

Program Complot  
(Version 2021-1)

by

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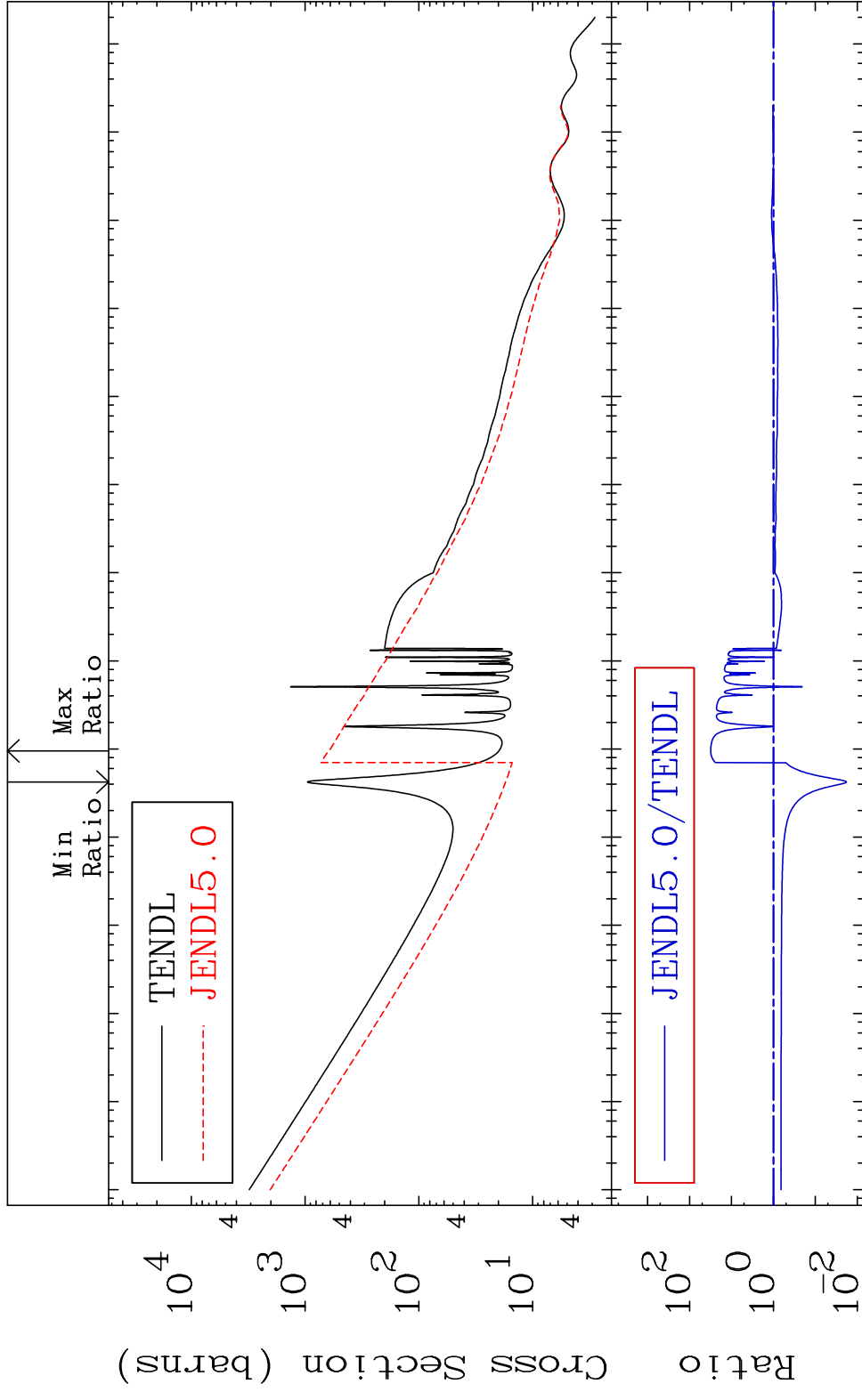
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7828

Total  
Cross Section -98.18 To 3018. %

78-Pt-191



78-Pt-191

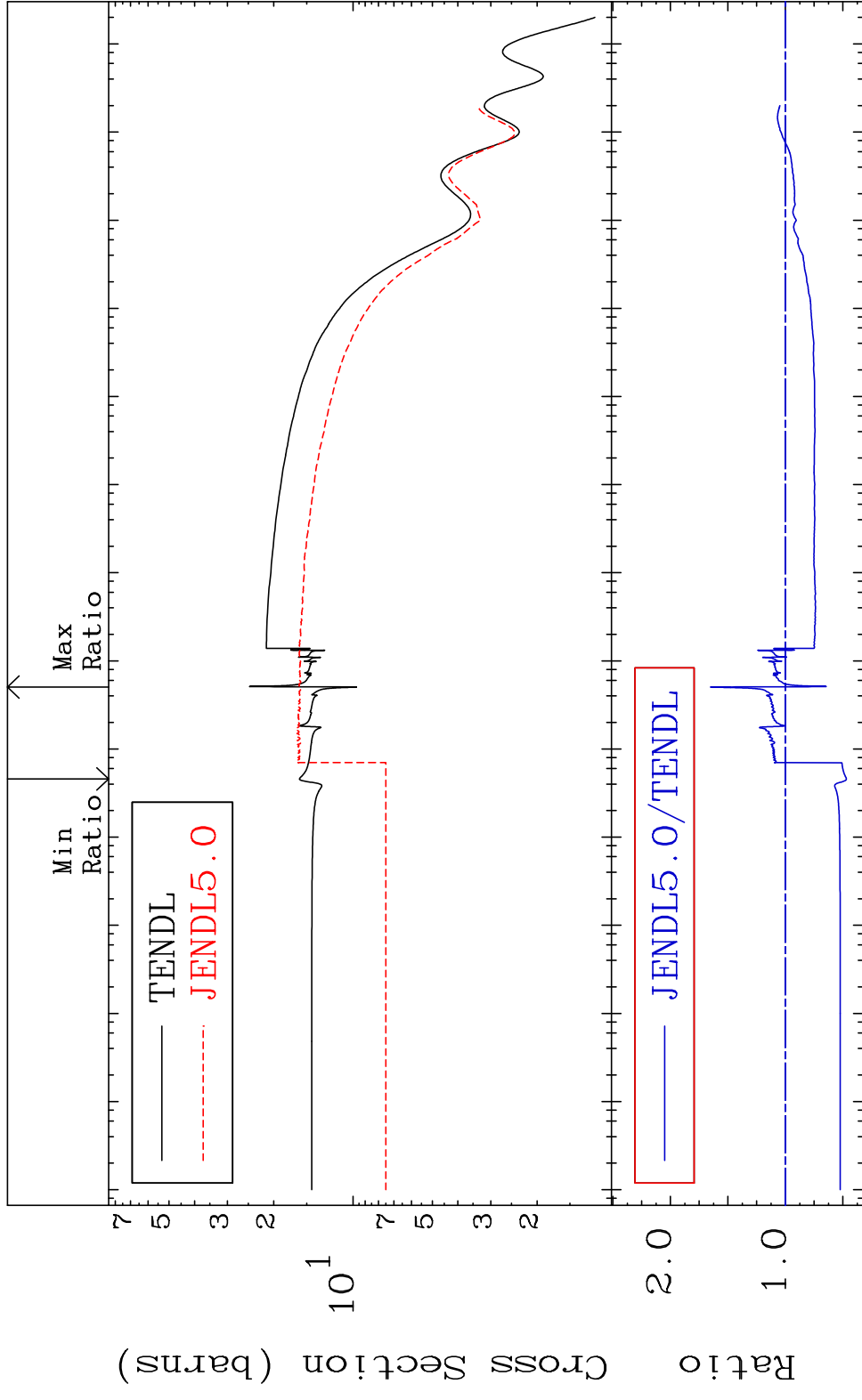
Incident Energy (eV)

1

MAT 7828

Elastic Cross Section -53.01 To 64.96 %

78-Pt-191



78-Pt-191

Incident Energy (eV)

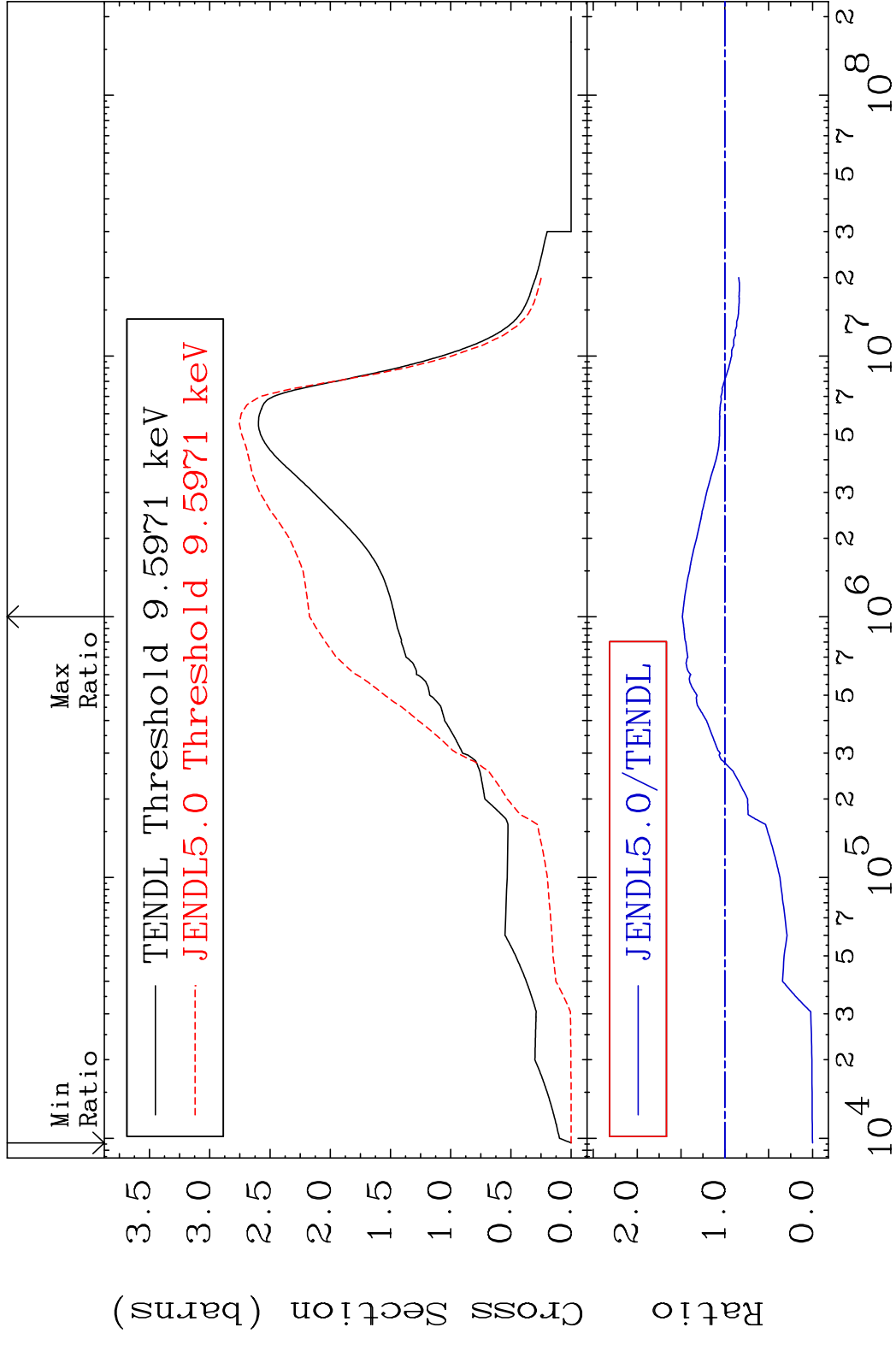
2

MAT 7828

Inelastic

78-Pt-191

Cross Section -100.0 To 48.46 %



3

Incident Energy (eV)

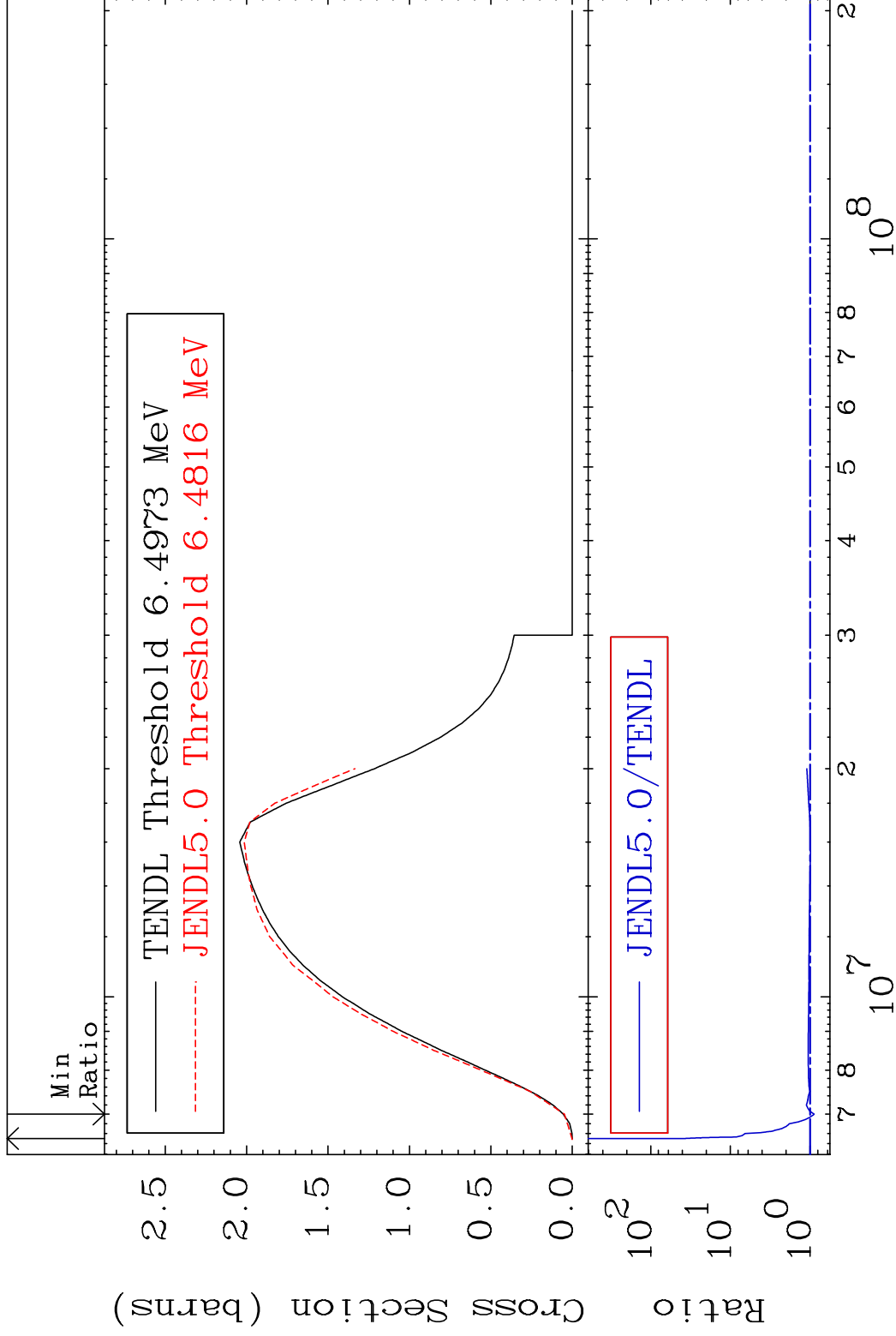
78-Pt-191

MAT 7828

(n,2n)

78-Pt-191

Cross Section -11.03 To 3759. %



4

Incident Energy (eV)

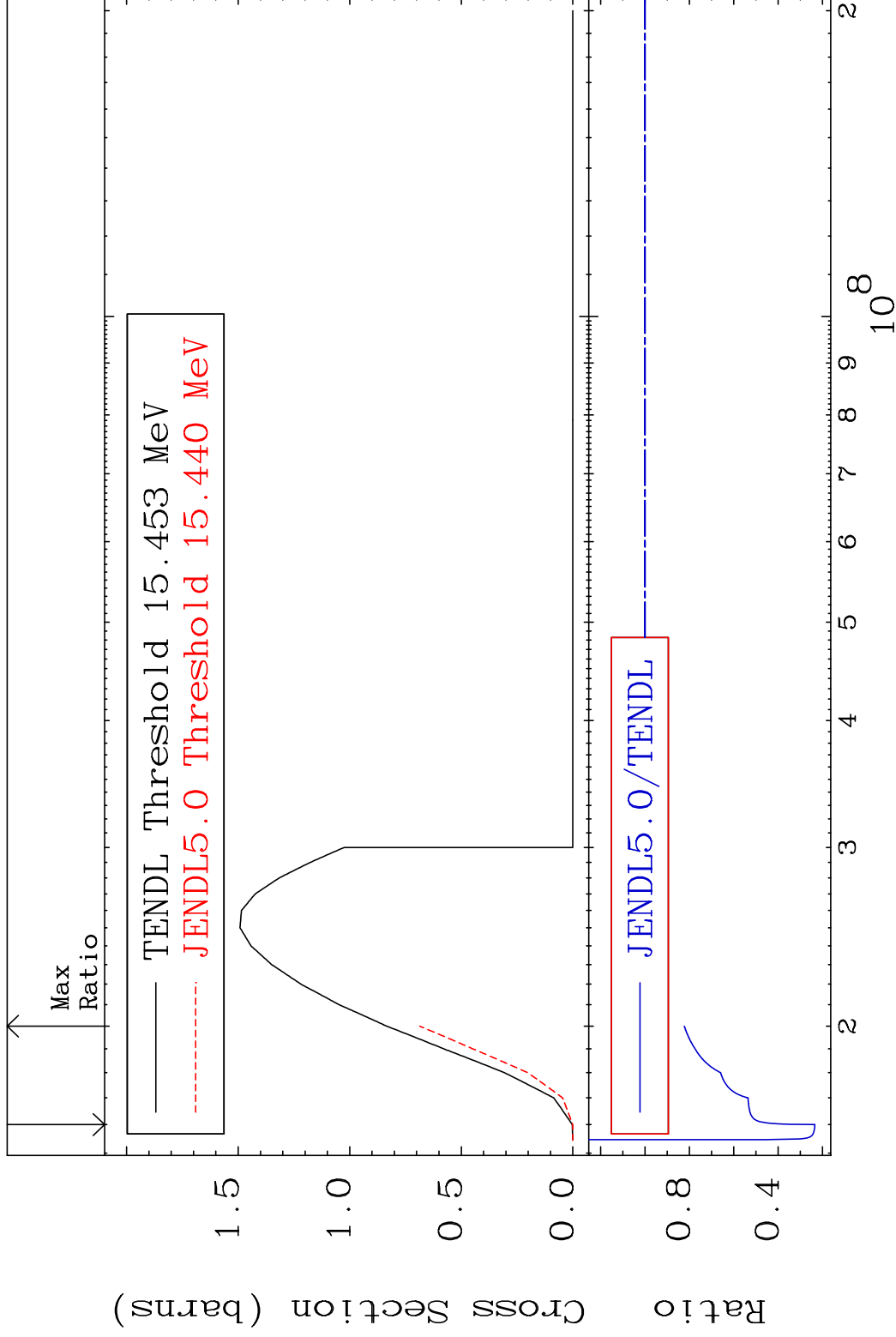
78-Pt-191

MAT 7828

(n,3n)

78-Pt-191

Cross Section -76.57 To -17.69%



5

Incident Energy (eV)

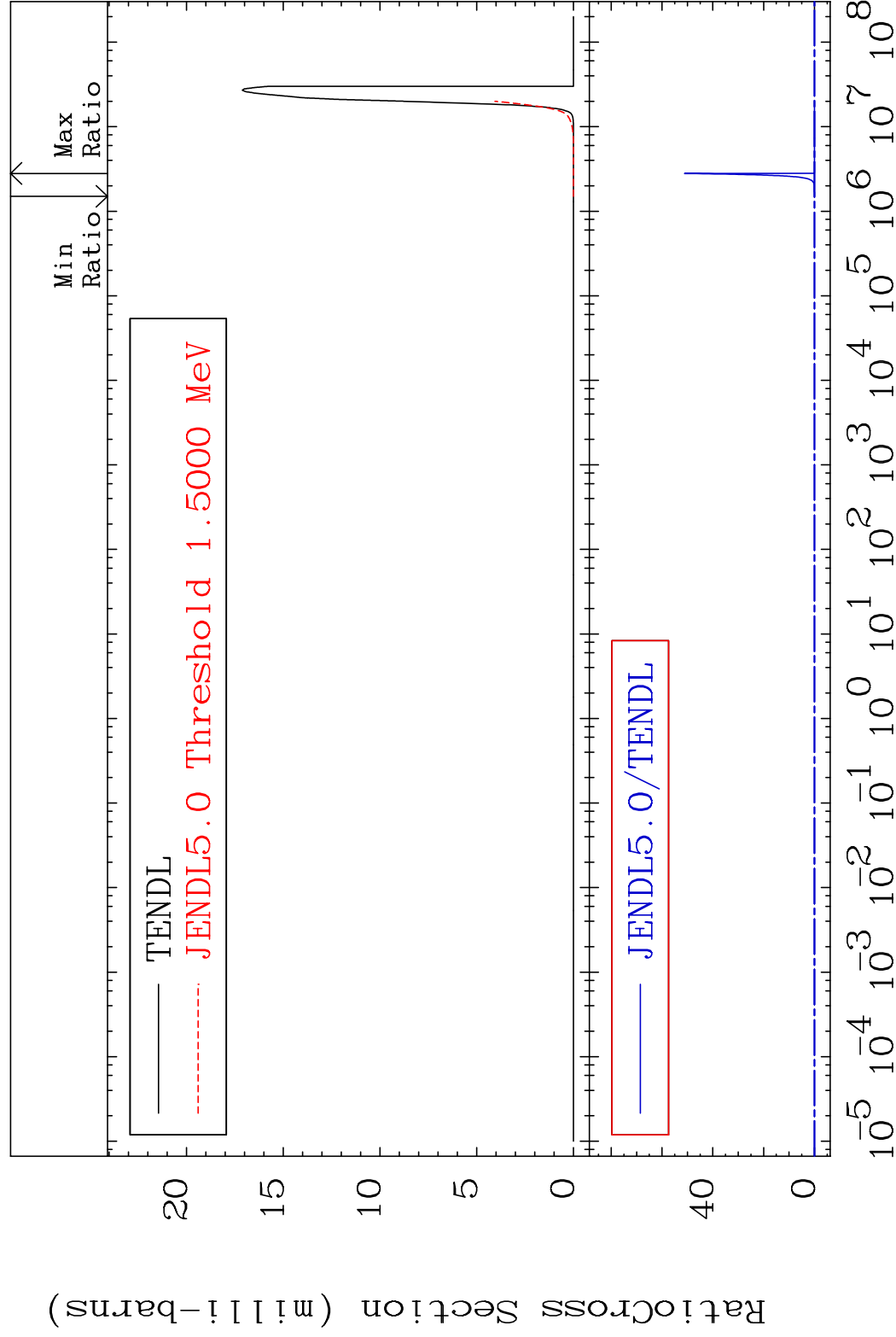
78-Pt-191

MAT 7828

(n, n')  $\alpha$

78-Pt-191

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

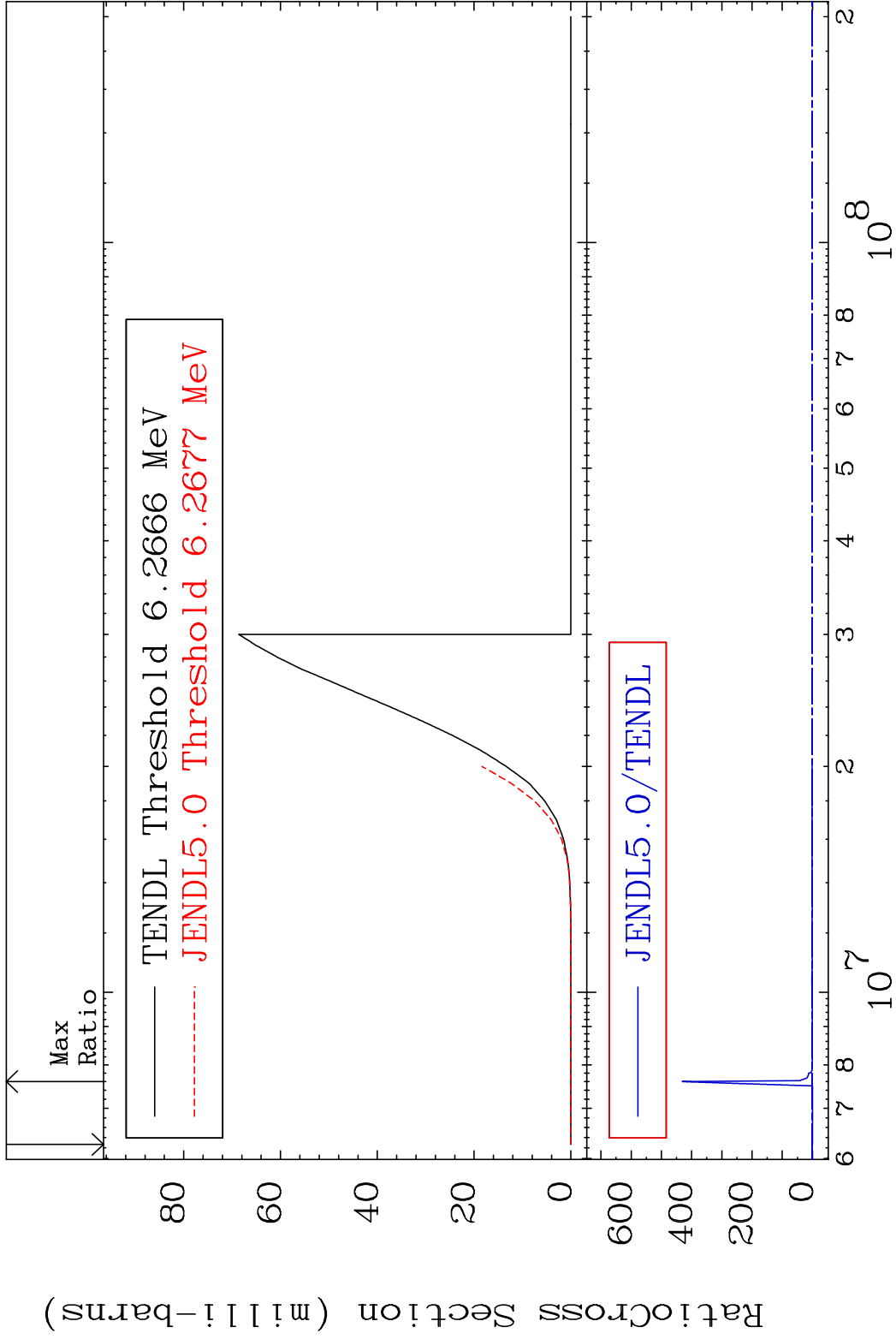
78-Pt-191

MAT 7828

(n, n') p

78-Pt-191

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

78-Pt-191

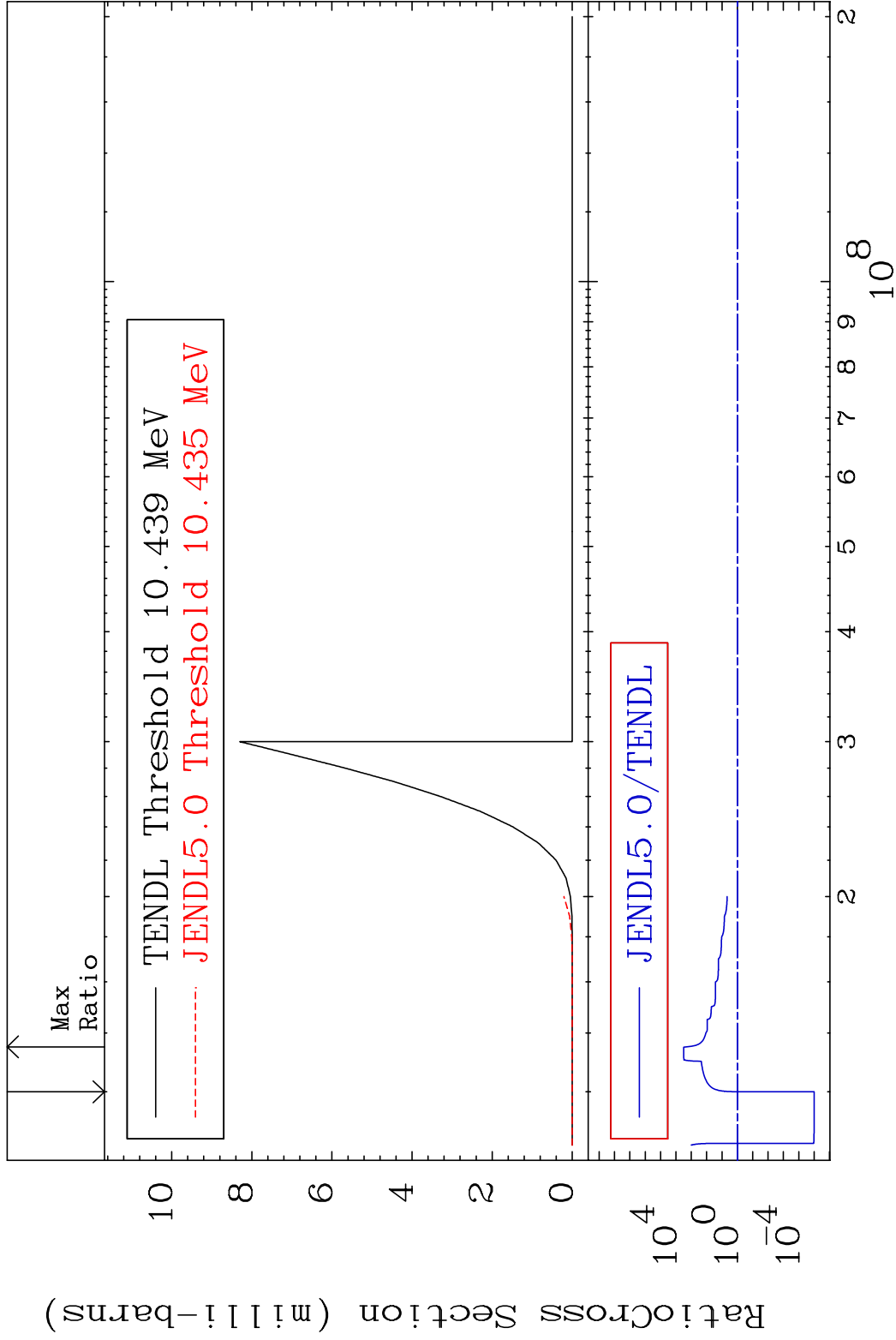


MAT 7828

(n, n') d

78-Pt-191

Cross Section -100.0 To 9999. %

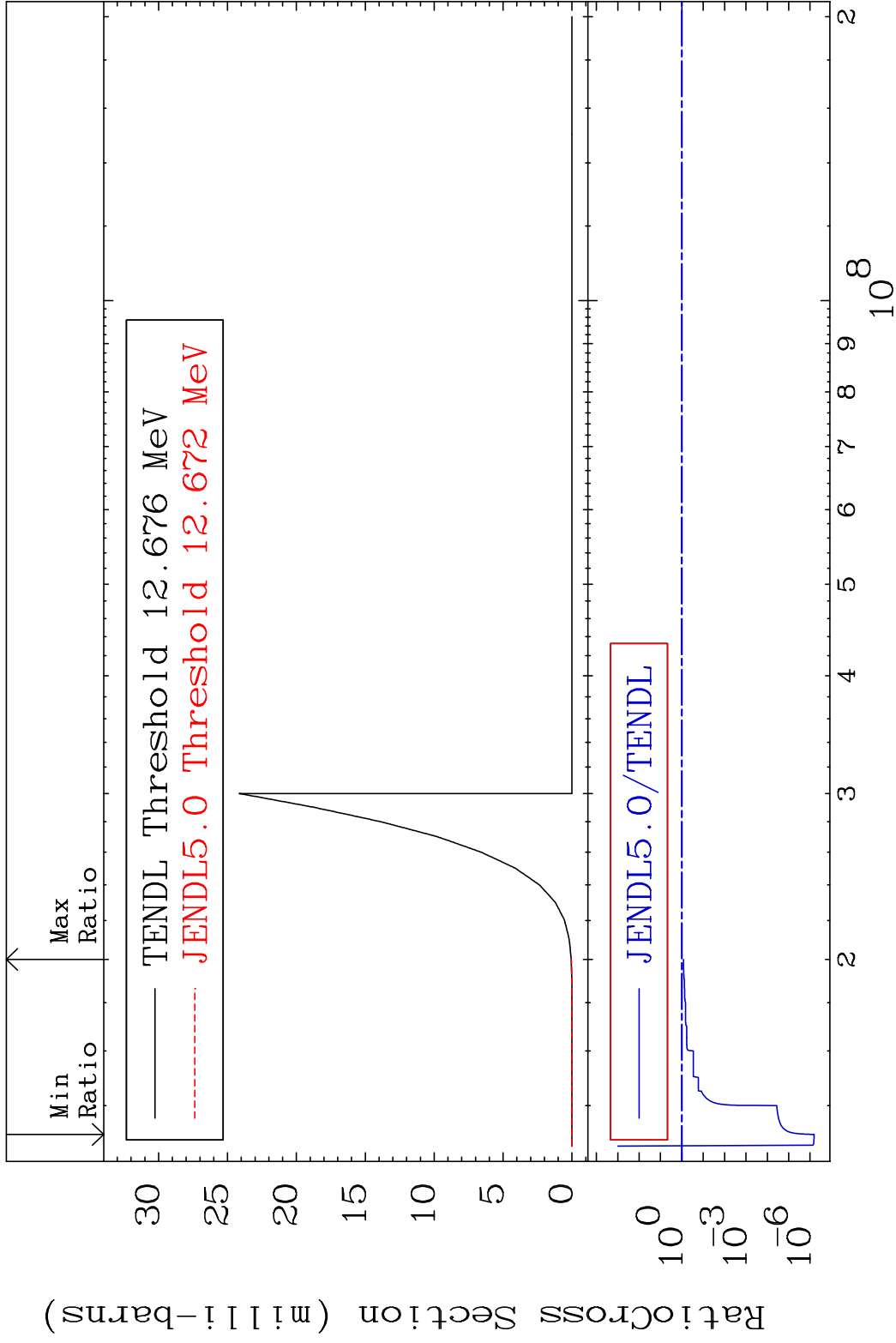


MAT 7828

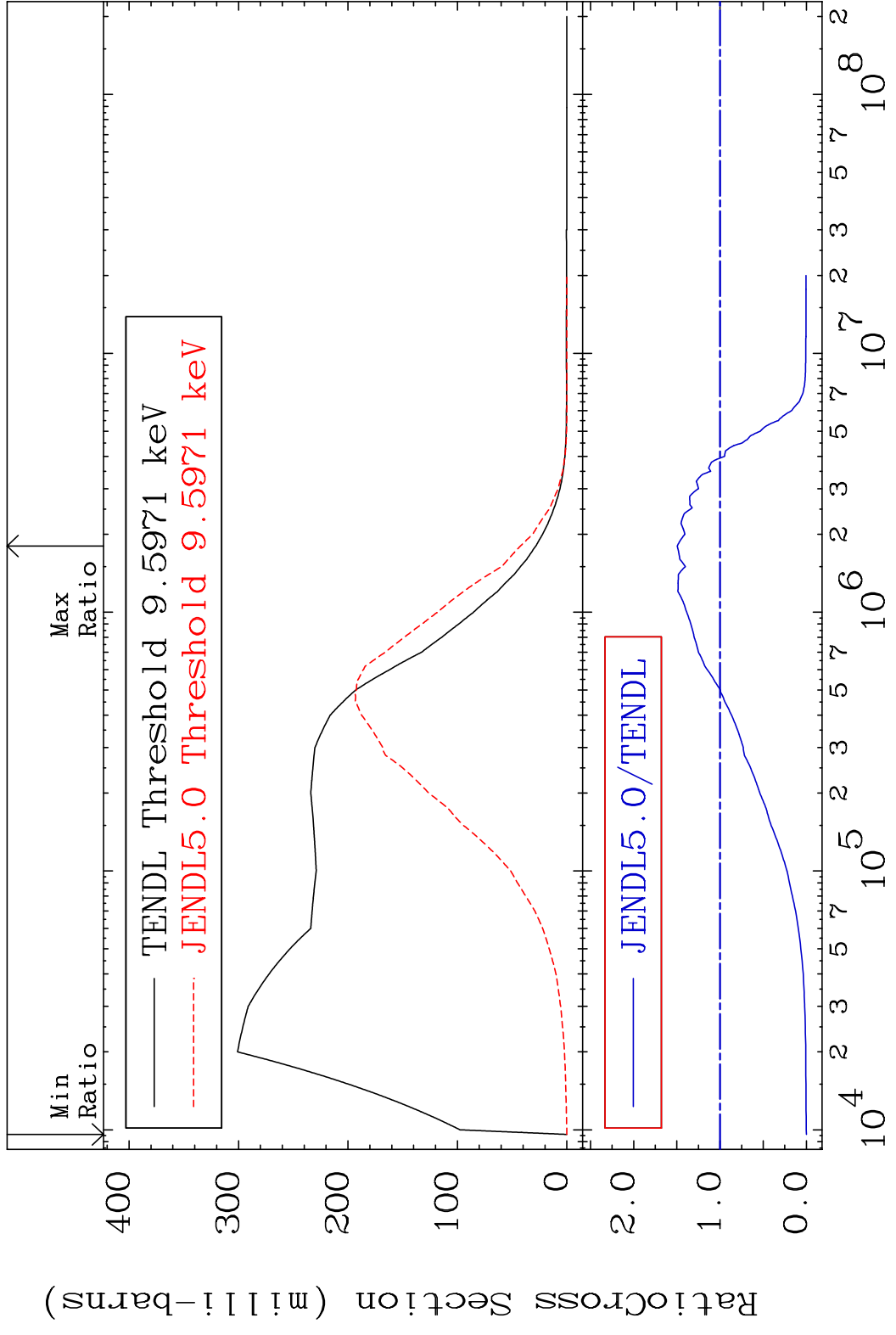
(n,2n) p

78-Pt-191

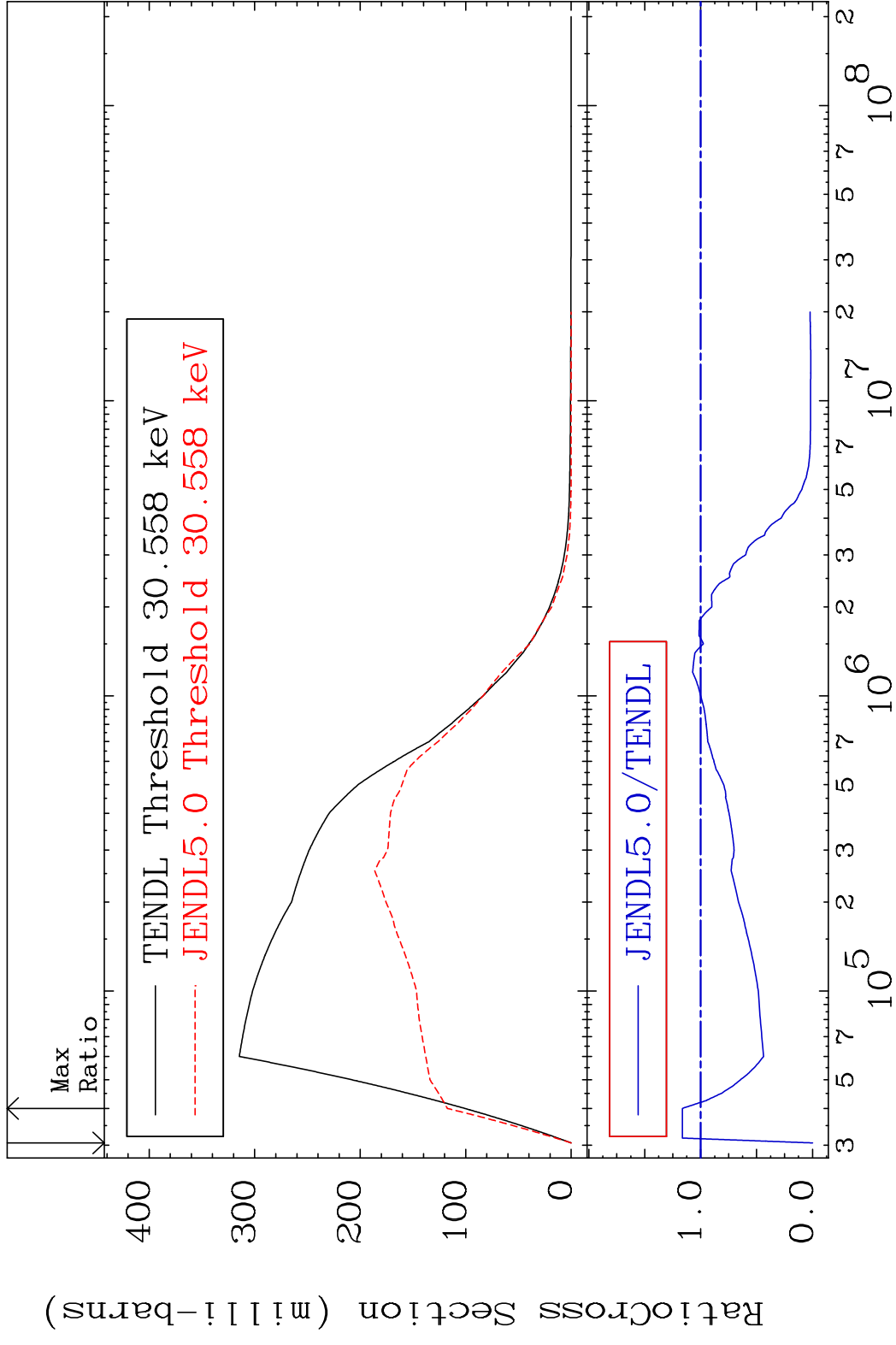
Cross Section -100.0 To -15.77%



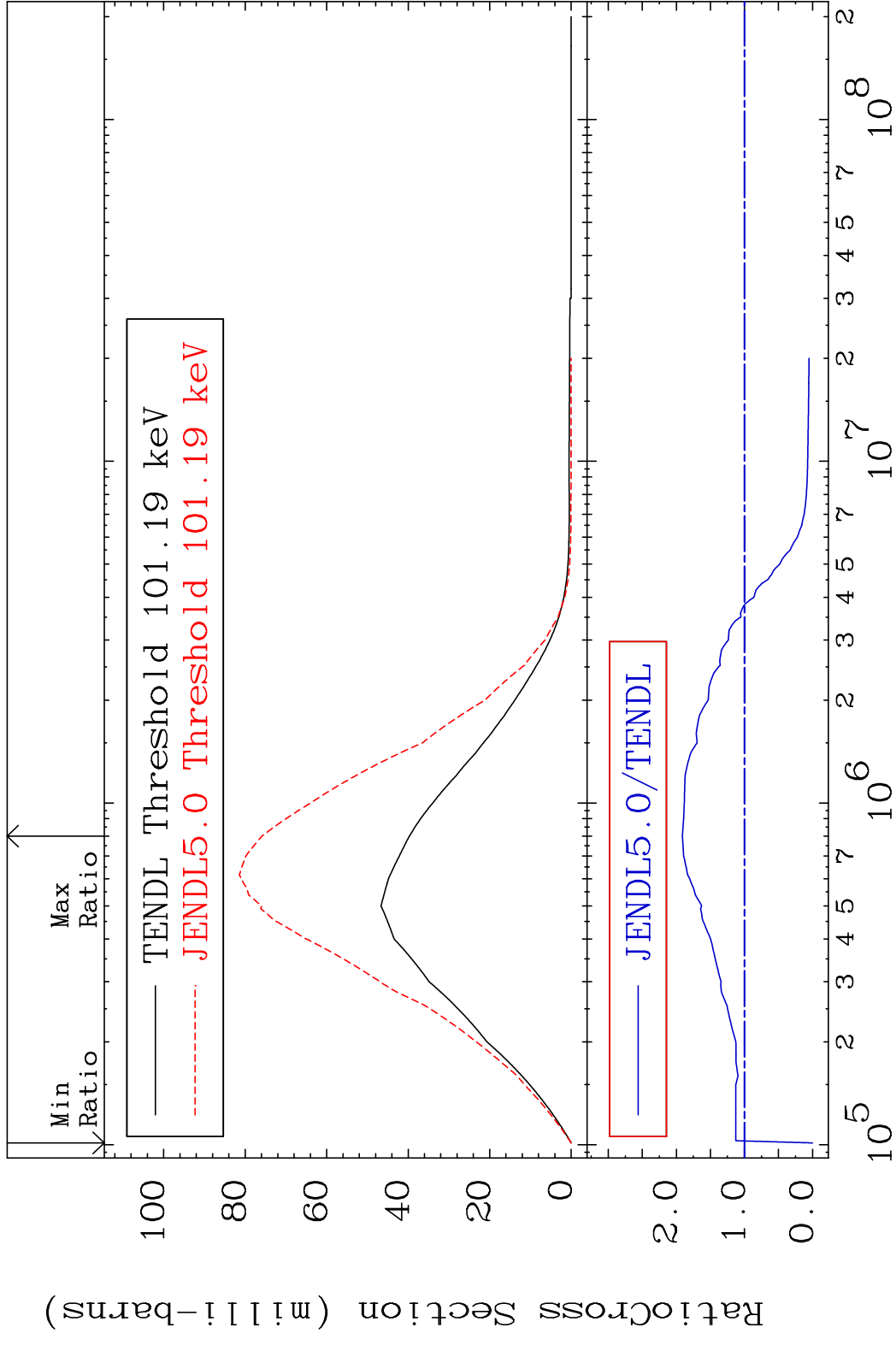
MAT 7828 MT= 51 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 49.63 %



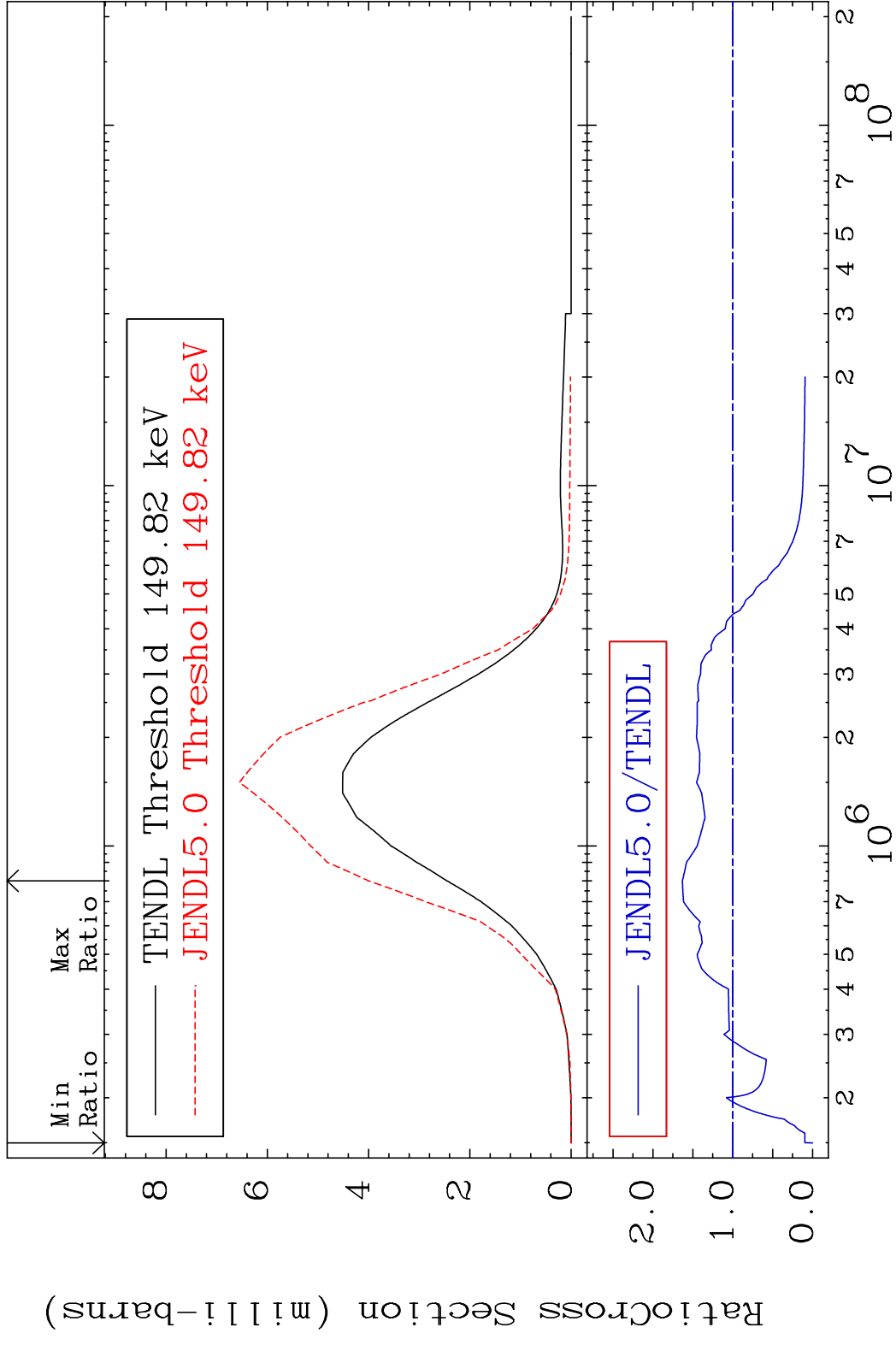
MAT 7828 MT= 52 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 16.38 %



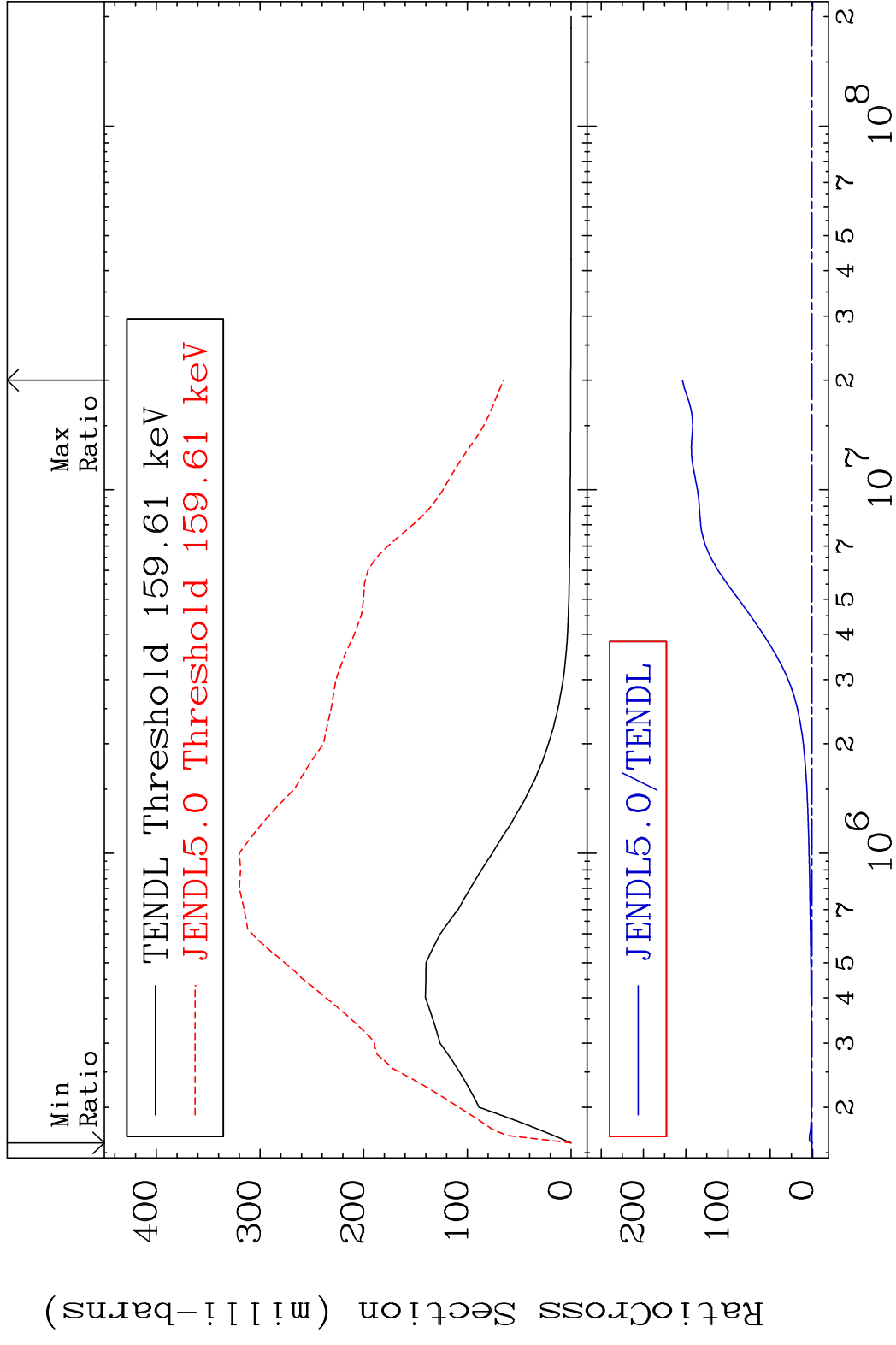
MAT 7828 MT= 53 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 91.18 %



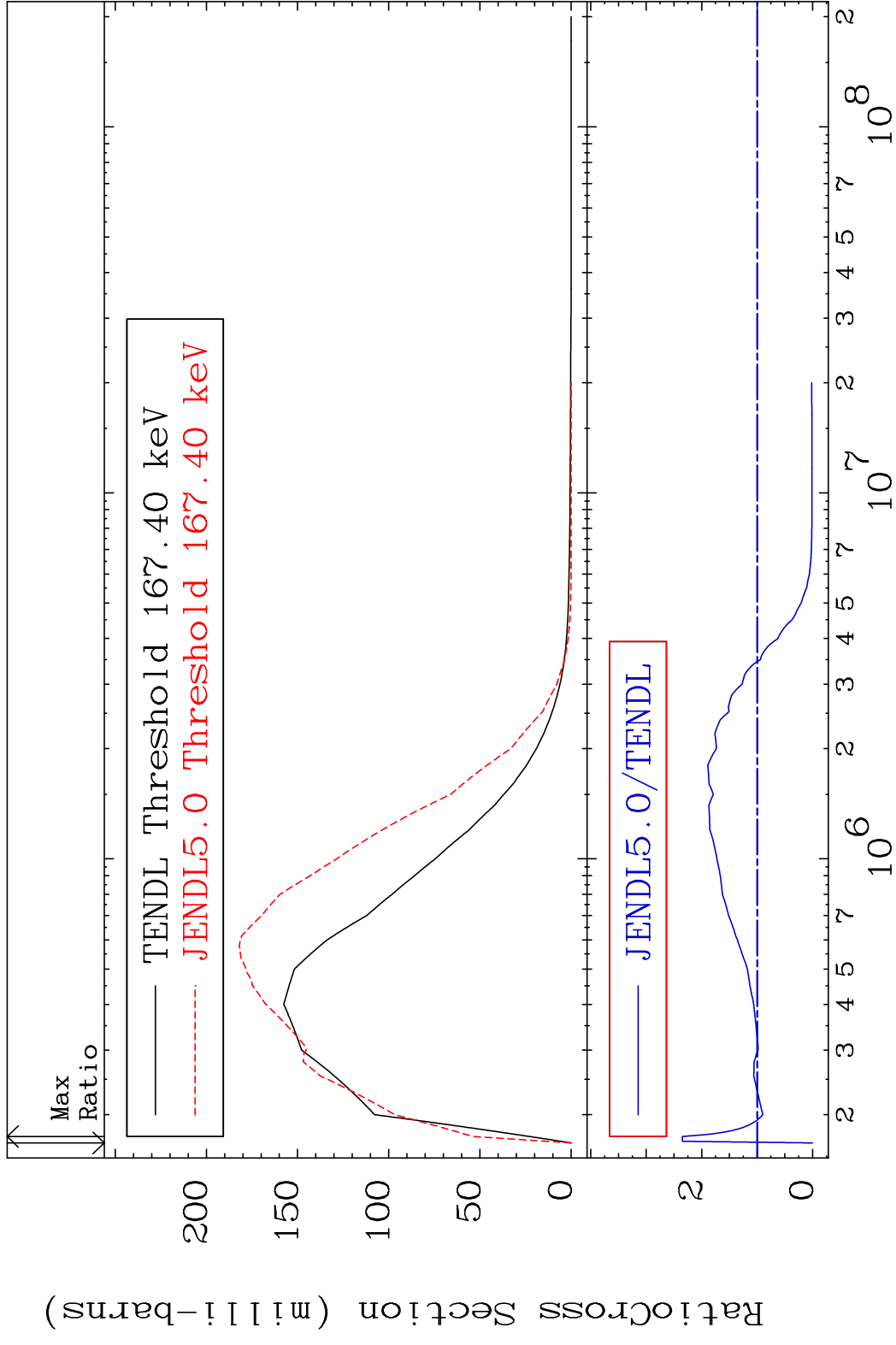
MAT 7828 MT= 54 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 63.13 %



MAT 7828 MT= 55 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 9999. %

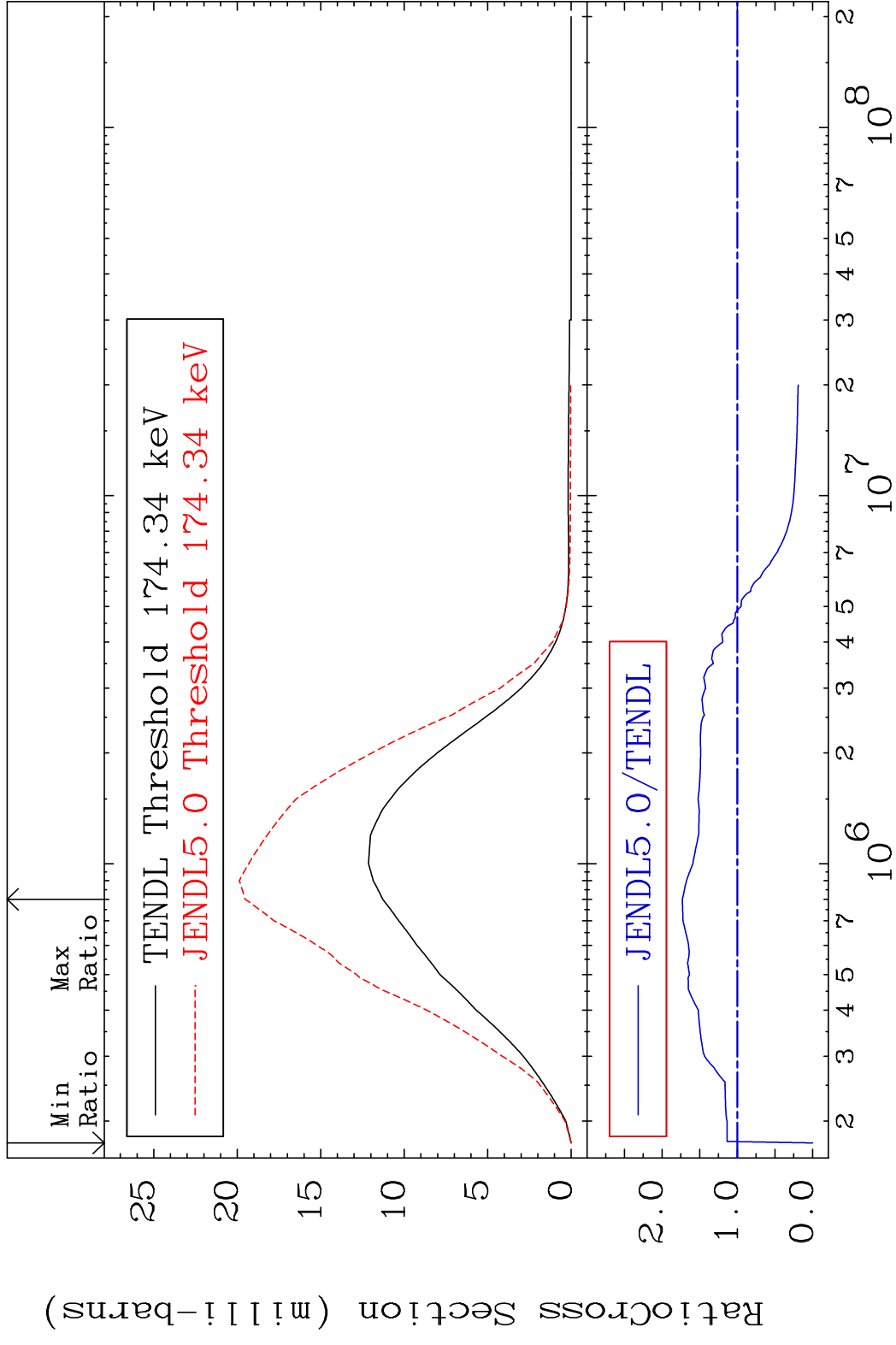


MAT 7828 MT= 56 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 134.8 %

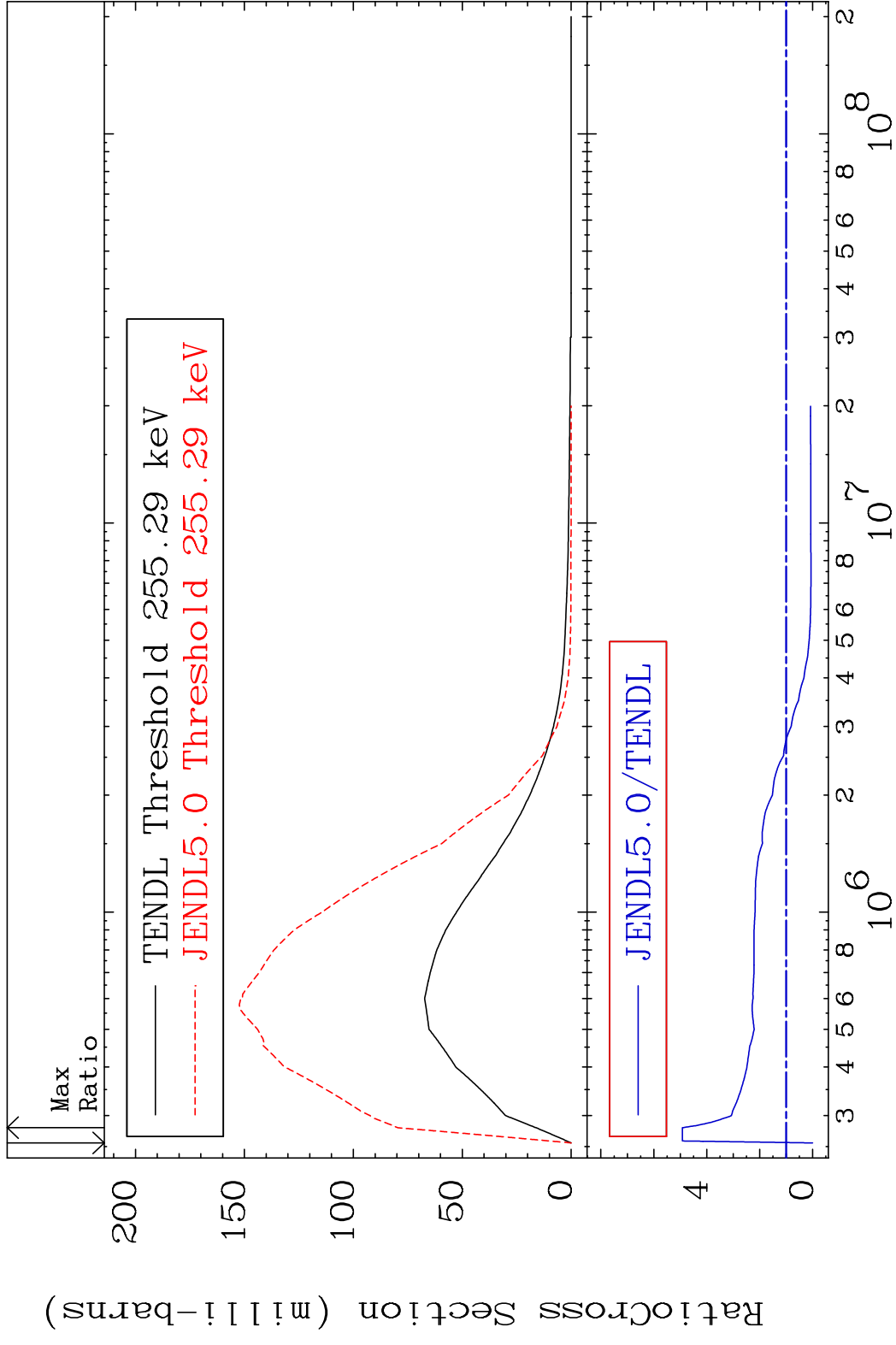




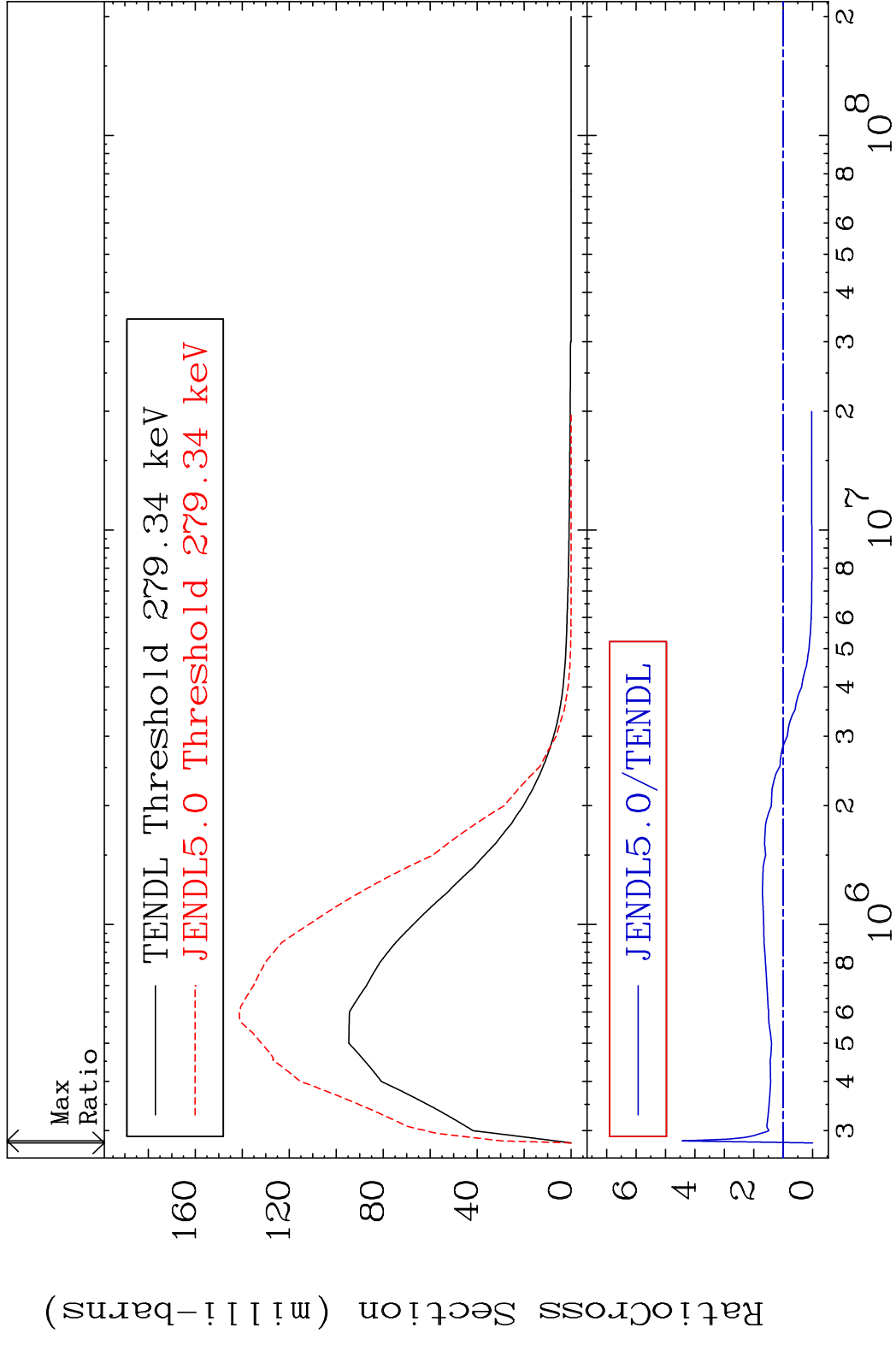
MAT 7828 MT= 57 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 73.05 %



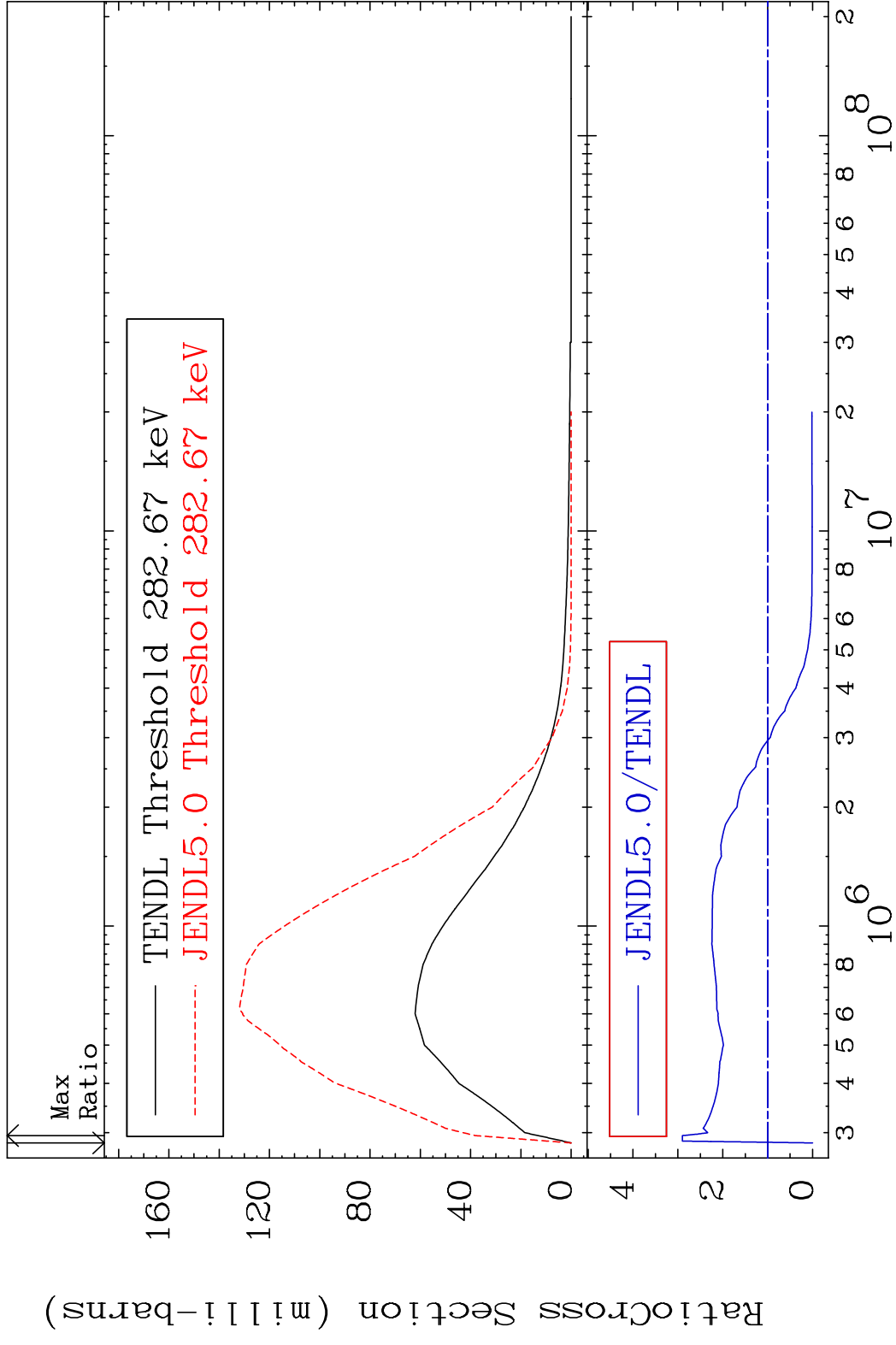
MAT 7828 MT= 58 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 392.0 %



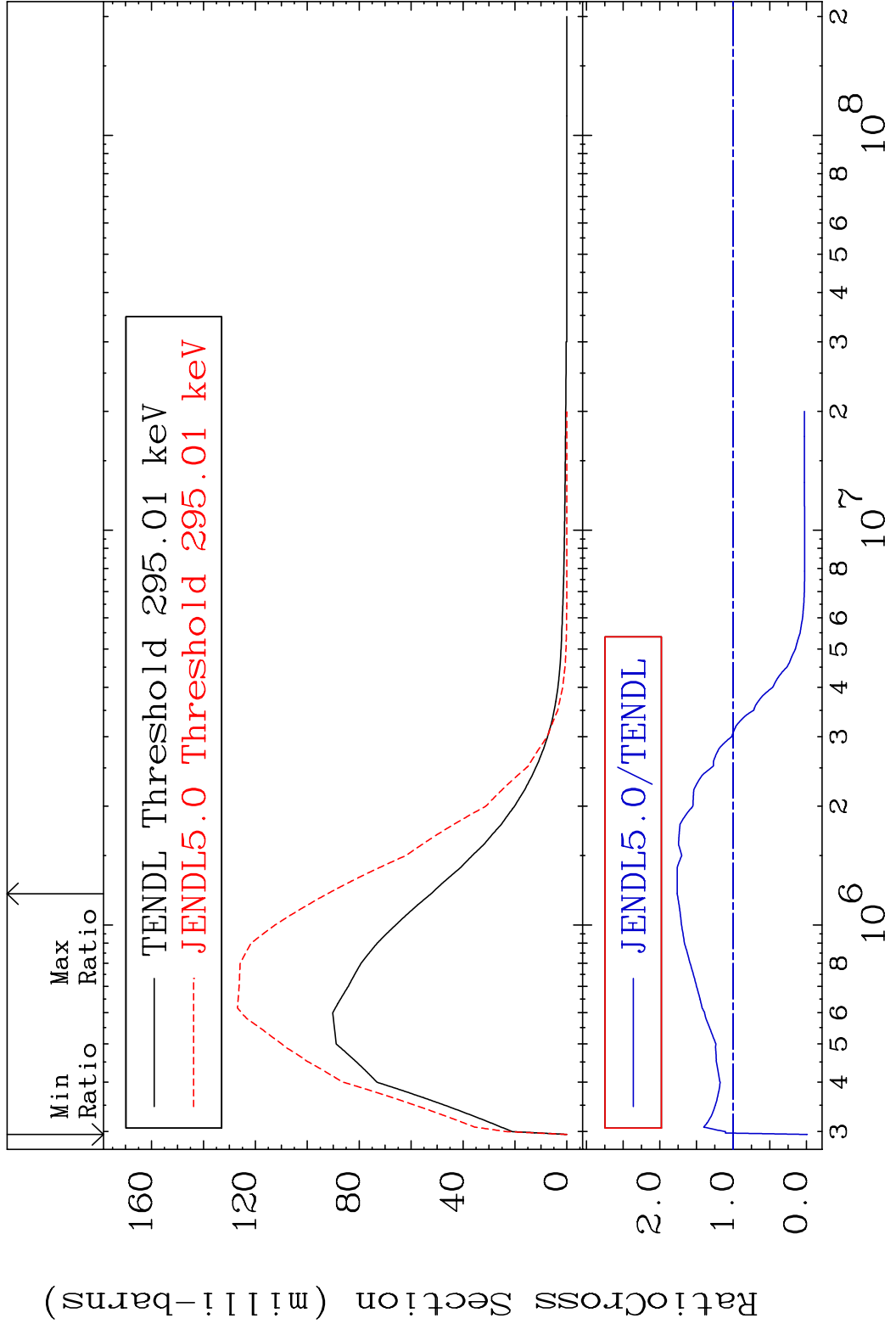
MAT 7828 MT= 59 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 342.5 %



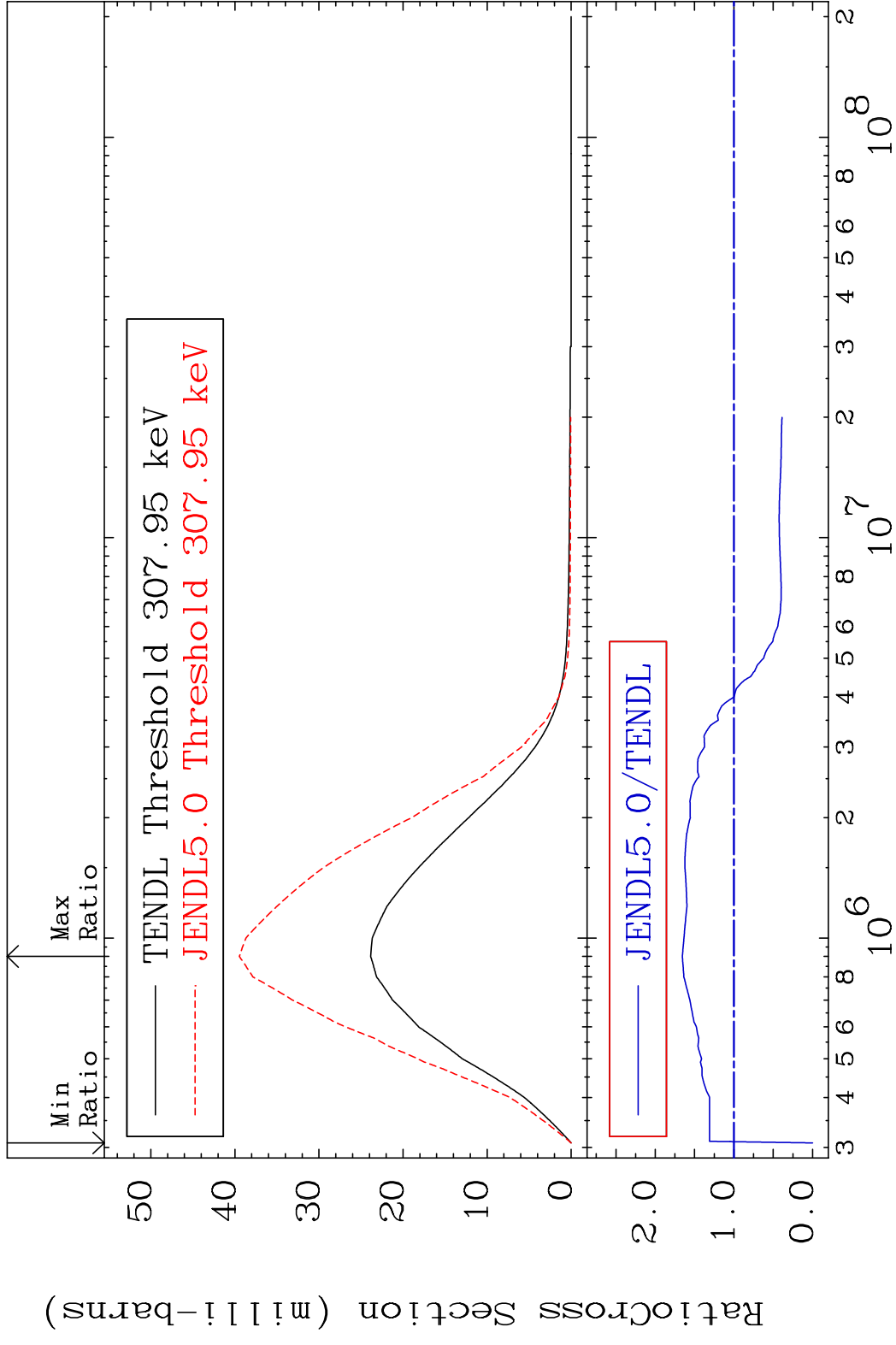
MAT 7828 MT= 60 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 190.0 %



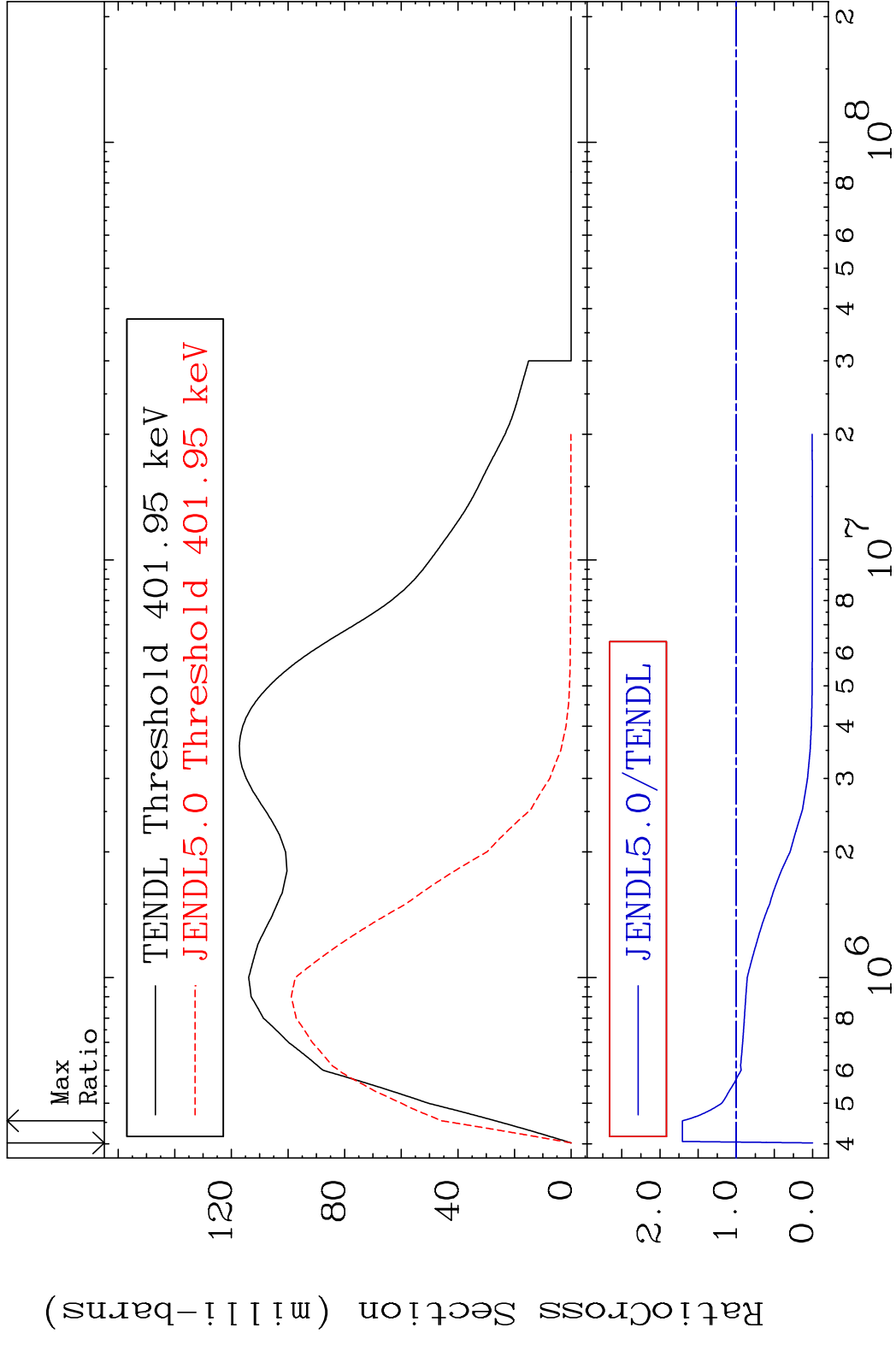
MAT 7828 MT= 61 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 76.34 %



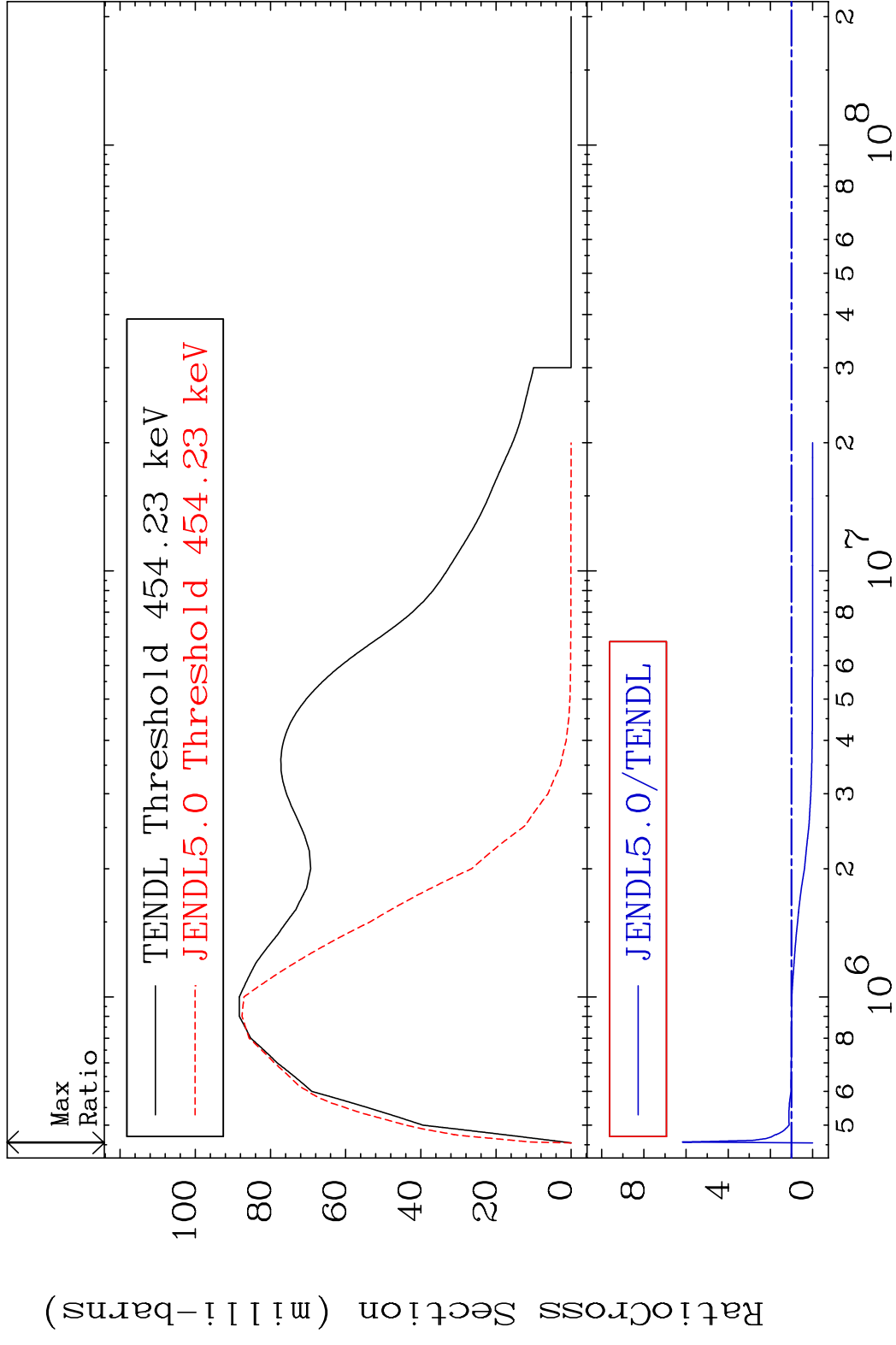
MAT 7828 MT= 62 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 65.54 %



MAT 7828 MT= 63 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 70.63 %

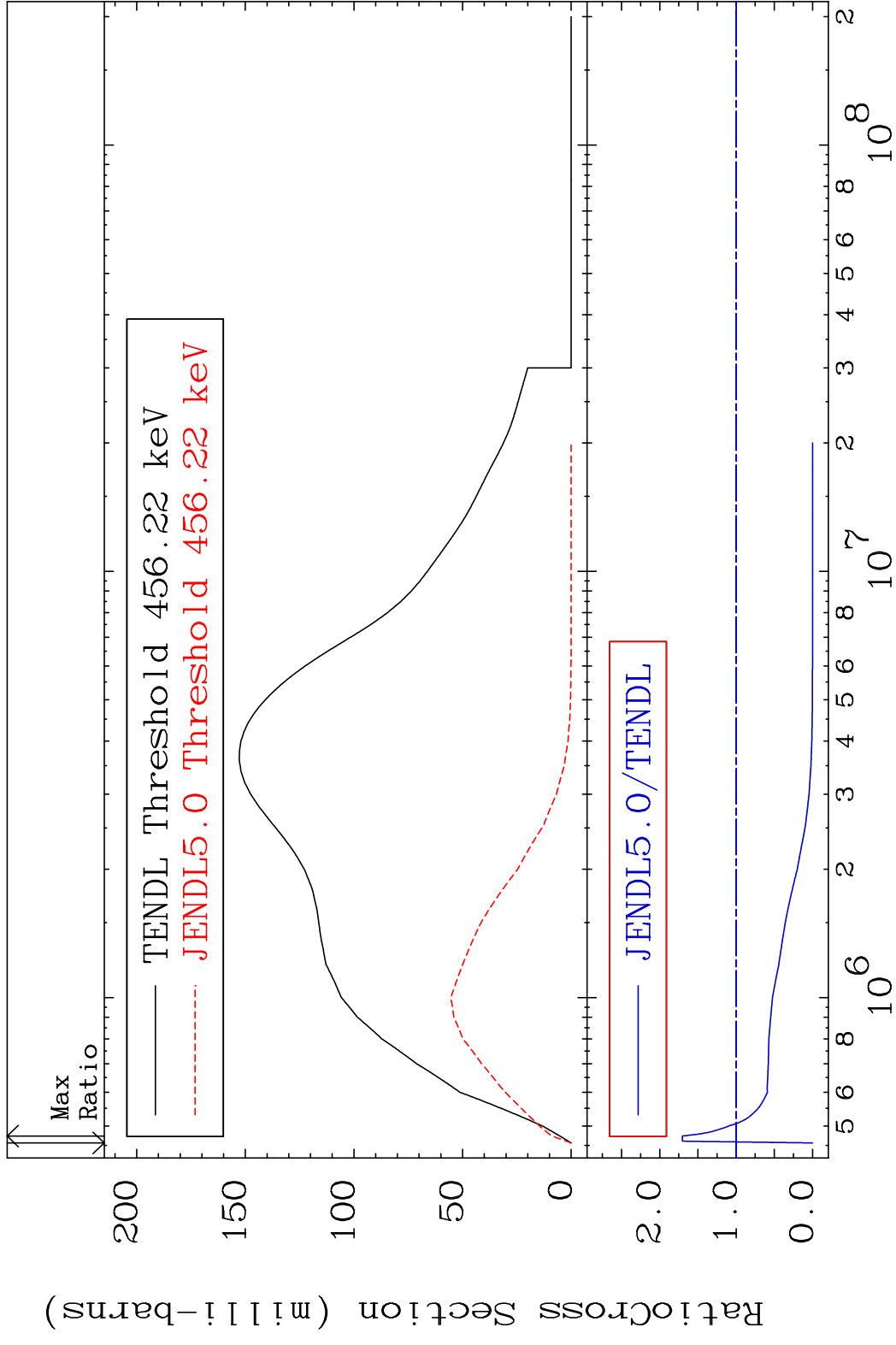


MAT 7828 MT= 64 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 517.6 %

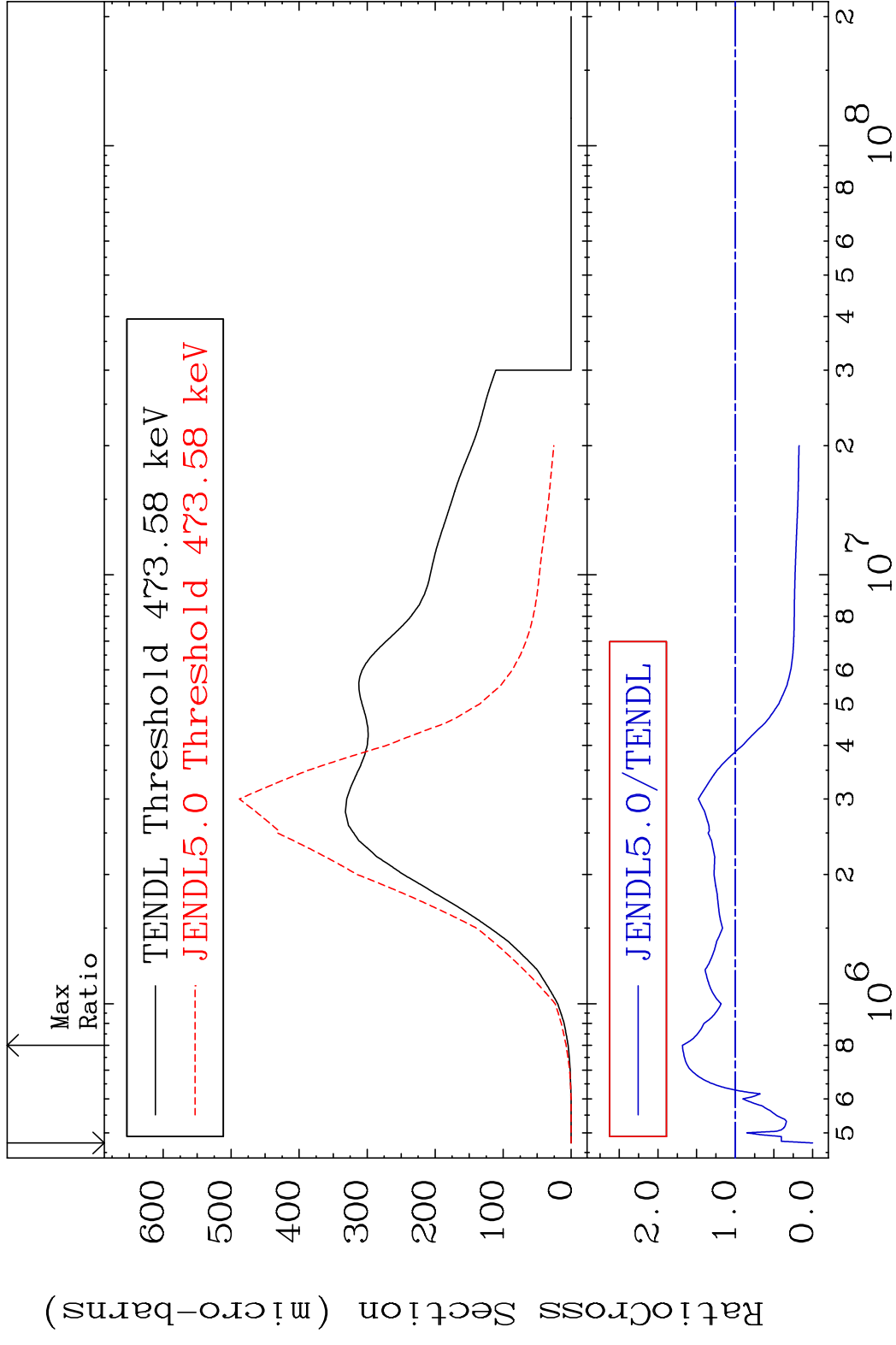




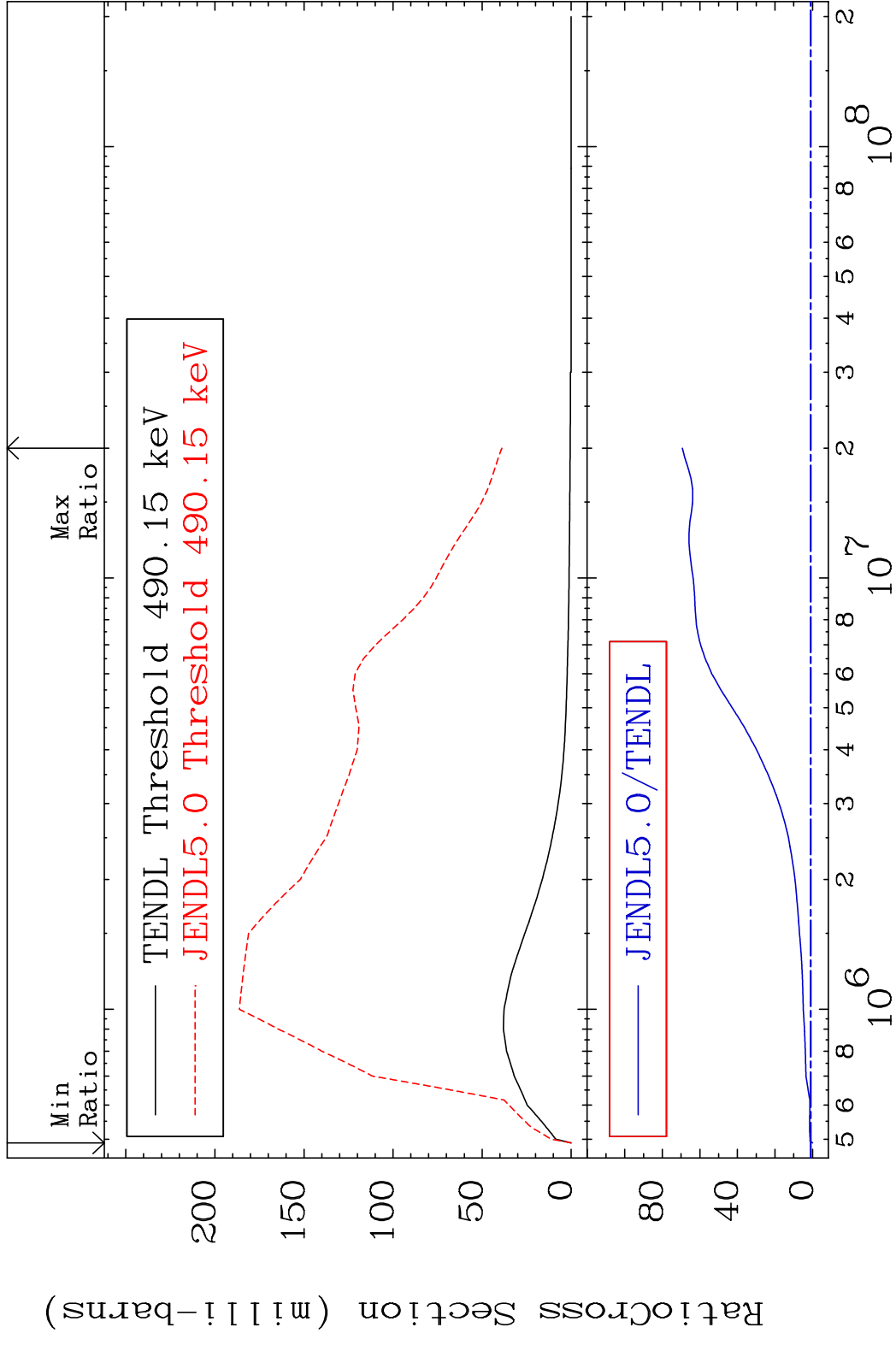
MAT 7828 MT= 65 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 70.38 %



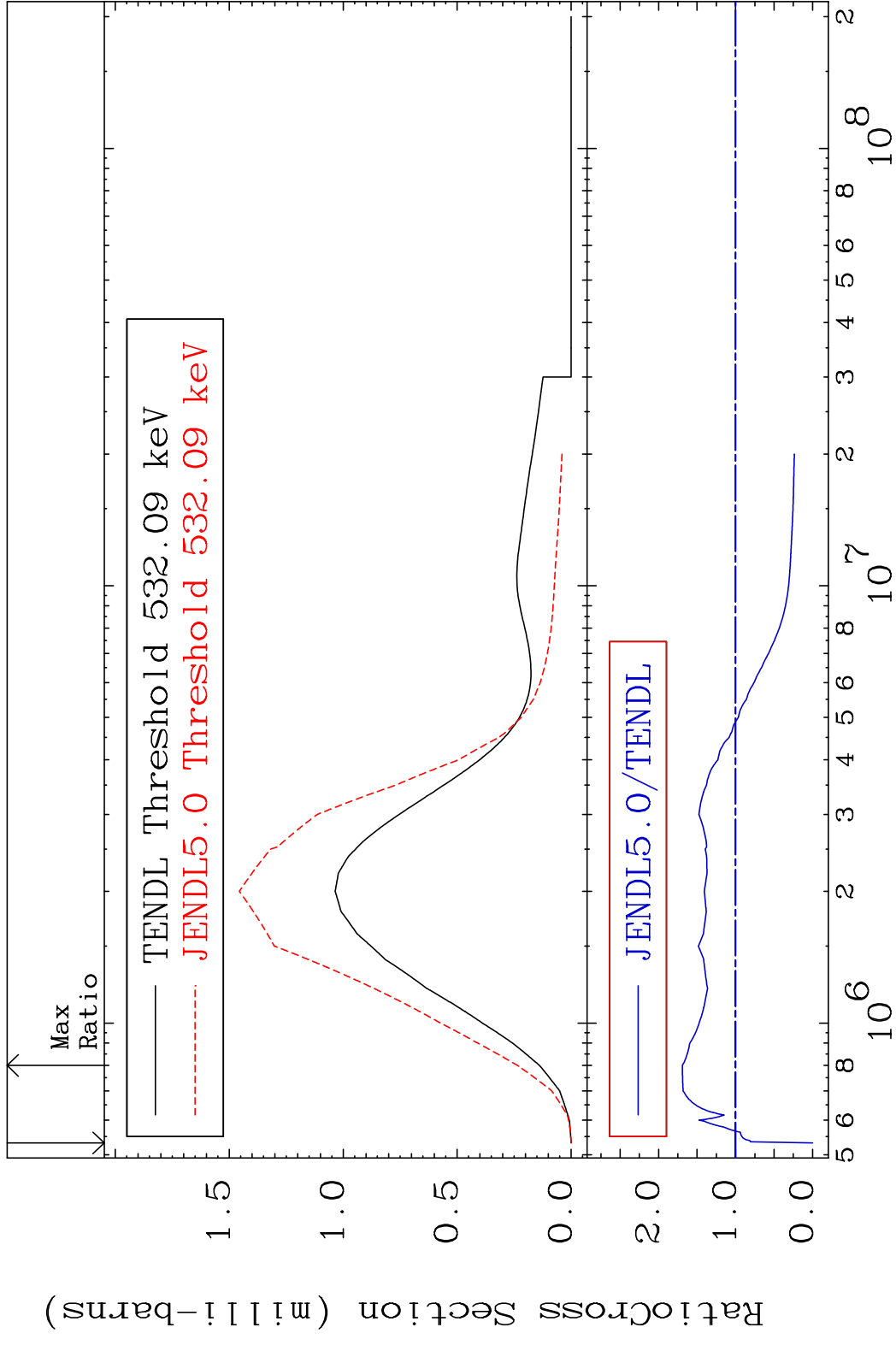
MAT 7828 MT= 66 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 68.45 %



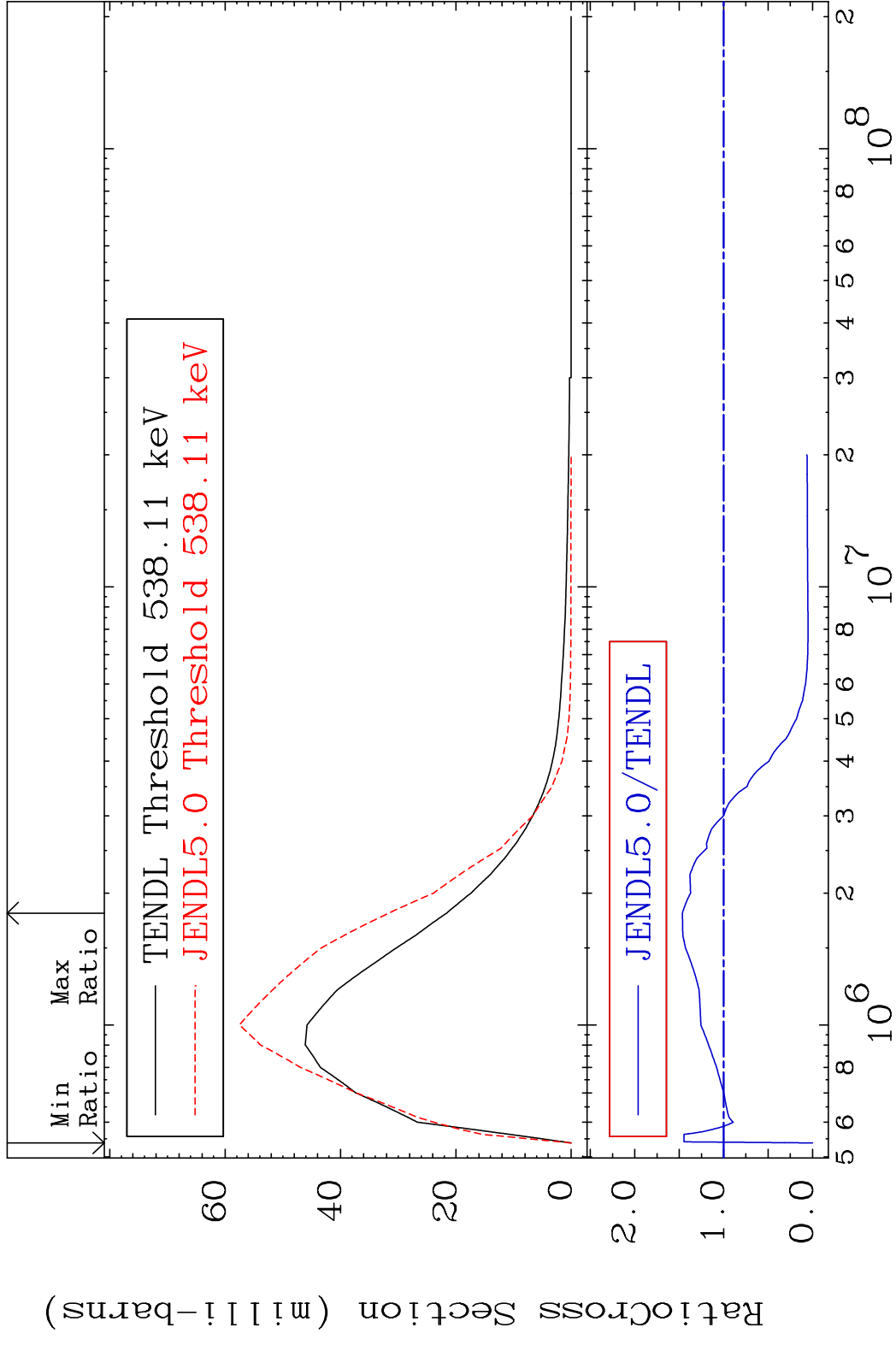
MAT 7828 MT= 67 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 6833. %



MAT 7828 MT= 68 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 69.15 %

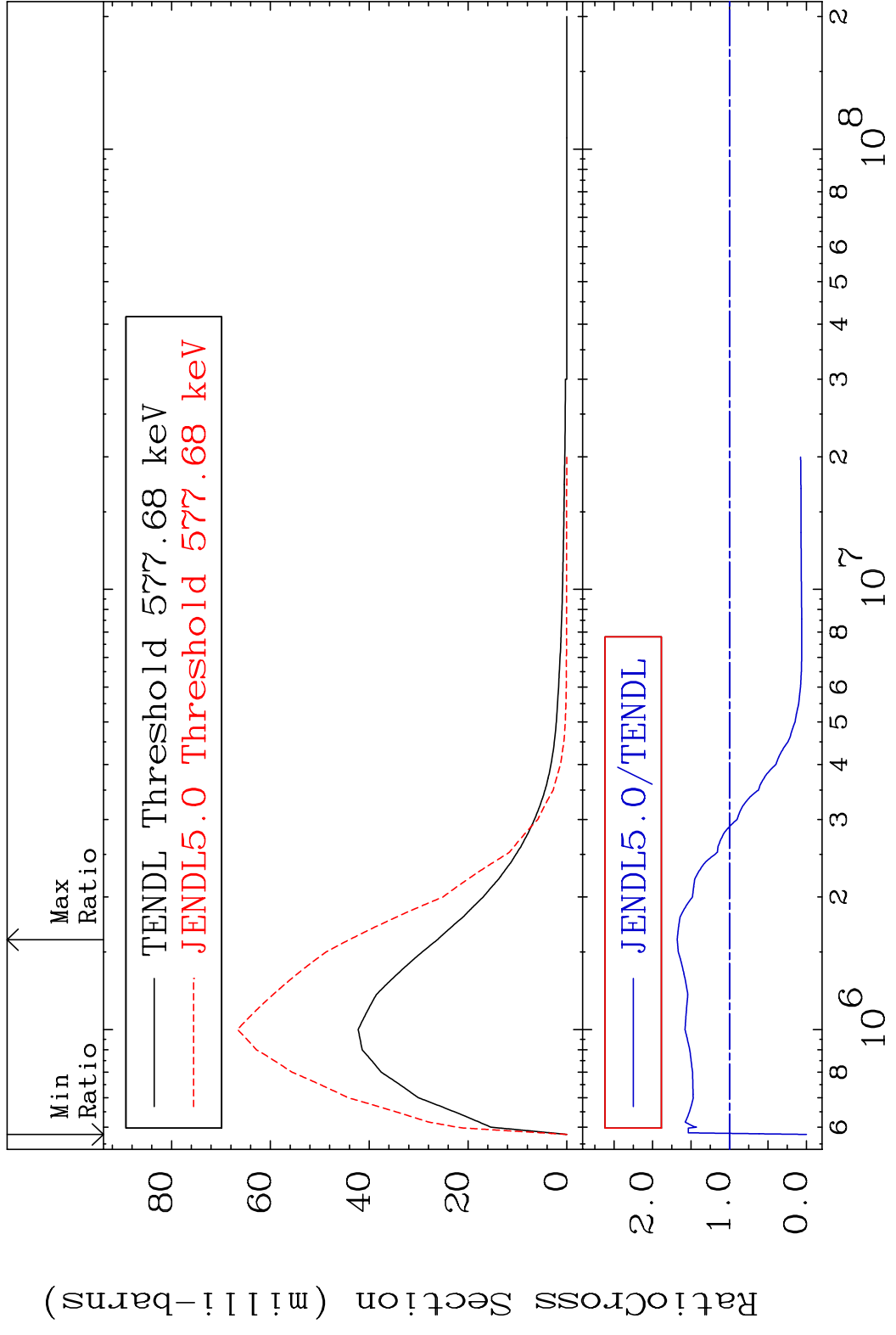


MAT 7828 MT= 69 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 46.46 %



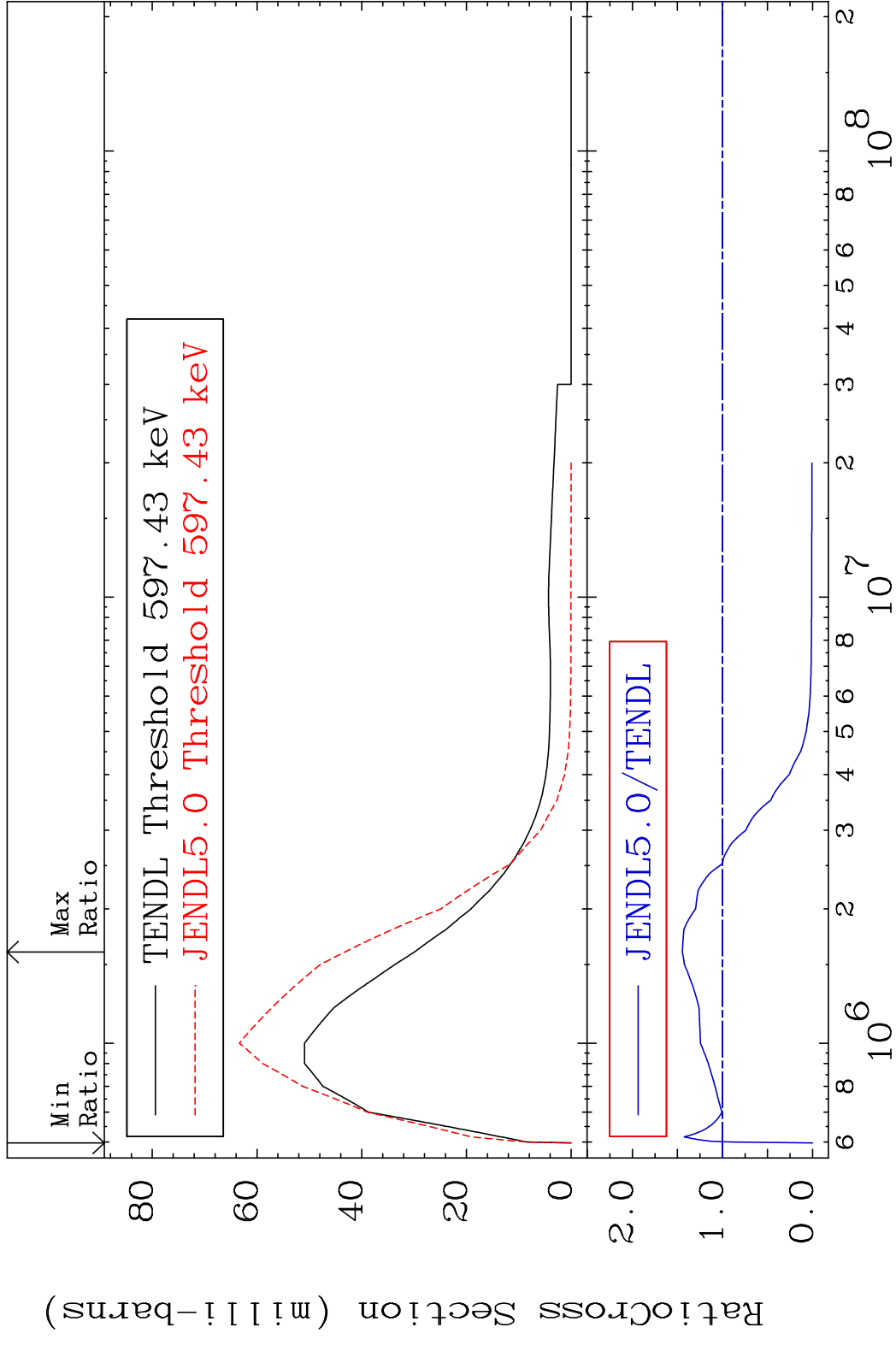


MAT 7828 MT= 71 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 68.00 %



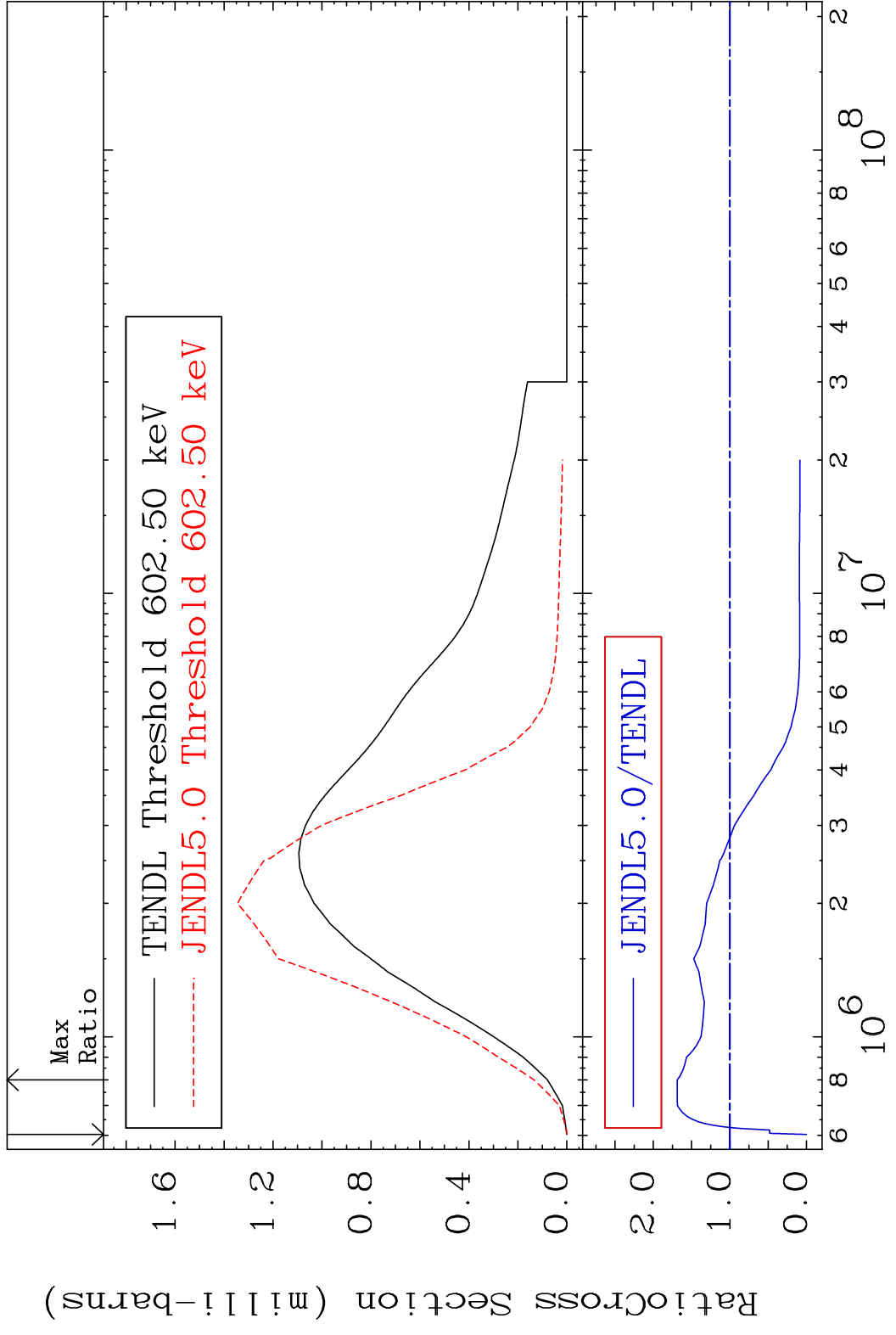
30 Incident Energy (eV) 78-Pt-191

MAT 7828 MT= 72 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 44.56 %

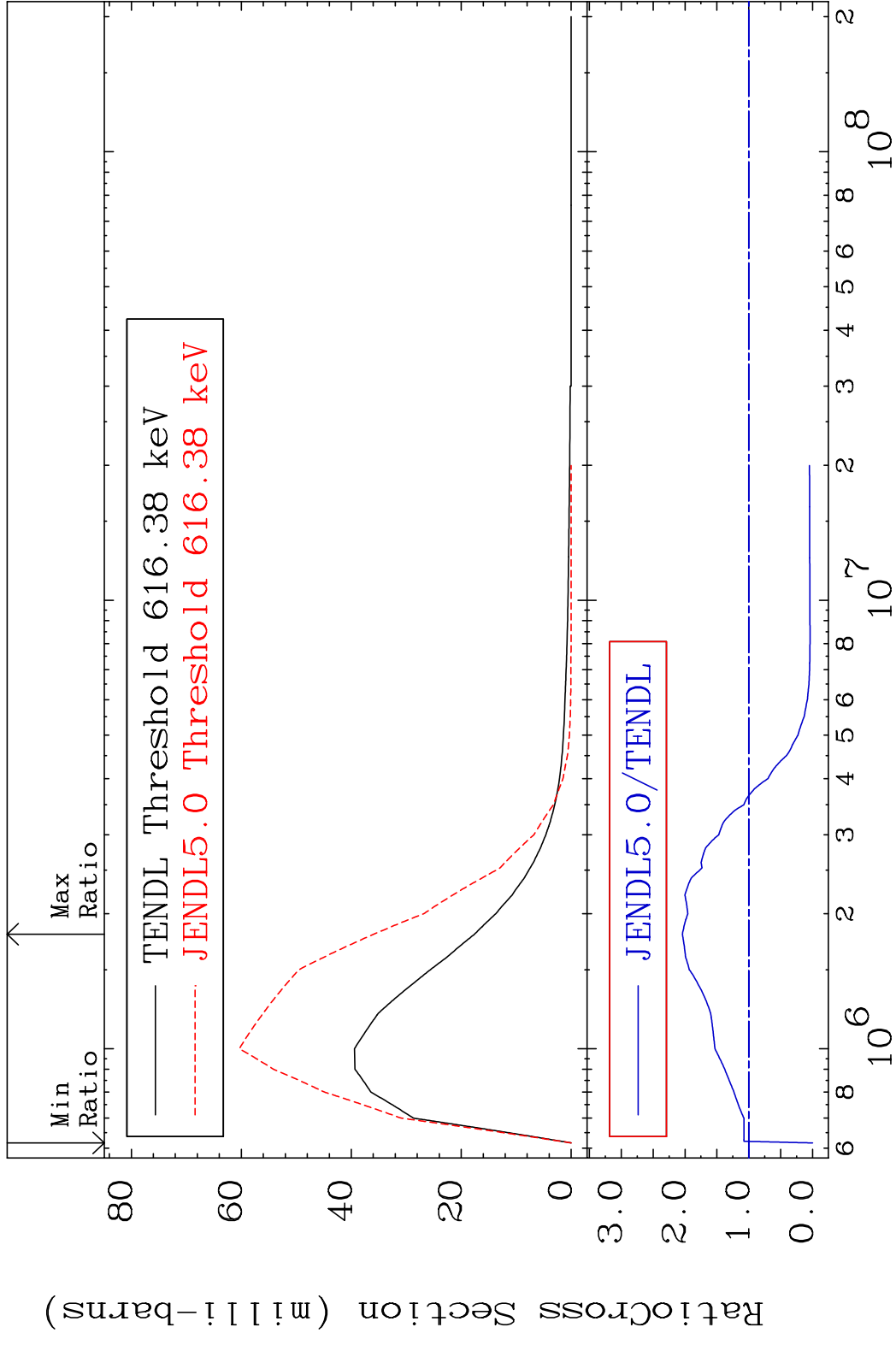




MAT 7828 MT= 73 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 68.78 %



MAT 7828 MT= 74 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 104.2 %

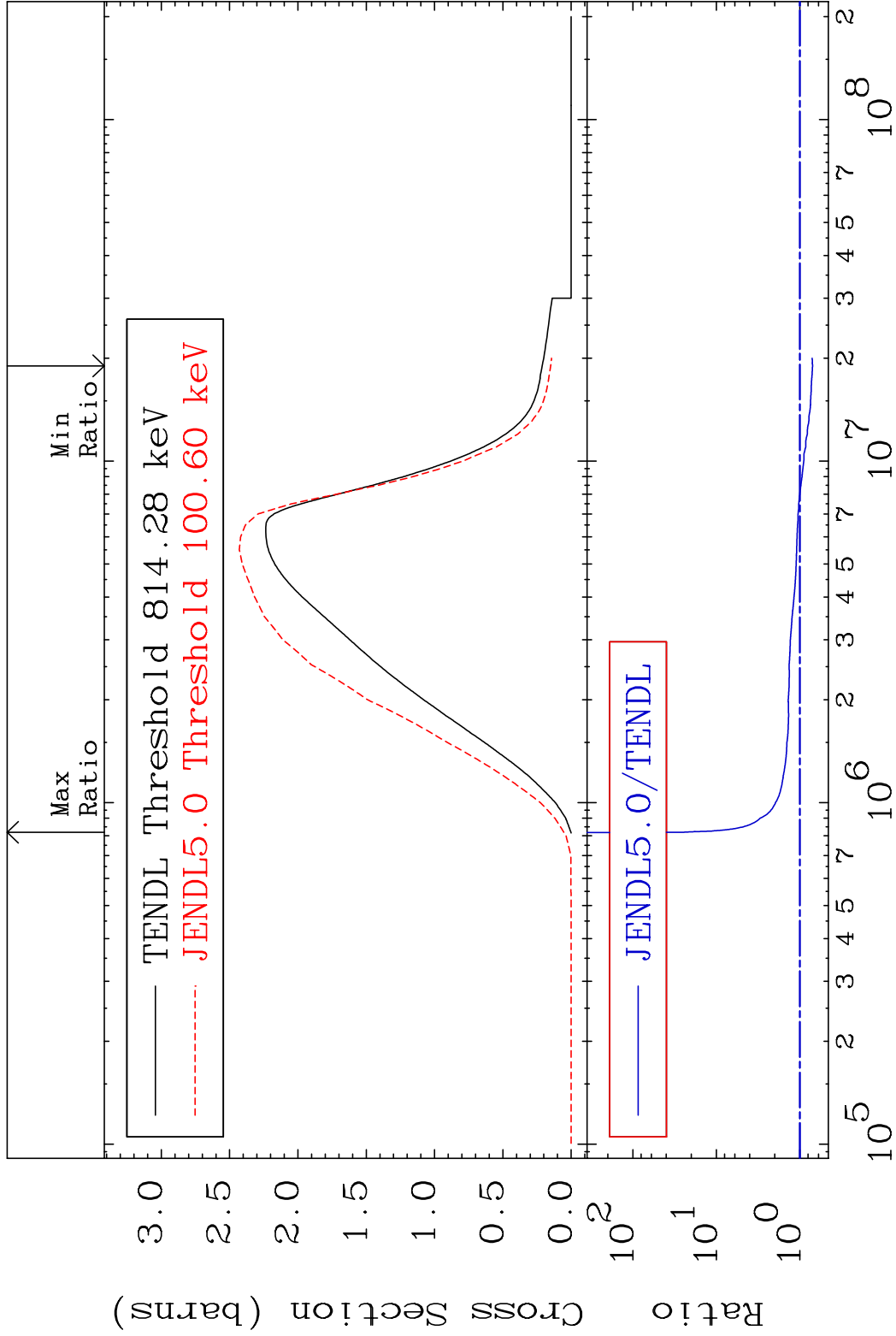


MAT 7828

(n, n') Continuum

78-Pt-191

Cross Section -29.40 To 2459. %



34

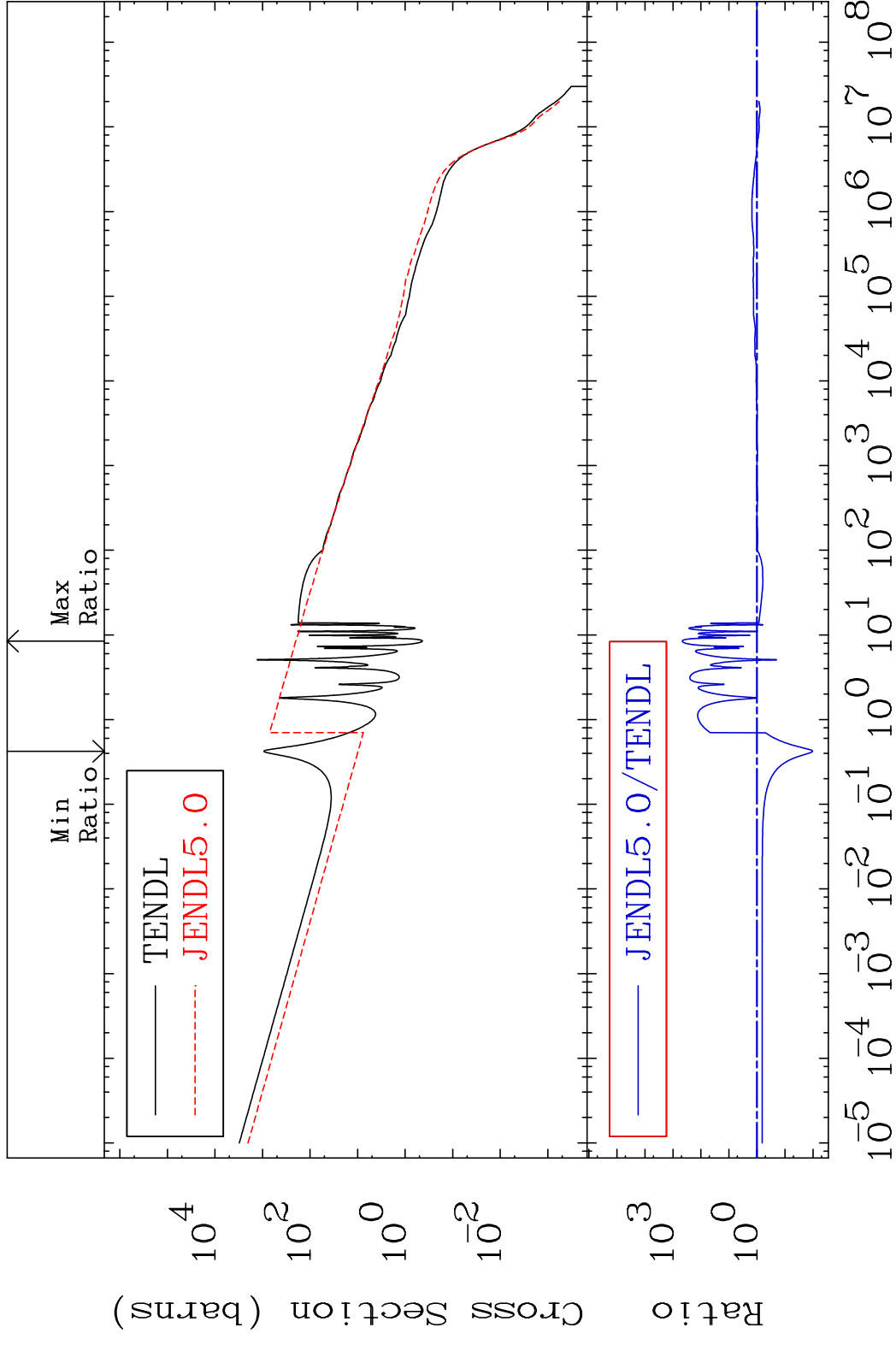
Incident Energy (eV)

78-Pt-191

MAT 7828

78-Pt-191

(n,  $\gamma$ )  
Cross Section -98.96 To 9999. %

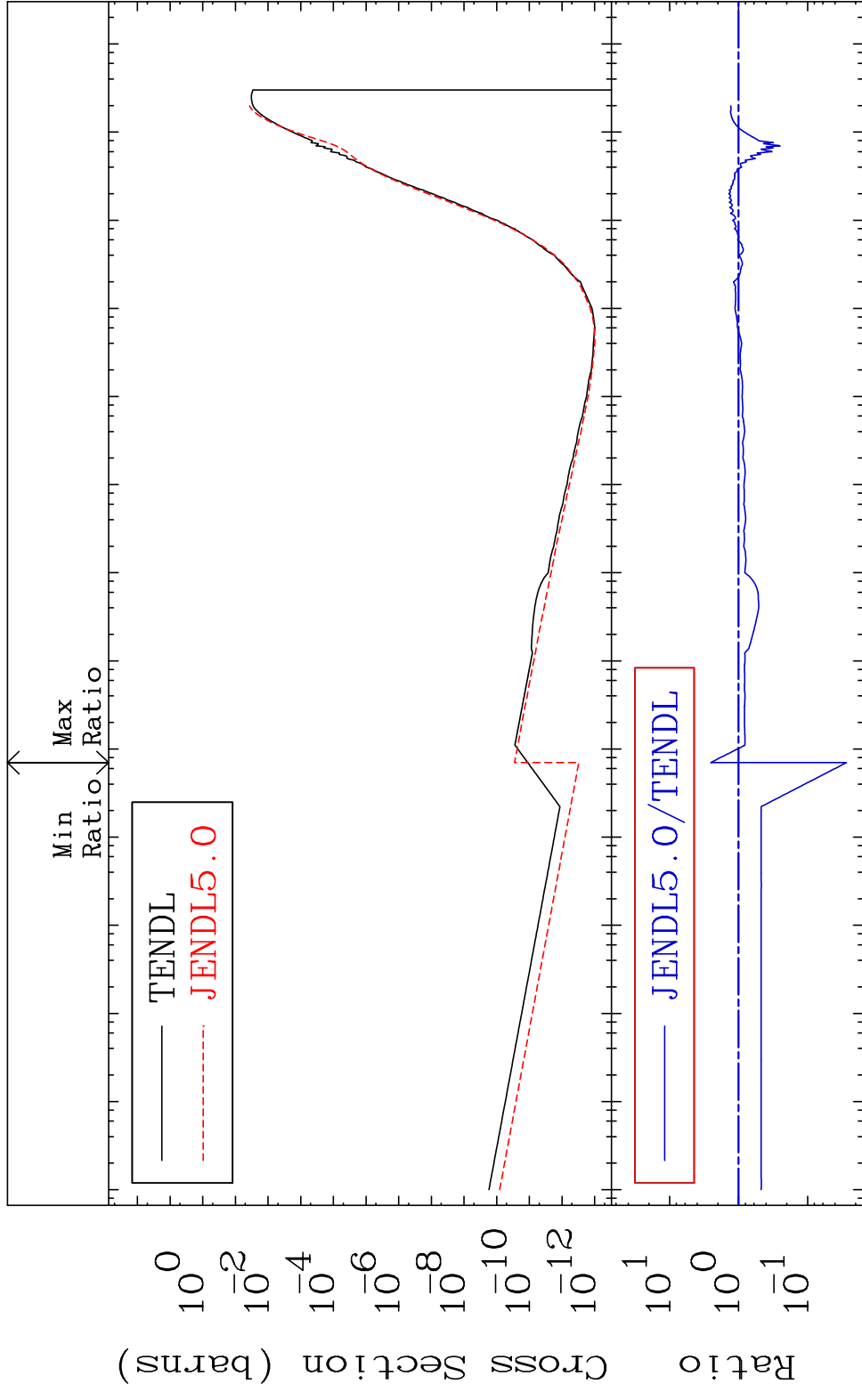


MAT 7828

(n, p)

78-Pt-191

Cross Section -97.26 To 154.3 %



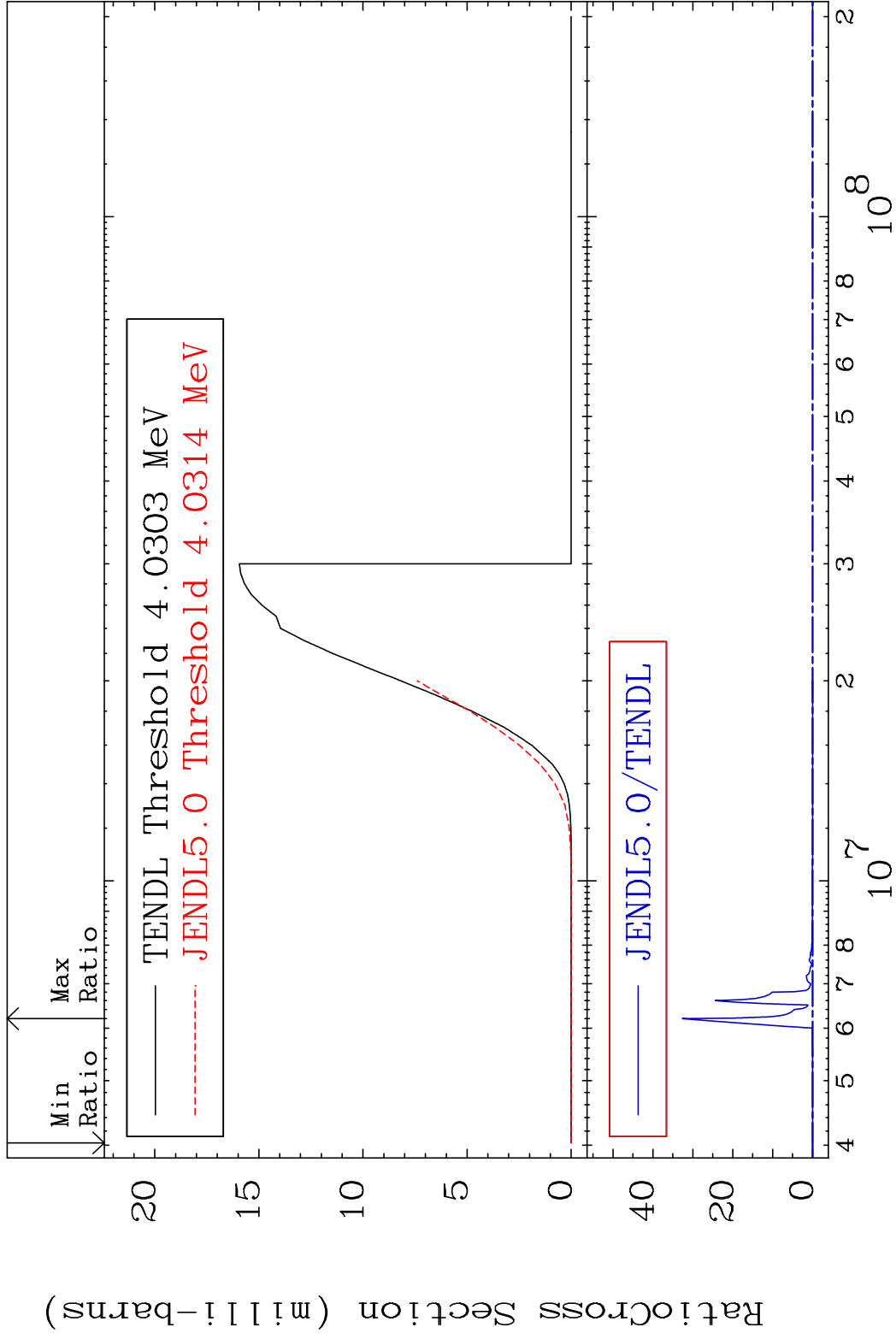
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 7828

(n,d)

78-Pt-191

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

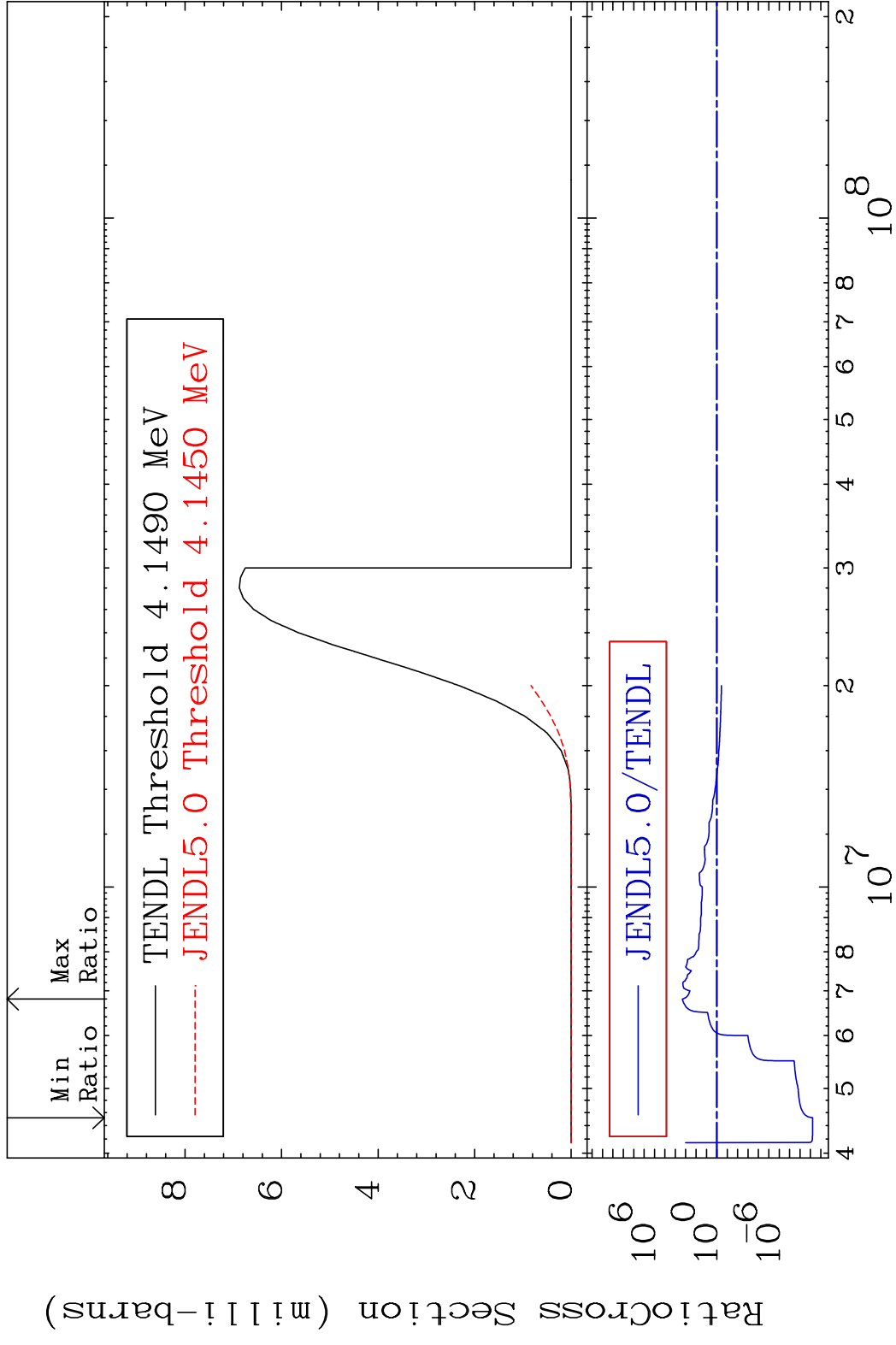
78-Pt-191

MAT 7828

(n, t)

78-Pt-191

Cross Section -100.0 To 9999. %

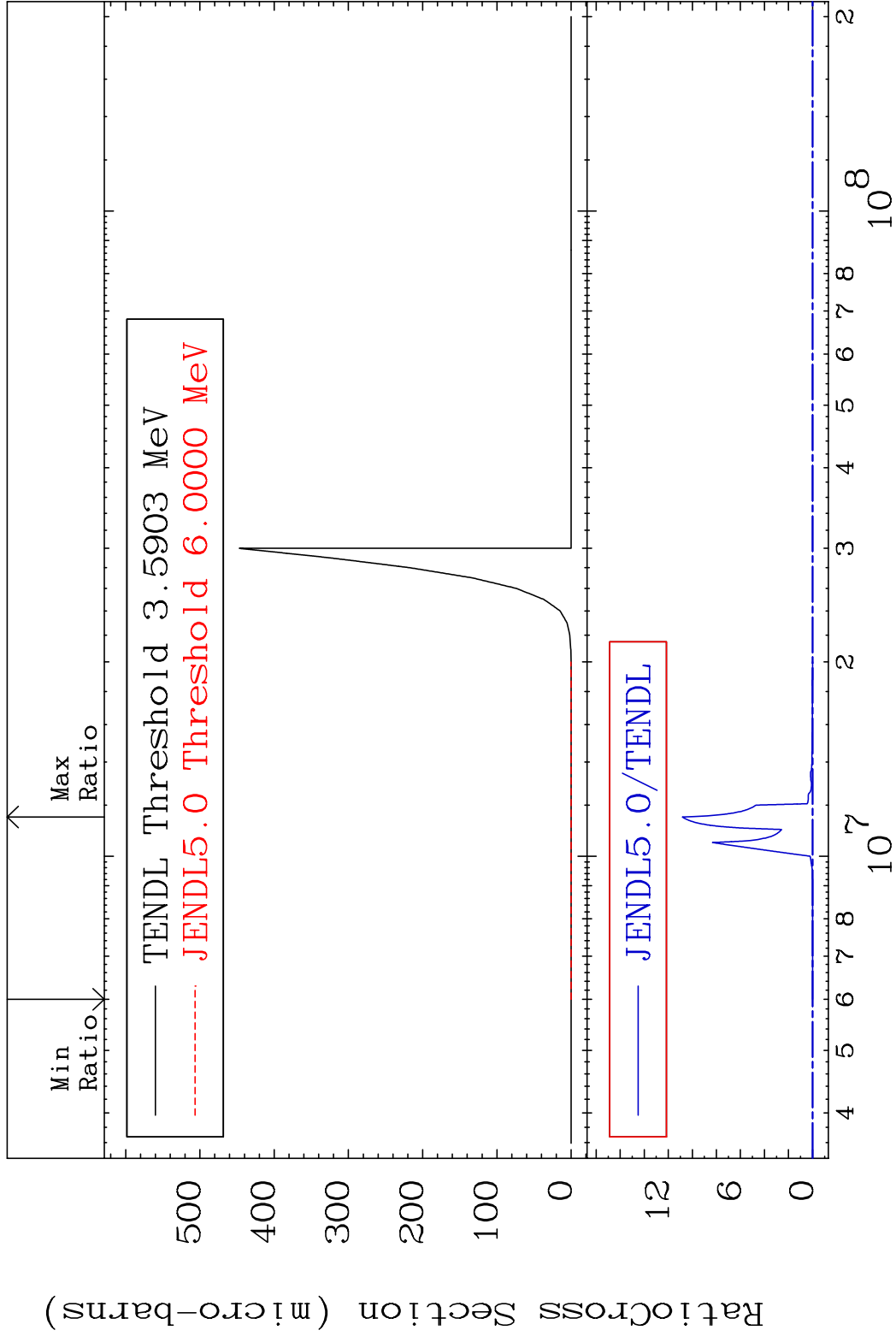


MAT 7828

(n, He-3)

78-Pt-191

Cross Section -100.0 To 9999. %



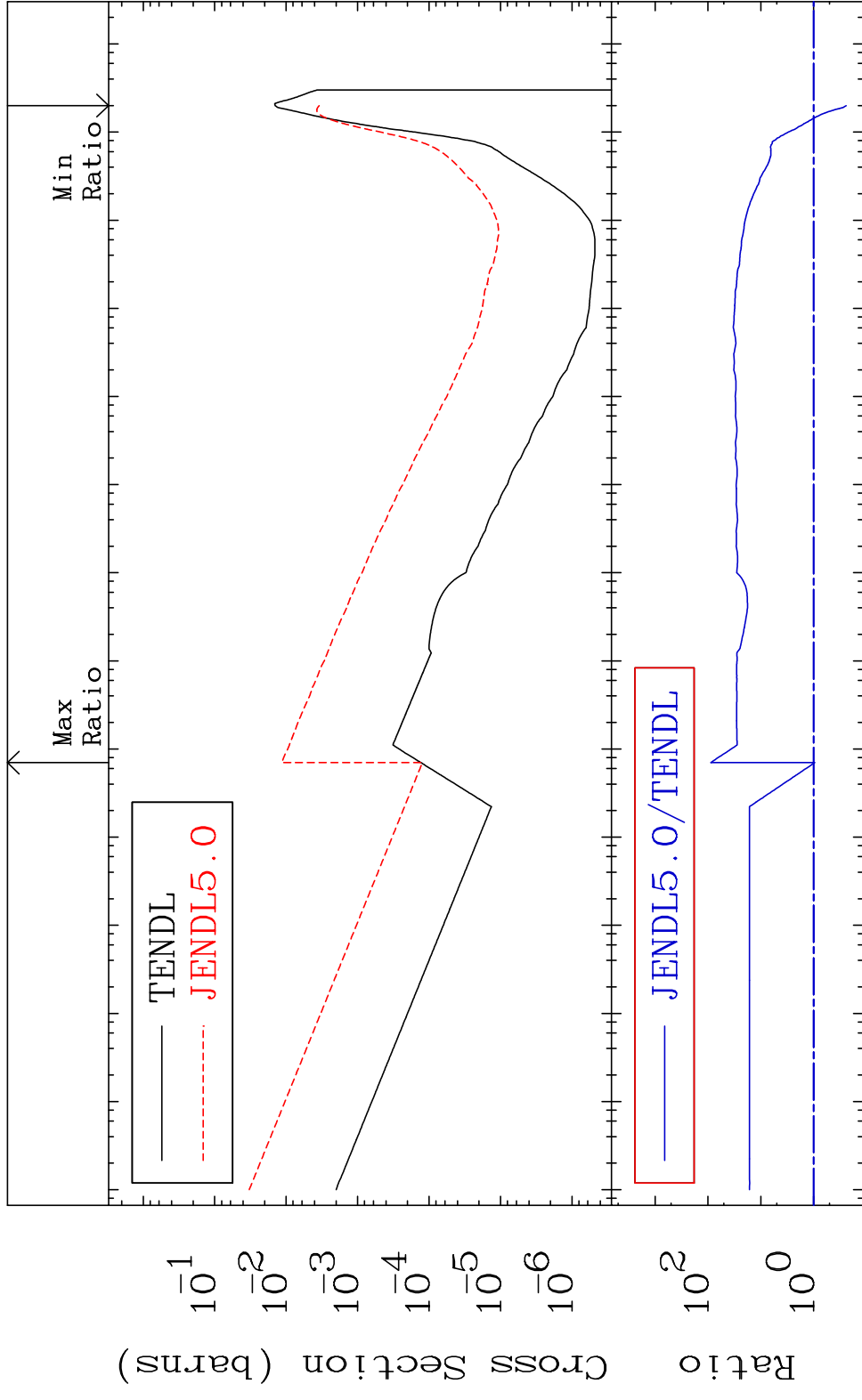


MAT 7828

(n,  $\alpha$ )

78-Pt-191

Cross Section -75.91 To 8759. %

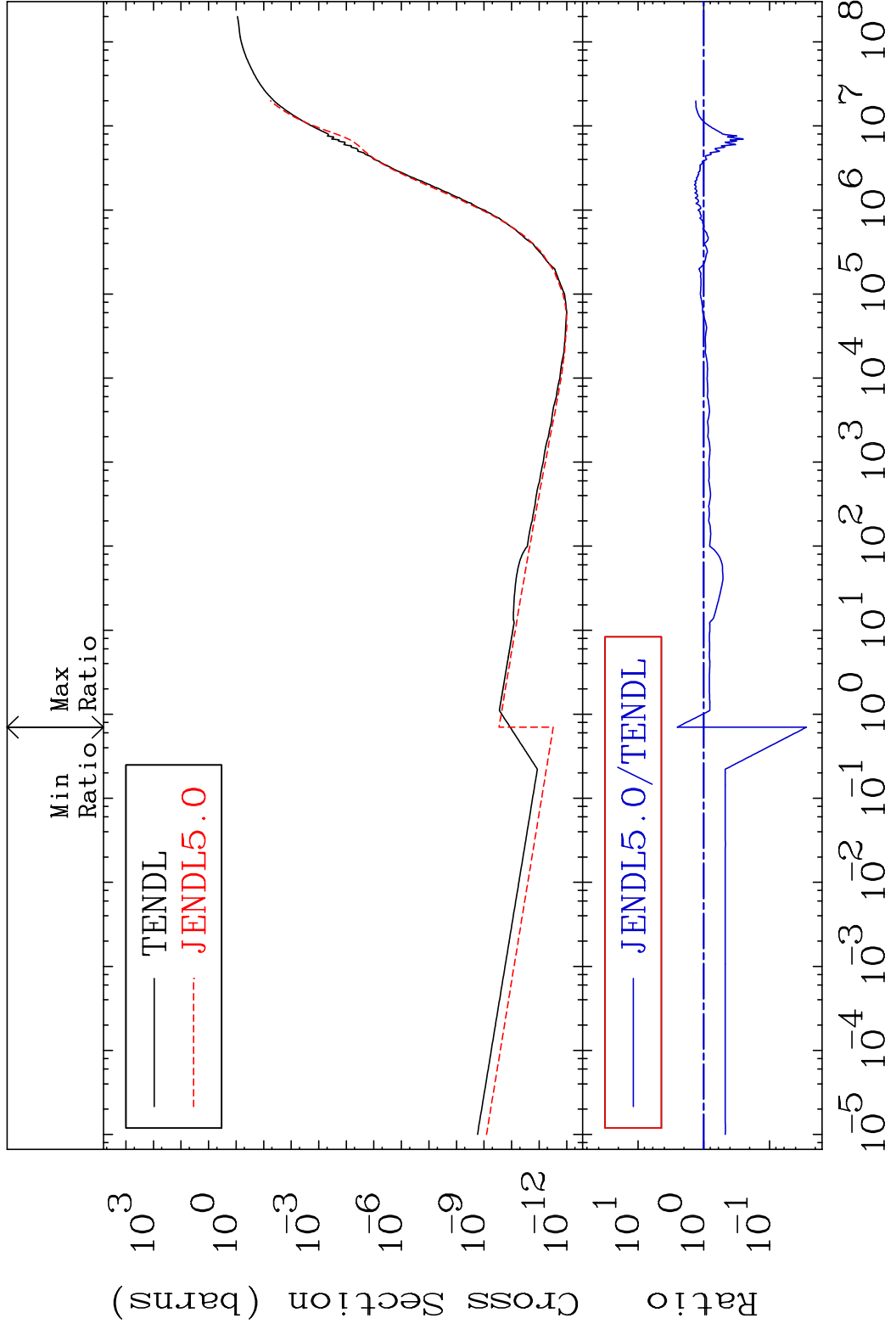


Ratio  
10<sup>2</sup>  
10<sup>0</sup>  
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

40

Incident Energy (eV)

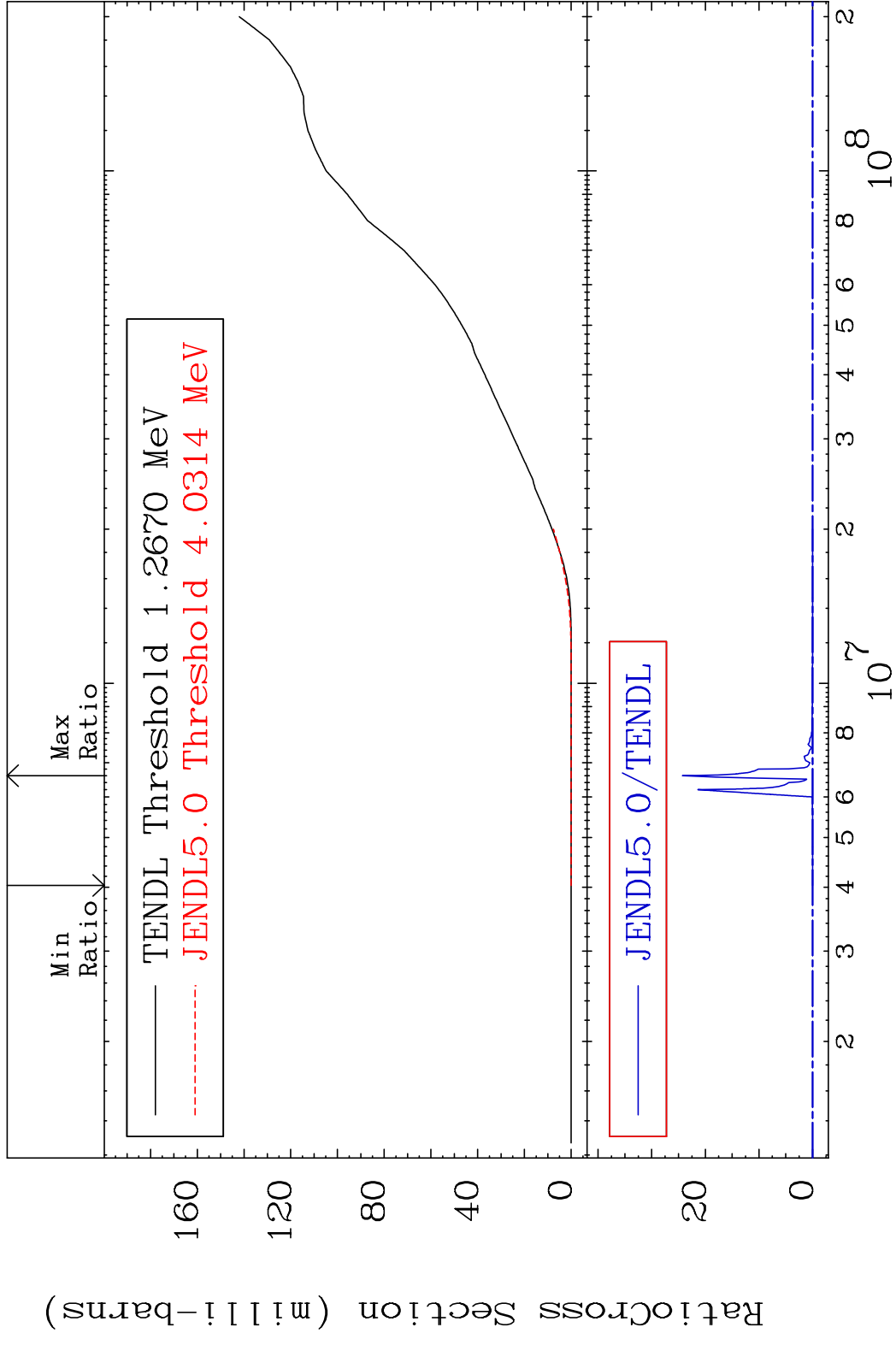
78-Pt-191



MAT 7828

Deuterium Production 78-Pt-191

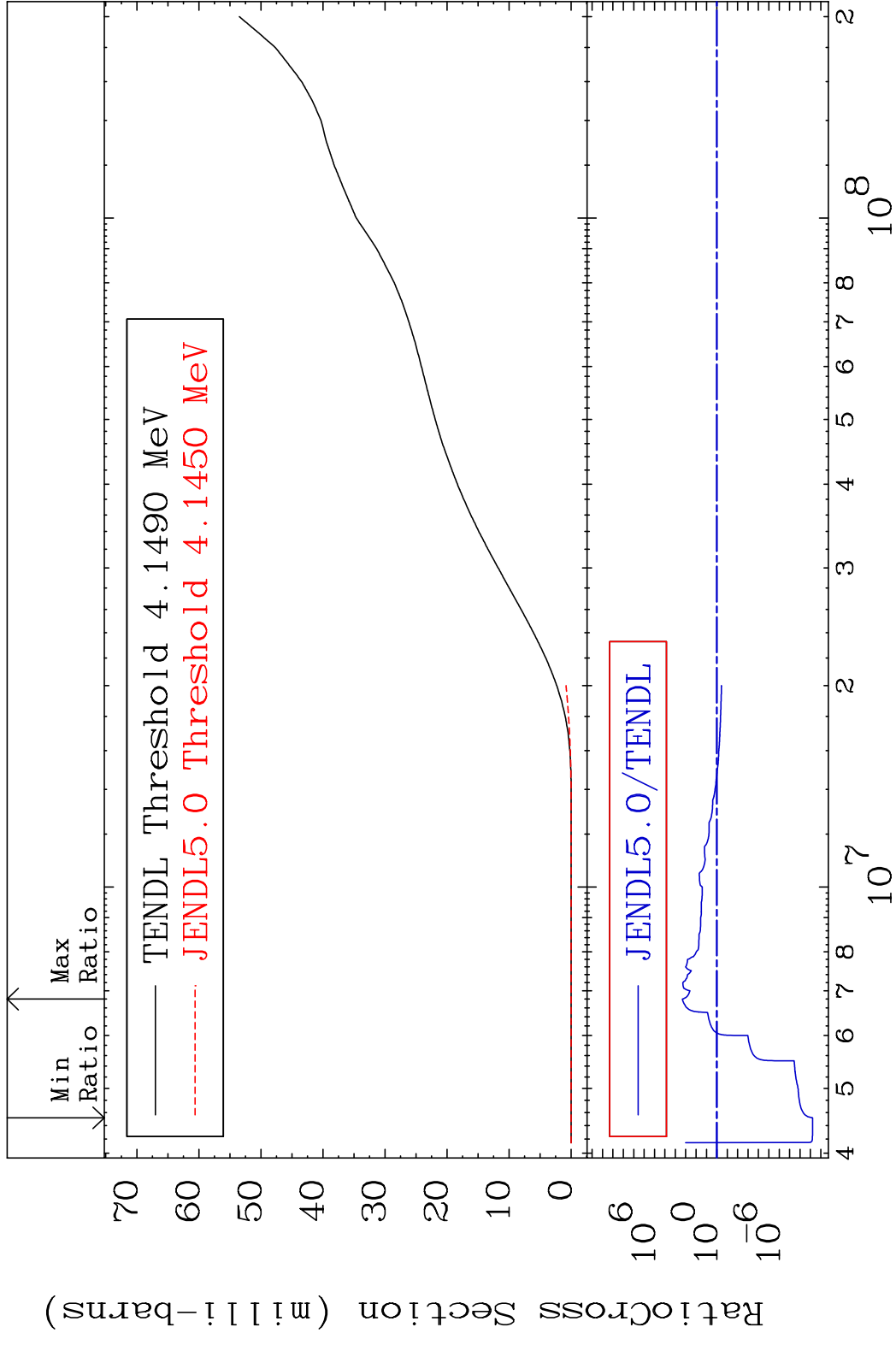
Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

78-Pt-191

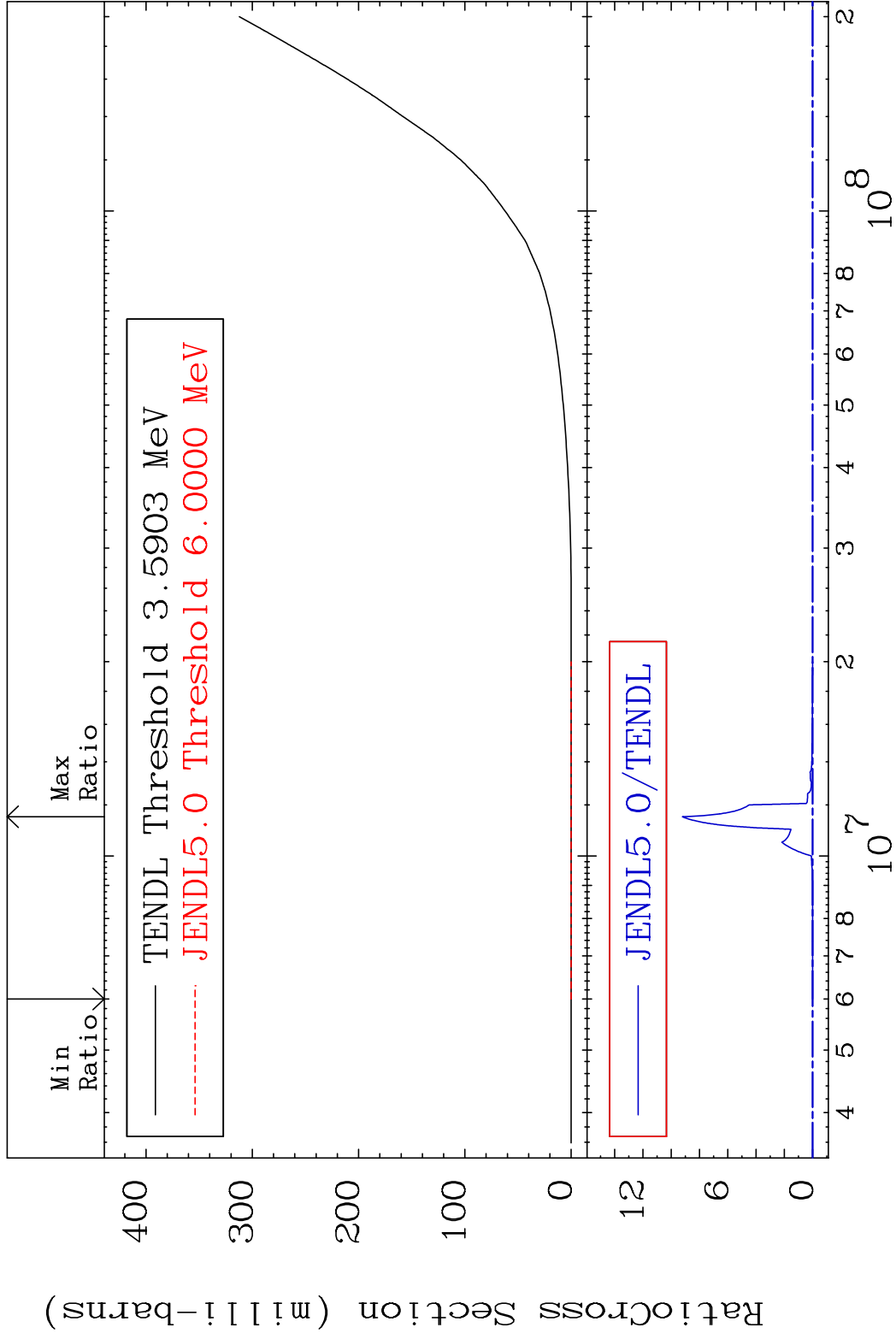


MAT 7828

He-3 Production

78-Pt-191

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

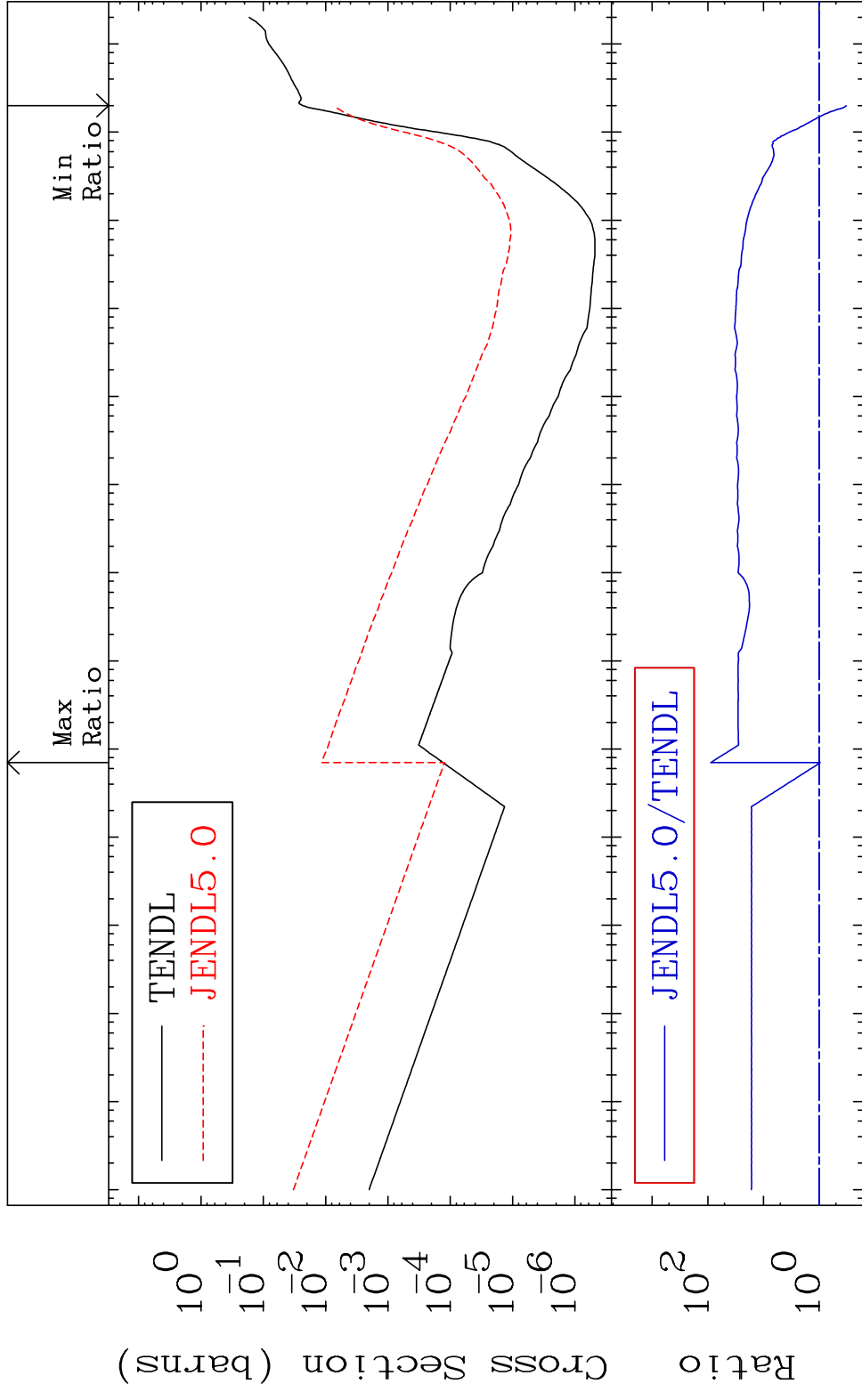
78-Pt-191

MAT 7828

He-4 Production

78-Pt-191

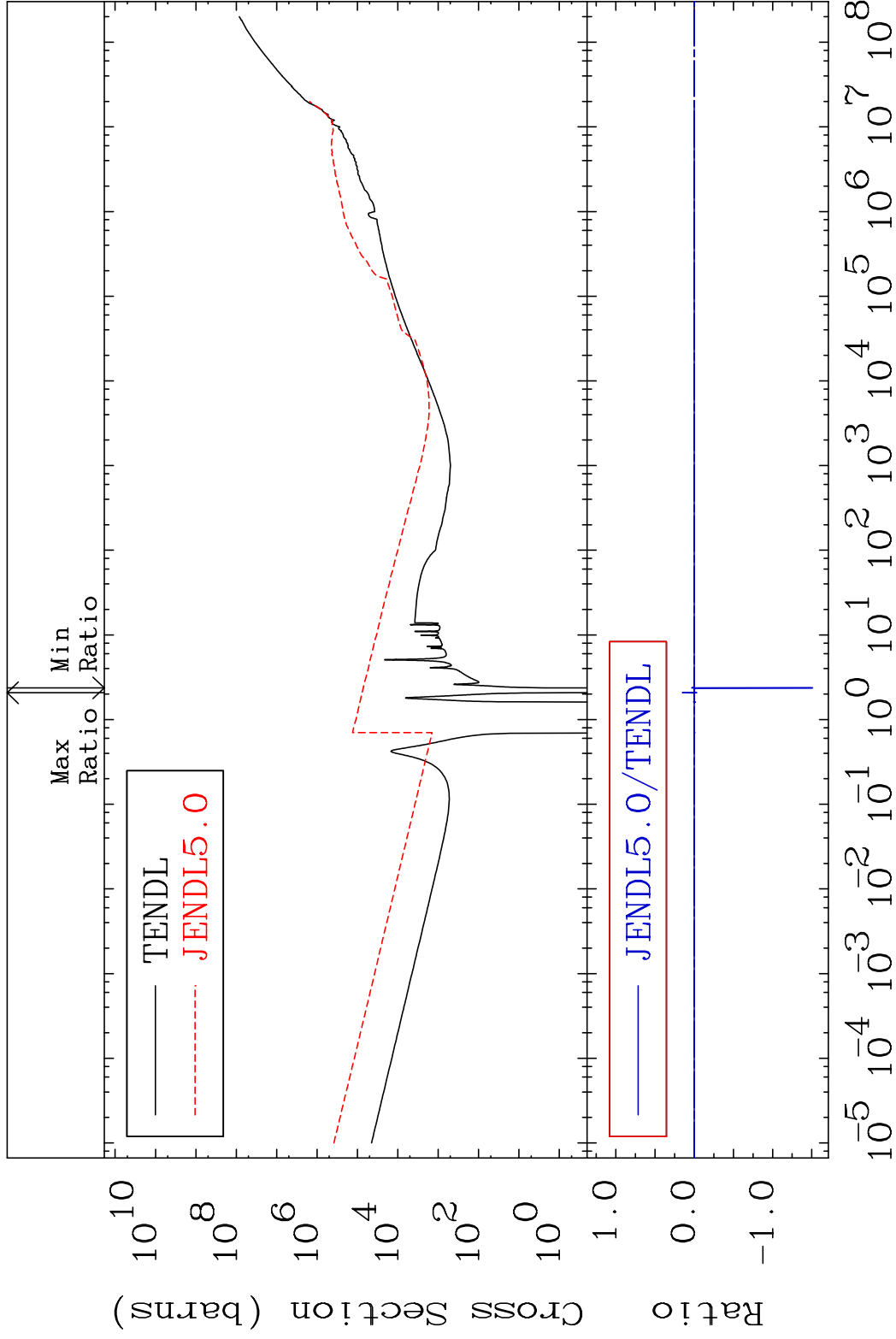
Cross Section -67.50 To 8759. %



MAT 7828

Kerma total (eV-barns) 78-Pt-191

Cross Section -9999. To 9999. %



46

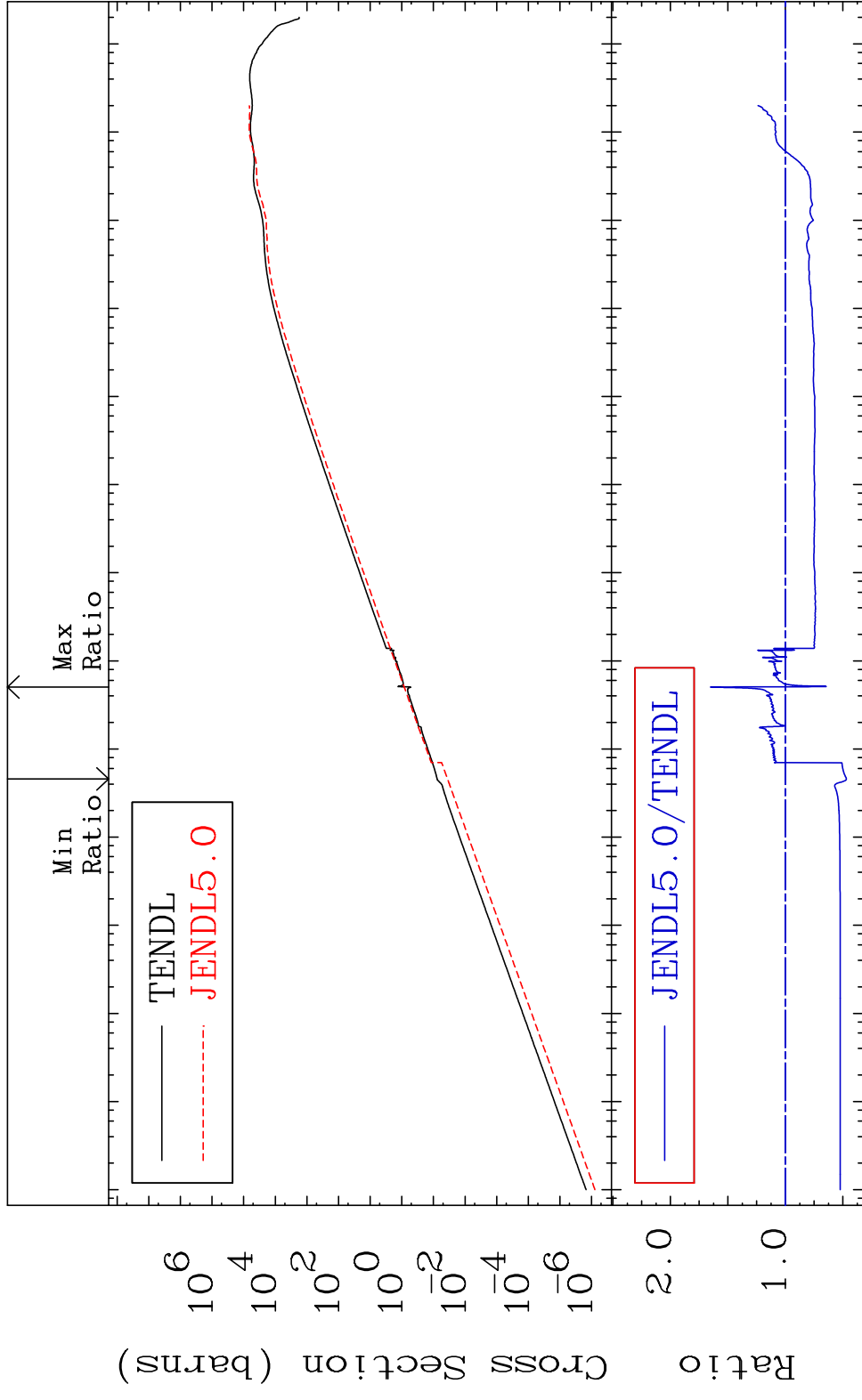
Incident Energy (eV)

78-Pt-191

MAT 7828

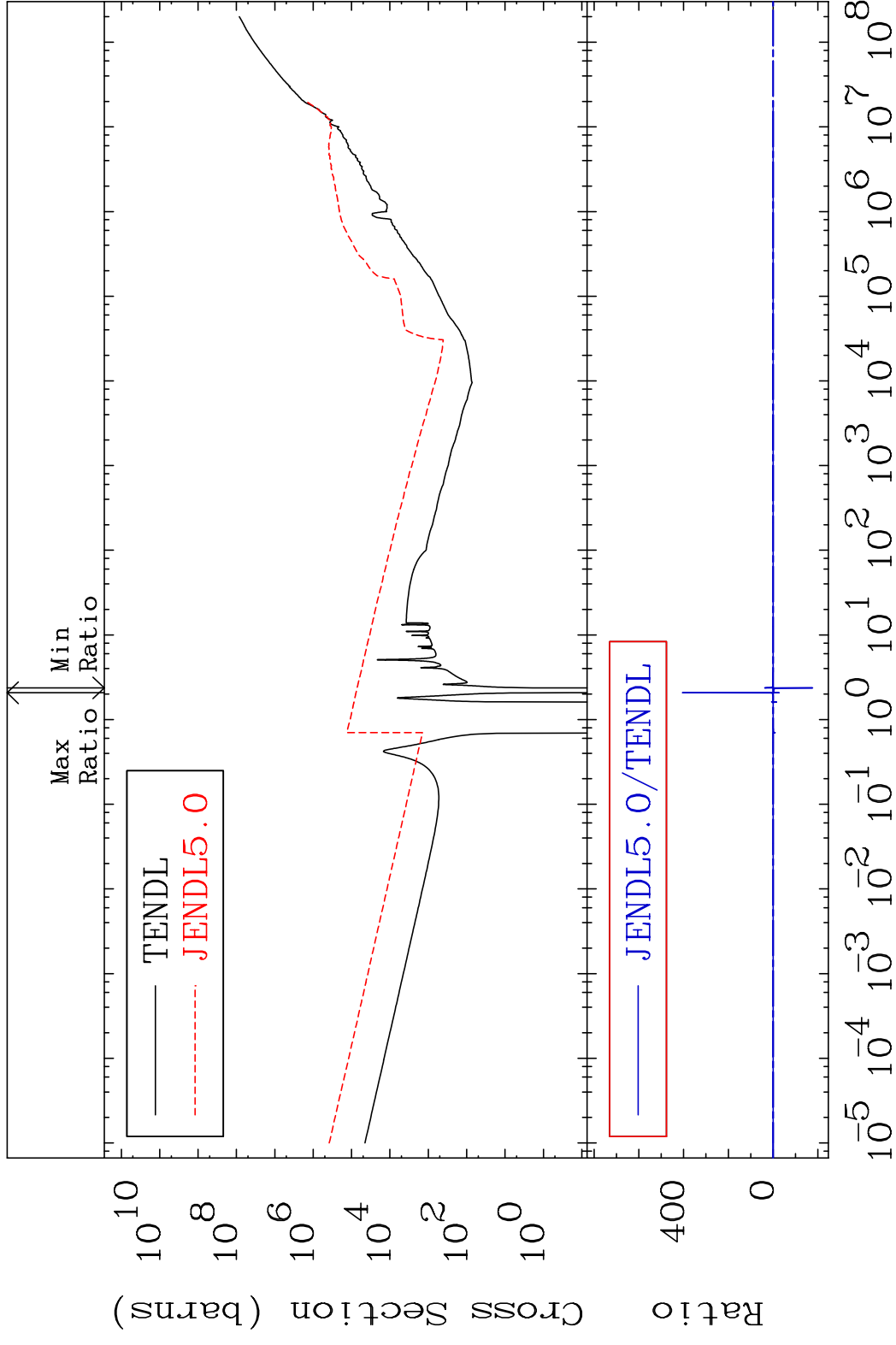
Kerma elastic Cross Section -53.01 To 64.96 %

78-Pt-191

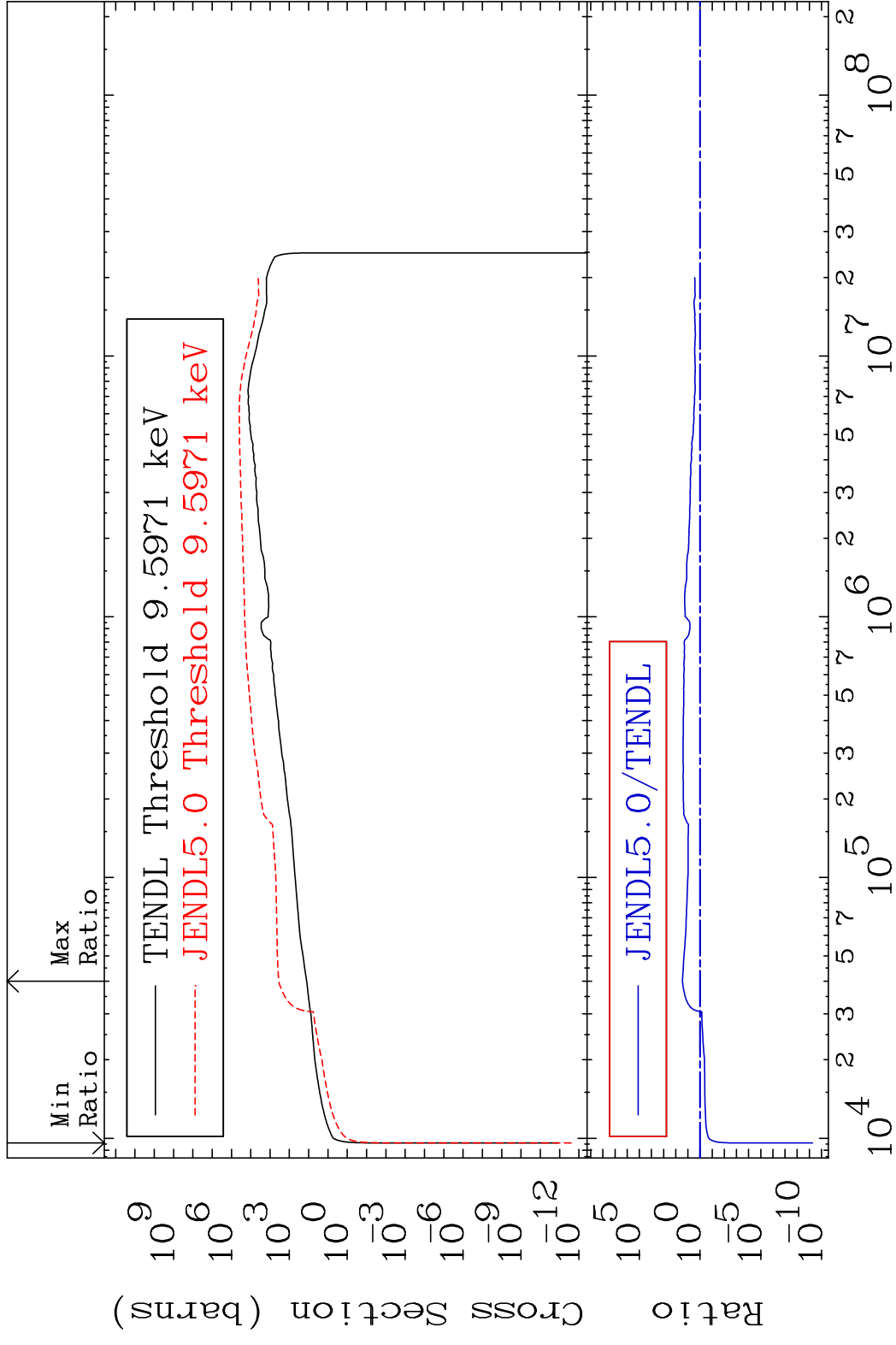




MAT 7828 Kerma non-elastic (all but mt2) 78-Pt-191  
 Cross Section -9999. To 9999. %

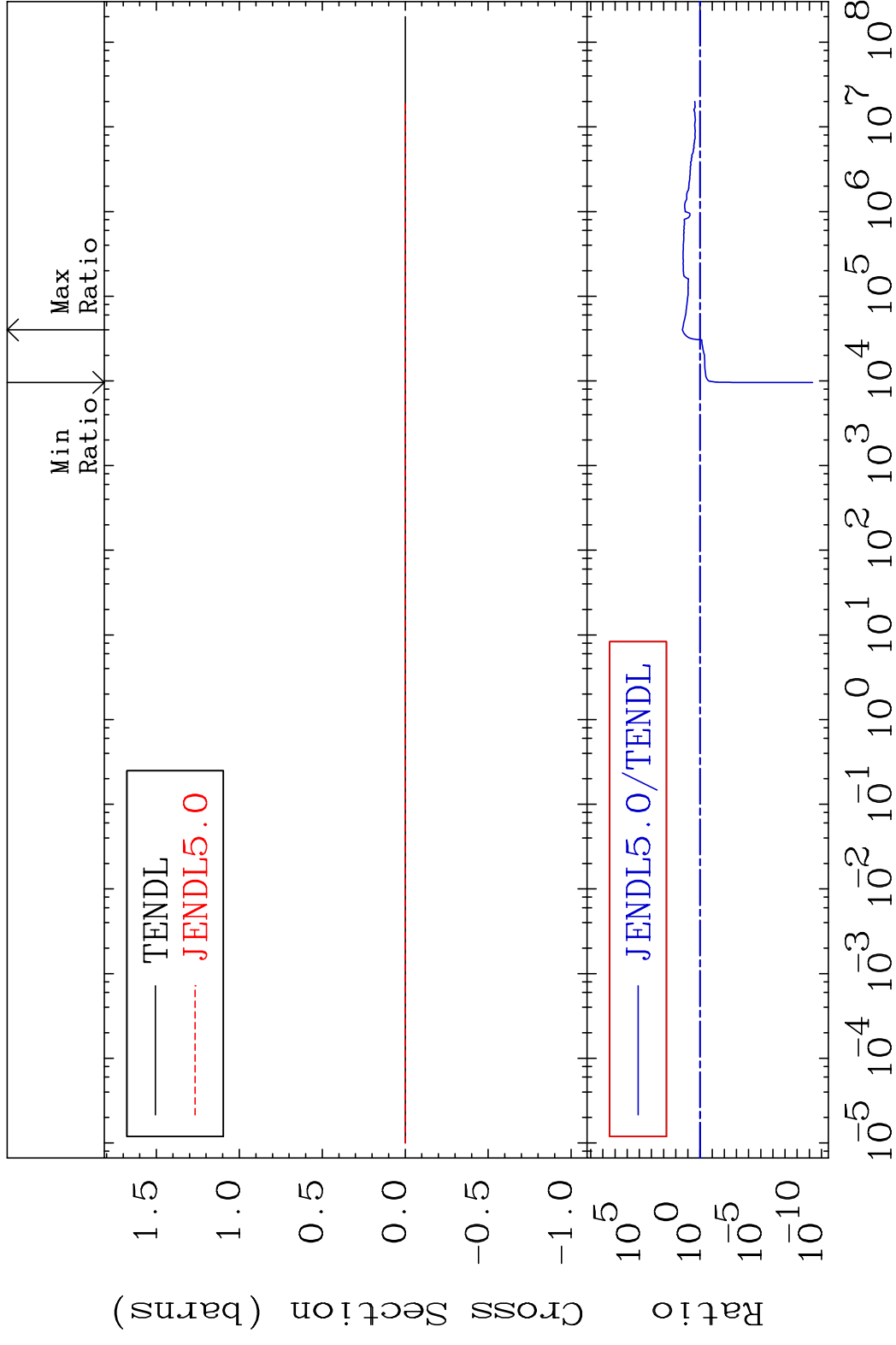


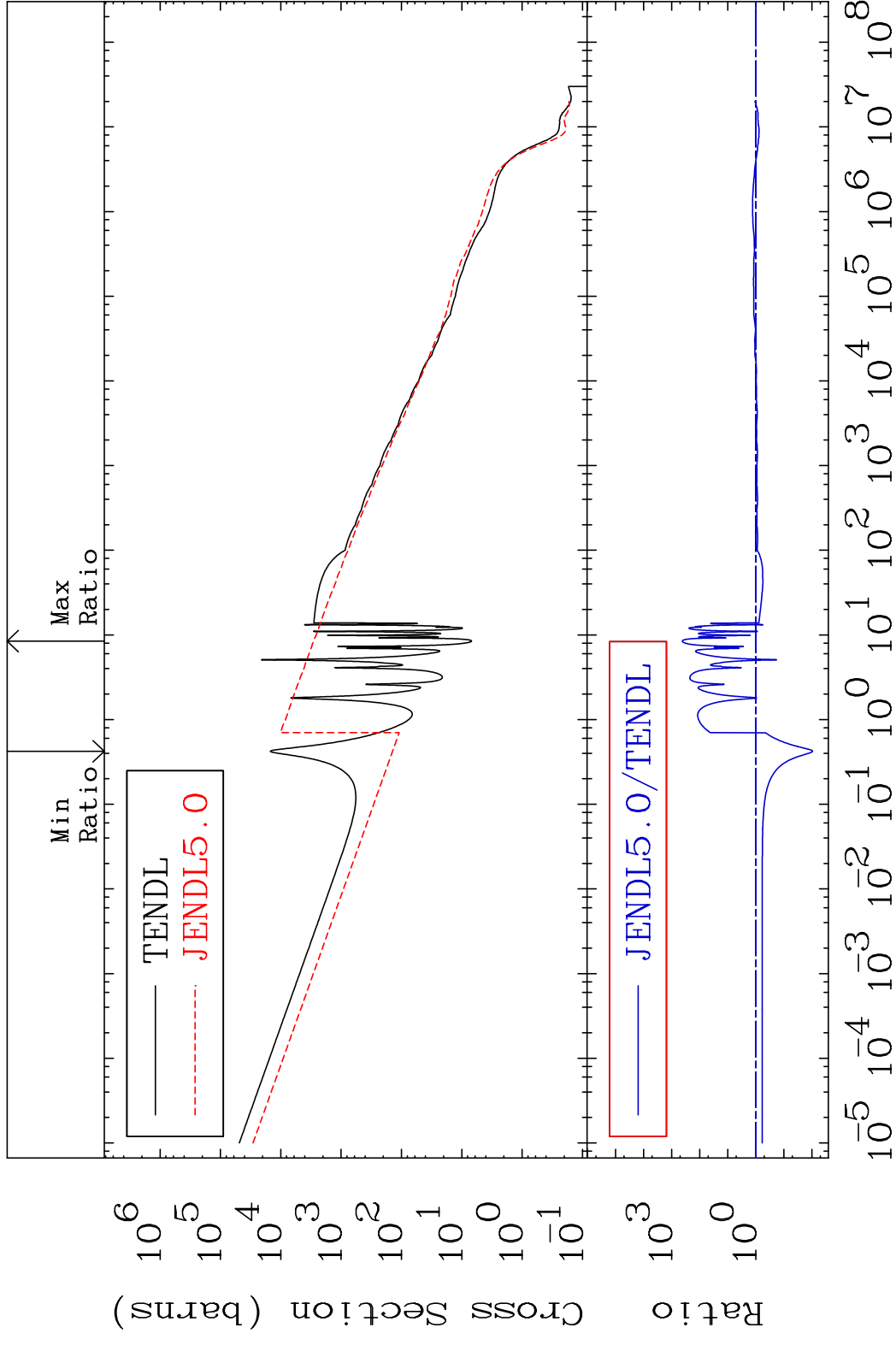
MAT 7828 Kerma inelastic (mt51-91) 78-Pt-191  
 Cross Section -100.0 To 2756. %



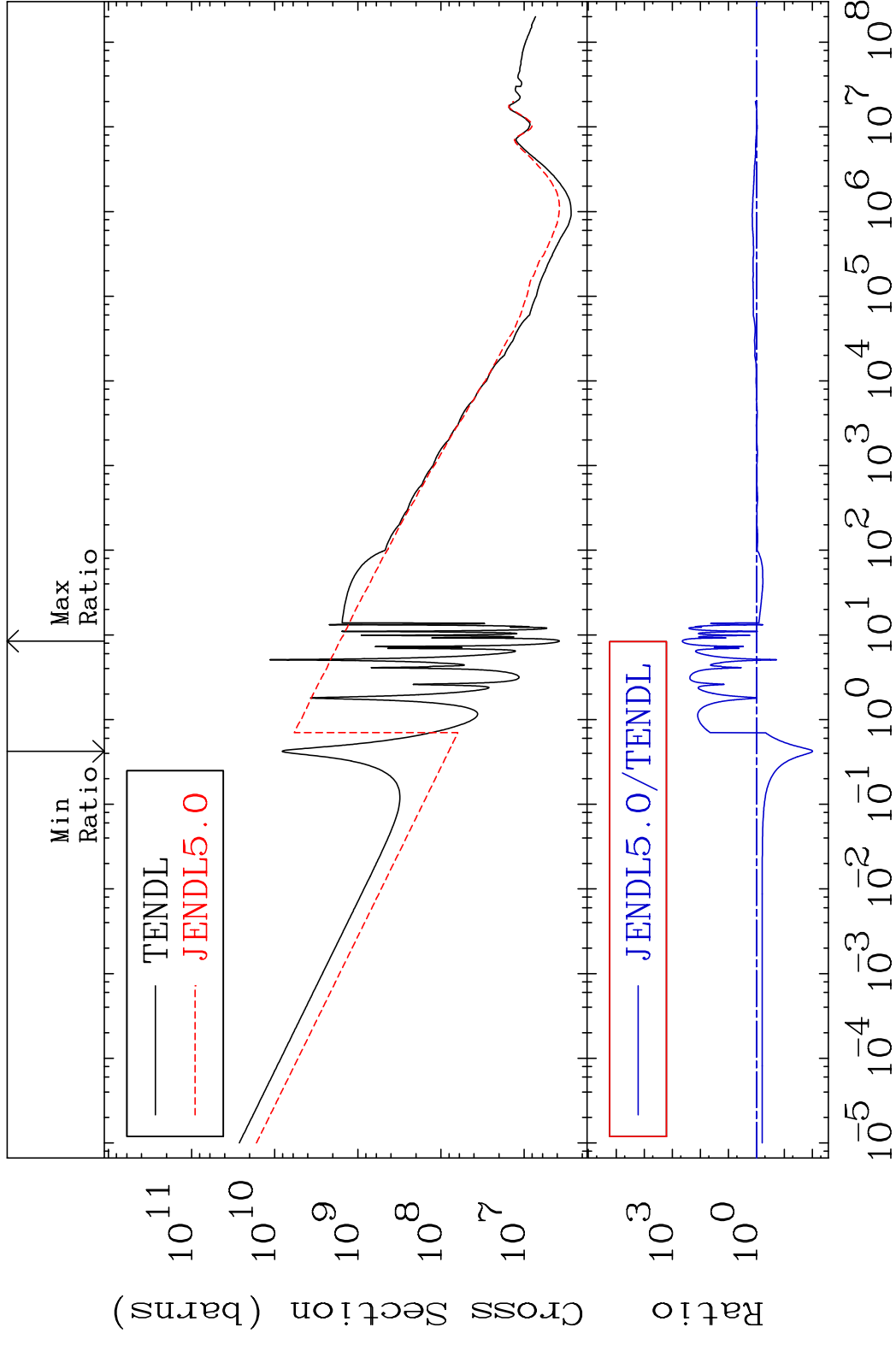
49 Incident Energy (eV) 78-Pt-191

MAT 7828 Kerma fission (mt18 or mt19-20-21-38)78-Pt-191  
 Cross Section -100.0 To 2756. %

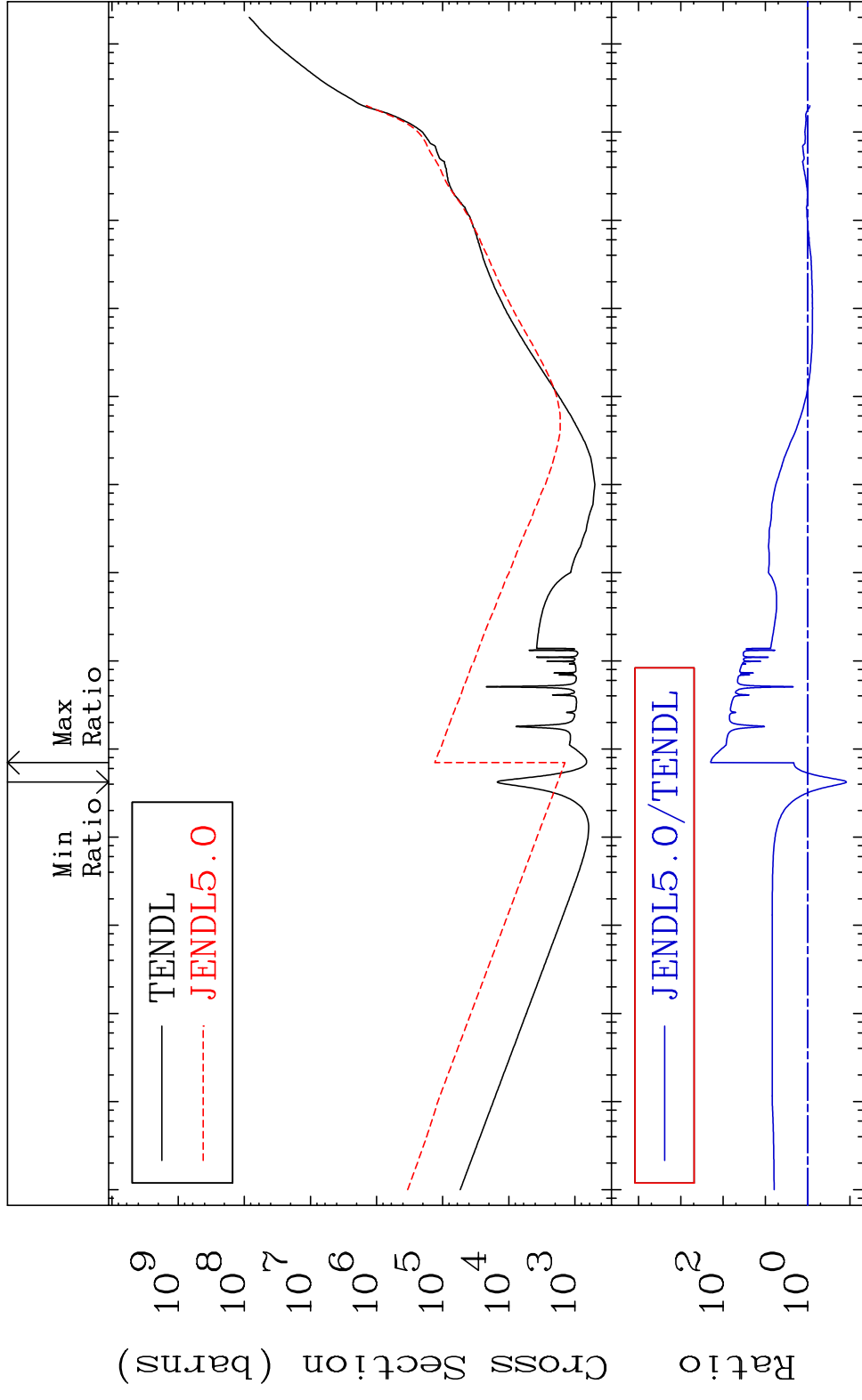




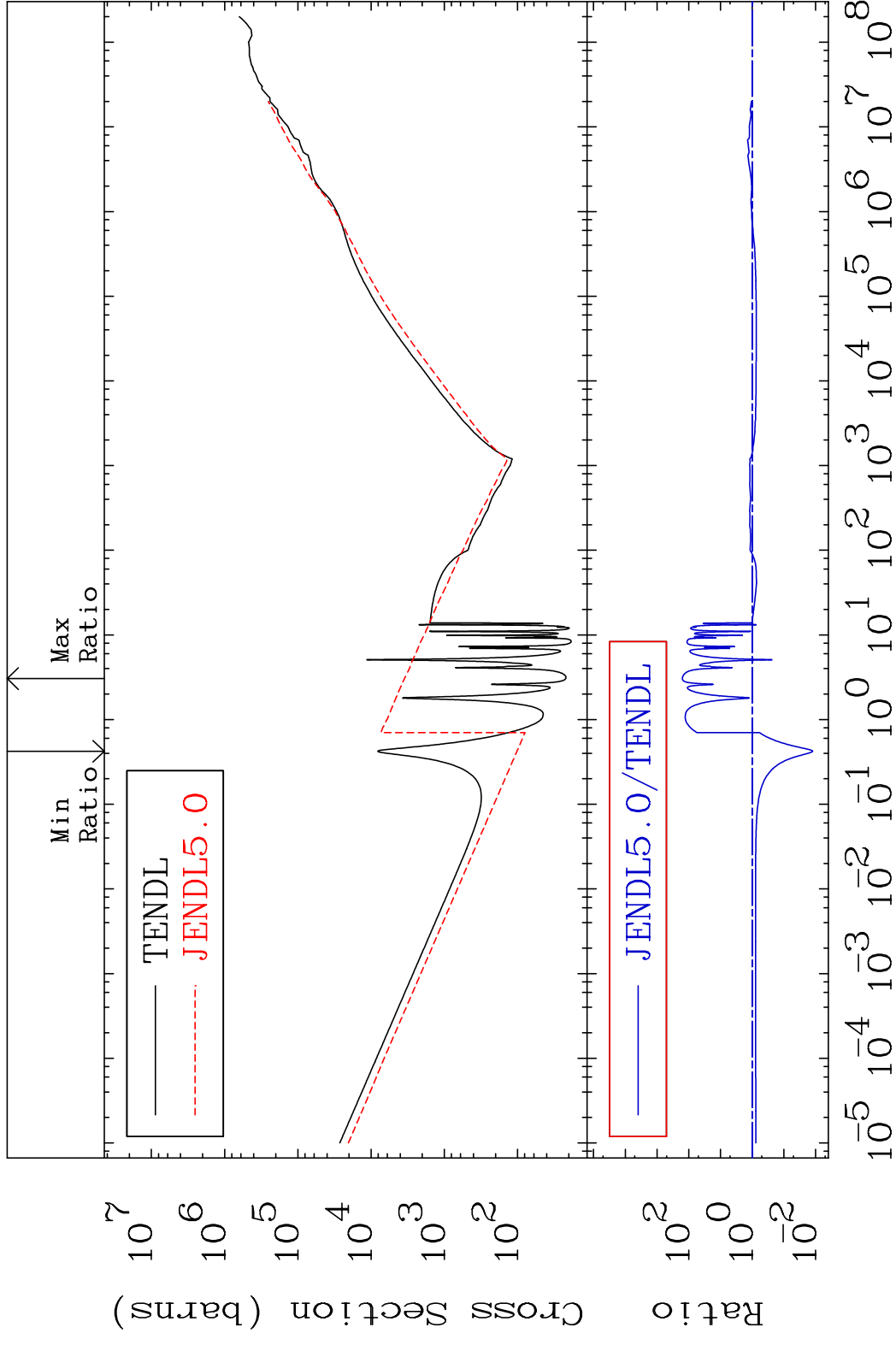
MAT 7828 Total photon (eV-barns) 78-Pt-191  
 Cross Section -99.01 To 9999. %



MAT 7828 Total kinematic kerma (high limit) 78-Pt-191  
 Cross Section -87.82 To 9999. %



MAT 7828 Dpa total (eV-barns) 78-Pt-191  
 Cross Section -98.75 To 9999. %

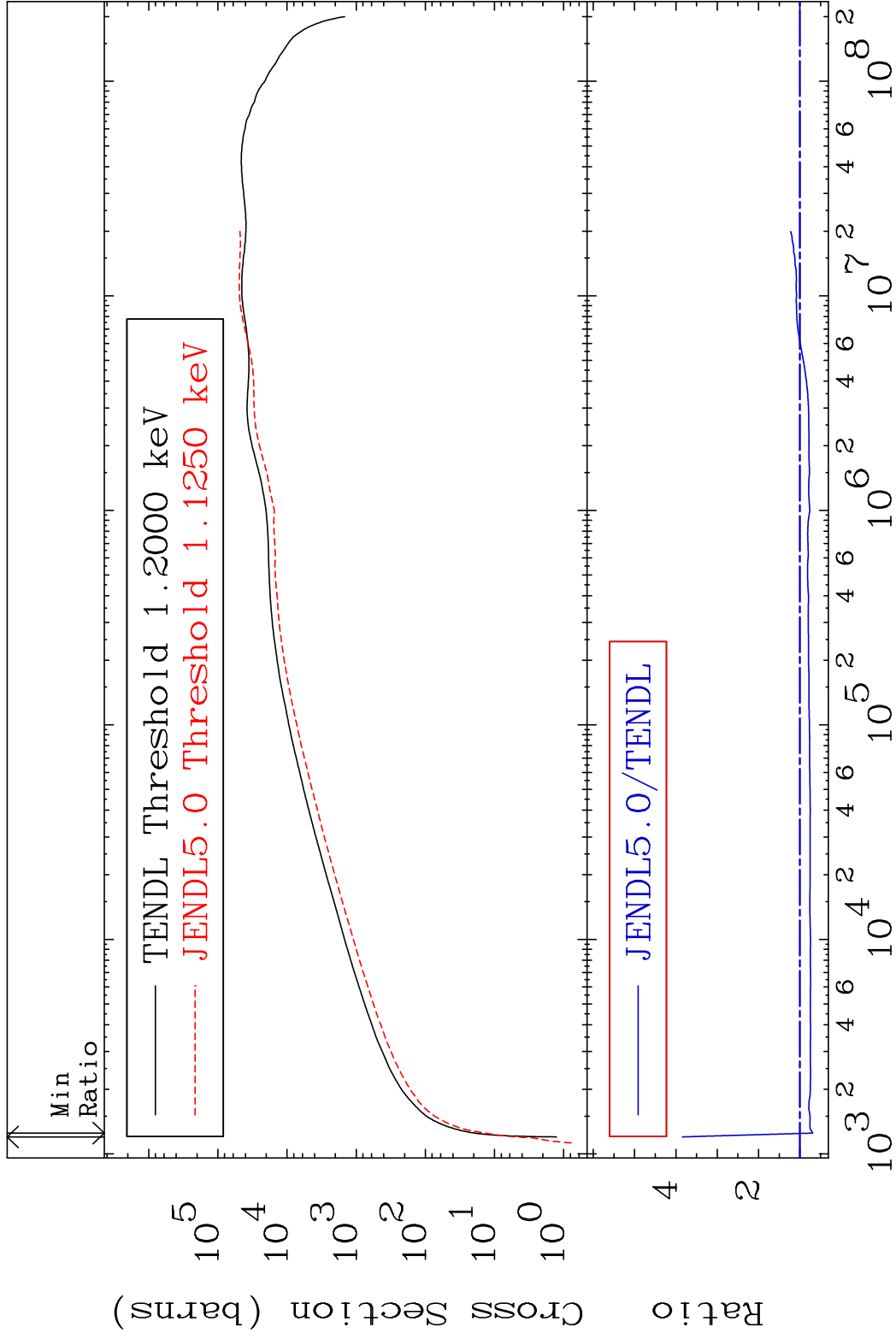


MAT 7828

Dpa elastic (mt2)

78-Pt-191

Cross Section -30.61 To 284.4 %



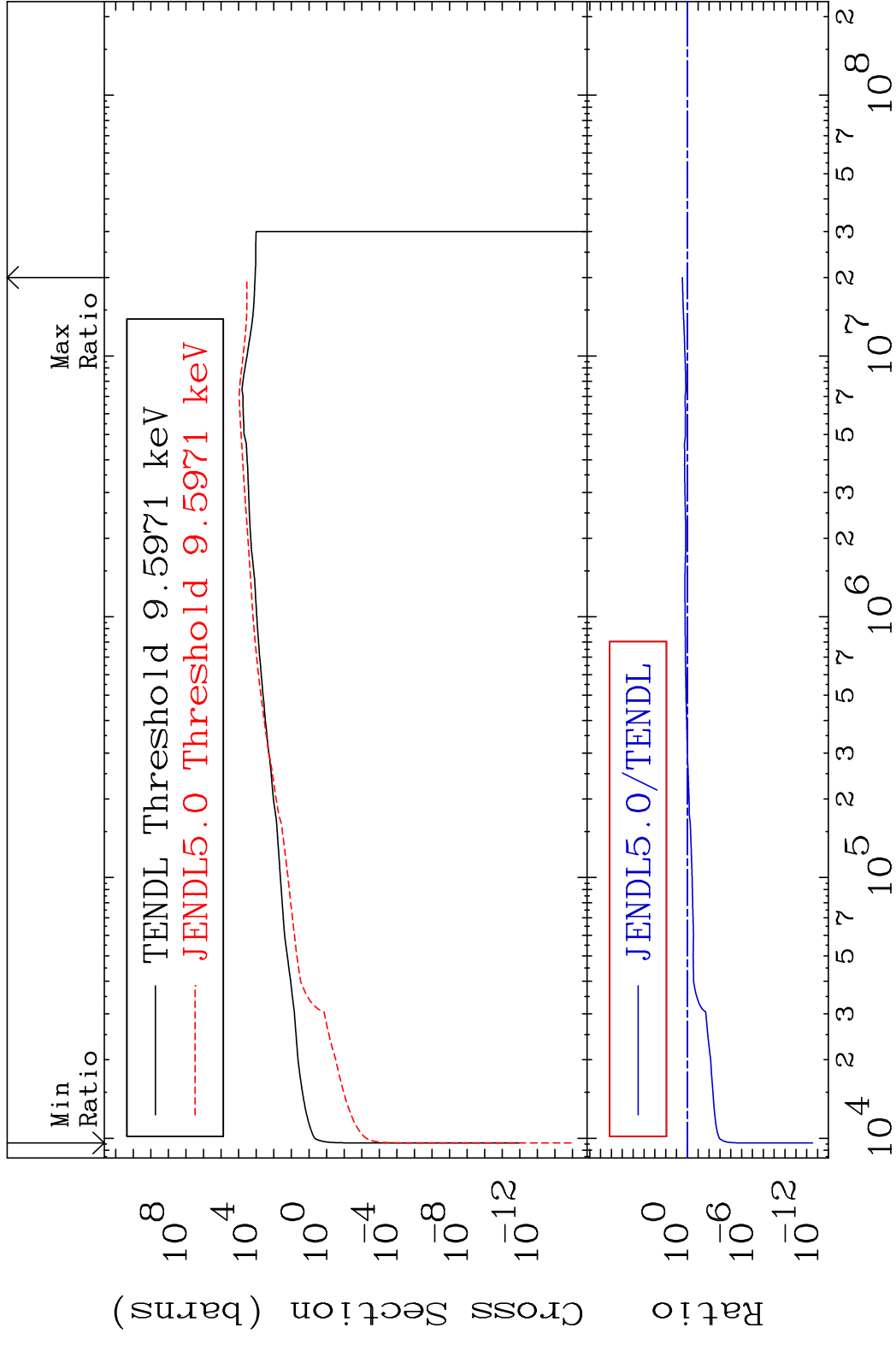
55

Incident Energy (eV)

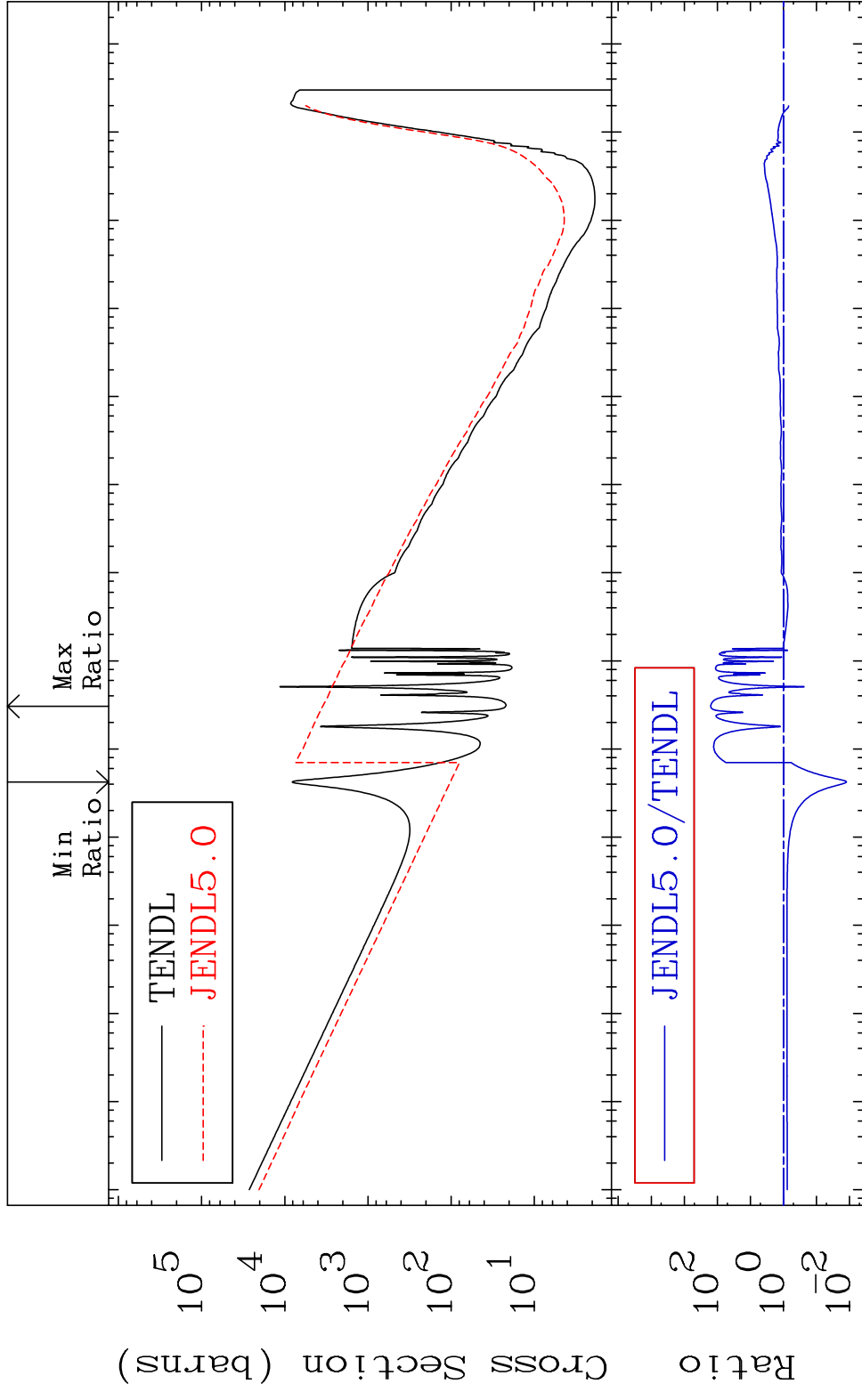
78-Pt-191

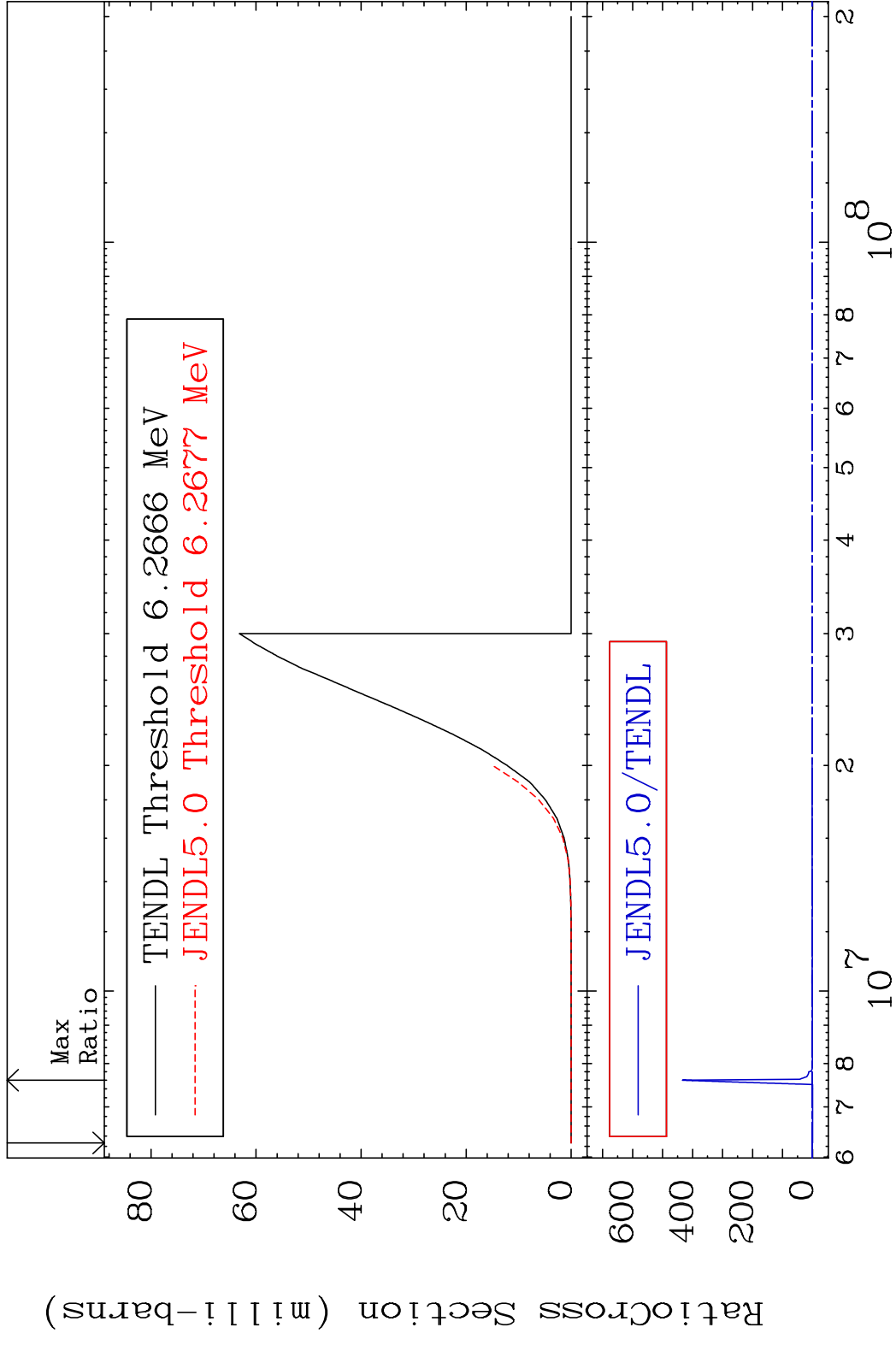


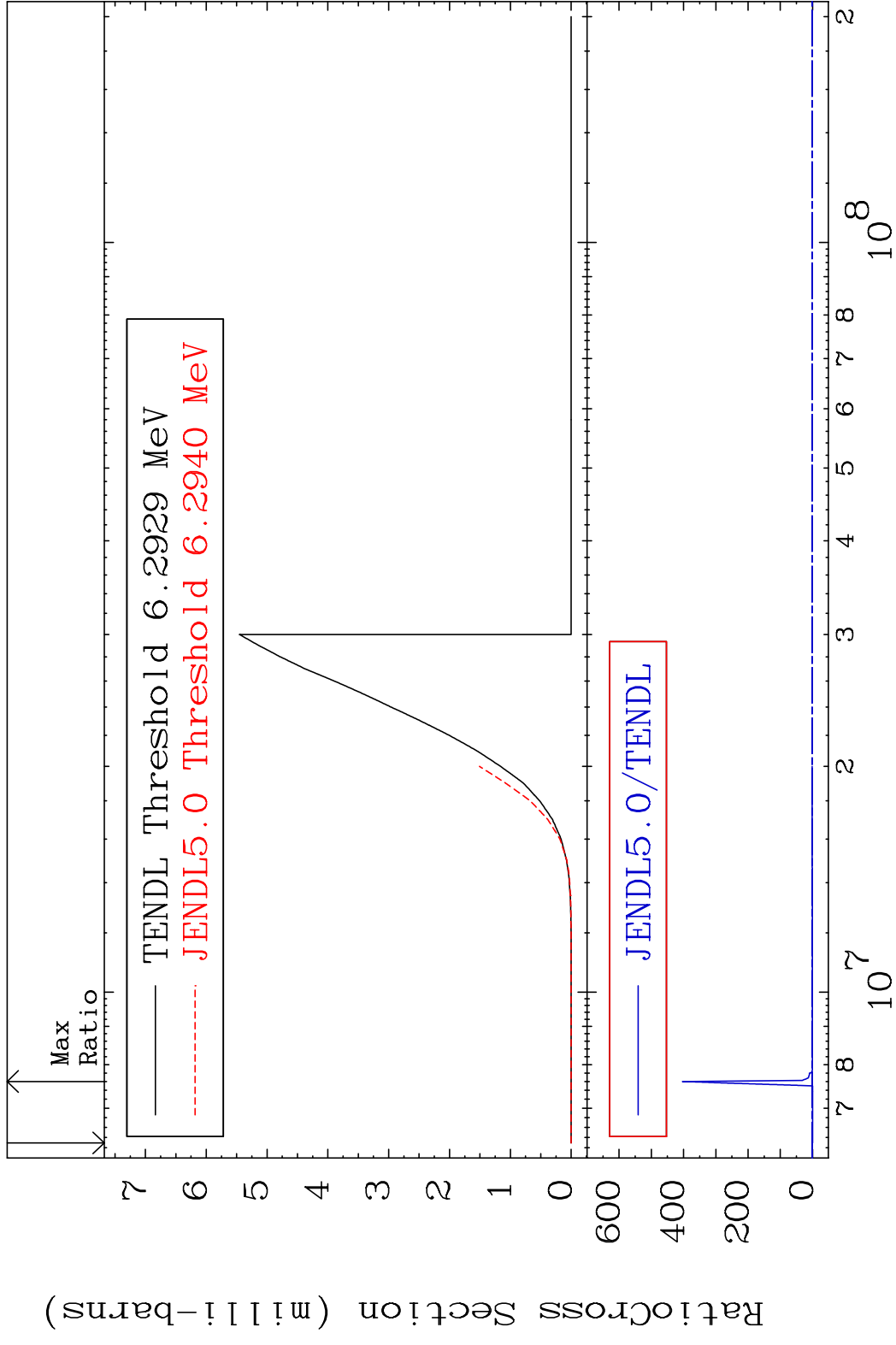
MAT 7828 Dpa inelastic (mt51-91) 78-Pt-191  
 Cross Section -100.0 To 190.3 %



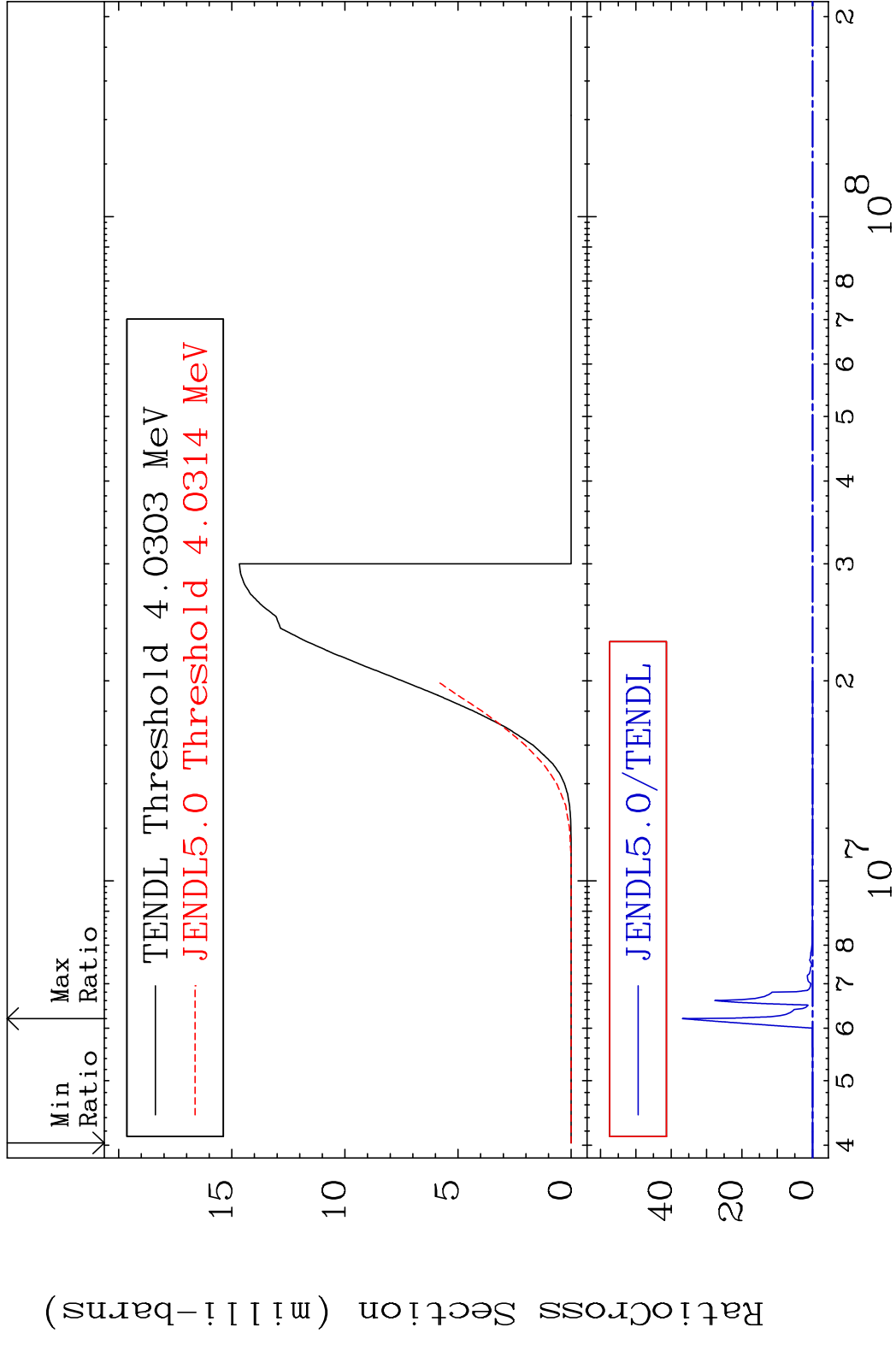
MAT 7828 Dpa disappearance (mt102 -120) 78-Pt-191  
 Cross Section -98.75 To 9999. %

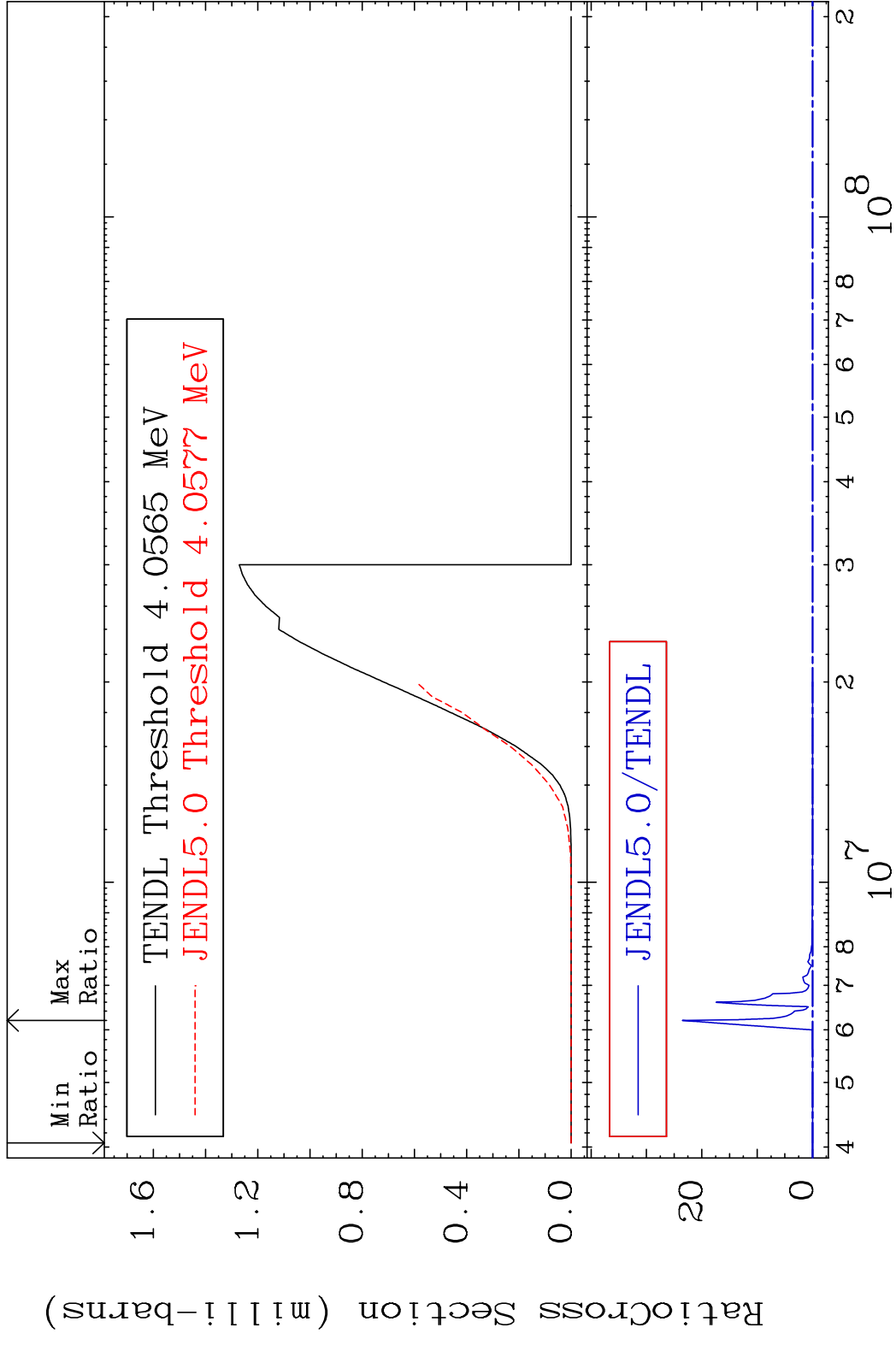


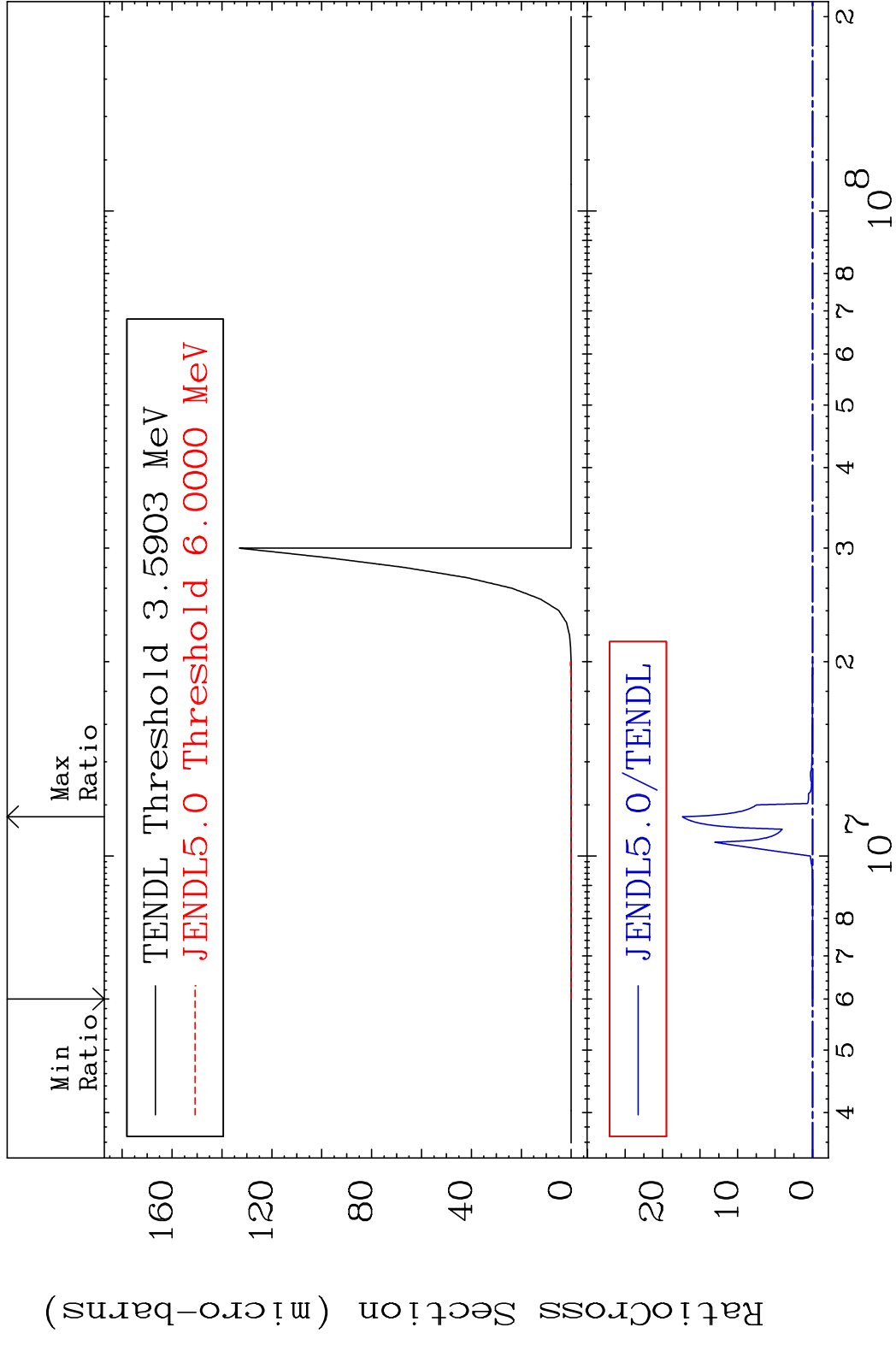


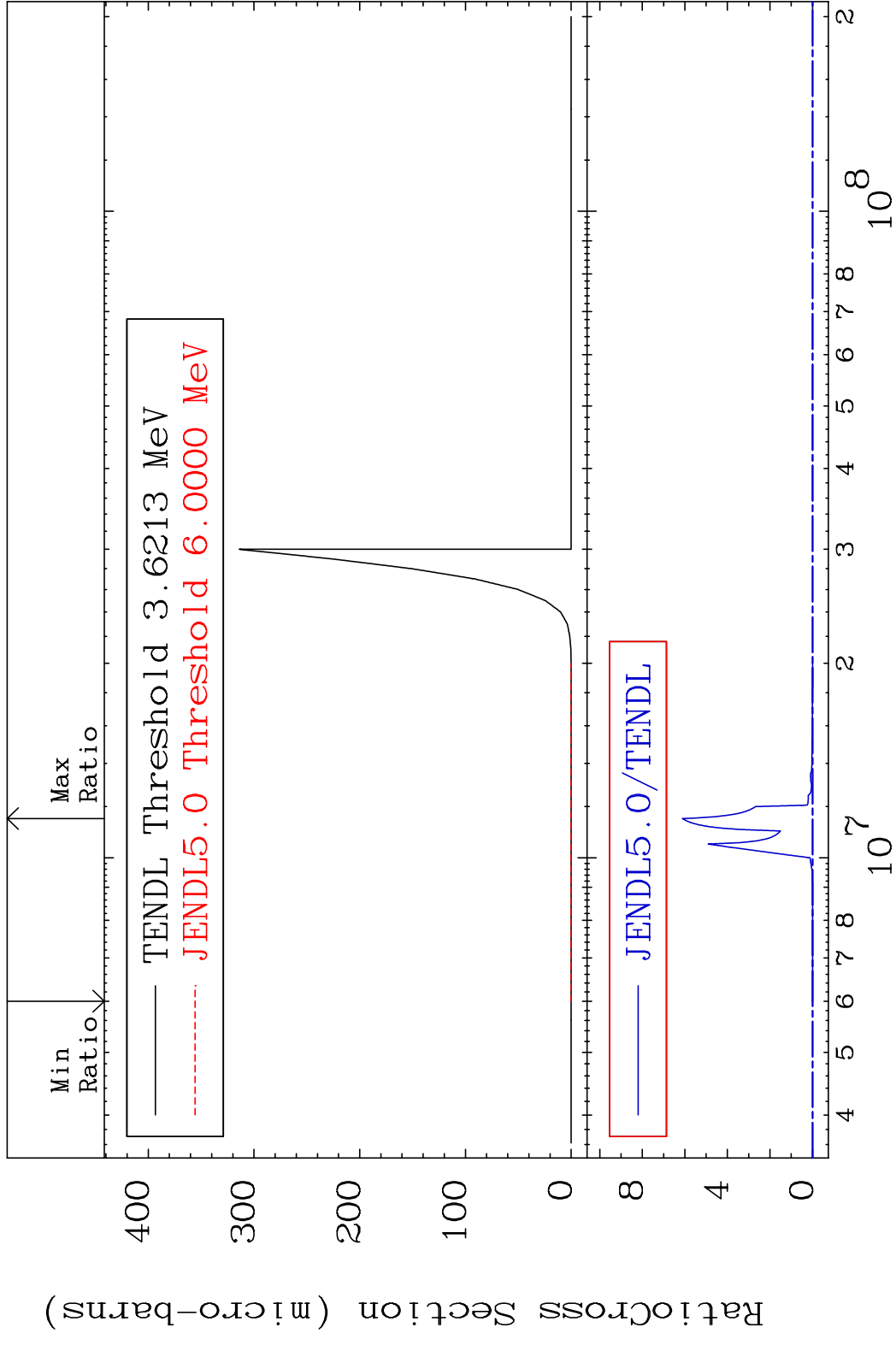


MAT 7828 (n,d):77-Ir-190g 78-Pt-191  
 Radionuclide Production Cross Section (%)









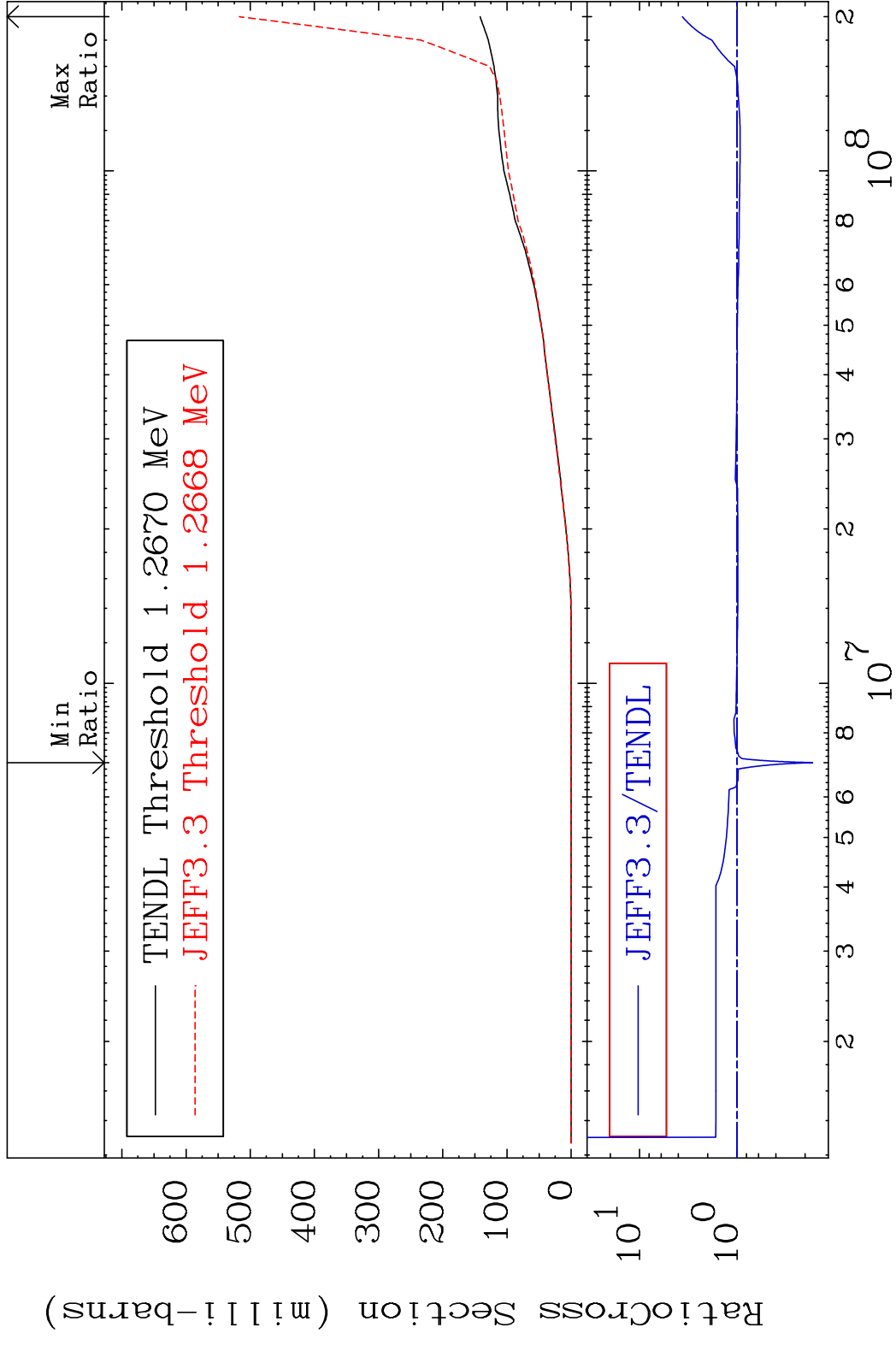


MAT 7828

Deuterium Production

78-Pt-191

Cross Section -83.23 To 264.1 %

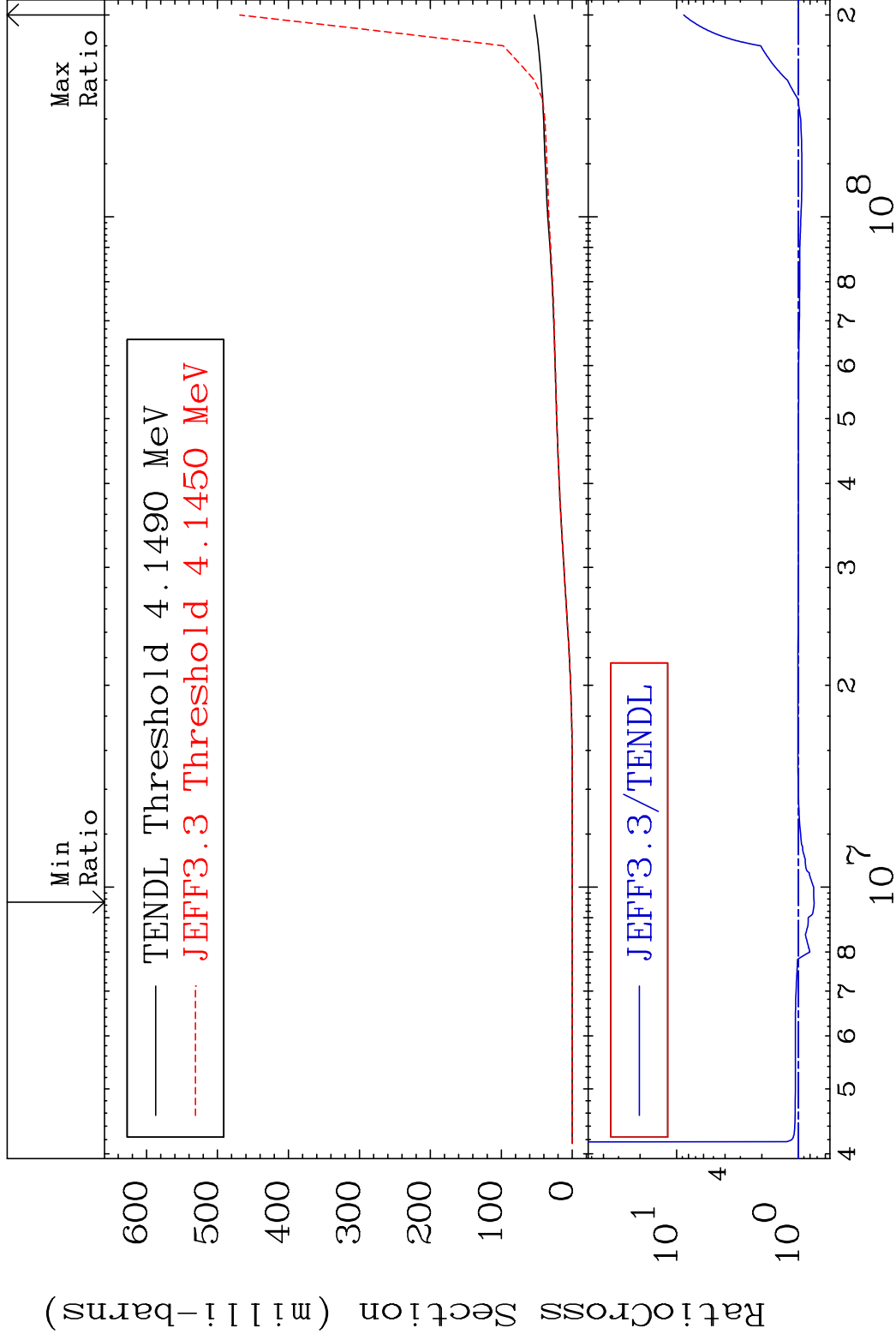


MAT 7828

Tritium Production

78-Pt-191

Cross Section -25.77 To 776.1 %



65

Incident Energy (eV)

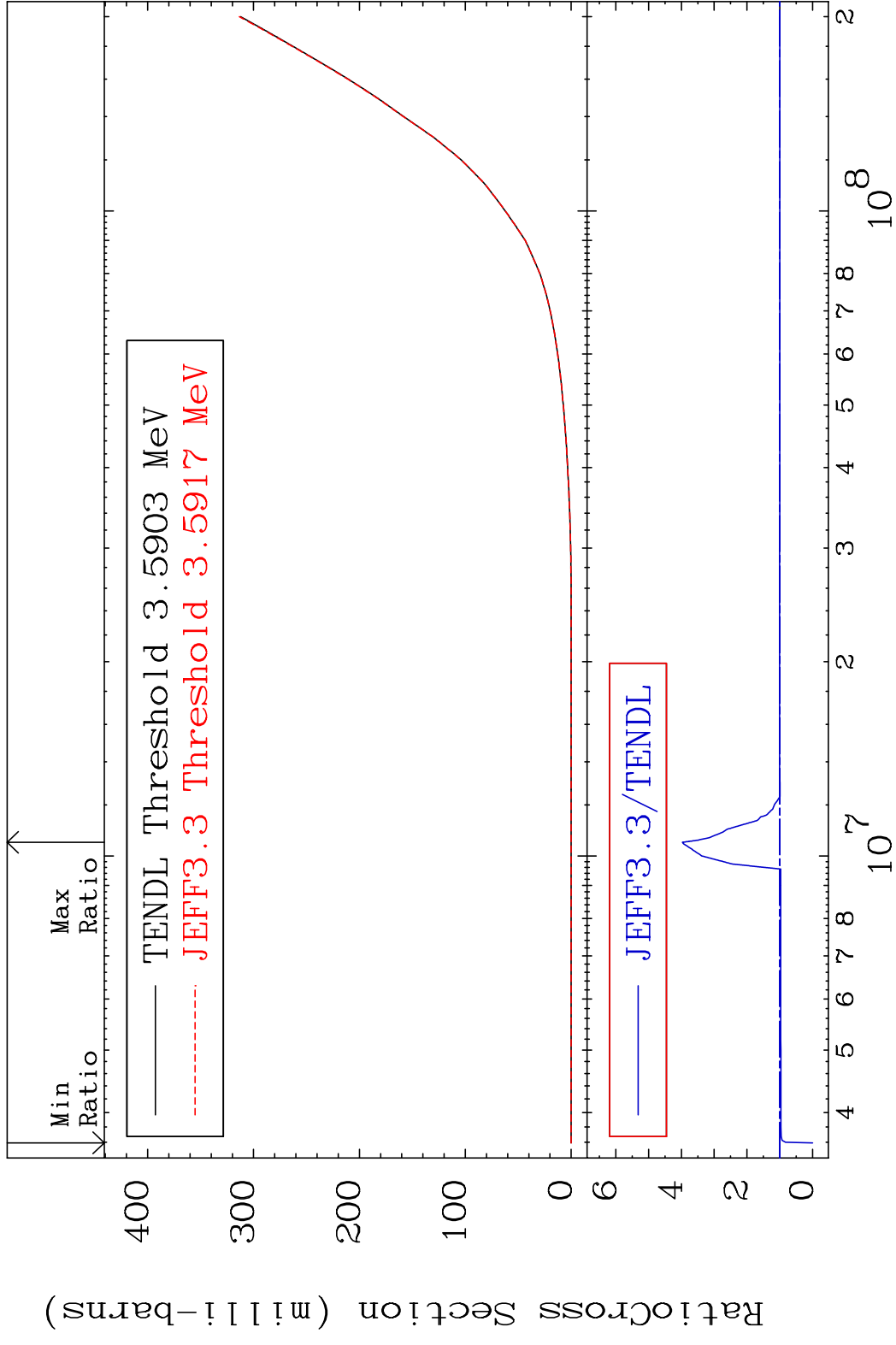
78-Pt-191

MAT 7828

He-3 Production

78-Pt-191

Cross Section -100.0 To 297.1 %

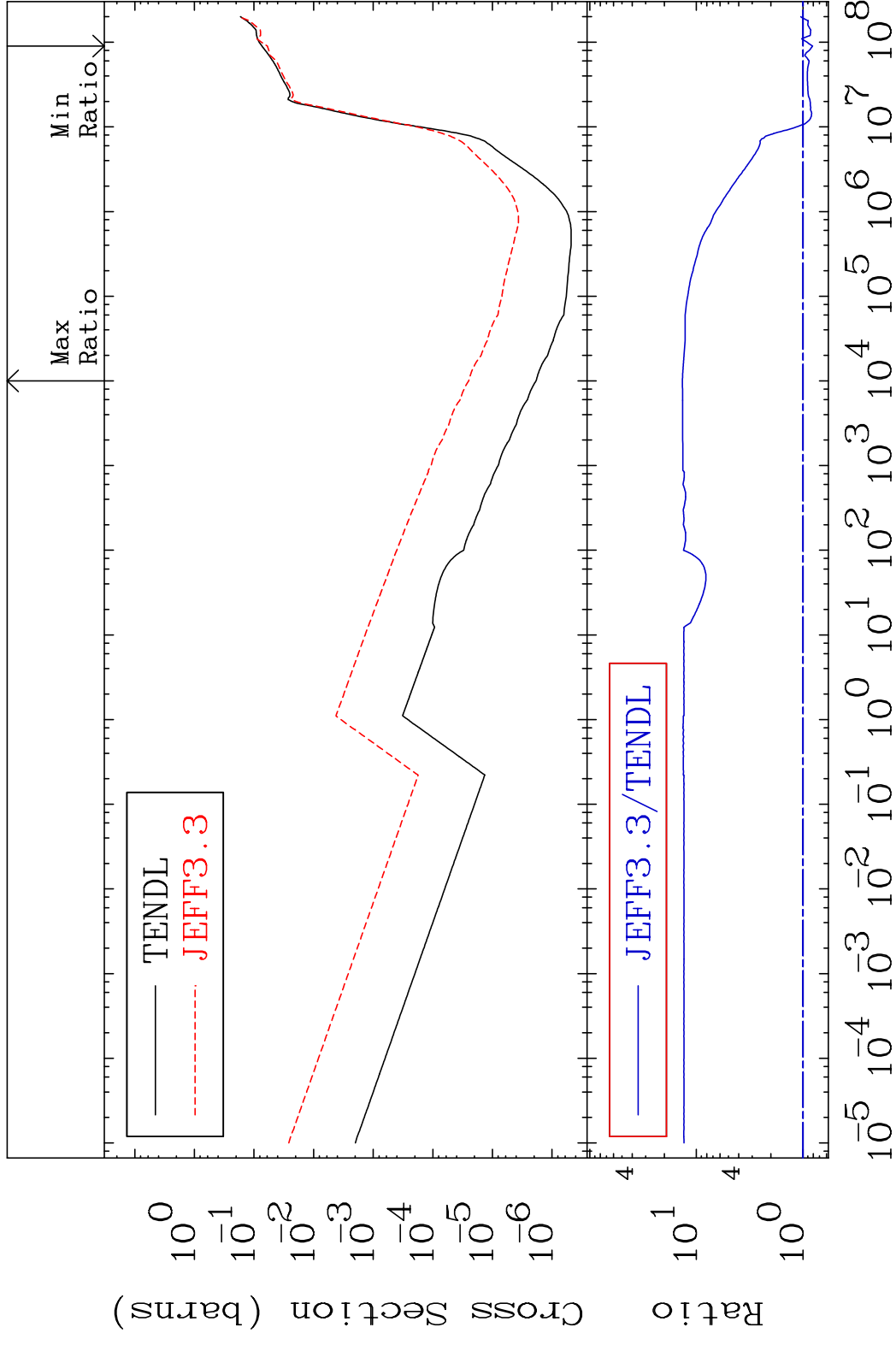


MAT 7828

He-4 Production

78-Pt-191

Cross Section -18.73 To 1255. %



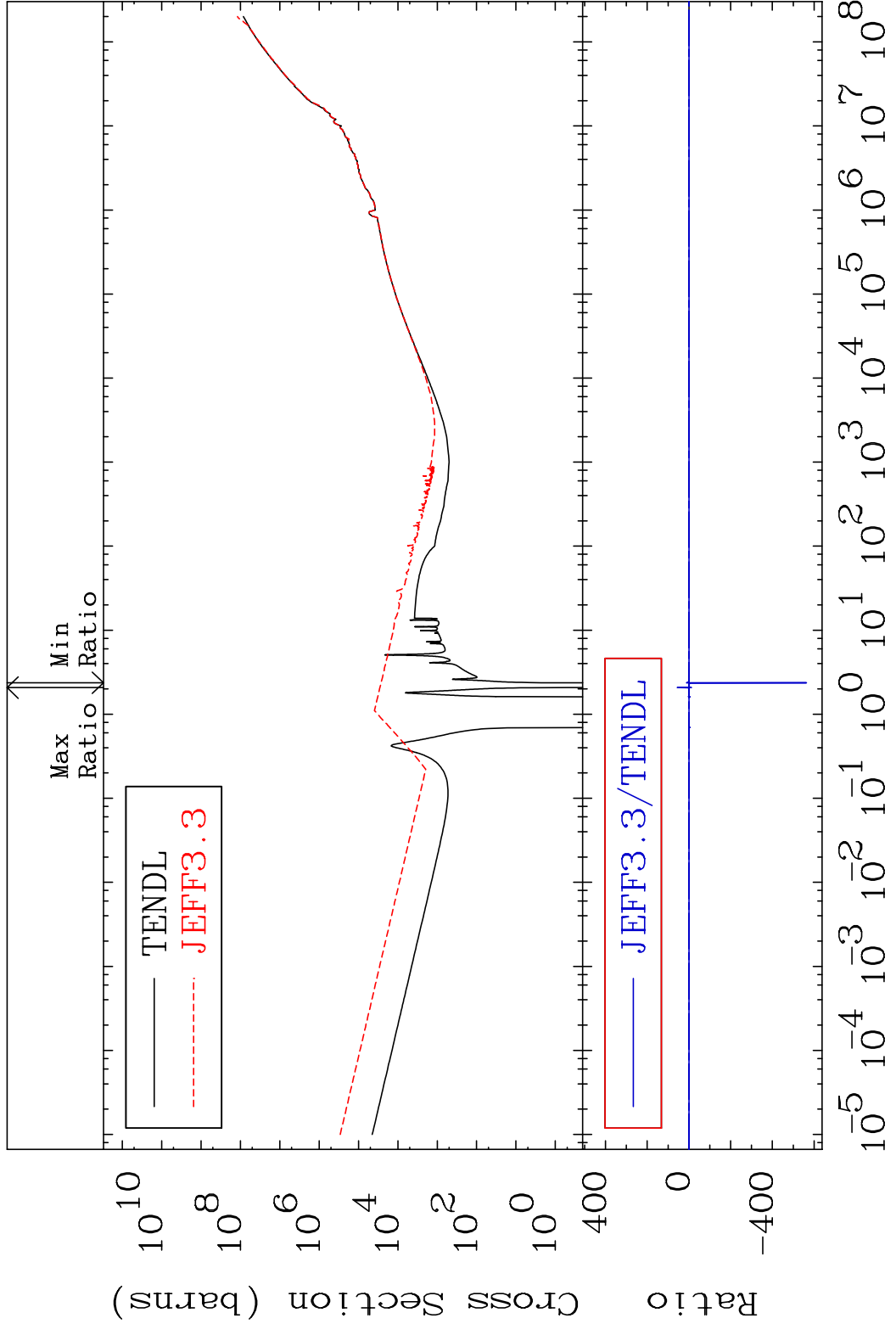
67

Incident Energy (eV)

78-Pt-191

MAT 7828

Kerma total (eV-barns) 78-Pt-191  
Cross Section -9999. To 9999. %



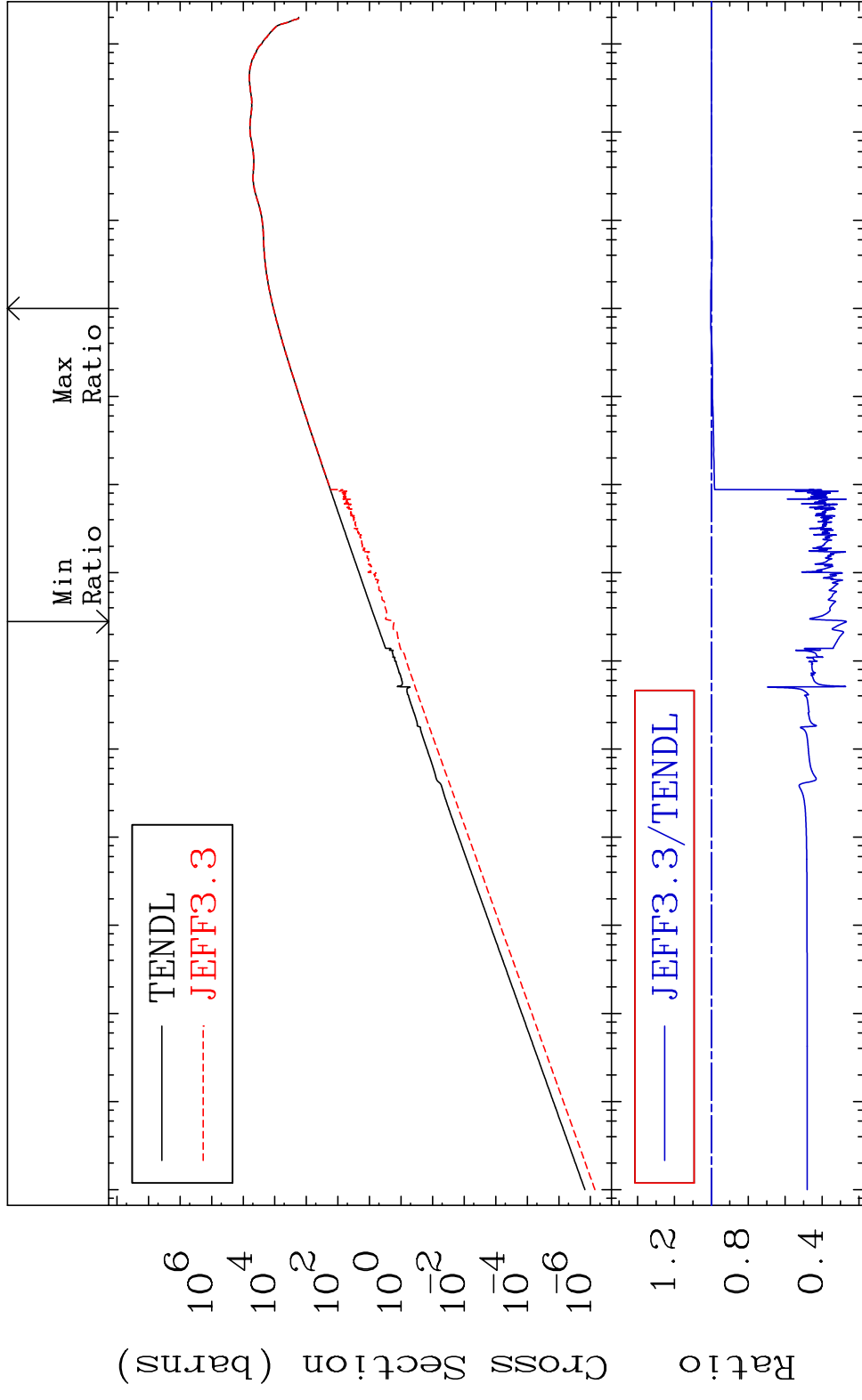
68

Incident Energy (eV) 78-Pt-191

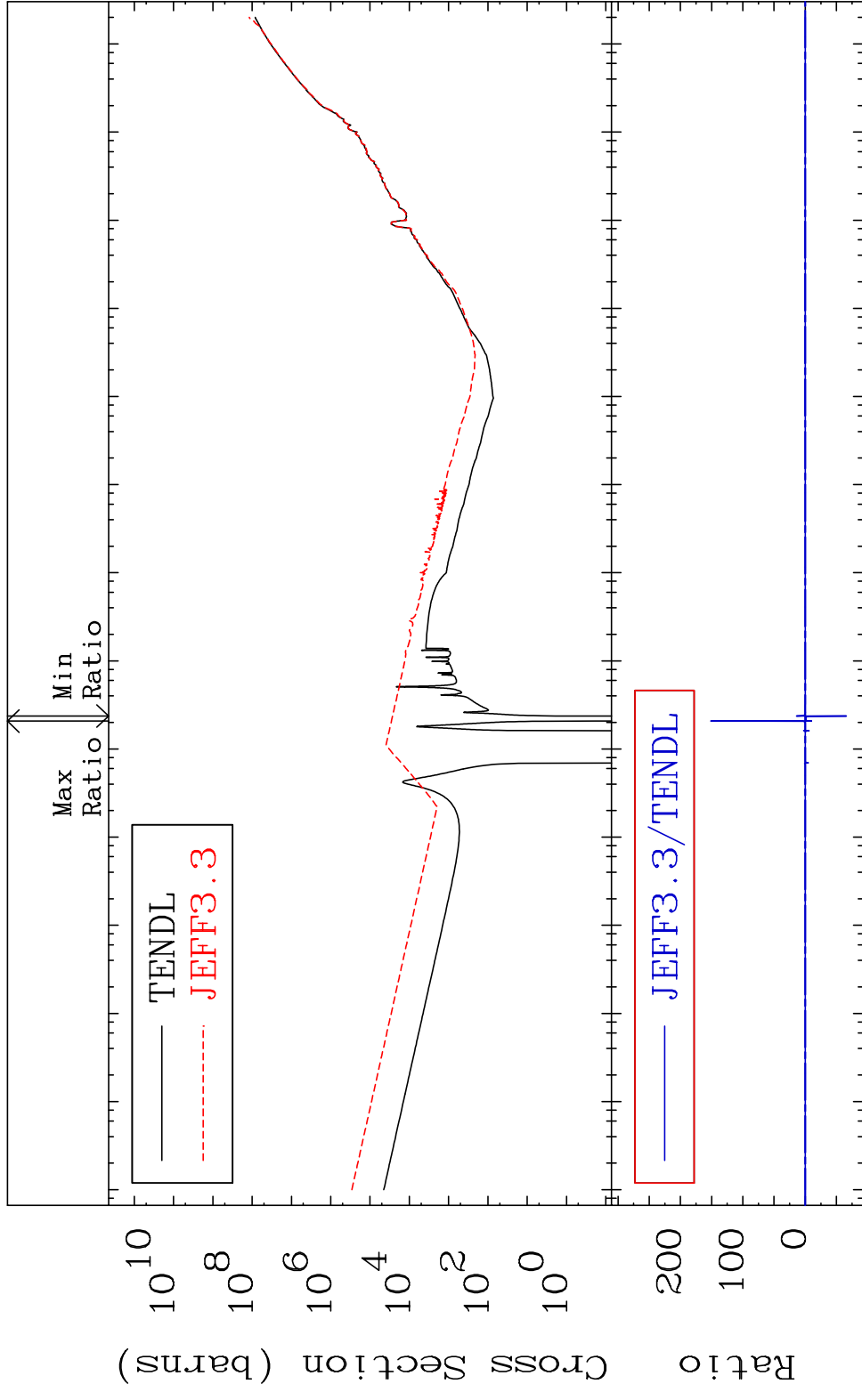
MAT 7828

Kerma elastic  
Cross Section

78-Pt-191  
-73.14 To 0.366 %

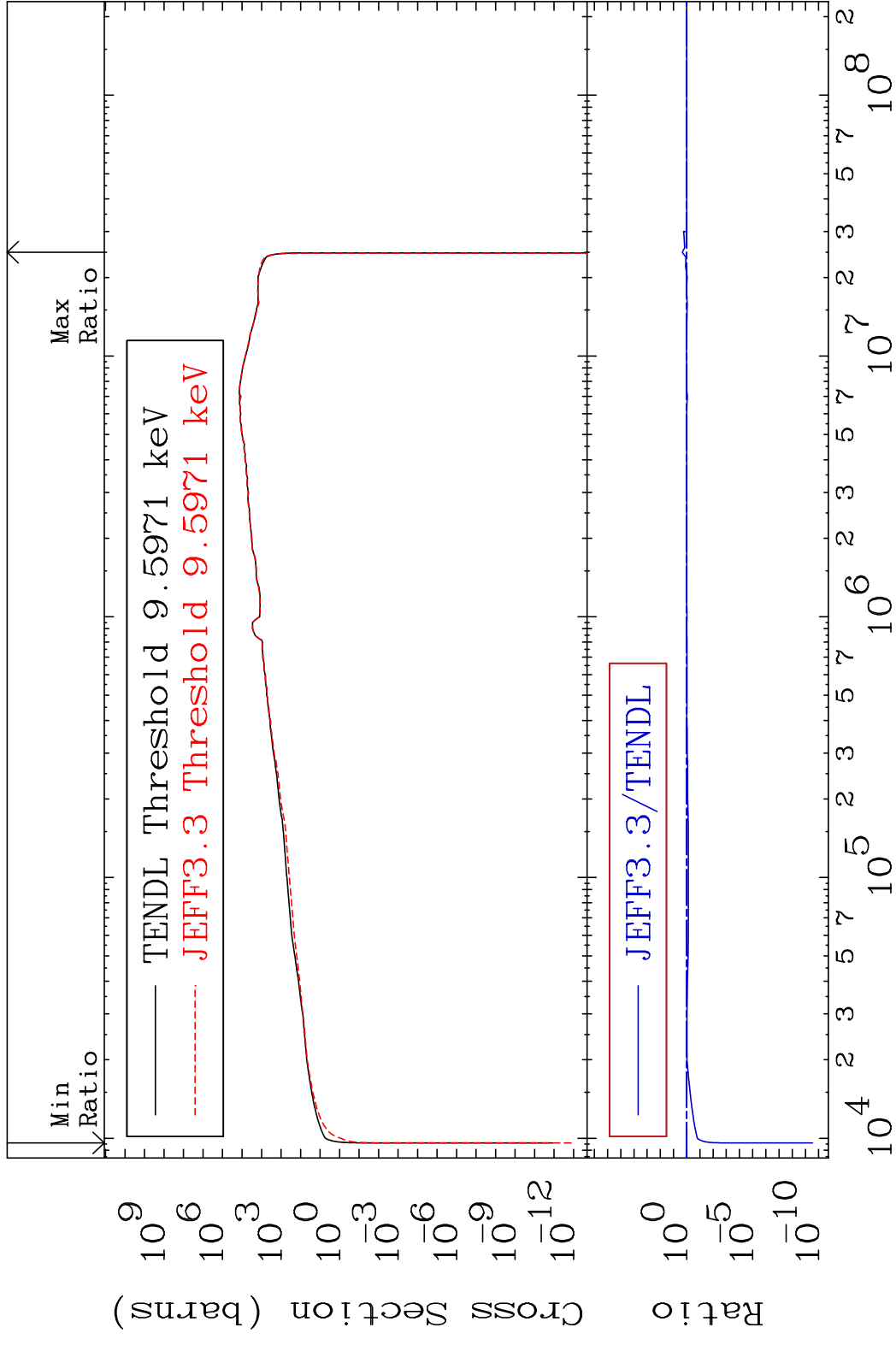


MAT 7828 Kerma non-elastic (all but mt2) 78-Pt-191  
 Cross Section -9999. To 9999. %



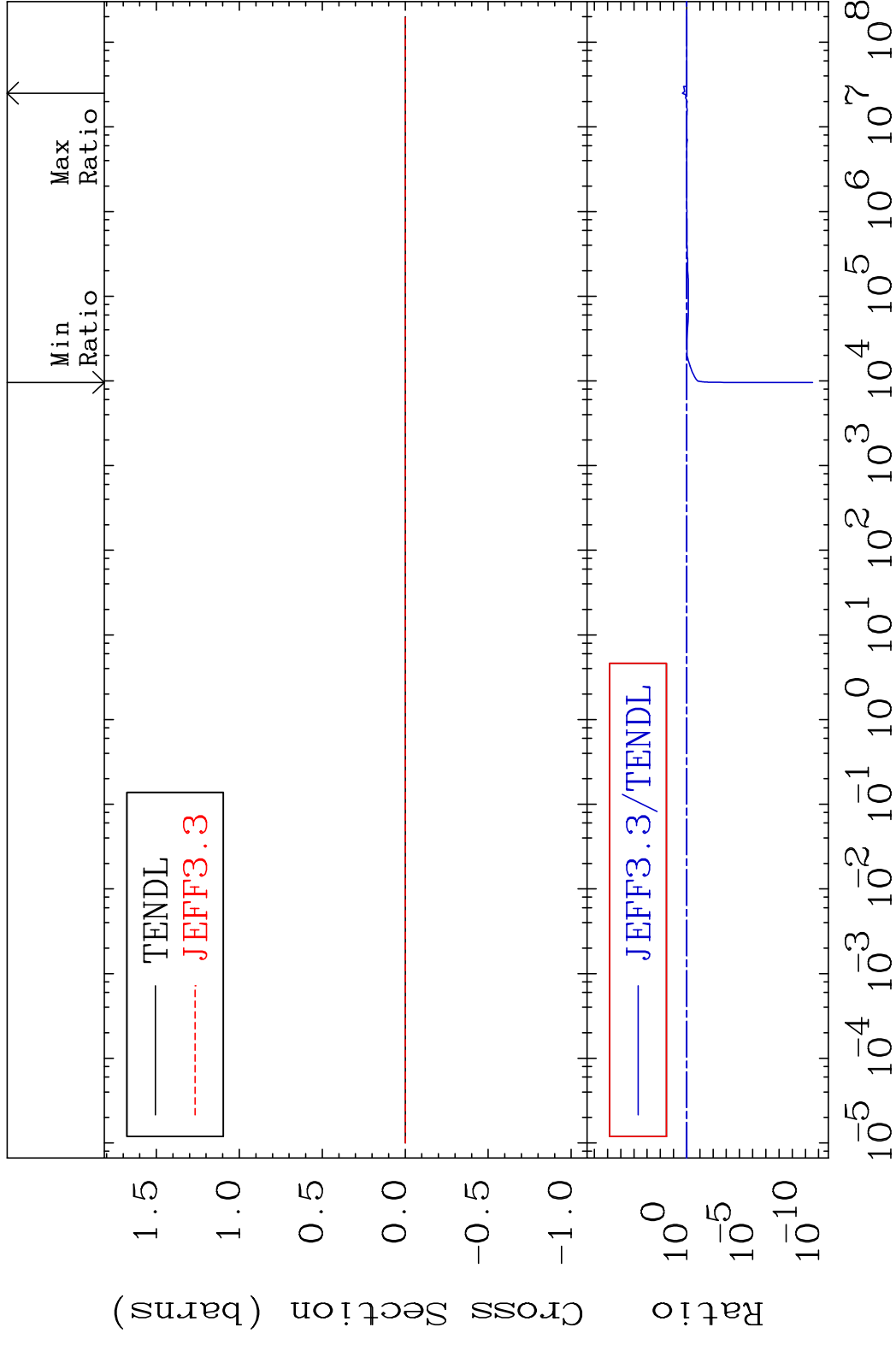
70 Incident Energy (eV) 78-Pt-191

MAT 7828 Kerma inelastic (mt51-91) 78-Pt-191  
 Cross Section -100.0 To 113.6 %





MAT 7828 Kerma fission (mt18 or mt19-20-21-38)78-Pt-191  
 Cross Section -100.0 To 113.6 %

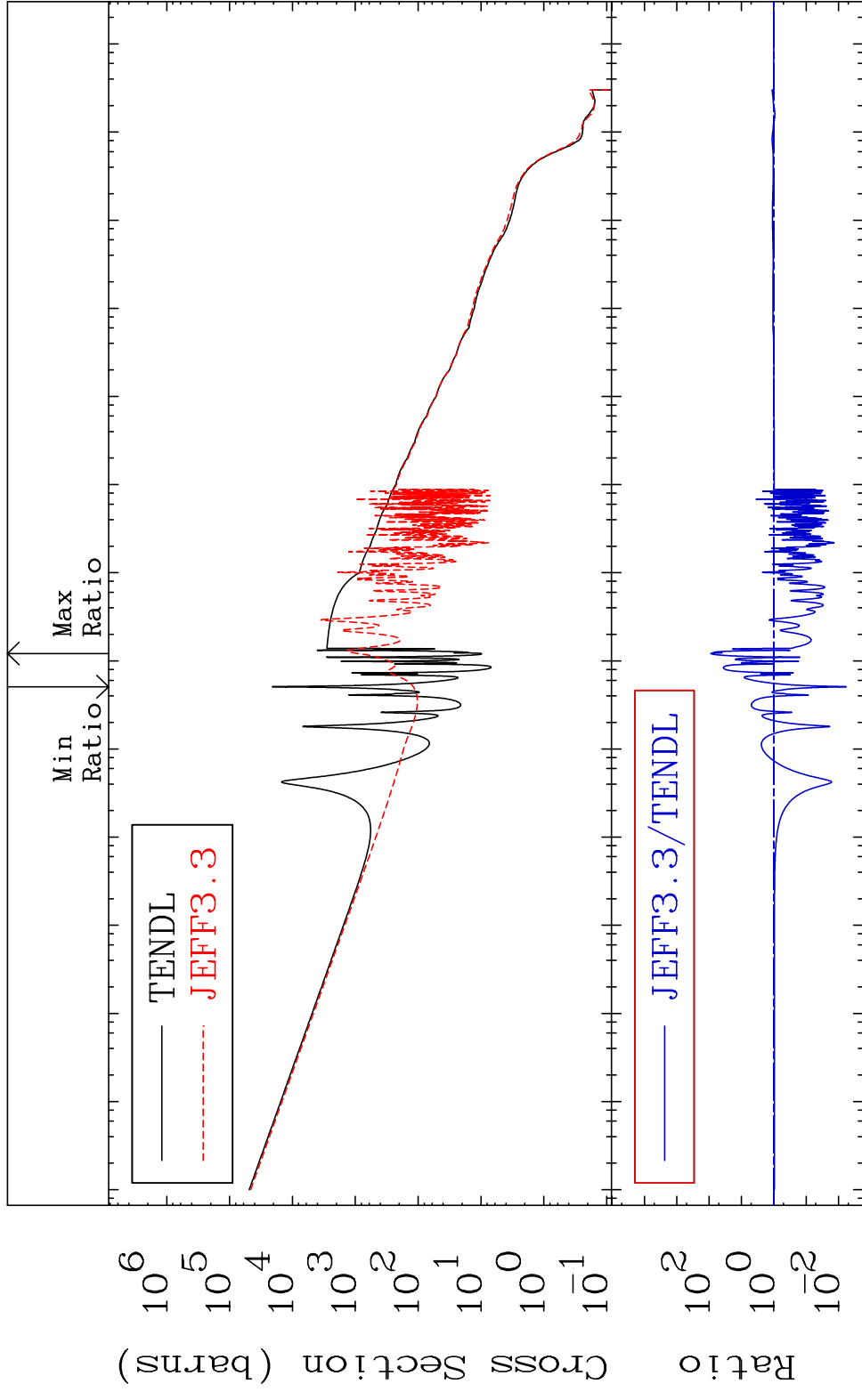


MAT 7828

Kerma capture (mt102)

78-Pt-191

Cross Section -99.43 To 8799. %

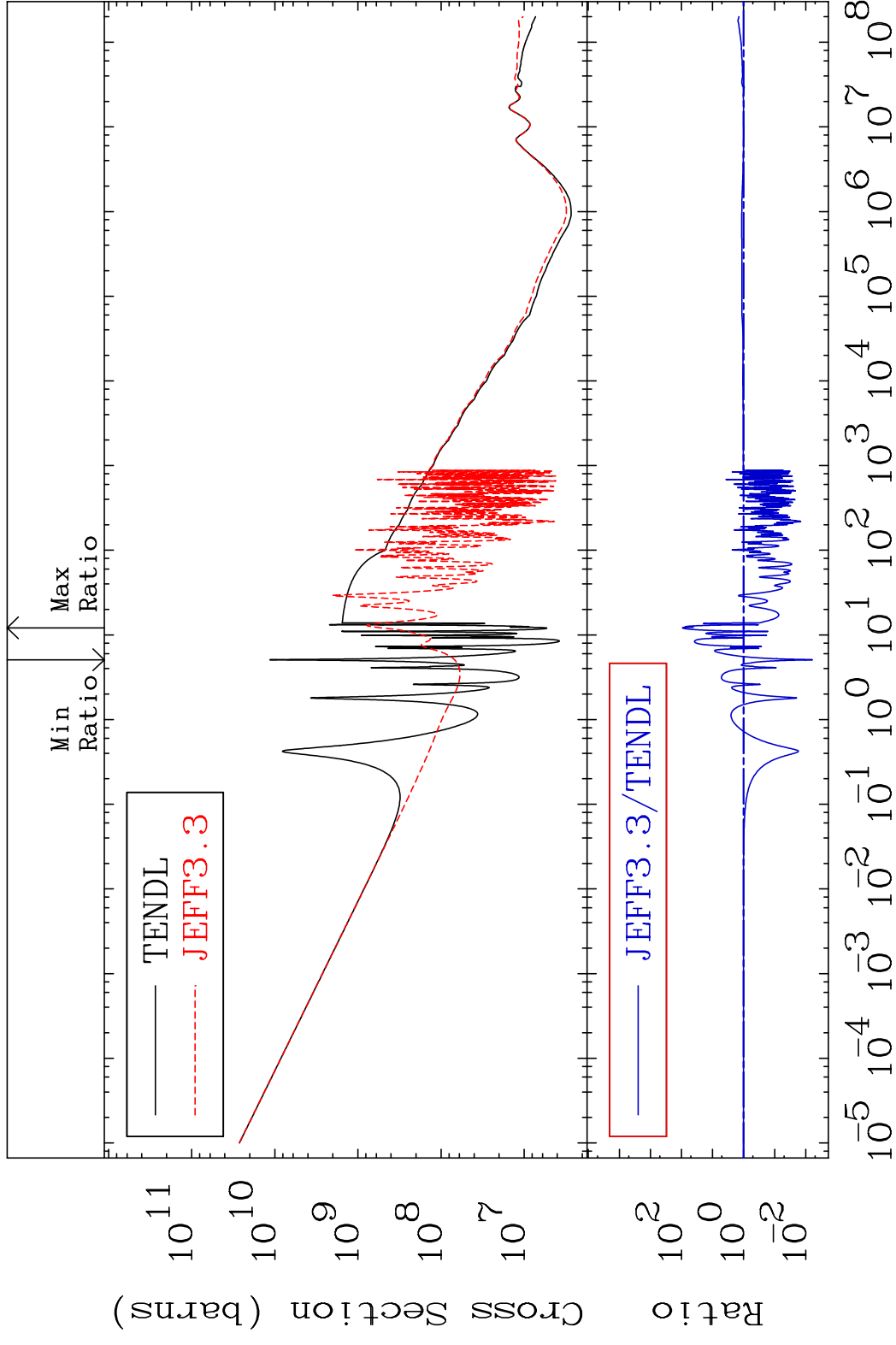


73

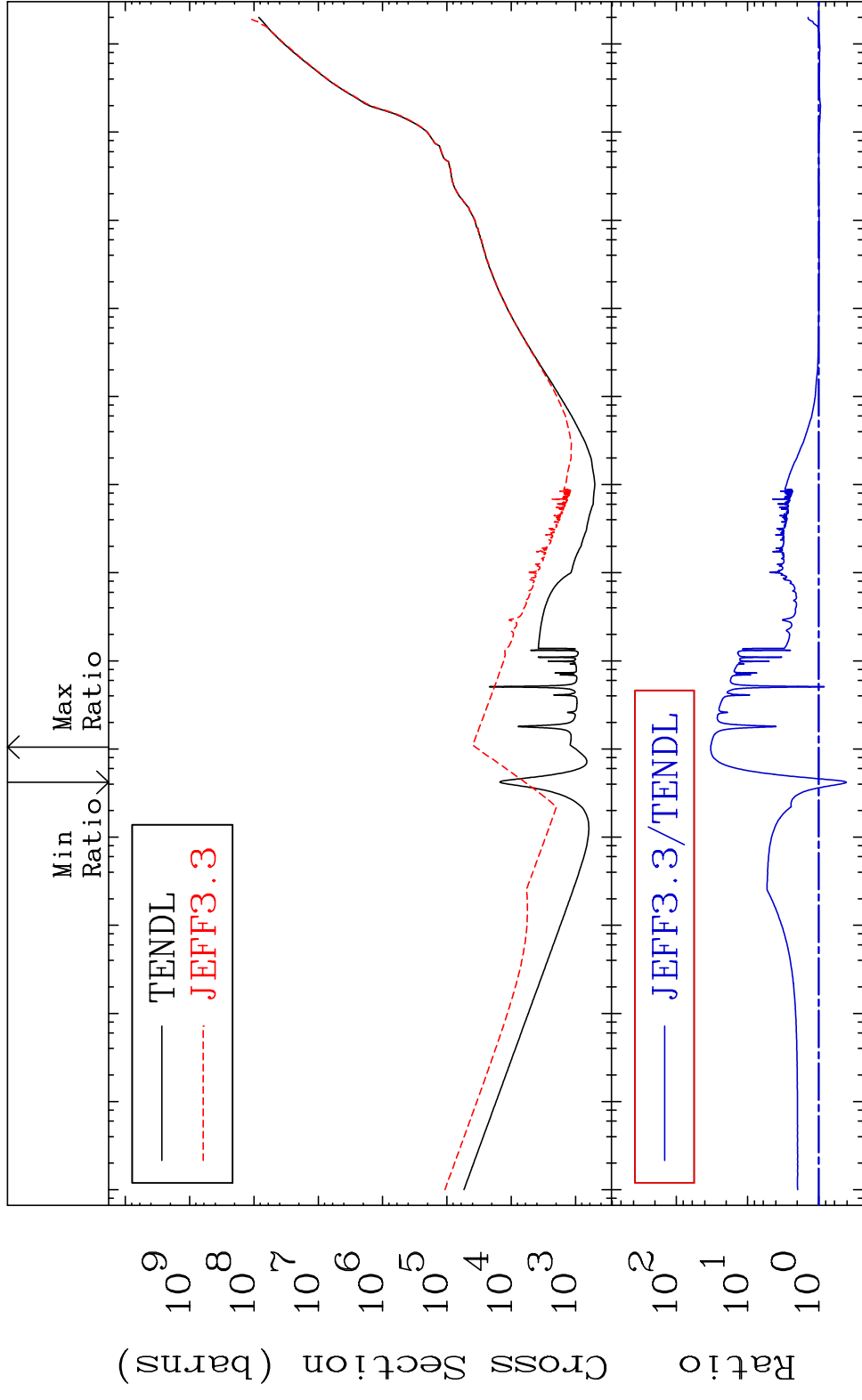
Incident Energy (eV)

78-Pt-191

MAT 7828 Total photon (eV-barns) 78-Pt-191  
 Cross Section -99.40 To 9265. %



MAT 7828 Total kinematic kerma (high limit) 78-Pt-191  
 Cross Section -59.09 To 3195. %



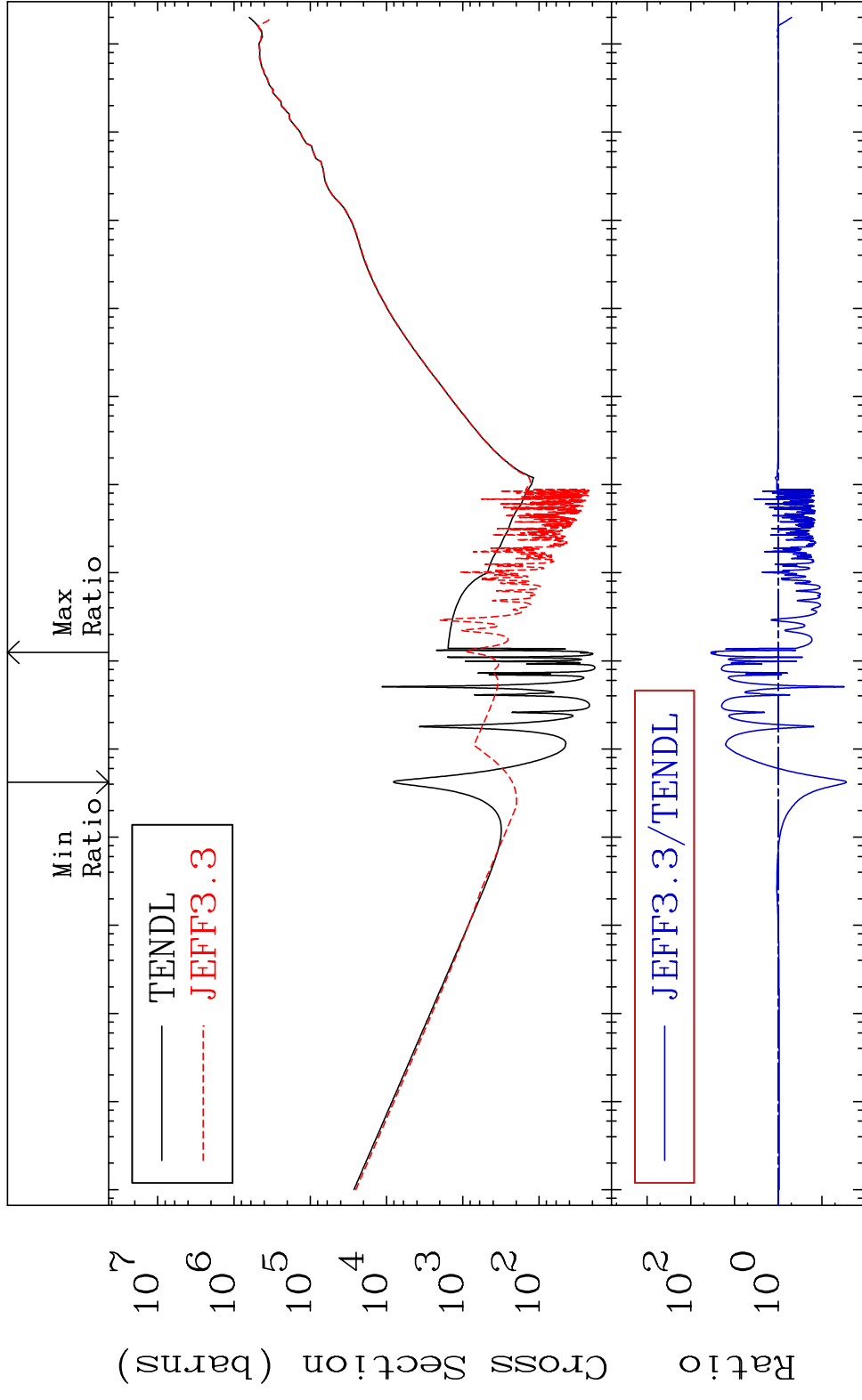
75 Incident Energy (eV) 78-Pt-191

MAT 7828

Dpa total (eV-barns)

78-Pt-191

Cross Section -97.24 To 3386. %



76

Incident Energy (eV)

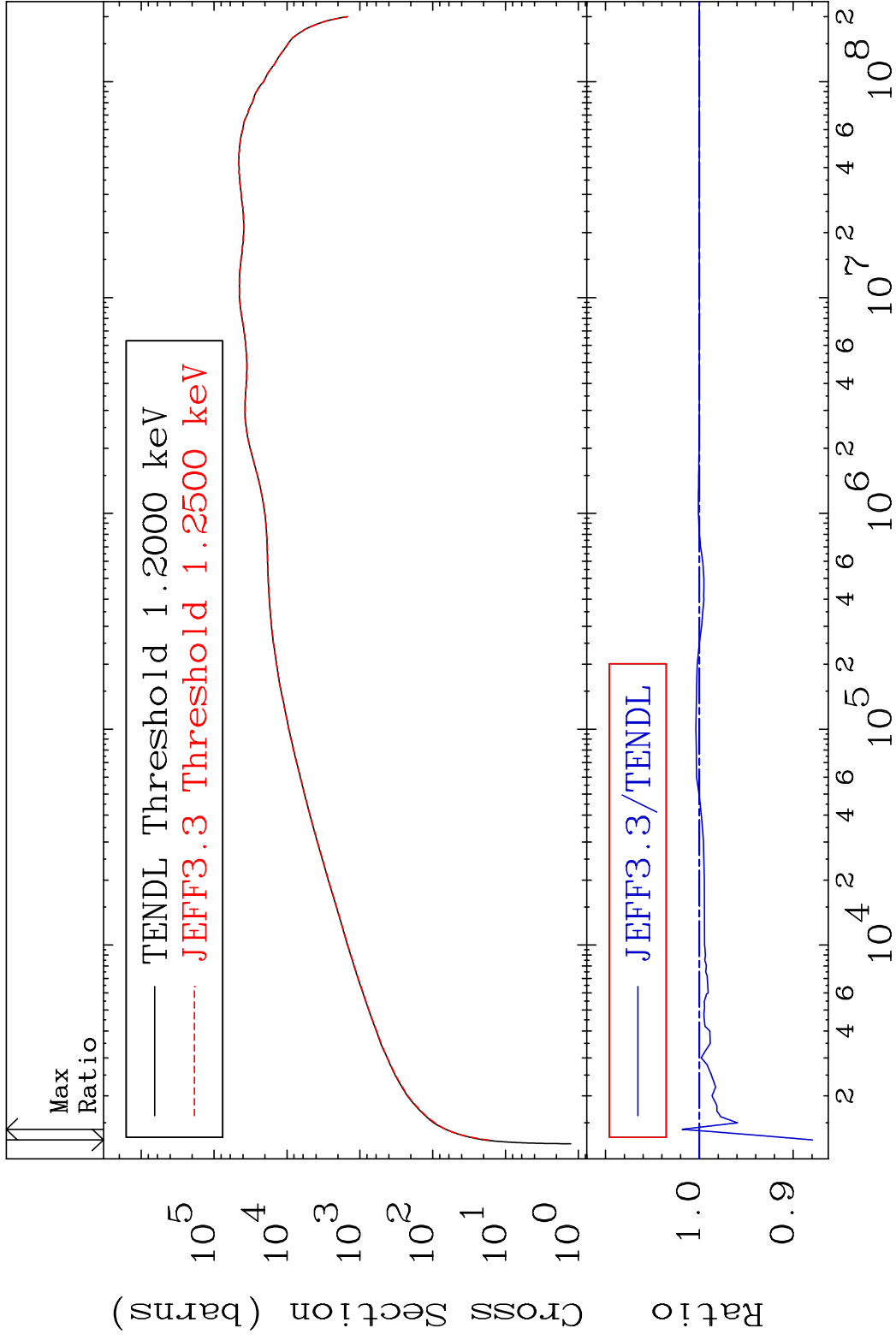
78-Pt-191

MAT 7828

Dpa elastic (mt2)

78-Pt-191

Cross Section -12.05 To 1.839 %



77

Incident Energy (eV)

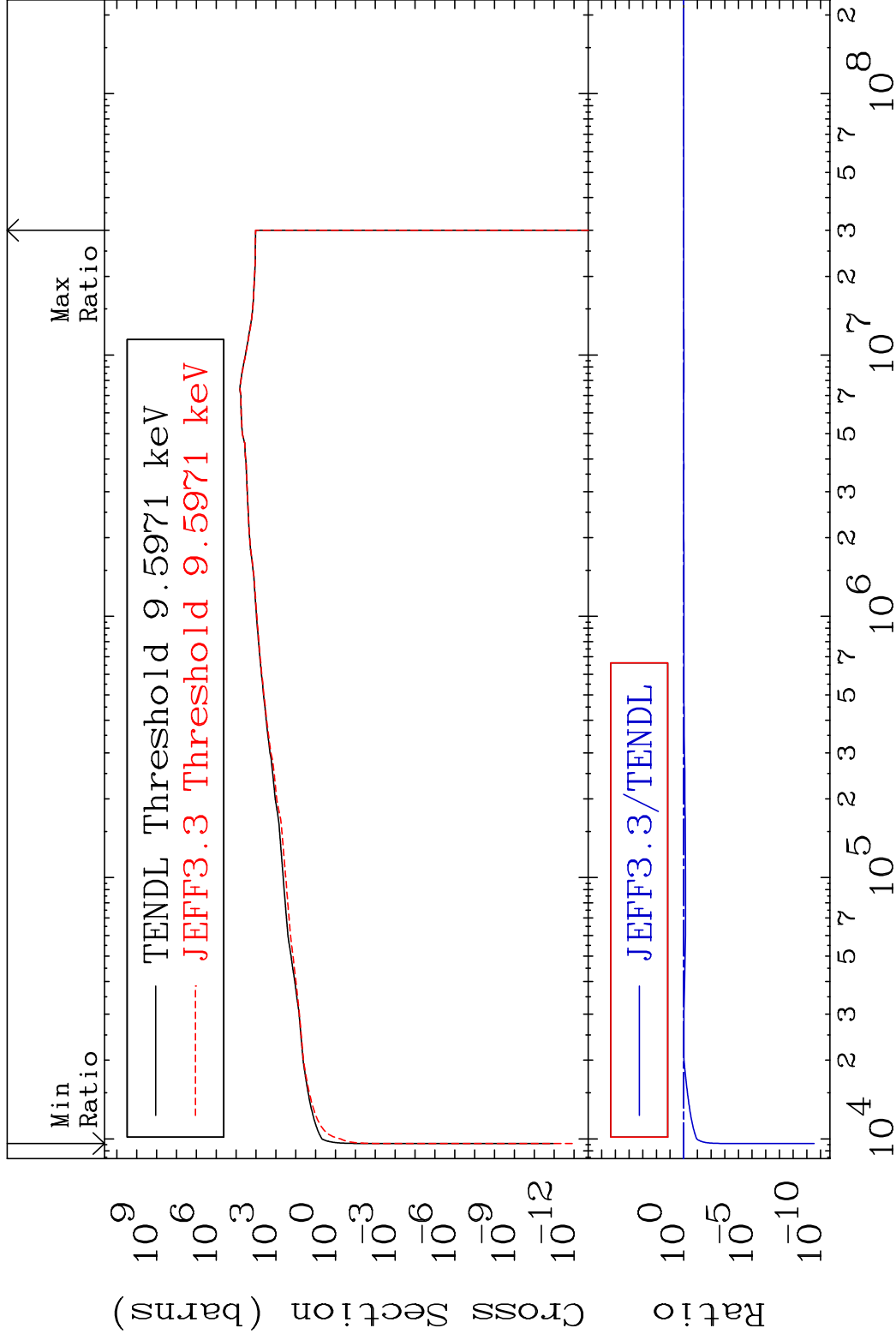
78-Pt-191

MAT 7828

Dpa inelastic (mt51-91)

78-Pt-191

Cross Section -100.0 To 1.464 %

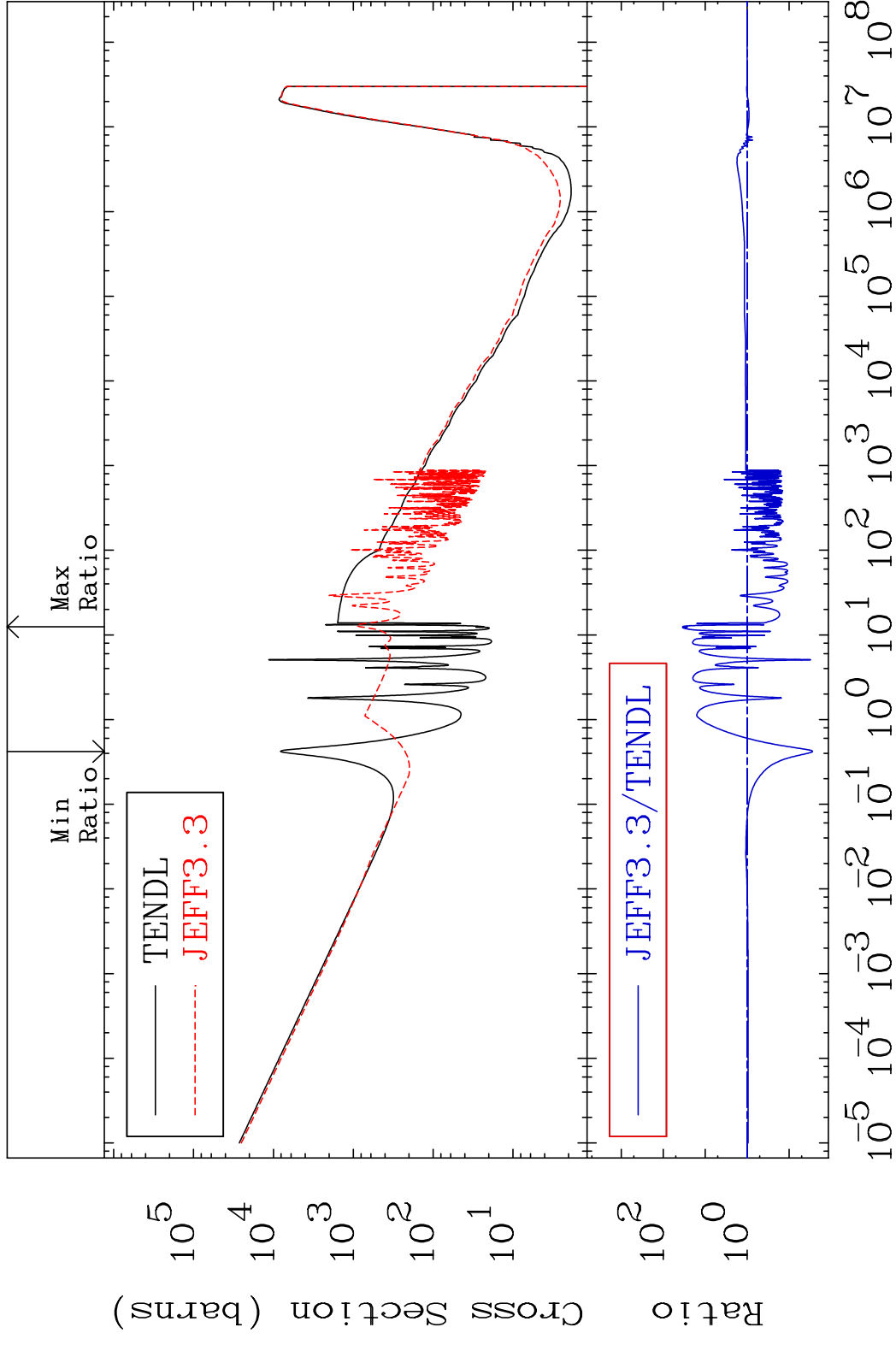


78

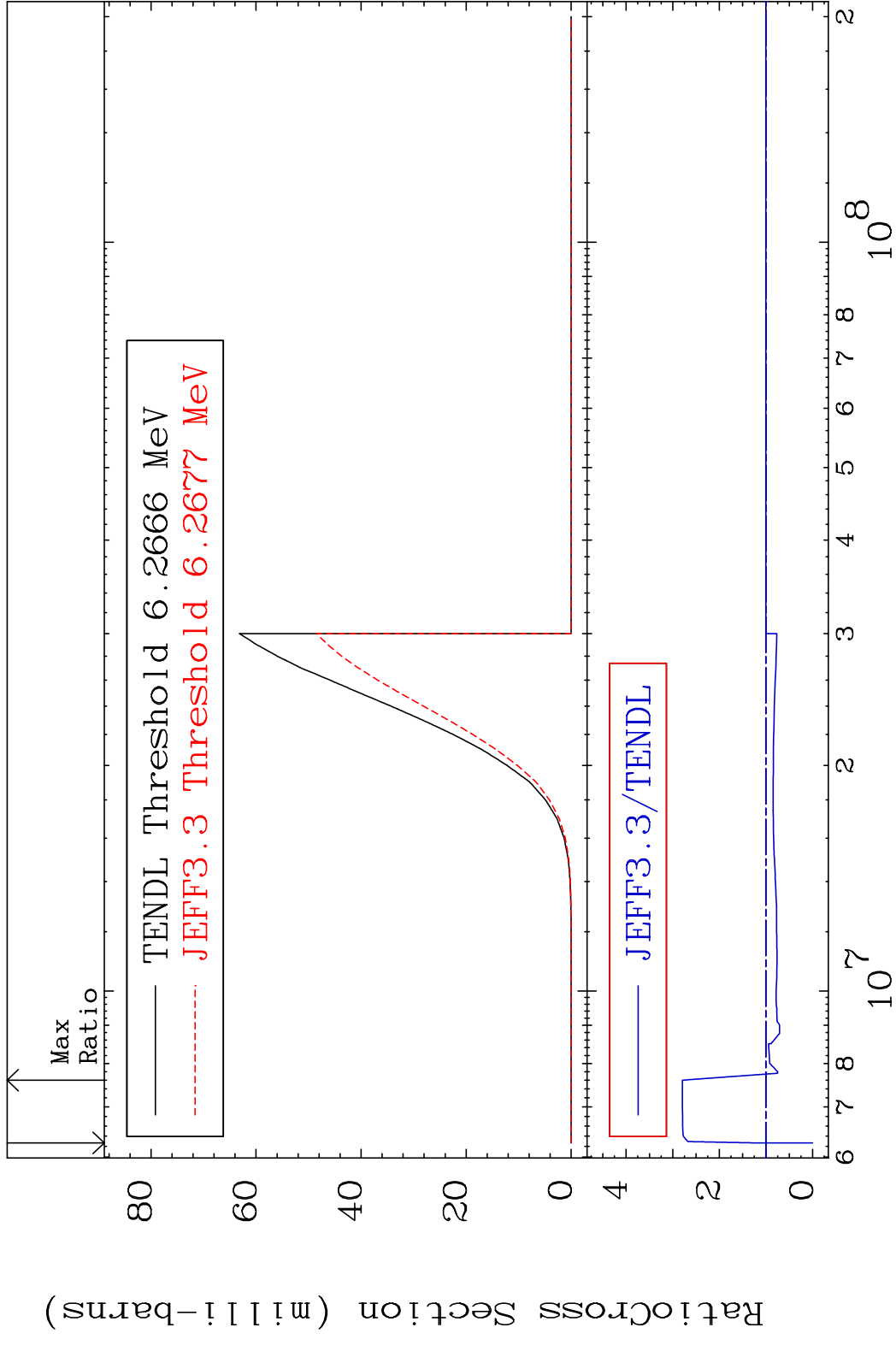
Incident Energy (eV)

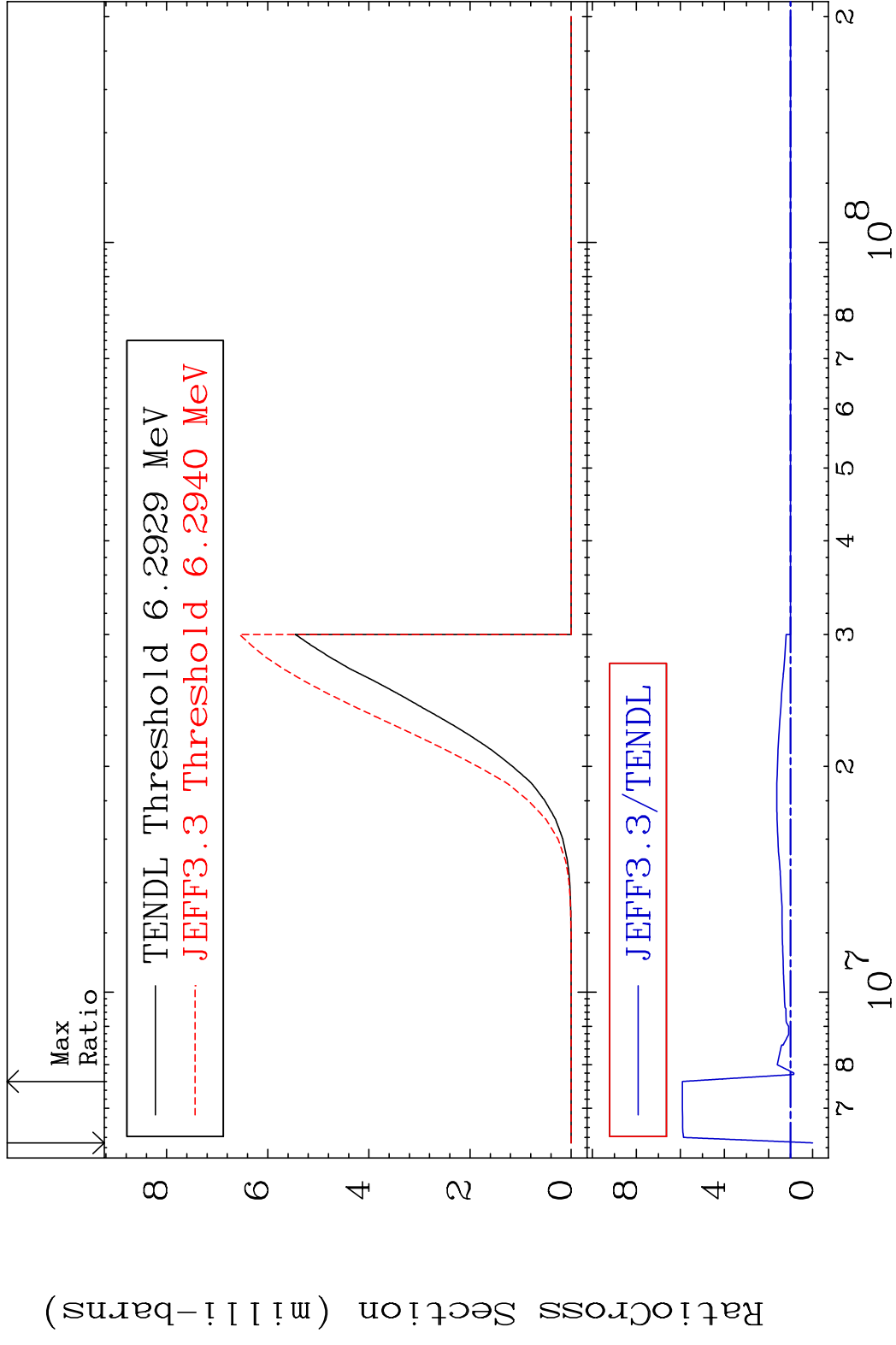
78-Pt-191

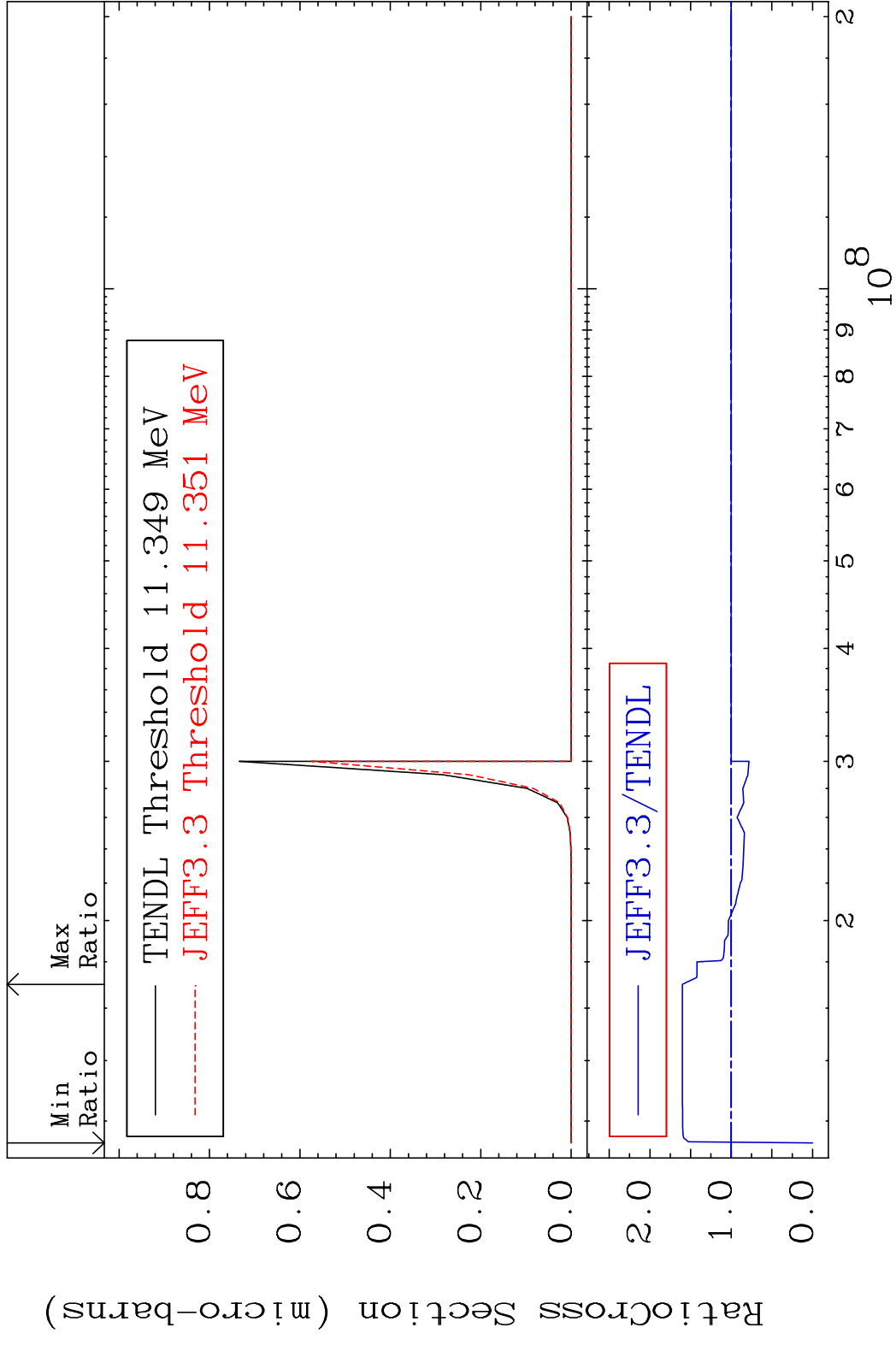
MAT 7828 Dpa disappearance (mt102 -120) 78-Pt-191  
 Cross Section -97.24 To 3386. %

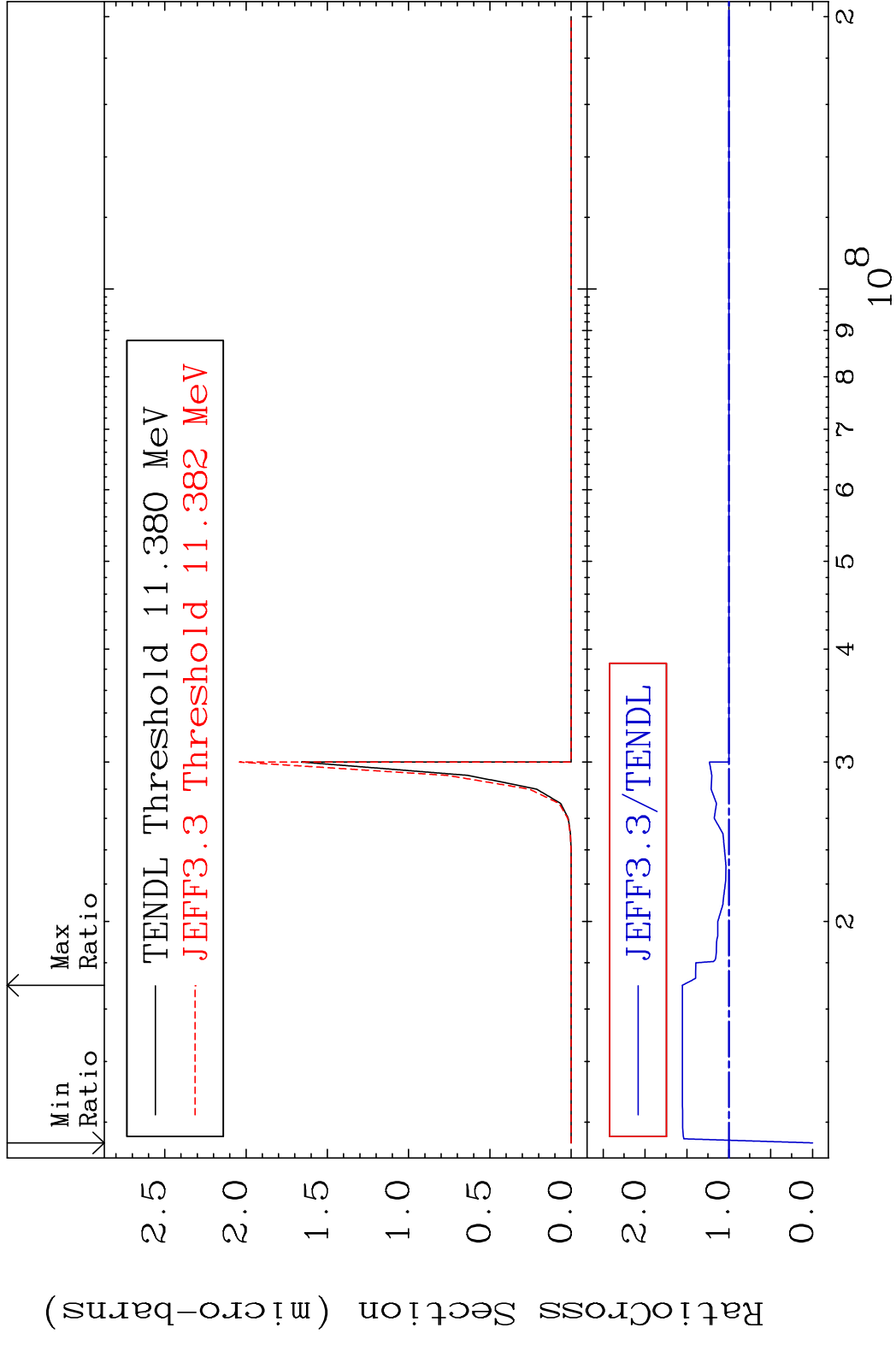


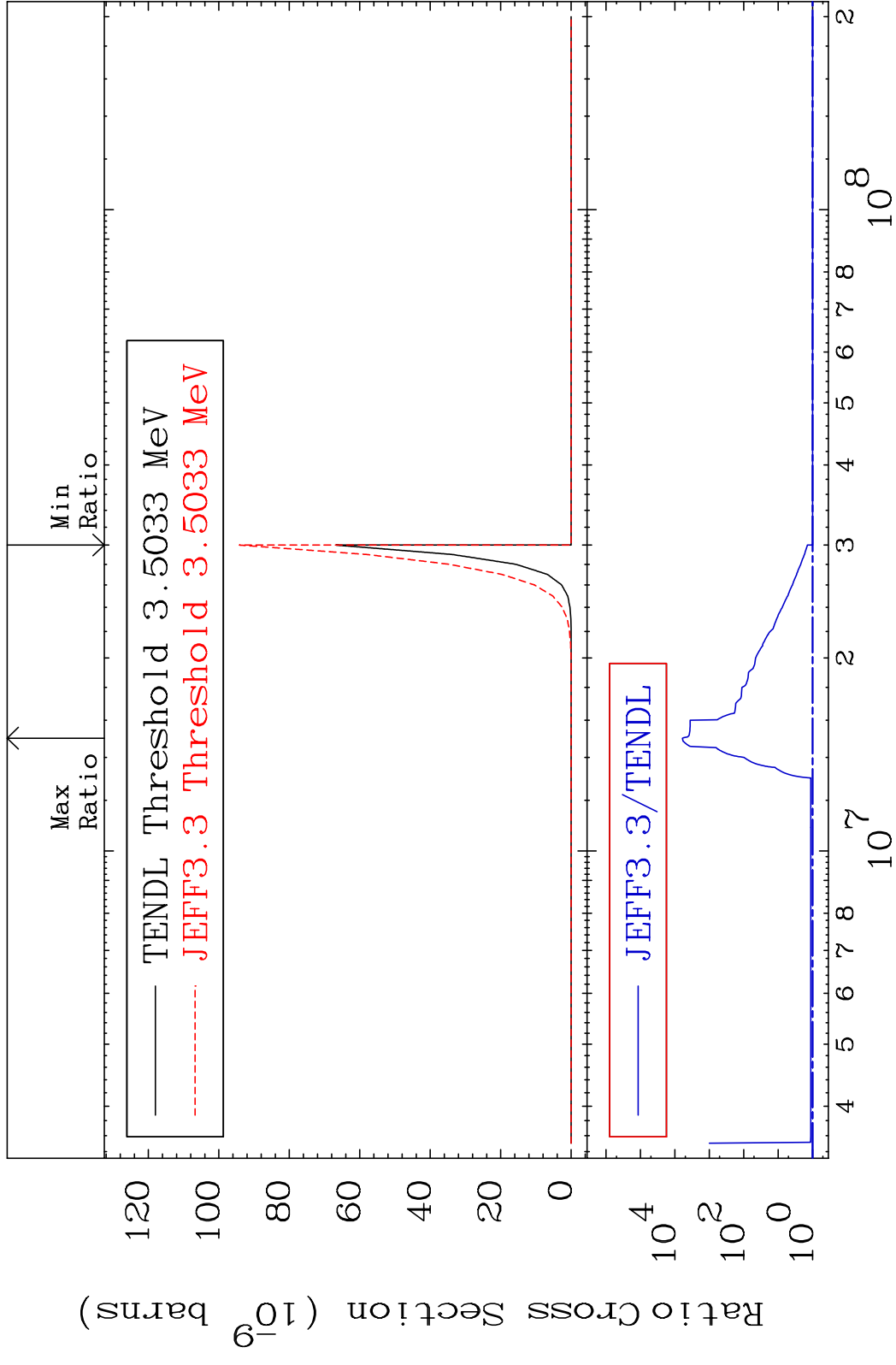


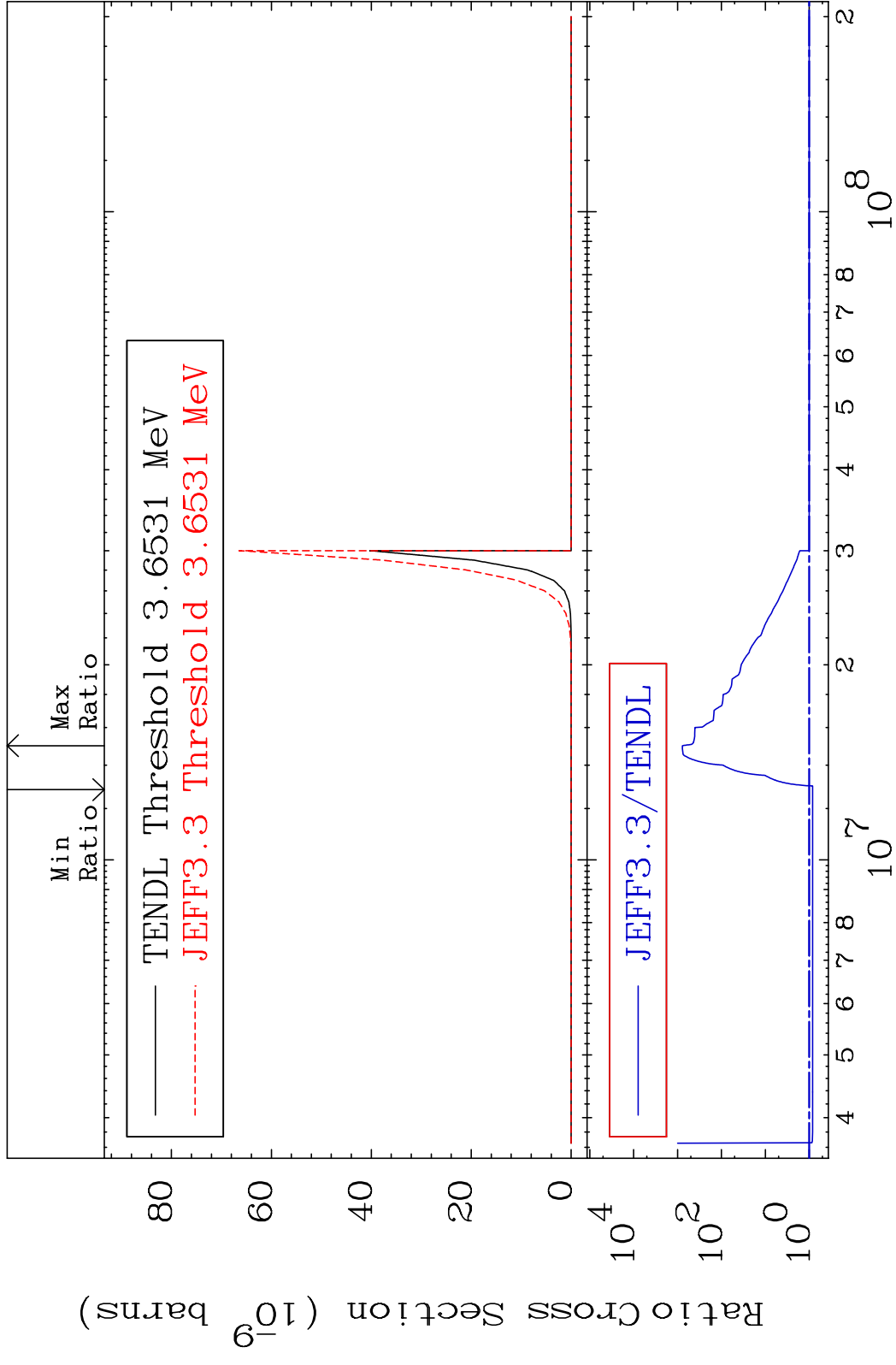




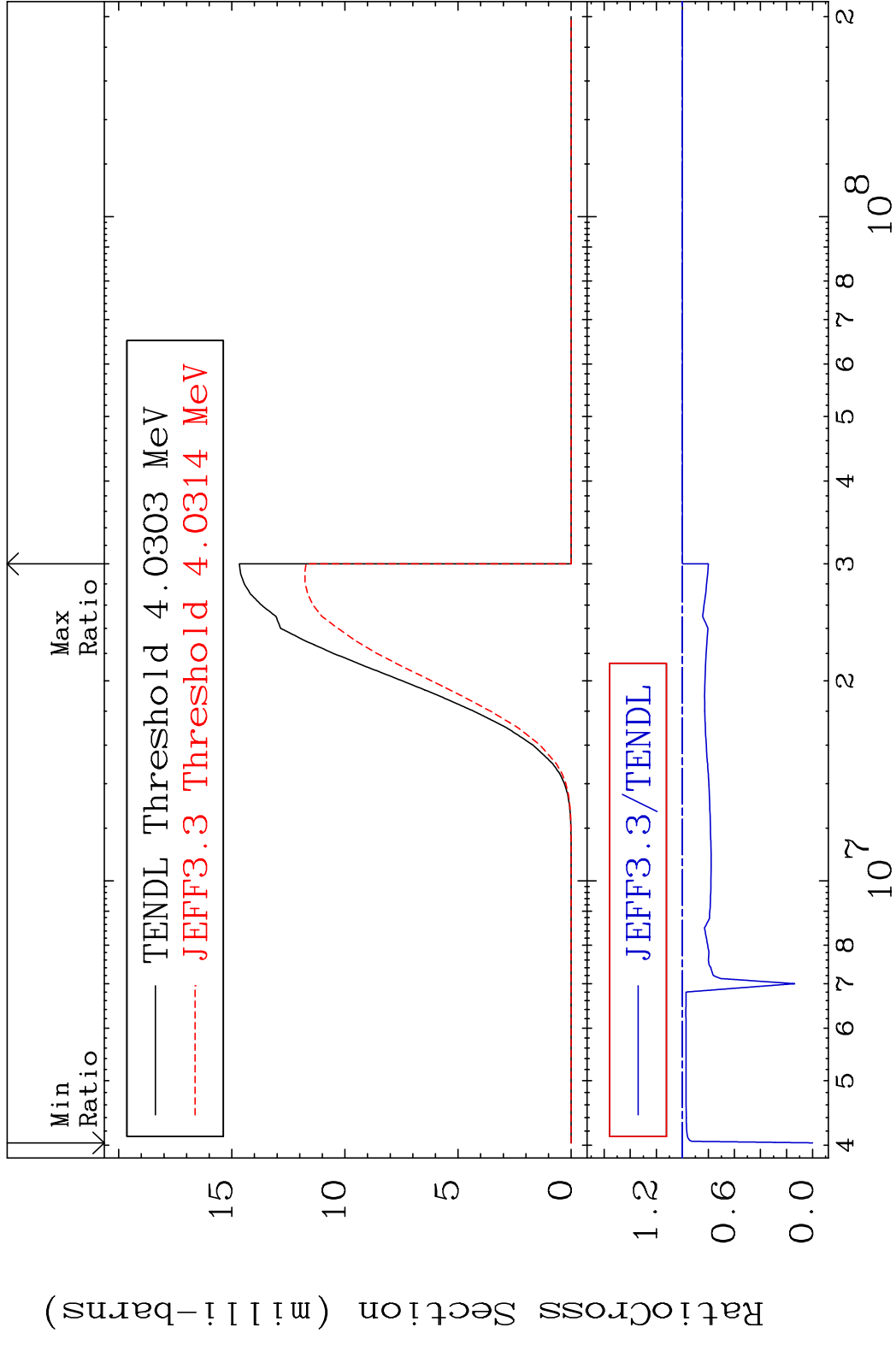




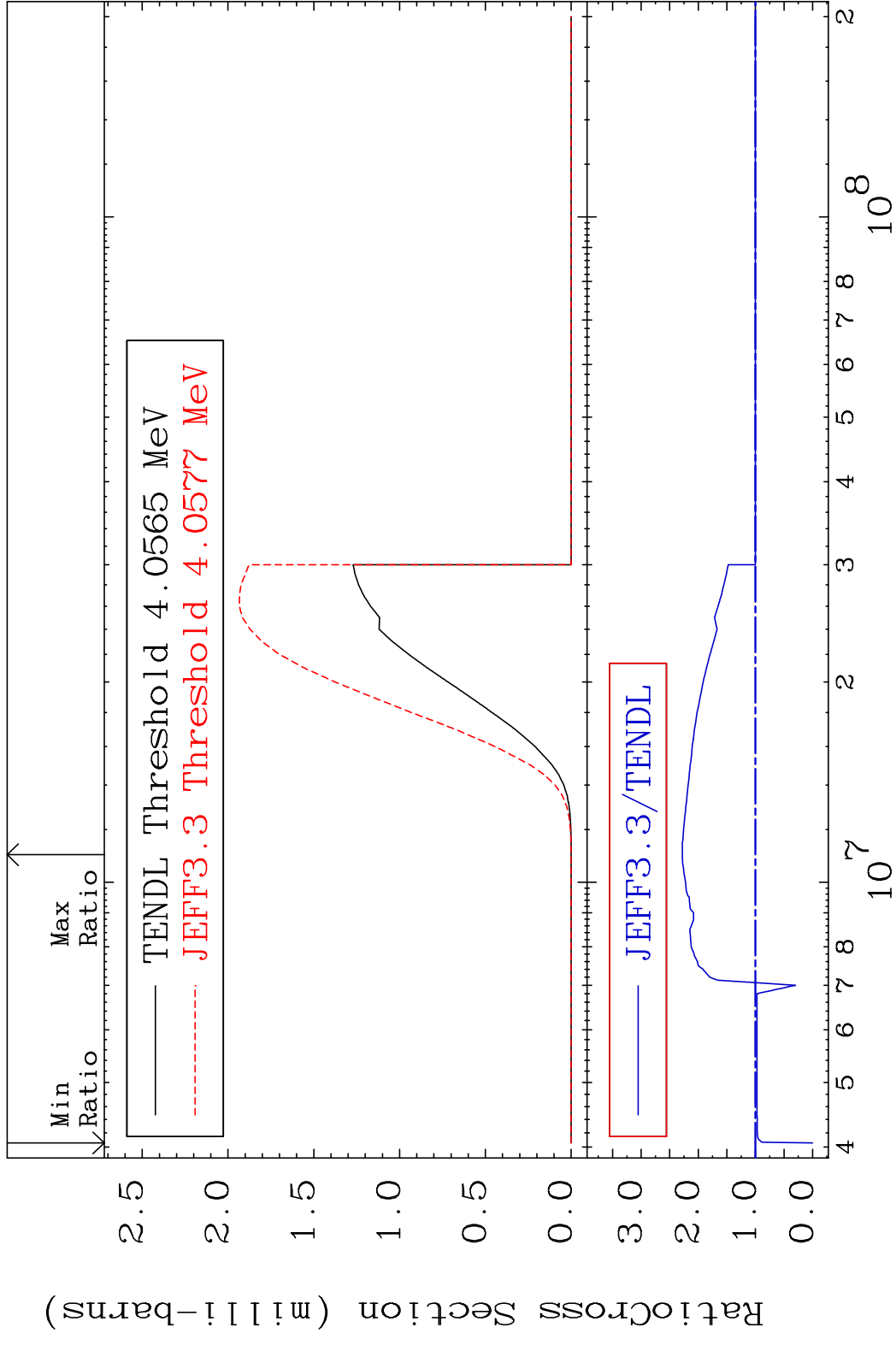




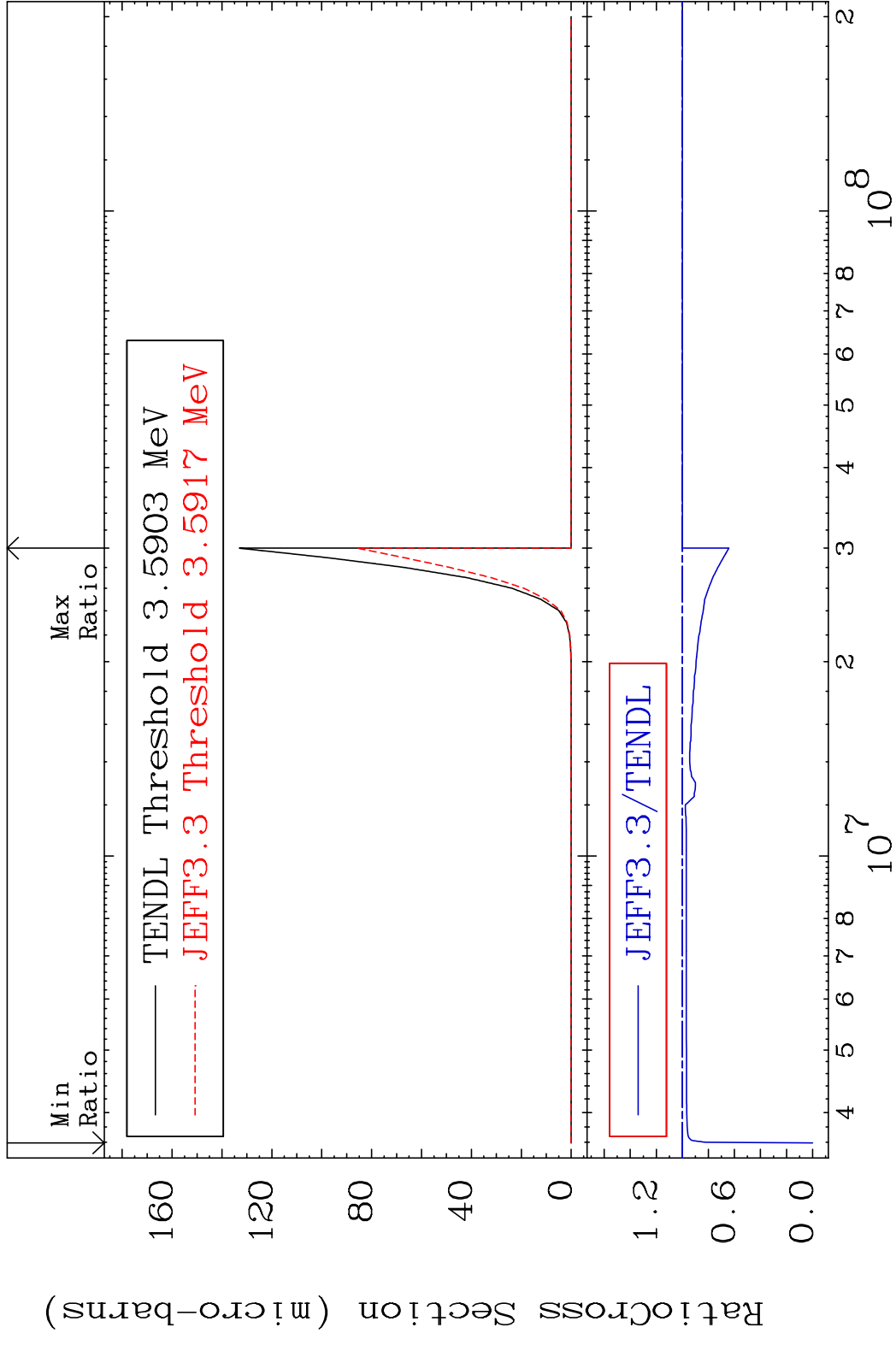
MAT 7828 (n,d):77-Ir-190g 78-Pt-191  
 Radionuclide Production Cross Section 180.01 dth 0.000 %

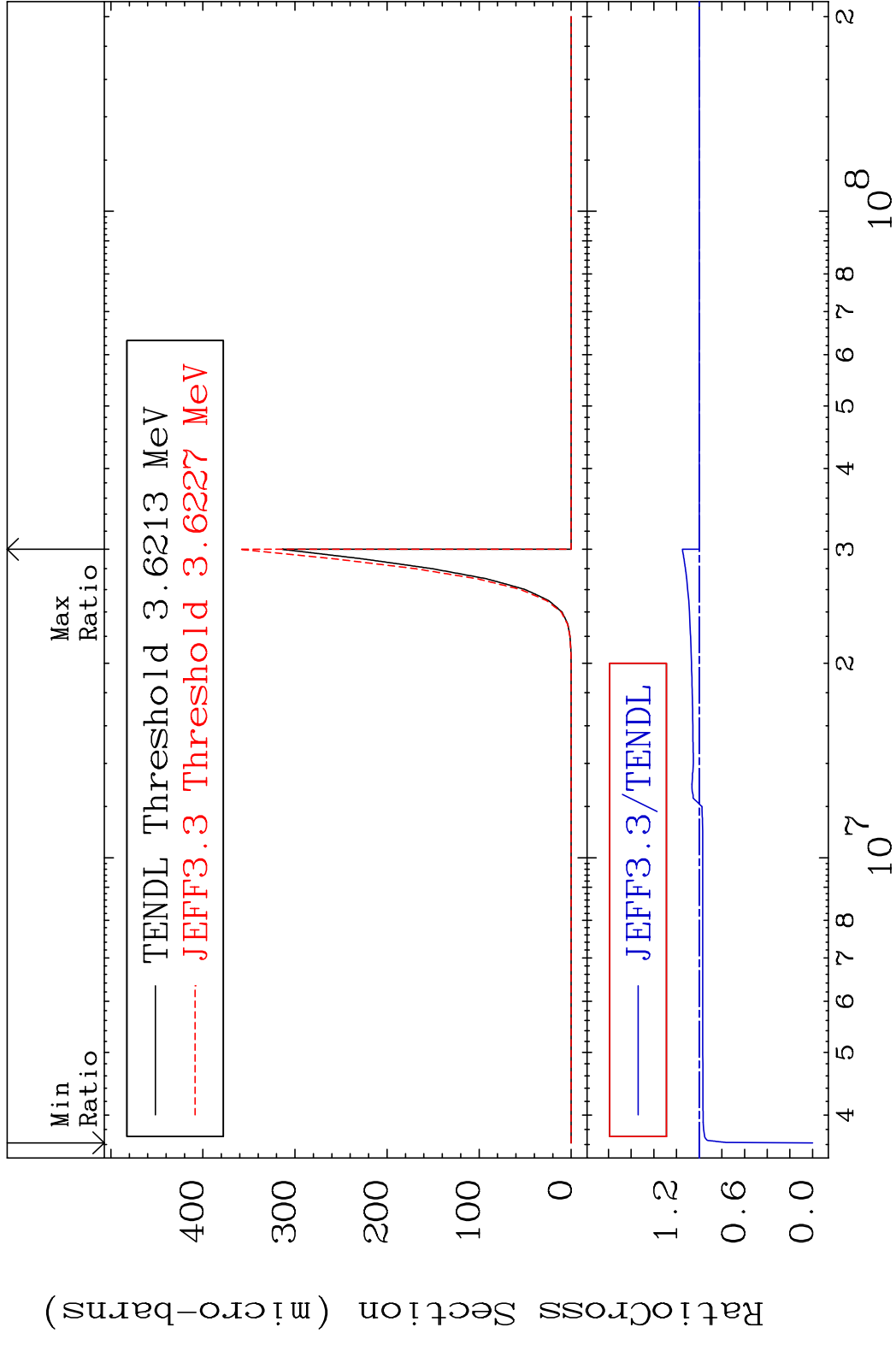


MAT 7828 (n,d):77-Ir-190m2 78-Pt-191  
 Radionuclide Production Cross Section 180.01 dth 127.9 %

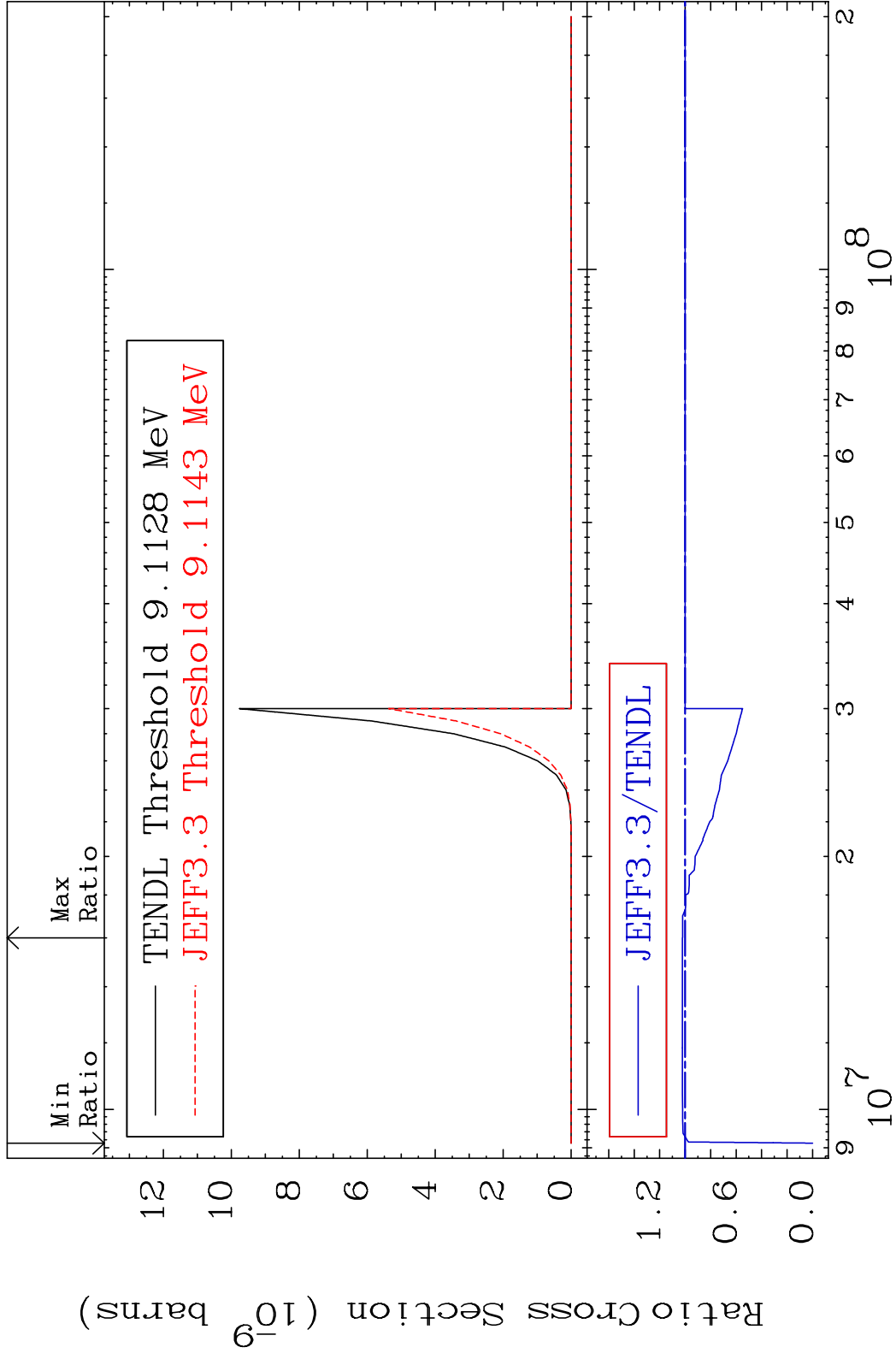








MAT 7828 (n,p) d:76-Os-189g 78-Pt-191  
 Radionuclide Production Cross Section Ratio 2.203 %



90 Incident Energy (eV) 78-Pt-191

