

Program Complot  
(Version 2021-1)

by

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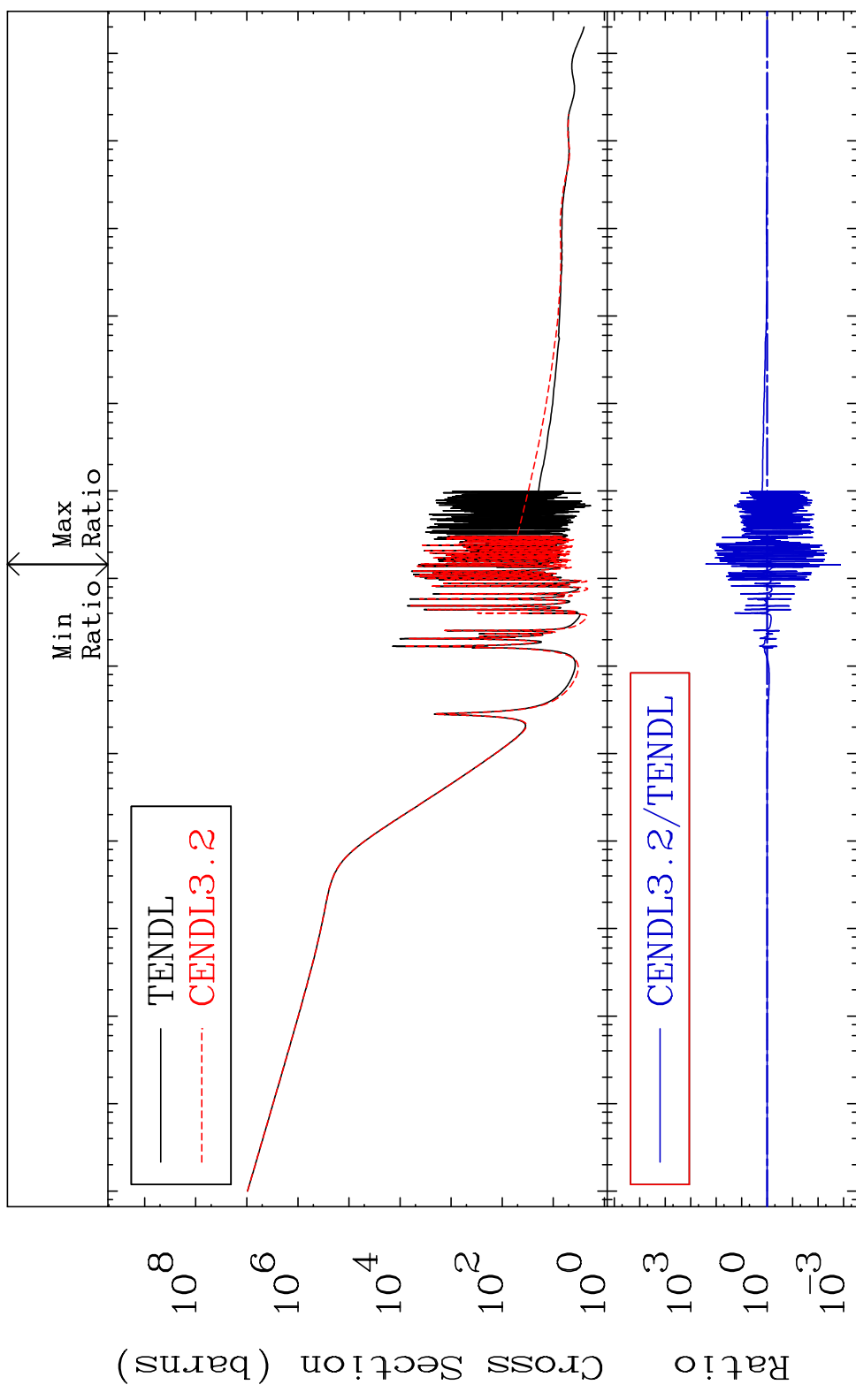
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6440

Total Cross Section -99.87 To 9999. %

64-Gd-157

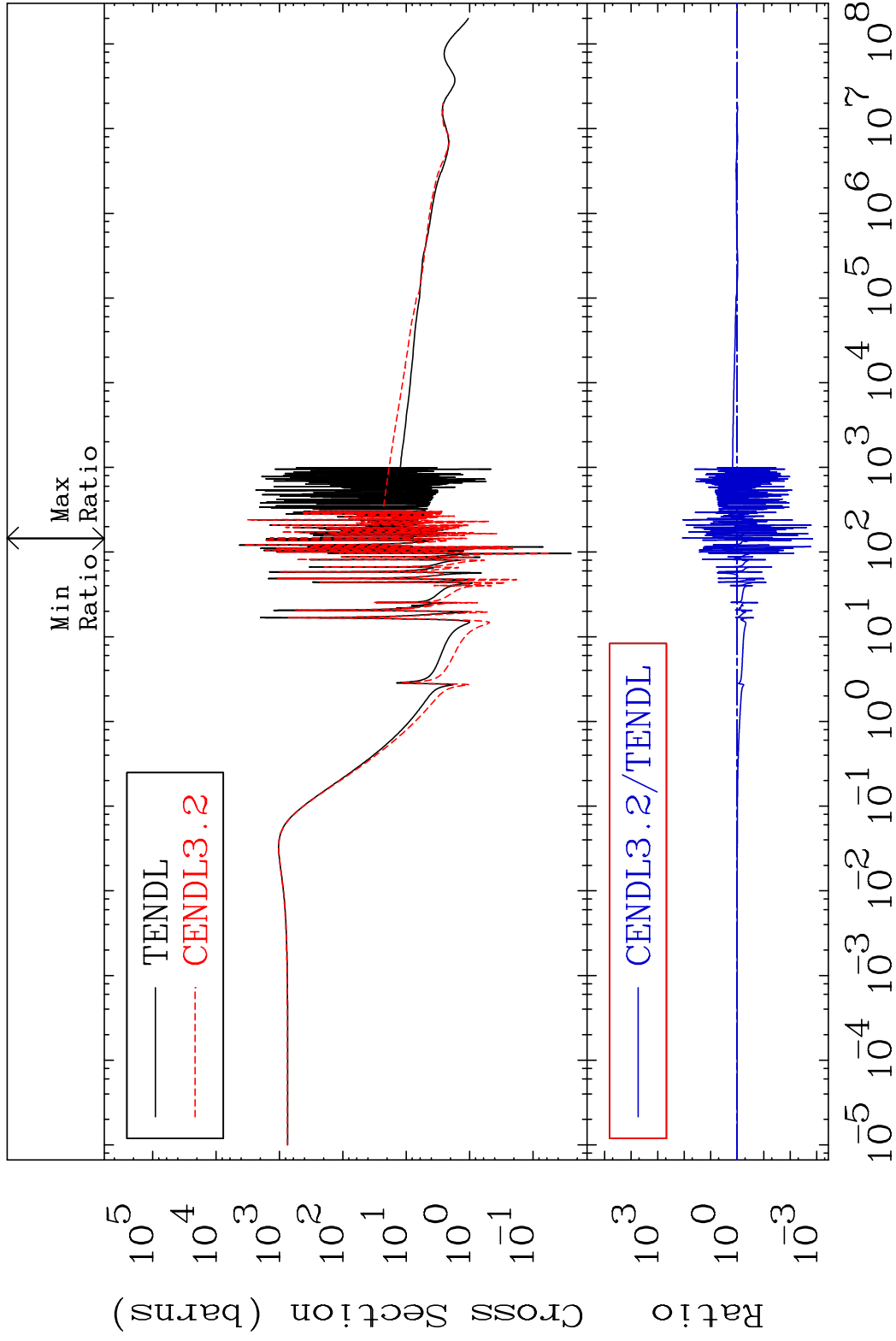


MAT 6440

Elastic

64-Gd-157

Cross Section -99.86 To 9999. %

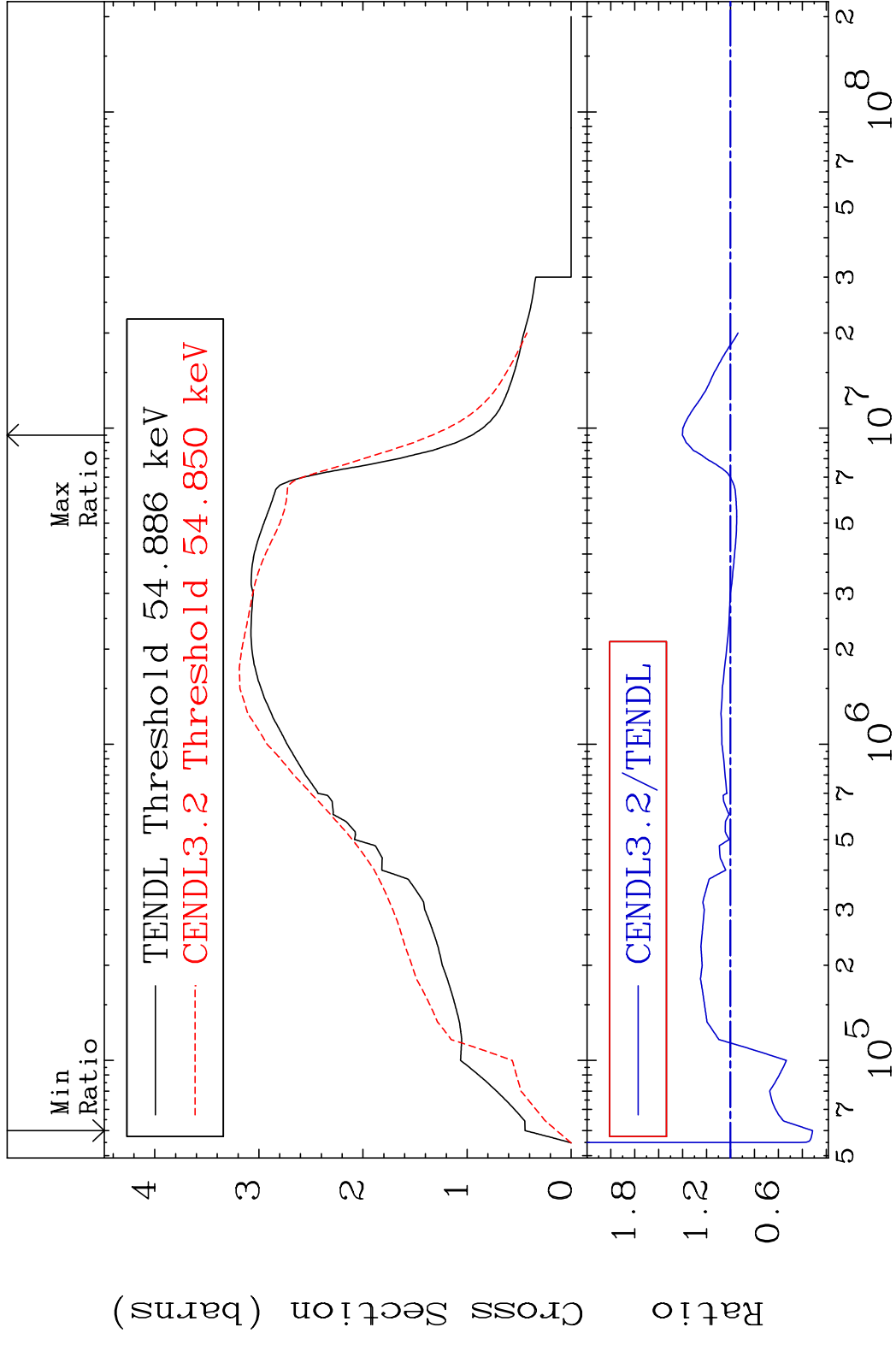


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Incident Energy (eV)

64-Gd-157

MAT 6440 Inelastic Cross Section -68.62 To 40.13 % 64-Gd-157

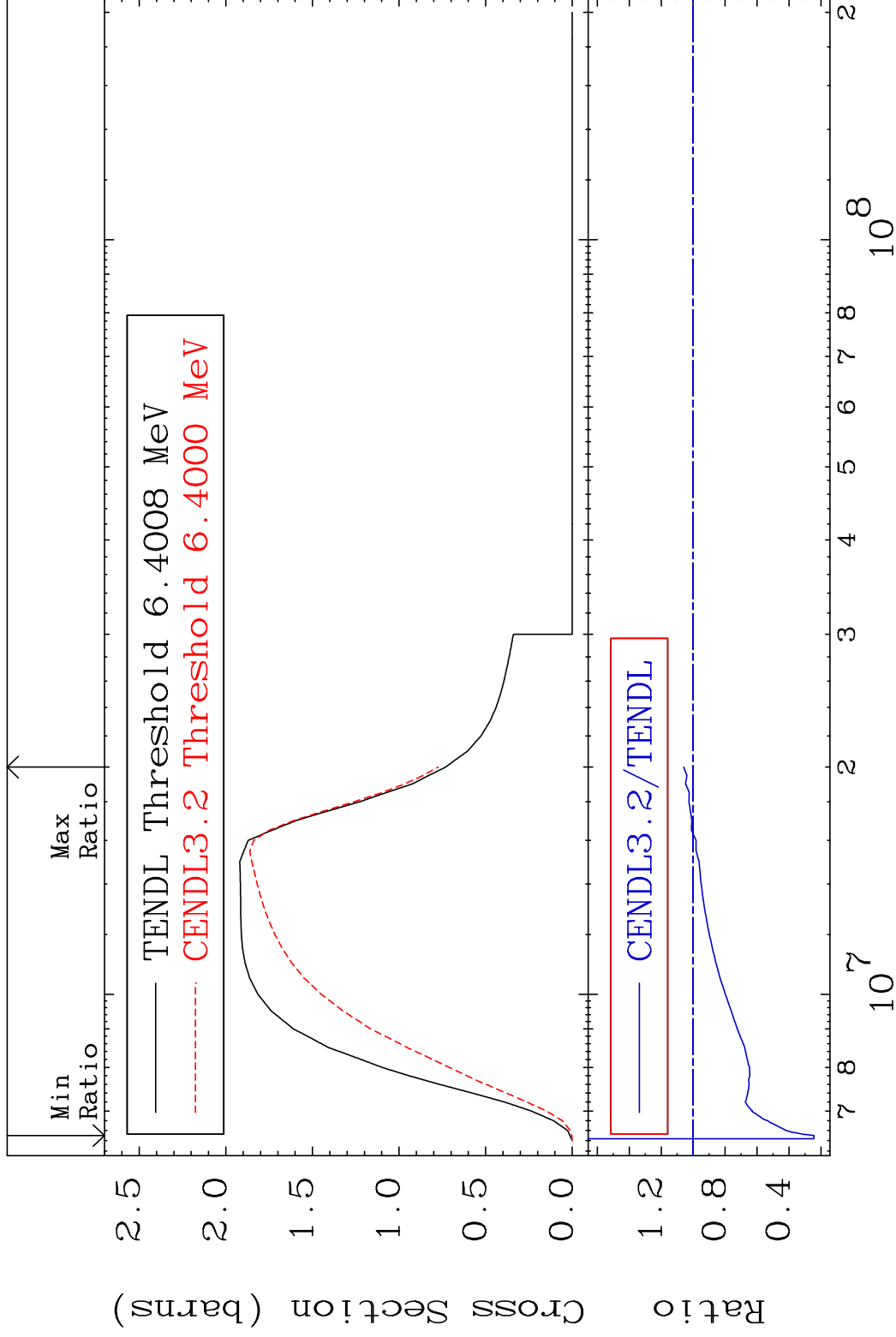


MAT 6440

(n,2n)

64-Gd-157

Cross Section -75.72 To 5.939 %

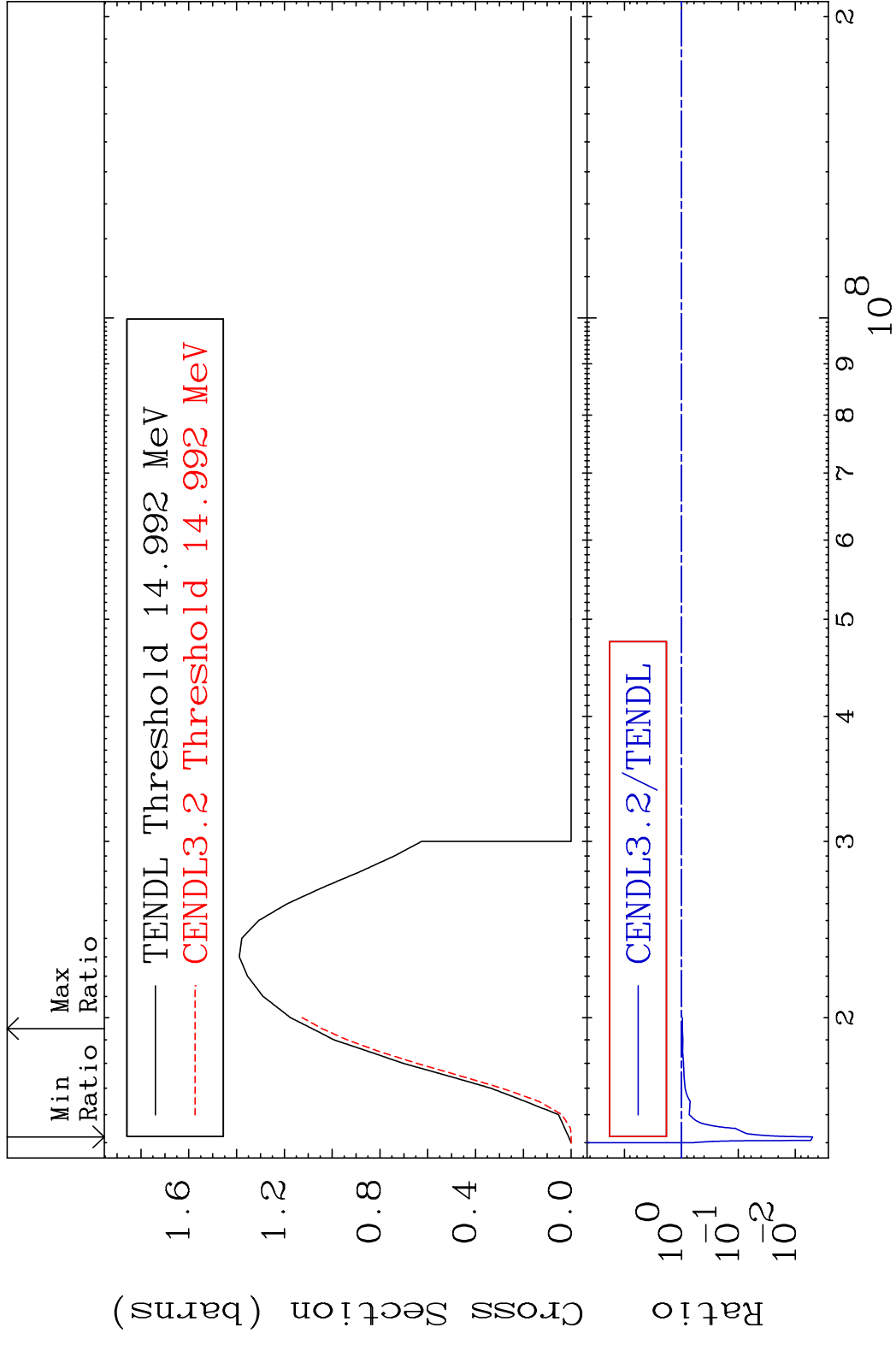


4

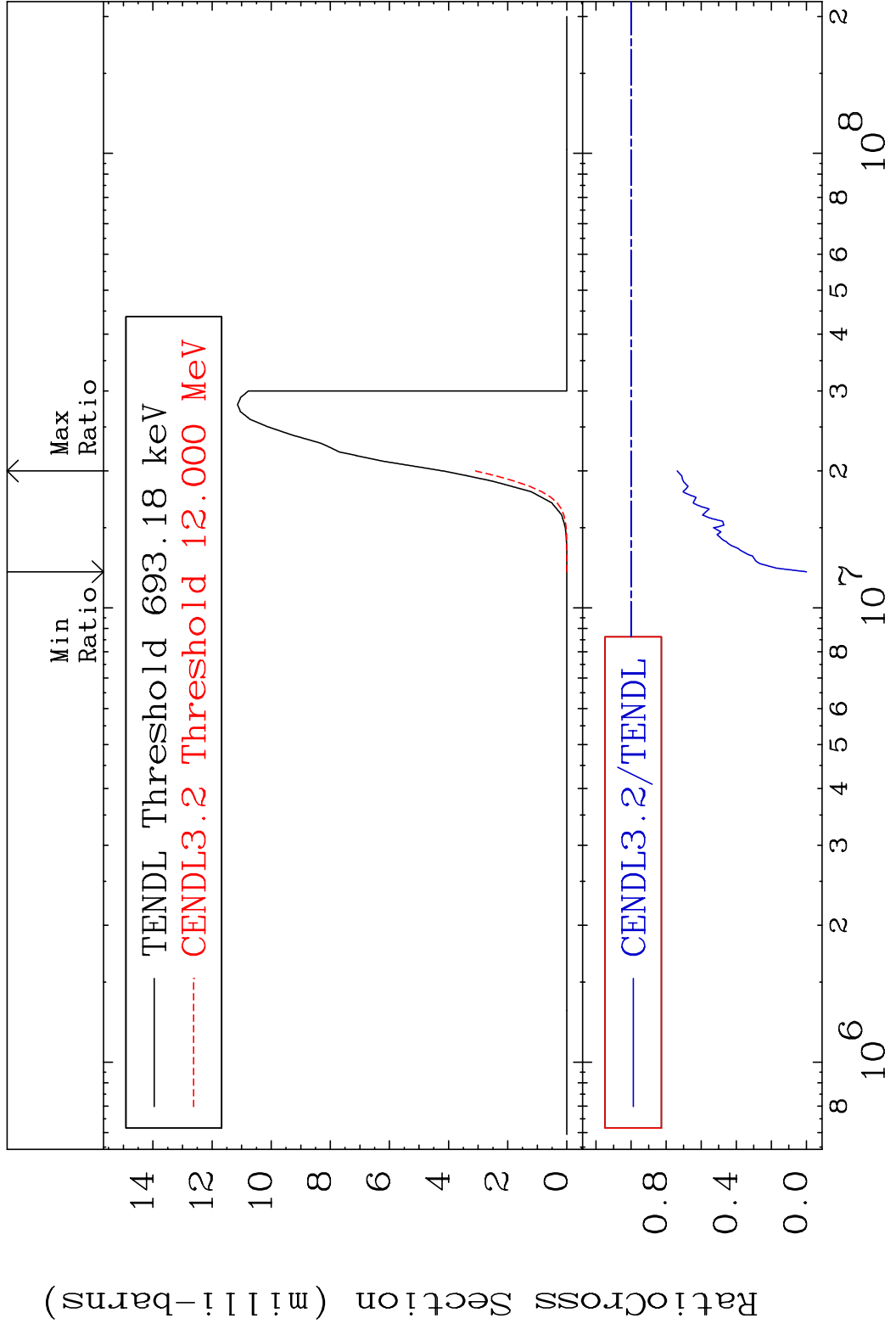
Incident Energy (eV)

64-Gd-157

MAT 6440 (n,3n) 64-Gd-157  
 Cross Section -99.50 To -3.776%

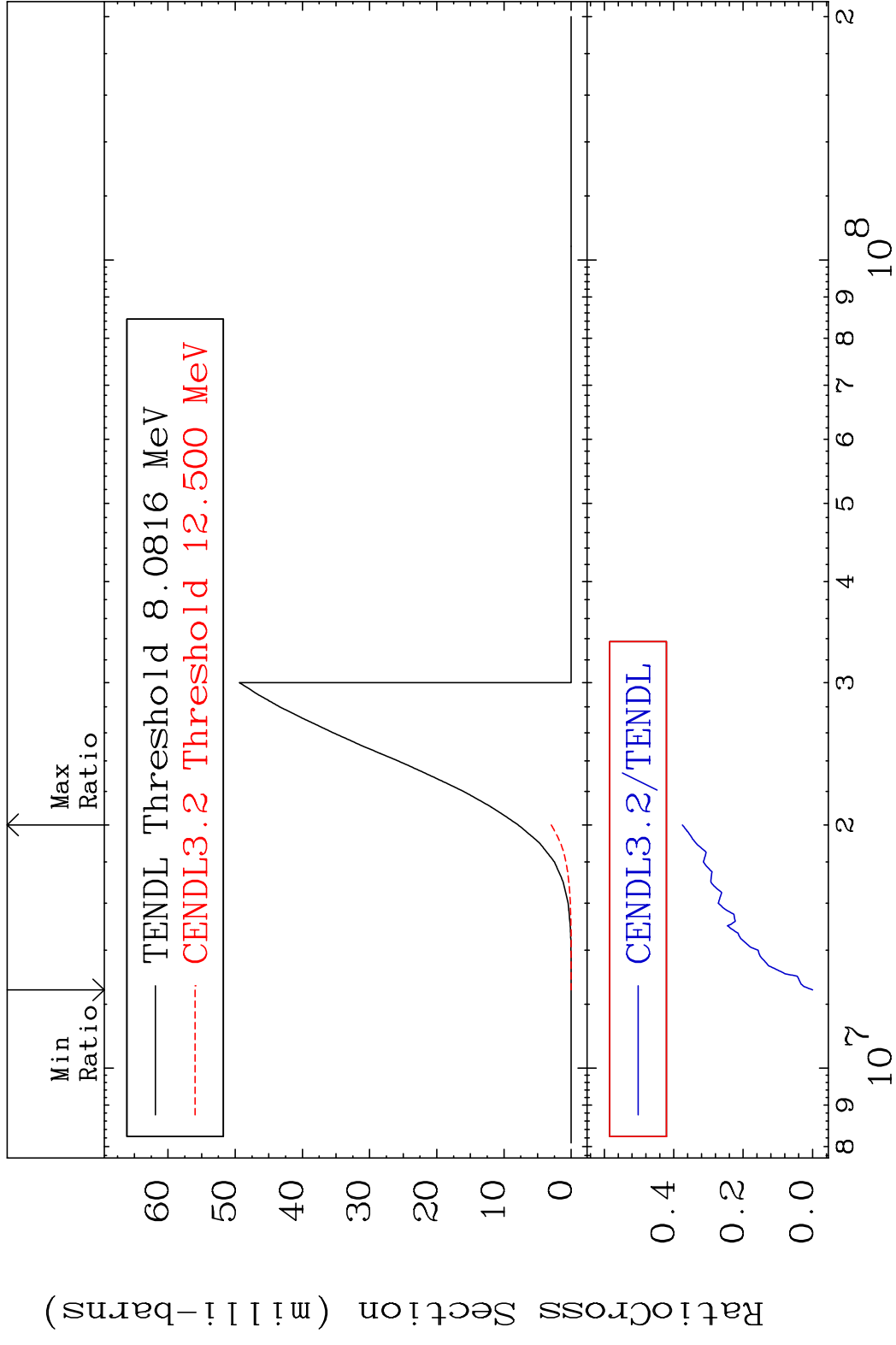


MAT 6440 (n, n')  $\alpha$  64-Gd-157  
 Cross Section -100.0 To -26.31%



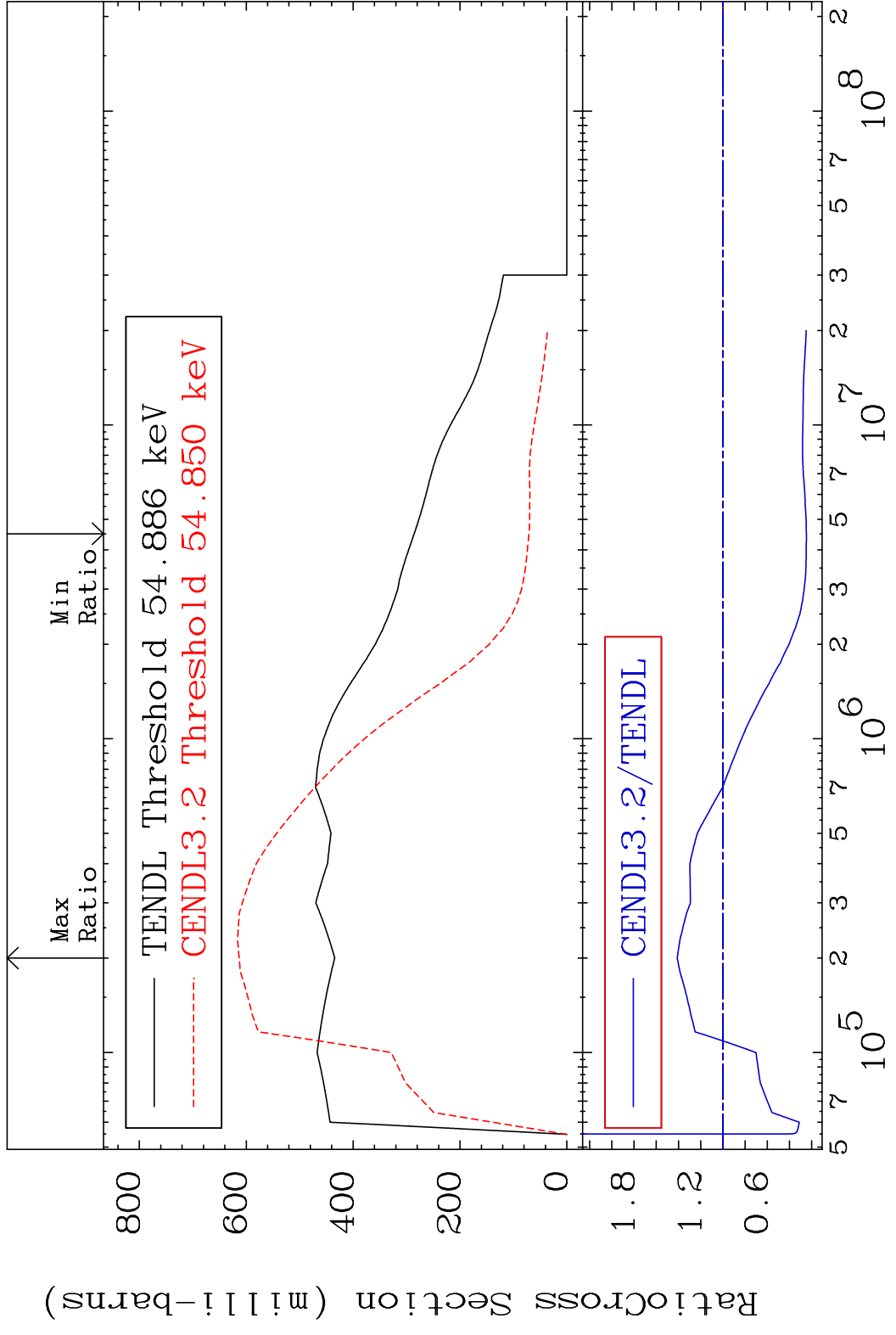
6 Incident Energy (eV) 64-Gd-157

MAT 6440 (n, n') p 64-Gd-157  
 Cross Section -100.0 To -62.48%

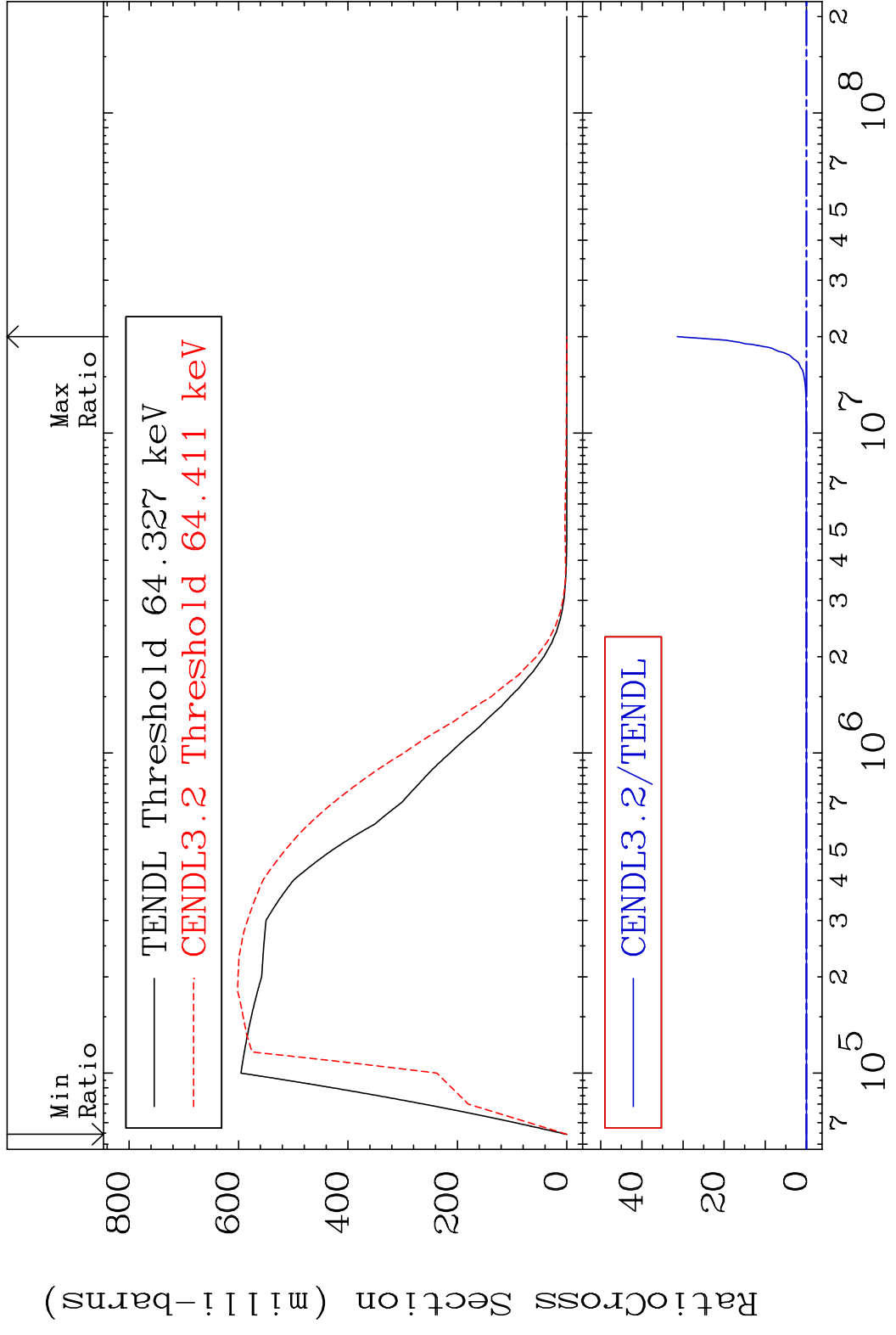




MAT 6440 MT= 51 (n, n') Level 64-Gd-157  
 Cross Section -75.17 To 41.16 %

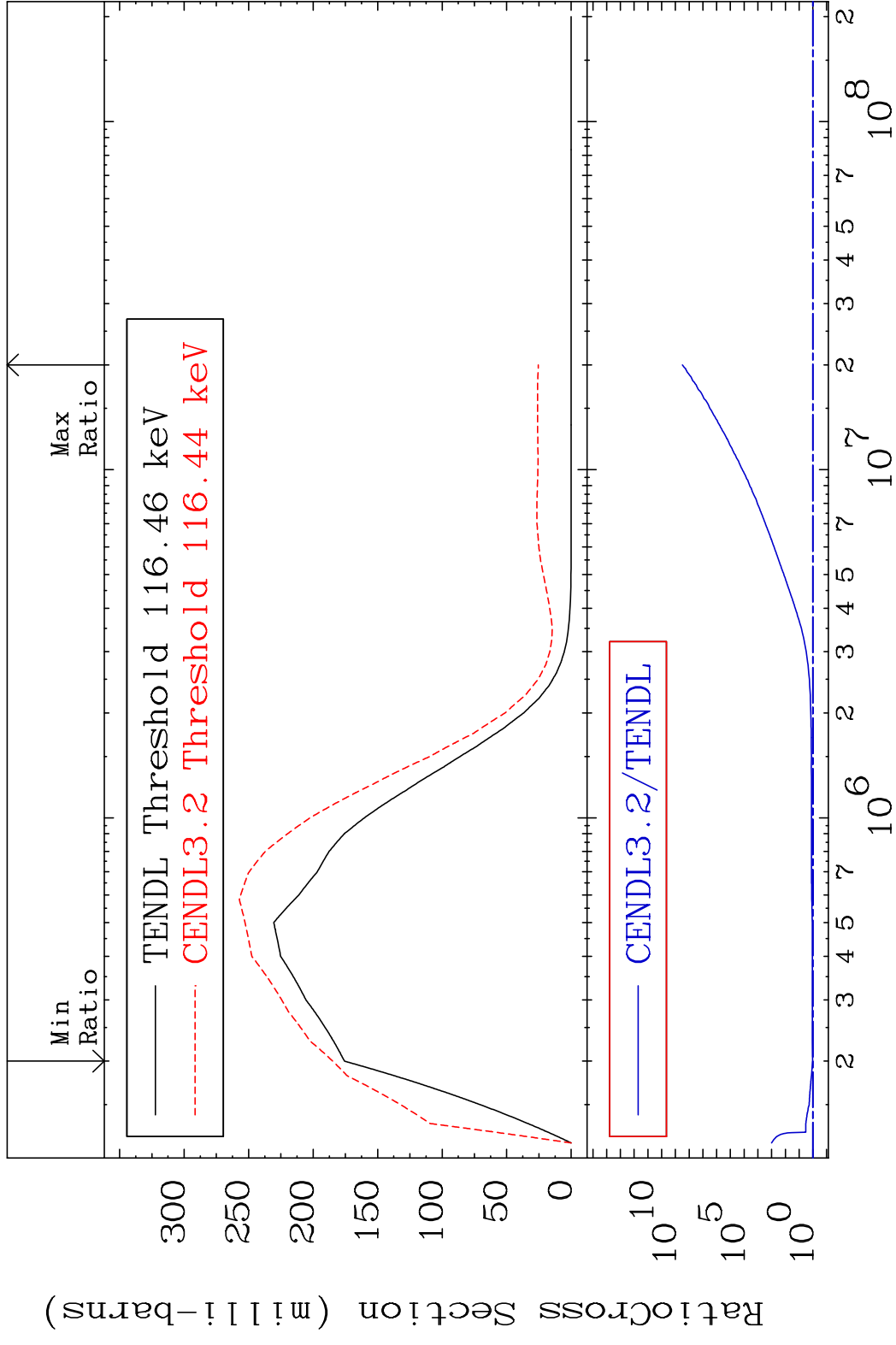


MAT 6440 MT= 52 (n,n') Level 64-Gd-157  
 Cross Section -100.0 To 9999. %

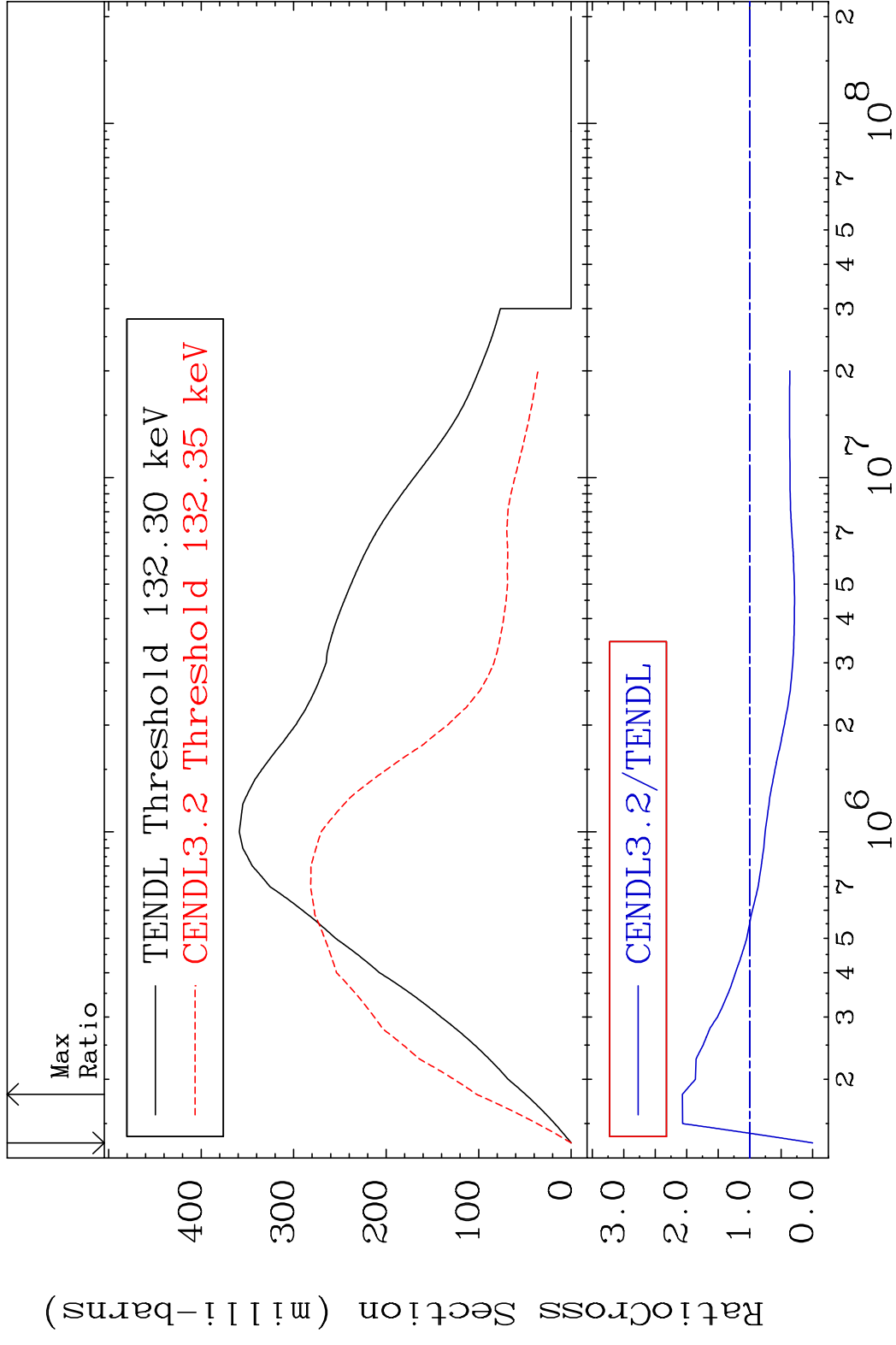


9 Incident Energy (eV) 64-Gd-157

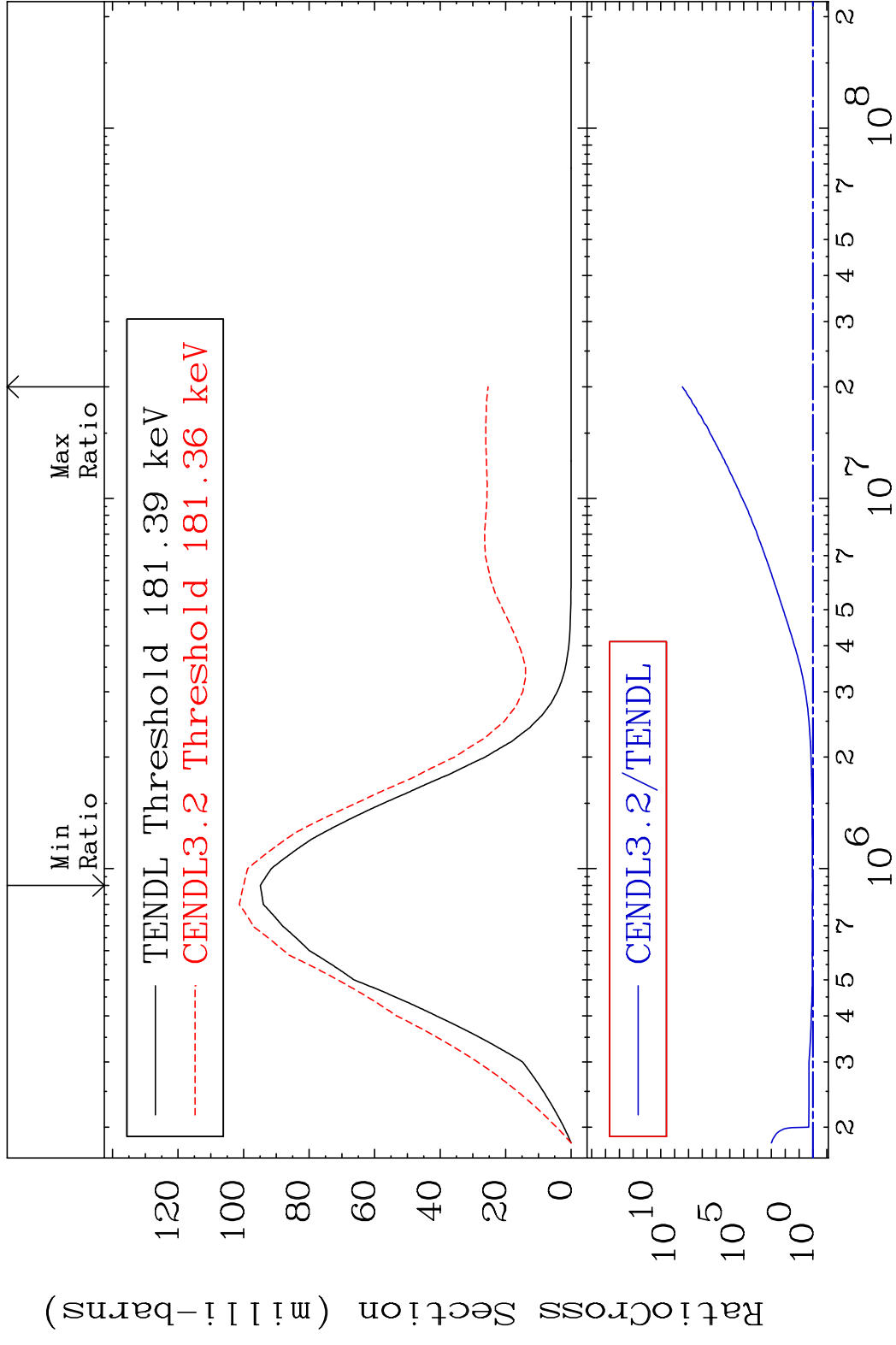
MAT 6440 MT= 53 (n, n') Level 64-Gd-157  
 Cross Section 5.209 To 9999. %



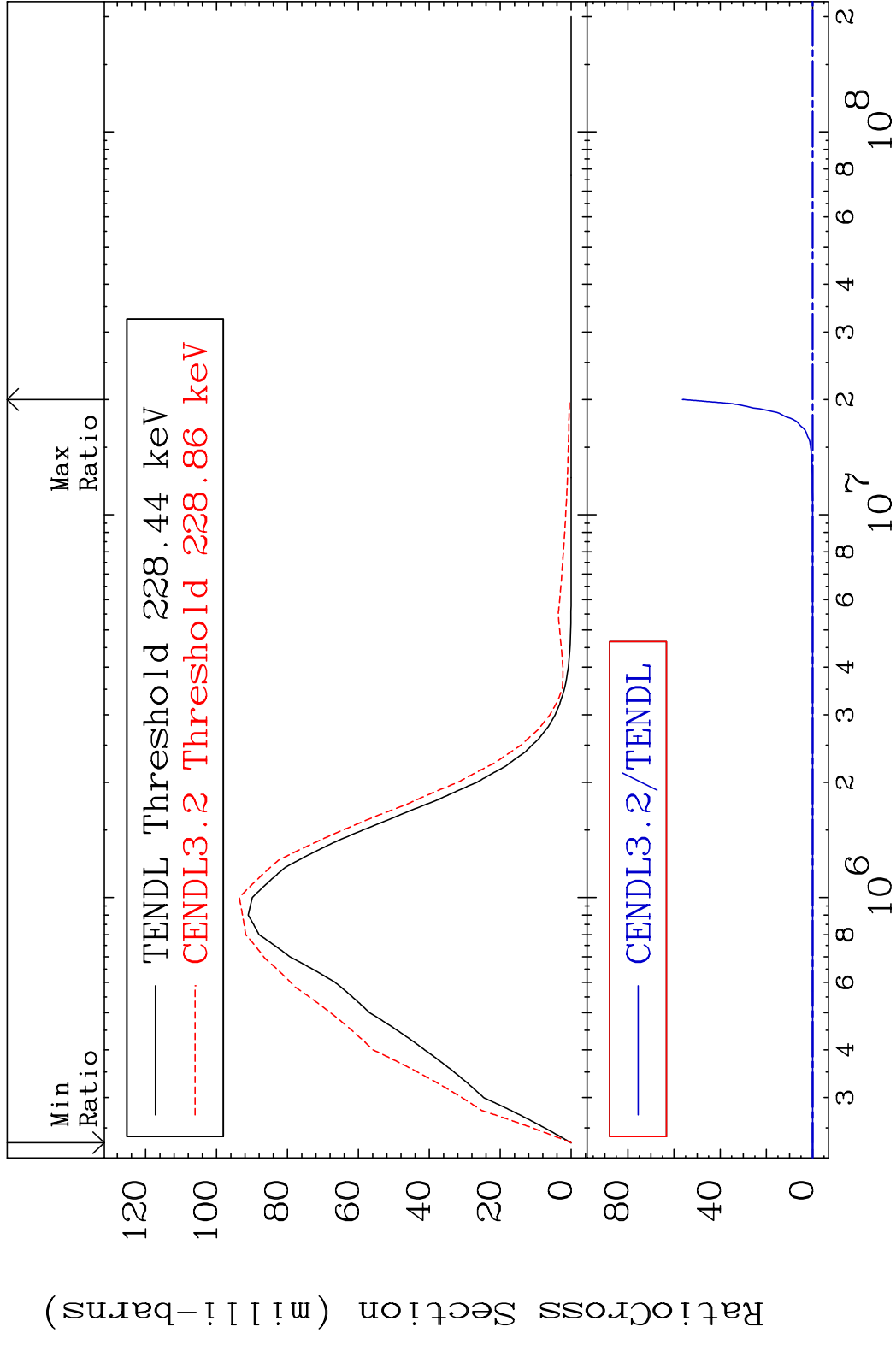
MAT 6440 MT= 54 (n,n') Level 64-Gd-157  
 Cross Section -100.0 To 107.0 %



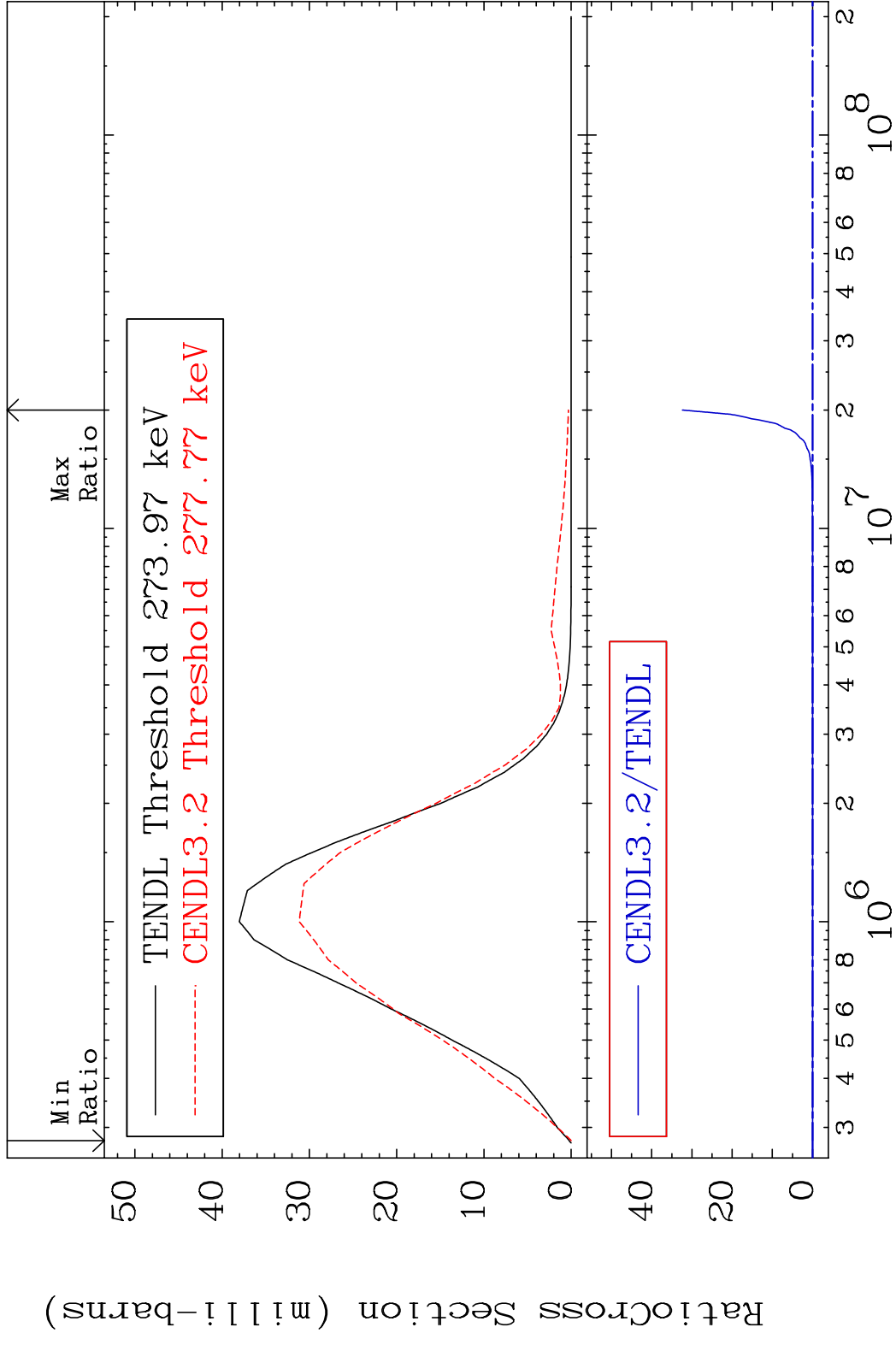
MAT 6440 MT= 55 (n, n') Level 64-Gd-157  
 Cross Section 5.408 To 9999. %



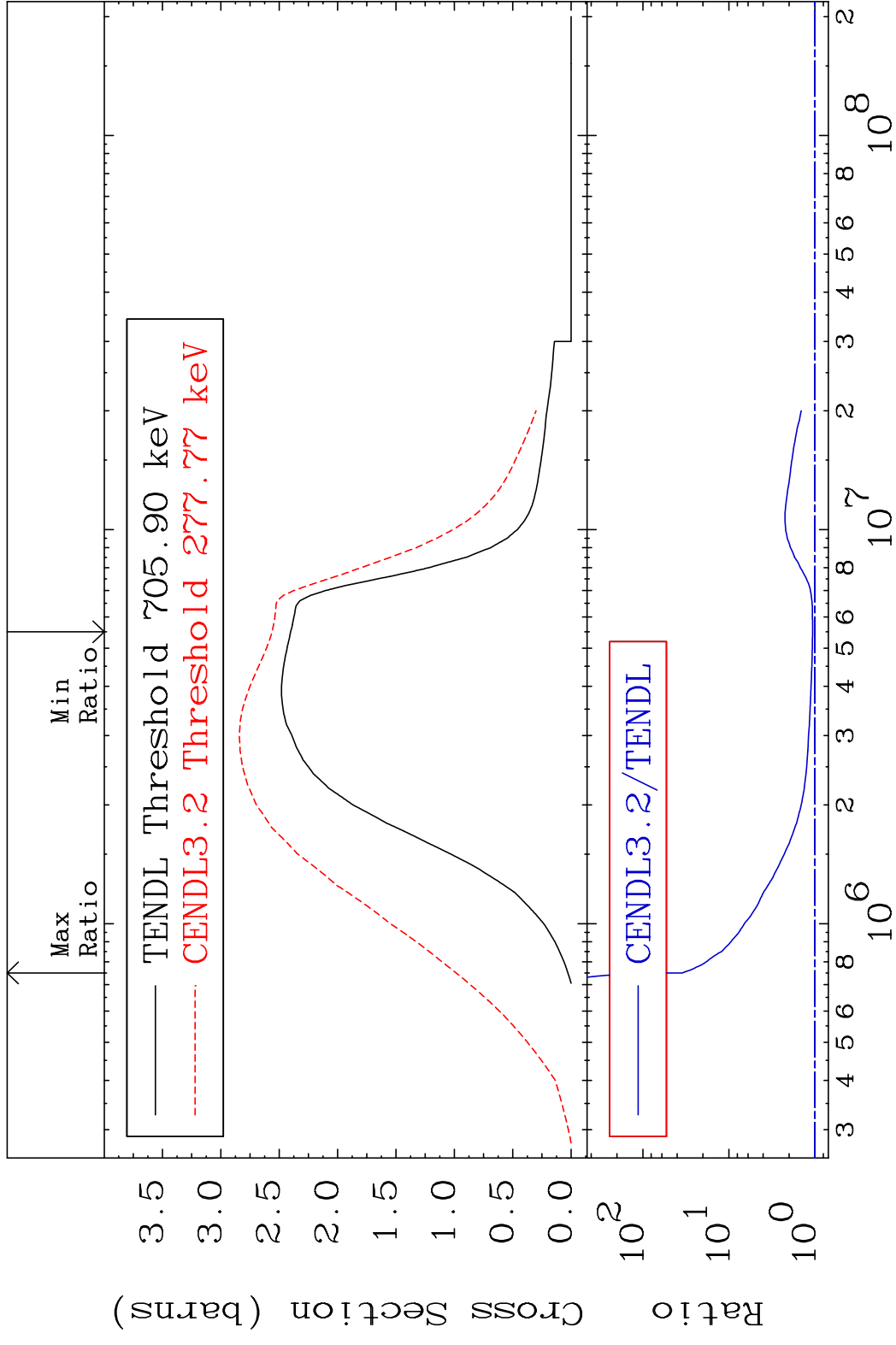
MAT 6440 MT= 56 (n,n') Level 64-Gd-157  
 Cross Section -100.0 To 9999. %



MAT 6440 MT= 57 (n,n') Level 64-Gd-157  
 Cross Section -100.0 To 9999. %



MAT 6440 (n, n') Continuum 64-Gd-157  
 Cross Section 6.618 To 3376. %



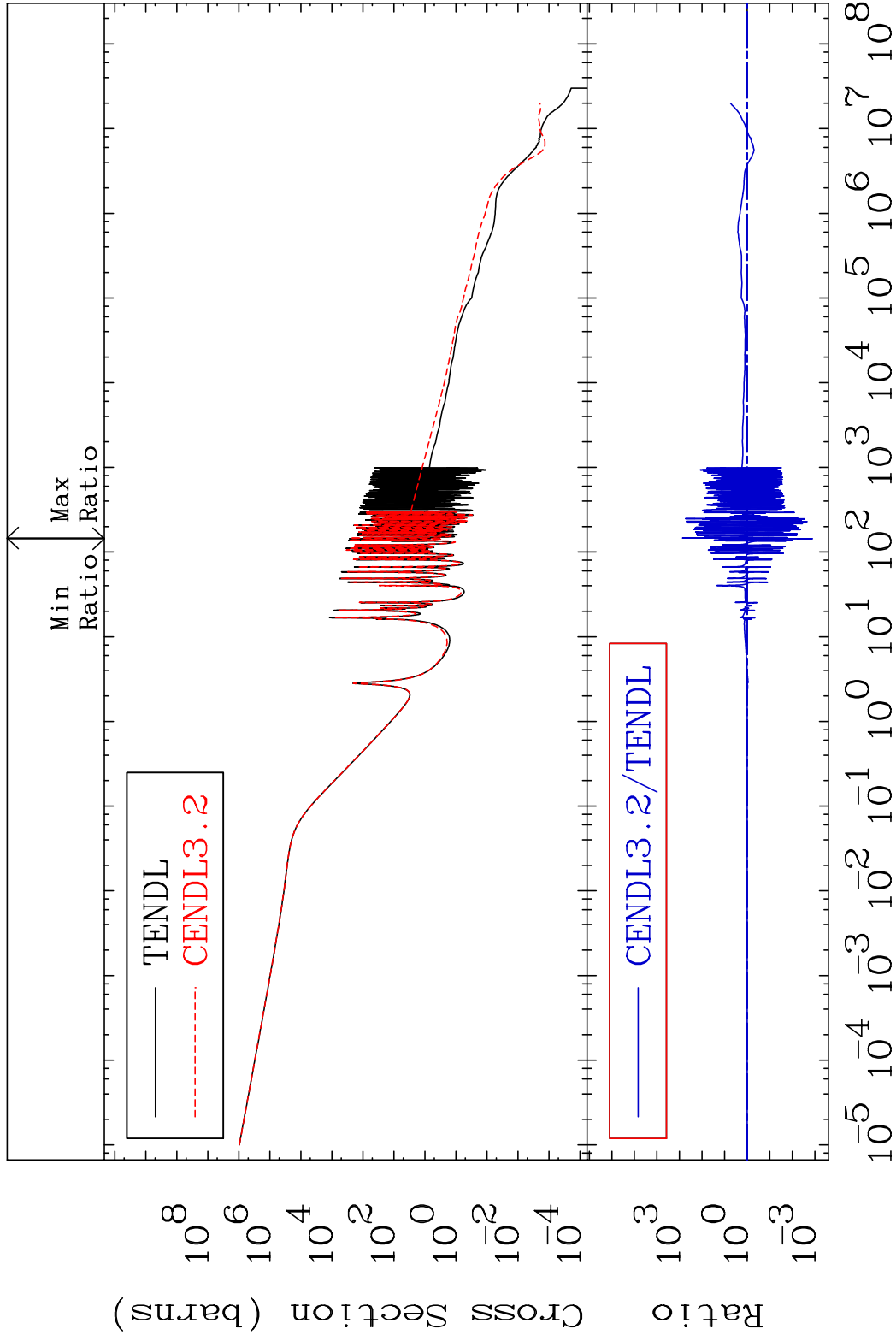


MAT 6440

(n,  $\gamma$ )

64-Gd-157

Cross Section -99.87 To 9999. %



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Incident Energy (eV)

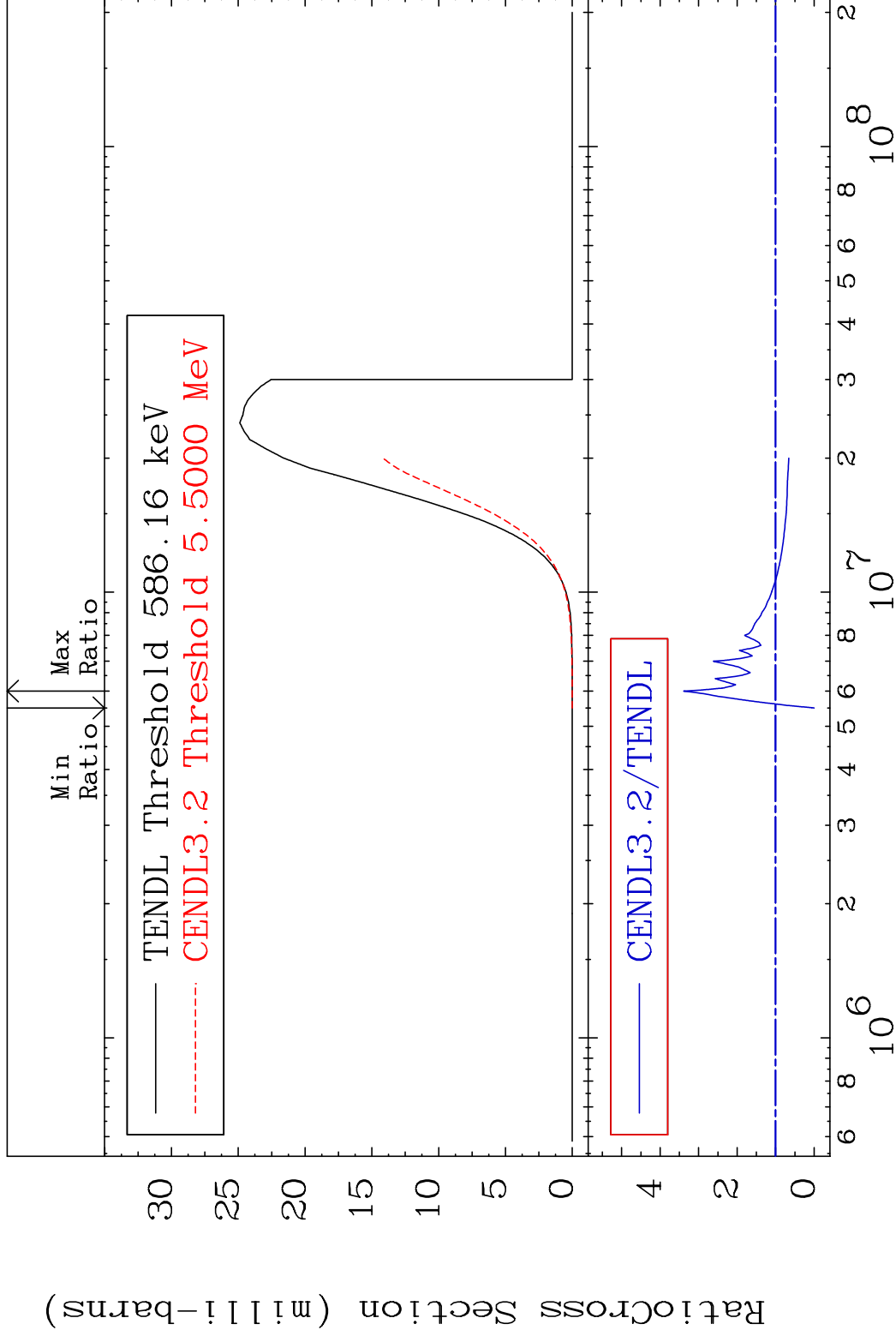
64-Gd-157

MAT 6440

(n, p)

64-Gd-157

Cross Section -100.0 To 238.9 %

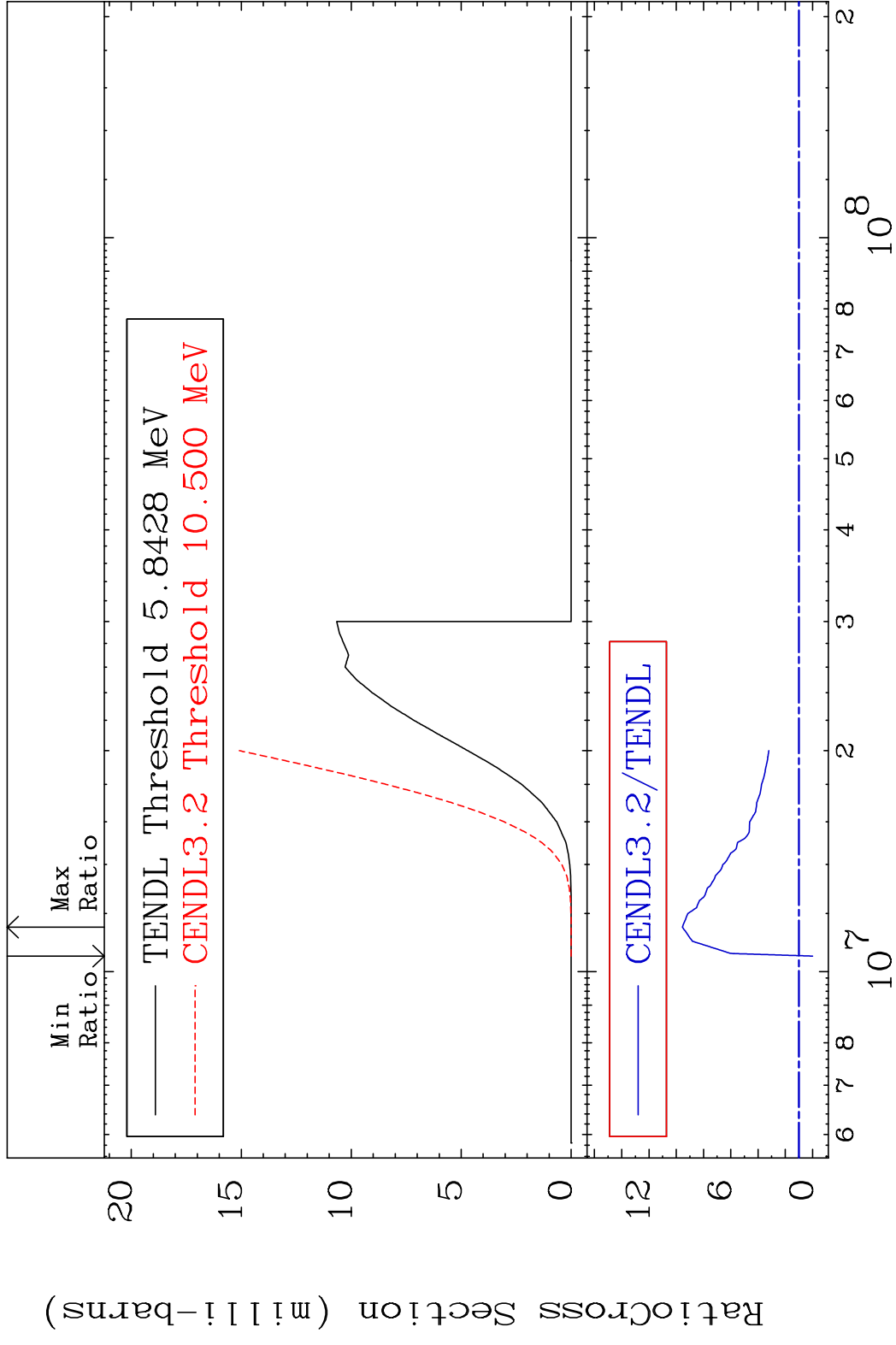


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Incident Energy (eV)

64-Gd-157

MAT 6440 (n,d) 64-Gd-157  
 Cross Section -100.0 To 855.2 %

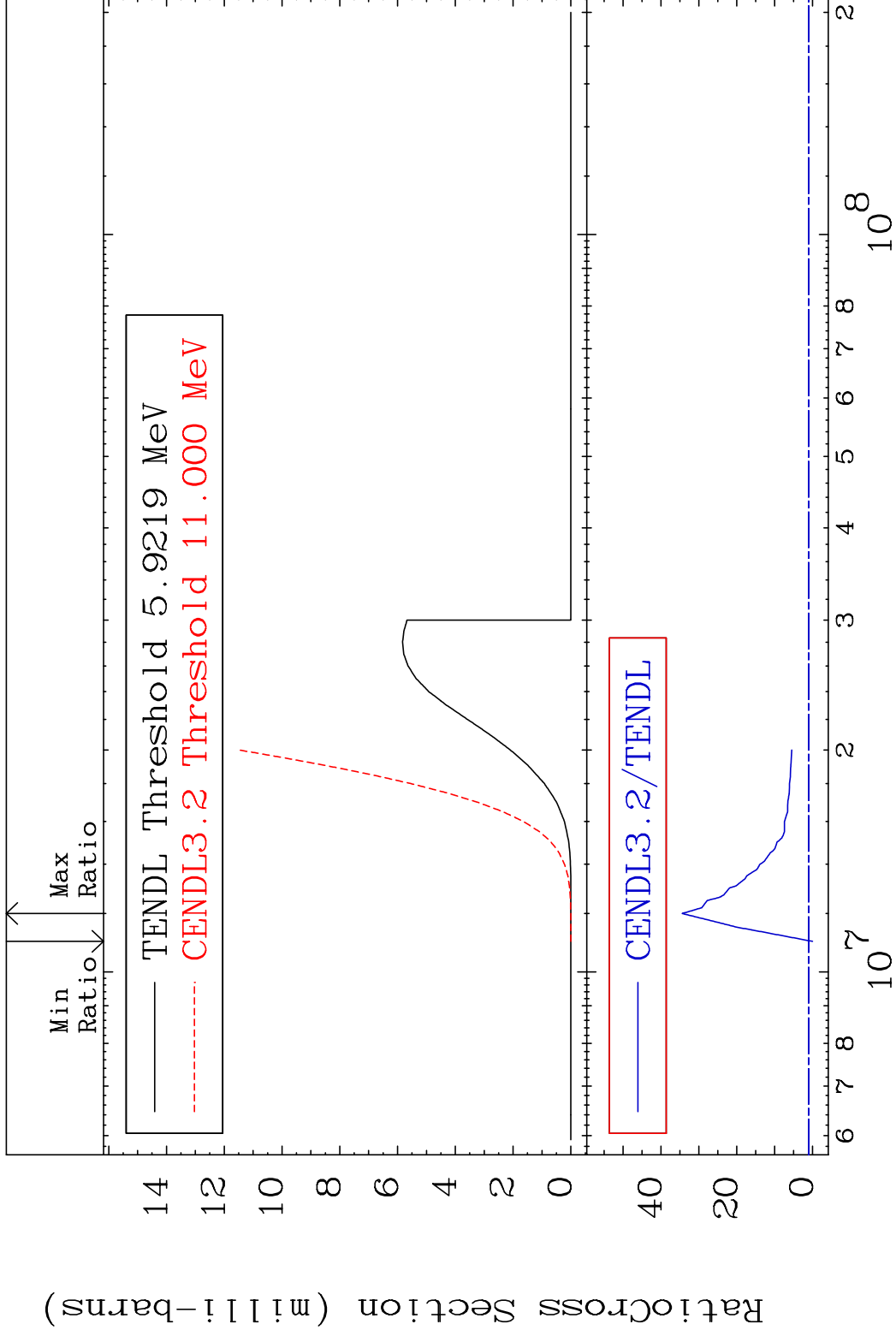


MAT 6440

(n, t)

64-Gd-157

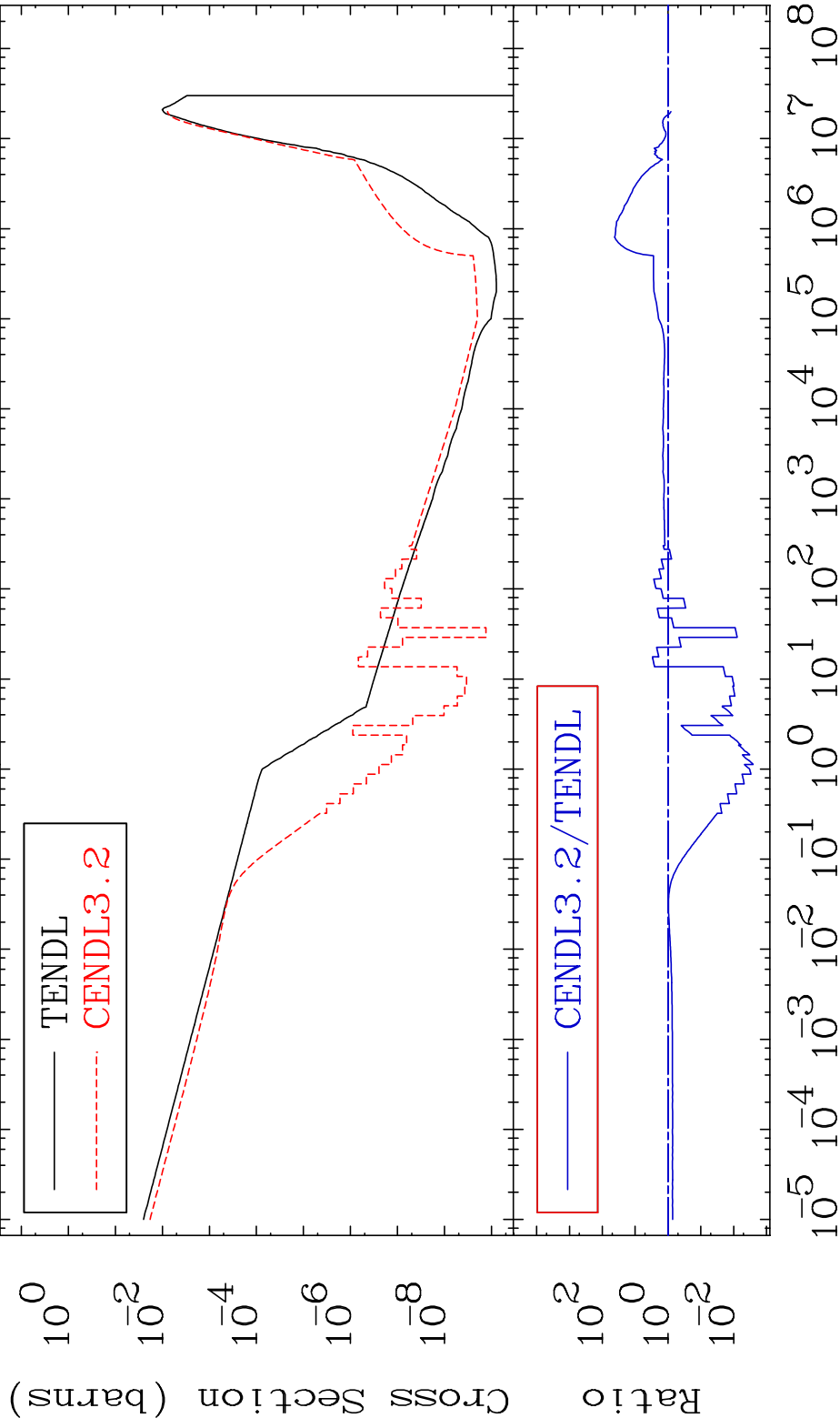
Cross Section -100.0 To 3341. %



MAT 6440

(n,  $\alpha$ )  
Cross Section -99.74 To 4110. %

64-Gd-157



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Incident Energy (eV)

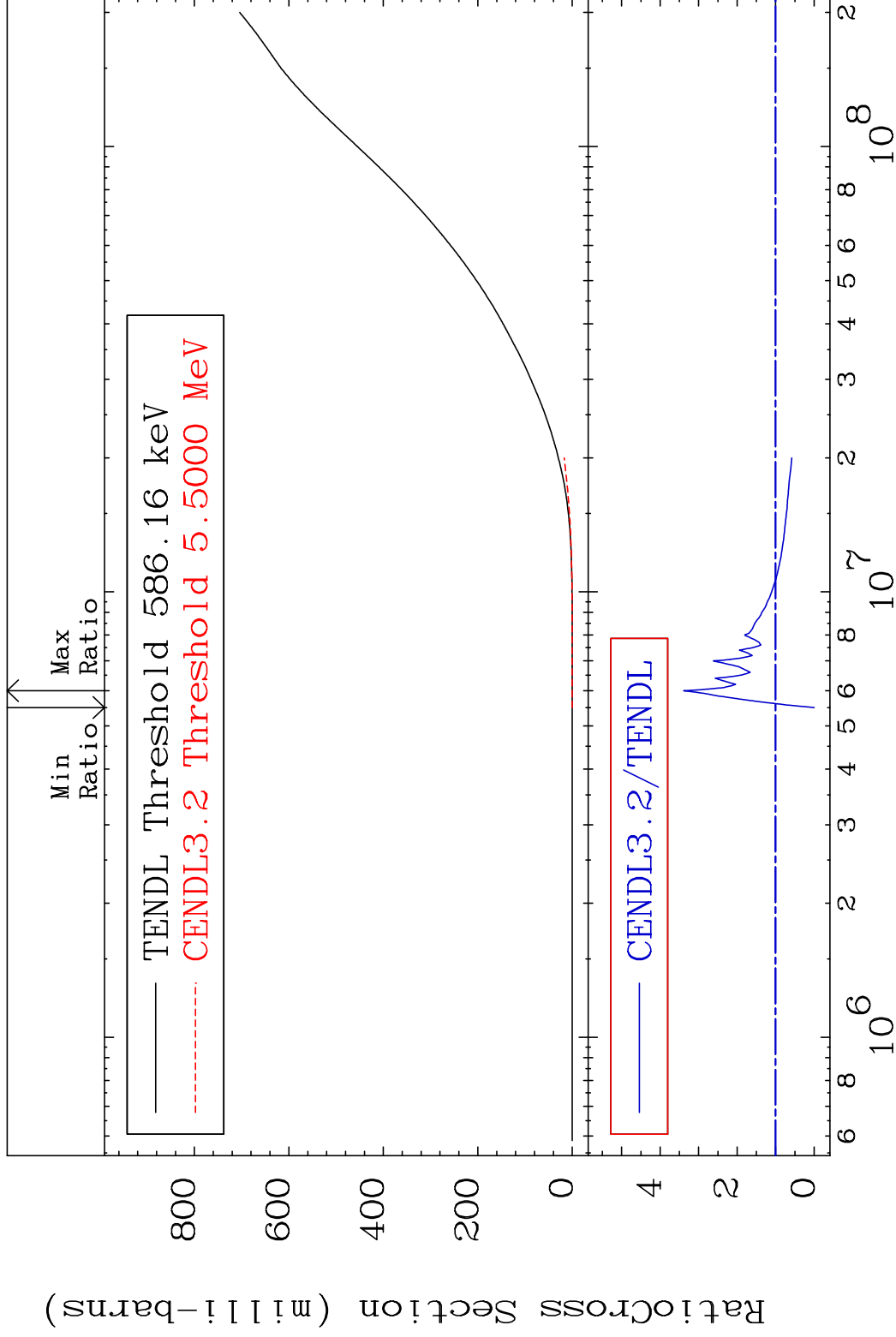
64-Gd-157

MAT 6440

Hydrogen Production

64-Gd-157

Cross Section -100.0 To 238.9 %

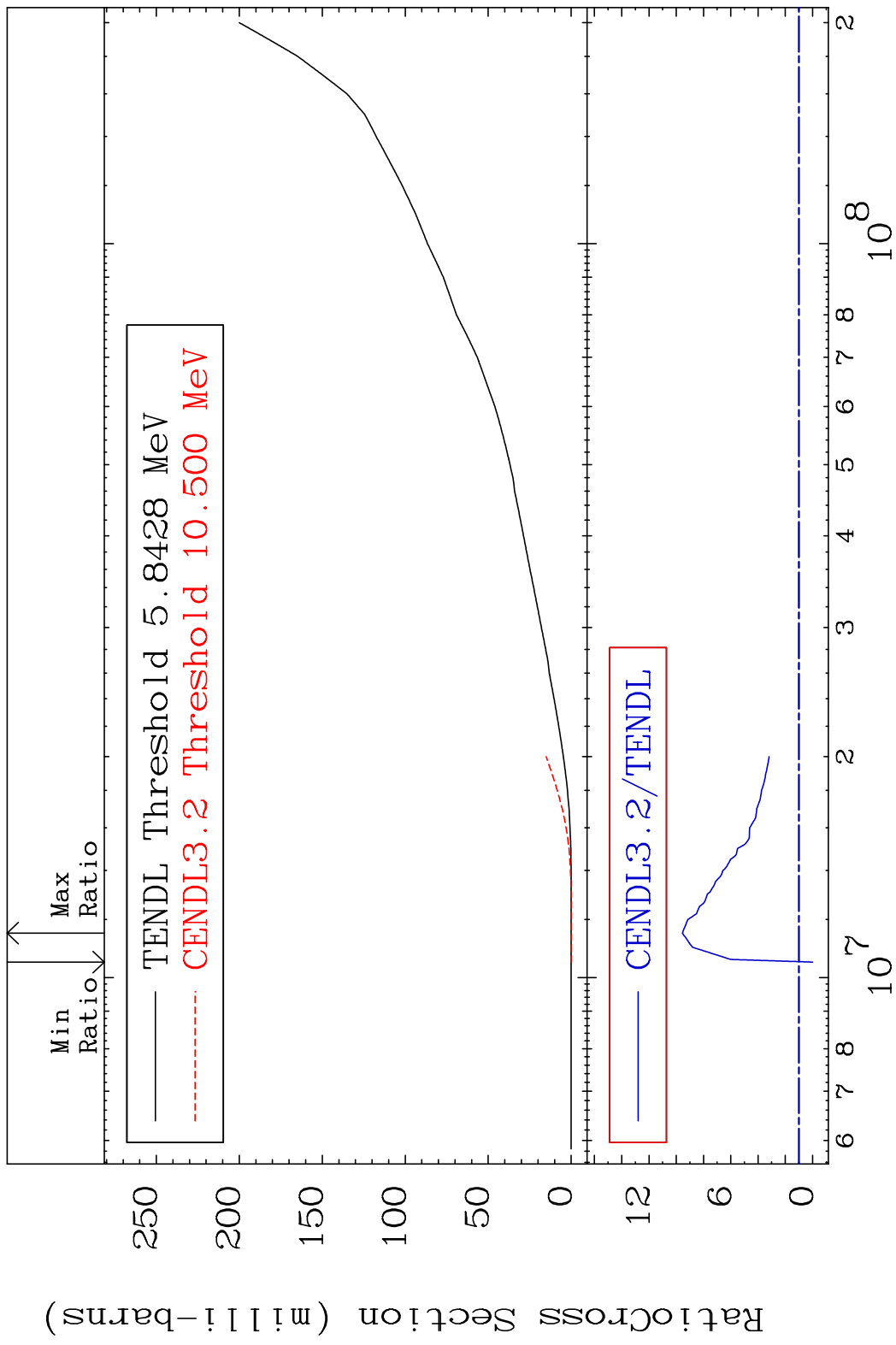


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Incident Energy (eV)

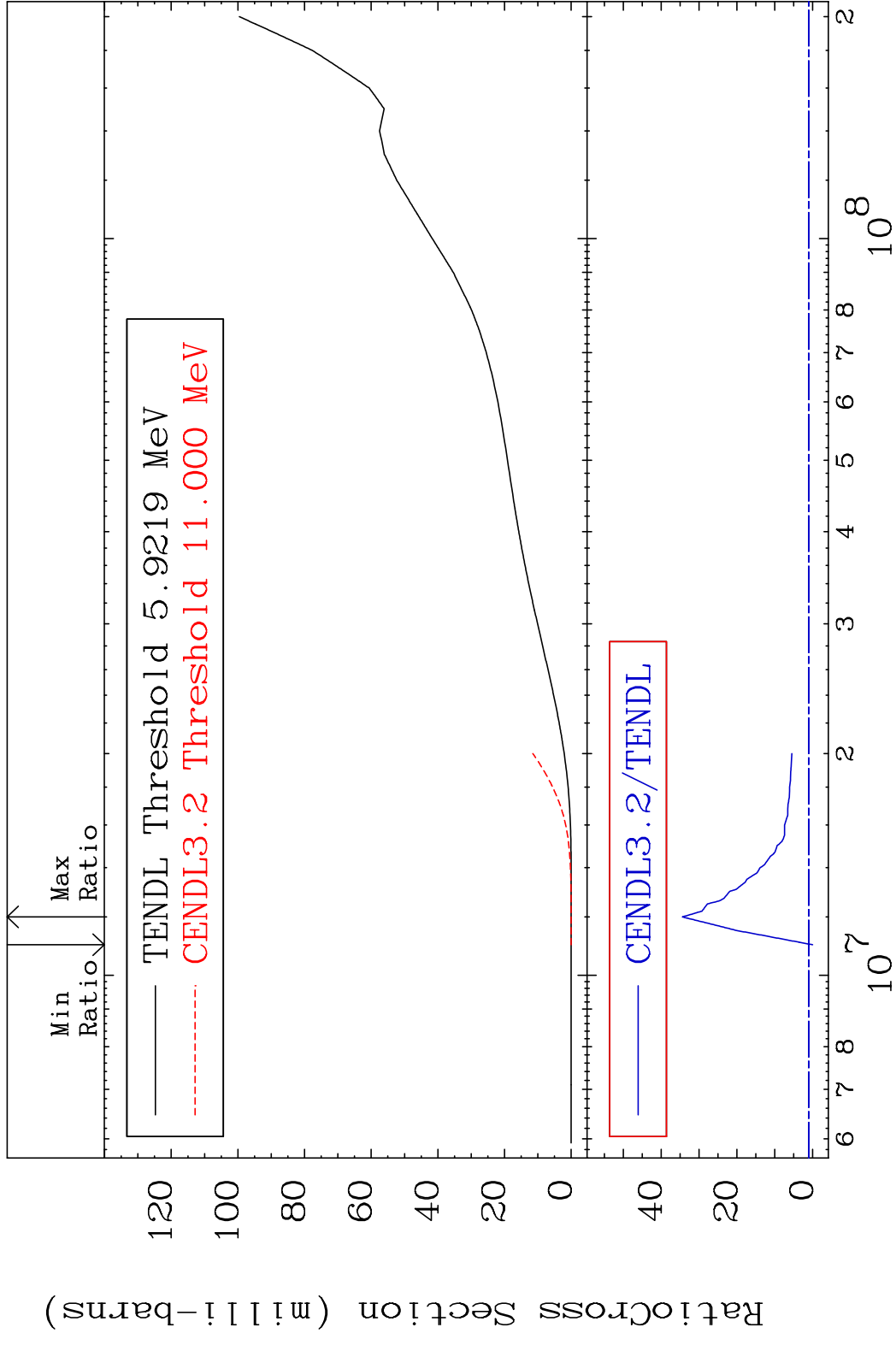
64-Gd-157

MAT 6440 Deuterium Production 64-Gd-157  
 Cross Section -100.0 To 855.2 %



MAT 6440

Tritium Production 64-Gd-157  
Cross Section -100.0 To 3341. %



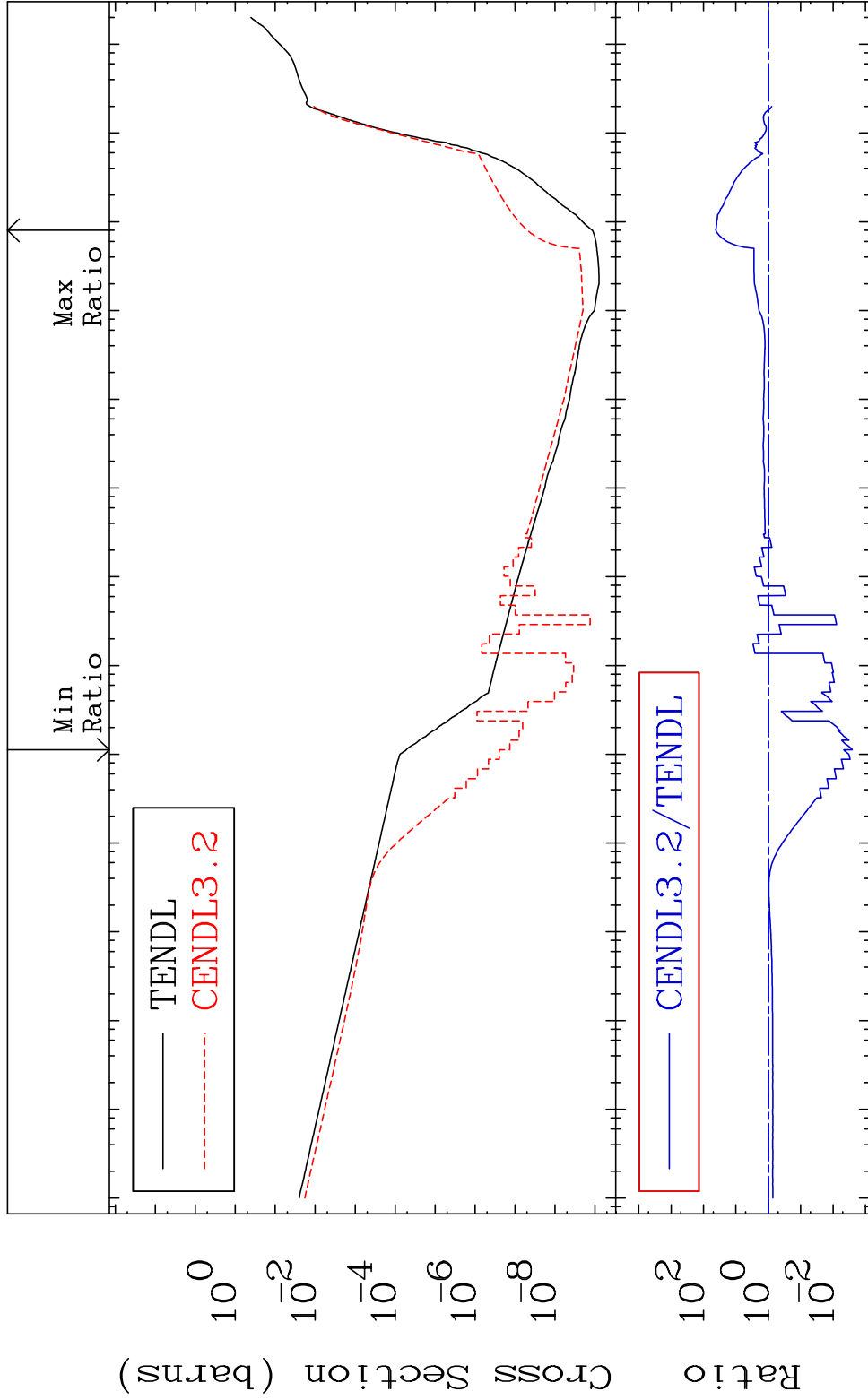


MAT 6440

He-4 Production

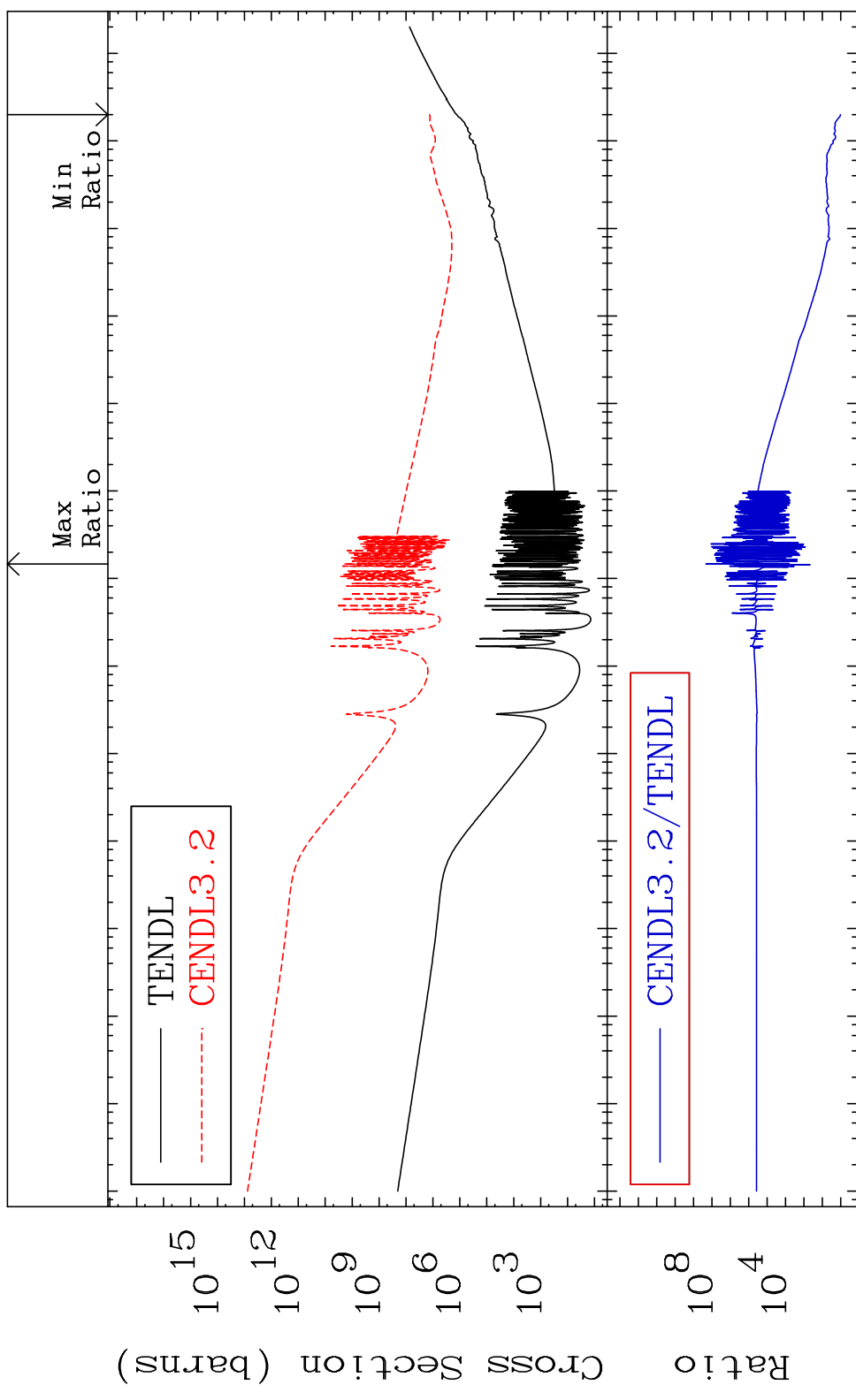
64-Gd-157

Cross Section -99.74 To 4110. %



MAT 6440

Kerma total (eV-barns) 64-Gd-157  
Cross Section 926.5 To 9999. %

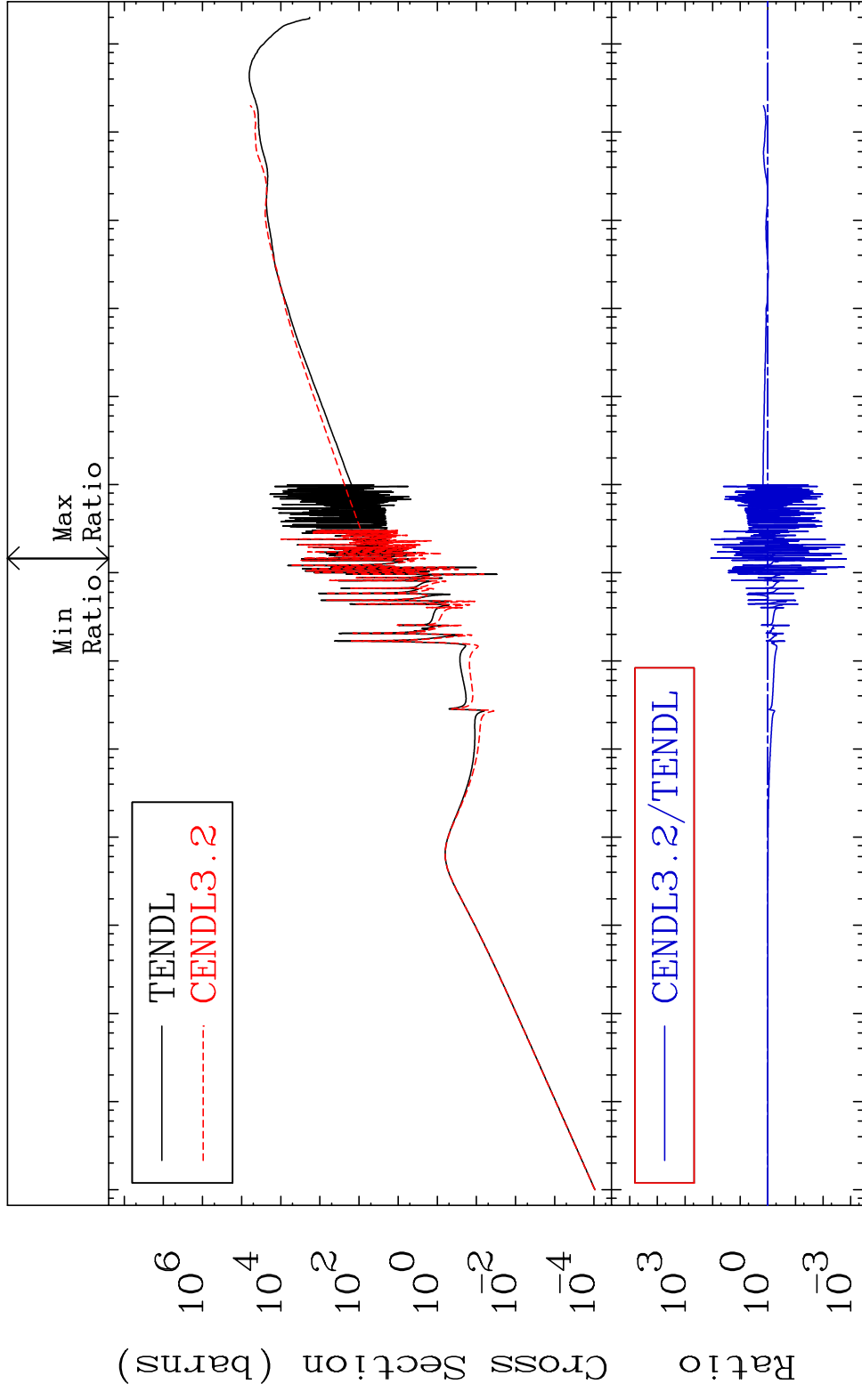


Ratio  
10<sup>8</sup>  
10<sup>4</sup>  
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
Incident Energy (eV)

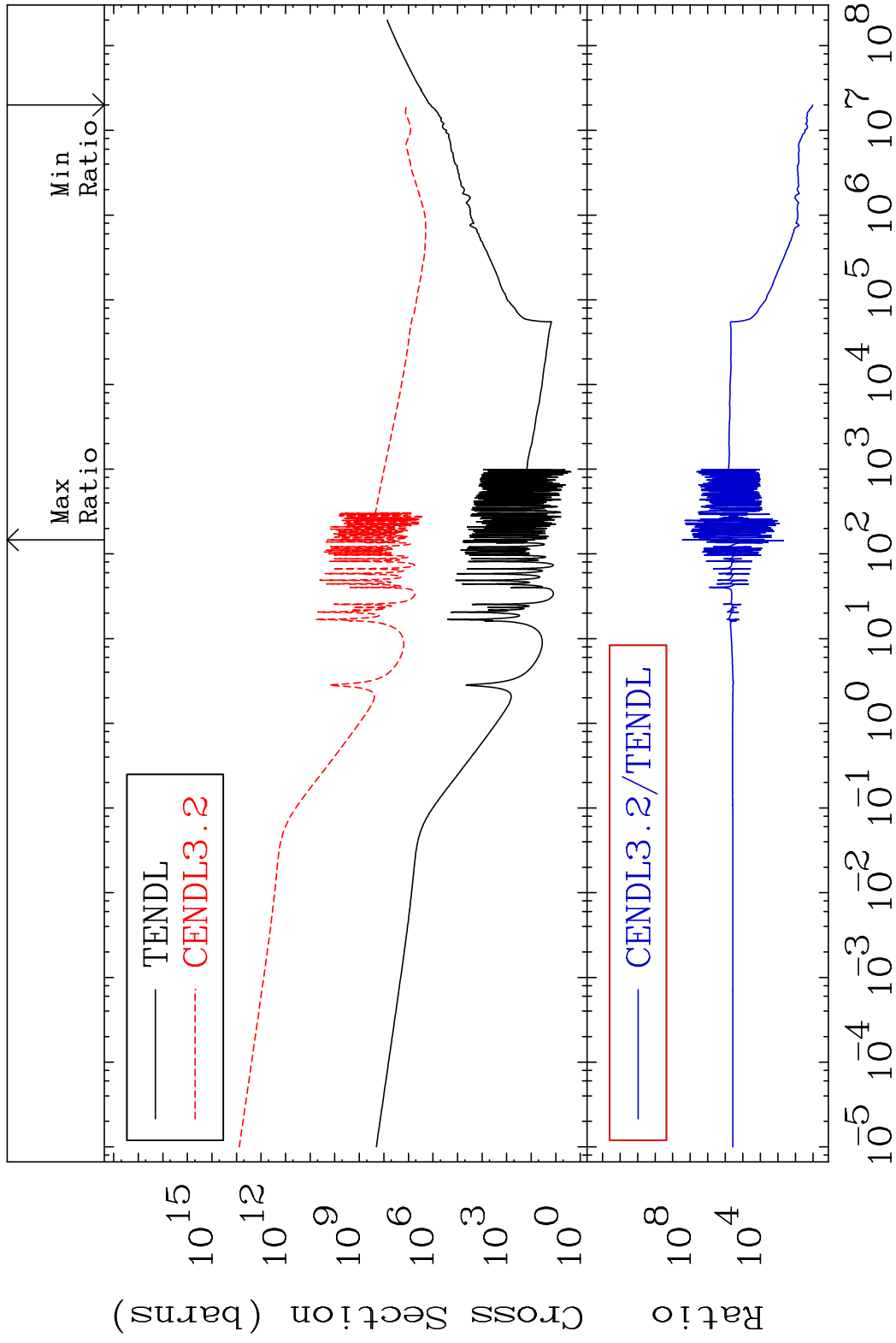
MAT 6440

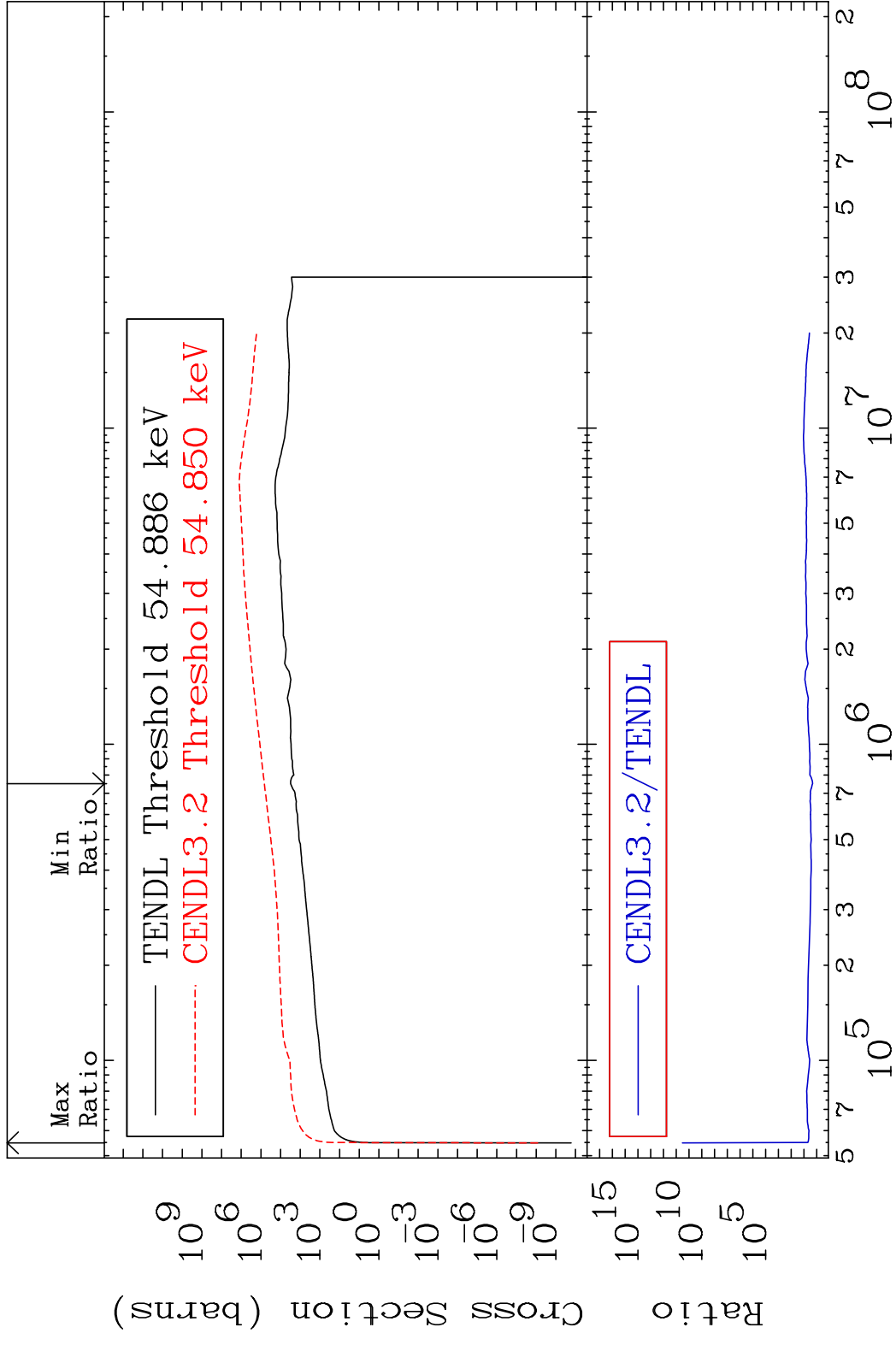
Kerma elastic  
Cross Section

64-Gd-157  
-99.86 To 9999. %

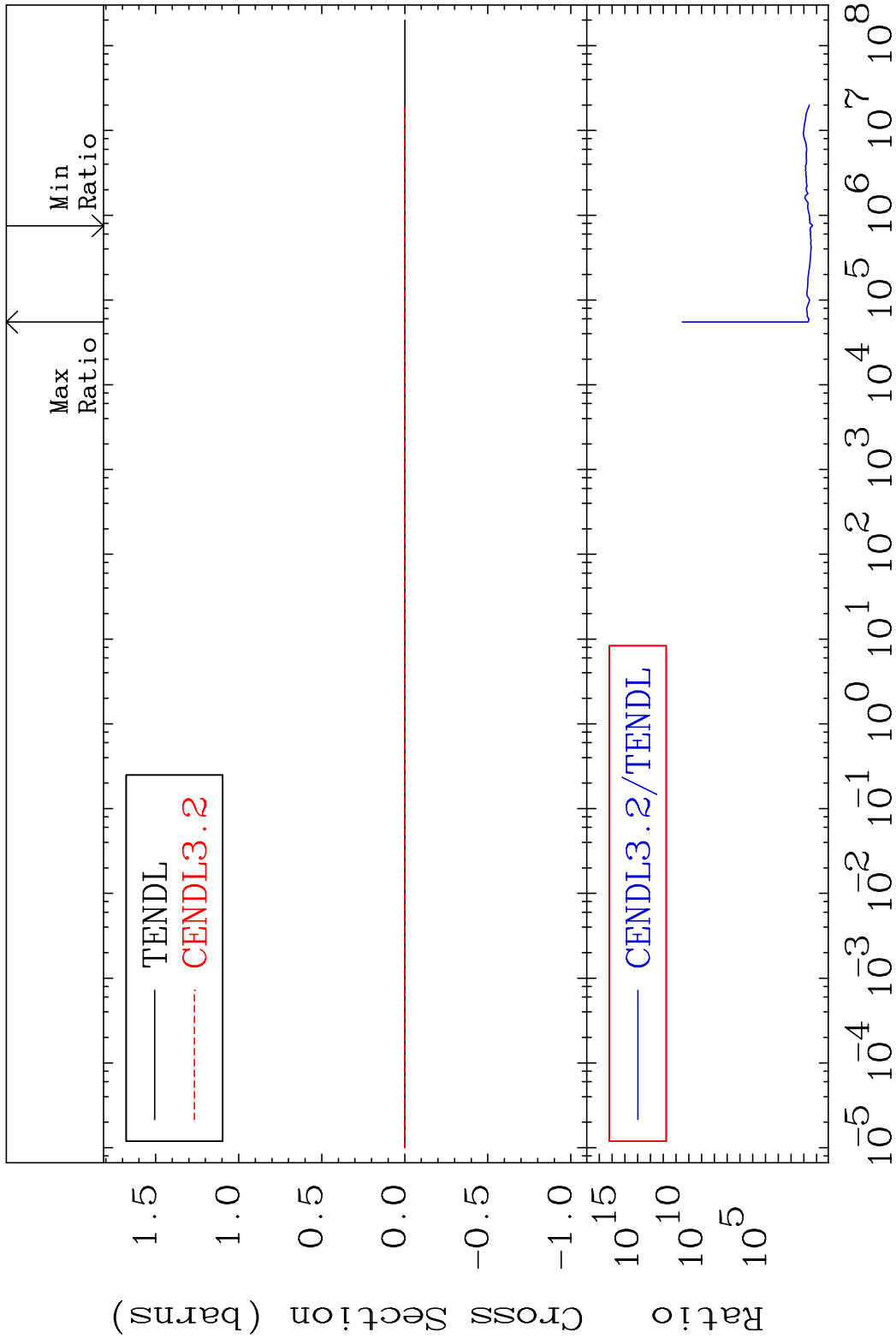


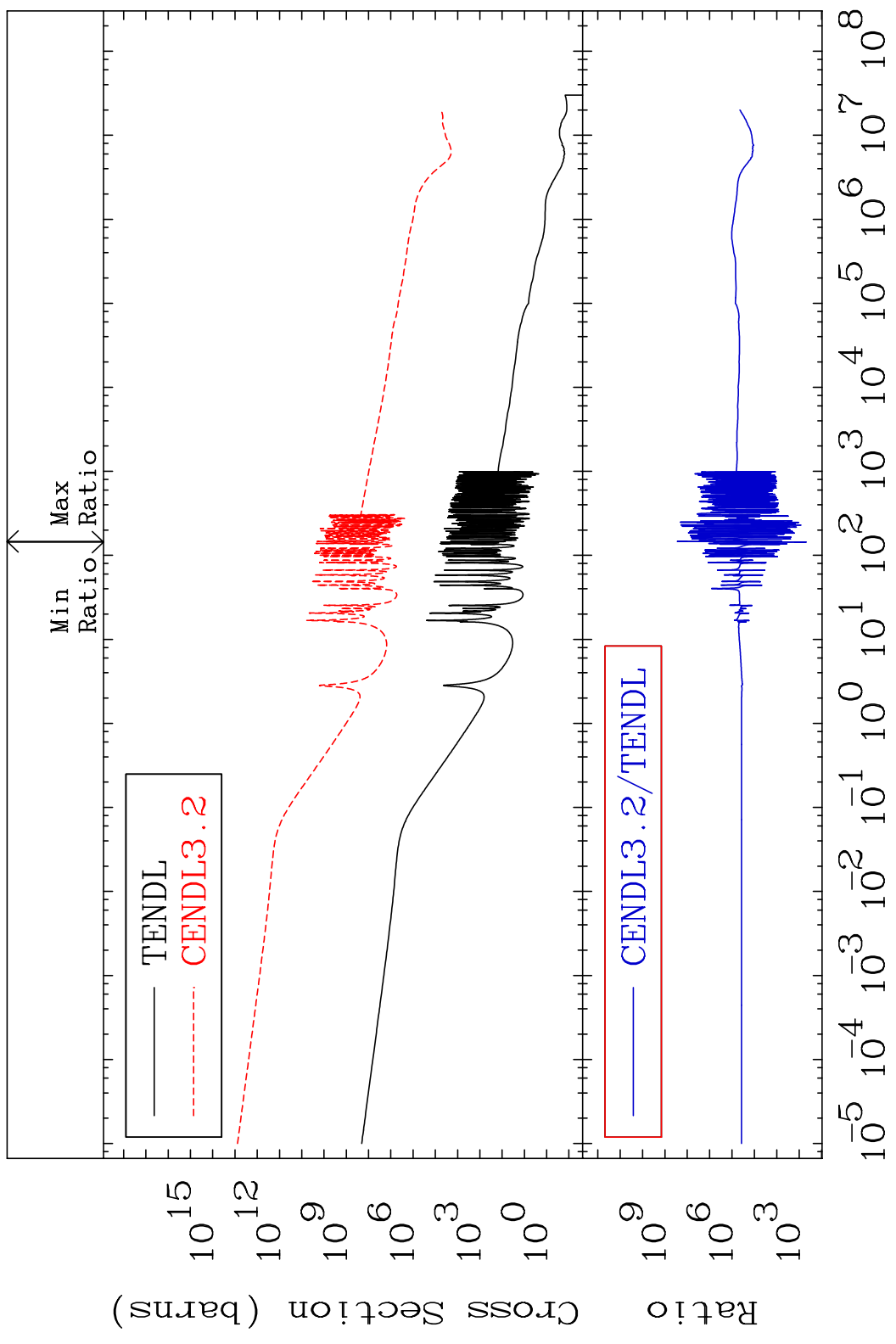
MAT 6440 Kerma non-elastic (all but mt2) 64-Gd-157  
 Cross Section 955.1 To 9999. %



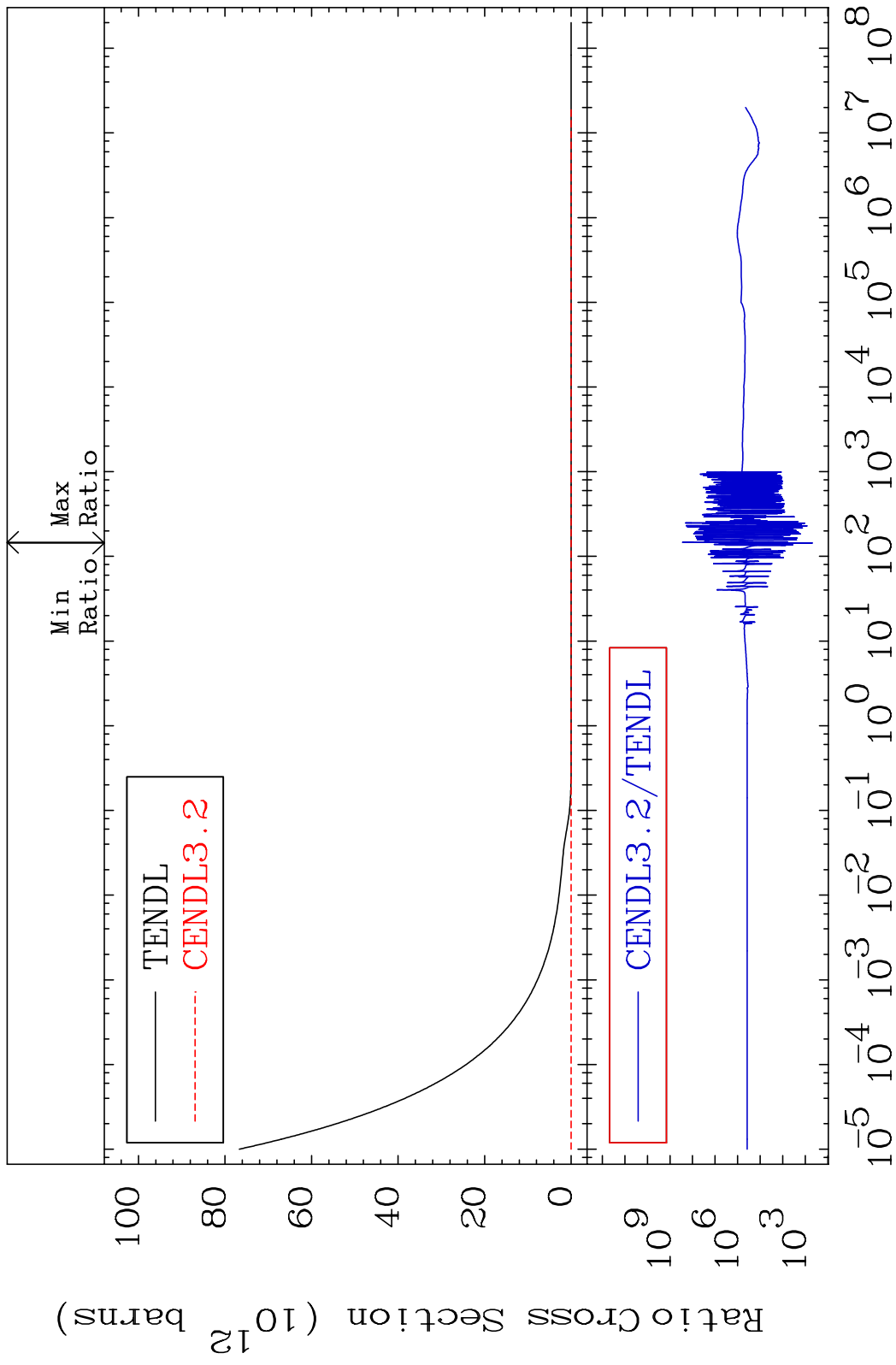


MAT 6440 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-157  
 Cross Section 2046. To 9999. %



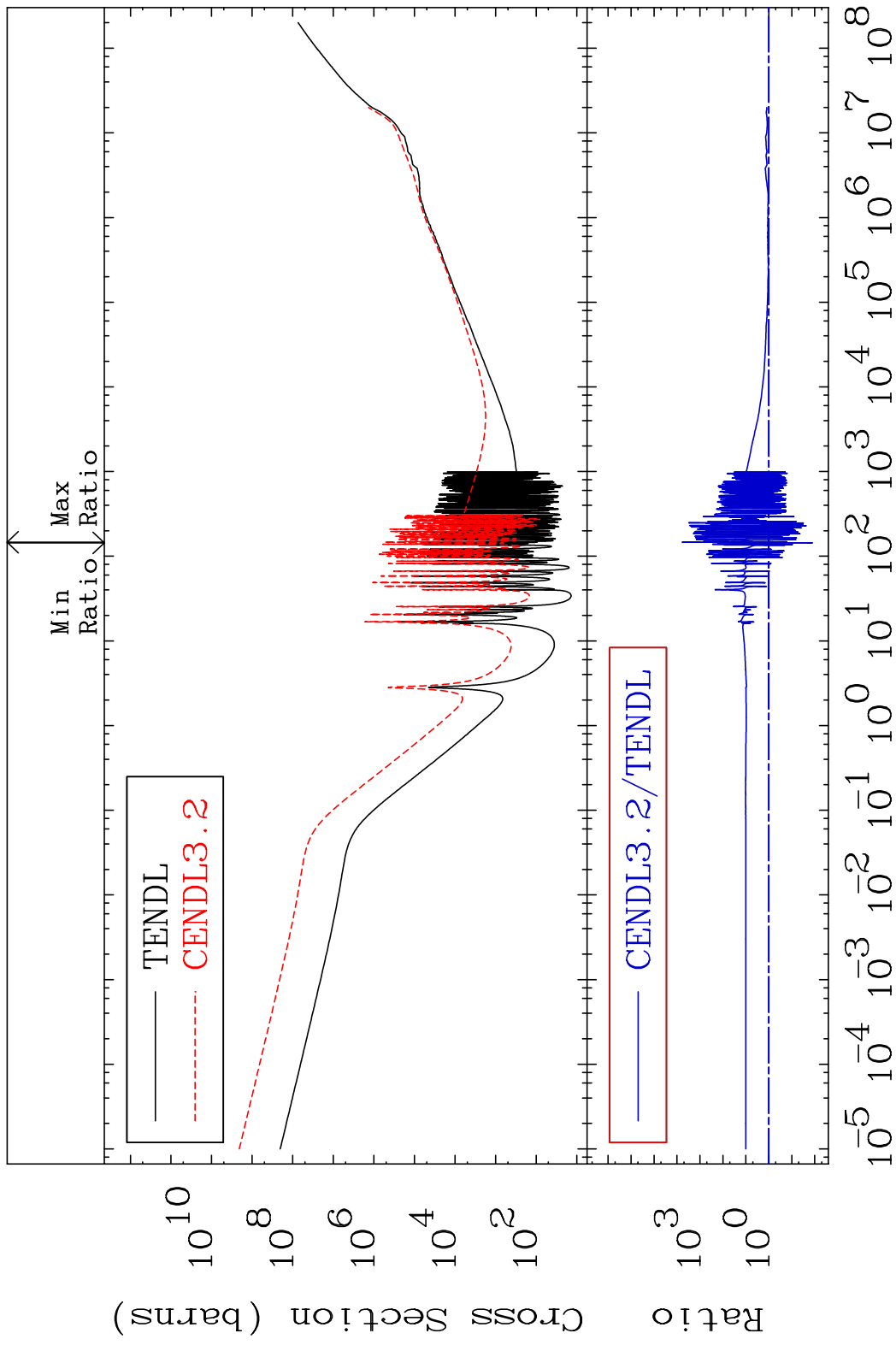


MAT 6440 Total photon (eV-barns) 64-Gd-157  
 Cross Section 9999. To 9999. %





MAT 6440 Total kinematic kerma (high limit) 64-Gd-157  
 Cross Section -98.75 To 9999. %

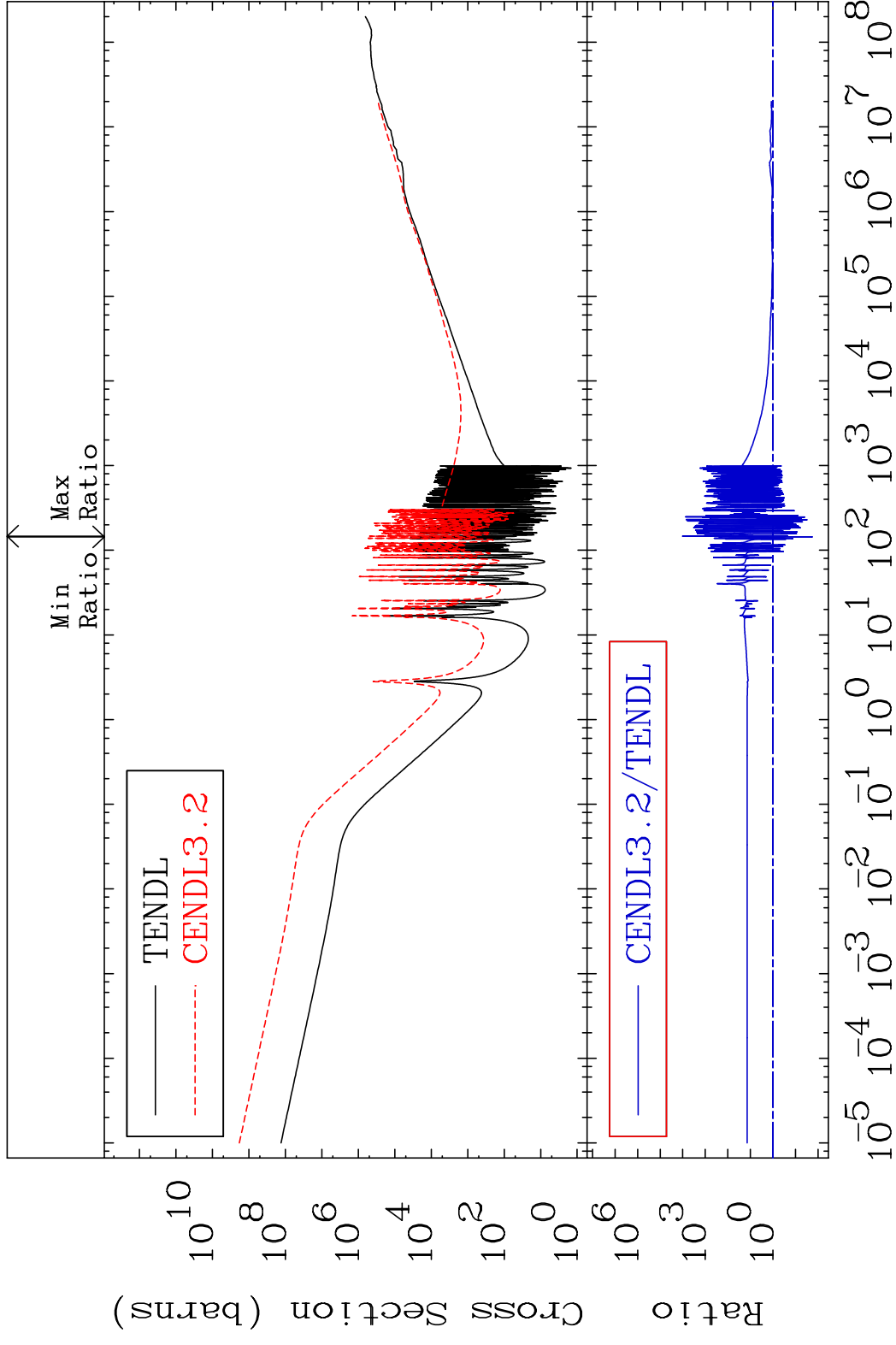


MAT 6440

Dpa total (eV-barns)

64-Gd-157

Cross Section -98.23 To 9999. %



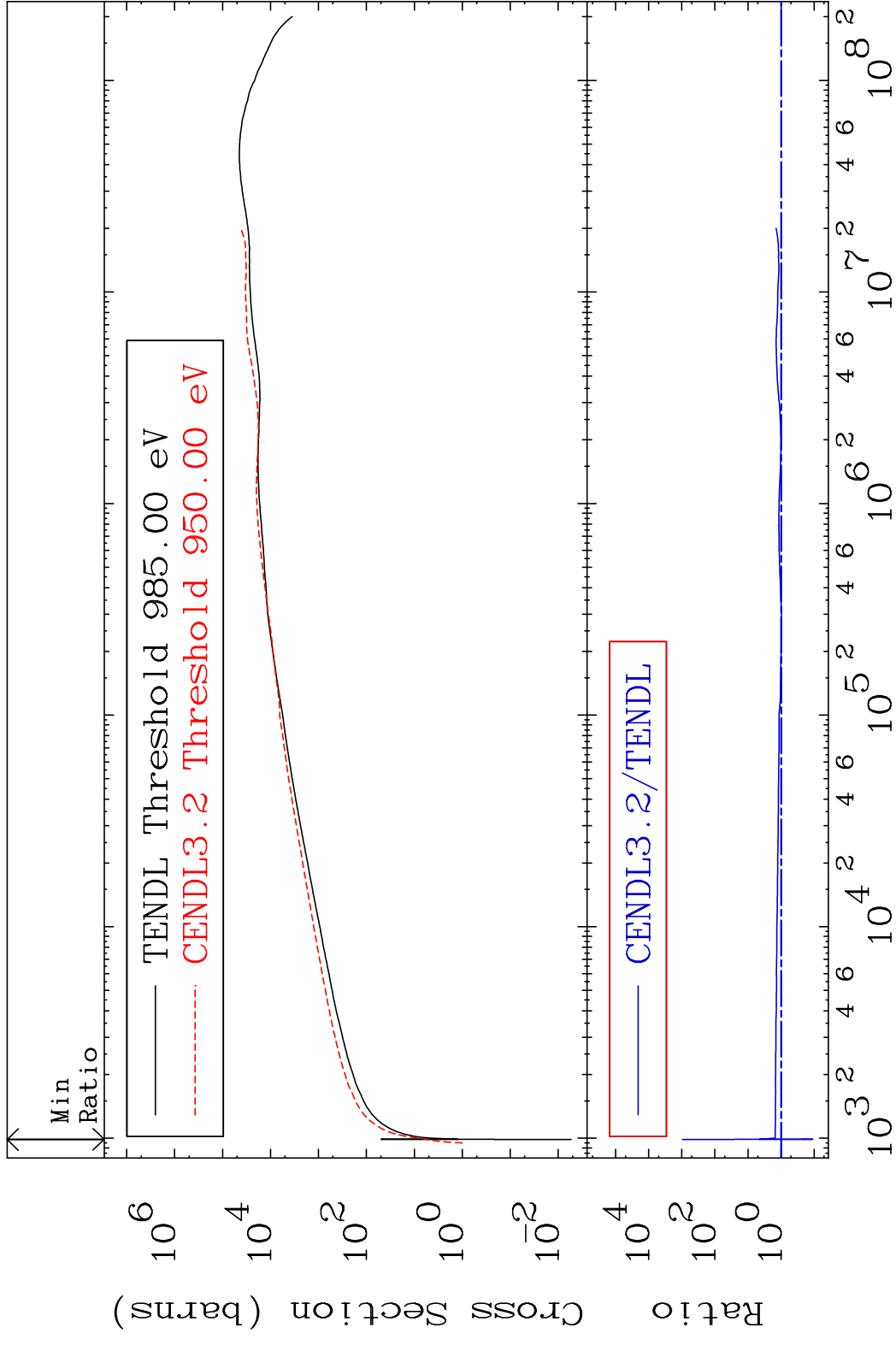
MAT 6440

Dpa elastic (mt2)

64-Gd-157

Cross Section

-88.83 To 9999. %

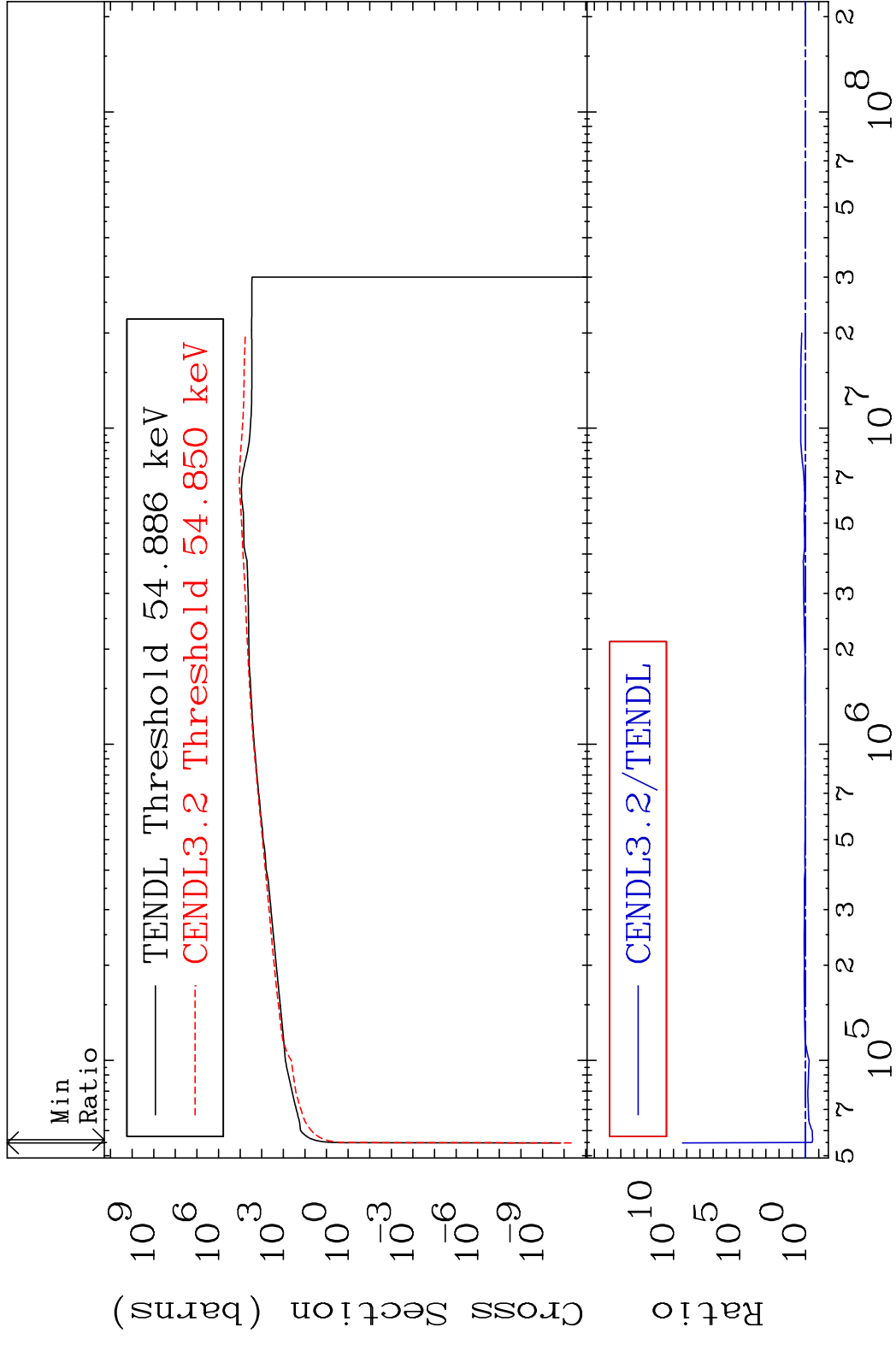


34

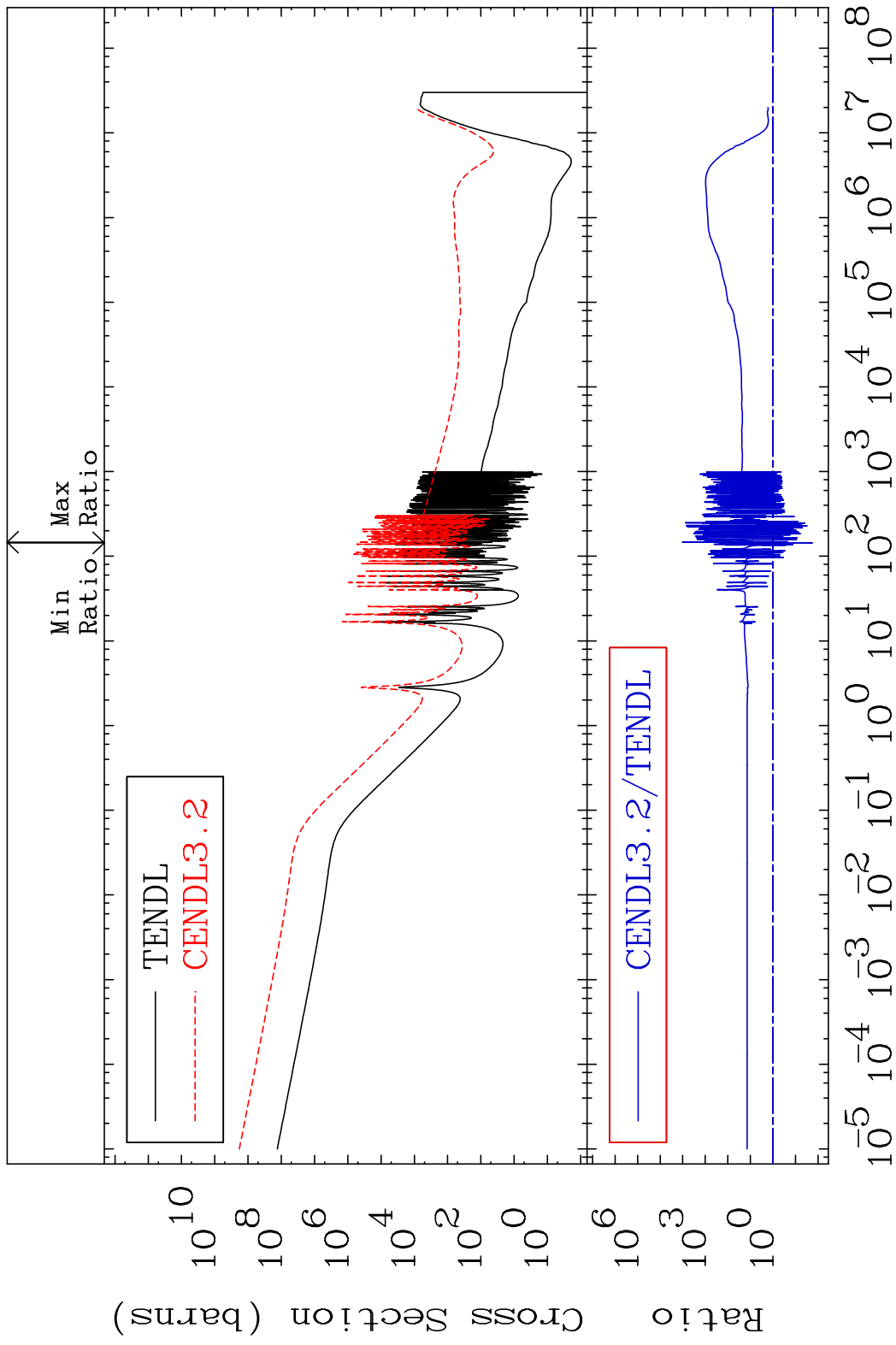
Incident Energy (eV)

64-Gd-157

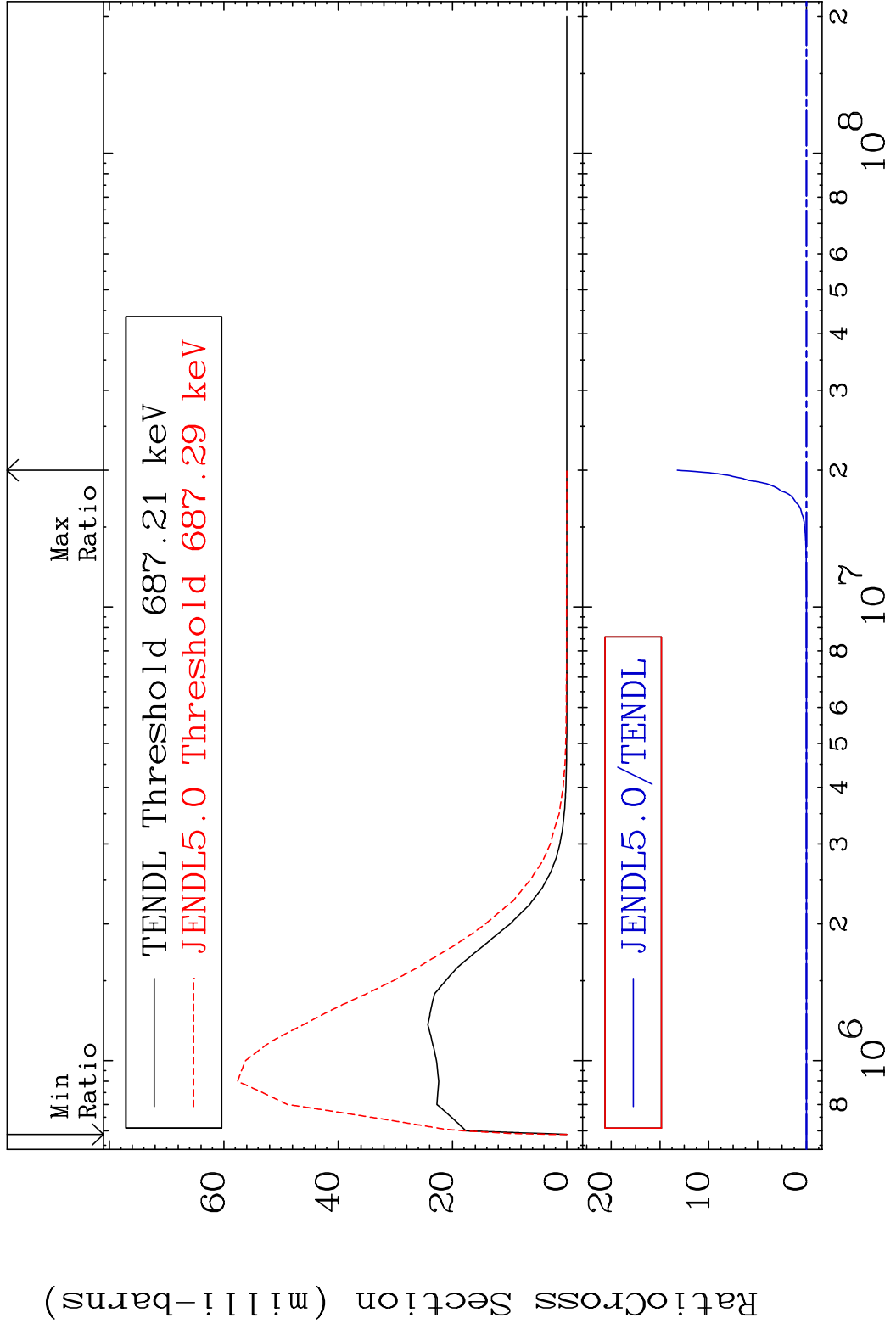
MAT 6440 Dpa inelastic (mt51-91) 64-Gd-157  
 Cross Section -70.65 To 9999. %



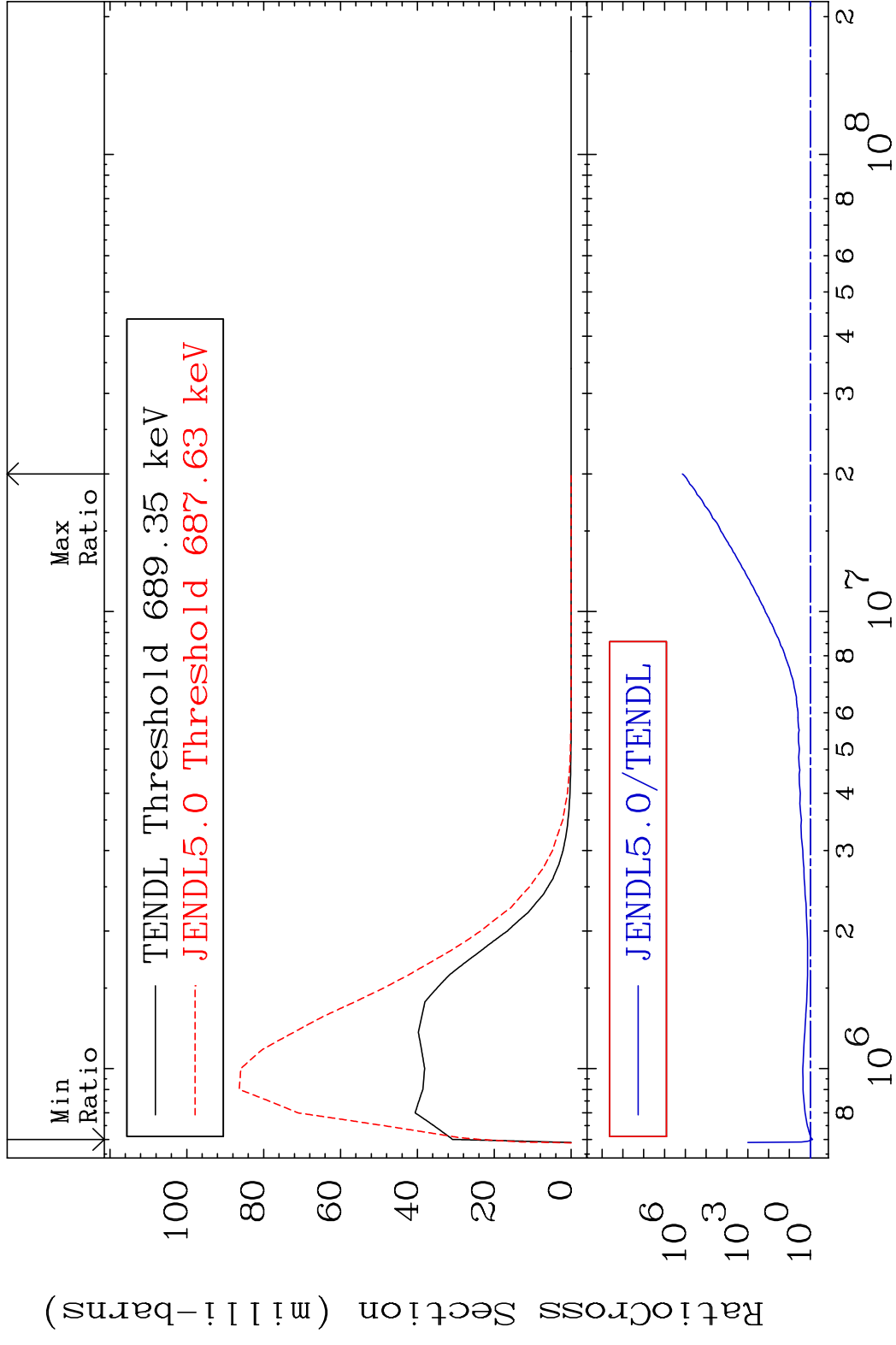
MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157  
 Cross Section -98.23 To 9999. %



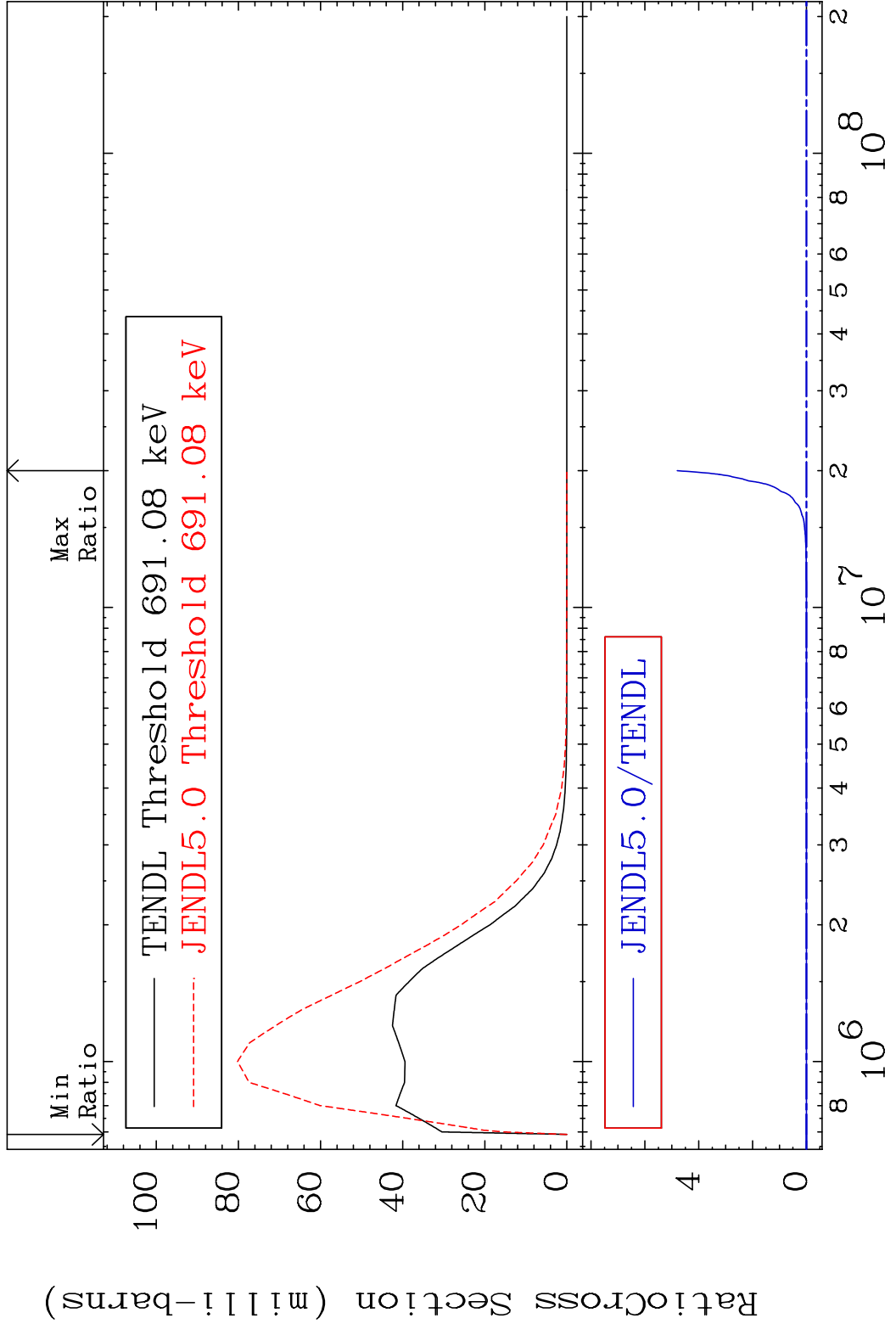
MAT 6440 MT= 77 (n, n') Level 64-Gd-157  
 Cross Section -100.0 To 9999. %



MAT 6440 MT= 78 (n, n') Level 64-Gd-157  
 Cross Section -22.70 To 9999. %

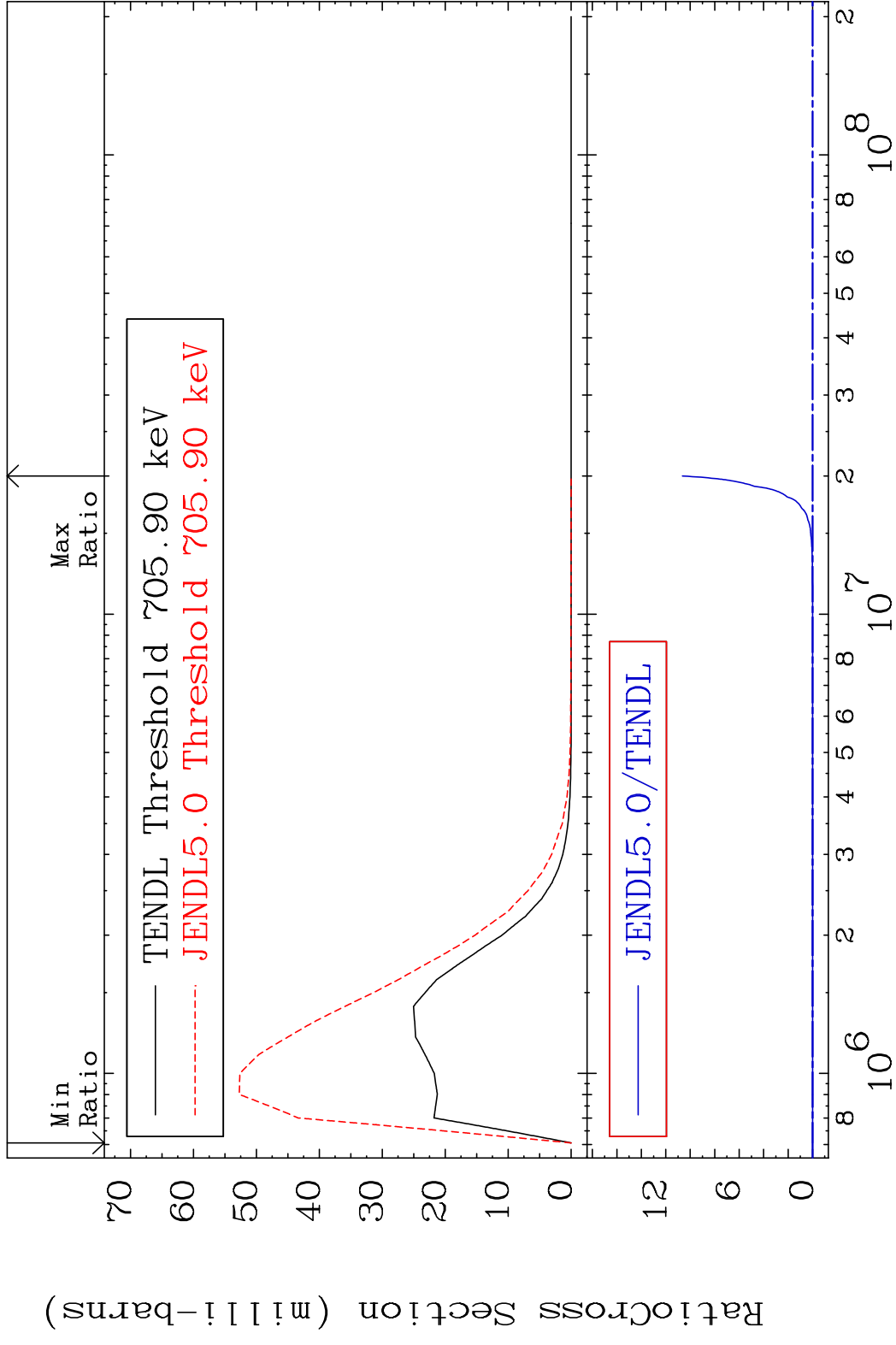


MAT 6440 MT= 79 (n, n') Level 64-Gd-157  
 Cross Section -100.0 To 9999. %





MAT 6440 MT= 80 (n, n') Level 64-Gd-157  
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 64-Gd-157

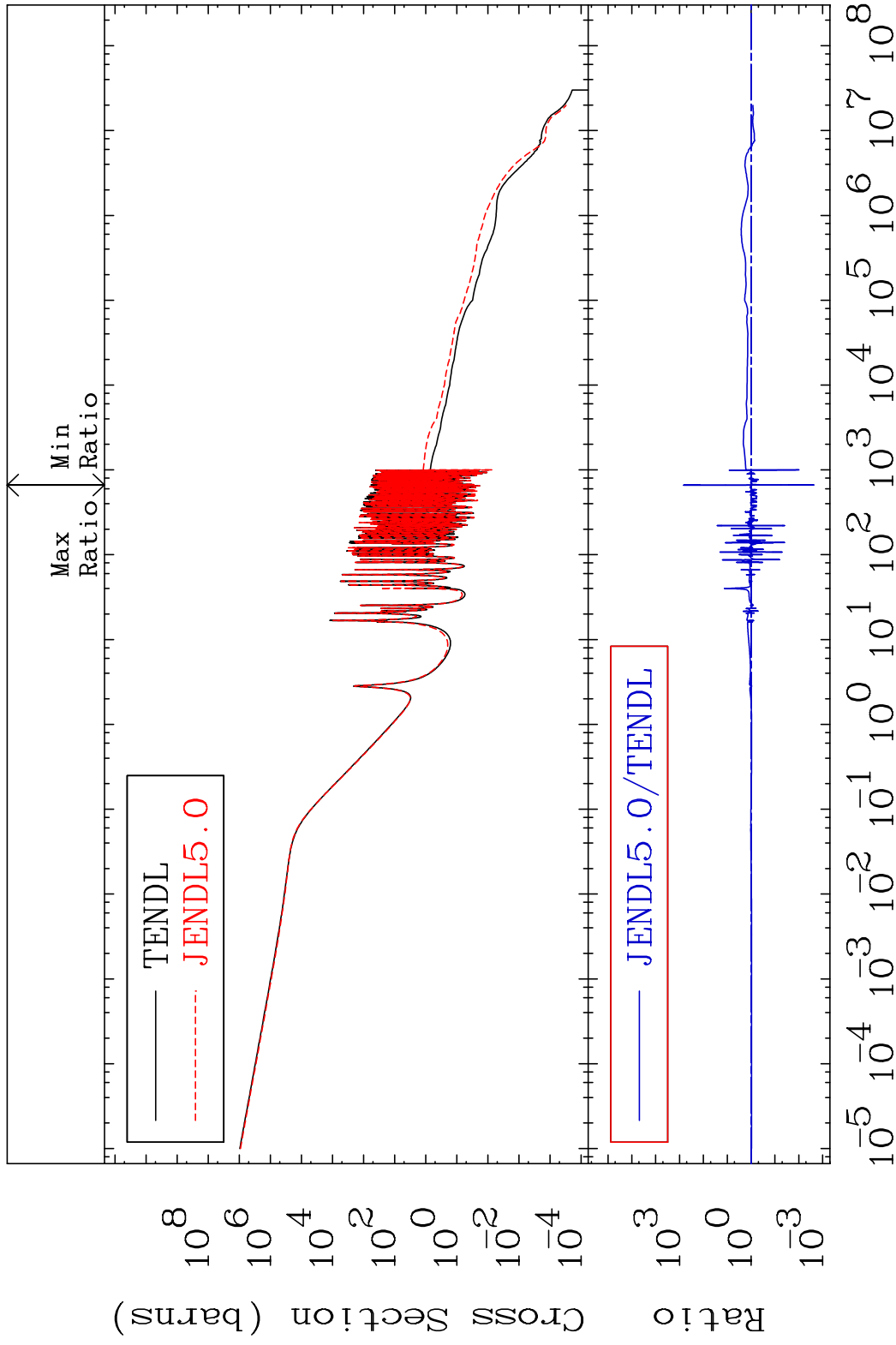


MAT 6440

(n,  $\gamma$ )

64-Gd-157

Cross Section -99.77 To 9999. %



42

Incident Energy (eV)

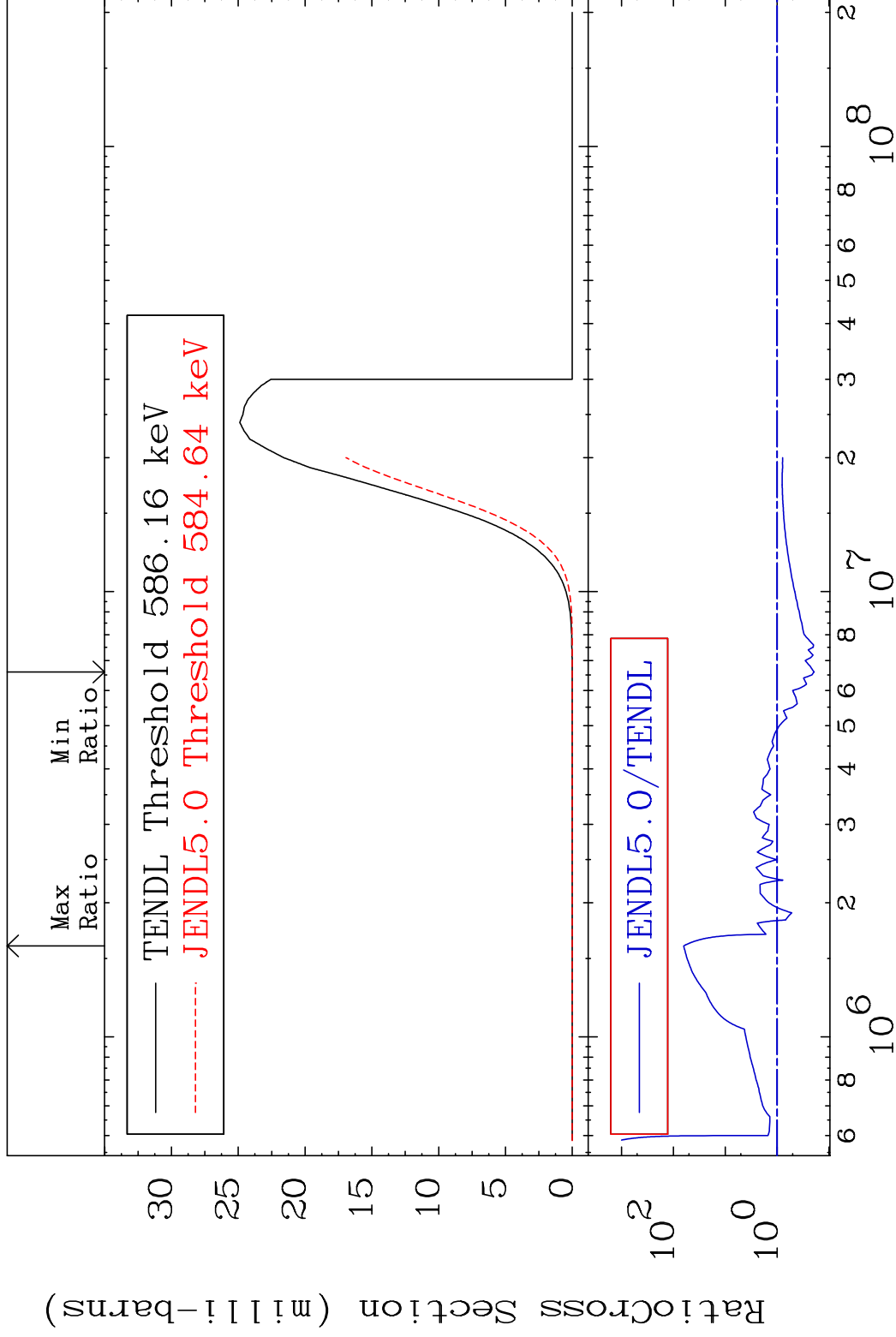
64-Gd-157

MAT 6440

(n, p)

64-Gd-157

Cross Section -80.62 To 6226. %

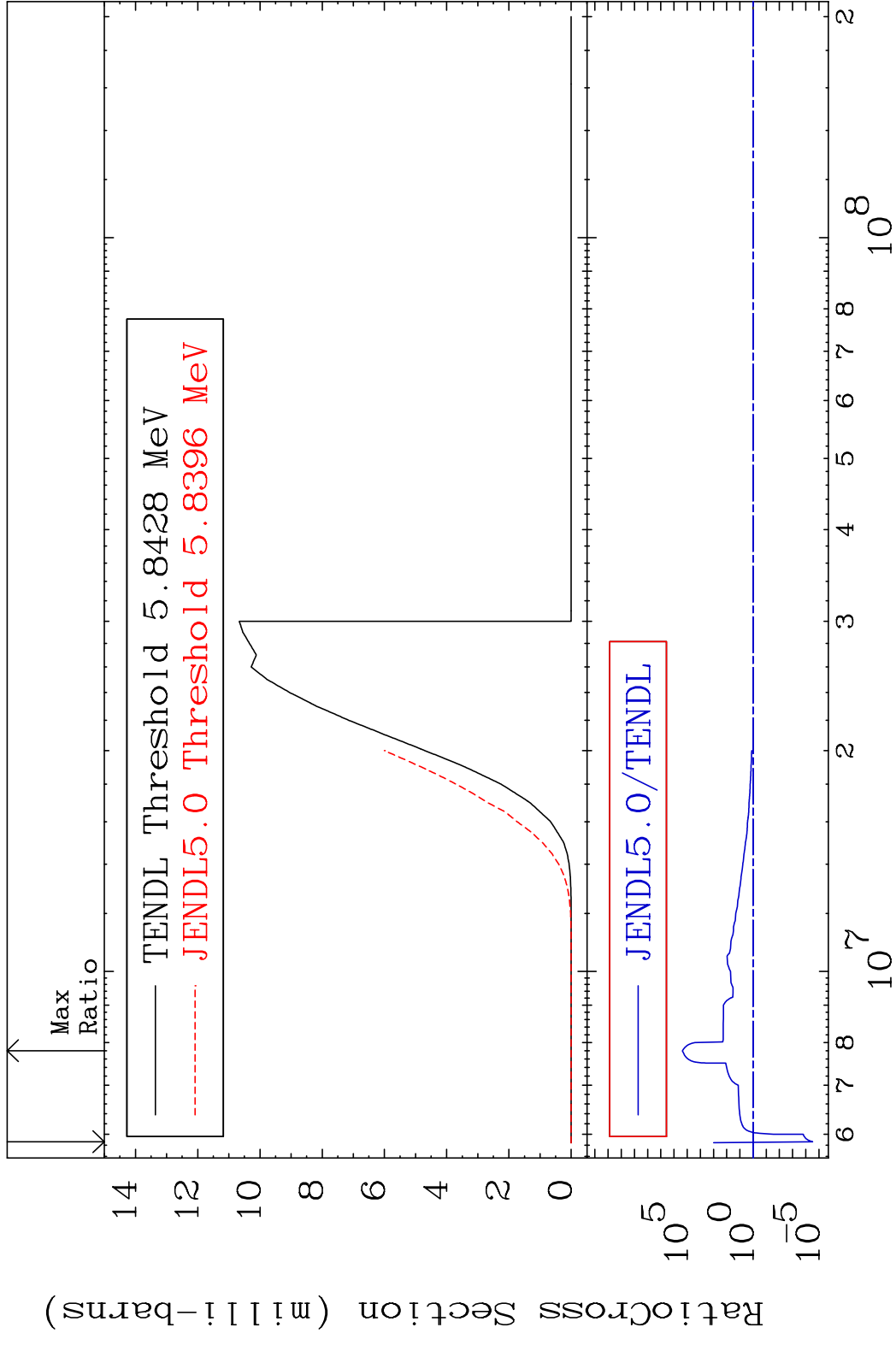


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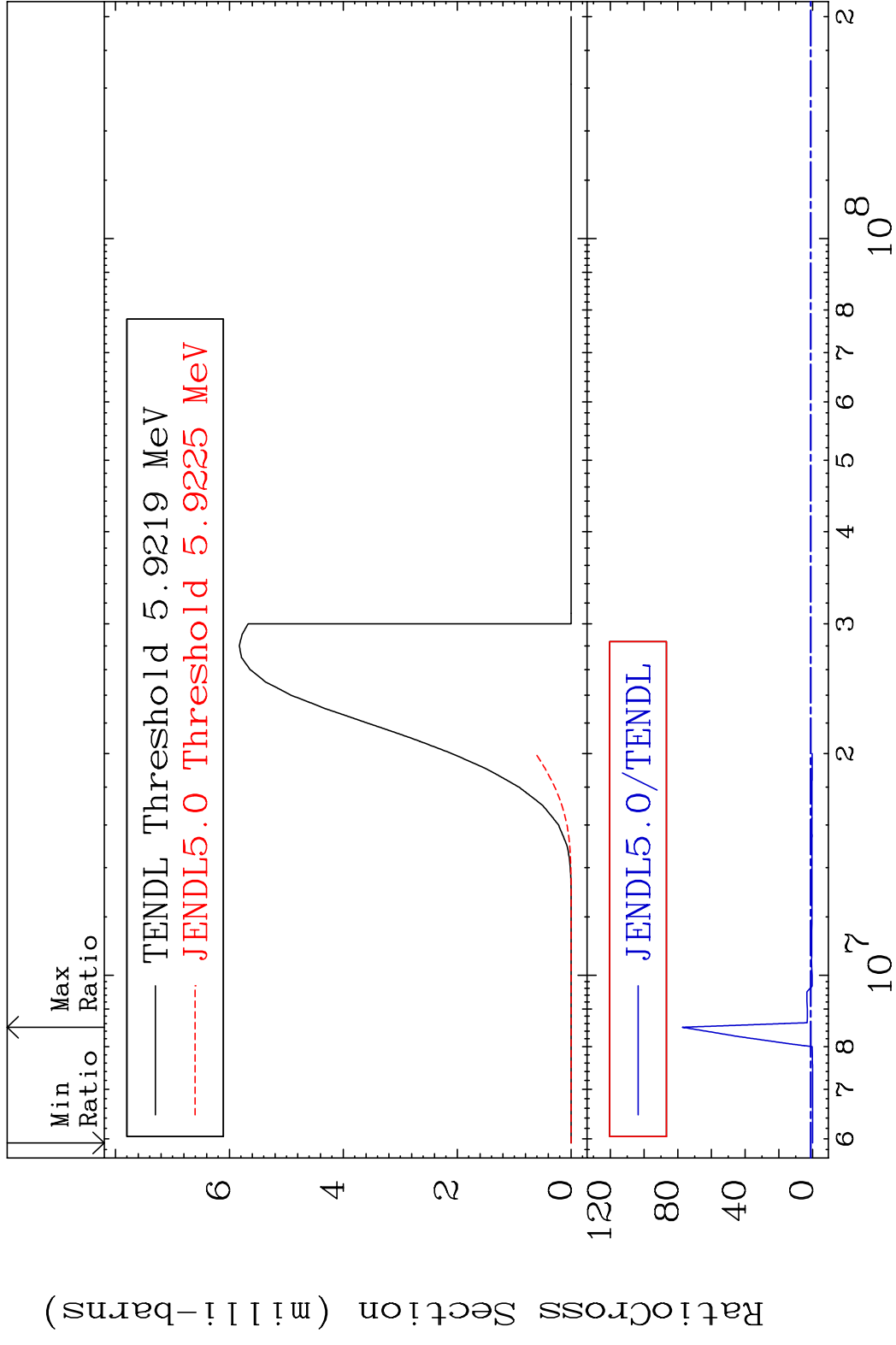
Incident Energy (eV)

64-Gd-157

MAT 6440 (n,d) 64-Gd-157  
 Cross Section -100.0 To 9999. %



MAT 6440 (n, t) 64-Gd-157  
 Cross Section -100.0 To 7627. %



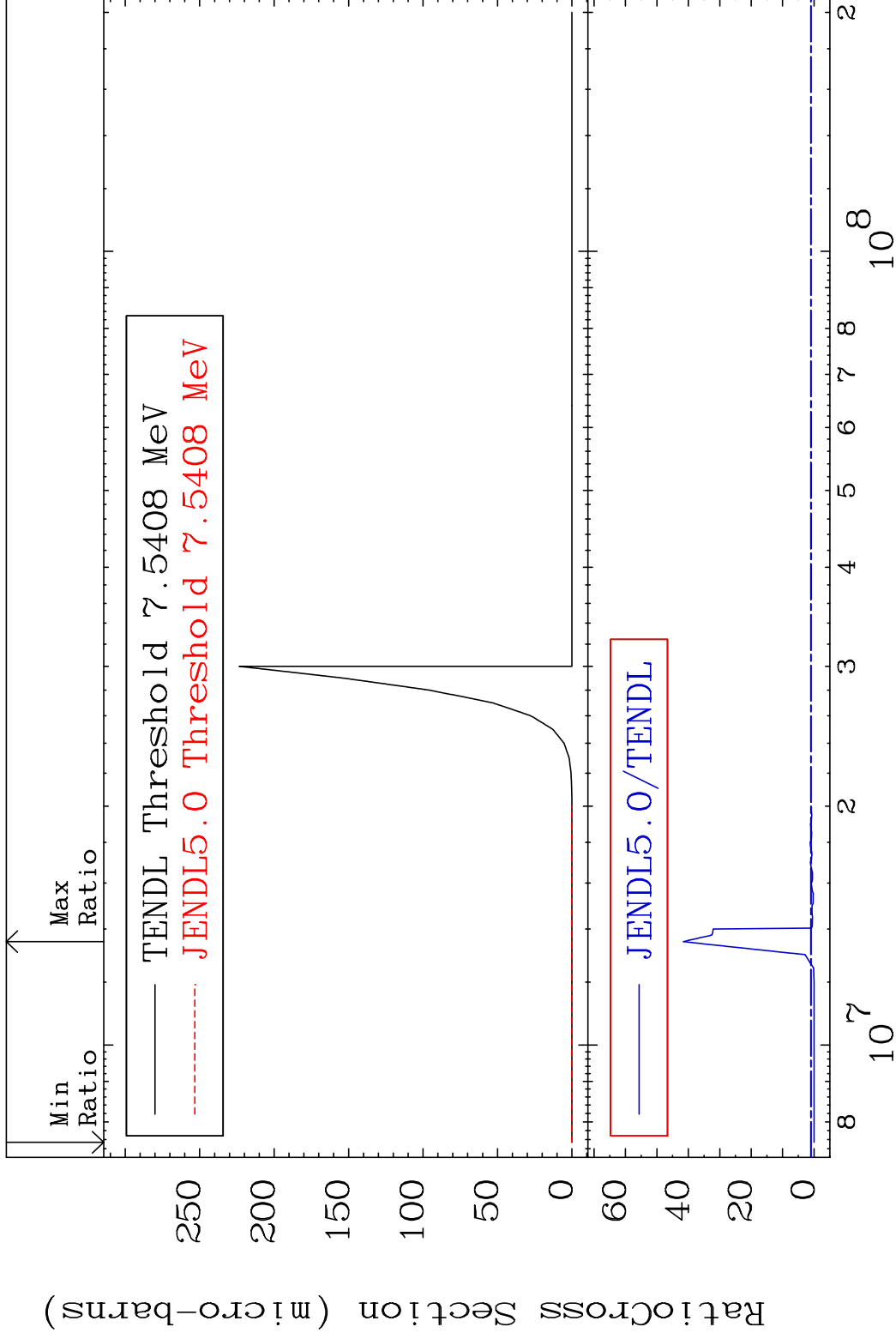
45 Incident Energy (eV) 64-Gd-157

MAT 6440

(n, He-3)

64-Gd-157

Cross Section -100.0 To 4055. %



46

Incident Energy (eV)

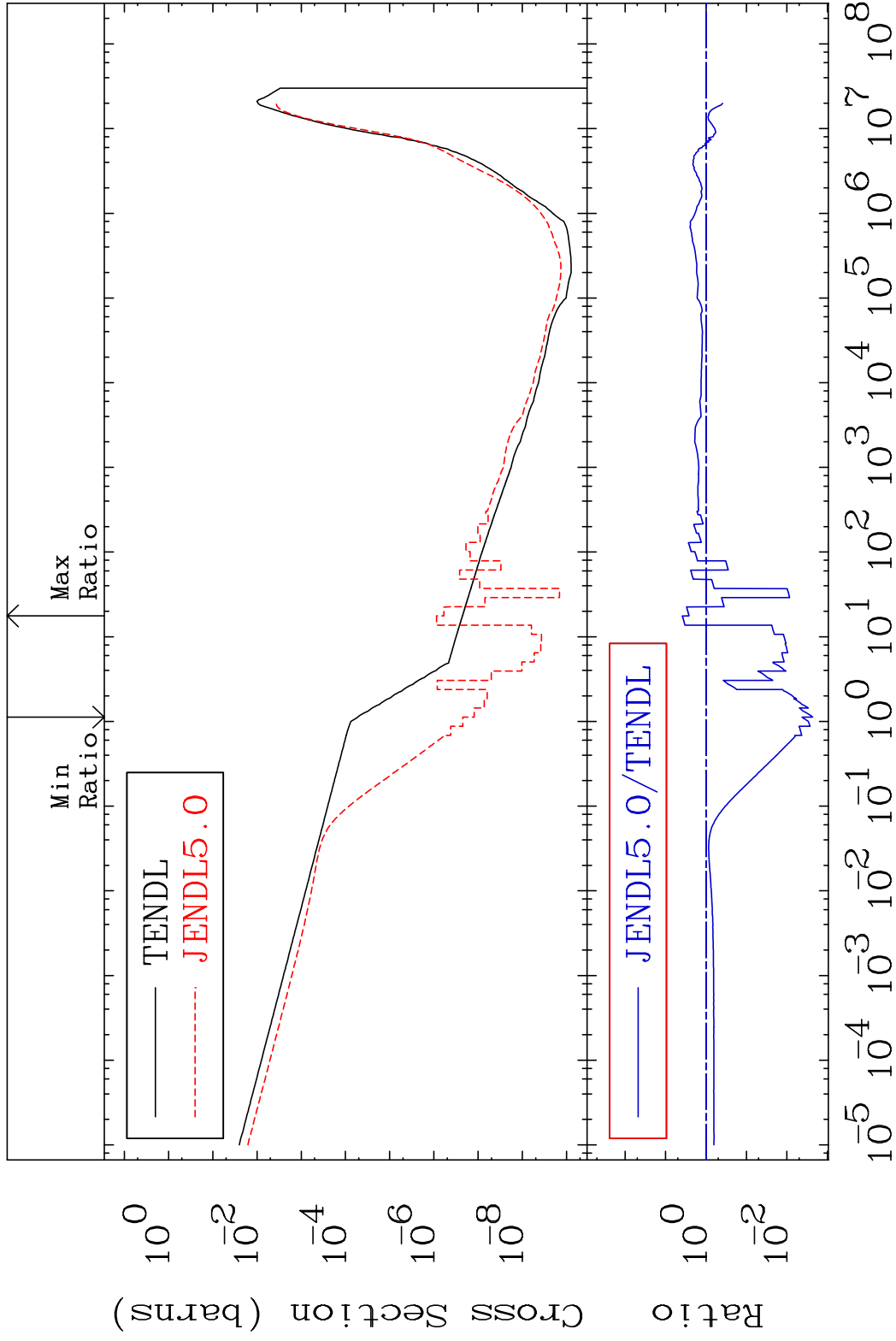
64-Gd-157

MAT 6440

(n,  $\alpha$ )

64-Gd-157

Cross Section -99.777 To 284.2 %

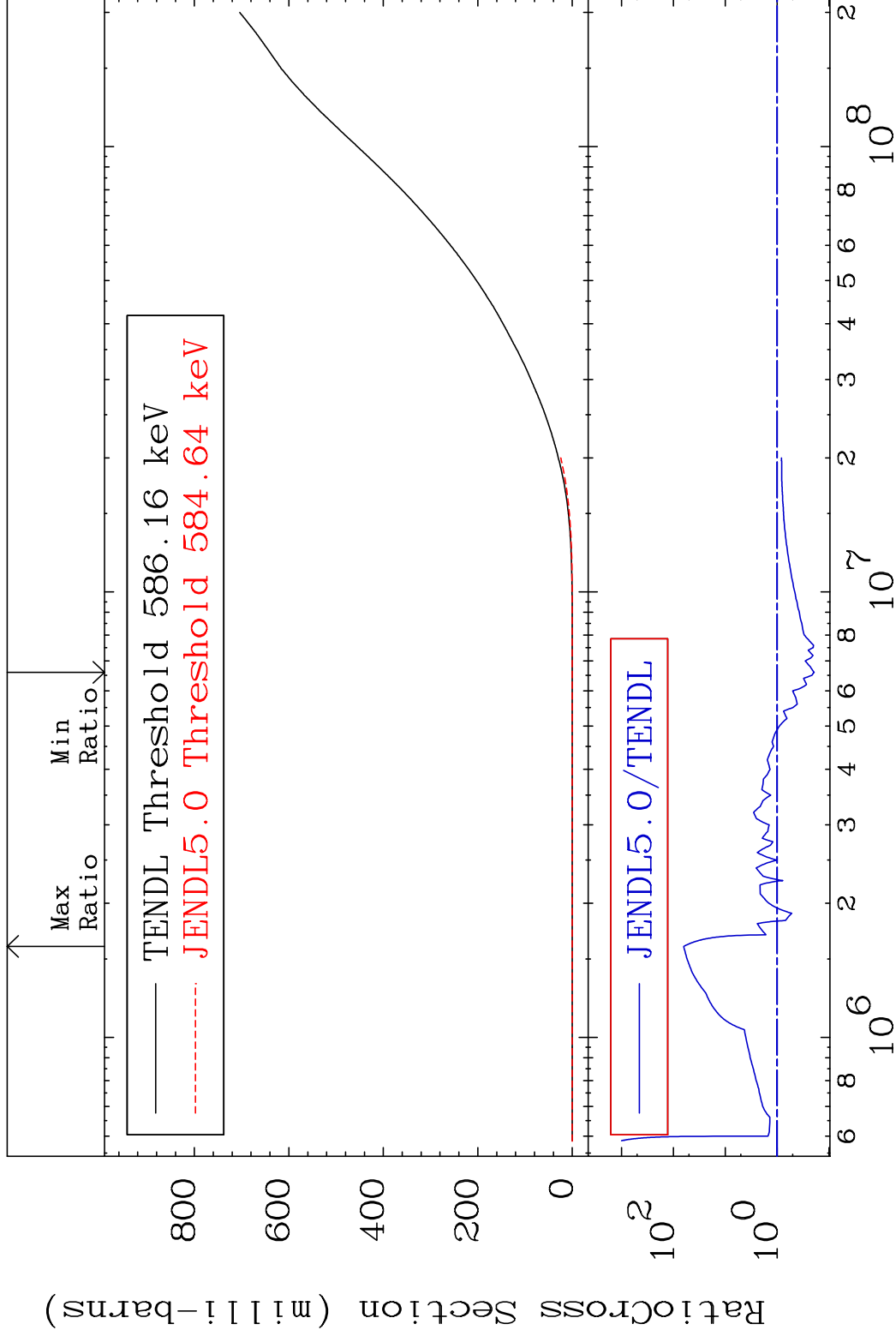


47

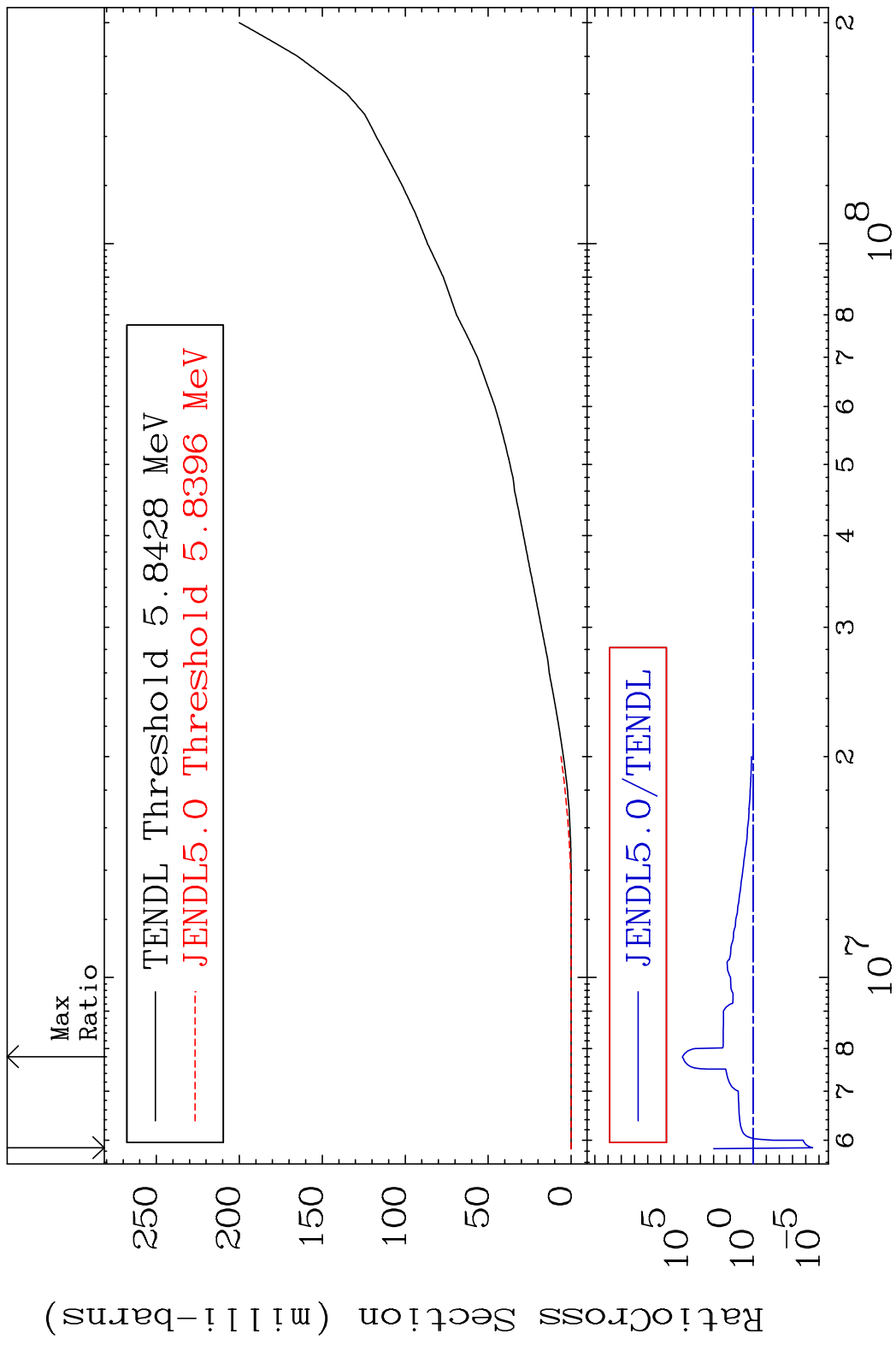
Incident Energy (eV)

64-Gd-157

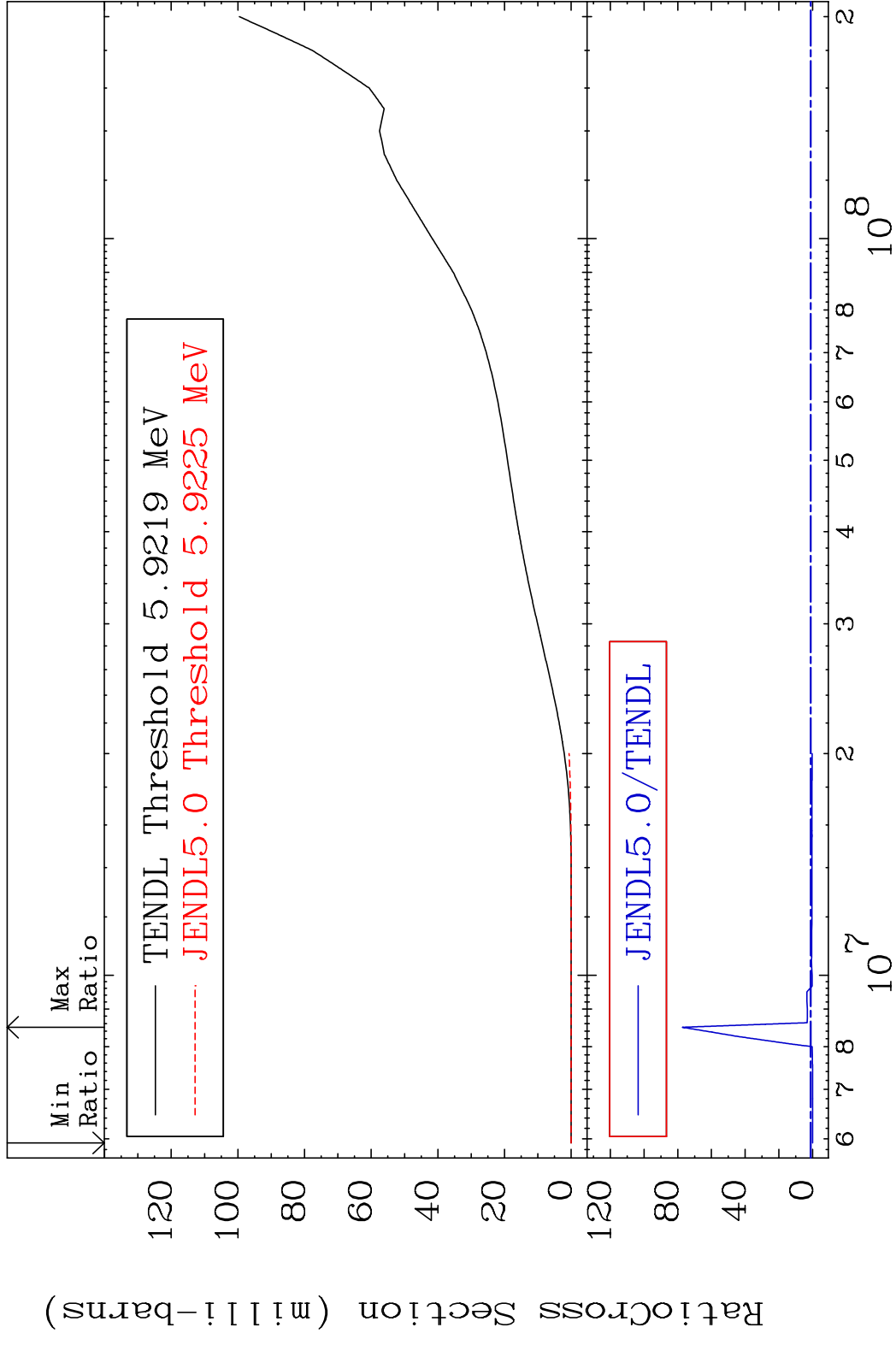




MAT 6440 Deuterium Production 64-Gd-157  
 Cross Section -100.0 To 9999. %



MAT 6440 Tritium Production 64-Gd-157  
 Cross Section -100.0 To 7627. %

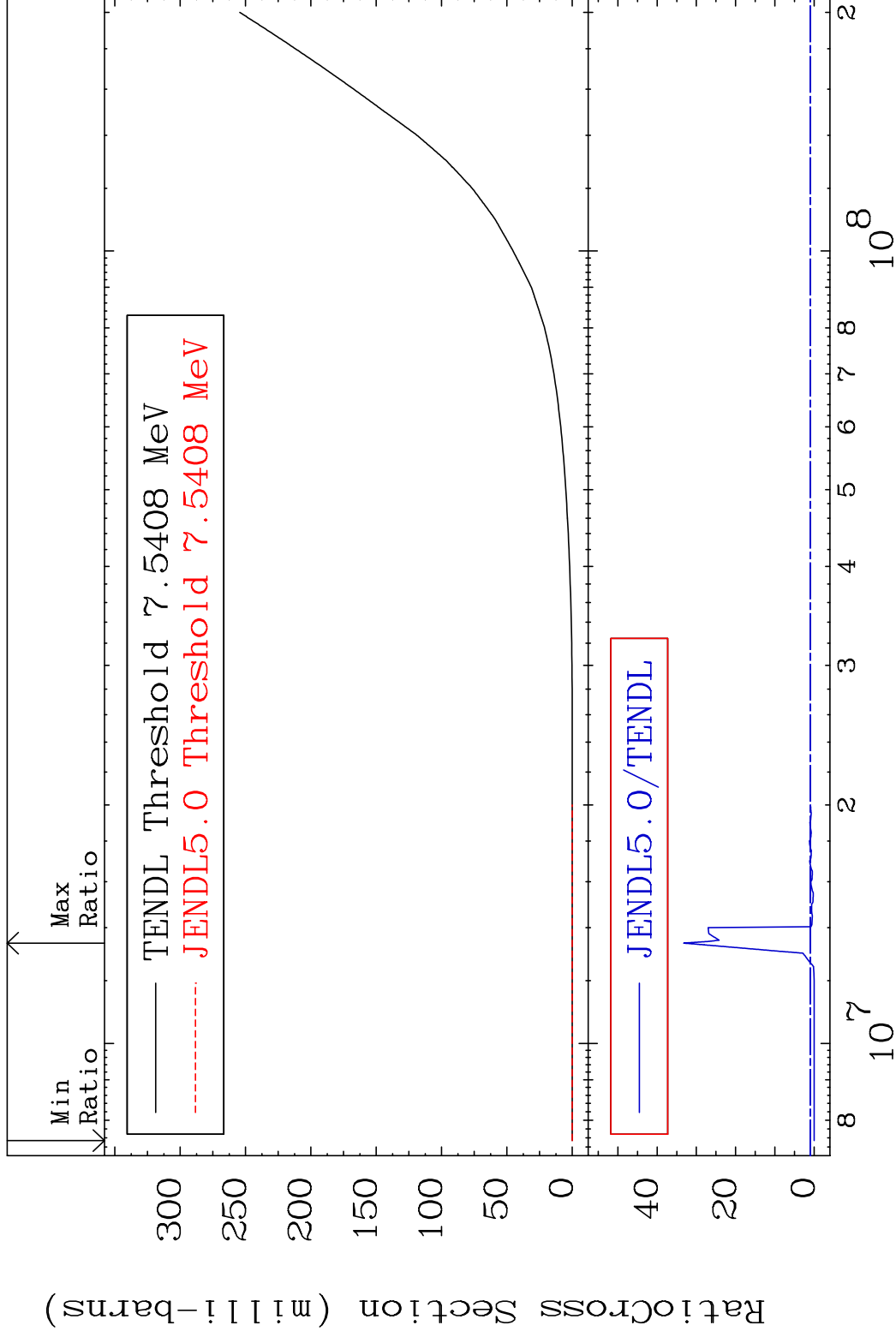


MAT 6440

He-3 Production

64-Gd-157

Cross Section -100.0 To 3224. %

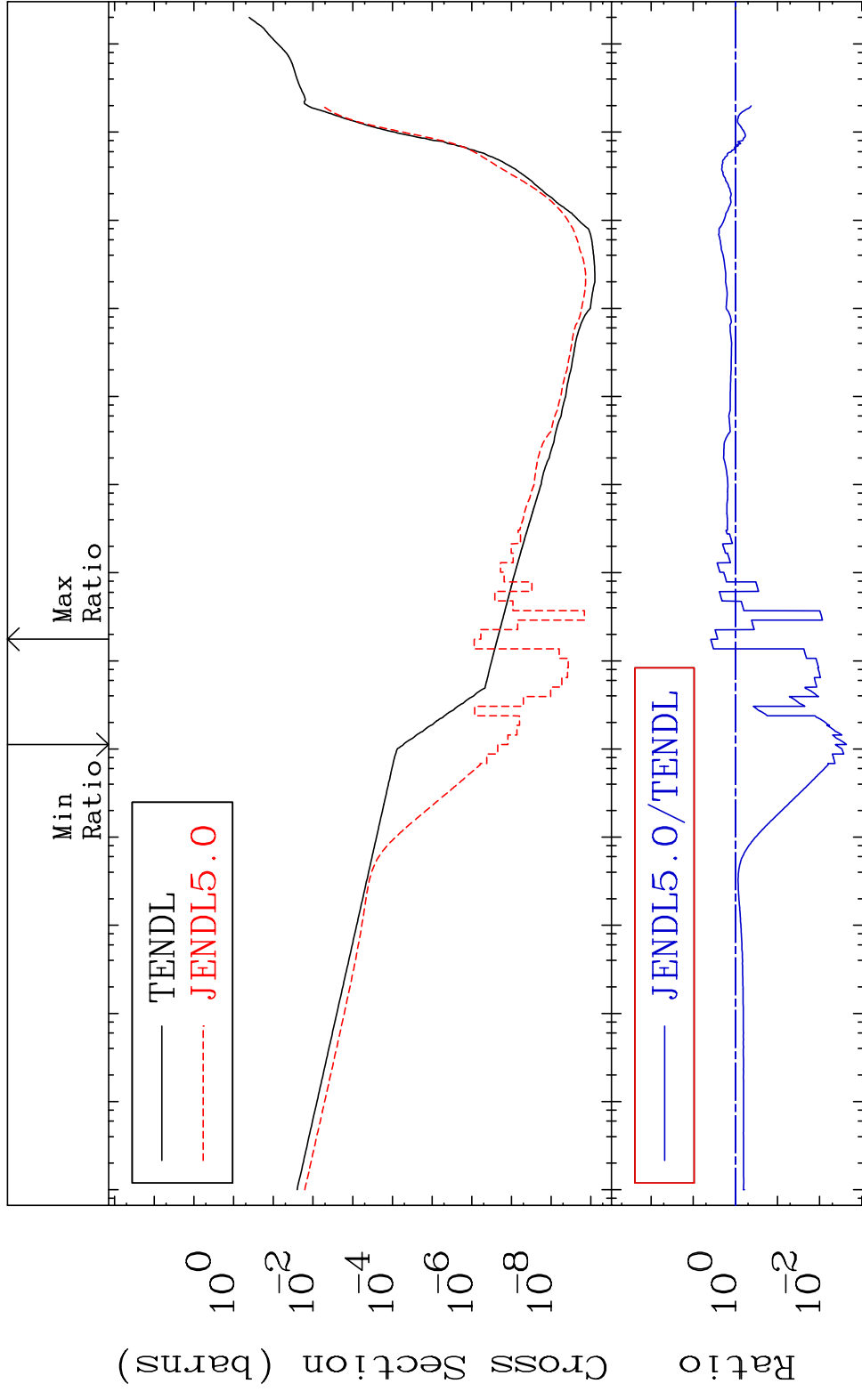


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Incident Energy (eV)

64-Gd-157

MAT 6440 He-4 Production 64-Gd-157  
 Cross Section -99.77 To 284.2 %

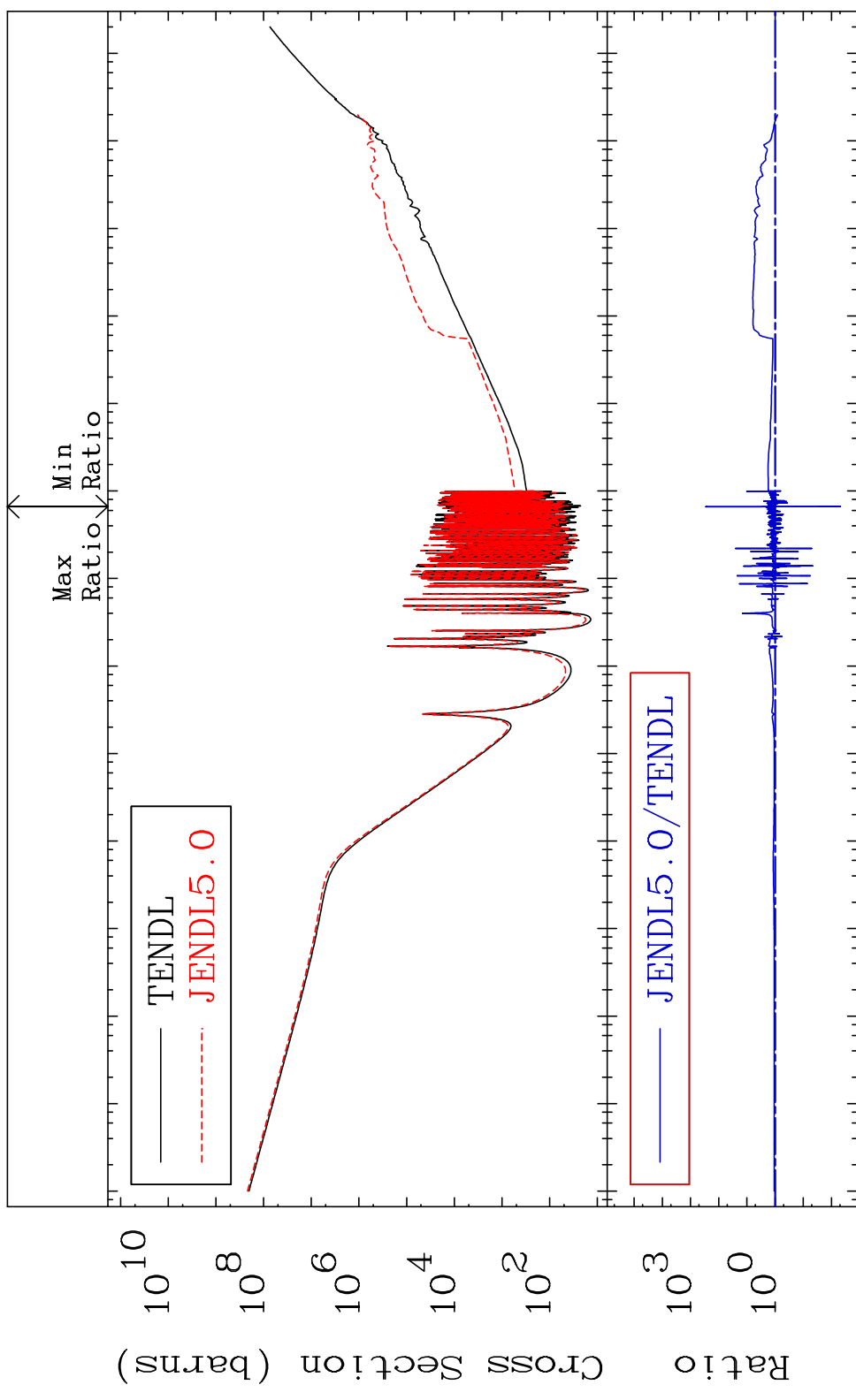


MAT 6440

Kerma total (eV-barns)

64-Gd-157

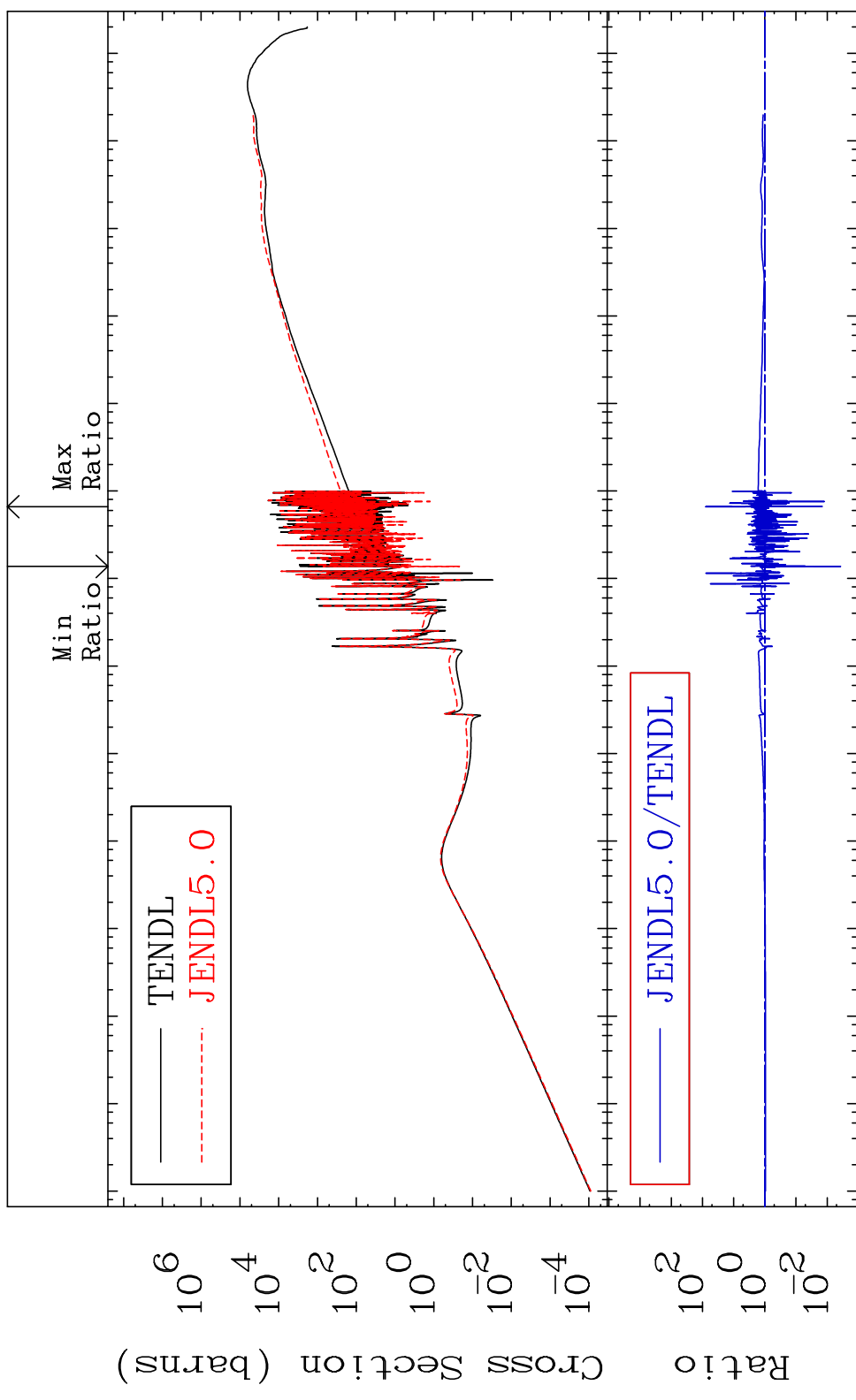
Cross Section -99.52 To 9999. %



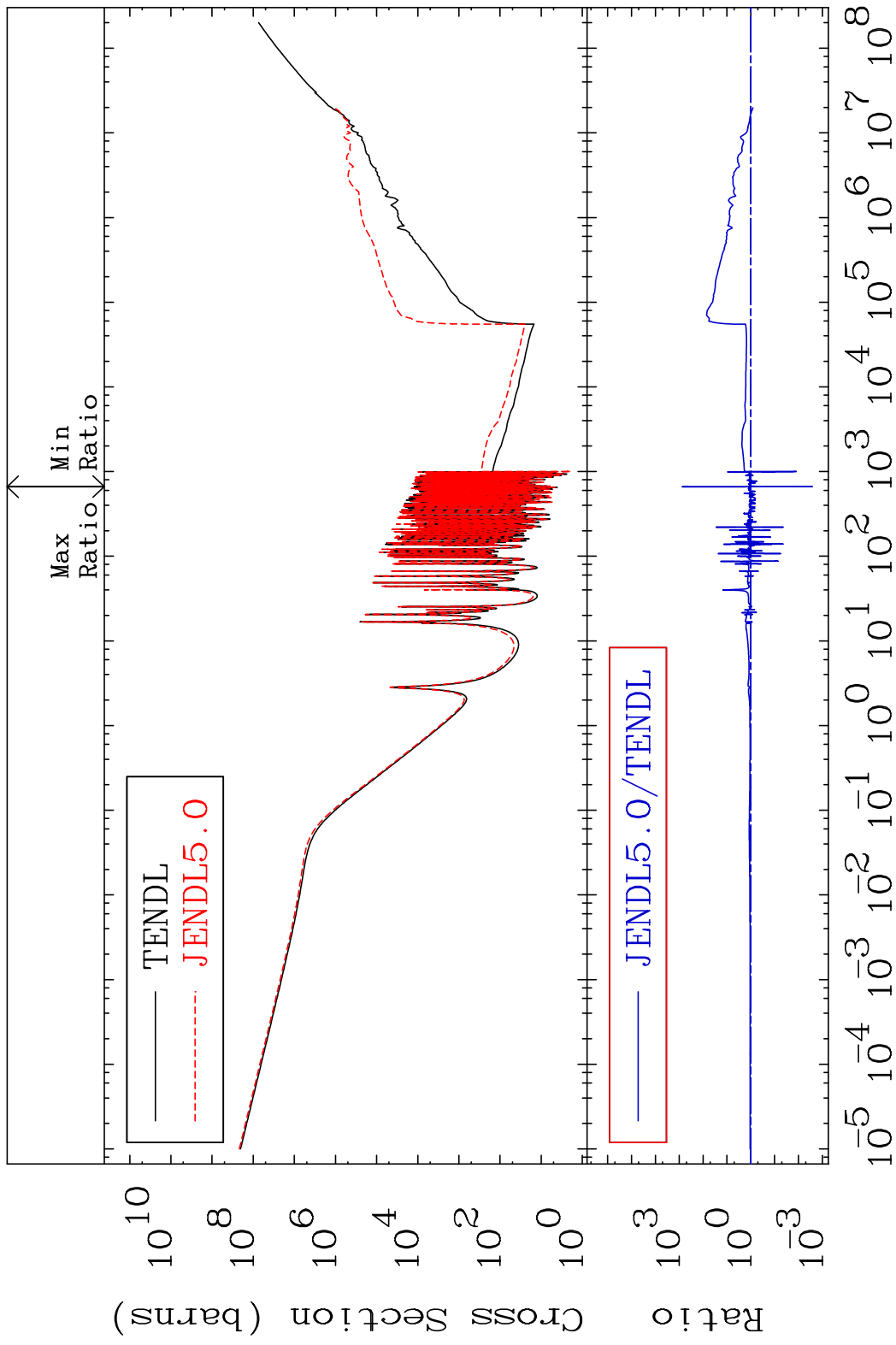
MAT 6440

Kerma elastic Cross Section -99.62 To 7726. %

64-Gd-157

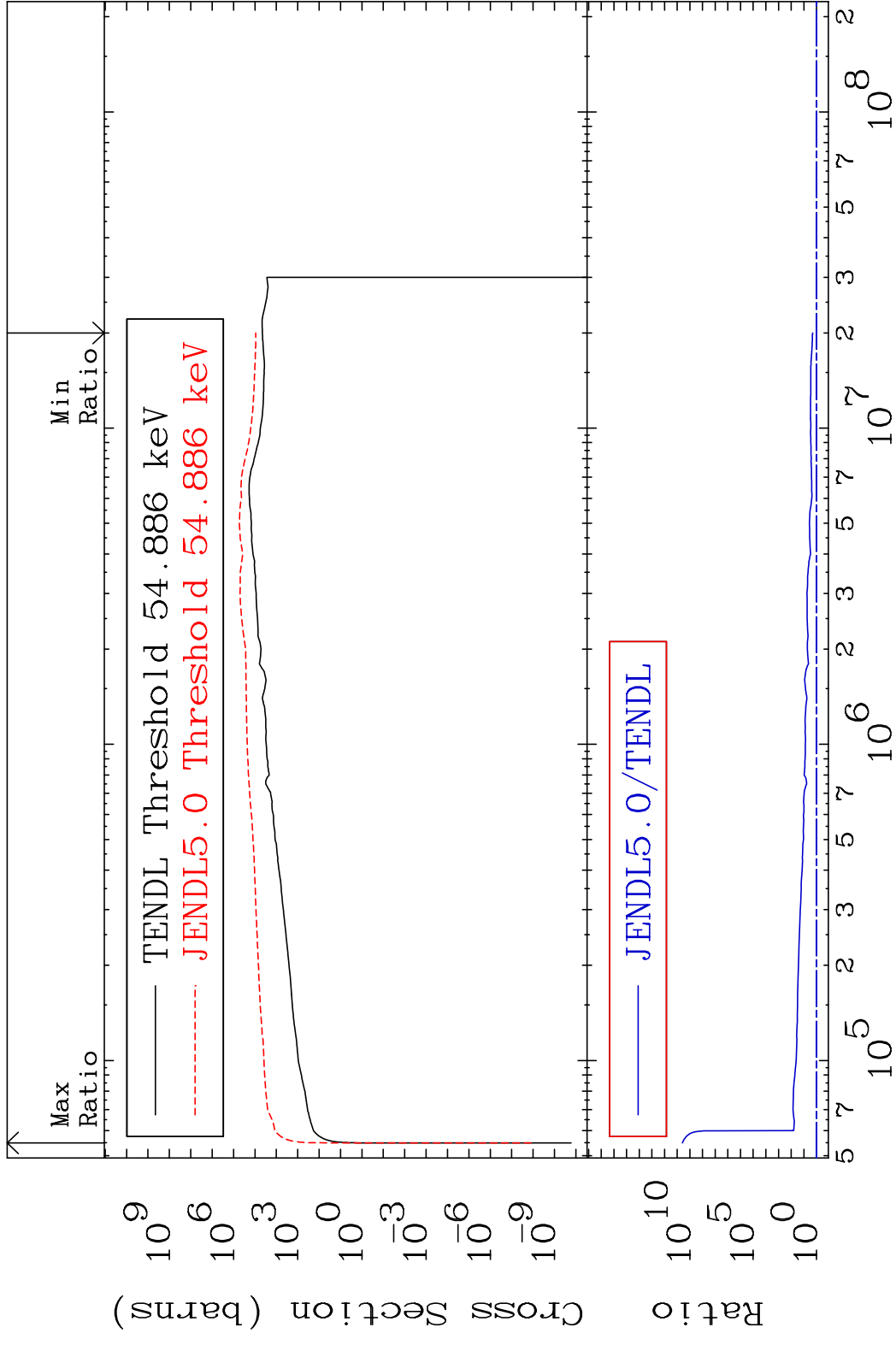


MAT 6440 Kerma non-elastic (all but mt2) 64-Gd-157  
 Cross Section -99.74 To 9999. %

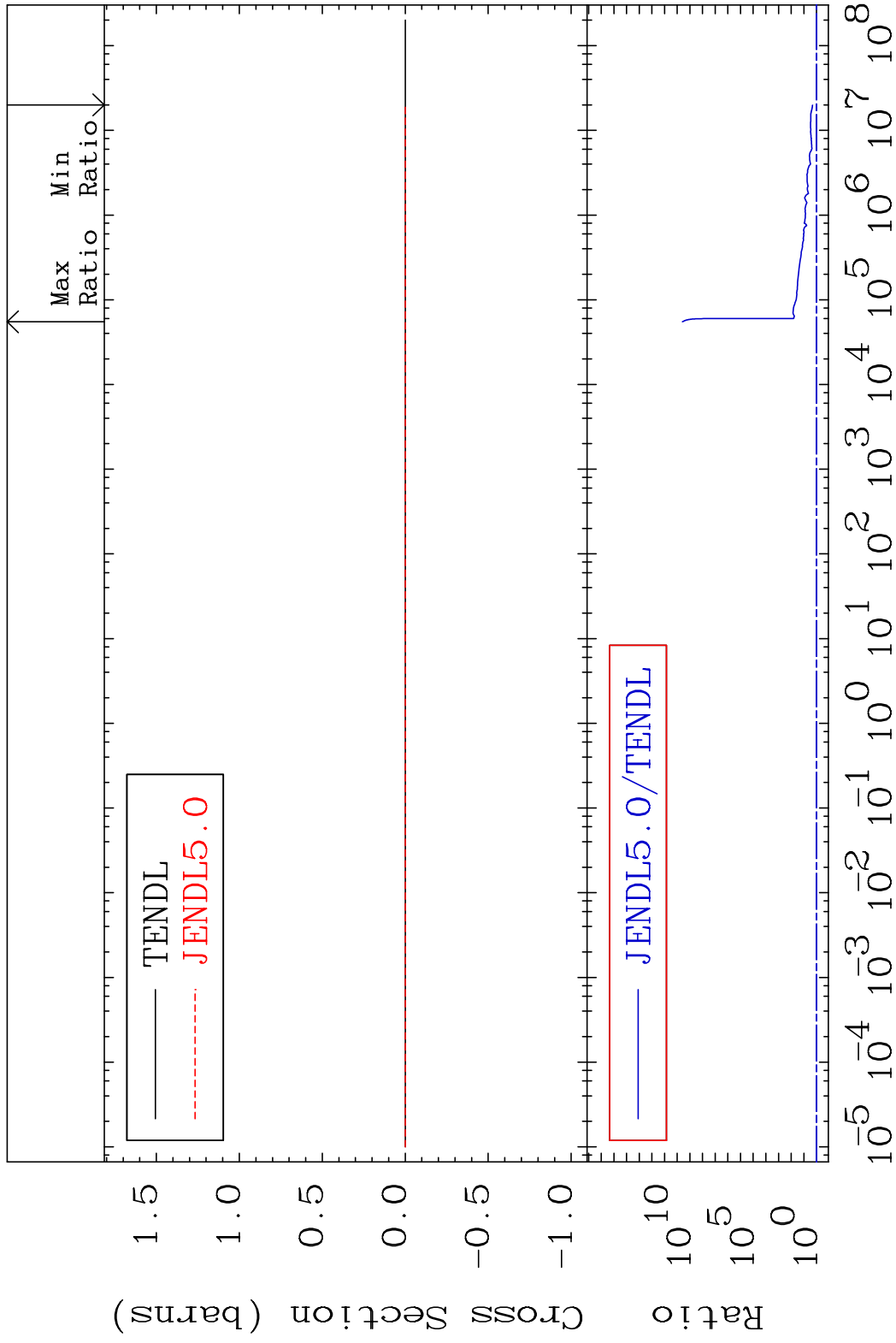




MAT 6440 Kerma inelastic (mt51-91) 64-Gd-157  
 Cross Section 105.1 To 9999. %



MAT 6440 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-157  
 Cross Section 105.1 To 9999. %

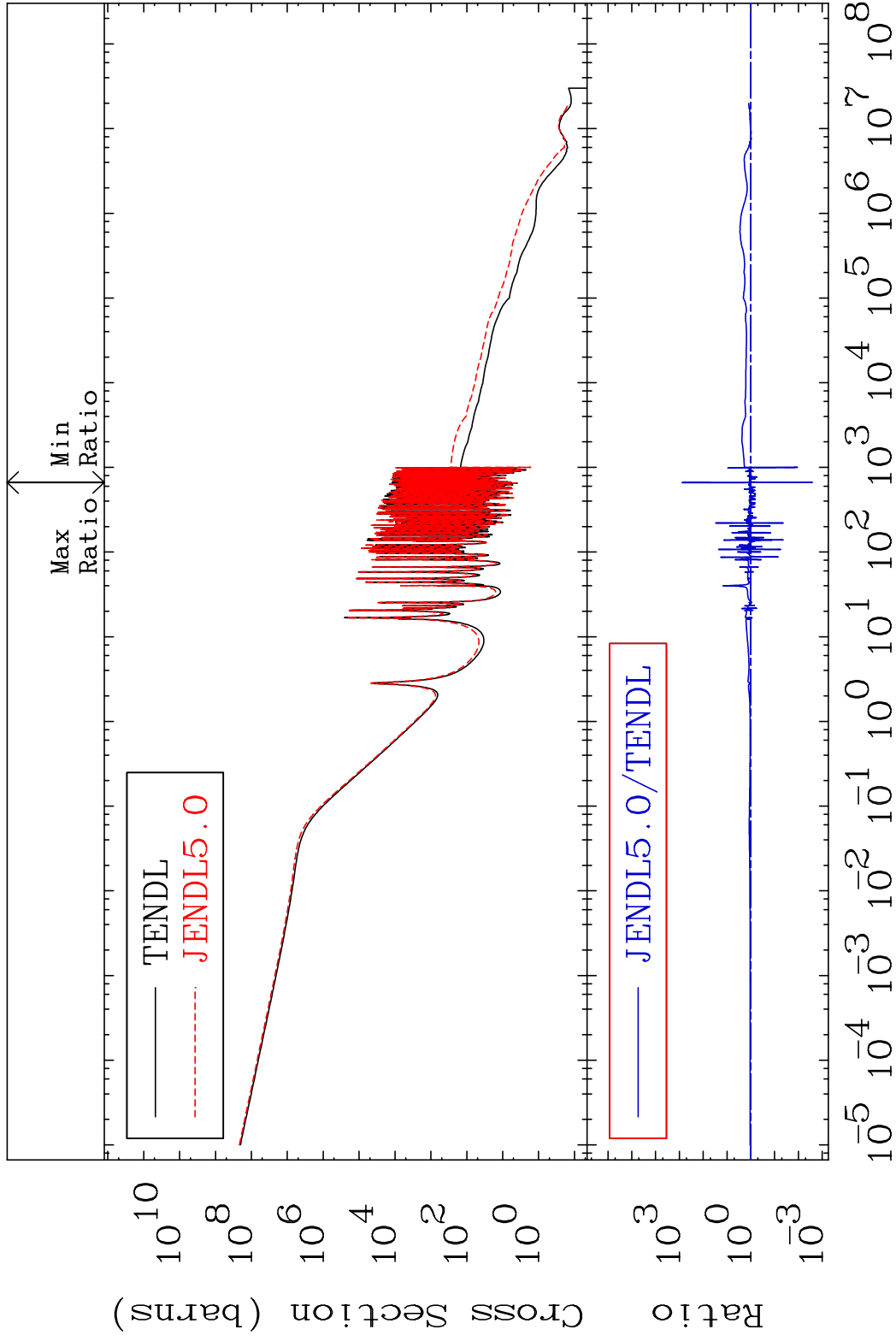


MAT 6440

Kerma capture (mt102)

64-Gd-157

Cross Section -99.75 To 9999. %



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Incident Energy (eV)

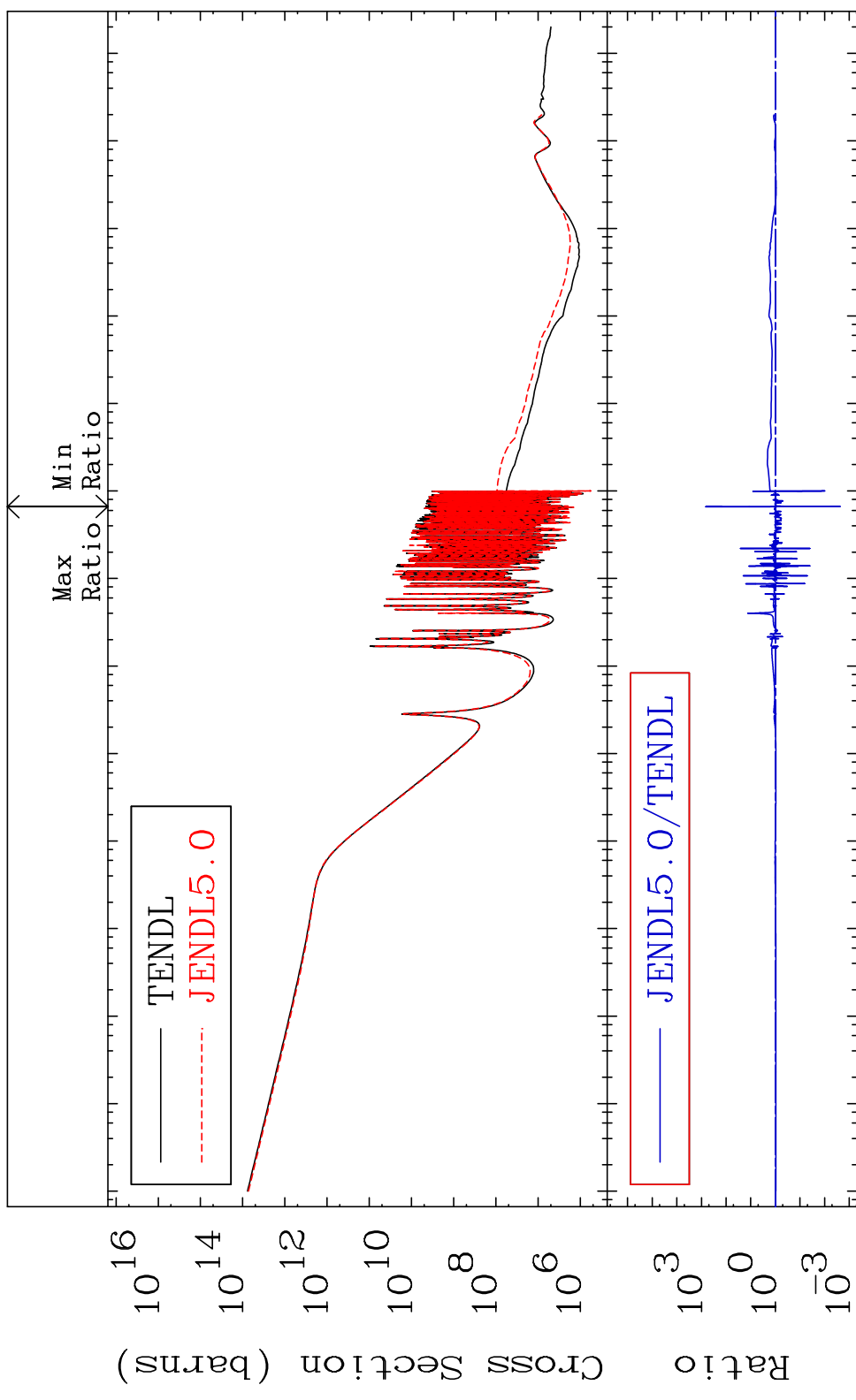
64-Gd-157

MAT 6440

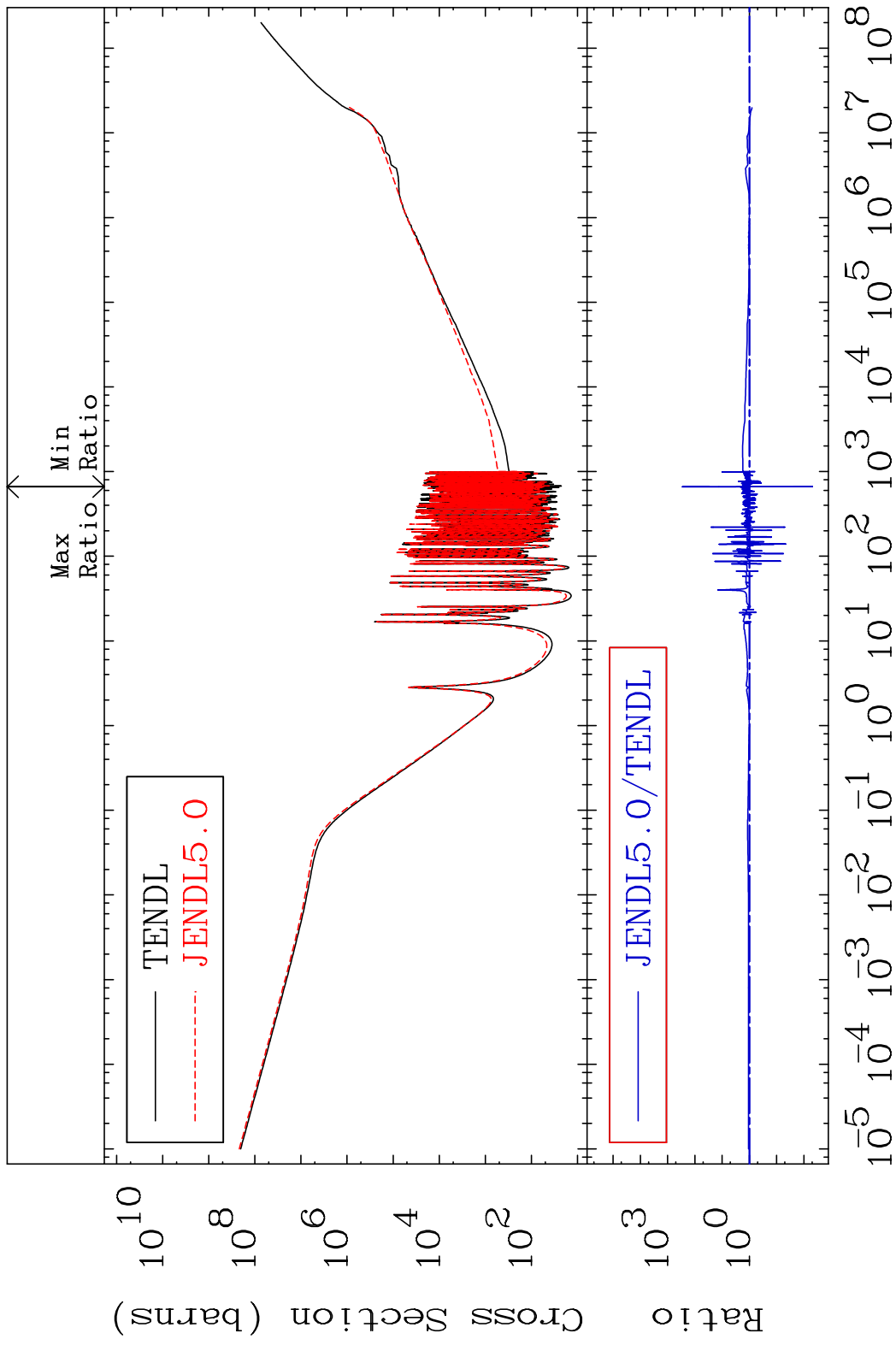
Total photon (eV-barns)

64-Gd-157

Cross Section -99.77 To 9999. %



MAT 6440 Total kinematic kerma (high limit) 64-Gd-157  
Cross Section -99.52 To 9999. %

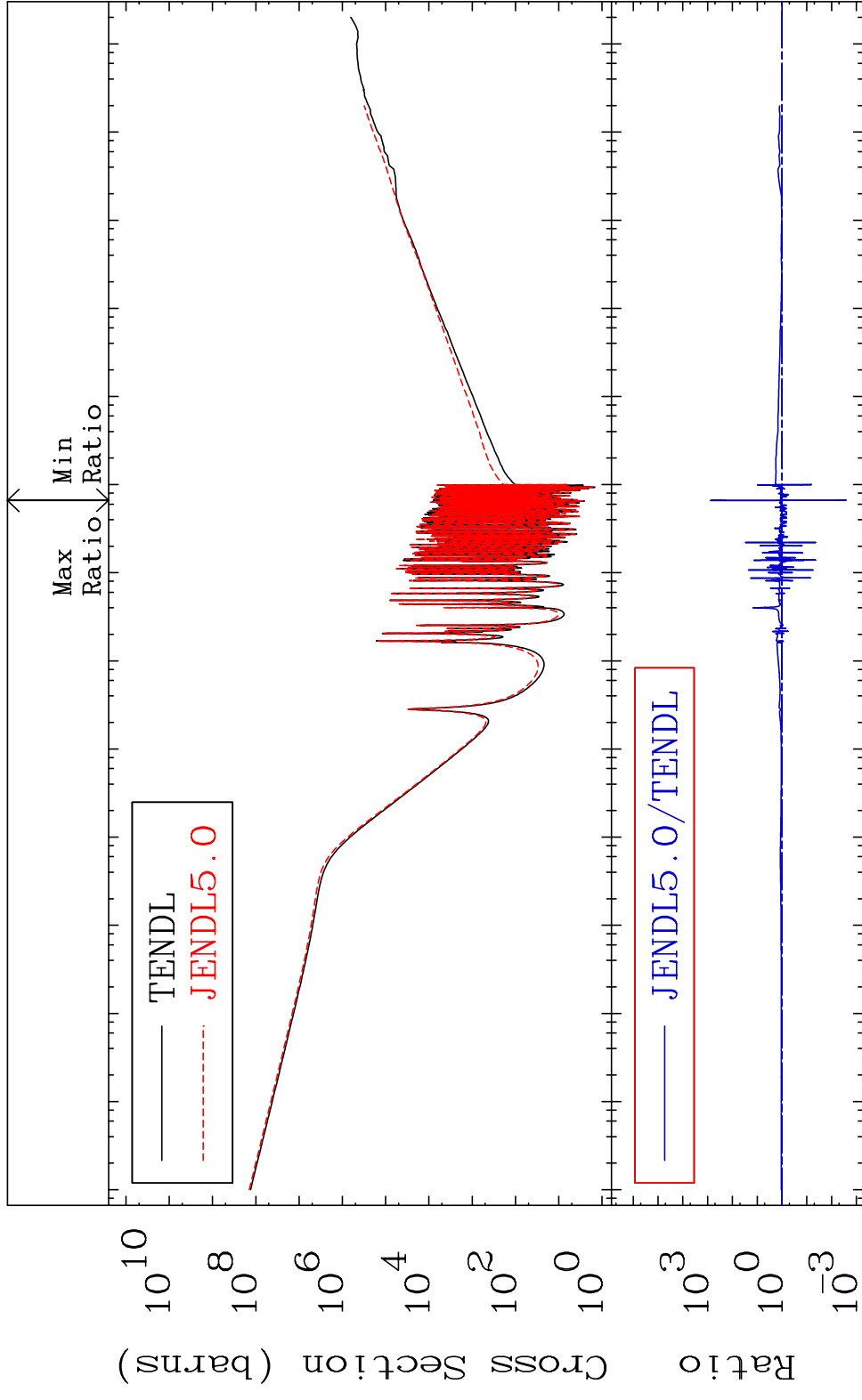


MAT 6440

Dpa total (eV-barns)

64-Gd-157

Cross Section -99.74 To 9999. %

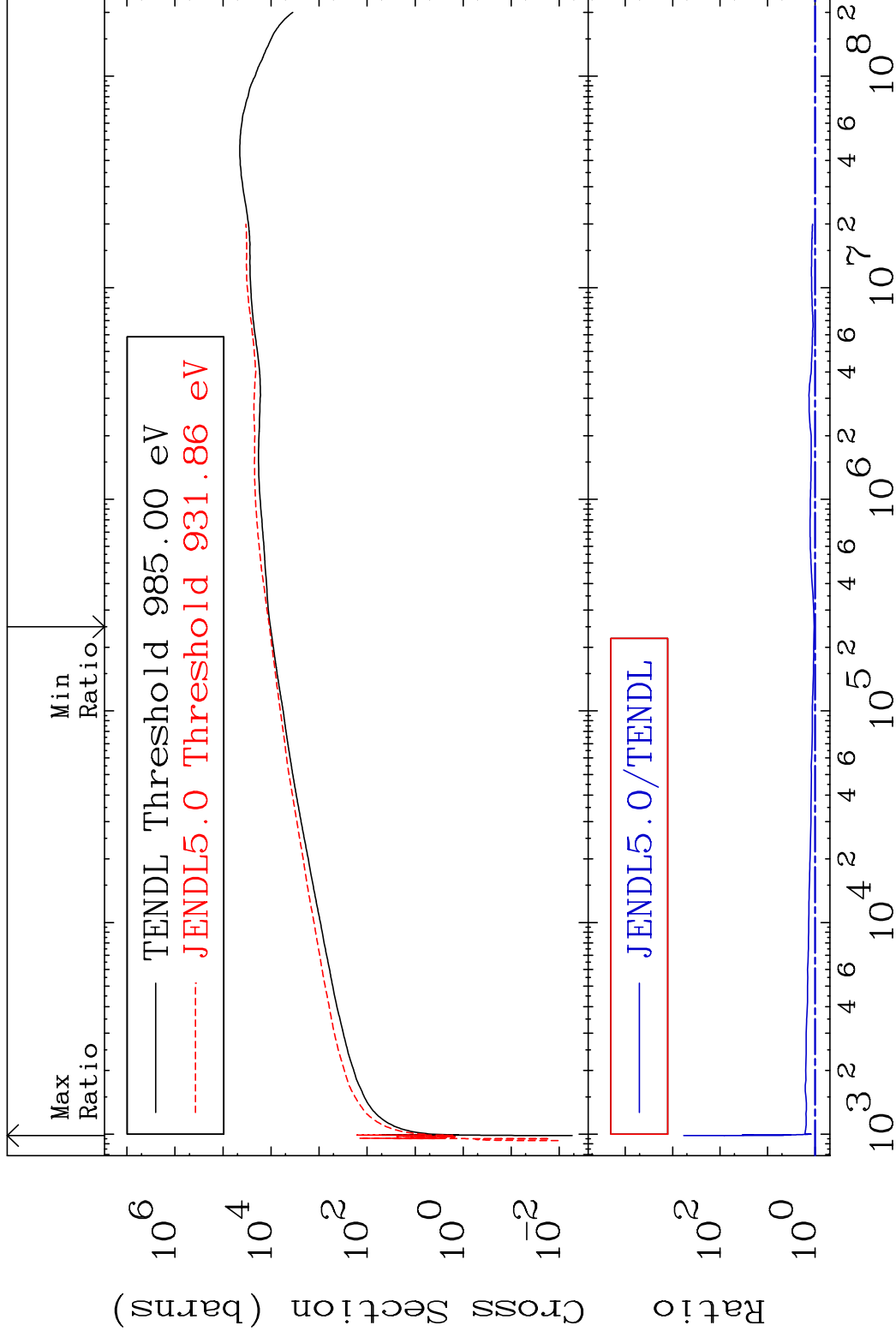


MAT 6440

Dpa elastic (mt2)

64-Gd-157

Cross Section 4.680 To 9999. %

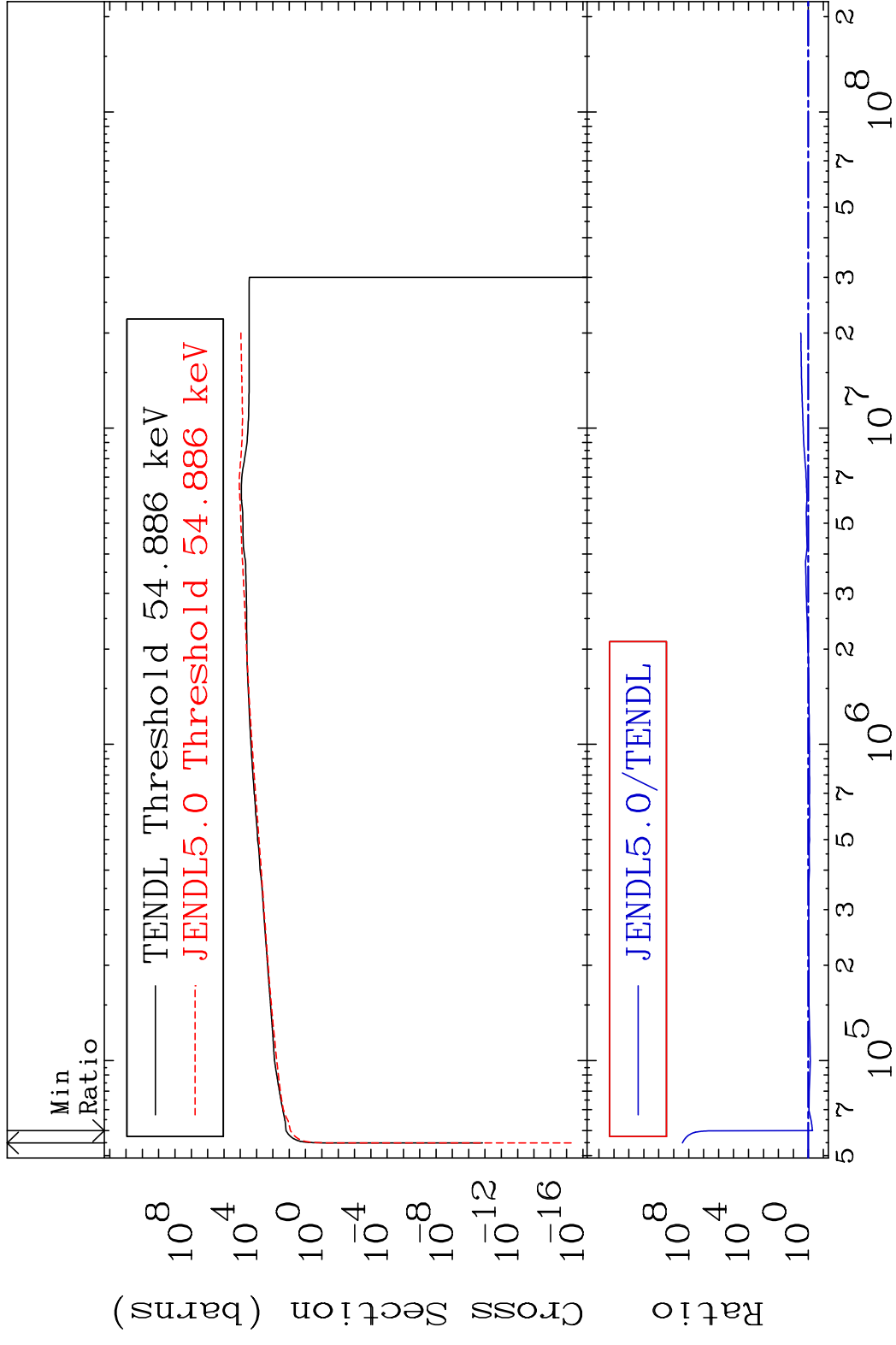


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Incident Energy (eV)

64-Gd-157

MAT 6440 Dpa inelastic (mt51-91) 64-Gd-157  
 Cross Section -47.76 To 9999. %





MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157  
 Cross Section -99.74 To 9999. %

