

Program Complot  
(Version 2021-1)

by

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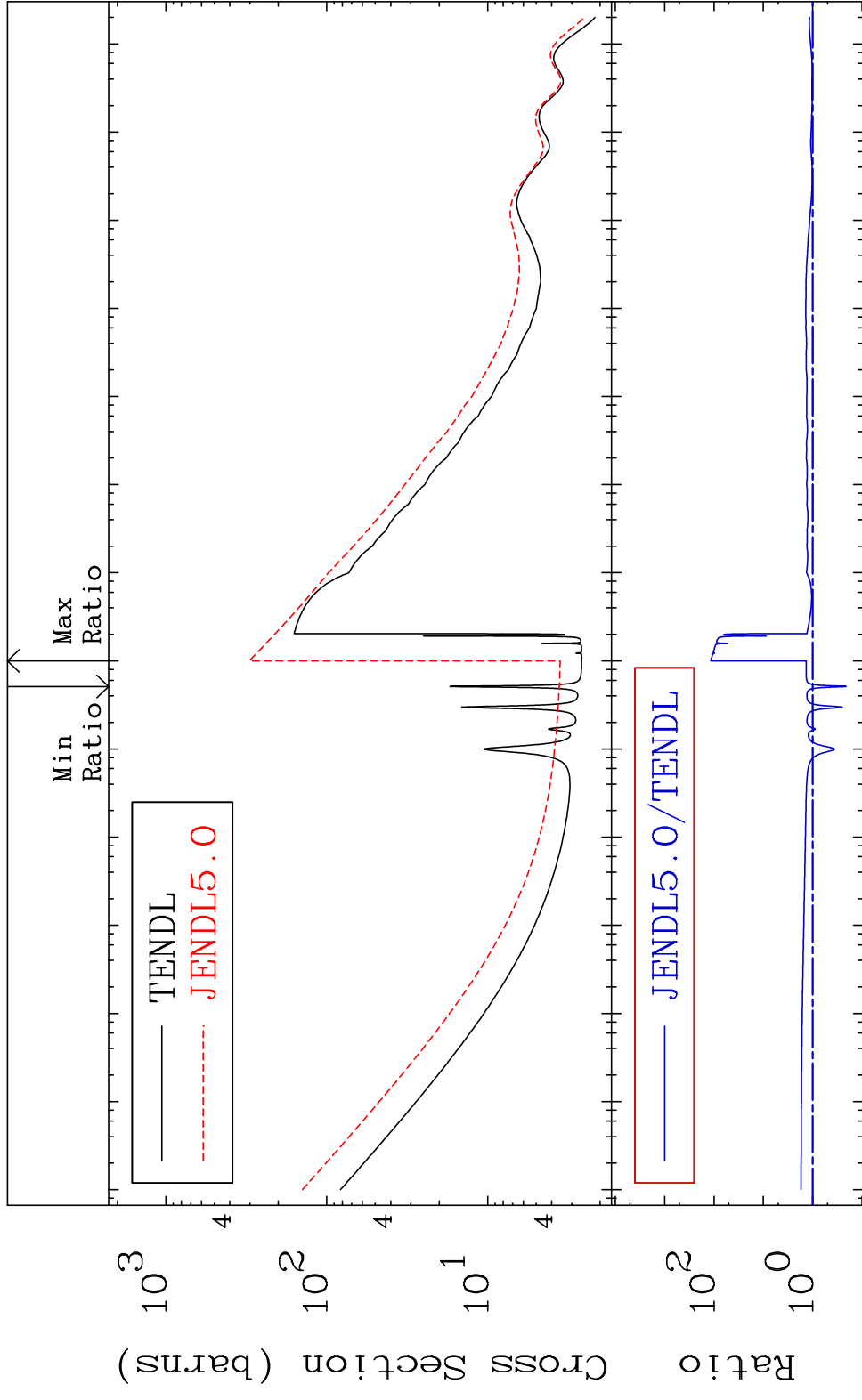
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5635

Total Cross Section -79.11 To 9999. %

56-Ba-133m



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>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>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>

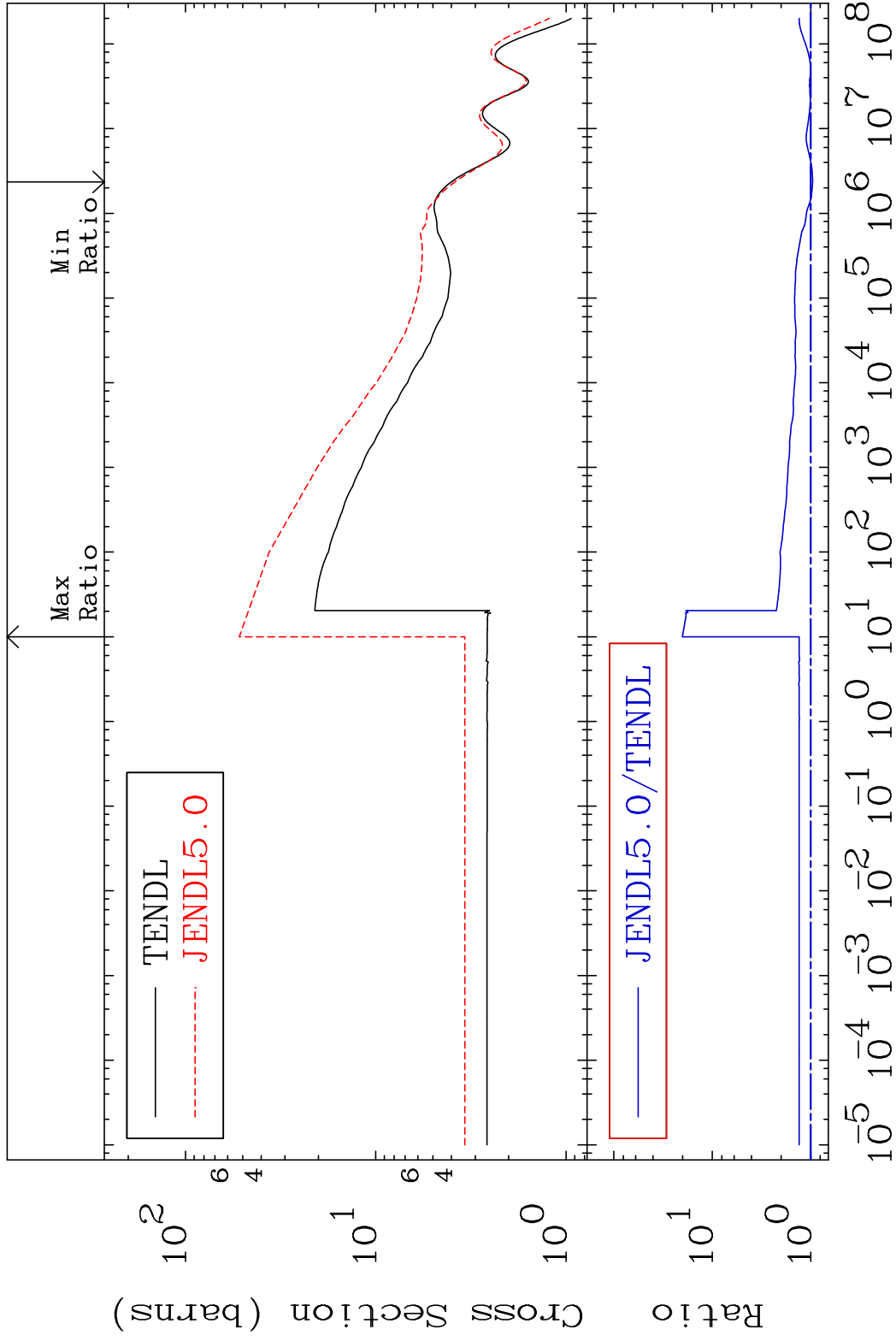
Incident Energy (eV) 56-Ba-133m

MAT 5635

Elastic

56-Ba-133m

Cross Section -4.281 To 1909. %



2

Incident Energy (eV)

56-Ba-133m

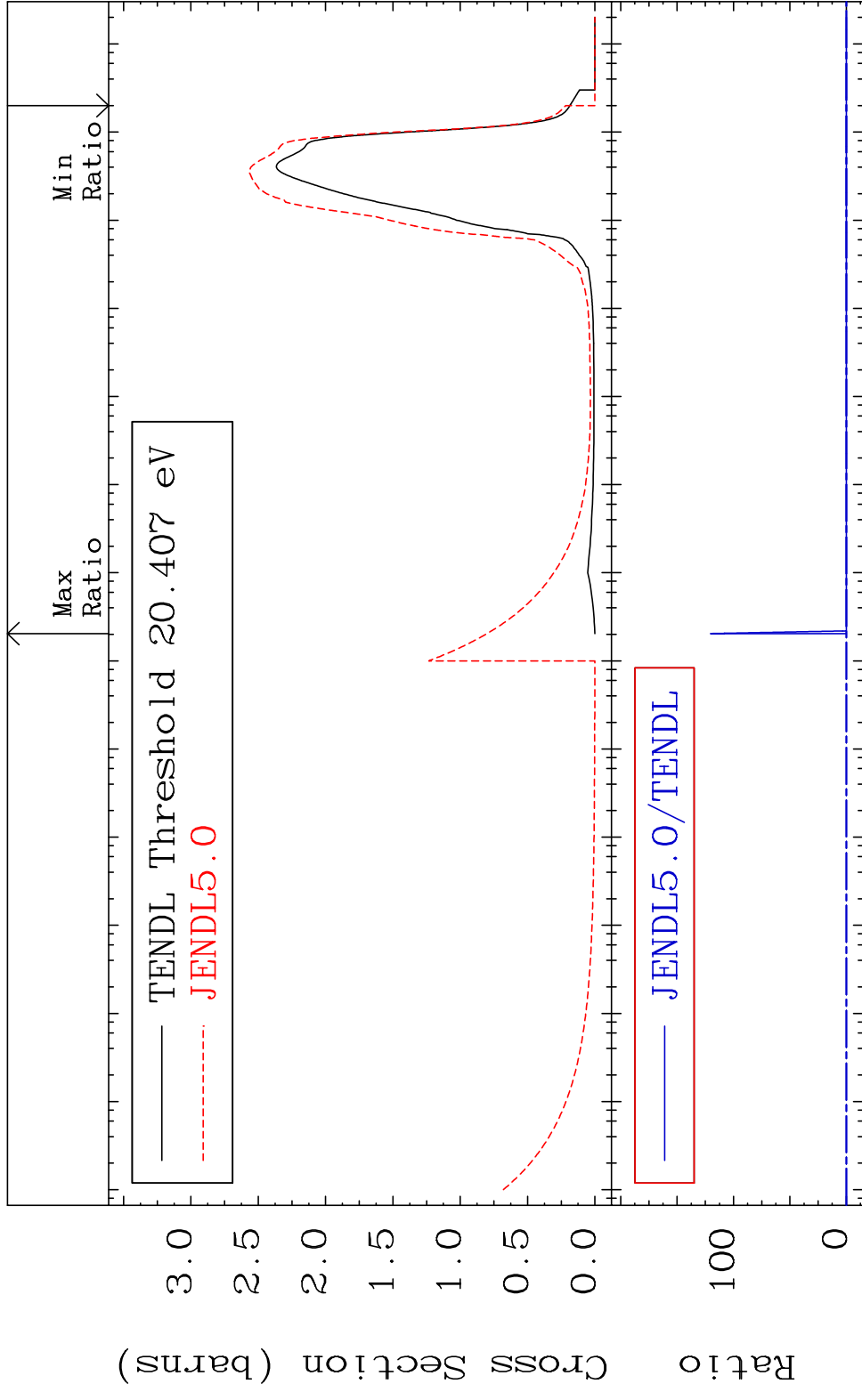
MAT 5635

Inelastic

56-Ba-133m

Cross Section

-100.0 To 9999. %

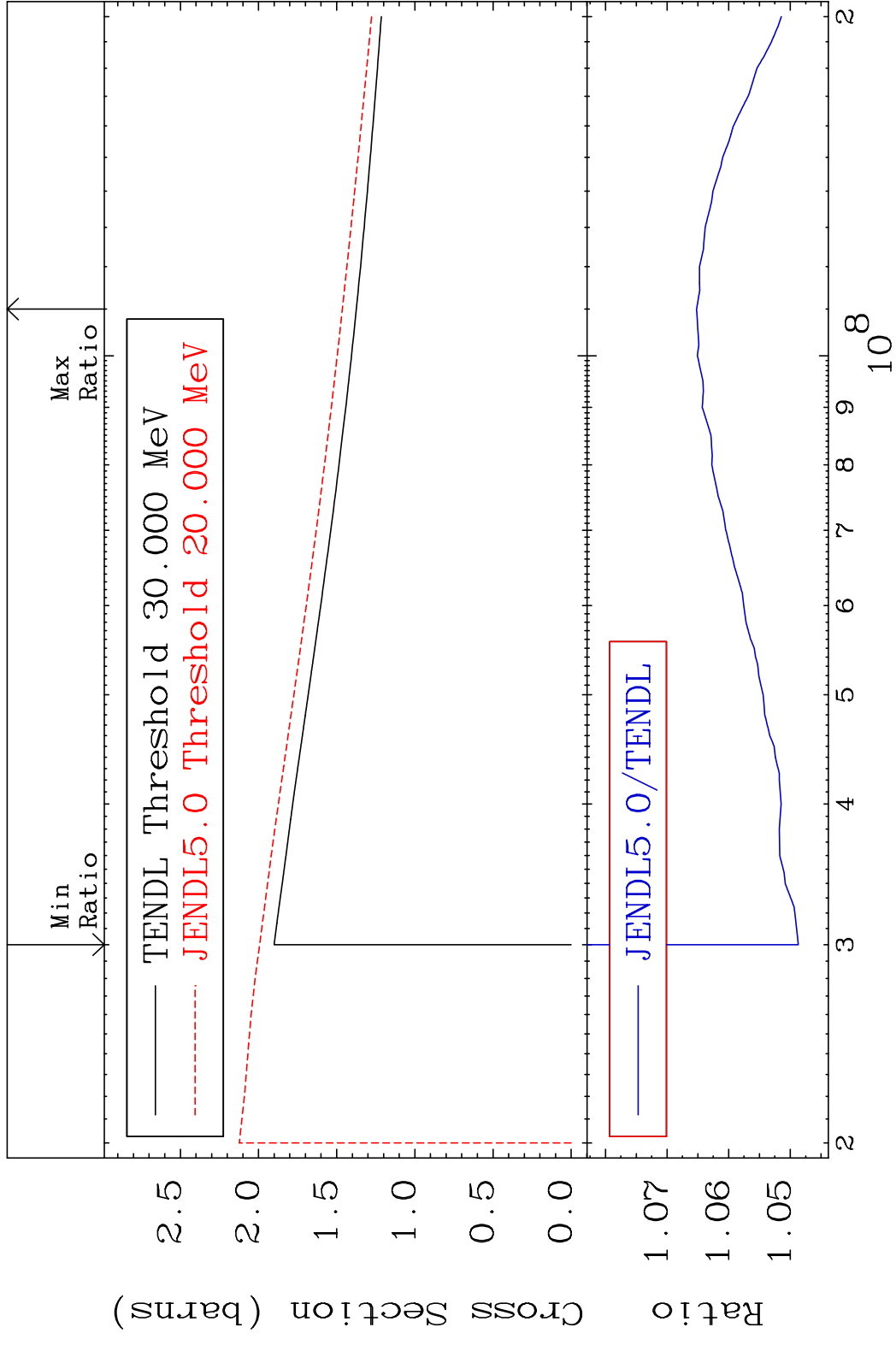


3

Incident Energy (eV)

56-Ba-133m

MAT 5635 (n, remainder) 56-Ba-133m  
 Cross Section 4.870 To 6.520 %



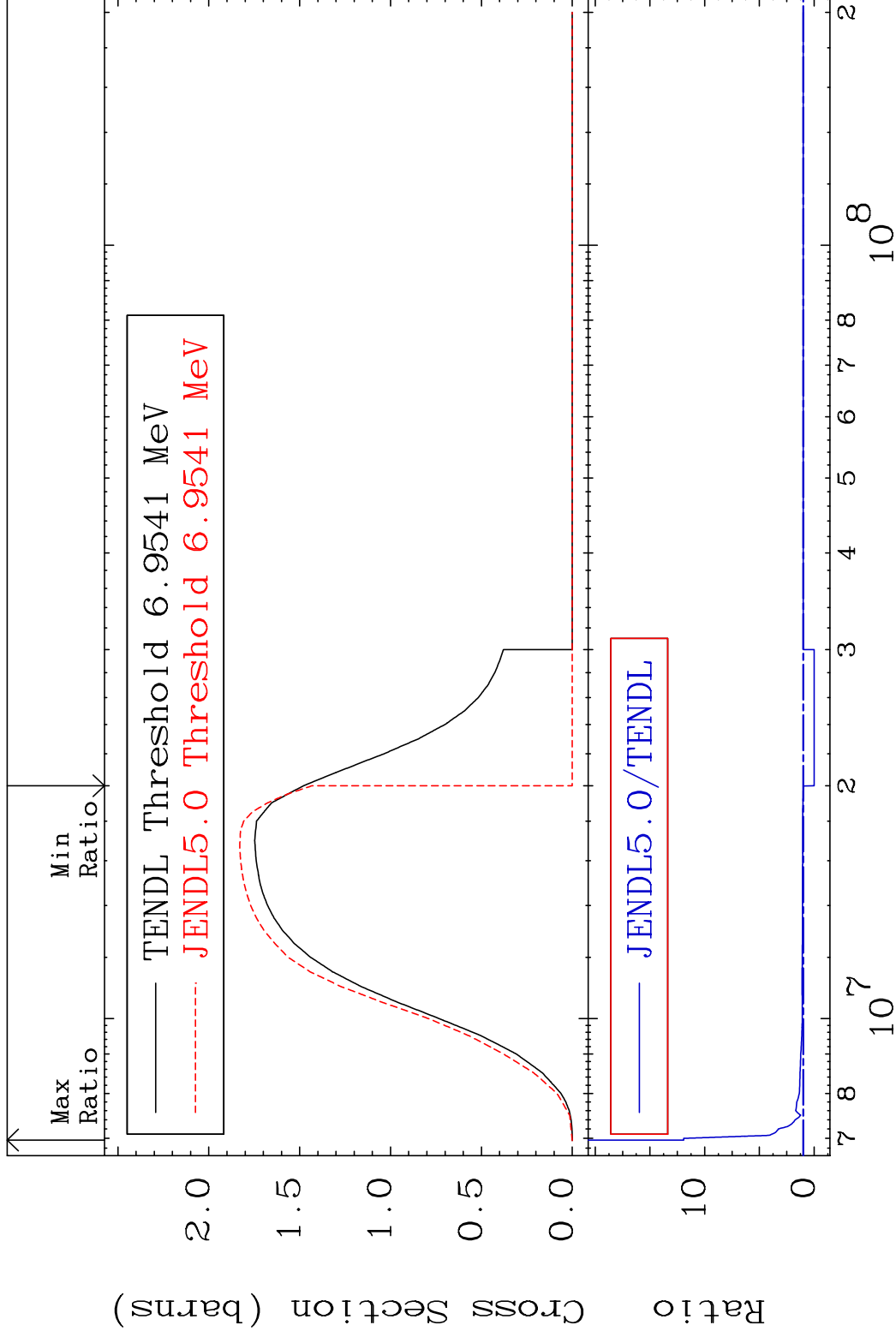
4 Incident Energy (eV) 56-Ba-133m

MAT 5635

(n,2n)

56-Ba-133m

Cross Section -100.0 To 1092. %



5

Incident Energy (eV)

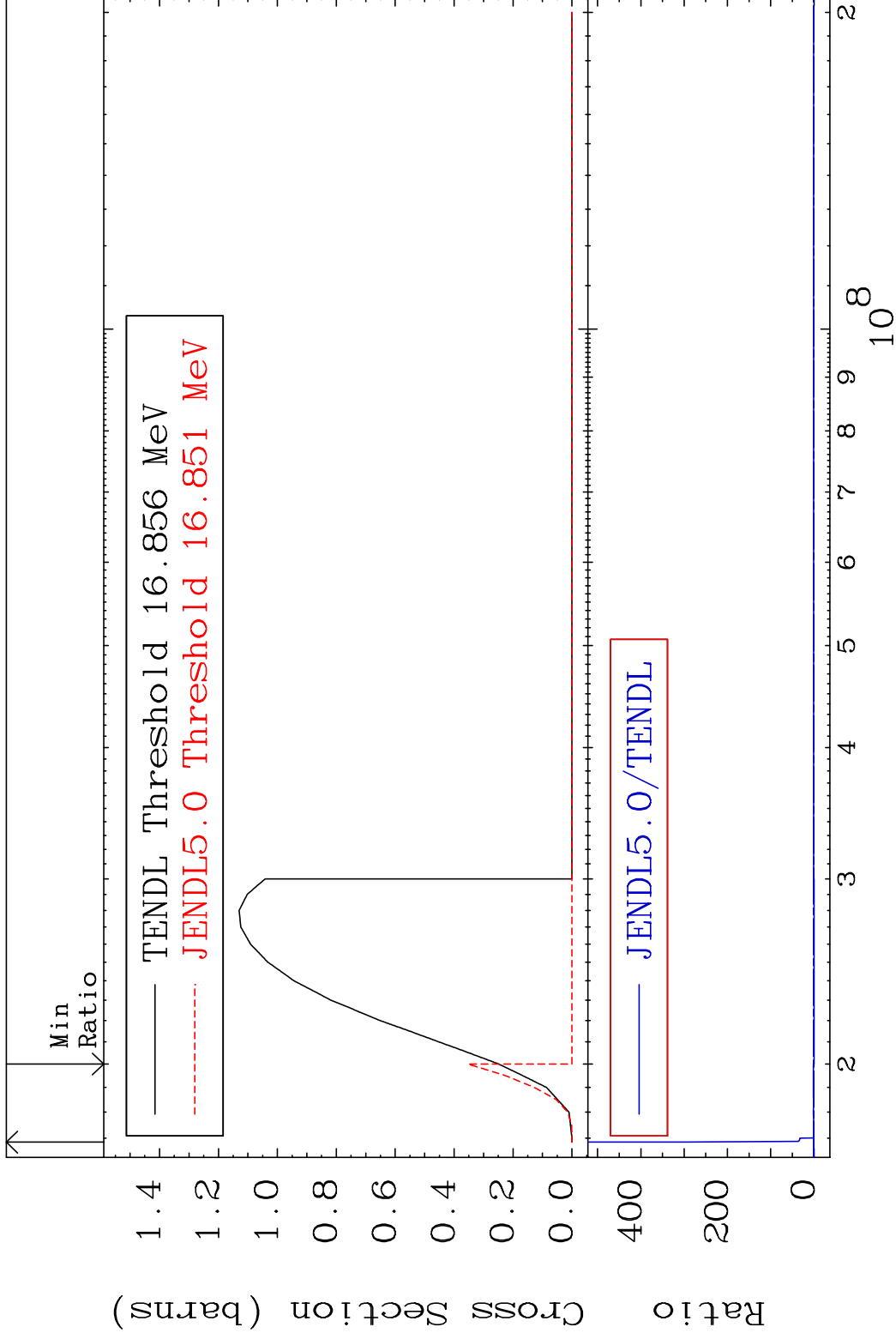
56-Ba-133m

MAT 5635

(n,3n)

56-Ba-133m

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

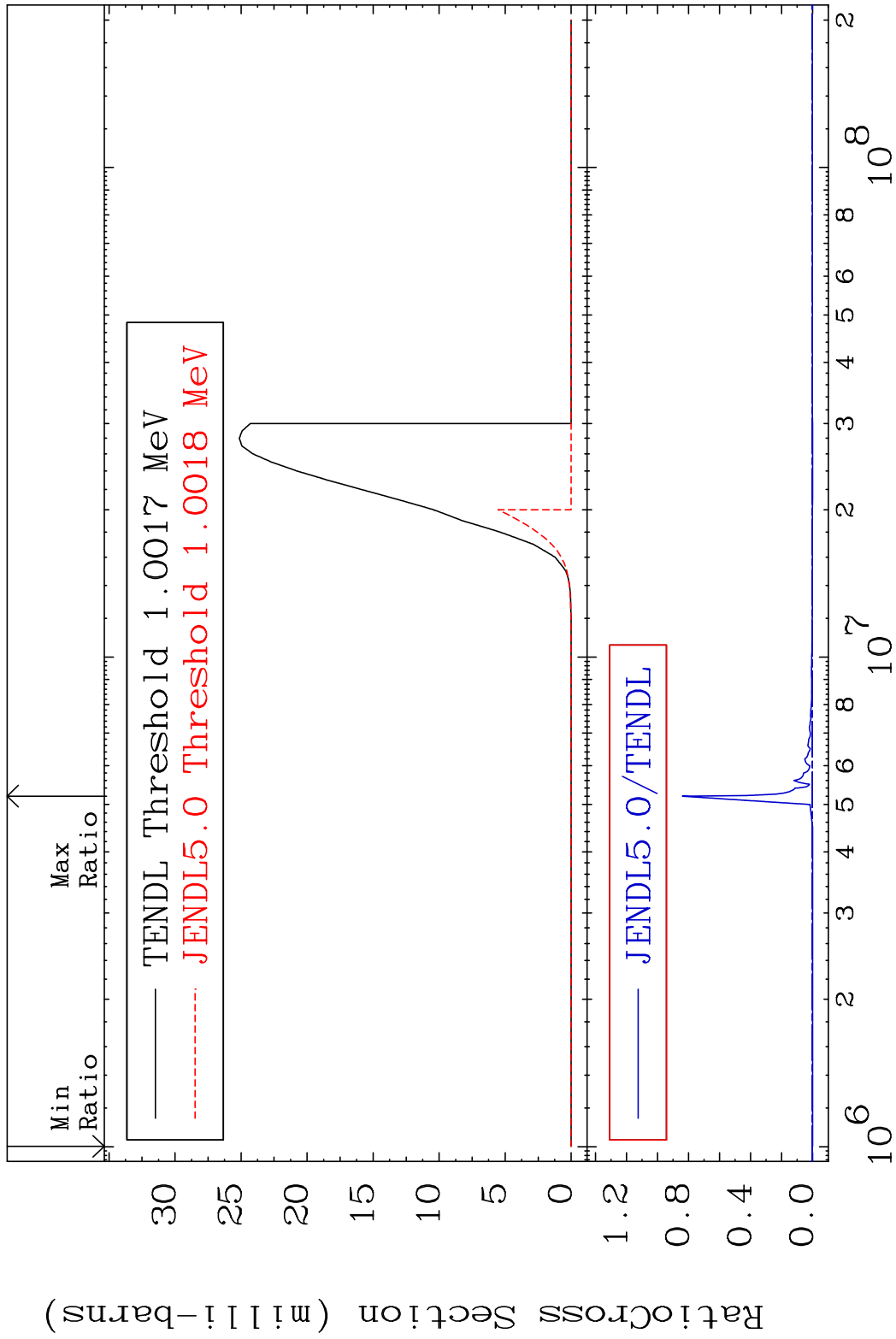
56-Ba-133m

MAT 5635

(n, n')  $\alpha$

56-Ba-133m

Cross Section -100.0 To 9999. %

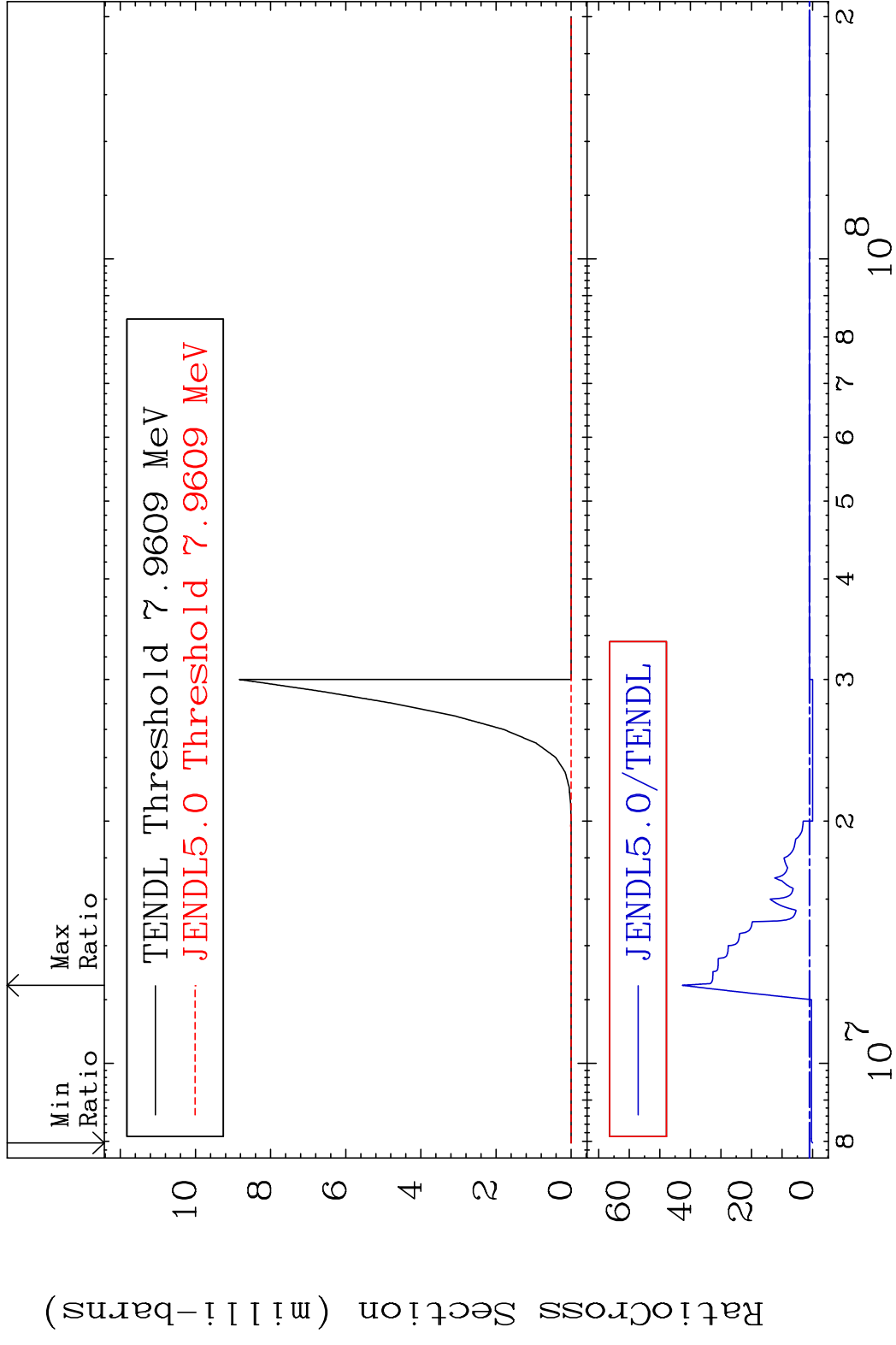


7

Incident Energy (eV)

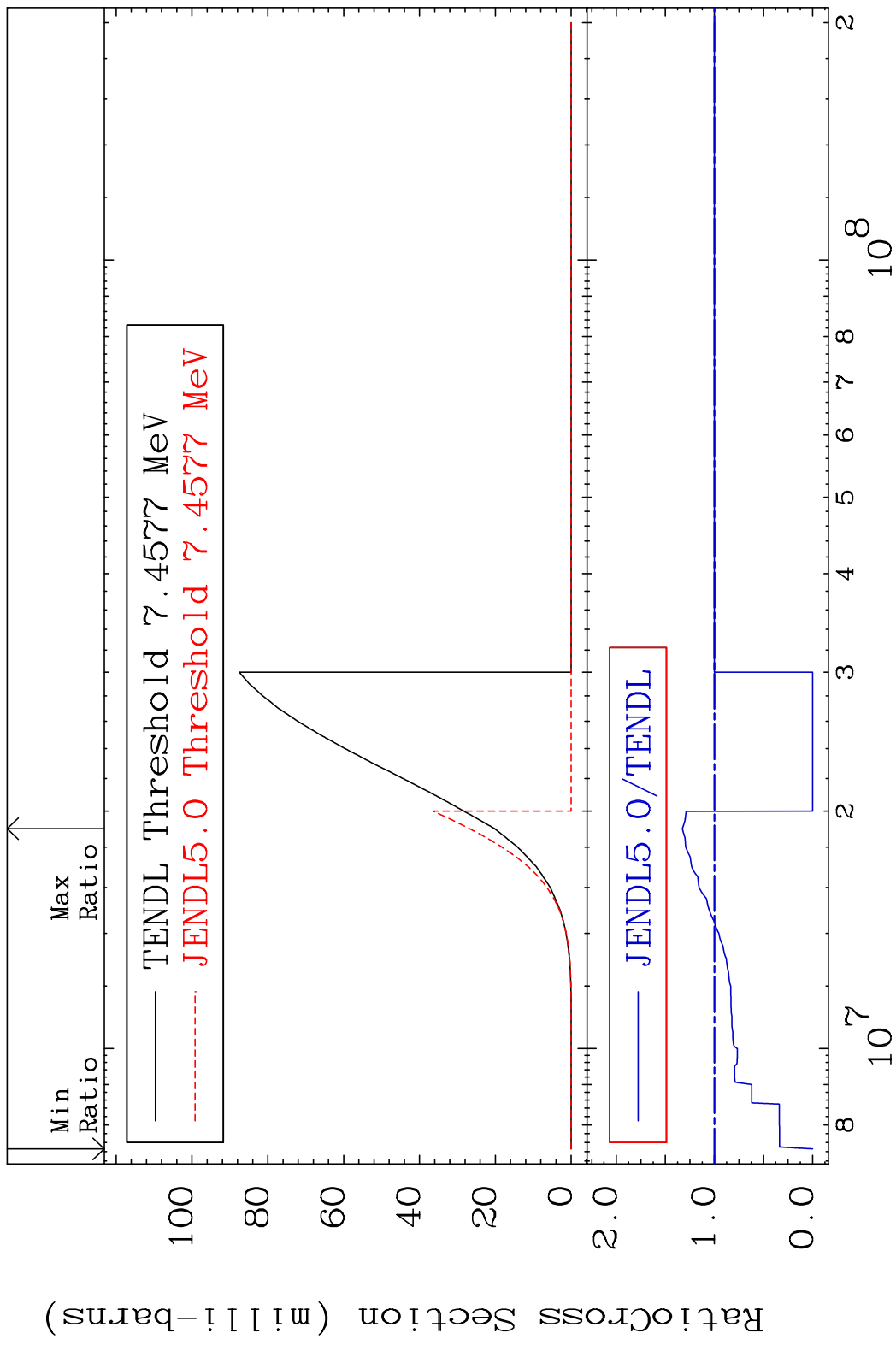
56-Ba-133m

MAT 5635 (n,2n)  $\alpha$  56-Ba-133m  
 Cross Section -100.0 To 4160. %

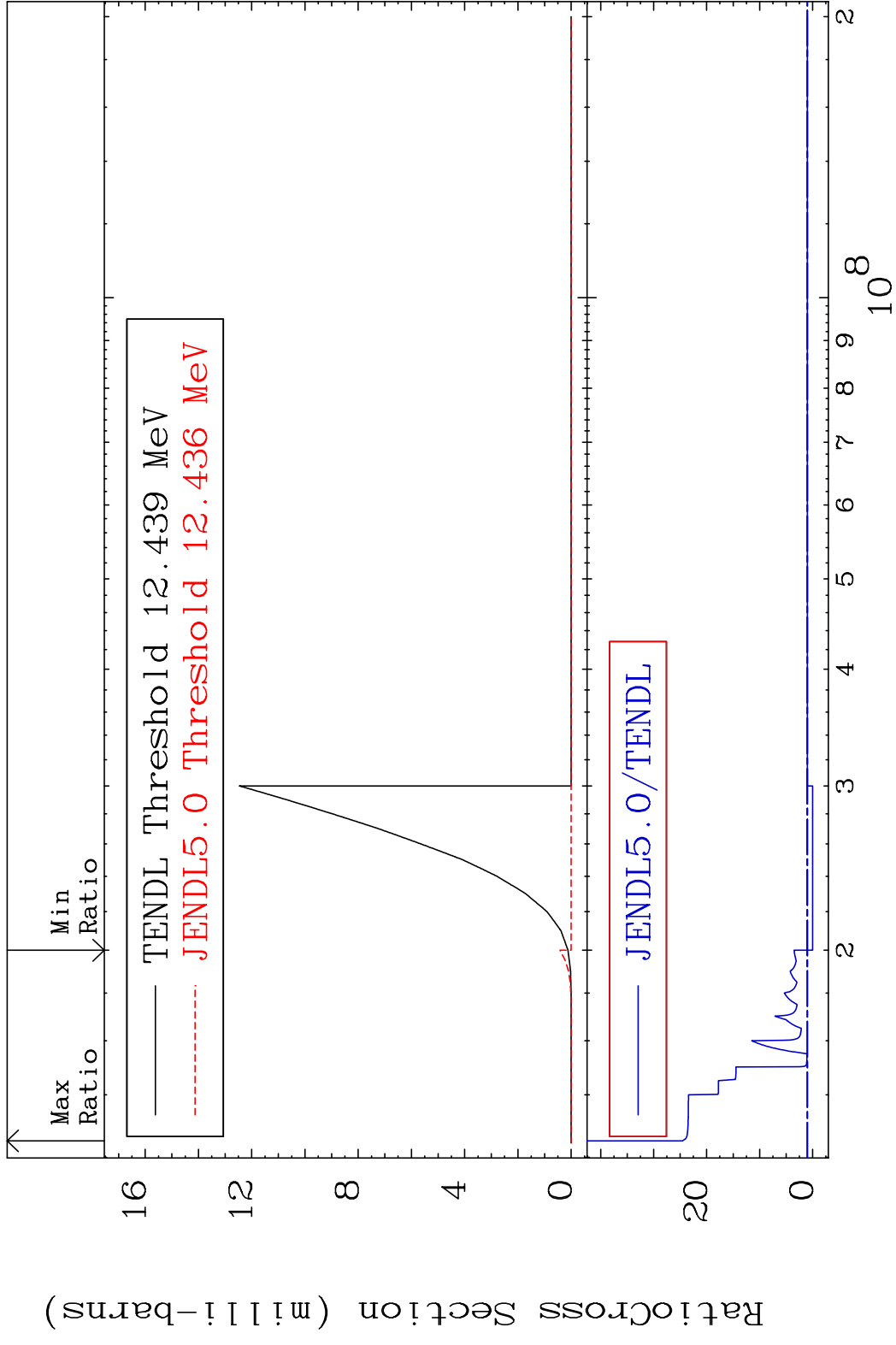


8 Incident Energy (eV) 56-Ba-133m

MAT 5635 (n, n') p 56-Ba-133m  
 Cross Section -100.0 To 32.68 %

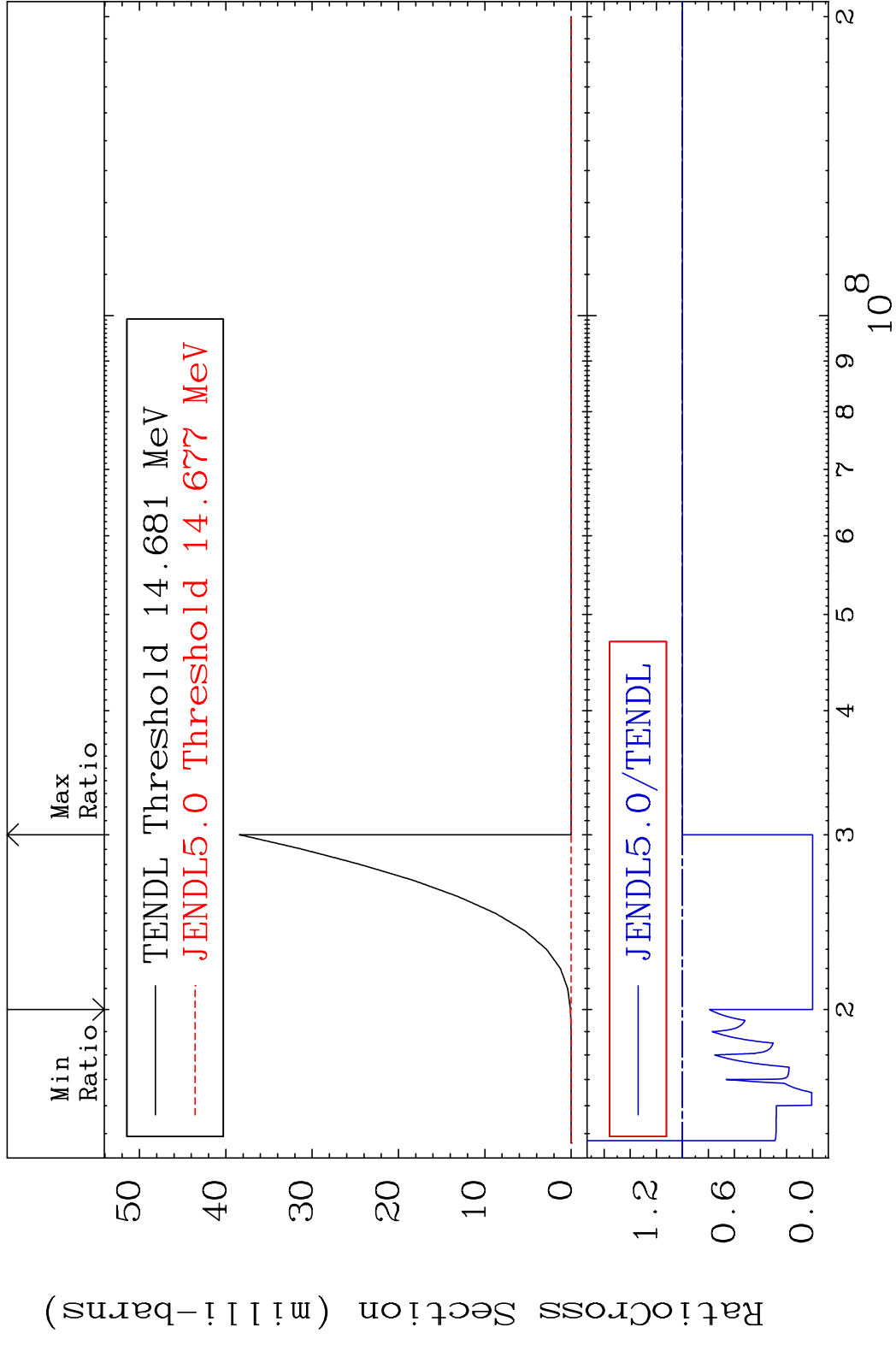


MAT 5635 (n, n') d 56-Ba-133m  
 Cross Section -100.0 To 2359. %

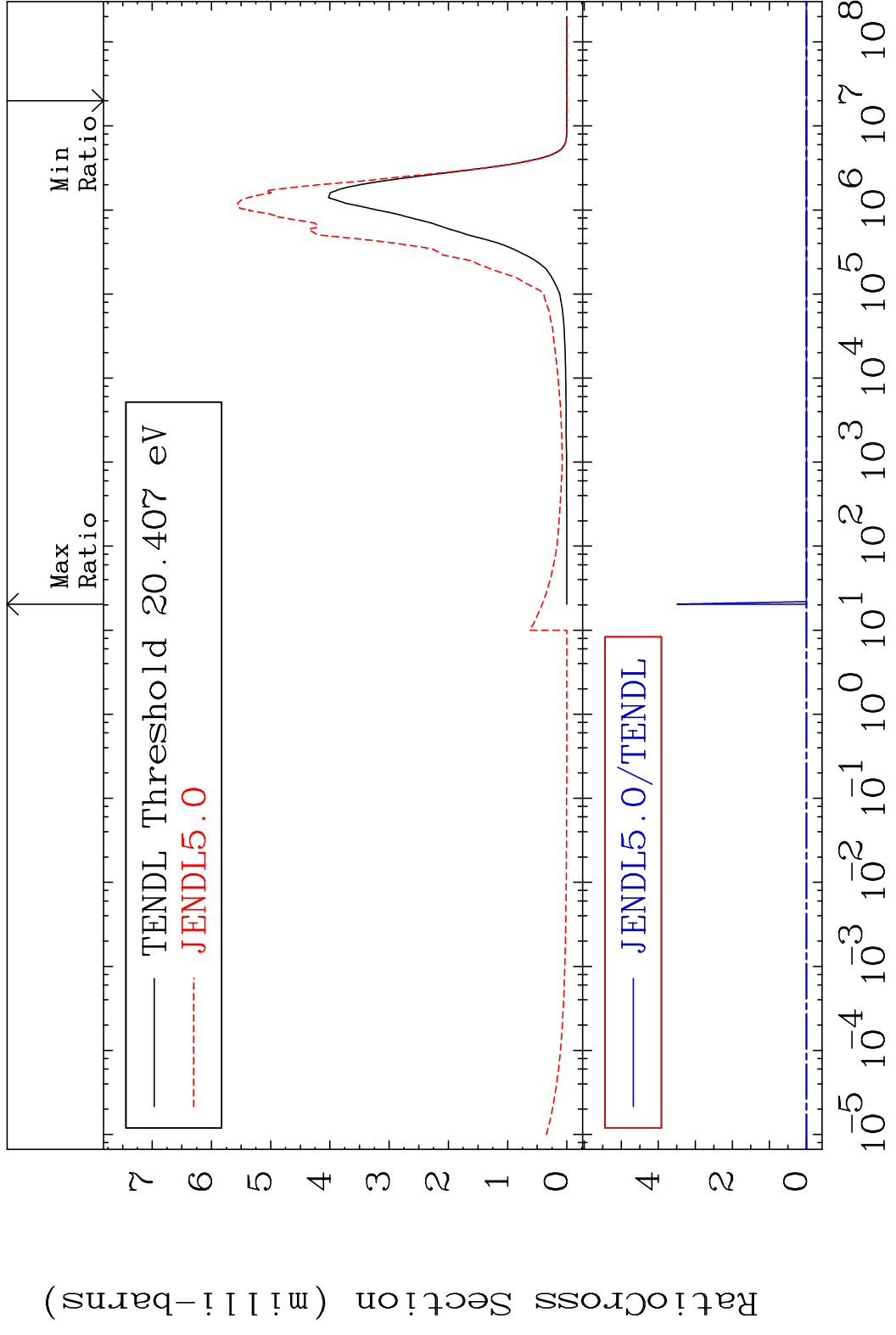


10 Incident Energy (eV) 56-Ba-133m

MAT 5635 (n,2n) p 56-Ba-133m  
 Cross Section -100.0 To 0.000 %

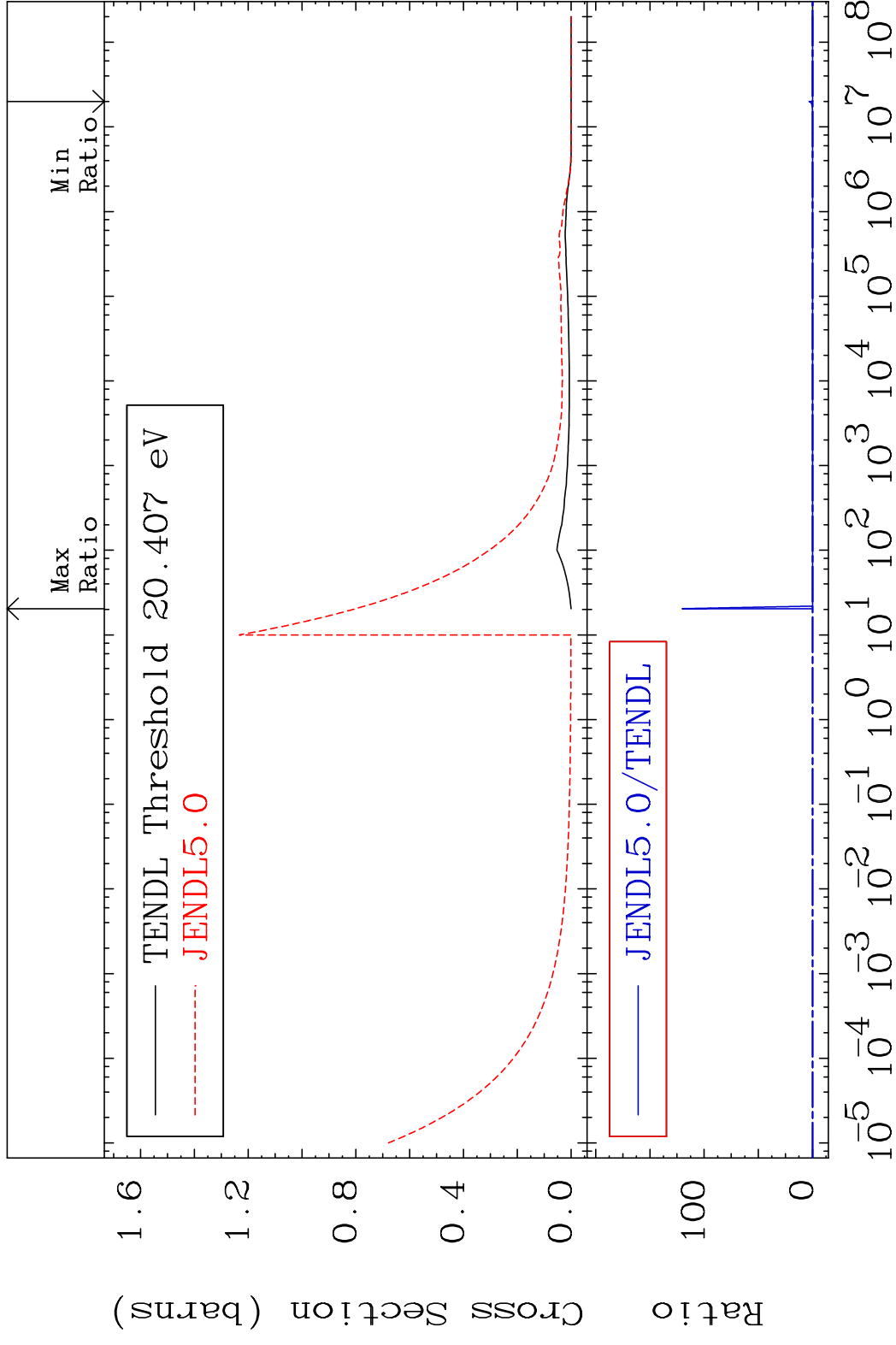


MAT 5635 MT= 51 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



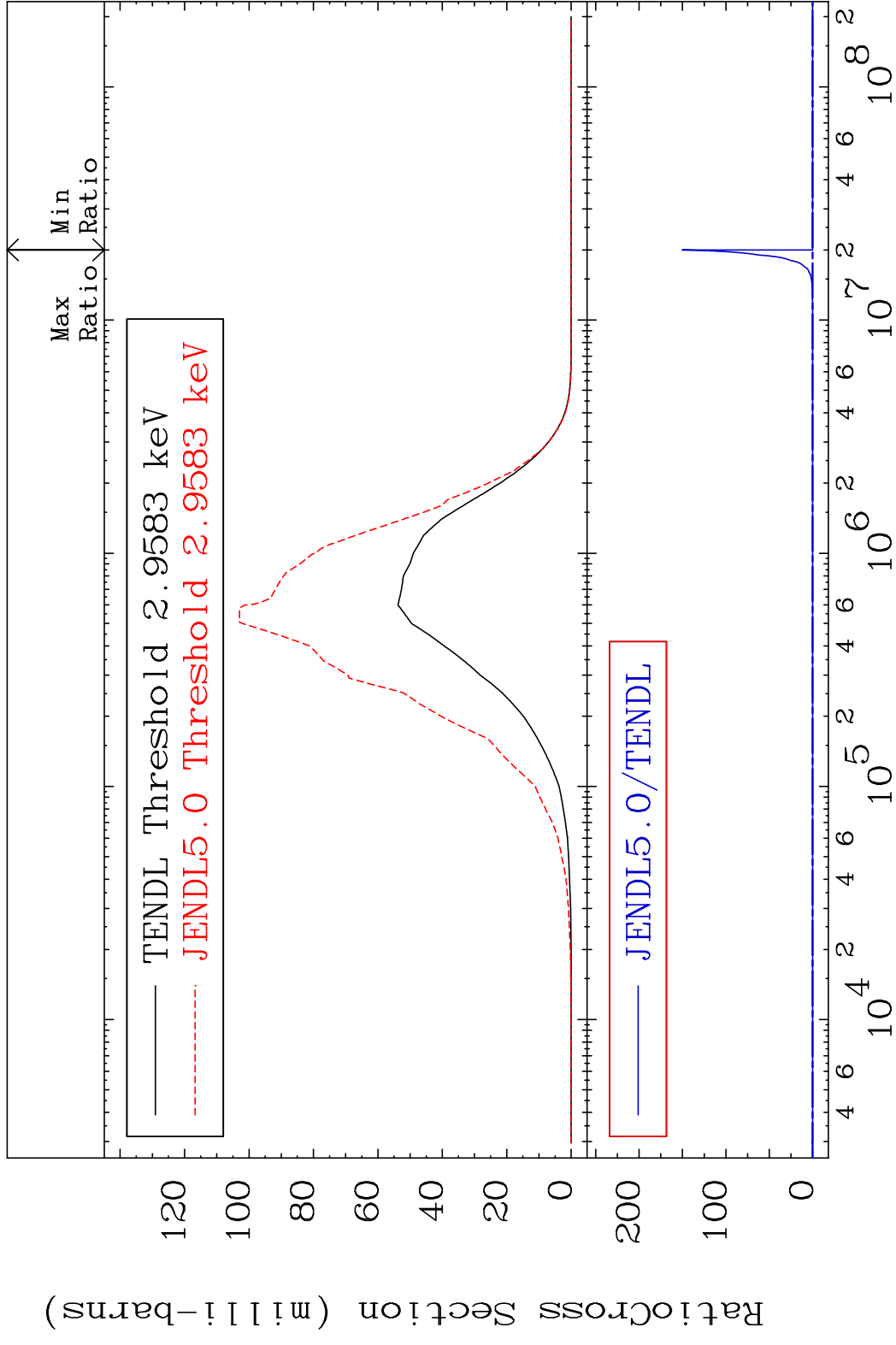
12 56-Ba-133m

MAT 5635 MT= 52 (n,n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

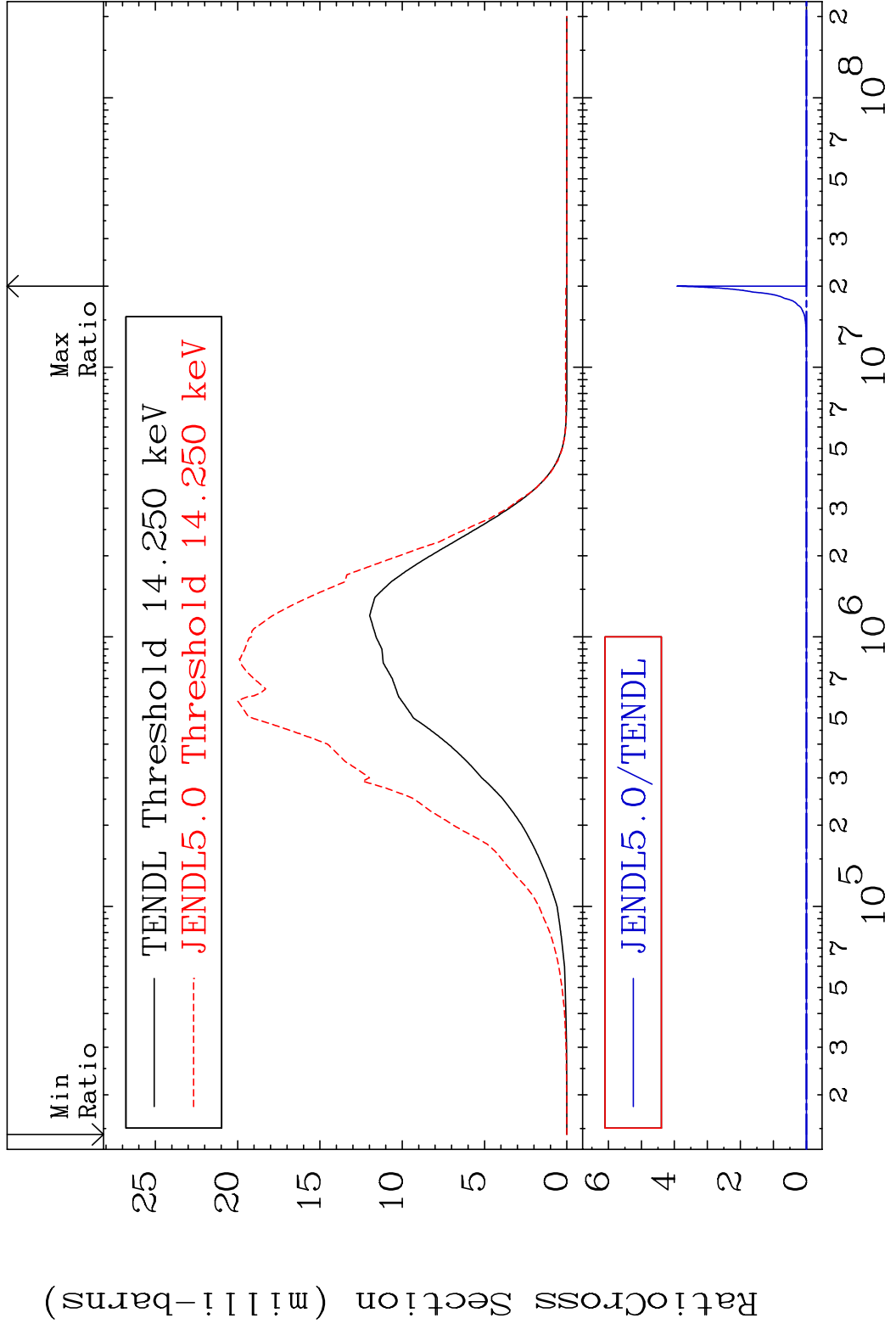


13 Incident Energy (eV) 56-Ba-133m

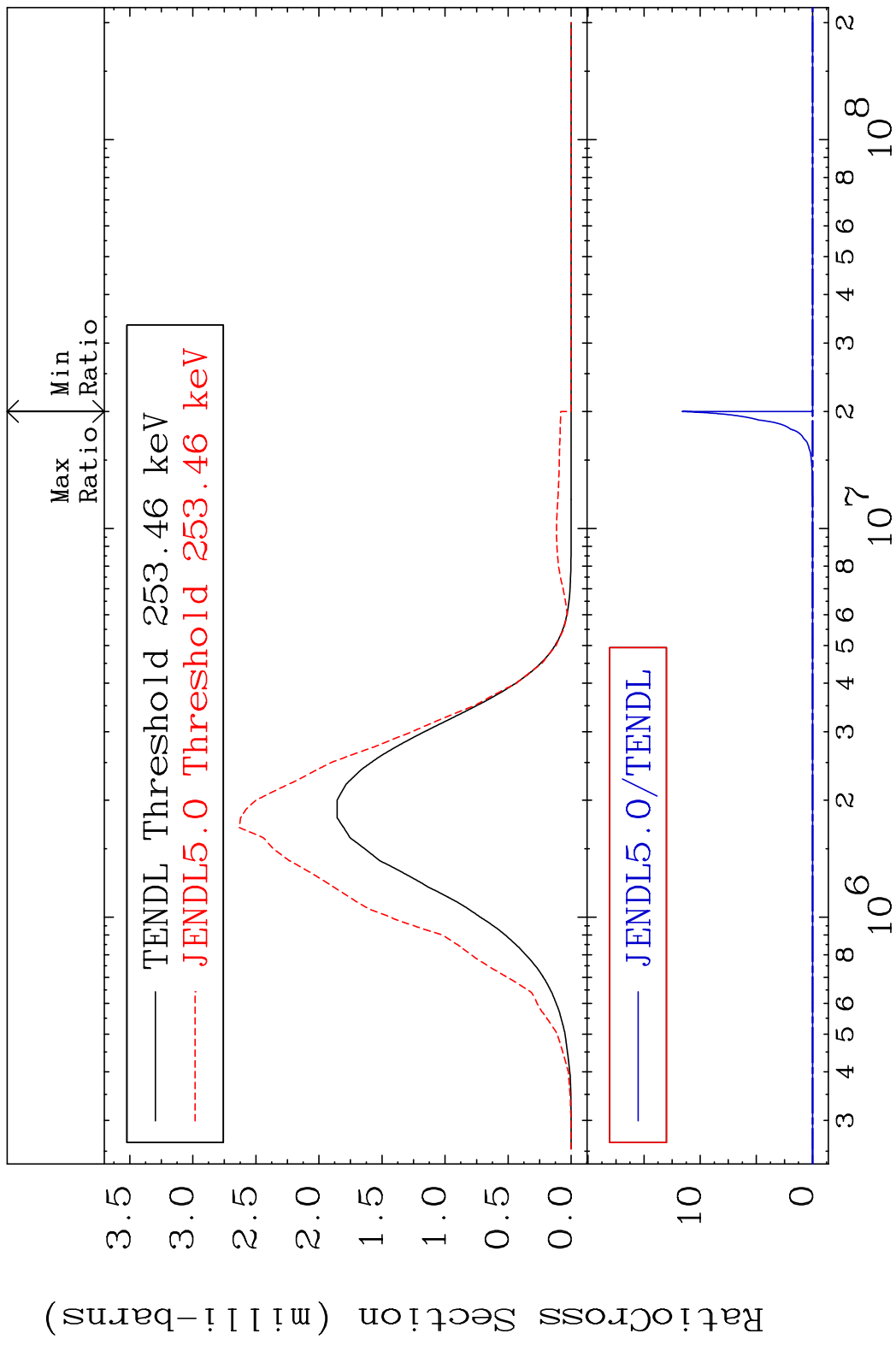
MAT 5635 MT= 53 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



MAT 5635 MT= 54 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

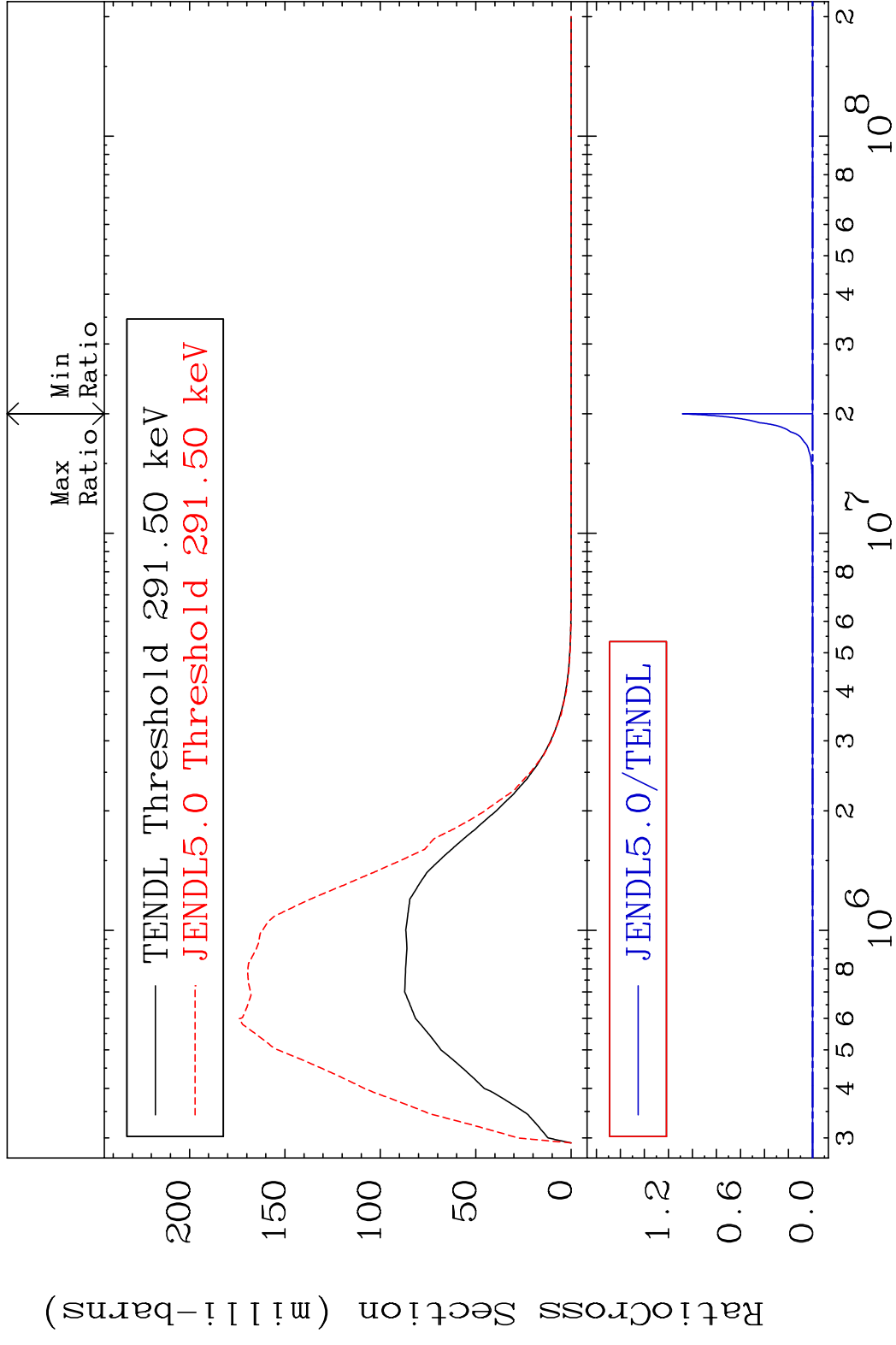


MAT 5635 MT= 55 (n,n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

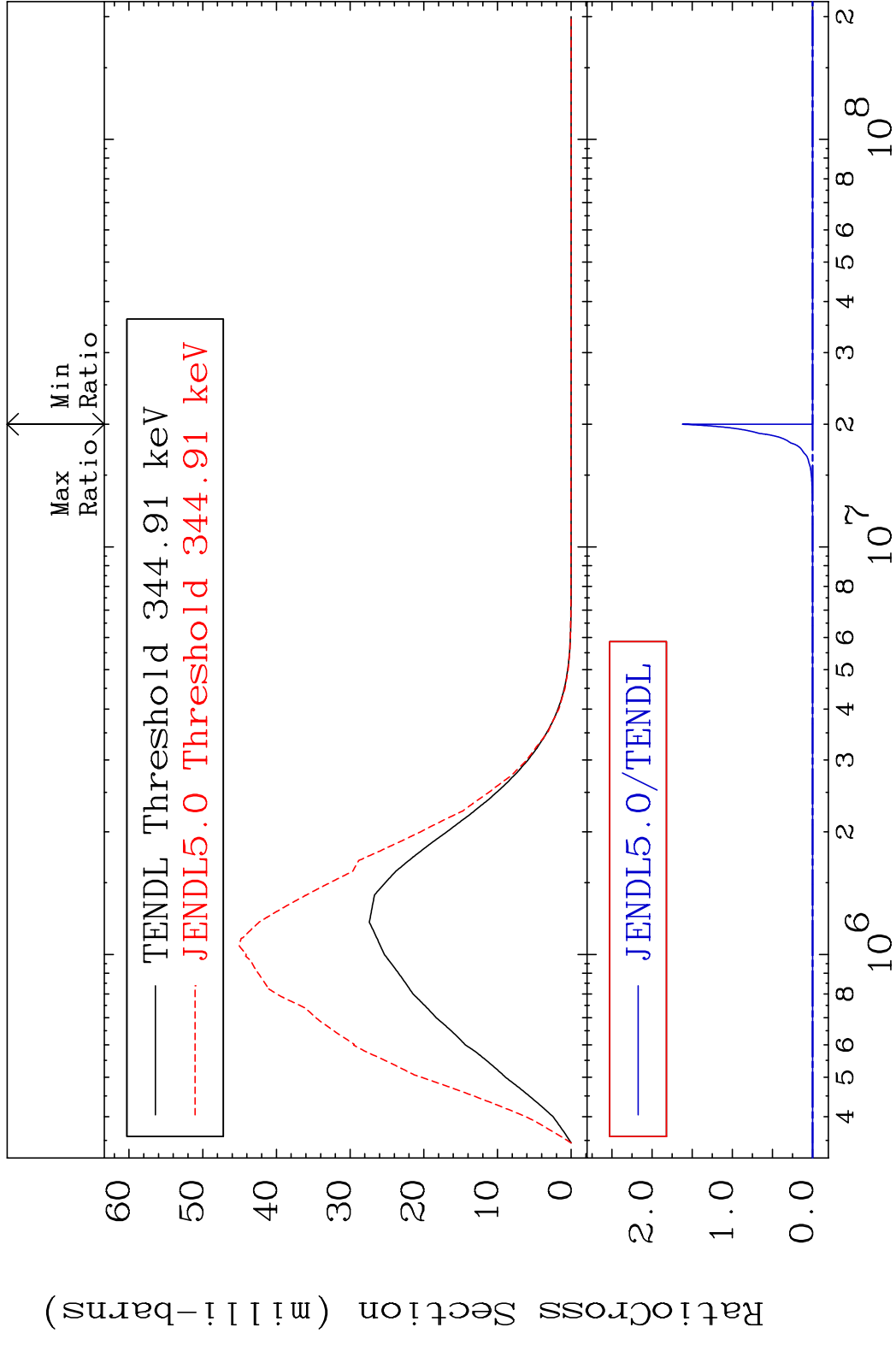


16 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 56 (n,n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

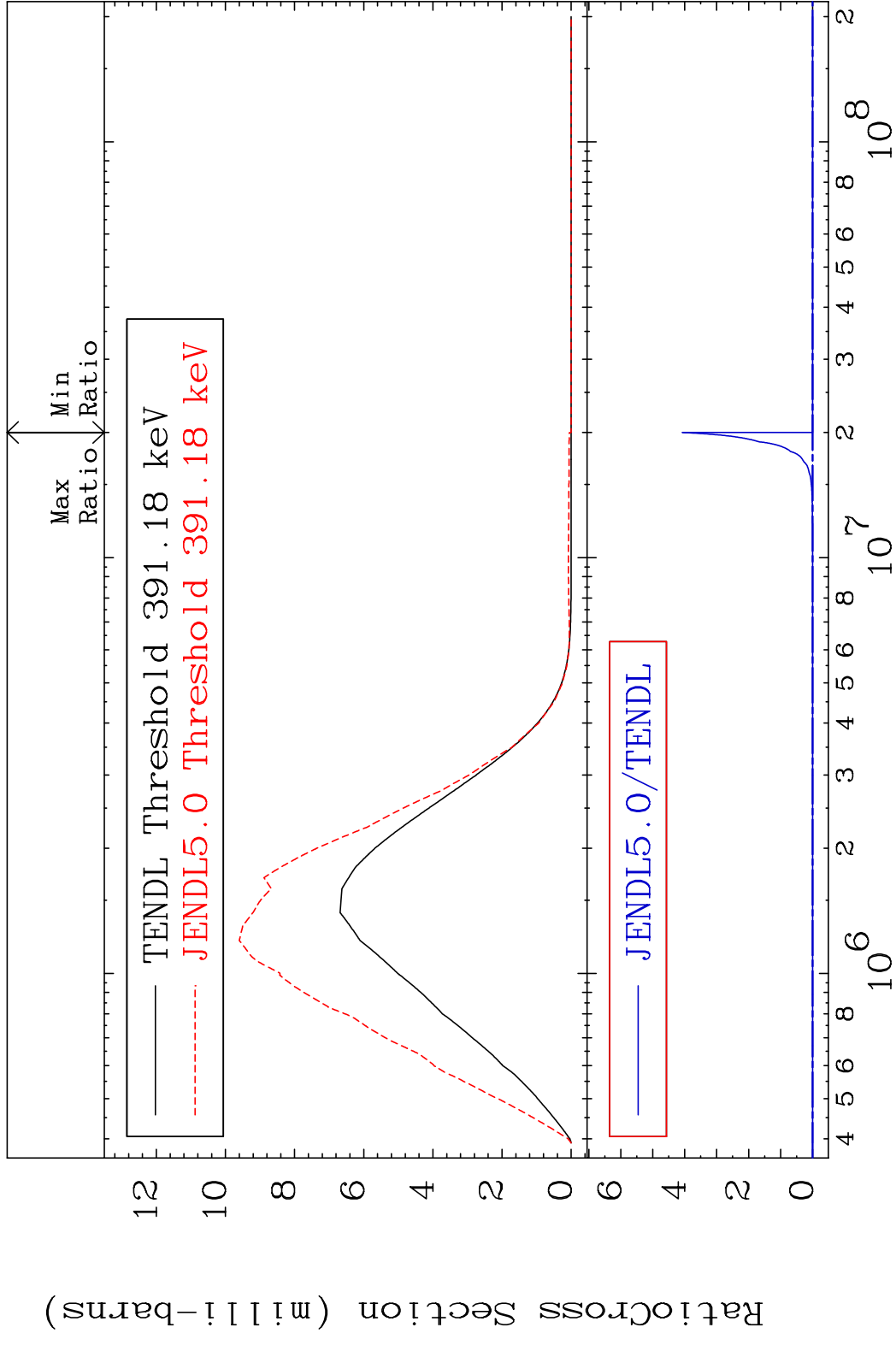


MAT 5635 MT= 57 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

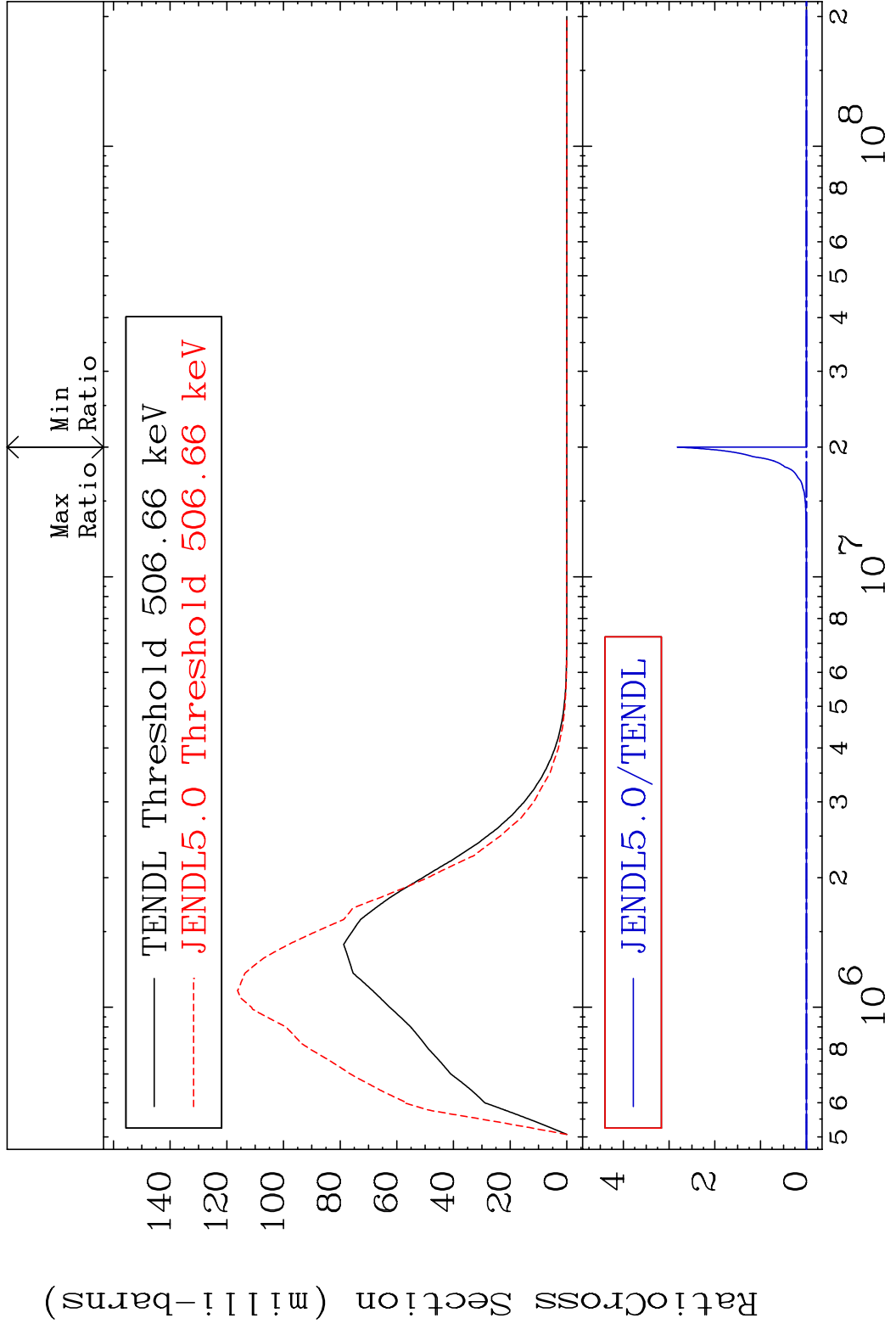


18 Incident Energy (eV) 56-Ba-133m

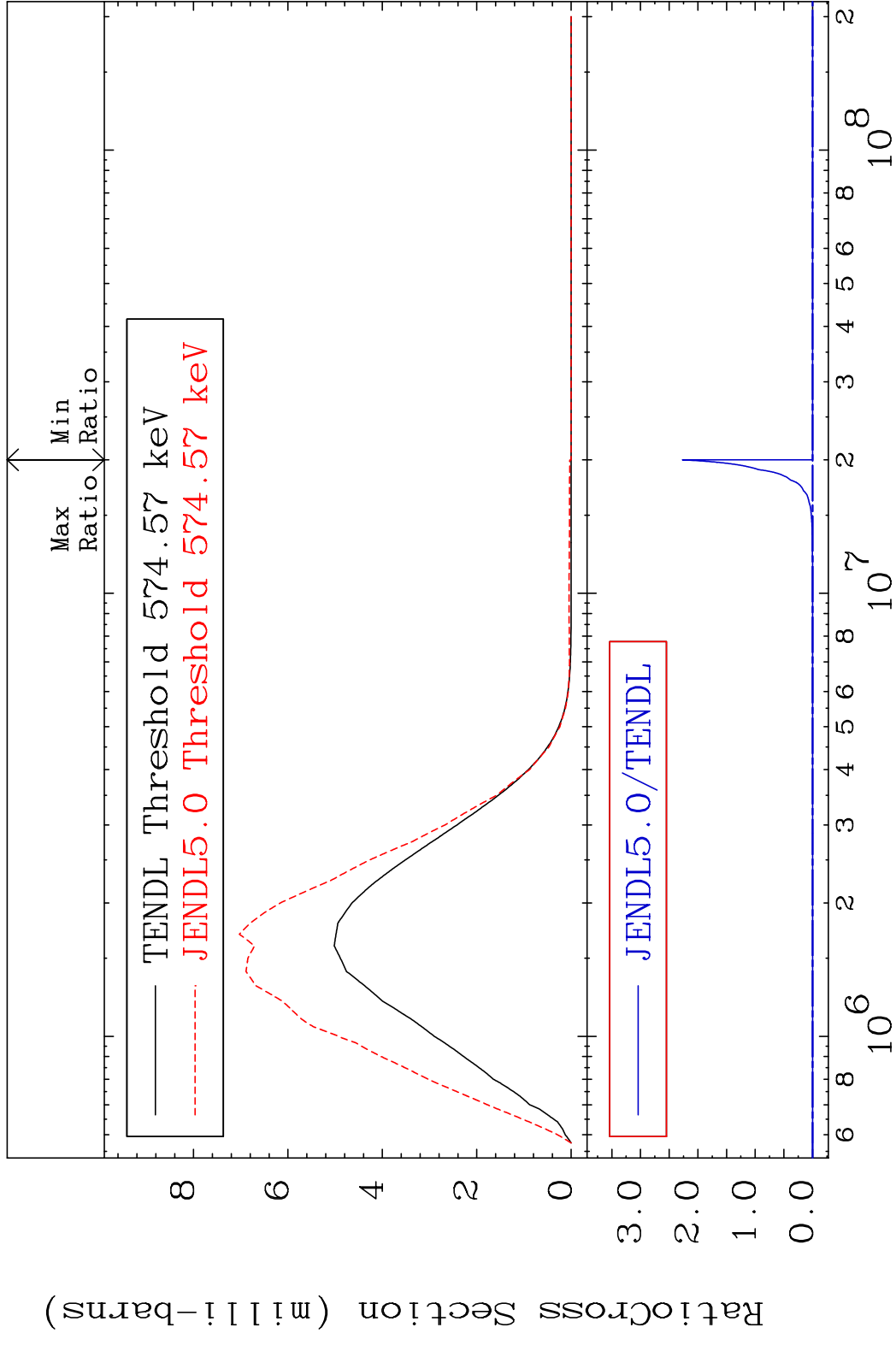
MAT 5635 MT= 58 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



MAT 5635 MT= 59 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

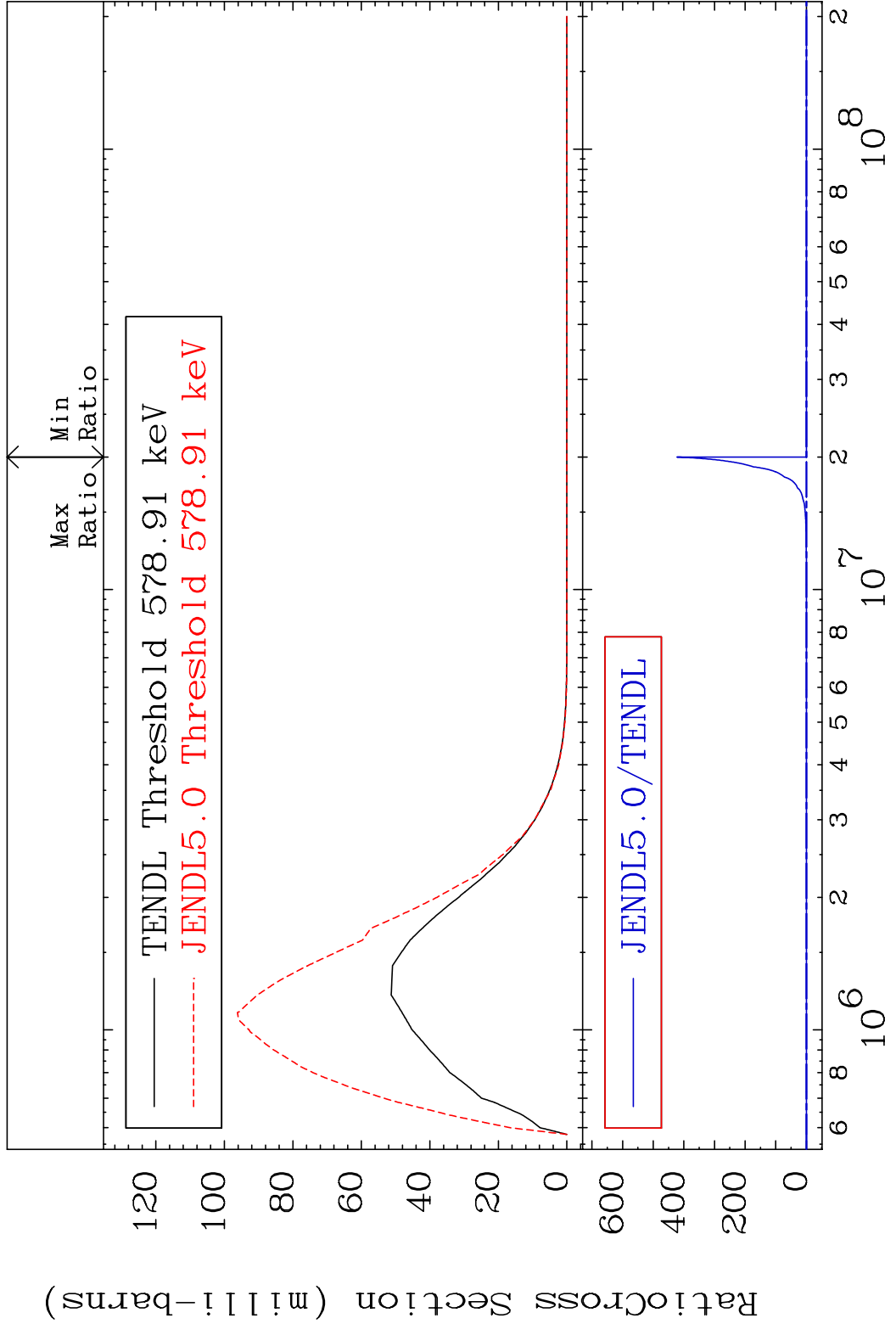


MAT 5635 MT= 60 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

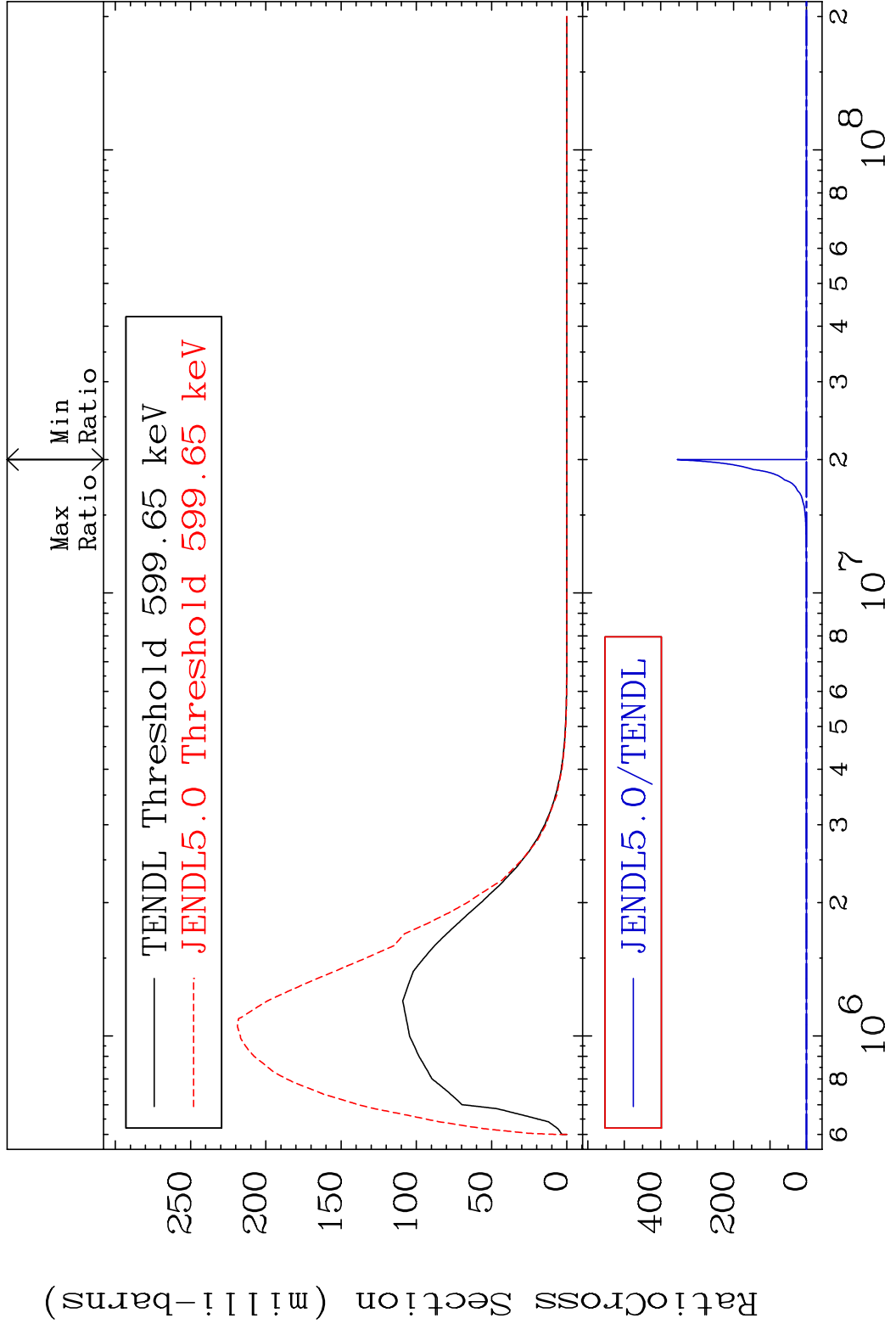


21 Incident Energy (eV) 56-Ba-133m

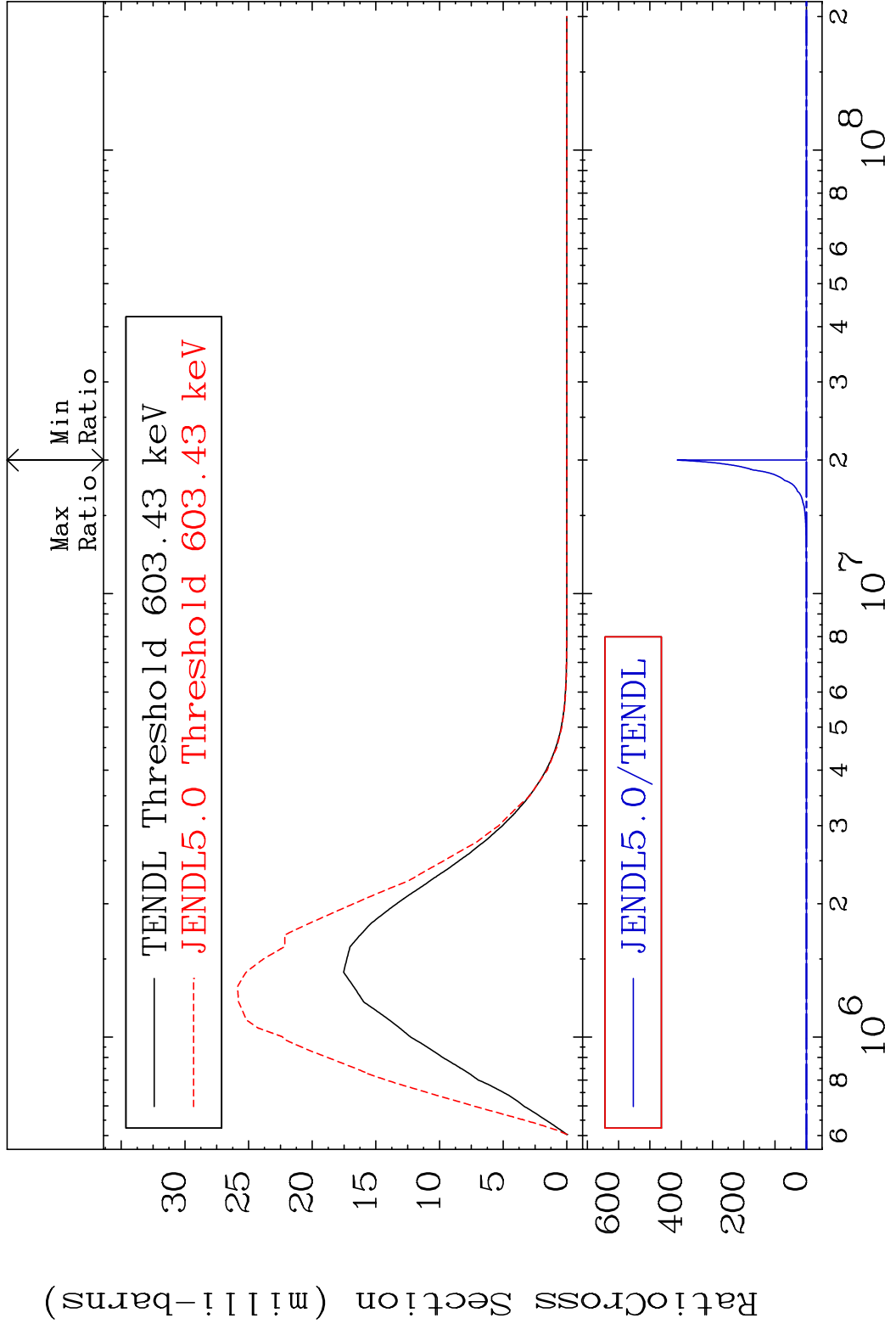
MAT 5635 MT= 61 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



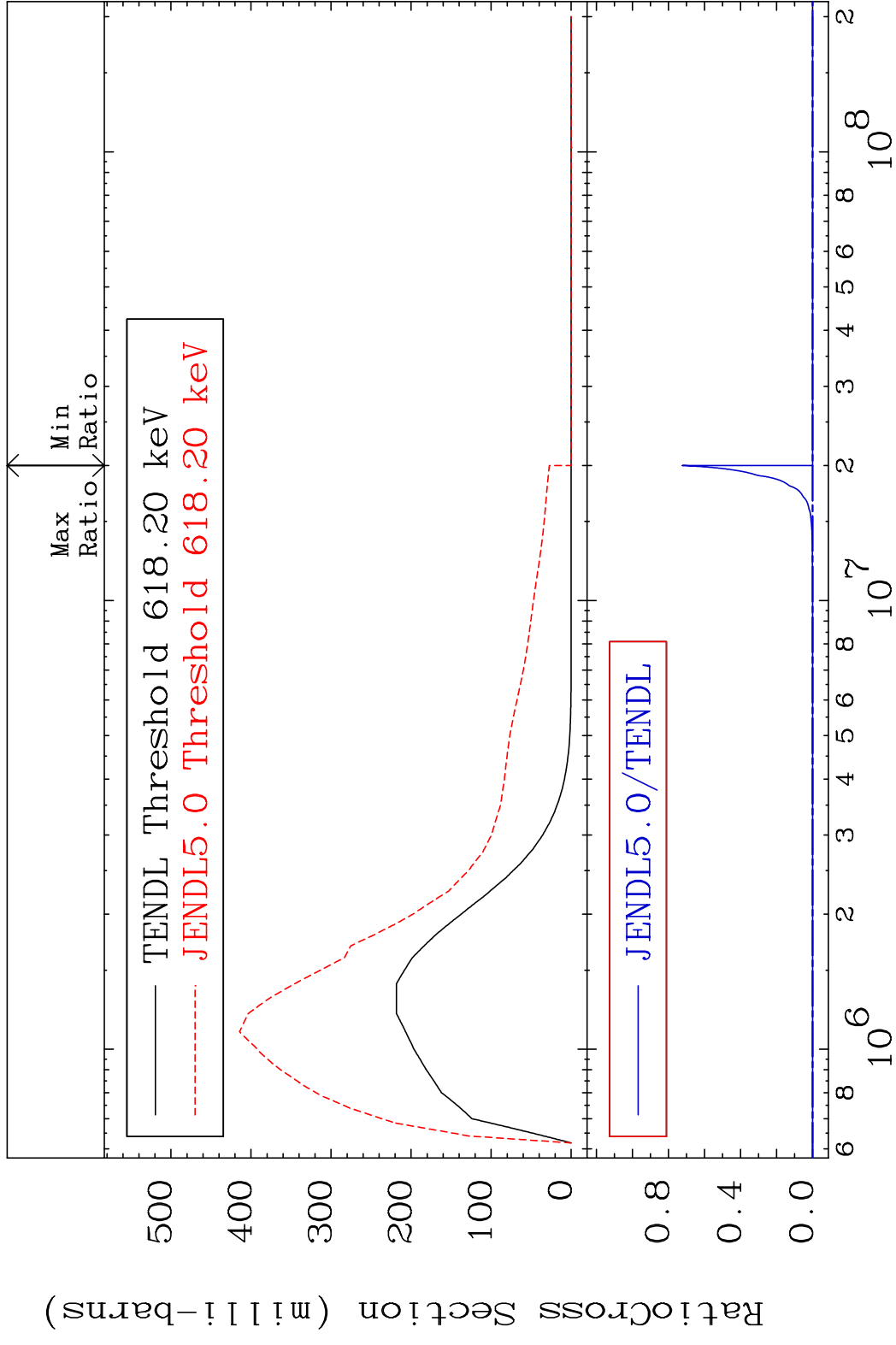
MAT 5635 MT= 62 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



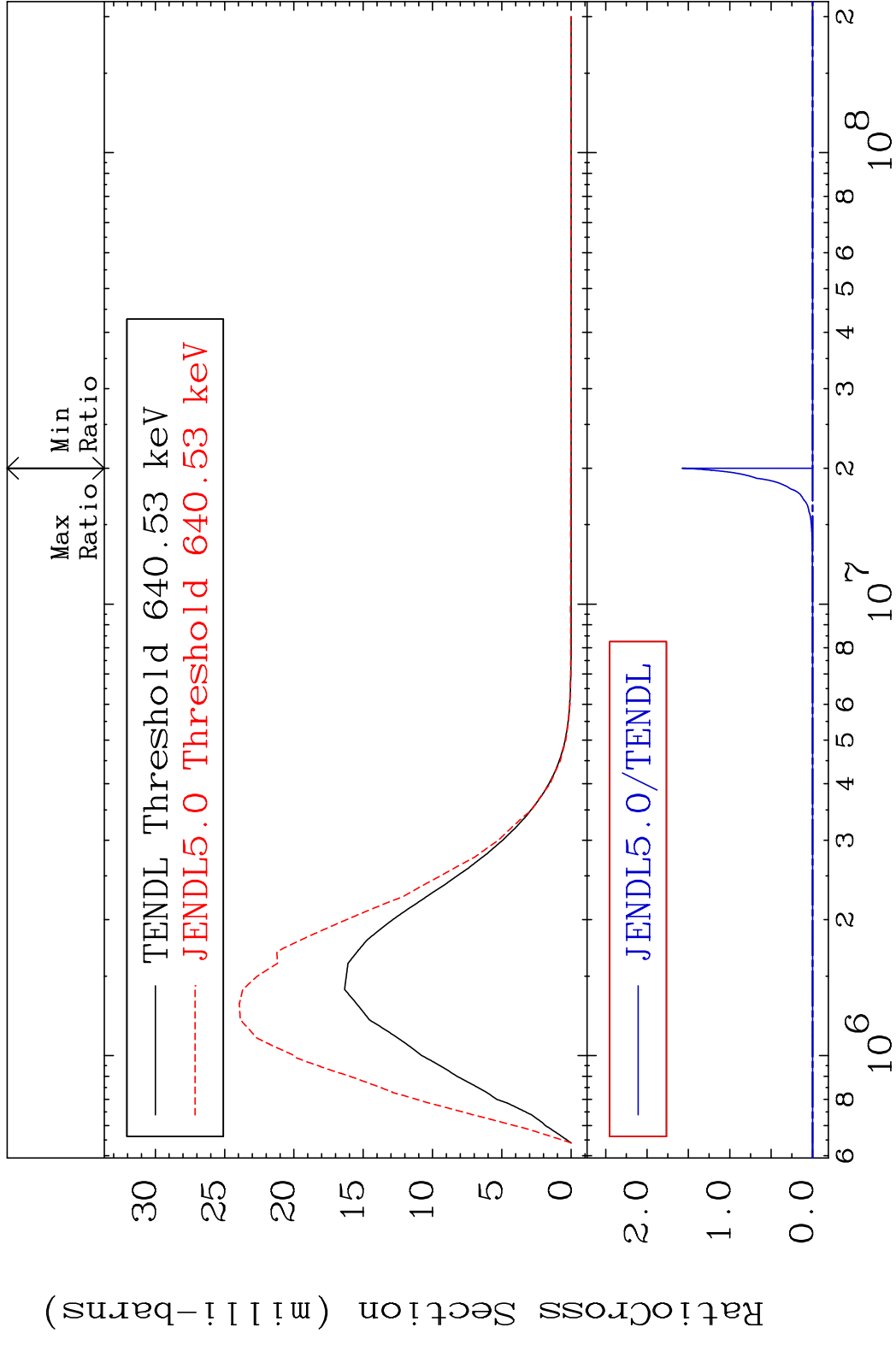
MAT 5635 MT= 63 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



MAT 5635 MT= 64 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

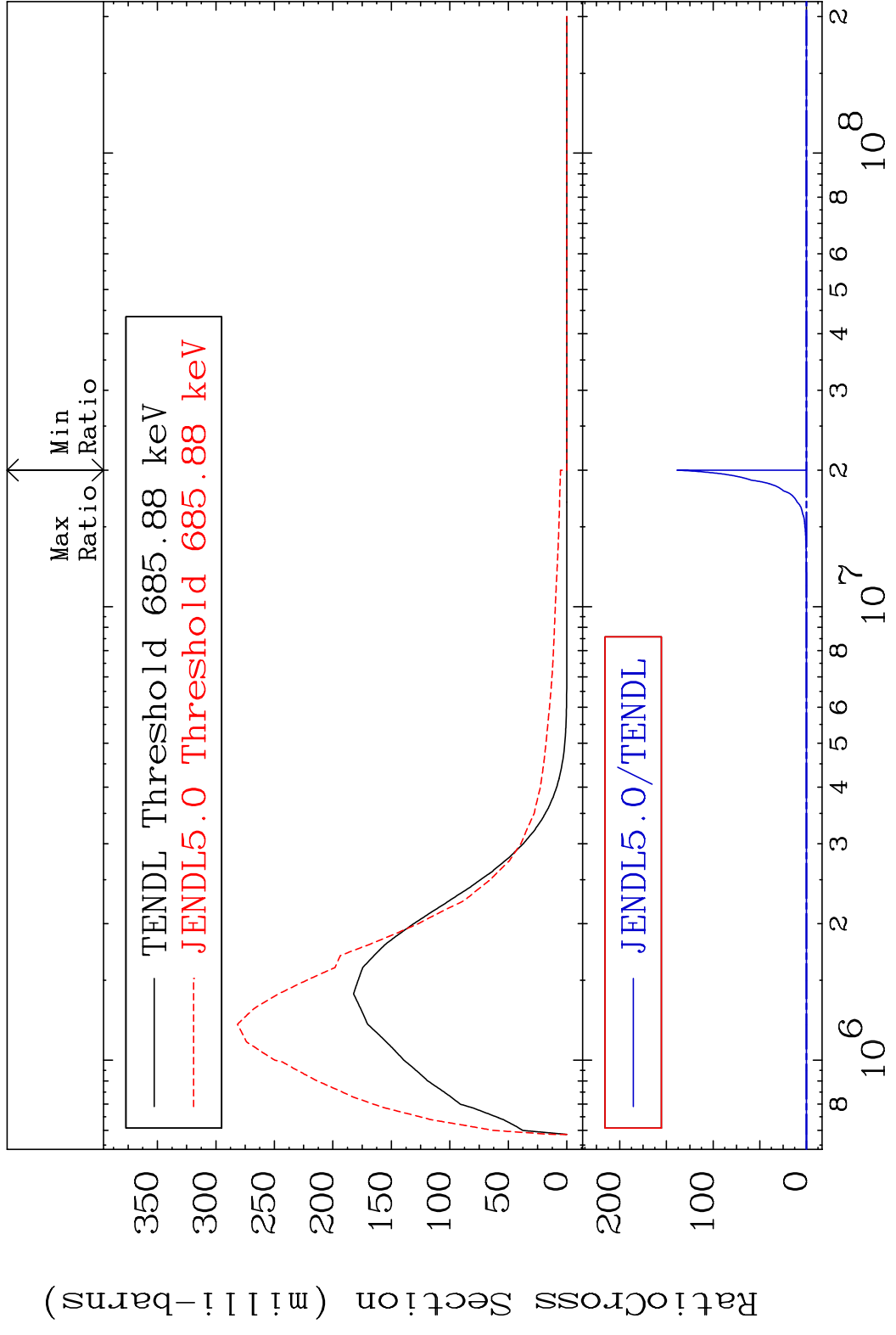


MAT 5635 MT= 65 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



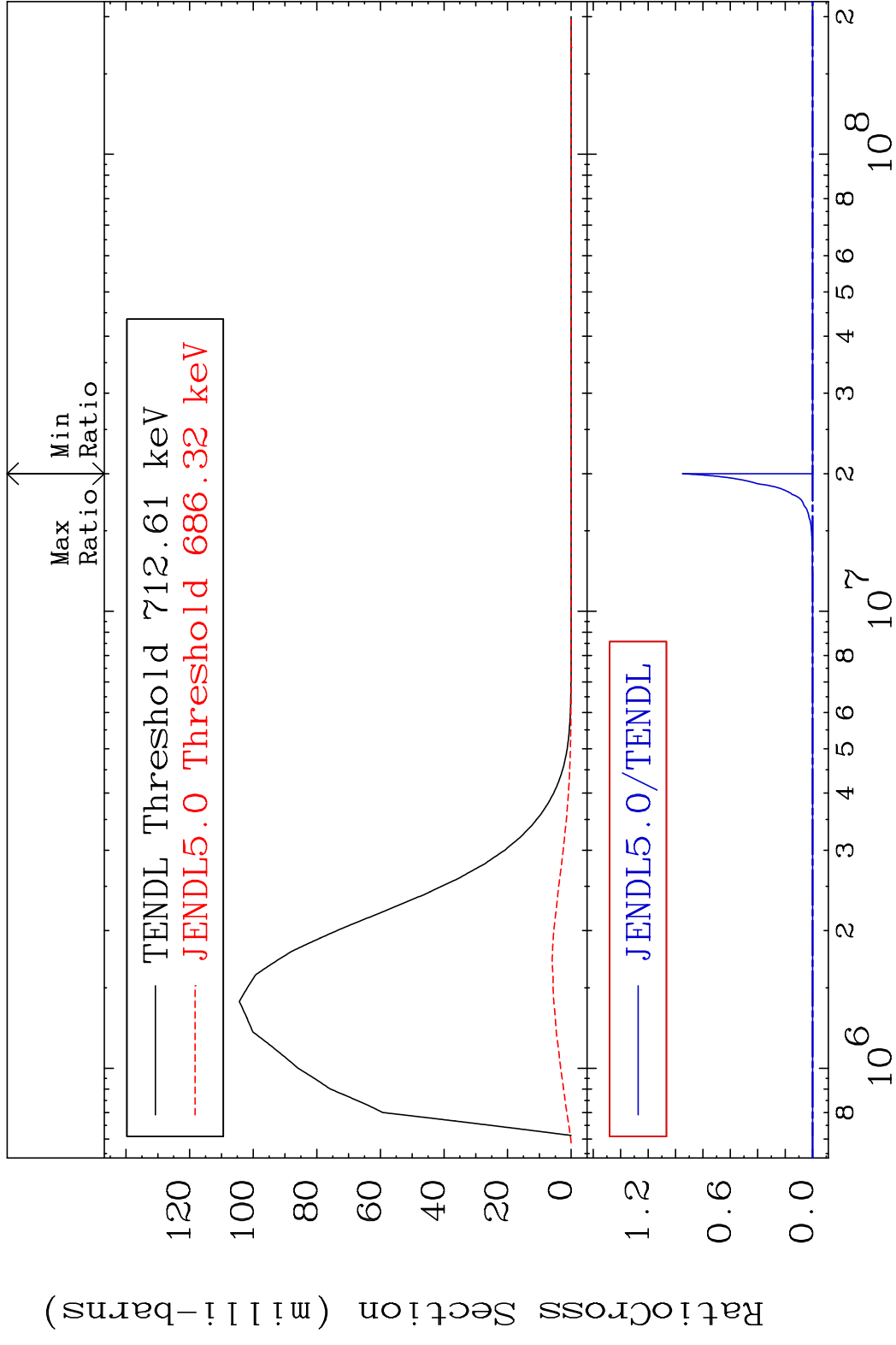
26 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 66 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

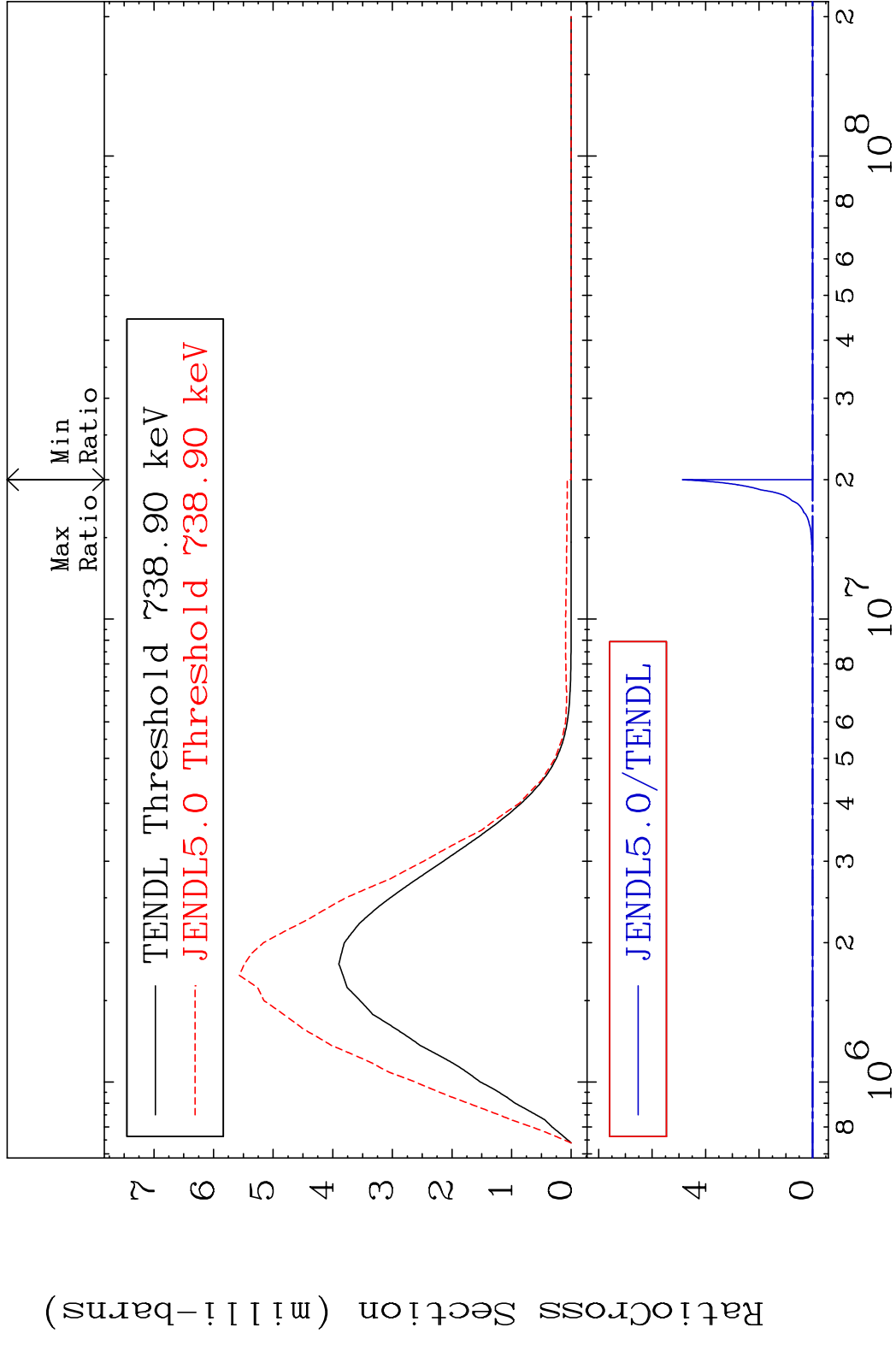


27 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 67 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

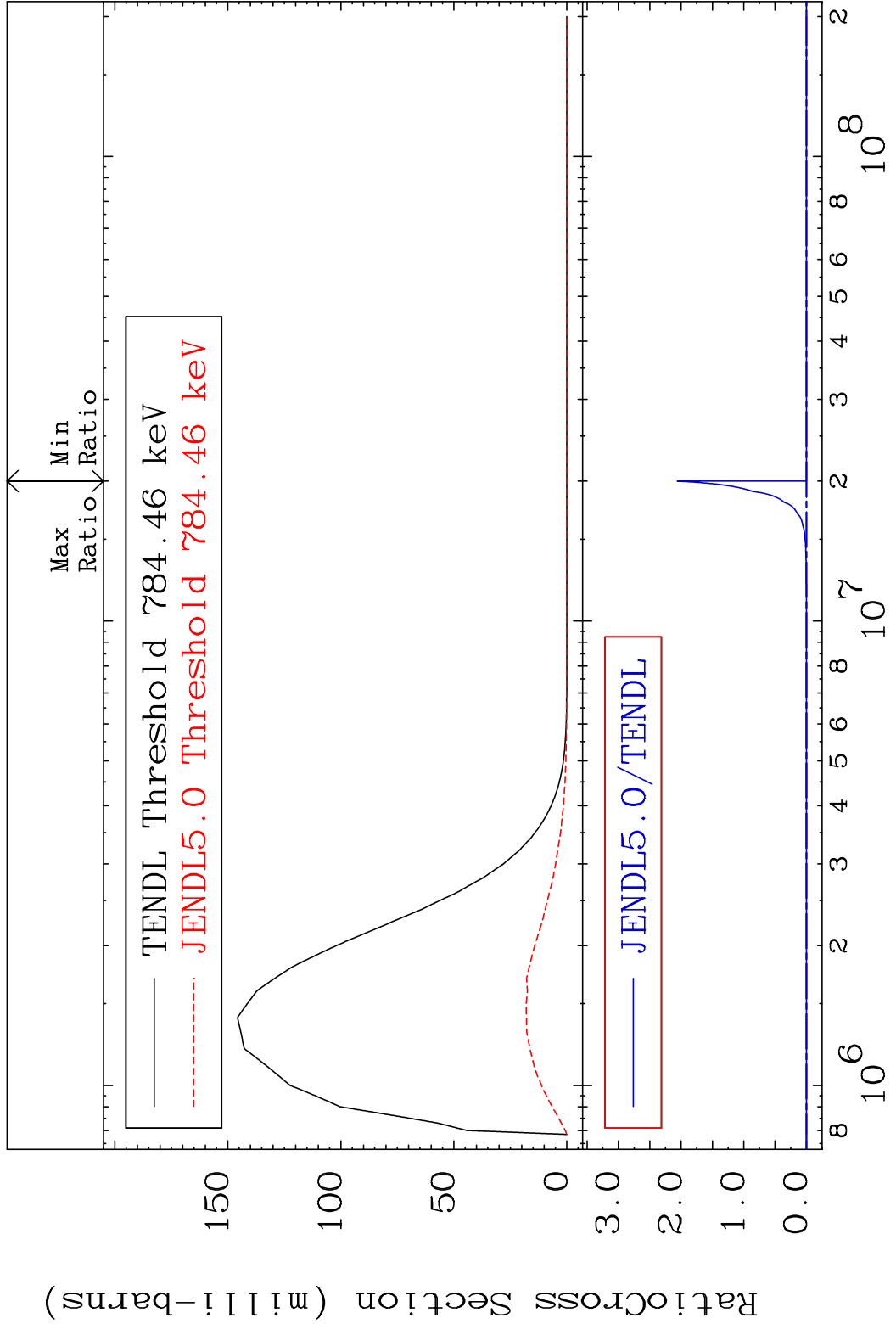


MAT 5635 MT= 68 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



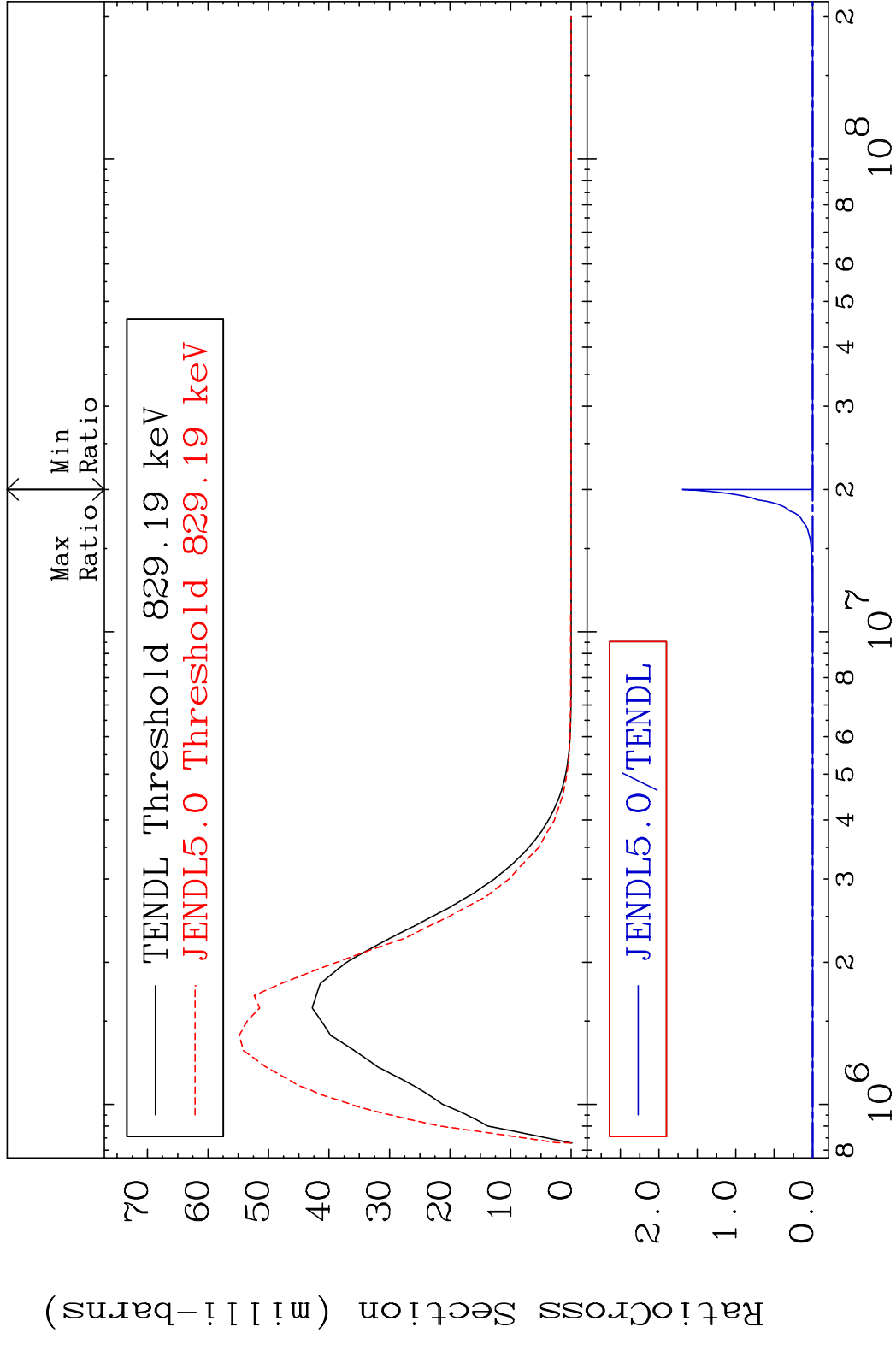
29 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 69 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



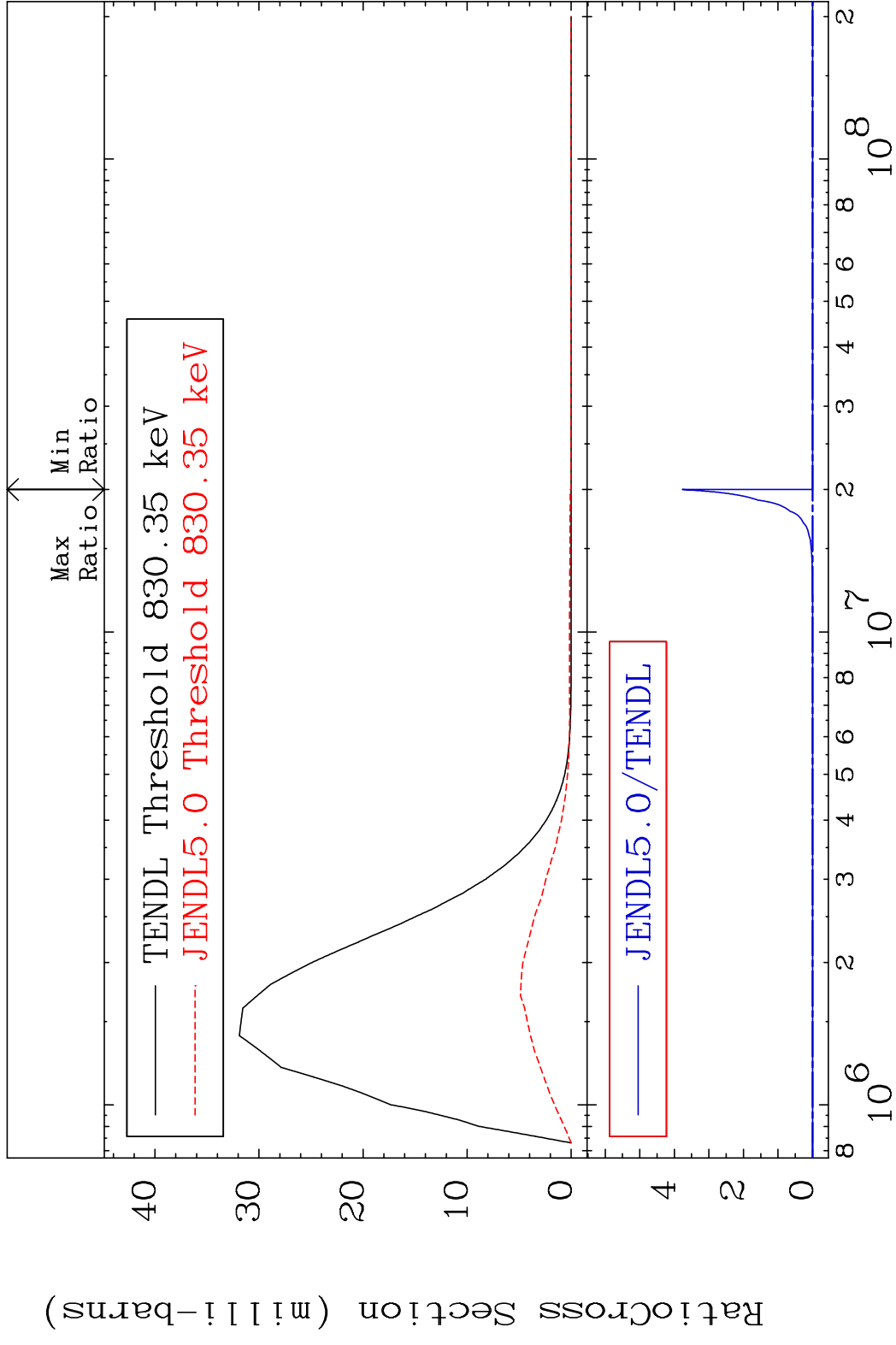
30 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 70 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



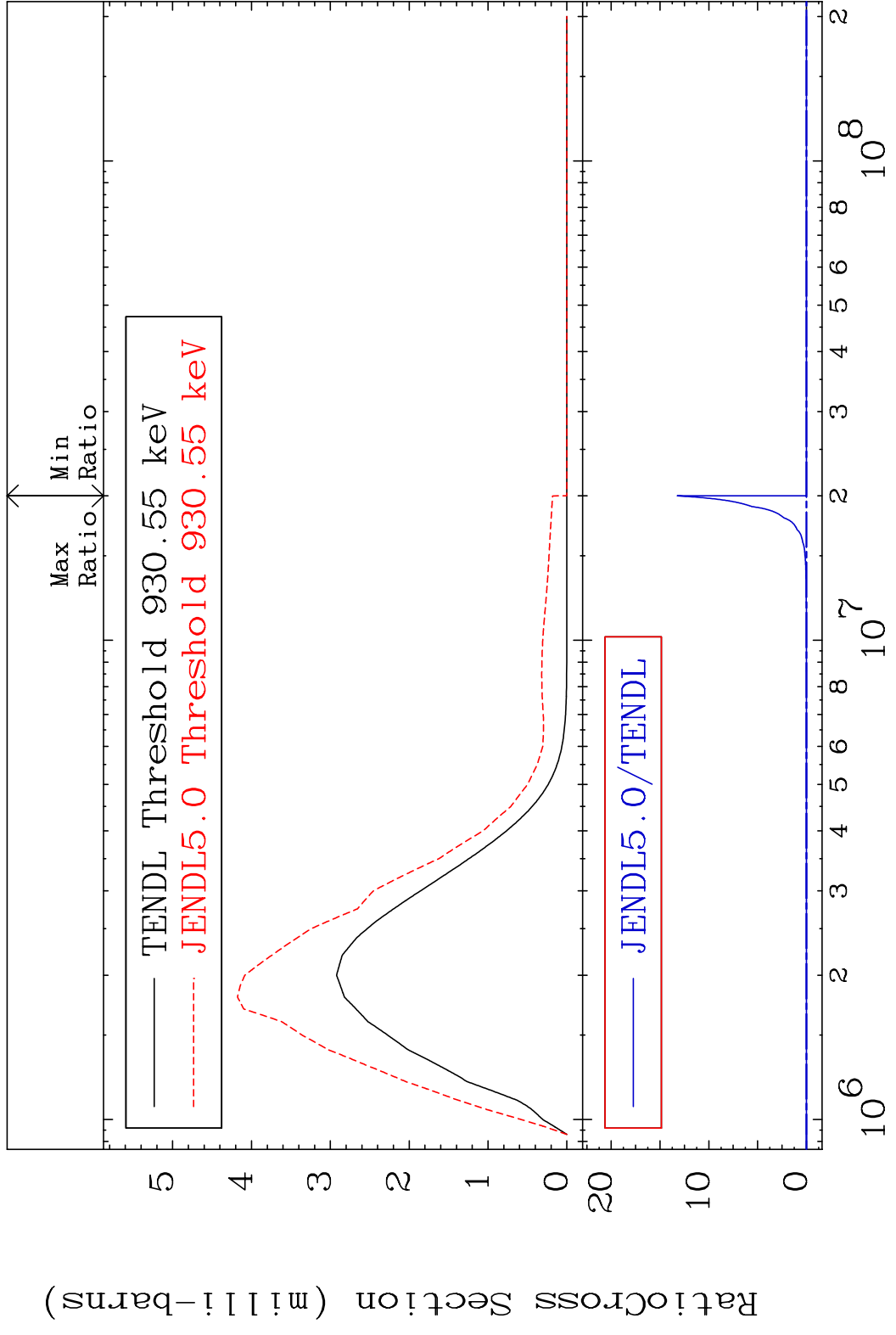
31 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 71 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



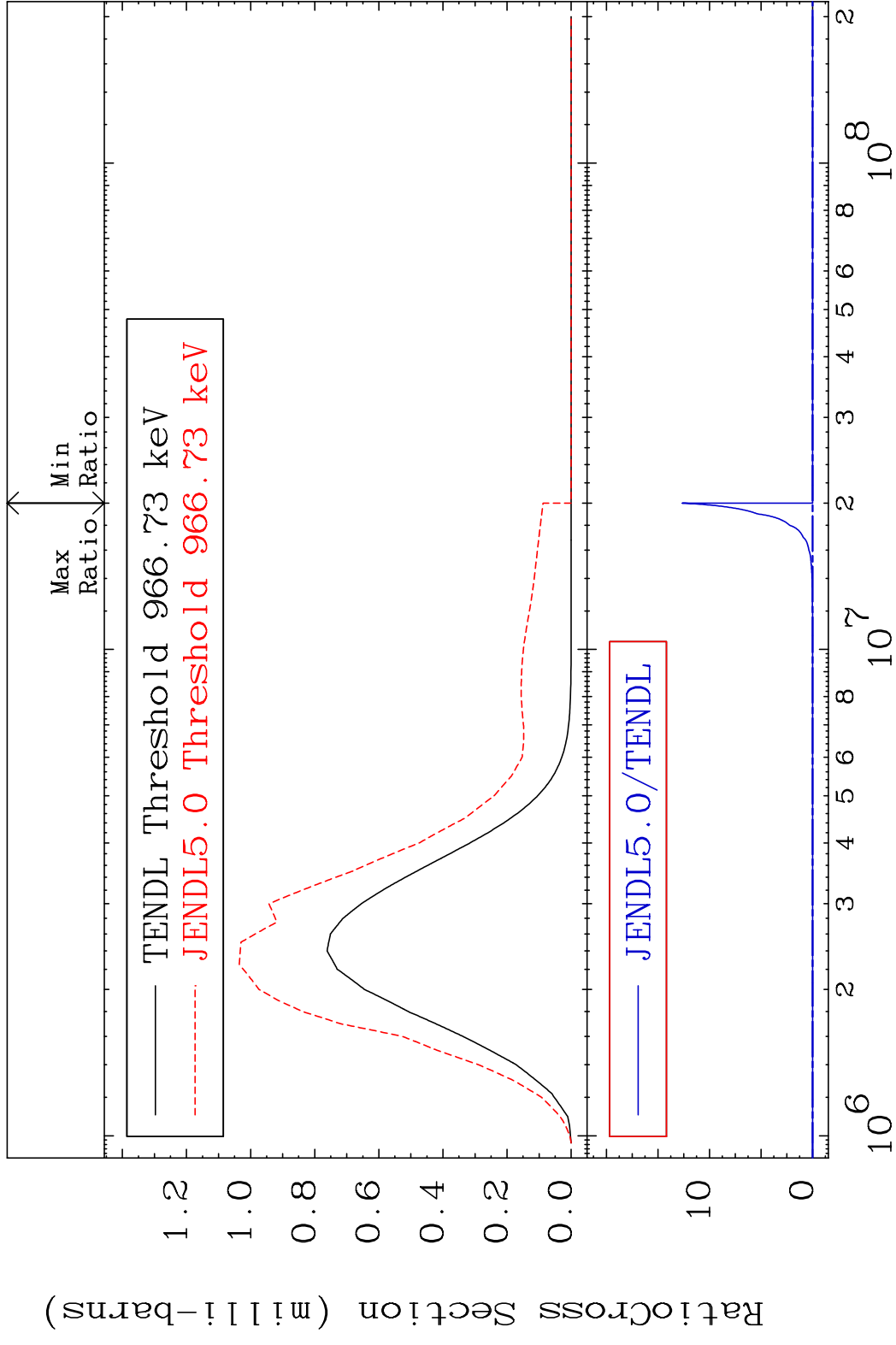
32 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 72 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



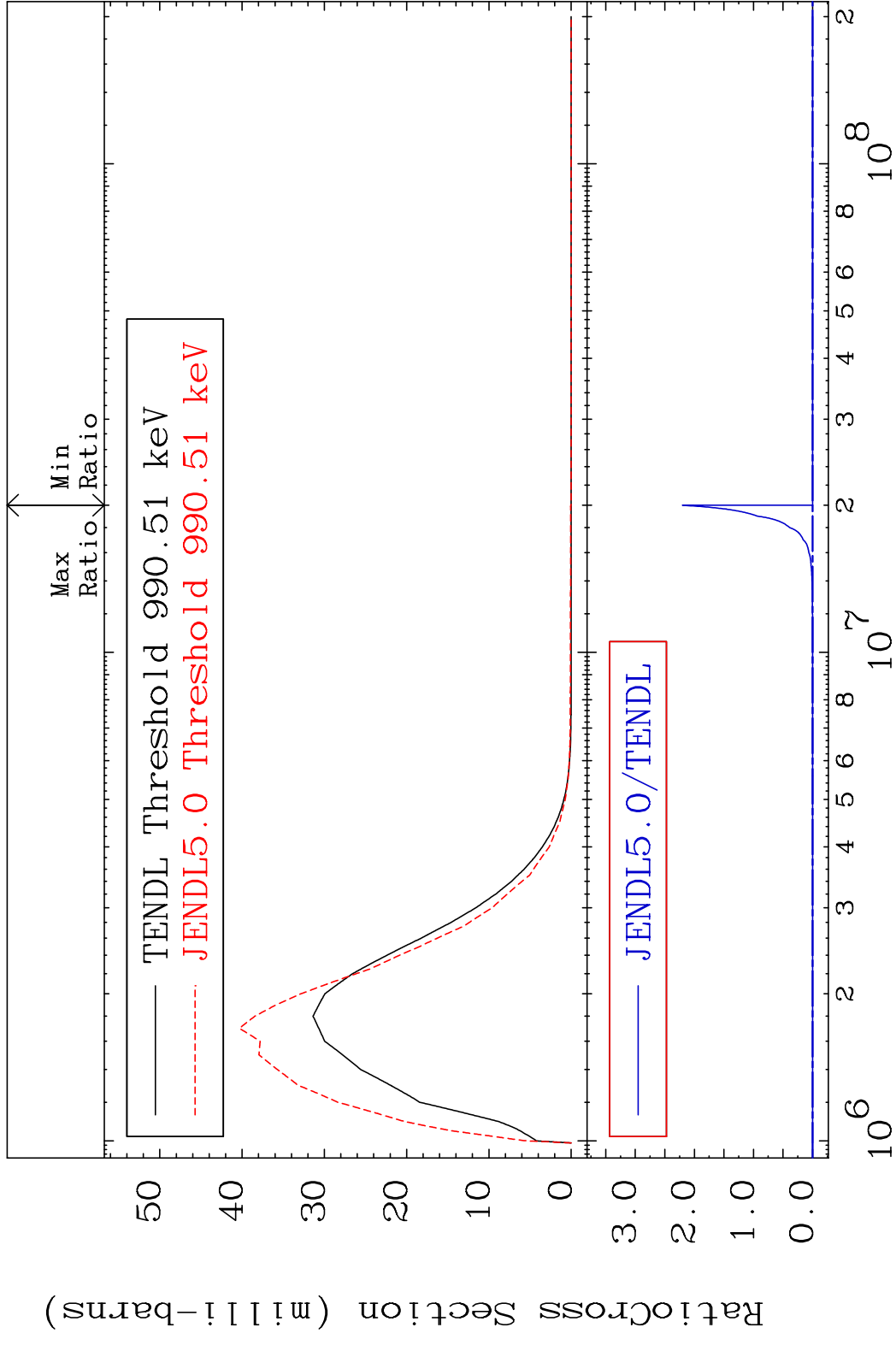
33 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 73 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



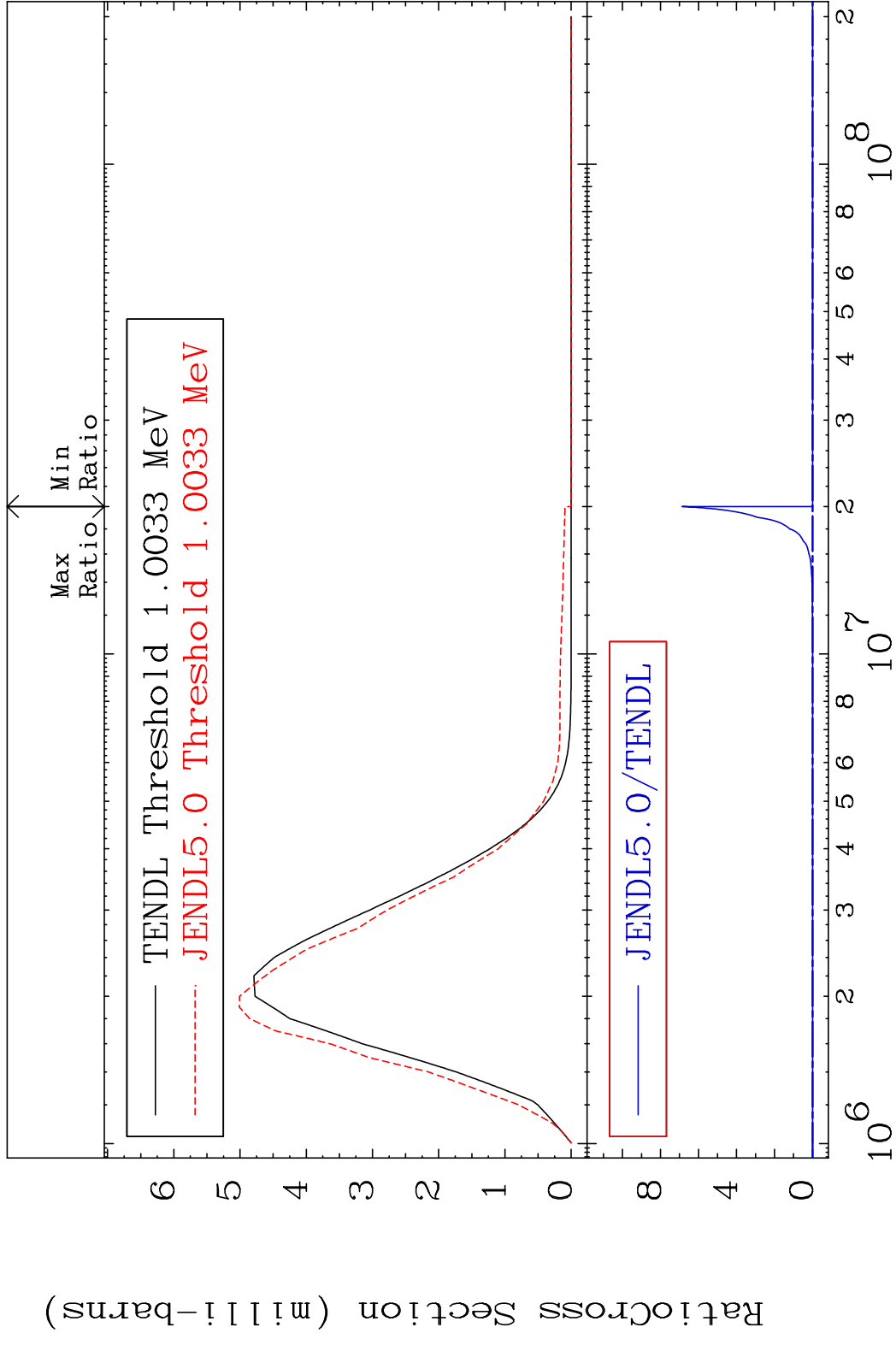
34 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 74 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



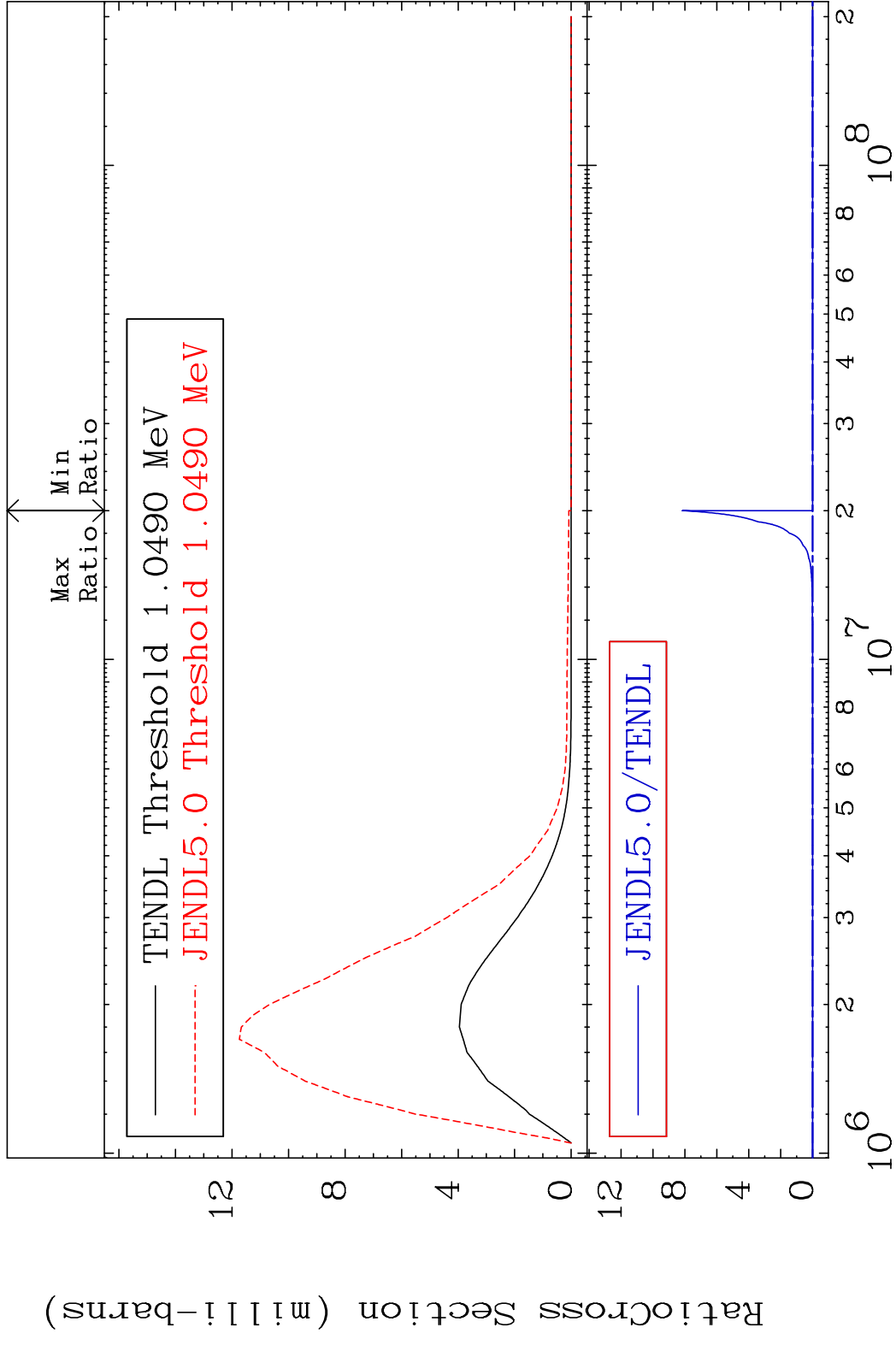
35 56-Ba-133m

MAT 5635 MT= 75 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



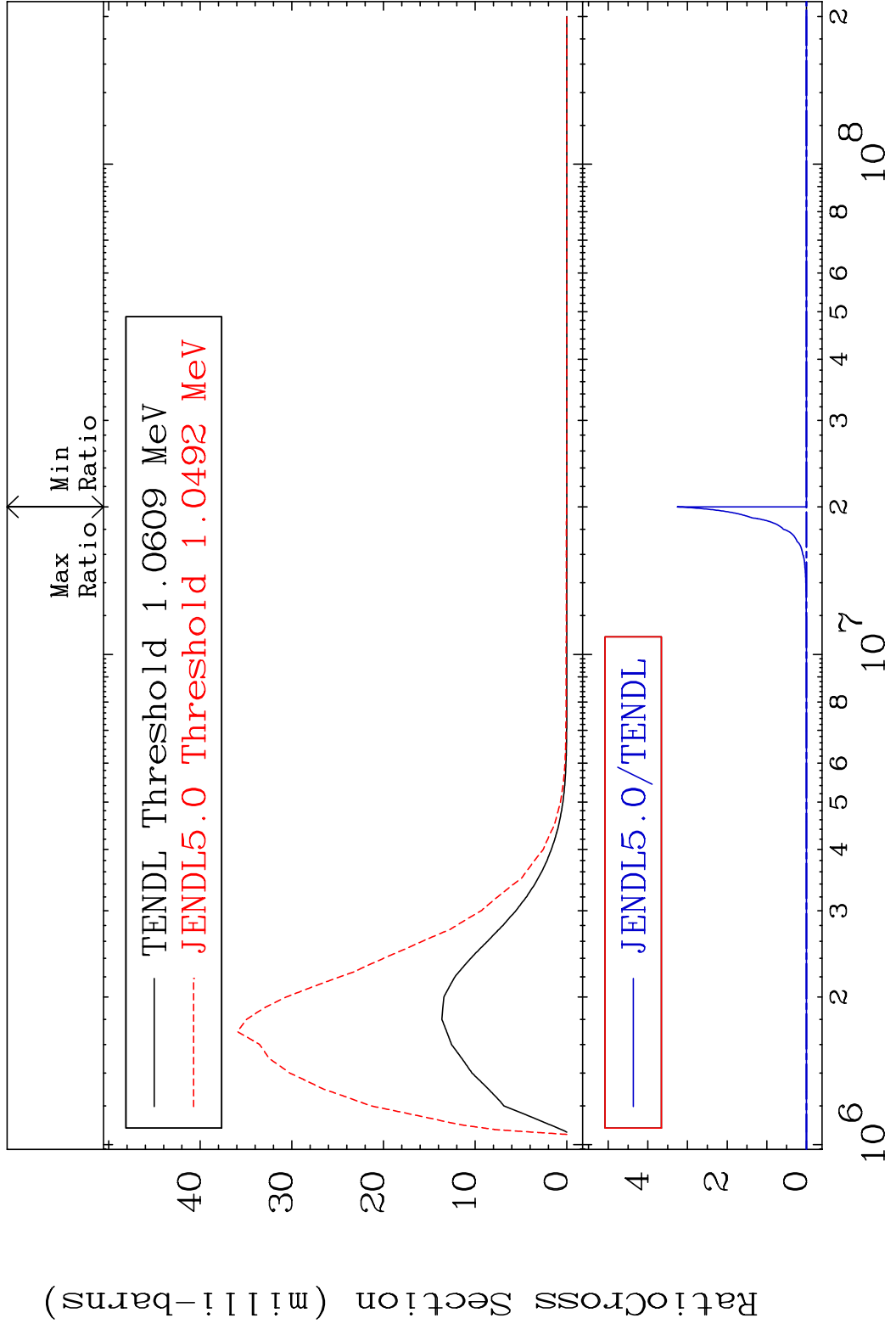
36 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 76 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



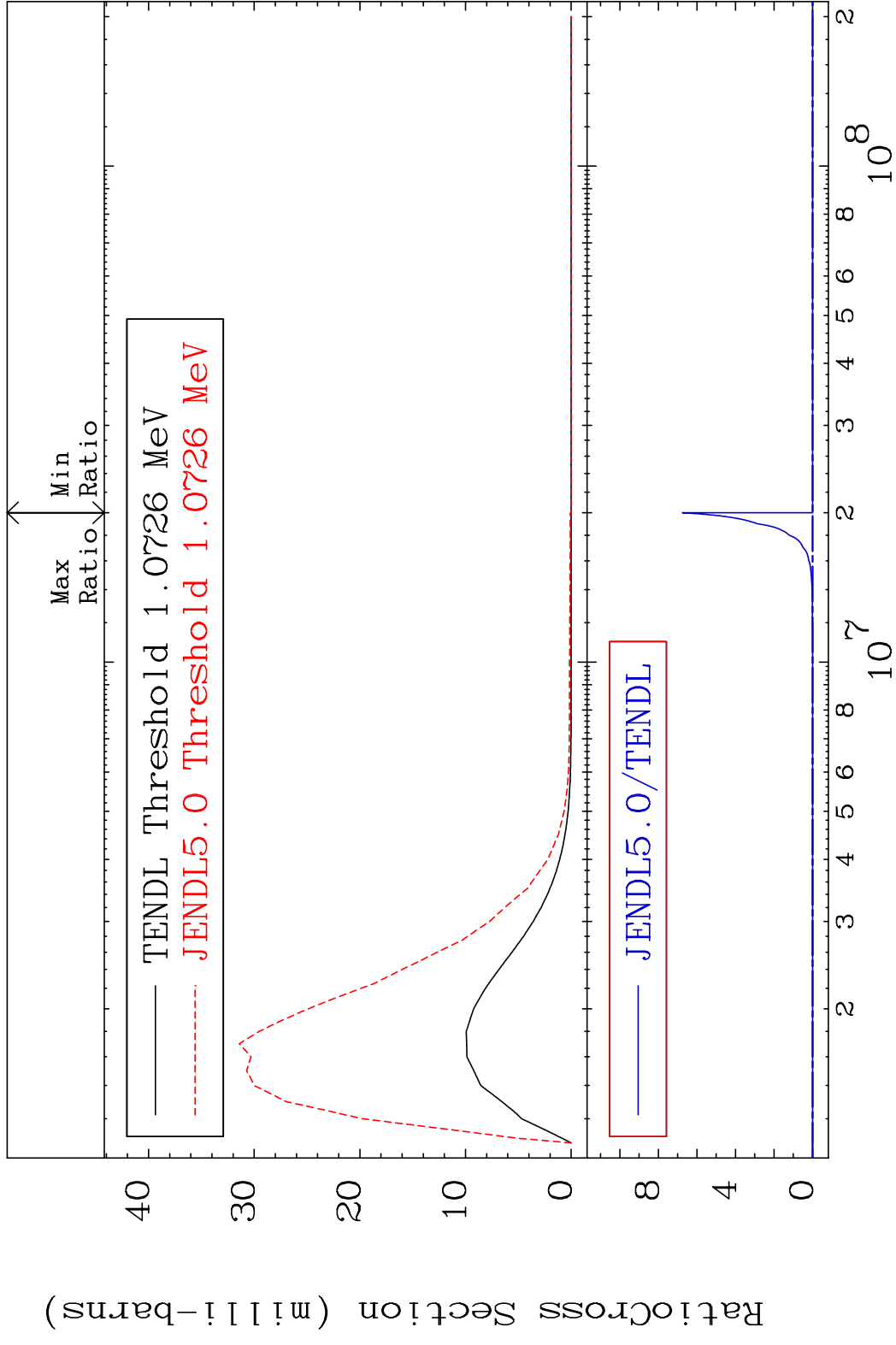
37 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 77 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %

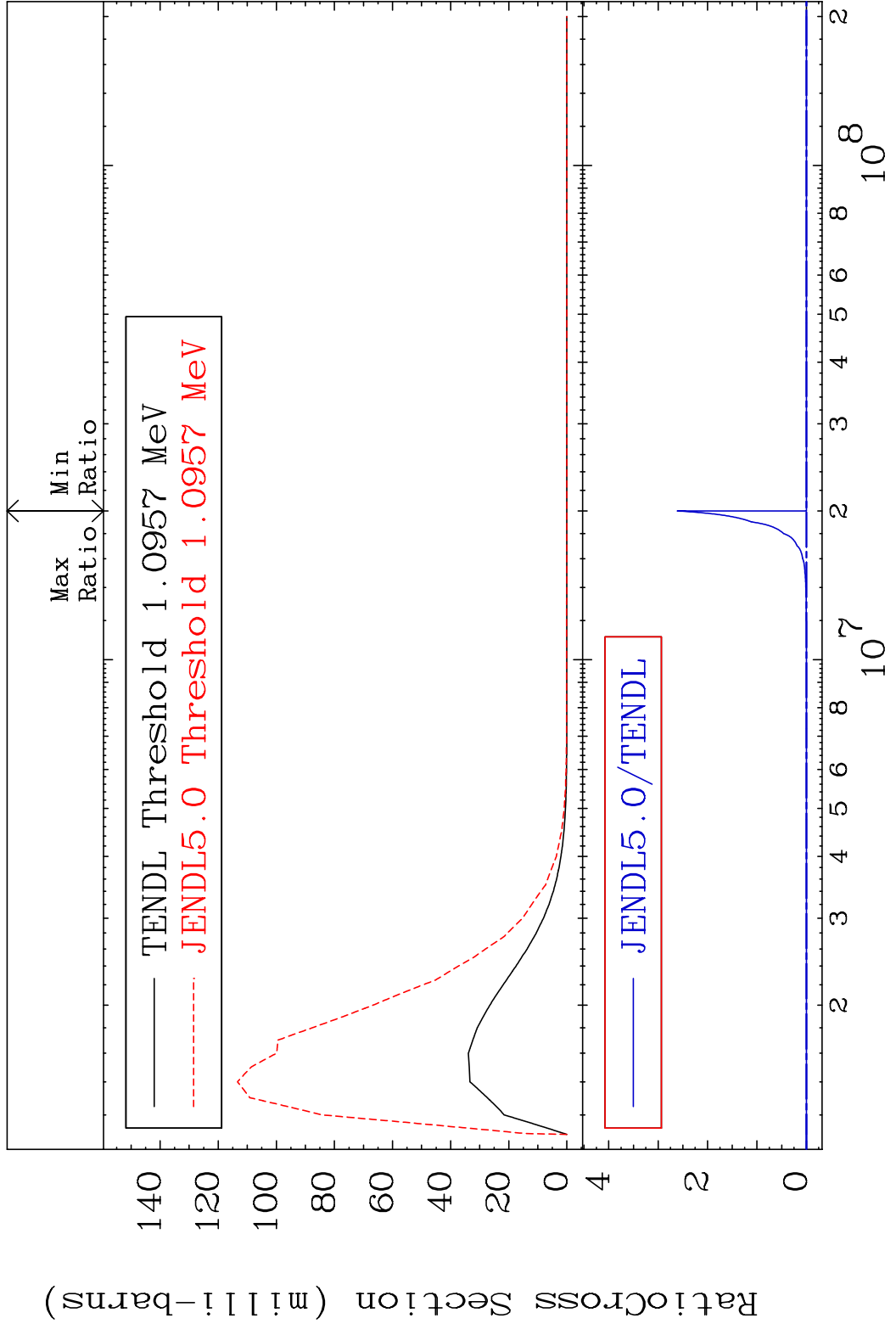


38 Incident Energy (eV) 56-Ba-133m

MAT 5635 MT= 78 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



MAT 5635 MT= 79 (n, n') Level 56-Ba-133m  
 Cross Section -100.0 To 9999. %



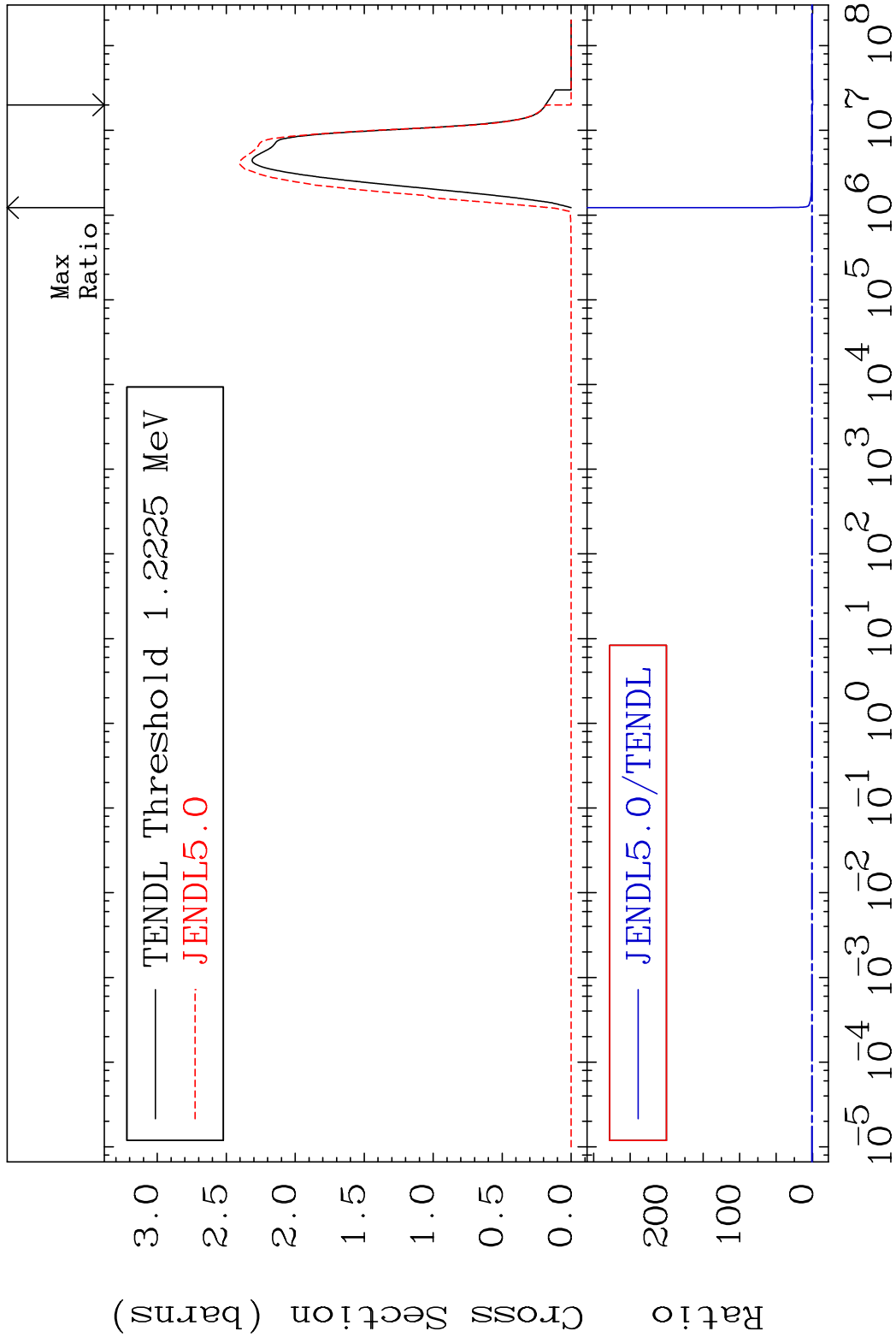
40 Incident Energy (eV) 56-Ba-133m

MAT 5635

(n, n') Continuum

56-Ba-133m

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

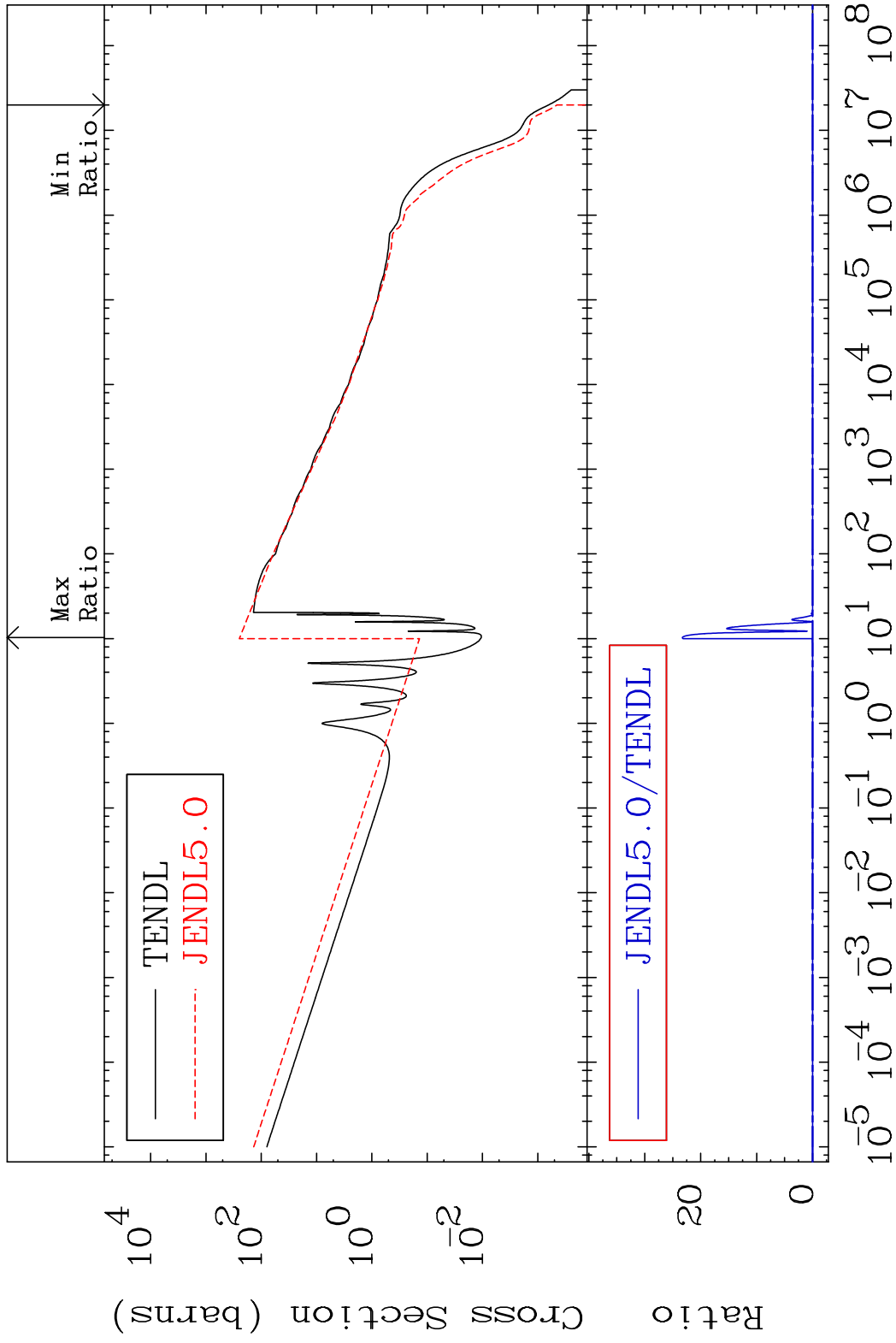
56-Ba-133m

MAT 5635

56-Ba-133m

(n,  $\gamma$ )

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

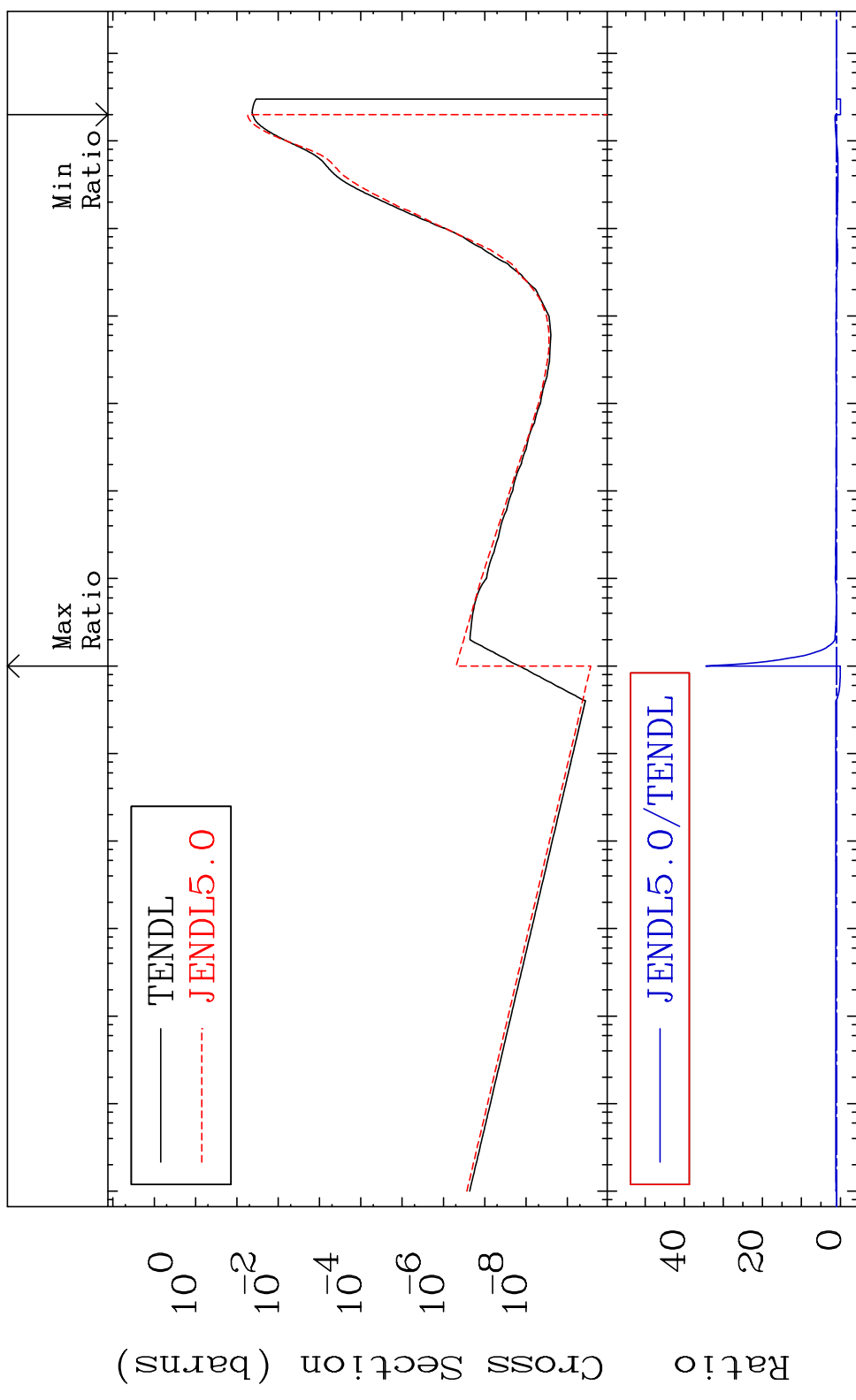
56-Ba-133m

MAT 5635

(n, p)

56-Ba-133m

Cross Section -100.0 To 3350. %

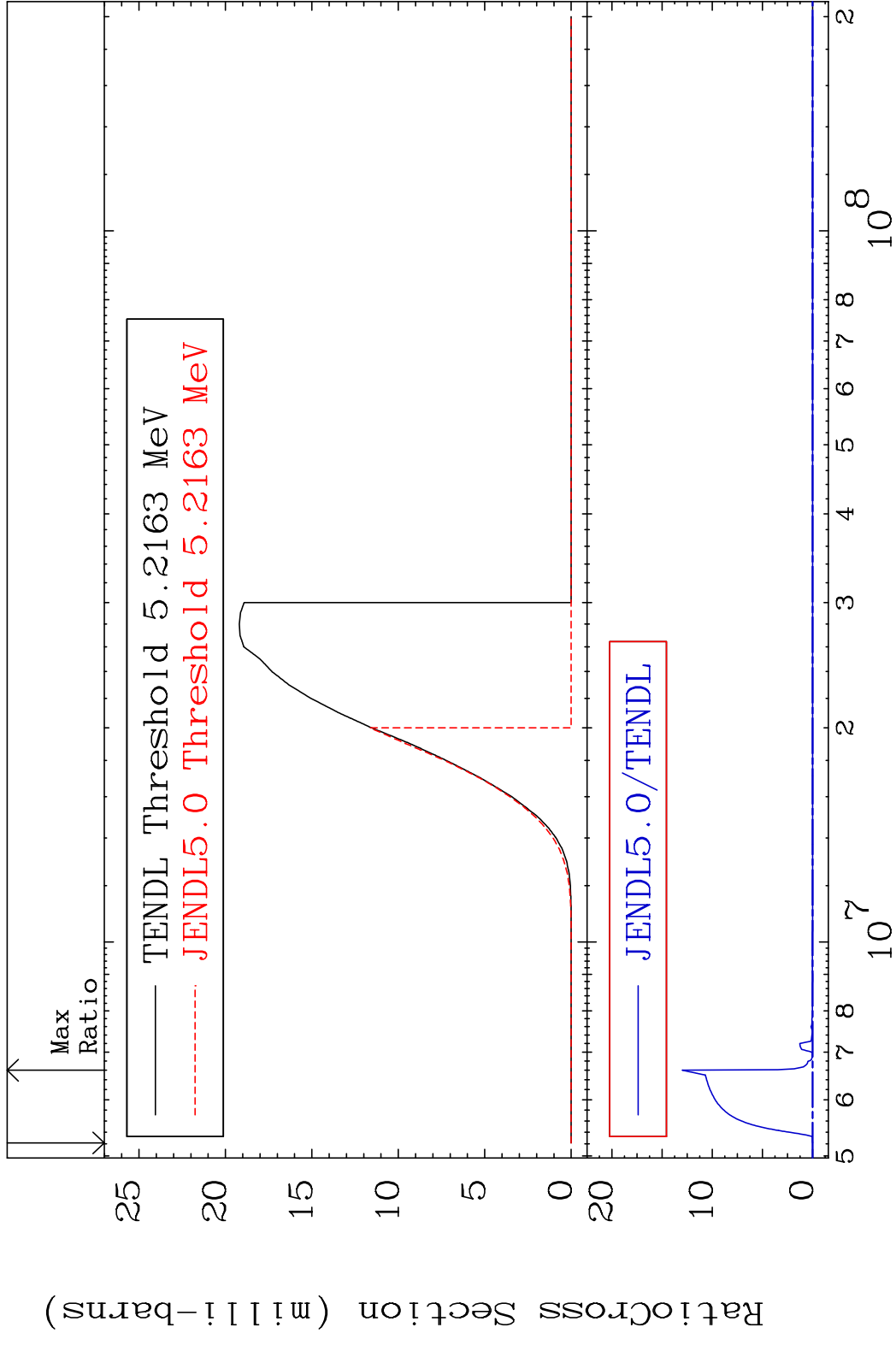


43

Incident Energy (eV)

56-Ba-133m

MAT 5635 (n,d) 56-Ba-133m  
 Cross Section -100.0 To 9999. %



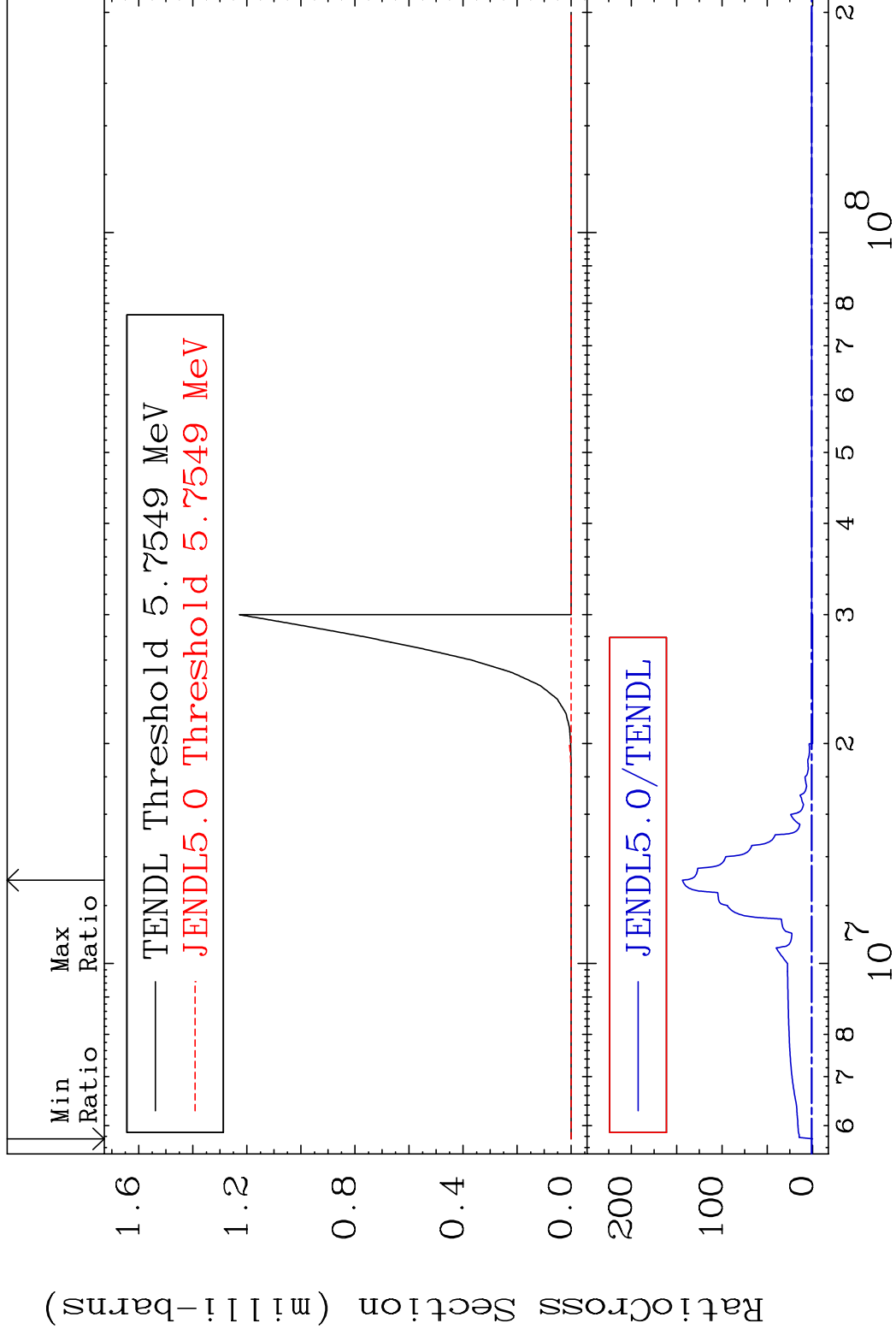


MAT 5635

(n, He-3)

56-Ba-133m

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

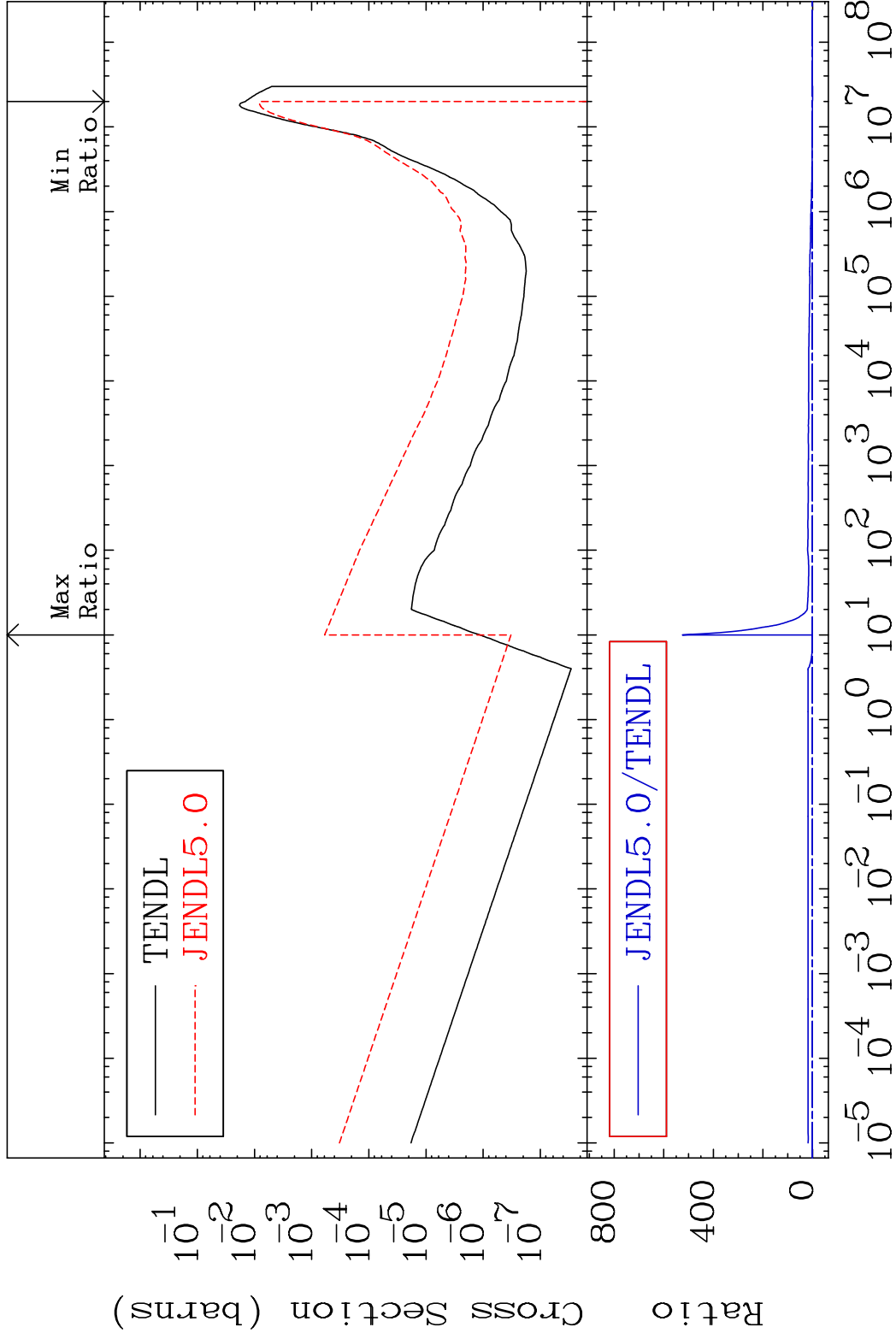
56-Ba-133m

MAT 5635

(n,  $\alpha$ )

56-Ba-133m

Cross Section -100.0 To 9999. %

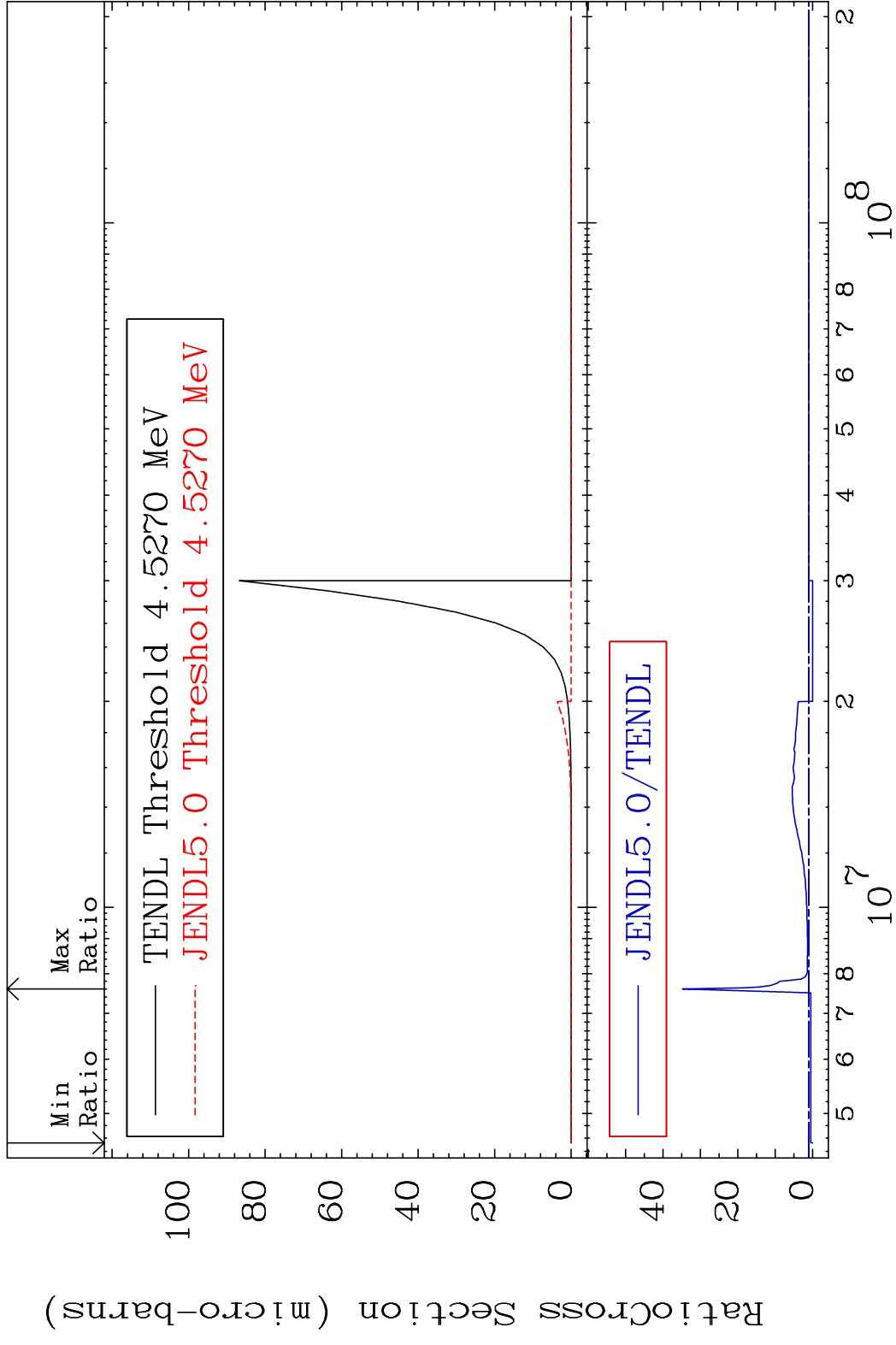


47

Incident Energy (eV)

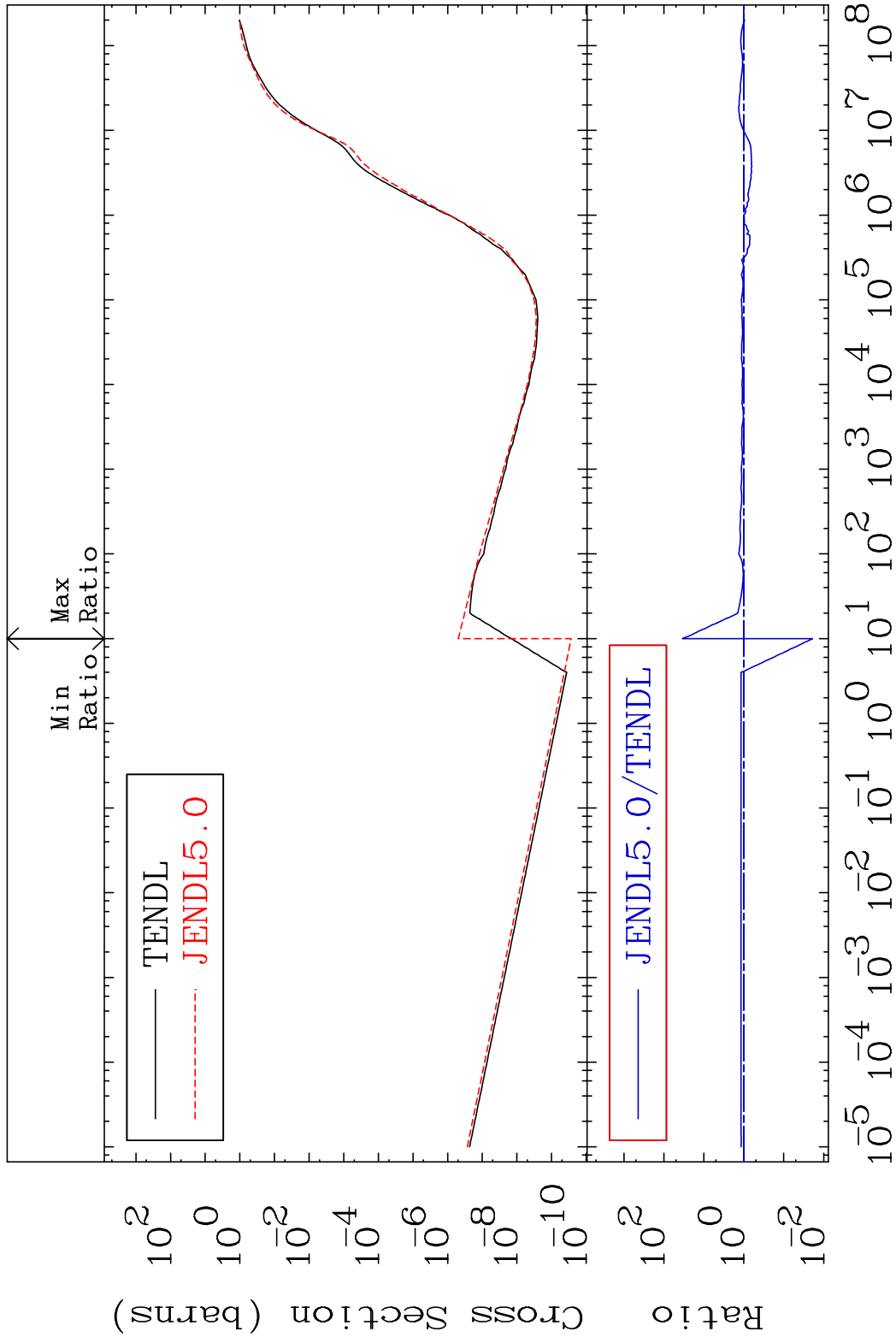
56-Ba-133m

MAT 5635 (n,2p) 56-Ba-133m  
 Cross Section -100.0 To 3384. %



MAT 5635

Hydrogen Production 56-Ba-133m  
Cross Section -98.10 To 3350. %

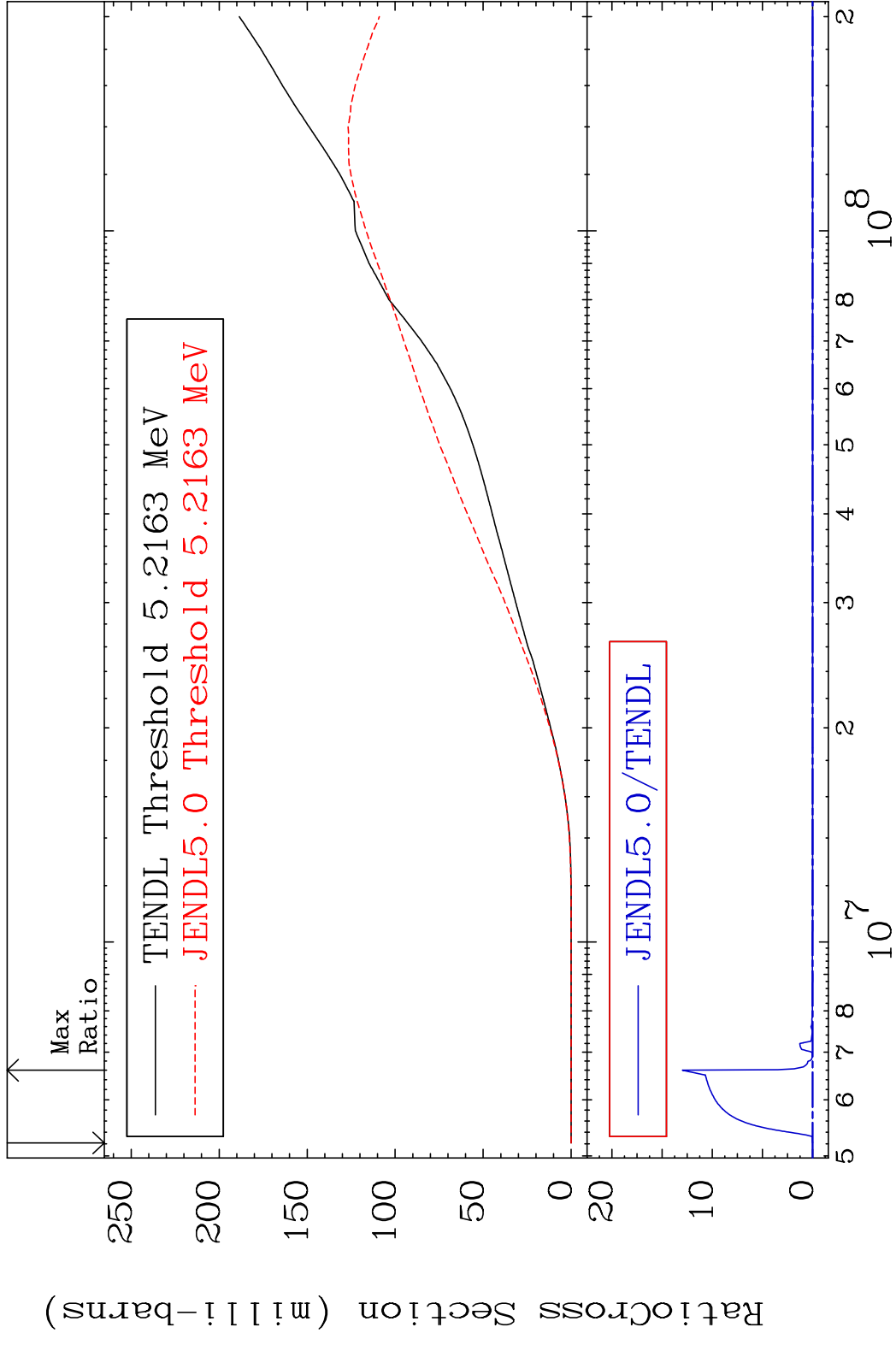


49

Incident Energy (eV)

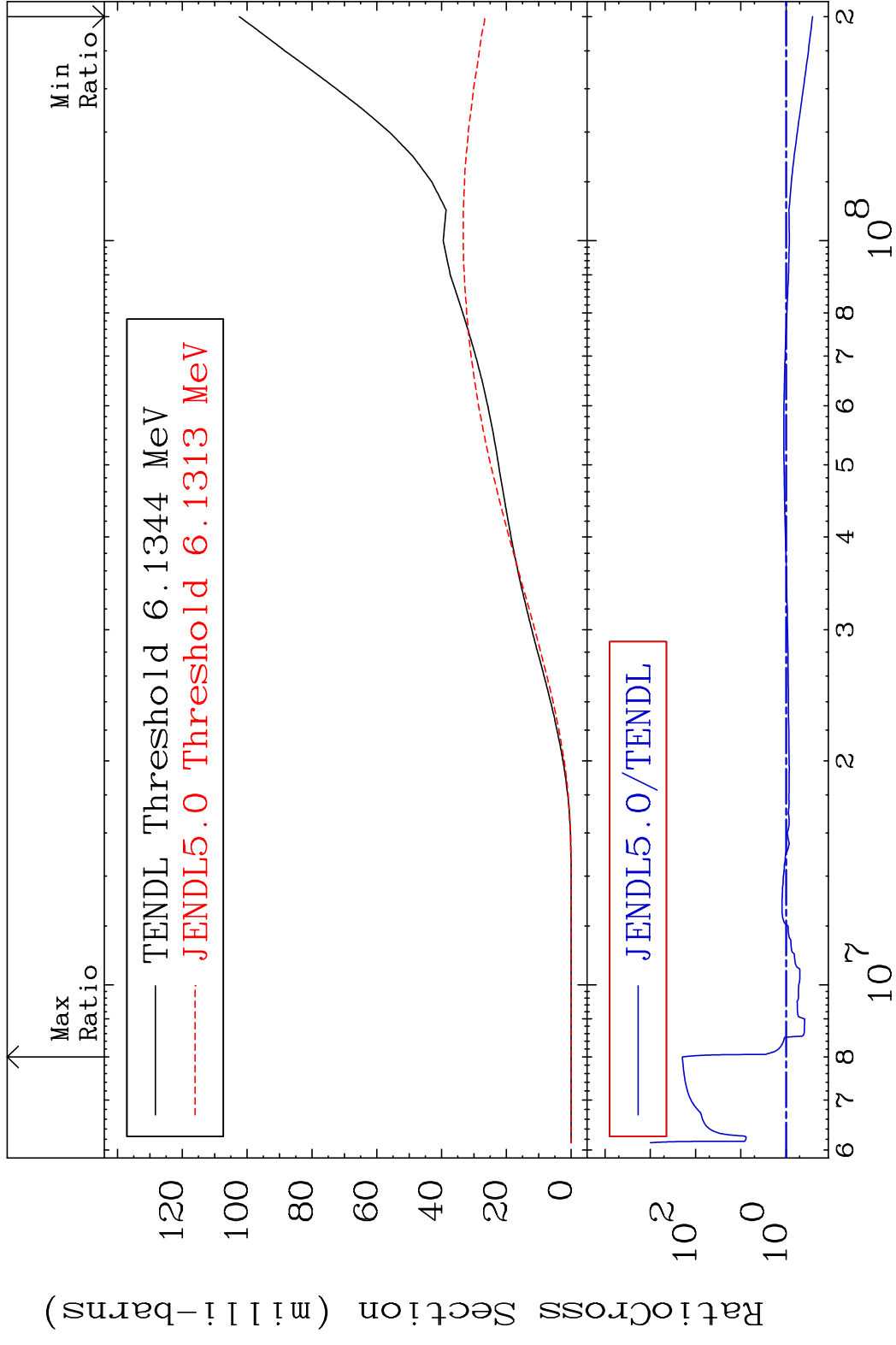
56-Ba-133m

MAT 5635 Deuterium Production 56-Ba-133m  
 Cross Section -100.0 To 9999. %

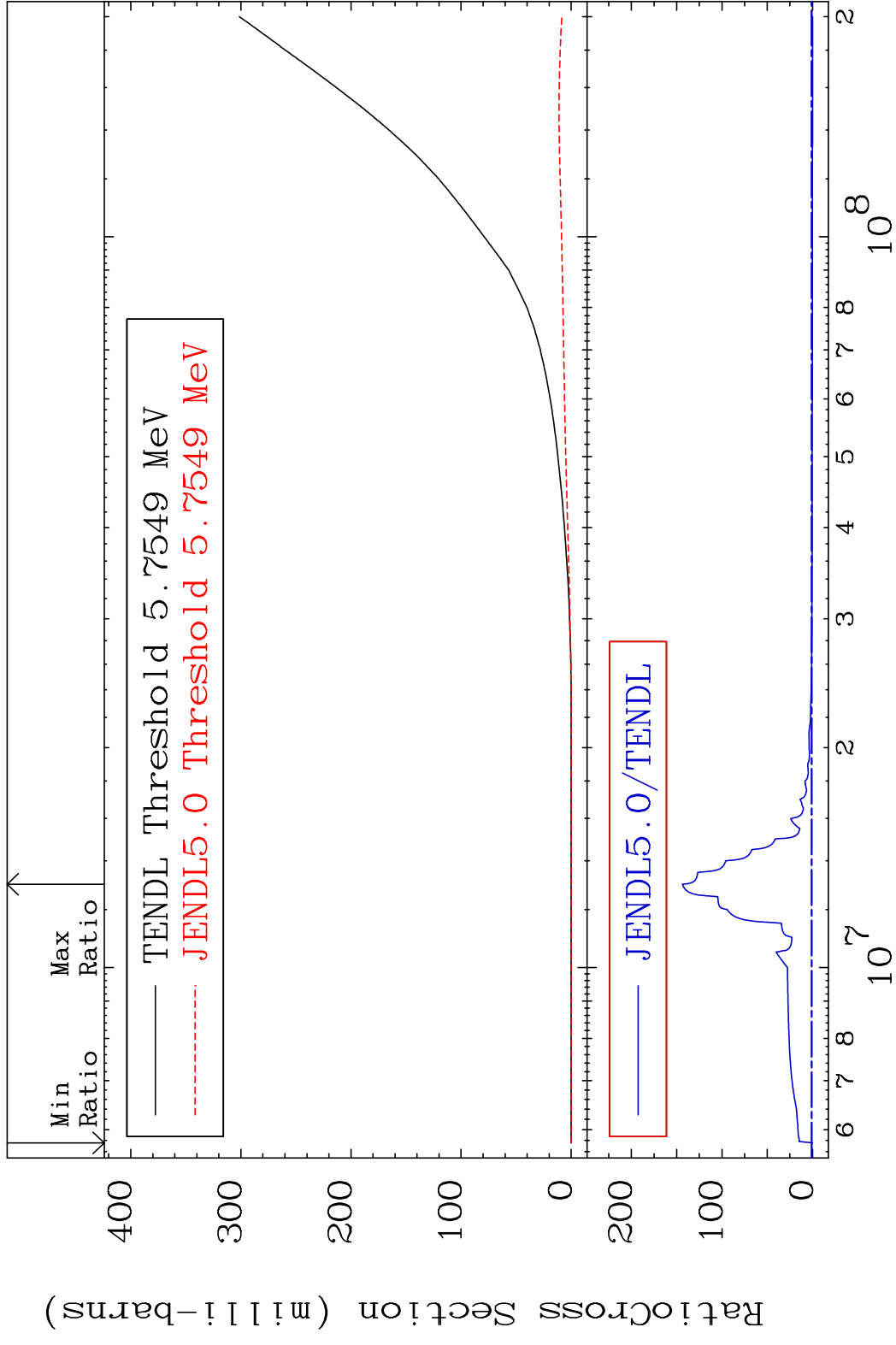


50 56-Ba-133m

MAT 5635 Tritium Production 56-Ba-133m  
 Cross Section -74.05 To 9999. %



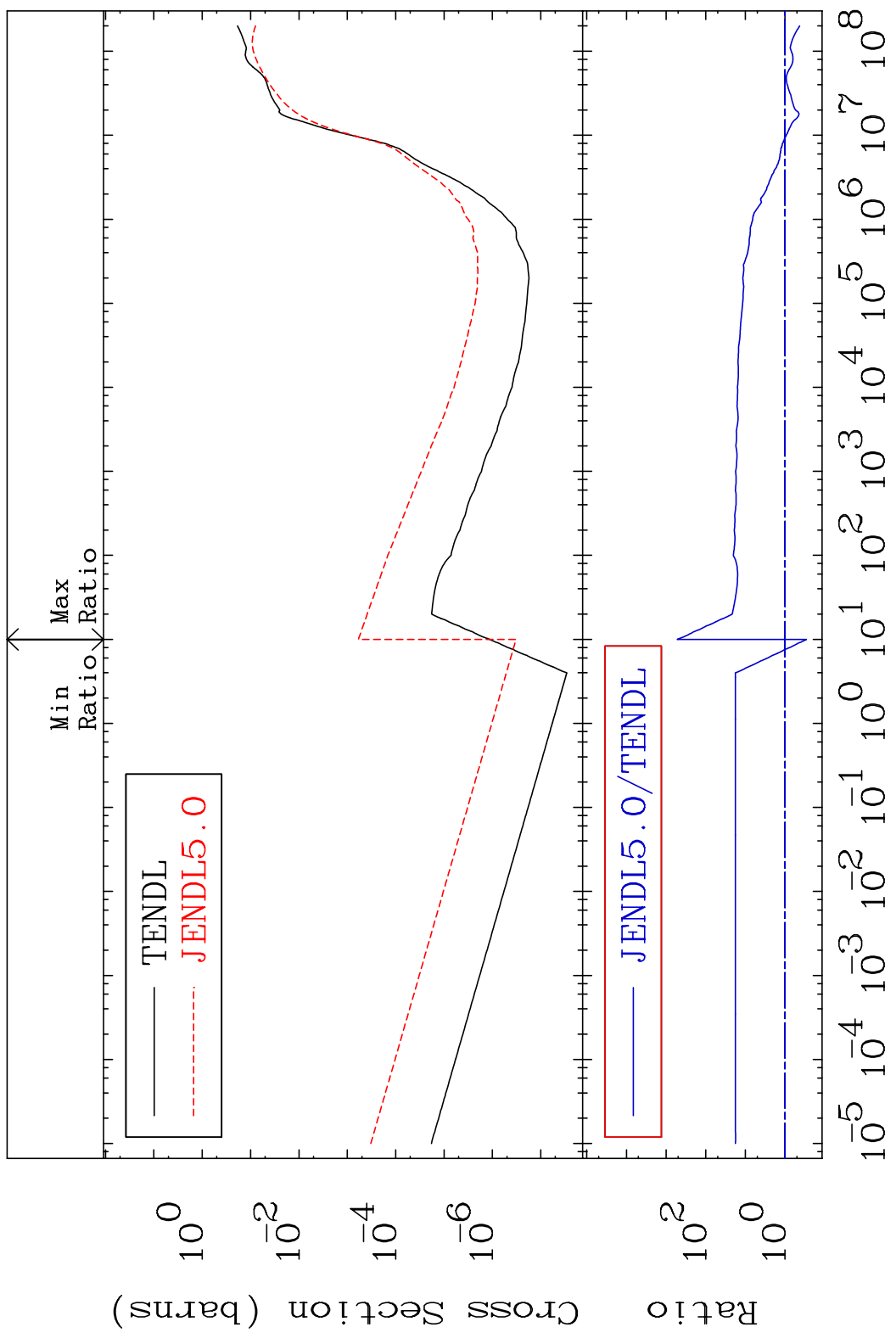
MAT 5635 He-3 Production 56-Ba-133m  
 Cross Section -100.0 To 9999. %



52 Incident Energy (eV) 56-Ba-133m

MAT 5635

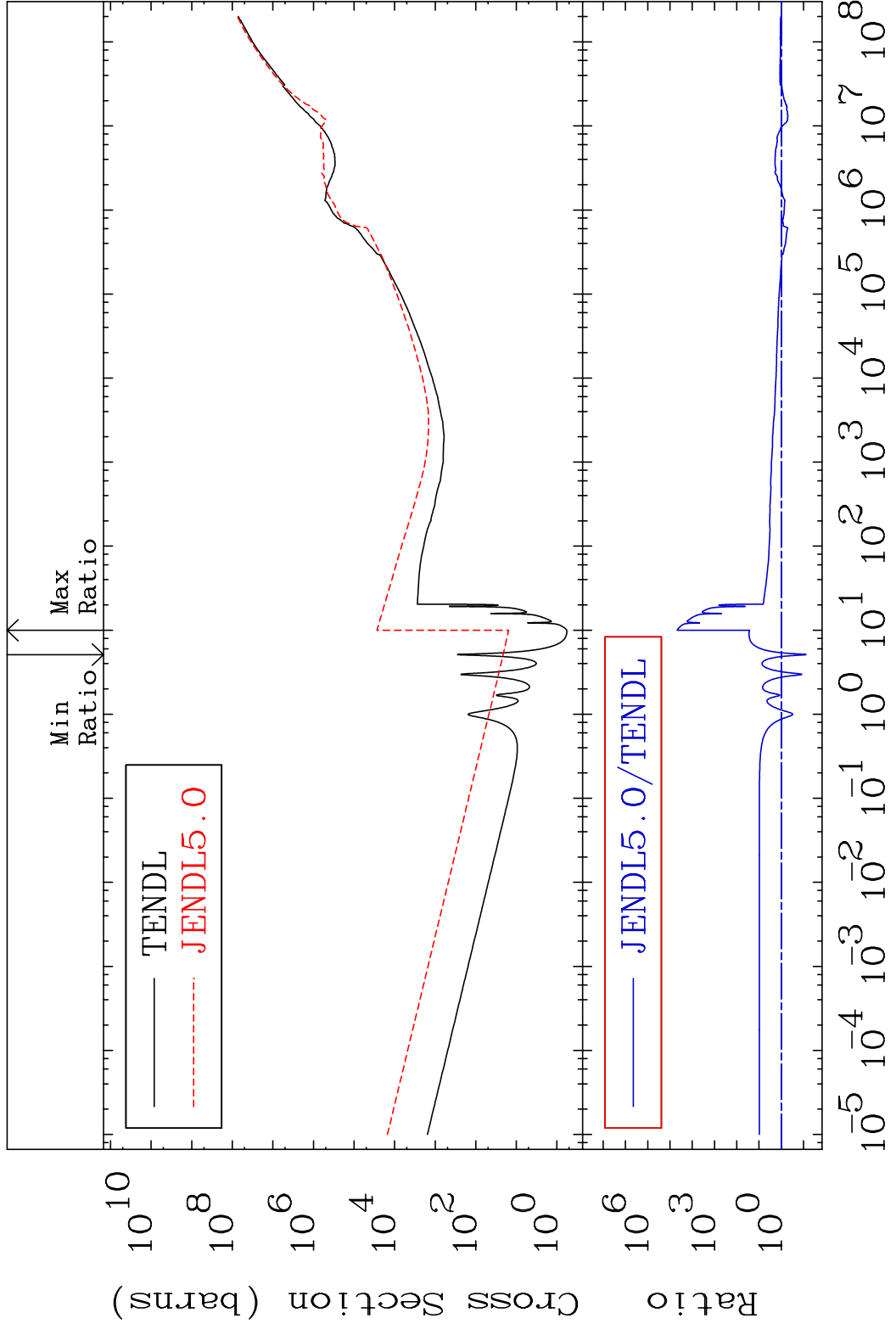
He-4 Production 56-Ba-133m  
Cross Section -71.09 To 9999. %



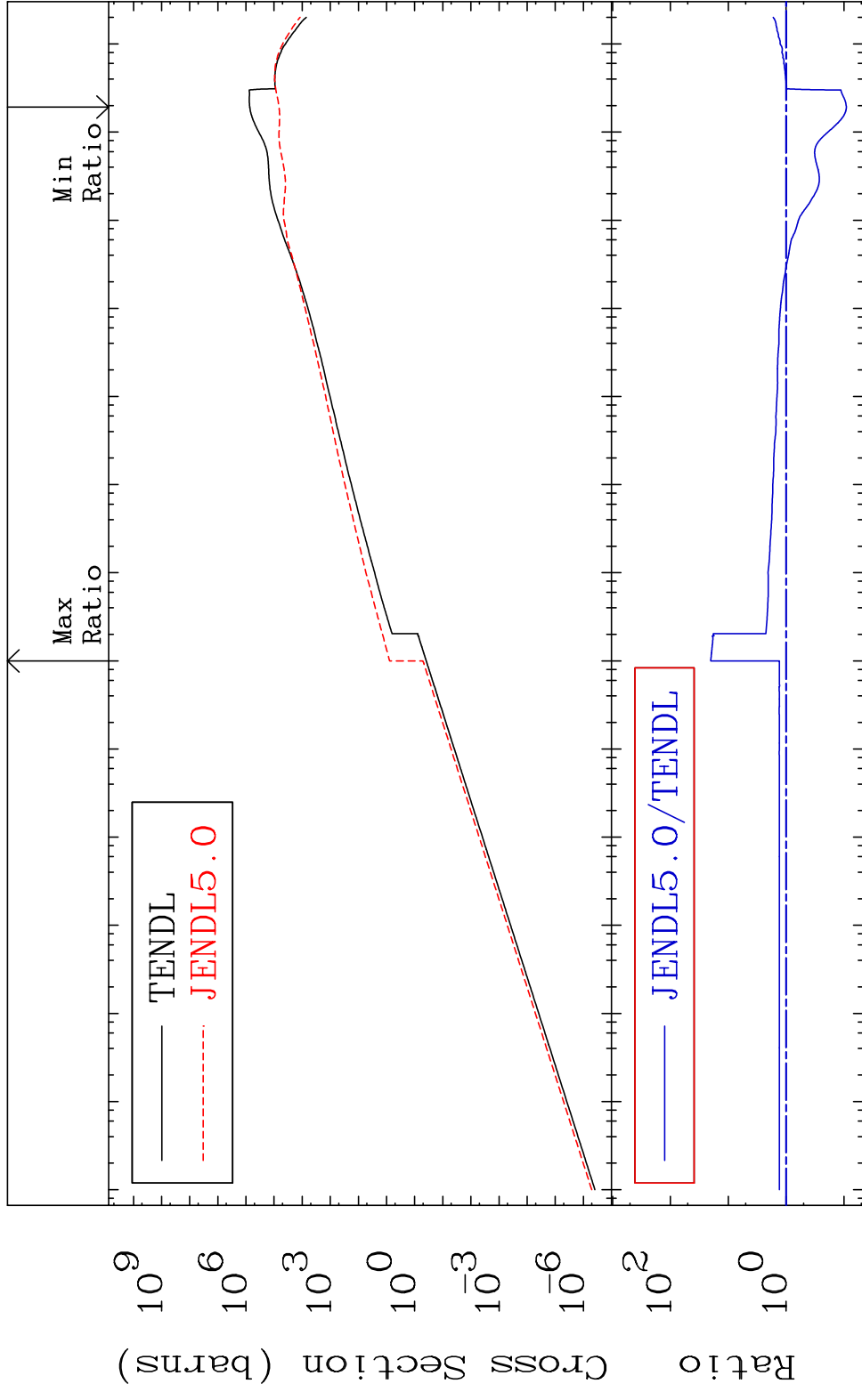
53

Incident Energy (eV) 56-Ba-133m

MAT 5635 Kerma total (eV-barns) 56-Ba-133m  
 Cross Section -92.57 To 9999. %

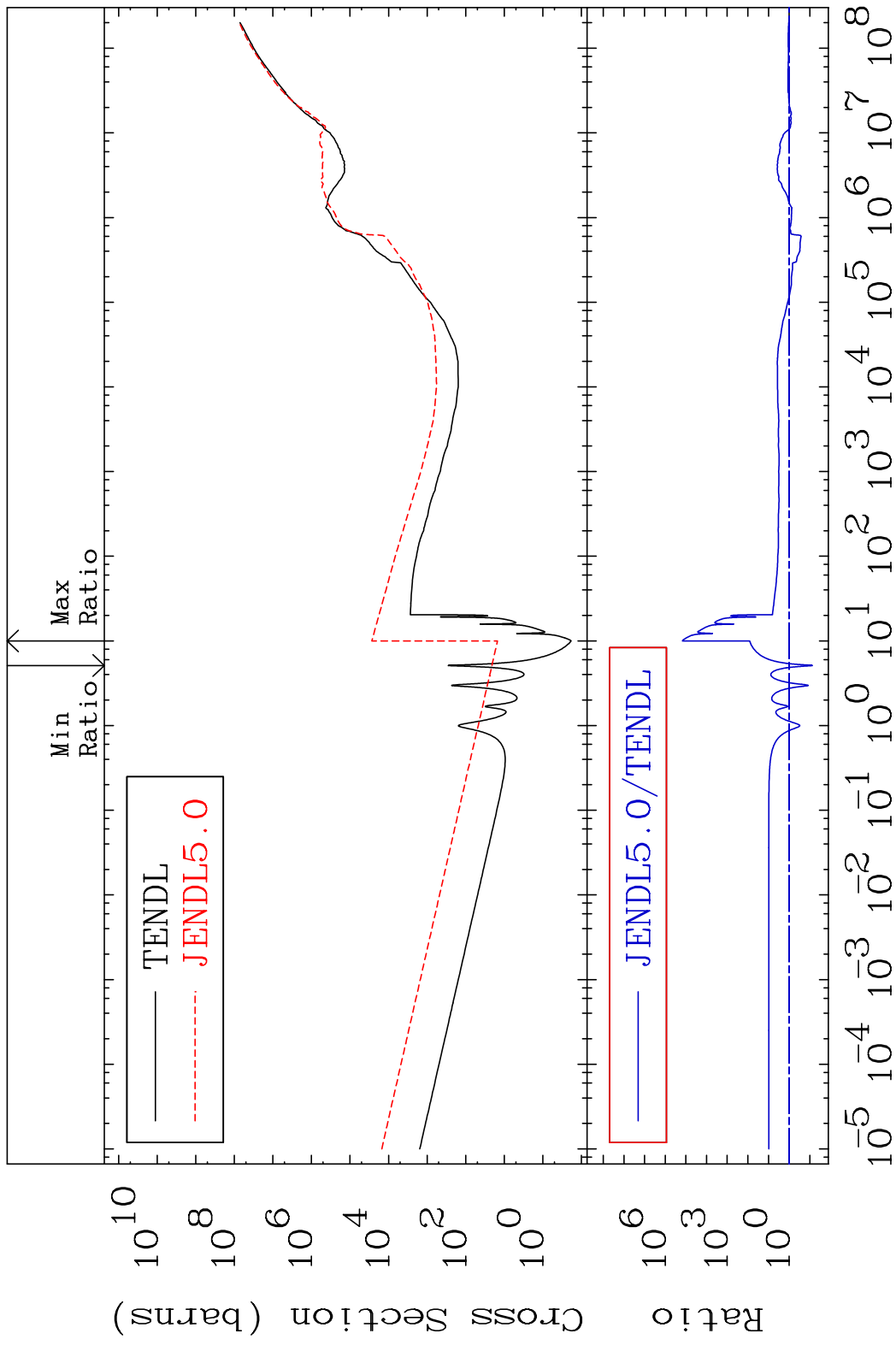


MAT 5635      Kerma elastic      56-Ba-133m  
 Cross Section      -90.90 To 1909. %



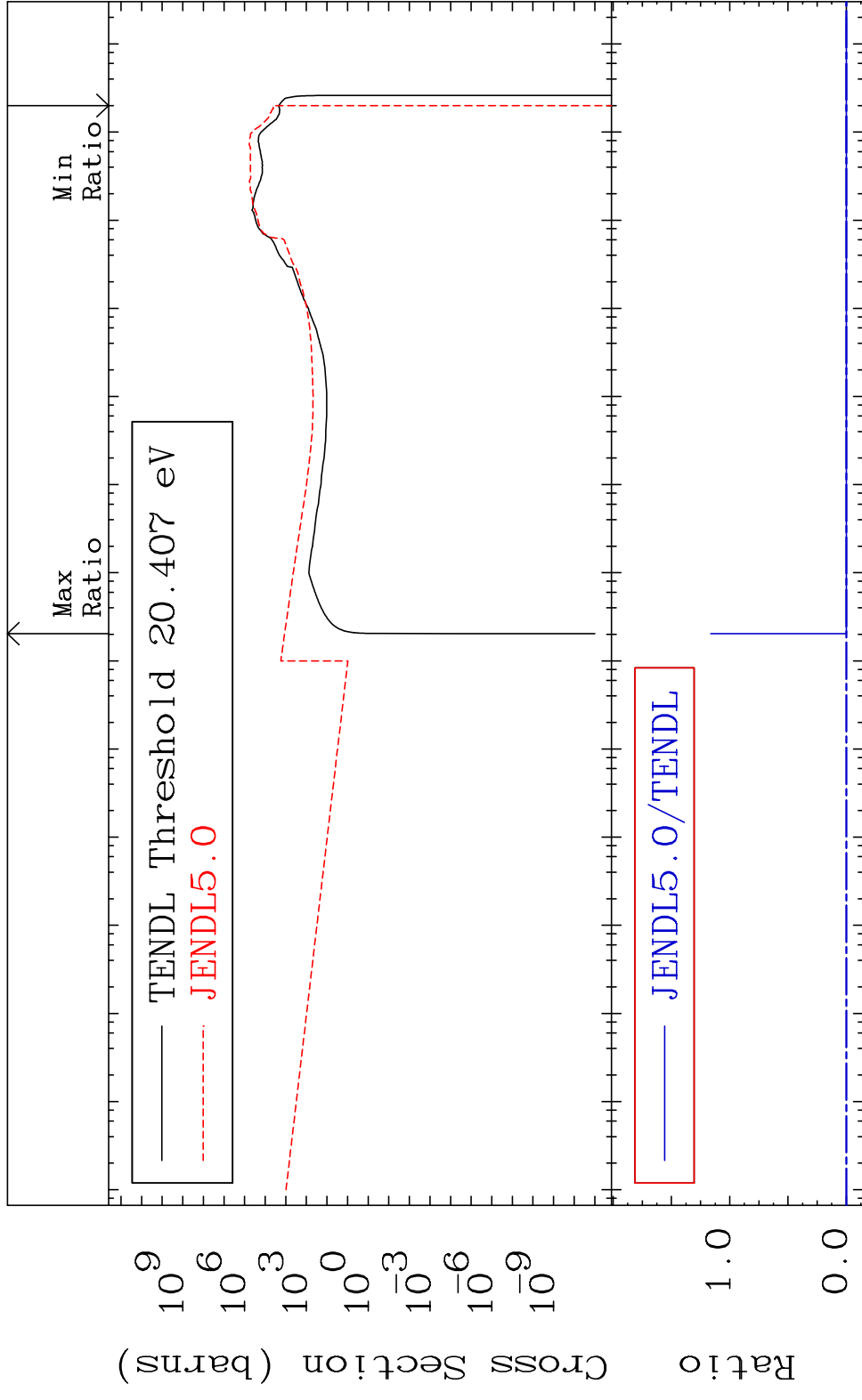
55      Incident Energy (eV)      56-Ba-133m

MAT 5635 Kerma non-elastic (all but mt2) 56-Ba-133m  
 Cross Section -92.66 To 9999. %



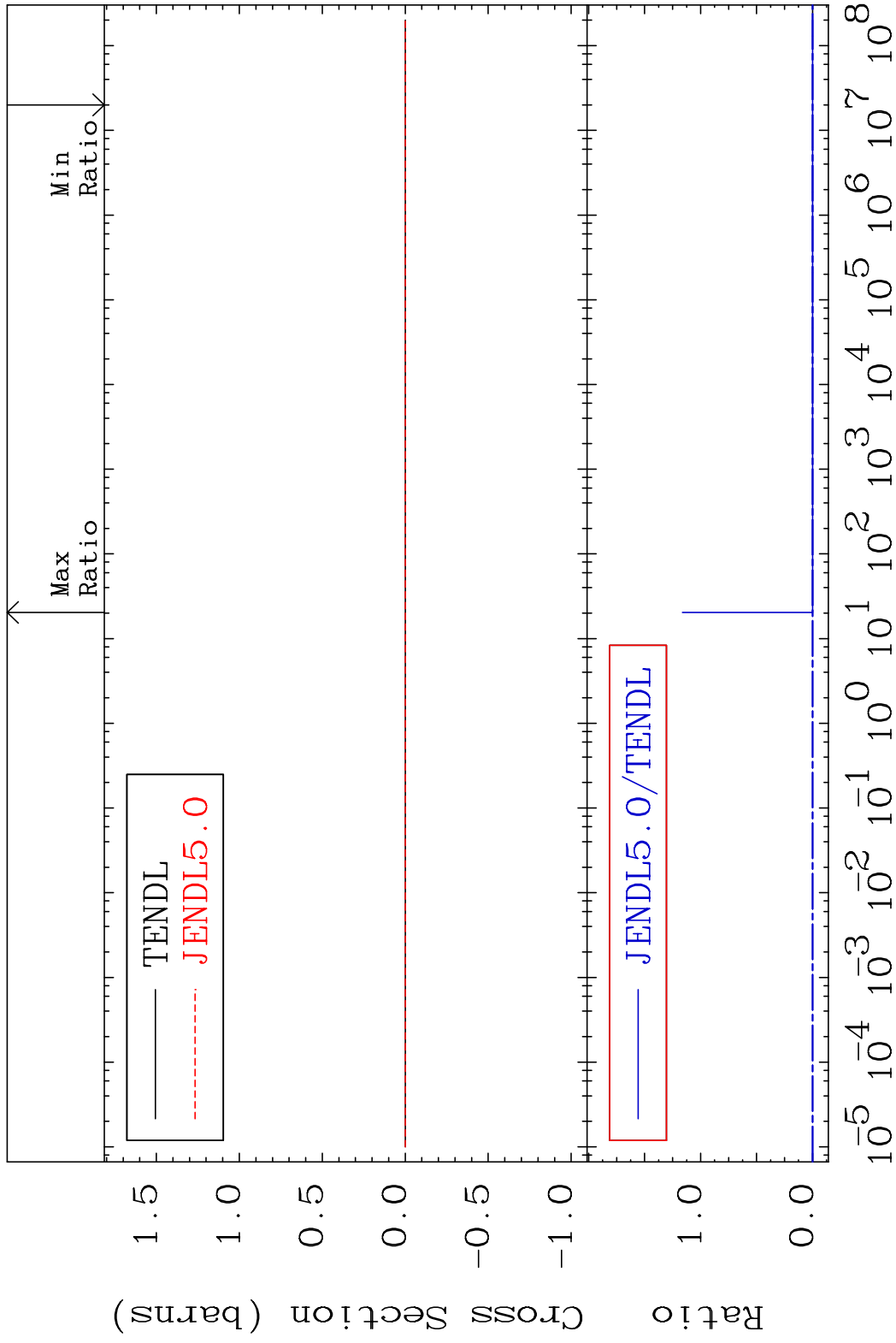
56 Incident Energy (eV) 56-Ba-133m

MAT 5635 Kerma inelastic (mt51-91) 56-Ba-133m  
 Cross Section -100.0 To 9999. %

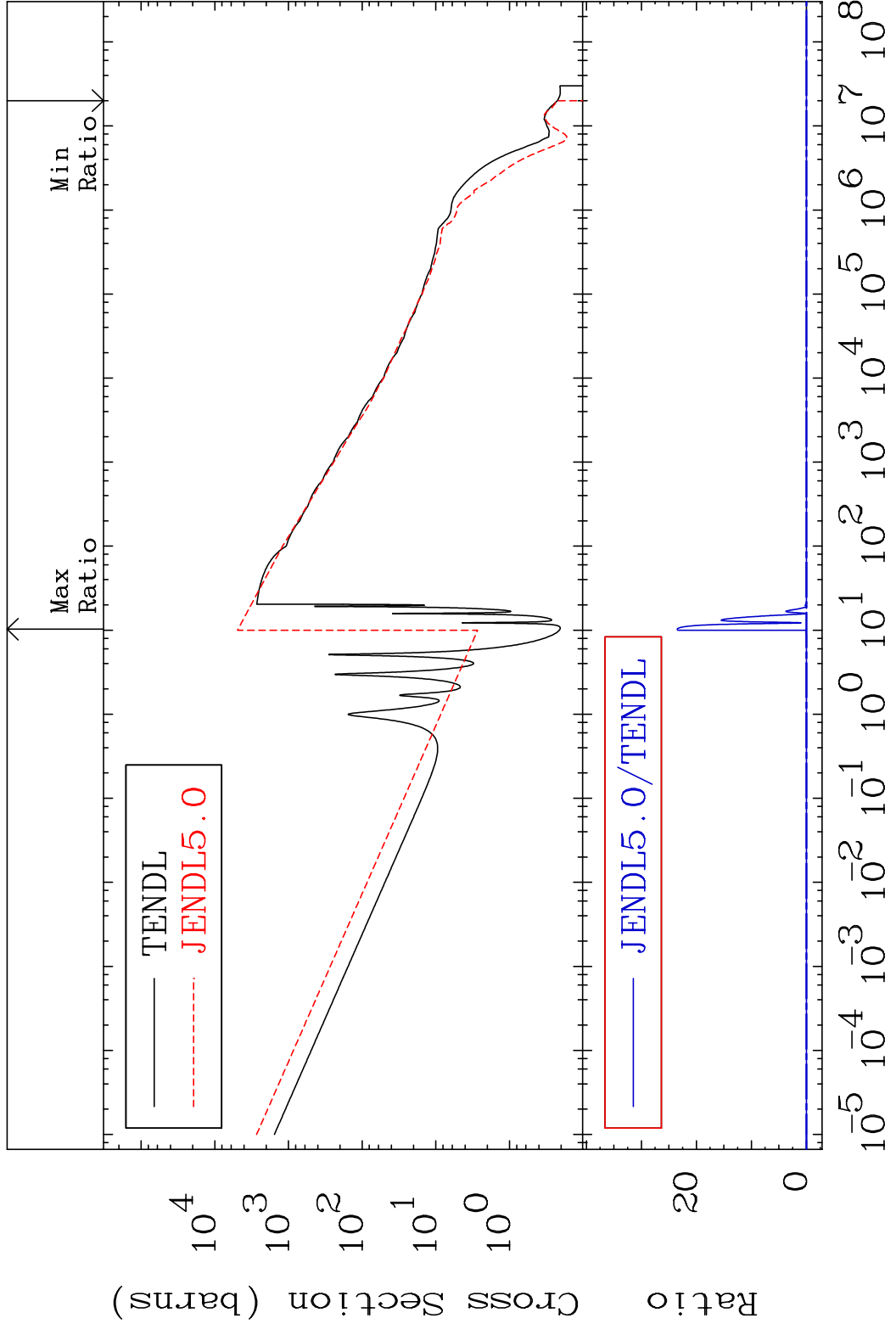


57 Incident Energy (eV) 56-Ba-133m

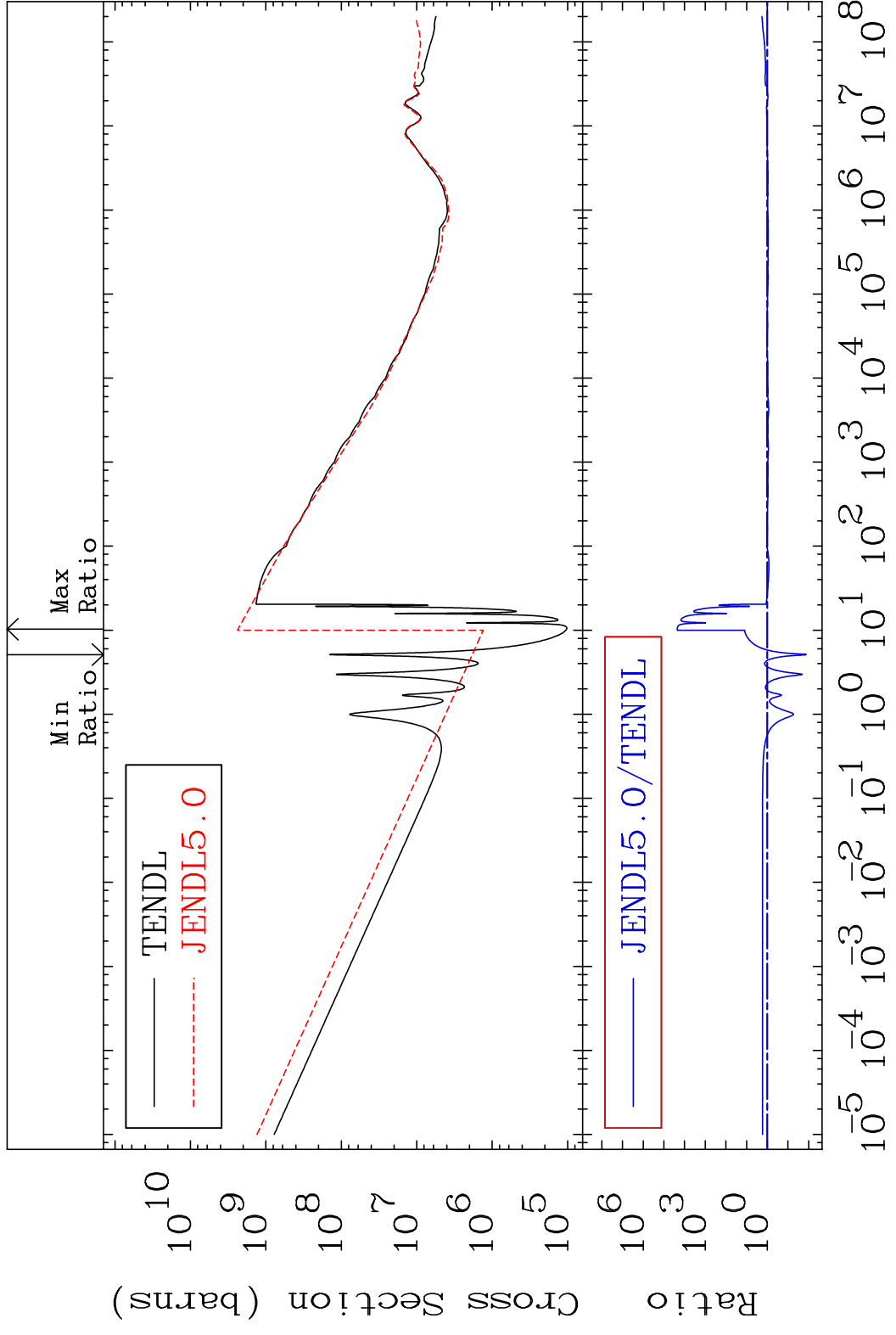
MAT 5635 Kerma fission (mt18 or mt19-20-21-35) 56-Ba-133m  
 Cross Section -100.0 To 9999. %



MAT 5635 Kerma capture (mt102) 56-Ba-133m  
 Cross Section -100.0 To 9999. %

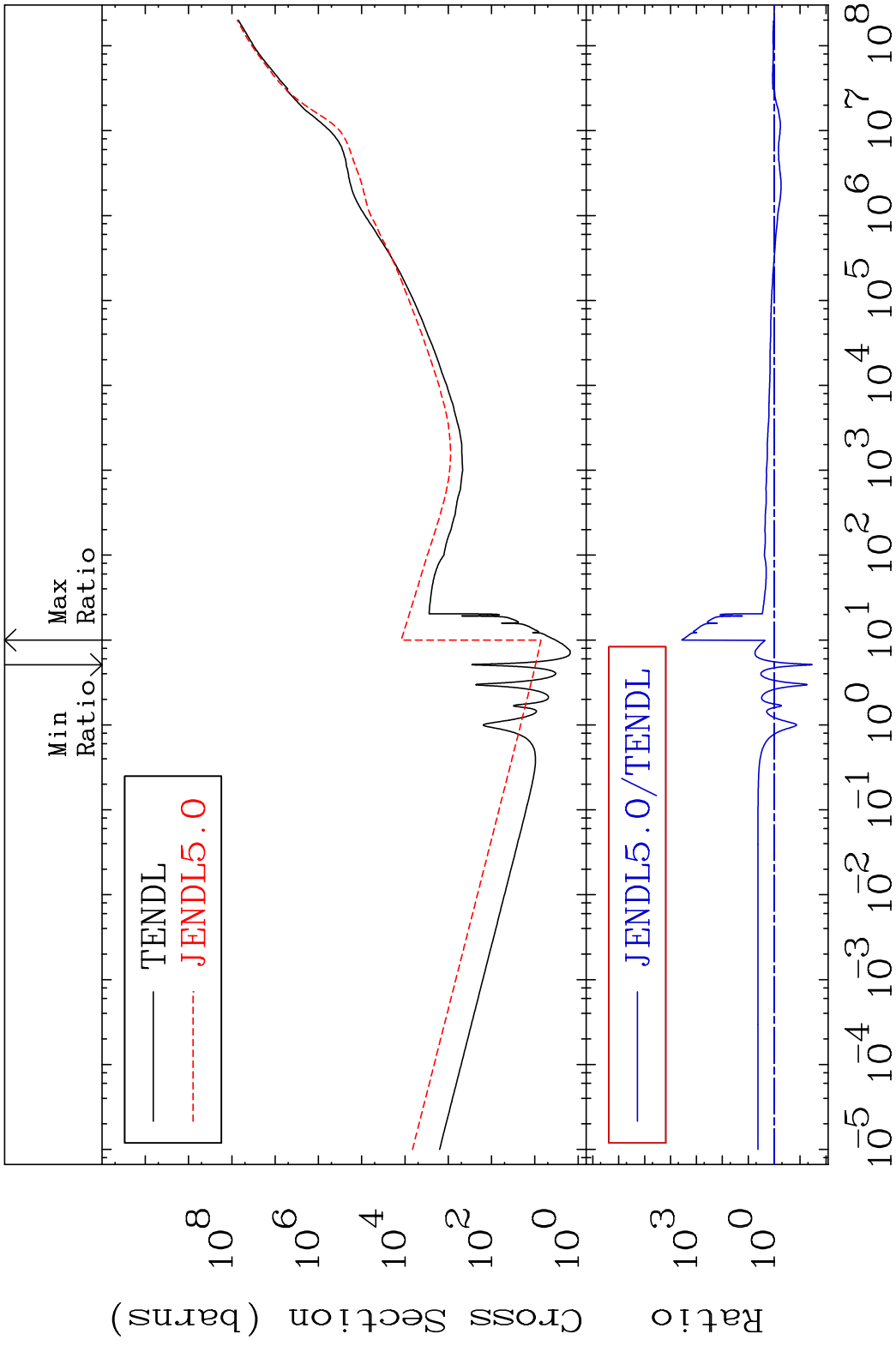


MAT 5635 Total photon (eV-barns) 56-Ba-133m  
 Cross Section -98.71 To 9999. %

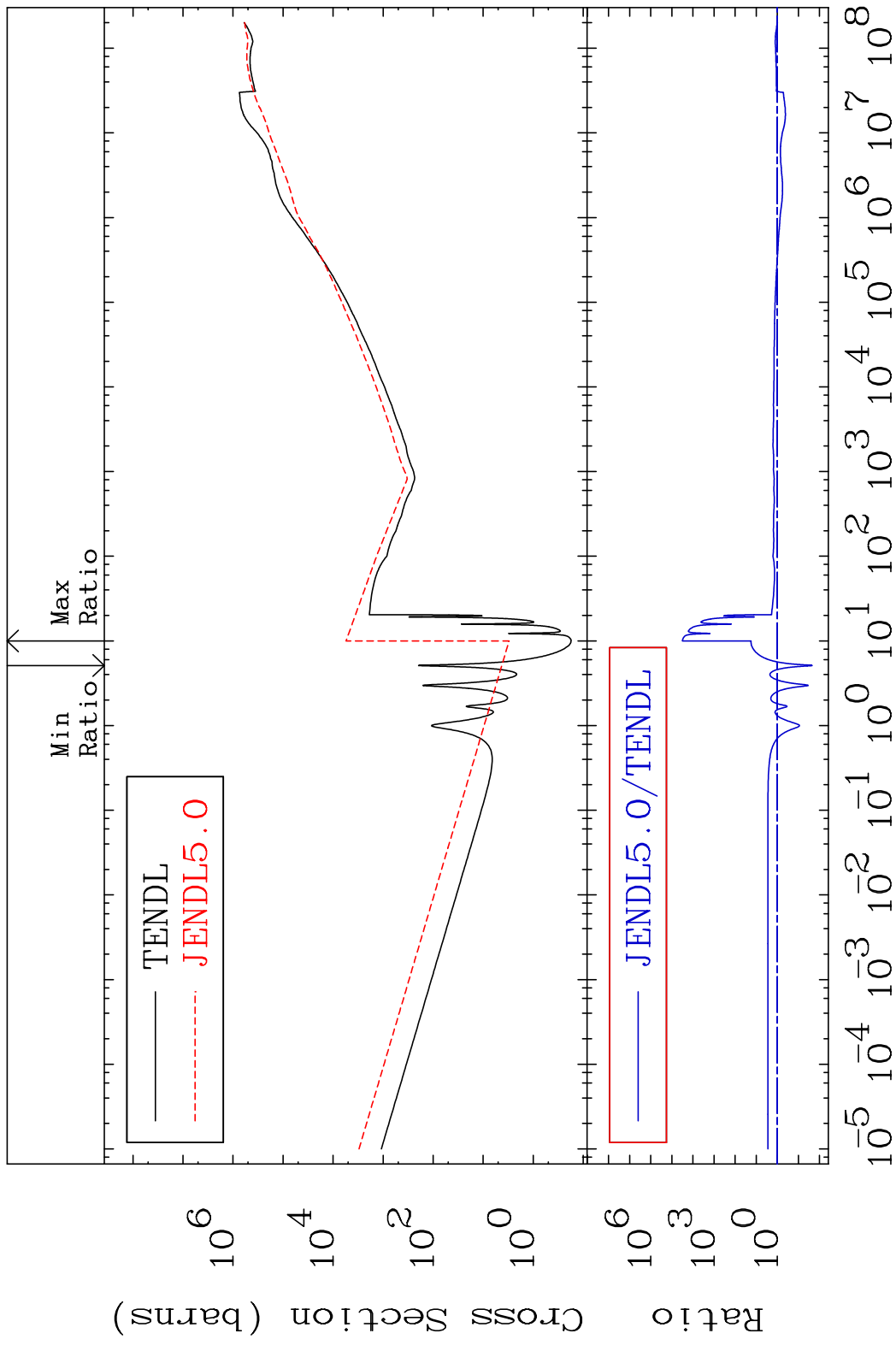


60 Incident Energy (eV) 56-Ba-133m

MAT 5635 Total kinematic kerma (high limit)56-Ba-133m  
Cross Section -96.62 To 9999. %



MAT 5635 Dpa total (eV-barns) 56-Ba-133m  
 Cross Section -97.87 To 9999. %



62 Incident Energy (eV) 56-Ba-133m

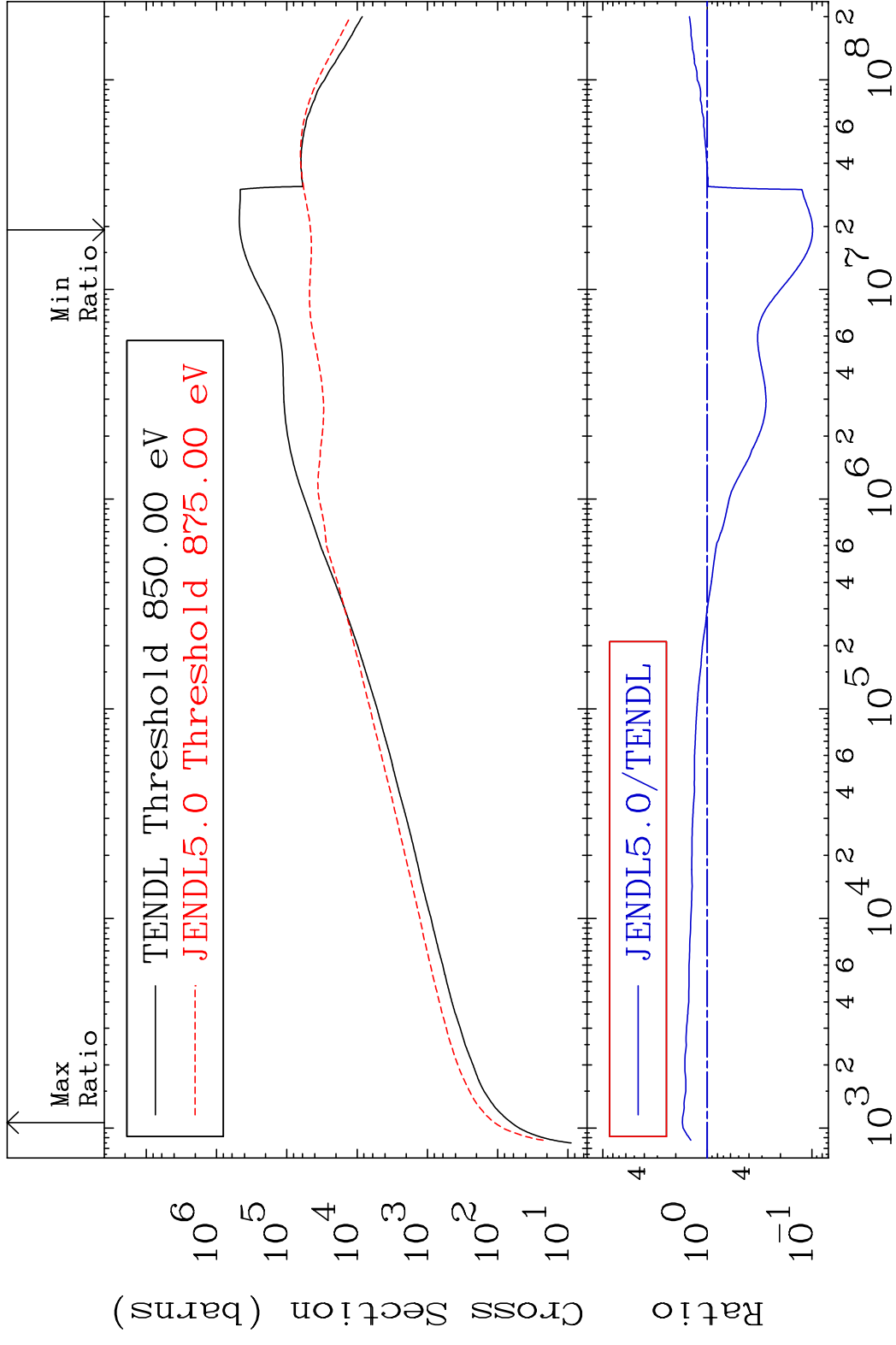
MAT 5635

Dpa elastic (mt2)

56-Ba-133m

Cross Section

-90.13 To 73.26 %



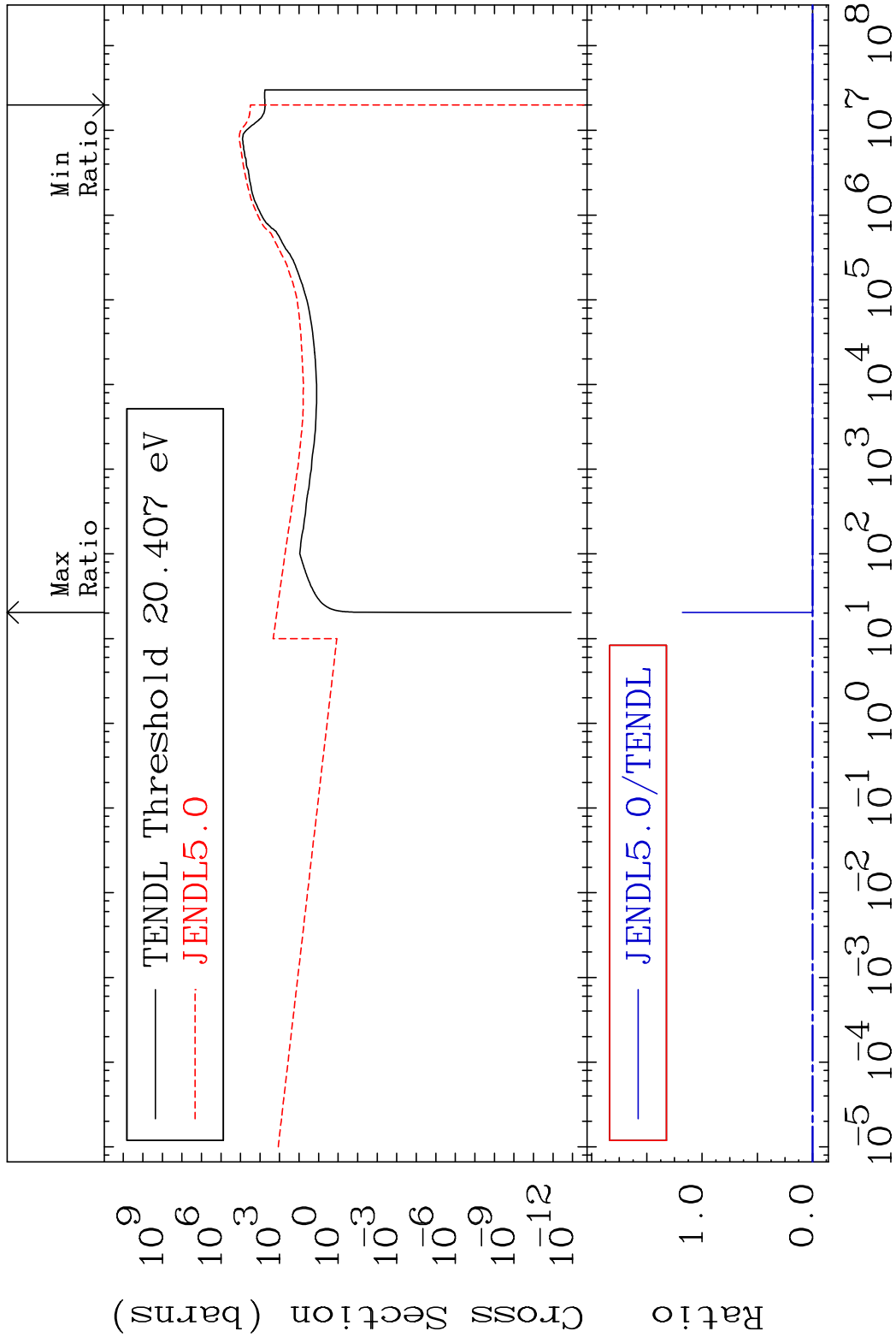
63

Incident Energy (eV)

56-Ba-133m

MAT 5635

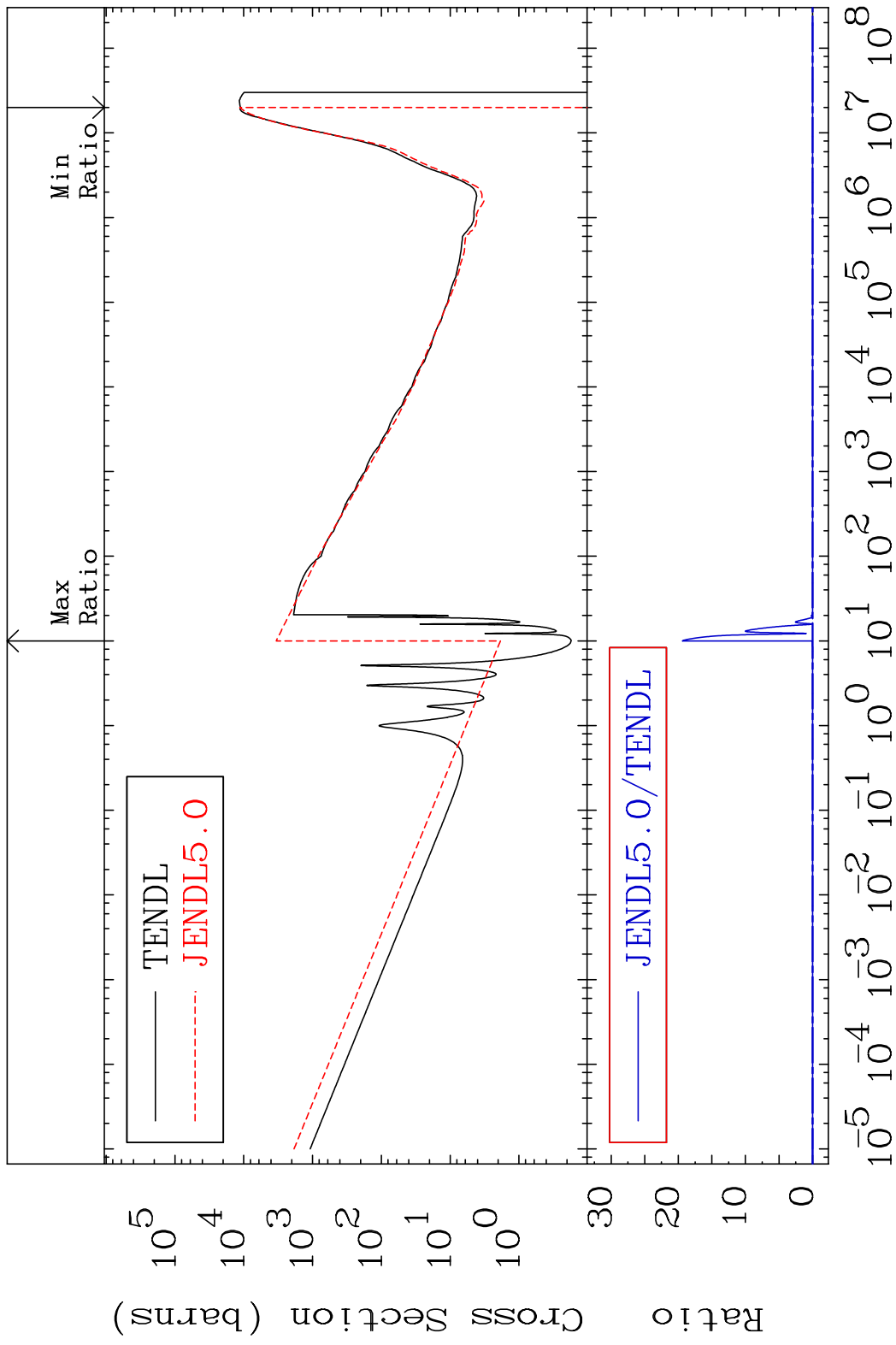
Dpa inelastic (mt51-91) 56-Ba-133m  
Cross Section -100.0 To 9999. %



64

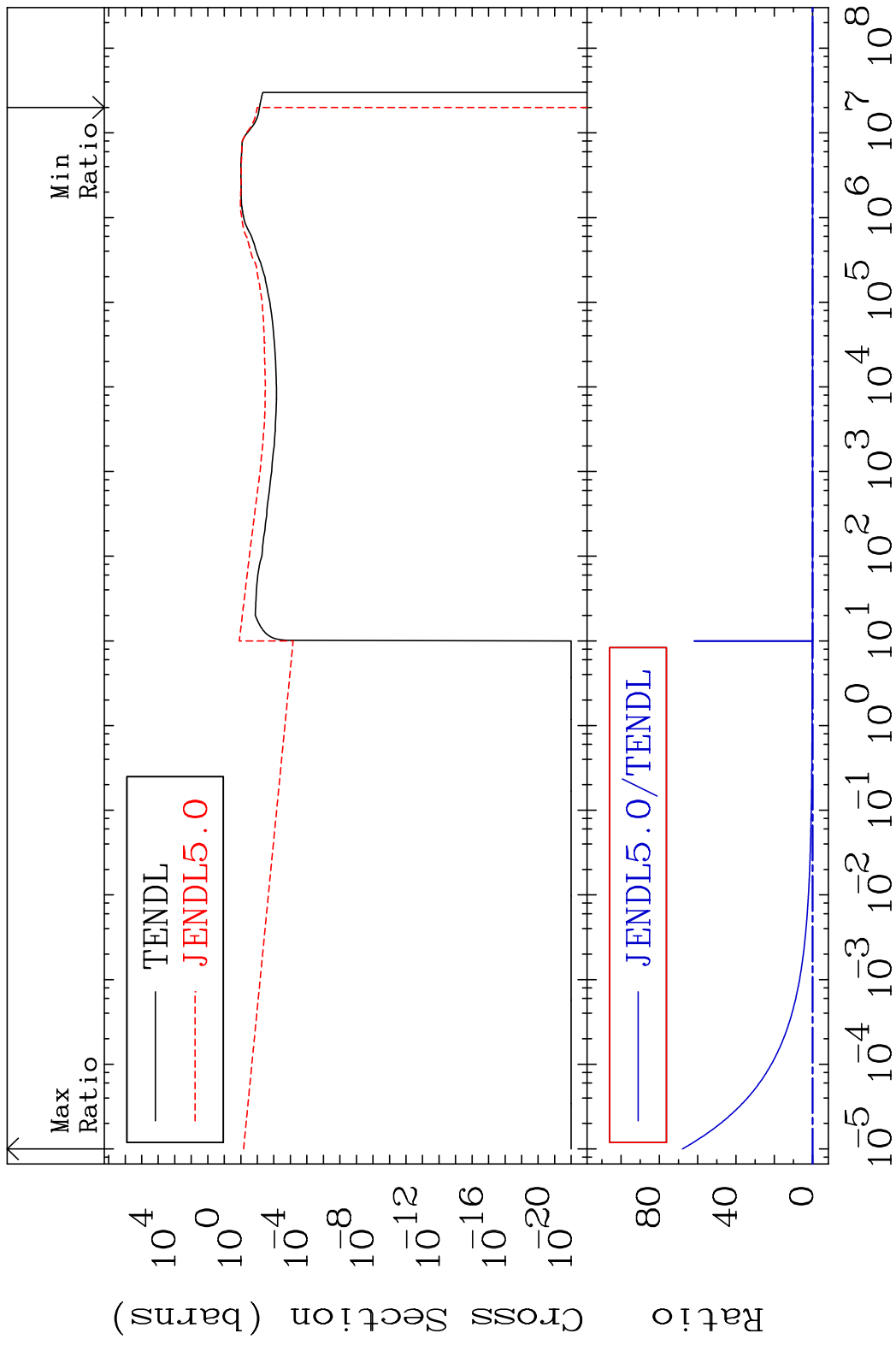
Incident Energy (eV) 56-Ba-133m

MAT 5635 Dpa disappearance (mt102 -120) 56-Ba-133m  
 Cross Section -100.0 To 9999. %

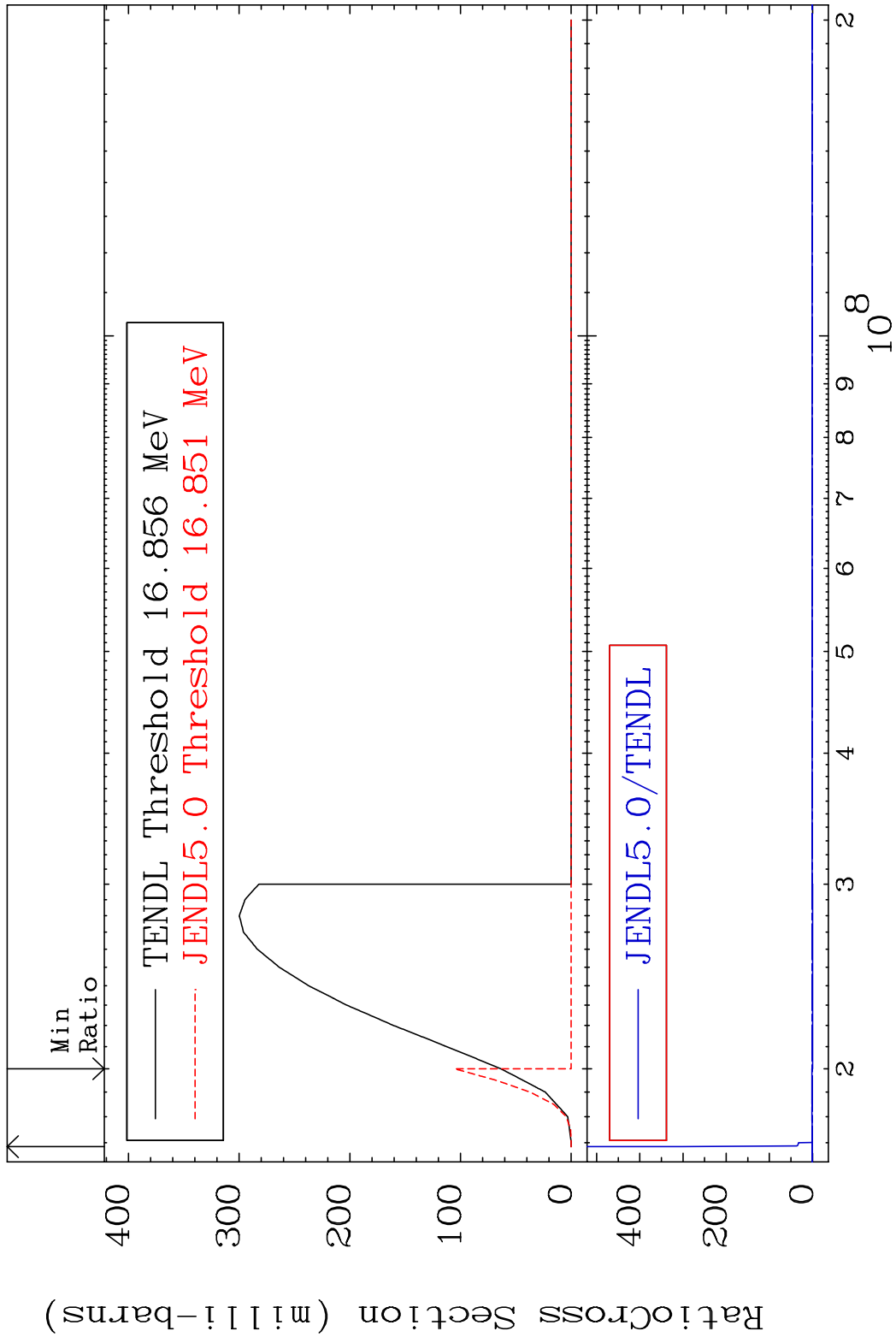


65 Incident Energy (eV) 56-Ba-133m

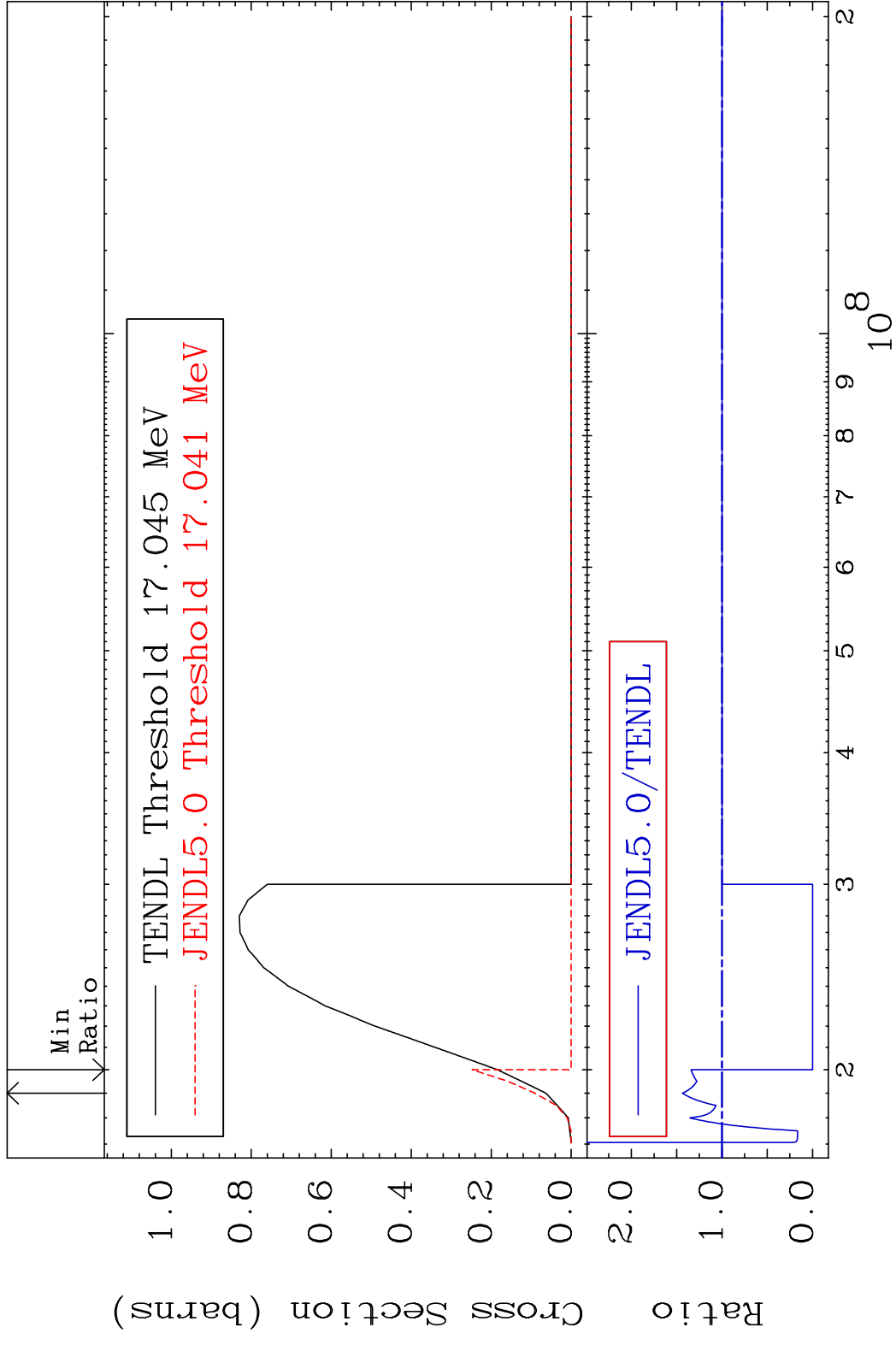
MAT 5635 Inelastic:56-Ba-133g 56-Ba-133m  
 Radionuclide Production Cross Section 100.00 to 9999.99 %



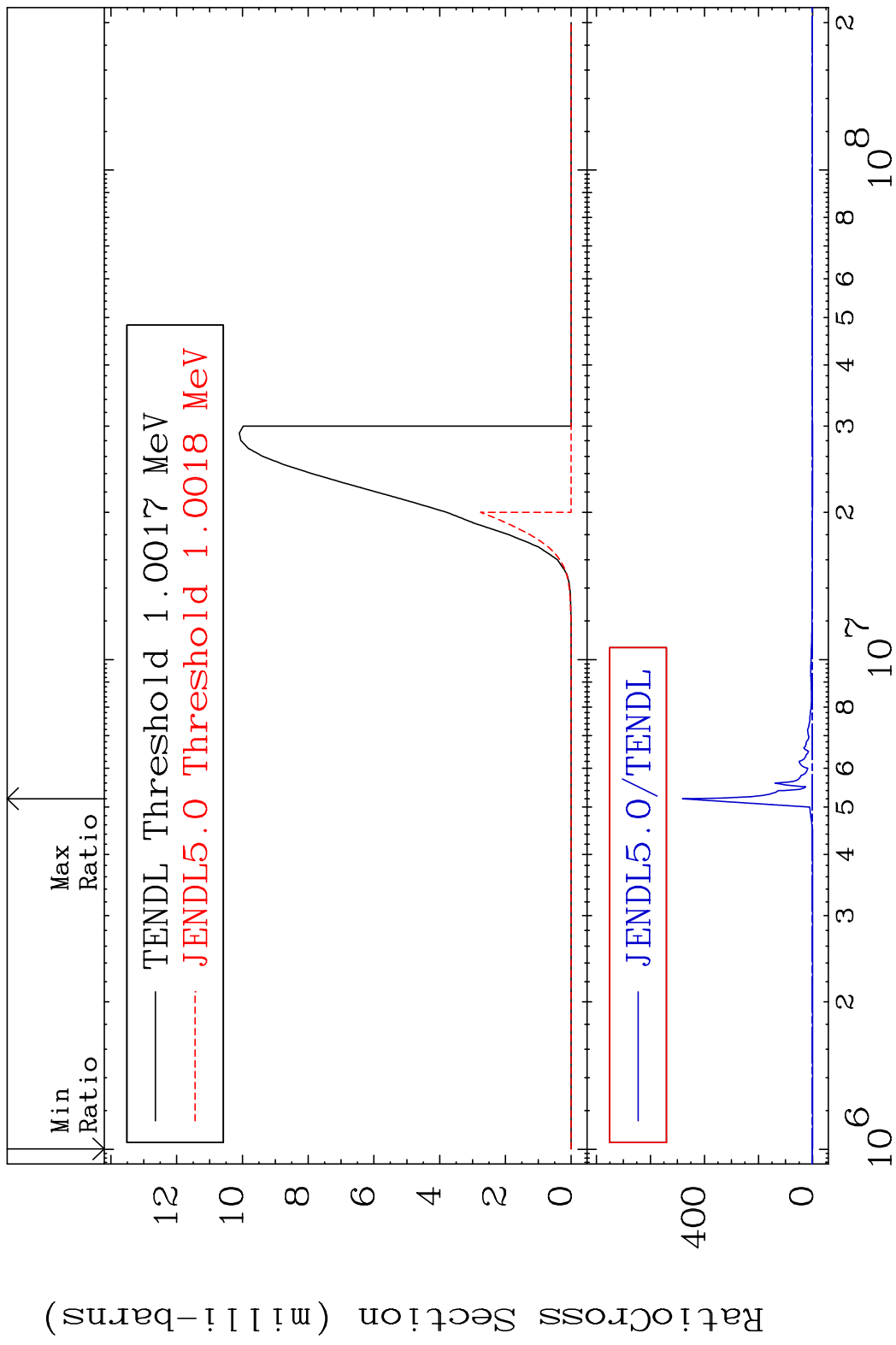
MAT 5635 (n,3n):56-Ba-131g 56-Ba-133m  
 Radionuclide Production Cross Section to 9999. %



MAT 5635 (n, 3n):56-Ba-131m2 56-Ba-133m  
 Radionuclide Production Cross Section to 43.71 %

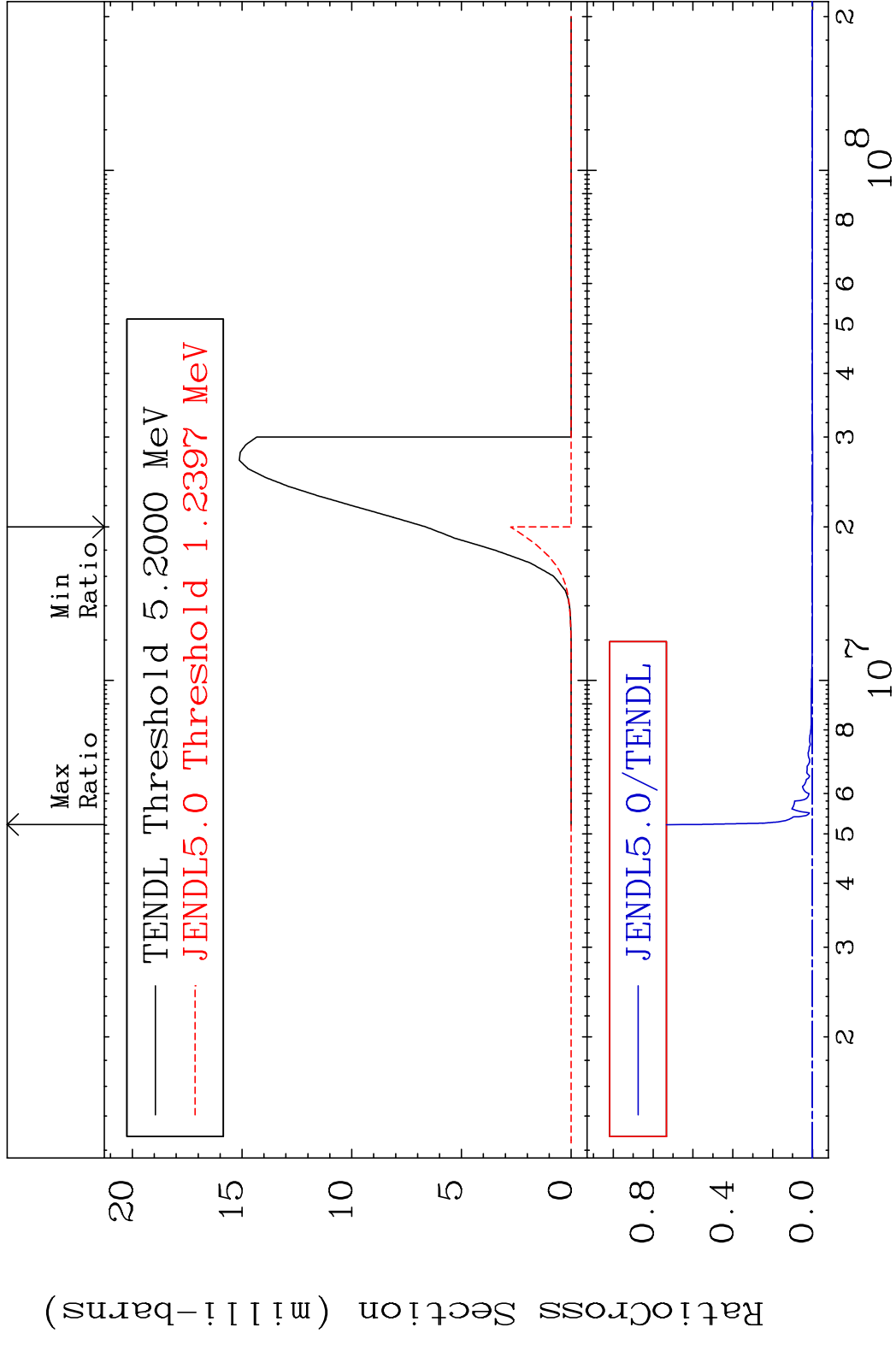


MAT 5635 (n, n')  $\alpha$ :54-Xe-129g 56-Ba-133m  
 Radionuclide Production Cross Section 180000 to 9999. %

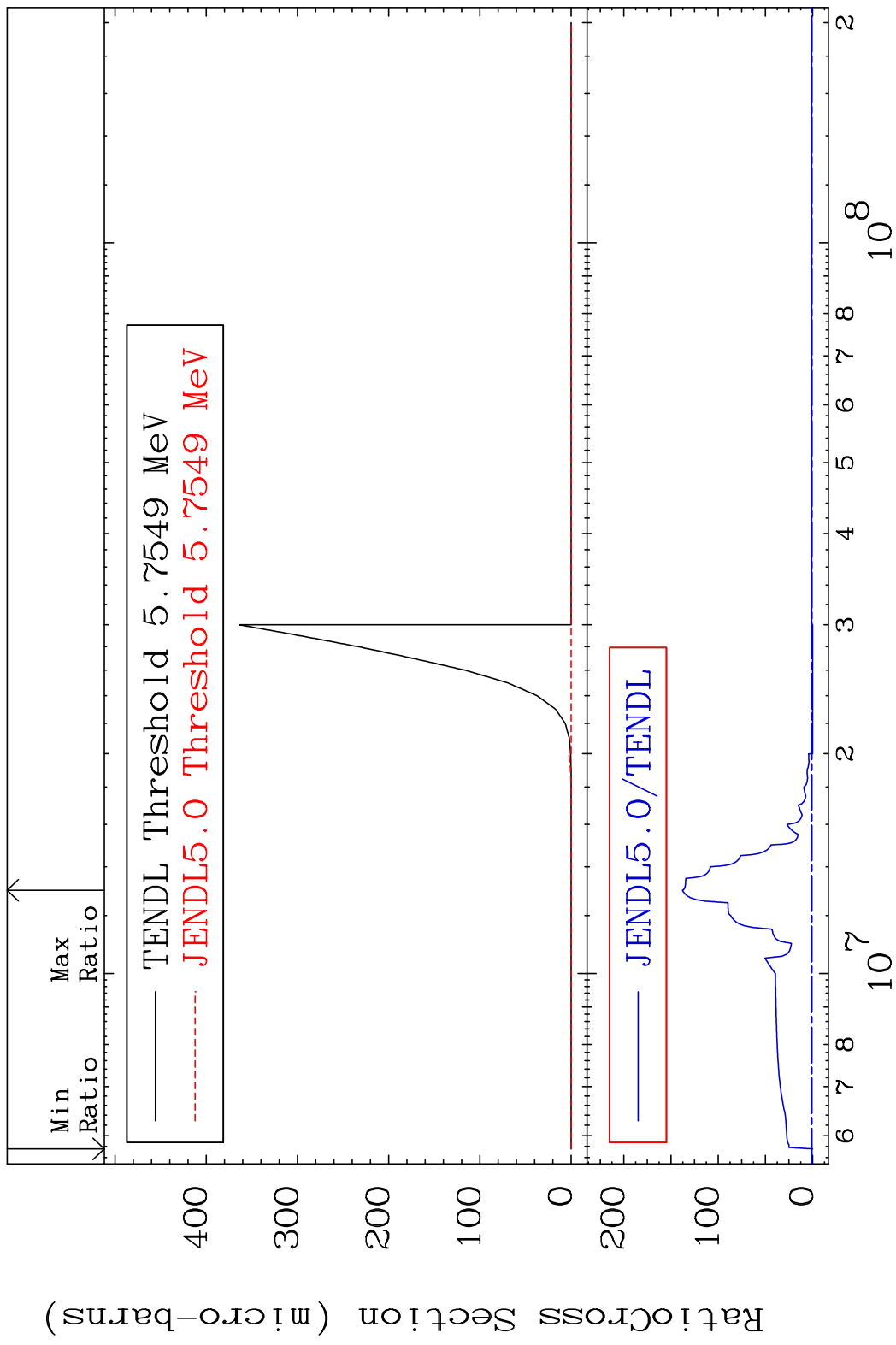


69 Incident Energy (eV) 56-Ba-133m

MAT 5635 (n, n')  $\alpha$ :54-Xe-129m2 56-Ba-133m  
 Radionuclide Production Cross Section to 9999. %



MAT 5635 (n, He-3):54-Xe-131g 56-Ba-133m  
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5635 (n, He-3):54-Xe-131m2 56-Ba-133m  
 Radionuclide Production Cross Section to 9999. %

