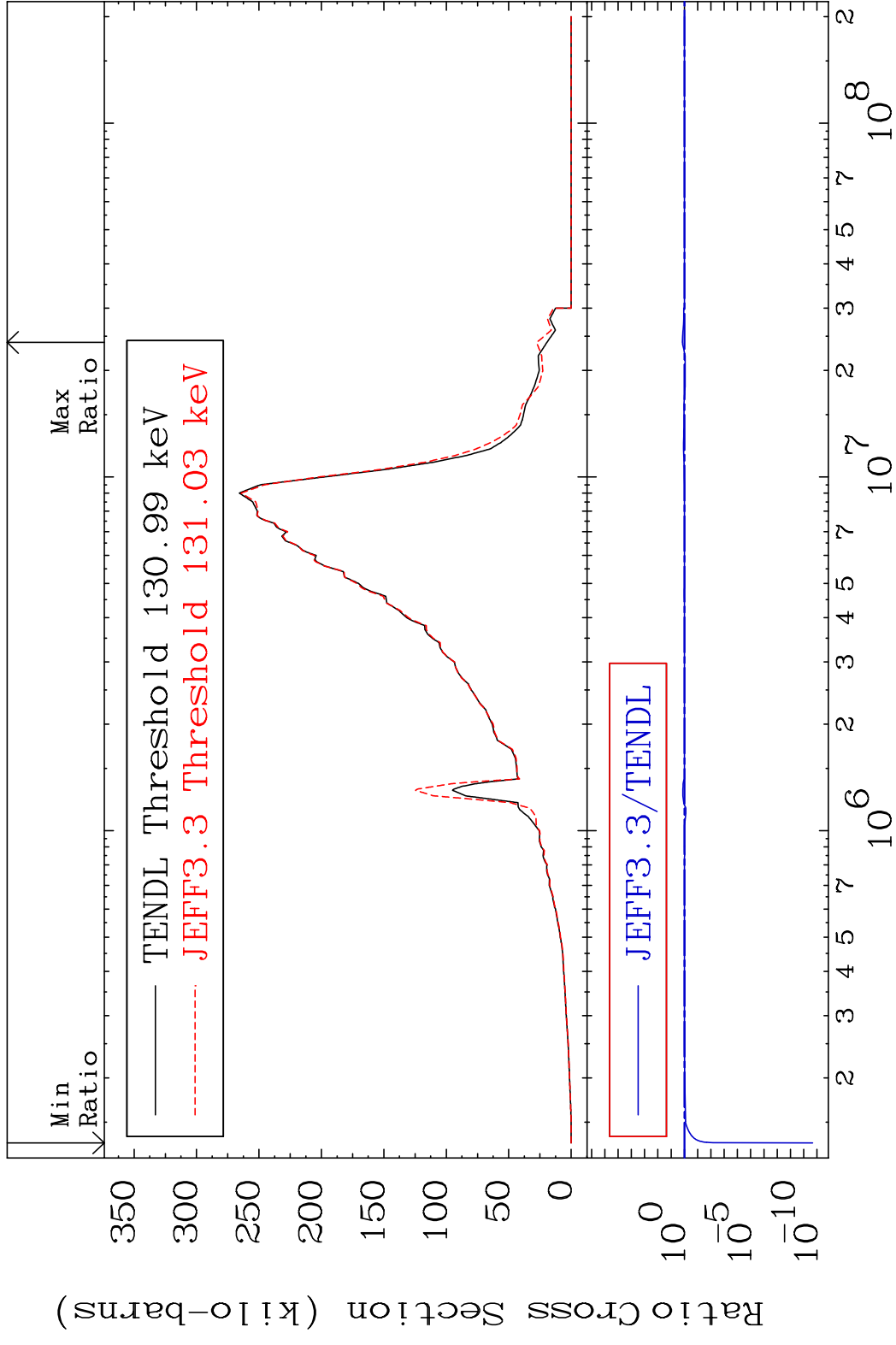
MAT 4531 (n,3n):45-Rh-103g 45-Rh-105  
 Radionuclide Production Cross Section Ratio 28.07 %



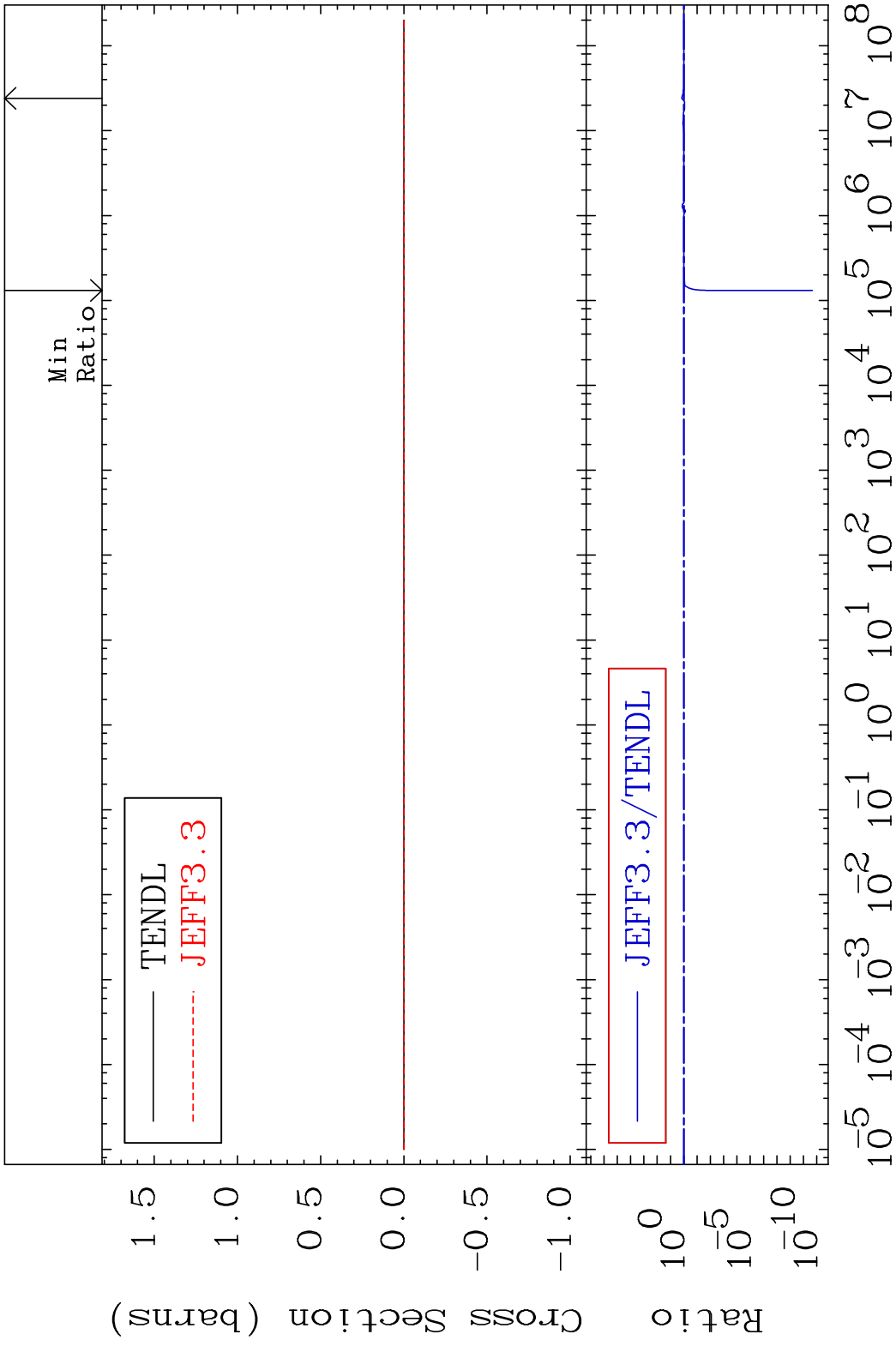
MAT 4531 (n, 3n) : 45-Rh-103m1 45-Rh-105  
 Radionuclide Production Cross Section 180.01 dth 0.000 %



MAT 4531 Kerma inelastic (mt51-91) 45-Rh-105  
 Cross Section -100.0 To 42.21 %



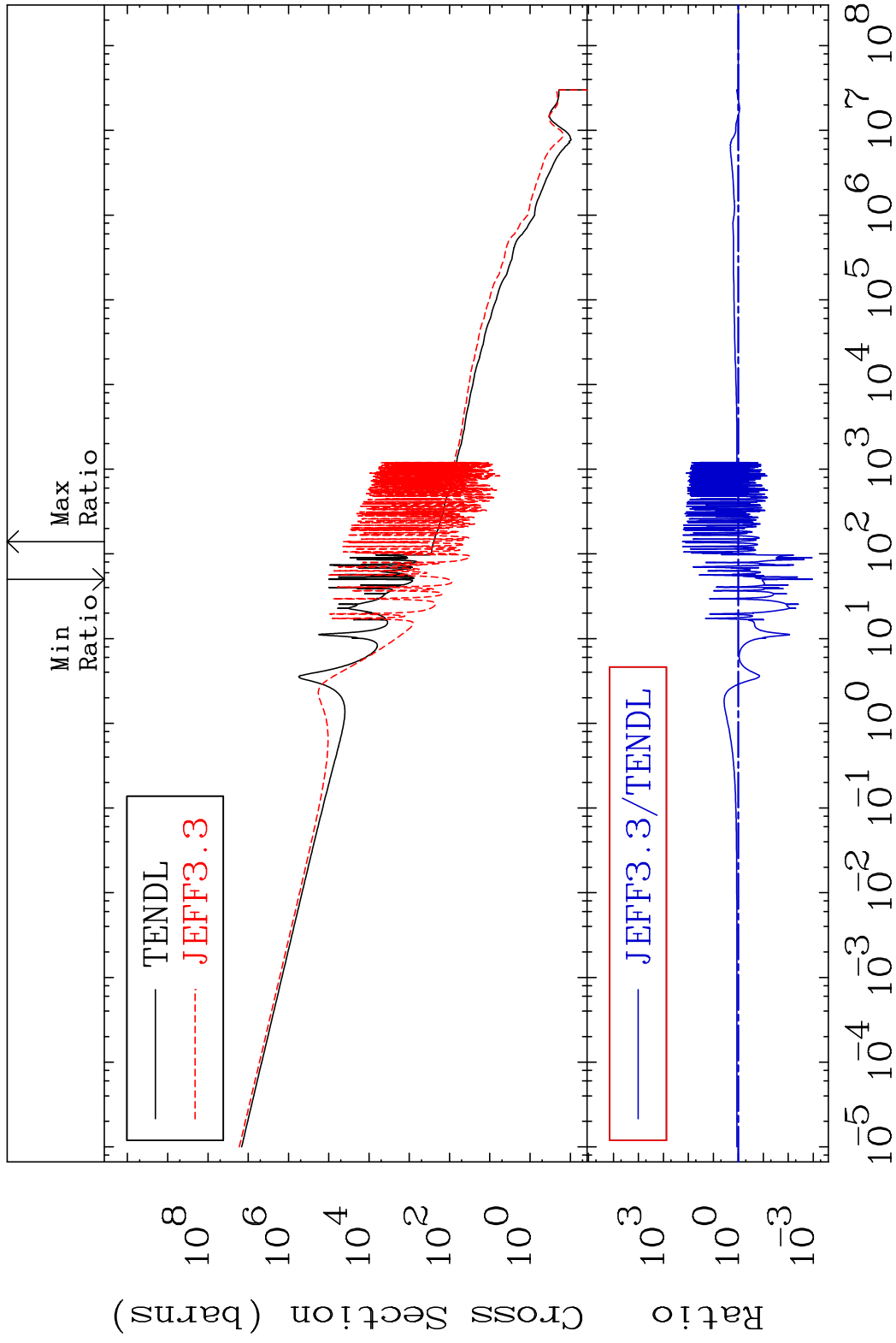
MAT 4531 Kerma fission (mt18 or mt19-20-21-38) 45-Rh-105  
 Cross Section -100.0 To 42.21 %





MAT 4531

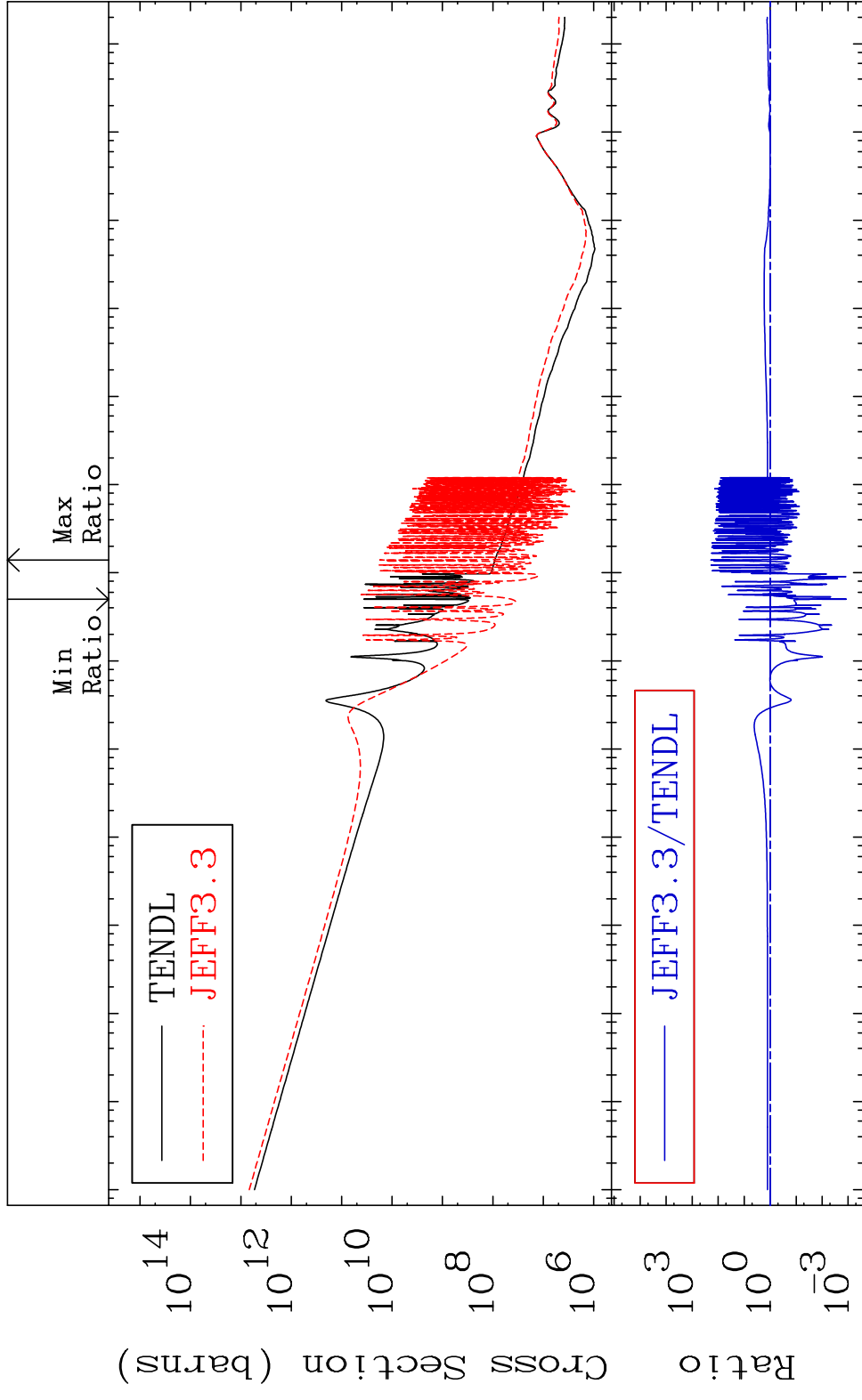
Kerma capture (mt102) 45-Rh-105  
Cross Section -99.89 To 9999. %



72

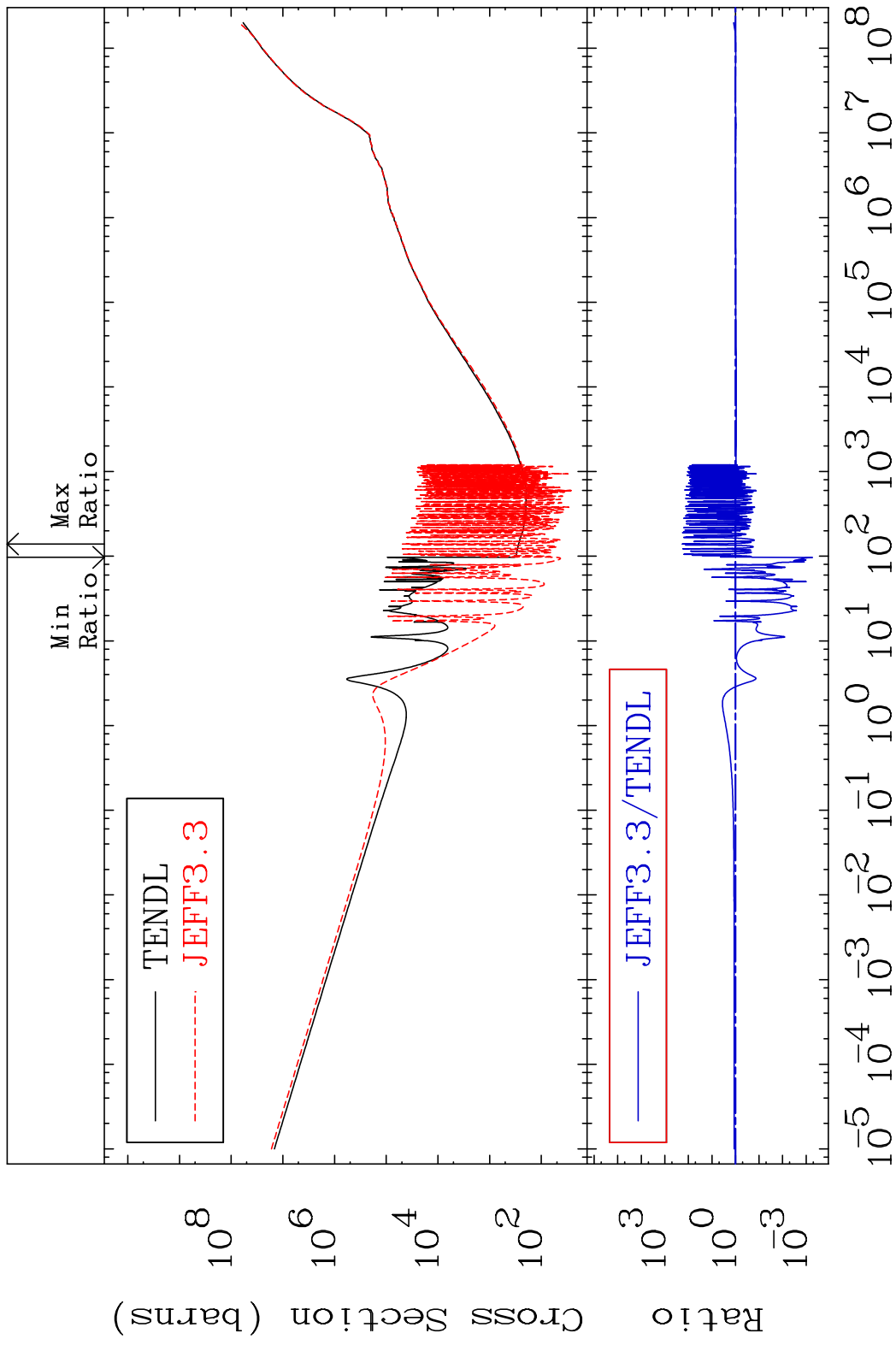
Incident Energy (eV) 45-Rh-105

MAT 4531 Total photon (eV-barns) 45-Rh-105  
 Cross Section -99.88 To 9999. %

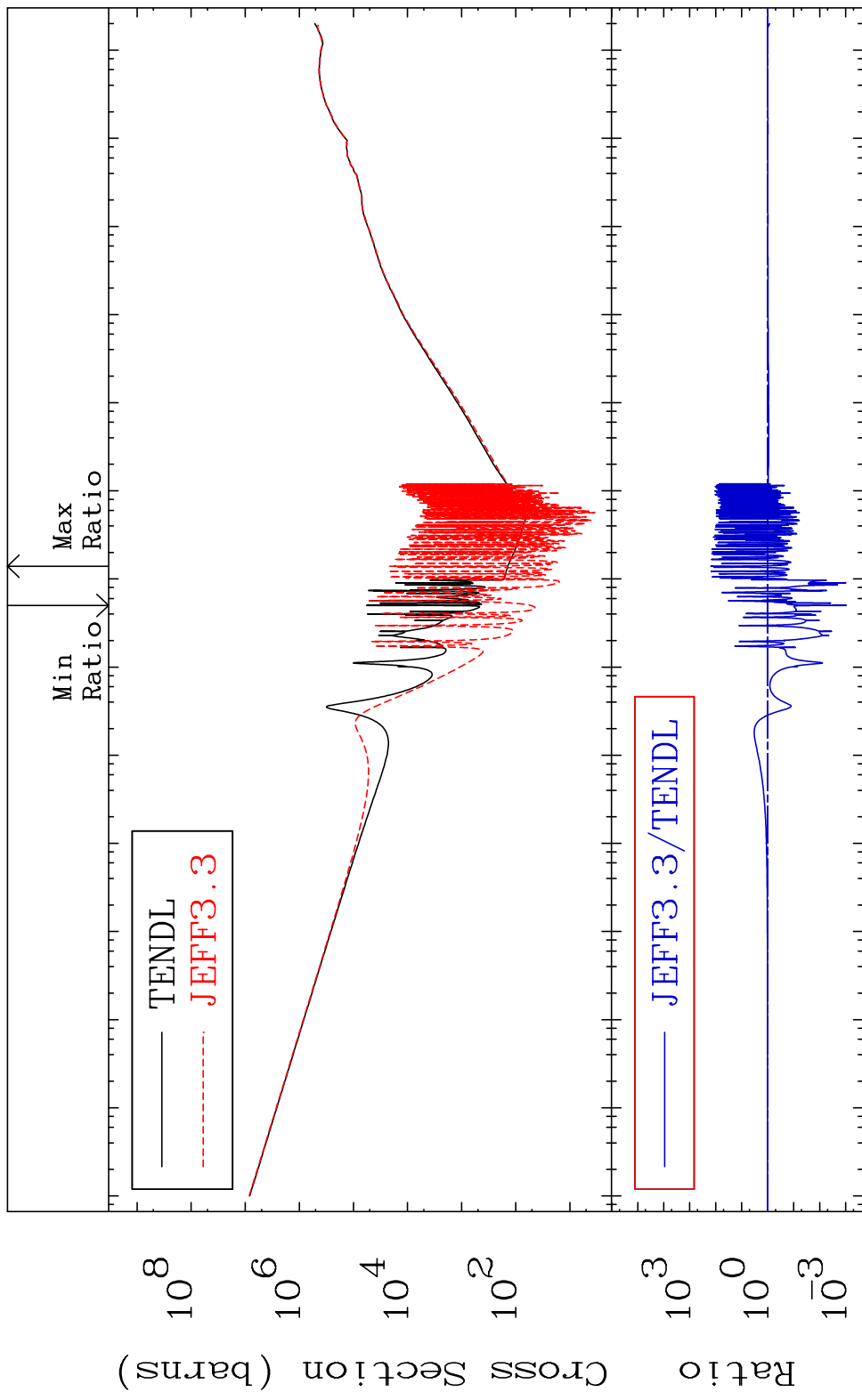


Ratio  
 Cross Section (barns)  
 Incident Energy (eV) 45-Rh-105

MAT 4531 Total kinematic kerma (high limit) 45-Rh-105  
 Cross Section -99.95 To 9999. %



MAT 4531      Dpa total (eV-barns)      45-Rh-105  
 Cross Section      -99.91 To 9999. %



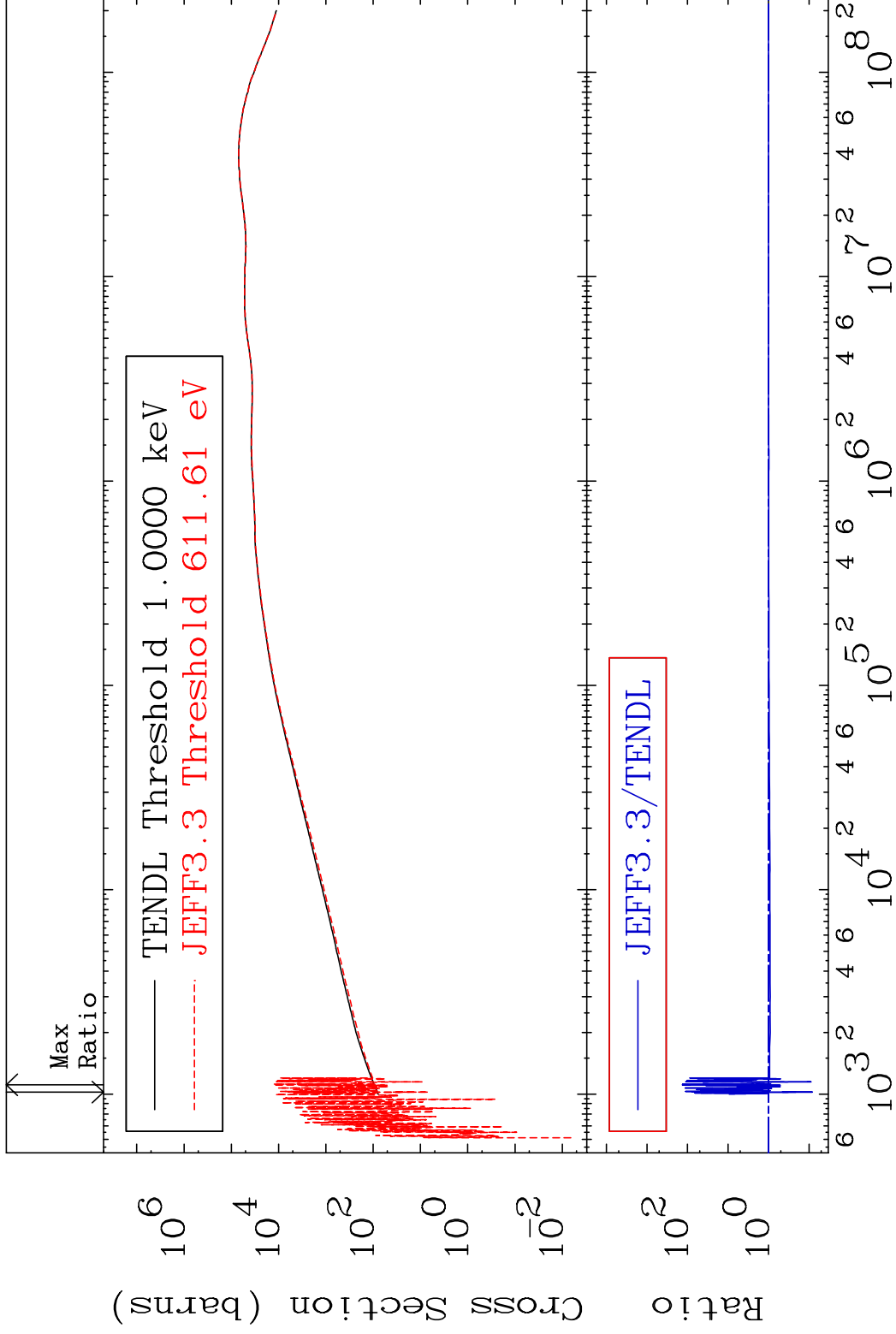
75      Incident Energy (eV)      45-Rh-105

MAT 4531

Dpa elastic (mt2)

45-Rh-105

Cross Section -91.78 To 9999. %

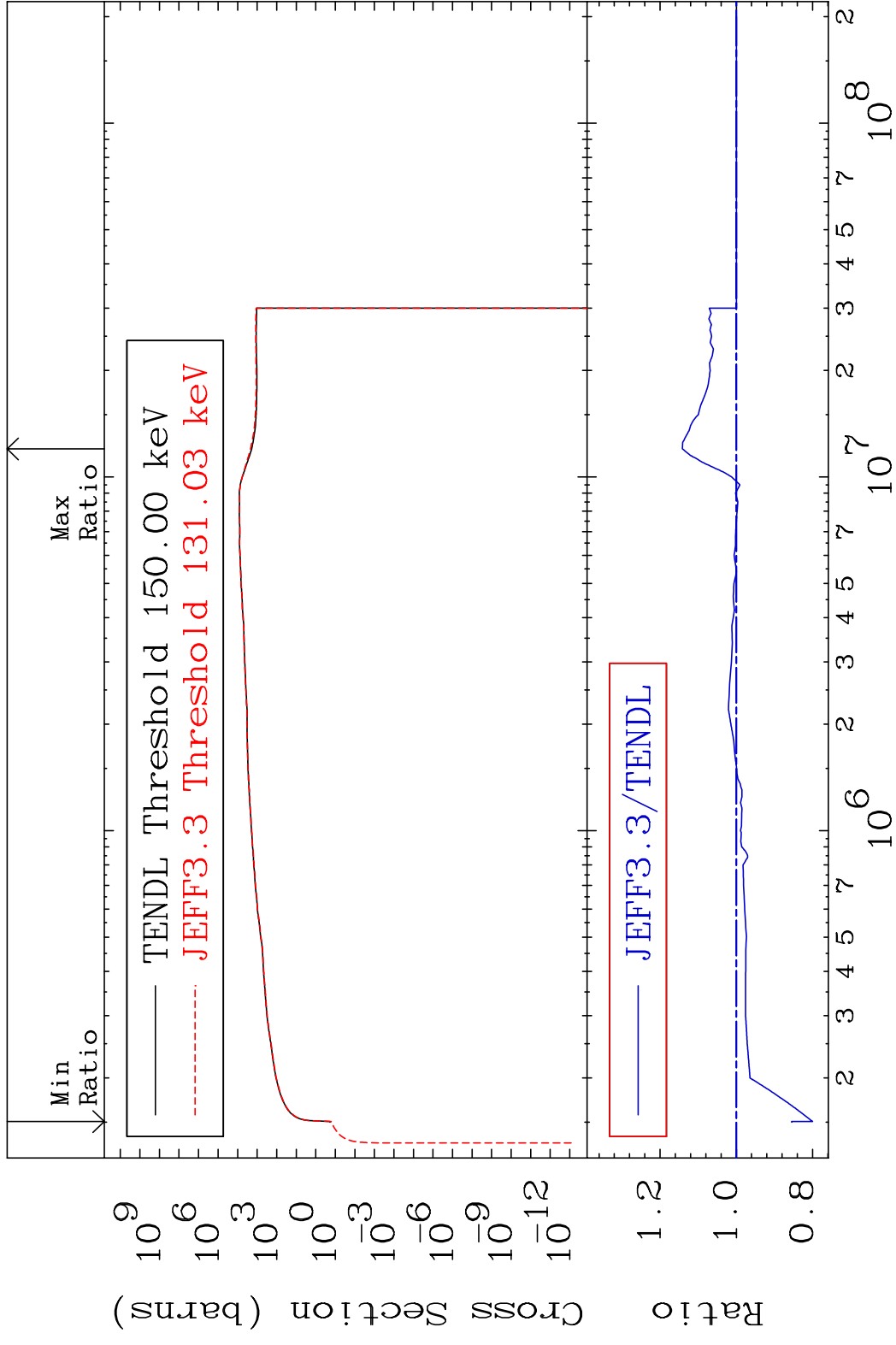


76

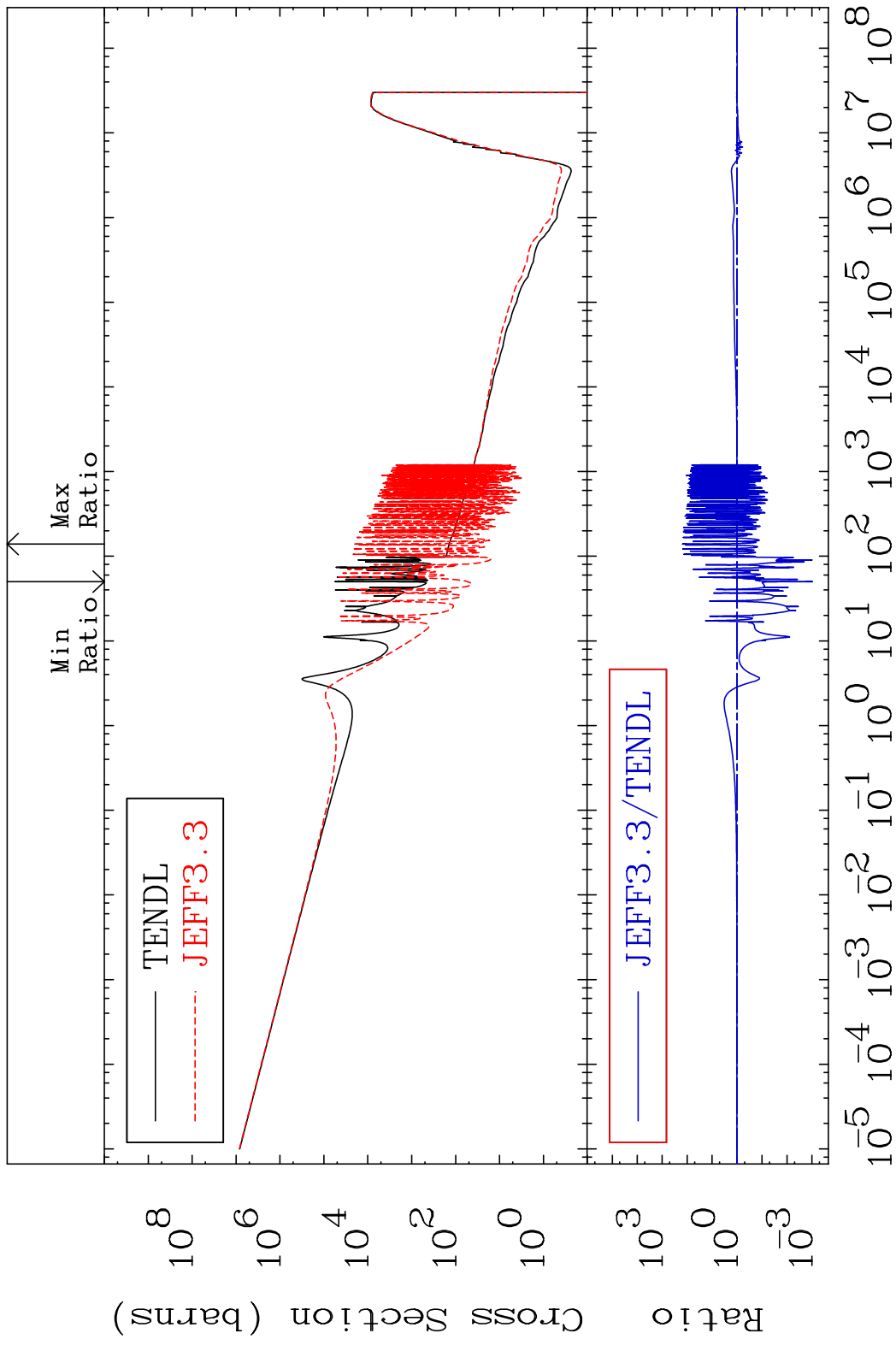
Incident Energy (eV)

45-Rh-105

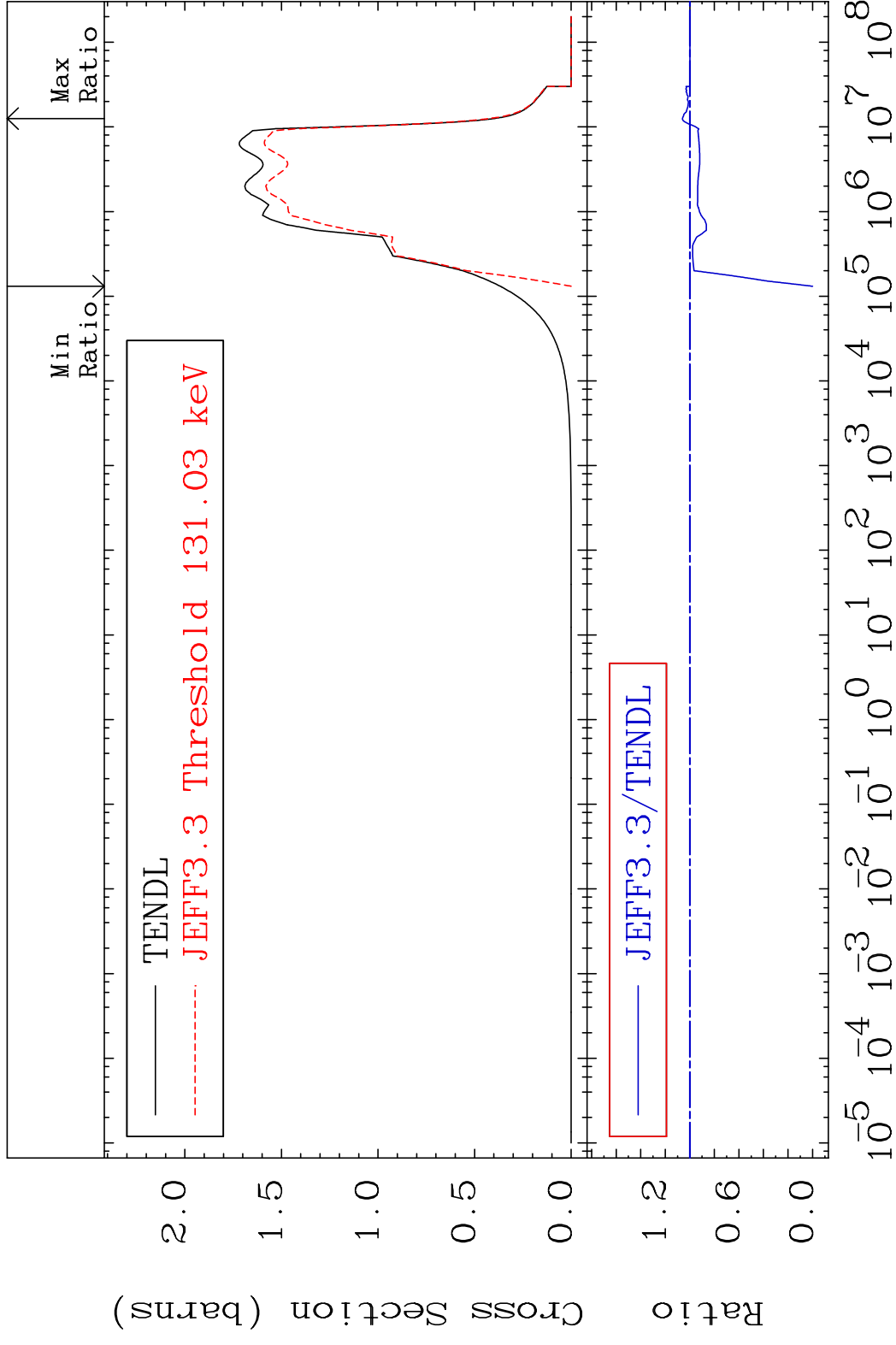
MAT 4531 Dpa inelastic (mt51-91) 45-Rh-105  
 Cross Section -19.98 To 14.16 %



MAT 4531 Dpa disappearance (mt102 -120) 45-Rh-105  
 Cross Section -99.91 To 9999. %



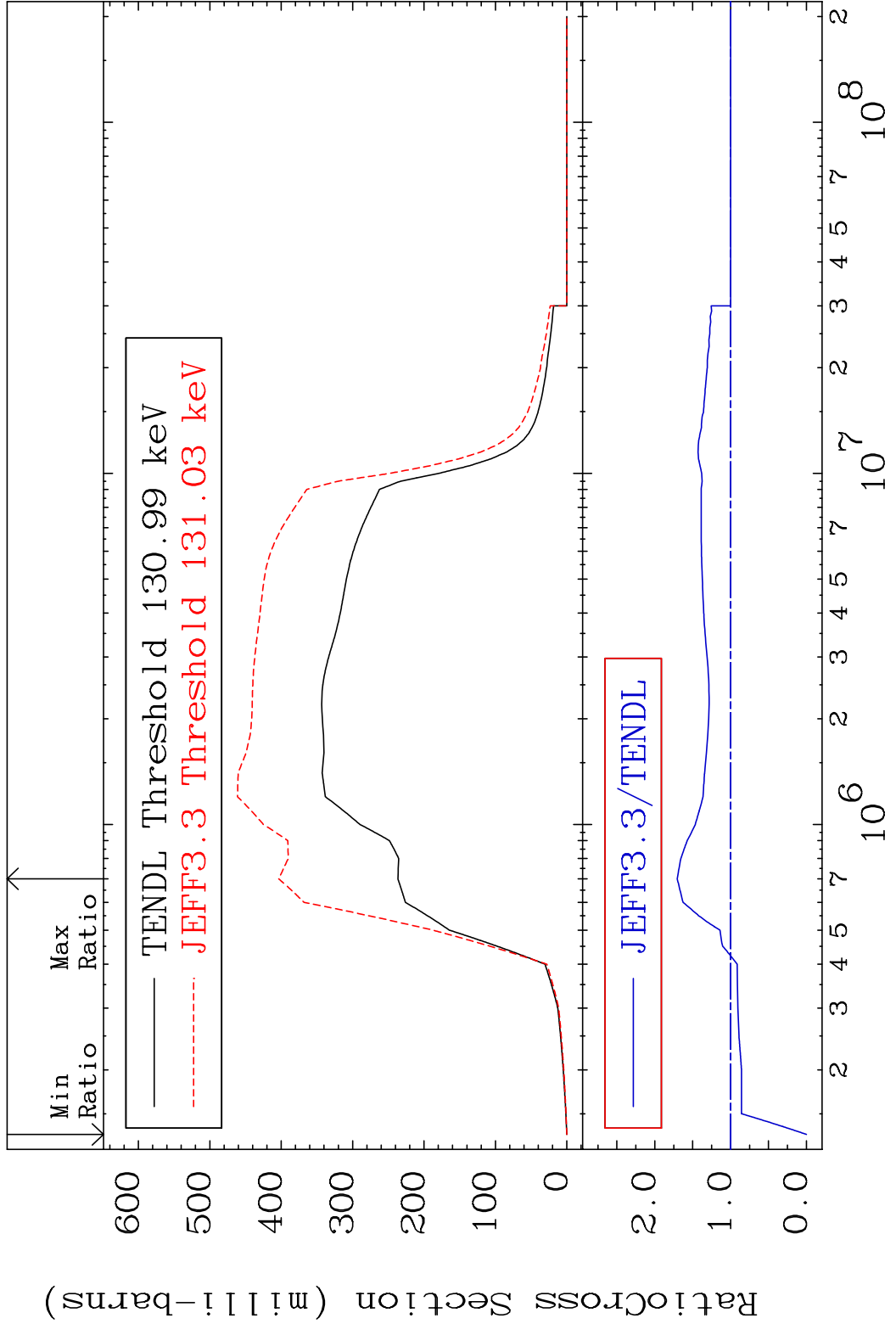
MAT 4531 Inelastic:45-Rh-105g 45-Rh-105  
 Radionuclide Production Cross Section 180.01 dth 6.076 %



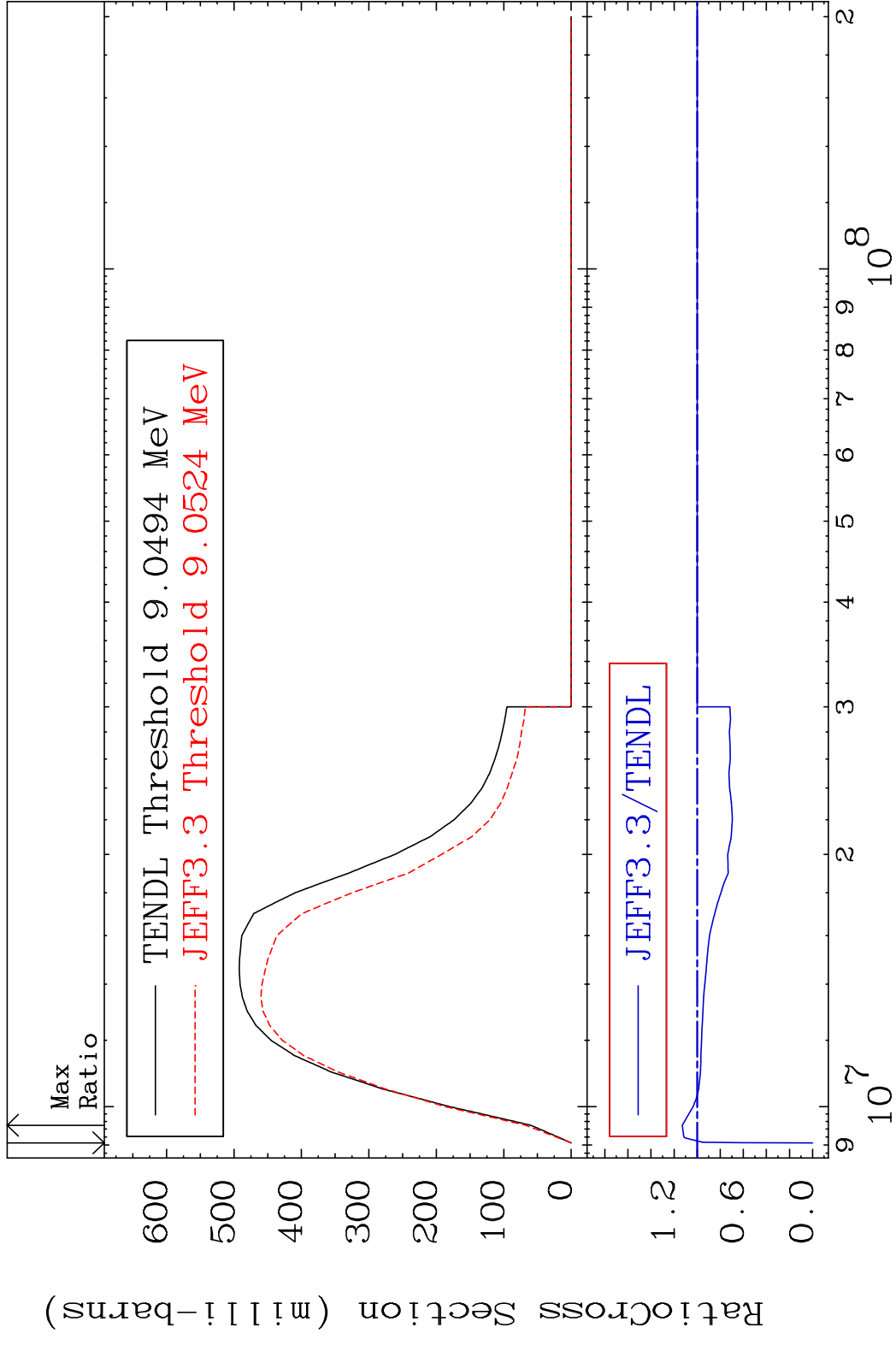
79 Incident Energy (eV) 45-Rh-105



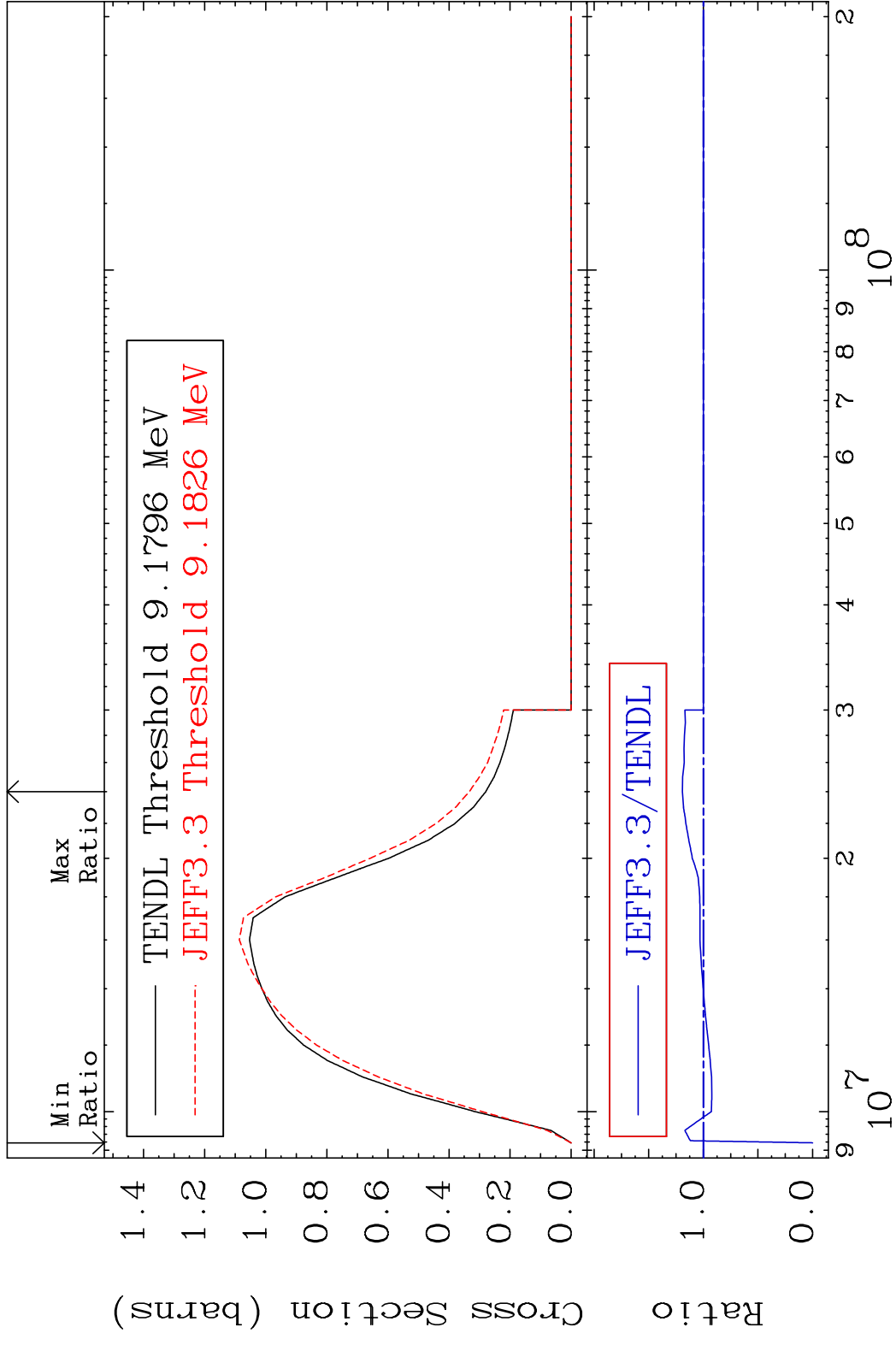
MAT 4531 Inelastic:45-Rh-105m1 45-Rh-105  
 Radionuclide Production Cross Section 180.01 dno 70.46 %



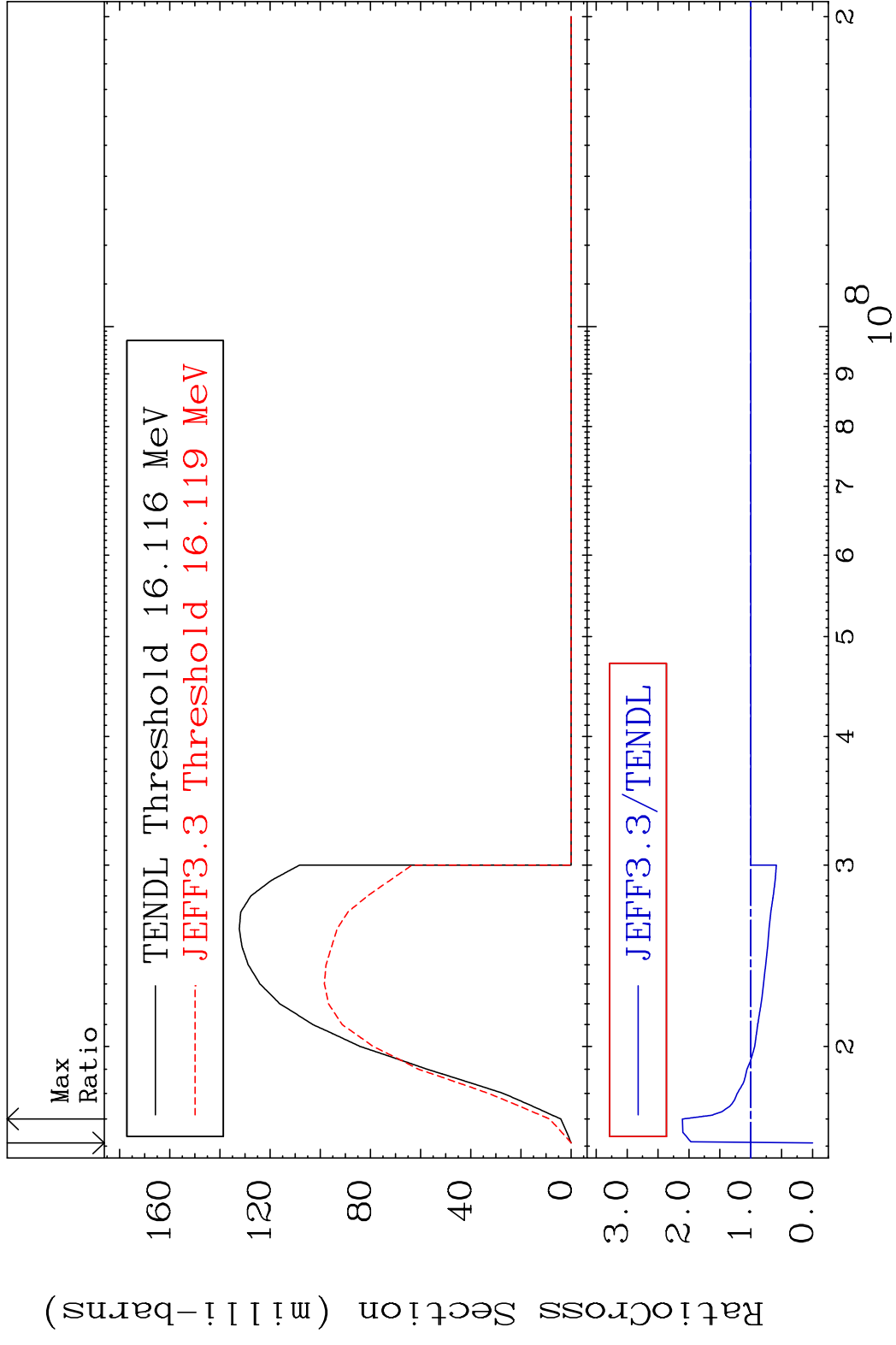
MAT 4531 (n,2n):45-Rh-104g 45-Rh-105  
 Radionuclide Production Cross Section 180.01 dpo 12.82 %



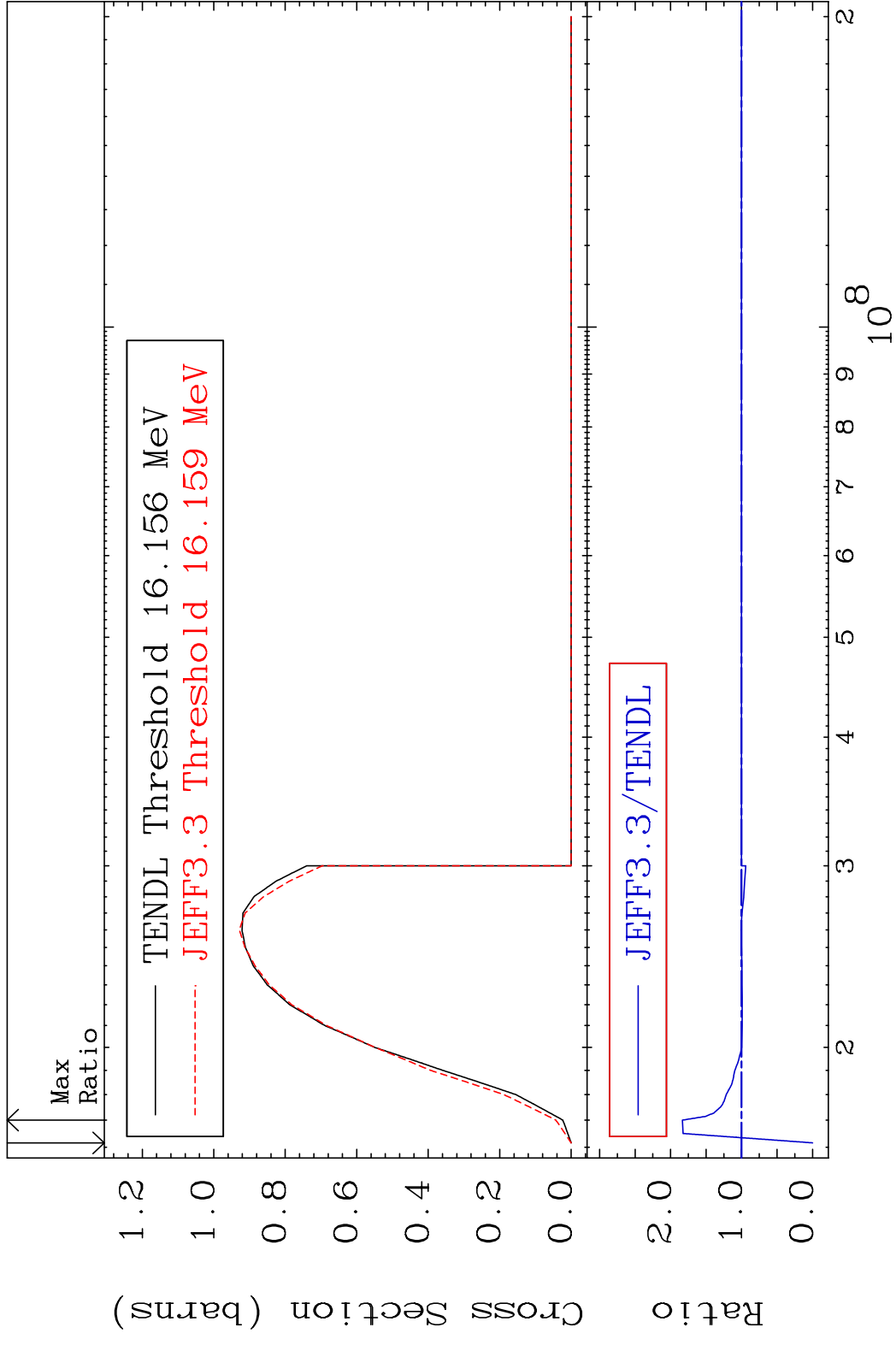
MAT 4531 (n, 2n) : 45-Rh-104m3 45-Rh-105  
 Radionuclide Production Cross Section Ratio 19.22 %



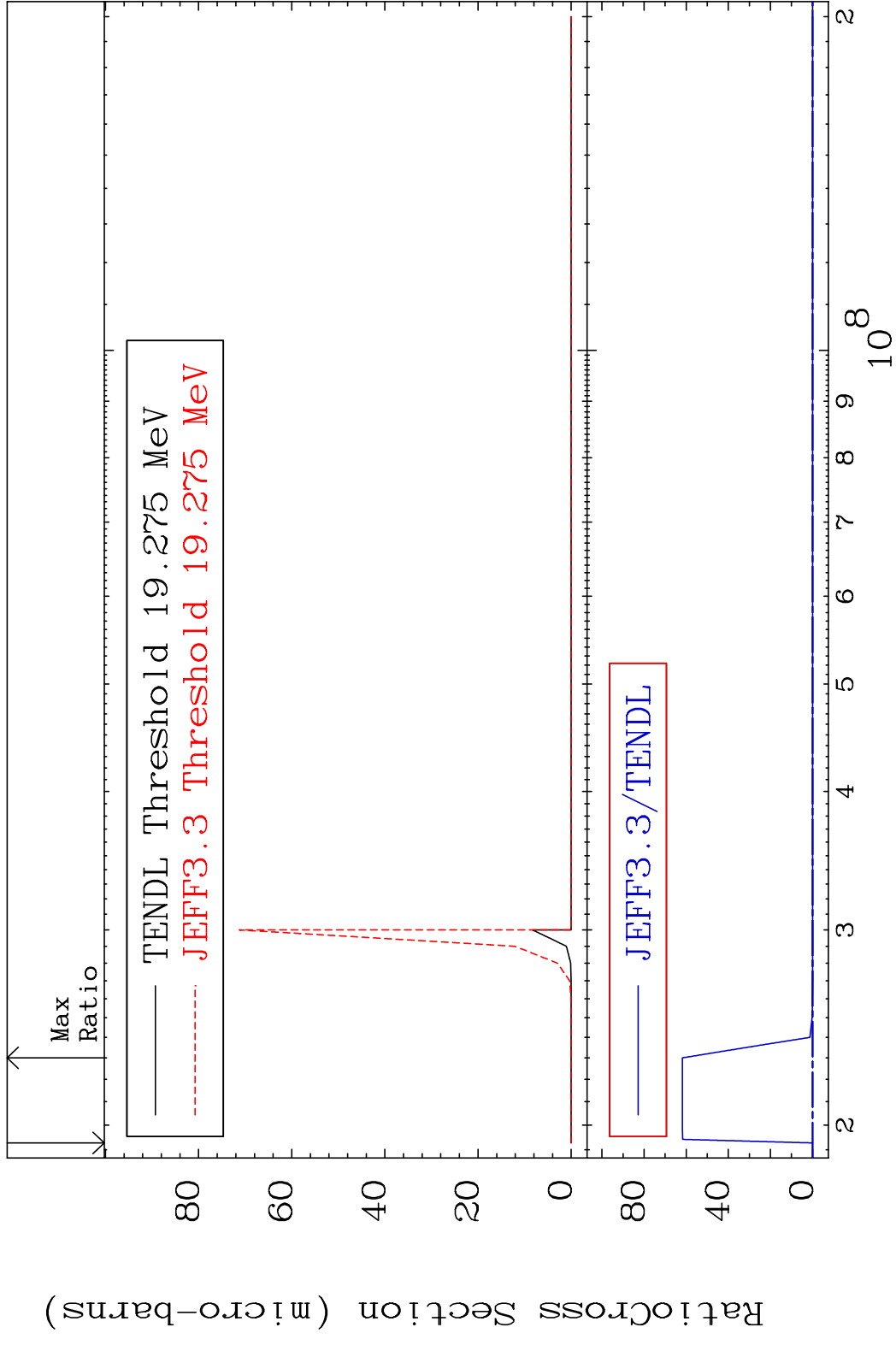
MAT 4531 (n,3n):45-Rh-103g 45-Rh-105  
 Radionuclide Production Cross Section 180.0 dth 110.6 %



MAT 4531 (n, 3n) : 45-Rh-103m1 45-Rh-105  
 Radionuclide Production Cross Section Ratio 83.40 %

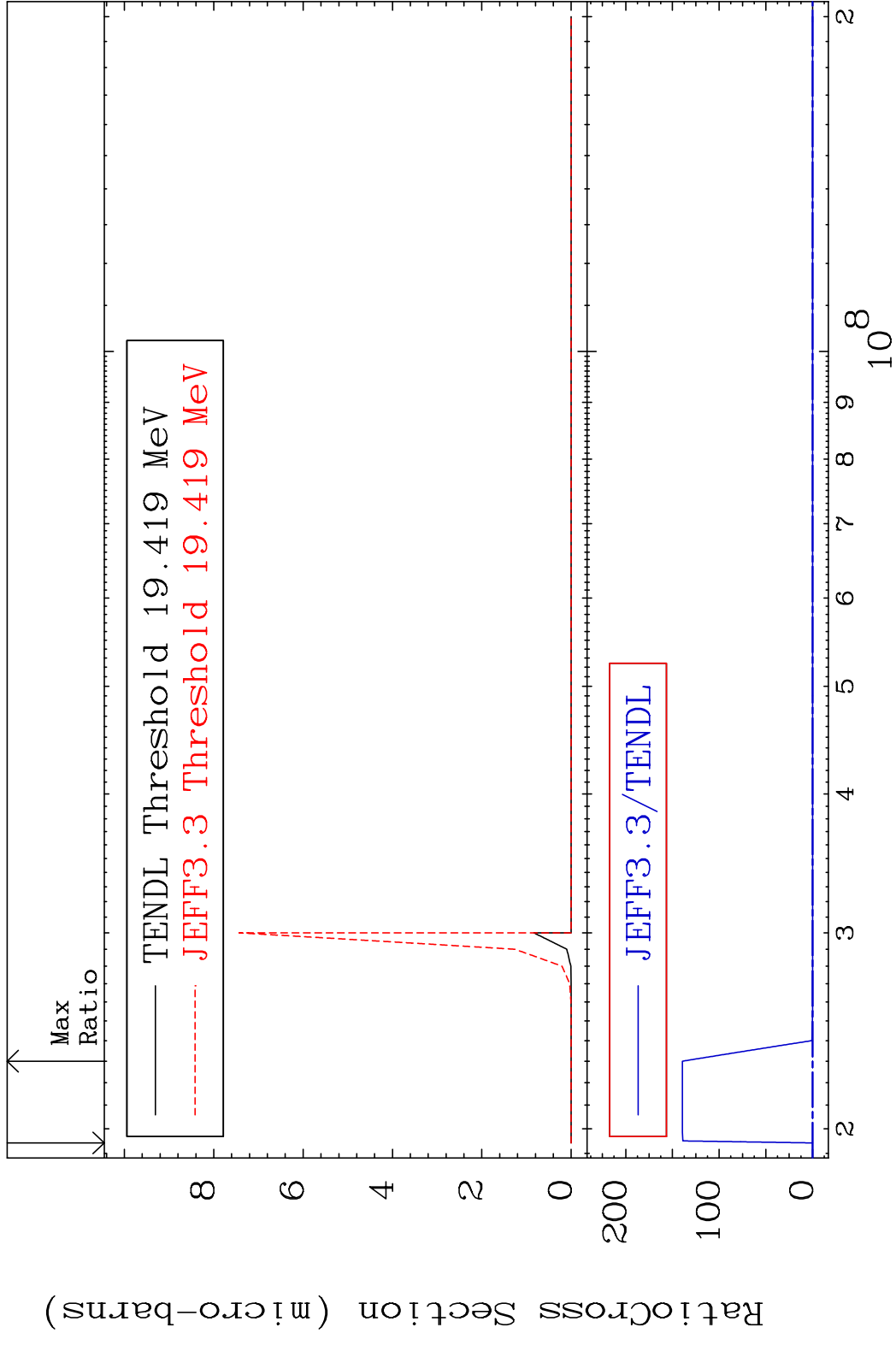


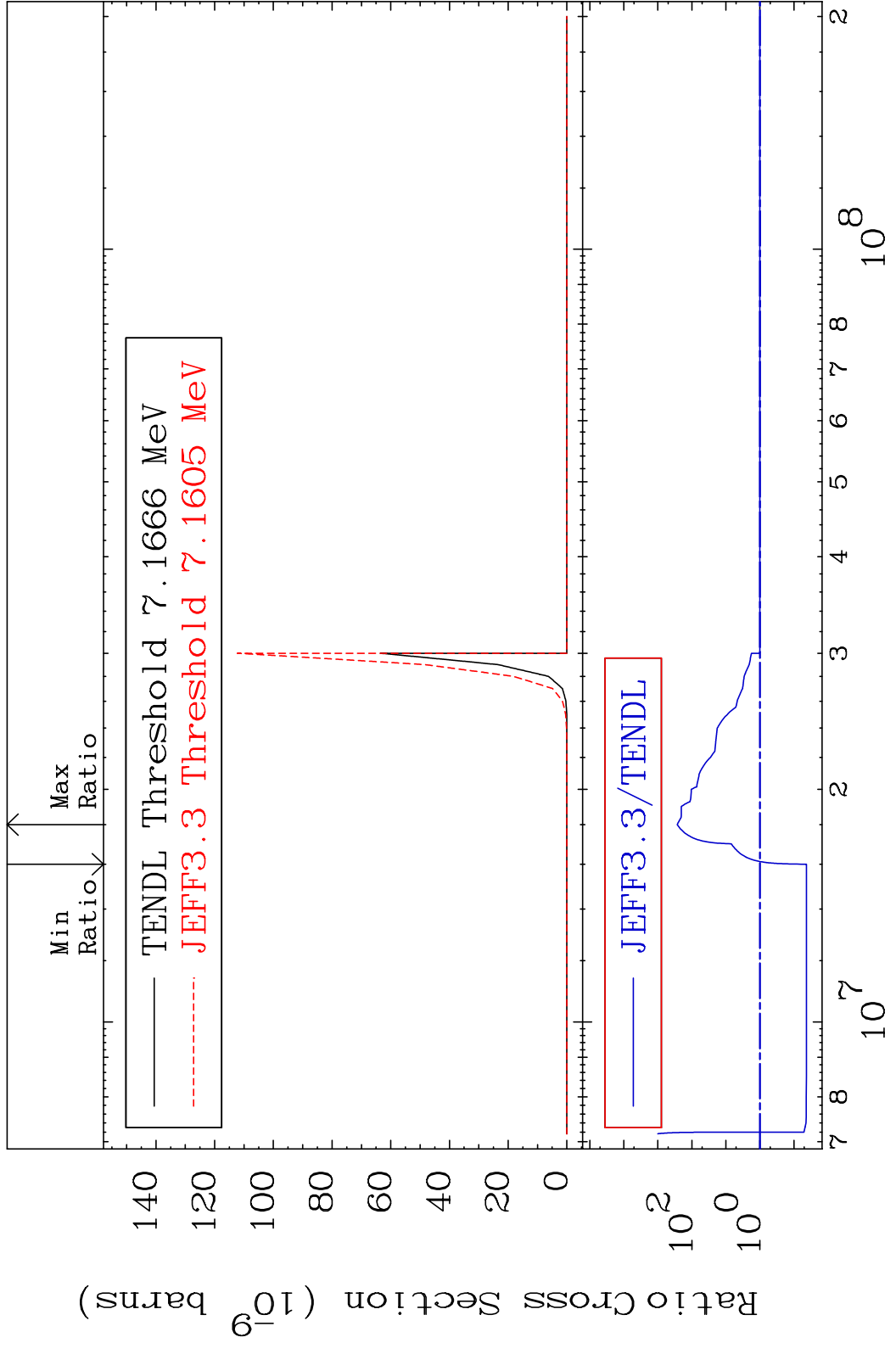
MAT 4531 (n,3n)  $\alpha$ :43-Tc-99g 45-Rh-105  
 Radionuclide Production Cross Section (%)



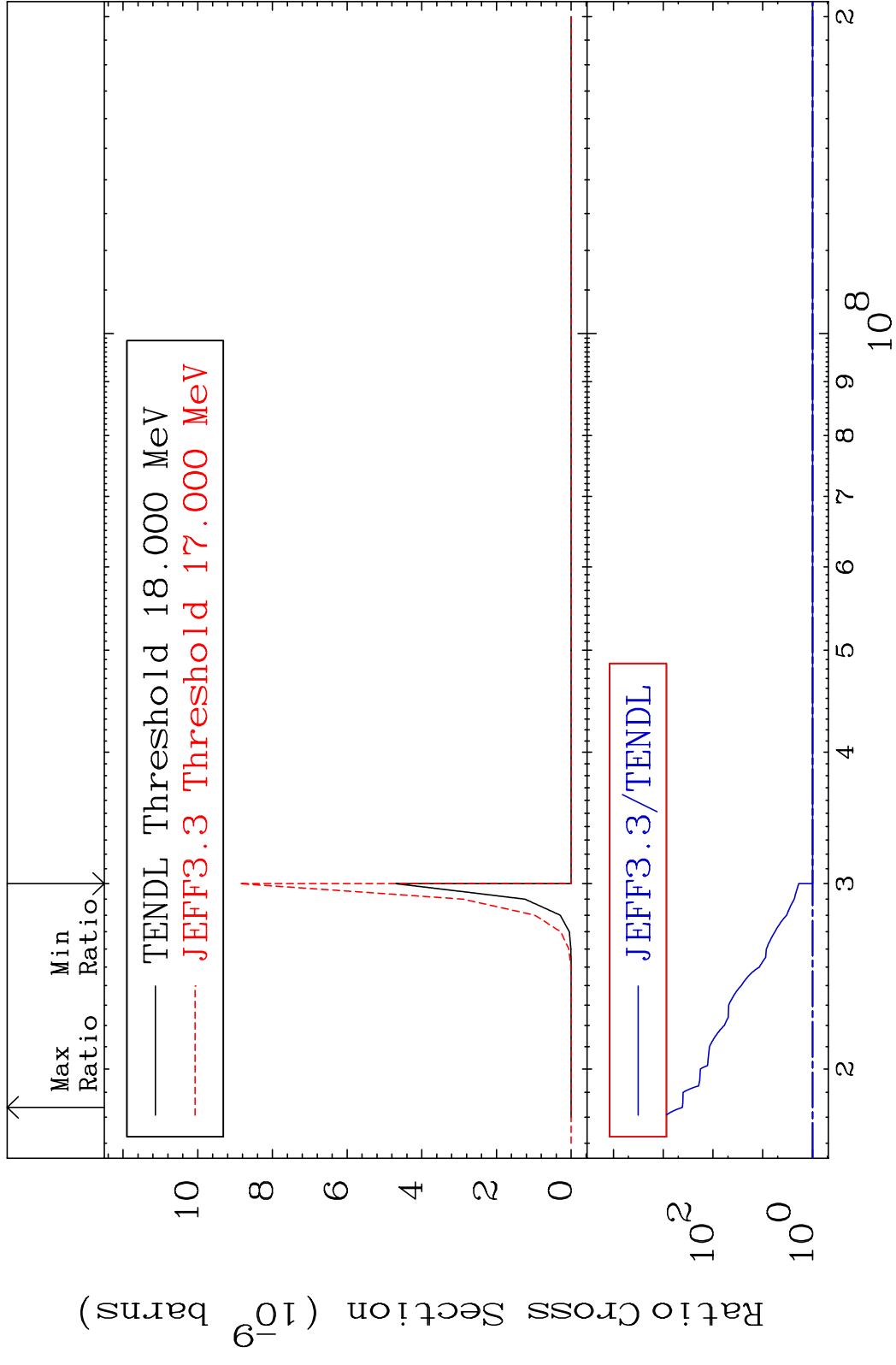
85 Incident Energy (eV) 45-Rh-105

MAT 4531 (n,3n)  $\alpha$ :43-Tc-99m2 45-Rh-105  
 Radionuclide Production Cross Section (%)

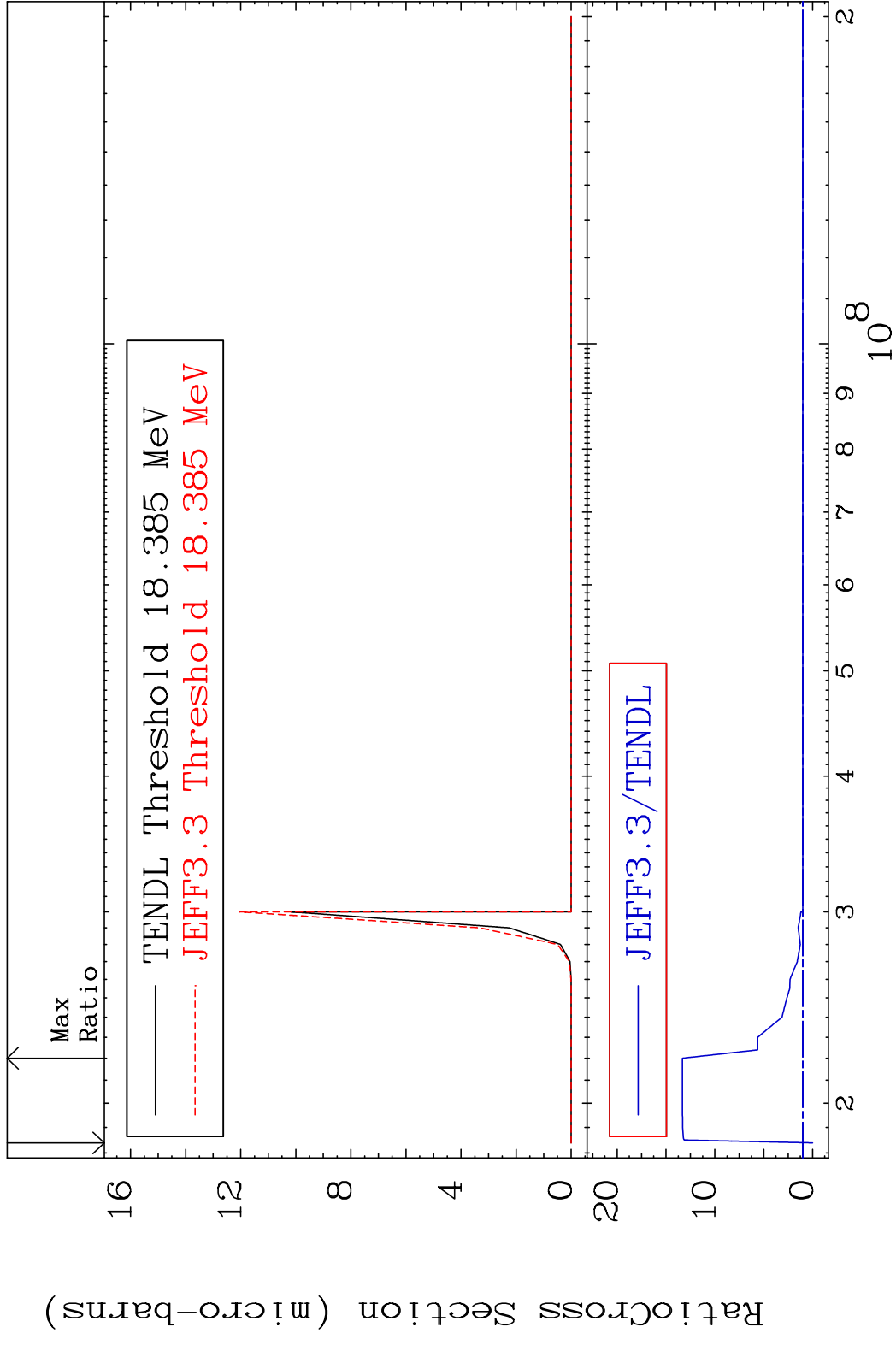




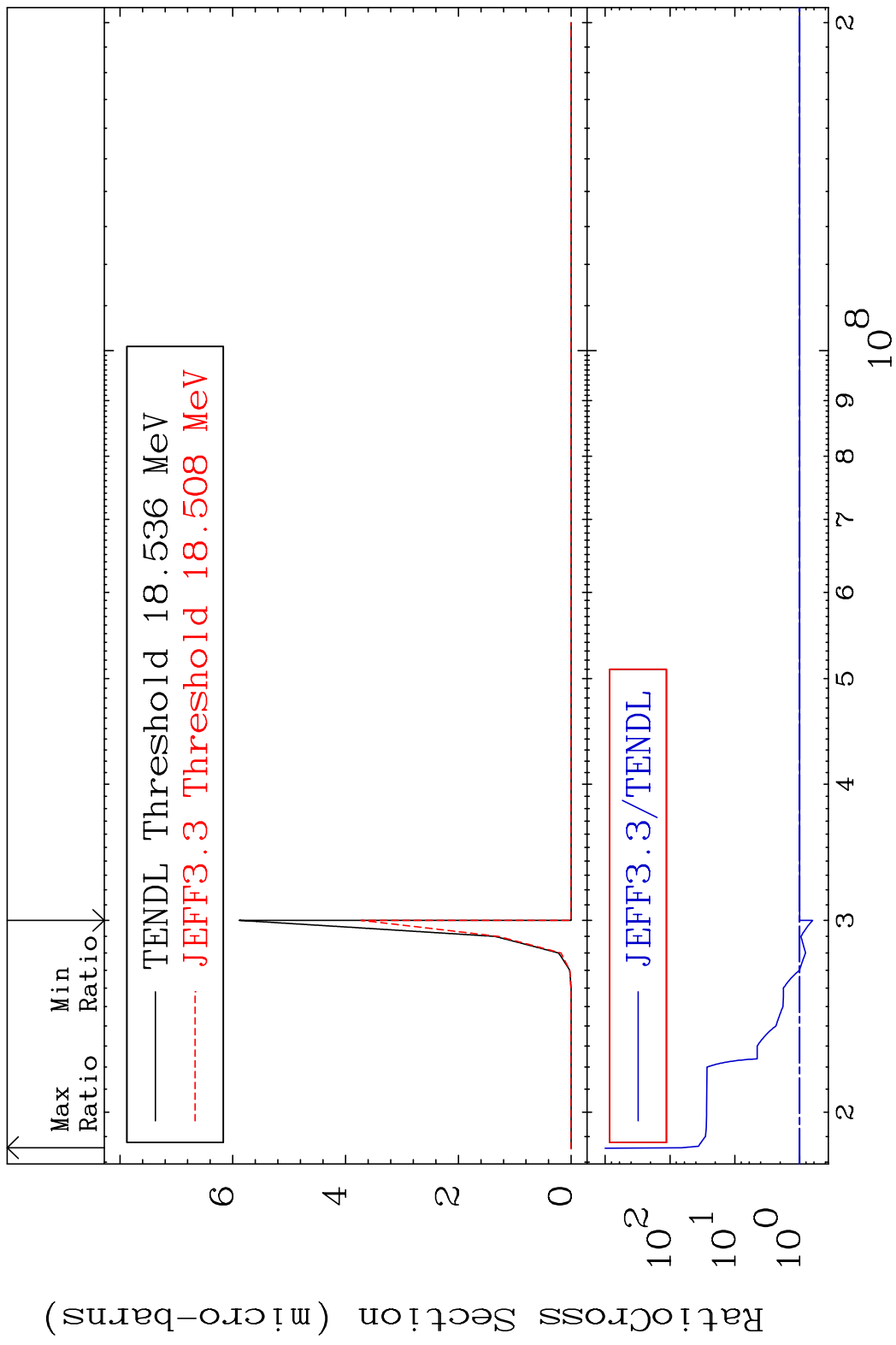




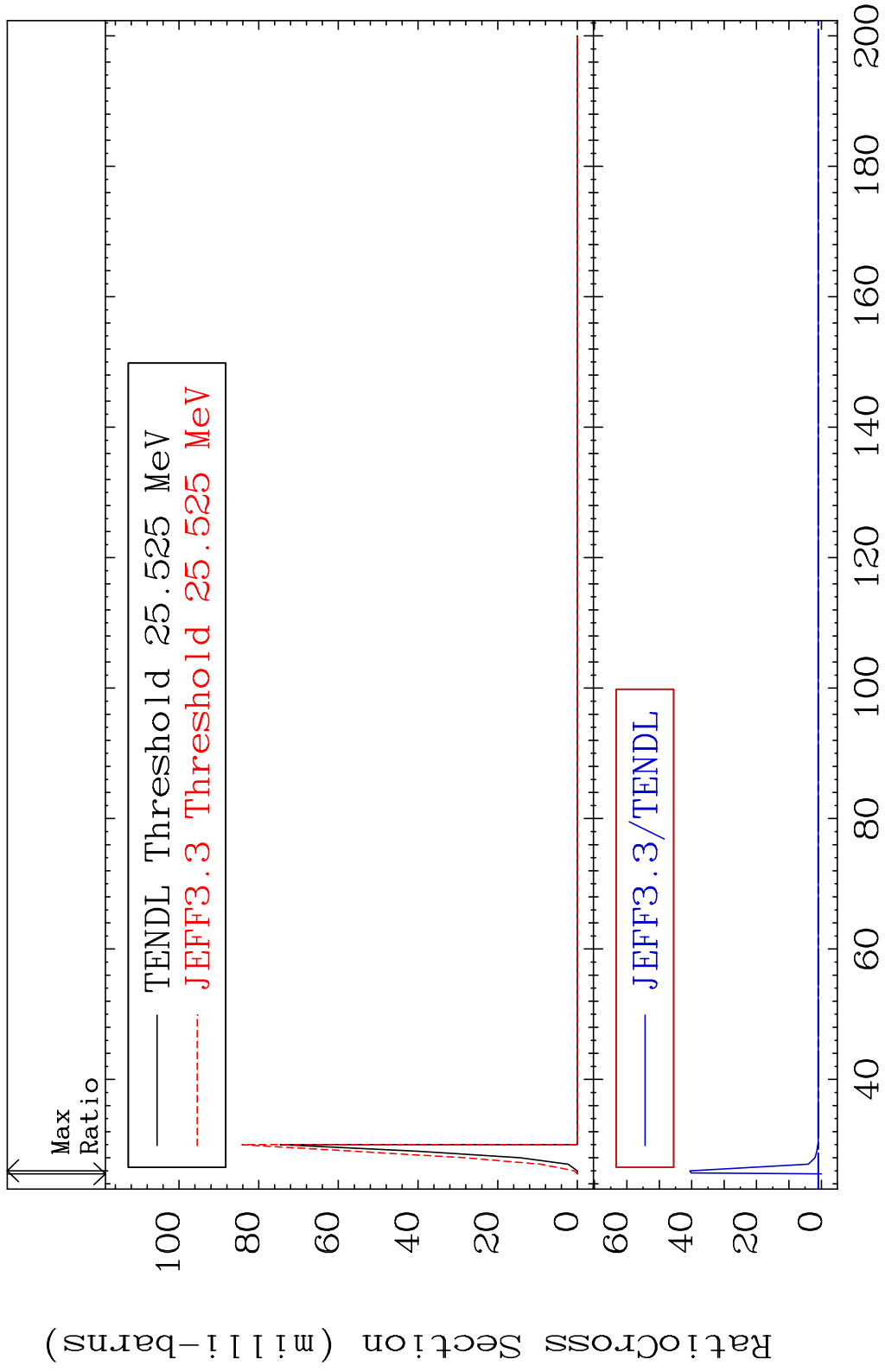
MAT 4531 (n, n') He-3:43-Tc-102g 45-Rh-105  
 Radionuclide Production Cross Section 18.385 MeV  
 18.385 MeV 1232. %



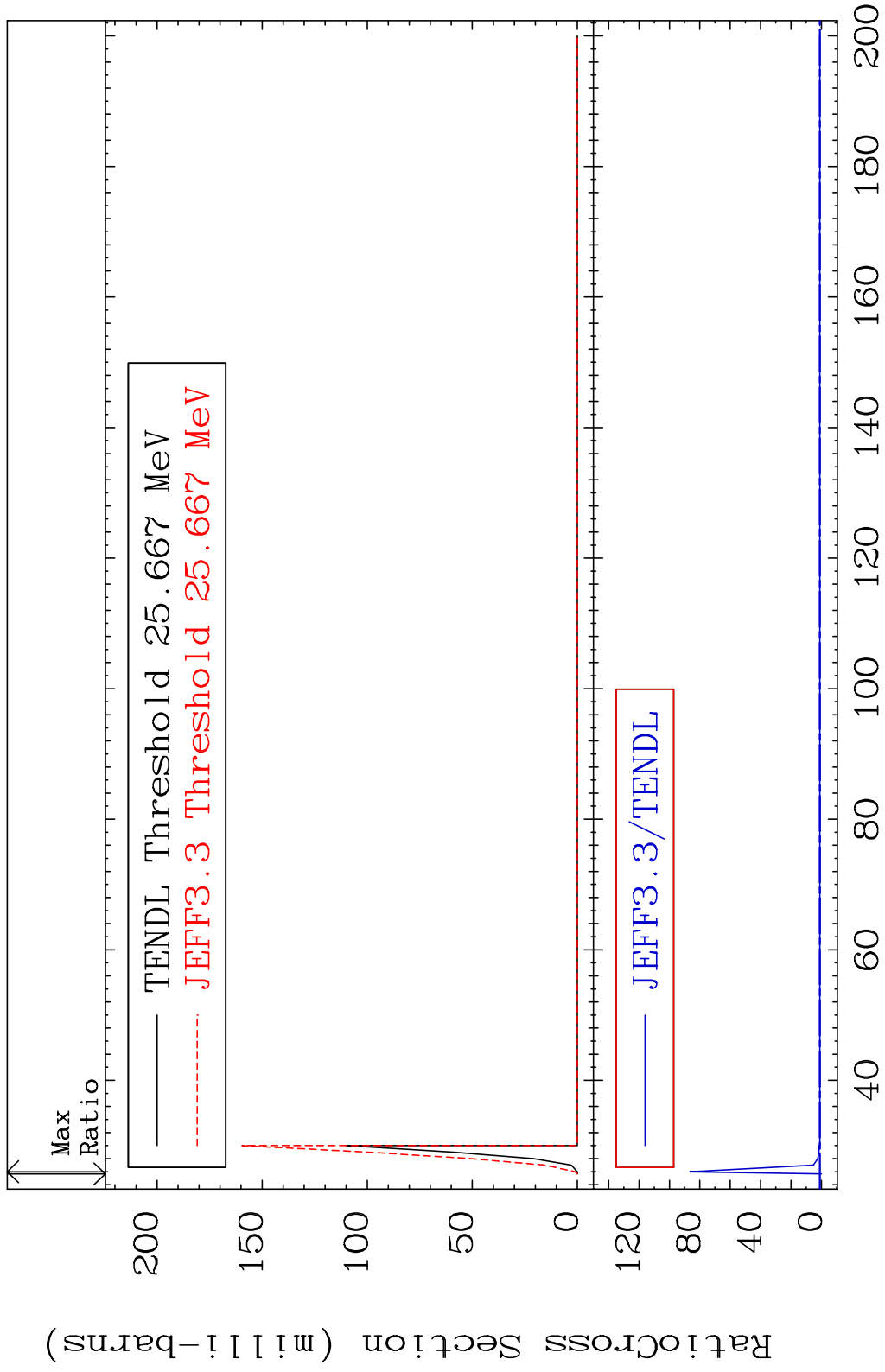
MAT 4531 (n, n') He-3:43-Tc-102m3 45-Rh-105  
 Radionuclide Production Cross Section 6351. %

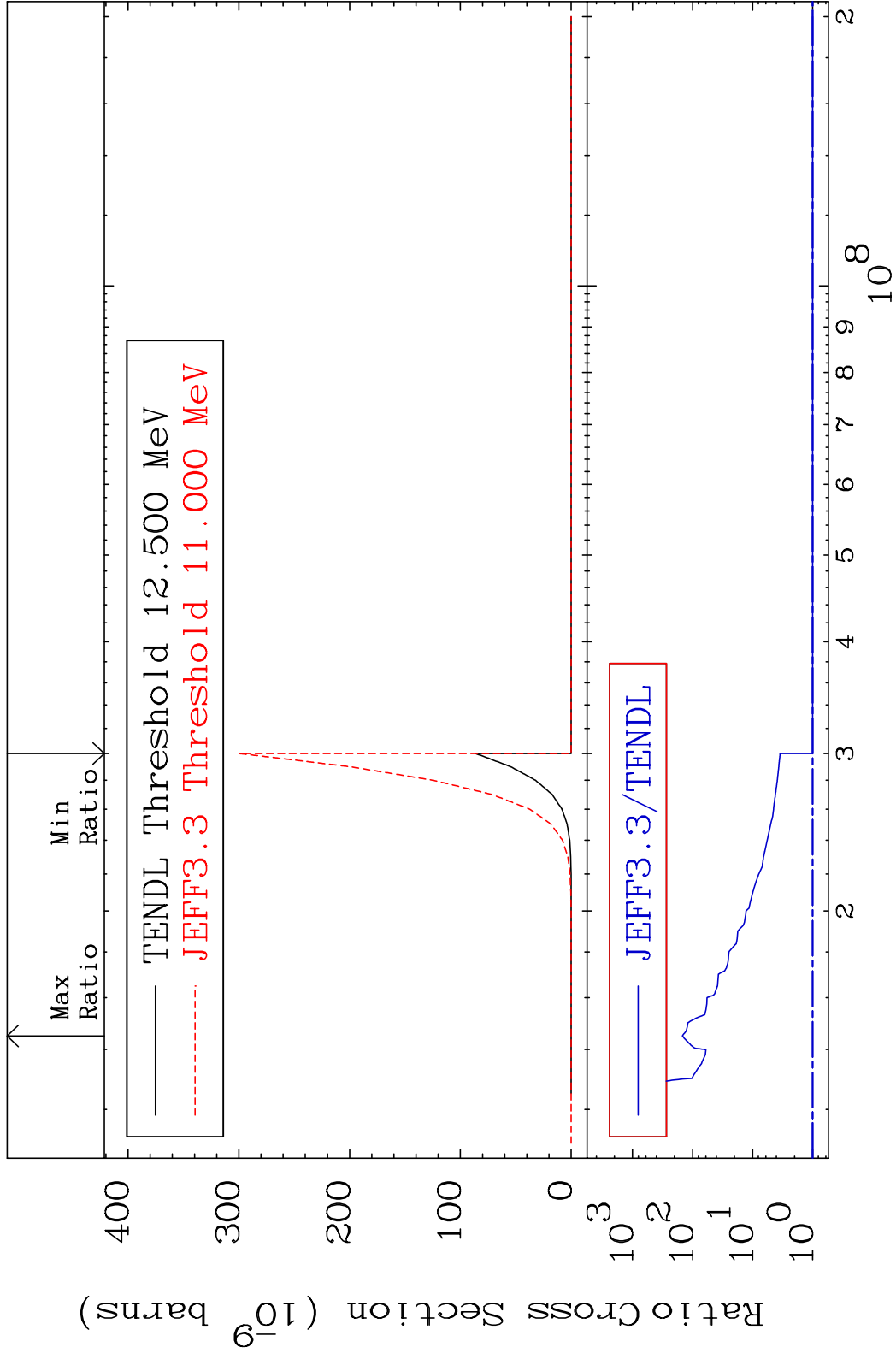


MAT 4531 (n,4n):45-Rh-102g 45-Rh-105  
 Radionuclide Production Cross Section 1800 d to 3959. %

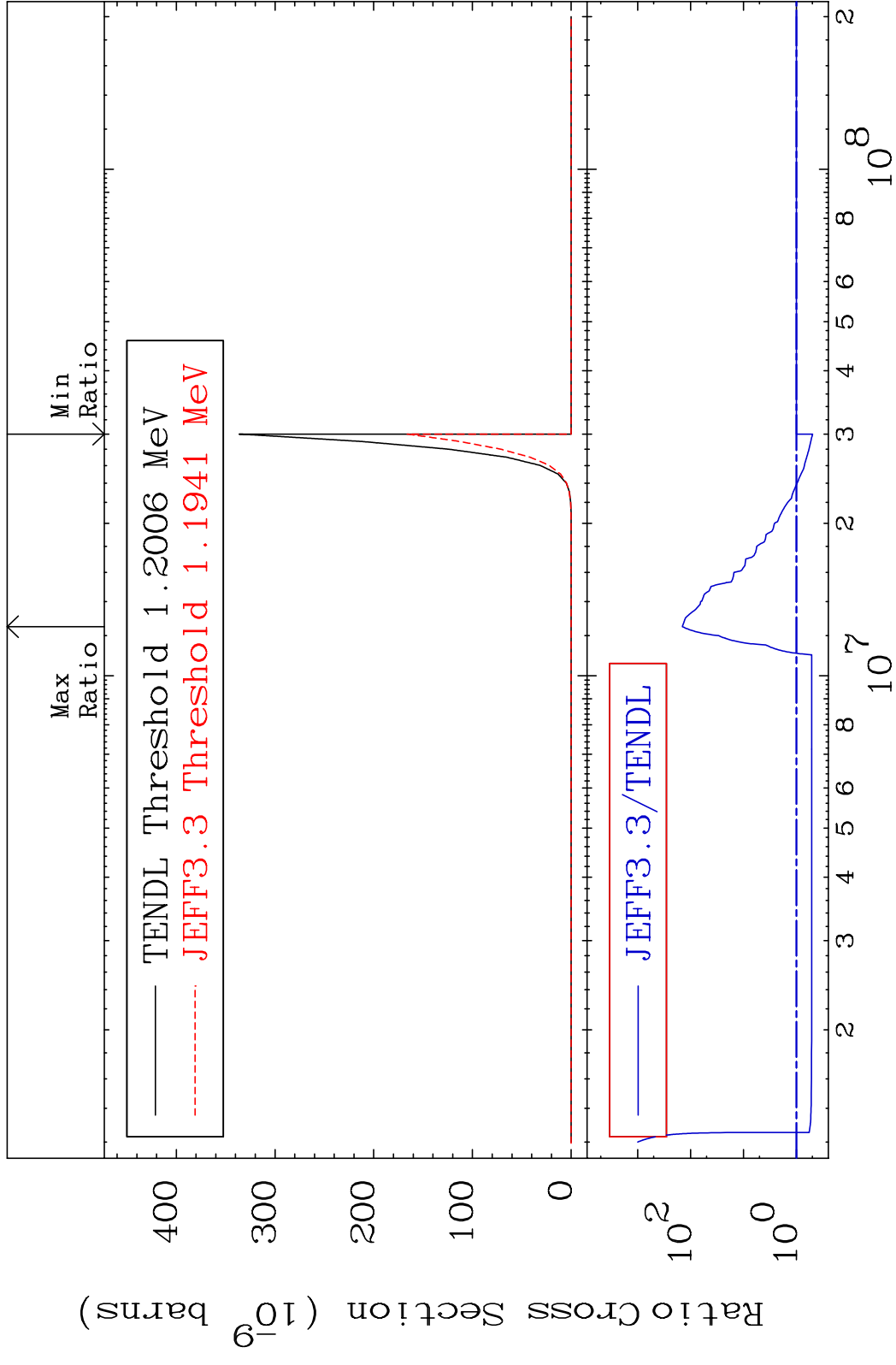


MAT 4531 (n, 4n) : 45-Rh-102m5 45-Rh-105  
 Radionuclide Production Cross Section Ratio 8561. %





MAT 4531 (n,2α):41-Nb-98m1 45-Rh-105  
 Radionuclide Production Cross Section to 9999. %



MAT 4531 (n, p) t:43-Tc-102g 45-Rh-105  
 Radionuclide Production Cross Section Ratio 807.9 %

