

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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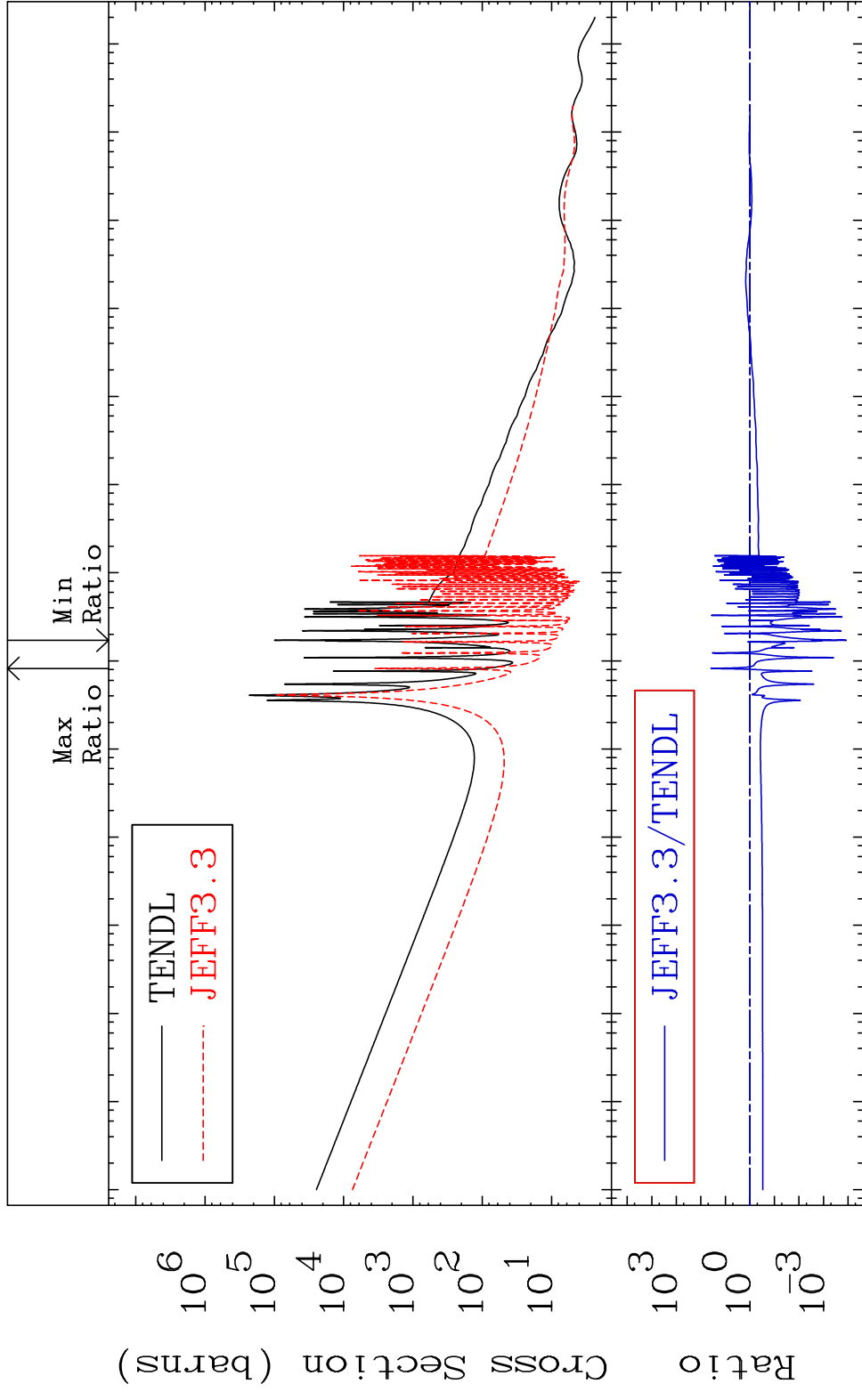
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6161

Total 61-Pm-151

Cross Section -99.99 To 3853. %



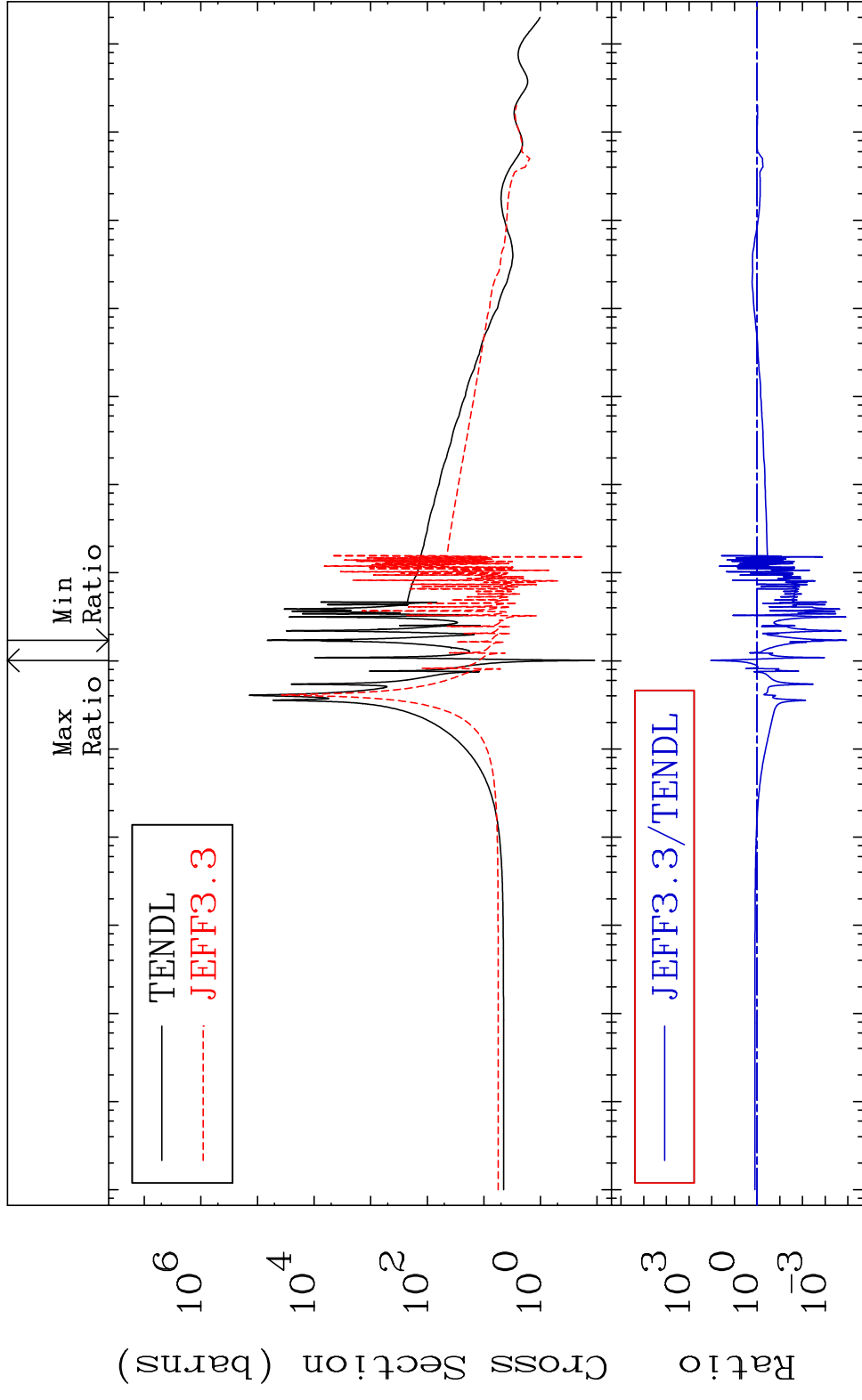
1

Incident Energy (eV)

61-Pm-151

MAT 6161

Elastic Cross Section -99.99 To 9999. %  
61-Pm-151

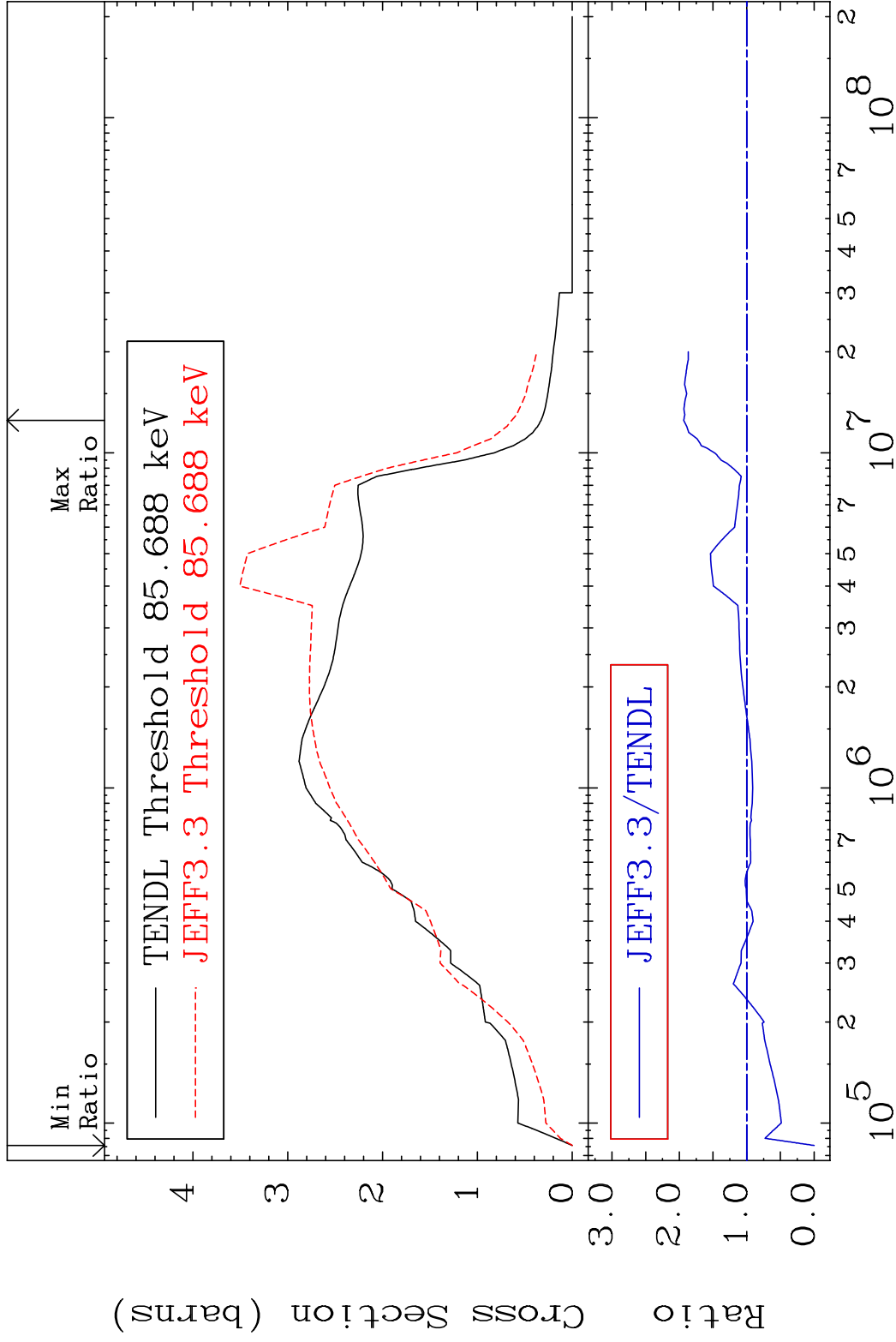


MAT 6161

Inelastic

61-Pm-151

Cross Section -100.0 To 93.62 %



3

Incident Energy (eV)

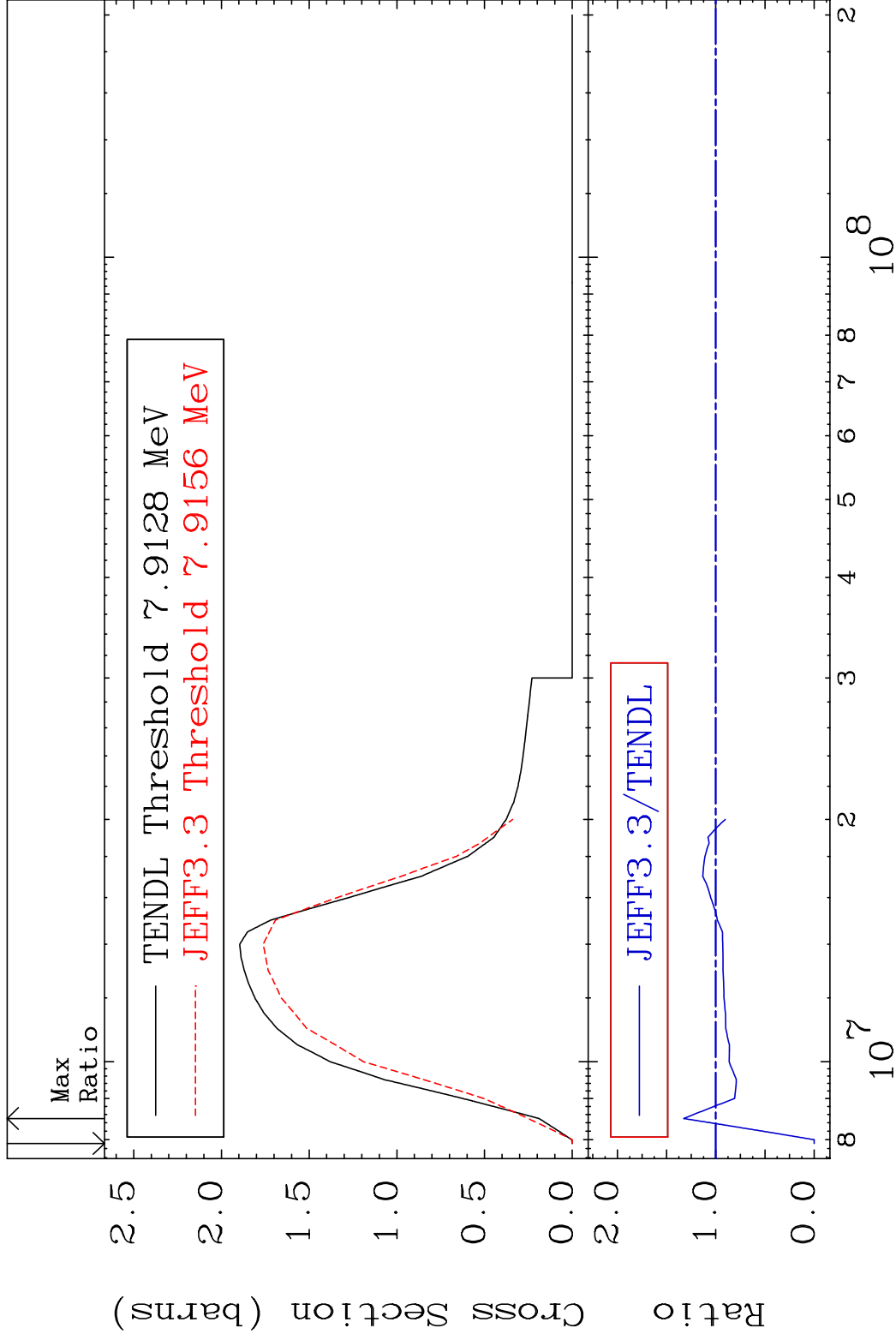
61-Pm-151

MAT 6161

(n,2n)

61-Pm-151

Cross Section -100.0 To 32.66 %



4

Incident Energy (eV)

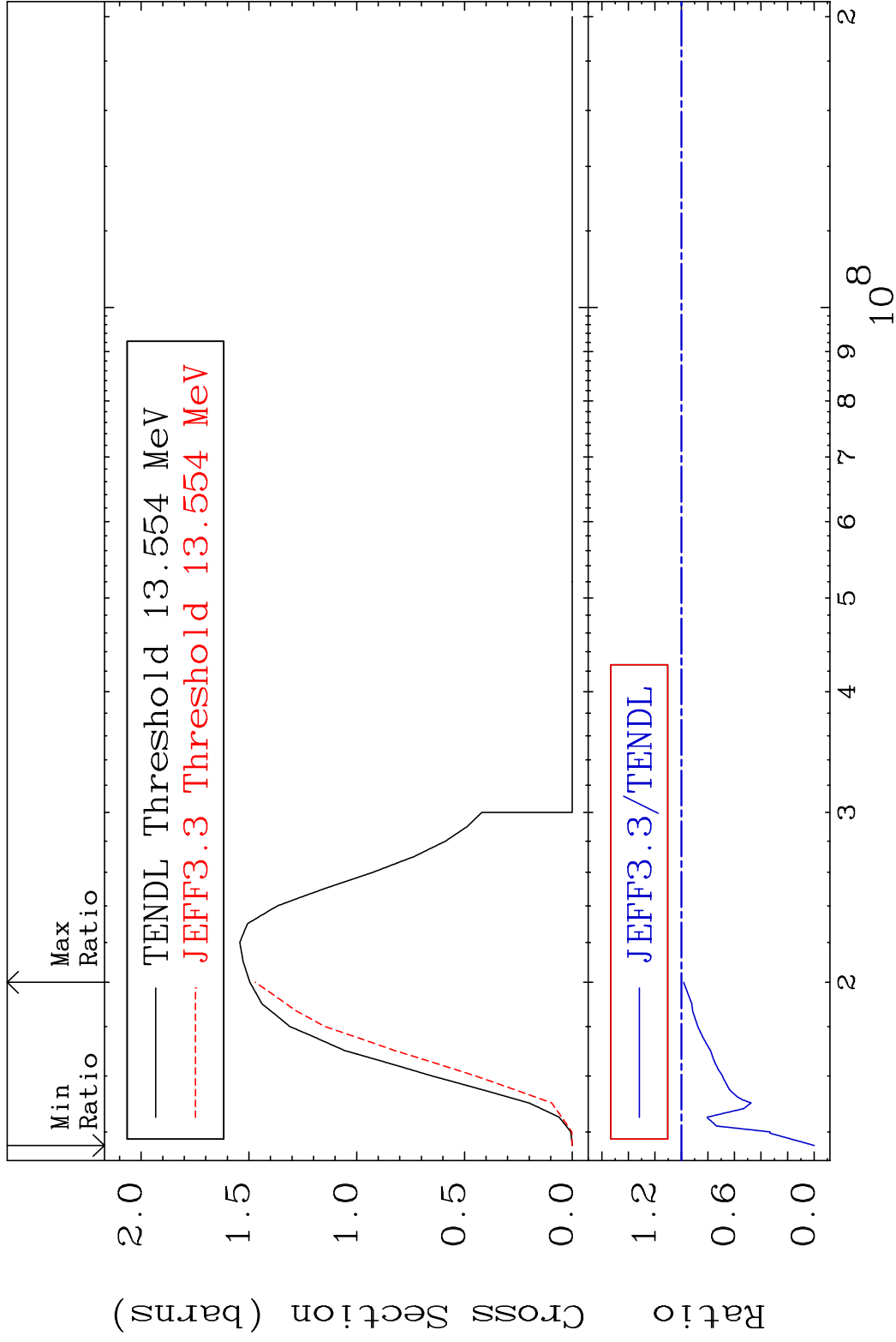
61-Pm-151

MAT 6161

(n,3n)

61-Pm-151

Cross Section -100.0 To -1.696%



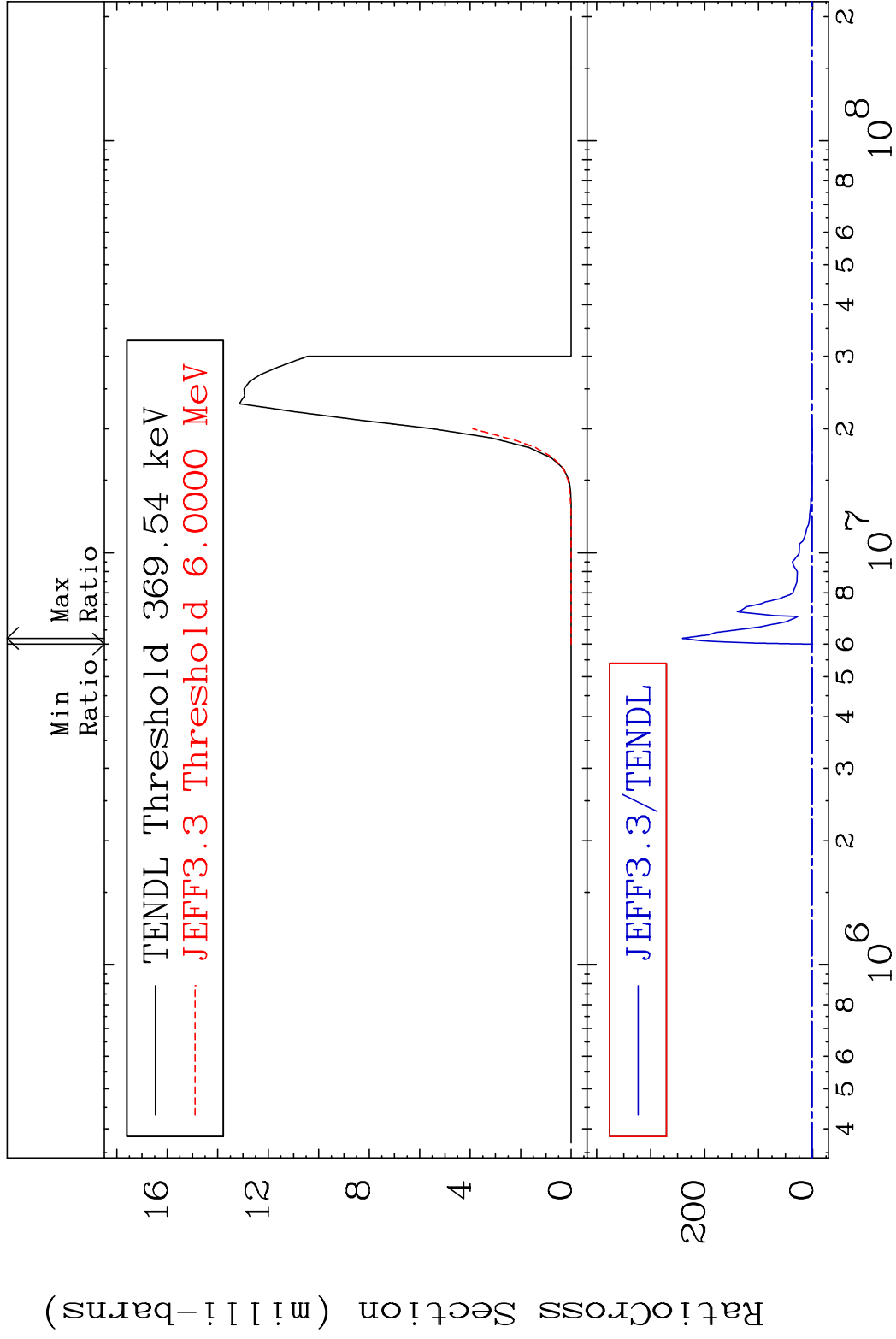
5

Incident Energy (eV)

61-Pm-151

MAT 6161

(n, n')  $\alpha$  61-Pm-151  
Cross Section -100.0 To 9999. %



6

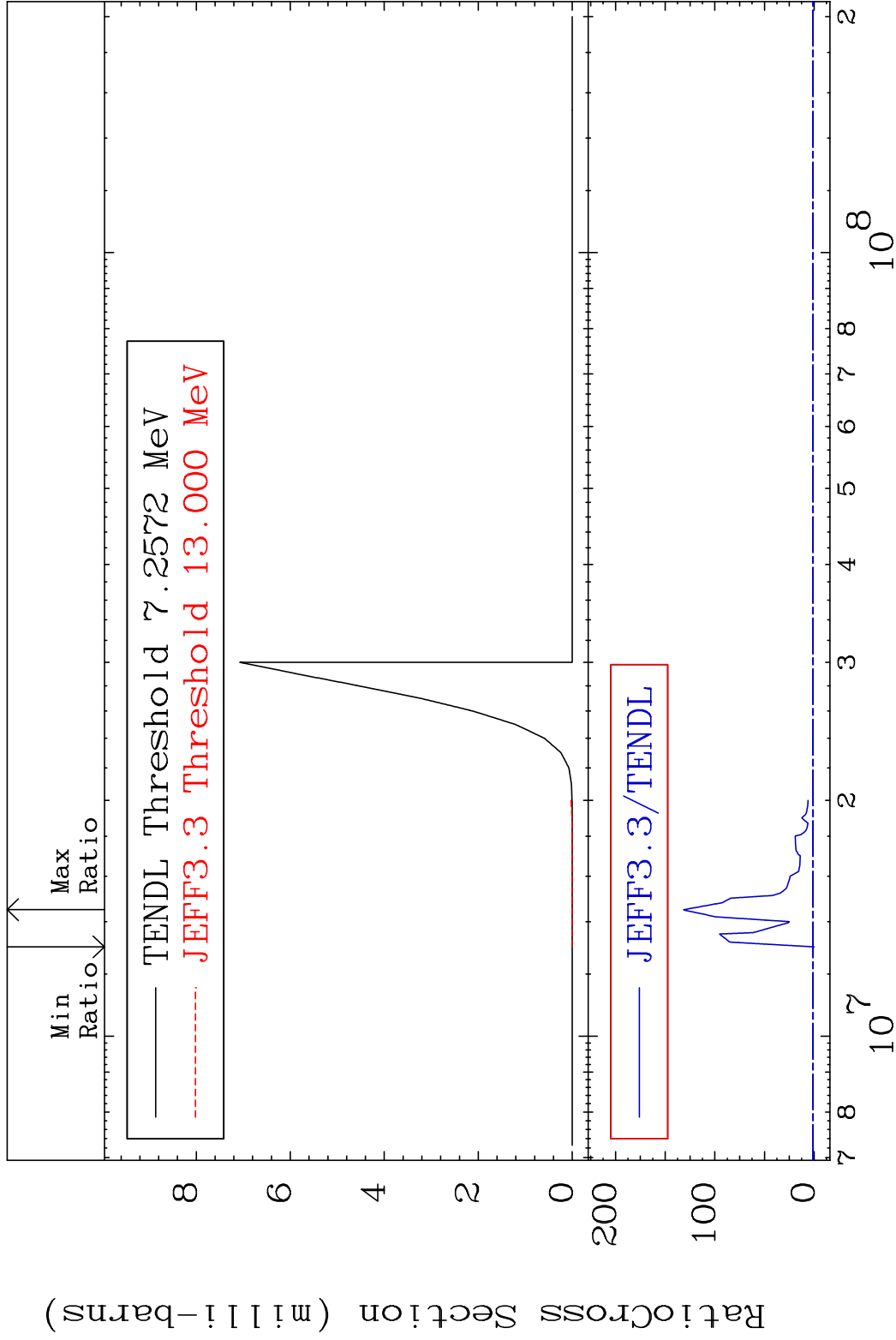
Incident Energy (eV)

61-Pm-151

MAT 6161

(n,2n)  $\alpha$  61-Pm-151

Cross Section -100.0 To 9999. %



7

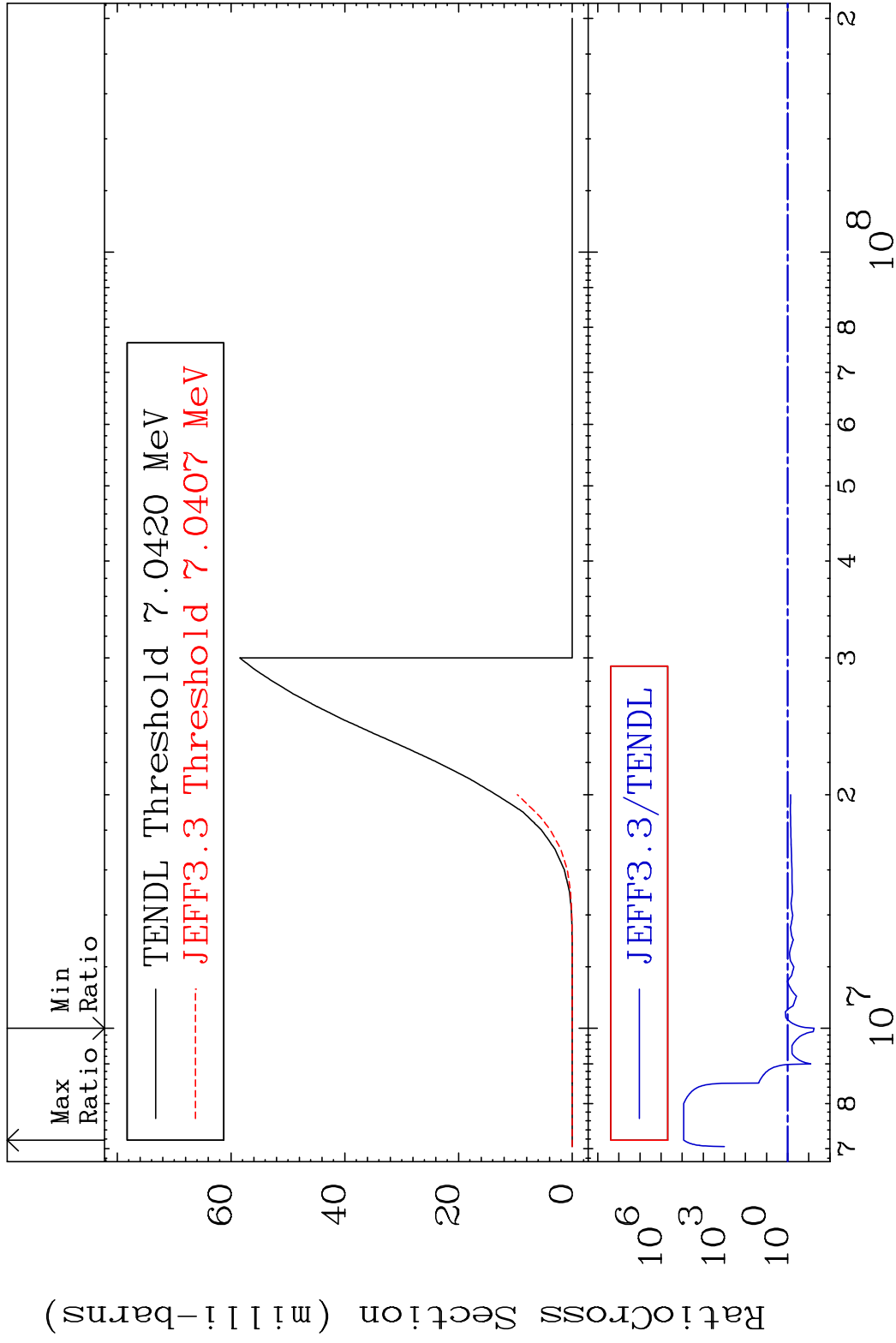
Incident Energy (eV)

61-Pm-151



MAT 6161

(n, n') p 61-Pm-151  
Cross Section -94.42 To 9999. %



8

Incident Energy (eV)

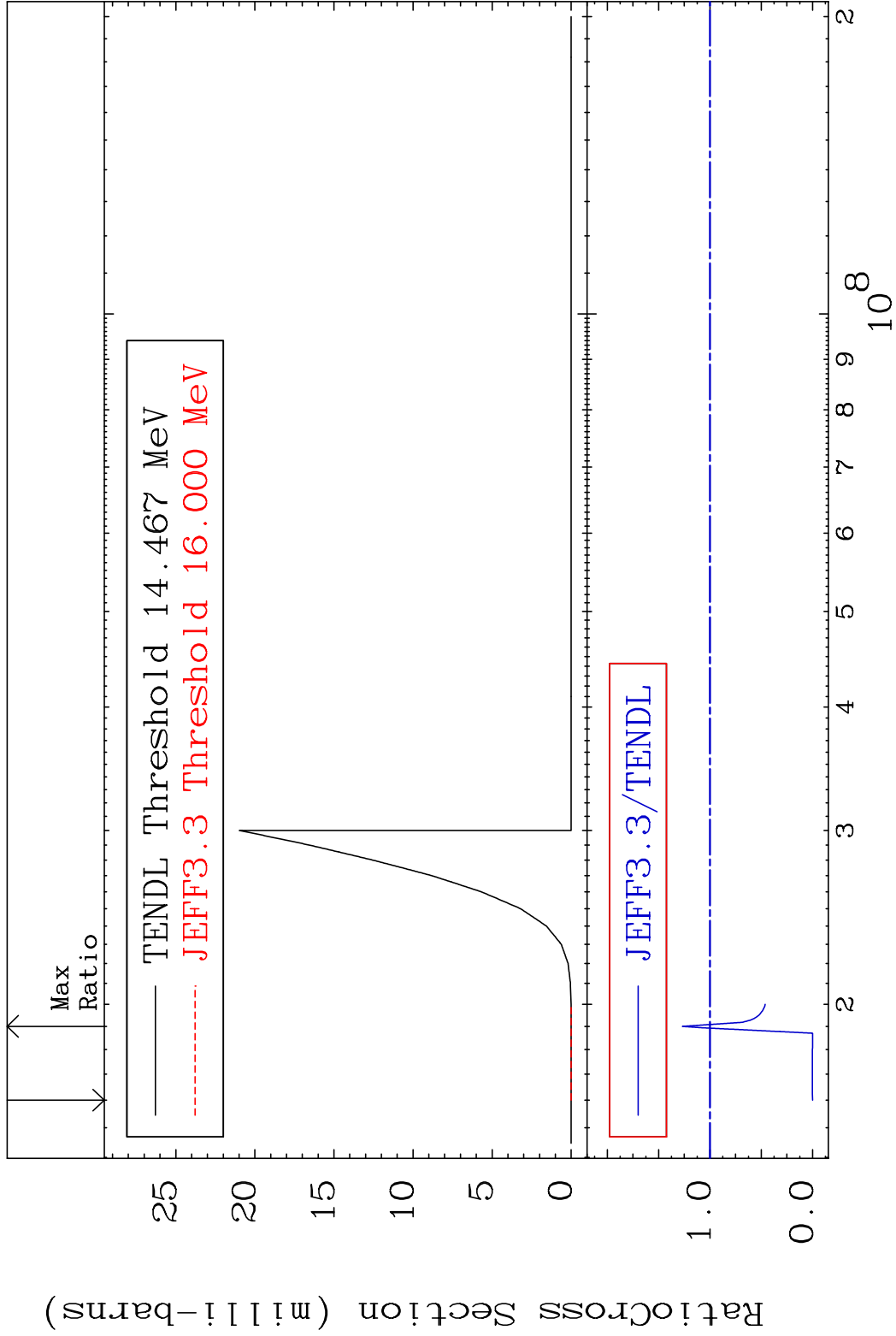
61-Pm-151

MAT 6161

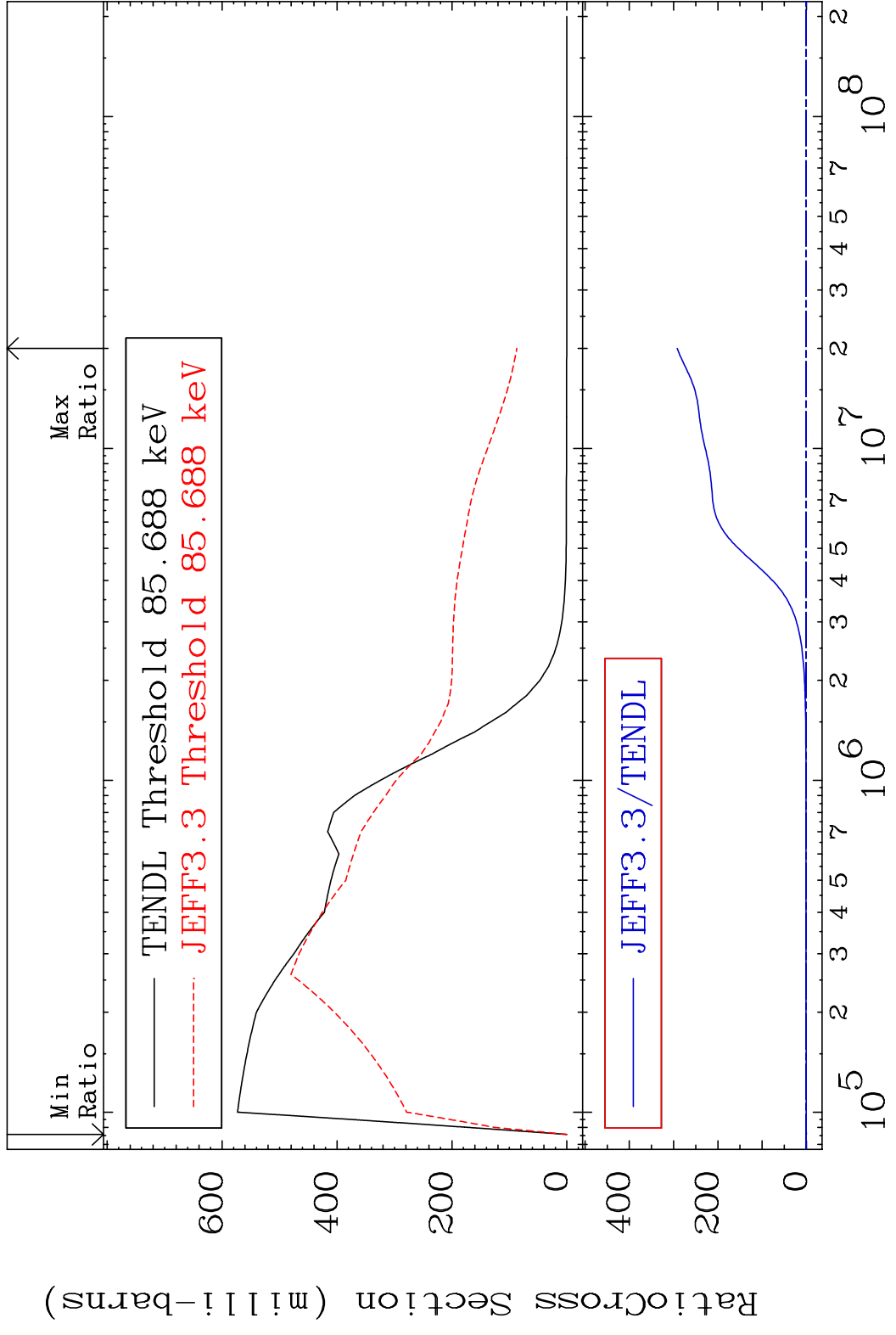
(n,2n) p

61-Pm-151

Cross Section -100.0 To 26.90 %

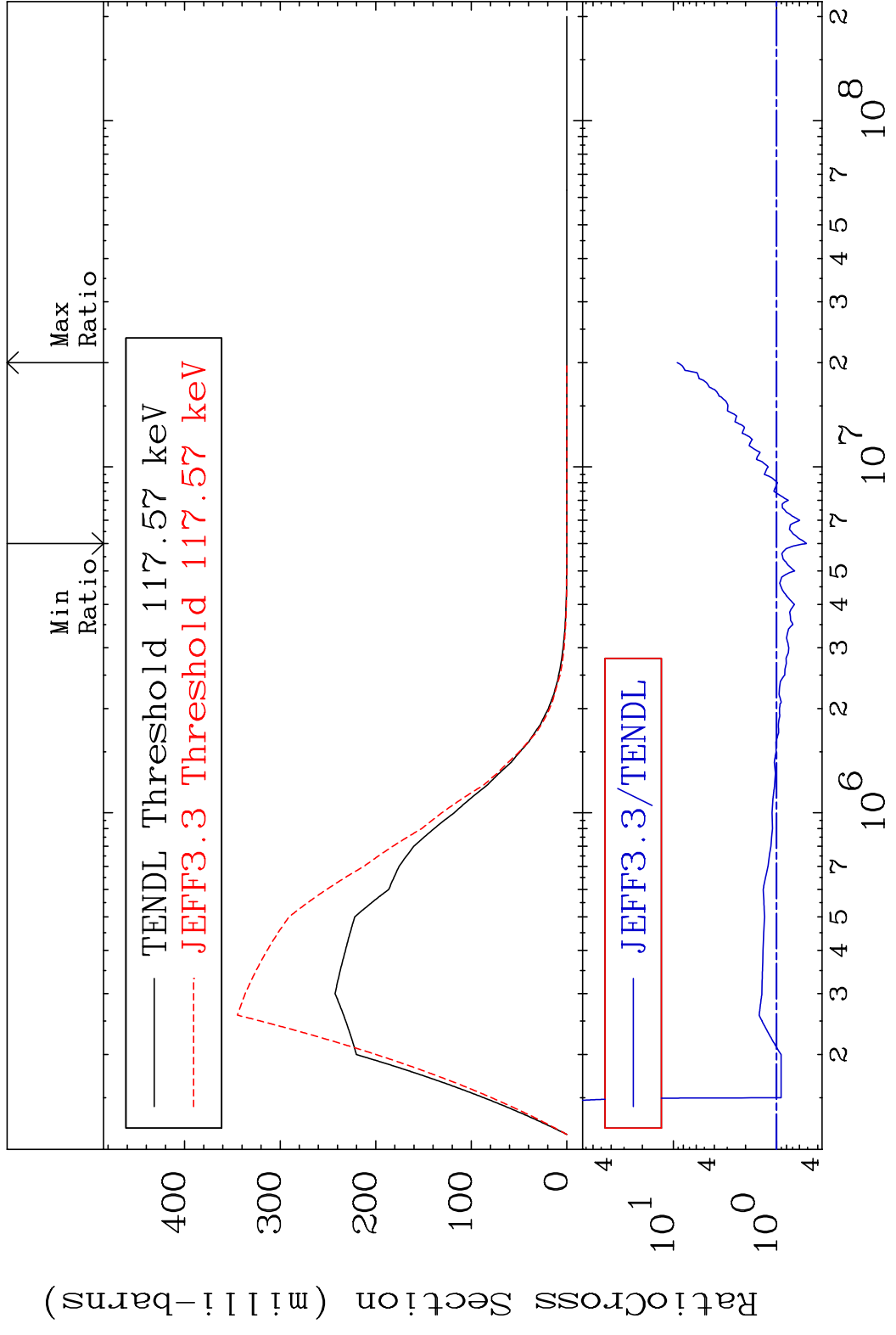


MAT 6161 MT= 51 (n, n') Level 61-Pm-151  
 Cross Section -100.0 To 9999. %

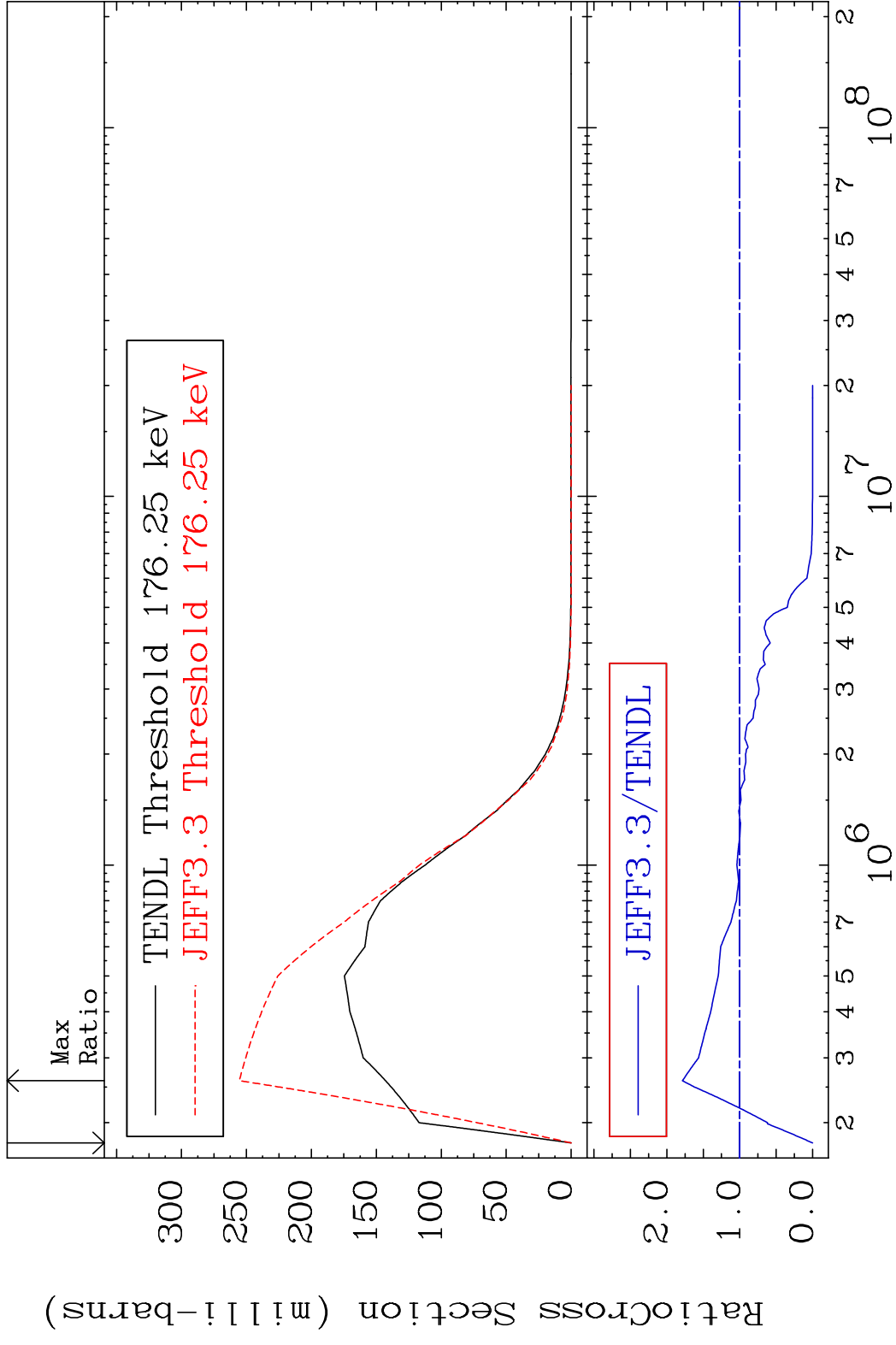


10 2 3 4 5 6 7 8 2 3 4 5 6 7 8 2  
 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>  
 61-Pm-151

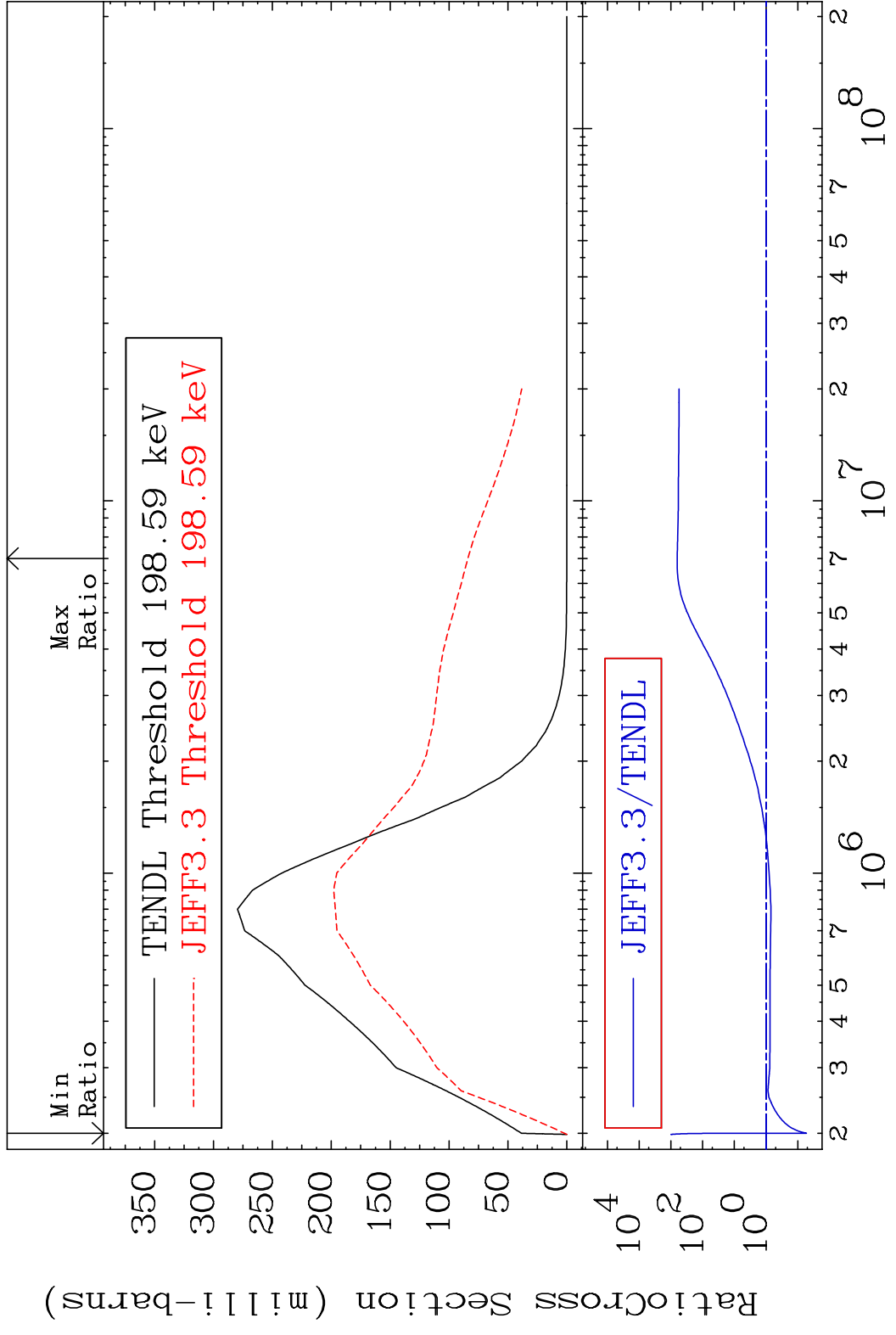
MAT 6161 MT= 52 (n, n') Level 61-Pm-151  
 Cross Section -48.56 To 818.0 %



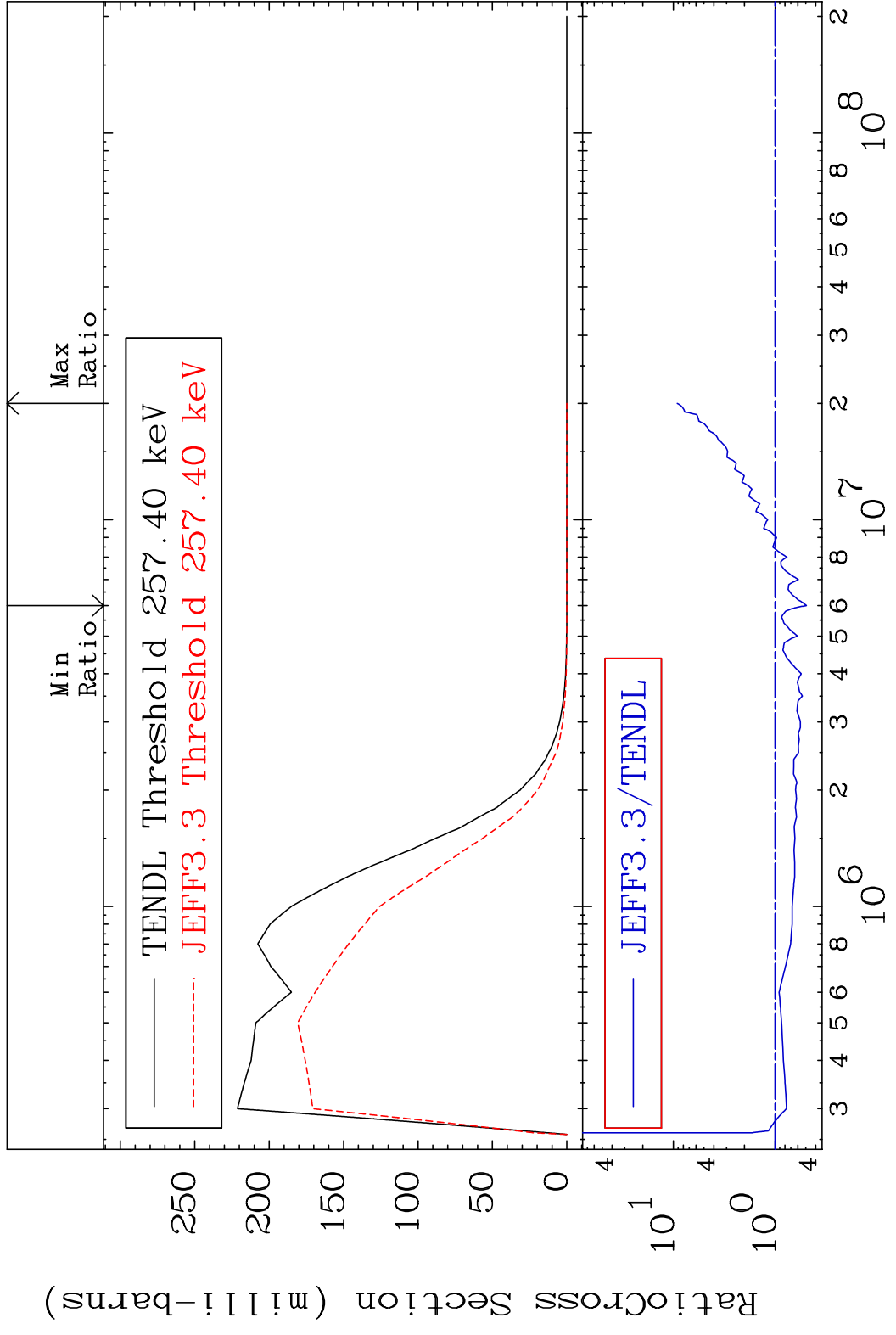
MAT 6161 MT= 53 (n, n') Level 61-Pm-151  
 Cross Section -100.0 To 78.73 %



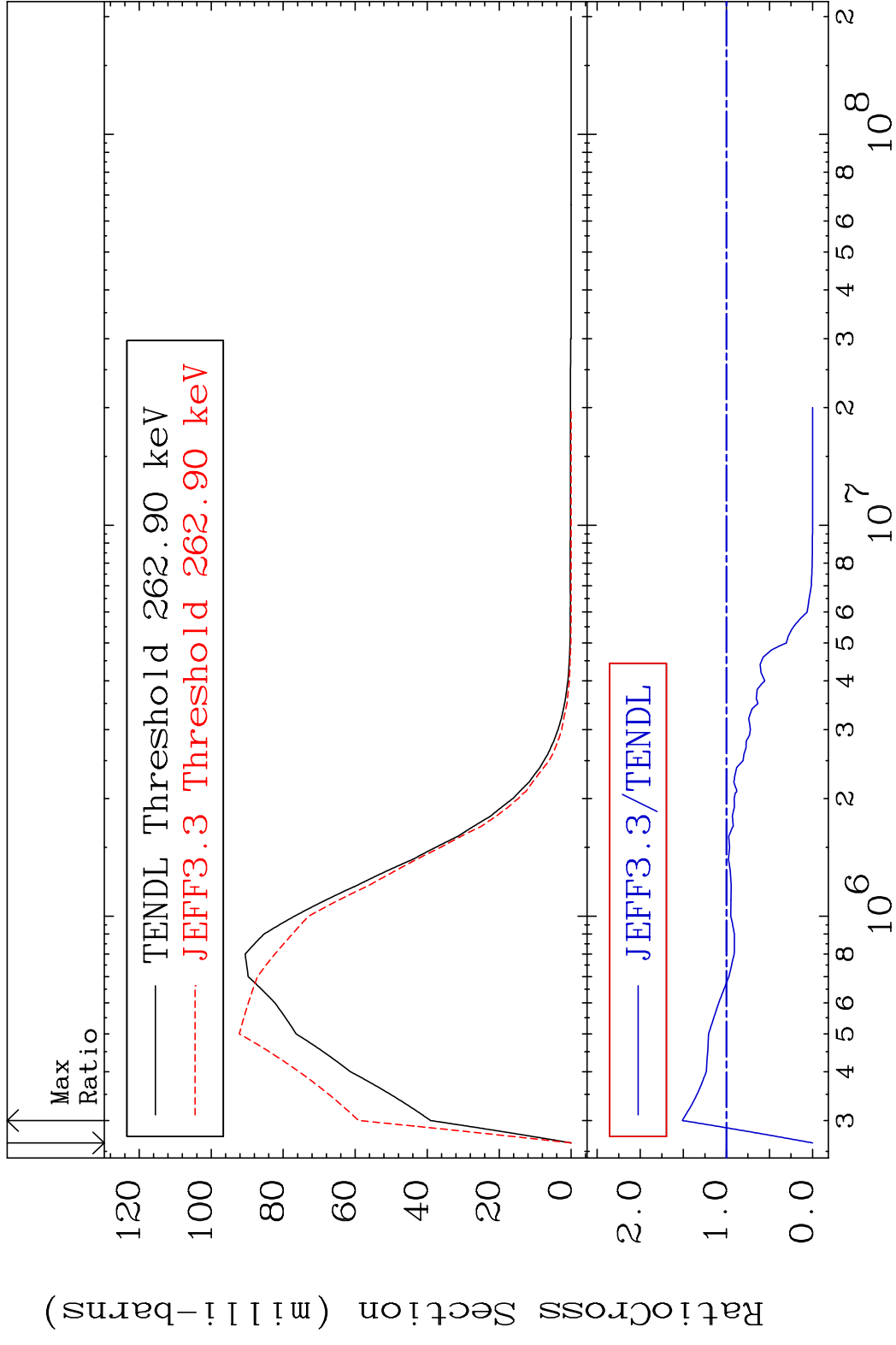
MAT 6161 MT= 54 (n, n') Level 61-Pm-151  
 Cross Section -94.65 To 9999. %



MAT 6161 MT= 55 (n,n') Level 61-Pm-151  
 Cross Section -50.67 To 817.4 %

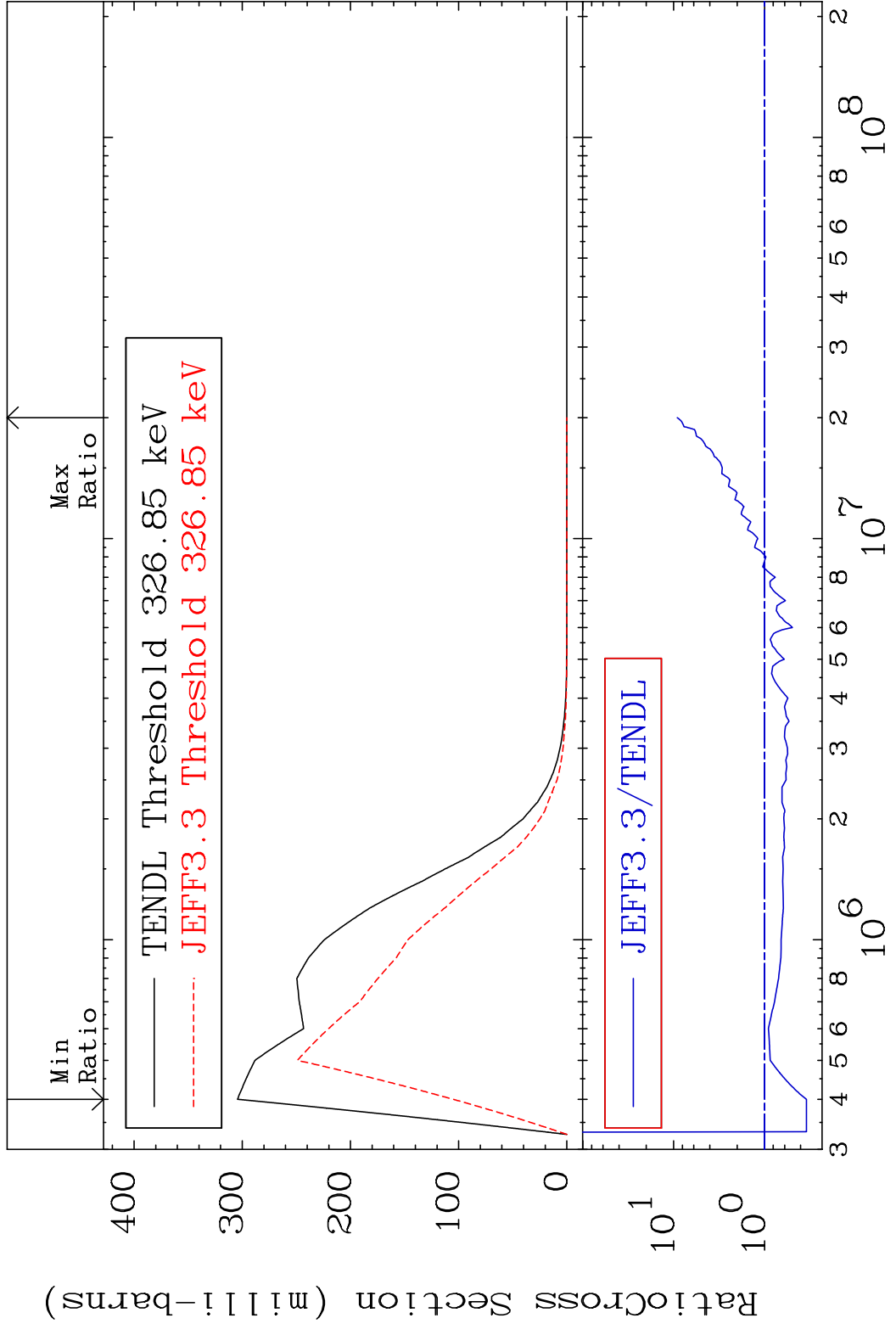


MAT 6161 MT= 56 (n,n') Level 61-Pm-151  
 Cross Section -100.0 To 51.11 %

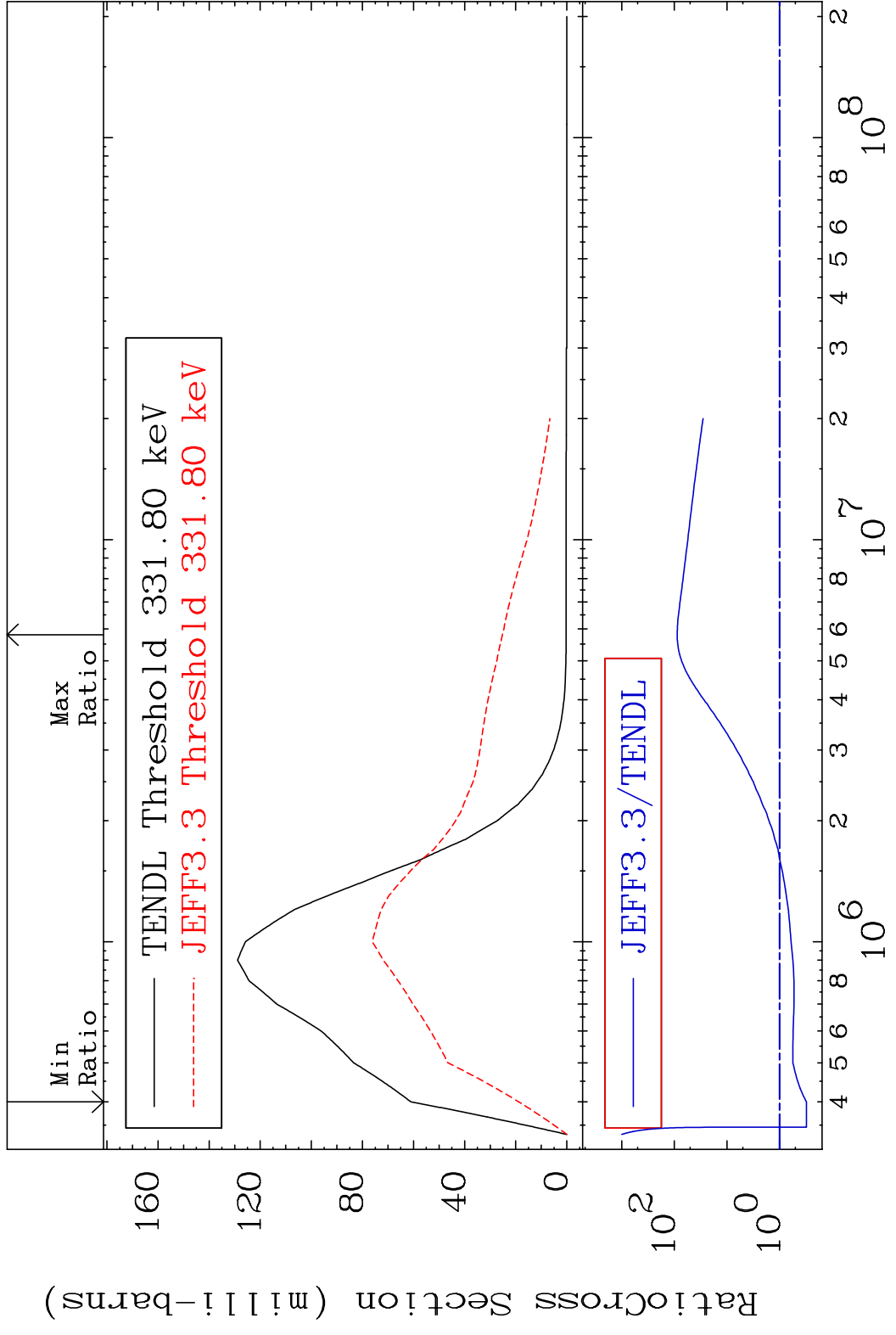




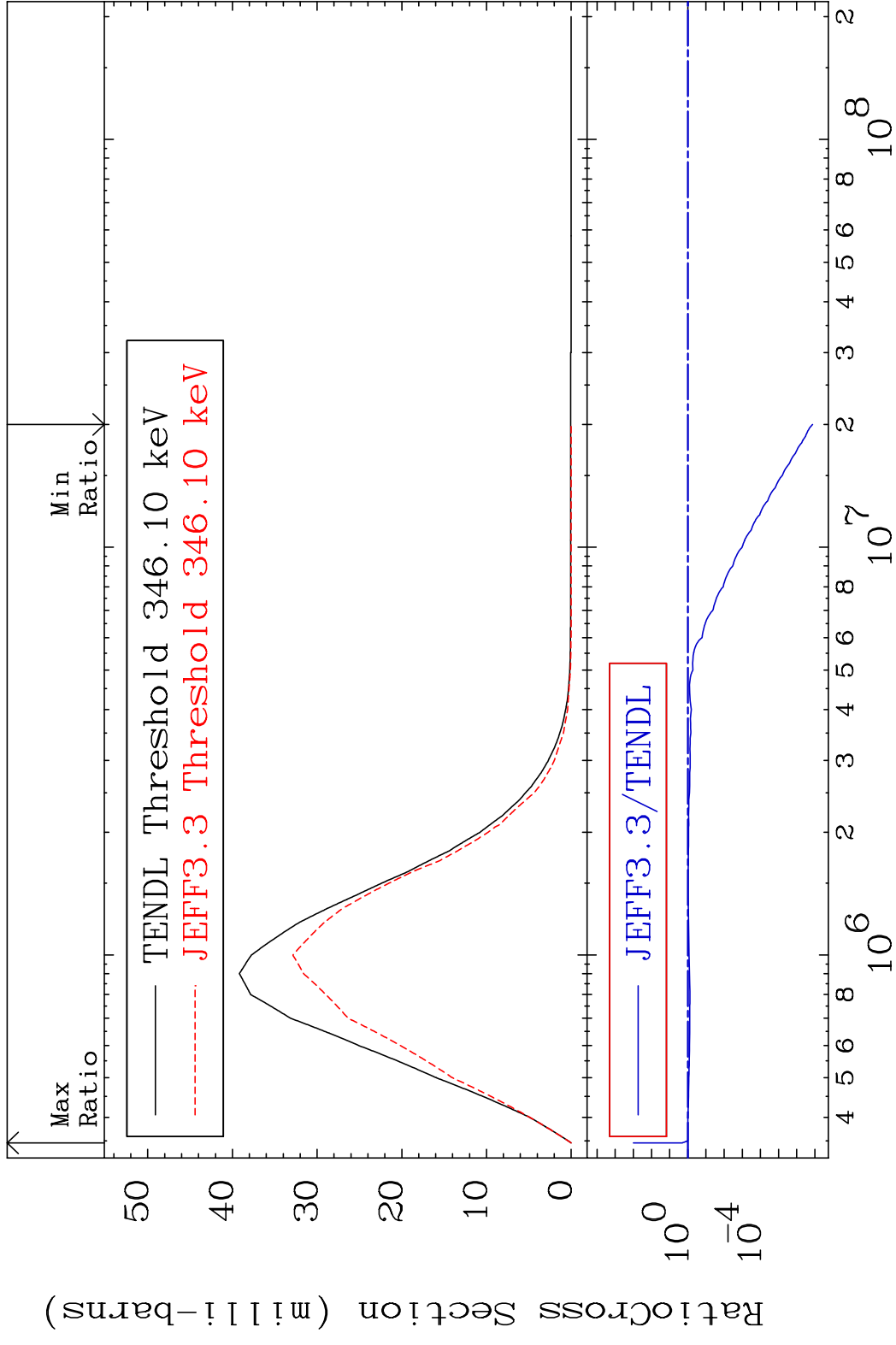
MAT 6161 MT= 57 (n, n') Level 61-Pm-151  
 Cross Section -65.44 To 814.2 %



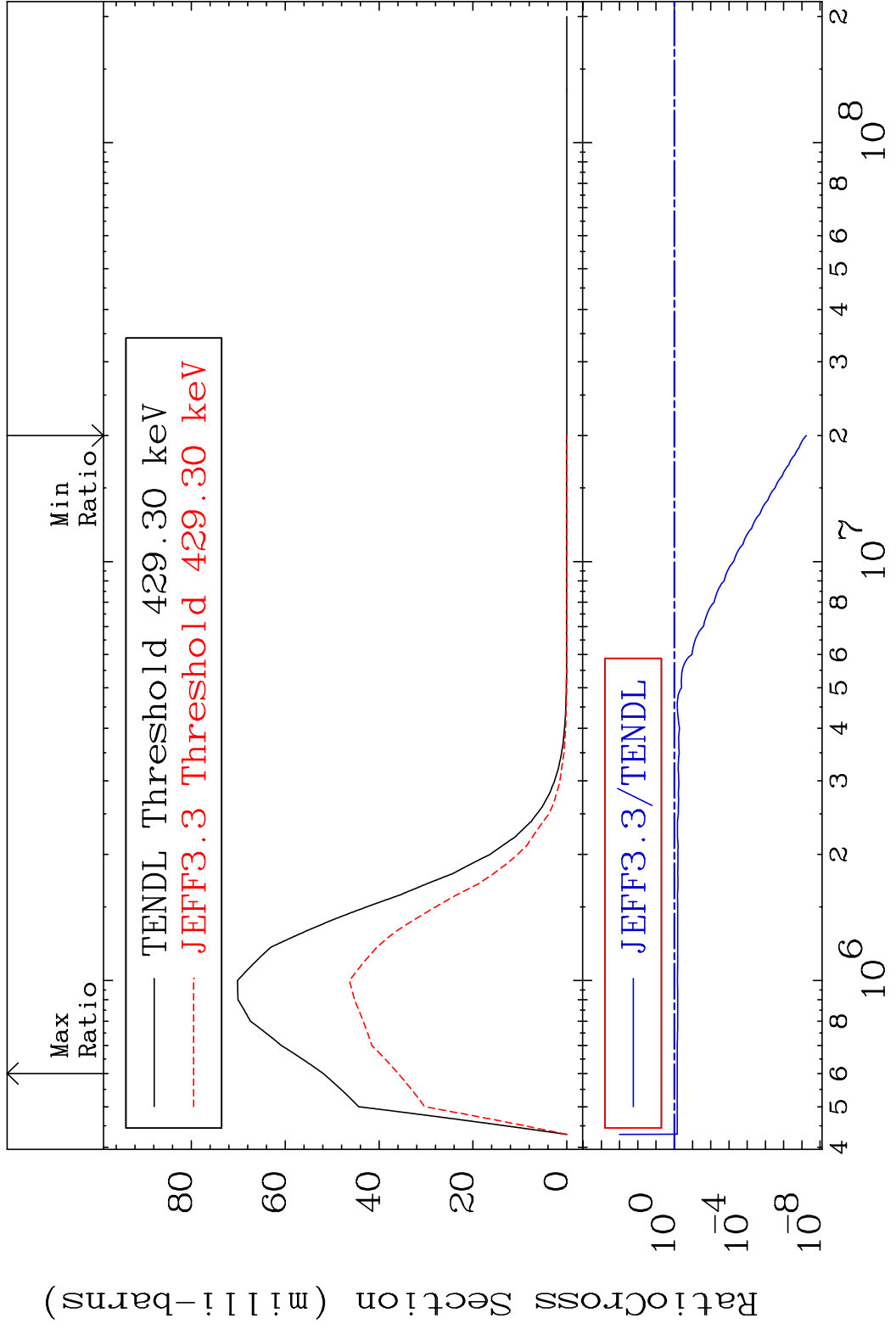
MAT 6161 MT= 58 (n, n') Level 61-Pm-151  
 Cross Section -69.09 To 8745. %



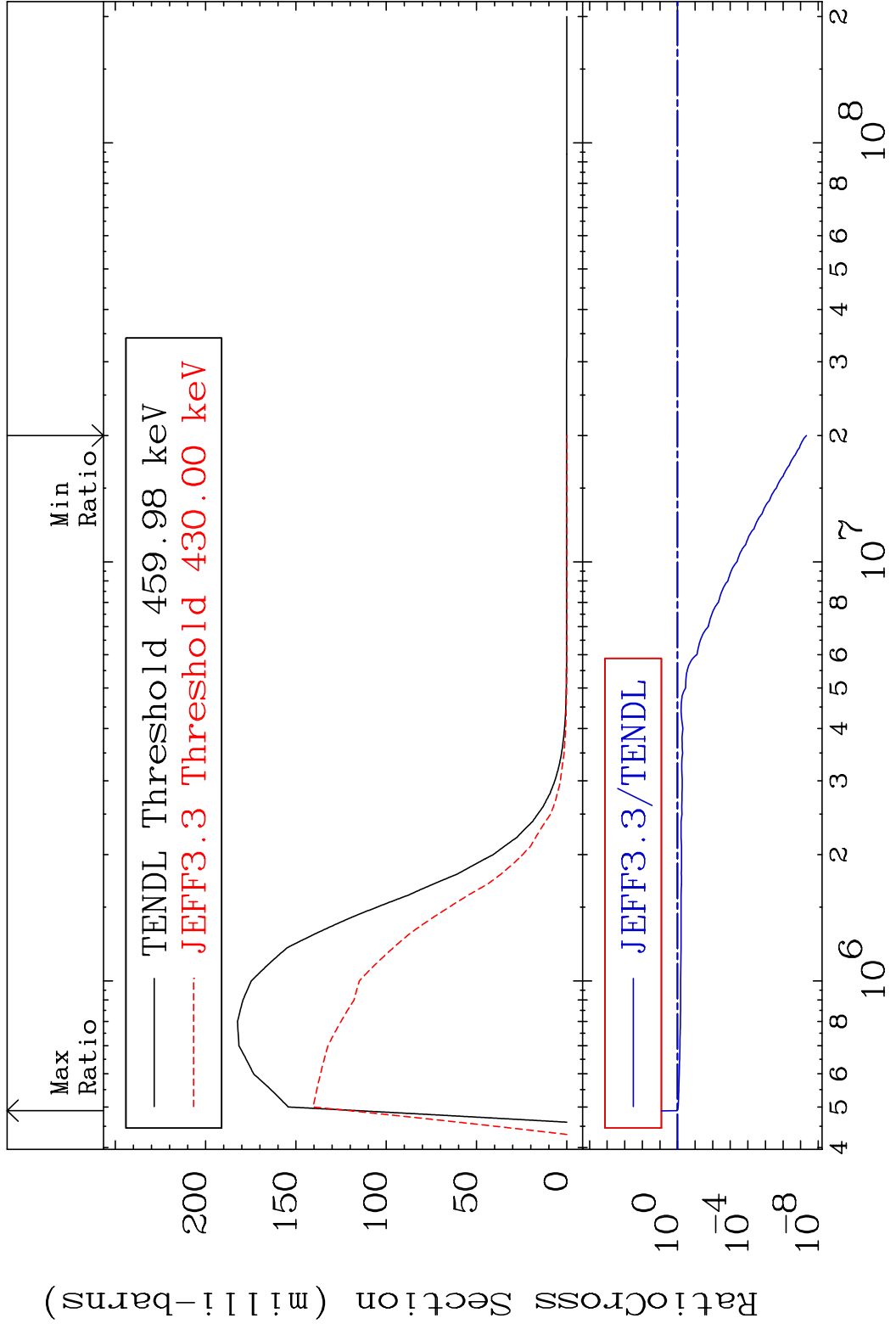
MAT 6161 MT= 59 (n, n') Level 61-Pm-151  
 Cross Section -100.0 To 100.1 %



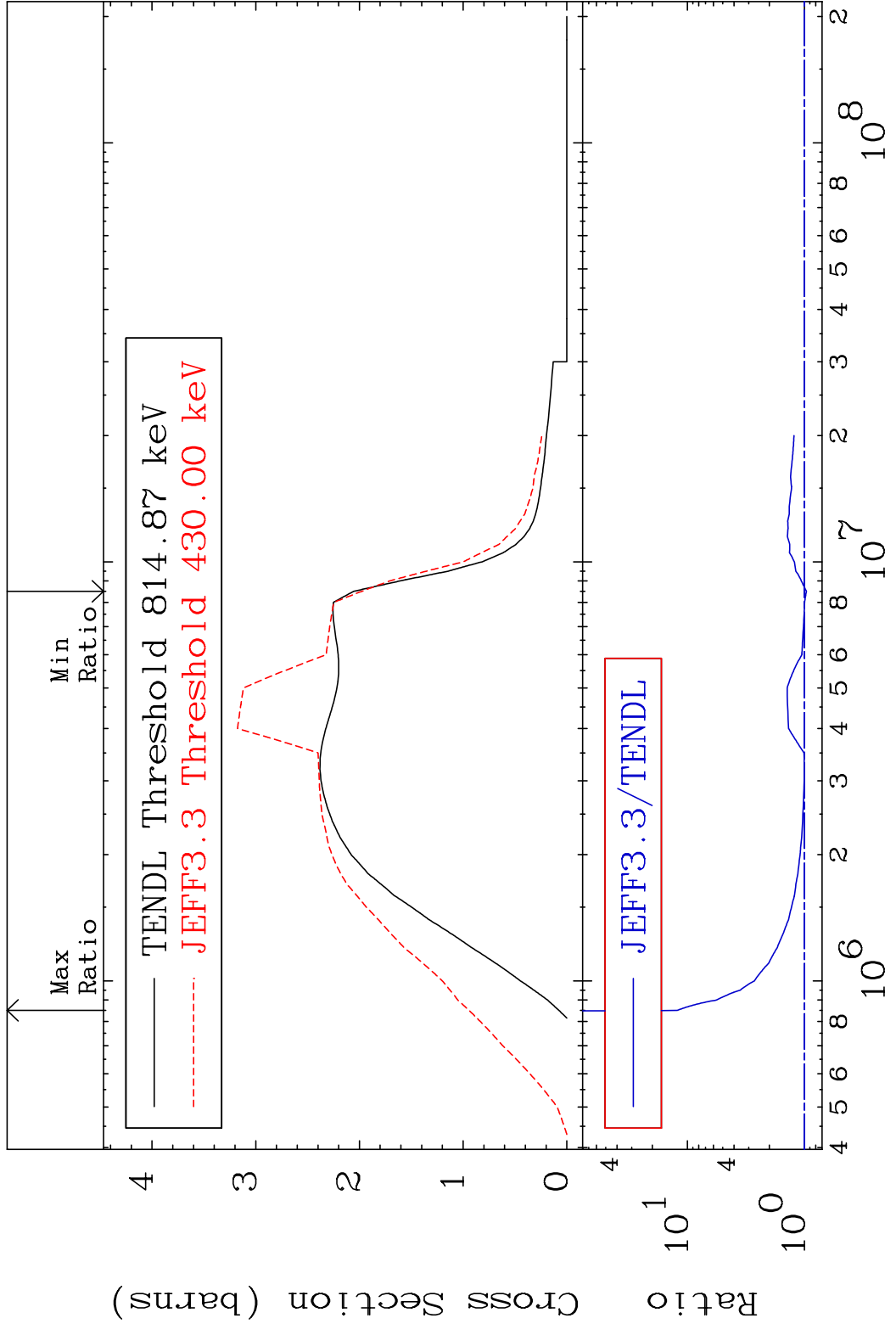
MAT 6161 MT= 60 (n, n') Level 61-Pm-151  
 Cross Section -100.0 To -30.79%



MAT 6161 MT= 61 (n, n') Level 61-Pm-151  
 Cross Section -100.0 To 4.152 %



MAT 6161 (n, n') Continuum 61-Pm-151  
 Cross Section -3.764 To 1125. %

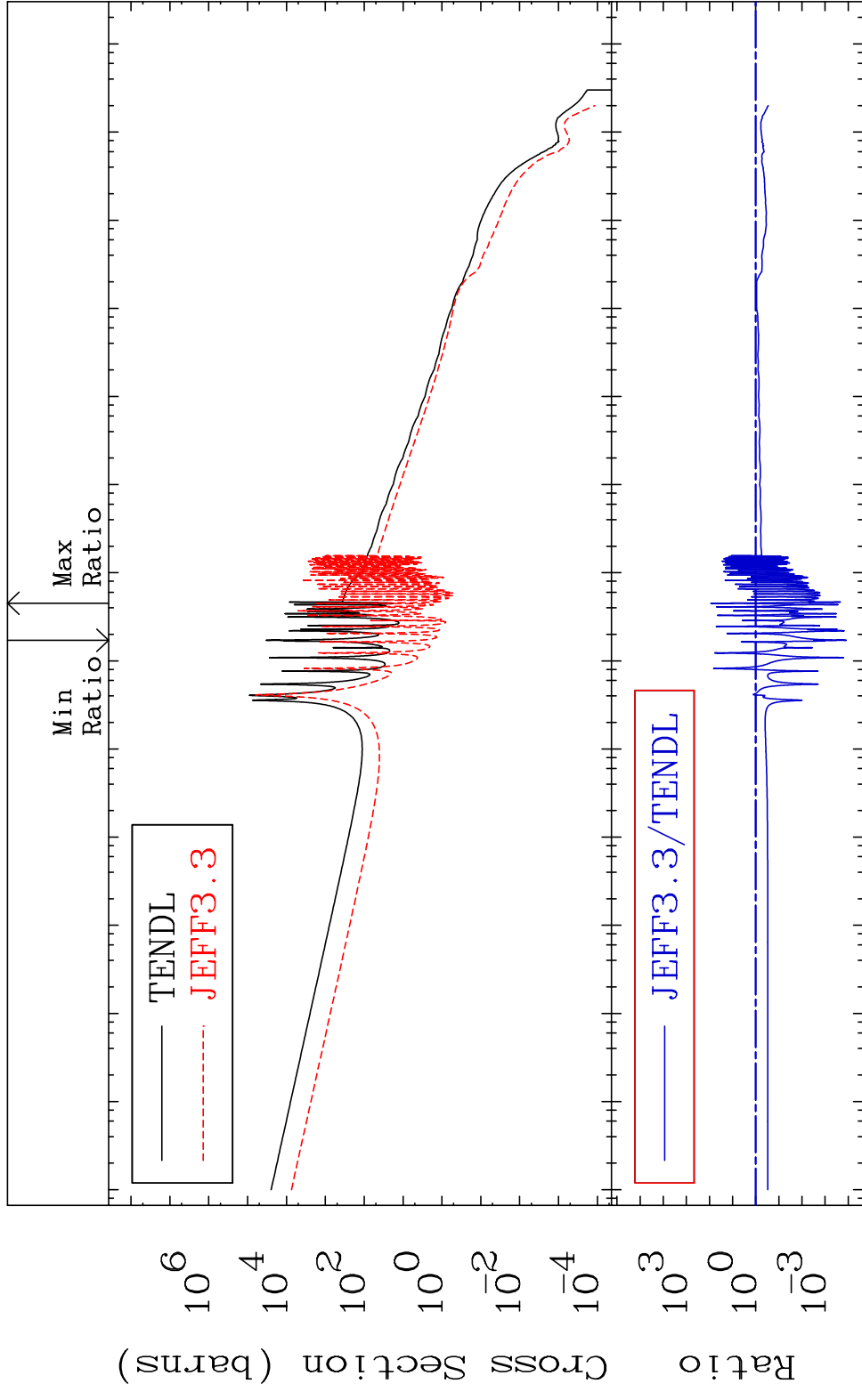


MAT 6161

(n,  $\gamma$ )

61-Pm-151

Cross Section -99.99 To 8740. %



22

Incident Energy (eV)

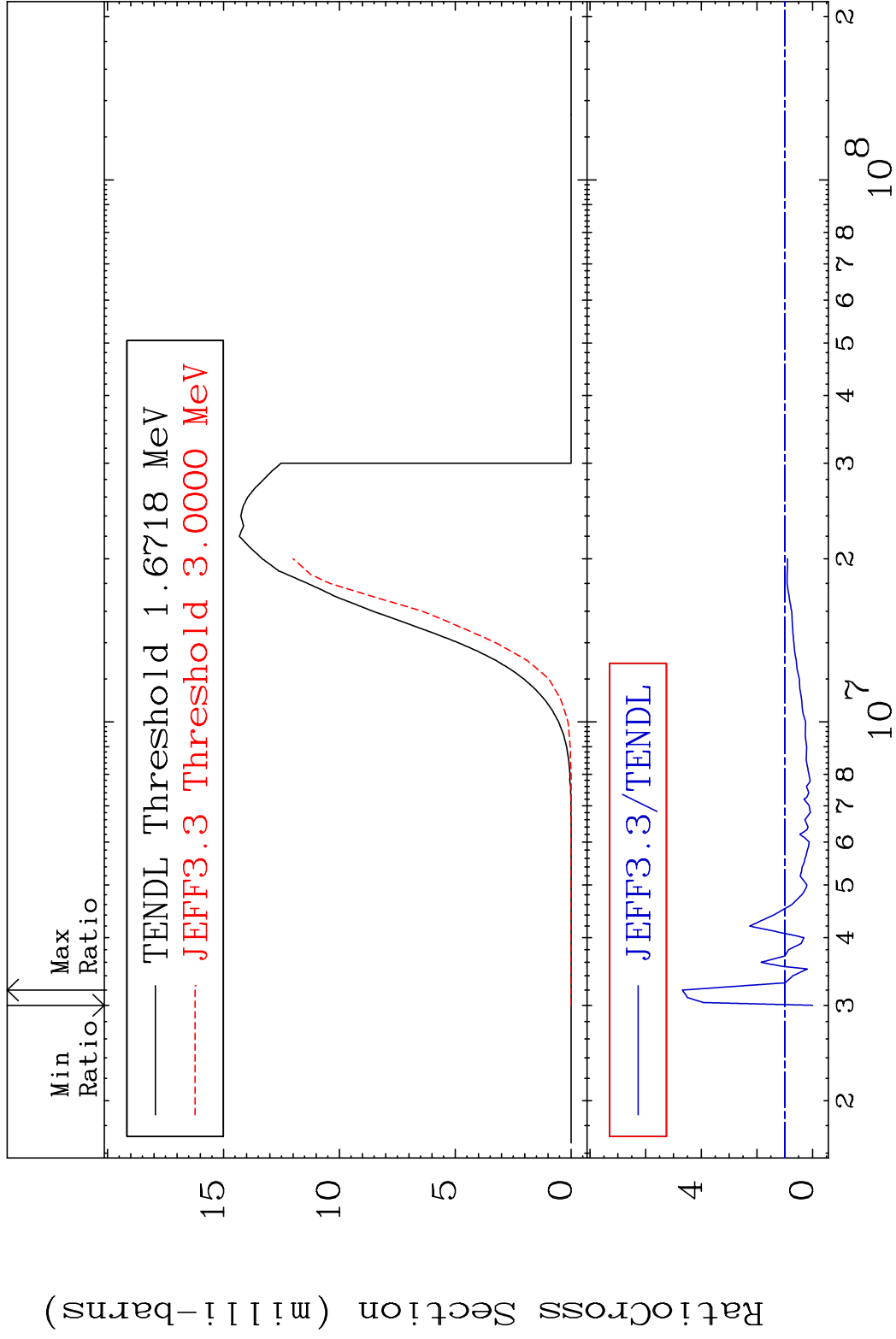
61-Pm-151

MAT 6161

(n, p)

61-Pm-151

Cross Section -100.0 To 367.8 %



23

Incident Energy (eV)

61-Pm-151

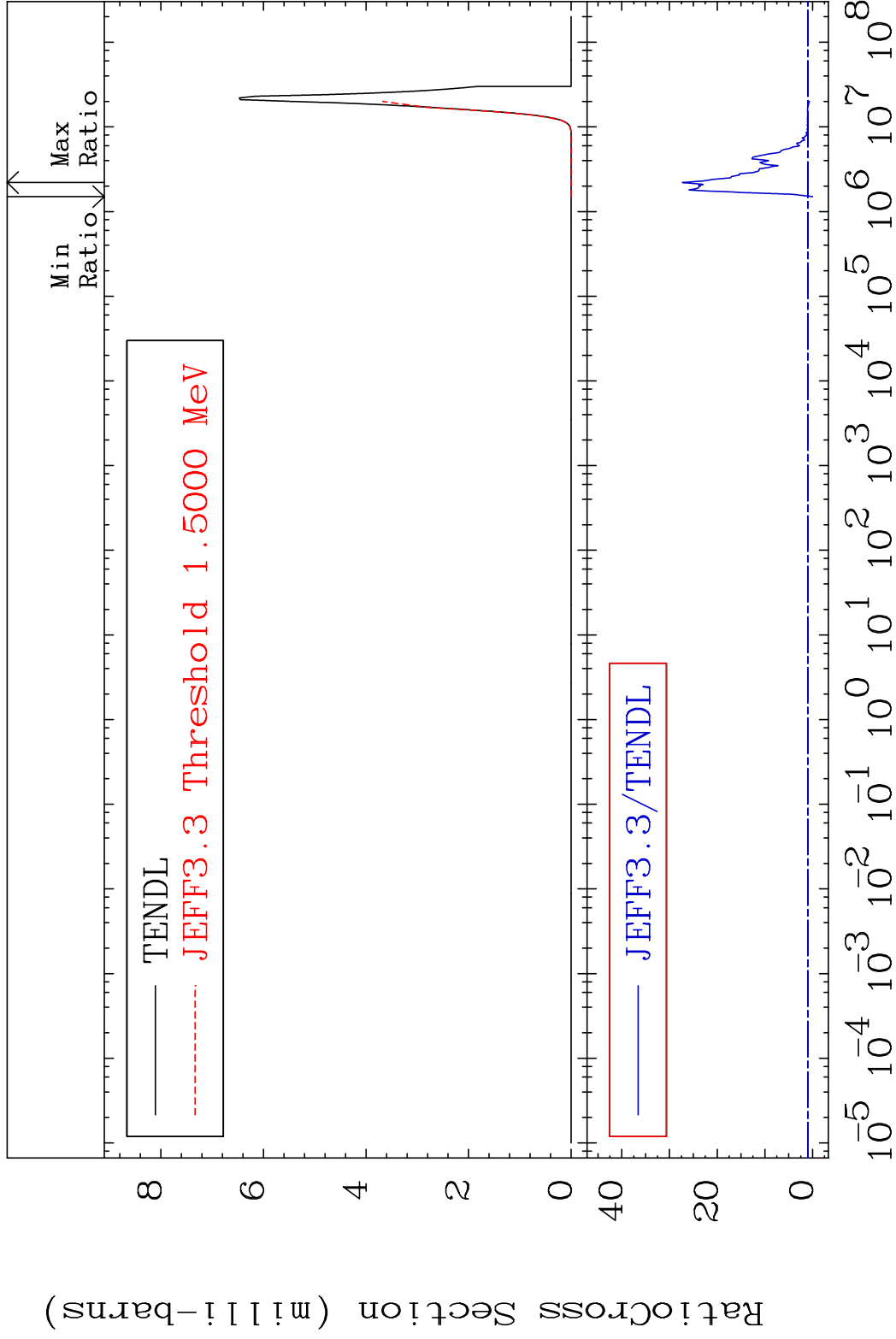


MAT 6161

(n,  $\alpha$ )

61-Pm-151

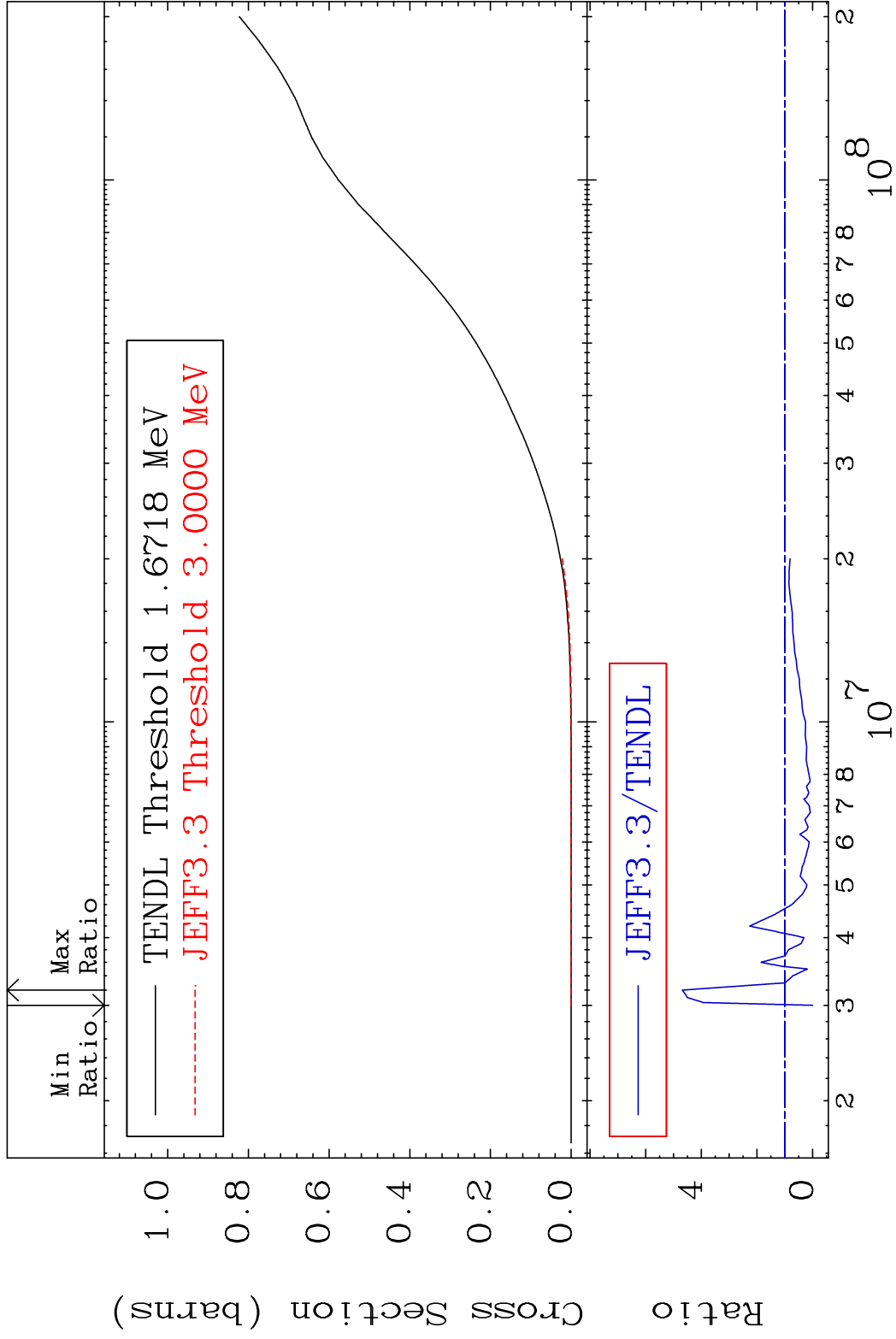
Cross Section -100.0 To 2630. %



24

Incident Energy (eV)

61-Pm-151

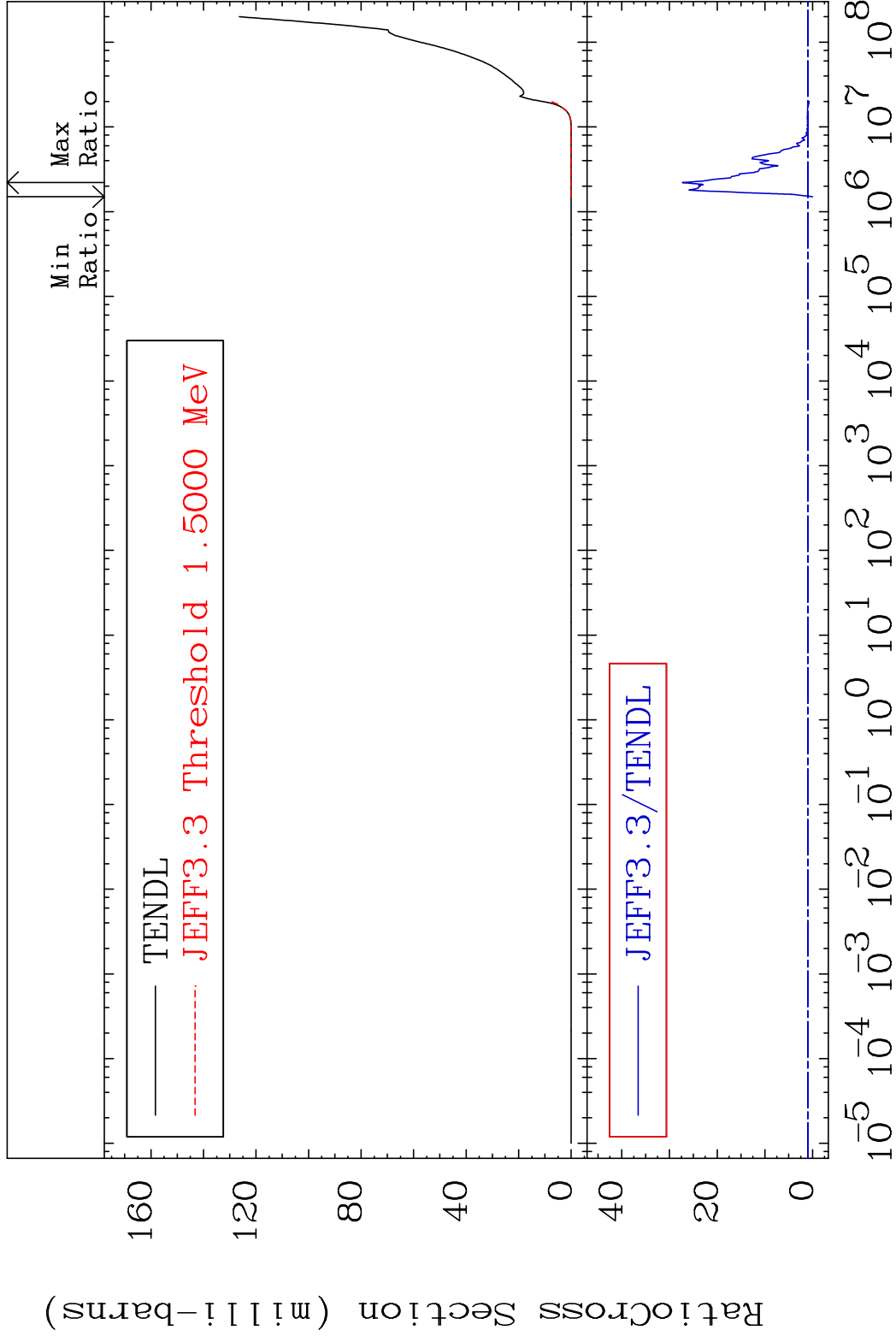


MAT 6161

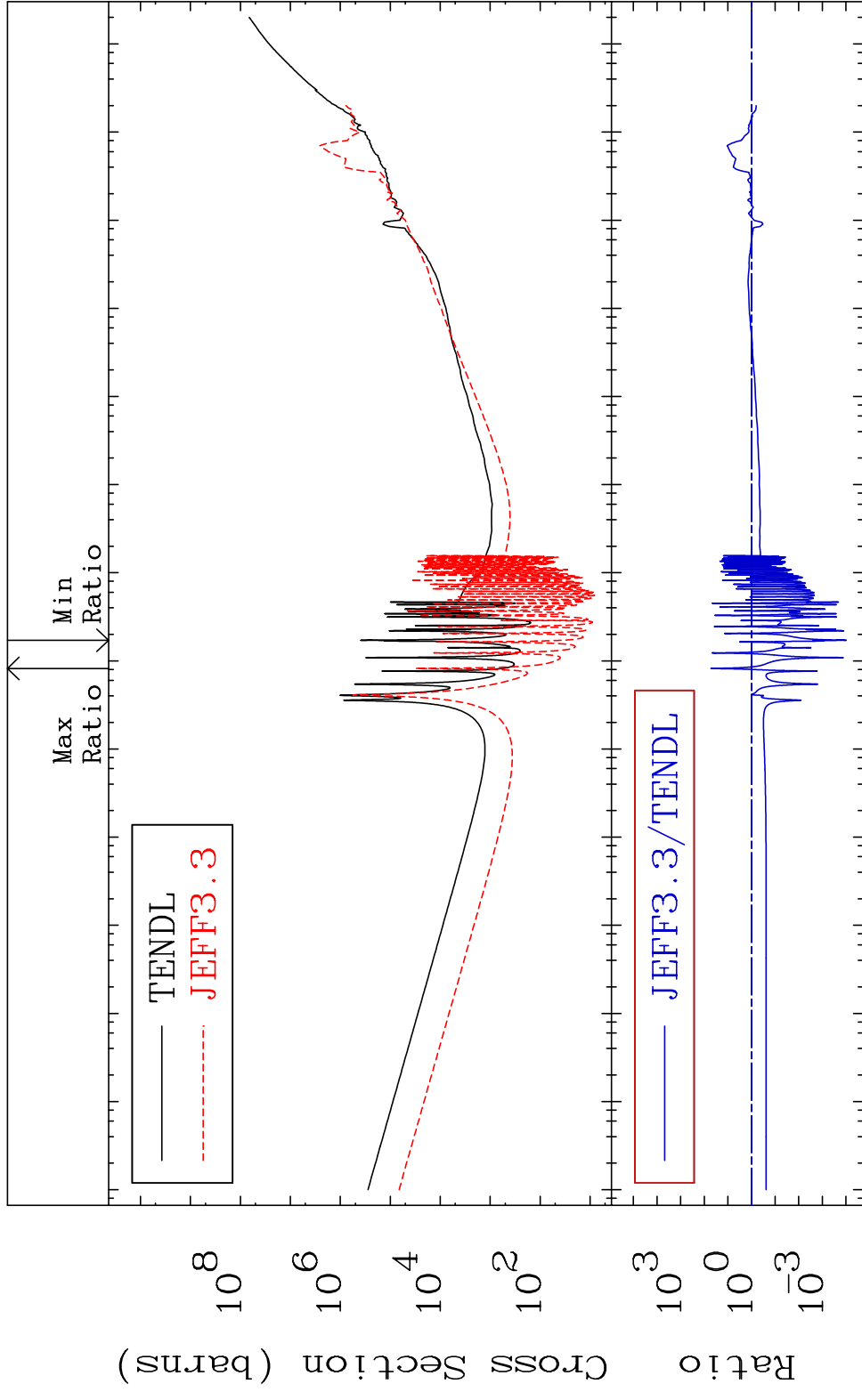
He-4 Production

61-Pm-151

Cross Section -100.0 To 2630. %



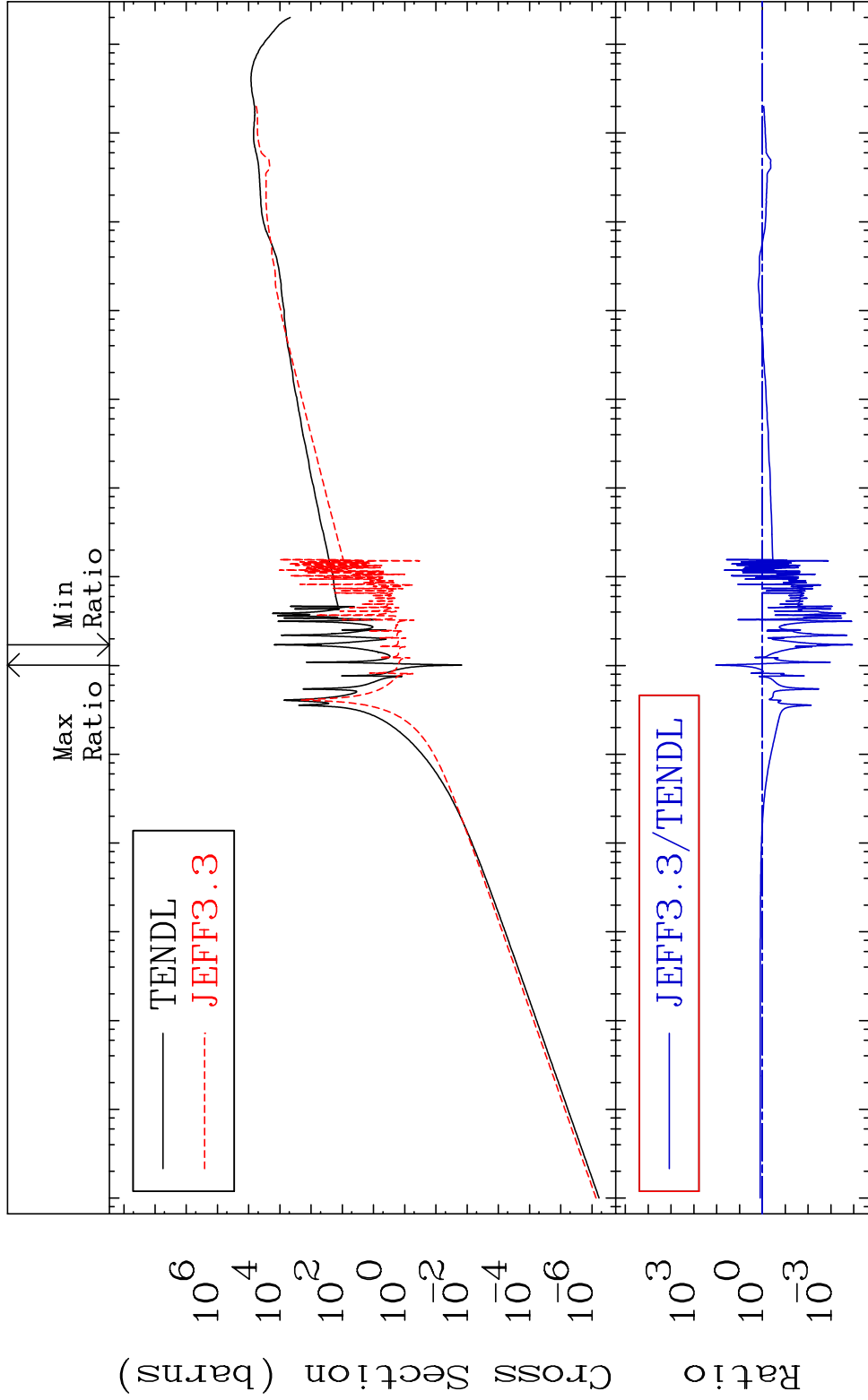
MAT 6161 Kerma total (eV-barns) 61-Pm-151  
 Cross Section -99.99 To 5232. %



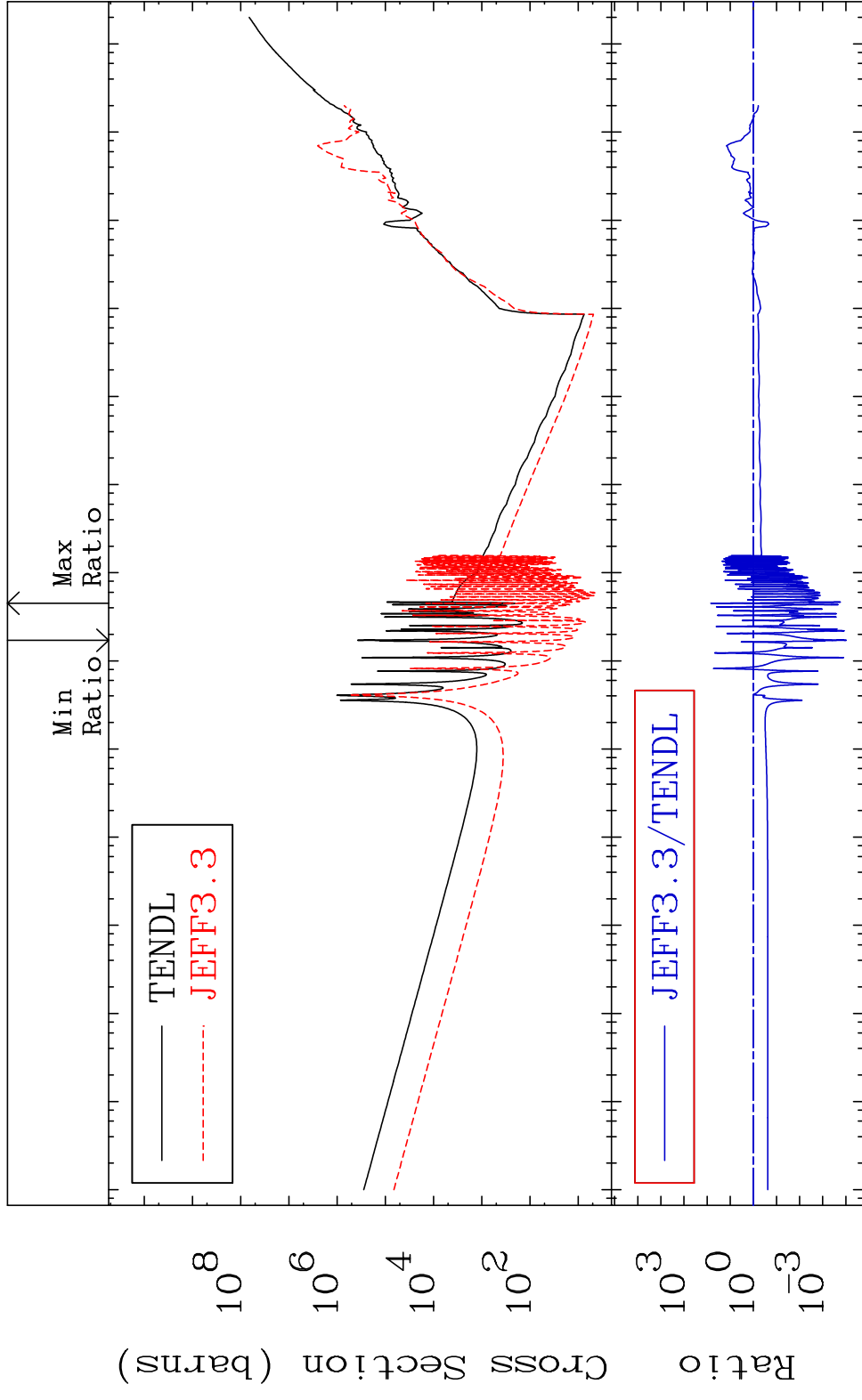
27 Incident Energy (eV) 61-Pm-151

MAT 6161

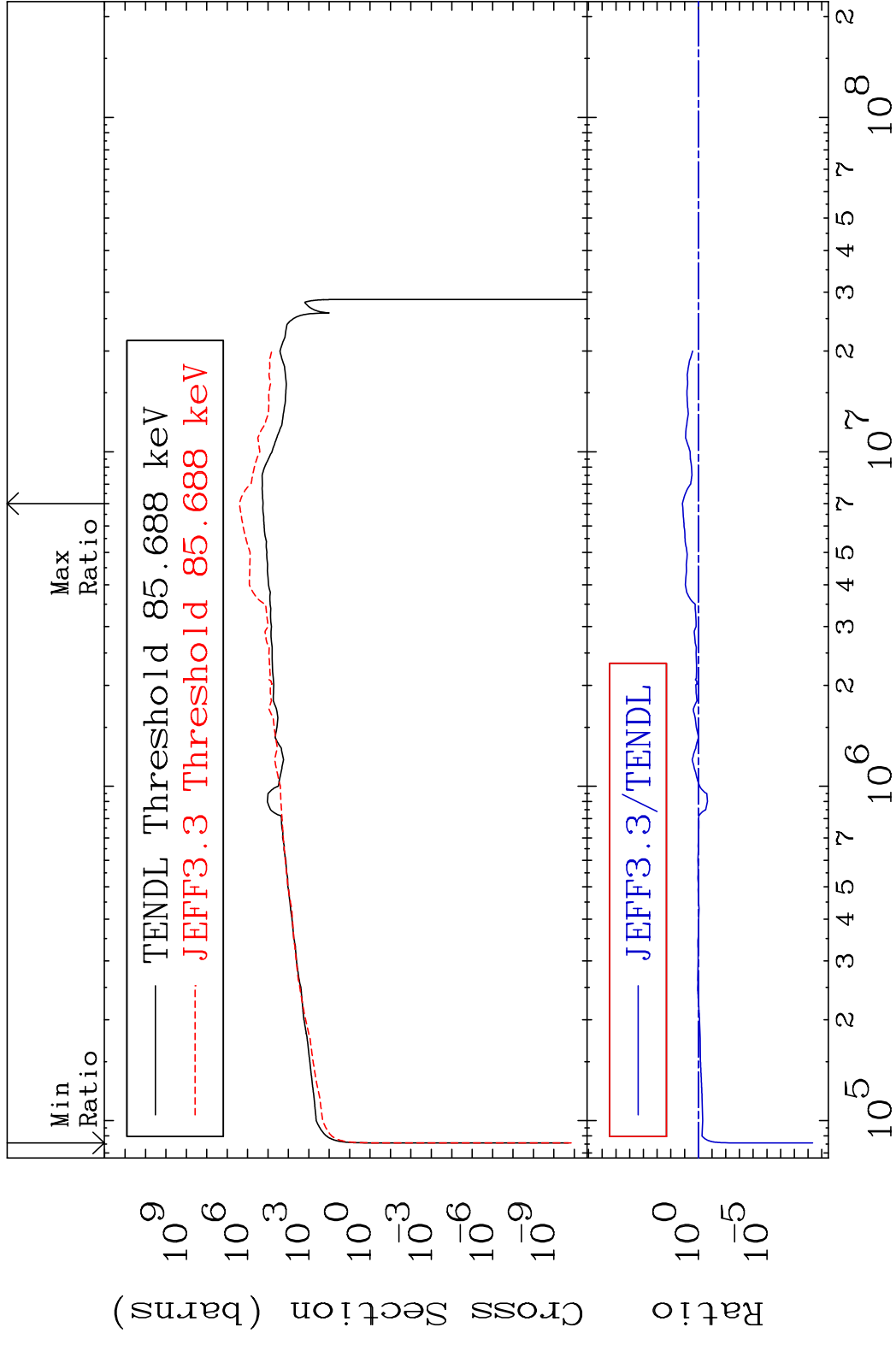
Kerma elastic Cross Section -99.99 To 9999. %  
61-Pm-151



MAT 6161 Kerma non-elastic (all but mt2) 61-Pm-151  
 Cross Section -99.99 To 6894. %

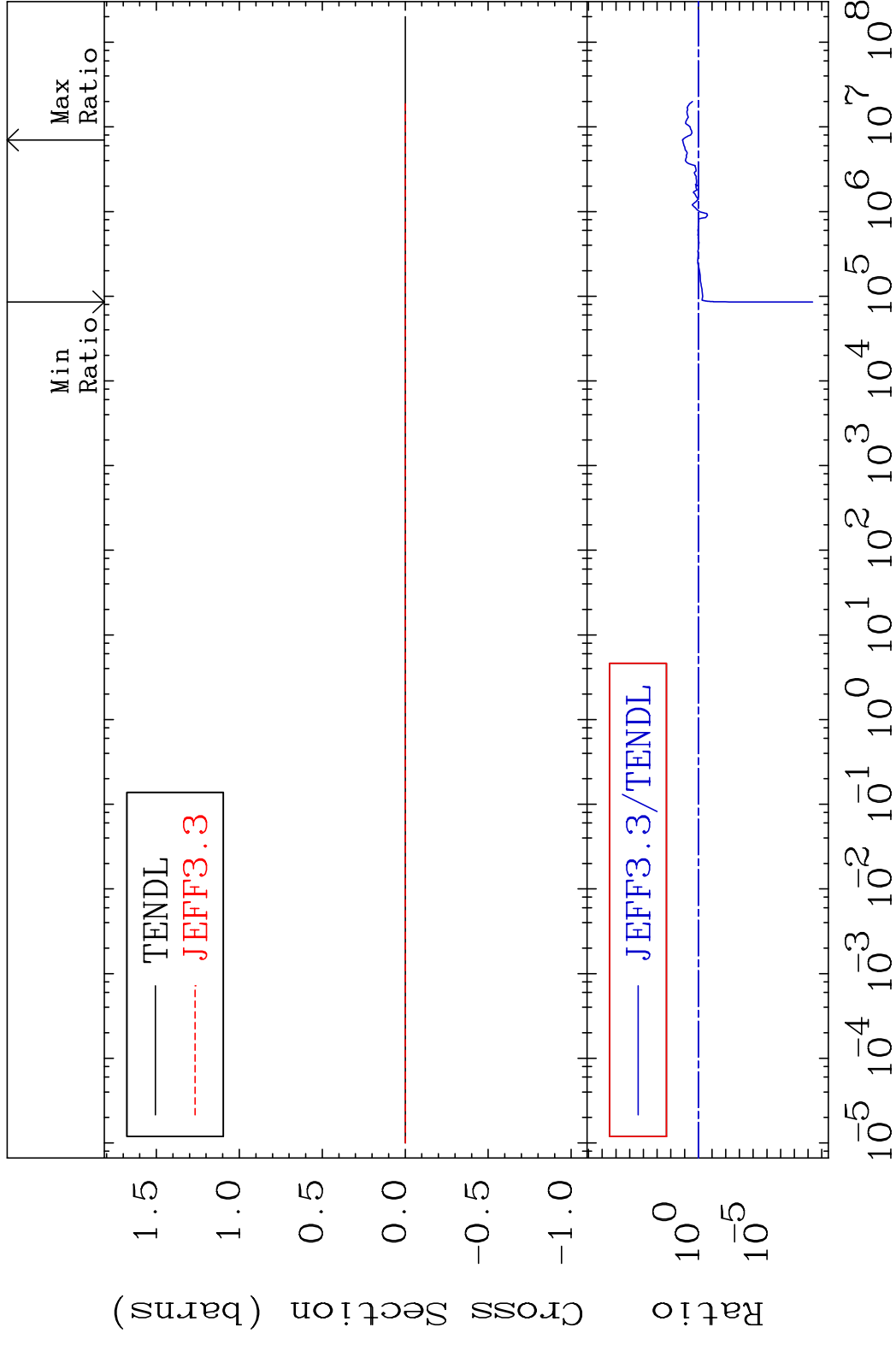


MAT 6161 Kerma inelastic (mt51-91) 61-Pm-151  
 Cross Section -100.0 To 1349. %



30 Incident Energy (eV) 61-Pm-151

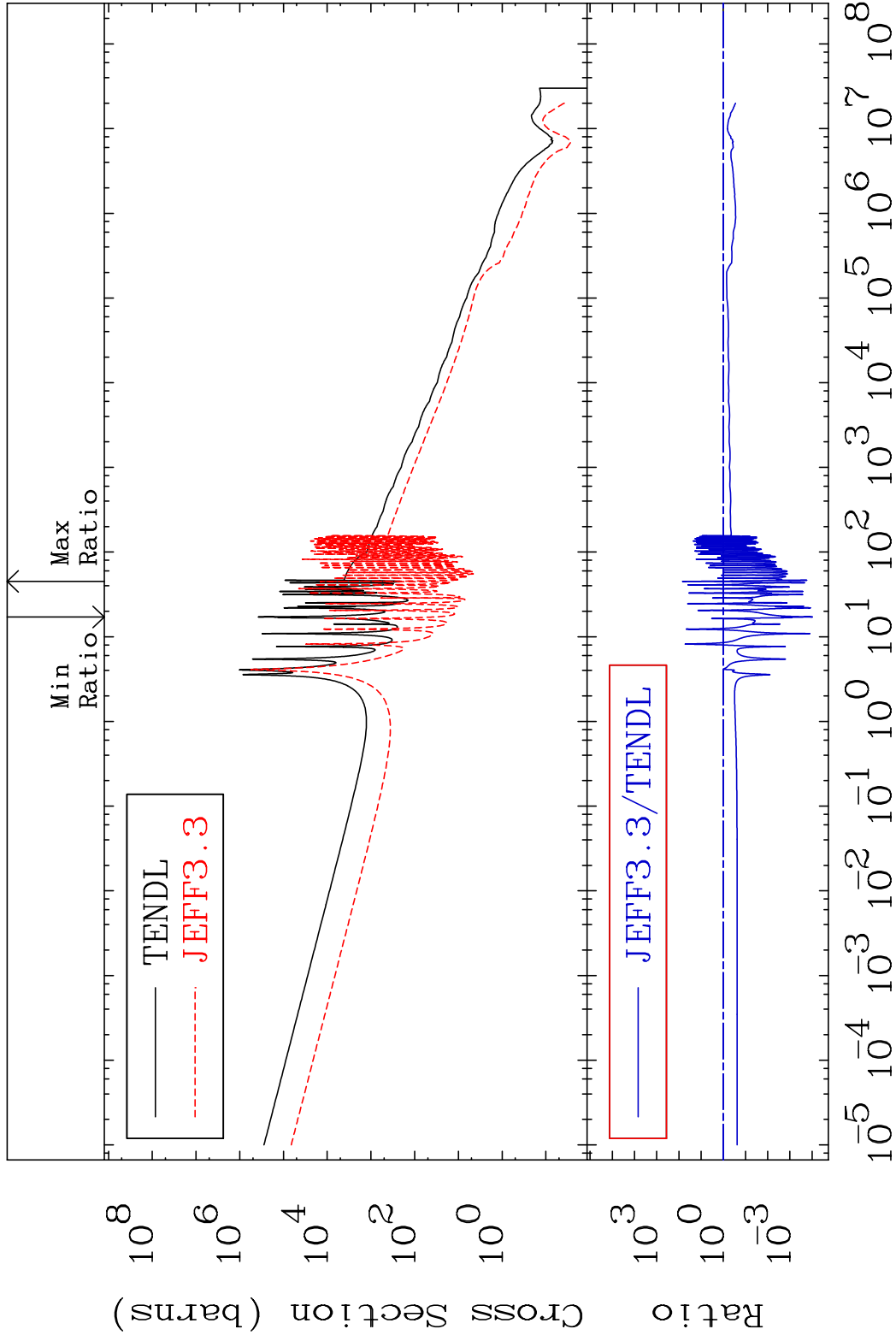
MAT 6161 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-151  
 Cross Section -100.0 To 1349. %





MAT 6161

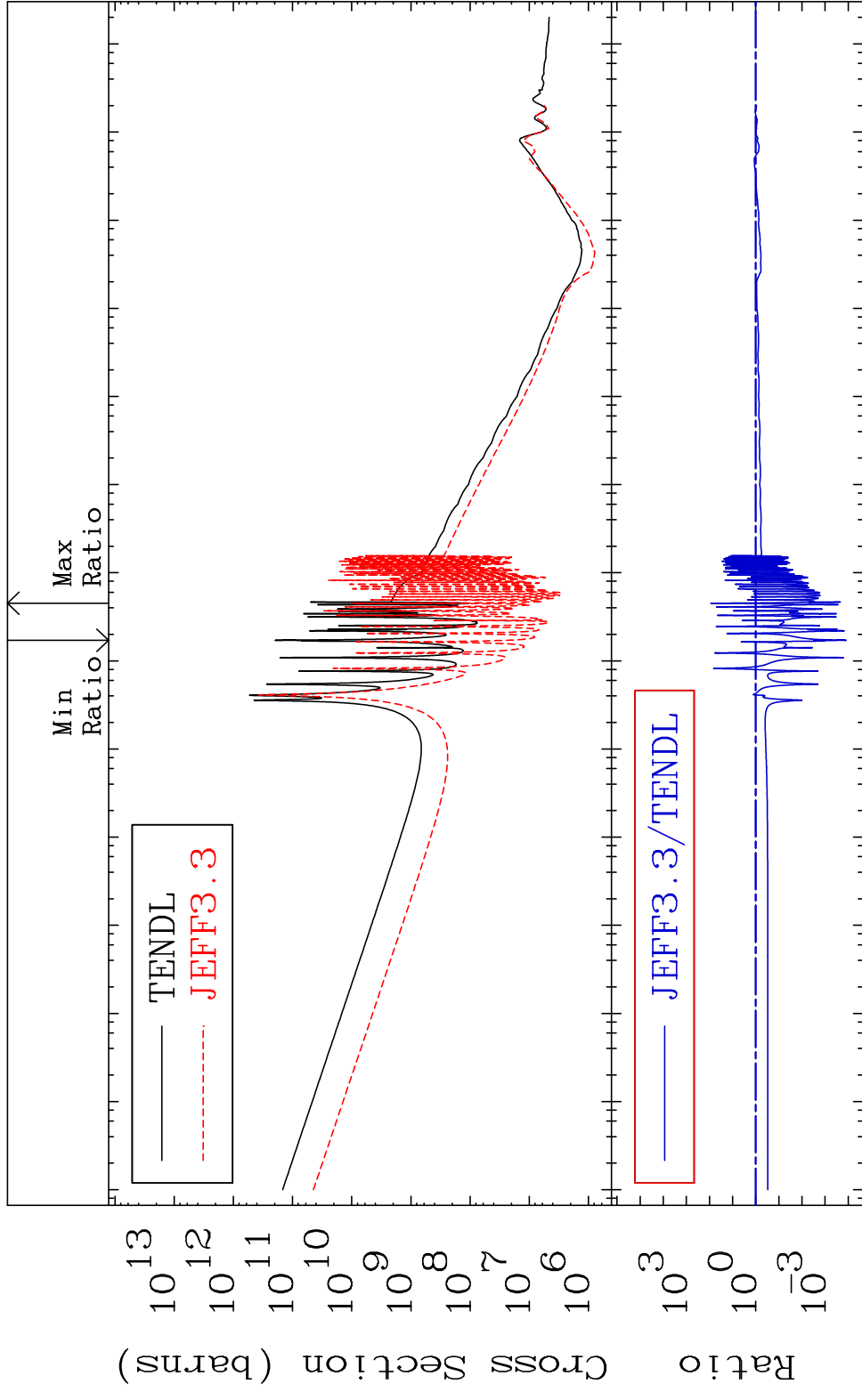
Kerma capture (mt102) 61-Pm-151  
Cross Section -99.99 To 6894. %



32

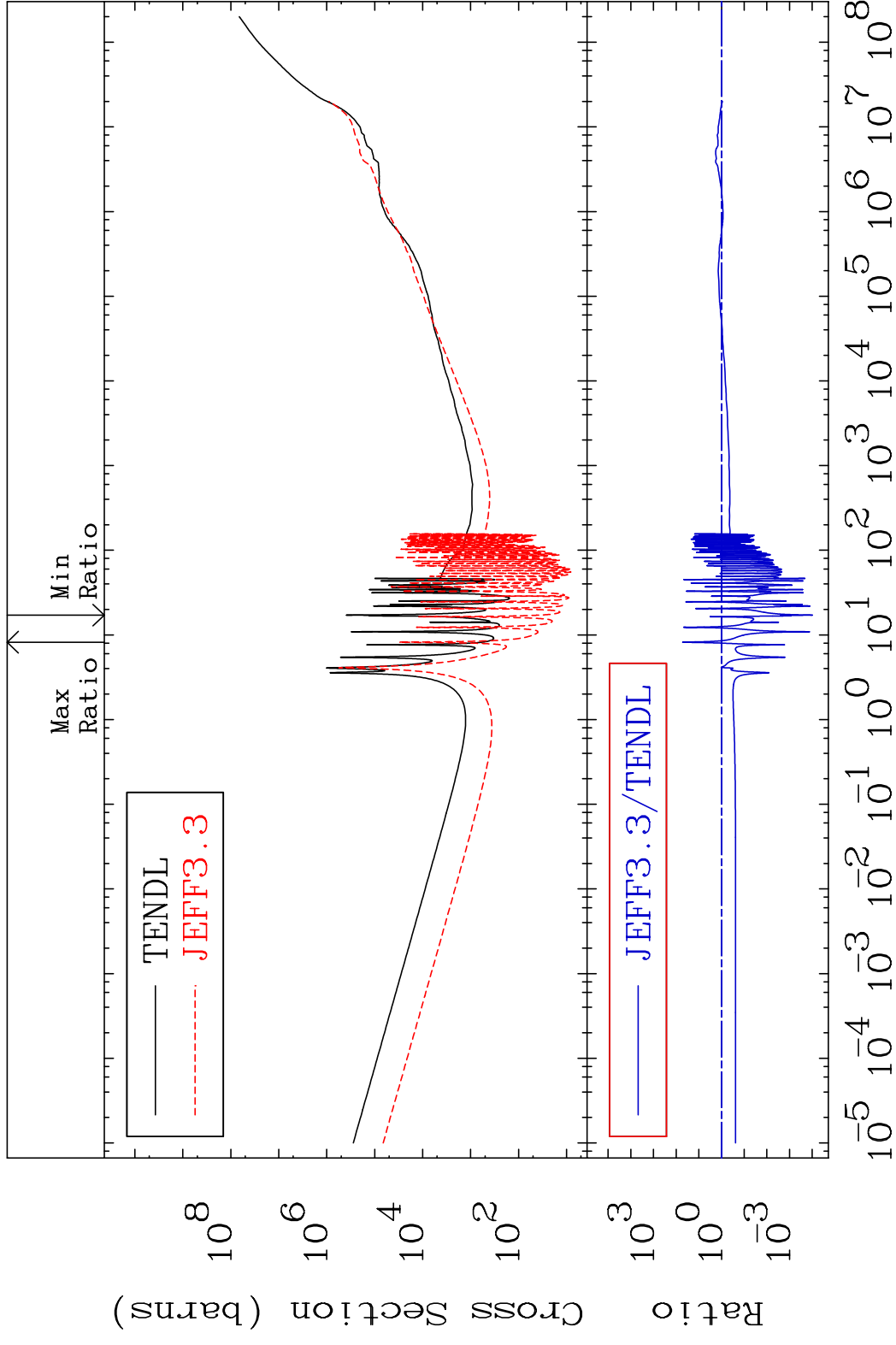
Incident Energy (eV) 61-Pm-151

MAT 6161 Total photon (eV-barns) 61-Pm-151  
 Cross Section -99.99 To 8740. %

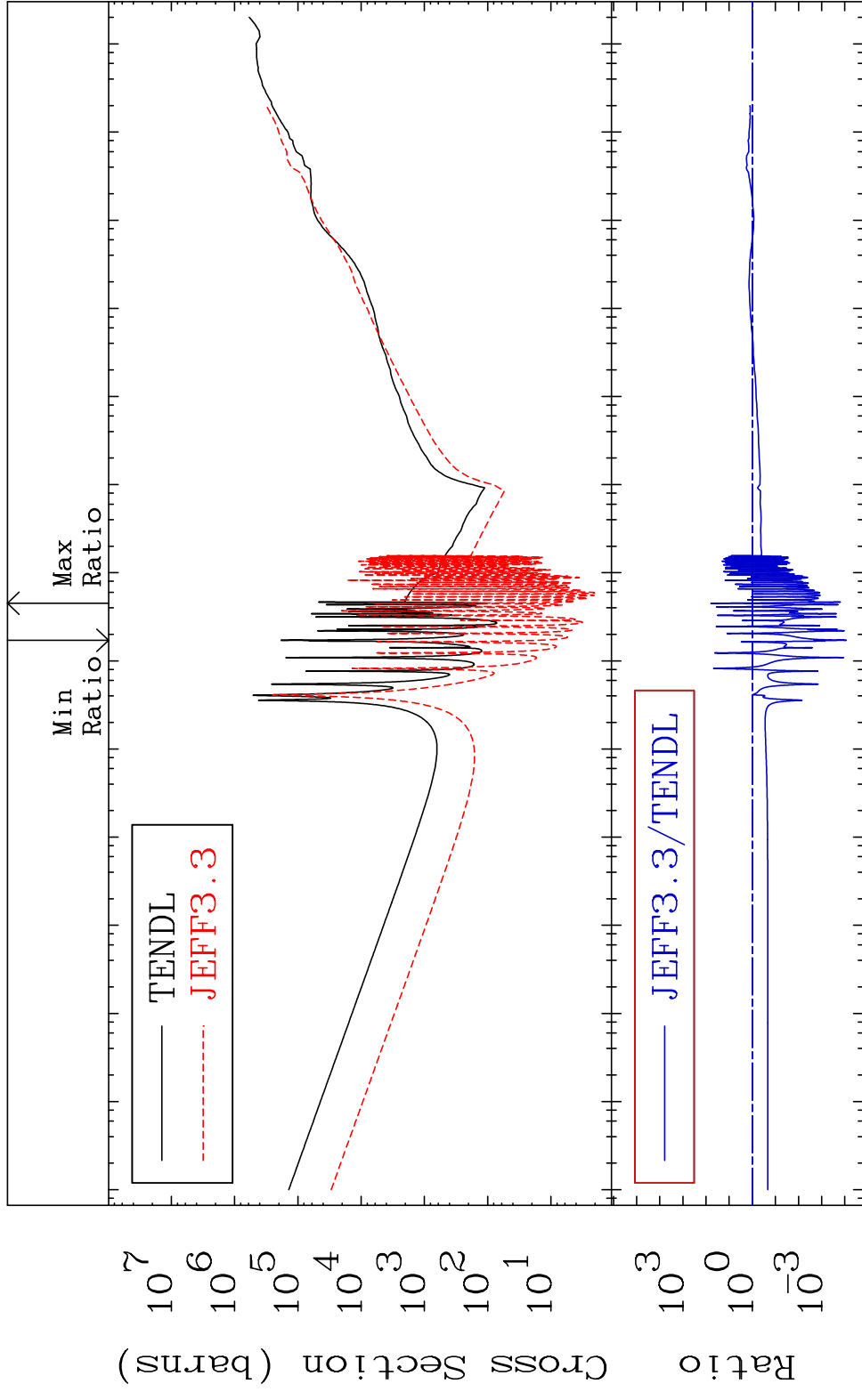


33 Incident Energy (eV) 61-Pm-151

MAT 6161 Total kinematic kerma (high limit) 61-Pm-151  
 Cross Section -99.99 To 5232. %



MAT 6161      Dpa total (eV-barns)      61-Pm-151  
 Cross Section      -99.99 To 6169. %

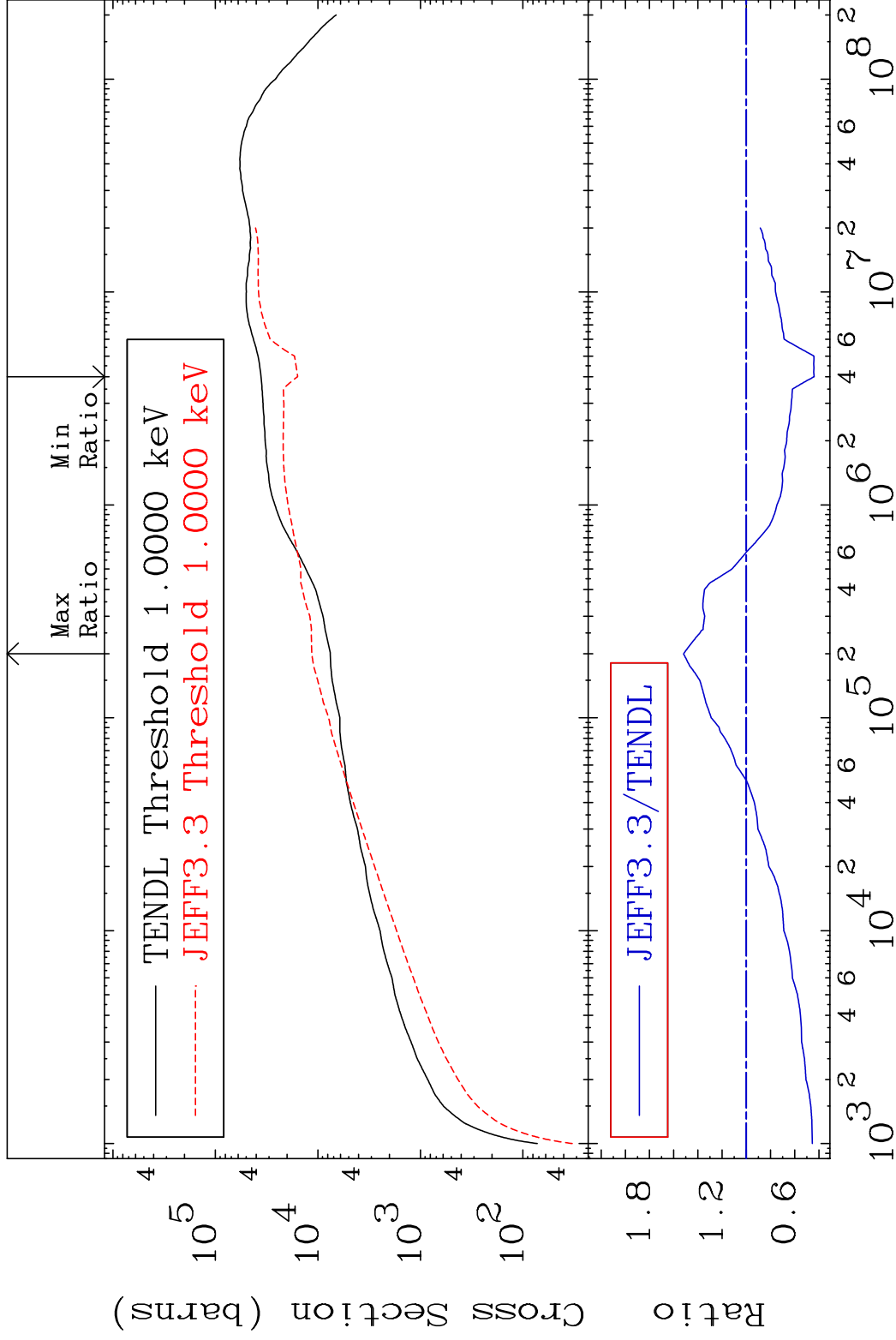


MAT 6161

Dpa elastic (mt2)

61-Pm-151

Cross Section -56.08 To 51.78 %

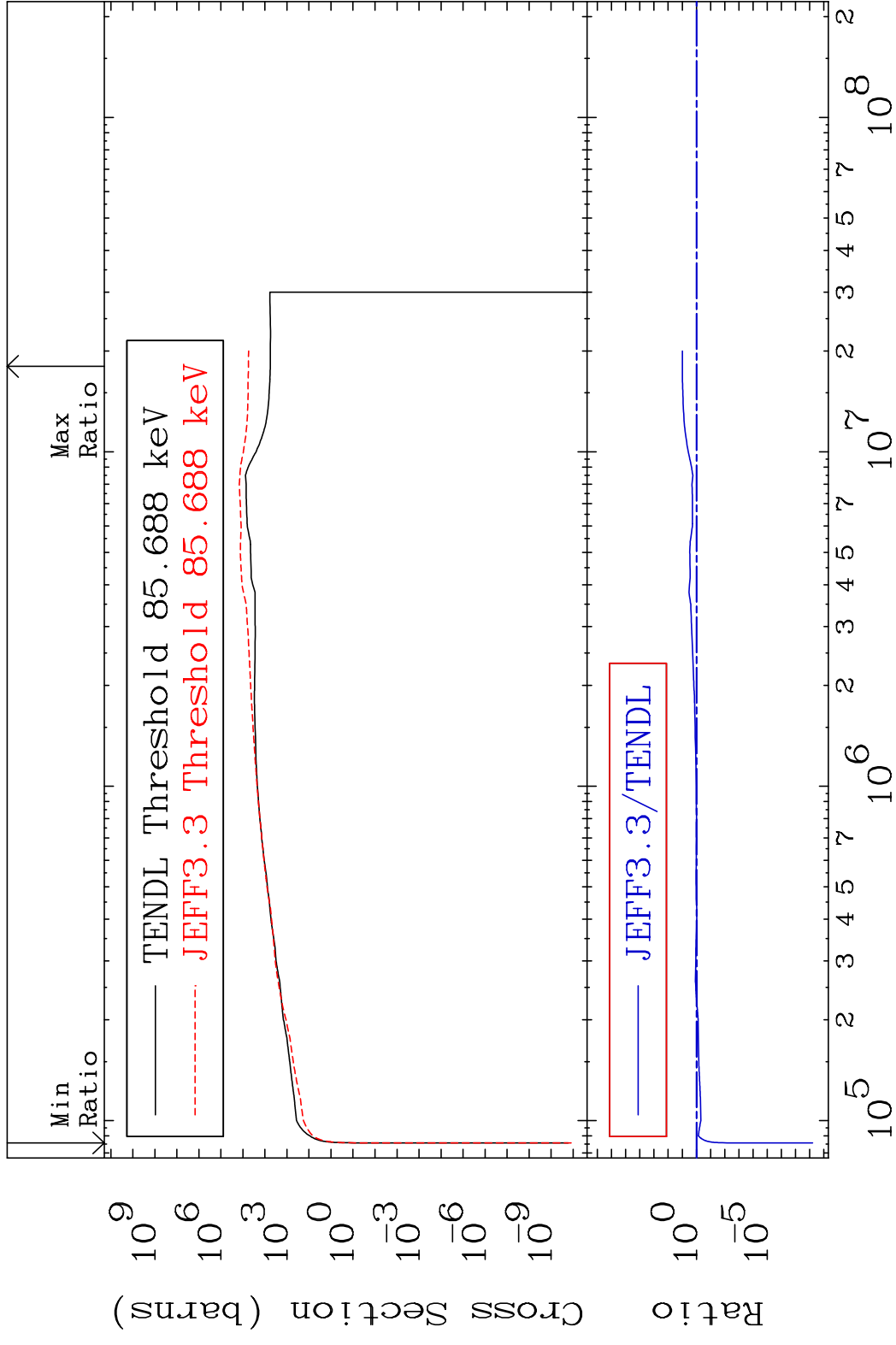


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Incident Energy (eV)

61-Pm-151

MAT 6161      Dpa inelastic (mt51-91)      61-Pm-151  
 Cross Section      -100.0 To 887.6 %



MAT 6161 Dpa disappearance (mt102 -120) 61-Pm-151  
 Cross Section -99.99 To 6169. %

