

Program Complot  
(Version 2021-1)

by

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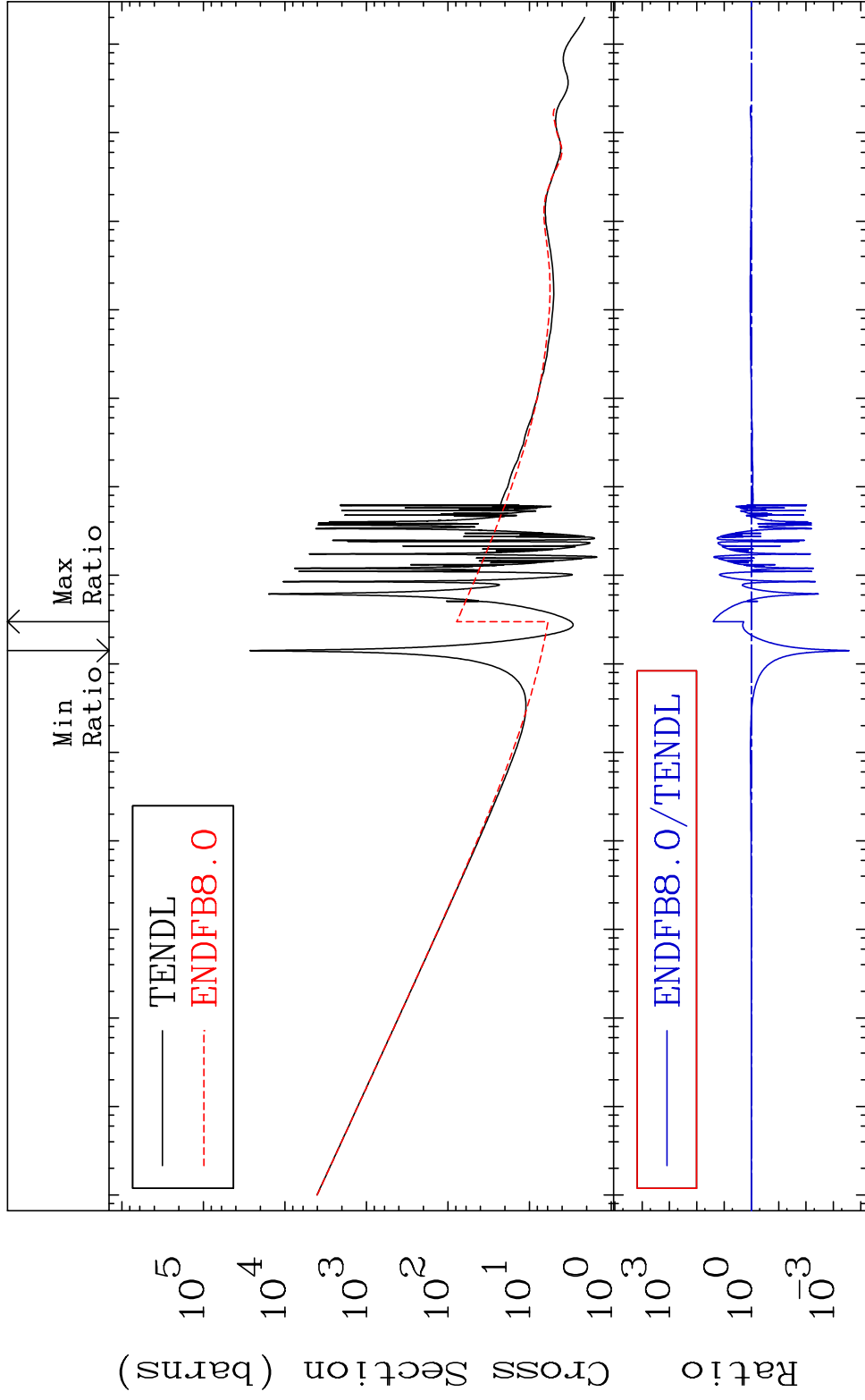
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Press Mouse Button to Start

MAT 5337

Total Cross Section 53-I -131  
-99.97 To 2402. %



1

Incident Energy (eV)

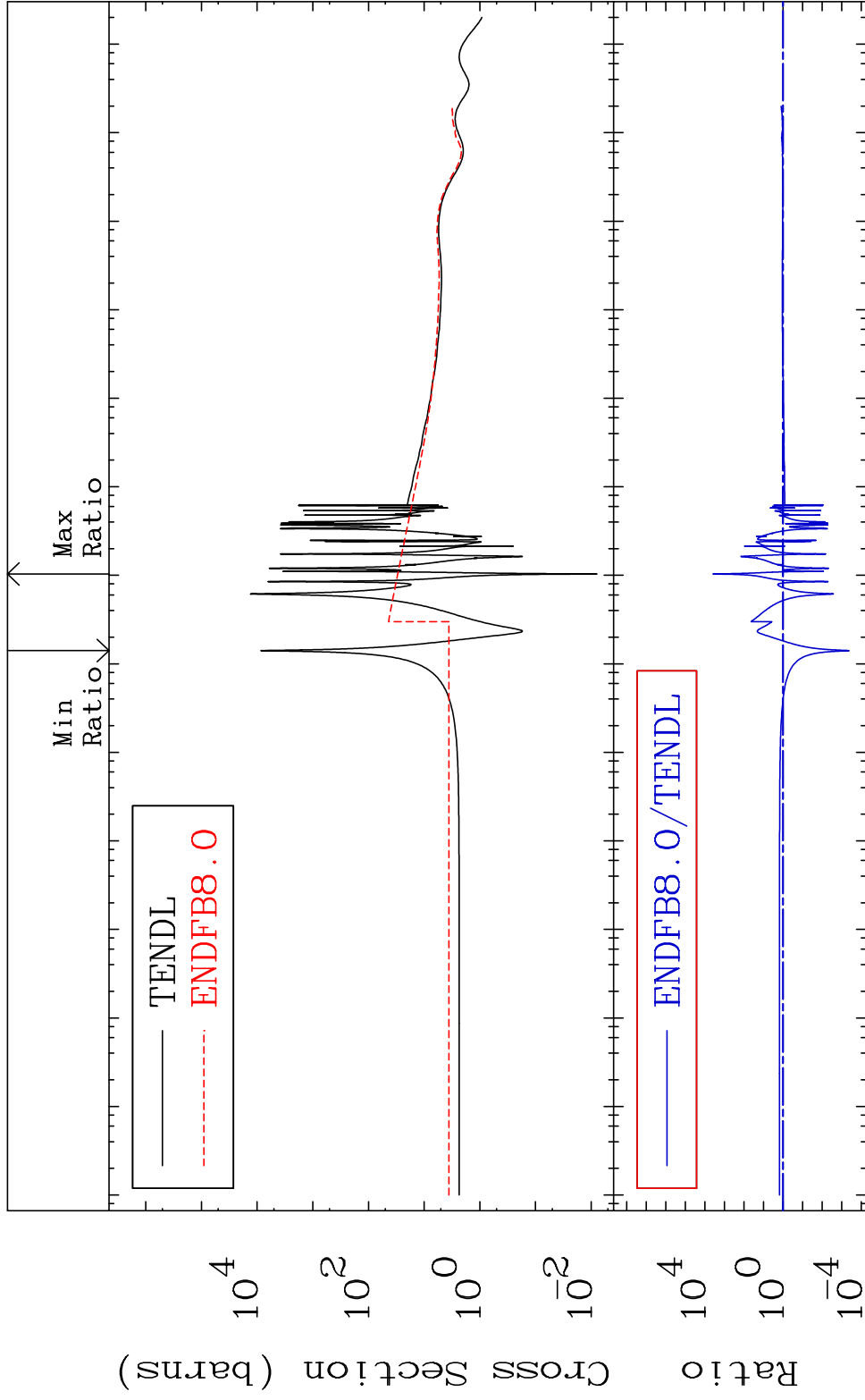
53-I -131

MAT 5337

Elastic

53-I -131

Cross Section -99.96 To 9999. %



10<sup>4</sup>  
10<sup>2</sup>  
10<sup>0</sup>  
10<sup>-2</sup>  
10<sup>4</sup>  
10<sup>0</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>

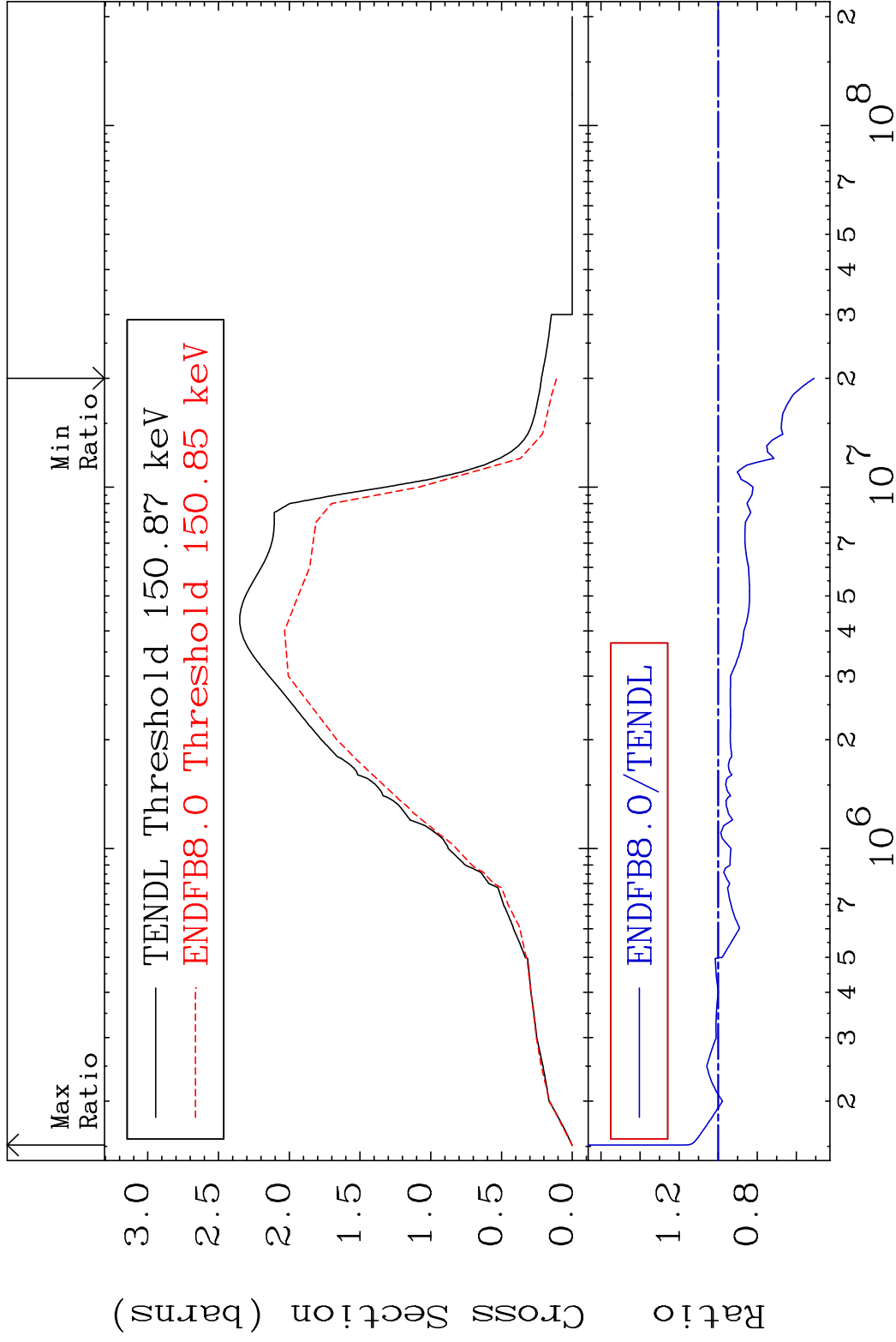
2 Incident Energy (eV) 53-I -131

MAT 5337

Inelastic

53-I -131

Cross Section -49.13 To 17.65 %



3

Incident Energy (eV)

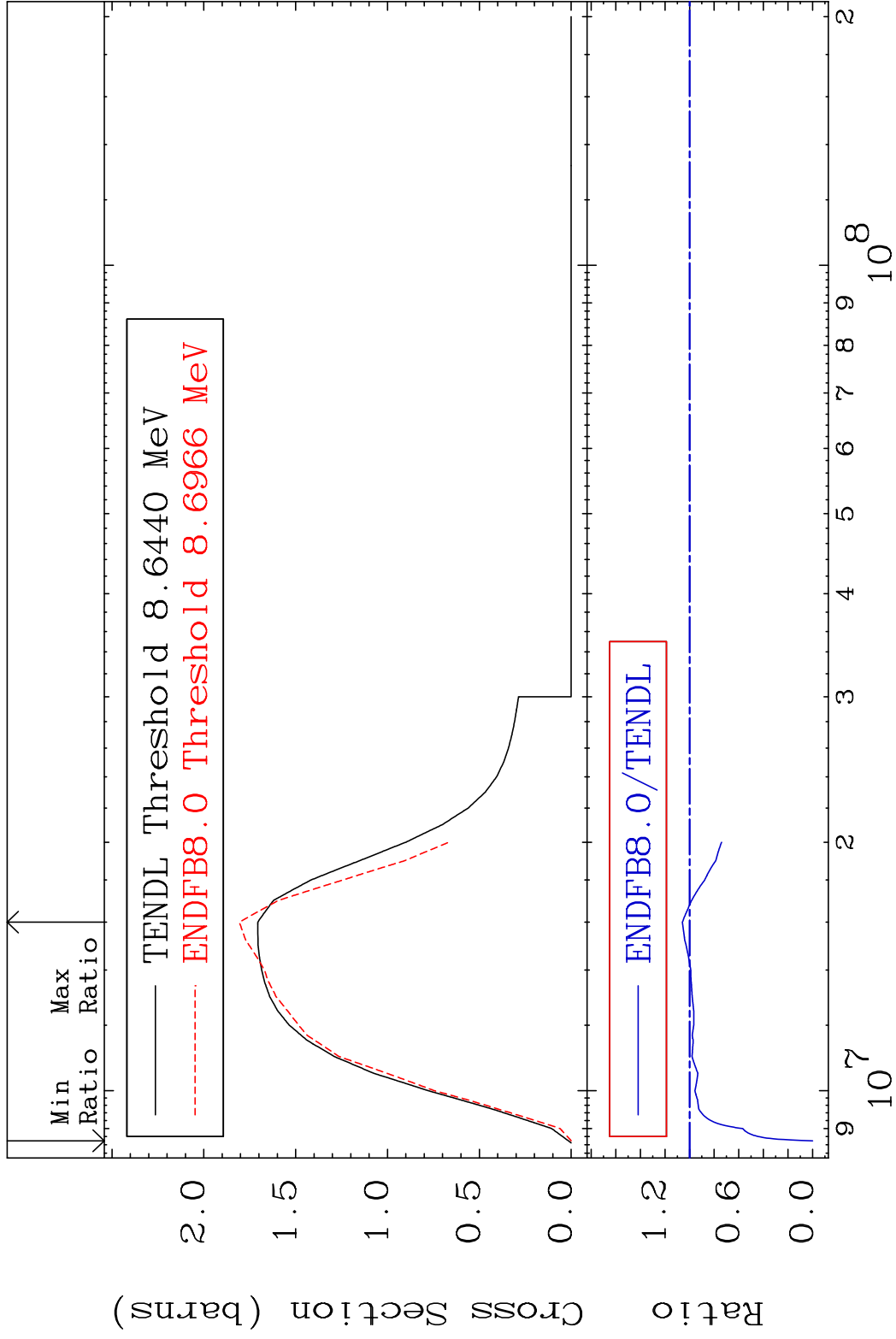
53-I -131

MAT 5337

(n,2n)

53-I -131

Cross Section -100.0 To 5.873 %



4

Incident Energy (eV)

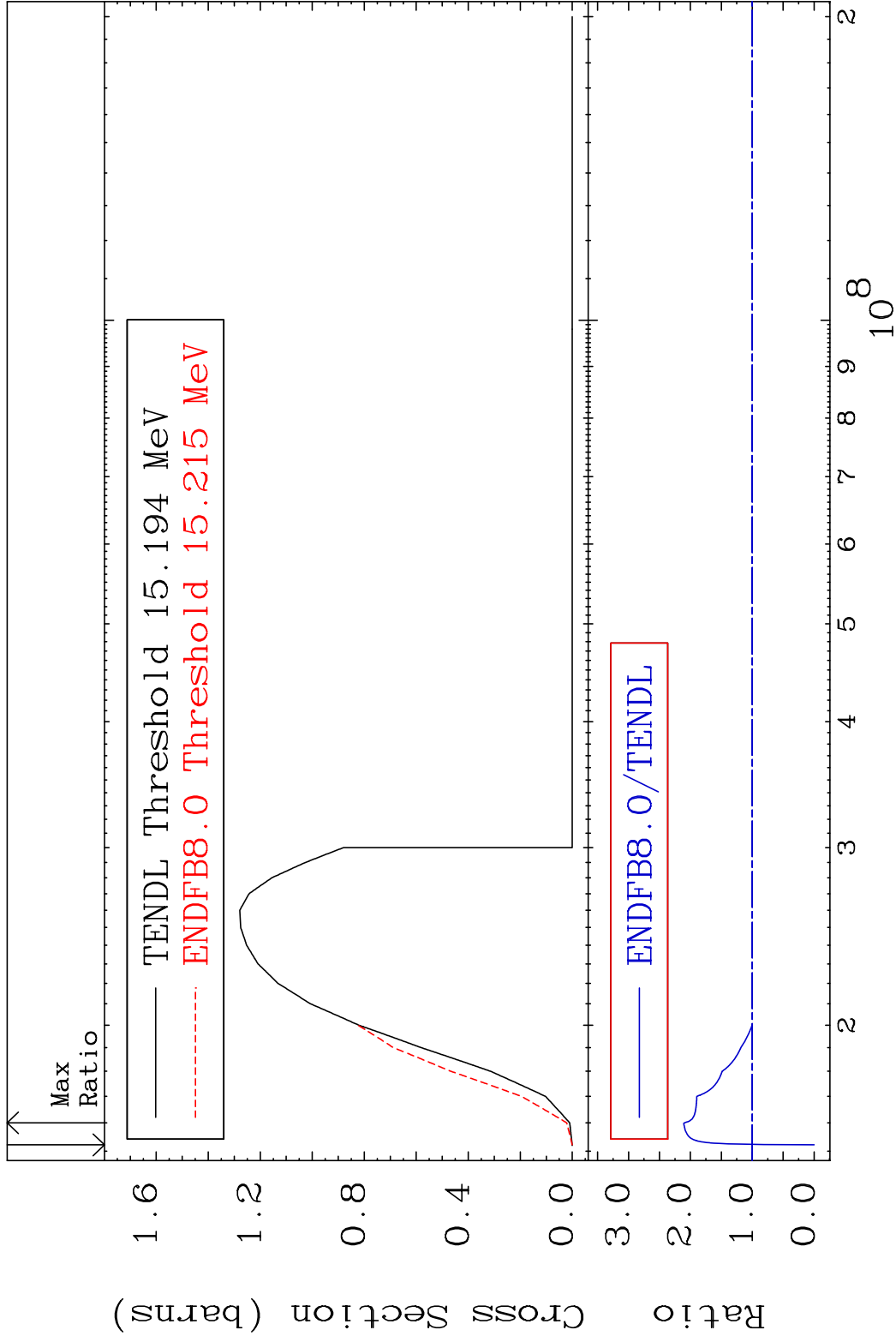
53-I -131

MAT 5337

(n,3n)

53-I -131

Cross Section -100.0 To 110.9 %



5

Incident Energy (eV)

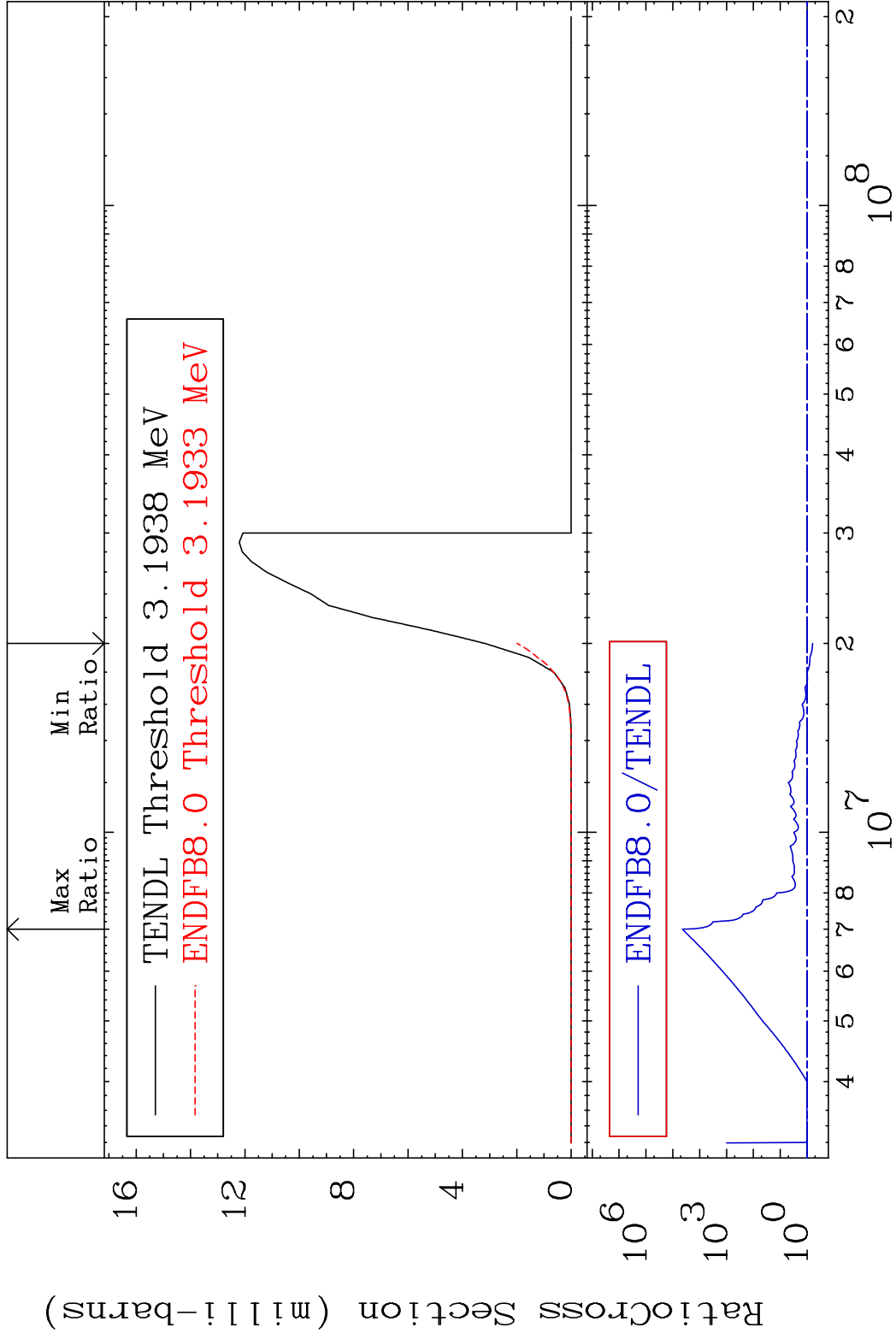
53-I -131

MAT 5337

(n, n')  $\alpha$

53-I -131

Cross Section -37.22 To 9999. %



6

Incident Energy (eV)

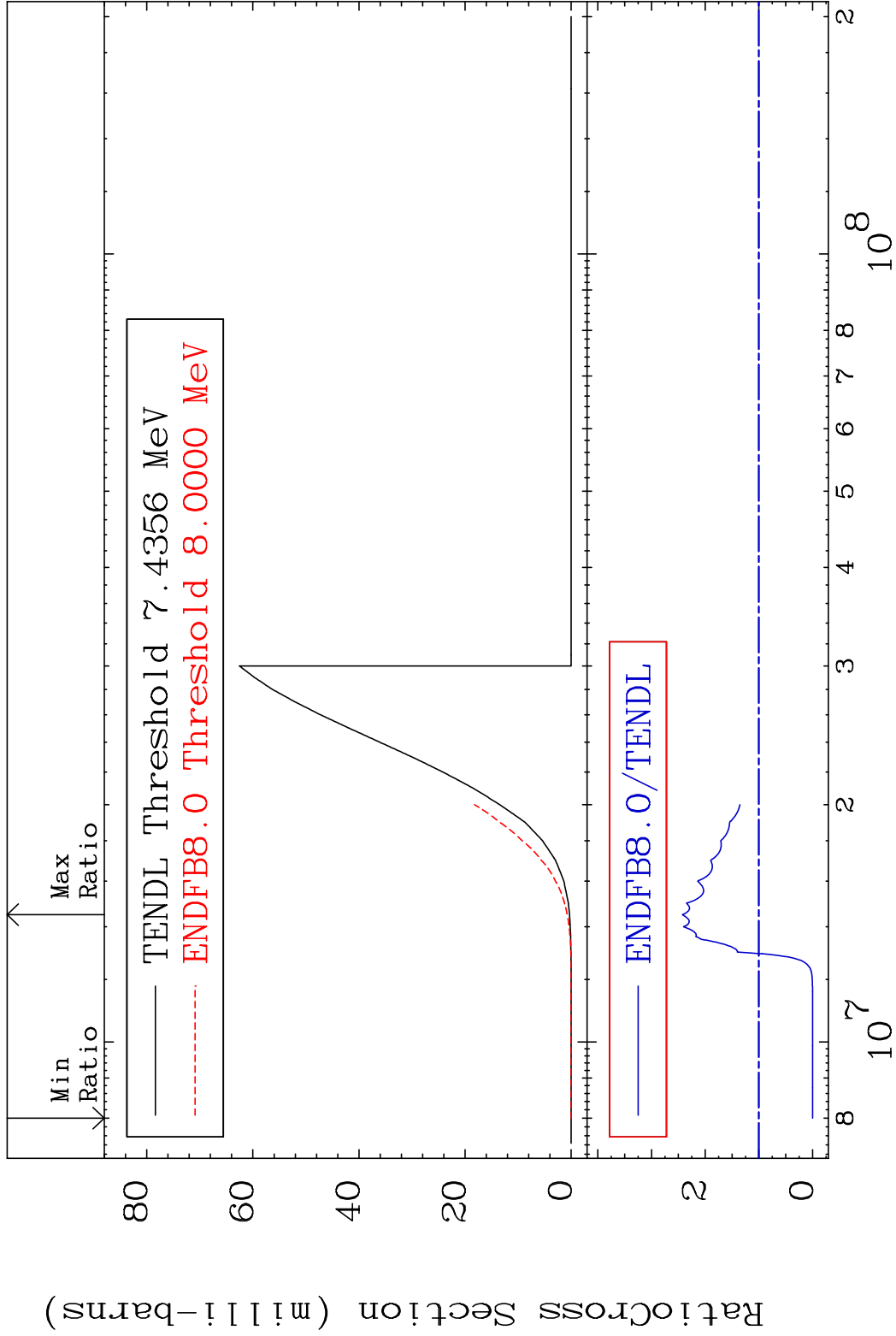
53-I -131

MAT 5337

(n, n') p

53-I -131

Cross Section -100.0 To 142.6 %



7

Incident Energy (eV)

53-I -131

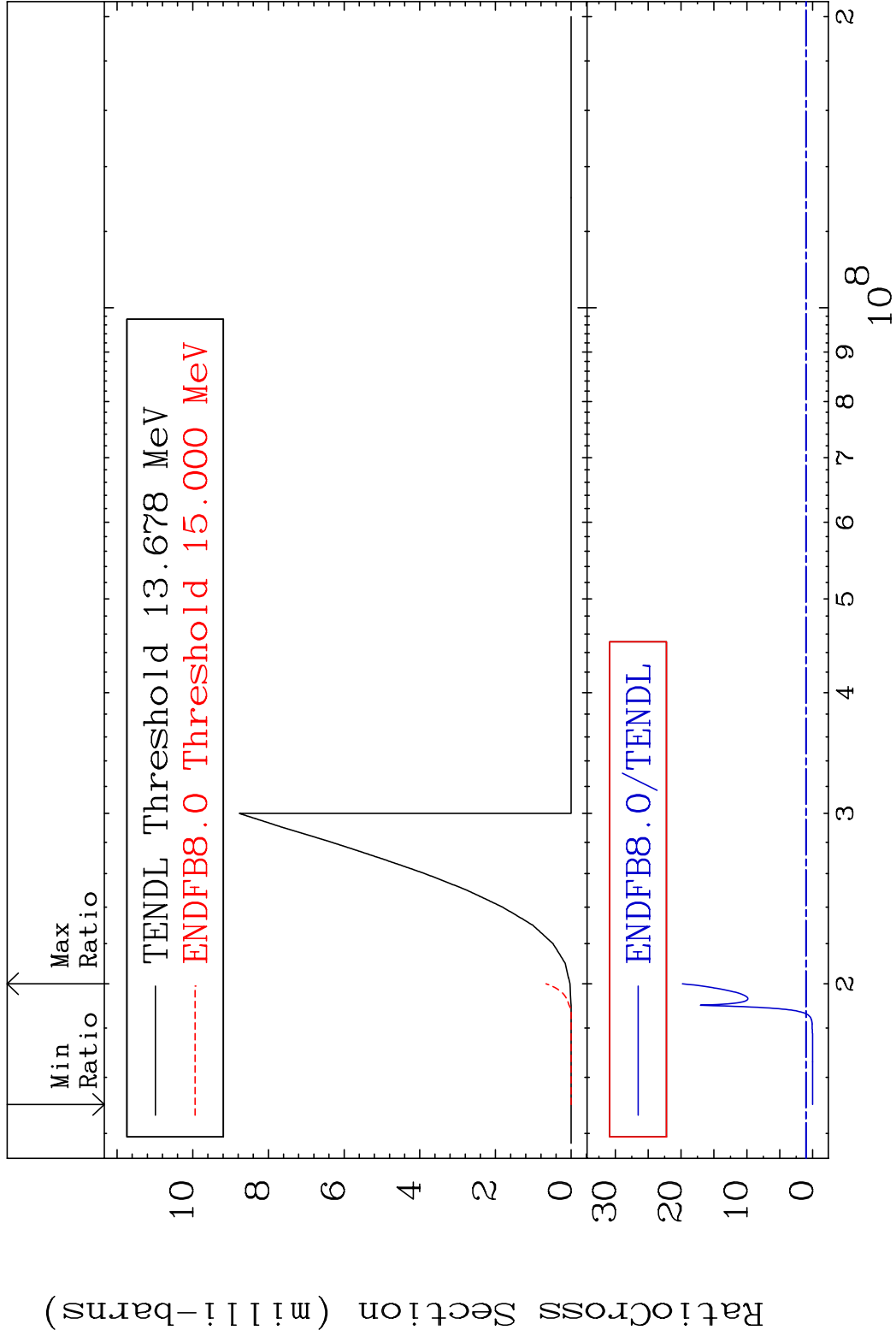


MAT 5337

(n, n') d

53-I -131

Cross Section -100.0 To 1881. %

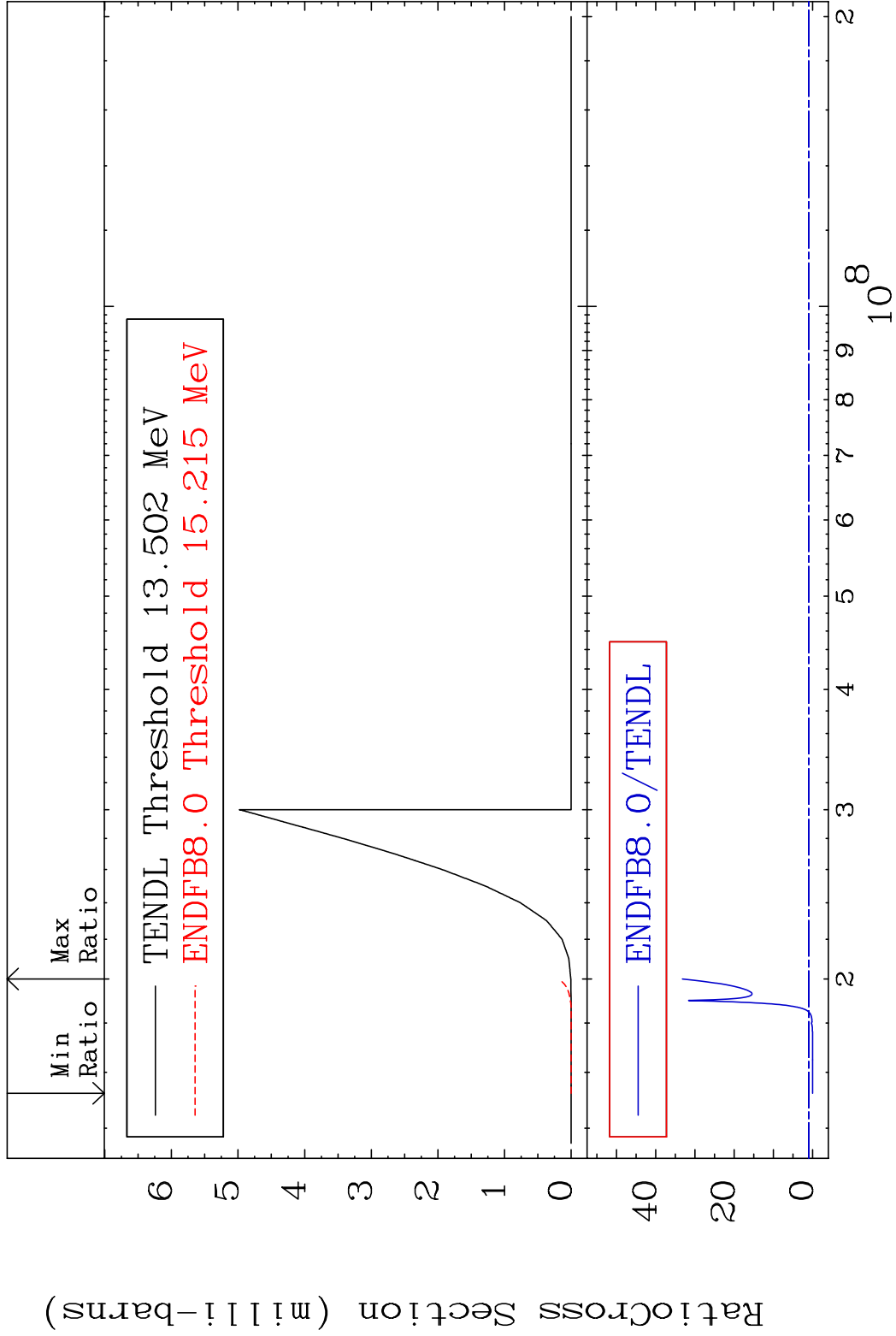


MAT 5337

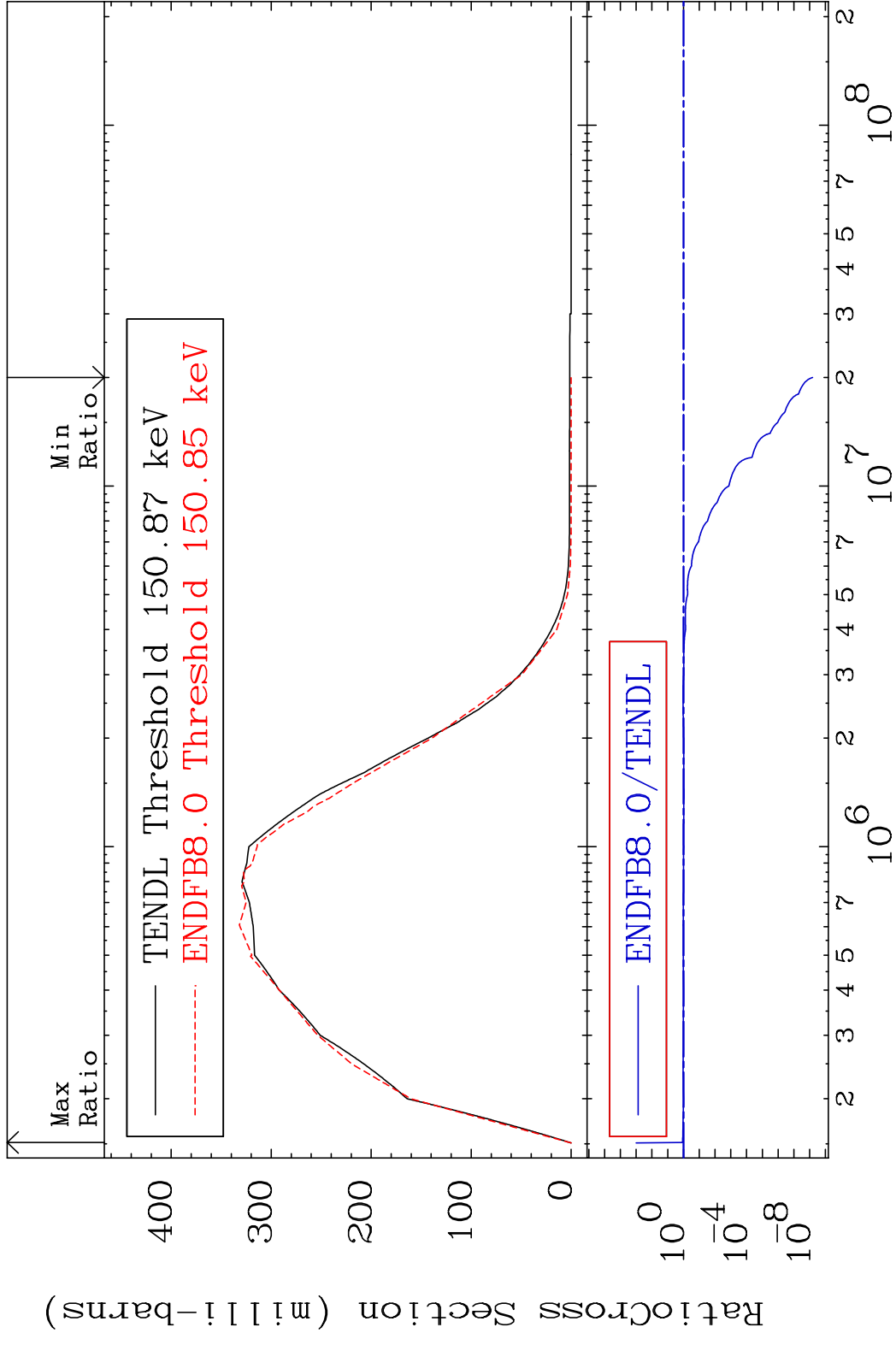
(n, n') t

53-I -131

Cross Section -100.0 To 3219. %

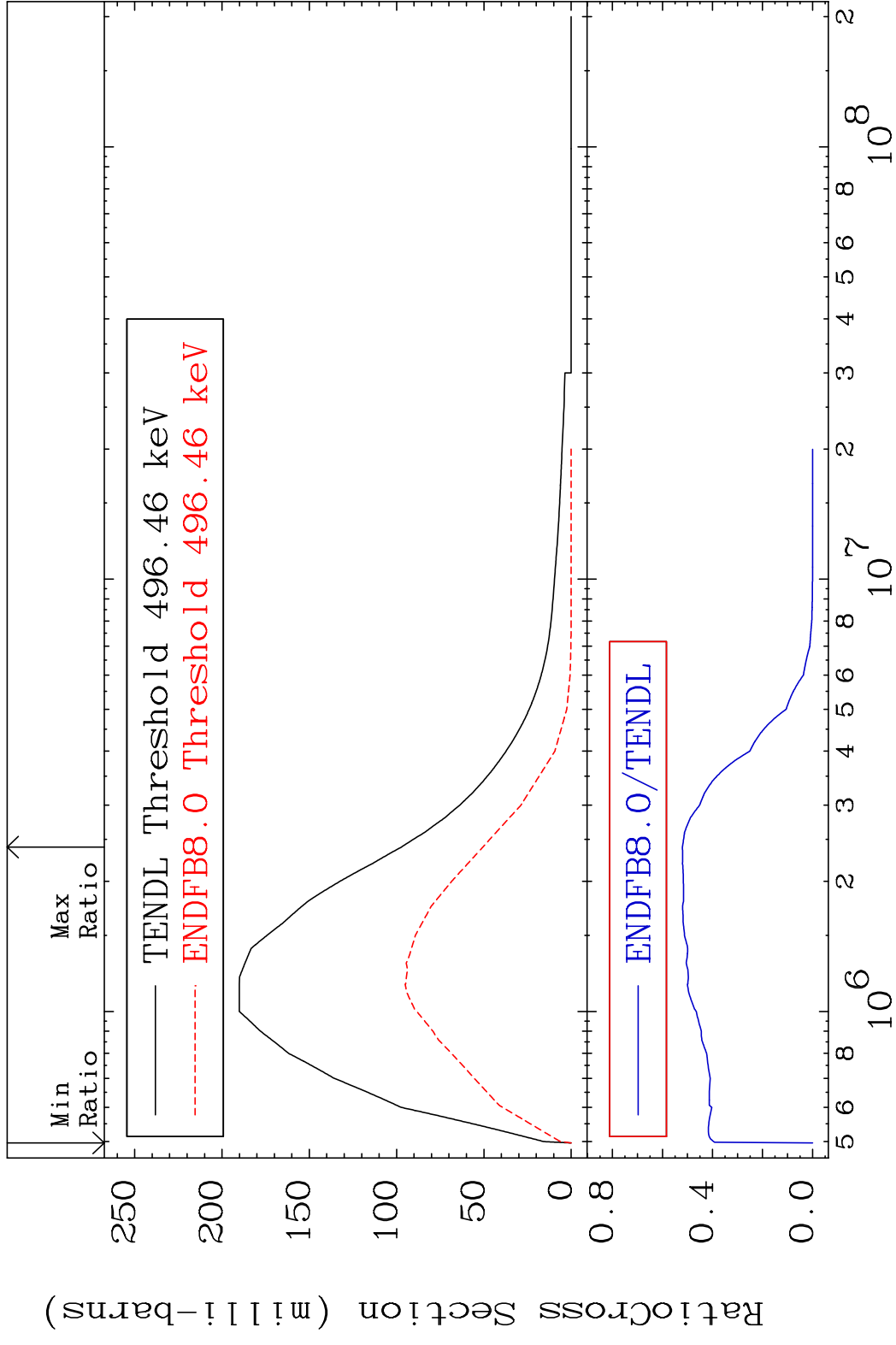


MAT 5337 MT= 51 (n,n') Level 53-I -131  
 Cross Section -100.0 To 17.65 %

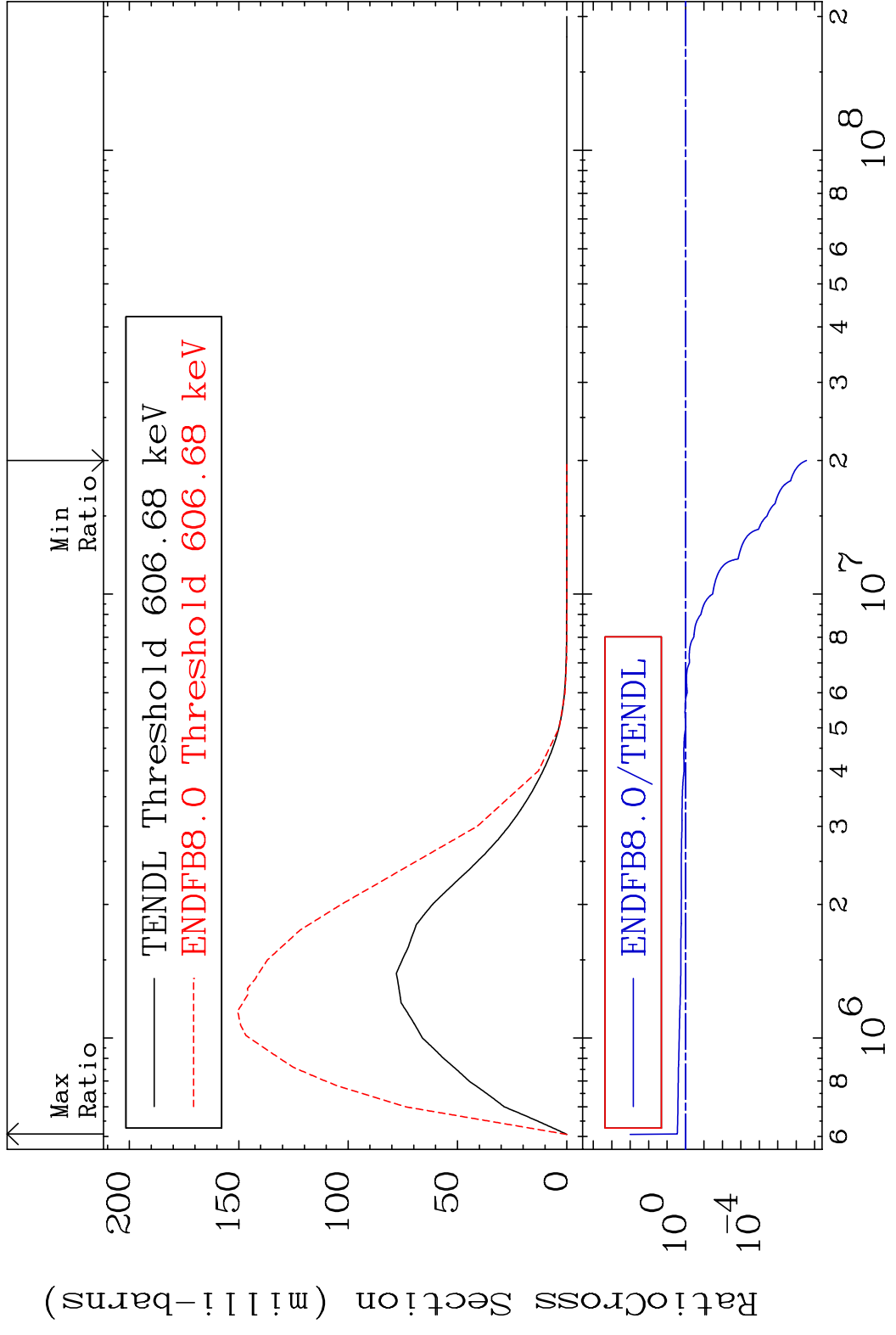


10 Incident Energy (eV) 53-I -131

MAT 5337 MT= 52 (n,n') Level 53-I -131  
 Cross Section -100.0 To -47.94%

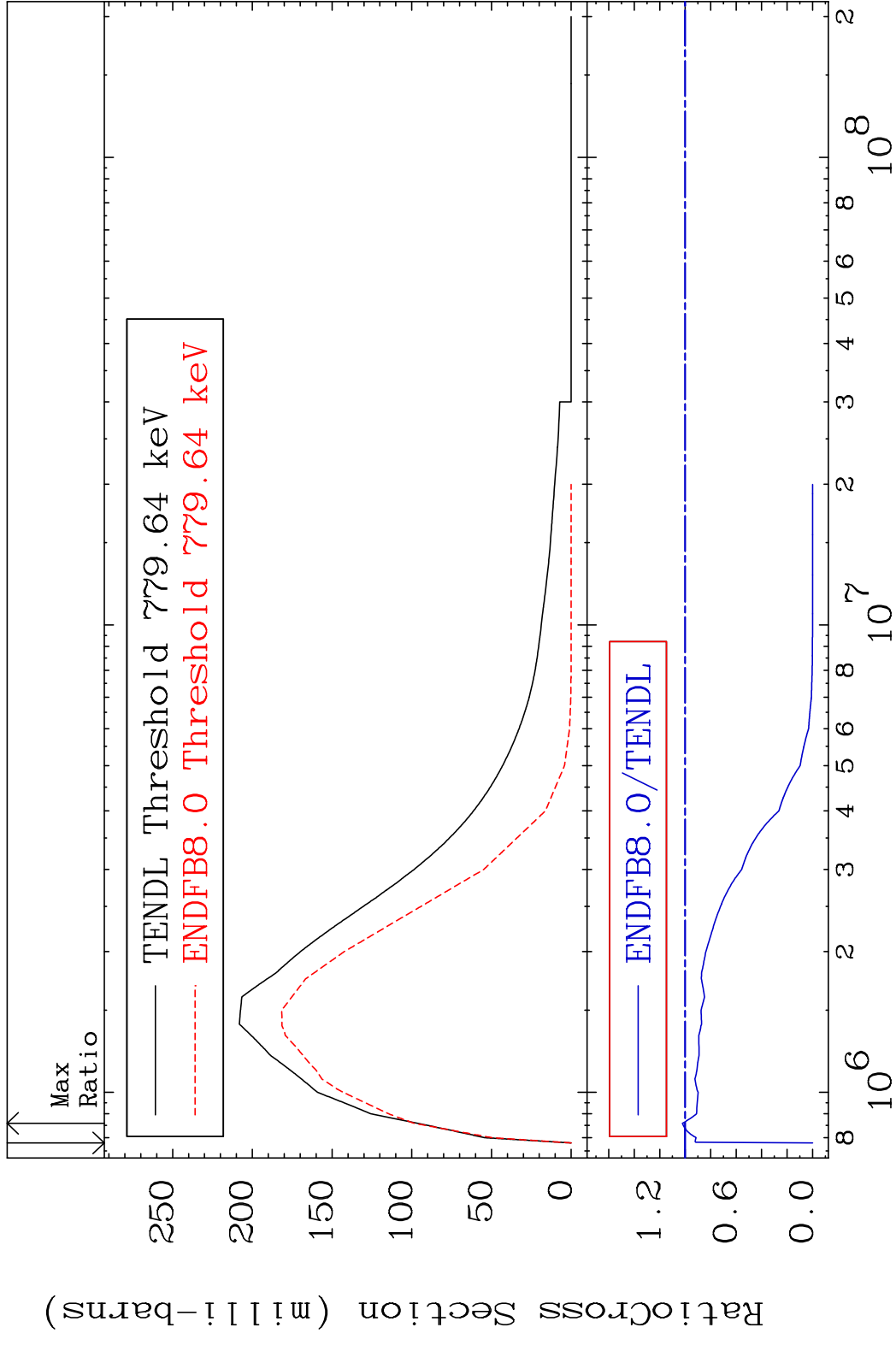


MAT 5337 MT= 53 (n, n') Level 53-I -131  
 Cross Section -100.0 To 184.0 %

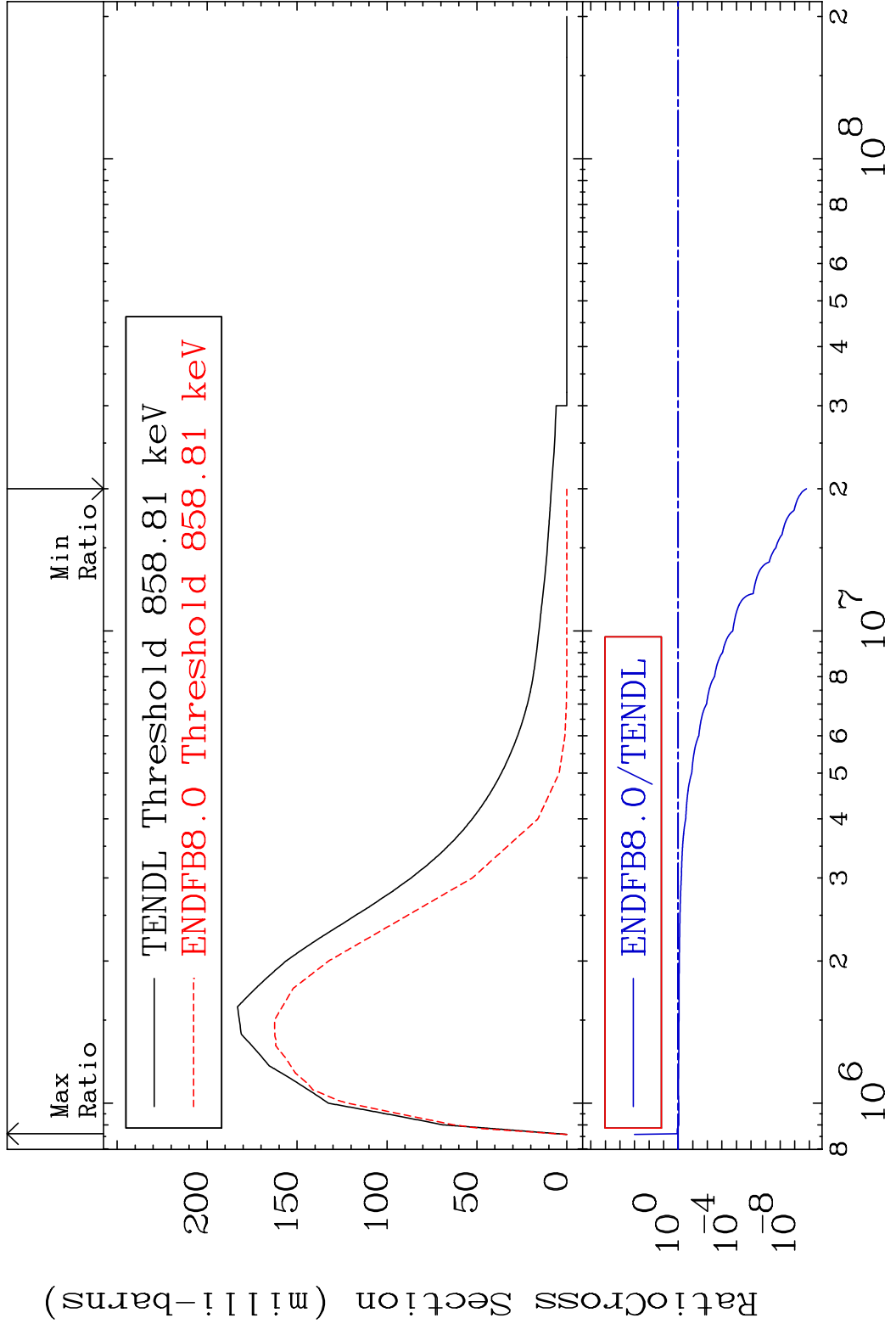


12 Incident Energy (eV) 53-I -131

MAT 5337 MT= 54 (n,n') Level 53-I -131  
 Cross Section -100.0 To 2.236 %

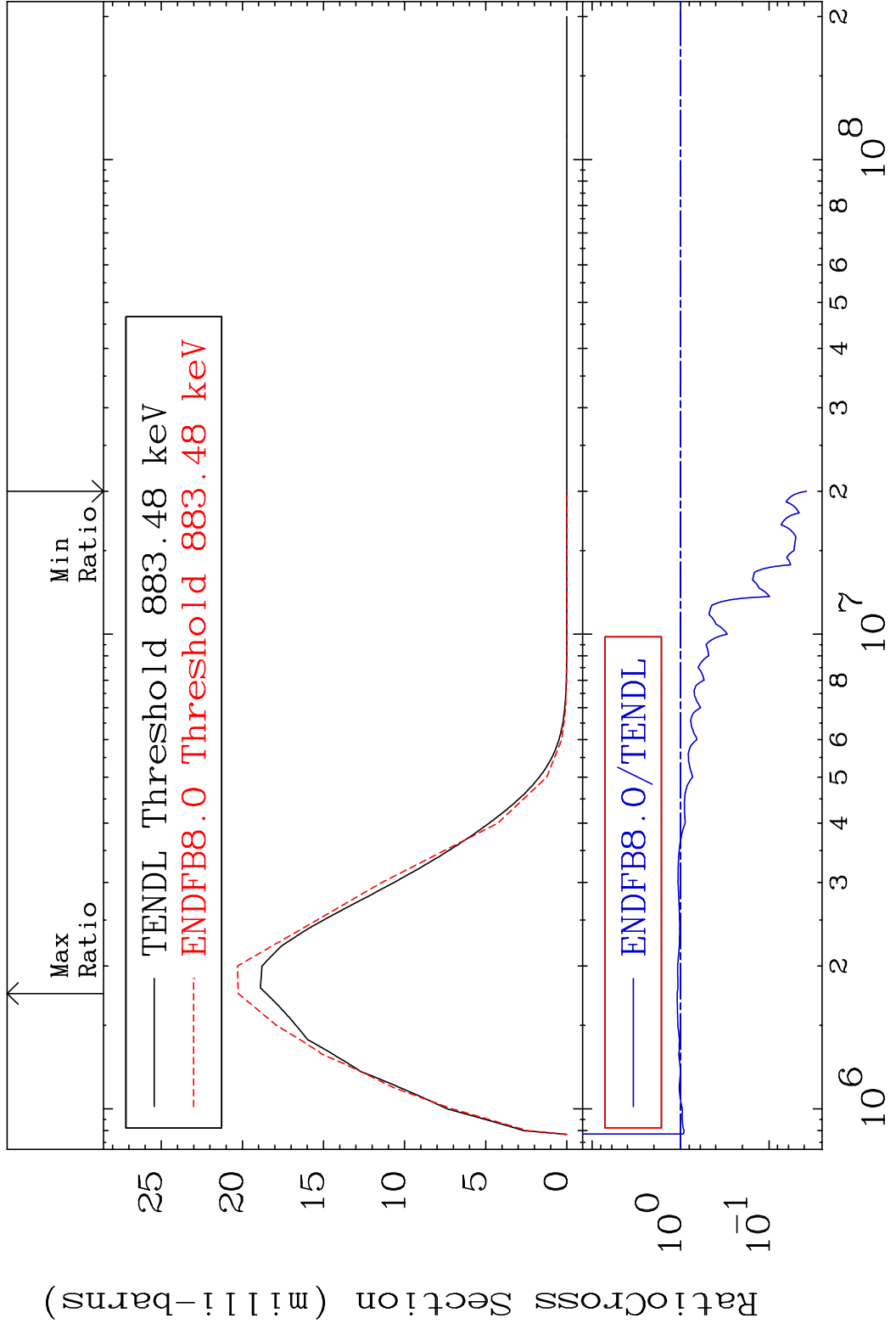


MAT 5337 MT= 55 (n, n') Level 53-I -131  
 Cross Section -100.0 To 17.41 %



14 Incident Energy (eV) 53-I -131

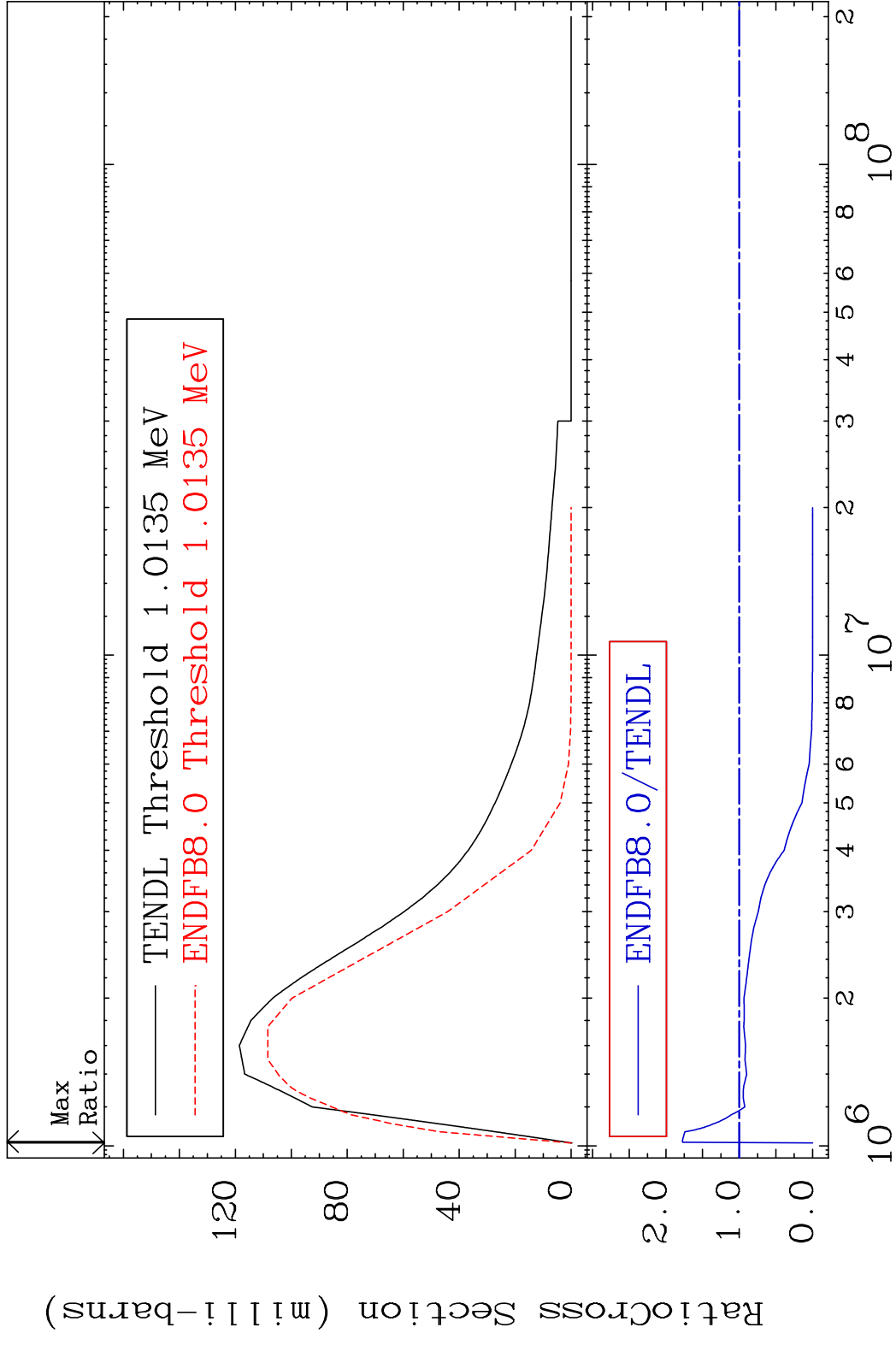
MAT 5337 MT= 56 (n,n') Level 53-I -131  
 Cross Section -96.22 To 9.344 %



15 Incident Energy (eV) 53-I -131

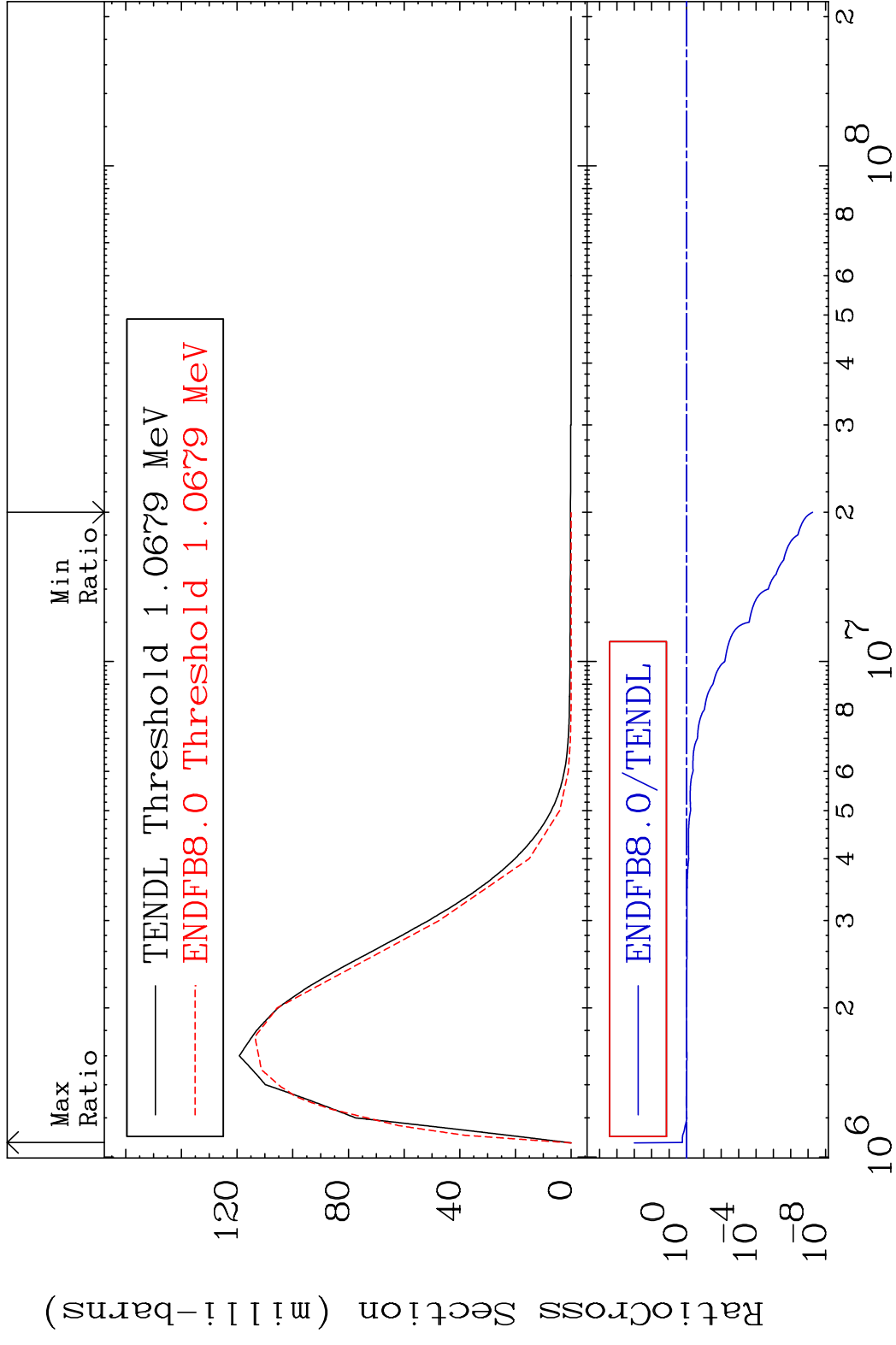


MAT 5337 MT= 57 (n,n') Level 53-I -131  
 Cross Section -100.0 To 77.55 %



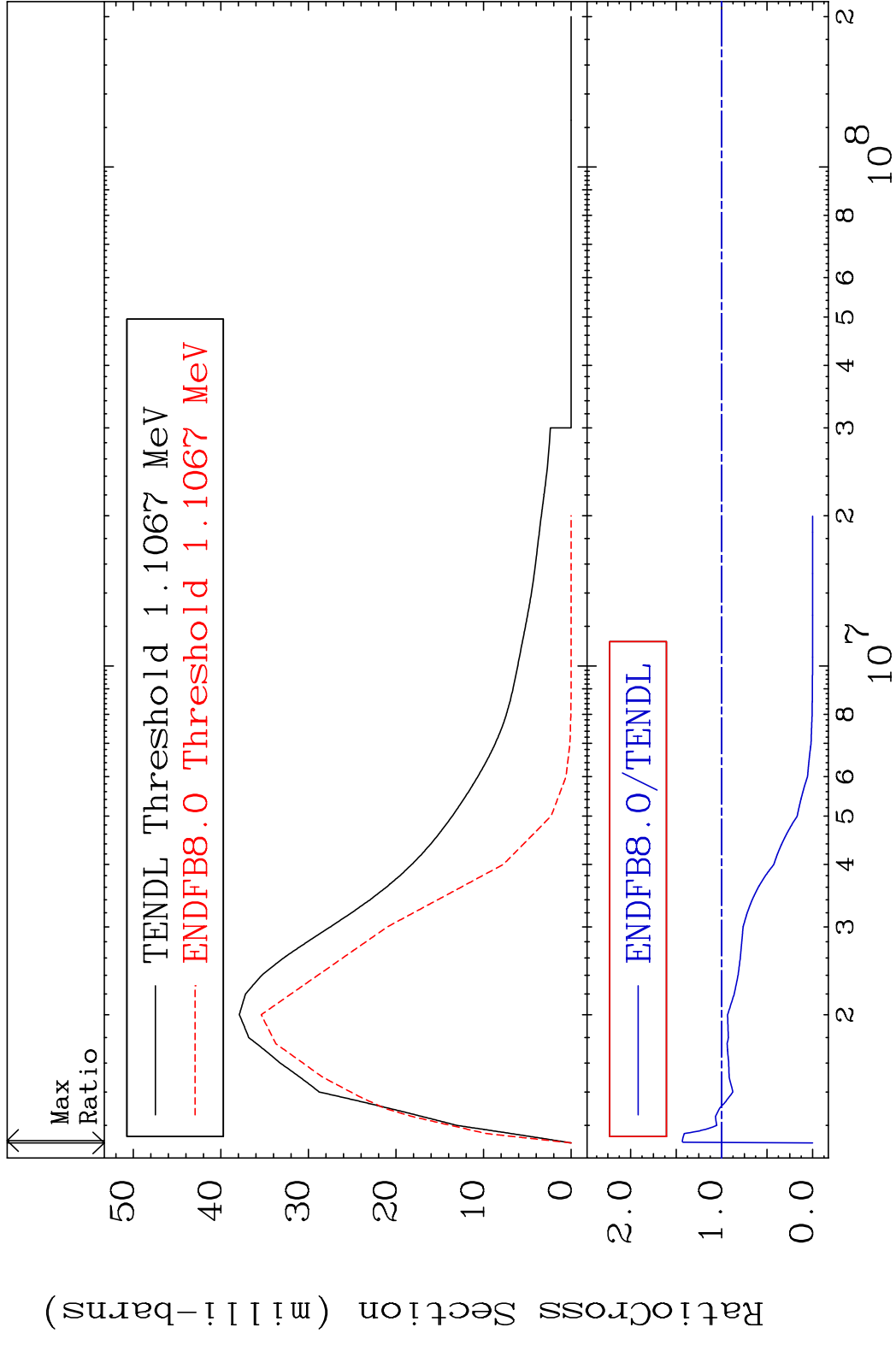
16 Incident Energy (eV) 53-I -131

MAT 5337 MT= 58 (n, n') Level 53-I -131  
 Cross Section -100.0 To 72.43 %

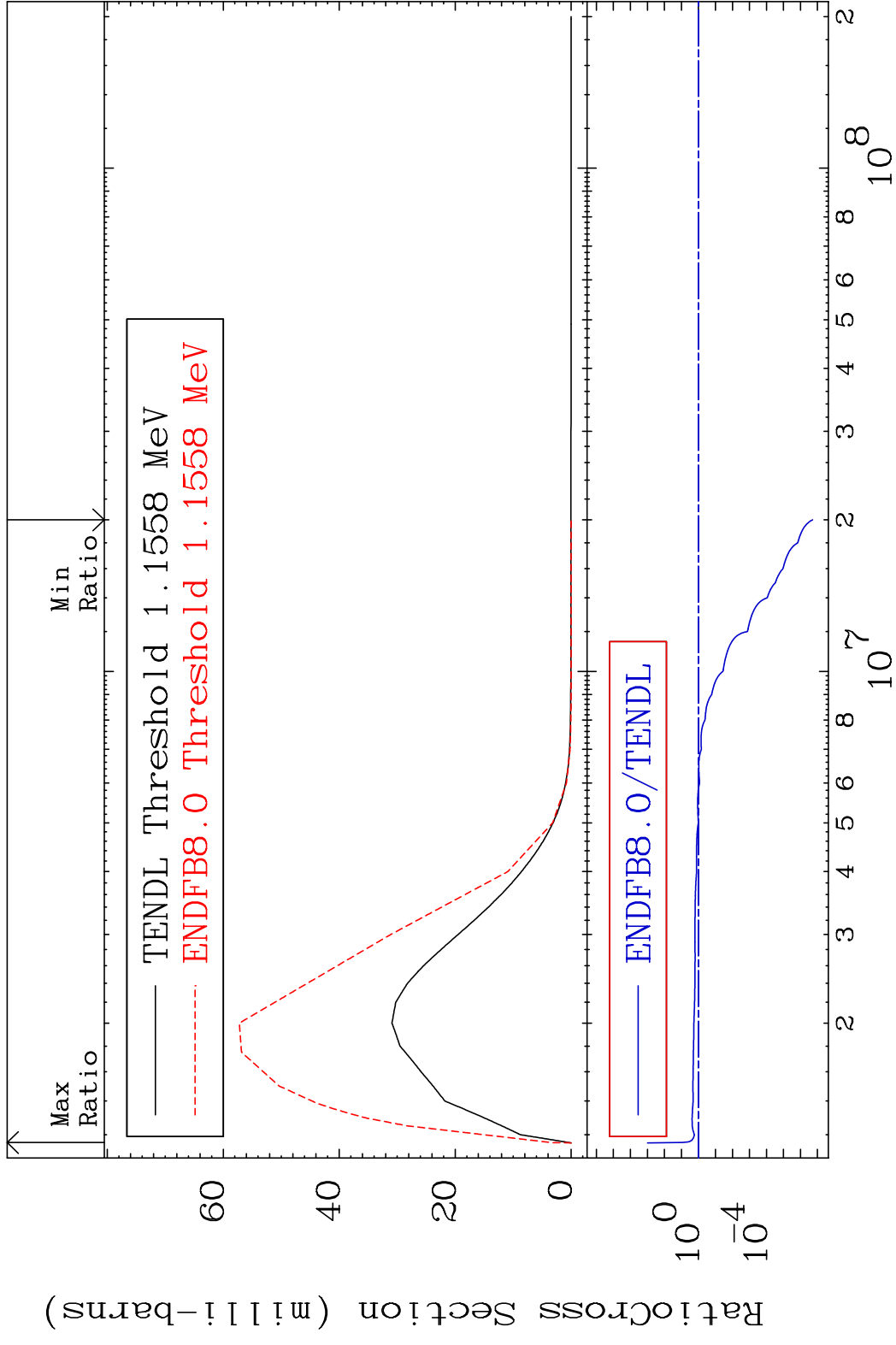


17 Incident Energy (eV) 53-I -131

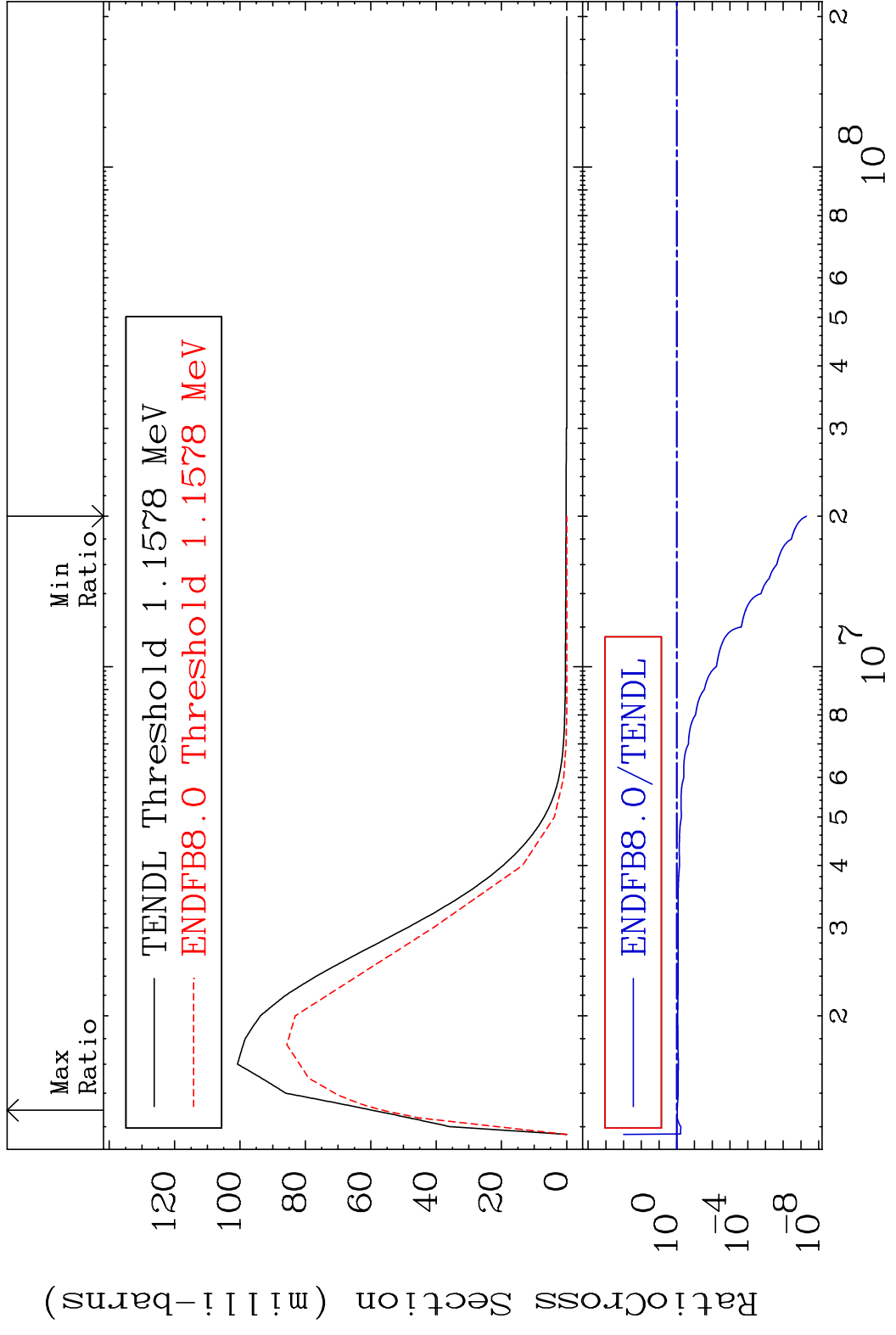
MAT 5337 MT= 59 (n,n') Level 53-I -131  
 Cross Section -100.0 To 43.14 %



MAT 5337 MT= 60 (n, n') Level 53-I -131  
 Cross Section -100.0 To 782.5 %

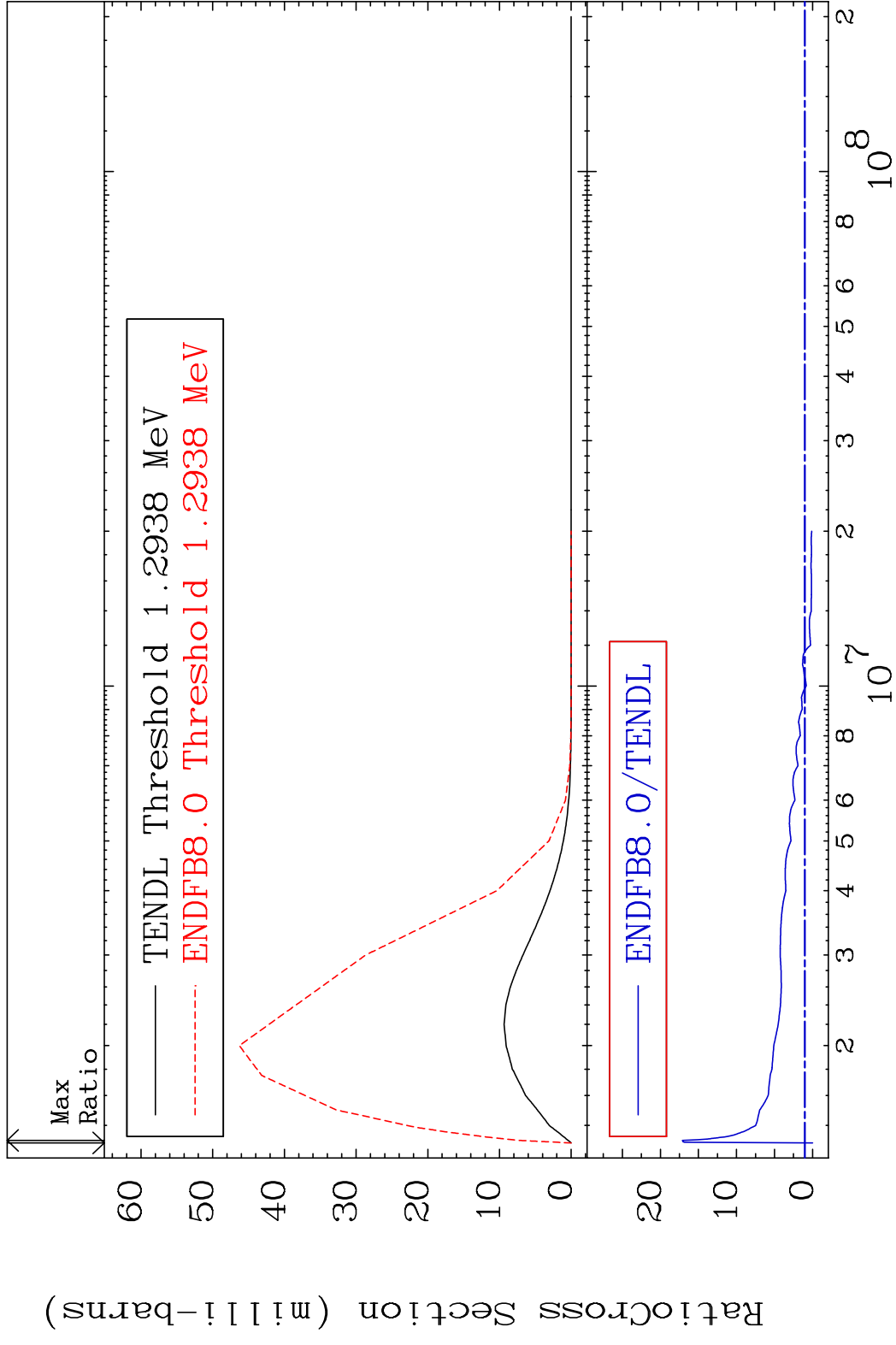


MAT 5337 MT= 61 (n, n') Level 53-I -131  
 Cross Section -100.0 To -5.258%

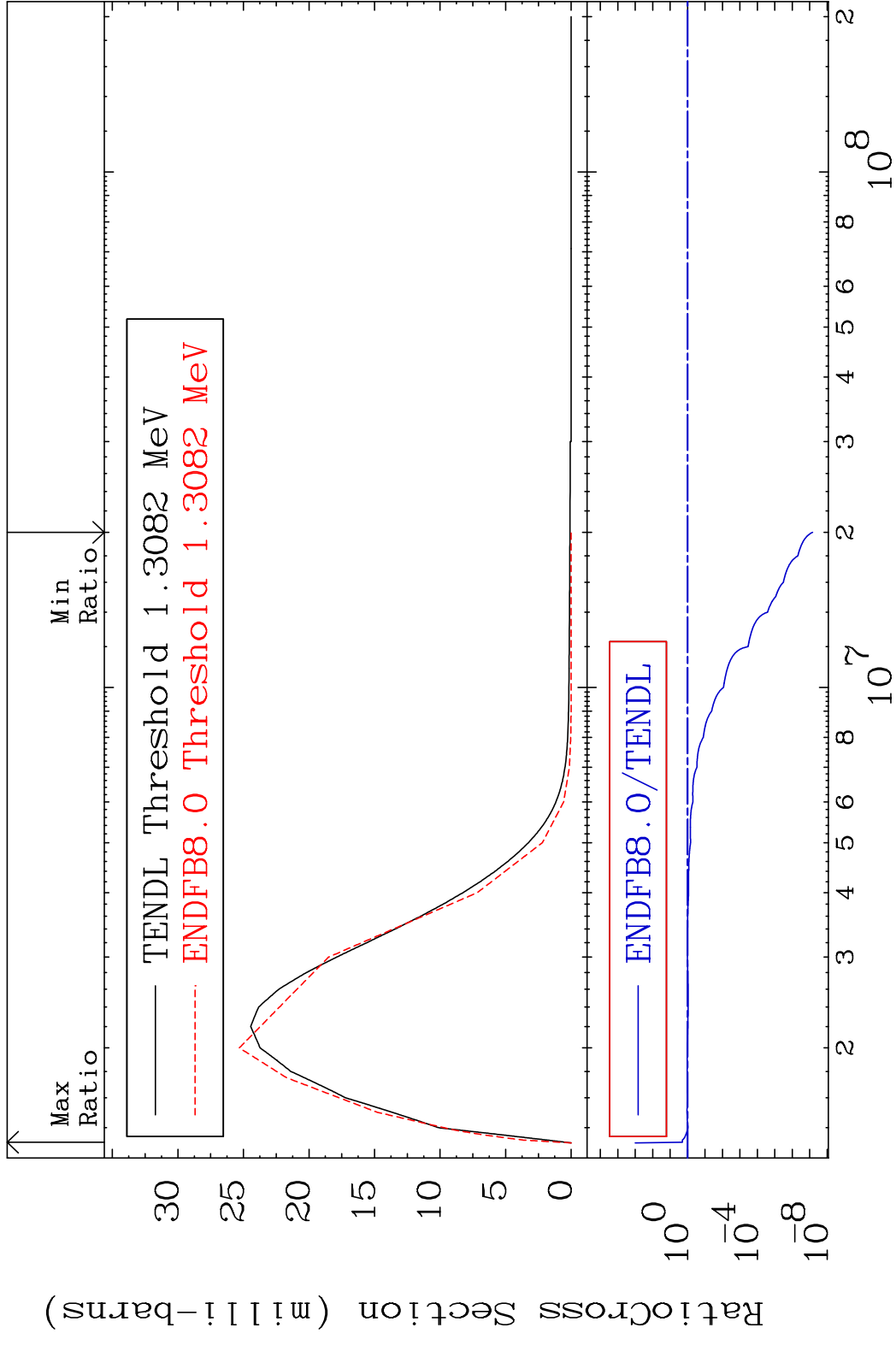


20 Incident Energy (eV) 53-I -131

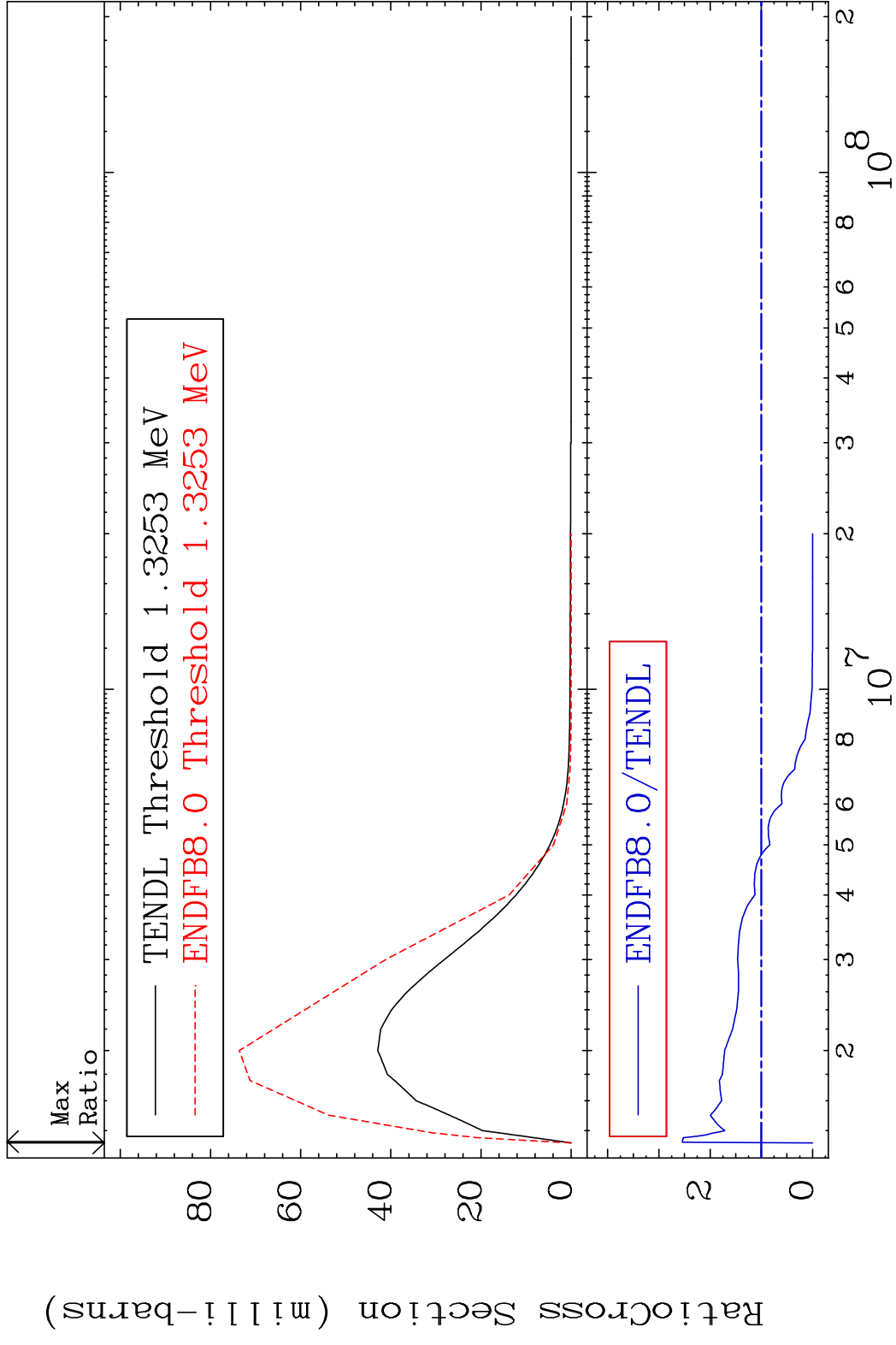
MAT 5337 MT= 62 (n,n') Level 53-I -131  
 Cross Section -100.0 To 1612. %



MAT 5337 MT= 63 (n, n') Level 53-I -131  
 Cross Section -100.0 To 99.35 %

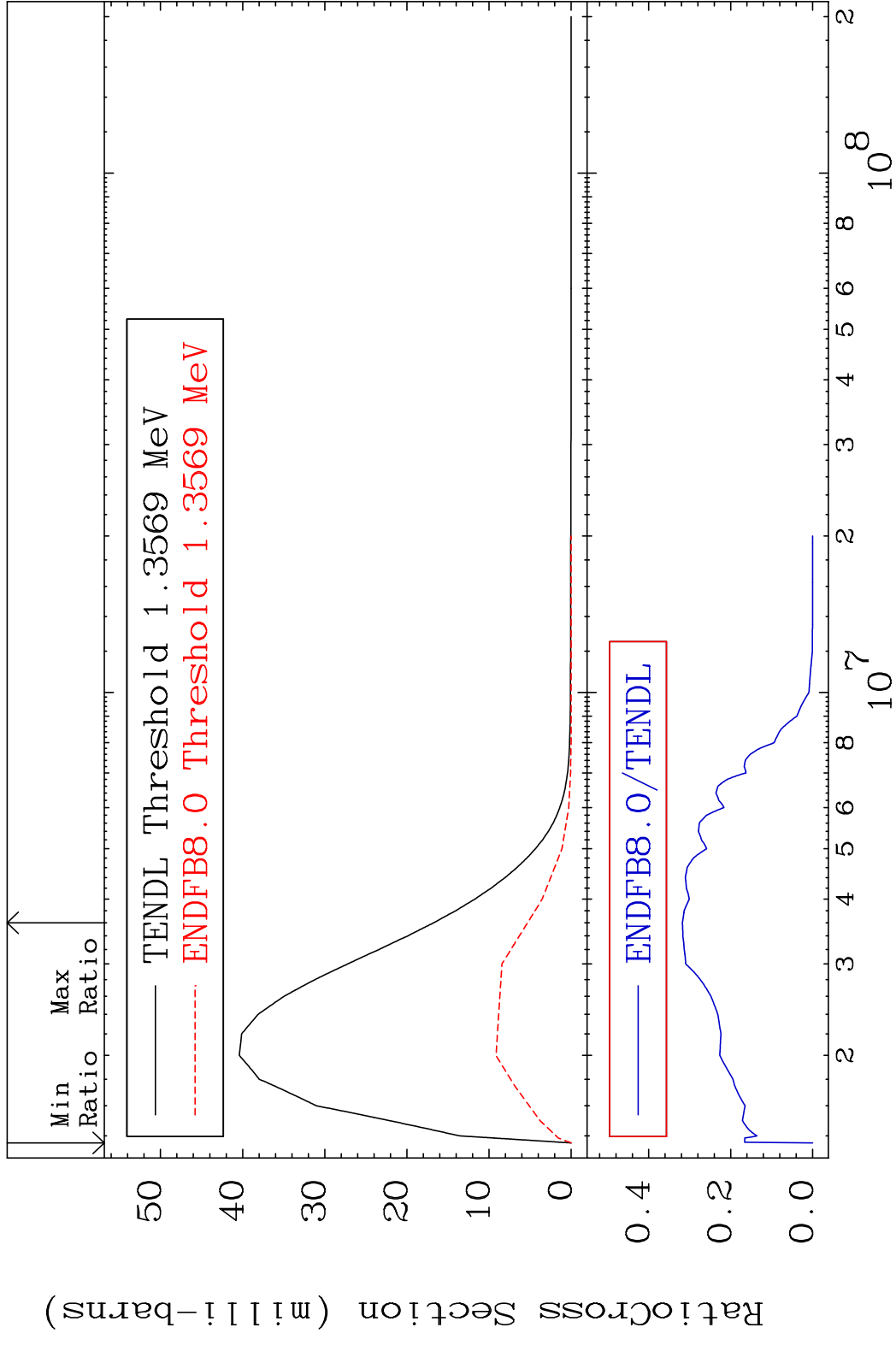


MAT 5337 MT= 64 (n,n') Level 53-I -131  
 Cross Section -100.0 To 154.2 %





MAT 5337 MT= 65 (n,n') Level 53-I -131  
 Cross Section -100.0 To -68.21%

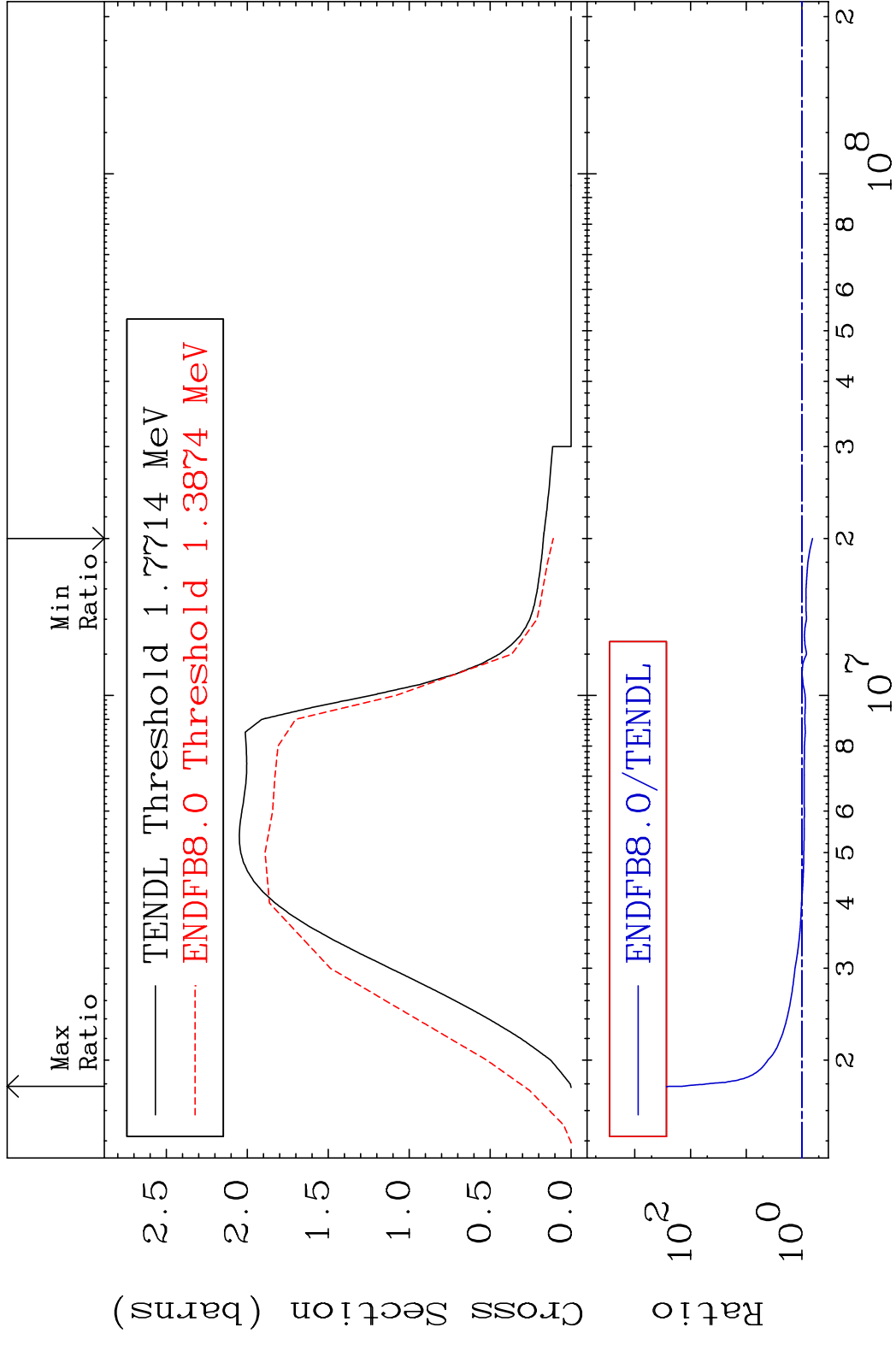


MAT 5337

(n, n') Continuum

53-I -131

Cross Section -35.52 To 9999. %

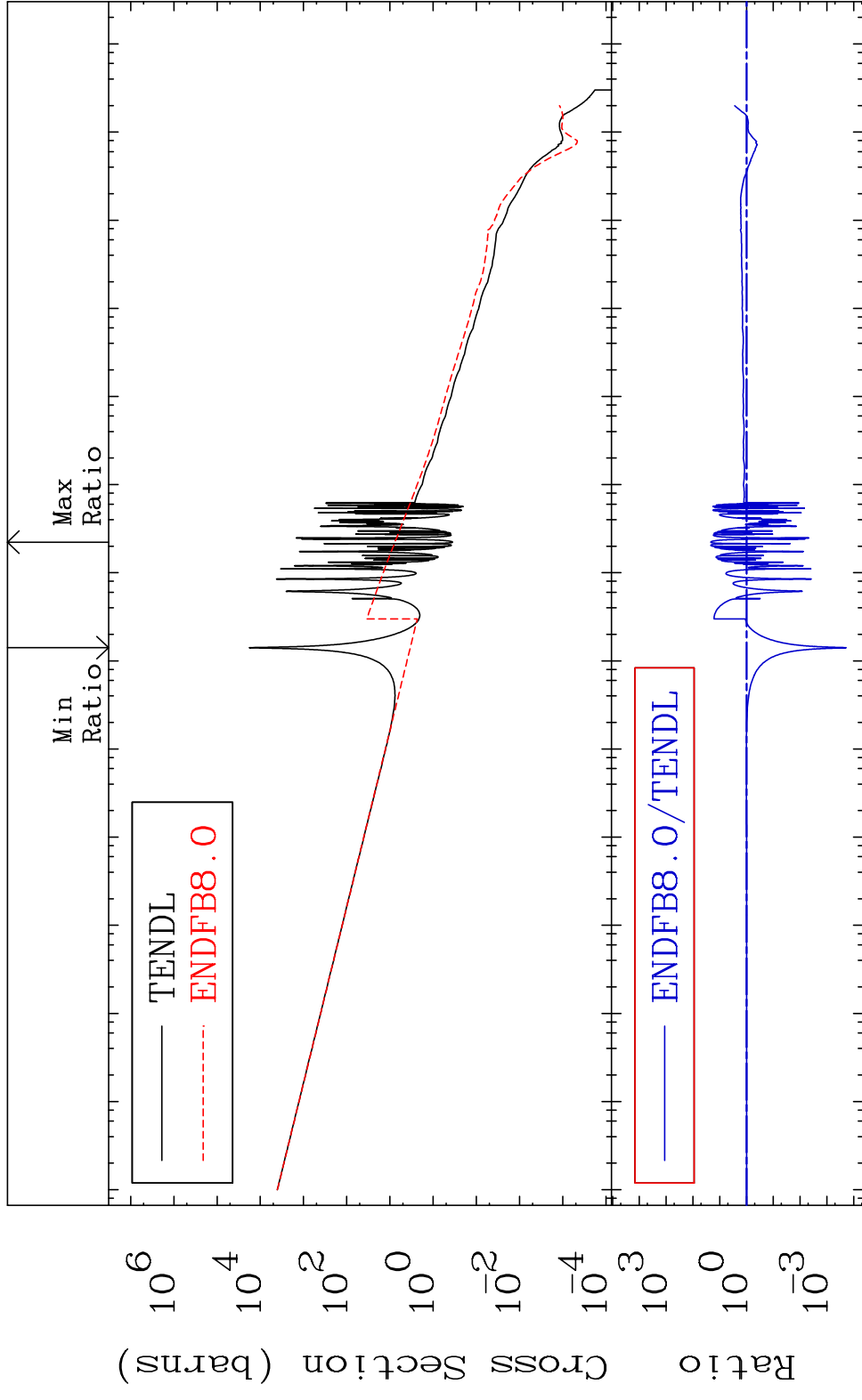


MAT 5337

(n,  $\gamma$ )

53-I -131

Cross Section -99.98 To 2072. %

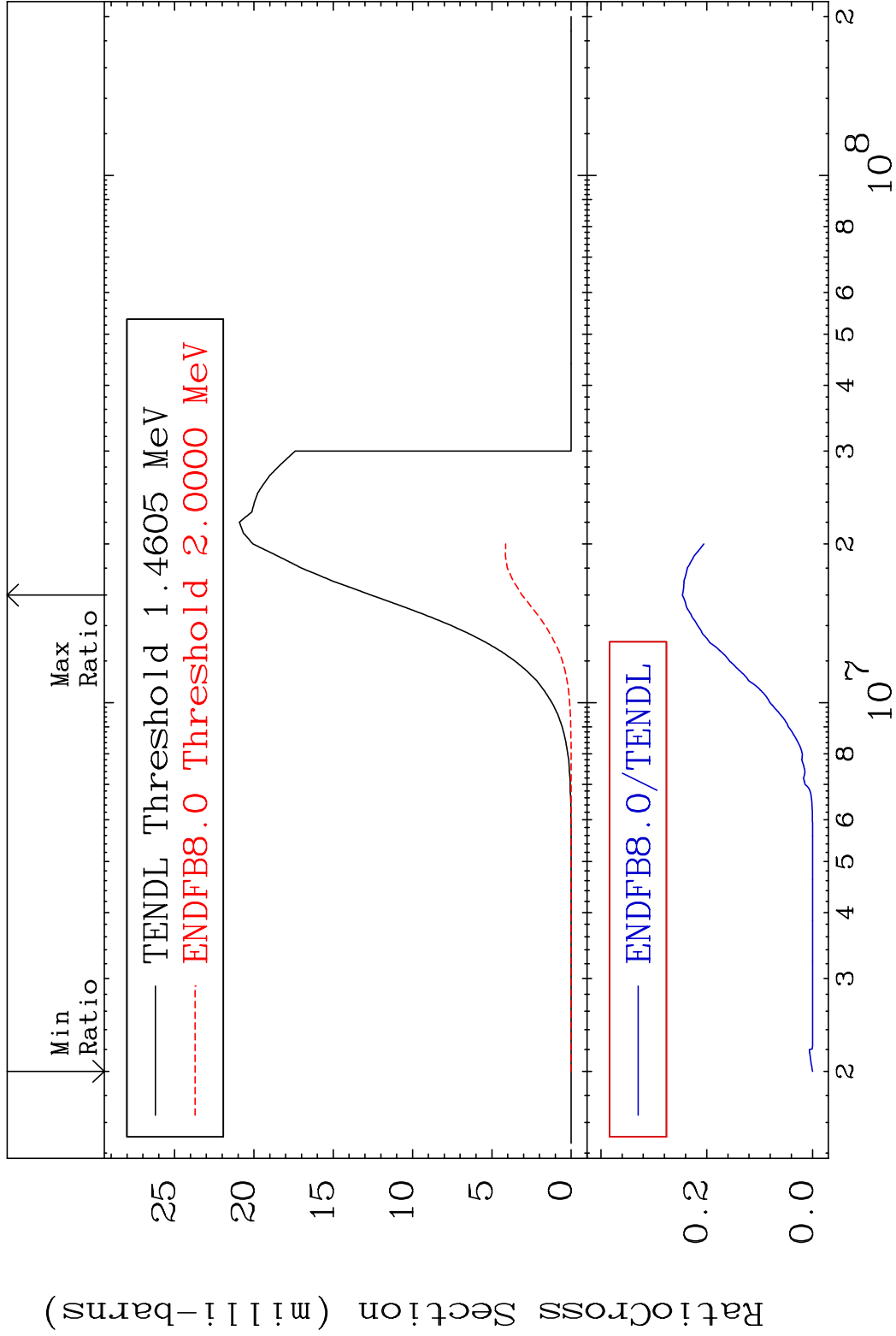


MAT 5337

(n, p)

53-I -131

Cross Section -100.0 To -75.39%

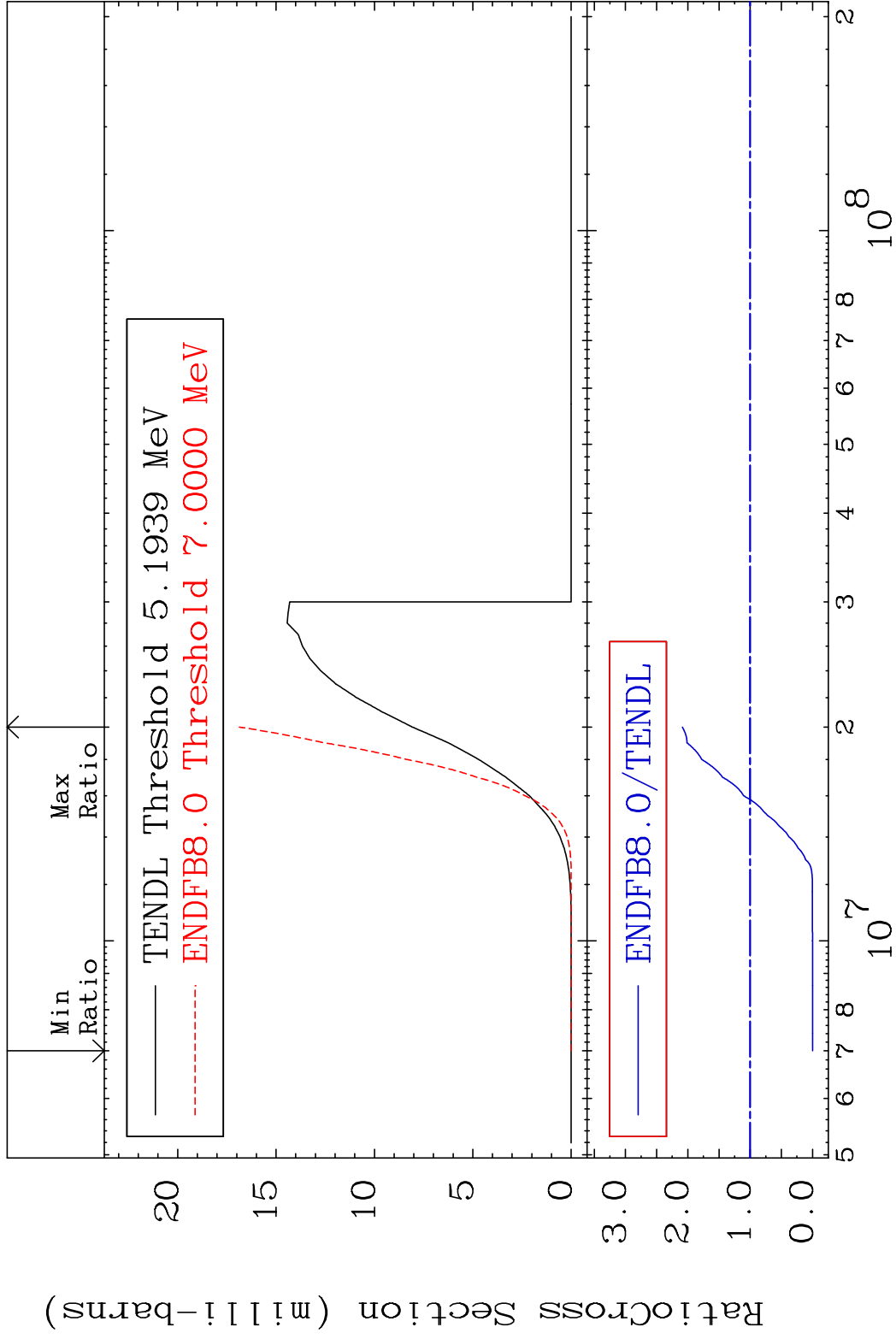


MAT 5337

(n,d)

53-I -131

Cross Section -100.0 To 108.8 %



28

Incident Energy (eV)

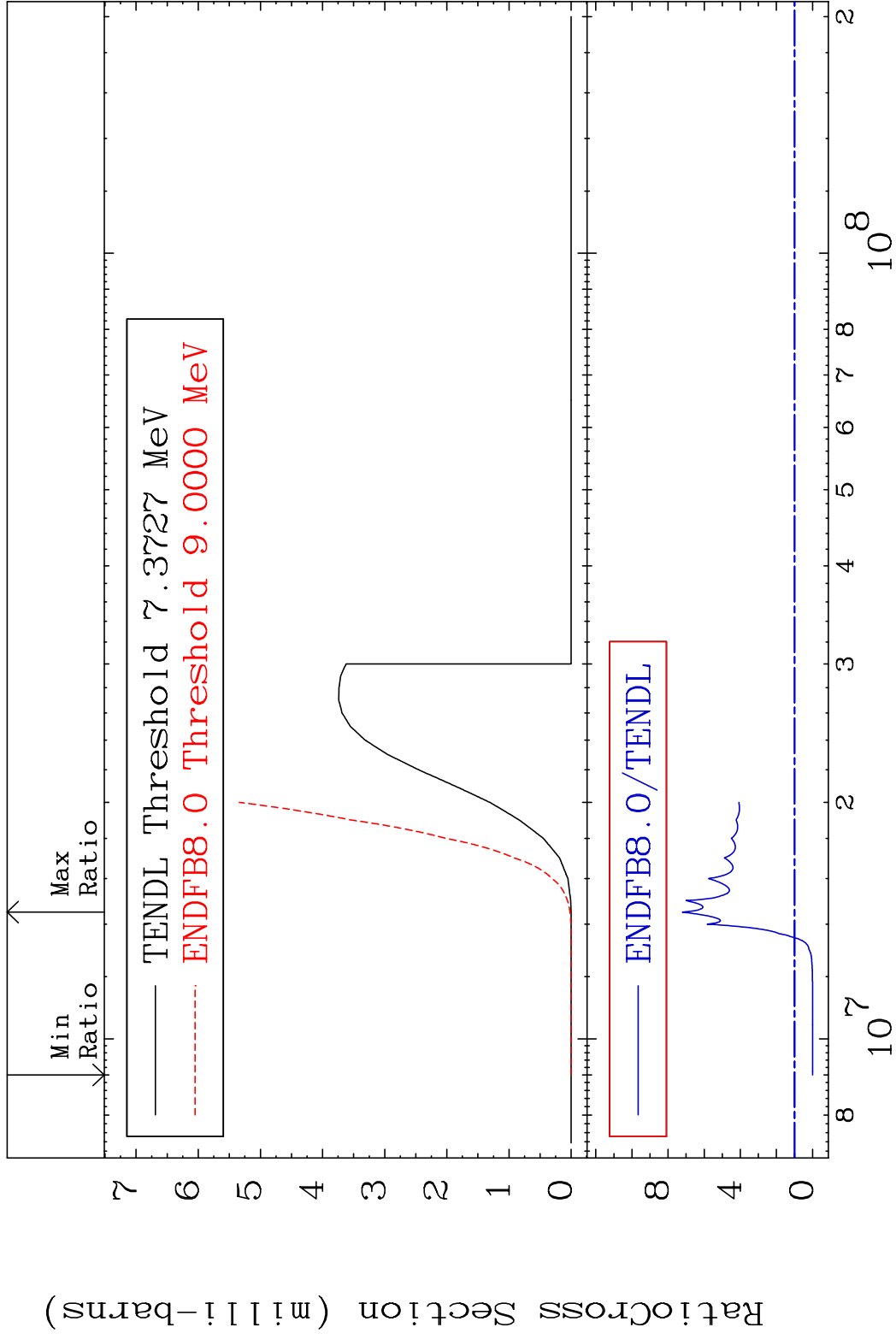
53-I -131

MAT 5337

(n, t)

53-I -131

Cross Section -100.0 To 620.9 %



29

Incident Energy (eV)

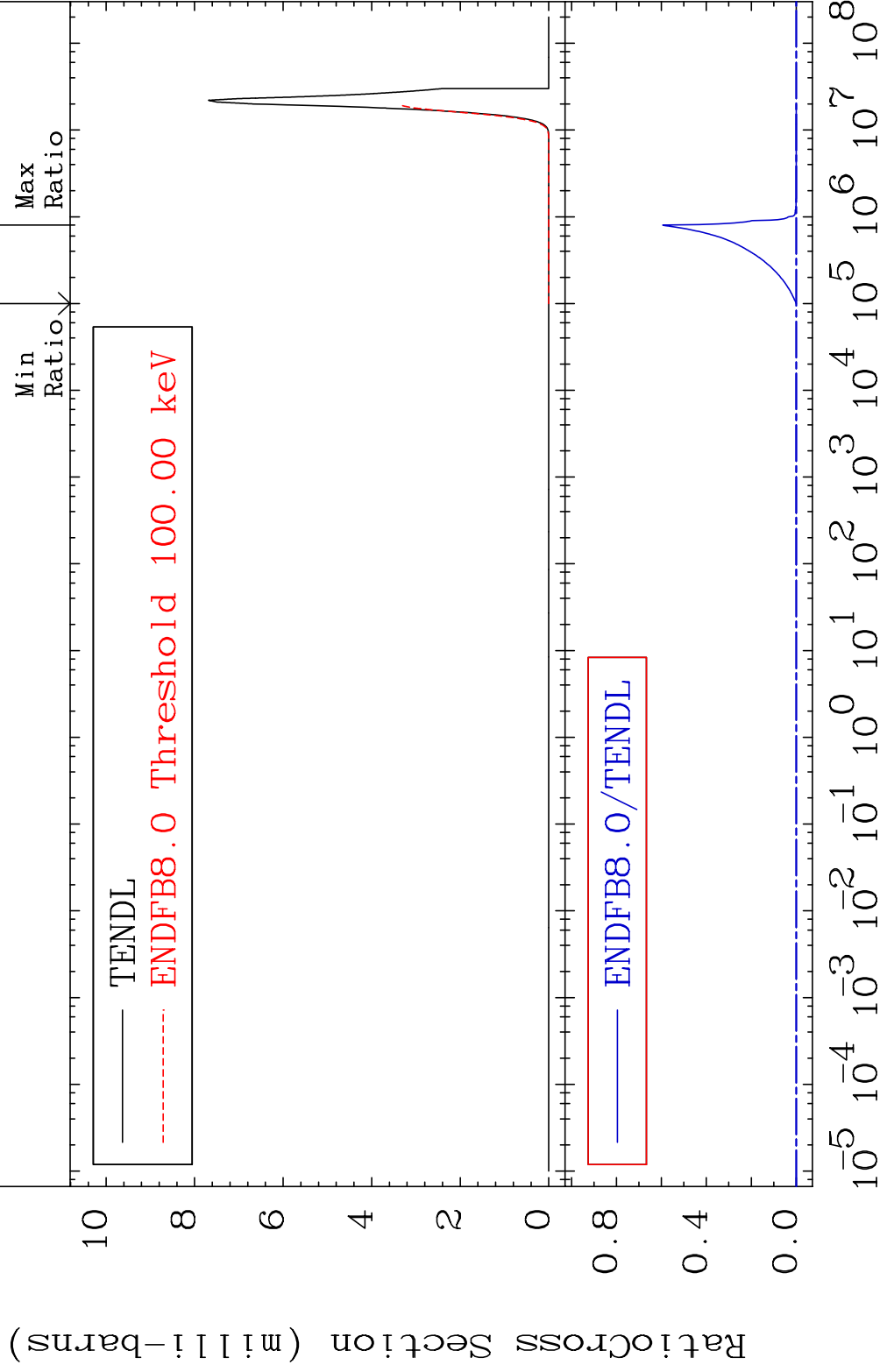
53-I -131

MAT 5337

(n,  $\alpha$ )

53-I -131

Cross Section -100.0 To 9999. %

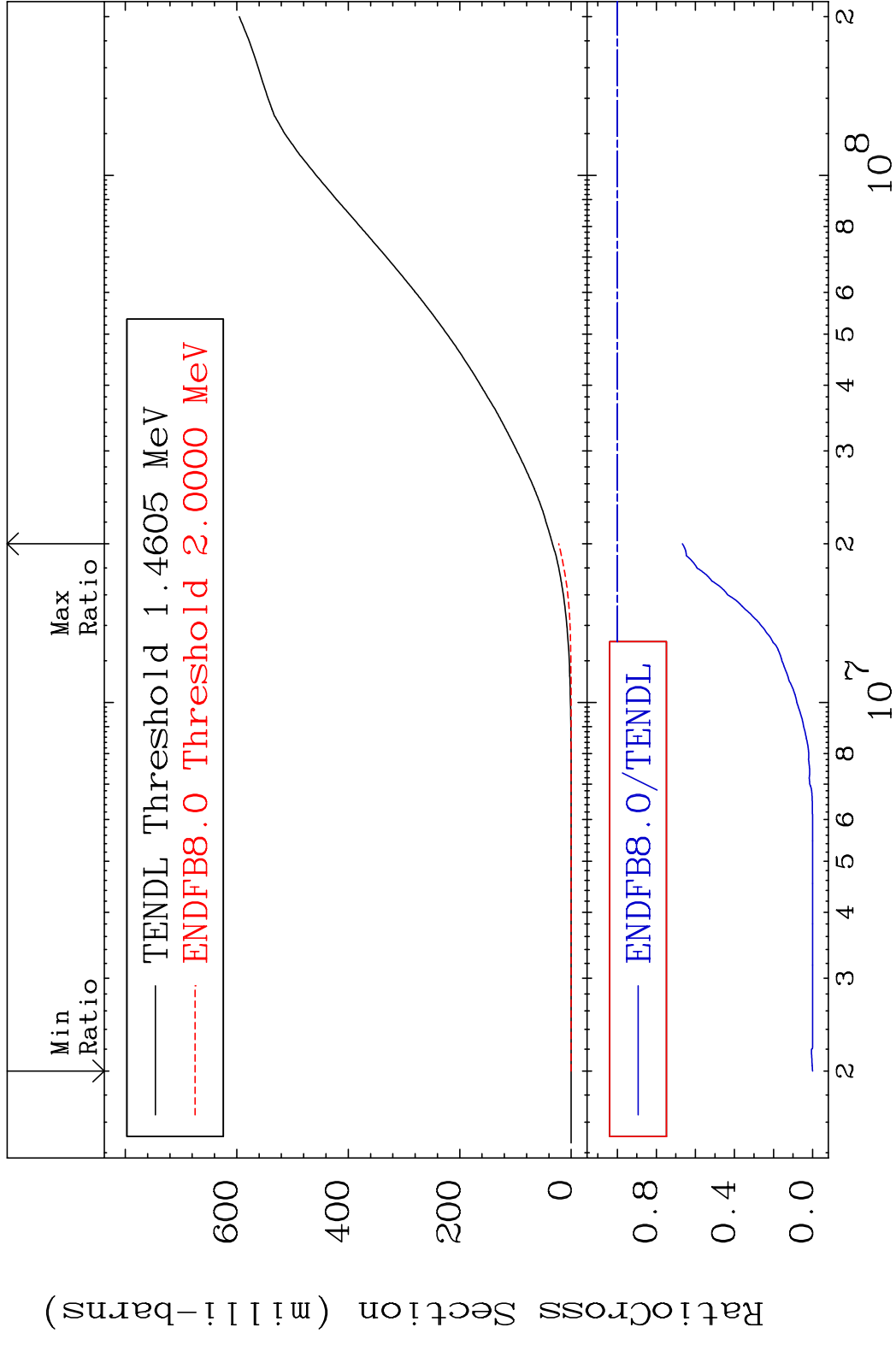


MAT 5337

Hydrogen Production

53-I -131

Cross Section -100.0 To -33.31%



31

Incident Energy (eV)

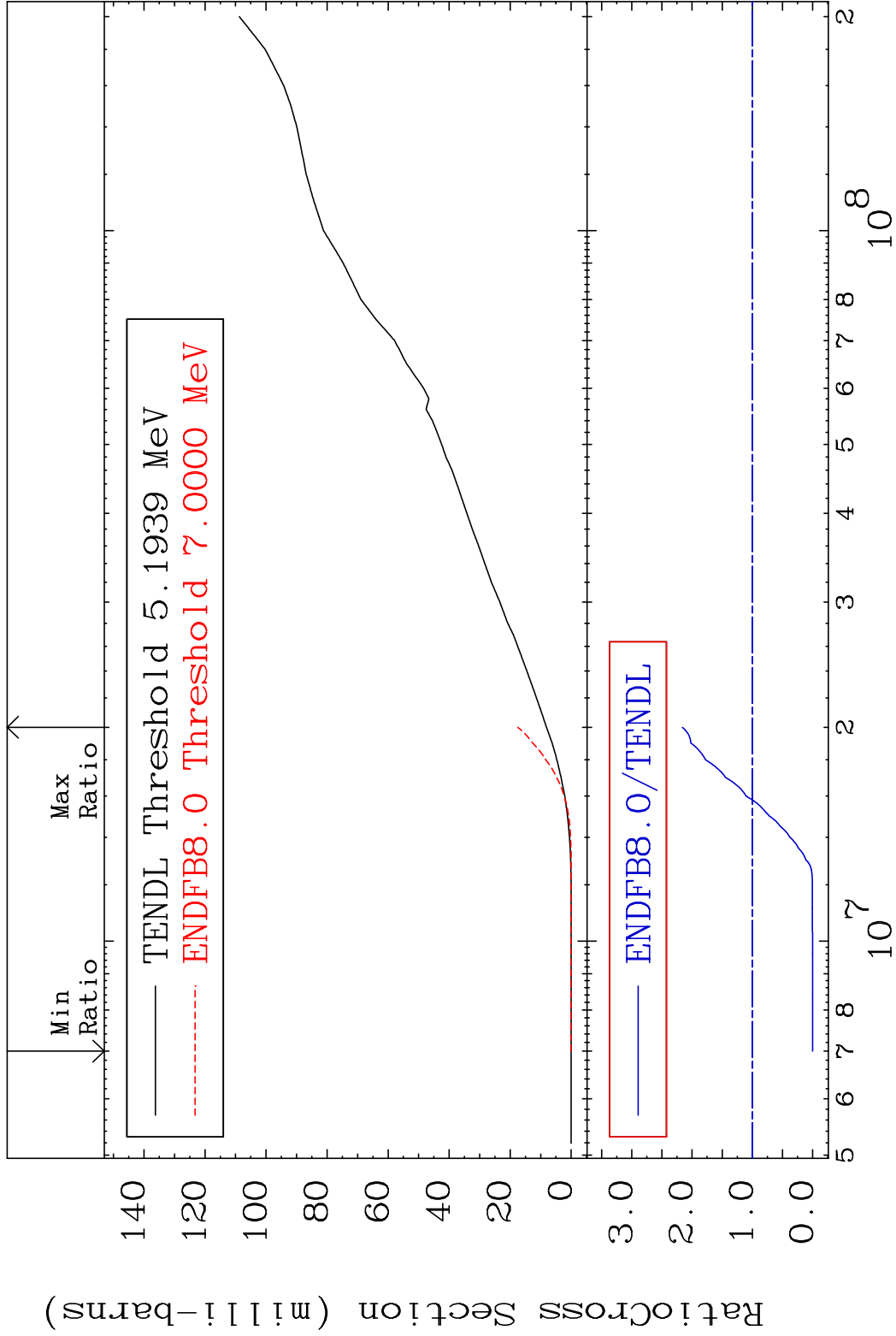
53-I -131



MAT 5337

Deuterium Production 53-I -131

Cross Section -100.0 To 116.1 %

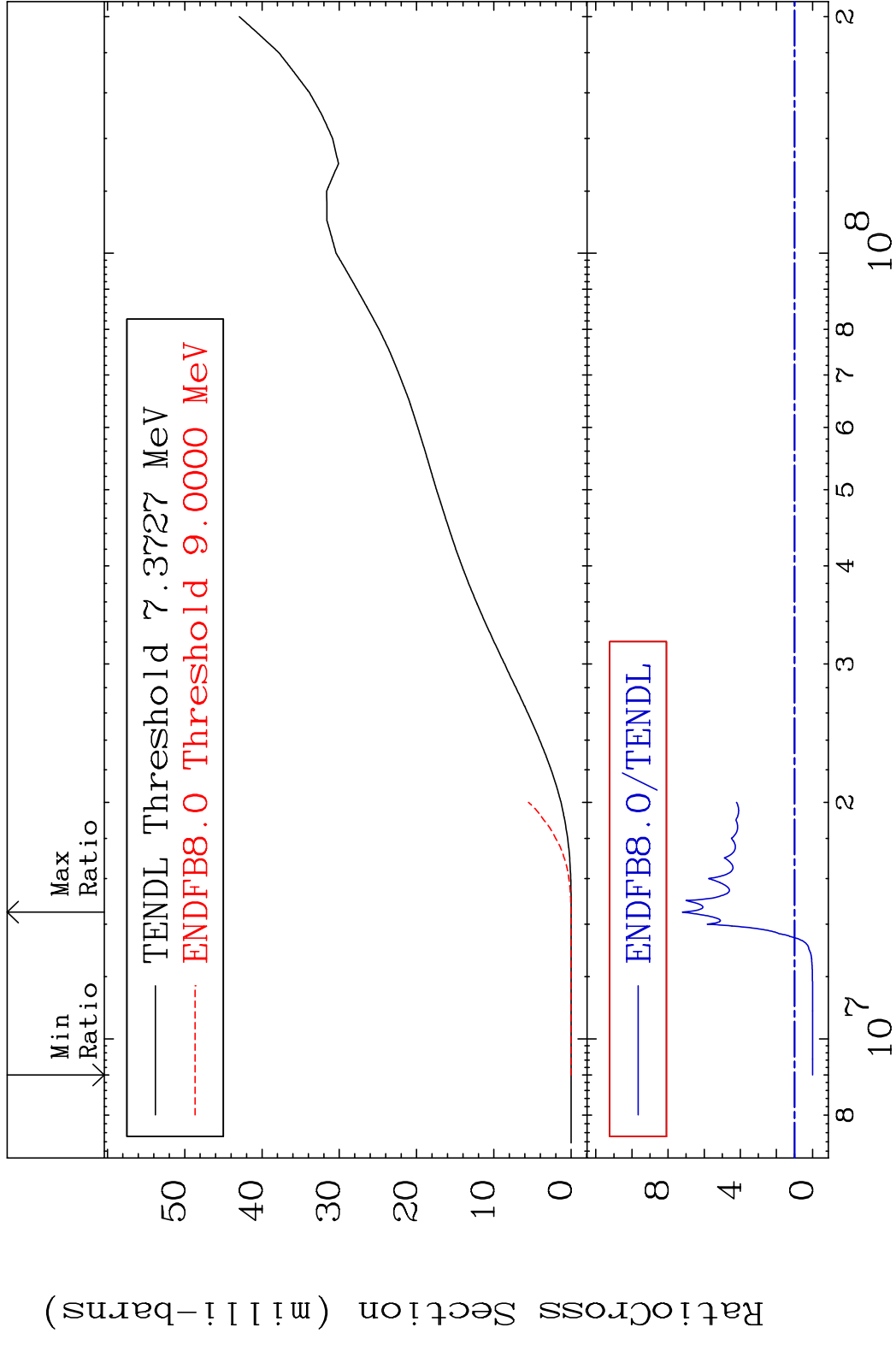


32

Incident Energy (eV) 53-I -131

MAT 5337

Tritium Production 53-I -131  
Cross Section -100.0 To 620.9 %

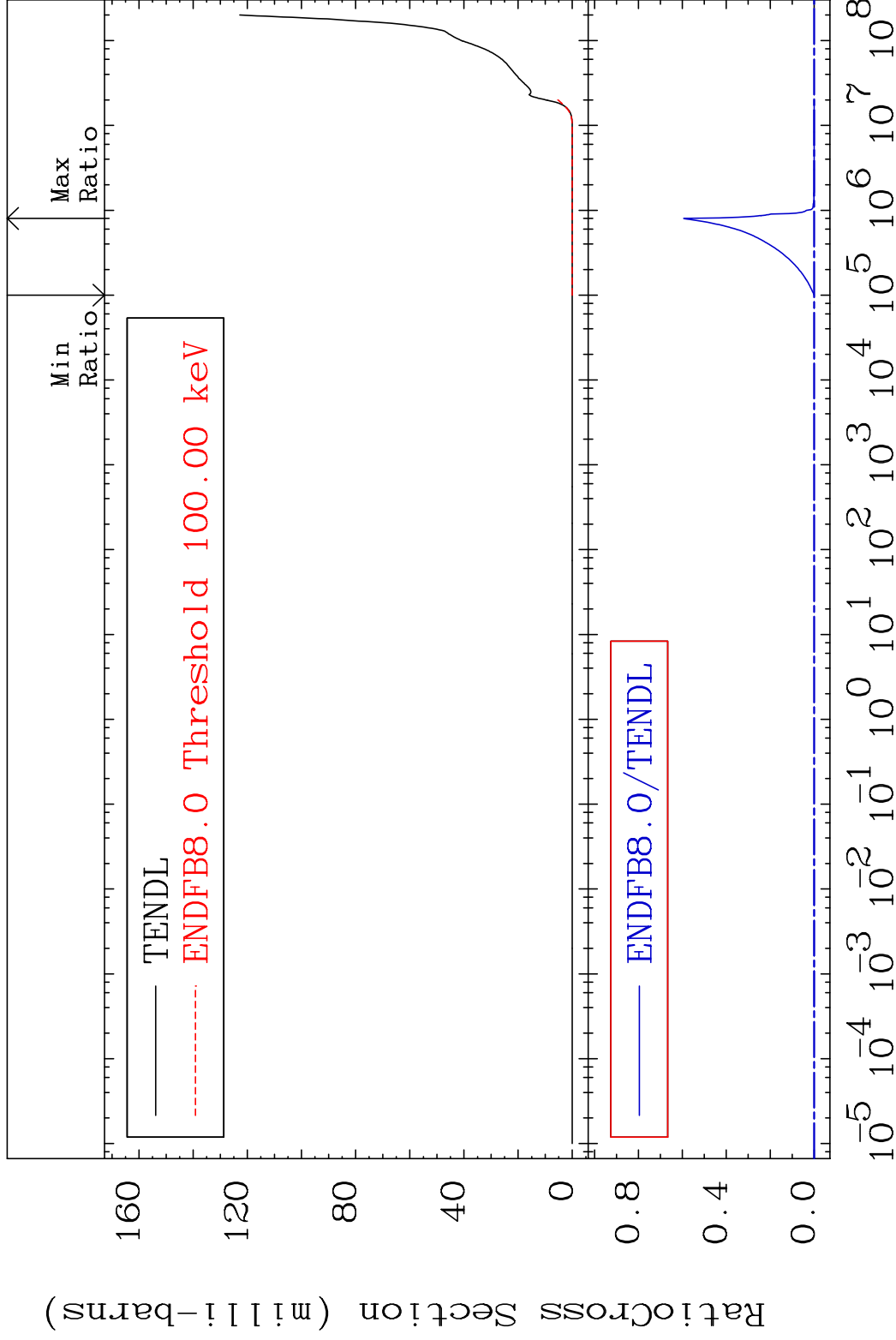


MAT 5337

He-4 Production

53-I -131

Cross Section -100.0 To 9999. %

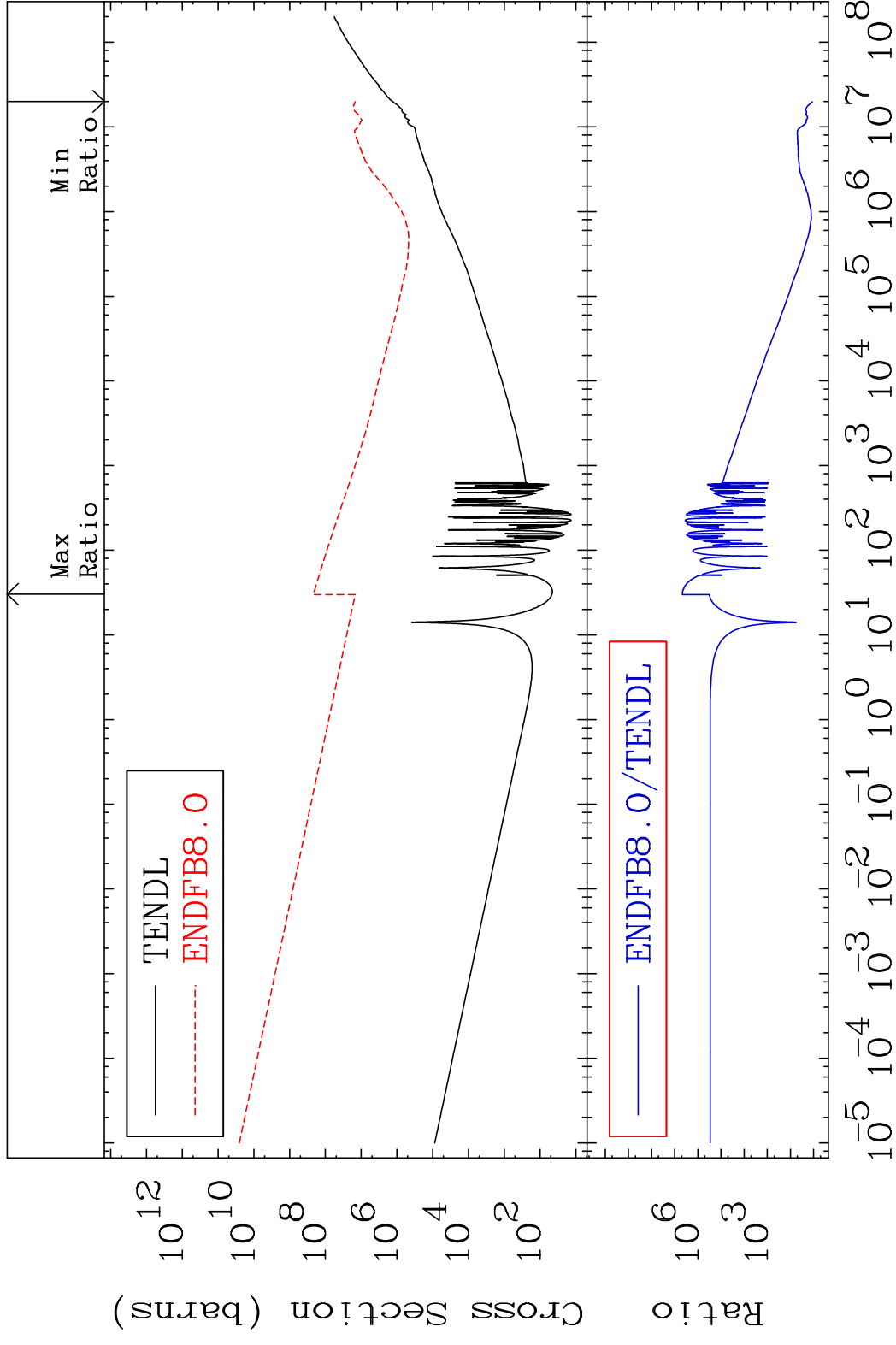


34

Incident Energy (eV)

53-I -131

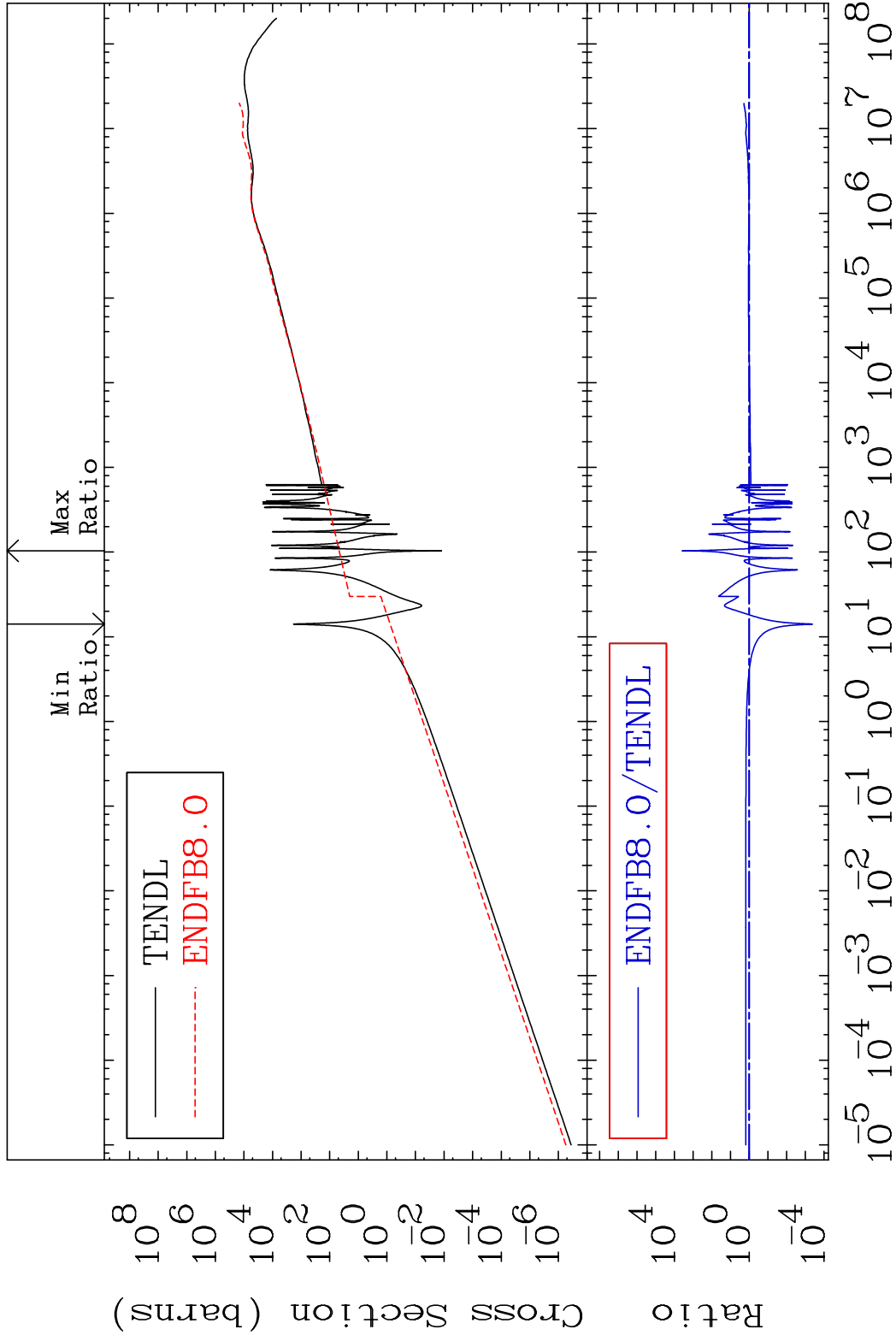
MAT 5337 Kerma total (eV-barns) 53-I -131  
 Cross Section 1012. To 9999. %



35 Incident Energy (eV) 53-I -131

MAT 5337

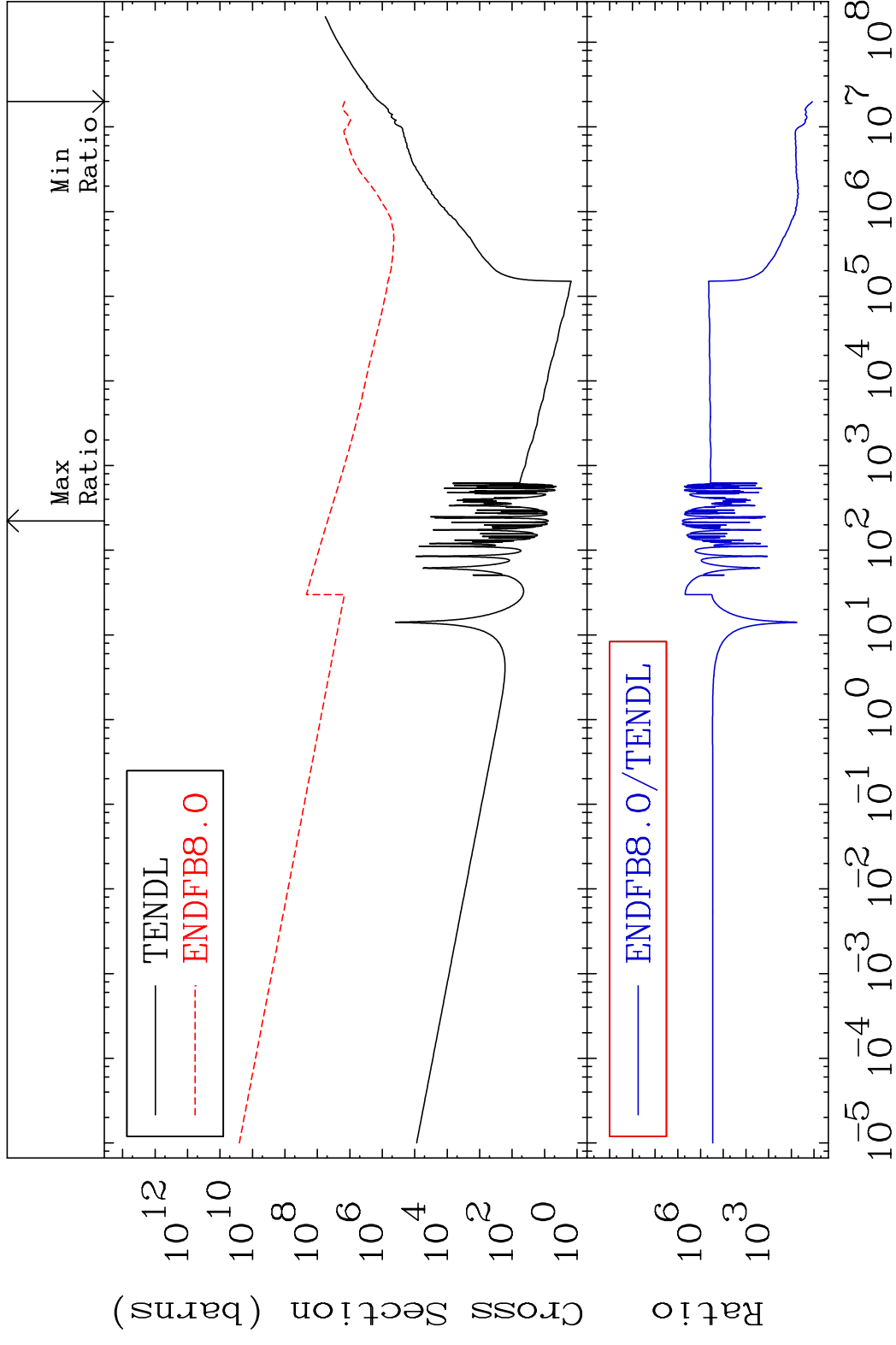
Kerma elastic Cross Section -99.96 To 9999. %  
53-I -131



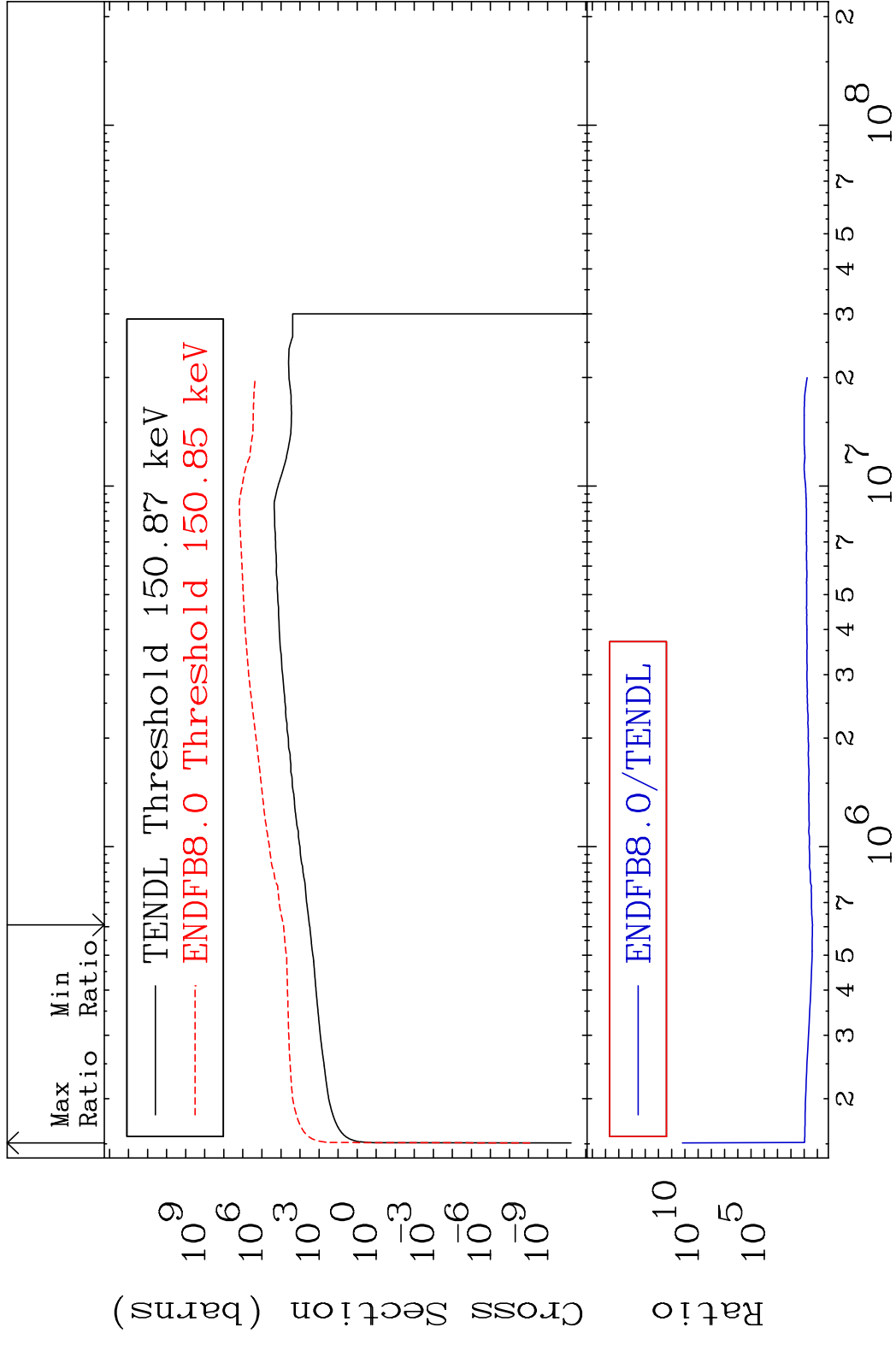
36

Incident Energy (eV) 53-I -131

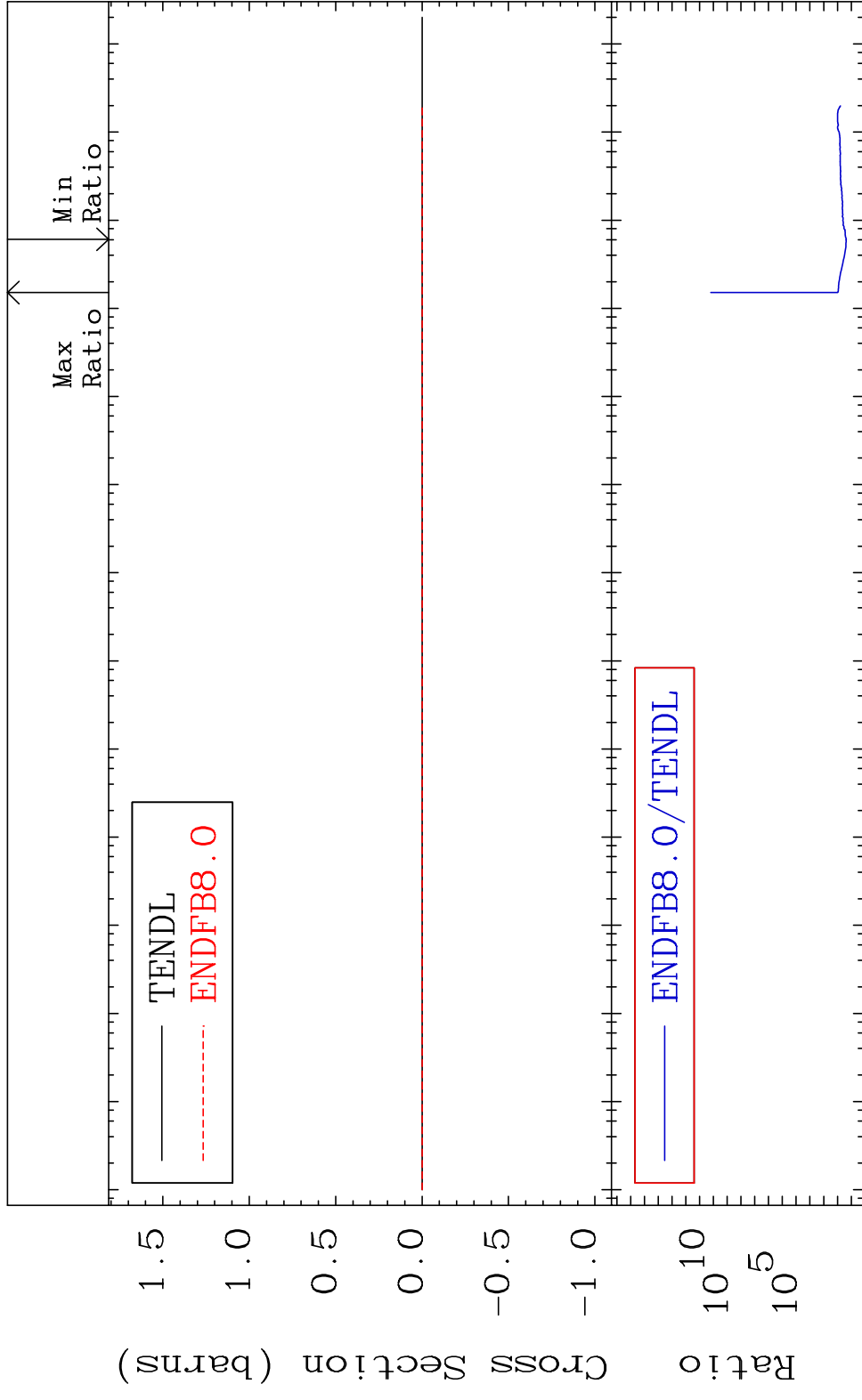
MAT 5337 Kerma non-elastic (all but mt2) 53-I -131  
 Cross Section 1066. To 9999. %



MAT 5337 Kerma inelastic (mt51-91) 53-I -131  
 Cross Section 2185. To 9999. %



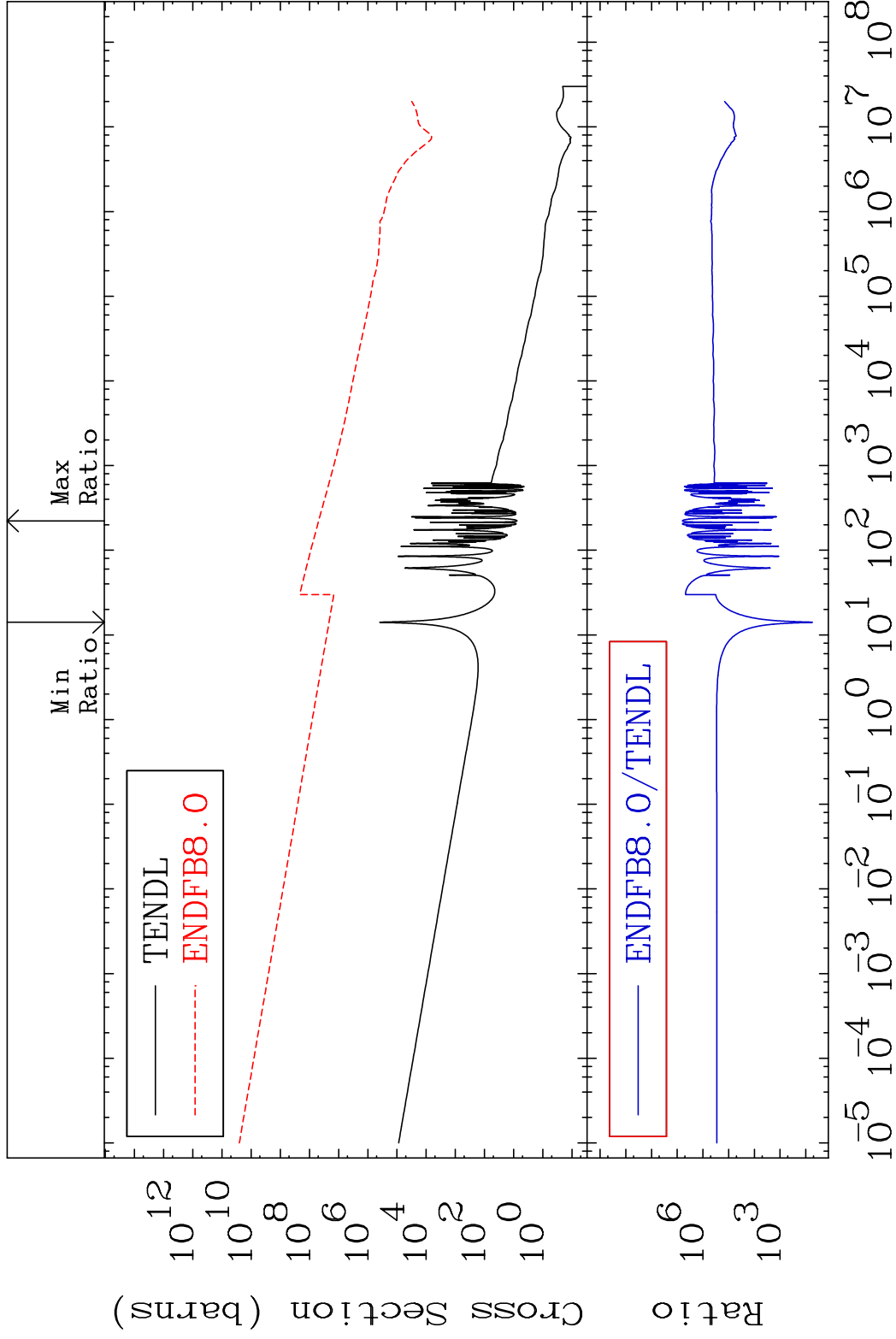
MAT 5337 Kerma fission (mt18 or mt19-20-21-38)53-I -131  
 Cross Section 2185. To 9999. %





MAT 5337

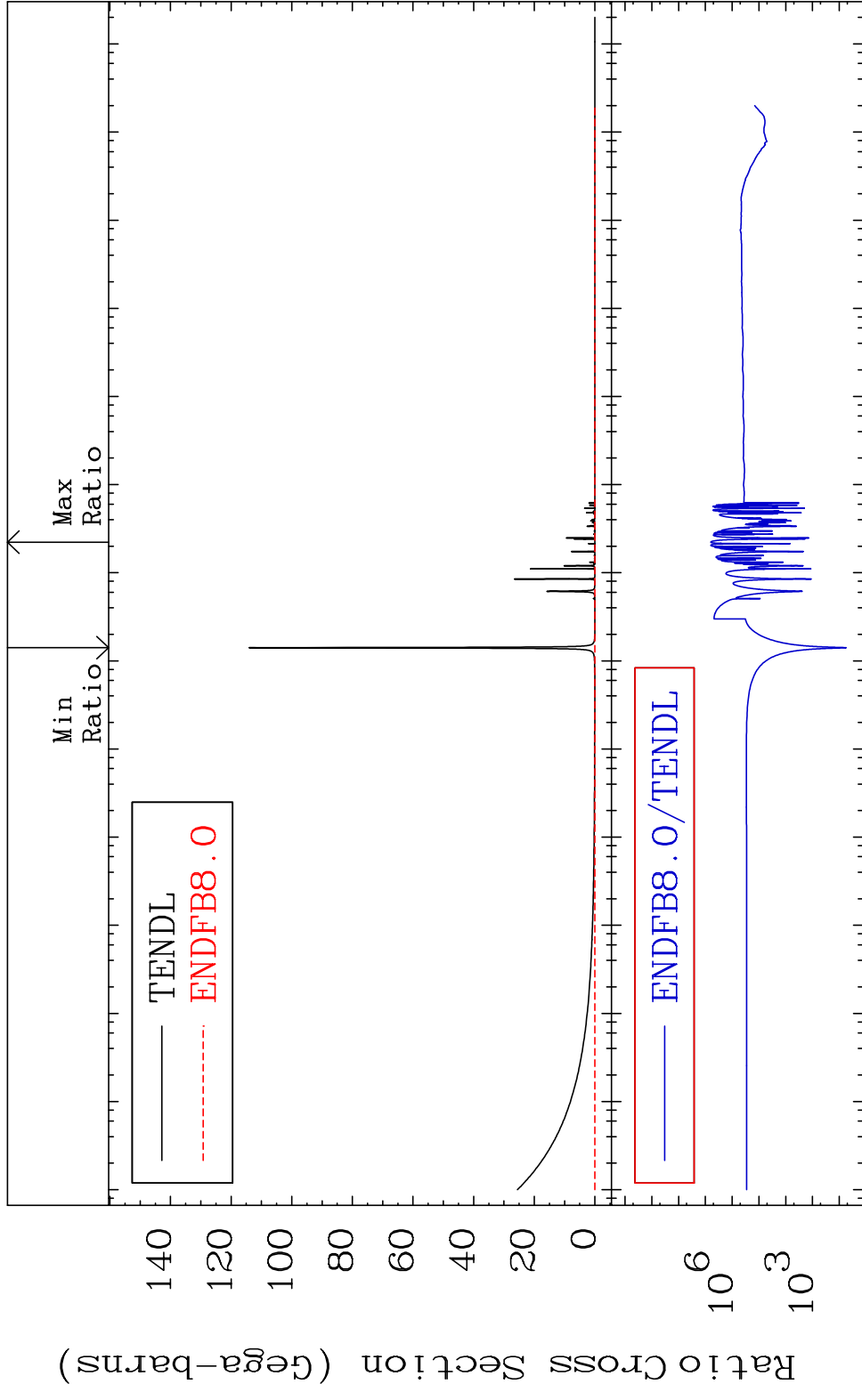
Kerma capture (mt102) 53-I -131  
Cross Section 5375. To 9999. %



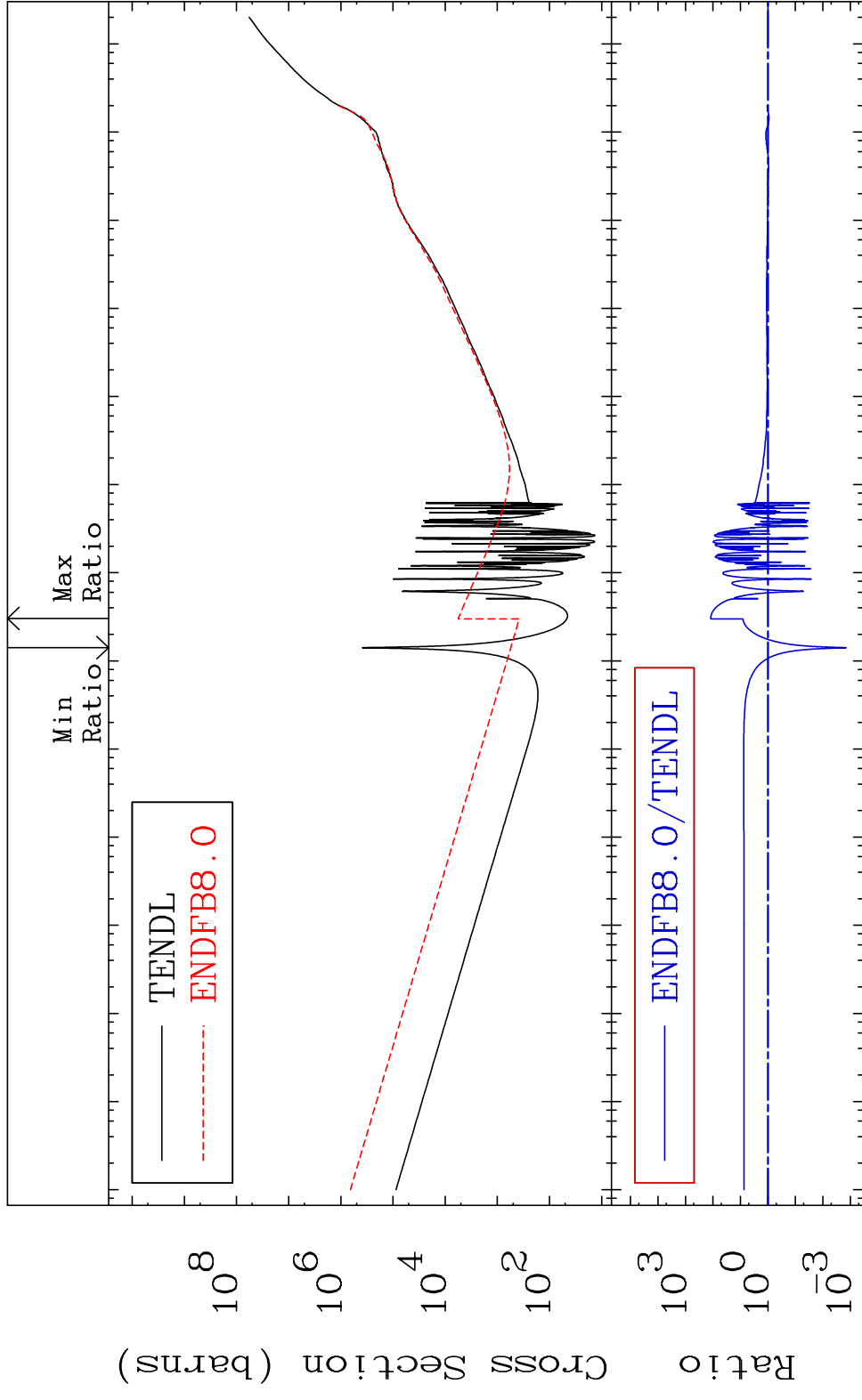
40

Incident Energy (eV) 53-I -131

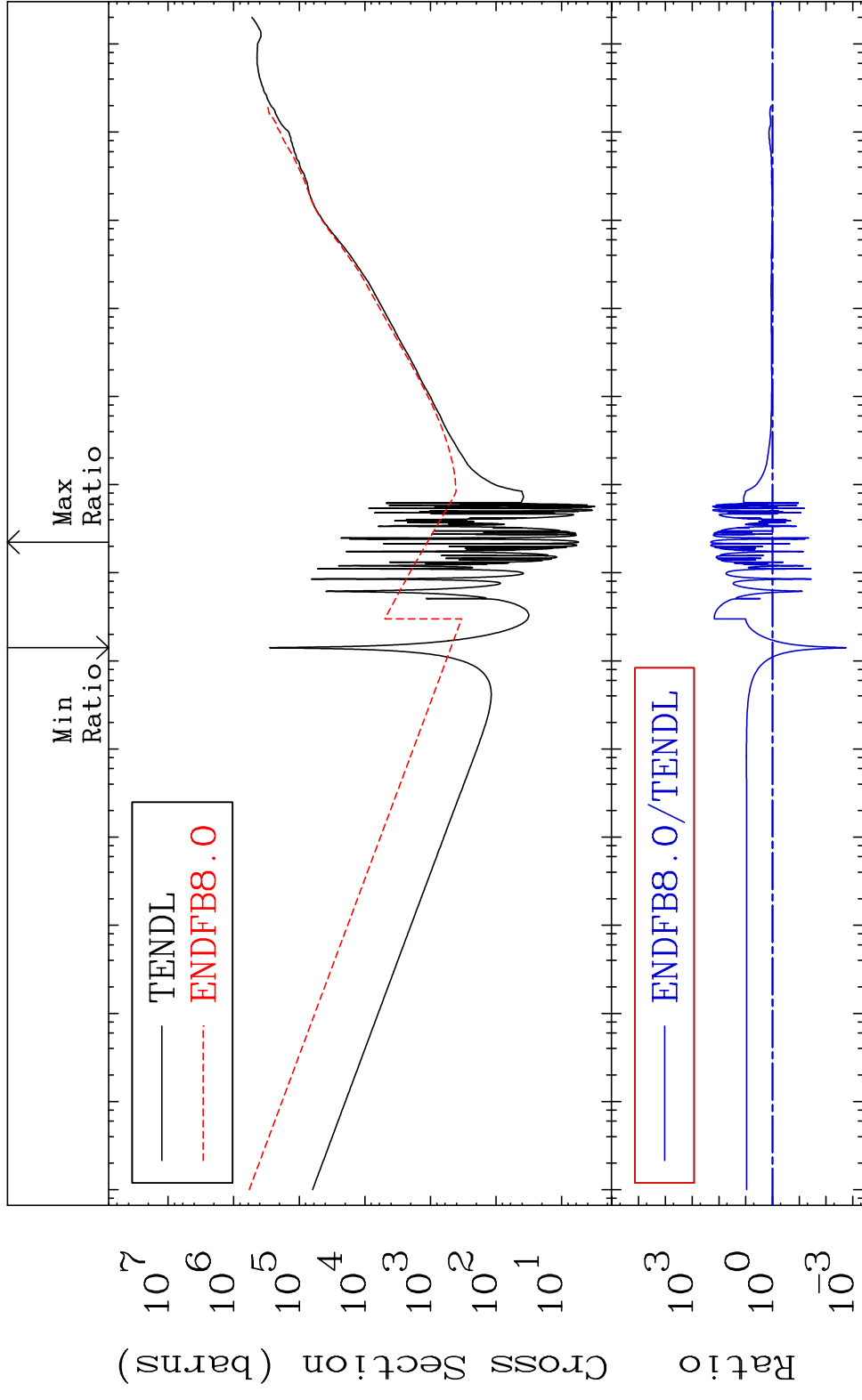
MAT 5337 Total photon (eV-barns) 53-I -131  
 Cross Section 5375. To 9999. %



MAT 5337 Total kinematic kerma (high limit) 53-I -131  
 Cross Section -99.86 To 9999. %



MAT 5337 Dpa total (eV-barns) 53-I -131  
 Cross Section -99.83 To 9999. %

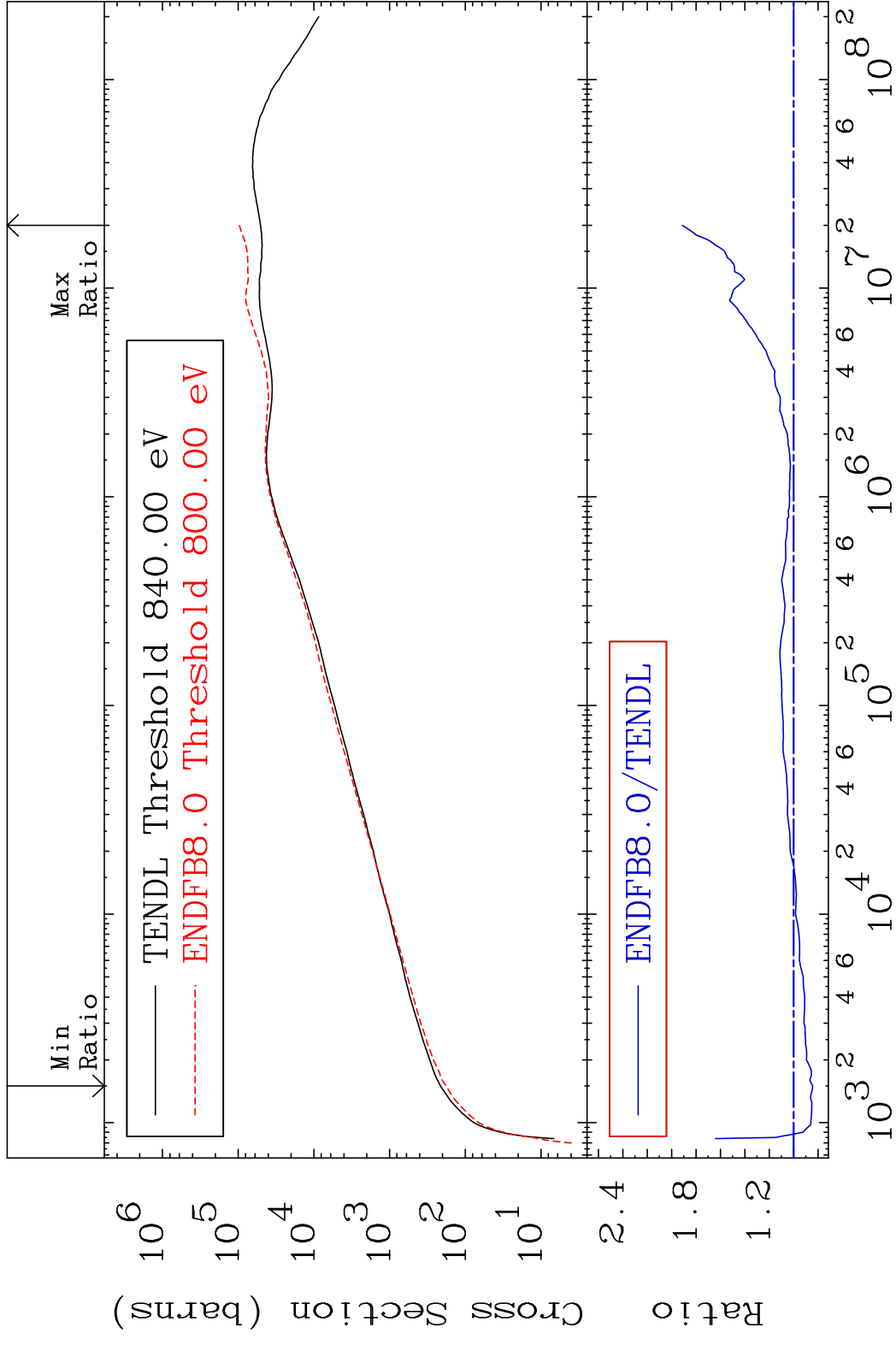


MAT 5337

Dpa elastic (mt2)

53-I -131

Cross Section -15.53 To 91.19 %

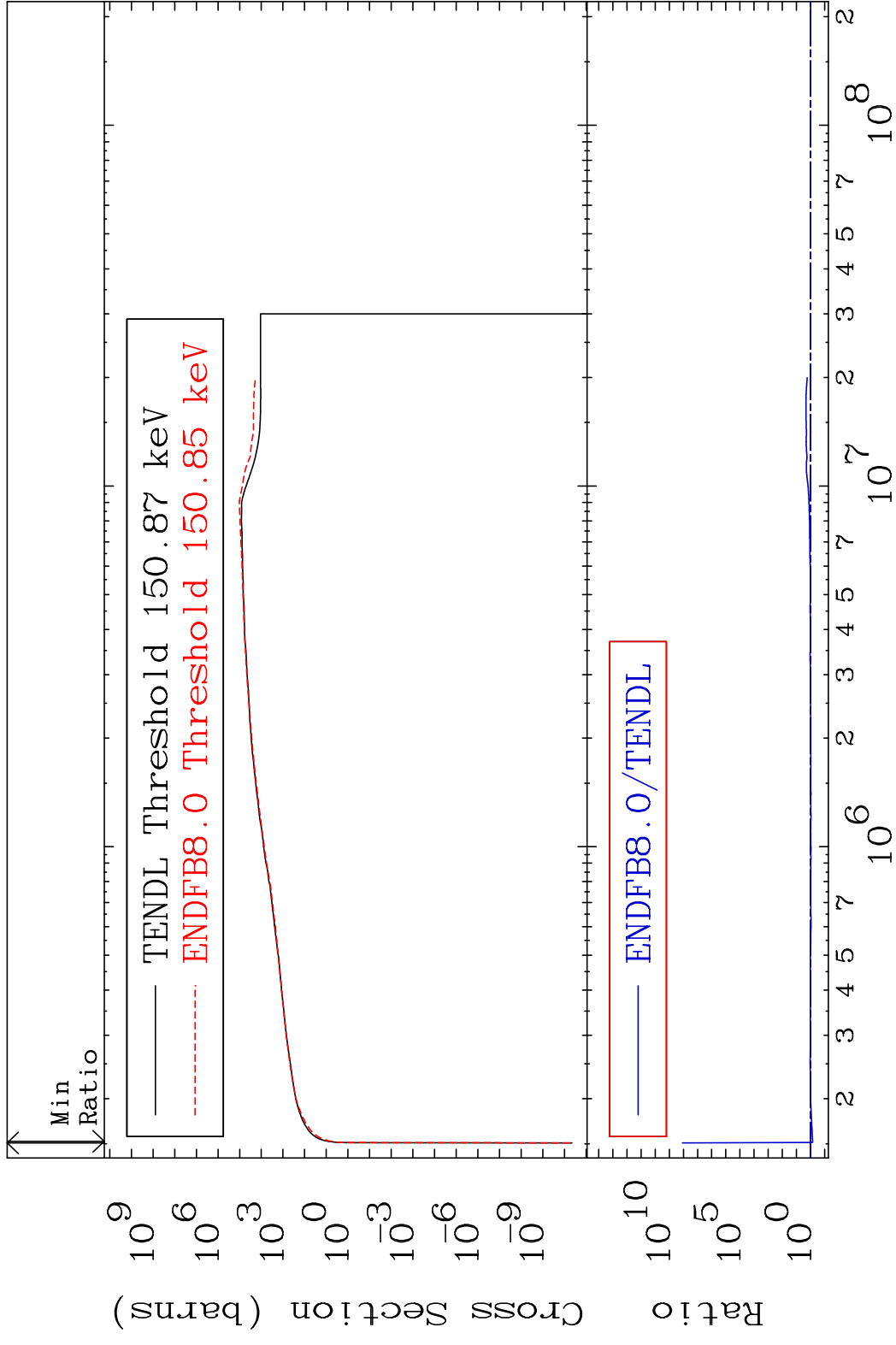


44

Incident Energy (eV)

53-I -131

MAT 5337 Dpa inelastic (mt51-91) 53-I -131  
 Cross Section -28.68 To 9999. %



MAT 5337 Dpa disappearance (mt102 -120) 53-I -131  
 Cross Section -99.83 To 9999. %

