

Program Complot  
(Version 2021-1)

by

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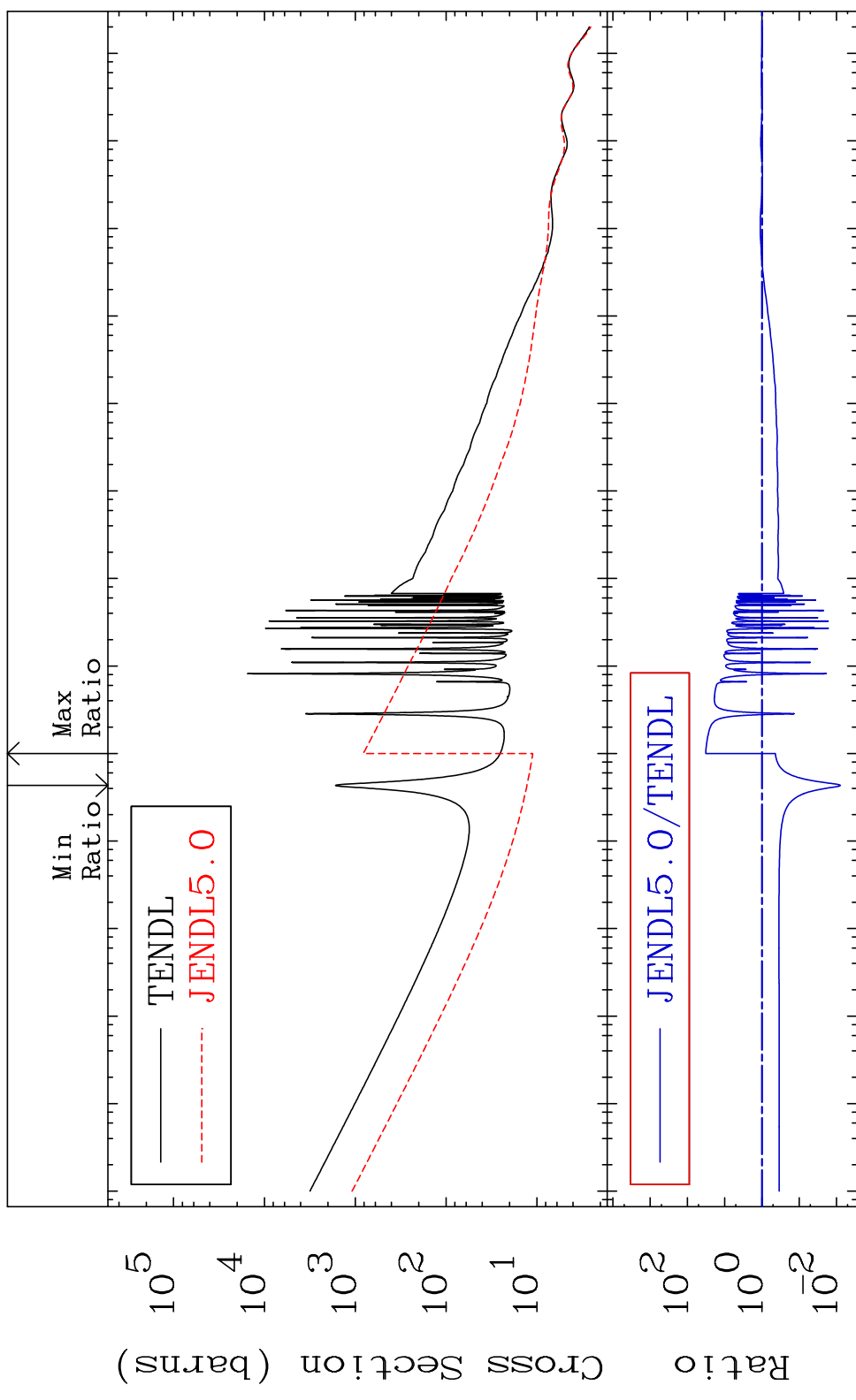
Press Mouse Button to Start

MAT 7122

Total

71-Lu-174

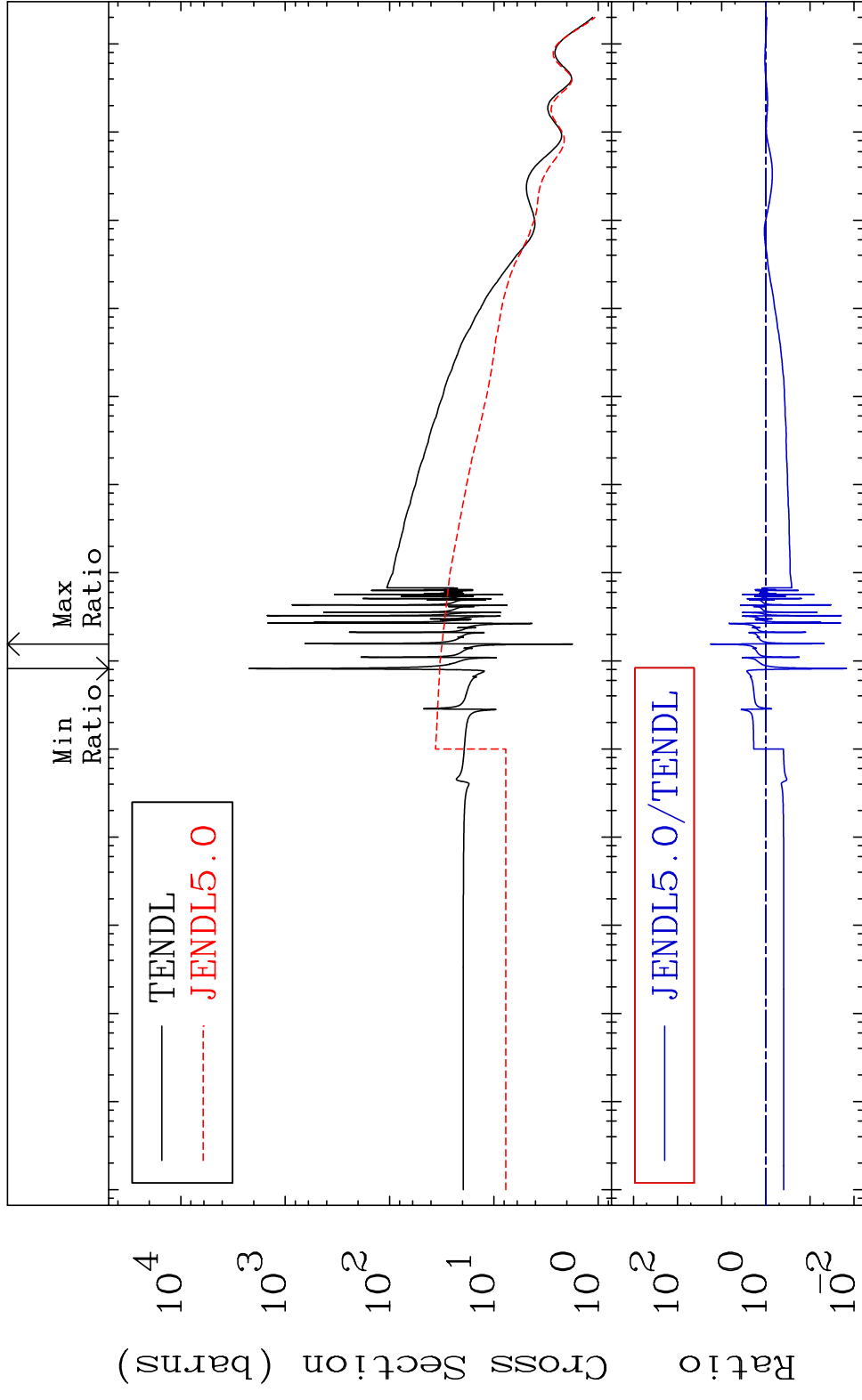
Cross Section -99.22 To 3112. %



MAT 7122

Elastic Cross Section -98.50 To 1674. %

71-Lu-174



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)

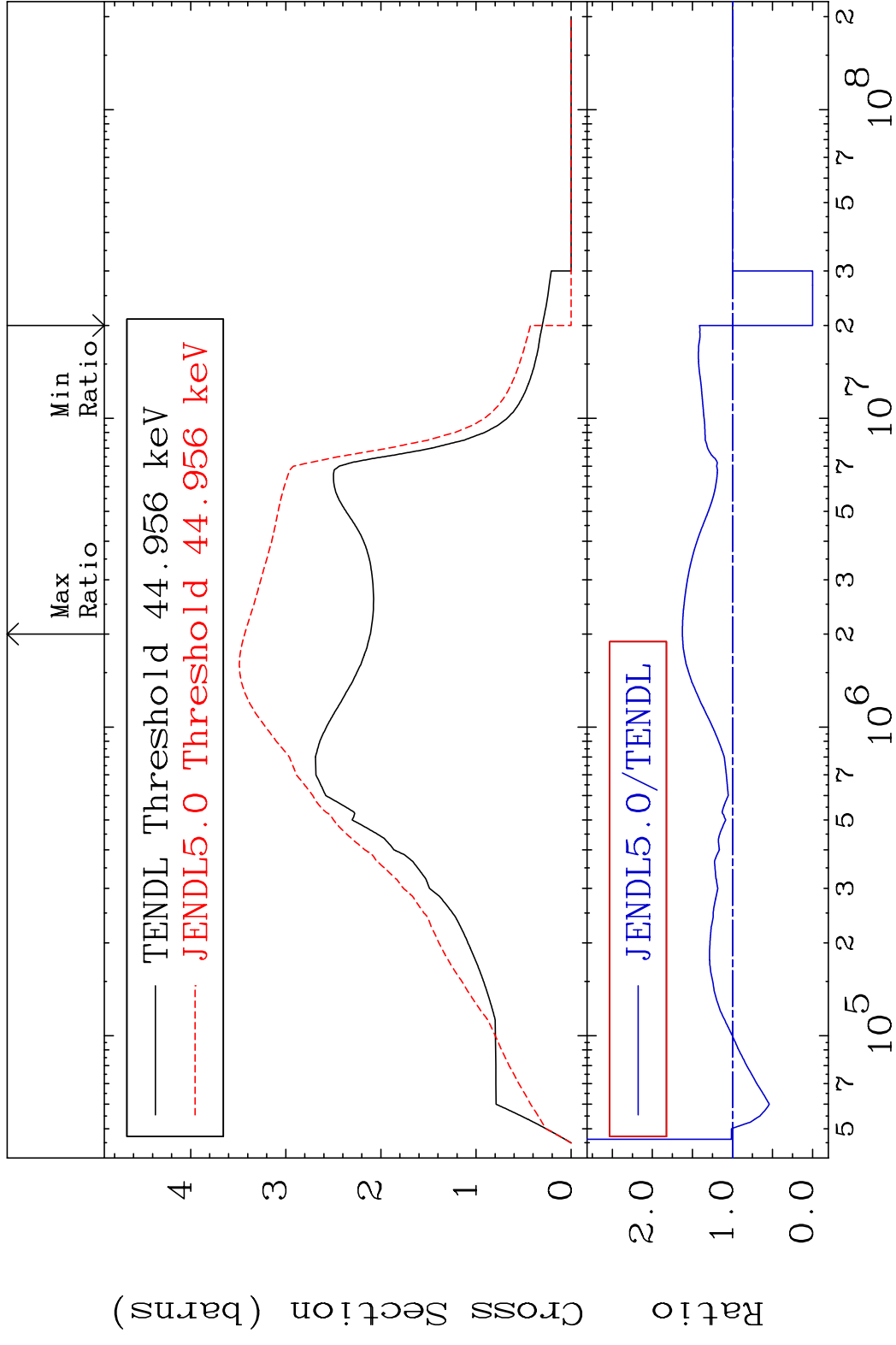
71-Lu-174

MAT 7122

Inelastic

71-Lu-174

Cross Section -100.0 To 62.57 %



3

Incident Energy (eV)

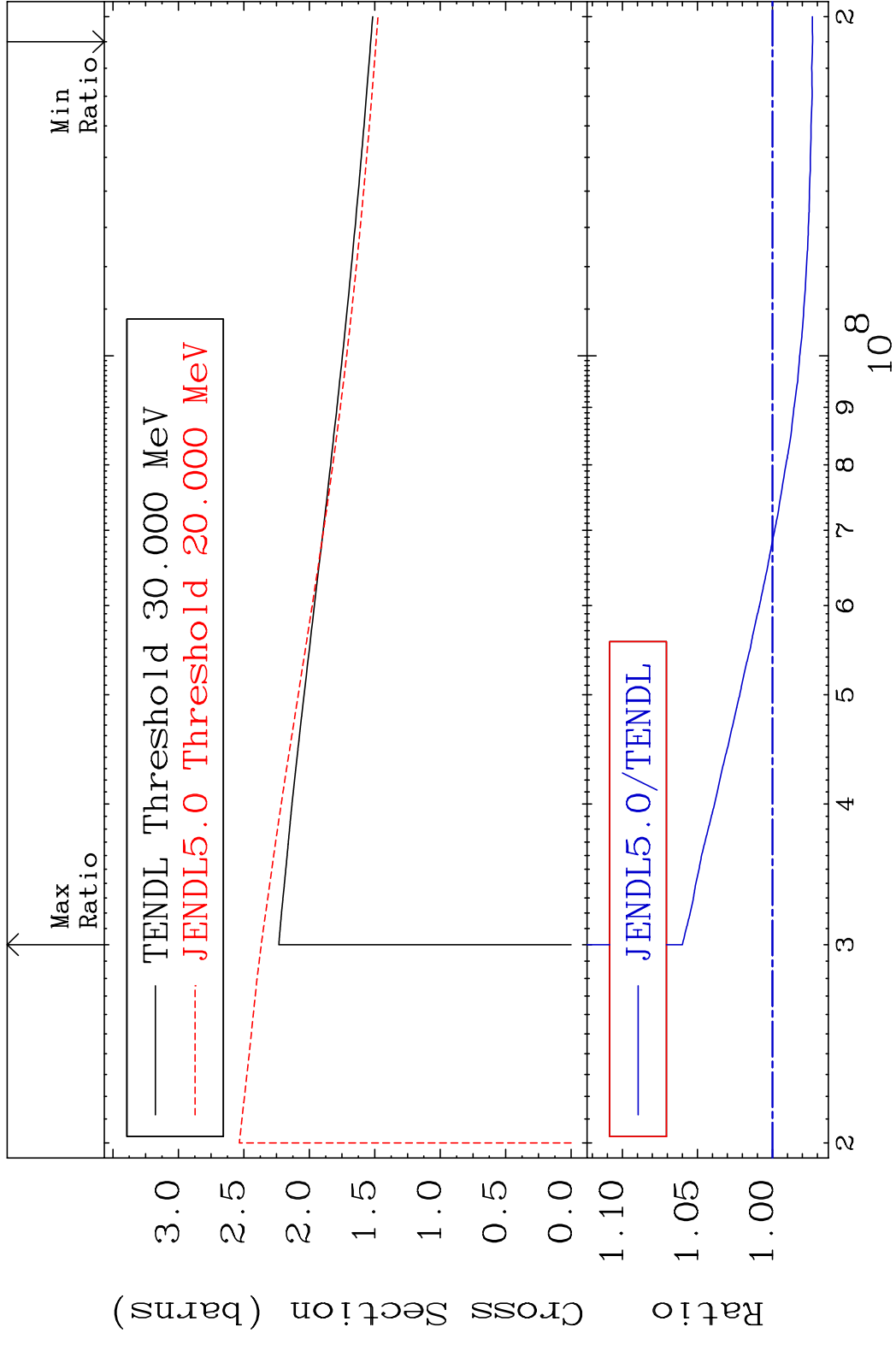
71-Lu-174

MAT 7122

(n, remainder)

71-Lu-174

Cross Section -2.673 To 6.002 %

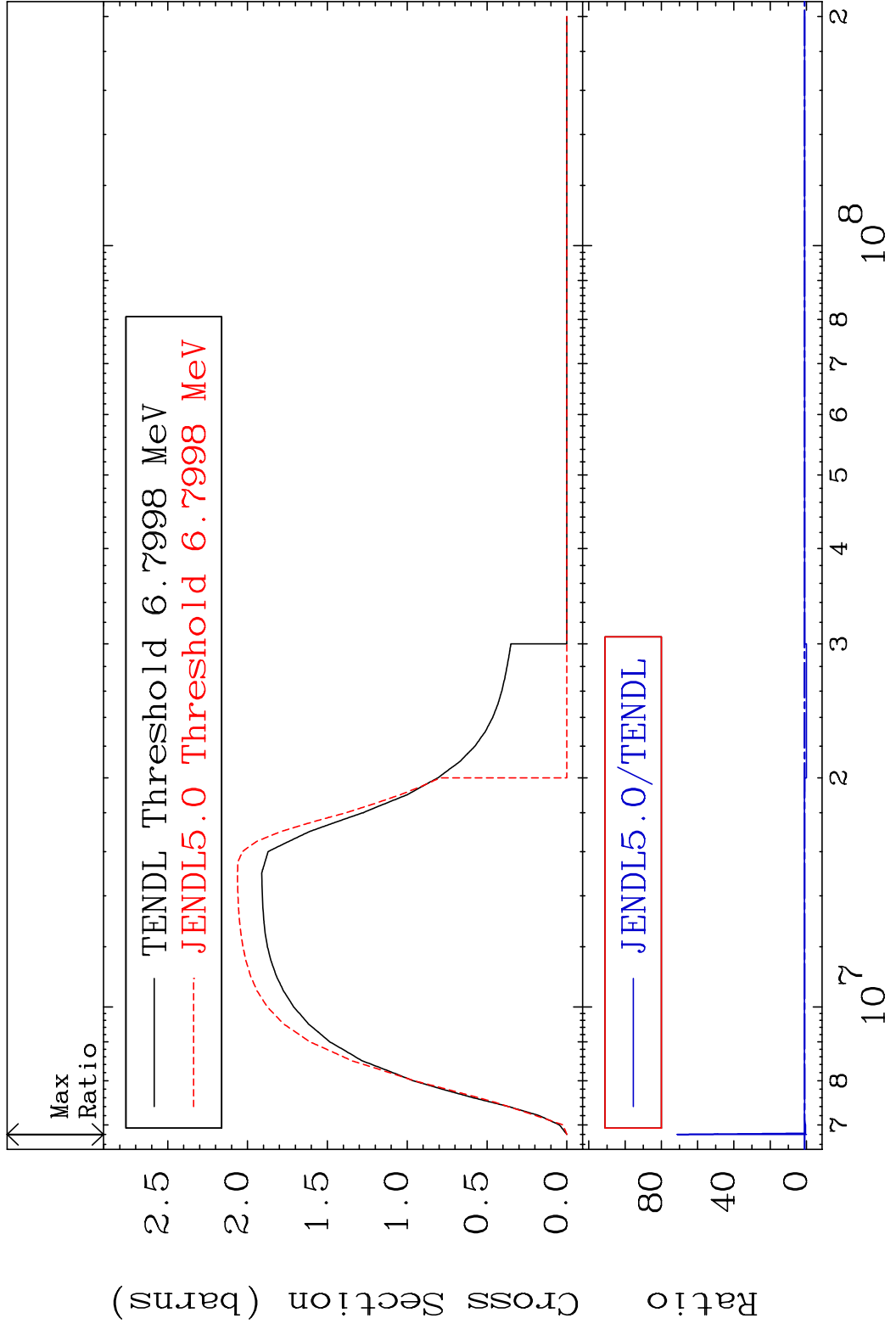


4

Incident Energy (eV)

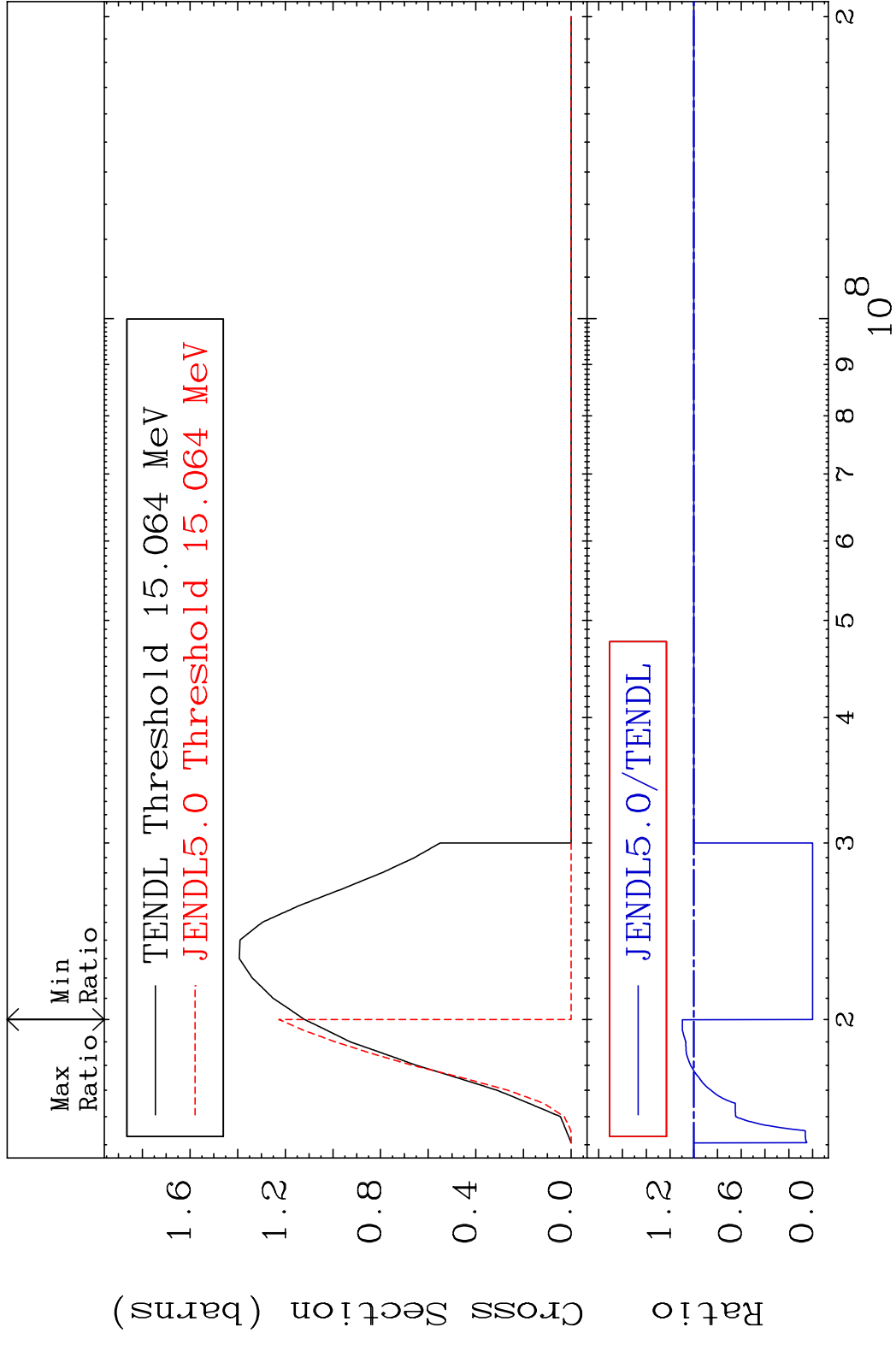
71-Lu-174

MAT 7122 (n,2n) 71-Lu-174  
 Cross Section -100.0 To 7027. %



5 Incident Energy (eV) 71-Lu-174

MAT 7122 (n,3n) 71-Lu-174  
 Cross Section -100.0 To 9.615 %

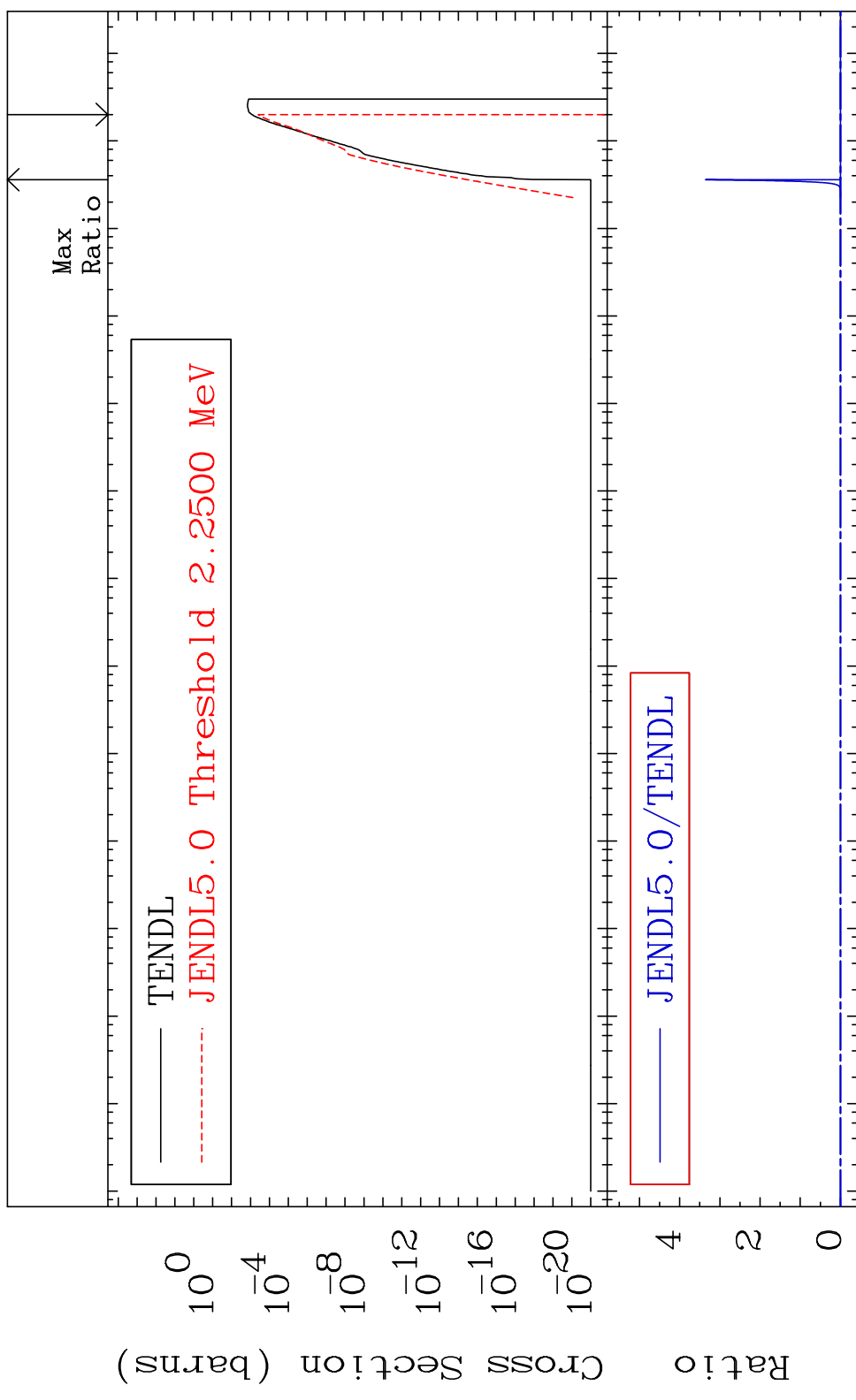


MAT 7122

(n, n')  $\alpha$

71-Lu-174

Cross Section -100.0 To 9999. %



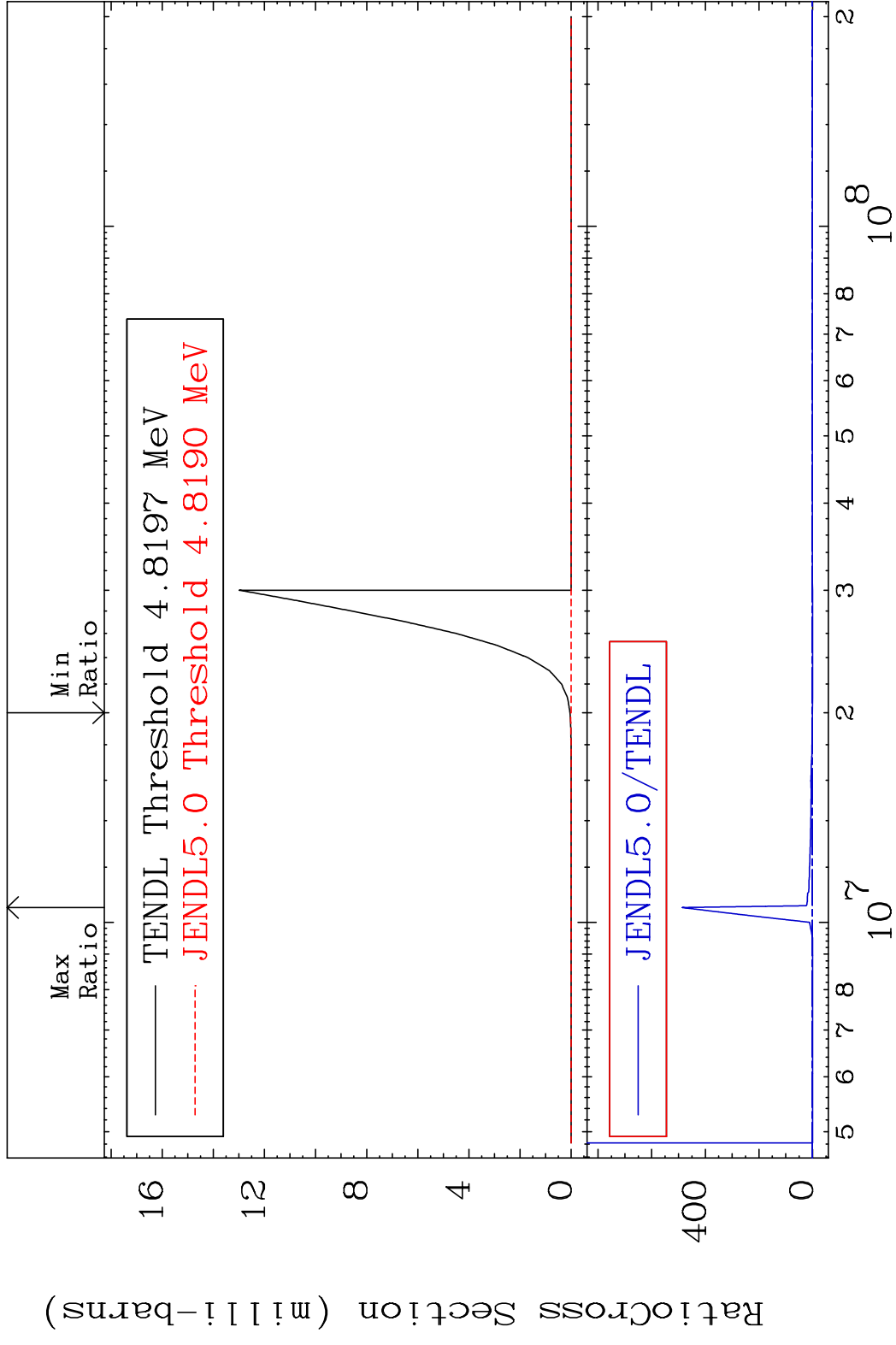
7

Incident Energy (eV)

71-Lu-174



MAT 7122 (n,2n)  $\alpha$  71-Lu-174  
 Cross Section -100.0 To 9999. %

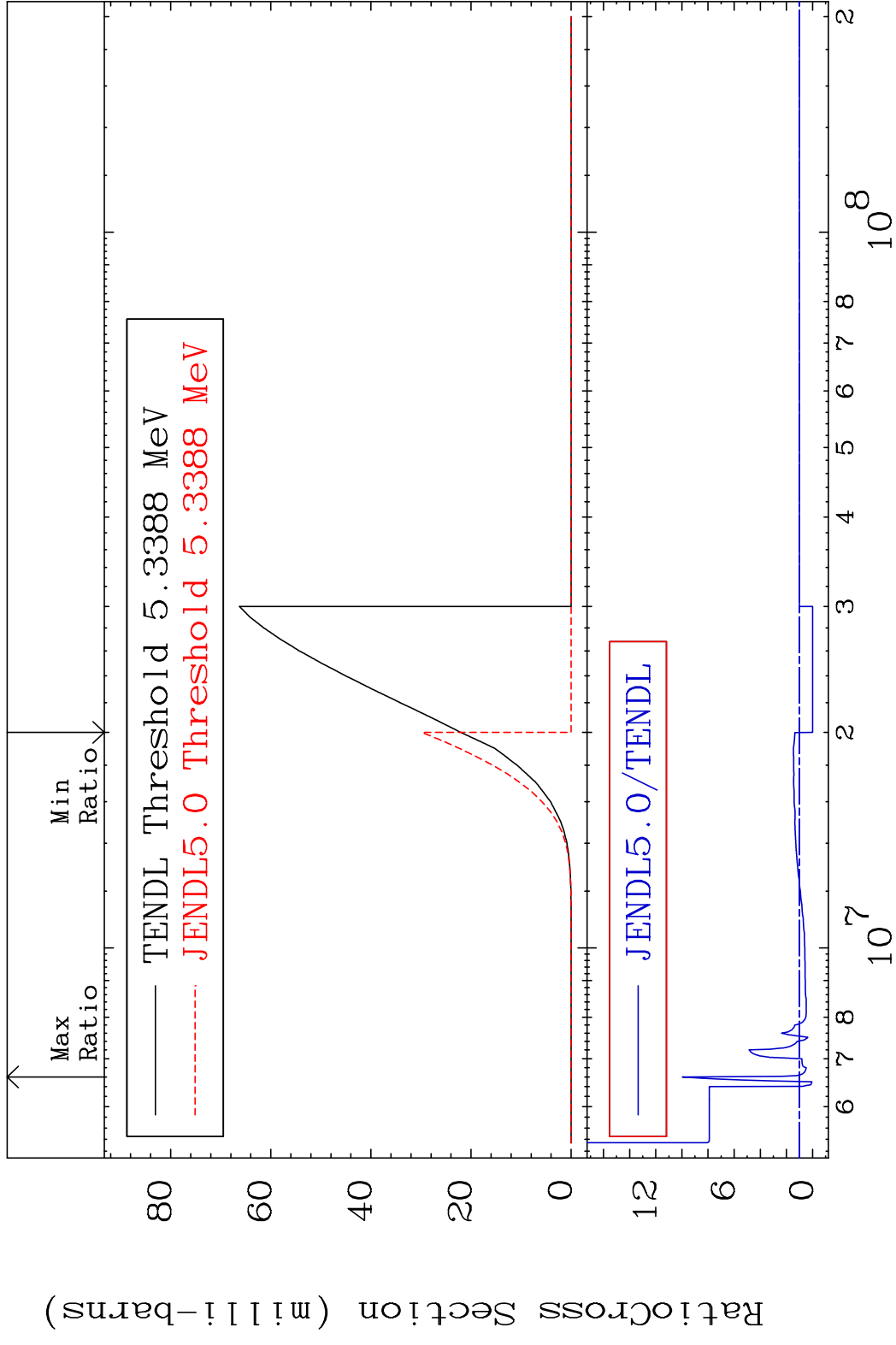


8 Incident Energy (eV) 71-Lu-174

MAT 7122

(n, n') p 71-Lu-174

Cross Section -100.0 To 896.6 %

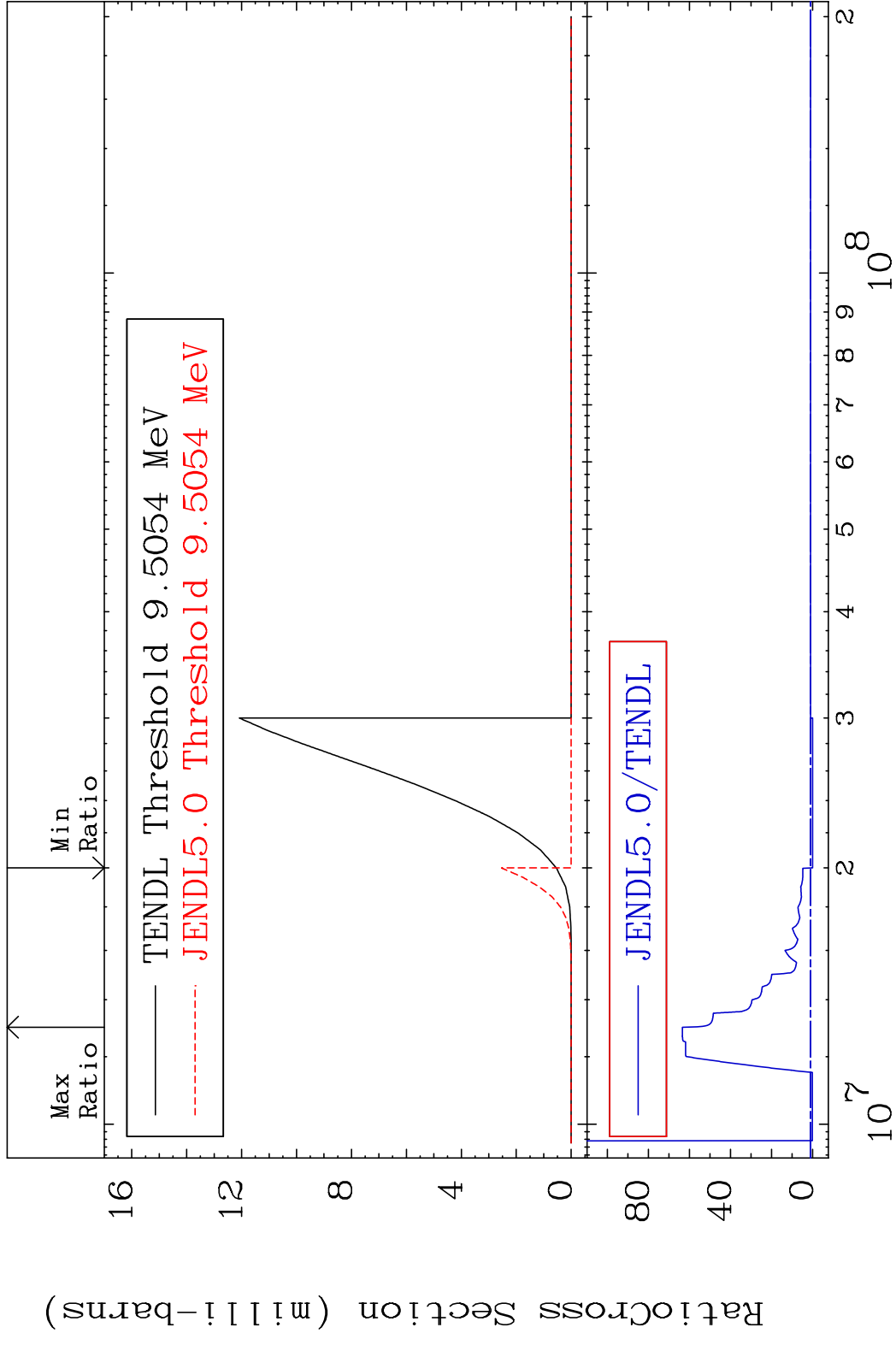


MAT 7122

(n, n') d

71-Lu-174

Cross Section -100.0 To 6245. %

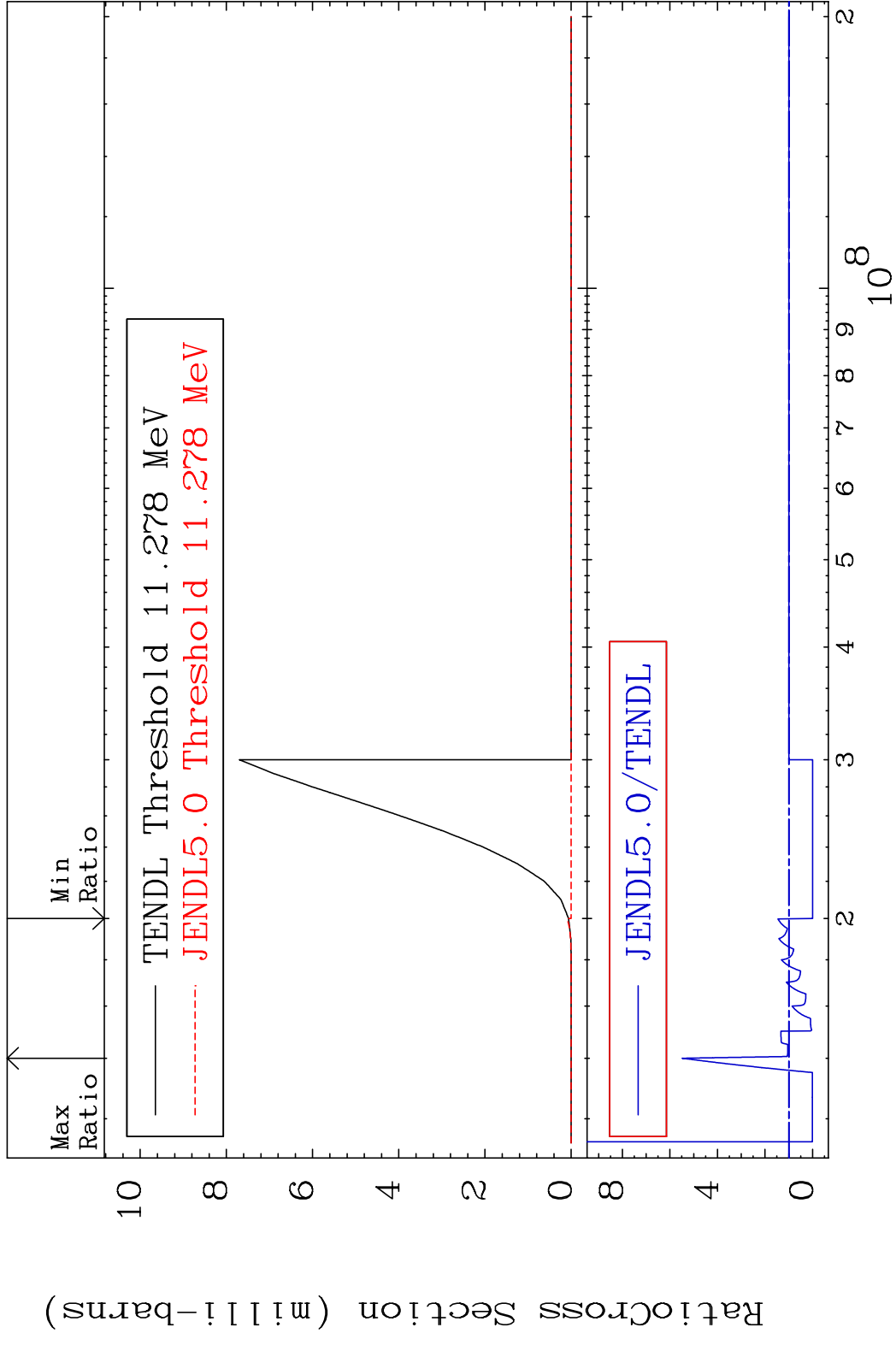


10

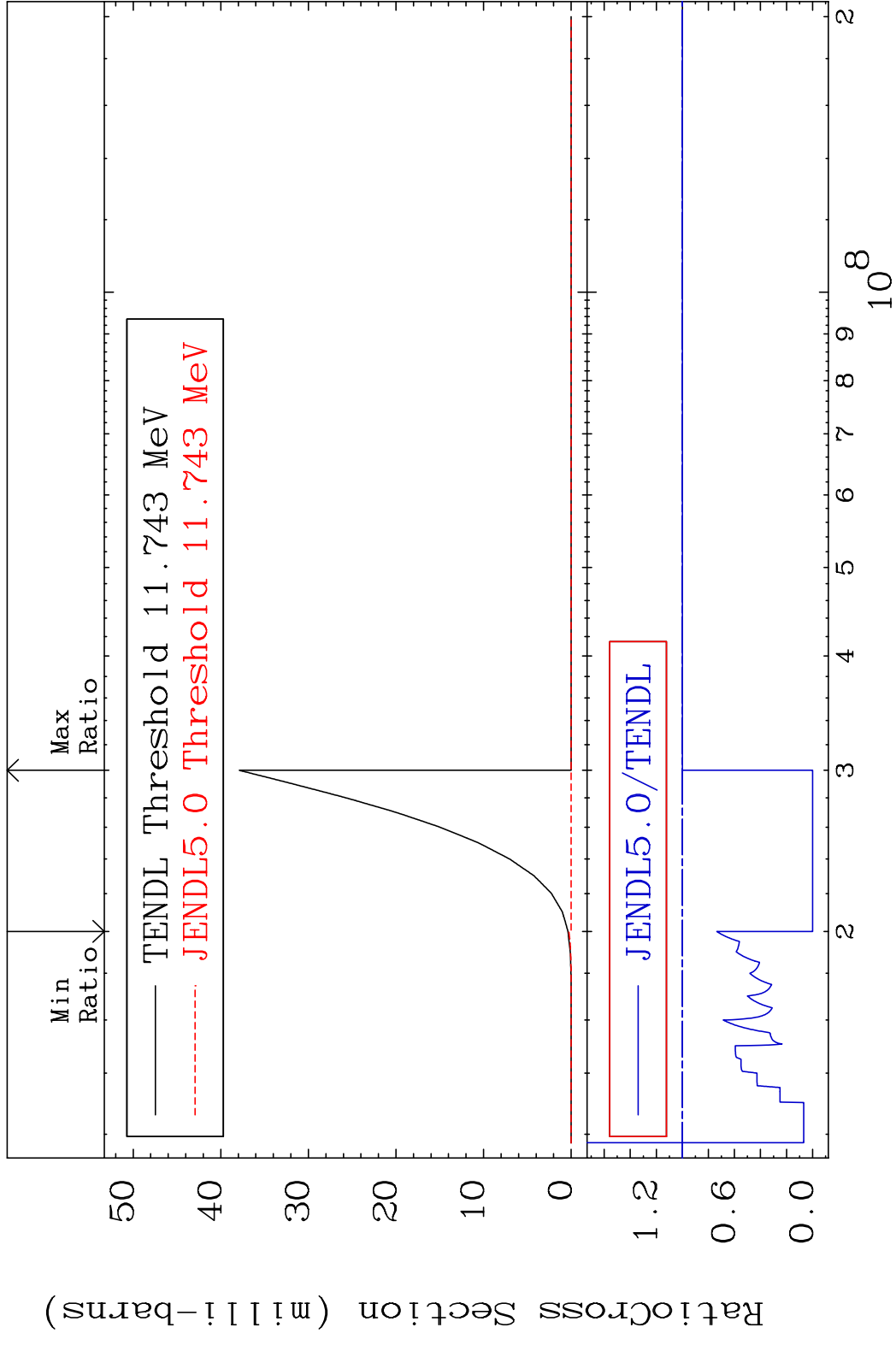
Incident Energy (eV)

71-Lu-174

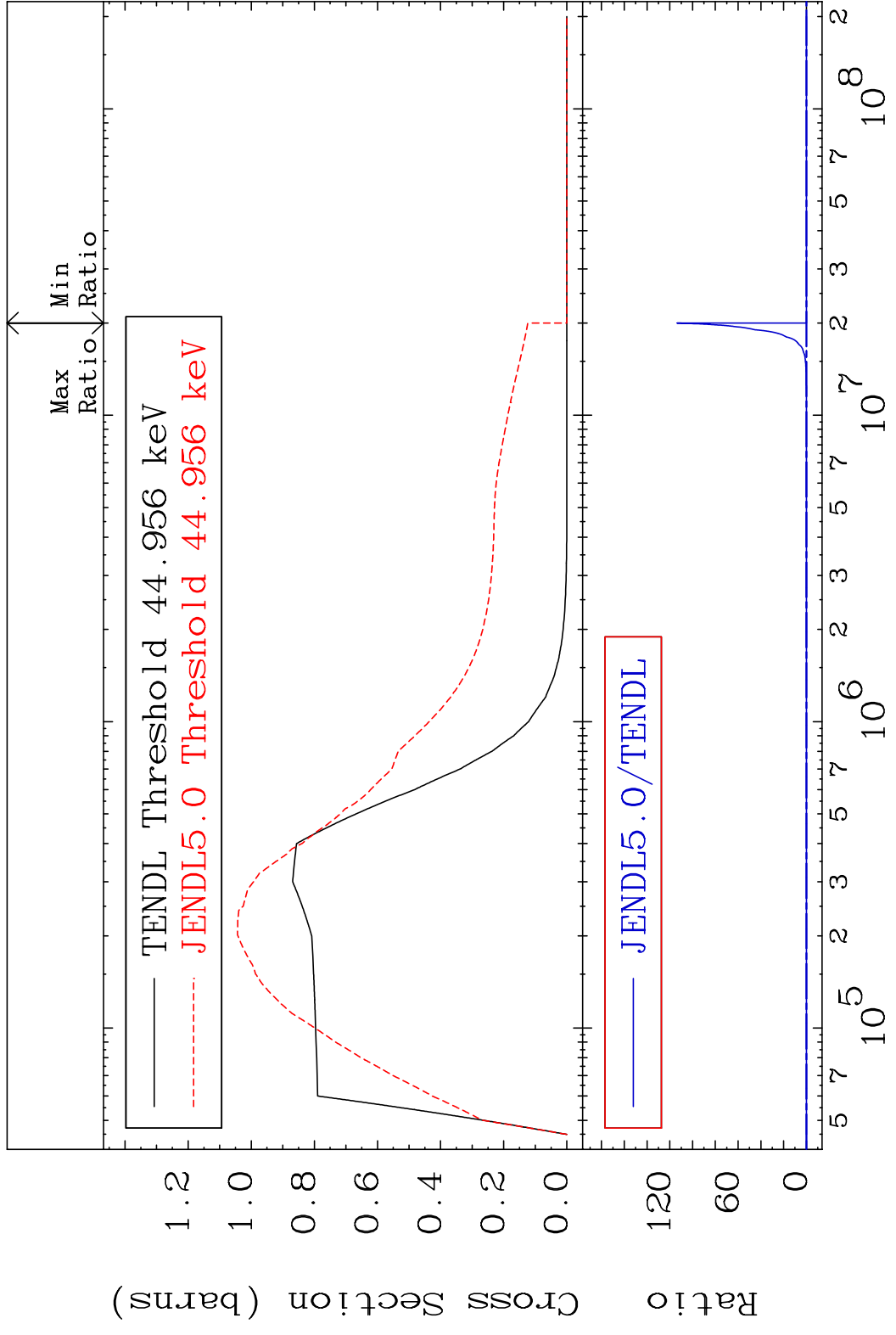
MAT 7122 (n, n') t 71-Lu-174  
 Cross Section -100.0 To 447.6 %



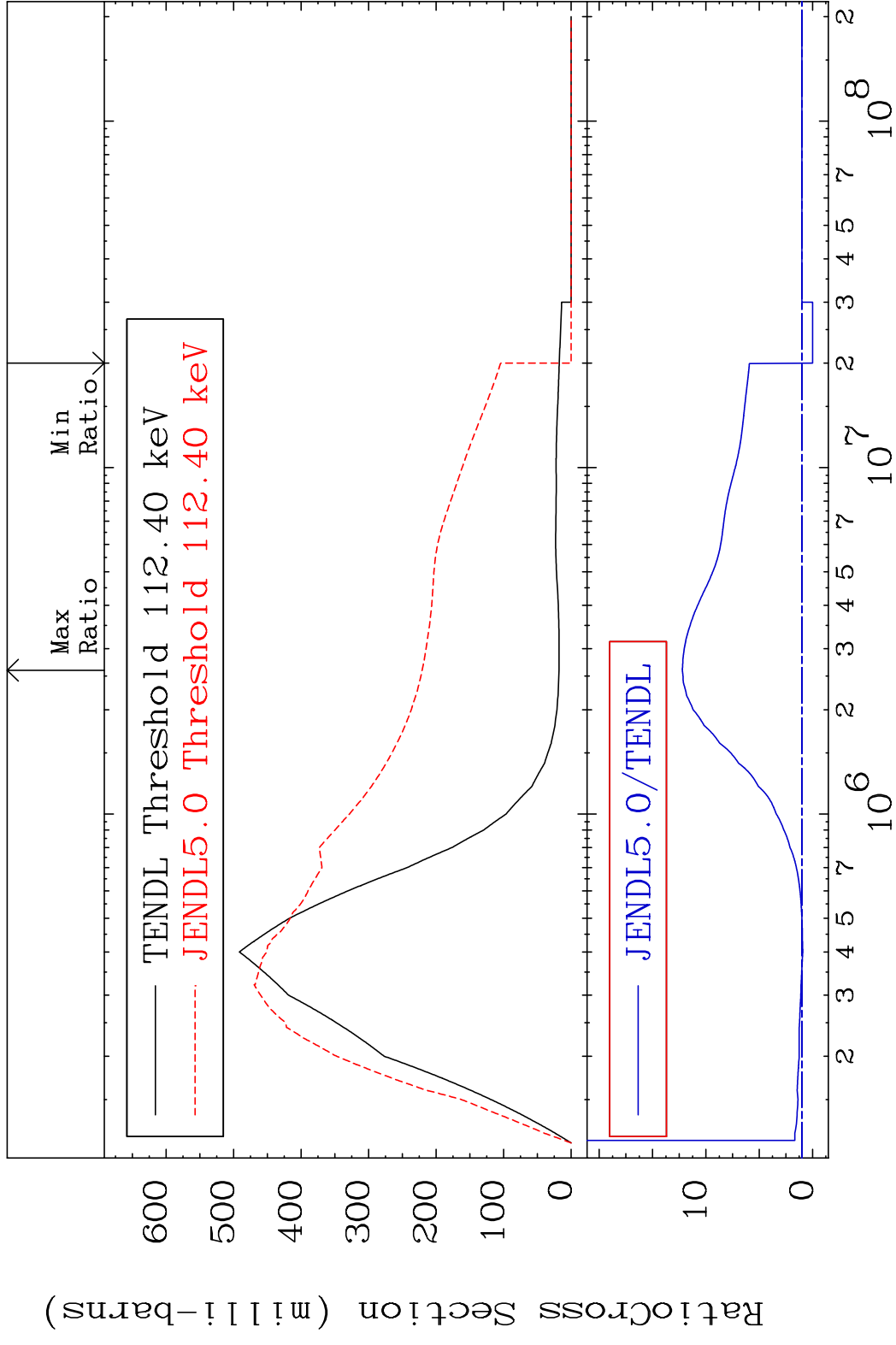
MAT 7122 (n,2n) p 71-Lu-174  
 Cross Section -100.0 To 0.000 %



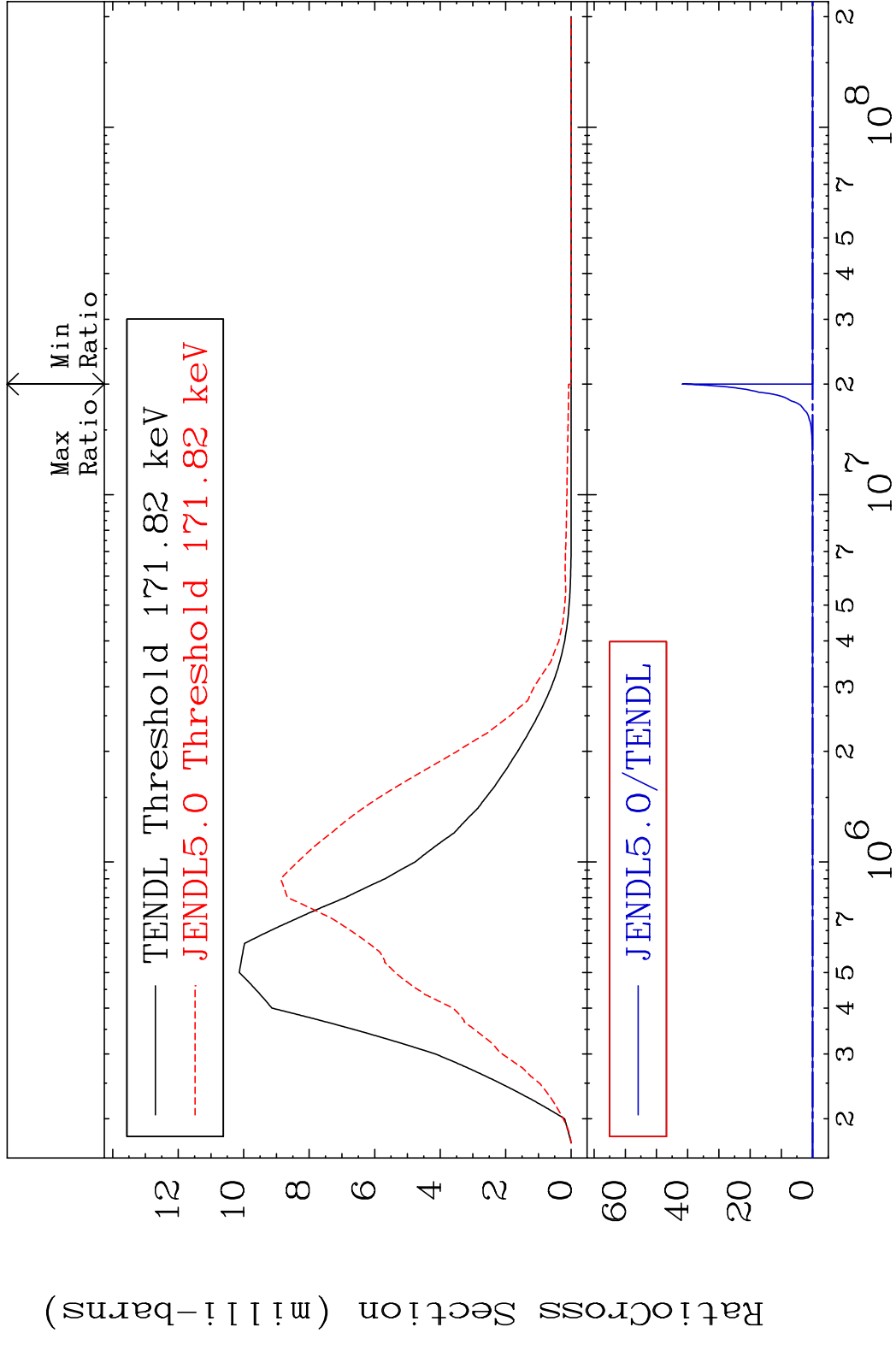
MAT 7122 MT= 51 (n,n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



MAT 7122 MT= 52 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 1121. %

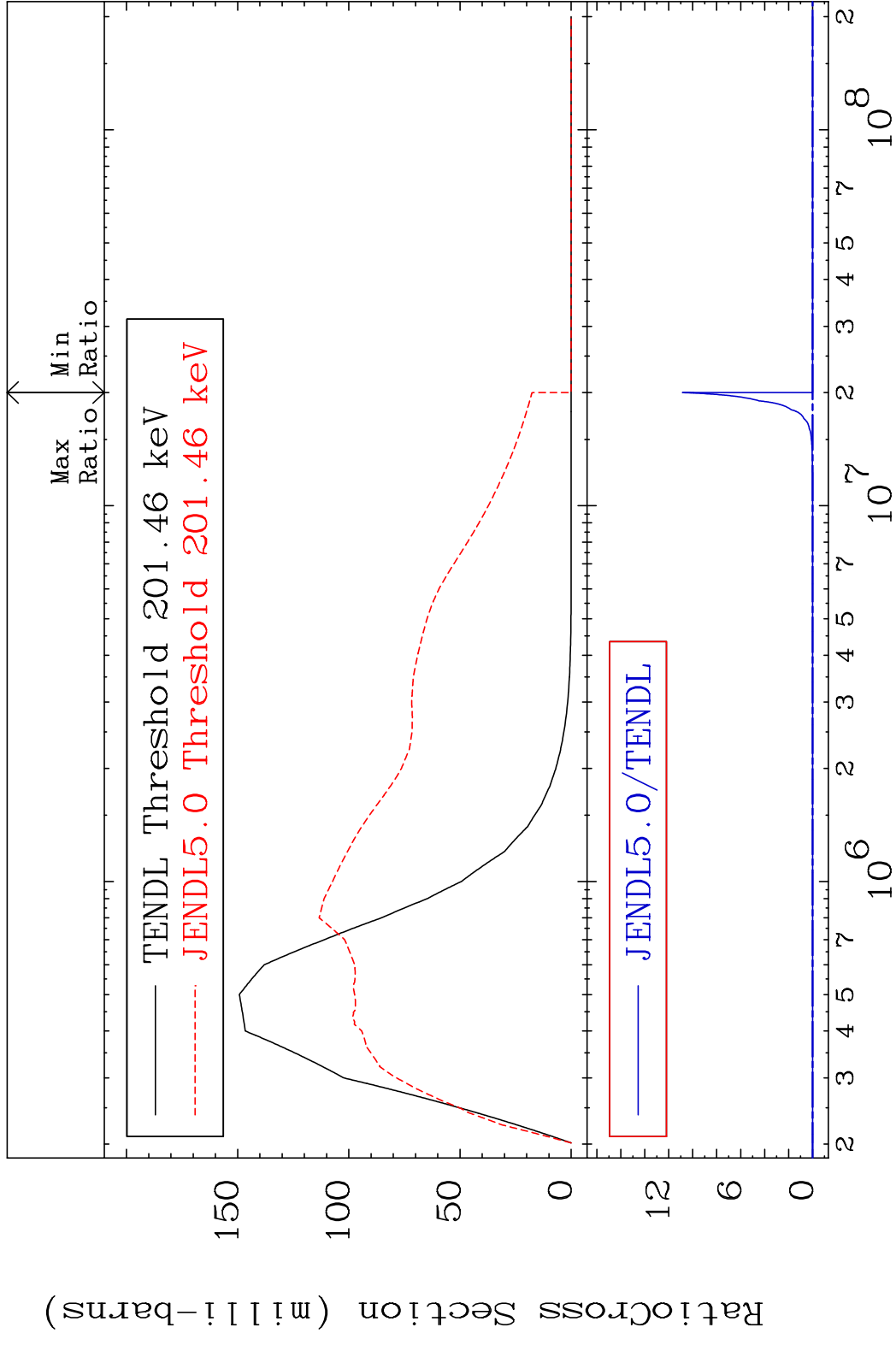


MAT 7122 MT= 53 (n,n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



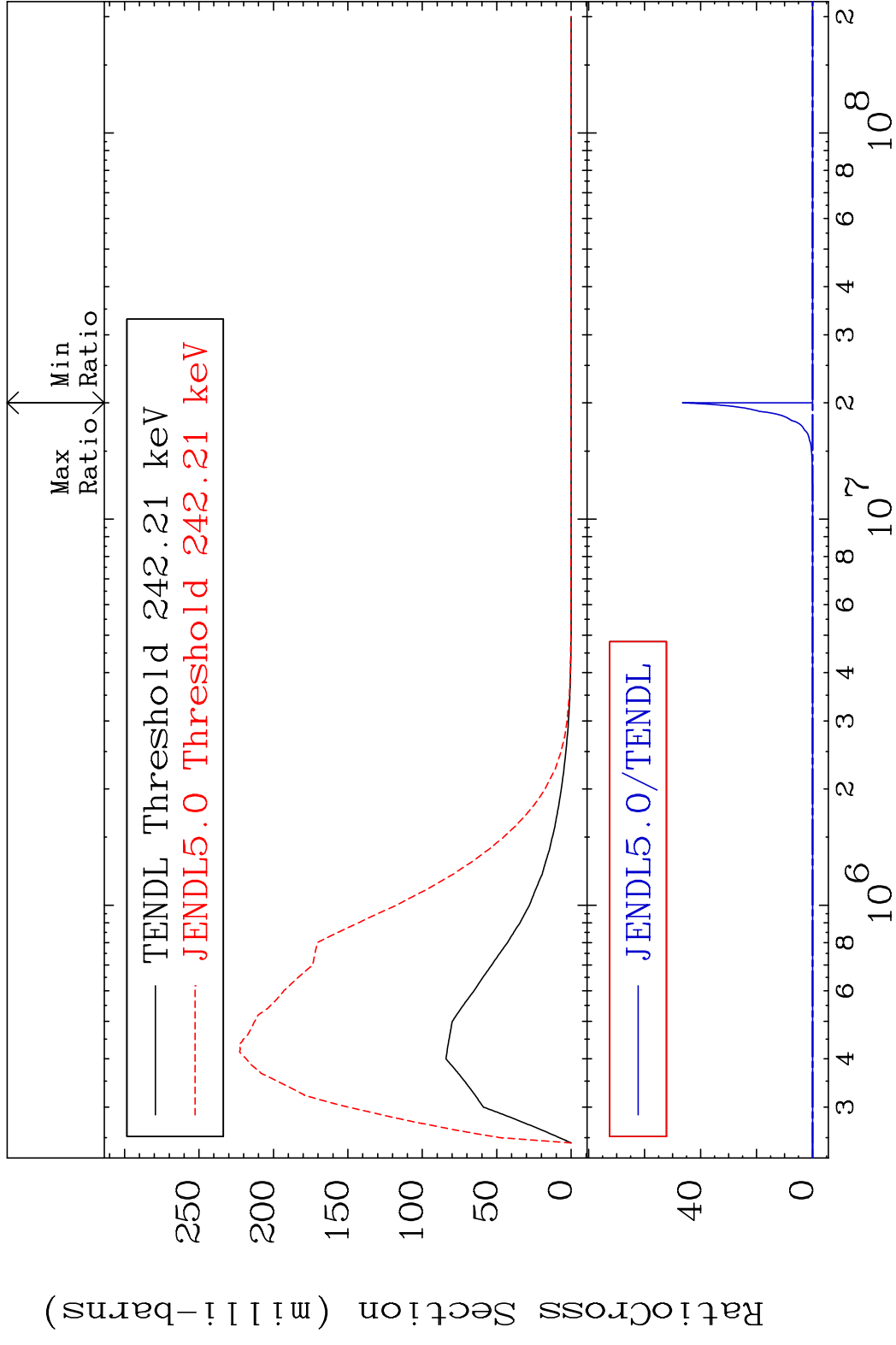


MAT 7122 MT= 54 (n,n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %

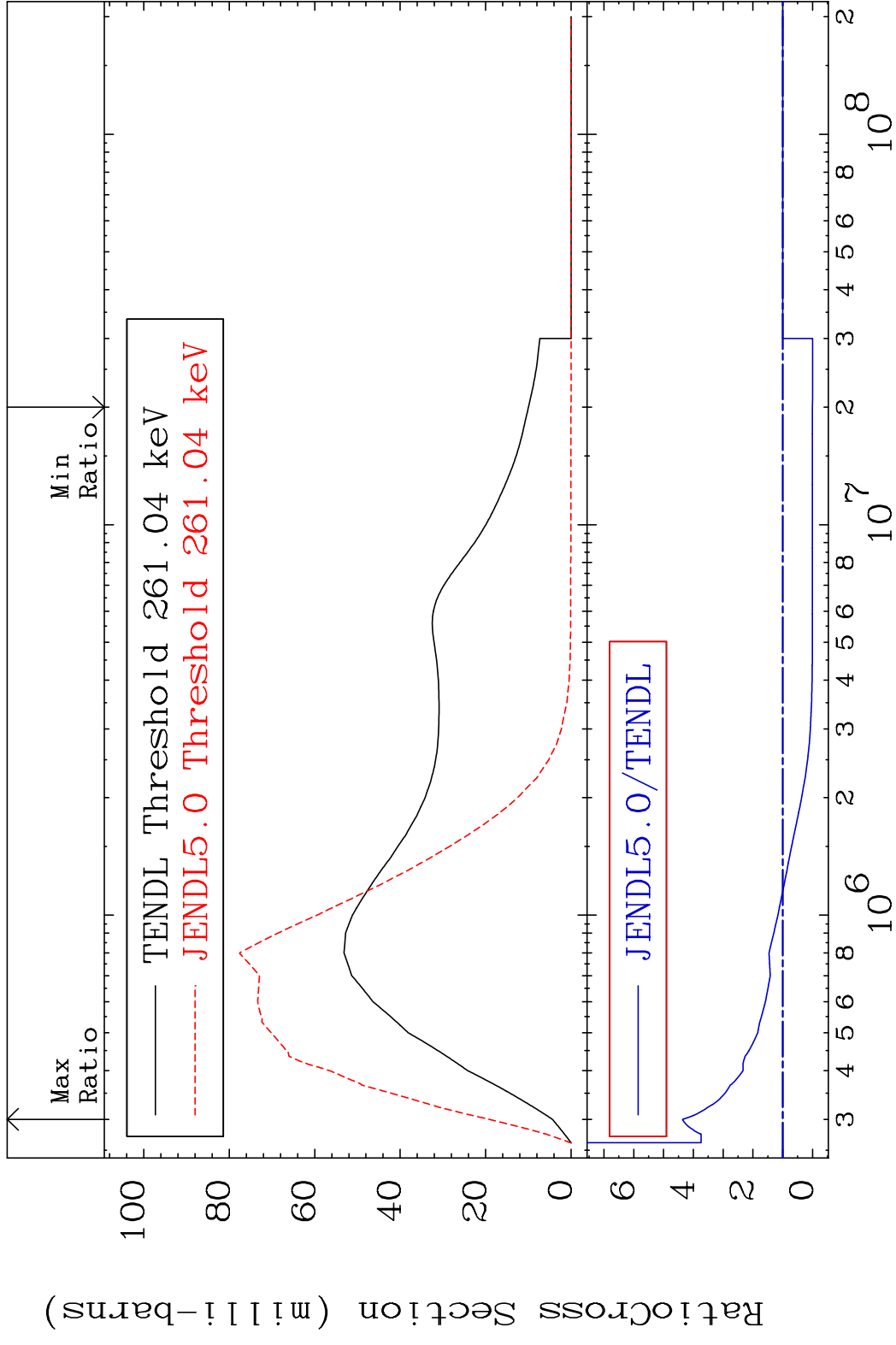


16 Incident Energy (eV) 71-Lu-174

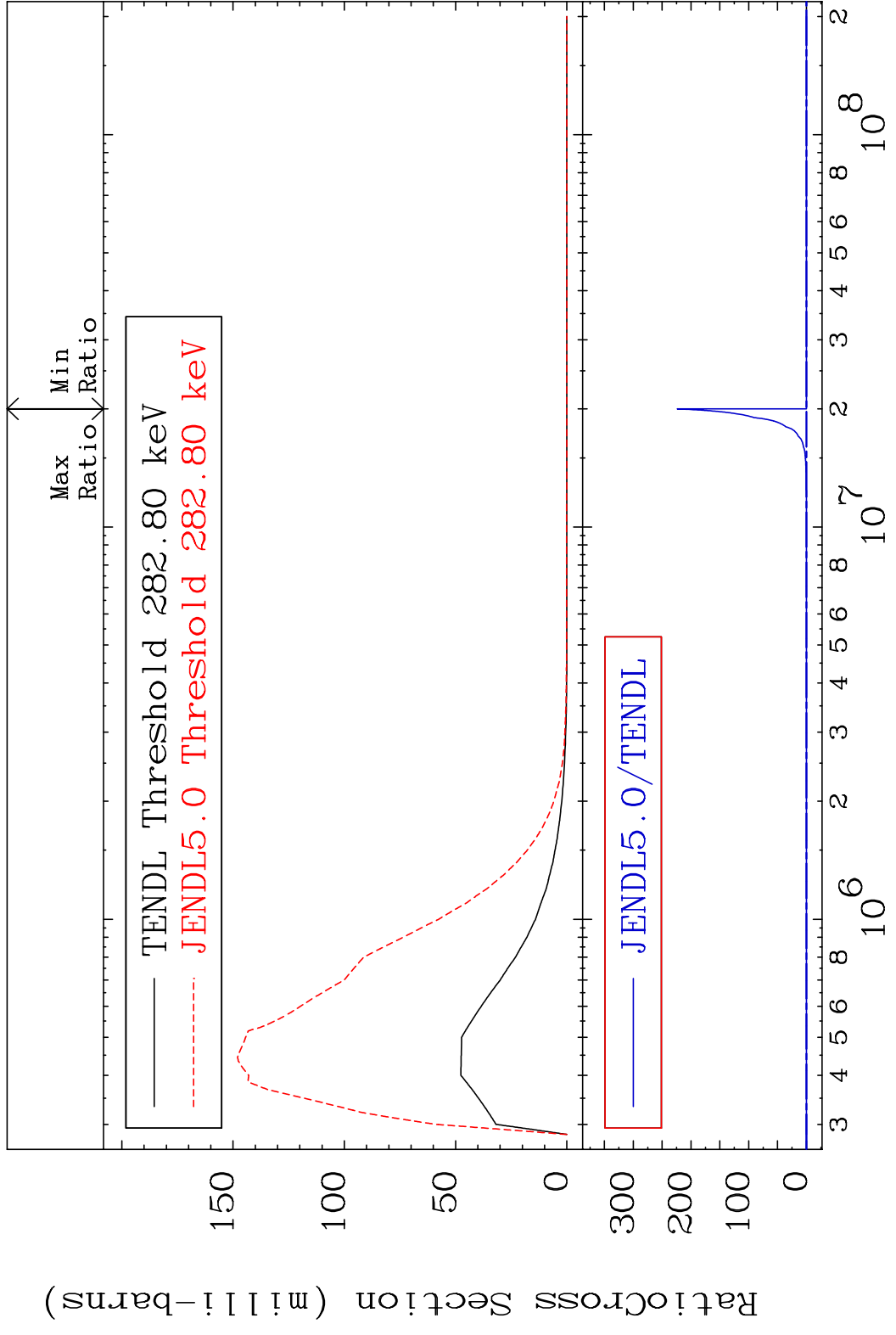
MAT 7122 MT= 55 (n,n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



MAT 7122 MT= 56 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 336.9 %

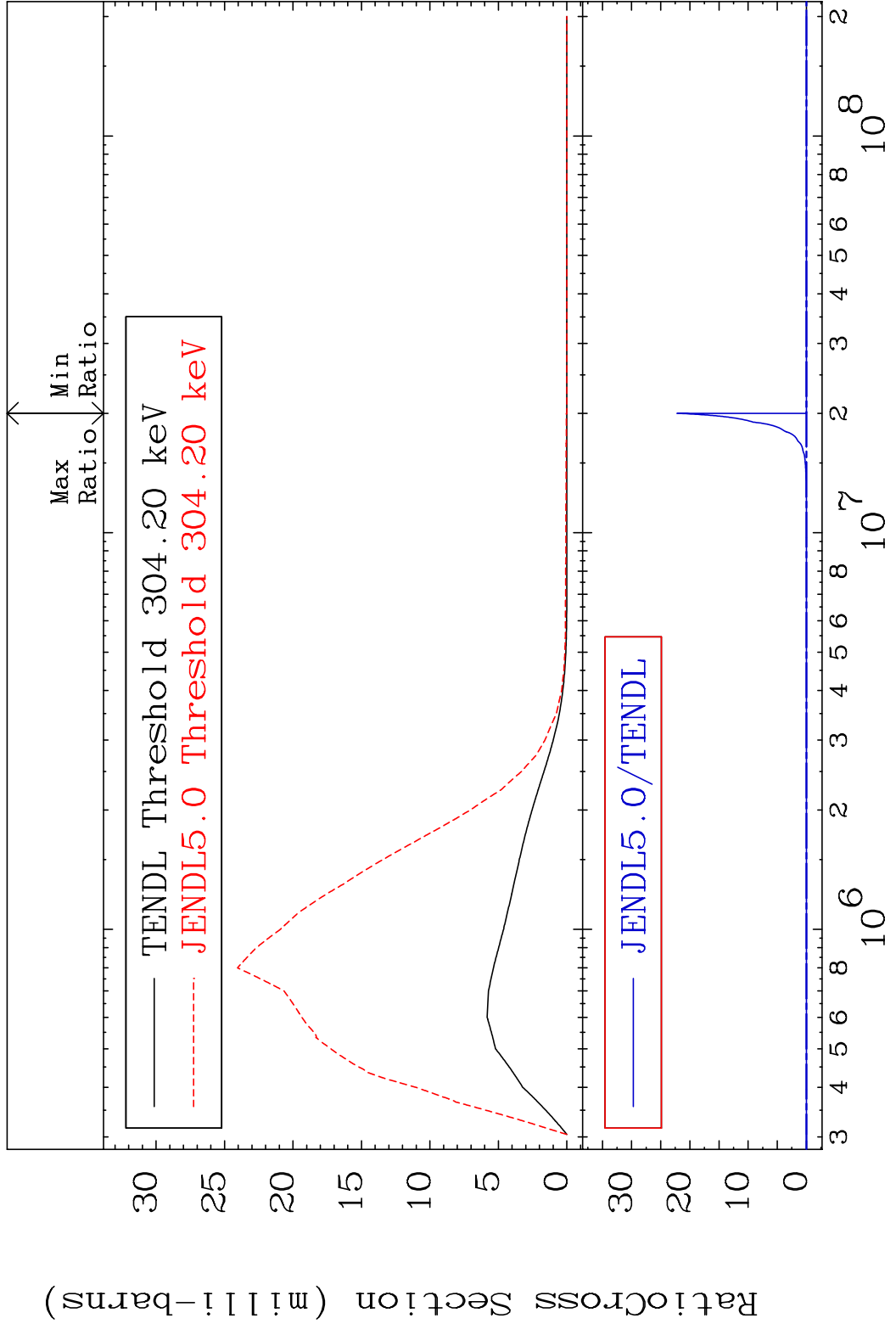


MAT 7122 MT= 57 (n,n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



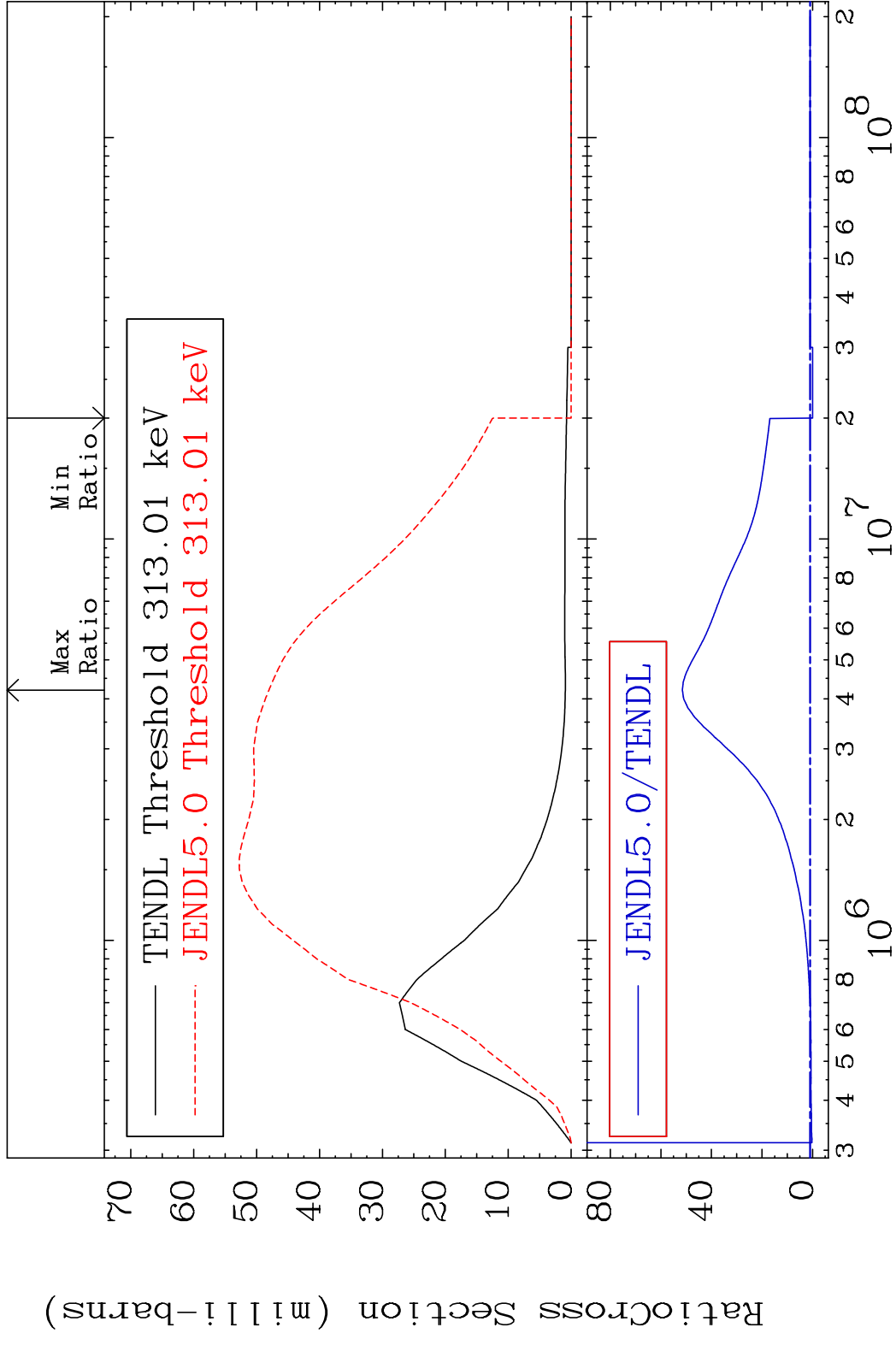
19 Incident Energy (eV) 71-Lu-174

MAT 7122 MT= 58 (n,n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %

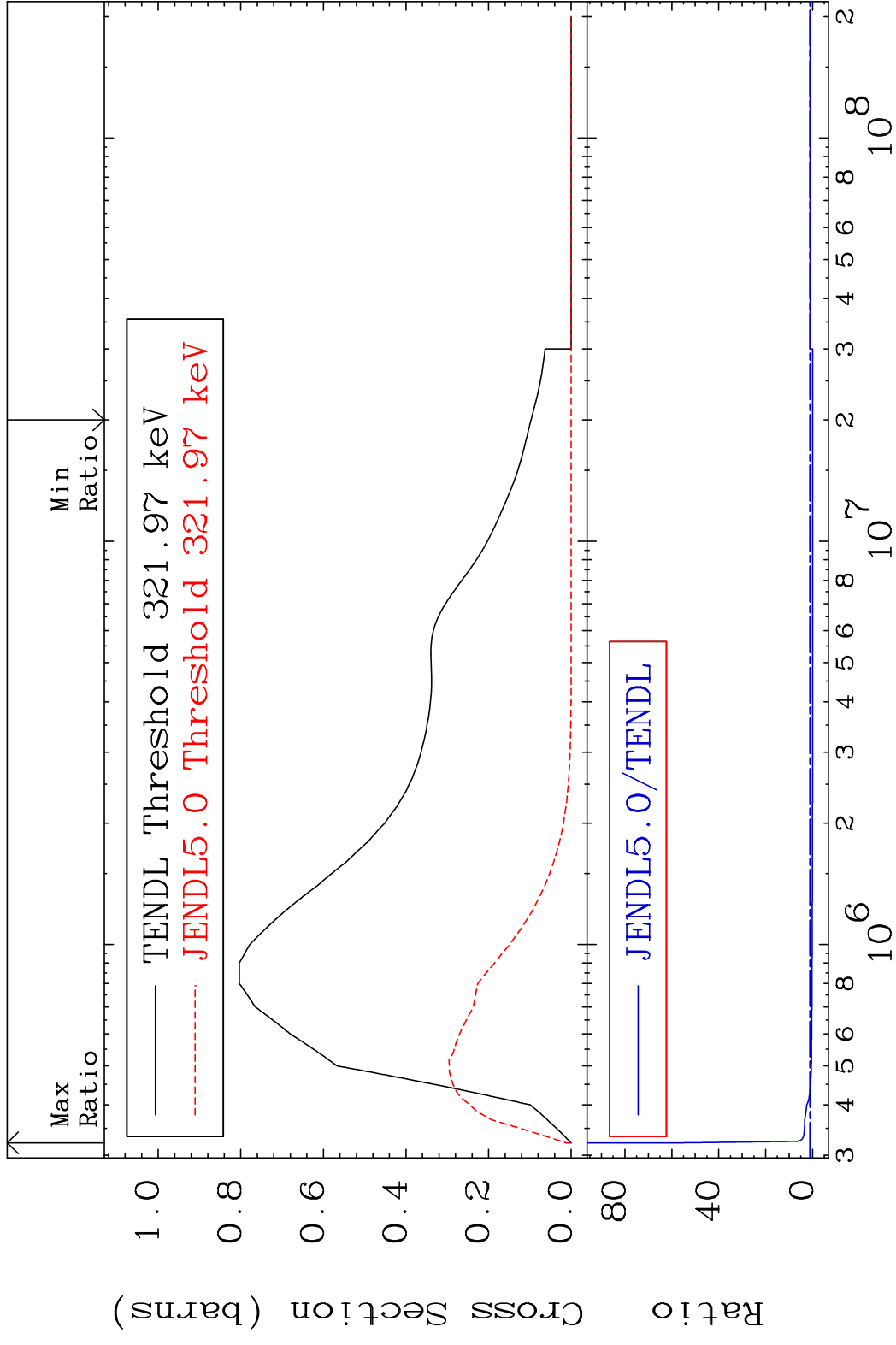


20 Incident Energy (eV) 71-Lu-174

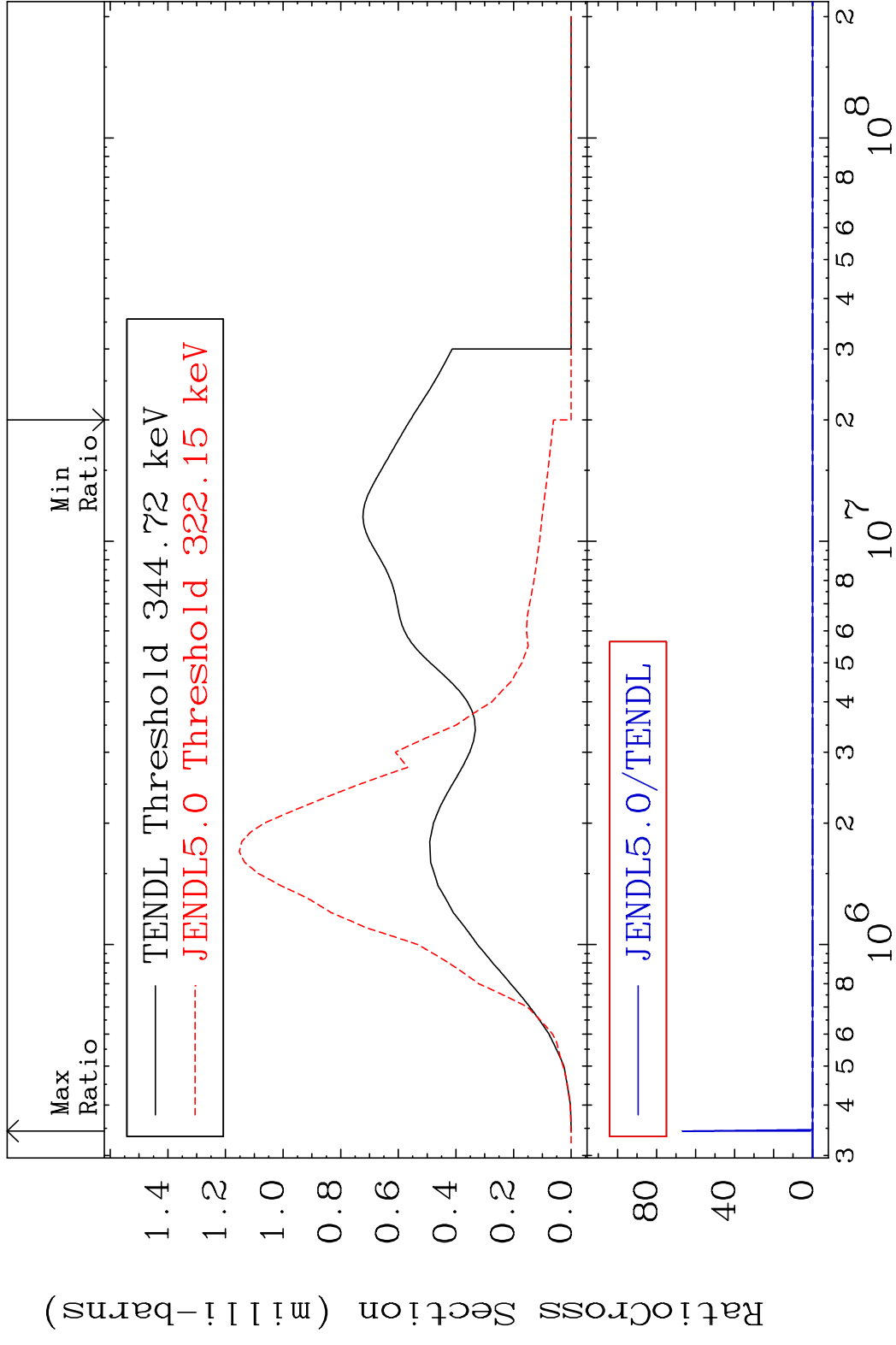
MAT 7122 MT= 59 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 5051. %



MAT 7122 MT= 60 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 5451. %

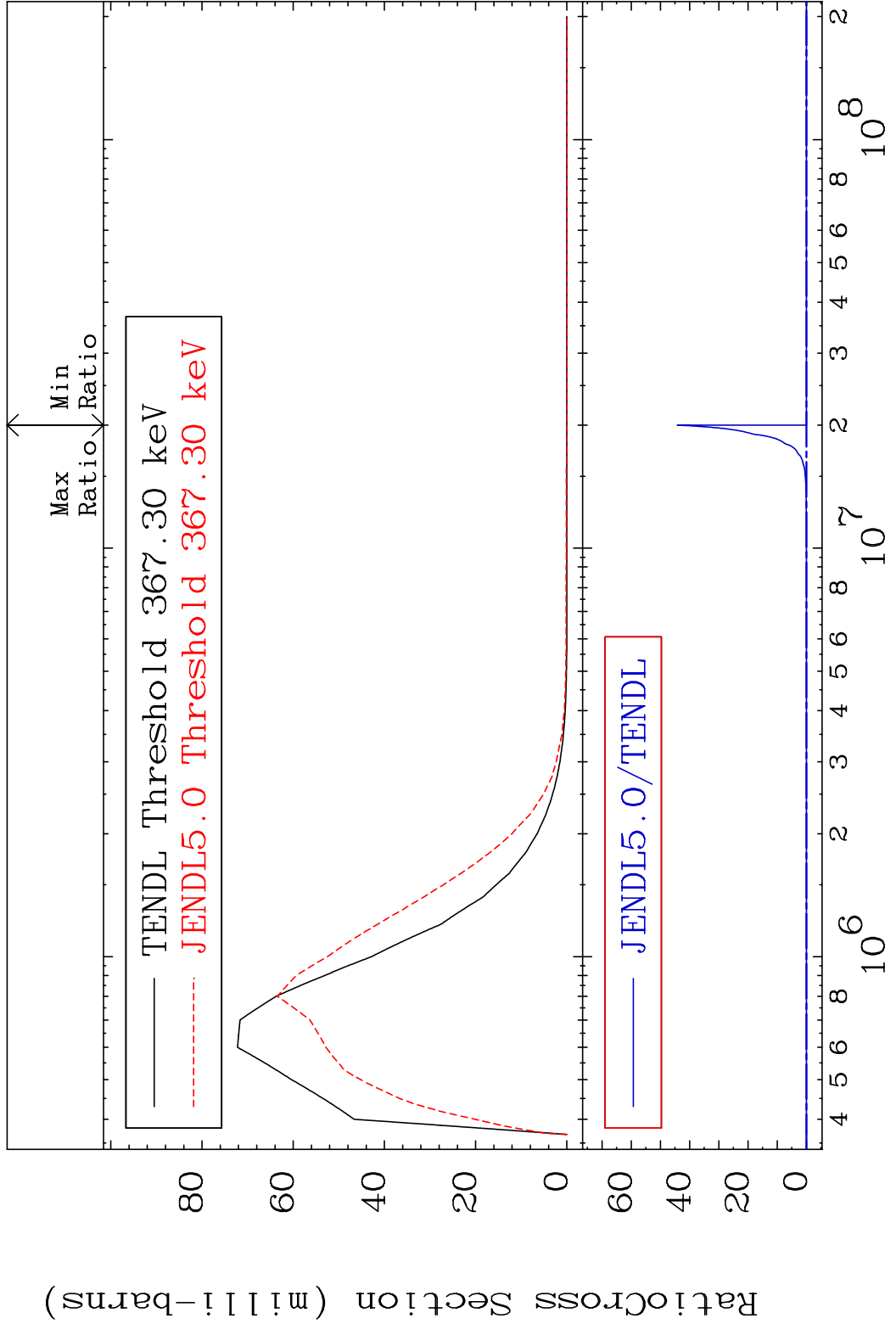


MAT 7122 MT= 61 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



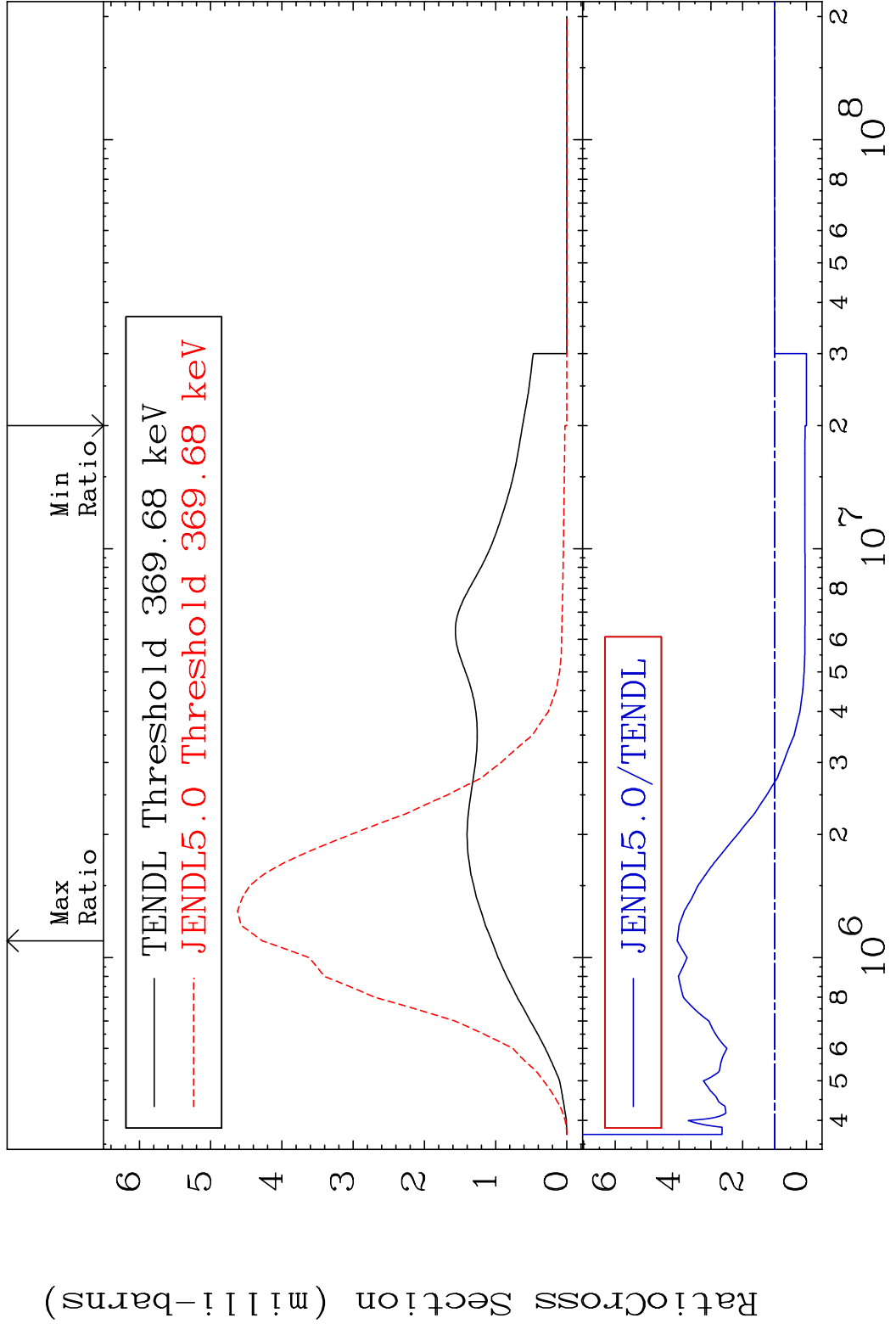


MAT 7122 MT= 62 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %

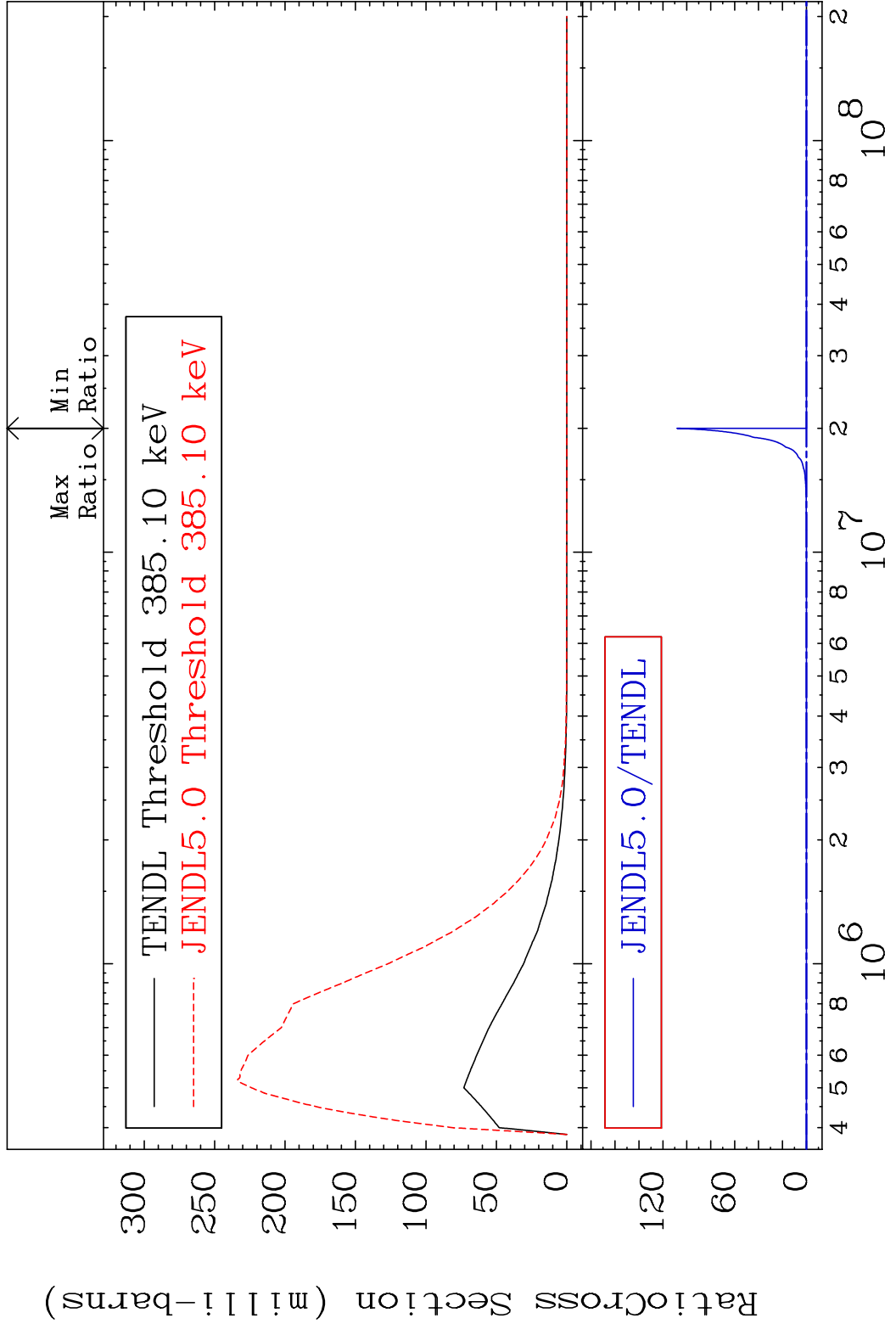


24 Incident Energy (eV) 71-Lu-174

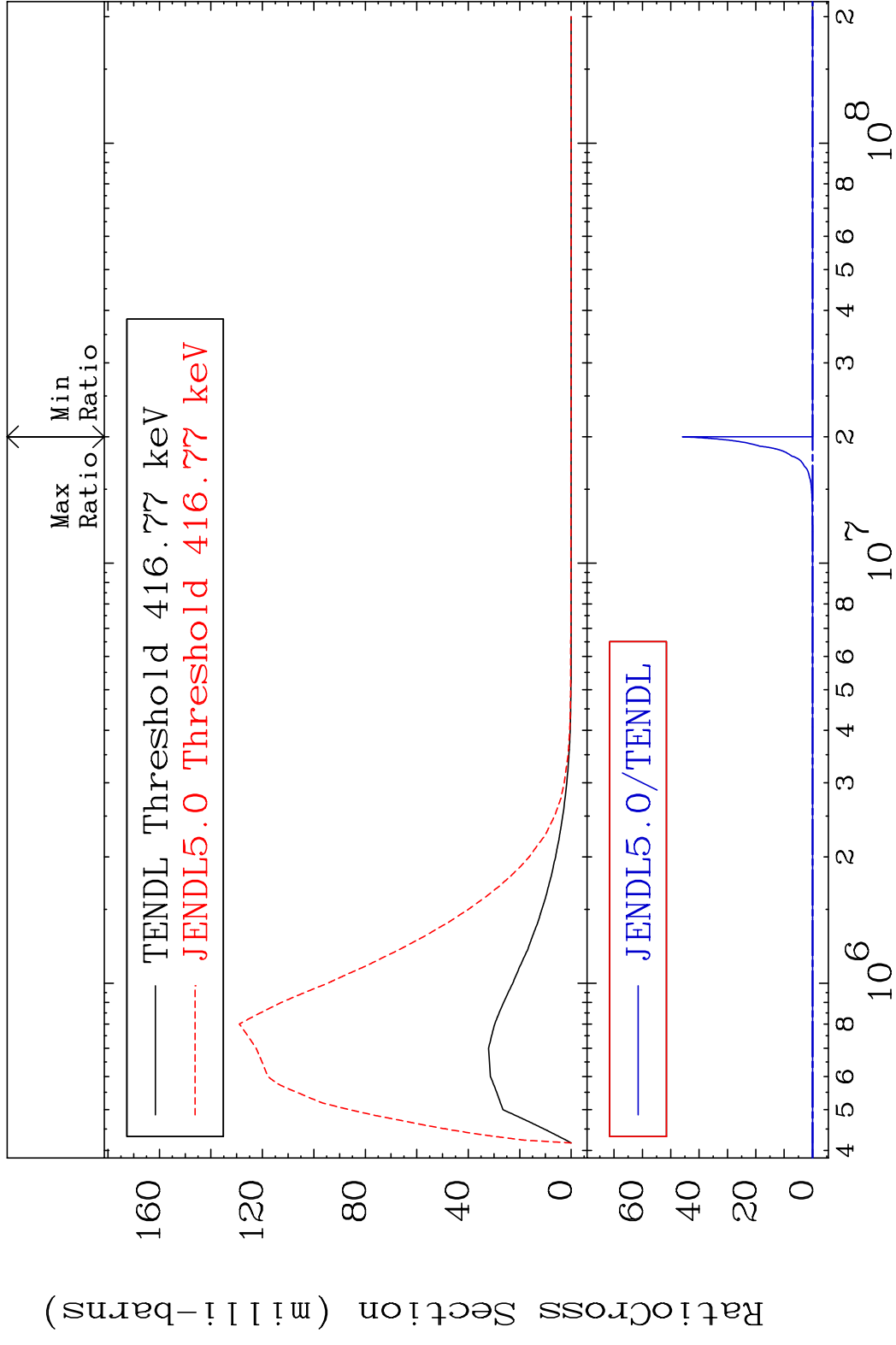
MAT 7122 MT= 63 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 305.7 %



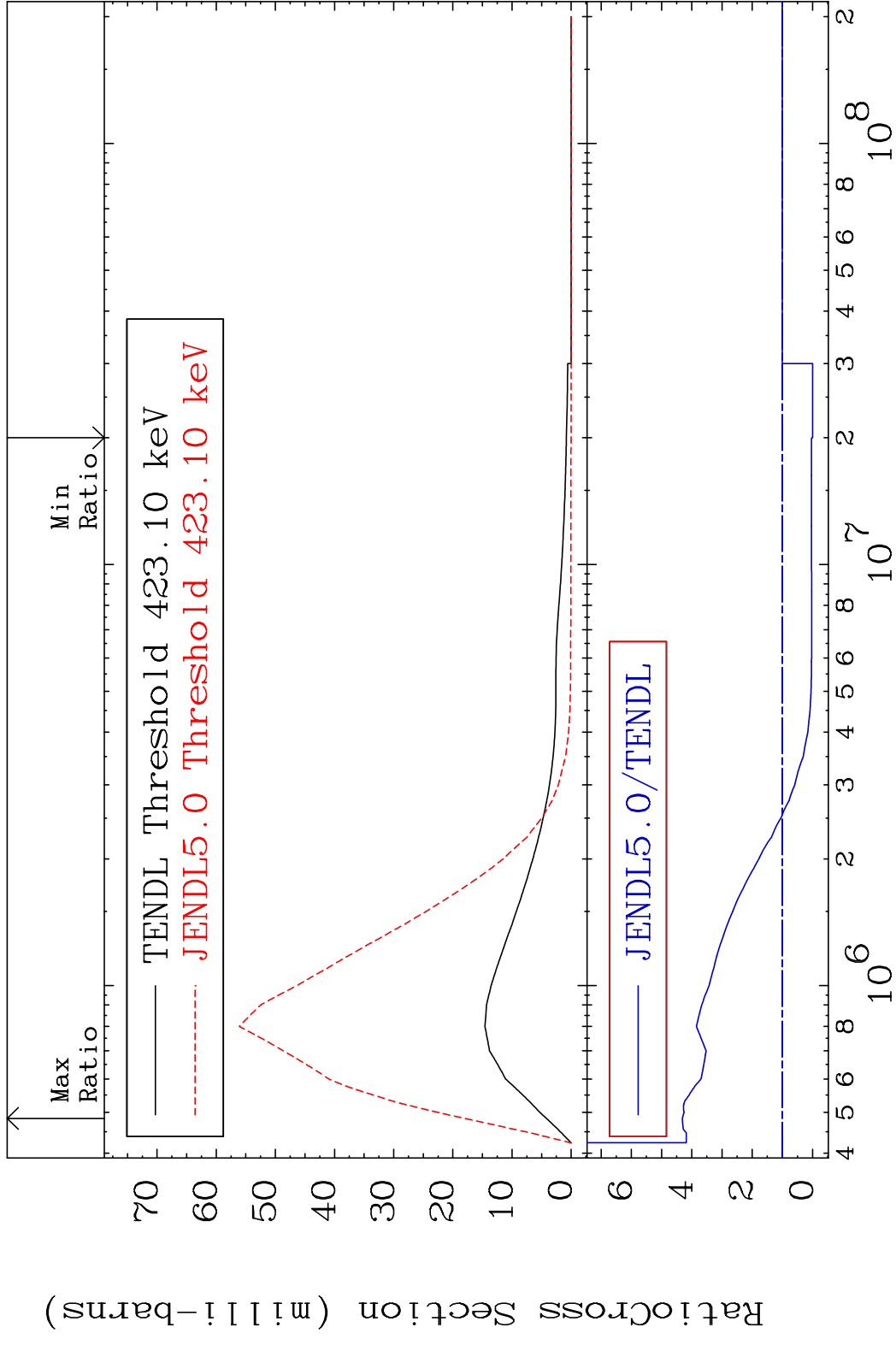
MAT 7122 MT= 64 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



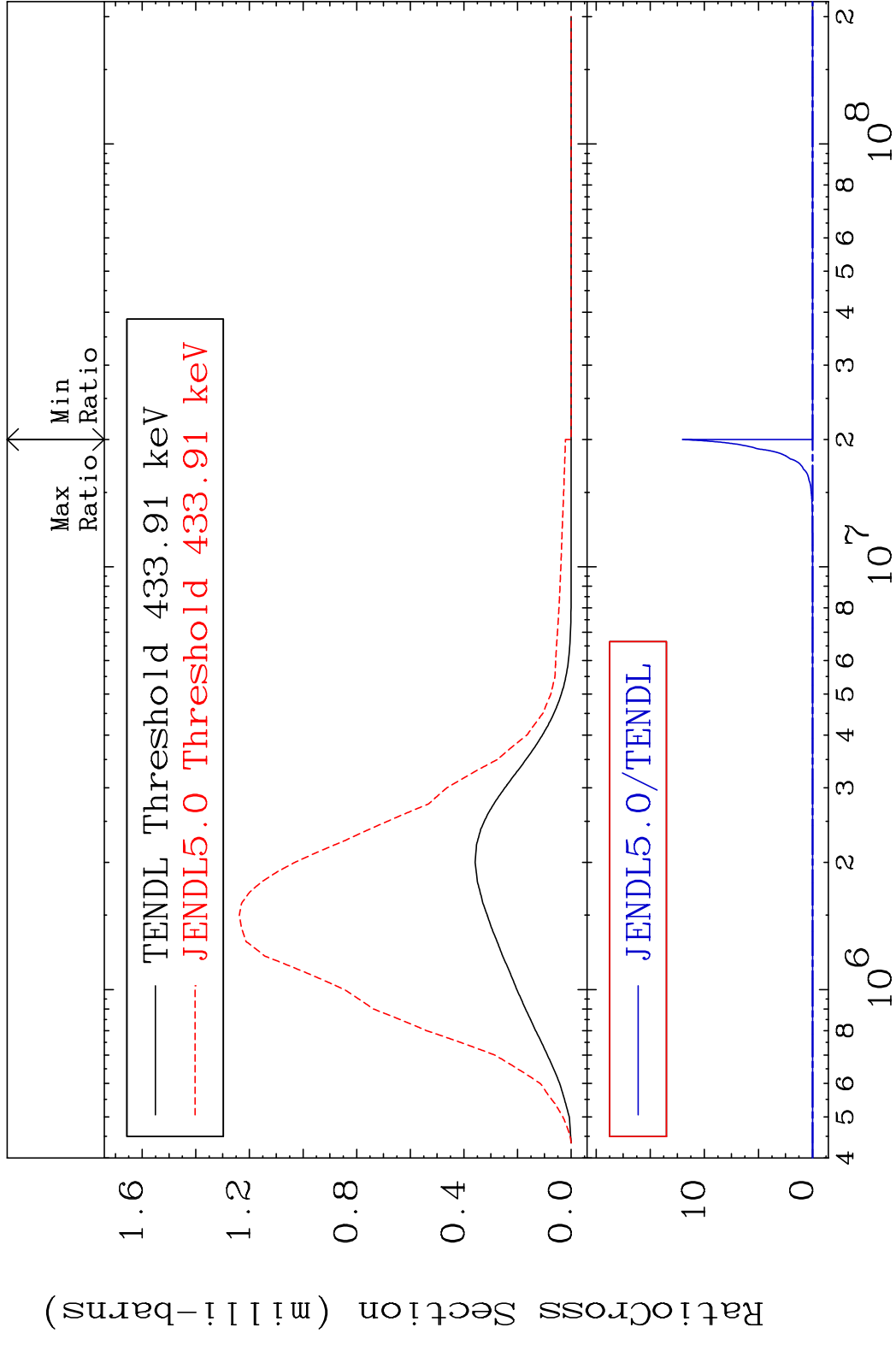
MAT 7122 MT= 65 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



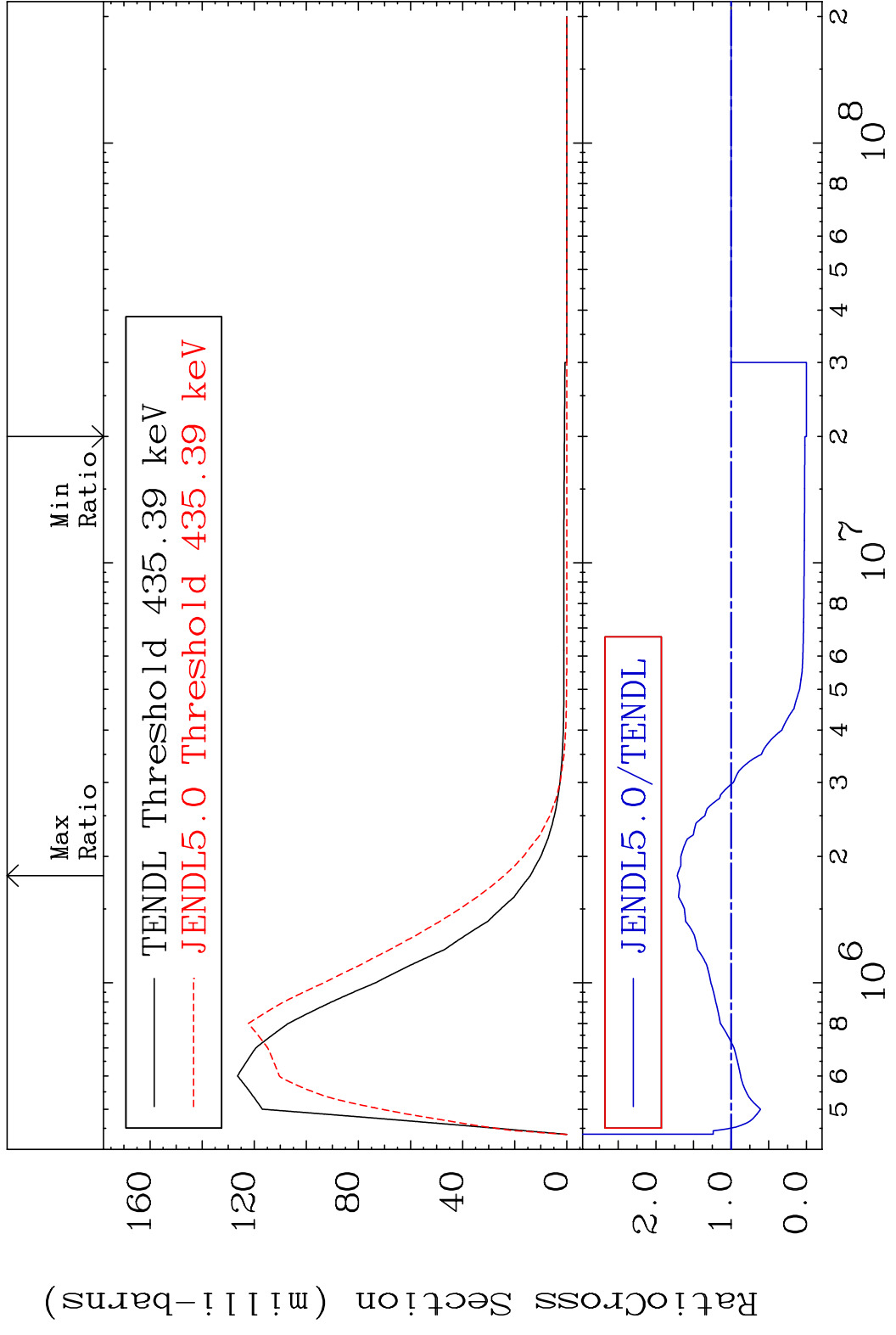
MAT 7122 MT= 66 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 331.2 %



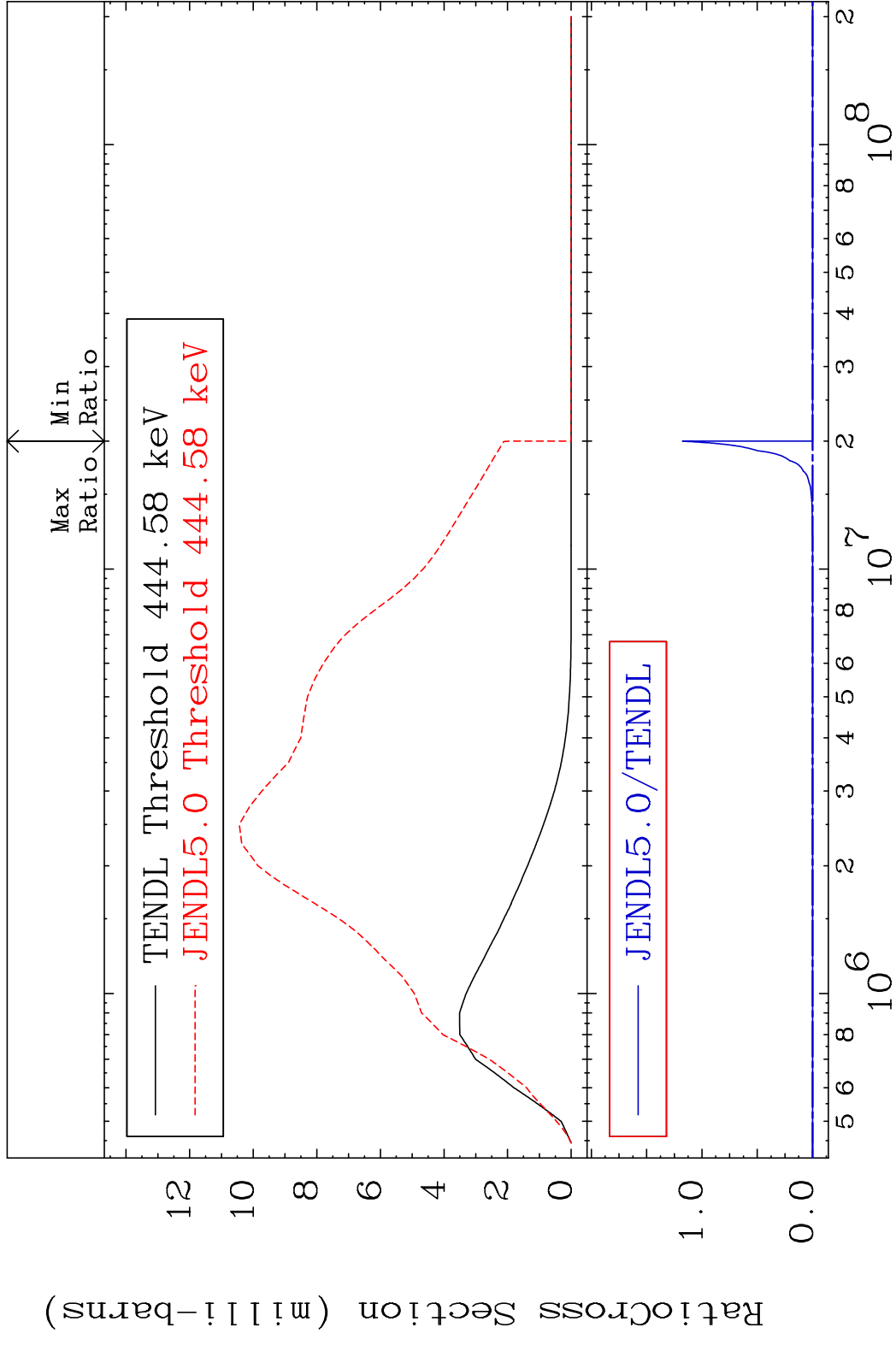
MAT 7122 MT= 67 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



MAT 7122 MT= 68 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 71.67 %

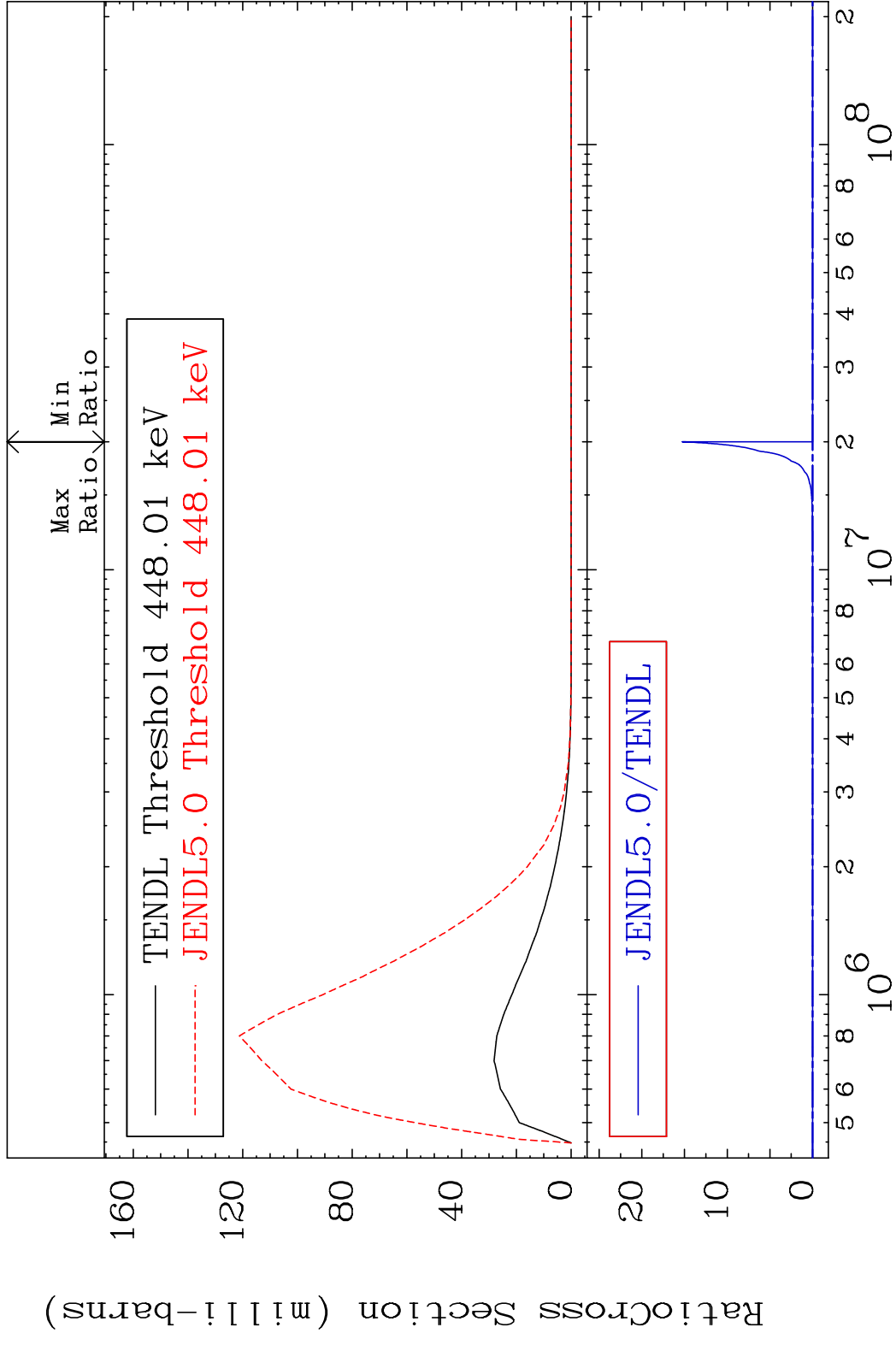


MAT 7122 MT= 69 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %

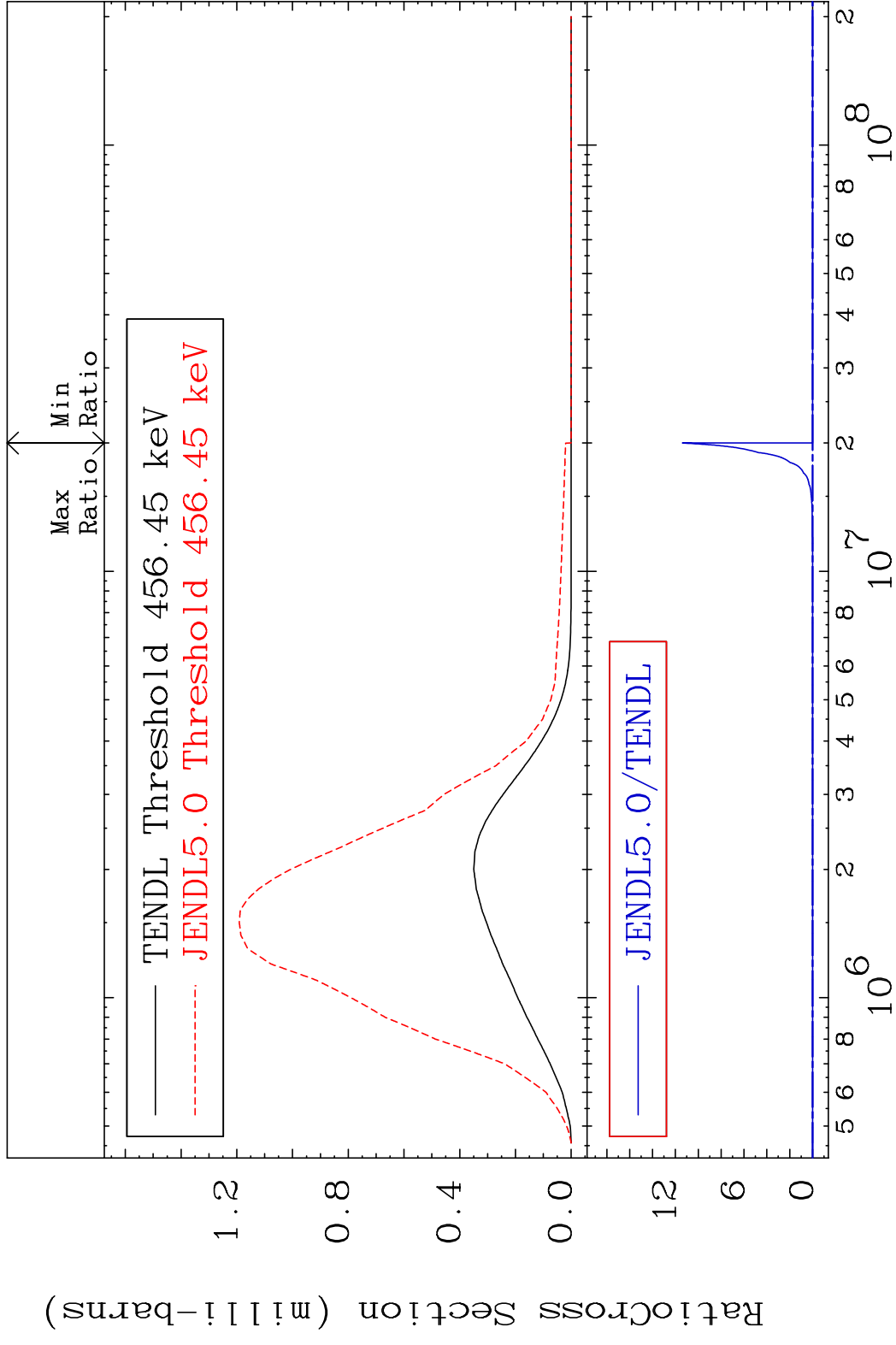




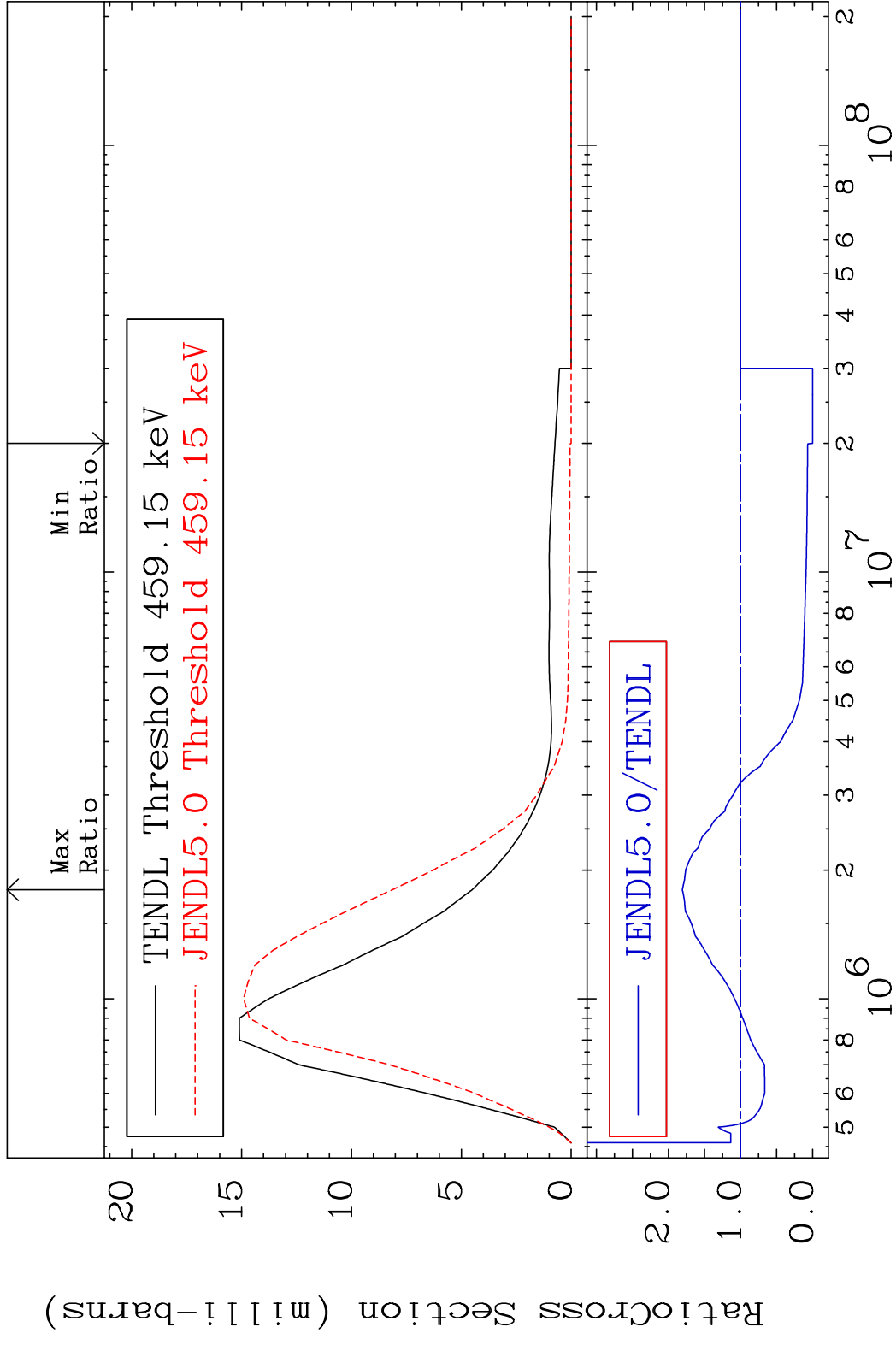
MAT 7122 MT= 70 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



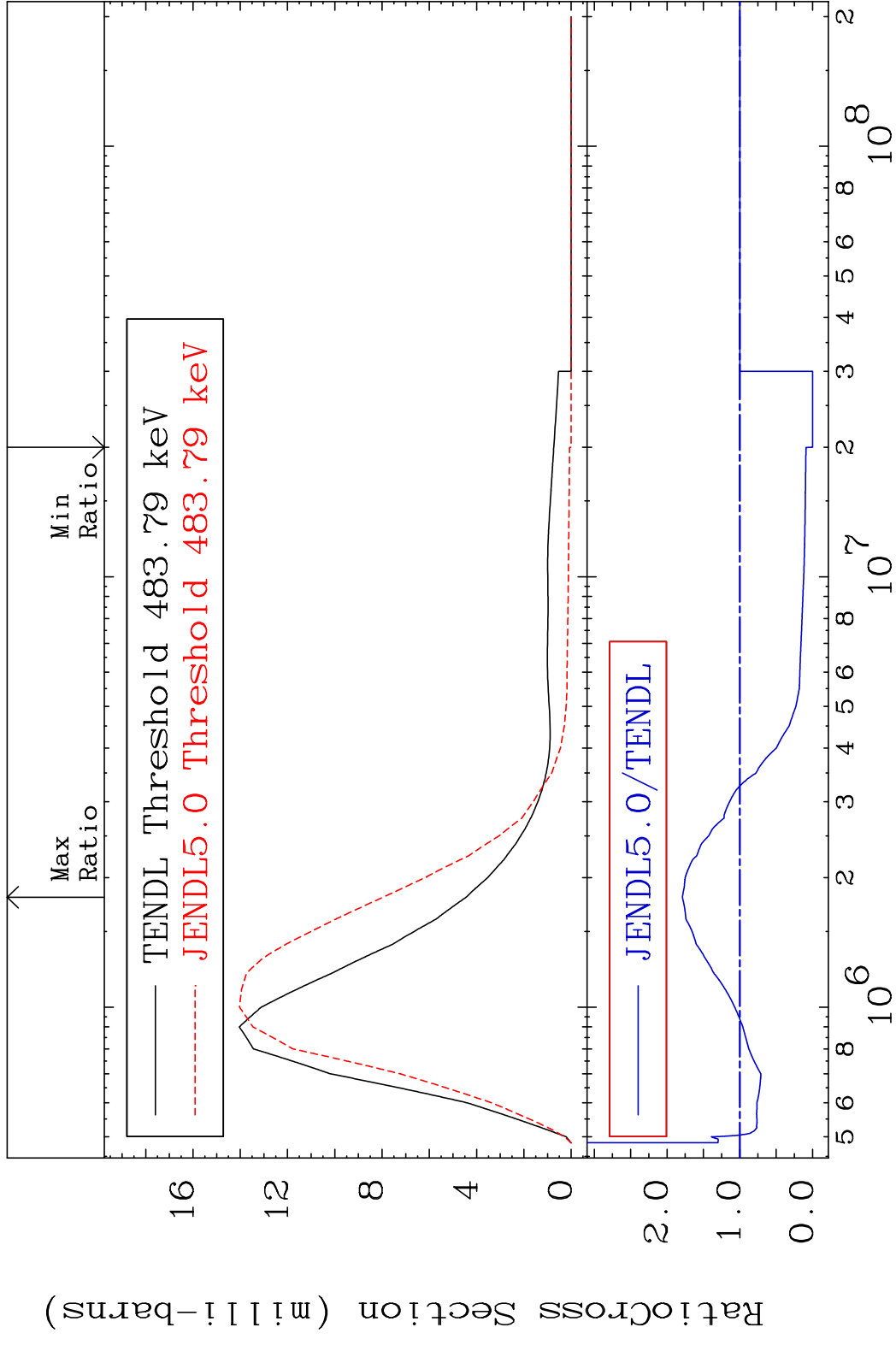
MAT 7122 MT= 71 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



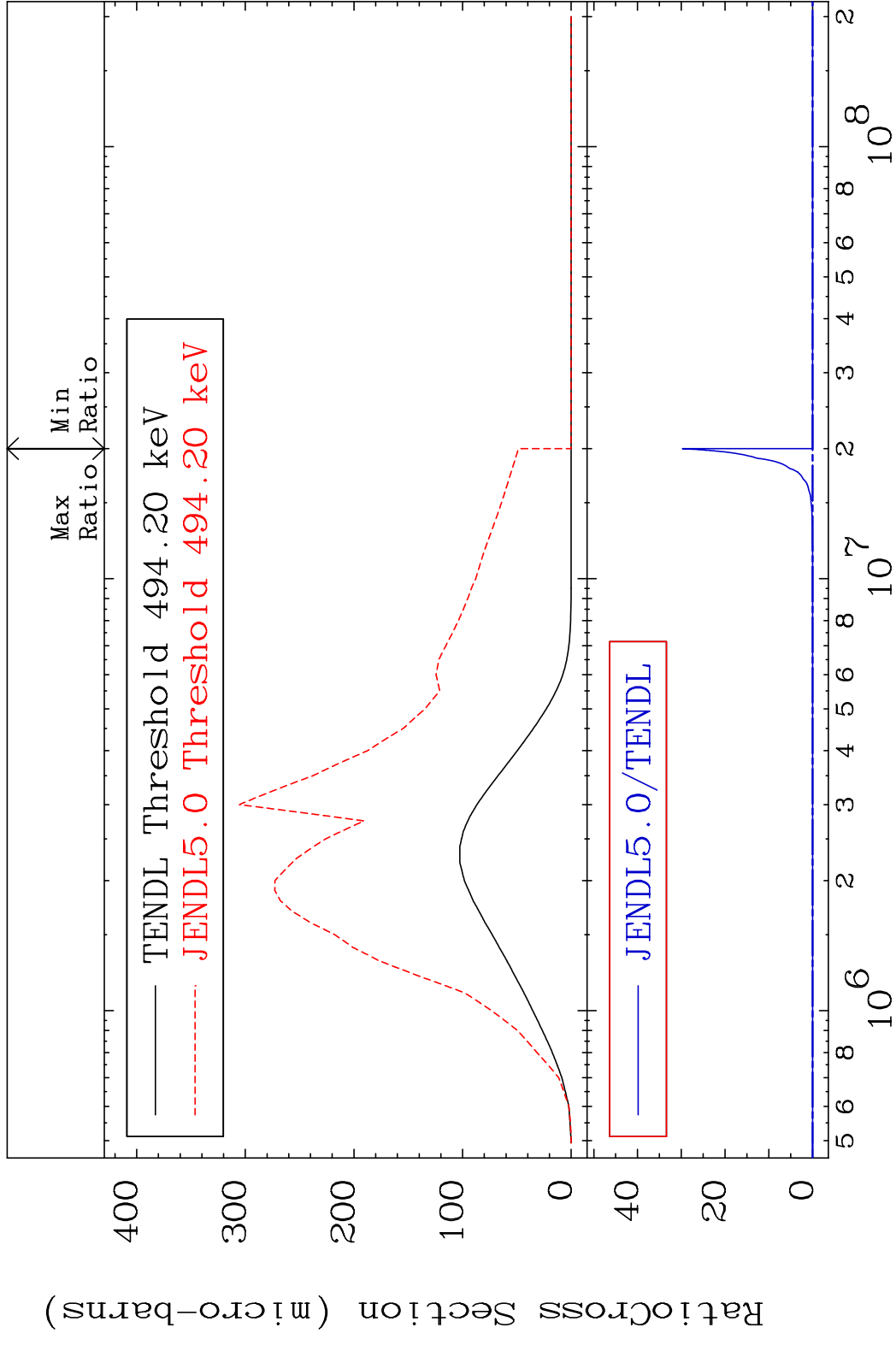
MAT 7122 MT= 72 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 80.72 %



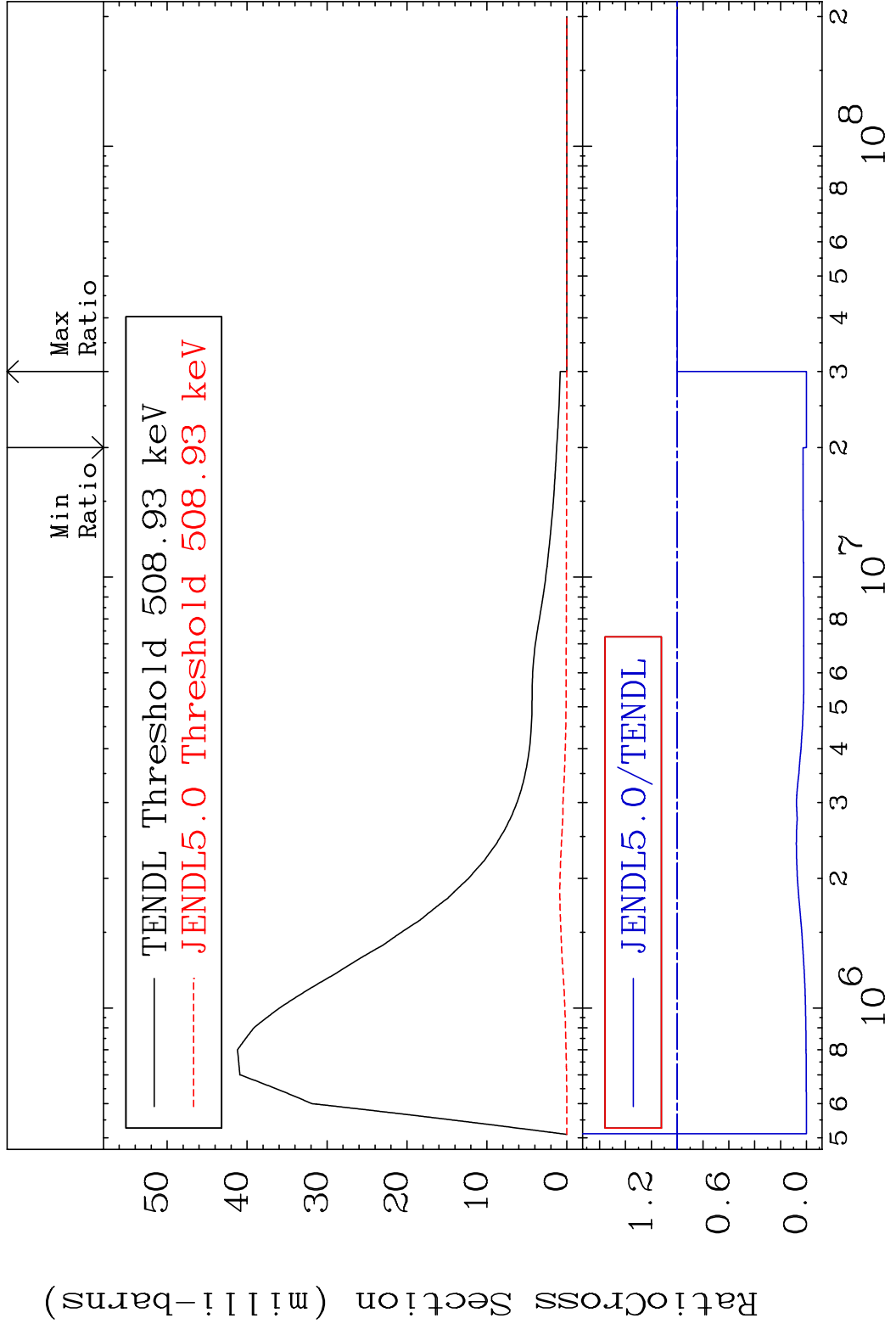
MAT 7122 MT= 73 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 78.95 %



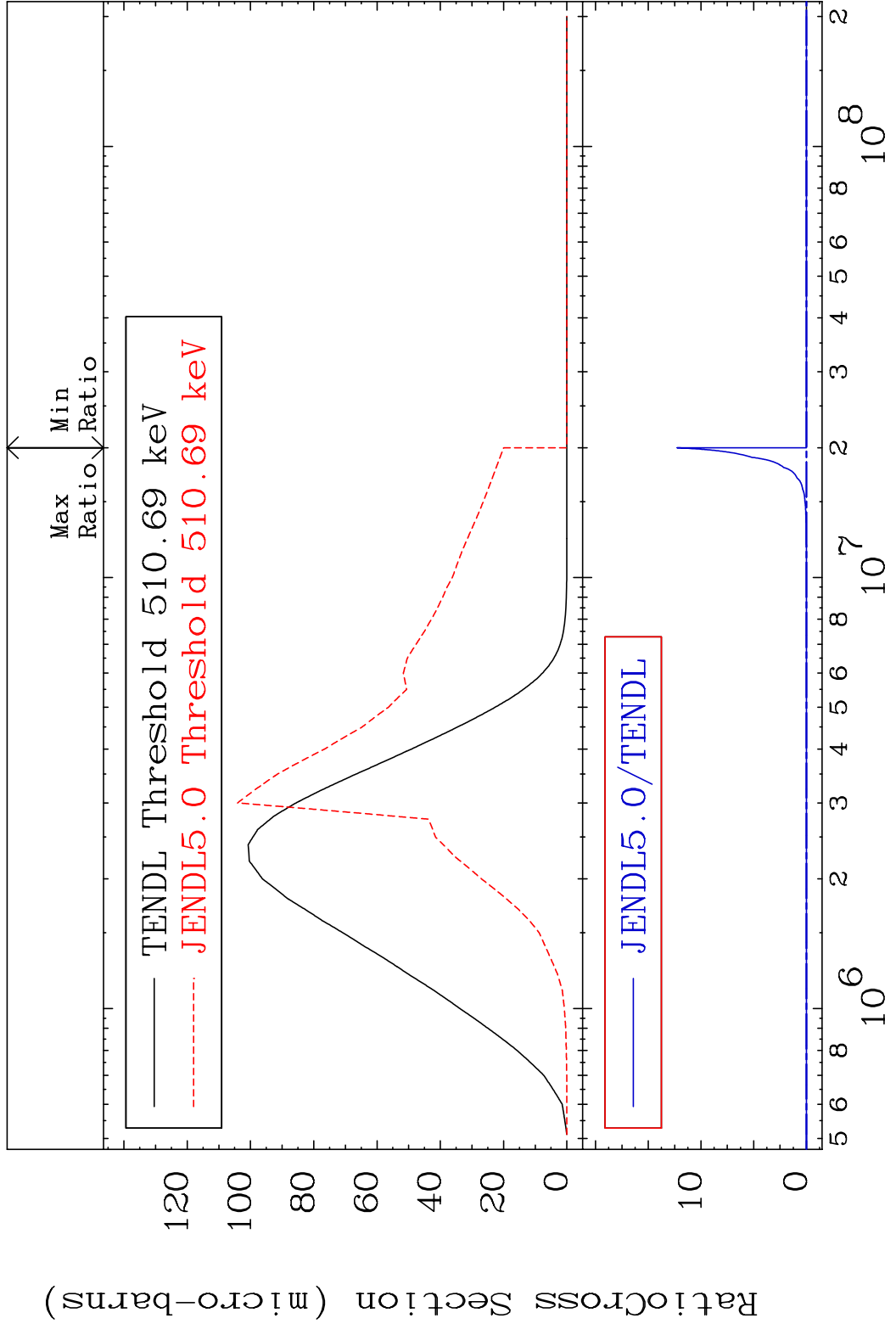
MAT 7122 MT= 74 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %



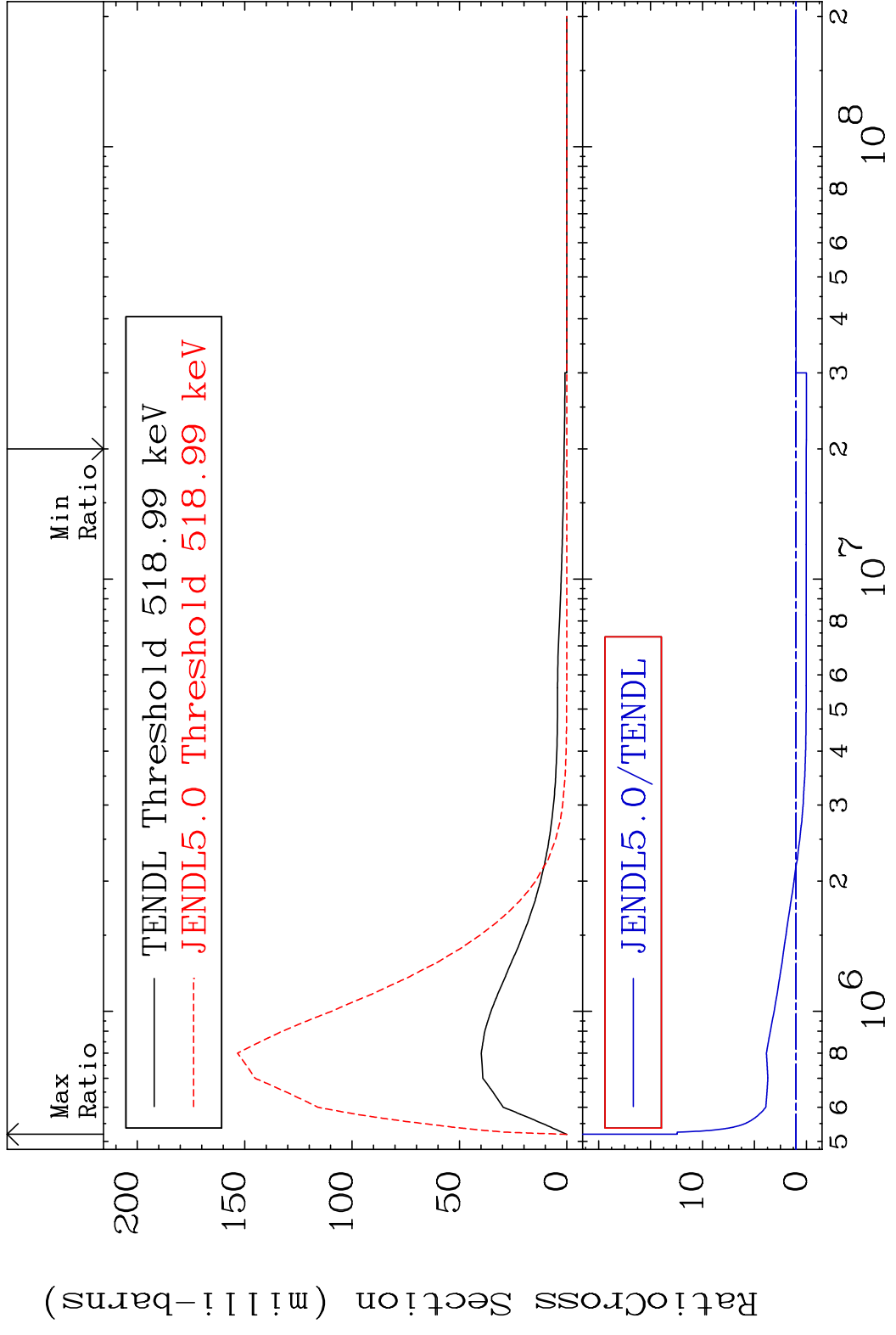
MAT 7122 MT= 75 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 0.000 %



MAT 7122 MT= 76 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 9999. %

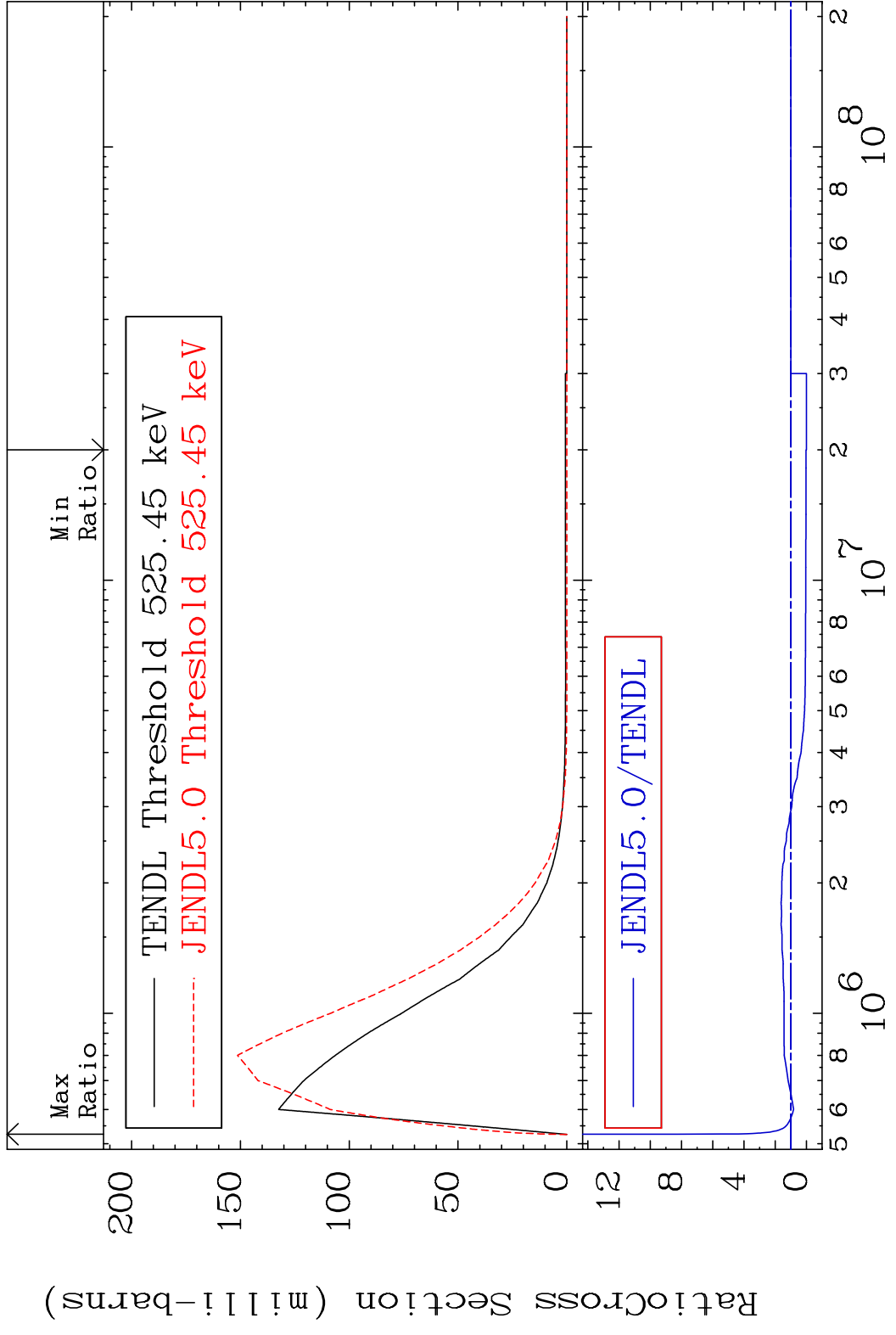


MAT 7122 MT= 77 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 1144. %



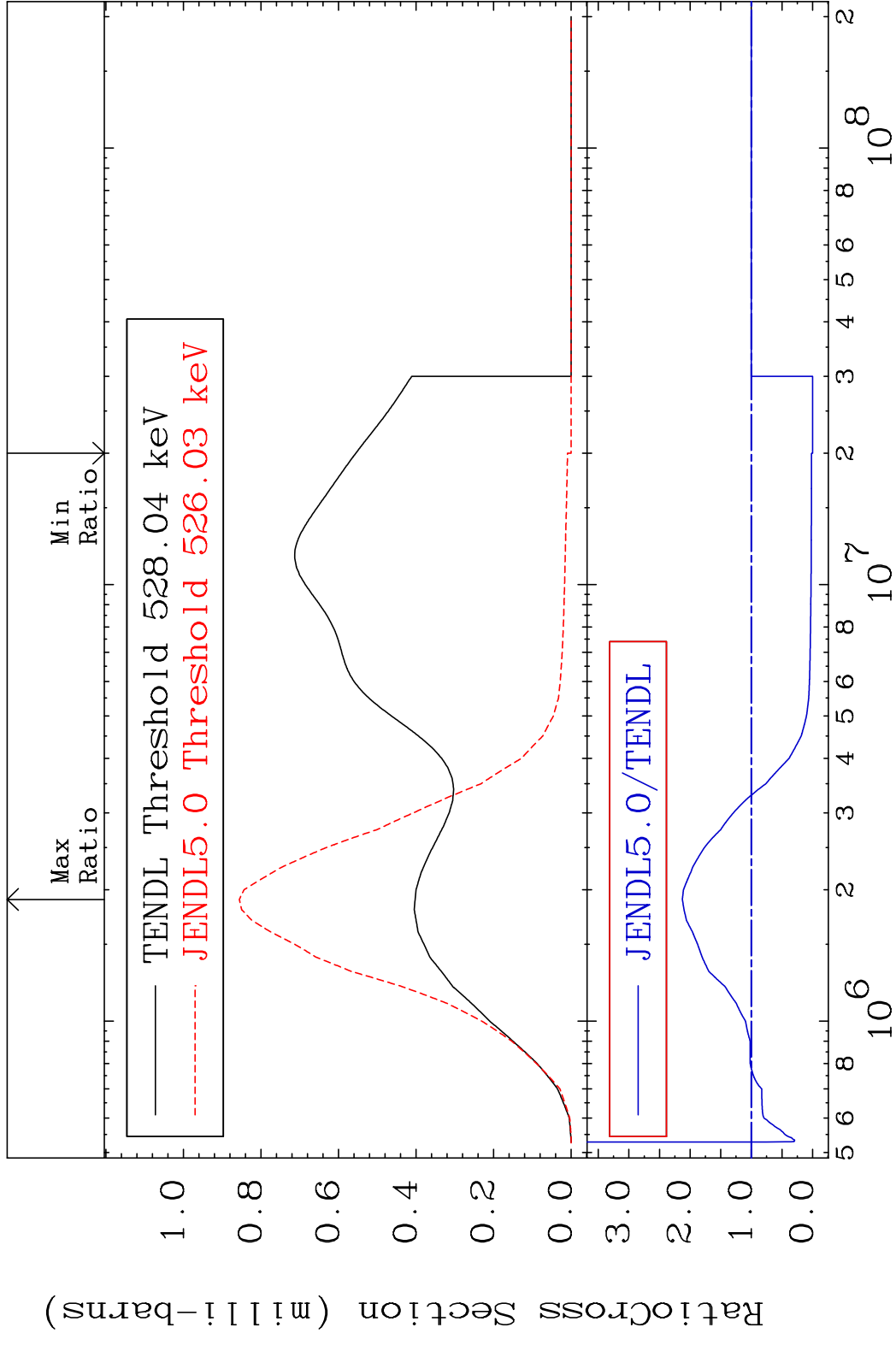


MAT 7122 MT= 78 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 728.0 %

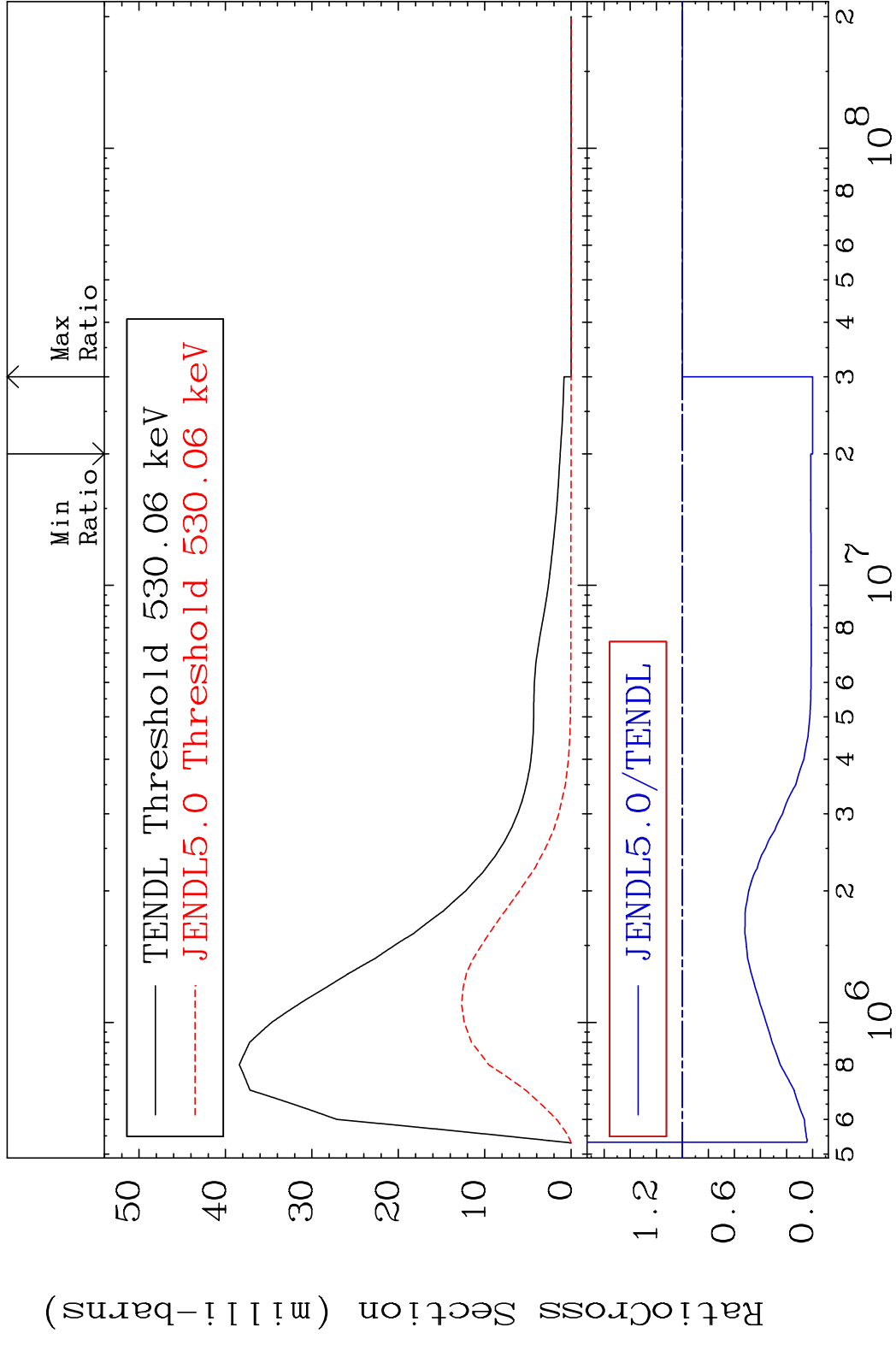


40 Incident Energy (eV) 71-Lu-174

MAT 7122 MT= 79 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 112.7 %



MAT 7122 MT= 80 (n, n') Level 71-Lu-174  
 Cross Section -100.0 To 0.000 %

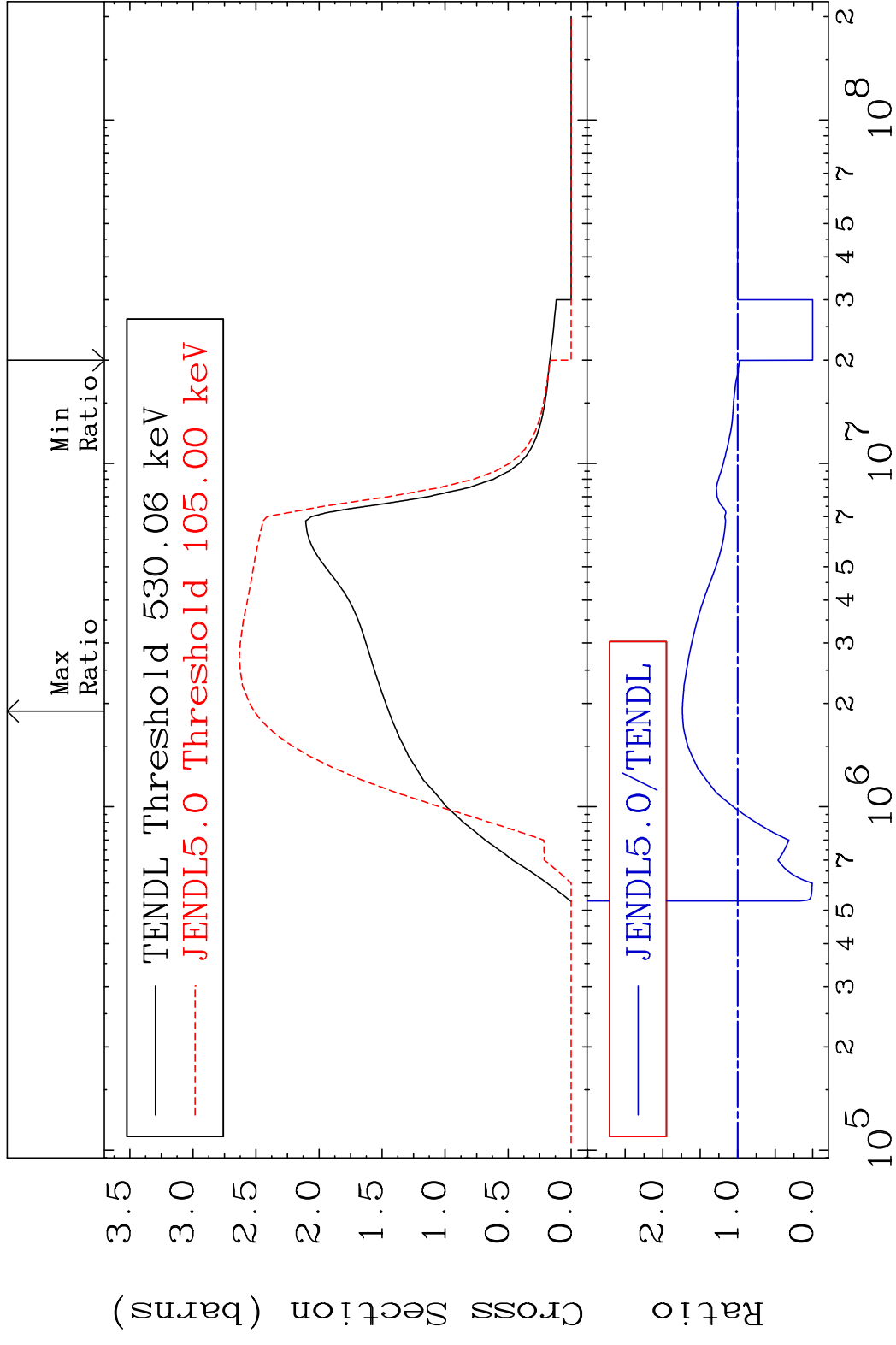


MAT 7122

(n, n') Continuum

71-Lu-174

Cross Section -100.0 To 73.78 %



43

Incident Energy (eV)

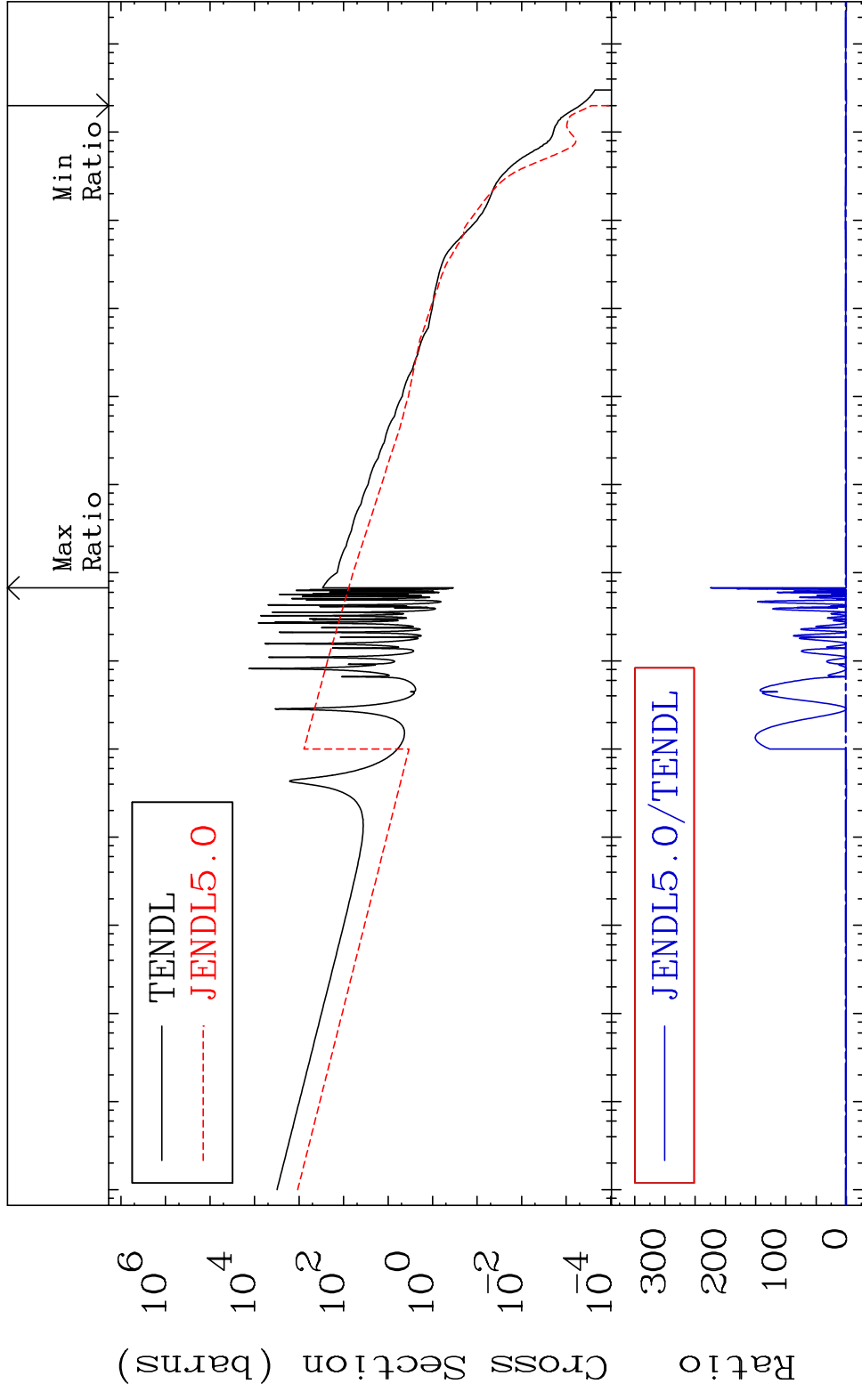
71-Lu-174

MAT 7122

71-Lu-174

(n,  $\gamma$ )

Cross Section -100.0 To 9999. %

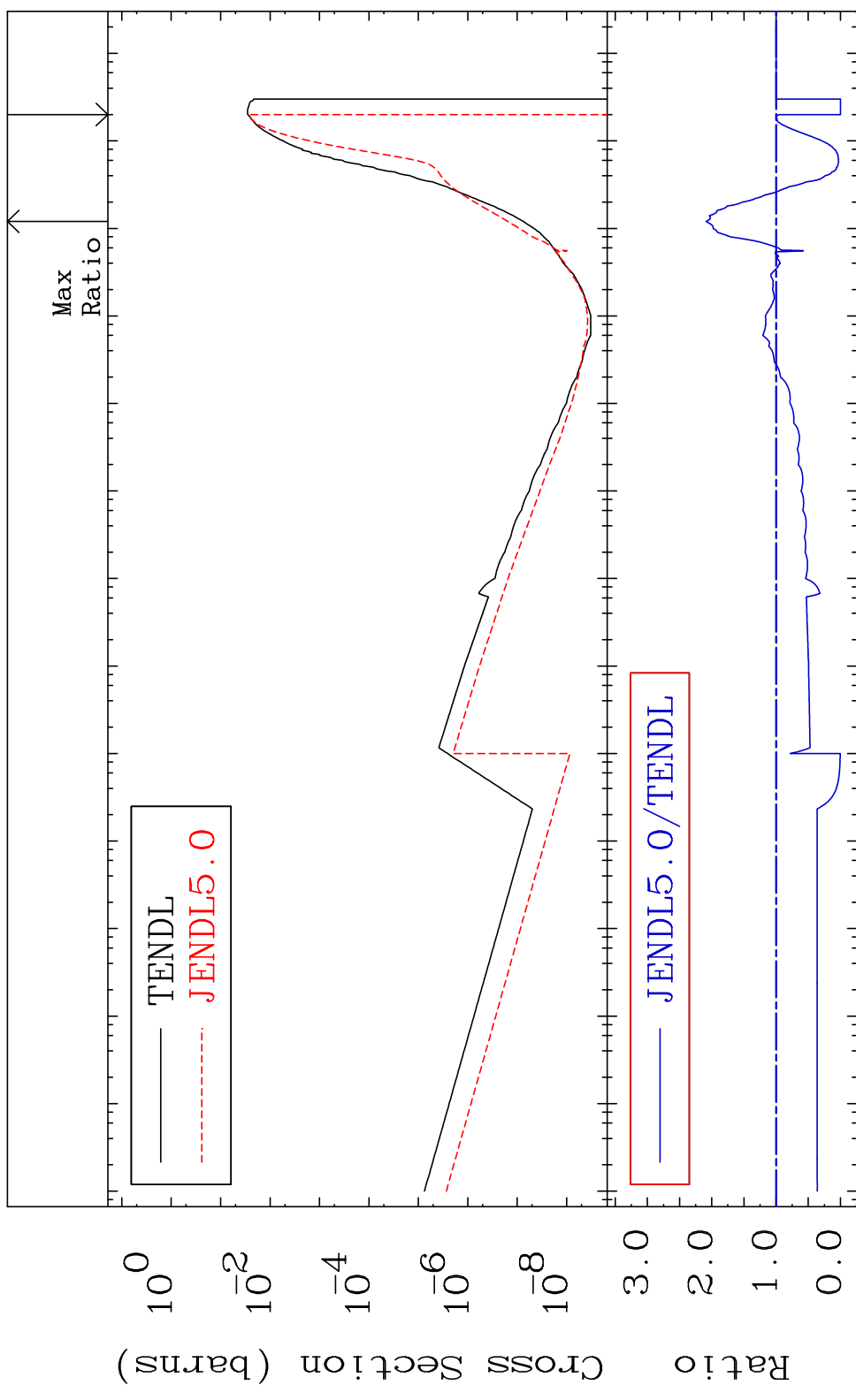


MAT 7122

(n,p)

71-Lu-174

Cross Section -100.0 To 109.3 %



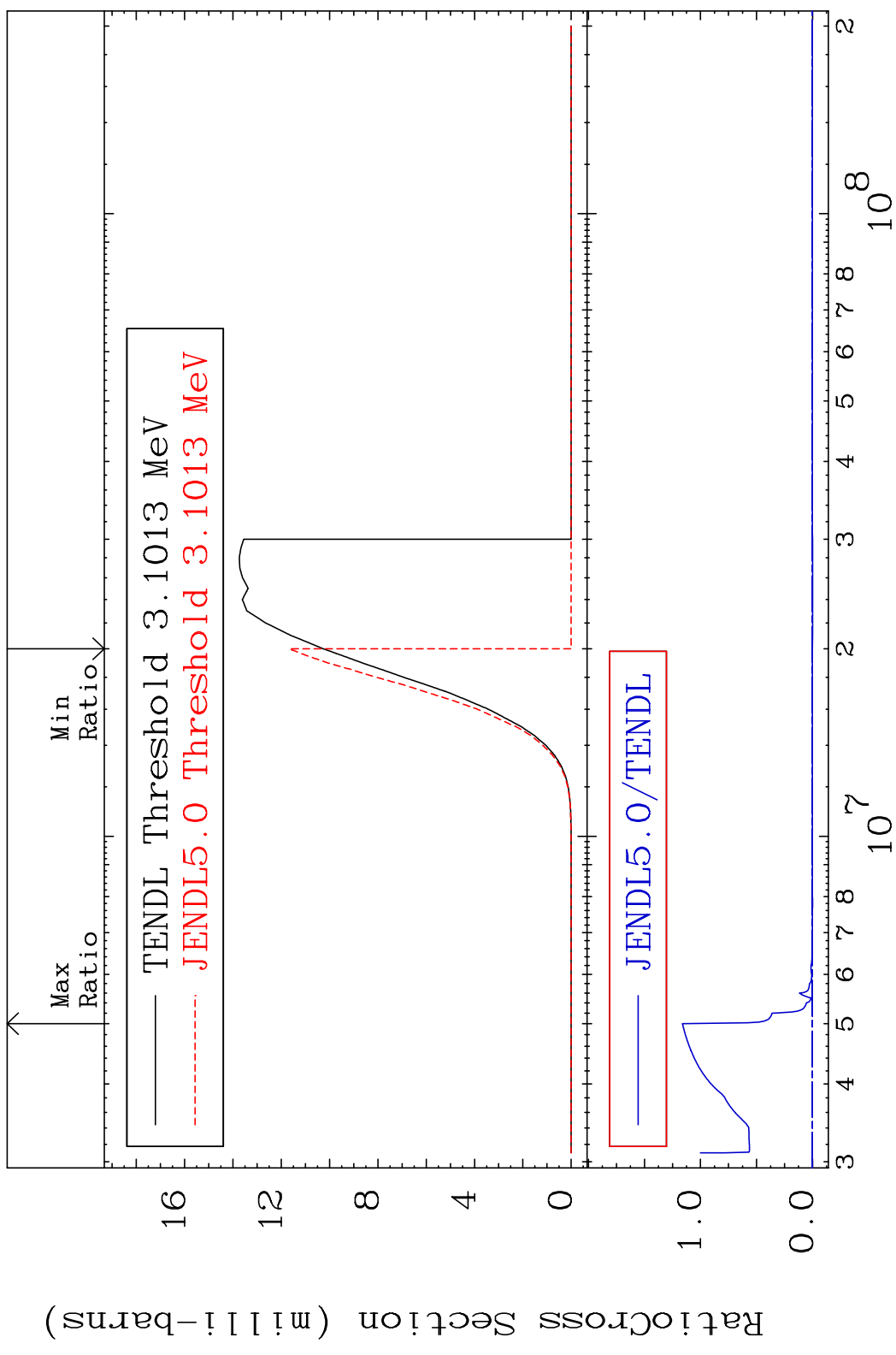
Incident Energy (eV) 10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 7122

(n,d)

71-Lu-174

Cross Section -100.0 To 9999. %

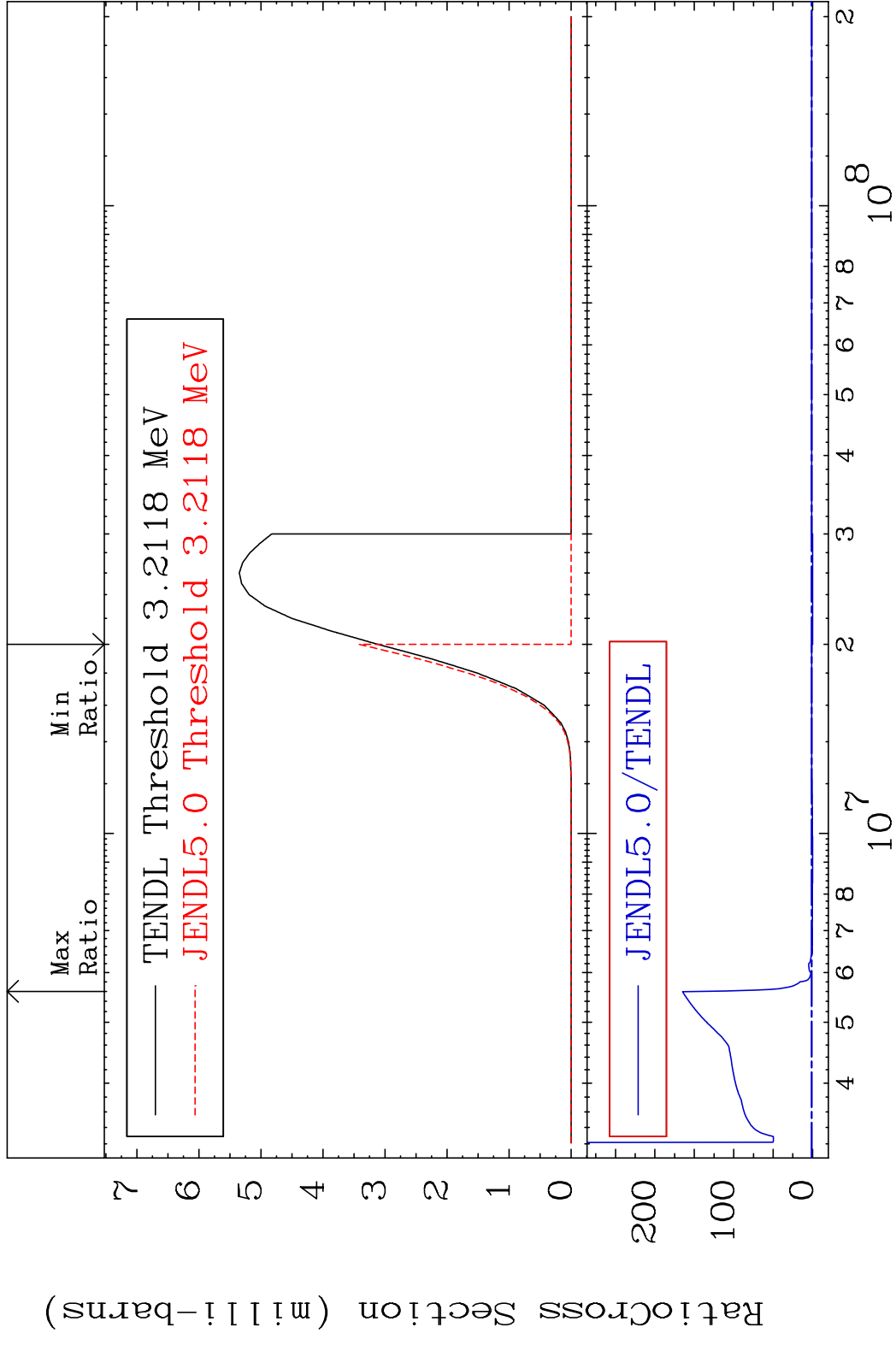


46

Incident Energy (eV)

71-Lu-174

MAT 7122 (n, t) 71-Lu-174  
 Cross Section -100.0 To 9999. %



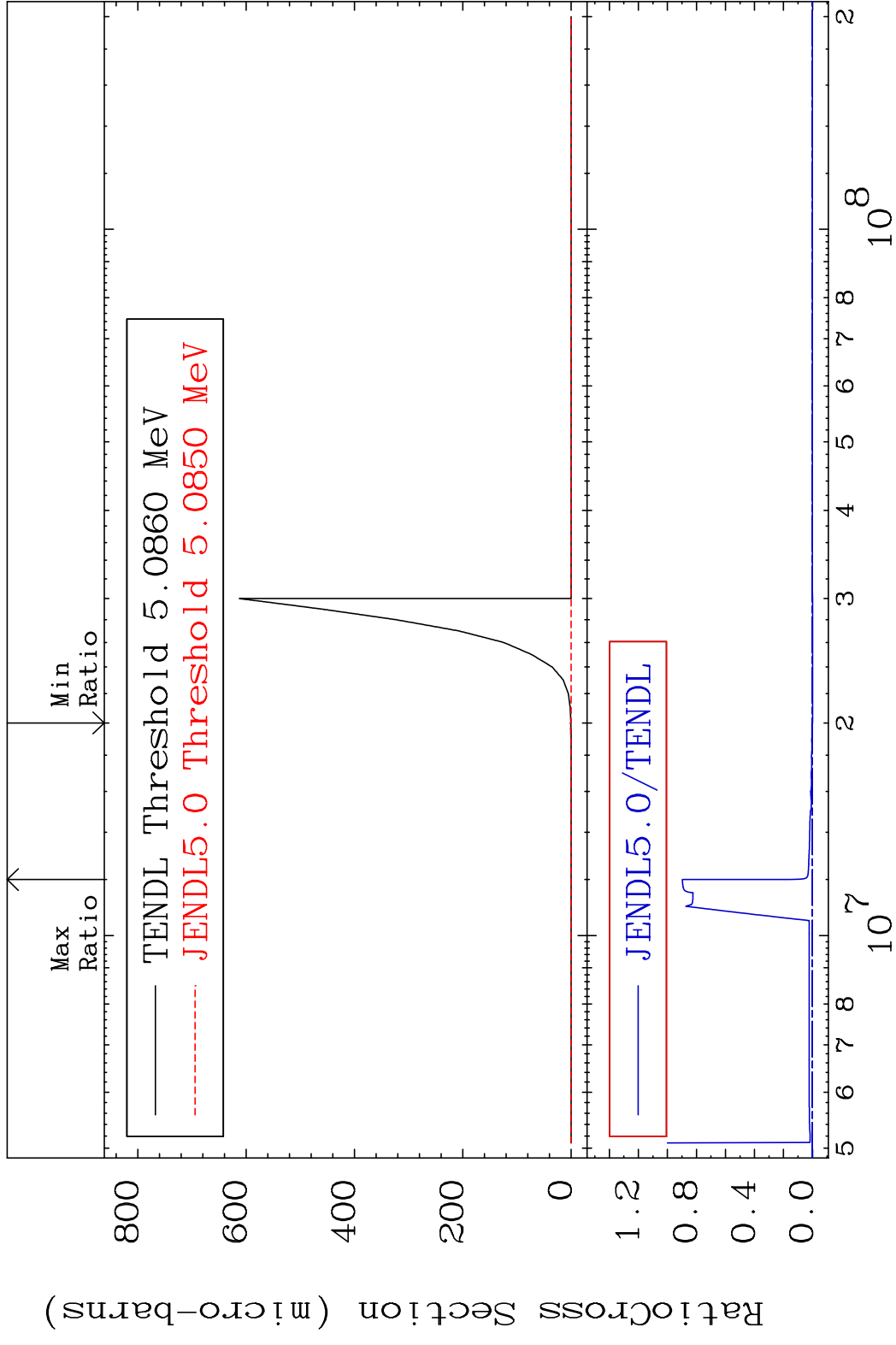


MAT 7122

(n, He-3)

71-Lu-174

Cross Section -100.0 To 9999. %

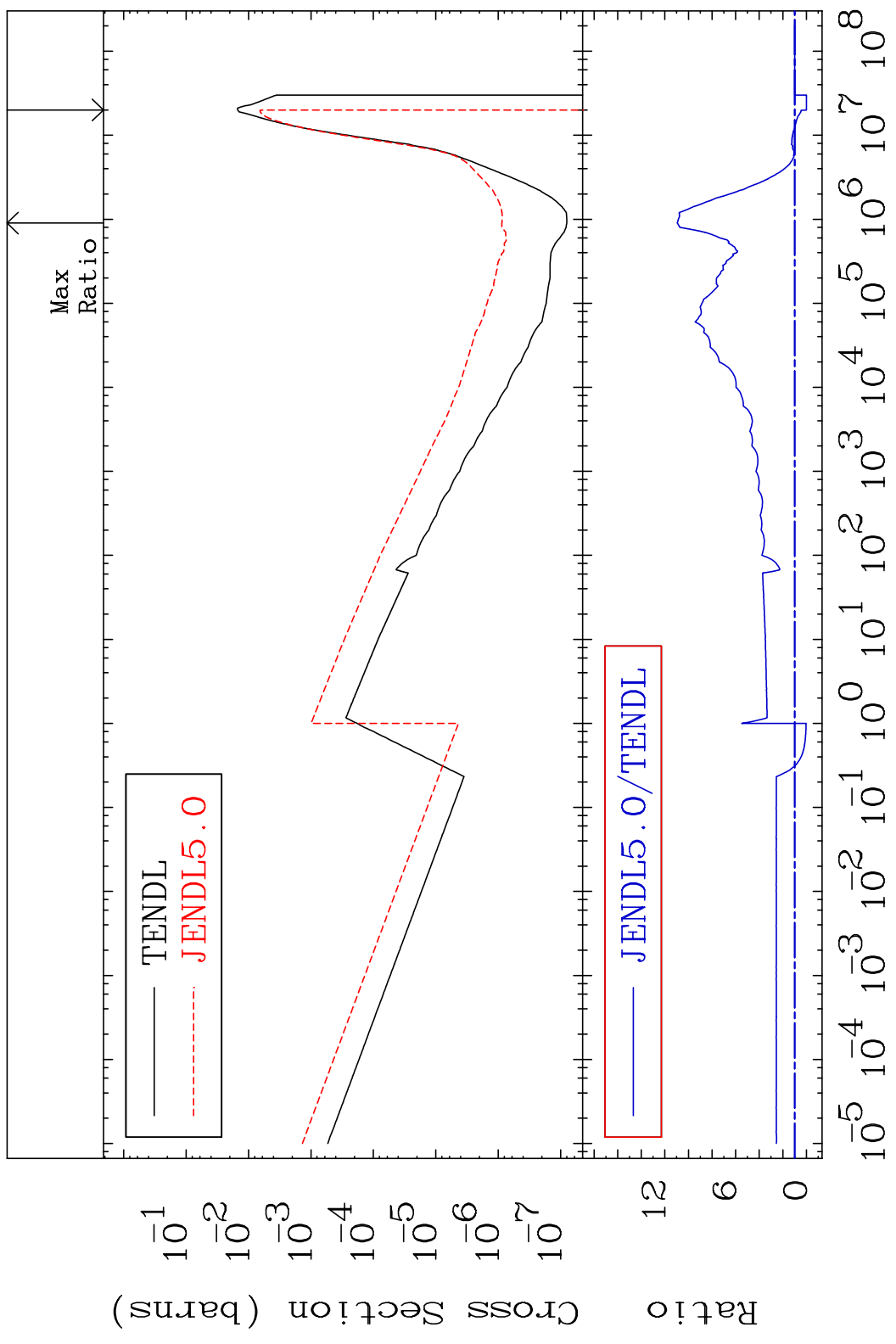


MAT 7122

(n,  $\alpha$ )

71-Lu-174

Cross Section -100.0 To 995.3 %

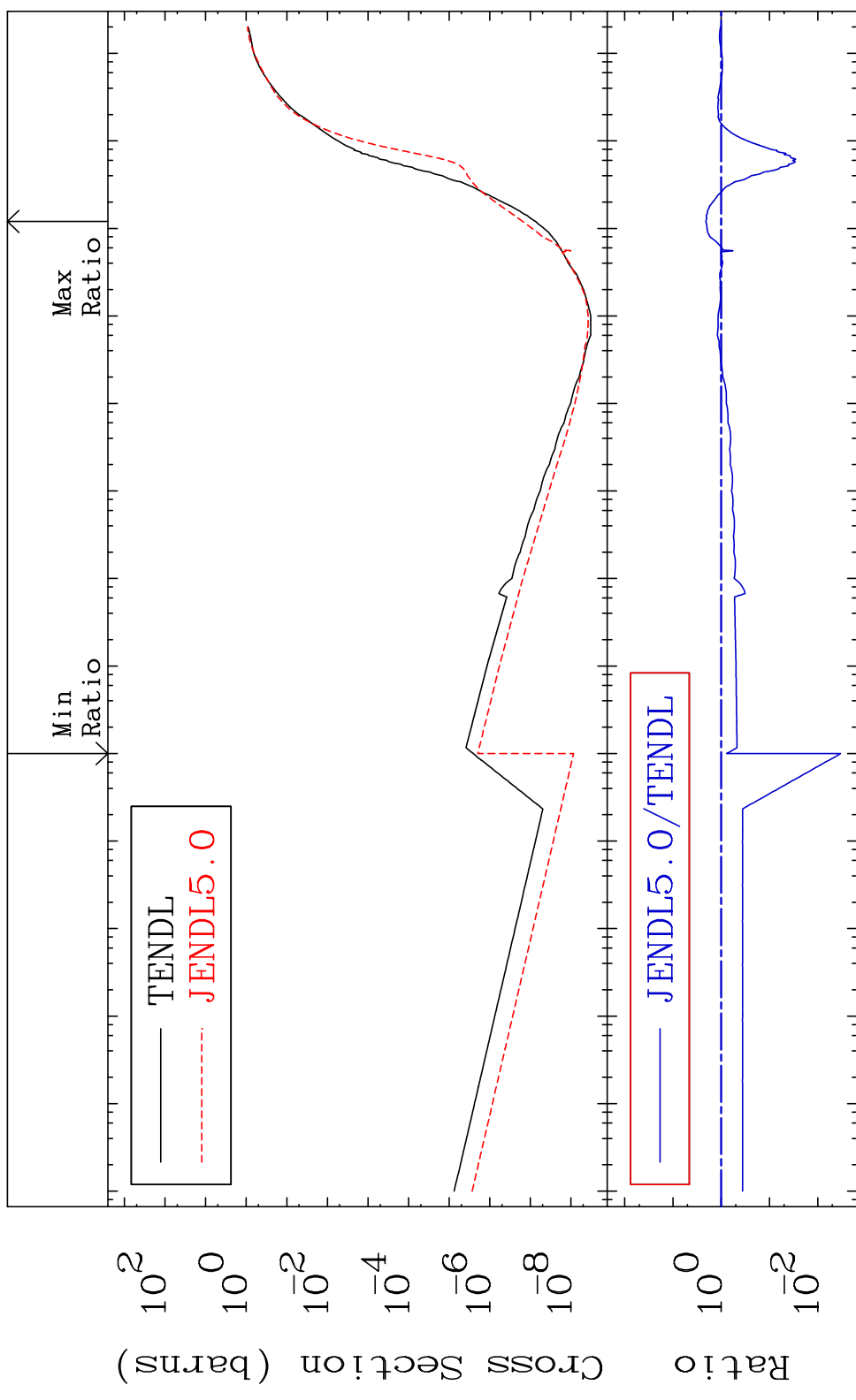


MAT 7122

Hydrogen Production

71-Lu-174

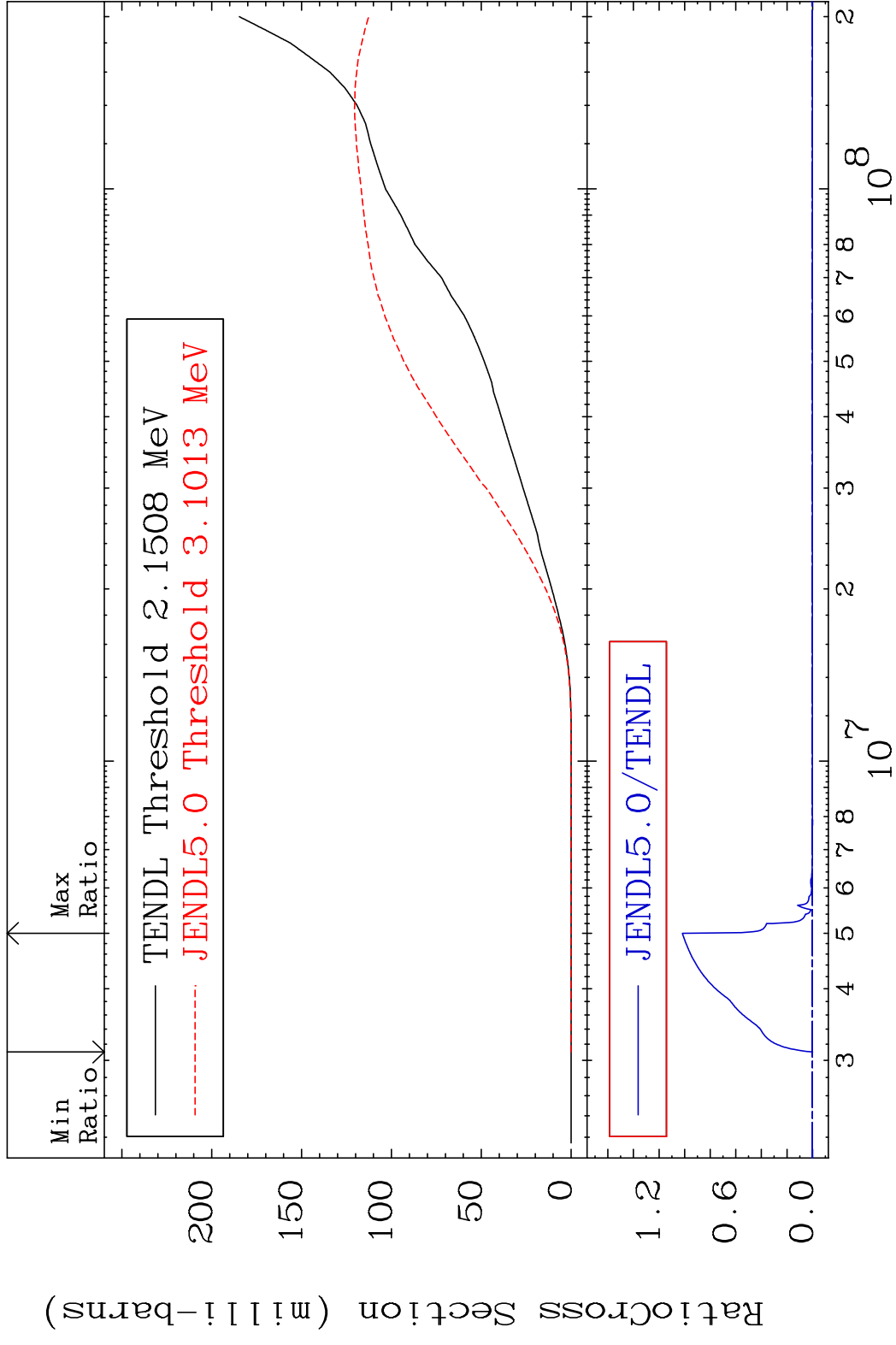
Cross Section -99.66 To 109.3 %



50

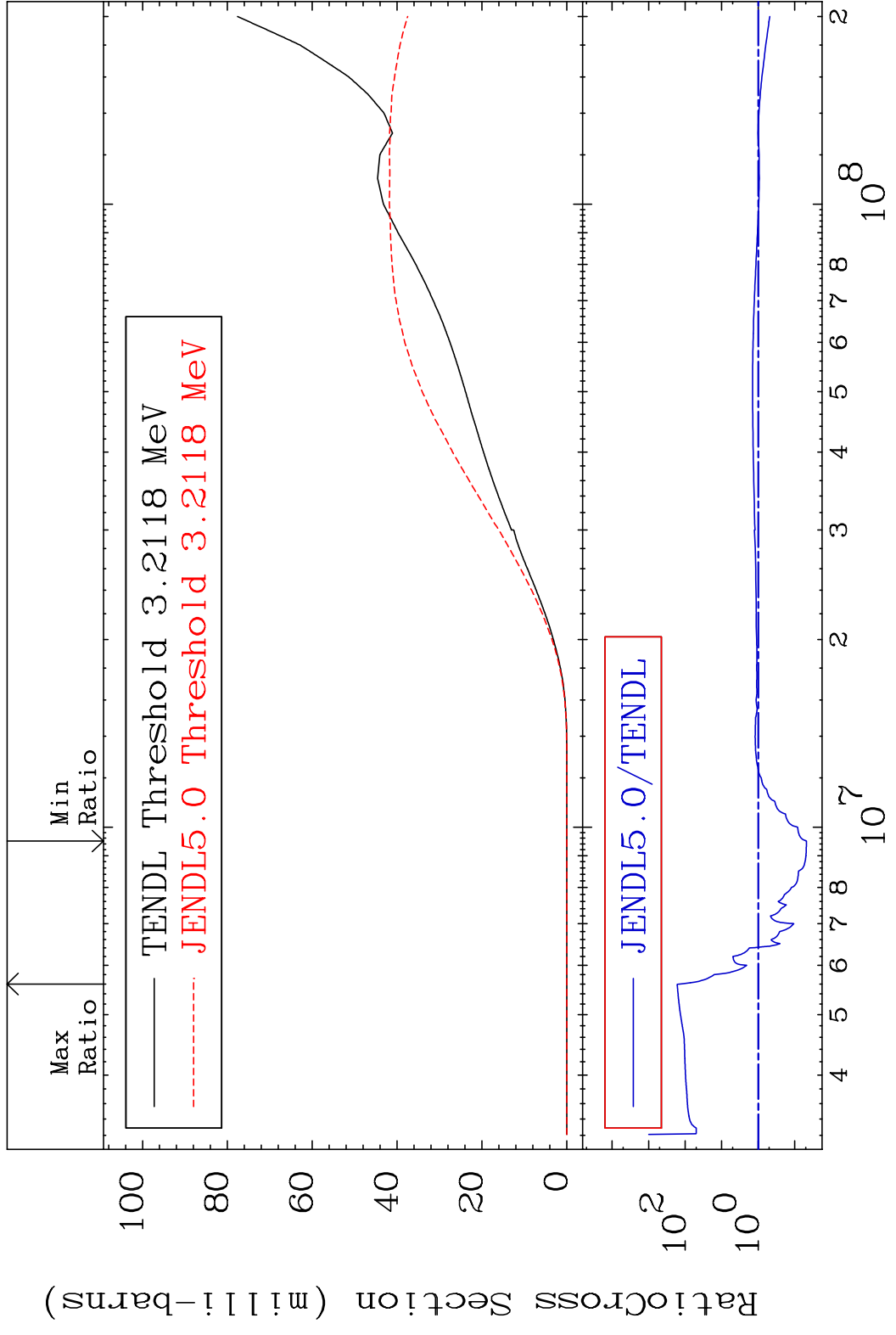
Incident Energy (eV)

71-Lu-174



MAT 7122

Tritium Production 71-Lu-174  
Cross Section -95.20 To 9999. %

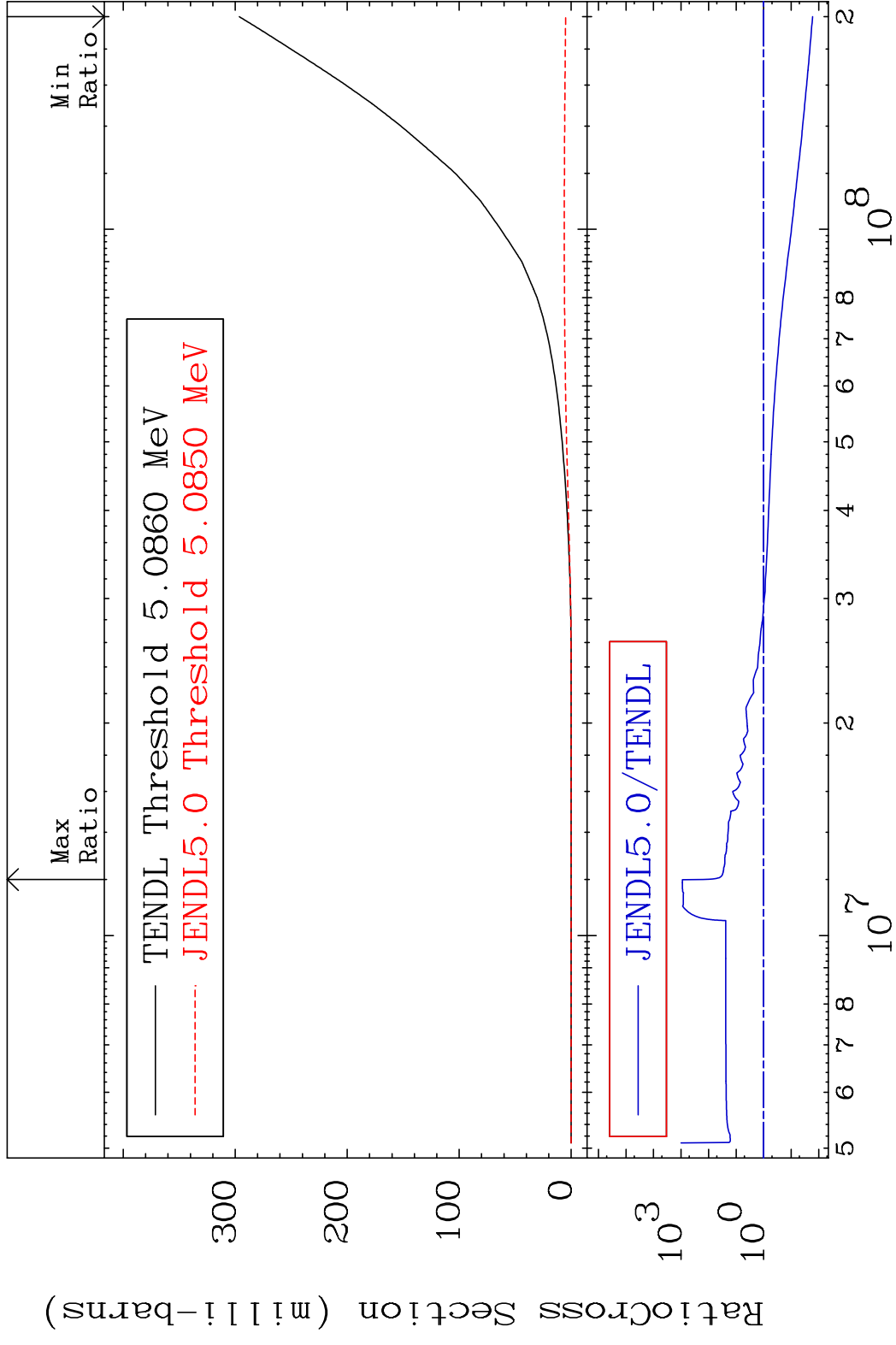


MAT 7122

He-3 Production

71-Lu-174

Cross Section -98.33 To 9999. %



53

Incident Energy (eV)

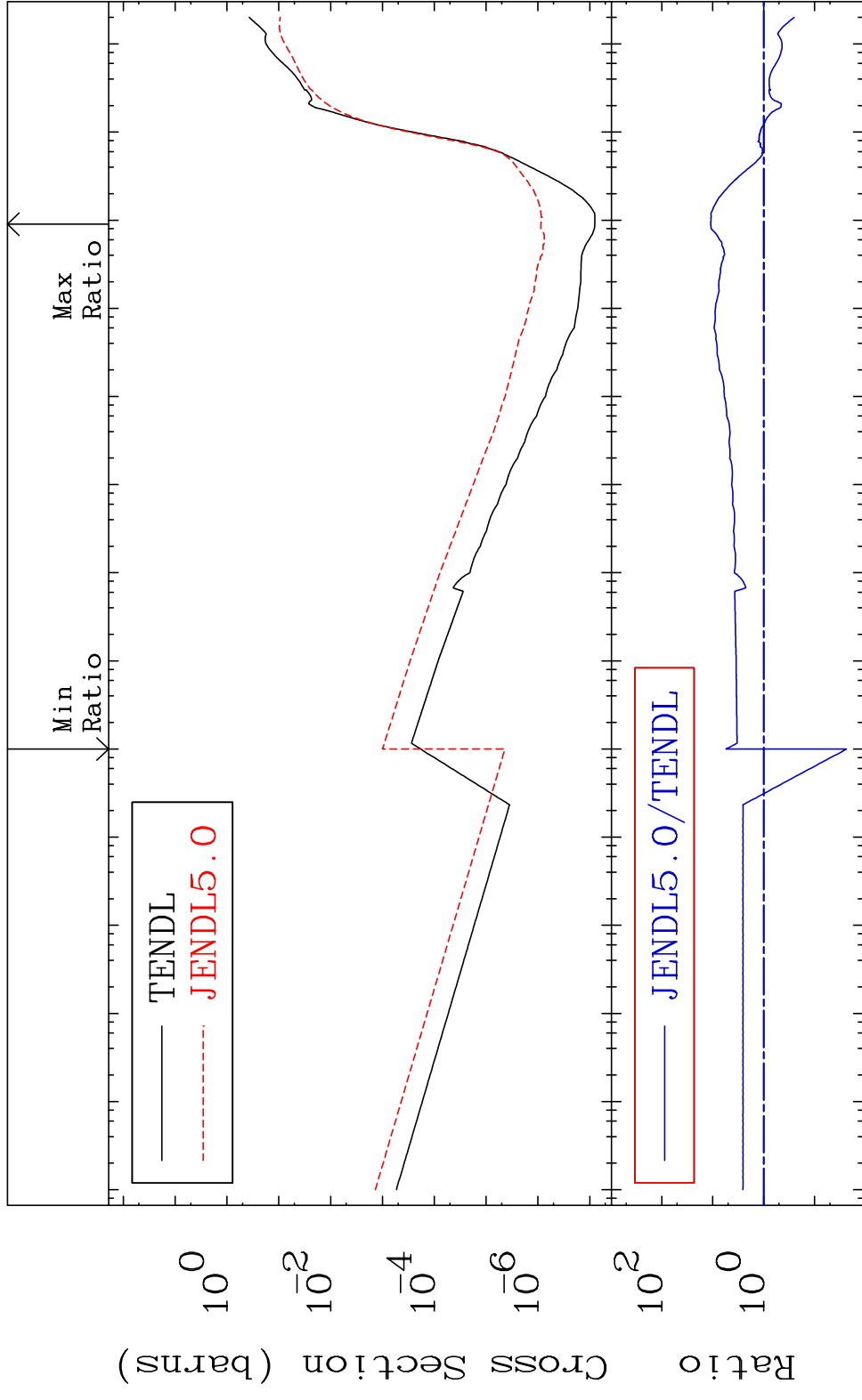
71-Lu-174

MAT 7122

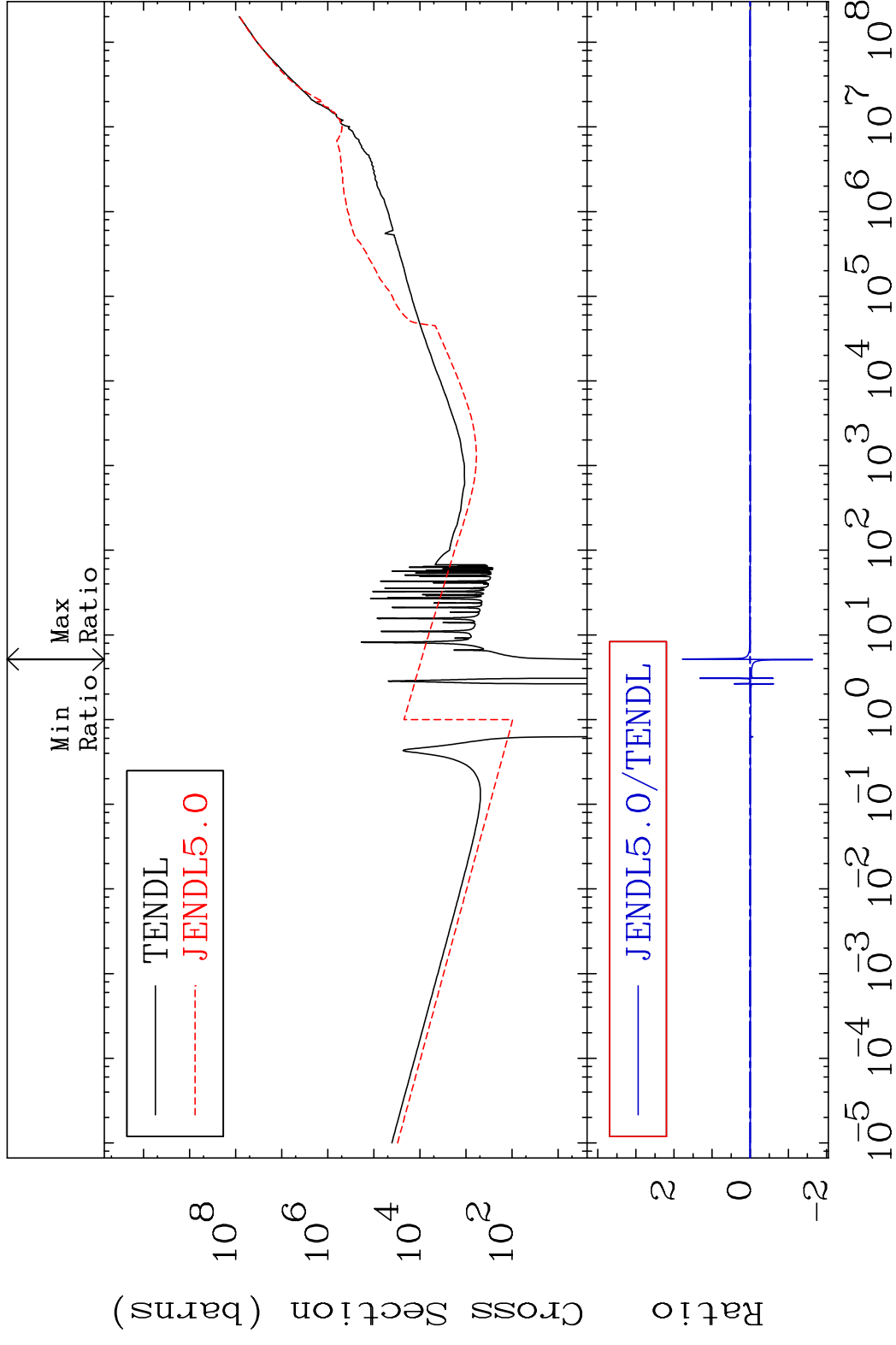
He-4 Production

71-Lu-174

Cross Section -97.61 To 995.3 %



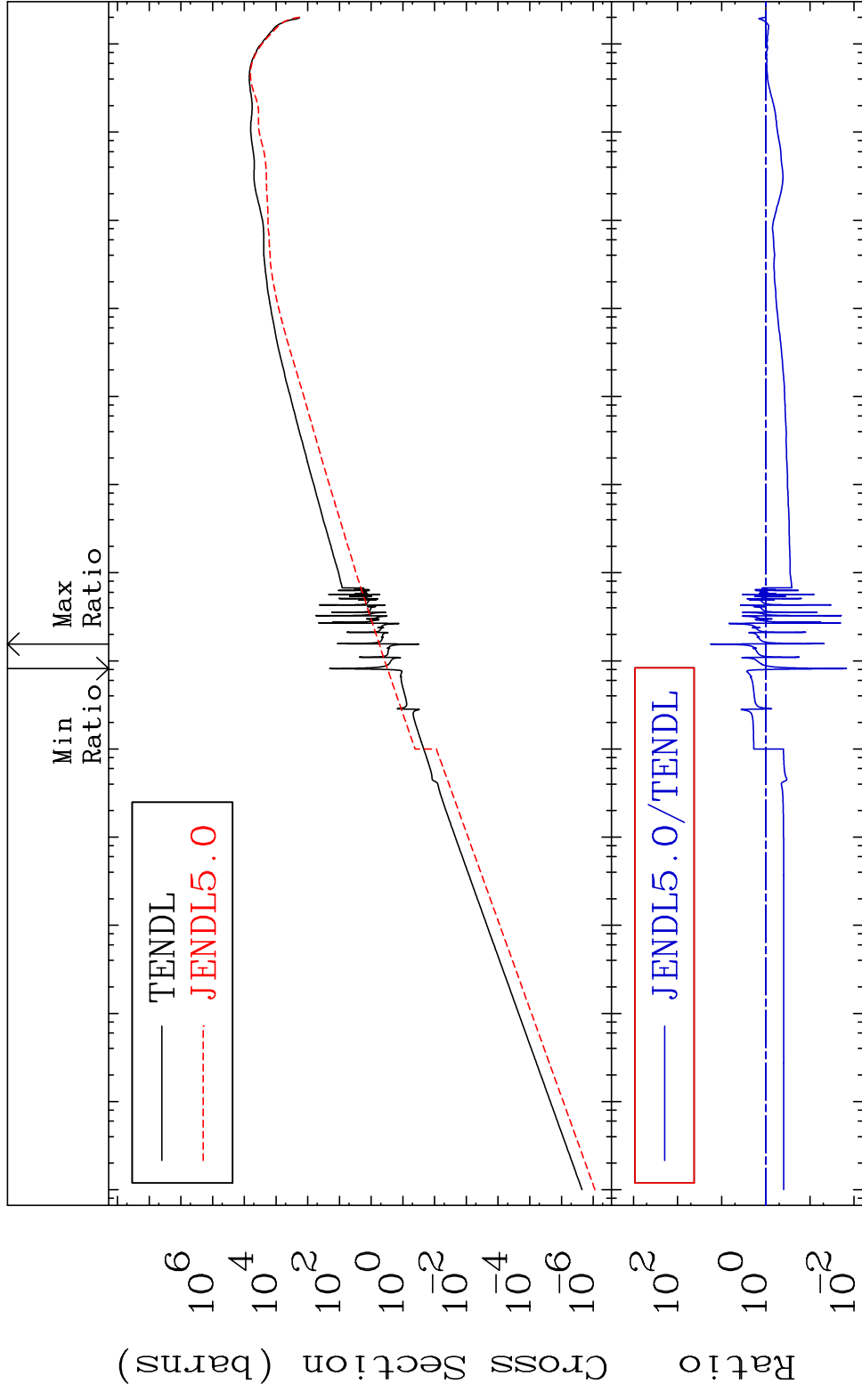
MAT 7122 Kerma total (eV-barns) 71-Lu-174  
 Cross Section -9999. To 9999. %



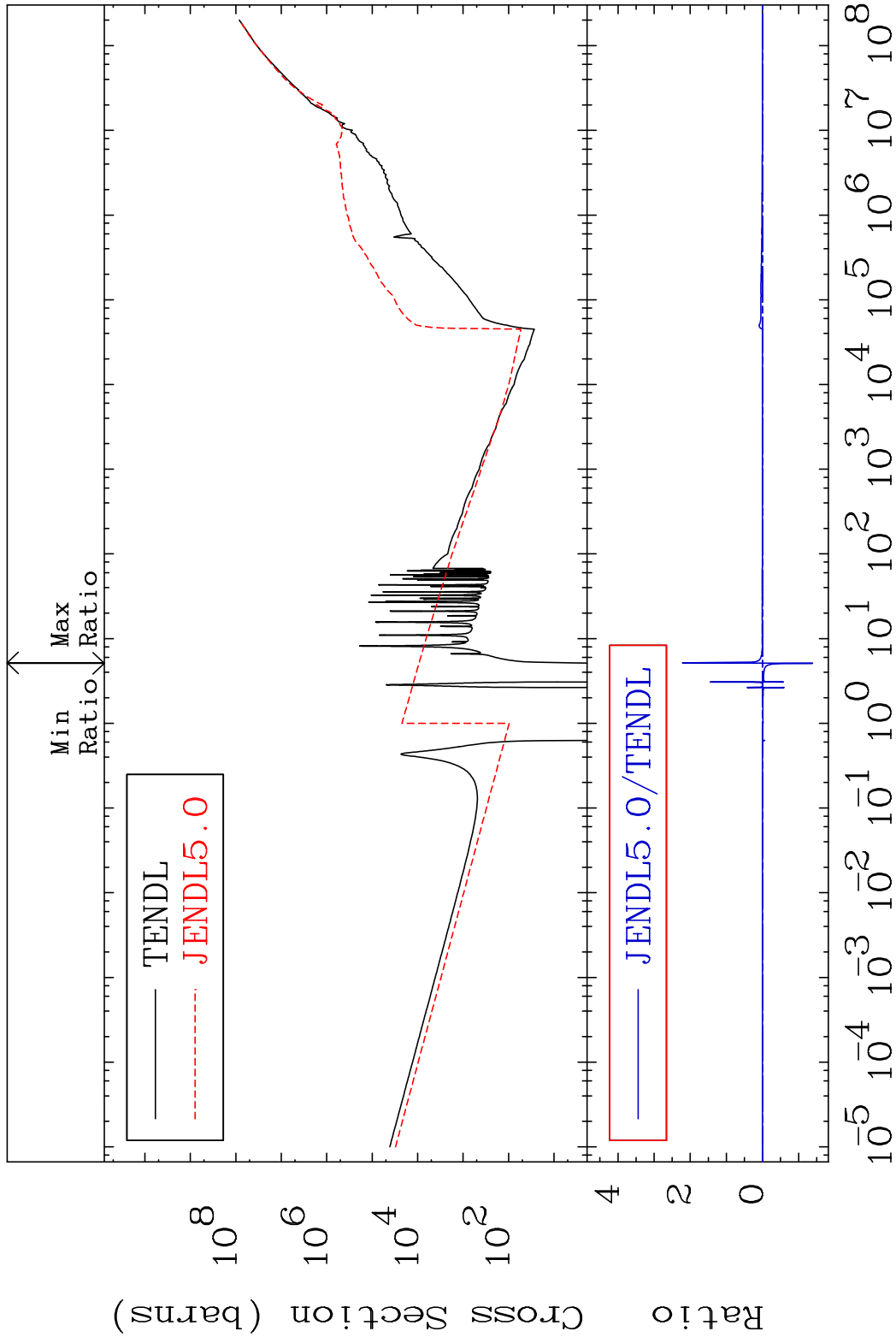


MAT 7122

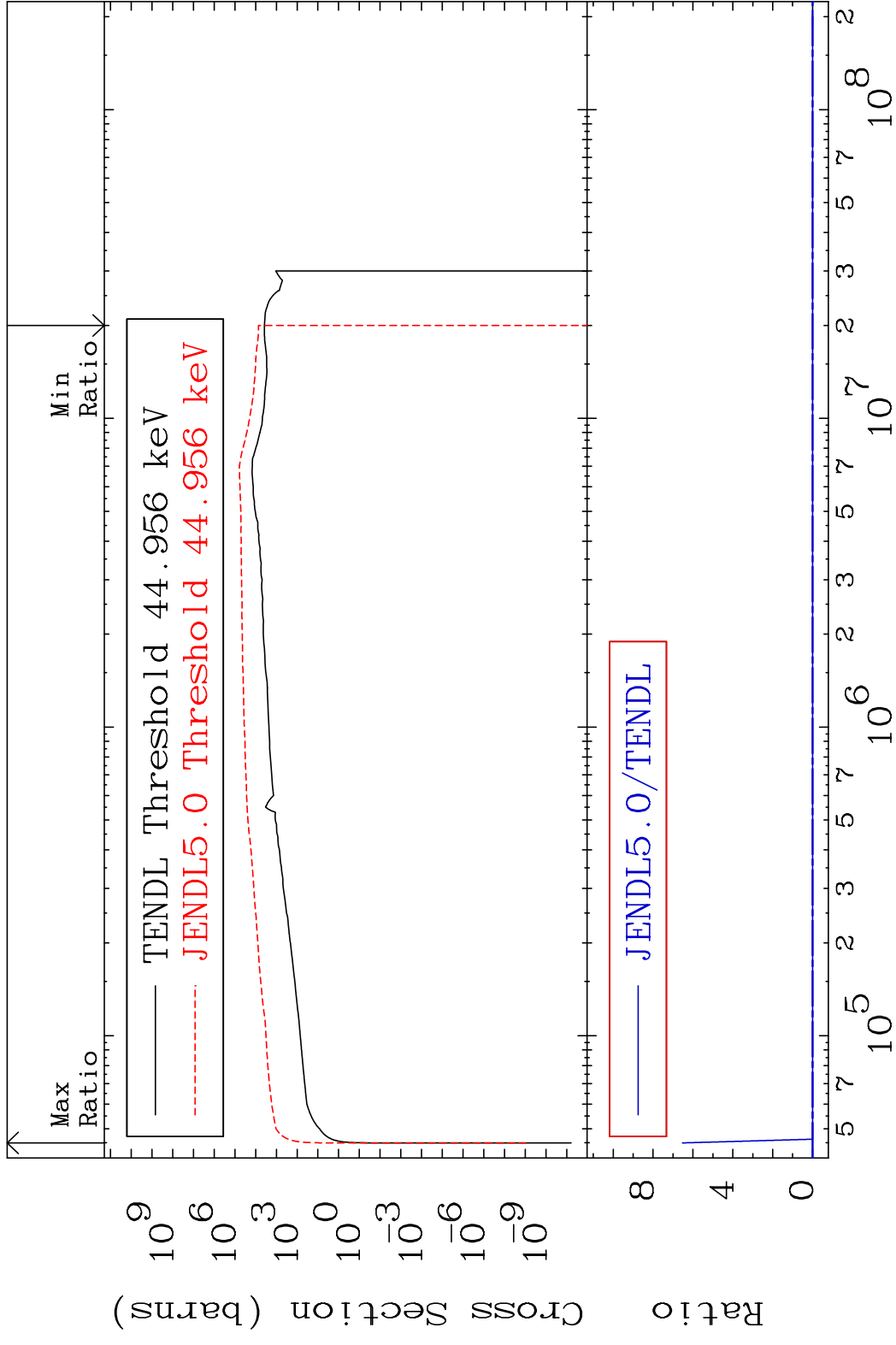
Kerma elastic Cross Section -98.50 To 1674. %  
71-Lu-174



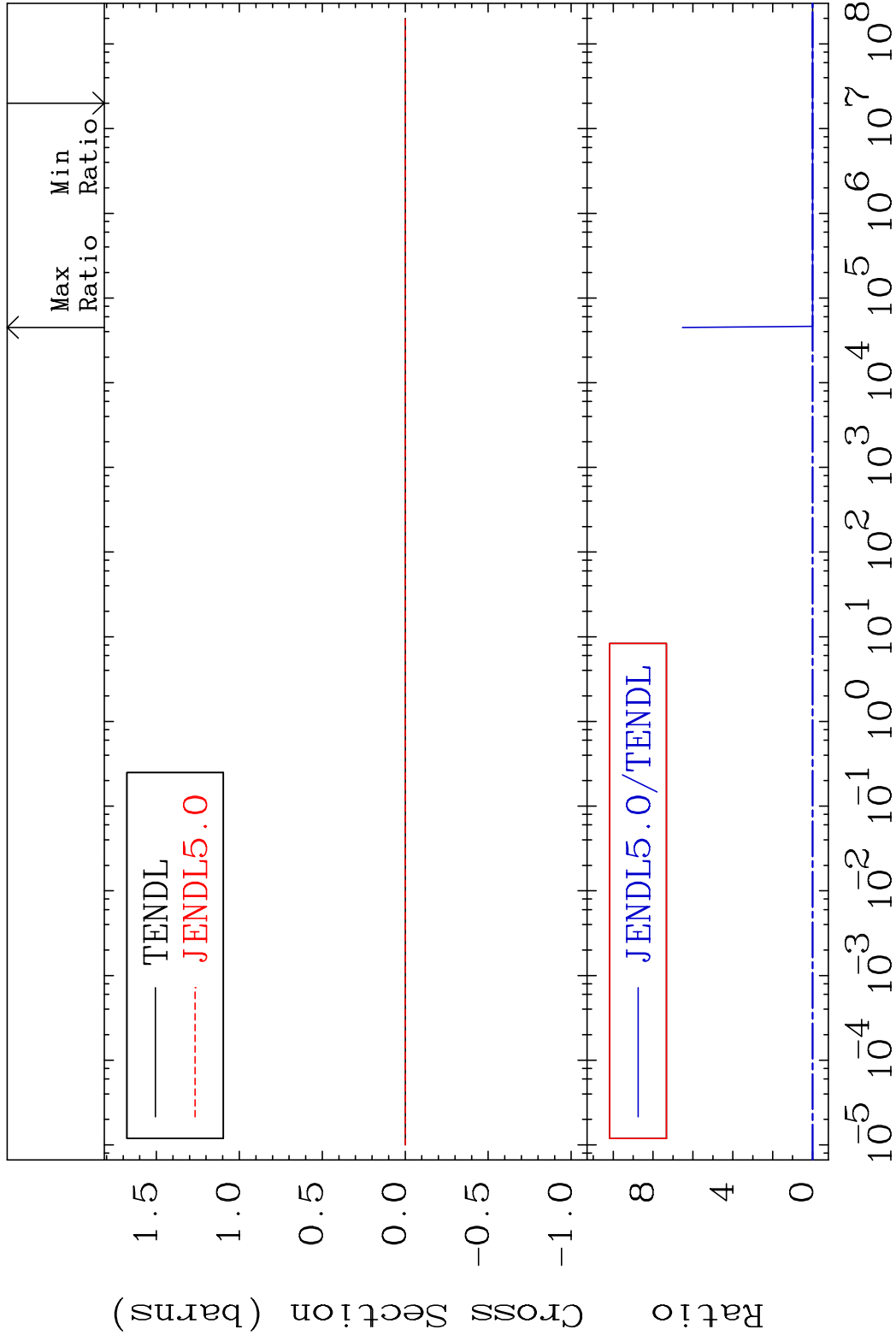
MAT 7122 Kerma non-elastic (all but mt2) 71-Lu-174  
 Cross Section -9999. To 9999. %



MAT 7122 Kerma inelastic (mt51-91) 71-Lu-174  
 Cross Section -100.0 To 9999. %

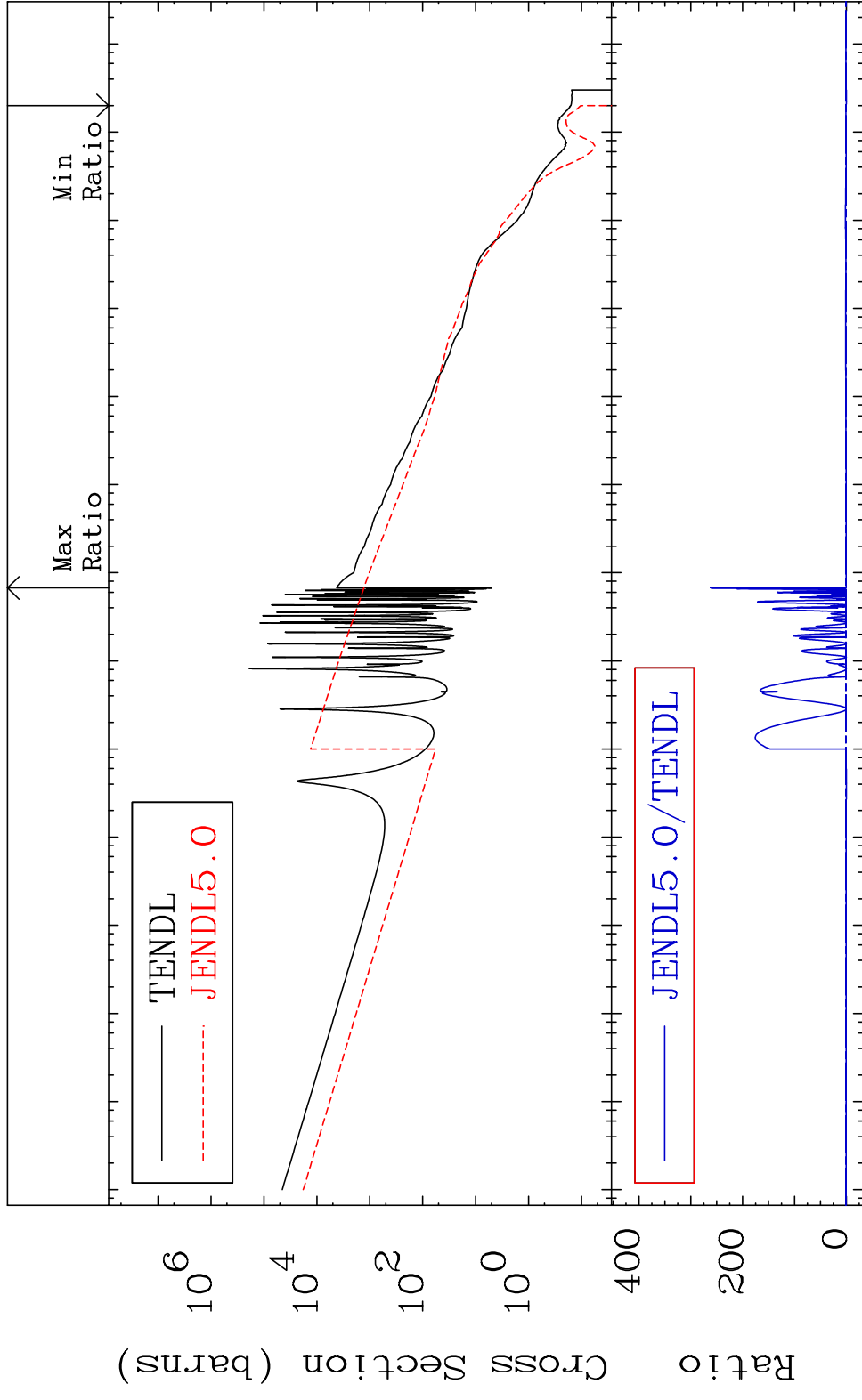


MAT 7122 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-174  
 Cross Section -100.0 To 9999. %



MAT 7122

Kerma capture (mt102) 71-Lu-174  
Cross Section -100.0 To 9999. %



60

Incident Energy (eV)

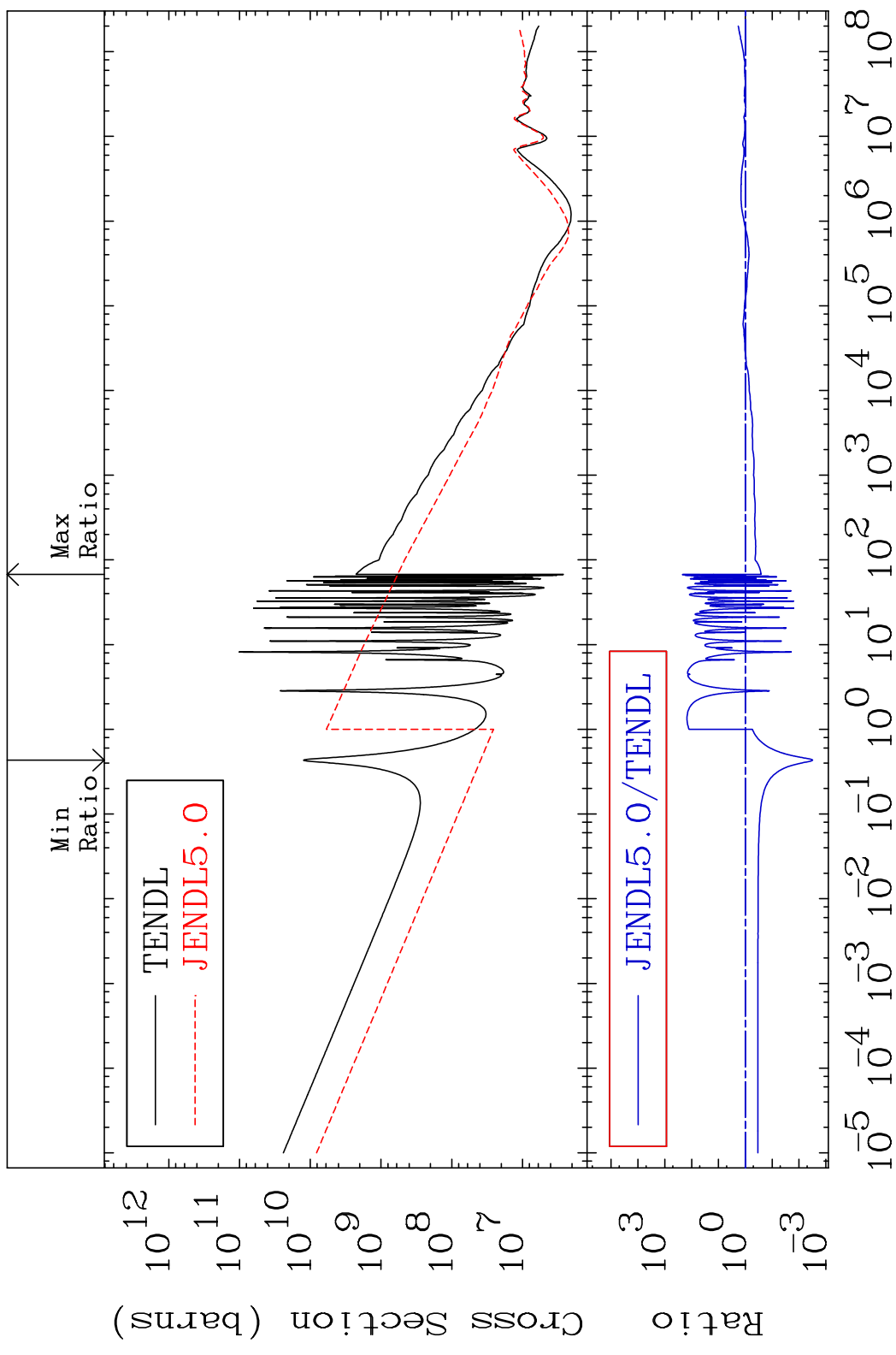
71-Lu-174

MAT 7122

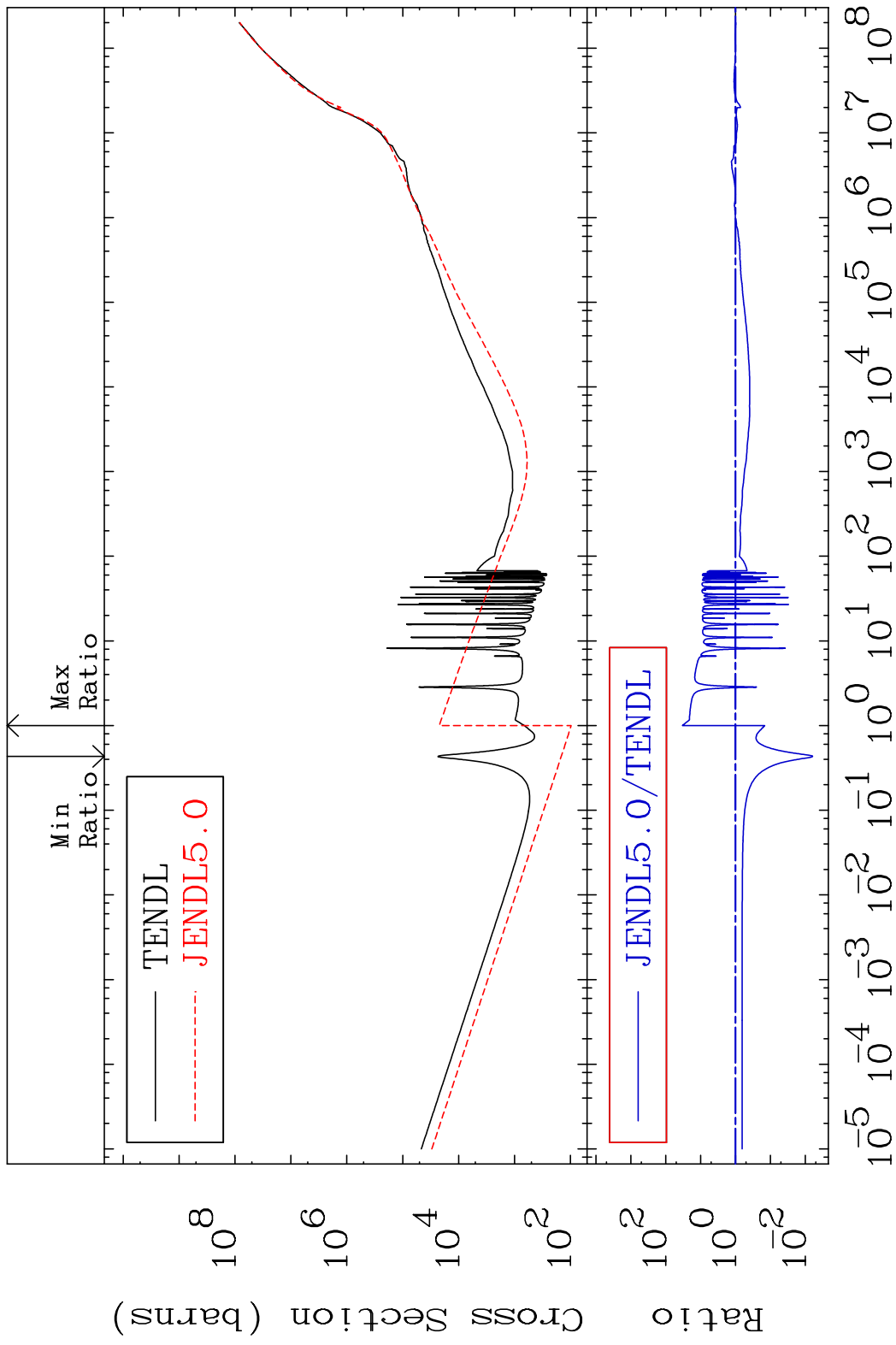
Total photon (eV-barns)

71-Lu-174

Cross Section -99.69 To 9999. %



MAT 7122 Total kinematic kerma (high limit) 71-Lu-174  
 Cross Section -99.38 To 3235. %

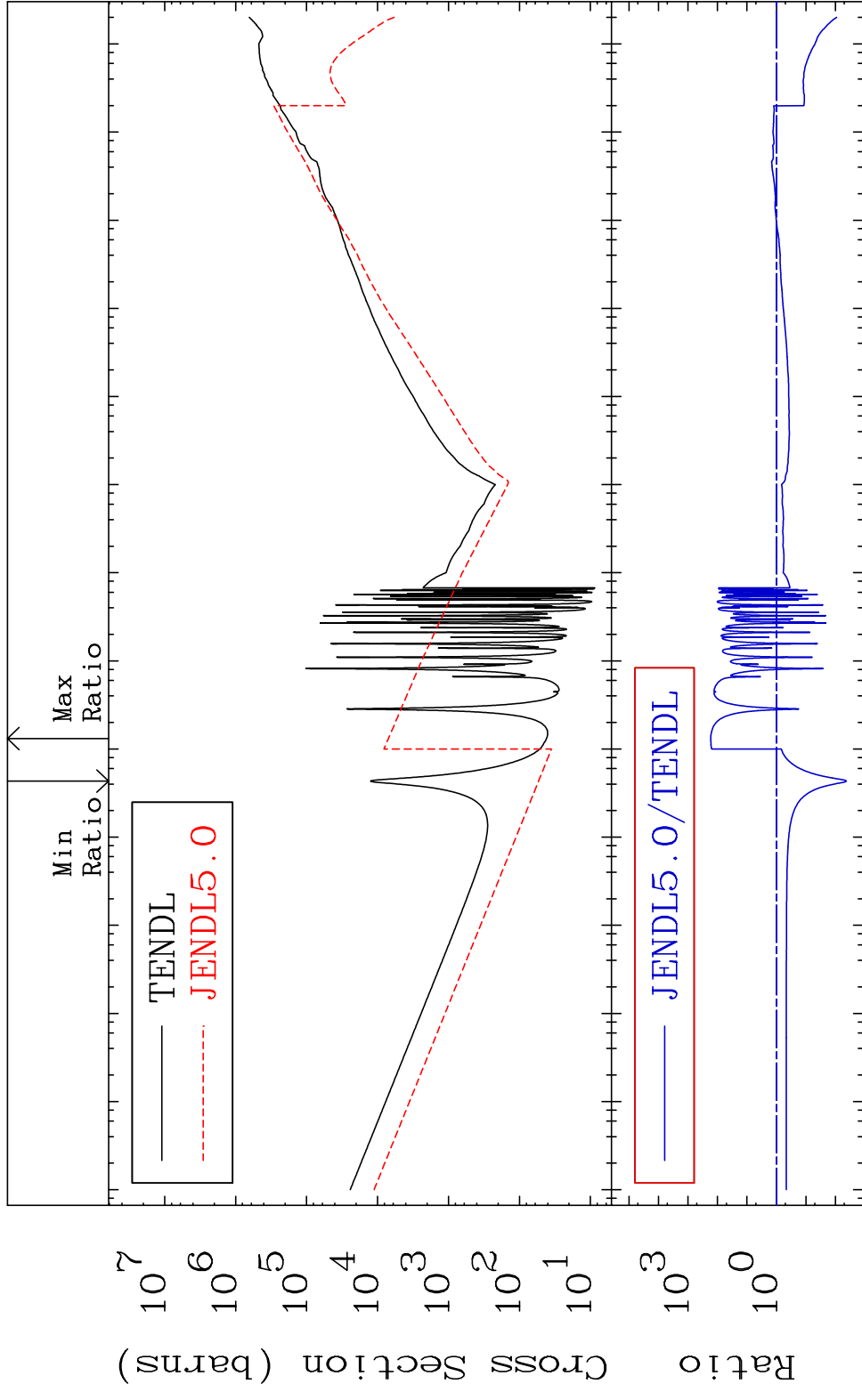


MAT 7122

Dpa total (eV-barns)

71-Lu-174

Cross Section -99.57 To 9999. %



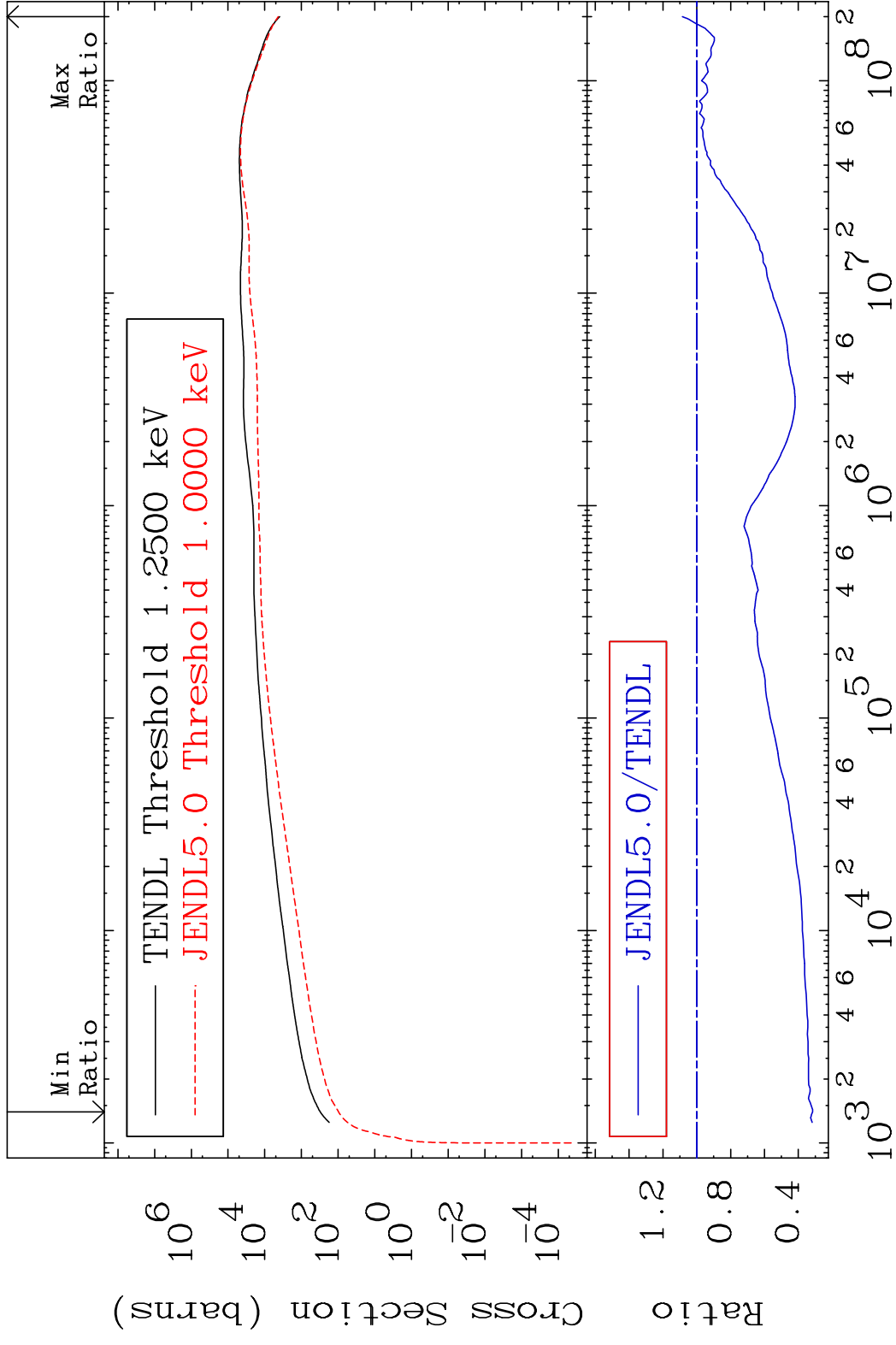


MAT 7122

Dpa elastic (mt2)

71-Lu-174

Cross Section -68.40 To 8.519 %

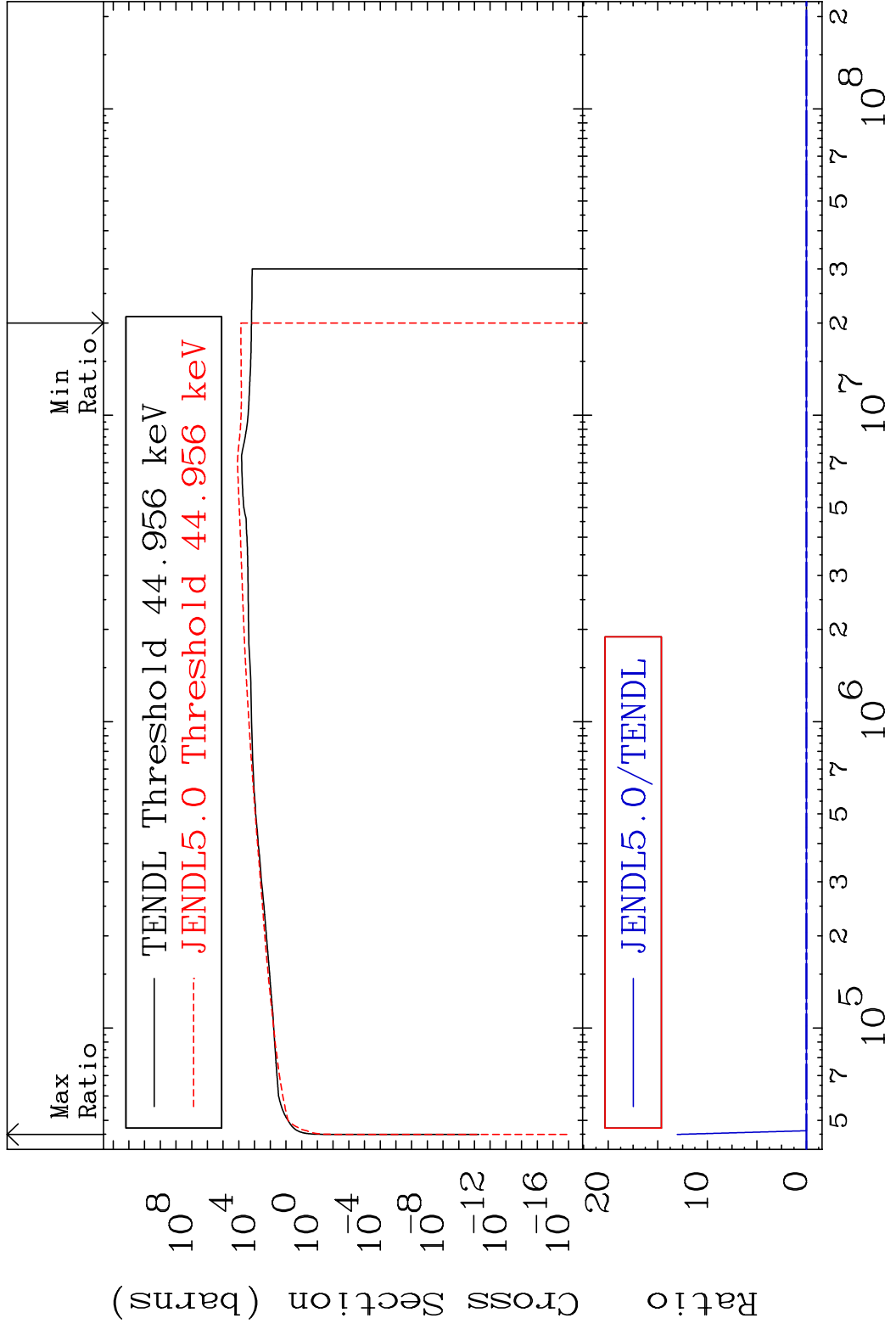


64

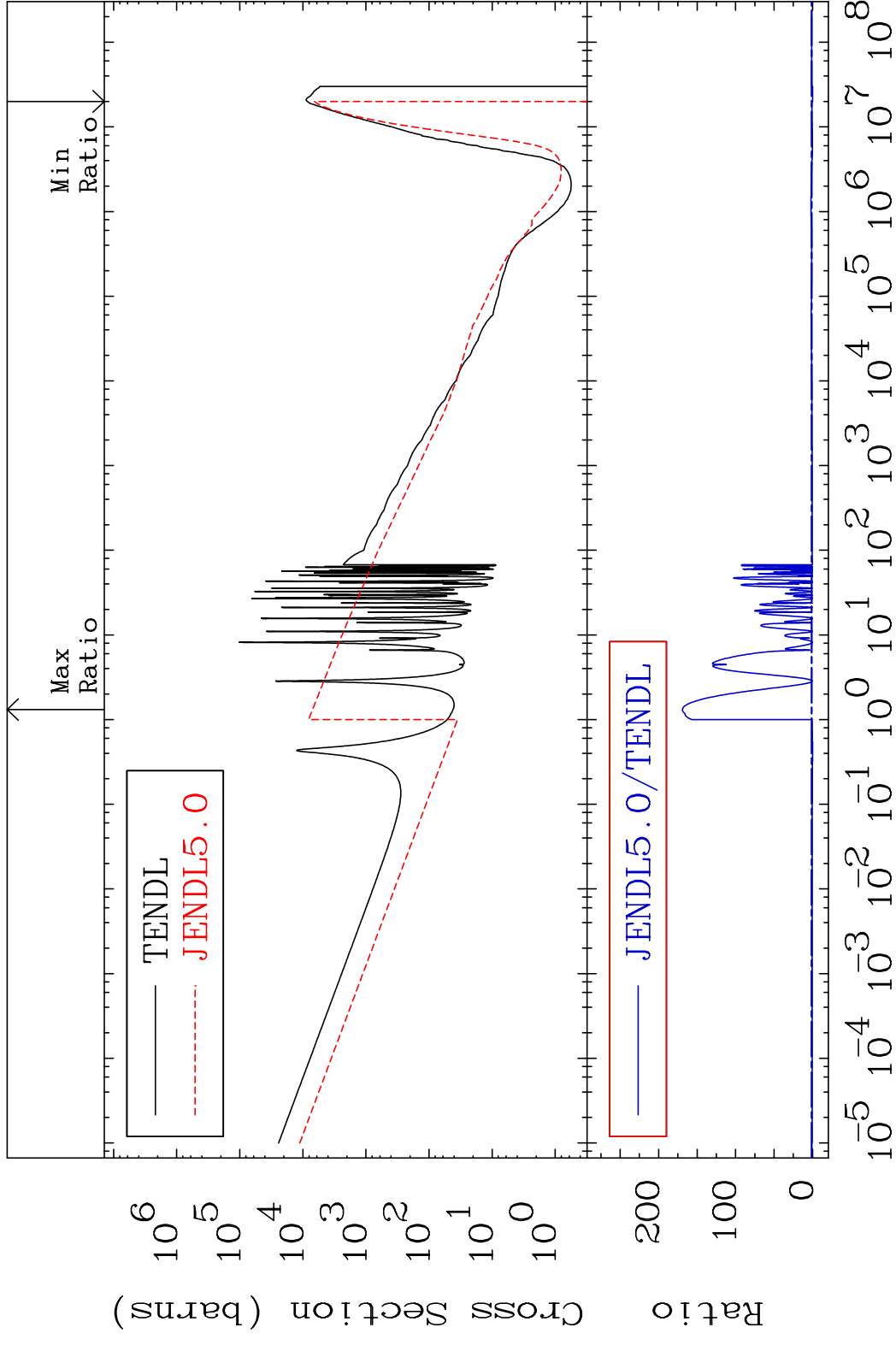
Incident Energy (eV)

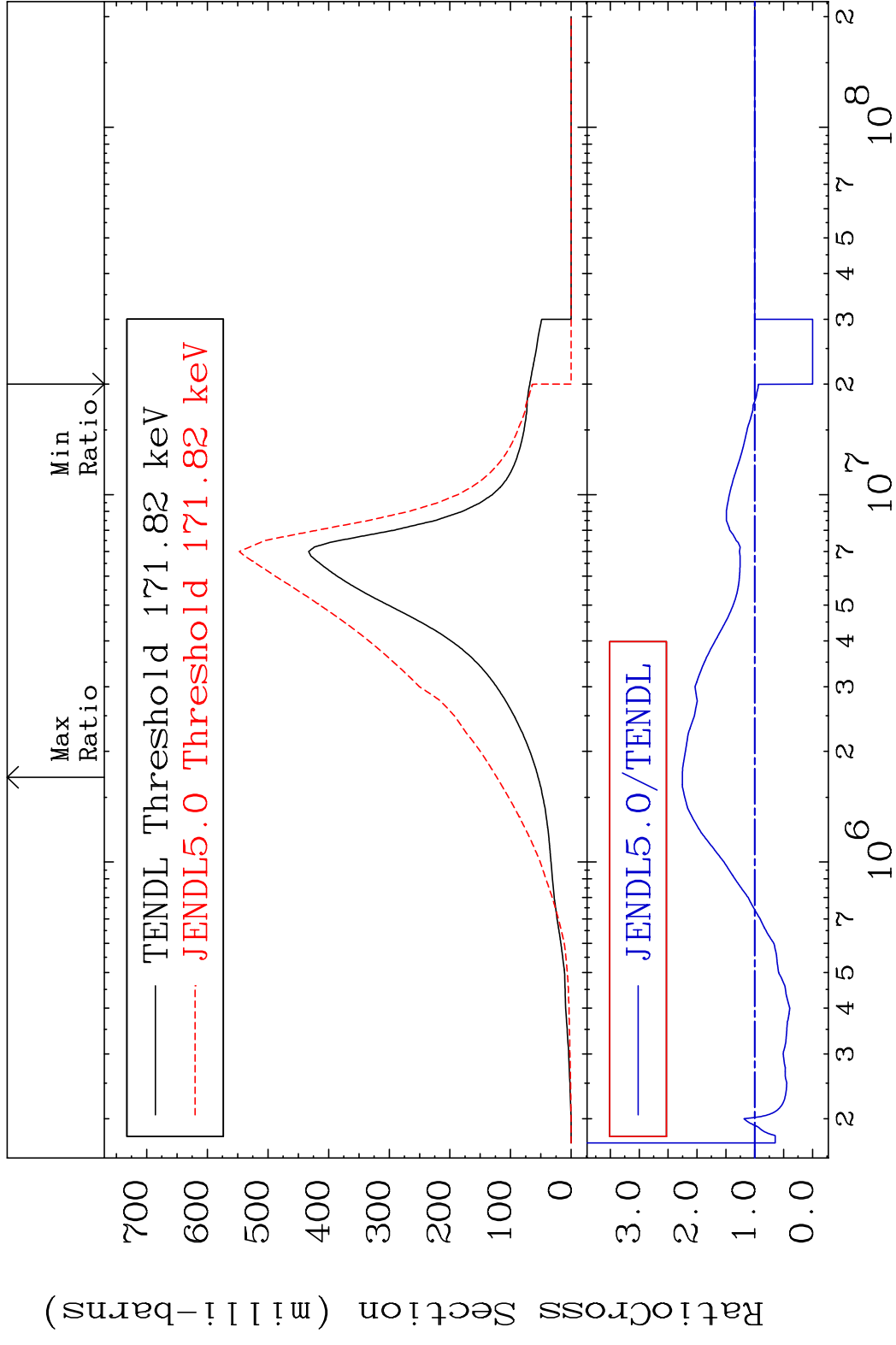
71-Lu-174

MAT 7122      Dpa inelastic (mt51-91)      71-Lu-174  
 Cross Section      -100.0 To 9999. %

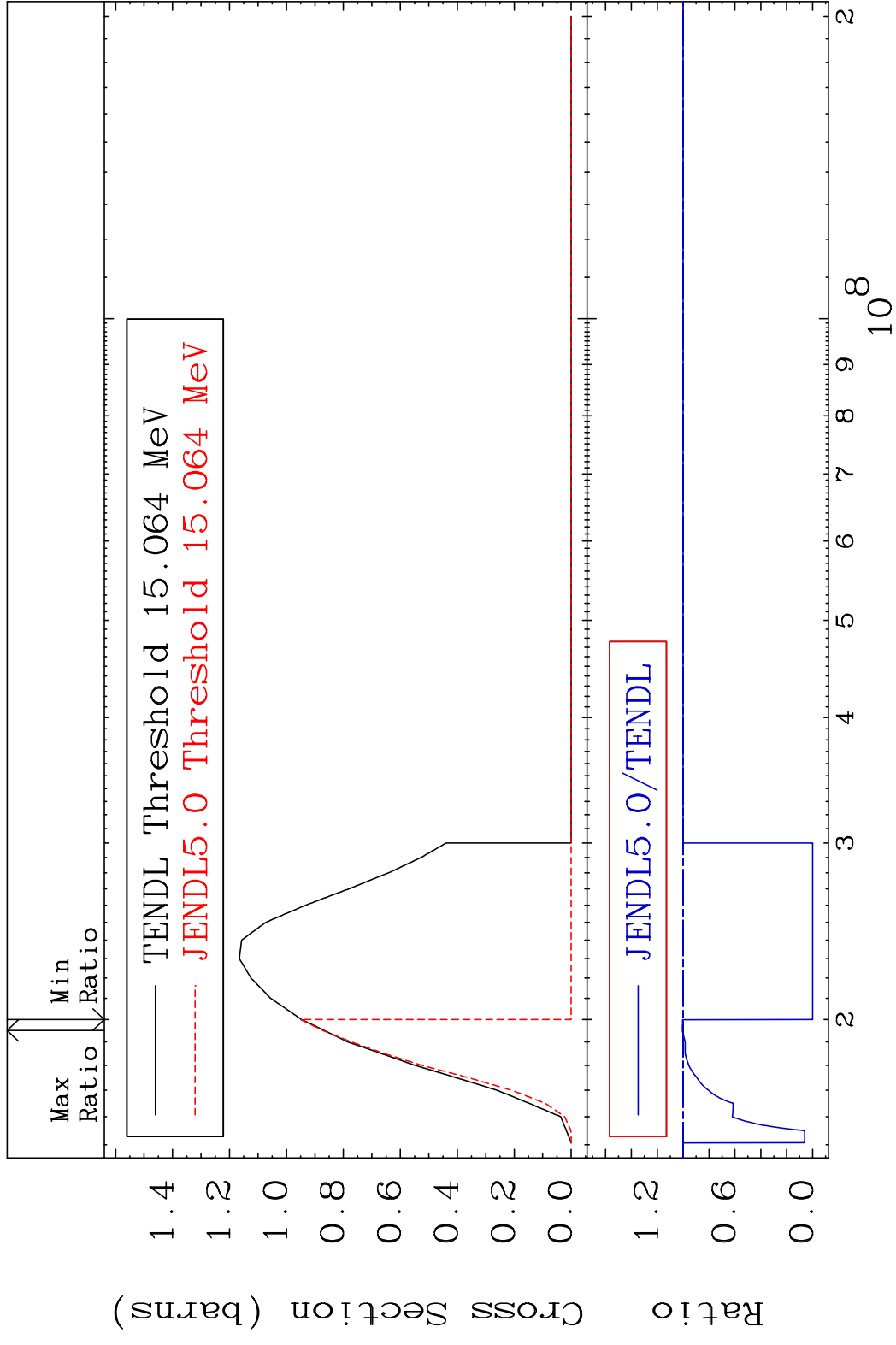


MAT 7122 Dpa disappearance (mt102 -120) 71-Lu-174  
 Cross Section -100.0 To 9999. %

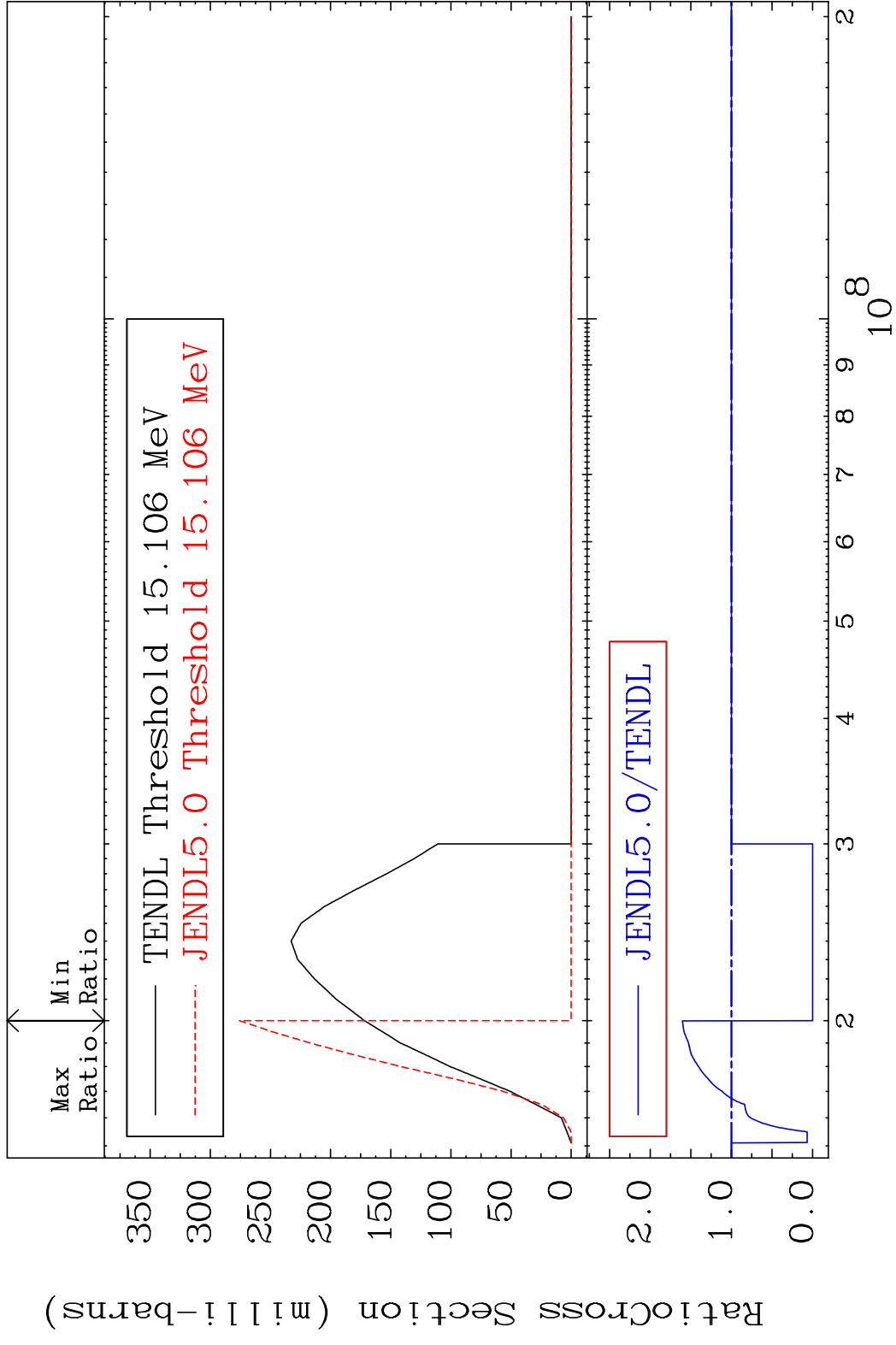




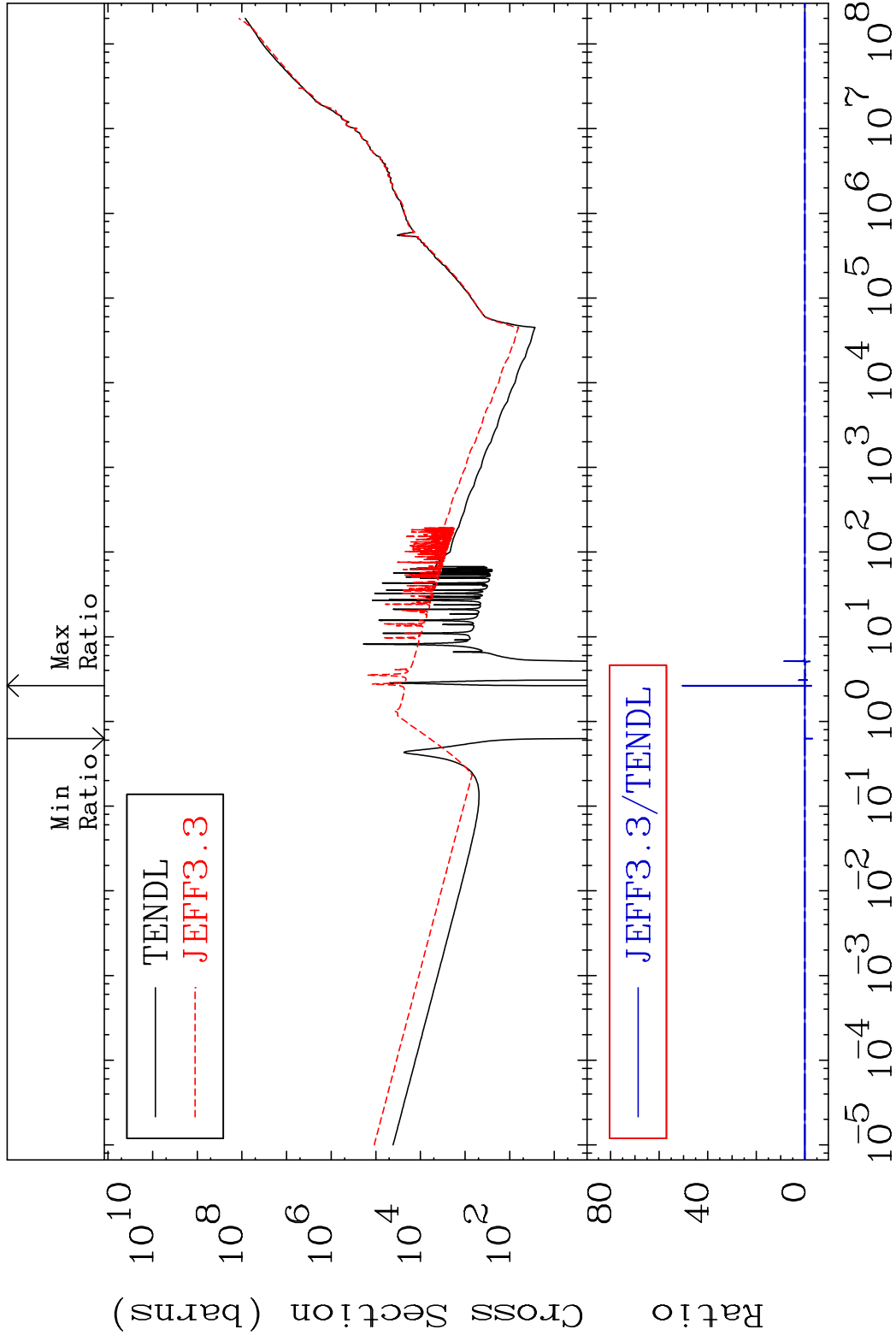
MAT 7122 (n,3n):71-Lu-172g 71-Lu-174  
 Radionuclide Production Cross Section 180.01 dth 0.622 %



MAT 7122 (n, 3n): 71-Lu-172m1 71-Lu-174  
 Radionuclide Production Cross Section Ratio 60.40 %

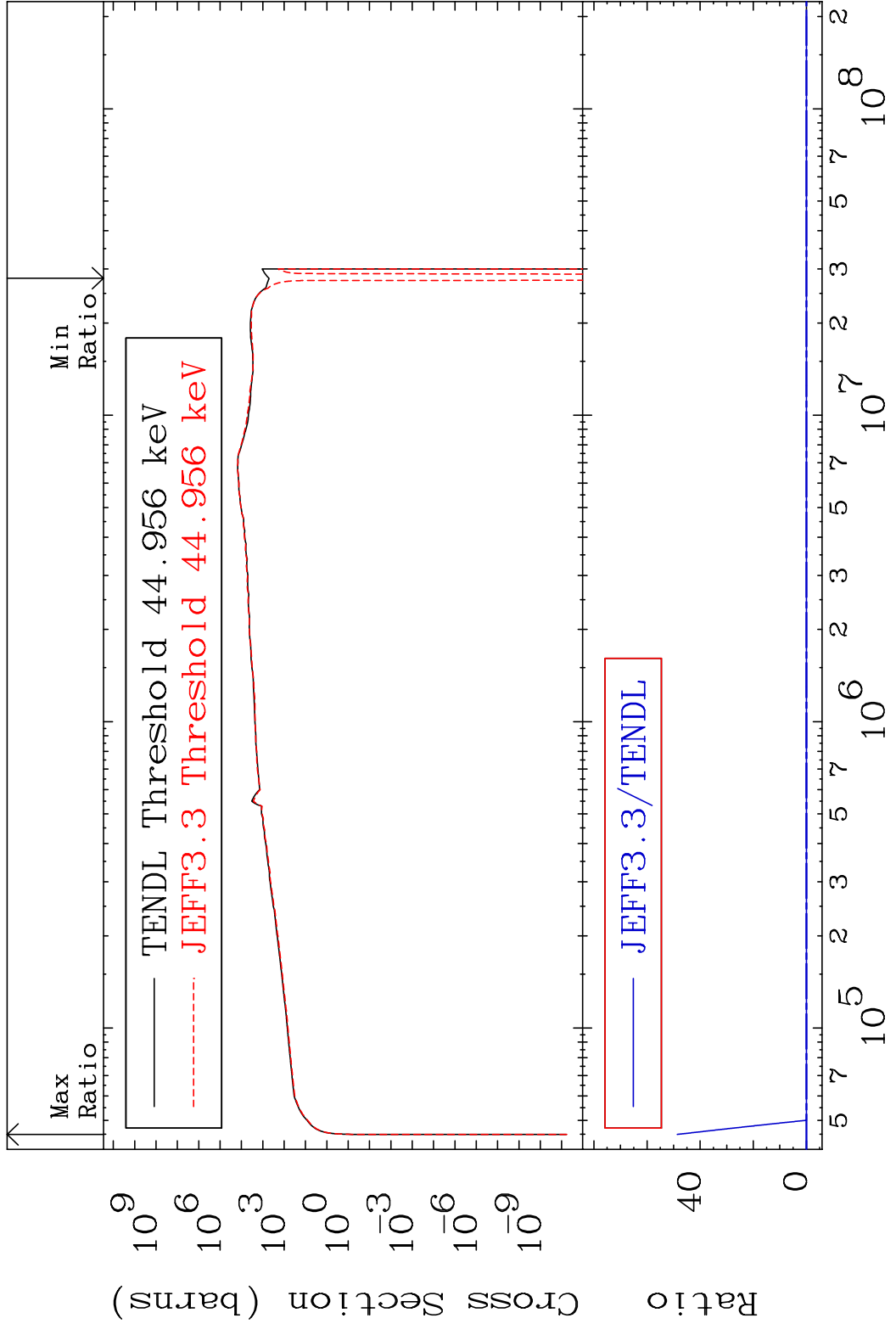


MAT 7122 Kerma non-elastic (all but mt2) 71-Lu-174  
 Cross Section -9999. To 9999. %



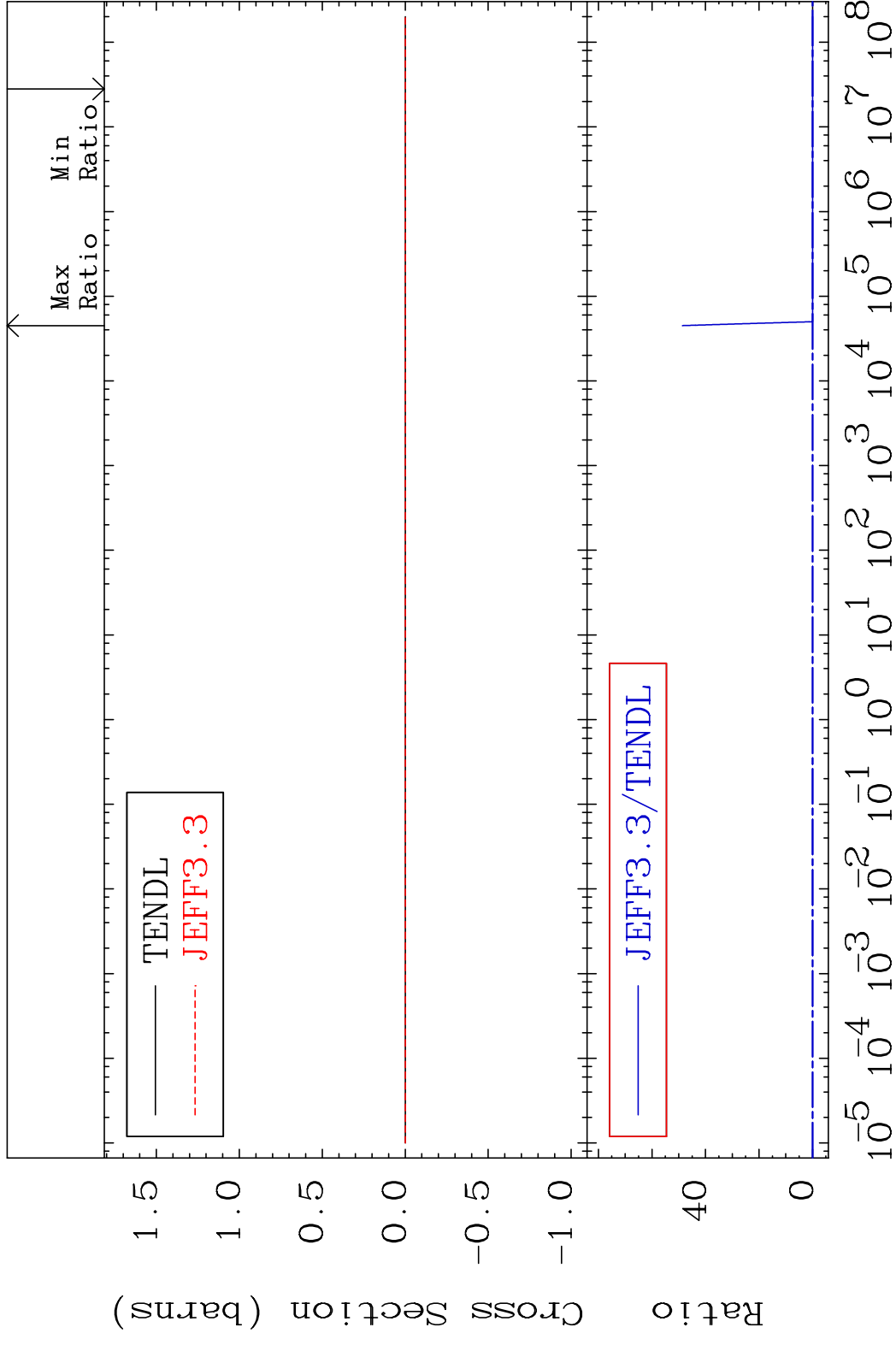
70 Incident Energy (eV) 71-Lu-174

MAT 7122 Kerma inelastic (mt51-91) 71-Lu-174  
 Cross Section -131.4 To 9999. %



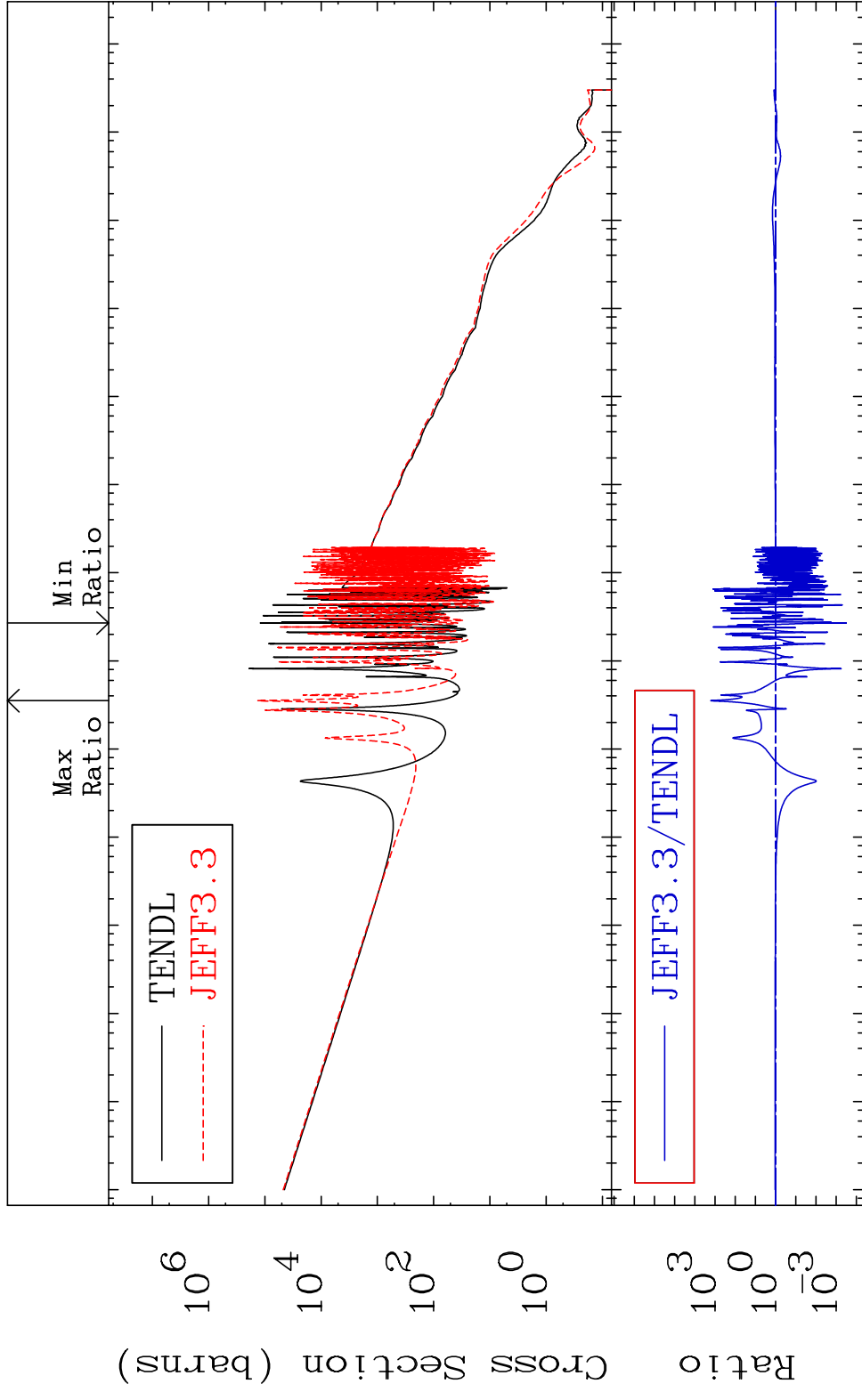


MAT 7122 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-174  
 Cross Section -131.4 To 9999. %



MAT 7122

Kerma capture (mt102) 71-Lu-174  
Cross Section -99.97 To 9999. %



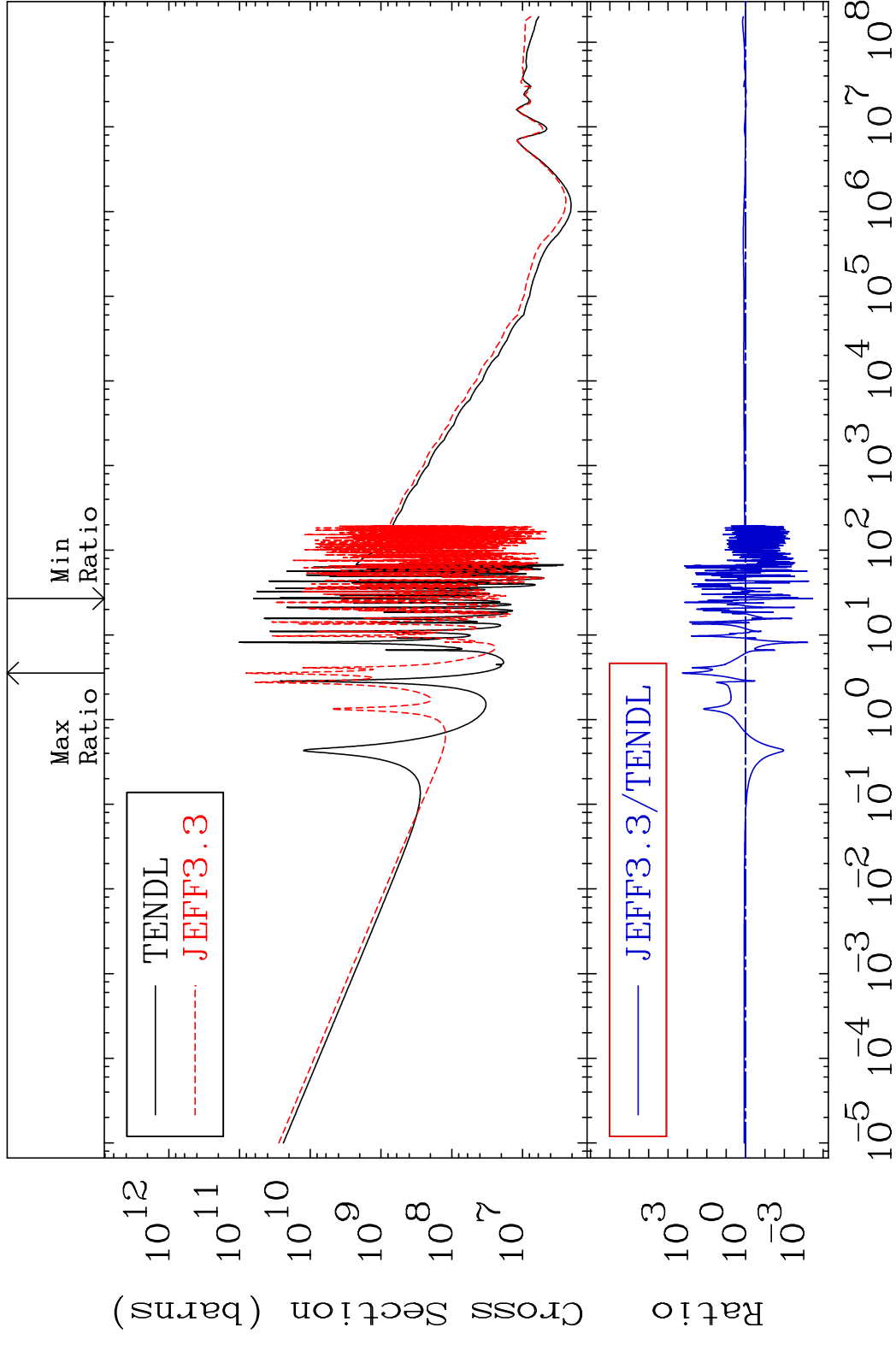
73

Incident Energy (eV)

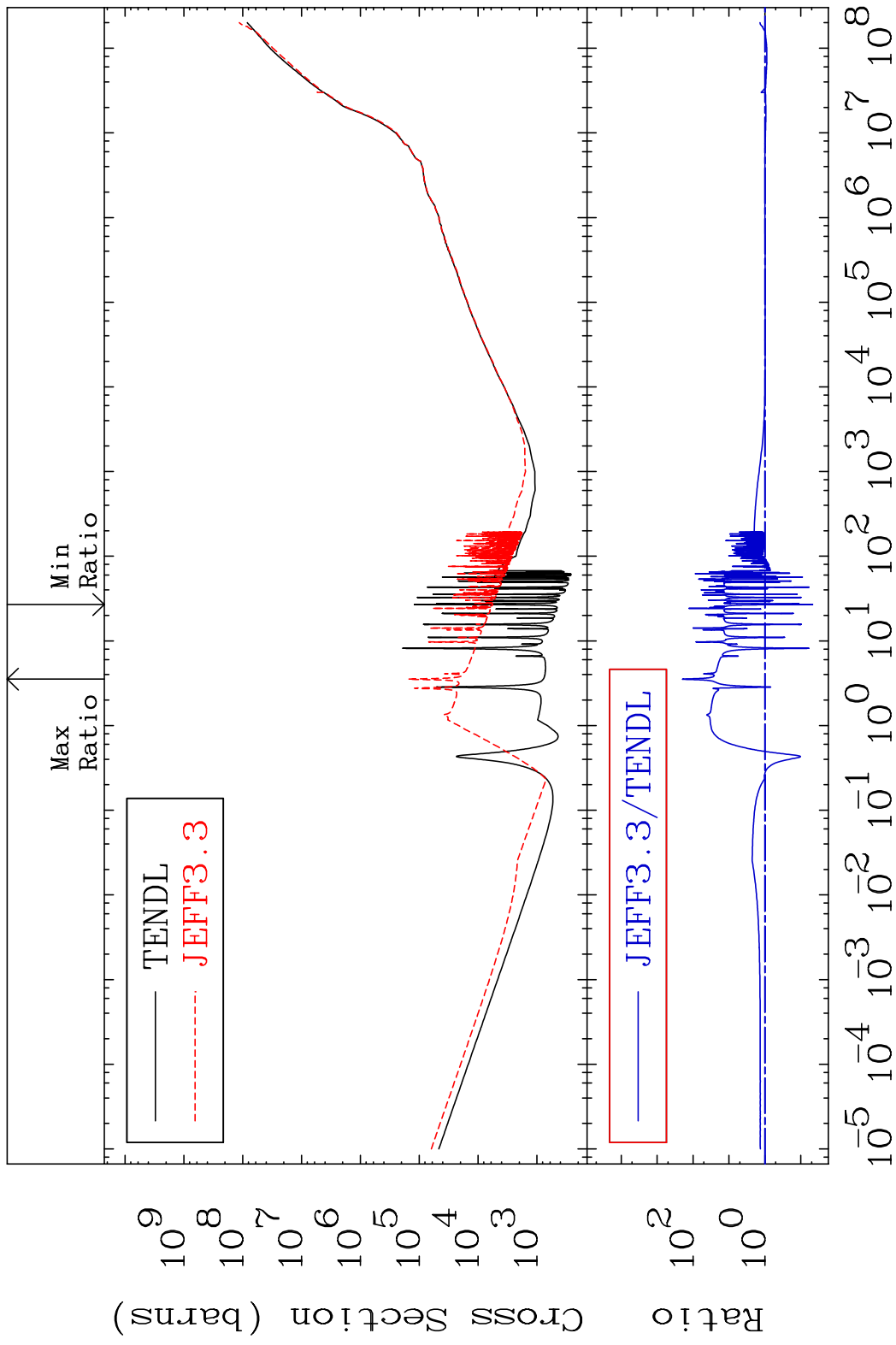
71-Lu-174

MAT 7122

Total photon (eV-barns) 71-Lu-174  
Cross Section -99.97 To 9999. %



MAT 7122 Total kinematic kerma (high limit) 71-Lu-174  
 Cross Section -95.29 To 9999. %

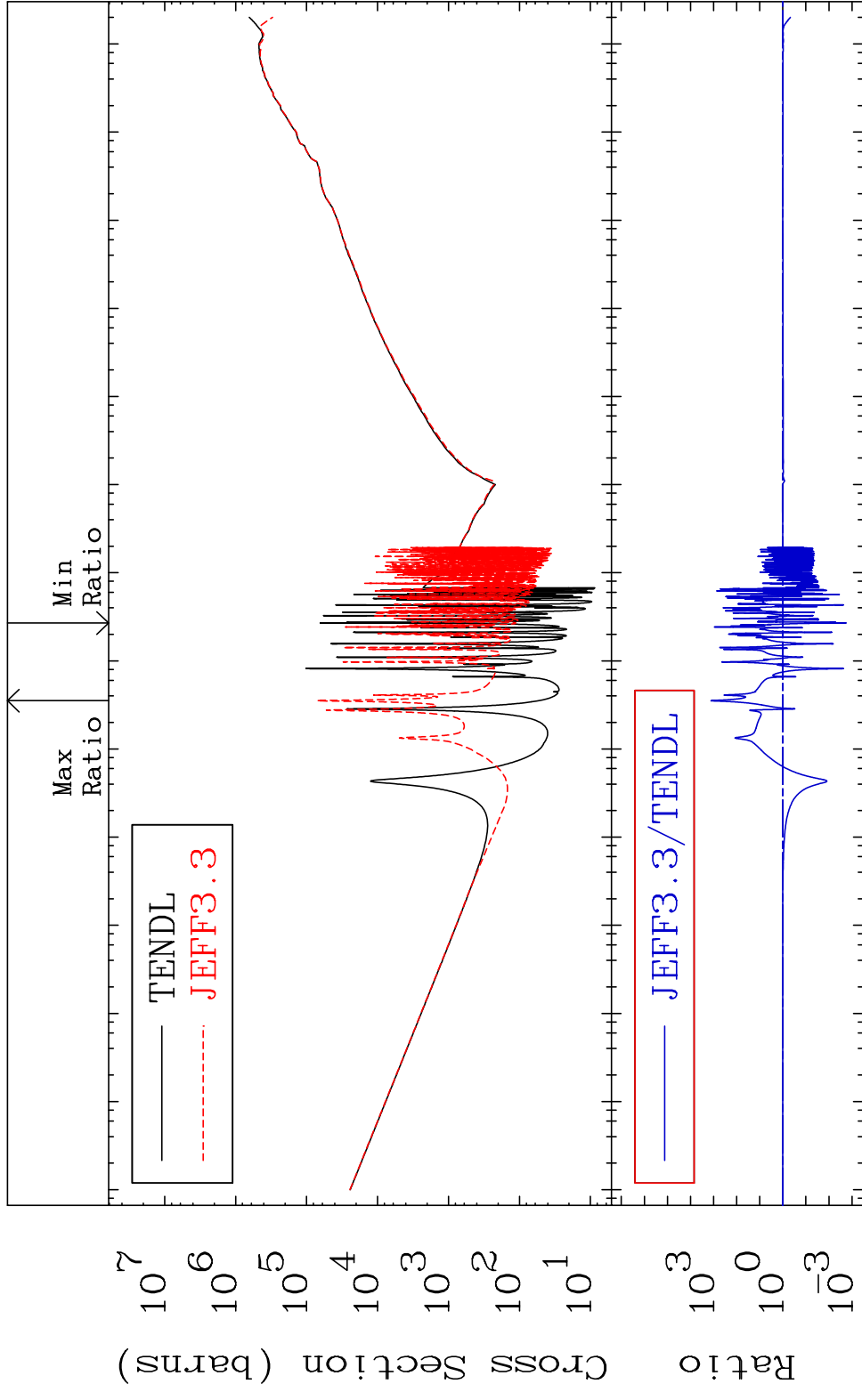


MAT 7122

Dpa total (eV-barns)

71-Lu-174

Cross Section -99.82 To 9999. %



76

Incident Energy (eV)

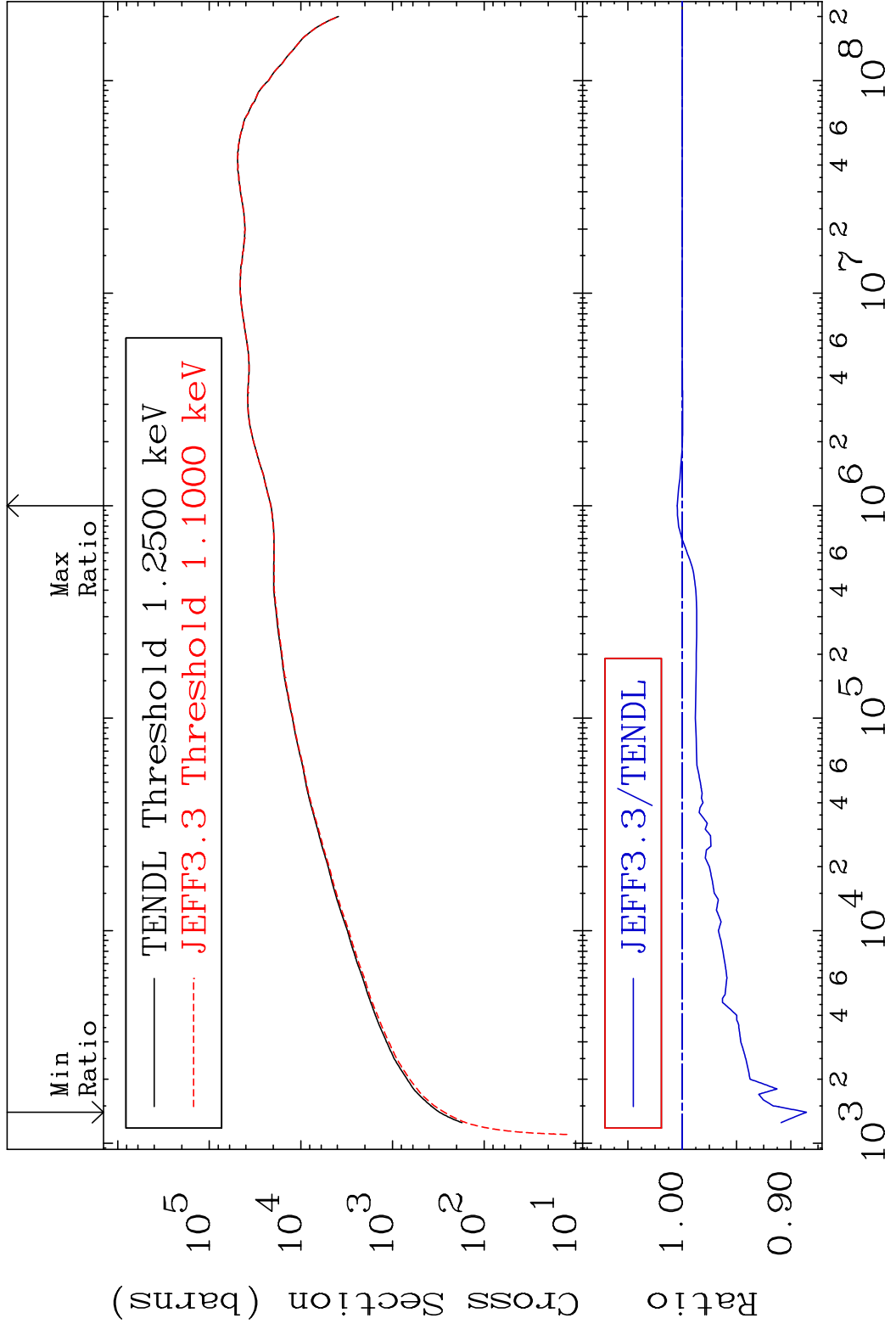
71-Lu-174

MAT 7122

Dpa elastic (mt2)

71-Lu-174

Cross Section -11.44 To 0.461 %



77

Incident Energy (eV)

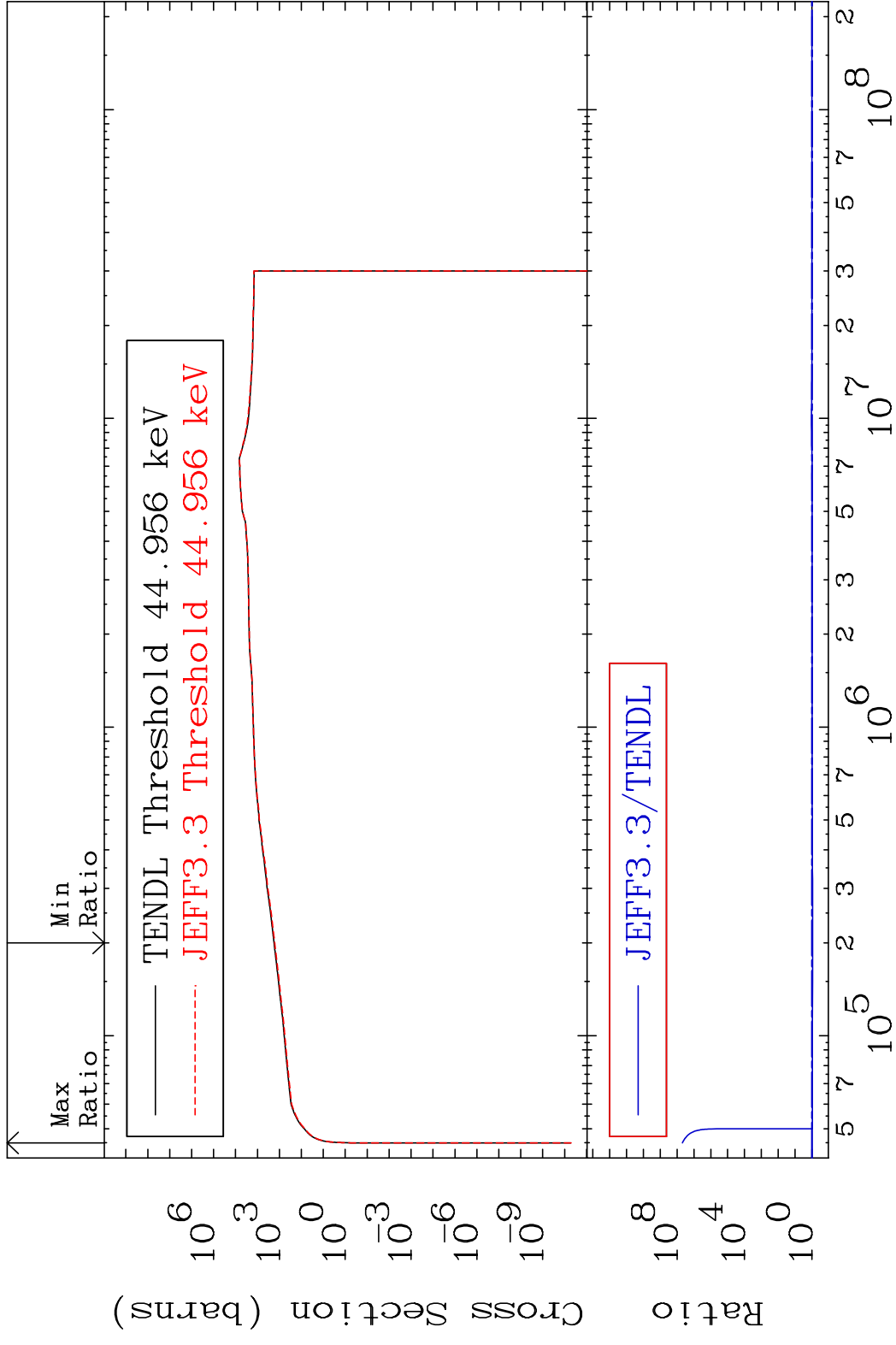
71-Lu-174

MAT 7122

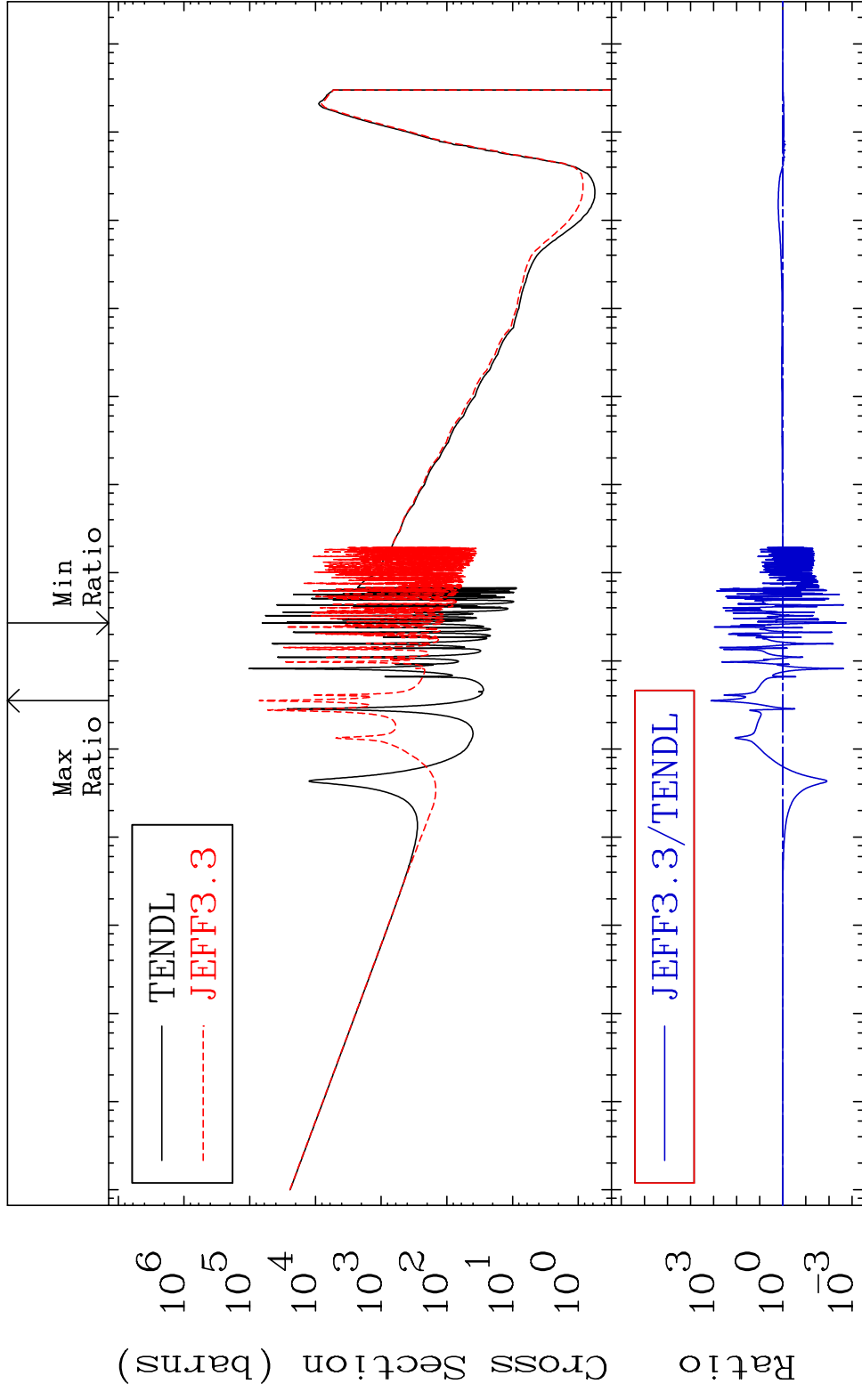
Dpa inelastic (mt51-91)

71-Lu-174

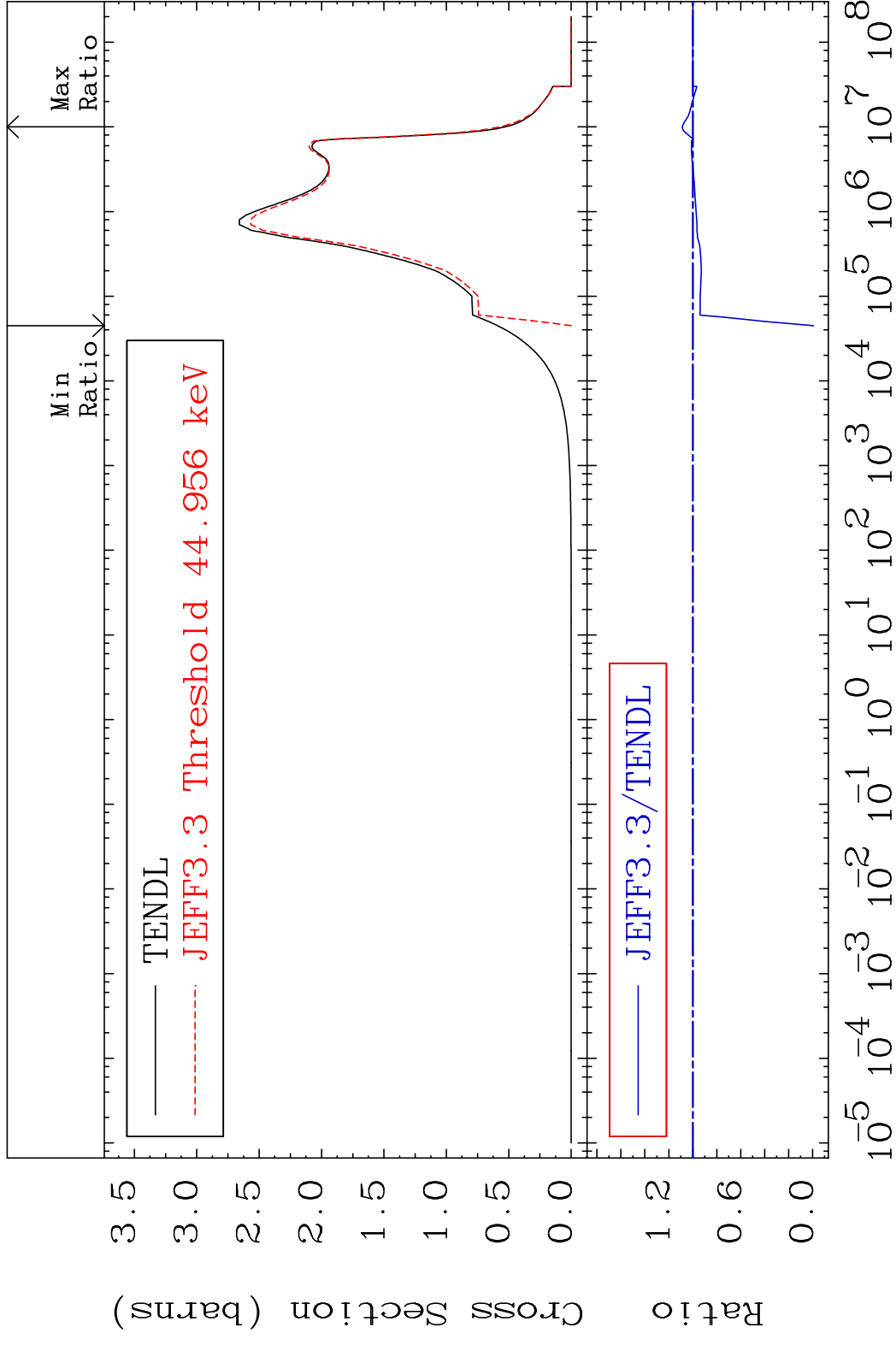
Cross Section -7.049 To 9999. %

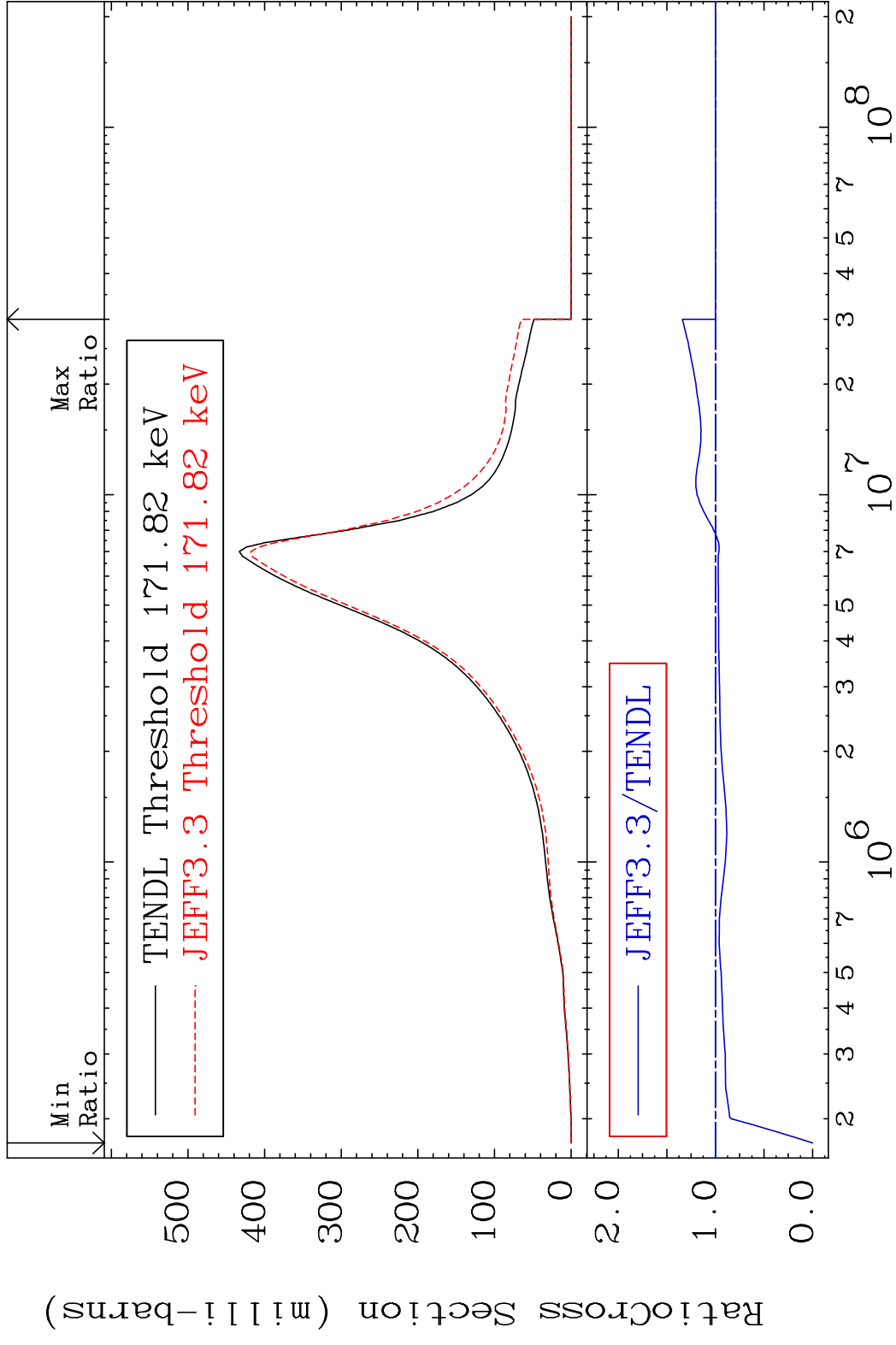


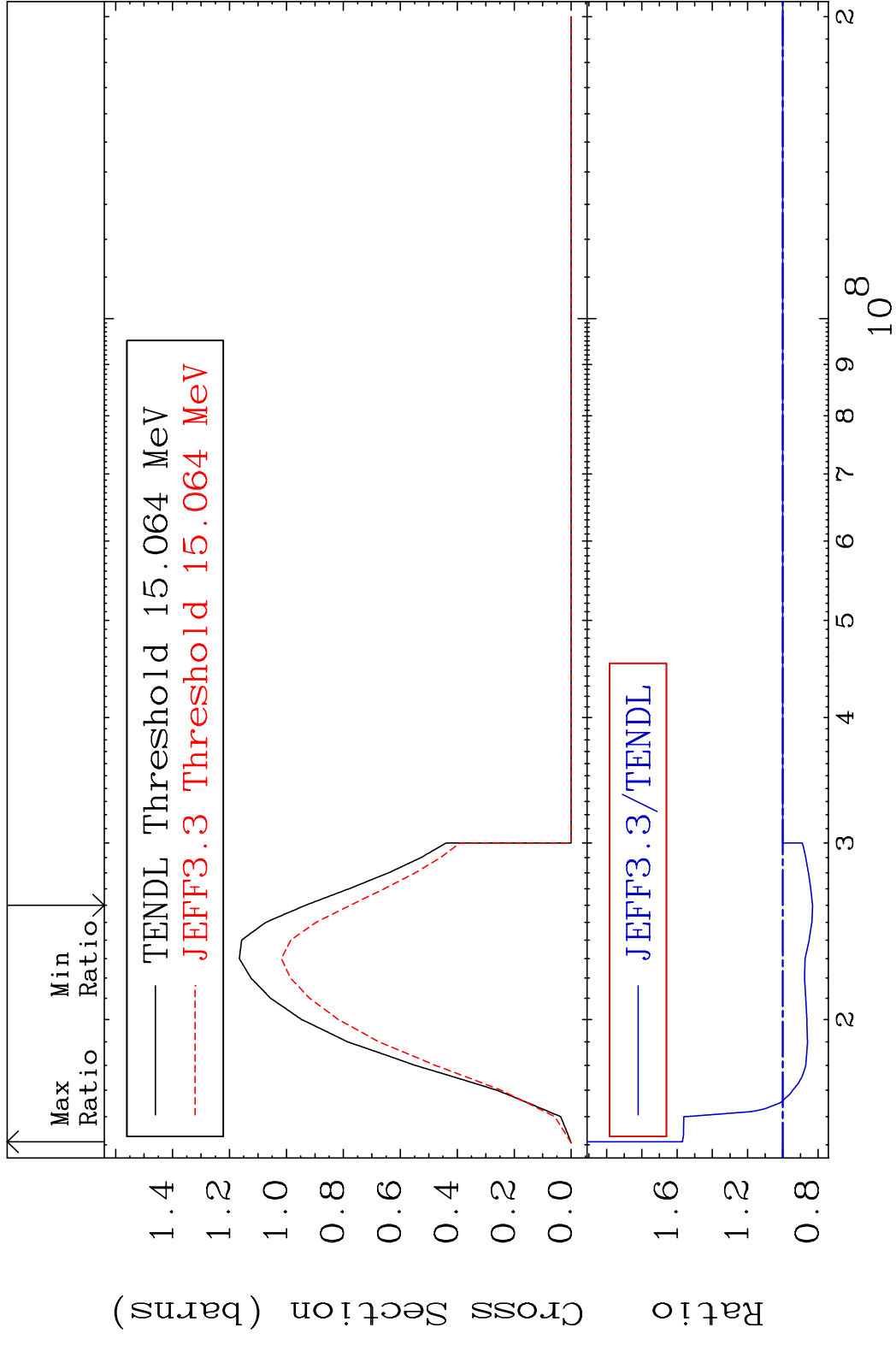
MAT 7122 Dpa disappearance (mt102 -120) 71-Lu-174  
 Cross Section -99.82 To 9999. %

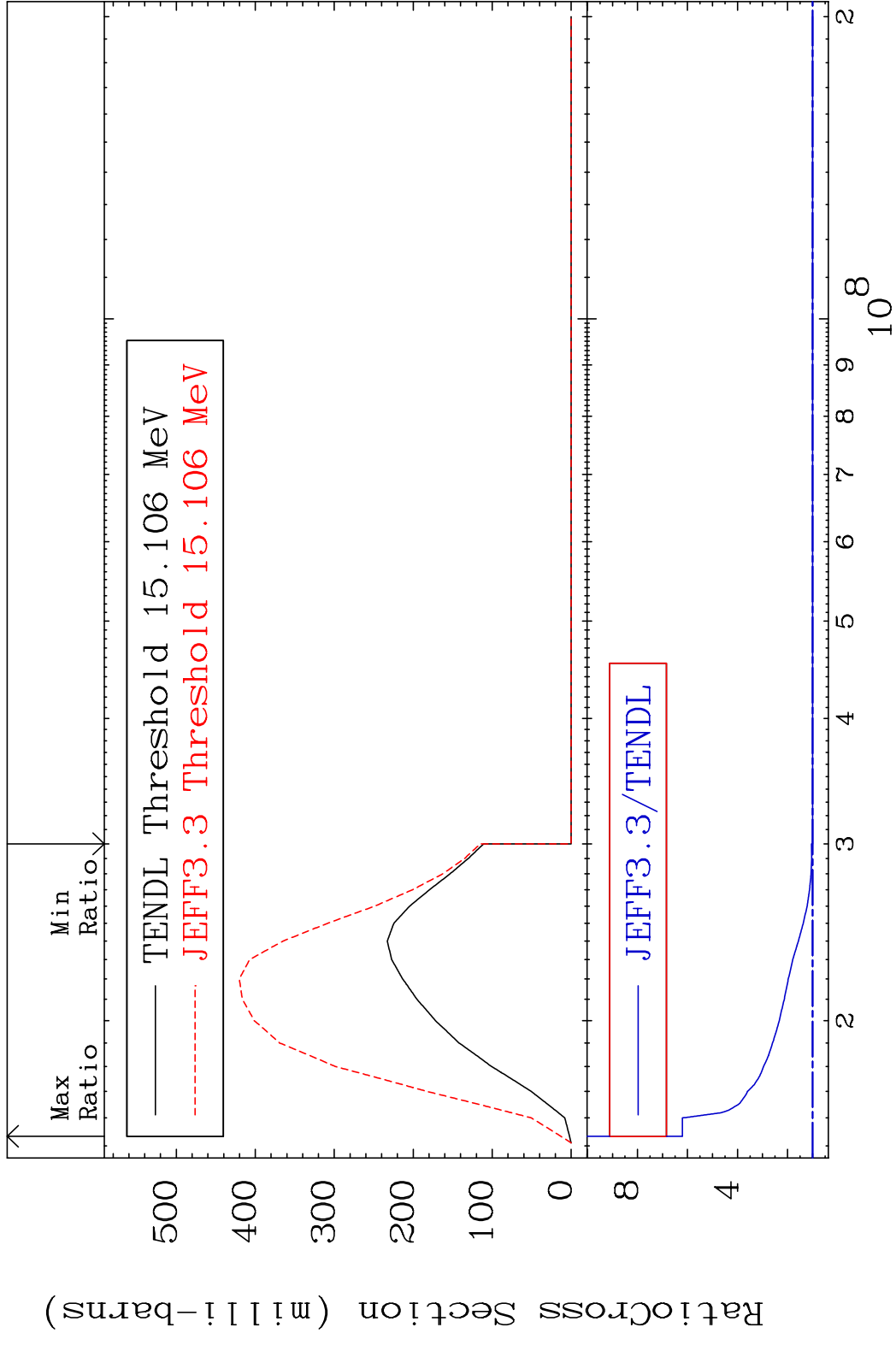




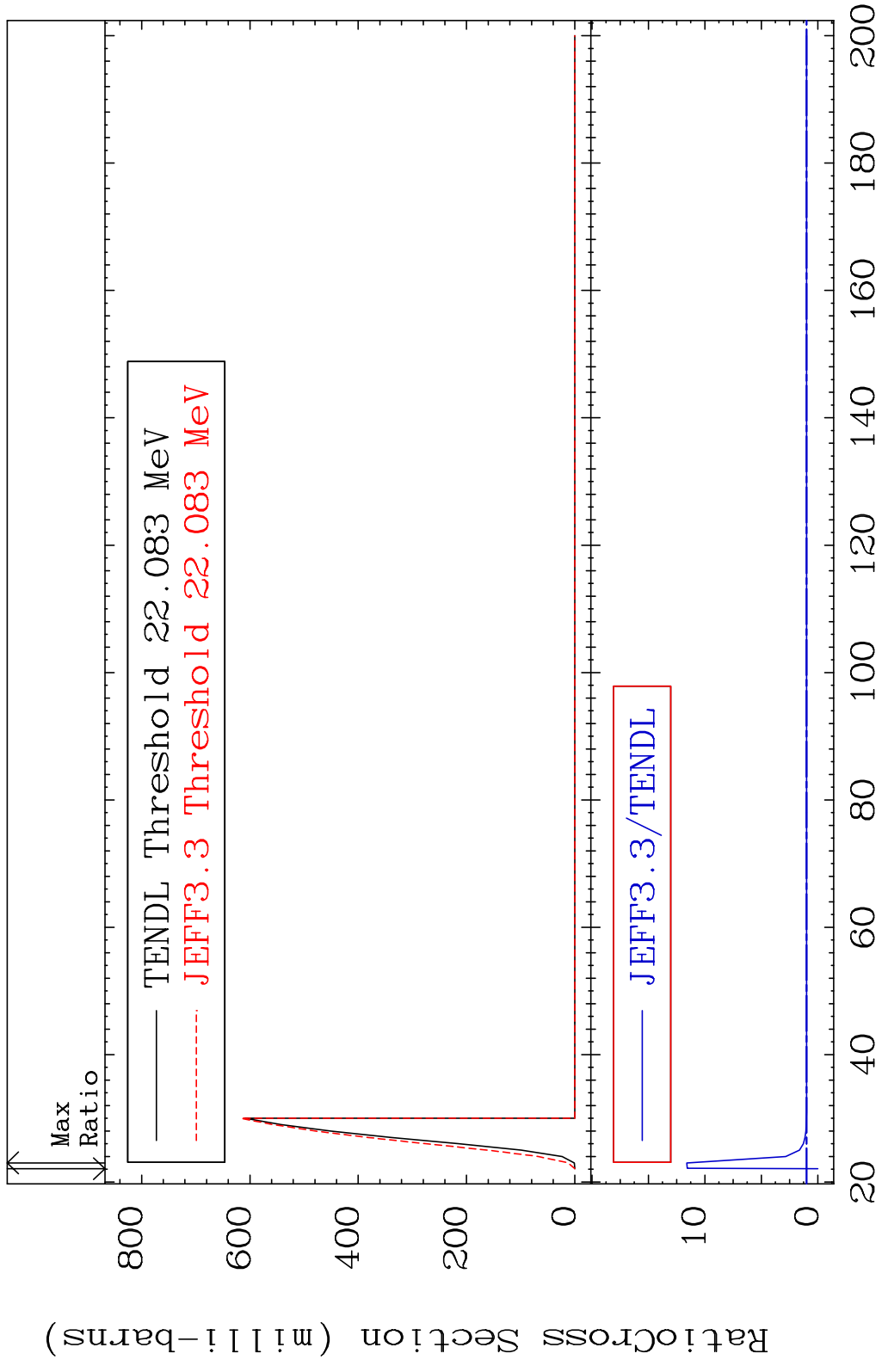








MAT 7122 (n,4n):71-Lu-171g 71-Lu-174  
 Radionuclide Production Cross Section 1061.0 %



MAT 7122 (n, 4n):71-Lu-171m1 71-Lu-174  
 Radionuclide Production Cross Section 1800.0 dth 1479. %

