

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

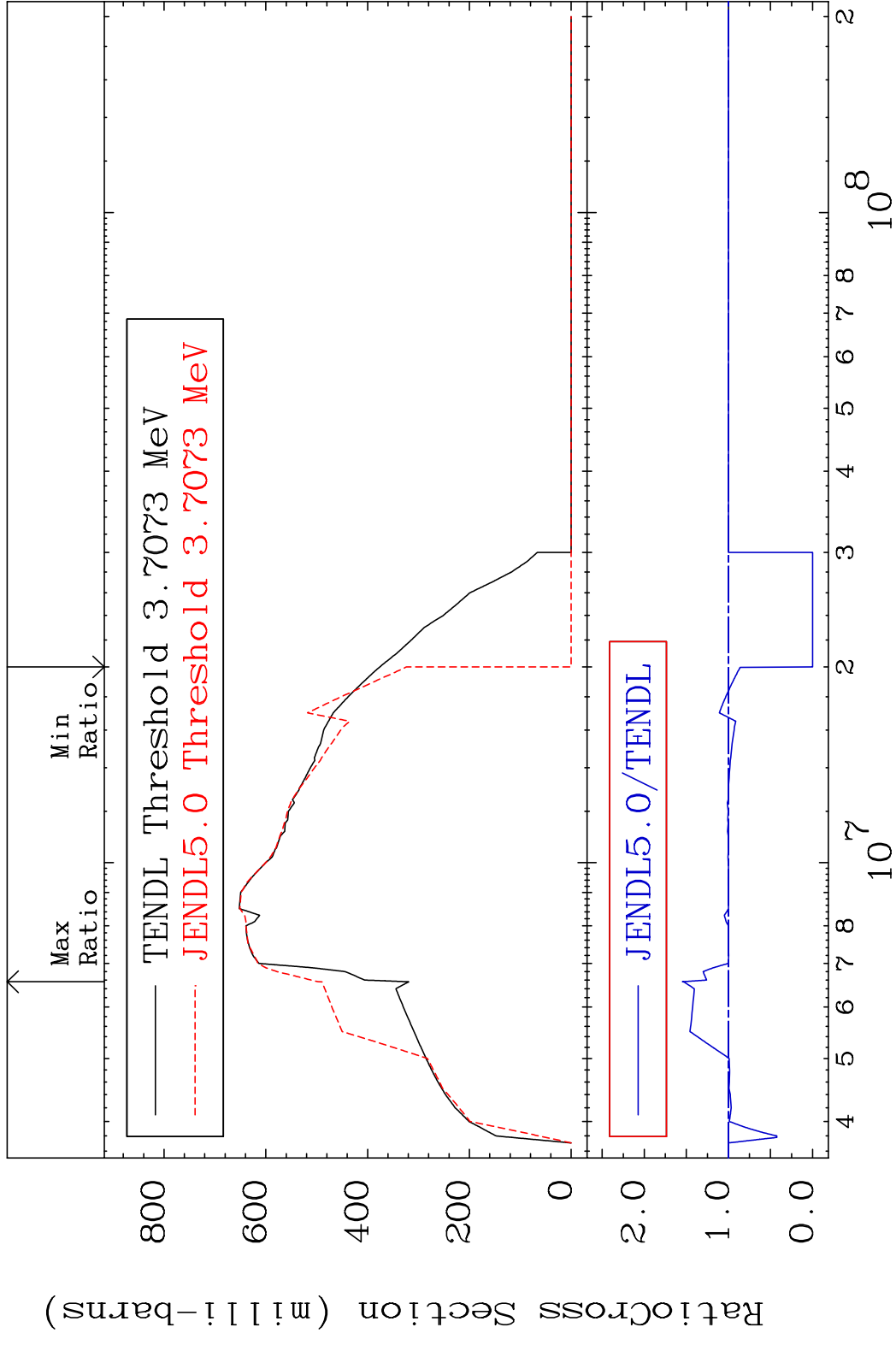
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start





MAT 428 Inelastic Cross Section -100.0 To 54.75 % 4-Be-10

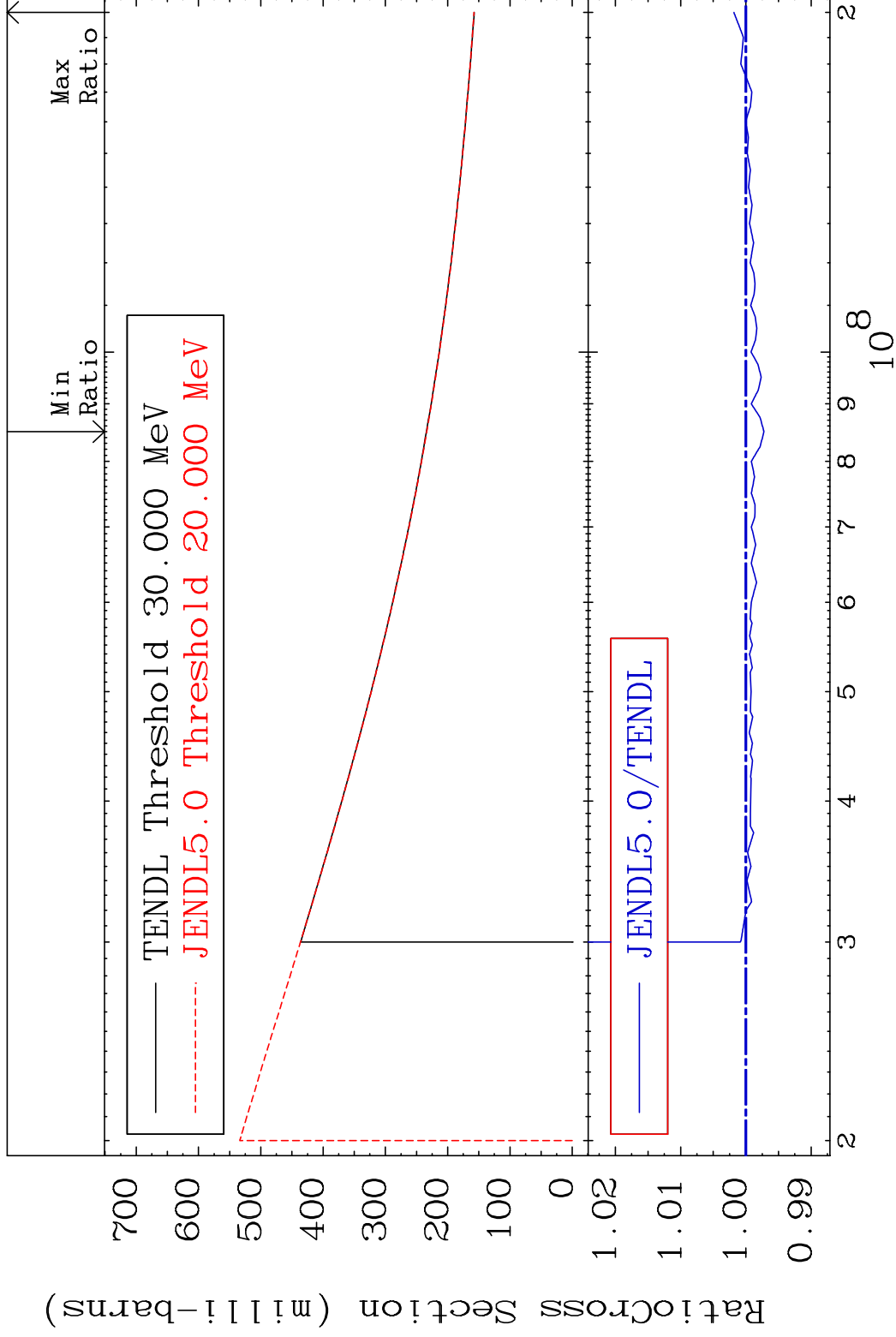


MAT 428

(n, remainder)

4-Be-10

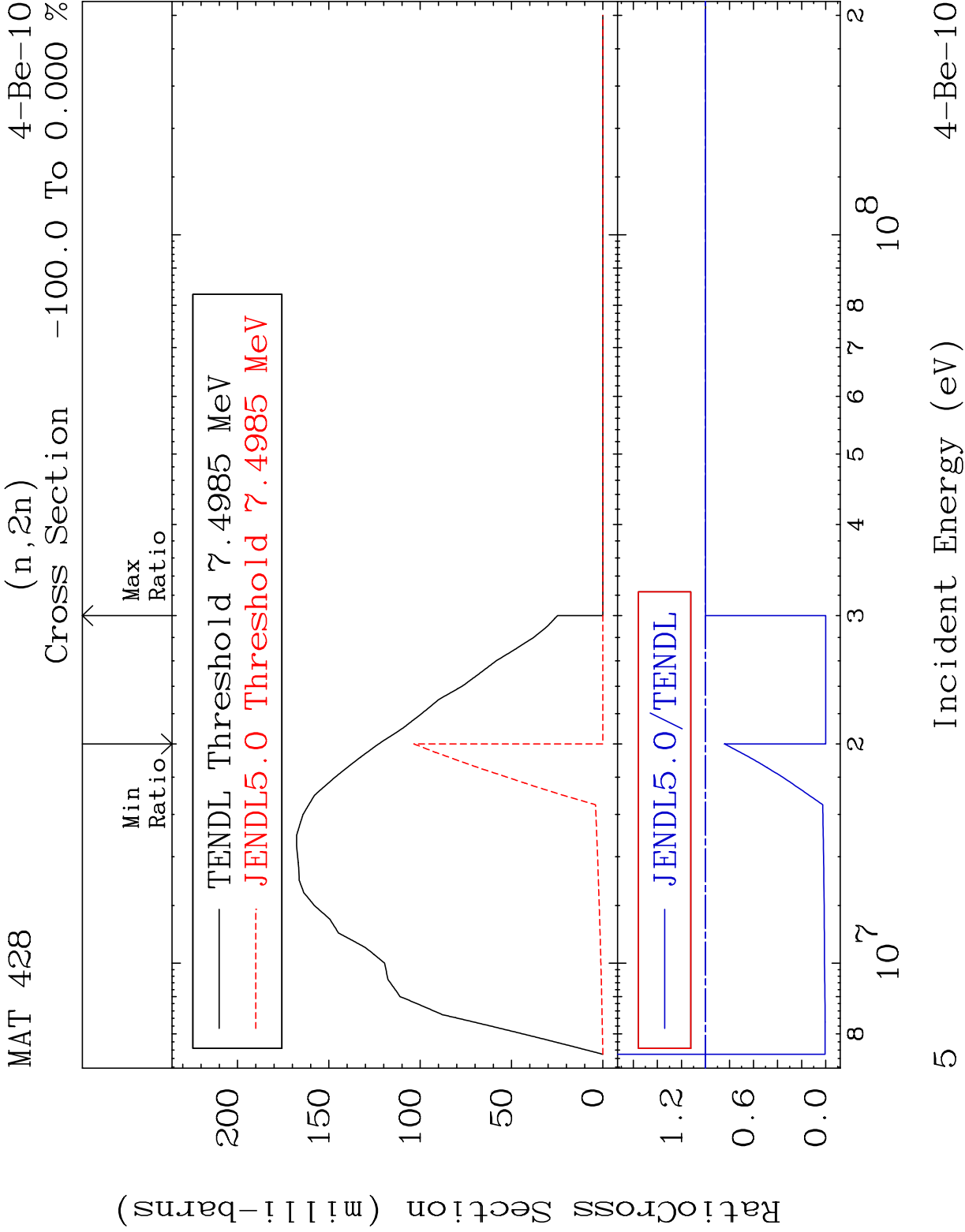
Cross Section -0.277 To 0.184 %

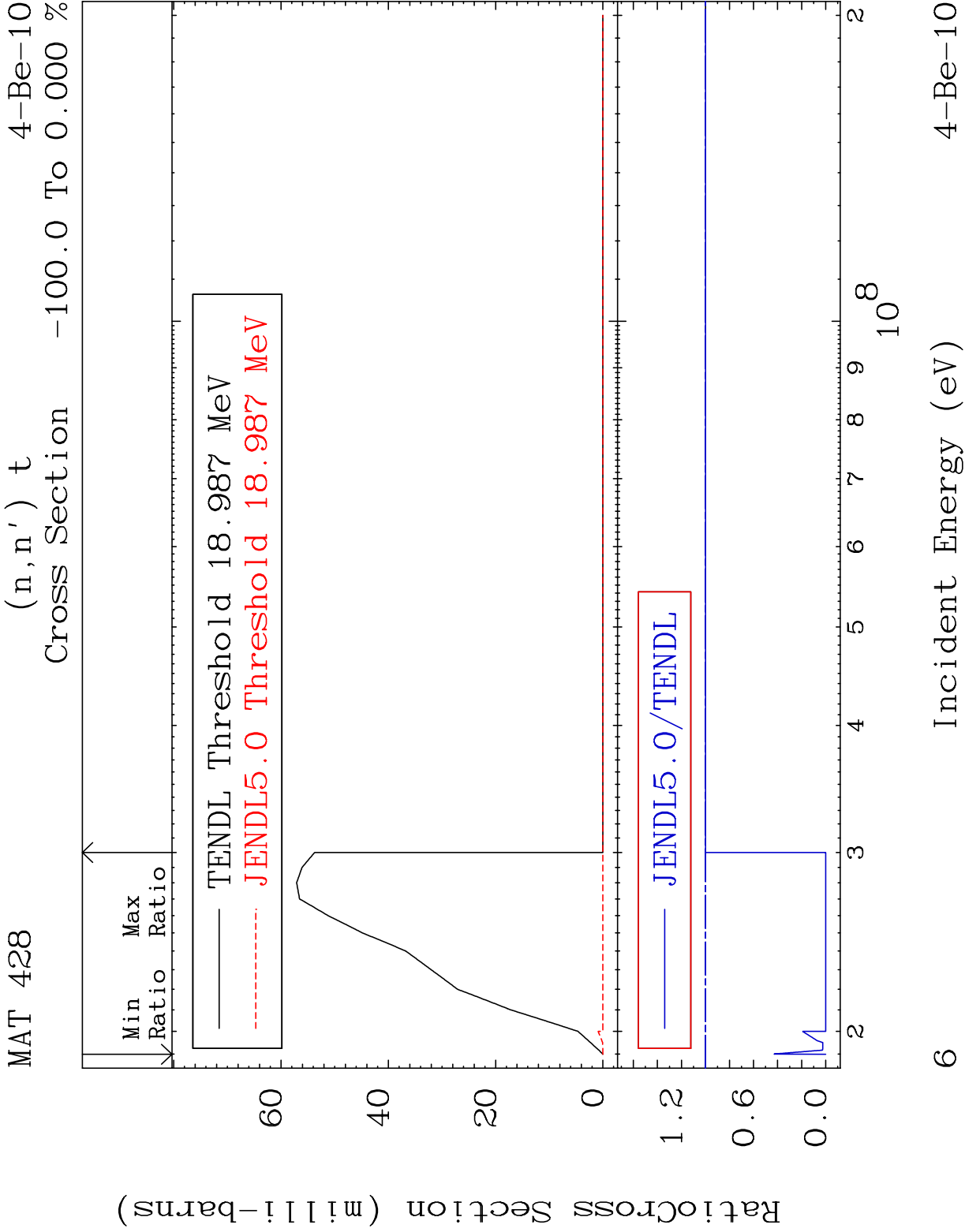


4

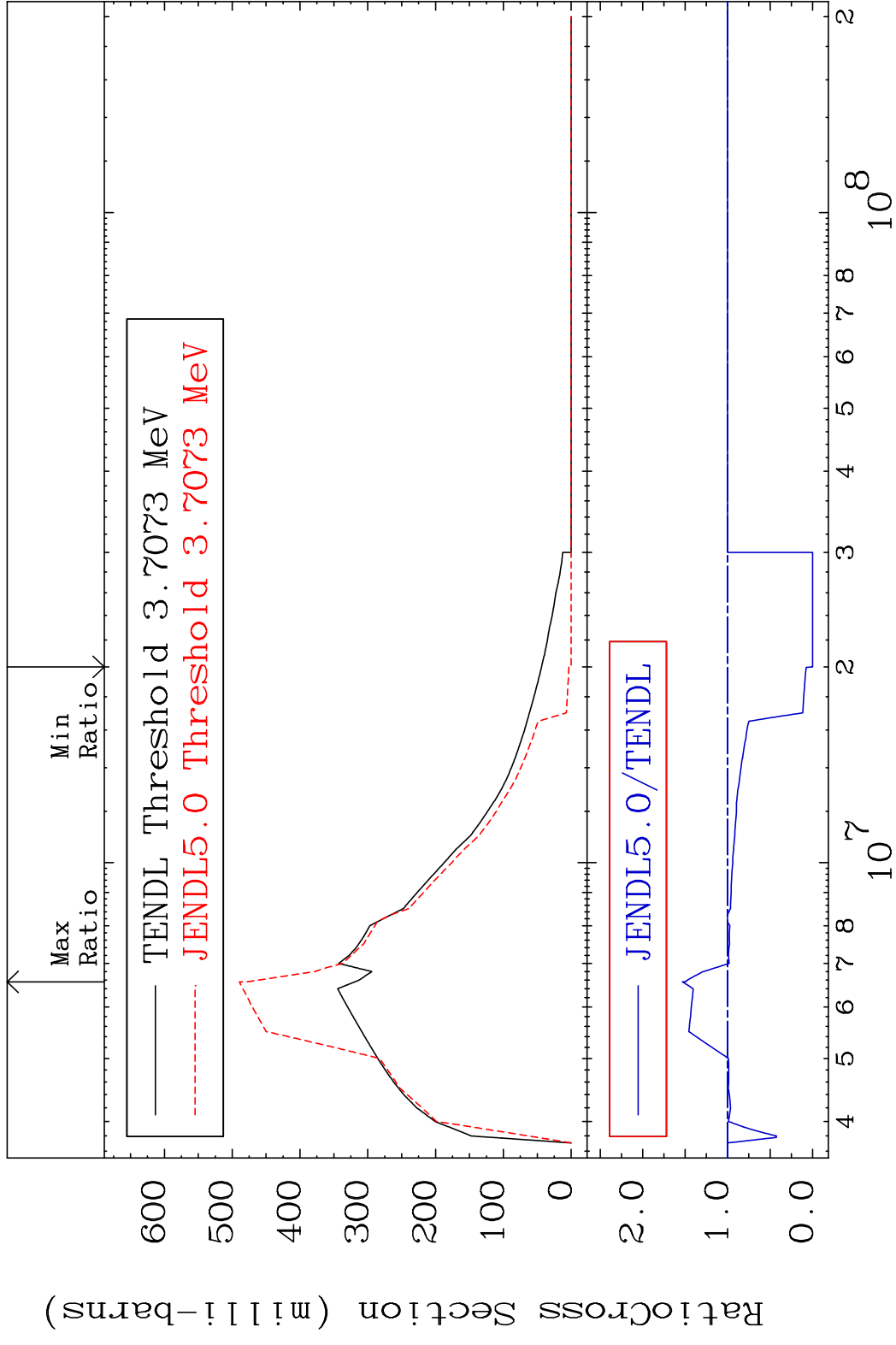
Incident Energy (eV)

4-Be-10

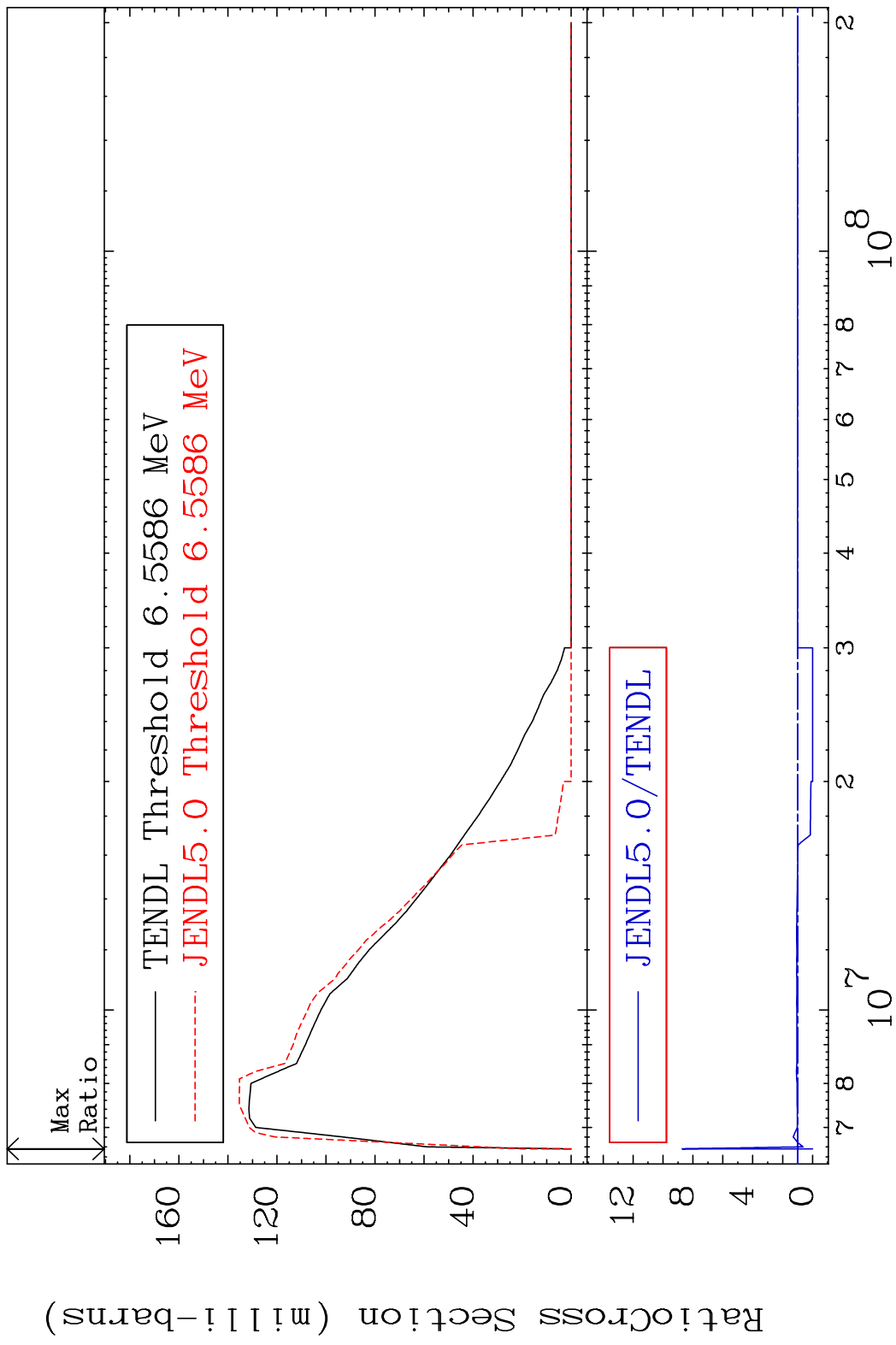




MAT 428 MT= 51 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 53.27 %

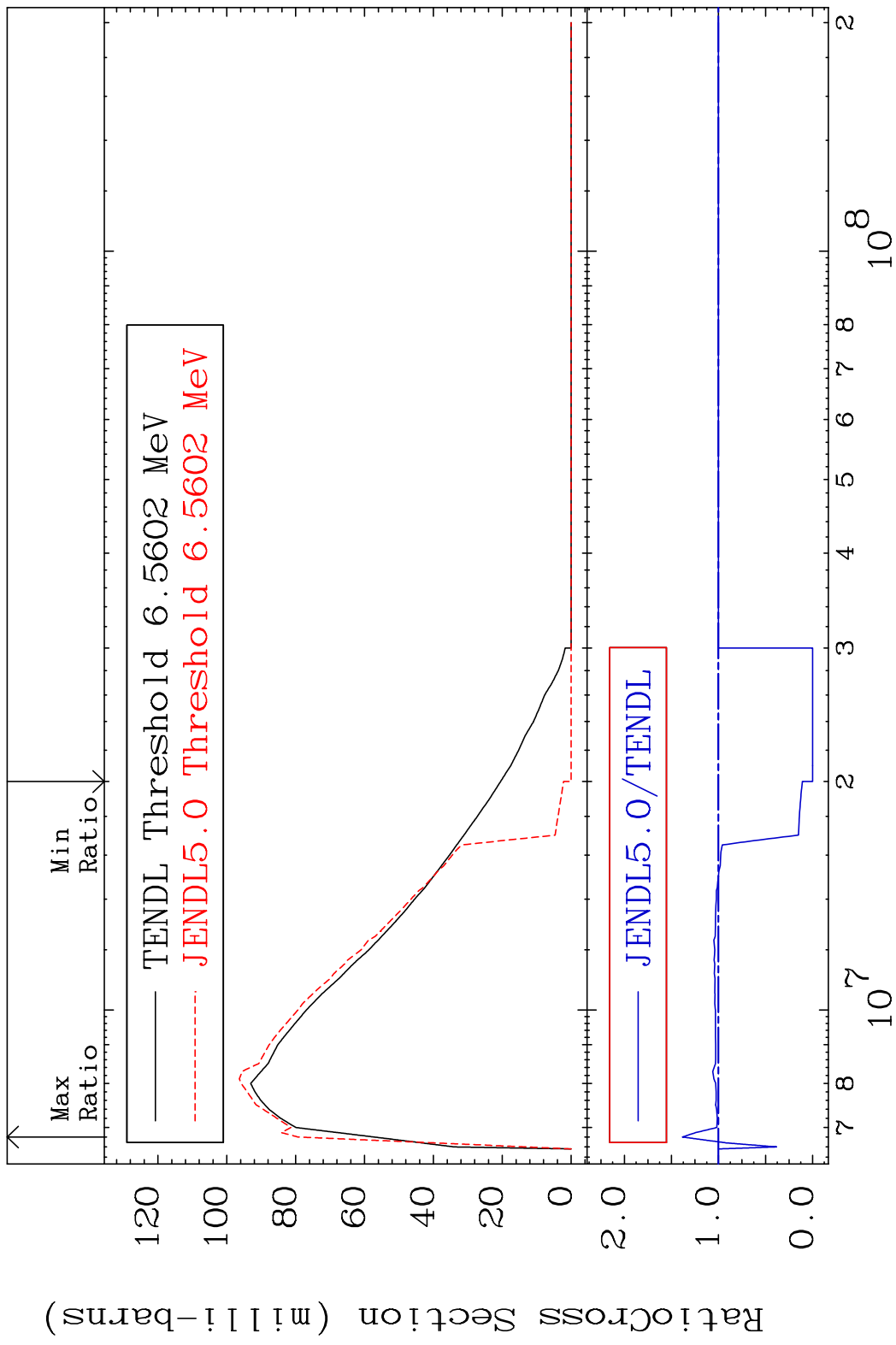


MAT 428 MT= 52 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 770.6 %

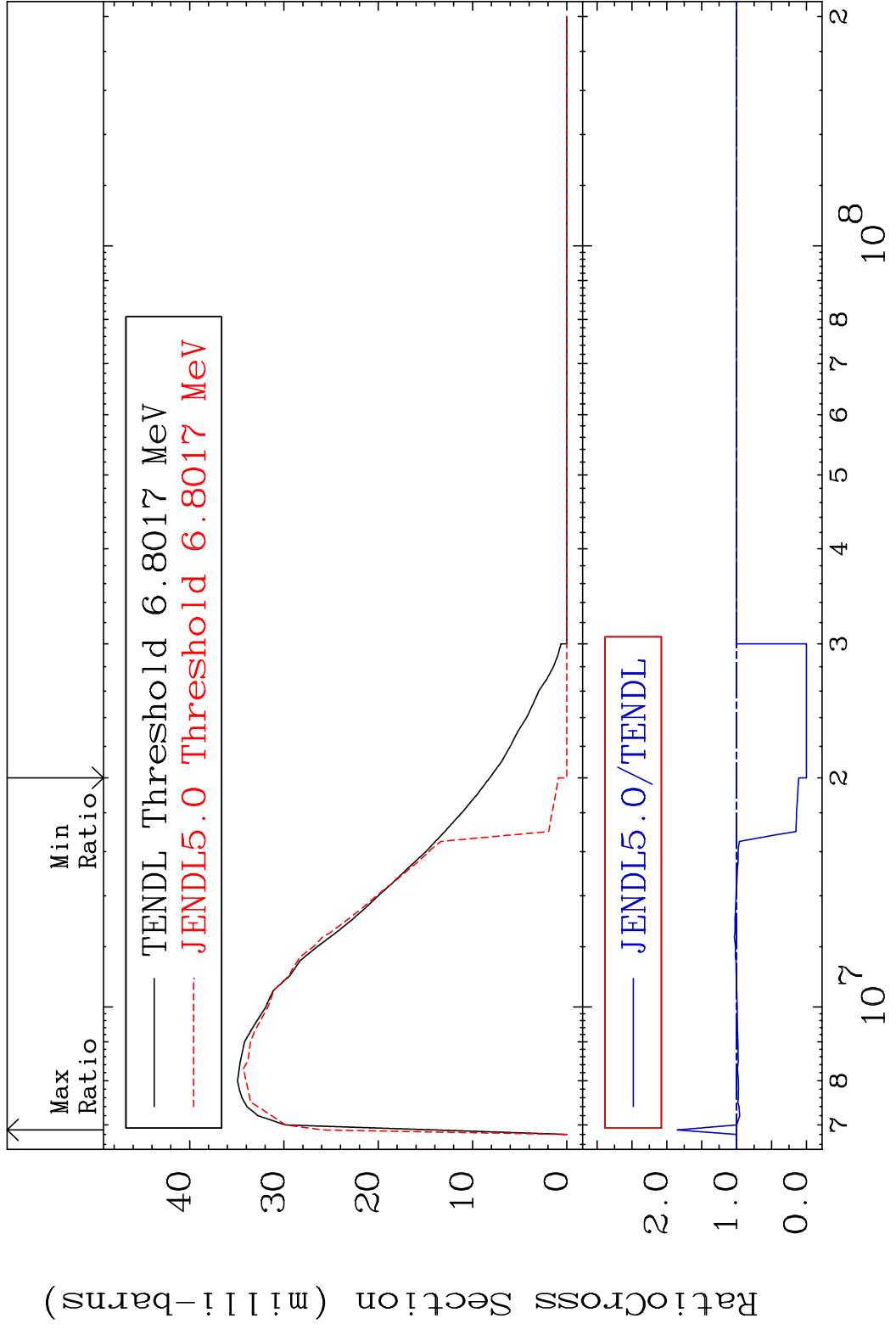


8 8 4-Be-10

MAT 428 MT= 53 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 38.40 %

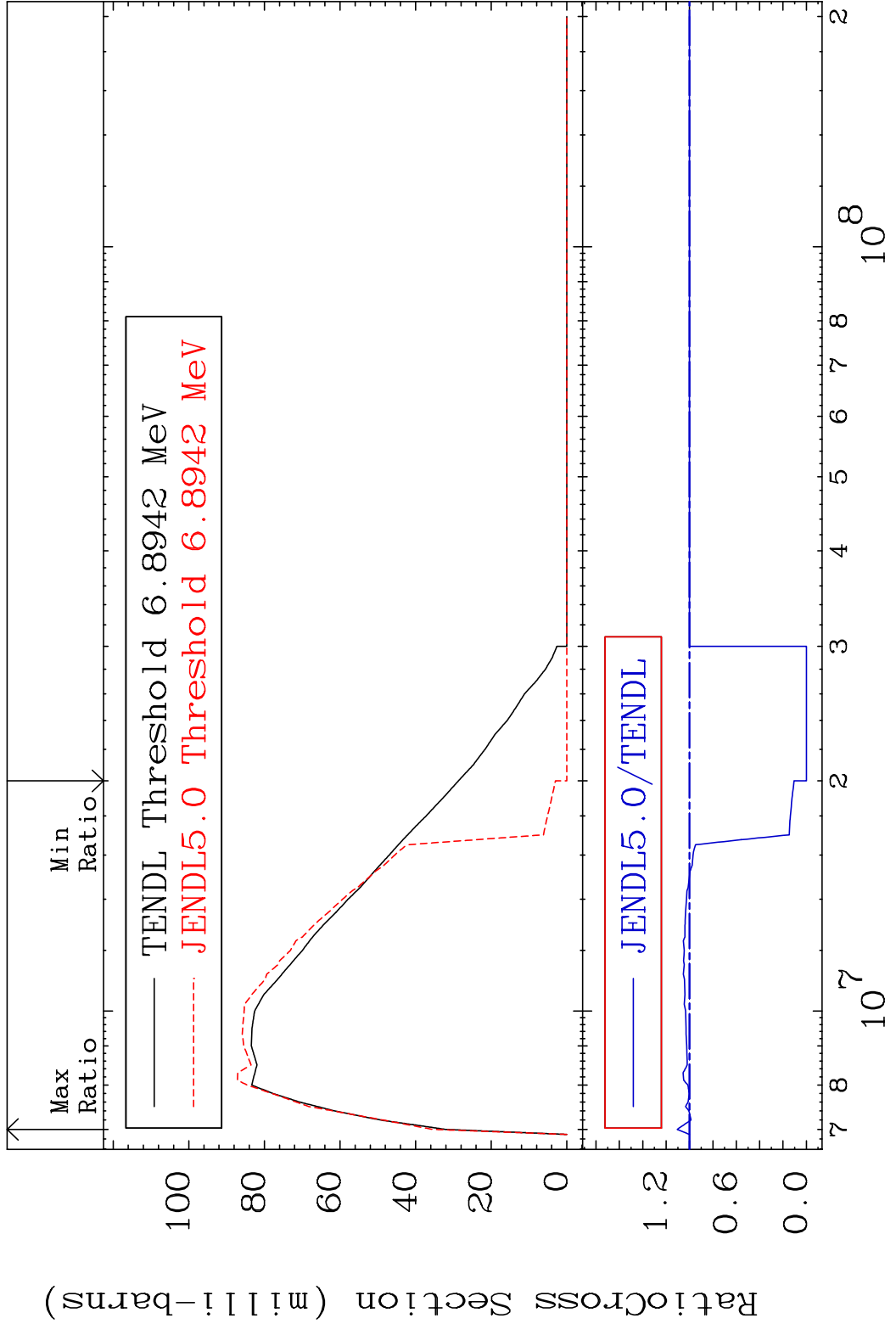


MAT 428 MT= 54 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 85.18 %

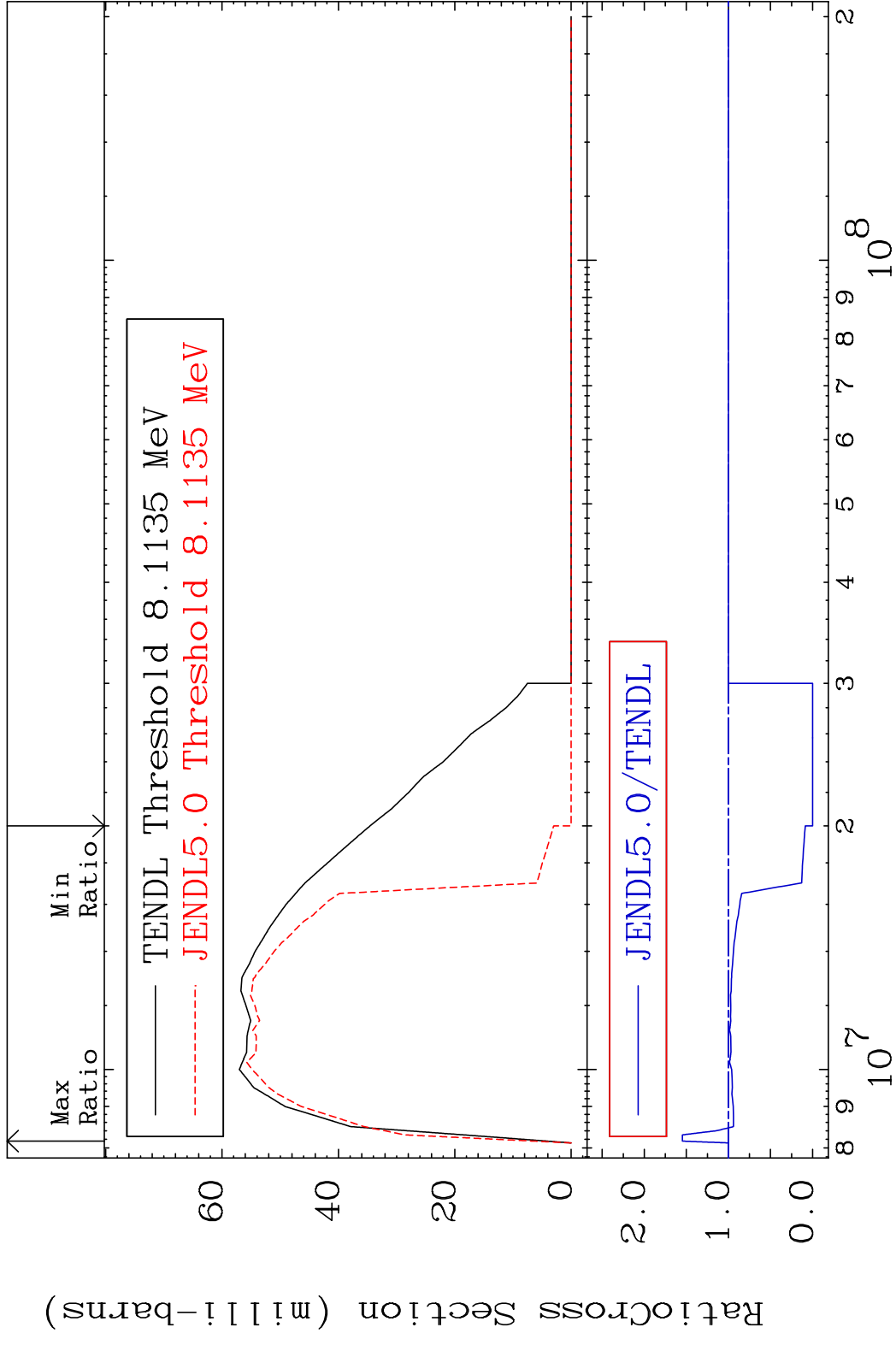


10 10<sup>7</sup> 10<sup>8</sup> 4-Be-10

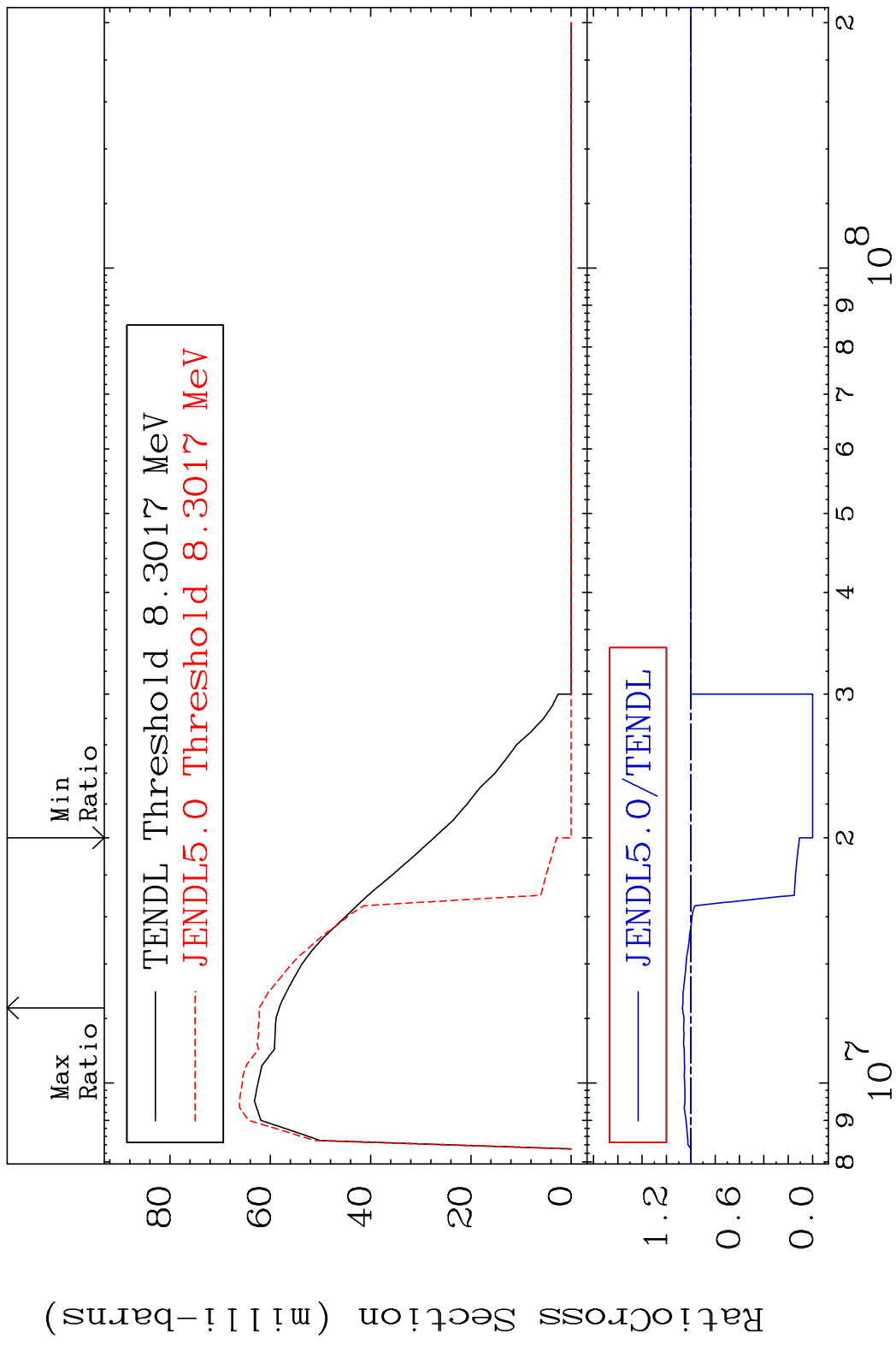
MAT 428 MT= 55 (n,n') Level 4-Be-10  
 Cross Section -100.0 To 10.55 %



MAT 428 MT= 56 (n,n') Level 4-Be-10  
 Cross Section -100.0 To 54.75 %

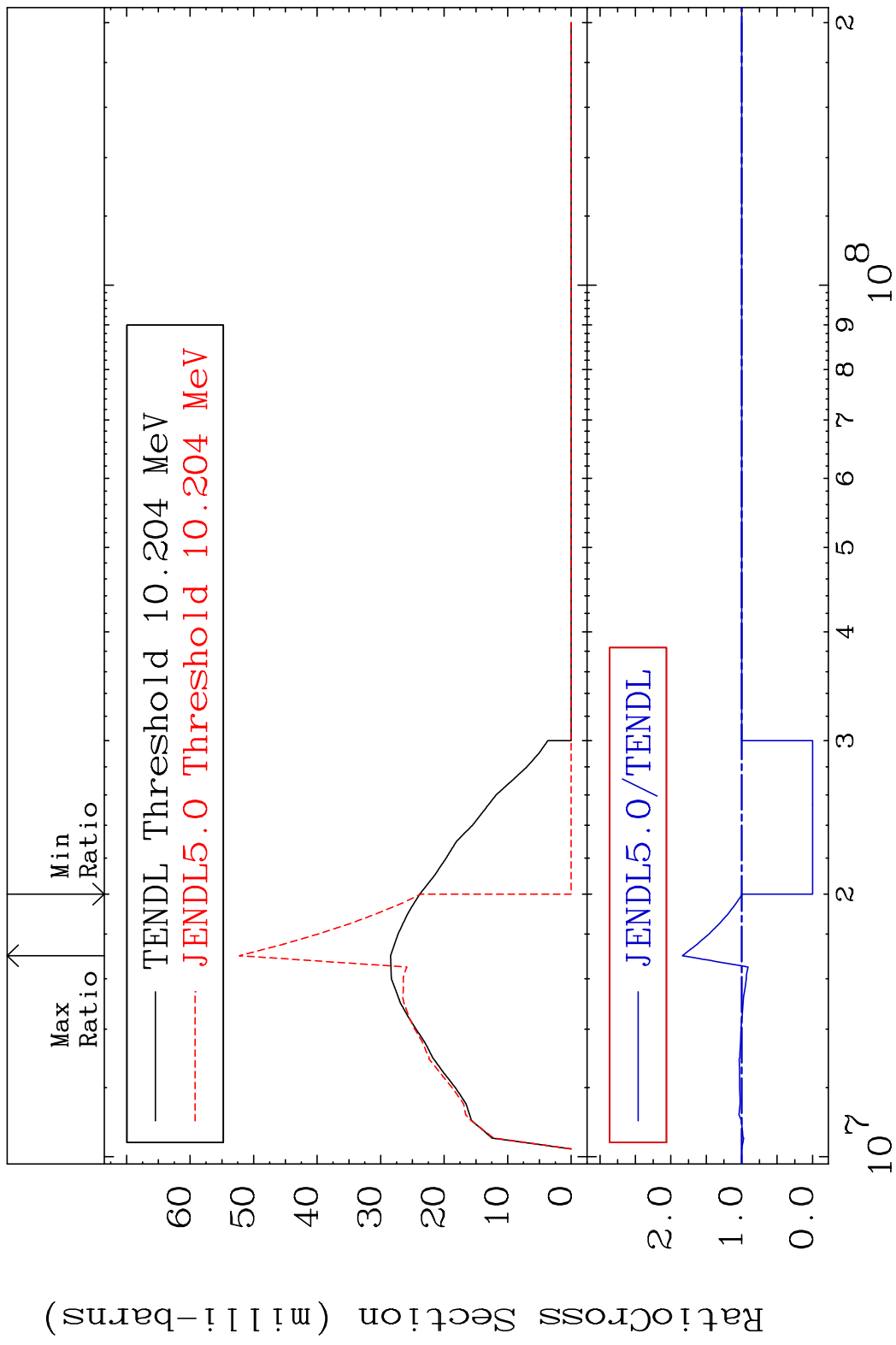


MAT 428 MT= 57 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 6.941 %



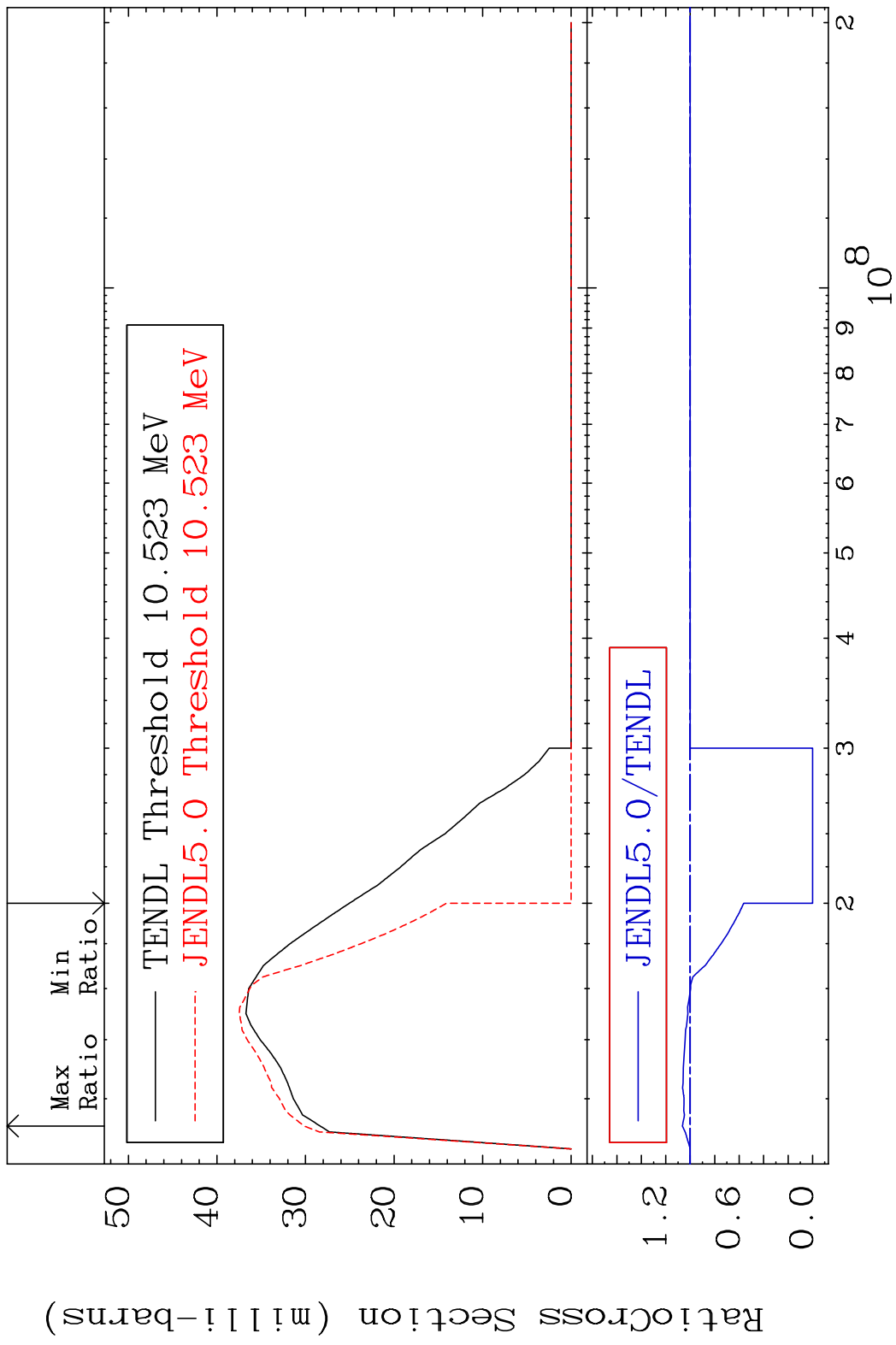
13 Incident Energy (eV) 4-Be-10

MAT 428 MT= 58 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 83.74 %

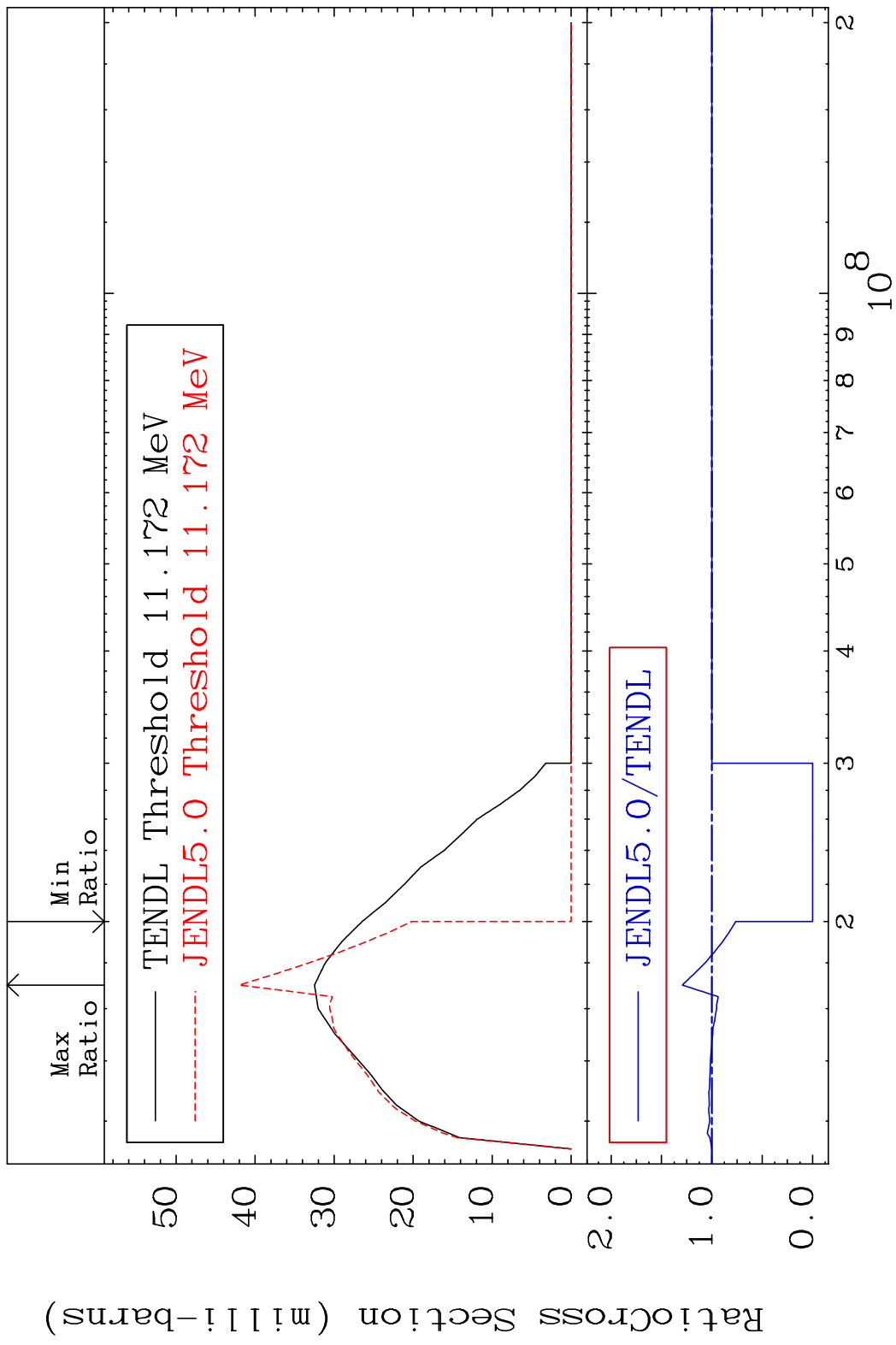


14 4-Be-10

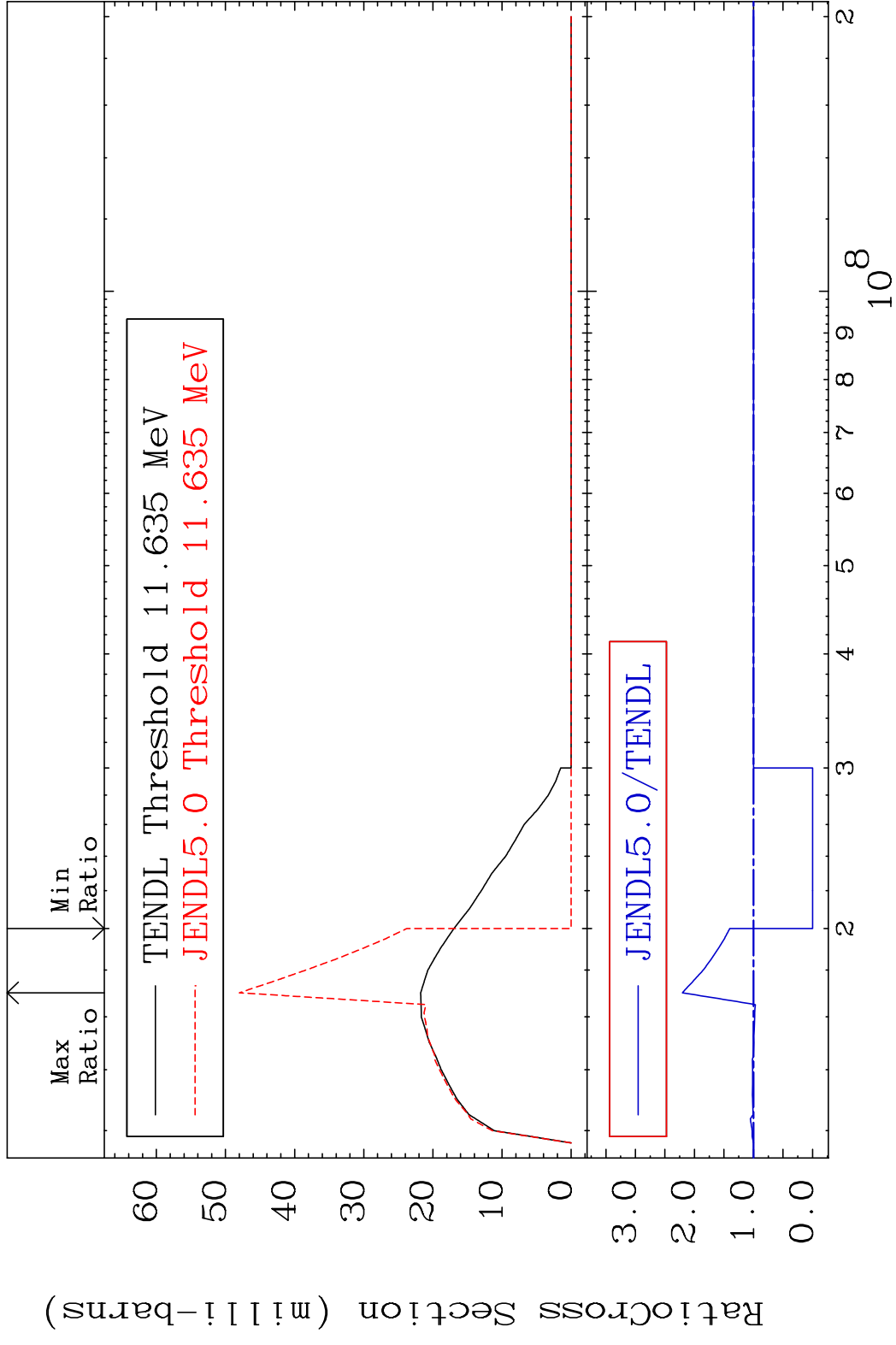
MAT 428 MT= 59 (n,n') Level 4-Be-10  
 Cross Section -100.0 To 6.446 %



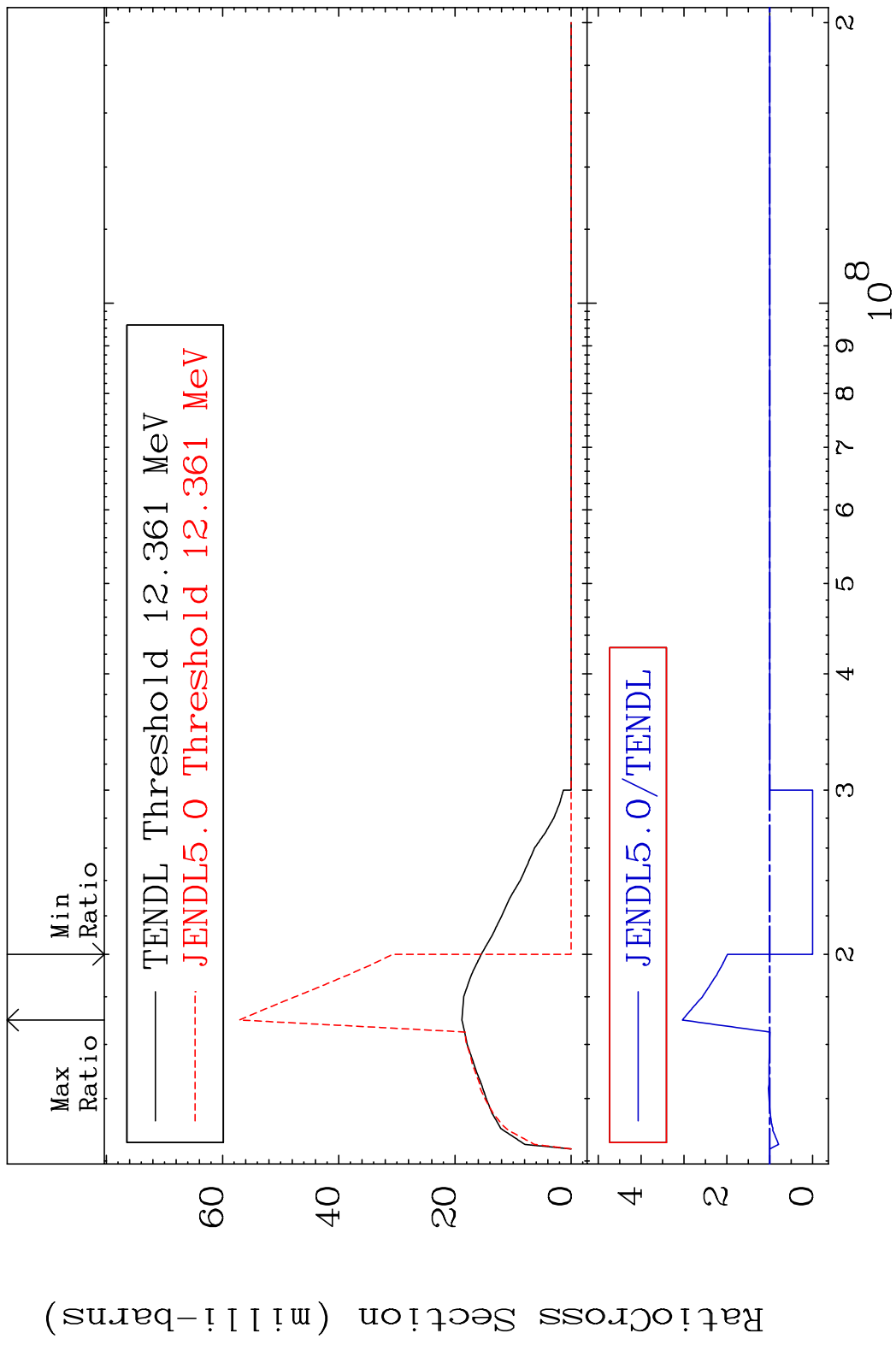
MAT 428 MT= 60 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 29.30 %



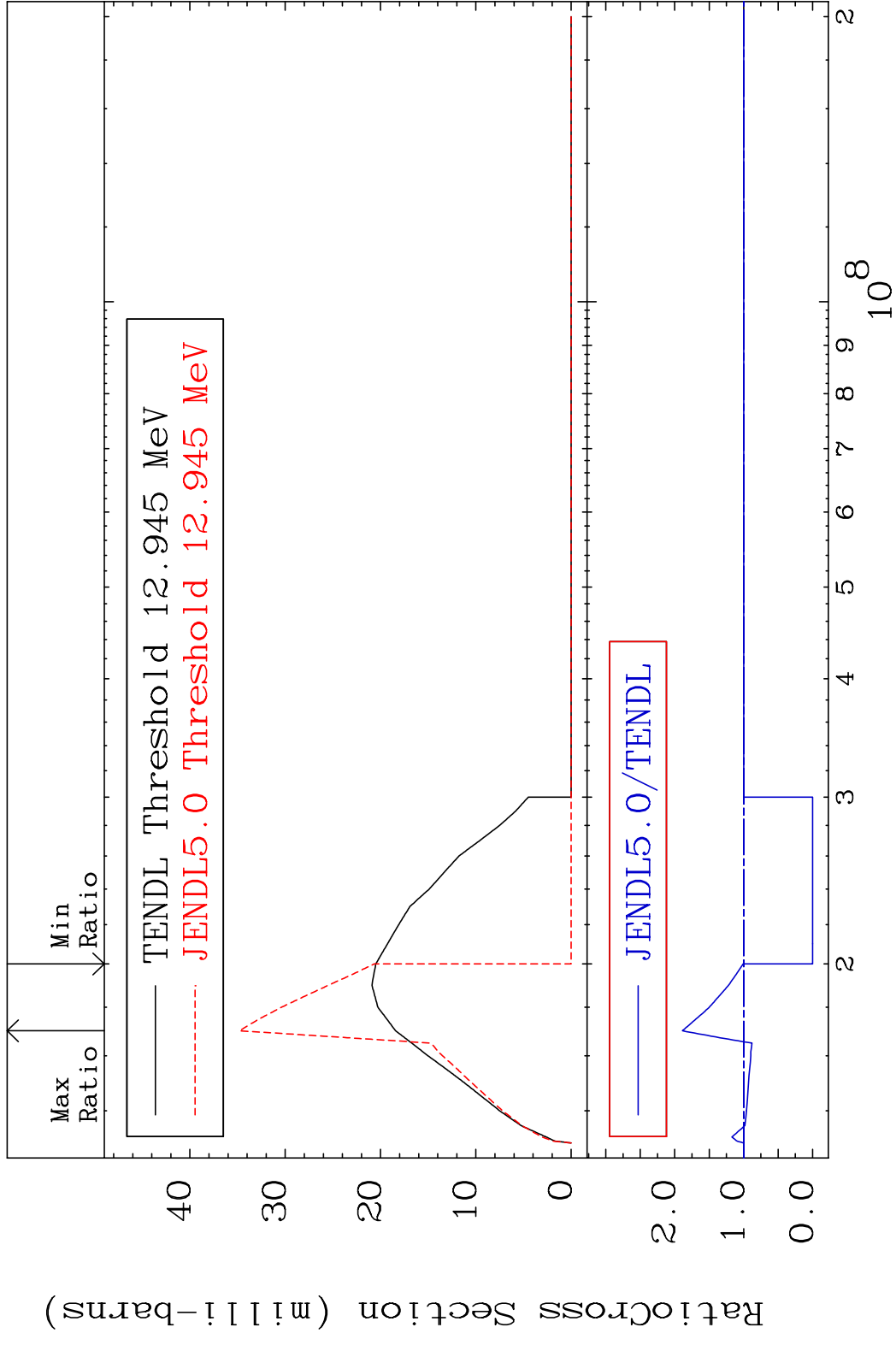
MAT 428 MT= 61 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 120.5 %



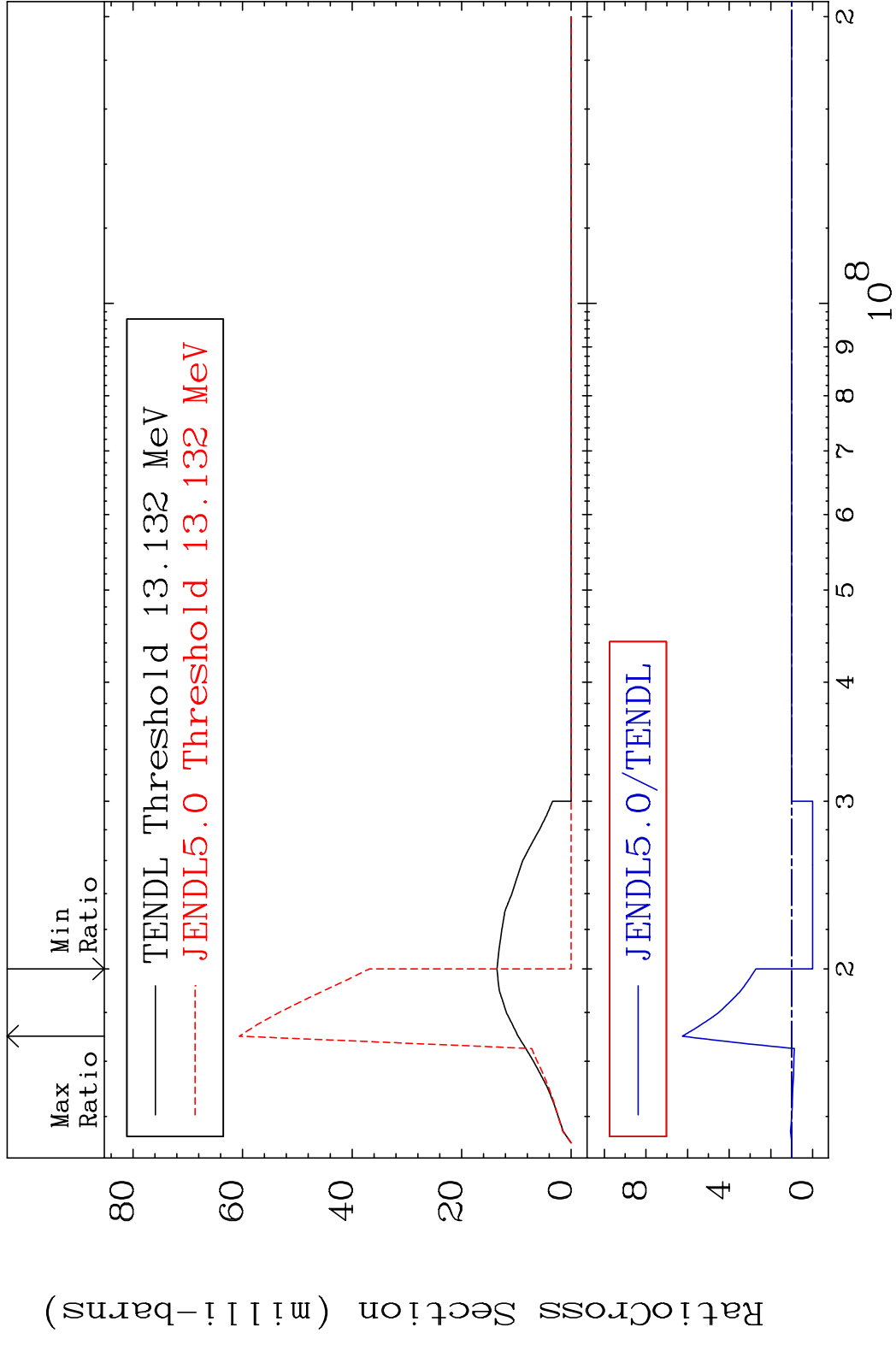
MAT 428 MT= 62 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 203.7 %



MAT 428 MT= 63 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 88.94 %

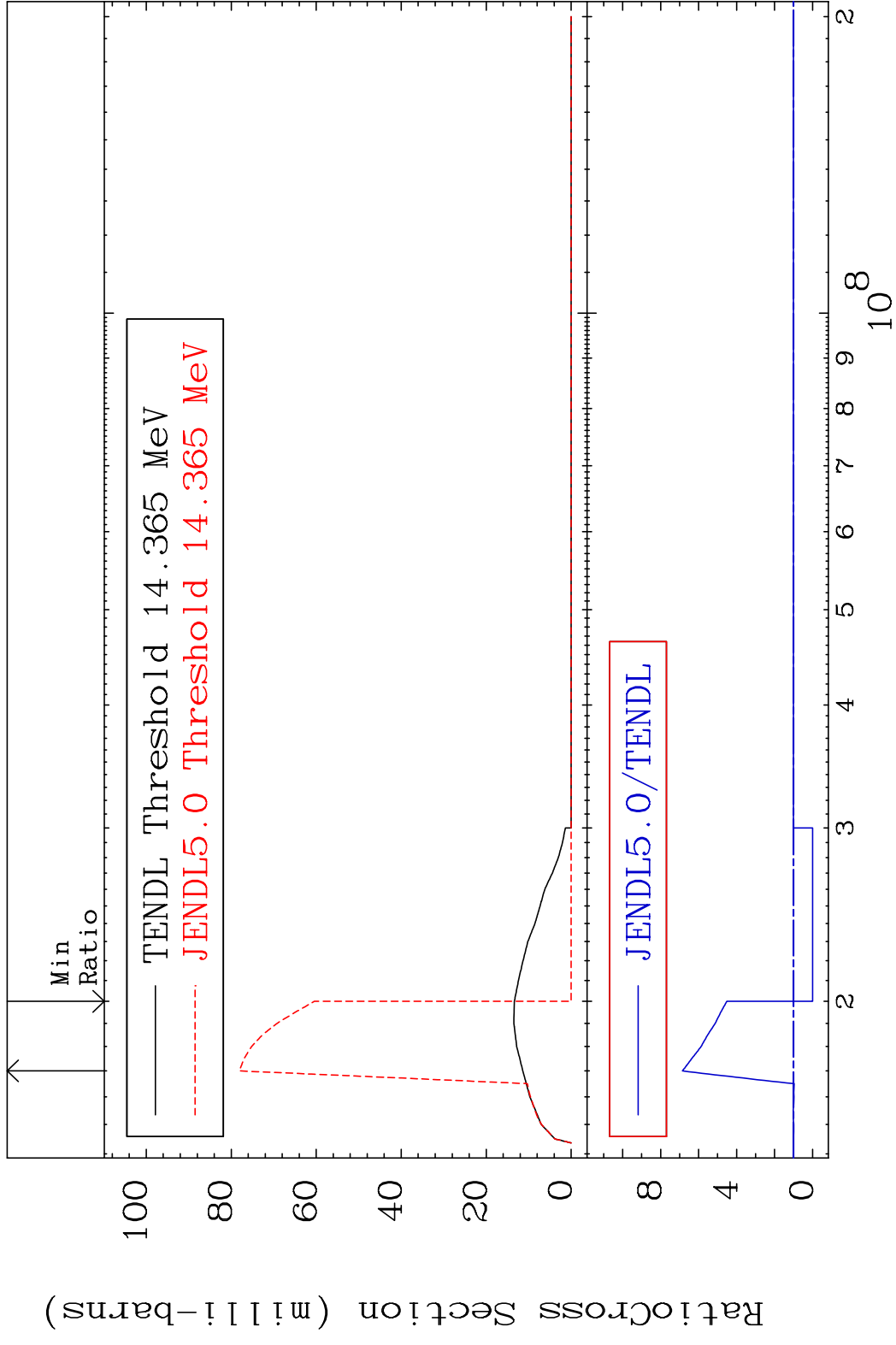


MAT 428 MT= 64 (n,n') Level 4-Be-10  
 Cross Section -100.0 To 525.2 %

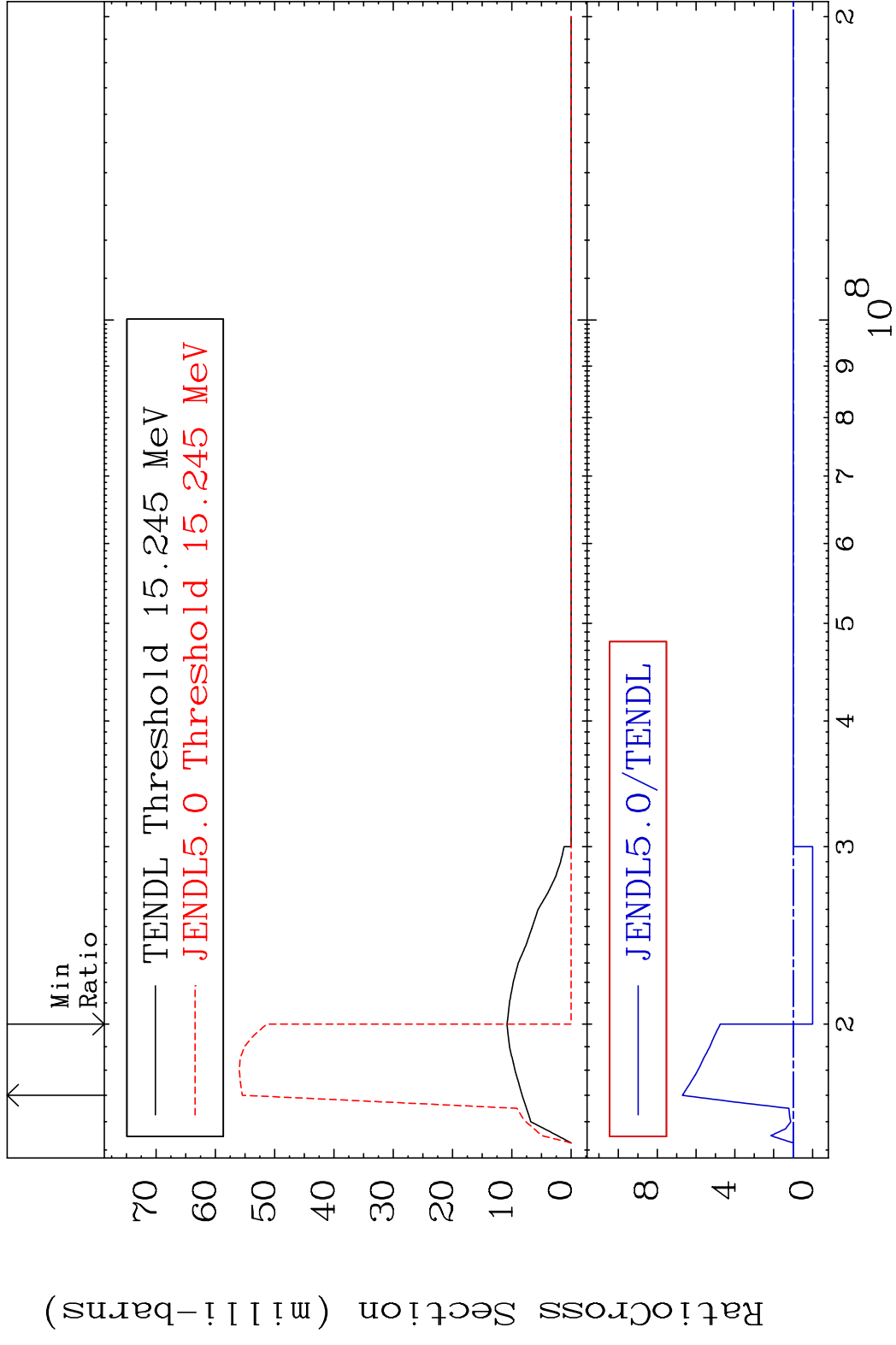


20 Incident Energy (eV) 4-Be-10

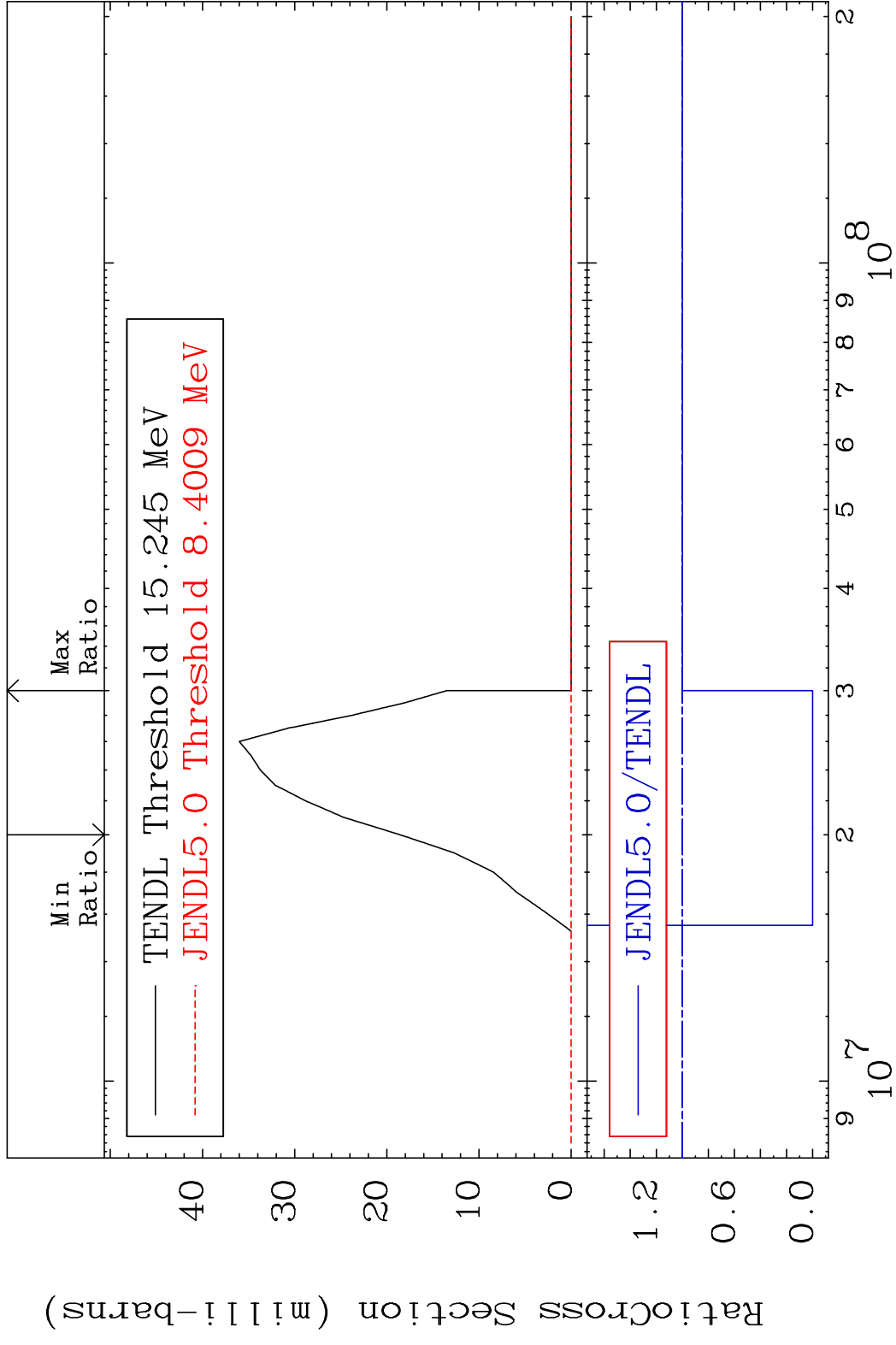
MAT 428 MT= 65 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 585.5 %



MAT 428 MT= 66 (n, n') Level 4-Be-10  
 Cross Section -100.0 To 570.6 %



MAT 428 (n, n') Continuum 4-Be-10  
 Cross Section -100.0 To 0.000 %

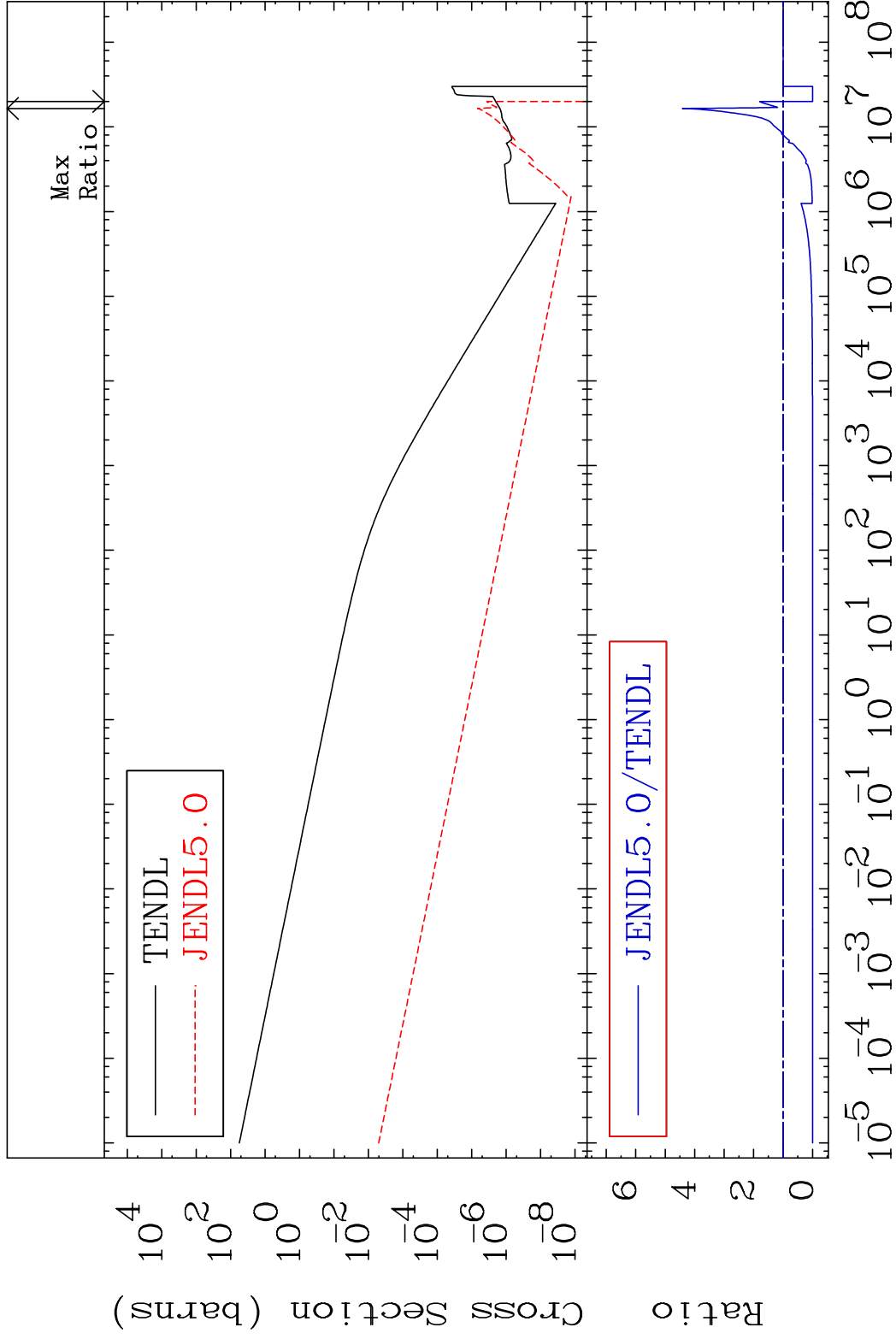


MAT 428

(n,  $\gamma$ )

4-Be-10

Cross Section -100.0 To 341.8 %

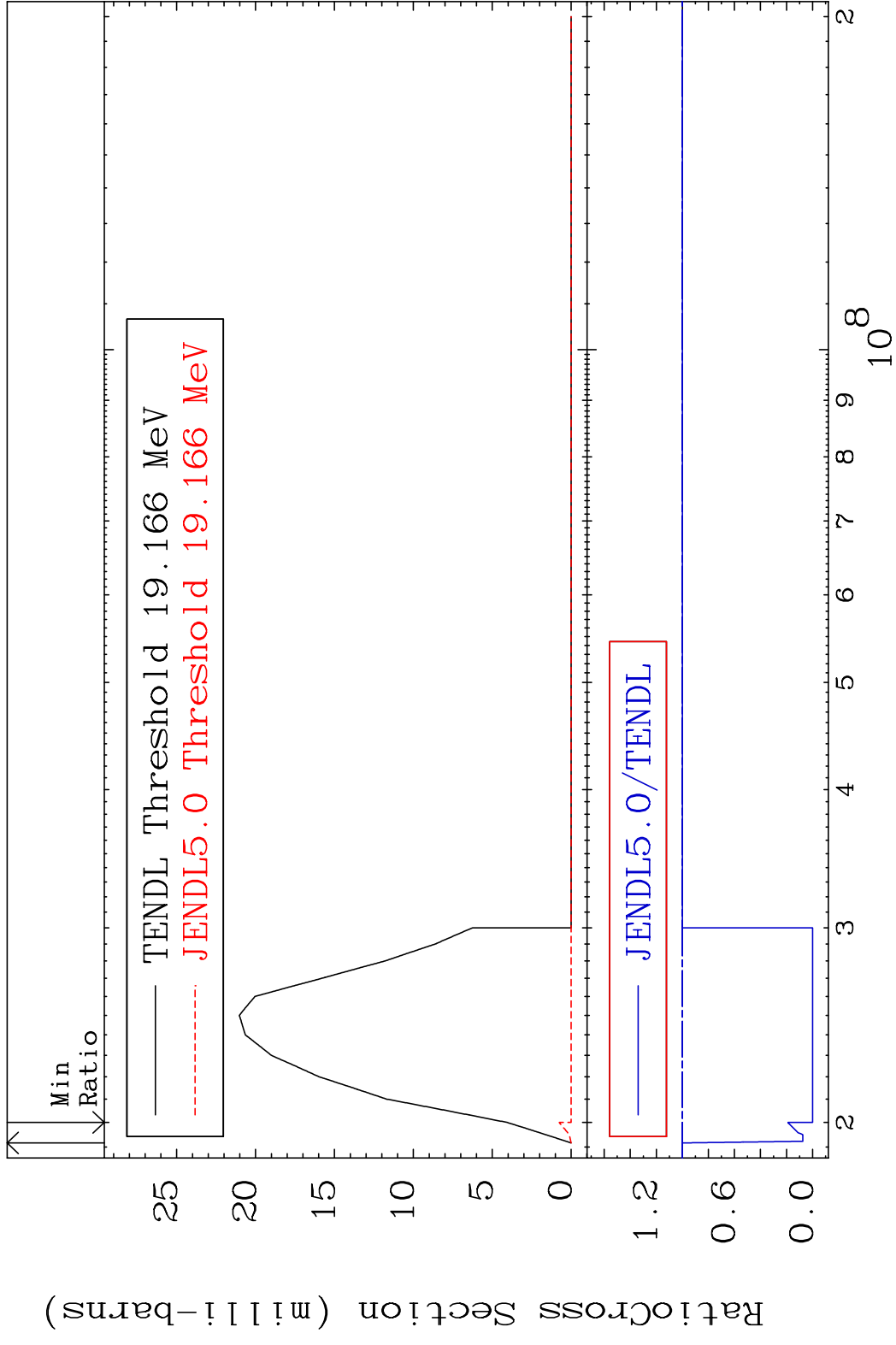


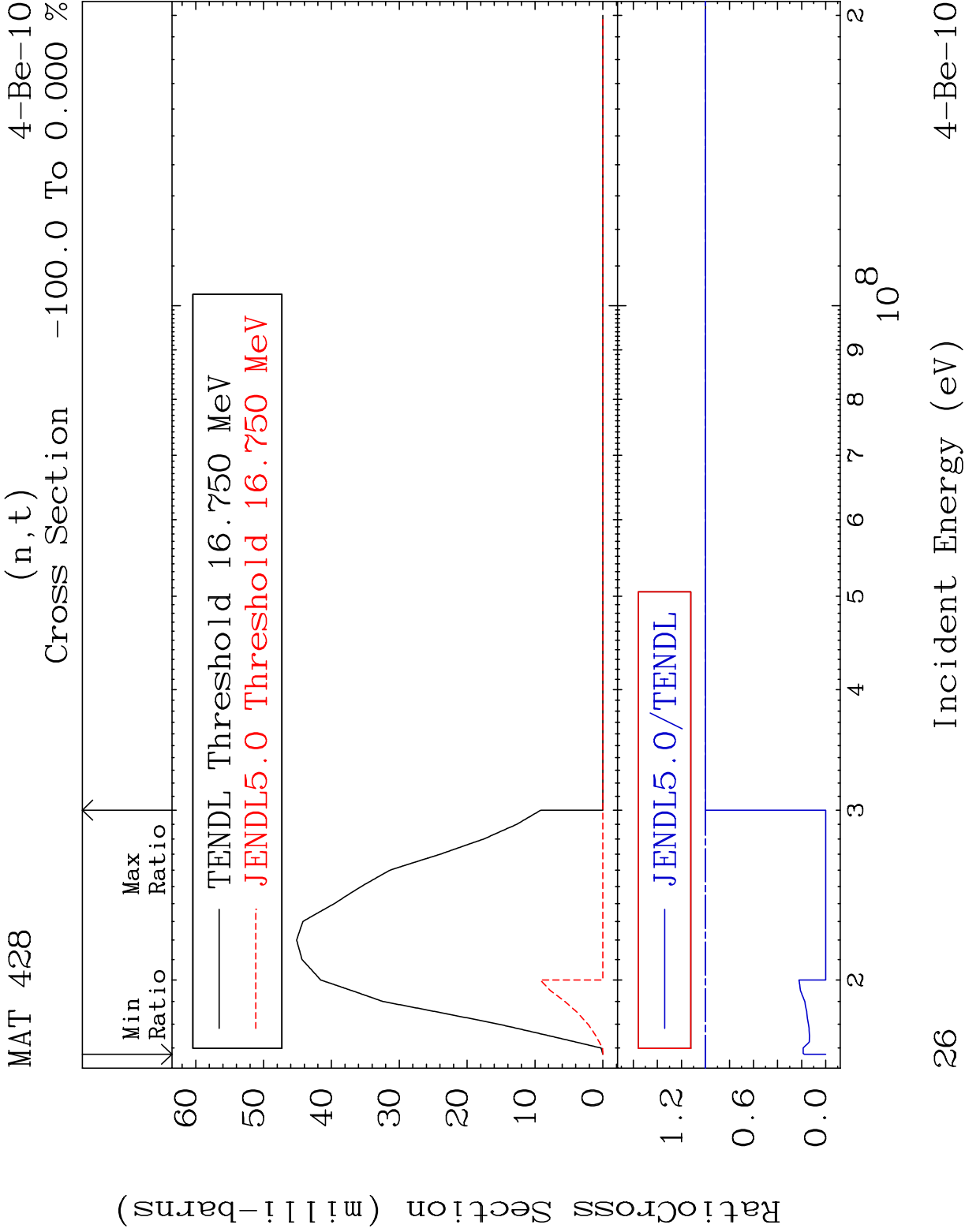
24

Incident Energy (eV)

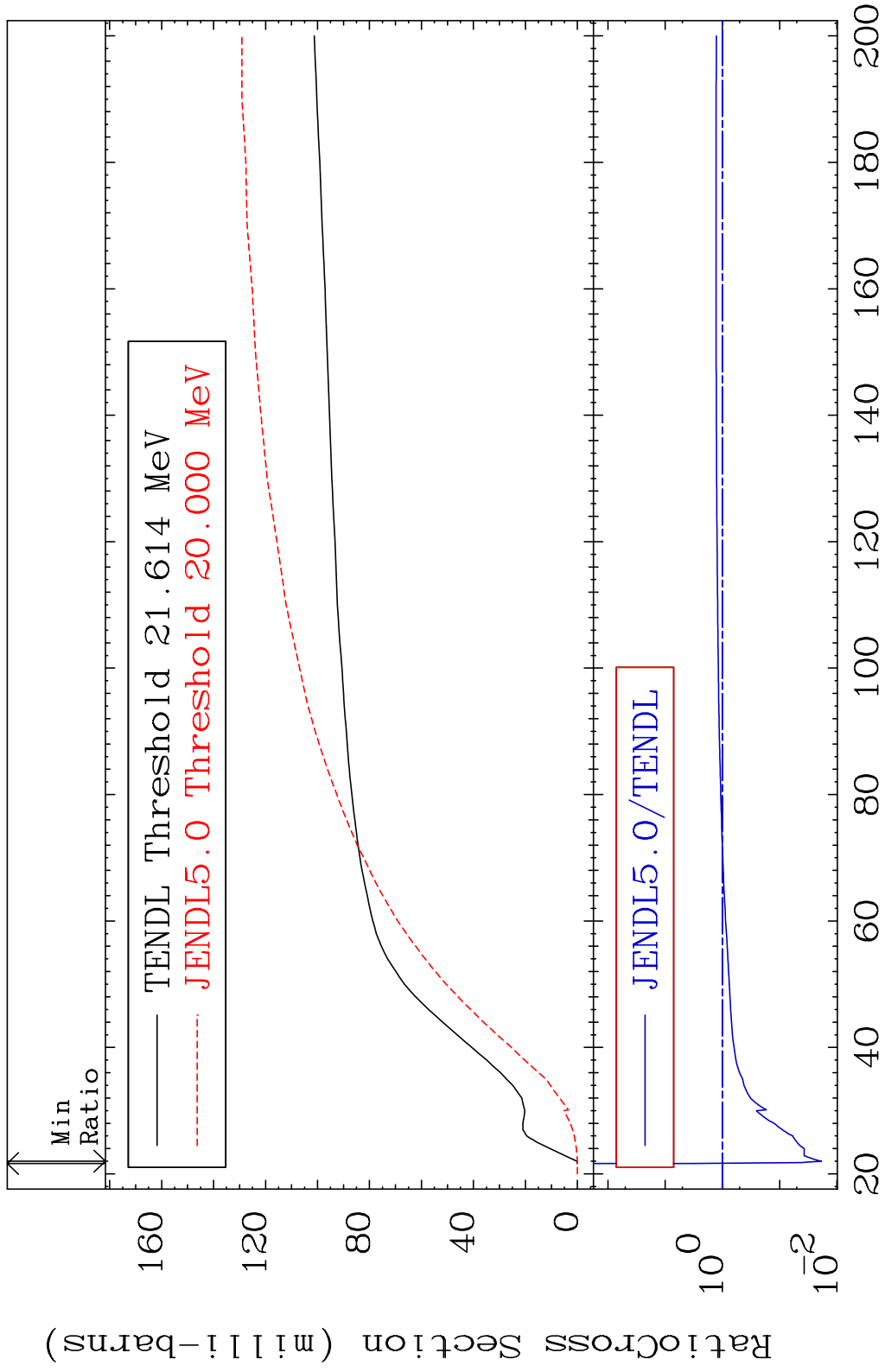
4-Be-10

MAT 428 (n,d) 4-Be-10  
 Cross Section -100.0 To 0.000 %



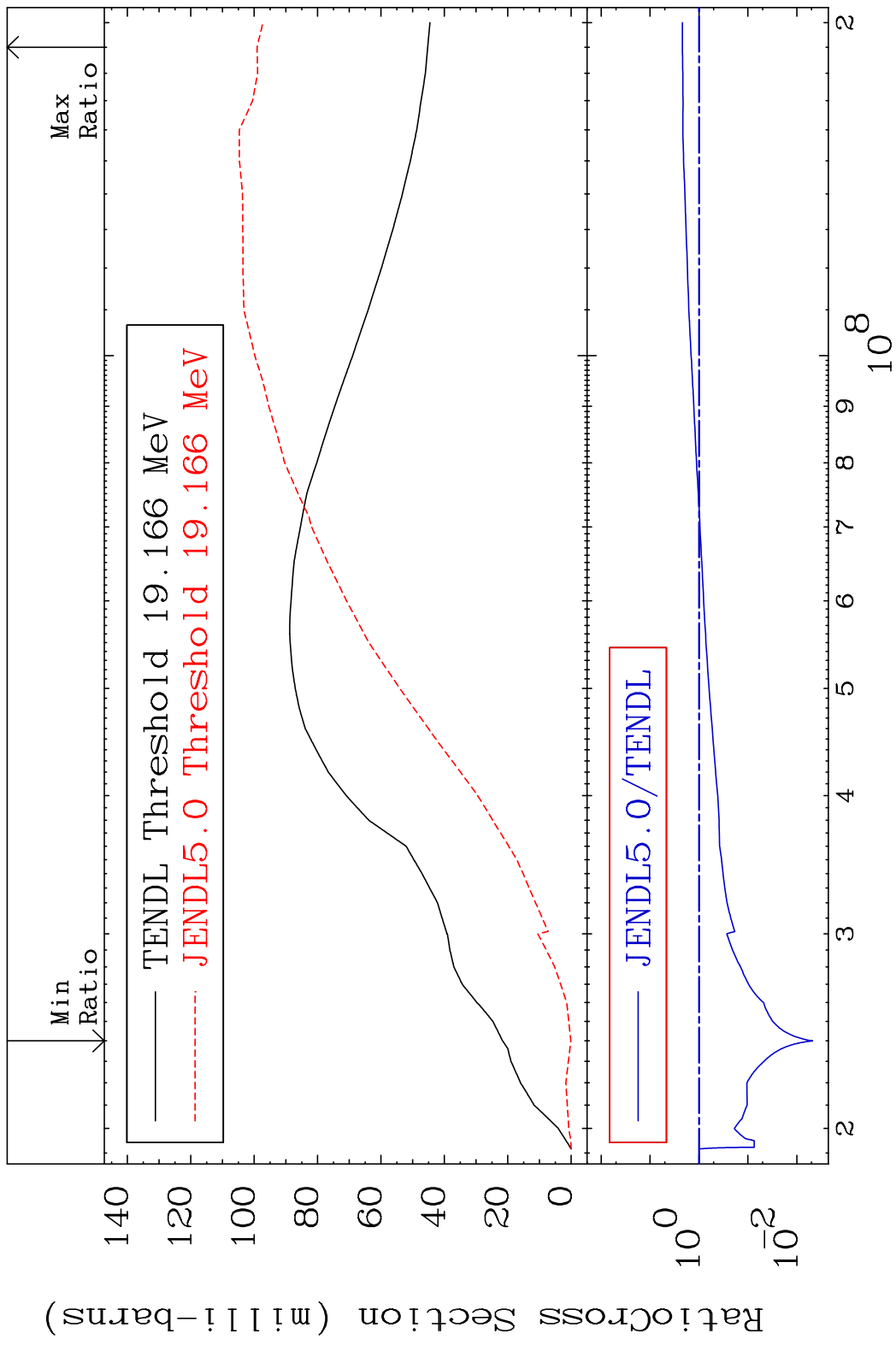


MAT 428 Hydrogen Production 4-Be-10  
 Cross Section -98.14 To 271.9 %

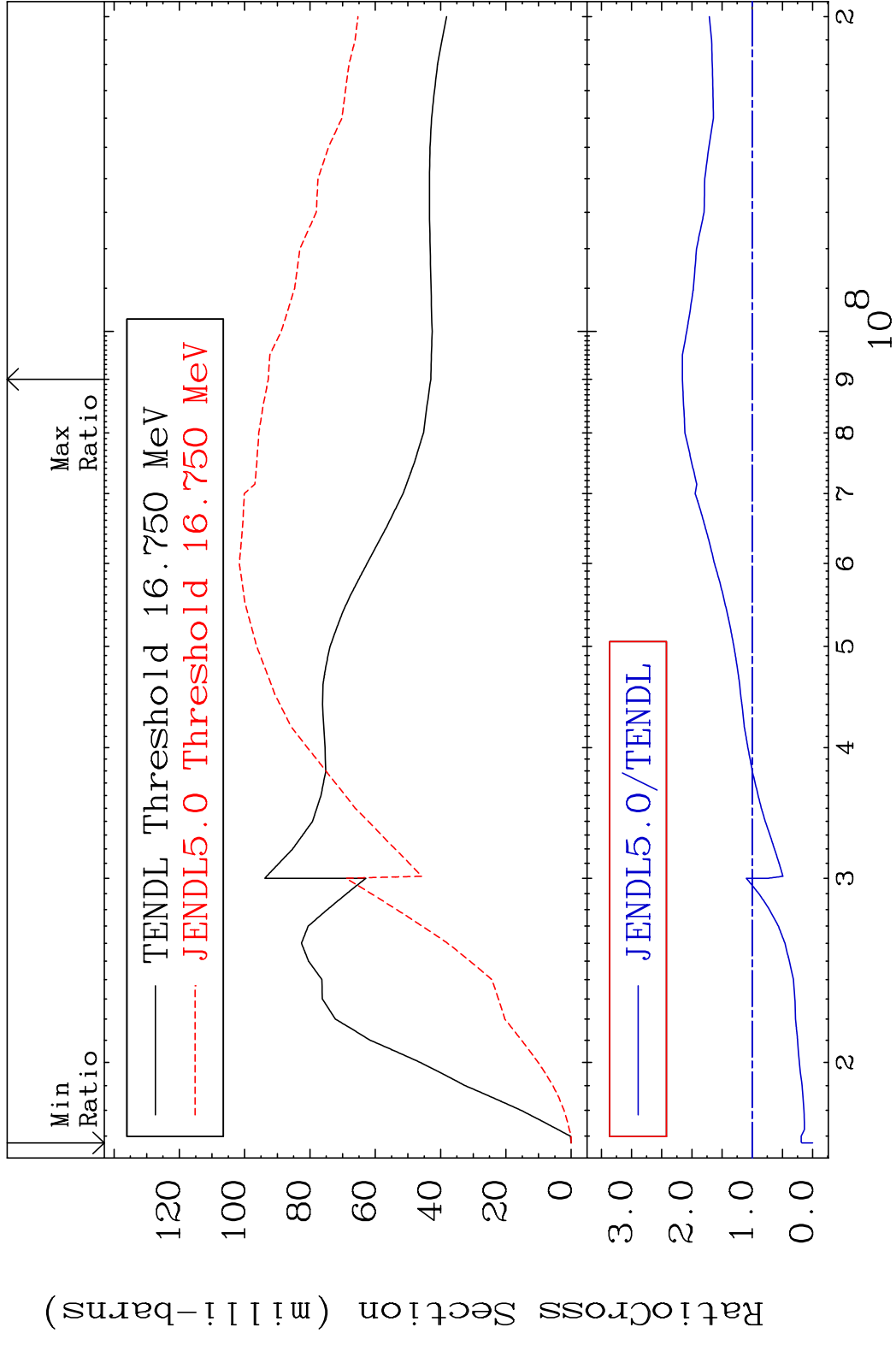


27 4-Be-10

MAT 428 Deuterium Production 4-Be-10  
 Cross Section -99.52 To 119.0 %



MAT 428 Tritium Production 4-Be-10  
 Cross Section -100.0 To 115.8 %

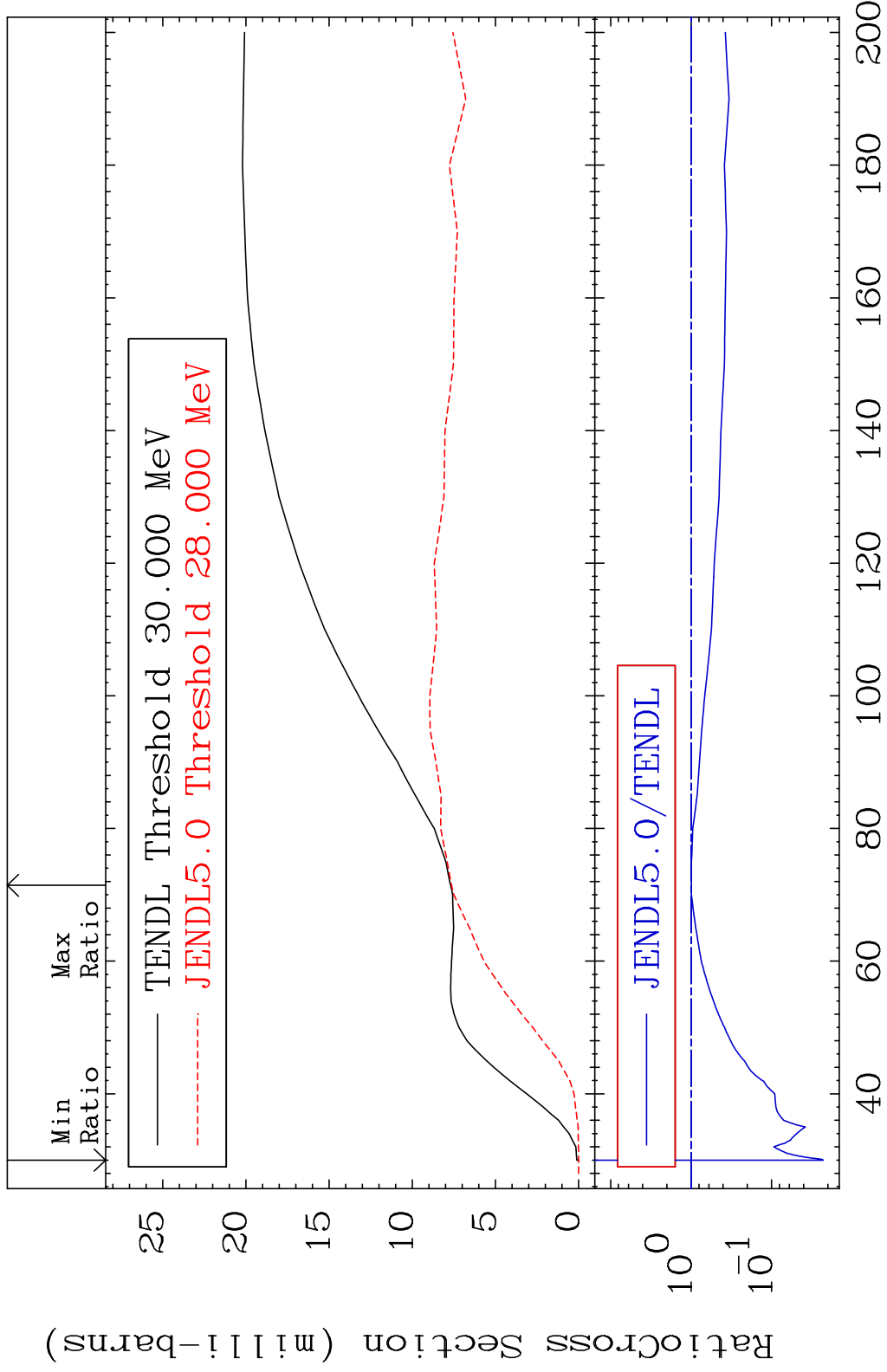


MAT 428

He-3 Production

4-Be-10

Cross Section -97.72 To -0.673%

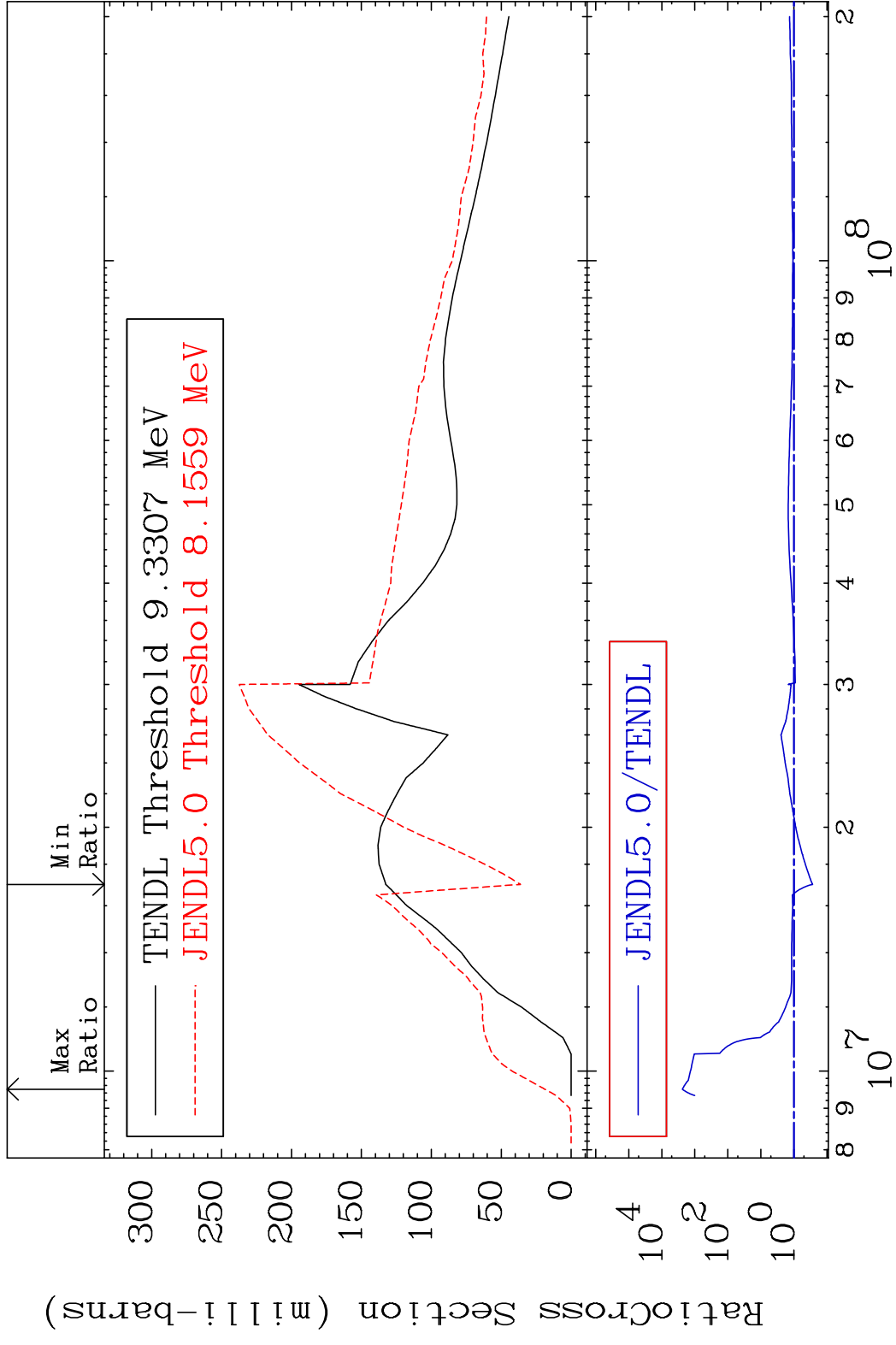


30

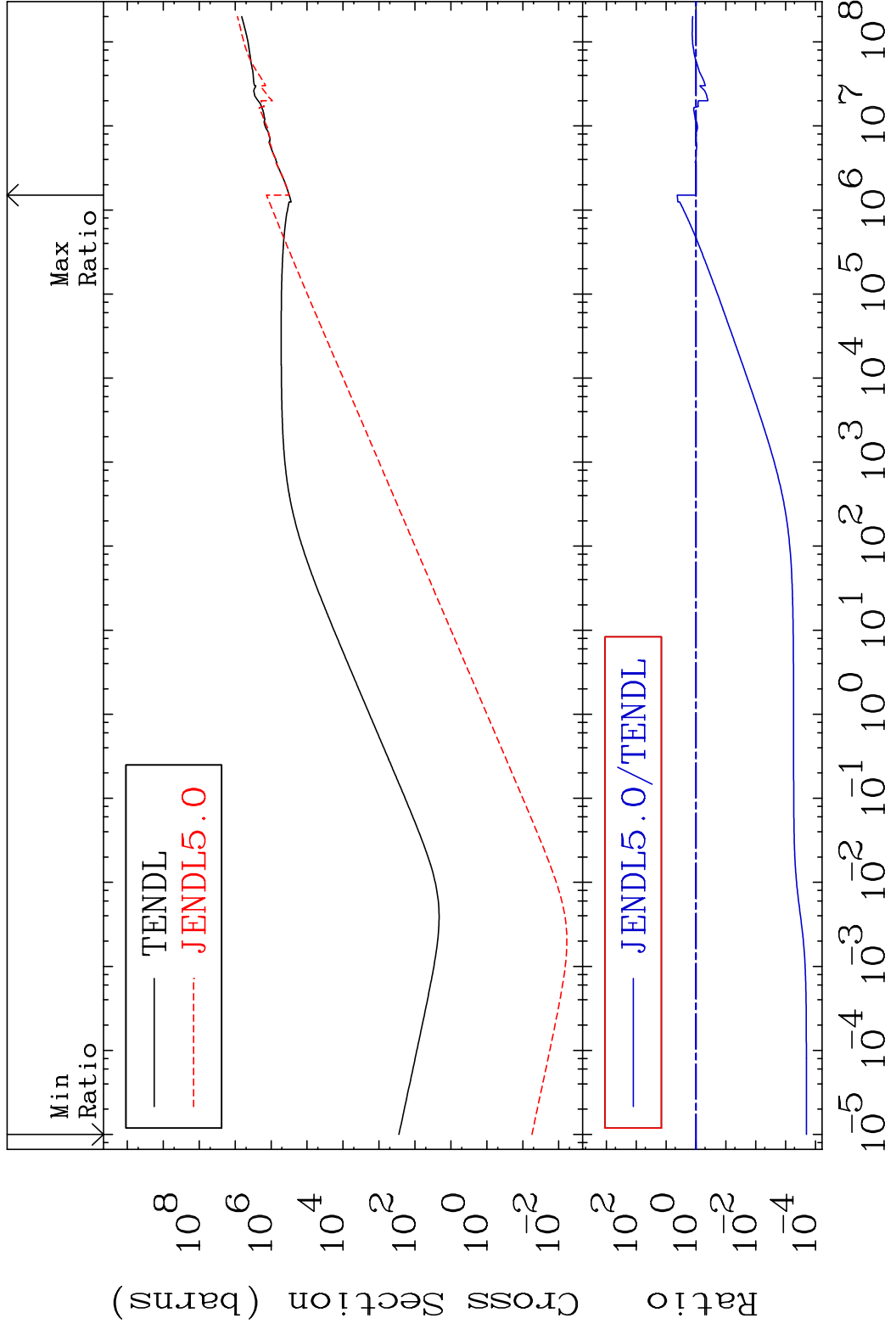
Incident Energy (MeV)

4-Be-10

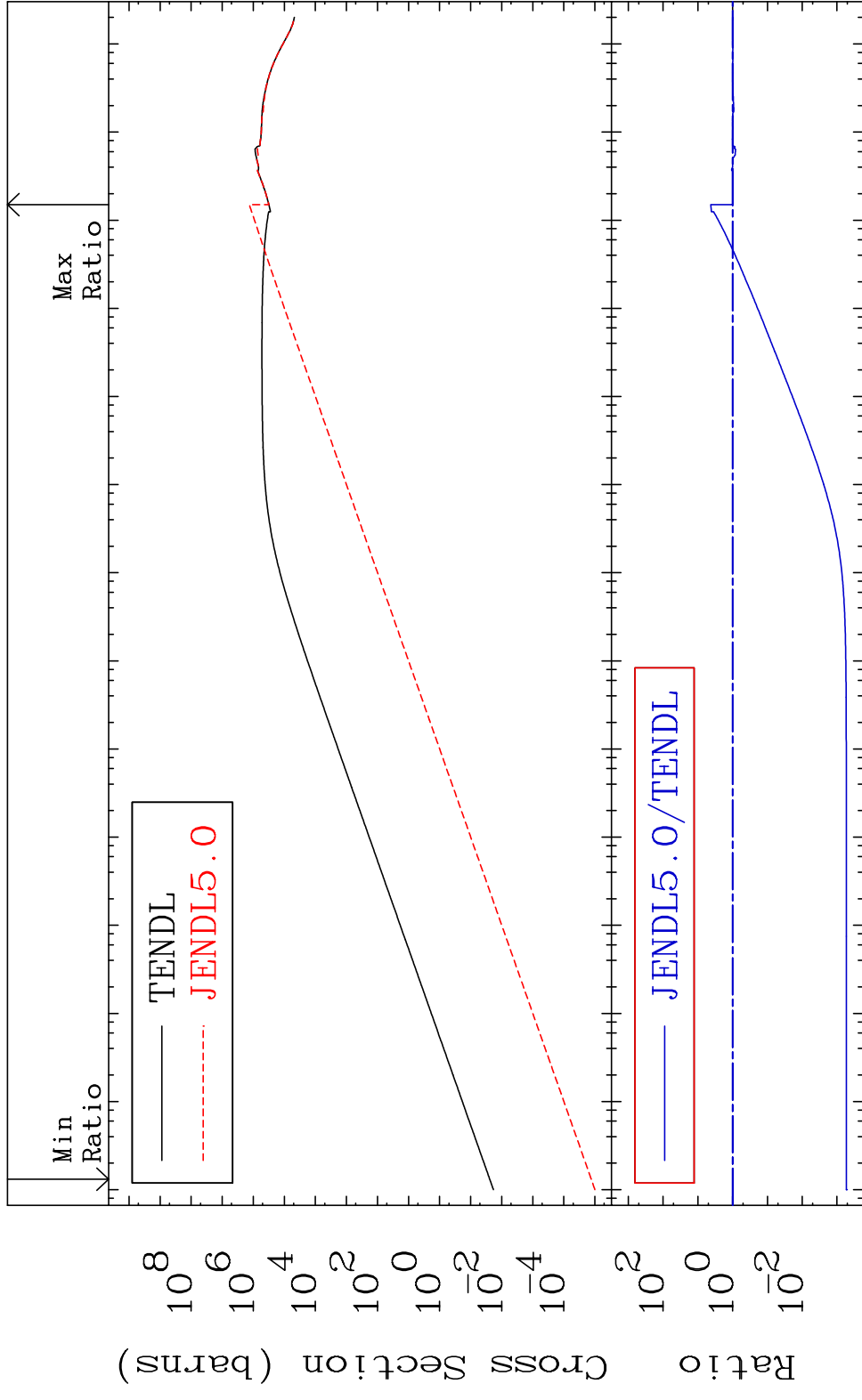
MAT 428 He-4 Production 4-Be-10  
 Cross Section -72.69 To 9999. %



MAT 428 Kerma total (eV-barns) 4-Be-10  
 Cross Section -99.98 To 327.5 %



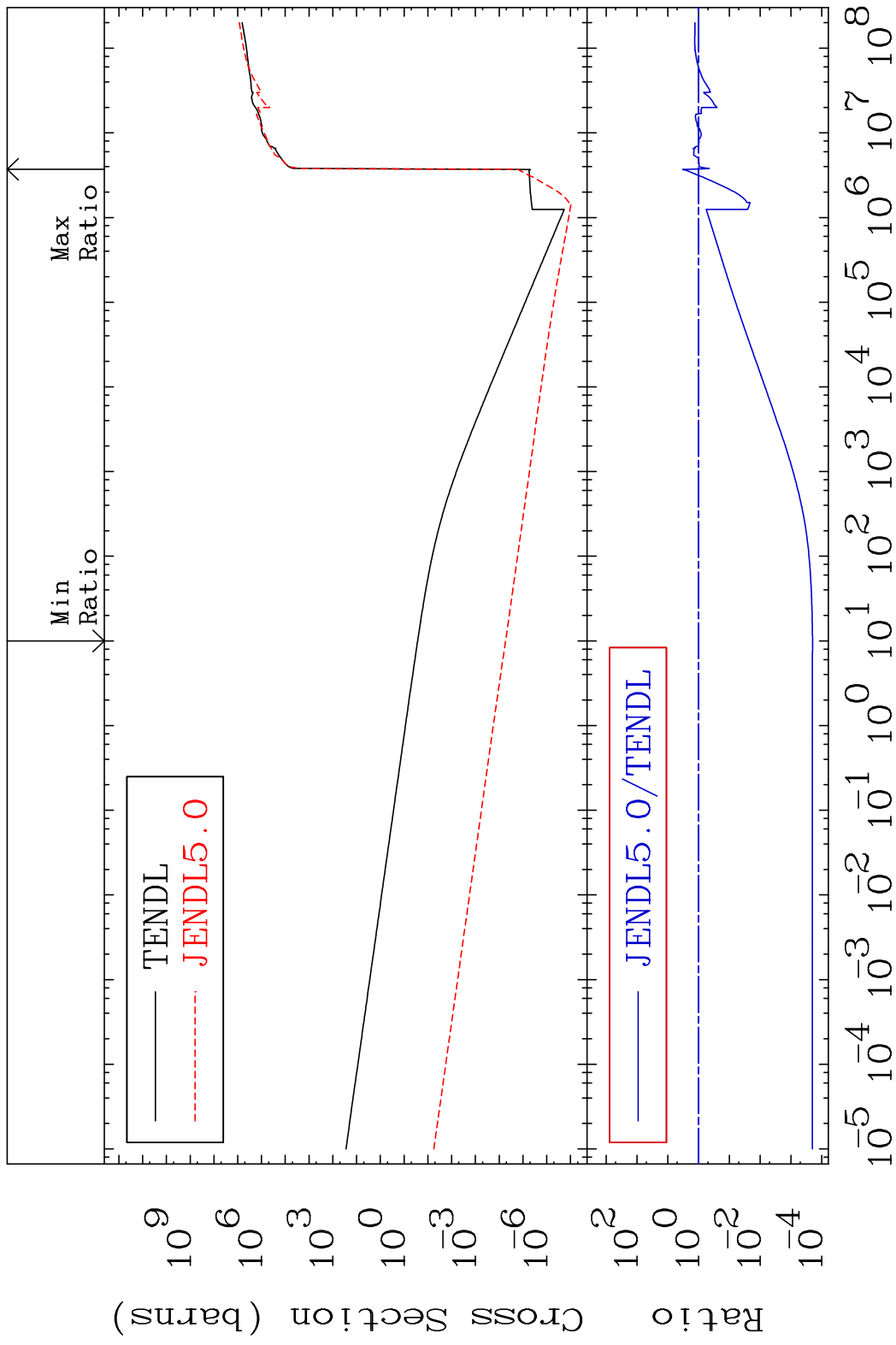
MAT 428 Kerma elastic Cross Section -99.95 To 327.5 % 4-Be-10



10<sup>8</sup> 10<sup>6</sup> 10<sup>4</sup> 10<sup>2</sup> 10<sup>0</sup> 10<sup>-2</sup> 10<sup>-4</sup> 10<sup>-6</sup> 10<sup>-8</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>

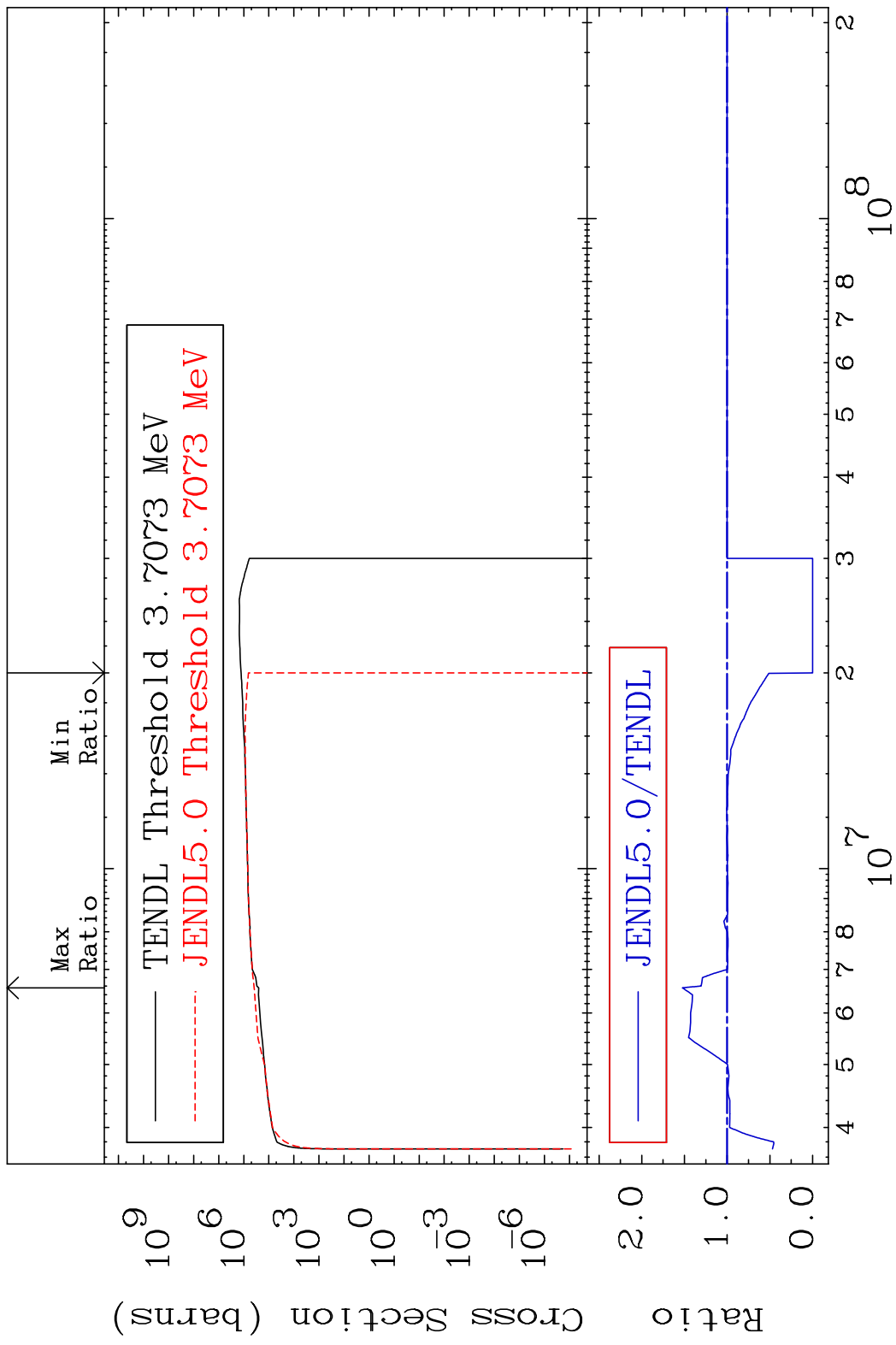
33 Incident Energy (eV) 4-Be-10

MAT 428 Kerma non-elastic (all but mt2) 4-Be-10  
 Cross Section -99.98 To 238.1 %

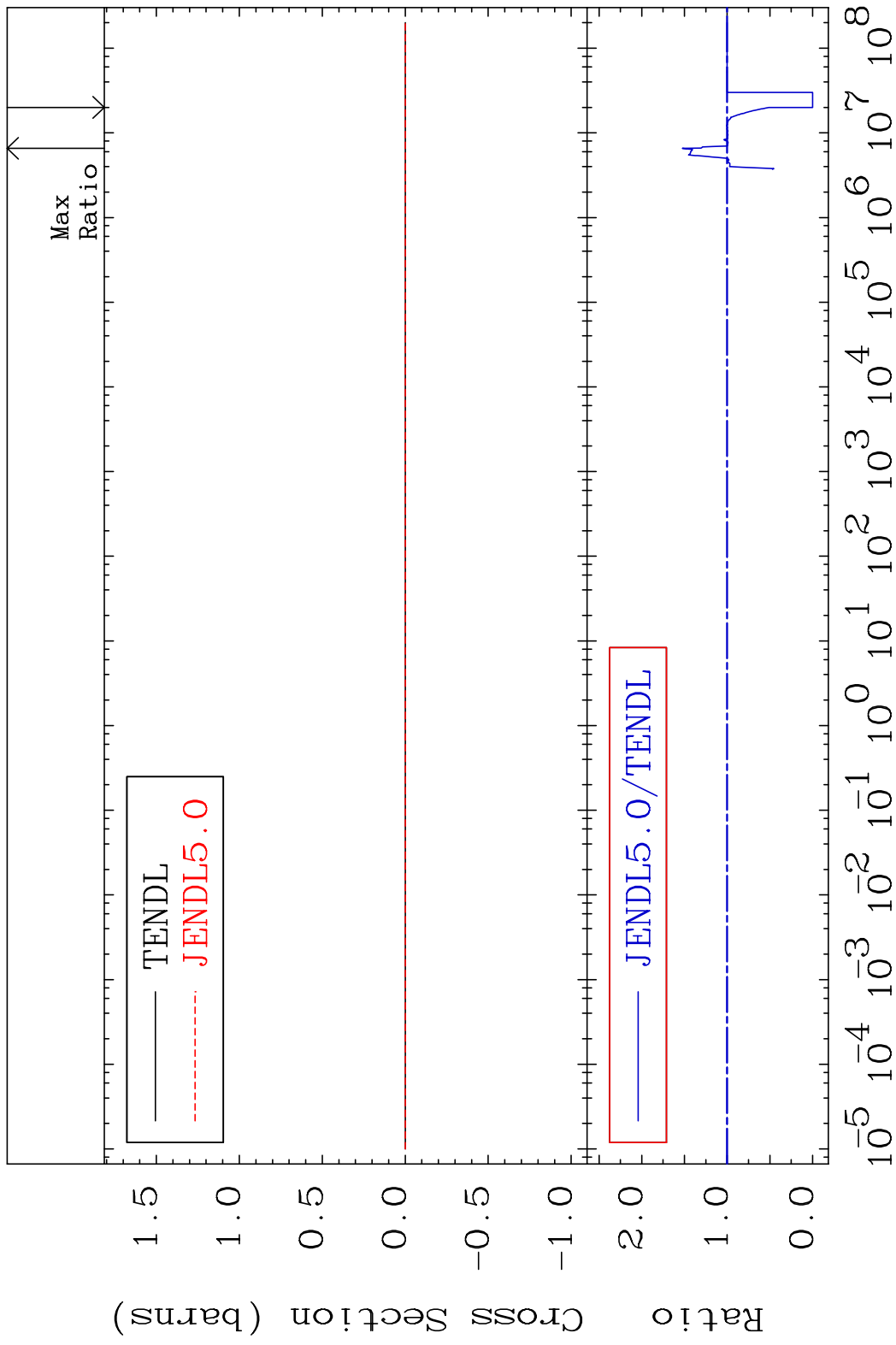


34 Incident Energy (eV) 4-Be-10

MAT 428 Kerma inelastic (mt51-91) 4-Be-10  
 Cross Section -100.0 To 52.45 %

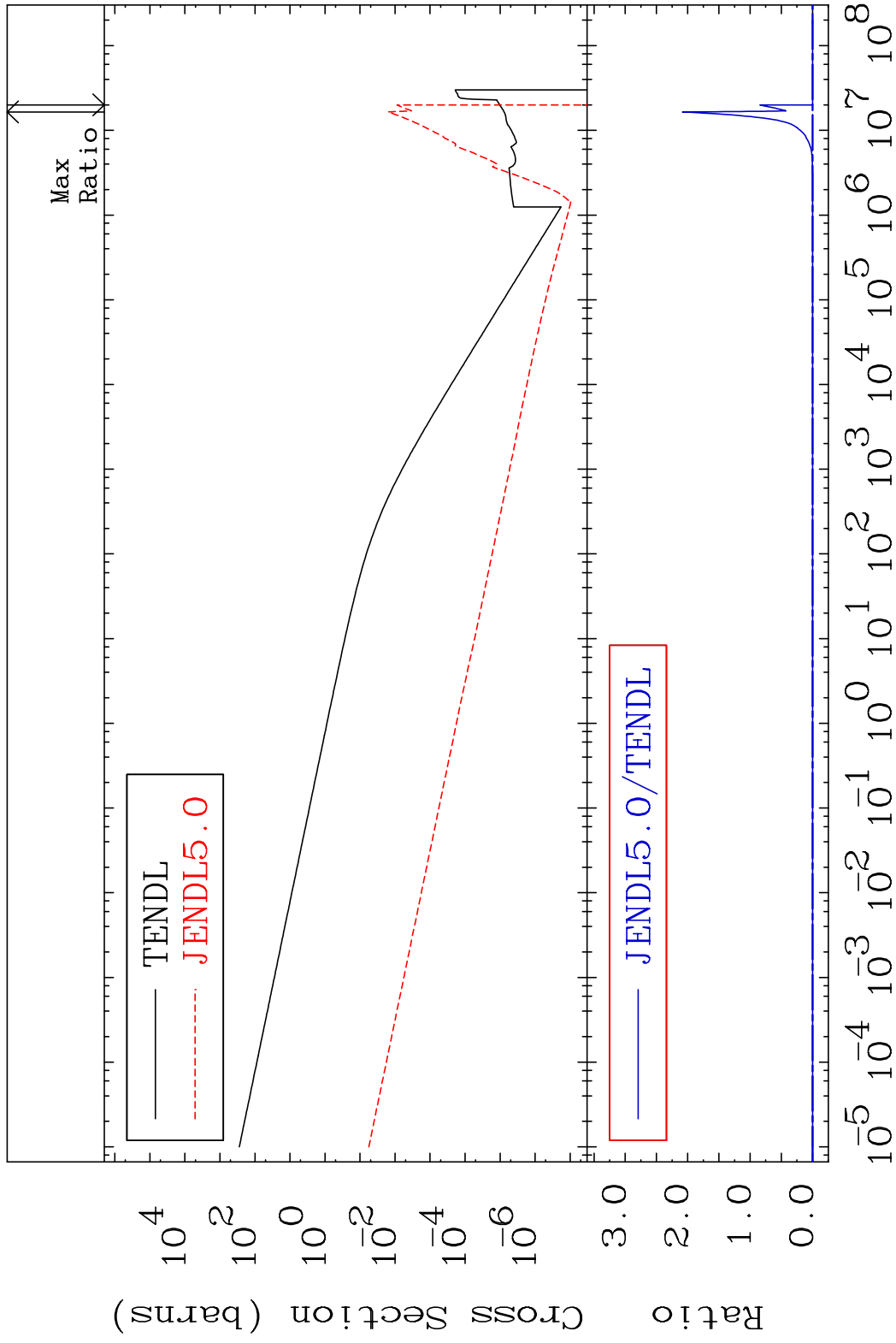


MAT 428 Kerma fission (mt18 or mt19-20-21-38) 4-Be-10  
 Cross Section -100.0 To 52.45 %



MAT 428

Kerma capture (mt102) 4-Be-10  
Cross Section -100.0 To 9999. %

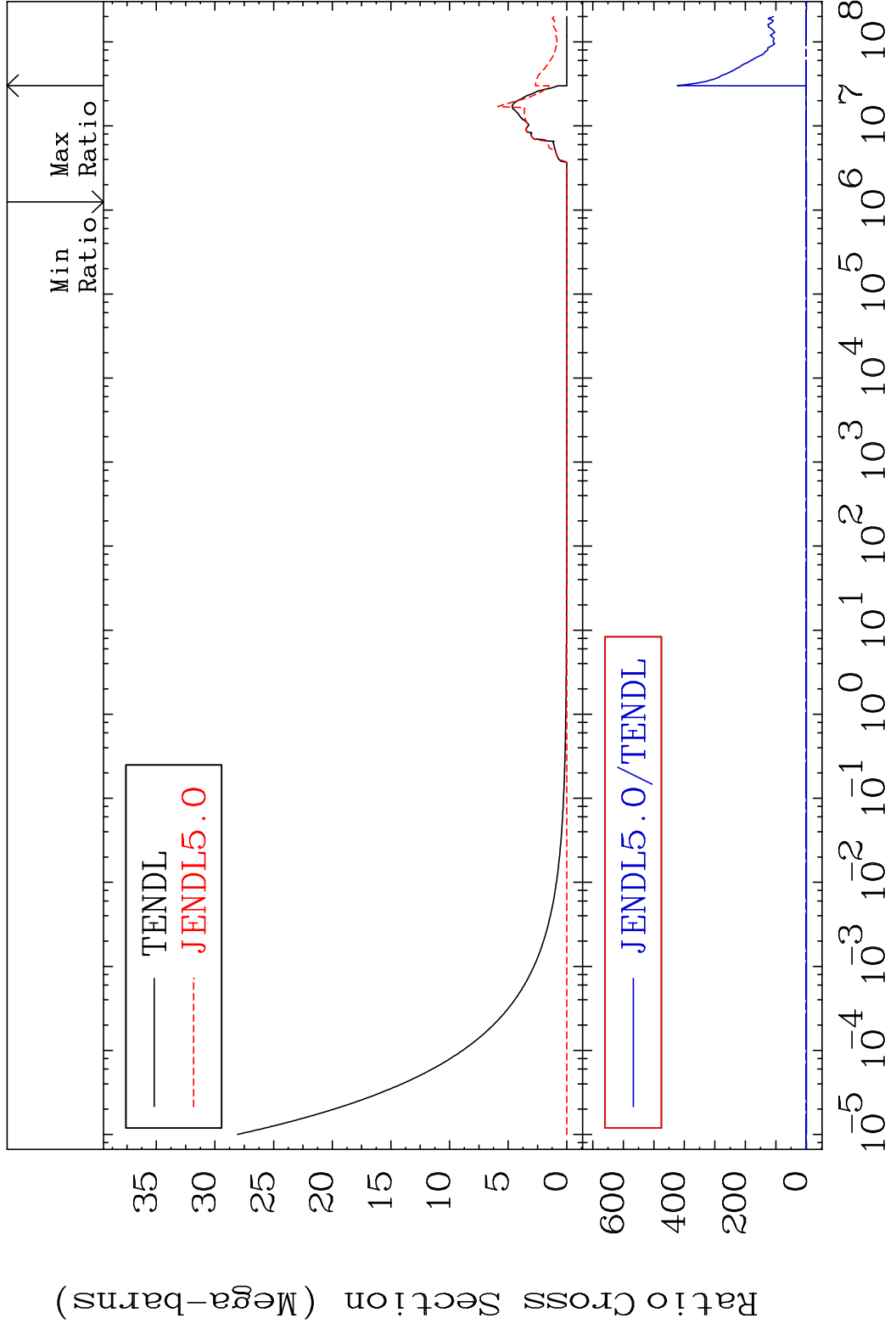


37

Incident Energy (eV)

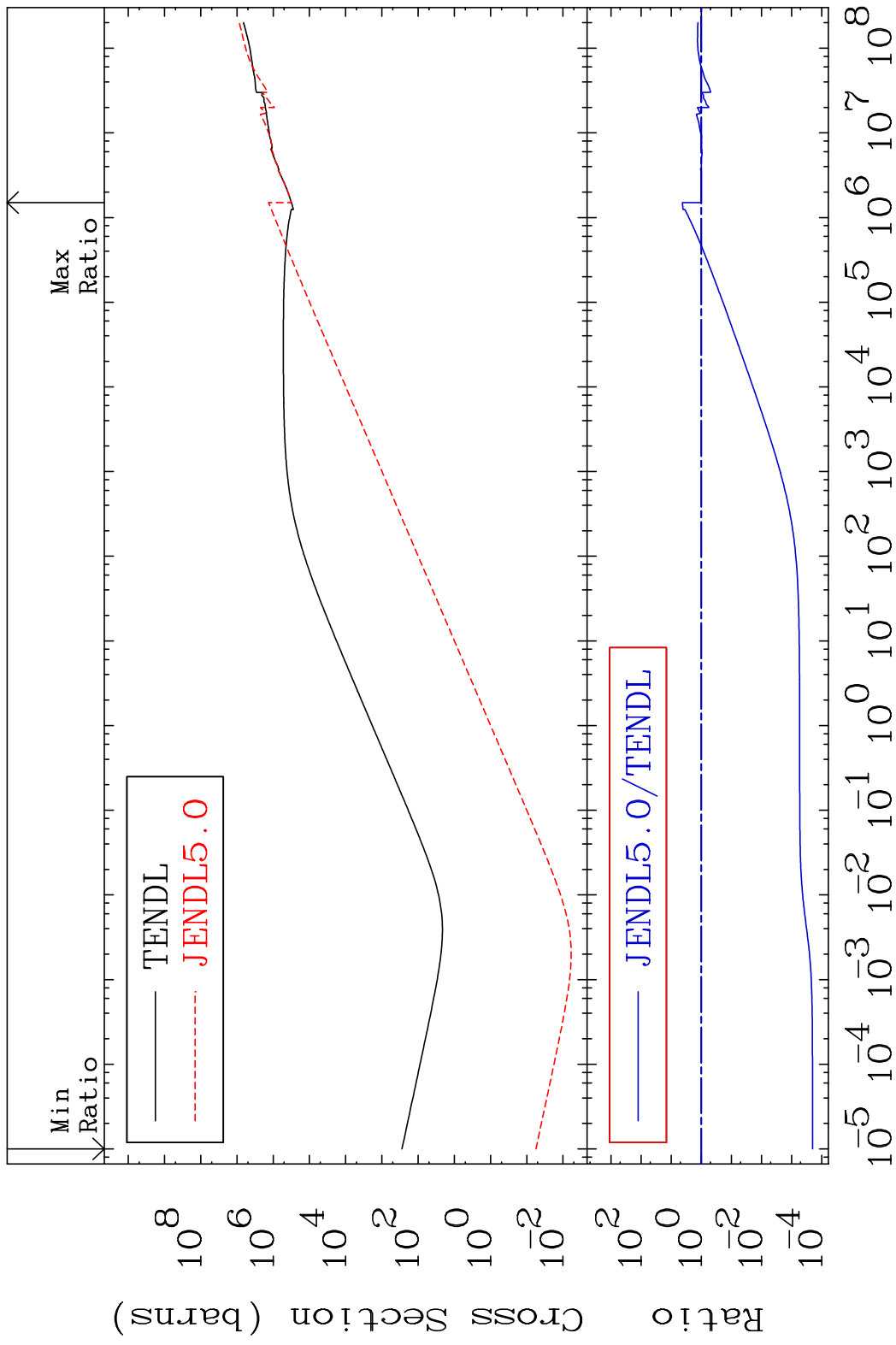
4-Be-10

MAT 428 Total photon (eV-barns) 4-Be-10  
 Cross Section -106.6 To 9999. %

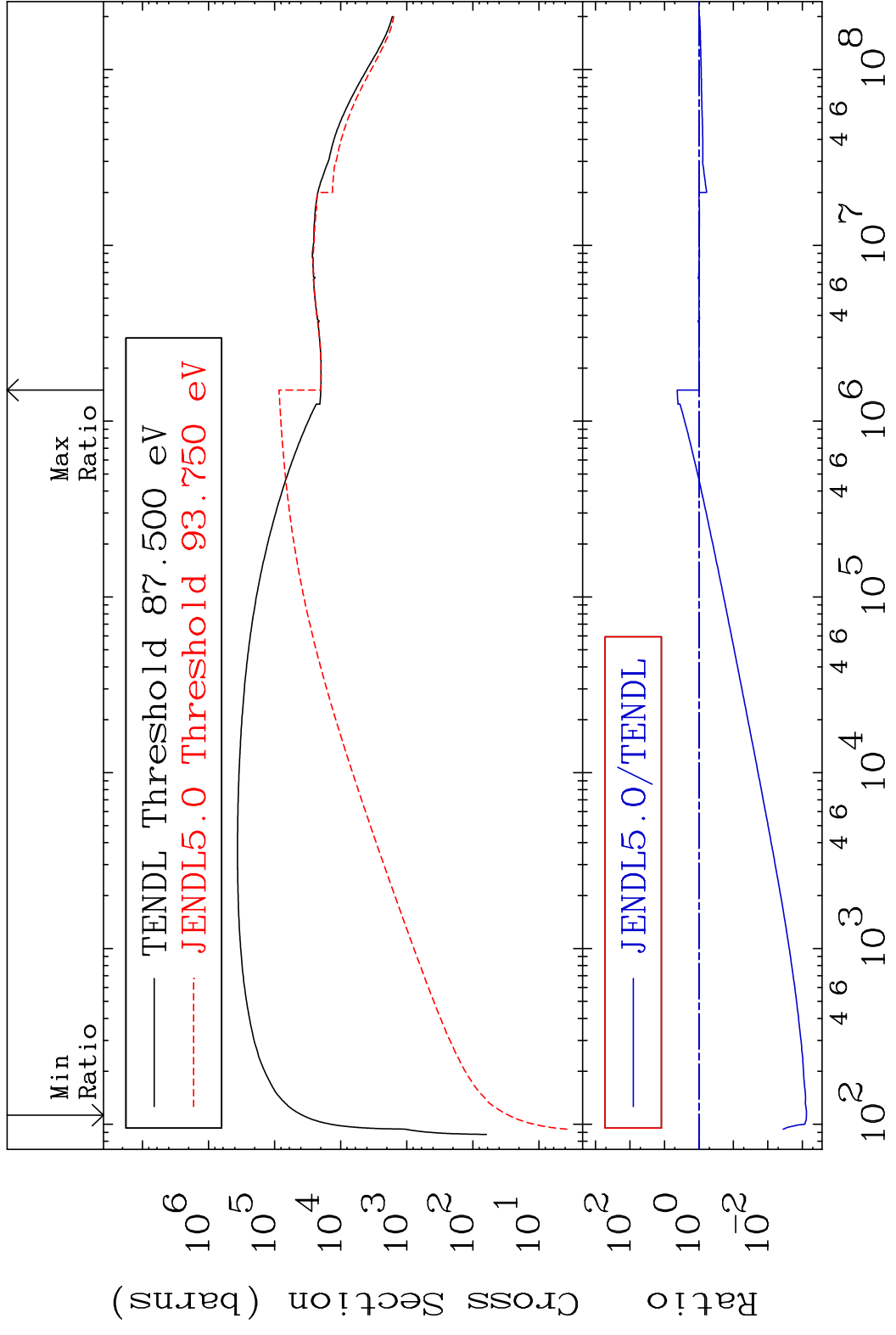


38 Incident Energy (eV) 4-Be-10

MAT 428 Total kinematic kerma (high limit) 4-Be-10  
 Cross Section -99.98 To 327.5 %

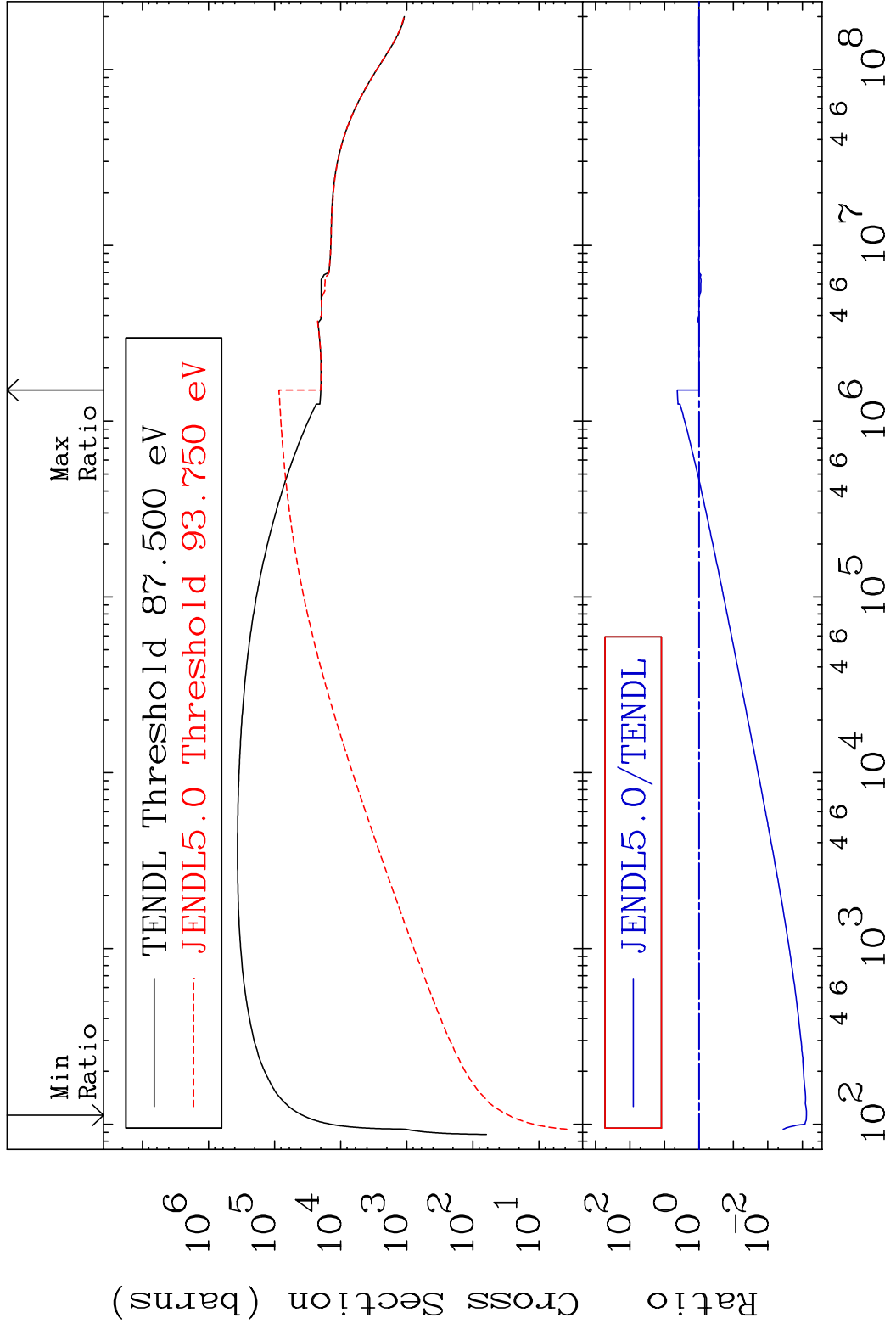


MAT 428      Dpa total (eV-barns)      4-Be-10  
 Cross Section      -99.92 To 327.0 %



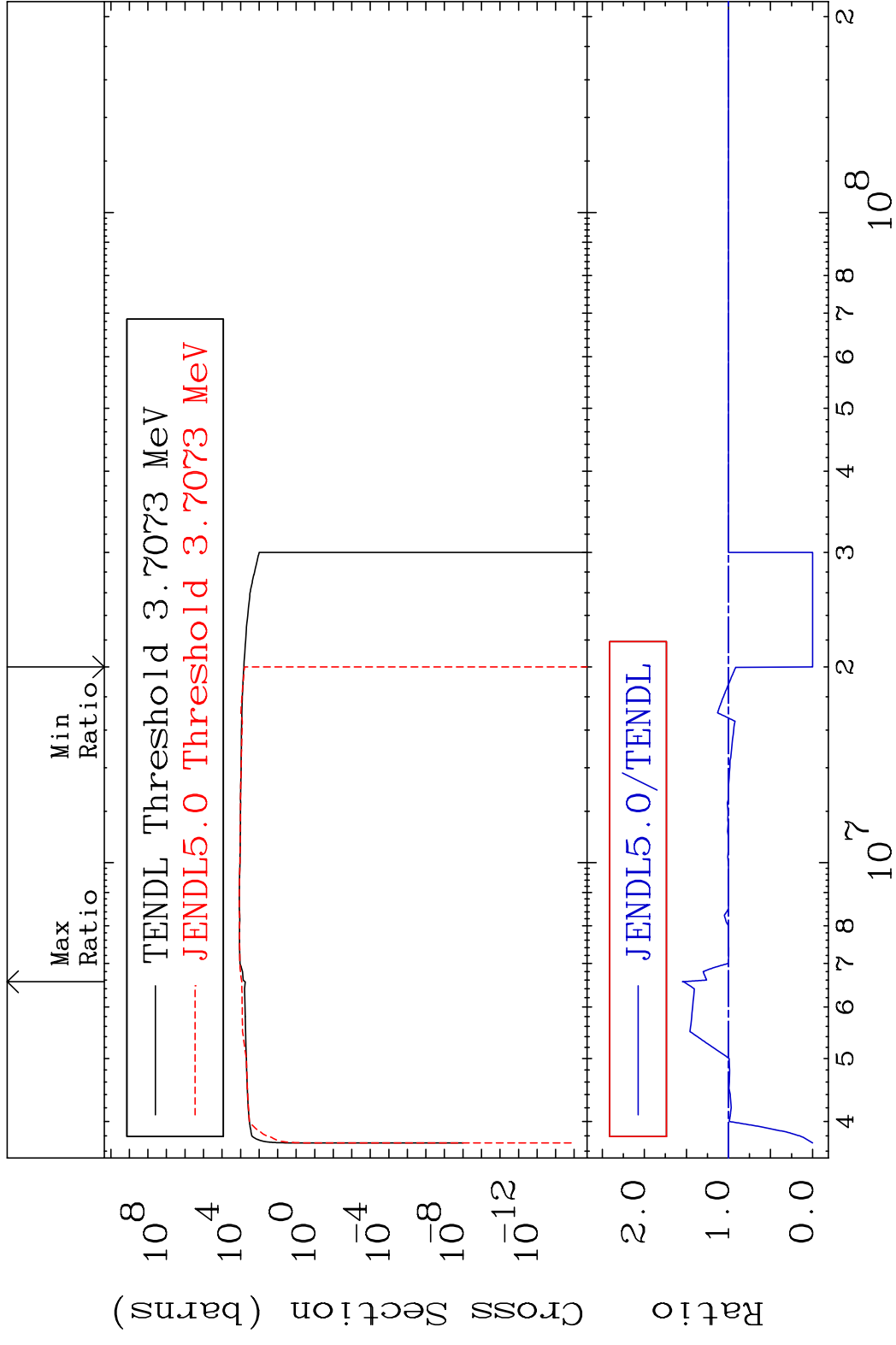
40      Incident Energy (eV)      4-Be-10

MAT 428 Dpa elastic (mt2) 4-Be-10  
 Cross Section -99.92 To 327.0 %



41 Incident Energy (eV) 4-Be-10

MAT 428 Dpa inelastic (mt51-91) 4-Be-10  
 Cross Section -100.0 To 54.82 %



MAT 428 Dpa disappearance (mt102 -120) 4-Be-10  
 Cross Section -100.0 To 9999. %

