

Program Complot  
(Version 2021-1)

by

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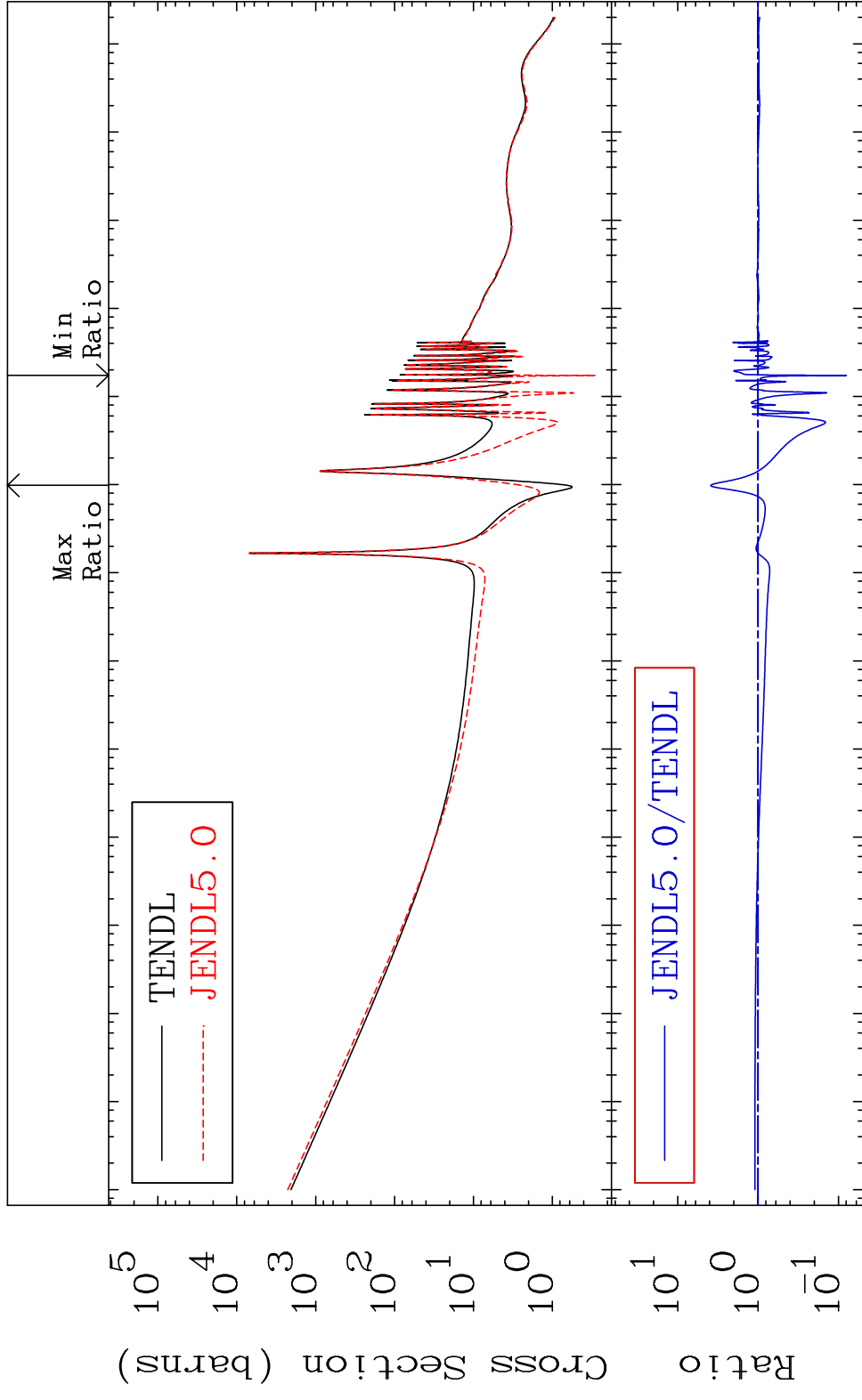
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2325

Total Cross Section  
-92.02 To 288.3 %  
23-V -50

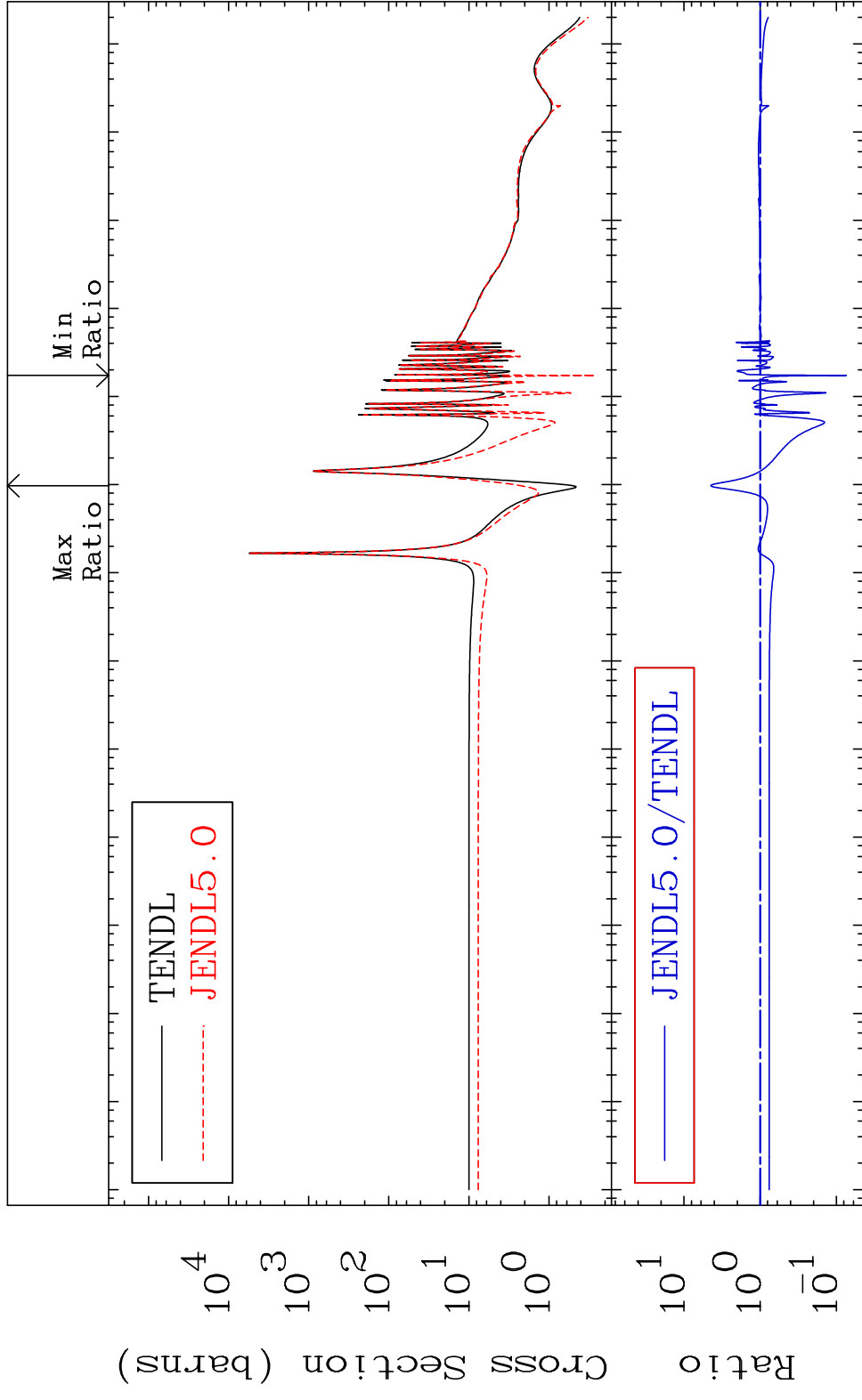


1

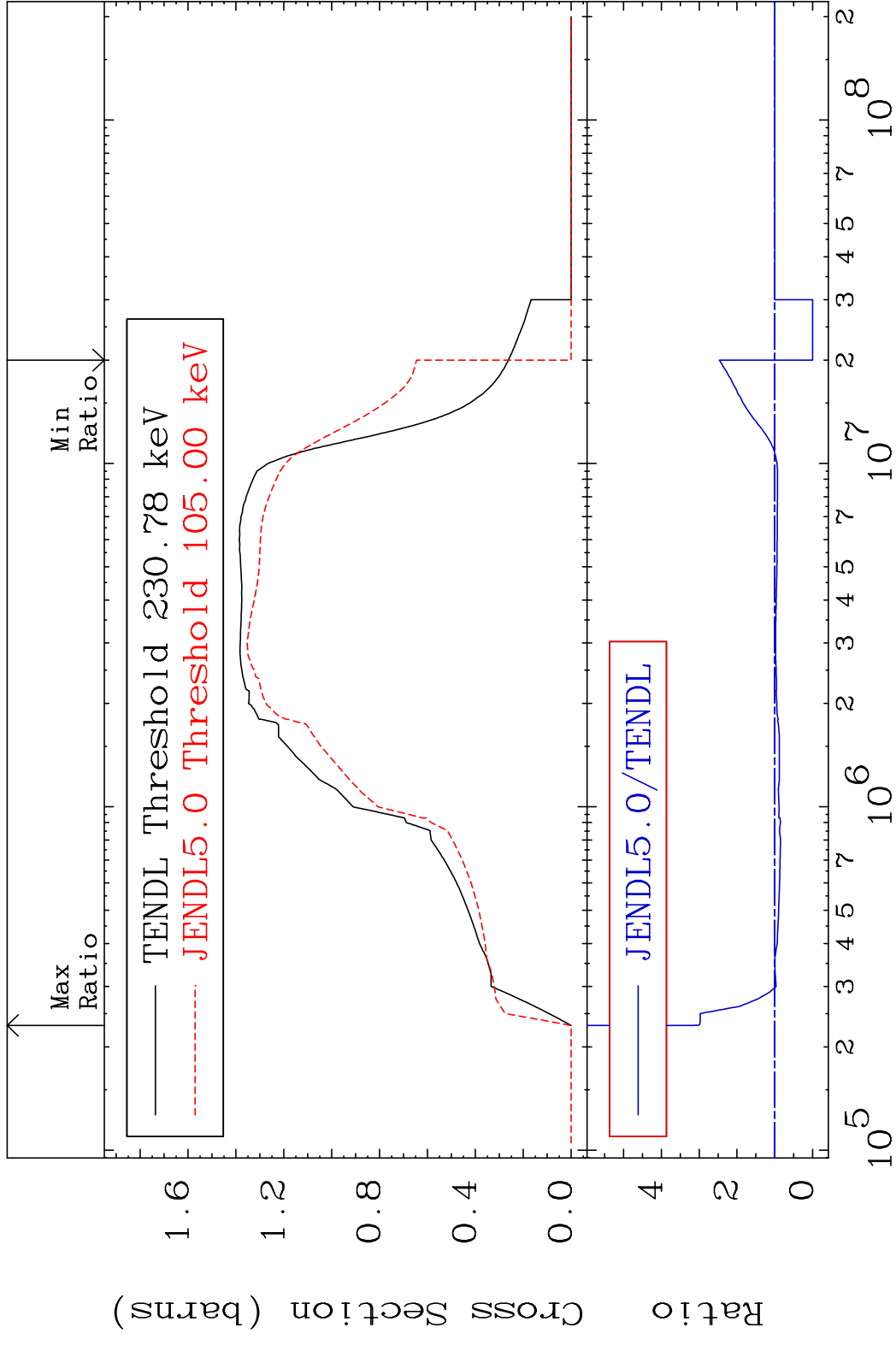
Incident Energy (eV) 23-V -50

MAT 2325

Elastic Cross Section 23-V -50  
-92.57 To 346.4 %



MAT 2325 Inelastic 23-V -50  
 Cross Section -100.0 To 244.6 %



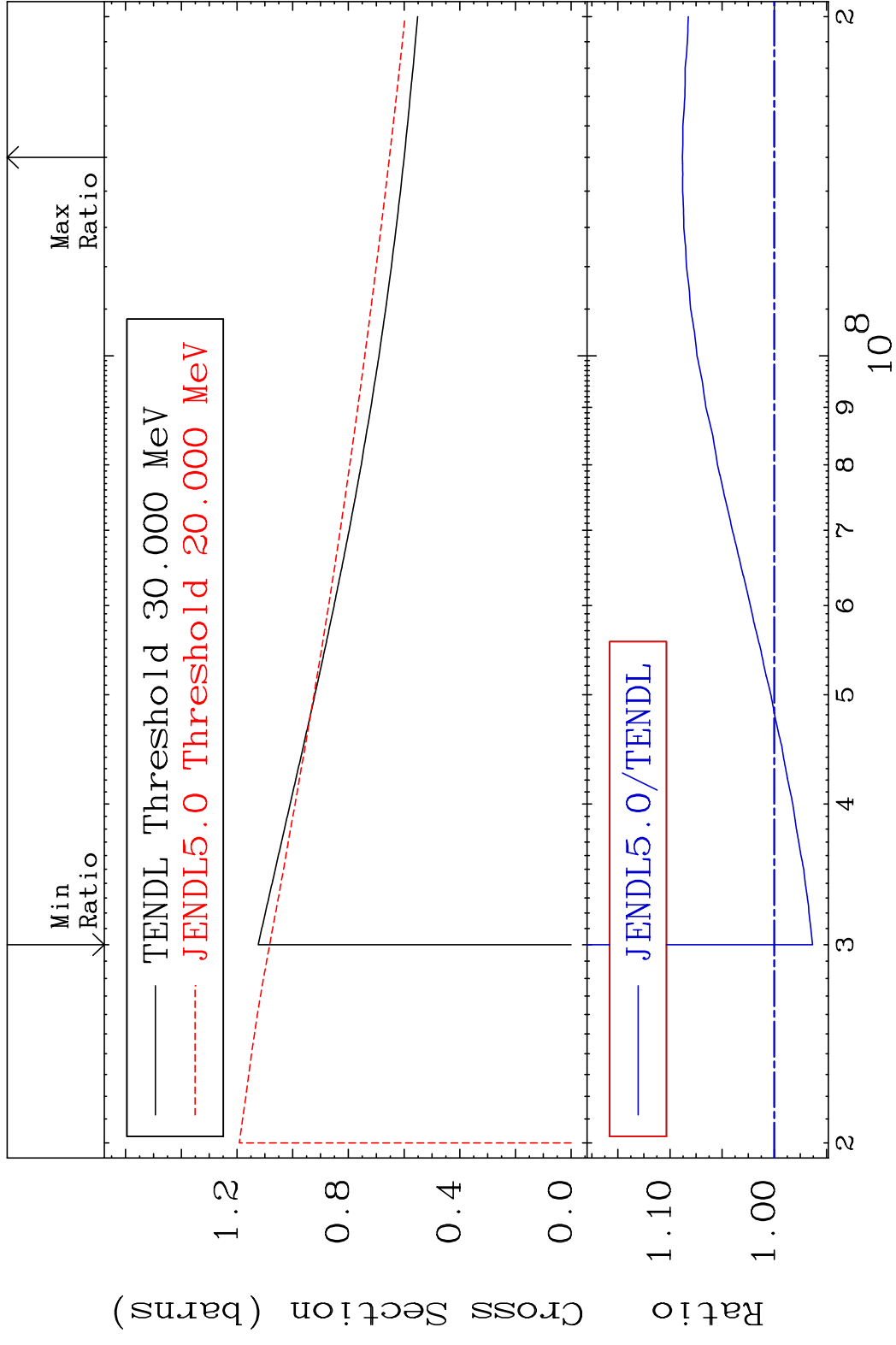
3 Incident Energy (eV) 23-V -50

MAT 2325

(n, remainder)

23-V -50

Cross Section -3.671 To 8.813 %



23-V -50

Incident Energy (eV)

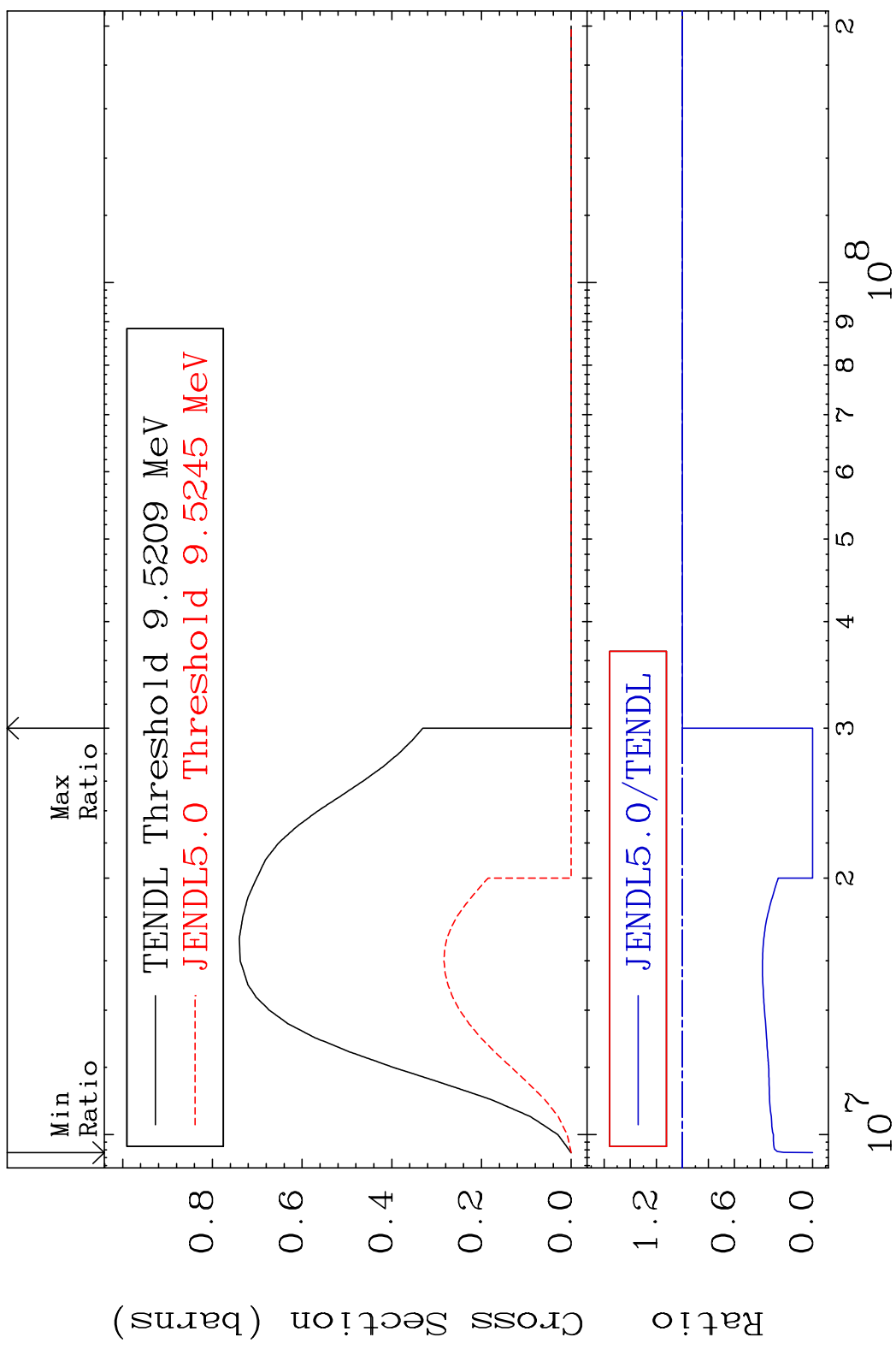
4

MAT 2325

(n,2n)

23-V -50

Cross Section -100.0 To 0.000 %

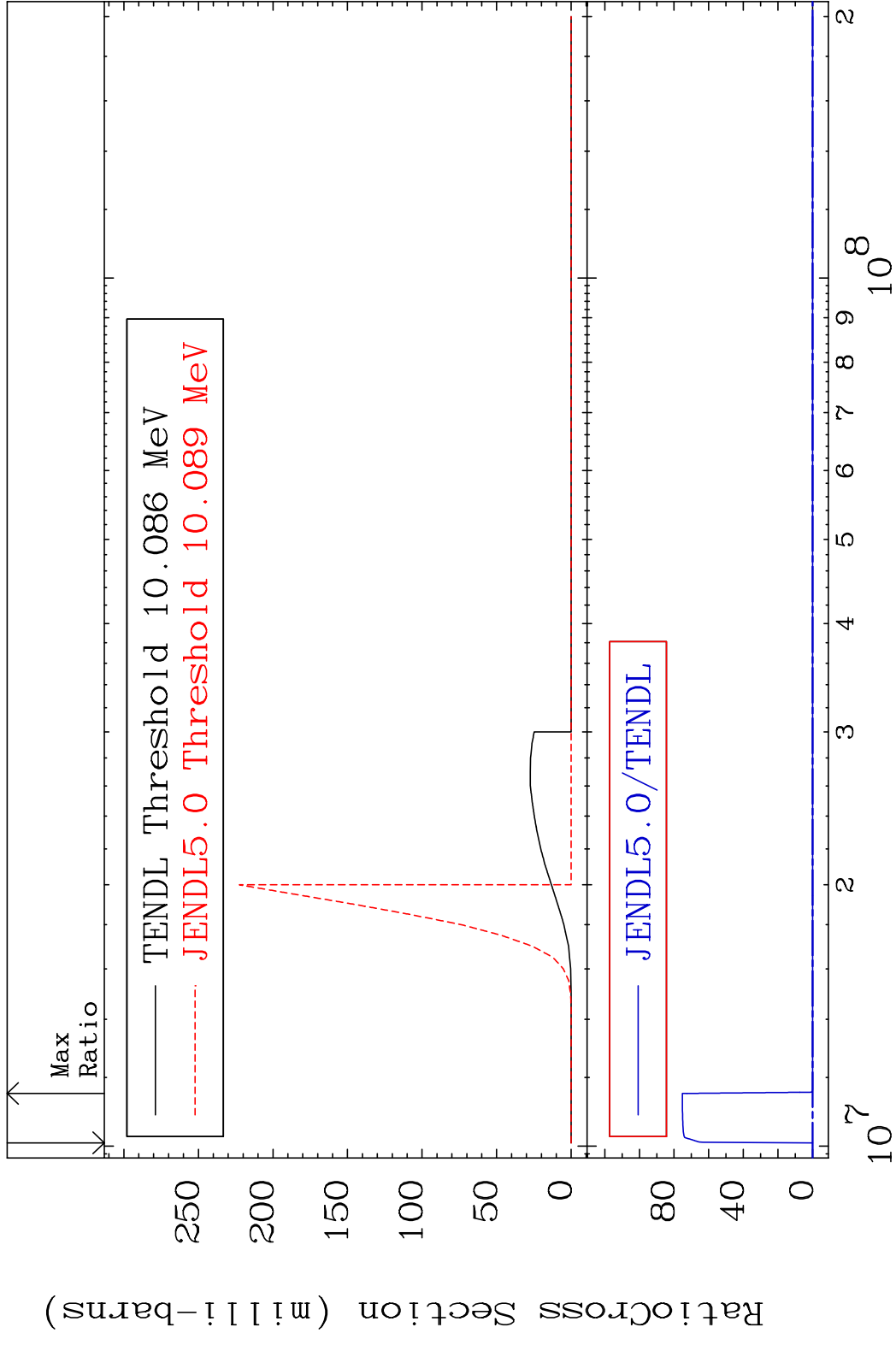


5

Incident Energy (eV)

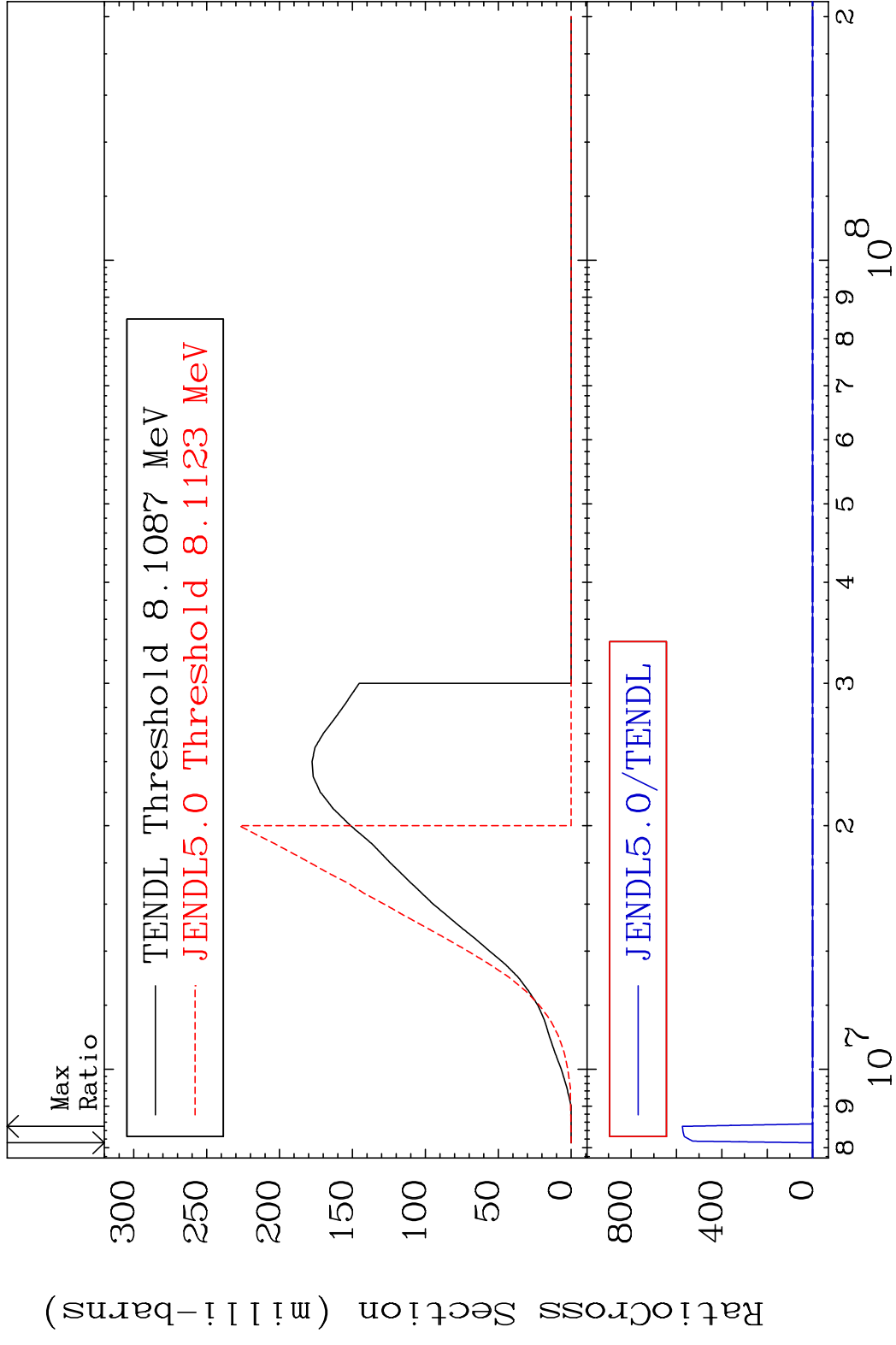
23-V -50

MAT 2325 (n, n')  $\alpha$  23-V -50  
 Cross Section -100.0 To 9999. %



6 6 Incident Energy (eV) 23-V -50

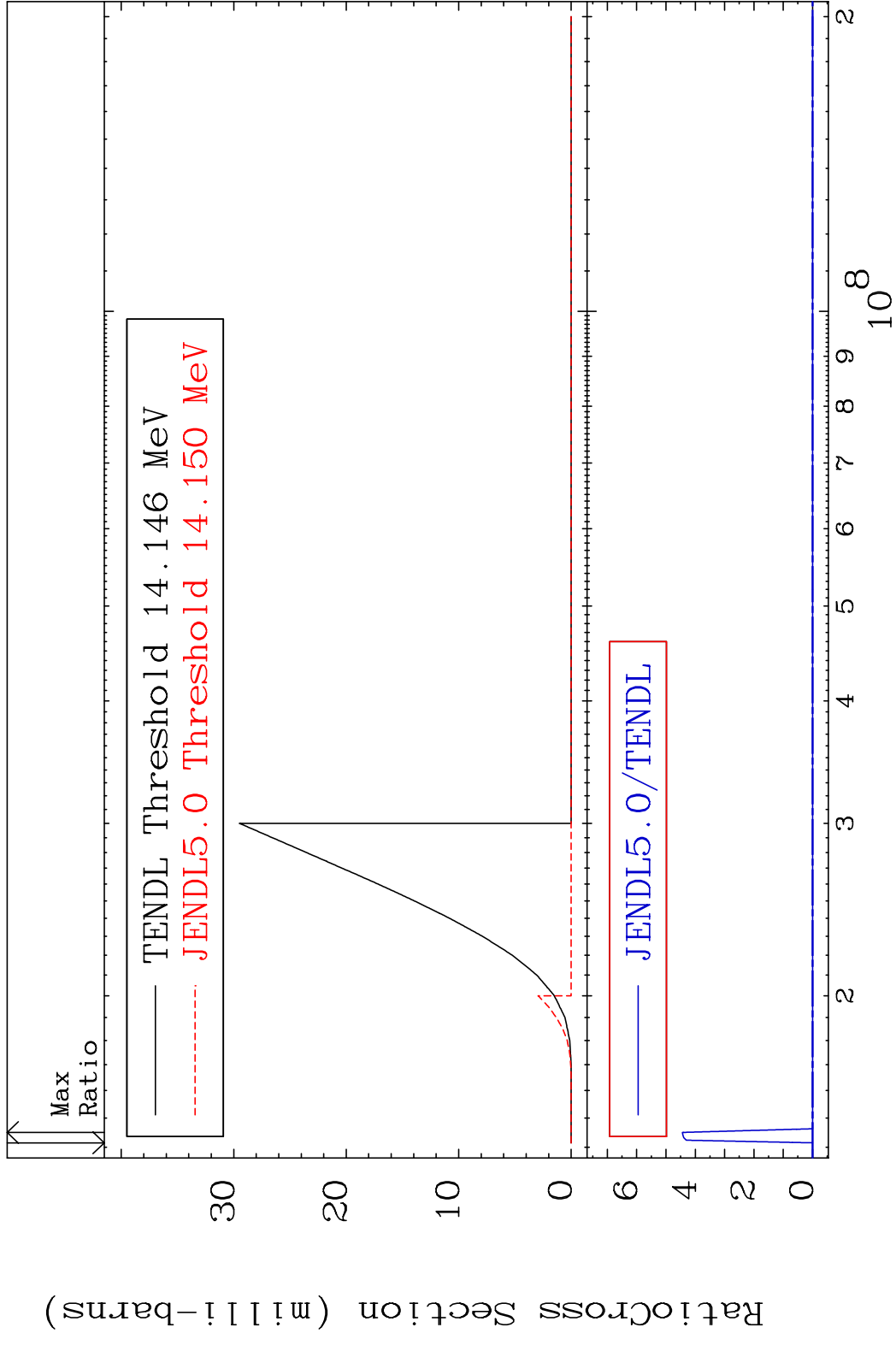
MAT 2325 (n, n') p 23-V -50  
 Cross Section -100.0 To 9999. %



7 8 9 10 7 8 9 10 8 2  
 Incident Energy (eV) 23-V -50

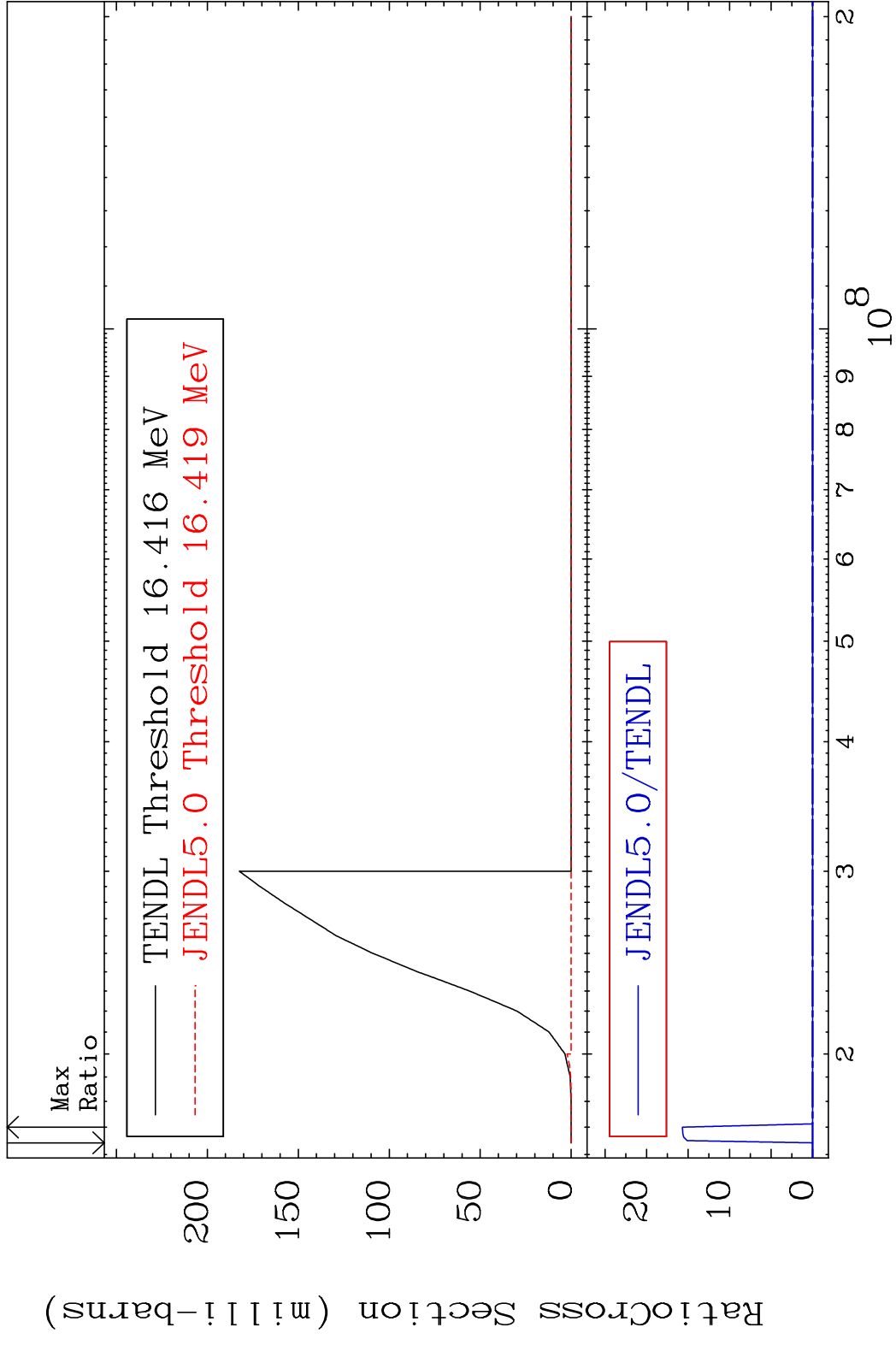


MAT 2325 (n, n') d 23-V -50  
 Cross Section -100.0 To 9999. %



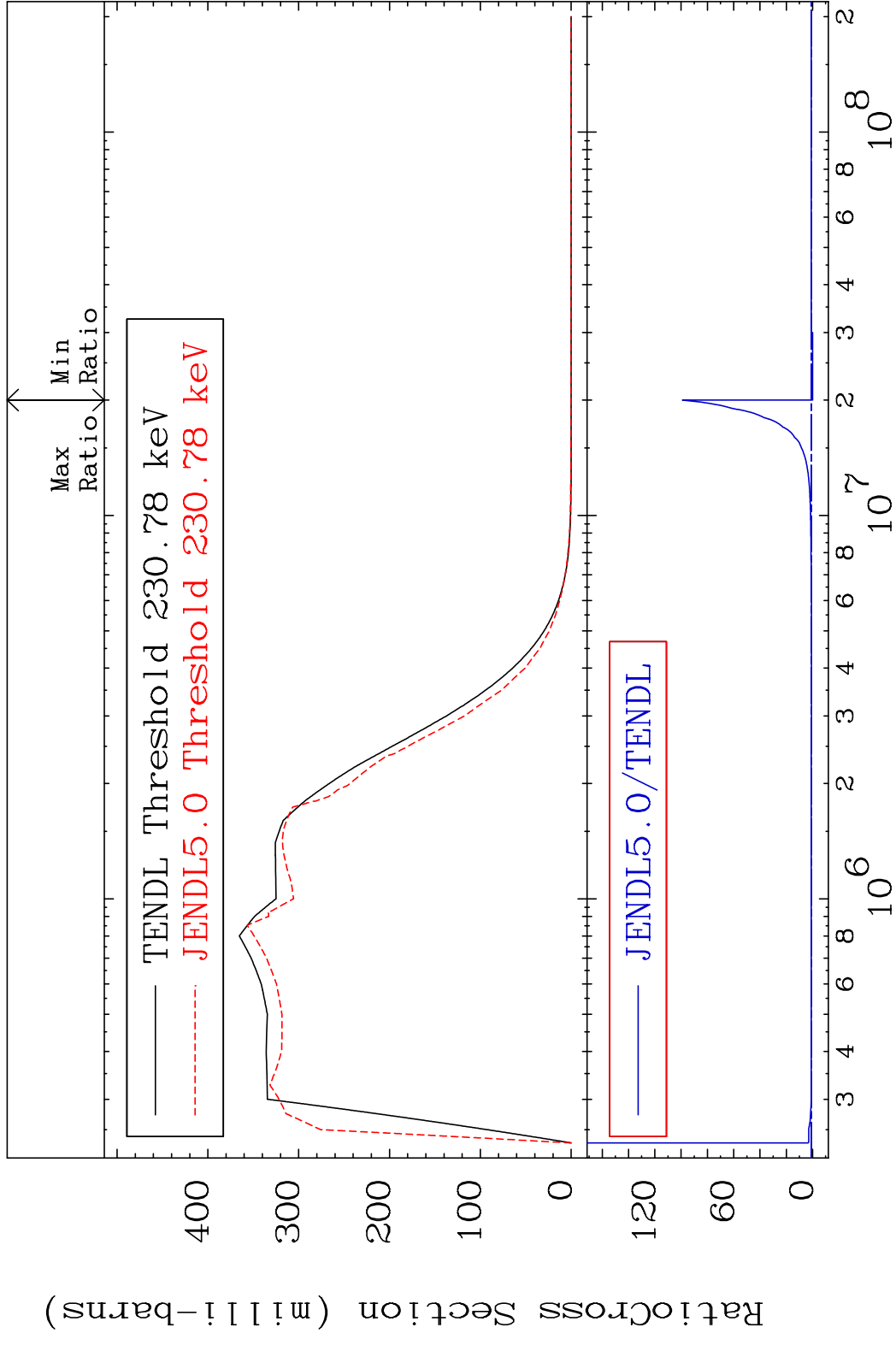
8 8 Incident Energy (eV) 23-V -50

MAT 2325 (n,2n) p 23-V -50  
 Cross Section -100.0 To 9999. %



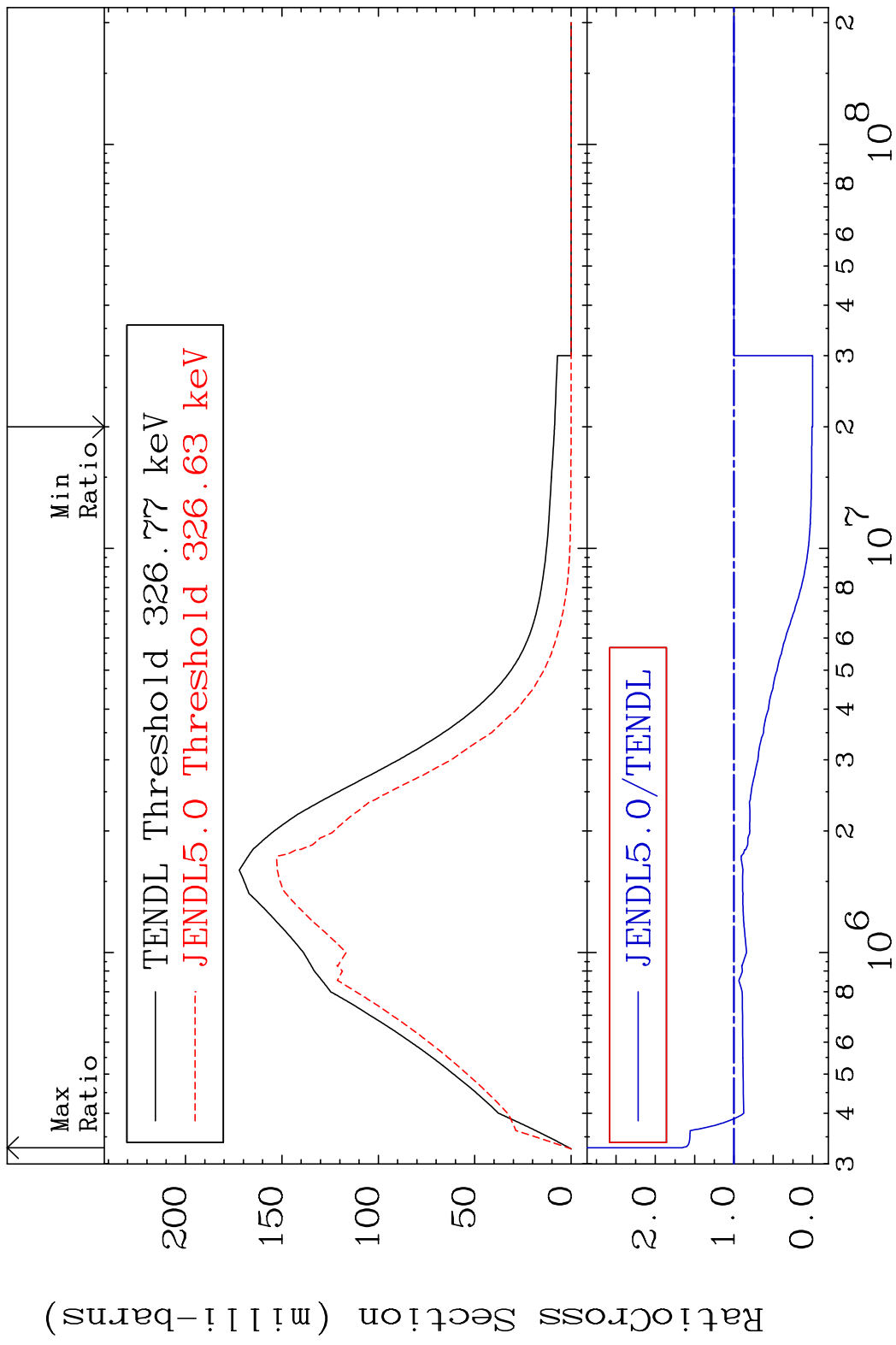
9 Incident Energy (eV) 23-V -50

MAT 2325 MT= 51 (n,n') Level 23-V -50  
 Cross Section -100.0 To 9805. %

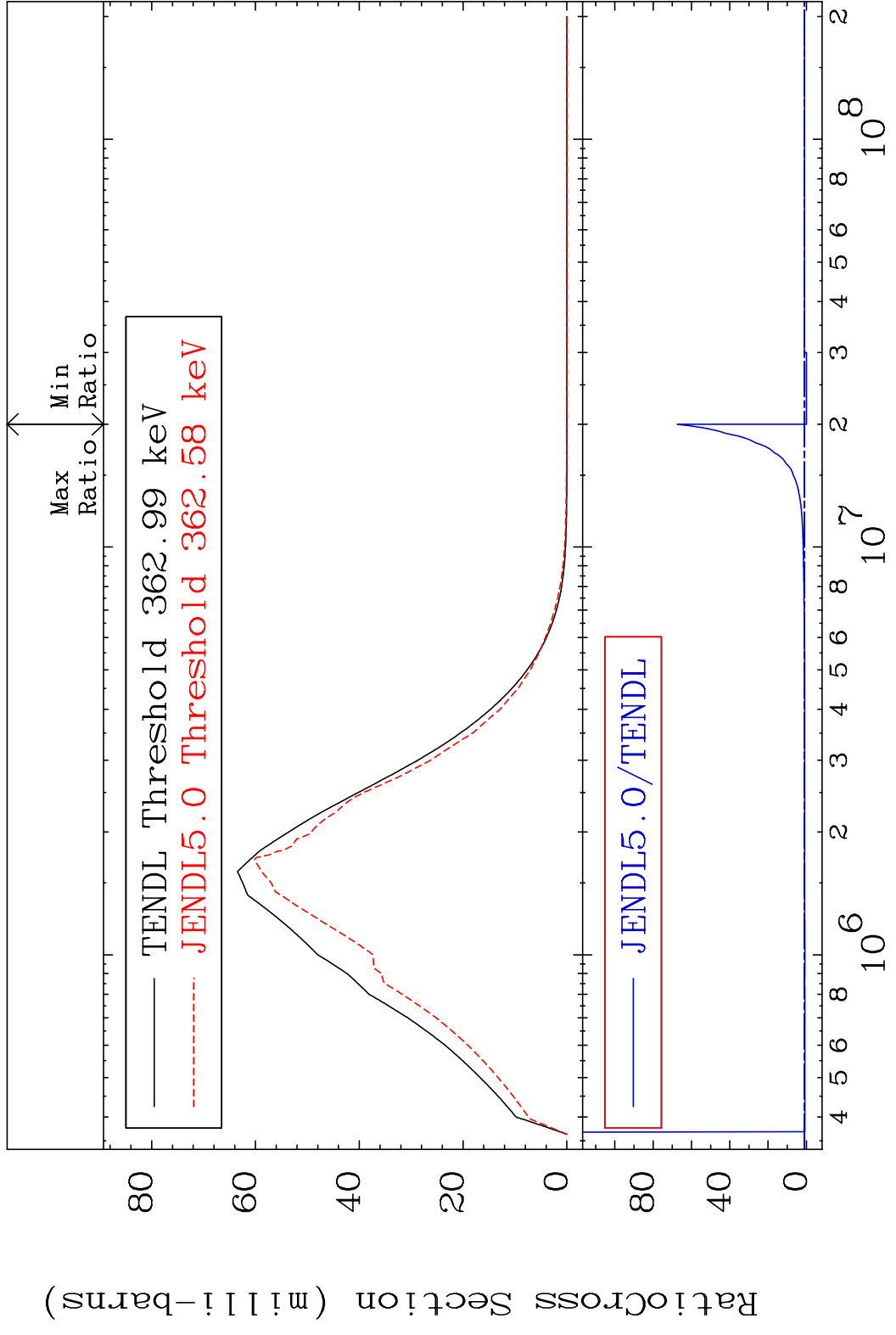


10 Incident Energy (eV) 23-V -50

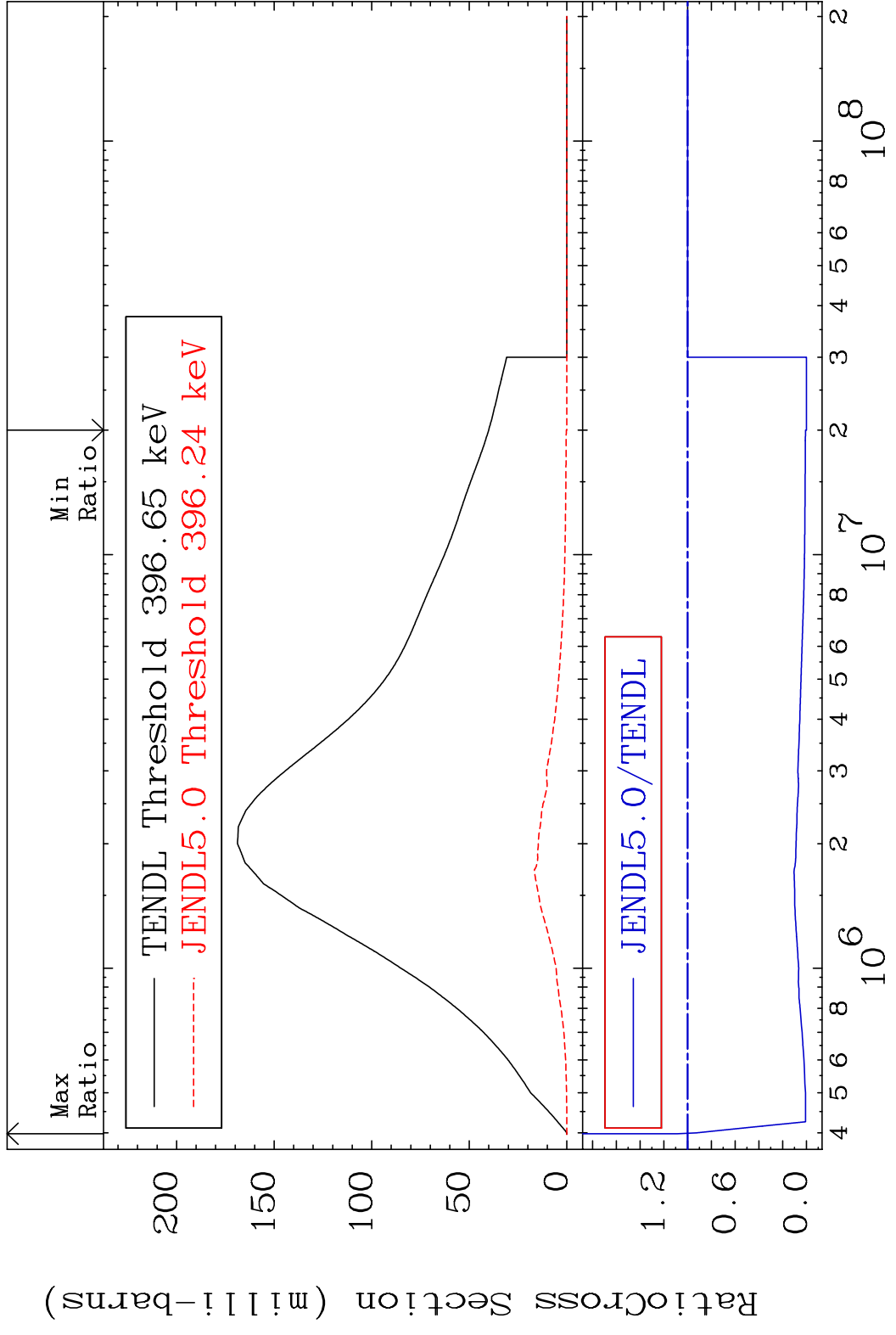
MAT 2325 MT= 52 (n,n') Level 23-V -50  
 Cross Section -100.0 To 65.64 %



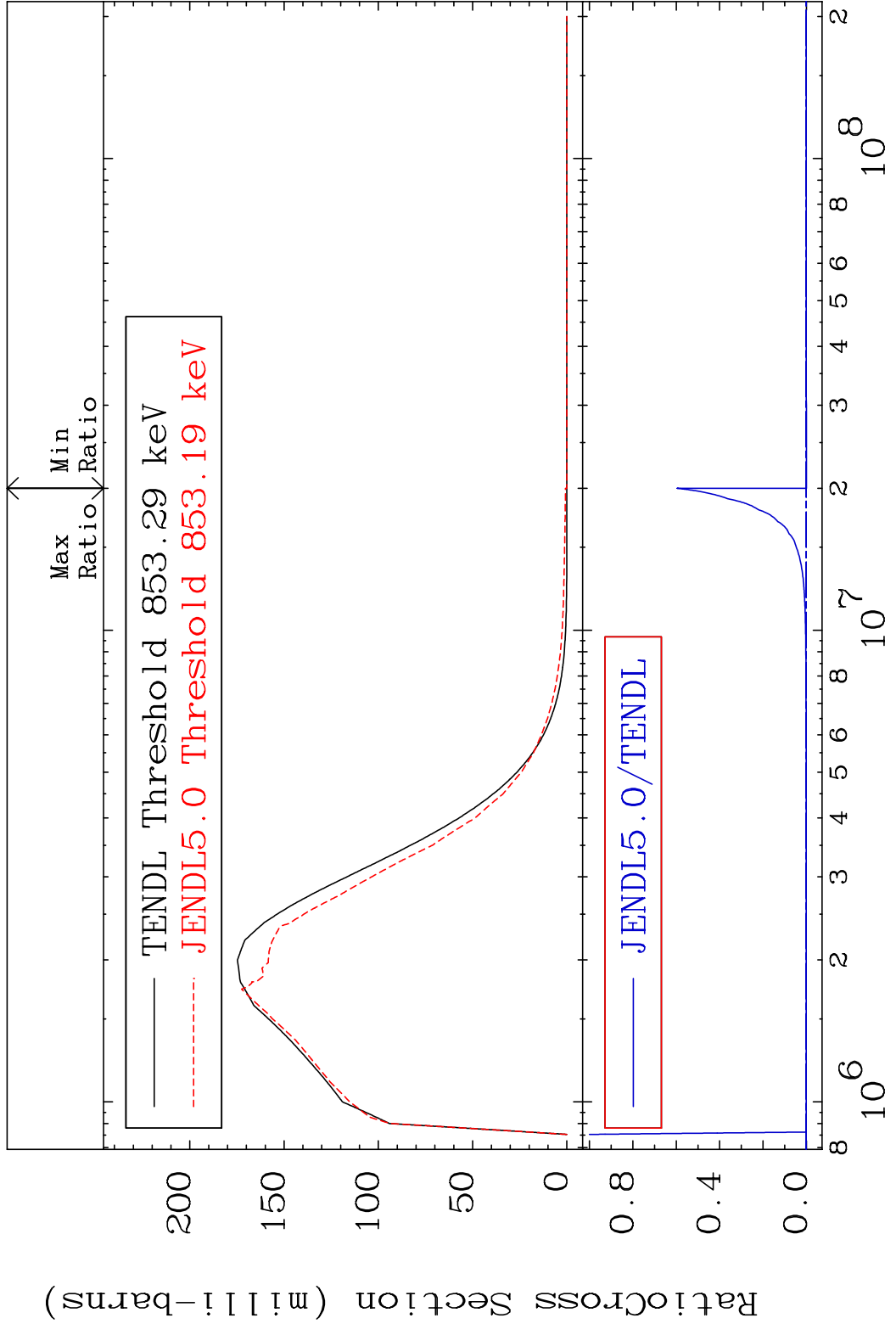
MAT 2325 MT= 53 (n, n') Level 23-V -50  
 Cross Section -100.0 To 6645. %



MAT 2325 MT= 54 (n, n') Level 23-V -50  
 Cross Section -100.0 To 8.754 %

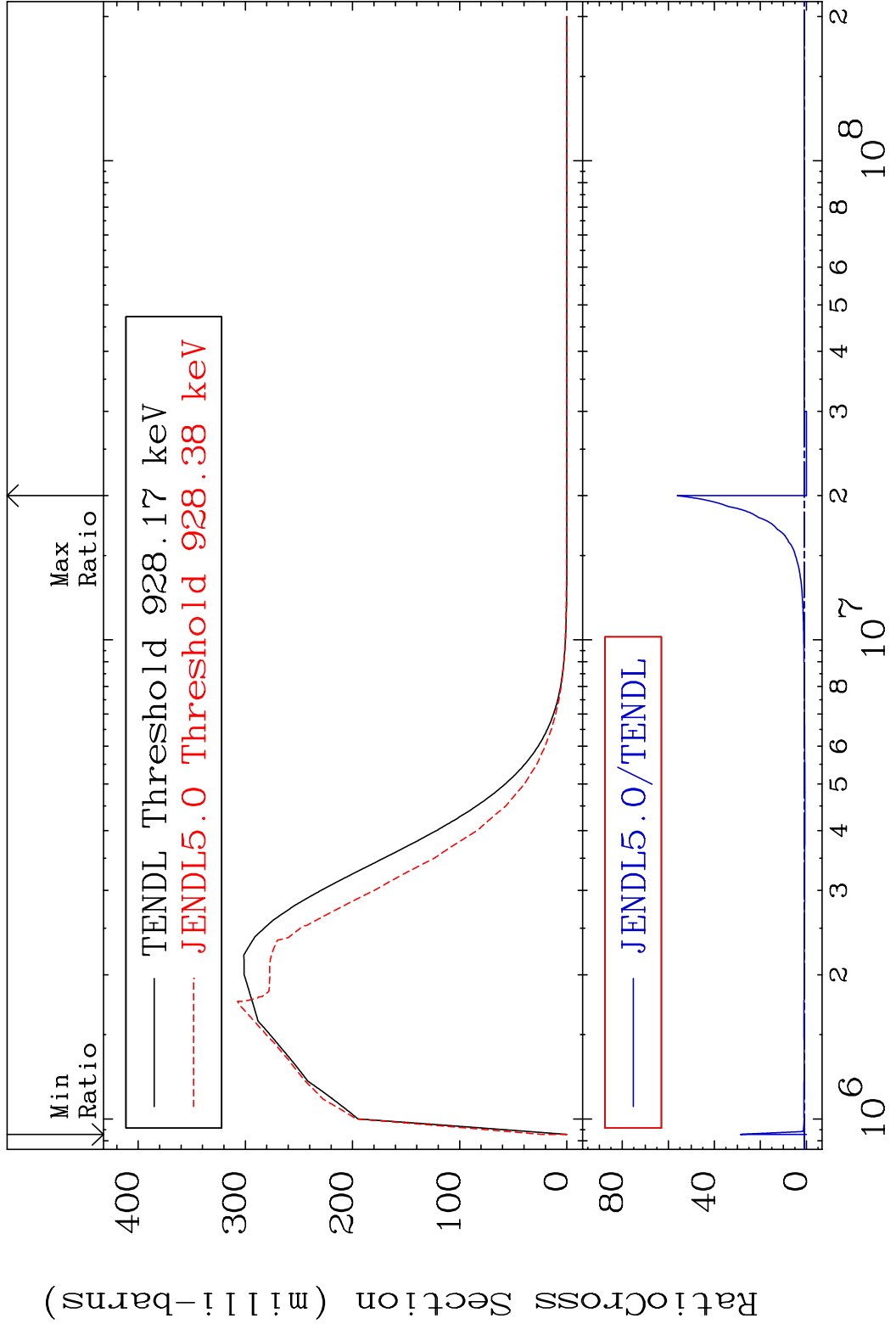


MAT 2325 MT= 55 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %



14 Incident Energy (eV) 23-V -50

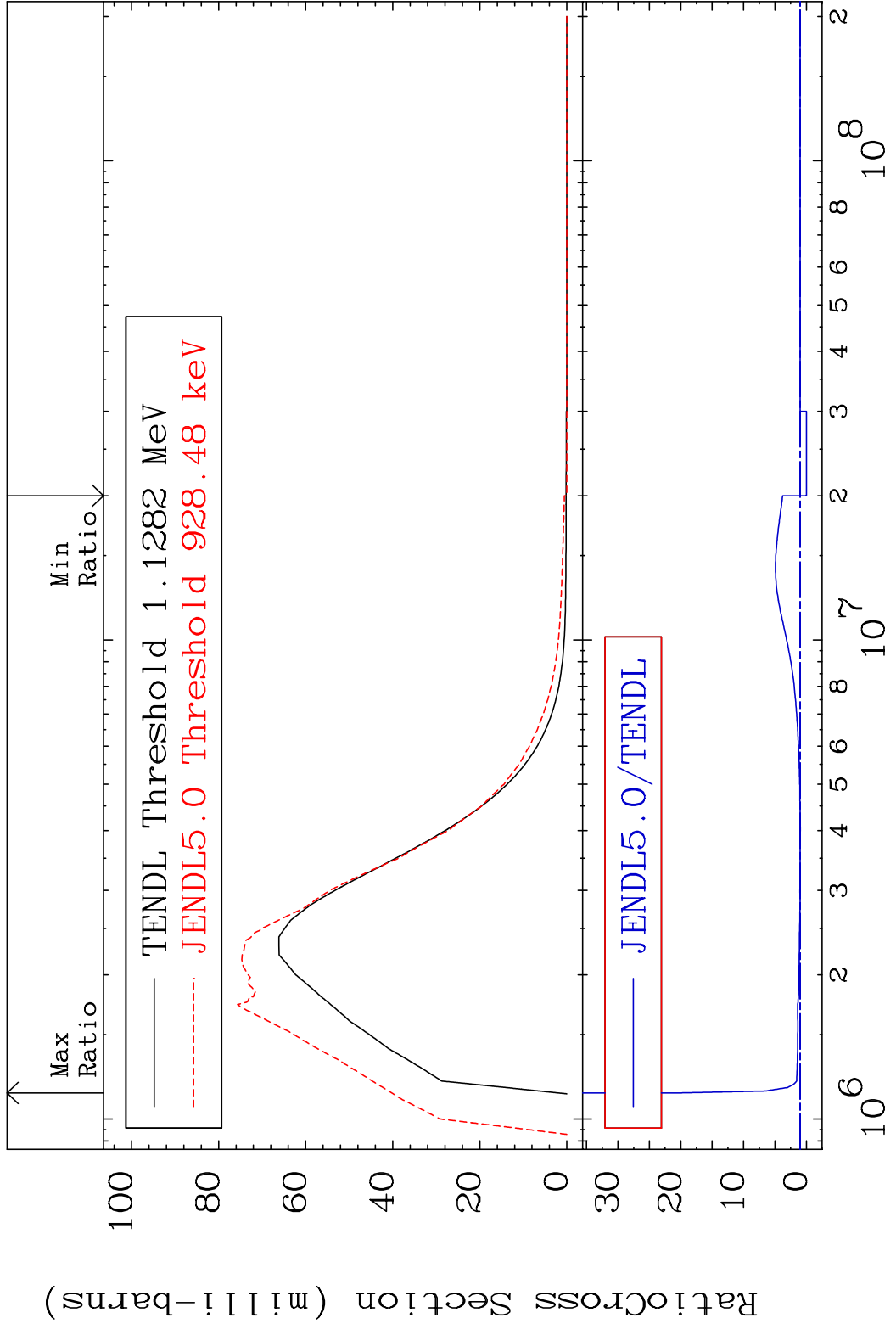
MAT 2325 MT= 56 (n, n') Level 23-V -50  
 Cross Section -100.0 To 5516. %



15 Incident Energy (eV) 23-V -50

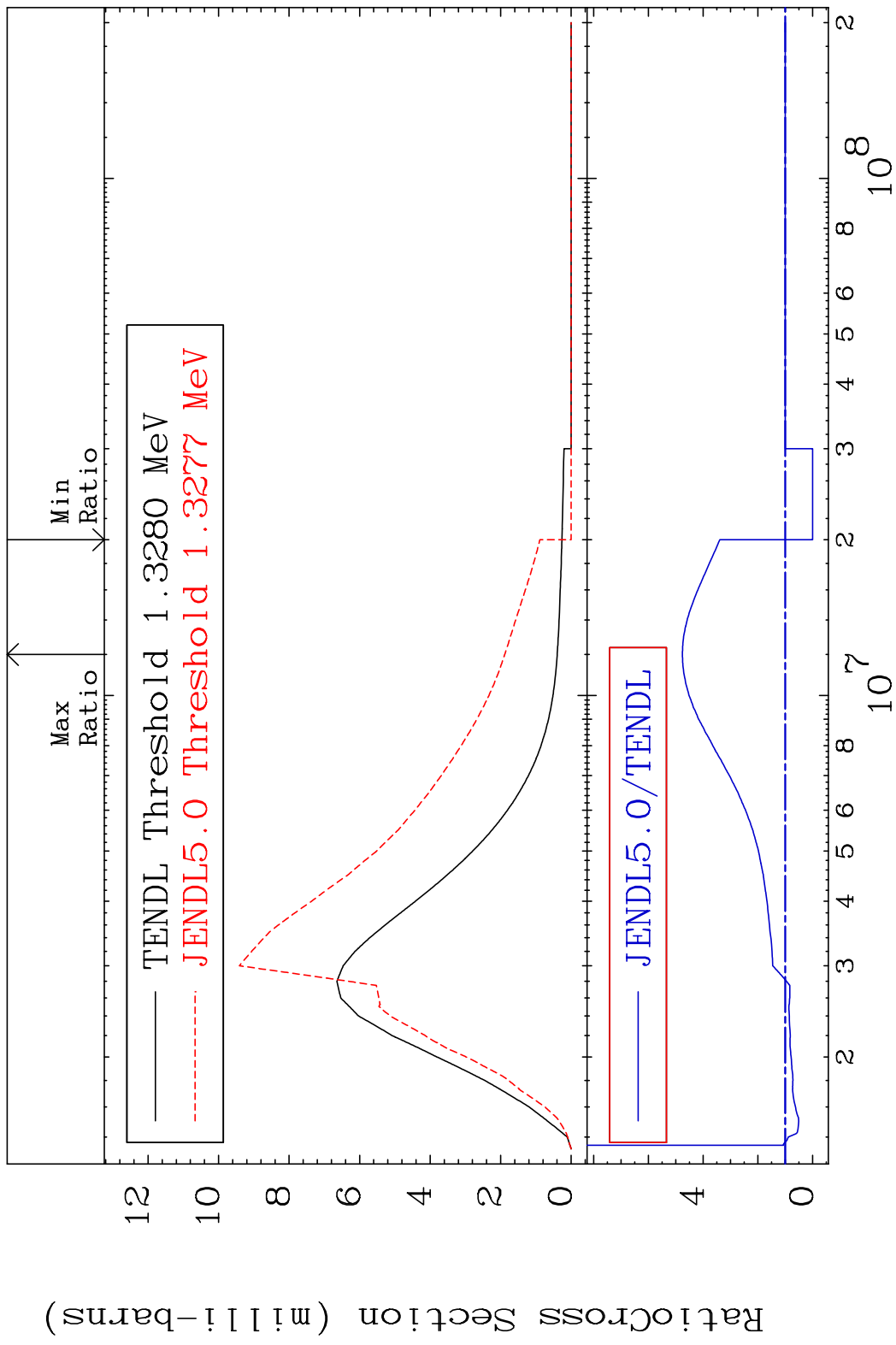


MAT 2325 MT= 57 (n, n') Level 23-V -50  
 Cross Section -100.0 To 1957. %



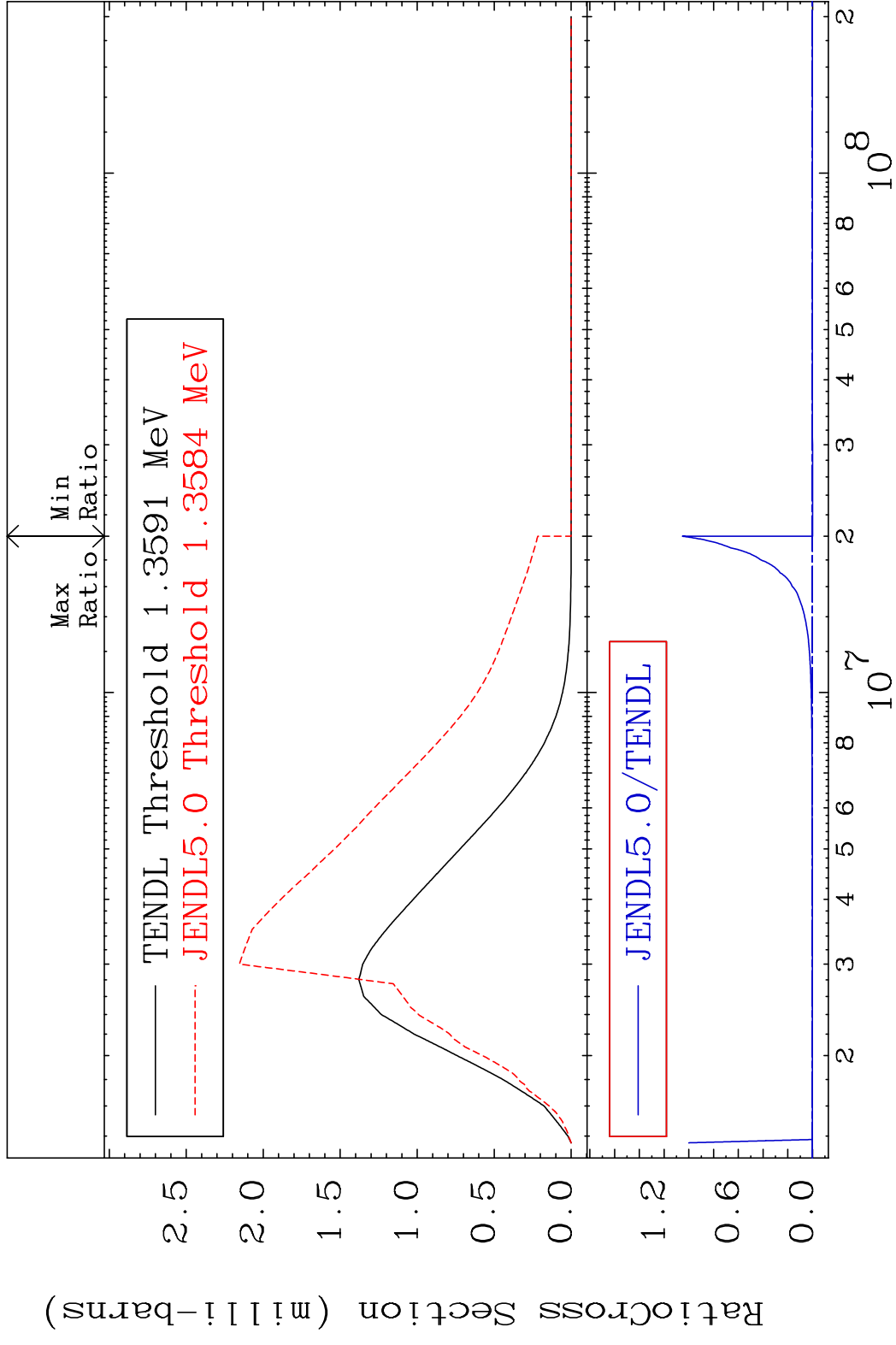
16 Incident Energy (eV) 23-V -50

MAT 2325 MT= 58 (n, n') Level 23-V -50  
 Cross Section -100.0 To 375.7 %

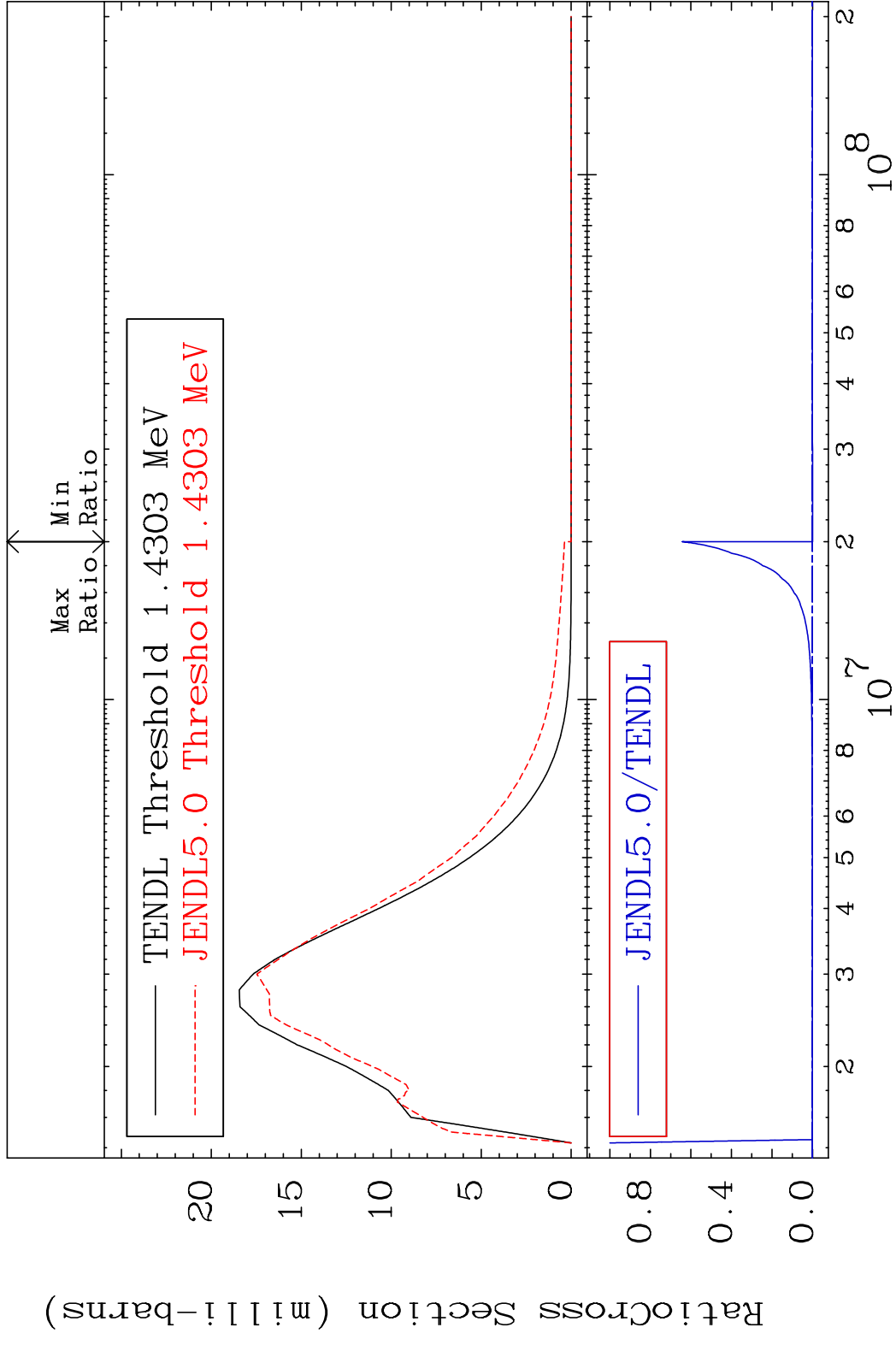


17 Incident Energy (eV) 23-V -50

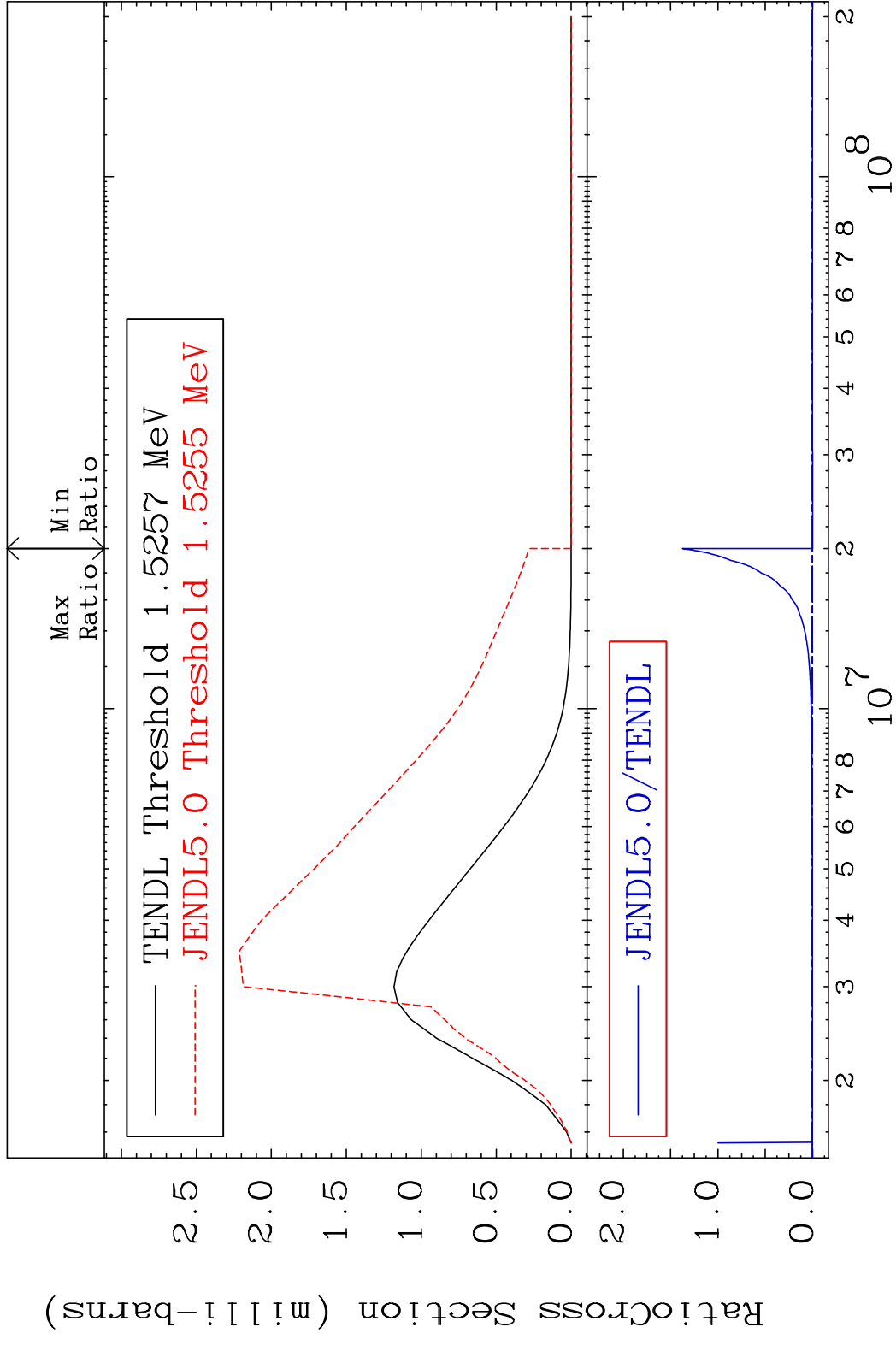
MAT 2325 MT= 59 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %



MAT 2325 MT= 60 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %

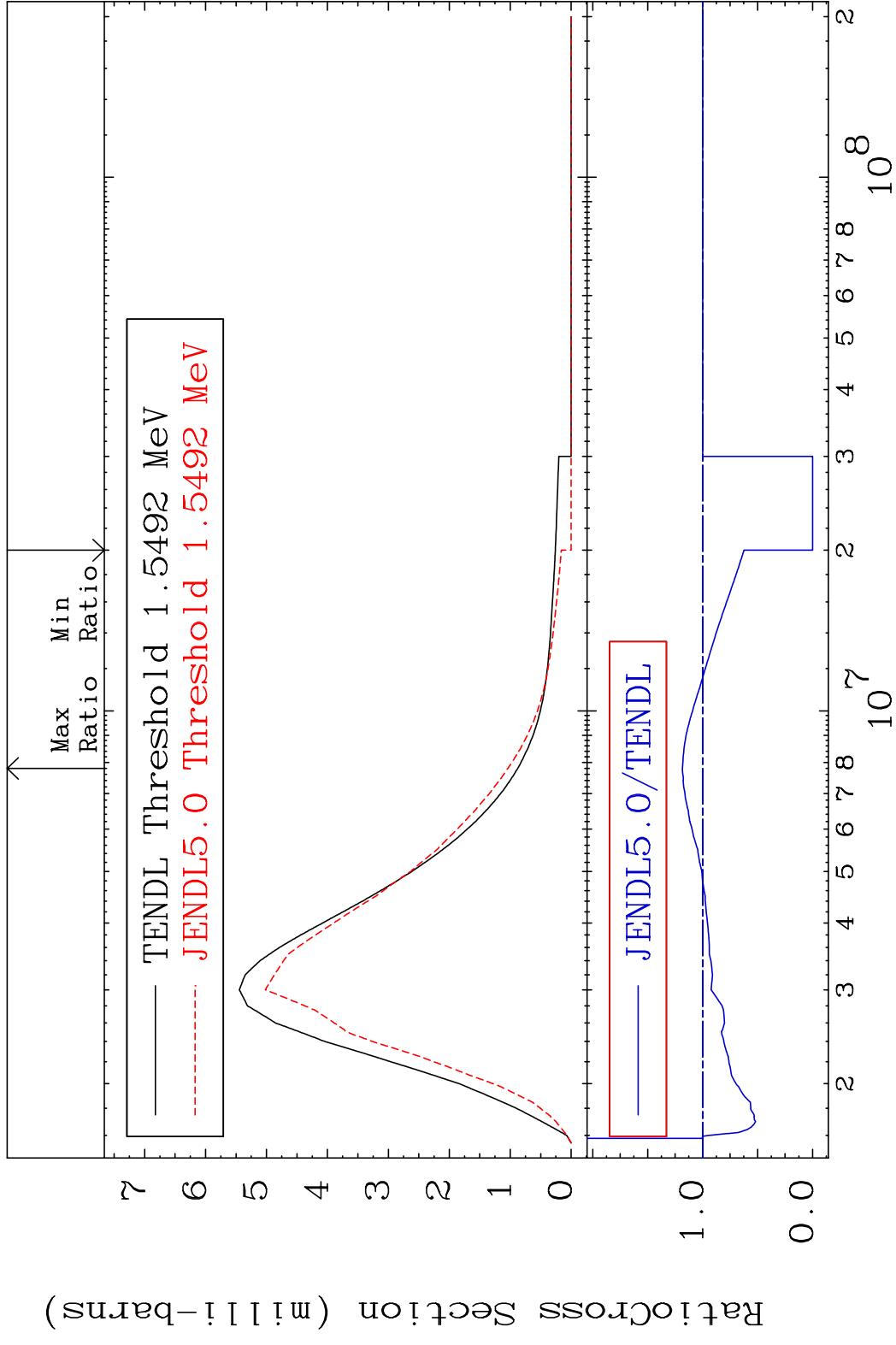


MAT 2325 MT= 61 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %

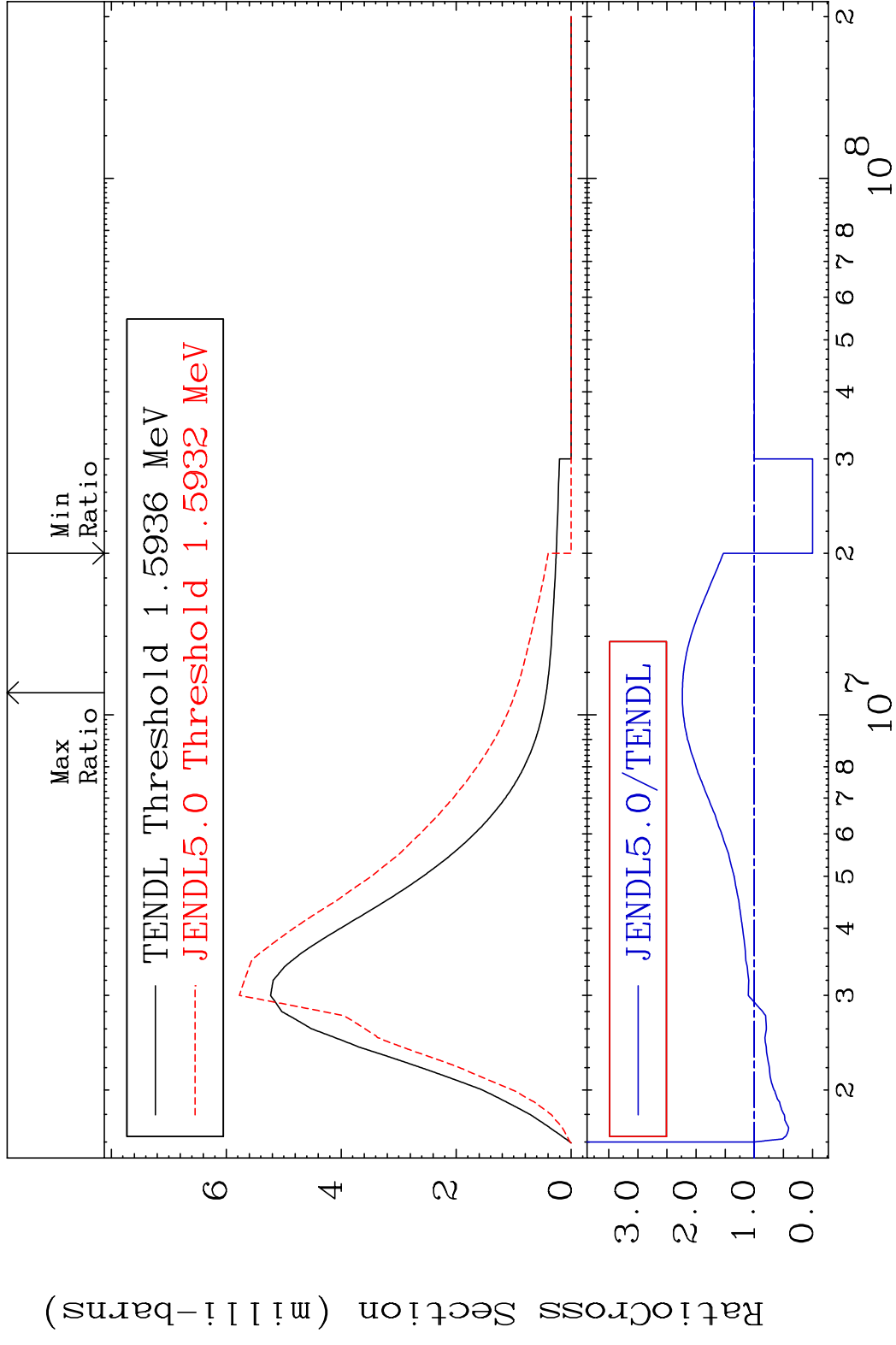


20 Incident Energy (eV) 23-V -50

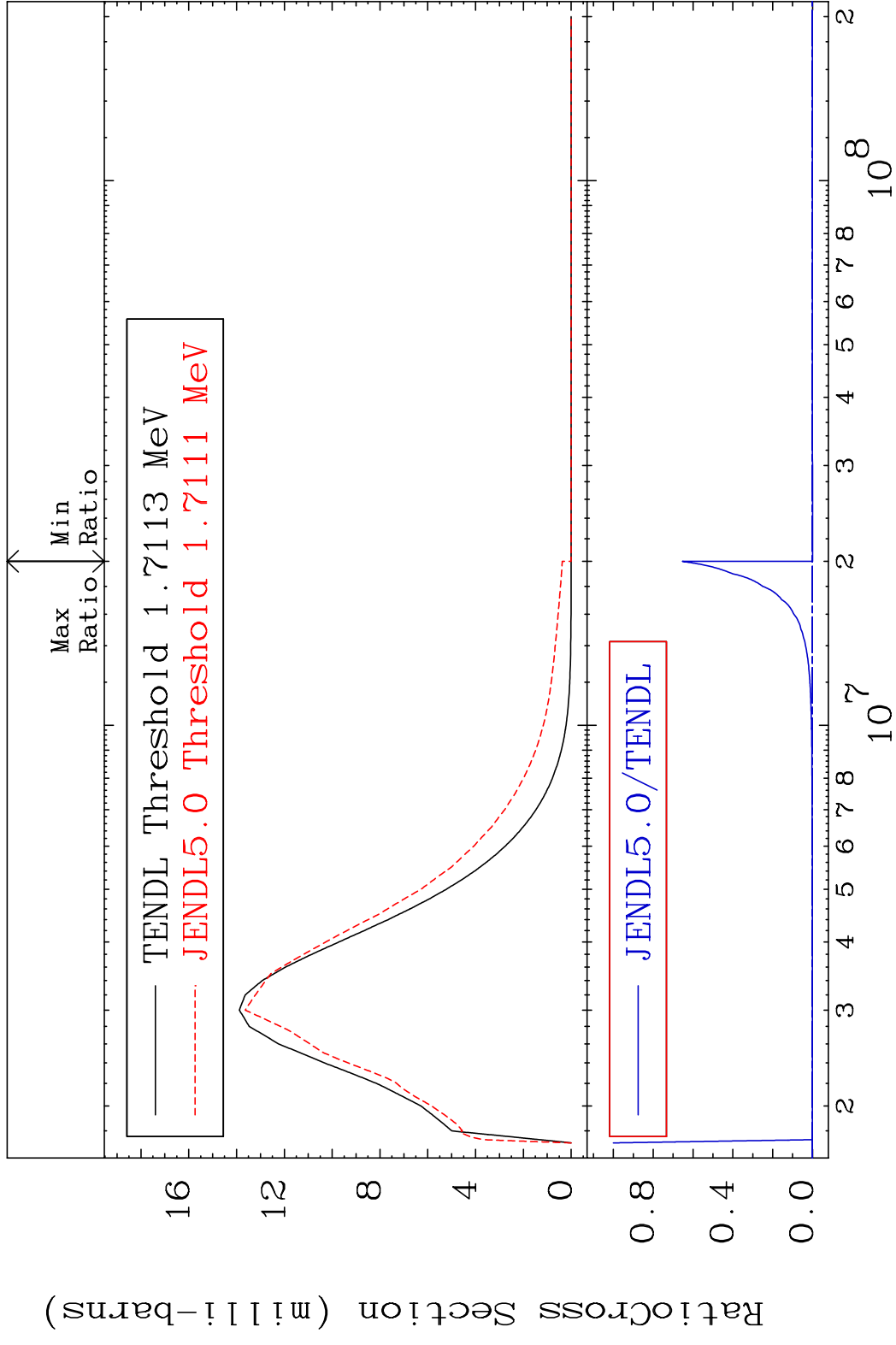
MAT 2325 MT= 62 (n, n') Level 23-V -50  
 Cross Section -100.0 To 18.42 %



MAT 2325 MT= 63 (n, n') Level 23-V -50  
 Cross Section -100.0 To 123.6 %

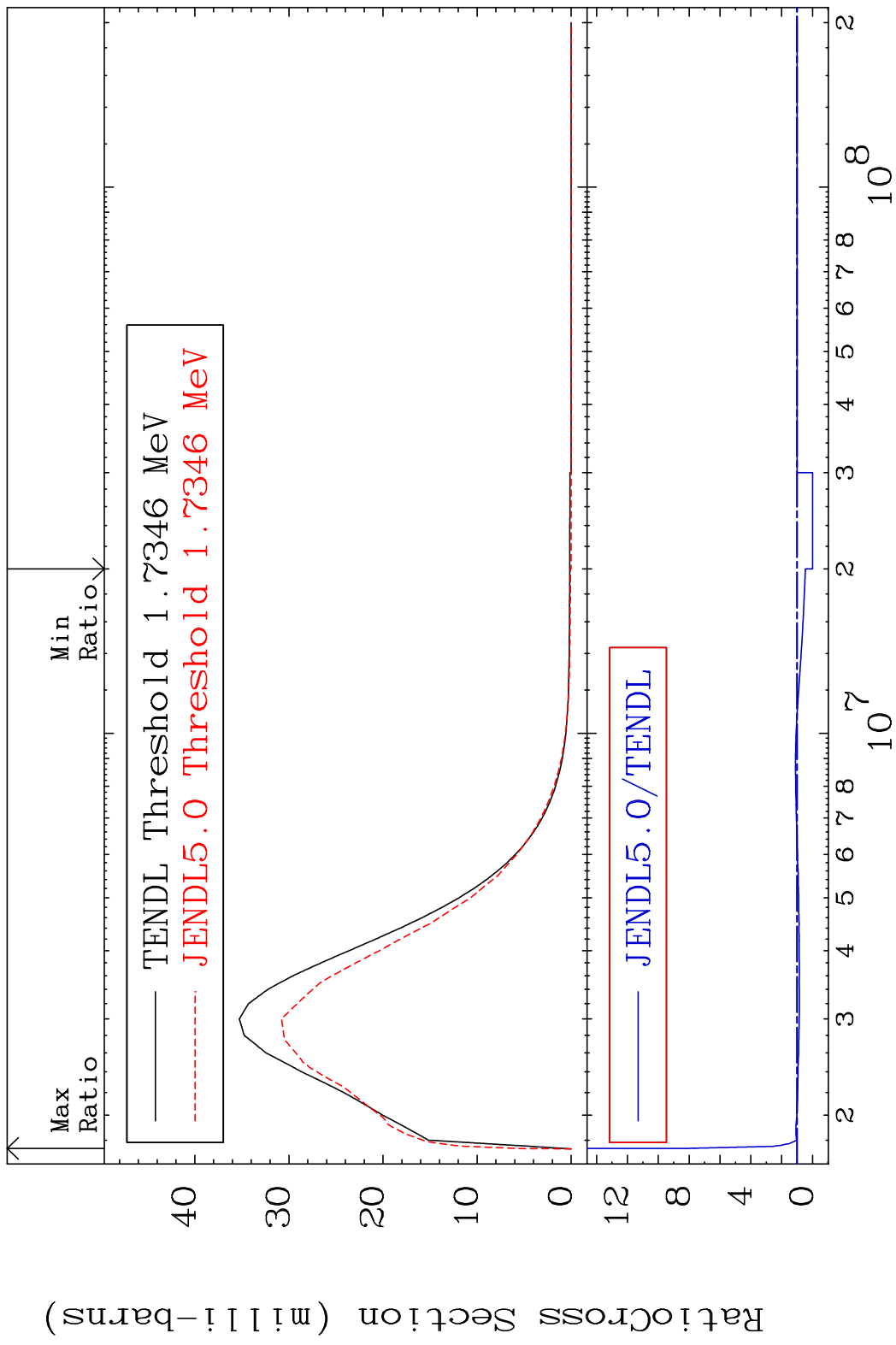


MAT 2325 MT= 64 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %

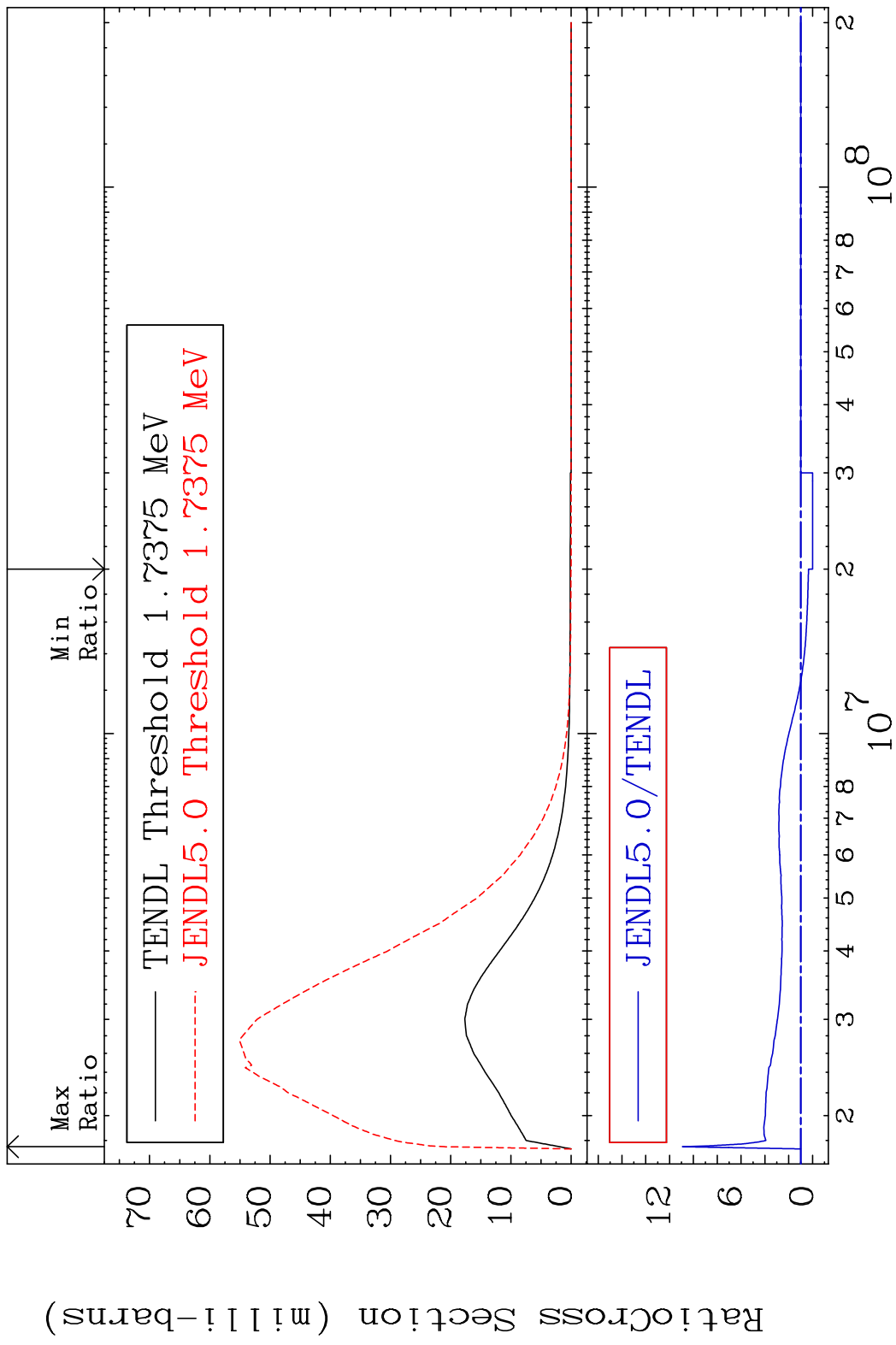




MAT 2325 MT= 65 (n, n') Level 23-V -50  
 Cross Section -100.0 To 743.9 %

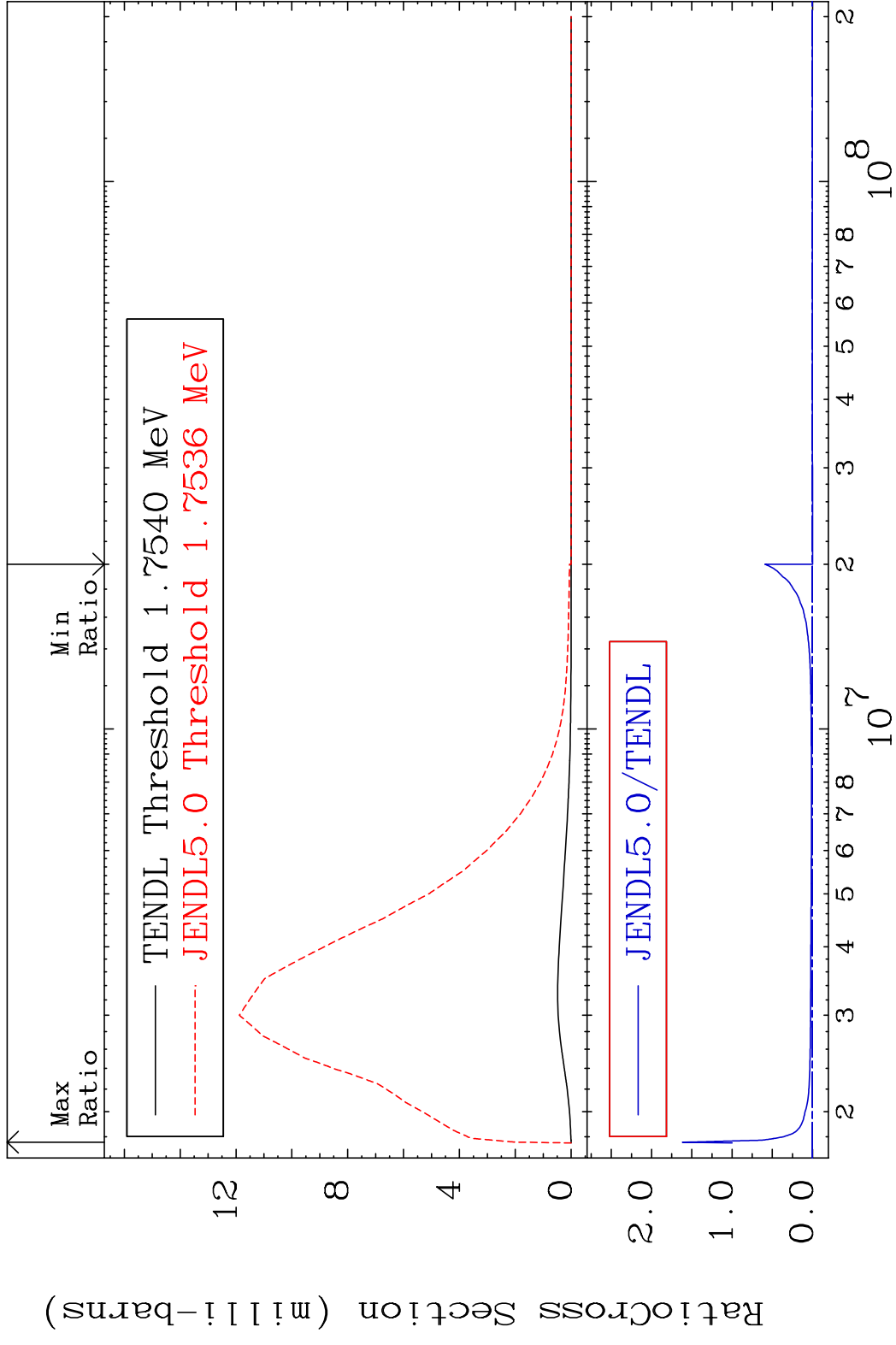


MAT 2325 MT= 66 (n, n') Level 23-V -50  
 Cross Section -100.0 To 993.0 %

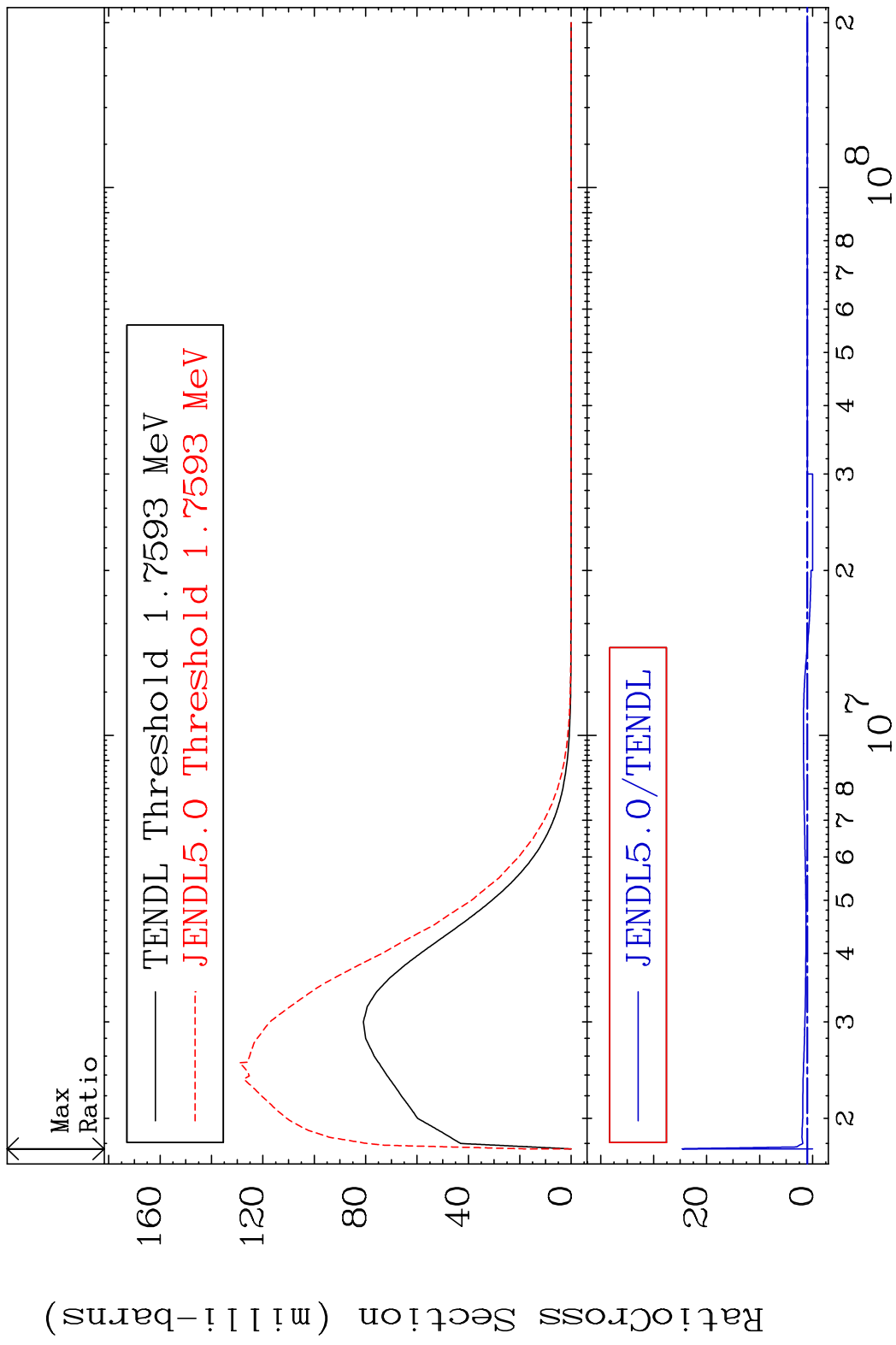


25 Incident Energy (eV) 23-V -50

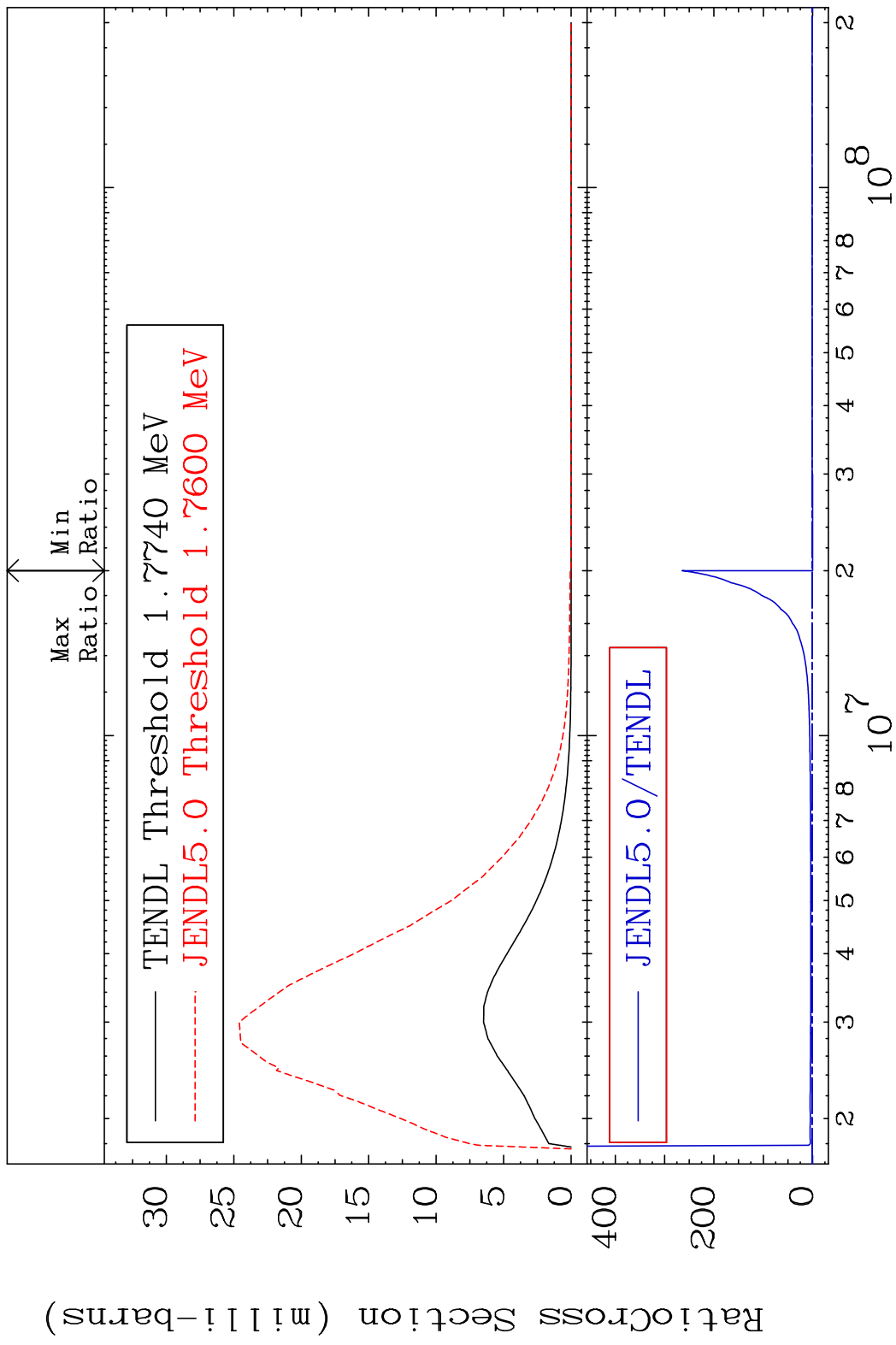
MAT 2325 MT= 67 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %



MAT 2325 MT= 68 (n, n') Level 23-V -50  
 Cross Section -100.0 To 2359. %

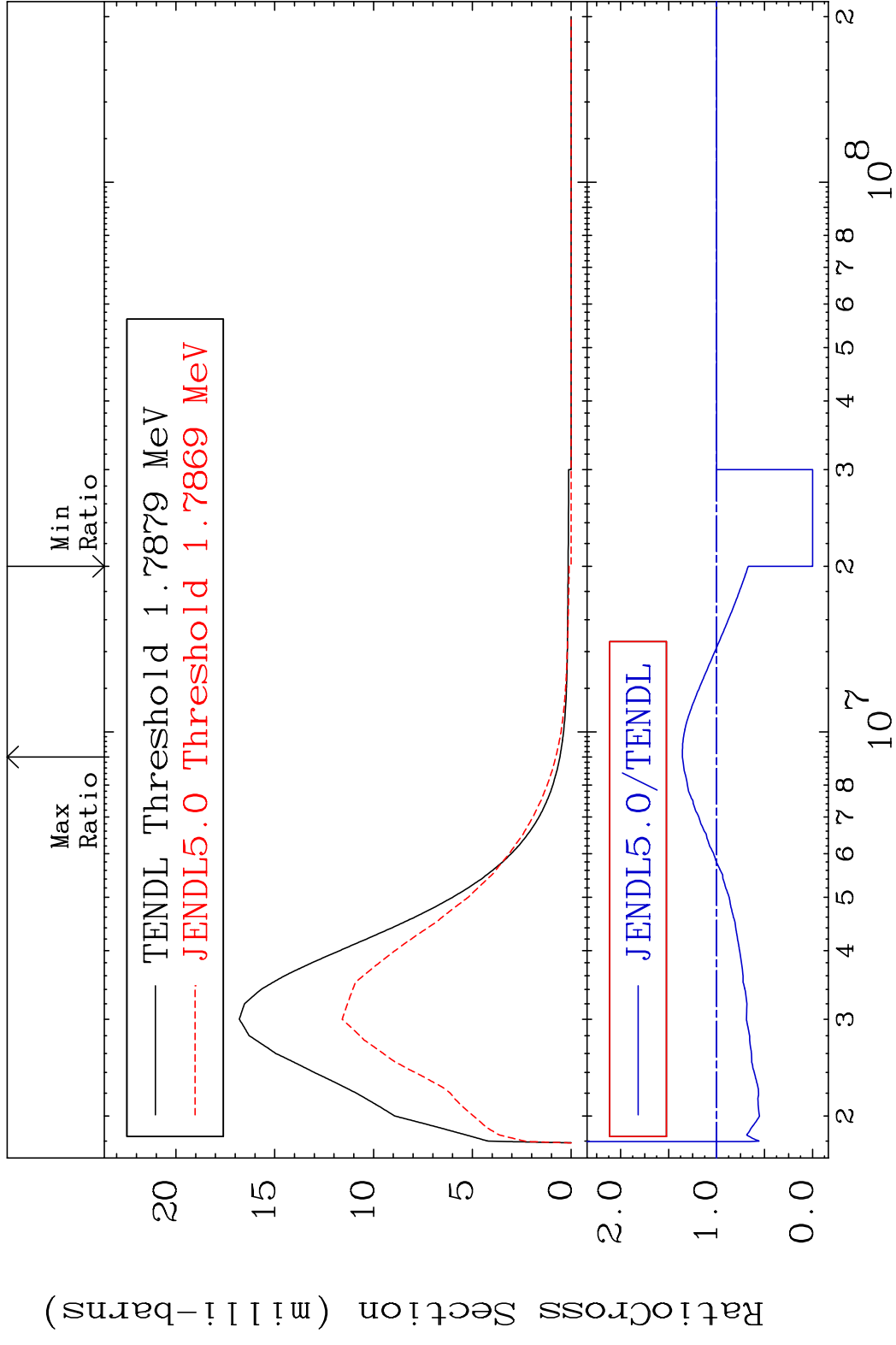


MAT 2325 MT= 69 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %

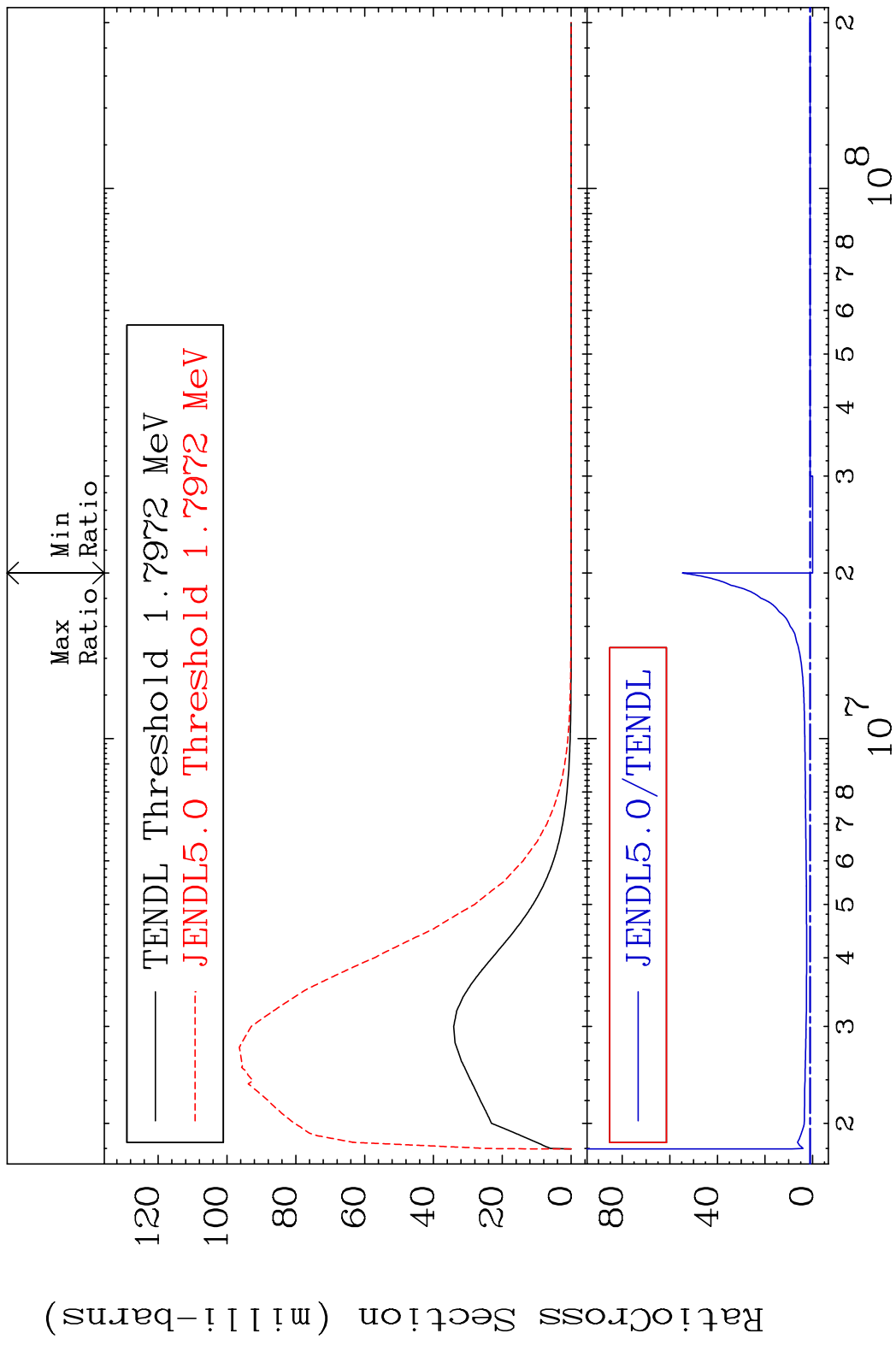


28 Incident Energy (eV) 23-V -50

MAT 2325 MT= 70 (n, n') Level 23-V -50  
 Cross Section -100.0 To 35.72 %

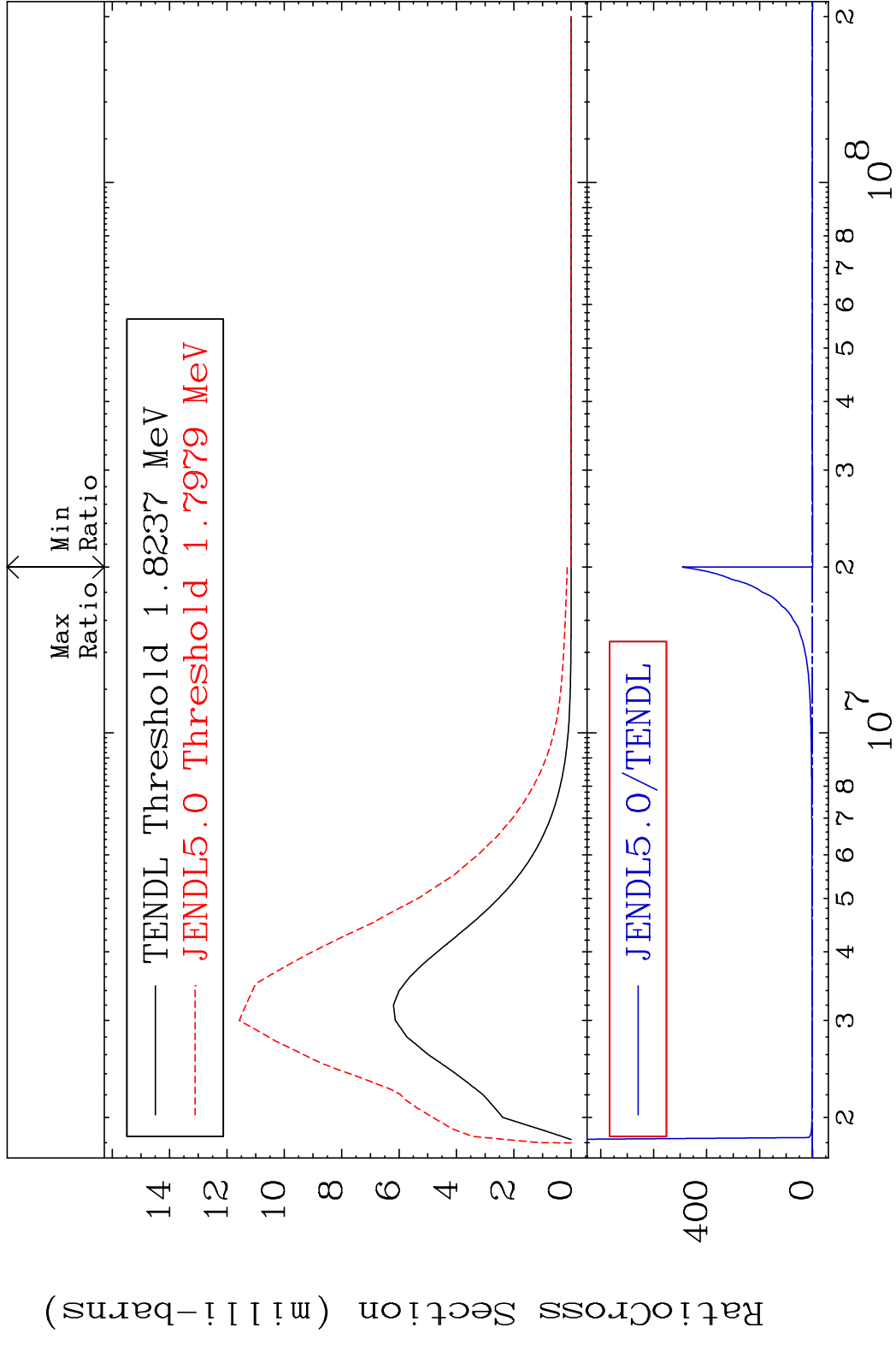


MAT 2325 MT= 71 (n, n') Level 23-V -50  
 Cross Section -100.0 To 5373. %



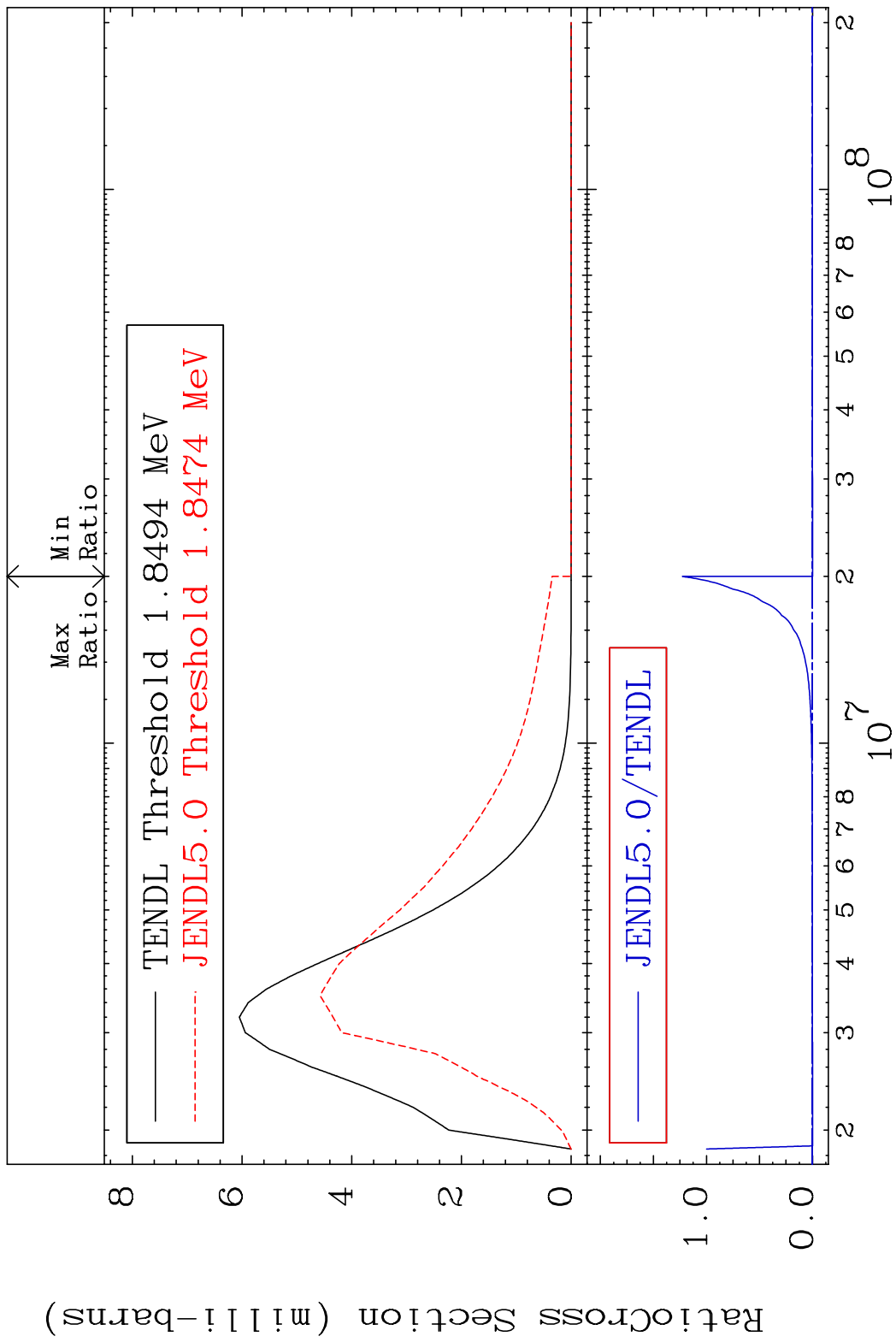
30 Incident Energy (eV) 23-V -50

MAT 2325 MT= 72 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %



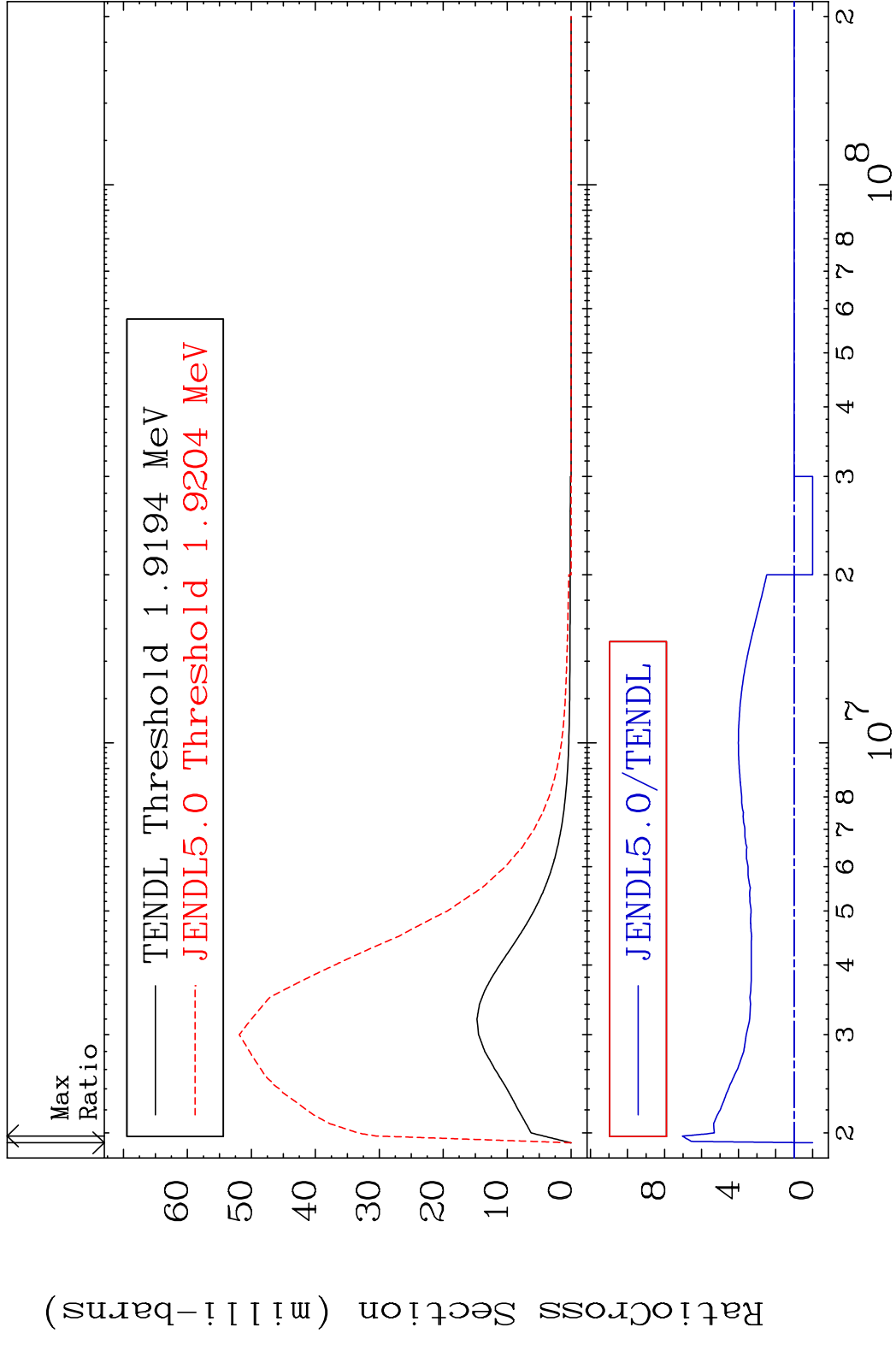


MAT 2325 MT= 73 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %

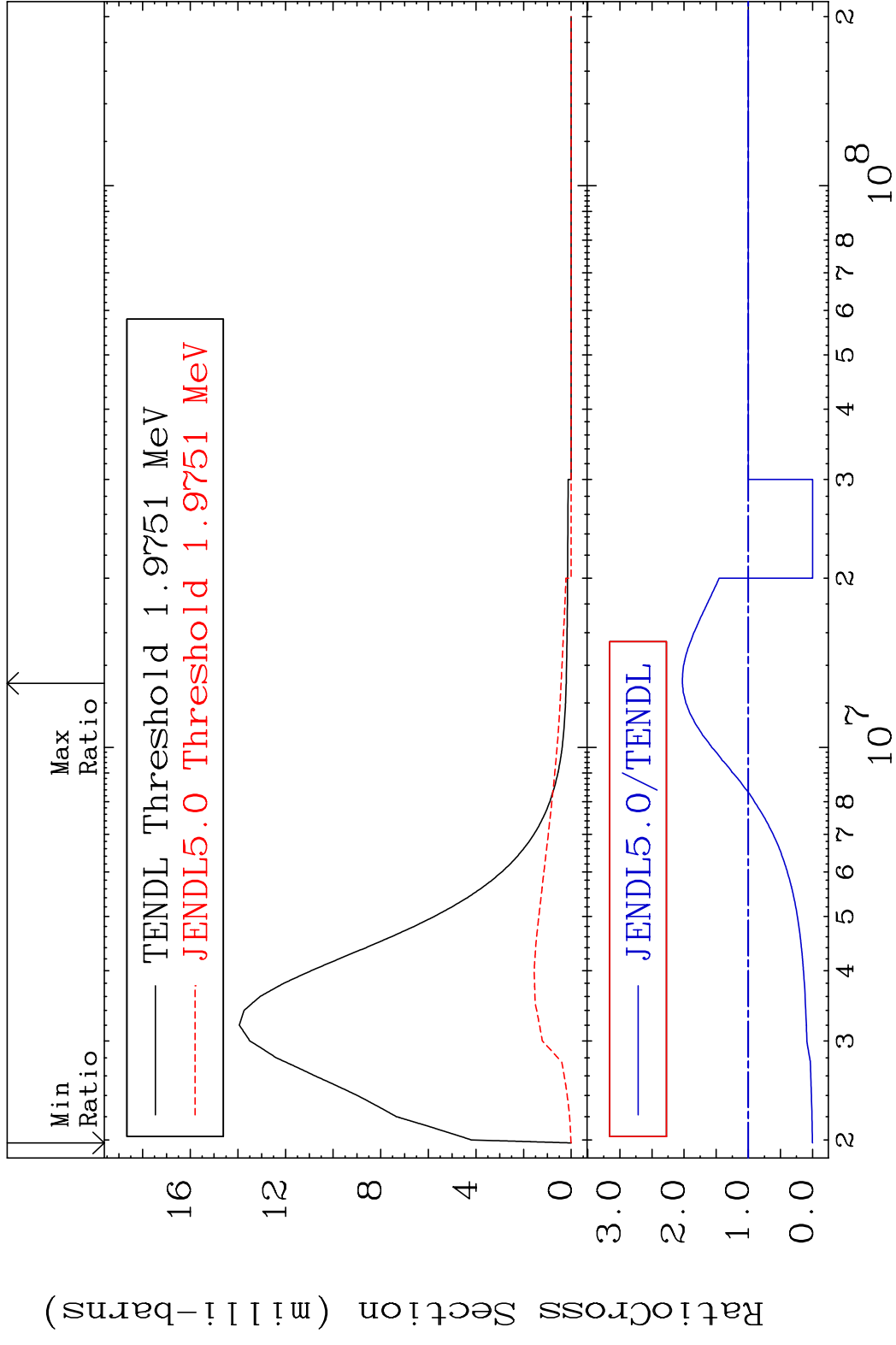


32 Incident Energy (eV) 23-V -50

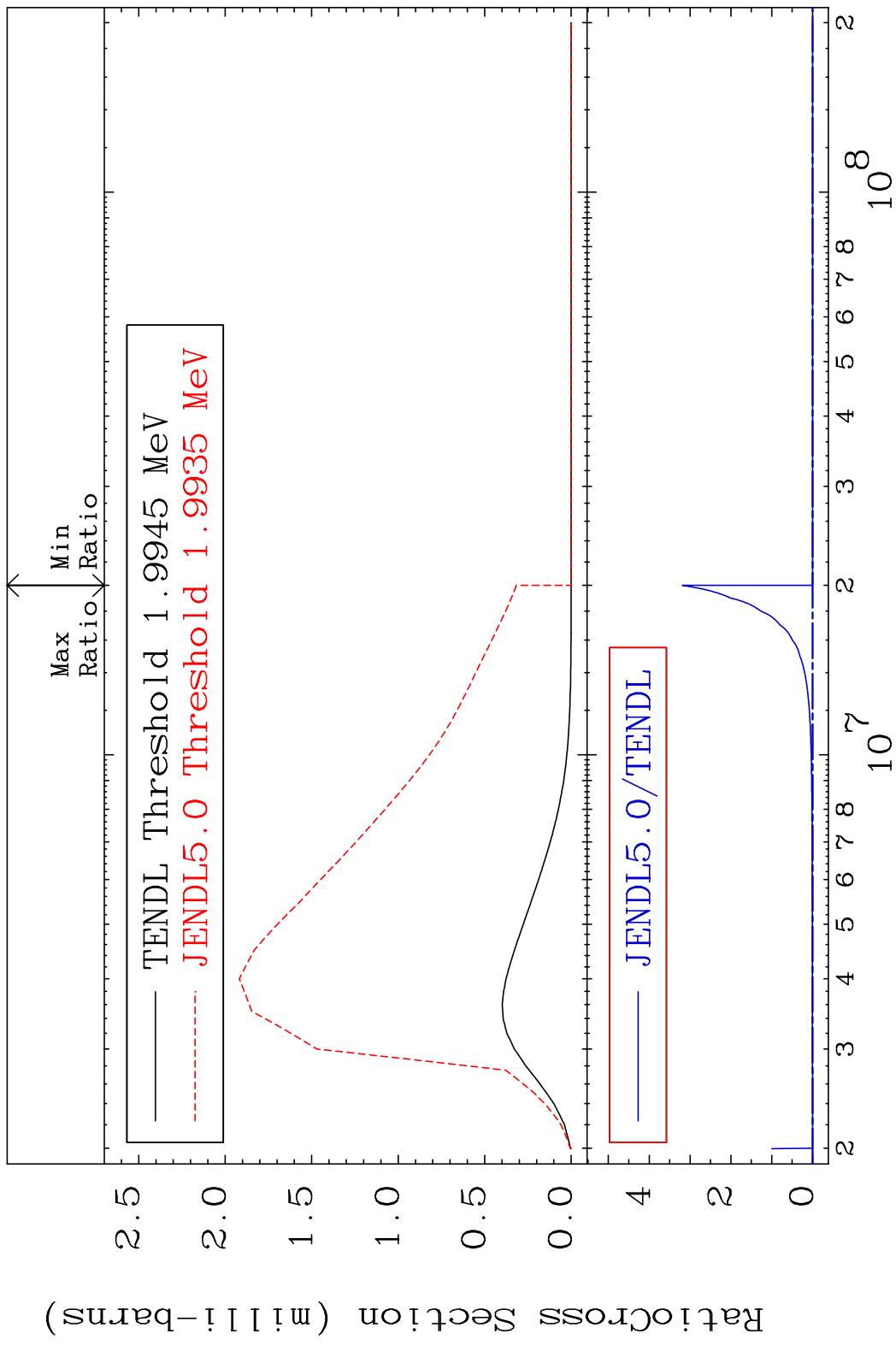
MAT 2325 MT= 74 (n,n') Level 23-V -50  
 Cross Section -100.0 To 603.7 %



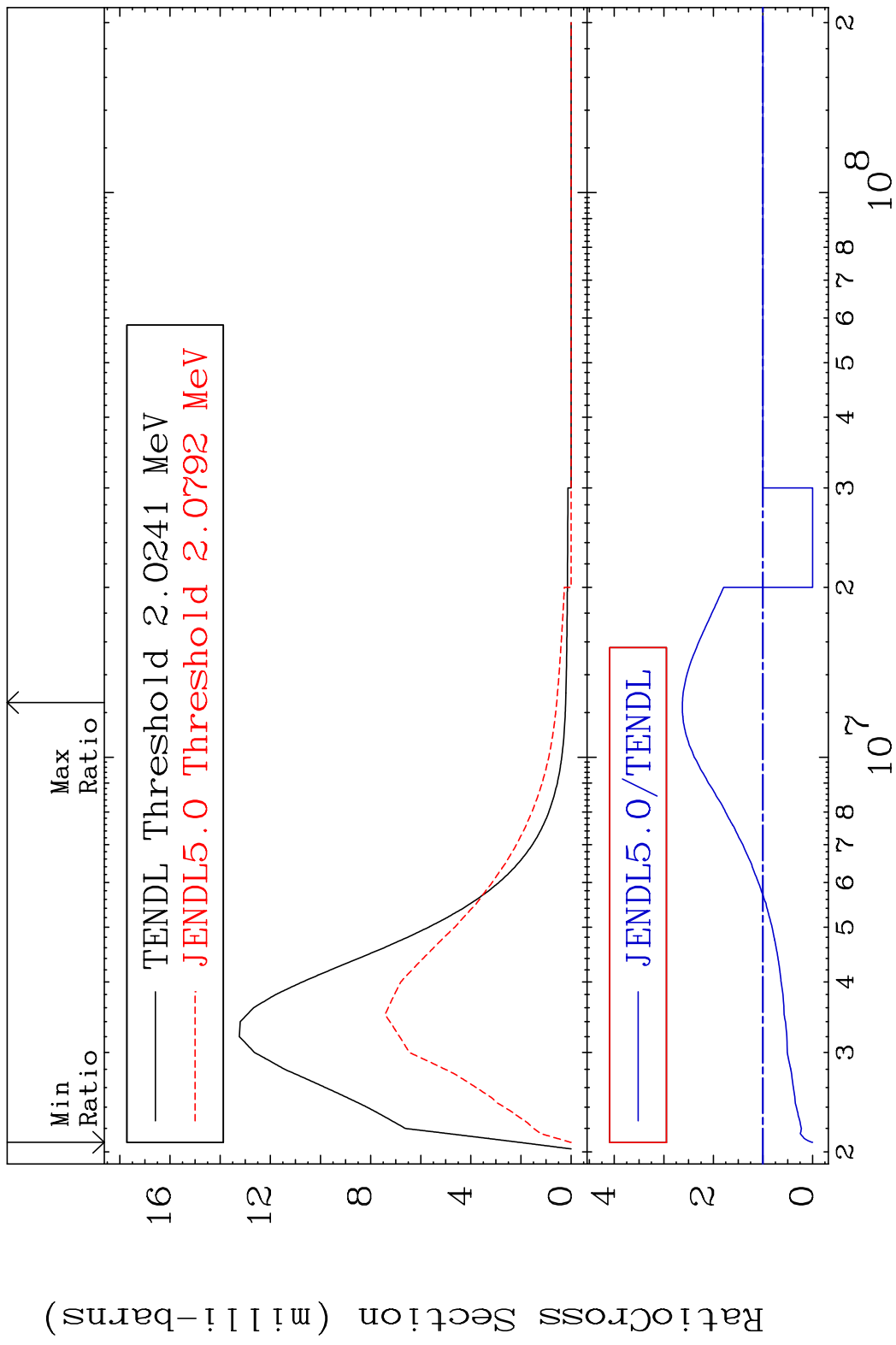
MAT 2325 MT= 75 (n, n') Level 23-V -50  
 Cross Section -100.0 To 102.7 %



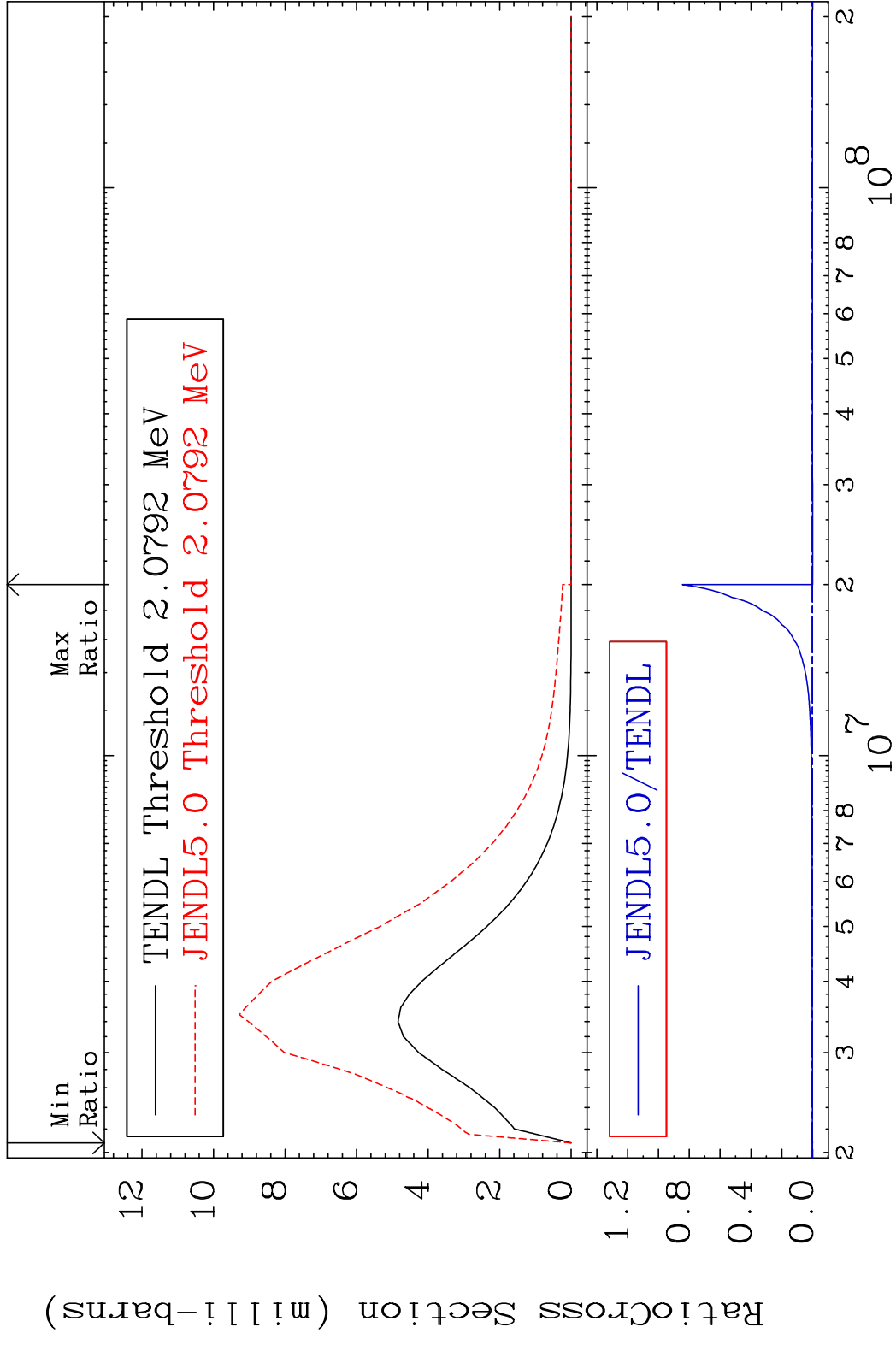
MAT 2325 MT= 76 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %



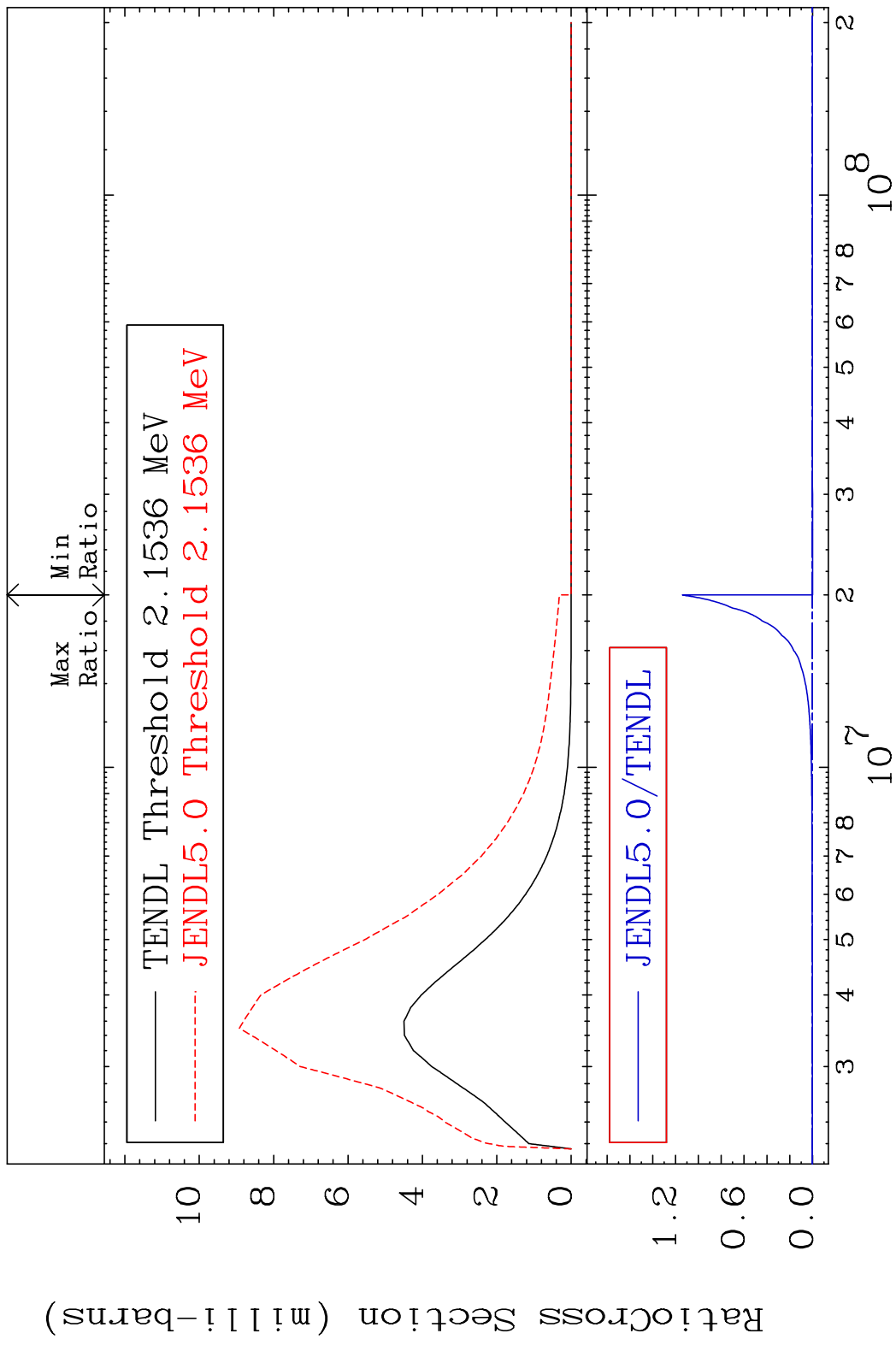
MAT 2325 MT= 77 (n, n') Level 23-V -50  
 Cross Section -100.0 To 162.6 %



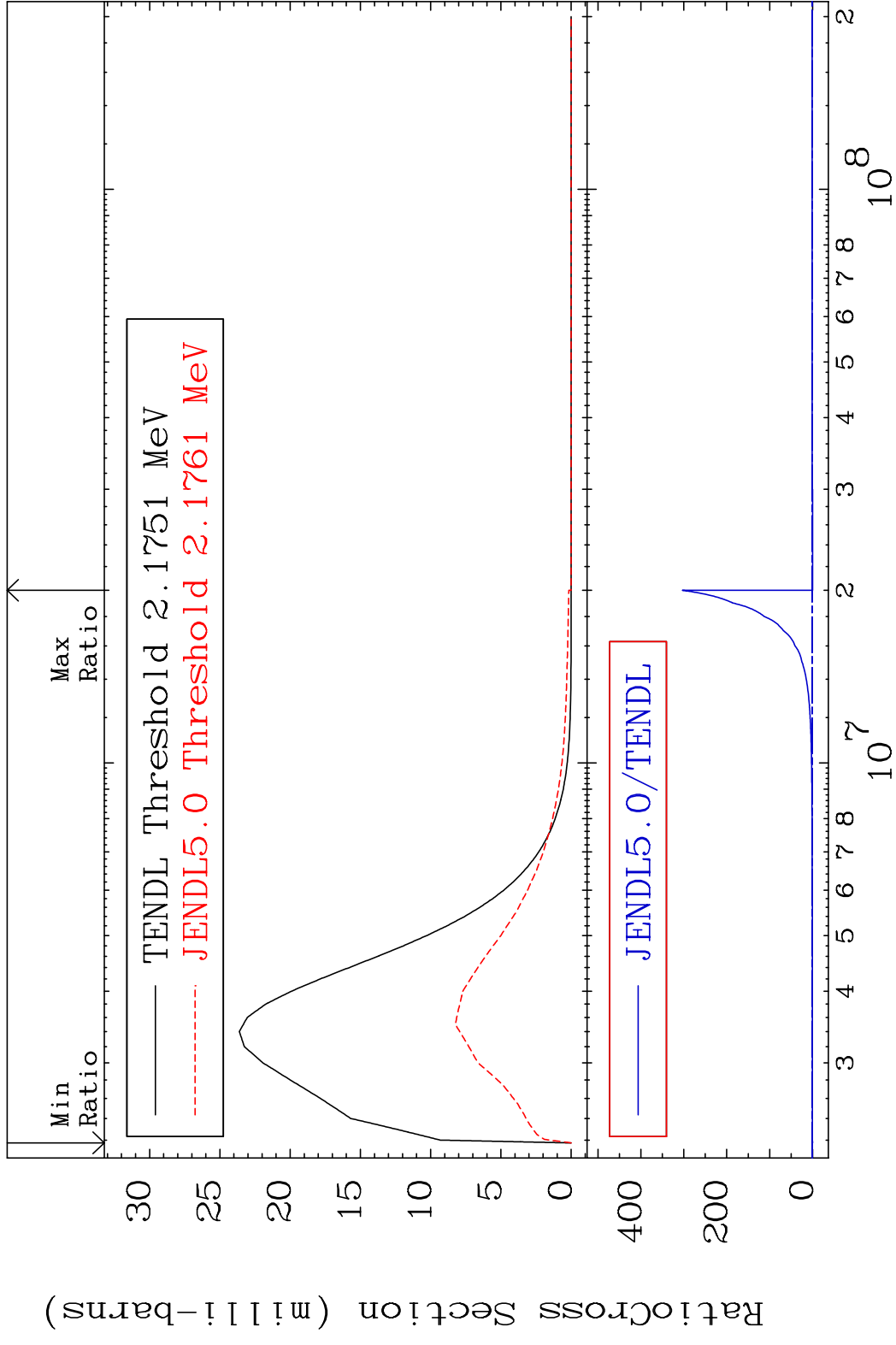
MAT 2325 MT= 78 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %



MAT 2325 MT= 79 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %

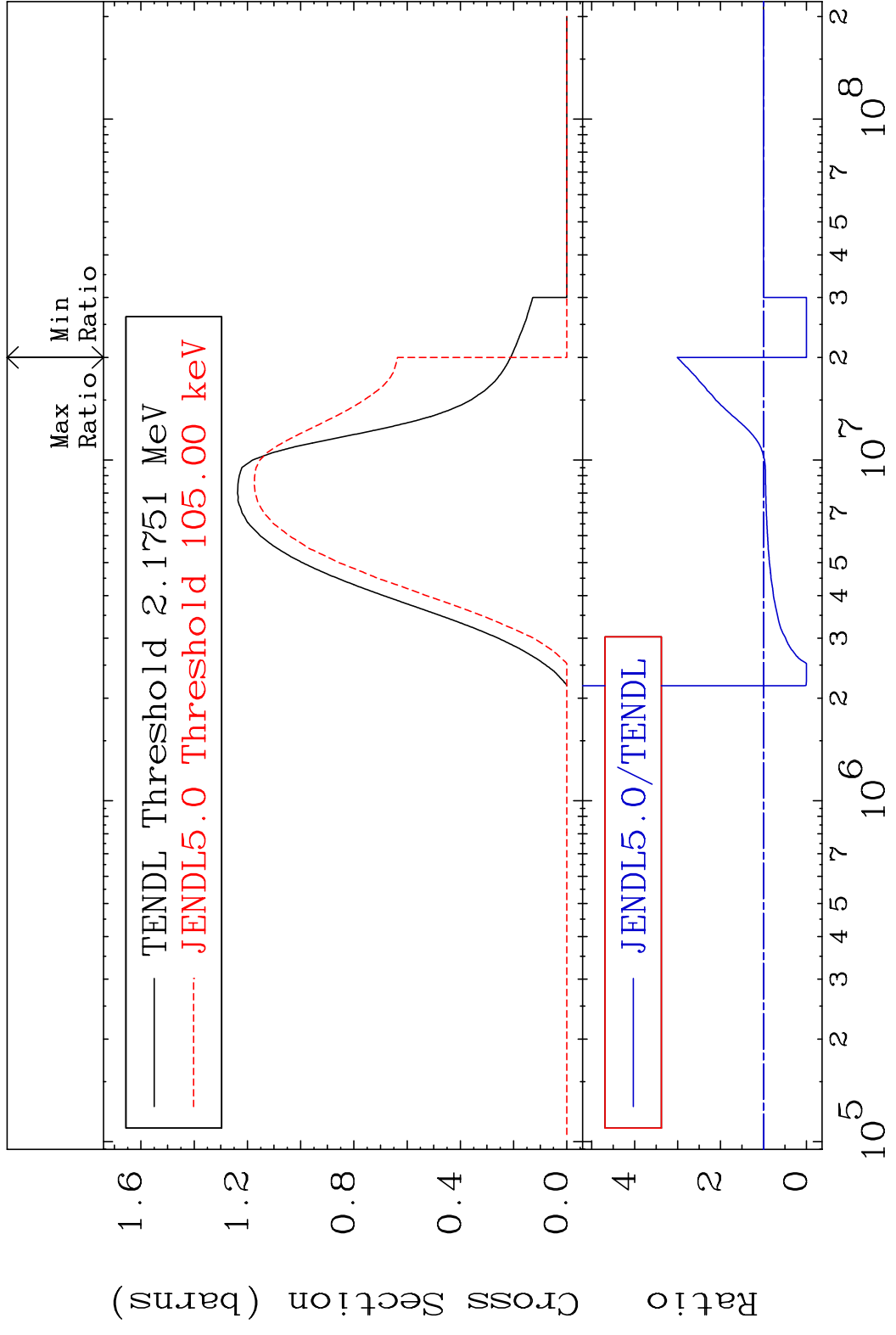


MAT 2325 MT= 80 (n, n') Level 23-V -50  
 Cross Section -100.0 To 9999. %





MAT 2325 (n,n') Continuum 23-V -50  
 Cross Section -100.0 To 201.0 %



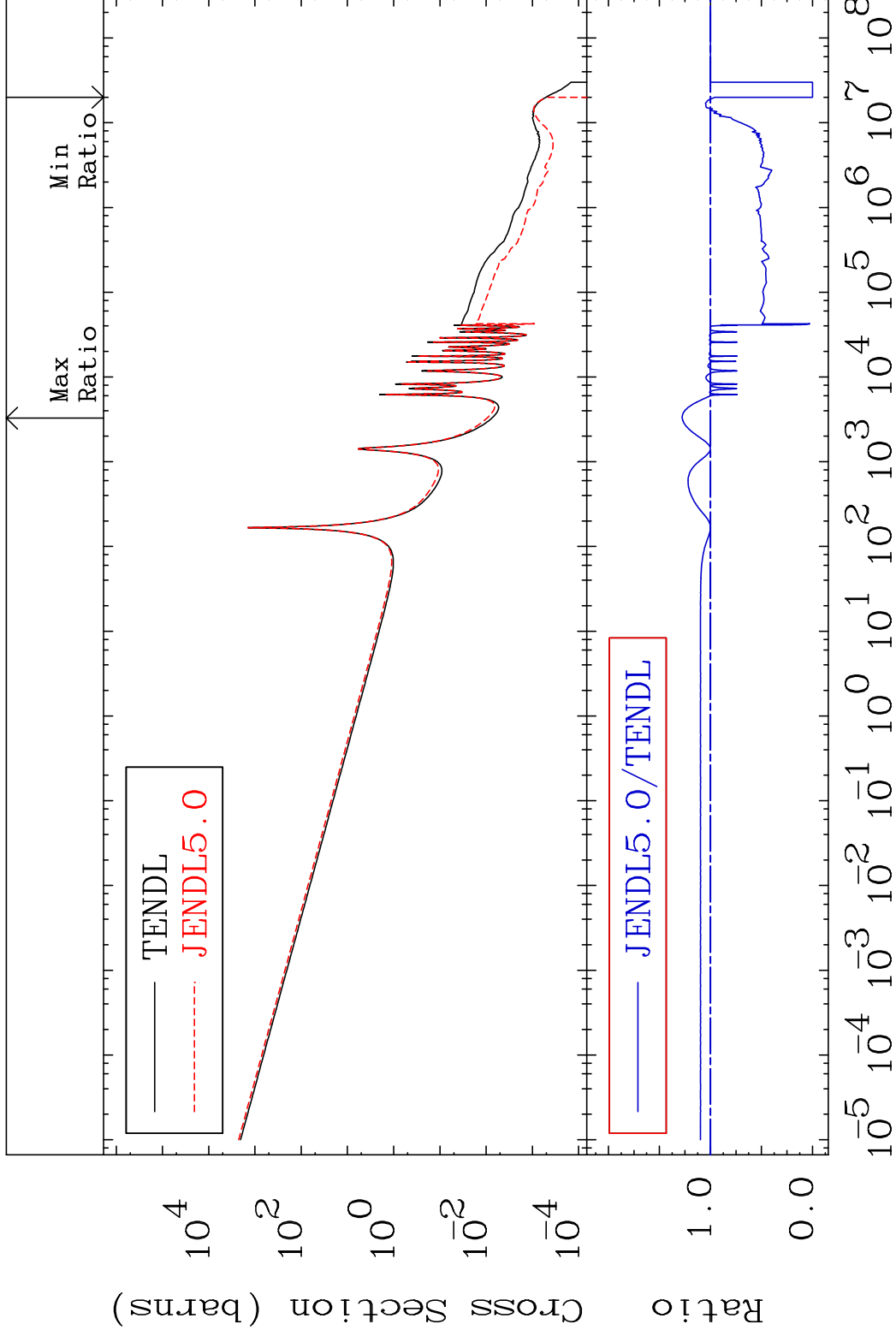
40 Incident Energy (eV) 23-V -50

MAT 2325

(n,  $\gamma$ )

23-V -50

Cross Section -100.0 To 27.74 %



41

Incident Energy (eV)

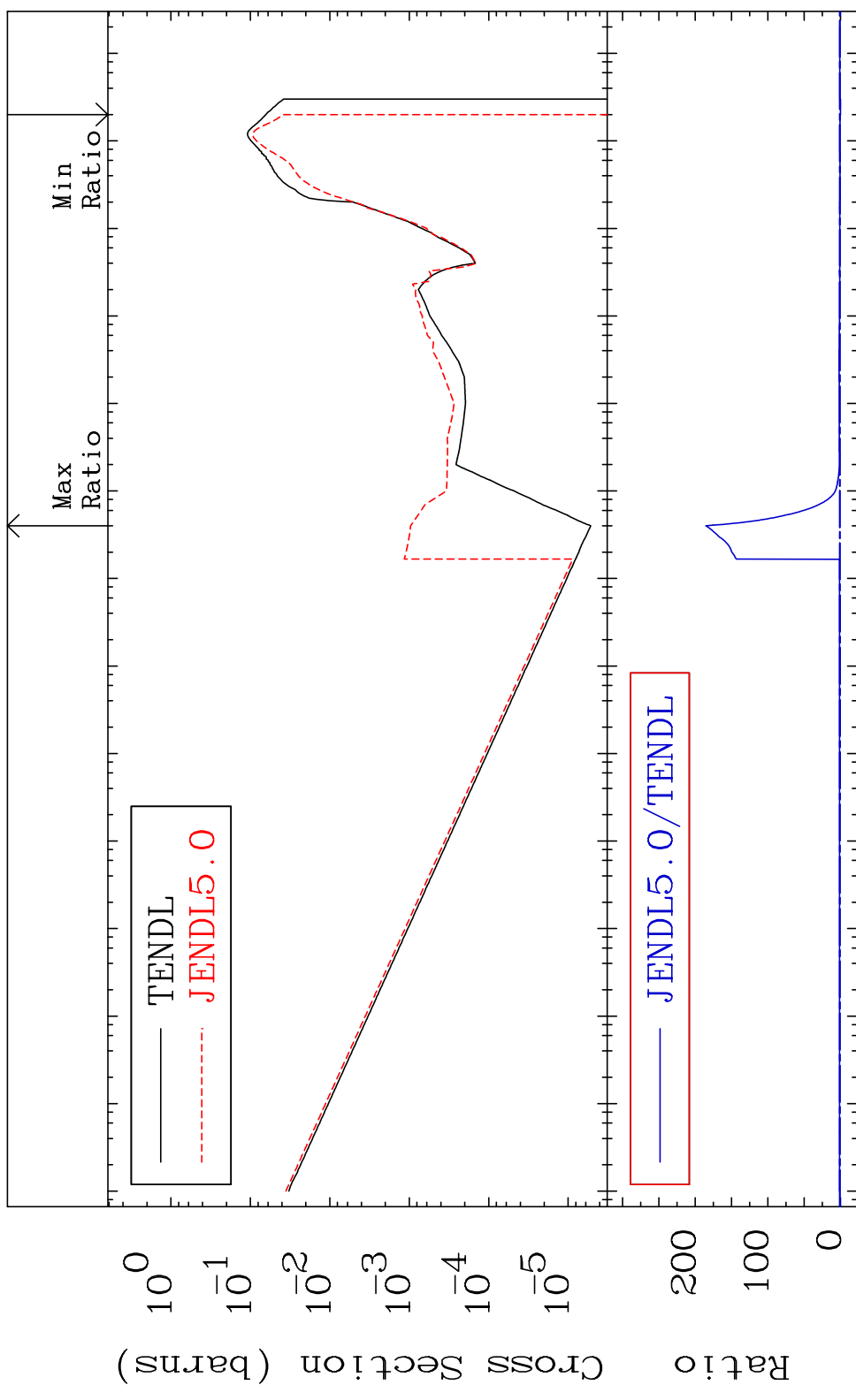
23-V -50

MAT 2325

(n, p)

23-V -50

Cross Section -100.0 To 9999. %



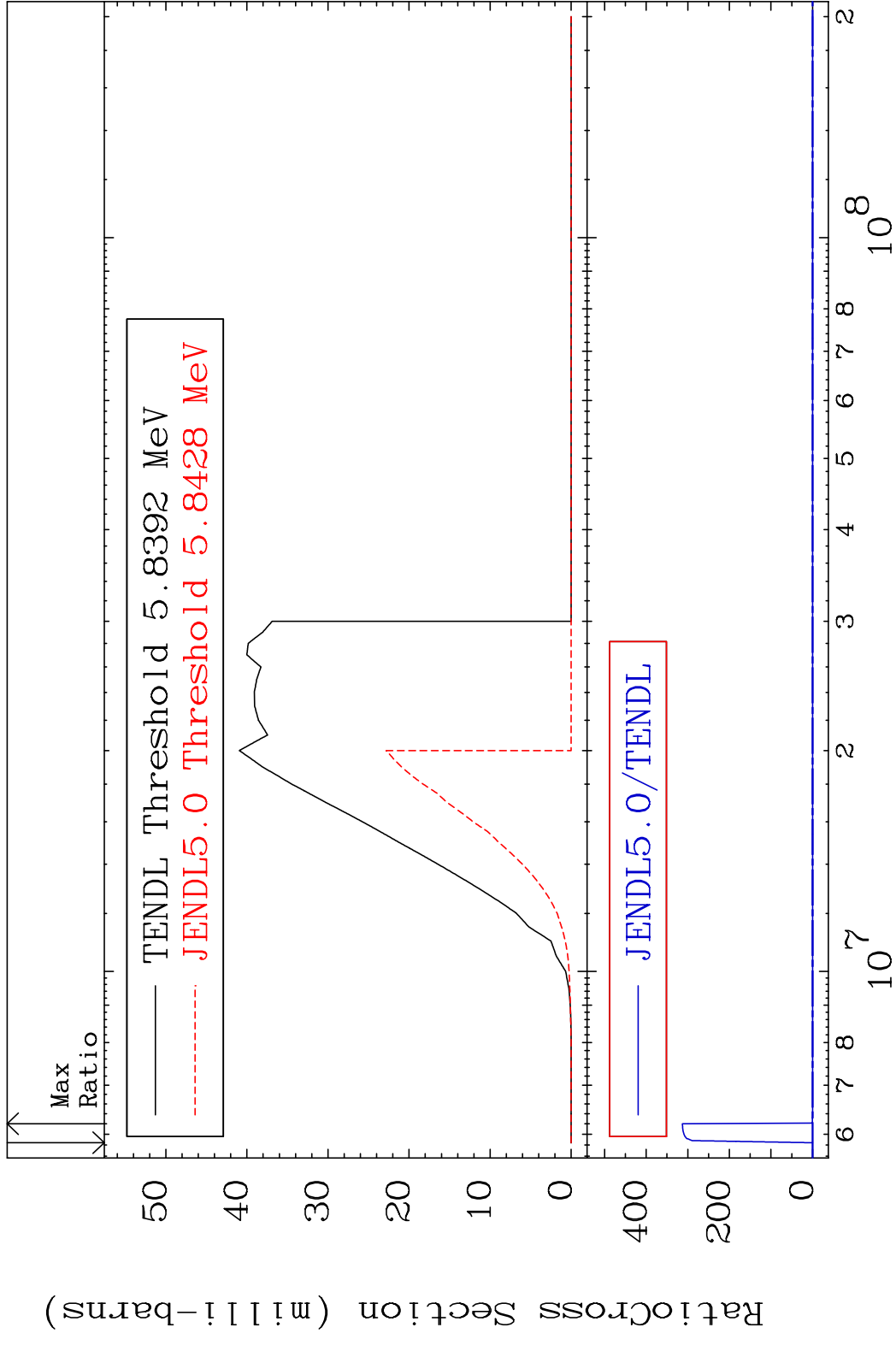
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

42

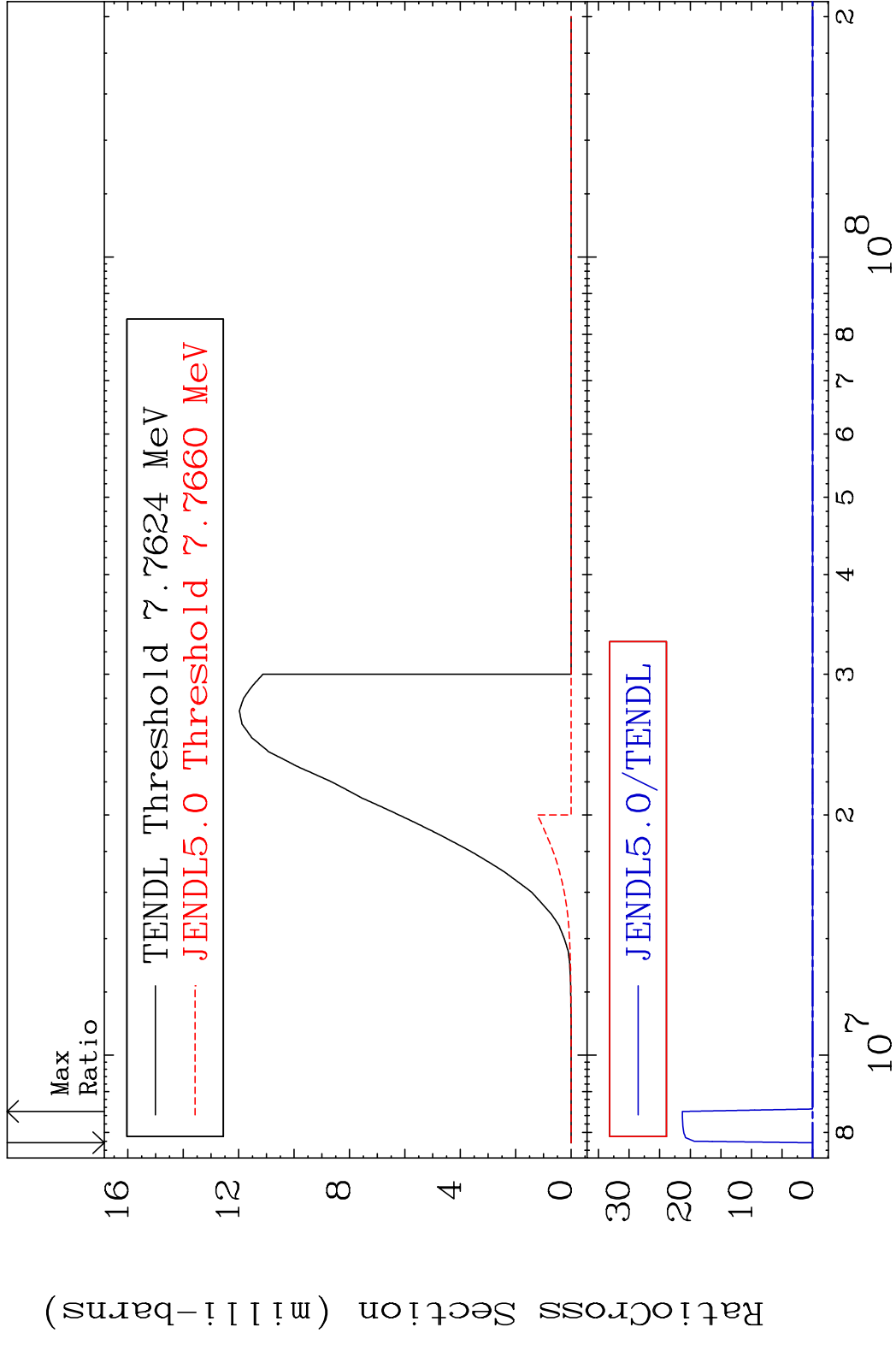
Incident Energy (eV)

23-V -50

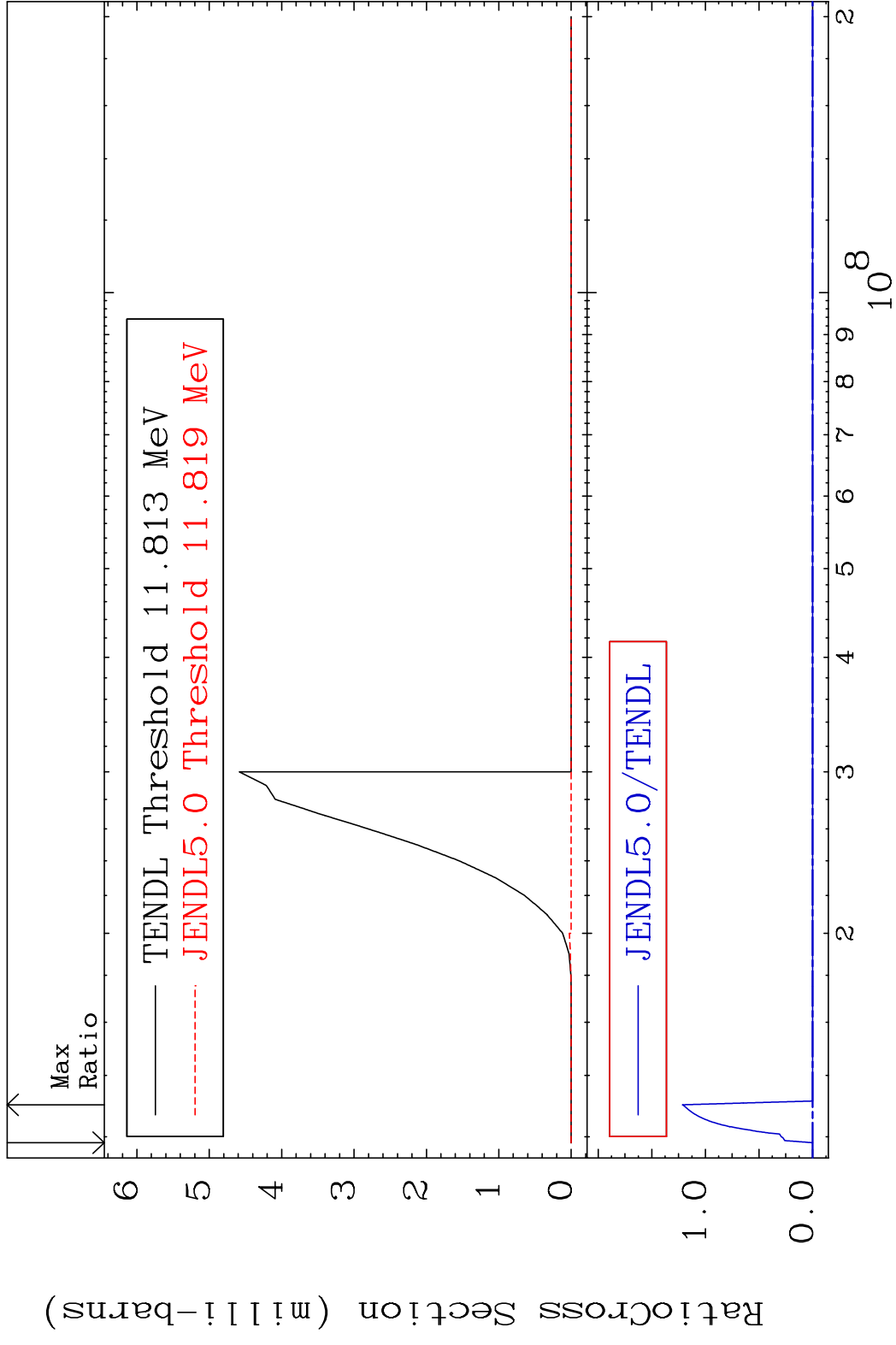
MAT 2325 (n,d) 23-V -50  
 Cross Section -100.0 To 9999. %



MAT 2325 (n, t) 23-V -50  
 Cross Section -100.0 To 9999. %



MAT 2325 (n, He-3) 23-V -50  
 Cross Section -100.0 To 9999. %



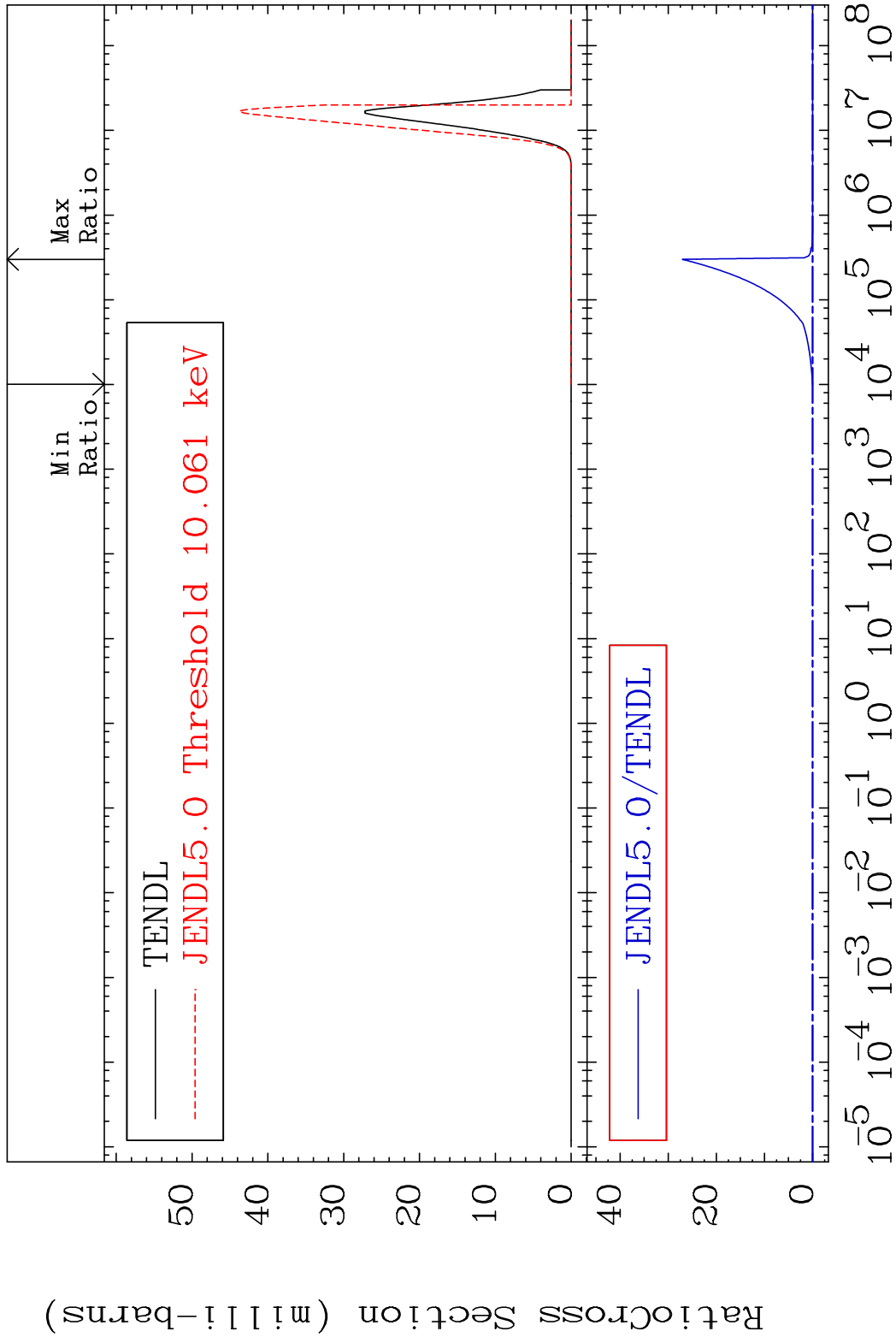
45 Incident Energy (eV) 23-V -50

MAT 2325

(n,  $\alpha$ )

23-V -50

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

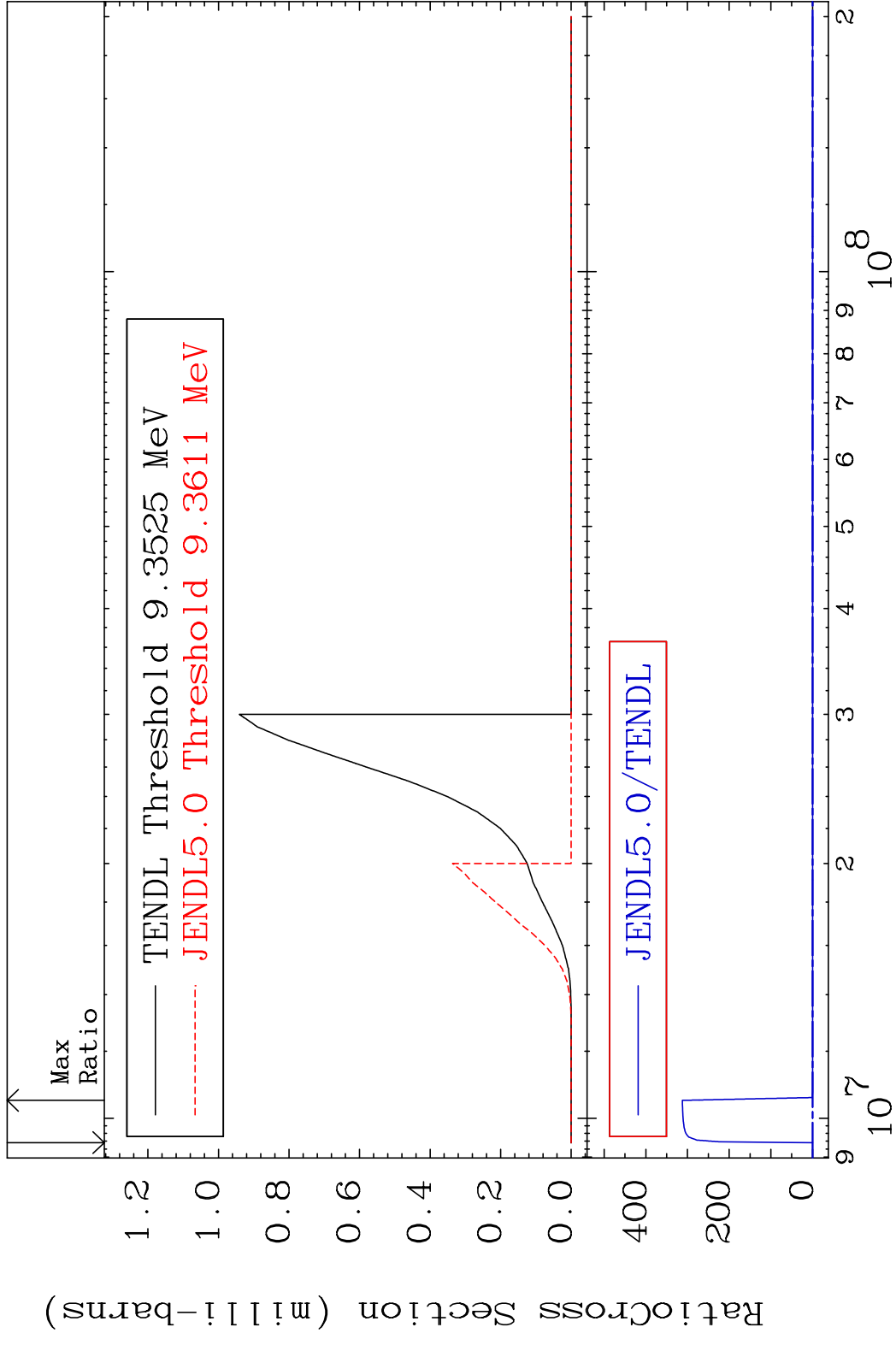
23-V -50

MAT 2325

(n,2p)

23-V -50

Cross Section -100.0 To 9999. %



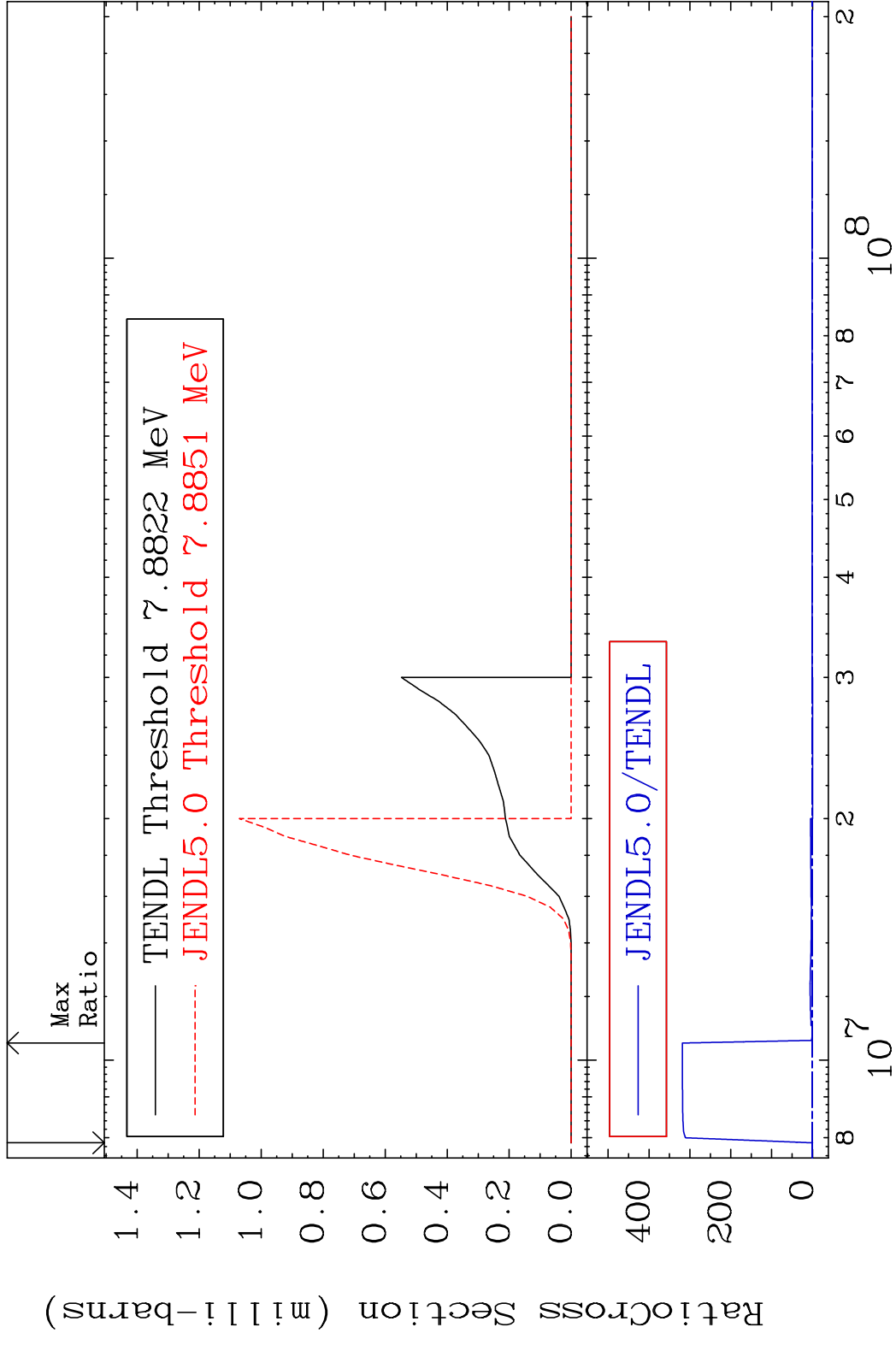
47

Incident Energy (eV)

23-V -50

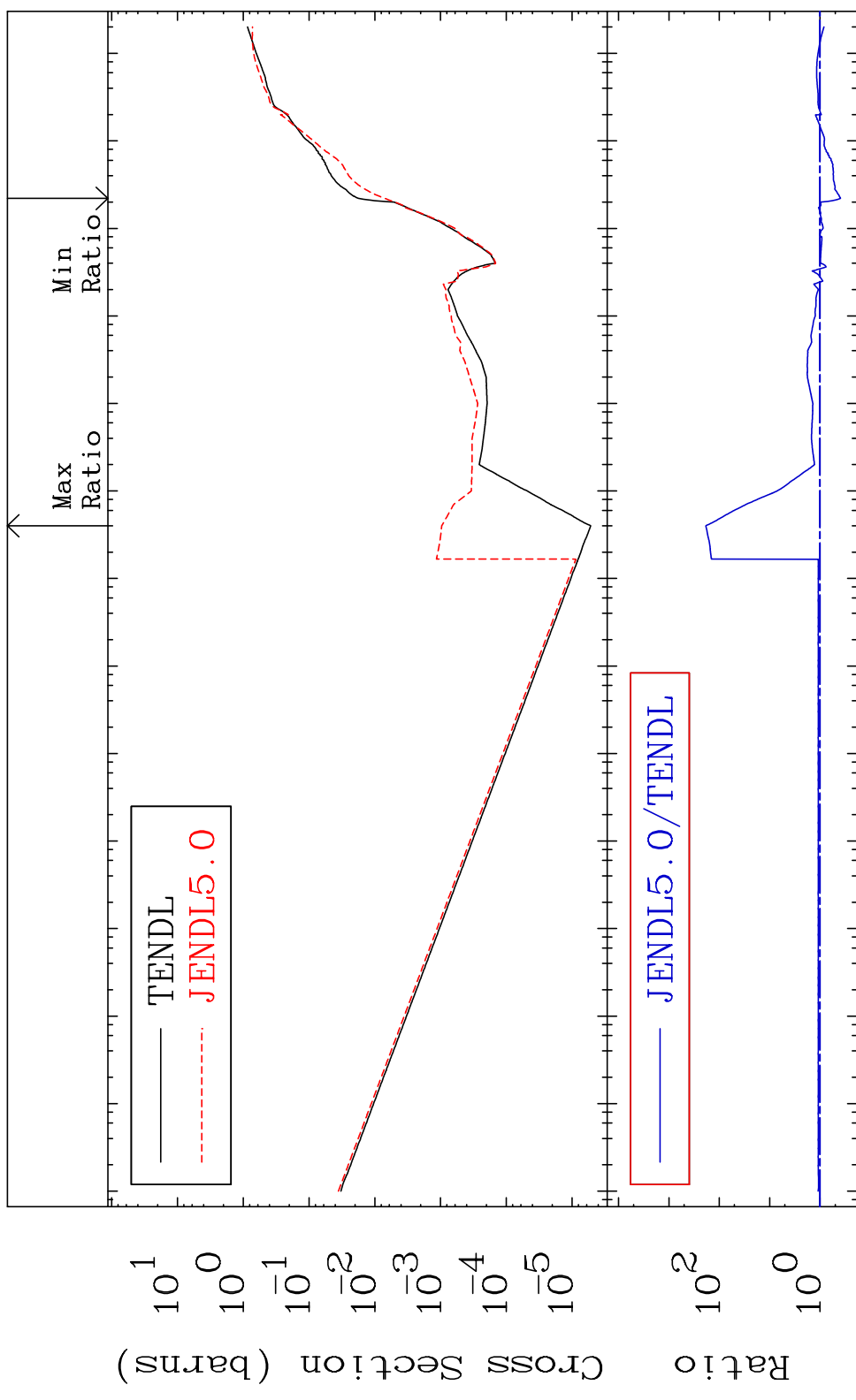


MAT 2325 (n,p)  $\alpha$  23-V -50  
 Cross Section -100.0 To 9999. %



MAT 2325

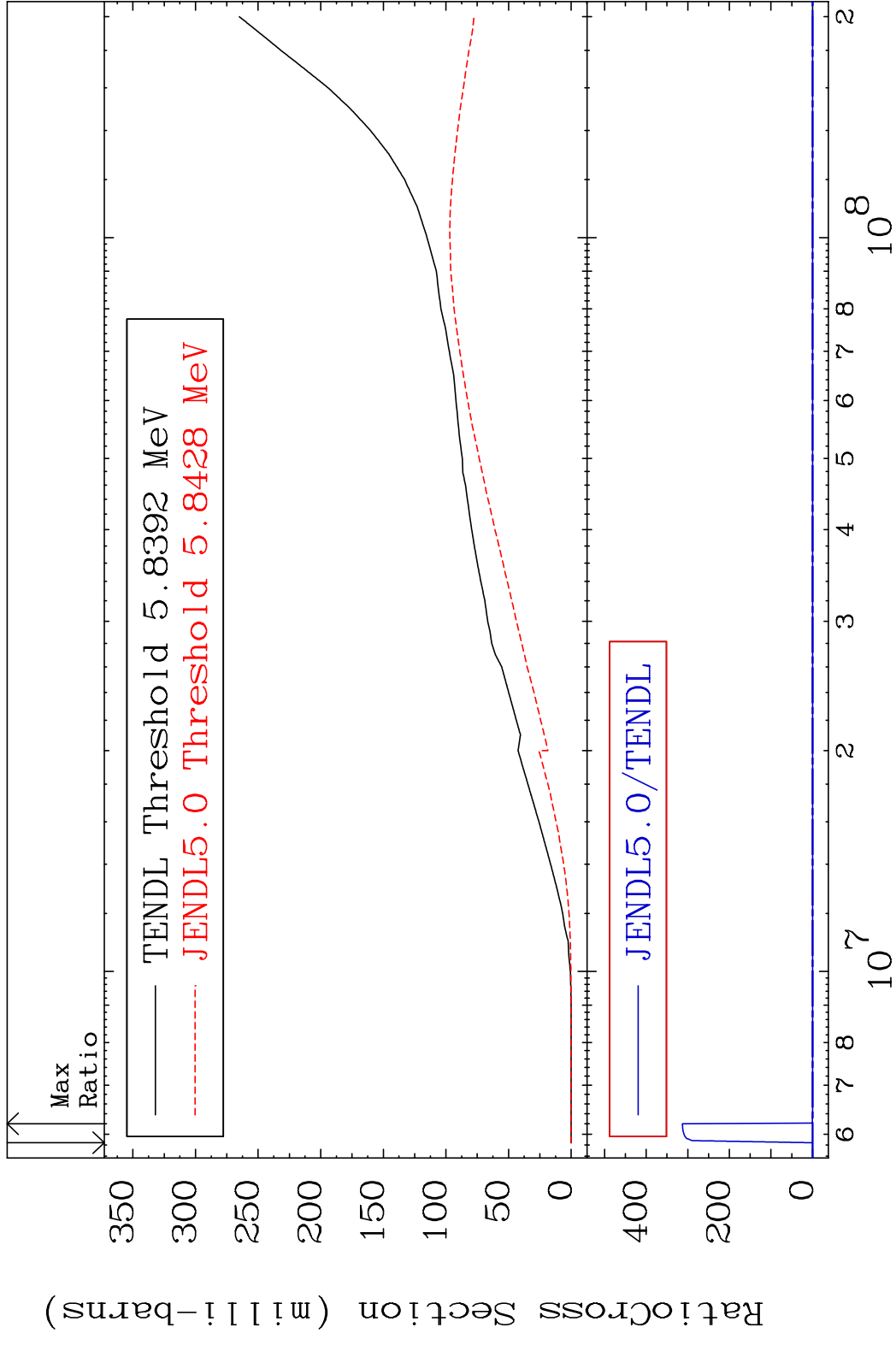
Hydrogen Production Cross Section -60.66 To 9999. % 23-V -50



49

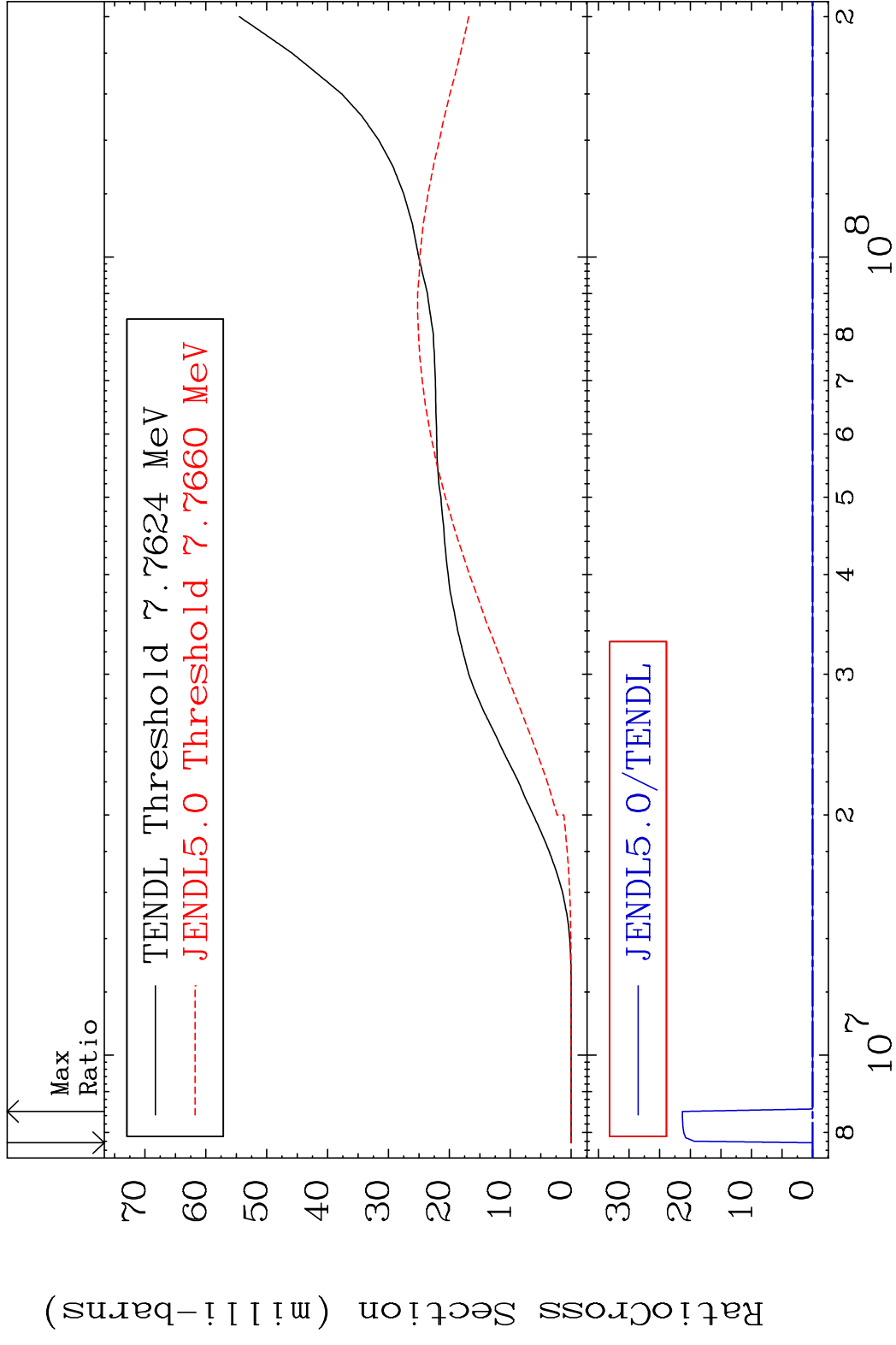
Incident Energy (eV) 23-V -50

MAT 2325 Deuterium Production 23-V -50  
 Cross Section -100.0 To 9999. %

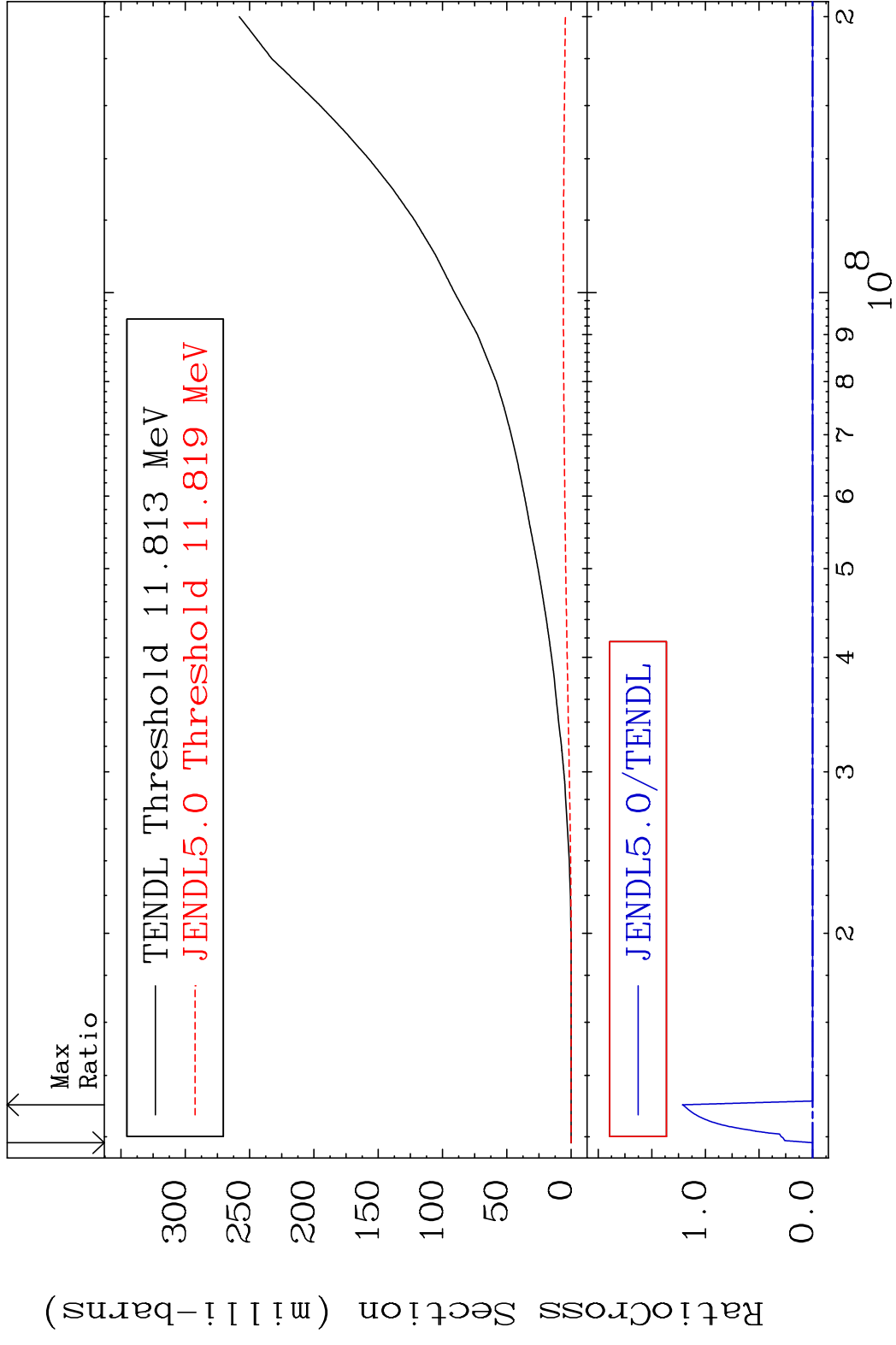


50 23-V -50

MAT 2325 Tritium Production 23-V -50  
 Cross Section -100.0 To 9999. %



MAT 2325 He-3 Production 23-V -50  
 Cross Section -100.0 To 9999. %

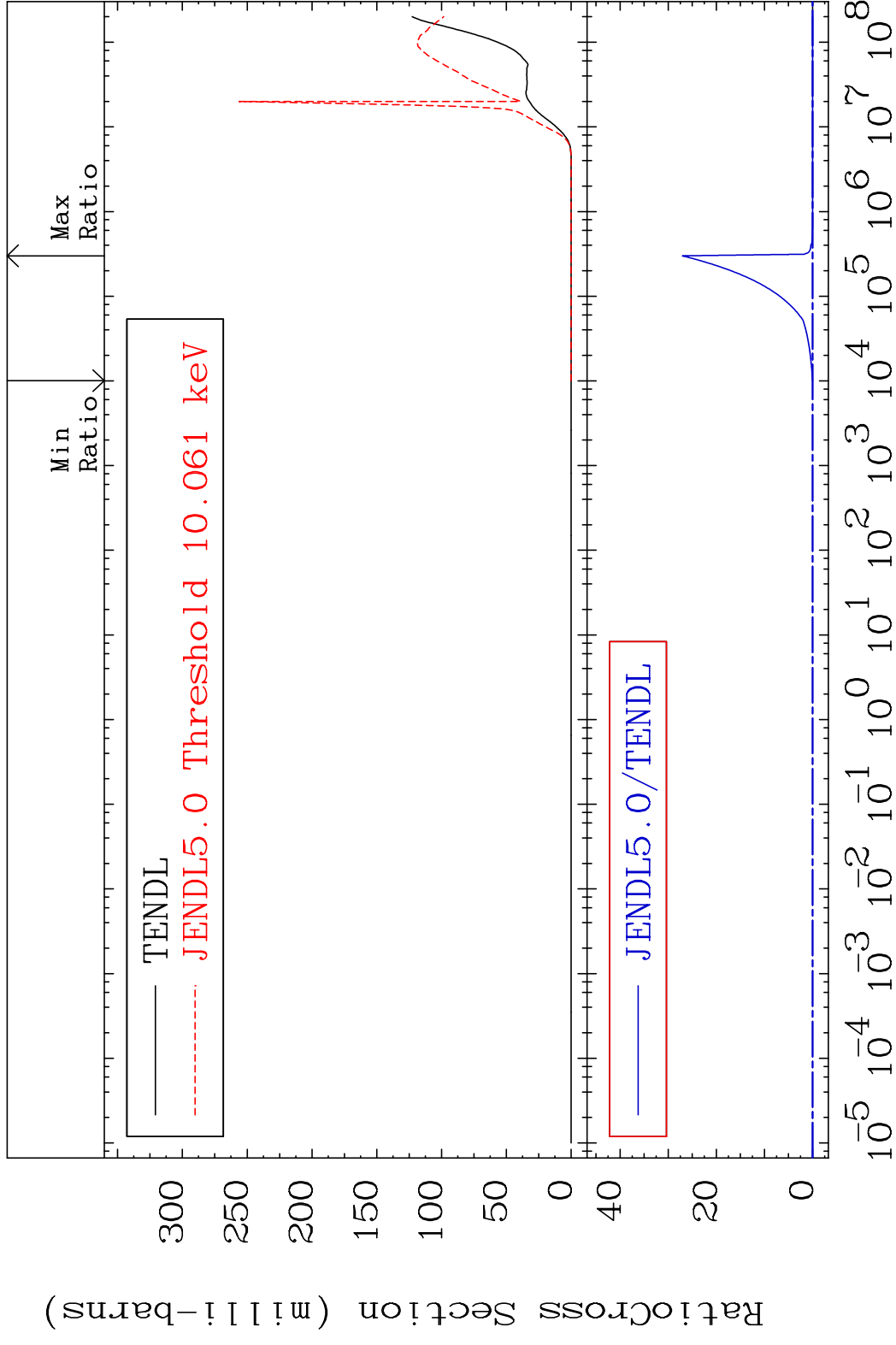


MAT 2325

He-4 Production

23-V -50

Cross Section -100.0 To 9999. %

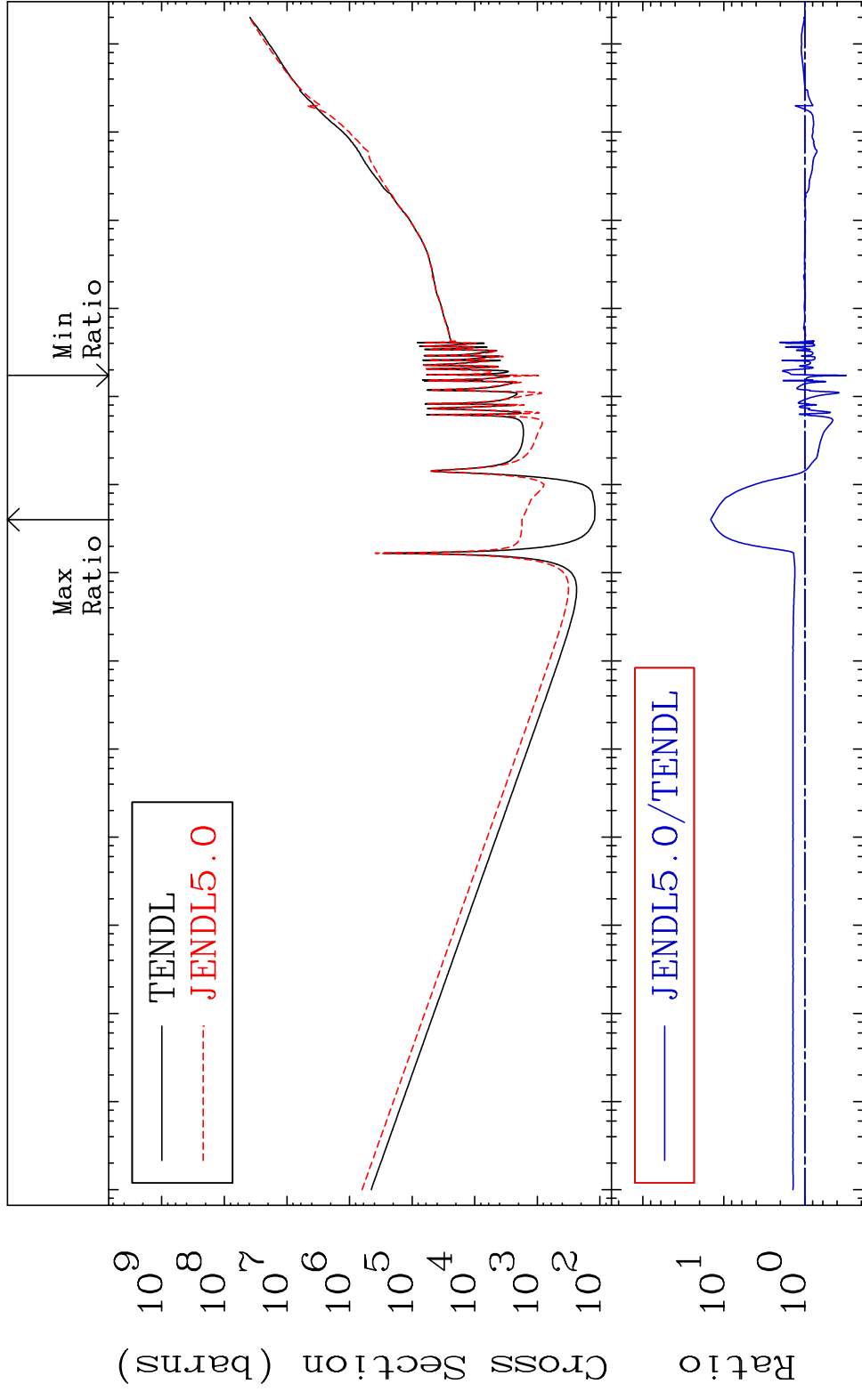


53

Incident Energy (eV)

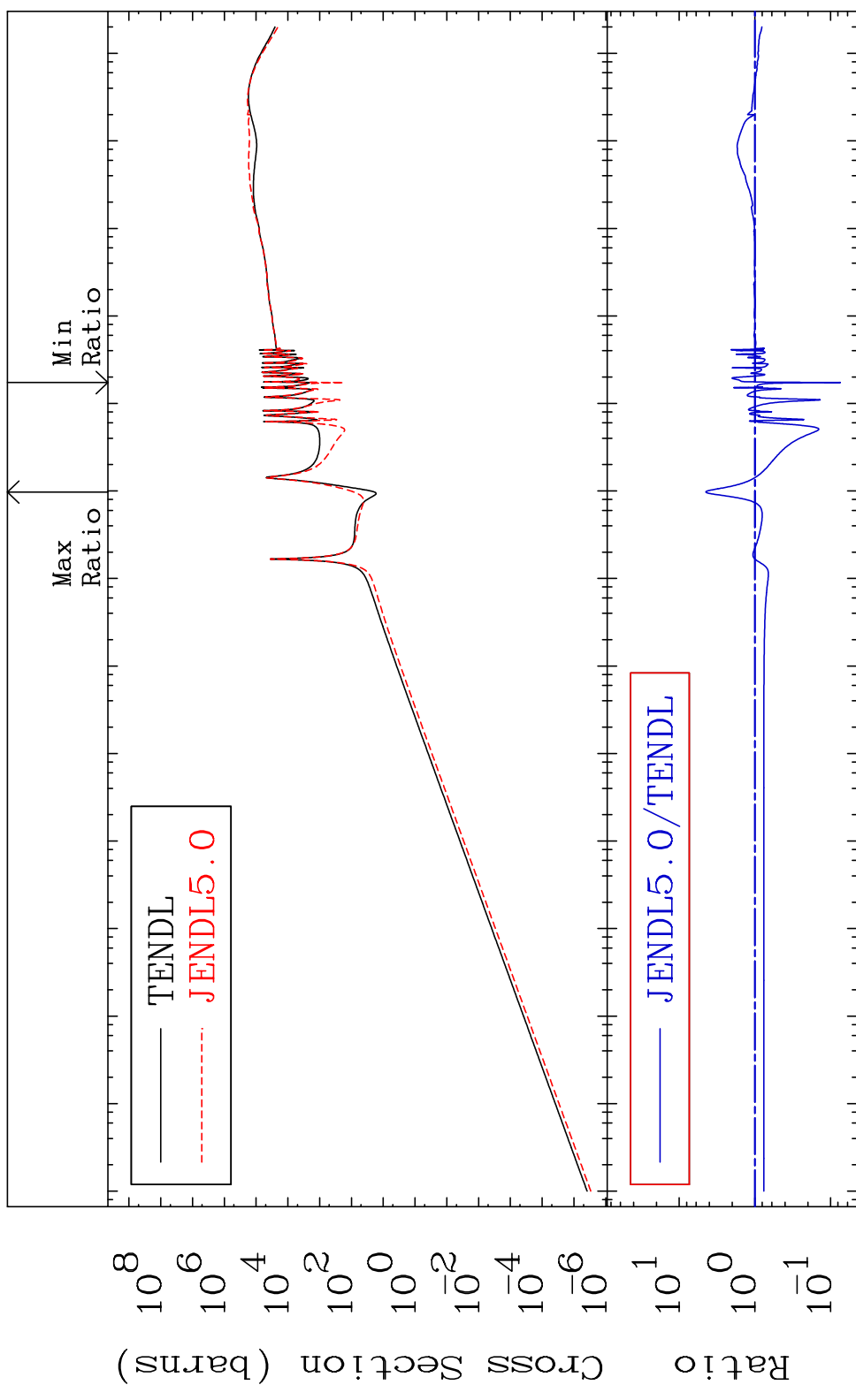
23-V -50

MAT 2325 Kerma total (eV-barns) 23-V -50  
 Cross Section -69.31 To 1353. %



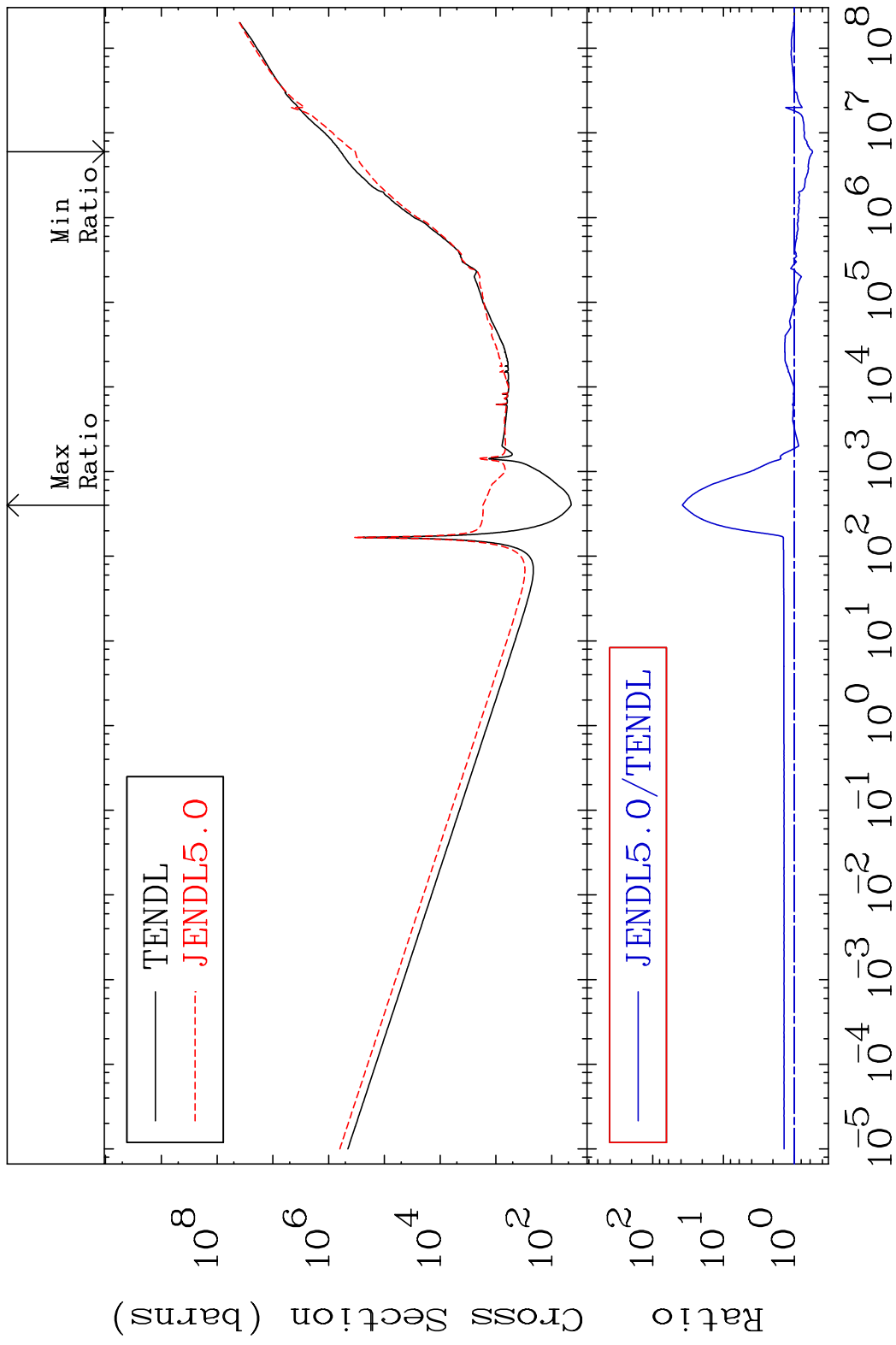
MAT 2325

Kerma elastic Cross Section -92.57 To 346.4 %  
23-V -50

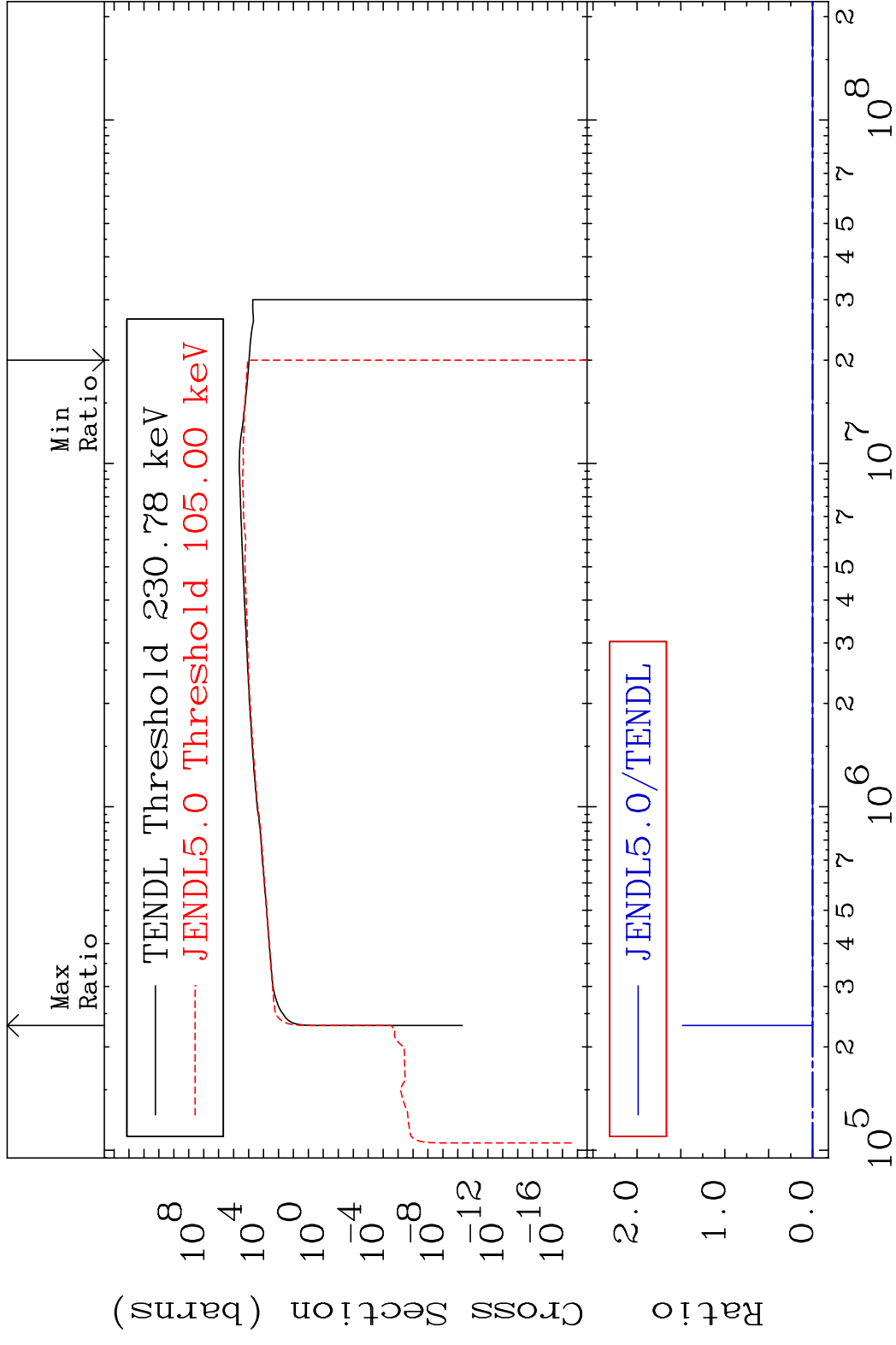




MAT 2325 Kerma non-elastic (all but mt2) 23-V -50  
 Cross Section -44.78 To 3721. %

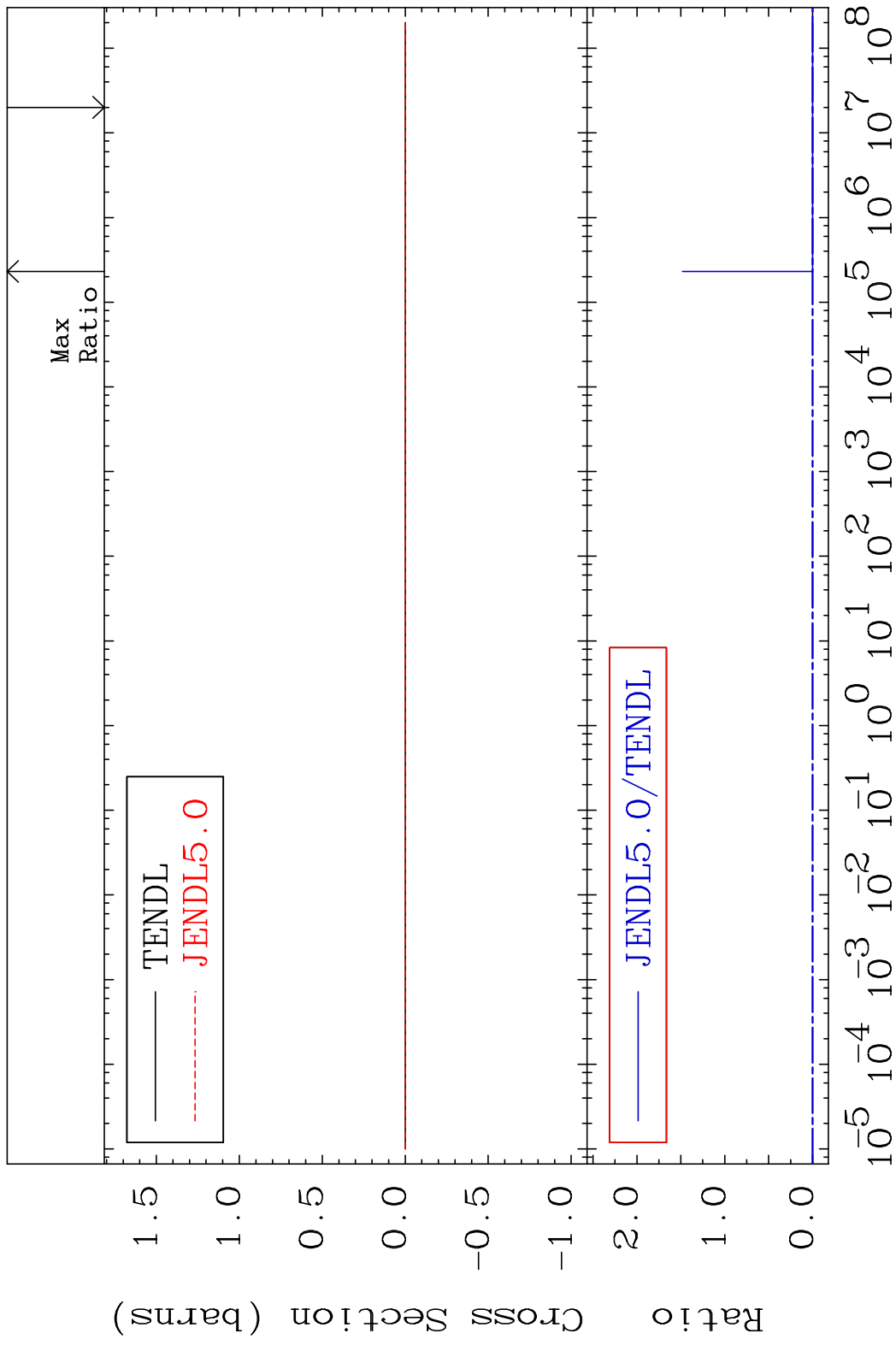


MAT 2325 Kerma inelastic (mt51-91) 23-V -50  
 Cross Section -100.0 To 9999. %

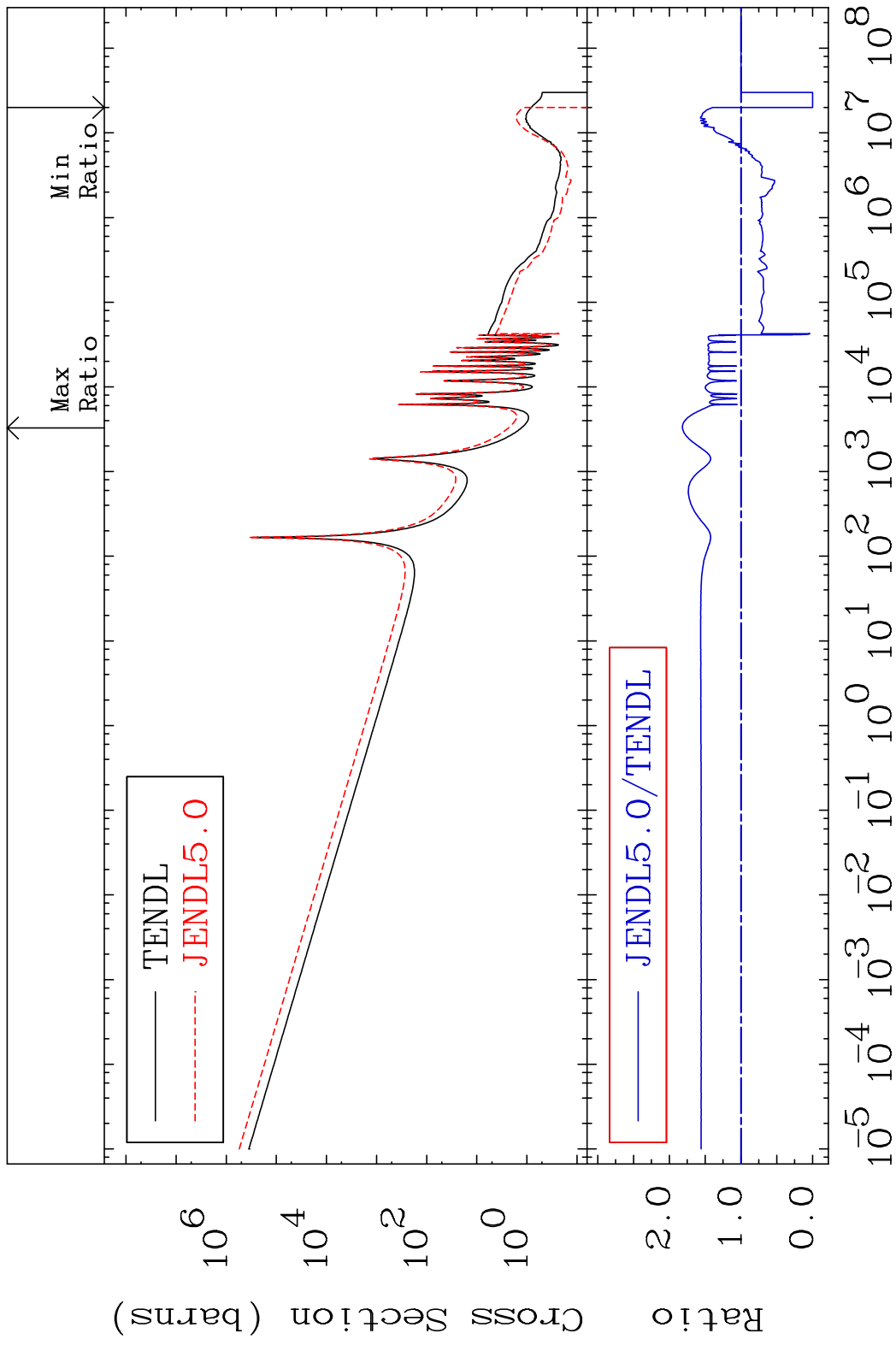


57 Incident Energy (eV) 23-V -50

MAT 2325 Kerma fission (mt18 or mt19-20-21-38) 23-V -50  
 Cross Section -100.0 To 9999. %

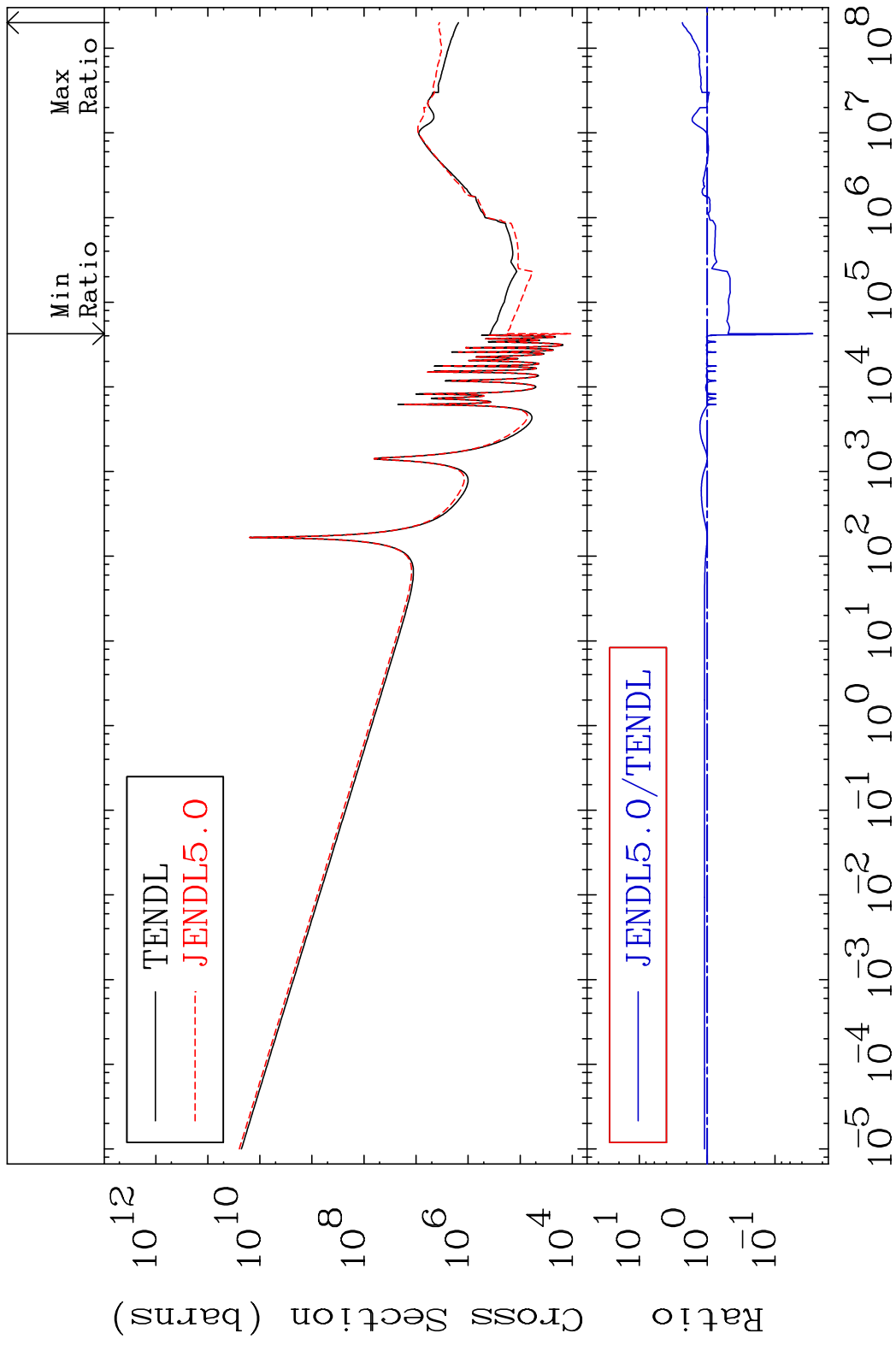


MAT 2325 Kerma capture (mt102) 23-V -50  
 Cross Section -100.0 To 81.85 %



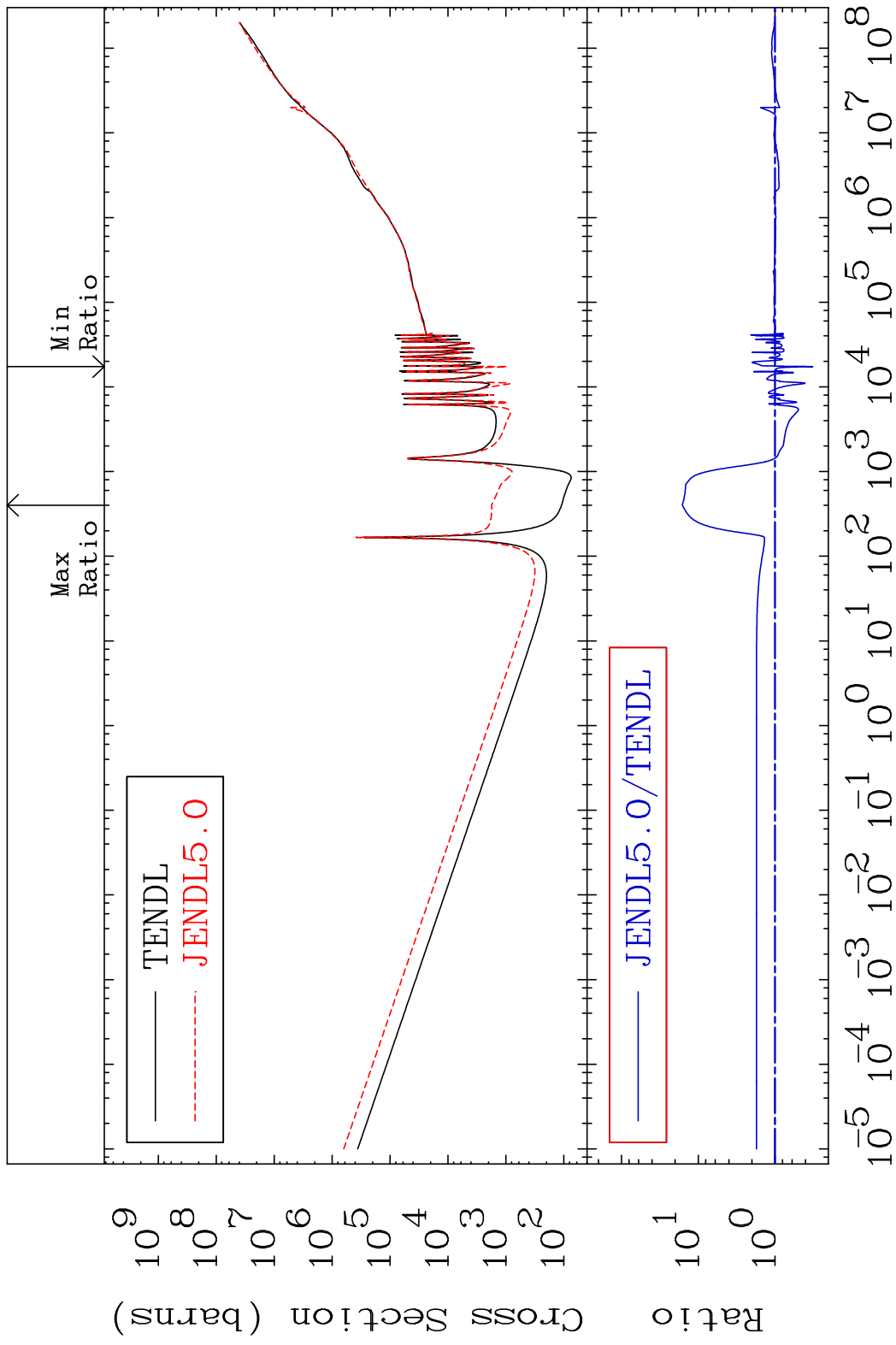
59 Incident Energy (eV) 23-V -50

MAT 2325 Total photon (eV-barns) 23-V -50  
 Cross Section -97.21 To 132.4 %

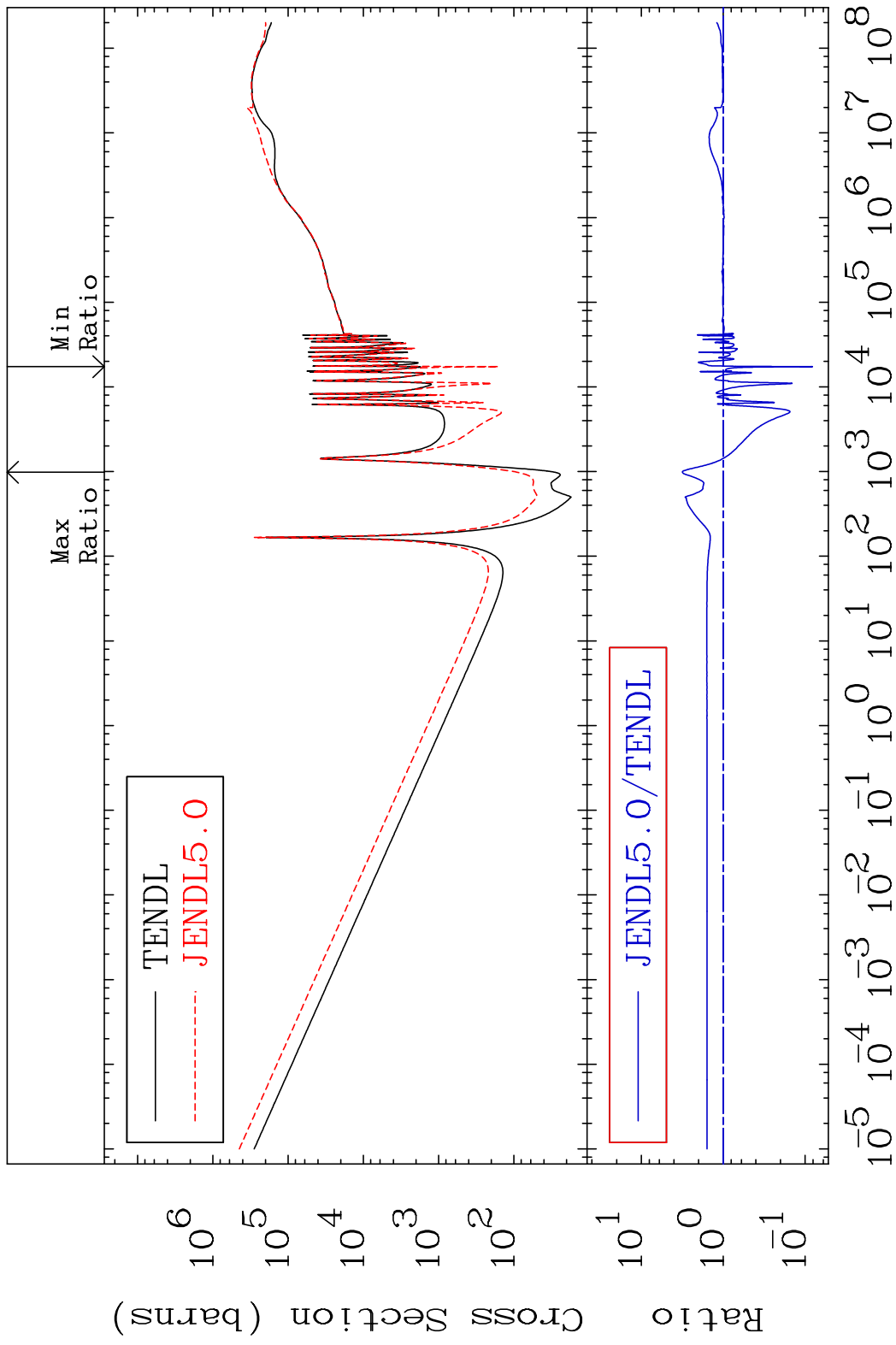


60 Incident Energy (eV) 23-V -50

MAT 2325 Total kinematic kerma (high limit) 23-V -50  
 Cross Section -67.55 To 1514. %



MAT 2325      Dpa total (eV-barns)      23-V -50  
 Cross Section      -91.87 To 215.3 %



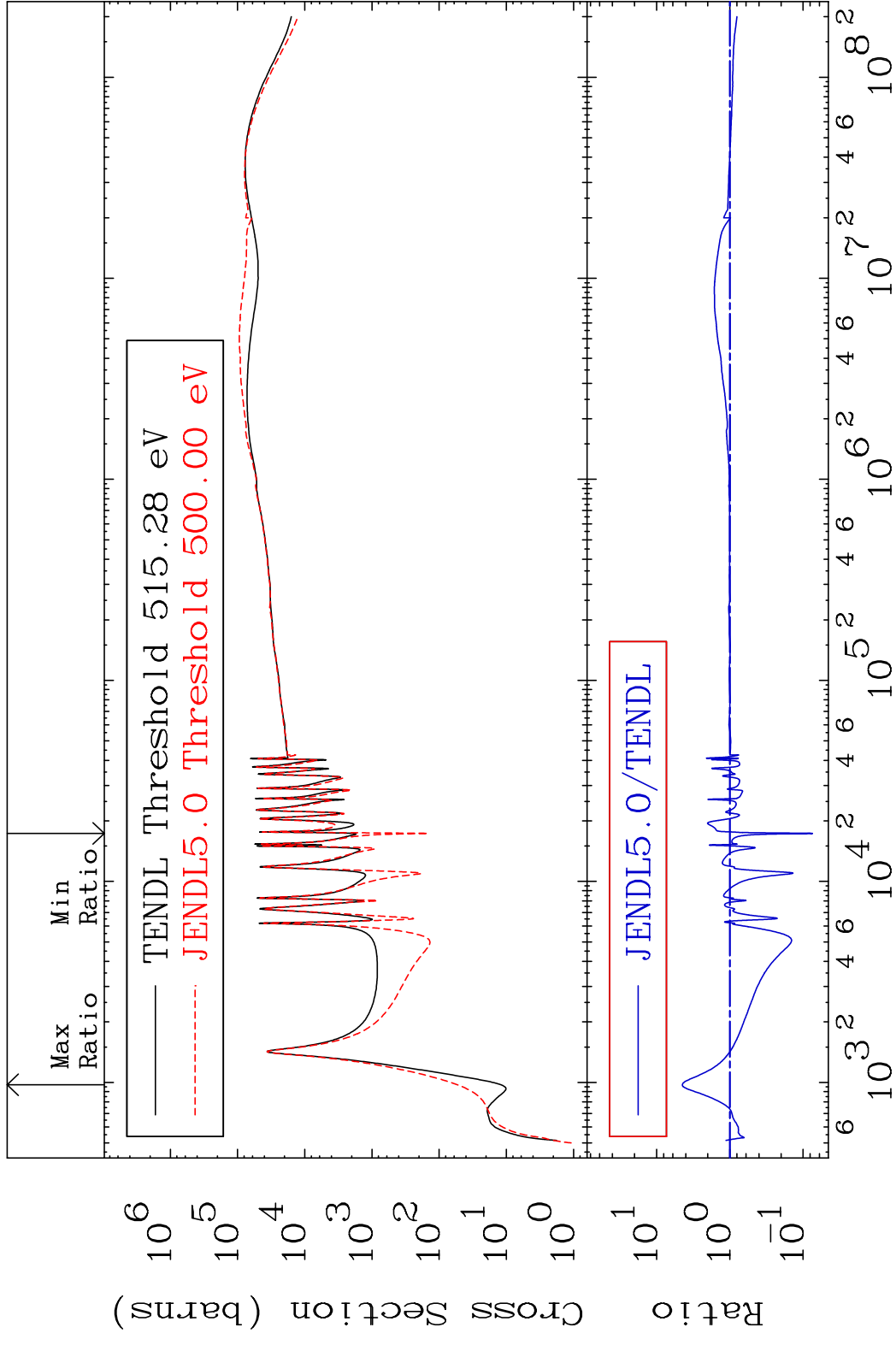
62      Incident Energy (eV)      23-V -50

MAT 2325

Dpa elastic (mt2)

23-V -50

Cross Section -92.57 To 344.5 %



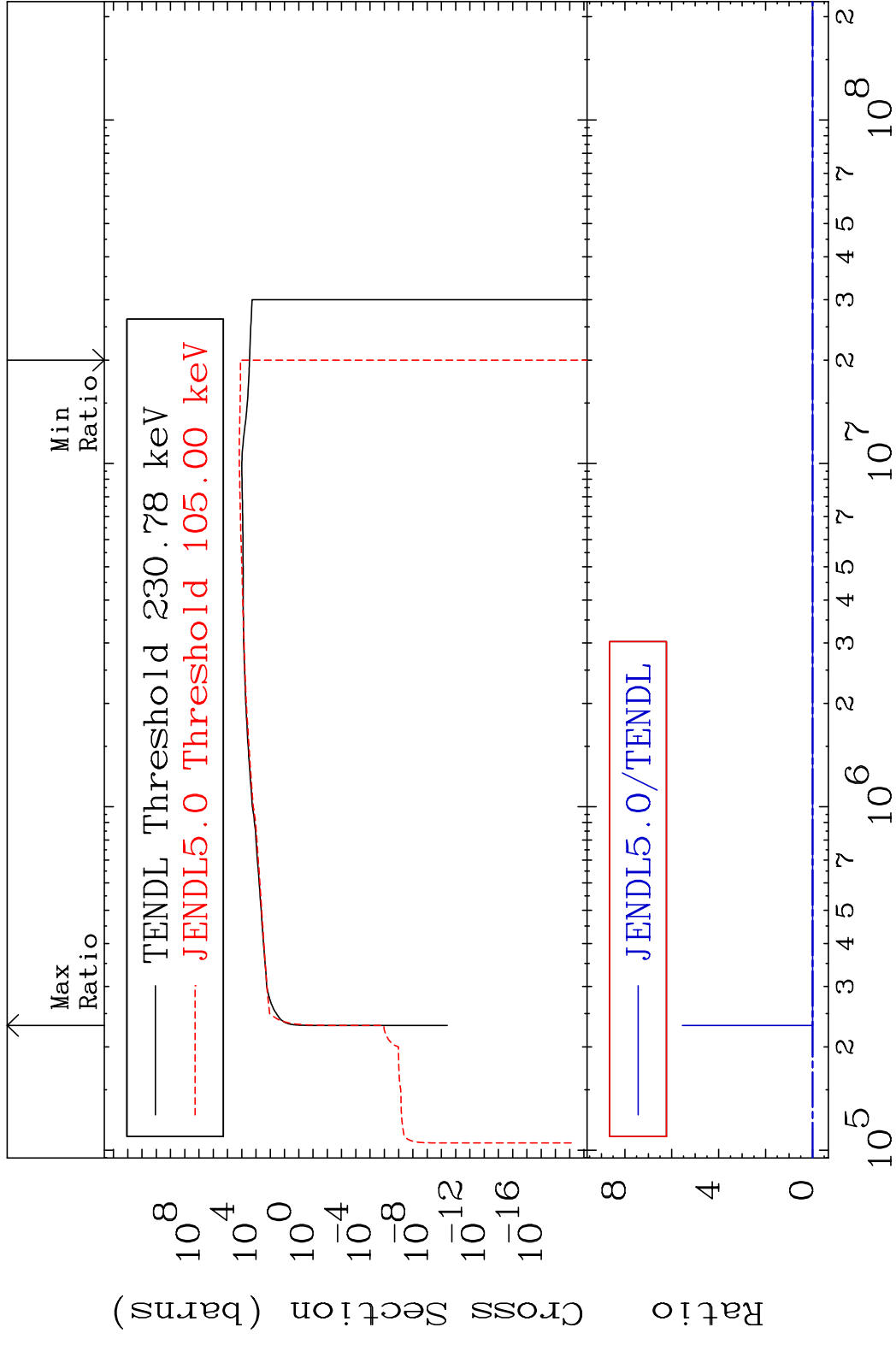
63

Incident Energy (eV)

23-V -50

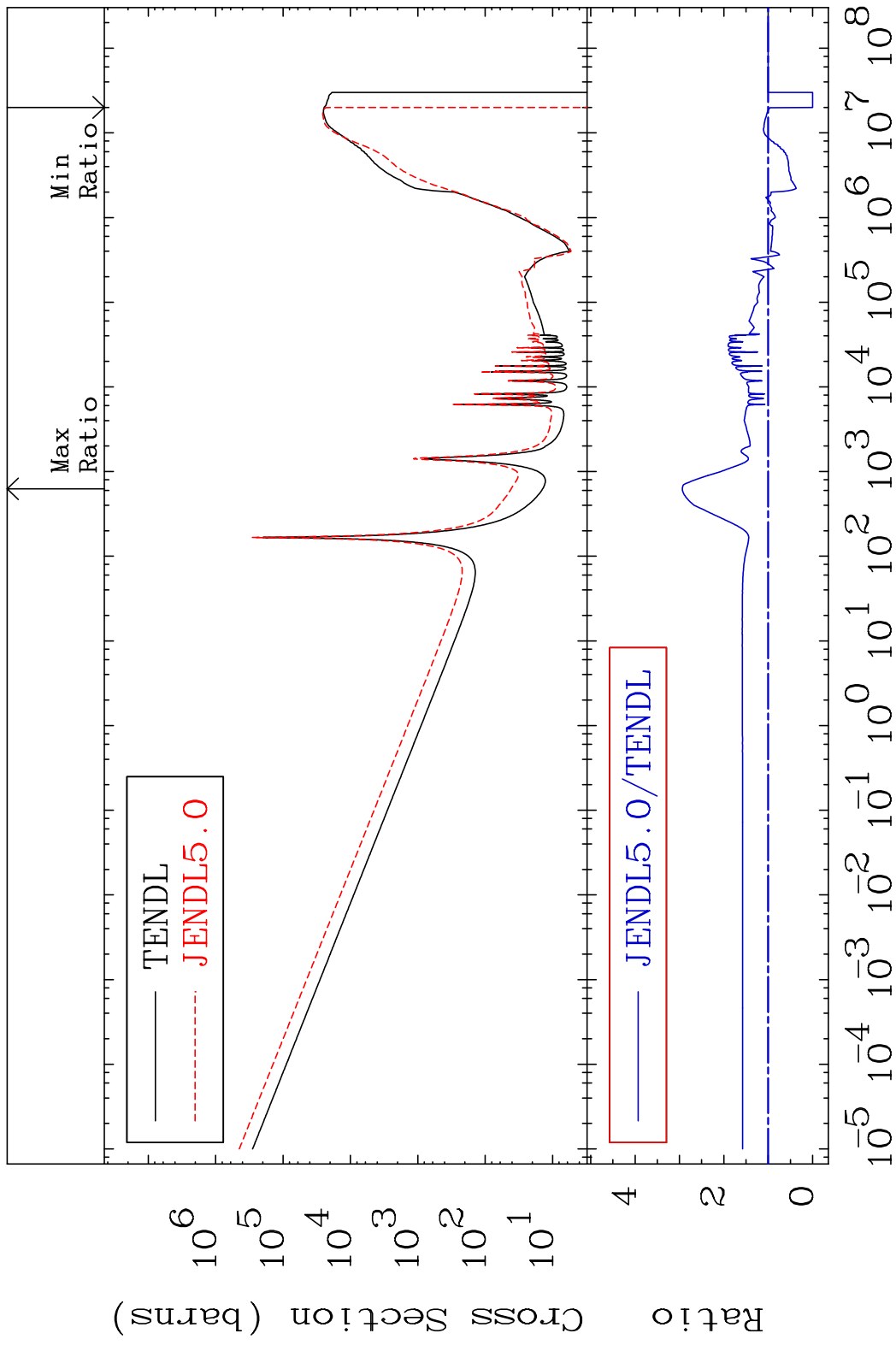


MAT 2325 Dpa inelastic (mt51-91) 23-V -50  
 Cross Section -100.0 To 9999. %



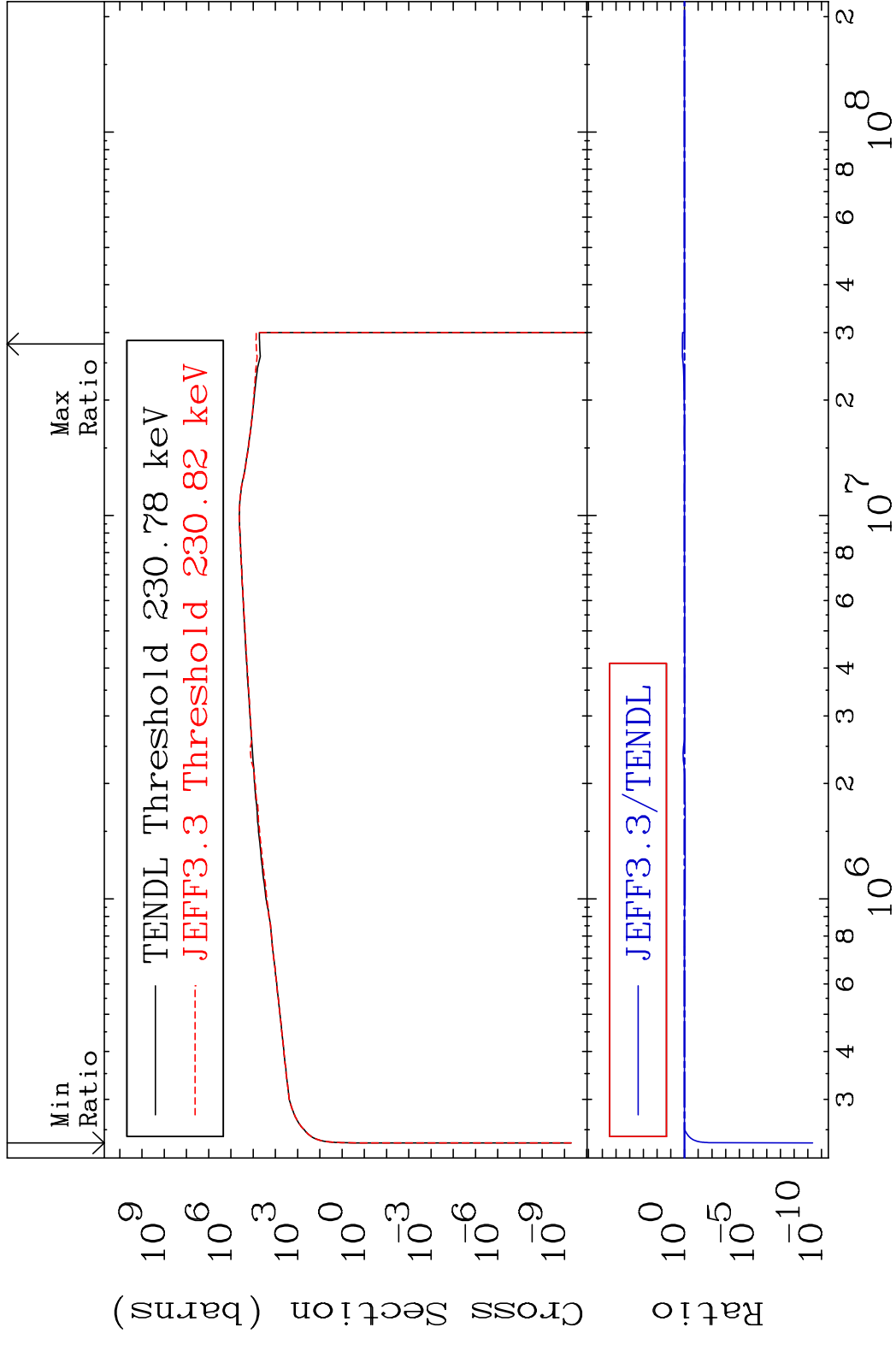
64 Incident Energy (eV) 23-V -50

MAT 2325 Dpa disappearance (mt102 -120) 23-V -50  
 Cross Section -100.0 To 193.5 %

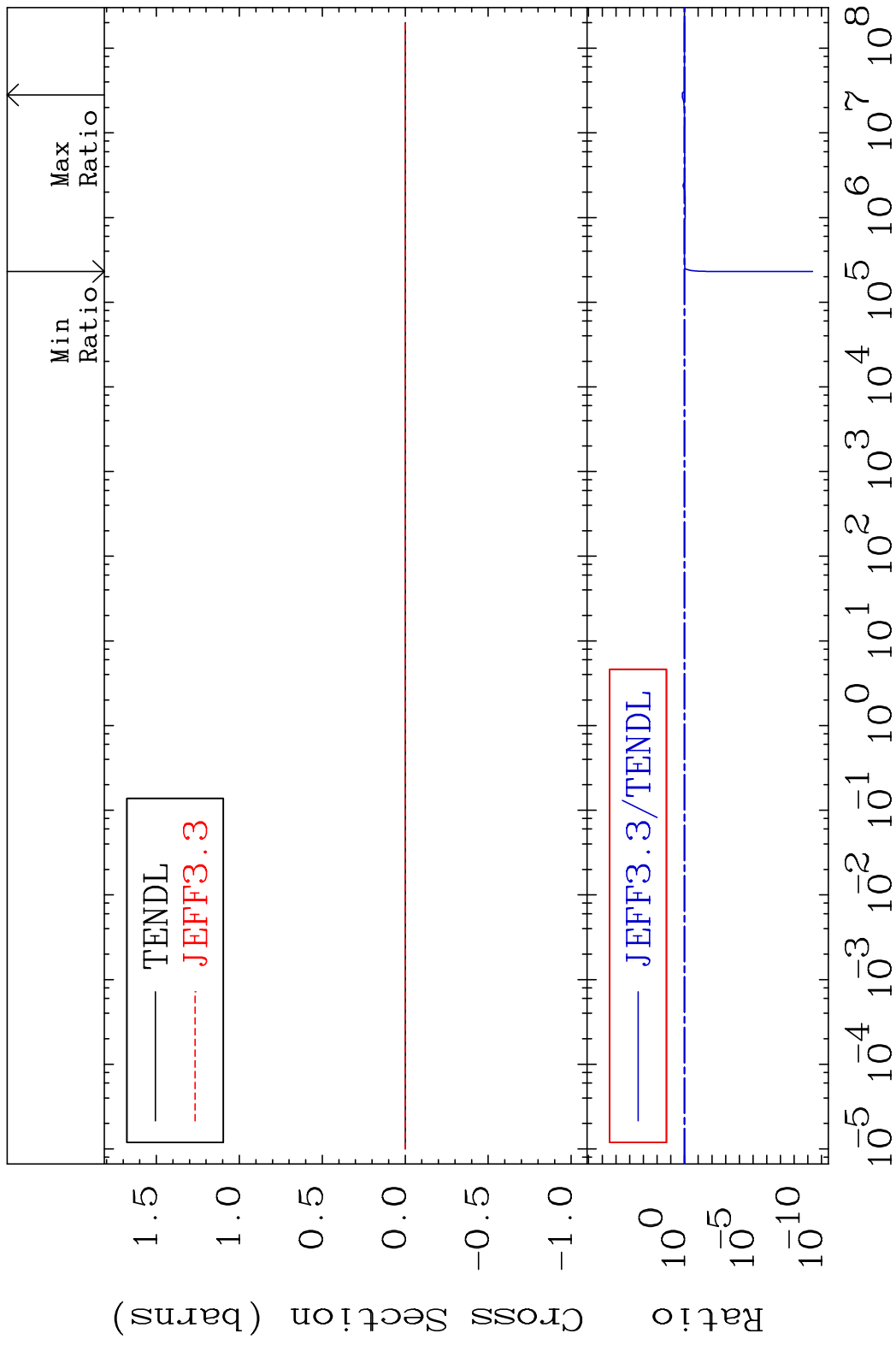


65 Incident Energy (eV) 23-V -50

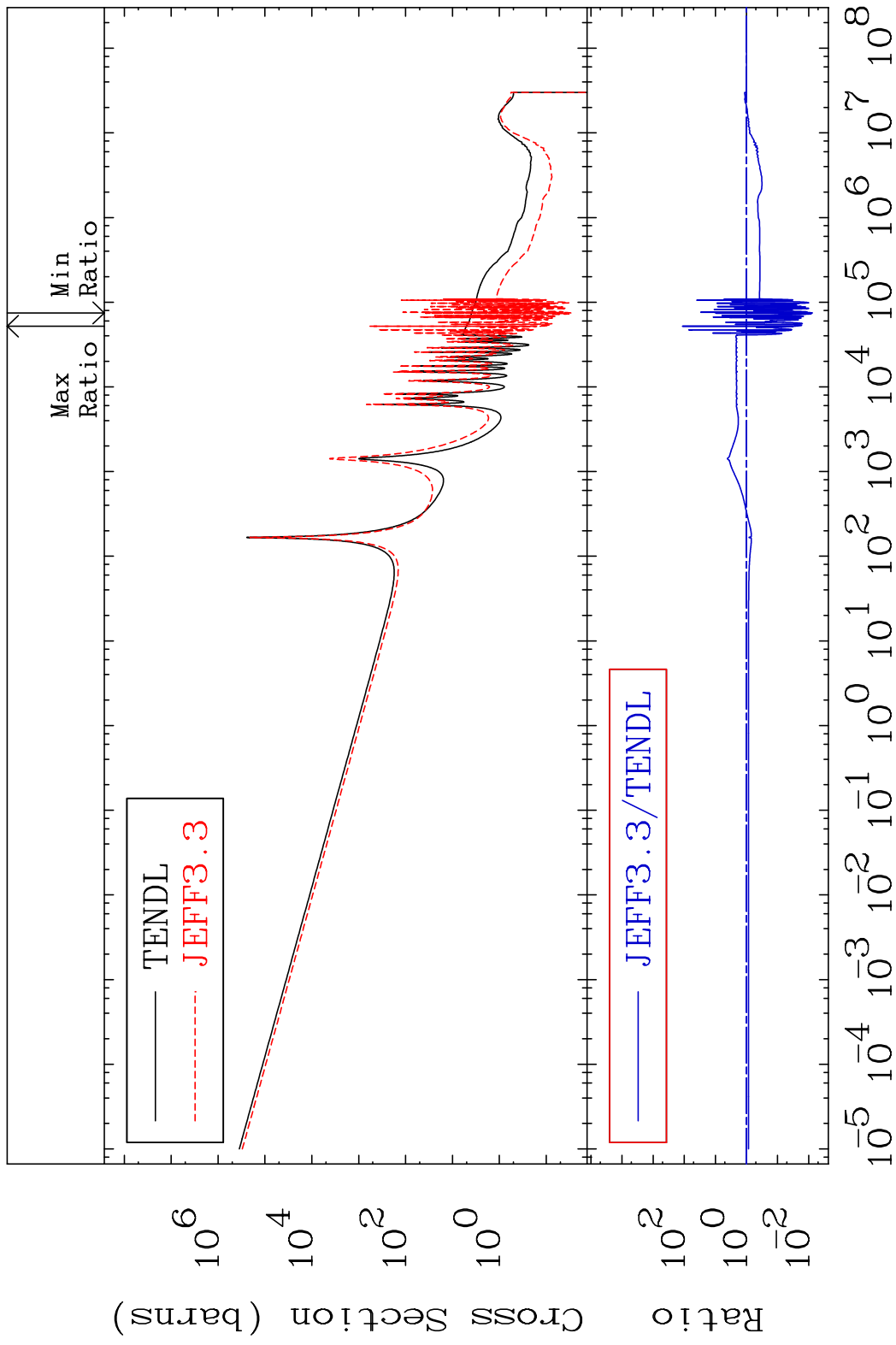
MAT 2325 Kerma inelastic (mt51-91) 23-V -50  
 Cross Section -100.0 To 43.57 %



MAT 2325 Kerma fission (mt18 or mt19-20-21-38) 23-V -50  
 Cross Section -100.0 To 43.57 %

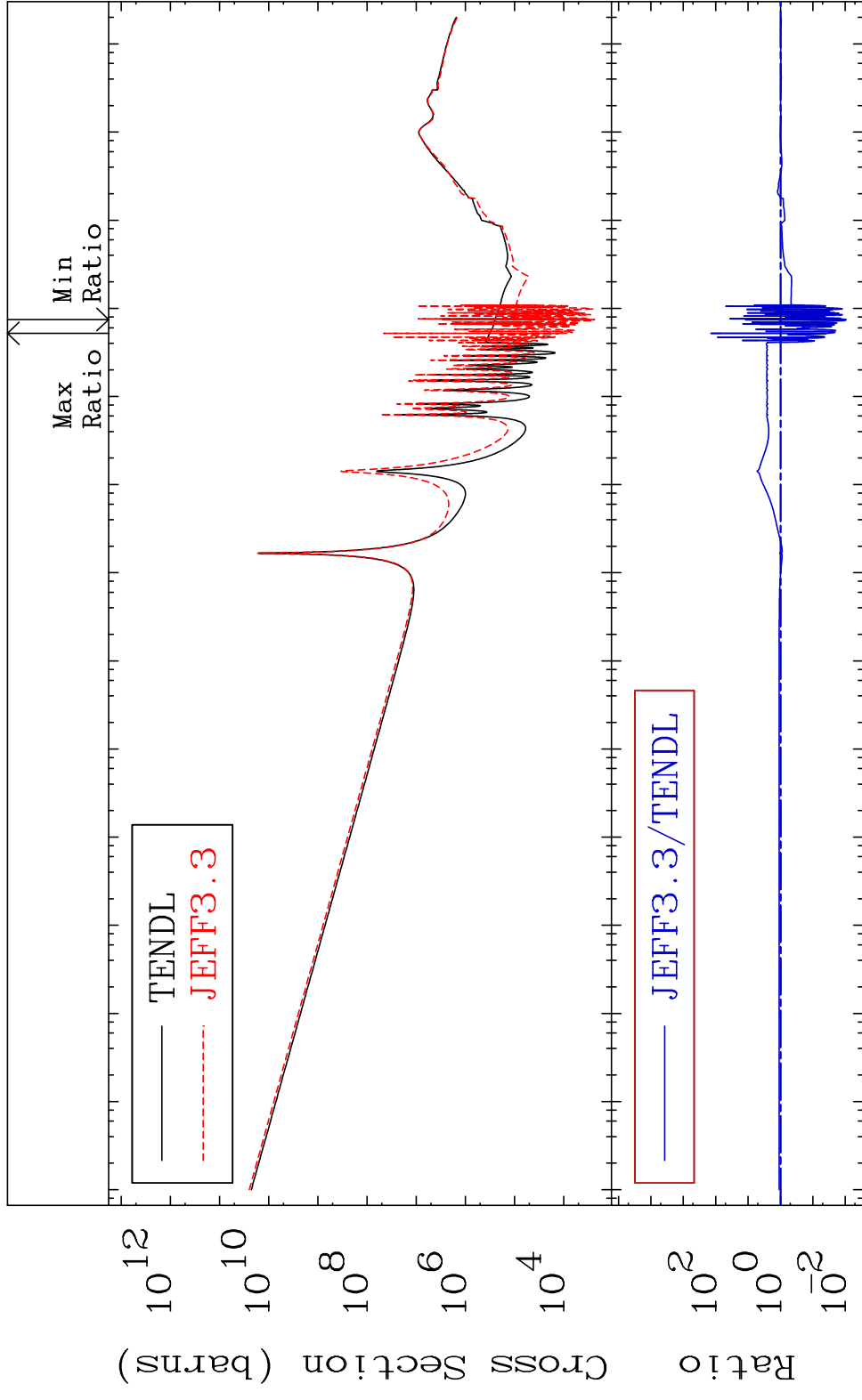


MAT 2325 Kerma capture (mt102) 23-V -50  
 Cross Section -99.25 To 9999. %



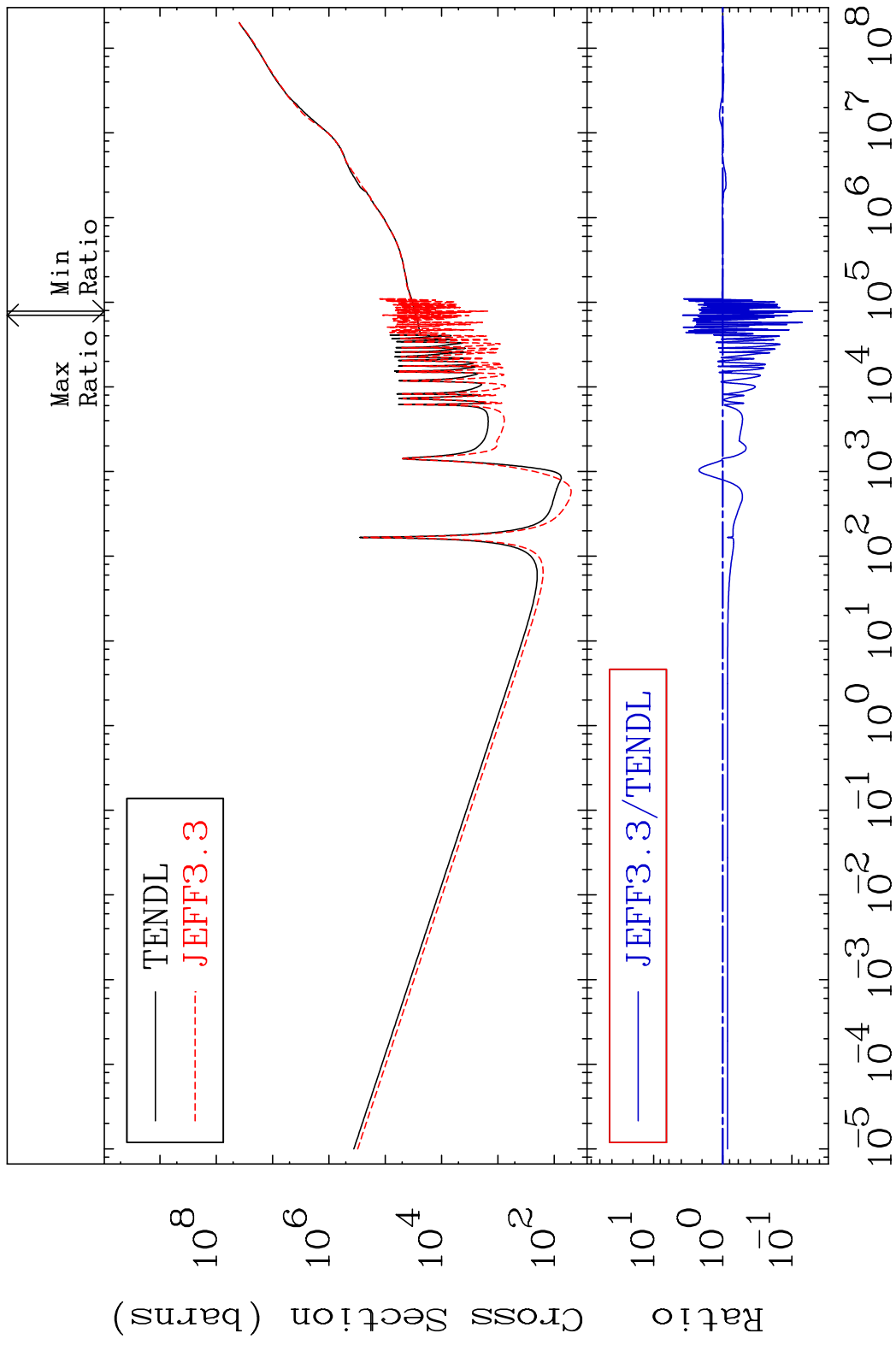
68 Incident Energy (eV) 23-V -50

MAT 2325 Total photon (eV-barns) 23-V -50  
 Cross Section -99.07 To 9999. %



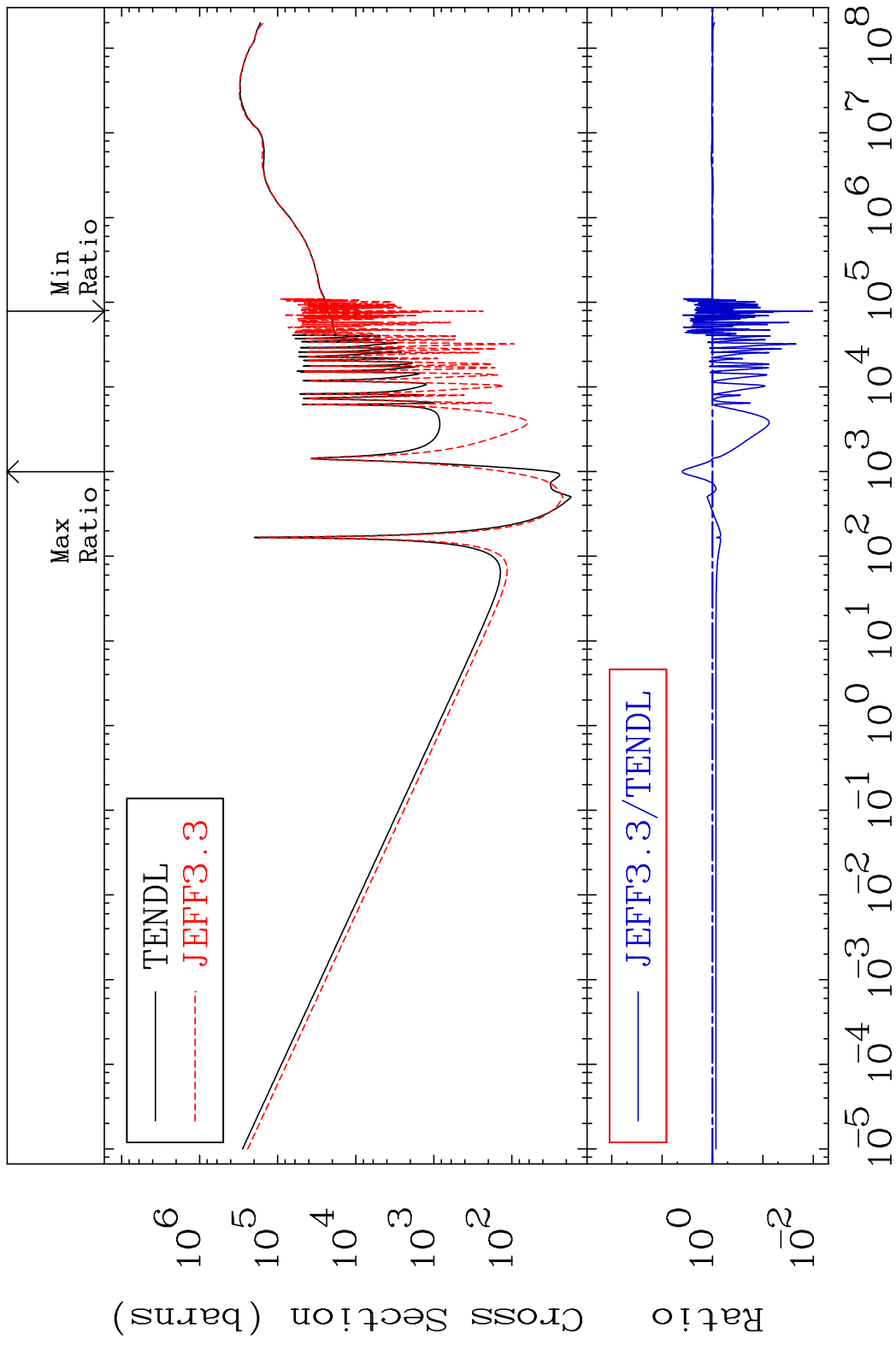
69 Incident Energy (eV) 23-V -50

MAT 2325 Total kinematic kerma (high limit) 23-V -50  
 Cross Section -94.96 To 284.6 %



70 Incident Energy (eV) 23-V -50

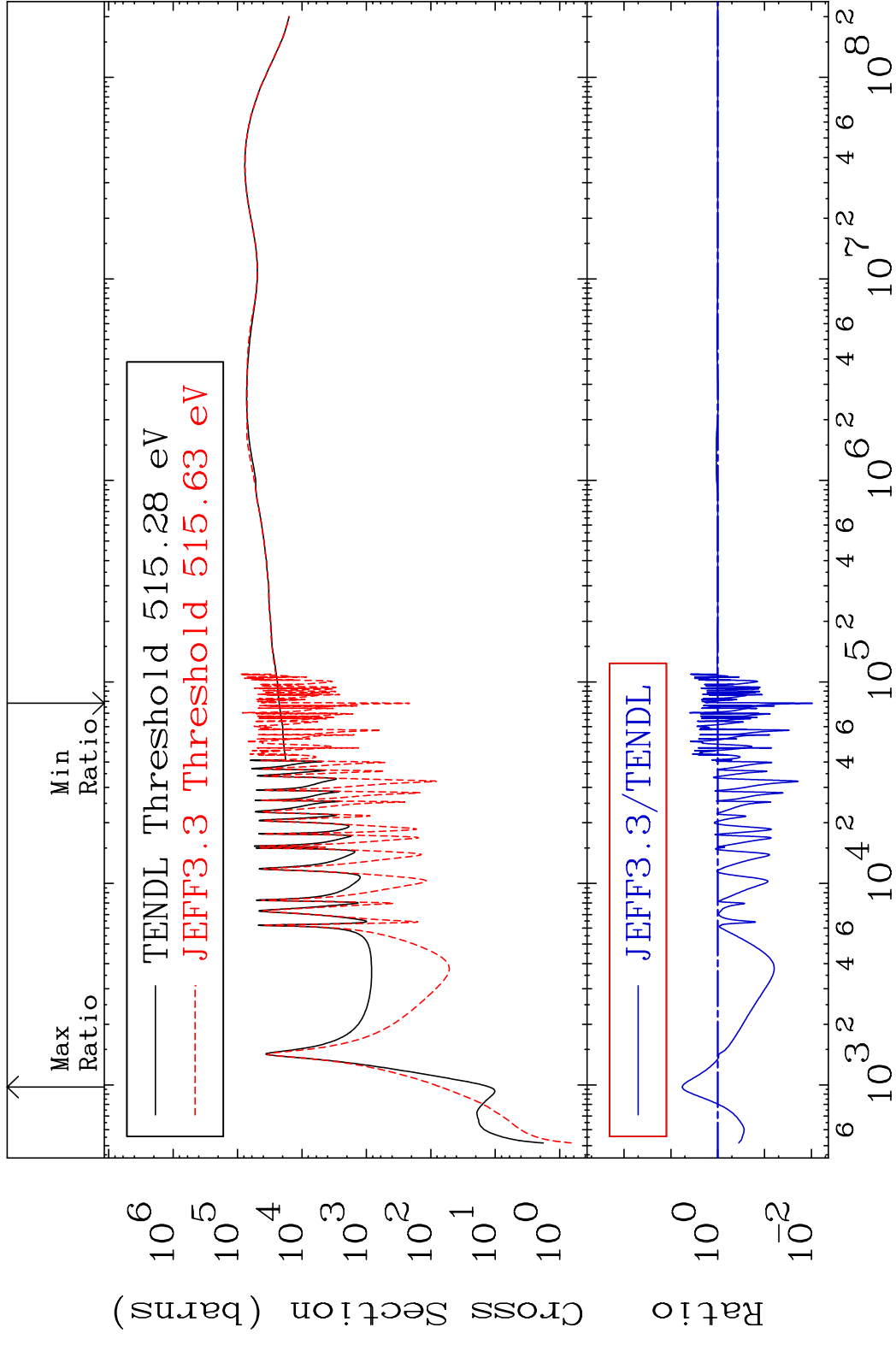
MAT 2325      Dpa total (eV-barns)      23-V -50  
 Cross Section      -98.97 To 296.8 %



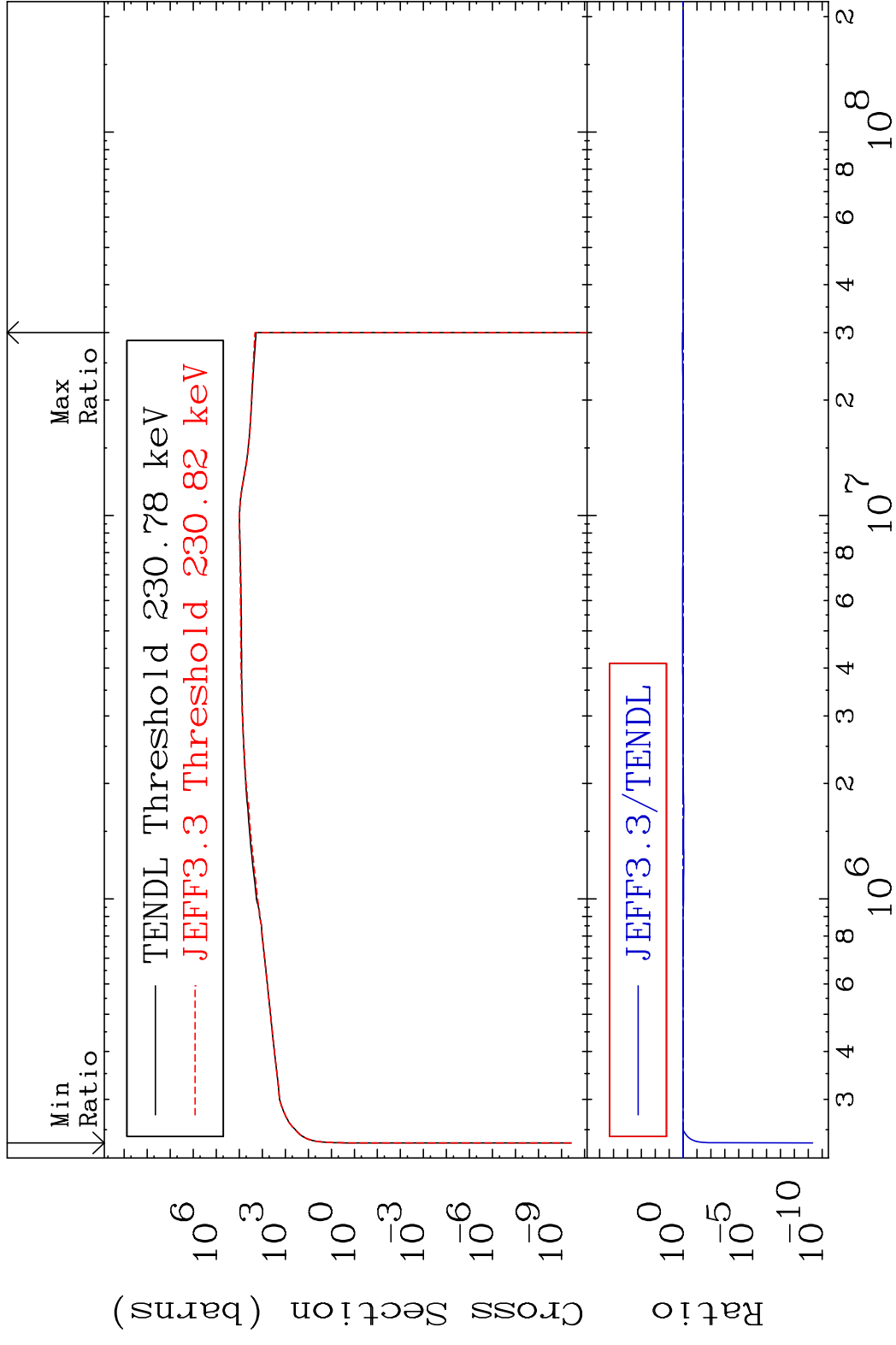
71      Incident Energy (eV)      23-V -50



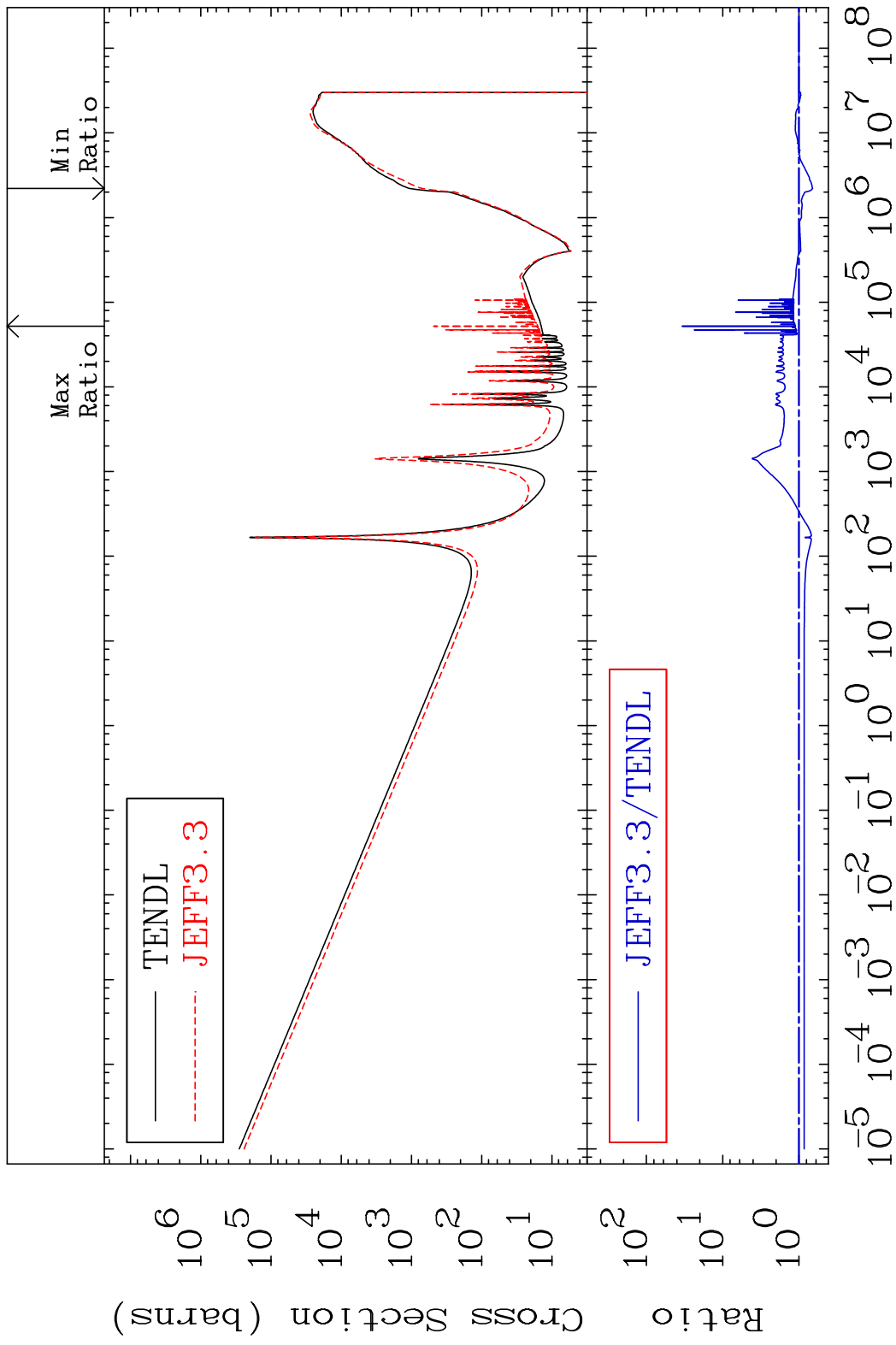
MAT 2325 Dpa elastic (mt2) 23-V -50  
 Cross Section -99.06 To 469.0 %



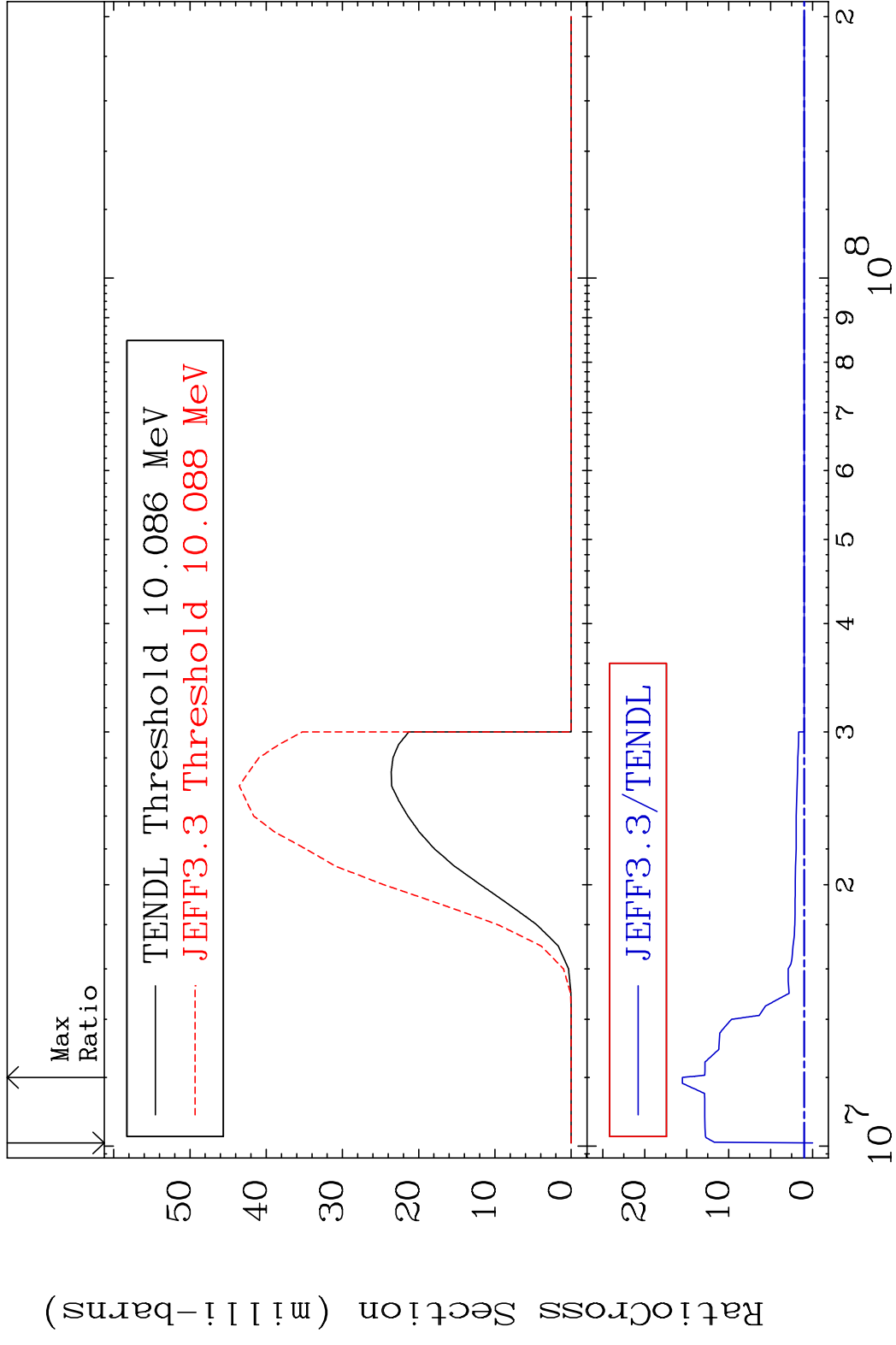
MAT 2325 Dpa inelastic (mt51-91) 23-V -50  
 Cross Section -100.0 To 11.32 %



MAT 2325 Dpa disappearance (mt102 -120) 23-V -50  
 Cross Section -33.57 To 3284. %

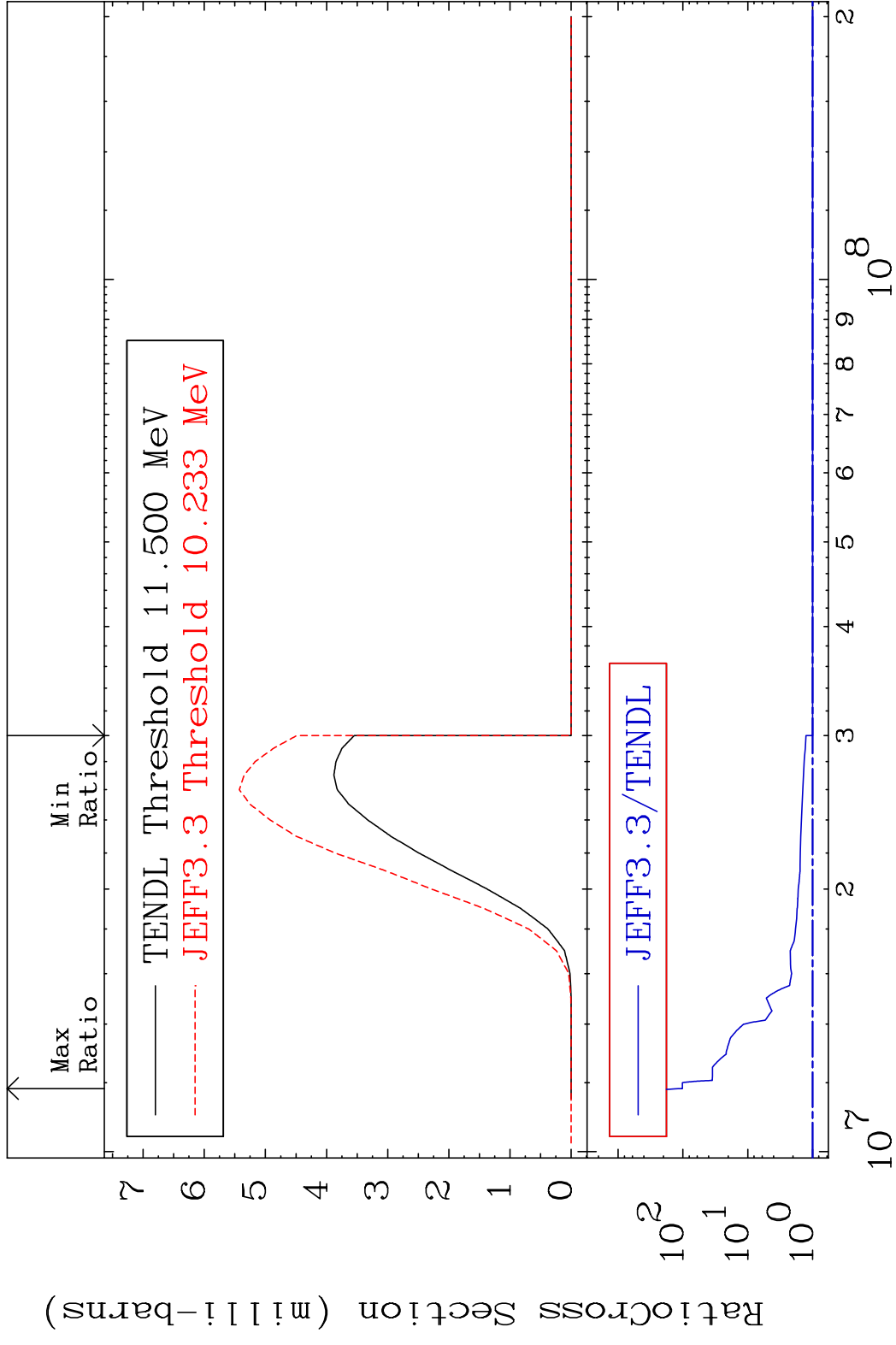


MAT 2325 (n, n')  $\alpha$ :21-Sc-46g 23-V -50  
 Radionuclide Production Cross Section 1800 d to 1452. %



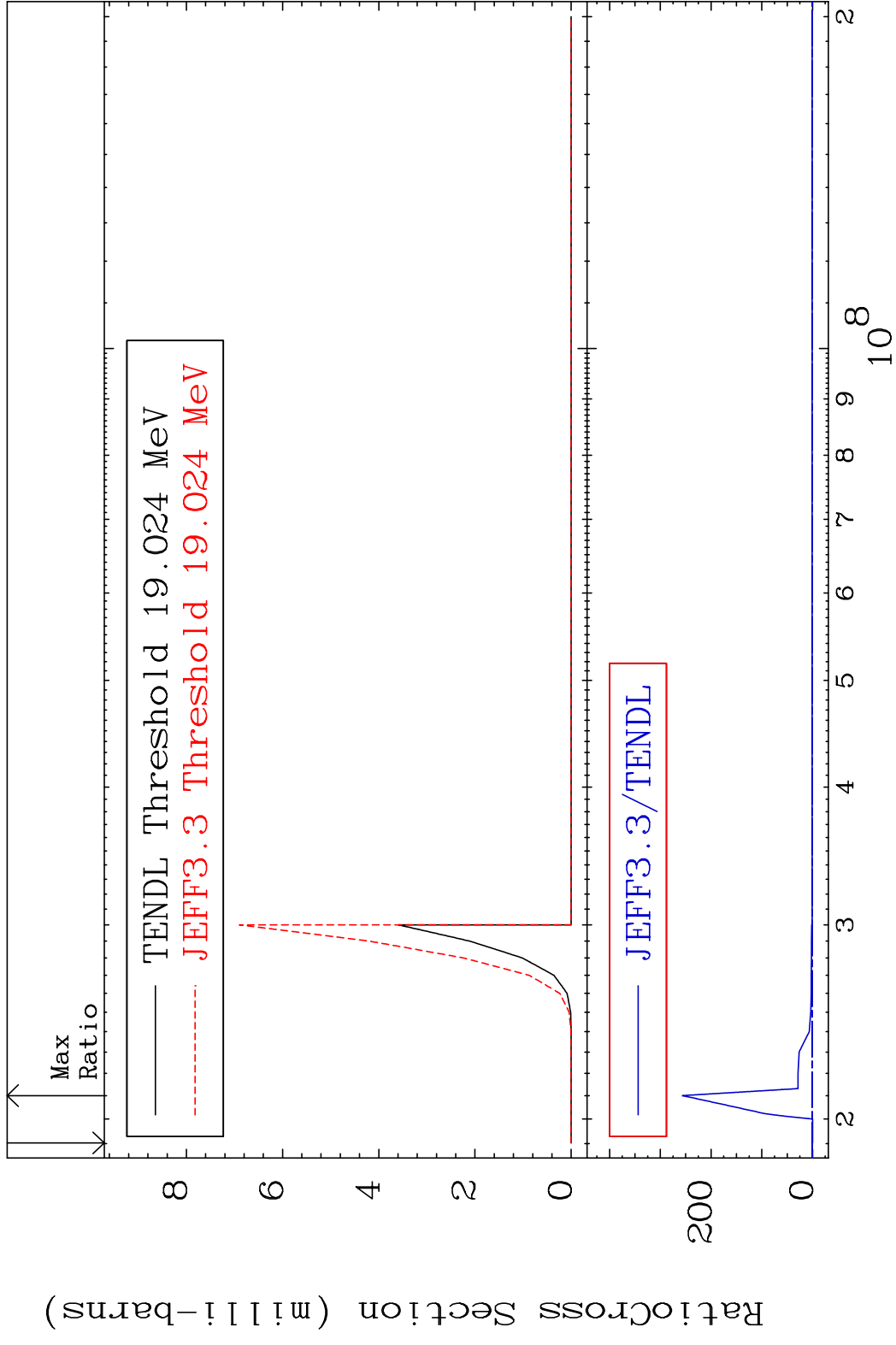
75 Incident Energy (eV) 23-V -50

MAT 2325 (n, n')  $\alpha$ :21-Sc-46m2 23-V -50  
 Radionuclide Production Cross Section 9999. %



76 Incident Energy (eV) 23-V -50

MAT 2325 (n,2n)  $\alpha$ :21-Sc-45g 23-V -50  
 Radionuclide Production Cross Section 180c01 d10 9999. %



MAT 2325 (n,2n)  $\alpha$ :21-Sc-45m1 23-V -50  
 Radionuclide Production Cross Section Ratio 9999. %

