

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

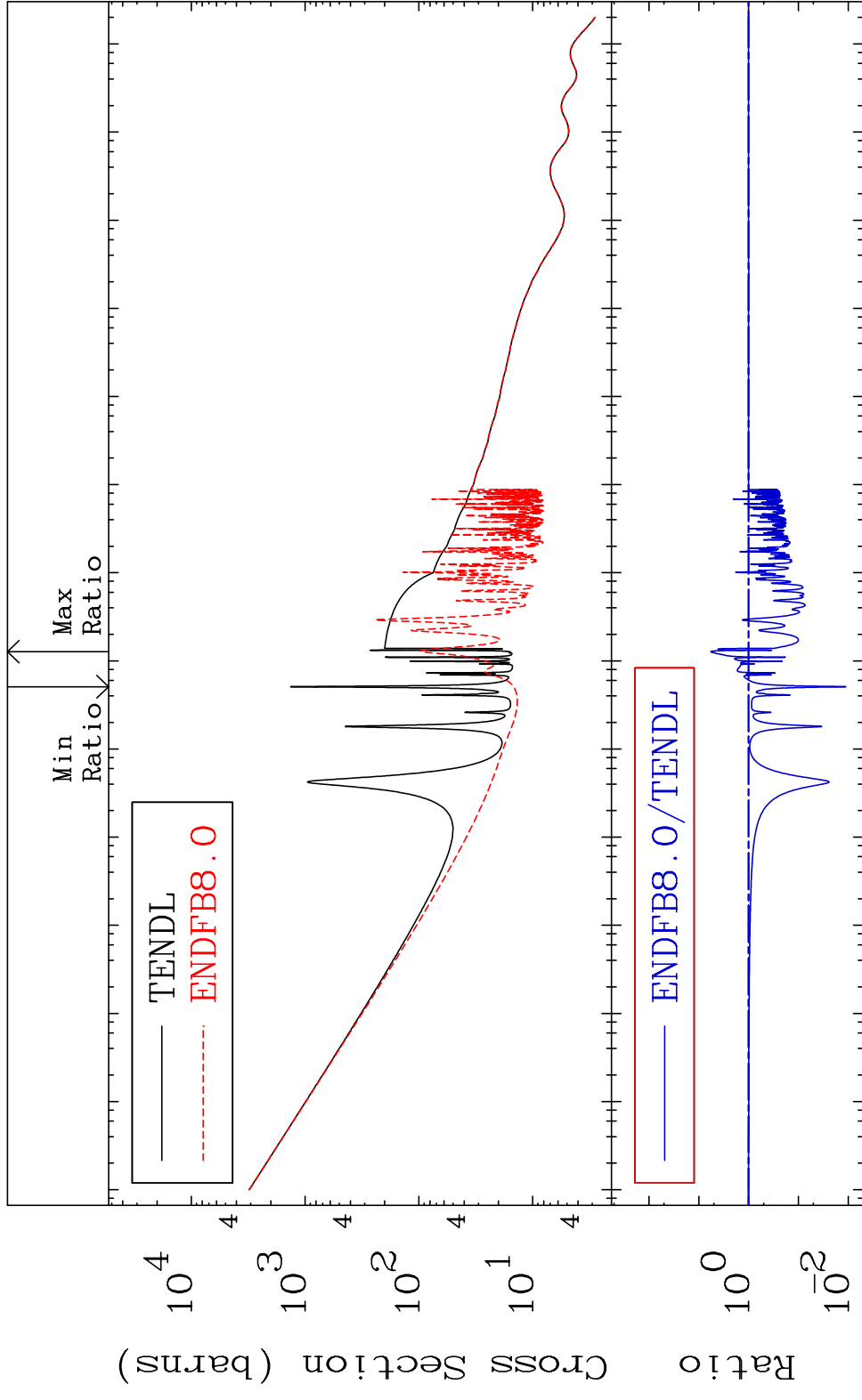
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7828

Total Cross Section -98.91 To 475.9 %

78-Pt-191



78-Pt-191

Incident Energy (eV)

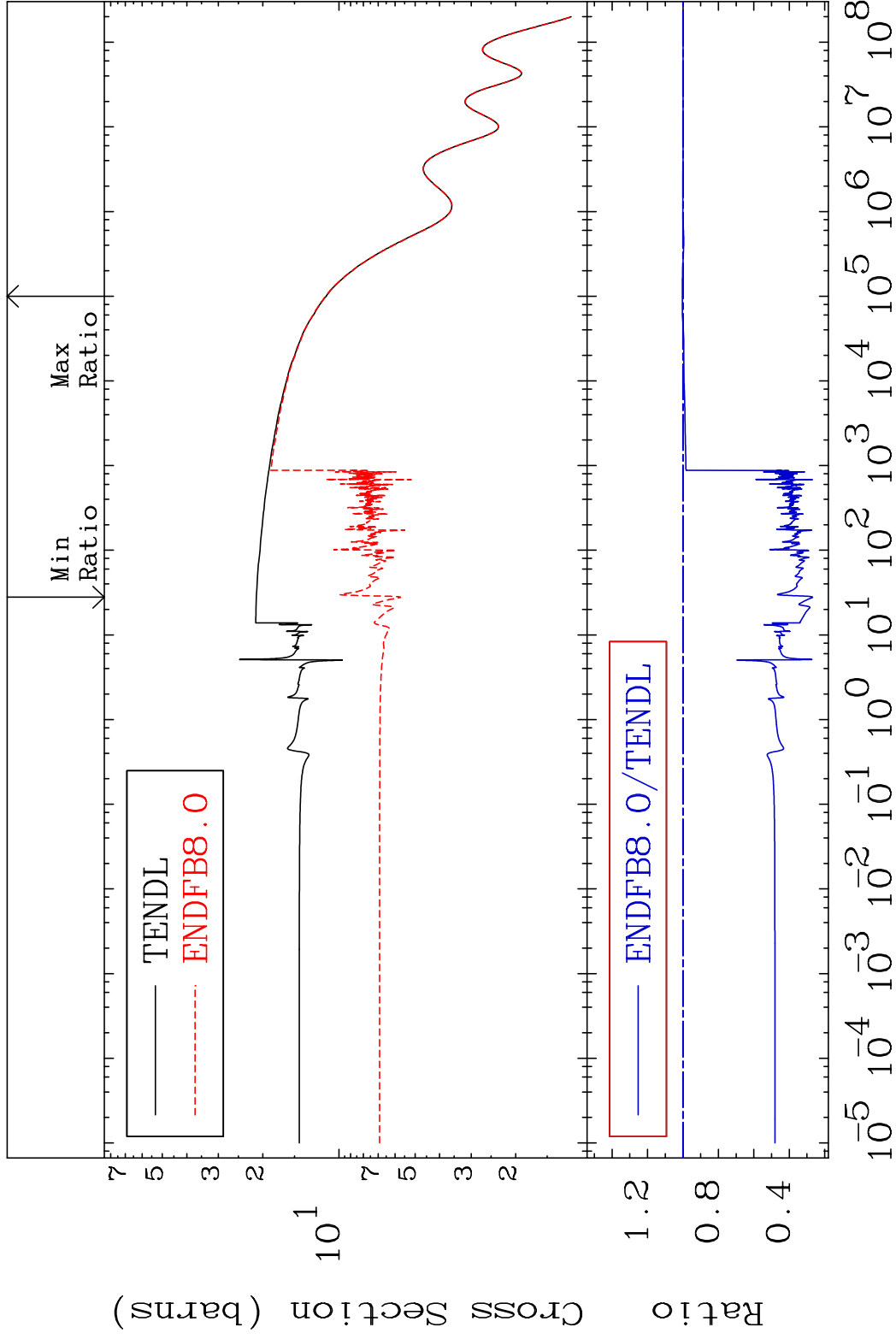
1

MAT 7828

Elastic

78-Pt-191

Cross Section -73.13 To 0.343 %

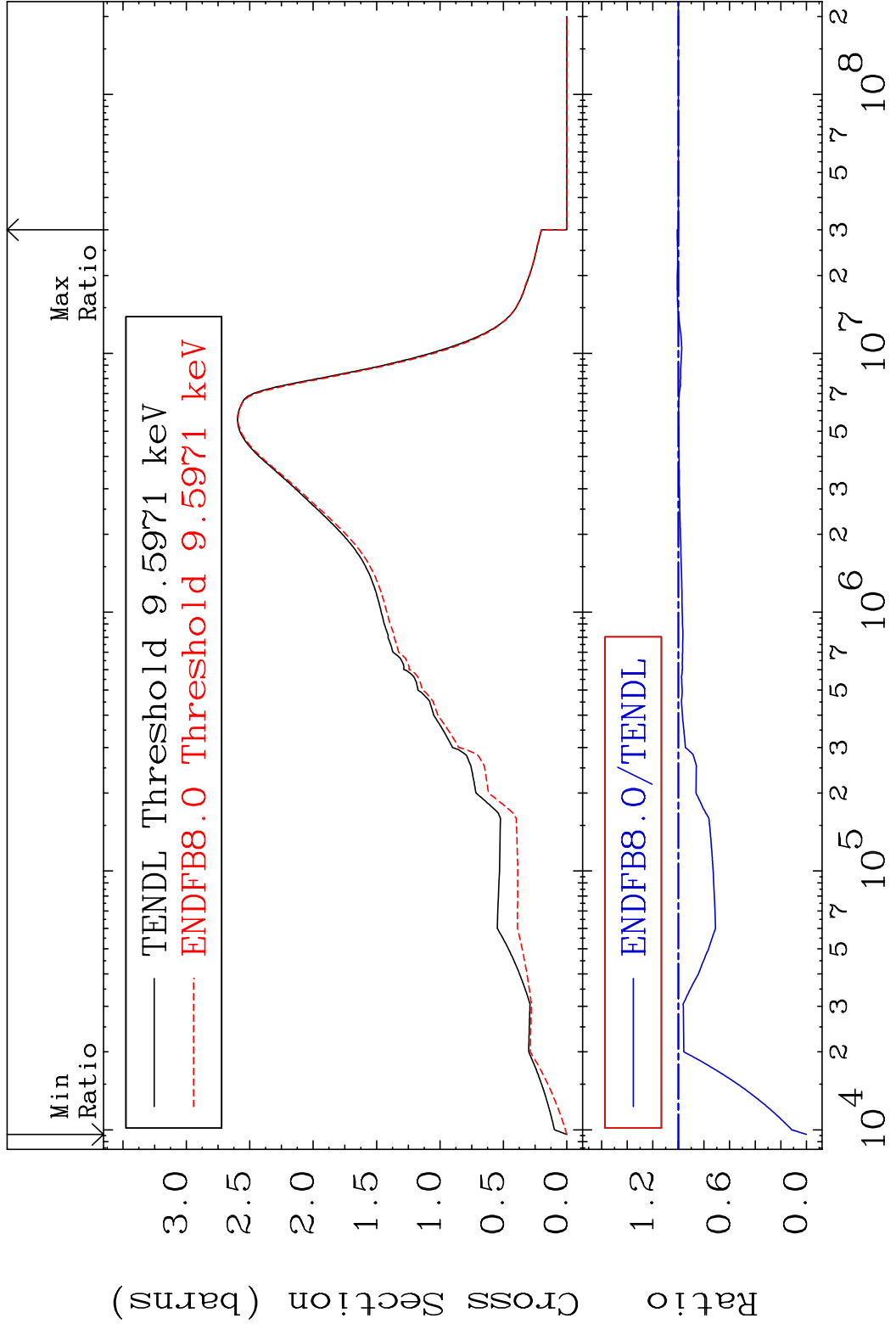


2

Incident Energy (eV)

78-Pt-191

MAT 7828                      Inelastic                      78-Pt-191  
 Cross Section                      -100.0 To 0.962 %

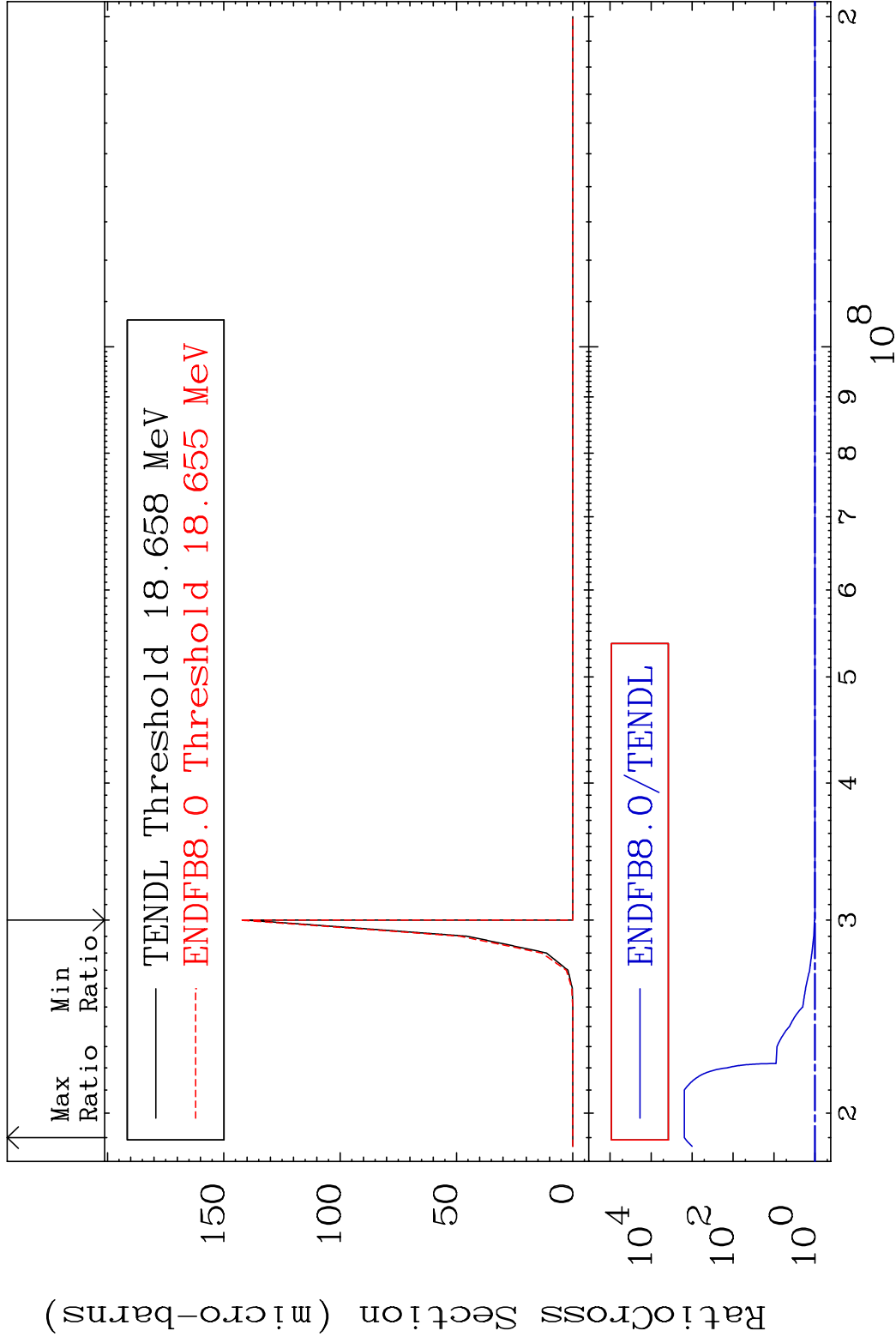


MAT 7828

(n,2n) d

78-Pt-191

Cross Section 0.000 To 9999. %



4

Incident Energy (eV)

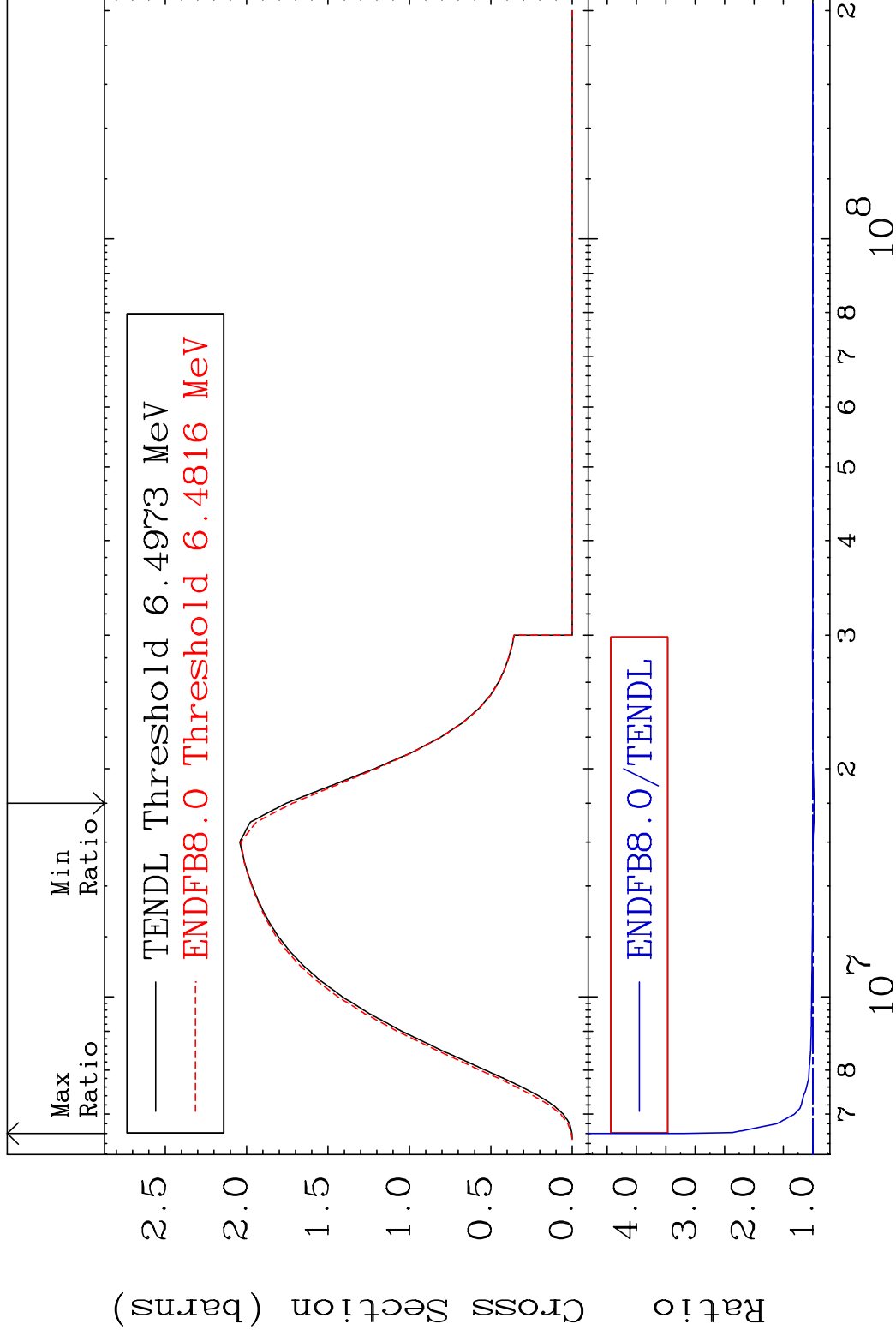
78-Pt-191

MAT 7828

(n,2n)

78-Pt-191

Cross Section -2.213 To 219.7 %



5

Incident Energy (eV)

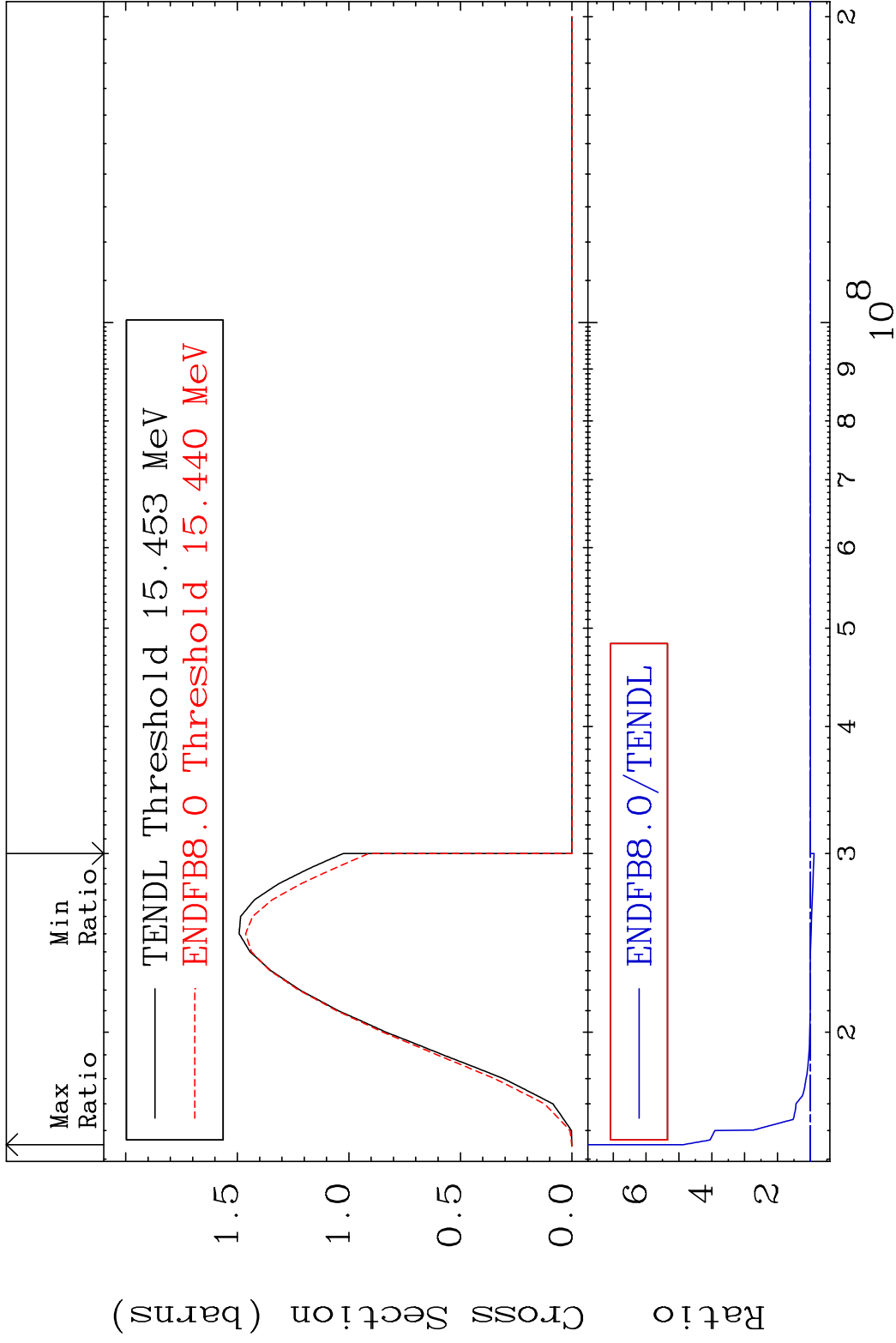
78-Pt-191

MAT 7828

(n,3n)

78-Pt-191

Cross Section -11.14 To 386.2 %



6

Incident Energy (eV)

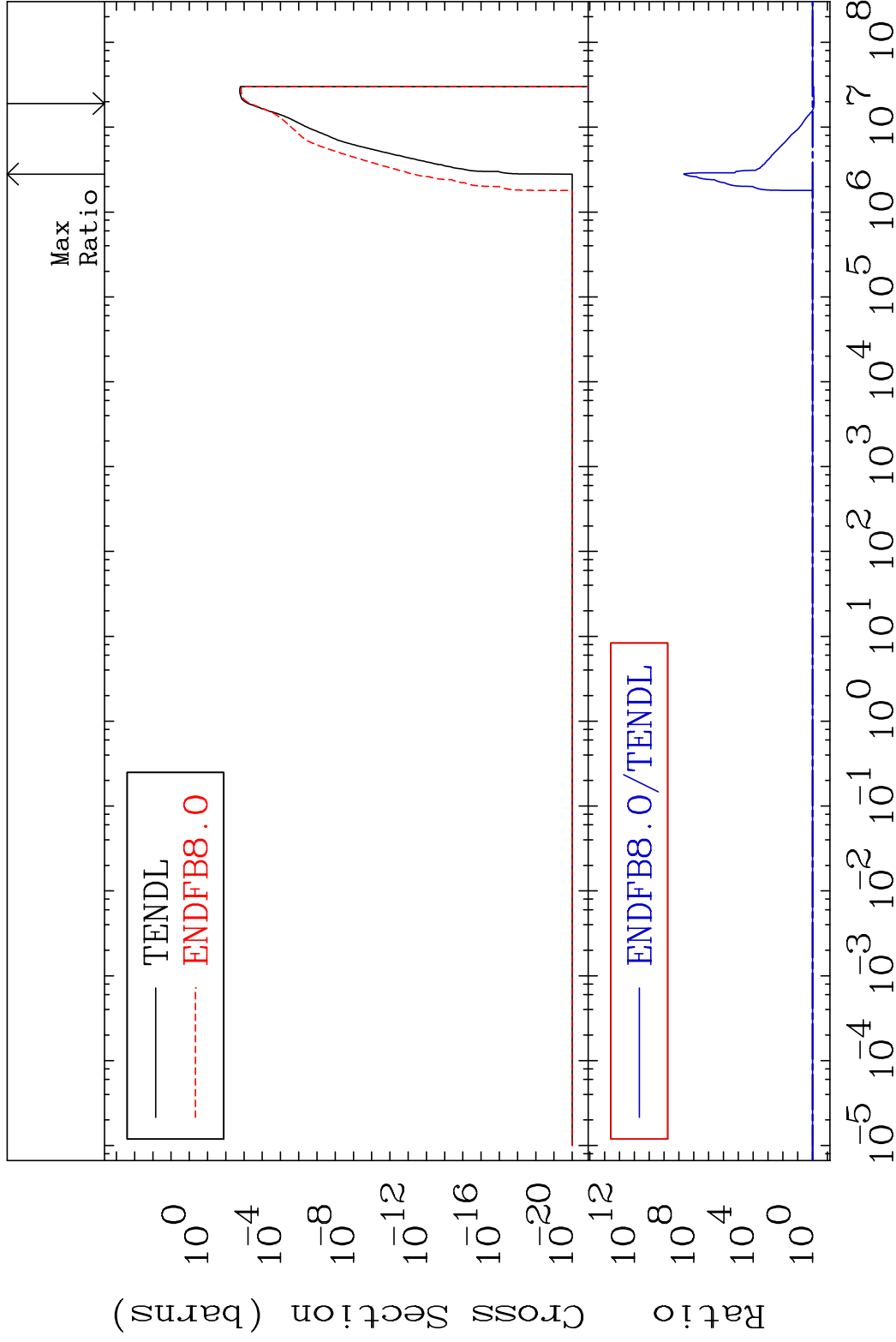
78-Pt-191

MAT 7828

(n, n')  $\alpha$

78-Pt-191

Cross Section -20.69 To 9999. %



7

Incident Energy (eV)

78-Pt-191

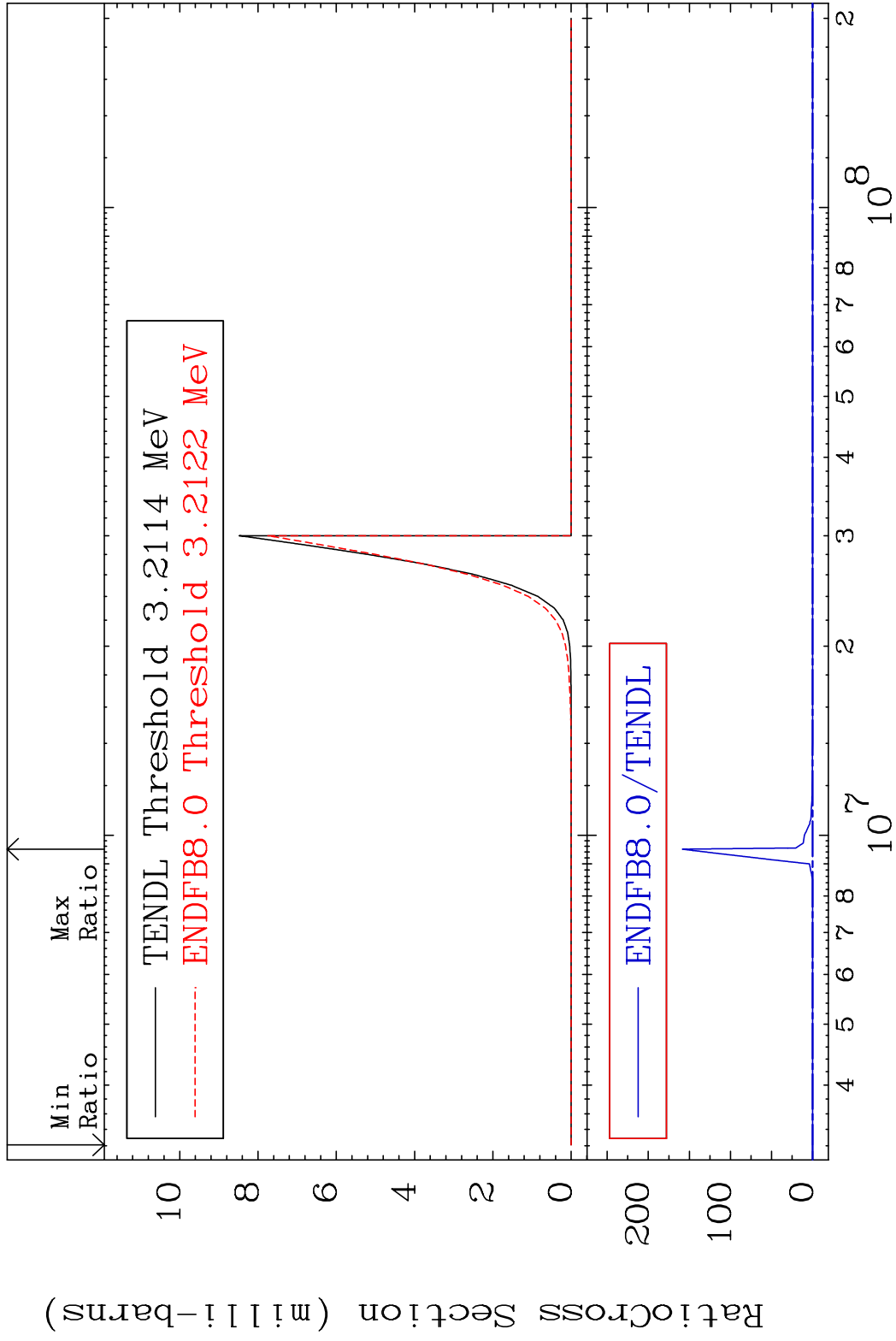


MAT 7828

(n,2n)  $\alpha$

78-Pt-191

Cross Section -100.0 To 9999. %

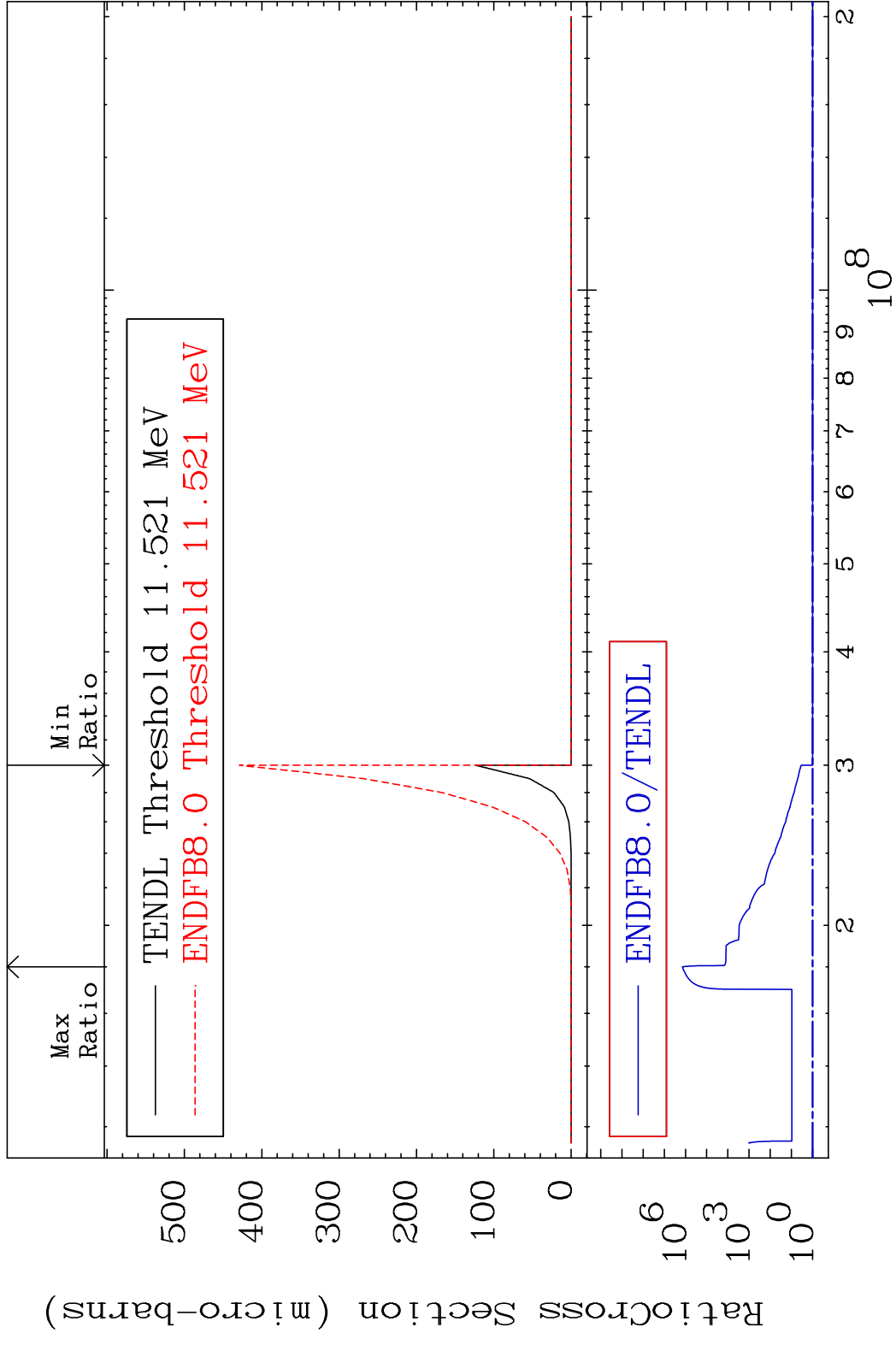


8

Incident Energy (eV)

78-Pt-191

MAT 7828 (n,3n)  $\alpha$  78-Pt-191  
 Cross Section 0.000 To 9999. %

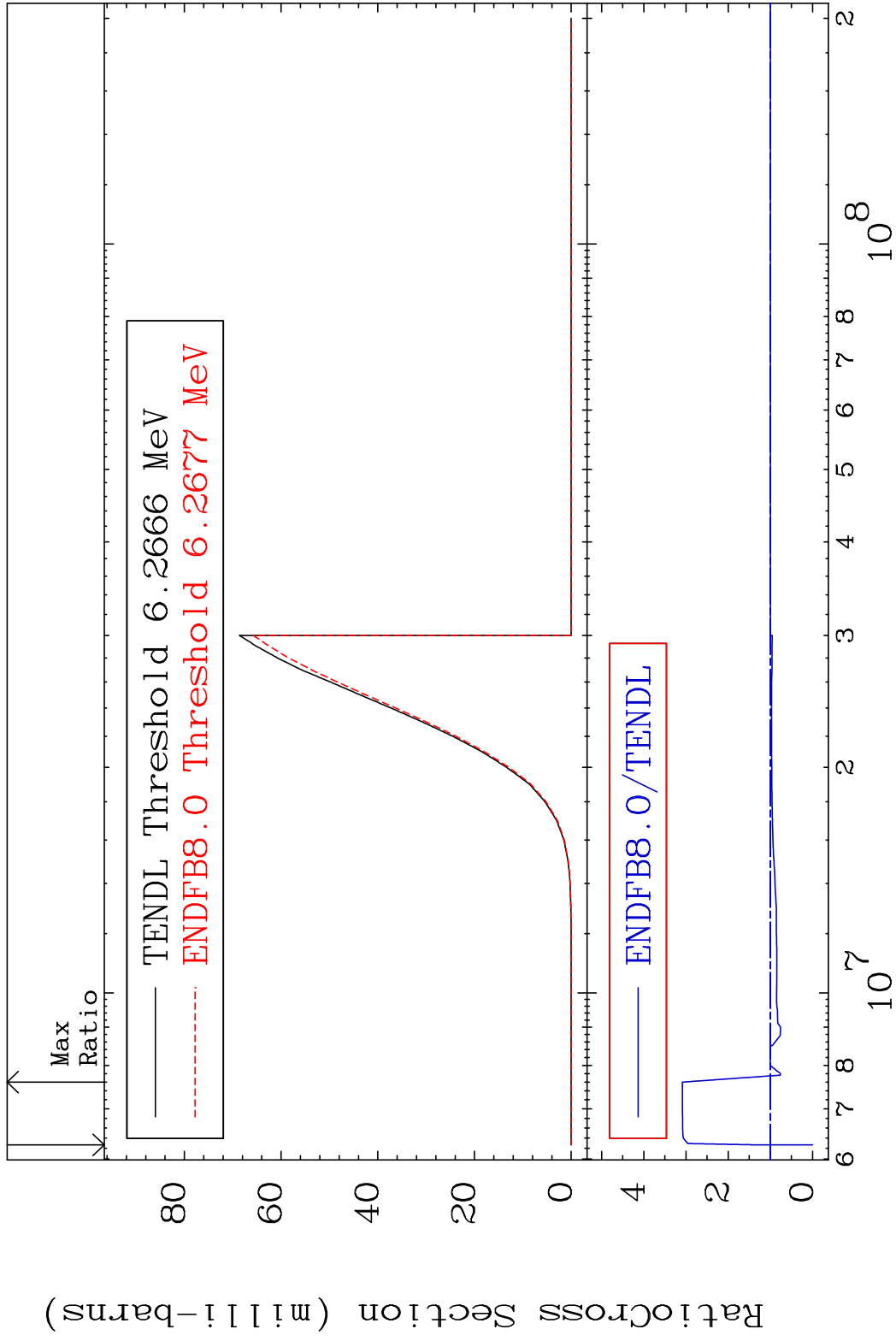


MAT 7828

(n, n') p

78-Pt-191

Cross Section -100.0 To 208.6 %



10

Incident Energy (eV)

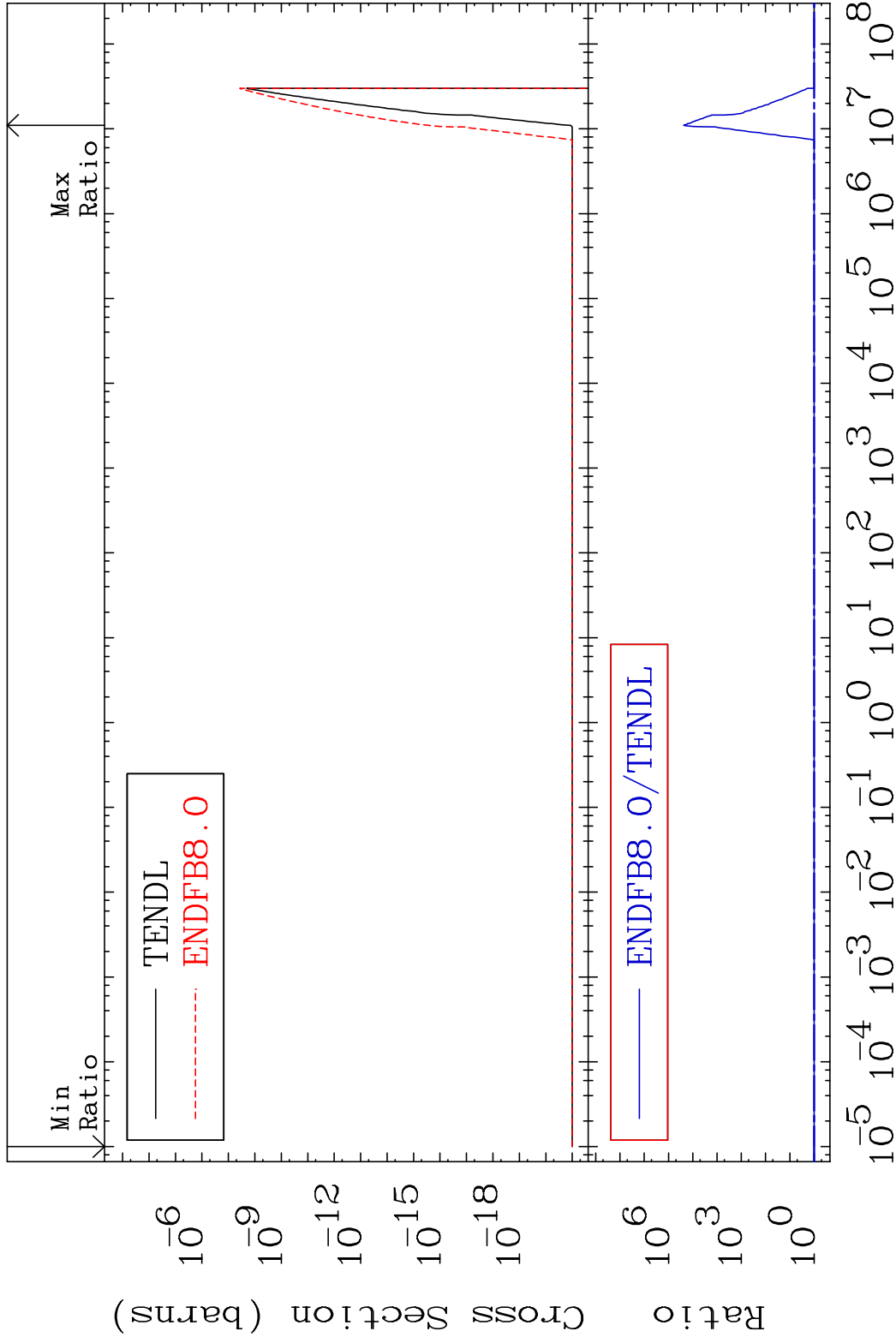
78-Pt-191

MAT 7828

(n, n') 2α

78-Pt-191

Cross Section 0.000 To 9999. %



11

Incident Energy (eV)

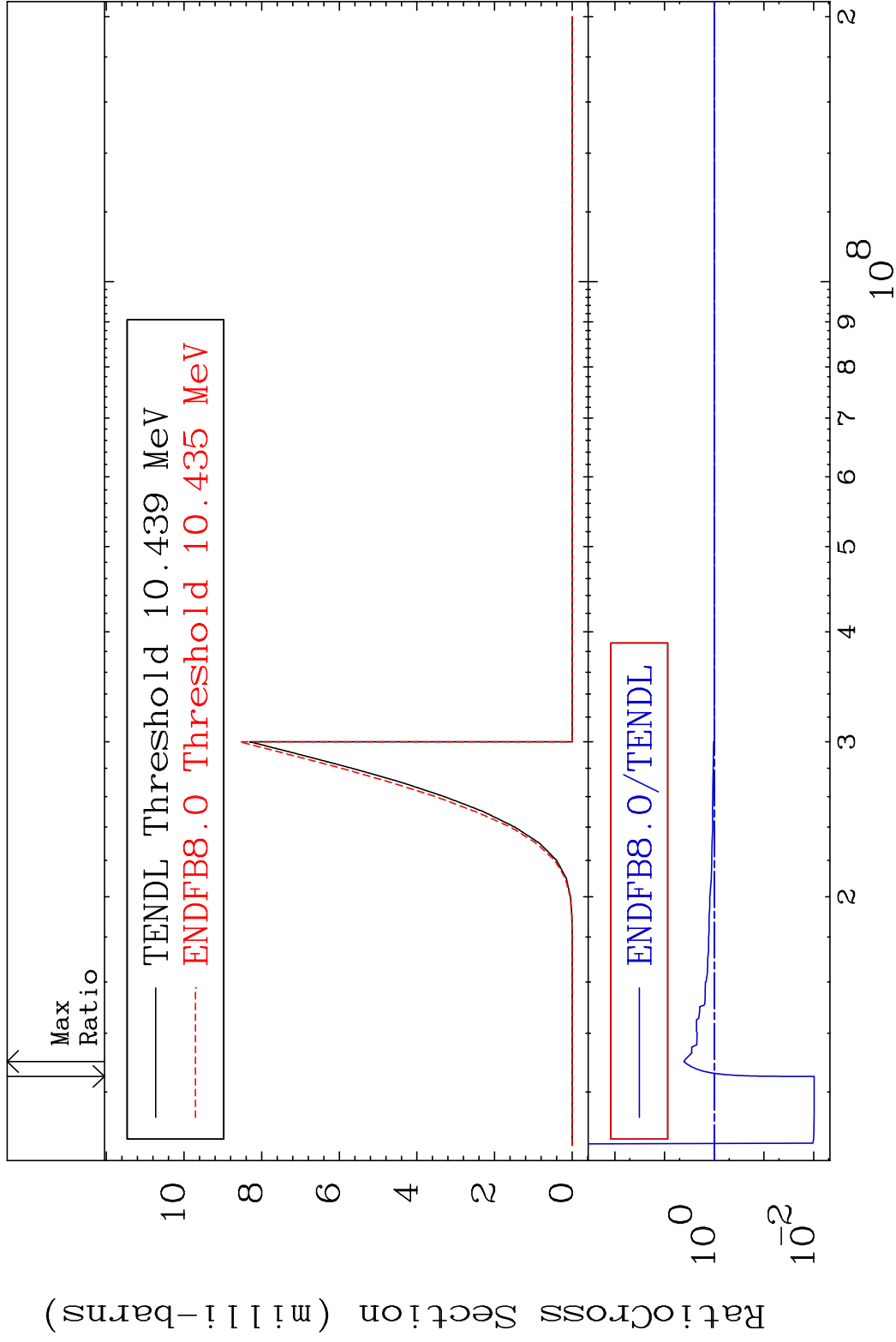
78-Pt-191

MAT 7828

(n, n') d

78-Pt-191

Cross Section -99.02 To 312.2 %



12

Incident Energy (eV)

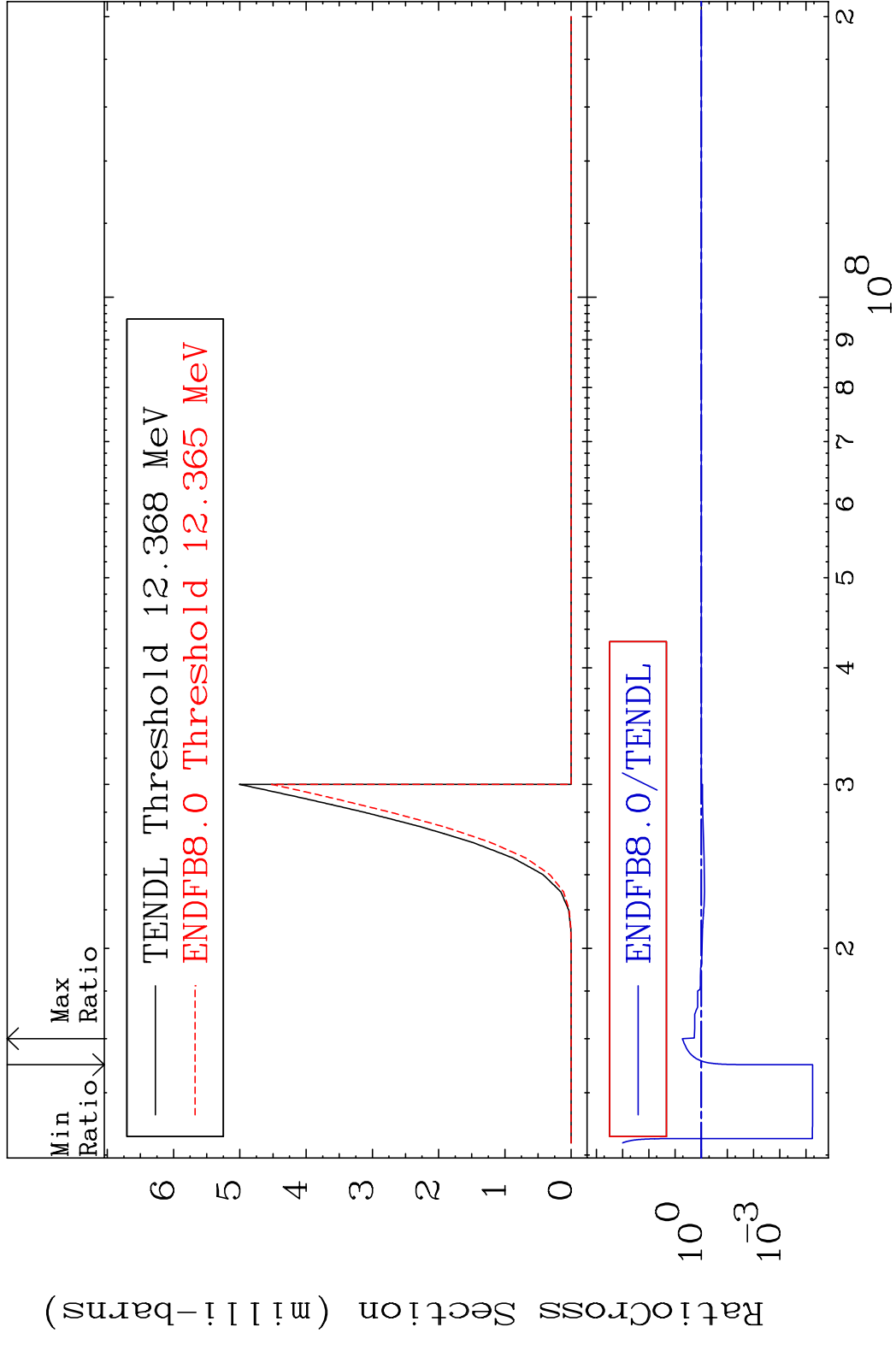
78-Pt-191

MAT 7828

(n, n') t

78-Pt-191

Cross Section -99.99 To 423.9 %

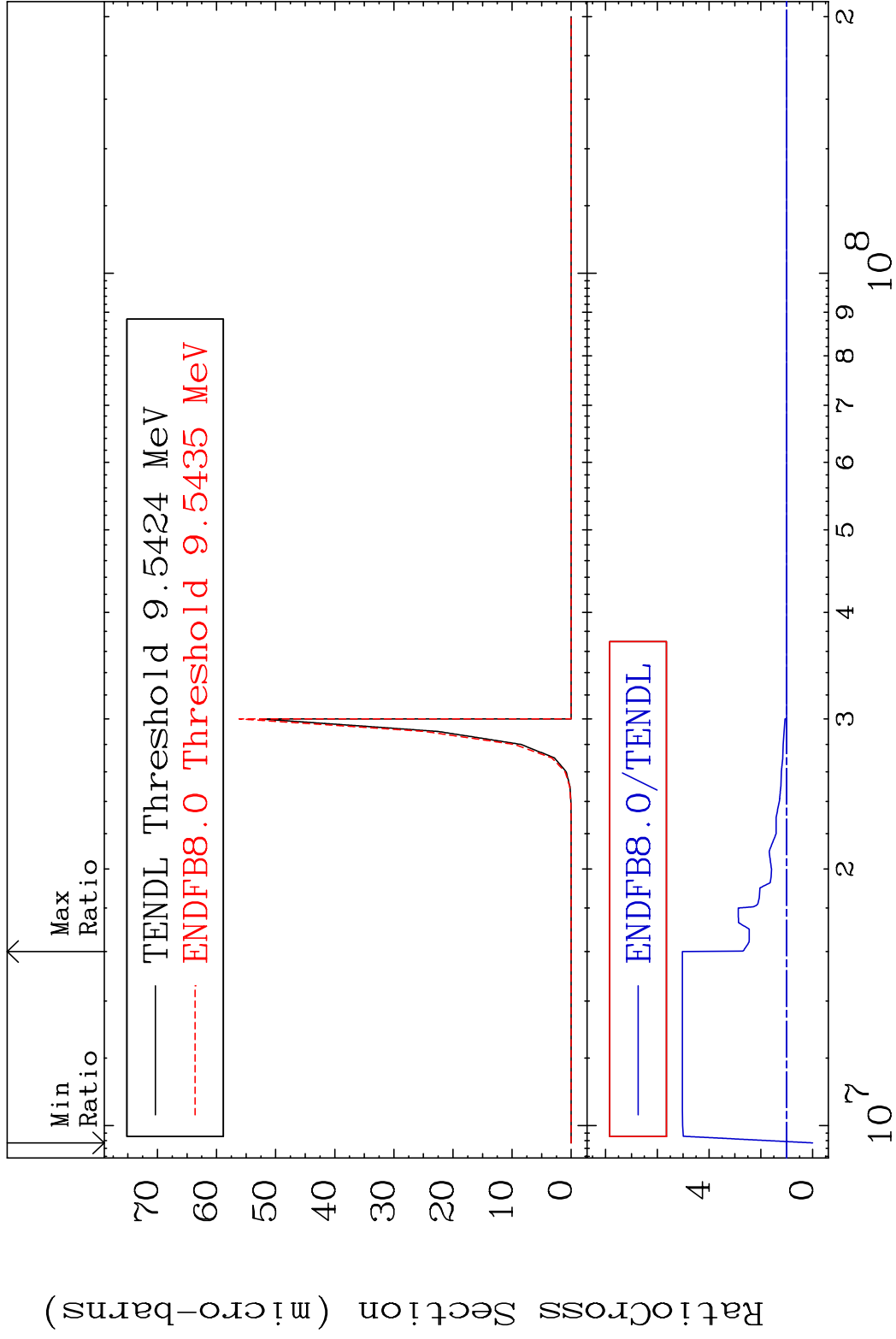


MAT 7828

(n,n') He-3

78-Pt-191

Cross Section -100.0 To 403.2 %



14

Incident Energy (eV)

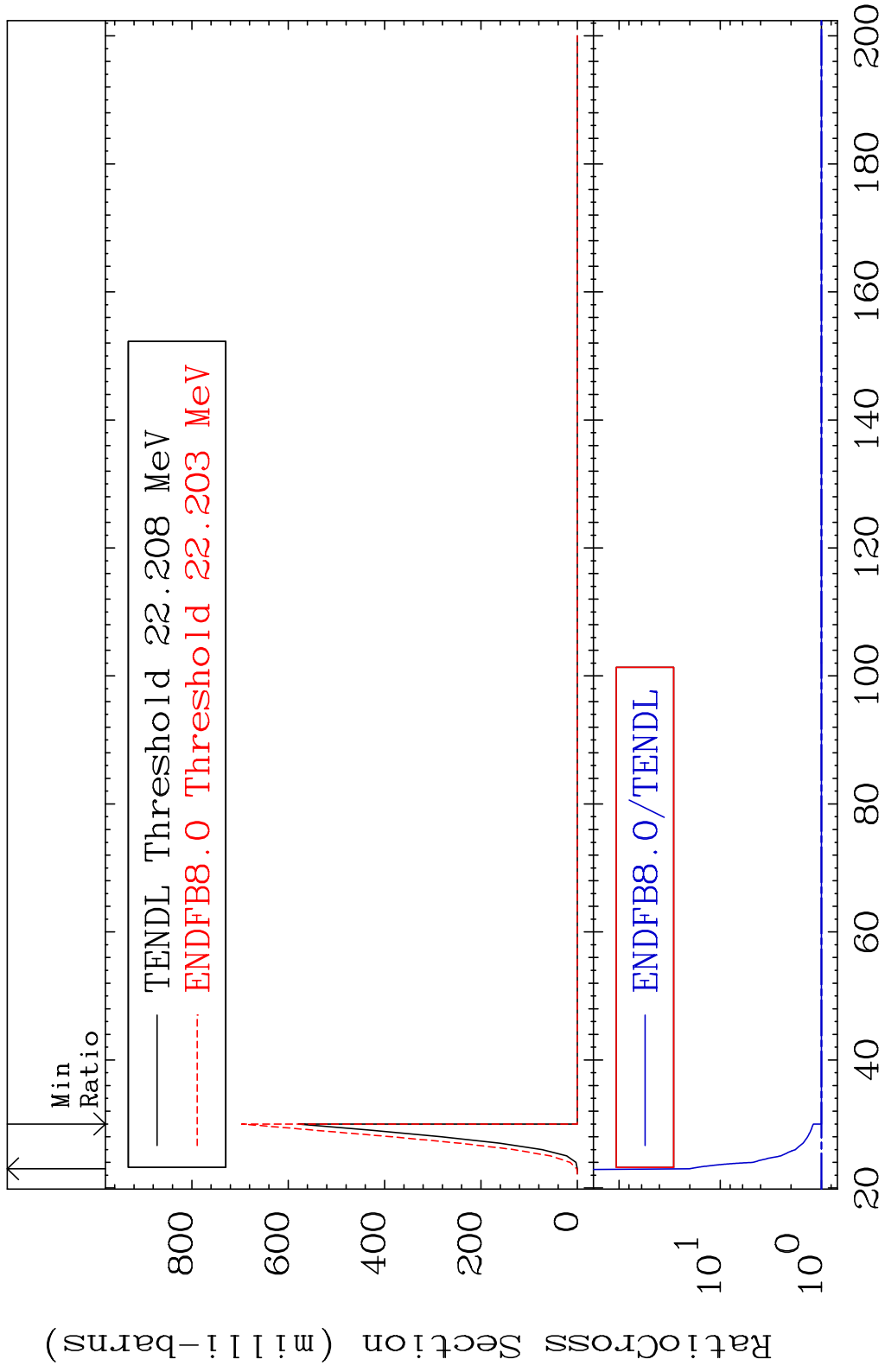
78-Pt-191

MAT 7828

(n,4n)

78-Pt-191

Cross Section 0.000 To 1902. %



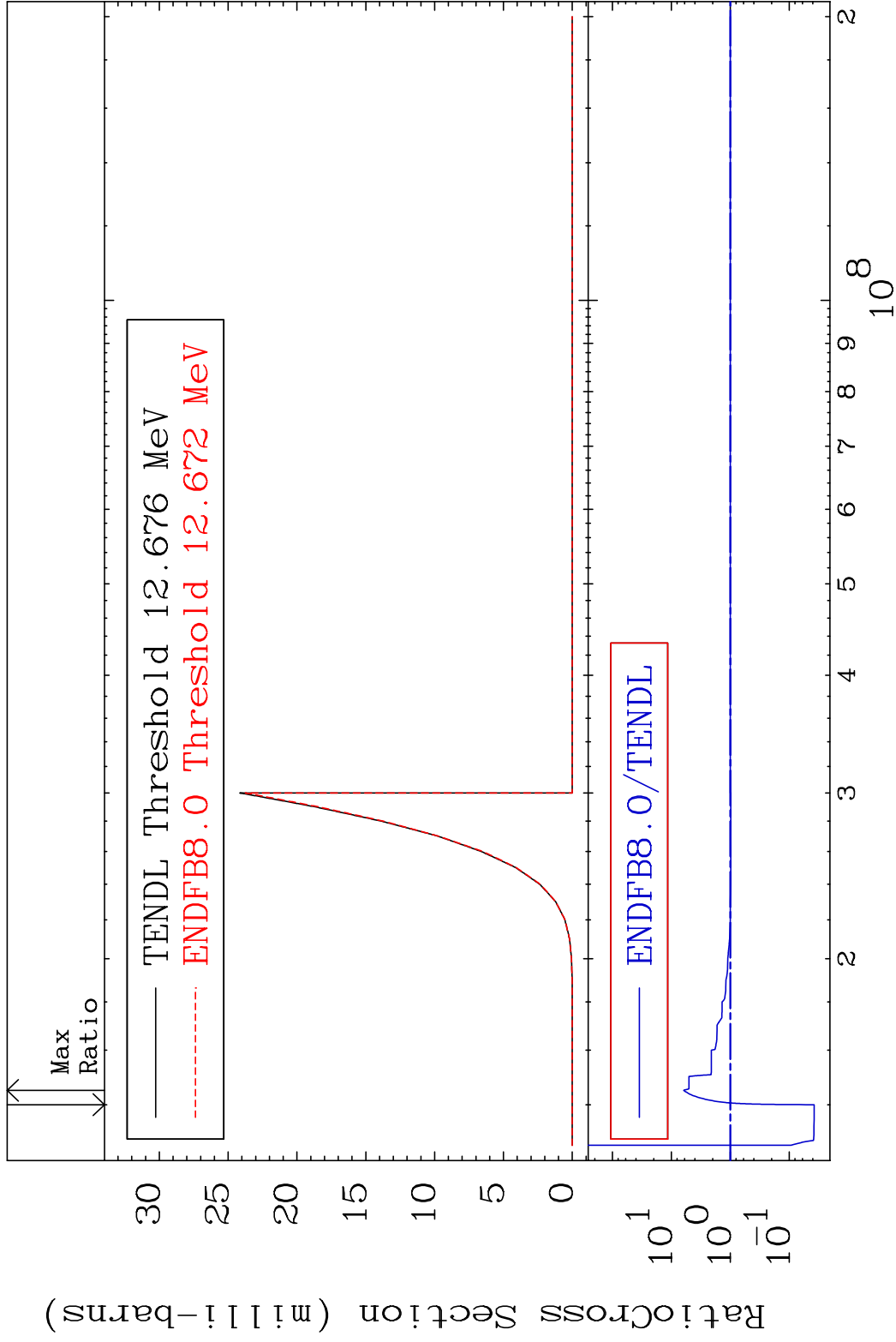


MAT 7828

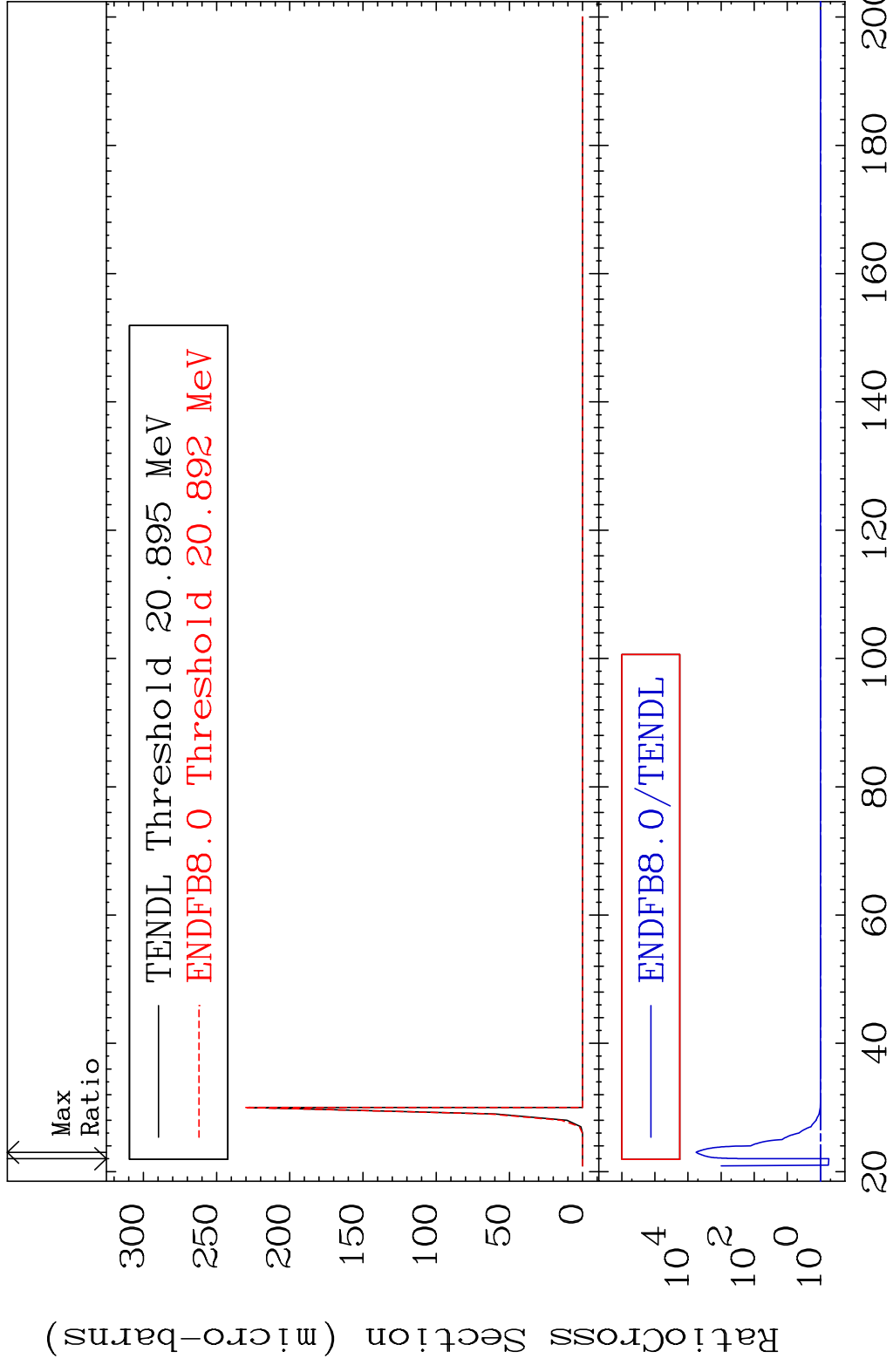
(n,2n) p

78-Pt-191

Cross Section -96.20 To 520.7 %



MAT 7828 (n,3n) p 78-Pt-191  
 Cross Section -44.22 To 9999. %

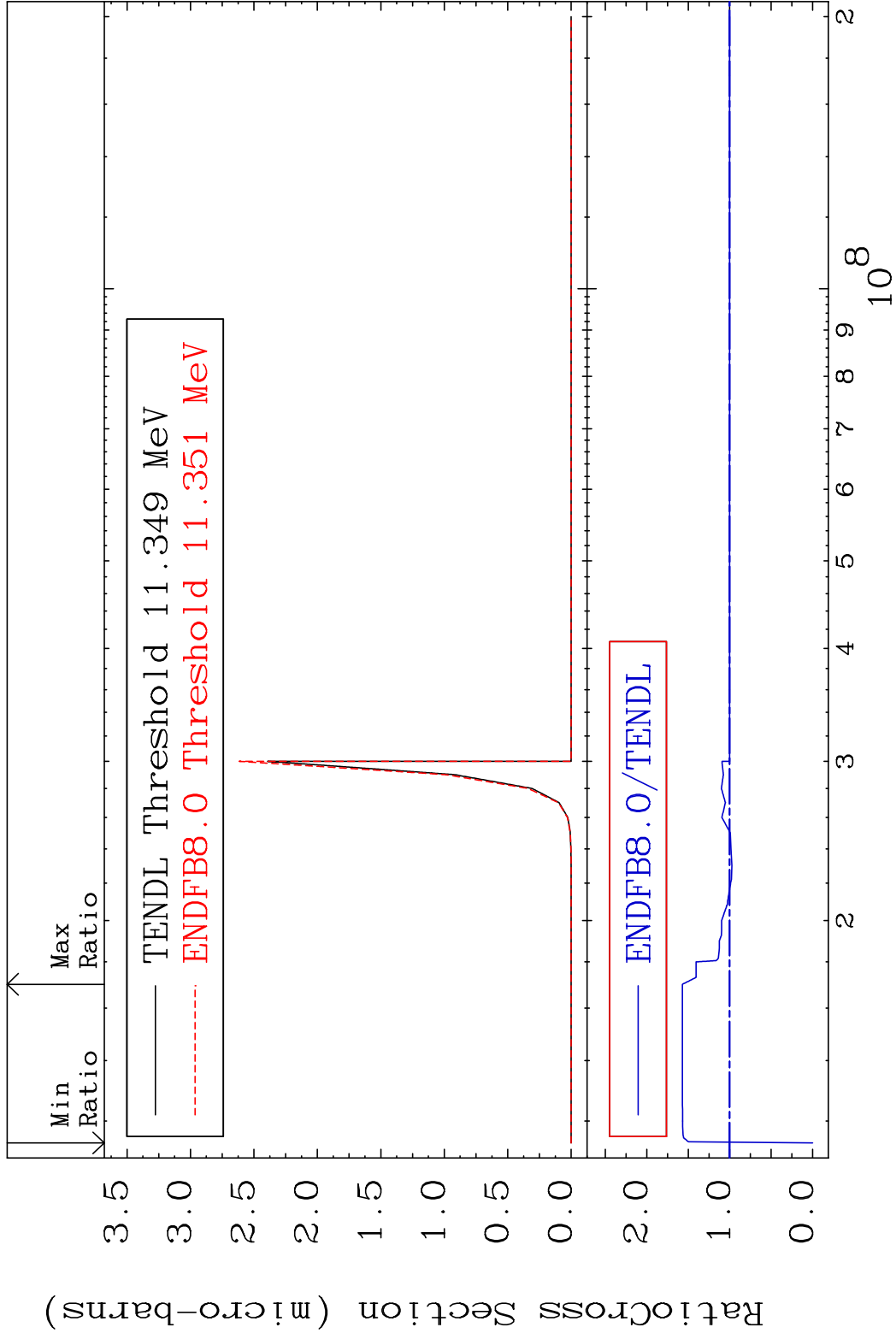


MAT 7828

(n,2n) p

78-Pt-191

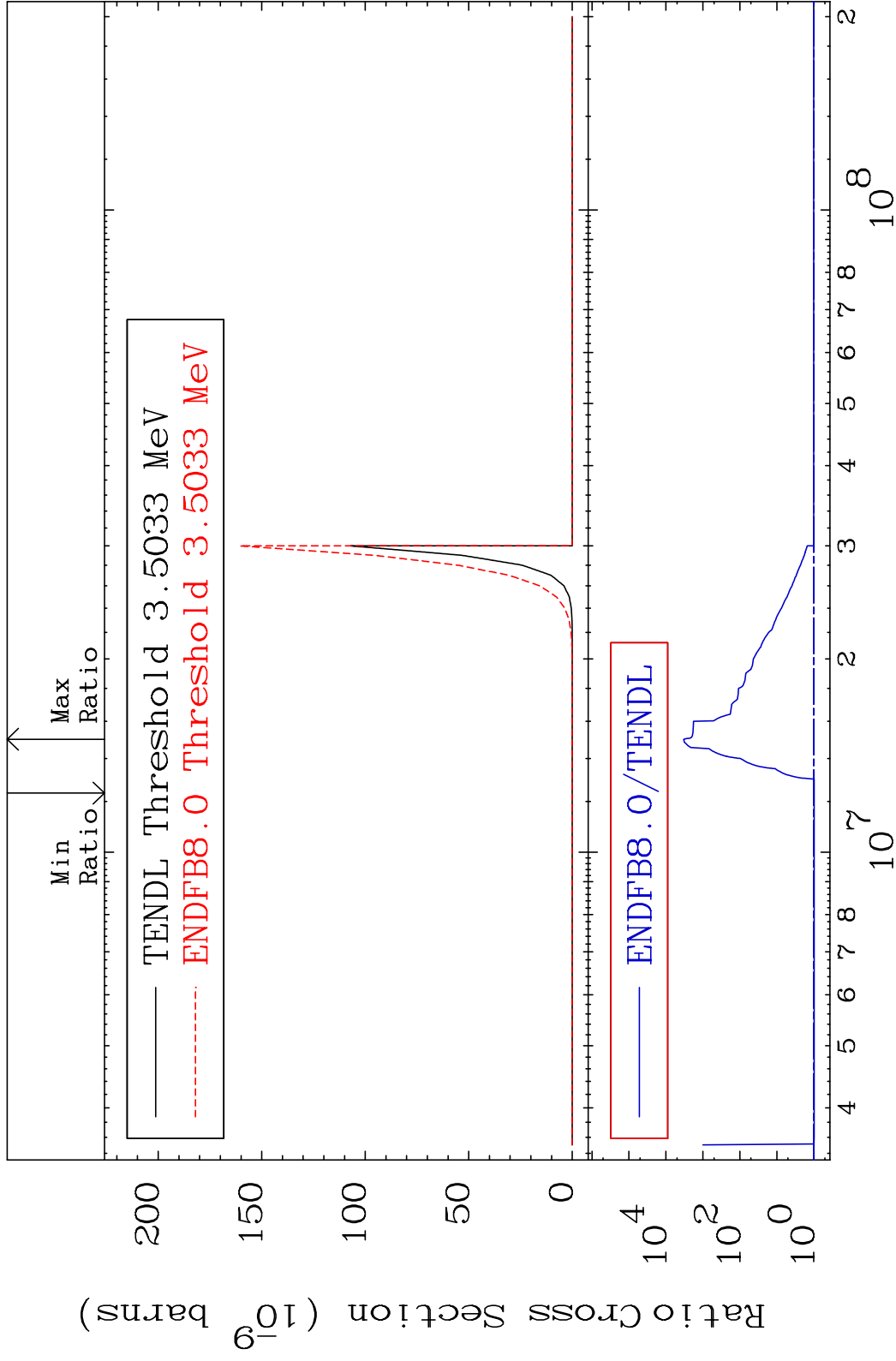
Cross Section -100.0 To 57.11 %



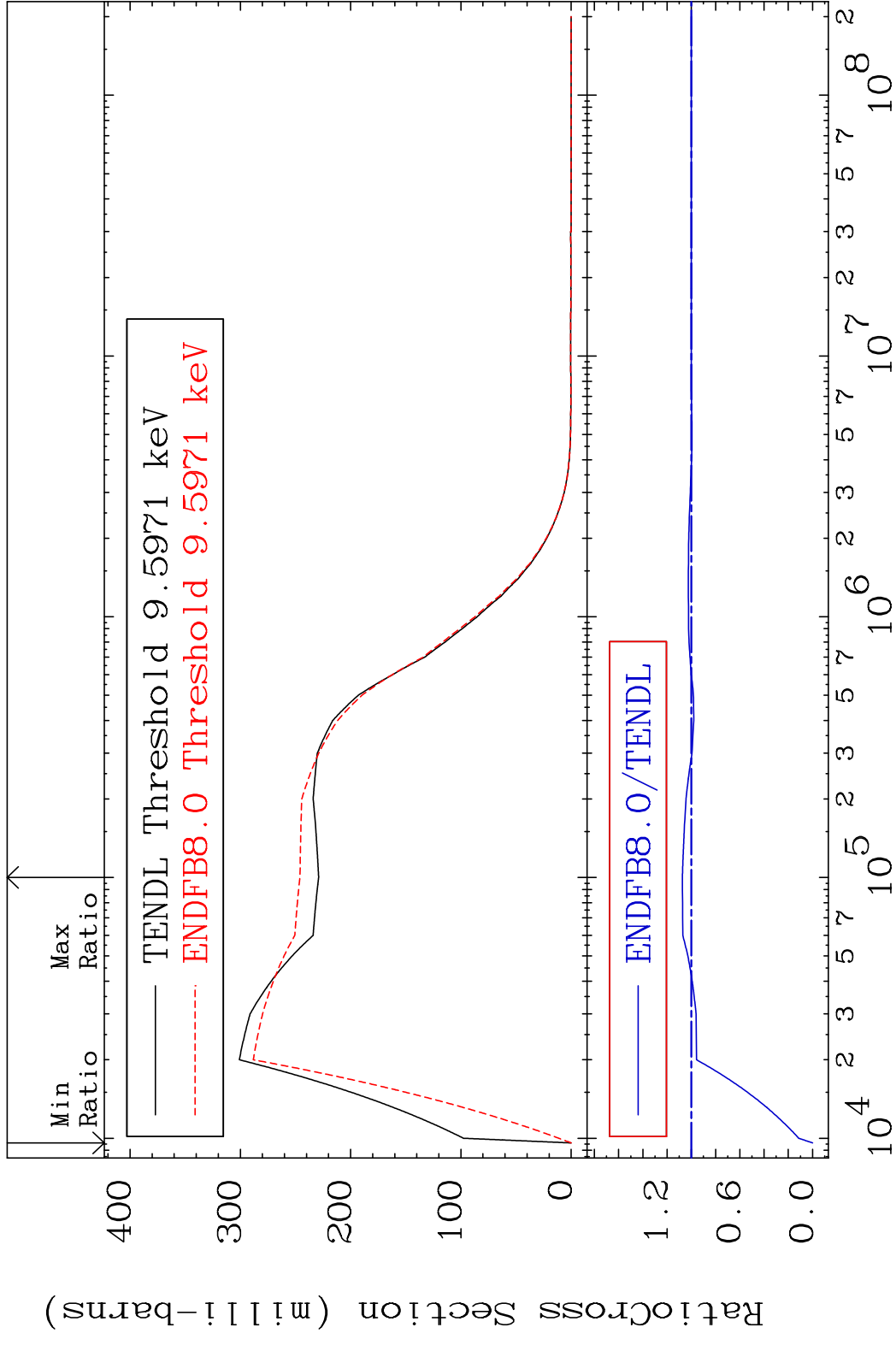
MAT 7828

(n,n') p  $\alpha$  78-Pt-191

Cross Section -2.065 To 9999. %

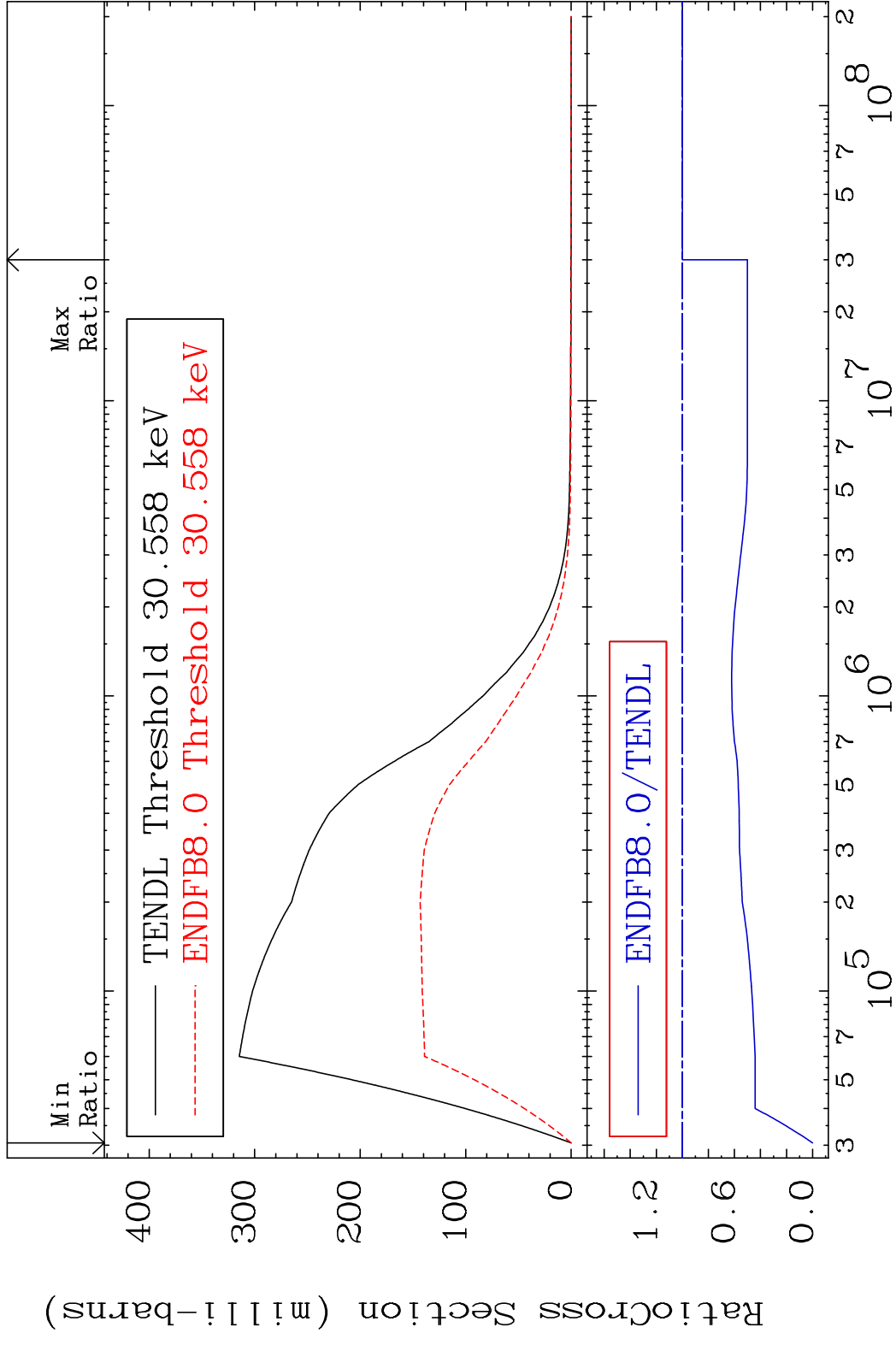


MAT 7828 MT= 51 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 7.419 %

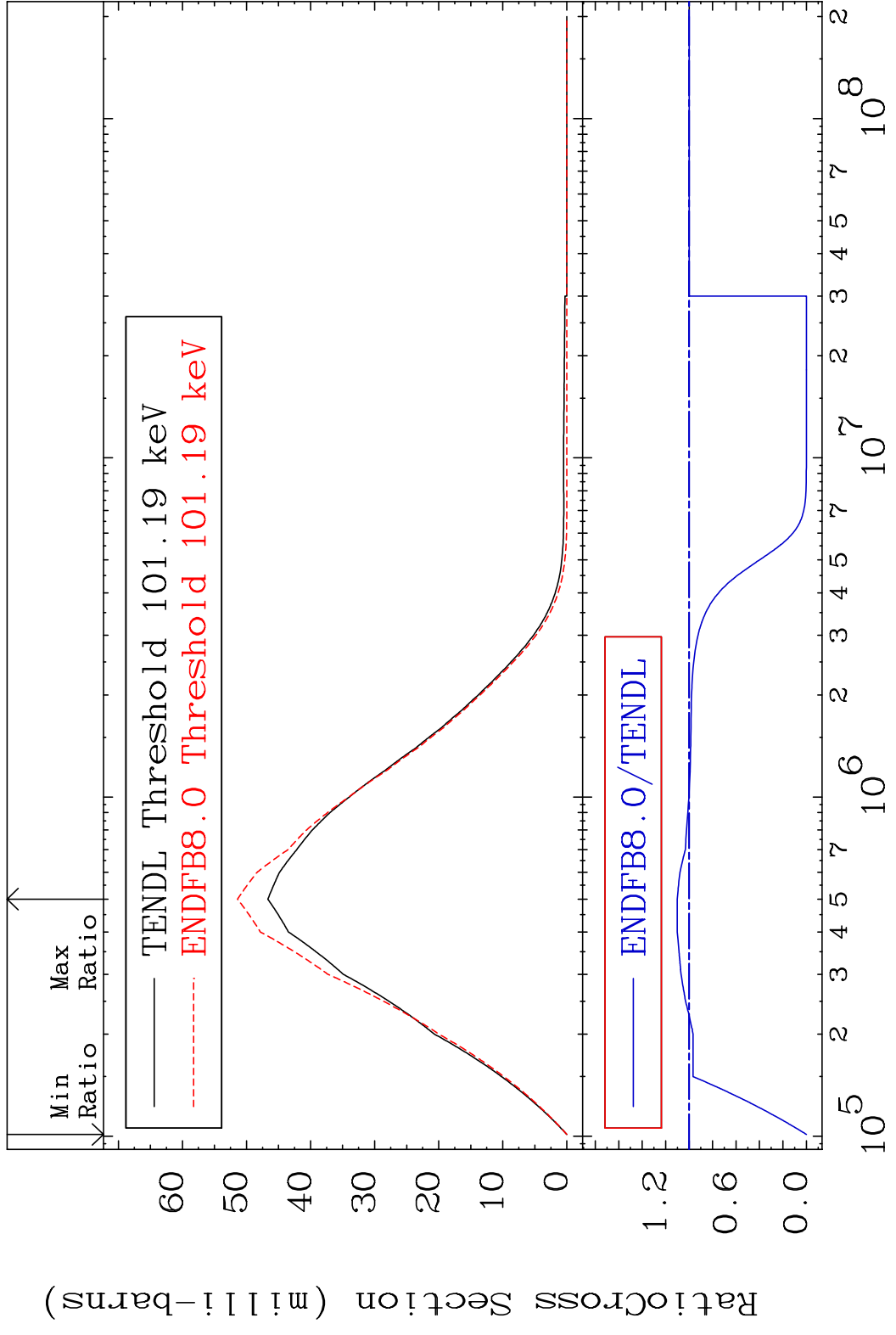


20 Incident Energy (eV) 78-Pt-191

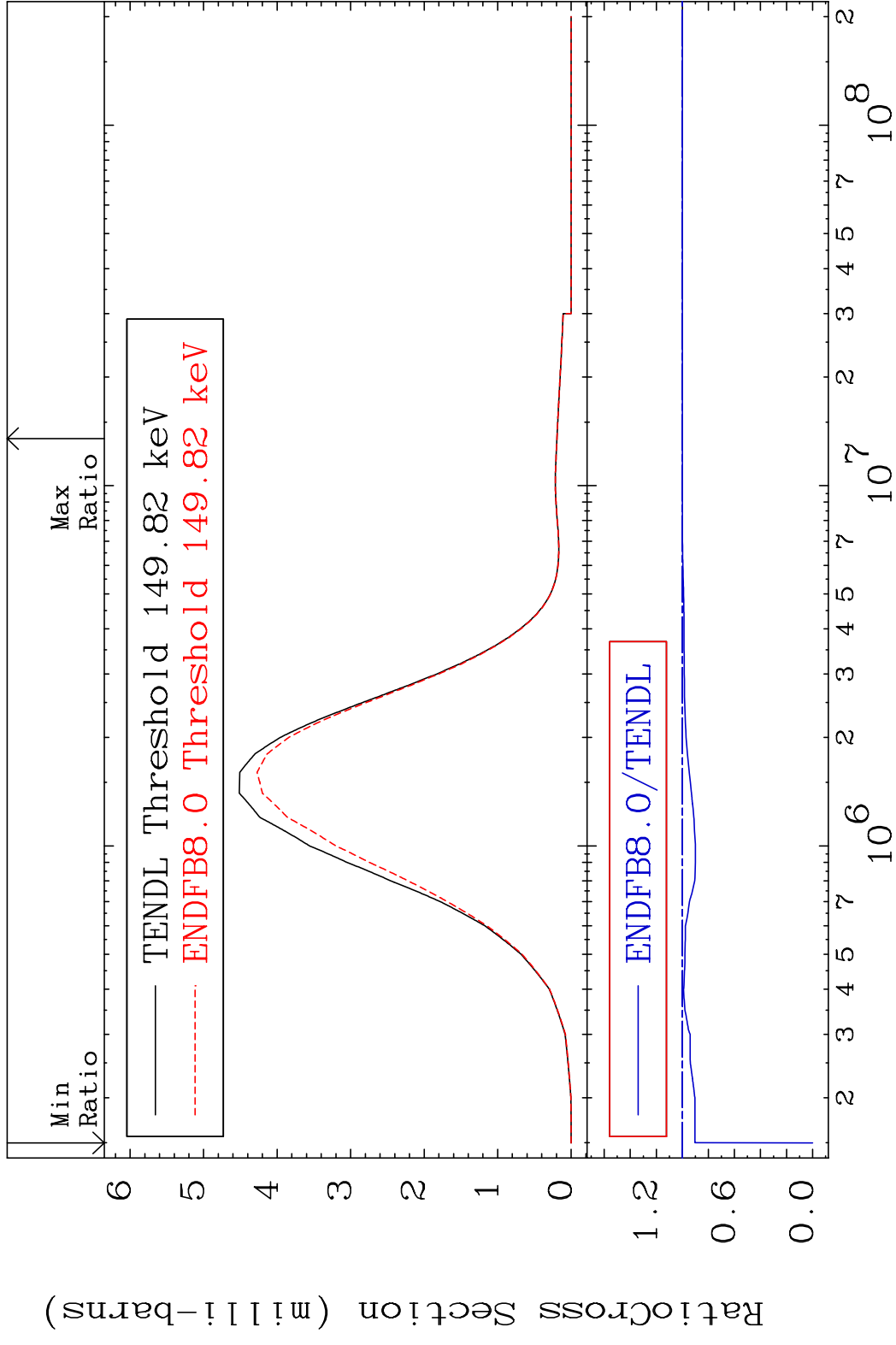
MAT 7828 MT= 52 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 0.000 %



MAT 7828 MT= 53 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 10.16 %

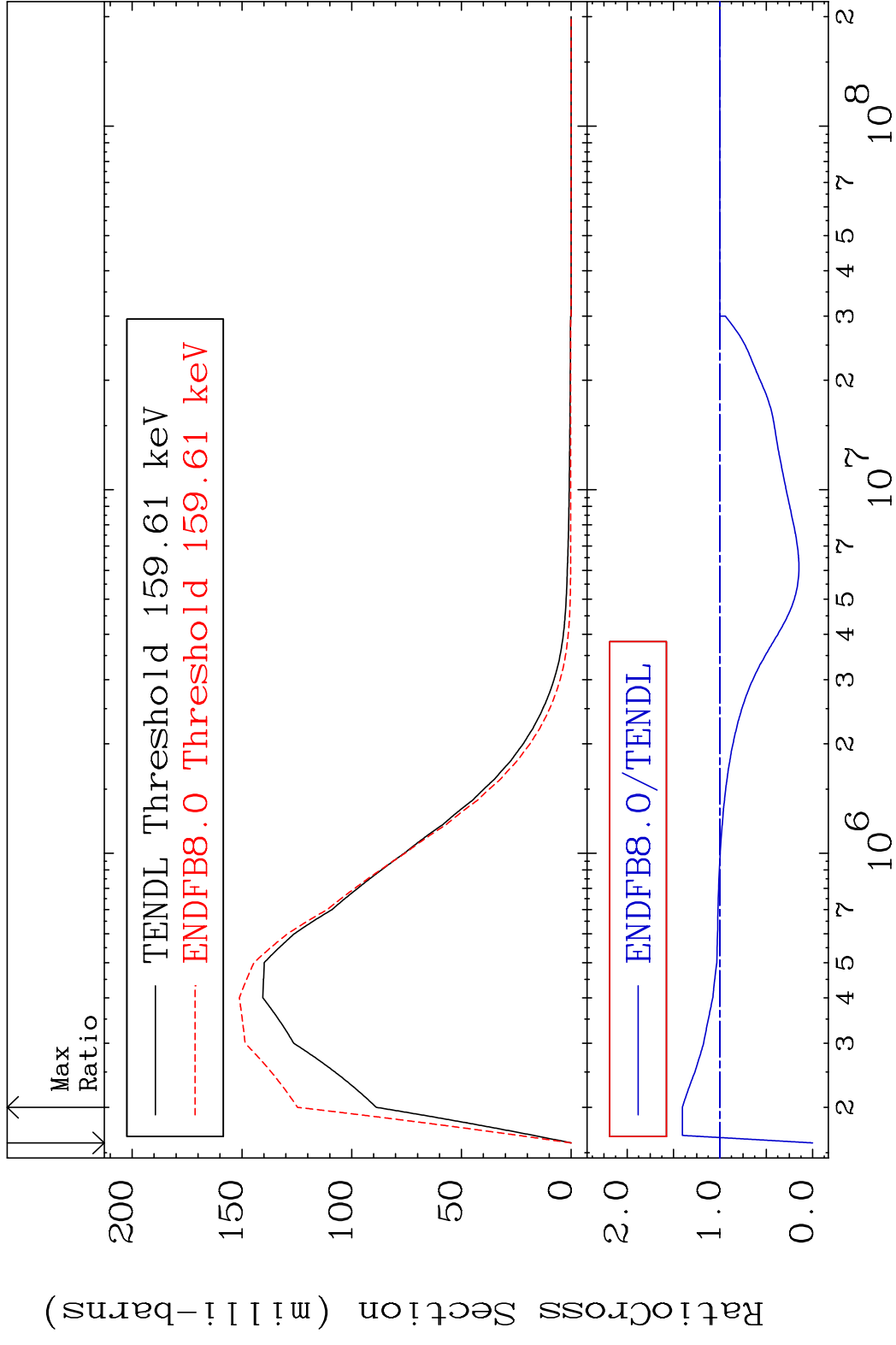


MAT 7828 MT= 54 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 0.000 %

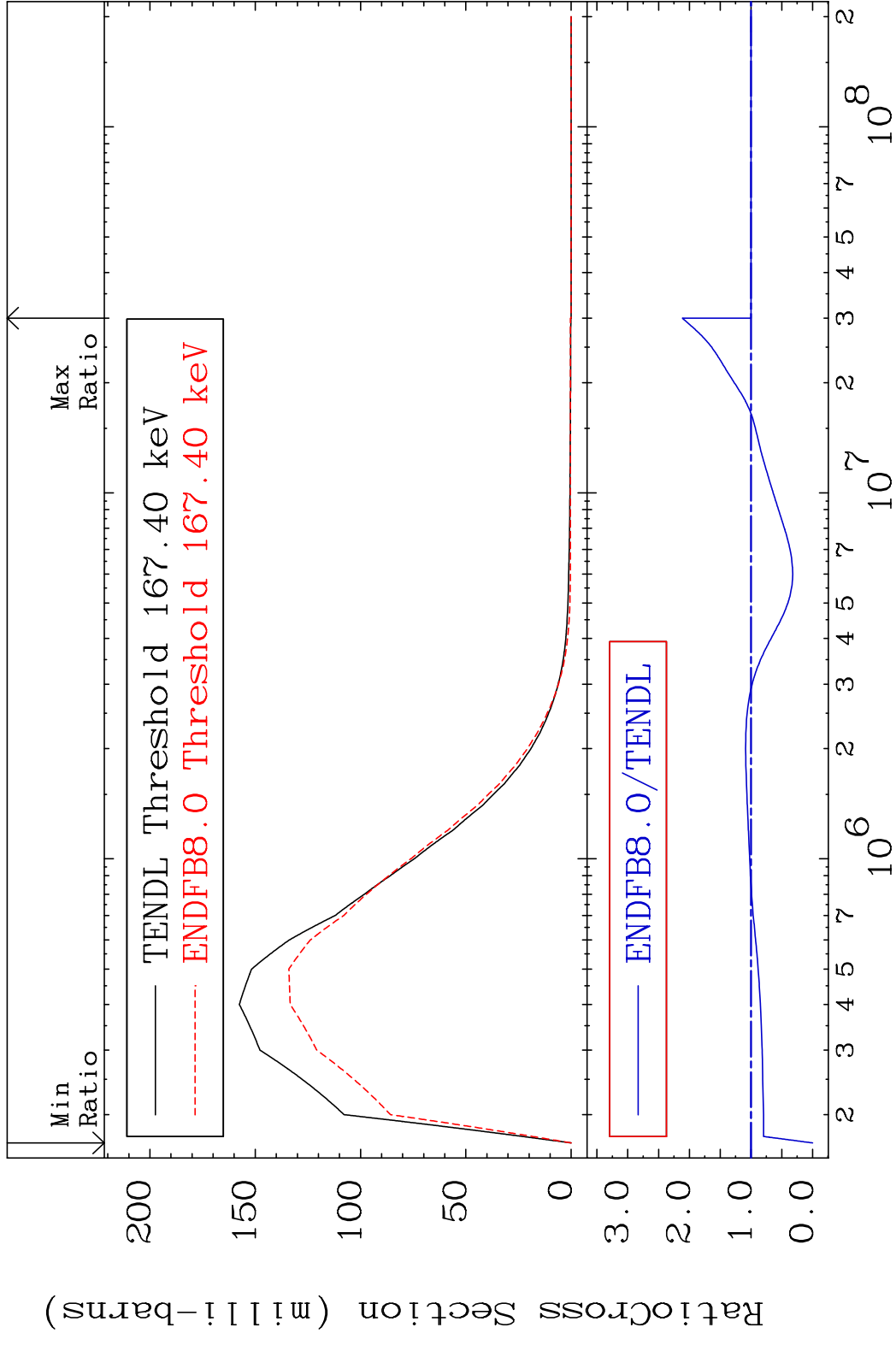




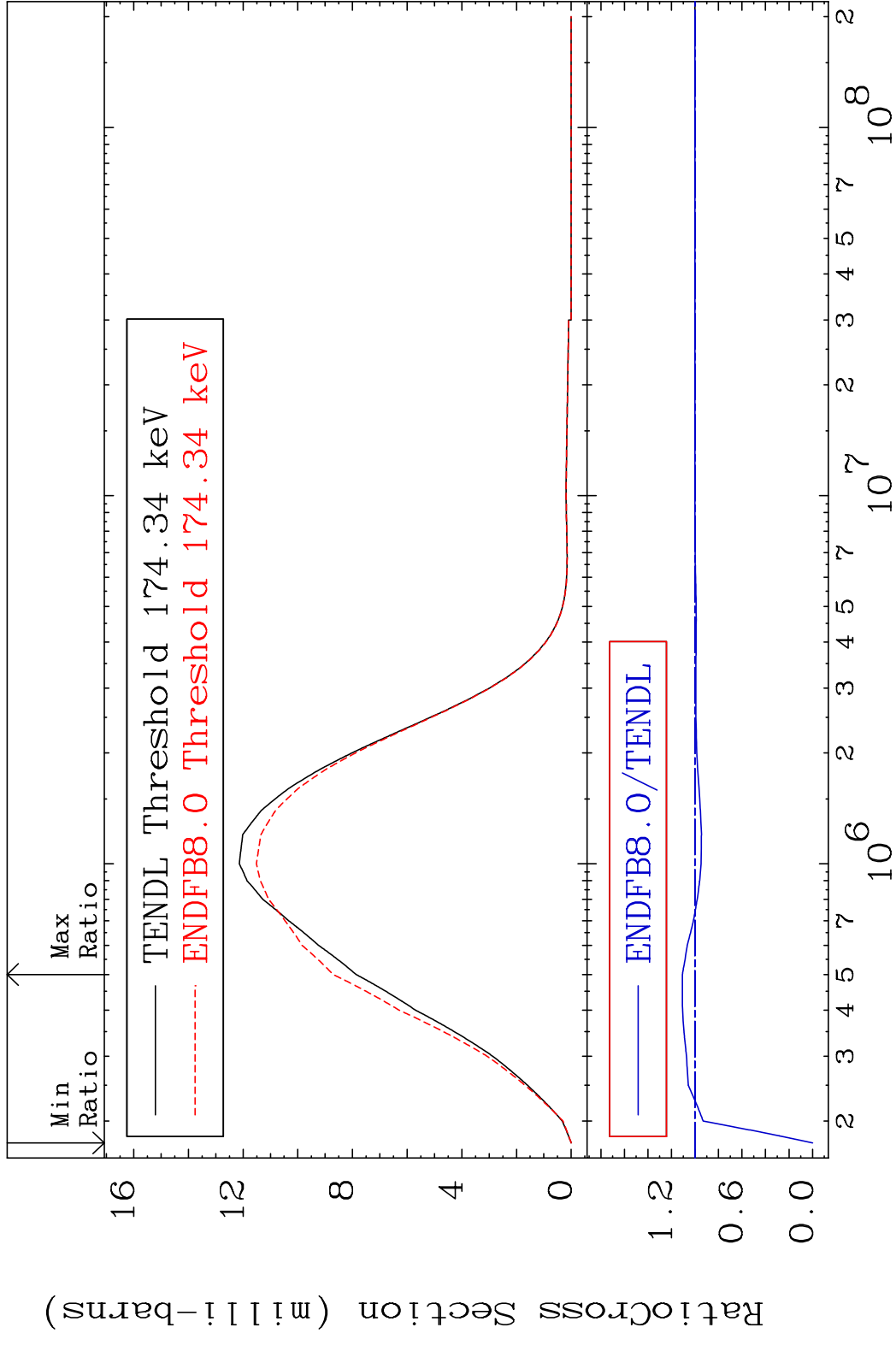
MAT 7828 MT= 55 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 40.43 %



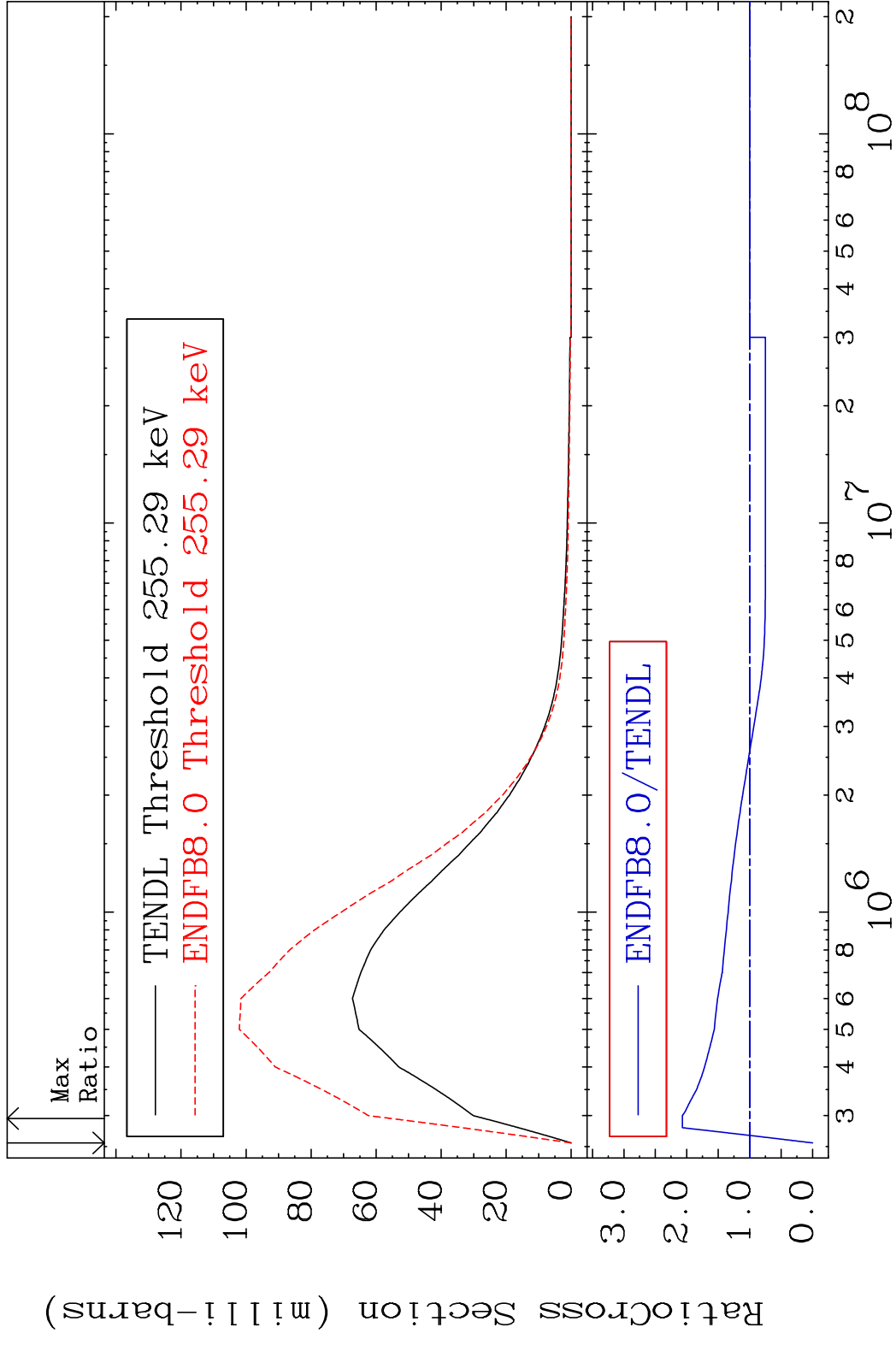
MAT 7828 MT= 56 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 111.4 %



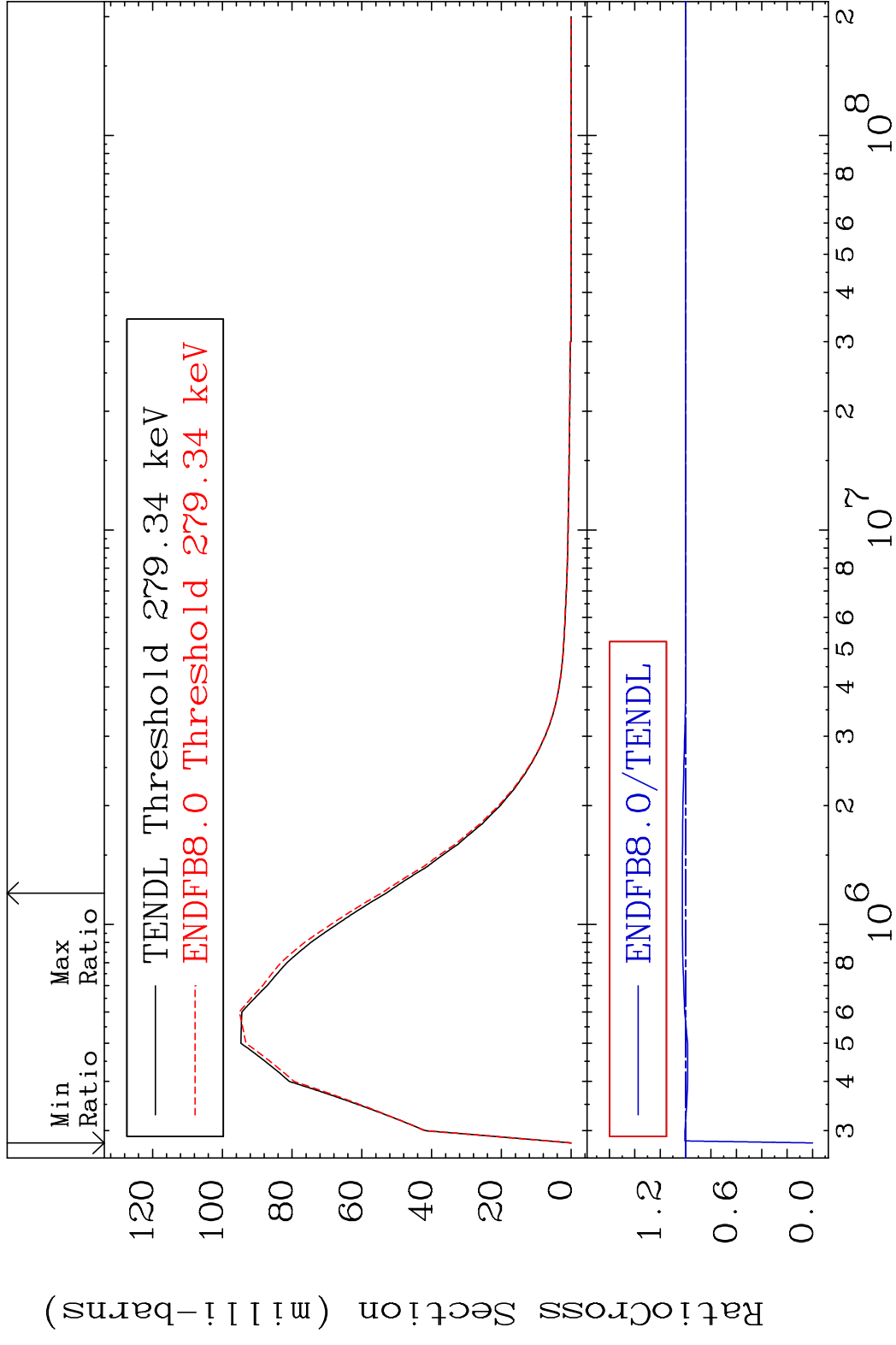
MAT 7828 MT= 57 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 10.71 %



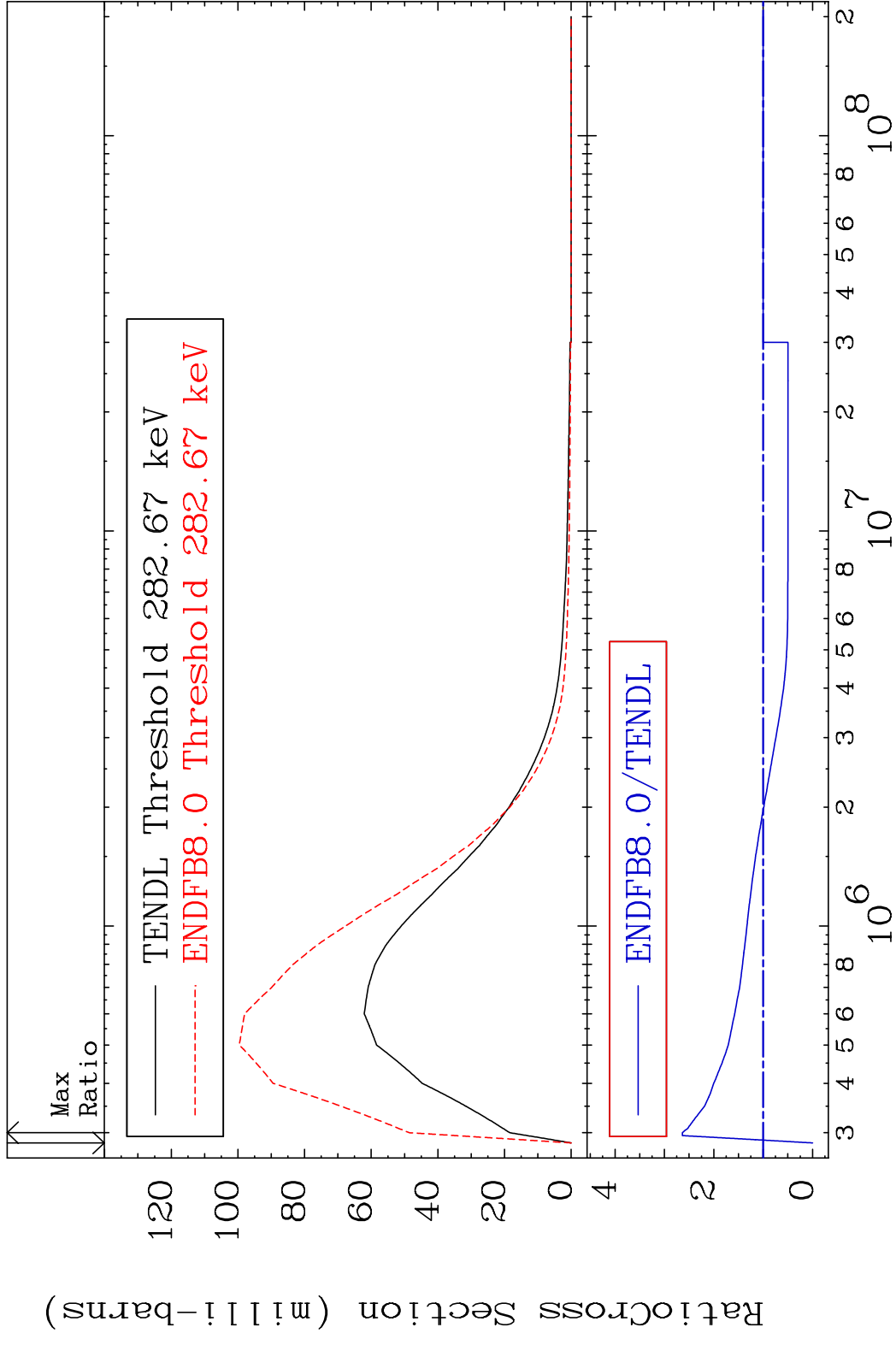
MAT 7828 MT= 58 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 107.0 %



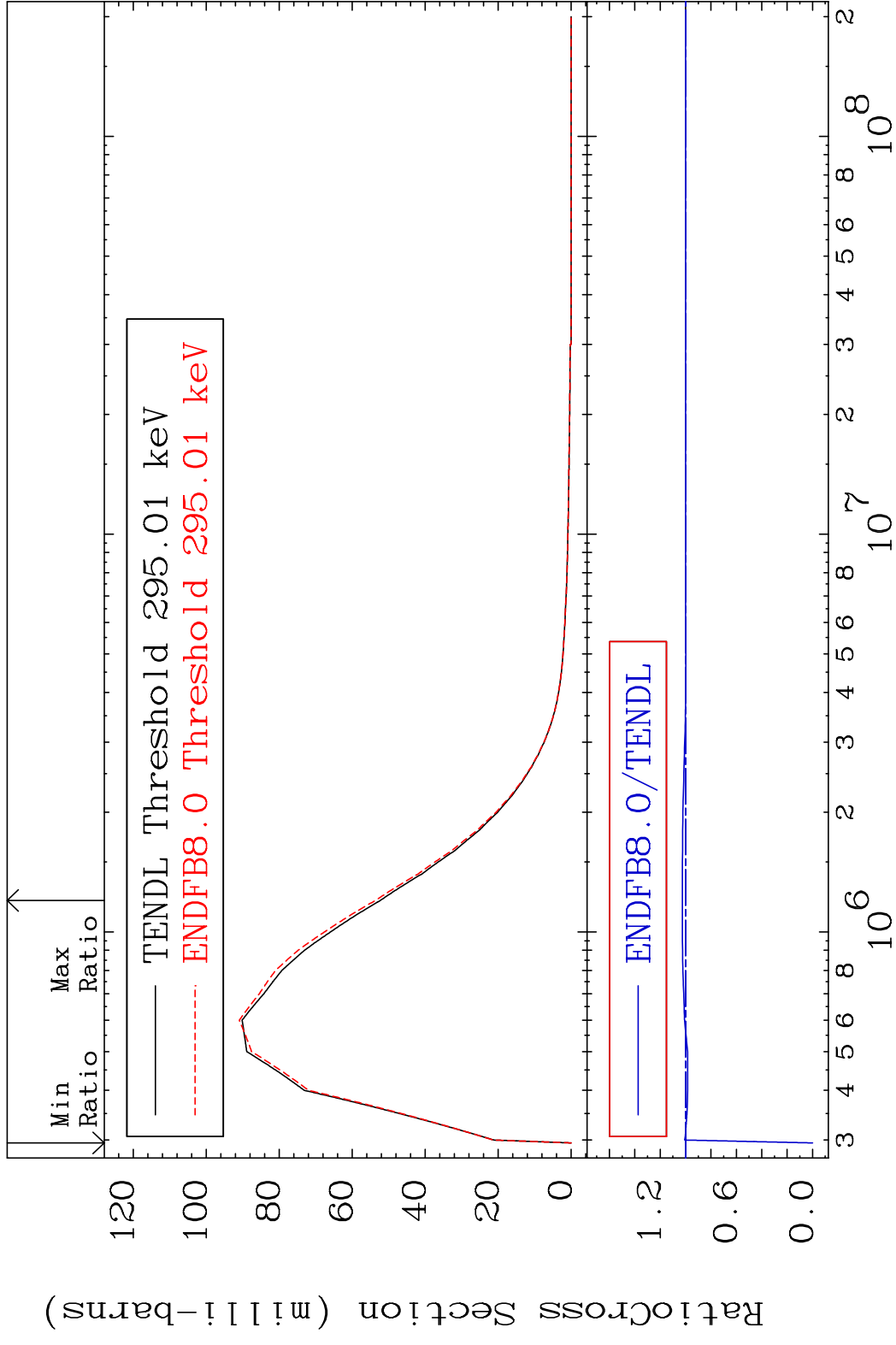
MAT 7828 MT= 59 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 2.557 %



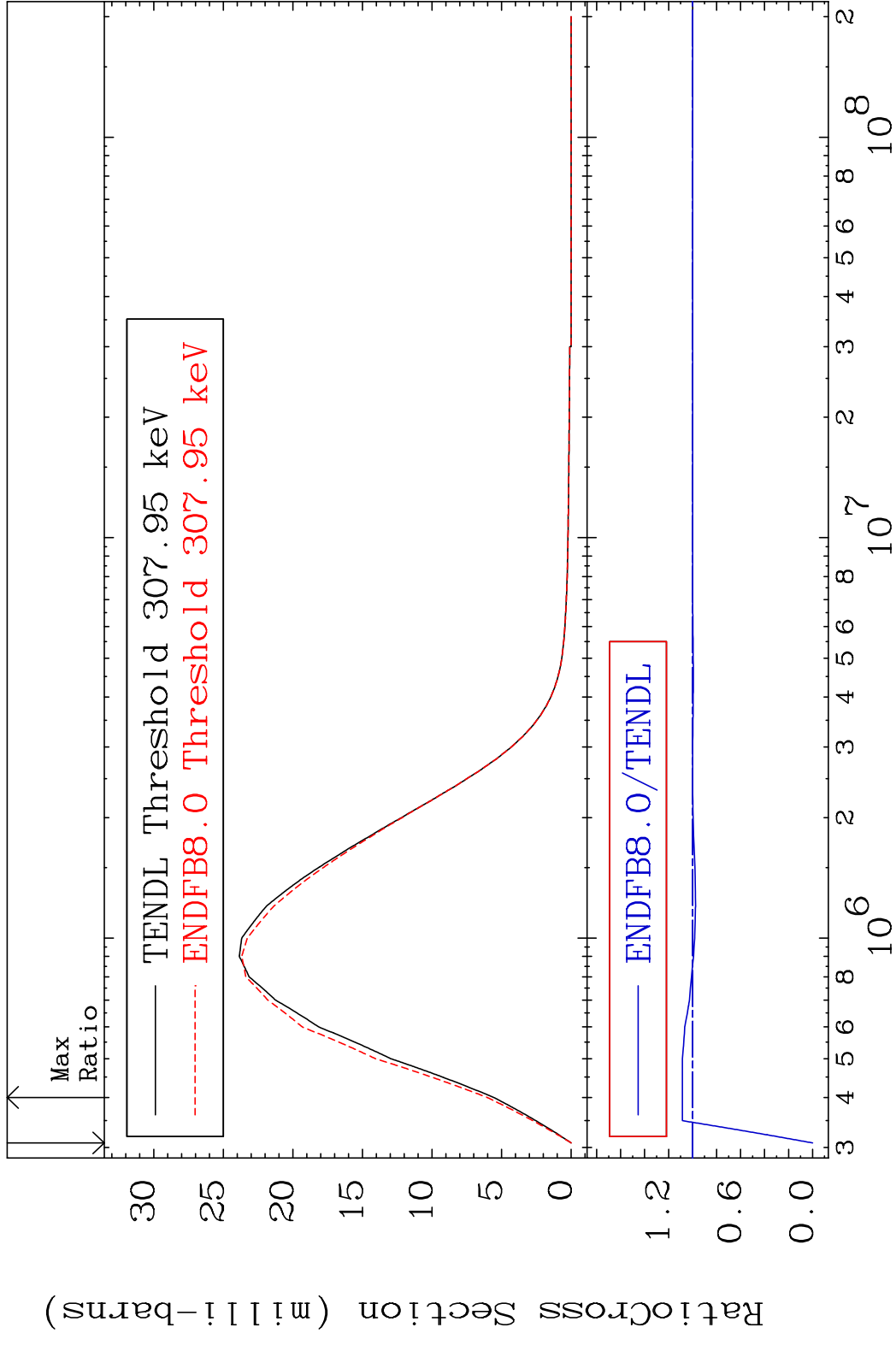
MAT 7828 MT= 60 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 163.6 %



MAT 7828 MT= 61 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 2.566 %

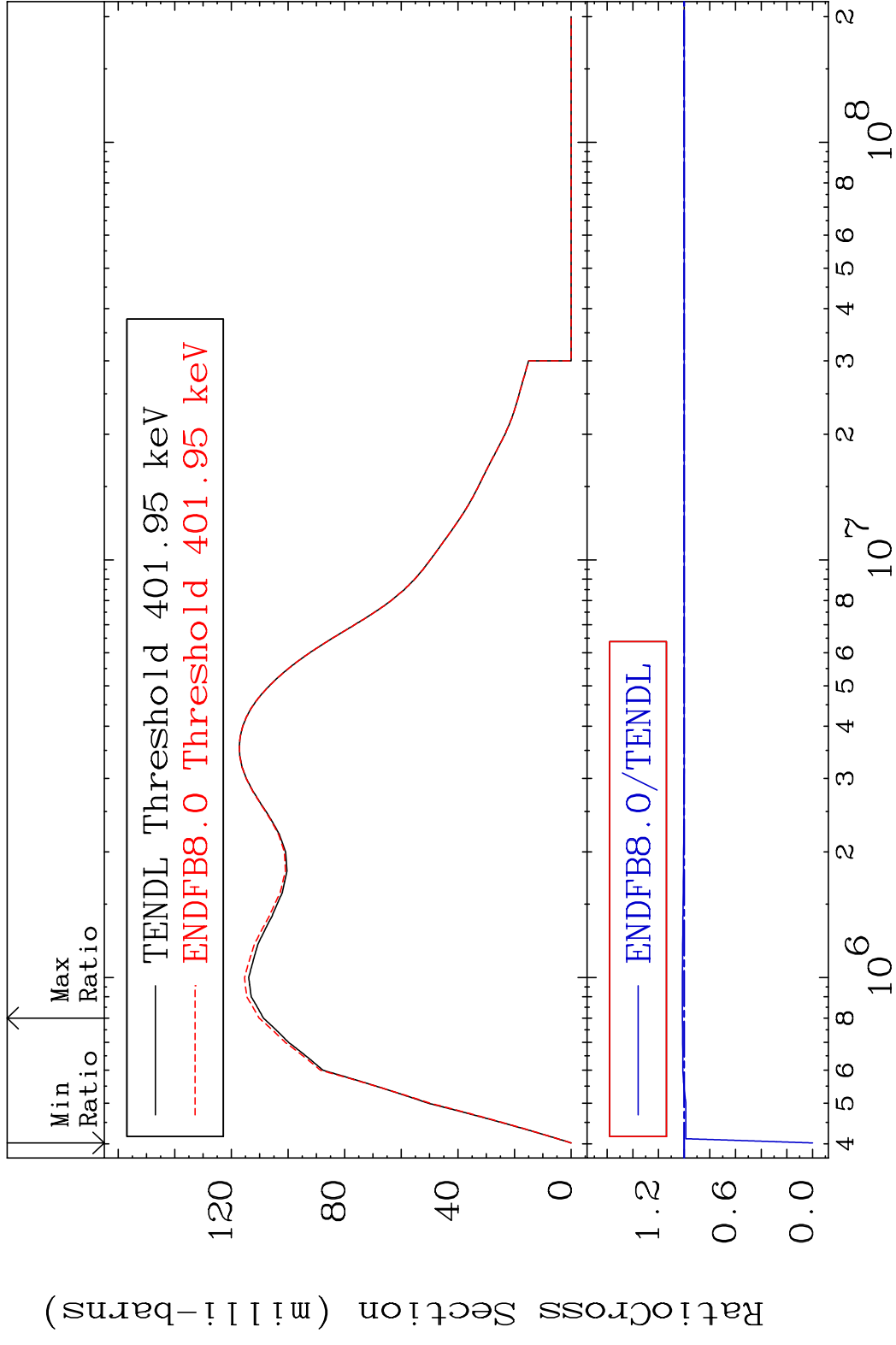


MAT 7828 MT= 62 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 8.556 %

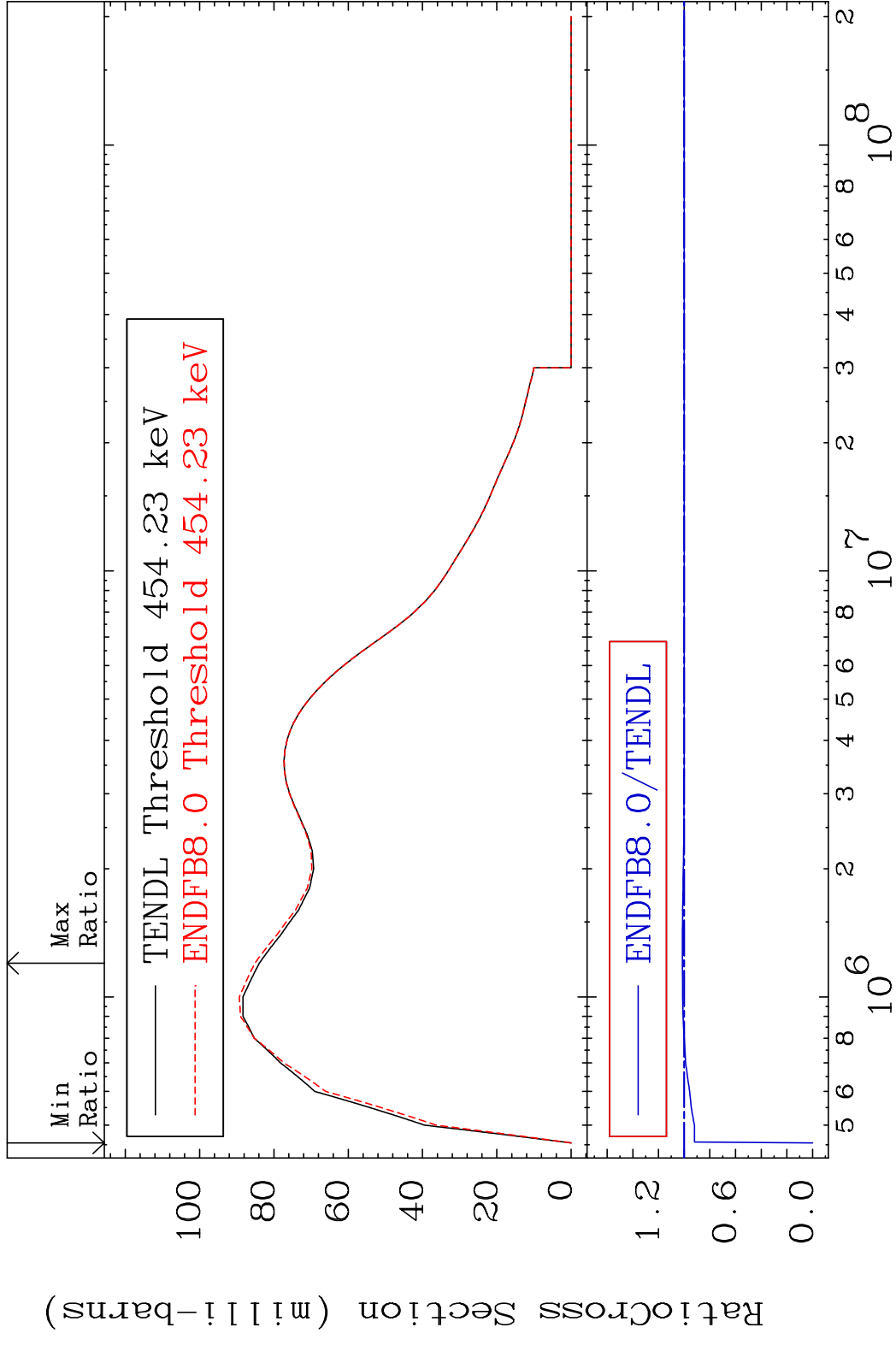




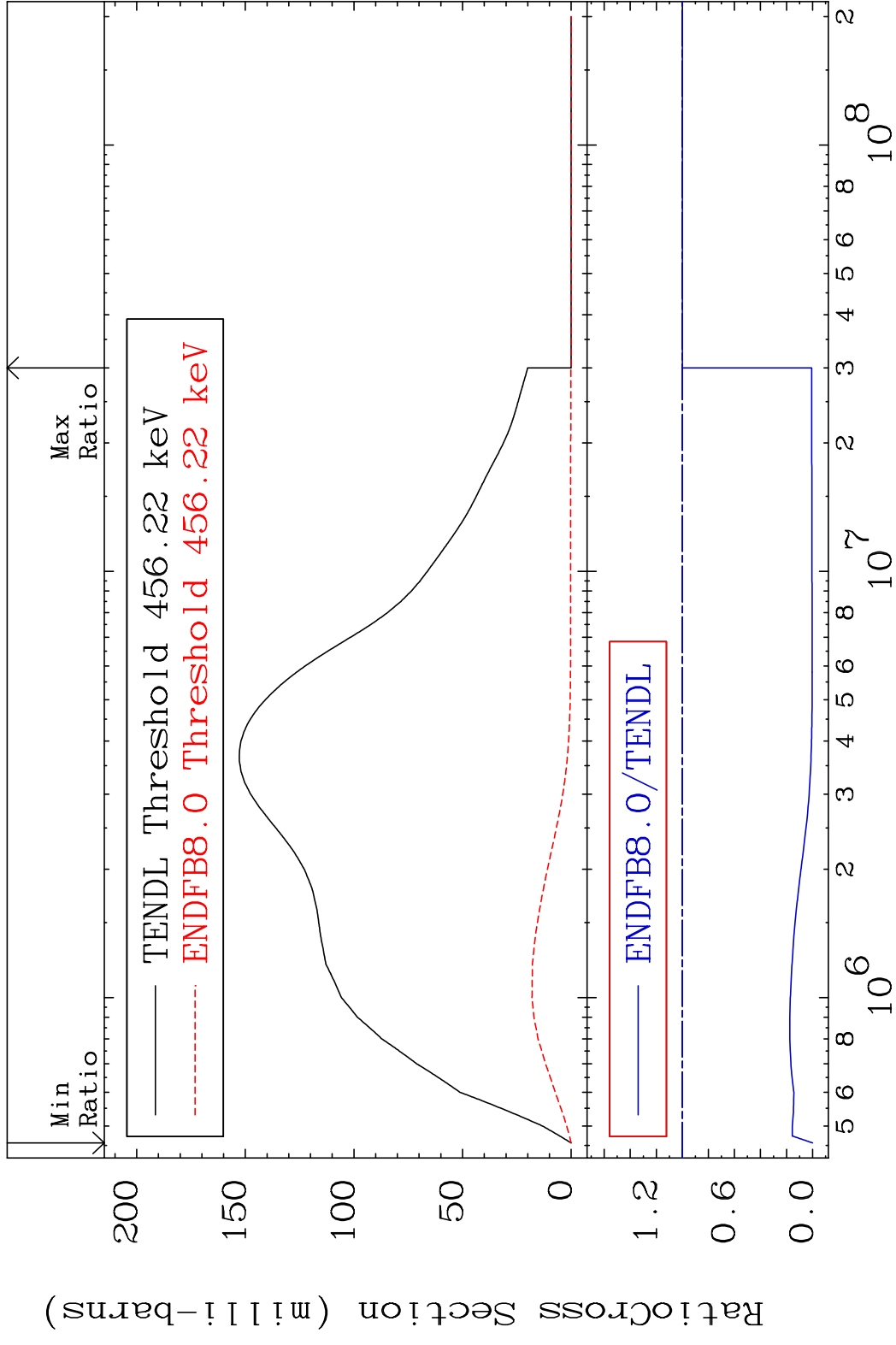
MAT 7828 MT= 63 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 1.399 %



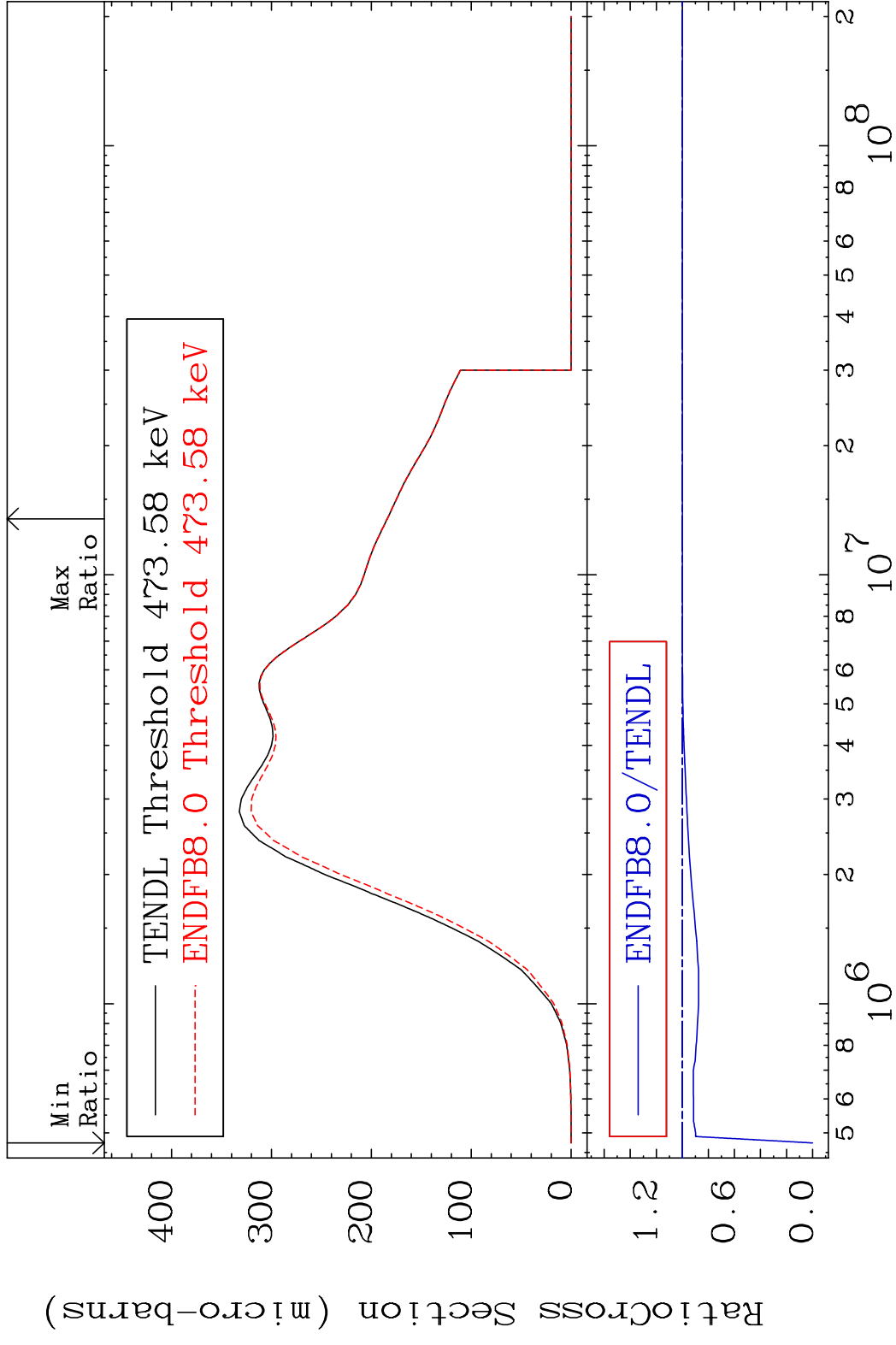
MAT 7828 MT= 64 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 1.401 %



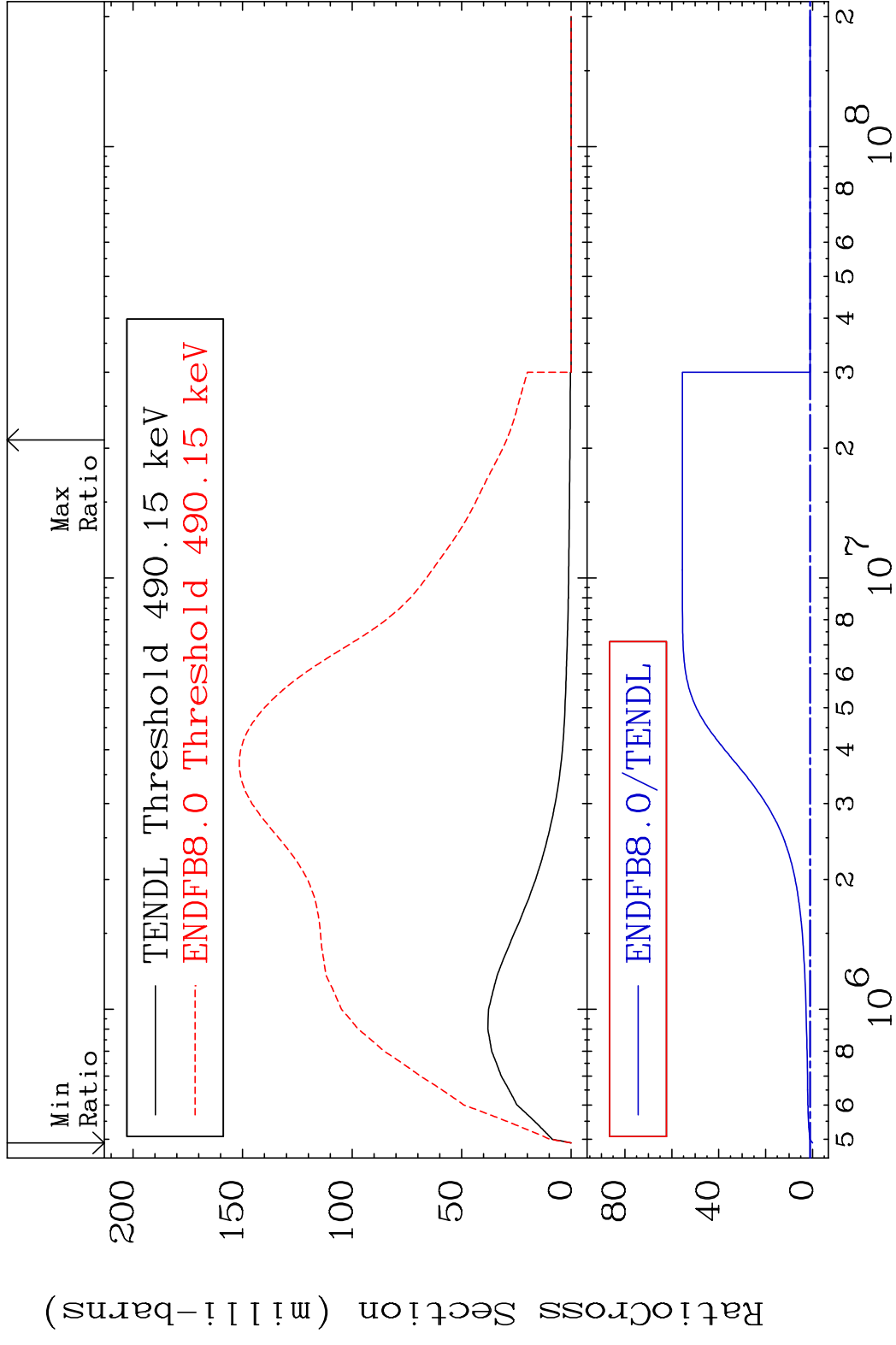
MAT 7828 MT= 65 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 0.000 %



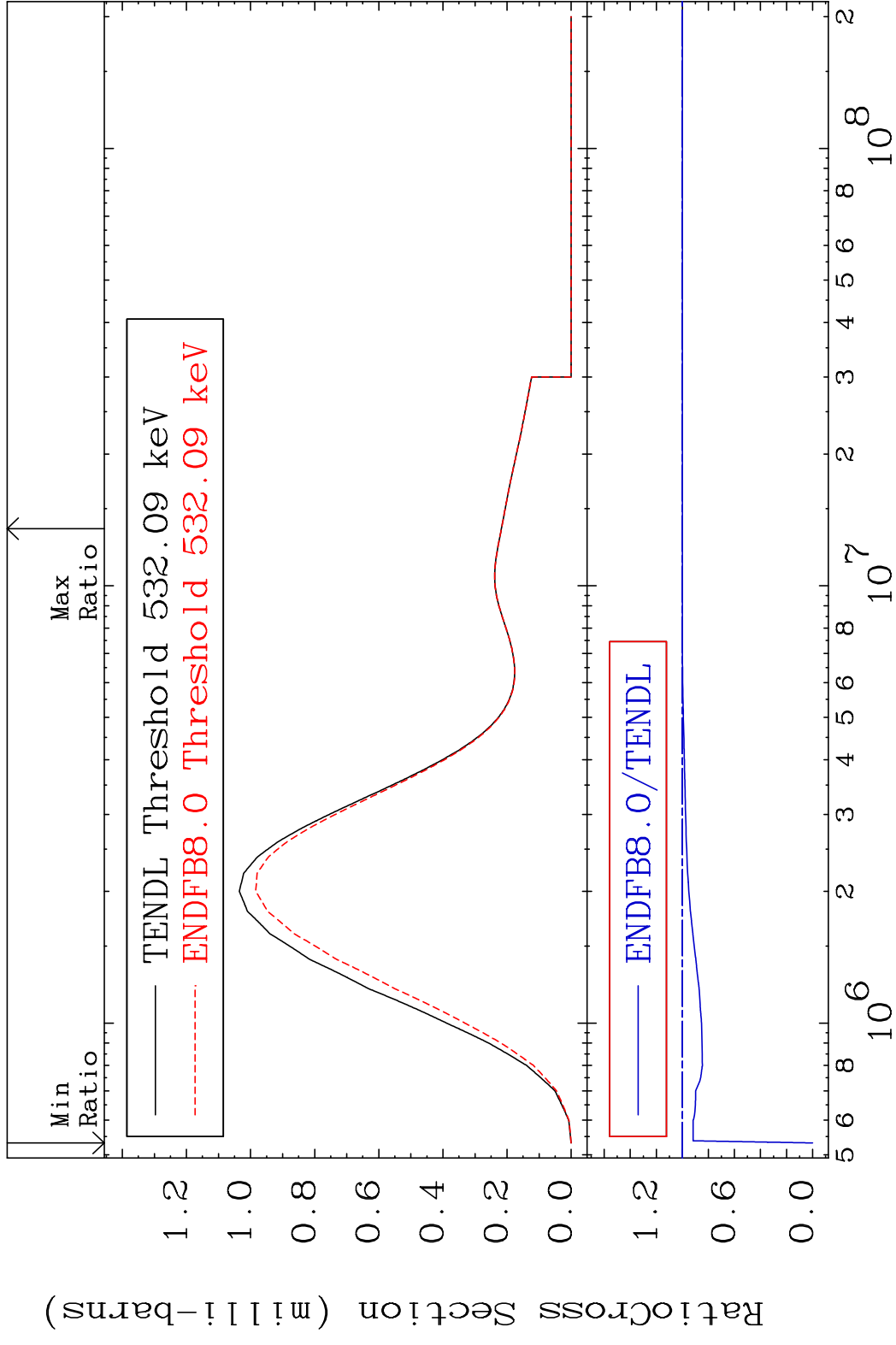
MAT 7828 MT= 66 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 0.000 %



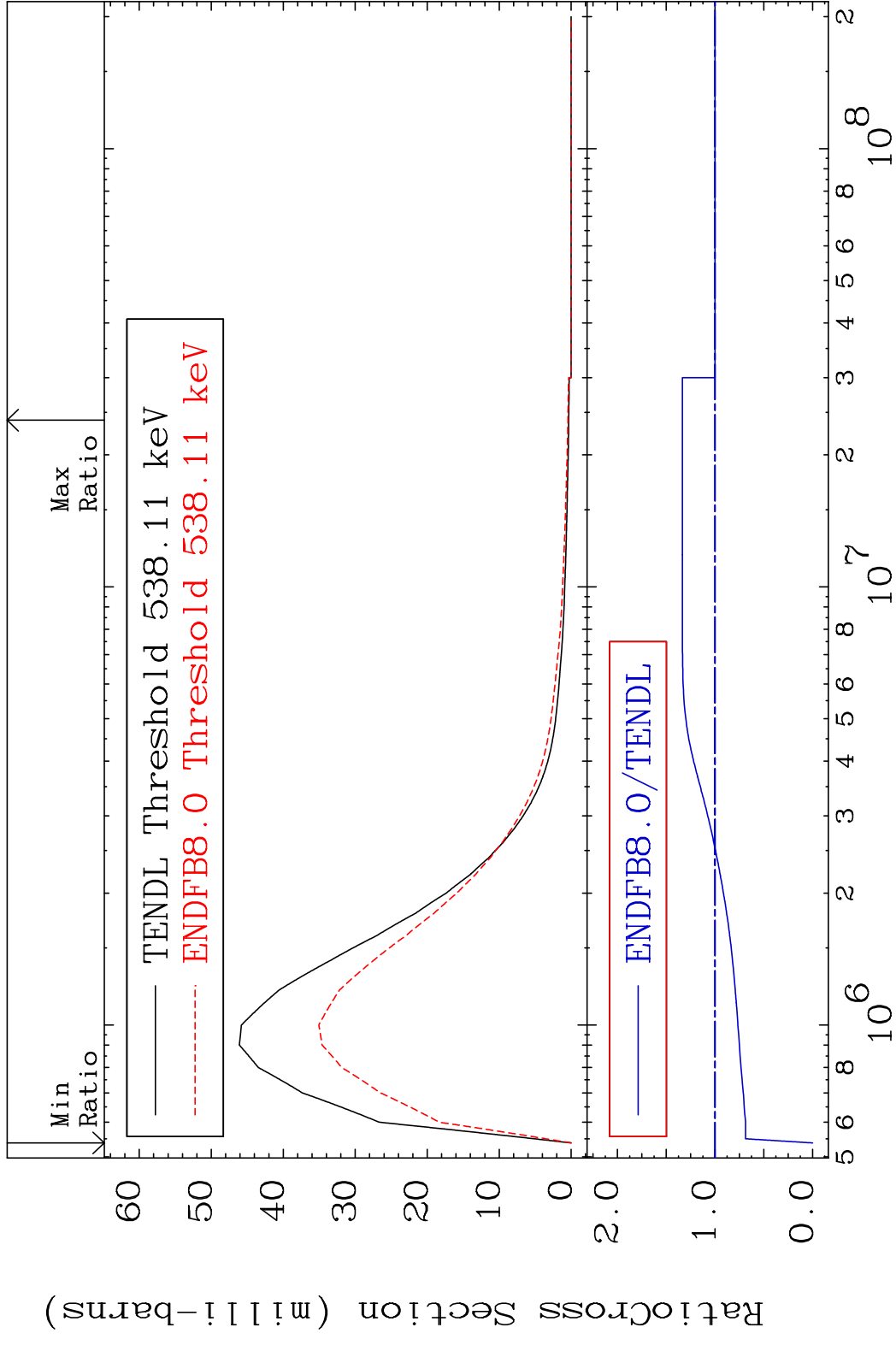
MAT 7828 MT= 67 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 5450. %



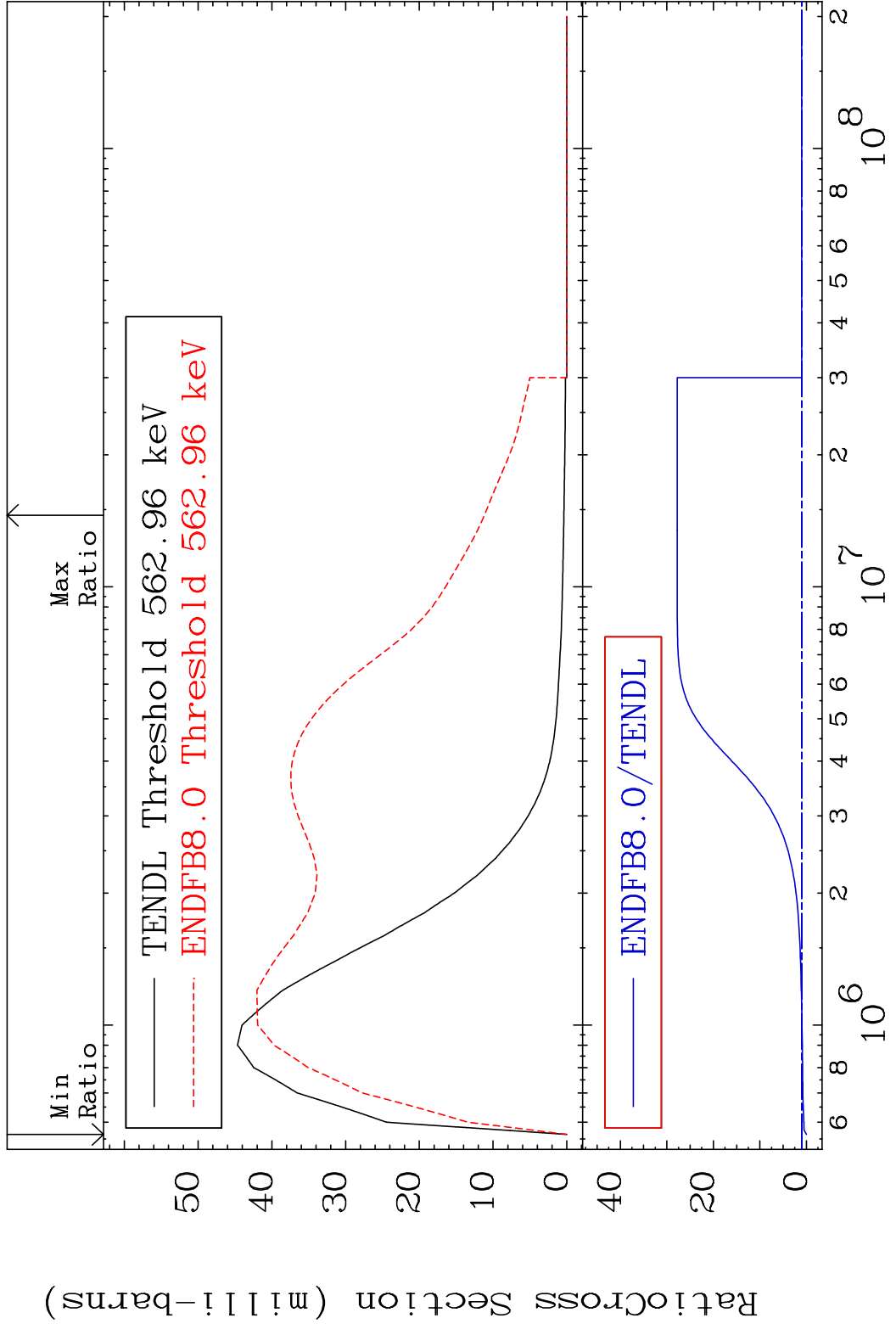
MAT 7828 MT= 68 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 0.000 %



MAT 7828 MT= 69 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 33.46 %

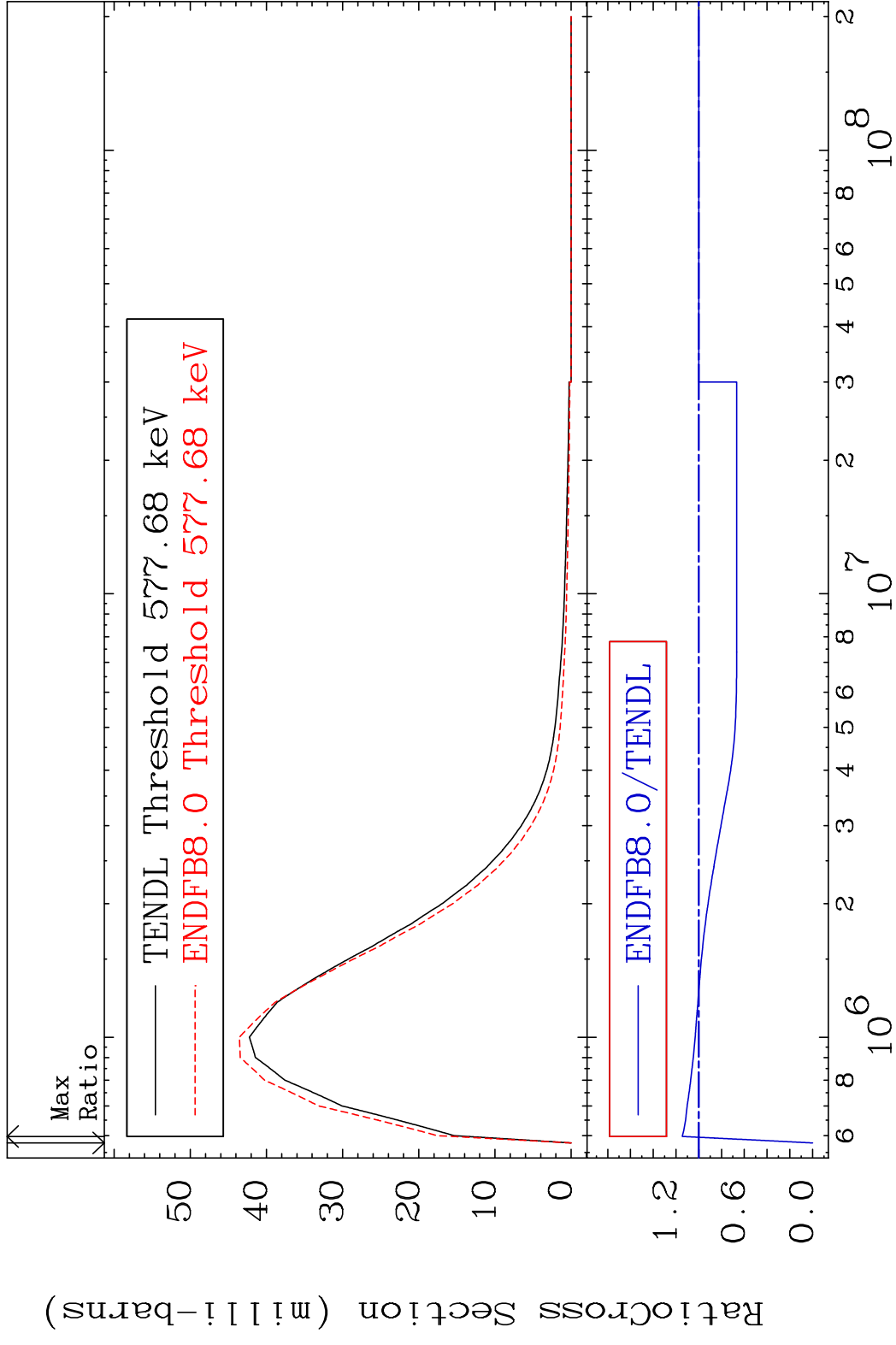


MAT 7828 MT= 70 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 2678. %



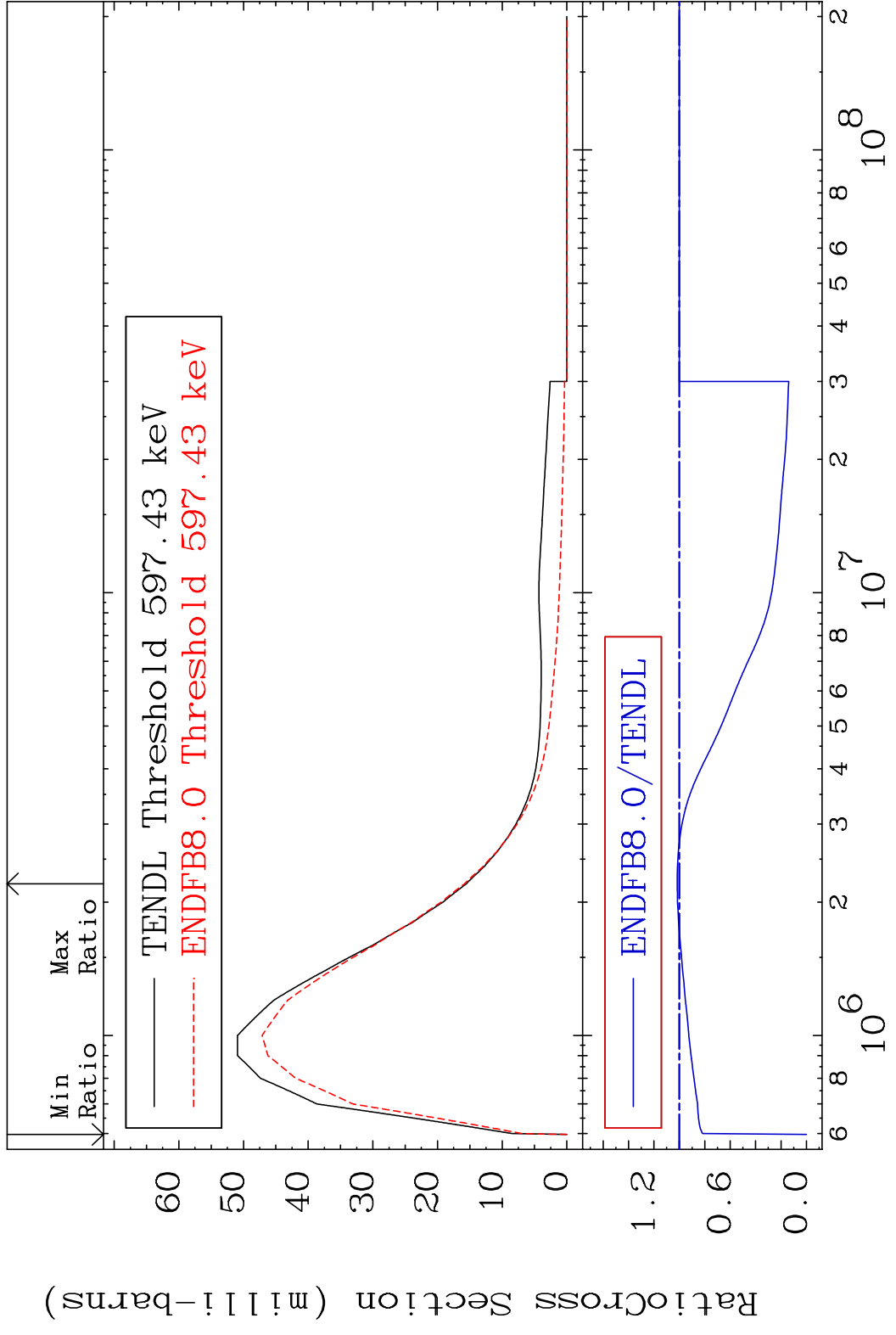


MAT 7828 MT= 71 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 14.42 %

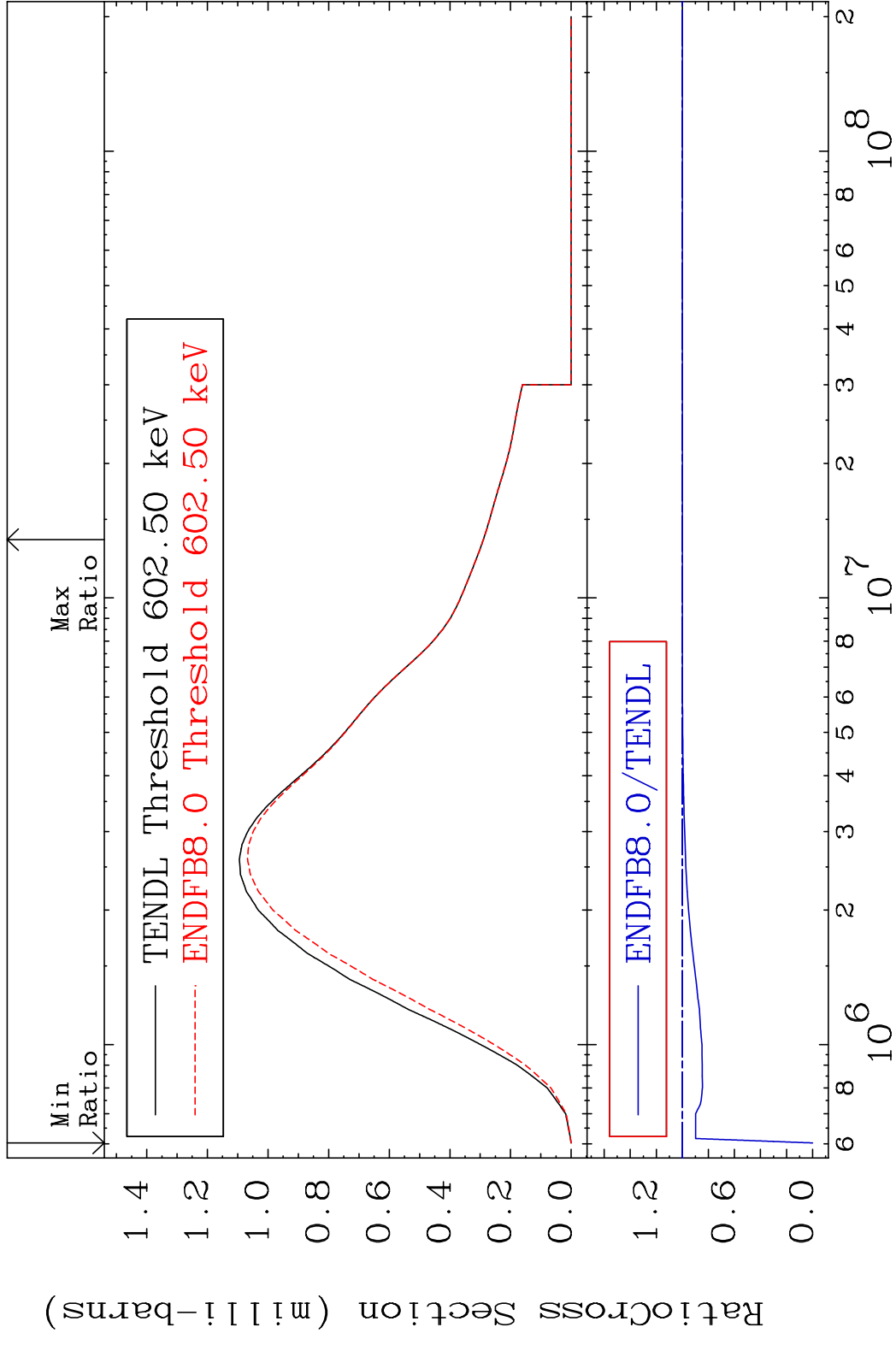


40 Incident Energy (eV) 78-Pt-191

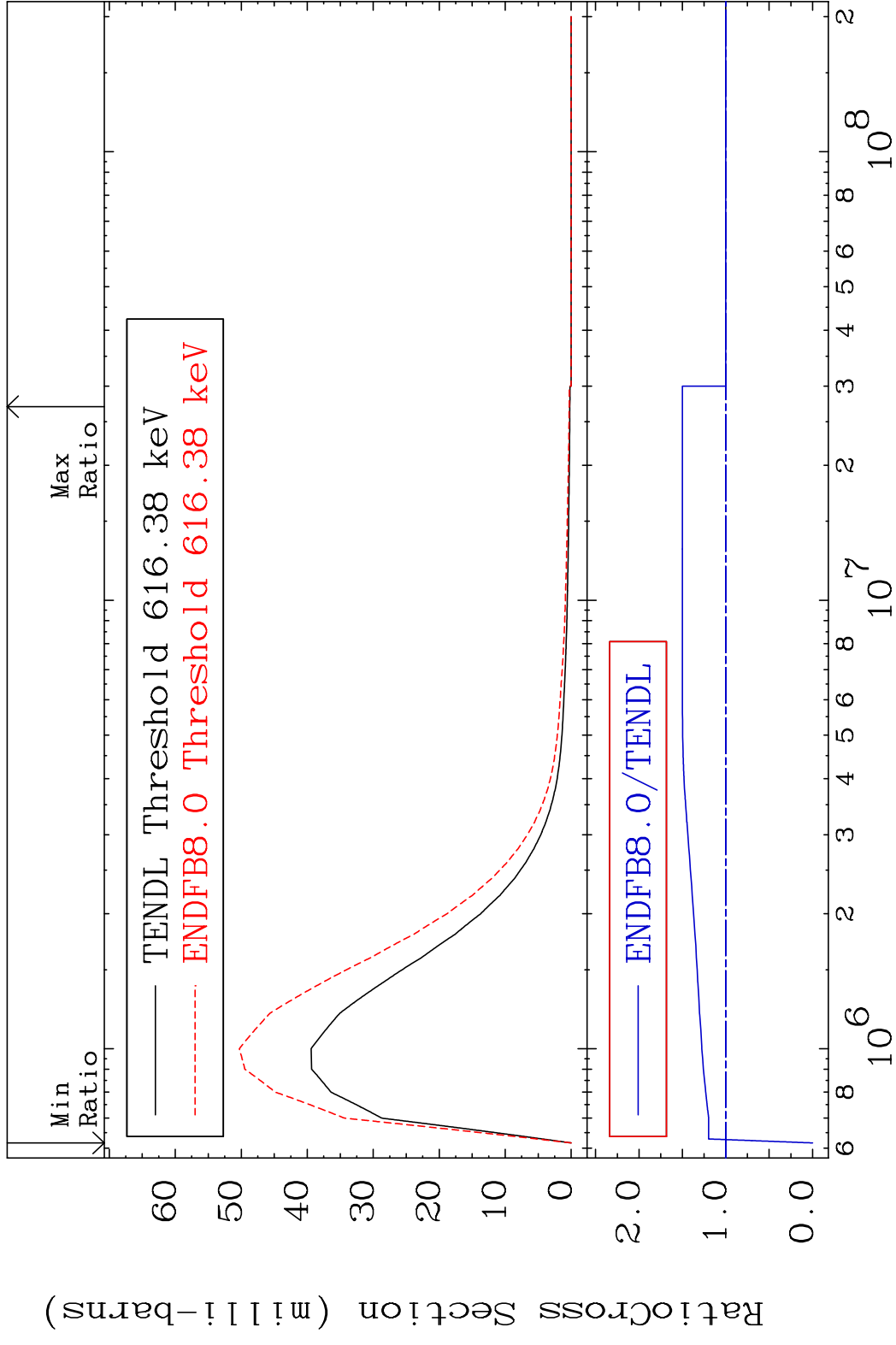
MAT 7828 MT= 72 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 1.708 %



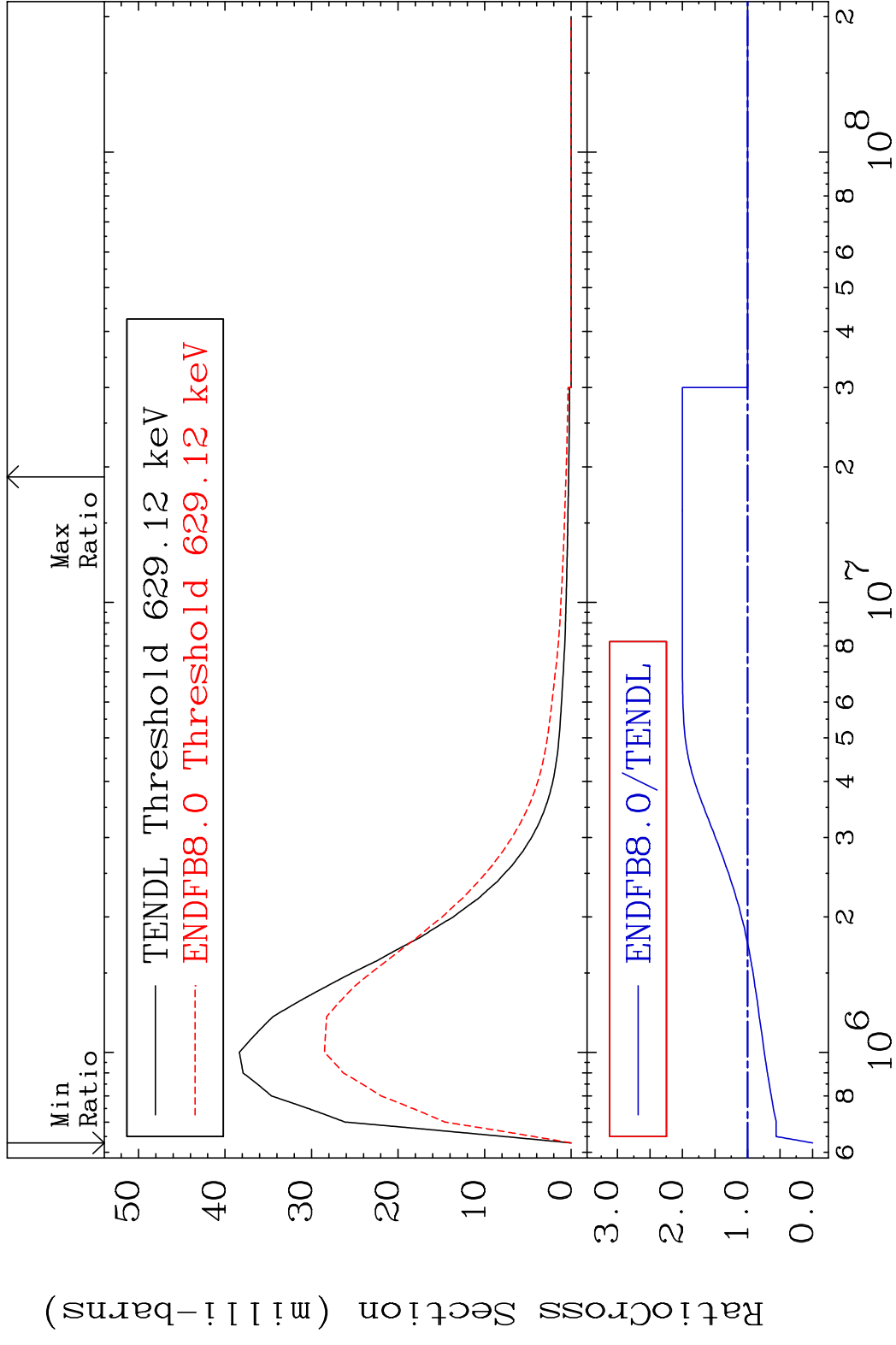
MAT 7828 MT= 73 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 0.000 %



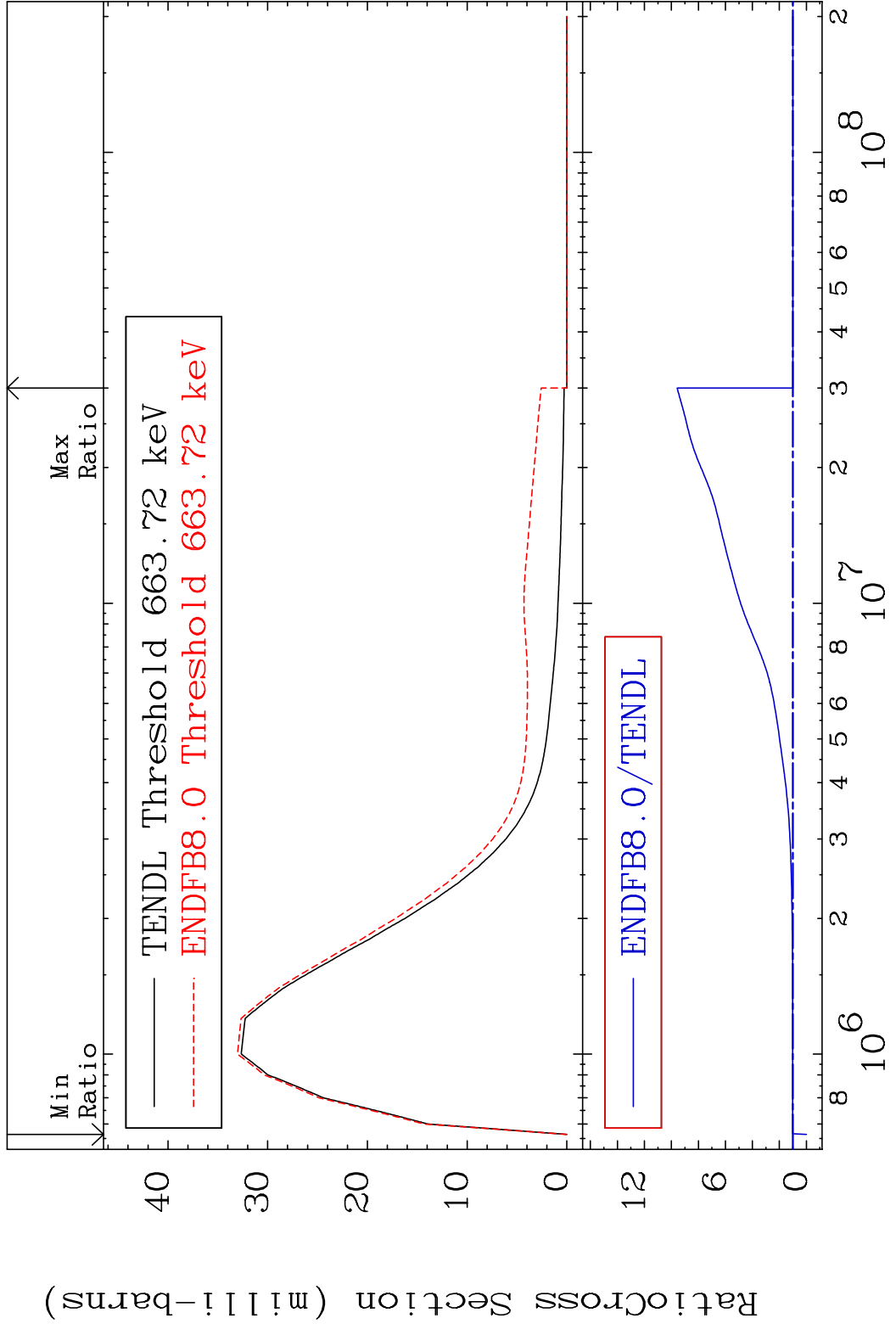
MAT 7828 MT= 74 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 50.02 %



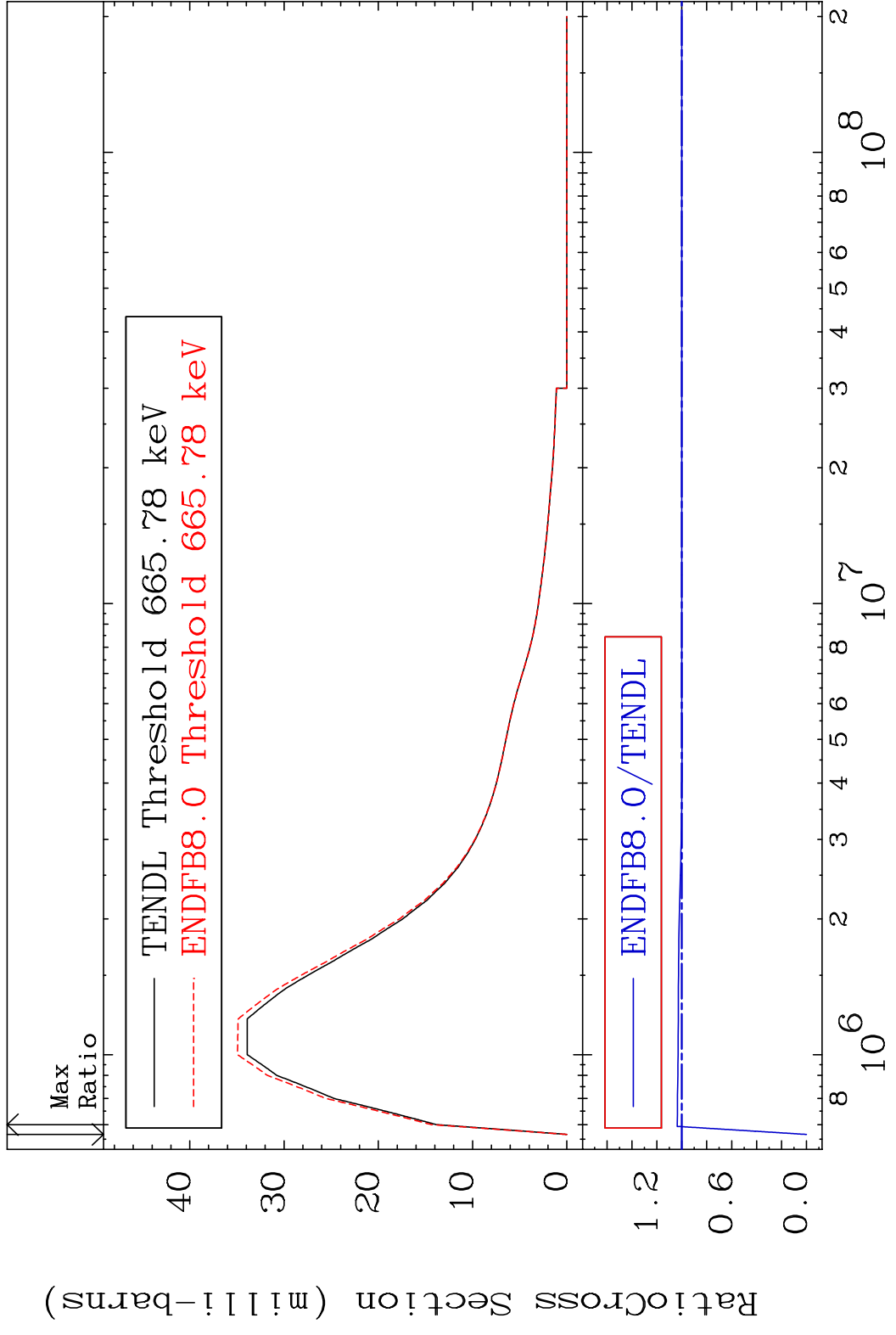
MAT 7828 MT= 75 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 100.2 %



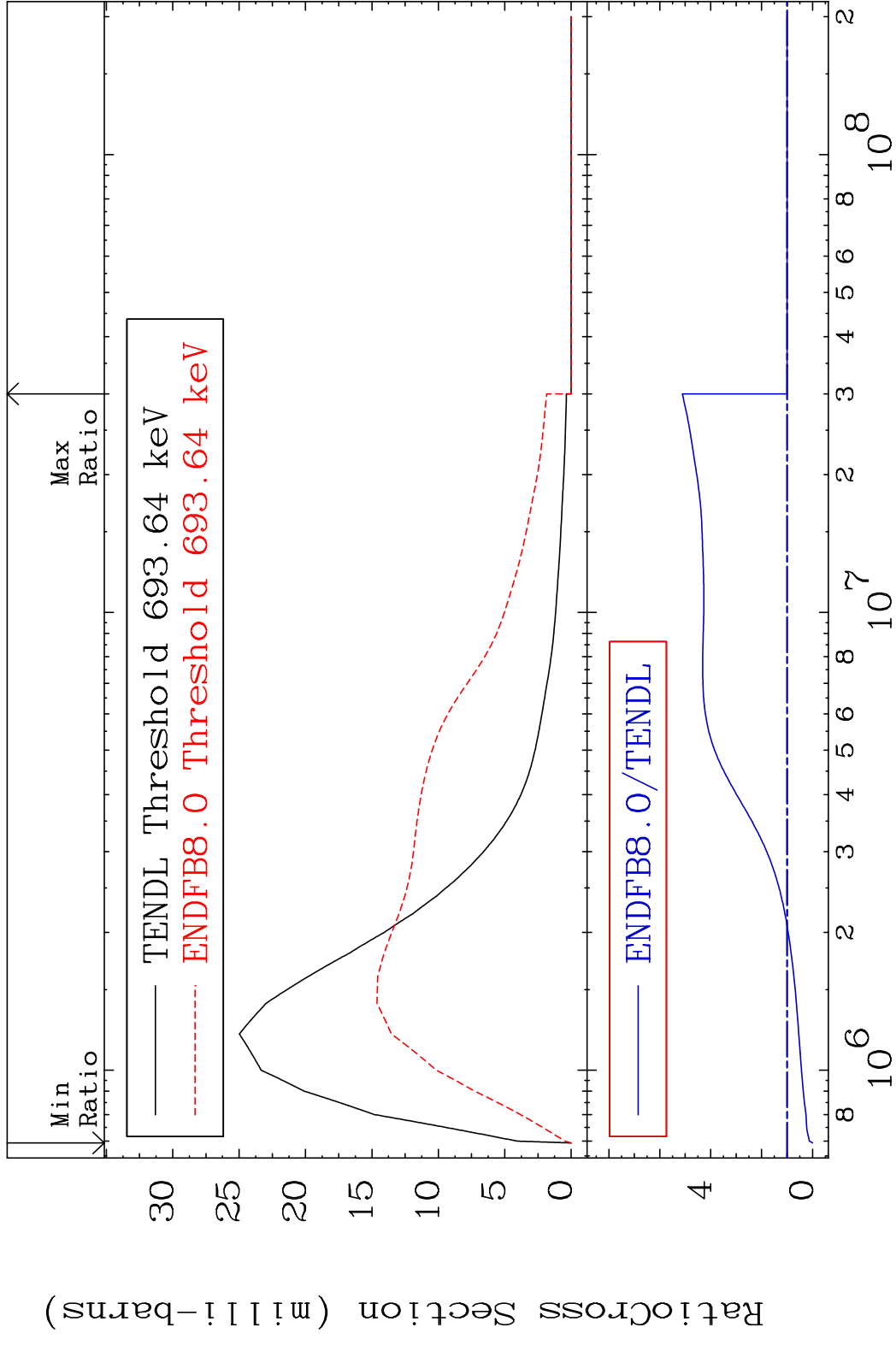
MAT 7828 MT= 76 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 857.2 %



MAT 7828 MT= 77 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 3.724 %

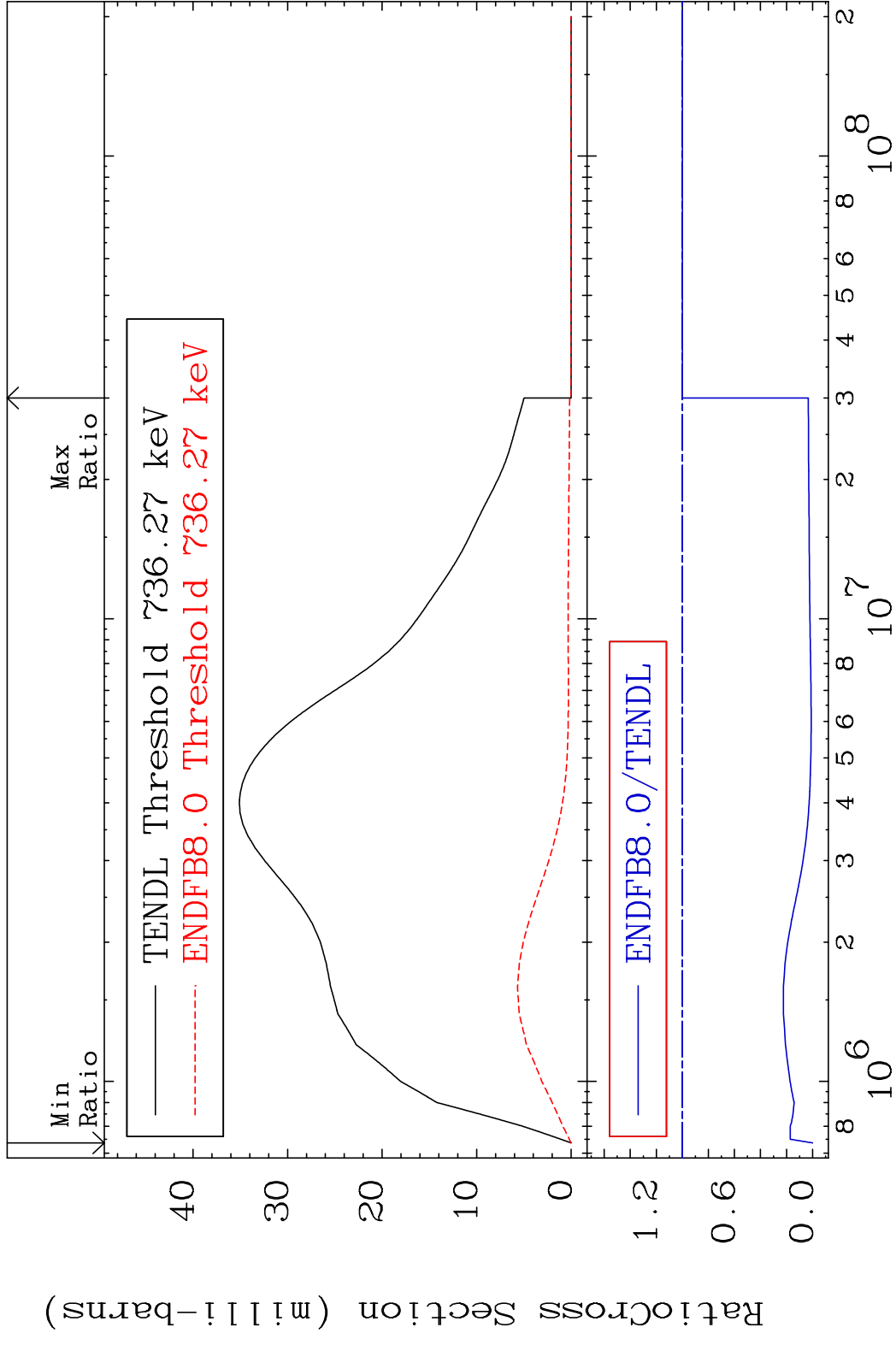


MAT 7828 MT= 78 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 411.3 %



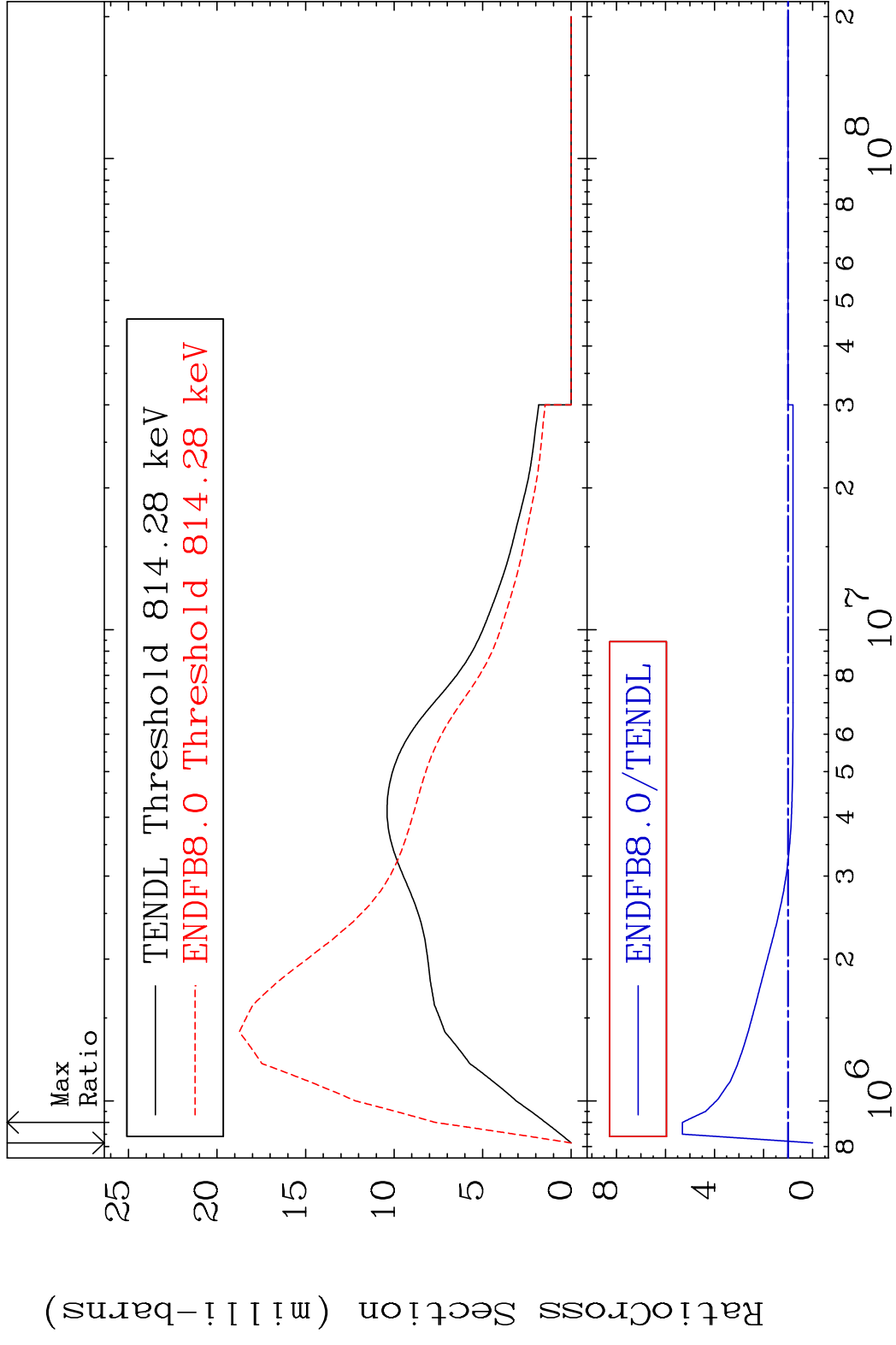


MAT 7828 MT= 79 (n, n') Level 78-Pt-191  
 Cross Section -100.0 To 0.000 %



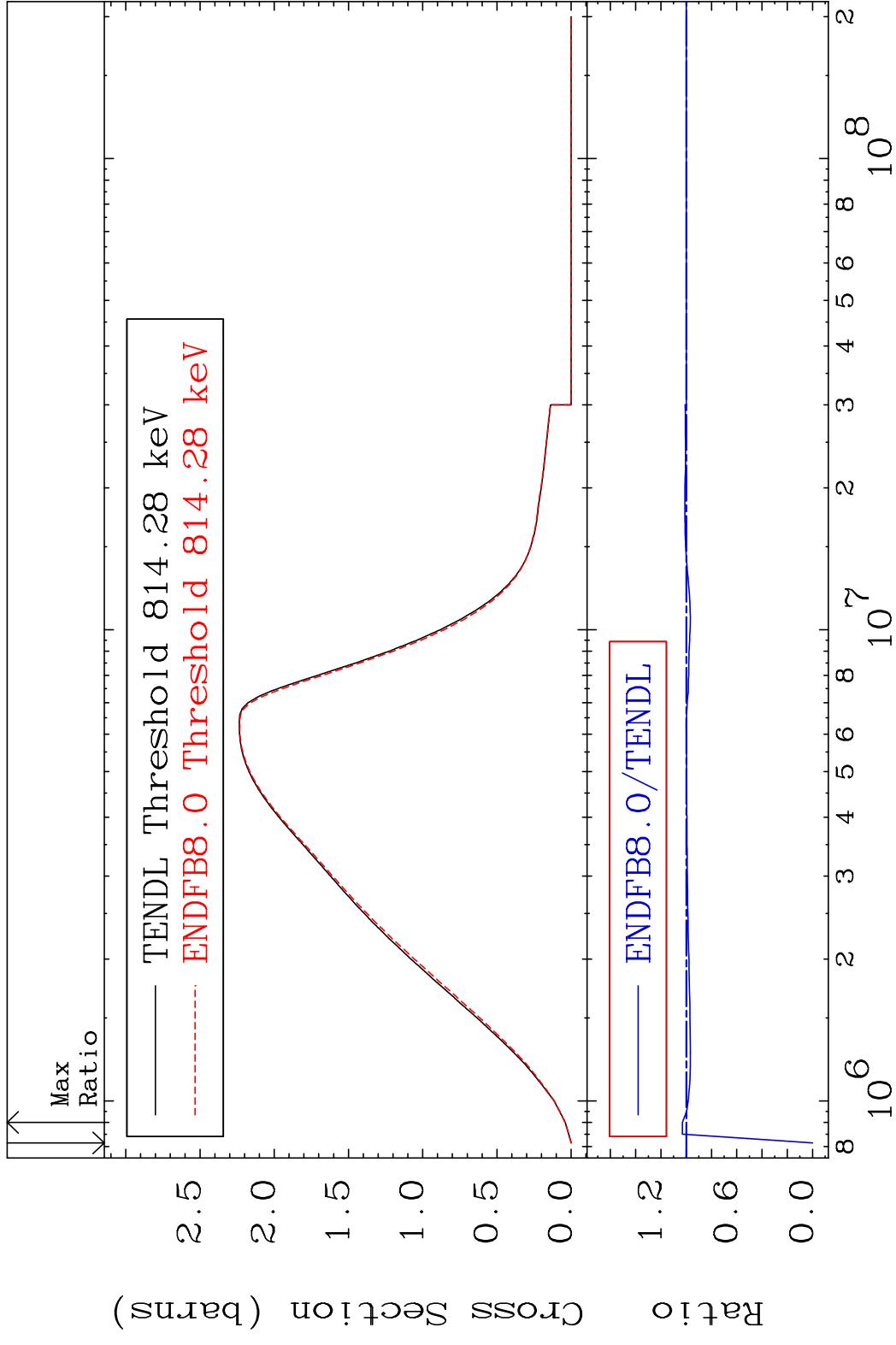
48 Incident Energy (eV) 78-Pt-191

MAT 7828 MT= 80 (n,n') Level 78-Pt-191  
 Cross Section -100.0 To 431.0 %



49 Incident Energy (eV) 78-Pt-191

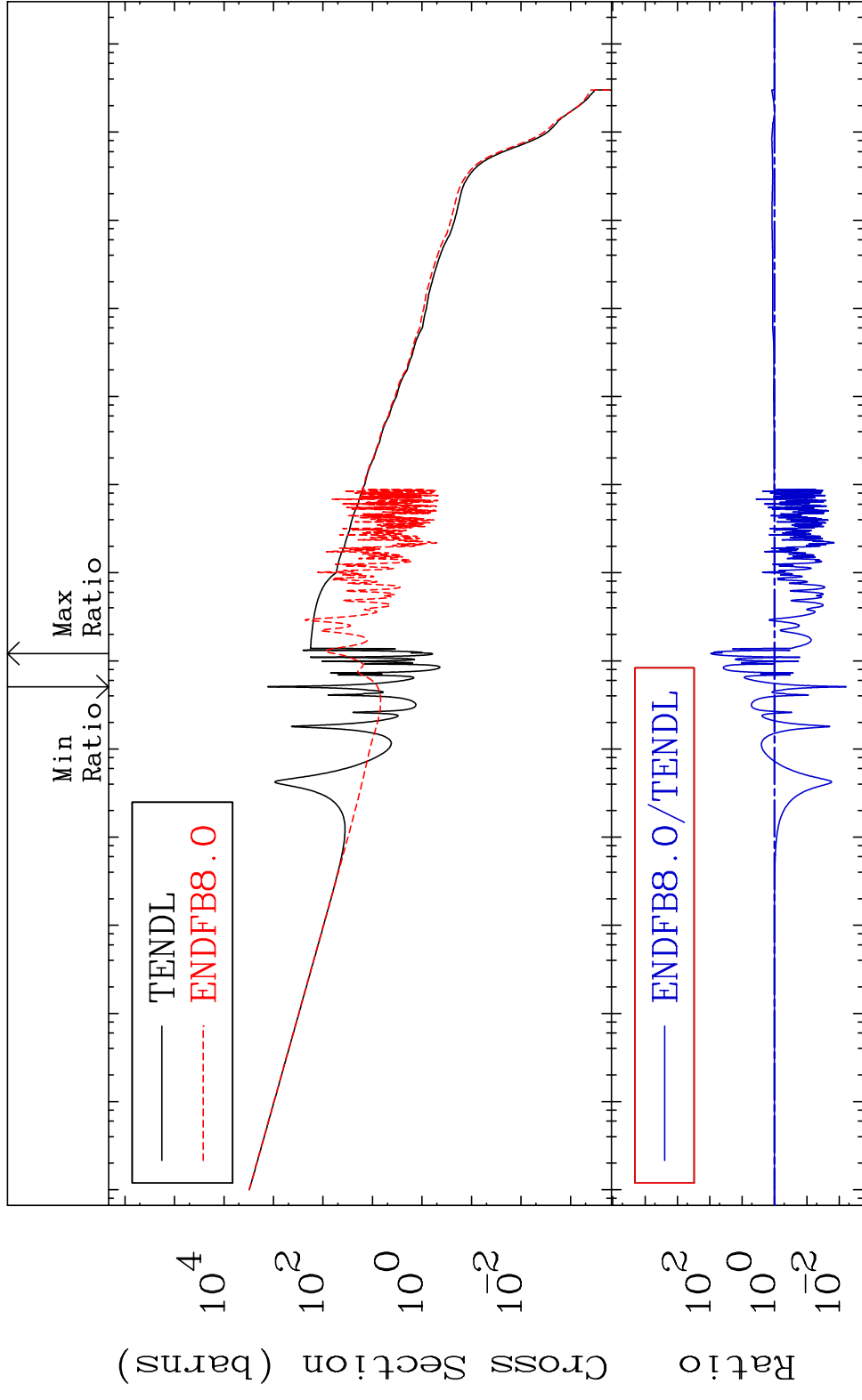
MAT 7828 (n,n') Continuum 78-Pt-191  
 Cross Section -100.0 To 3.060 %



MAT 7828

(n,  $\gamma$ )  
Cross Section -99.40 To 9265. %

78-Pt-191



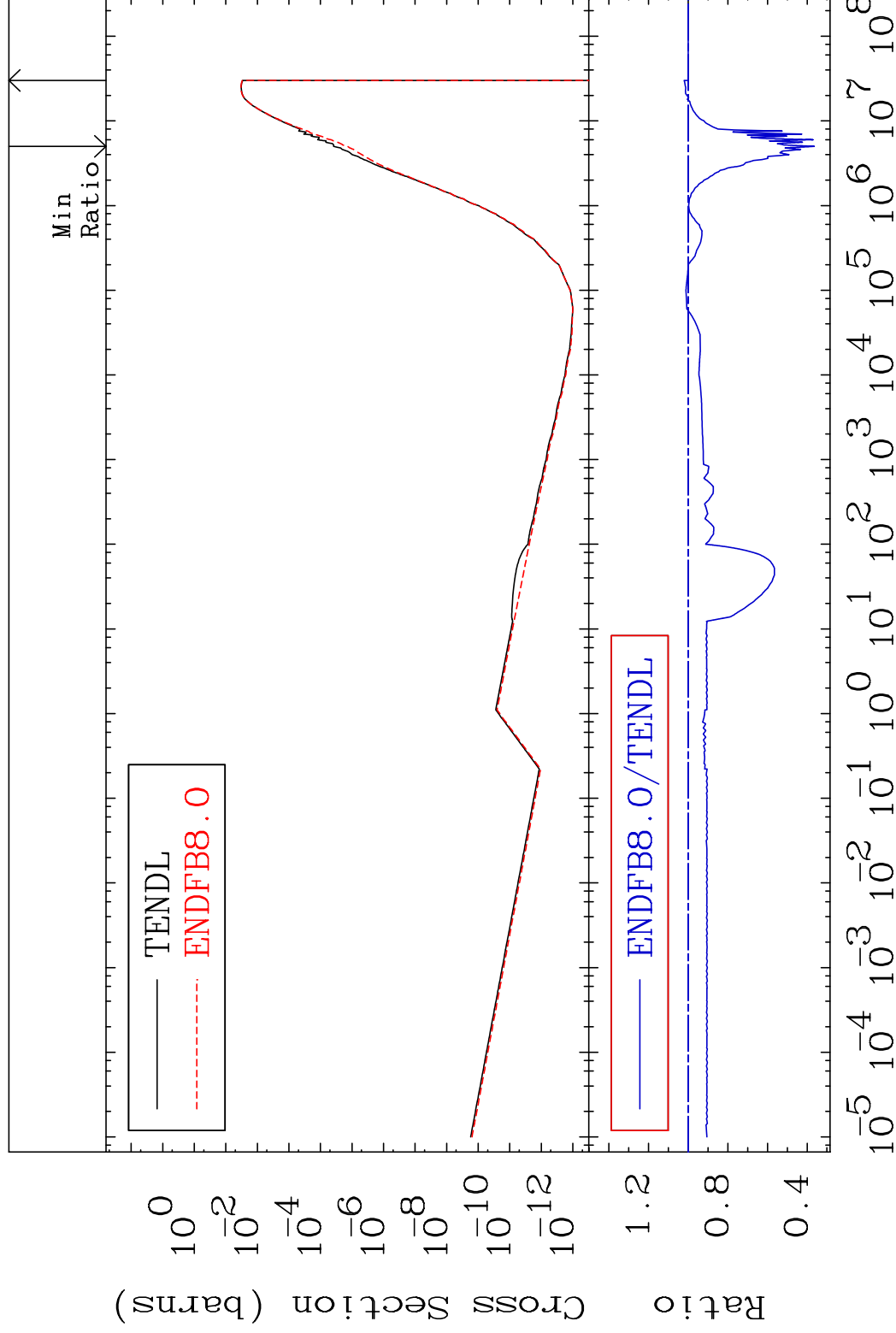
MAT 7828

(n, p)

78-Pt-191

Cross Section

-63.59 To 2.091 %

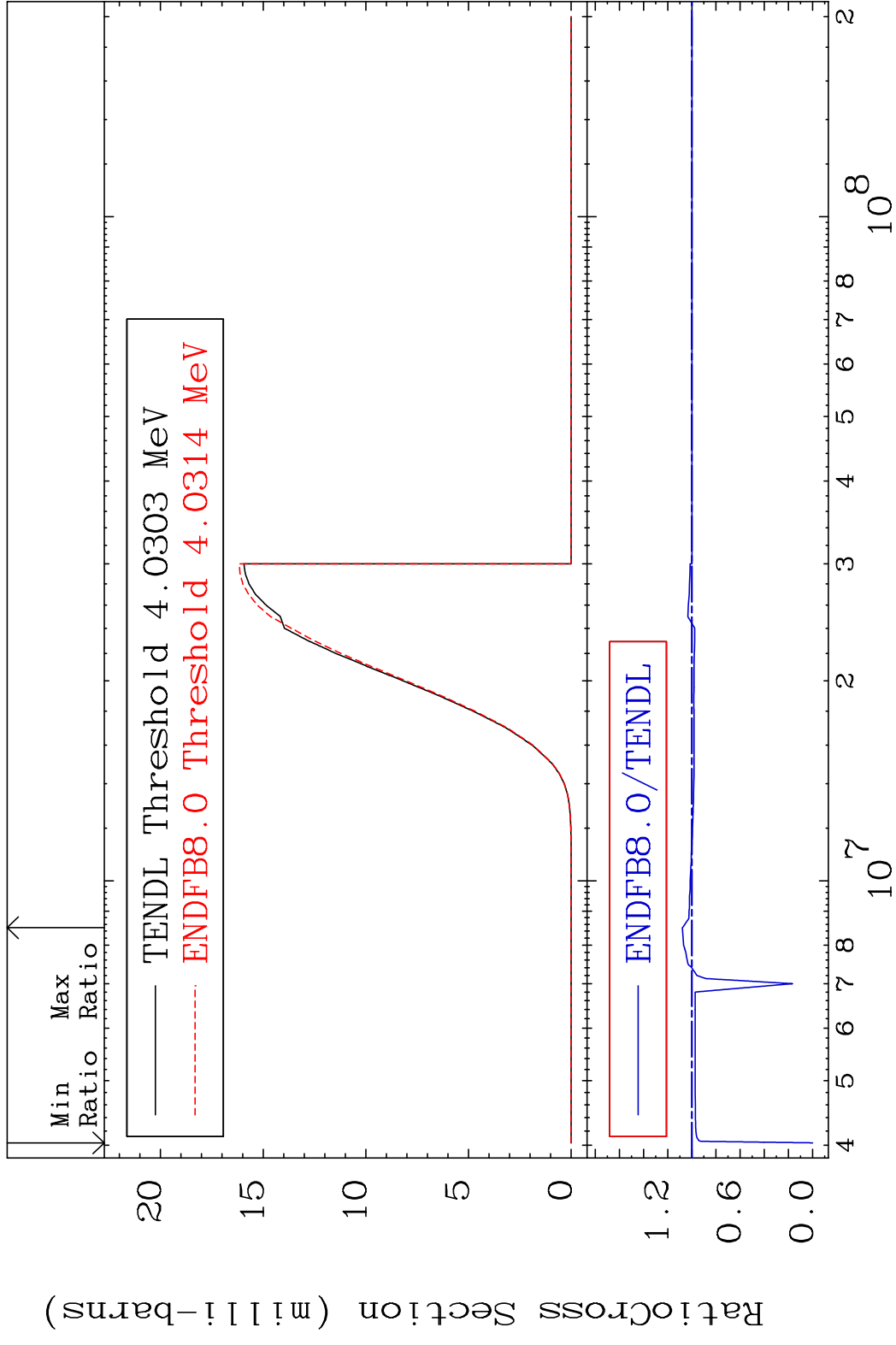


MAT 7828

(n,d)

78-Pt-191

Cross Section -100.0 To 7.872 %

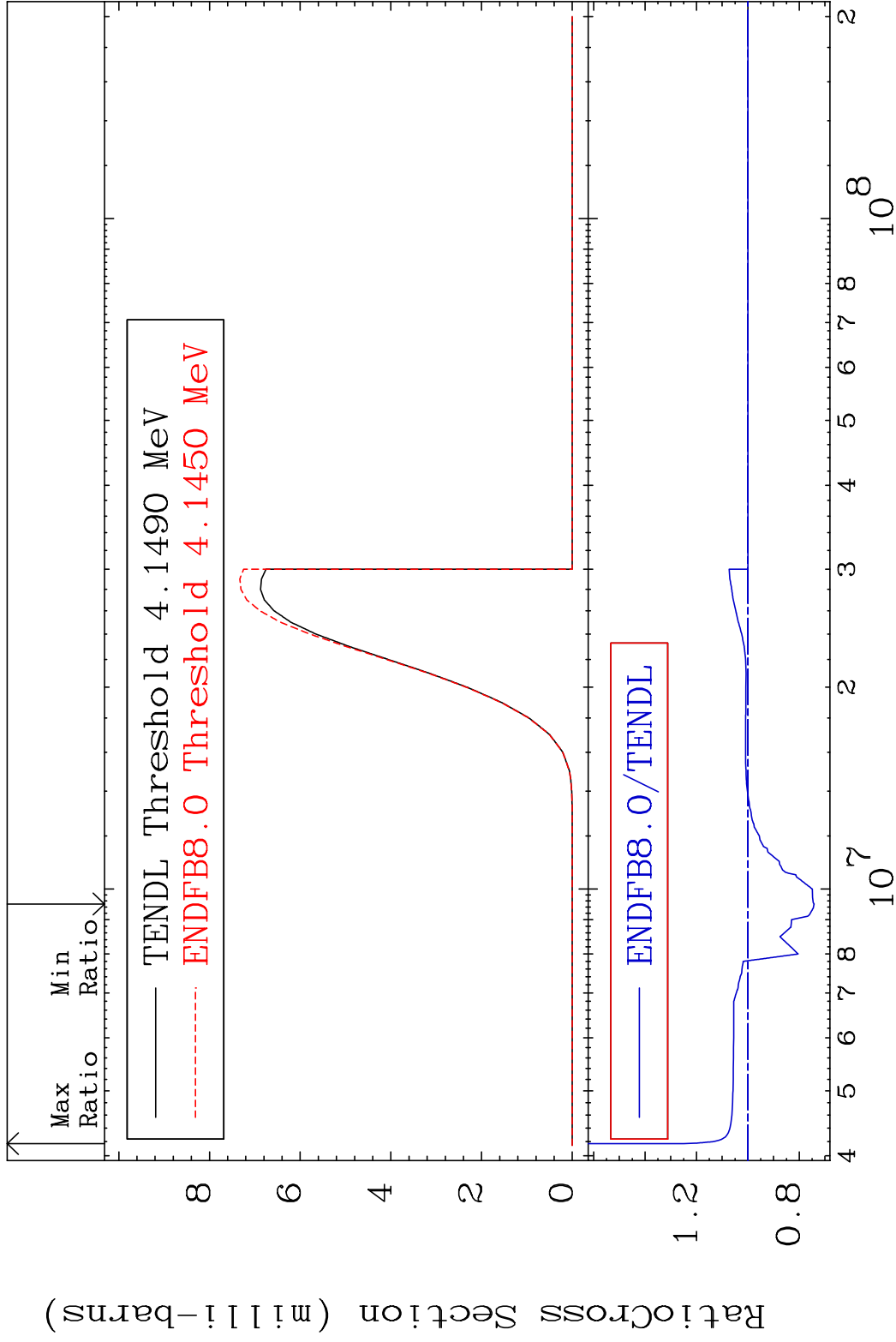


MAT 7828

(n, t)

78-Pt-191

Cross Section -25.77 To 24.98 %

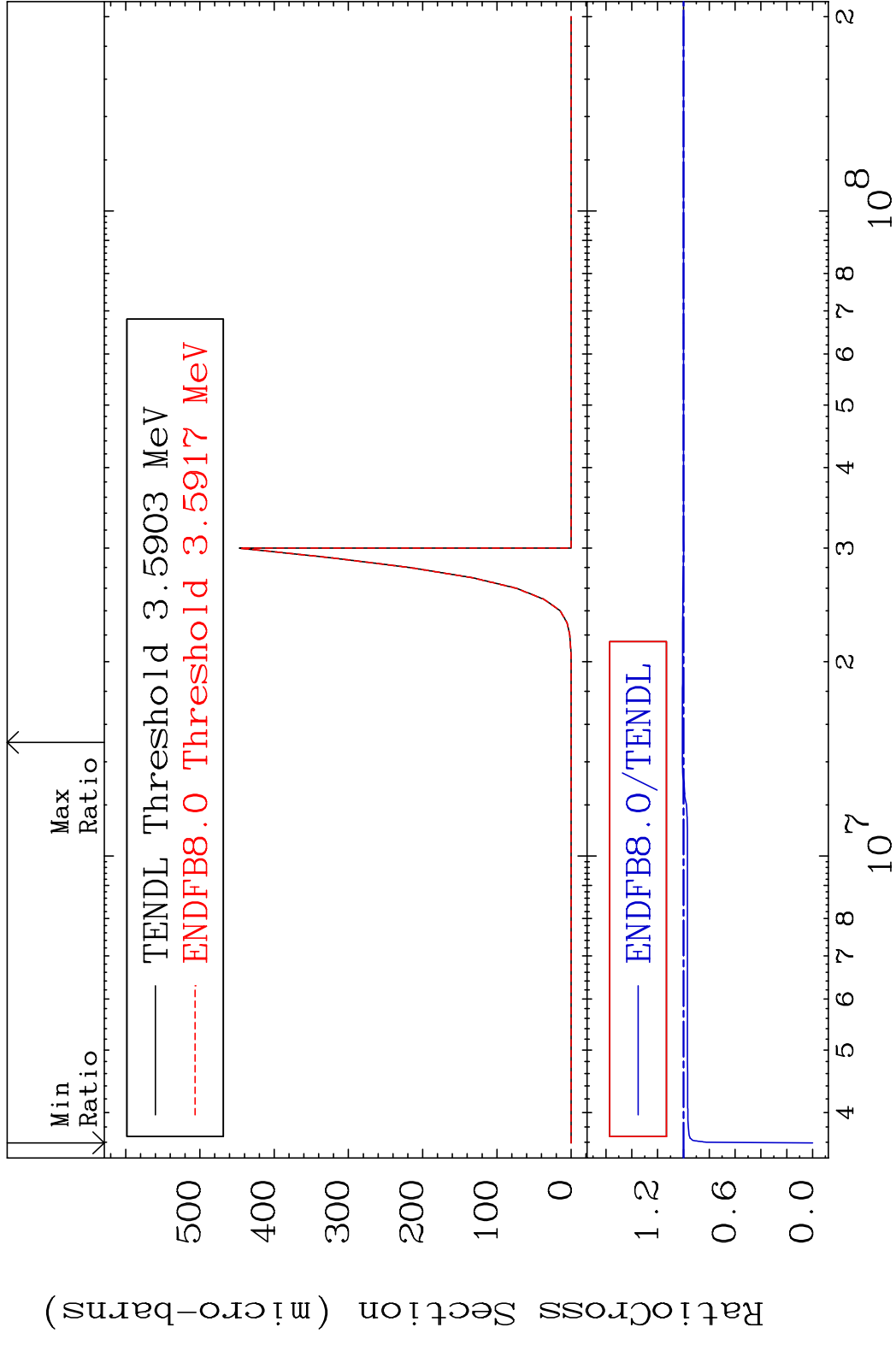


54

Incident Energy (eV)

78-Pt-191

MAT 7828 (n, He-3) 78-Pt-191  
 Cross Section -100.0 To 0.836 %



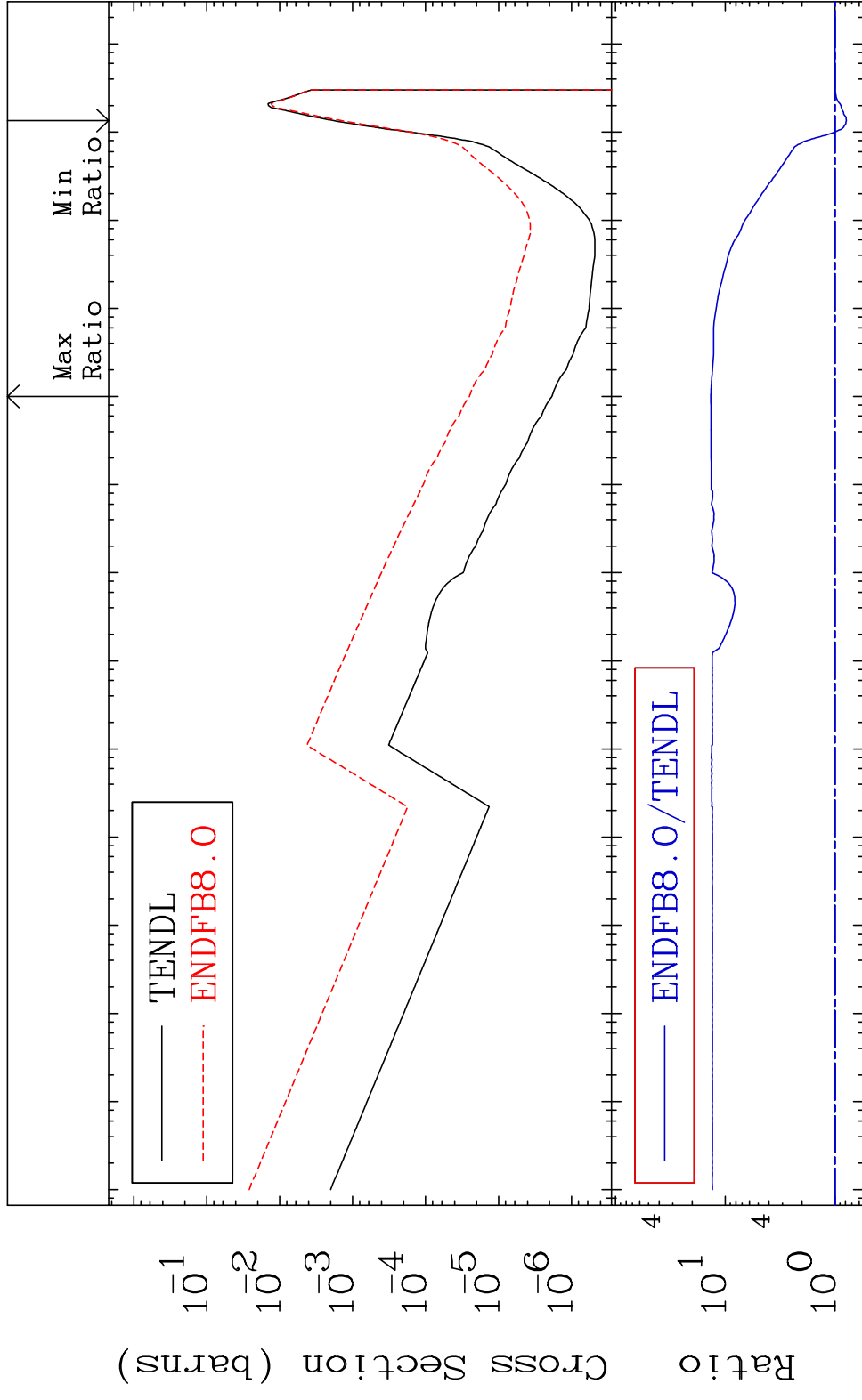


MAT 7828

(n,  $\alpha$ )

78-Pt-191

Cross Section -21.33 To 1255. %

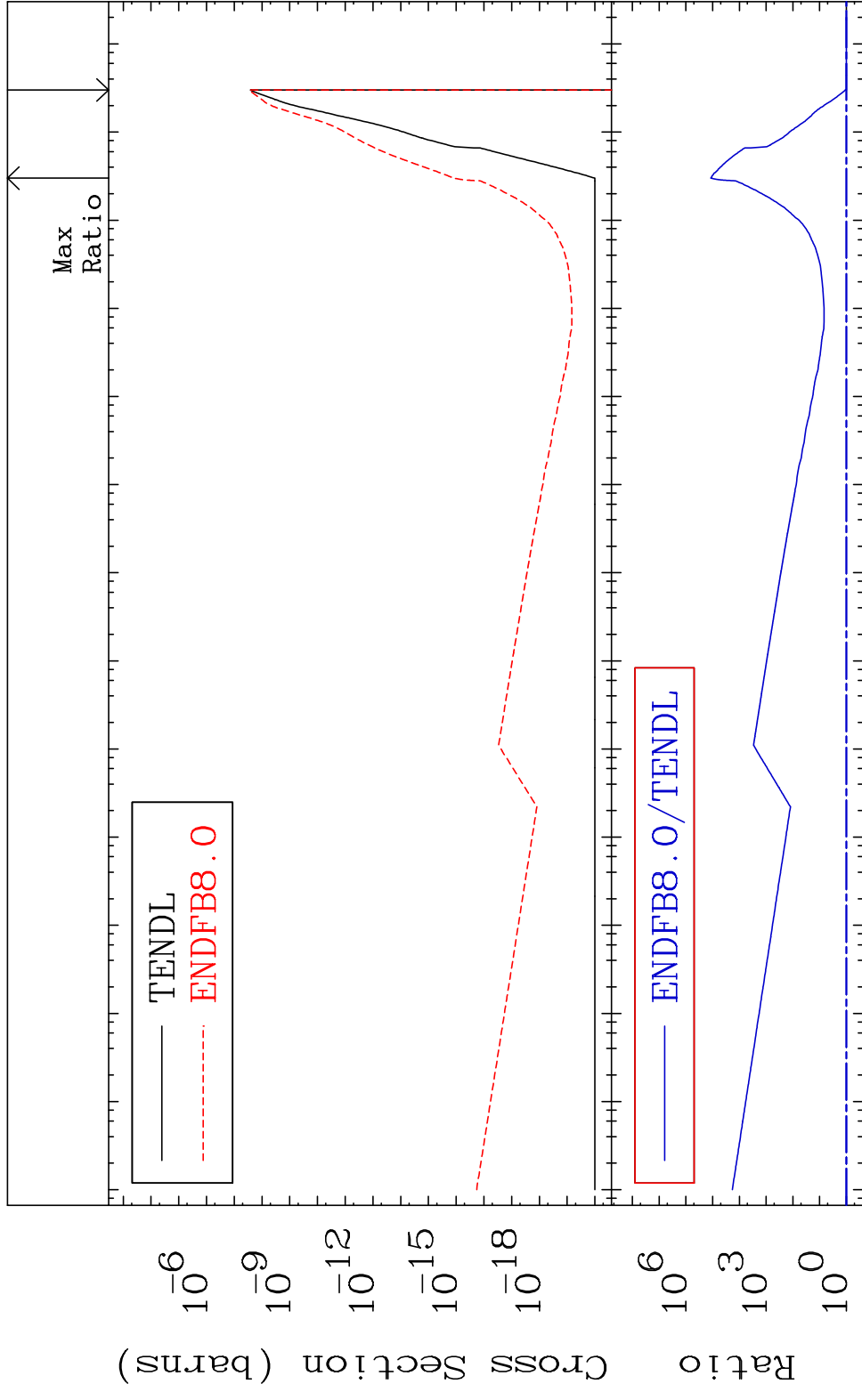


MAT 7828

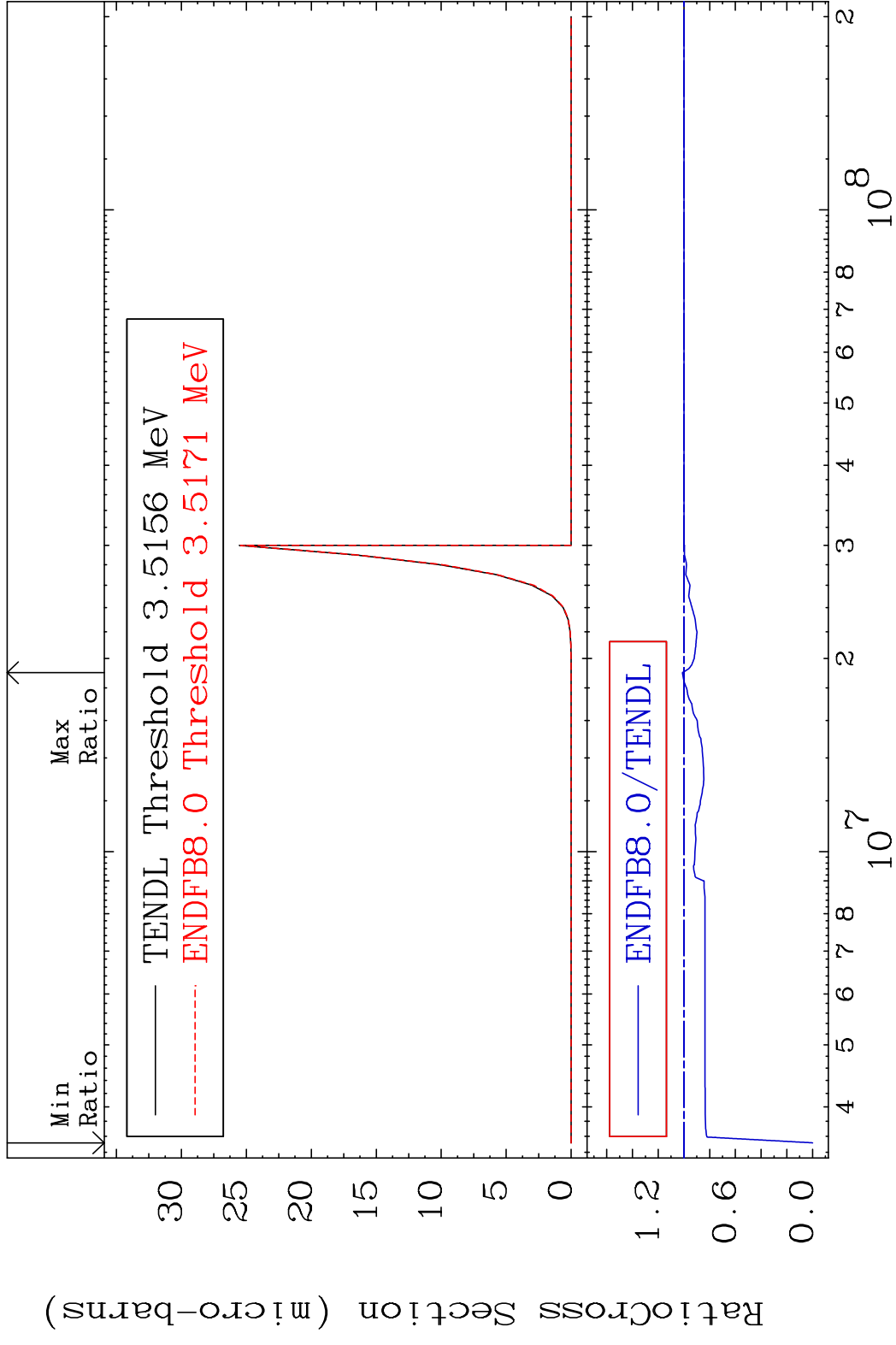
(n,2α)

78-Pt-191

Cross Section 0.000 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>

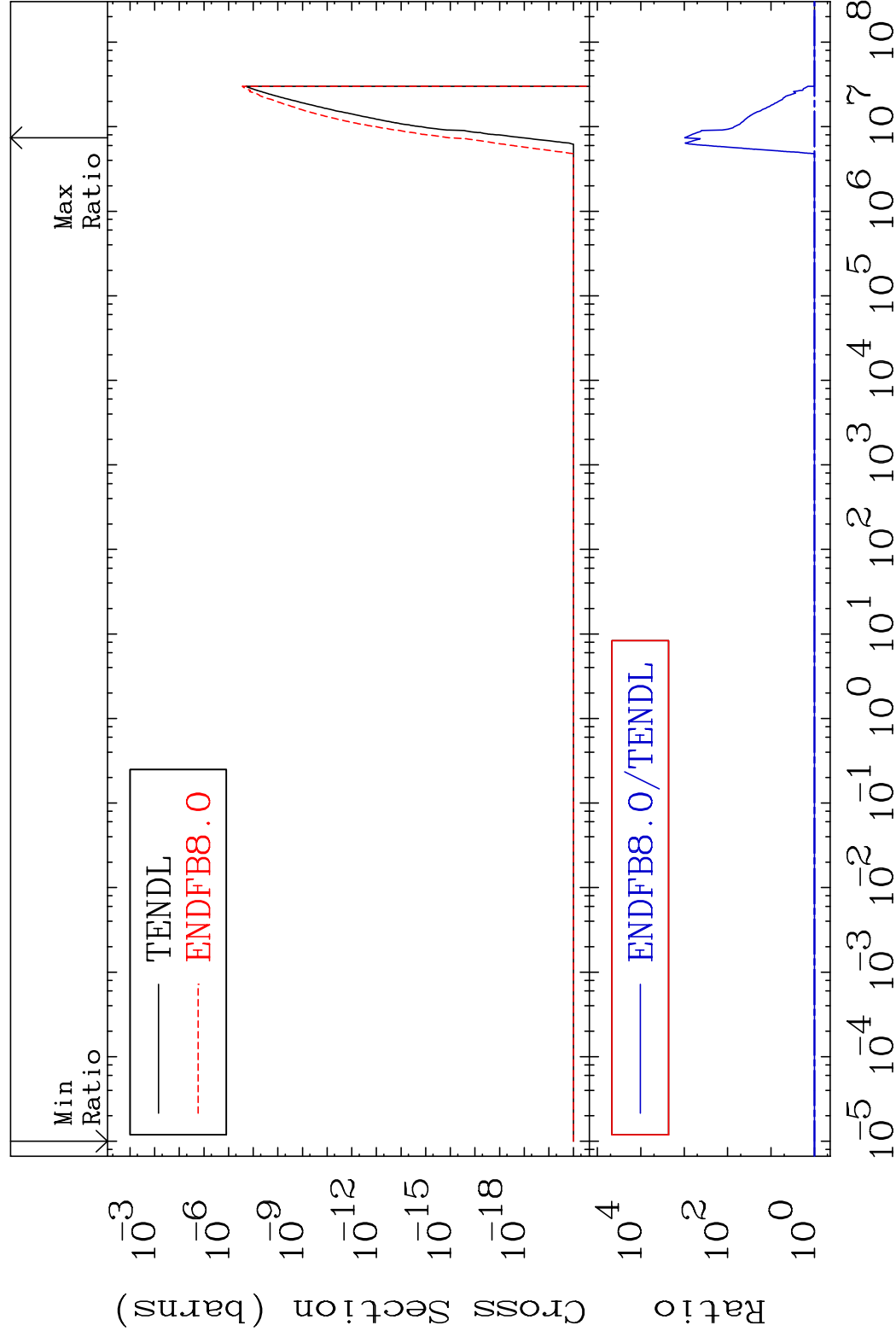


MAT 7828

(n,p)  $\alpha$

78-Pt-191

Cross Section 0.000 To 9999. %

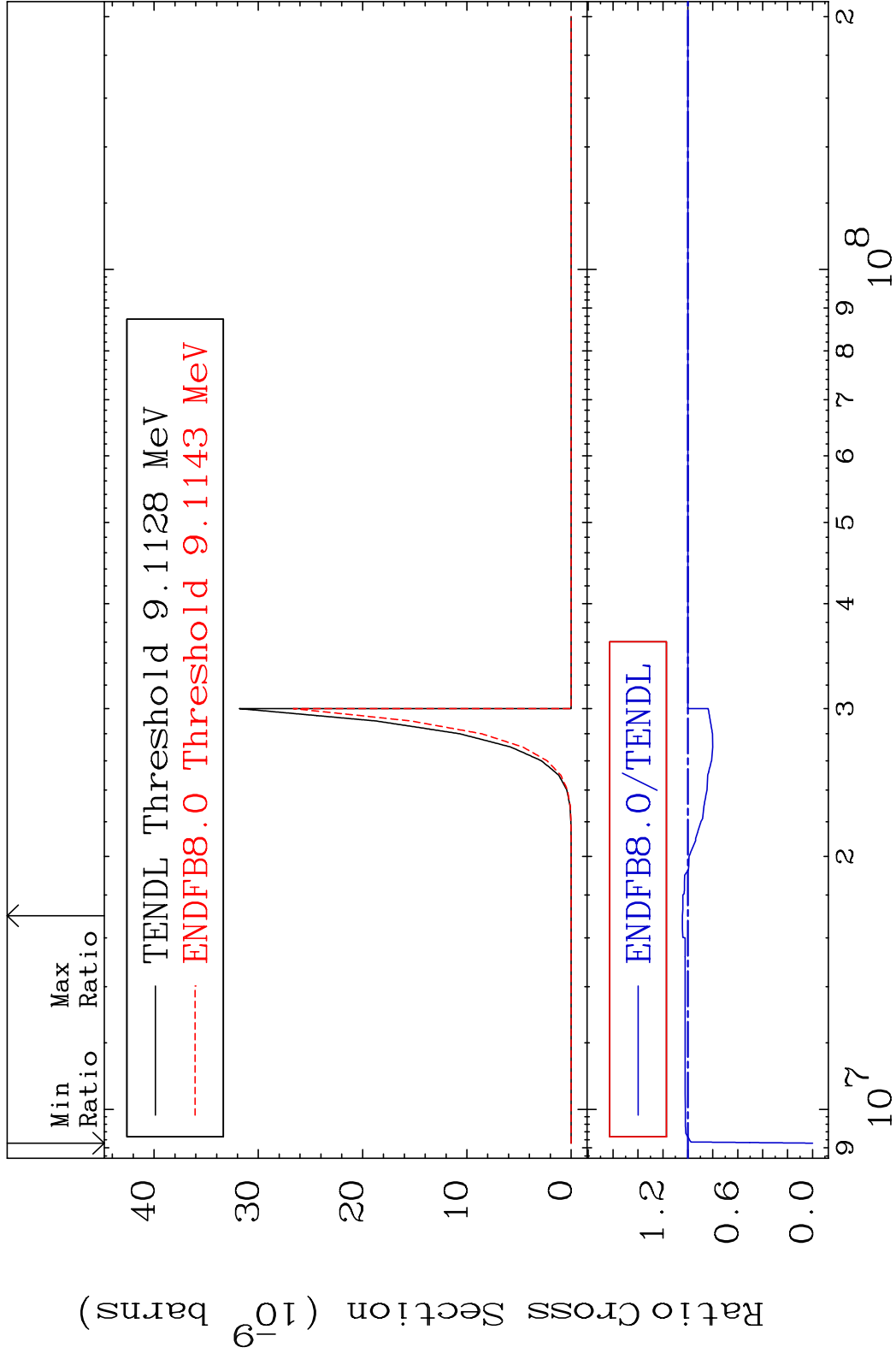


59

Incident Energy (eV)

78-Pt-191

MAT 7828 (n,p) d 78-Pt-191  
 Cross Section -100.0 To 4.440 %



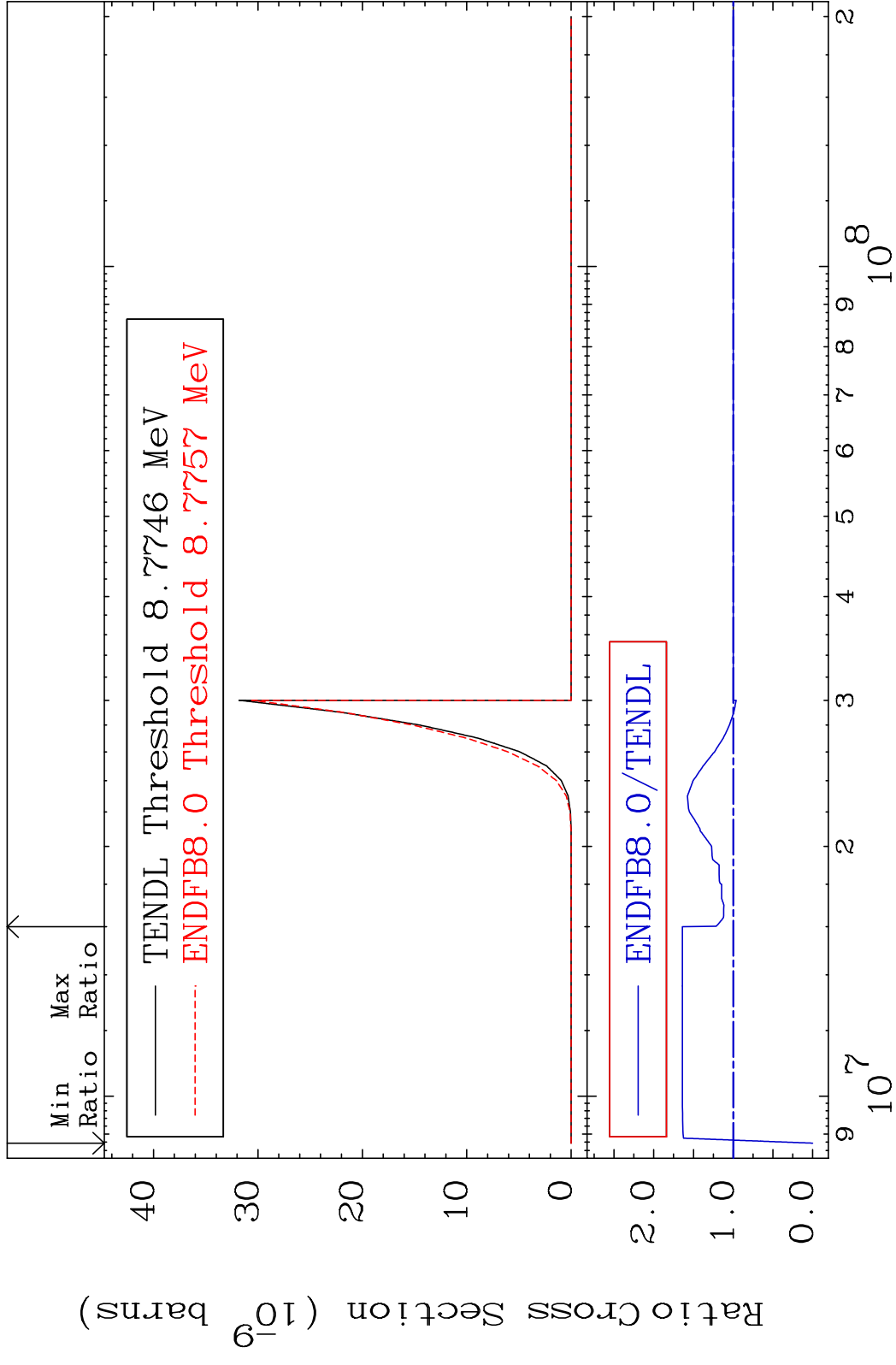
60 78-Pt-191

MAT 7828

(n,p) t

78-Pt-191

Cross Section -100.0 To 63.97 %



61

Incident Energy (eV)

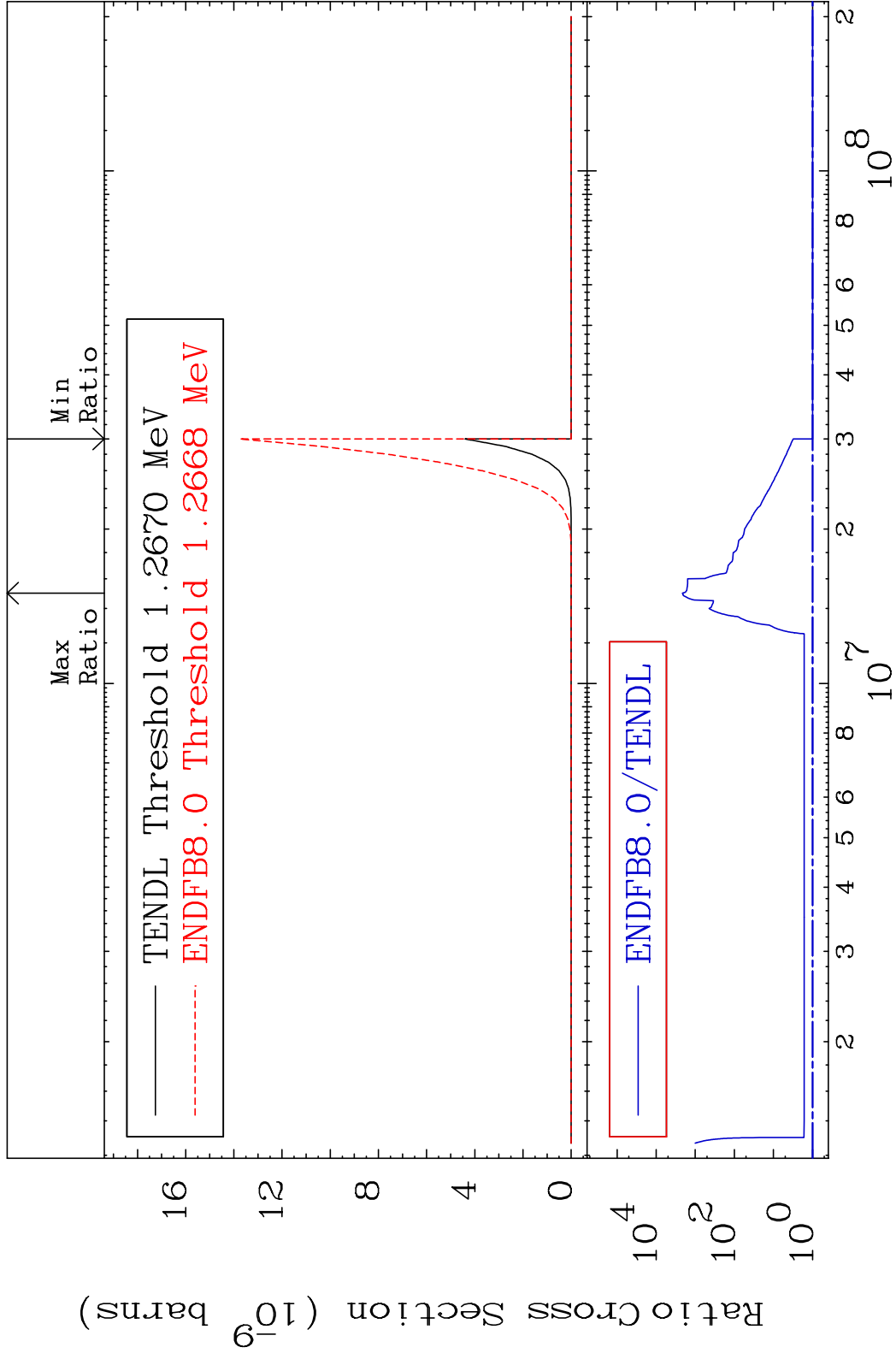
78-Pt-191

MAT 7828

78-Pt-191

(n,d)  $\alpha$

Cross Section 0.000 To 9999. %

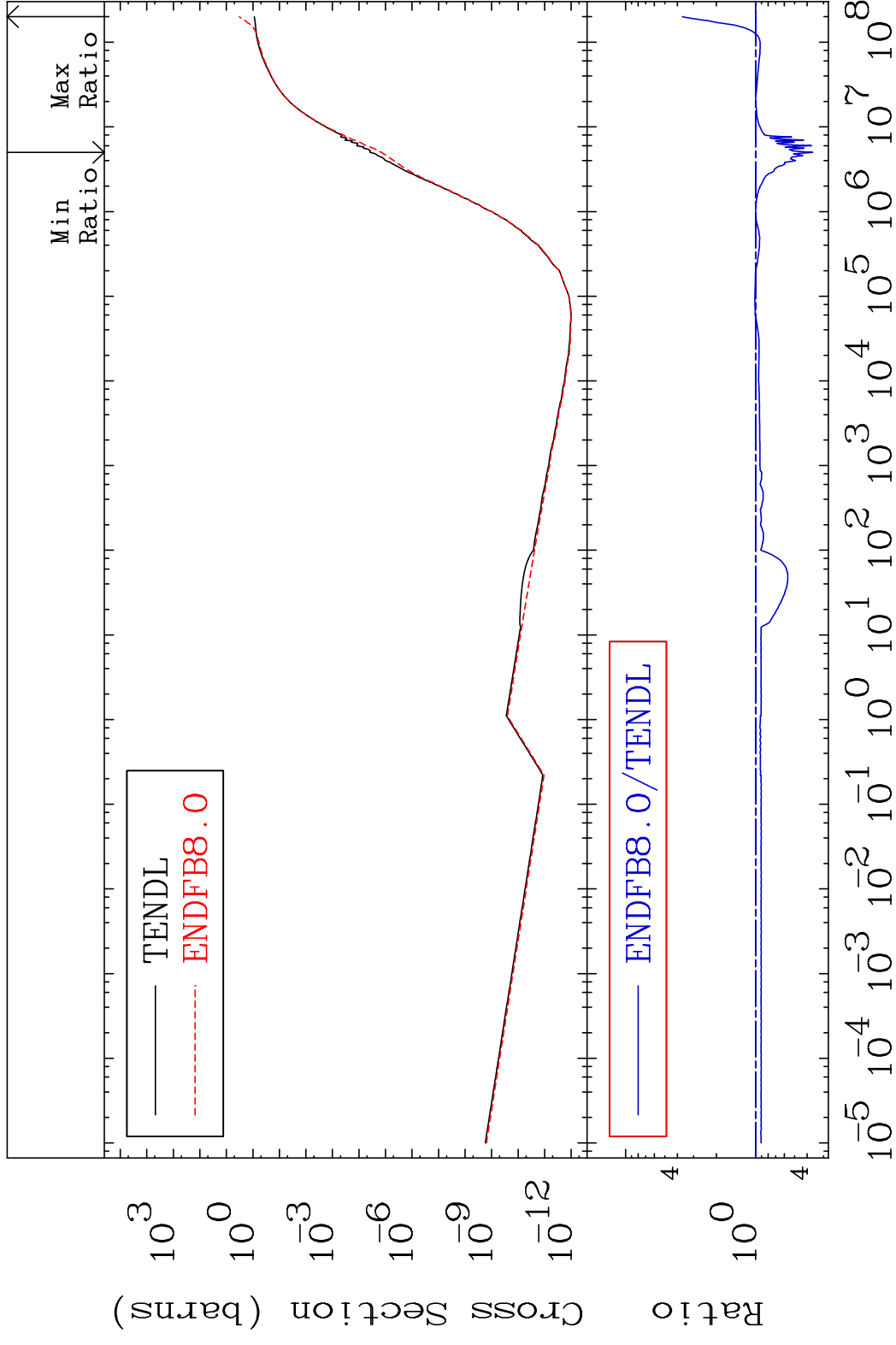


MAT 7828

Hydrogen Production

78-Pt-191

Cross Section -63.59 To 265.8 %



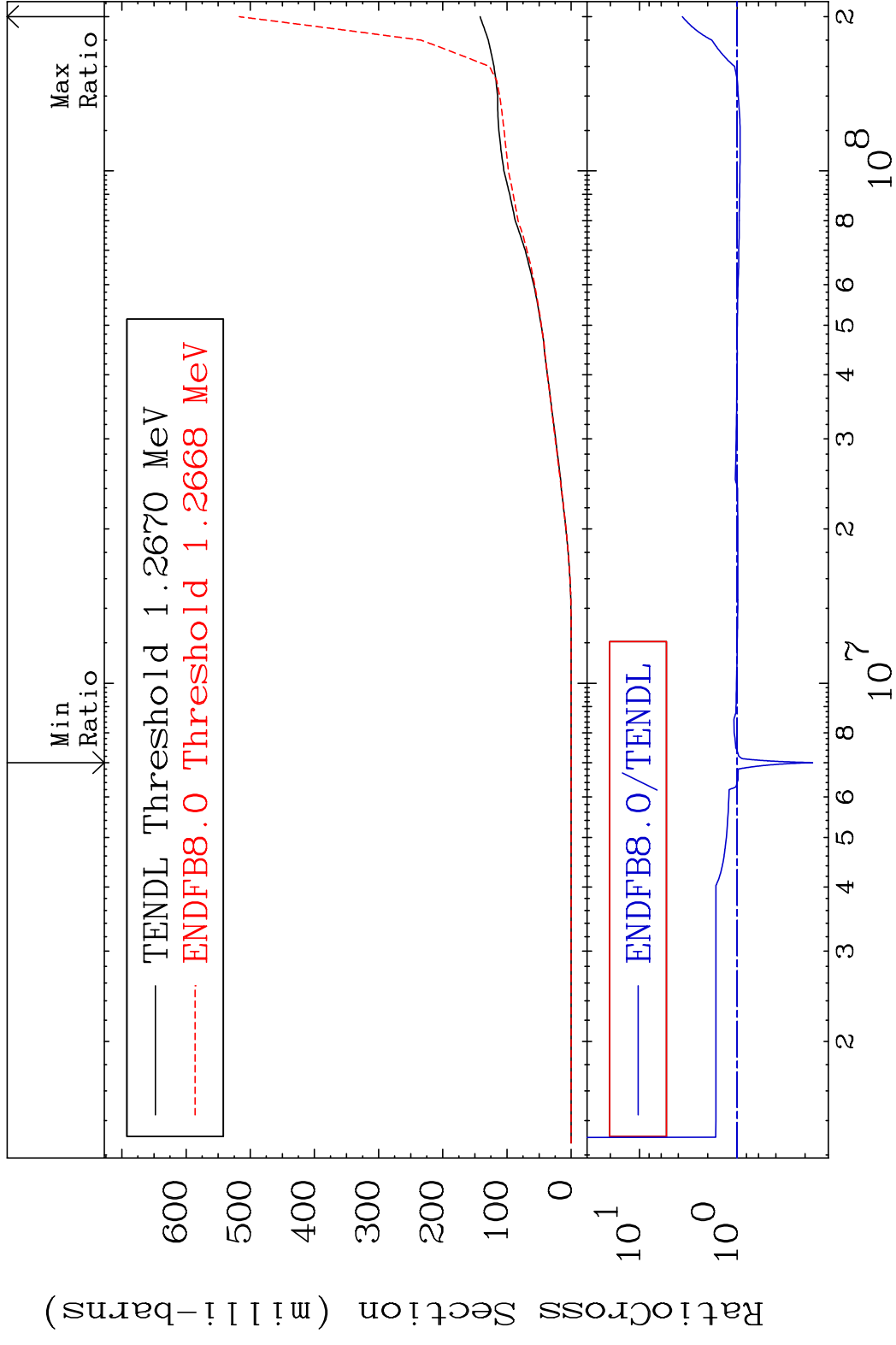
63

Incident Energy (eV)

78-Pt-191

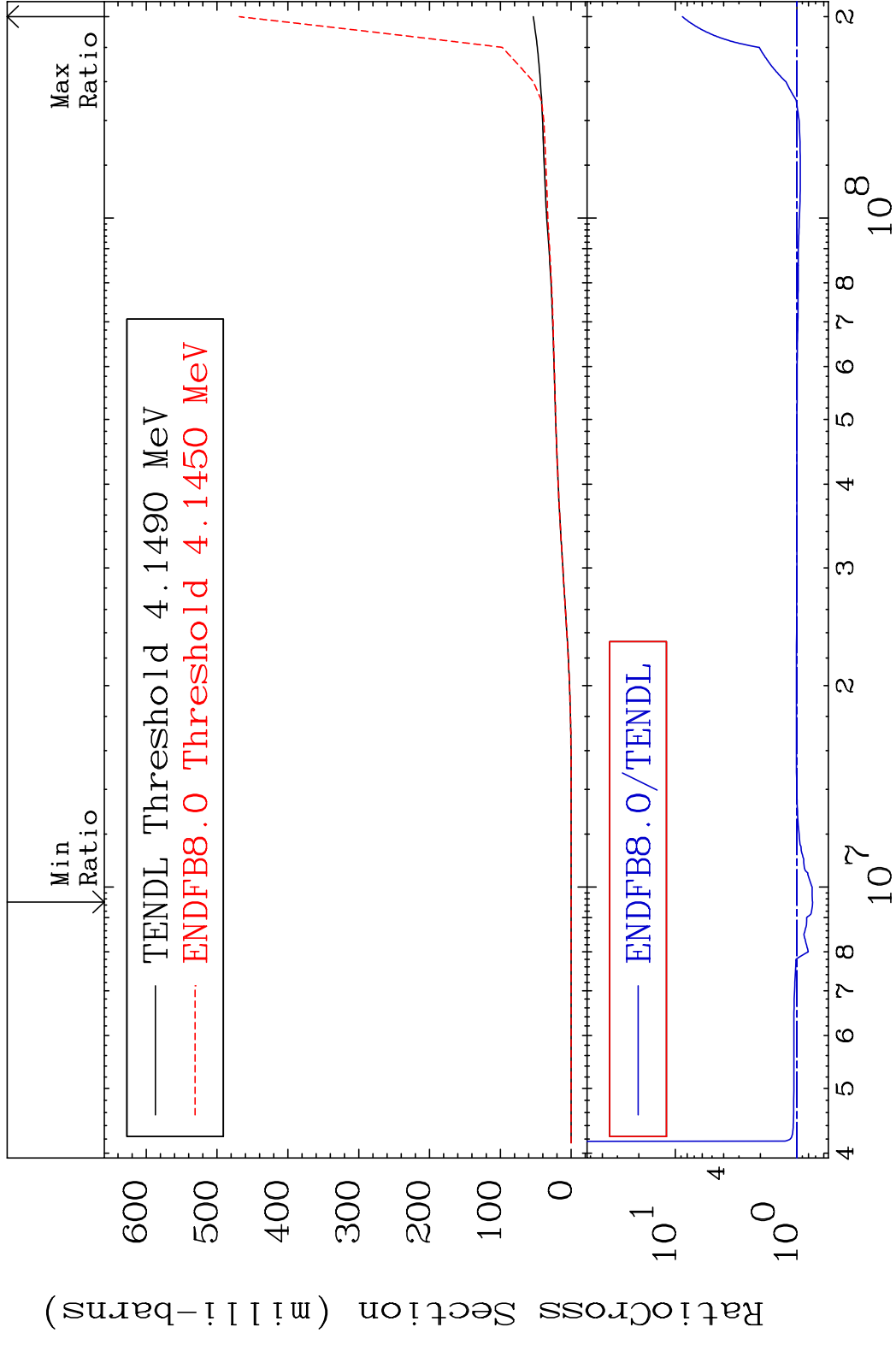


Cross Section -83.23 To 264.1 %



MAT 7828

Tritium Production 78-Pt-191  
Cross Section -25.77 To 776.1 %

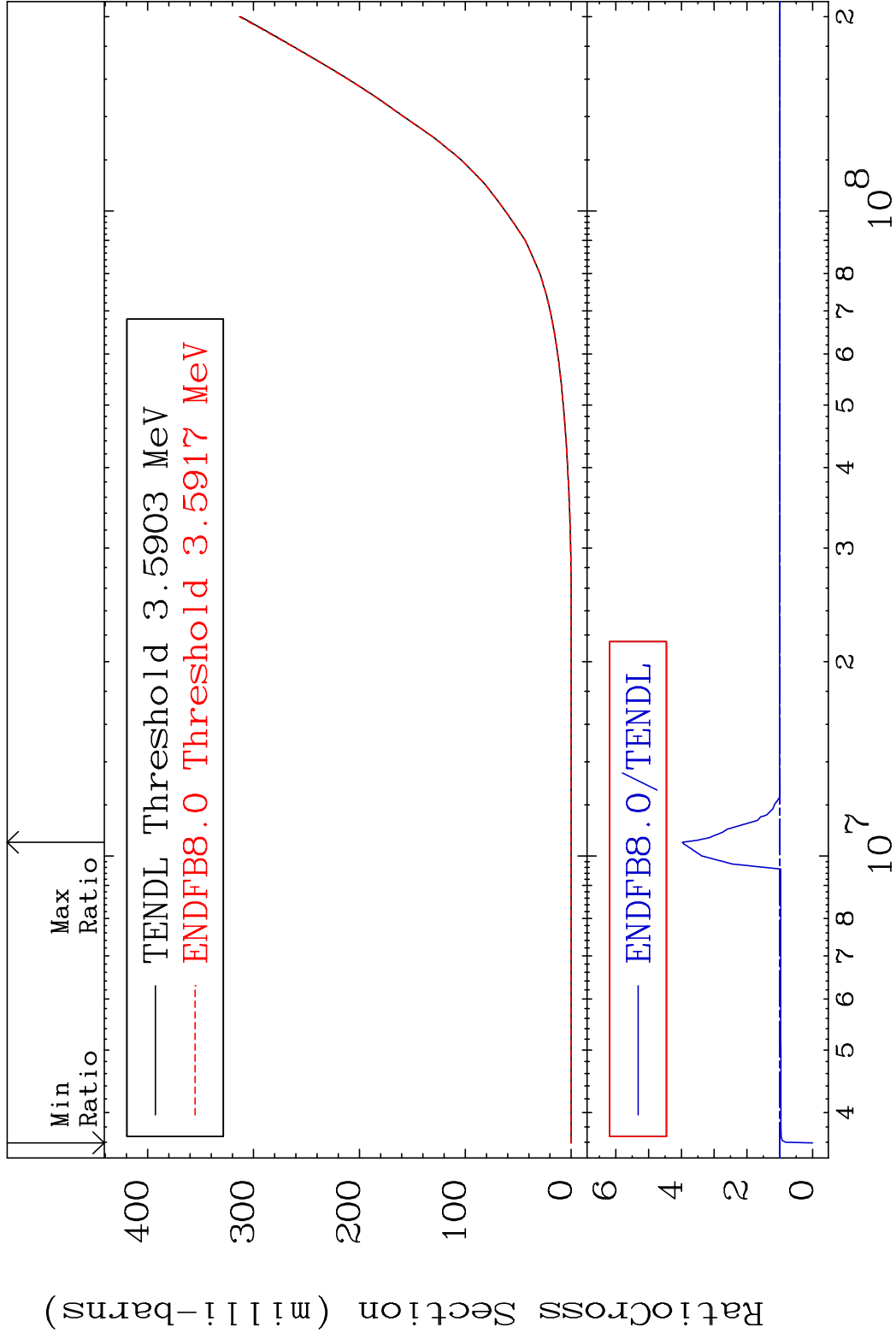


MAT 7828

He-3 Production

78-Pt-191

Cross Section -100.0 To 297.1 %



66

Incident Energy (eV)

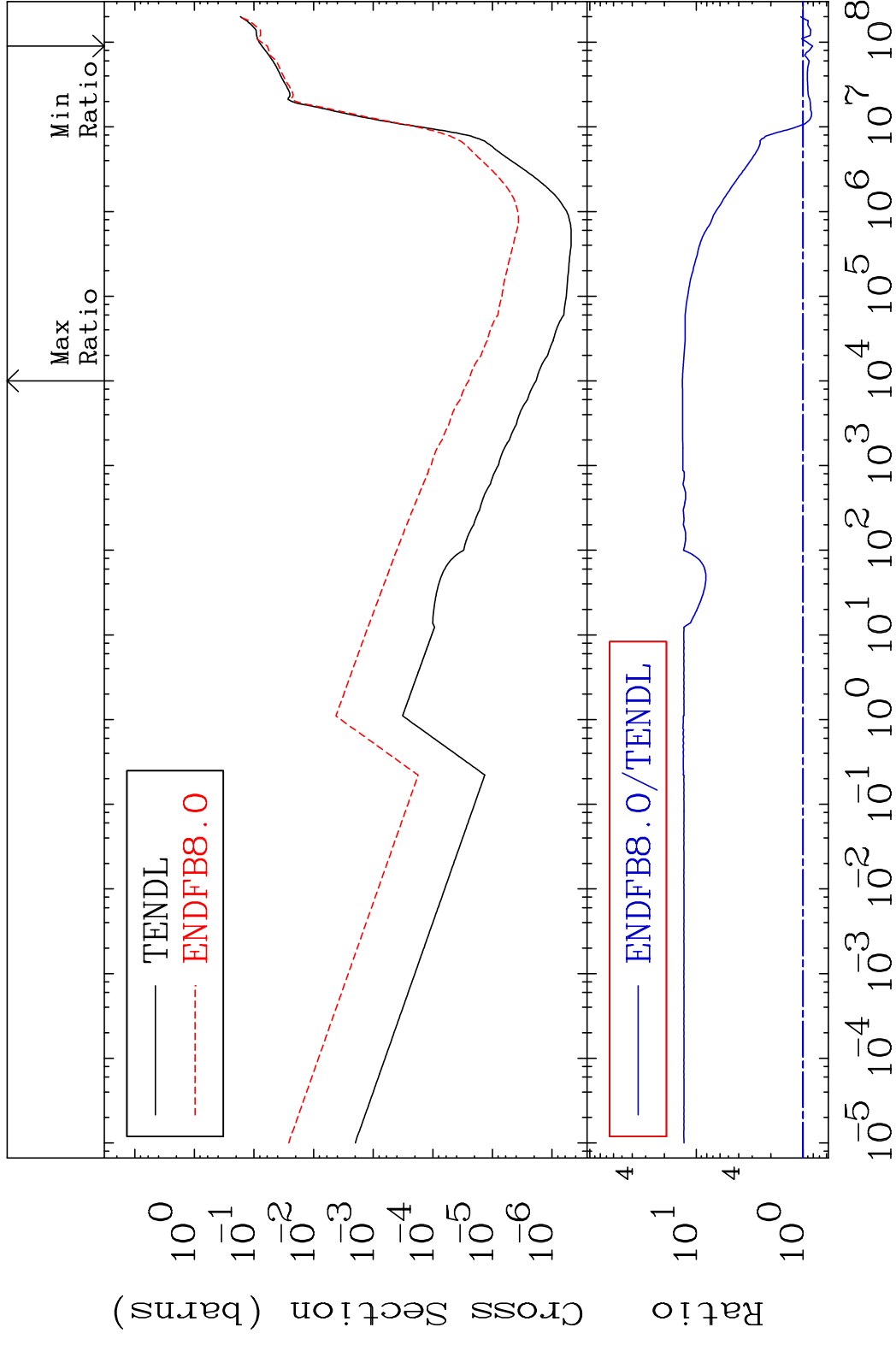
78-Pt-191

MAT 7828

He-4 Production

78-Pt-191

Cross Section -18.73 To 1255. %

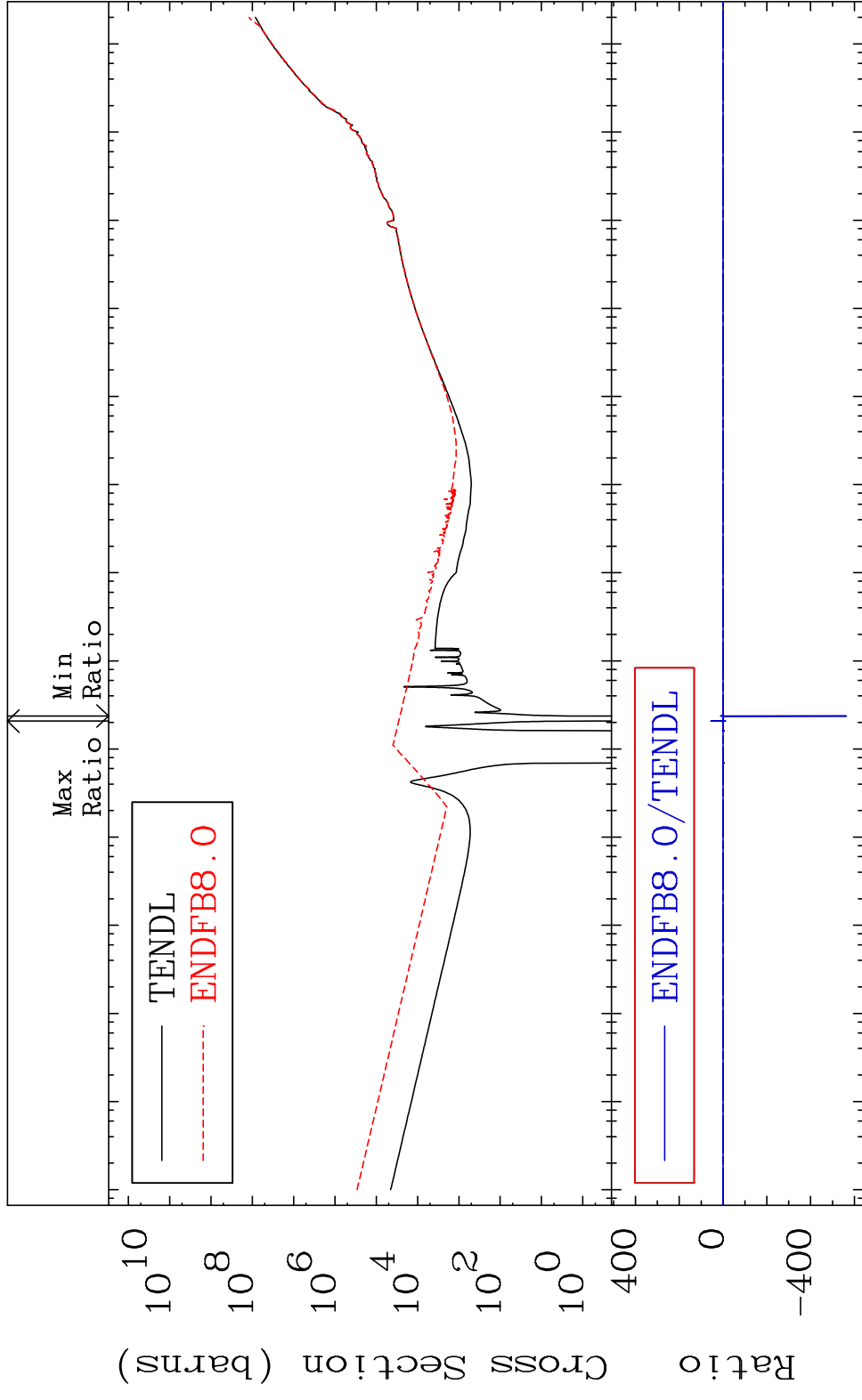


67

Incident Energy (eV)

78-Pt-191

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

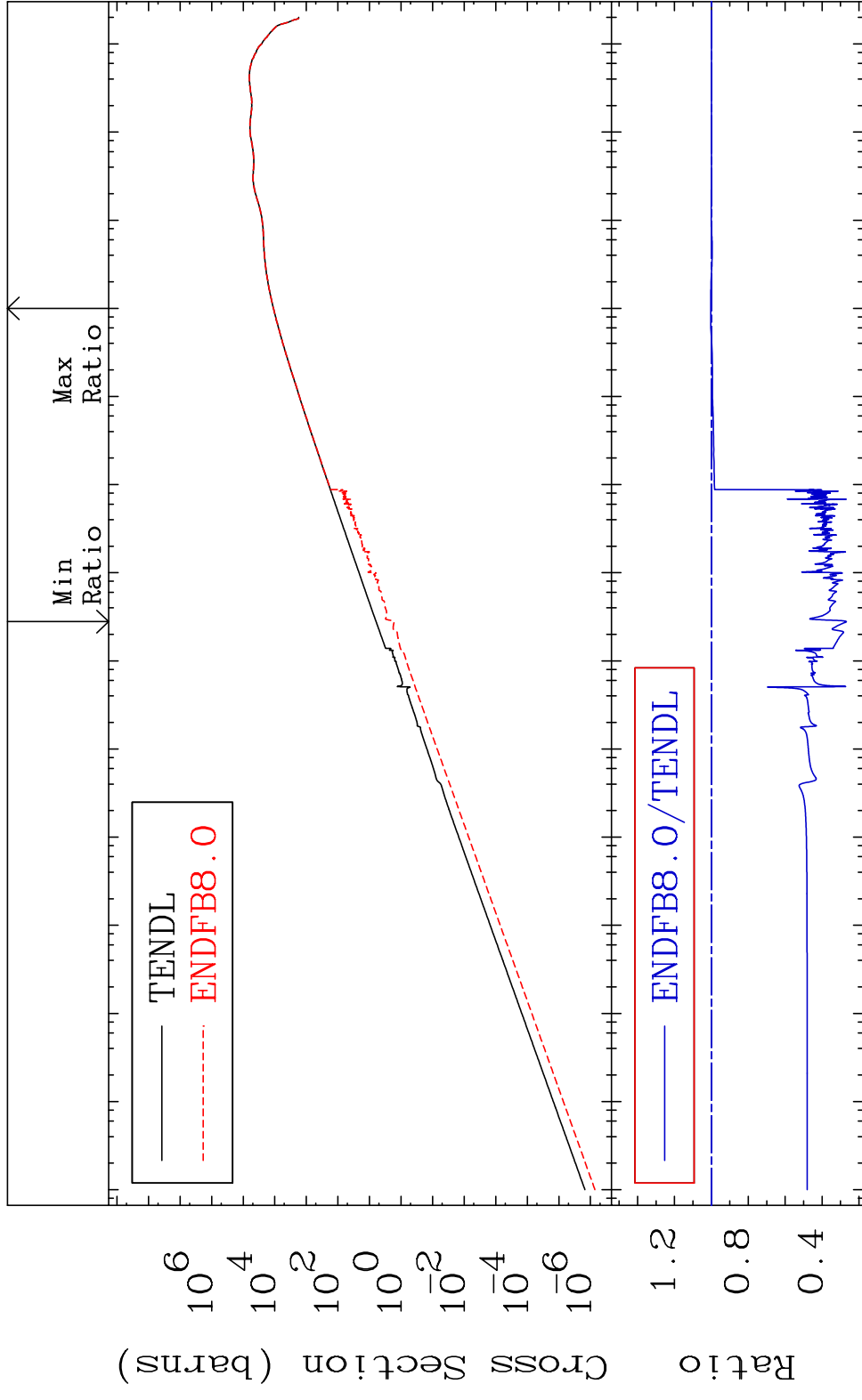


68 Incident Energy (eV) 78-Pt-191

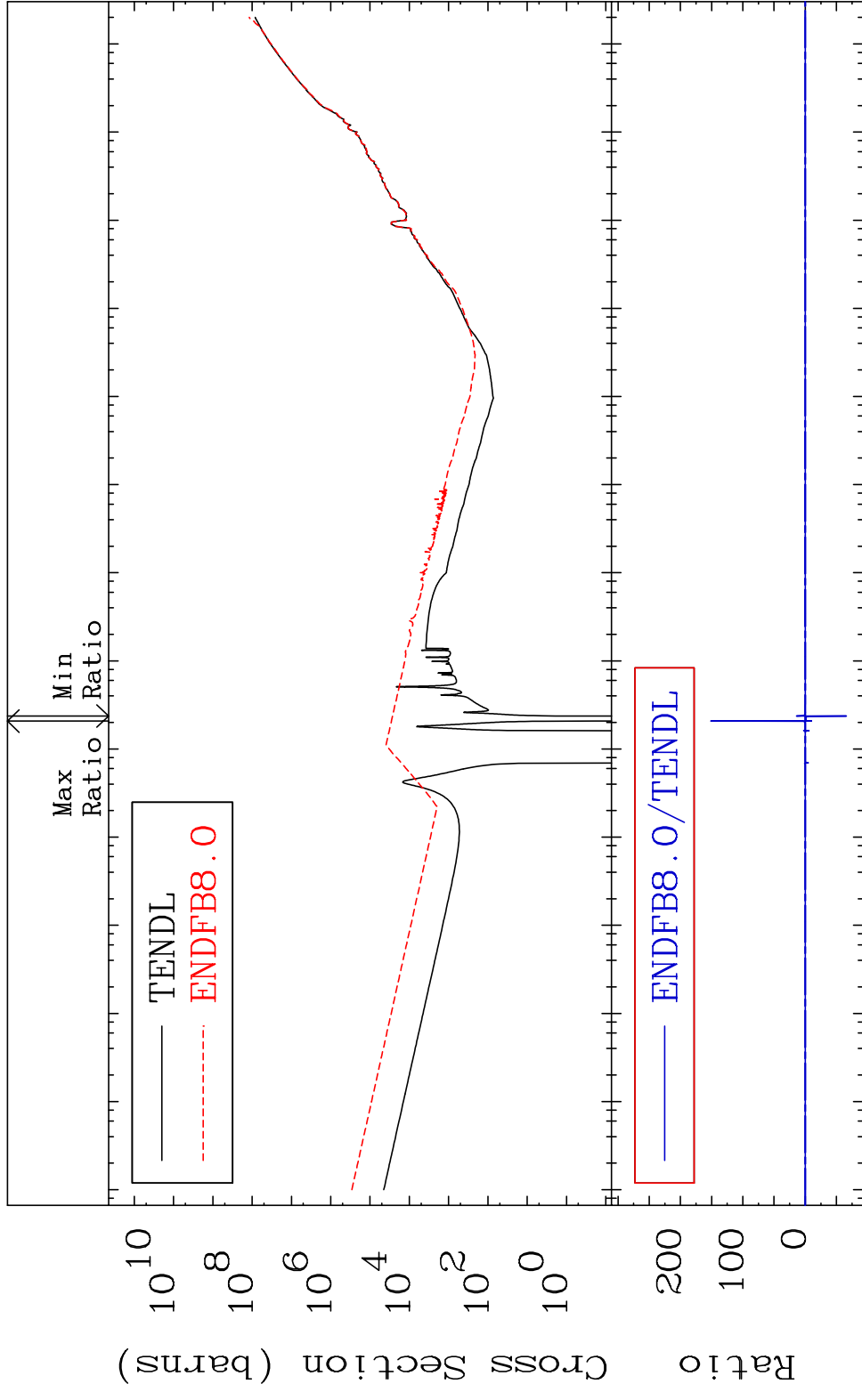
MAT 7828

Kerma elastic  
Cross Section

78-Pt-191  
-73.14 To 0.366 %

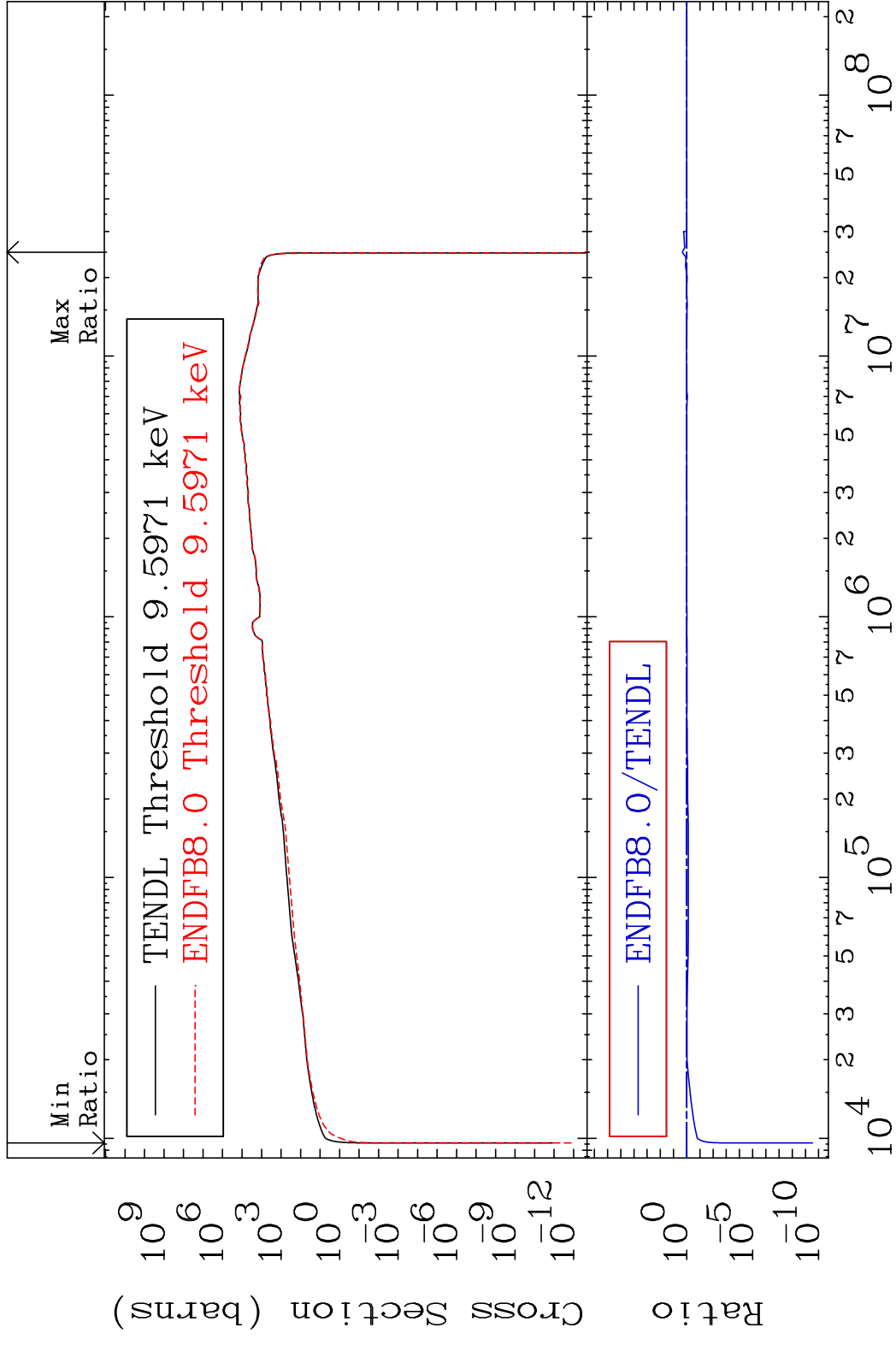


MAT 7828 Kerma non-elastic (all but mt2) 78-Pt-191  
 Cross Section -9999. To 9999. %



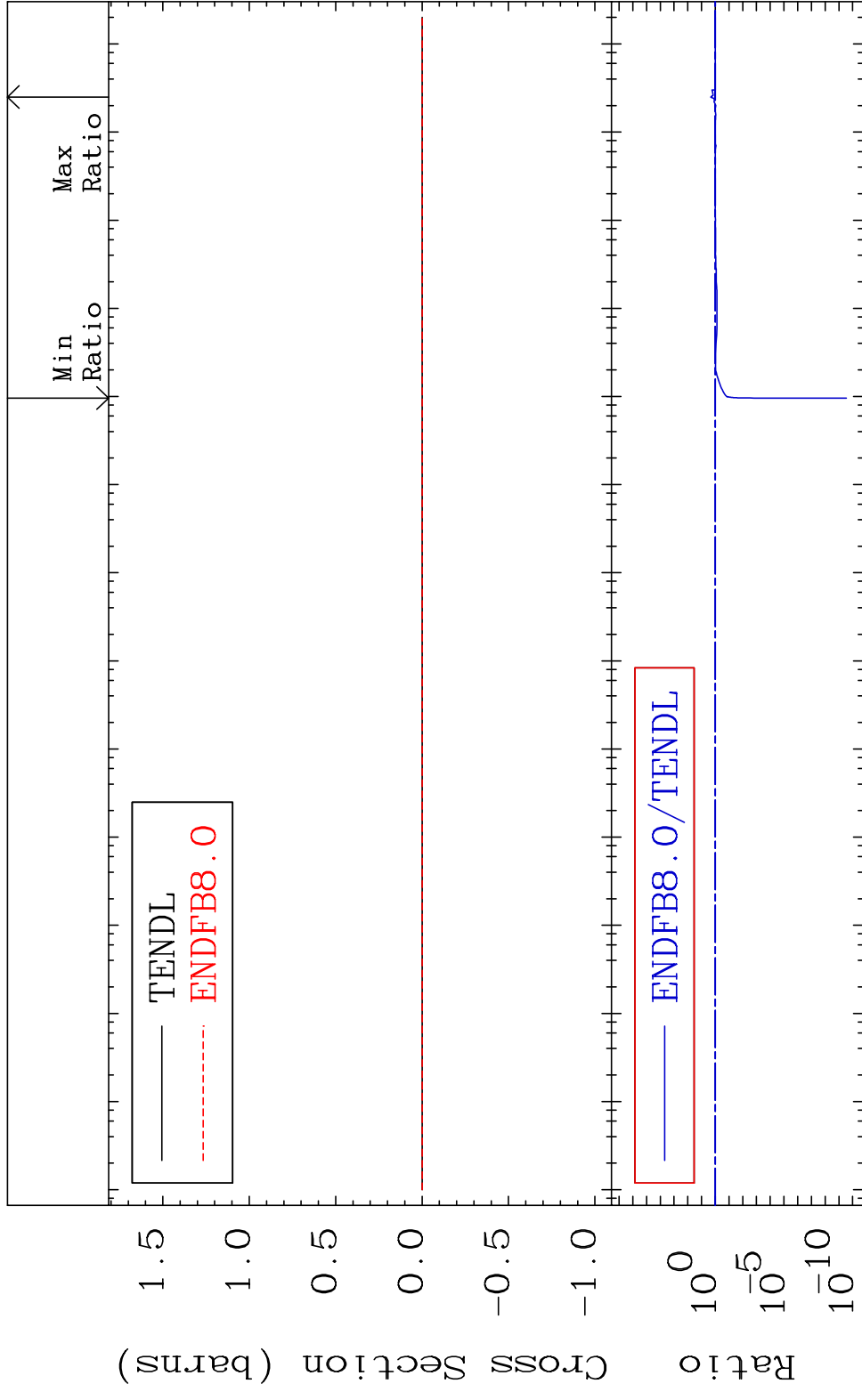
70 Incident Energy (eV) 78-Pt-191

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



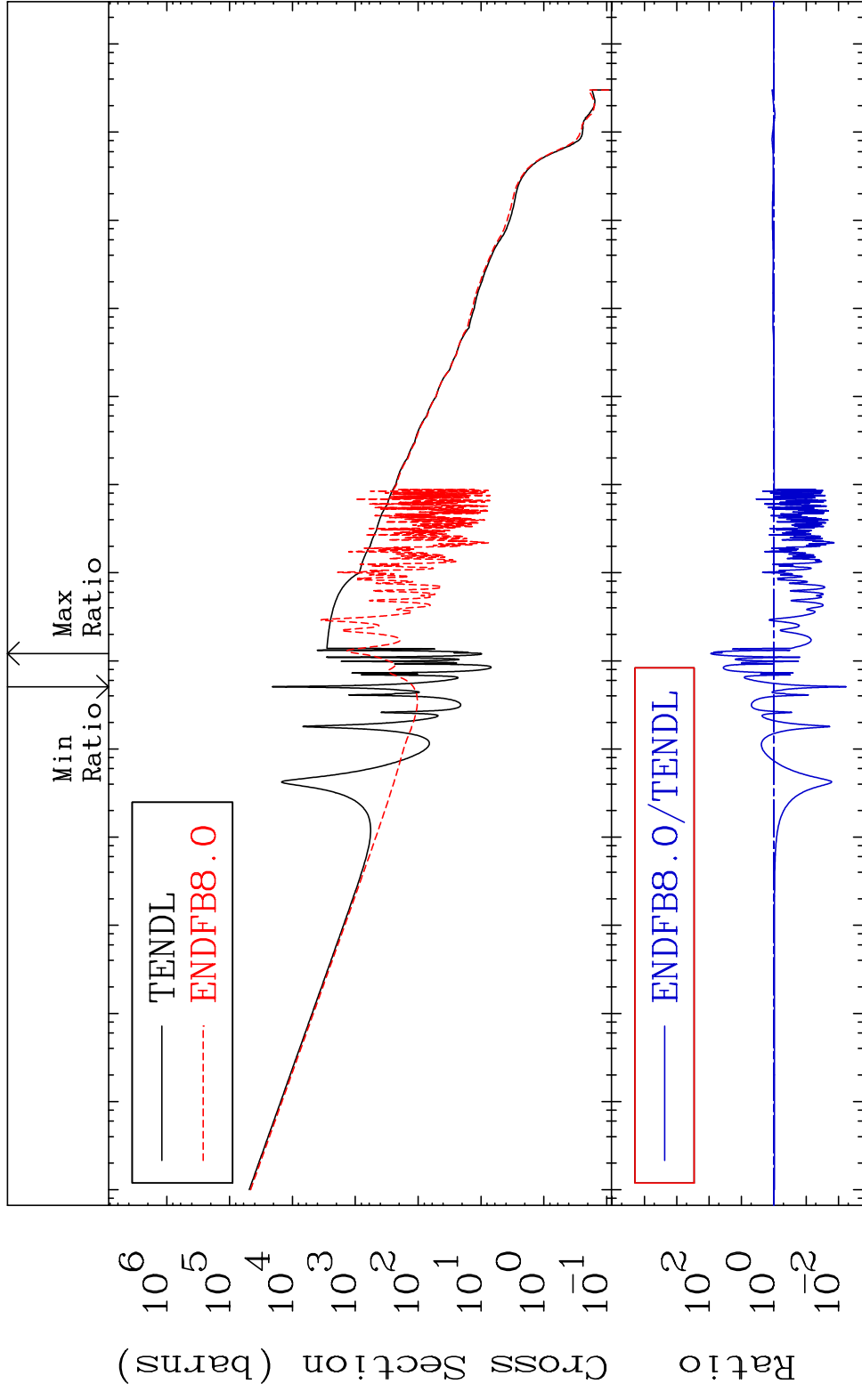


MAT 7828 Kerma fission (mt18 or mt19-20-21-38)78-Pt-191  
 Cross Section -100.0 To 113.6 %



MAT 7828

Kerma capture (mt102) 78-Pt-191  
Cross Section -99.43 To 8799. %

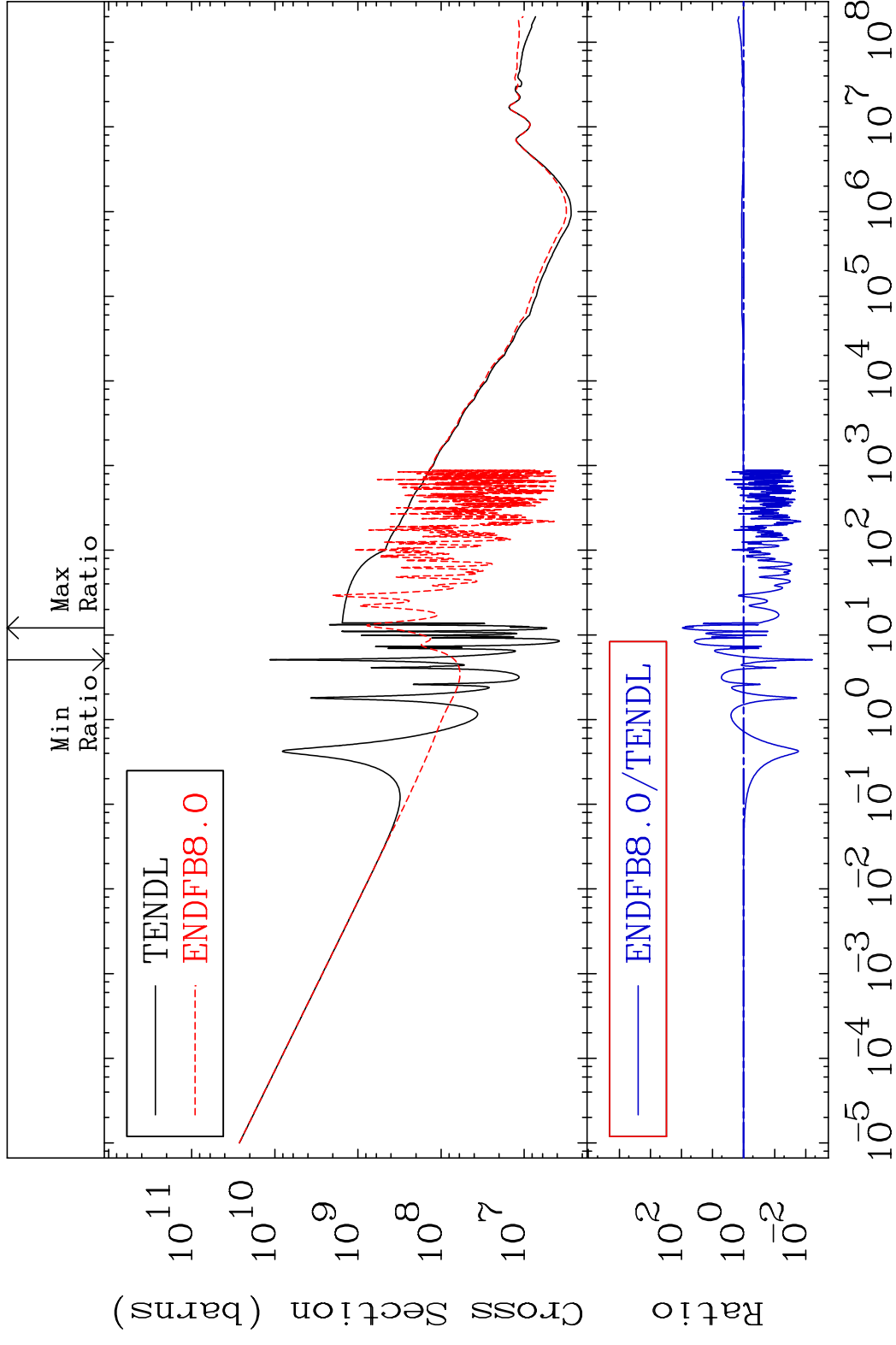


73

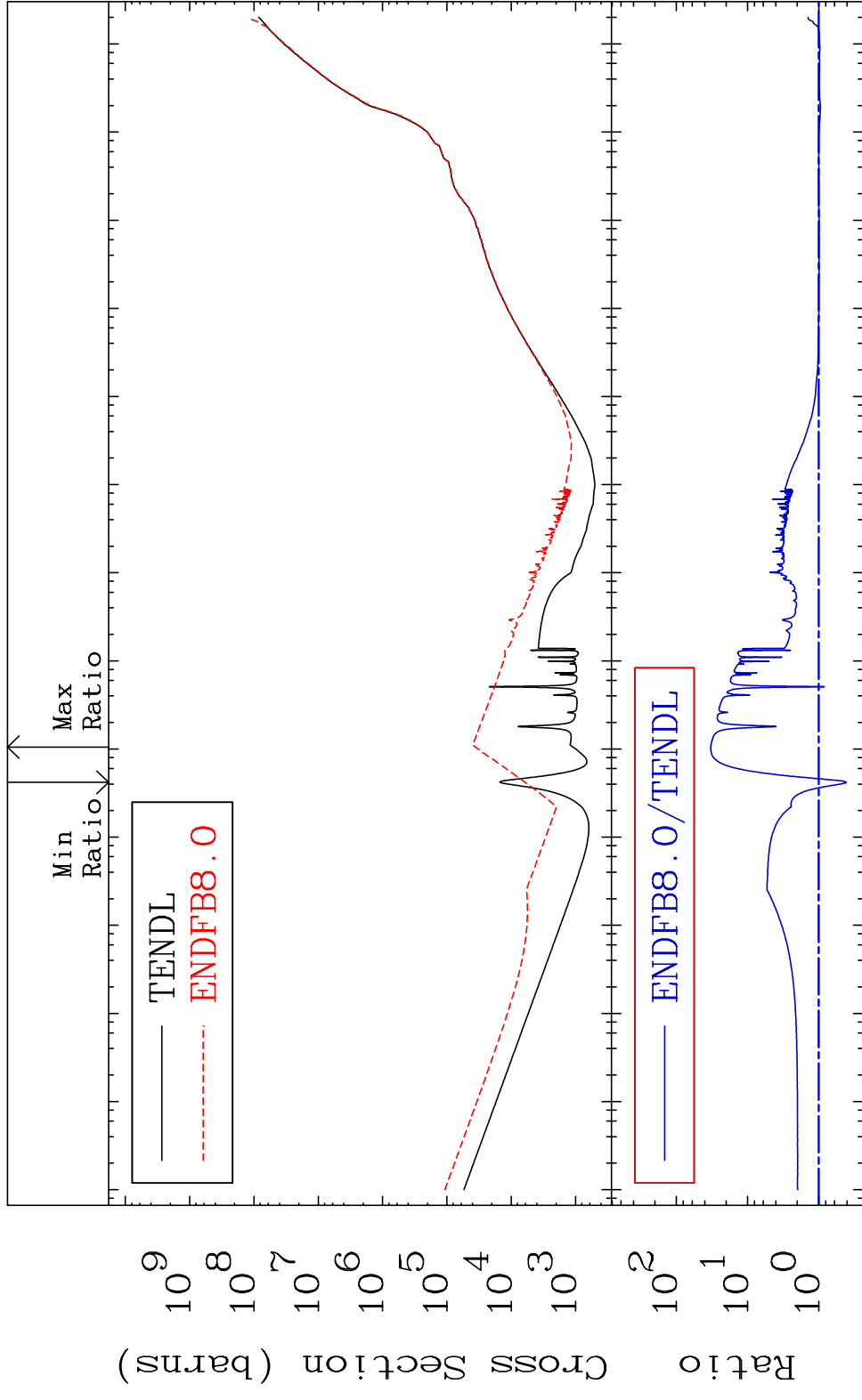
Incident Energy (eV)

78-Pt-191

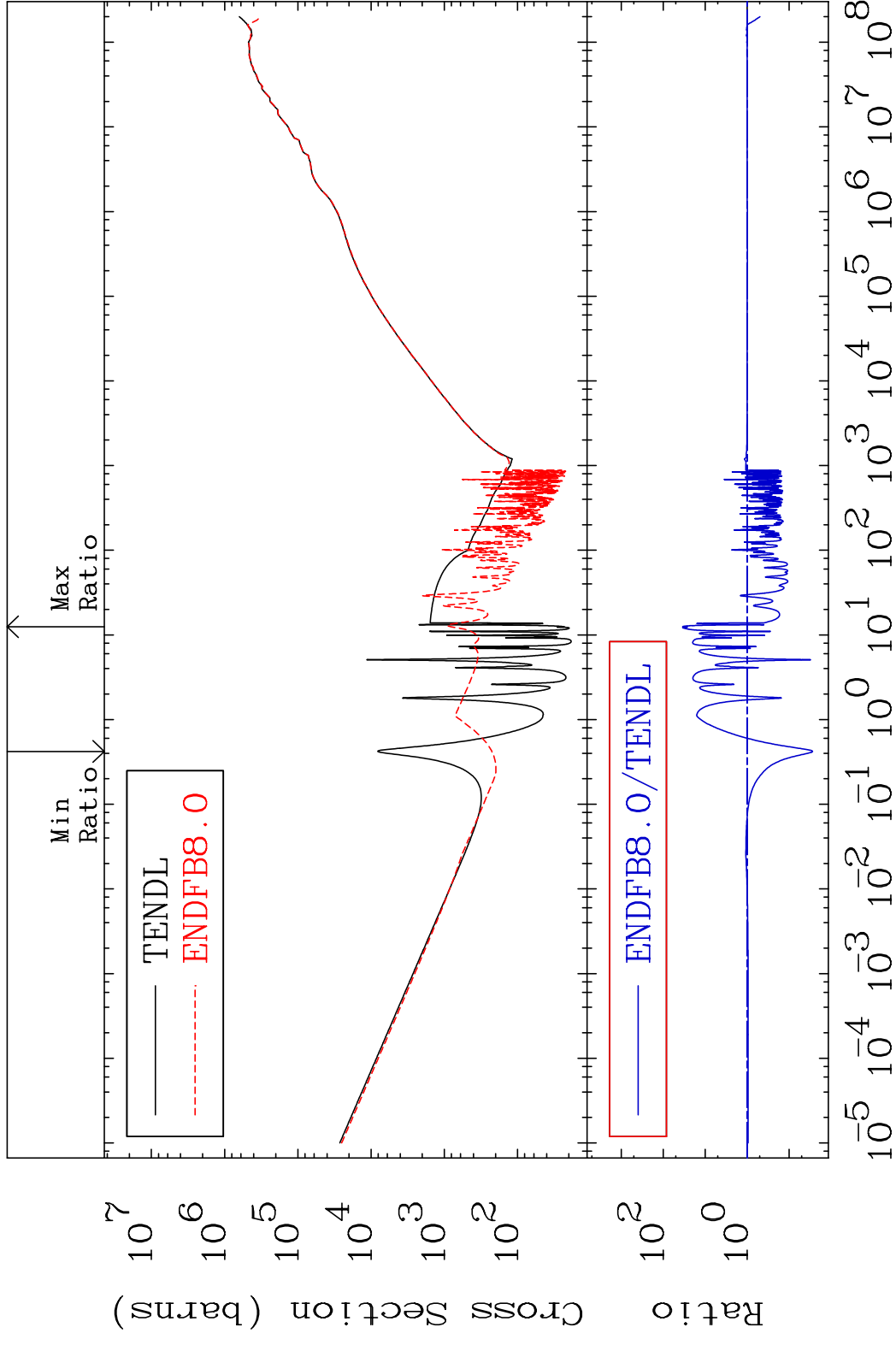
MAT 7828 Total photon (eV-barns) 78-Pt-191  
 Cross Section -99.40 To 9265. %



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



MAT 7828 Dpa total (eV-barns) 78-Pt-191  
 Cross Section -97.24 To 3386. %

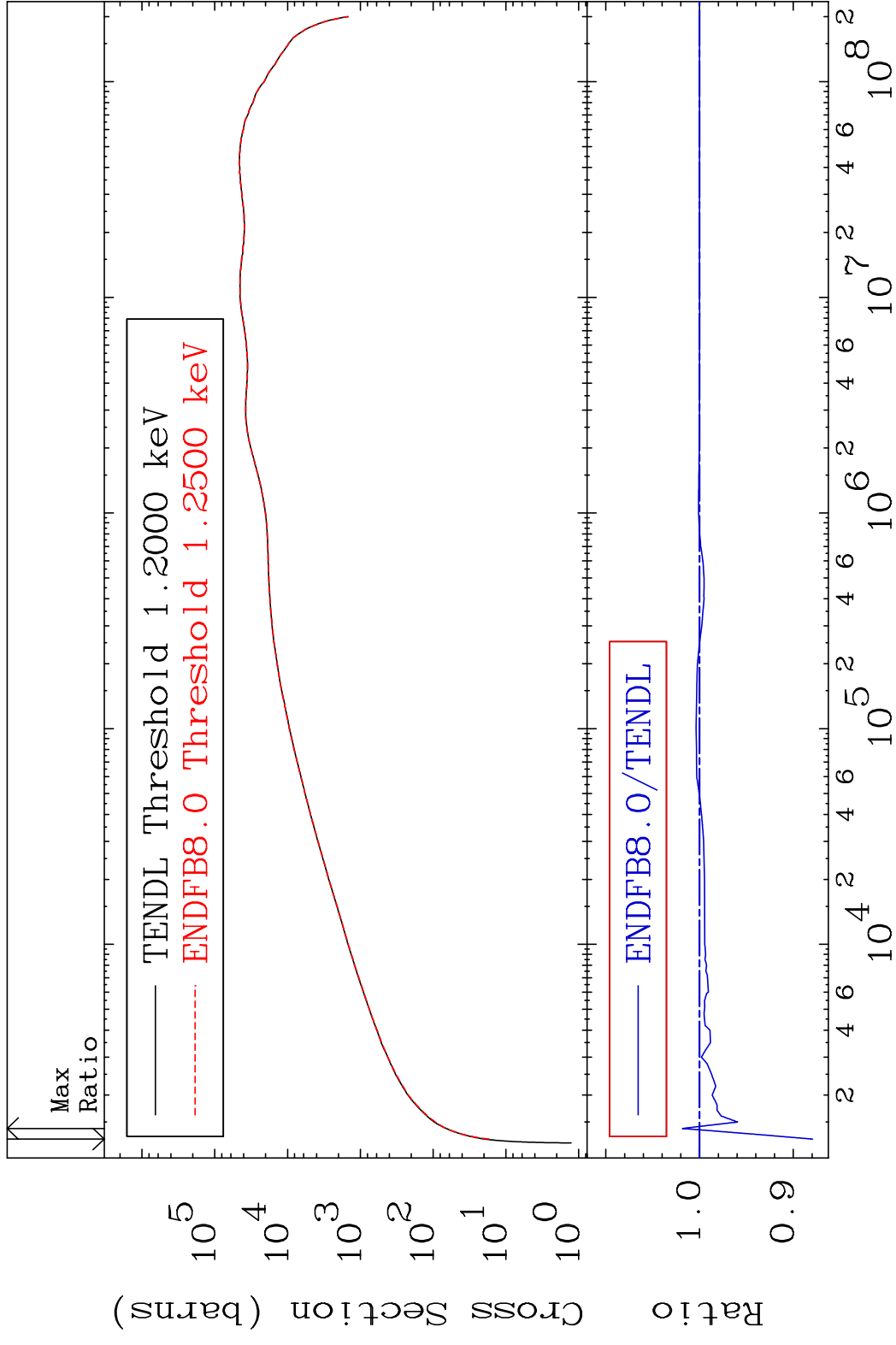


MAT 7828

Dpa elastic (mt2)

78-Pt-191

Cross Section -12.05 To 1.839 %

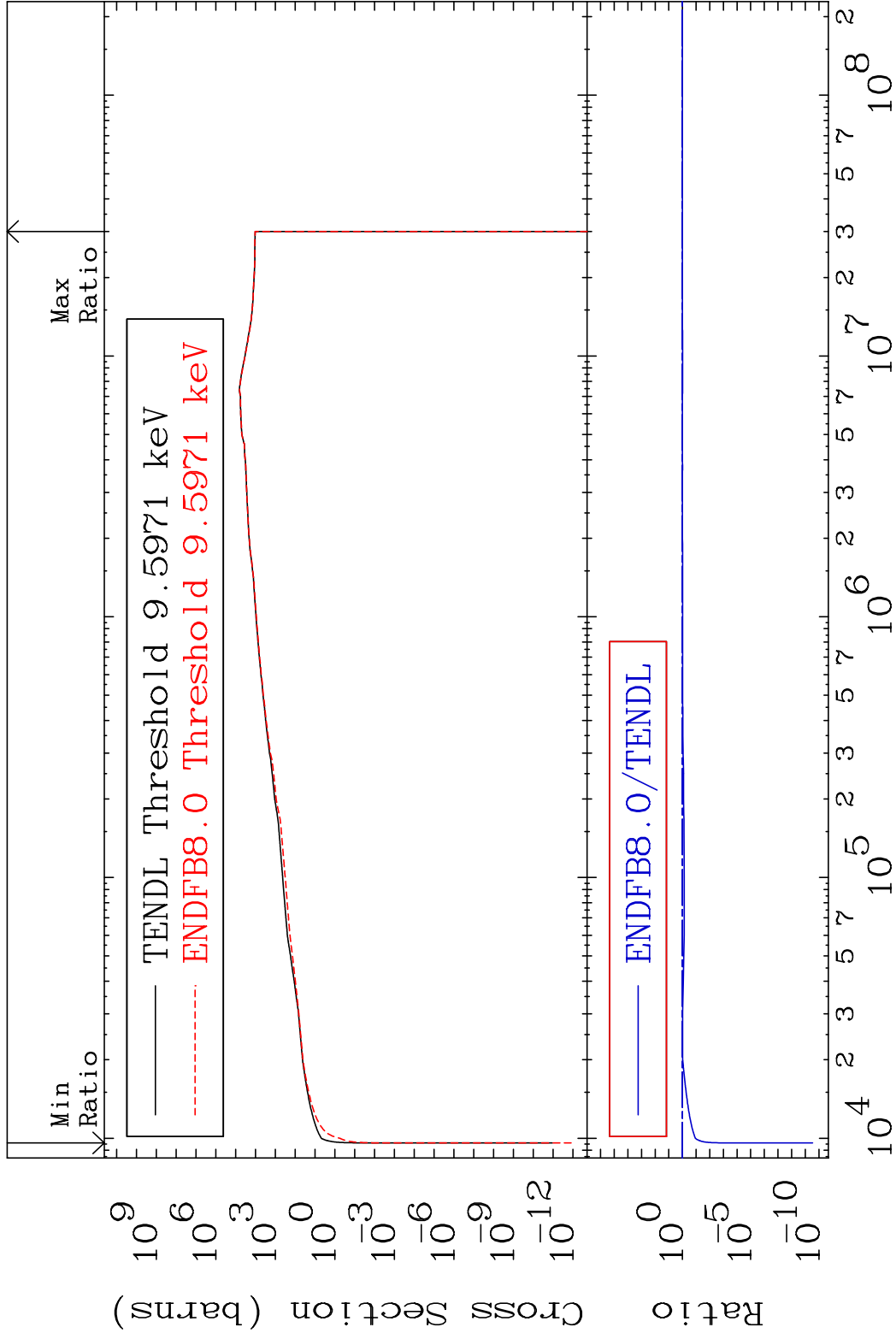


MAT 7828

Dpa inelastic (mt51-91)

78-Pt-191

Cross Section -100.0 To 1.464 %

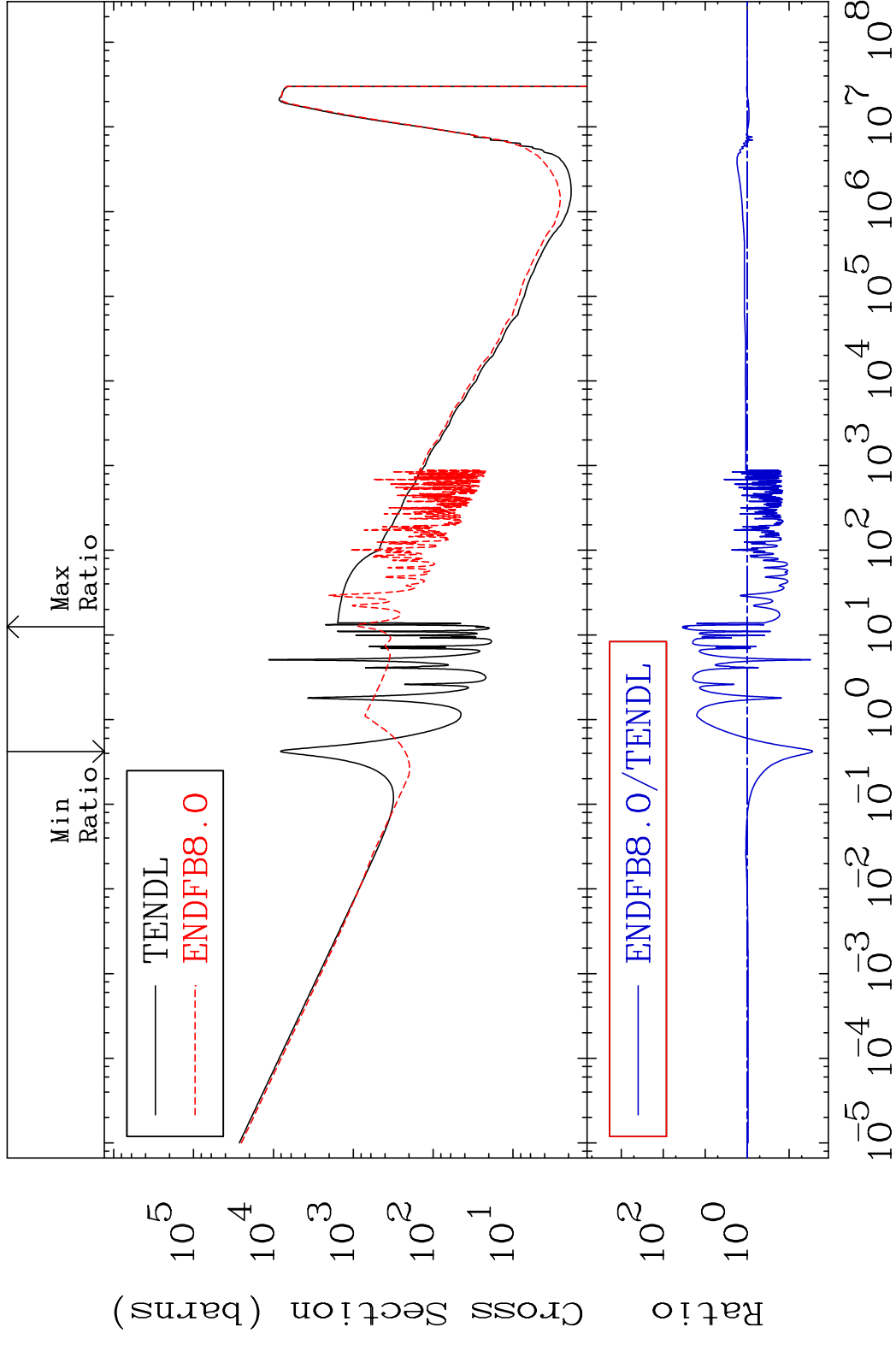


78

Incident Energy (eV)

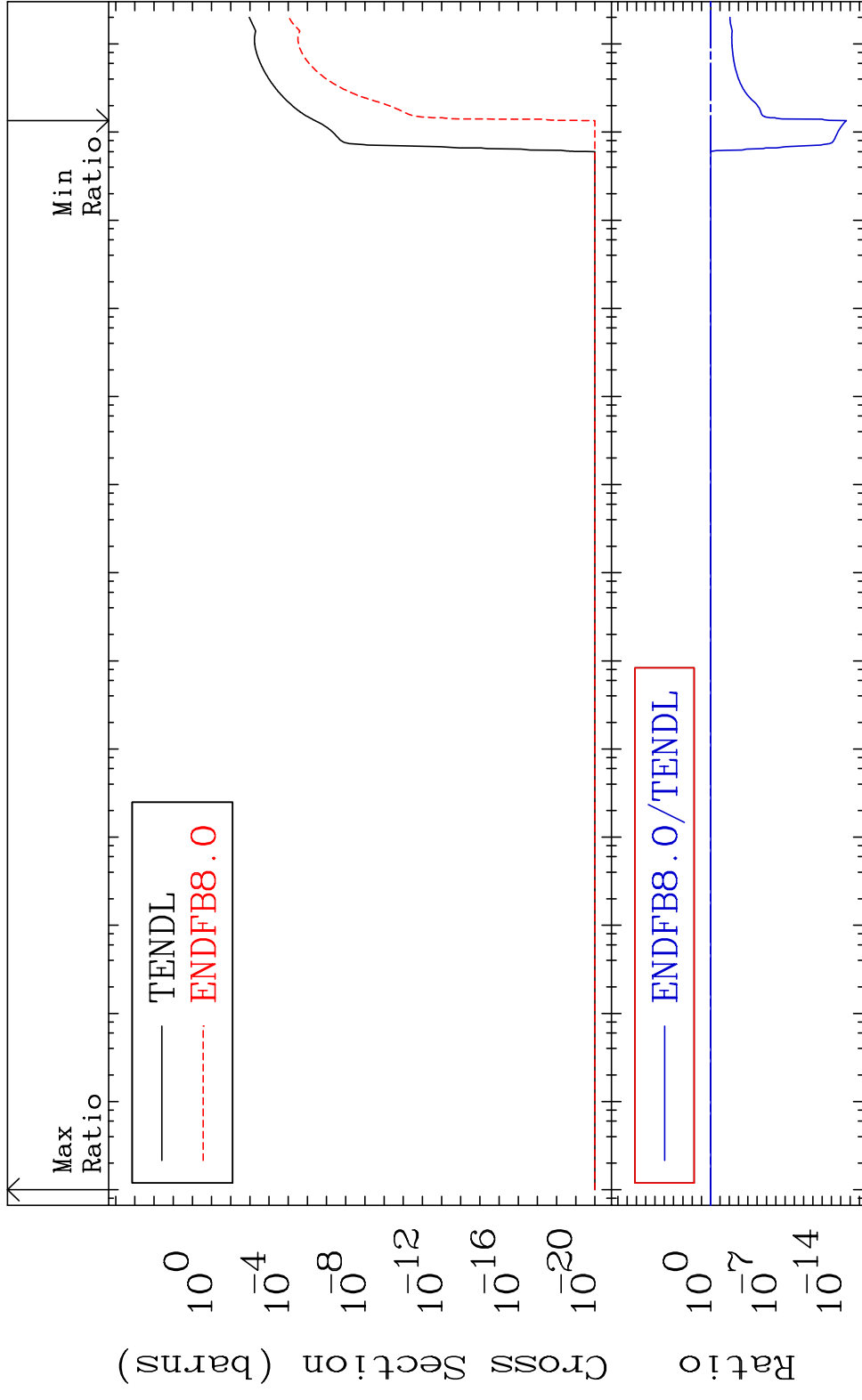
78-Pt-191

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

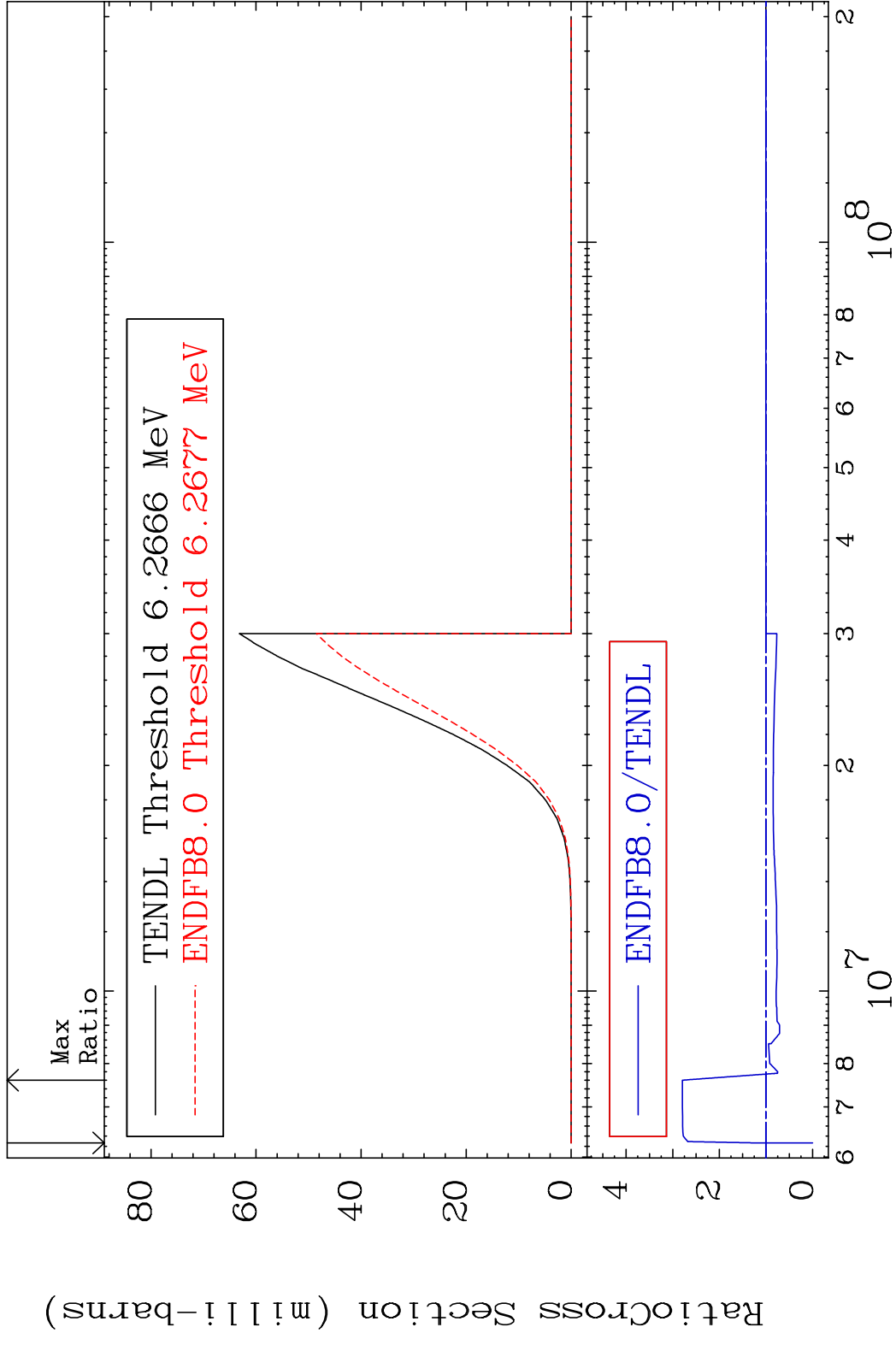


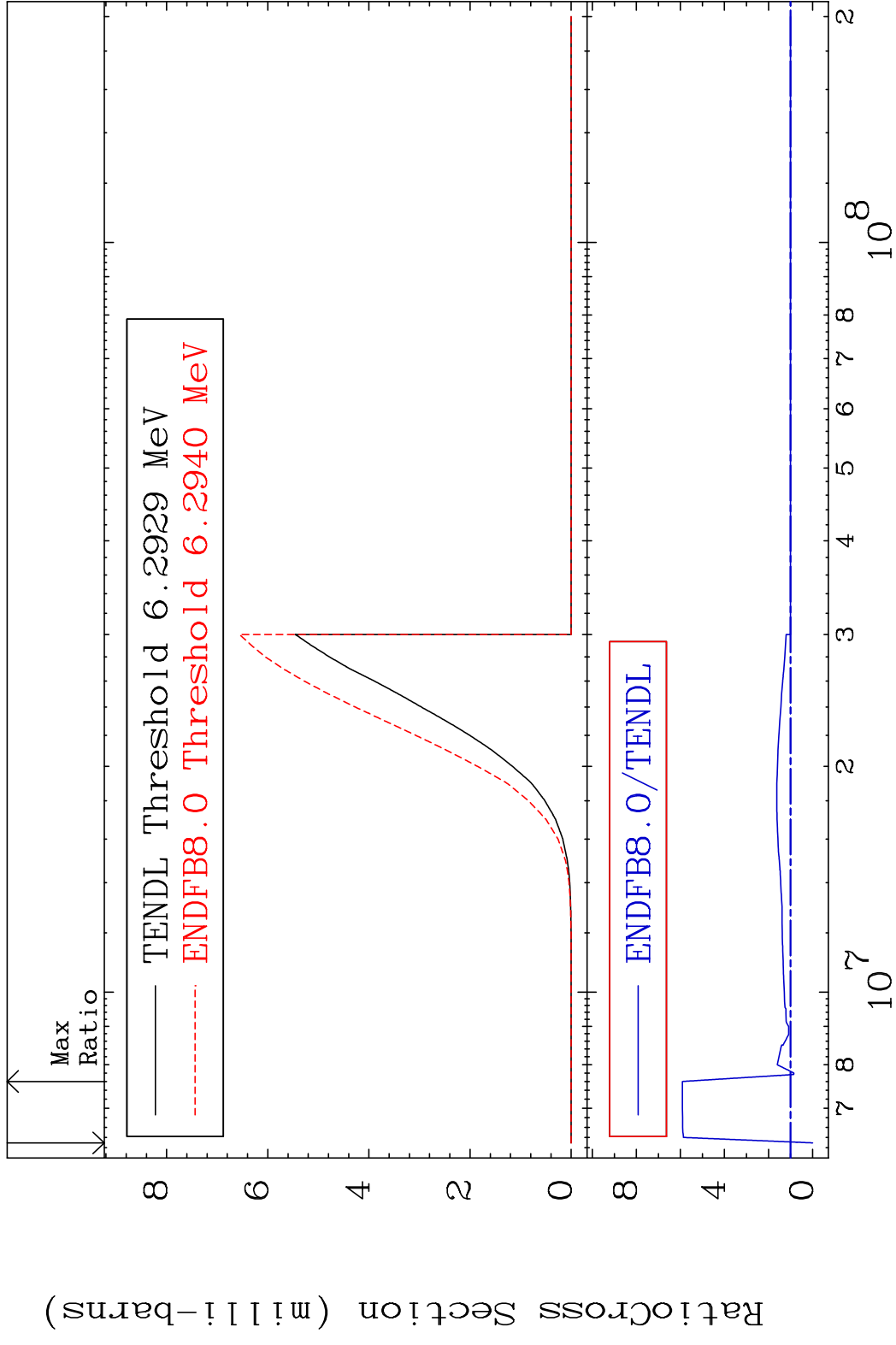


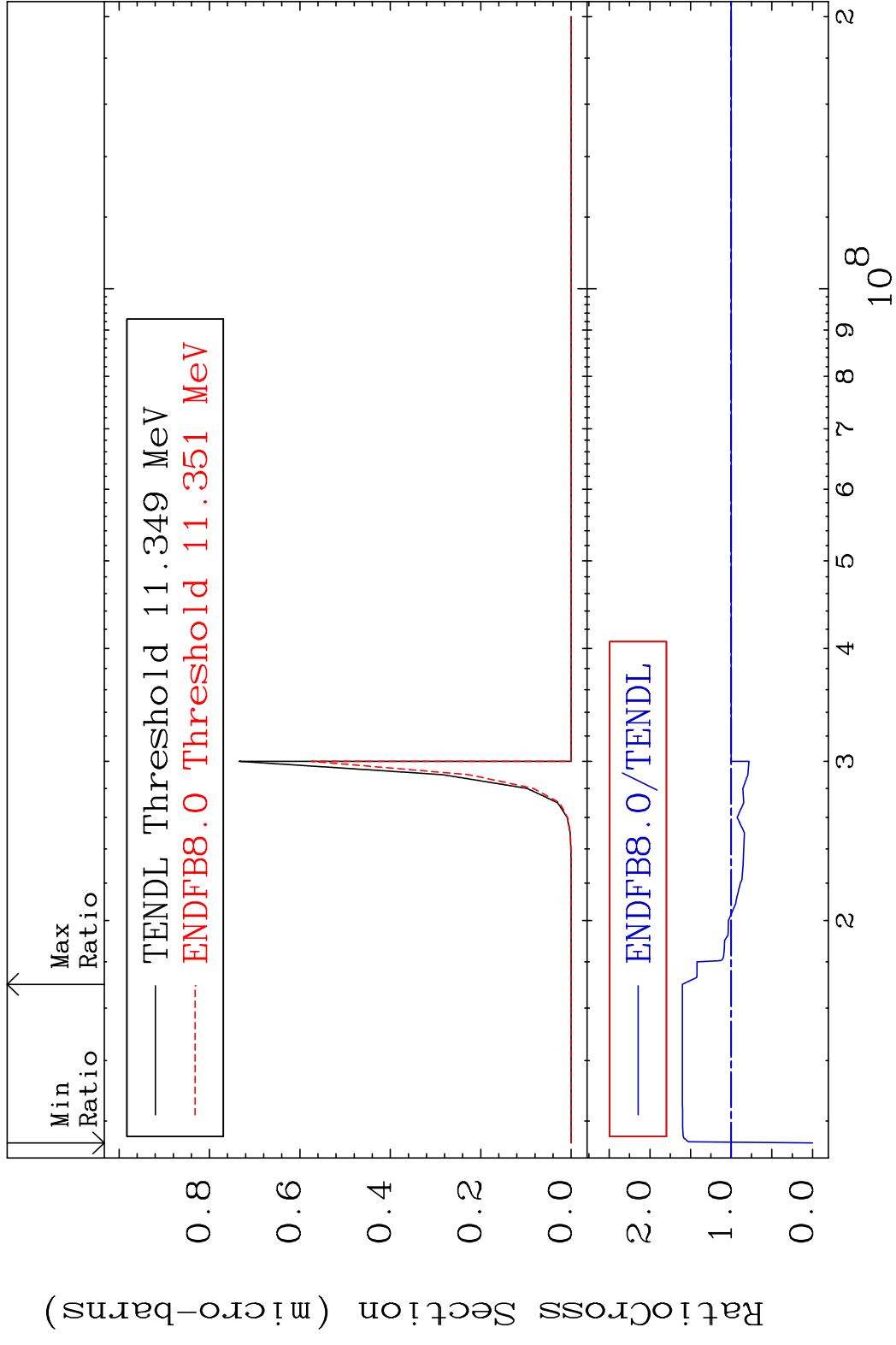
MAT 7828 Fission:0-??-Nat 78-Pt-191  
 Radionuclide Production Cross Section 0.000 %

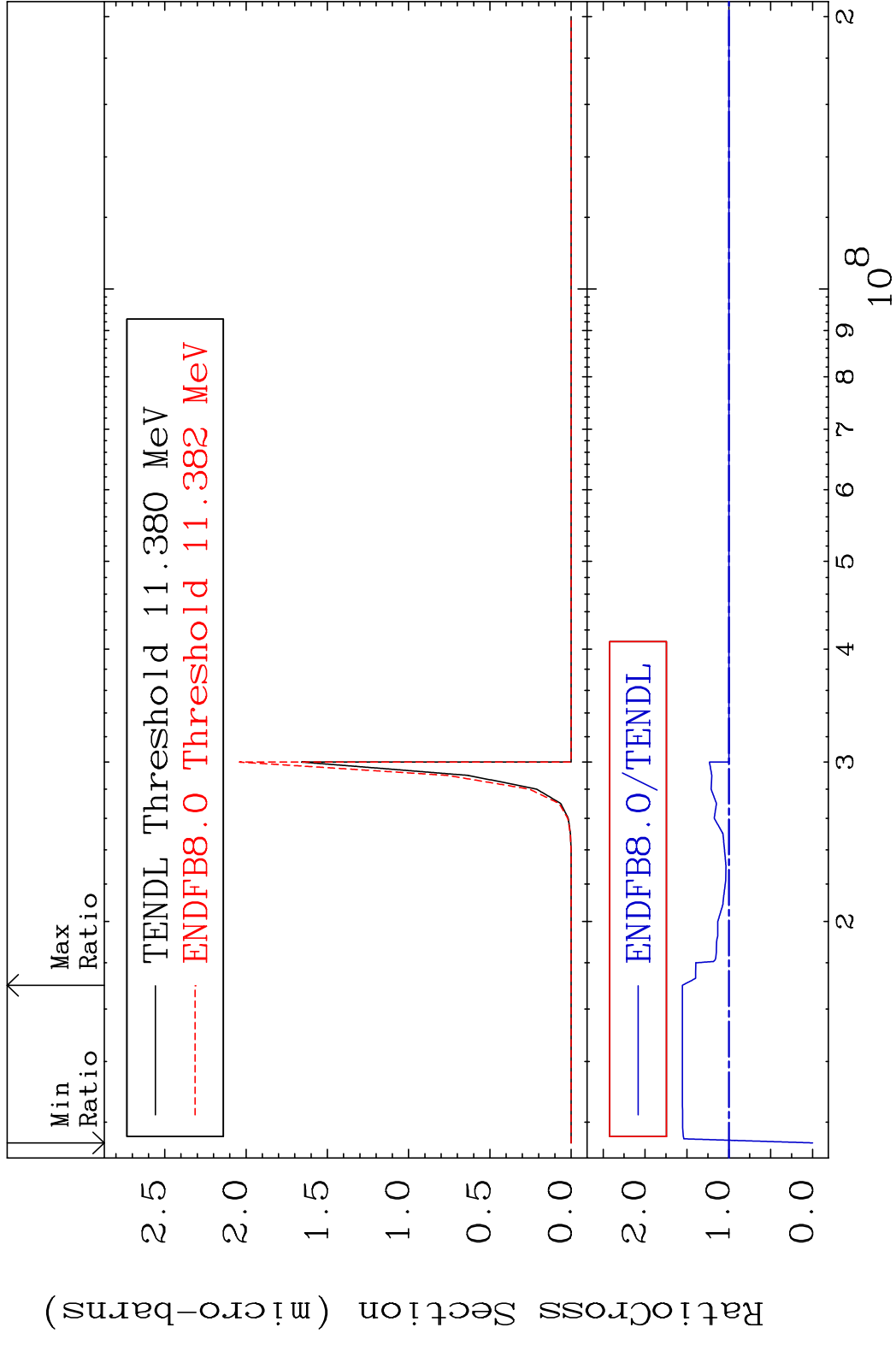


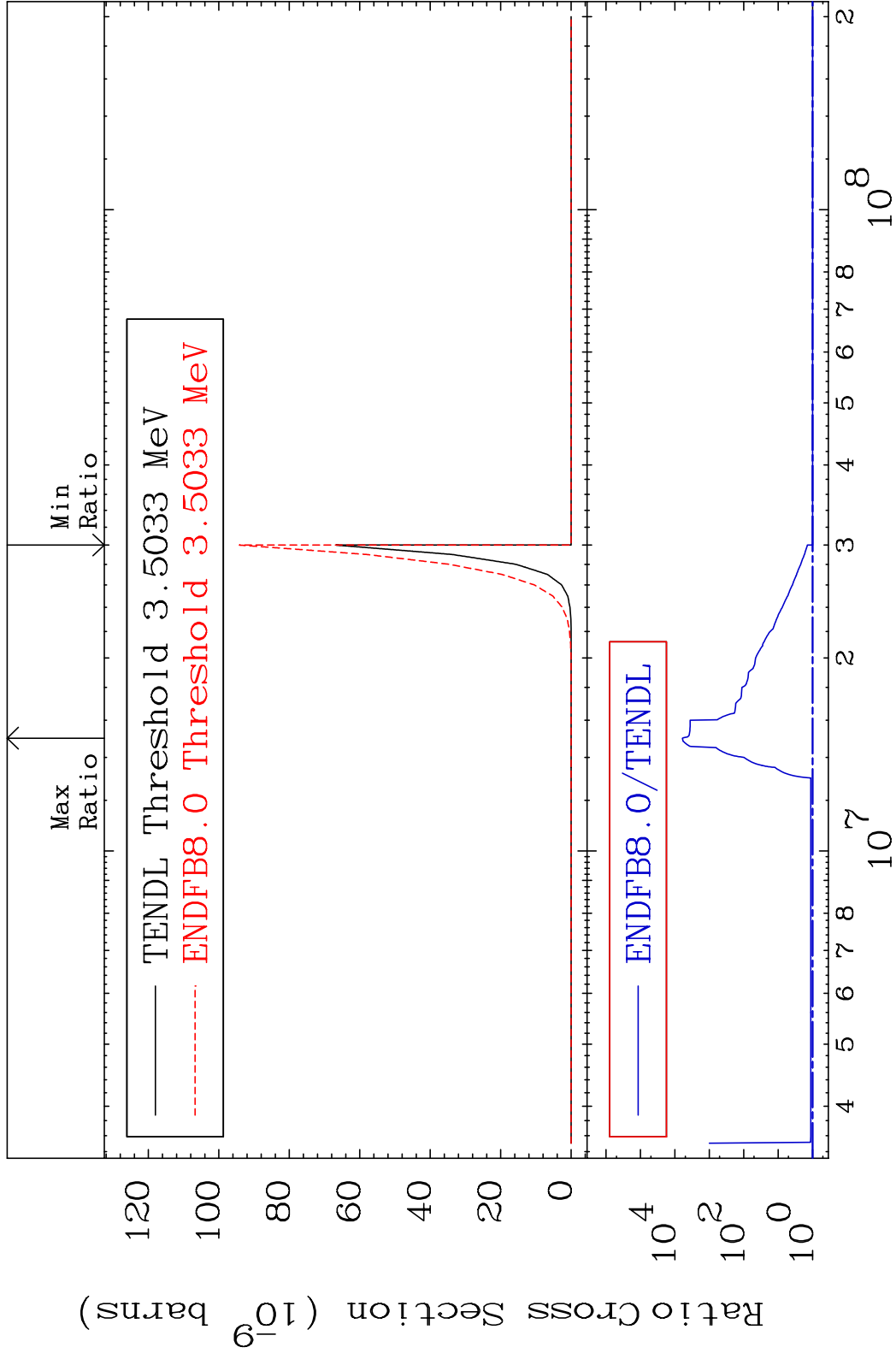
80 Incident Energy (eV) 78-Pt-191

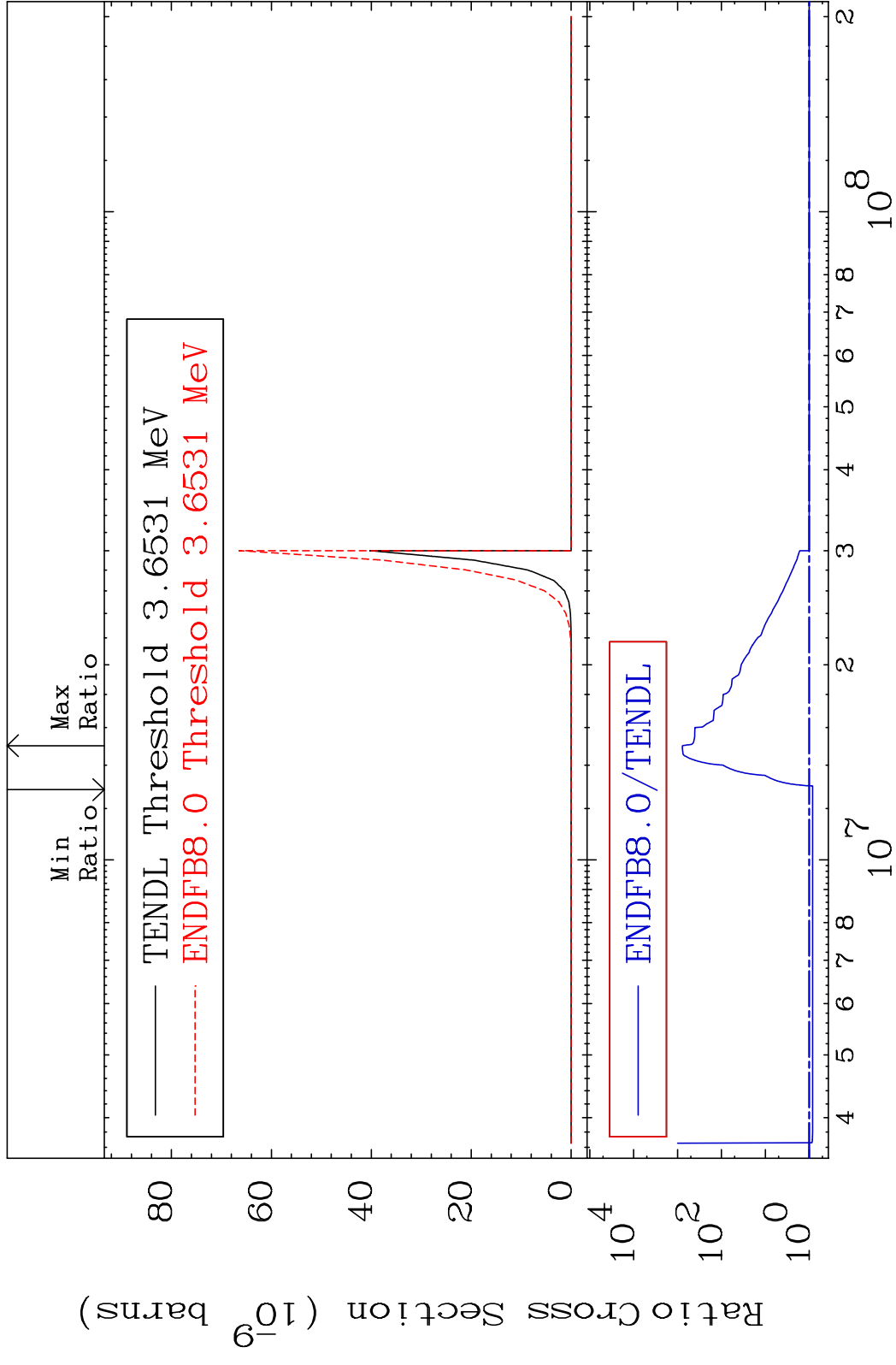




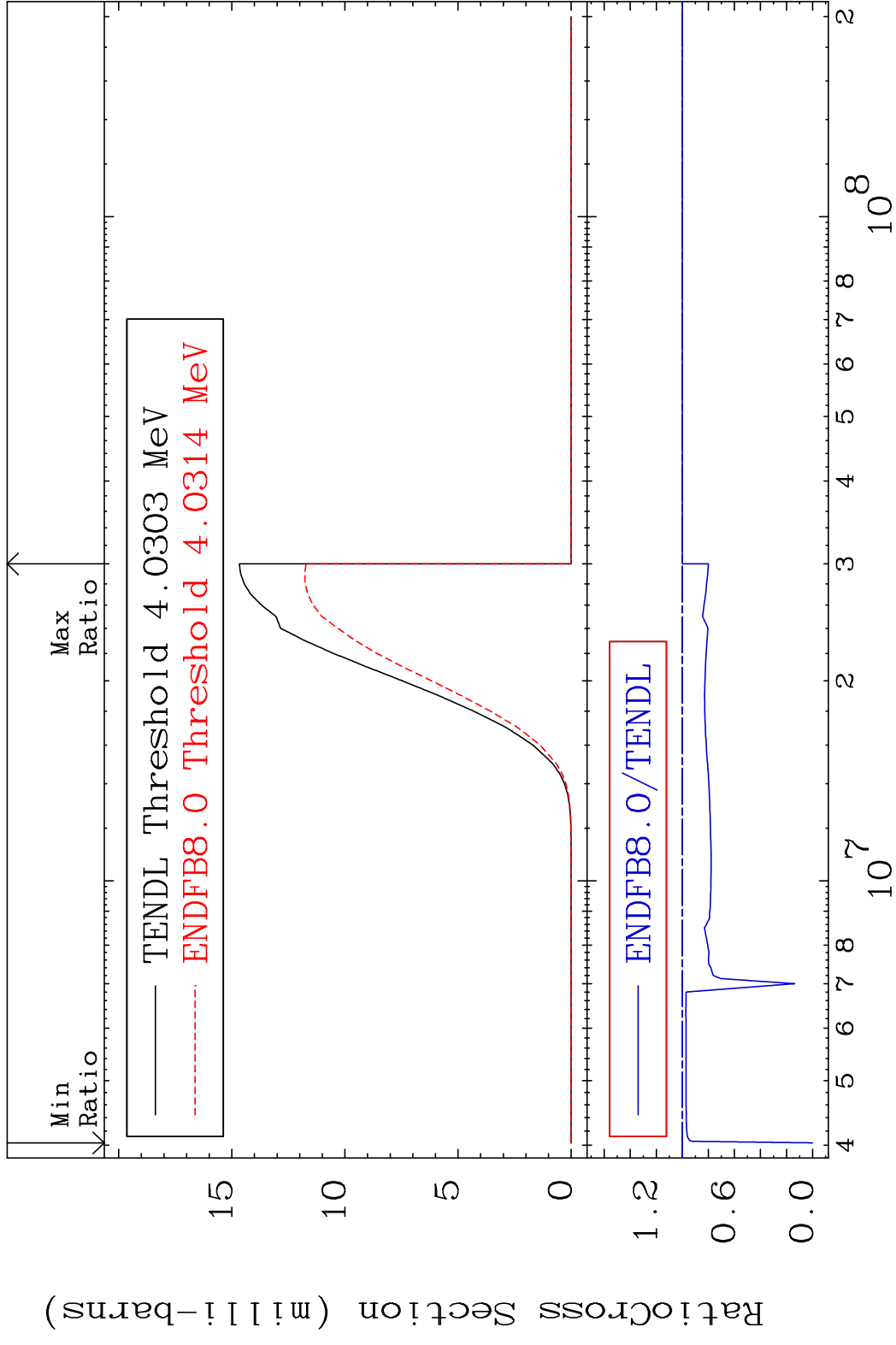




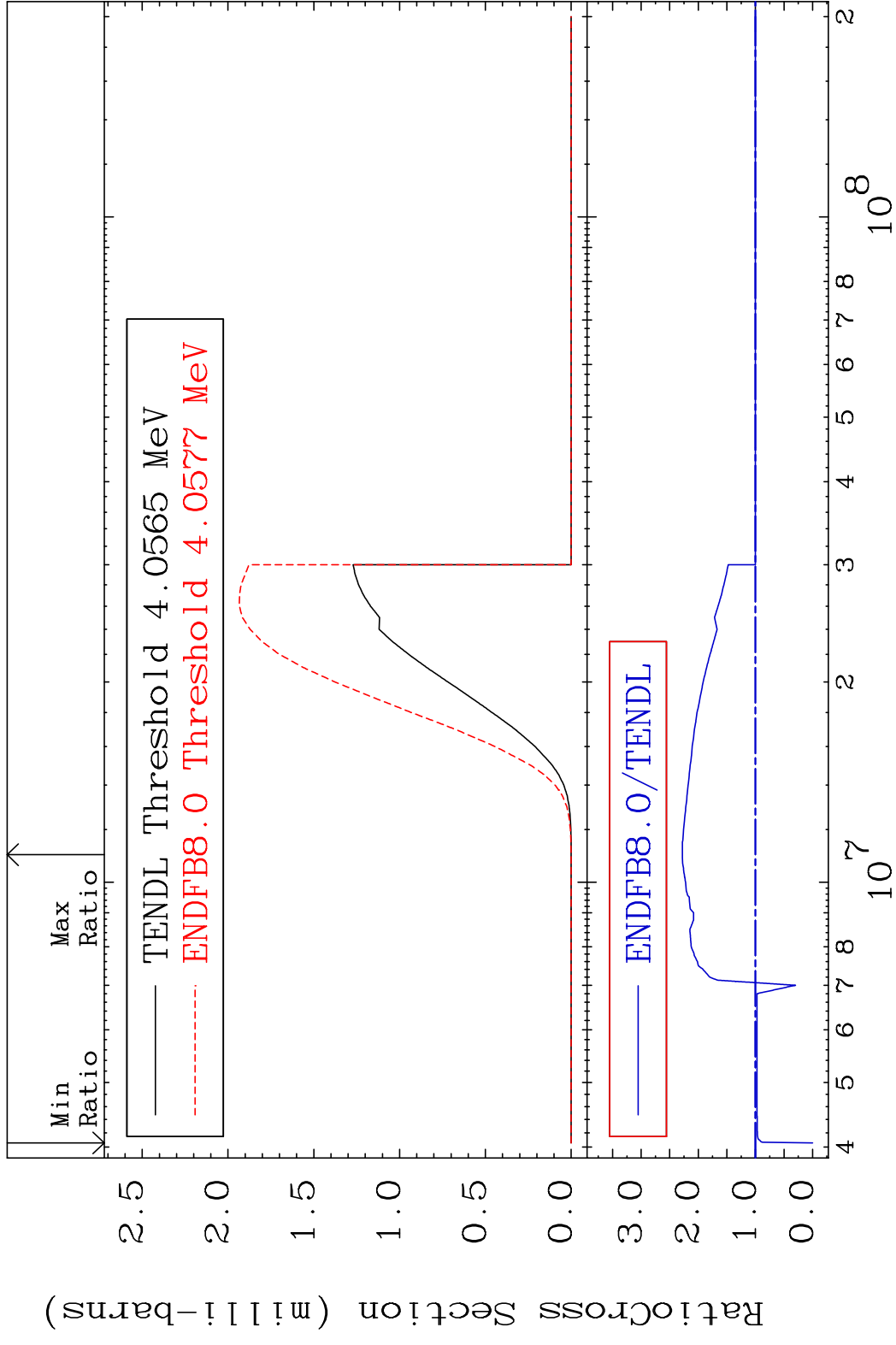


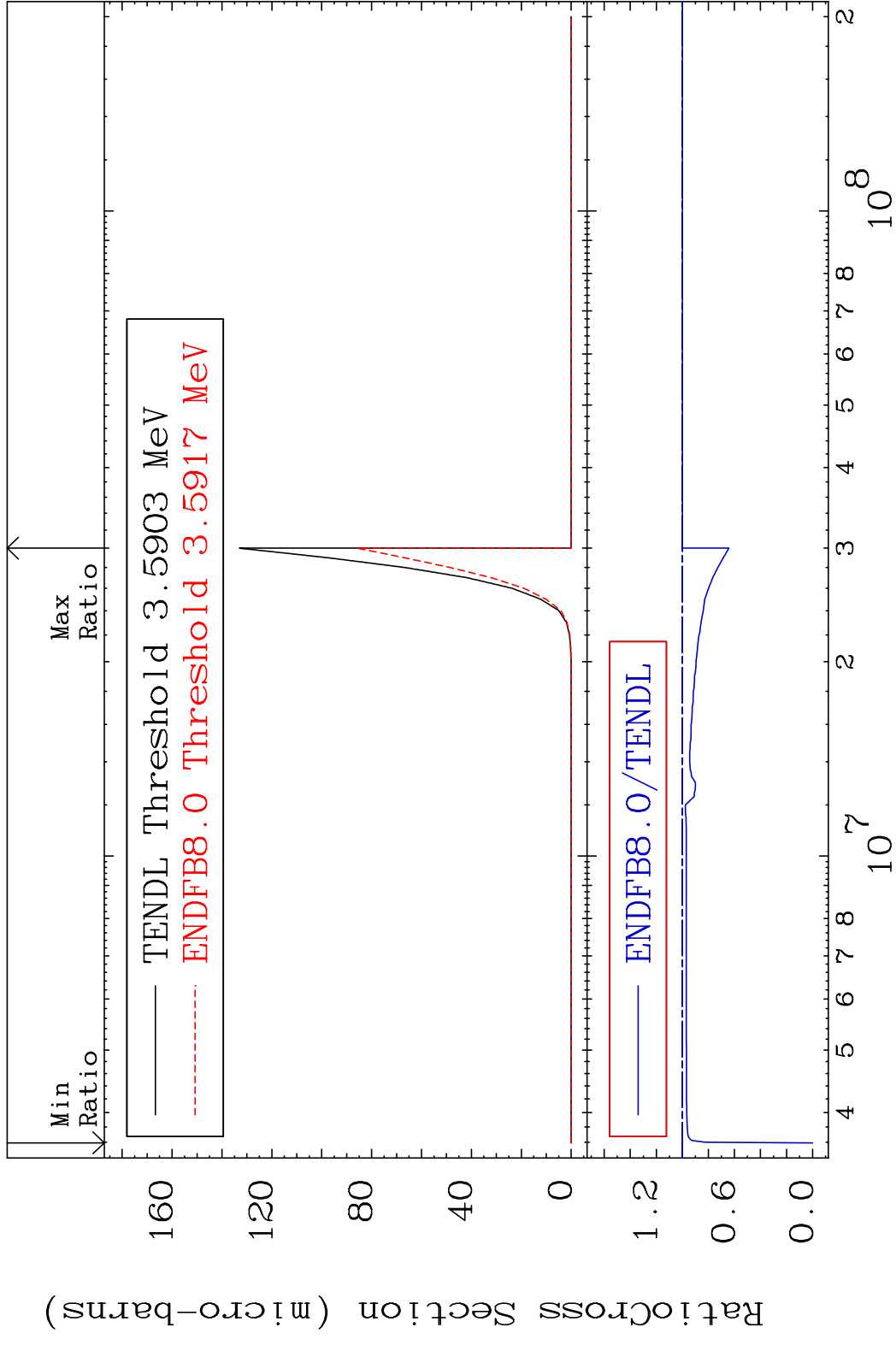


MAT 7828 (n,d):77-Ir-190g 78-Pt-191  
 Radionuclide Production Cross Section 180.0 mb 0.000 %

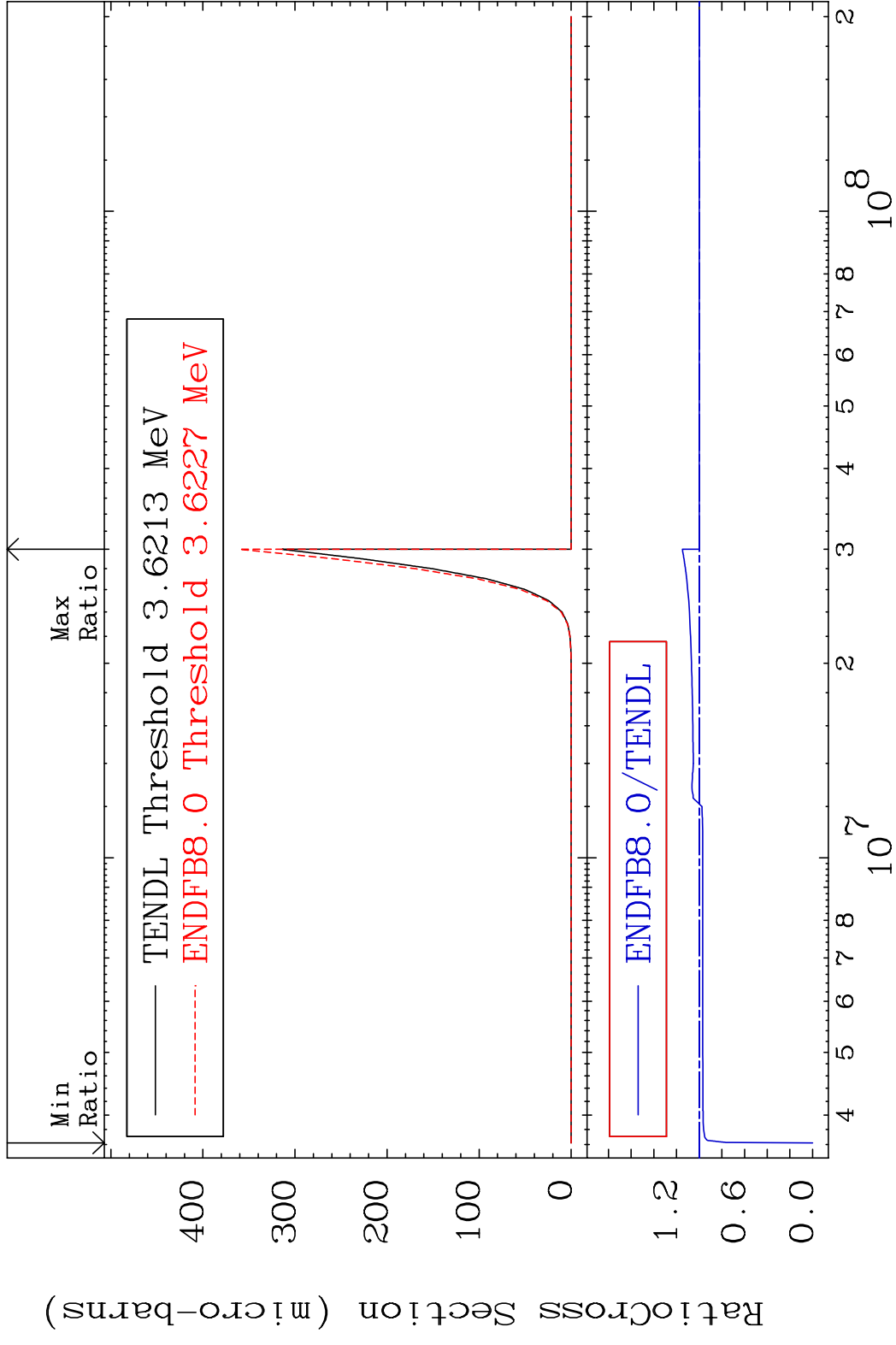


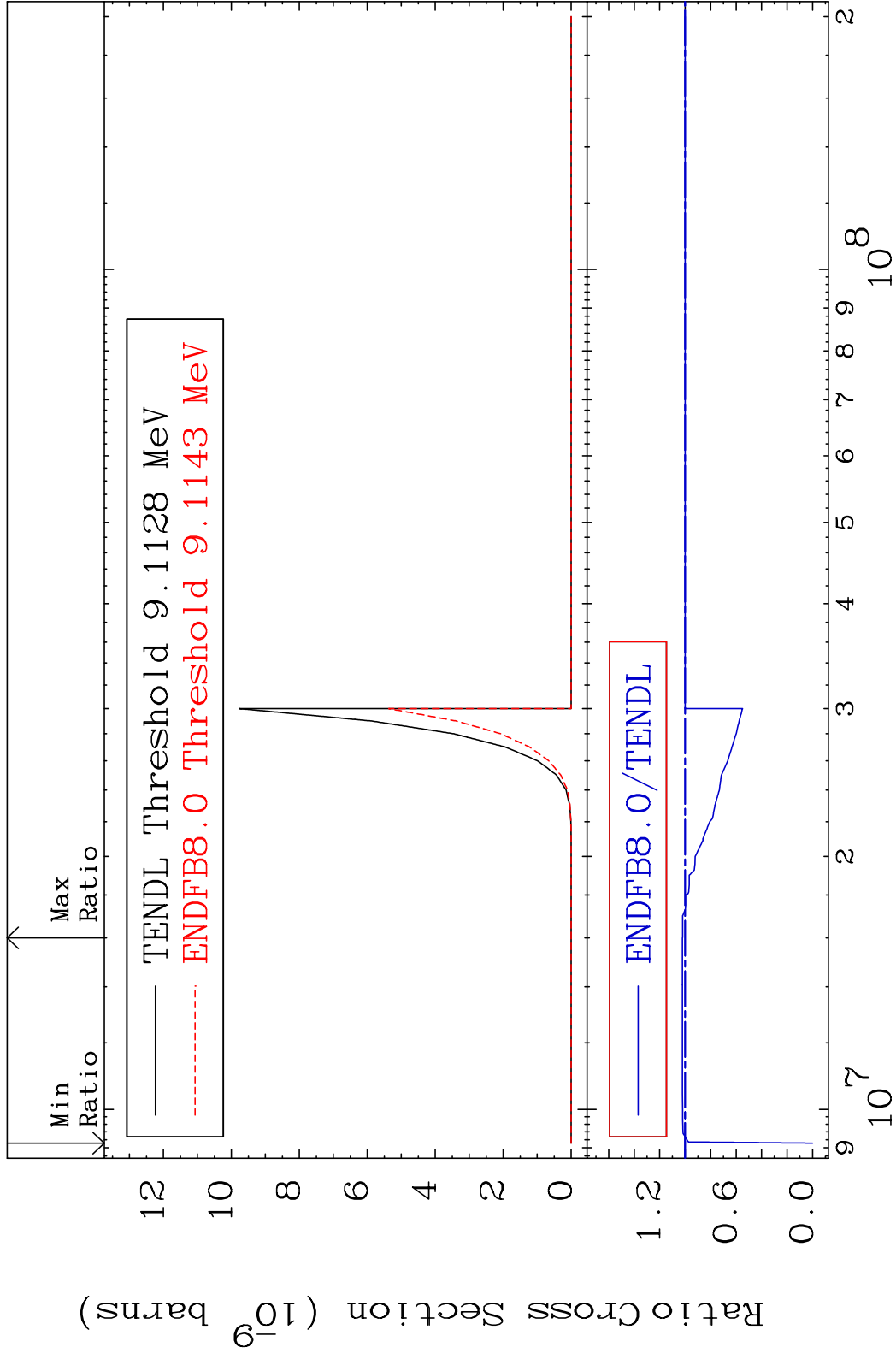






MAT 7828 (n, He-3) : 76-Os-189m1 78-Pt-191  
 Radionuclide Production Cross Section 189m1 to 191 14.85 %





MAT 7828 (n,p) d:76-0s-189m1 78-Pt-191  
 Radionuclide Production Cross Section Ratio 6.880 %

