

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

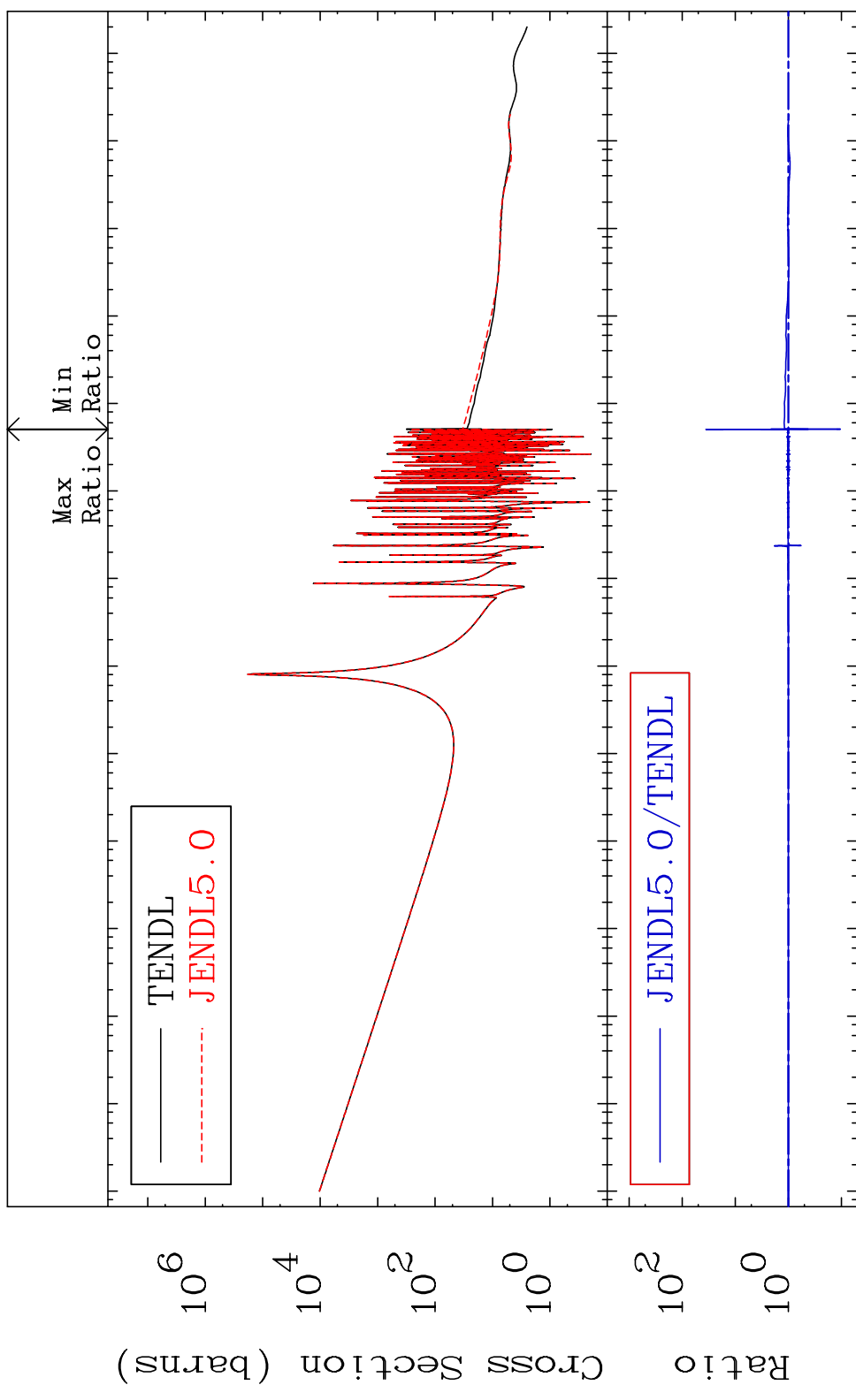
MAT 6249

Total

62-Sm-152

Cross Section

-89.52 To 3498. %



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

1 Incident Energy (eV)

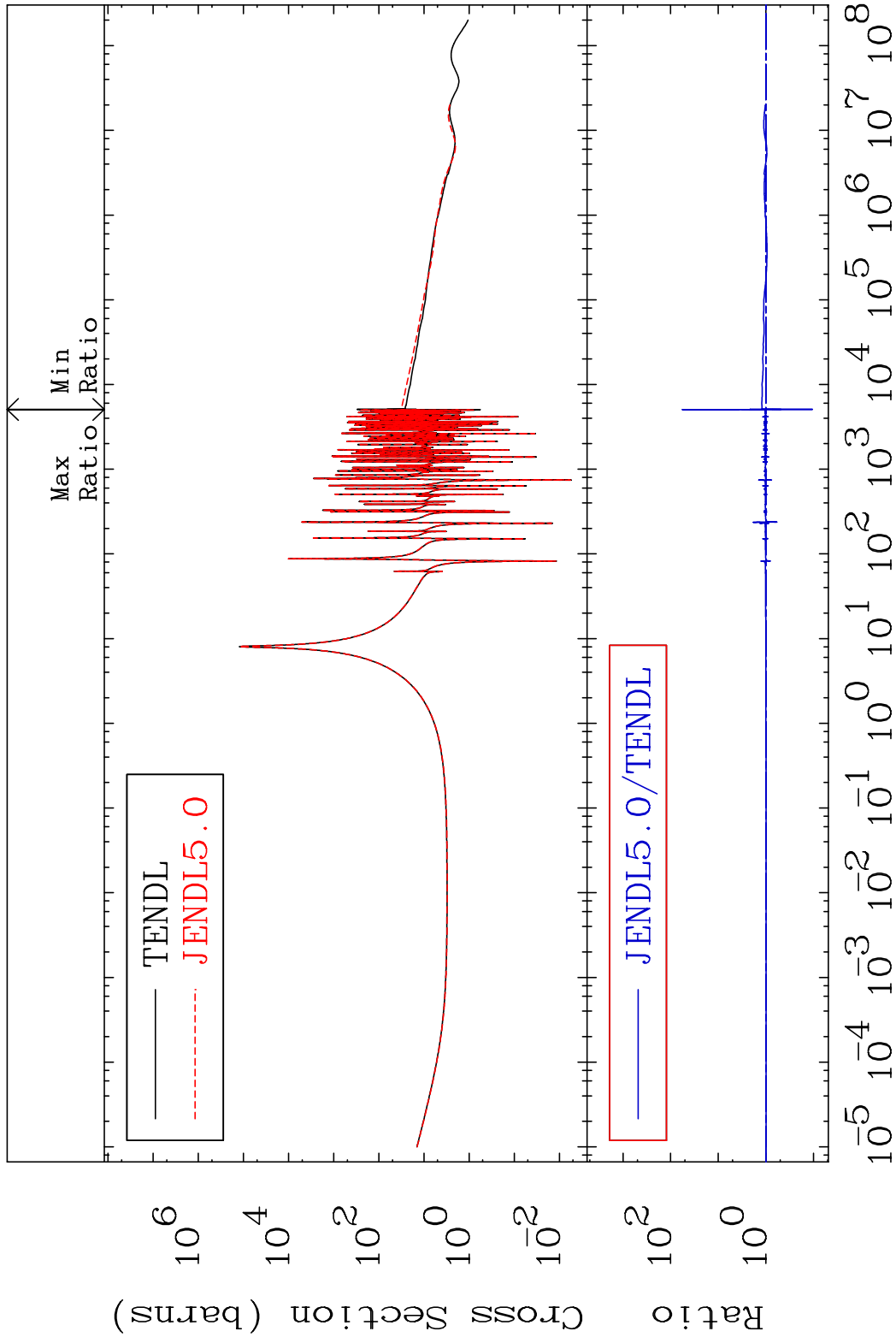
62-Sm-152

MAT 6249

Elastic

62-Sm-152

Cross Section -89.57 To 5571. %

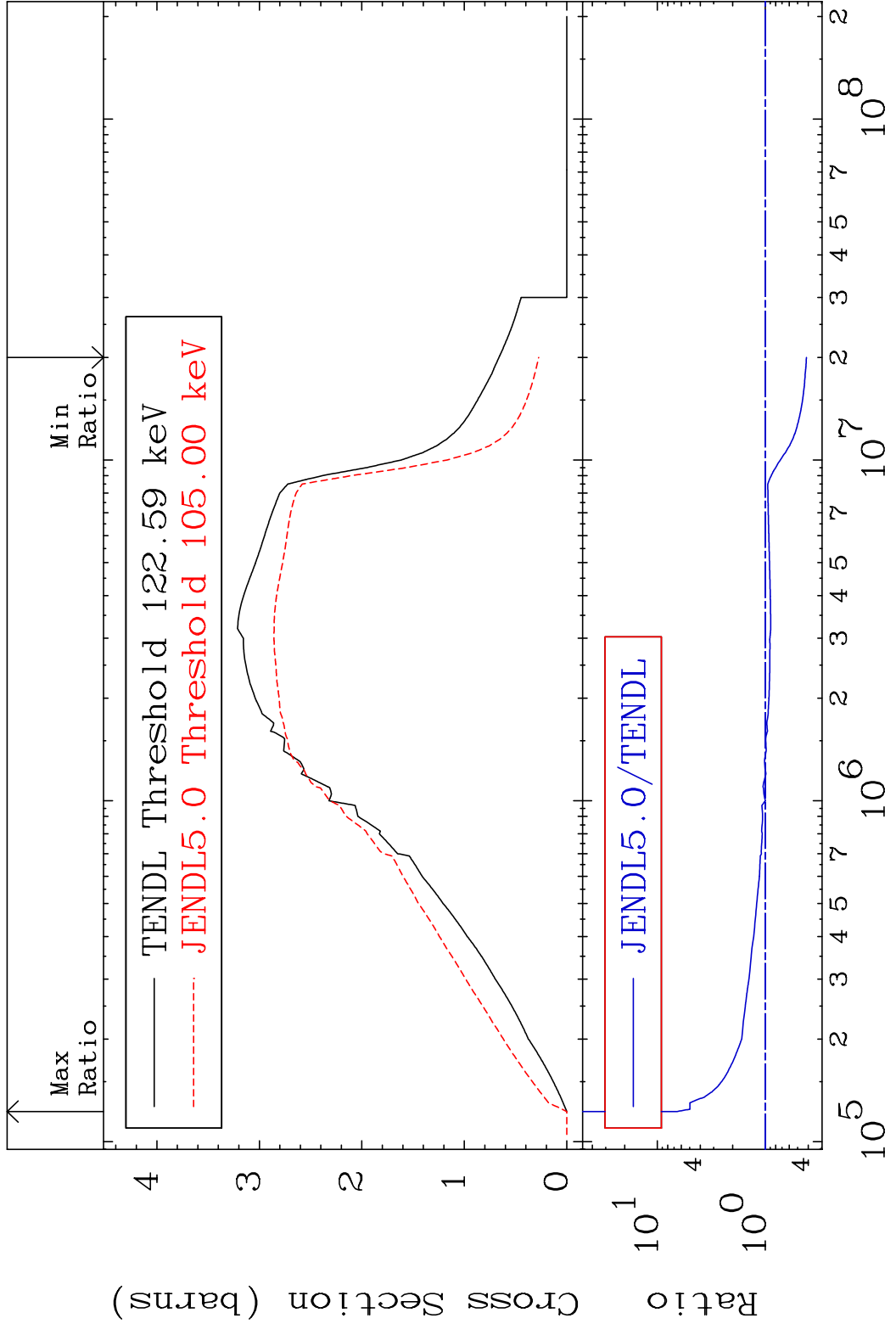


2

Incident Energy (eV)

62-Sm-152

MAT 6249 Inelastic 62-Sm-152  
 Cross Section -58.45 To 553.8 %



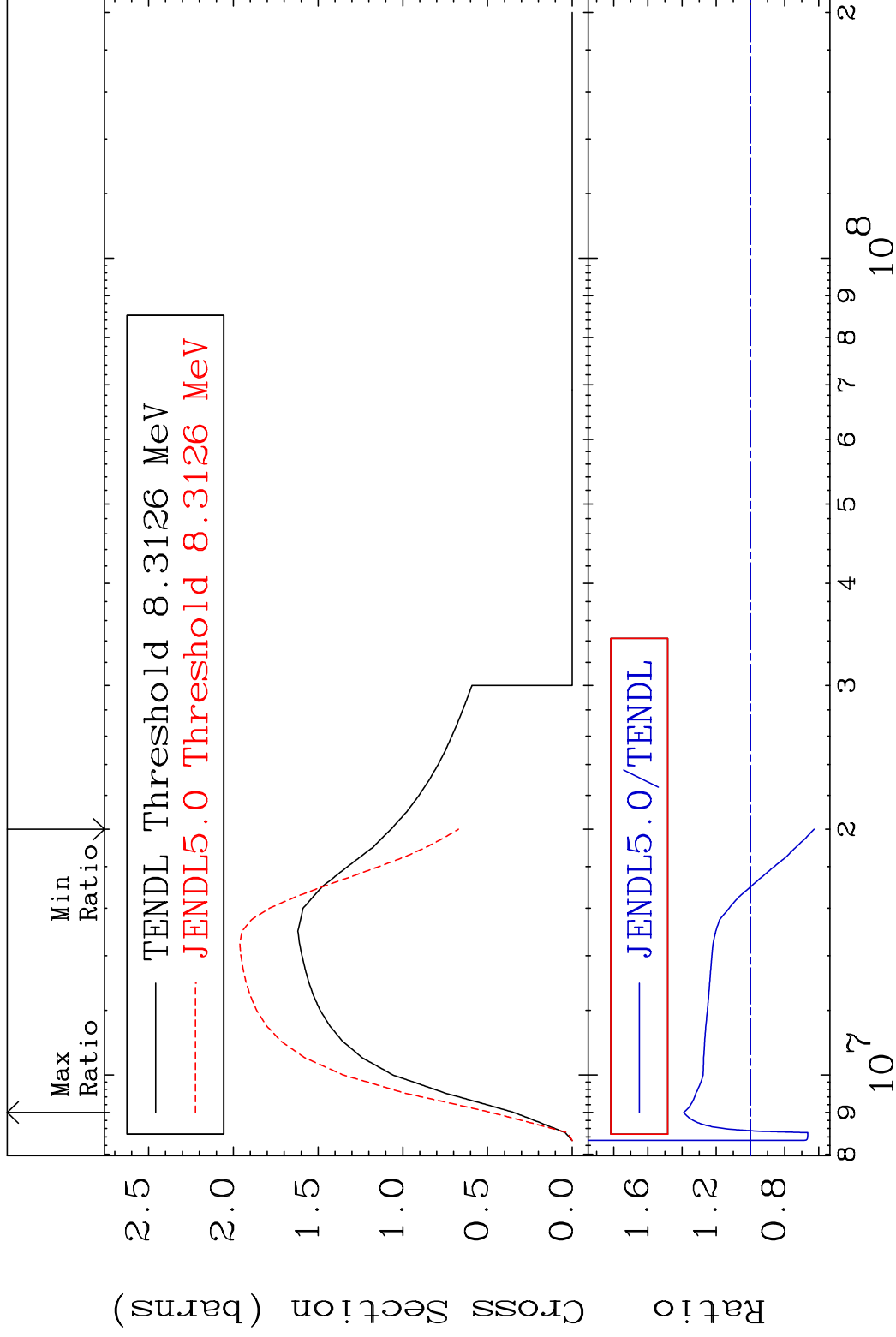
3 Incident Energy (eV) 62-Sm-152

MAT 6249

(n,2n)

62-Sm-152

Cross Section -37.25 To 39.06 %



4

Incident Energy (eV)

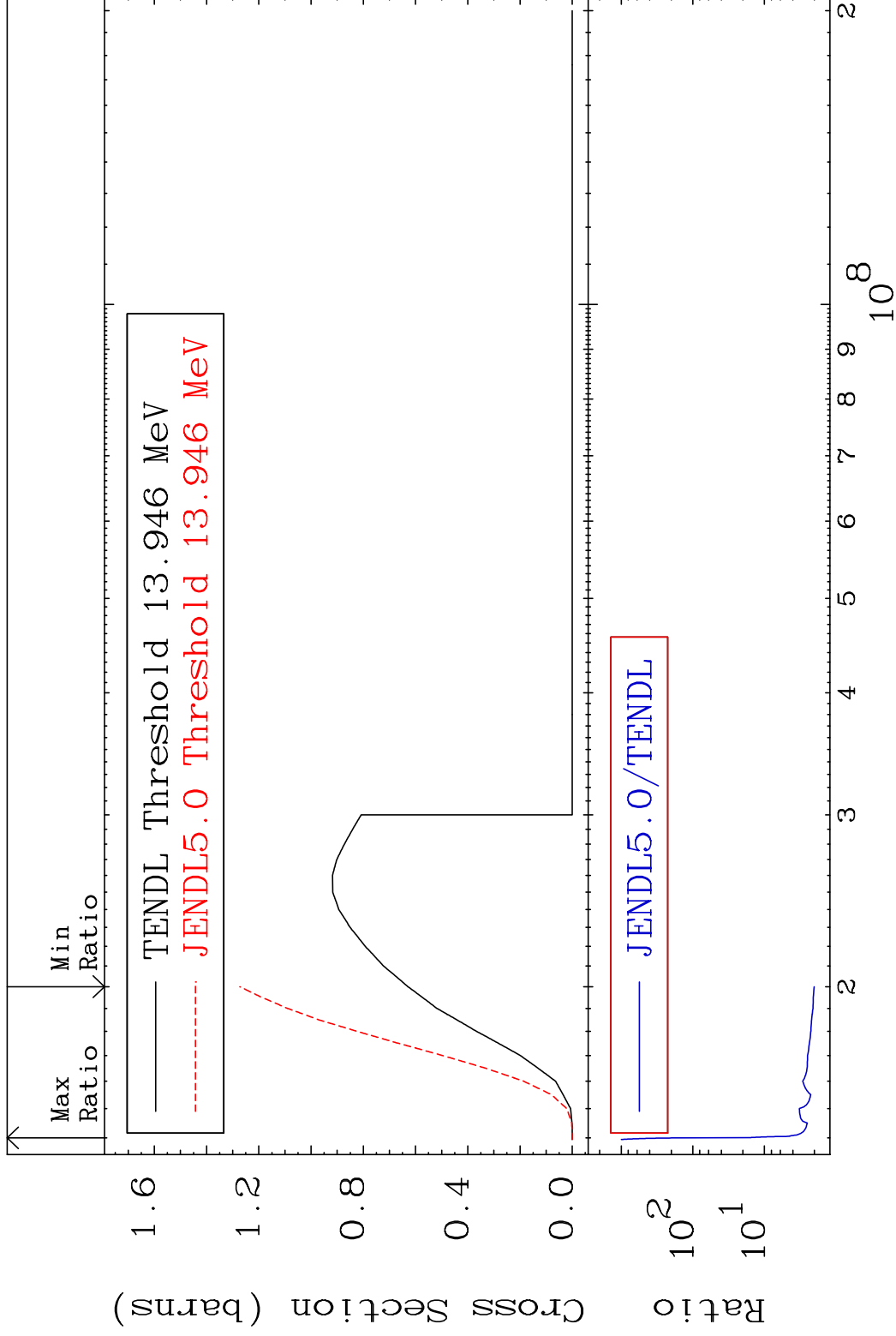
62-Sm-152

MAT 6249

(n,3n)

62-Sm-152

Cross Section 102.4 To 9999. %



5

Incident Energy (eV)

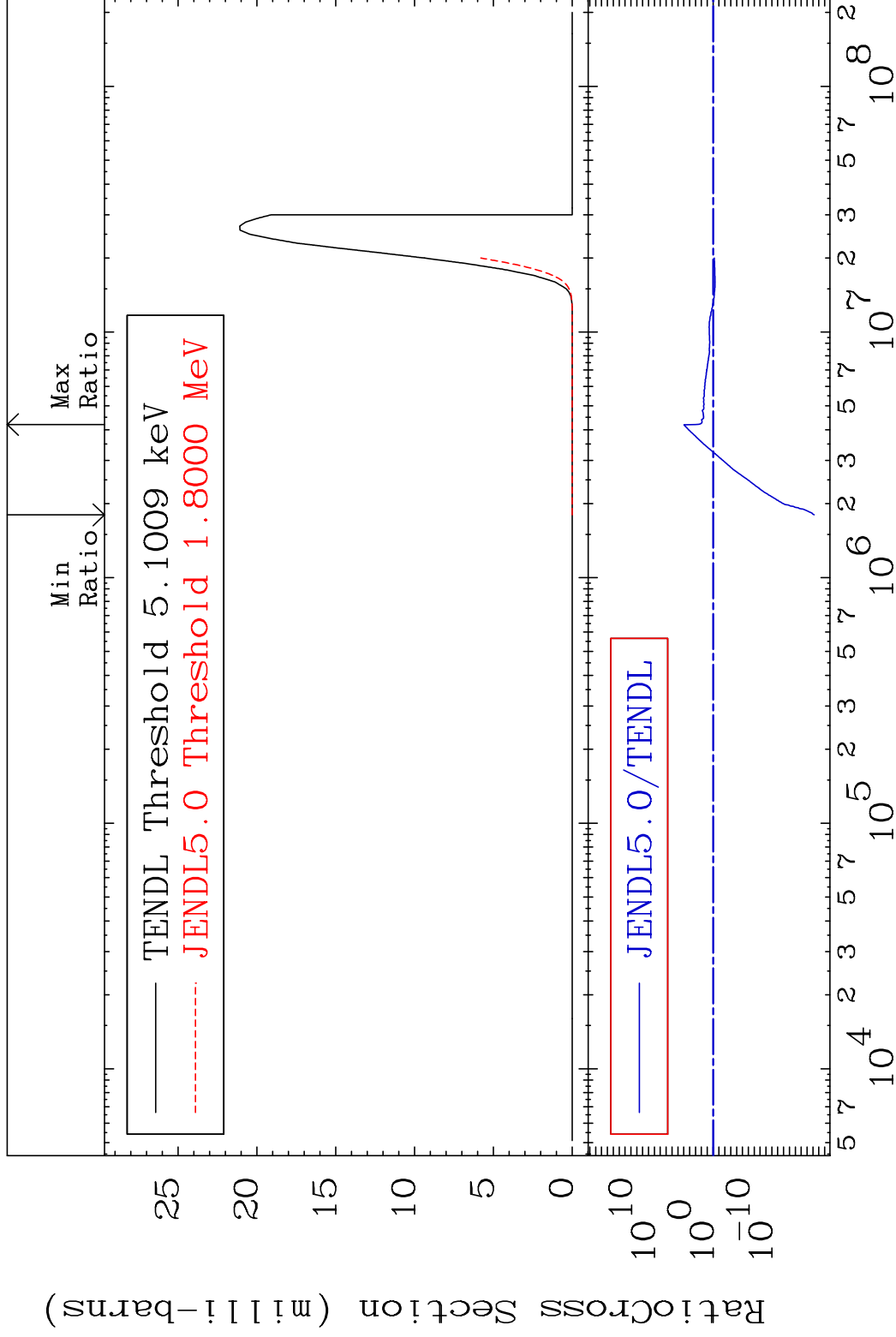
62-Sm-152

MAT 6249

(n, n')  $\alpha$

62-Sm-152

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

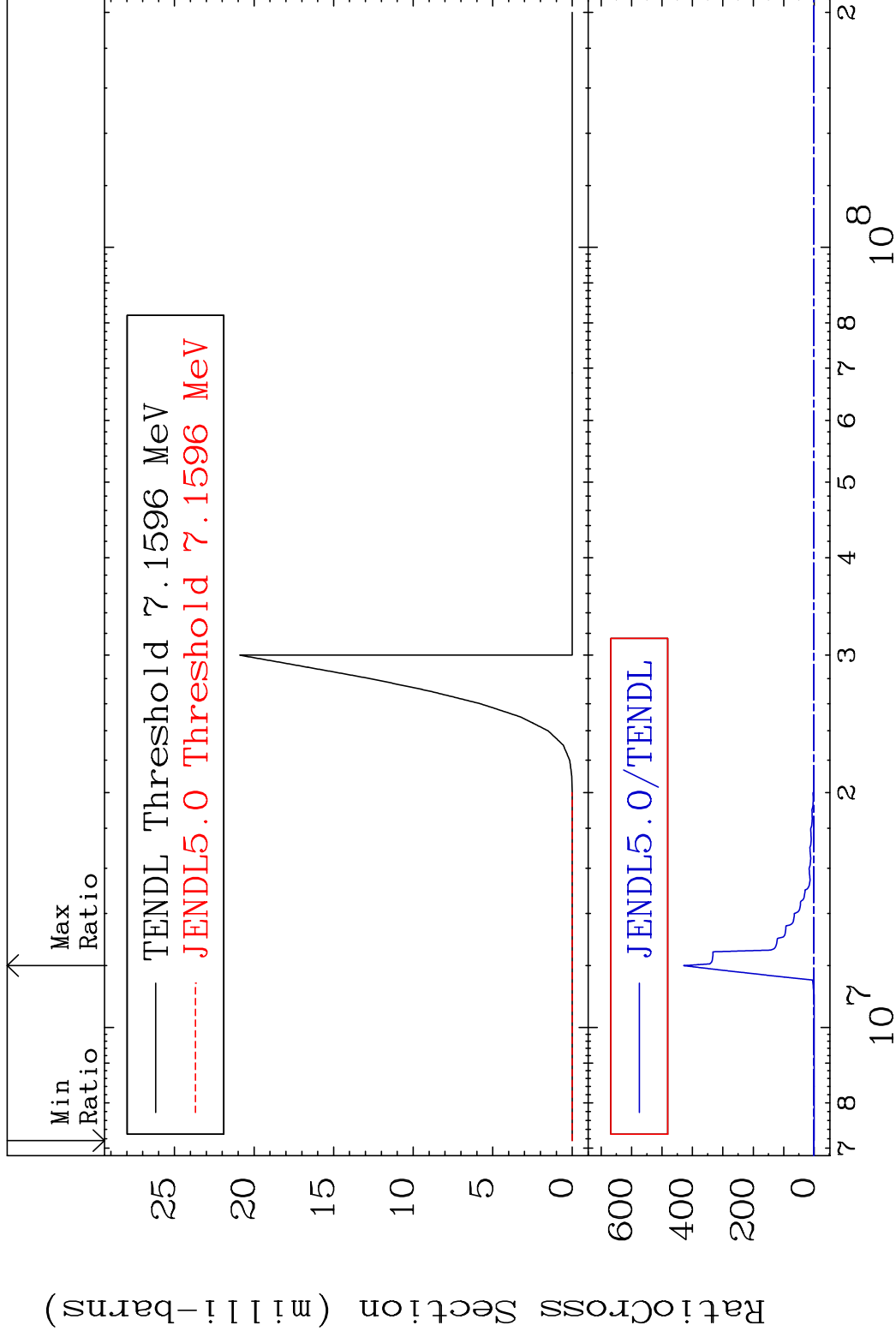
62-Sm-152

MAT 6249

(n,2n)  $\alpha$

62-Sm-152

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

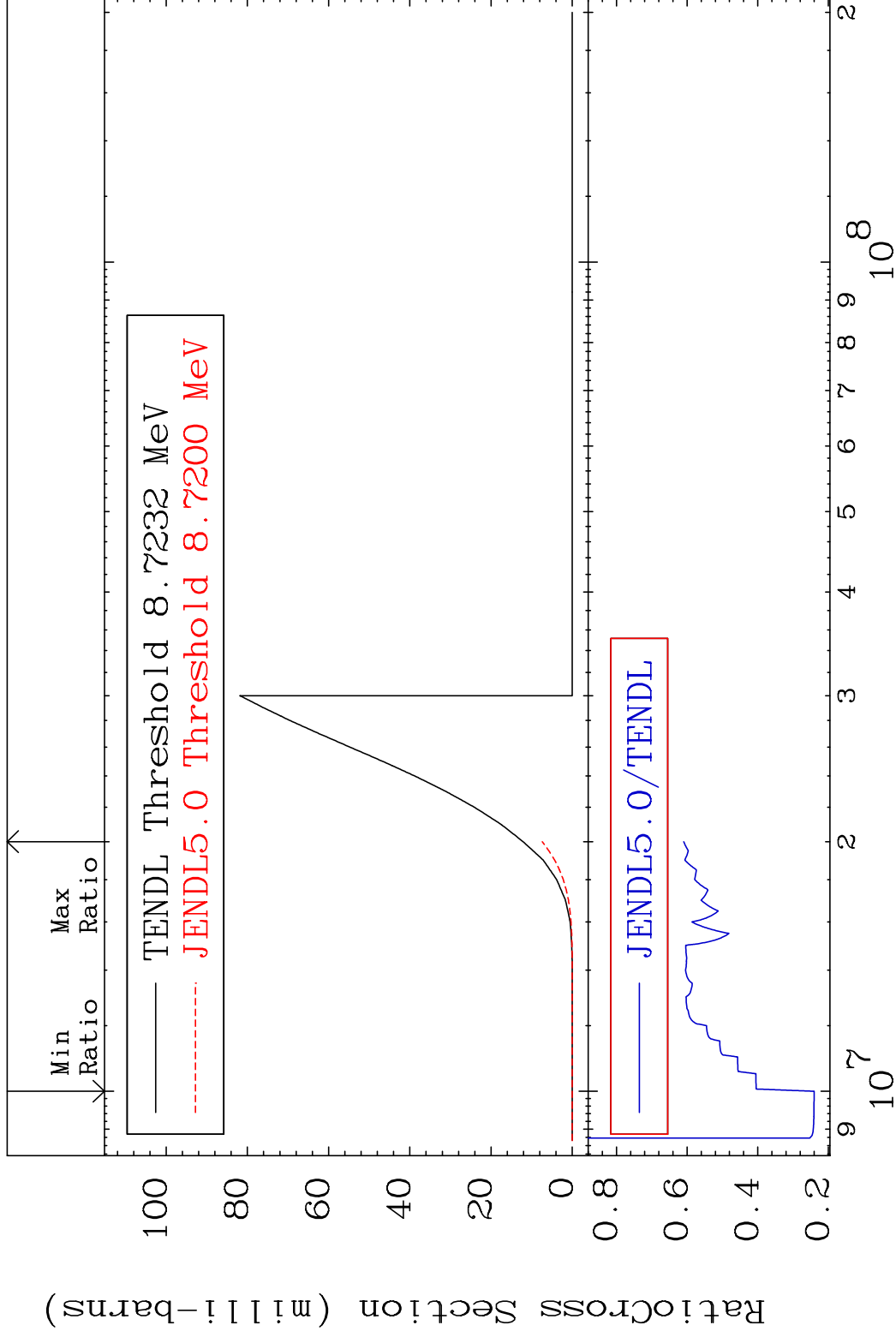
62-Sm-152

MAT 6249

(n, n') p

62-Sm-152

Cross Section -75.96 To -39.03%



8

Incident Energy (eV)

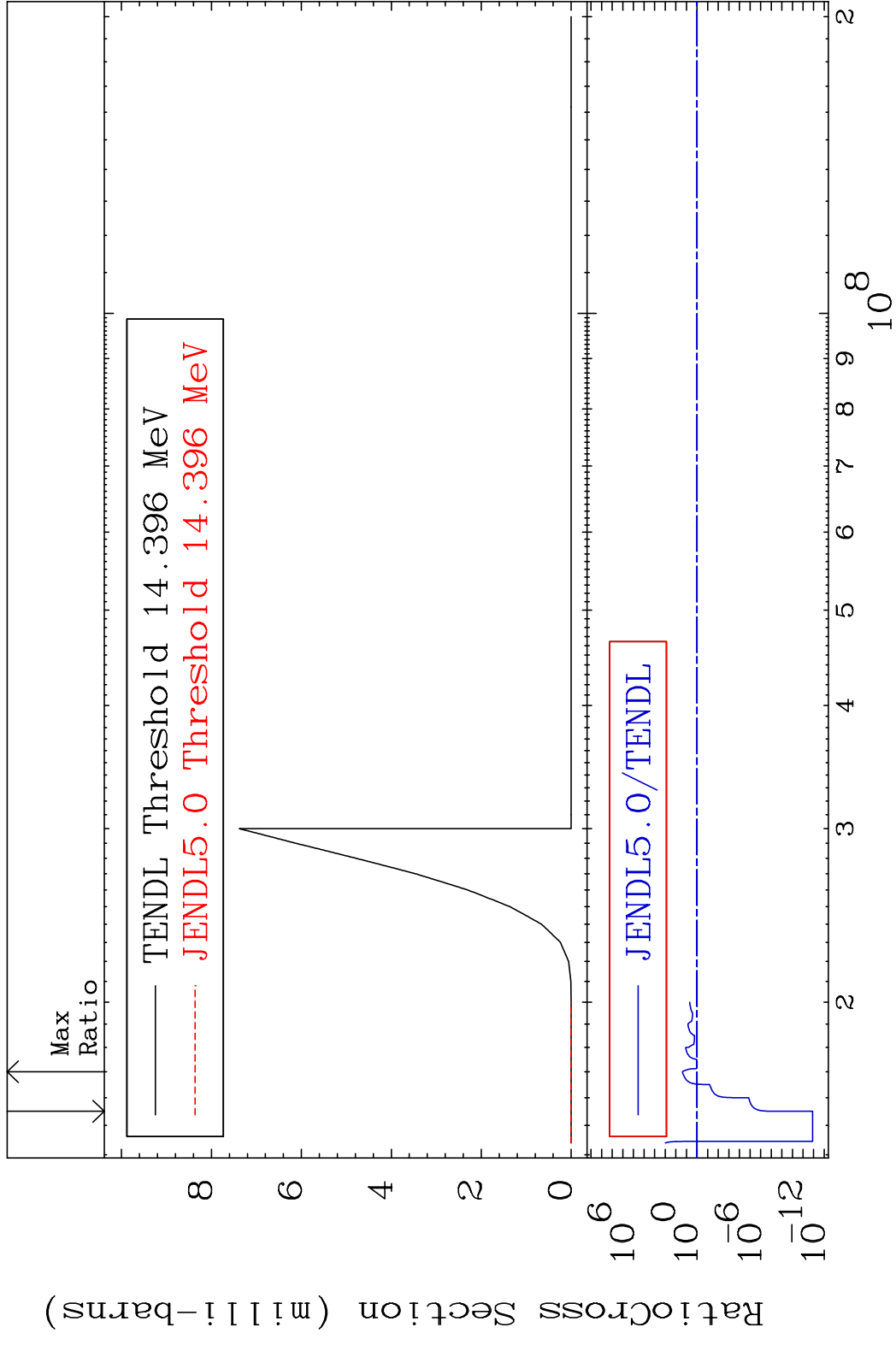
62-Sm-152

MAT 6249

(n, n') d

62-Sm-152

Cross Section -100.0 To 2324. %

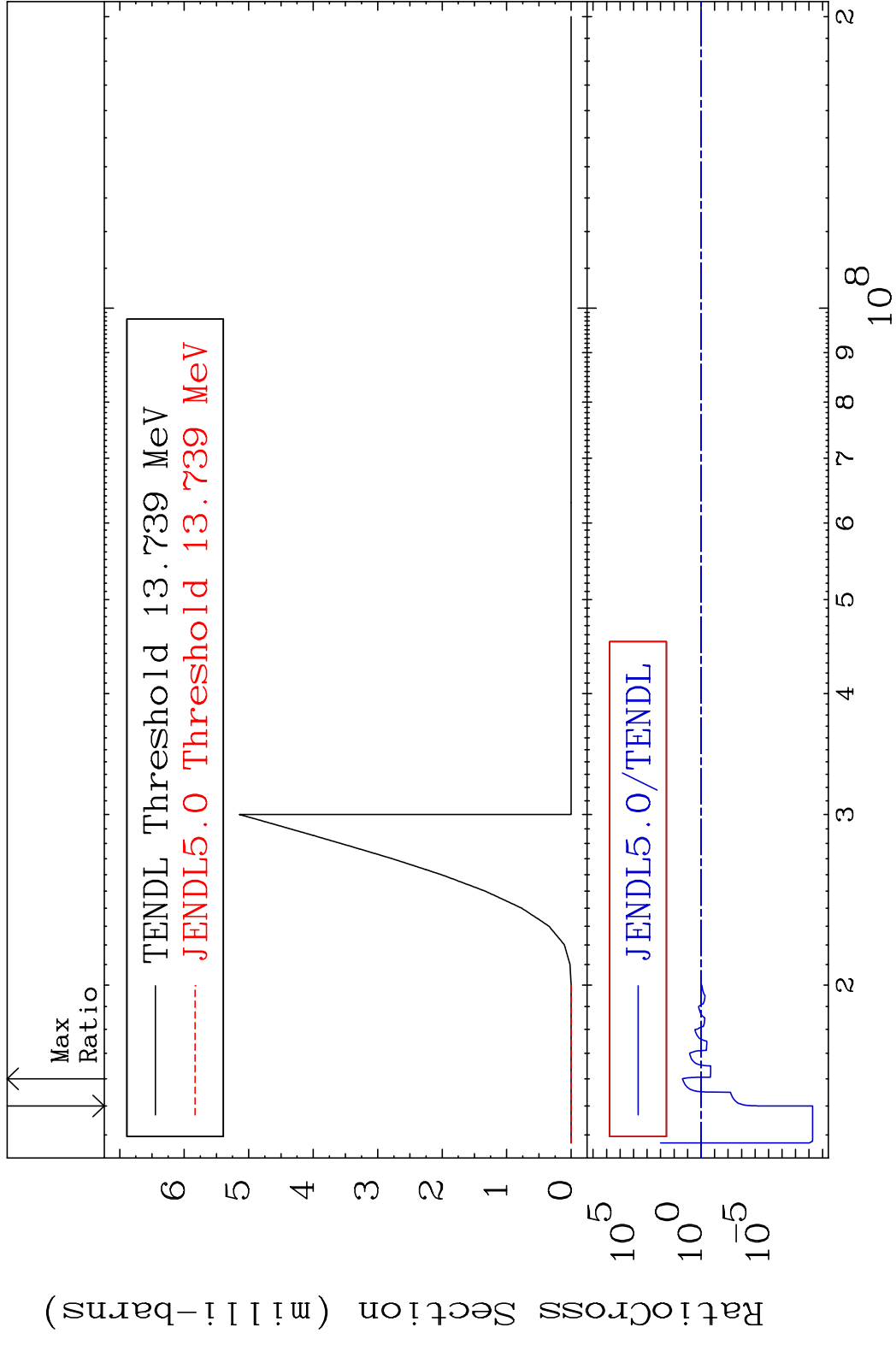


MAT 6249

(n, n') t

62-Sm-152

Cross Section -100.0 To 2339. %

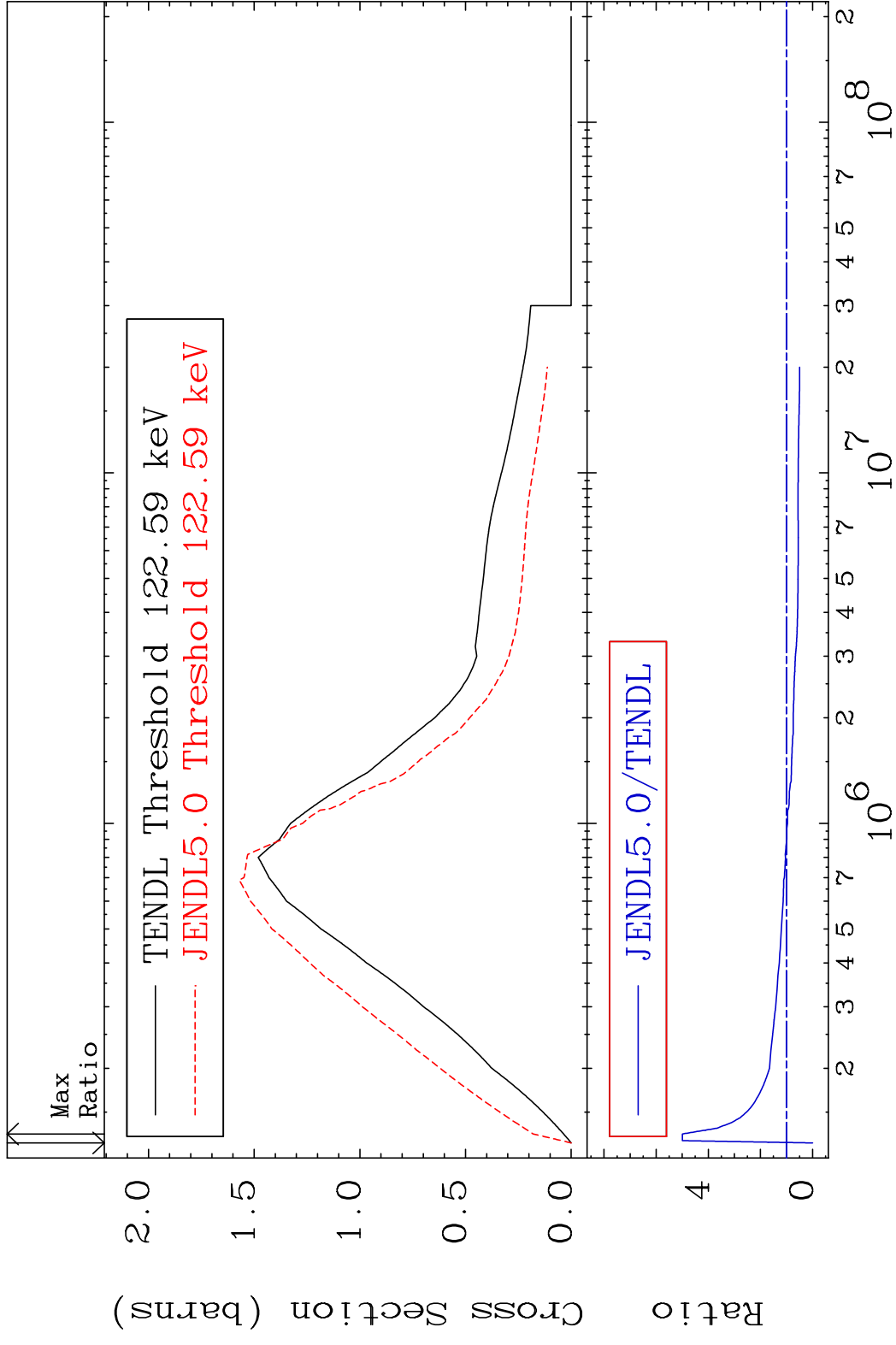


10

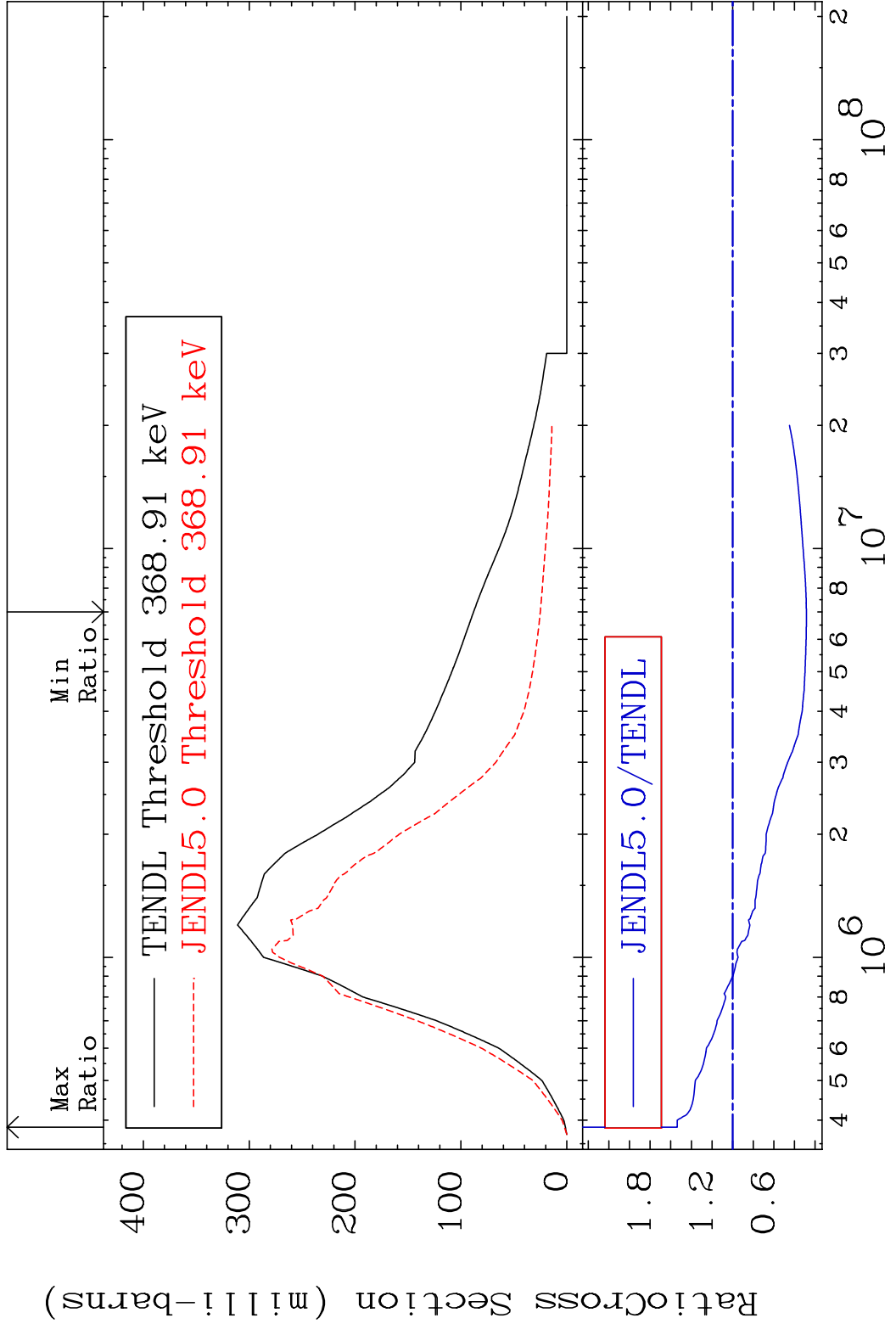
Incident Energy (eV)

62-Sm-152

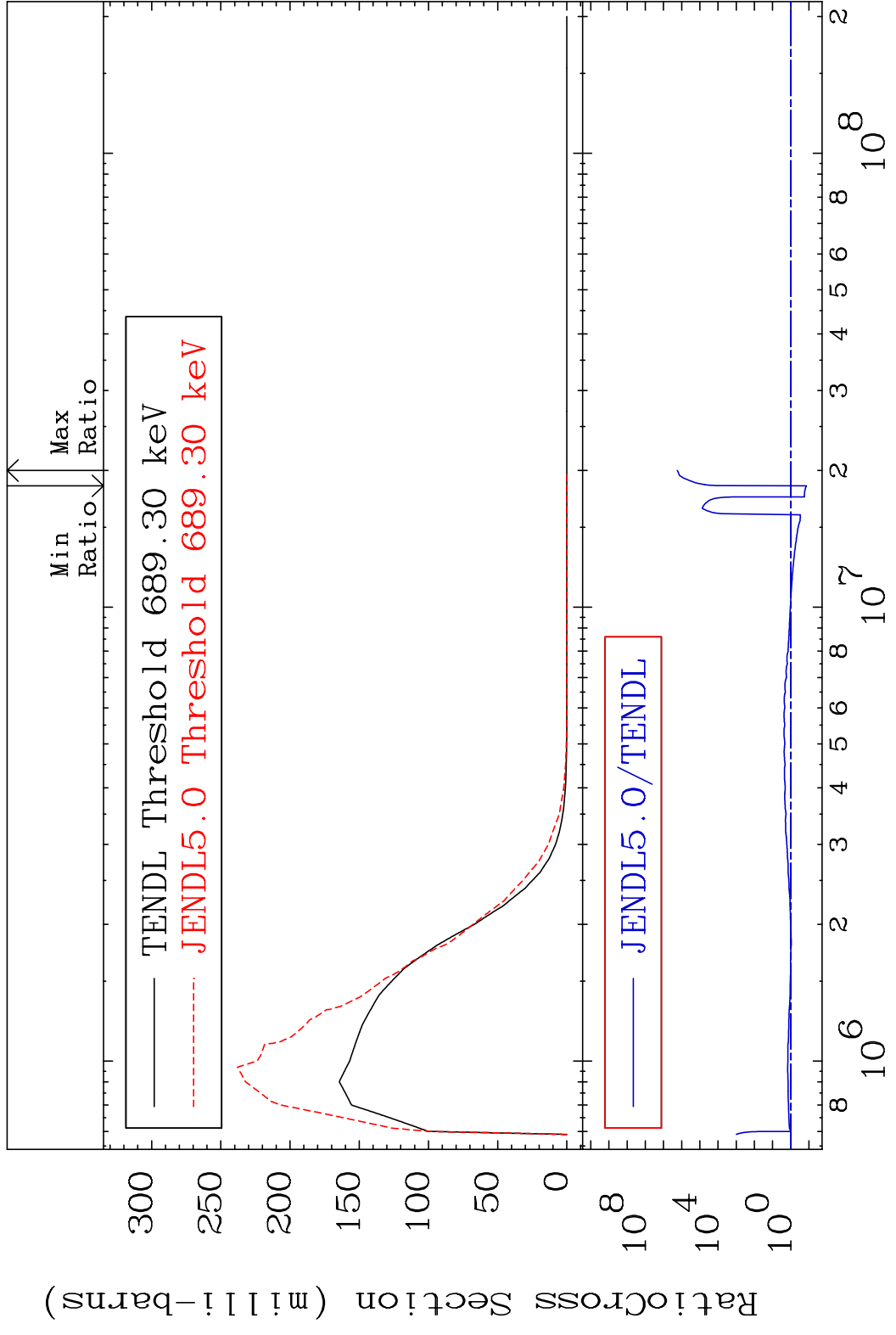
MAT 6249 MT= 51 (n, n') Level 62-Sm-152  
 Cross Section -100.0 To 399.5 %



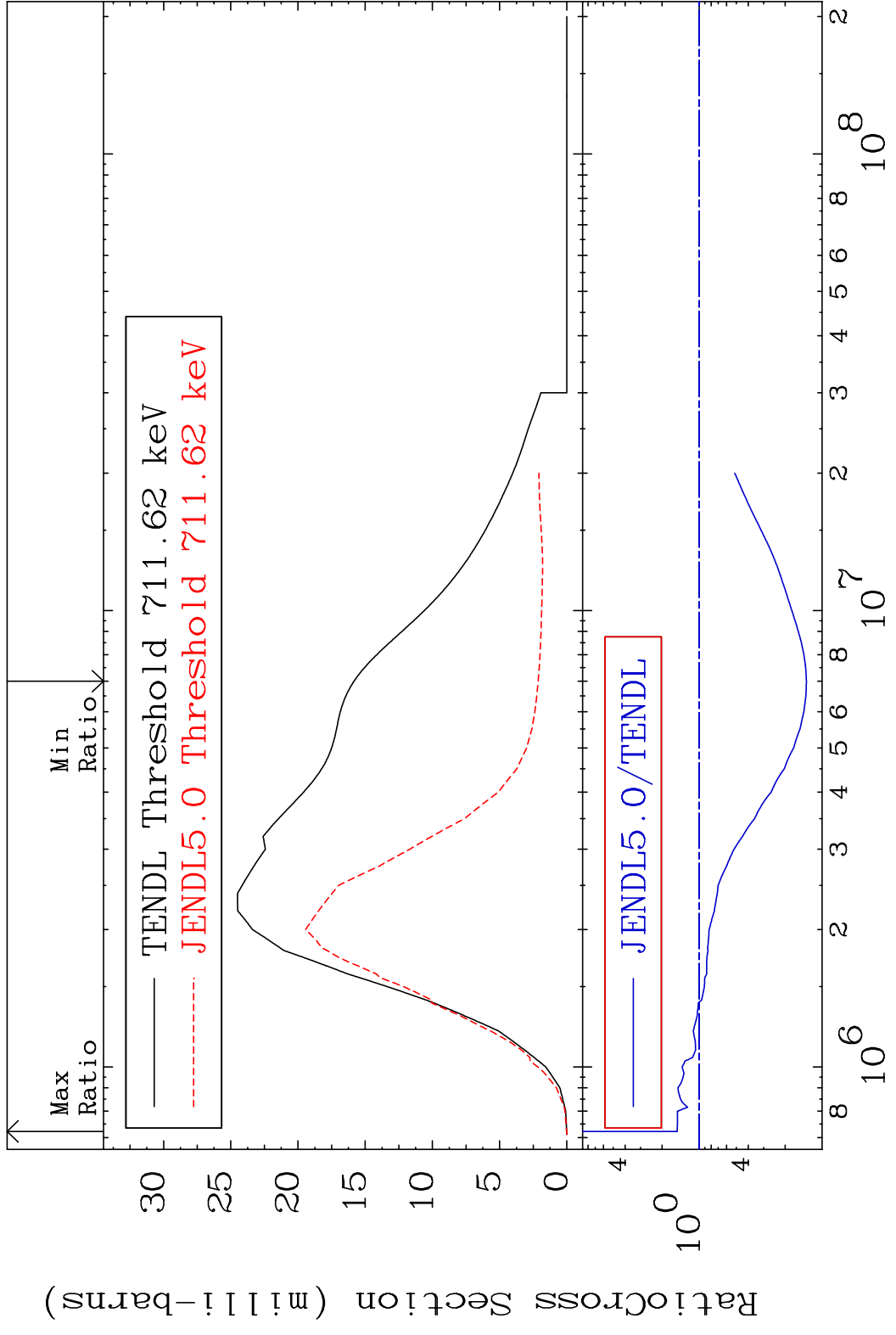
MAT 6249 MT= 52 (n,n') Level 62-Sm-152  
 Cross Section -71.52 To 53.77 %



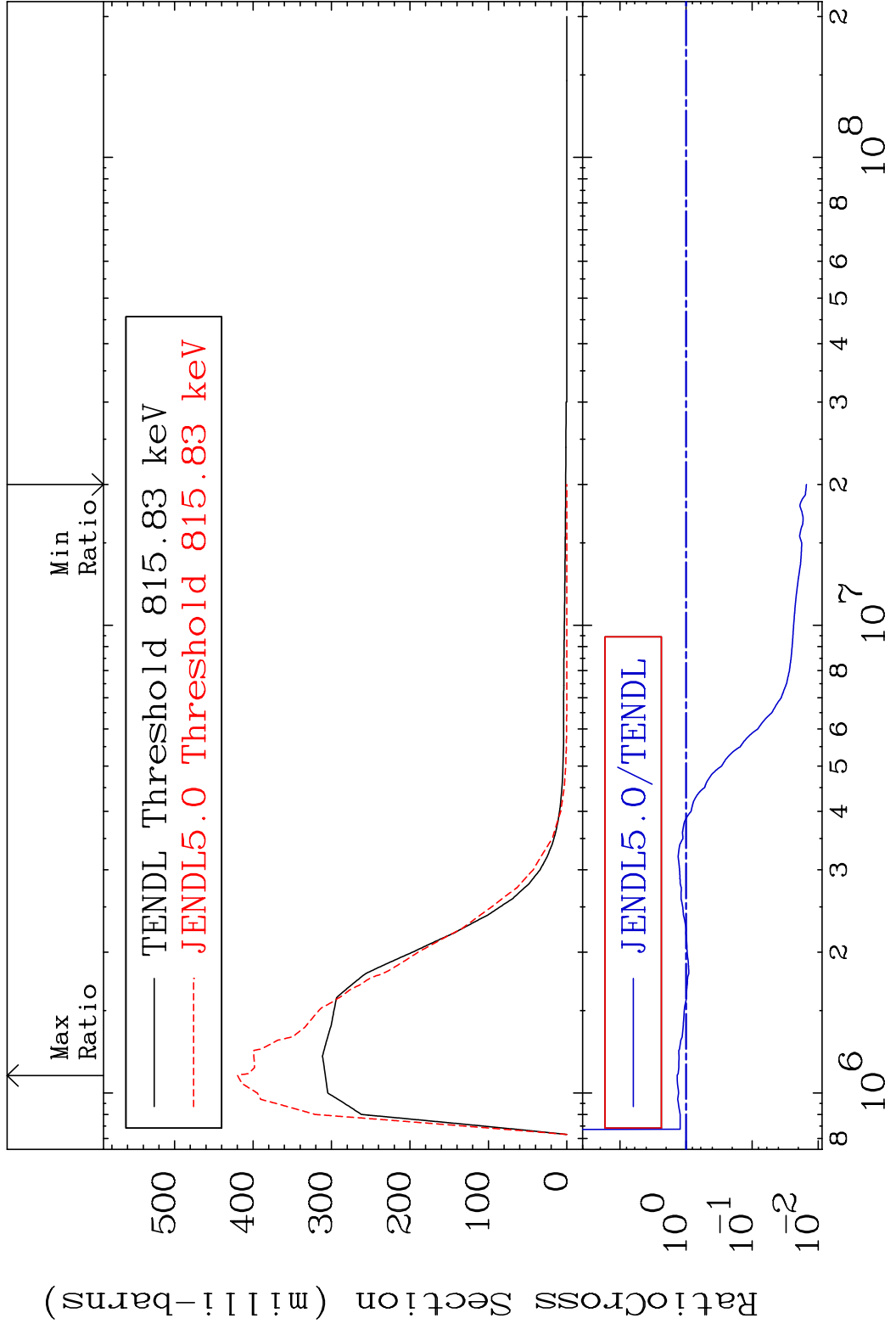
MAT 6249 MT= 53 (n, n') Level 62-Sm-152  
 Cross Section -86.25 To 9999. %



MAT 6249 MT= 54 (n, n') Level 62-Sm-152  
 Cross Section -86.53 To 51.00 %



MAT 6249 MT= 55 (n, n') Level 62-Sm-152  
 Cross Section -98.49 To 36.40 %



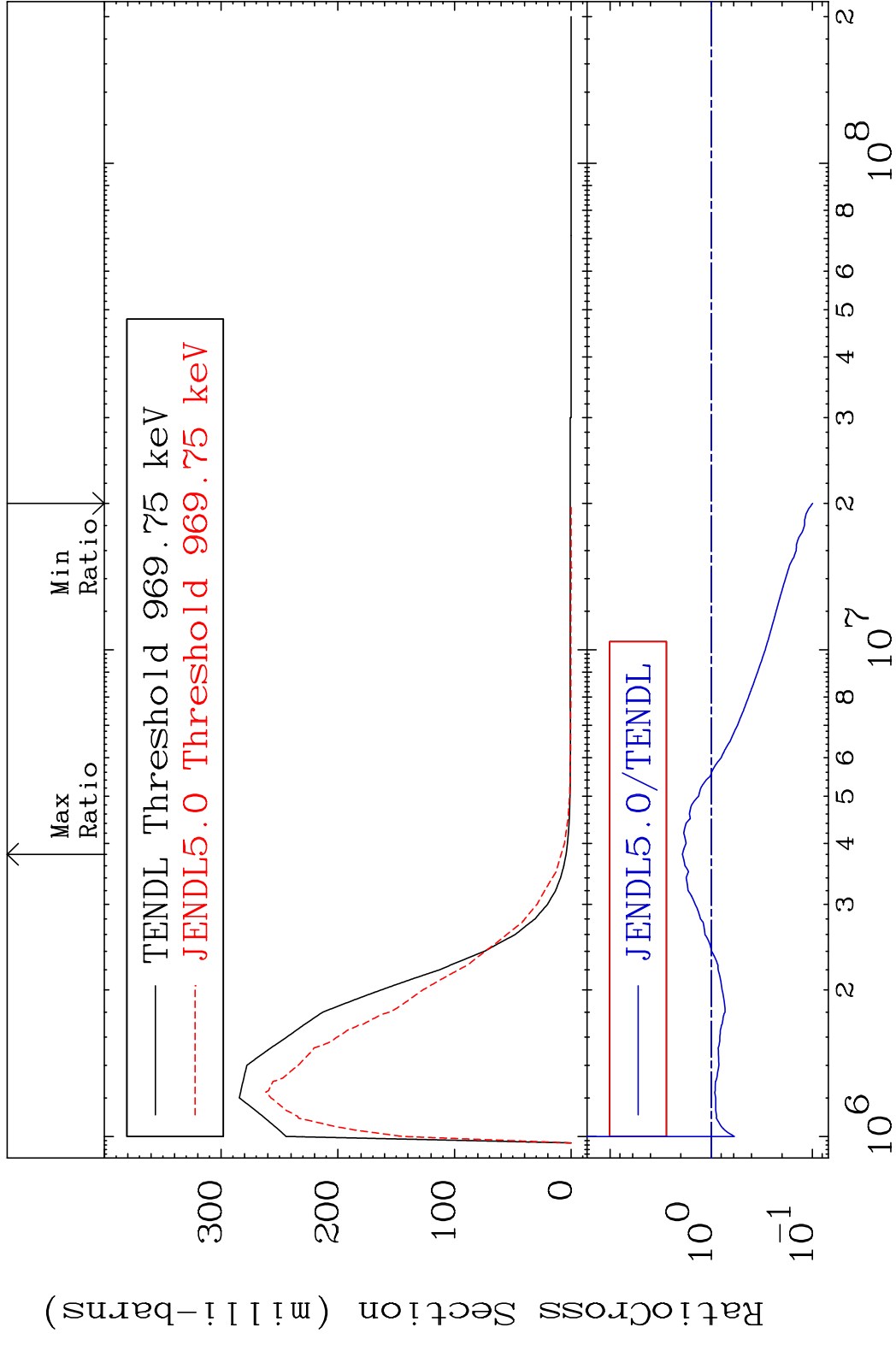
15 Incident Energy (eV) 62-Sm-152

MAT 6249

MT= 56 (n, n') Level

62-Sm-152

Cross Section -90.02 To 93.22 %

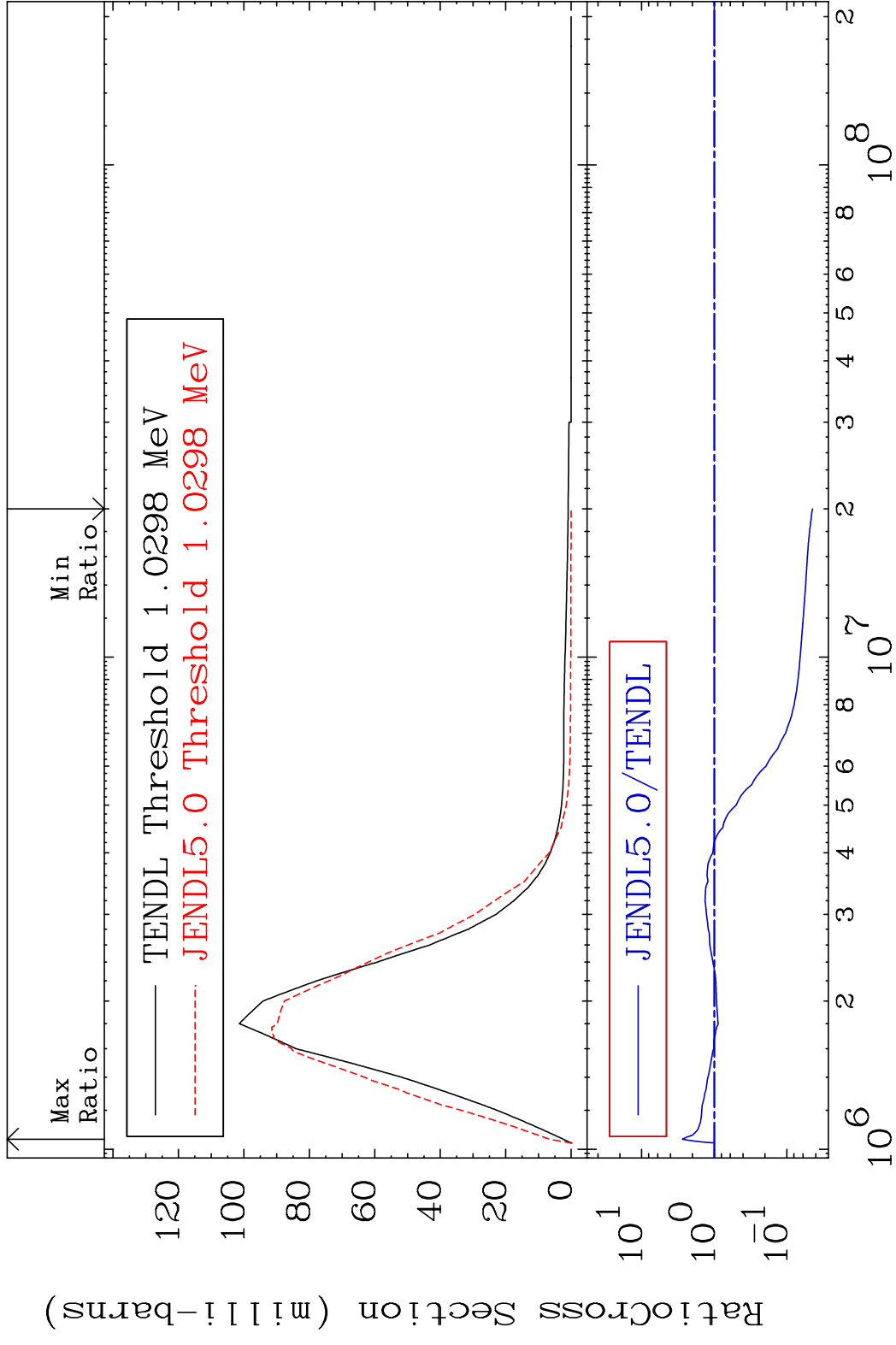


16

Incident Energy (eV)

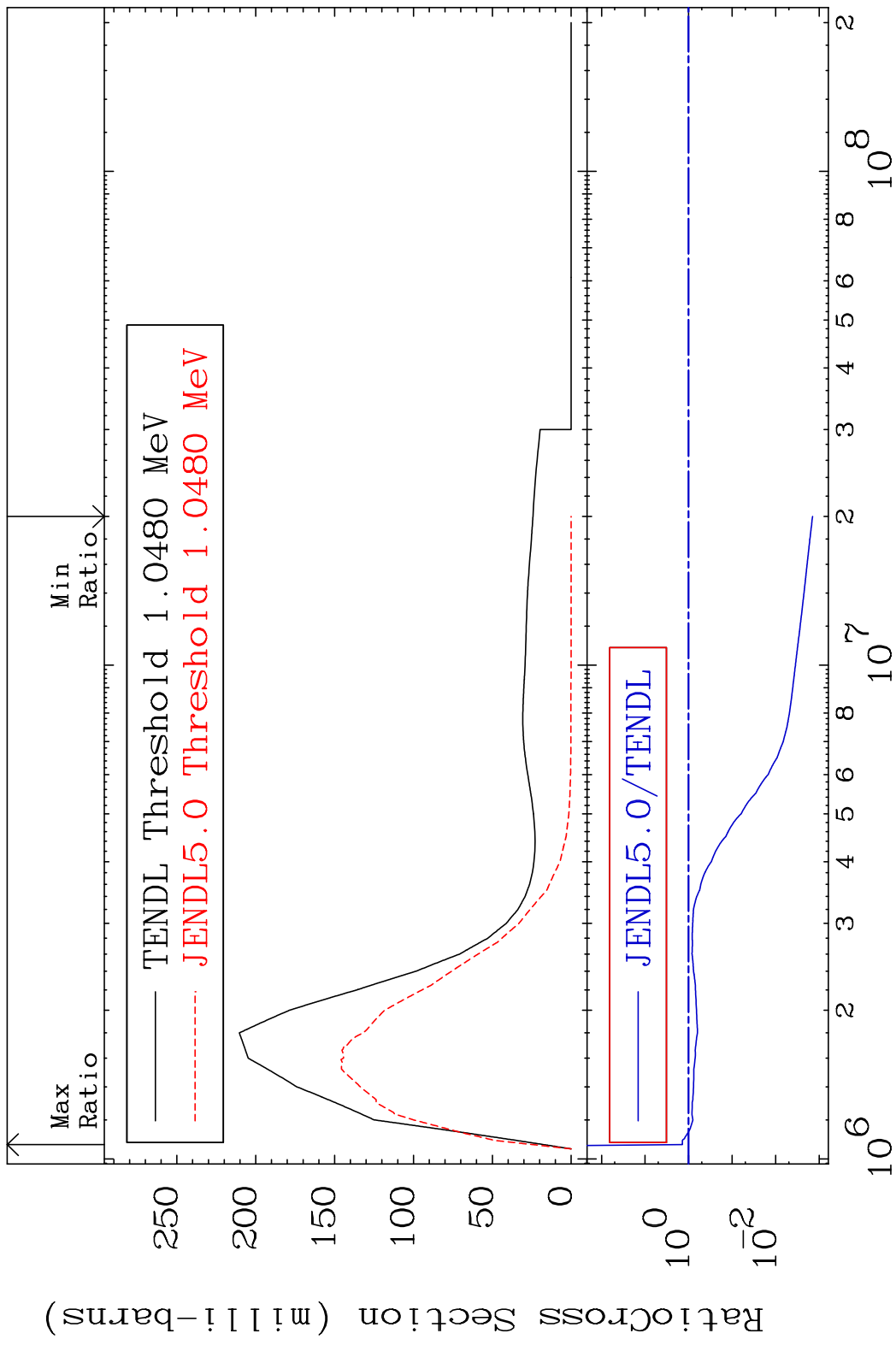
62-Sm-152

MAT 6249 MT= 57 (n, n') Level 62-Sm-152  
 Cross Section -95.57 To 175.1 %

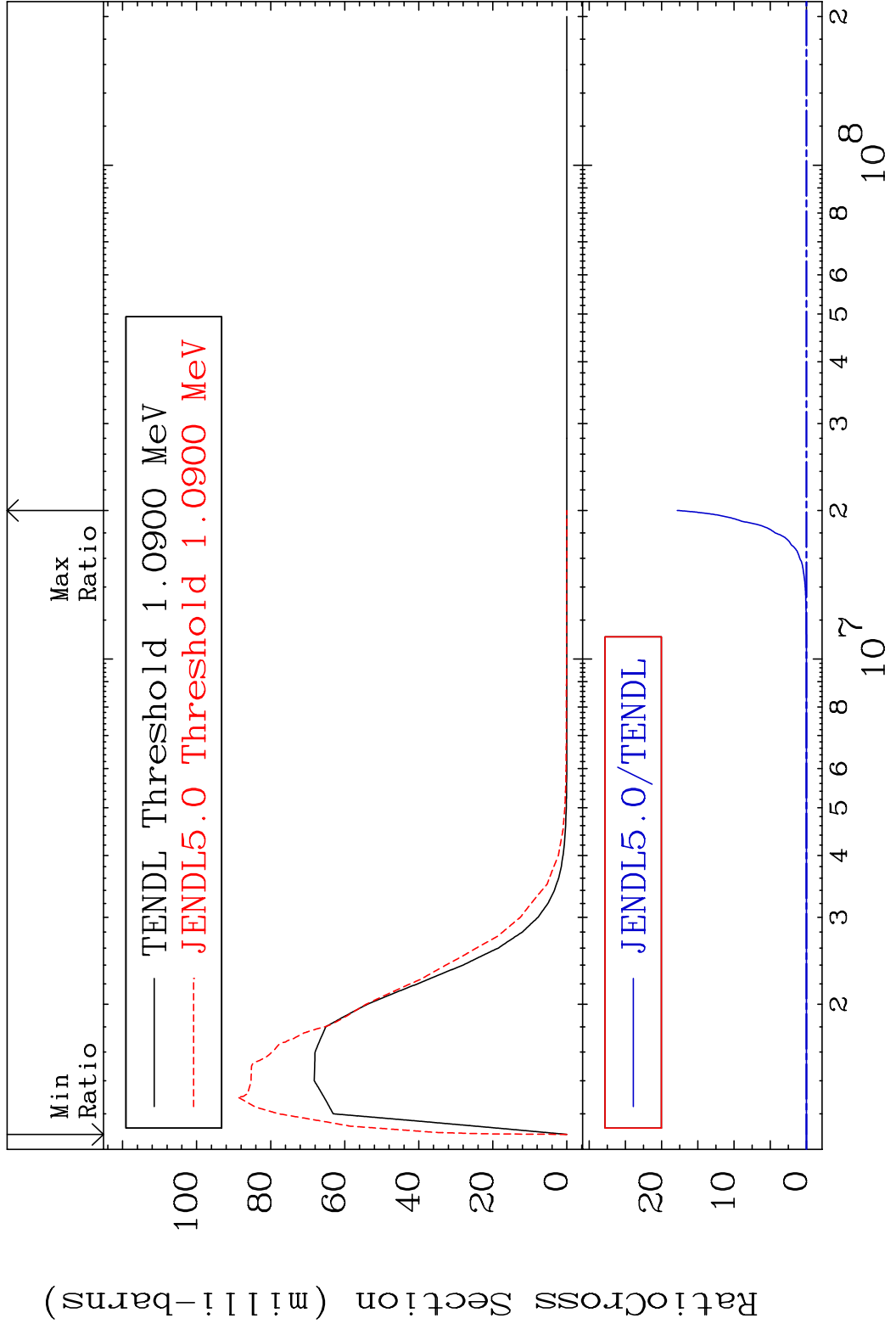


17 62-Sm-152

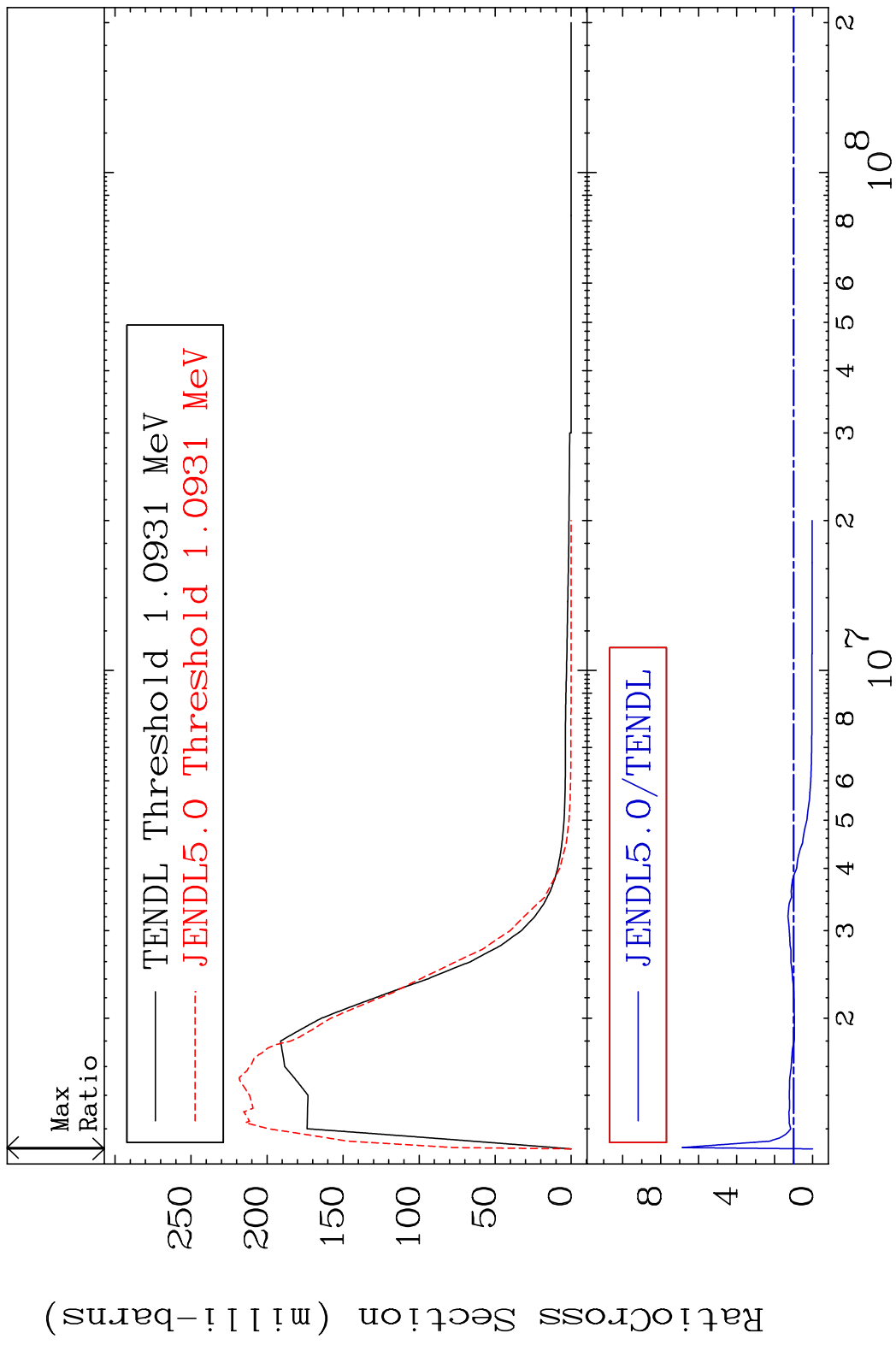
MAT 6249 MT= 58 (n, n') Level 62-Sm-152  
 Cross Section -99.86 To 39.28 %



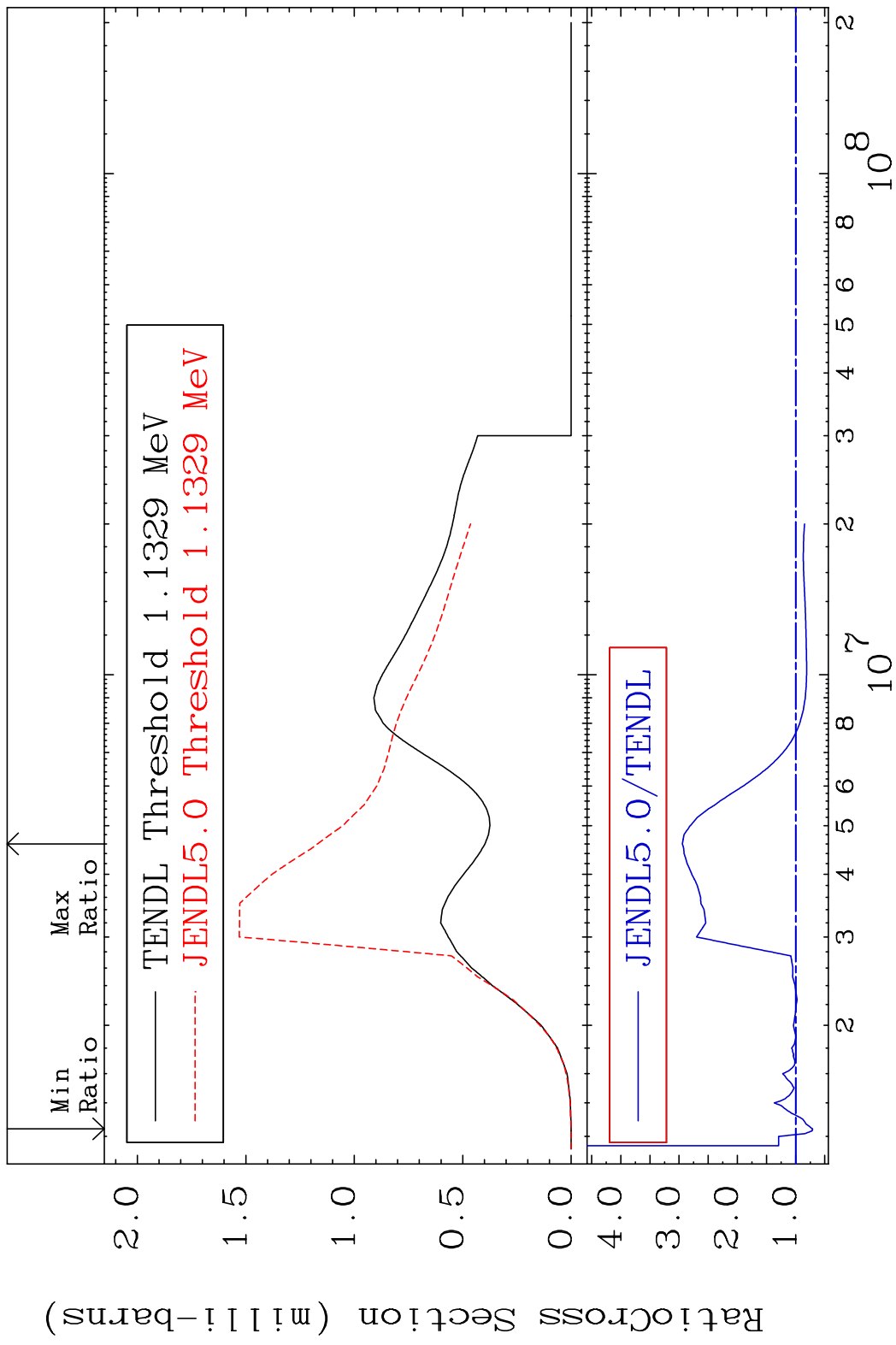
MAT 6249 MT= 59 (n, n') Level 62-Sm-152  
 Cross Section -100.0 To 9999. %



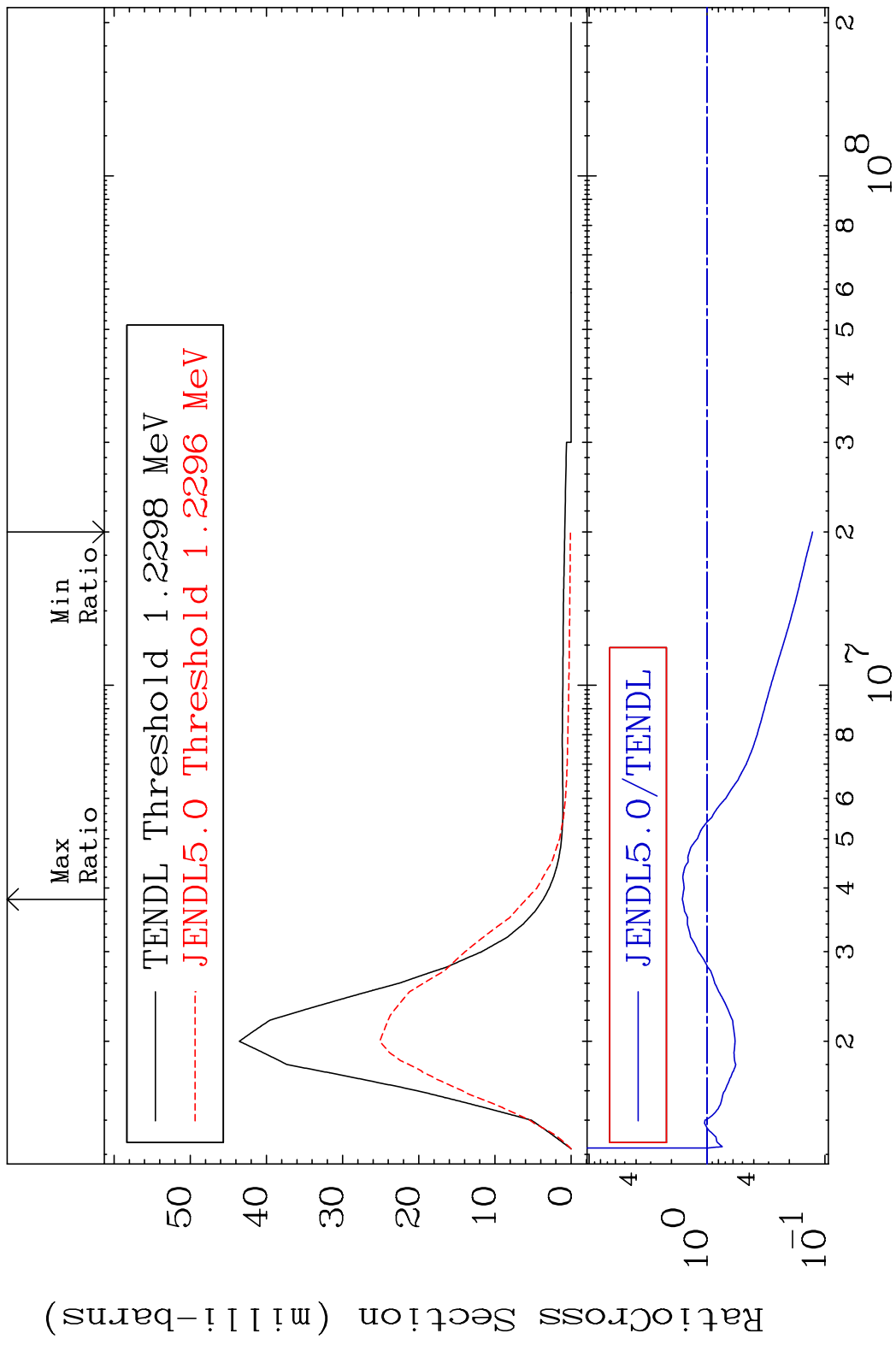
MAT 6249 MT= 60 (n, n') Level 62-Sm-152  
 Cross Section -100.0 To 585.9 %



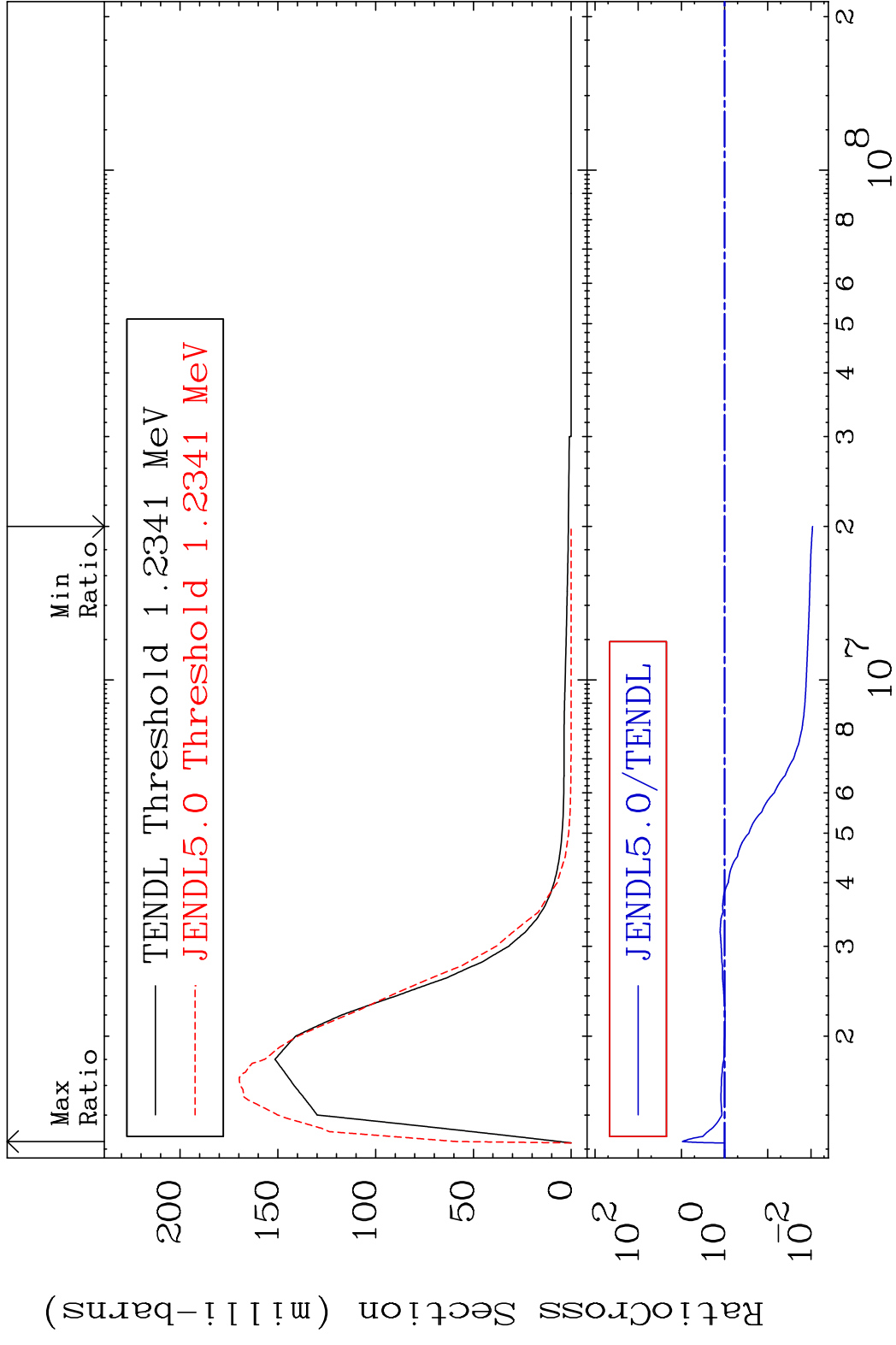
MAT 6249 MT= 61 (n, n') Level 62-Sm-152  
 Cross Section -28.99 To 194.4 %



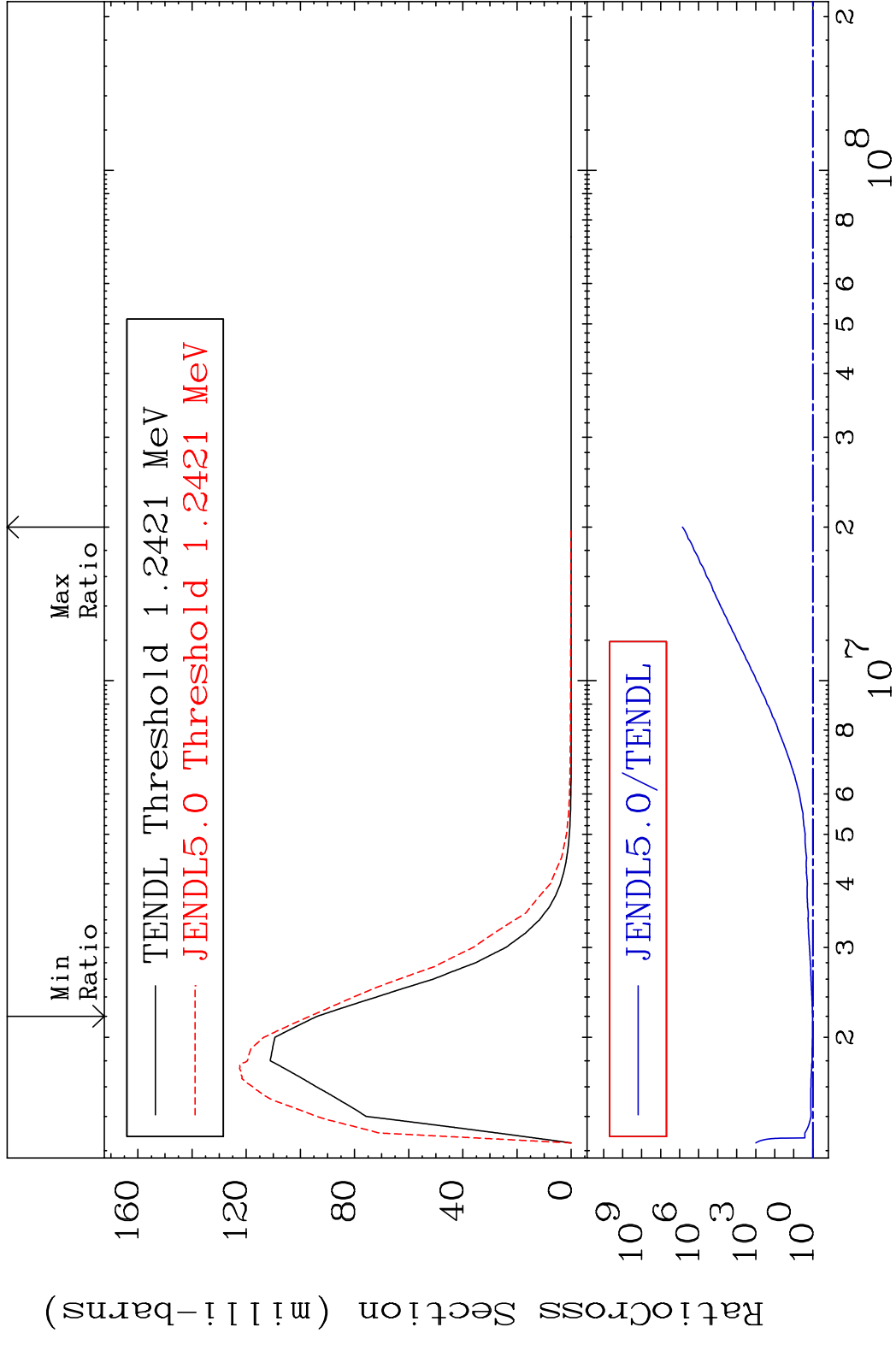
MAT 6249 MT= 62 (n, n') Level 62-Sm-152  
 Cross Section -87.29 To 61.77 %



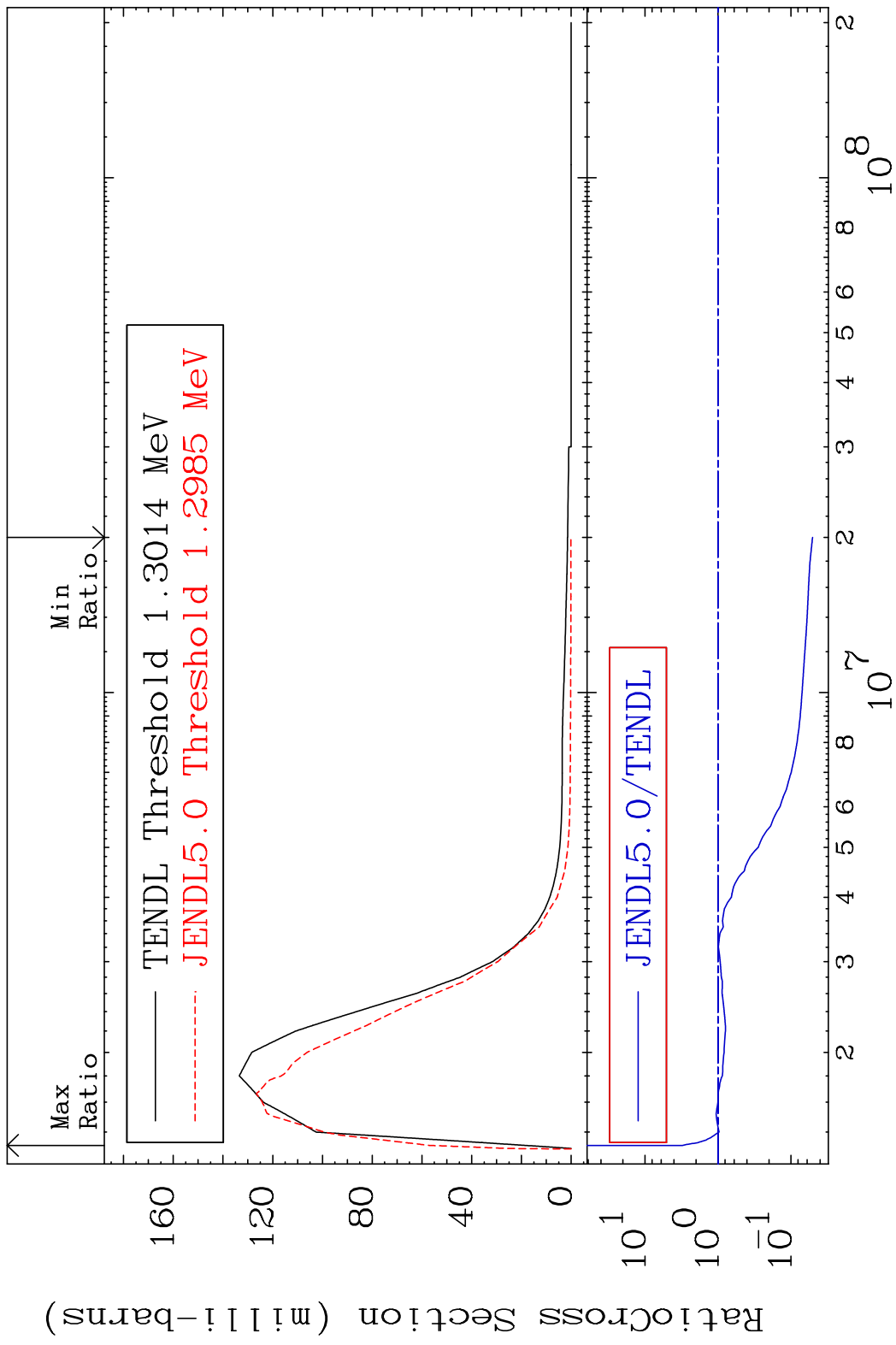
MAT 6249 MT= 63 (n, n') Level 62-Sm-152  
 Cross Section -99.08 To 850.6 %



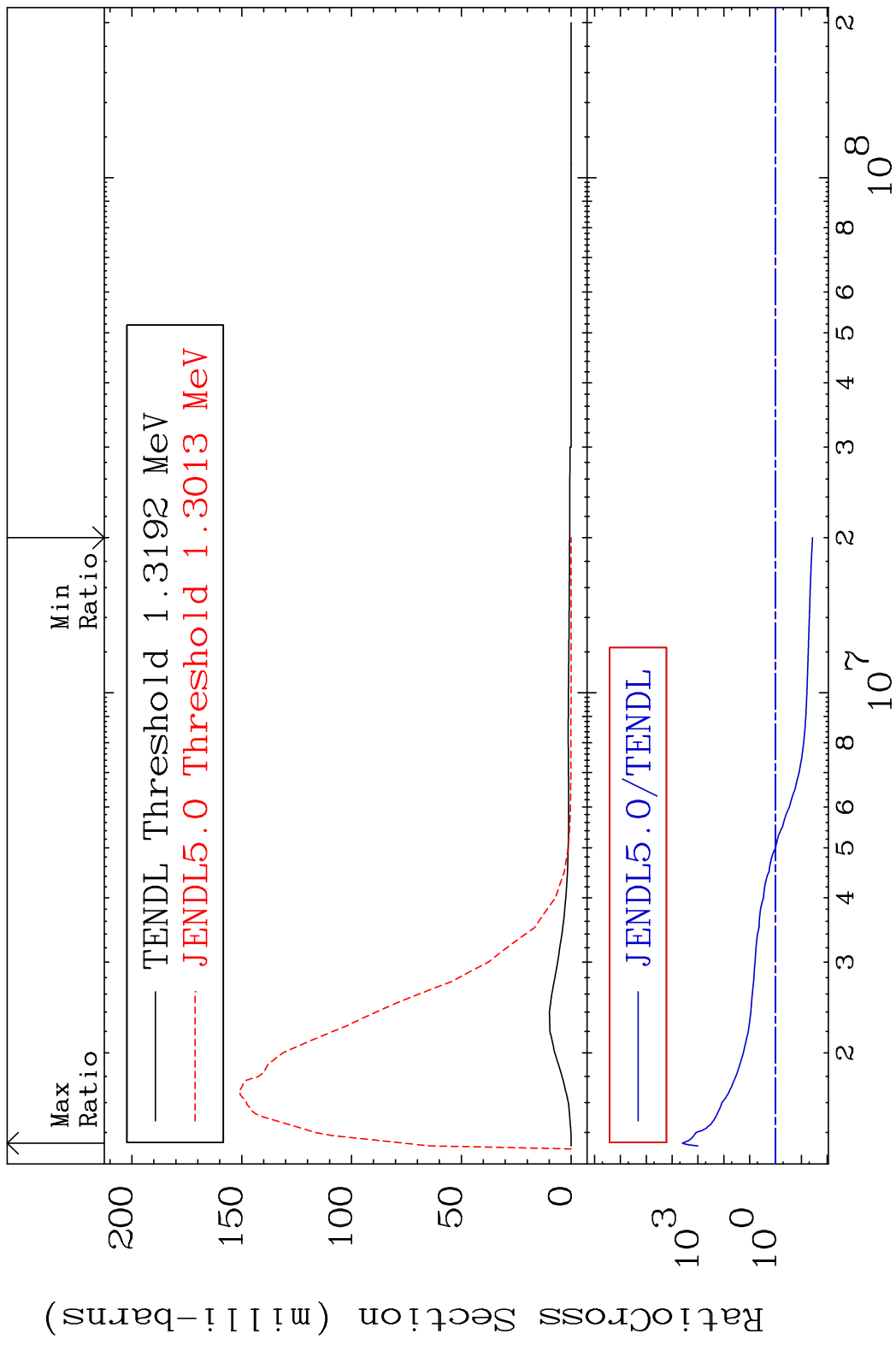
MAT 6249 MT= 64 (n, n') Level 62-Sm-152  
 Cross Section 2.961 To 9999. %



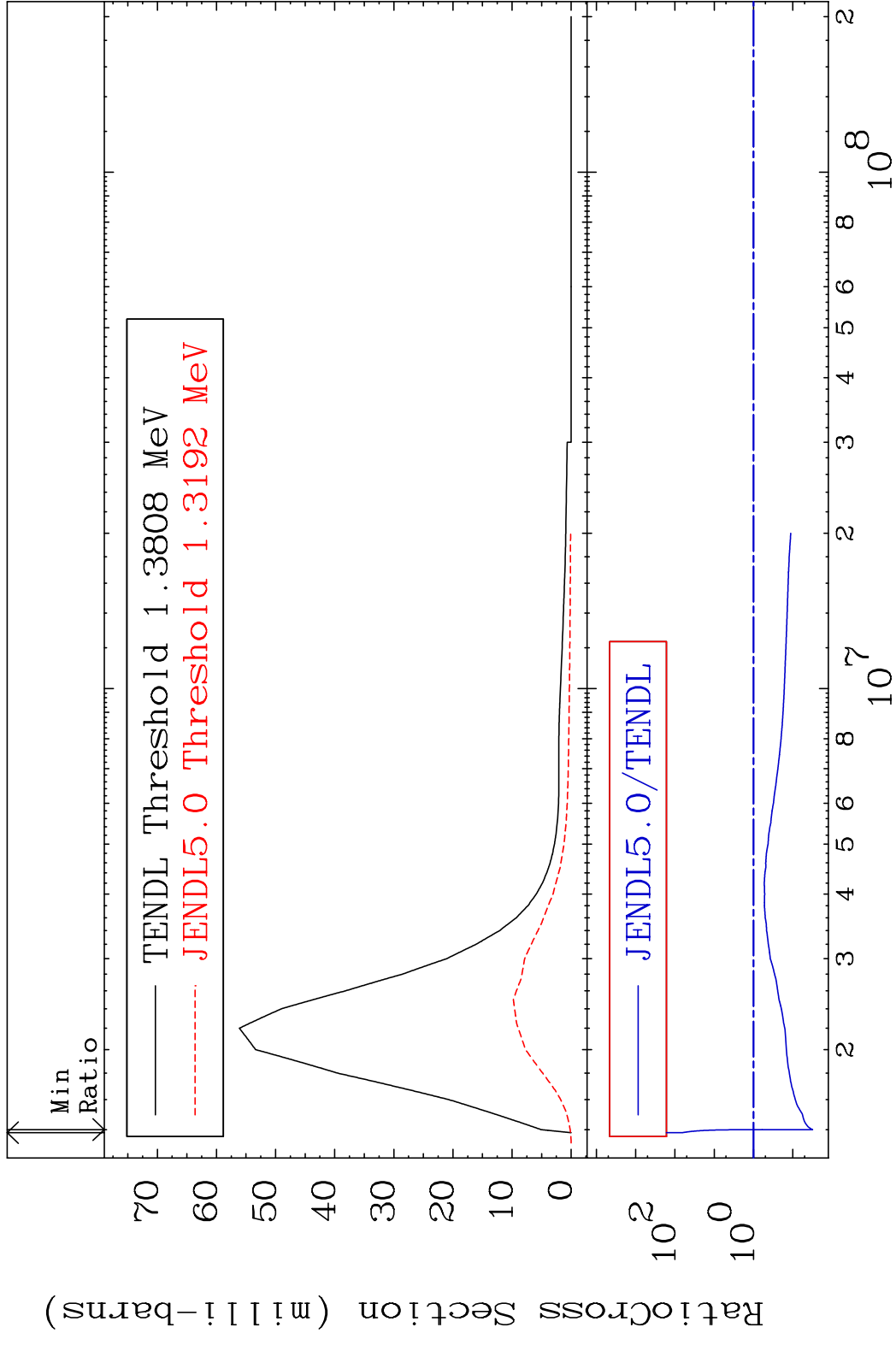
MAT 6249 MT= 65 (n, n') Level 62-Sm-152  
 Cross Section -94.93 To 207.3 %



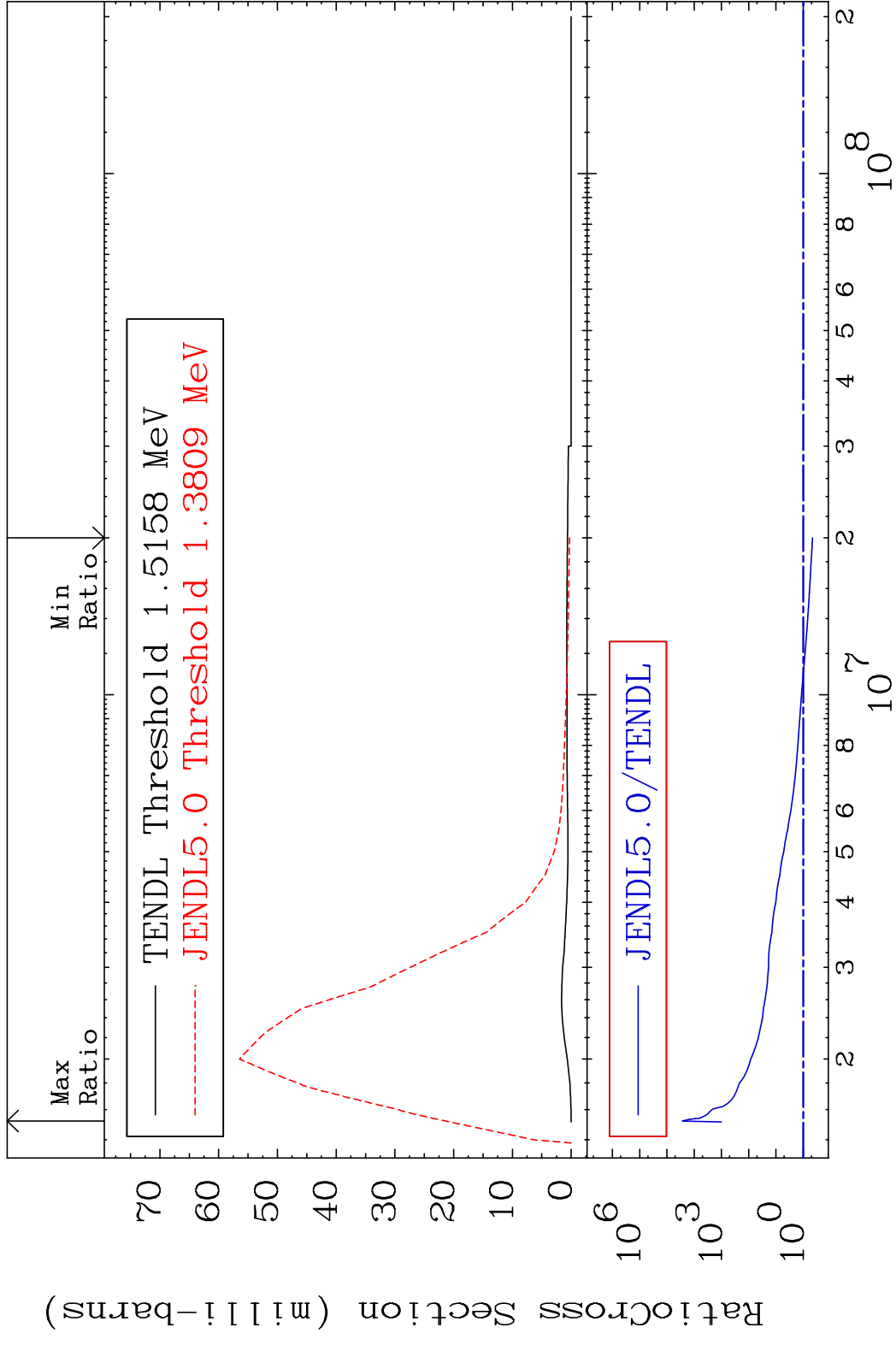
MAT 6249 MT= 66 (n, n') Level 62-Sm-152  
 Cross Section -96.33 To 9999. %



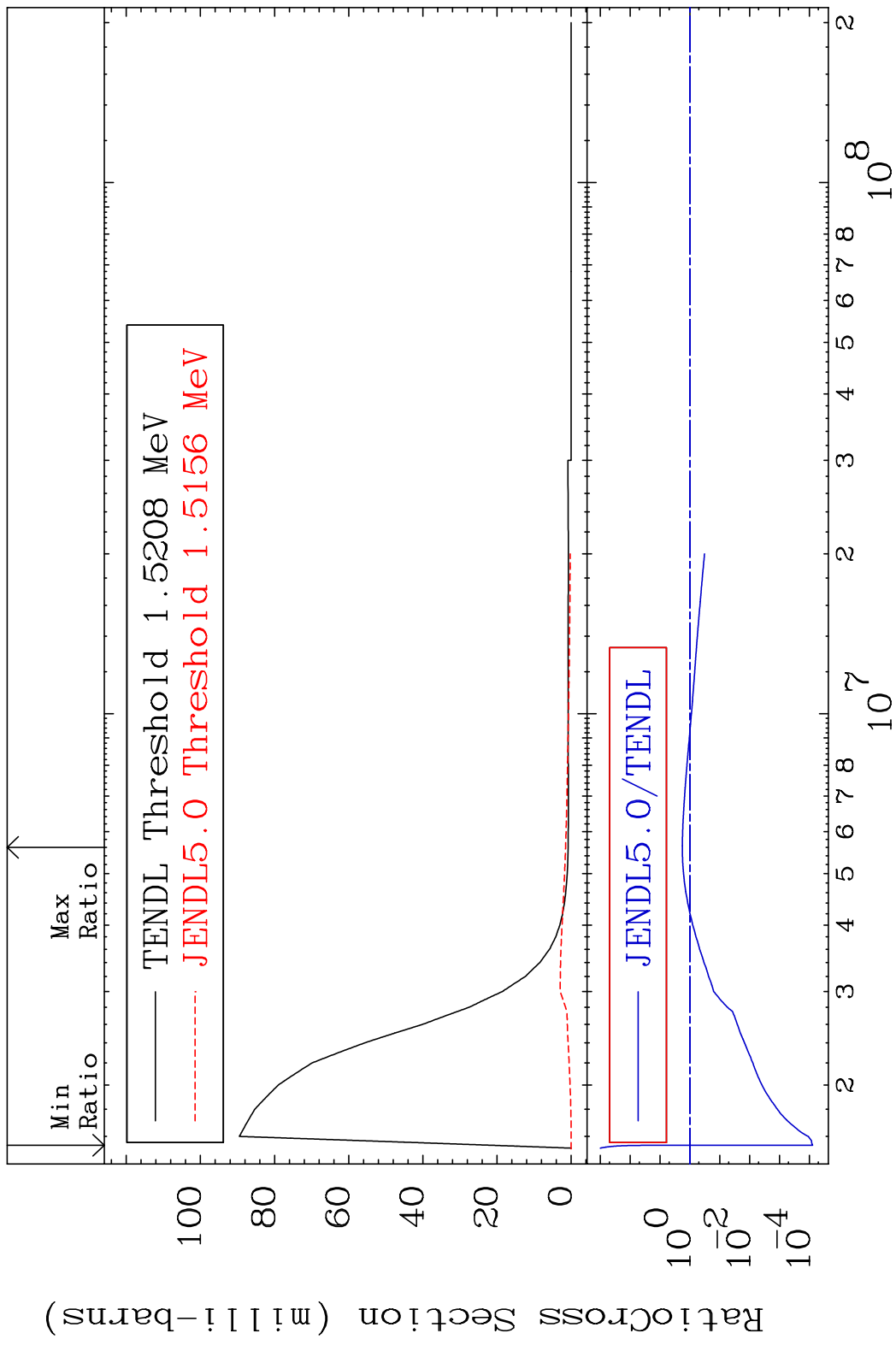
MAT 6249 MT= 67 (n, n') Level 62-Sm-152  
 Cross Section -96.86 To 6370. %



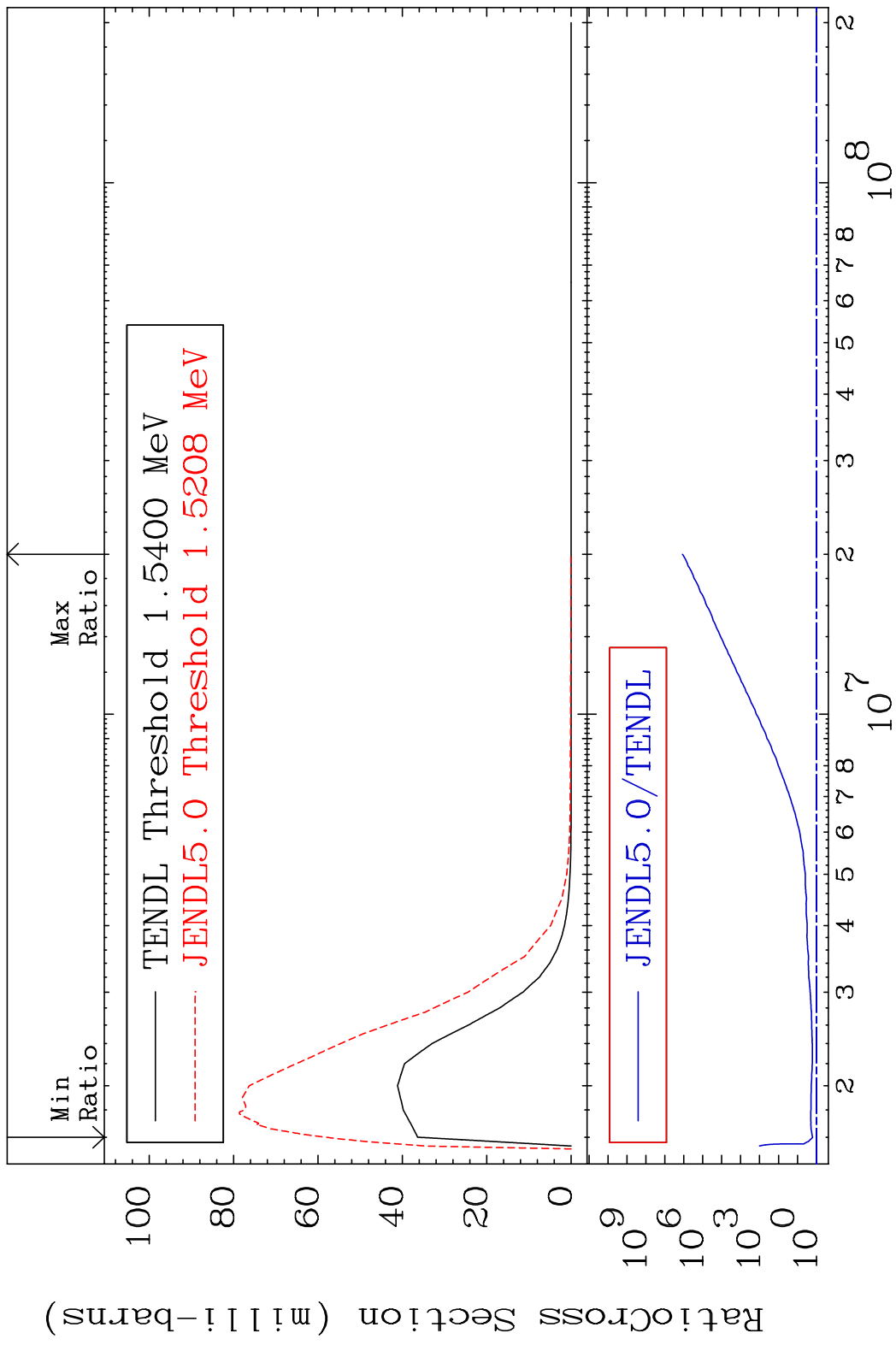
MAT 6249 MT= 68 (n, n') Level 62-Sm-152  
 Cross Section -54.43 To 9999. %



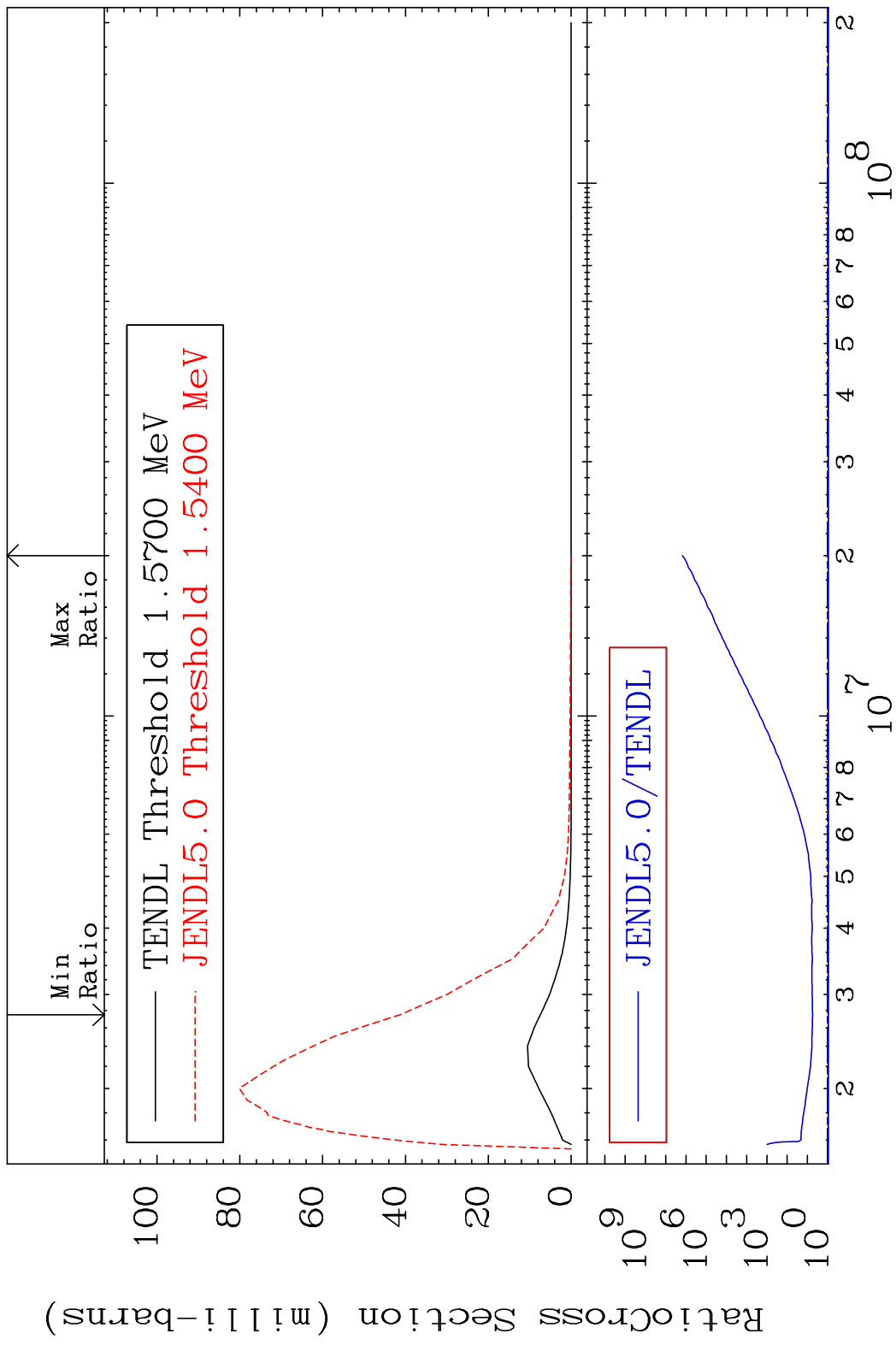
MAT 6249 MT= 69 (n,n') Level 62-Sm-152  
 Cross Section -99.99 To 79.47 %



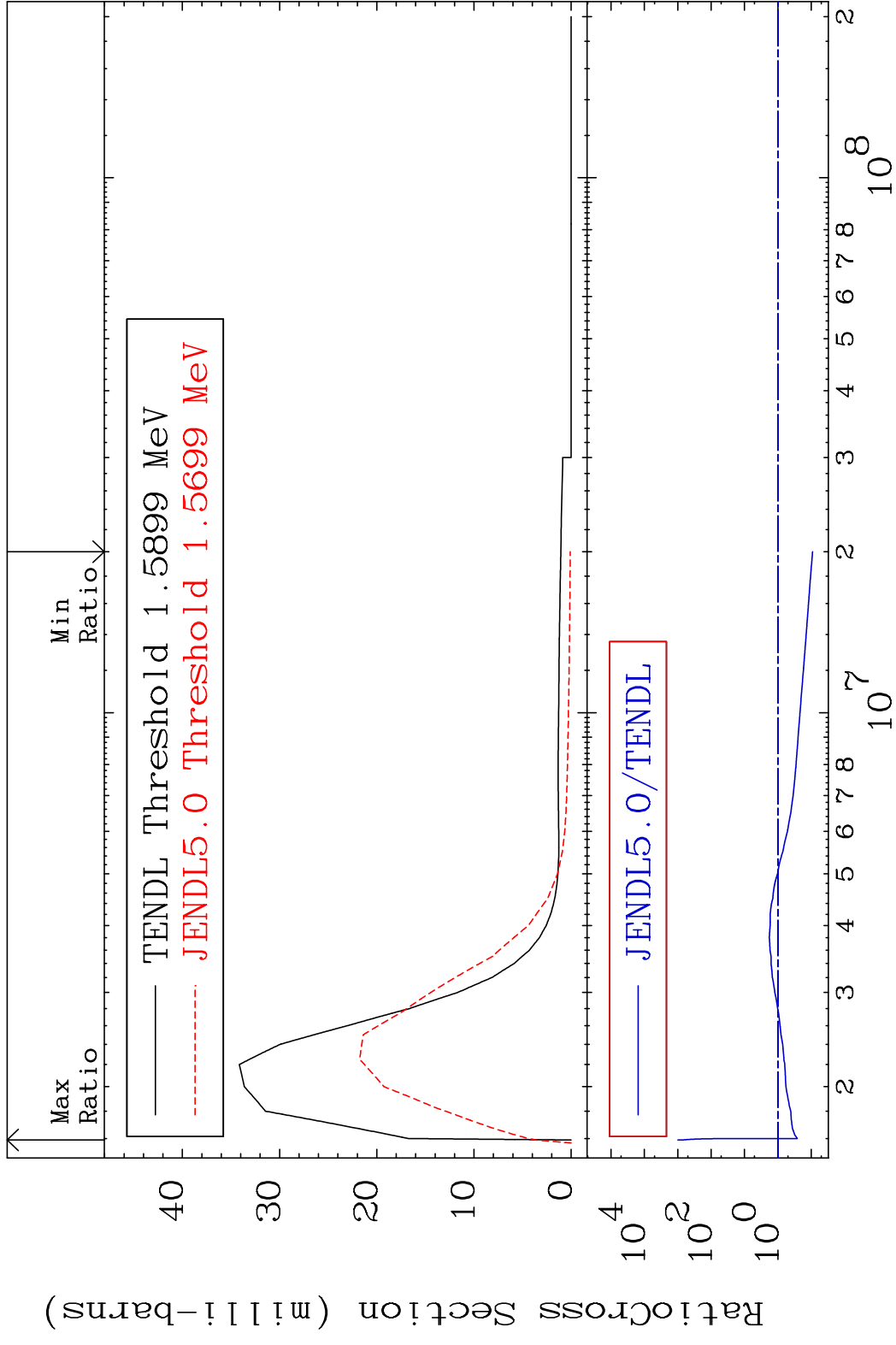
MAT 6249 MT= 70 (n, n') Level 62-Sm-152  
 Cross Section 60.09 To 9999. %



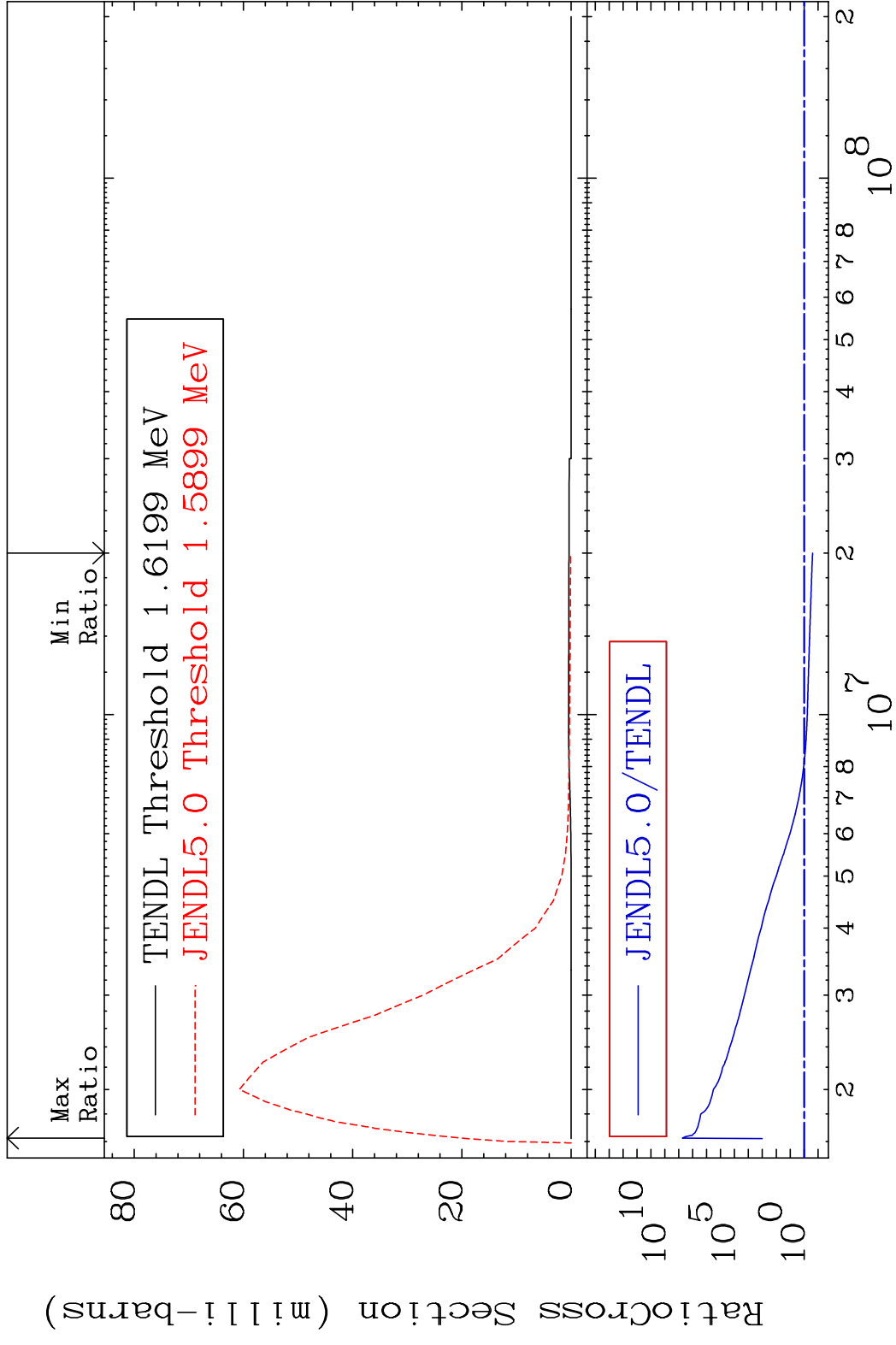
MAT 6249 MT= 71 (n, n') Level 62-Sm-152  
 Cross Section 454.5 To 9999. %



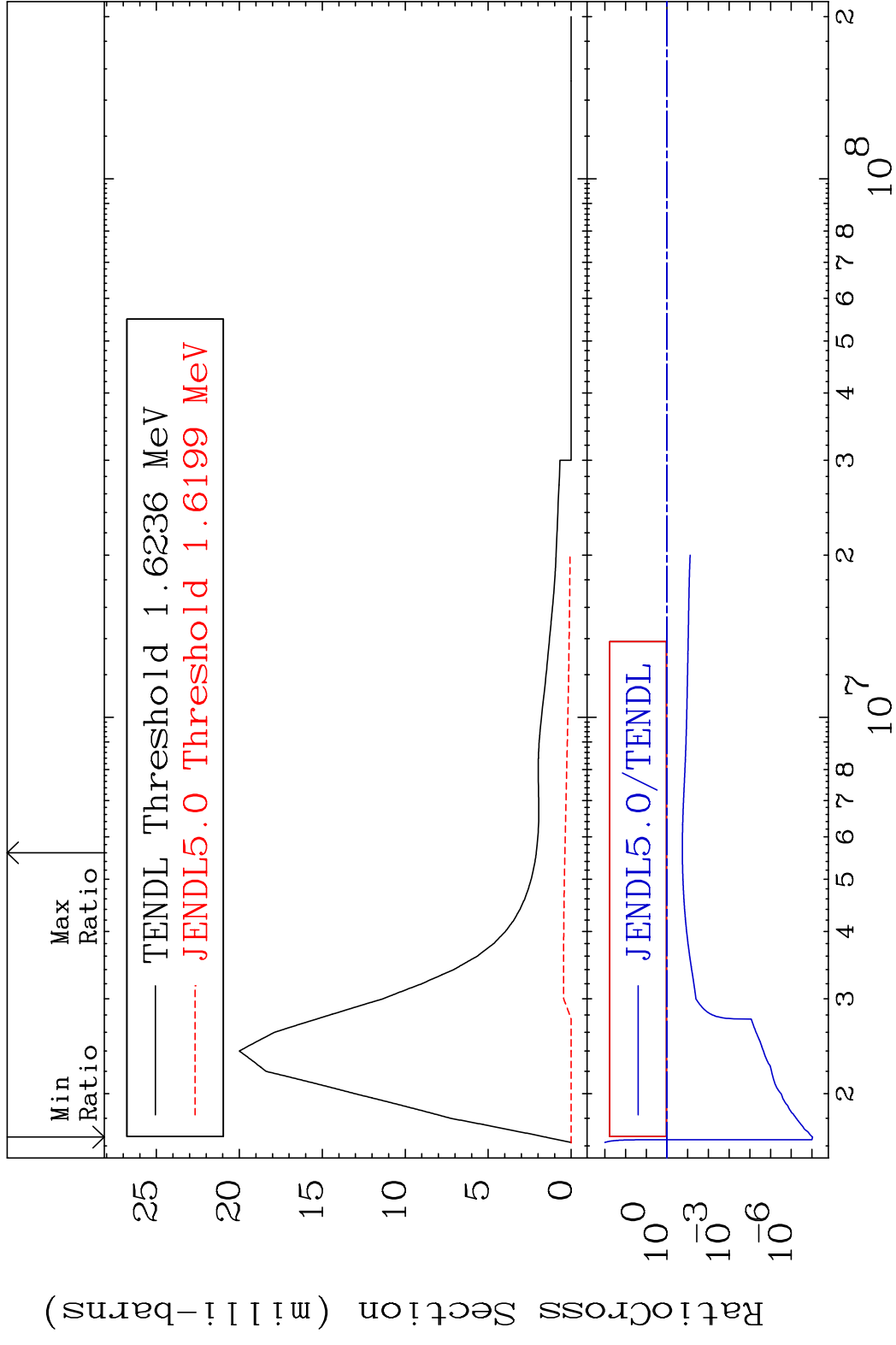
MAT 6249 MT= 72 (n, n') Level 62-Sm-152  
 Cross Section -90.86 To 9999. %



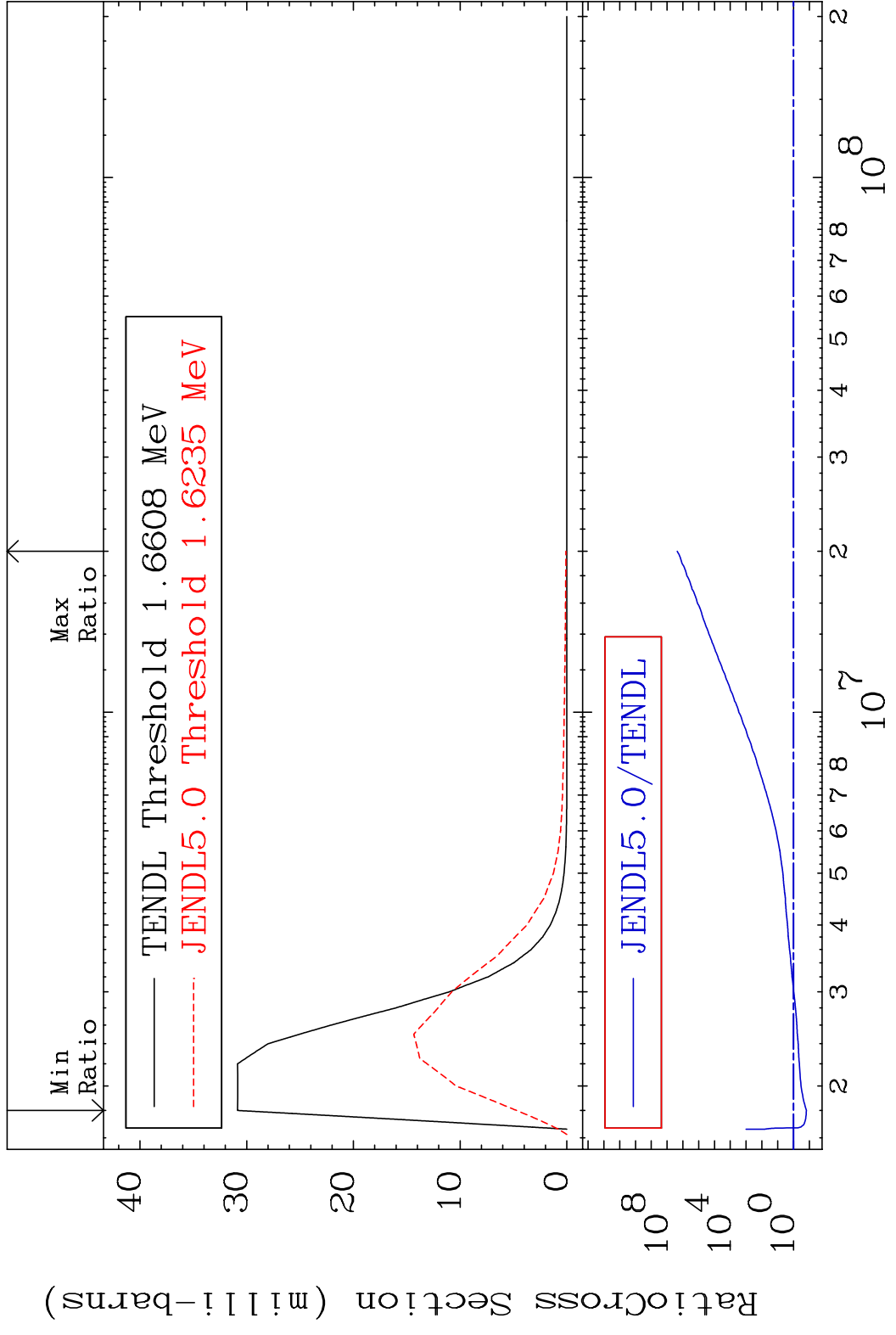
MAT 6249 MT= 73 (n,n') Level 62-Sm-152  
 Cross Section -75.47 To 9999. %



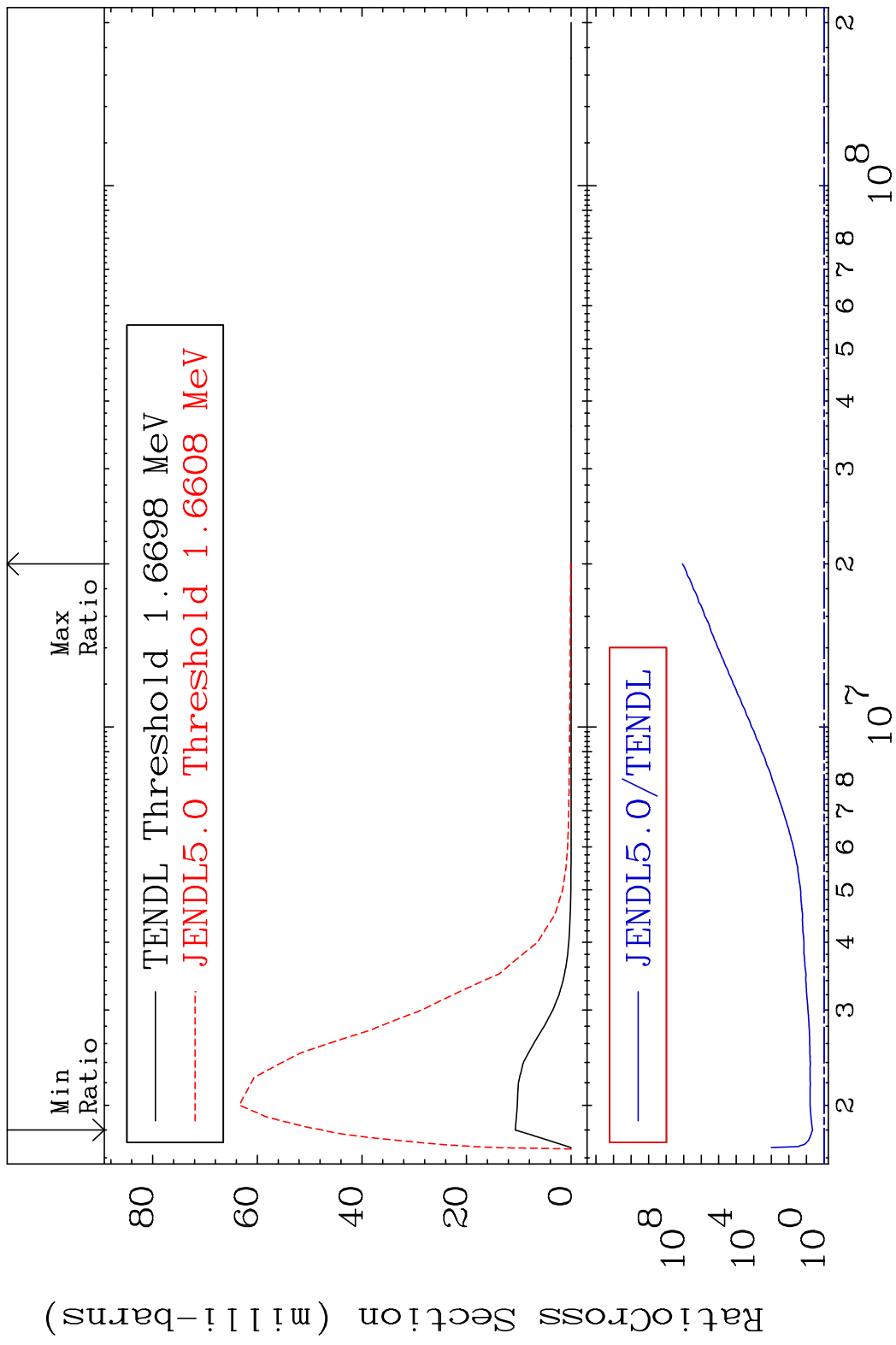
MAT 6249 MT= 74 (n,n') Level 62-Sm-152  
 Cross Section -100.0 To -81.90%



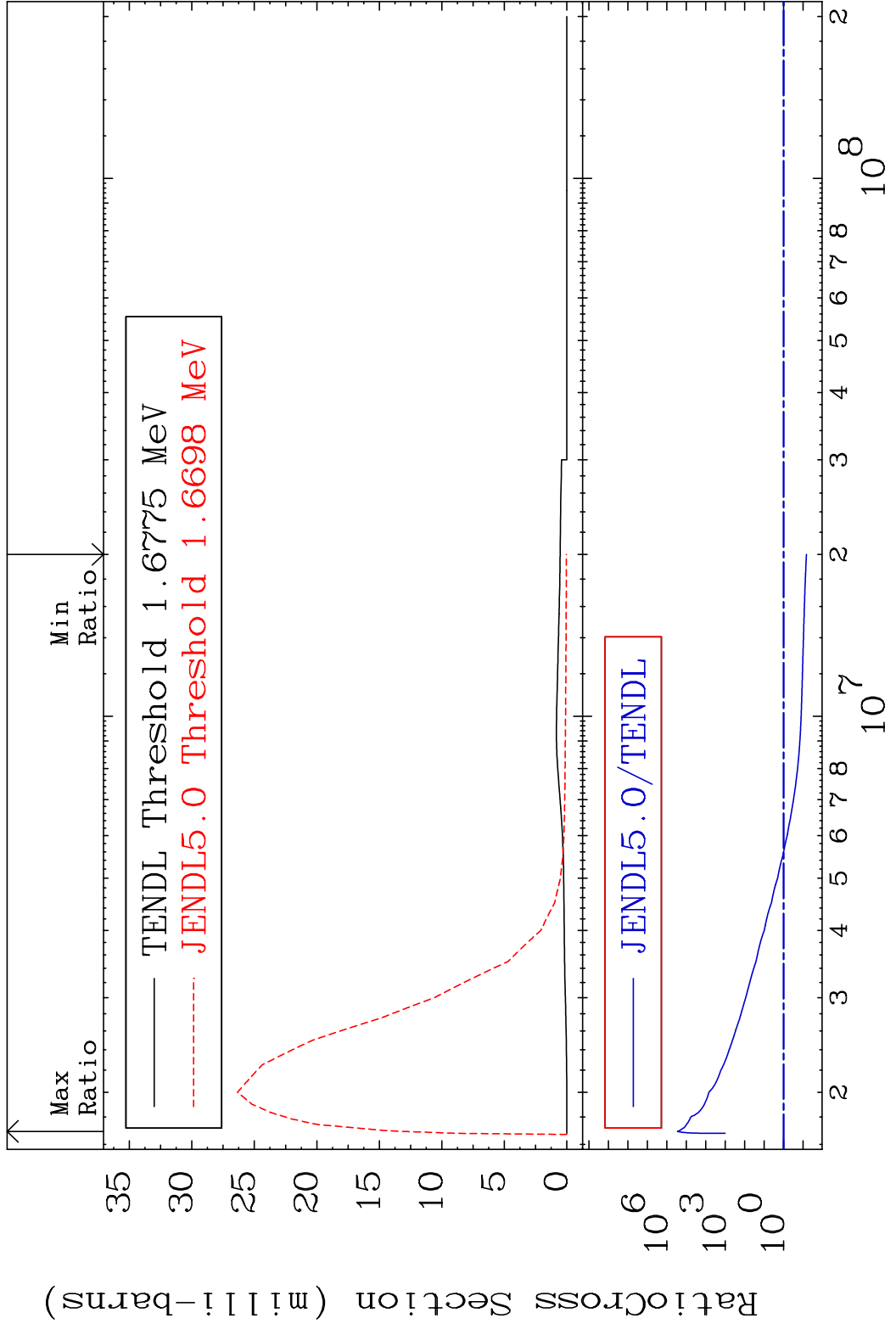
MAT 6249 MT= 75 (n, n') Level 62-Sm-152  
 Cross Section -84.75 To 9999. %



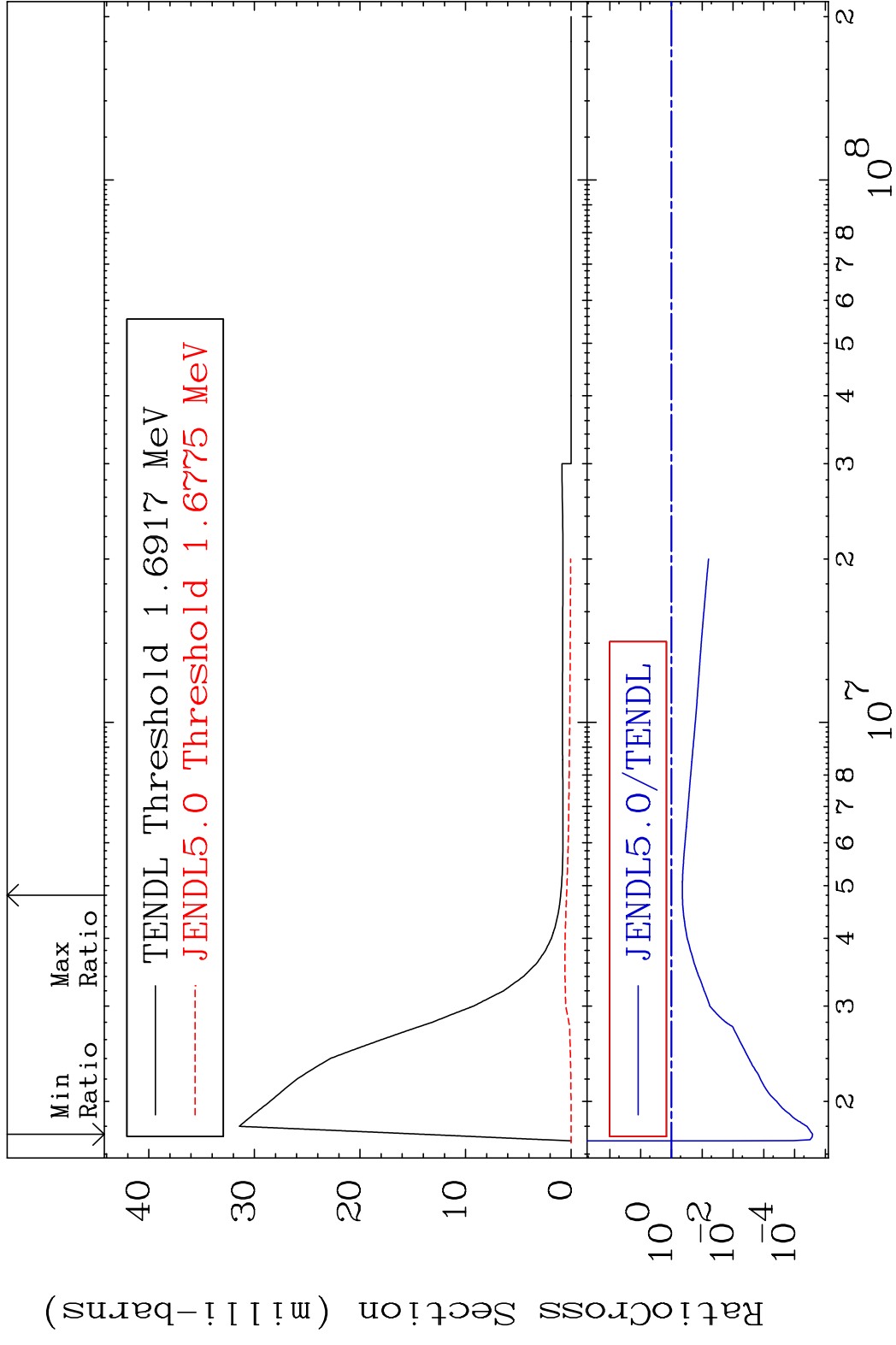
MAT 6249 MT= 76 (n, n') Level 62-Sm-152  
 Cross Section 346.2 To 9999. %



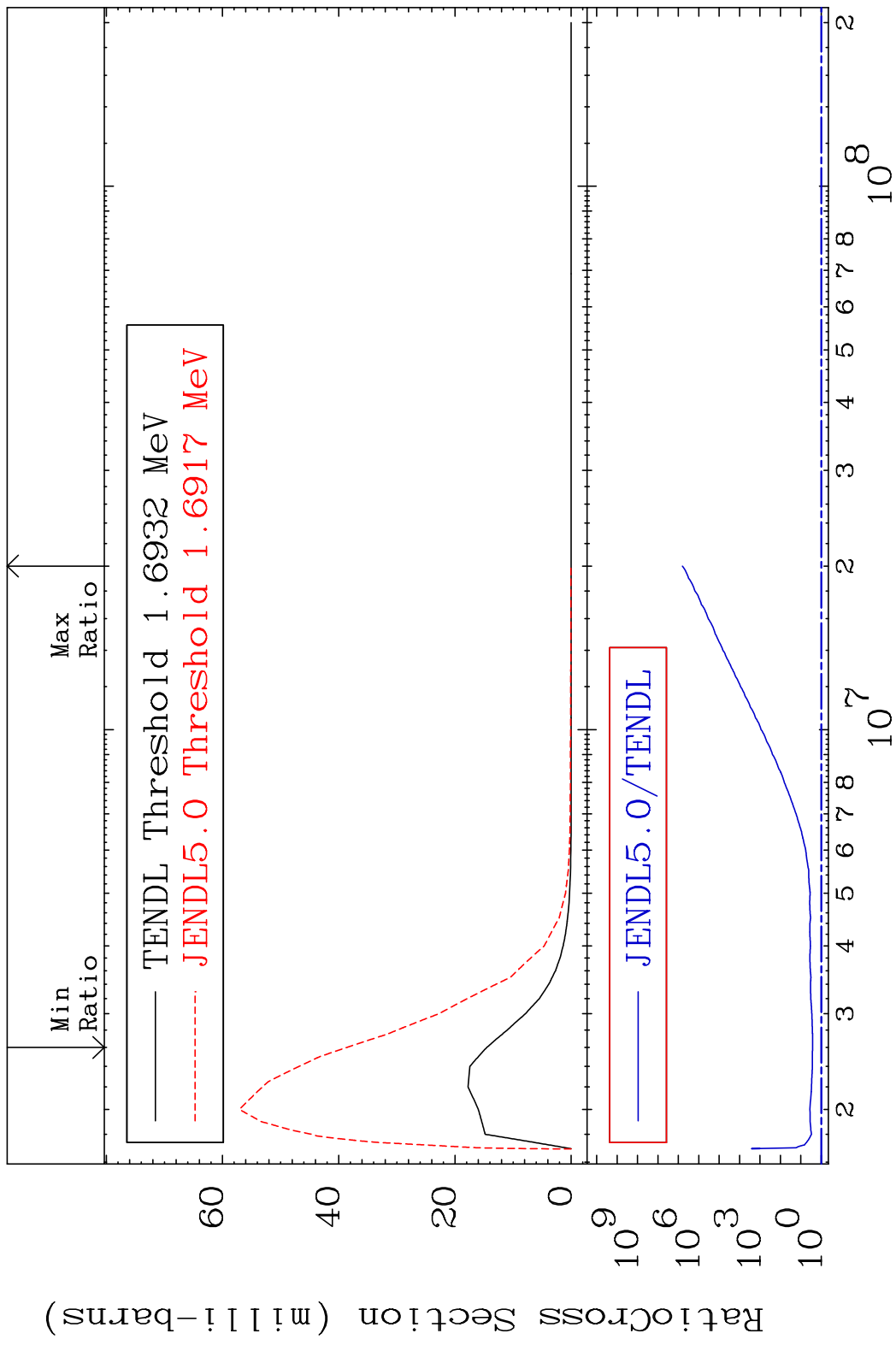
MAT 6249 MT= 77 (n,n') Level 62-Sm-152  
 Cross Section -93.19 To 9999. %



MAT 6249 MT= 78 (n, n') Level 62-Sm-152  
 Cross Section -100.0 To -55.95%



MAT 6249 MT= 79 (n, n') Level 62-Sm-152  
 Cross Section 166.0 To 9999. %

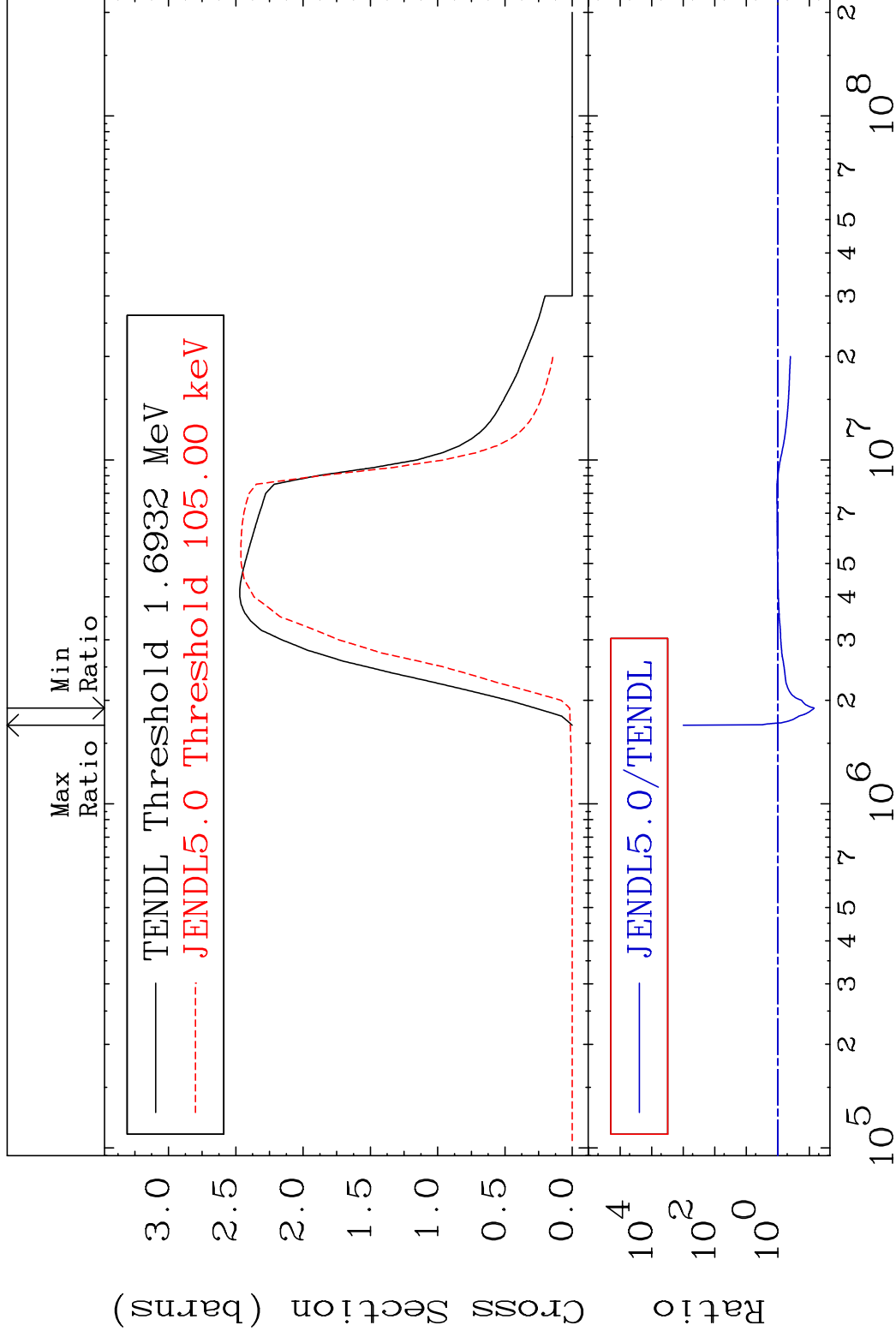


MAT 6249

(n, n') Continuum

62-Sm-152

Cross Section -92.98 To 9999. %



40

Incident Energy (eV)

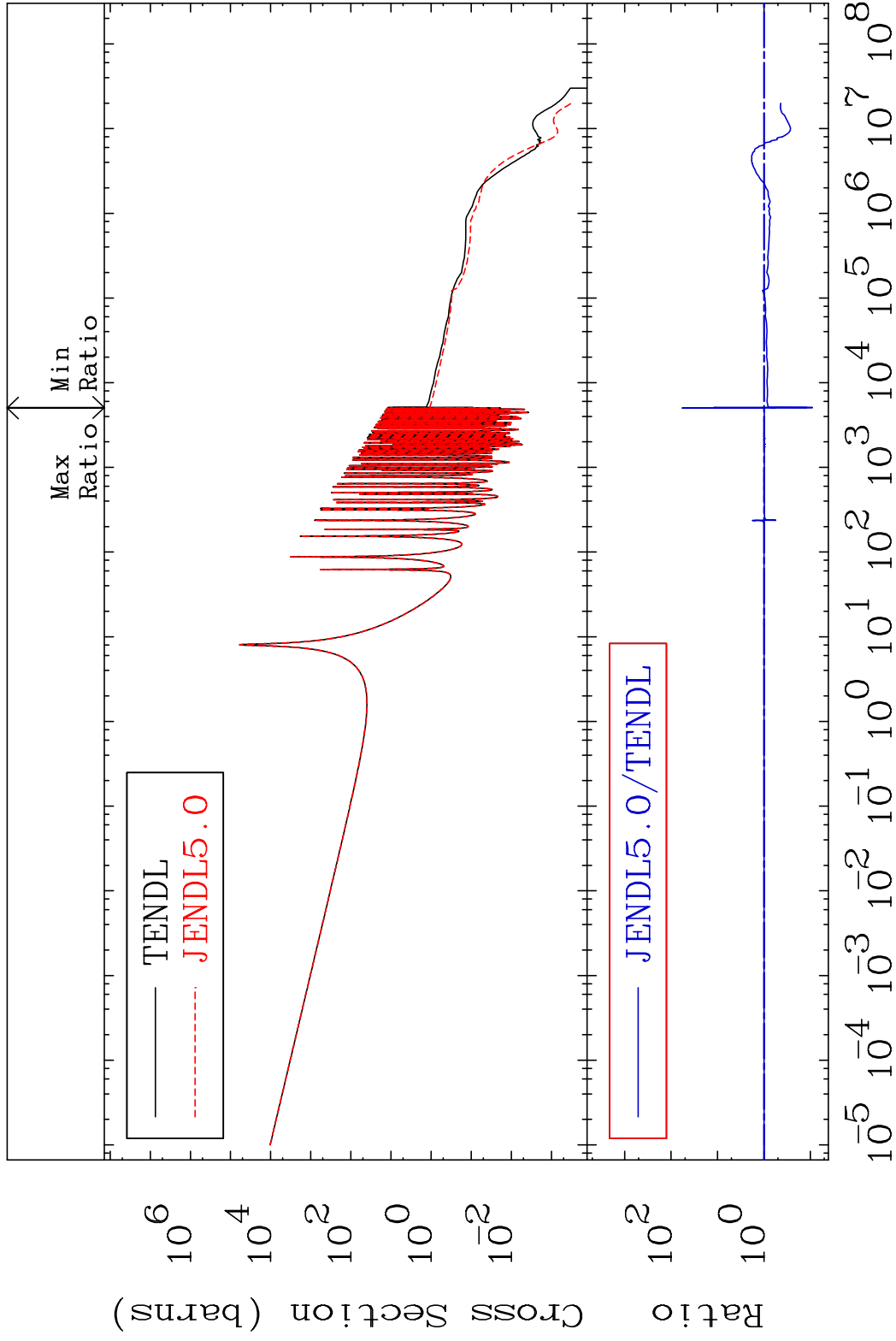
62-Sm-152

MAT 6249

(n,  $\gamma$ )

62-Sm-152

Cross Section -91.03 To 5619. %



41

Incident Energy (eV)

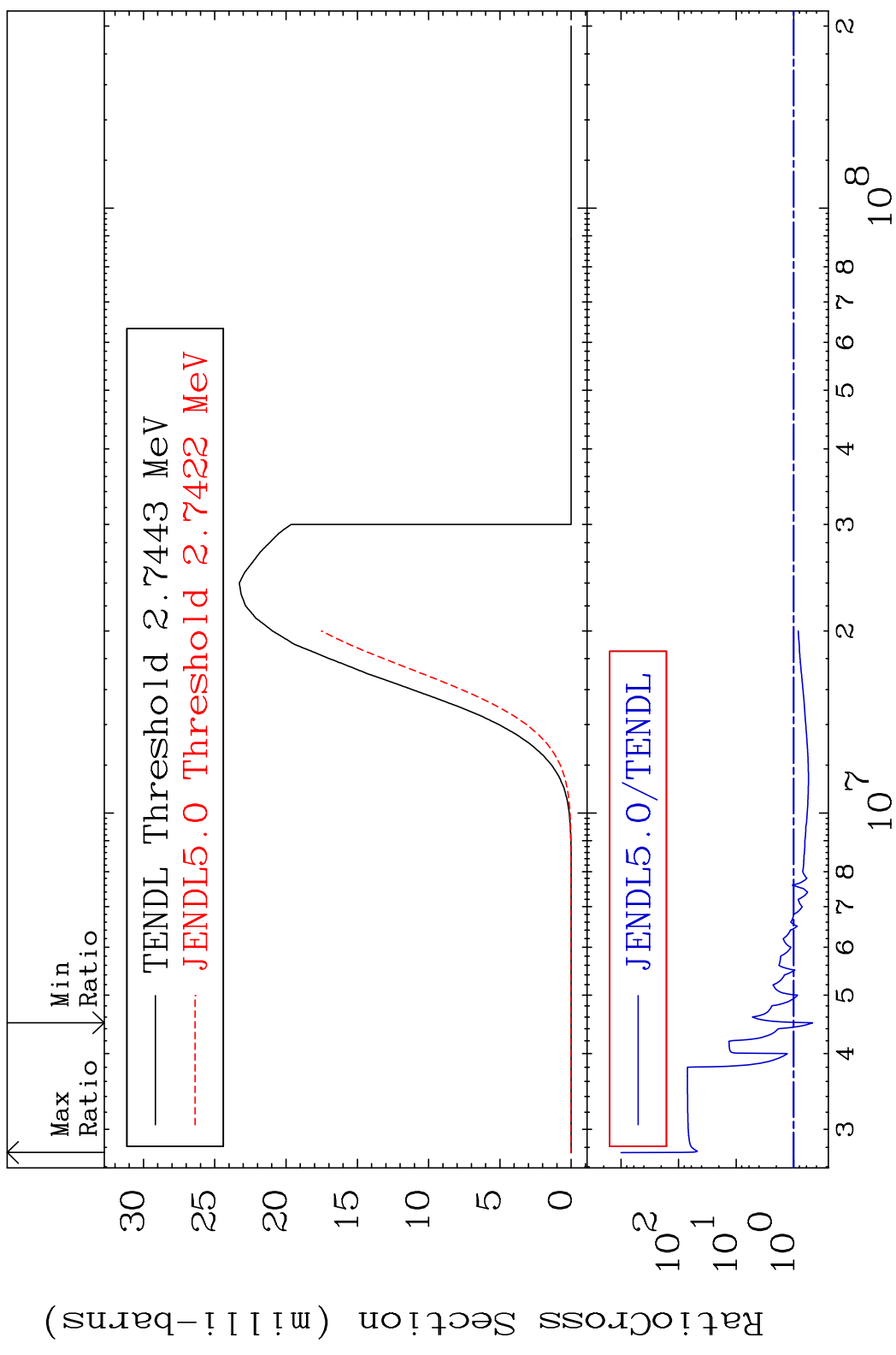
62-Sm-152

MAT 6249

(n,p)

62-Sm-152

Cross Section -52.98 To 8508. %

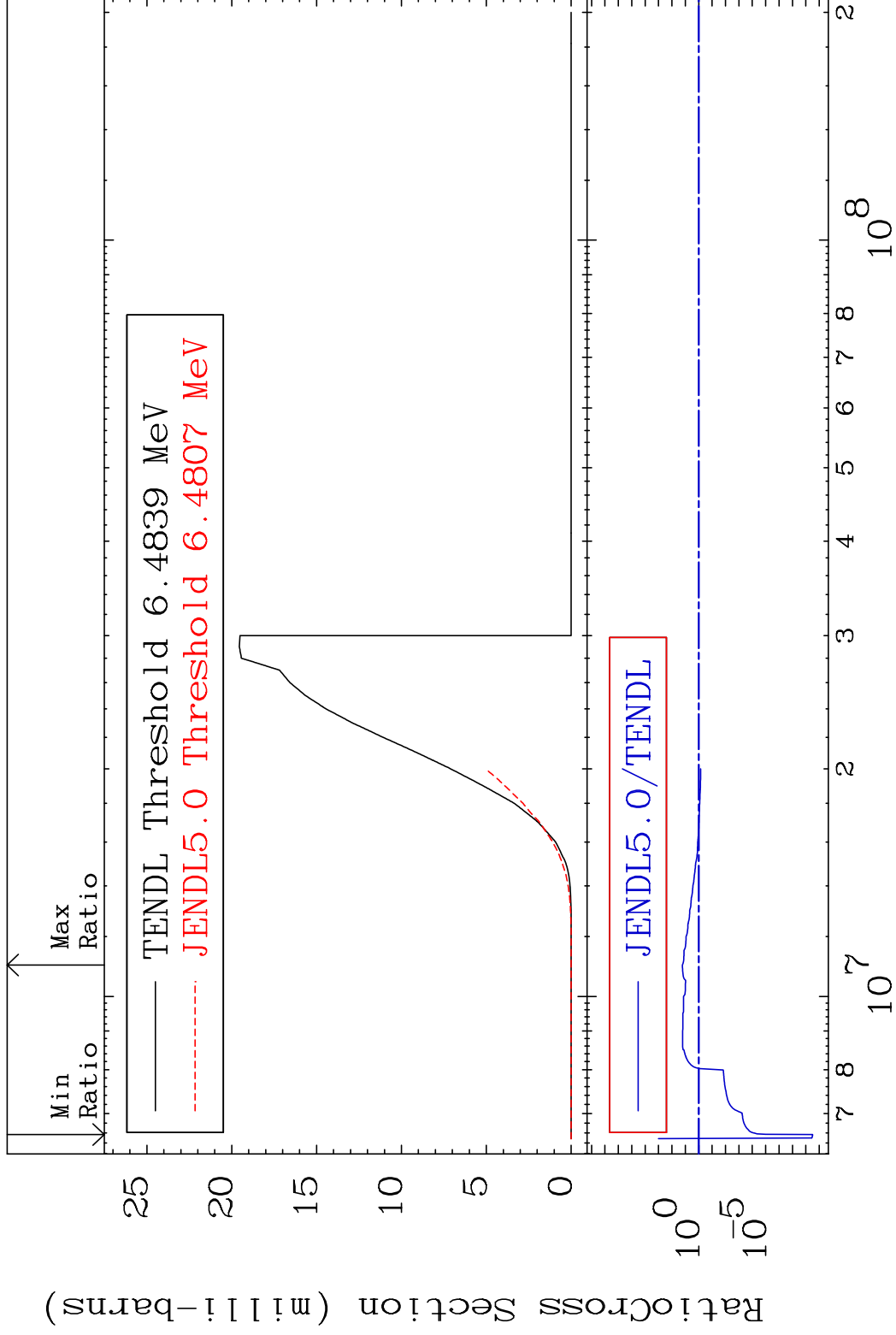


MAT 6249

(n,d)

62-Sm-152

Cross Section -100.0 To 1561. %



43

Incident Energy (eV)

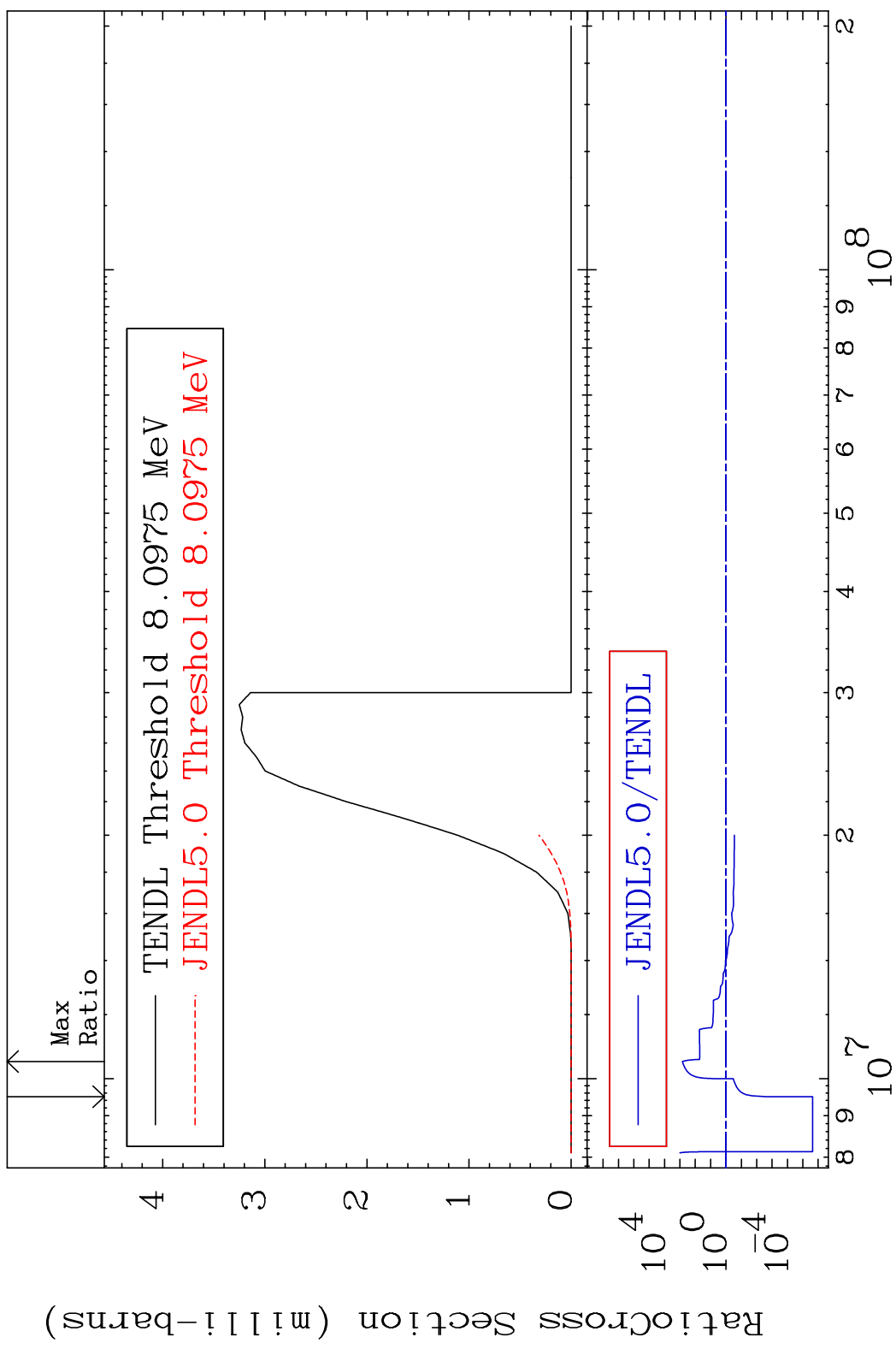
62-Sm-152

MAT 6249

(n, t)

62-Sm-152

Cross Section -100.0 To 9999. %

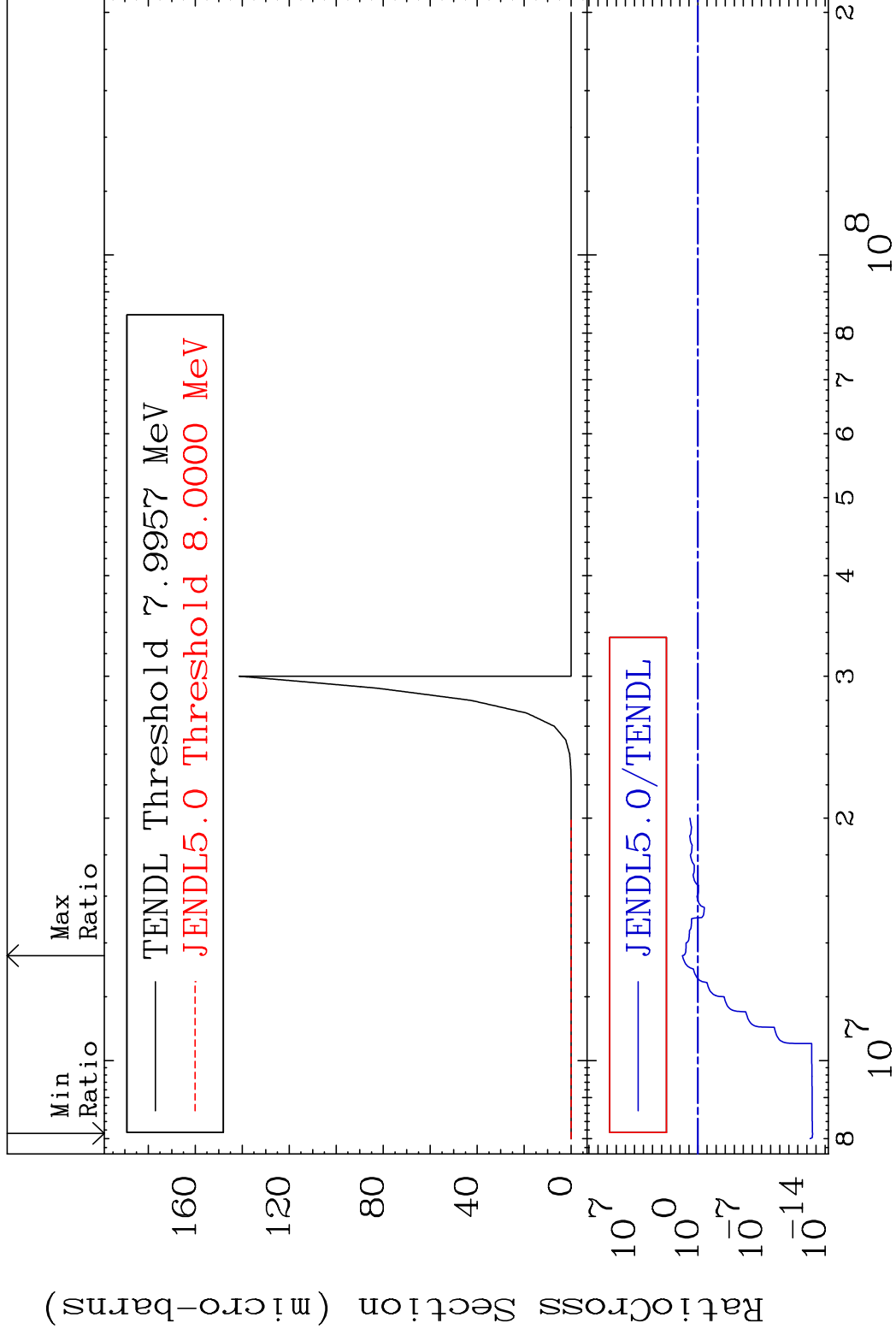


MAT 6249

(n, He-3)

62-Sm-152

Cross Section -100.0 To 5142. %



45

Incident Energy (eV)

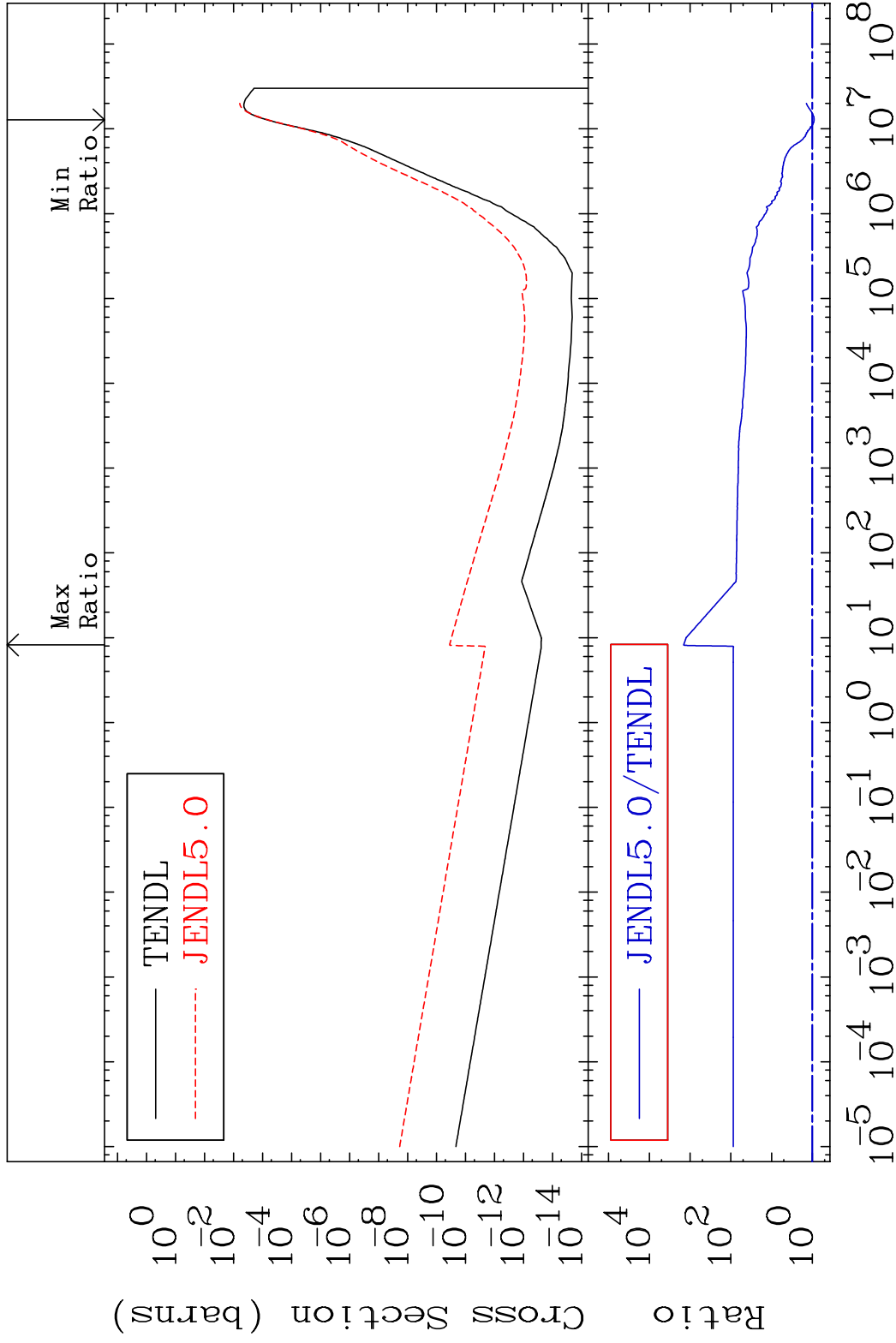
62-Sm-152

MAT 6249

(n,  $\alpha$ )

62-Sm-152

Cross Section -9.464 To 9999. %

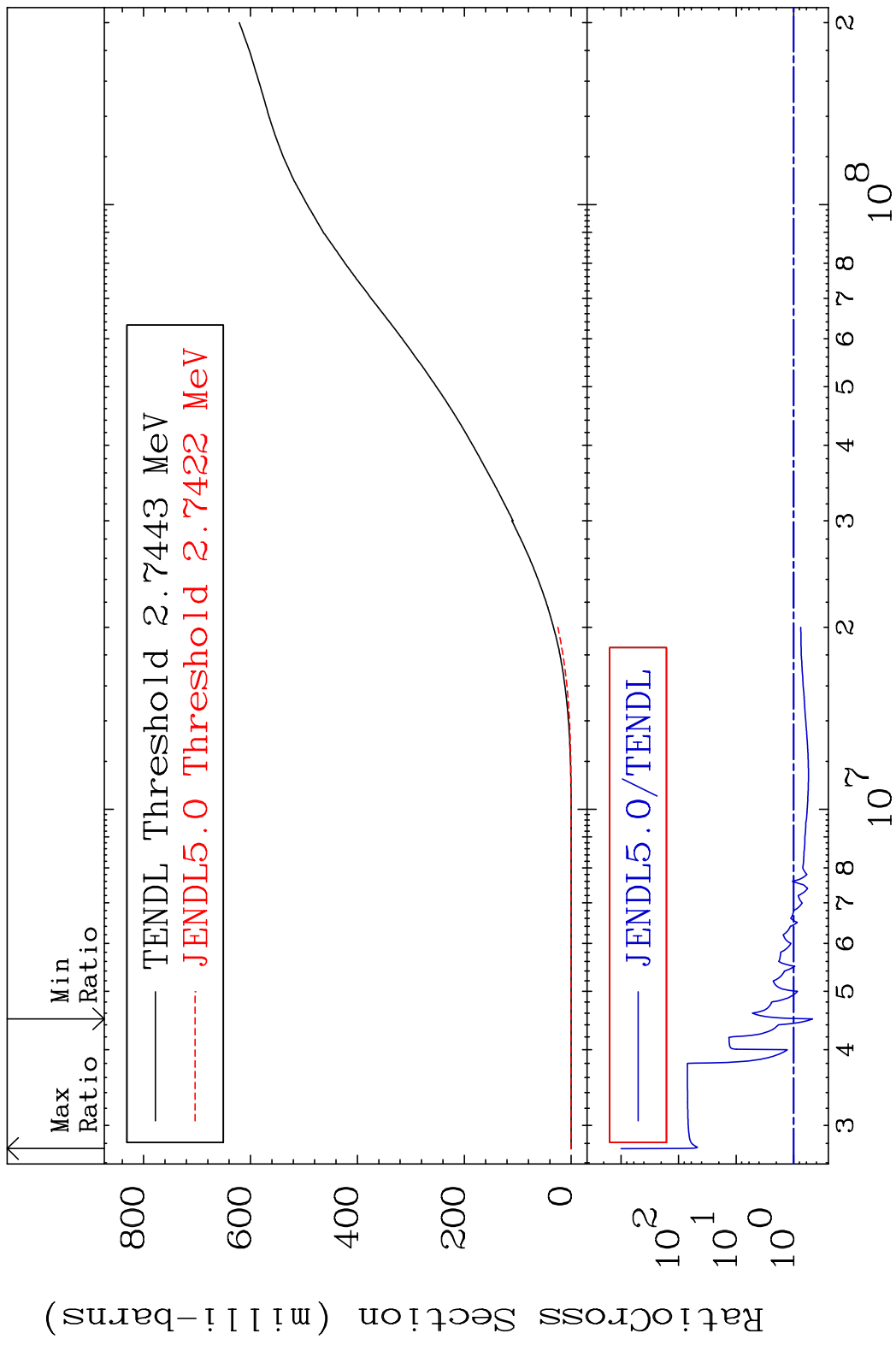


46

Incident Energy (eV)

62-Sm-152

MAT 6249 Hydrogen Production 62-Sm-152  
 Cross Section -52.98 To 8508. %

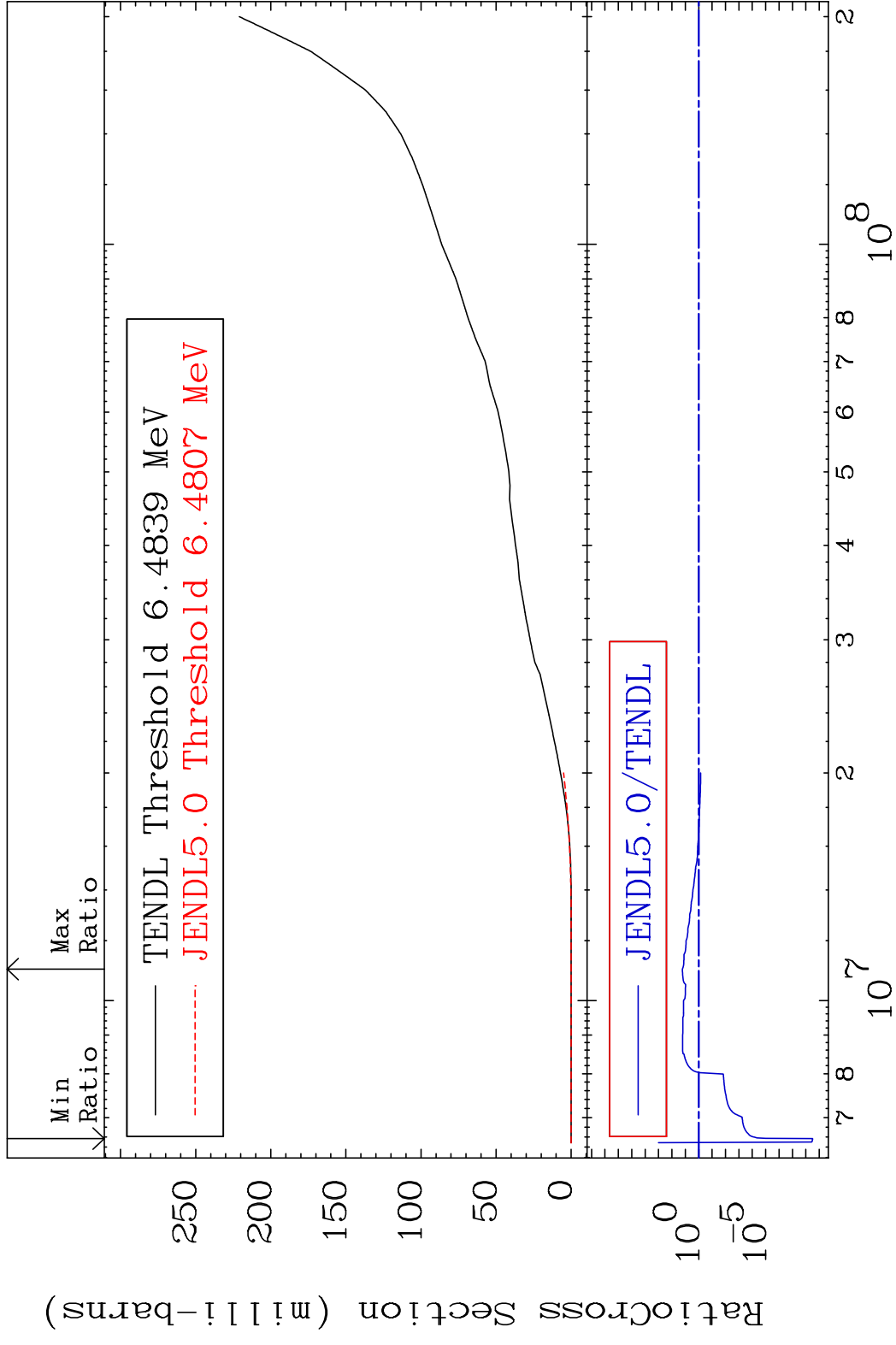


MAT 6249

Deuterium Production

62-Sm-152

Cross Section -100.0 To 1561. %

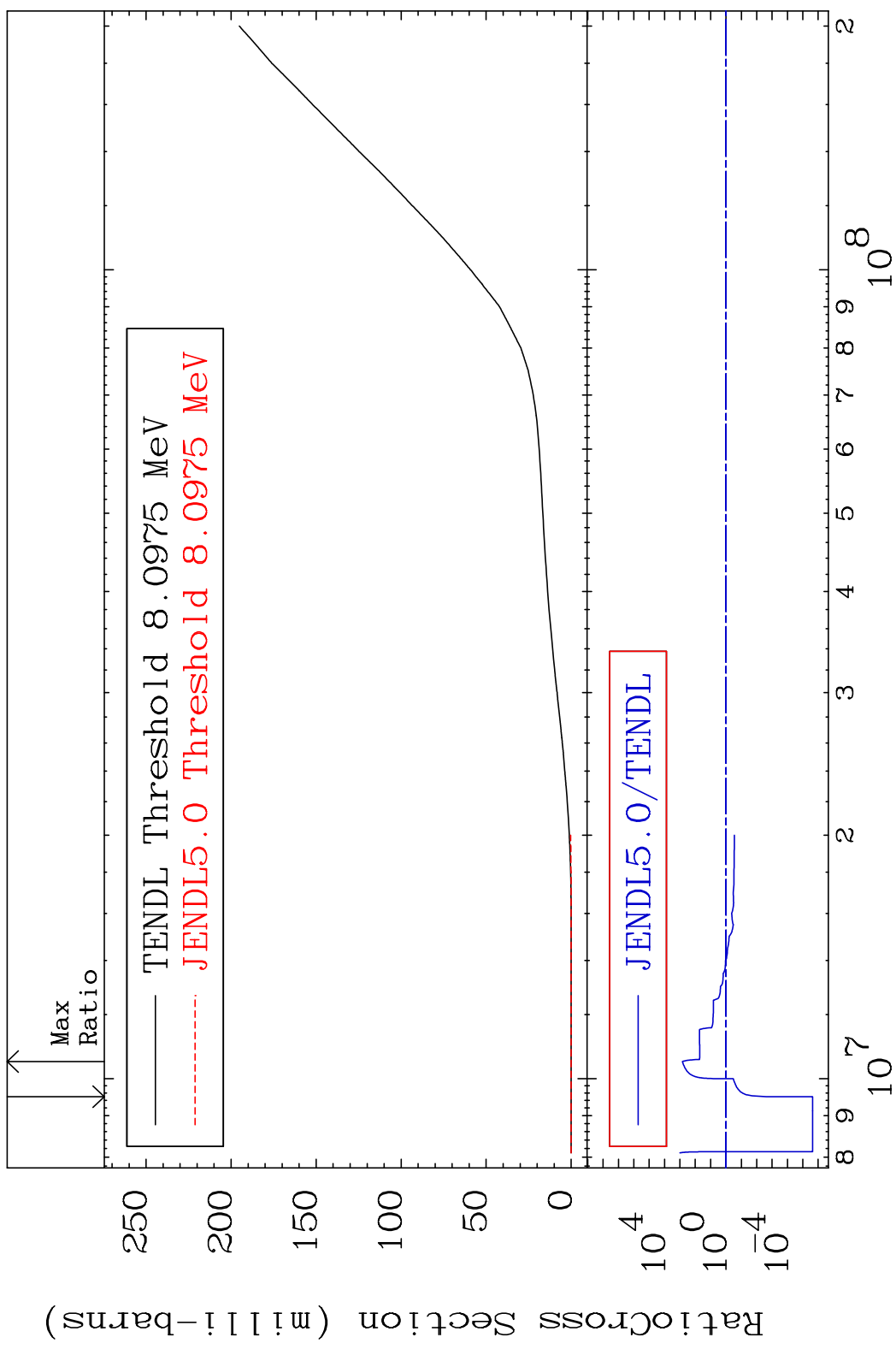


MAT 6249

Tritium Production

62-Sm-152

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

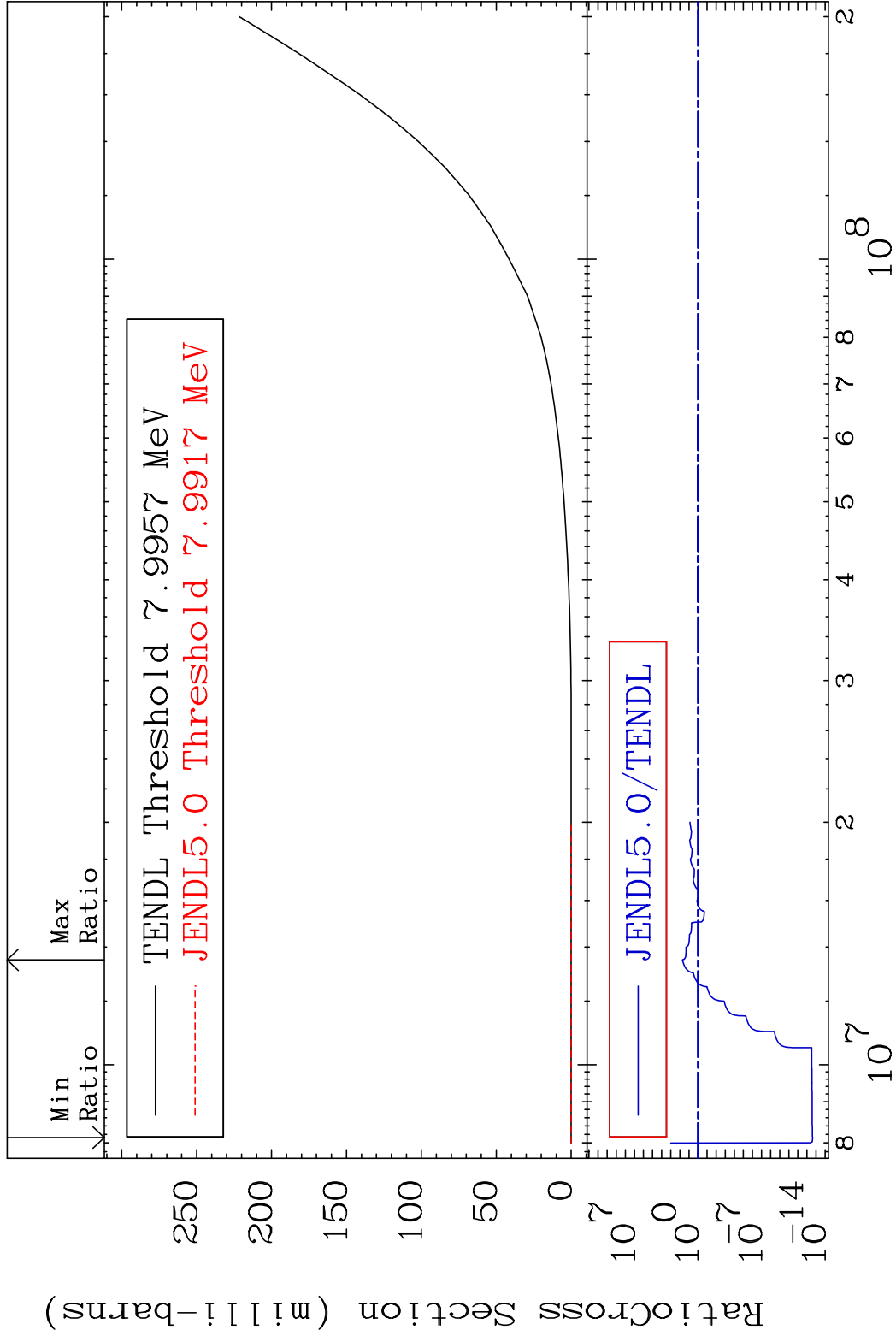
62-Sm-152

MAT 6249

He-3 Production

62-Sm-152

Cross Section -100.0 To 5142. %



50

Incident Energy (eV)

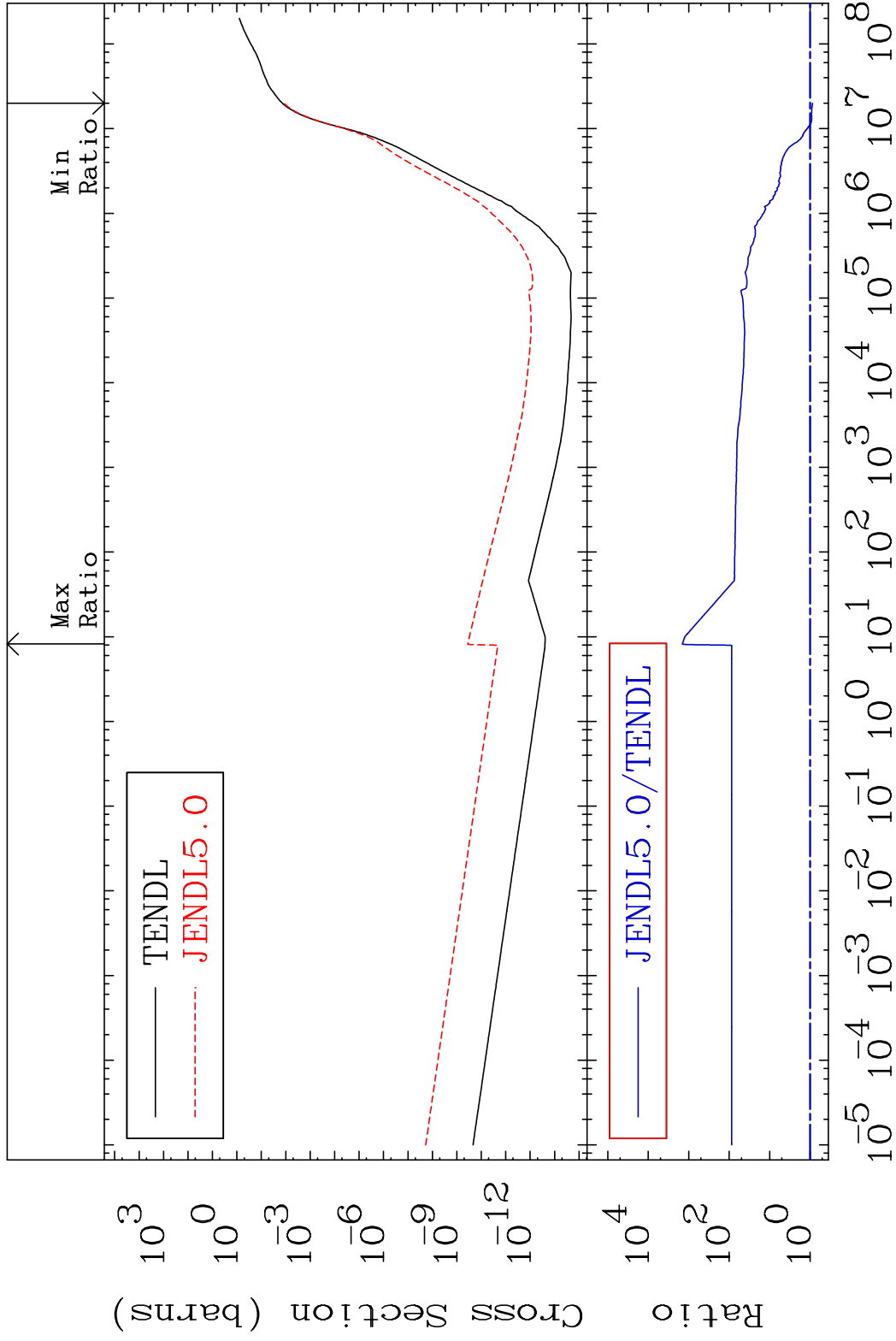
62-Sm-152

MAT 6249

He-4 Production

62-Sm-152

Cross Section -13.17 To 9999. %

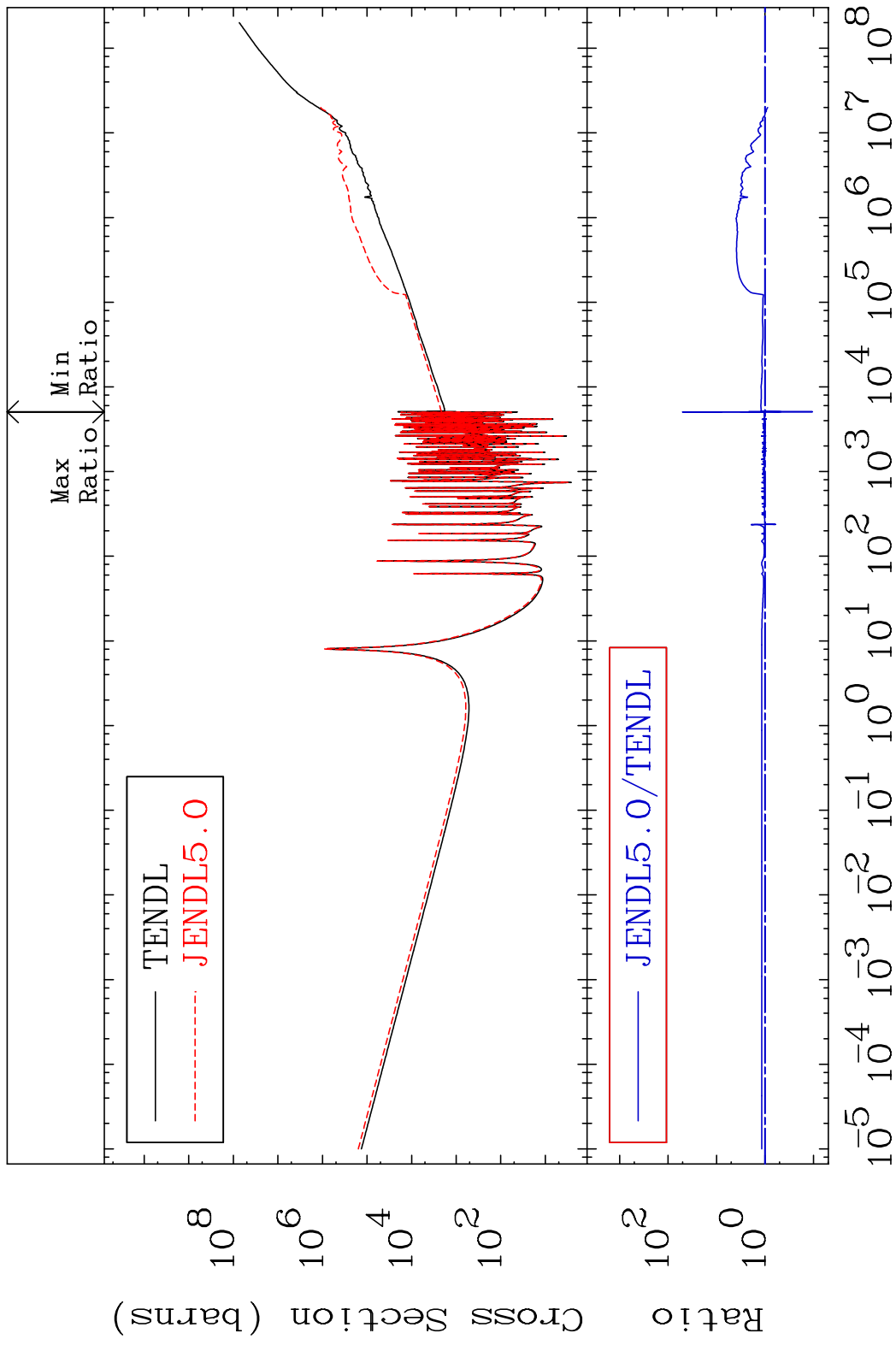


51

Incident Energy (eV)

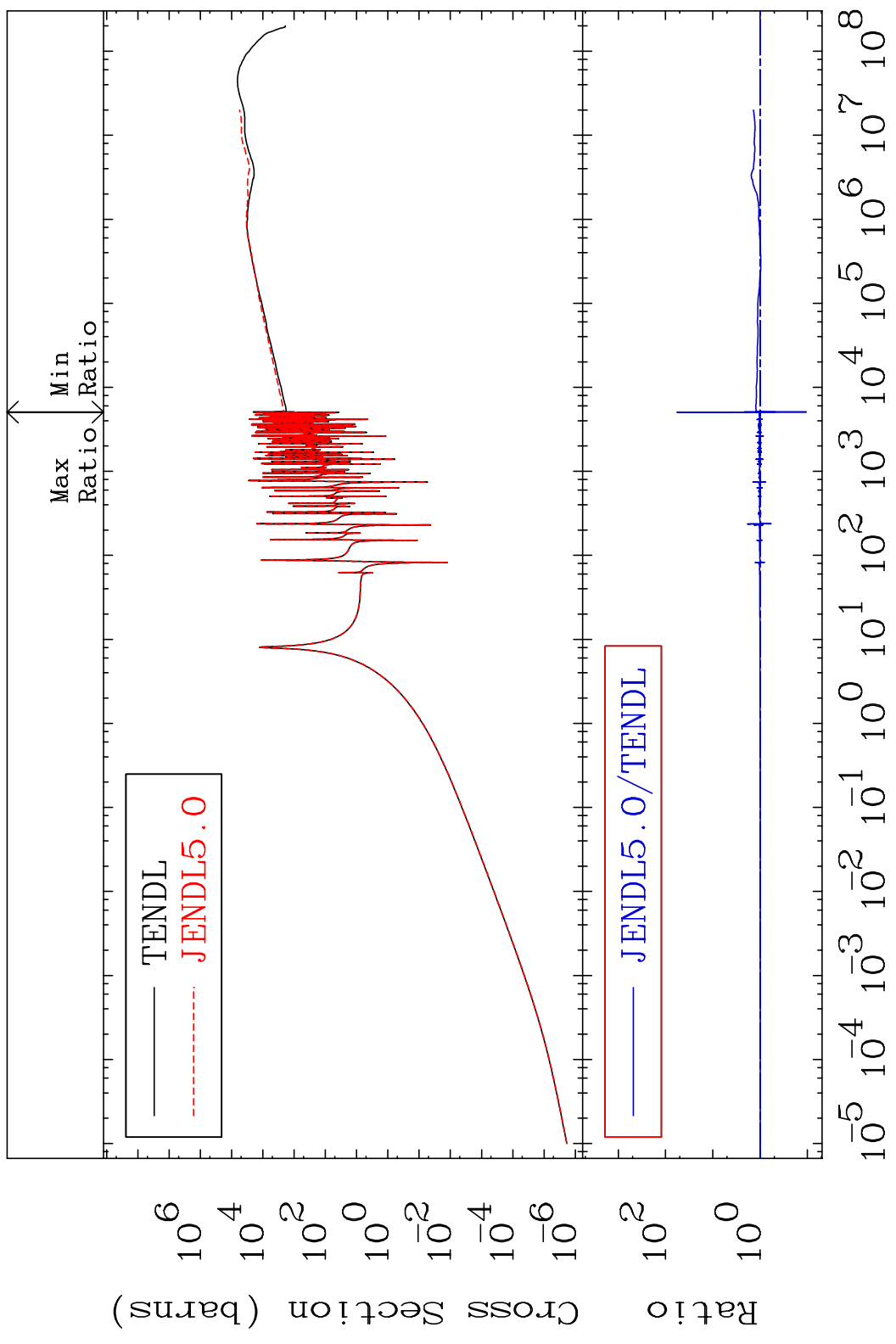
62-Sm-152

MAT 6249 Kerma total (eV-barns) 62-Sm-152  
 Cross Section -89.55 To 4970. %

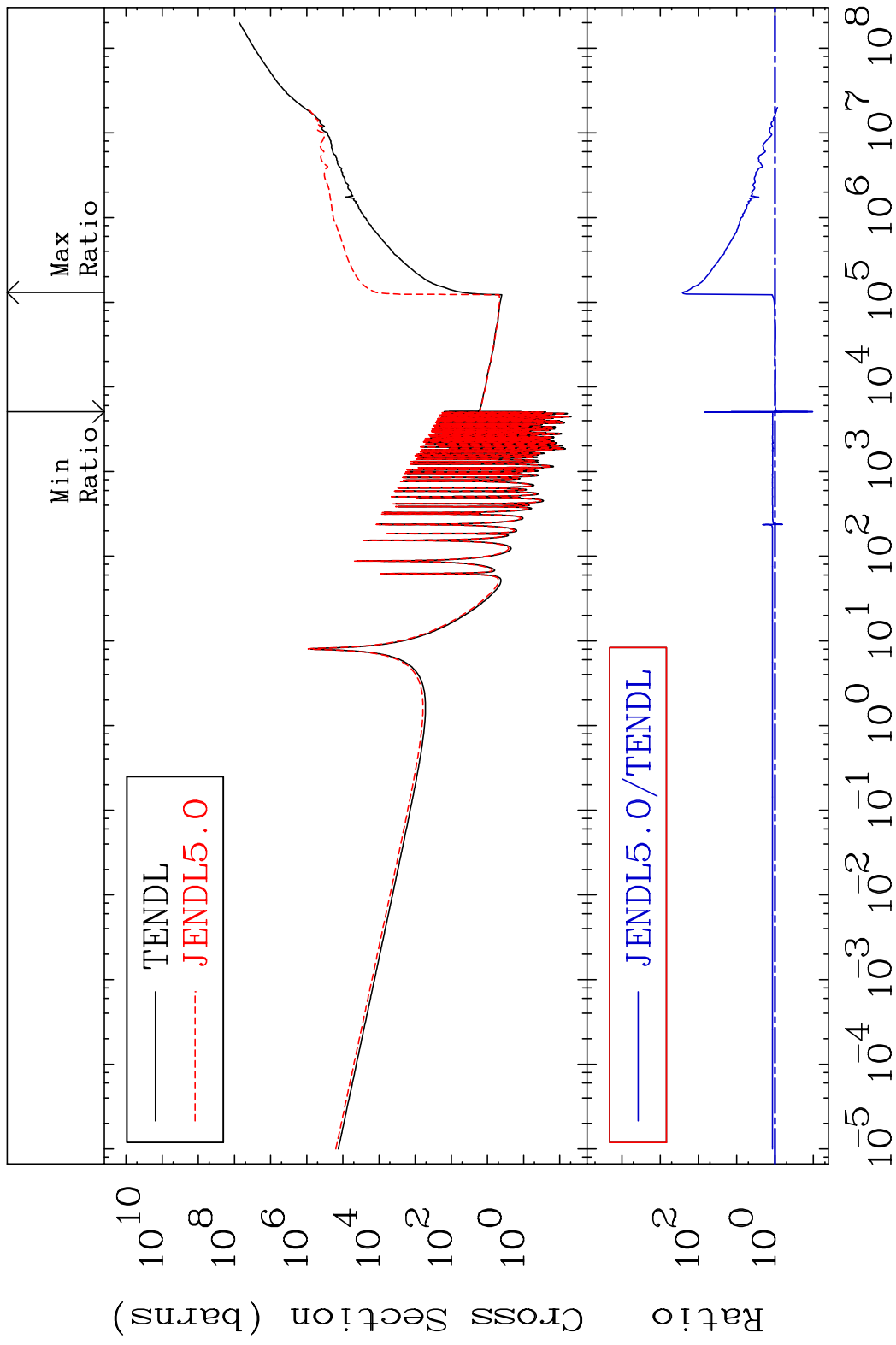


MAT 6249

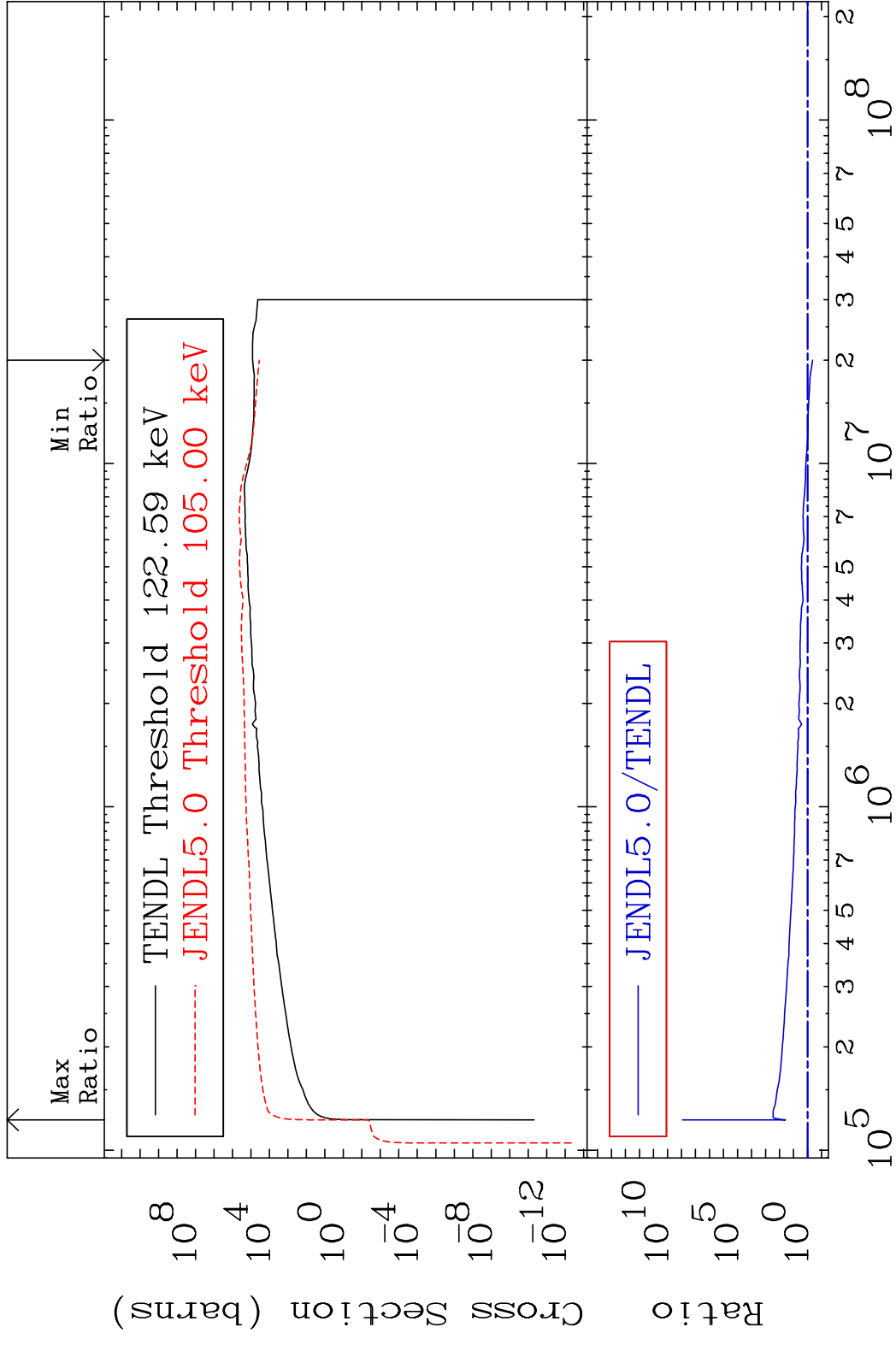
Kerma elastic Cross Section -89.57 To 5573. %  
62-Sm-152



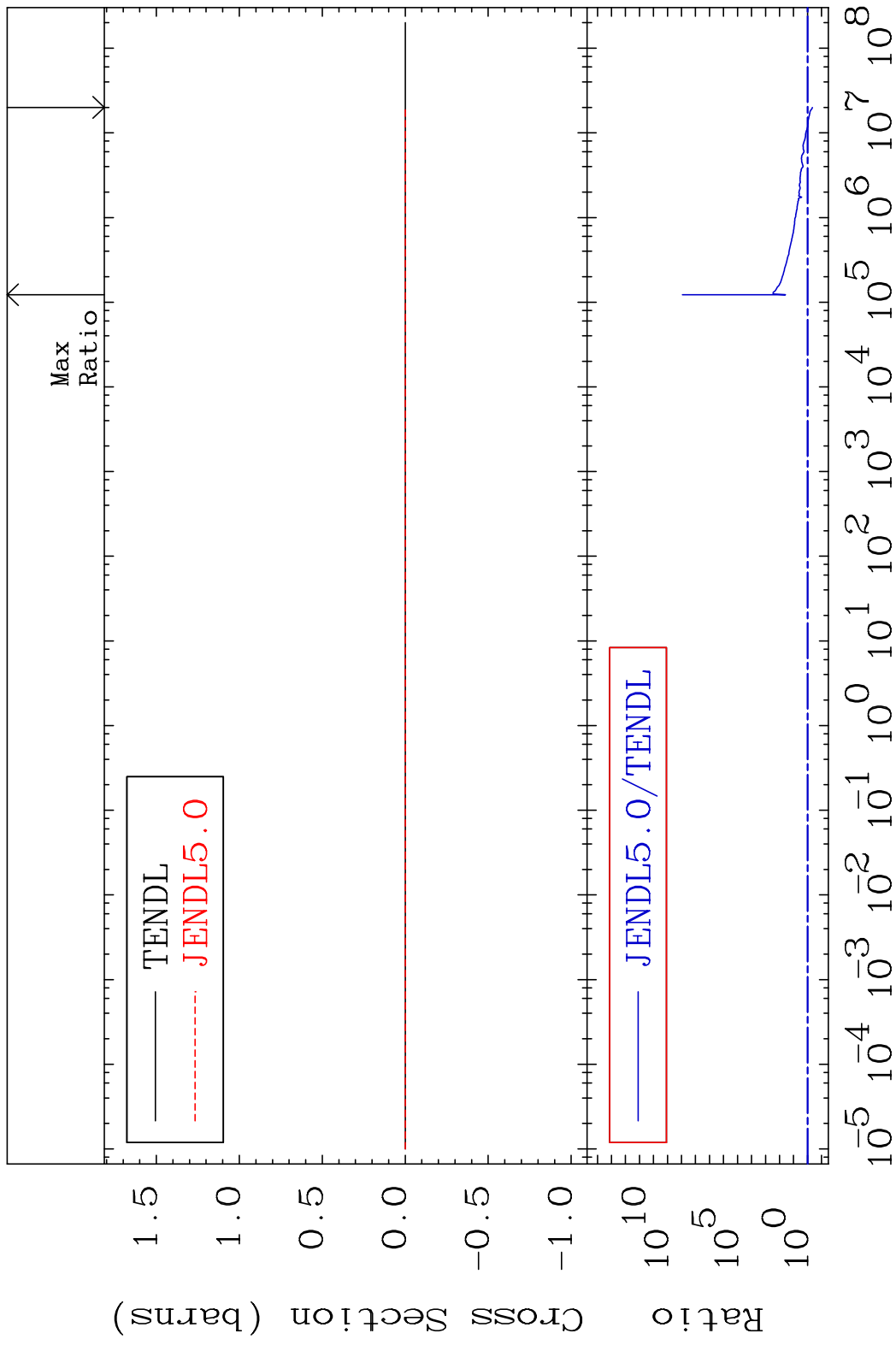
MAT 6249 Kerma non-elastic (all but mt2) 62-Sm-152  
 Cross Section -89.51 To 9999. %



MAT 6249 Kerma inelastic (mt51-91) 62-Sm-152  
 Cross Section -56.24 To 9999. %

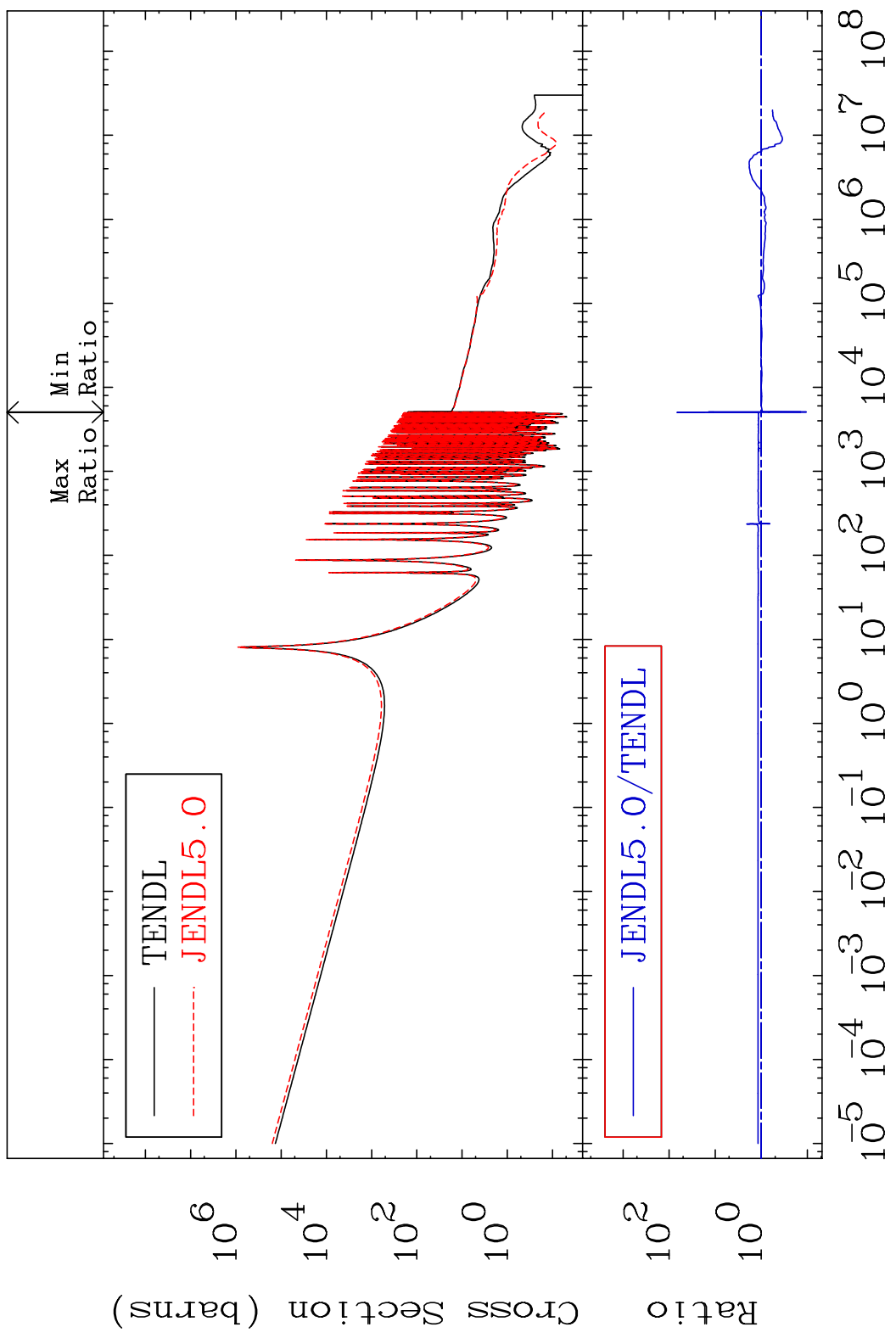


MAT 6249 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-152  
 Cross Section -56.24 To 9999. %



MAT 6249

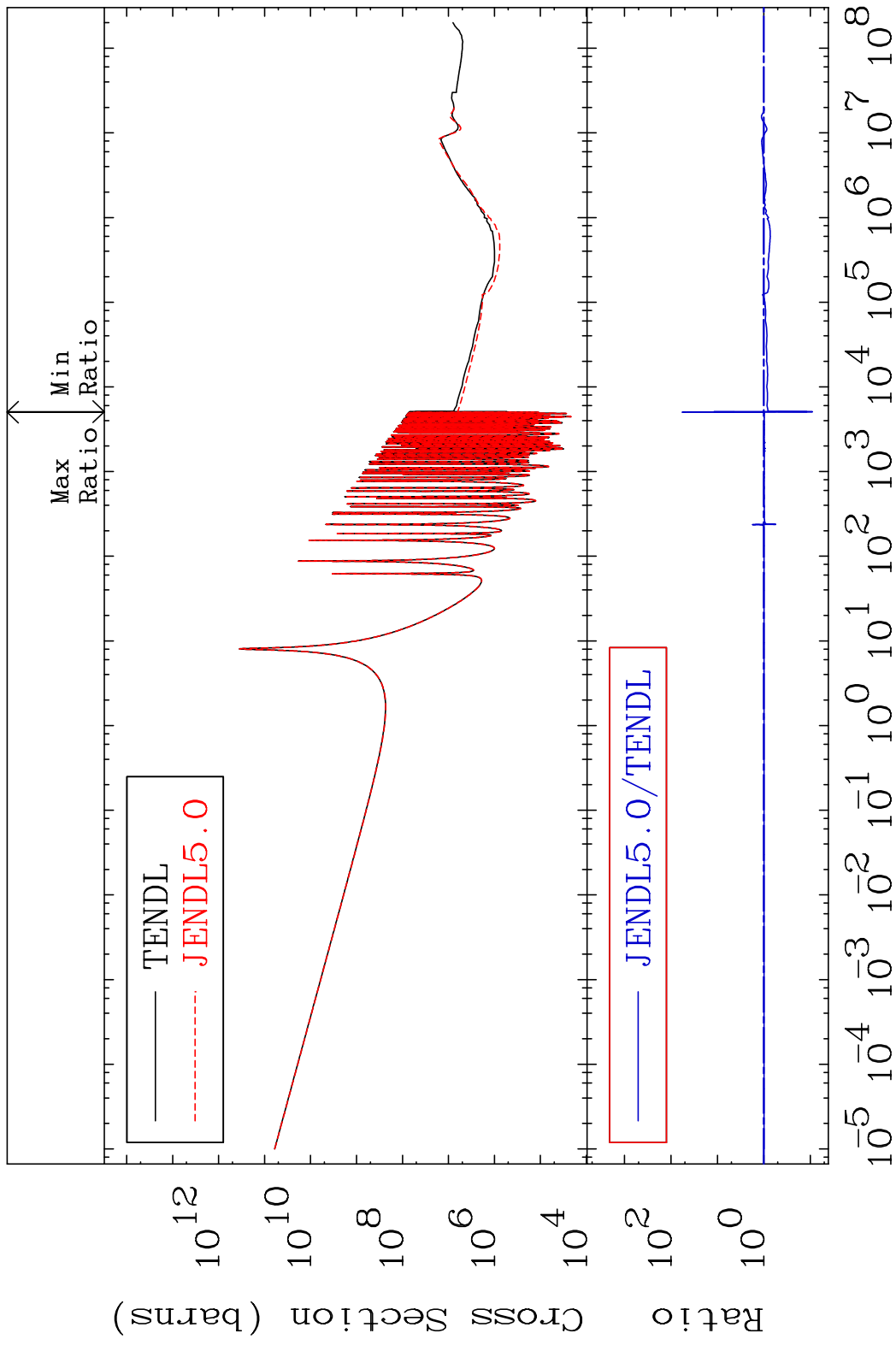
Kerma capture (mt102) 62-Sm-152  
Cross Section -89.51 To 6590. %



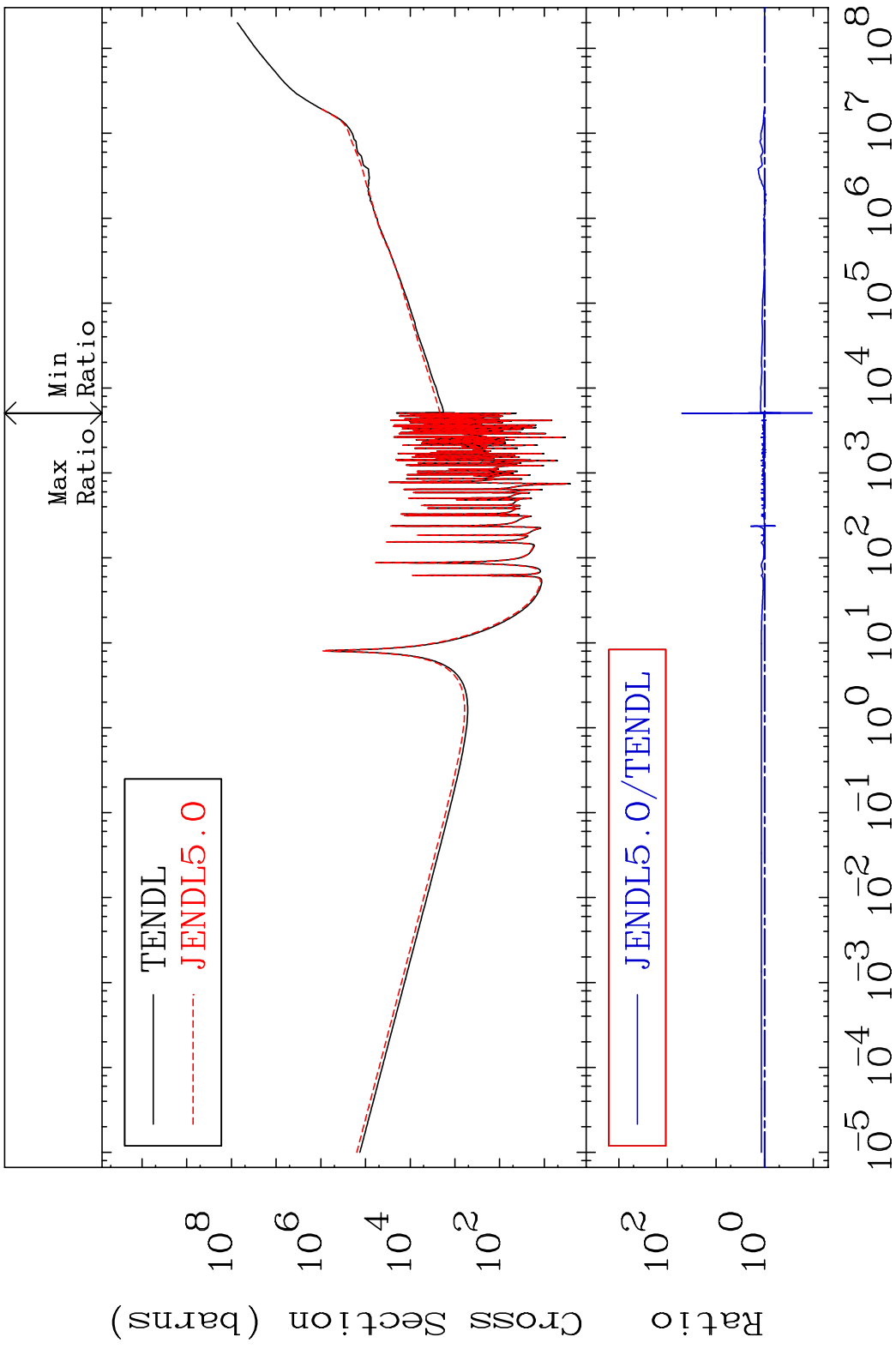
57

Incident Energy (eV) 62-Sm-152

MAT 6249 Total photon (eV-barns) 62-Sm-152  
 Cross Section -91.08 To 5590. %



MAT 6249 Total kinematic kerma (high limit) 62-Sm-152  
 Cross Section -89.55 To 4970. %

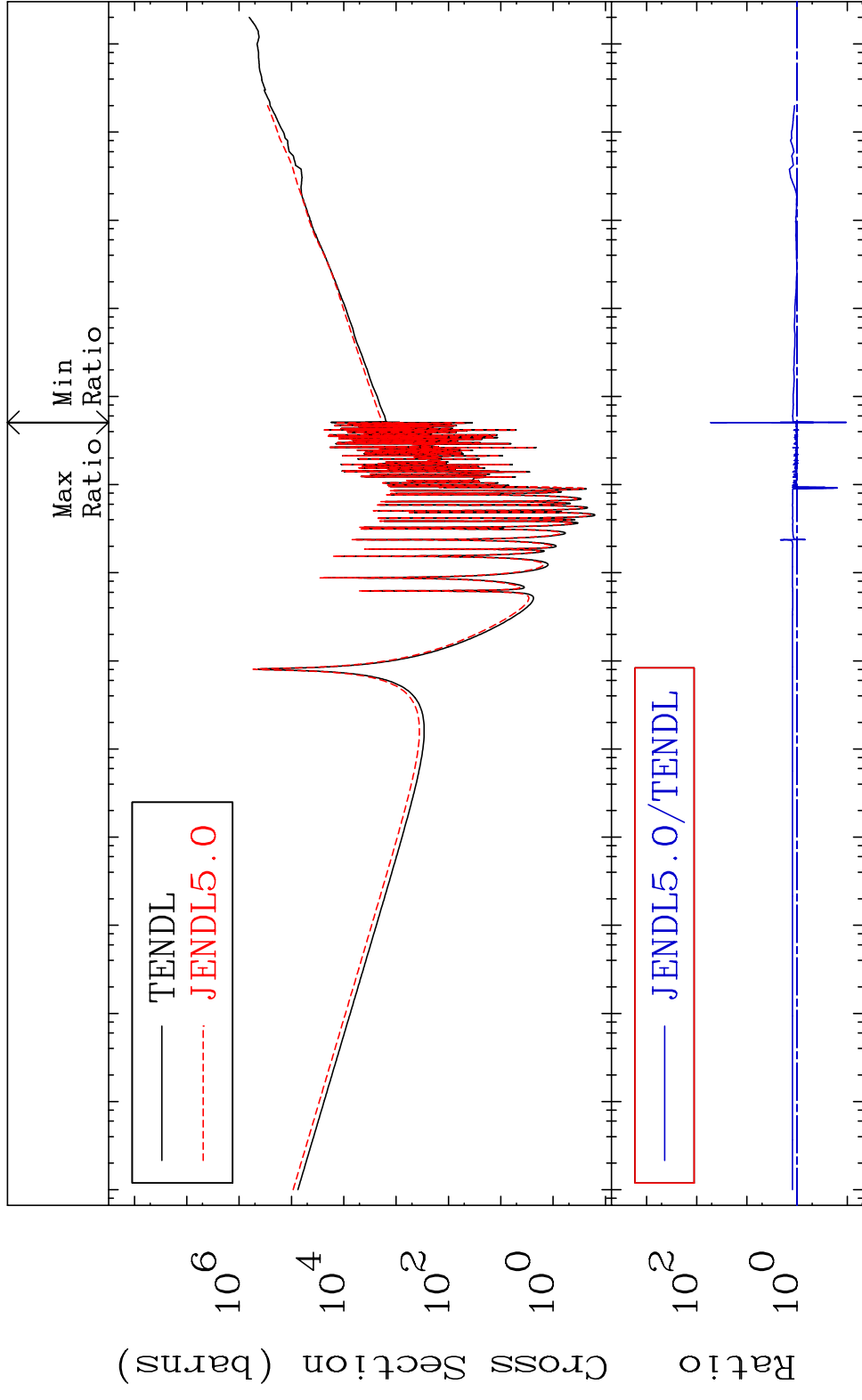


MAT 6249

Dpa total (eV-barns)

62-Sm-152

Cross Section -89.57 To 5154. %



60

Incident Energy (eV)

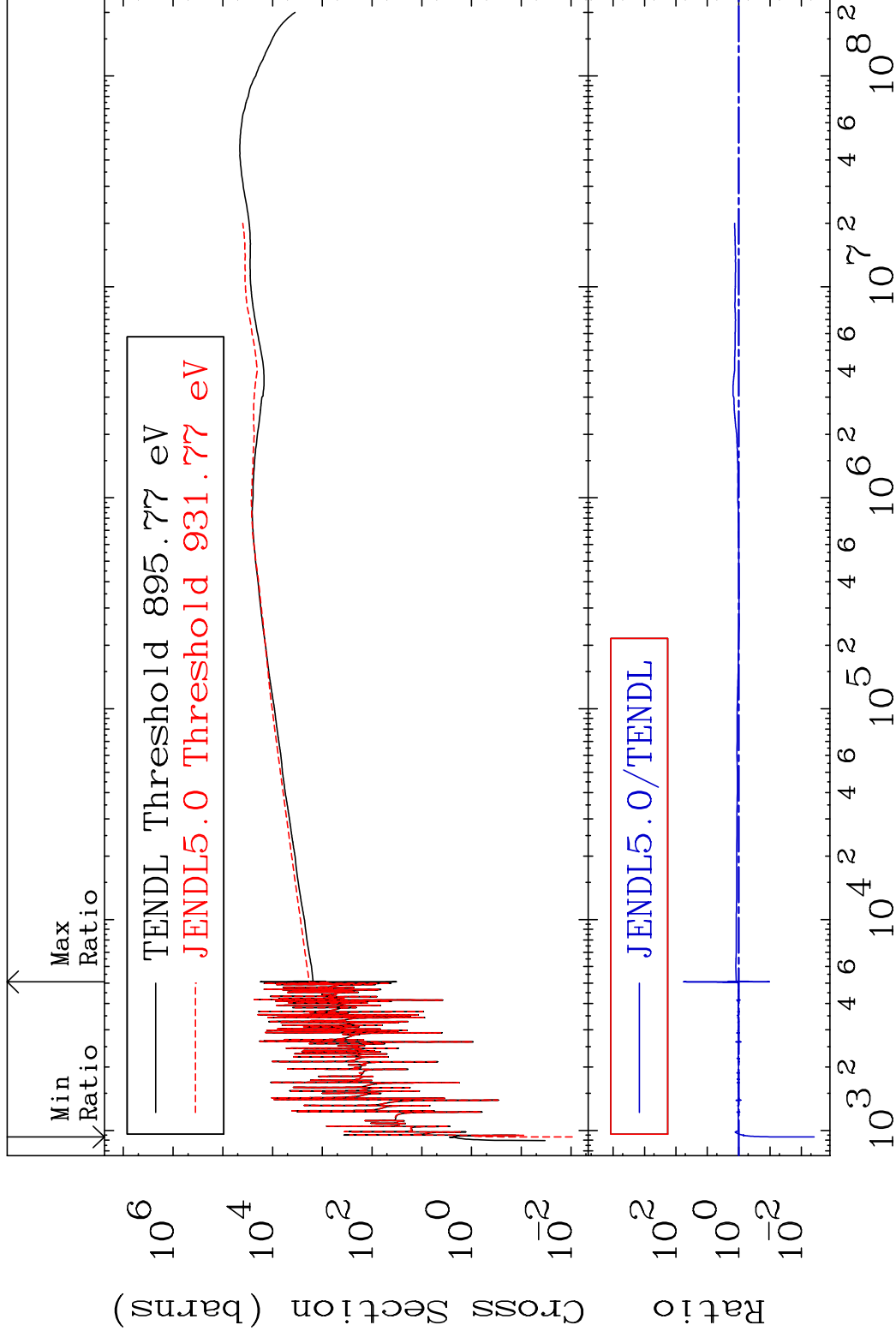
62-Sm-152

MAT 6249

Dpa elastic (mt2)

62-Sm-152

Cross Section -99.61 To 5560. %



61

Incident Energy (eV)

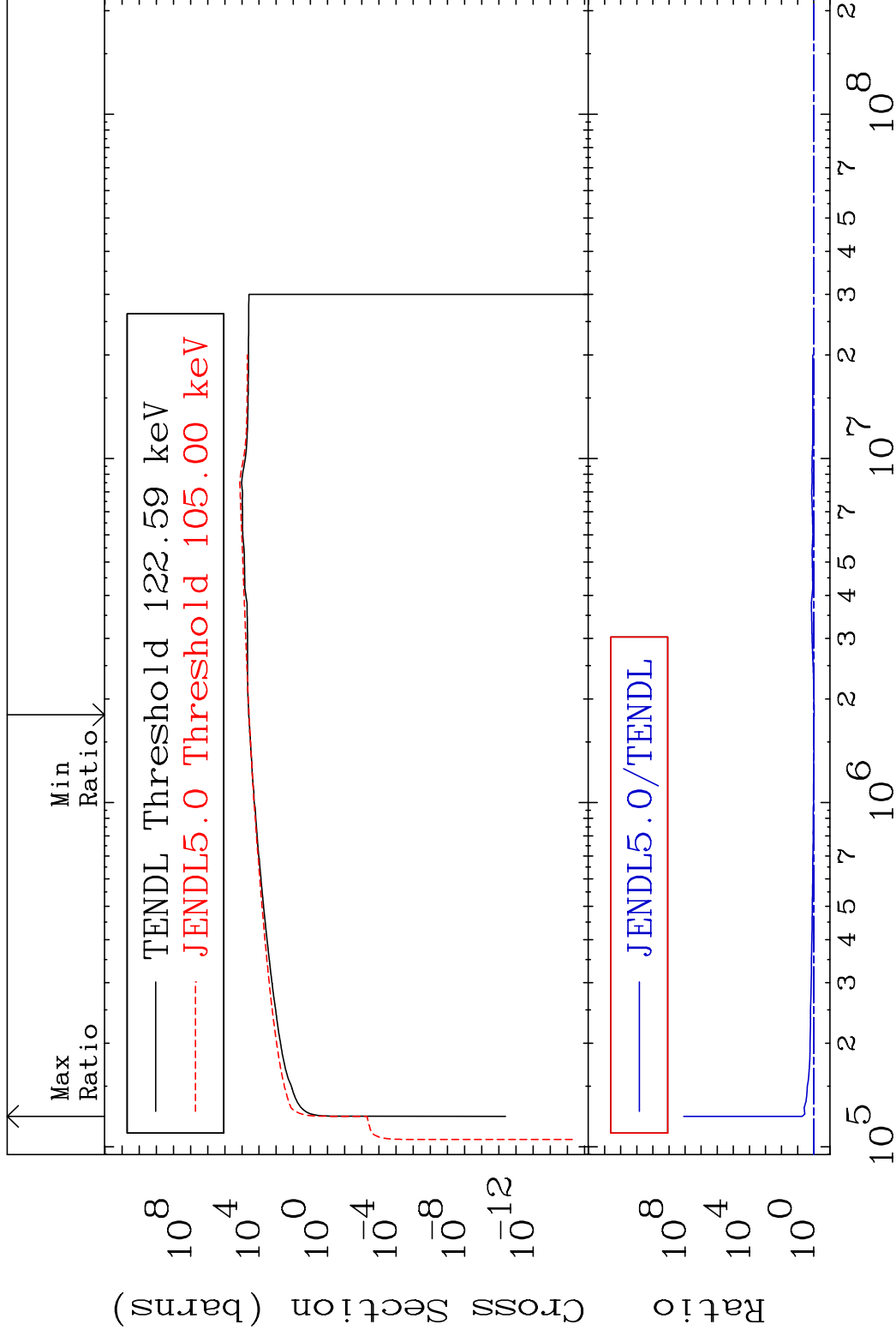
62-Sm-152

MAT 6249

Dpa inelastic (mt51-91)

62-Sm-152

Cross Section -4.791 To 9999. %



62

Incident Energy (eV)

62-Sm-152

MAT 6249 Dpa disappearance (mt102 -120) 62-Sm-152  
 Cross Section -89.02 To 6902. %

