

Program Complot  
(Version 2021-1)

by

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U.S.A.

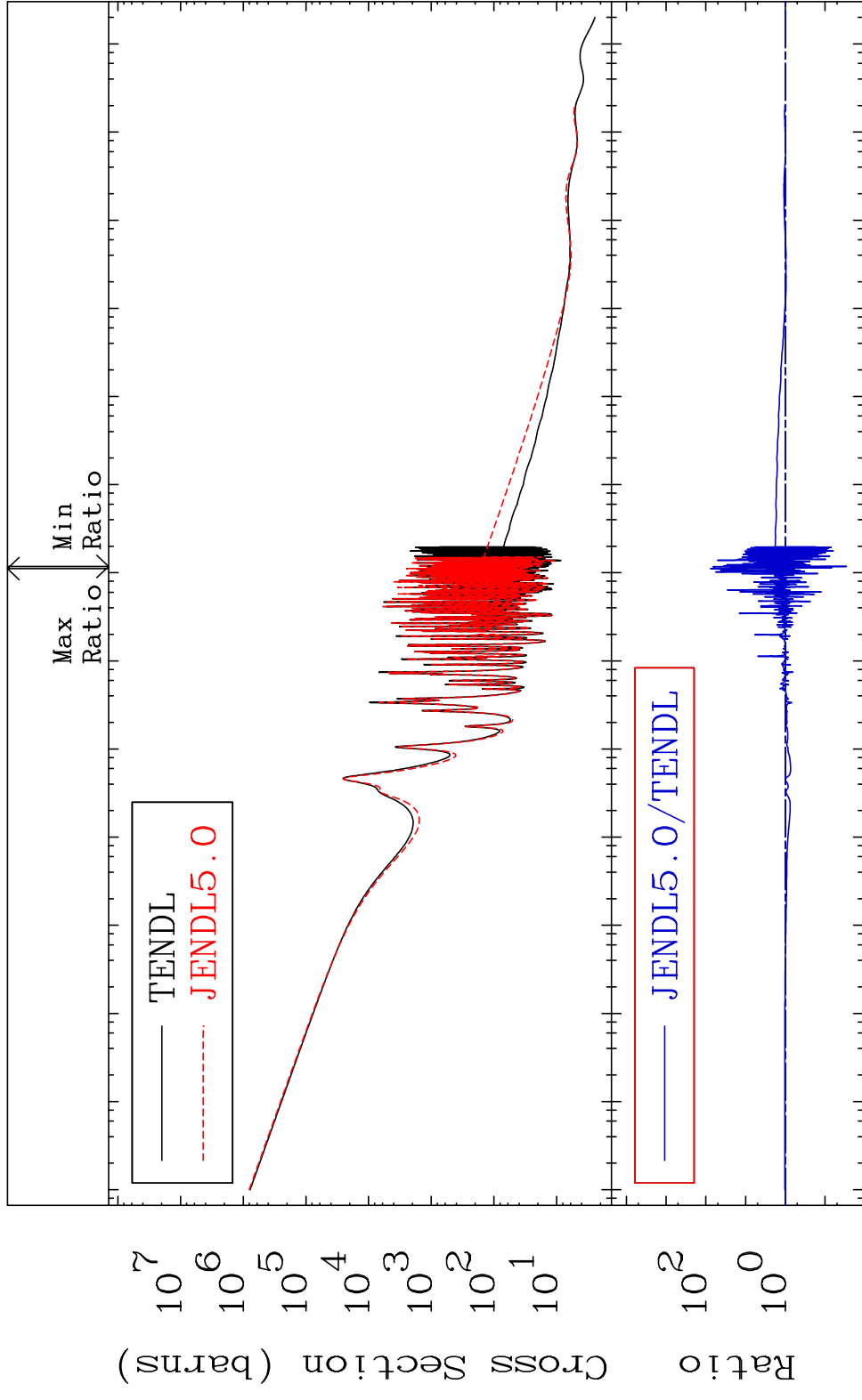
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6325

Total Cross Section -97.08 To 7448. %  
63-Eu-151



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>

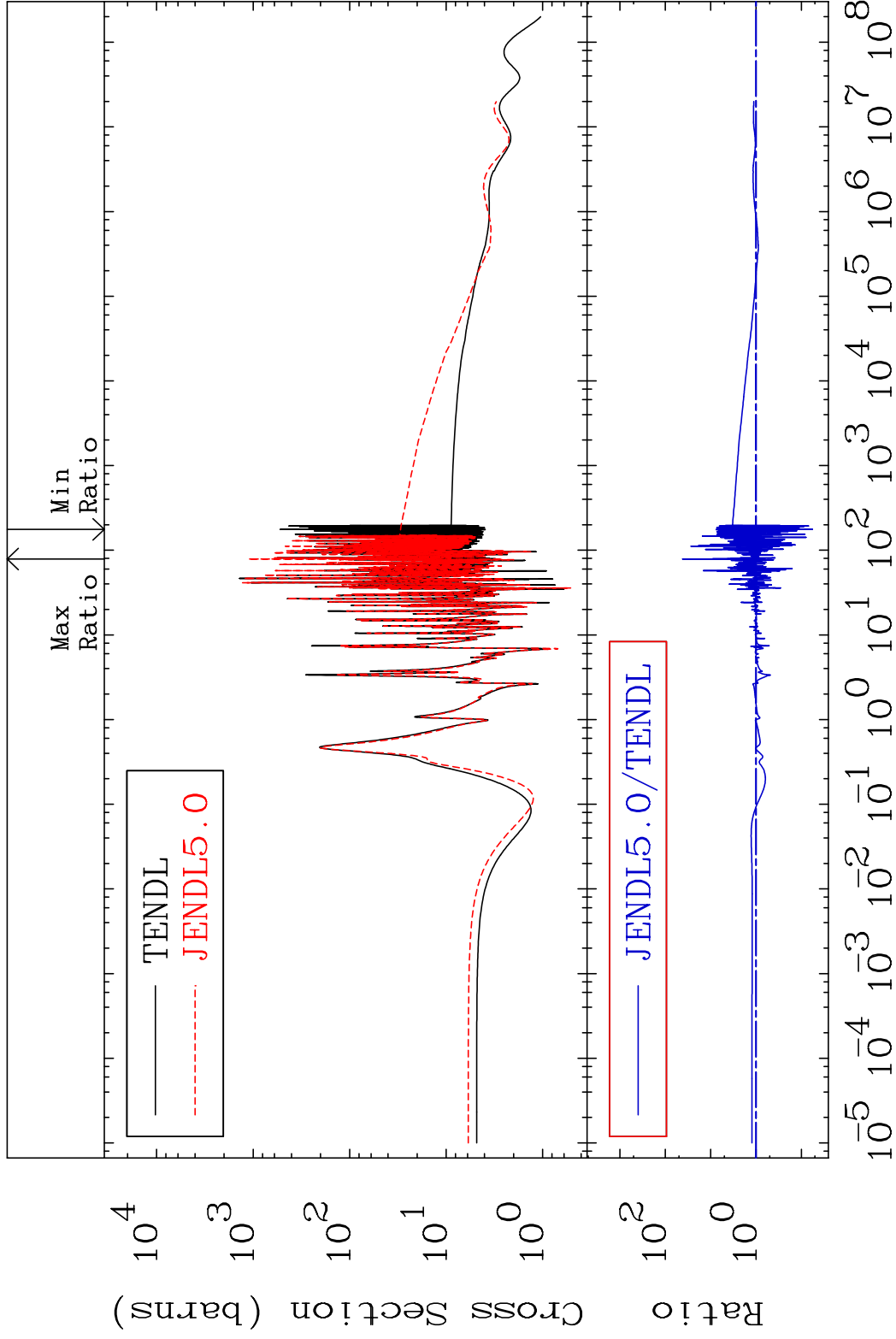
1 Incident Energy (eV) 63-Eu-151

MAT 6325

Elastic

63-Eu-151

Cross Section -94.34 To 4096. %

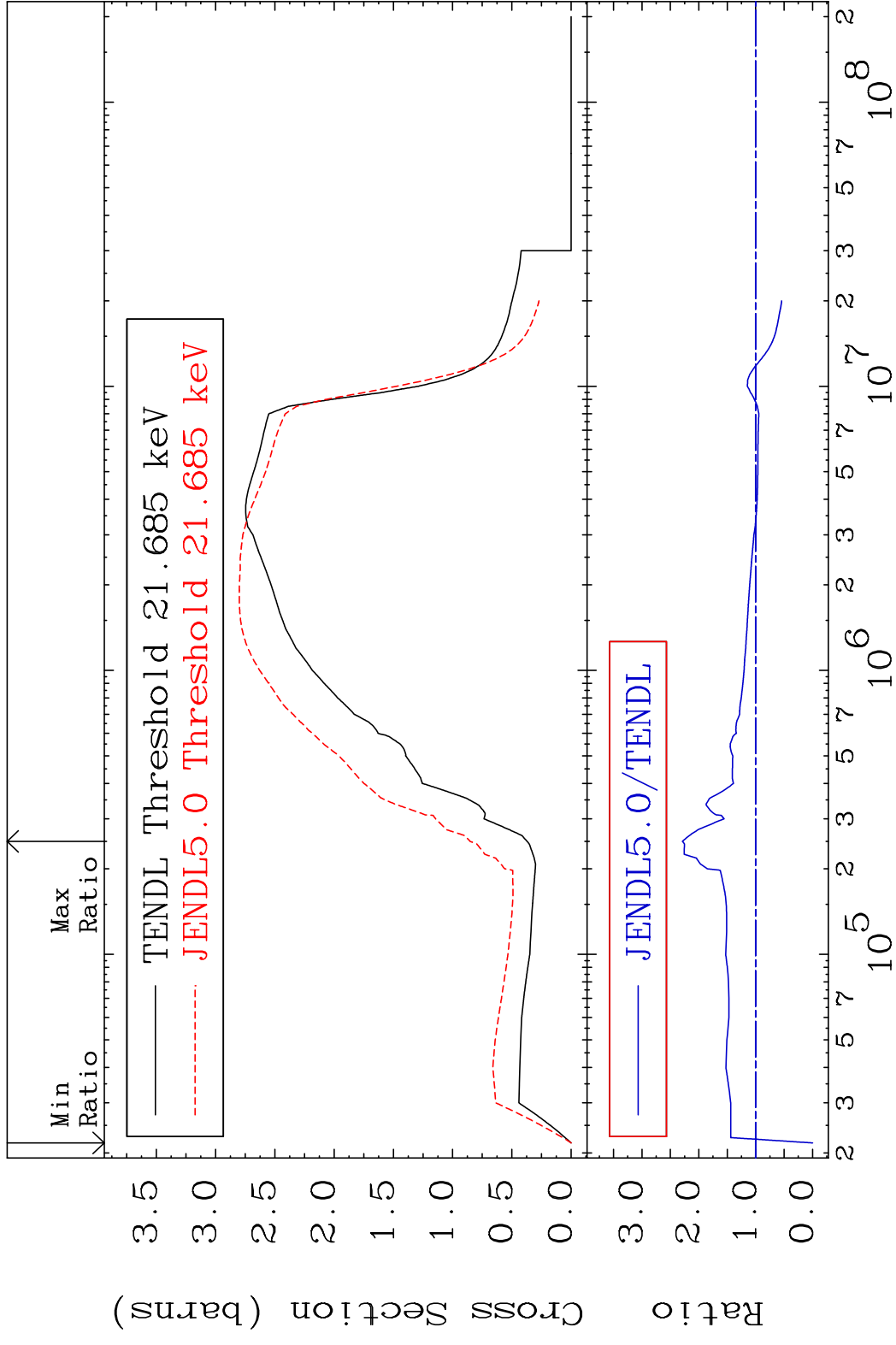


2

Incident Energy (eV)

63-Eu-151

MAT 6325 Inelastic 63-Eu-151  
 Cross Section -100.0 To 128.9 %

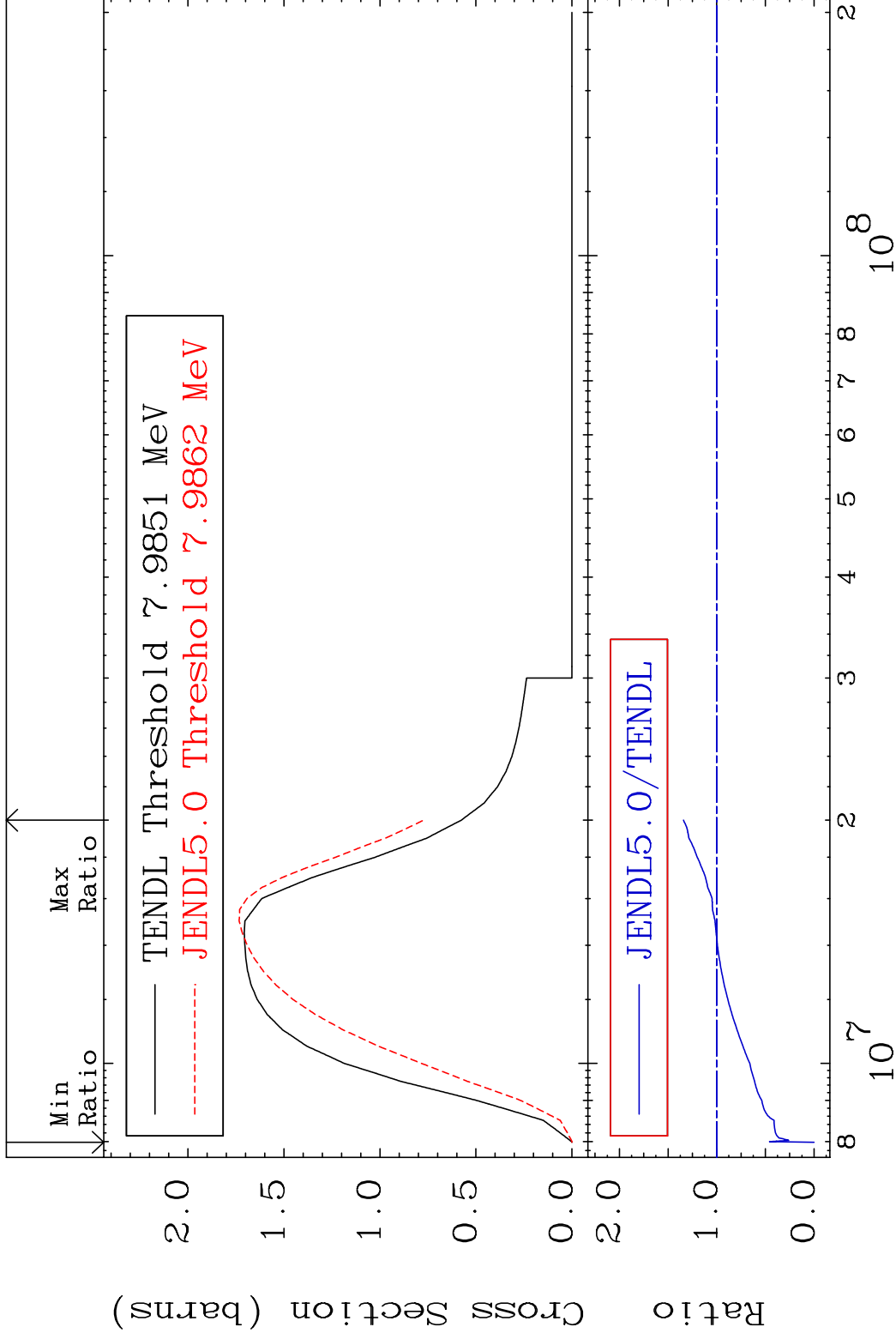


MAT 6325

(n,2n)

63-Eu-151

Cross Section -100.0 To 34.18 %

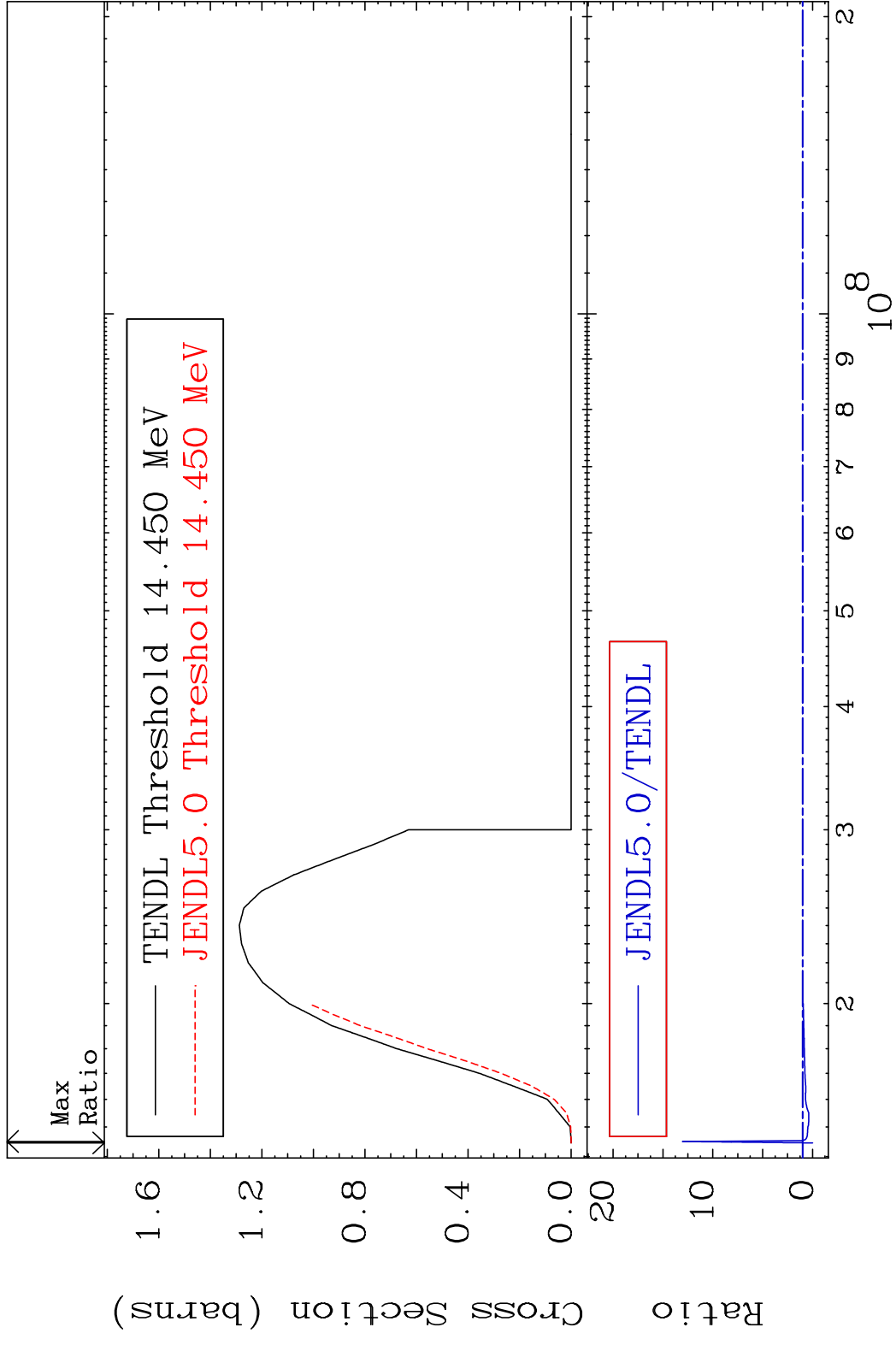


4

Incident Energy (eV)

63-Eu-151

MAT 6325 (n,3n) 63-Eu-151  
 Cross Section -100.0 To 1205. %



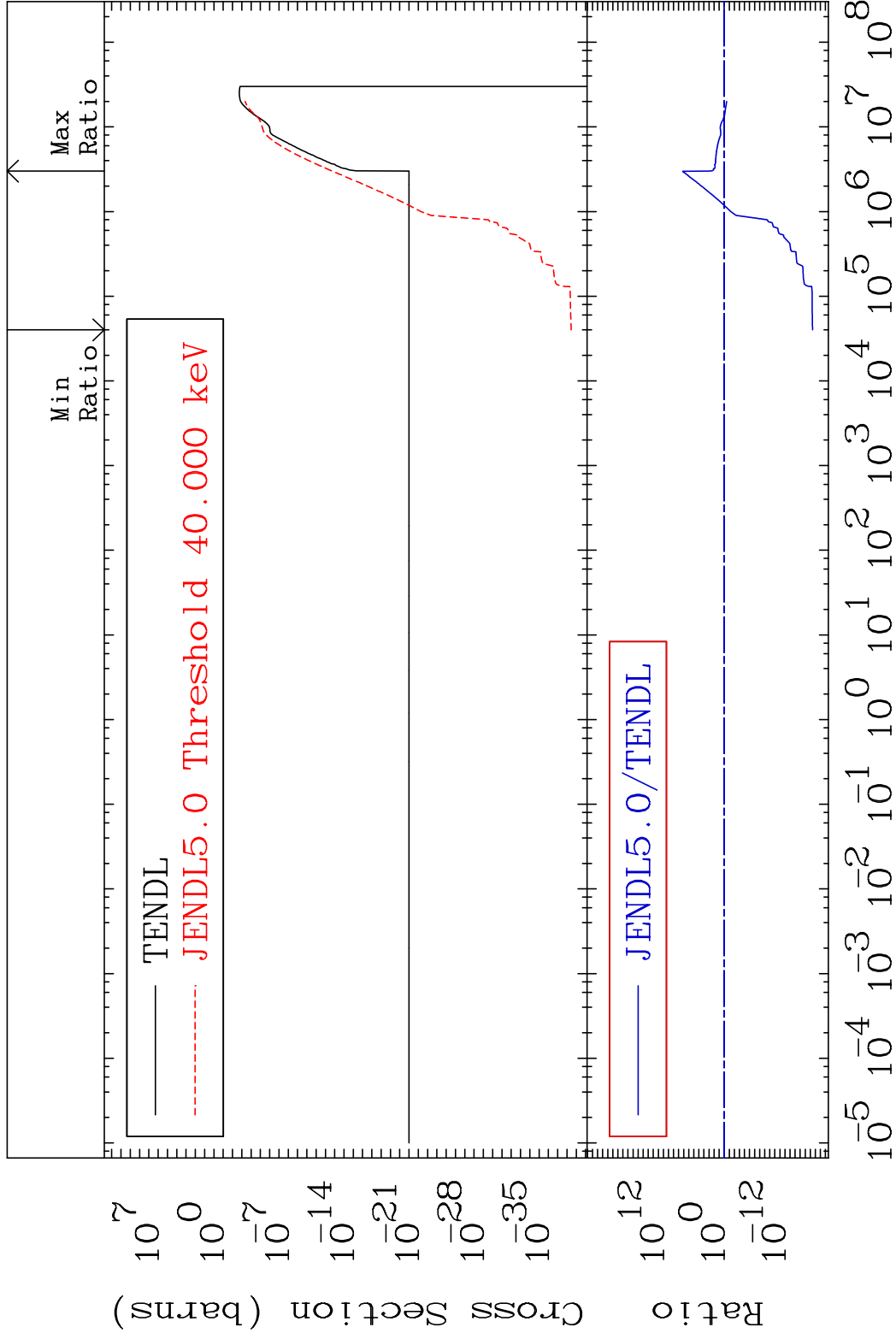
5 Incident Energy (eV) 63-Eu-151

MAT 6325

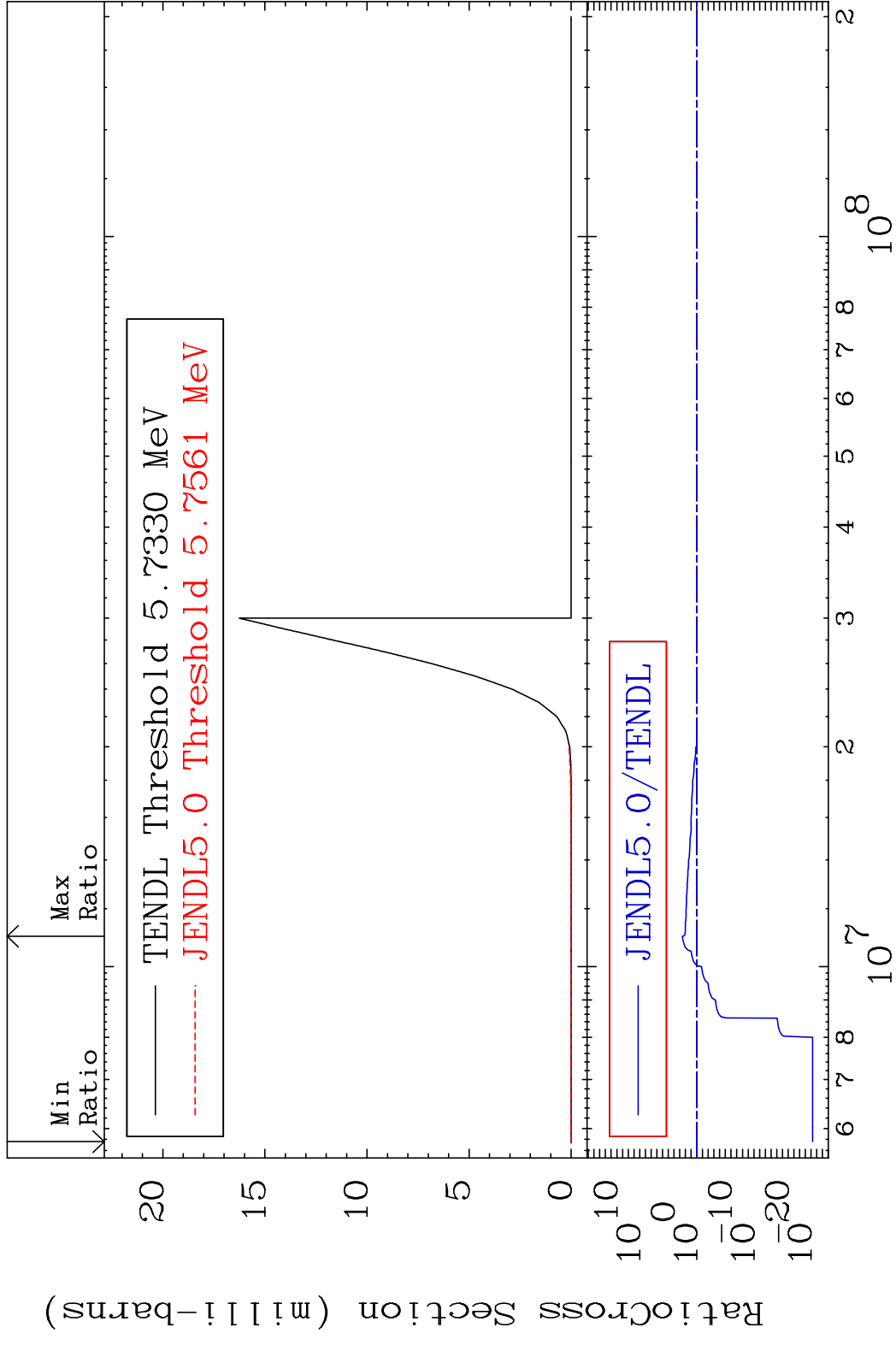
(n, n')  $\alpha$

63-Eu-151

Cross Section -100.0 To 9999. %

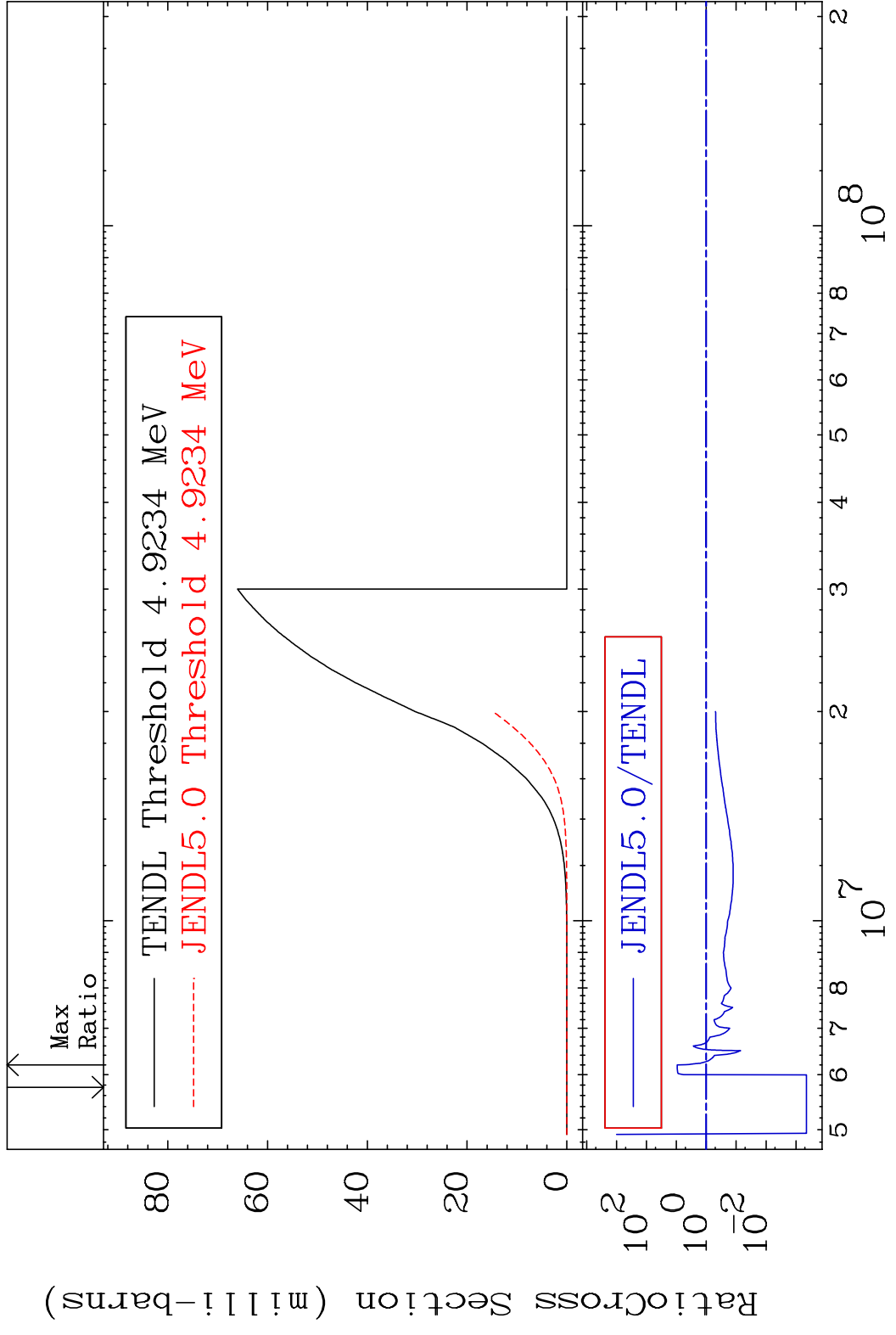


MAT 6325 (n,2n)  $\alpha$  63-Eu-151  
 Cross Section -100.0 To 9999. %





MAT 6325 (n, n') p 63-Eu-151  
 Cross Section -99.96 To 839.8 %

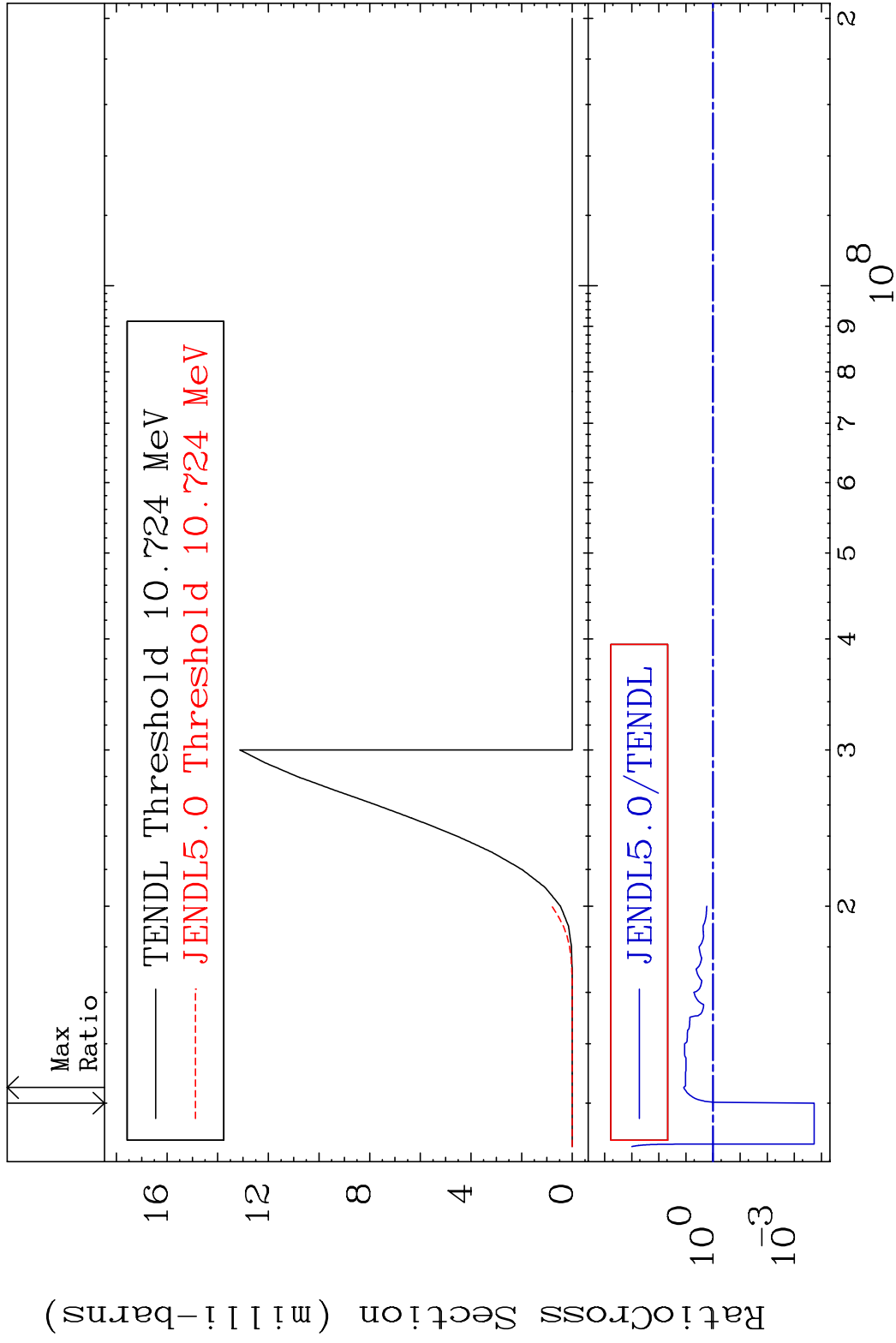


MAT 6325

(n, n') d

63-Eu-151

Cross Section -99.98 To 1115. %

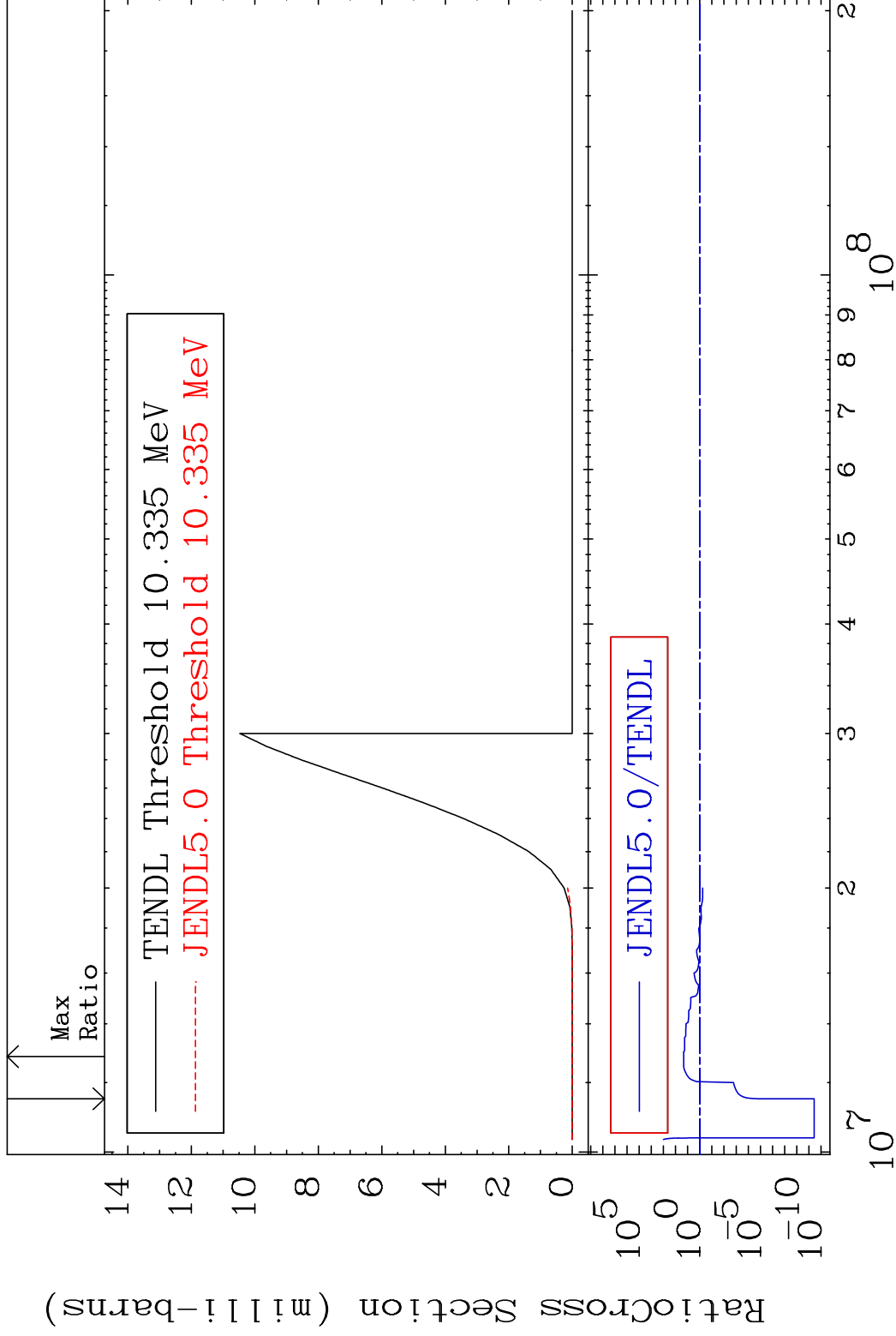


MAT 6325

(n, n') t

63-Eu-151

Cross Section -100.0 To 2045. %

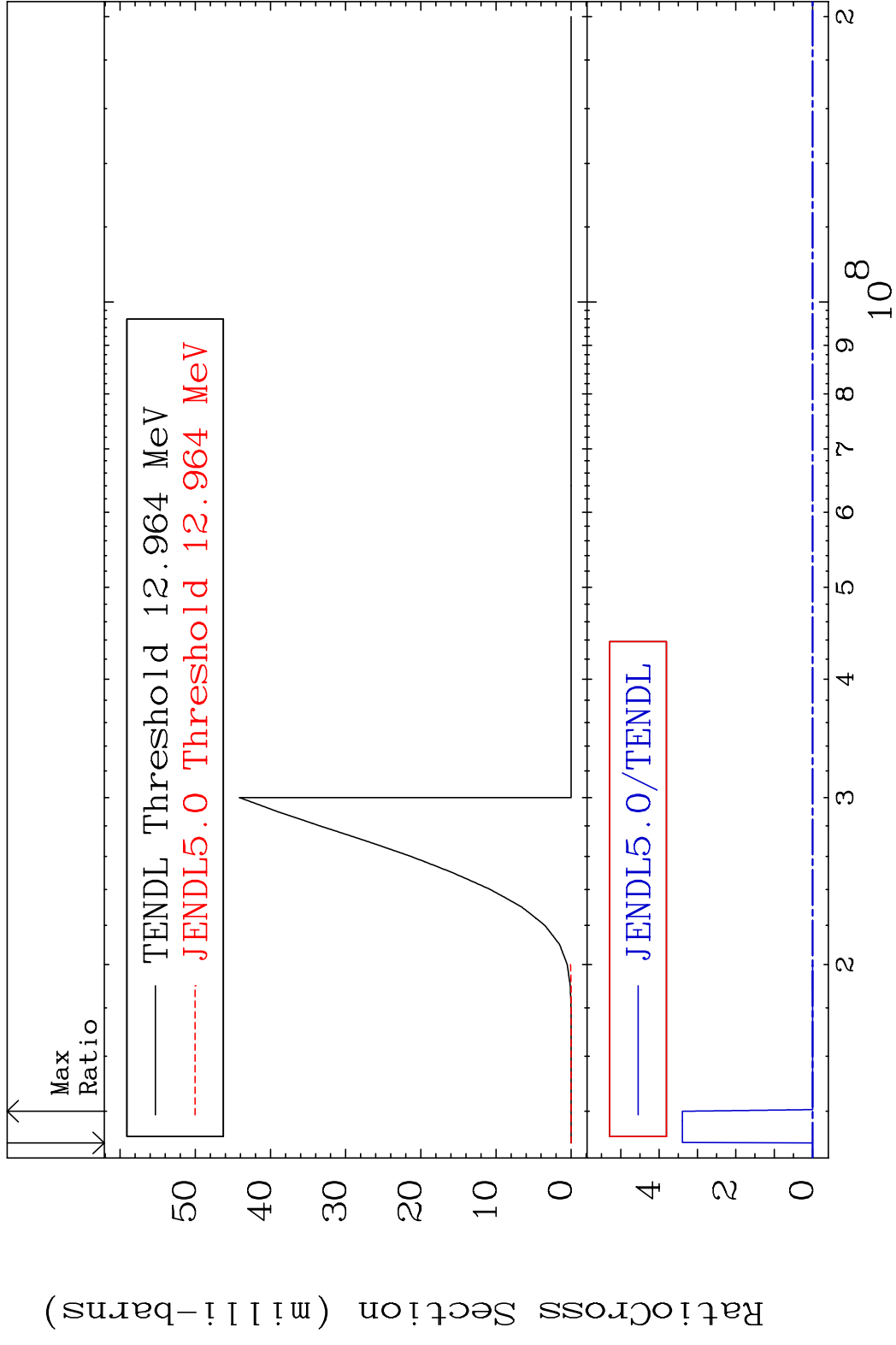


10

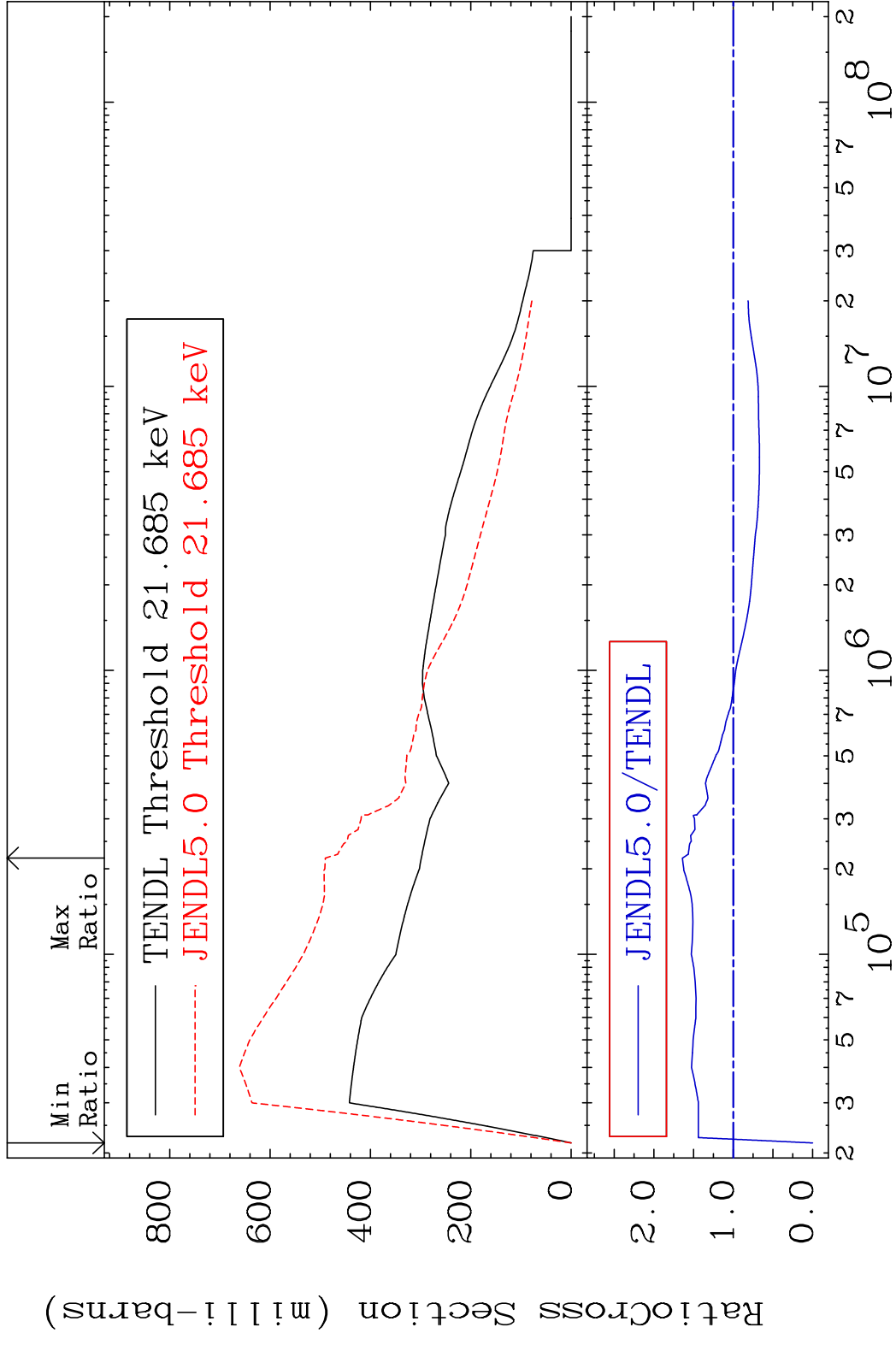
Incident Energy (eV)

63-Eu-151

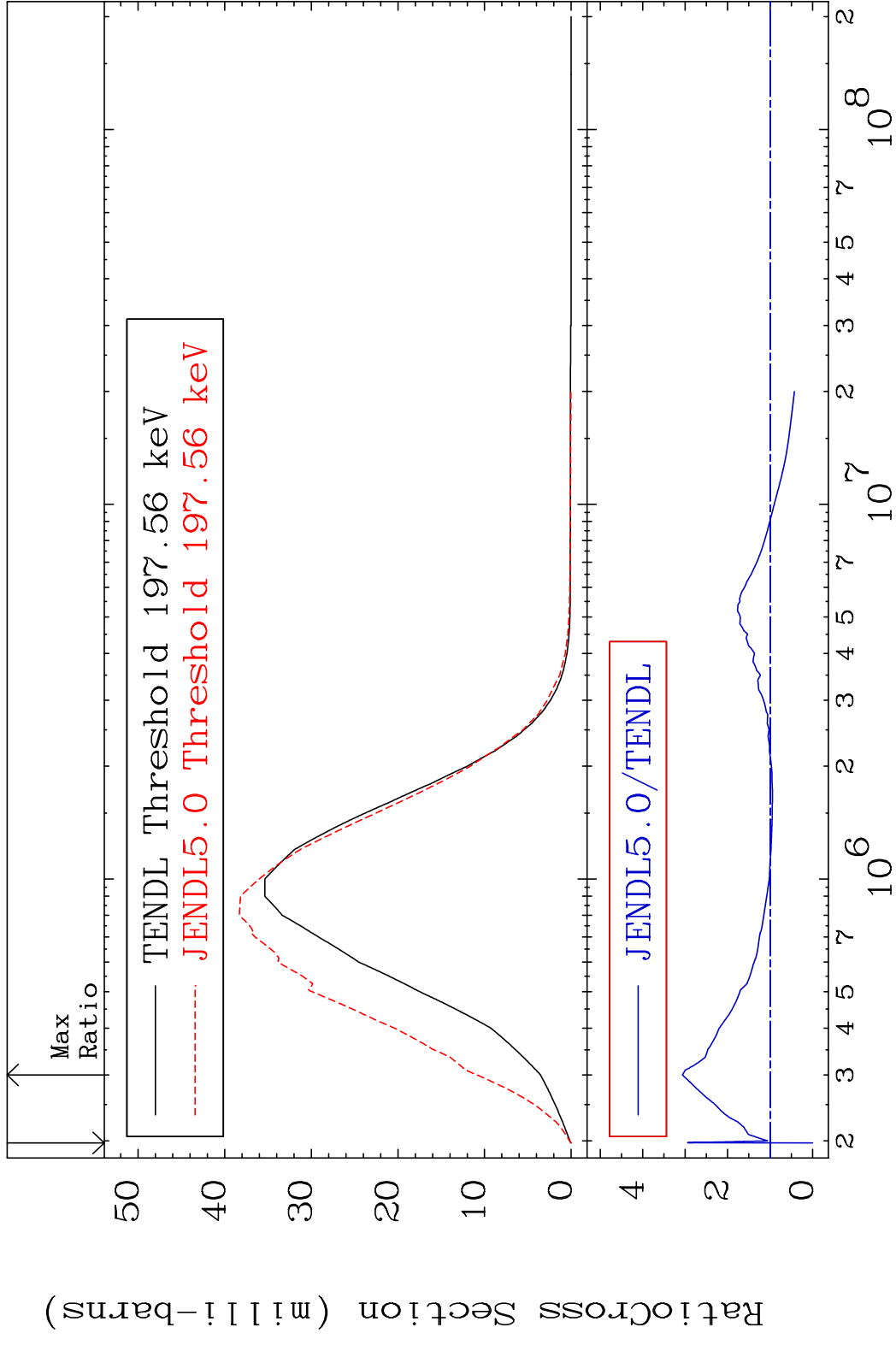
MAT 6325 (n,2n) p 63-Eu-151  
 Cross Section -100.0 To 9999. %



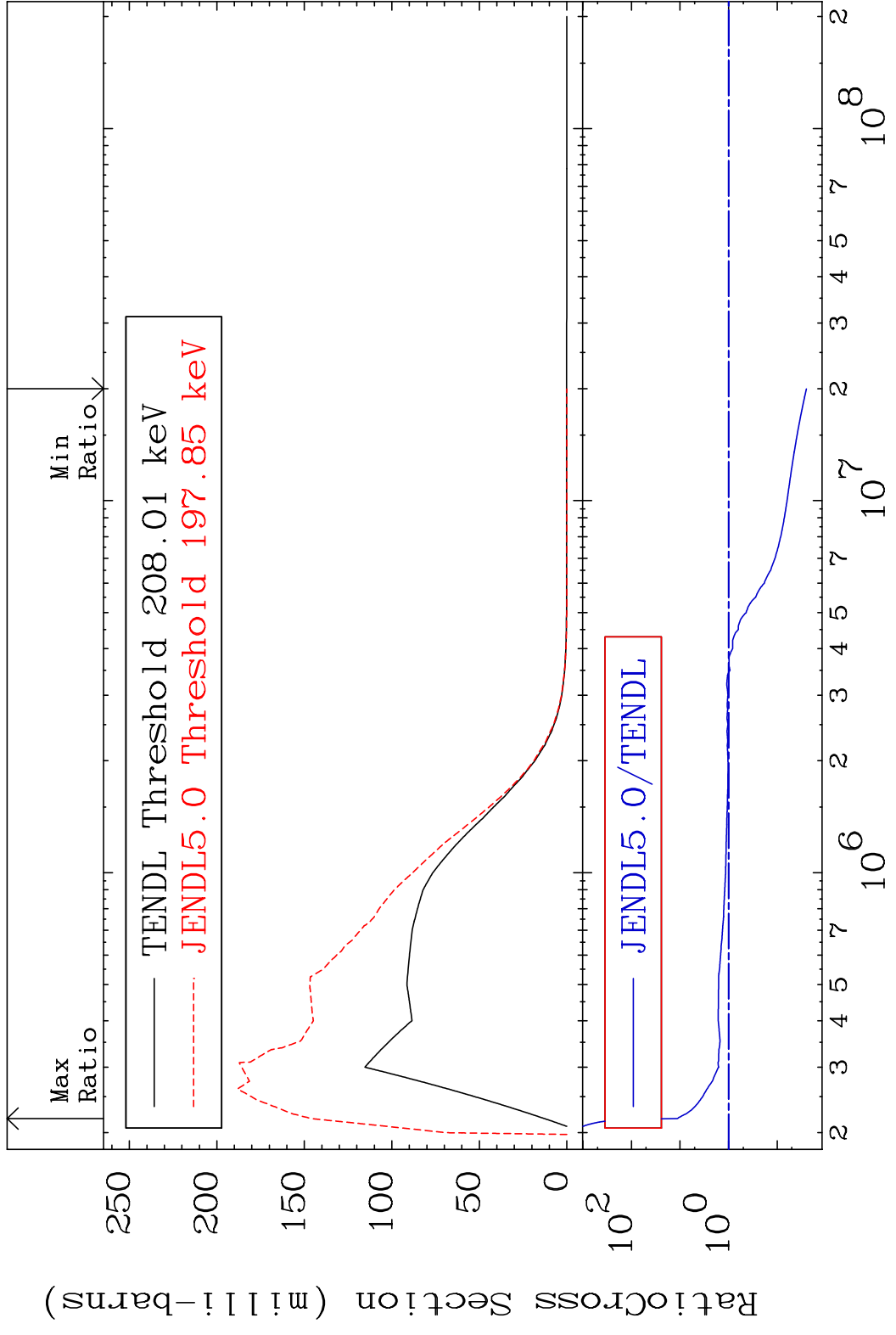
MAT 6325 MT= 51 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 64.11 %



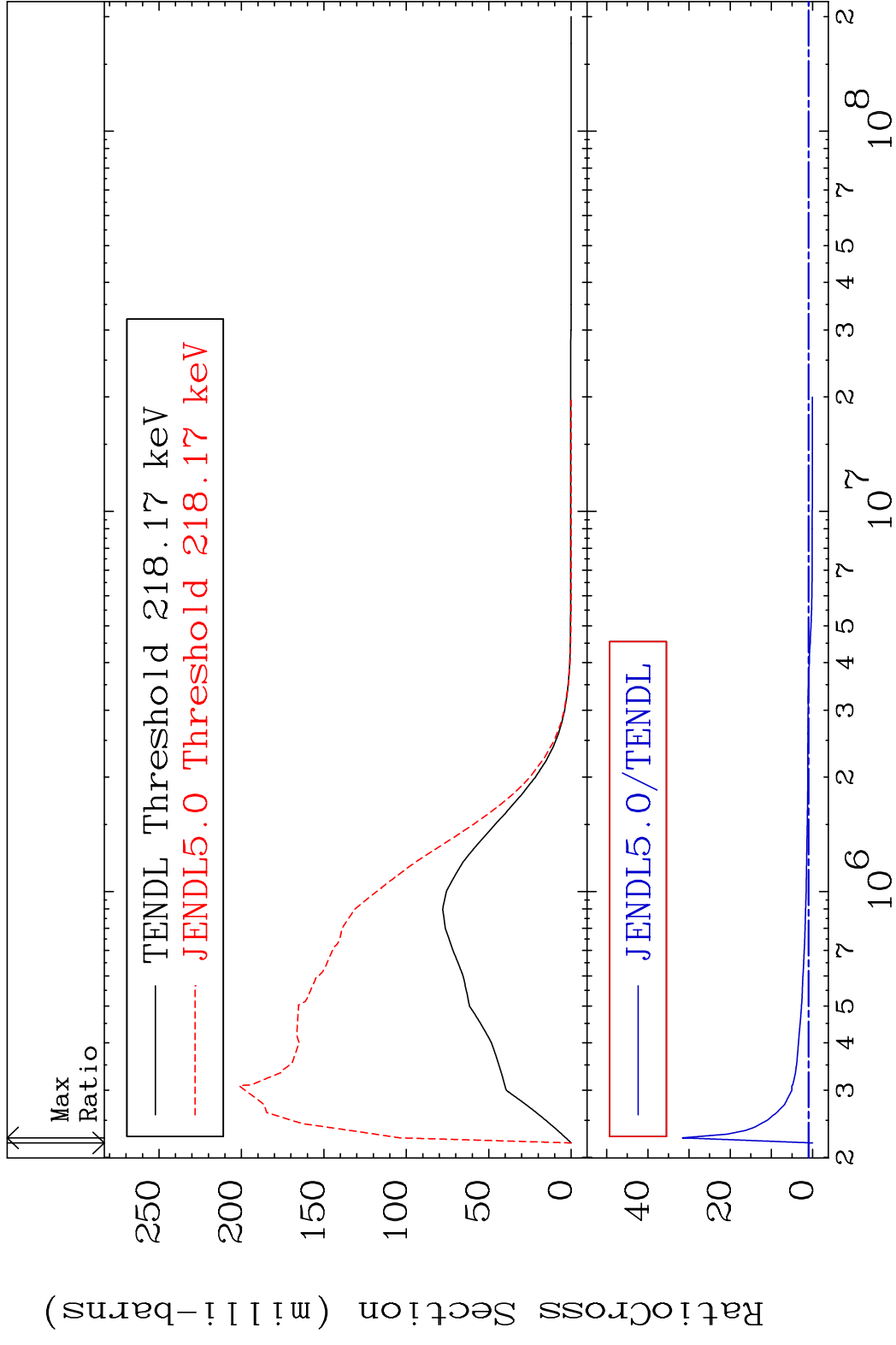
MAT 6325 MT= 52 (n, n') Level 63-Eu-151  
 Cross Section -100.0 To 206.6 %



MAT 6325 MT= 53 (n, n') Level 63-Eu-151  
 Cross Section -97.50 To 1045. %

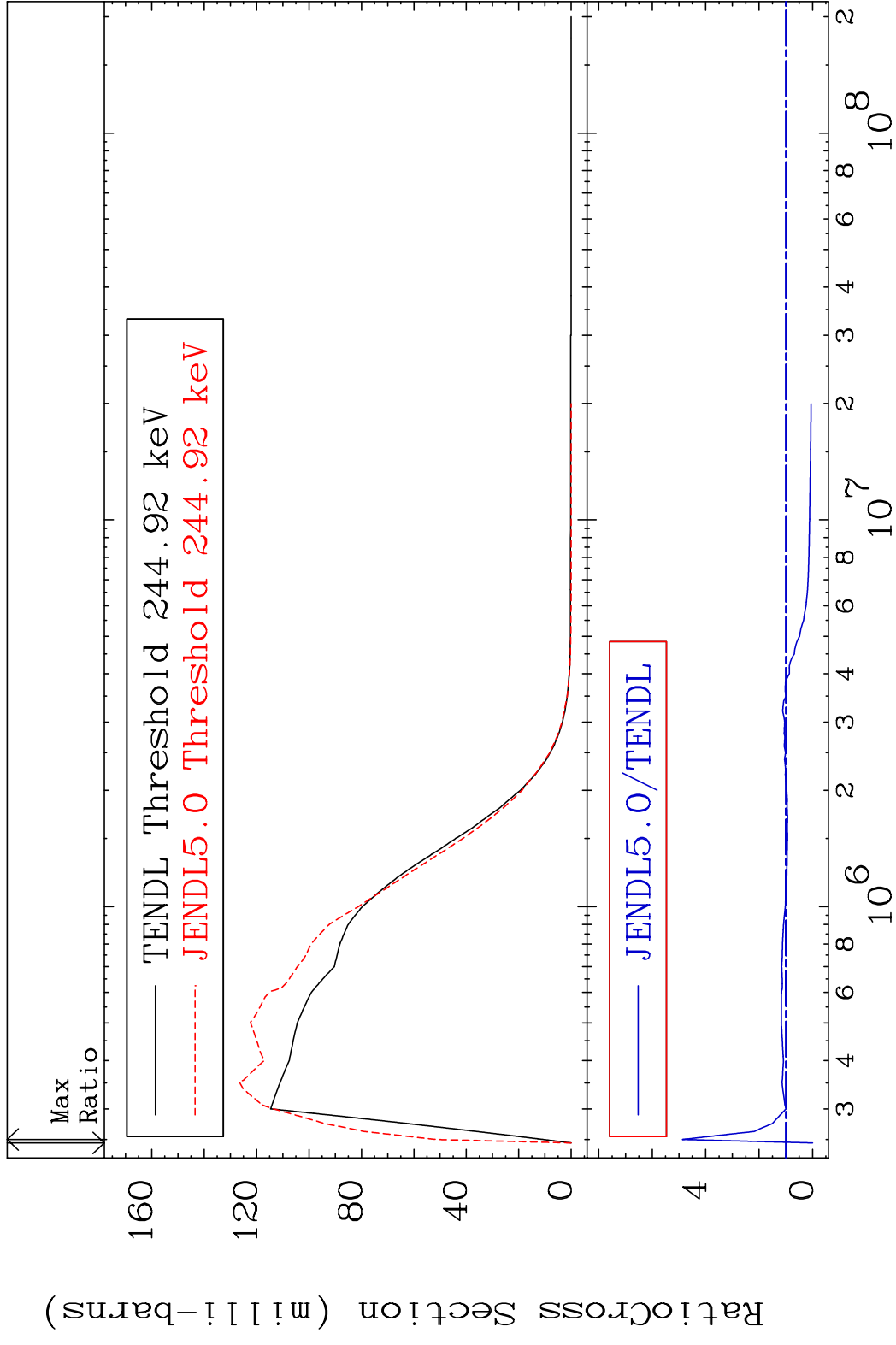


MAT 6325 MT= 54 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 3062. %

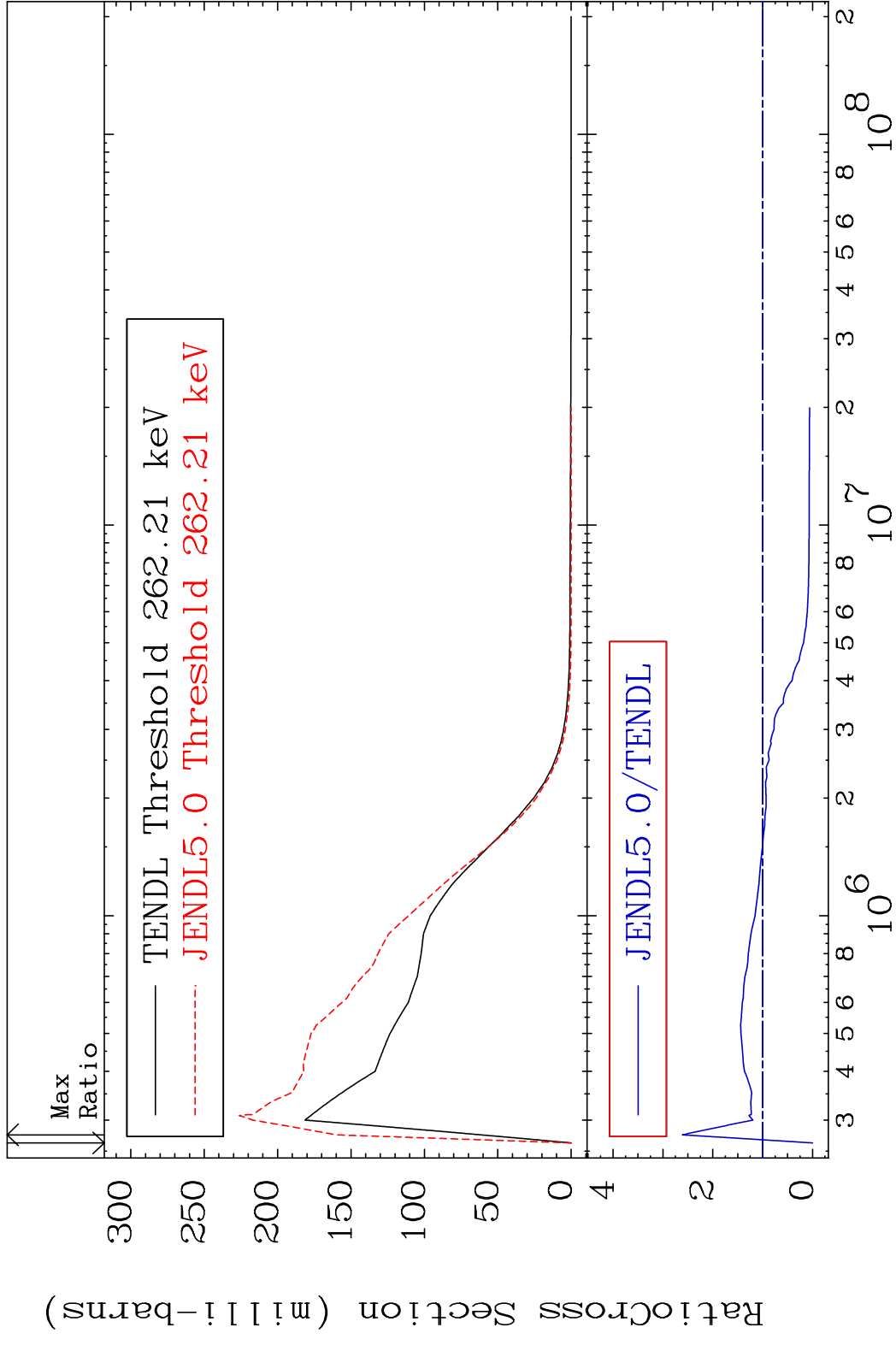




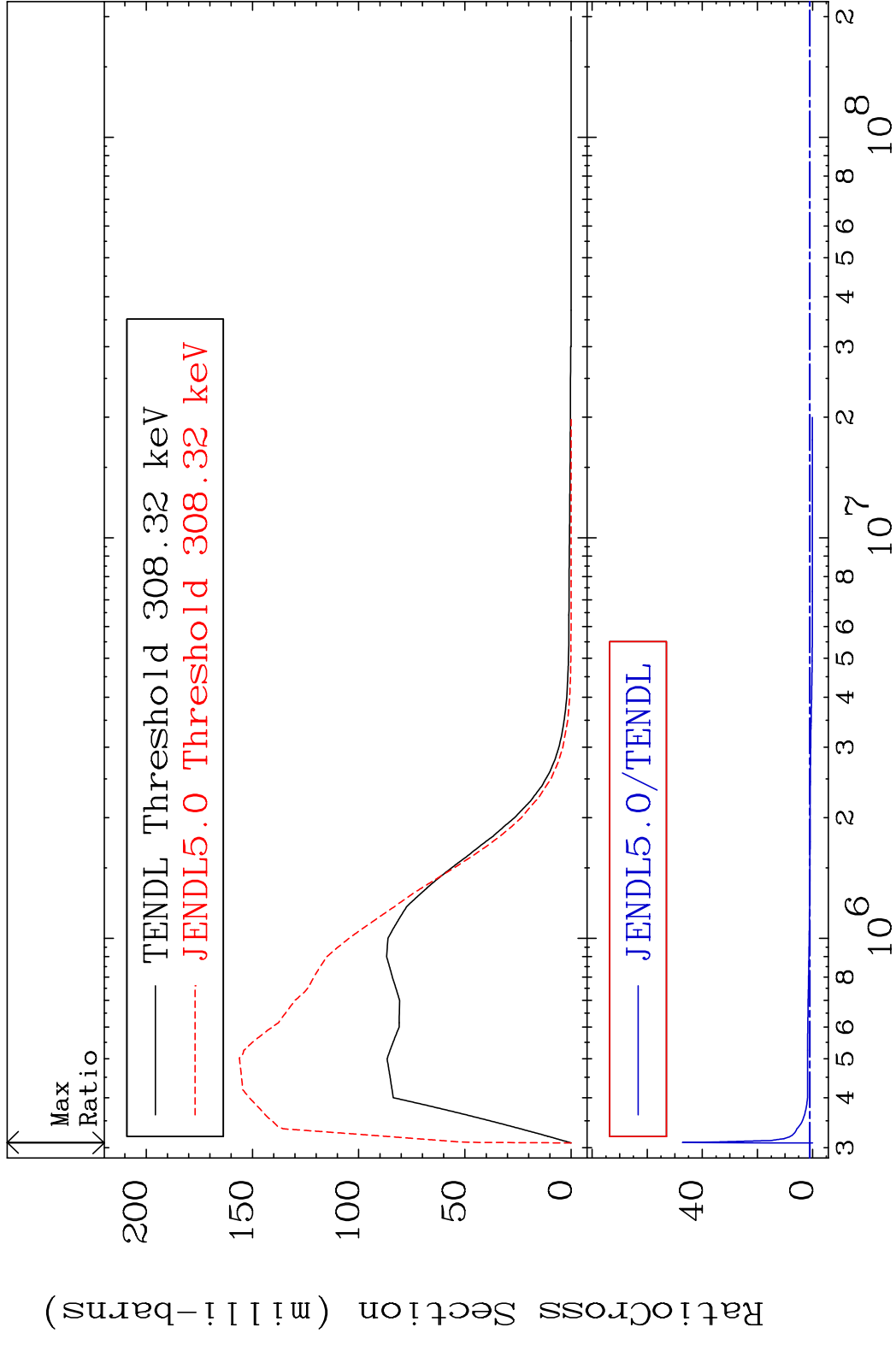
MAT 6325 MT= 55 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 387.2 %



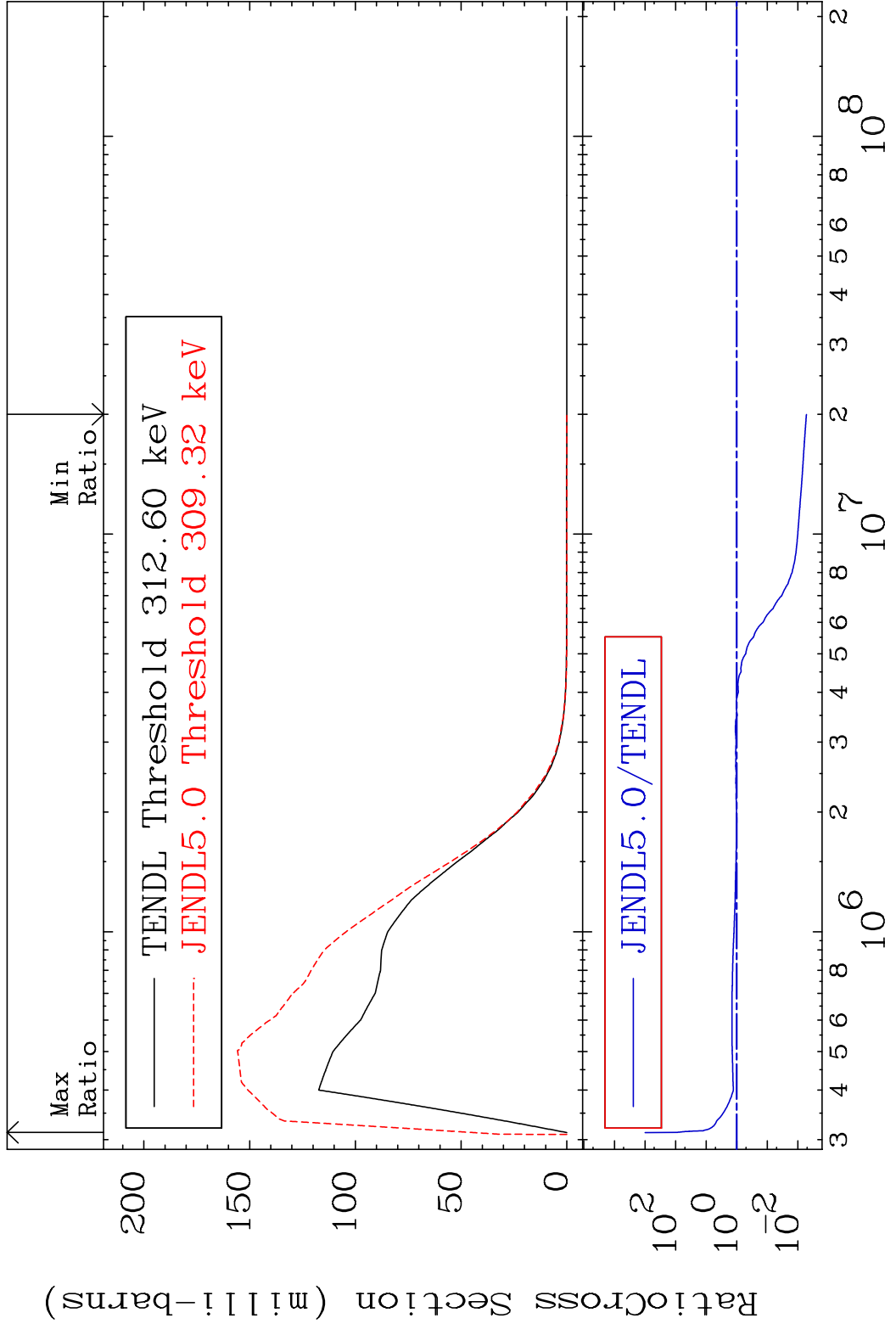
MAT 6325 MT= 56 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 161.0 %



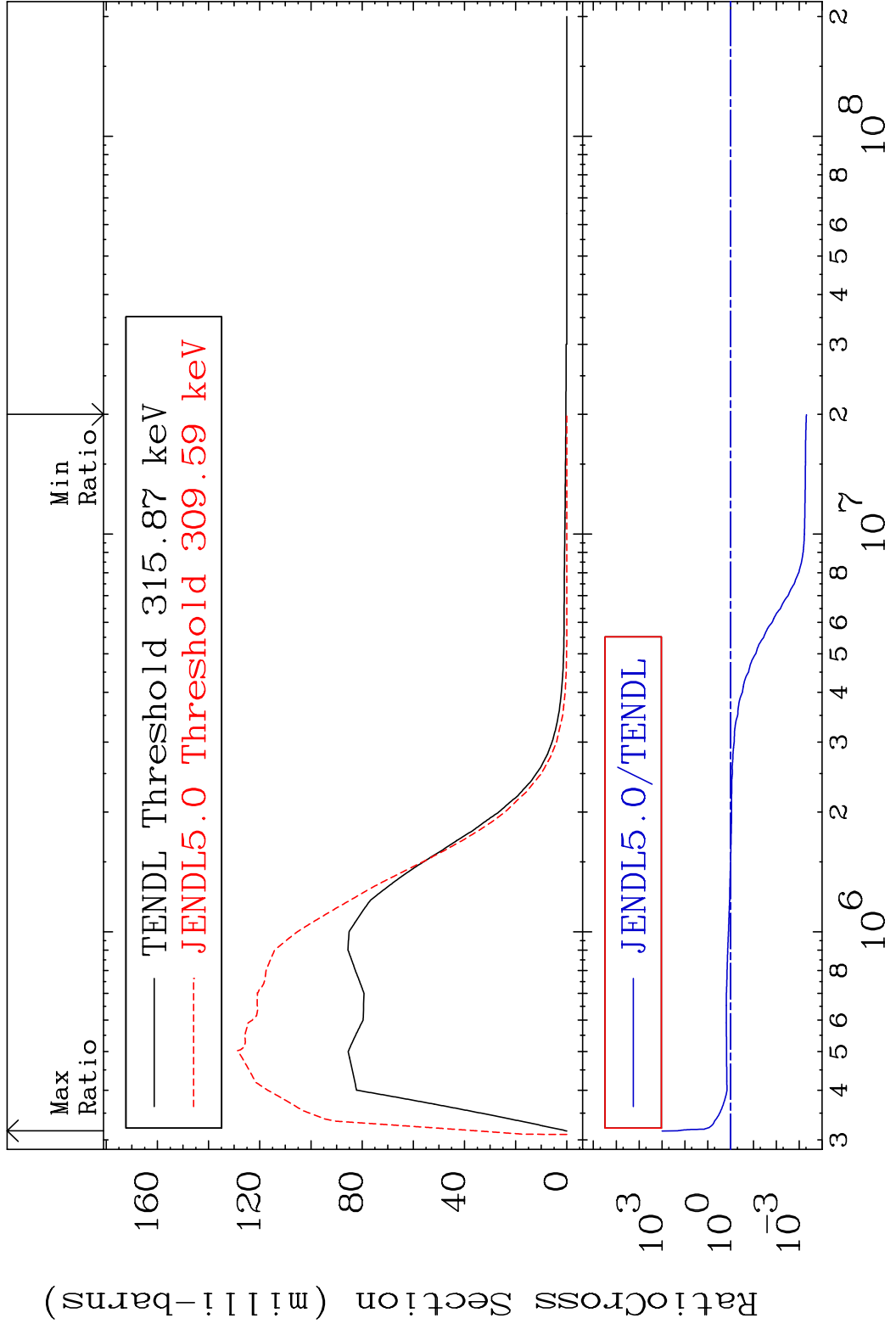
MAT 6325 MT= 57 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 4625. %



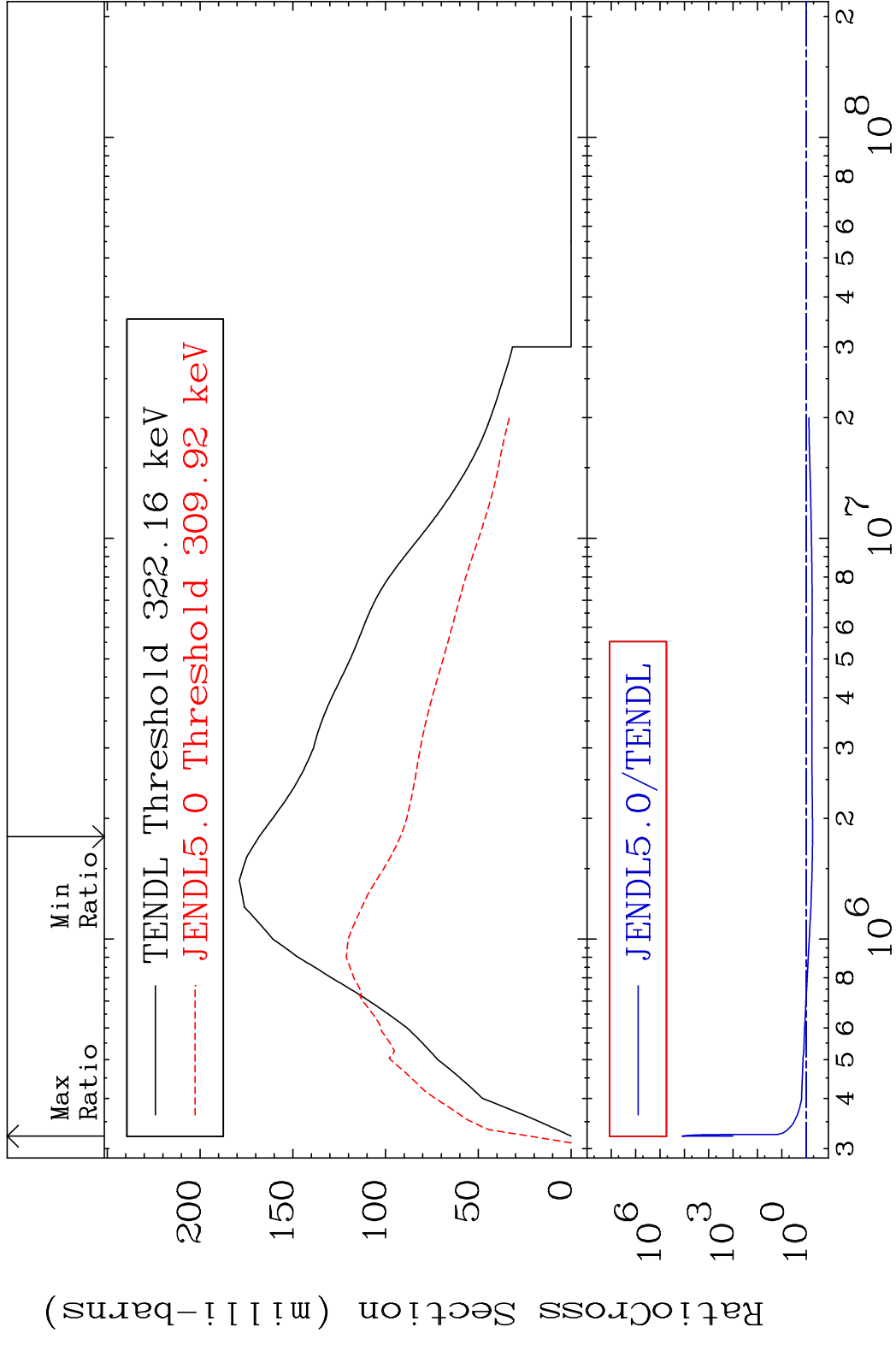
MAT 6325 MT= 58 (n,n') Level 63-Eu-151  
 Cross Section -99.47 To 8775. %



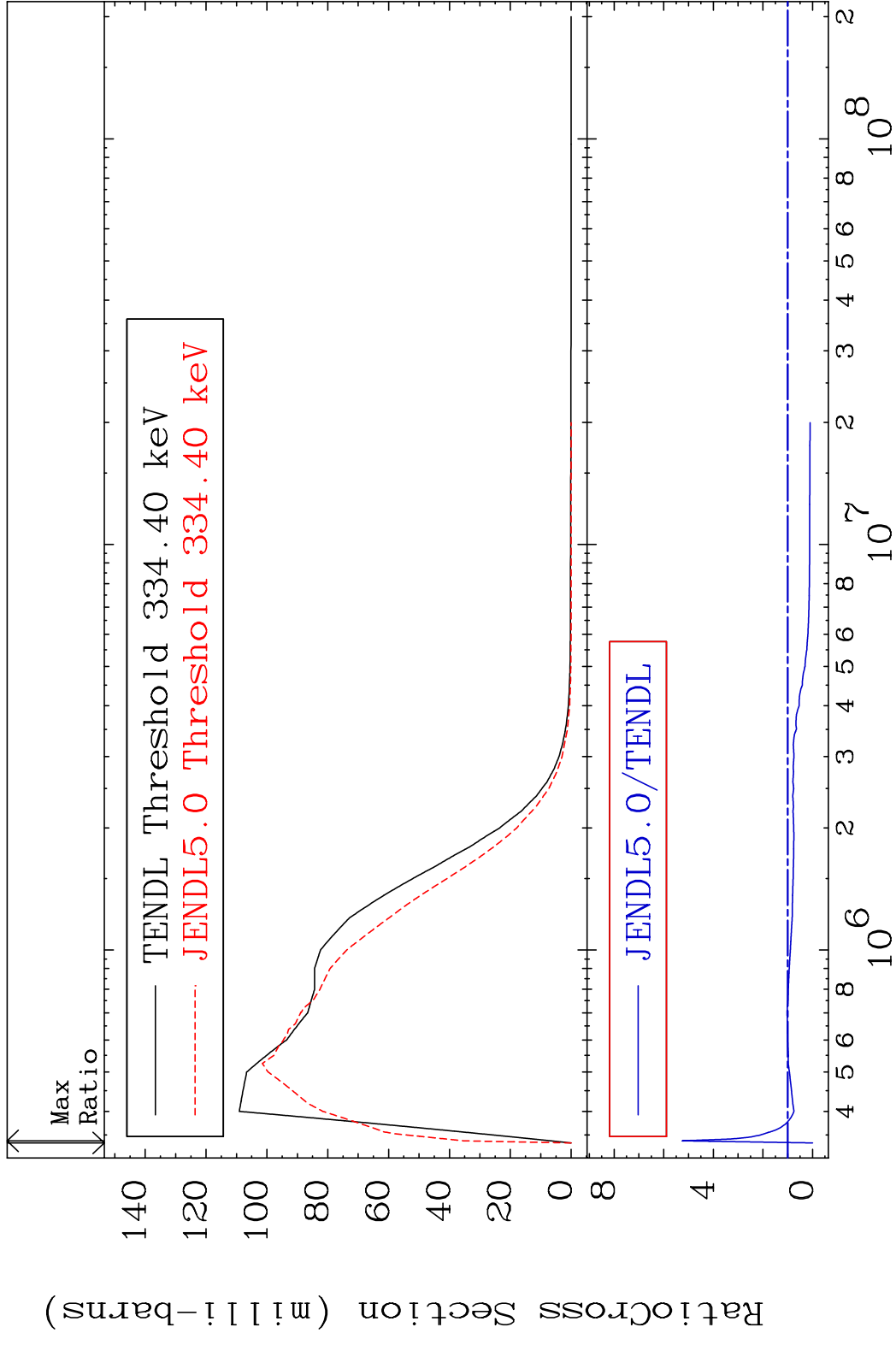
MAT 6325 MT= 59 (n,n') Level 63-Eu-151  
 Cross Section -99.95 To 9999. %



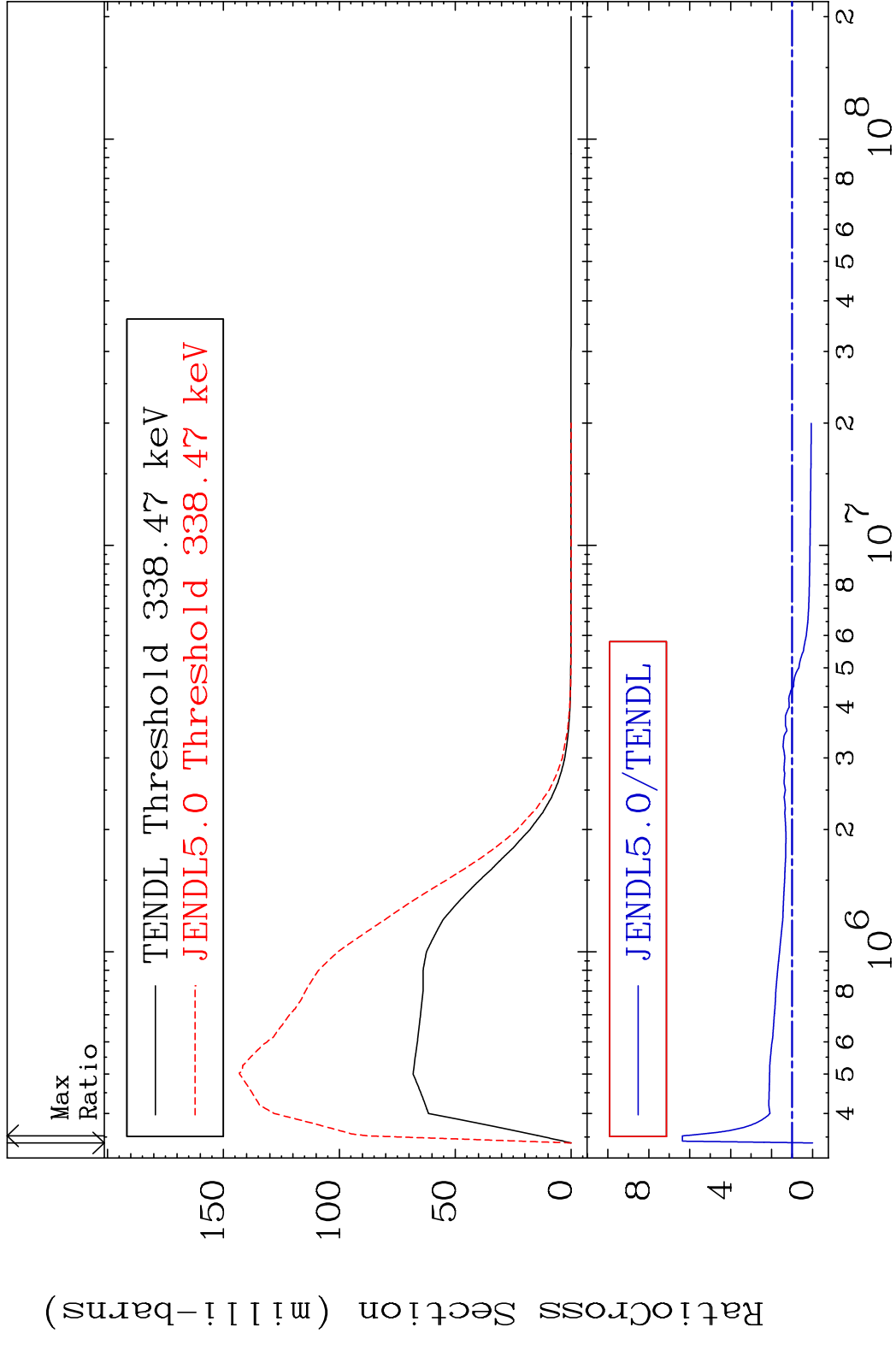
MAT 6325 MT= 60 (n, n') Level 63-Eu-151  
 Cross Section -45.23 To 9999. %



MAT 6325 MT= 61 (n, n') Level 63-Eu-151  
 Cross Section -100.0 To 424.9 %

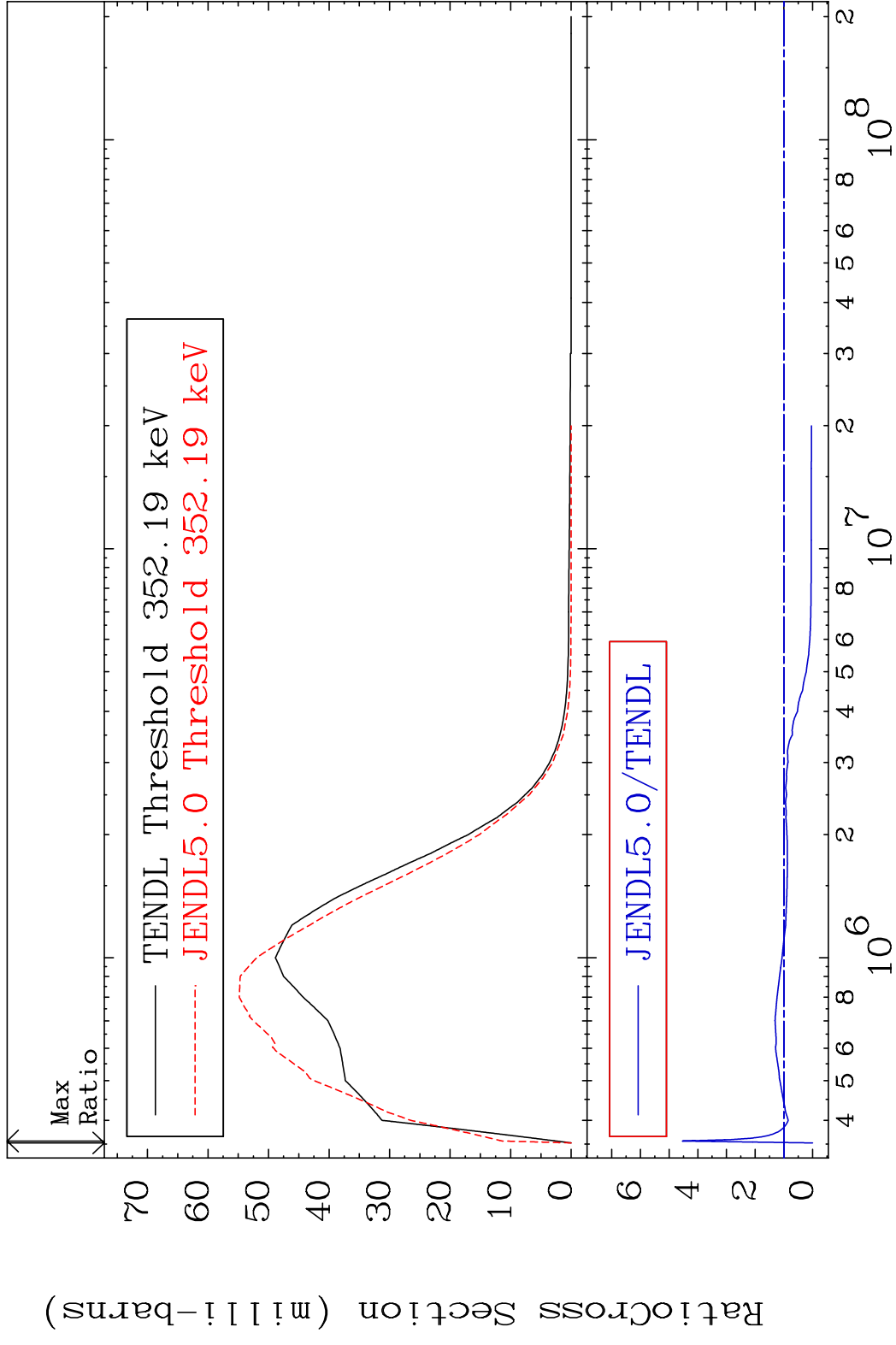


MAT 6325 MT= 62 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 536.0 %

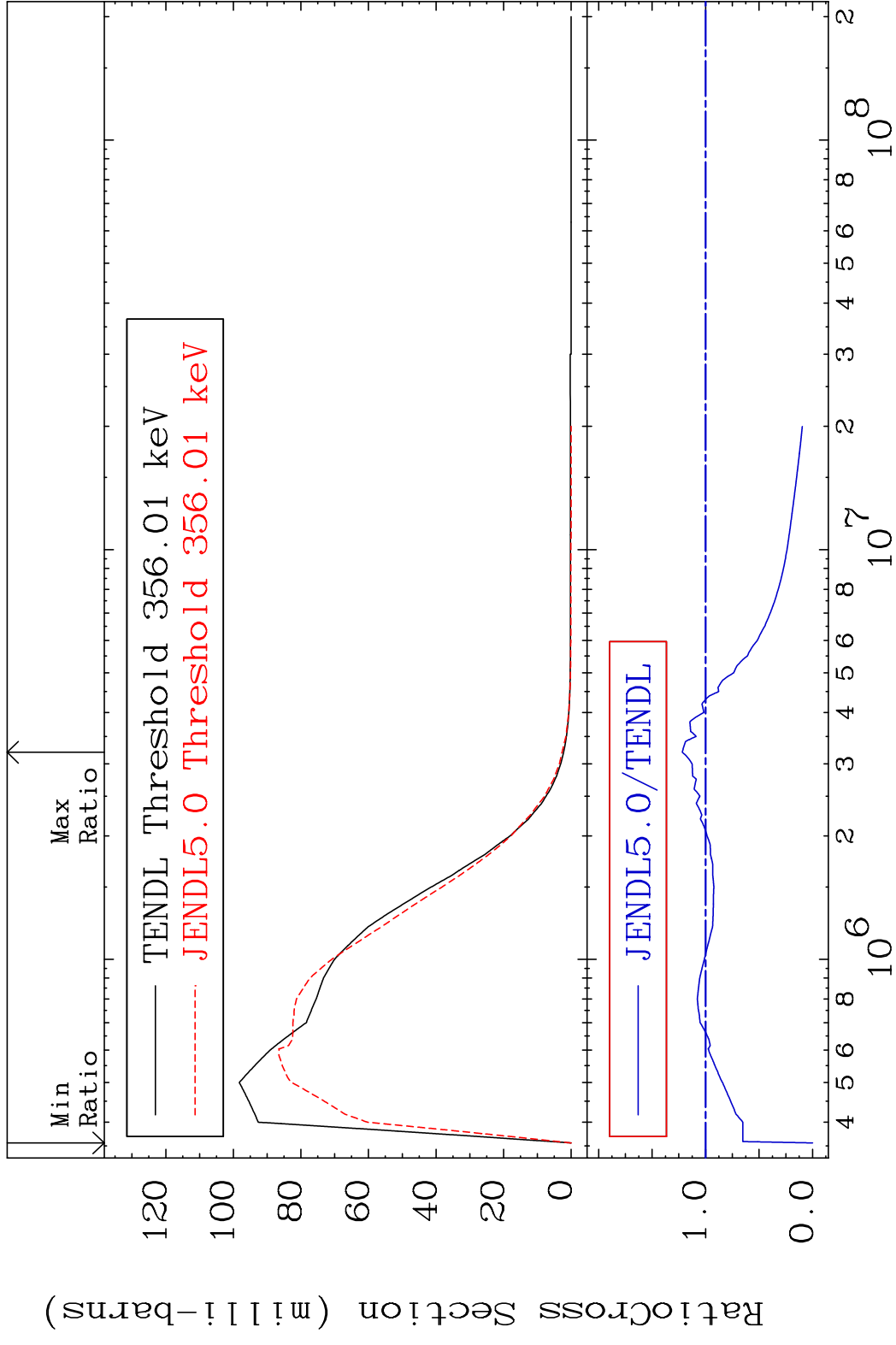




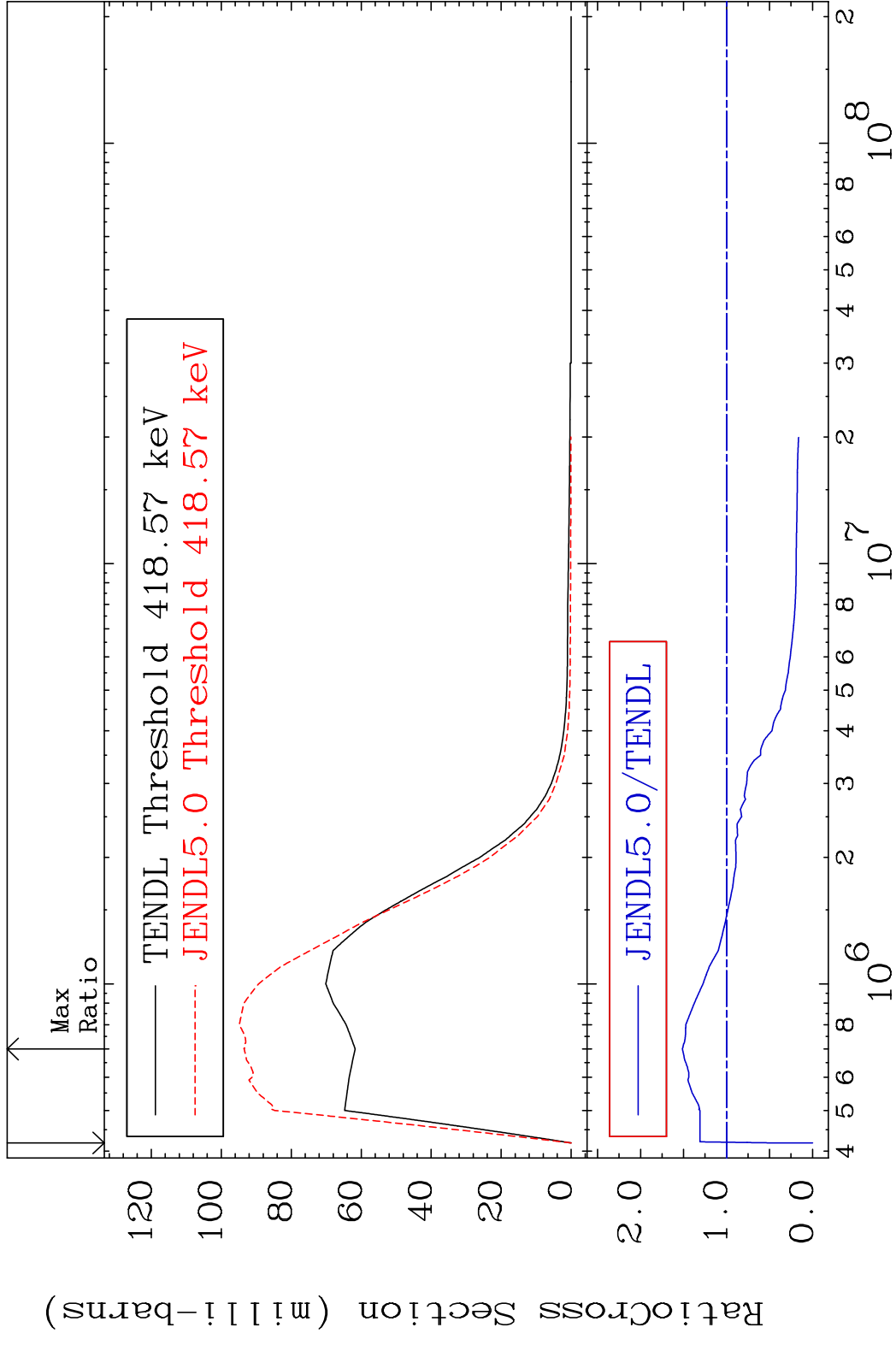
MAT 6325 MT= 63 (n, n') Level 63-Eu-151  
 Cross Section -100.0 To 353.8 %



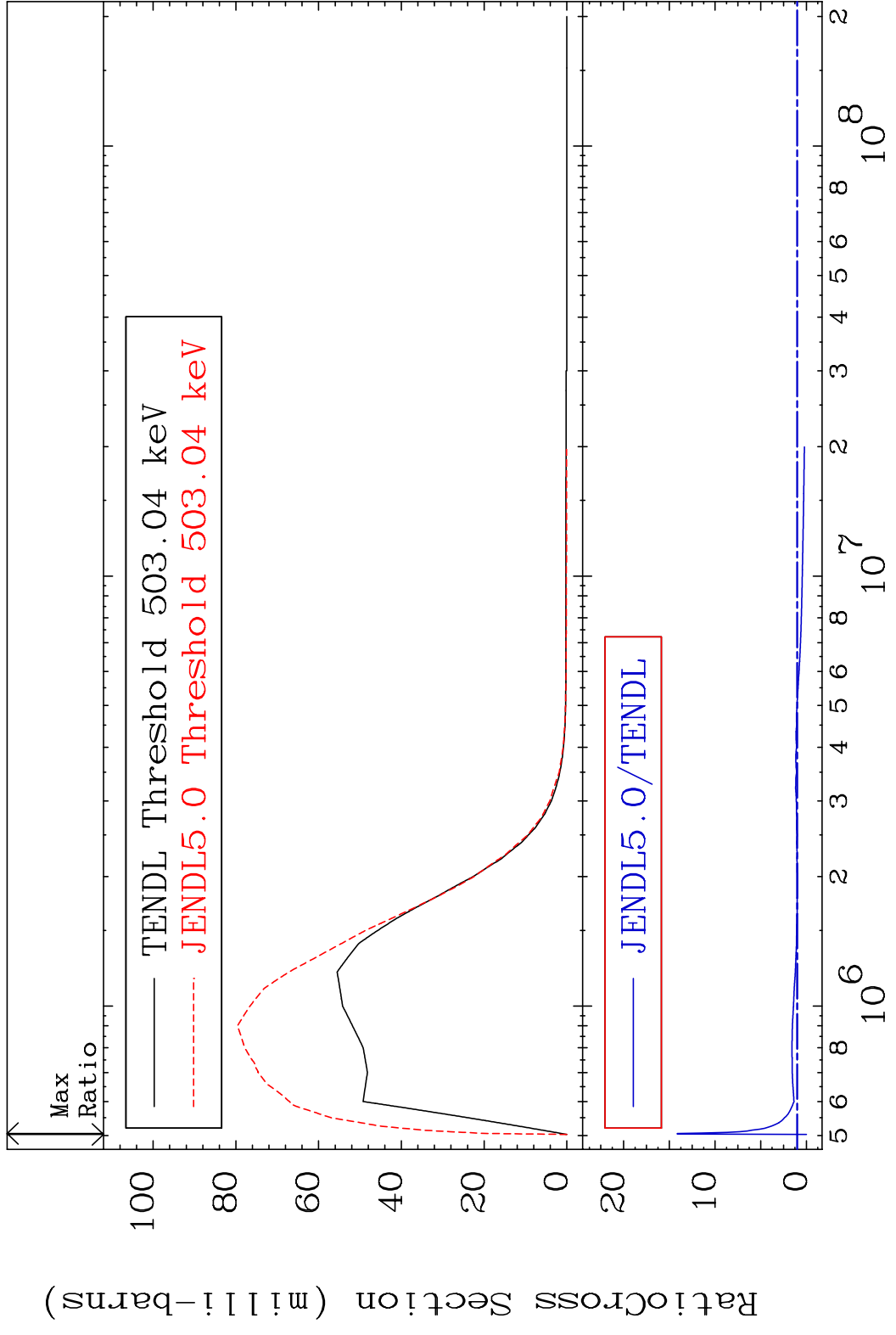
MAT 6325 MT= 64 (n, n') Level 63-Eu-151  
 Cross Section -100.0 To 21.72 %



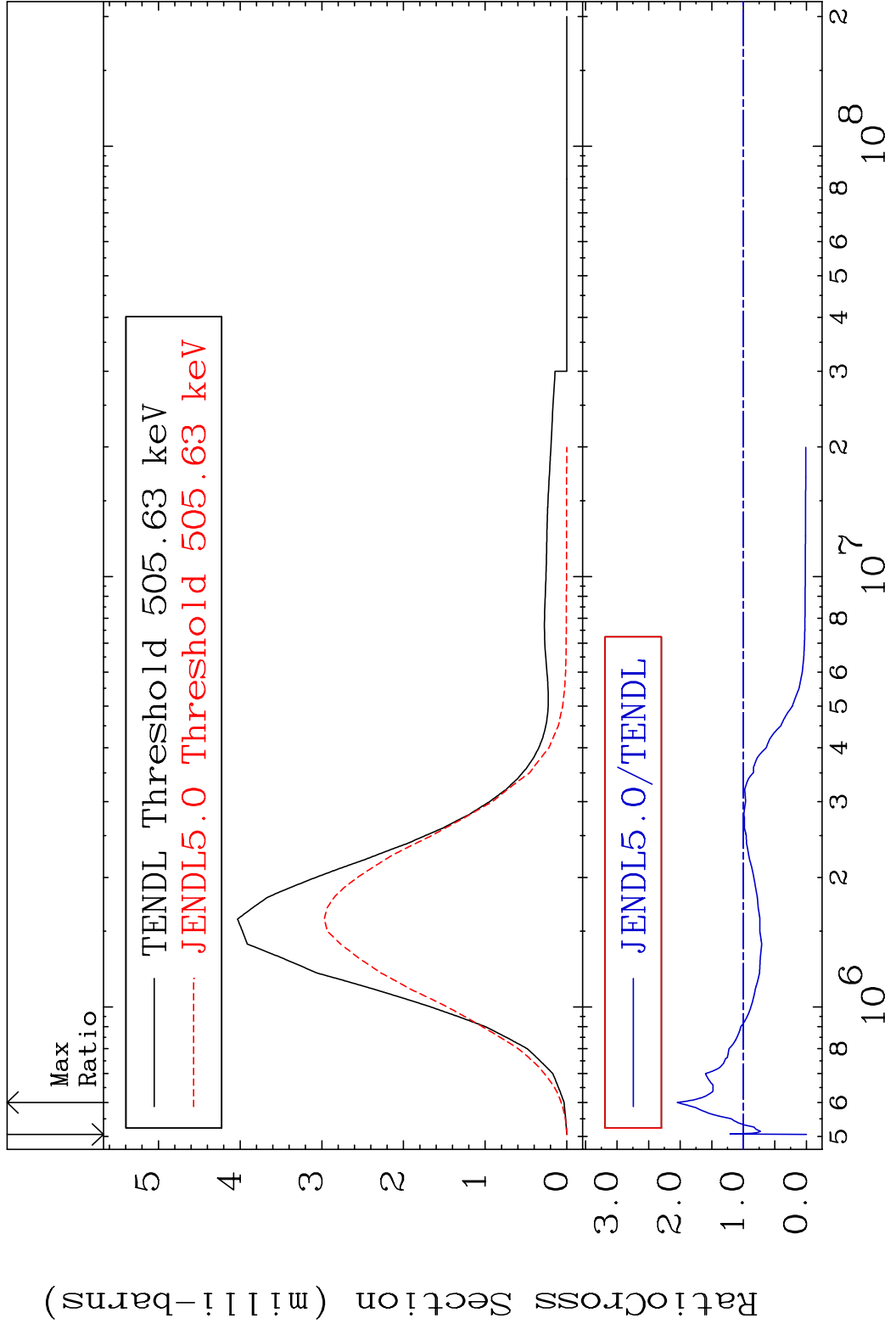
MAT 6325 MT= 65 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 51.39 %



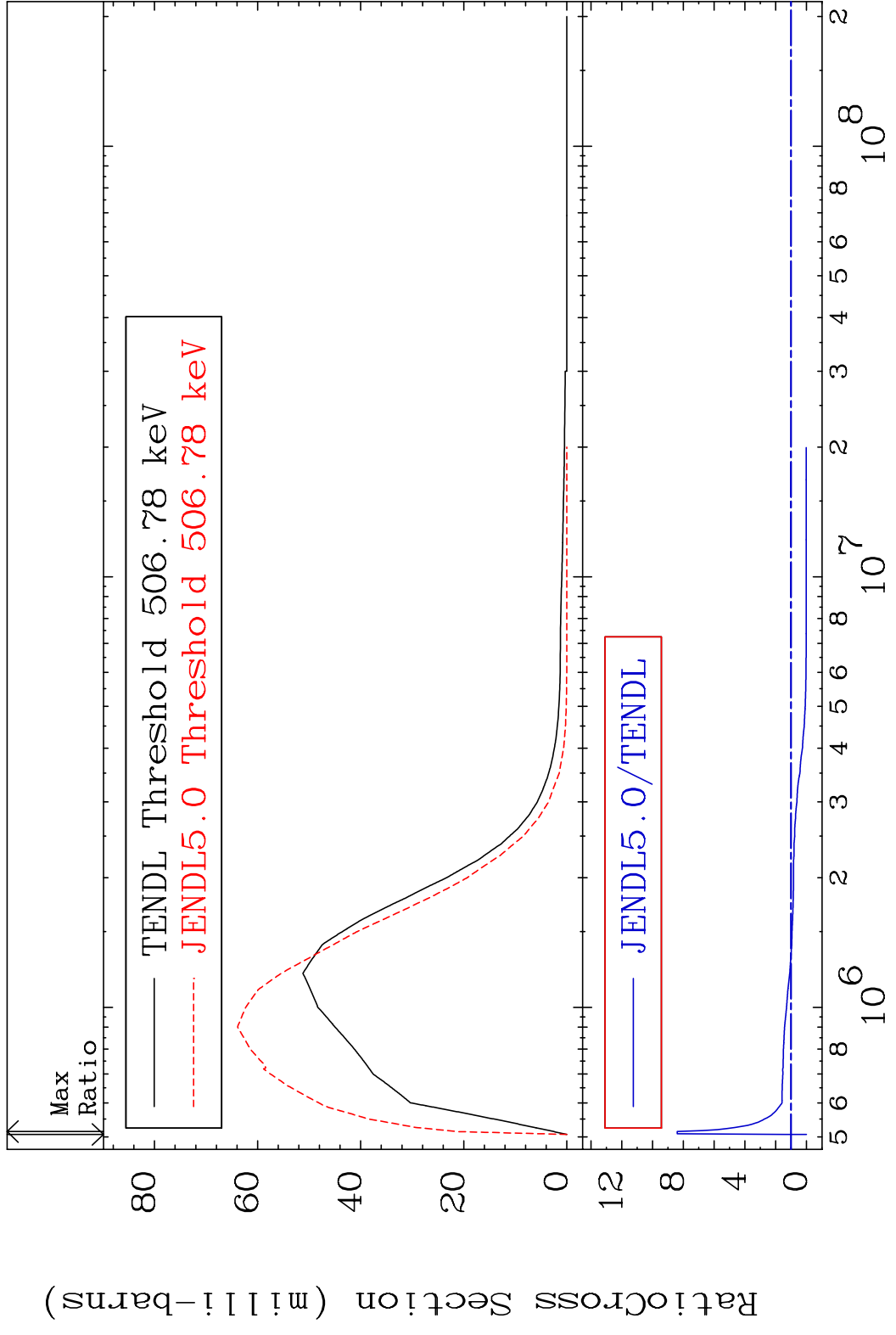
MAT 6325 MT= 66 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 1314. %



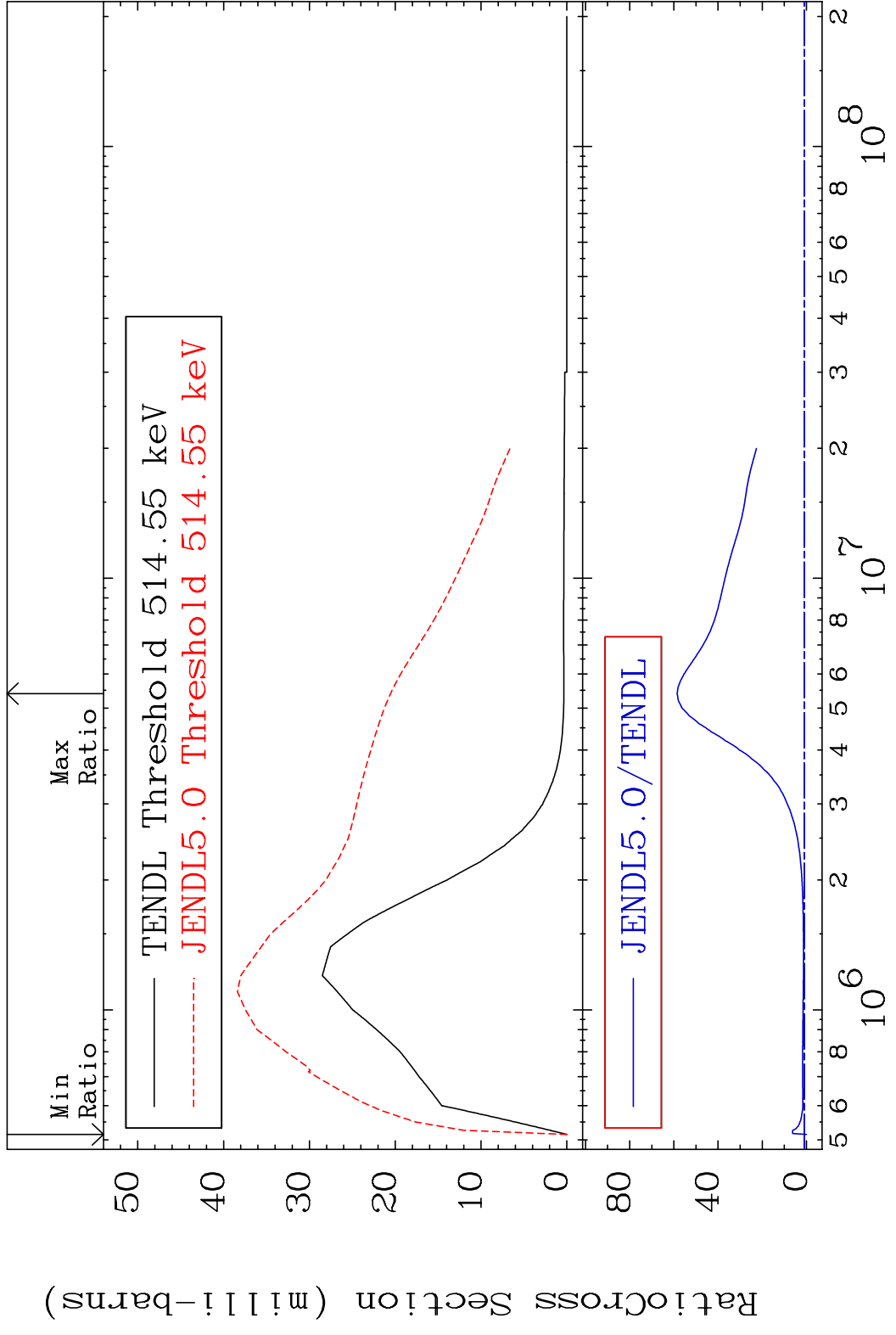
MAT 6325 MT= 67 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 104.8 %



MAT 6325 MT= 68 (n, n') Level 63-Eu-151  
 Cross Section -100.0 To 739.7 %

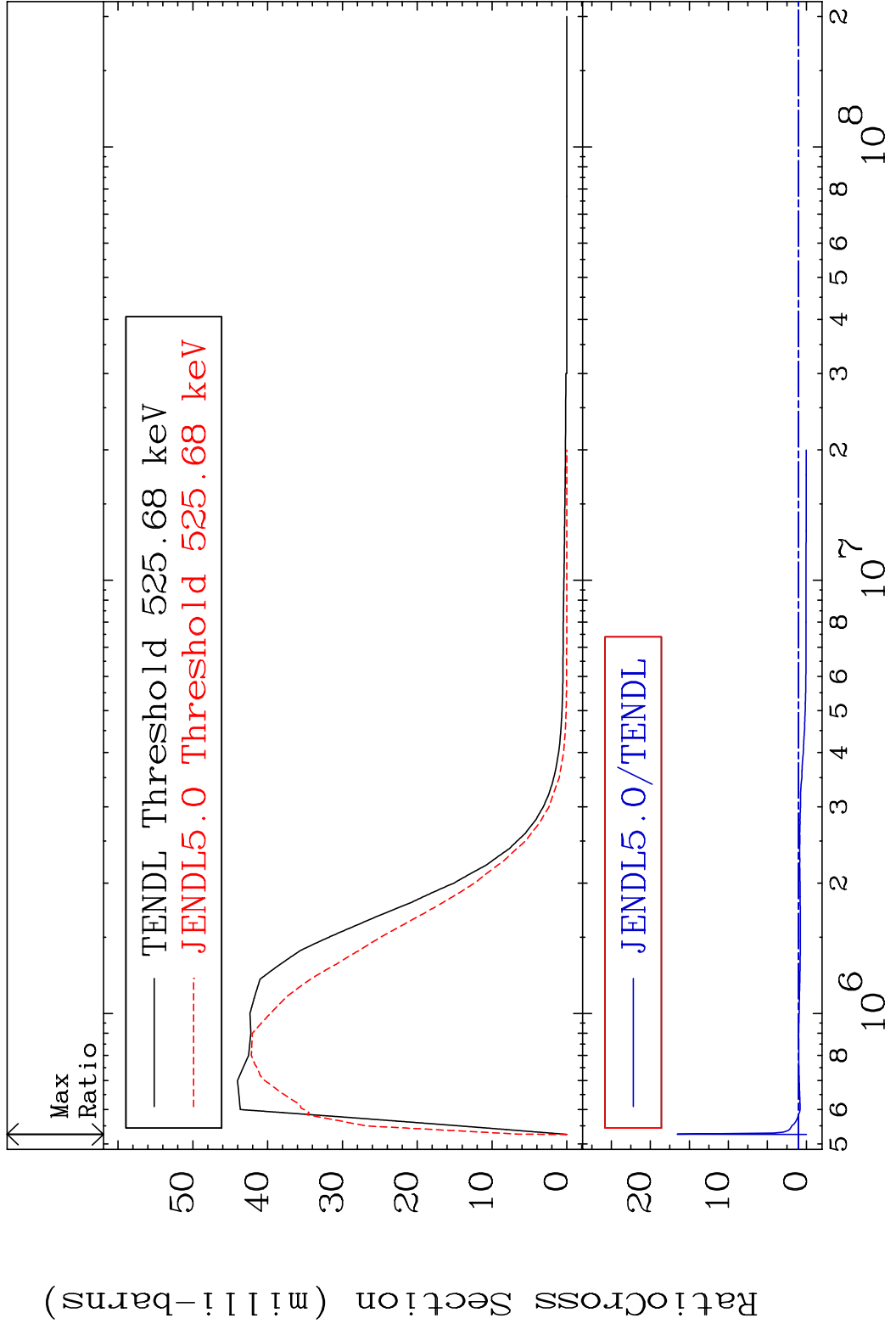


MAT 6325 MT= 69 (n, n') Level 63-Eu-151  
 Cross Section -100.0 To 5750. %



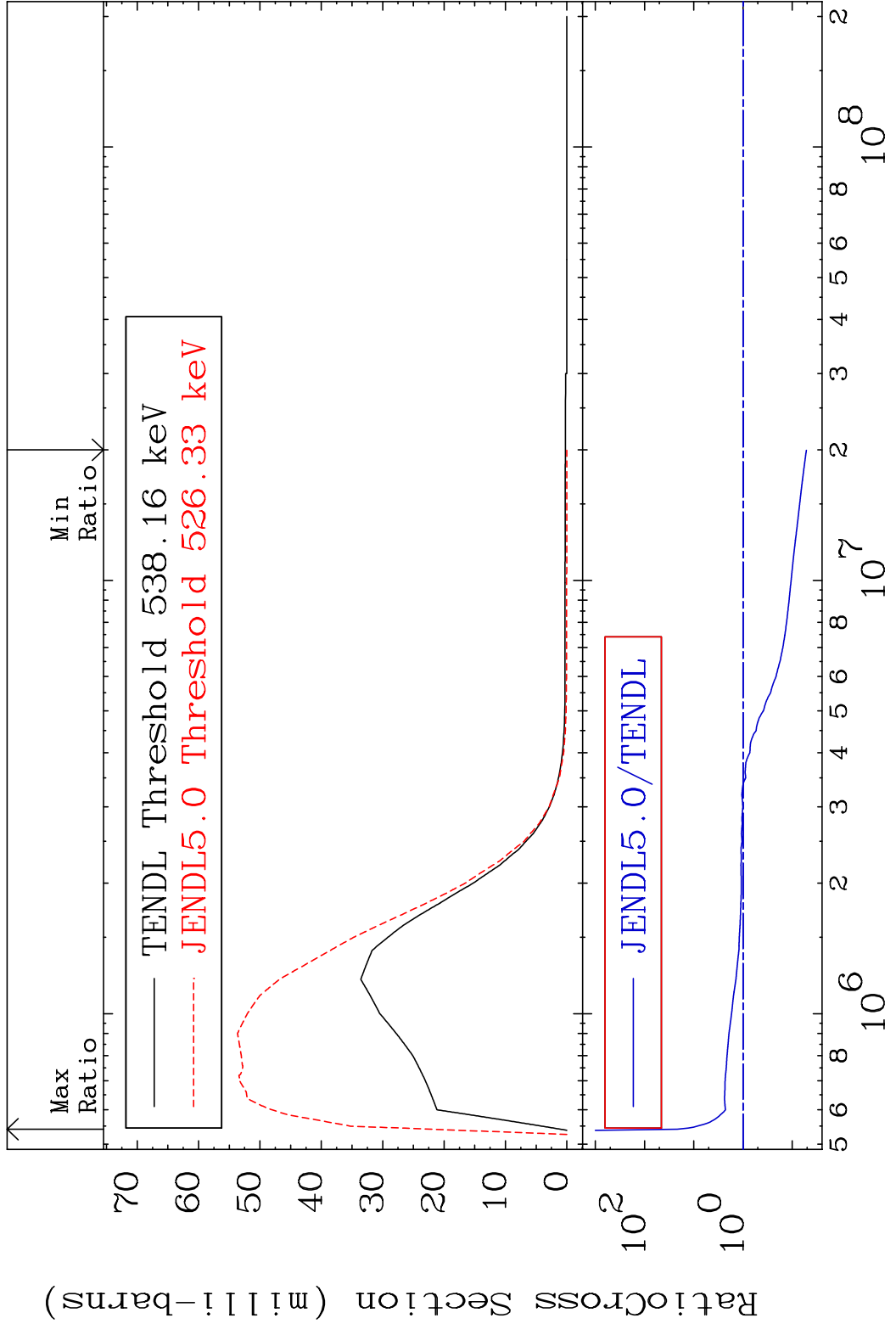
30 Incident Energy (eV) 63-Eu-151

MAT 6325 MT= 70 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 1556. %

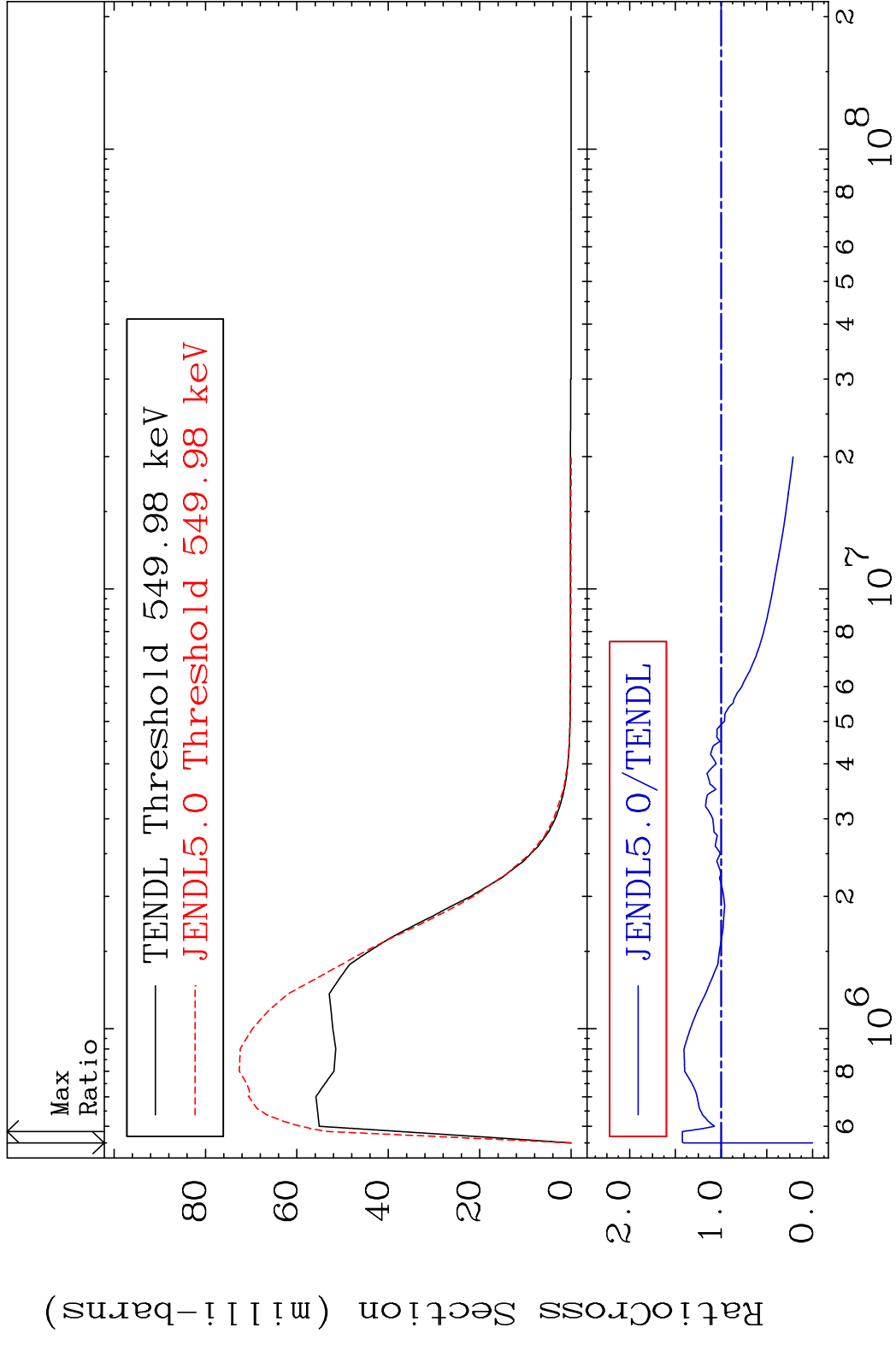




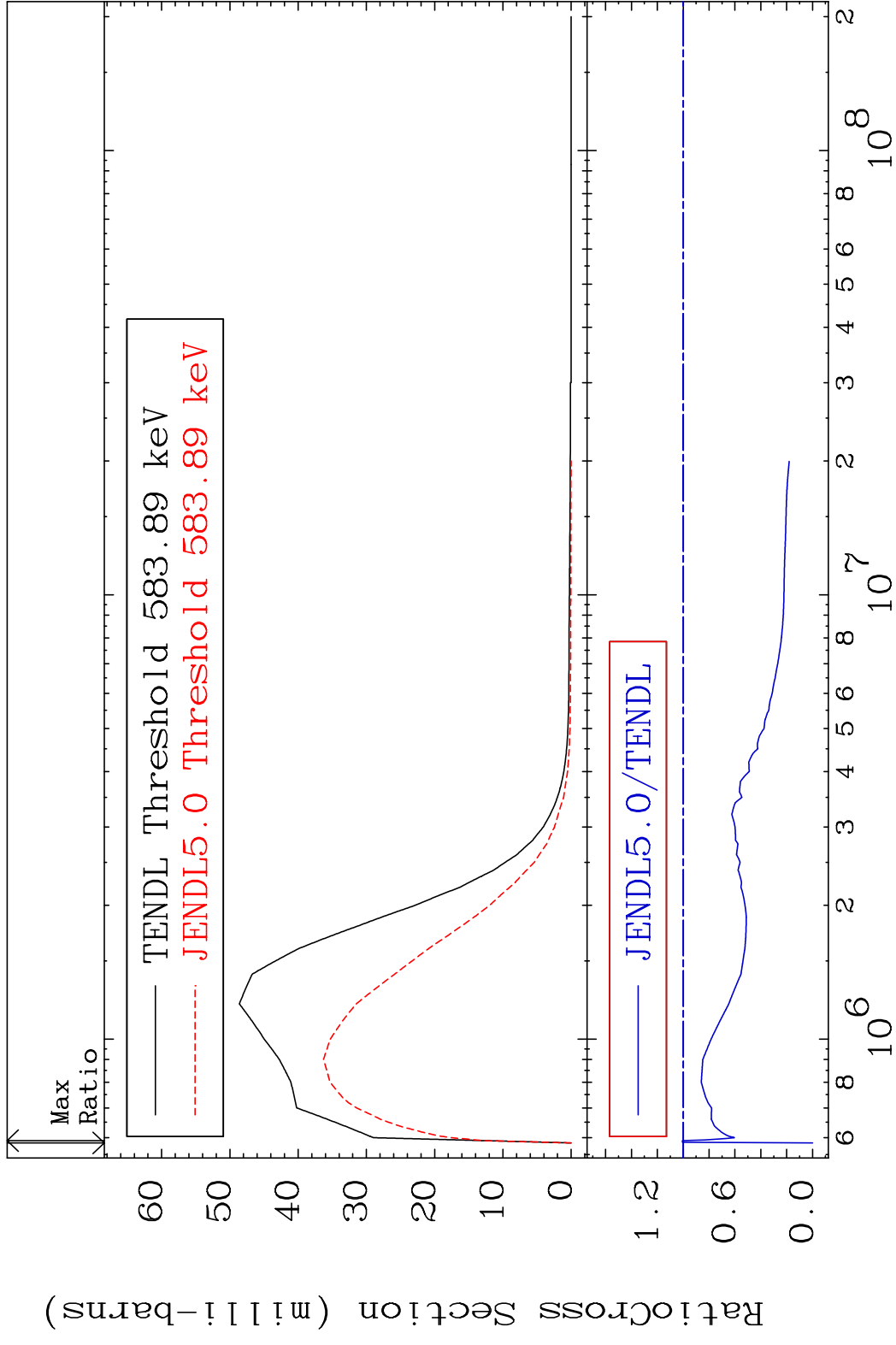
MAT 6325 MT= 71 (n, n') Level 63-Eu-151  
 Cross Section -94.84 To 2077. %



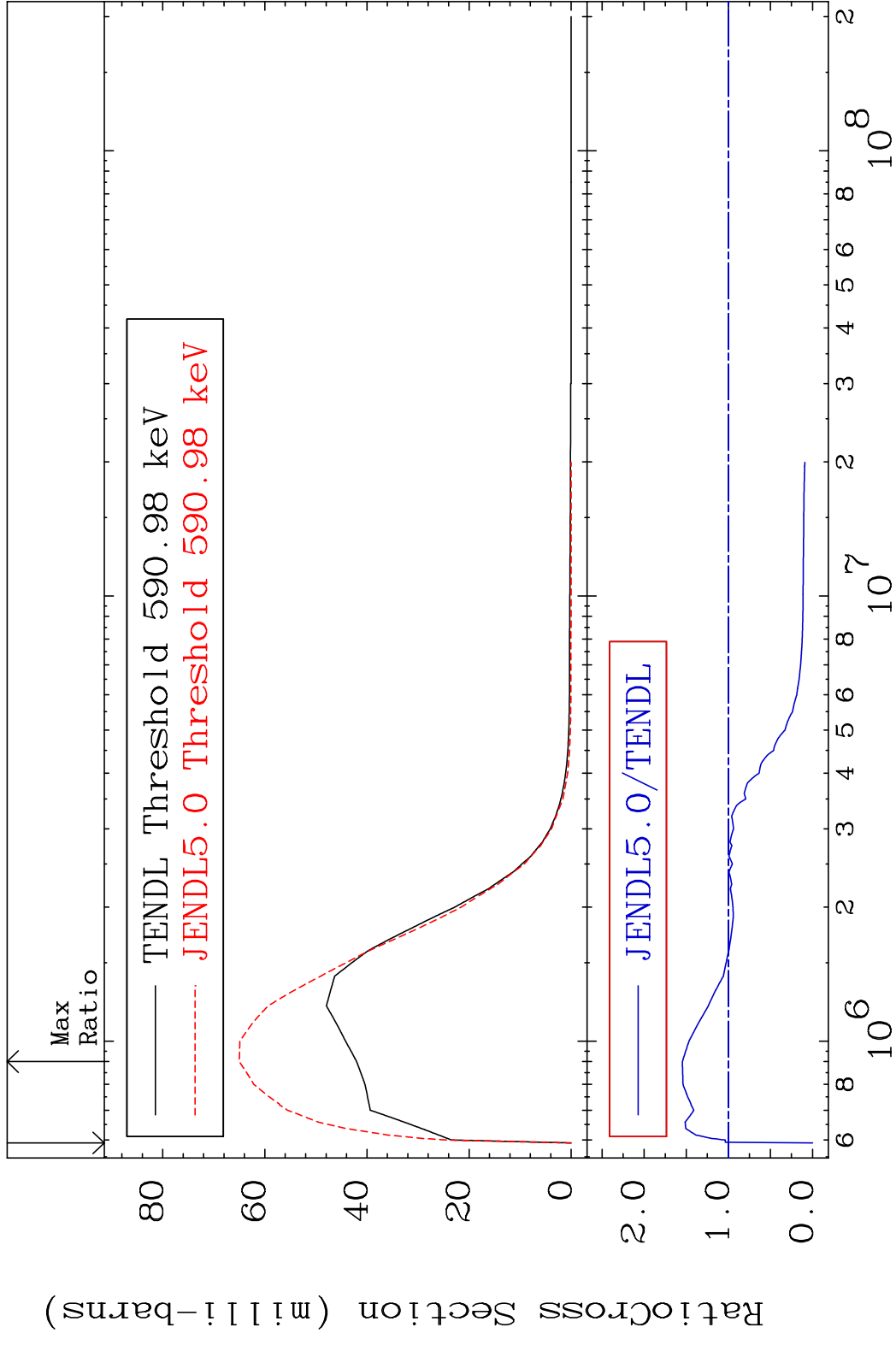
MAT 6325 MT= 72 (n, n') Level 63-Eu-151  
 Cross Section -100.0 To 42.38 %



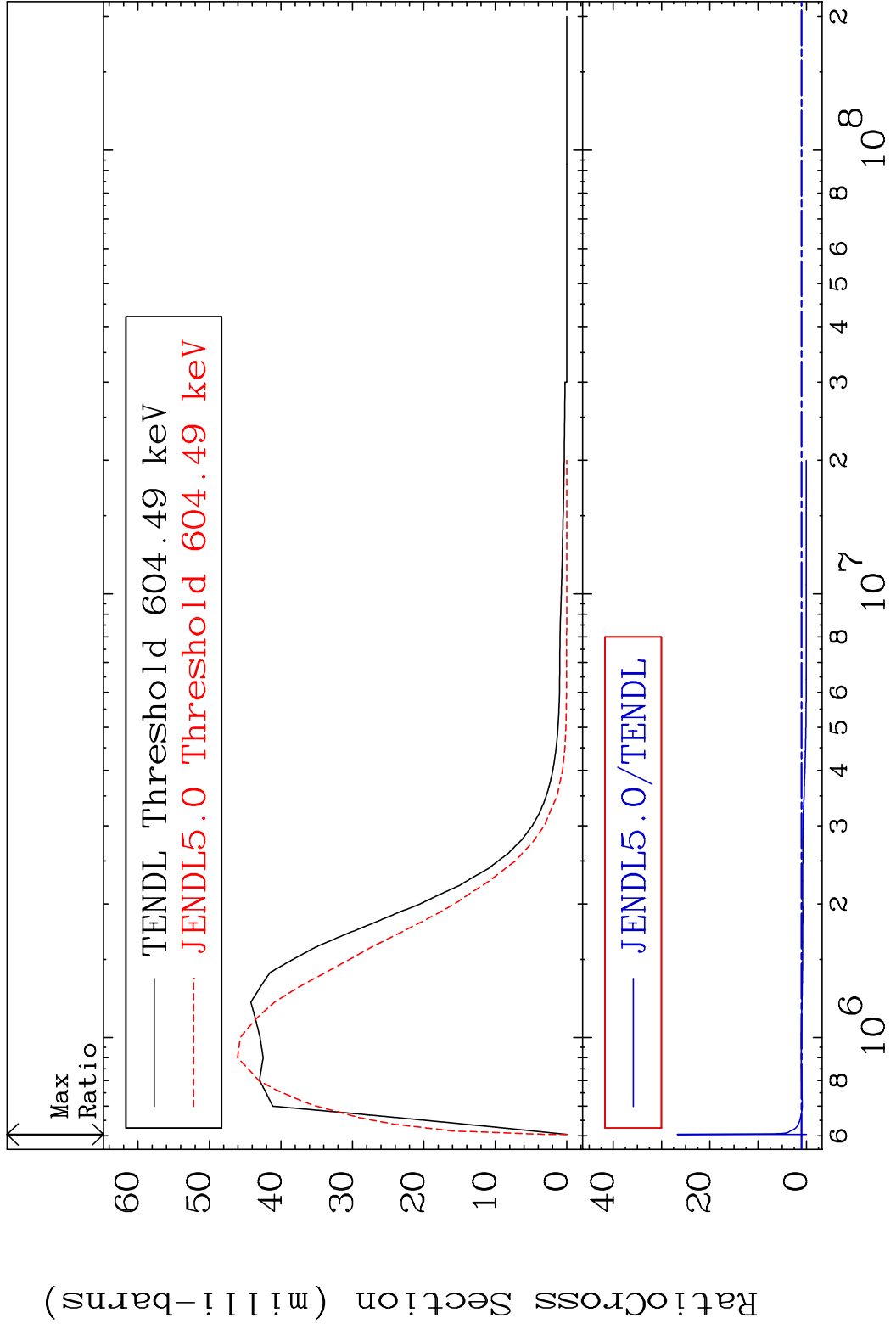
MAT 6325 MT= 73 (n, n') Level 63-Eu-151  
 Cross Section -100.0 To 0.669 %



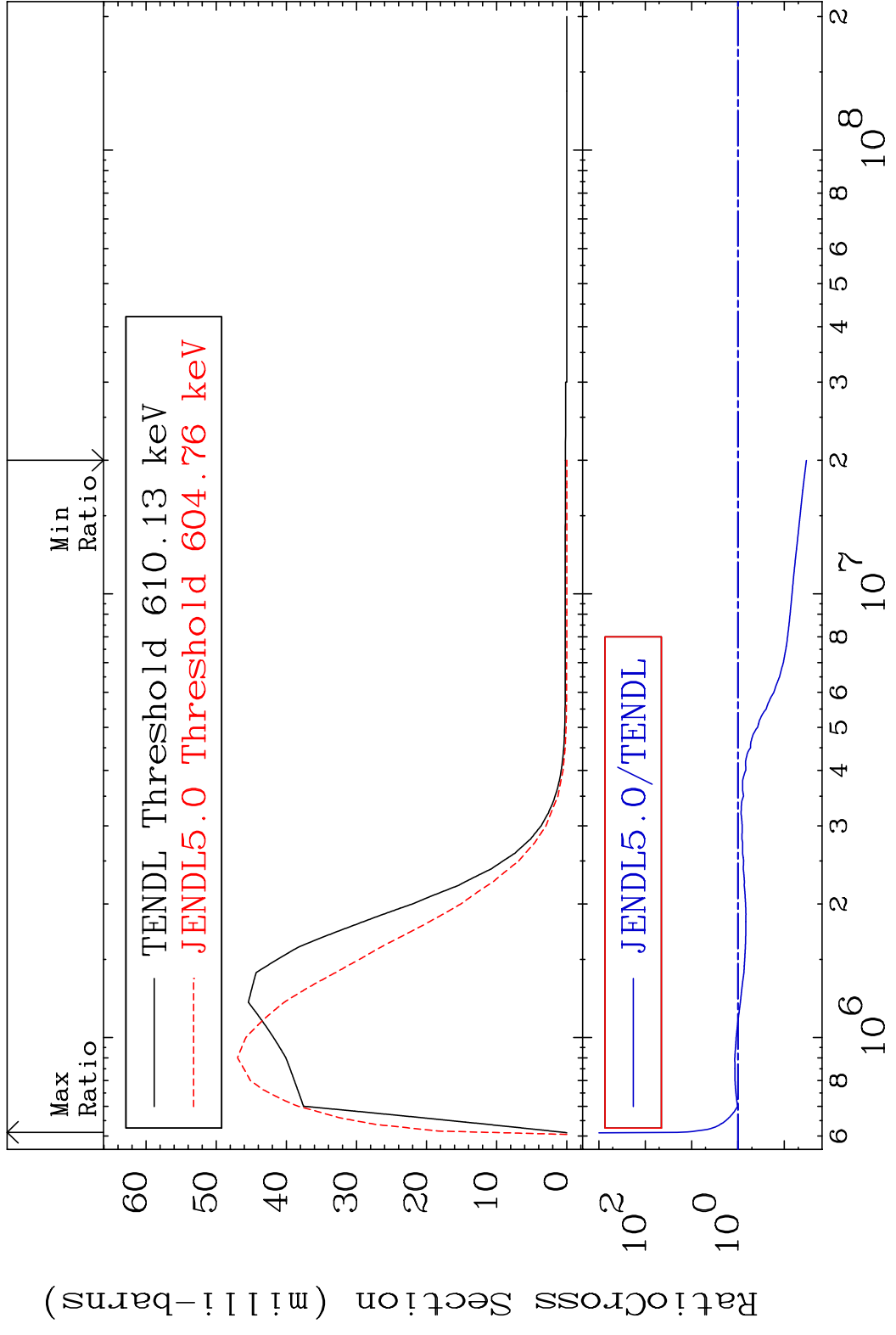
MAT 6325 MT= 74 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 54.64 %



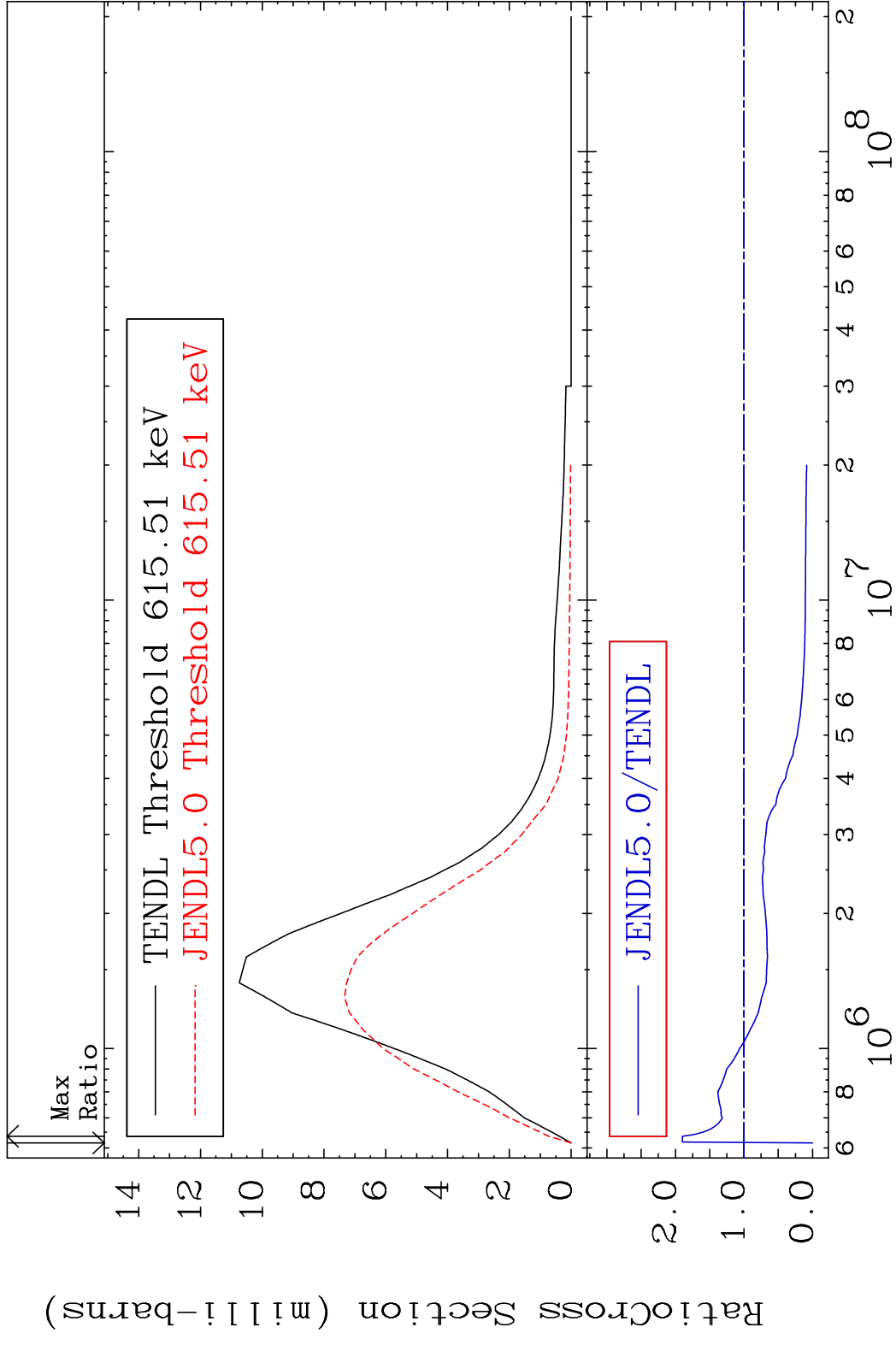
MAT 6325 MT= 75 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 2576. %



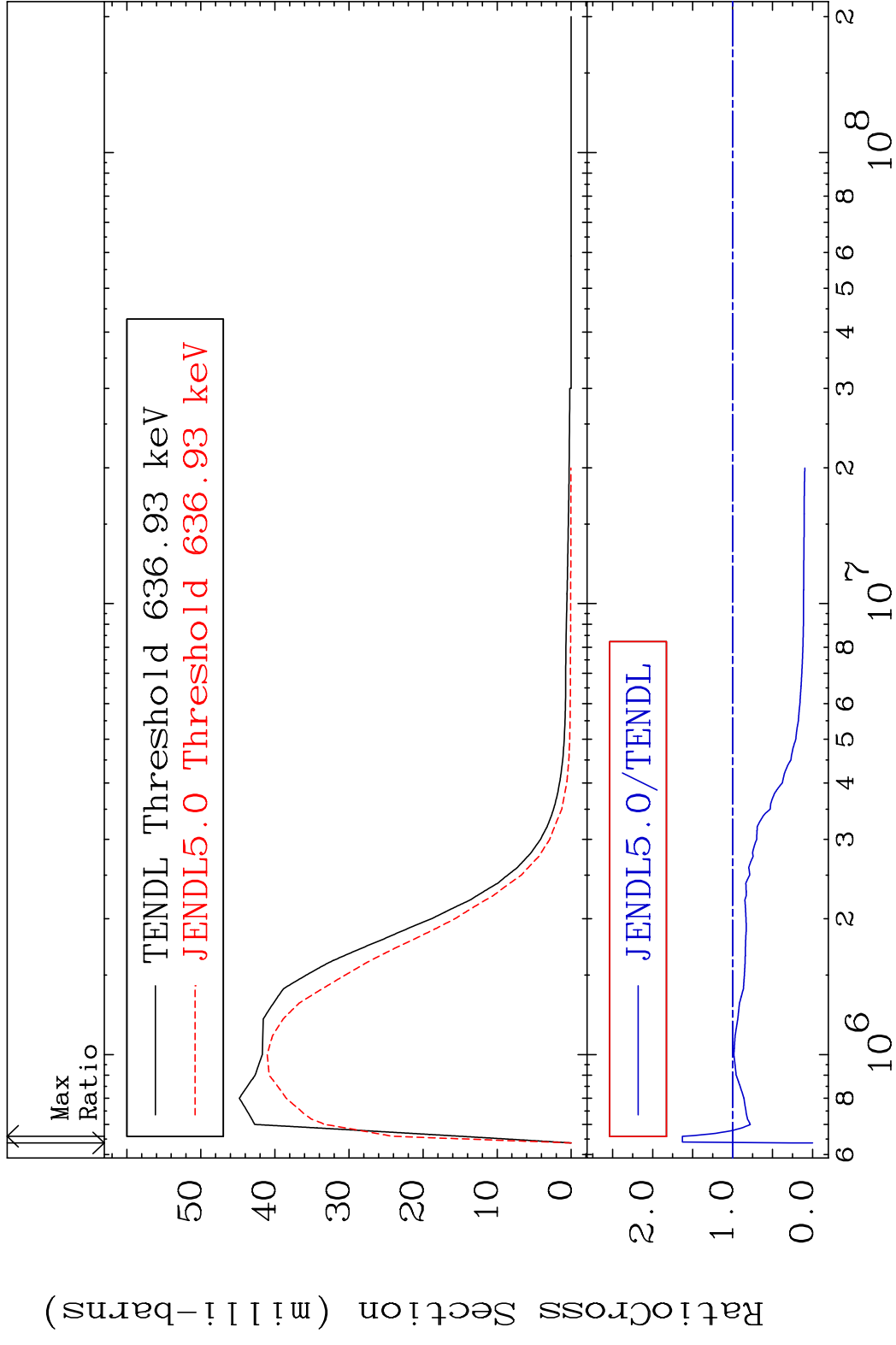
MAT 6325 MT= 76 (n, n') Level 63-Eu-151  
 Cross Section -96.65 To 1946. %



MAT 6325 MT= 77 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 89.93 %

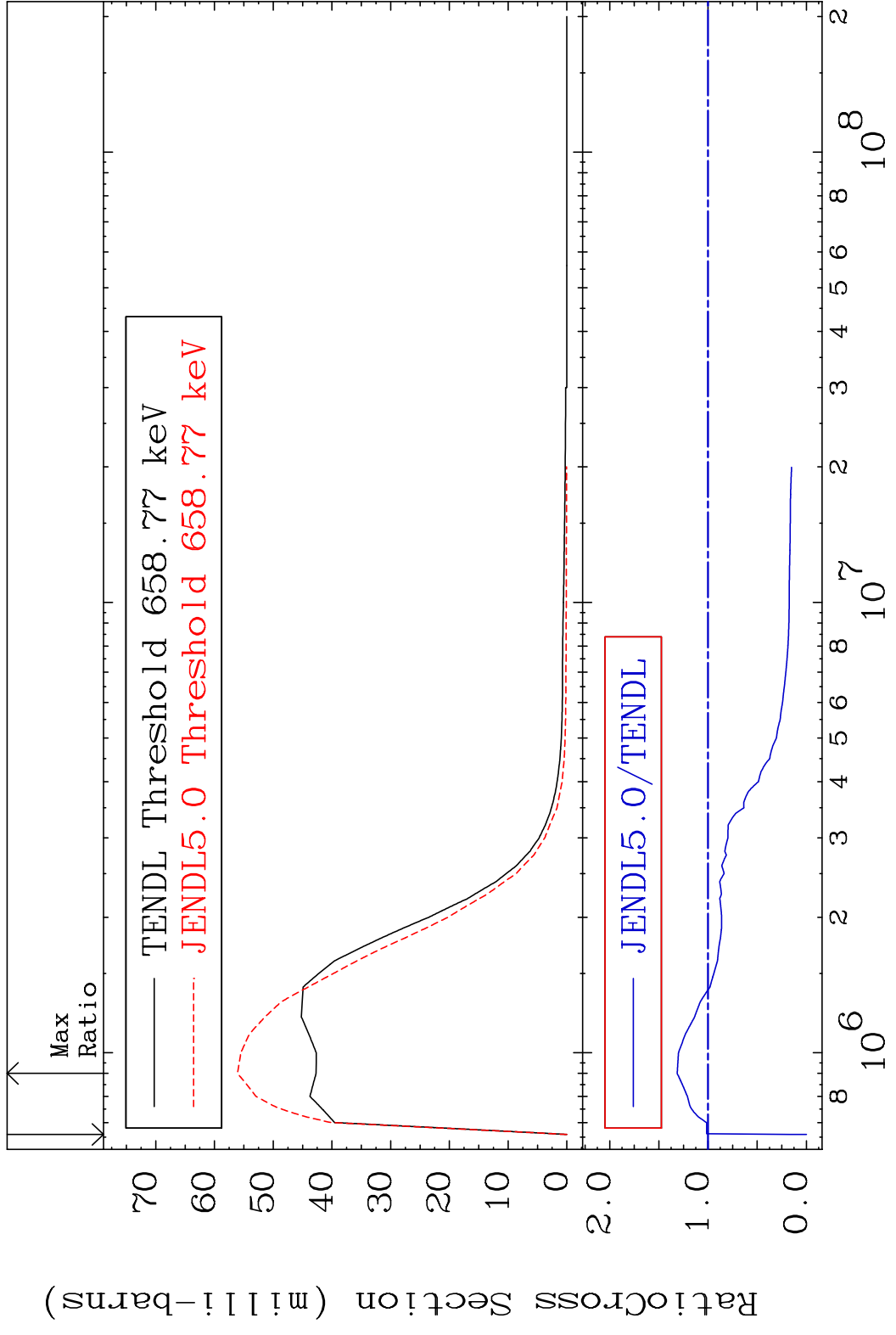


MAT 6325 MT= 78 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 62.86 %



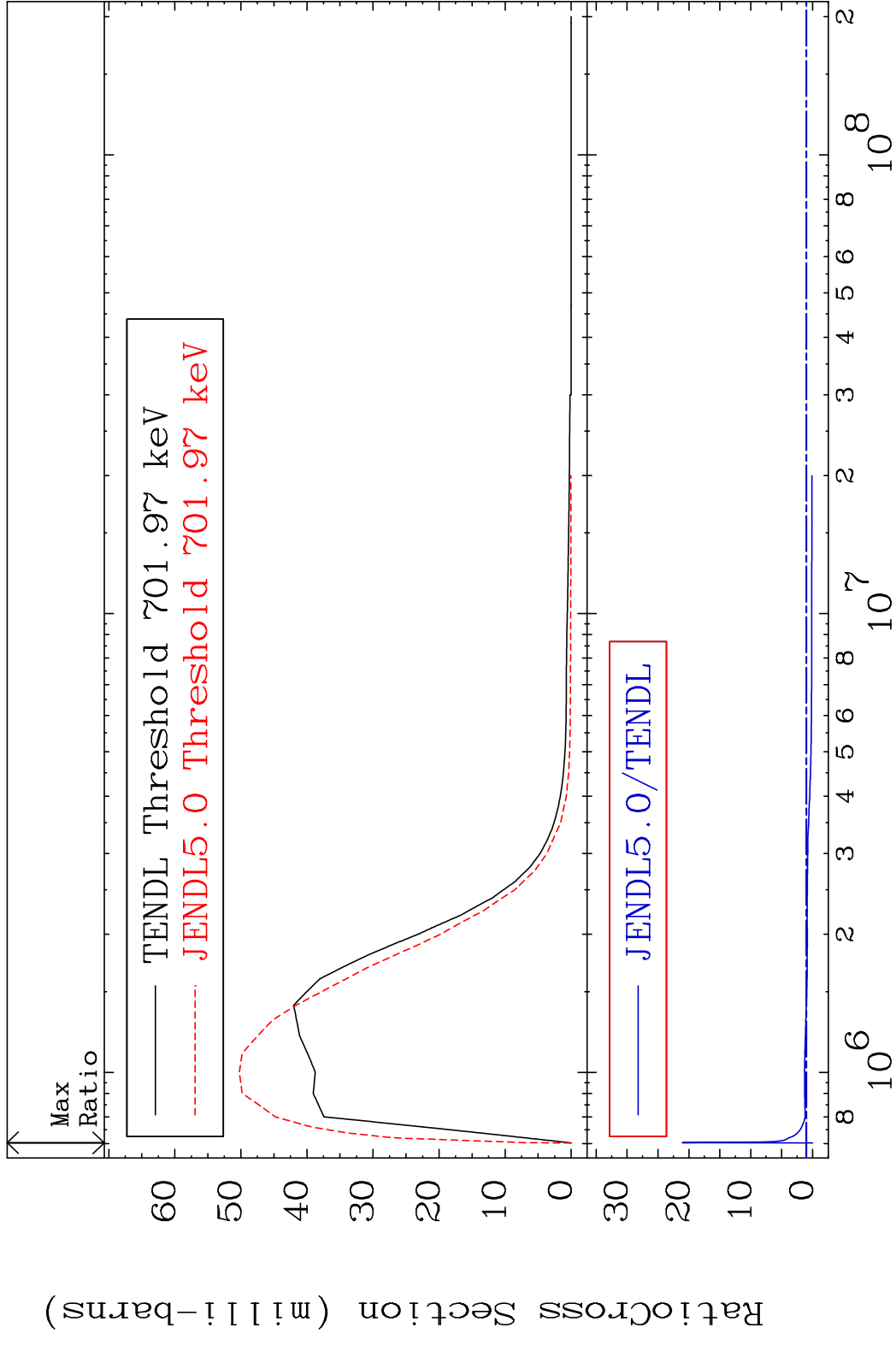


MAT 6325 MT= 79 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 31.36 %



40 Incident Energy (eV) 63-Eu-151

MAT 6325 MT= 80 (n,n') Level 63-Eu-151  
 Cross Section -100.0 To 2006. %

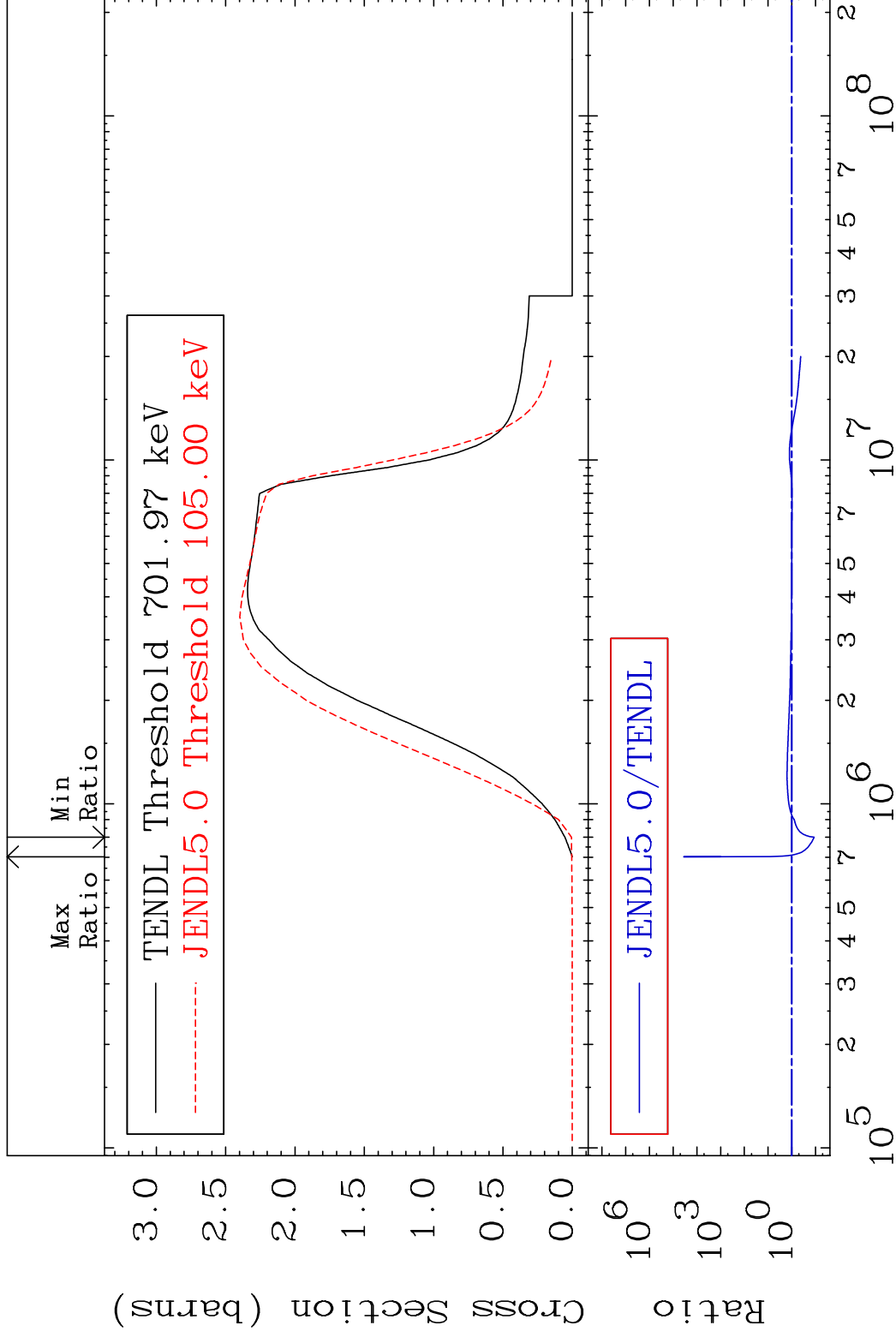


MAT 6325

(n, n') Continuum

63-Eu-151

Cross Section -88.50 To 9999. %



42

Incident Energy (eV)

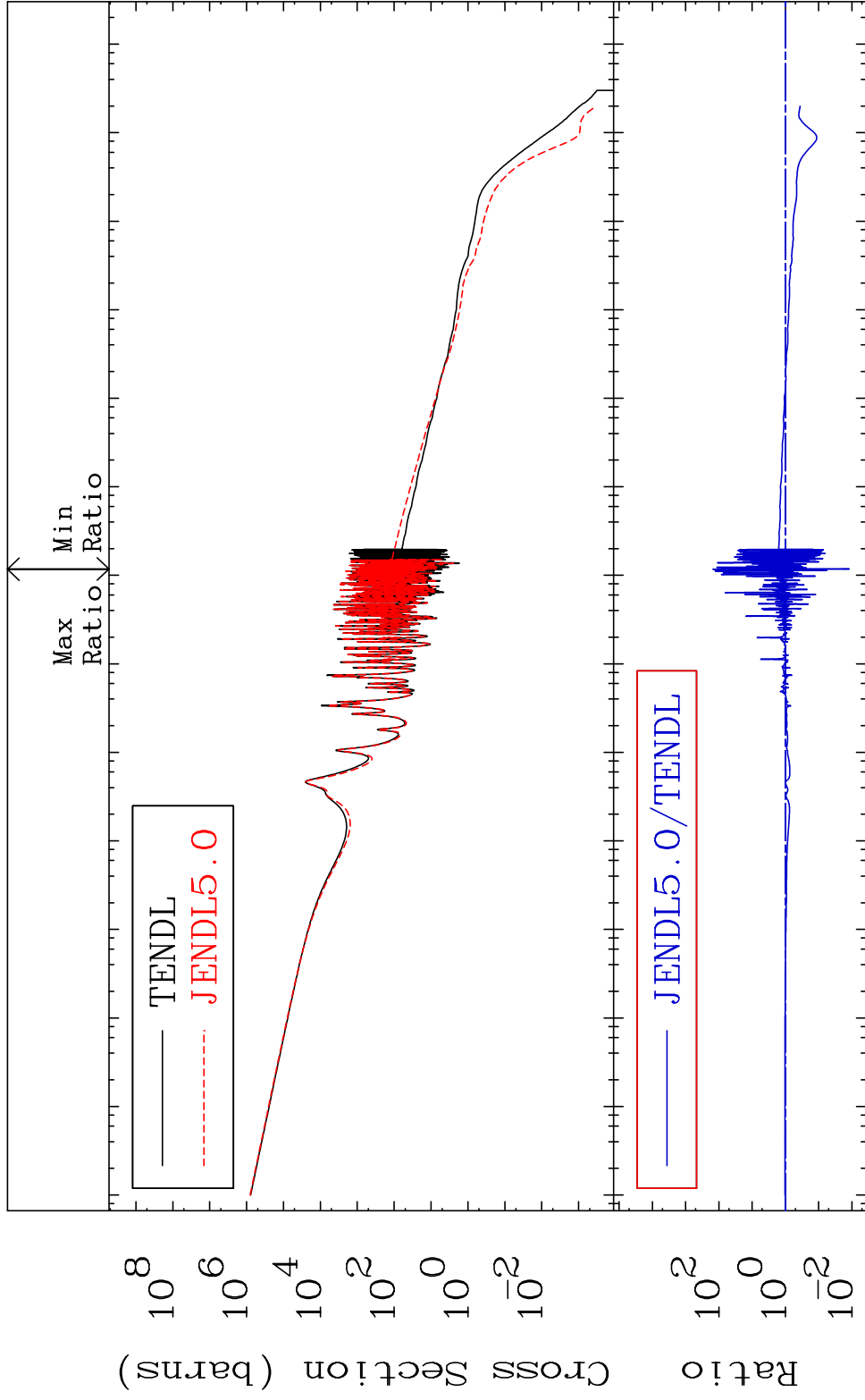
63-Eu-151

MAT 6325

(n,  $\gamma$ )

63-Eu-151

Cross Section -98.80 To 9999. %



43

Incident Energy (eV)

63-Eu-151

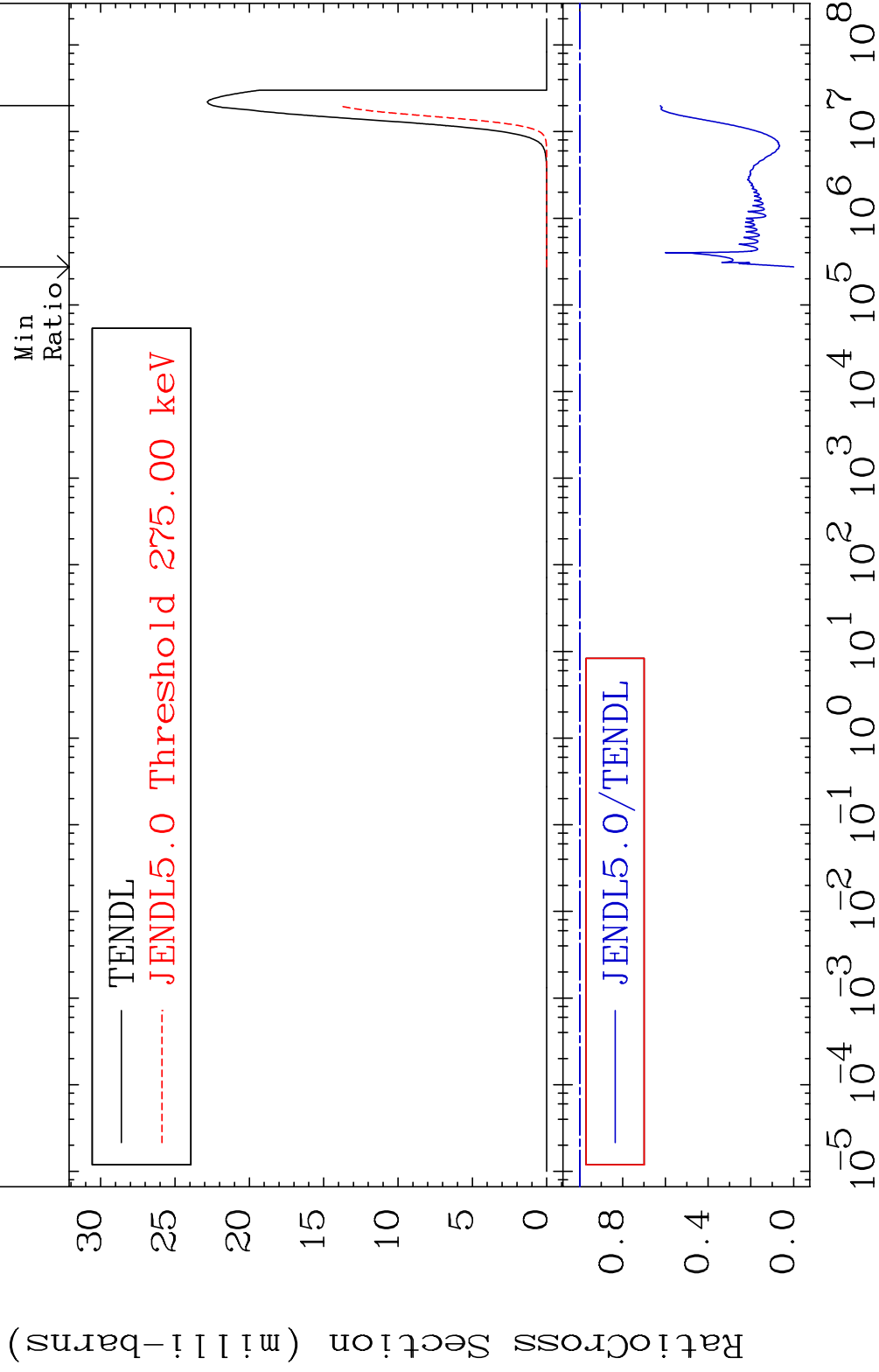
MAT 6325

(n, p)

63-Eu-151

Cross Section

-100.0 To -37.71%

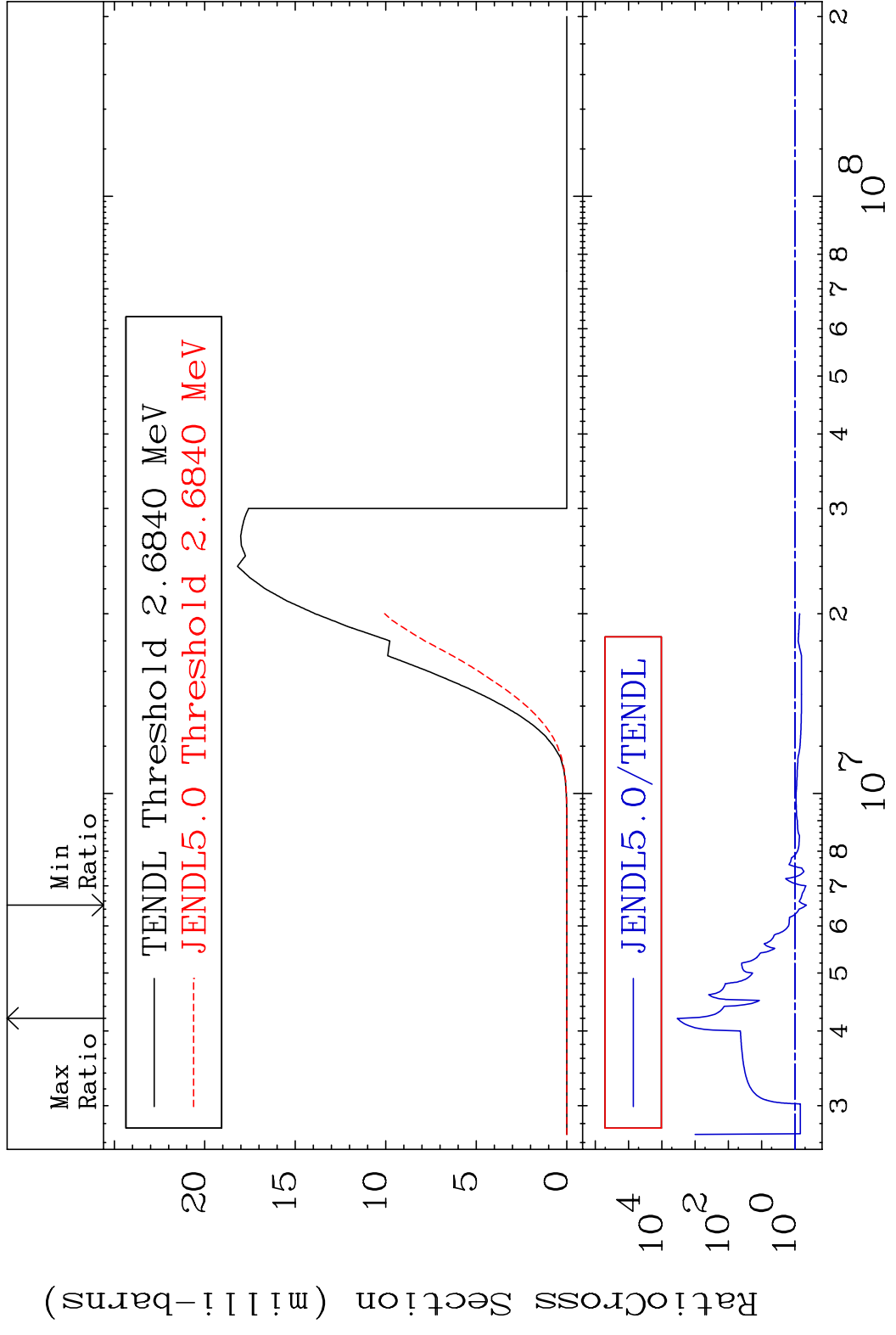


44

Incident Energy (eV)

63-Eu-151

MAT 6325 (n,d) 63-Eu-151  
 Cross Section -54.65 To 9999. %

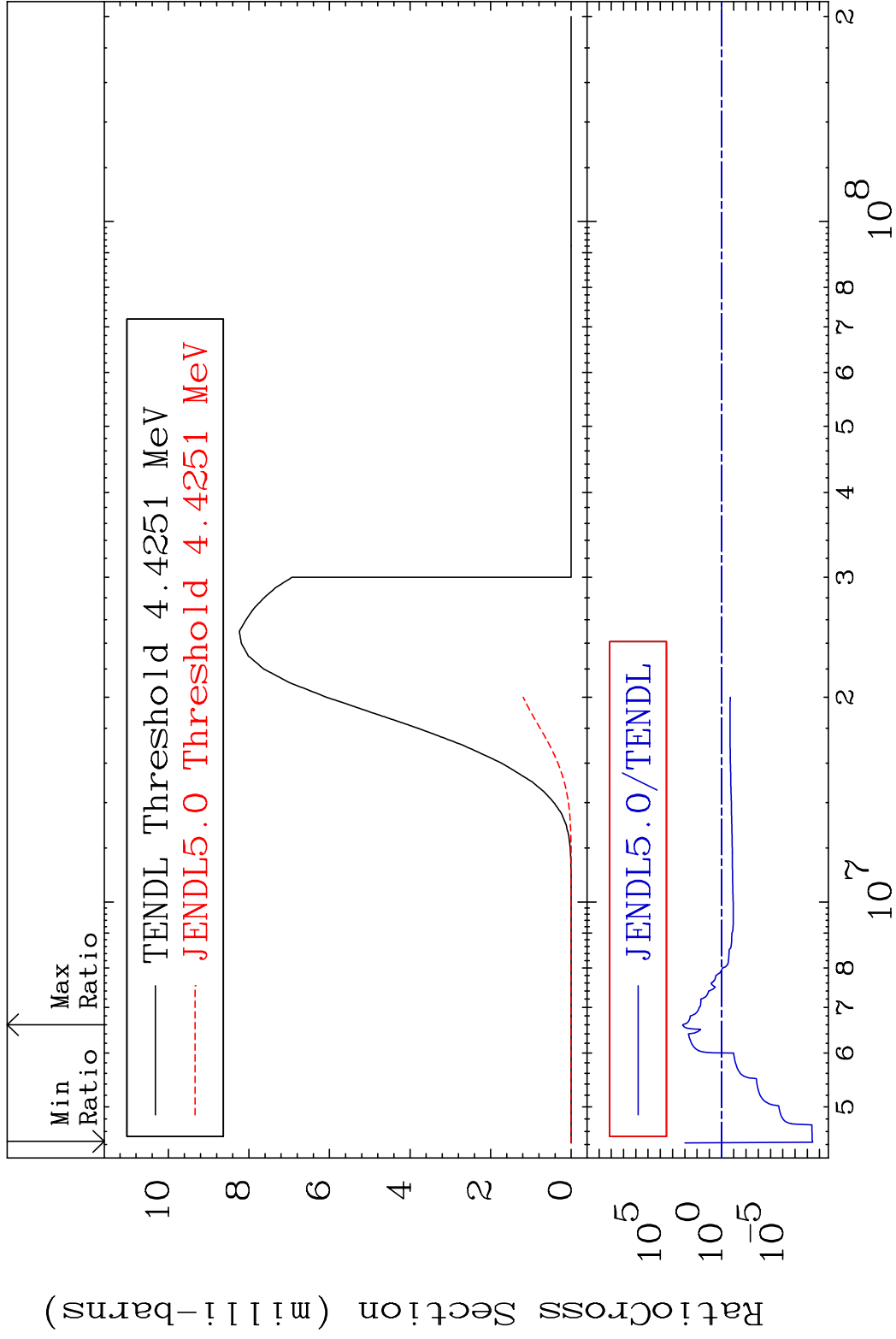


MAT 6325

(n, t)

63-Eu-151

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

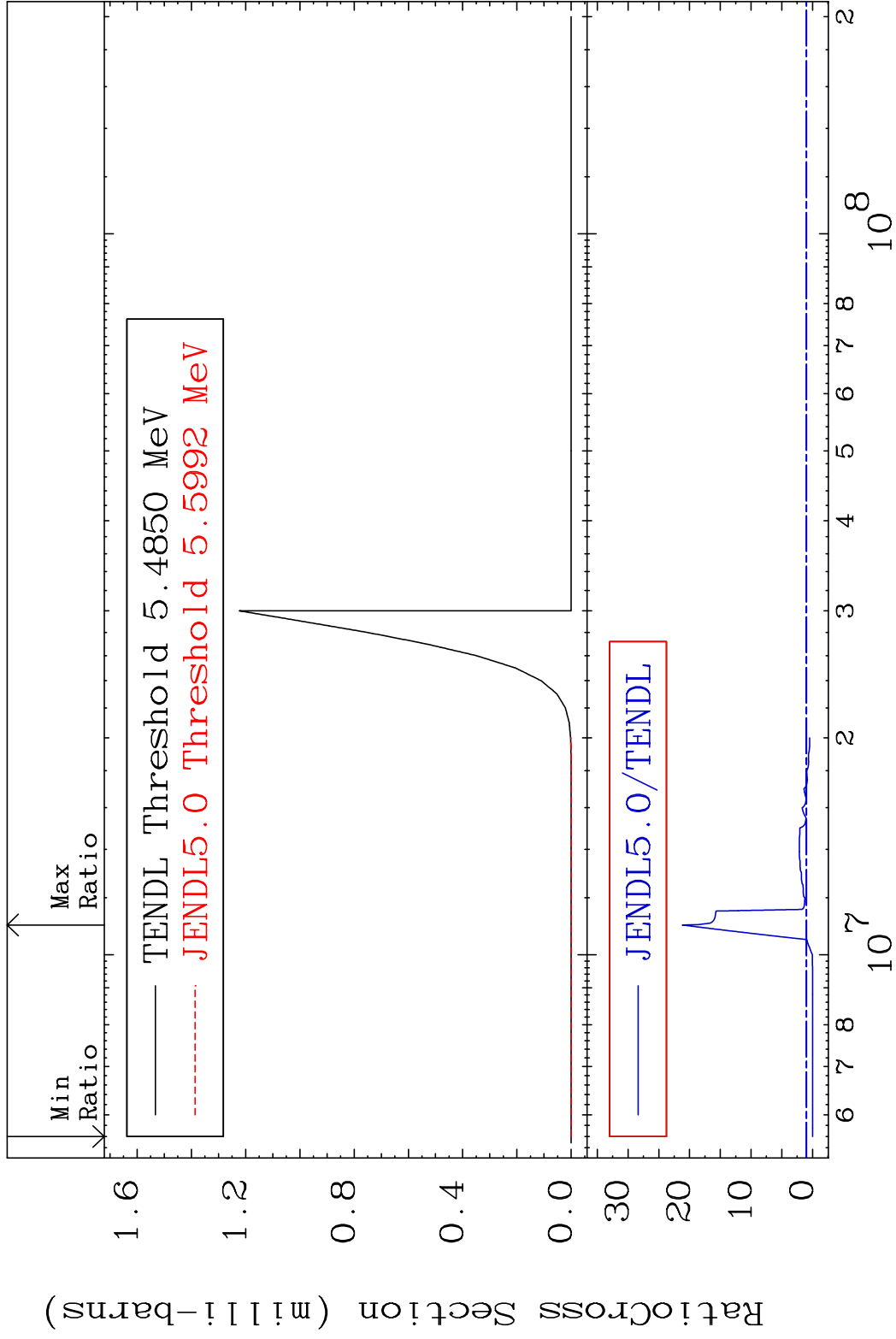
63-Eu-151

MAT 6325

(n, He-3)

63-Eu-151

Cross Section -100.0 To 2017. %



47

Incident Energy (eV)

63-Eu-151

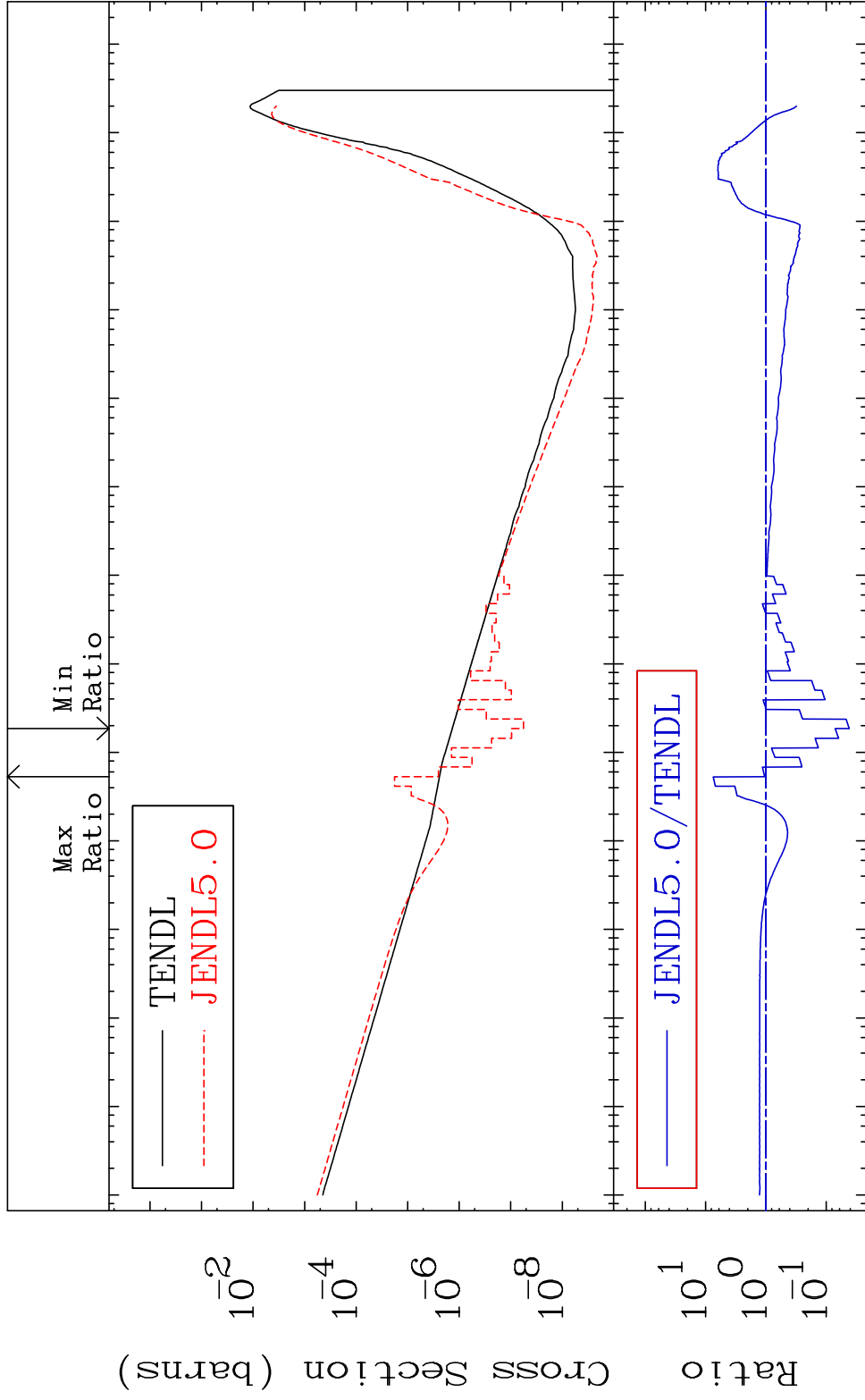


MAT 6325

(n,  $\alpha$ )

63-Eu-151

Cross Section -95.86 To 646.4 %

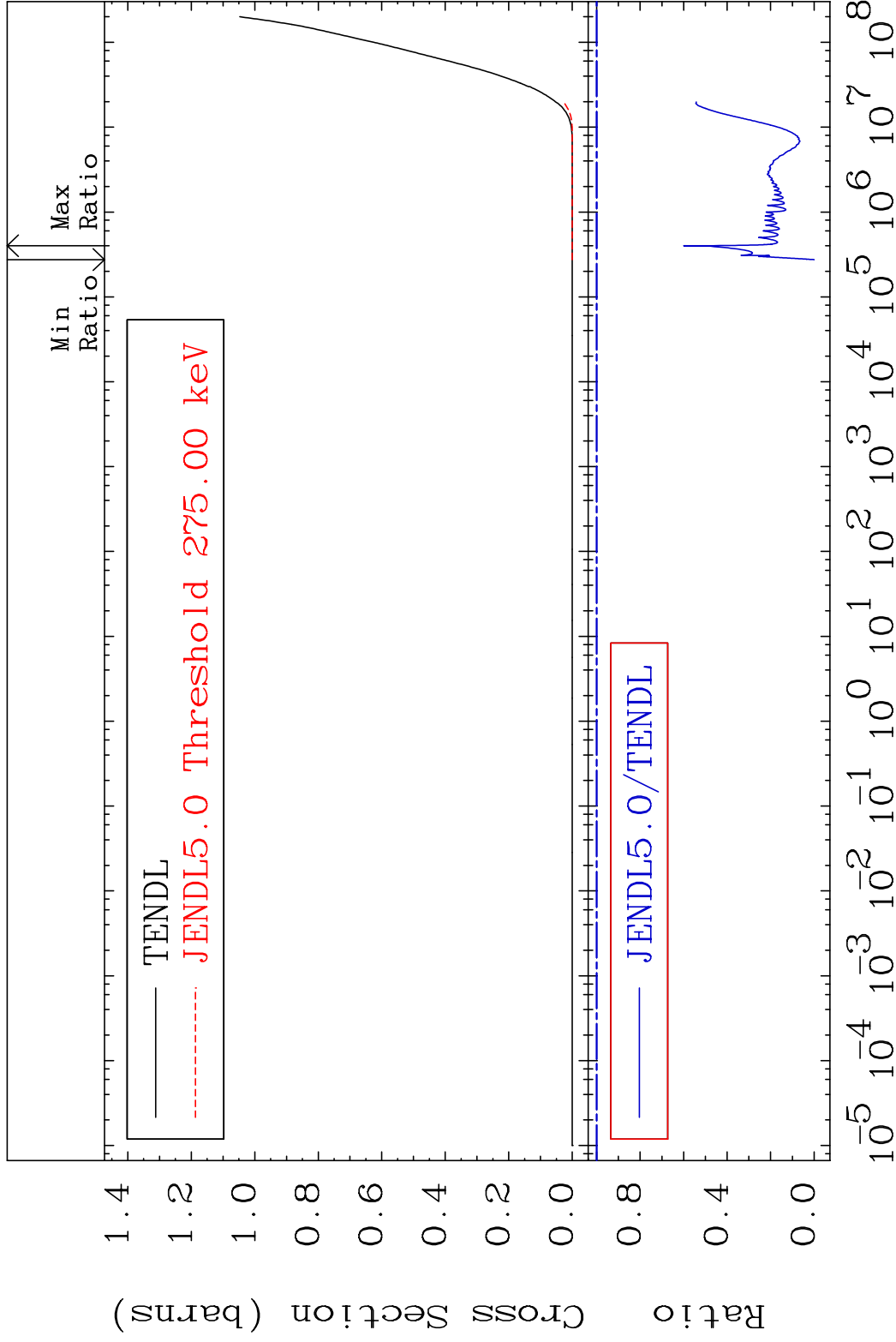


MAT 6325

Hydrogen Production

63-Eu-151

Cross Section -100.0 To -40.00%

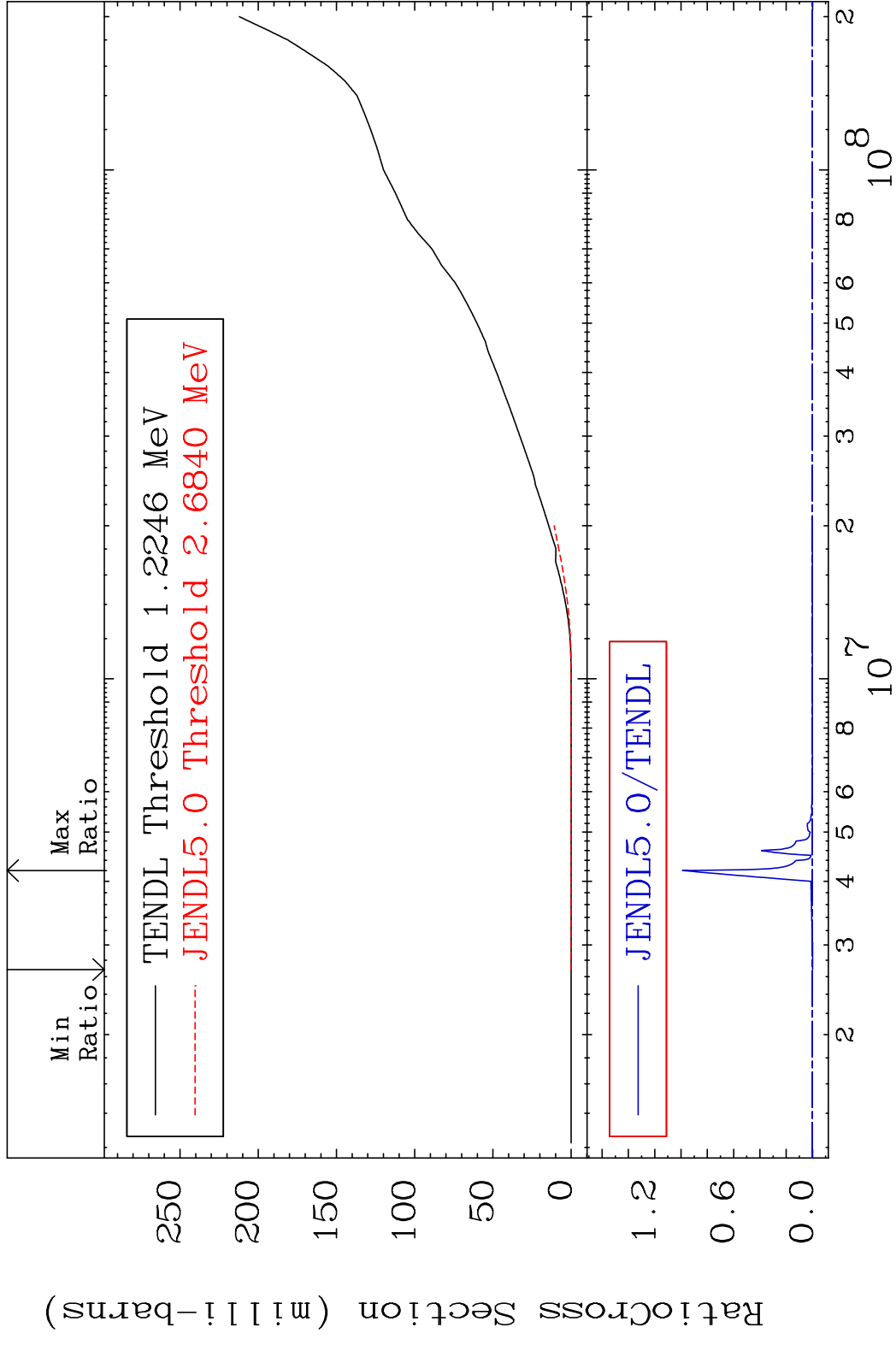


49

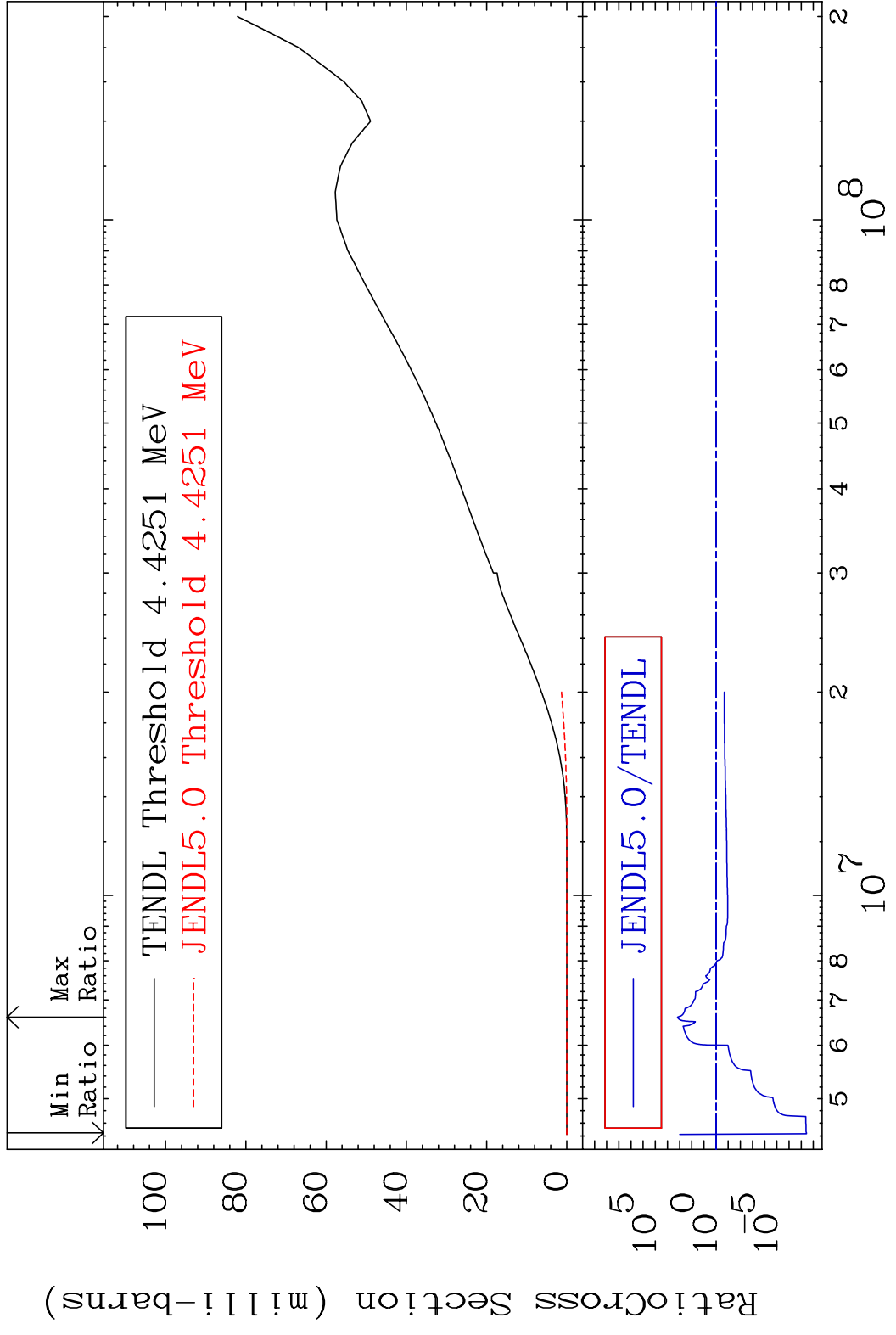
Incident Energy (eV)

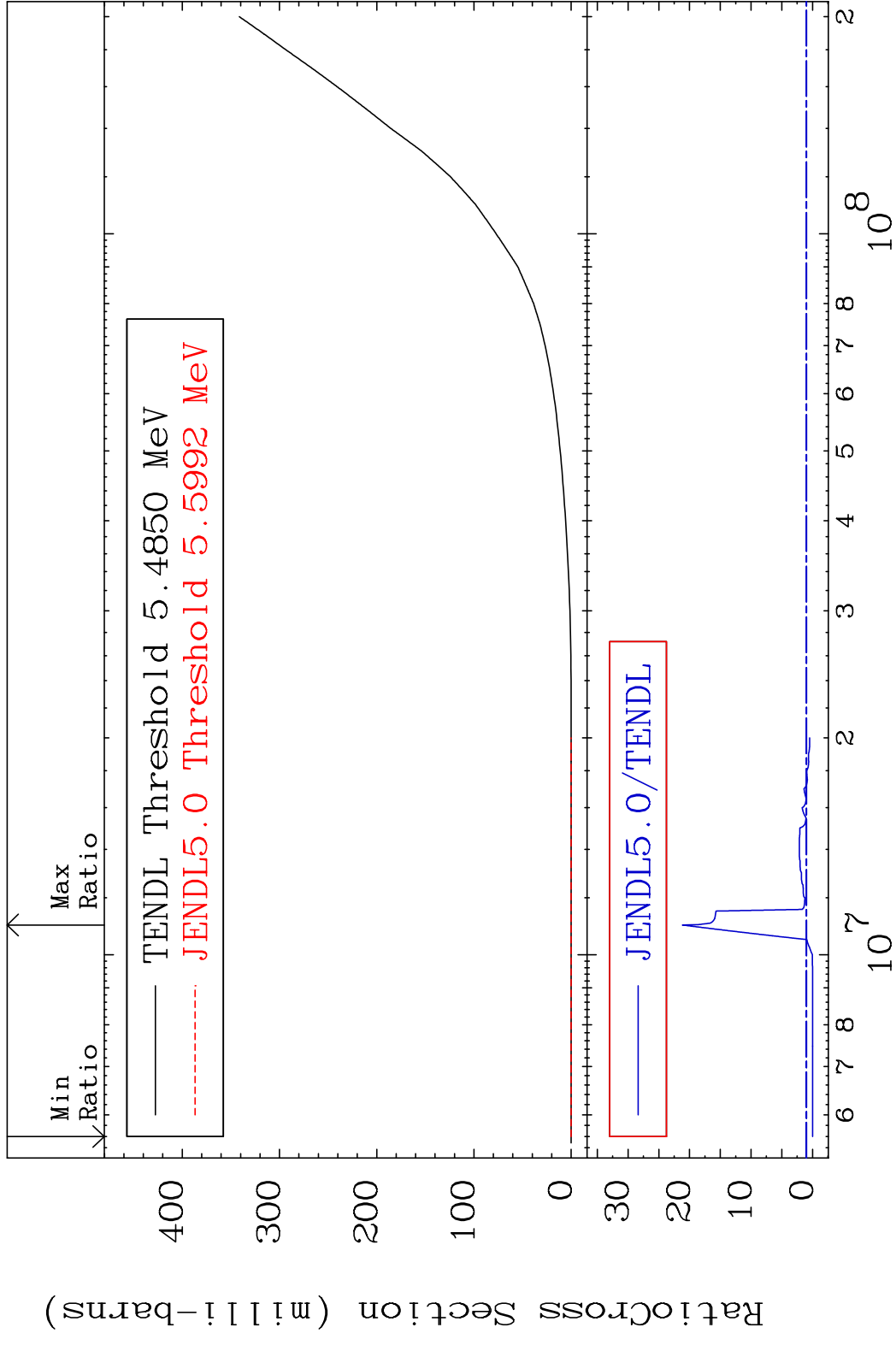
63-Eu-151

MAT 6325 Deuterium Production 63-Eu-151  
 Cross Section -100.0 To 9999. %

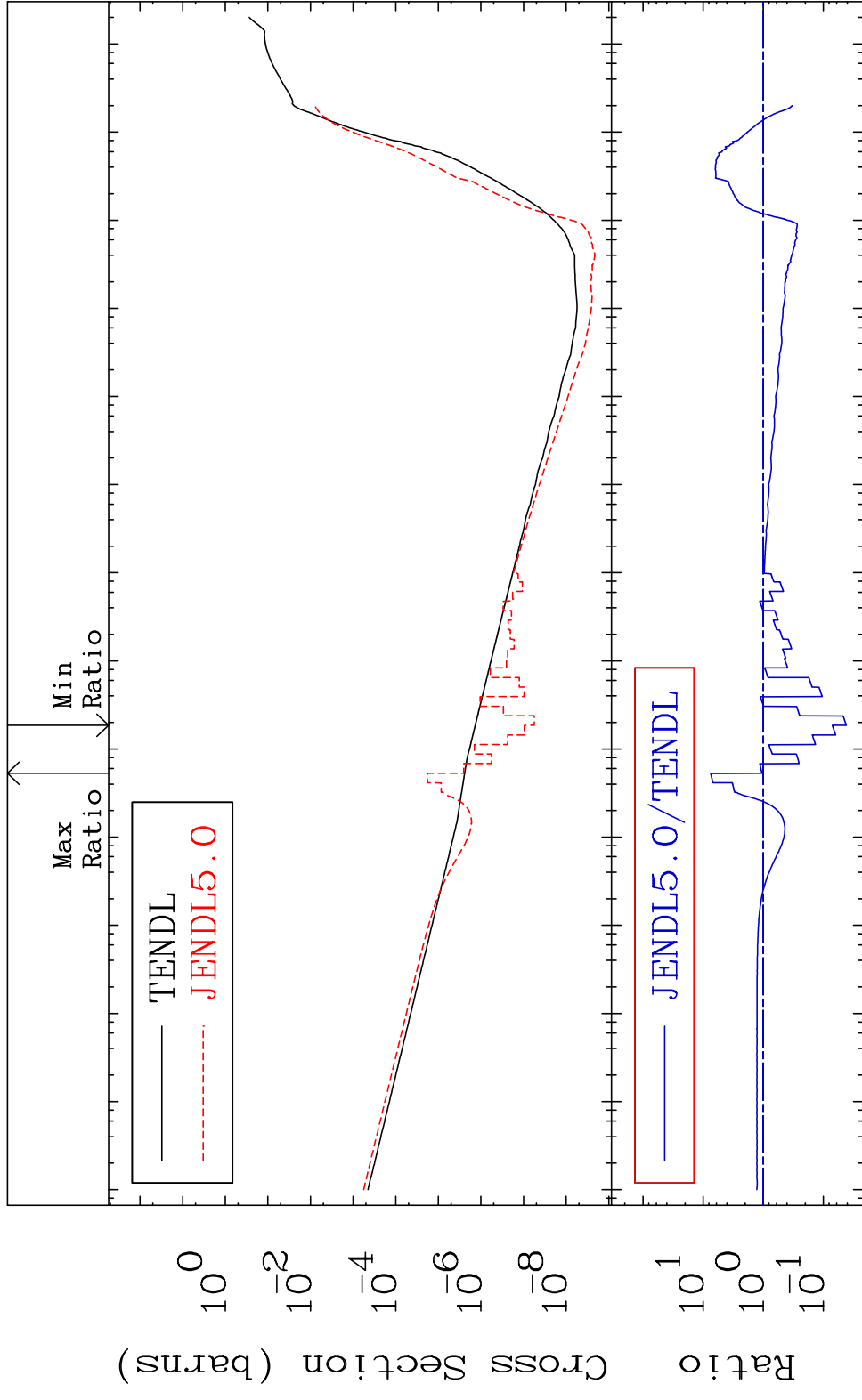


MAT 6325 Tritium Production 63-Eu-151  
 Cross Section -100.0 To 9999. %





MAT 6325 He-4 Production 63-Eu-151  
 Cross Section -95.86 To 646.4 %

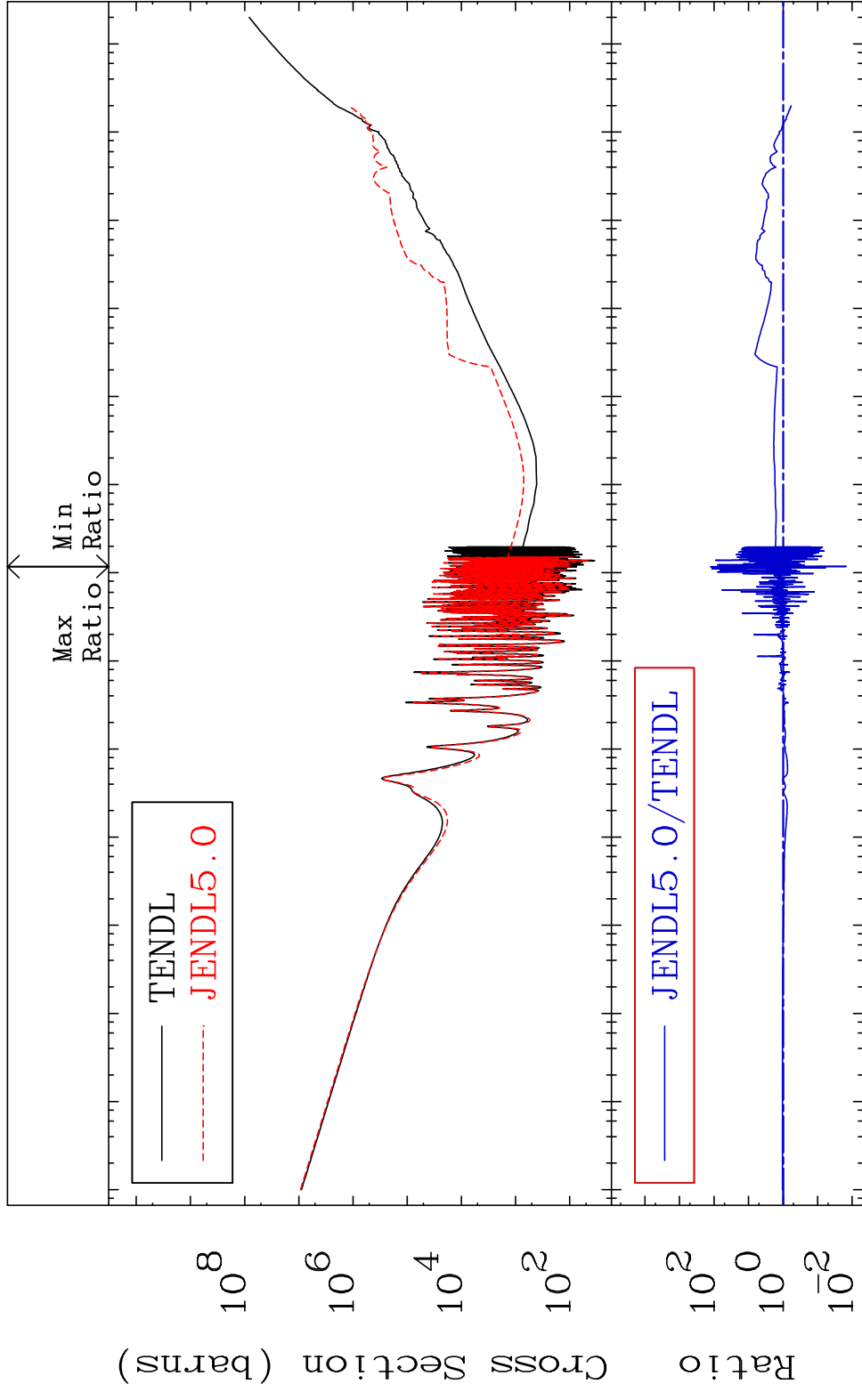


10<sup>0</sup>  
 10<sup>-2</sup>  
 10<sup>-4</sup>  
 10<sup>-6</sup>  
 10<sup>-8</sup>

10<sup>1</sup>  
 10<sup>0</sup>  
 10<sup>-1</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>

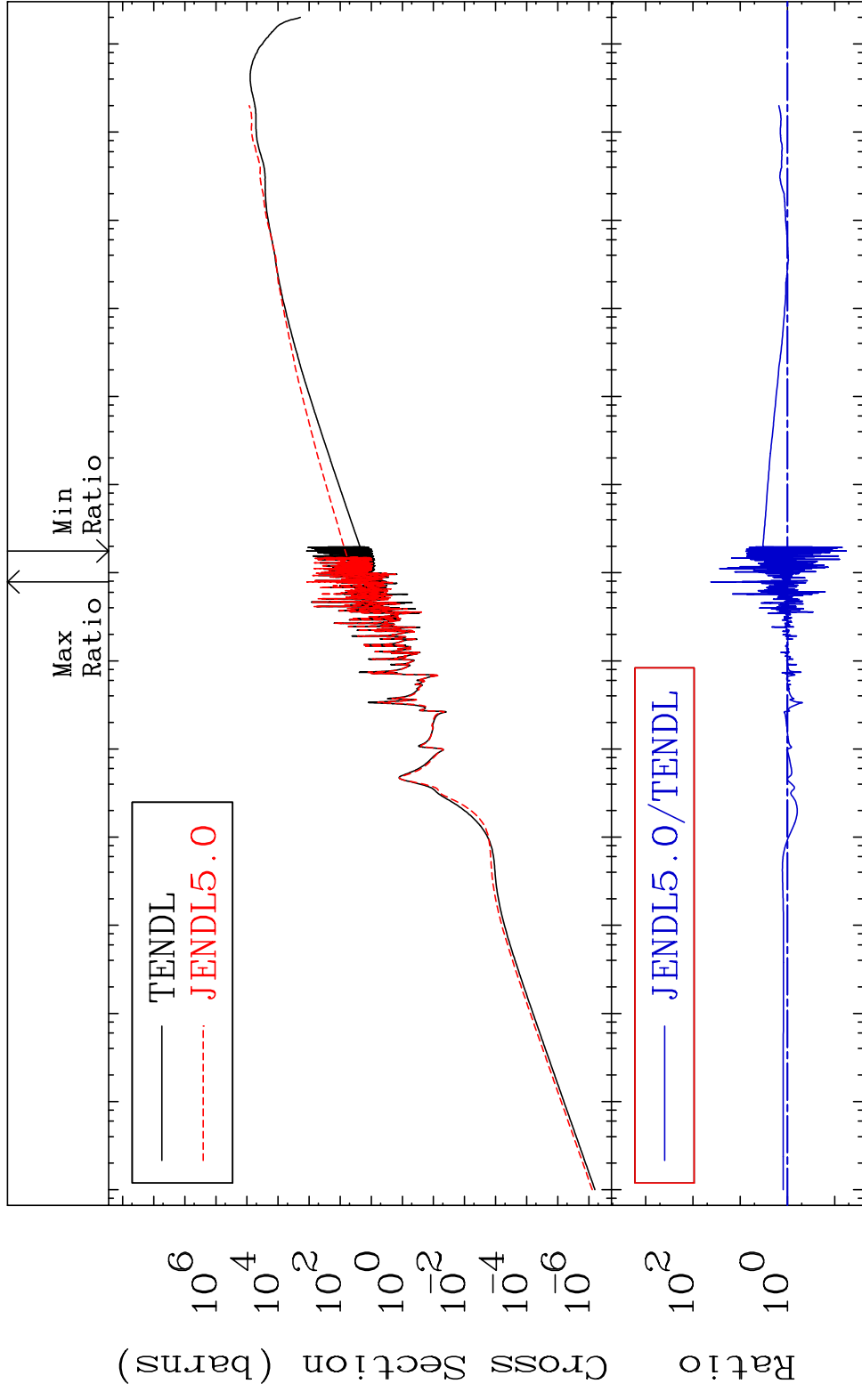
MAT 6325 Kerma total (eV-barns) 63-Eu-151  
 Cross Section -98.52 To 9999. %



MAT 6325

Kerma elastic Cross Section -94.34 To 4096. %

63-Eu-151



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>

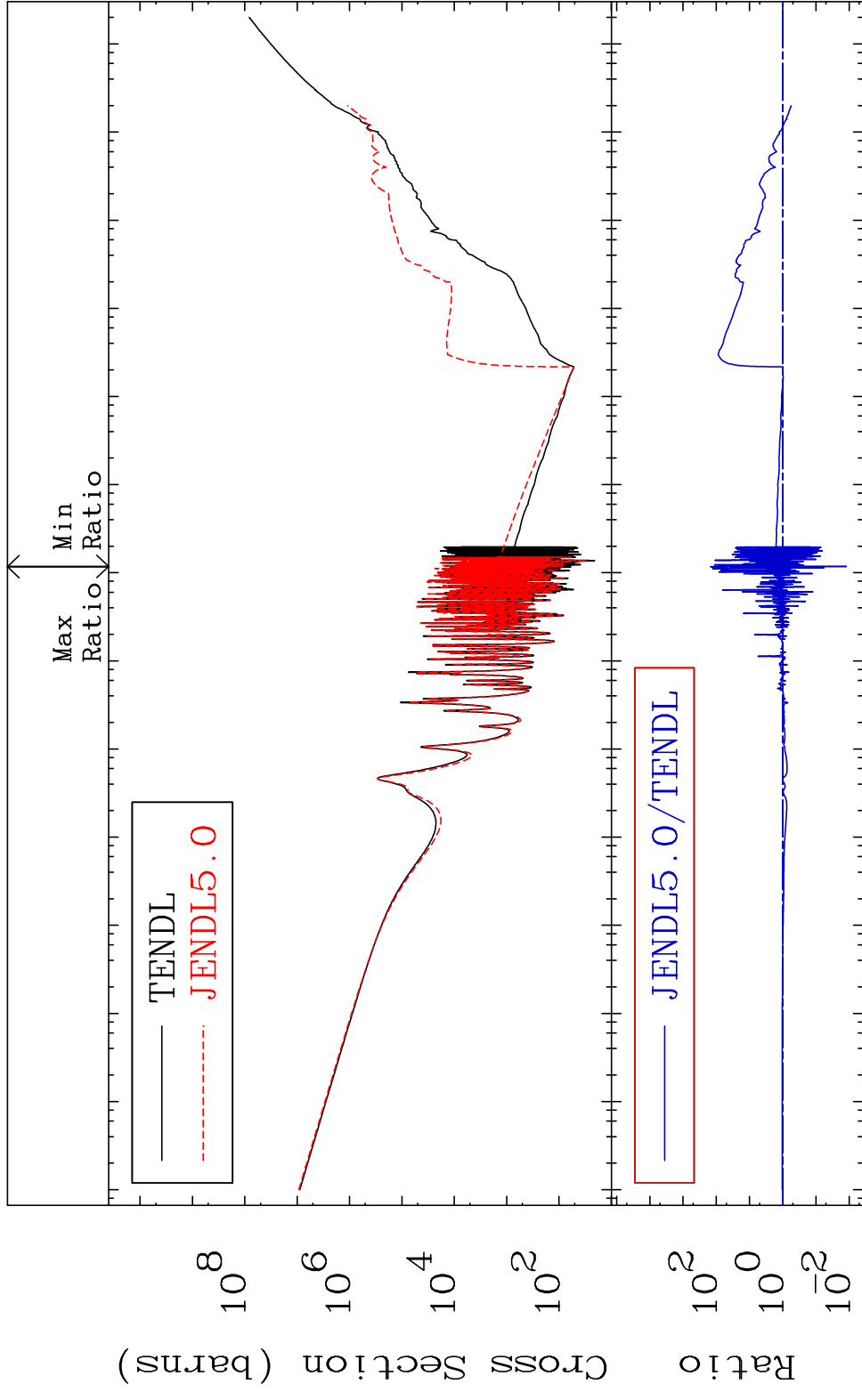
55

Incident Energy (eV)

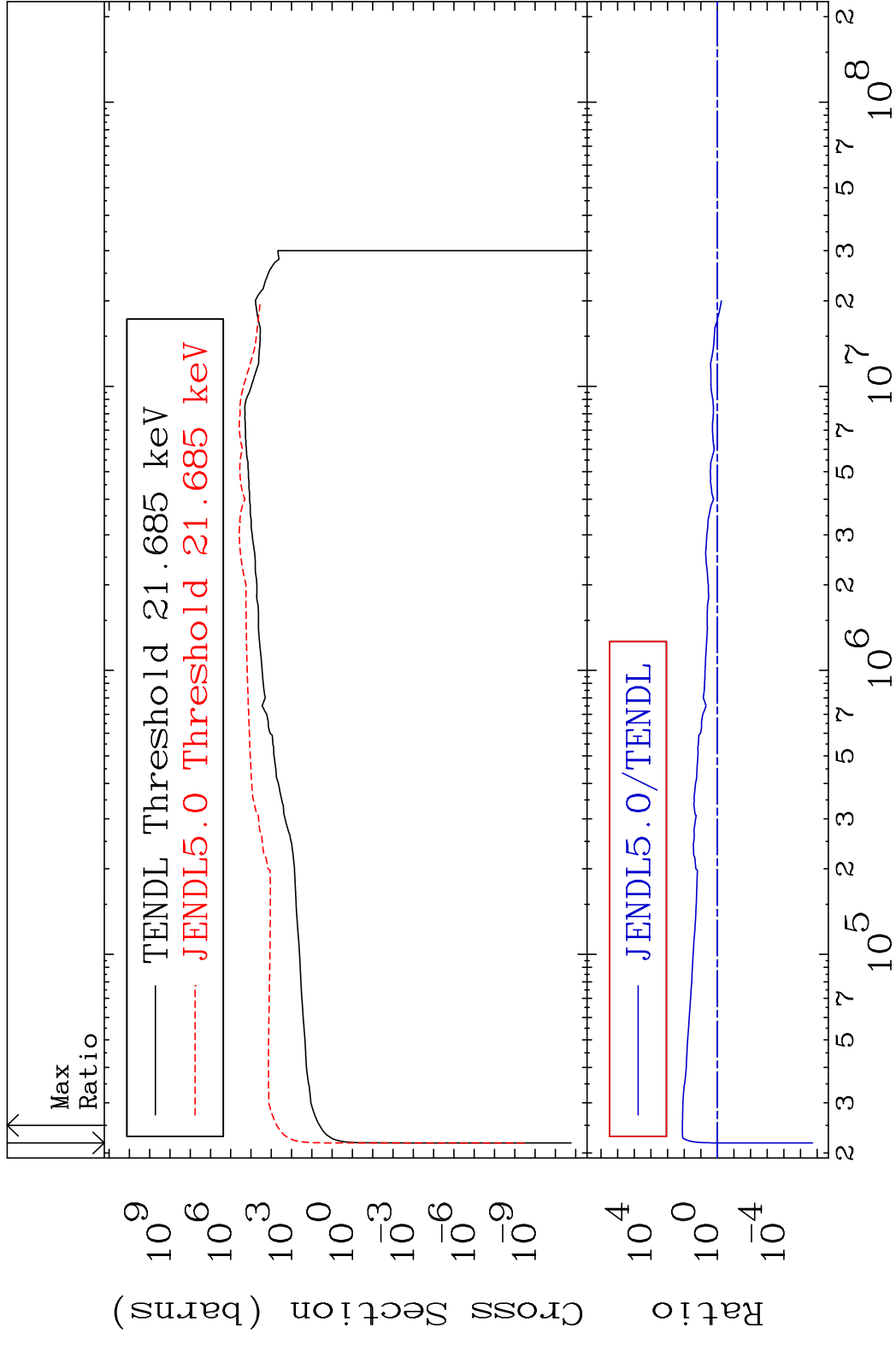
63-Eu-151



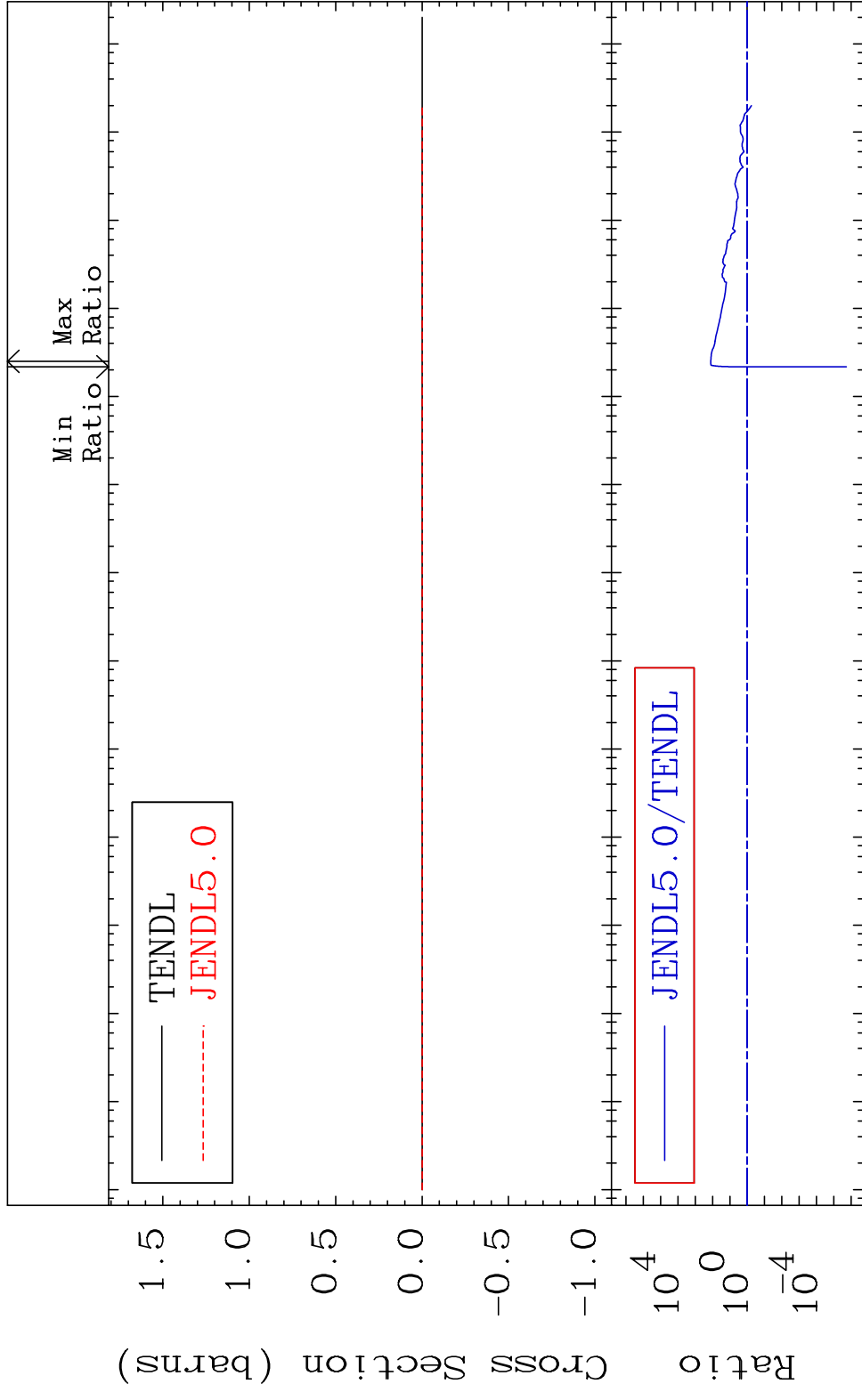
MAT 6325 Kerma non-elastic (all but mt2) 63-Eu-151  
 Cross Section -98.77 To 9999. %



MAT 6325 Kerma inelastic (mt51-91) 63-Eu-151  
 Cross Section -100.0 To 9999. %

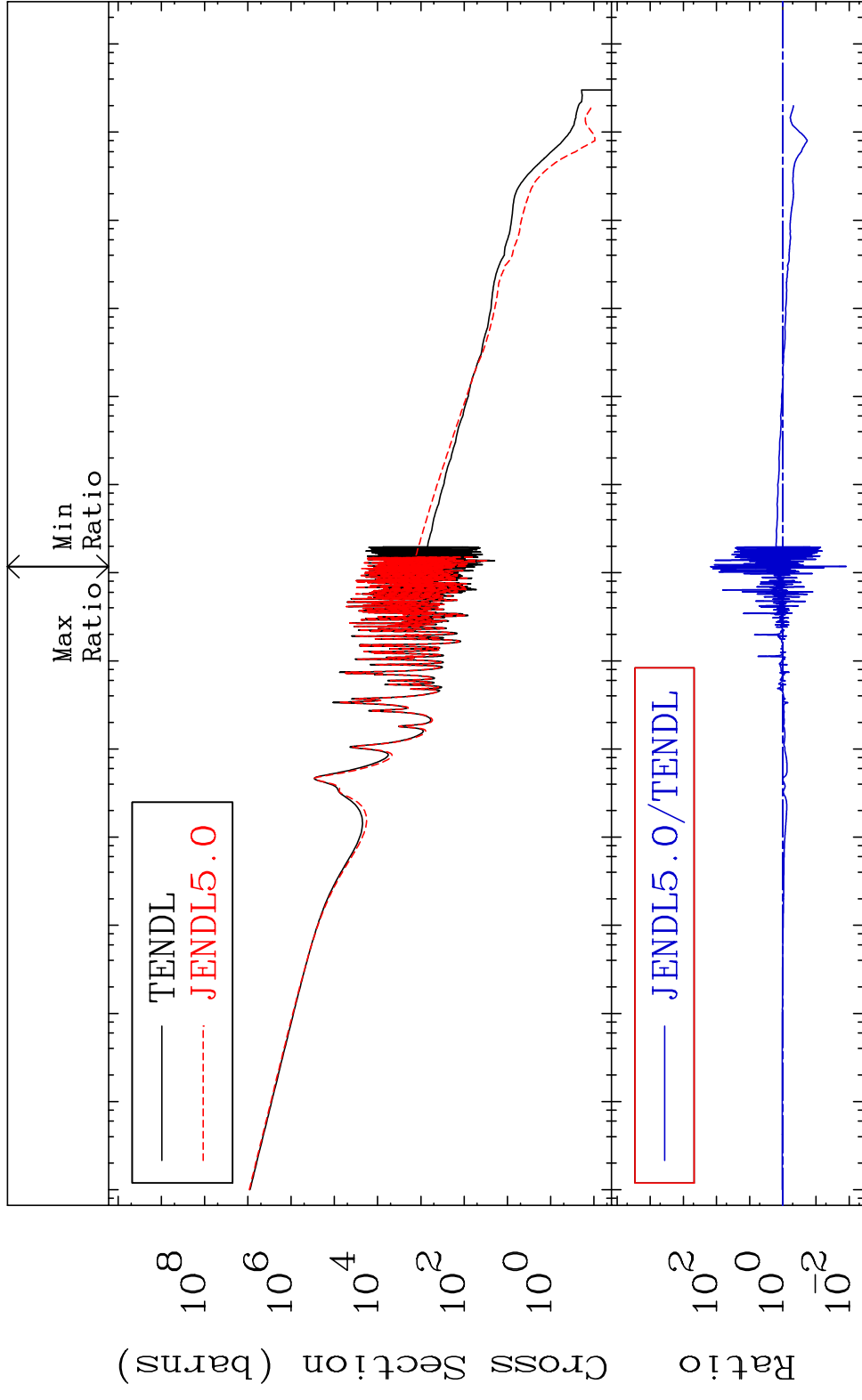


MAT 6325 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-151  
 Cross Section -100.0 To 9999. %



MAT 6325

Kerma capture (mt102) 63-Eu-151  
Cross Section -98.79 To 9999. %

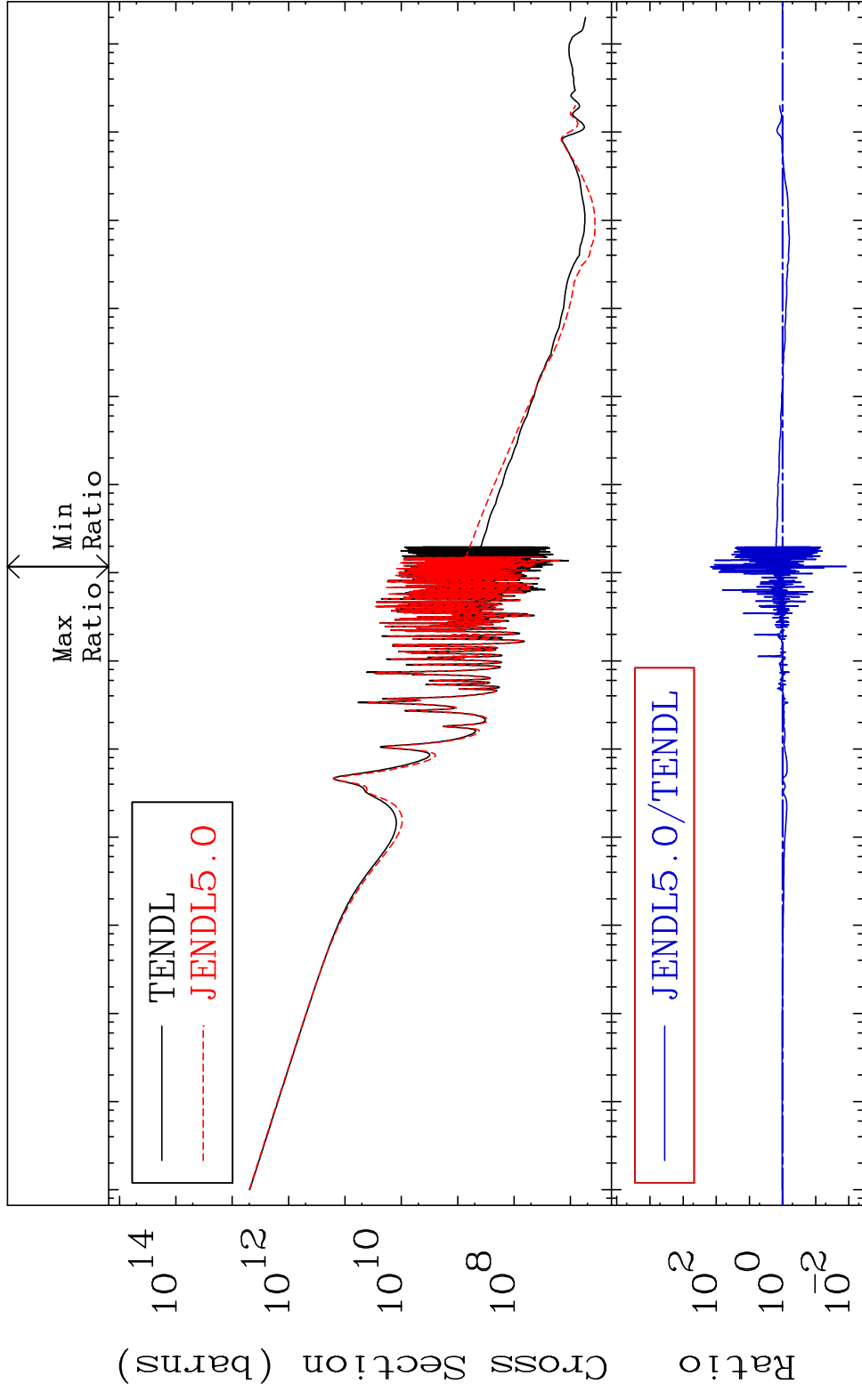


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Incident Energy (eV)

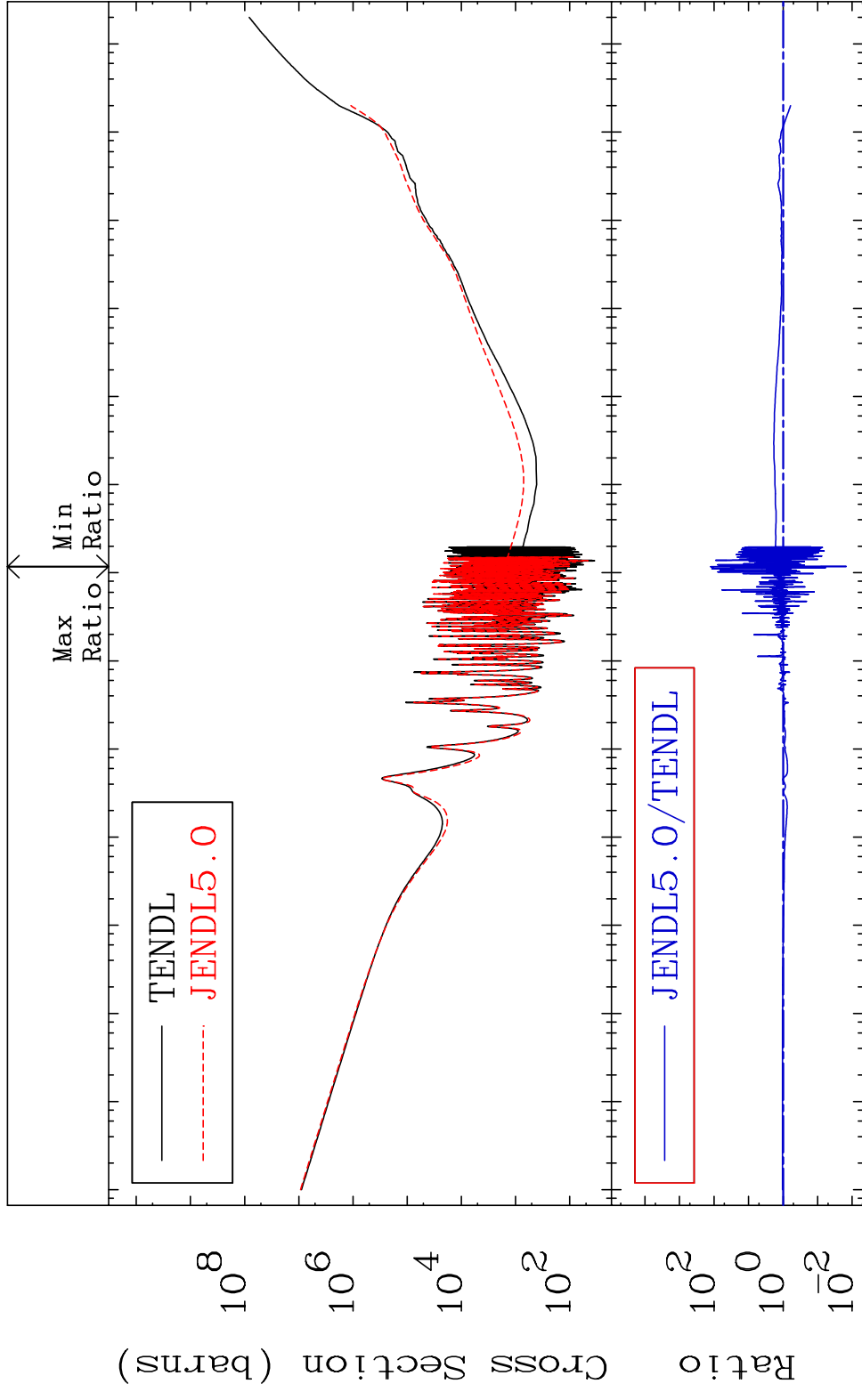
63-Eu-151

MAT 6325 Total photon (eV-barns) 63-Eu-151  
Cross Section -98.81 To 9999. %



60 Incident Energy (eV) 63-Eu-151

MAT 6325 Total kinematic kerma (high limit) 63-Eu-151  
 Cross Section -98.52 To 9999. %

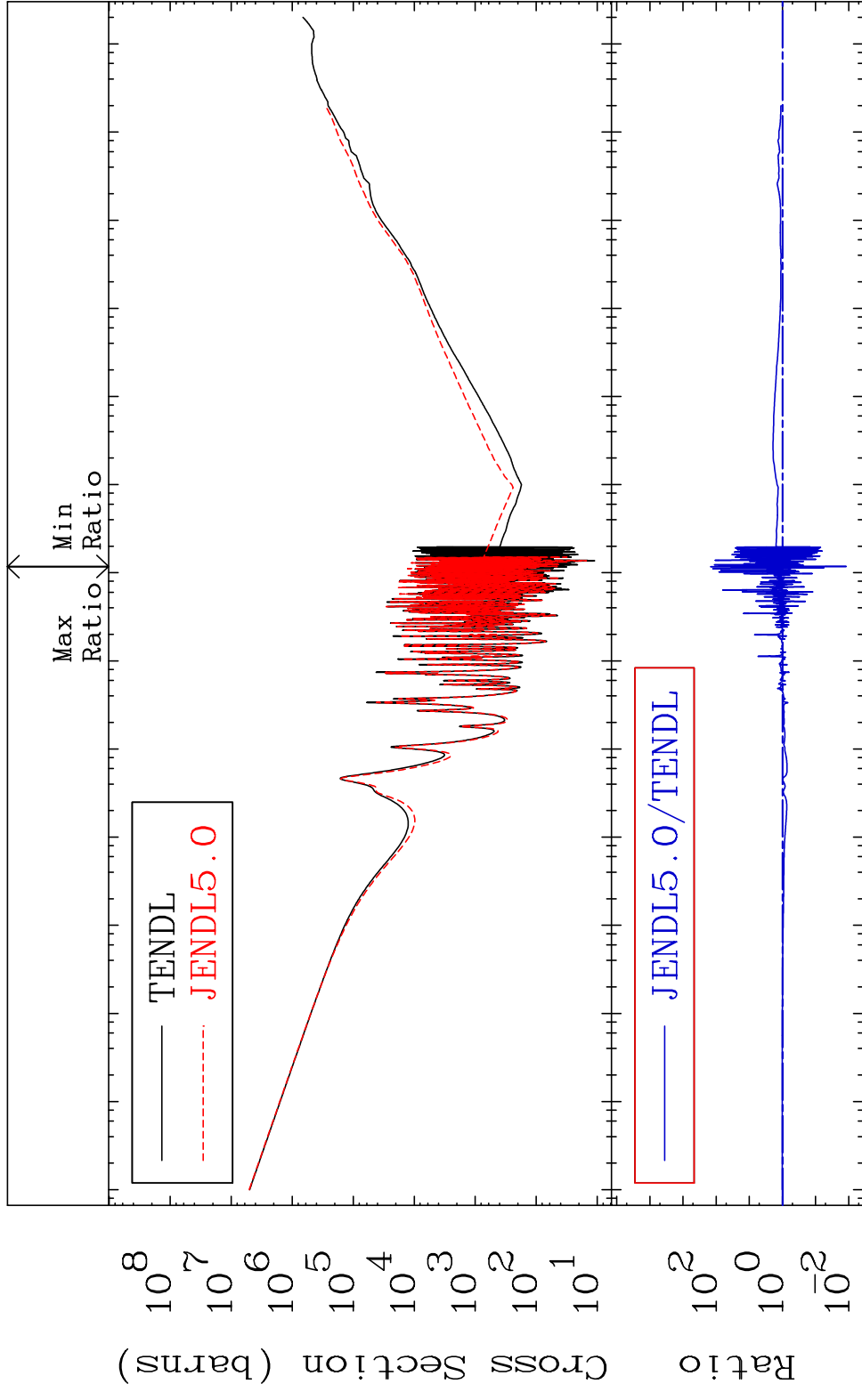


MAT 6325

Dpa total (eV-barns)

63-Eu-151

Cross Section -98.82 To 9999. %



62

Incident Energy (eV)

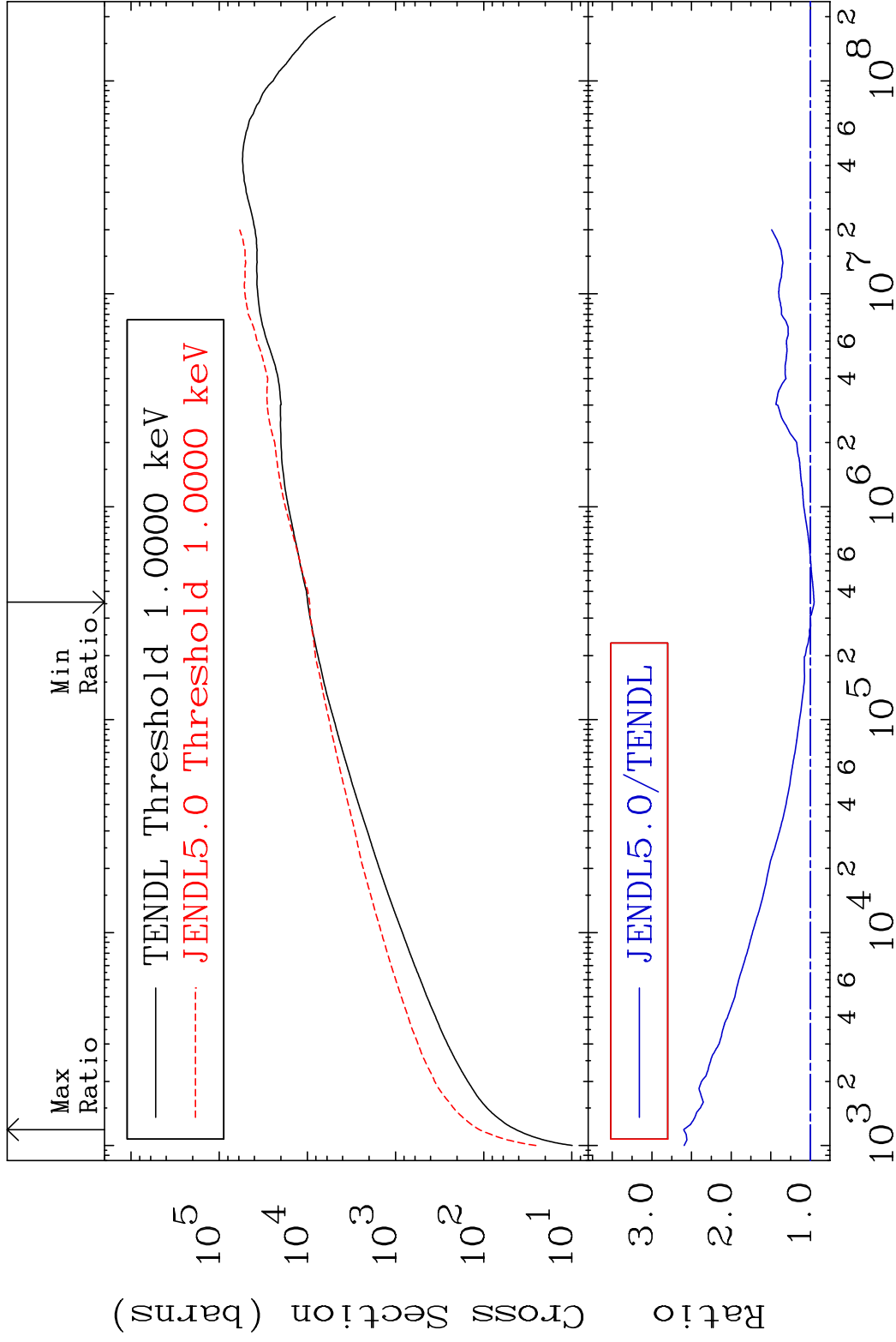
63-Eu-151

MAT 6325

Dpa elastic (mt2)

63-Eu-151

Cross Section -4.676 To 159.9 %



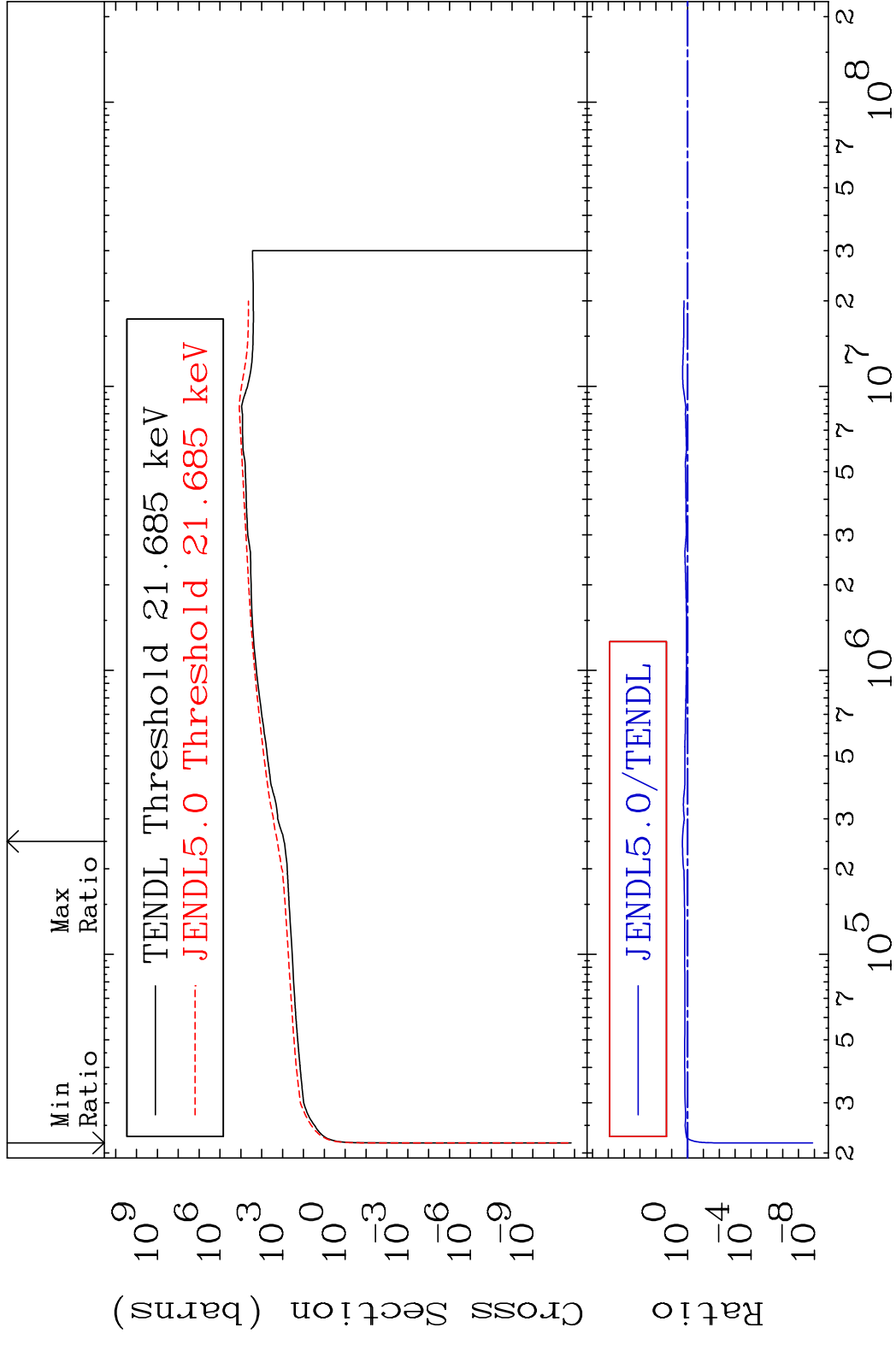
63

Incident Energy (eV)

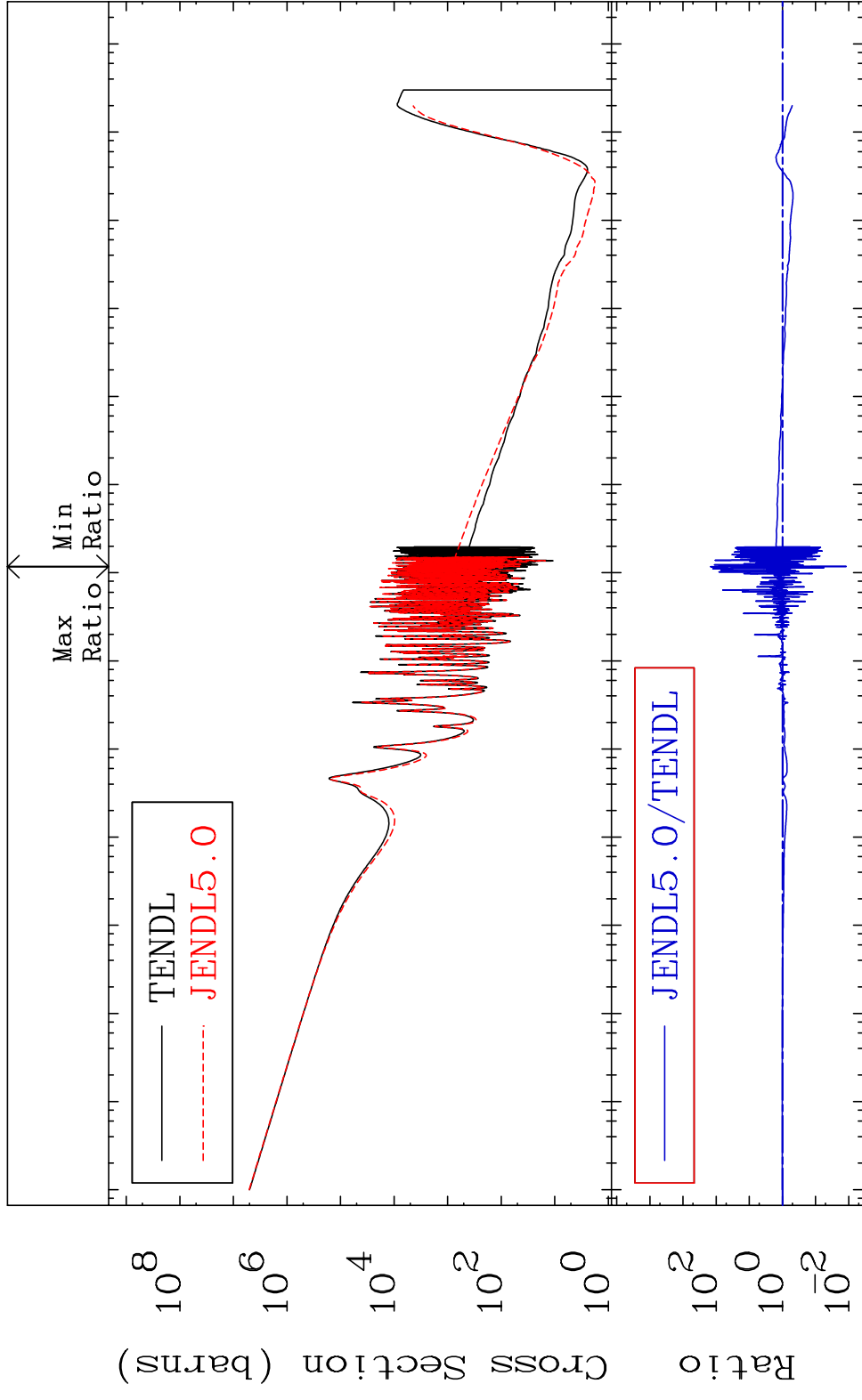
63-Eu-151



MAT 6325      Dpa inelastic (mt51-91)      63-Eu-151  
 Cross Section      -100.0 To 114.3 %

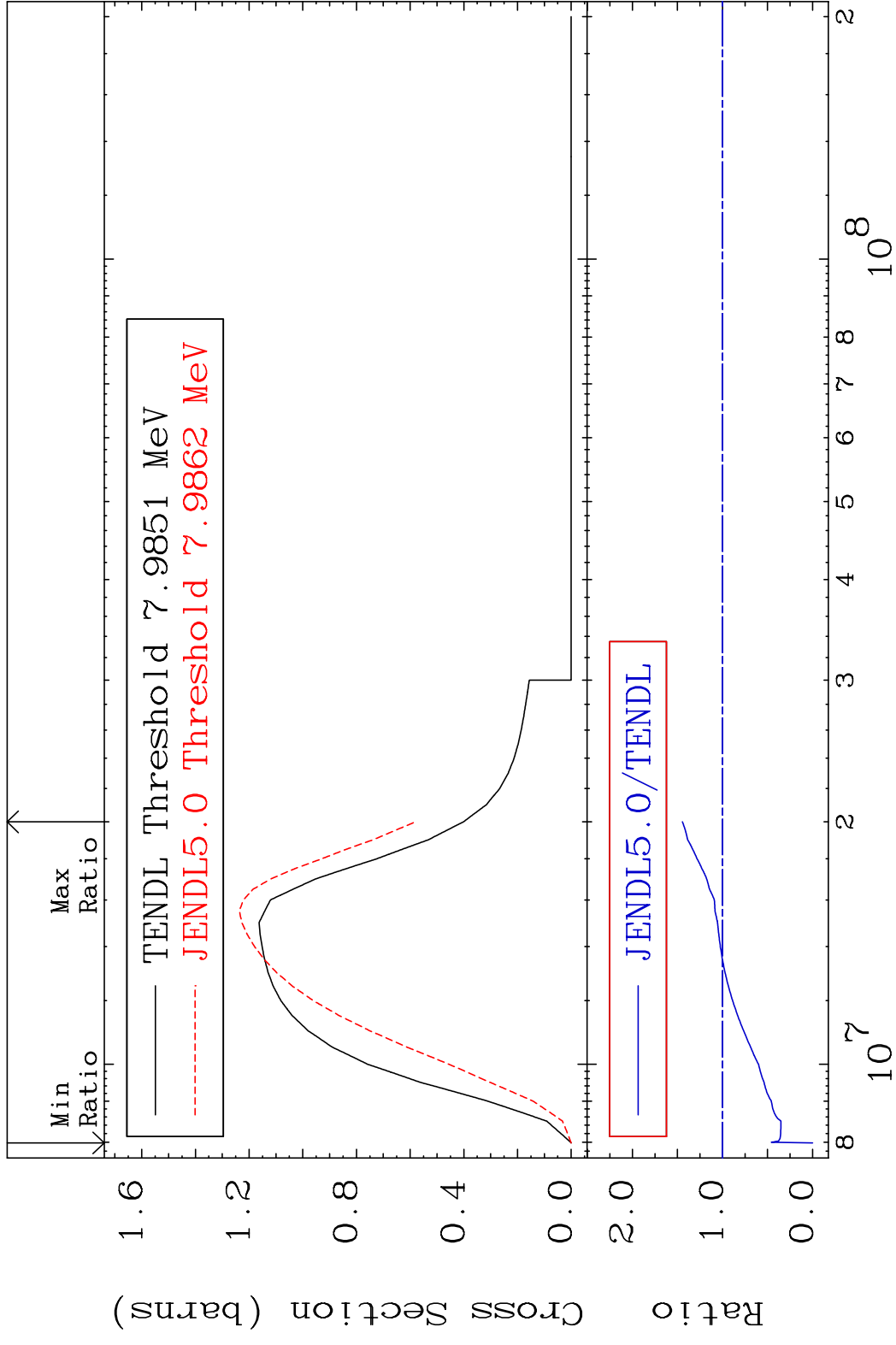


MAT 6325 Dpa disappearance (mt102 -120) 63-Eu-151  
 Cross Section -98.82 To 9999. %



65 Incident Energy (eV) 63-Eu-151

MAT 6325 (n,2n):63-Eu-150g 63-Eu-151  
 Radionuclide Production Cross Section 180.01 dth 44.59 %



MAT 6325 (n,2n):63-Eu-150m1 63-Eu-151  
 Radionuclide Production Cross Section 10.32 %

