

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

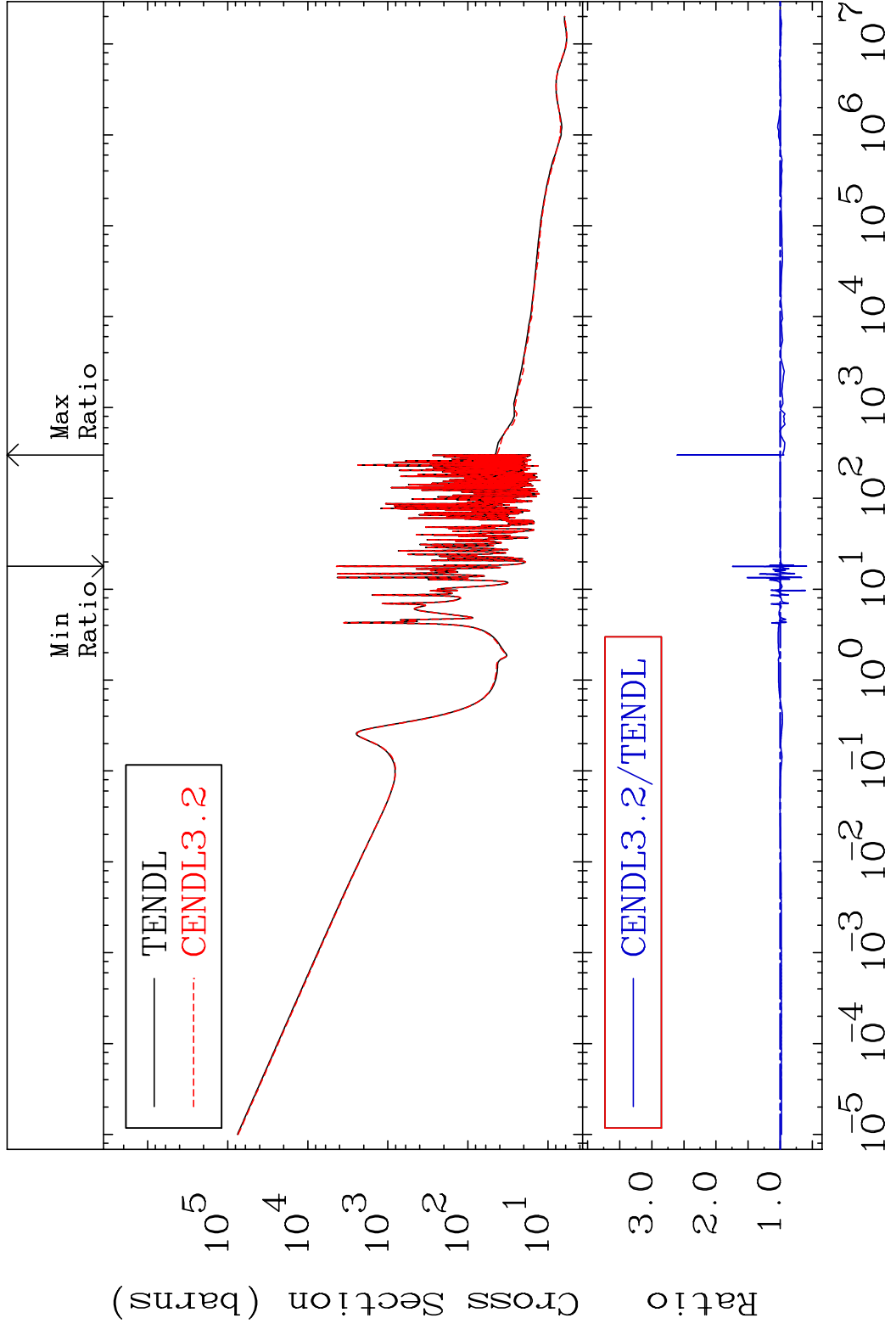
Tele: 925-443-1911

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 9443

Total Cross Section -40.78 To 160.5 %  
94-Pu-241



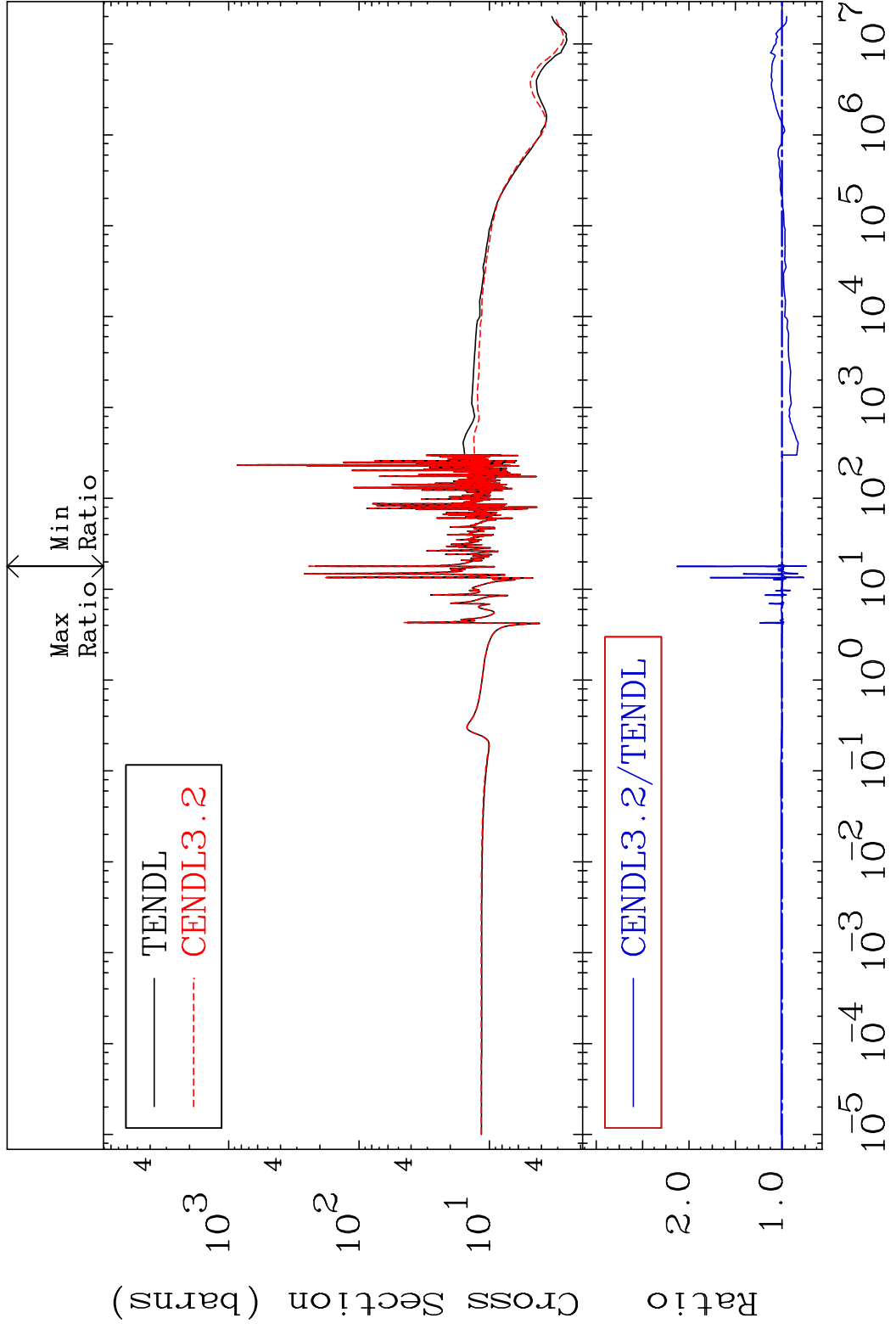
1 Incident Energy (eV) 94-Pu-241

MAT 9443

Elastic

94-Pu-241

Cross Section -26.39 To 112.8 %

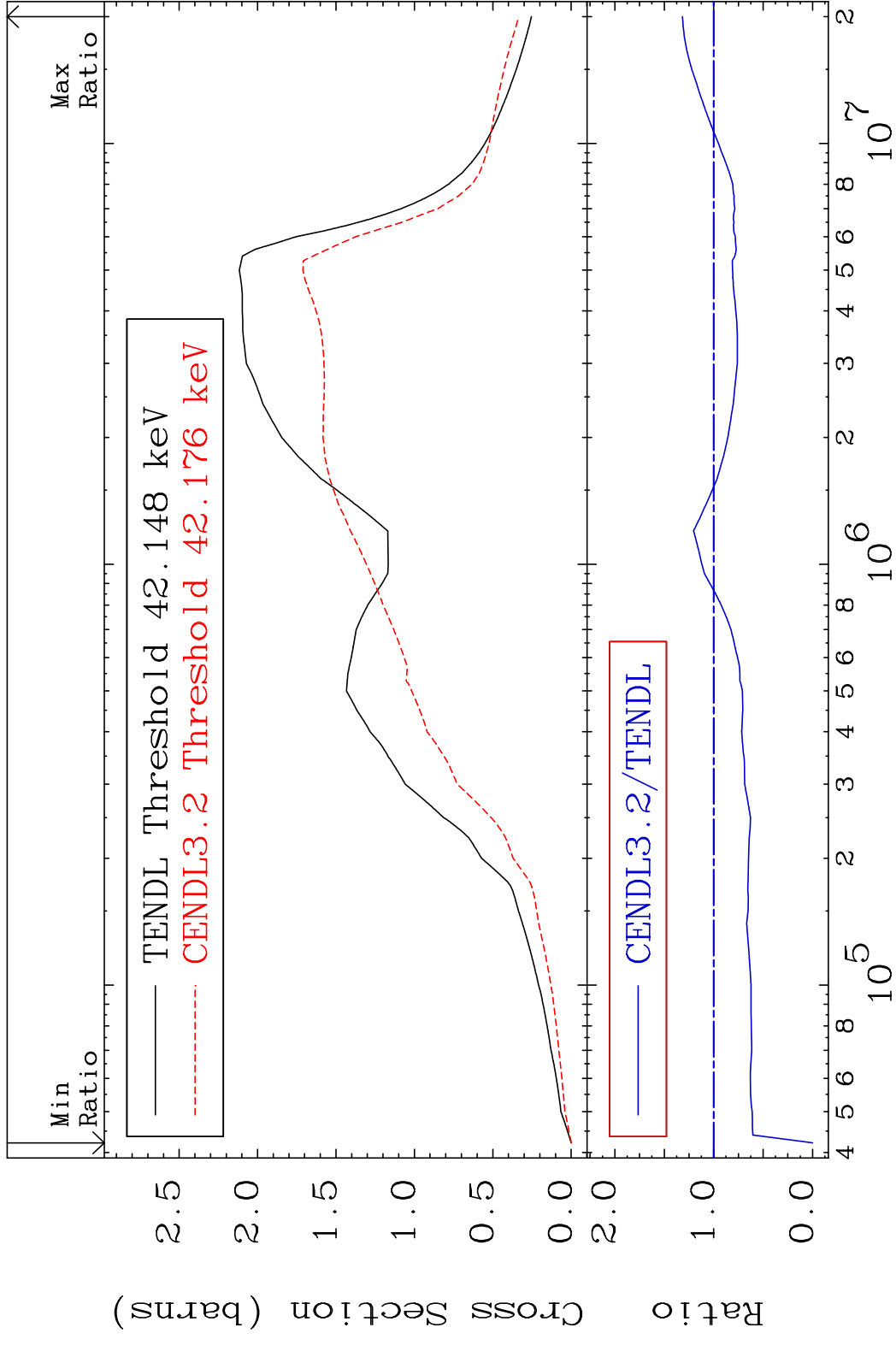


2

Incident Energy (eV)

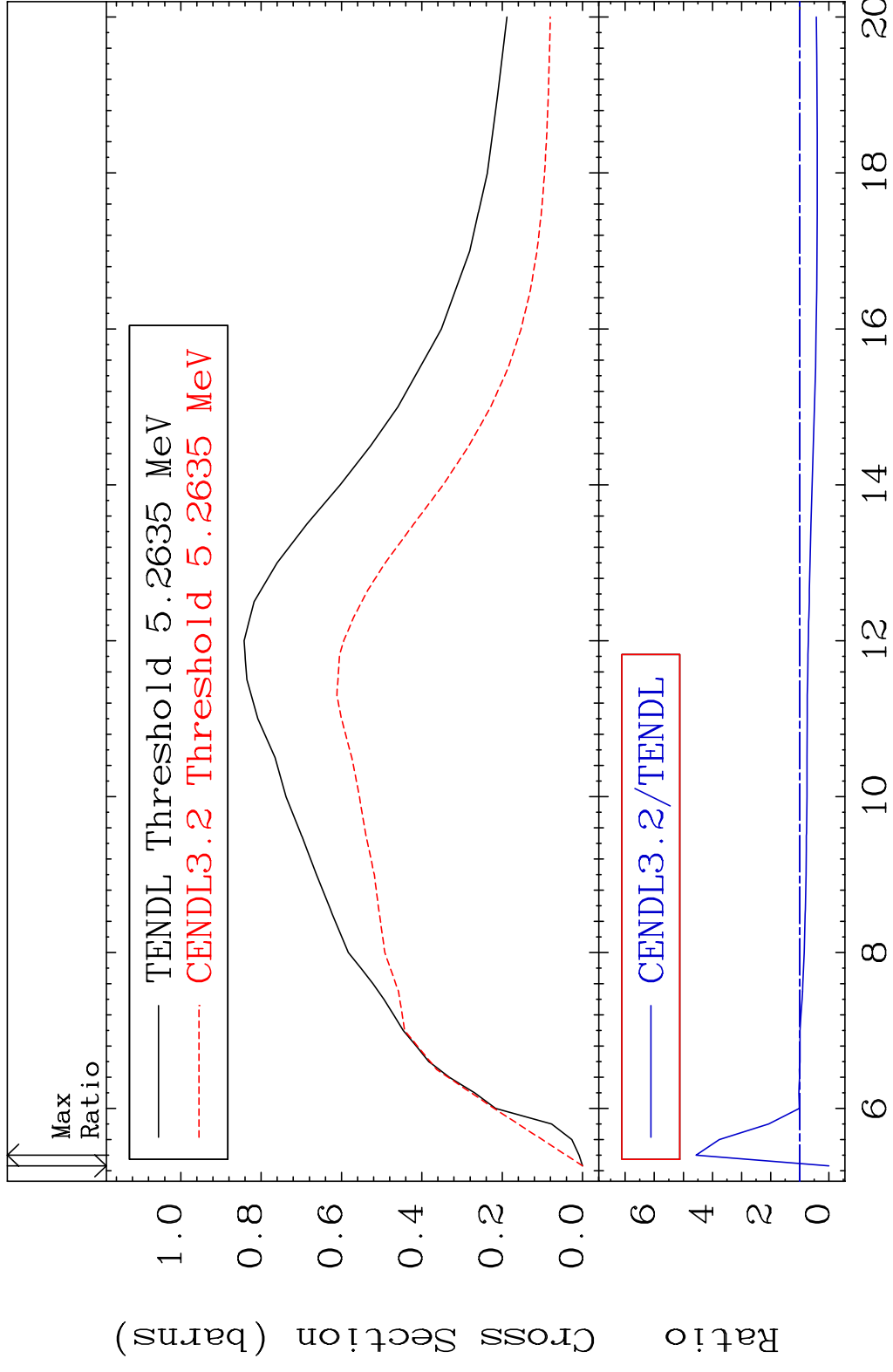
94-Pu-241

MAT 9443 Inelastic Cross Section -100.0 To 31.70 % 94-Pu-241



3 Incident Energy (eV) 94-Pu-241

MAT 9443 (n,2n) 94-Pu-241  
 Cross Section -100.0 To 356.6 %

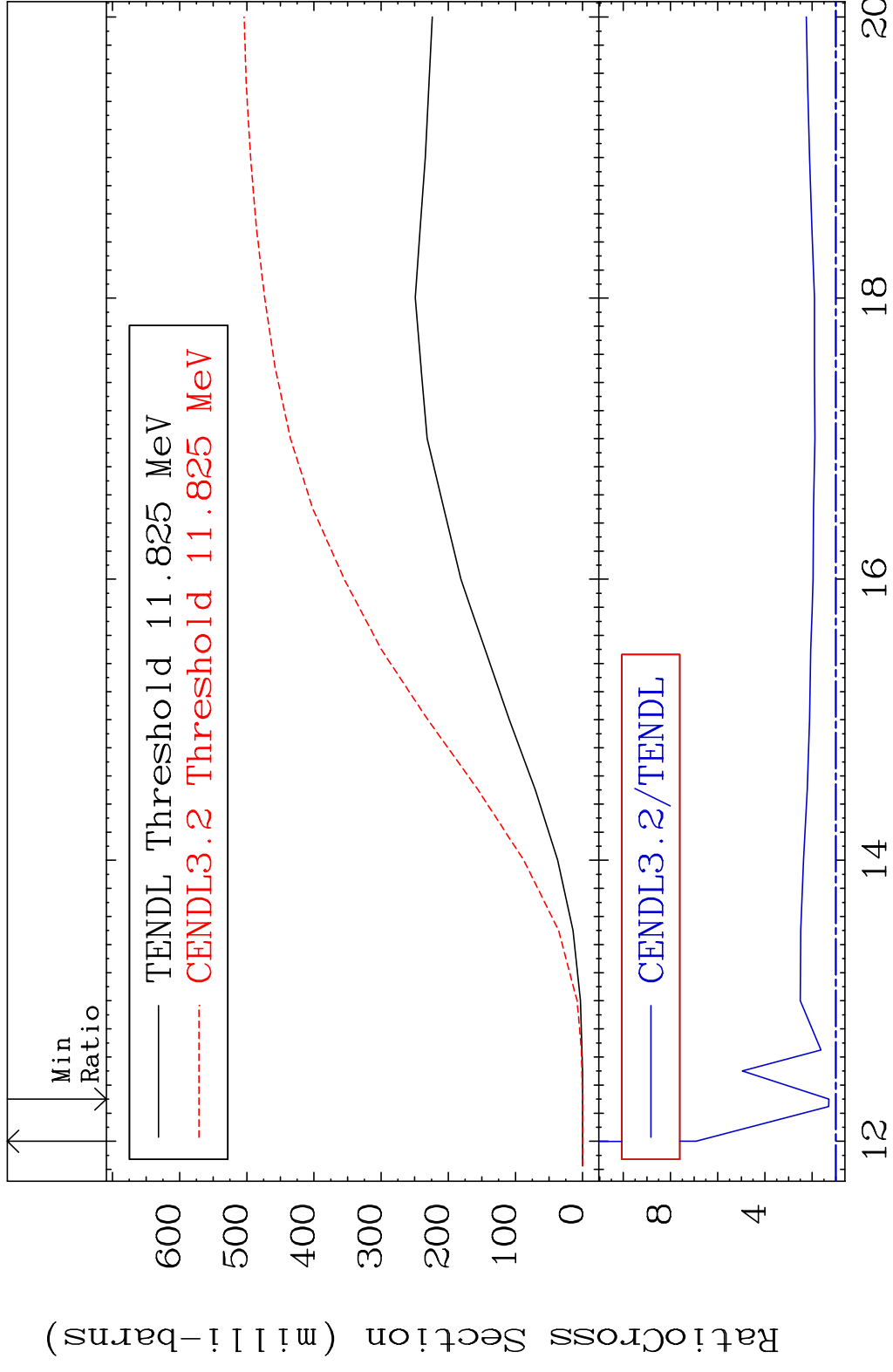


4 Incident Energy (MeV) 94-Pu-241

MAT 9443

(n,3n)

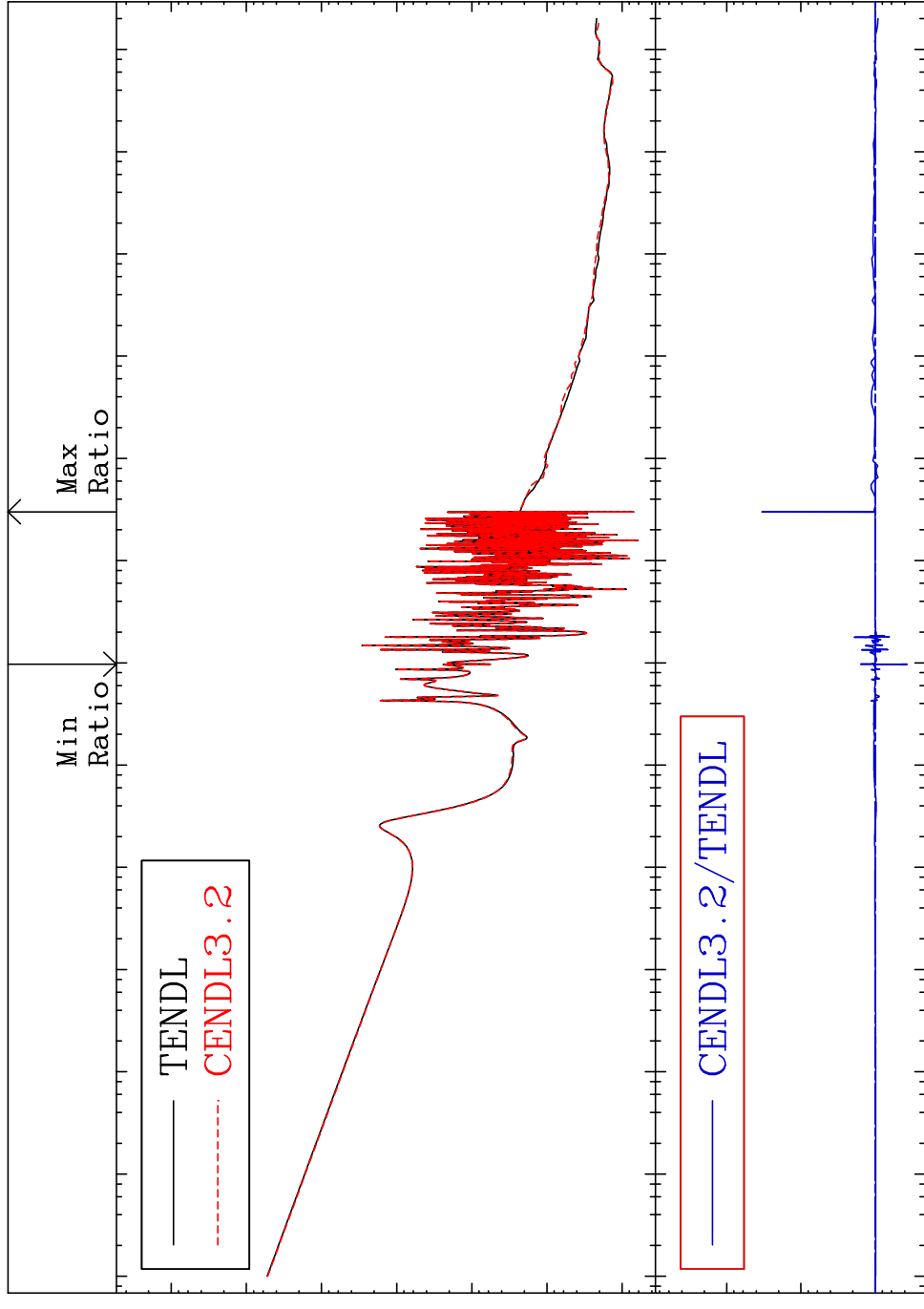
94-Pu-241  
Cross Section 29.33 To 591.9 %



MAT 9443

Fission  
Cross Section -63.02 To 3259. %

94-Pu-241



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>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>

Cross Section (barns)

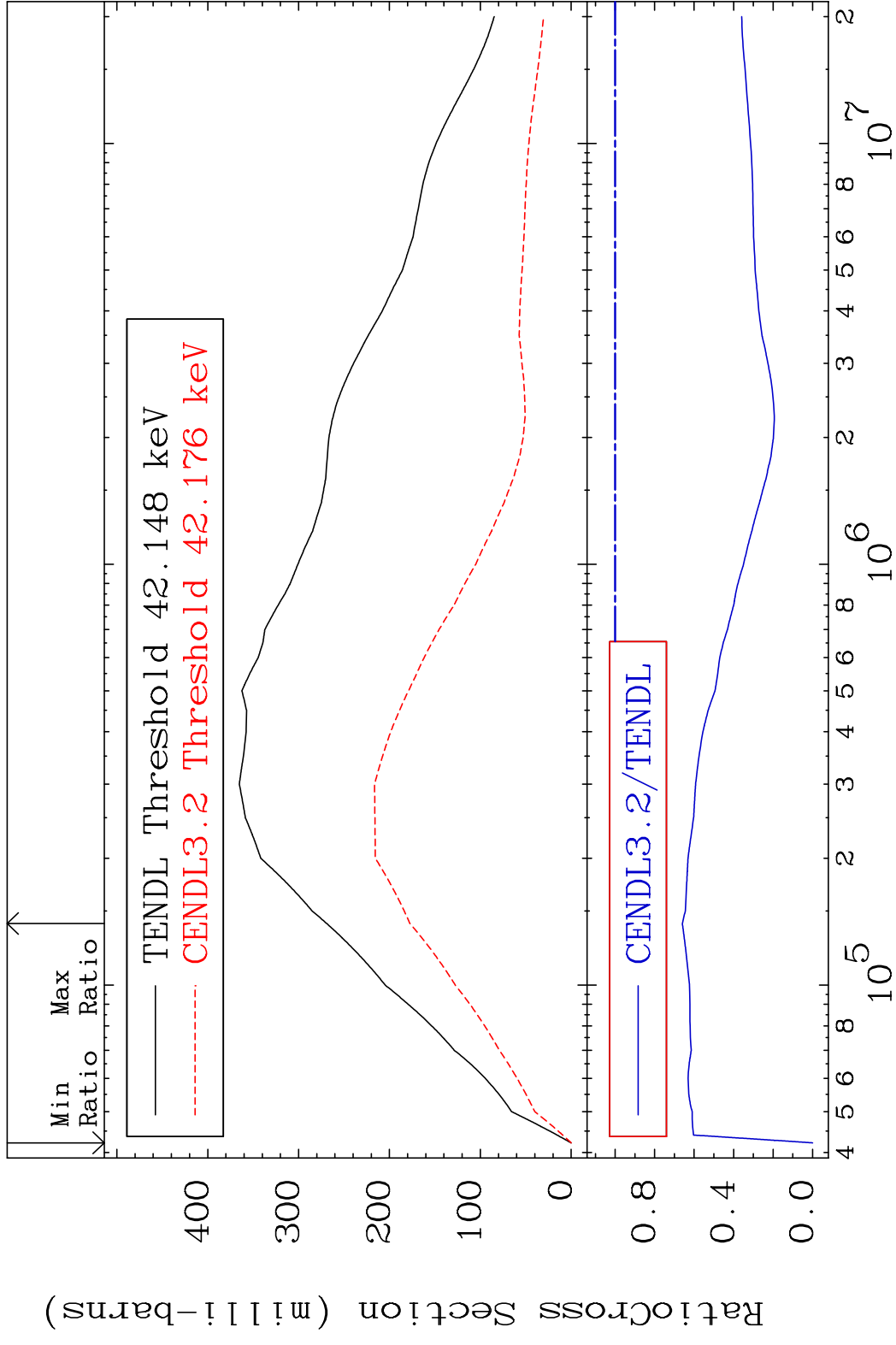
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup>

6

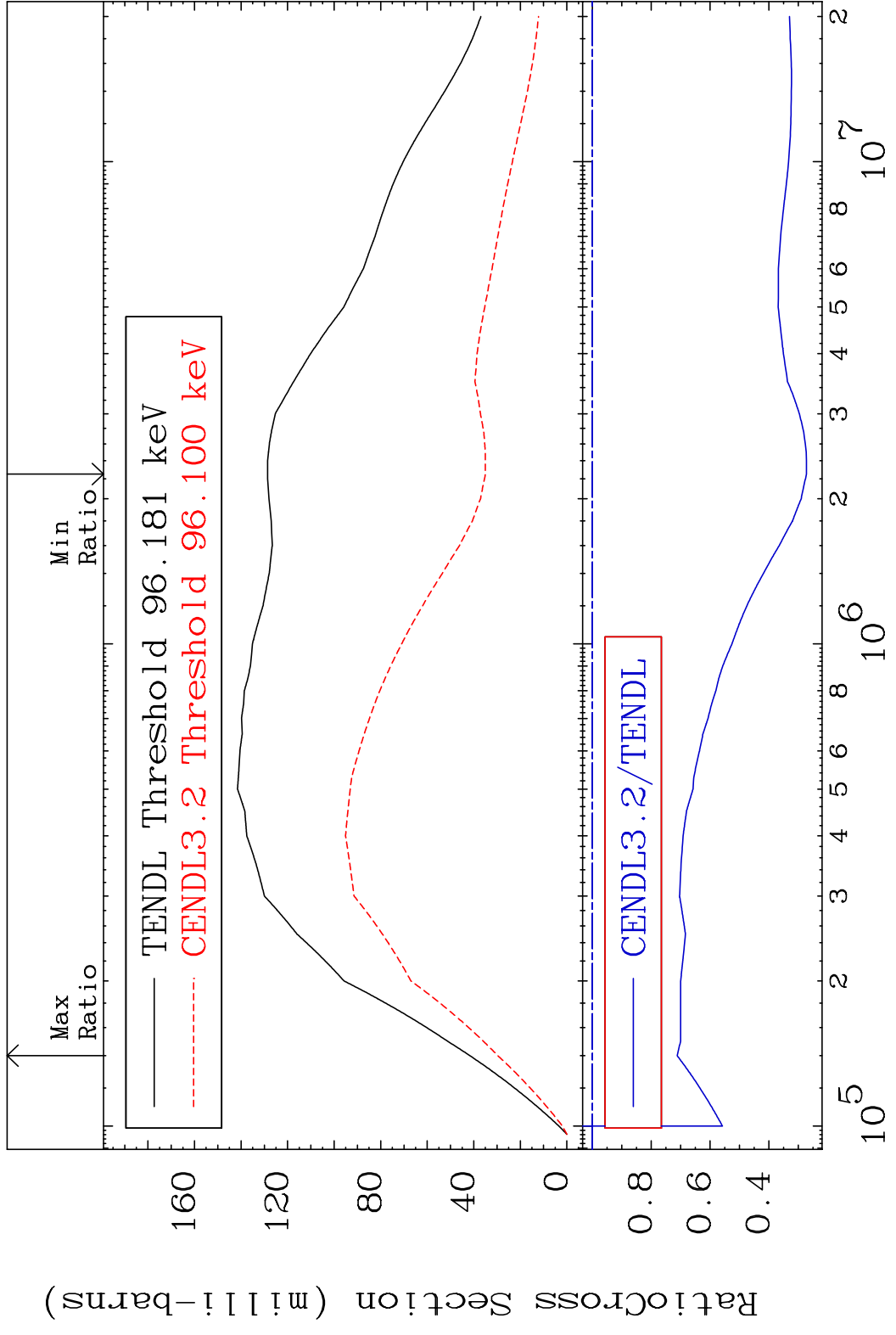
Incident Energy (eV)

94-Pu-241

MAT 9443 MT= 51 (n, n') Level 94-Pu-241  
 Cross Section -100.0 To -34.05%

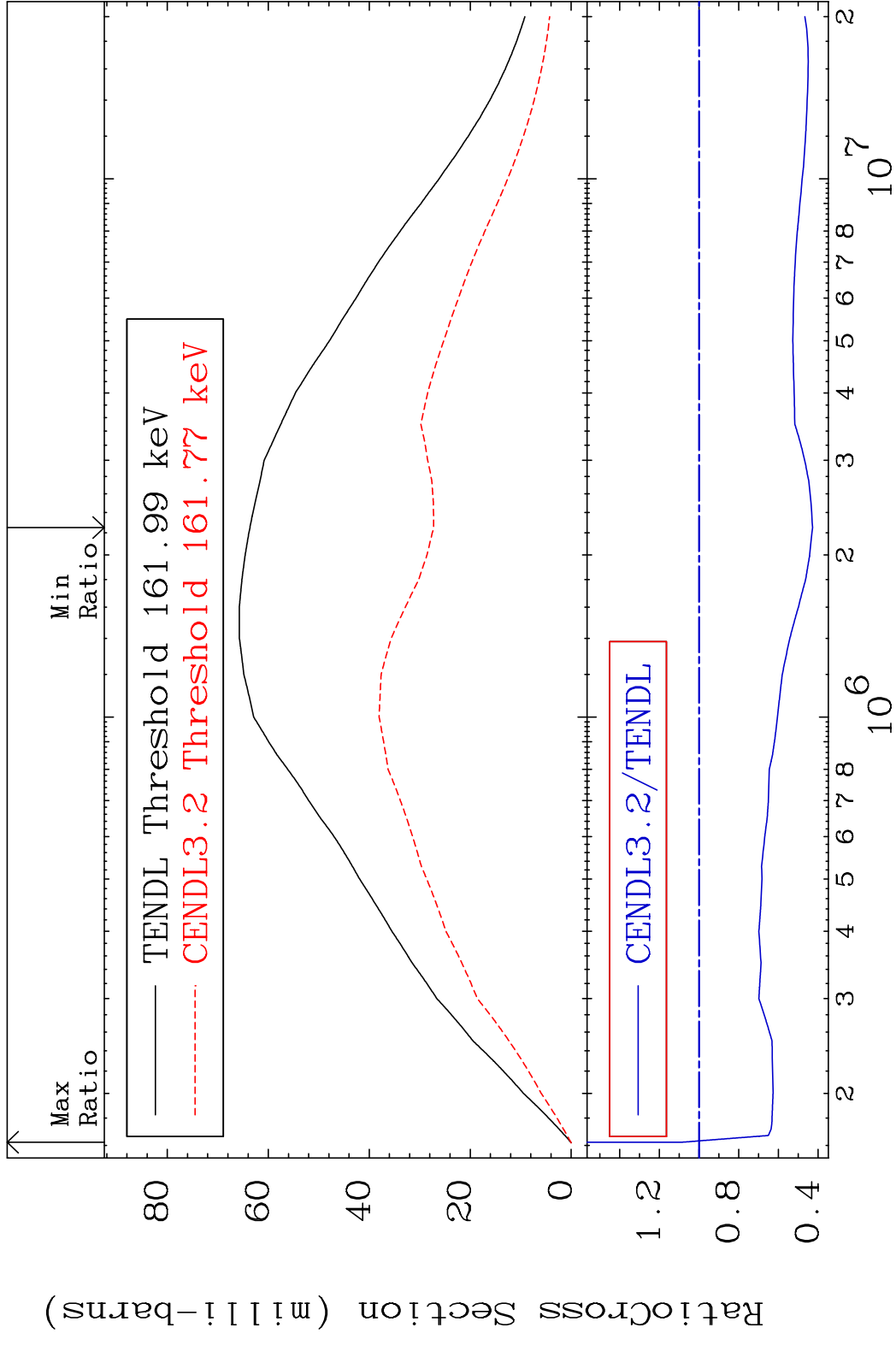


MAT 9443 MT= 52 (n, n') Level 94-Pu-241  
 Cross Section -72.78 To -28.84%

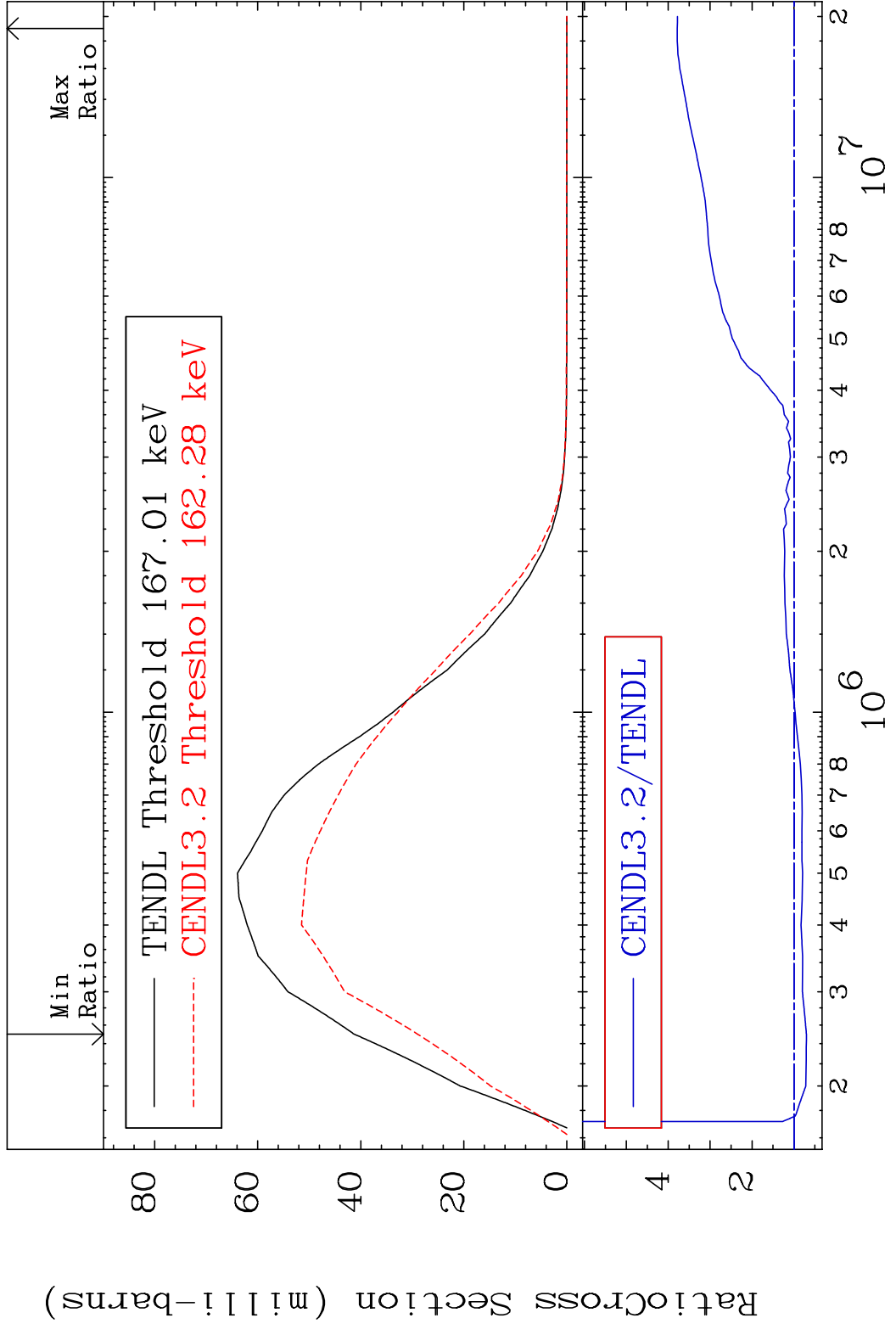


8 Incident Energy (eV) 94-Pu-241

MAT 9443 MT= 53 (n, n') Level 94-Pu-241  
 Cross Section -57.19 To 8.437 %

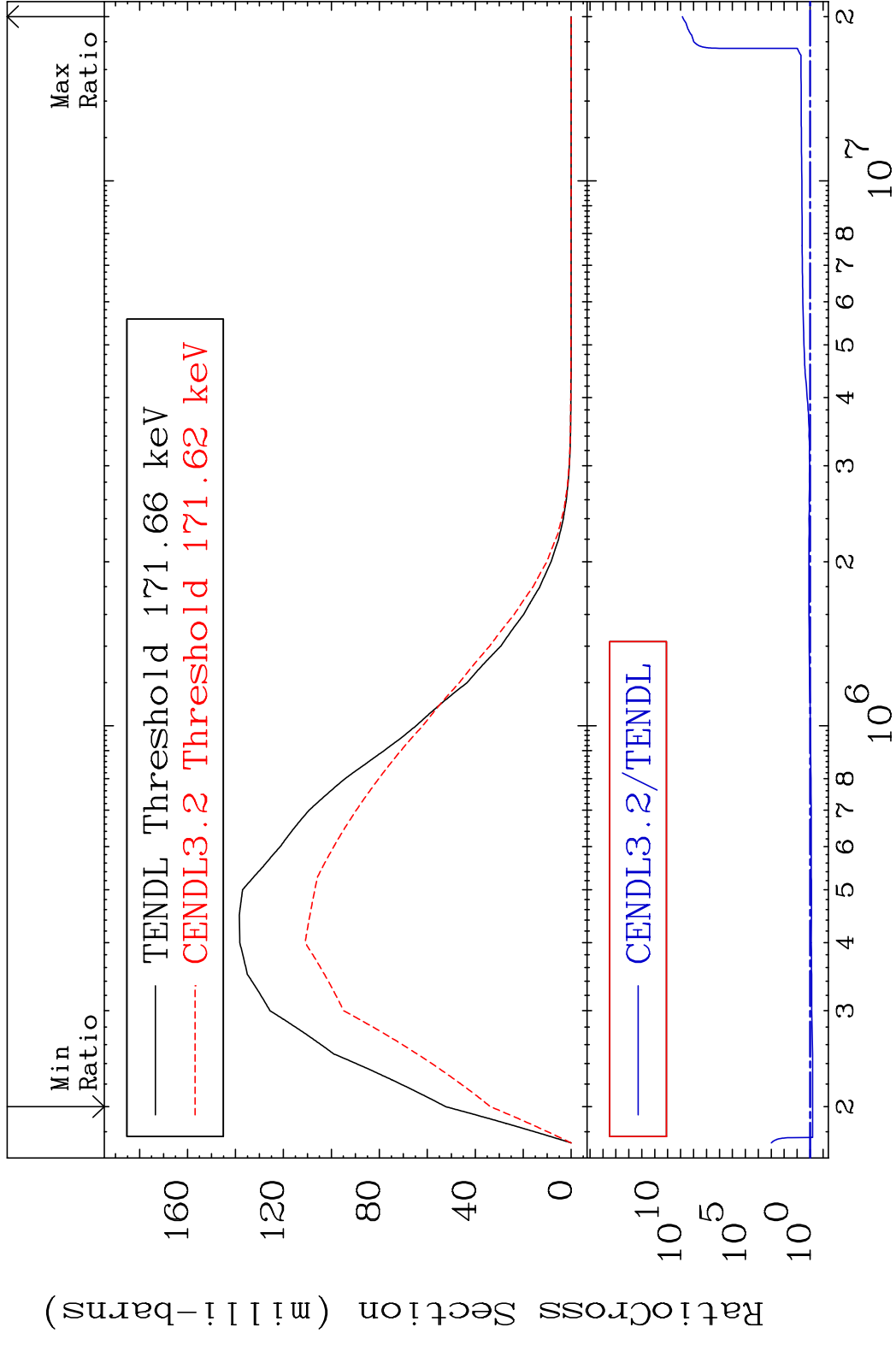


MAT 9443 MT= 54 (n, n') Level 94-Pu-241  
 Cross Section -29.83 To 278.7 %

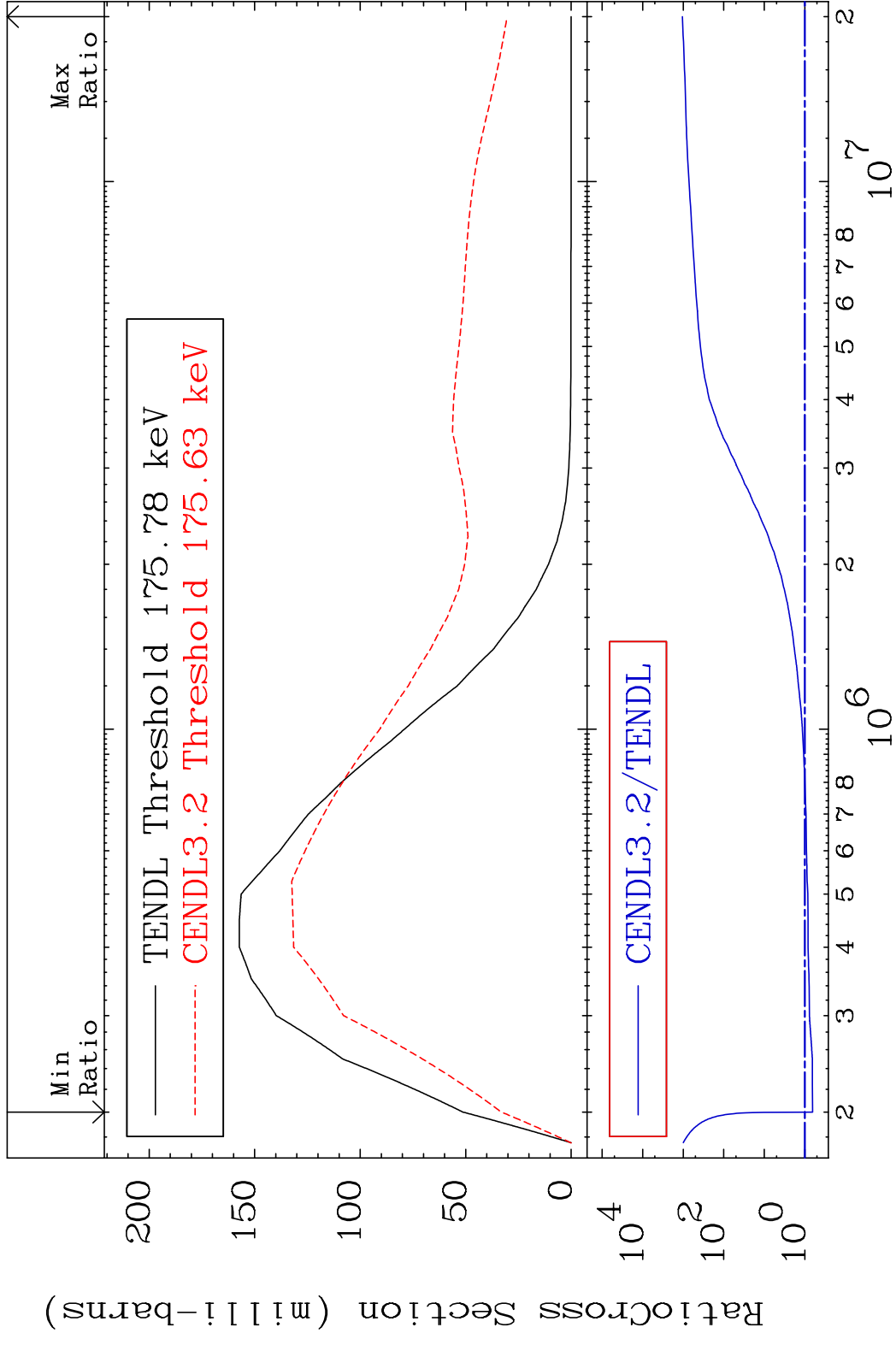


10 Incident Energy (eV) 94-Pu-241

MAT 9443 MT= 55 (n,n') Level 94-Pu-241  
 Cross Section -35.66 To 9999. %

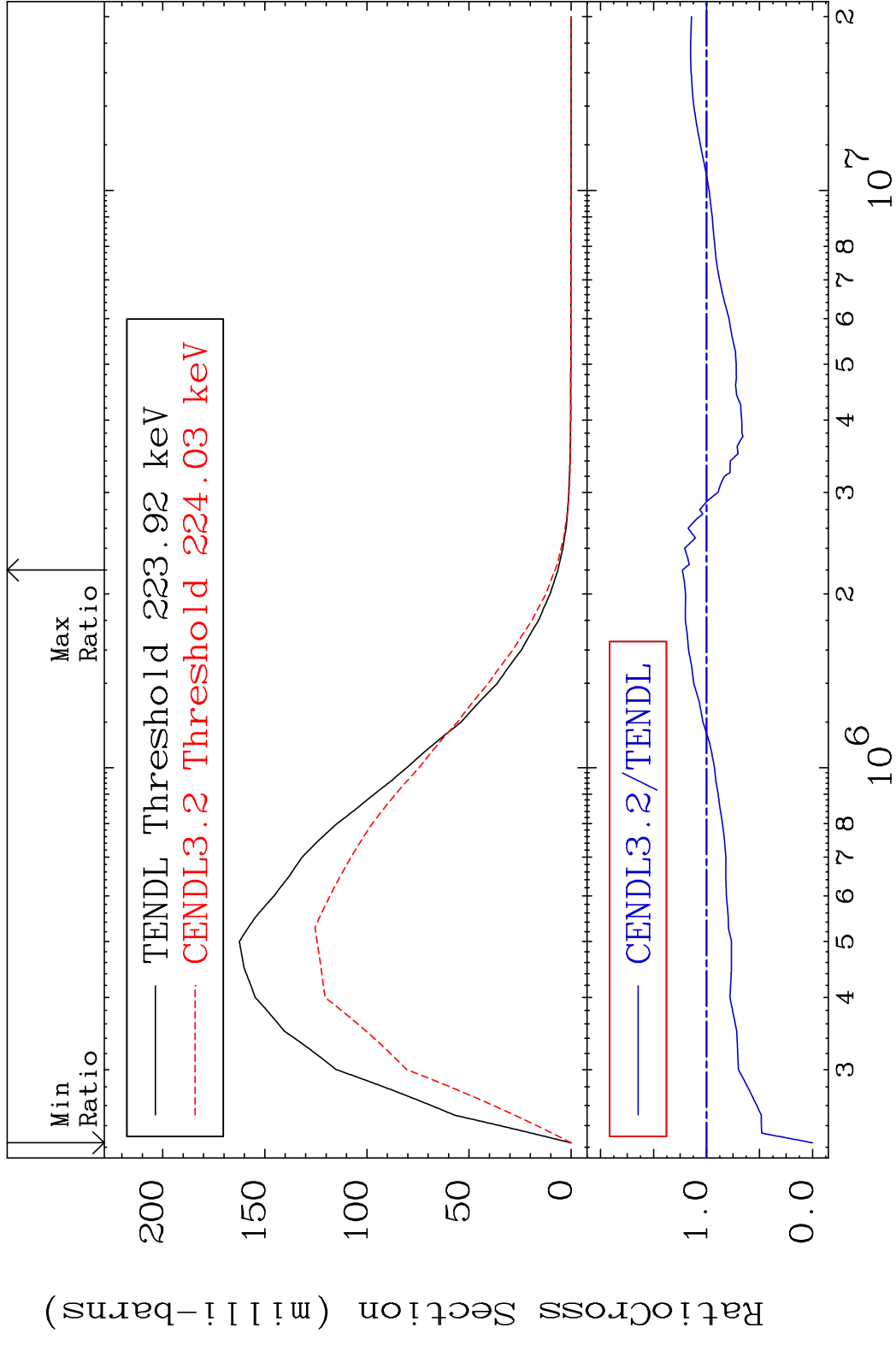


MAT 9443 MT= 56 (n, n') Level 94-Pu-241  
 Cross Section -35.50 To 9999. %

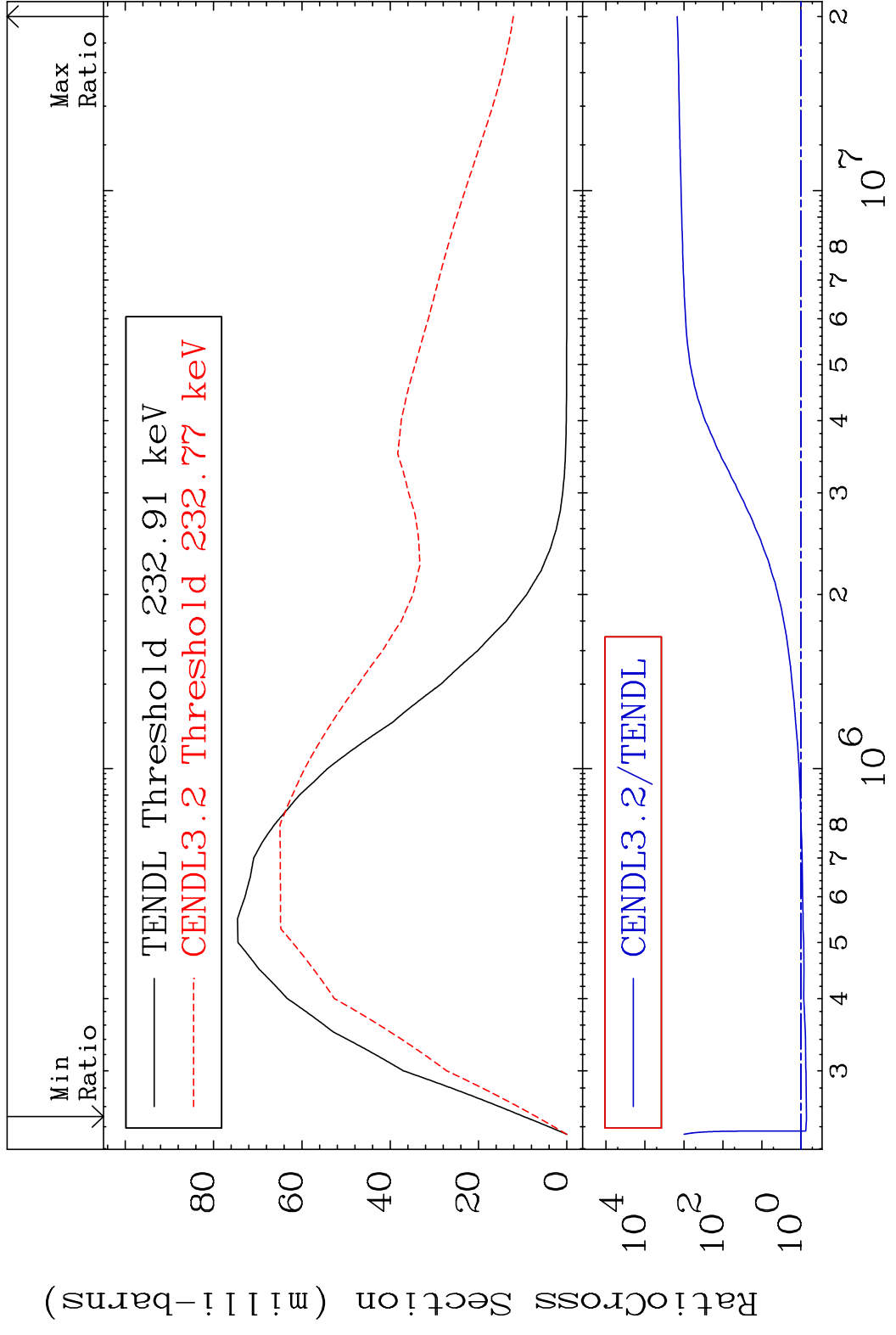


12 Incident Energy (eV) 94-Pu-241

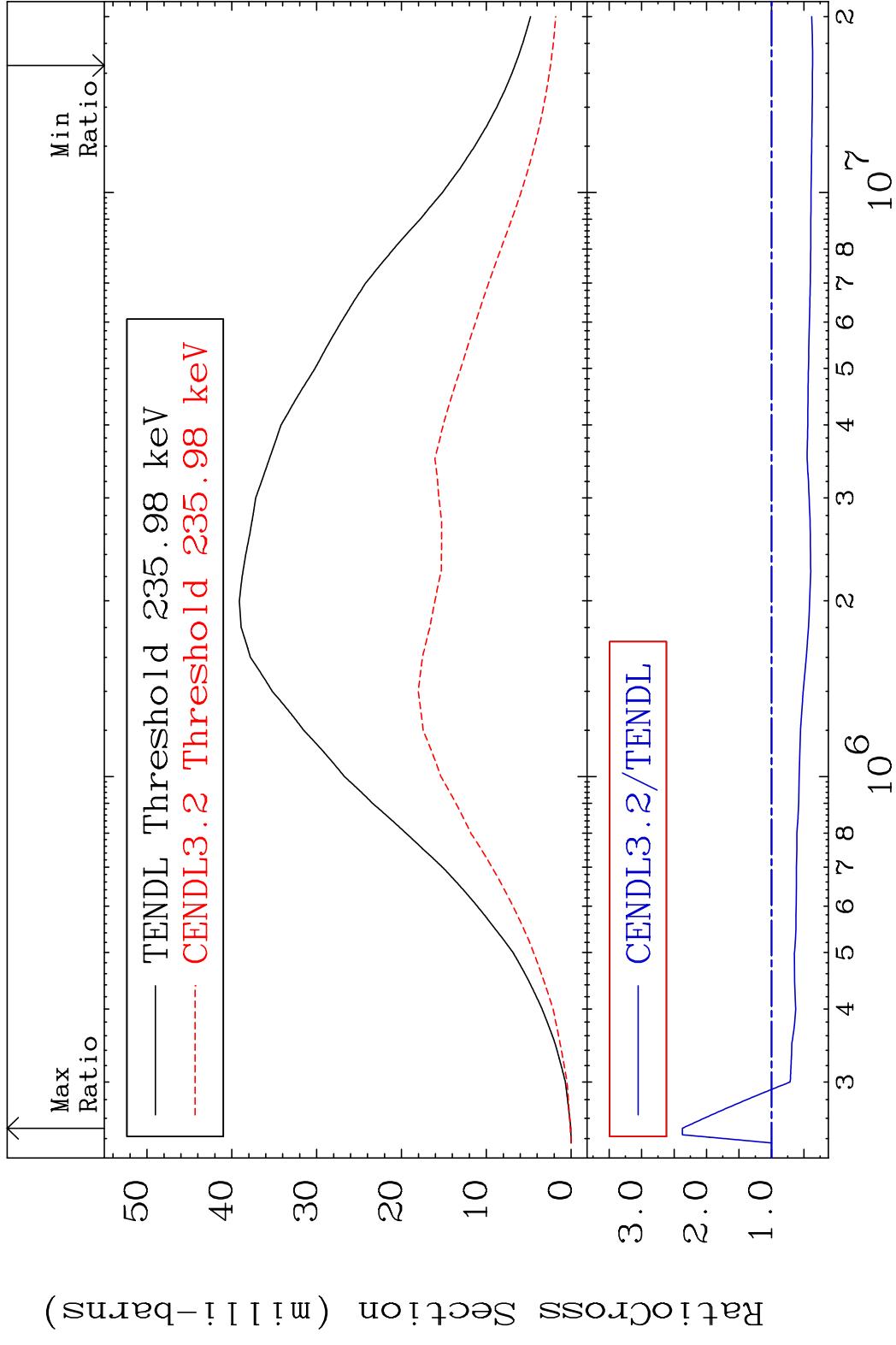
MAT 9443 MT= 57 (n, n') Level 94-Pu-241  
 Cross Section -100.0 To 22.85 %



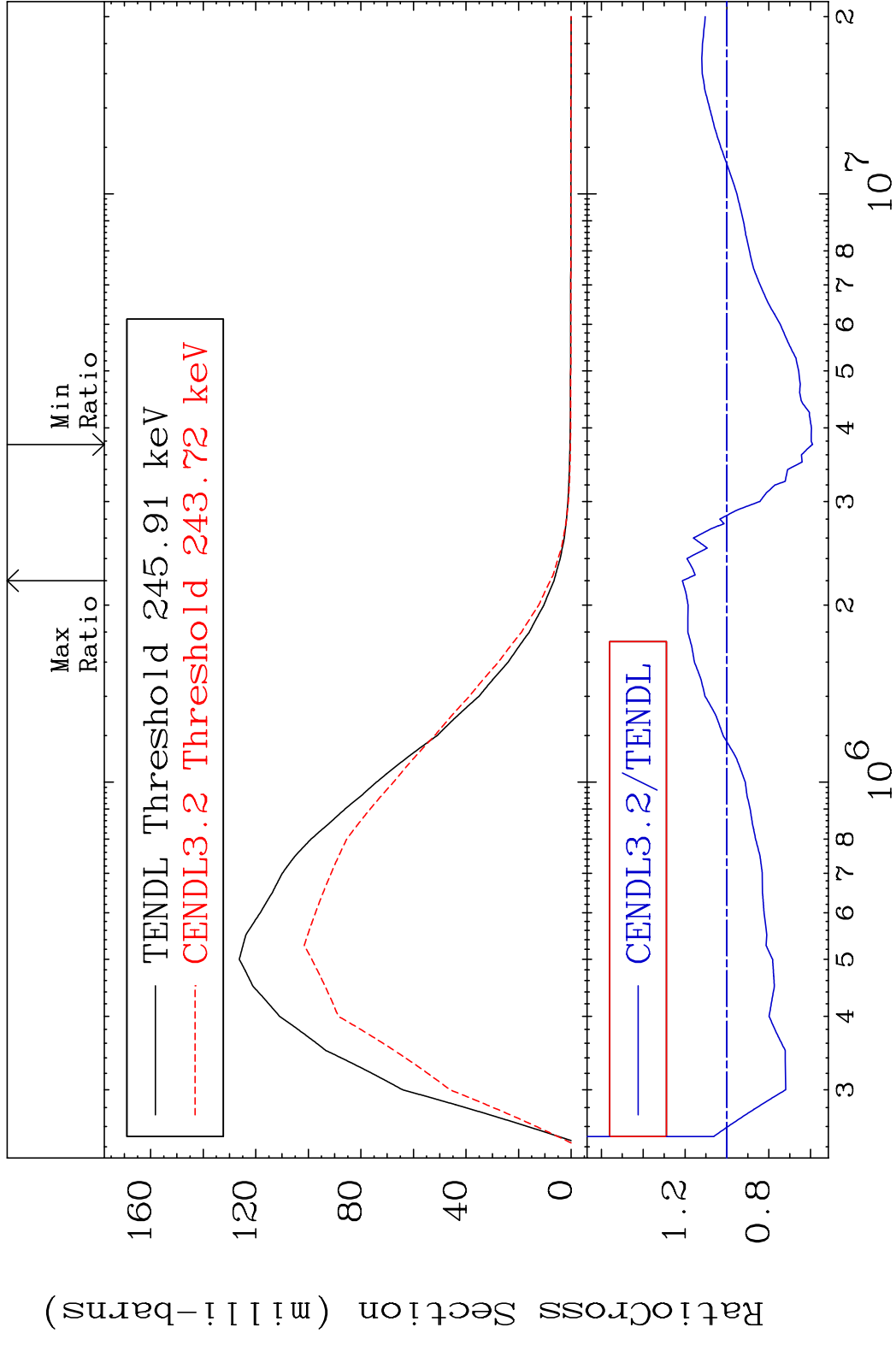
MAT 9443 MT= 58 (n, n') Level 94-Pu-241  
 Cross Section -28.65 To 9999. %



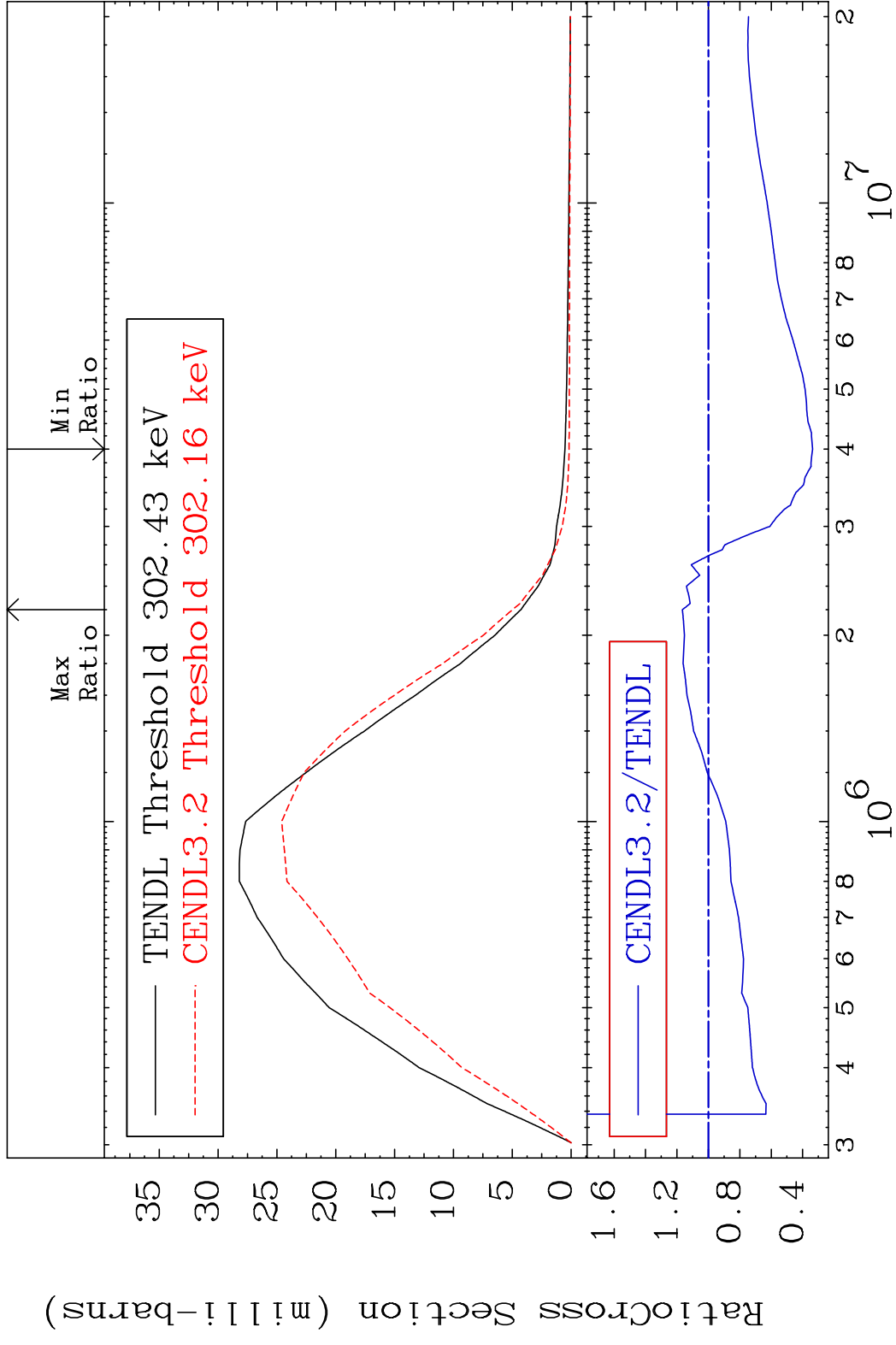
MAT 9443 MT= 59 (n,n') Level 94-Pu-241  
 Cross Section -63.27 To 137.3 %



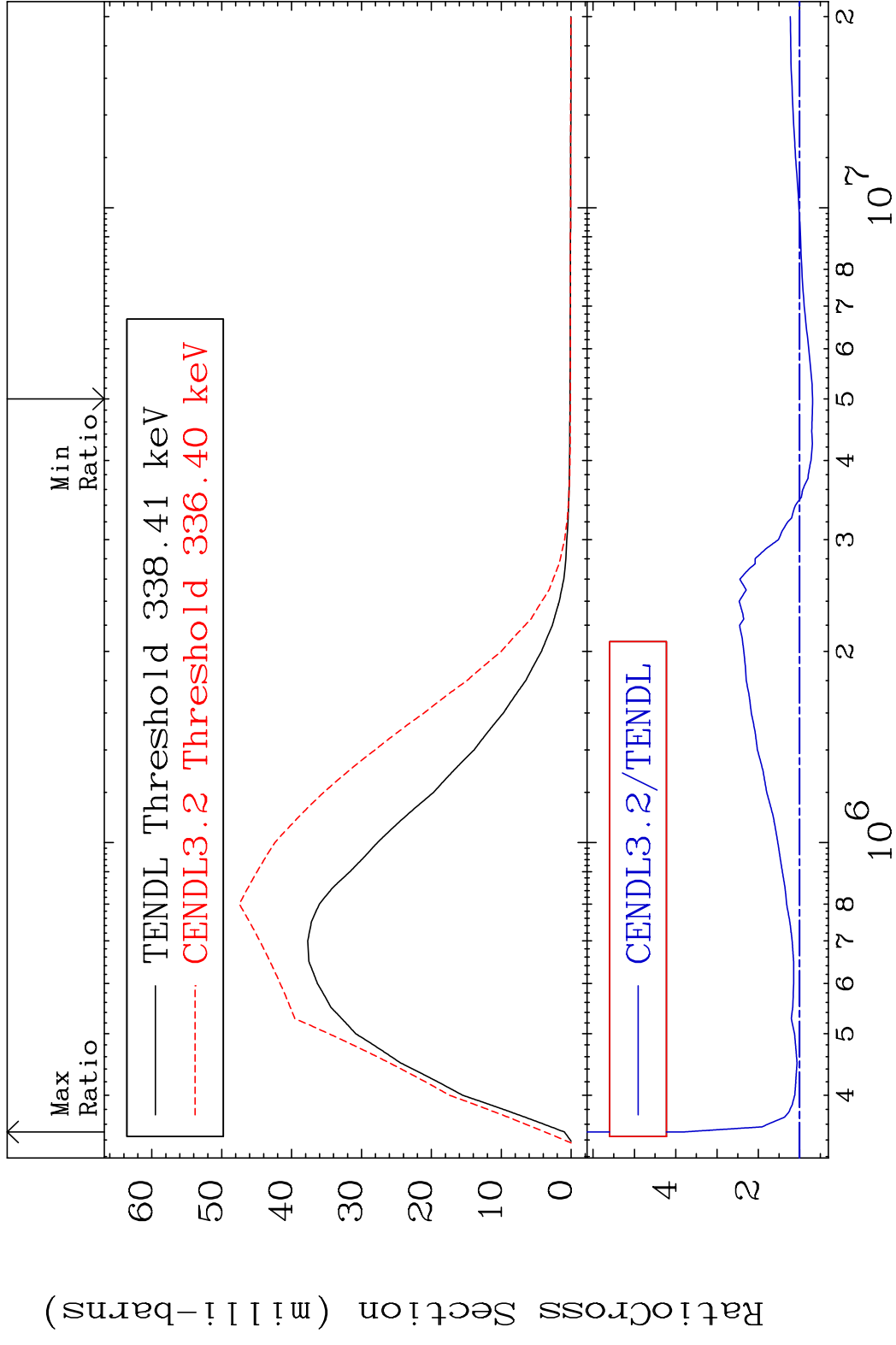
MAT 9443 MT= 60 (n, n') Level 94-Pu-241  
 Cross Section -40.93 To 21.29 %



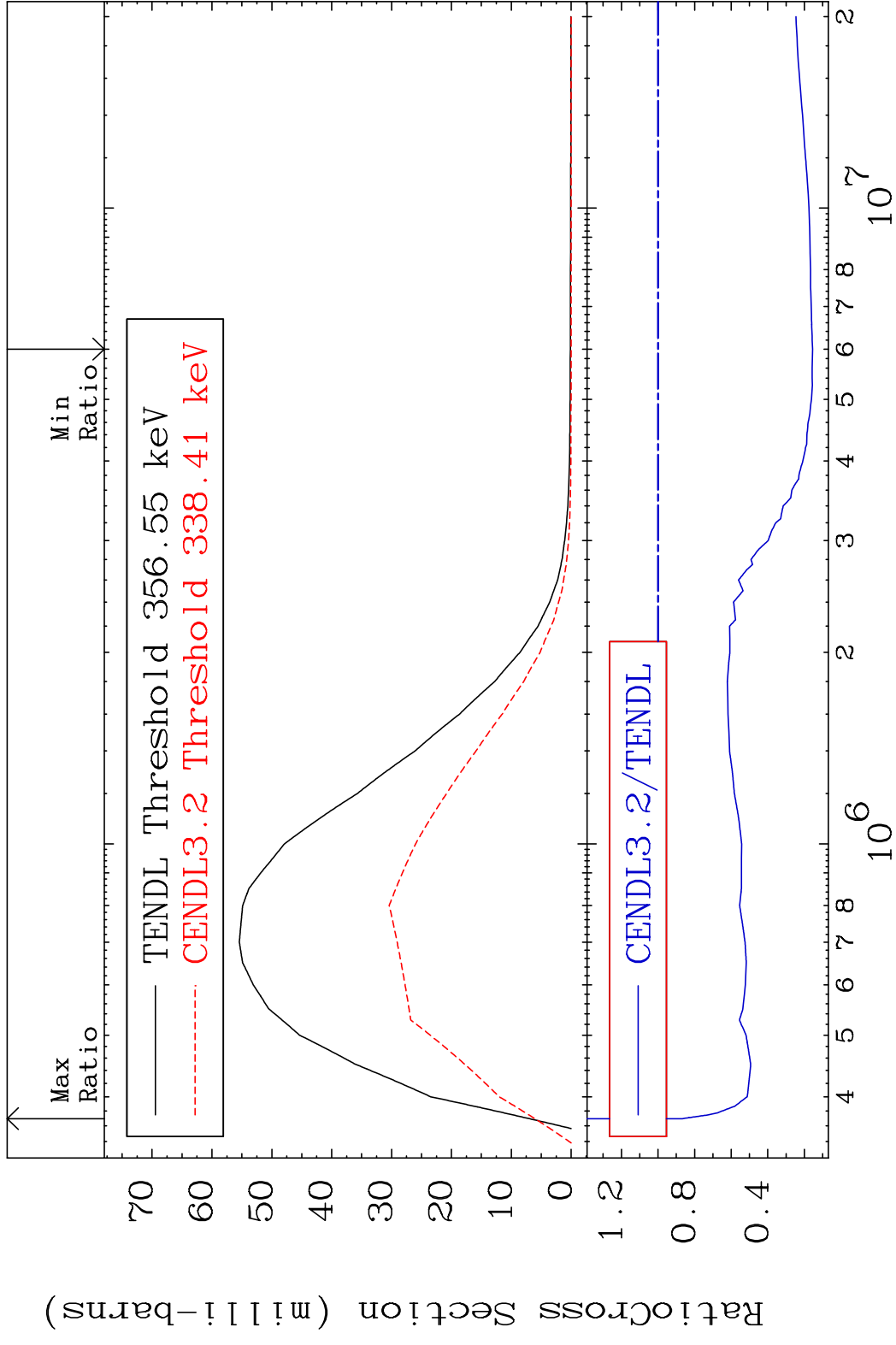
MAT 9443 MT= 61 (n, n') Level 94-Pu-241  
 Cross Section -66.30 To 16.56 %



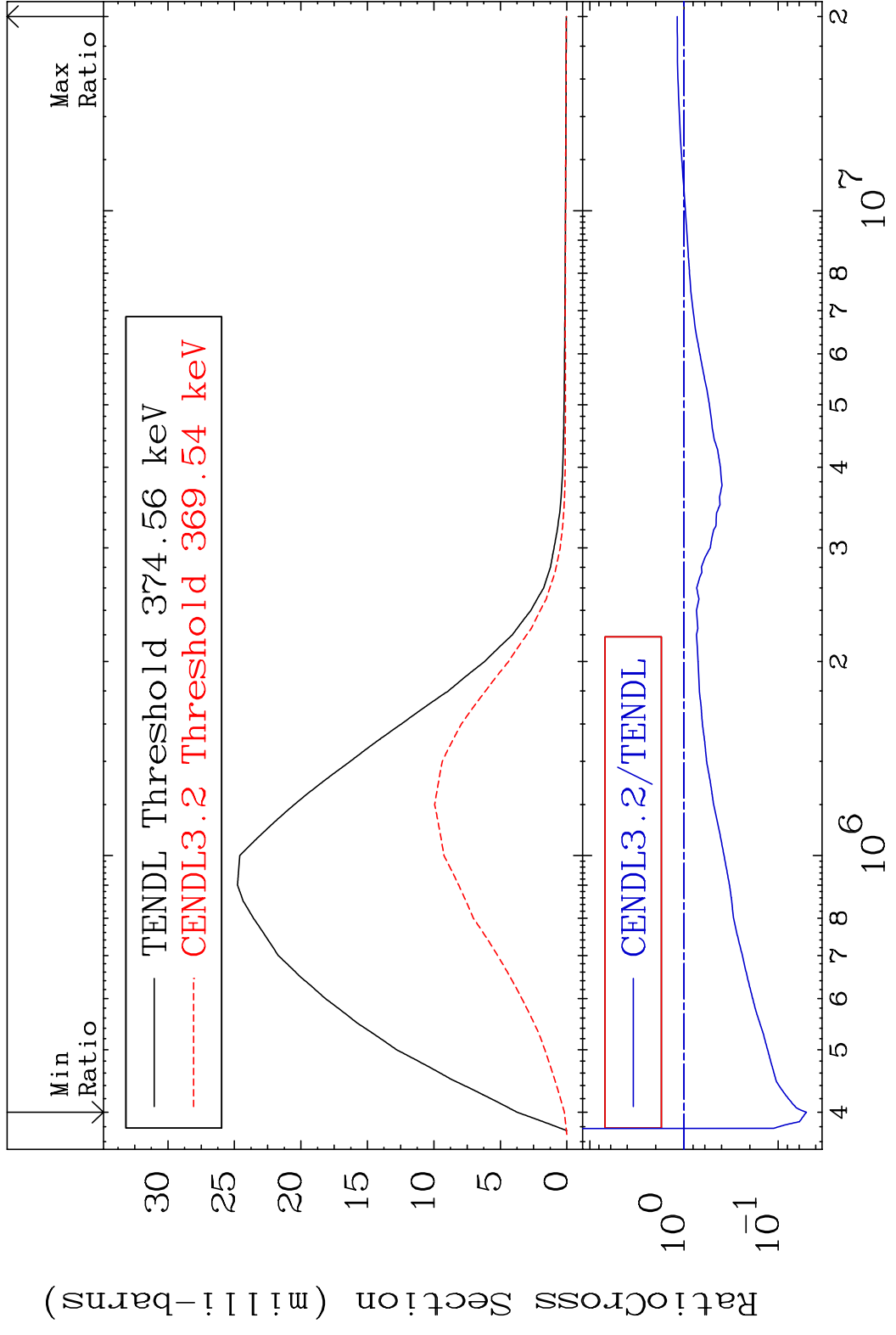
MAT 9443 MT= 62 (n, n') Level 94-Pu-241  
 Cross Section -31.10 To 283.9 %



MAT 9443 MT= 63 (n,n') Level 94-Pu-241  
 Cross Section -84.46 To -13.31%

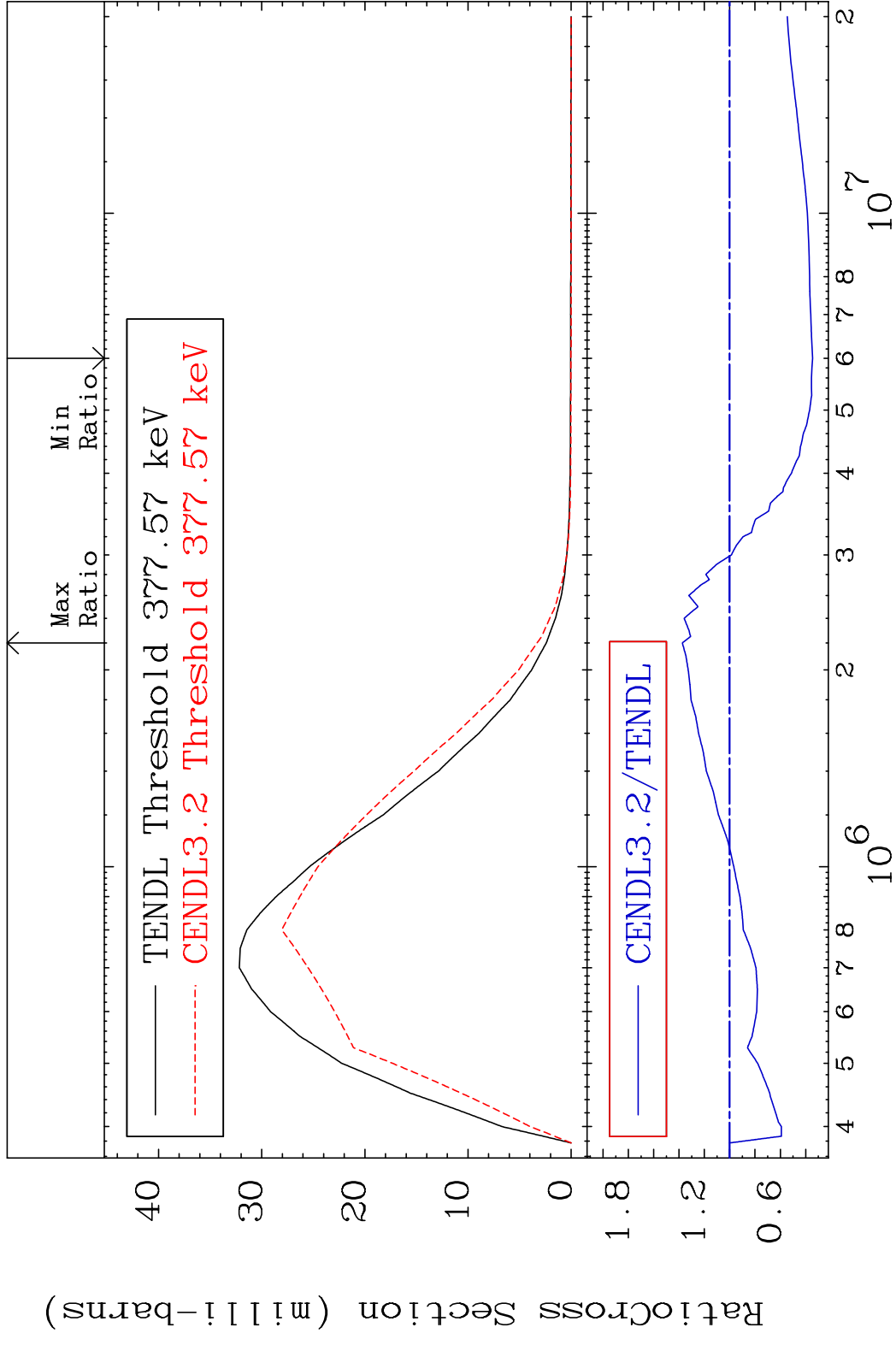


MAT 9443 MT= 64 (n, n') Level 94-Pu-241  
 Cross Section -94.98 To 18.09 %

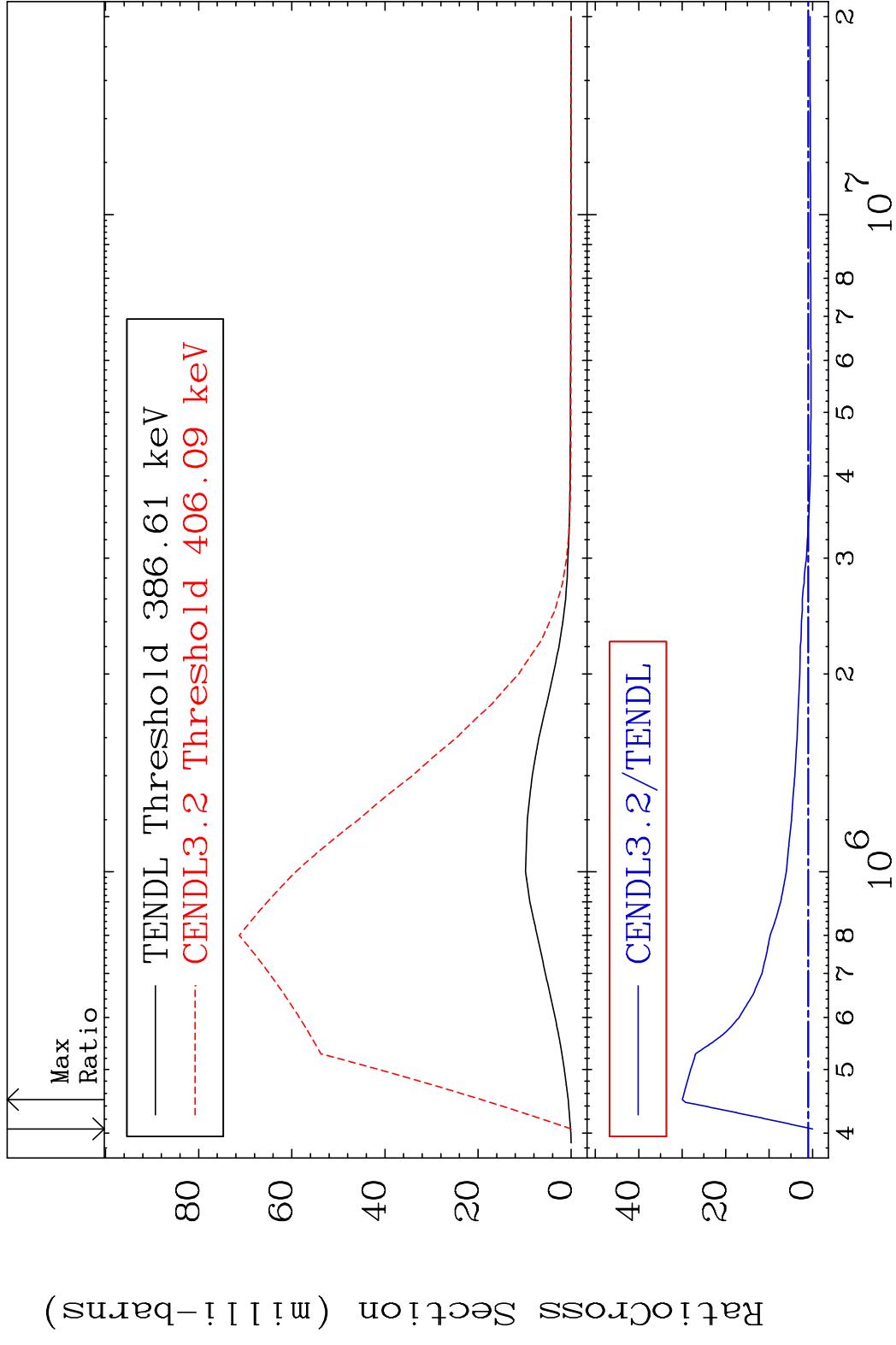


20 Incident Energy (eV) 94-Pu-241

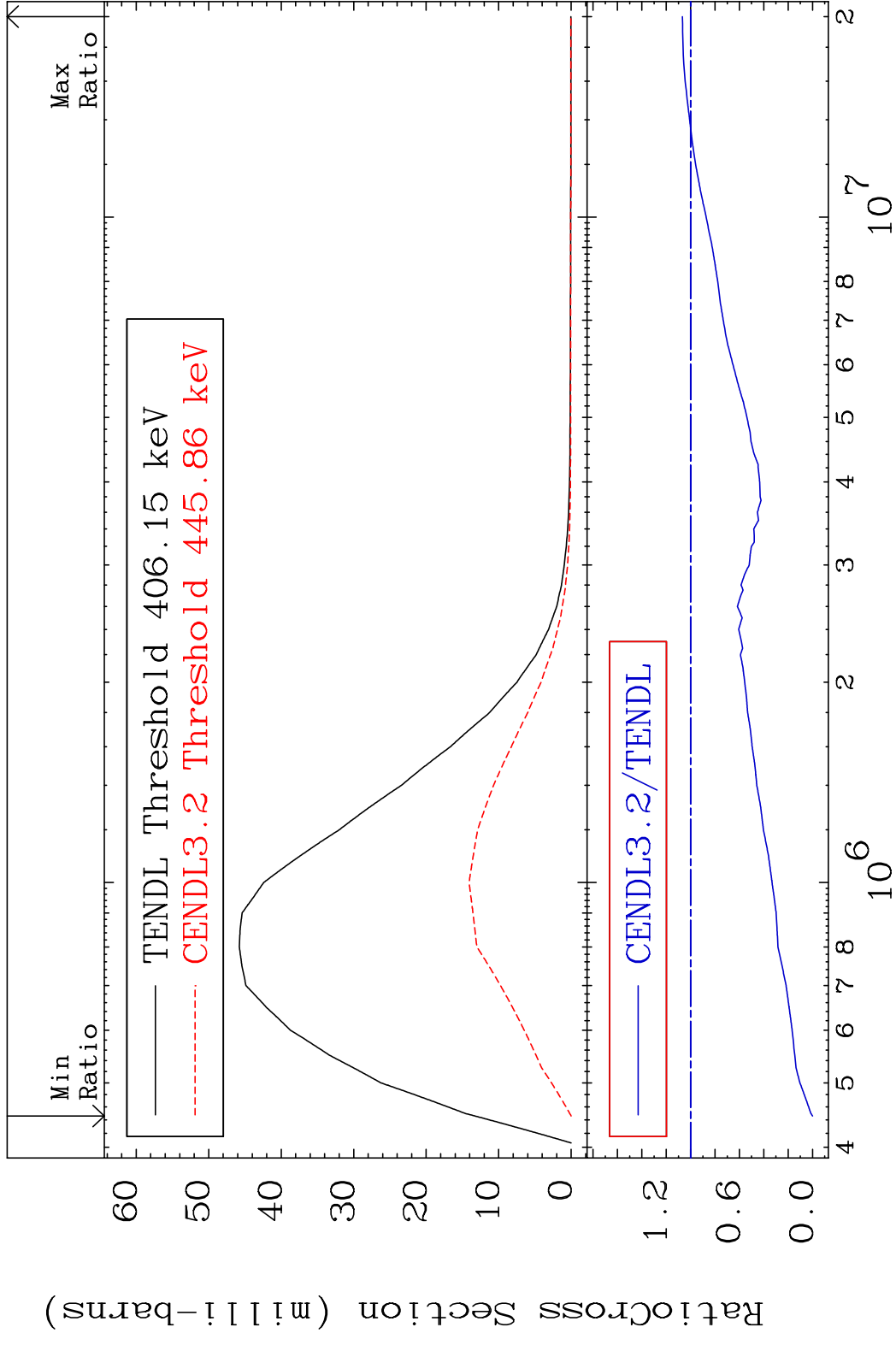
MAT 9443 MT= 65 (n, n') Level 94-Pu-241  
 Cross Section -65.43 To 37.37 %



MAT 9443 MT= 66 (n,n') Level 94-Pu-241  
 Cross Section -100.0 To 2896. %



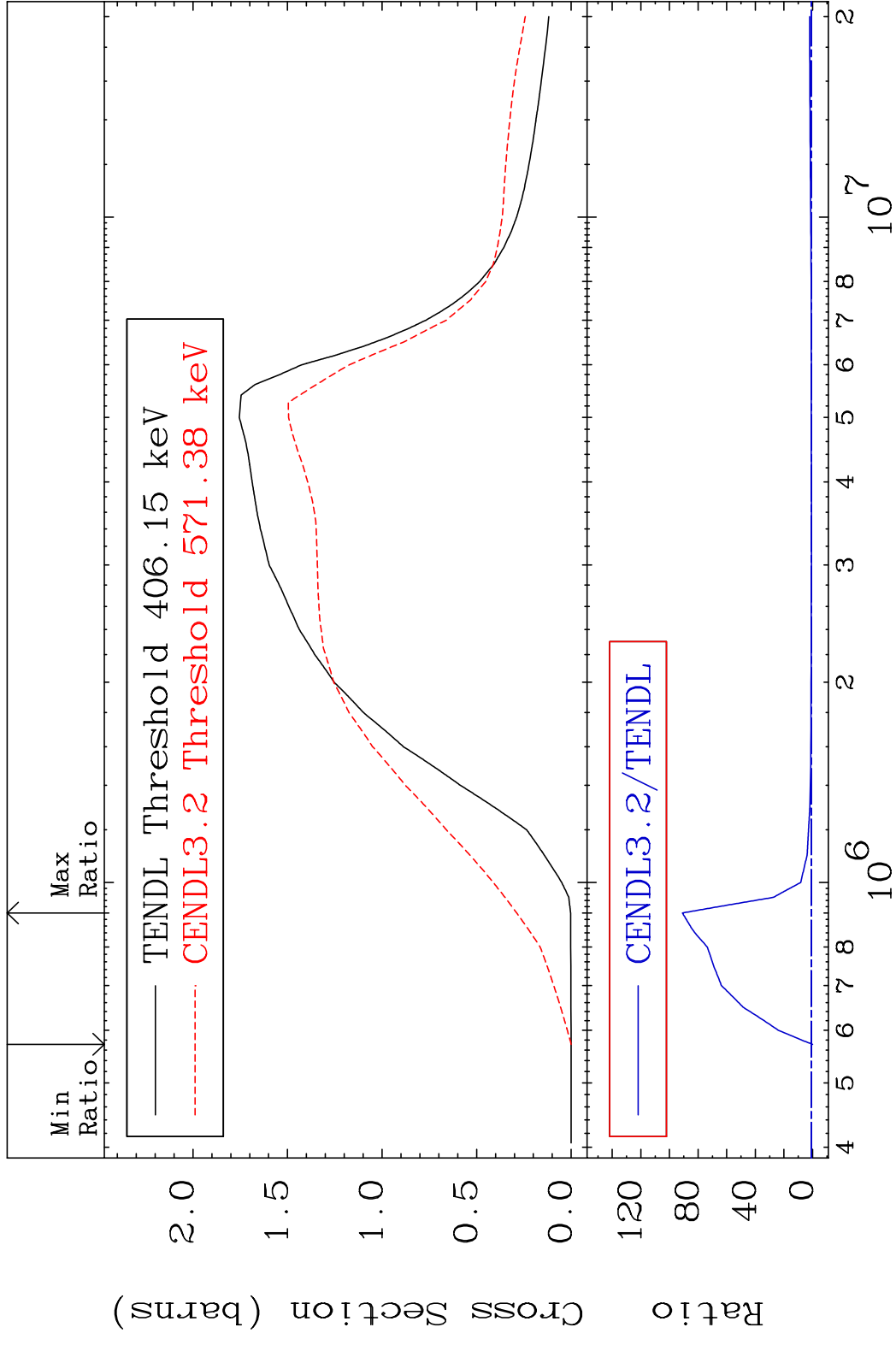
MAT 9443 MT= 67 (n, n') Level 94-Pu-241  
 Cross Section -100.0 To 6.781 %



MAT 9443

(n, n') Continuum  
Cross Section -100.0 To 9000. %

94-Pu-241



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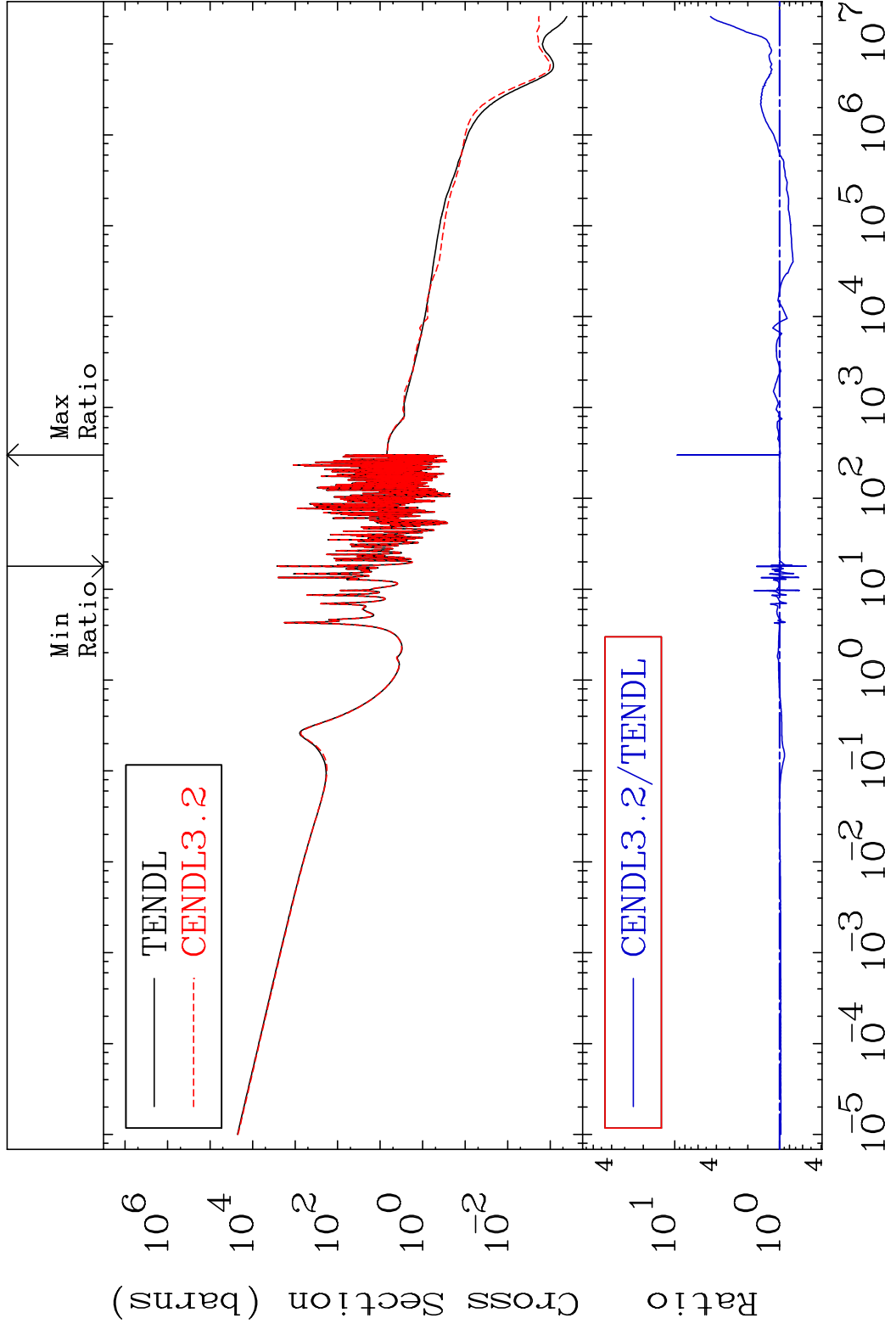
Incident Energy (eV)

94-Pu-241

MAT 9443

(n,  $\gamma$ )  
Cross Section -44.74 To 846.7 %

94-Pu-241

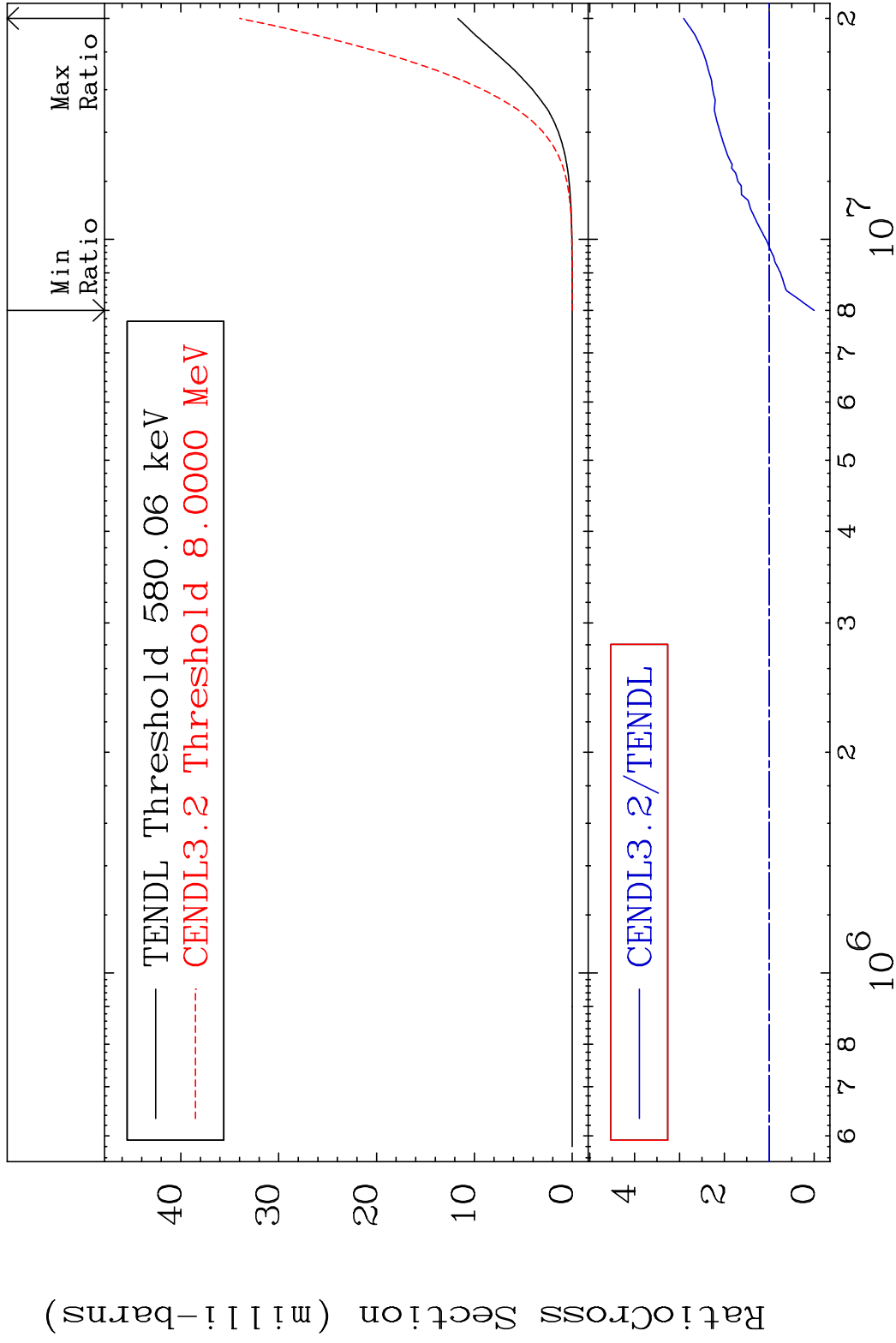


MAT 9443

(n,p)

94-Pu-241

Cross Section -100.0 To 190.7 %

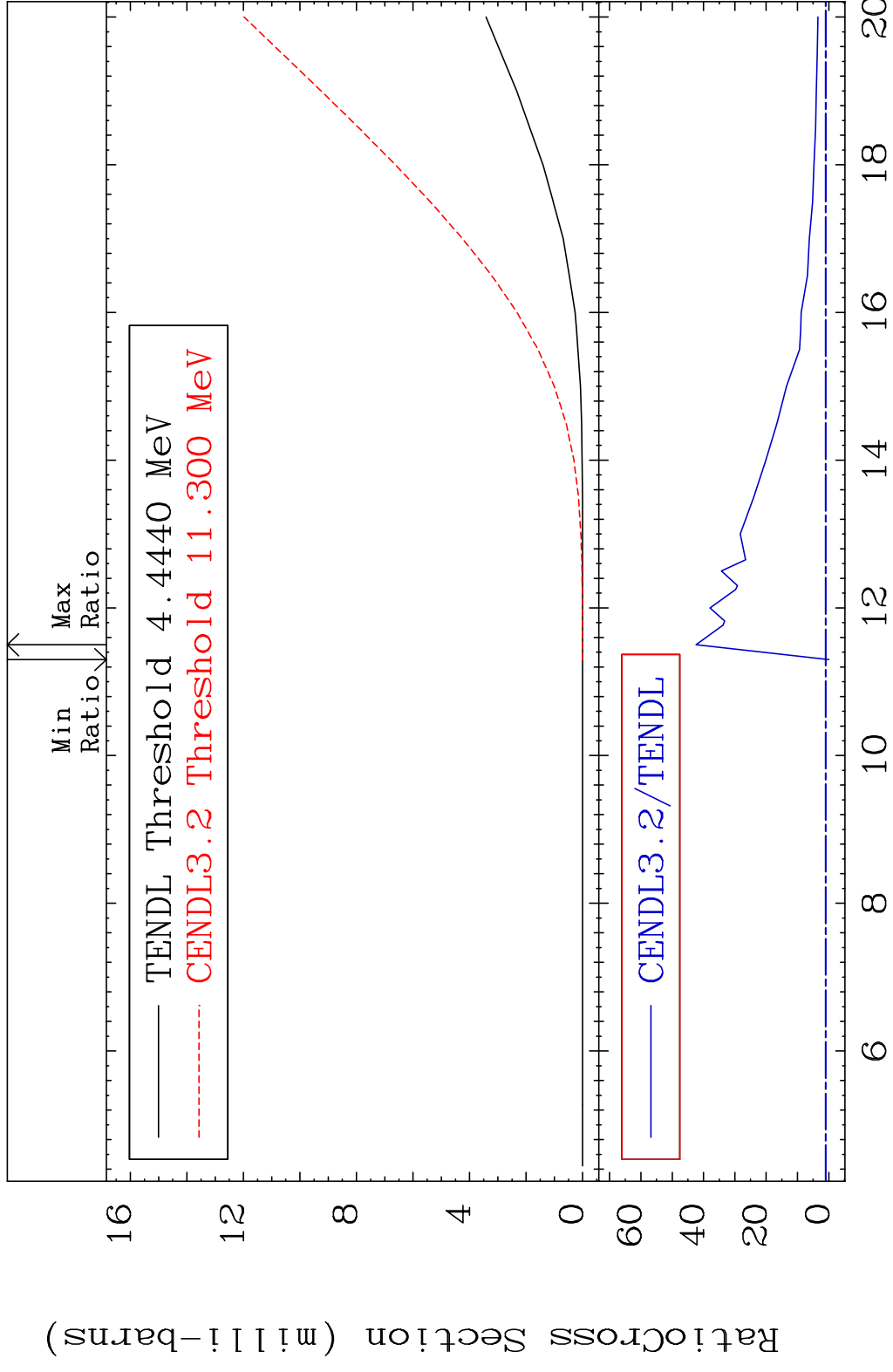


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Incident Energy (eV)

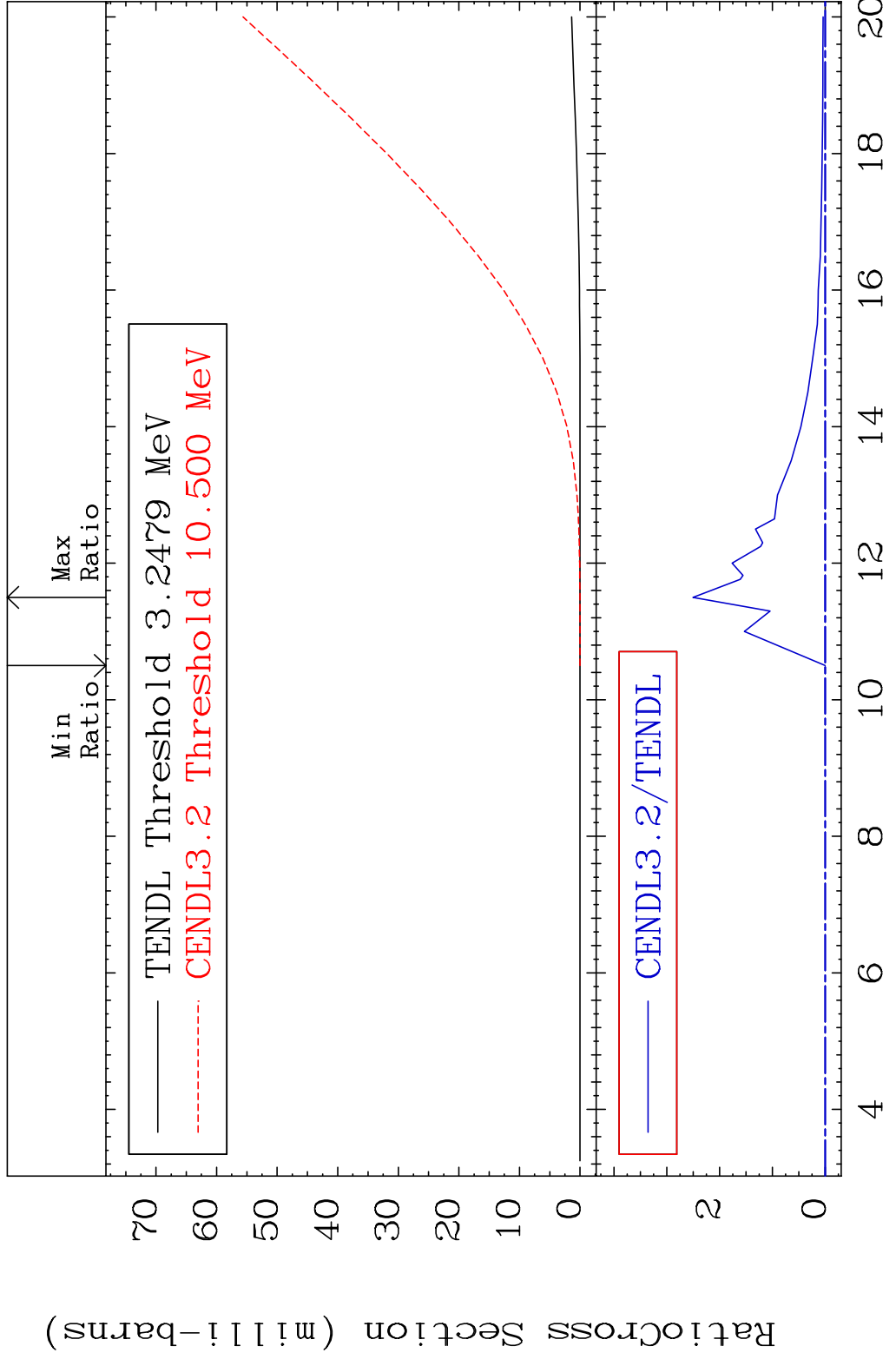
94-Pu-241

MAT 9443 (n, d) 94-Pu-241  
 Cross Section -100.0 To 4140. %



MAT 9443

(n, t) 94-Pu-241  
Cross Section -100.0 To 9999. %

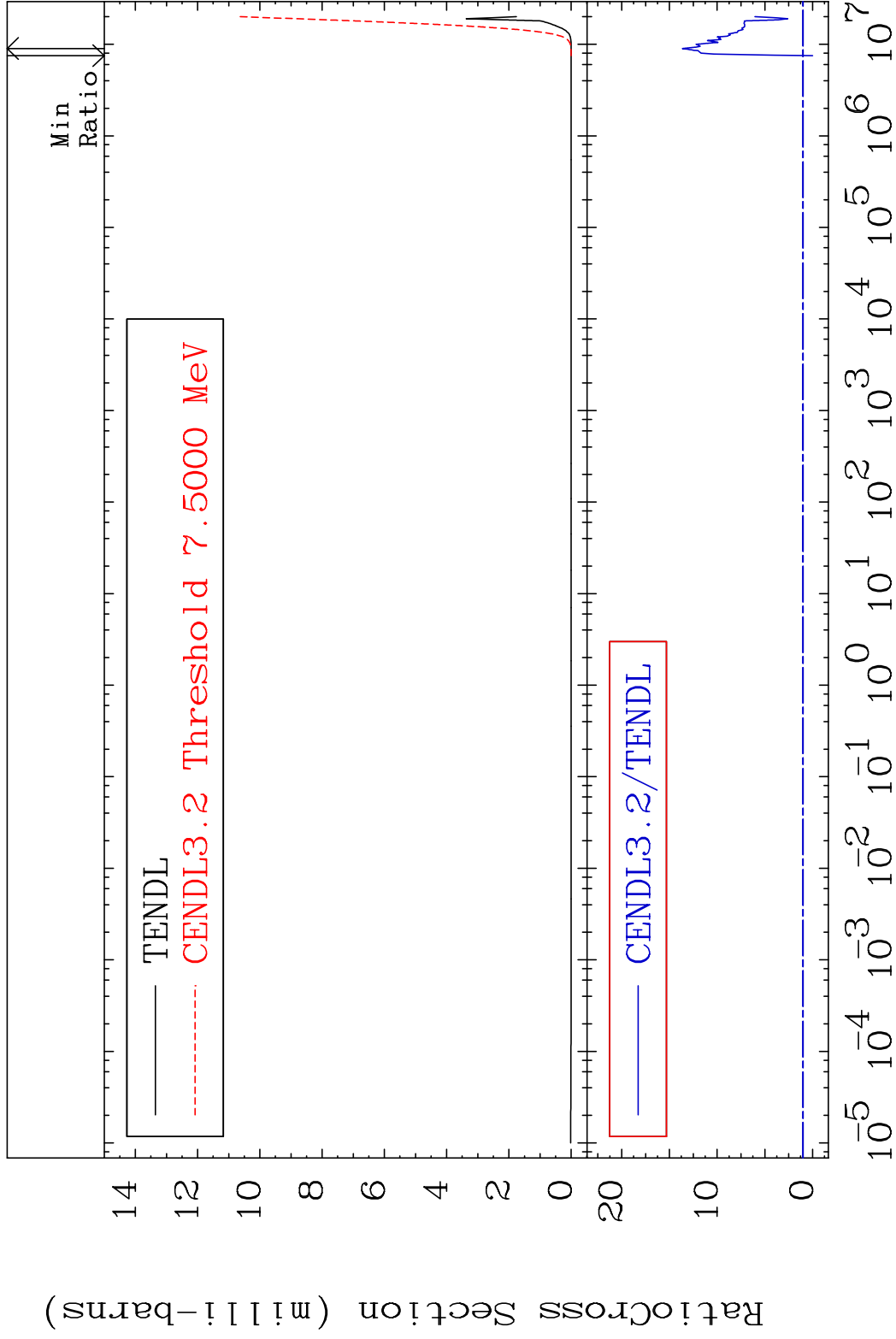


MAT 9443

(n,  $\alpha$ )

94-Pu-241

Cross Section -100.0 To 1265. %



29

Incident Energy (eV)

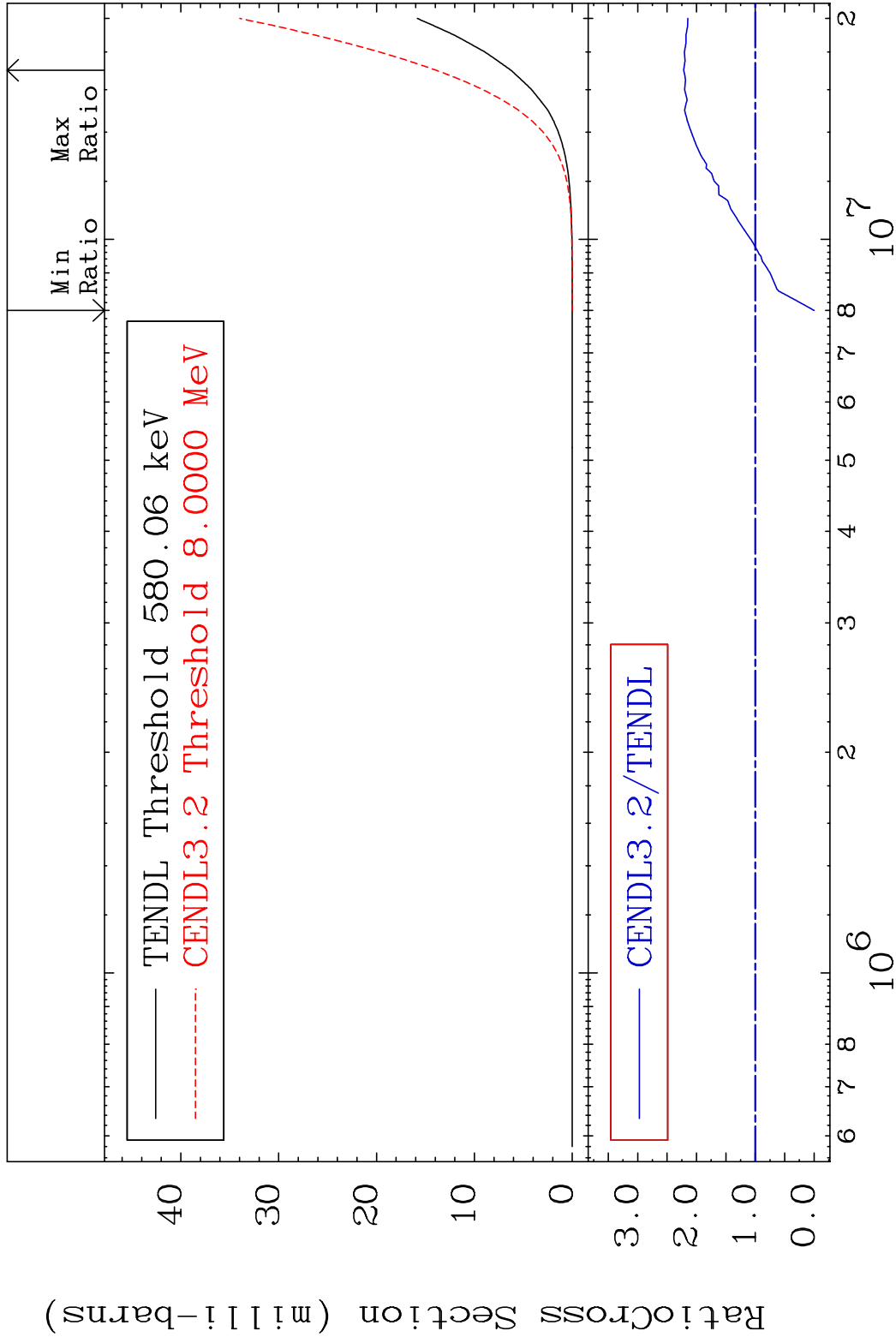
94-Pu-241

MAT 9443

Hydrogen Production

94-Pu-241

Cross Section -100.0 To 121.8 %

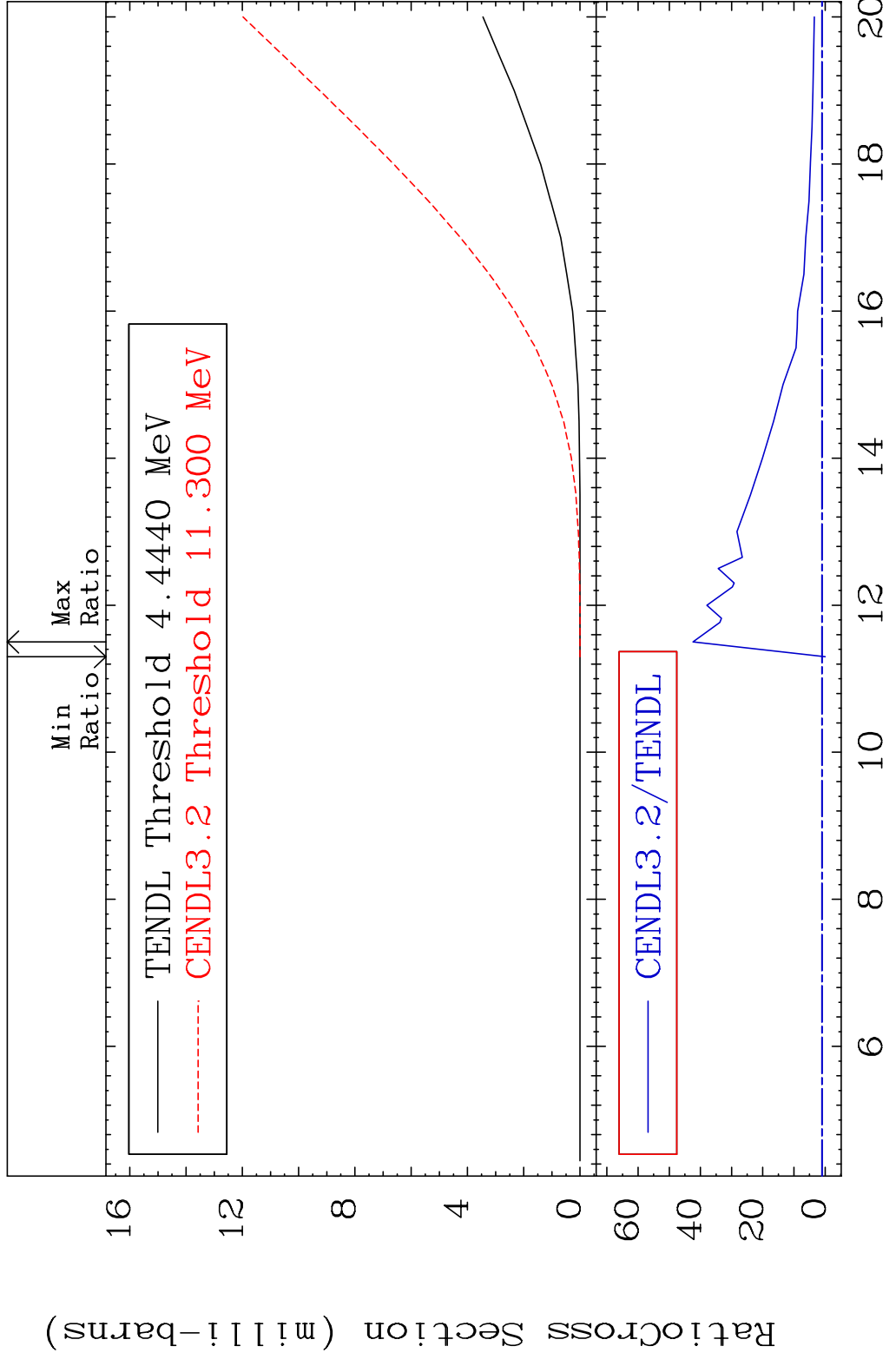


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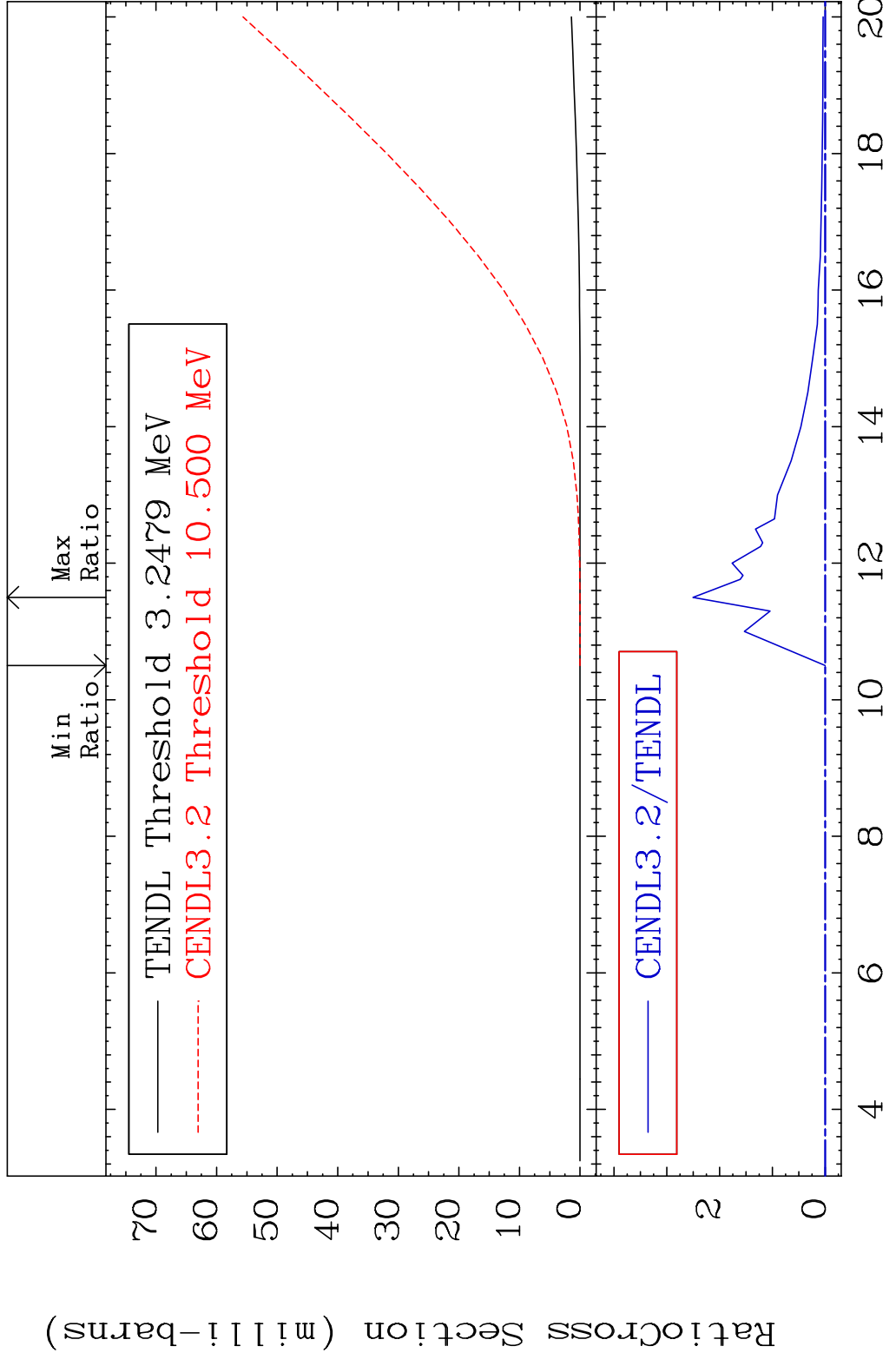
Incident Energy (eV)

94-Pu-241

MAT 9443 Deuterium Production 94-Pu-241  
 Cross Section -100.0 To 4140. %



MAT 9443 Tritium Production 94-Pu-241  
 Cross Section -100.0 To 9999. %

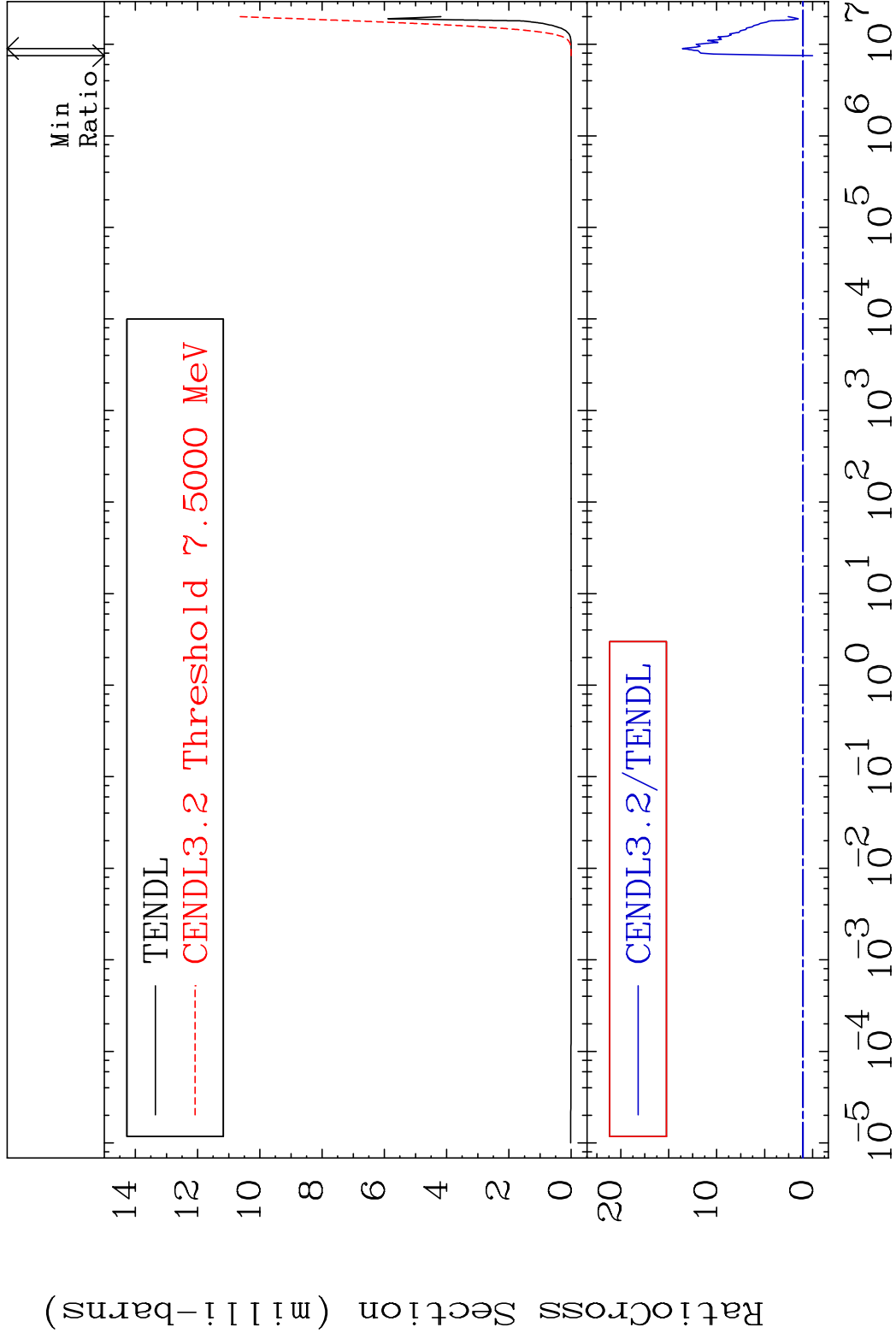


MAT 9443

He-4 Production

94-Pu-241

Cross Section -100.0 To 1258. %

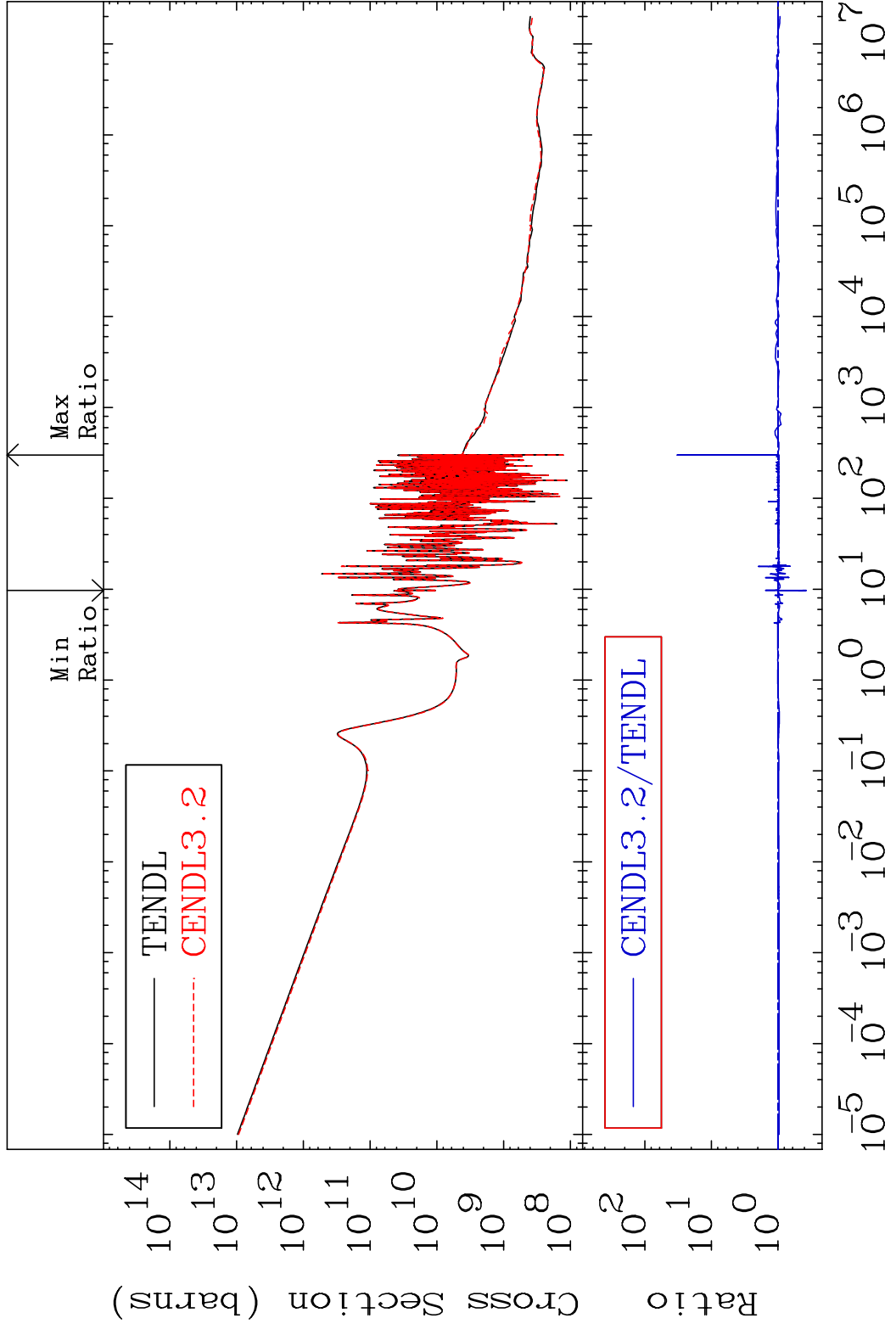


33

Incident Energy (eV)

94-Pu-241

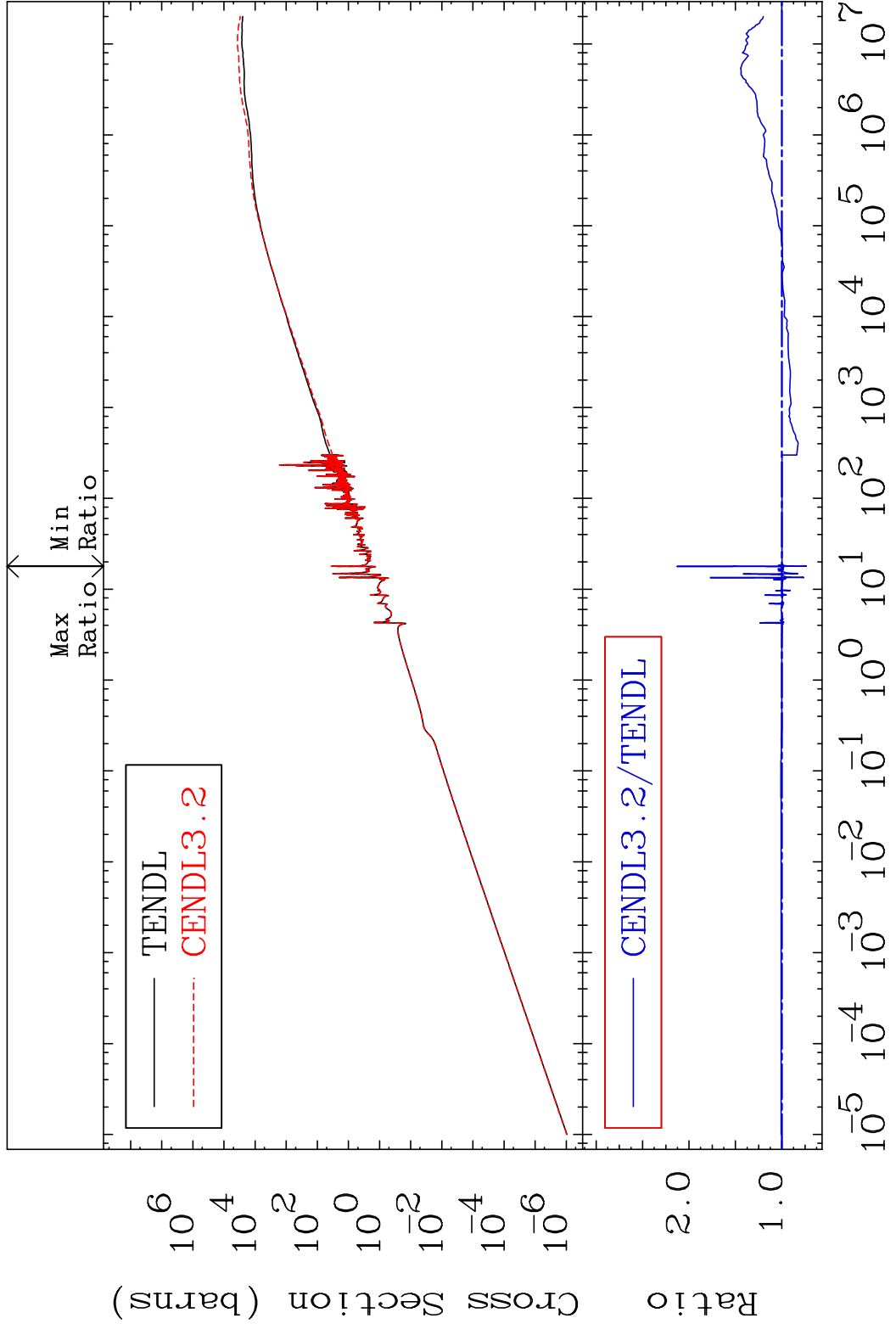
MAT 9443 Kerma total (eV-barns) 94-Pu-241  
 Cross Section -62.69 To 3166. %



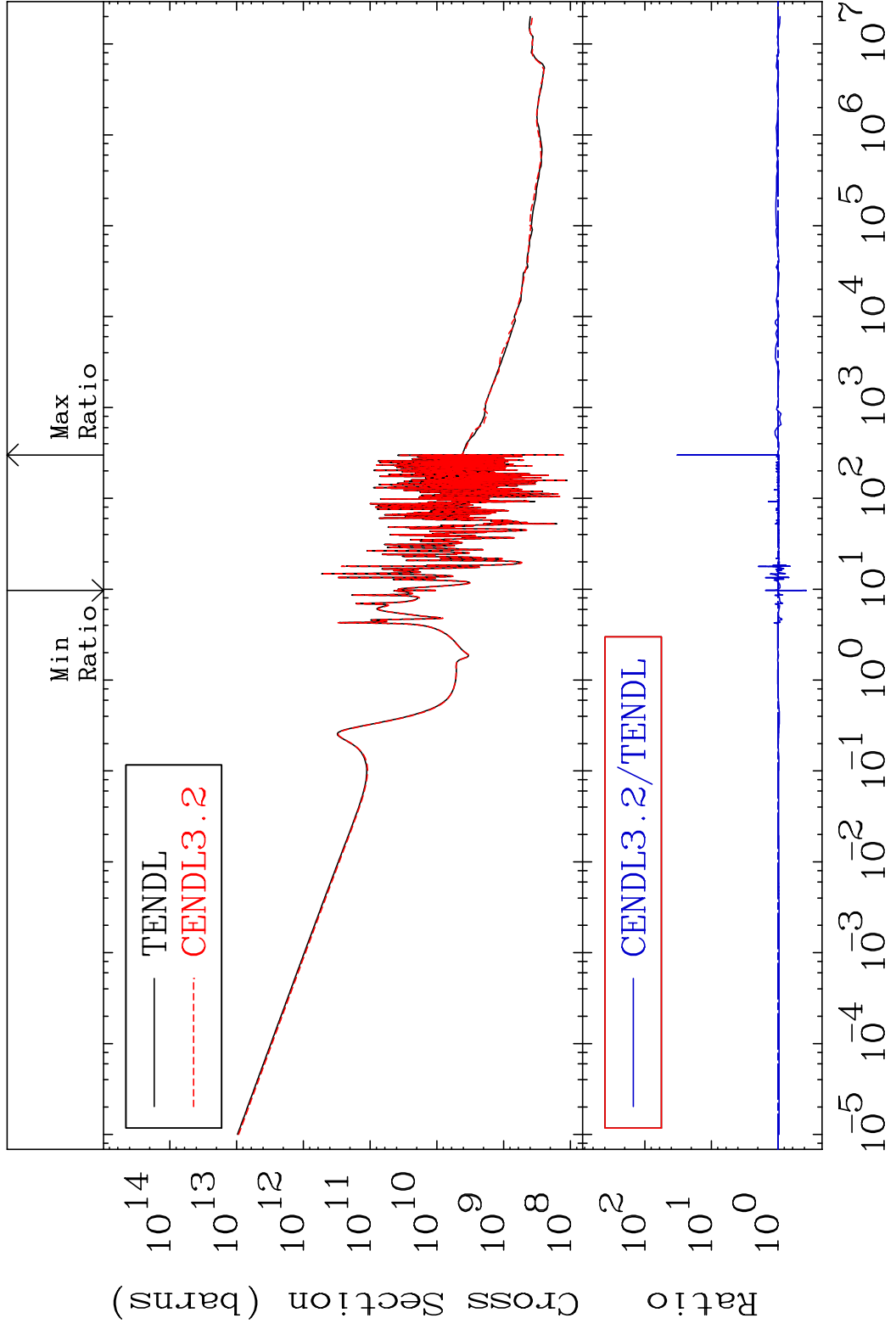
MAT 9443

Kerma elastic  
Cross Section -26.39 To 112.8 %

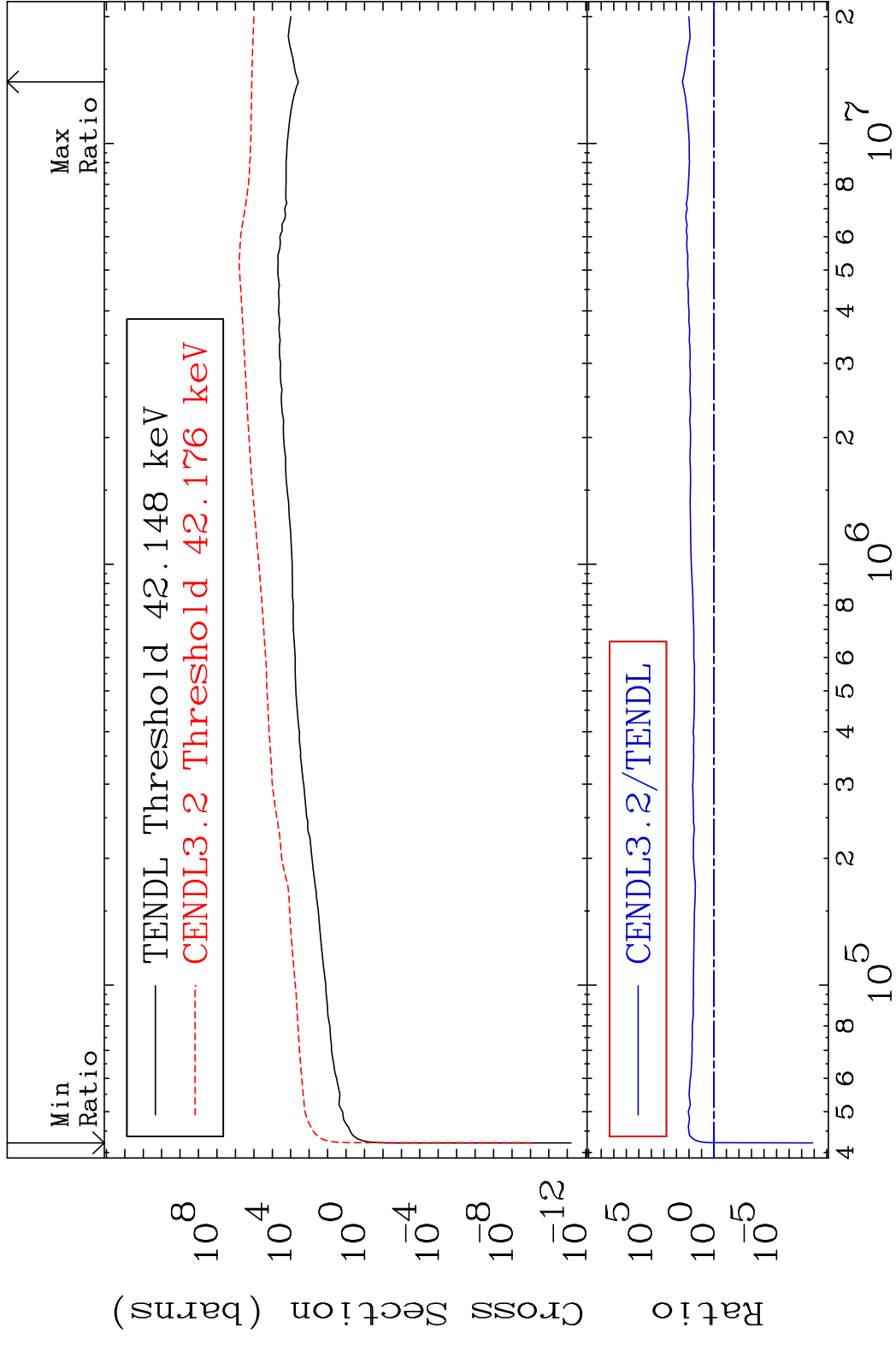
94-Pu-241



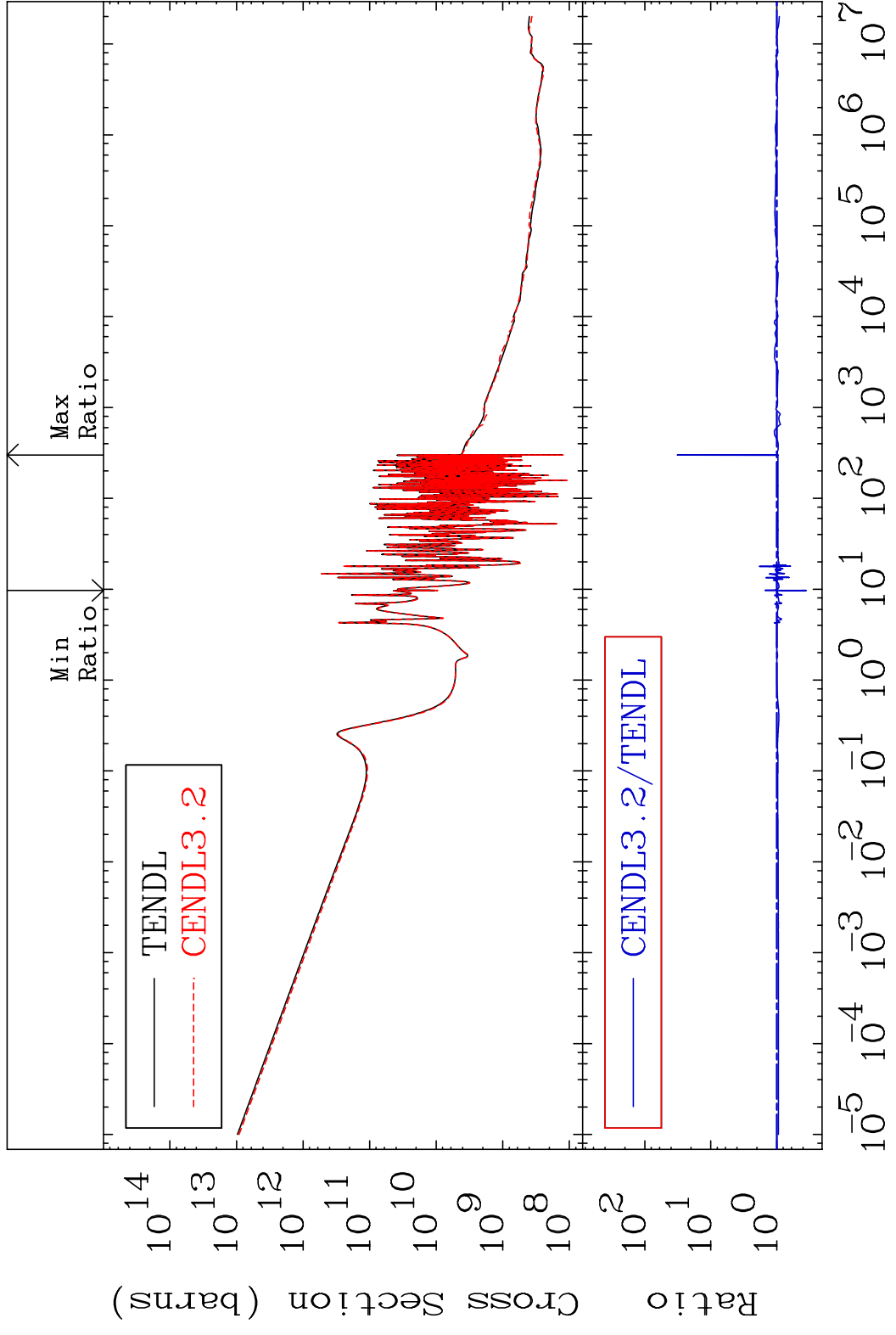
MAT 9443 Kerma non-elastic (all but mt2) 94-Pu-241  
 Cross Section -62.69 To 3166. %



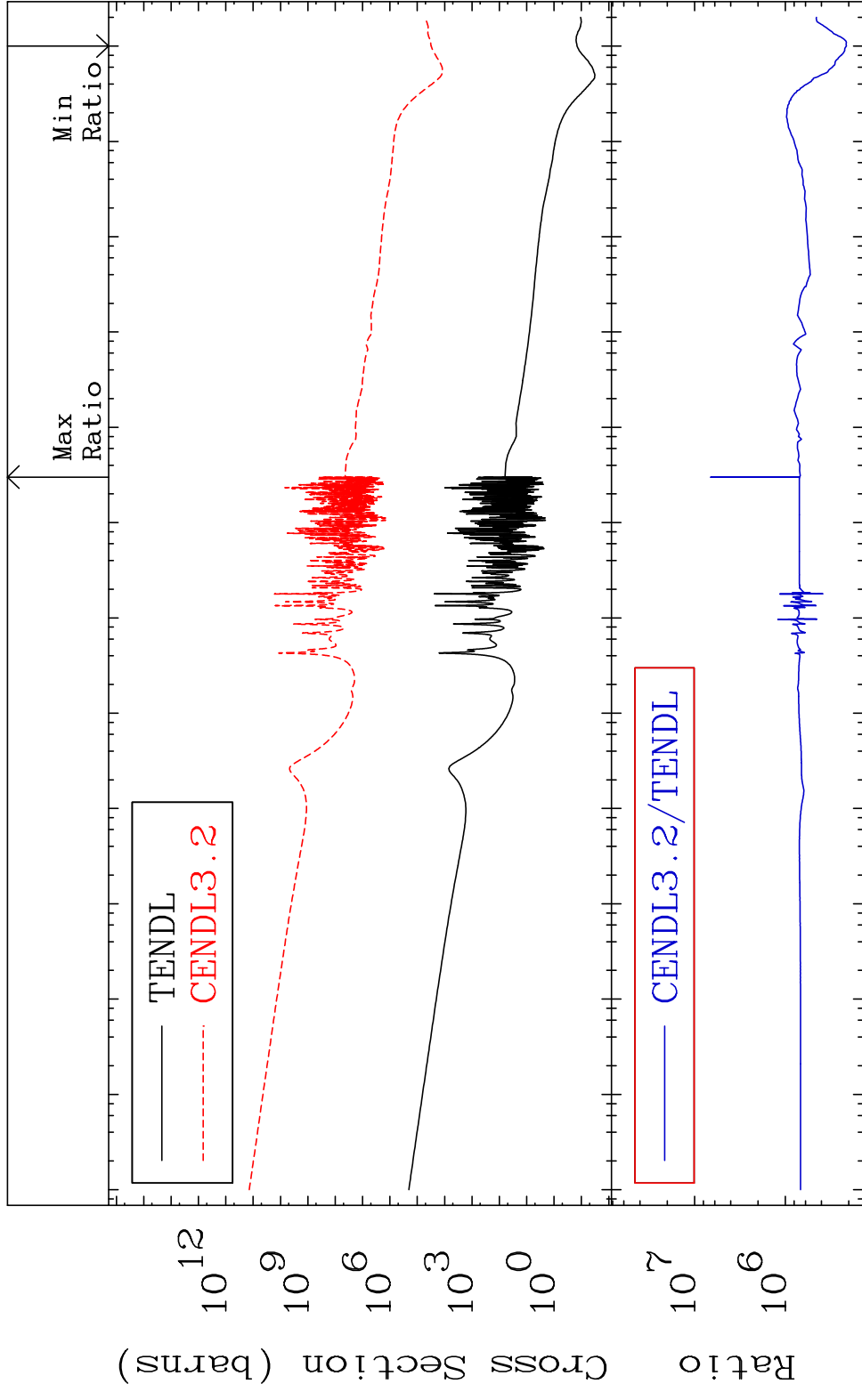
MAT 9443 Kerma inelastic (mt51-91) 94-Pu-241  
 Cross Section -100.0 To 9999. %



MAT 9443 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-241  
 Cross Section -64.42 To 3132. %



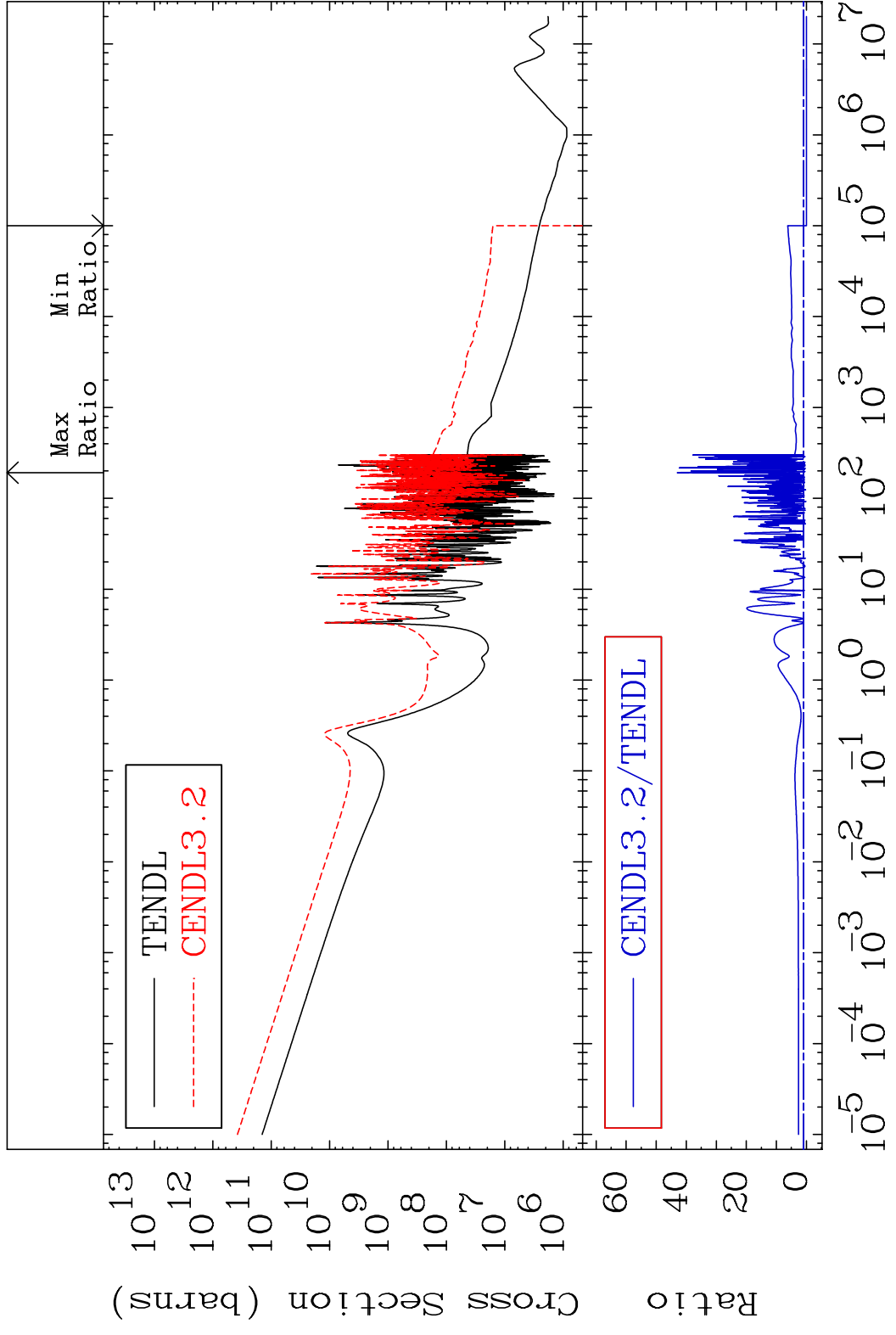
MAT 9443 Kerma capture (mt102) 94-Pu-241  
 Cross Section 9999. To 9999. %



39 Incident Energy (eV) 94-Pu-241

MAT 9443

Total photon (eV-barns) 94-Pu-241  
Cross Section -100.0 To 4202. %

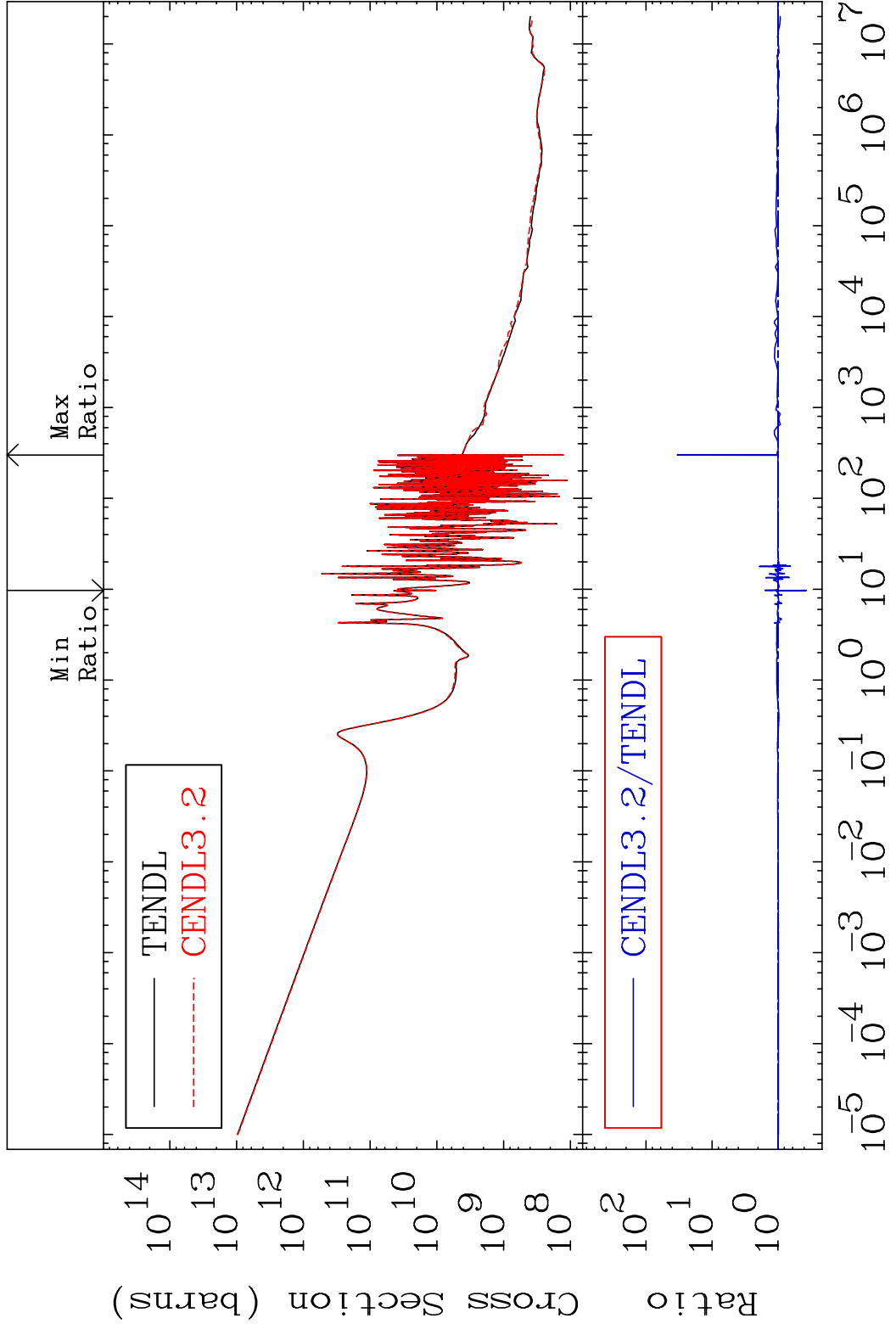


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Incident Energy (eV)

94-Pu-241

MAT 9443 Total kinematic kerma (high limit) 94-Pu-241  
 Cross Section -62.95 To 3266. %

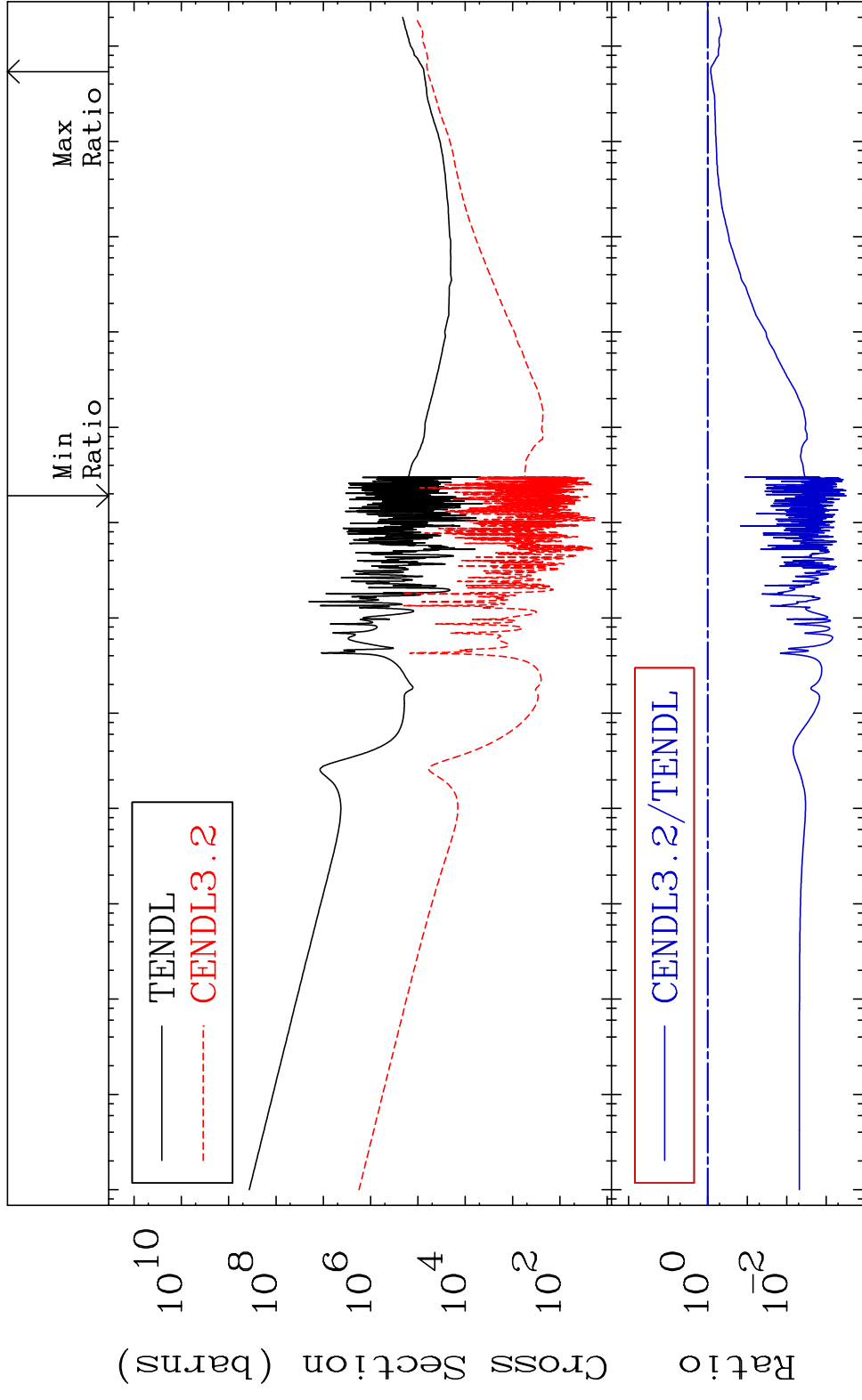


MAT 9443

Dpa total (eV-barns)

94-Pu-241

Cross Section -99.97 To -16.20%



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Incident Energy (eV)

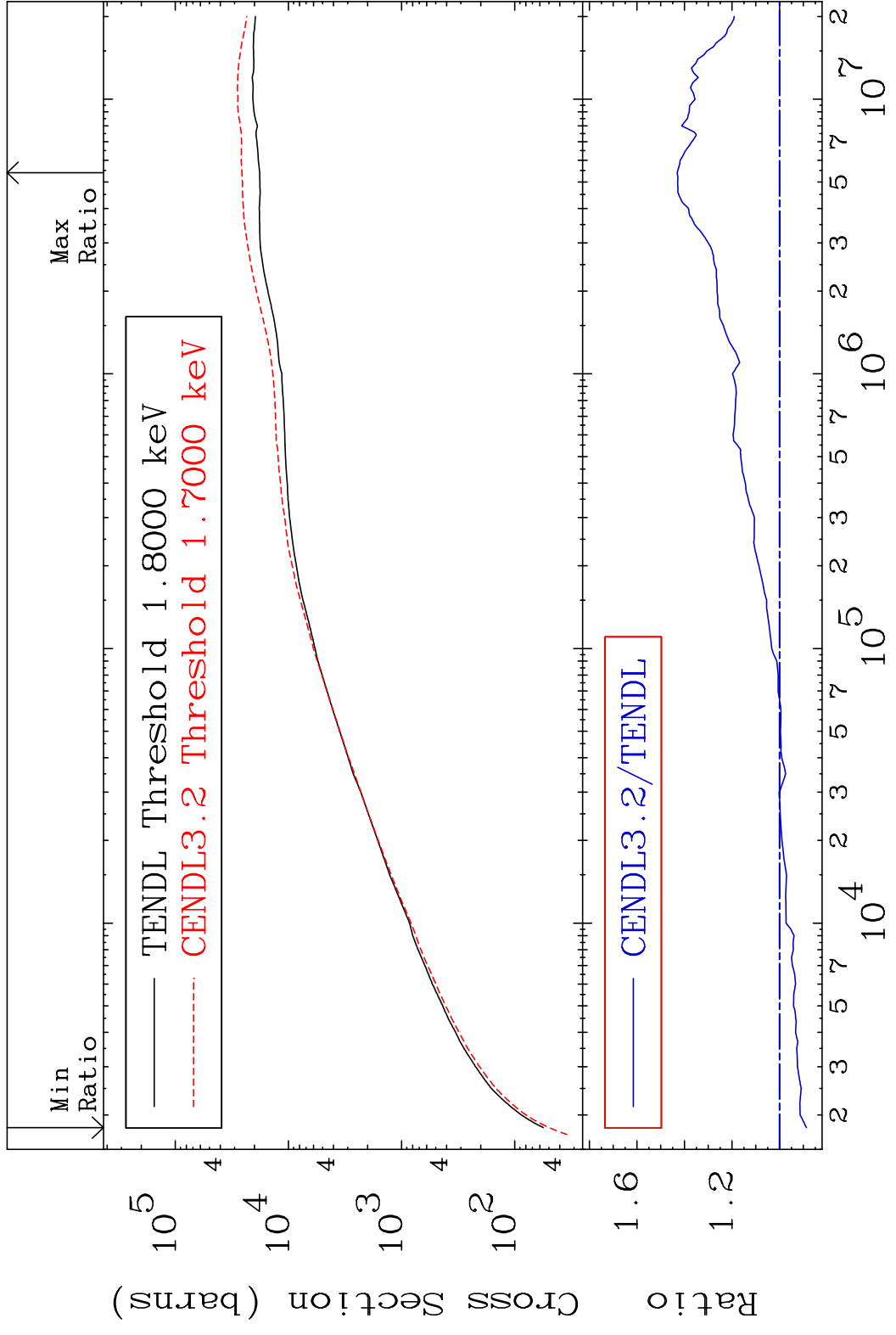
94-Pu-241

MAT 9443

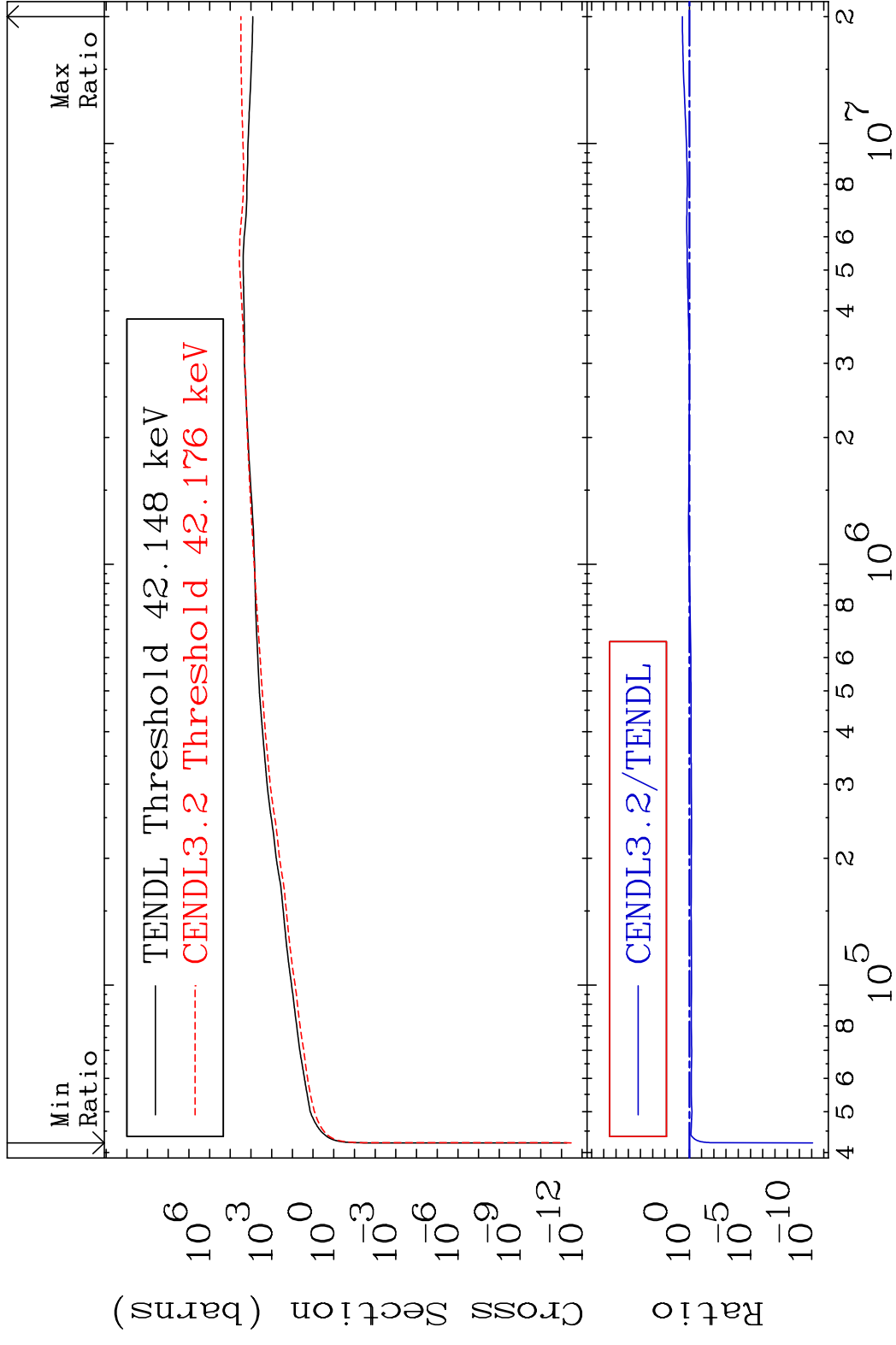
Dpa elastic (mt2)

94-Pu-241

Cross Section -11.31 To 43.09 %



MAT 9443      Dpa inelastic (mt51-91)      94-Pu-241  
 Cross Section    -100.0 To 274.6 %



MAT 9443 Dpa disappearance (mt102 -120) 94-Pu-241  
 Cross Section 648.3 To 9999. %

