

Program Complot  
(Version 2021-1)

by

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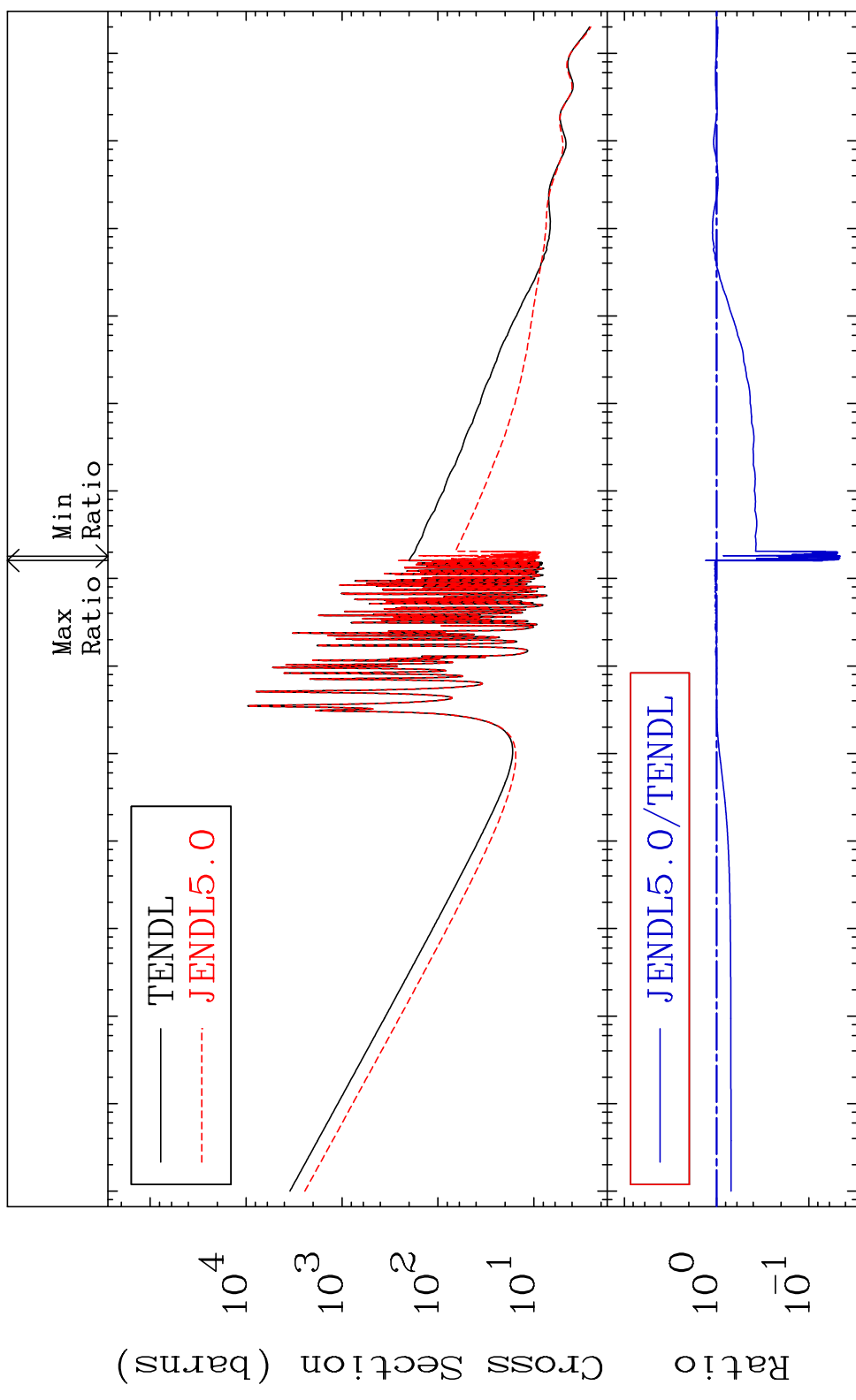
Press Mouse Button to Start

MAT 7119

Total

71-Lu-173

Cross Section -95.46 To 30.99 %



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>-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)

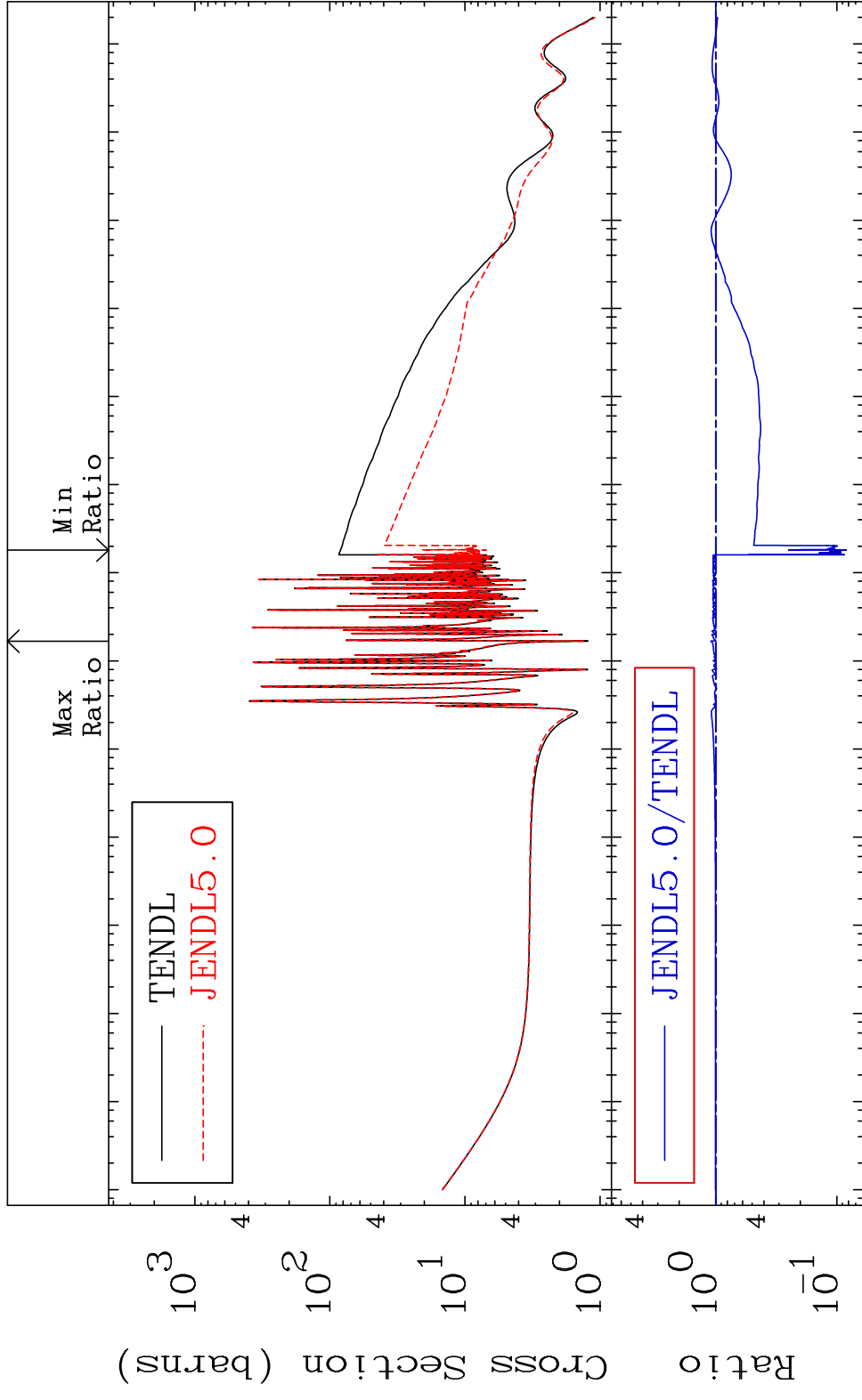
71-Lu-173

MAT 7119

71-Lu-173

Elastic

Cross Section -91.64 To 9.782 %

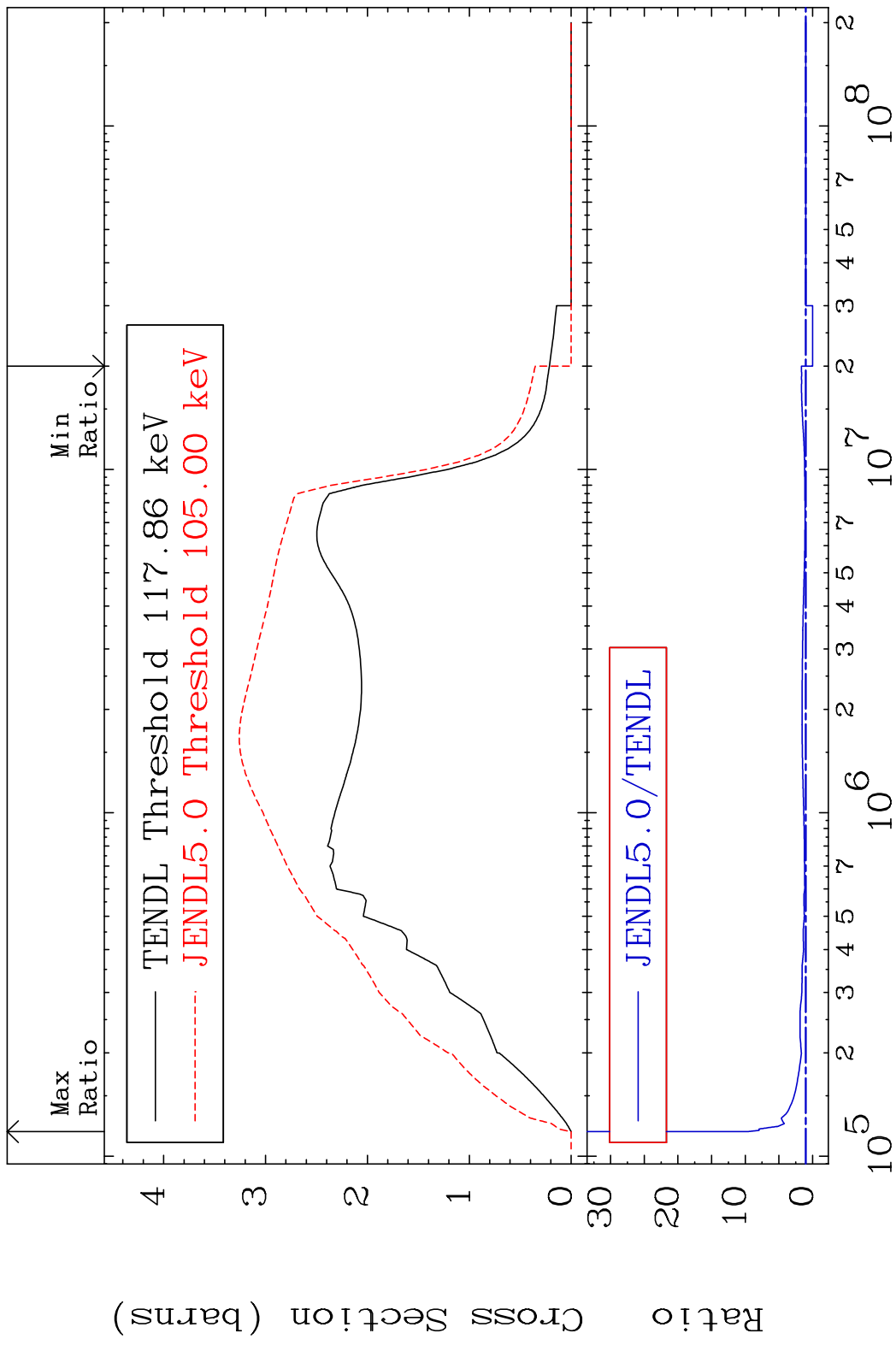


2

Incident Energy (eV)

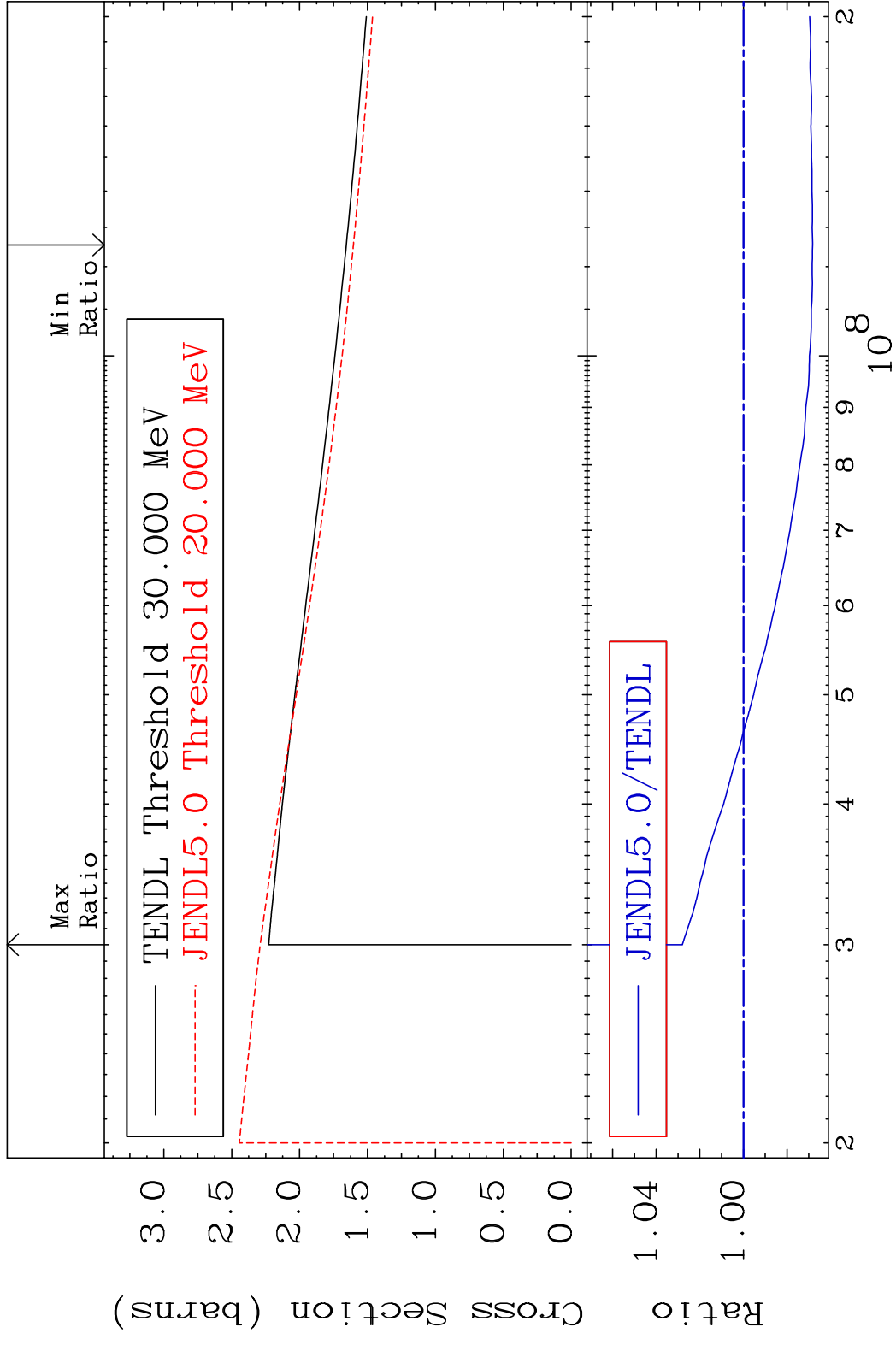
71-Lu-173

MAT 7119 Inelastic 71-Lu-173  
 Cross Section -100.0 To 1834. %



3 Incident Energy (eV) 71-Lu-173

MAT 7119 (n, remainder) 71-Lu-173  
 Cross Section -3.171 To 2.801 %



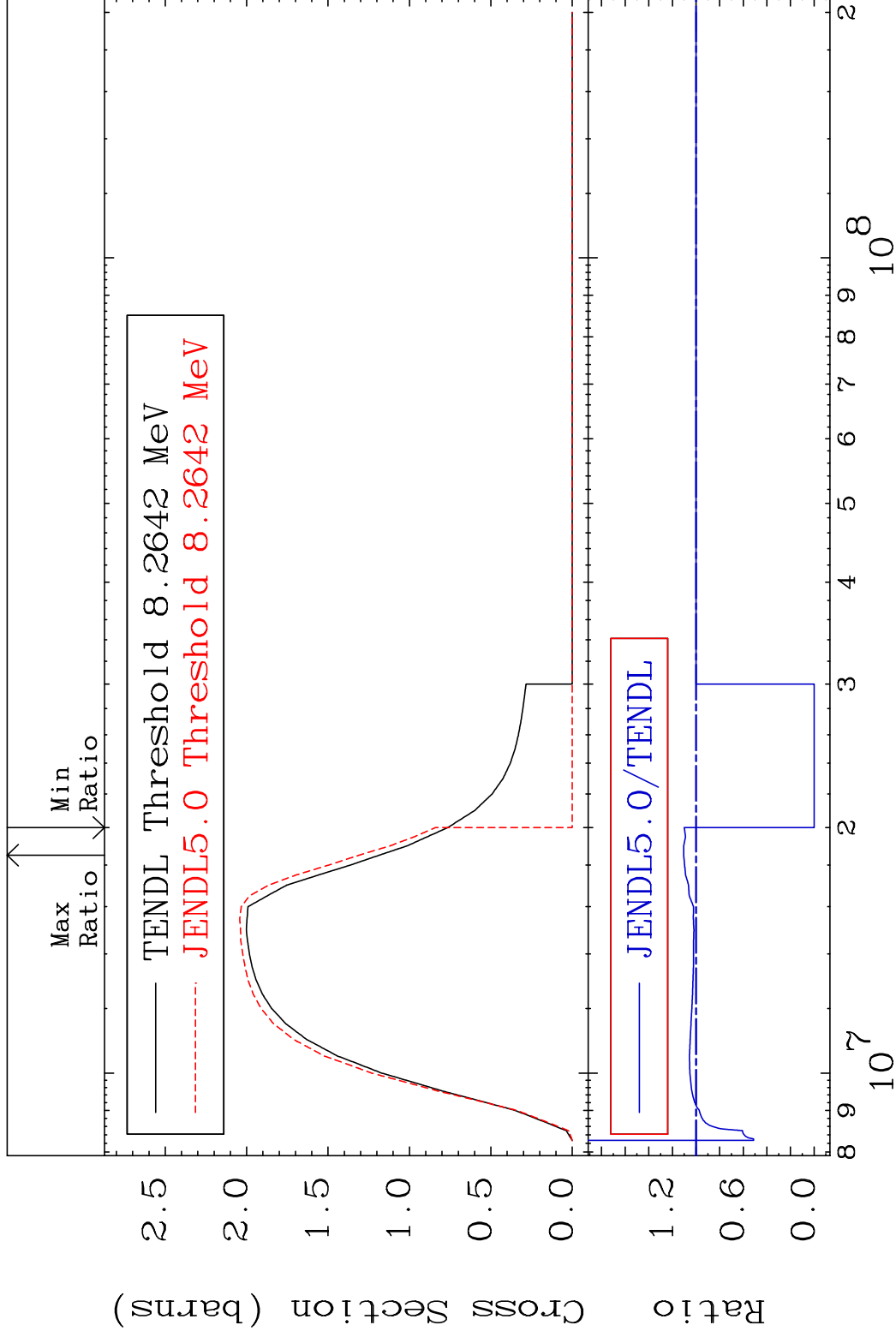
4 Incident Energy (eV) 71-Lu-173

MAT 7119

(n,2n)

71-Lu-173

Cross Section -100.0 To 10.46 %



5

Incident Energy (eV)

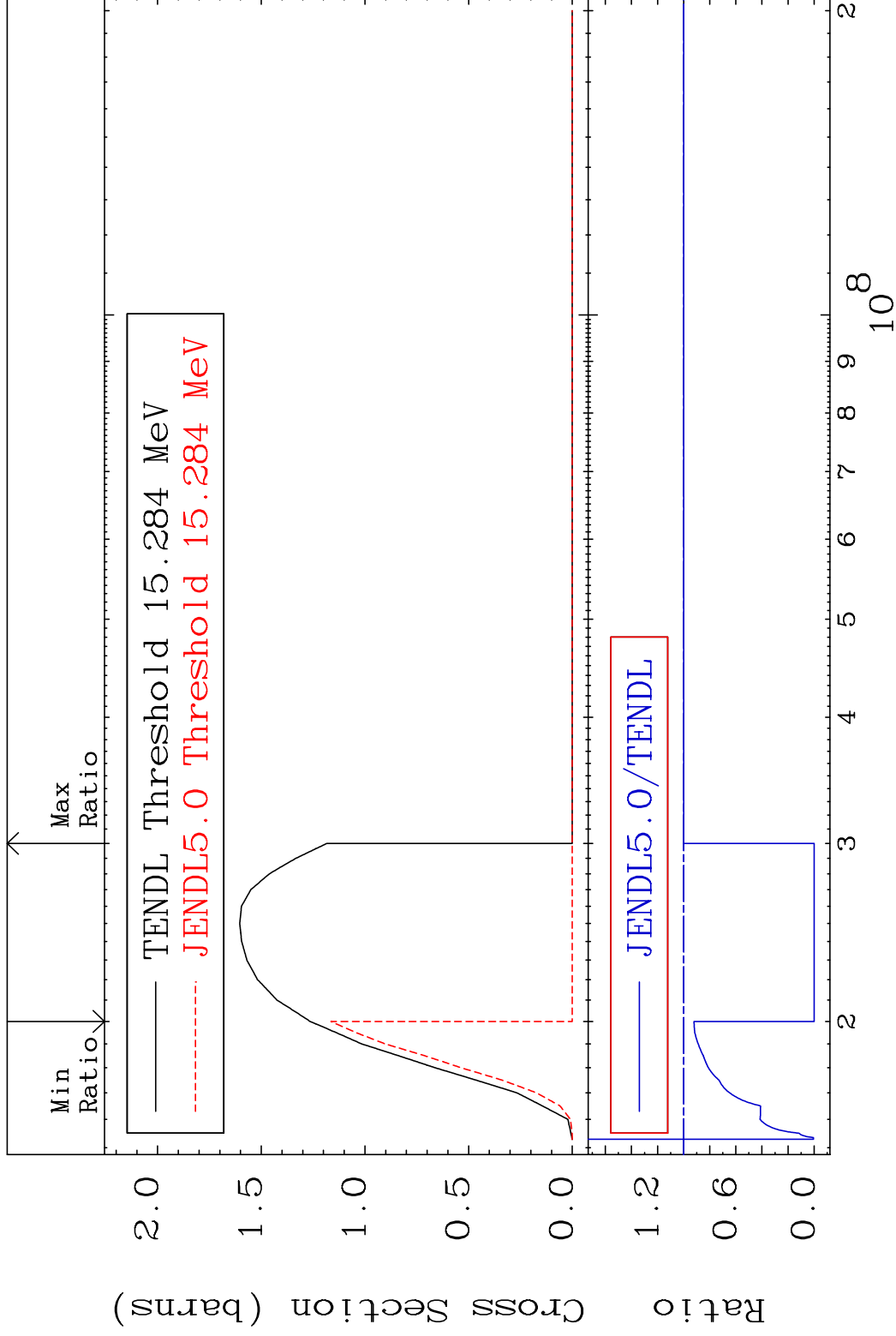
71-Lu-173

MAT 7119

(n,3n)

71-Lu-173

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

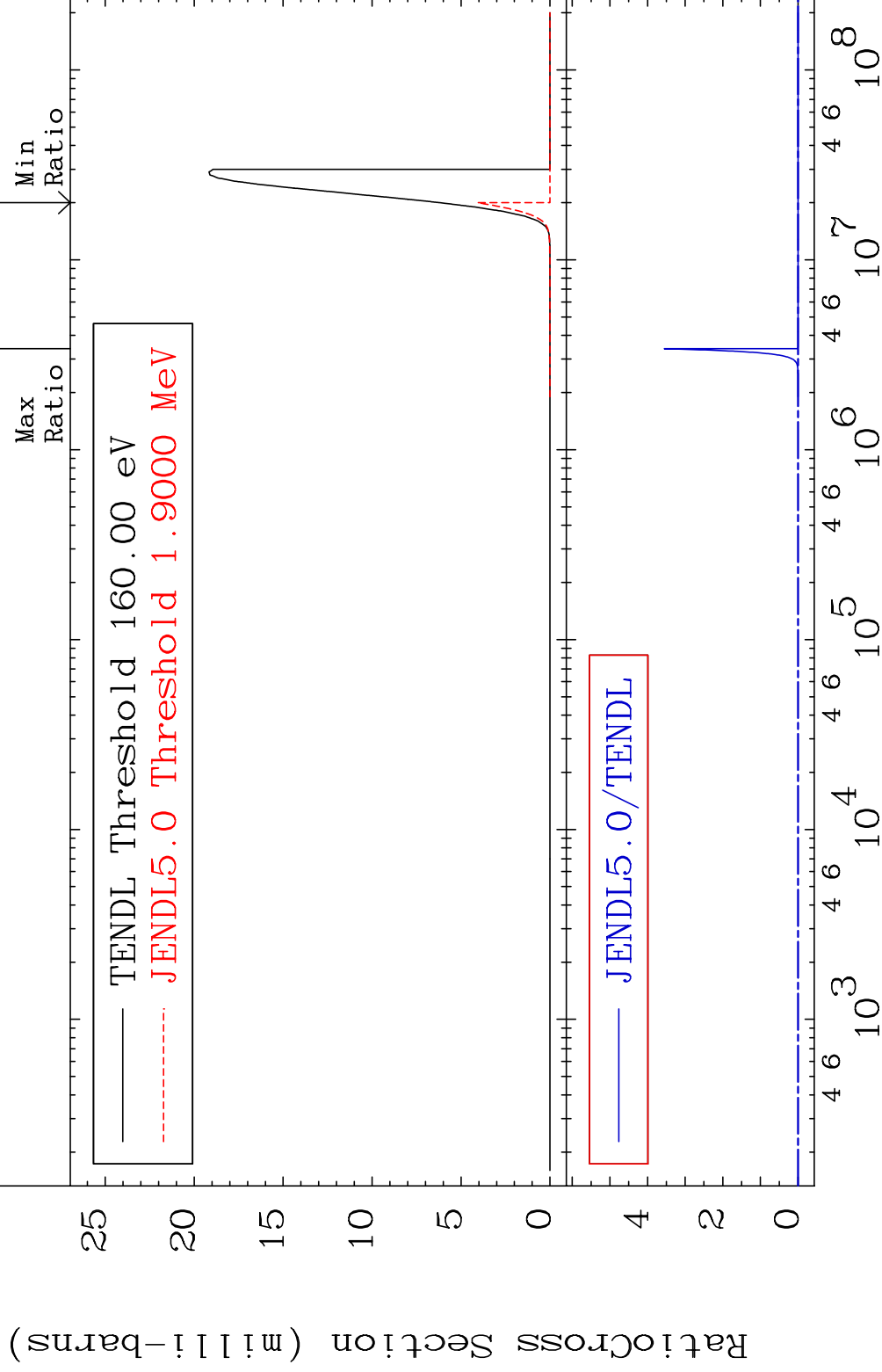
71-Lu-173

MAT 7119

(n, n')  $\alpha$

71-Lu-173

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

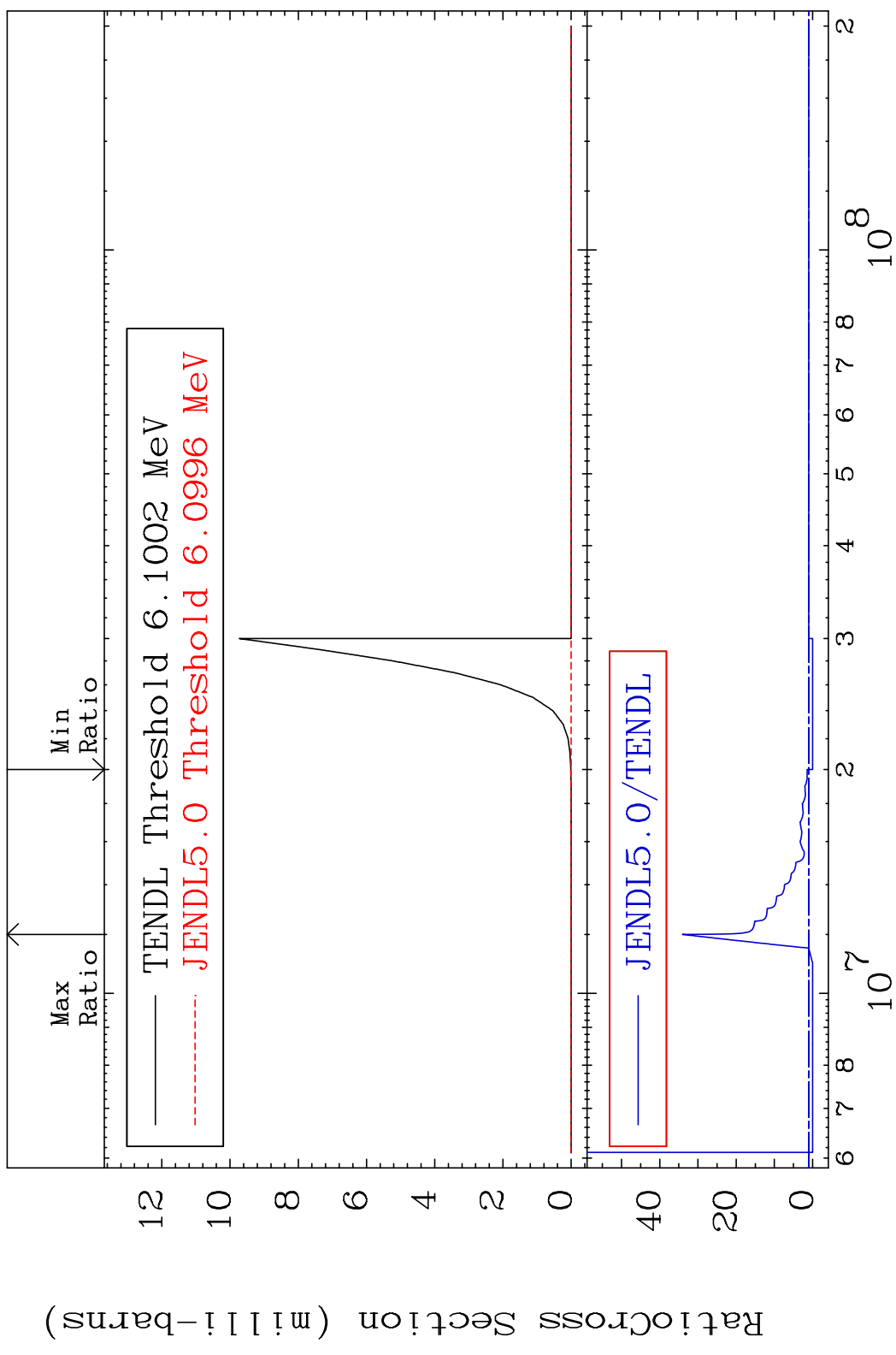
71-Lu-173

MAT 7119

(n,2n)  $\alpha$

71-Lu-173

Cross Section -100.0 To 3308. %



8

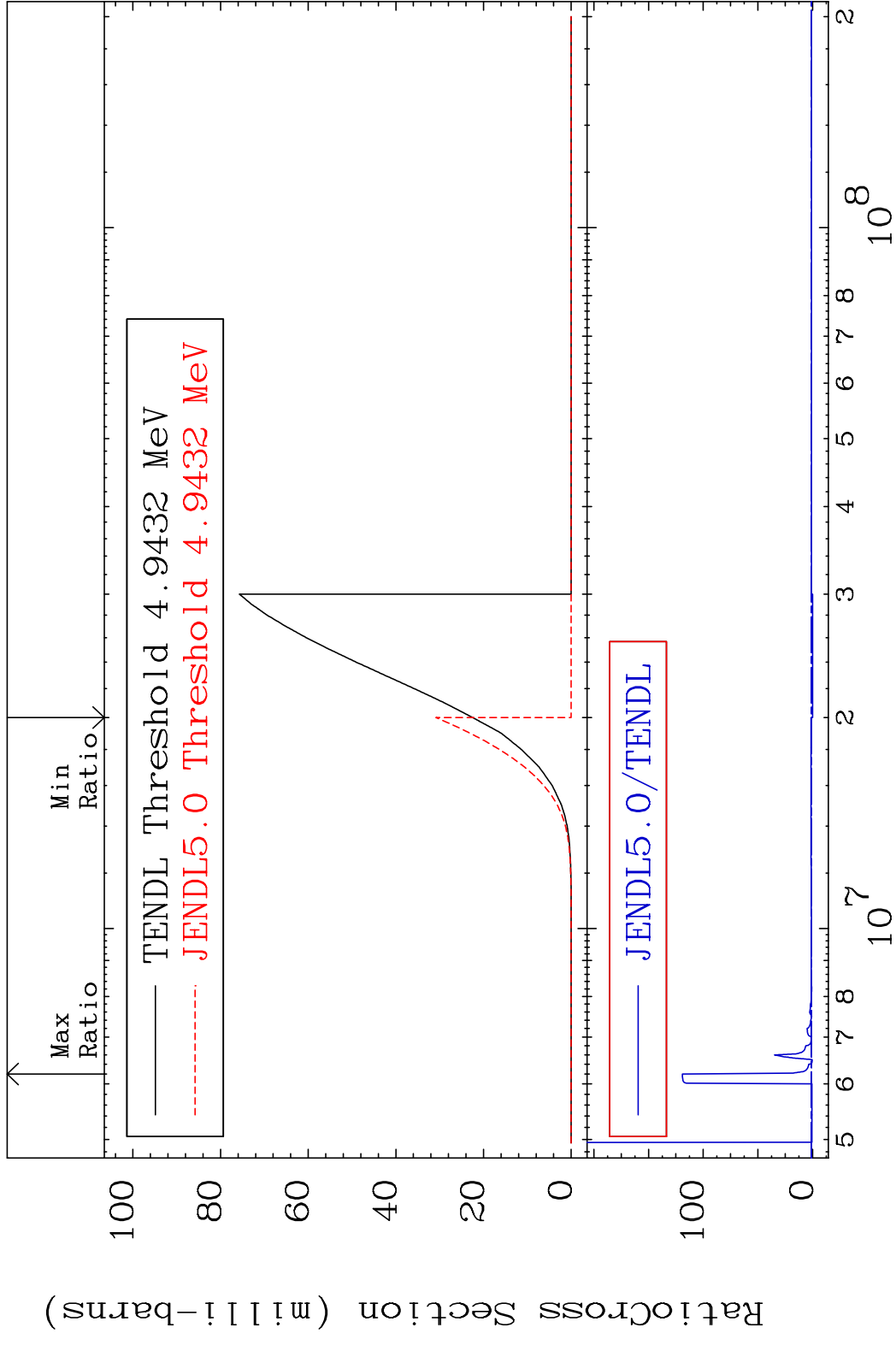
Incident Energy (eV)

71-Lu-173

MAT 7119

(n, n') p 71-Lu-173

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

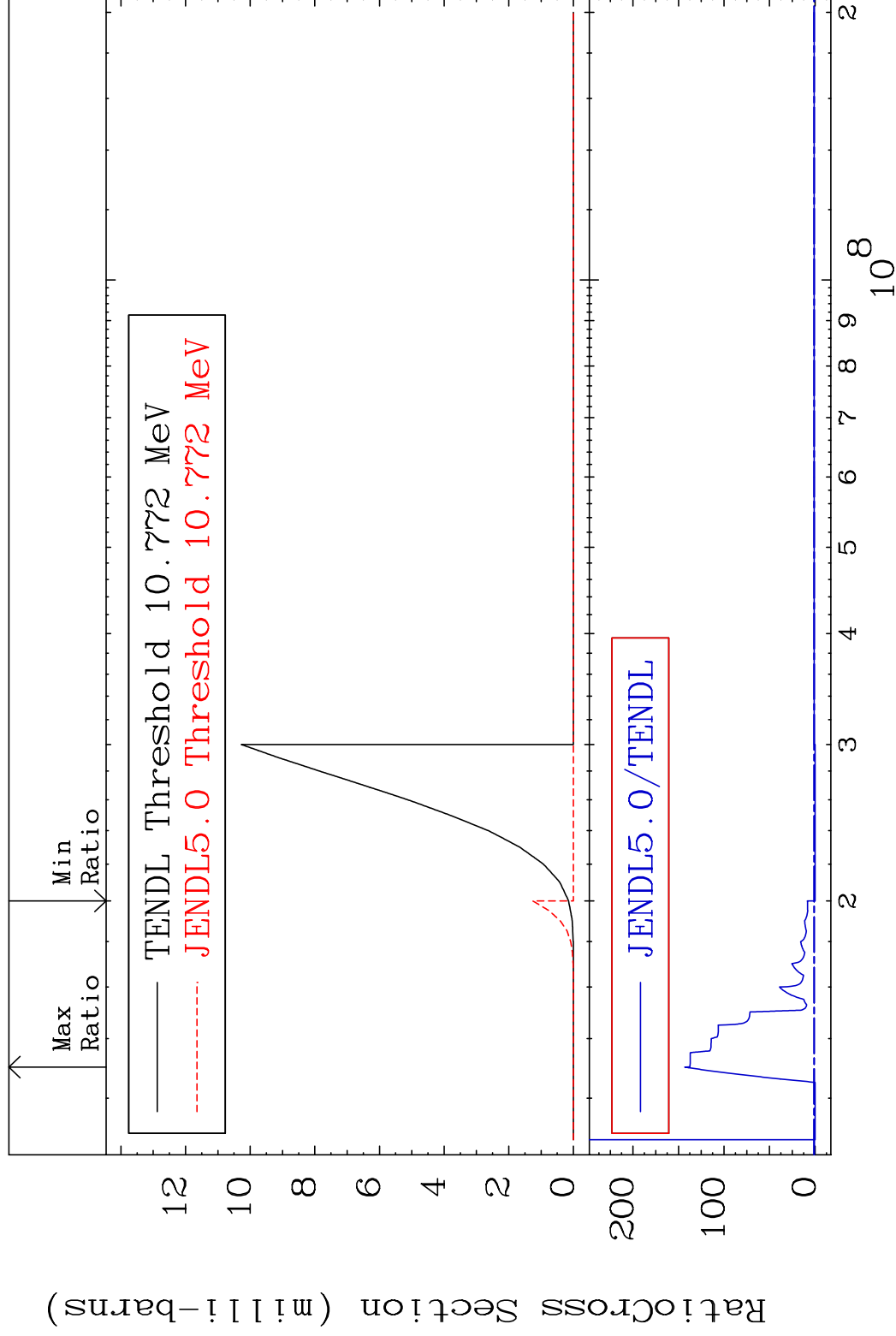
71-Lu-173

MAT 7119

(n, n') d

71-Lu-173

Cross Section -100.0 To 9999. %

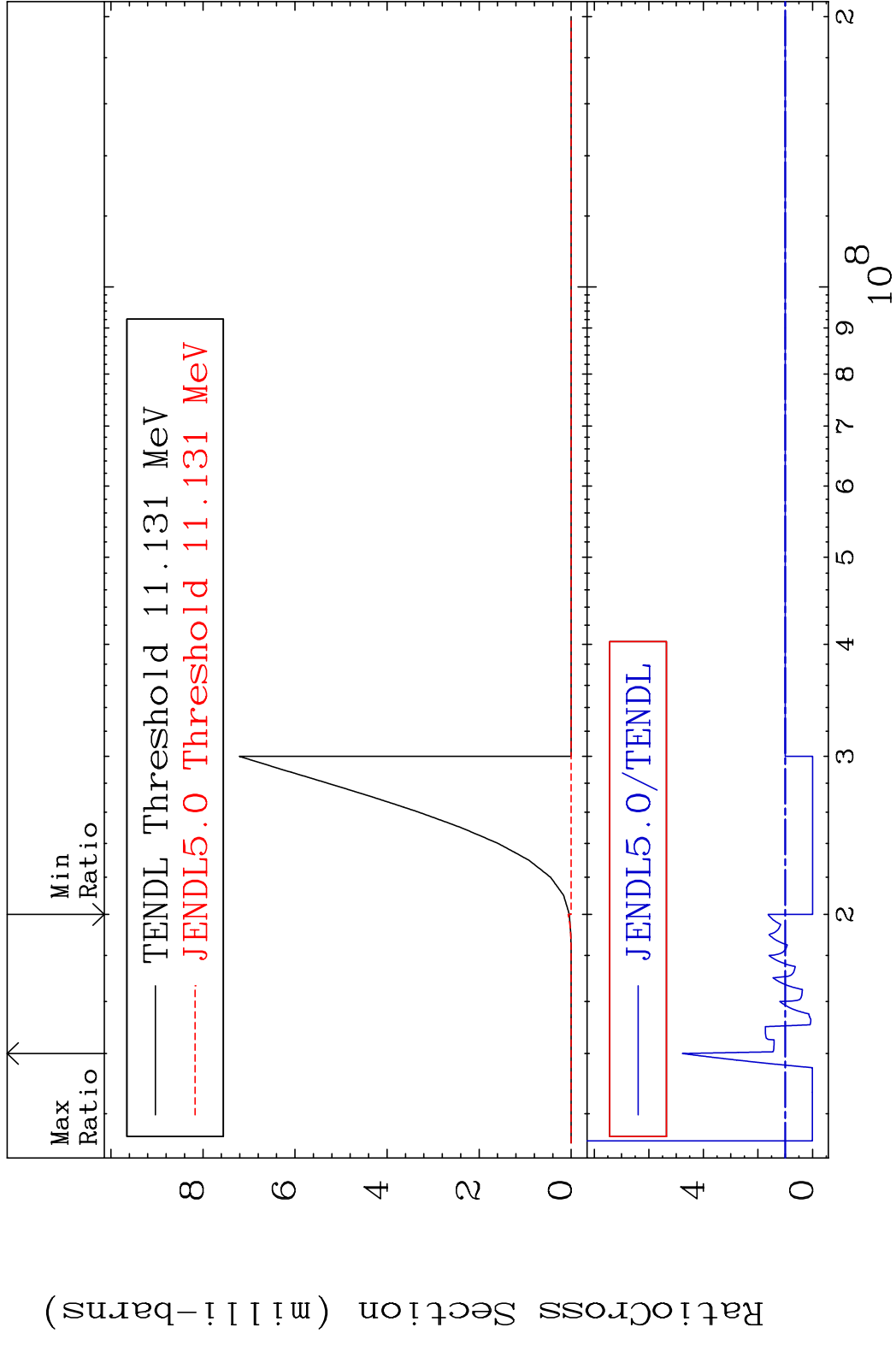


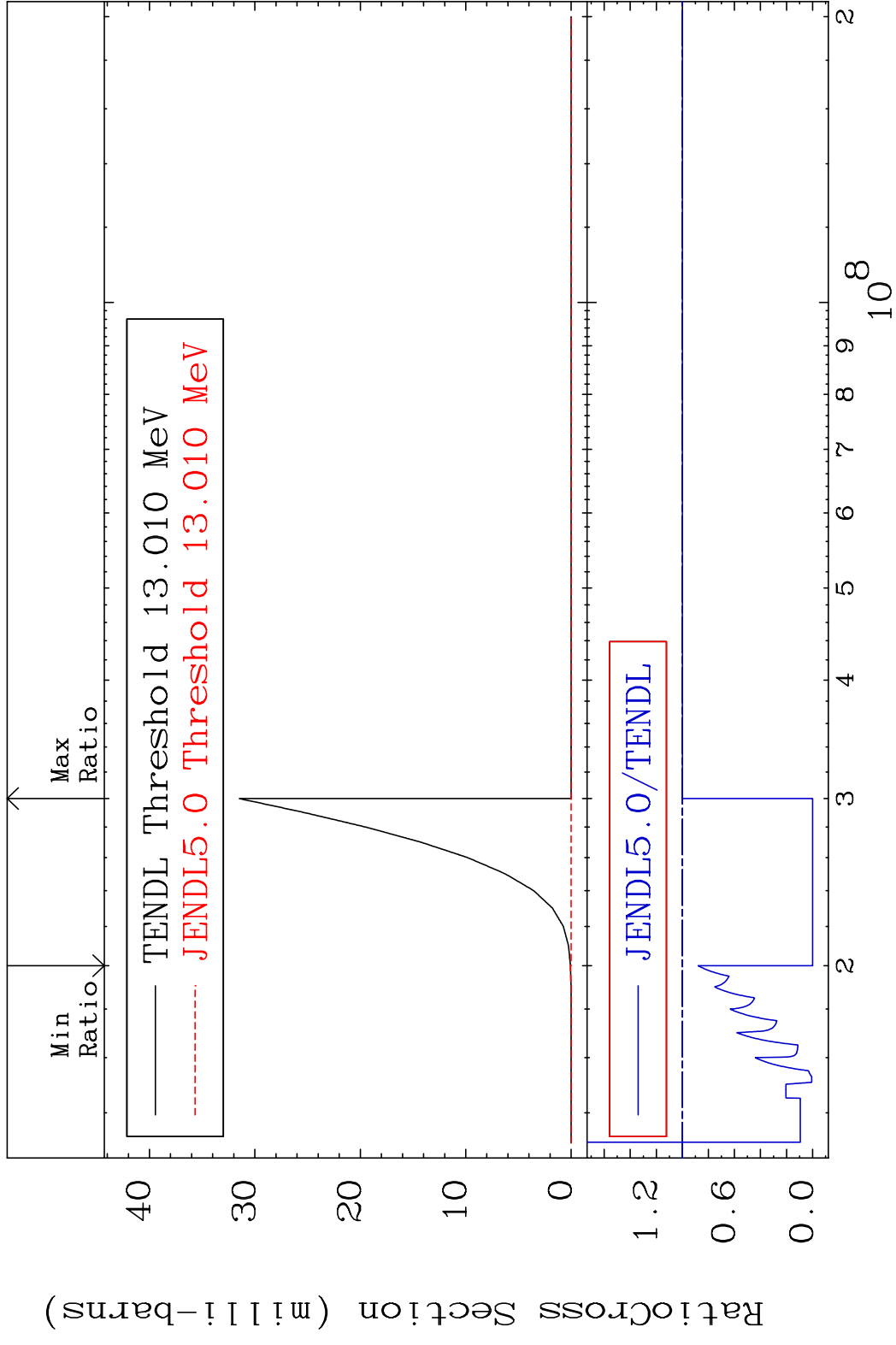
10

Incident Energy (eV)

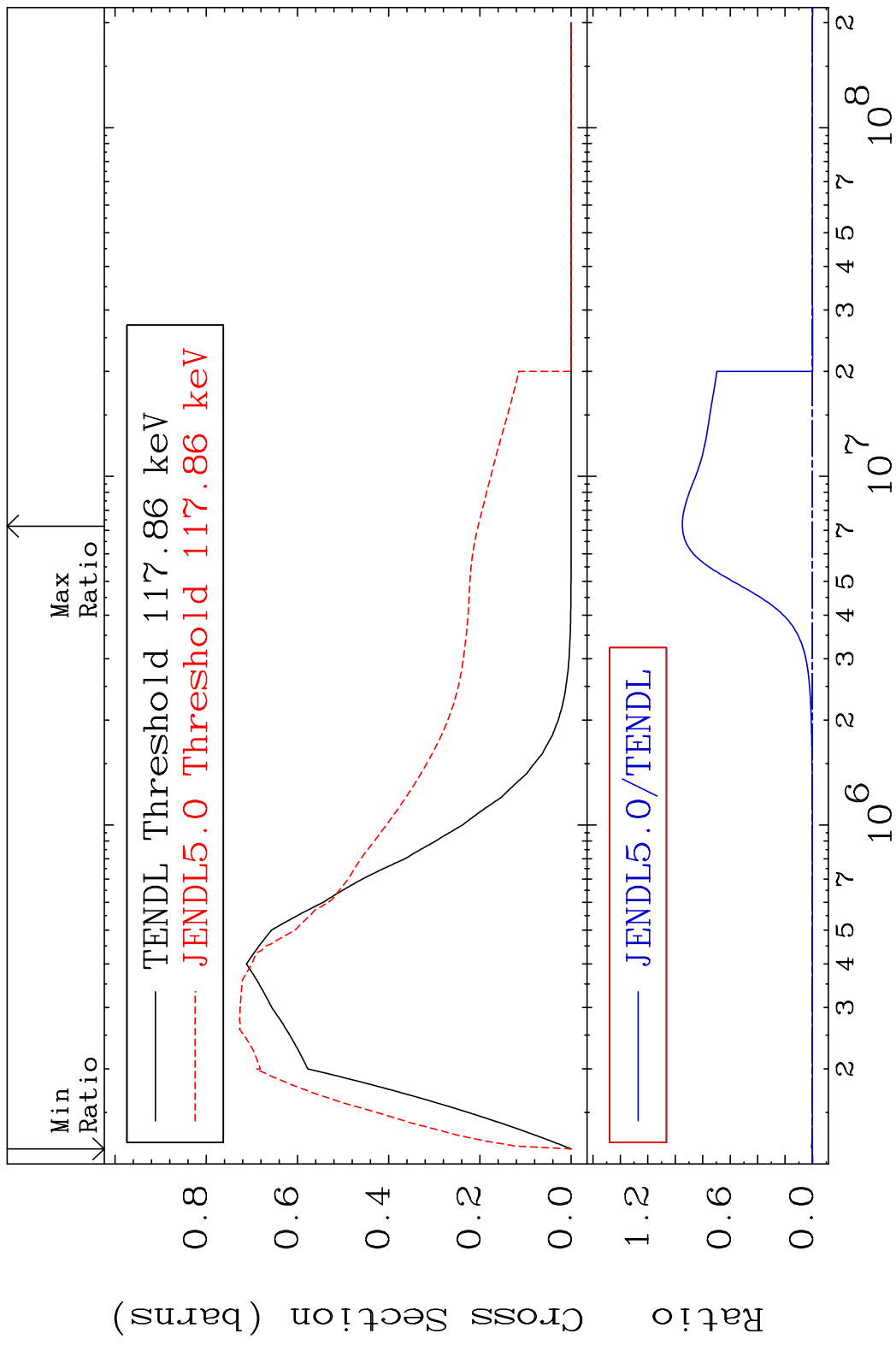
71-Lu-173

MAT 7119 (n, n') t 71-Lu-173  
 Cross Section -100.0 To 377.2 %

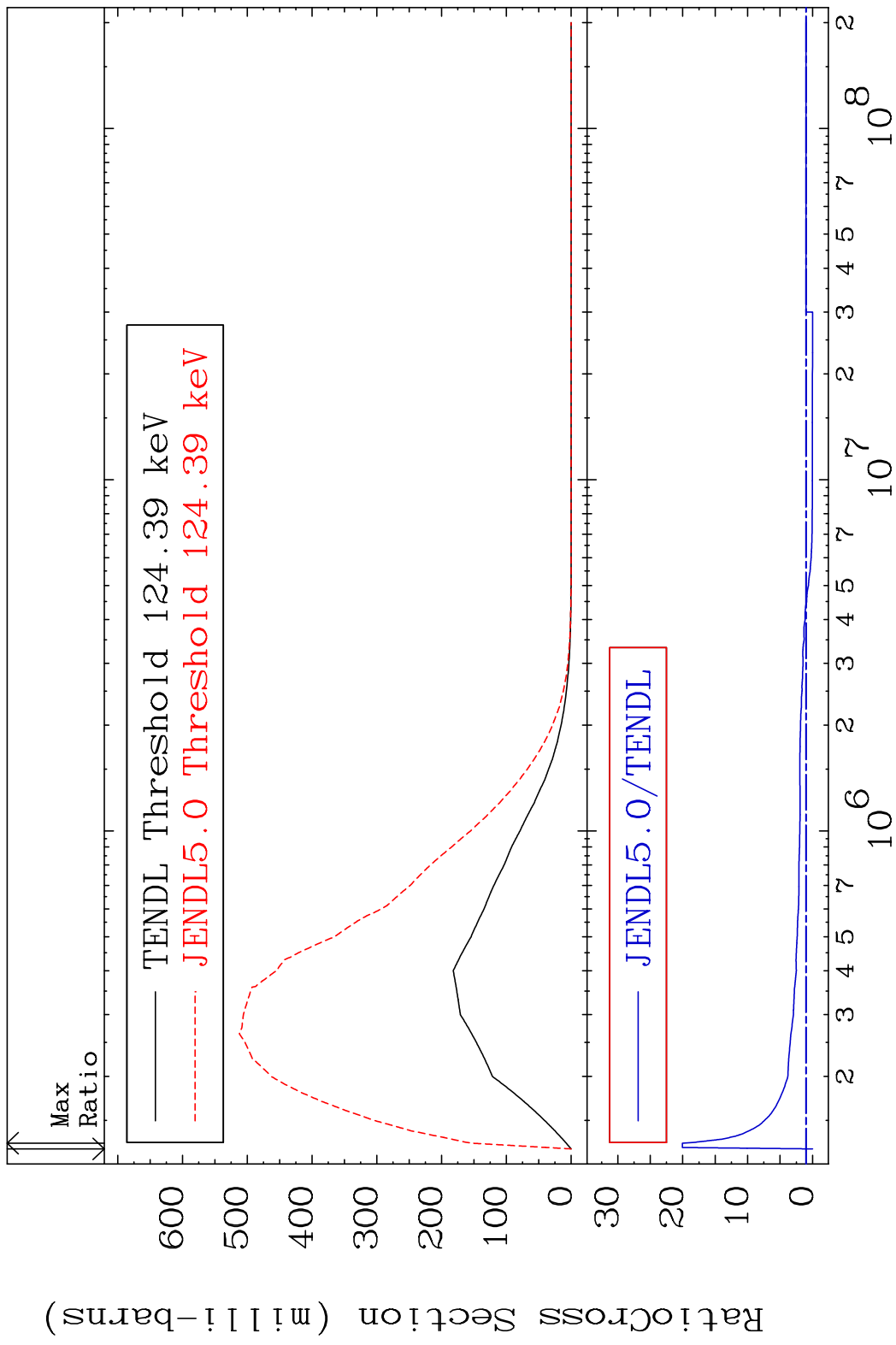




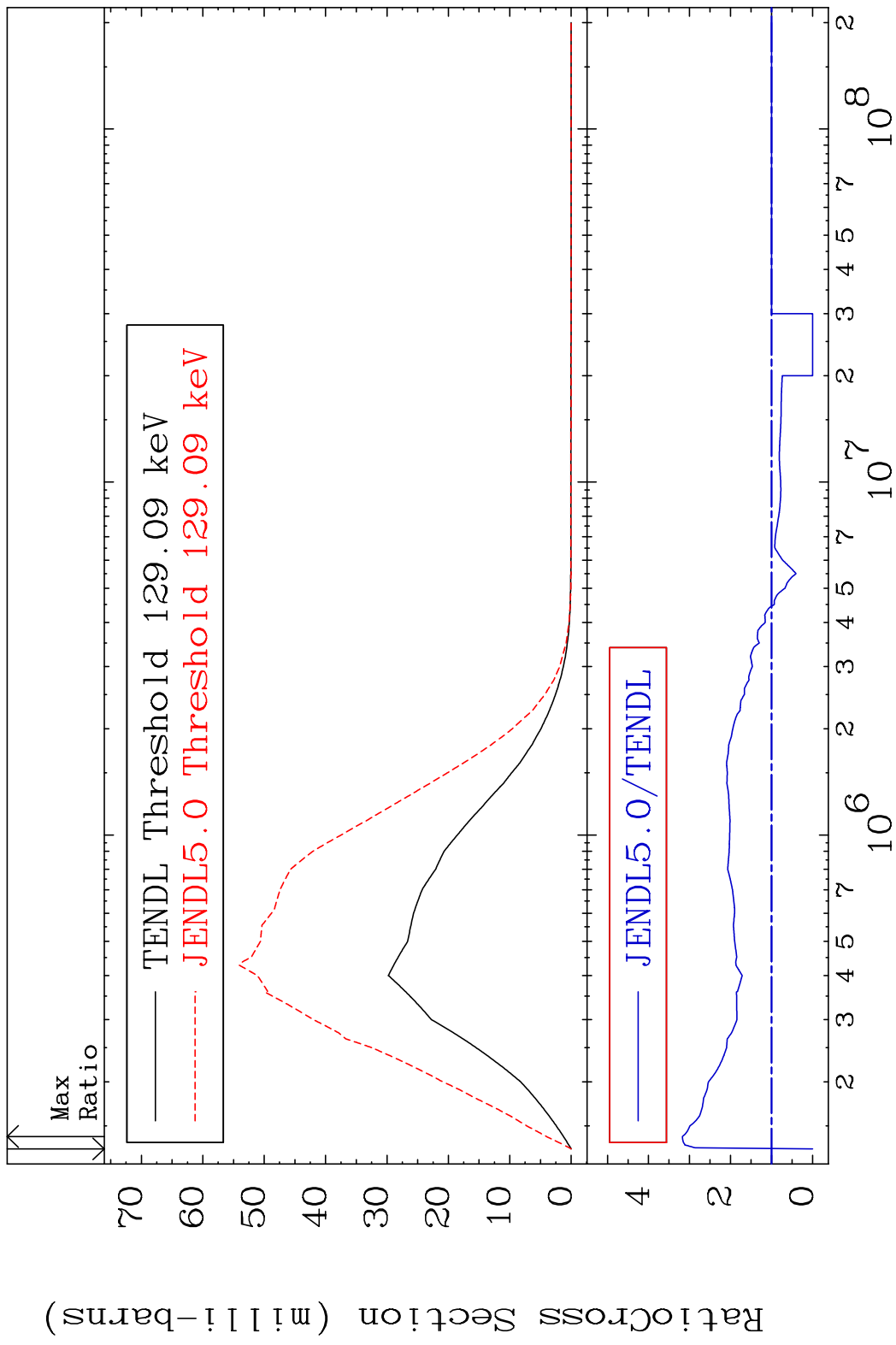
MAT 7119 MT= 51 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 9999. %



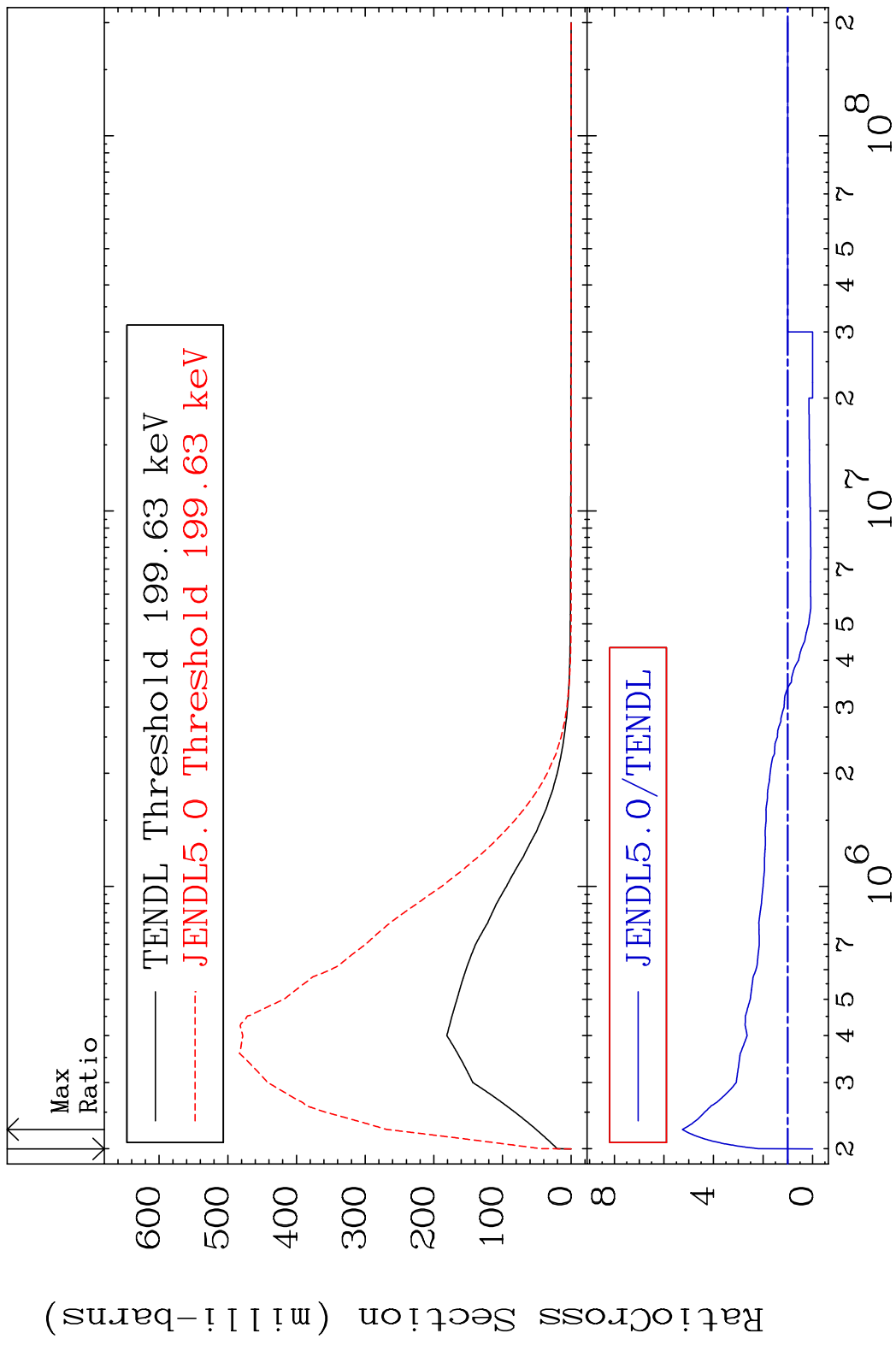
MAT 7119      MT= 52 (n, n') Level      71-Lu-173  
 Cross Section    -100.0 To 1906. %



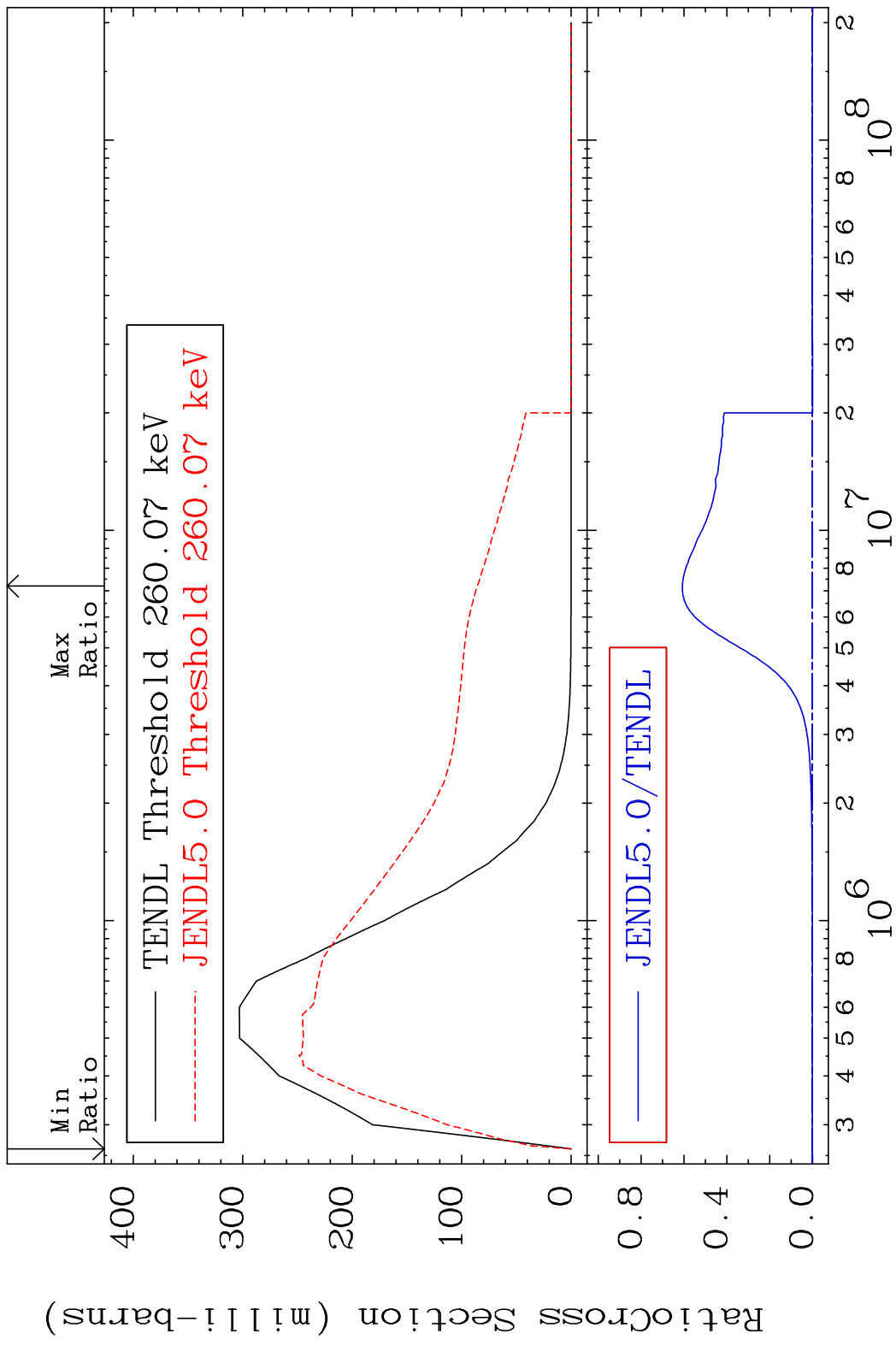
MAT 7119 MT= 53 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 217.5 %



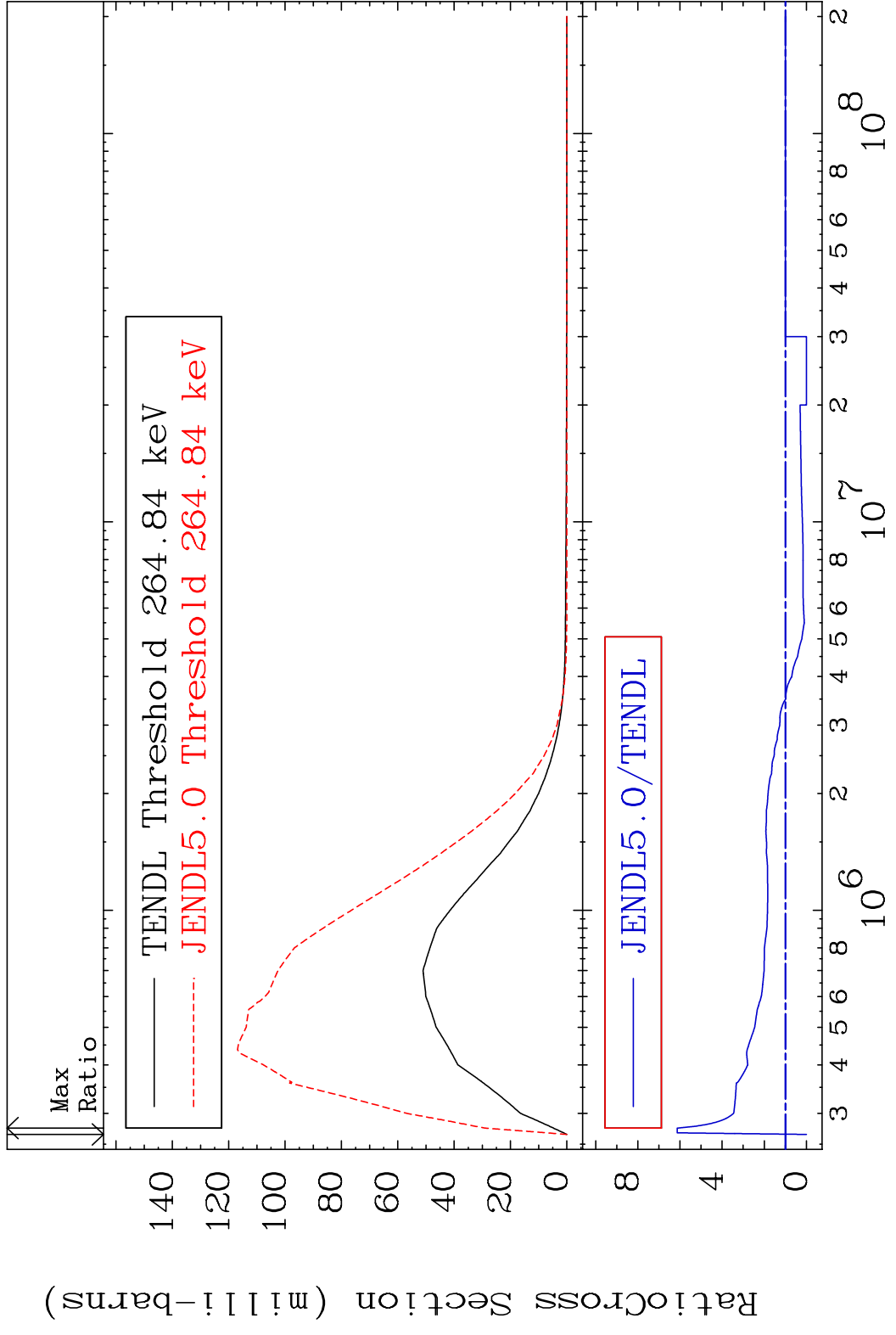
MAT 7119 MT= 54 (n,n') Level 71-Lu-173  
 Cross Section -100.0 To 425.8 %



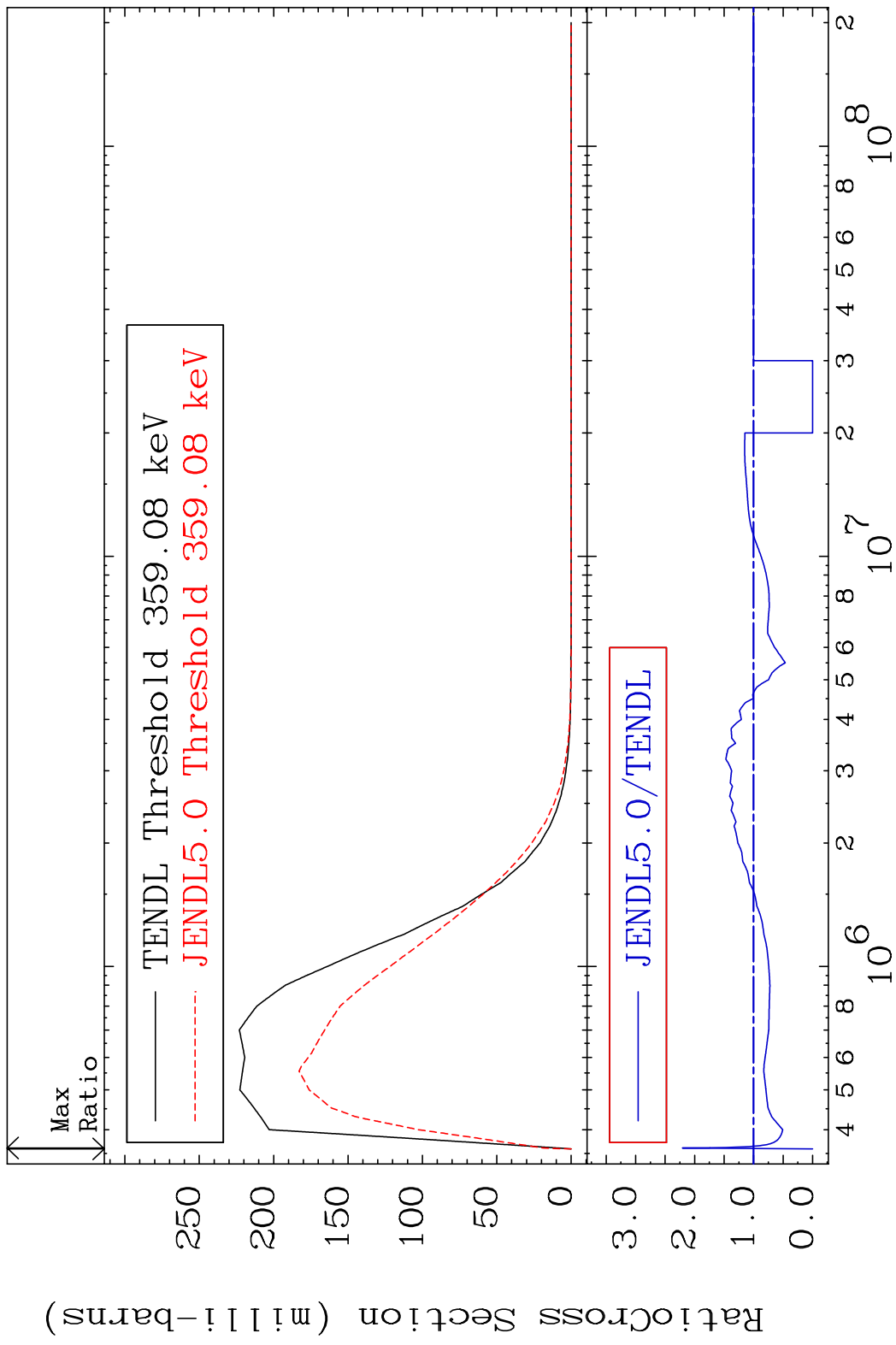
MAT 7119 MT= 55 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 9999. %



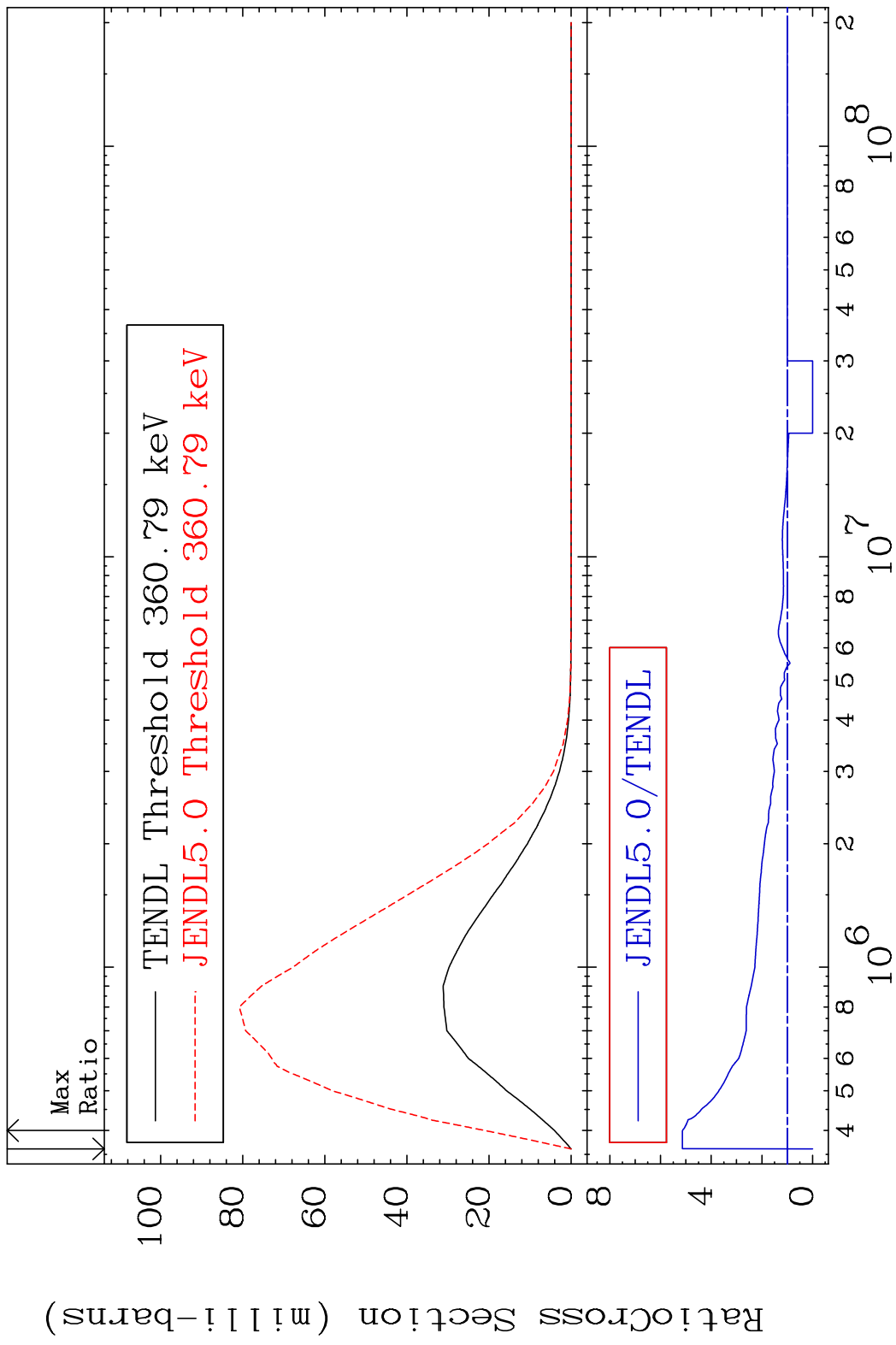
MAT 7119 MT= 56 (n,n') Level 71-Lu-173  
 Cross Section -100.0 To 513.3 %



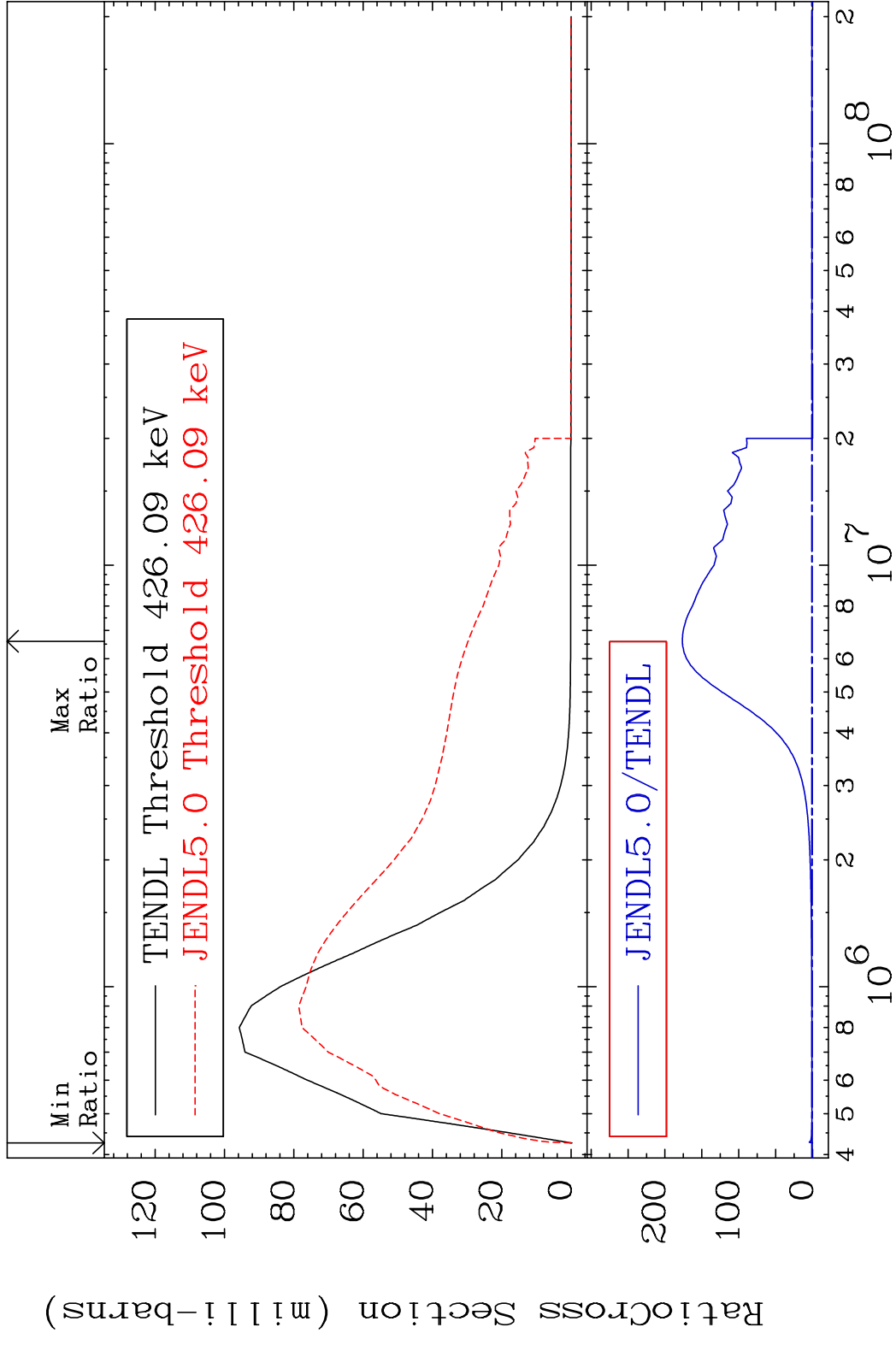
MAT 7119 MT= 57 (n,n') Level 71-Lu-173  
 Cross Section -100.0 To 120.8 %



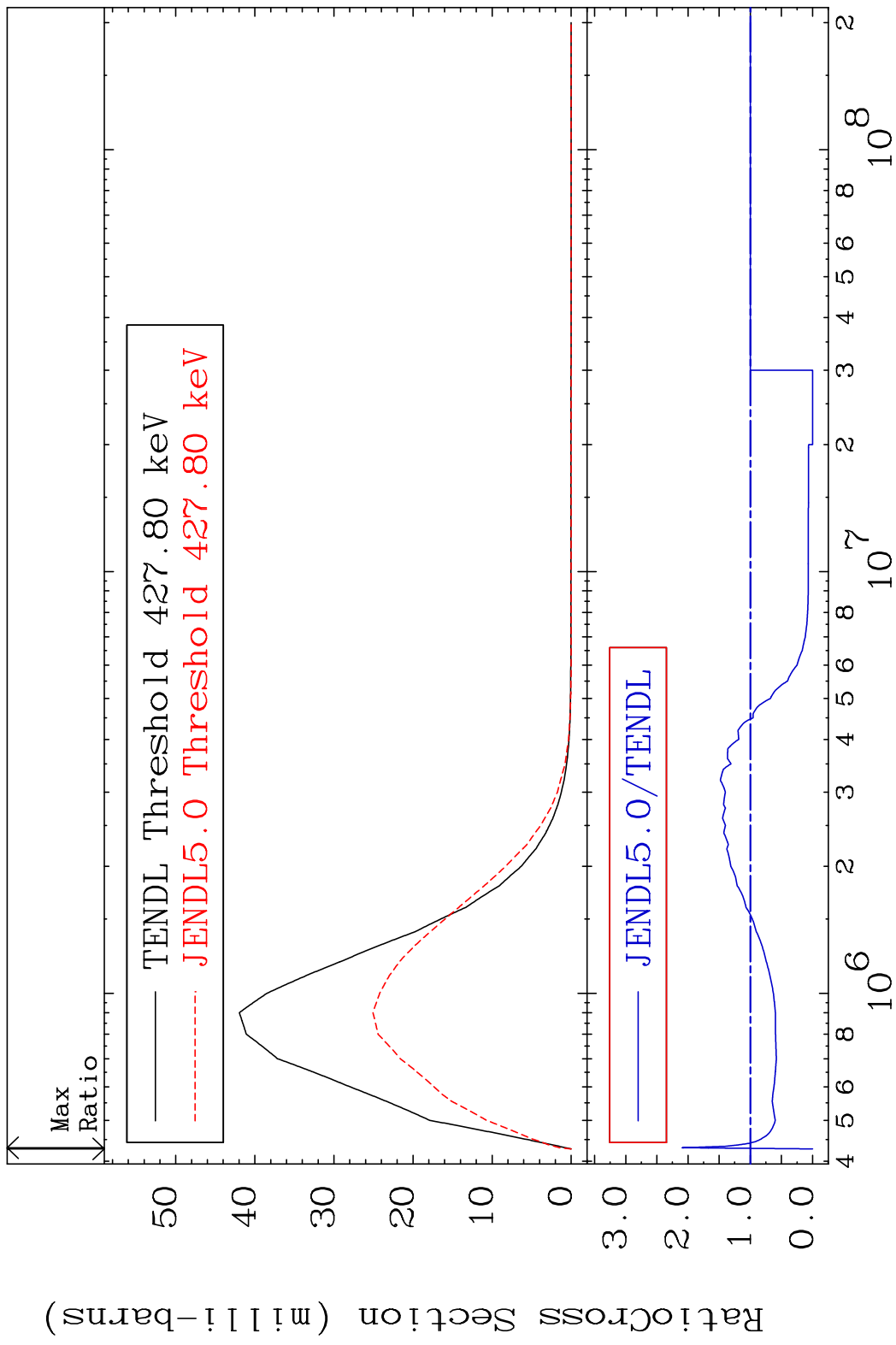
MAT 7119 MT= 58 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 413.8 %



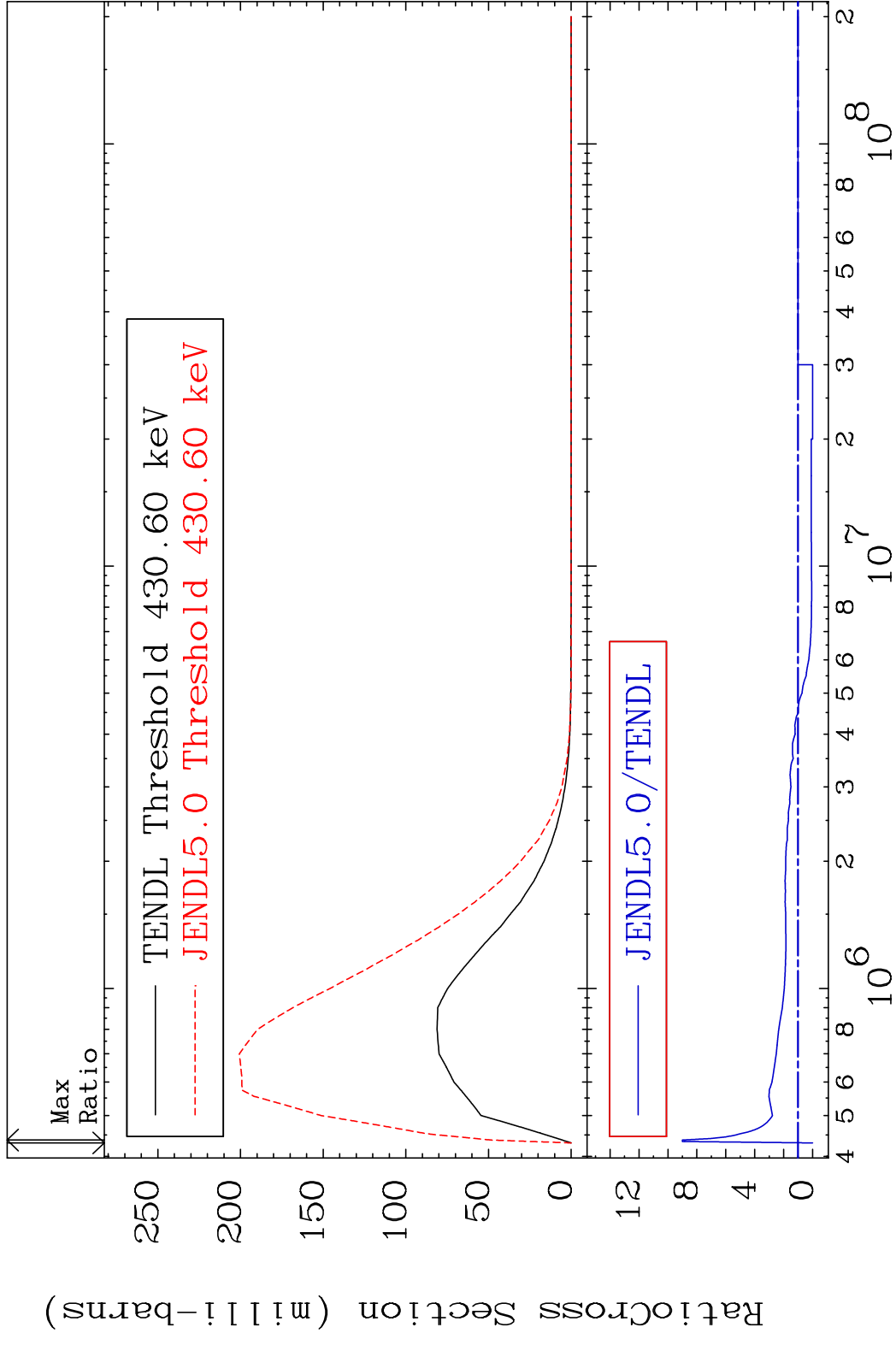
MAT 7119 MT= 59 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 9999. %



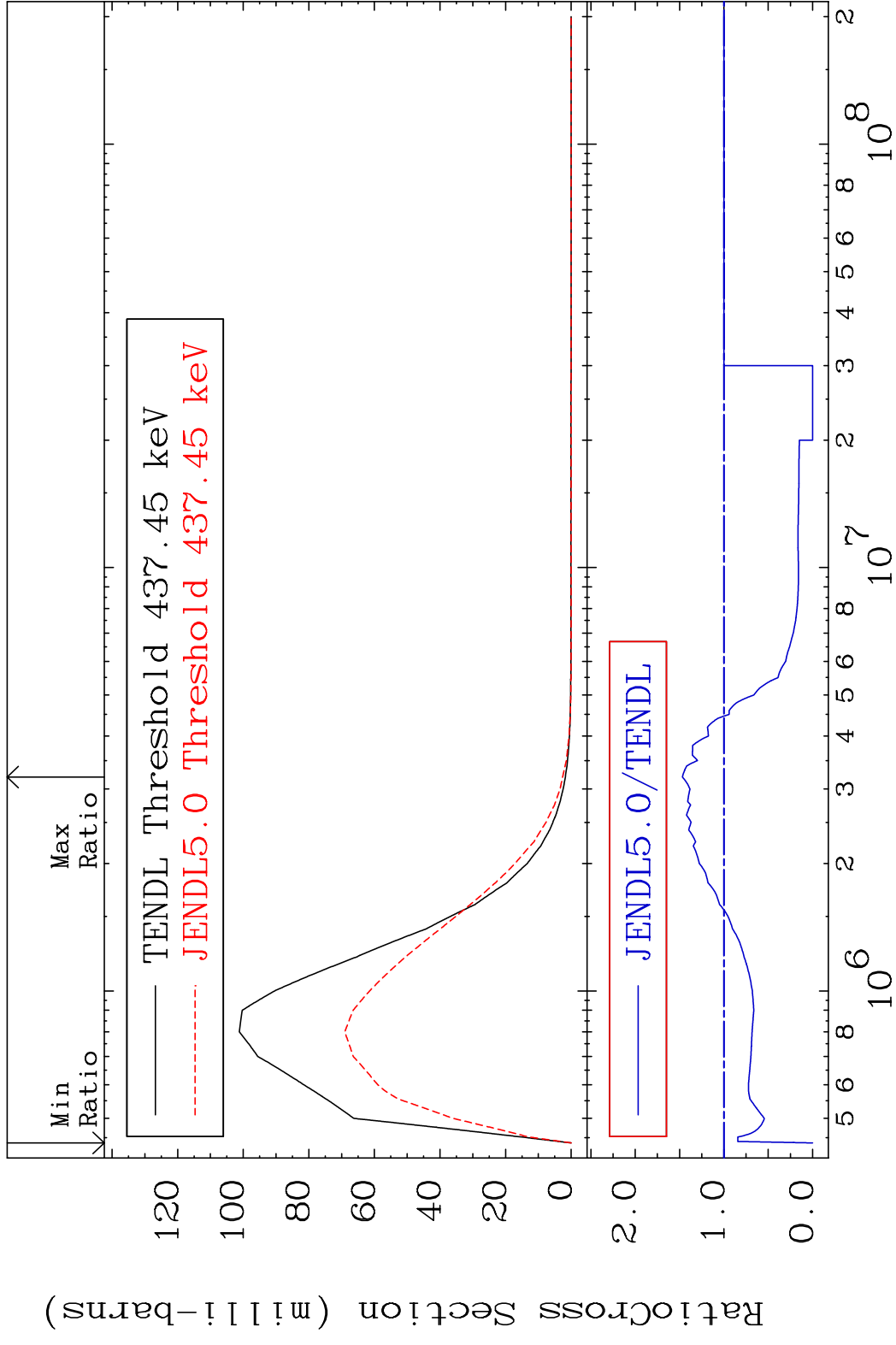
MAT 7119 MT= 60 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 109.1 %



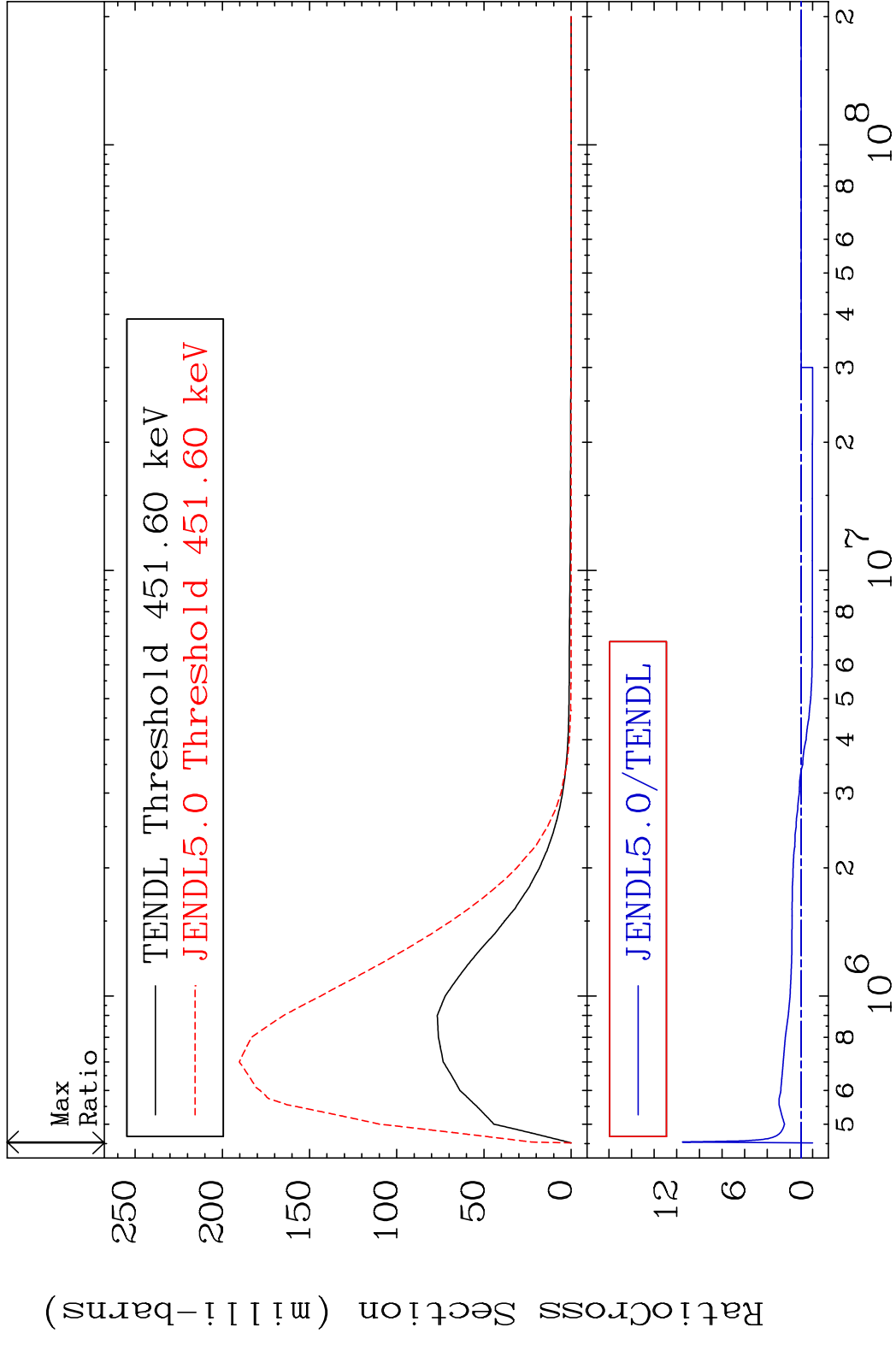
MAT 7119 MT= 61 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 800.2 %



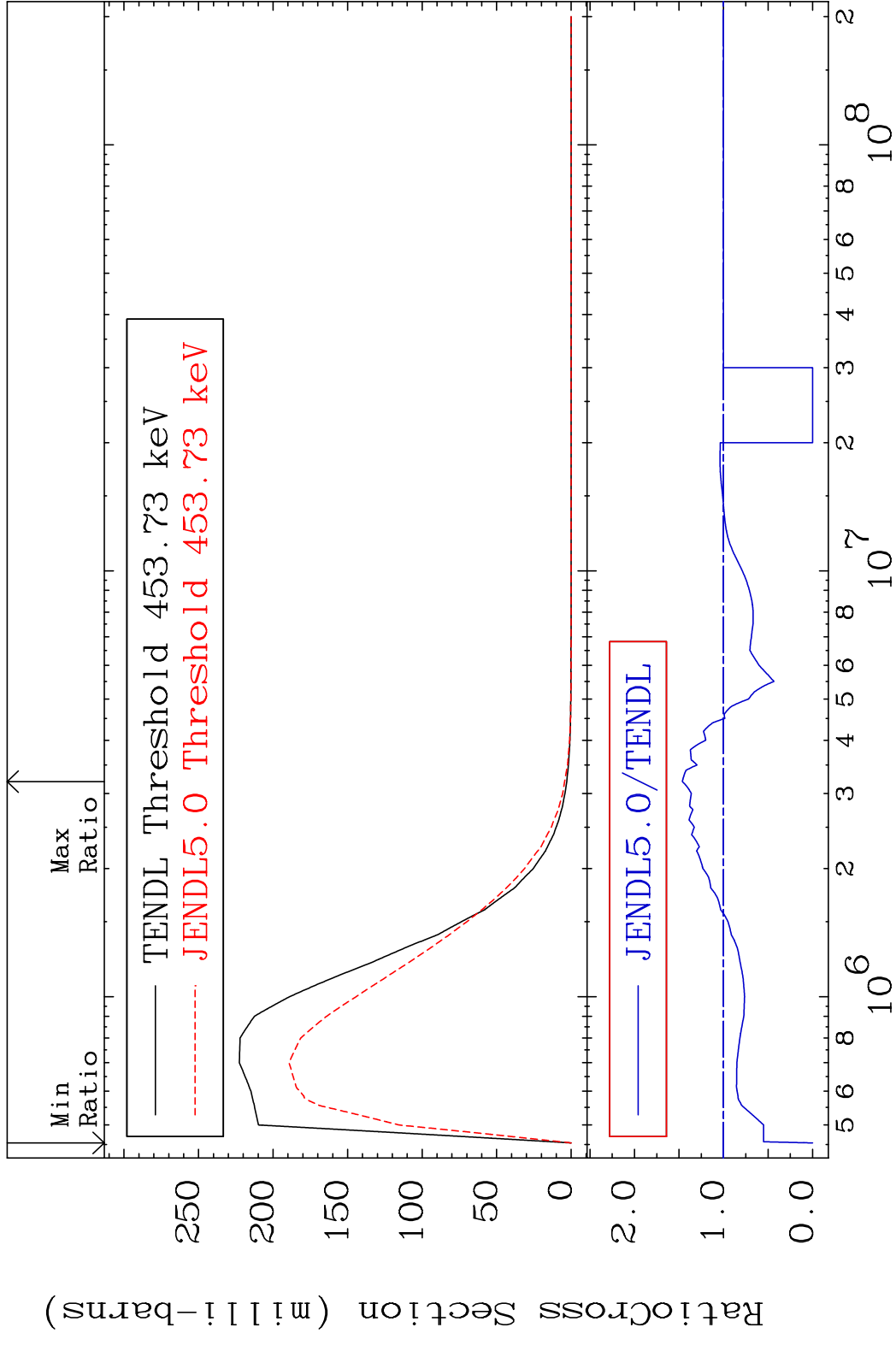
MAT 7119 MT= 62 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 46.85 %



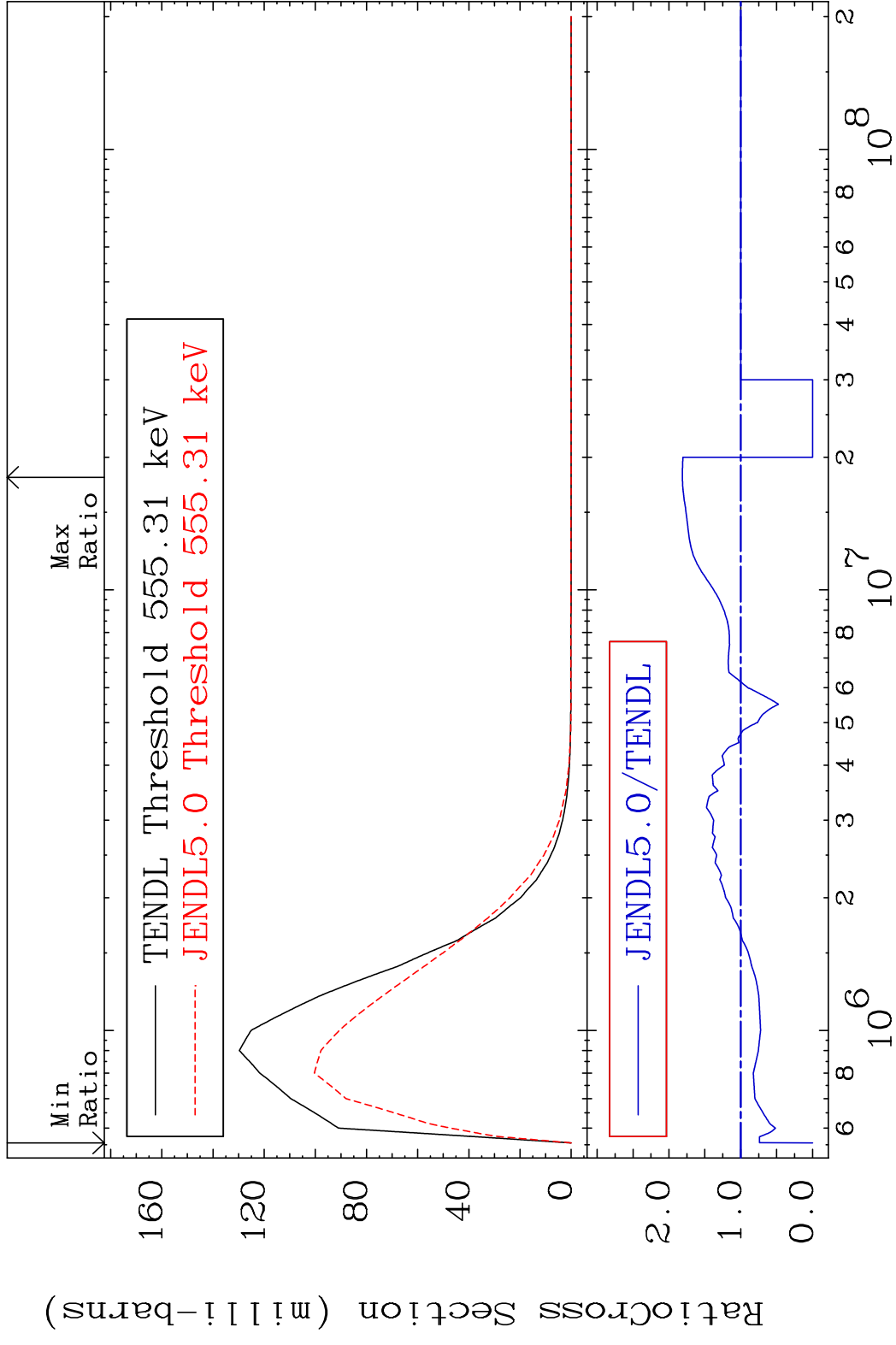
MAT 7119 MT= 63 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 1051. %



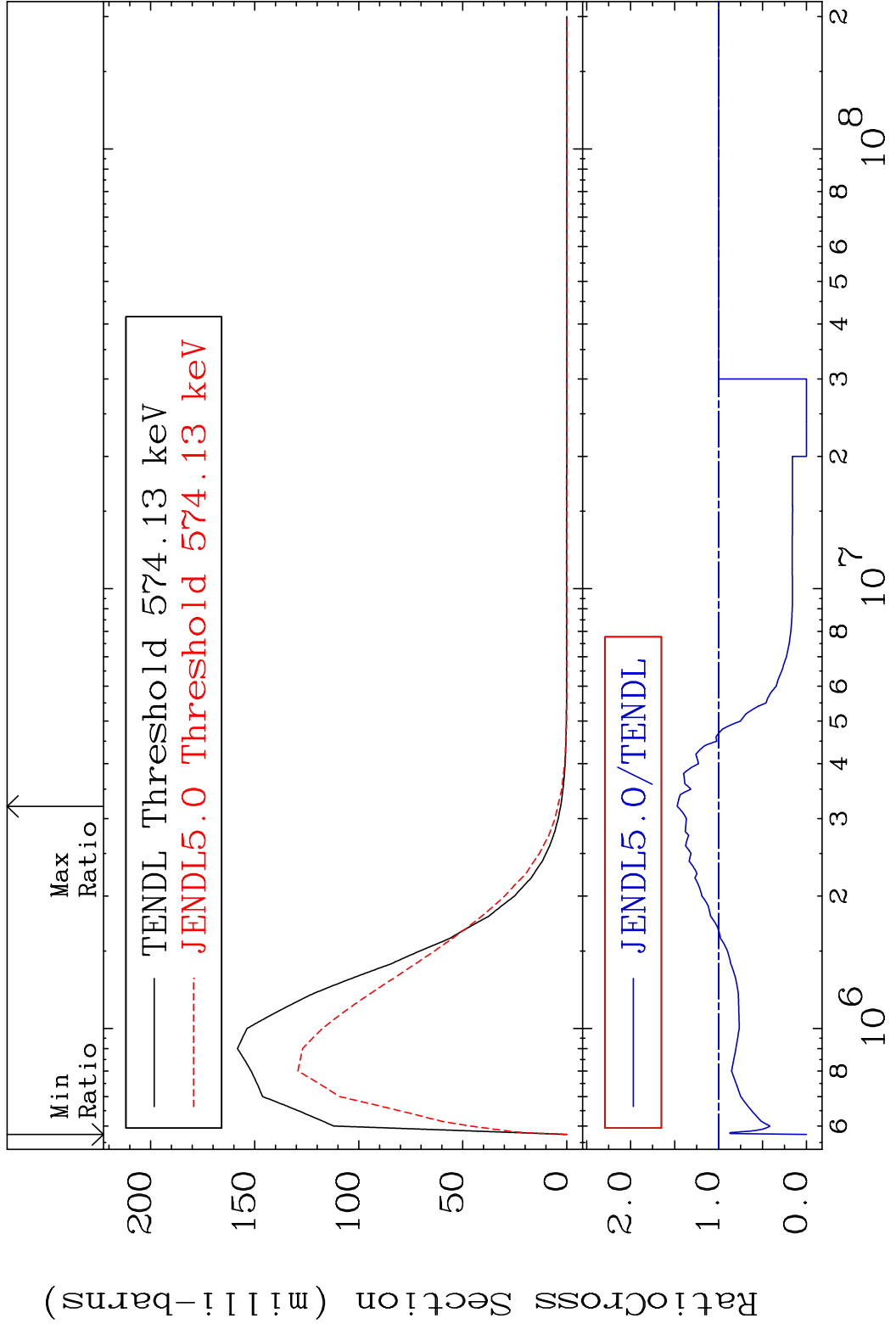
MAT 7119 MT= 64 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 46.26 %



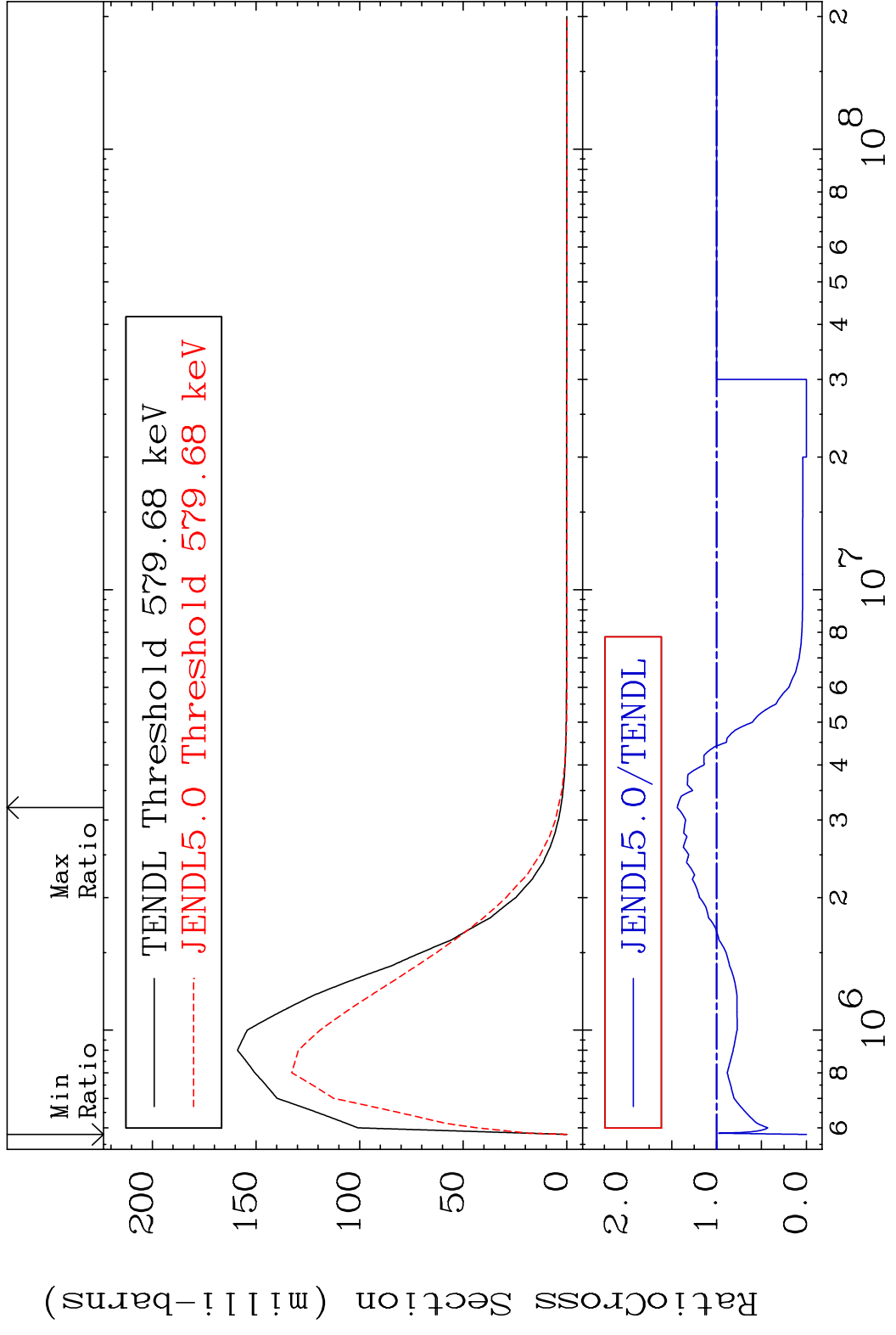
MAT 7119 MT= 65 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 81.33 %



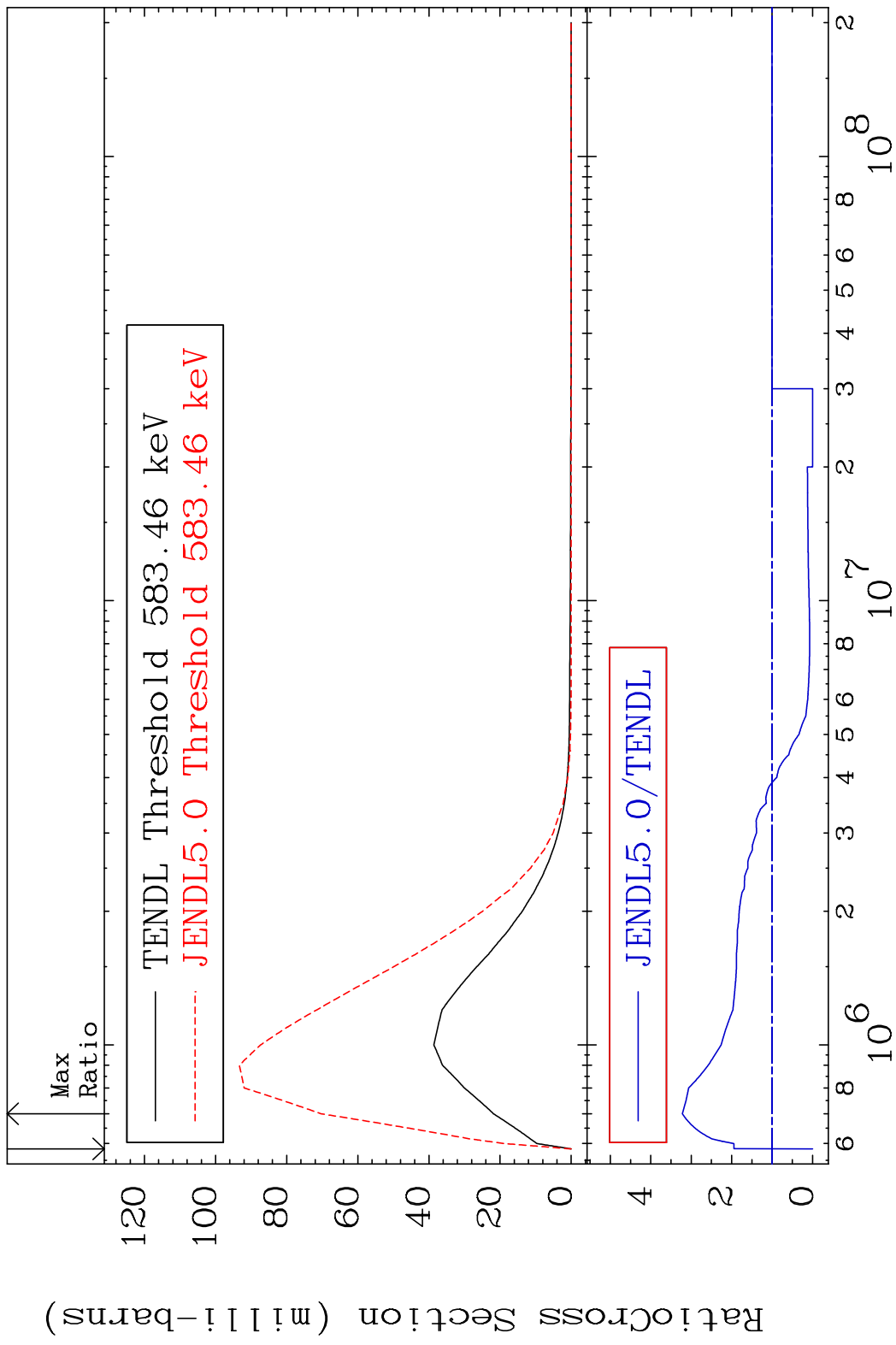
MAT 7119 MT= 66 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 47.08 %



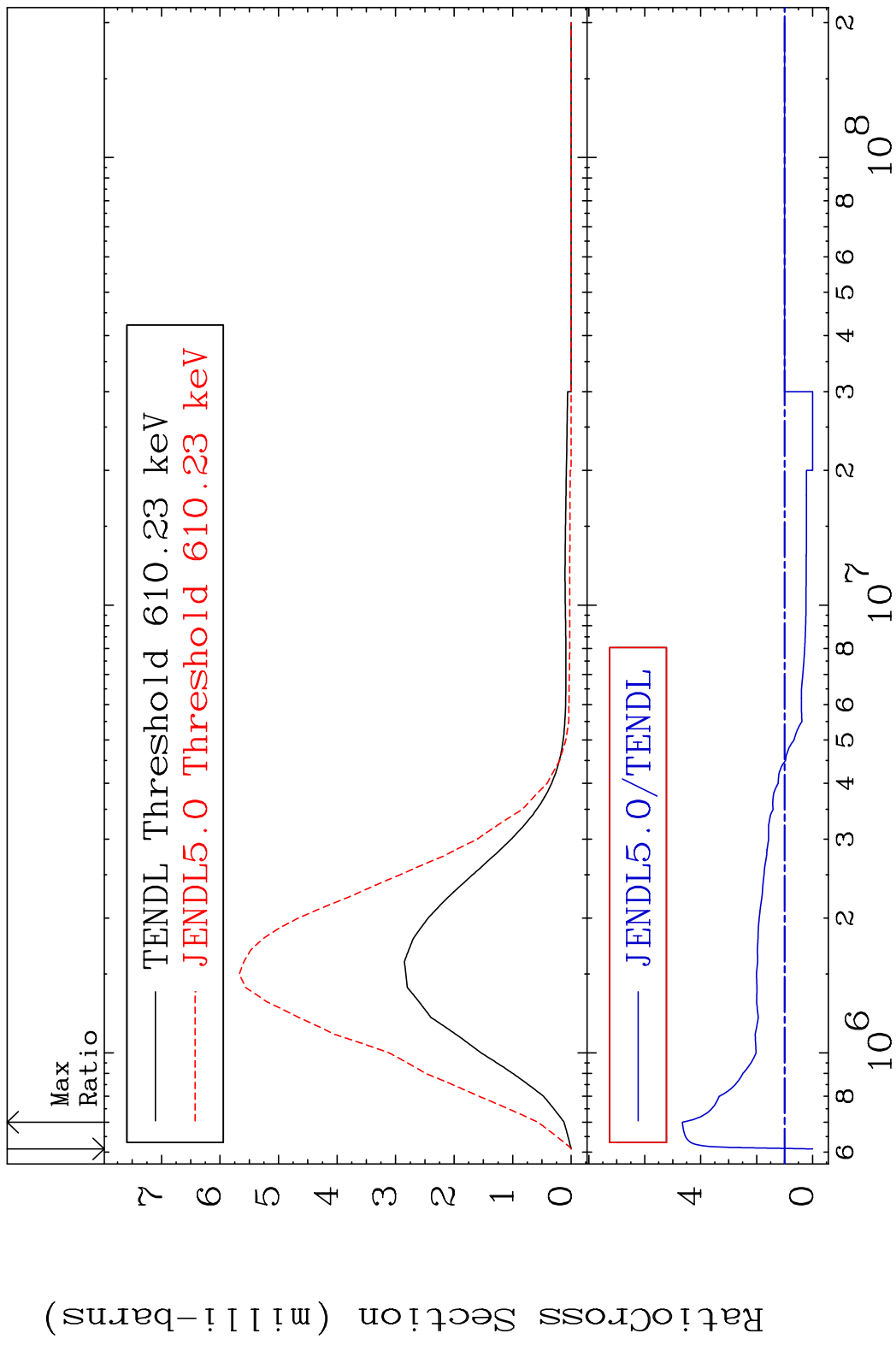
MAT 7119 MT= 67 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 43.90 %



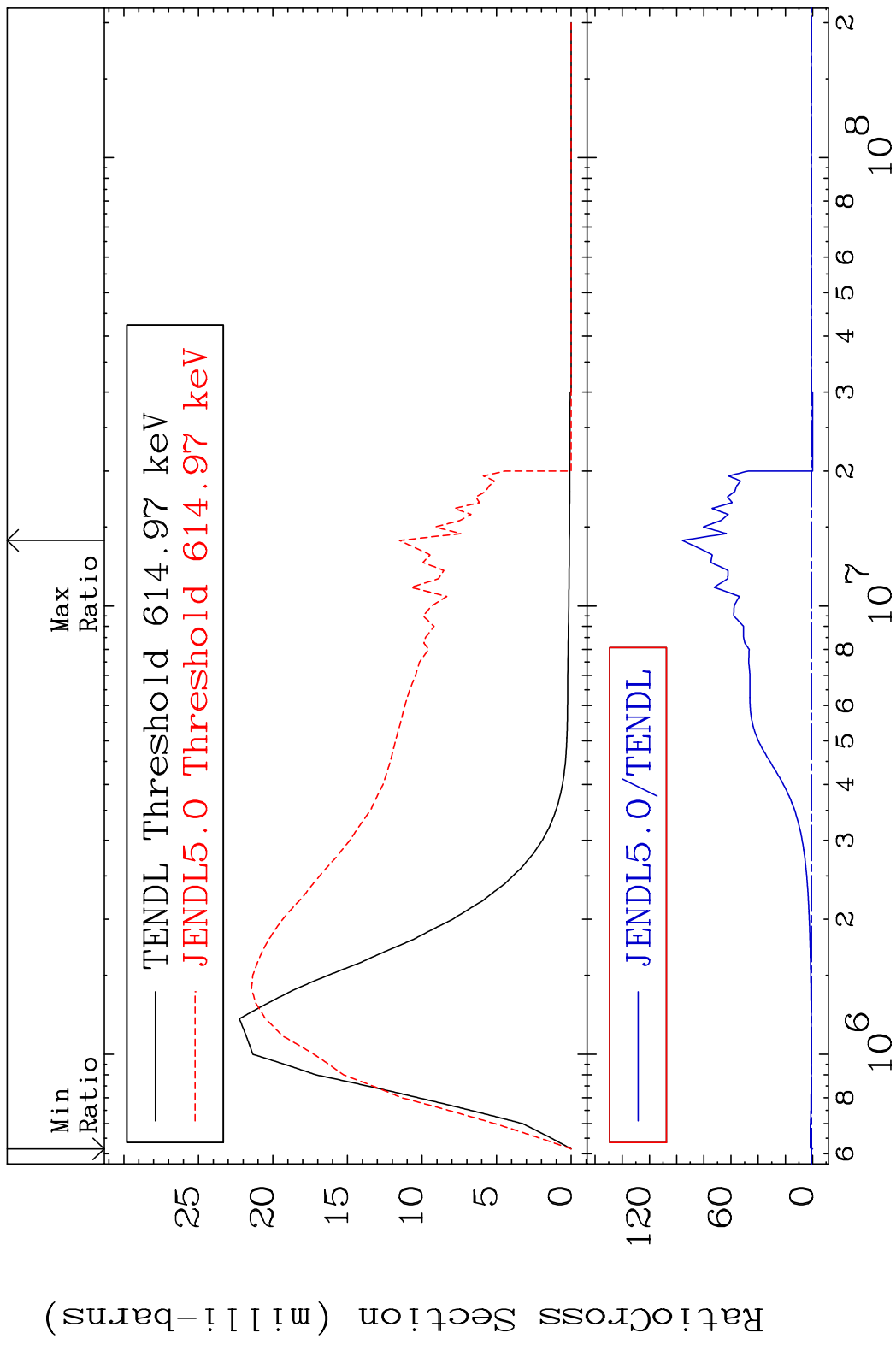
MAT 7119 MT= 68 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 221.9 %



MAT 7119 MT= 69 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 365.6 %



MAT 7119 MT= 70 (n, n') Level 71-Lu-173  
 Cross Section -100.0 To 9479. %

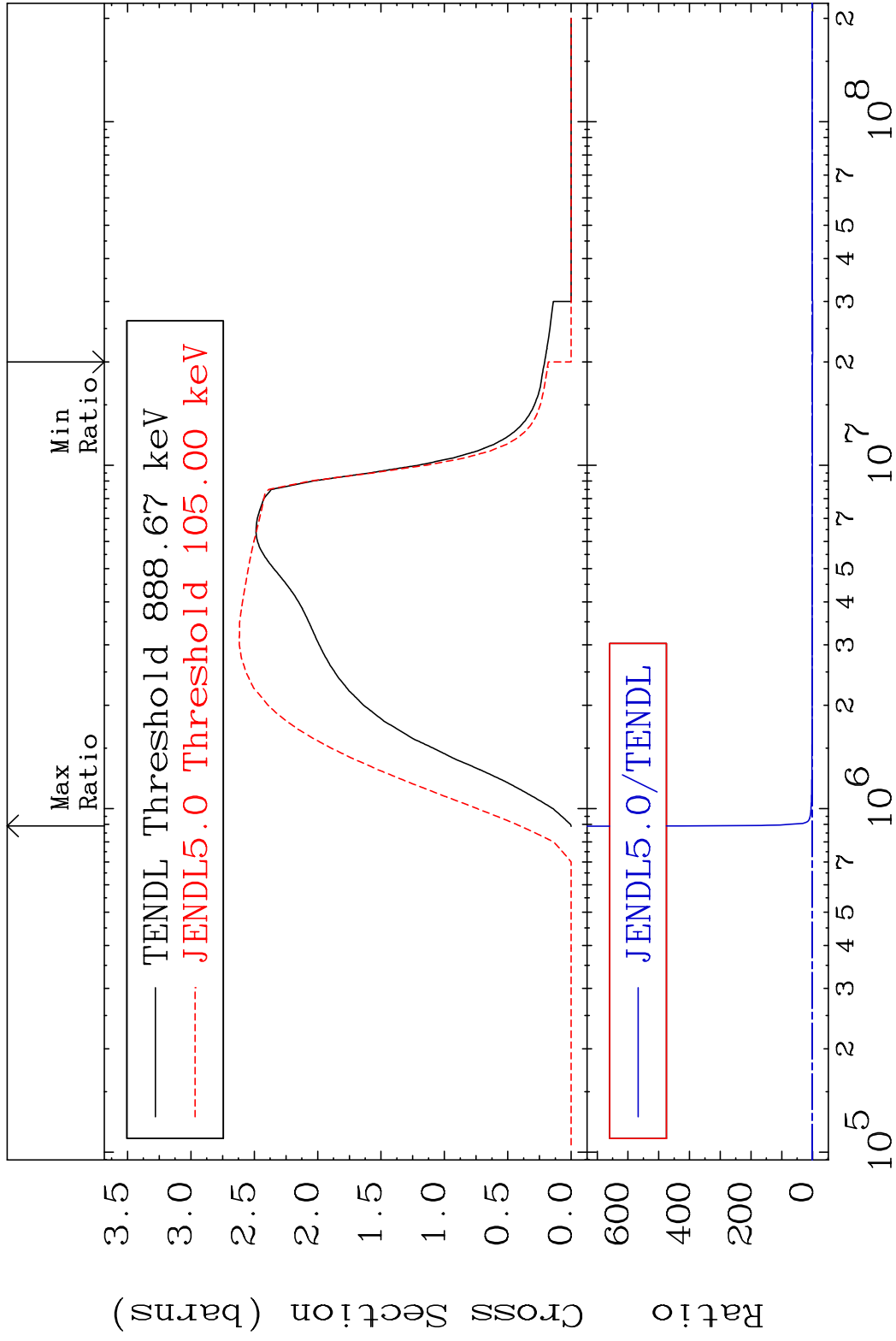


MAT 7119

(n, n') Continuum

71-Lu-173

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

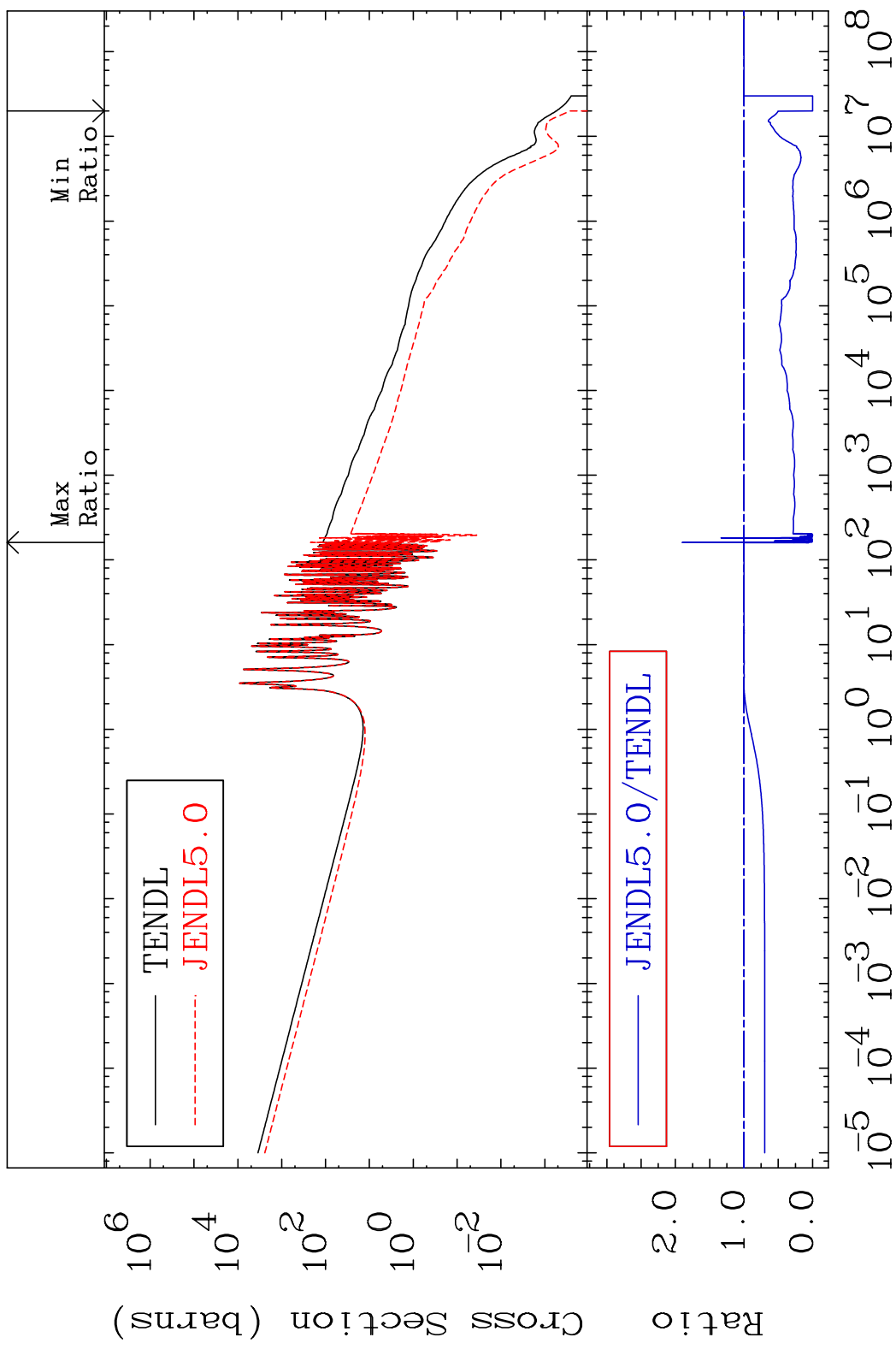
71-Lu-173

MAT 7119

(n,  $\gamma$ )

71-Lu-173

Cross Section -100.0 To 89.86 %

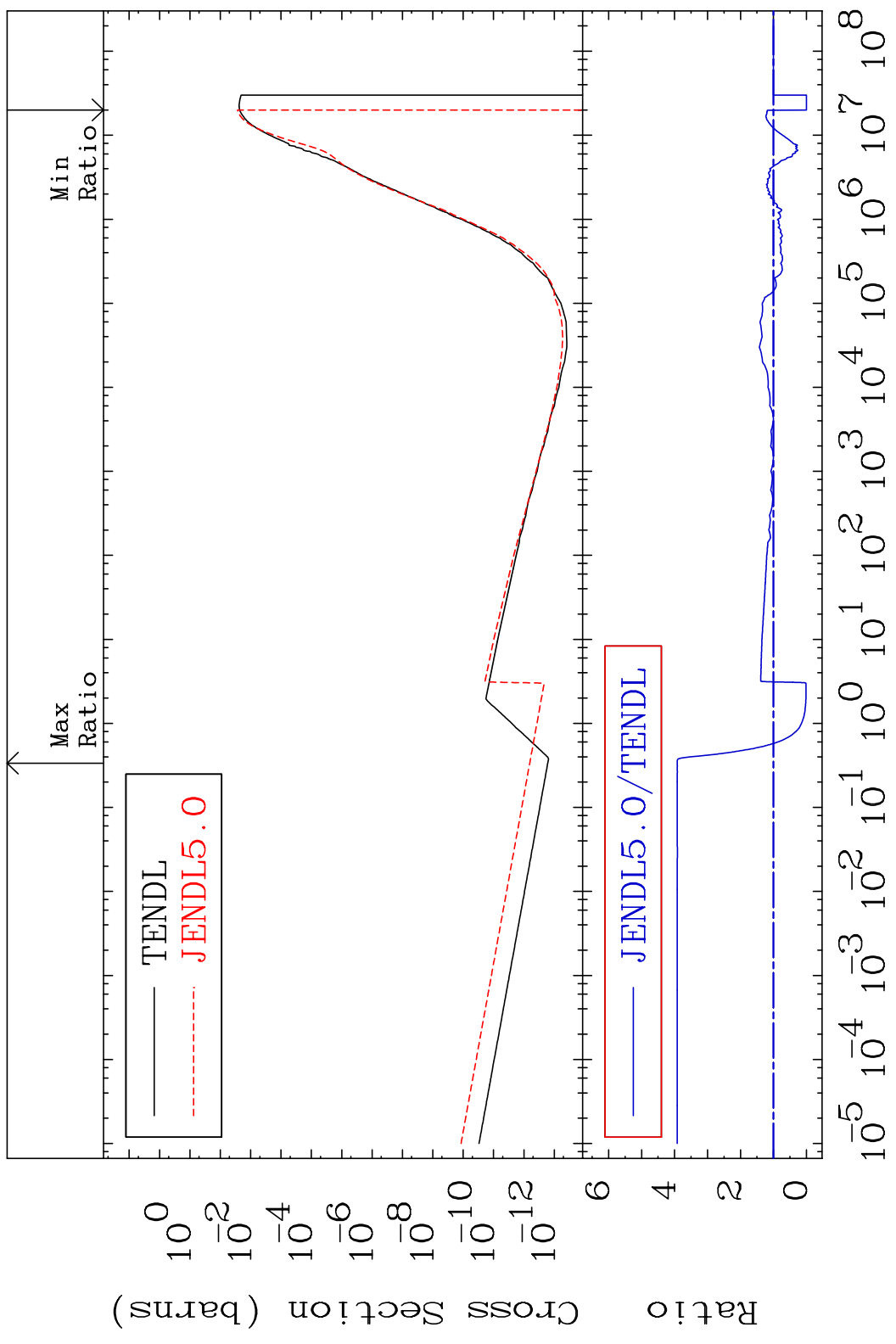


MAT 7119

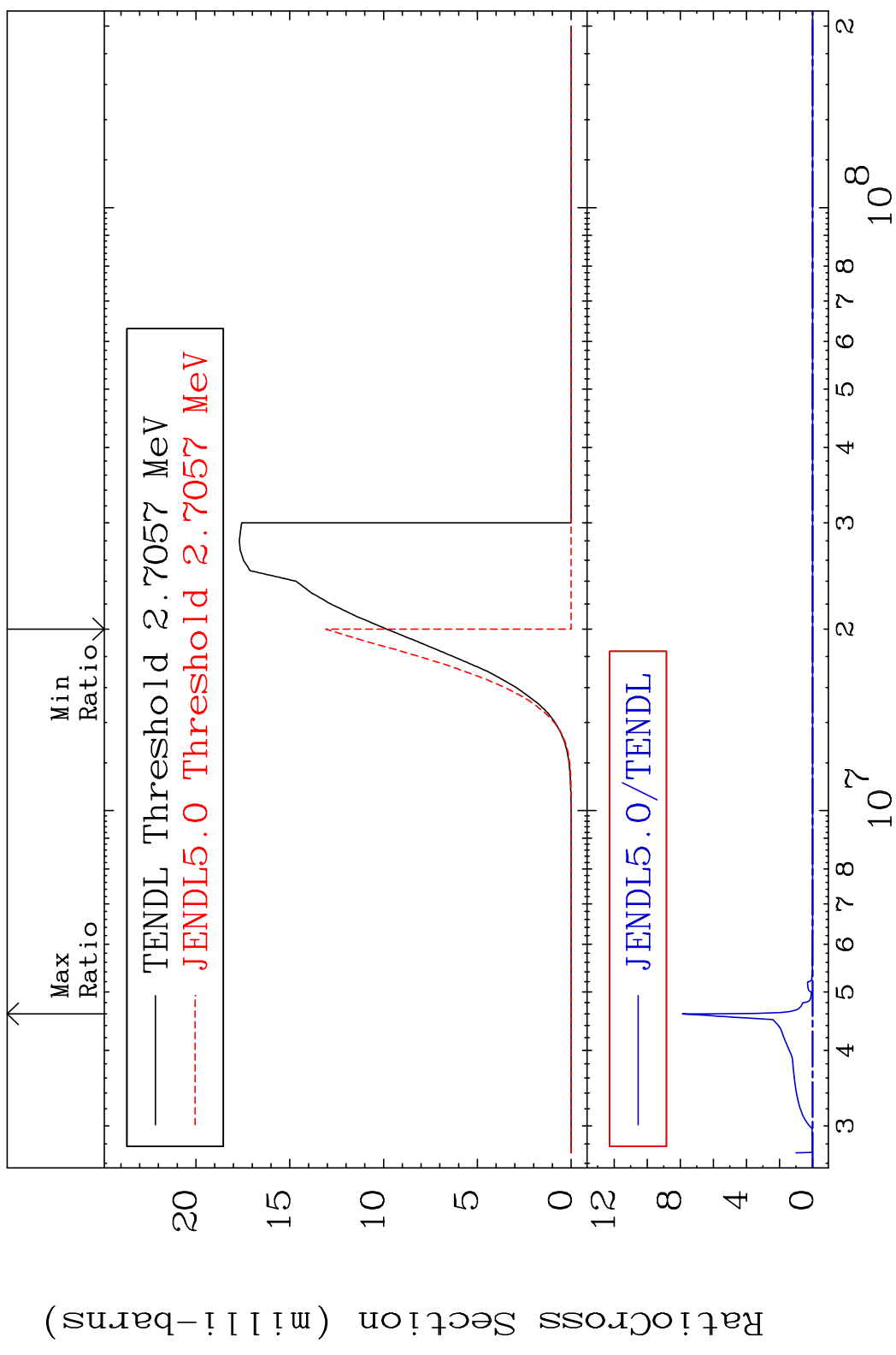
(n, p)

71-Lu-173

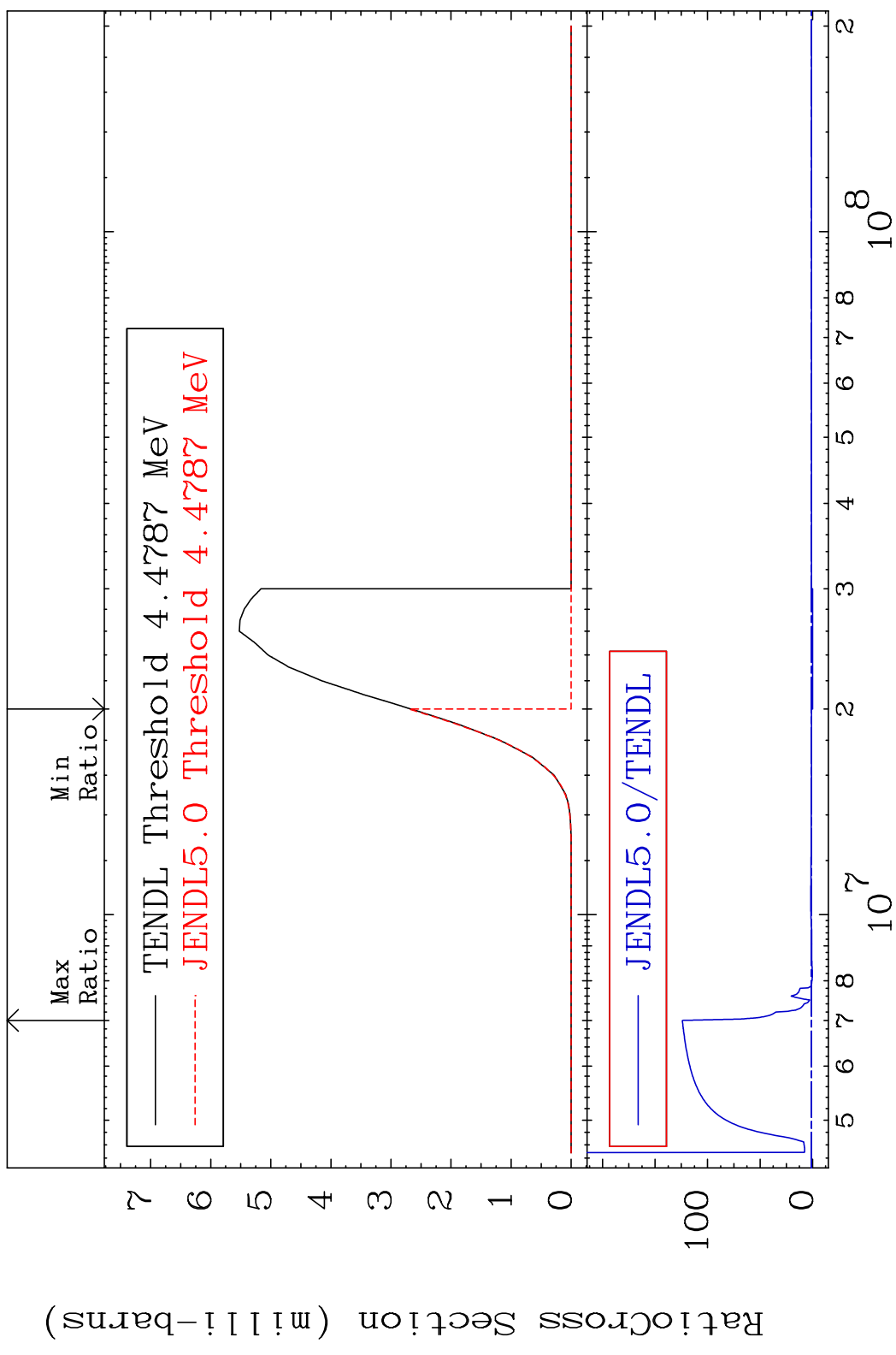
Cross Section -100.0 To 292.0 %



Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %

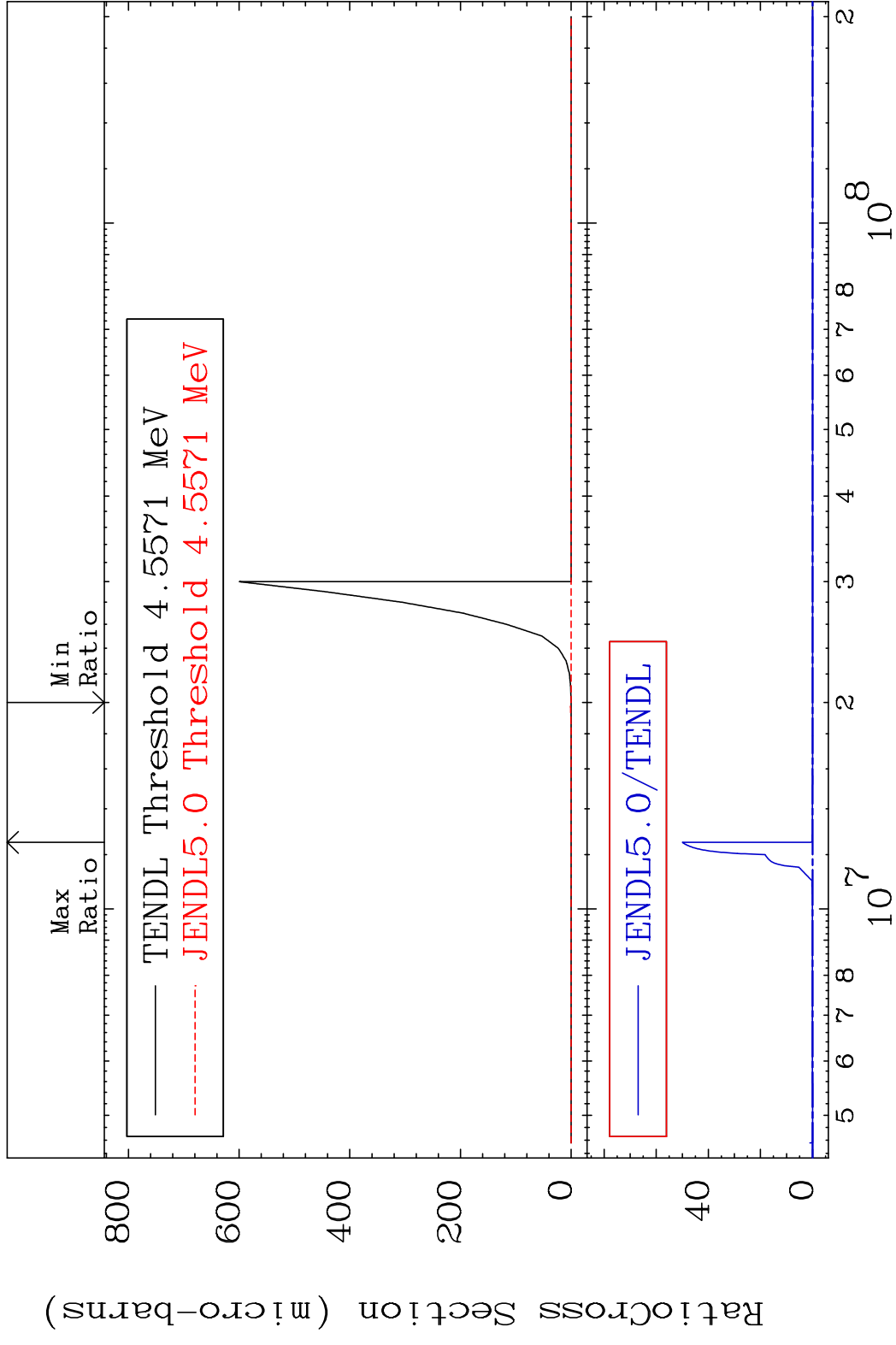


MAT 7119

(n, He-3)

71-Lu-173

Cross Section -100.0 To 9999. %

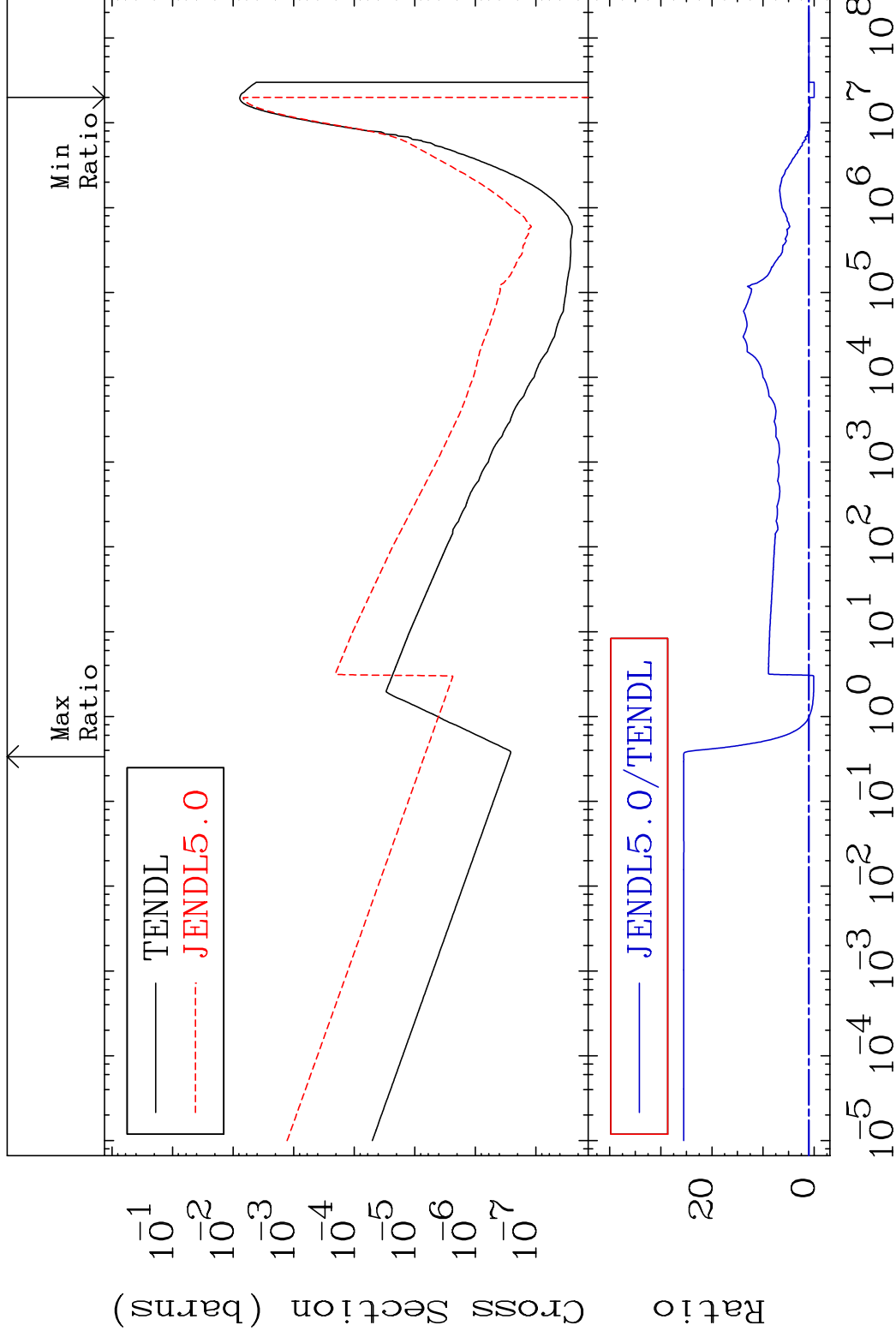


MAT 7119

(n,  $\alpha$ )

71-Lu-173

Cross Section -100.0 To 2453. %



39

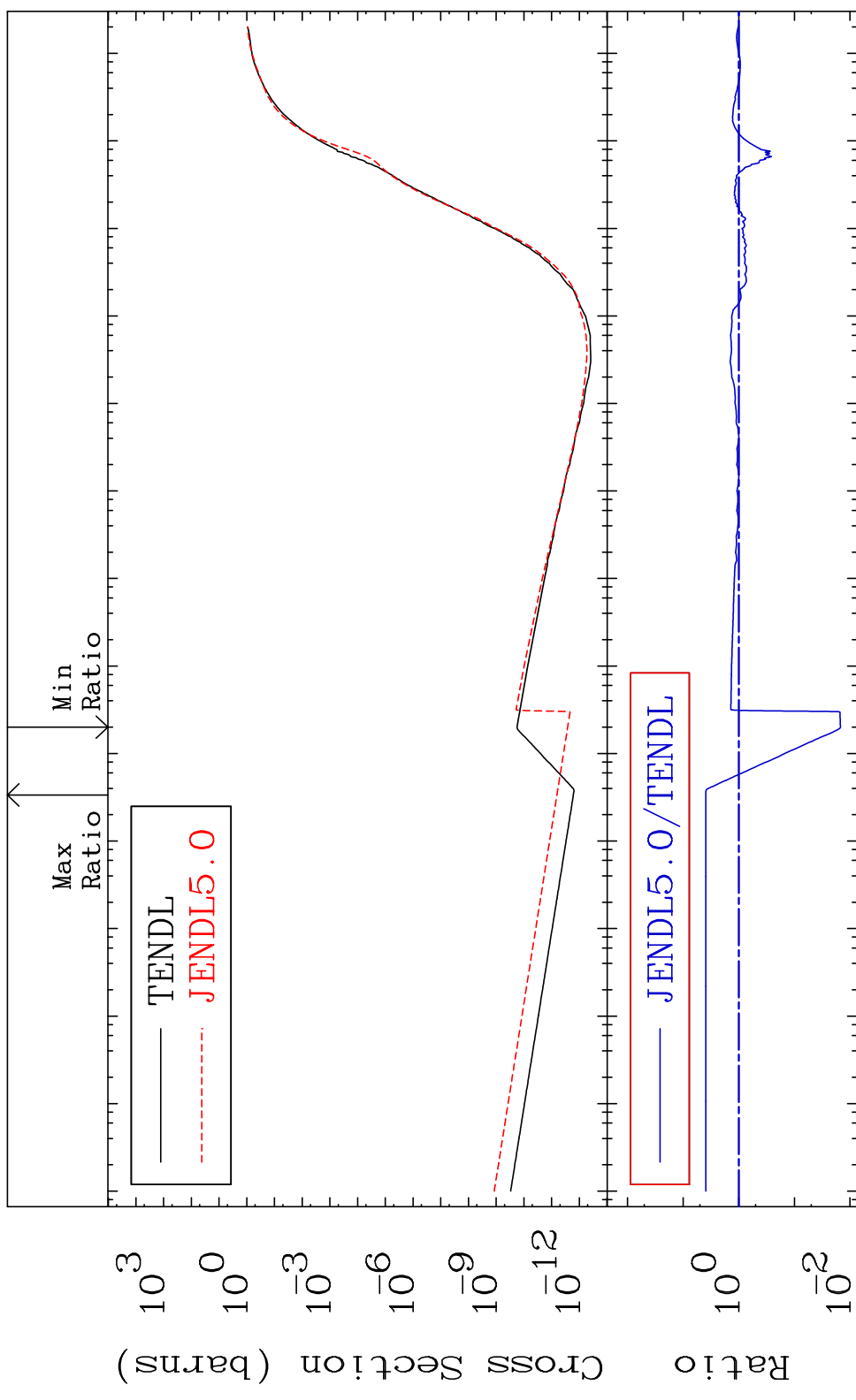
Incident Energy (eV)

71-Lu-173

MAT 7119

Hydrogen Production  
Cross Section -98.51 To 292.0 %

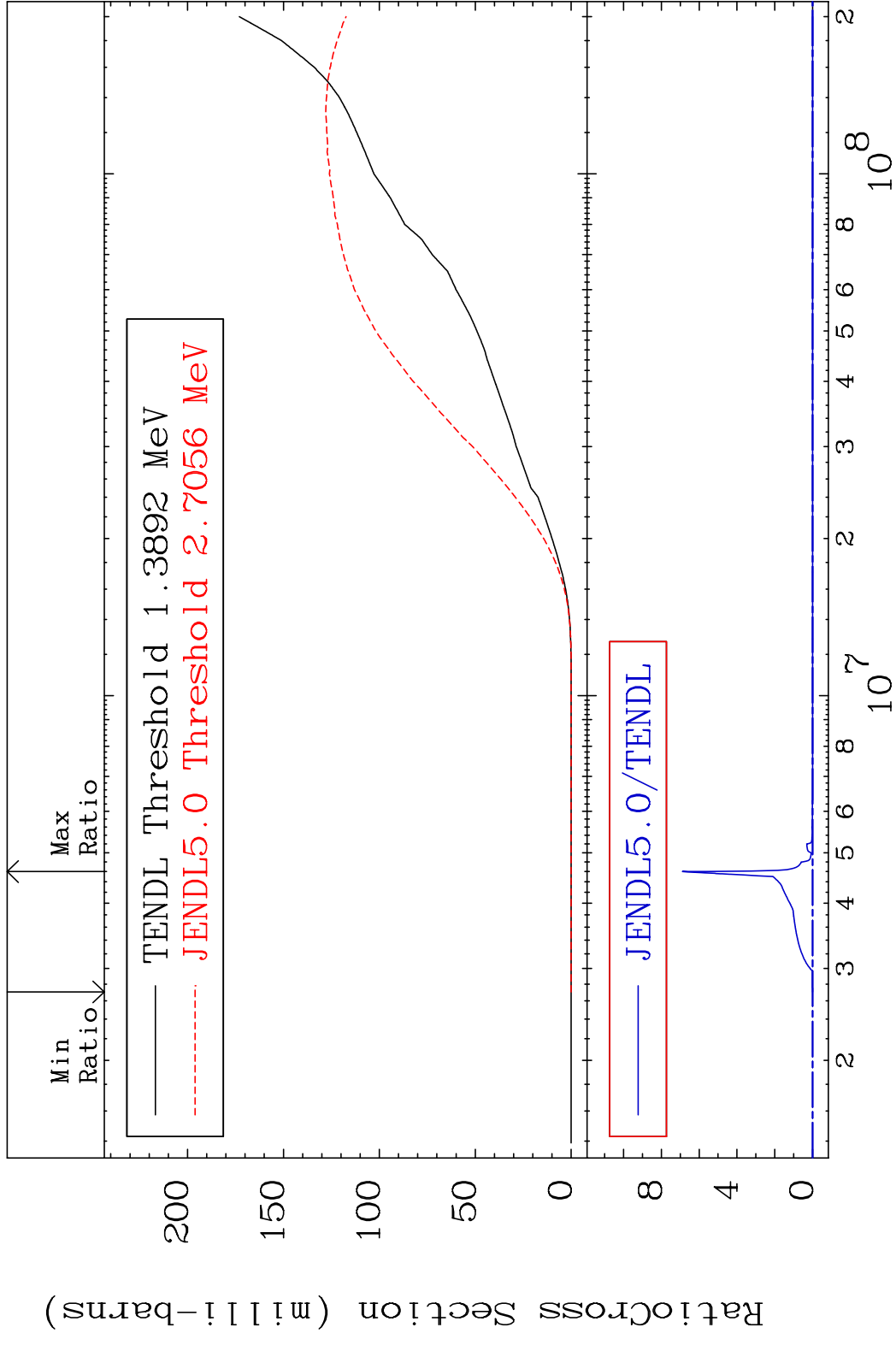
71-Lu-173

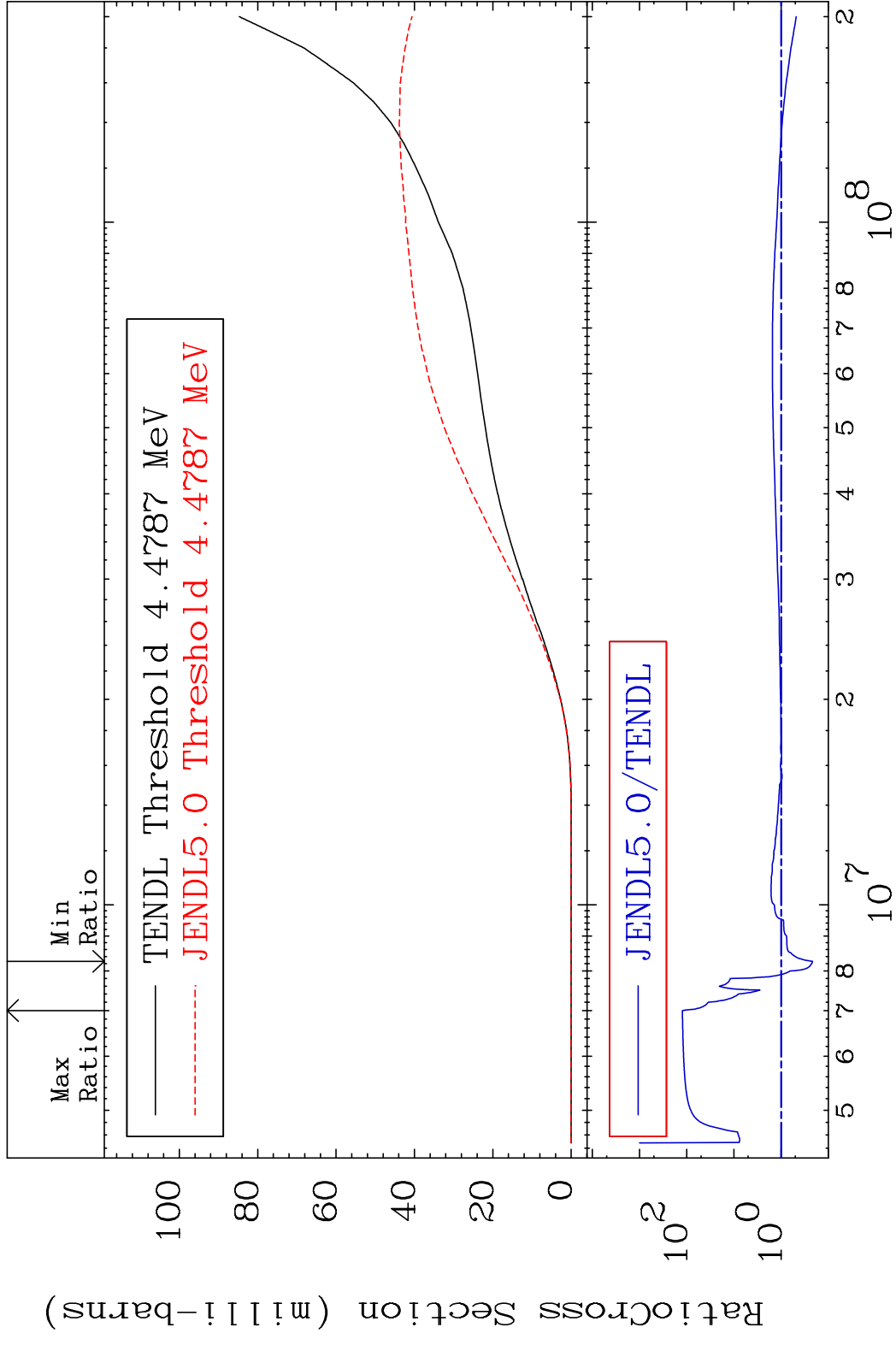


40

Incident Energy (eV)

71-Lu-173



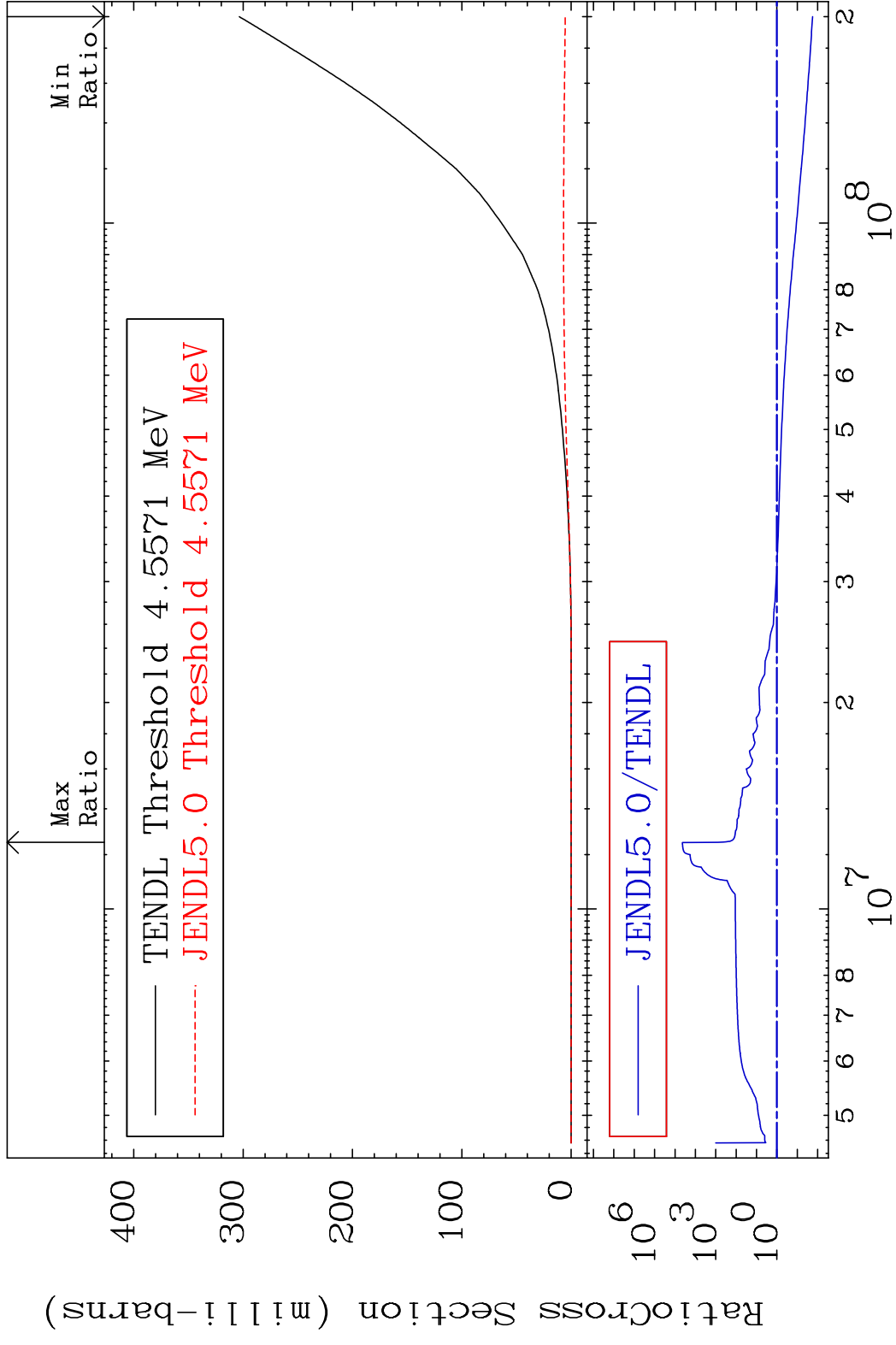


MAT 7119

He-3 Production

71-Lu-173

Cross Section -98.22 To 9999. %

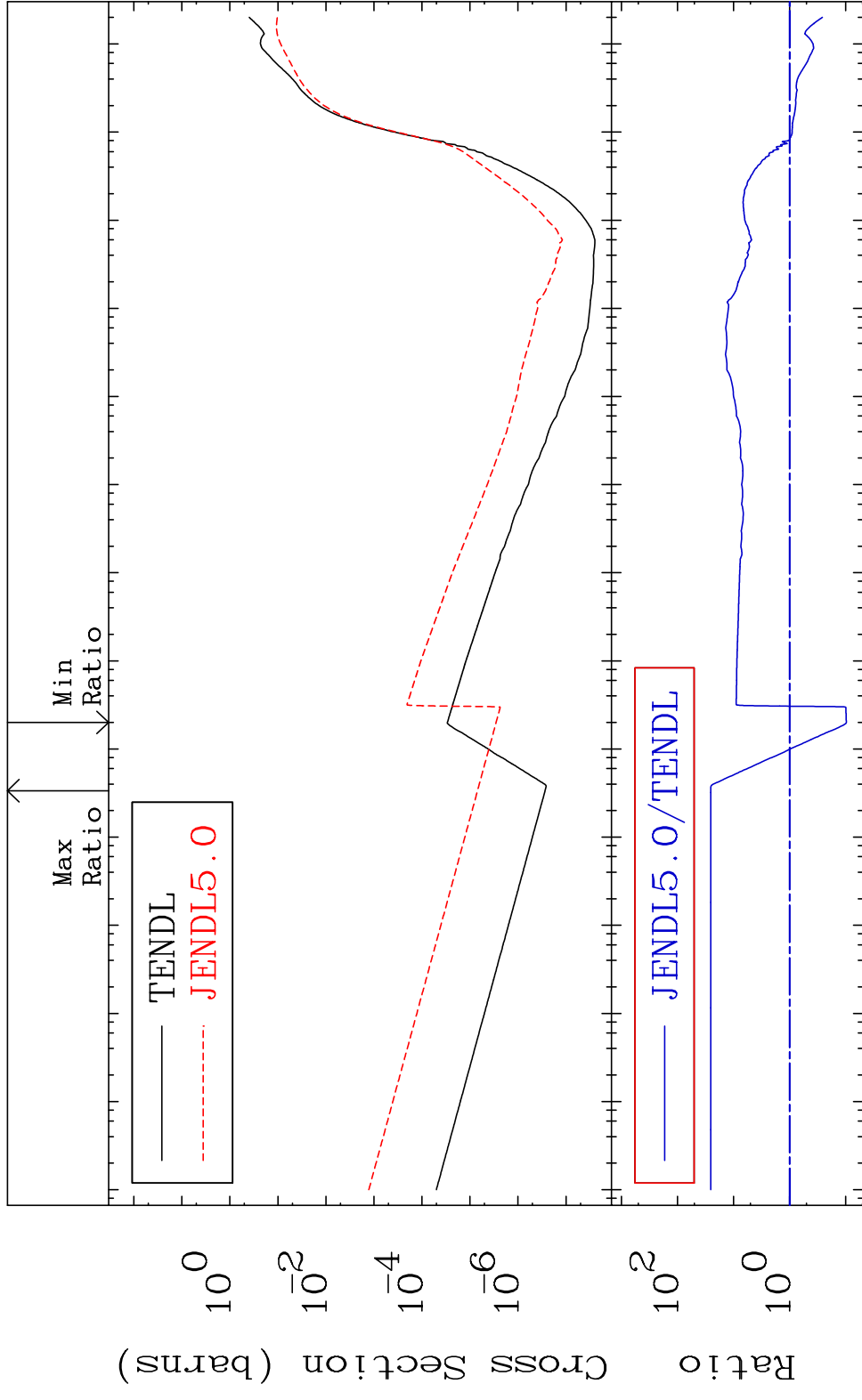


MAT 7119

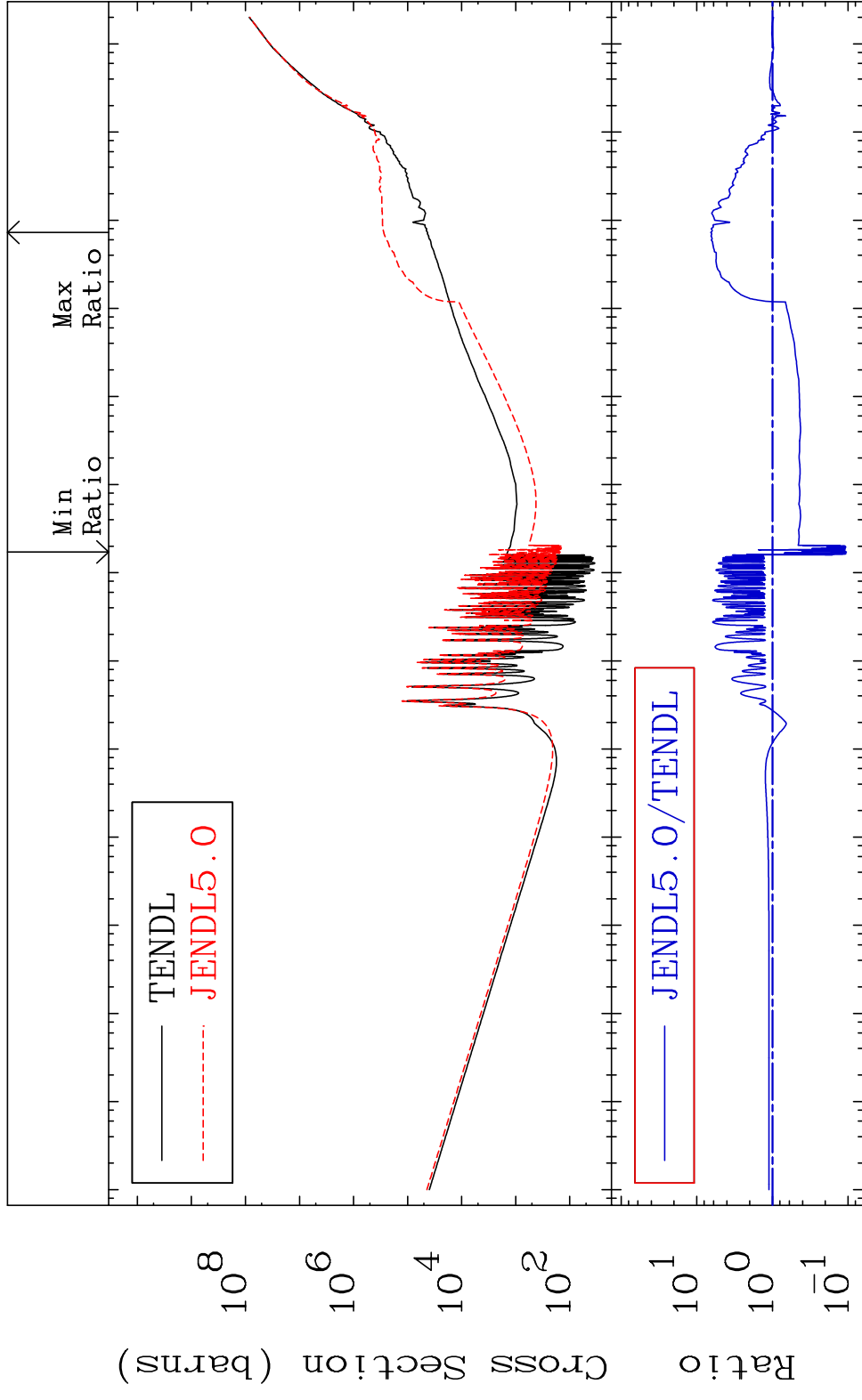
He-4 Production

71-Lu-173

Cross Section -90.31 To 2453. %



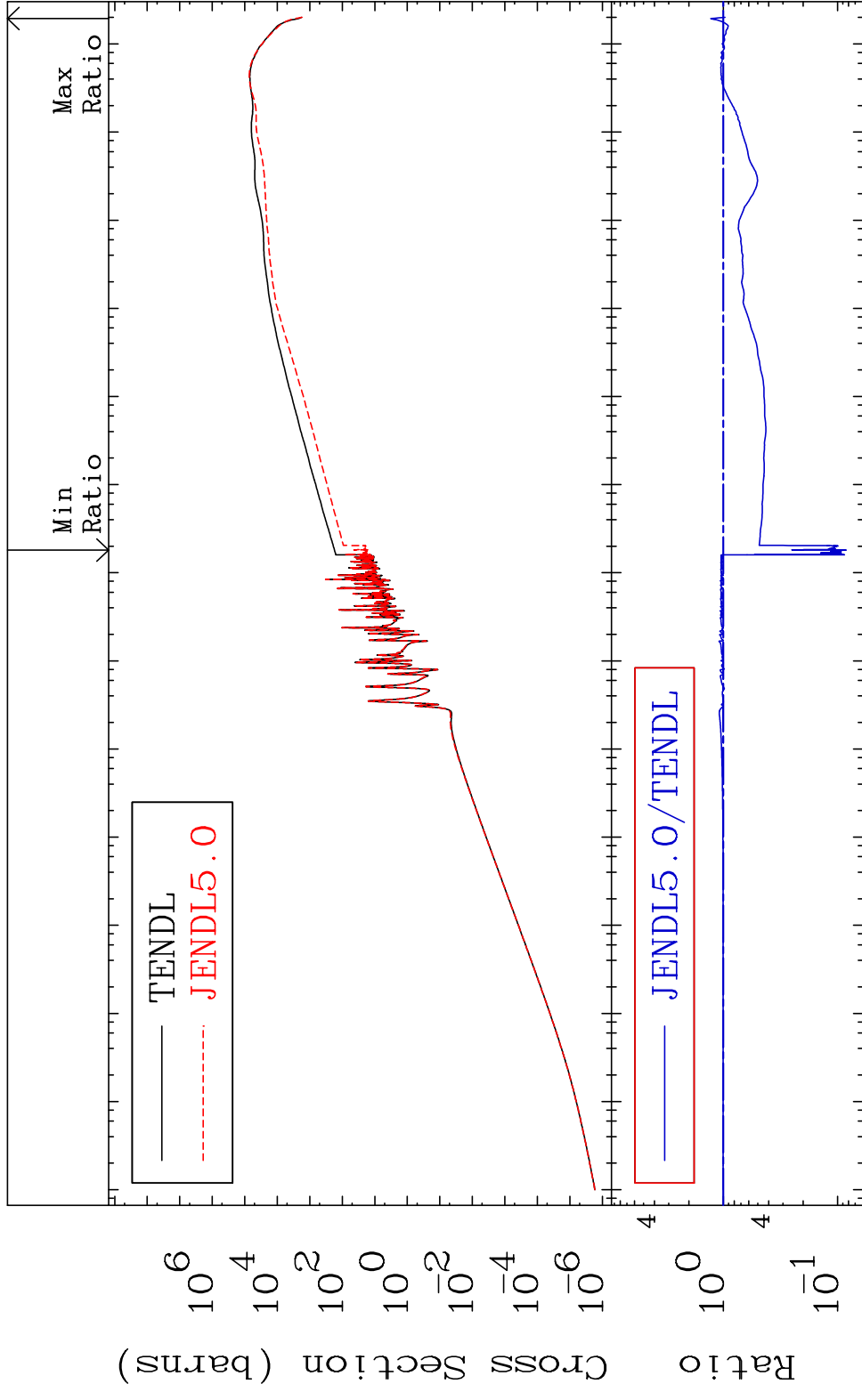
MAT 7119 Kerma total (eV-barns) 71-Lu-173  
 Cross Section -89.44 To 555.0 %



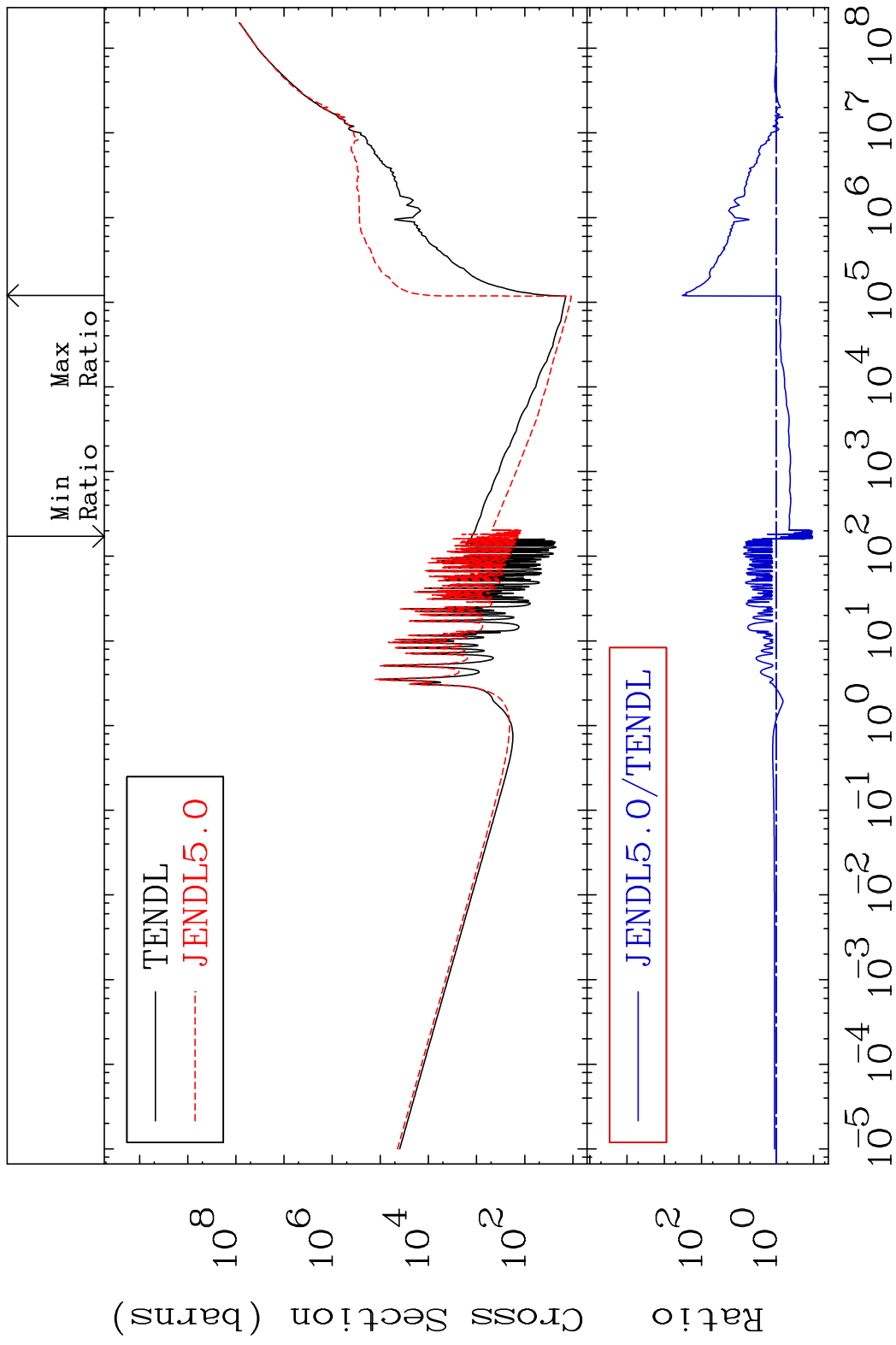
MAT 7119

Kerma elastic  
Cross Section -91.63 To 28.90 %

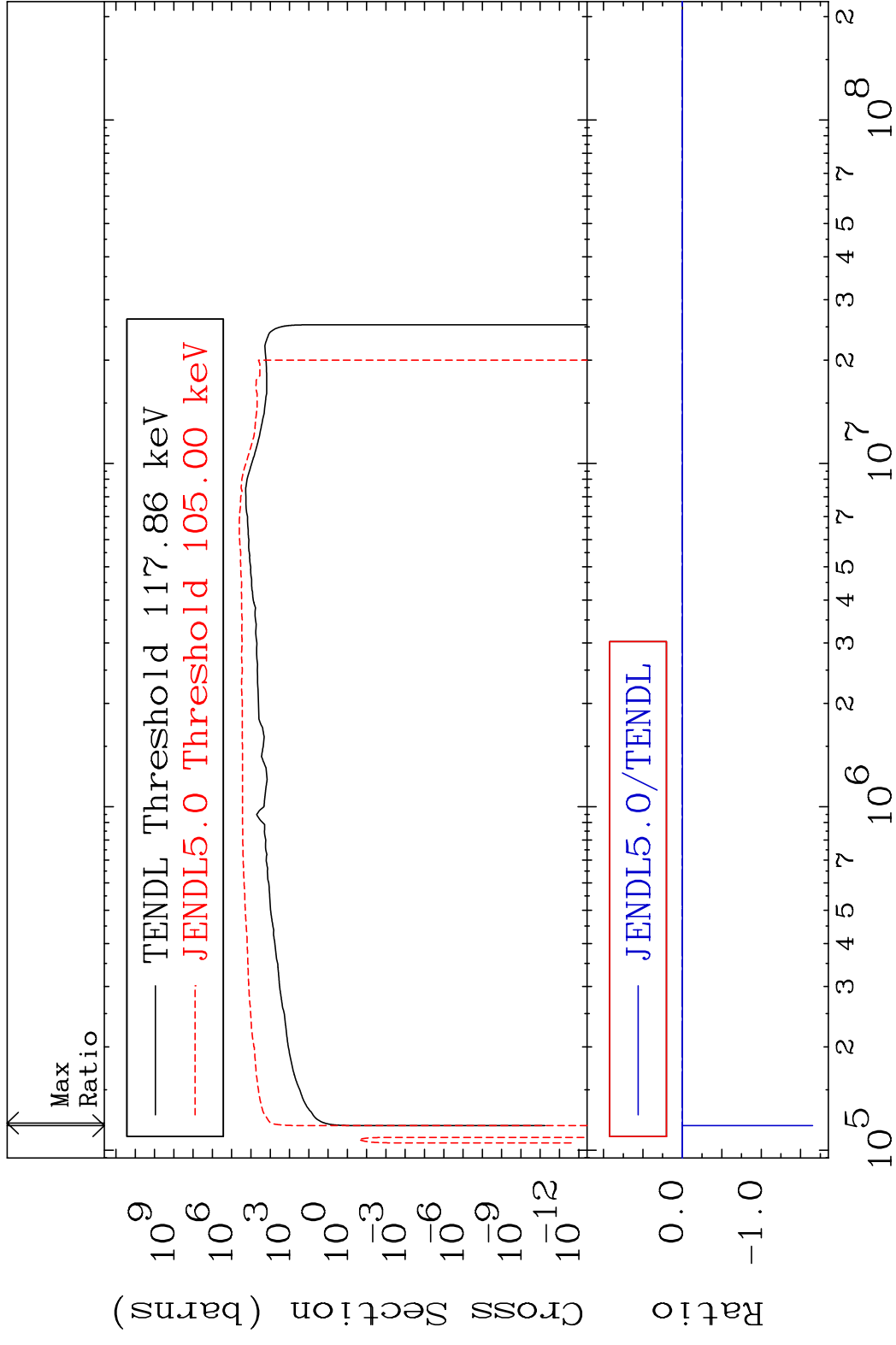
71-Lu-173



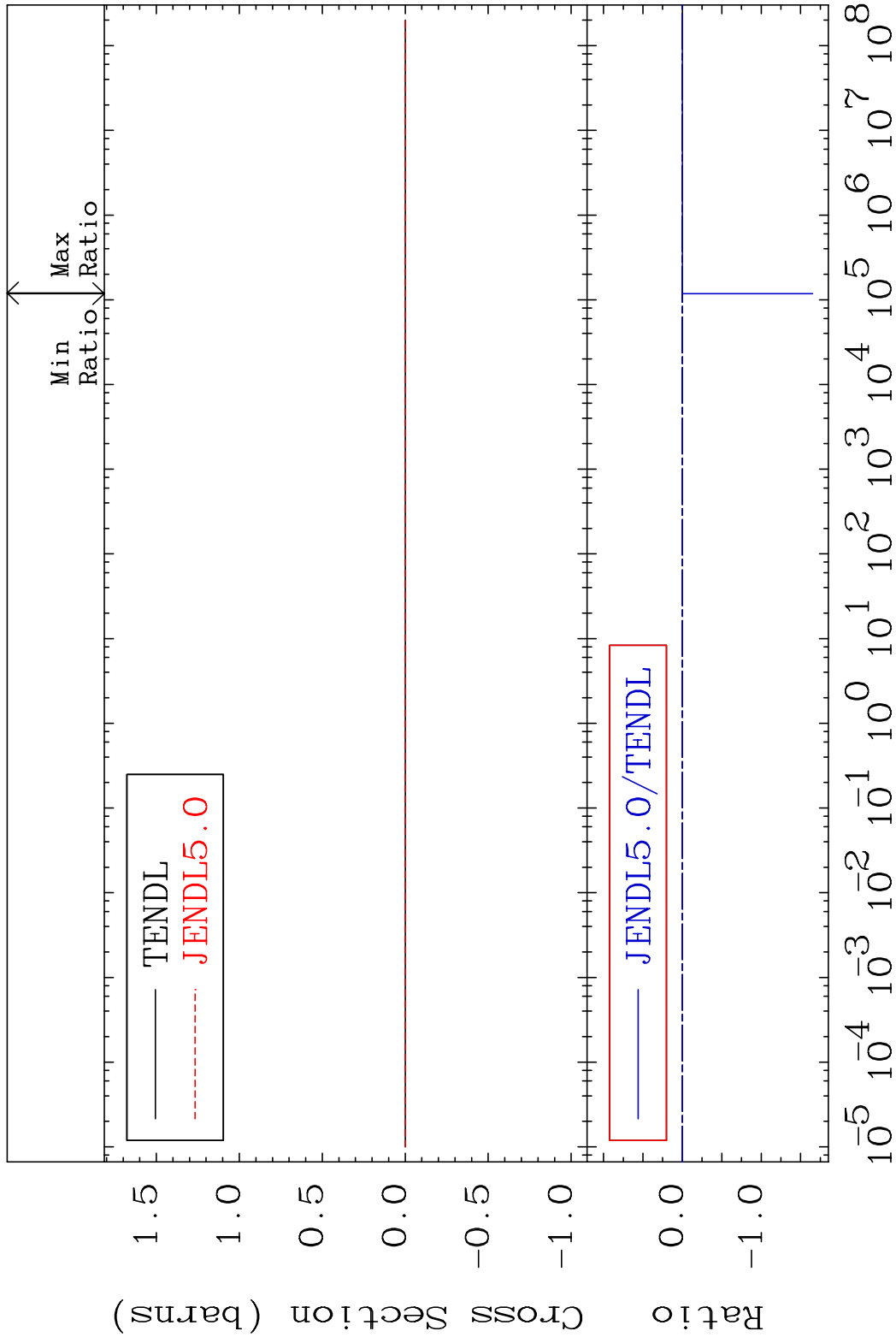
MAT 7119 Kerma non-elastic (all but mt2) 71-Lu-173  
 Cross Section -89.42 To 9999. %



MAT 7119 Kerma inelastic (mt51-91) 71-Lu-173  
 Cross Section -9999. To 9999. %

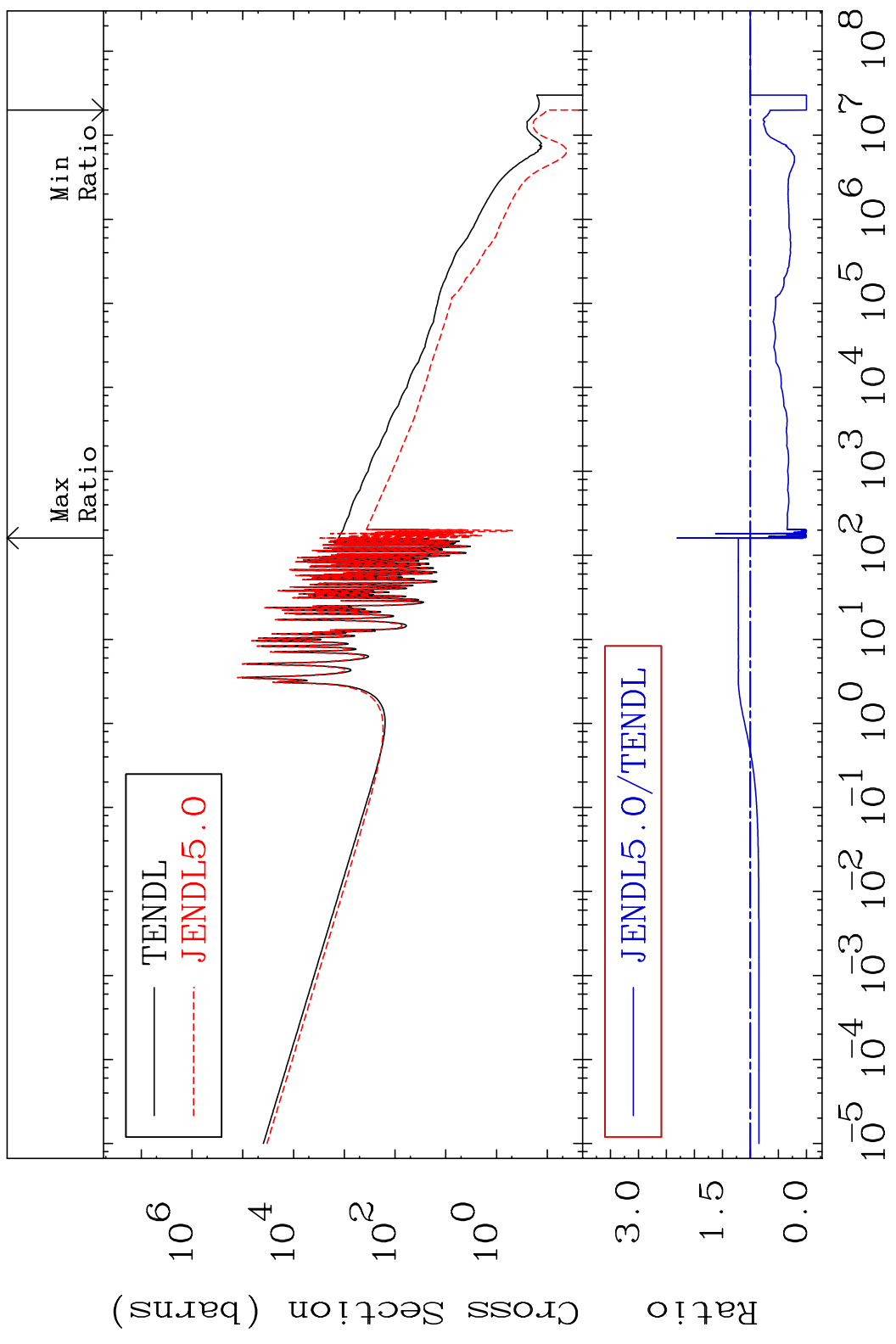


MAT 7119 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-173  
 Cross Section -9999. To 9999. %



MAT 7119

Kerma capture (mt102) 71-Lu-173  
Cross Section -100.0 To 130.8 %

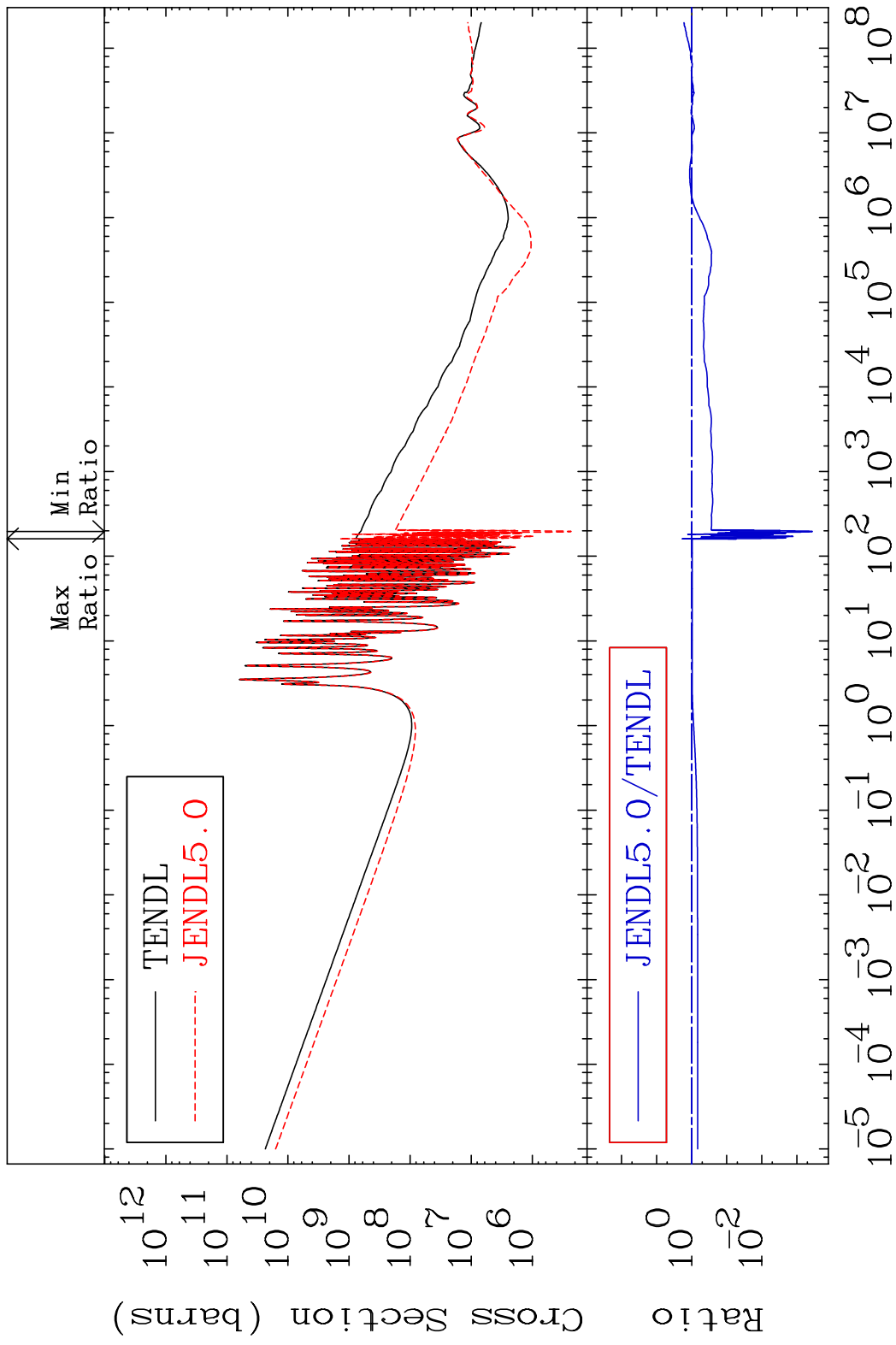


50

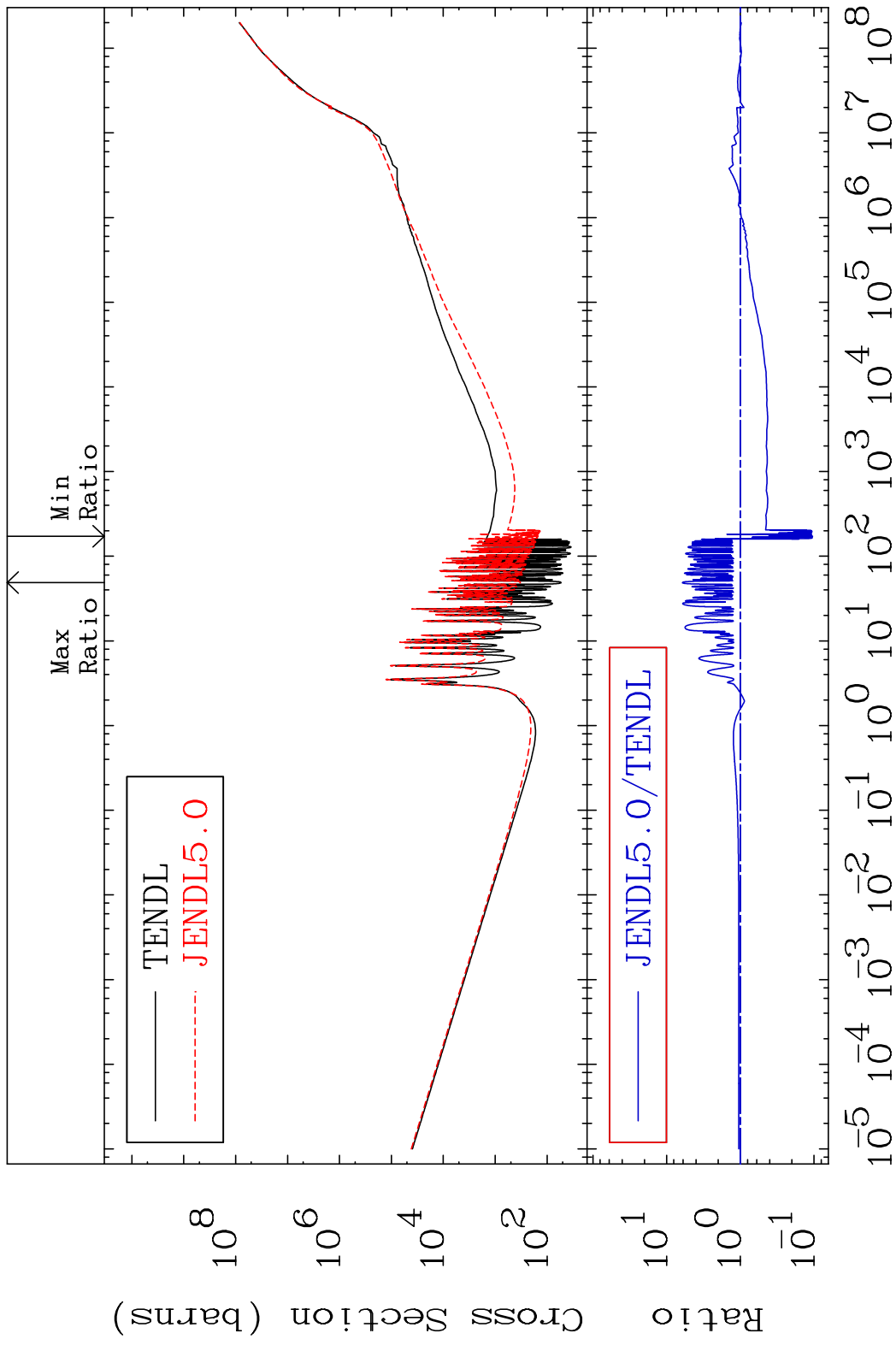
Incident Energy (eV)

71-Lu-173

MAT 7119 Total photon (eV-barns) 71-Lu-173  
 Cross Section -99.96 To 83.95 %



MAT 71119 Total kinematic kerma (high limit) 71-Lu-173  
 Cross Section -89.52 To 512.3 %

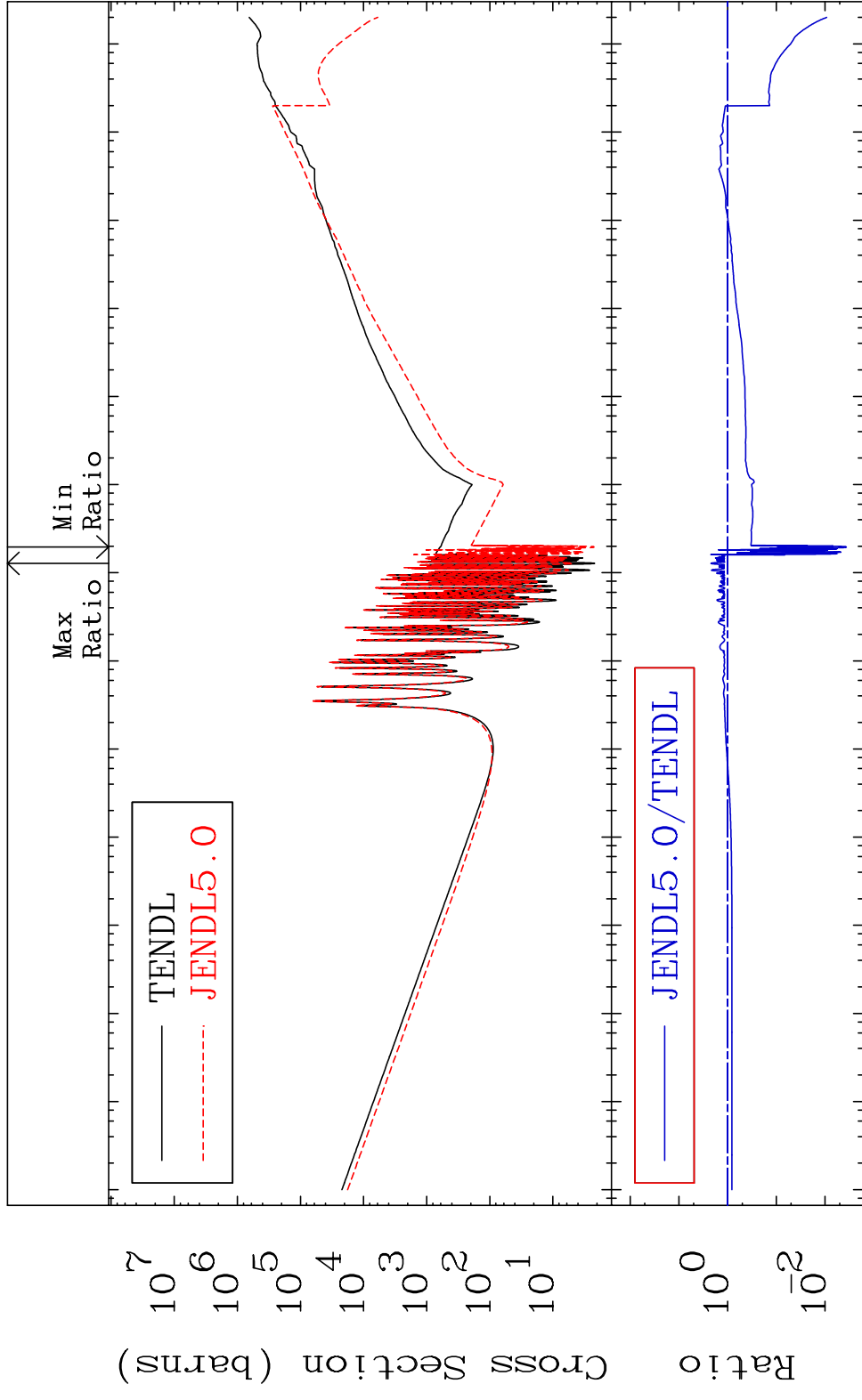


MAT 7119

Dpa total (eV-barns)

71-Lu-173

Cross Section -99.64 To 122.0 %

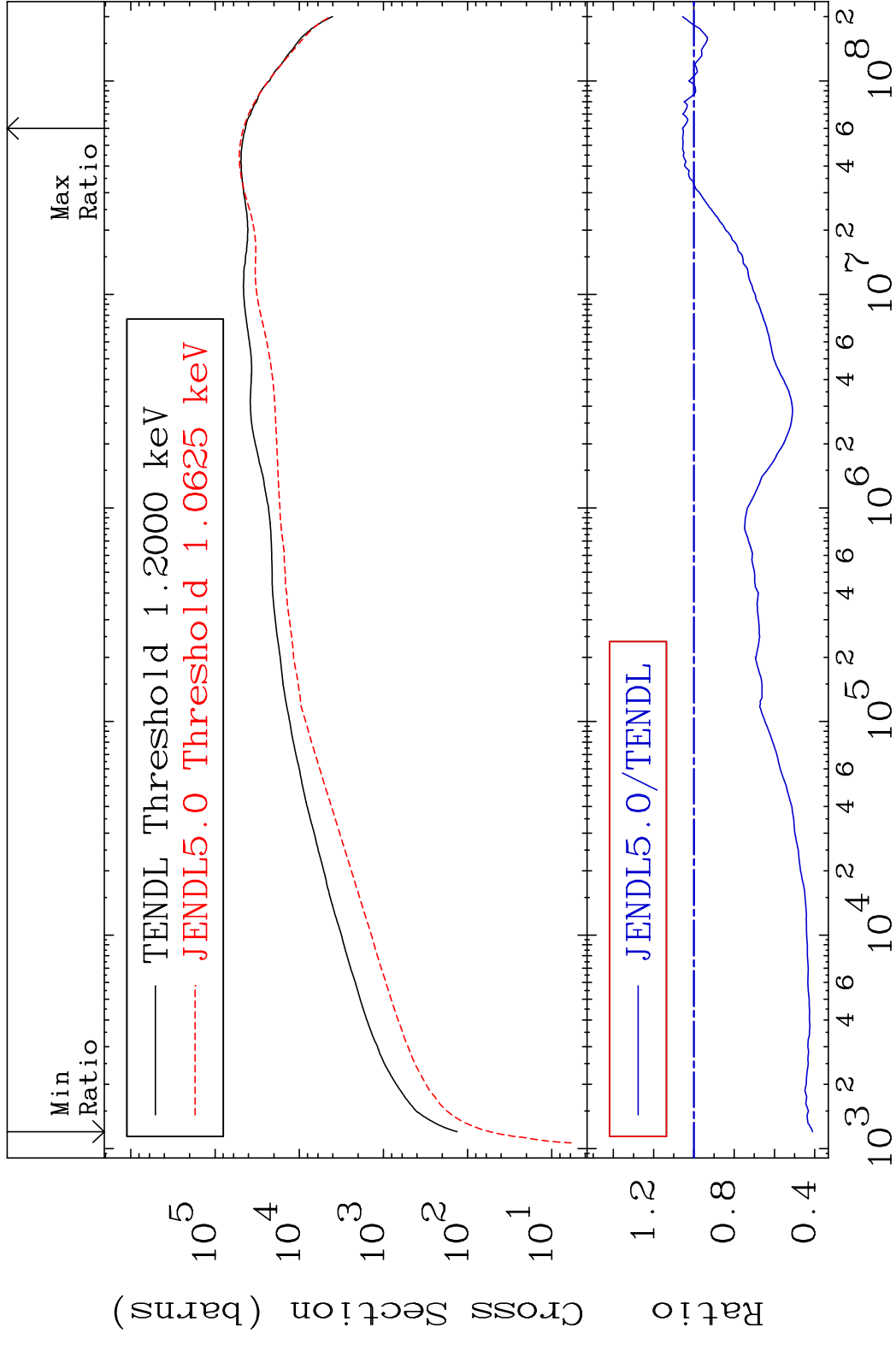


MAT 7119

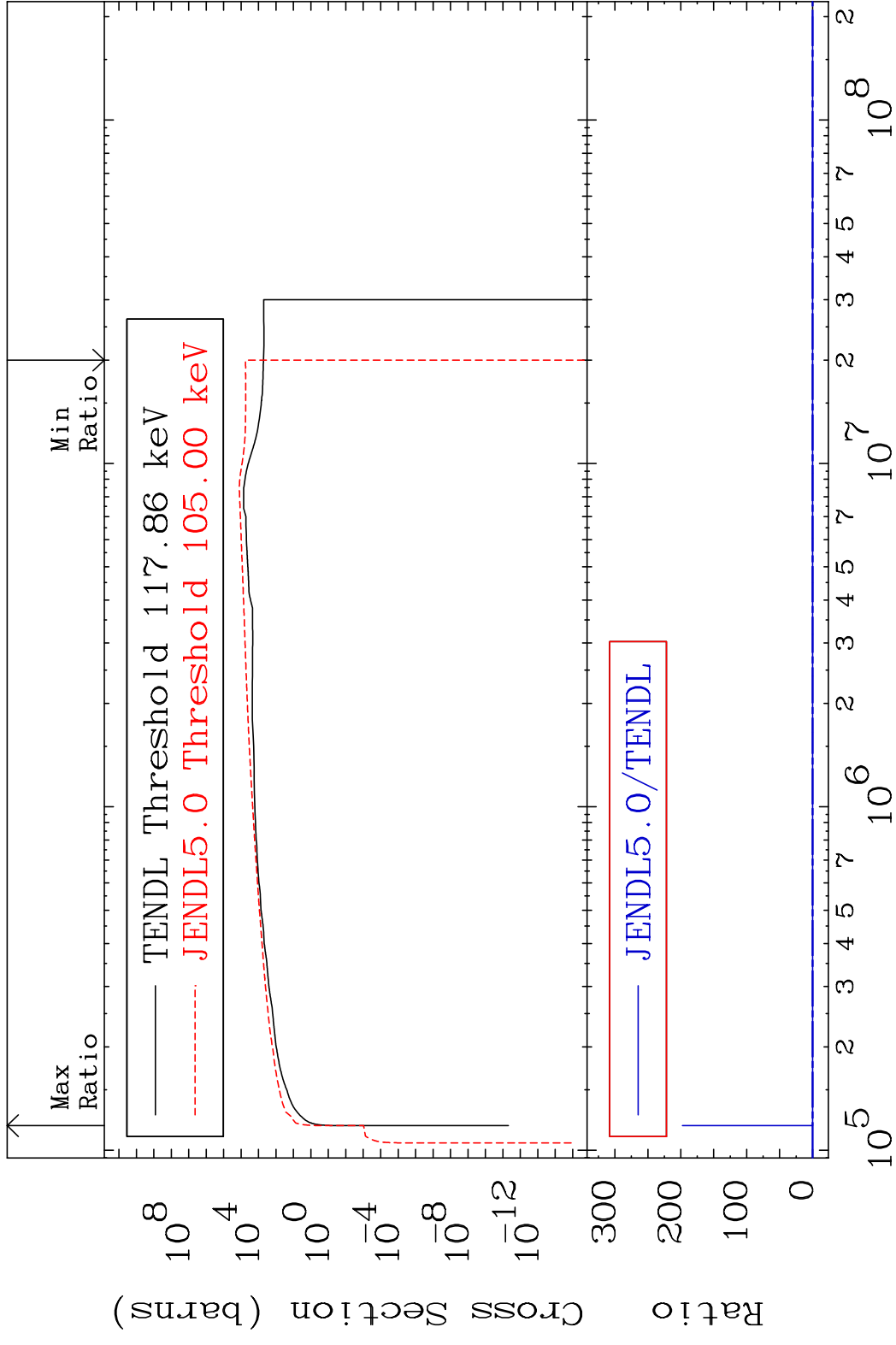
Dpa elastic (mt2)

71-Lu-173

Cross Section -58.95 To 5.731 %

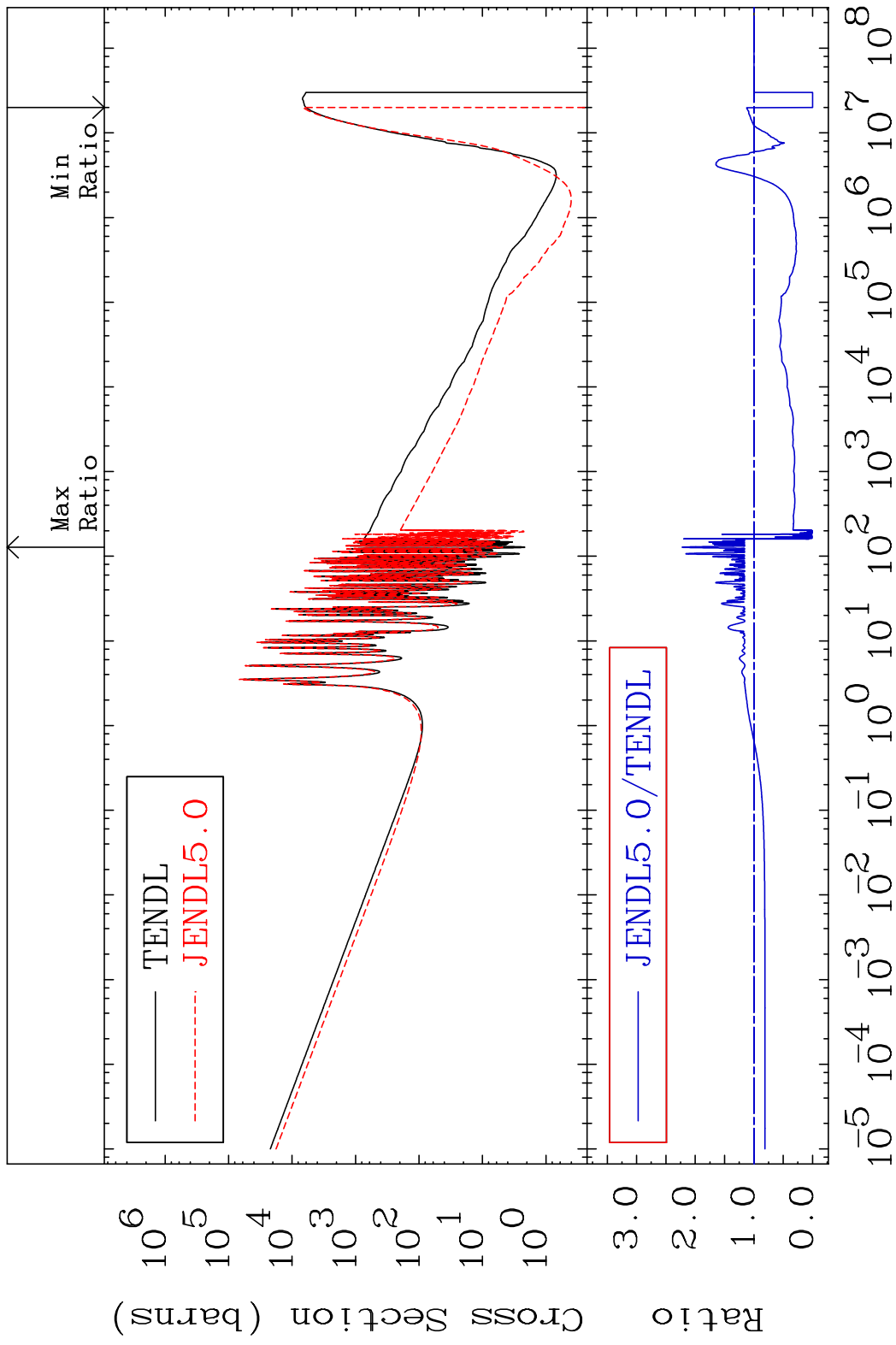


MAT 7119 Dpa inelastic (mt51-91) 71-Lu-173  
 Cross Section -100.0 To 9999. %

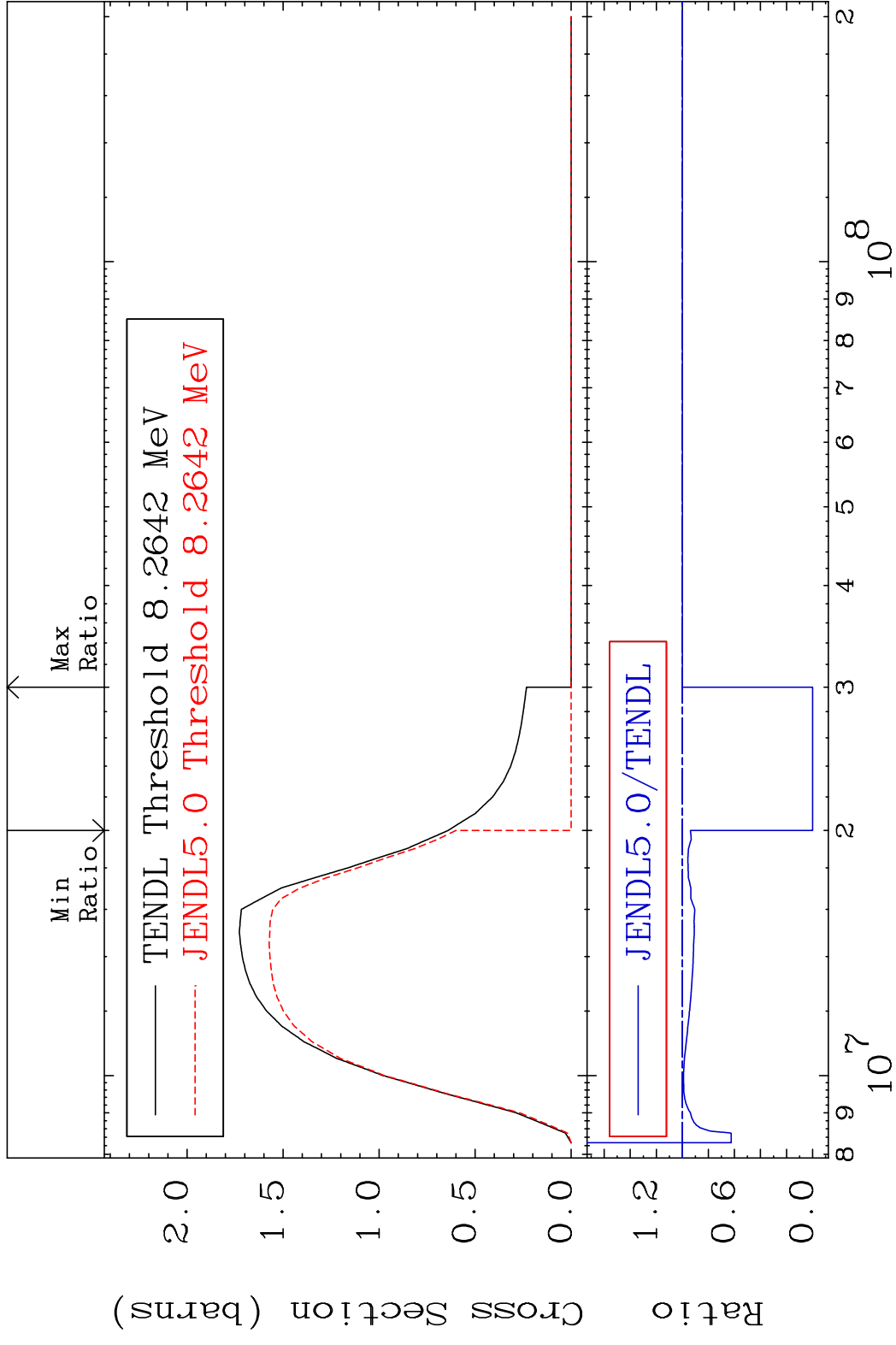


55 Incident Energy (eV) 71-Lu-173

MAT 7119 Dpa disappearance (mt102 -120) 71-Lu-173  
 Cross Section -100.0 To 122.0 %



MAT 7119 (n,2n):71-Lu-172g 71-Lu-173  
 Radionuclide Production Cross Section 180.01 dth 0.000 %



MAT 7119 (n,2n):71-Lu-172m1 71-Lu-173  
 Radionuclide Production Cross Section 93.54 %

