

Program Complot  
(Version 2021-1)

by

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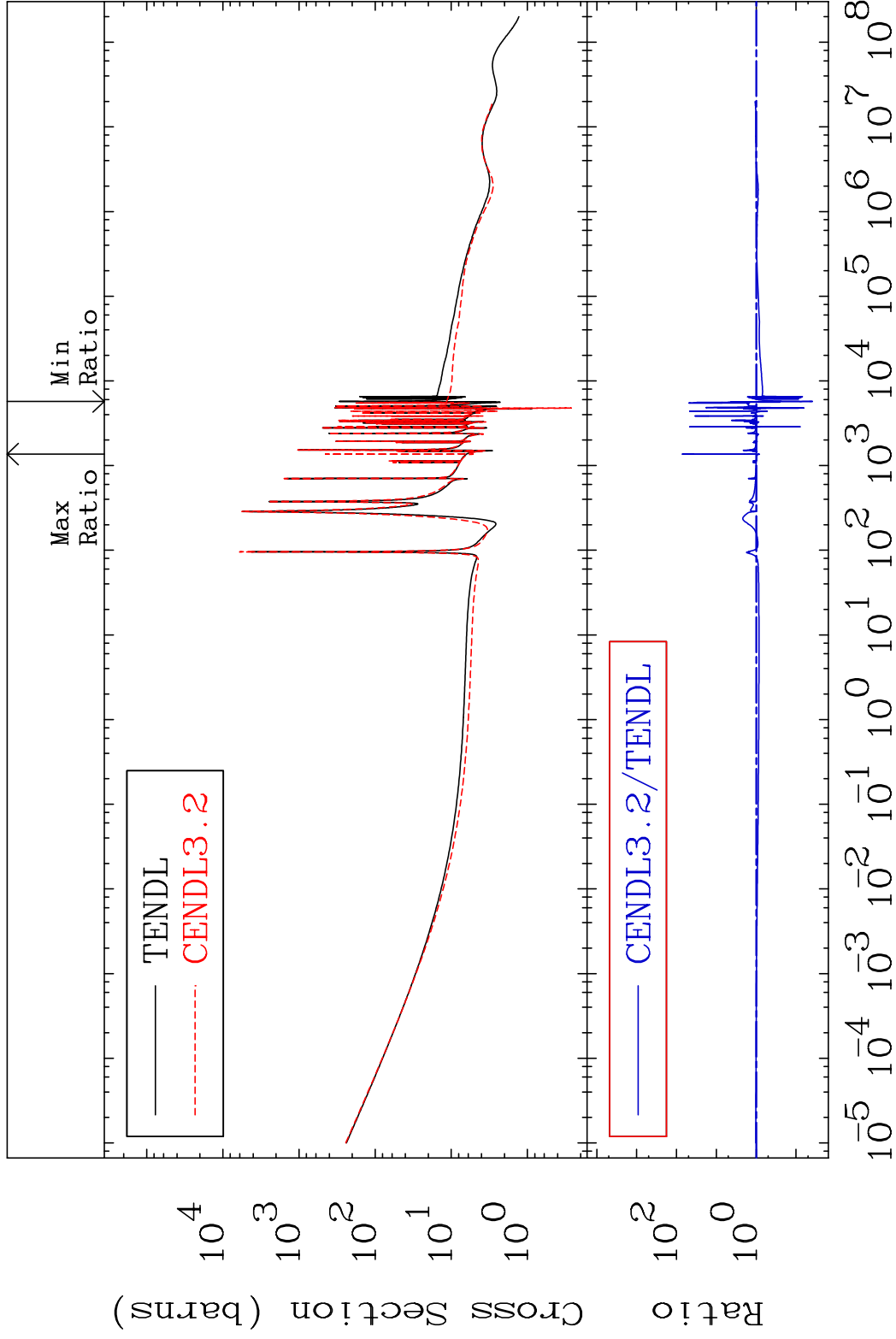
Press Mouse Button to Start

MAT 3131

Total

31-Ga-71

Cross Section -96.15 To 7021. %



1

Incident Energy (eV)

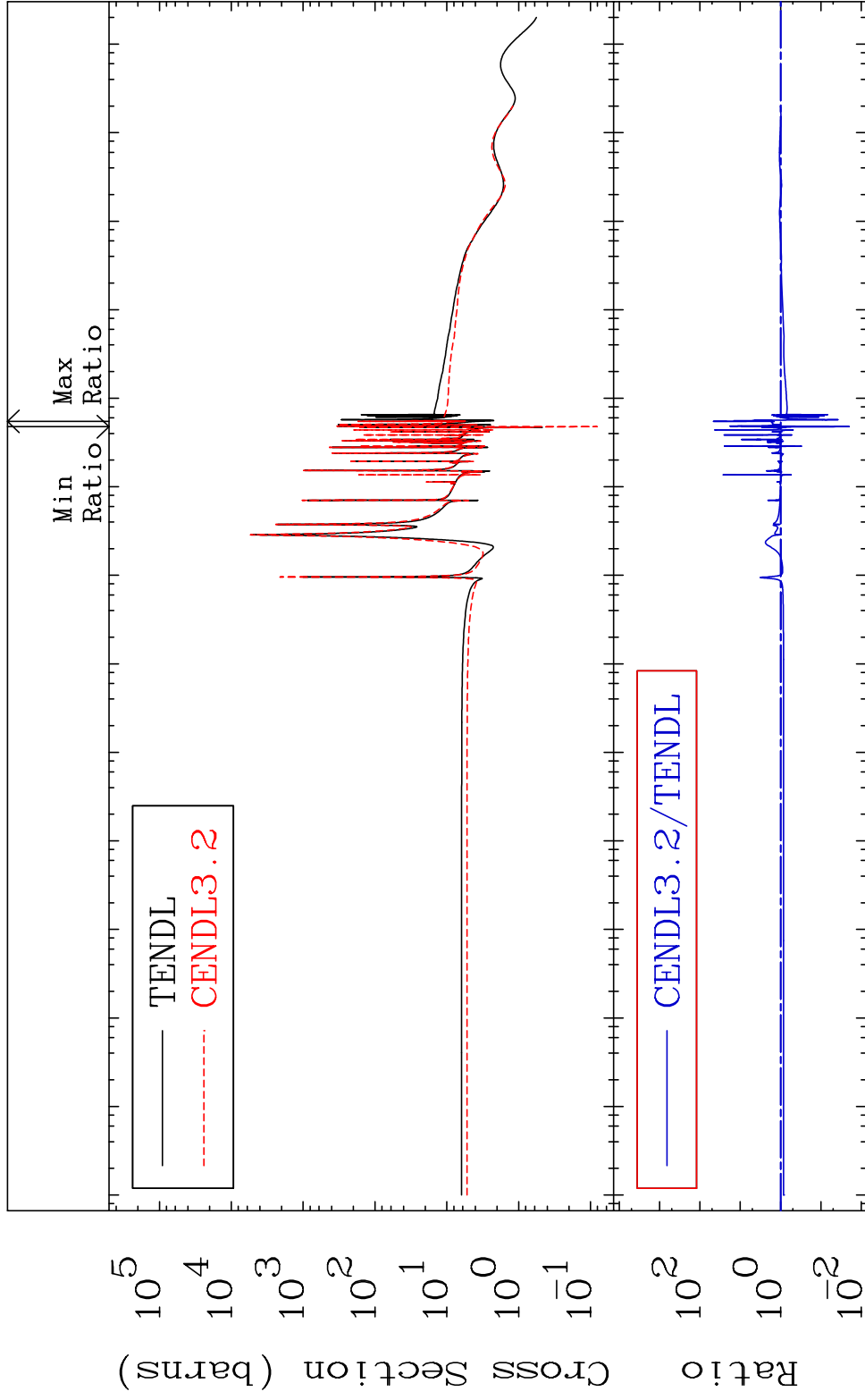
31-Ga-71

MAT 3131

Elastic

31-Ga-71

Cross Section -98.02 To 4588. %

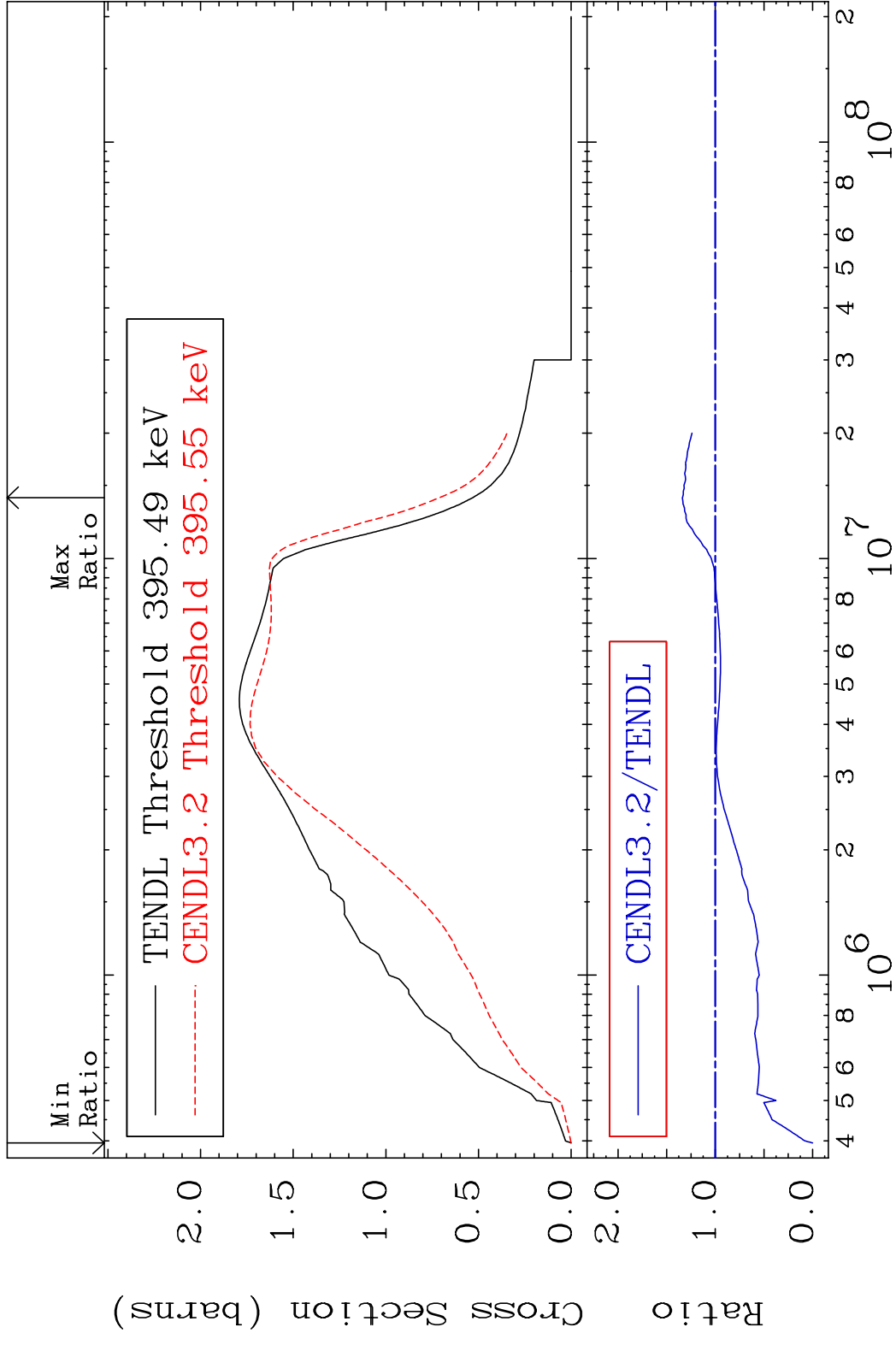


2

Incident Energy (eV)

31-Ga-71

MAT 3131 Inelastic Cross Section -100.0 To 33.87 % 31-Ga-71

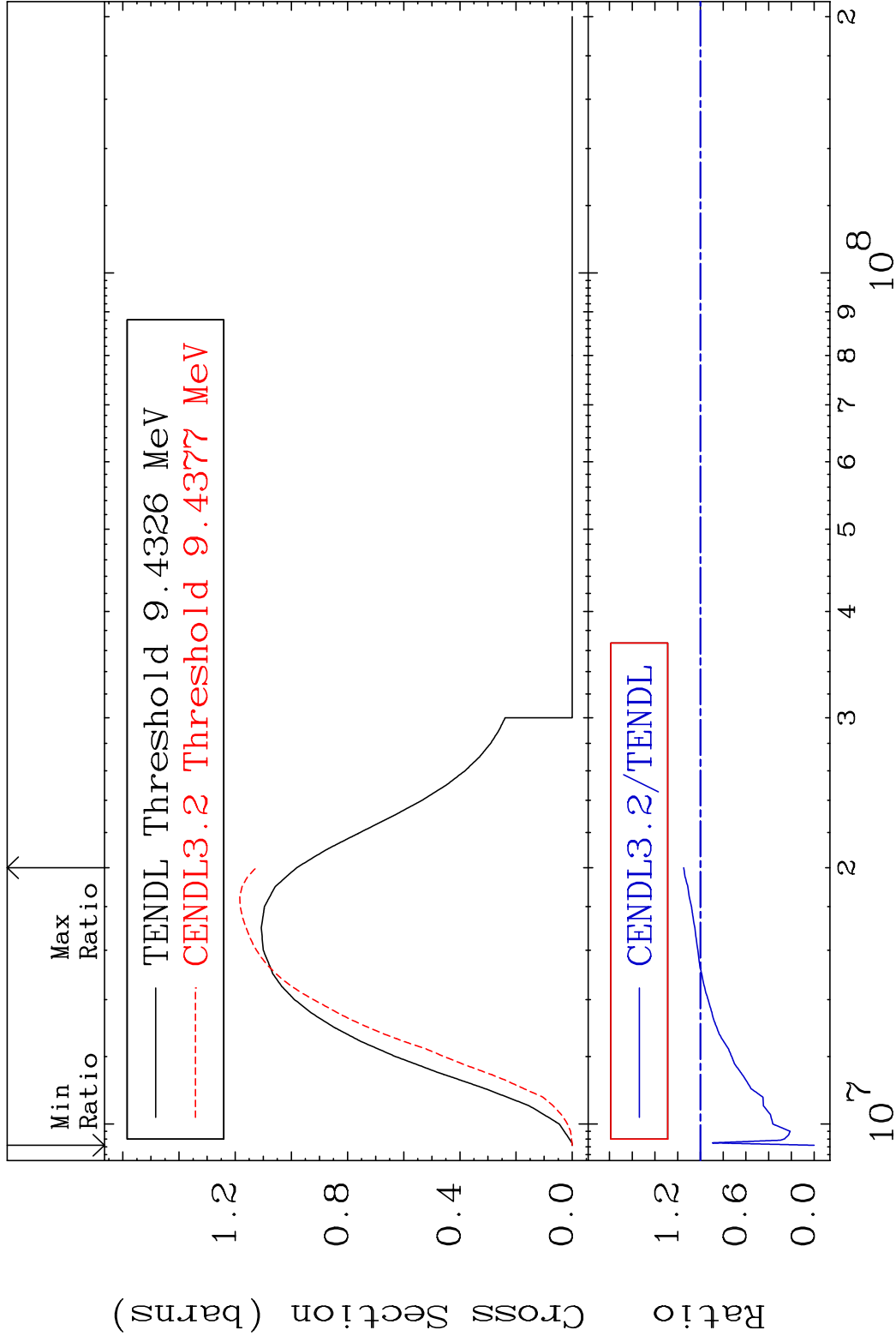


MAT 3131

(n,2n)

31-Ga-71

Cross Section -100.0 To 14.78 %



4

Incident Energy (eV)

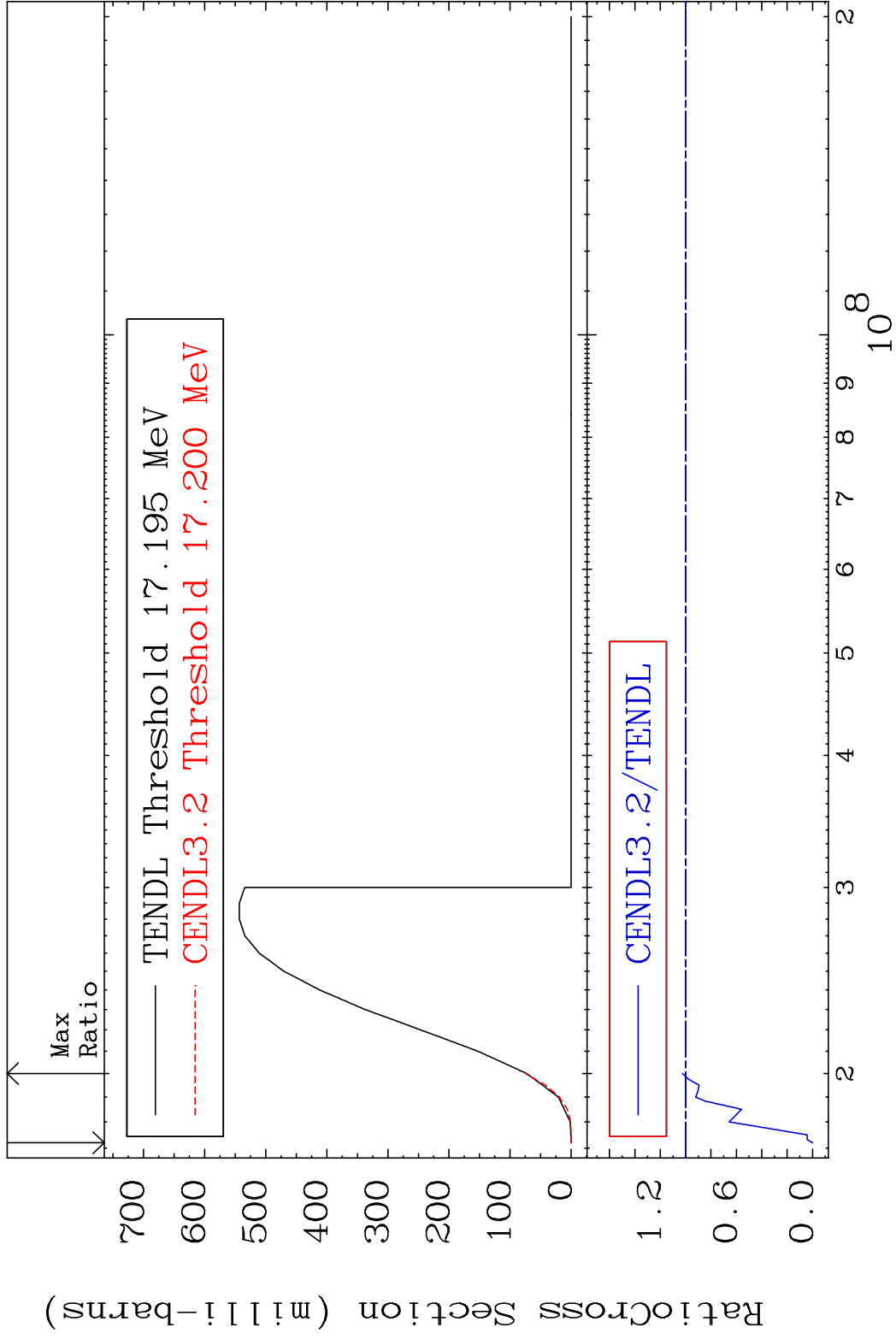
31-Ga-71

MAT 3131

(n,3n)

31-Ga-71

Cross Section -100.0 To 2.573 %



5

Incident Energy (eV)

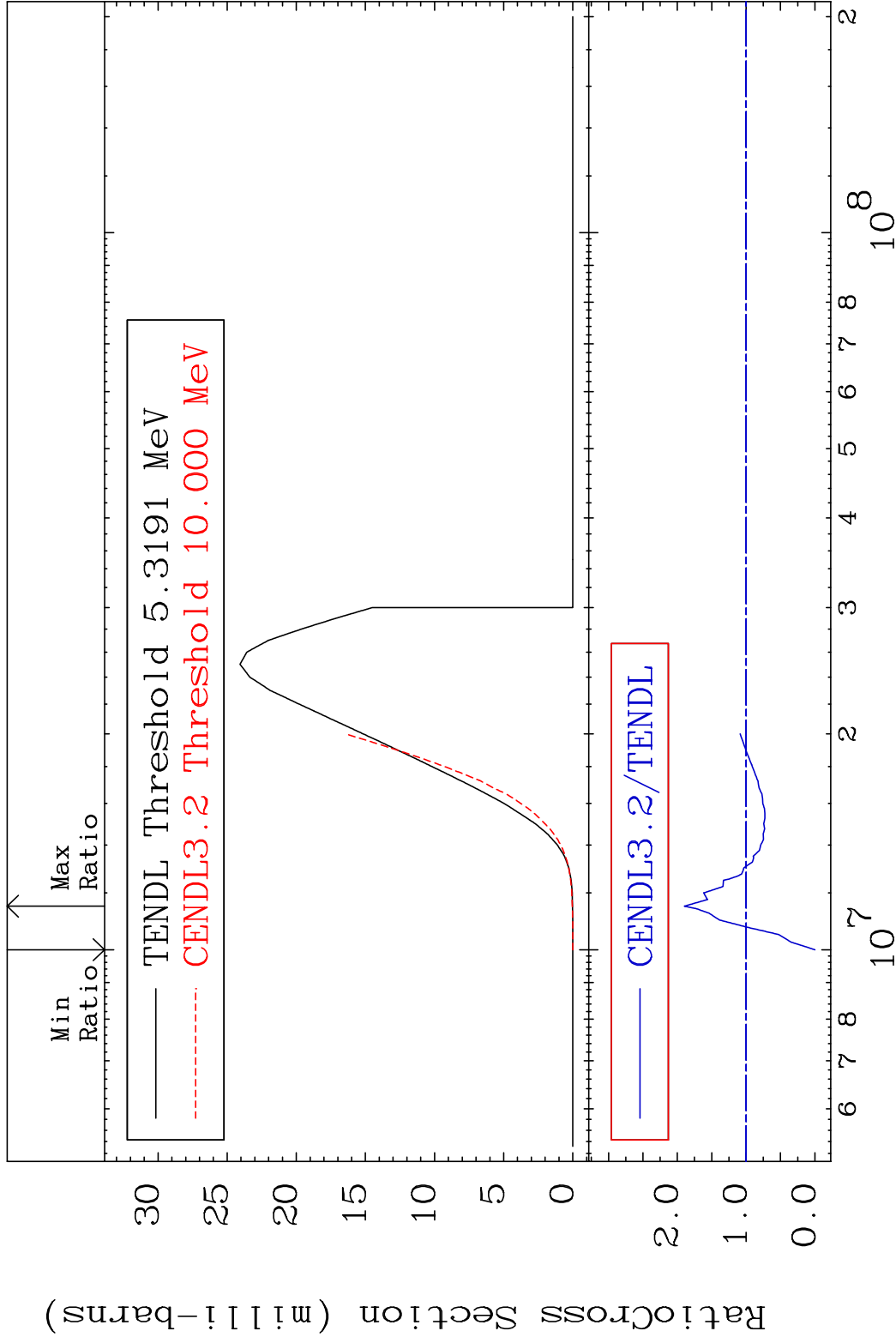
31-Ga-71

MAT 3131

31-Ga-71

(n, n')  $\alpha$

Cross Section -100.0 To 89.84 %



6

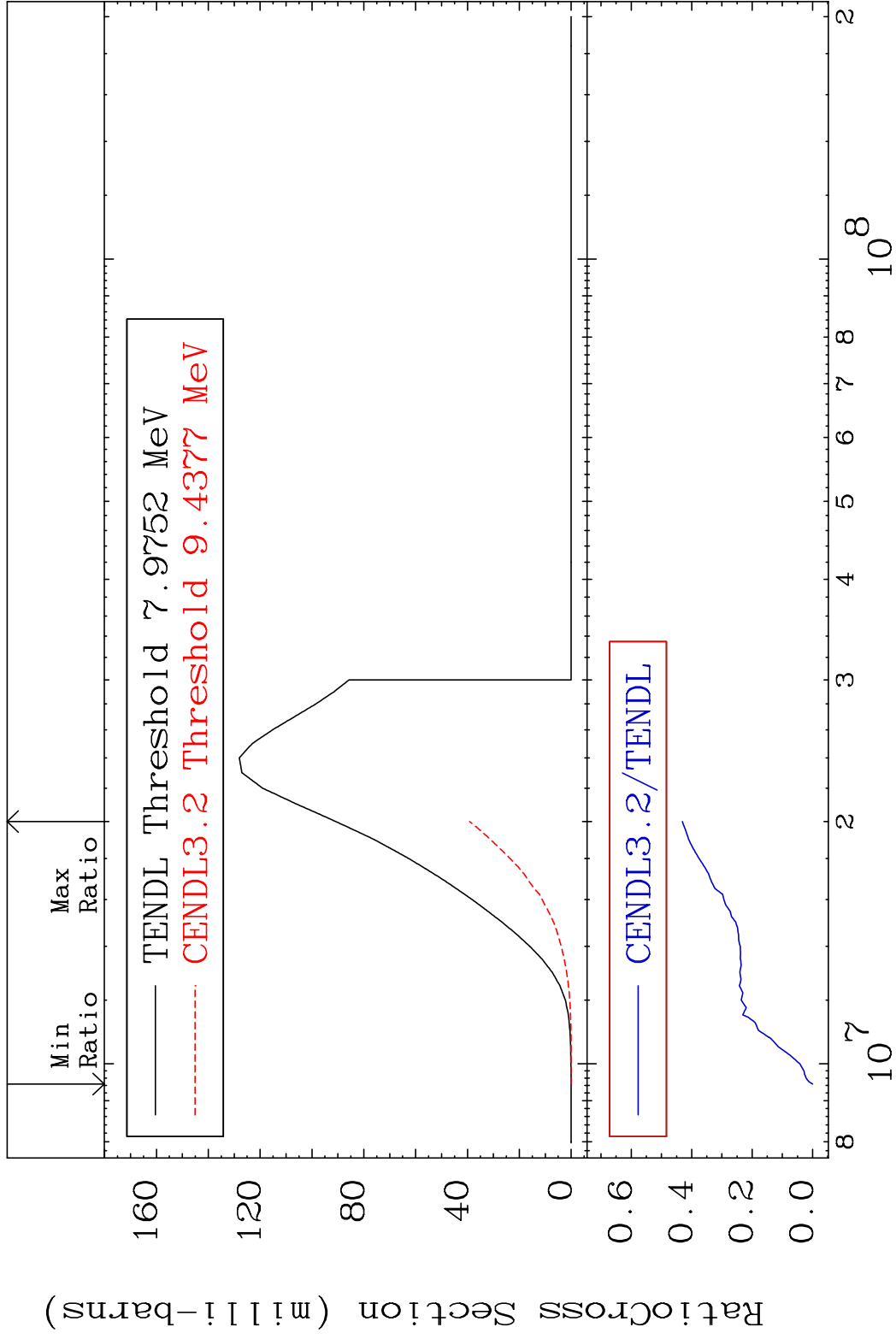
Incident Energy (eV)

31-Ga-71

MAT 3131

(n, n') p 31-Ga-71

Cross Section -100.0 To -56.91%

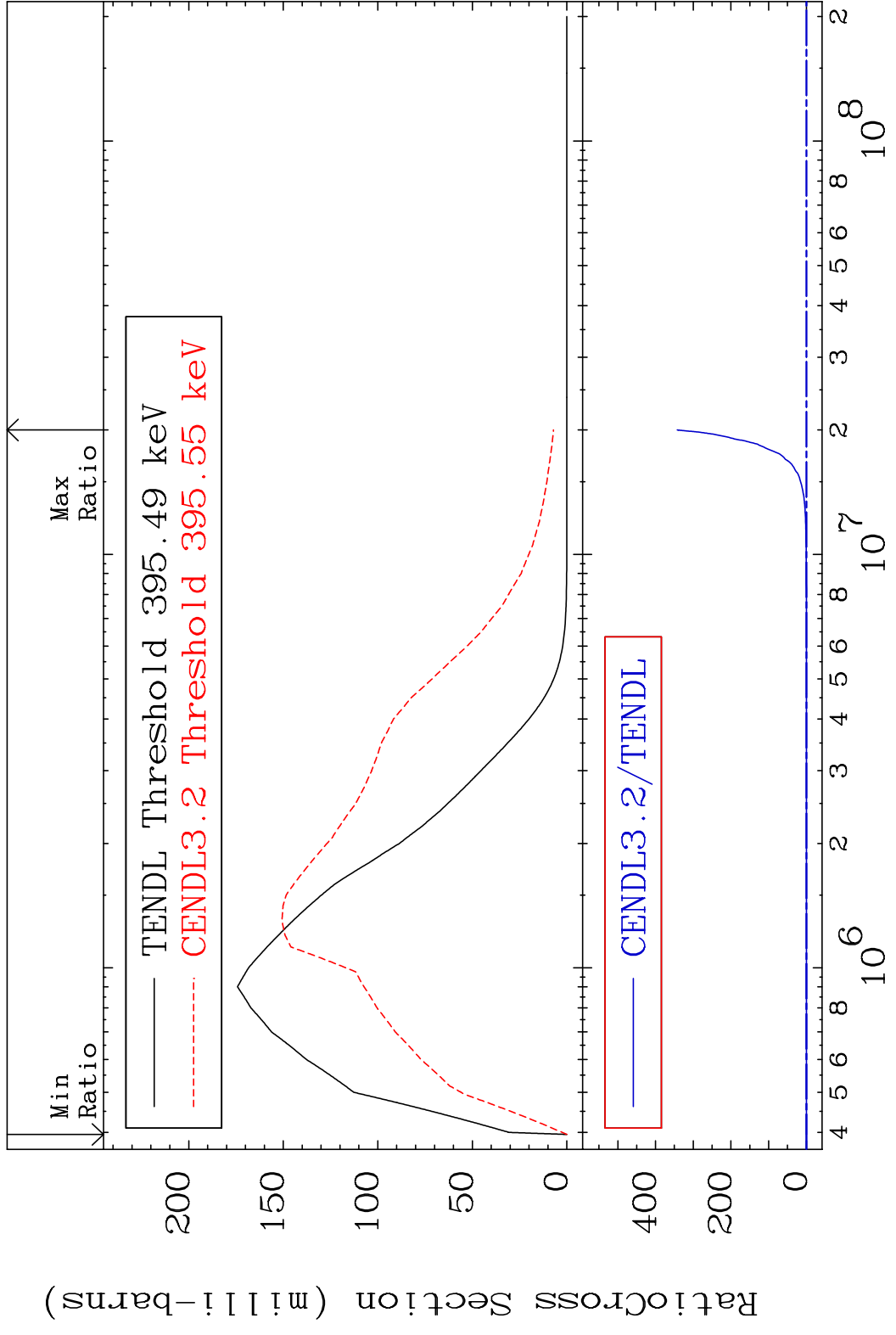


7

Incident Energy (eV)

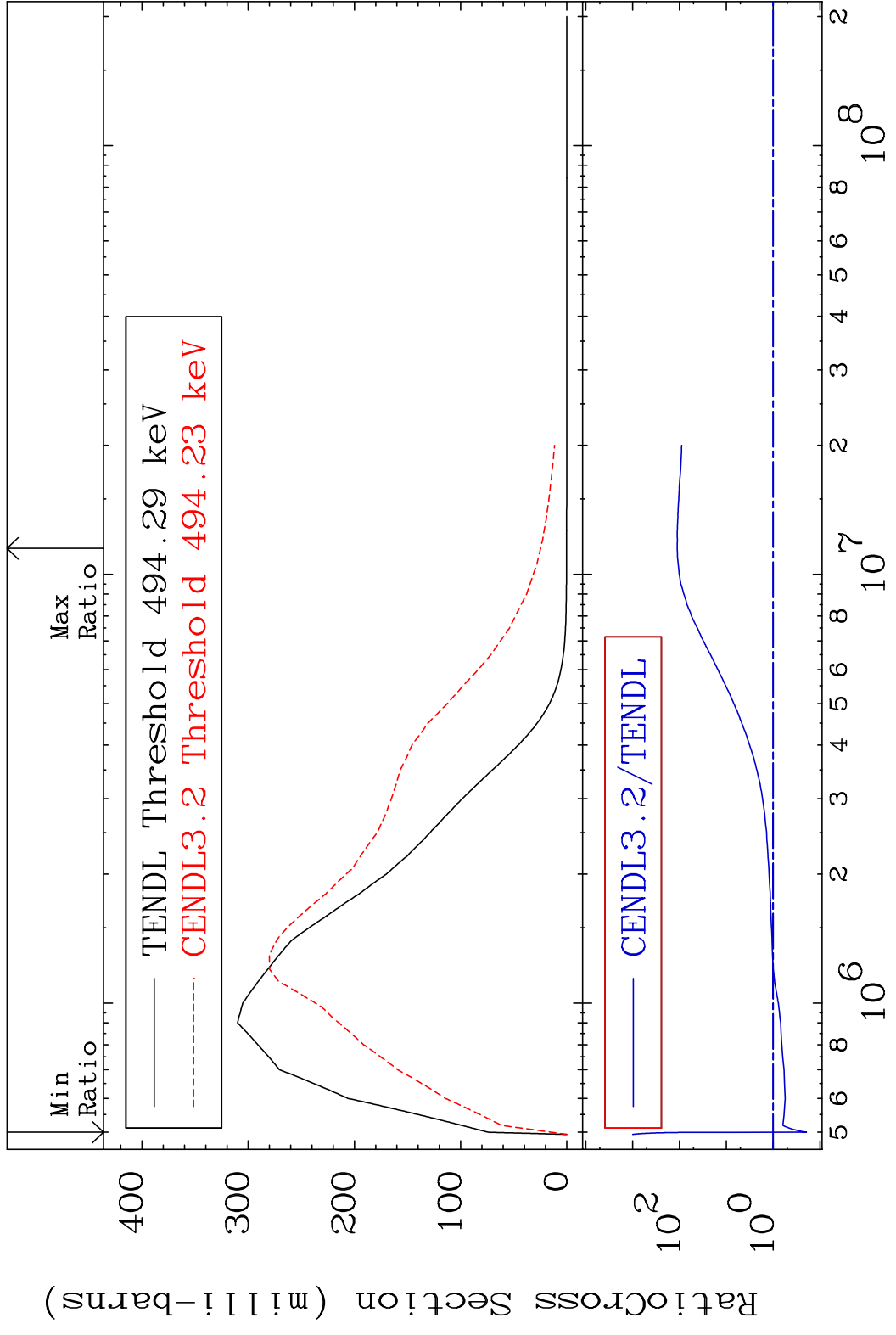
31-Ga-71

MAT 3131 MT= 51 (n, n') Level 31-Ga-71  
 Cross Section -100.0 To 9999. %



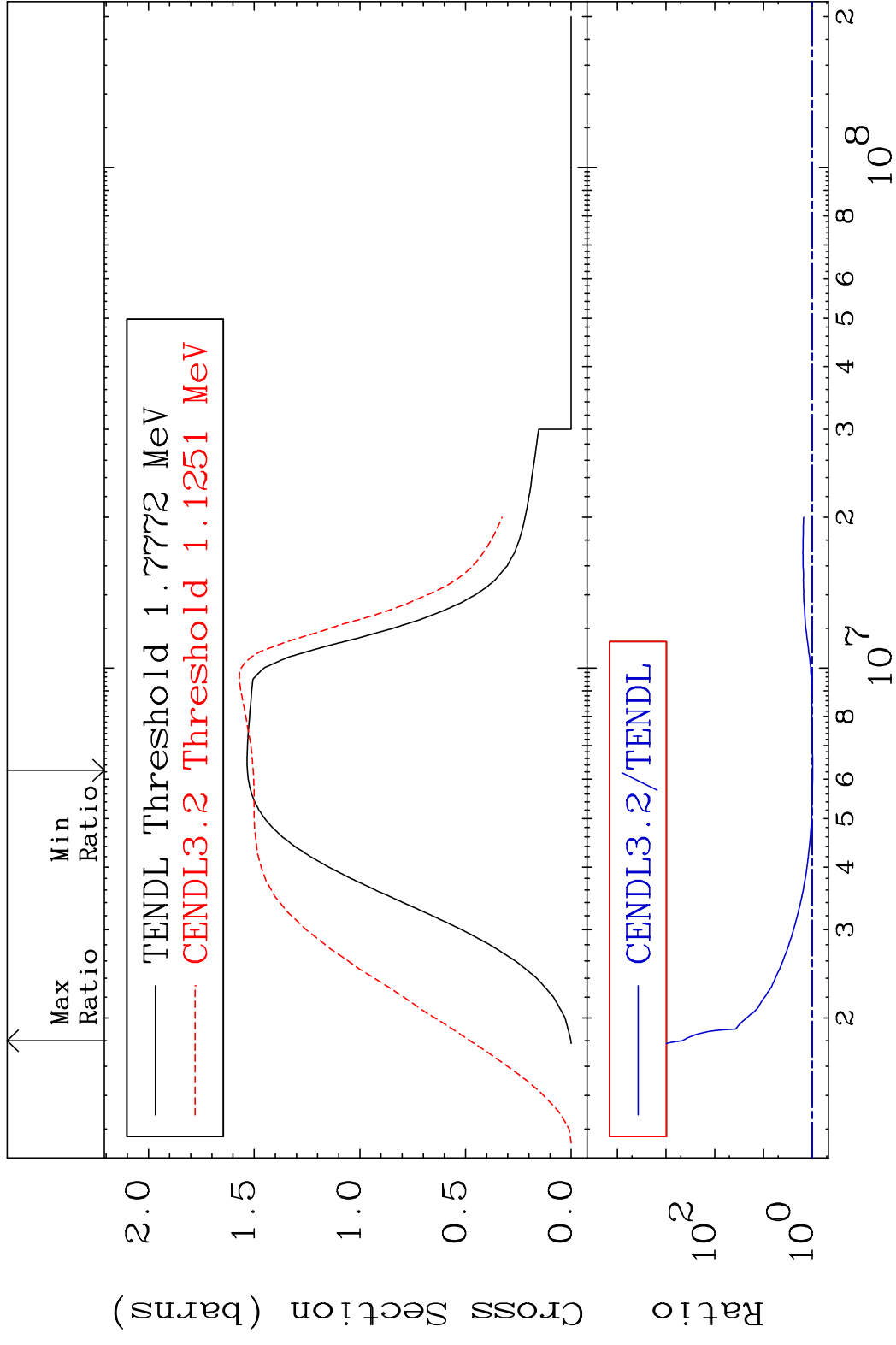
8 8 31-Ga-71

MAT 3131 MT= 52 (n, n') Level 31-Ga-71  
 Cross Section -80.47 To 9999. %





MAT 3131 (n,n') Continuum 31-Ga-71  
 Cross Section -1.777 To 9999. %

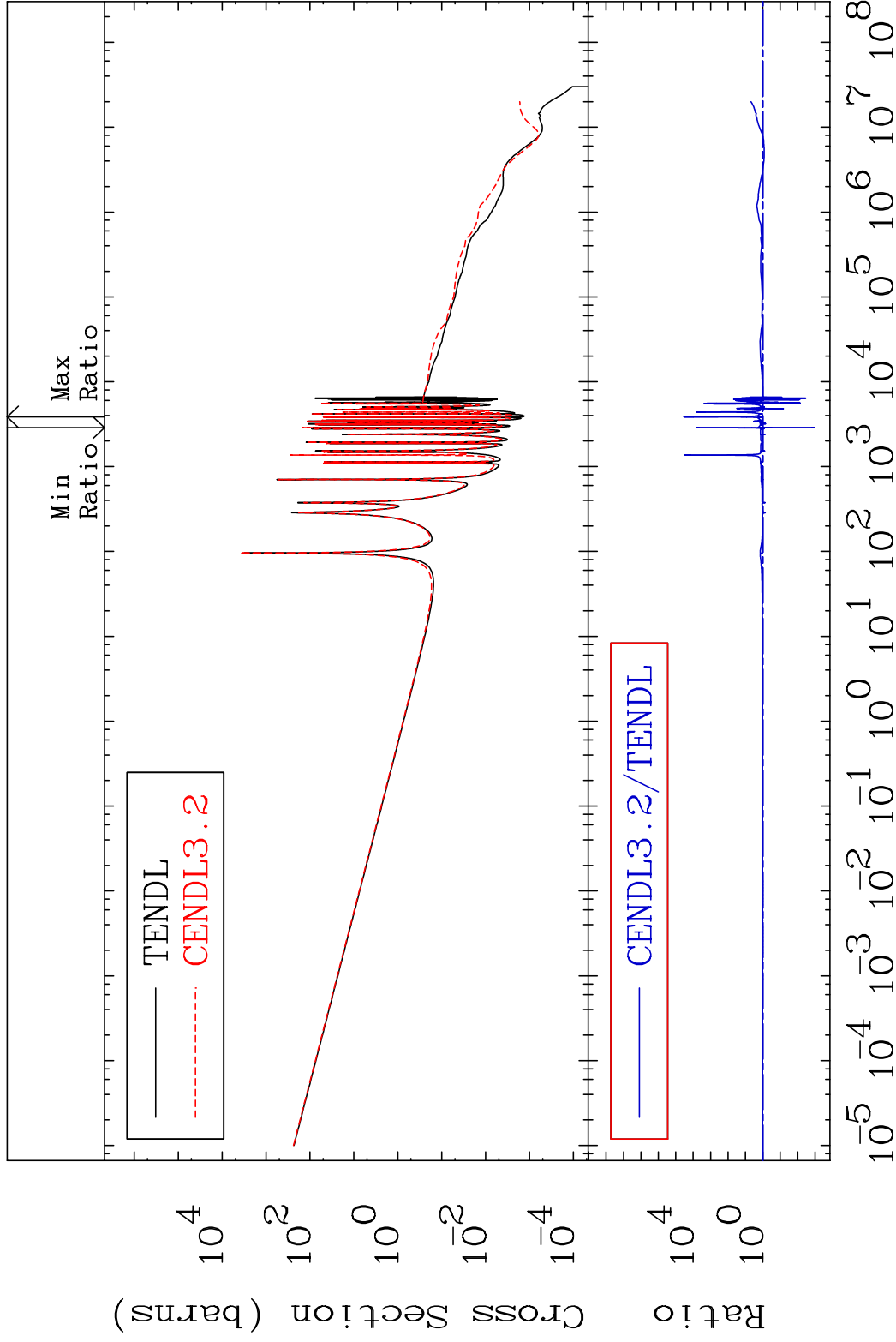


MAT 3131

(n,  $\gamma$ )

31-Ga-71

Cross Section -99.89 To 9999. %



12

Incident Energy (eV)

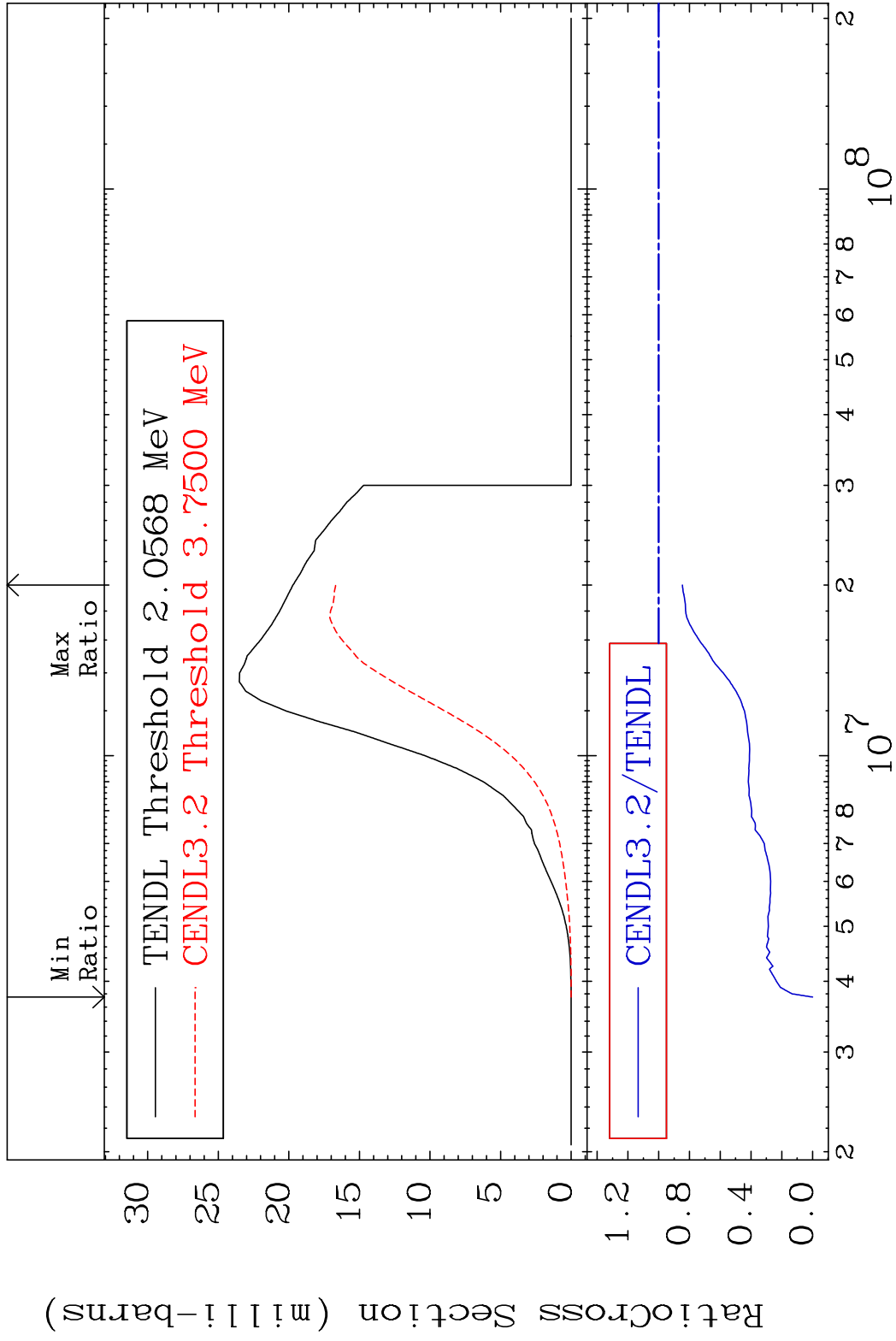
31-Ga-71

MAT 3131

(n, p)

31-Ga-71

Cross Section -100.0 To -15.37%



13

Incident Energy (eV)

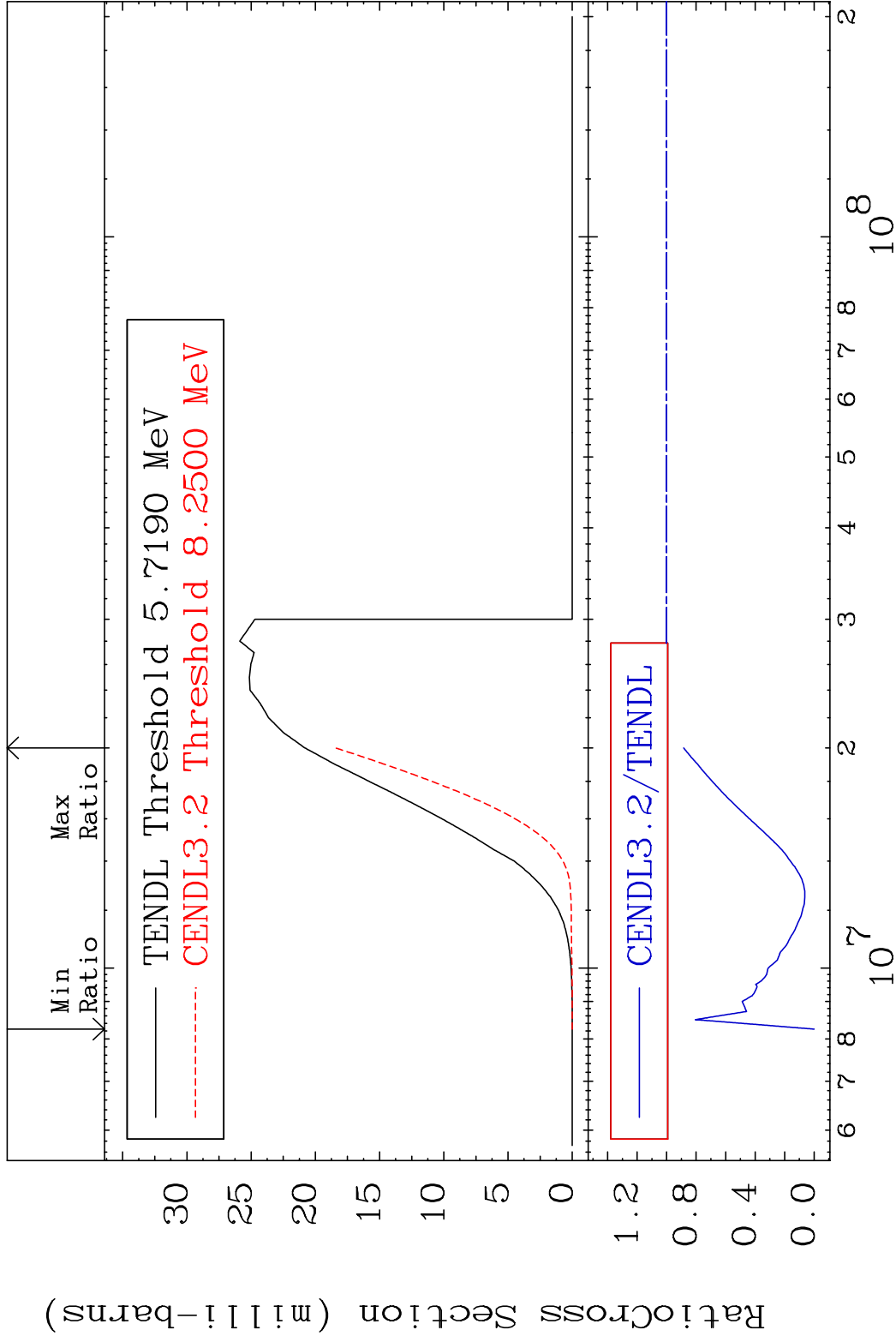
31-Ga-71

MAT 3131

(n, d)

31-Ga-71

Cross Section -100.0 To -11.54%

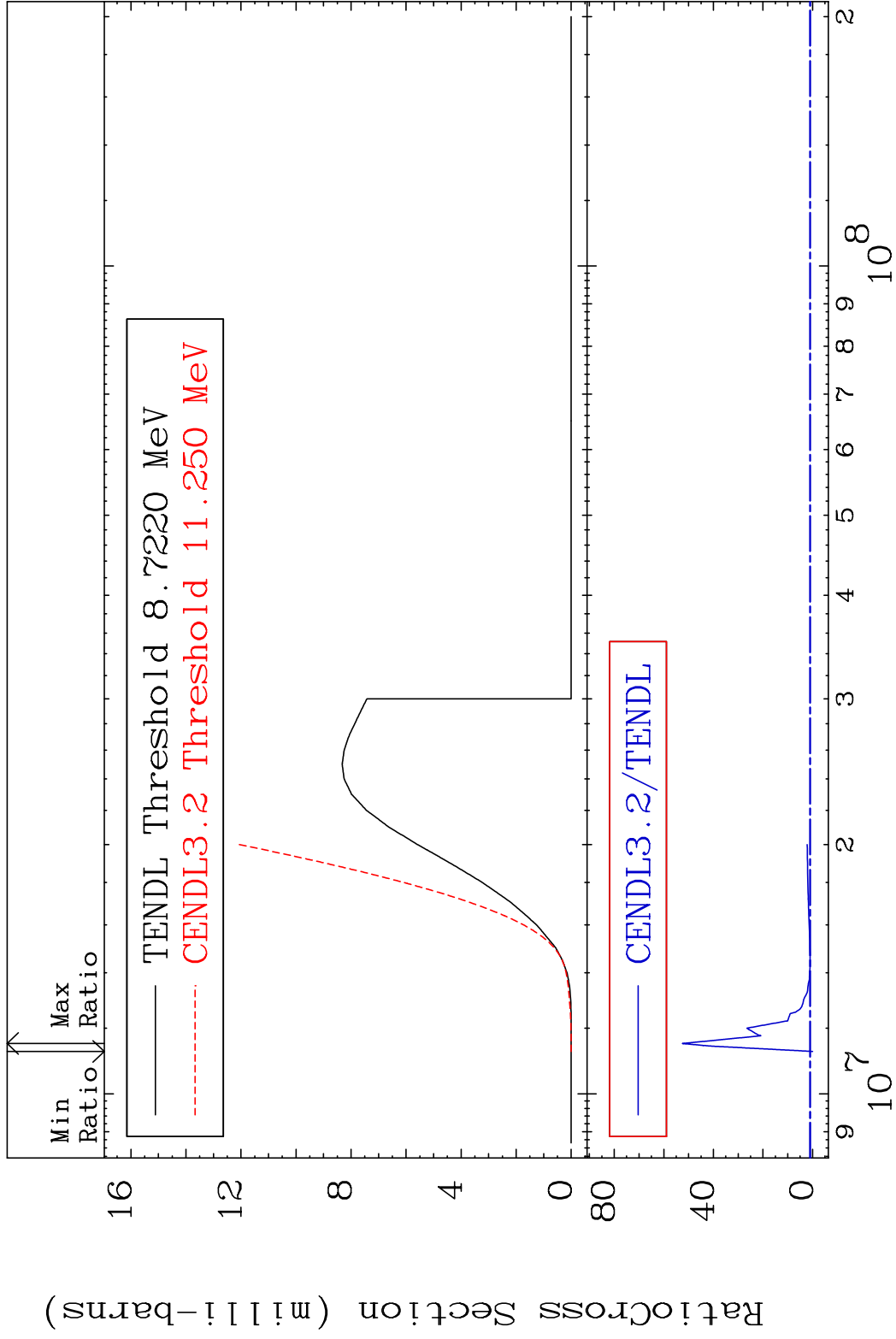


MAT 3131

(n, t)

31-Ga-71

Cross Section -100.0 To 5152. %



15

Incident Energy (eV)

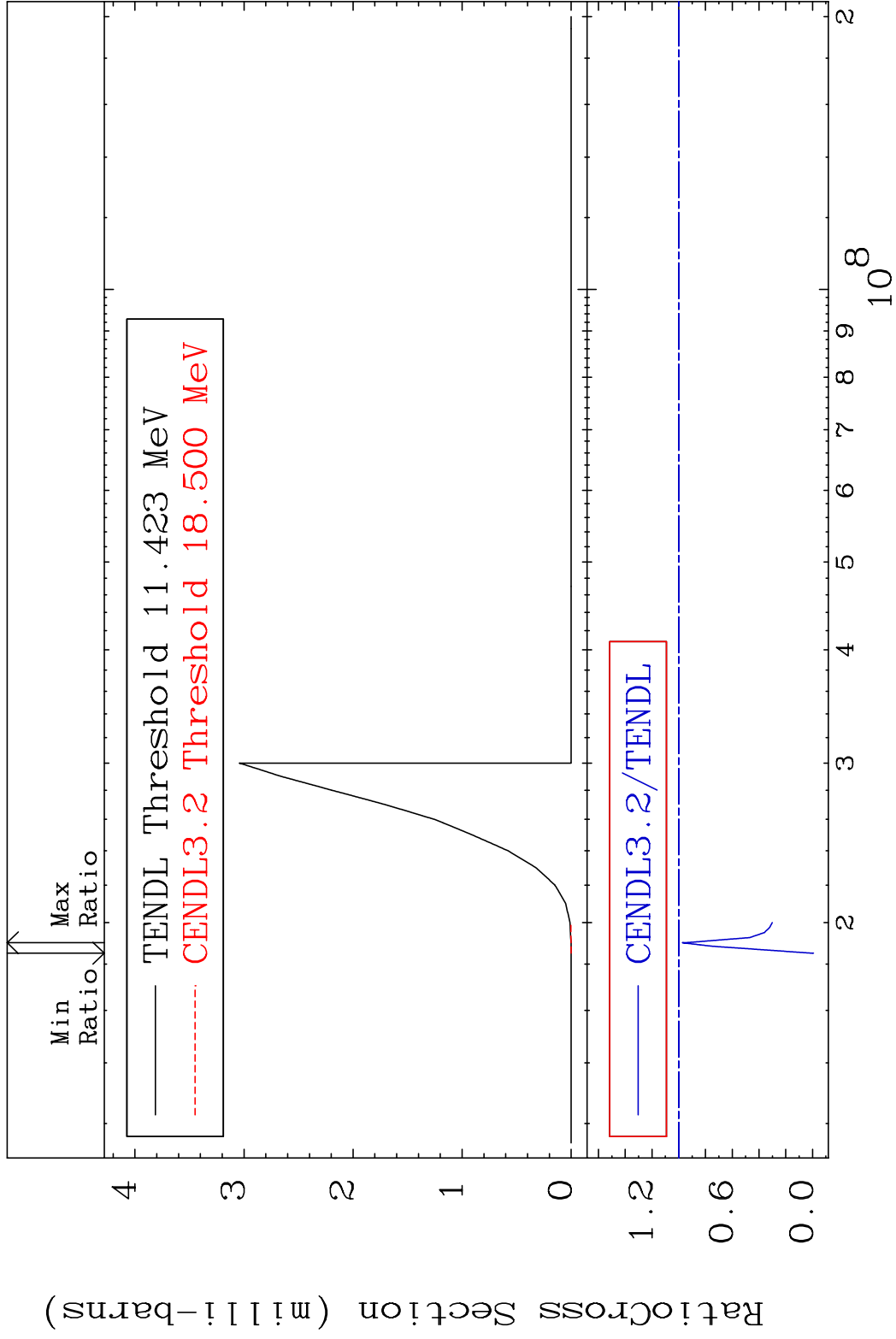
31-Ga-71

MAT 3131

(n, He-3)

31-Ga-71

Cross Section -100.0 To -2.698%

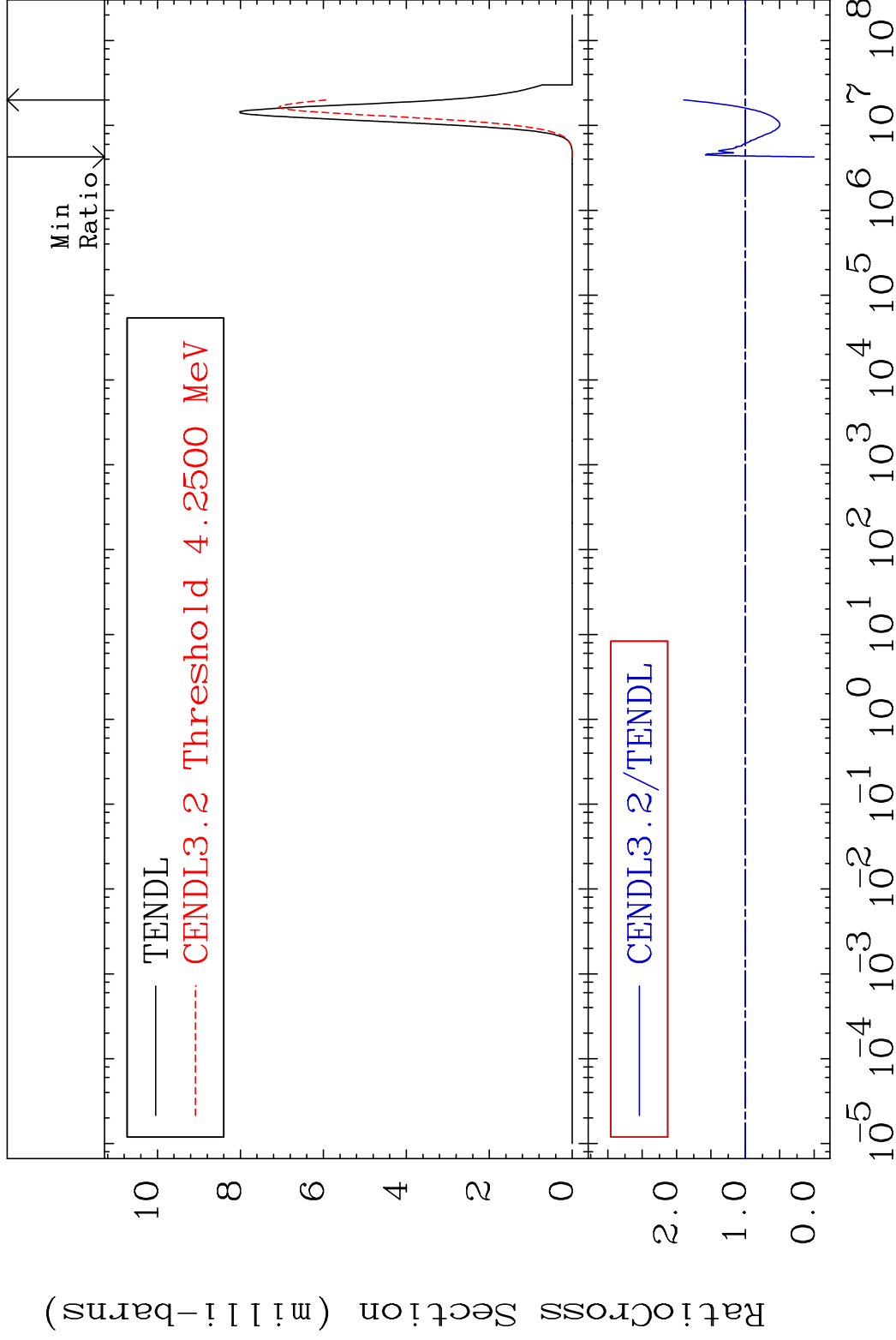


MAT 3131

(n,  $\alpha$ )

31-Ga-71

Cross Section -100.0 To 89.71 %



17

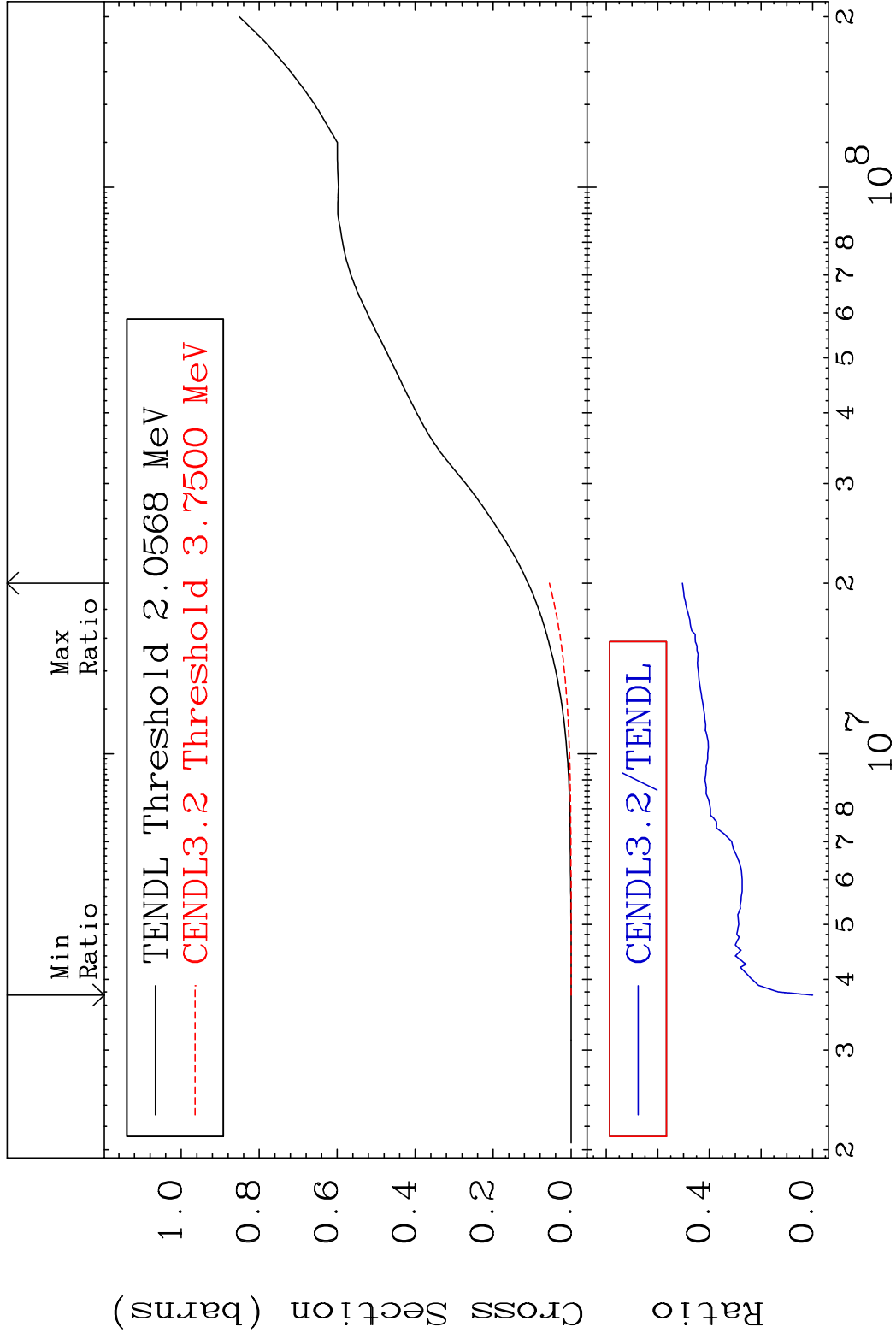
Incident Energy (eV)

31-Ga-71

MAT 3131

Hydrogen Production 31-Ga-71

Cross Section -100.0 To -49.51%

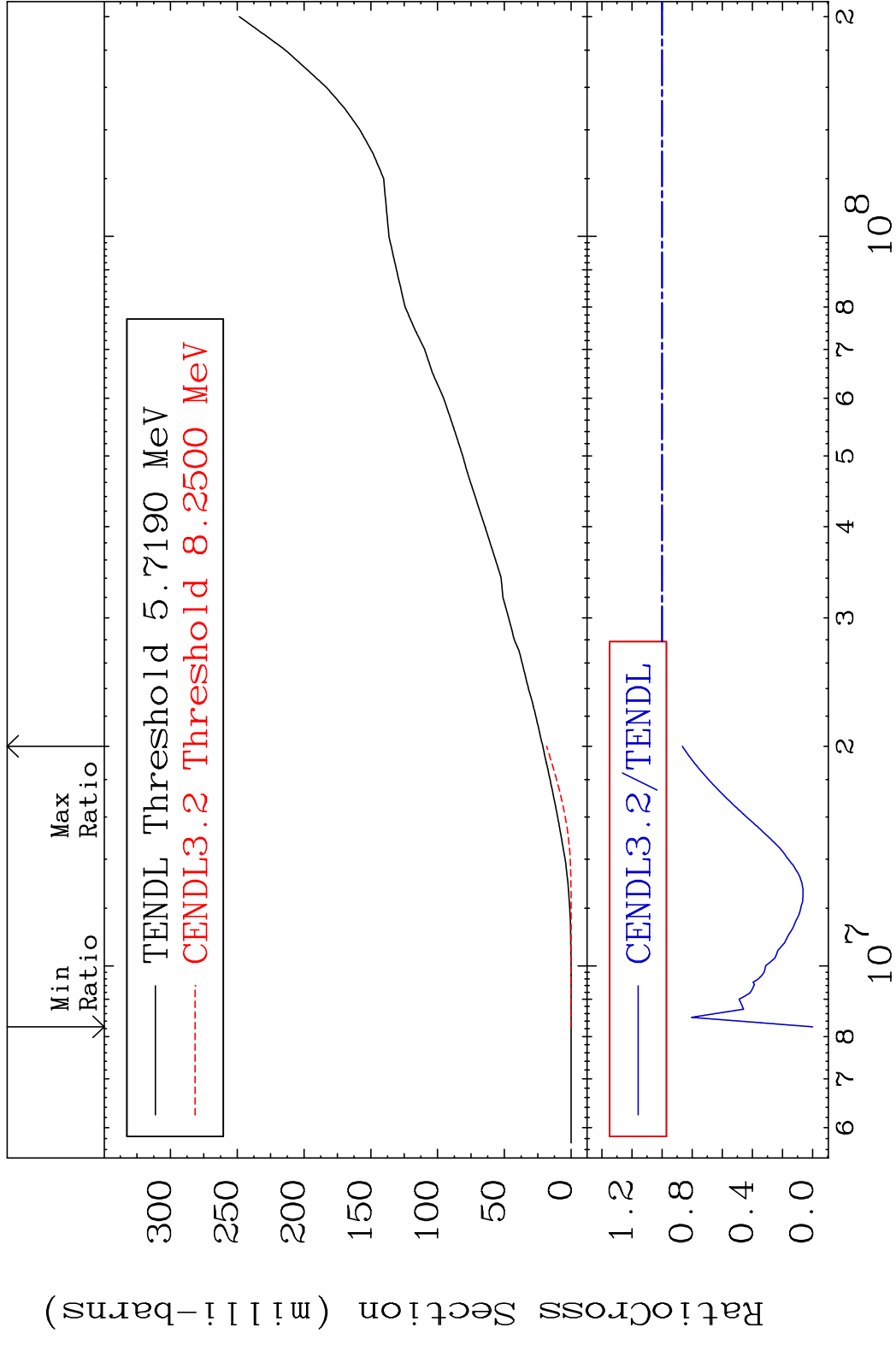


18

Incident Energy (eV)

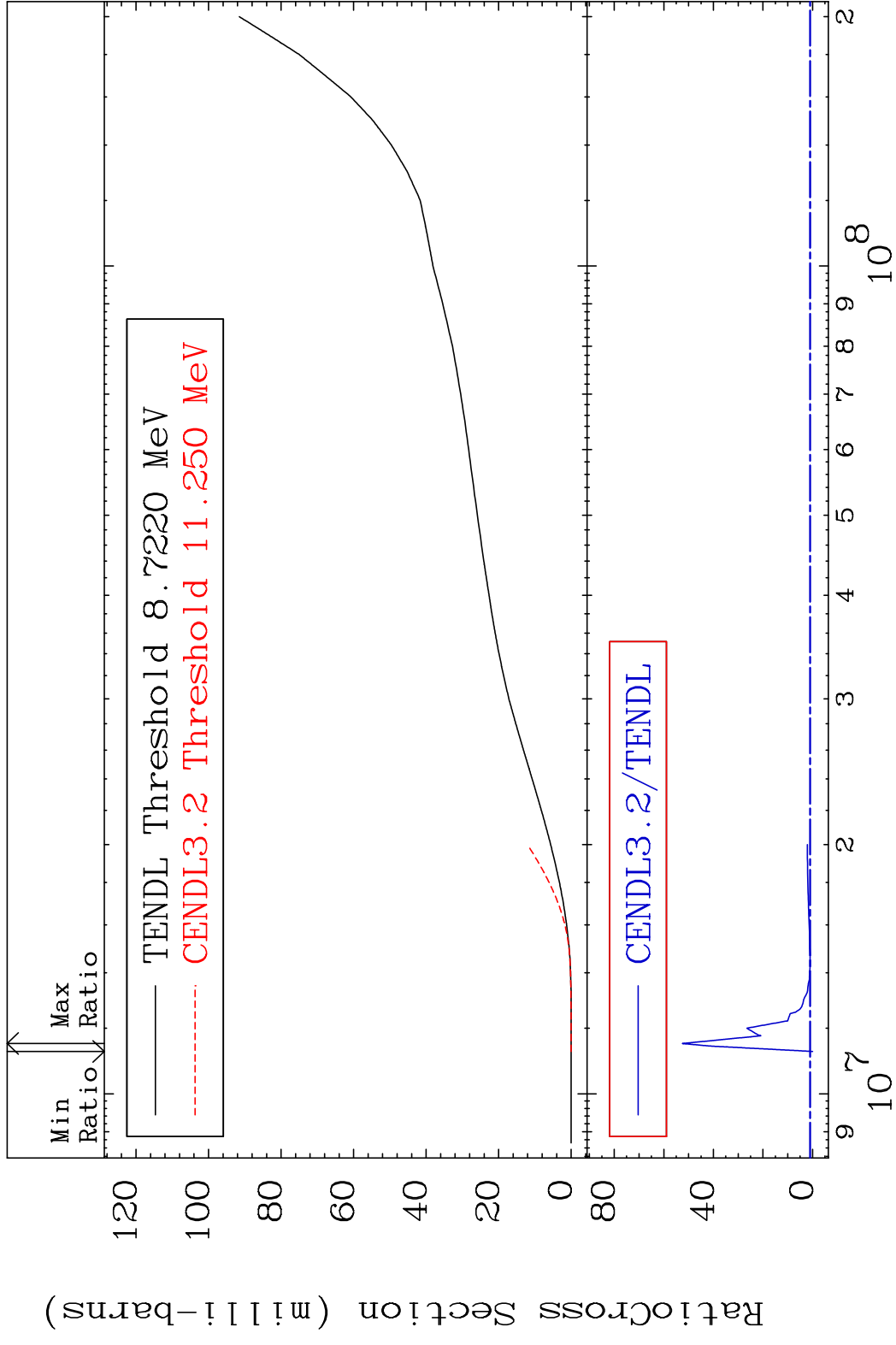
31-Ga-71

MAT 3131 Deuterium Production 31-Ga-71  
 Cross Section -100.0 To -13.50%



19 Incident Energy (eV) 31-Ga-71

MAT 3131 Tritium Production 31-Ga-71  
 Cross Section -100.0 To 5152. %



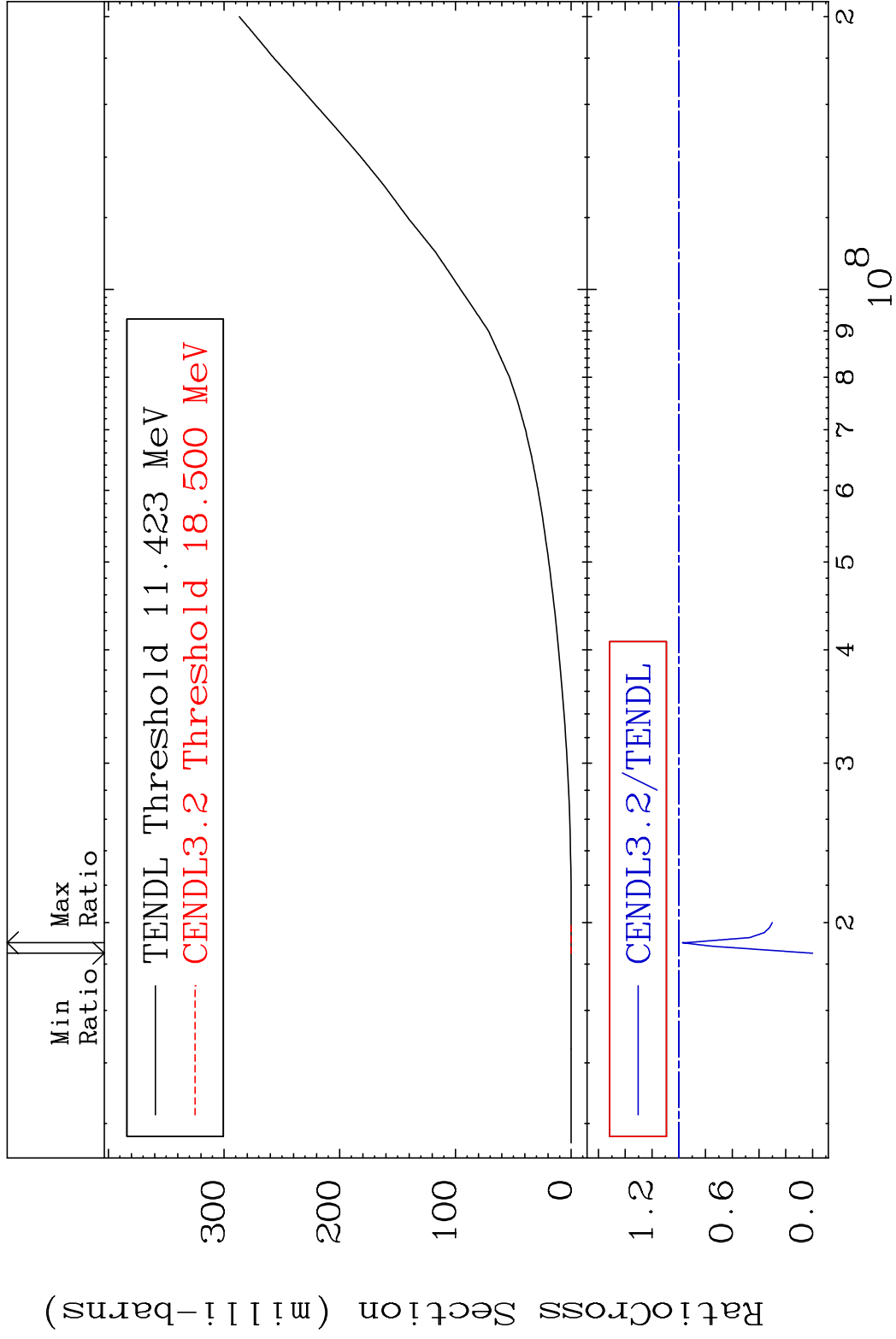
20 Incident Energy (eV) 31-Ga-71

MAT 3131

He-3 Production

31-Ga-71

Cross Section -100.0 To -2.698%



21

Incident Energy (eV)

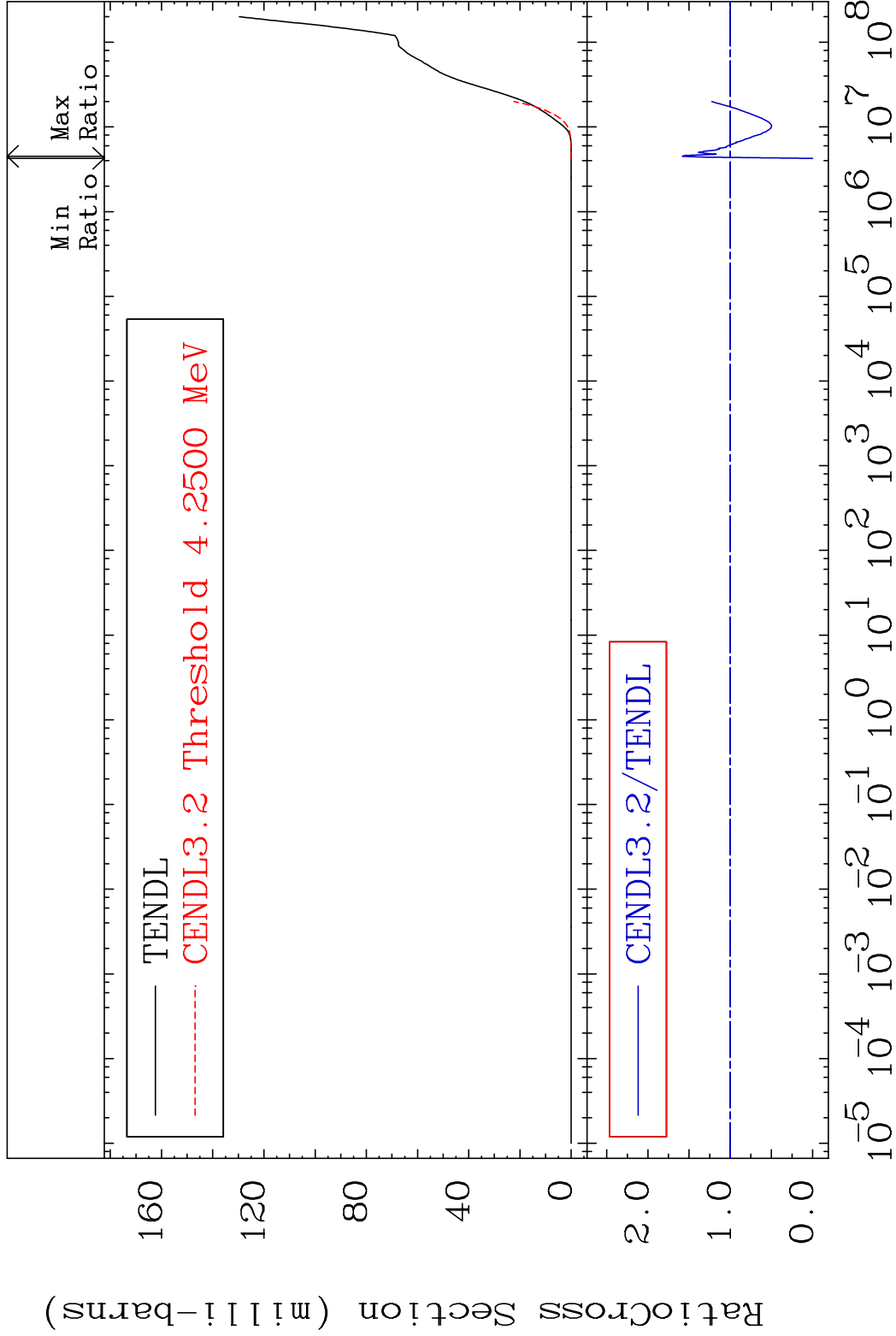
31-Ga-71

MAT 3131

He-4 Production

31-Ga-71

Cross Section -100.0 To 58.18 %

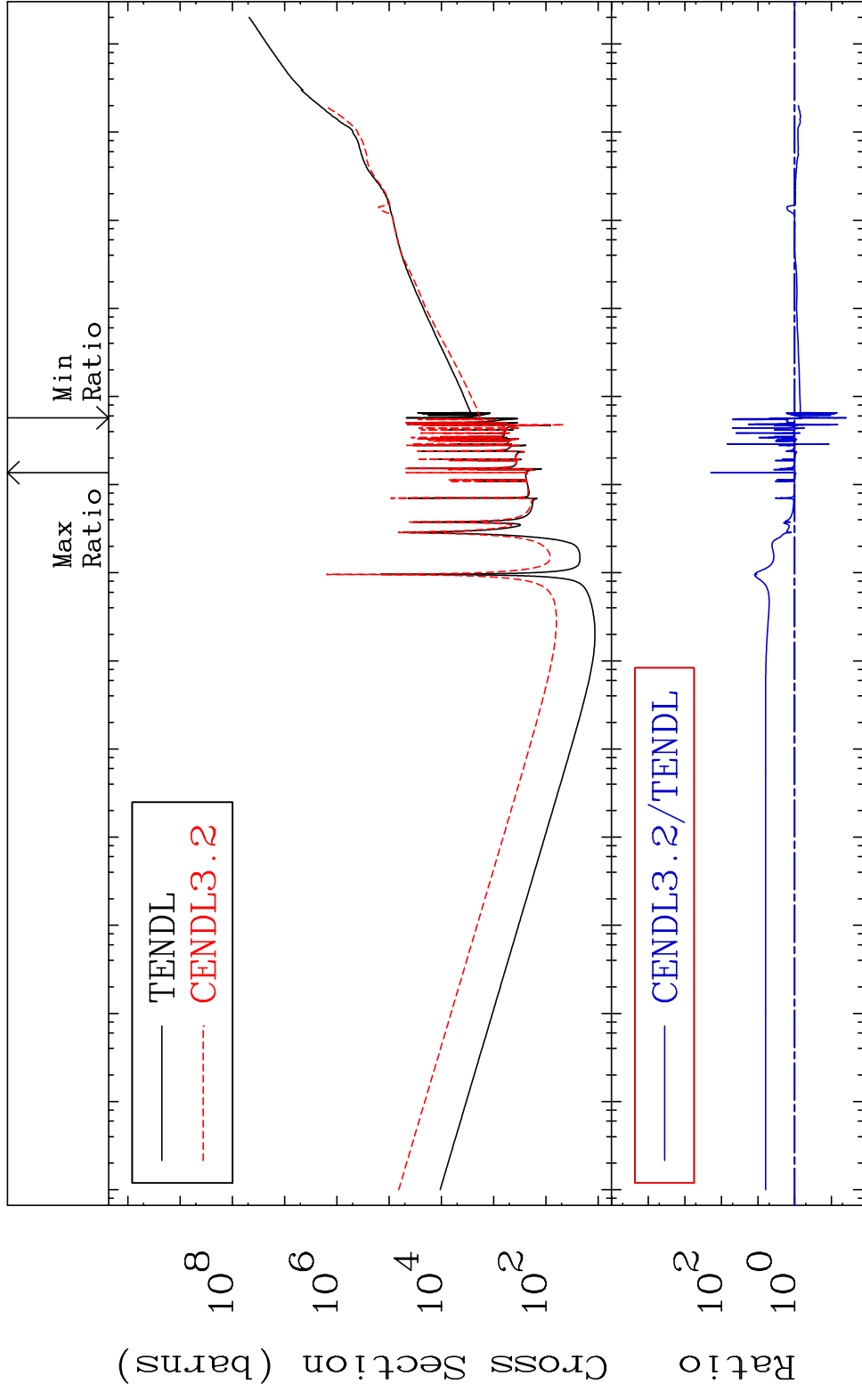


22

Incident Energy (eV)

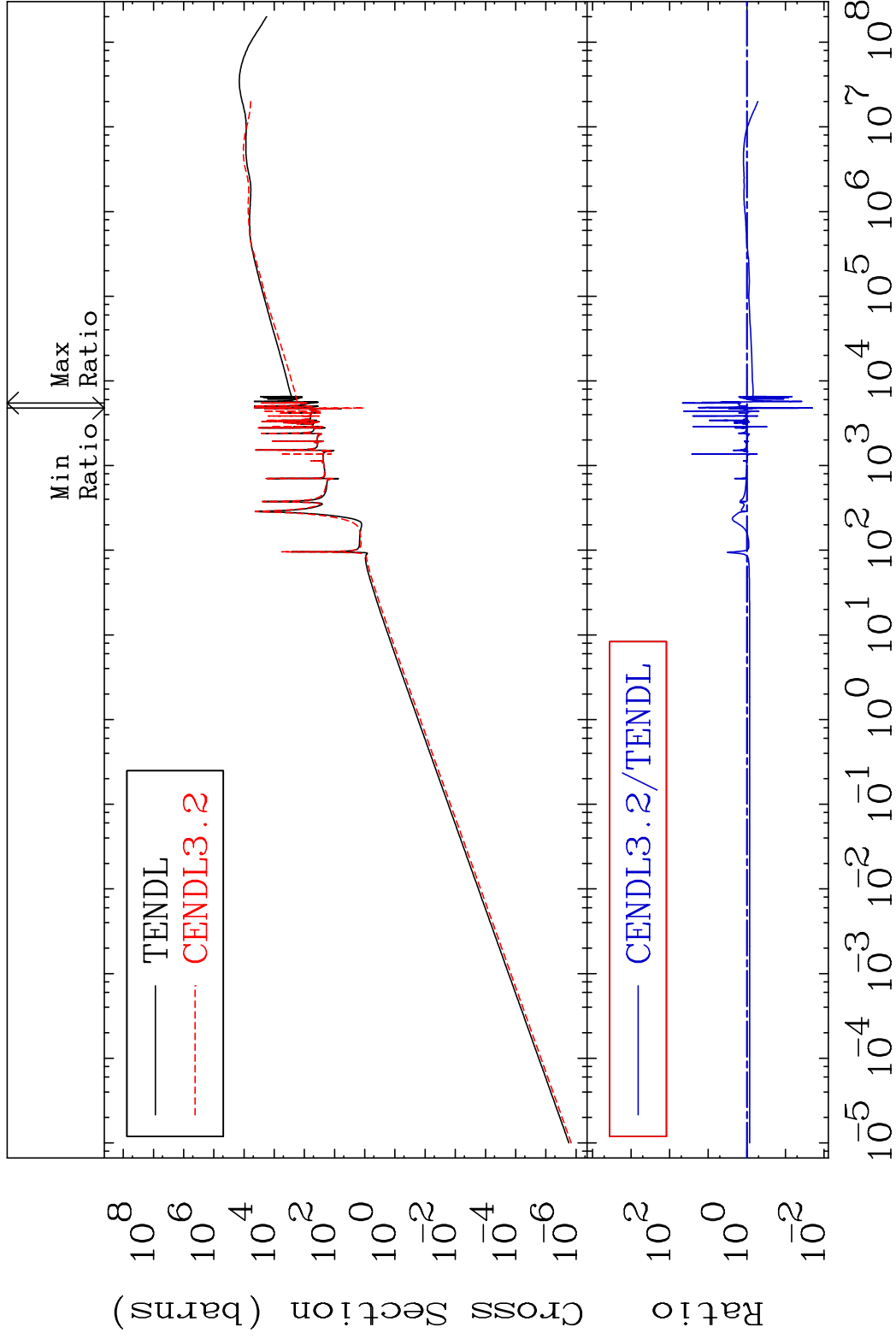
31-Ga-71

MAT 3131 Kerma total (eV-barns) 31-Ga-71  
 Cross Section -96.11 To 9999. %



MAT 3131

Kerma elastic Cross Section -98.01 To 4591. %  
31-Ga-71

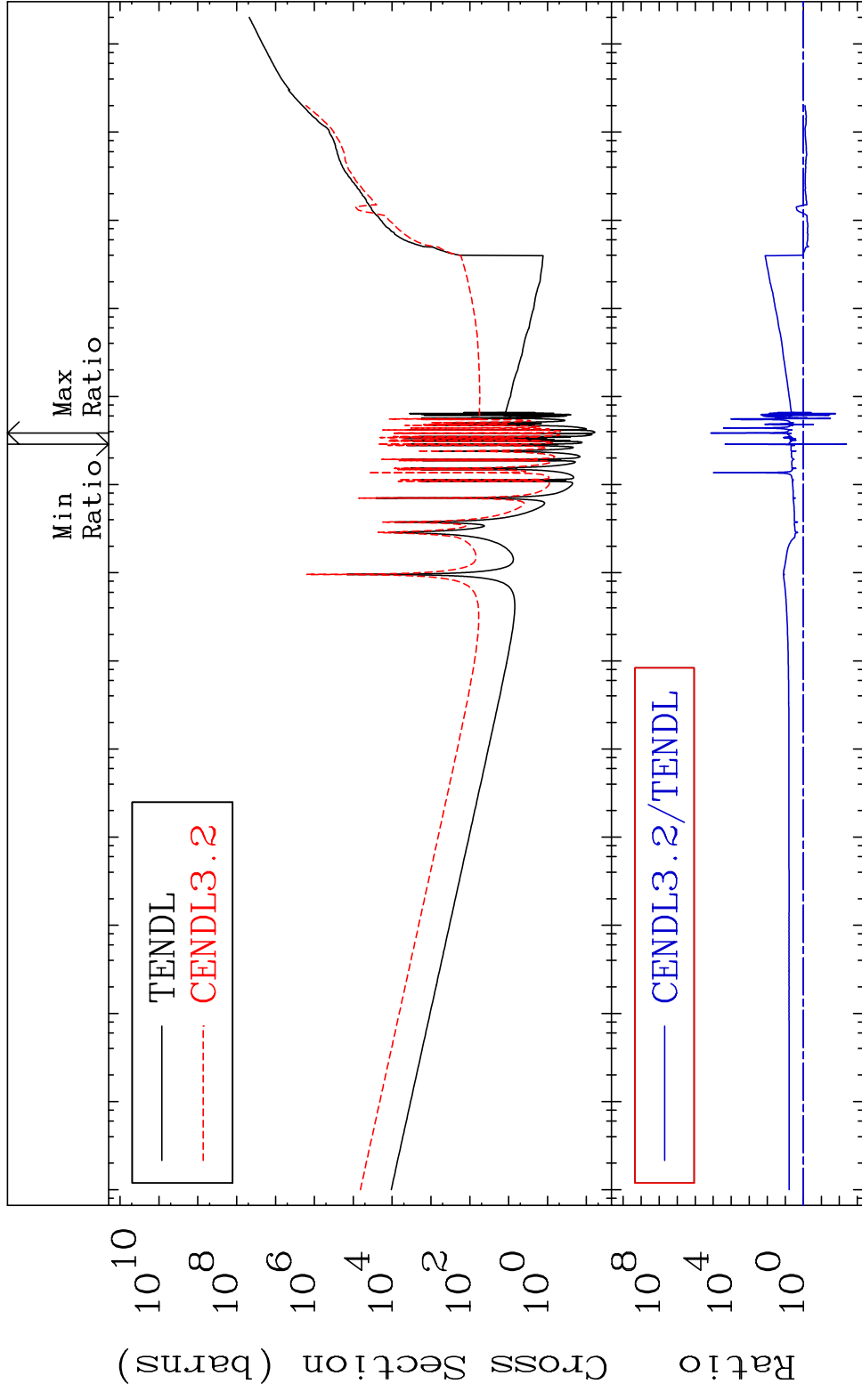


24

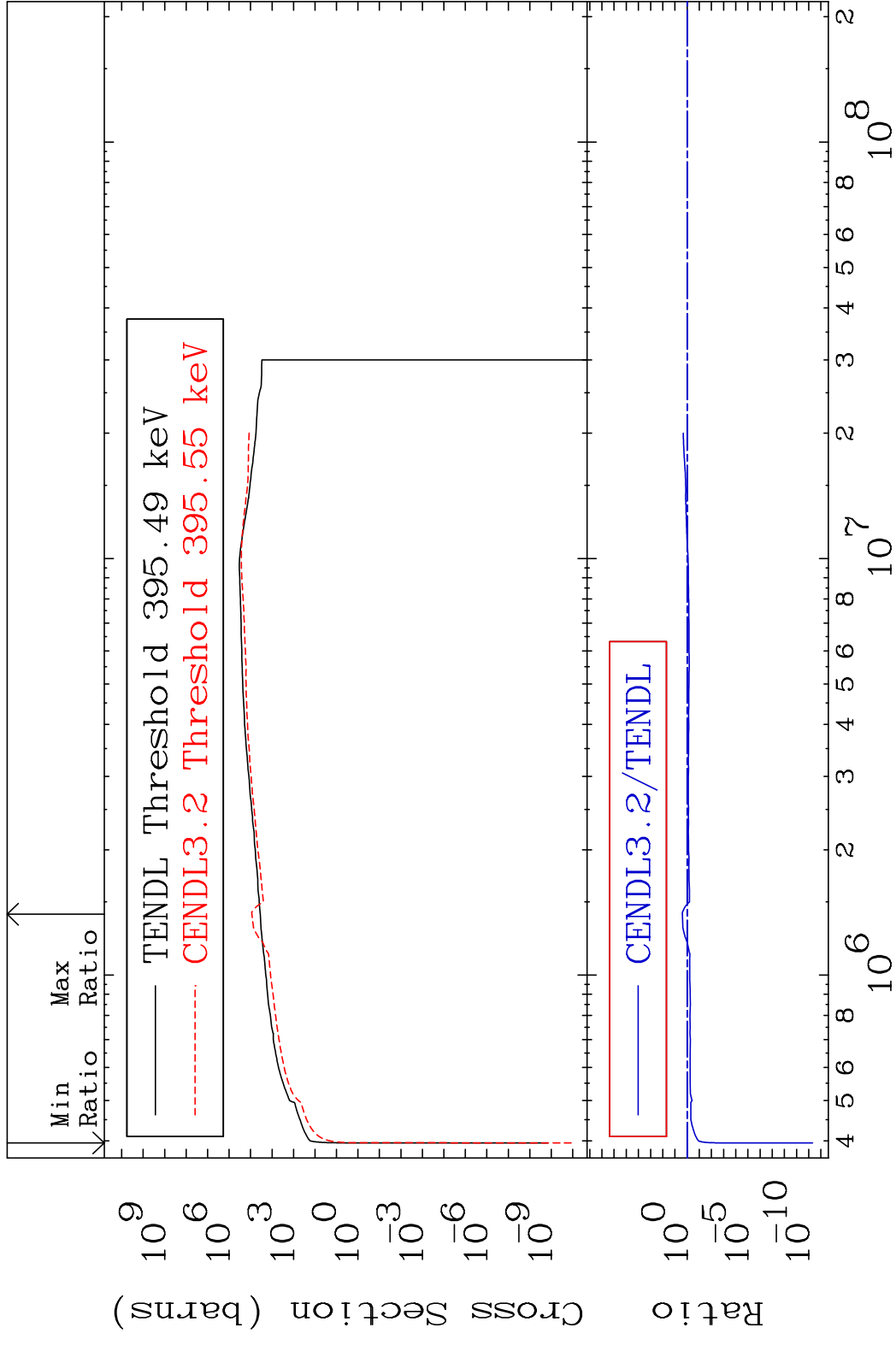
Incident Energy (eV)

31-Ga-71

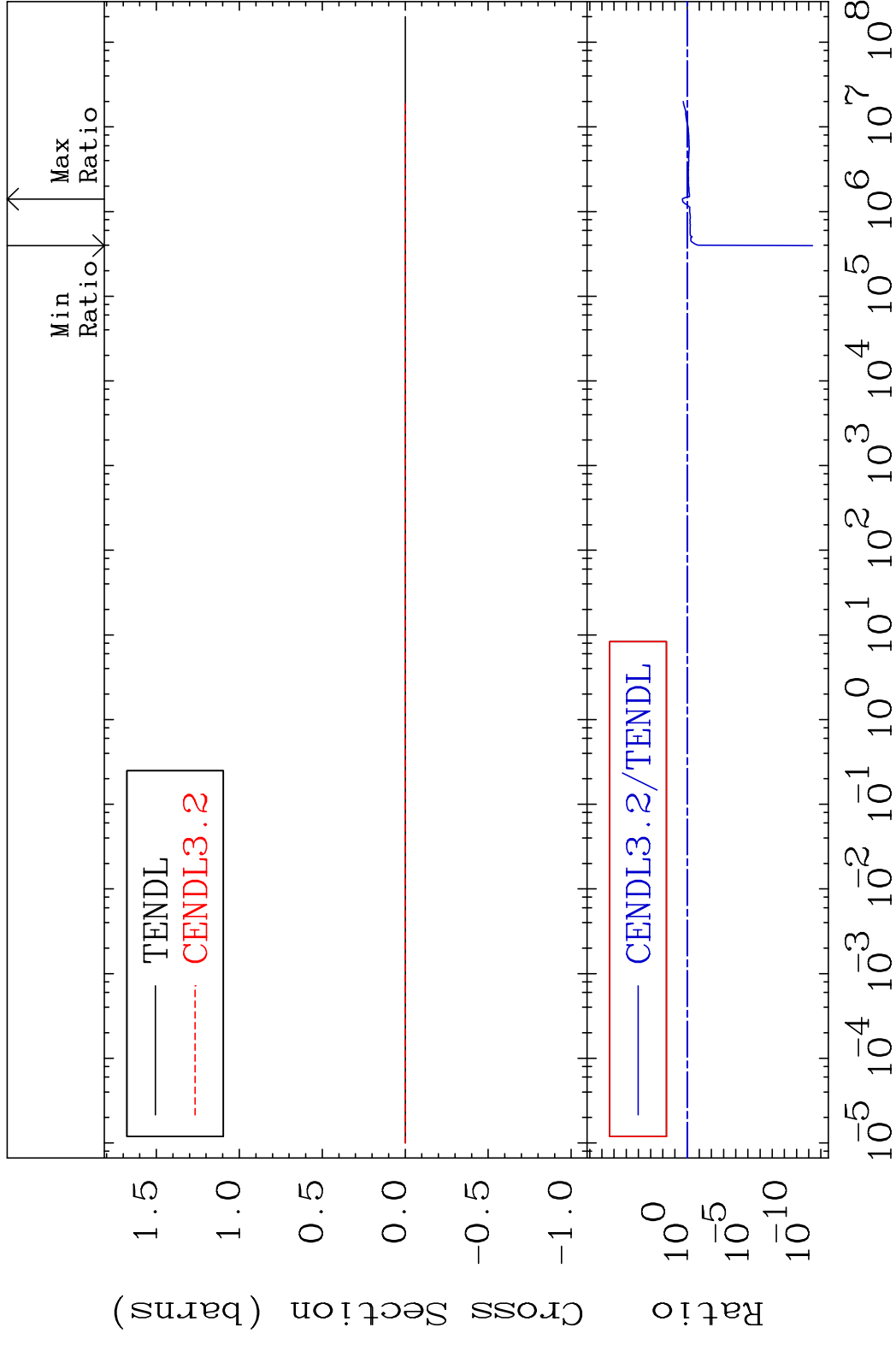
MAT 3131 Kerma non-elastic (all but mt2) 31-Ga-71  
 Cross Section -99.59 To 9999. %



MAT 3131 Kerma inelastic (mt51-91) 31-Ga-71  
 Cross Section -100.0 To 144.4 %



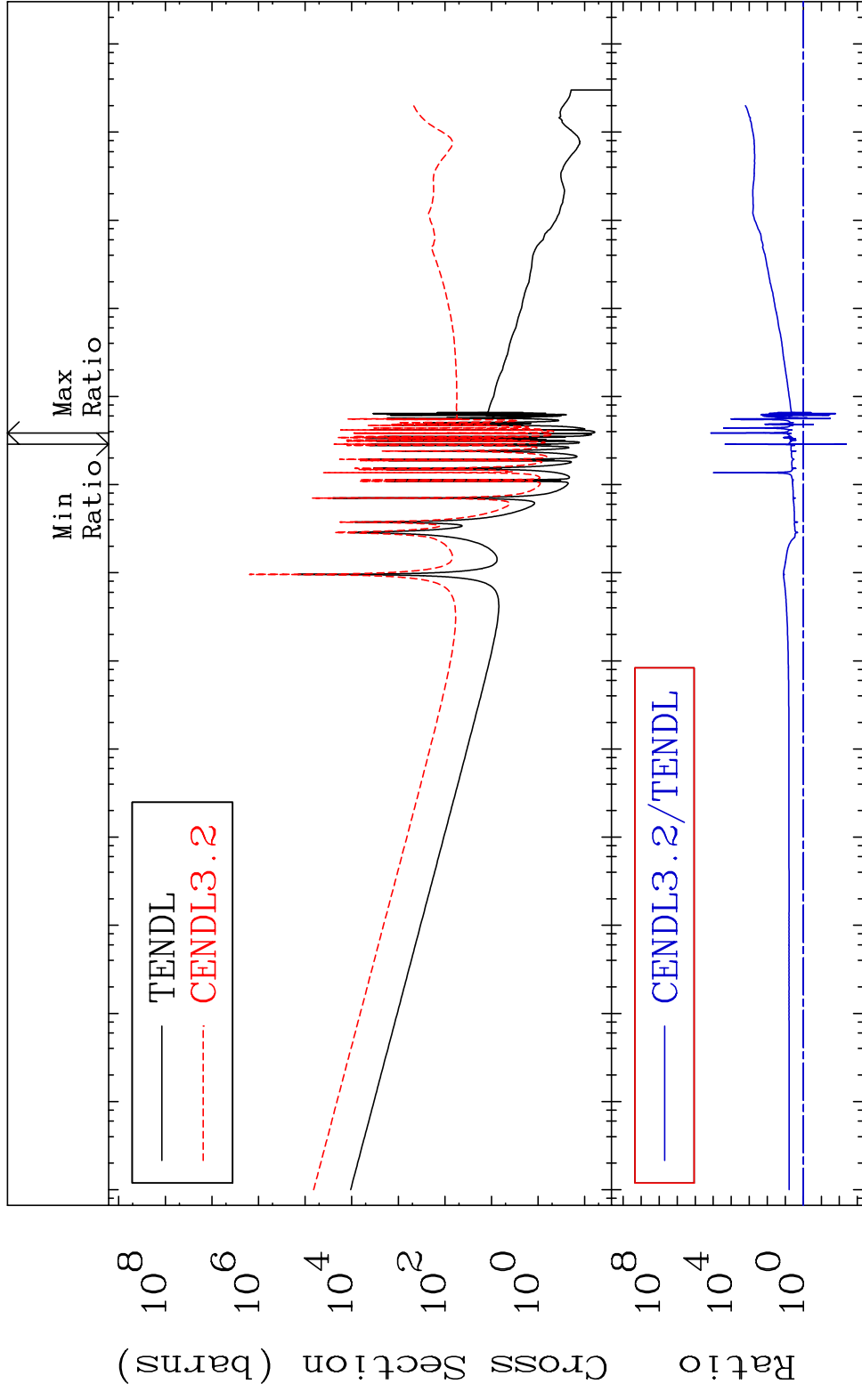
MAT 3131 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-71  
 Cross Section -100.0 To 144.4 %



MAT 3131

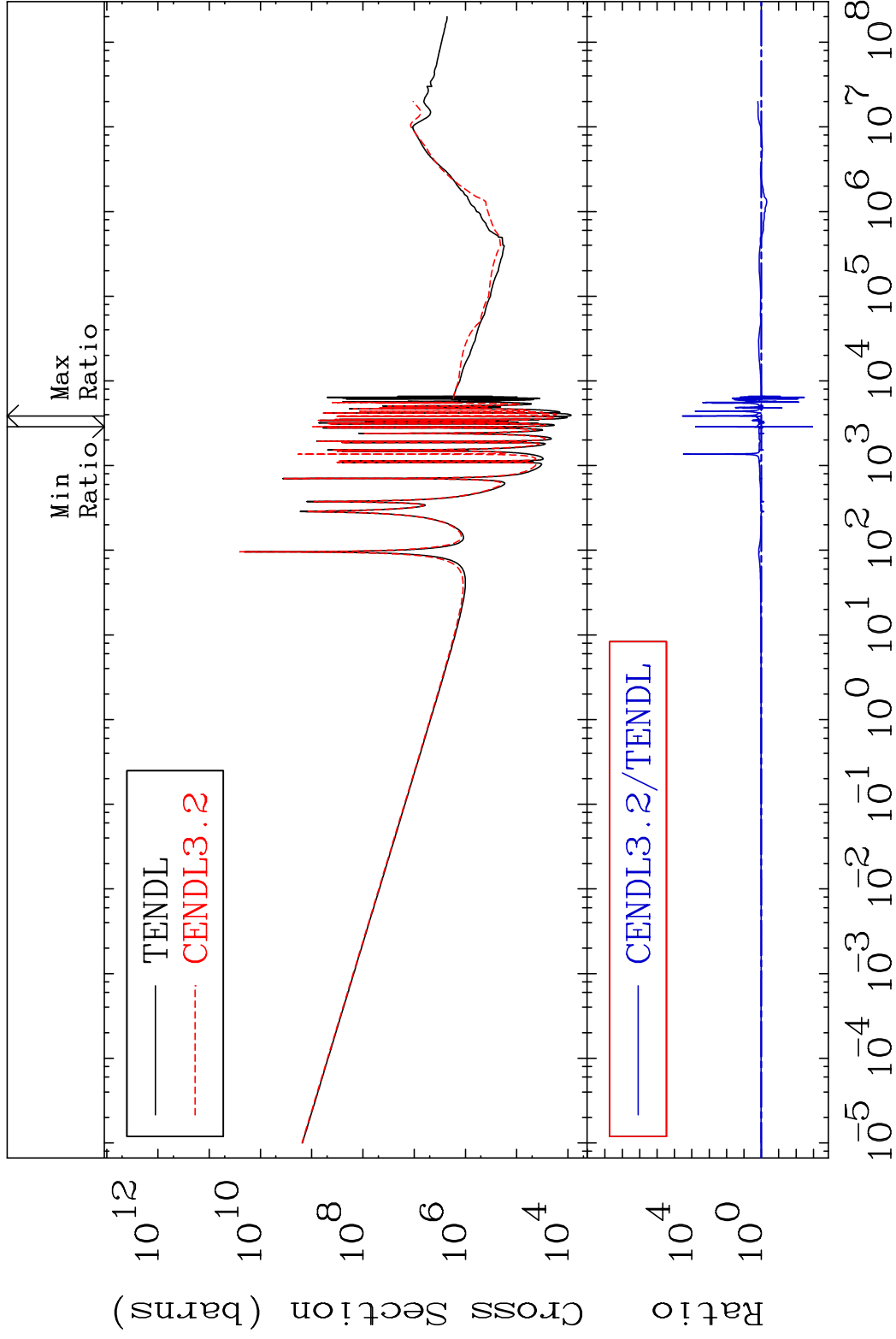
Kerma capture (mt102) 31-Ga-71

Cross Section -99.59 To 9999. %



MAT 3131

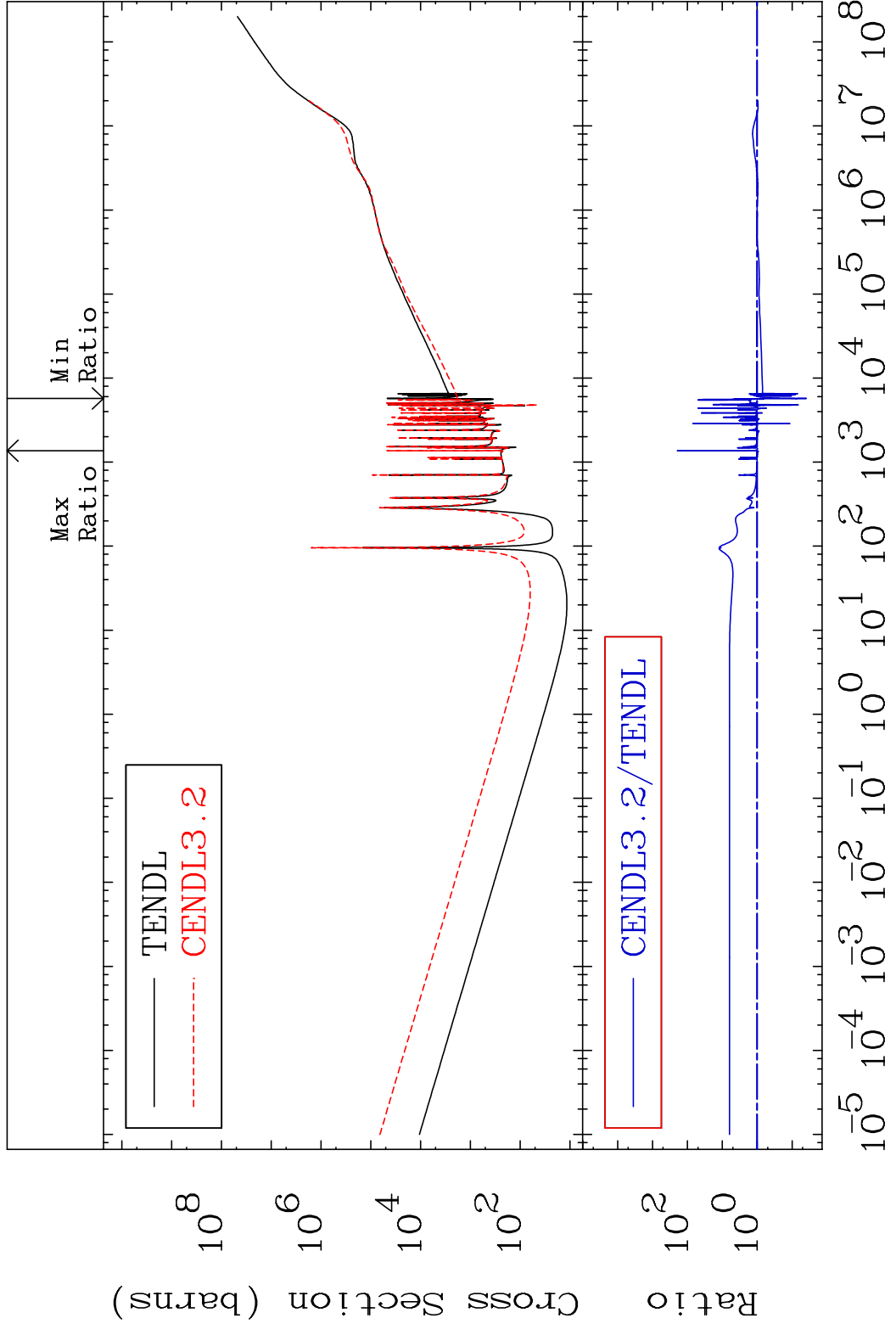
Total photon (eV-barns) 31-Ga-71  
Cross Section -99.89 To 9999. %



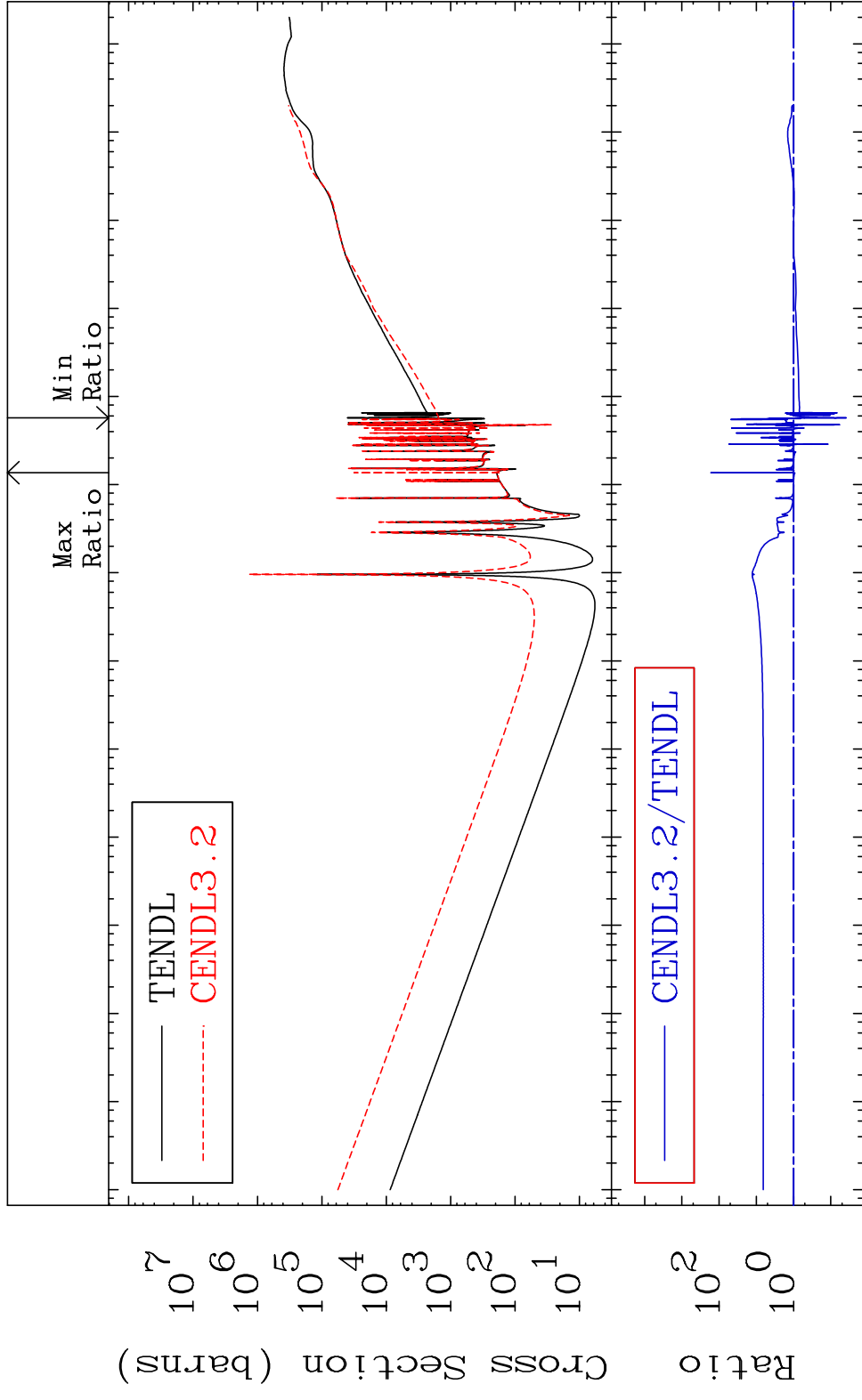
29

Incident Energy (eV) 31-Ga-71

MAT 3131 Total kinematic kerma (high limit) 31-Ga-71  
 Cross Section -96.11 To 9999. %



MAT 3131      Dpa total (eV-barns)      31-Ga-71  
 Cross Section      -96.17 To 9999. %



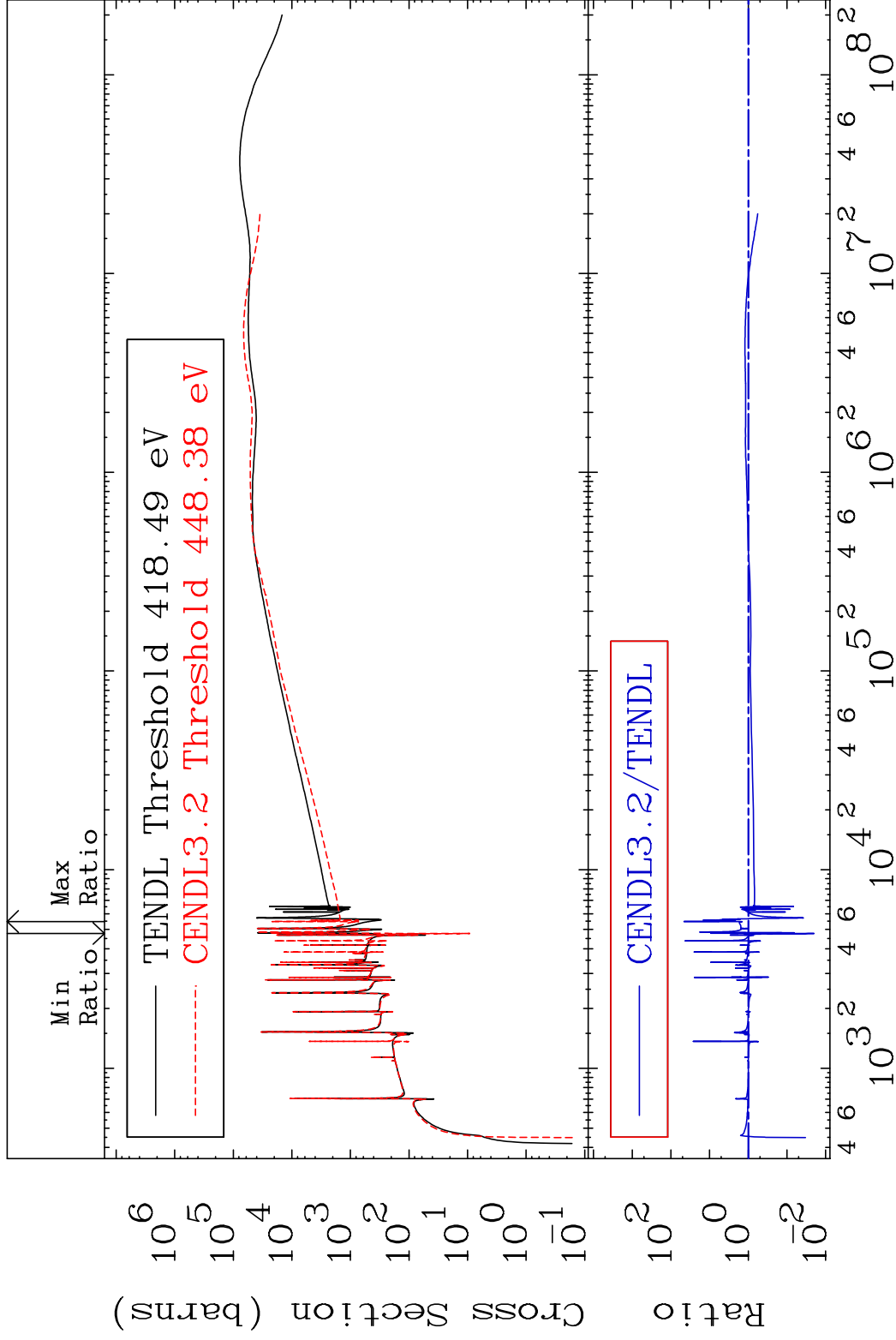
31      Incident Energy (eV)      31-Ga-71

MAT 3131

Dpa elastic (mt2)

31-Ga-71

Cross Section -98.01 To 4585. %

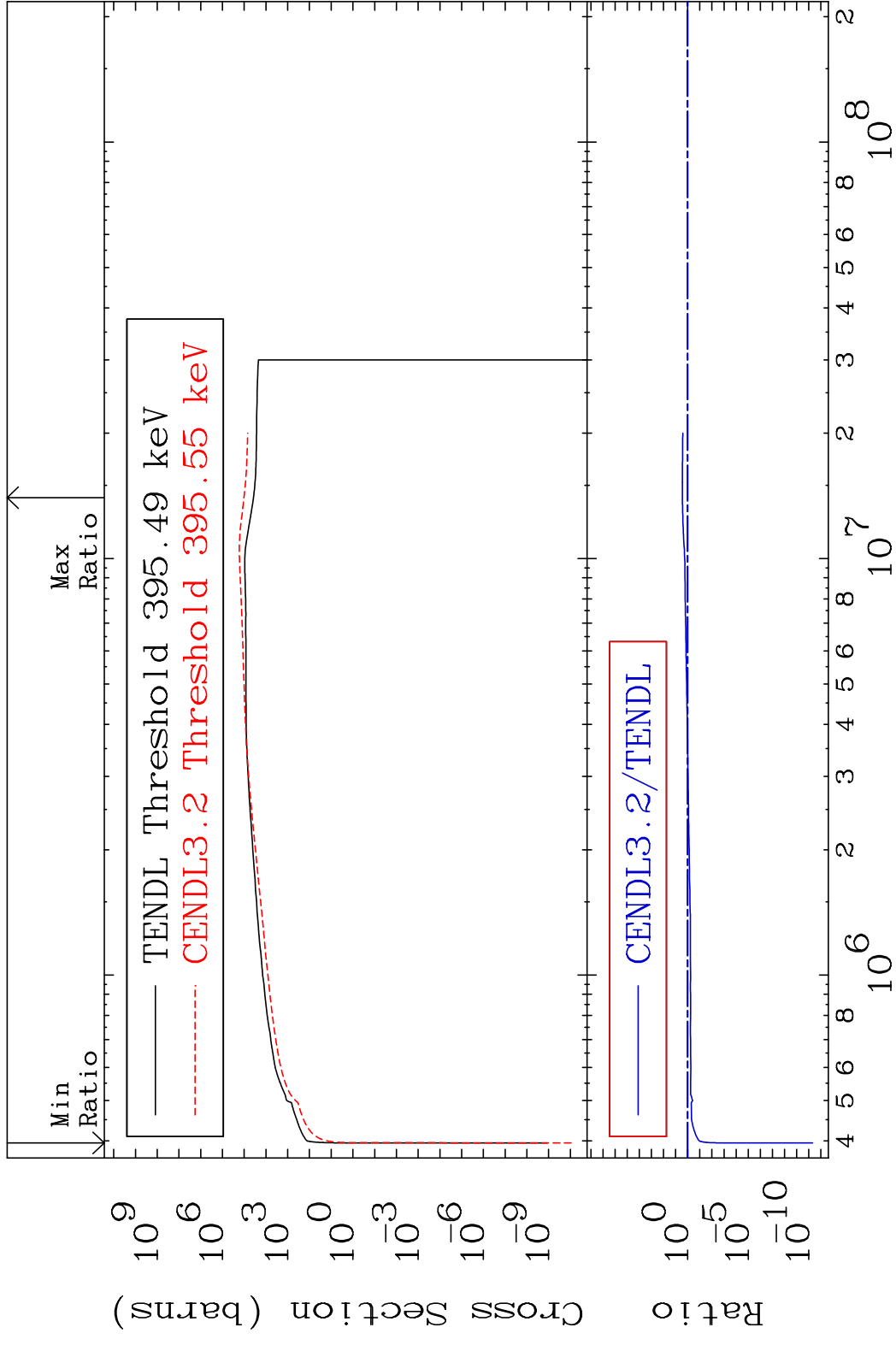


32

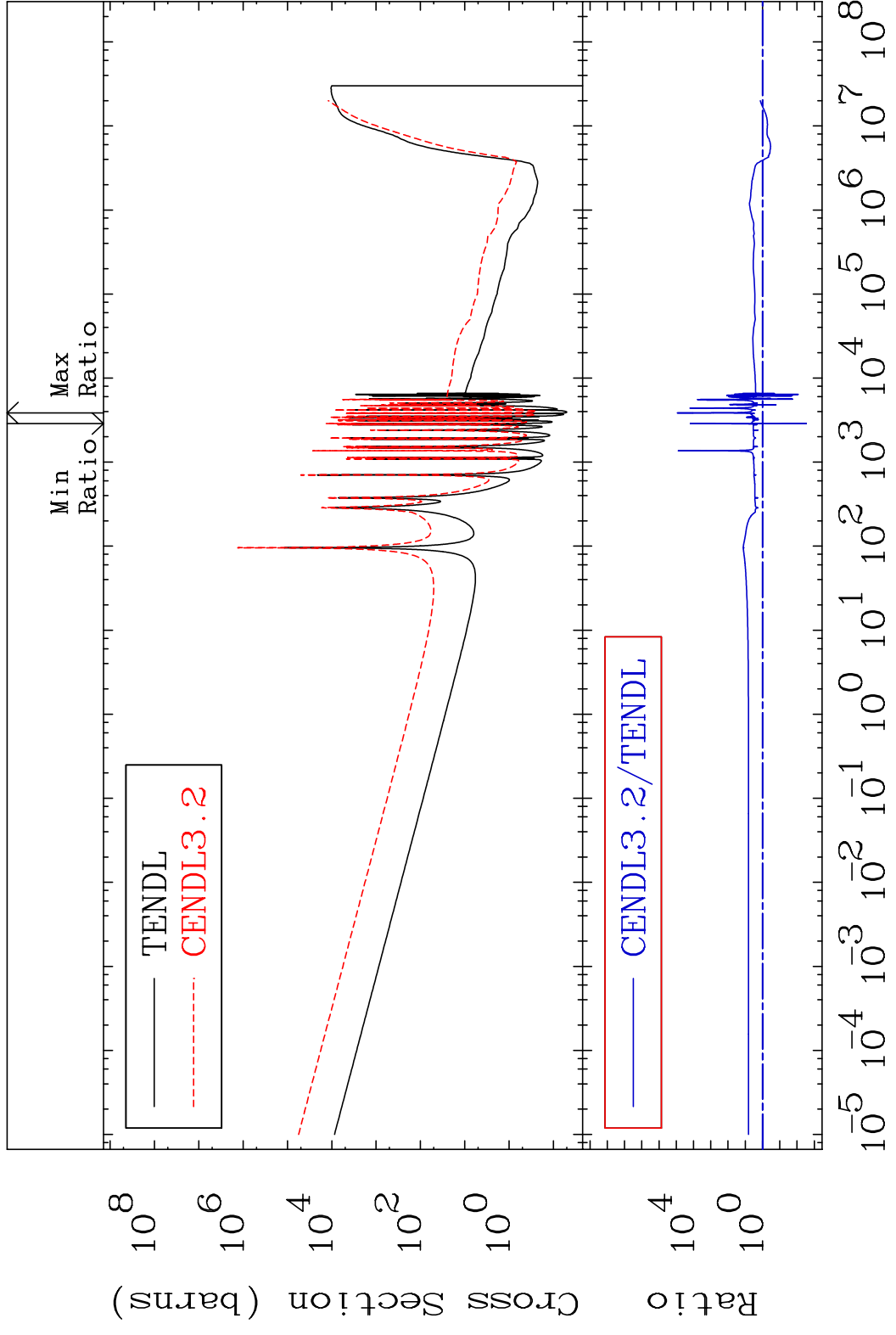
Incident Energy (eV)

31-Ga-71

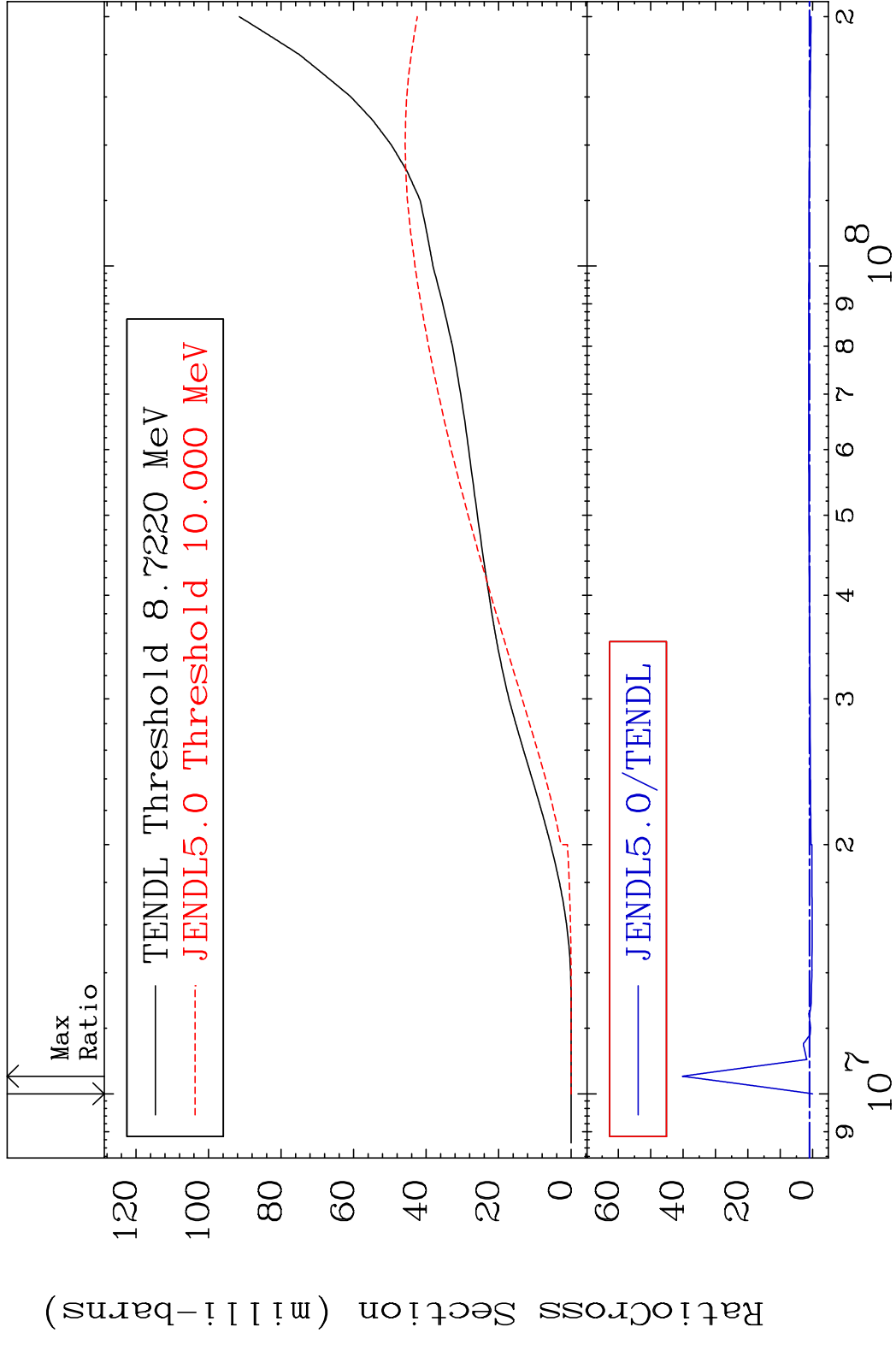
MAT 3131      Dpa inelastic (mt51-91)      31-Ga-71  
 Cross Section      -100.0 To 176.2 %



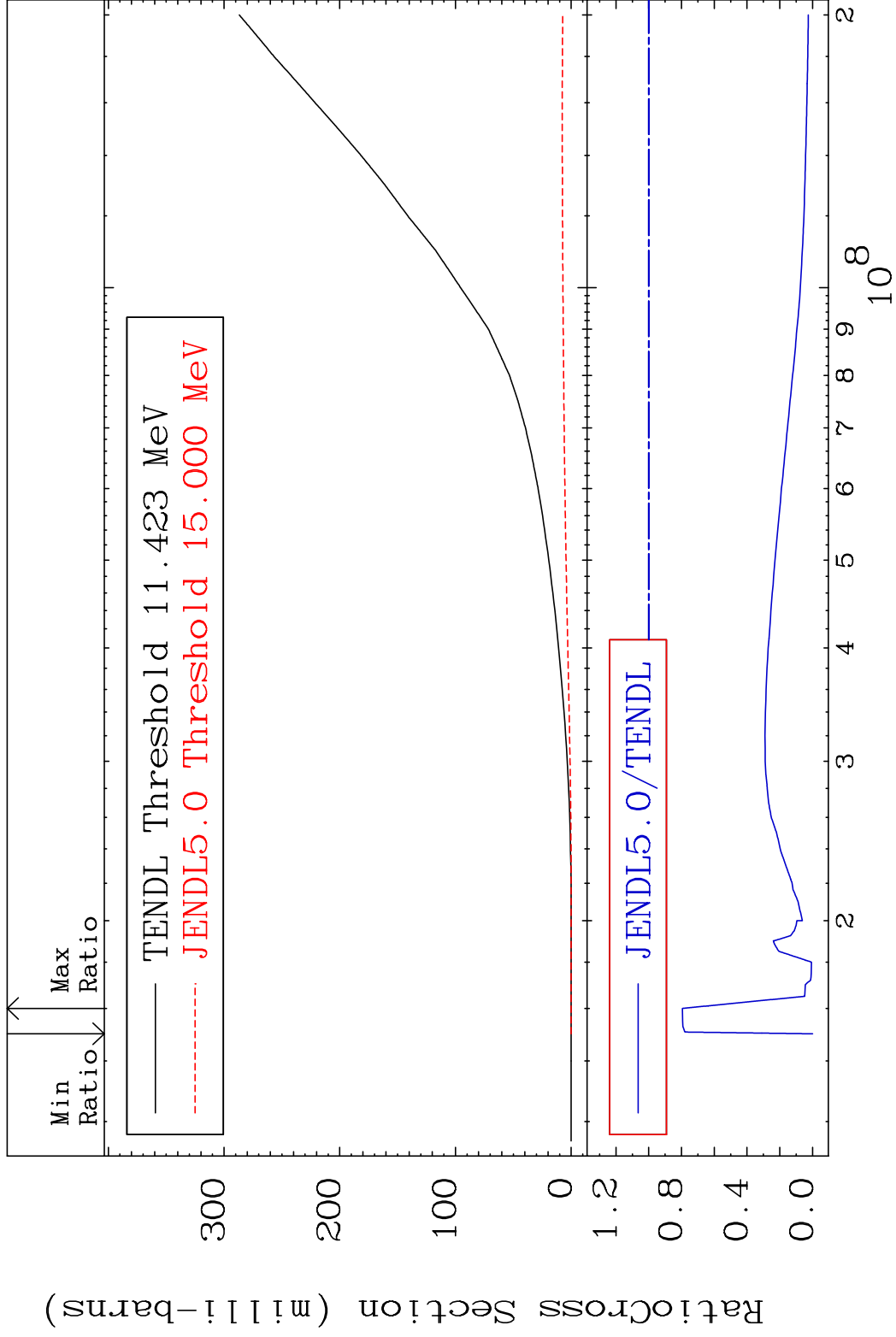
MAT 3131    Dpa disappearance (mt102 -120)    31-Ga-71  
 Cross Section    -99.71 To 9999. %



MAT 3131 Tritium Production 31-Ga-71  
 Cross Section -100.0 To 3920. %



Cross Section -100.0 To -20.52%

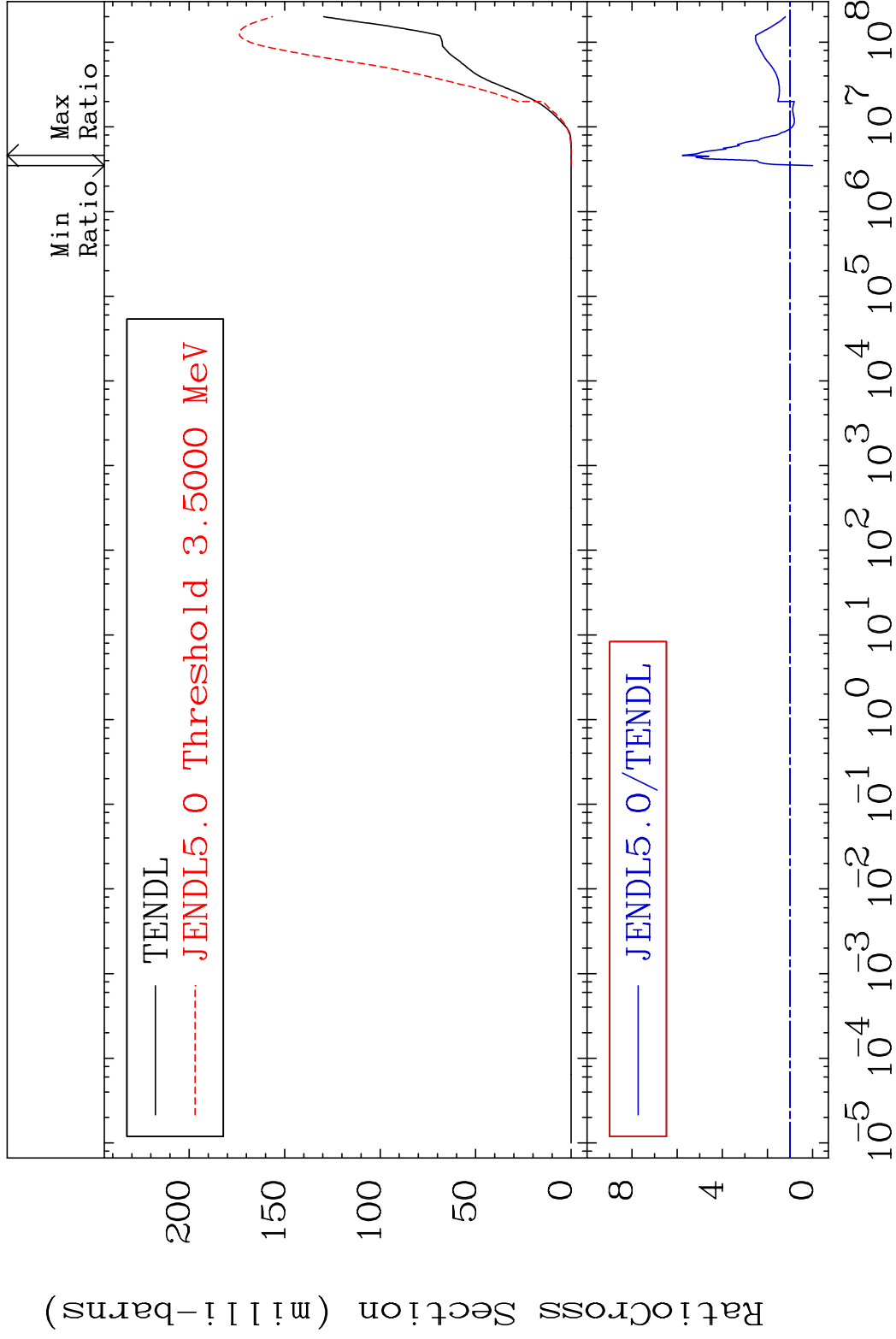


MAT 3131

He-4 Production

31-Ga-71

Cross Section -100.0 To 476.8 %

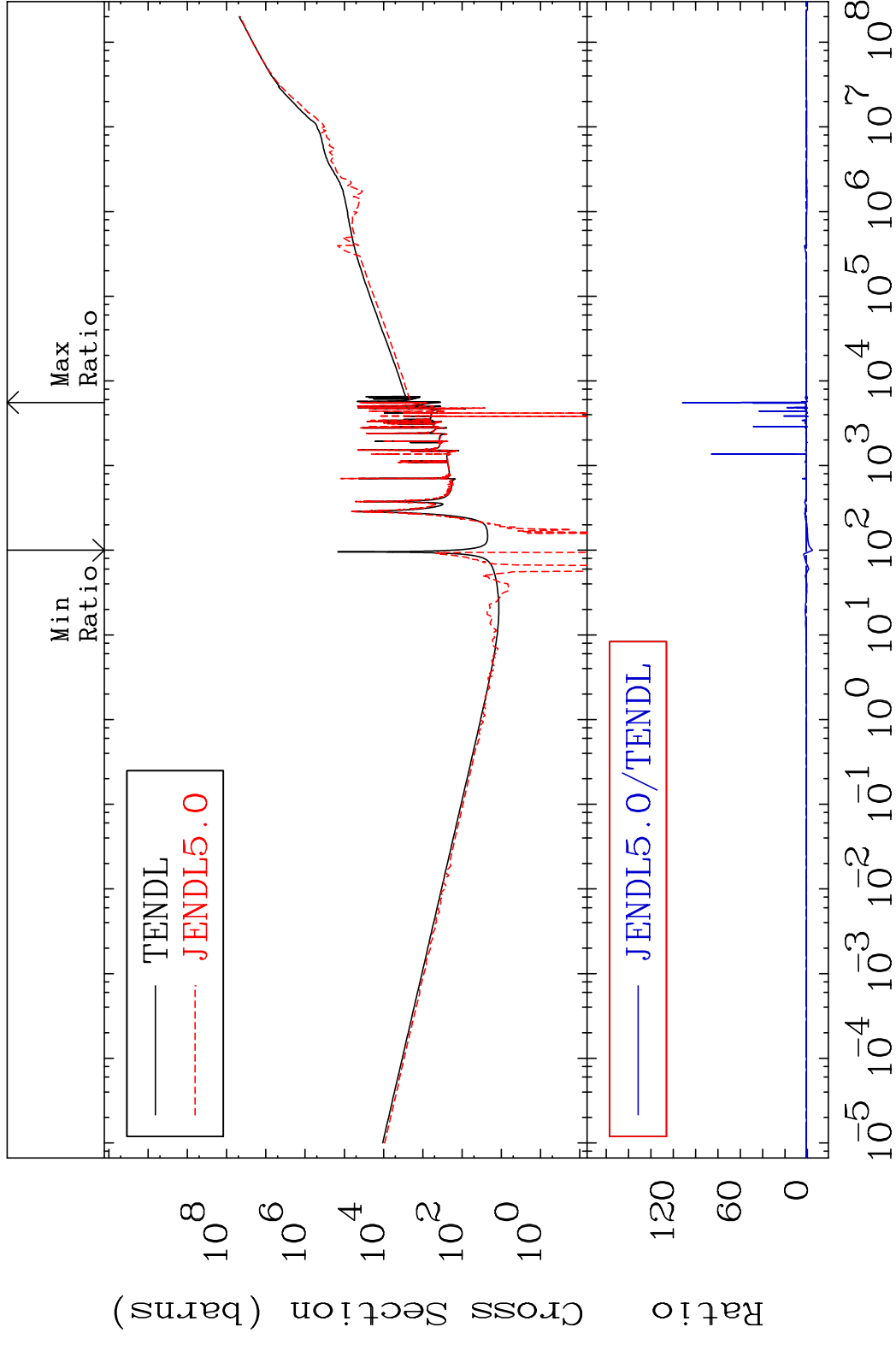


37

Incident Energy (eV)

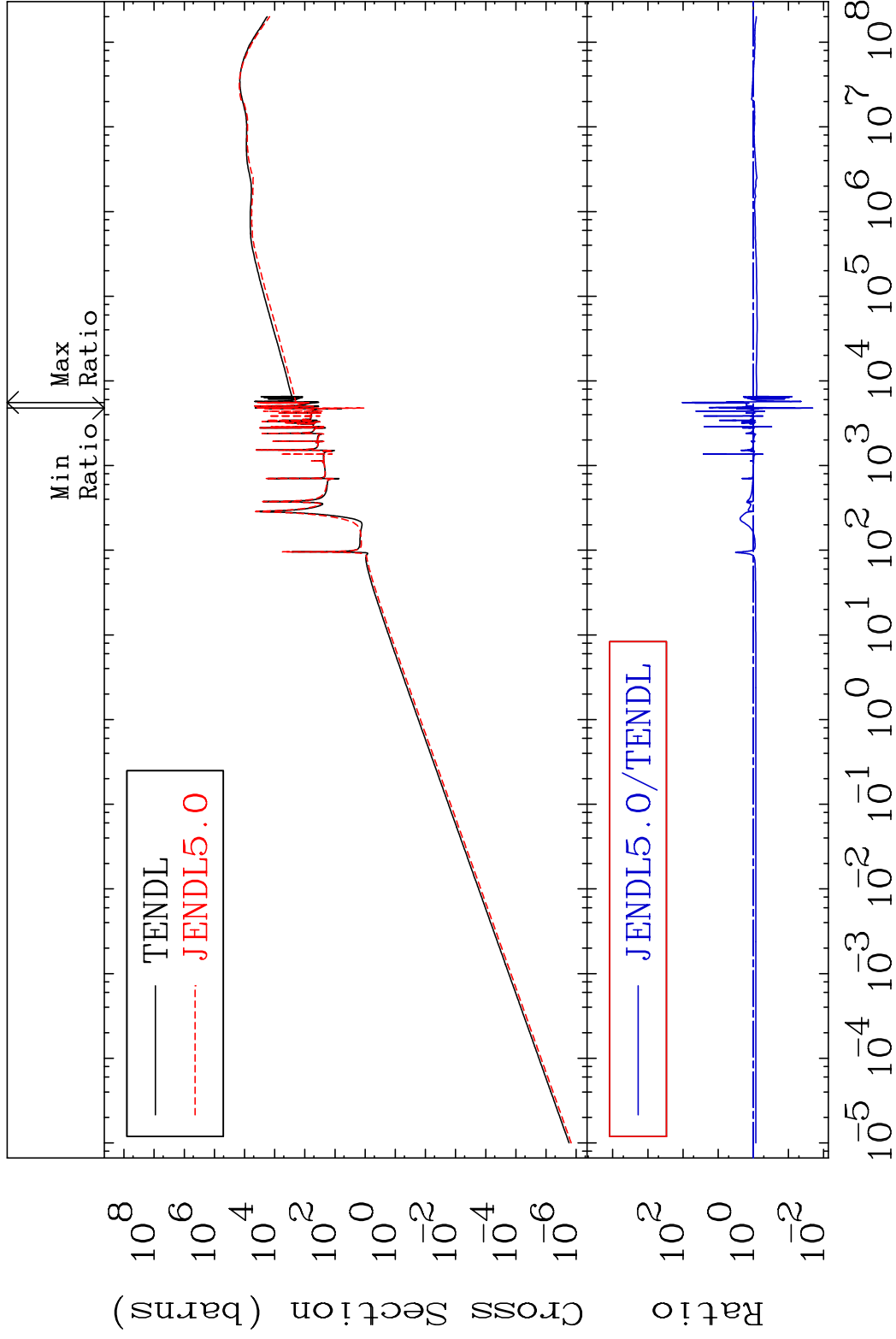
31-Ga-71

MAT 3131 Kerma total (eV-barns) 31-Ga-71  
 Cross Section -560.4 To 9999. %



MAT 3131

Kerma elastic Cross Section -97.94 To 9999. %  
31-Ga-71

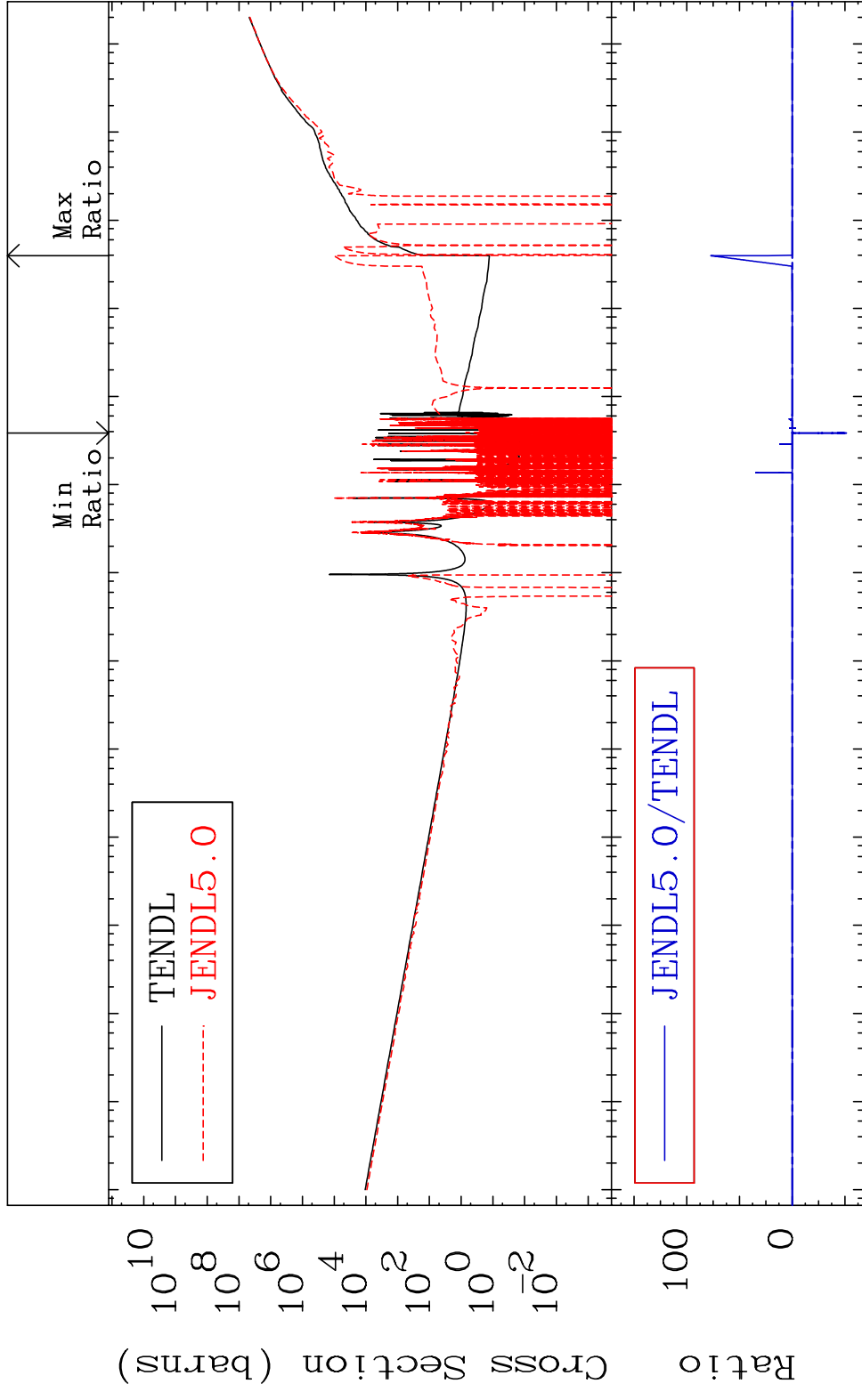


39

Incident Energy (eV)

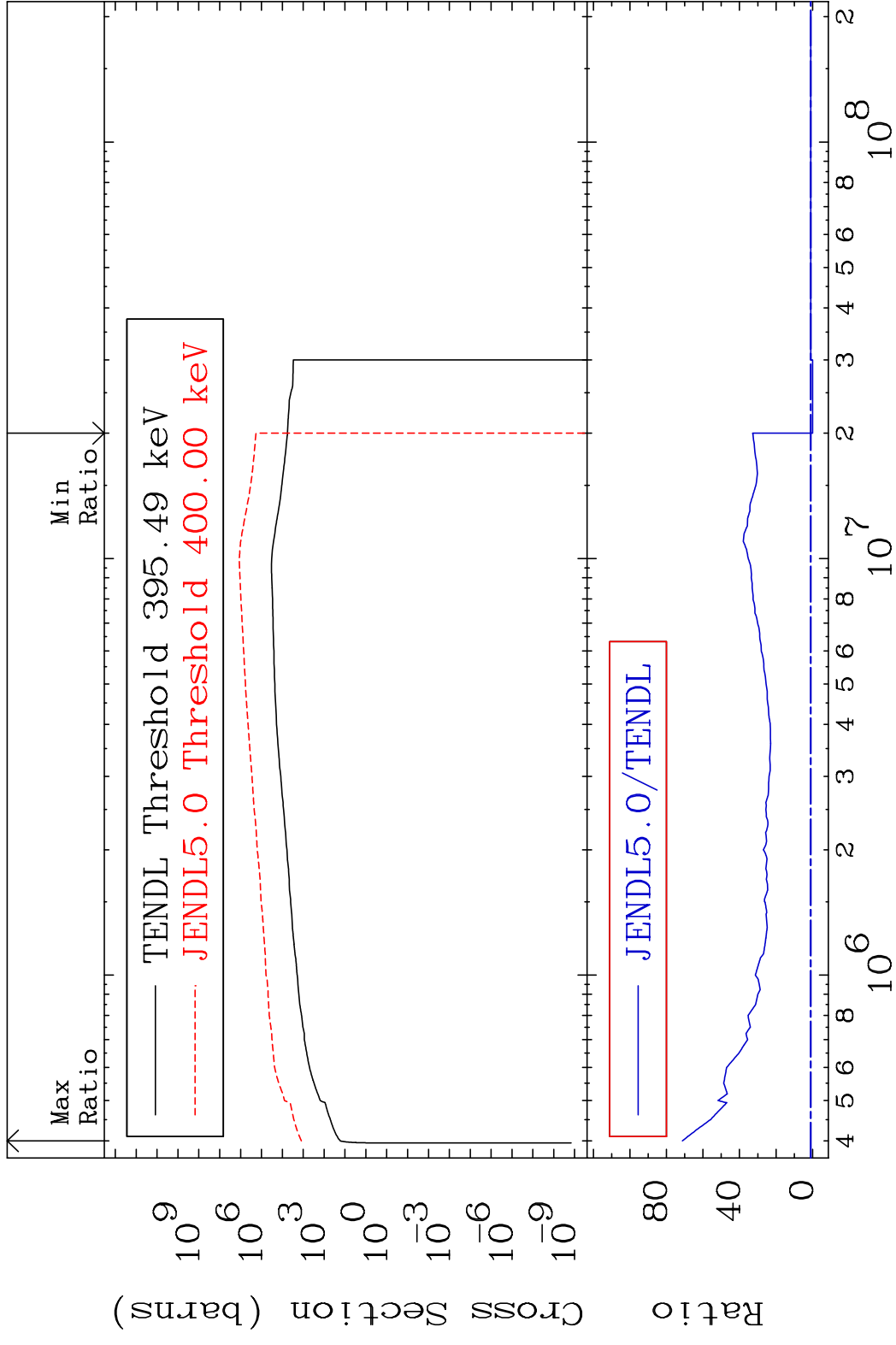
31-Ga-71

MAT 3131 Kerma non-elastic (all but mt2) 31-Ga-71  
 Cross Section -9999. To 9999. %

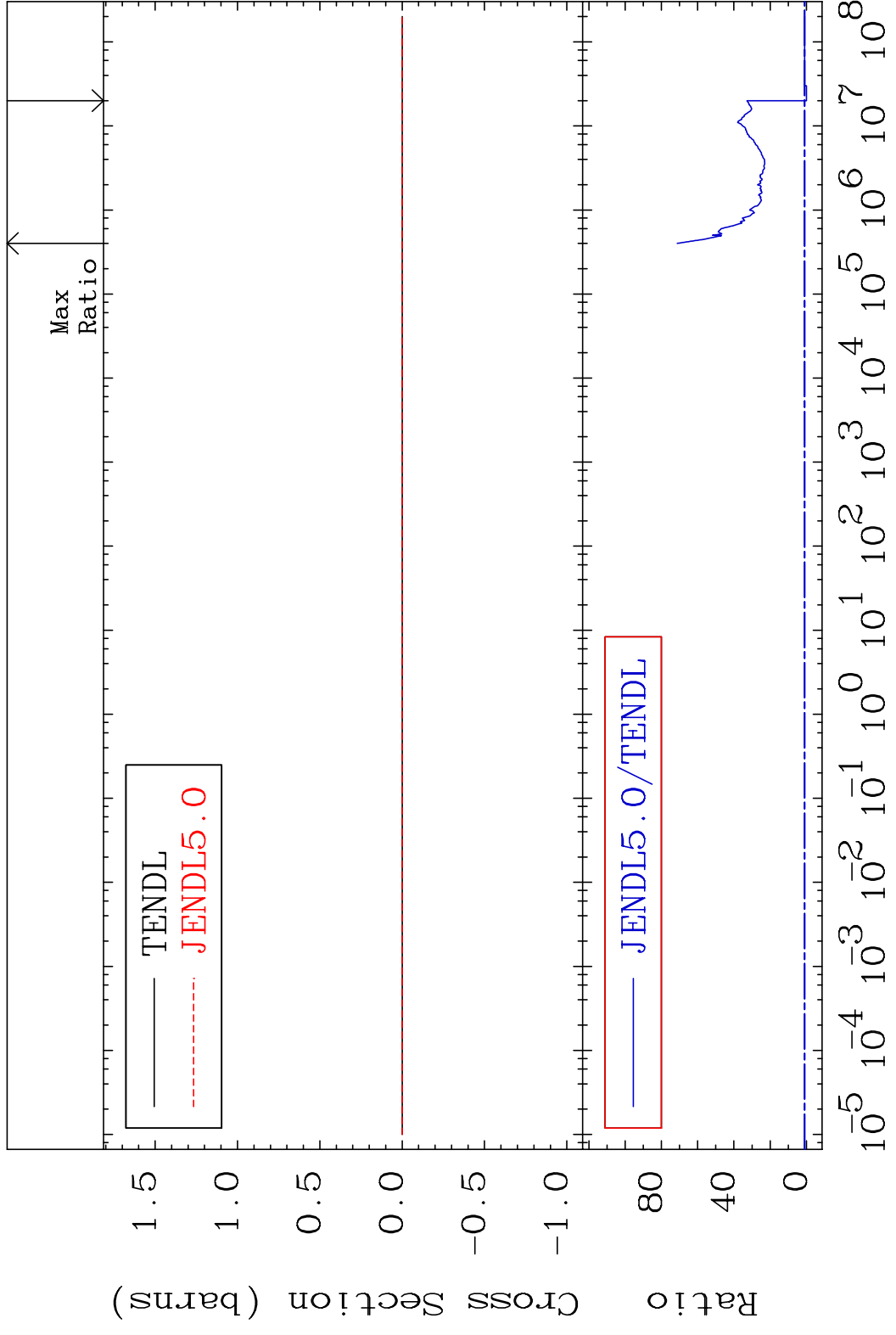


40 Incident Energy (eV) 31-Ga-71

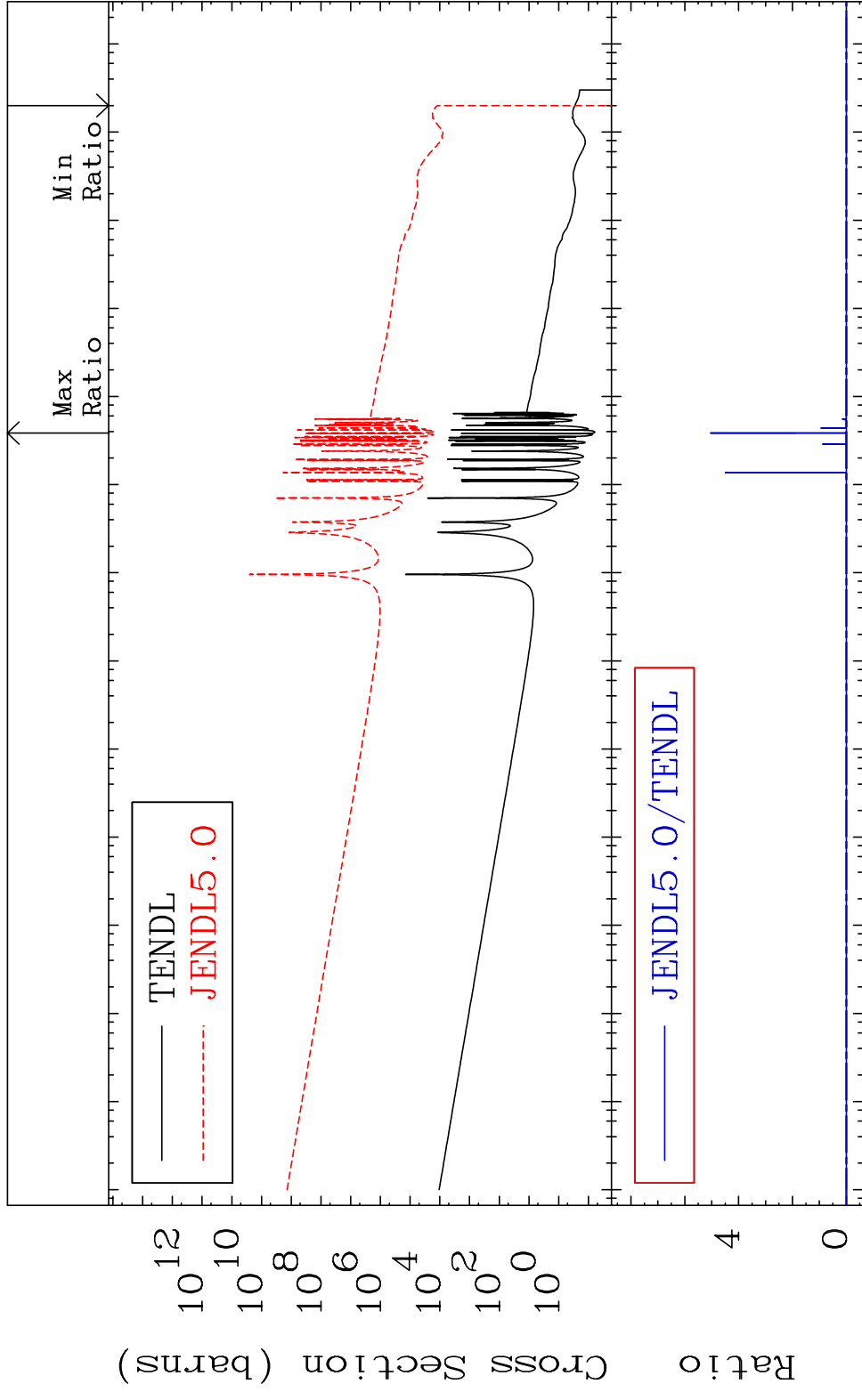
MAT 3131 Kerma inelastic (mt51-91) 31-Ga-71  
 Cross Section -100.0 To 7030. %



MAT 3131 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-71  
 Cross Section -100.0 To 7030. %

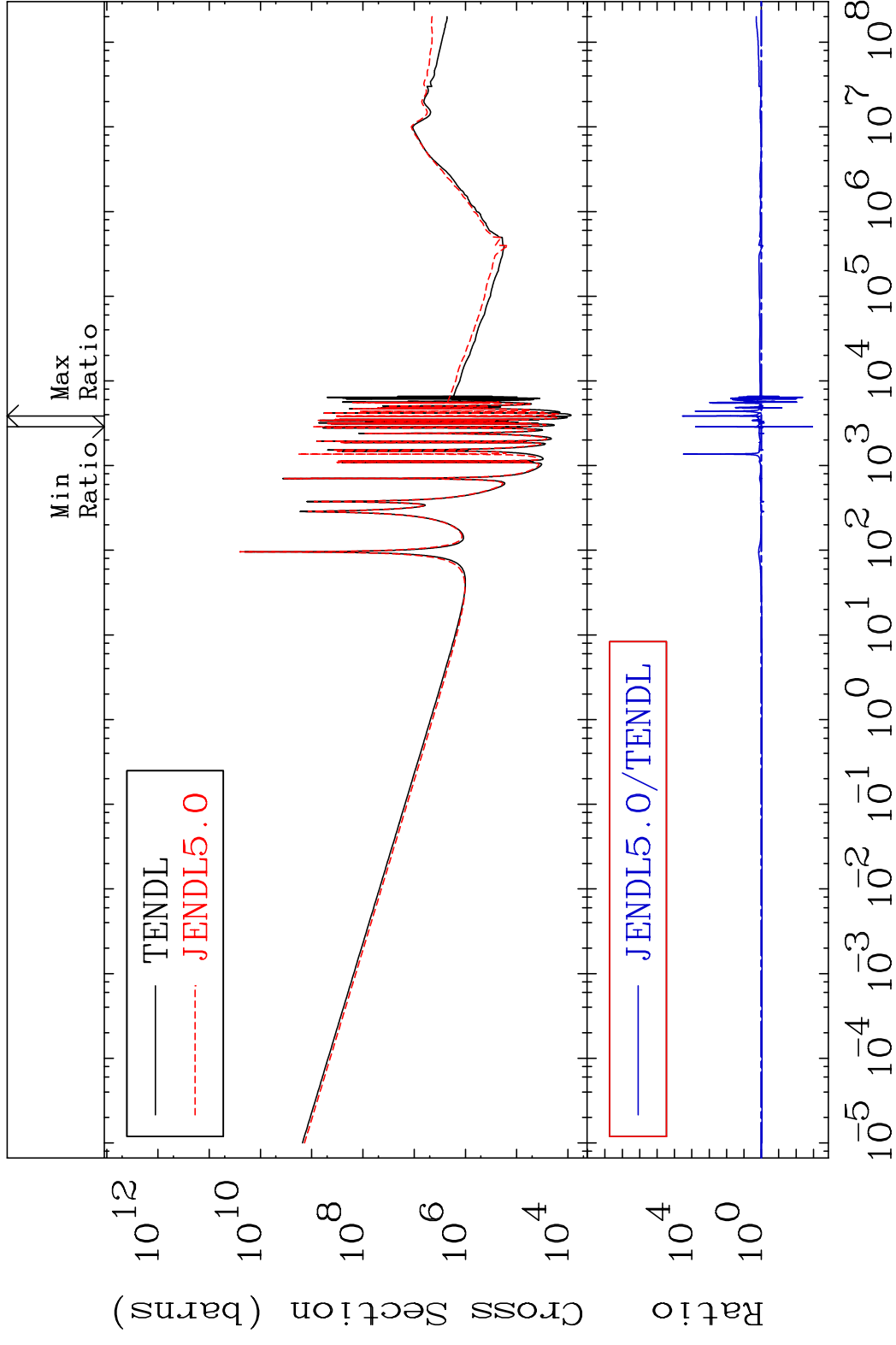


MAT 3131 Kerma capture (mt102) 31-Ga-71  
 Cross Section -100.0 To 9999. %

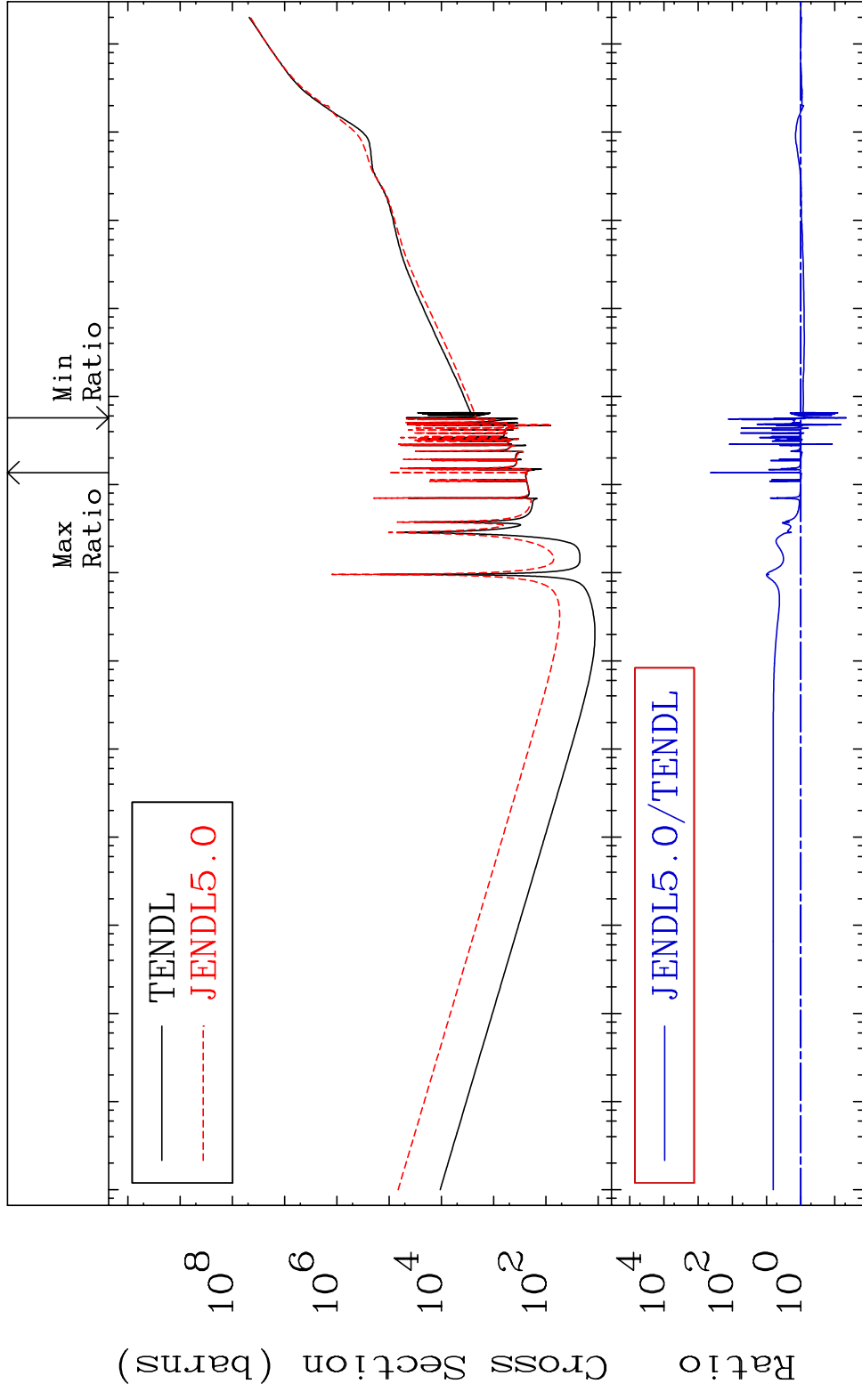


43 Incident Energy (eV) 31-Ga-71

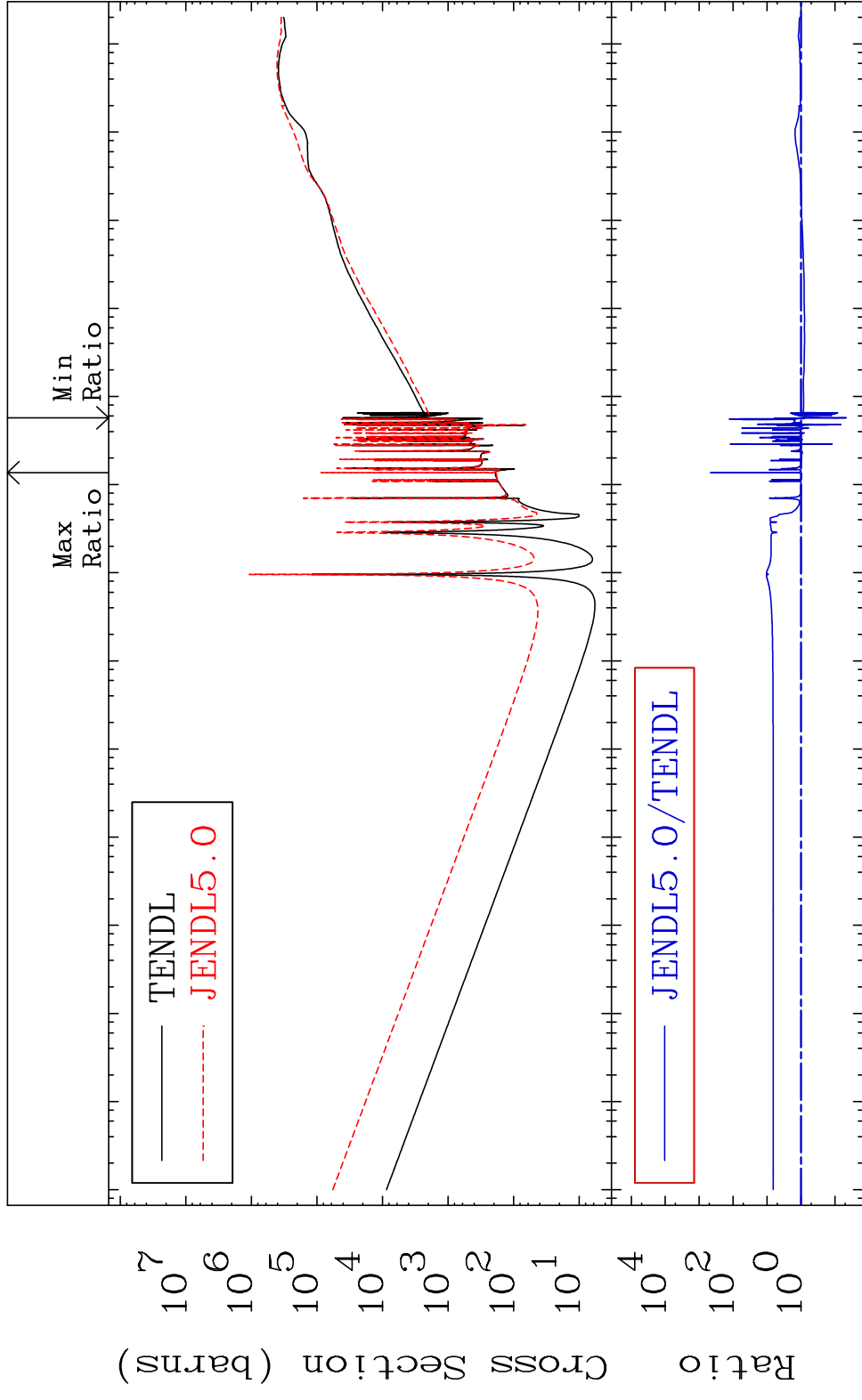
MAT 3131 Total photon (eV-barns) 31-Ga-71  
 Cross Section -99.89 To 9999. %



MAT 3131 Total kinematic kerma (high limit) 31-Ga-71  
 Cross Section -95.38 To 9999. %



MAT 3131      Dpa total (eV-barns)      31-Ga-71  
 Cross Section      -95.39 To 9999. %

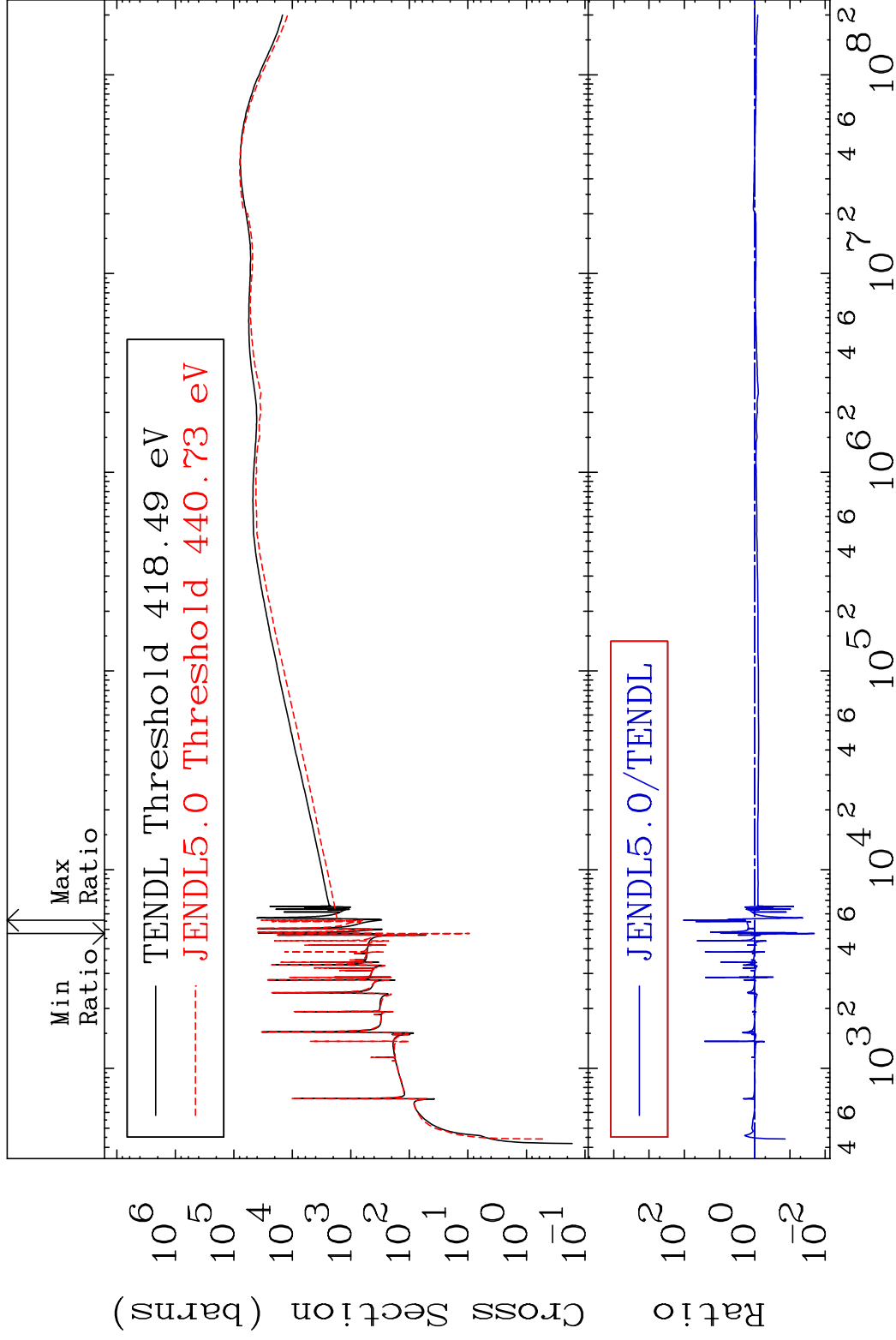


MAT 3131

Dpa elastic (mt2)

31-Ga-71

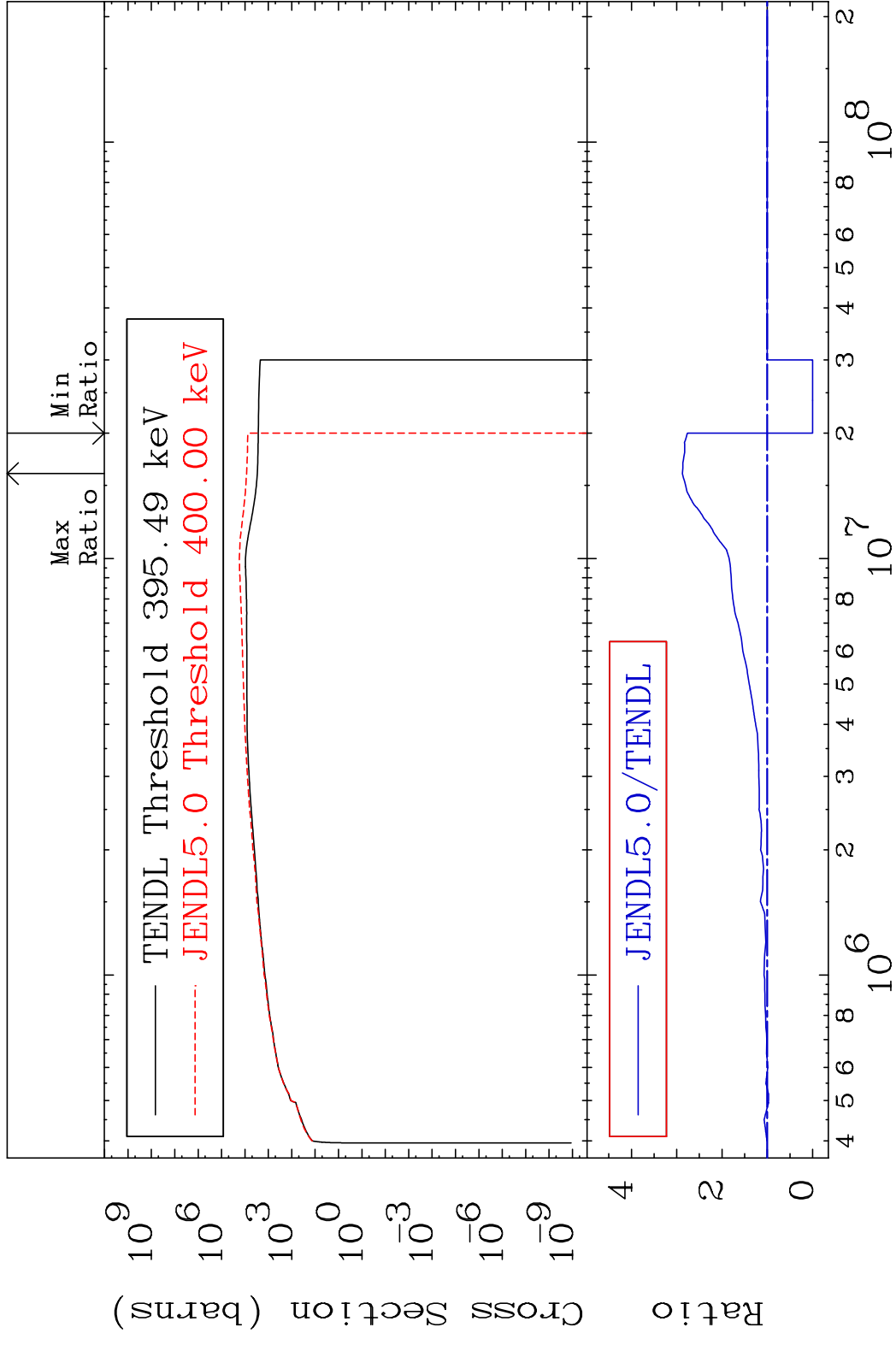
Cross Section -97.94 To 9999. %



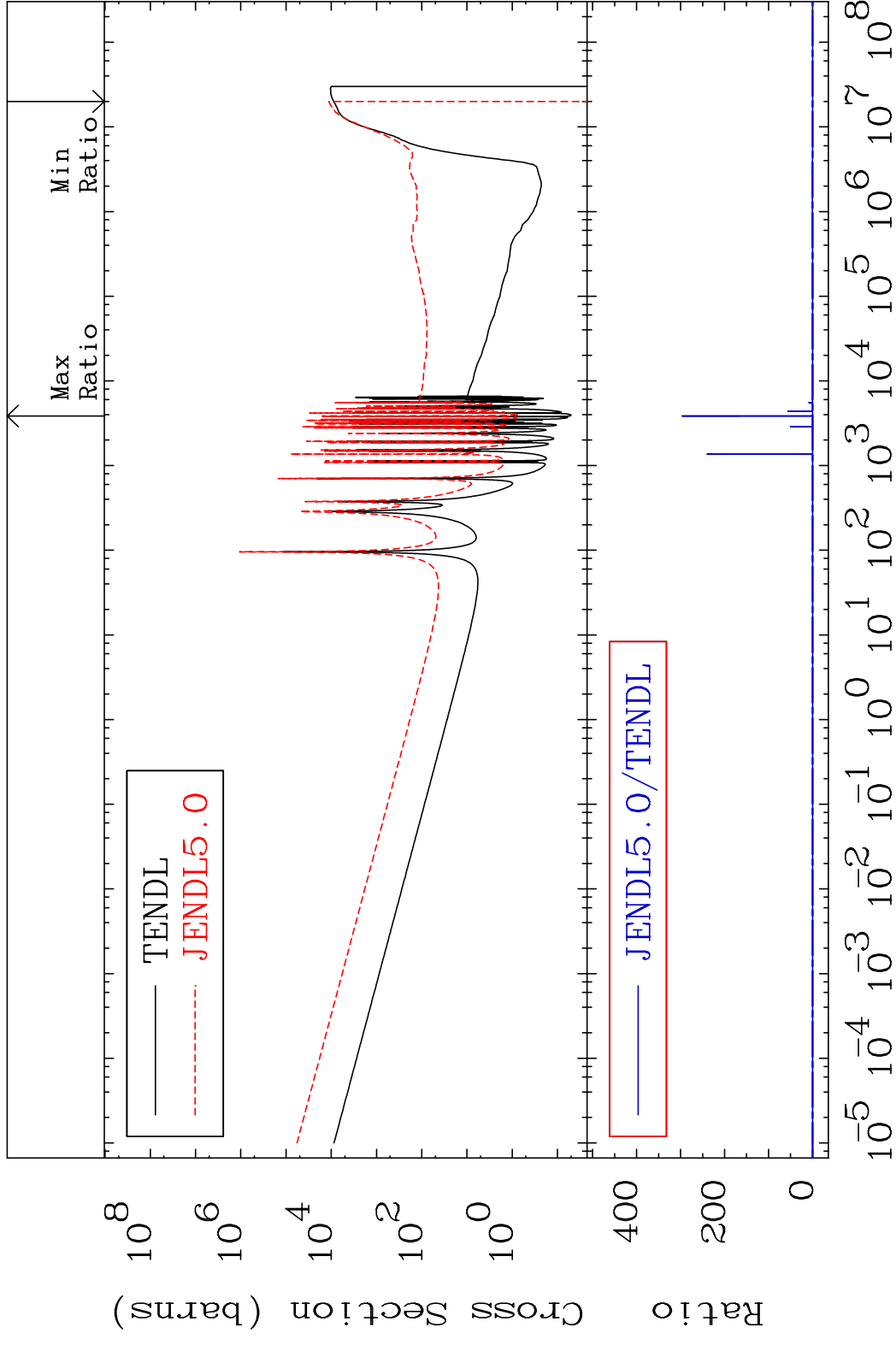
47

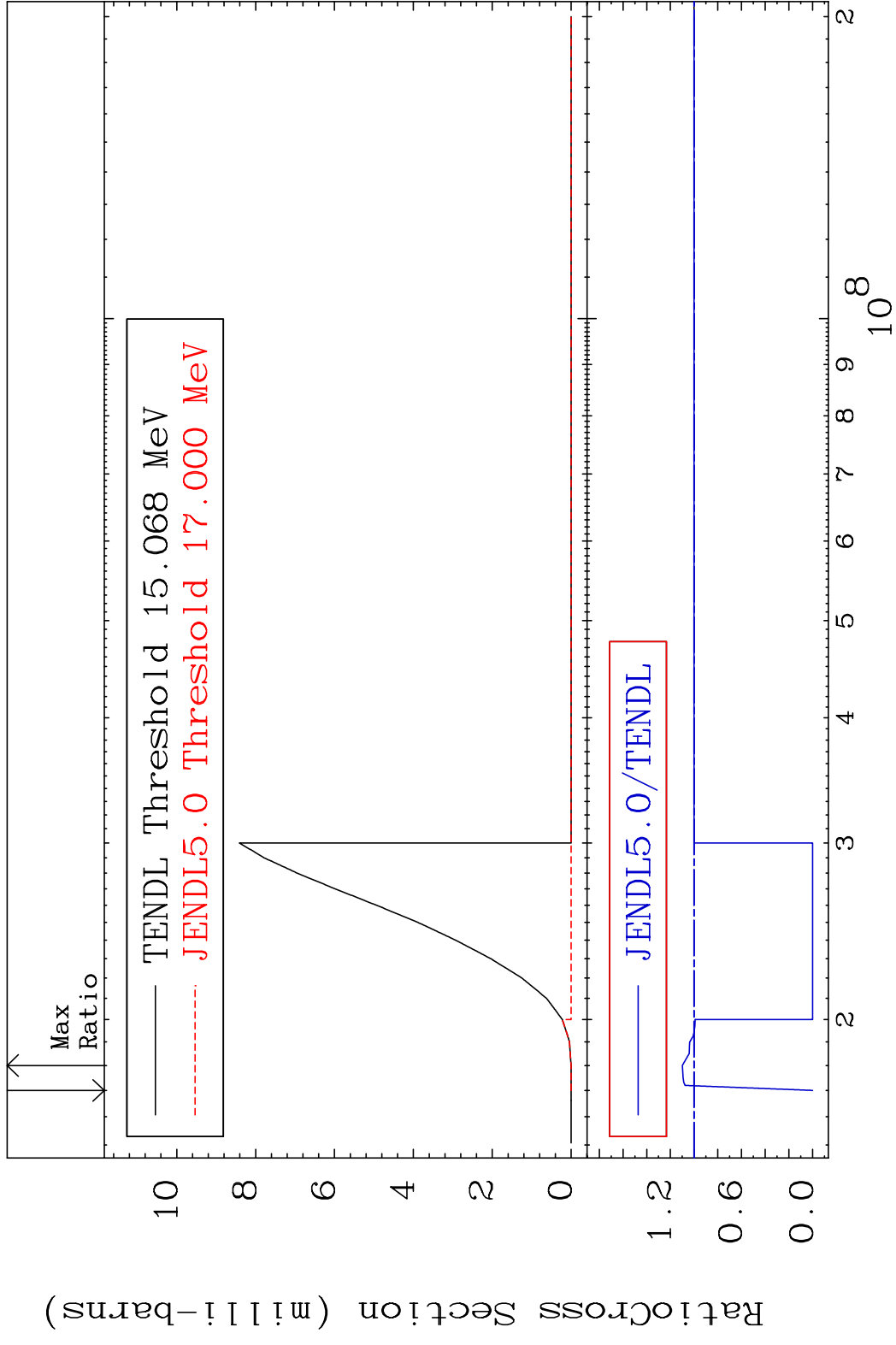
Incident Energy (eV)

31-Ga-71



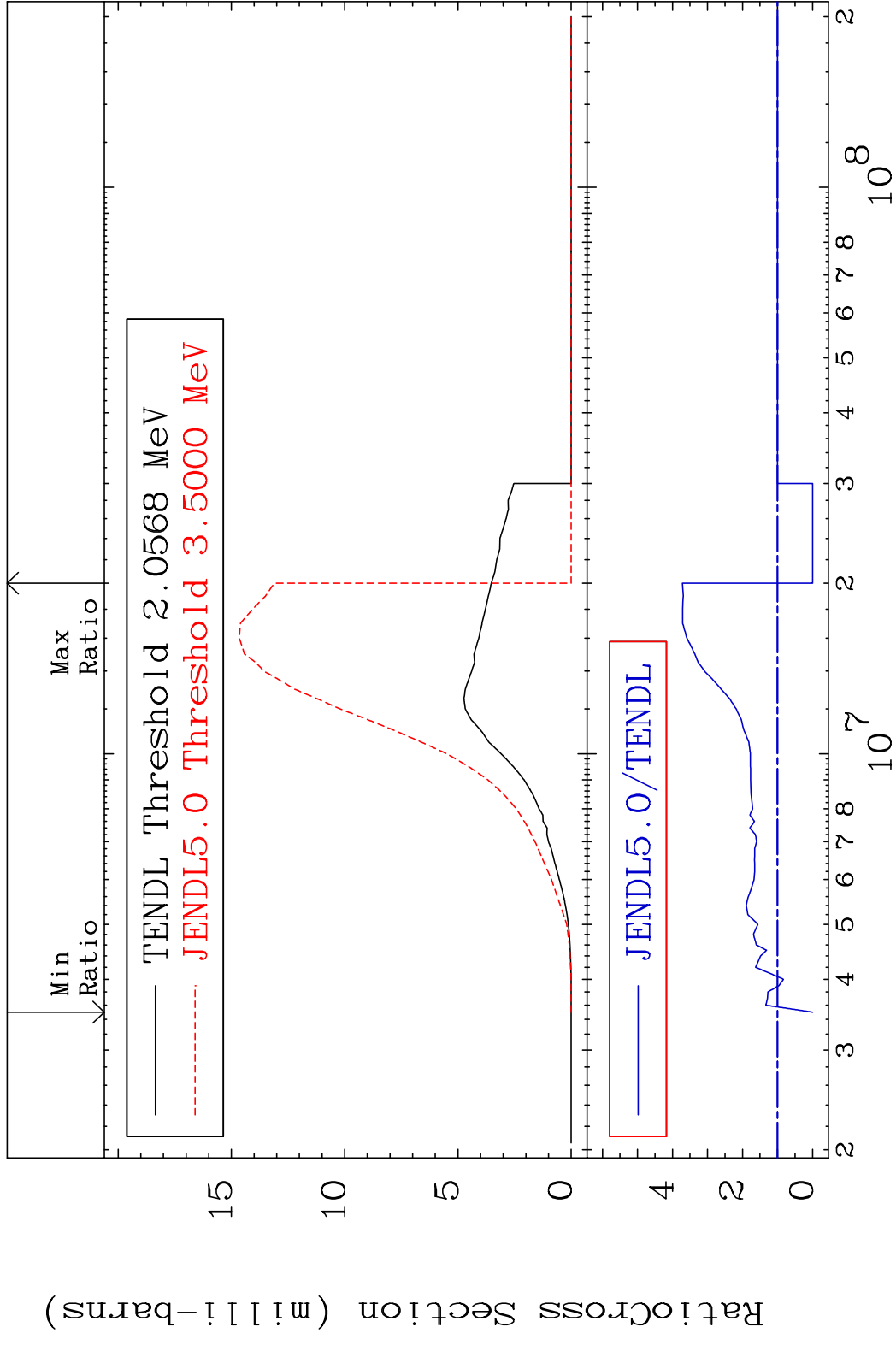
MAT 3131 Dpa disappearance (mt102 -120) 31-Ga-71  
 Cross Section -100.0 To 9999. %



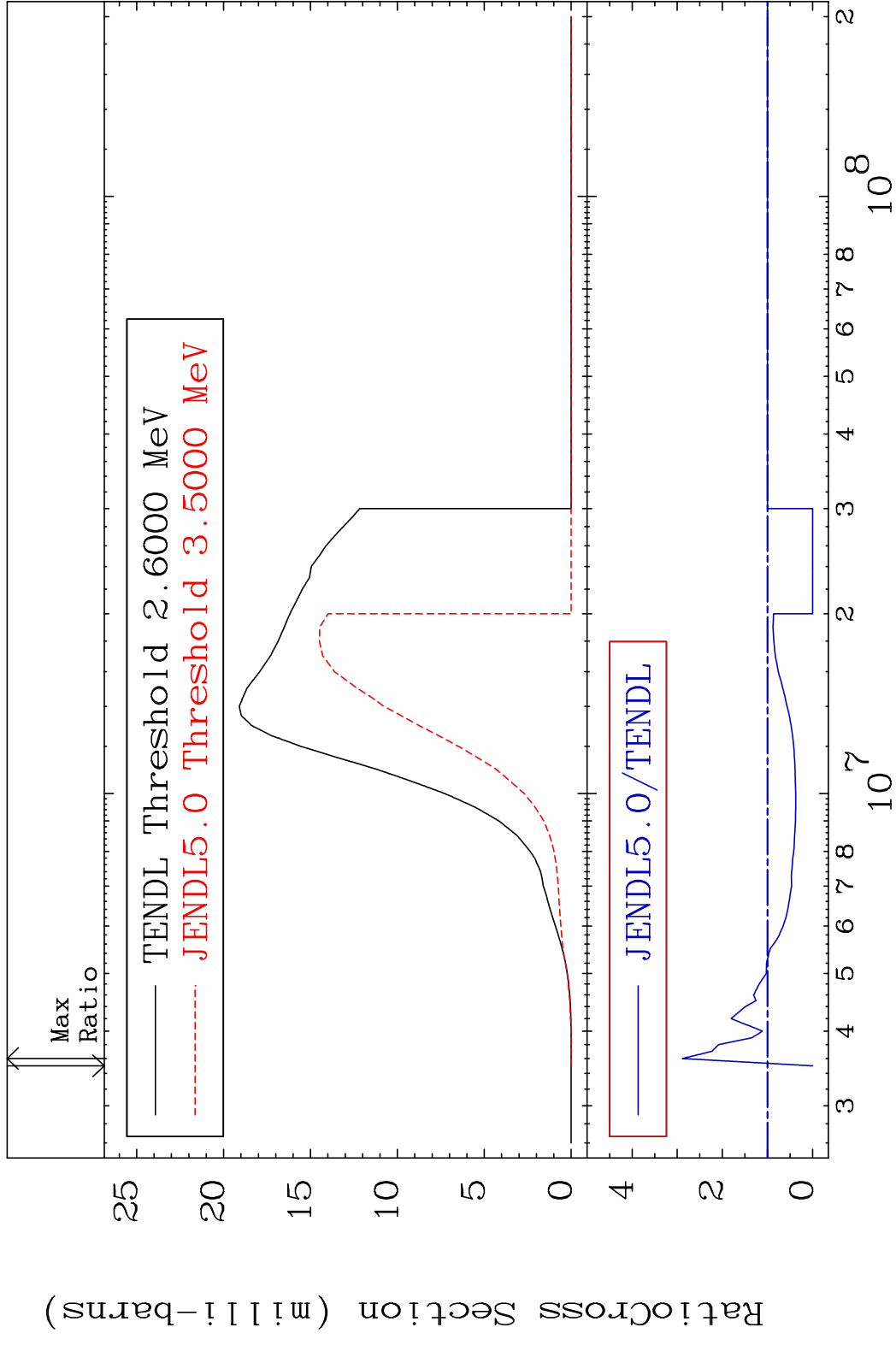


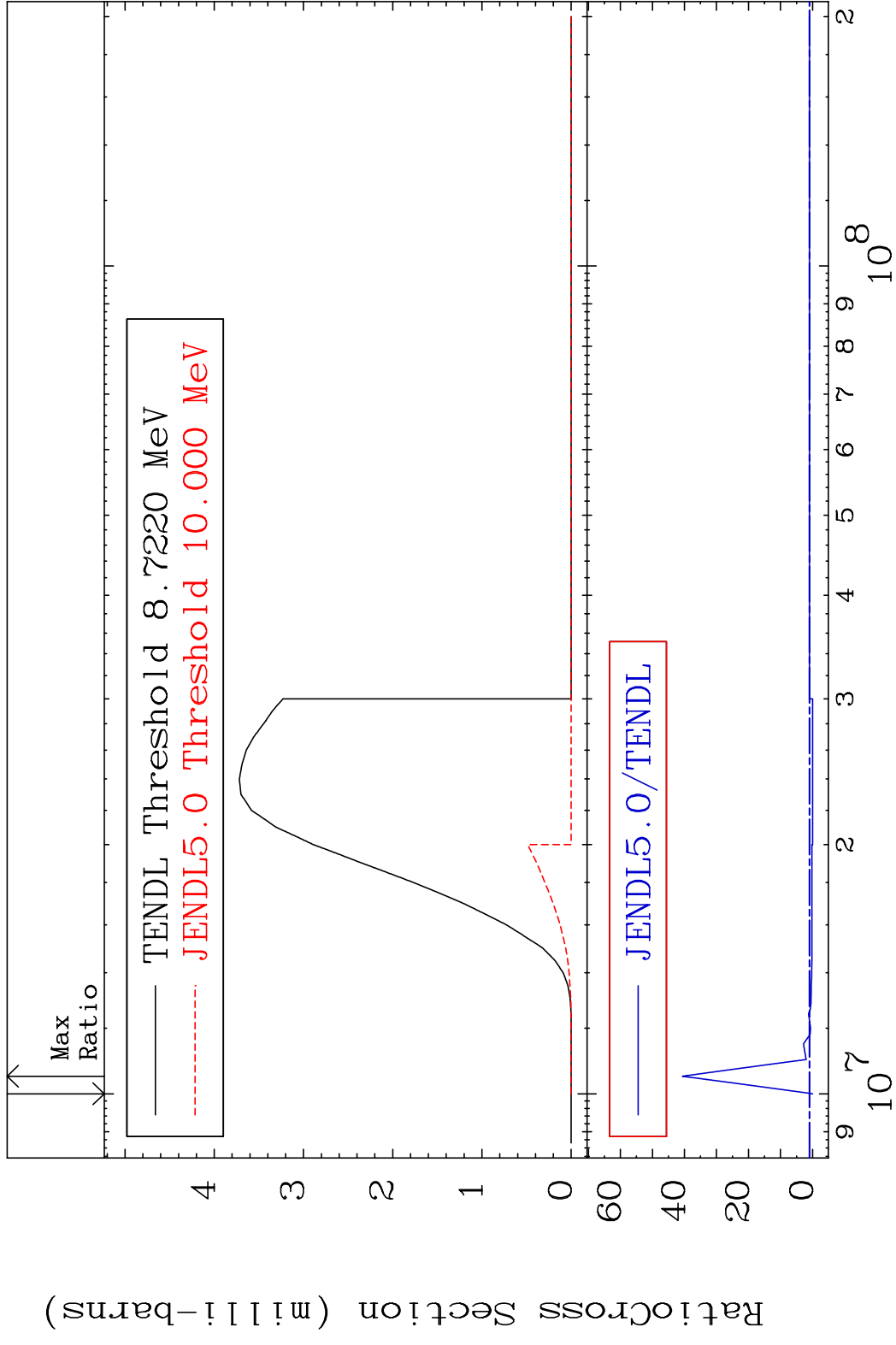


MAT 3131 (n, p):30-Zn-71g 31-Ga-71  
 Radionuclide Production Cross Section 180.0 dth 271.9 %

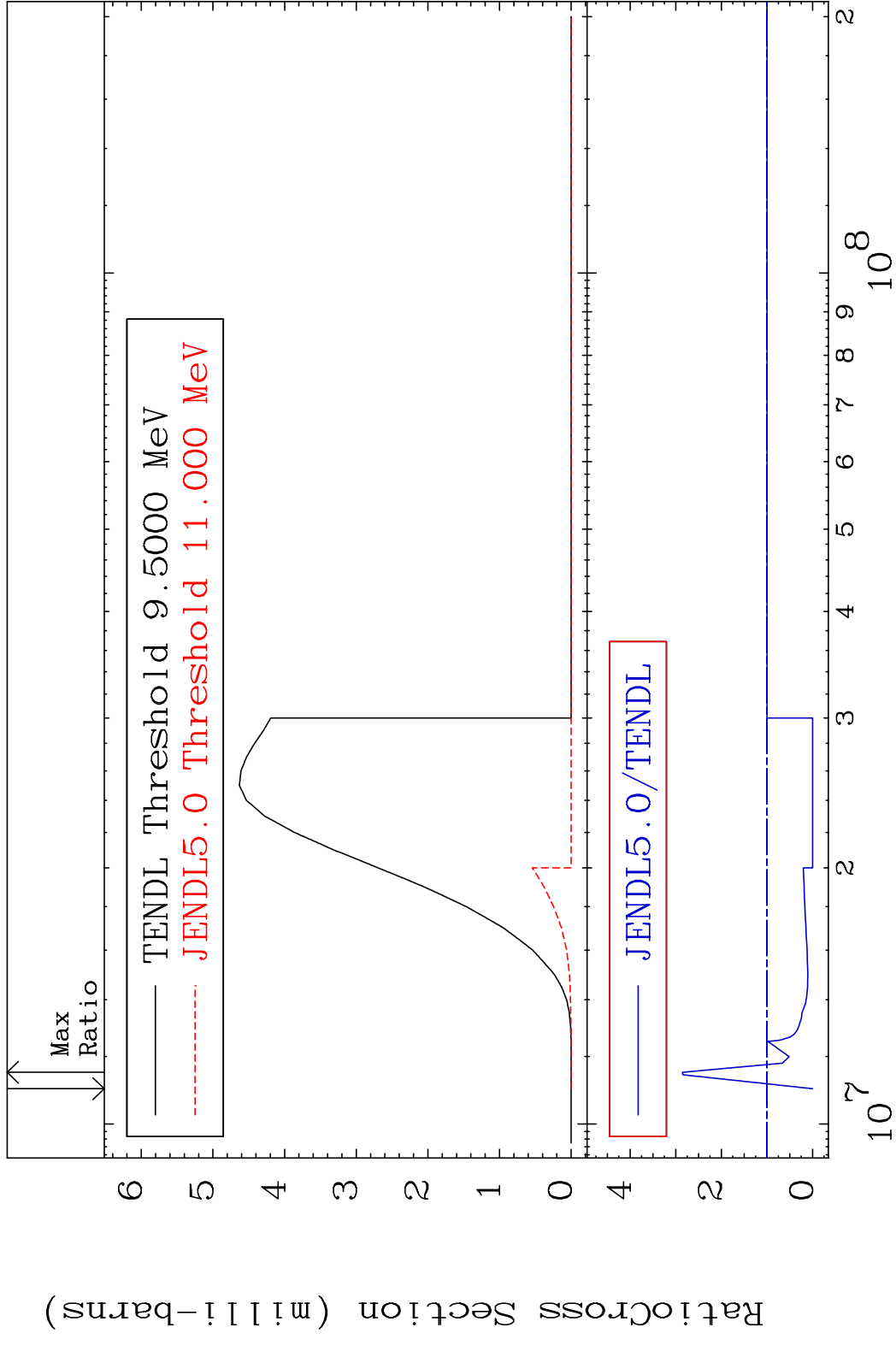


MAT 3131 (n,p):30-Zn-71m1 31-Ga-71  
 Radionuclide Production Cross Section 188.7 %

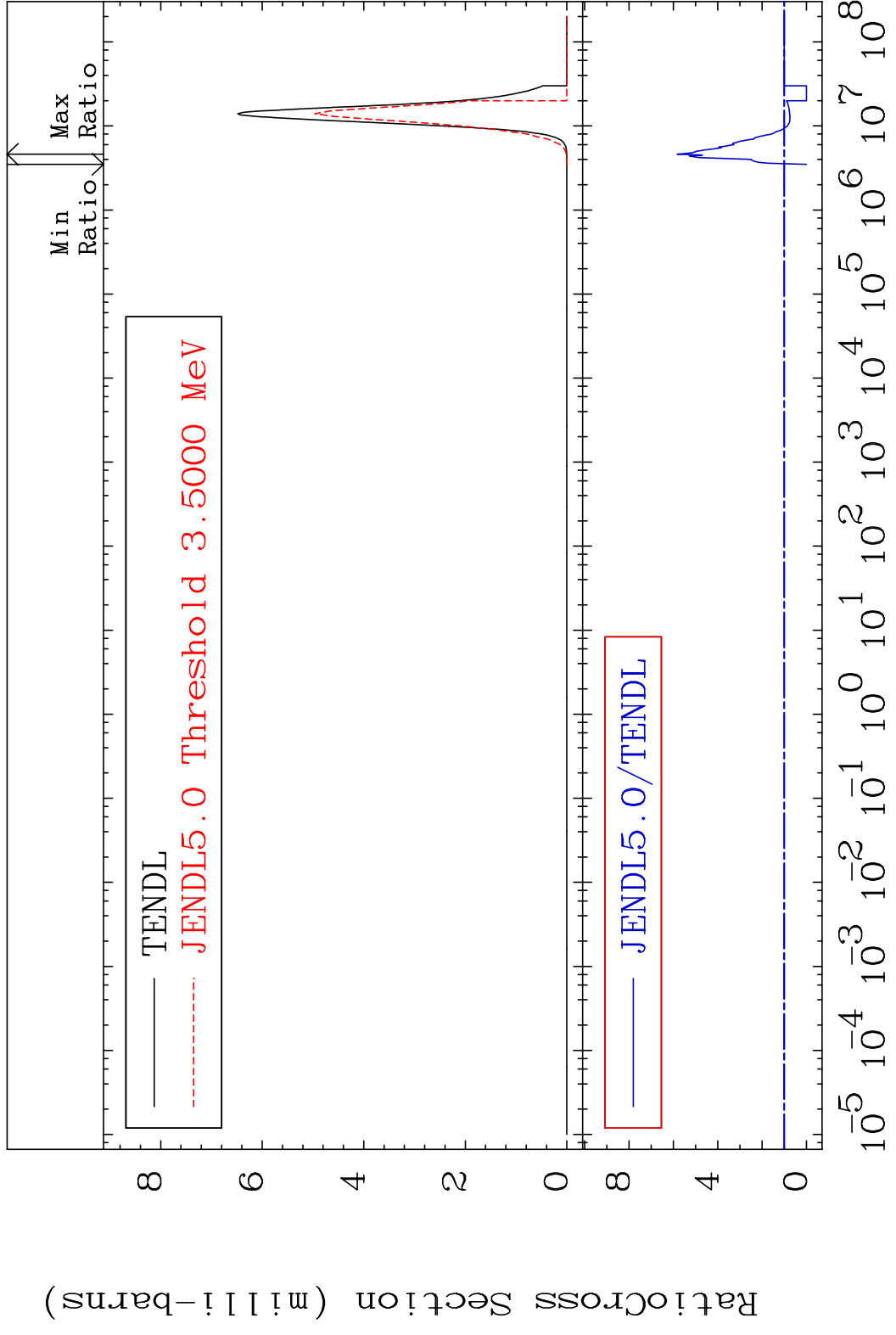




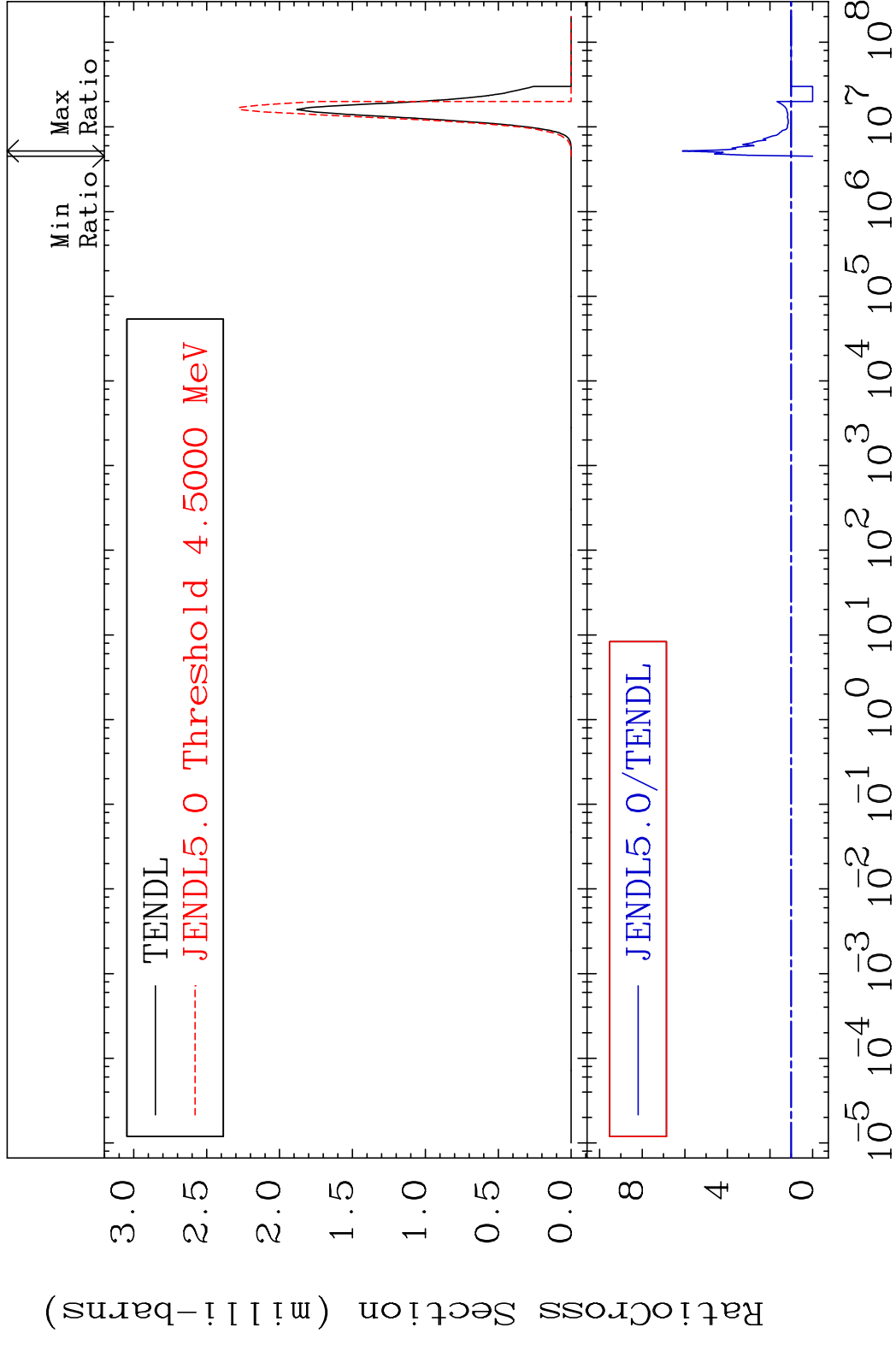
MAT 3131 (n, t):30-Zn-69m1 31-Ga-71  
 Radionuclide Production Cross Section 185.4 %



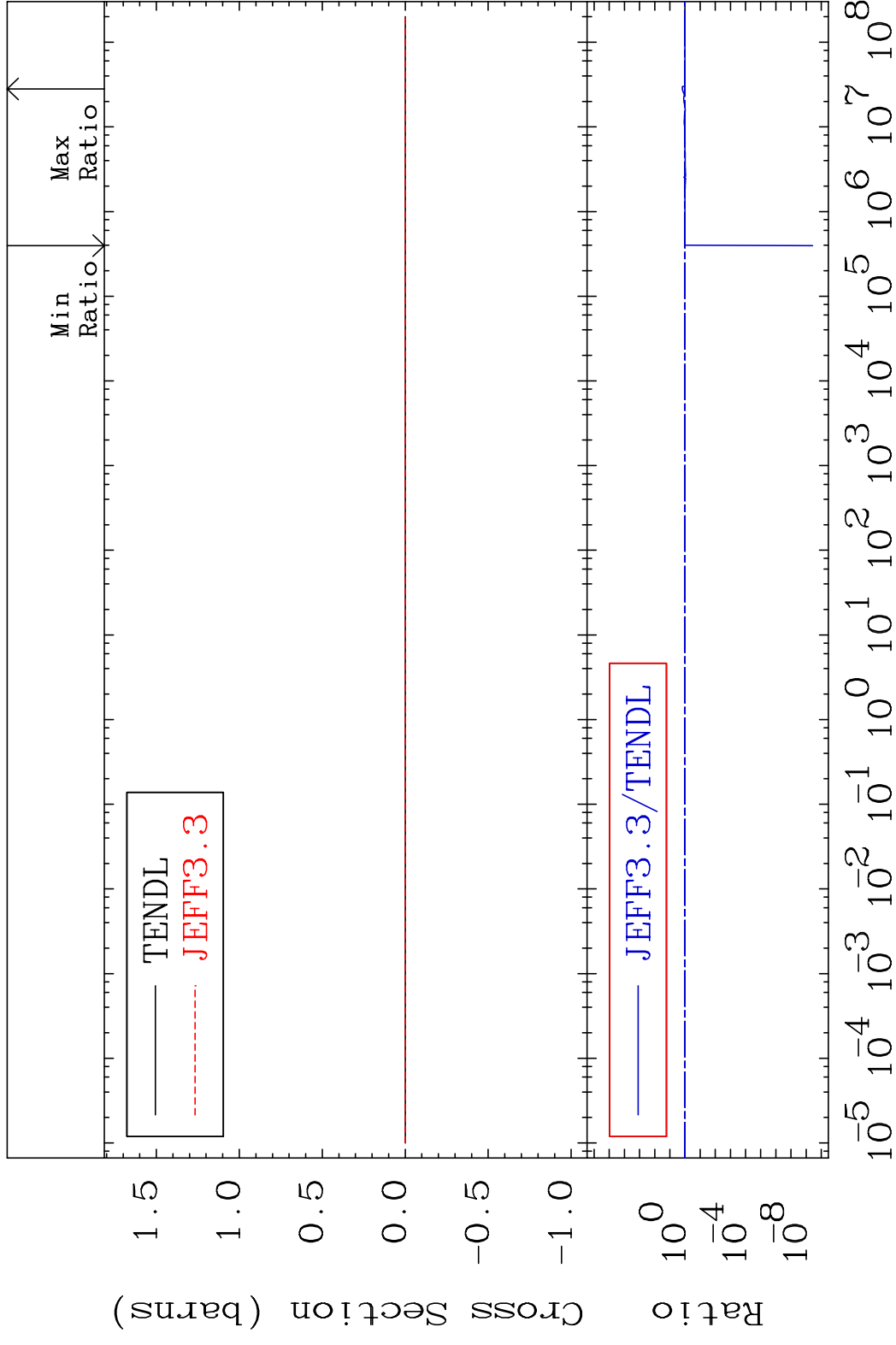
MAT 3131 (n,  $\alpha$ ): 29-Cu-68g 31-Ga-71  
 Radionuclide Production Cross Section Ratio 483.0 %



MAT 3131 (n,  $\alpha$ ):29-Cu-68m3 31-Ga-71  
 Radionuclide Production Cross Section 180.0 dth 511.5 %



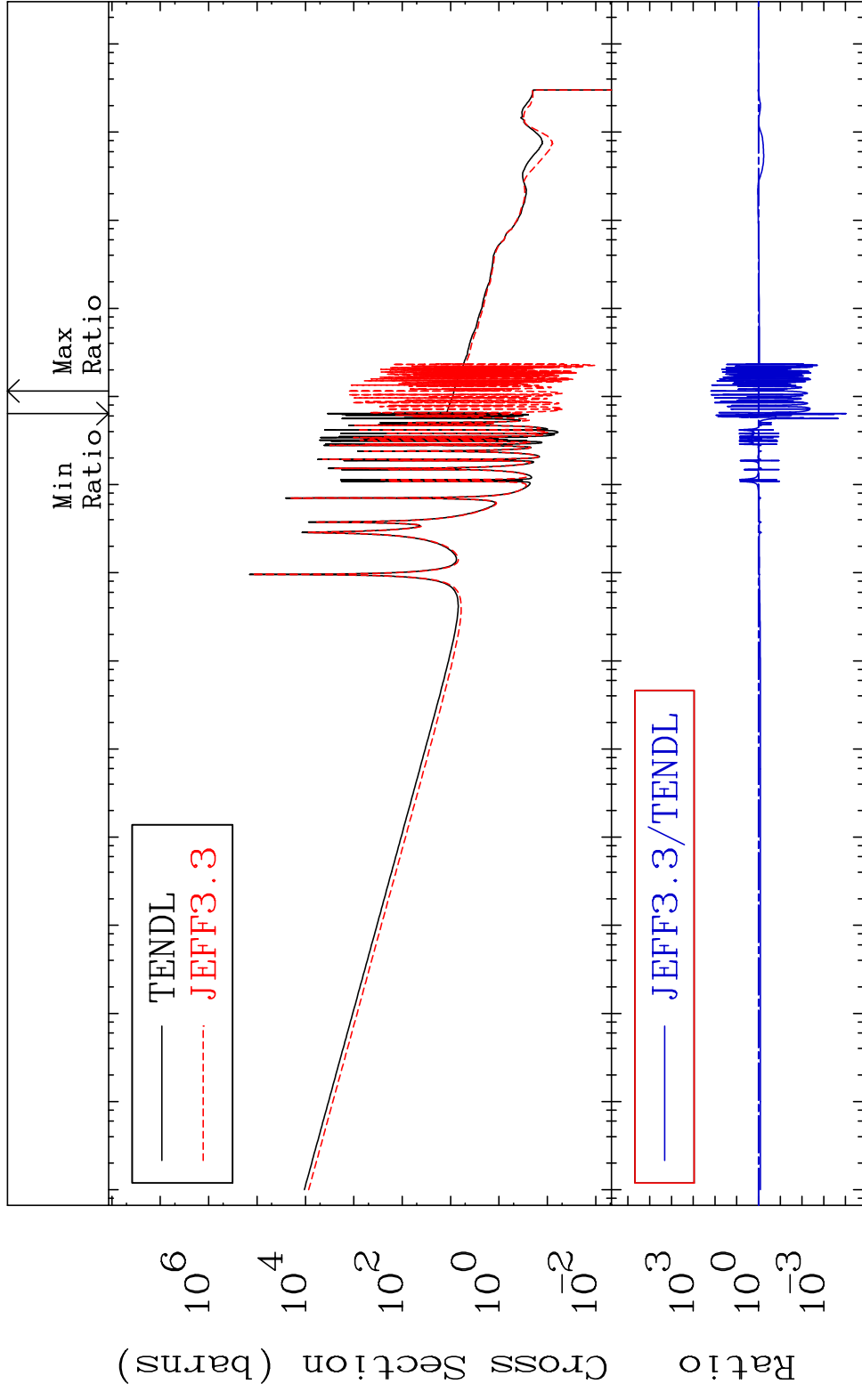
MAT 3131 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-71  
 Cross Section -100.0 To 49.12 %



MAT 3131

Kerma capture (mt102) 31-Ga-71

Cross Section -99.99 To 9999. %



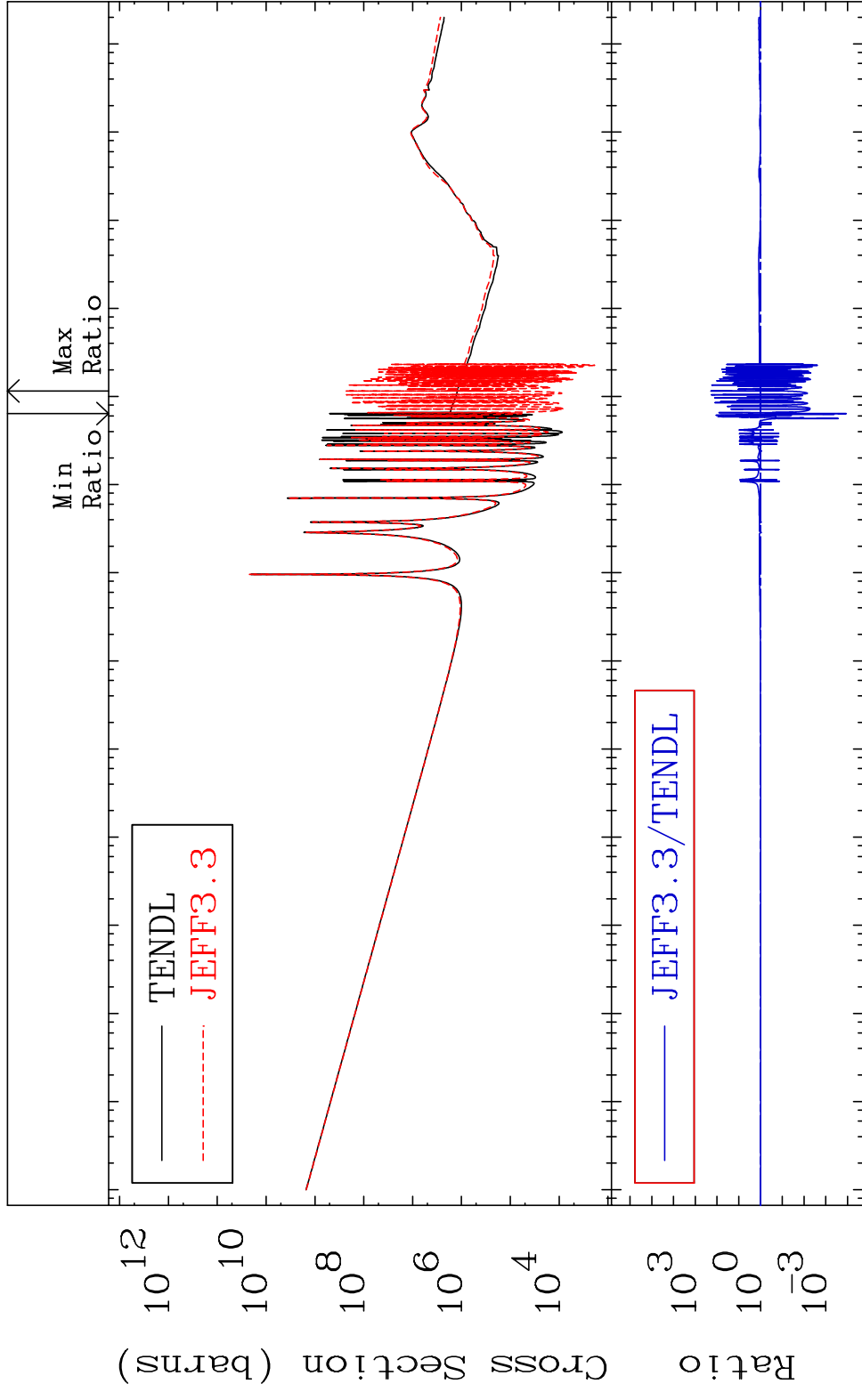
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

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Incident Energy (eV)

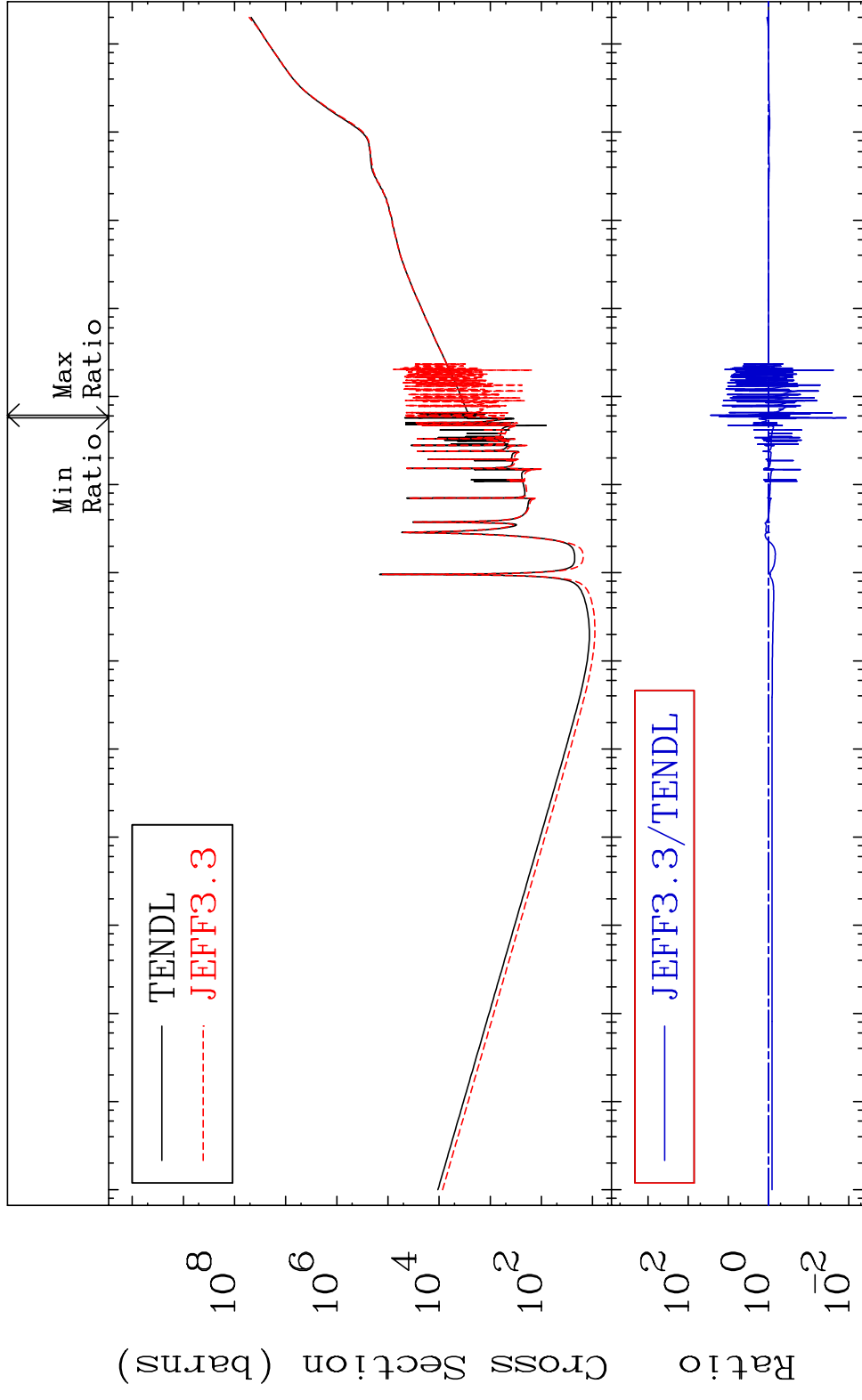
31-Ga-71

MAT 3131 Total photon (eV-barns) 31-Ga-71  
 Cross Section -99.99 To 9999. %

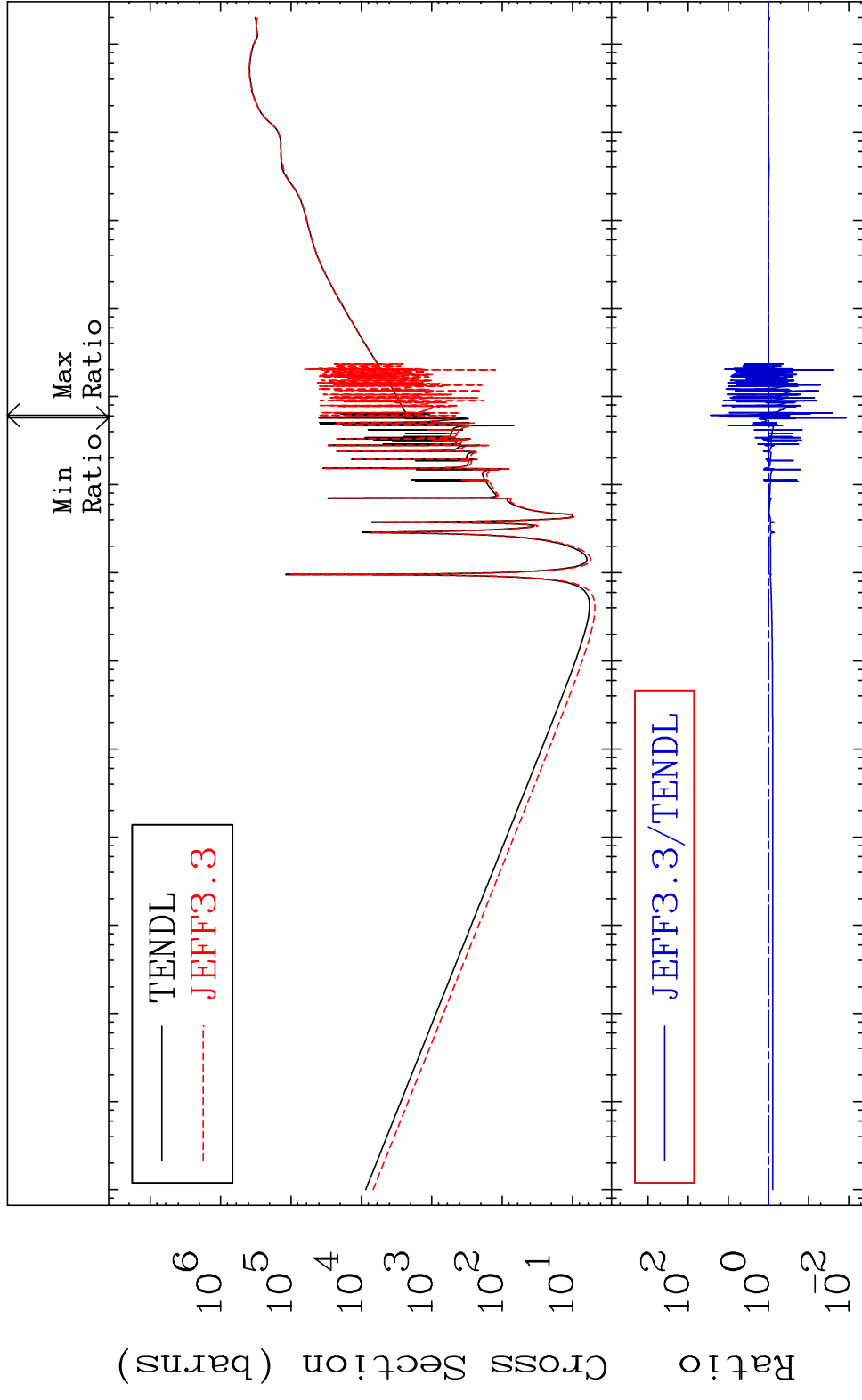


60 Incident Energy (eV) 31-Ga-71

MAT 3131 Total kinematic kerma (high limit) 31-Ga-71  
 Cross Section -98.85 To 2654. %



MAT 3131      Dpa total (eV-barns)      31-Ga-71  
 Cross Section      -98.85 To 2654. %

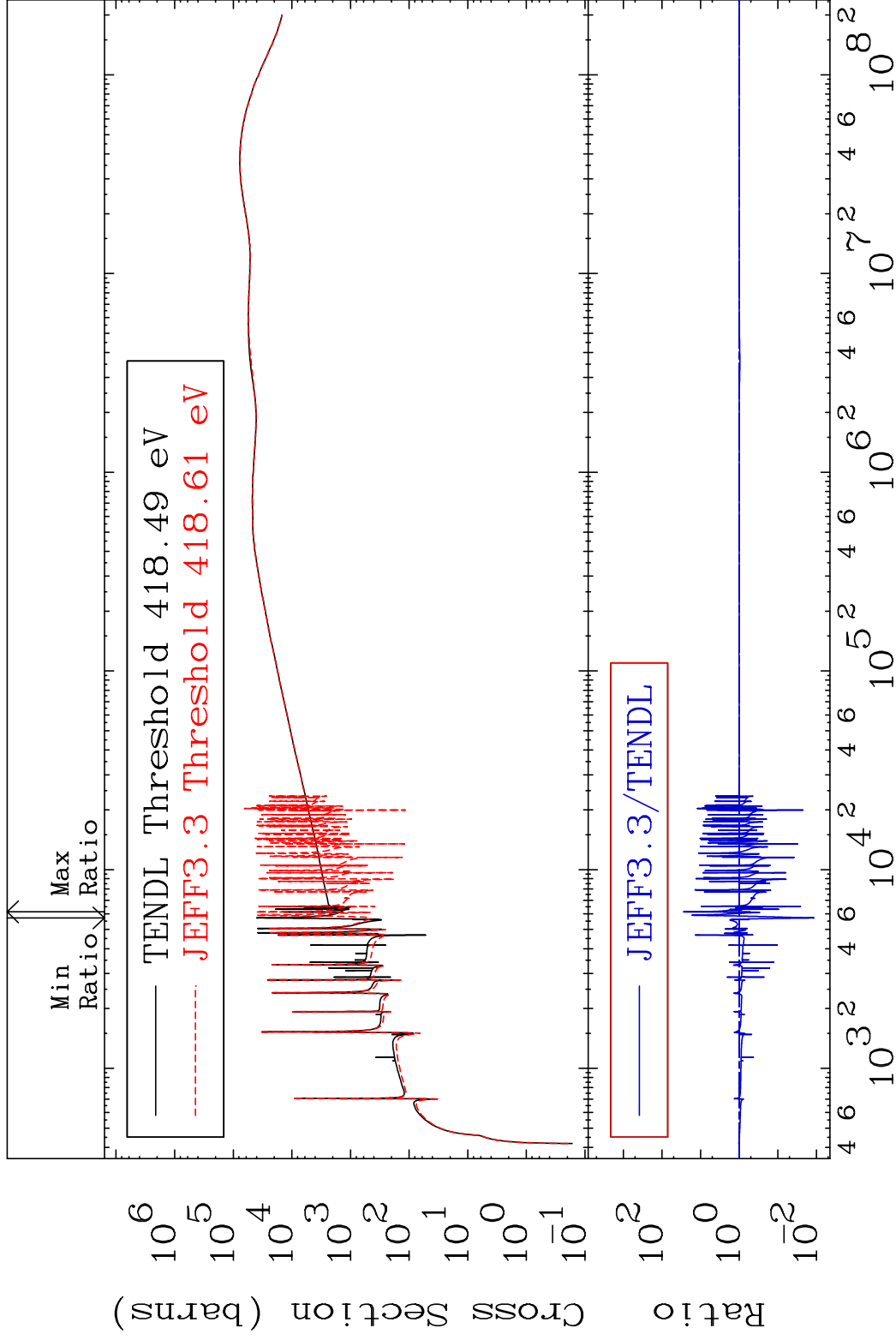


MAT 3131

Dpa elastic (mt2)

31-Ga-71

Cross Section -98.85 To 2649. %

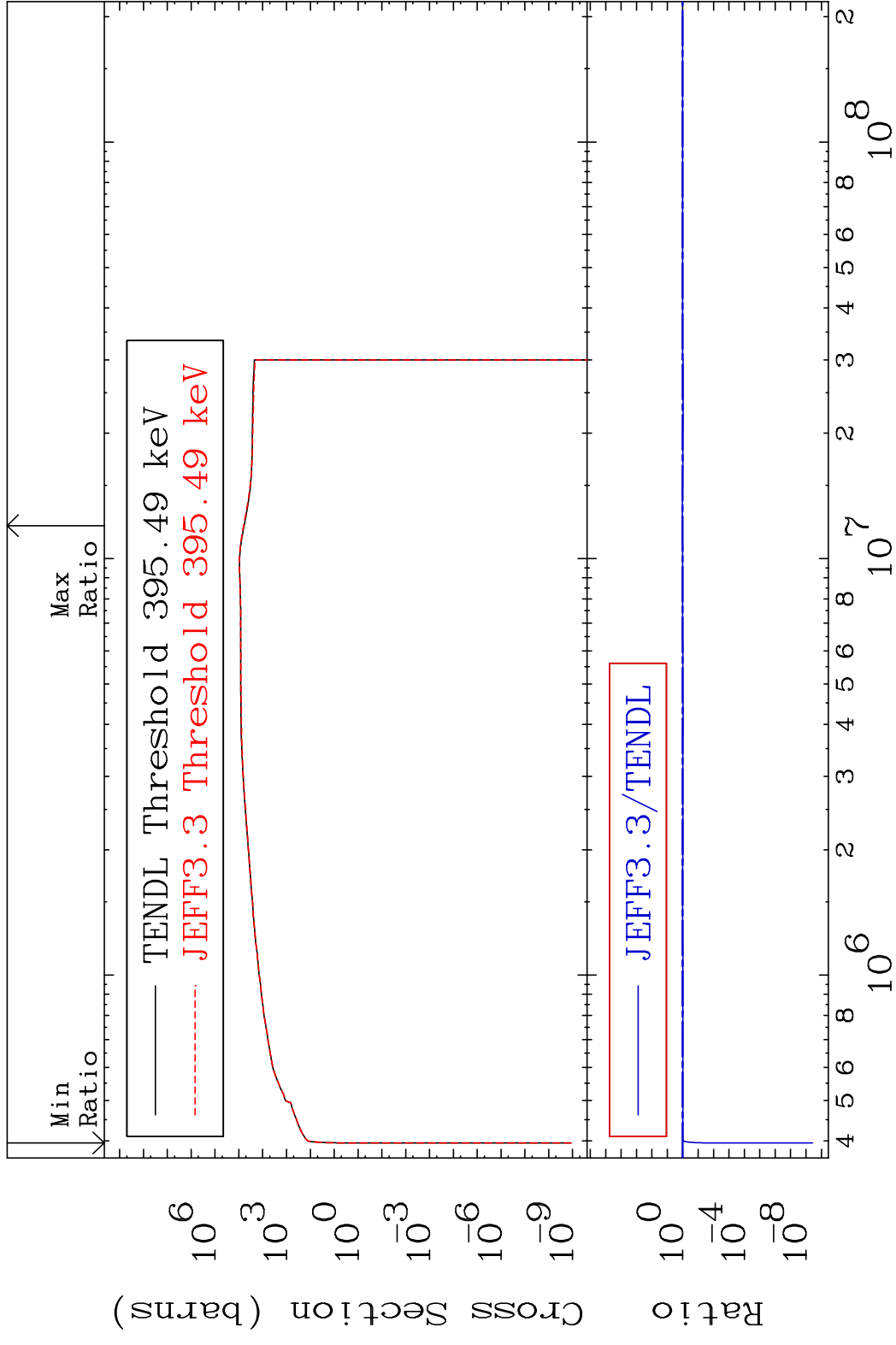


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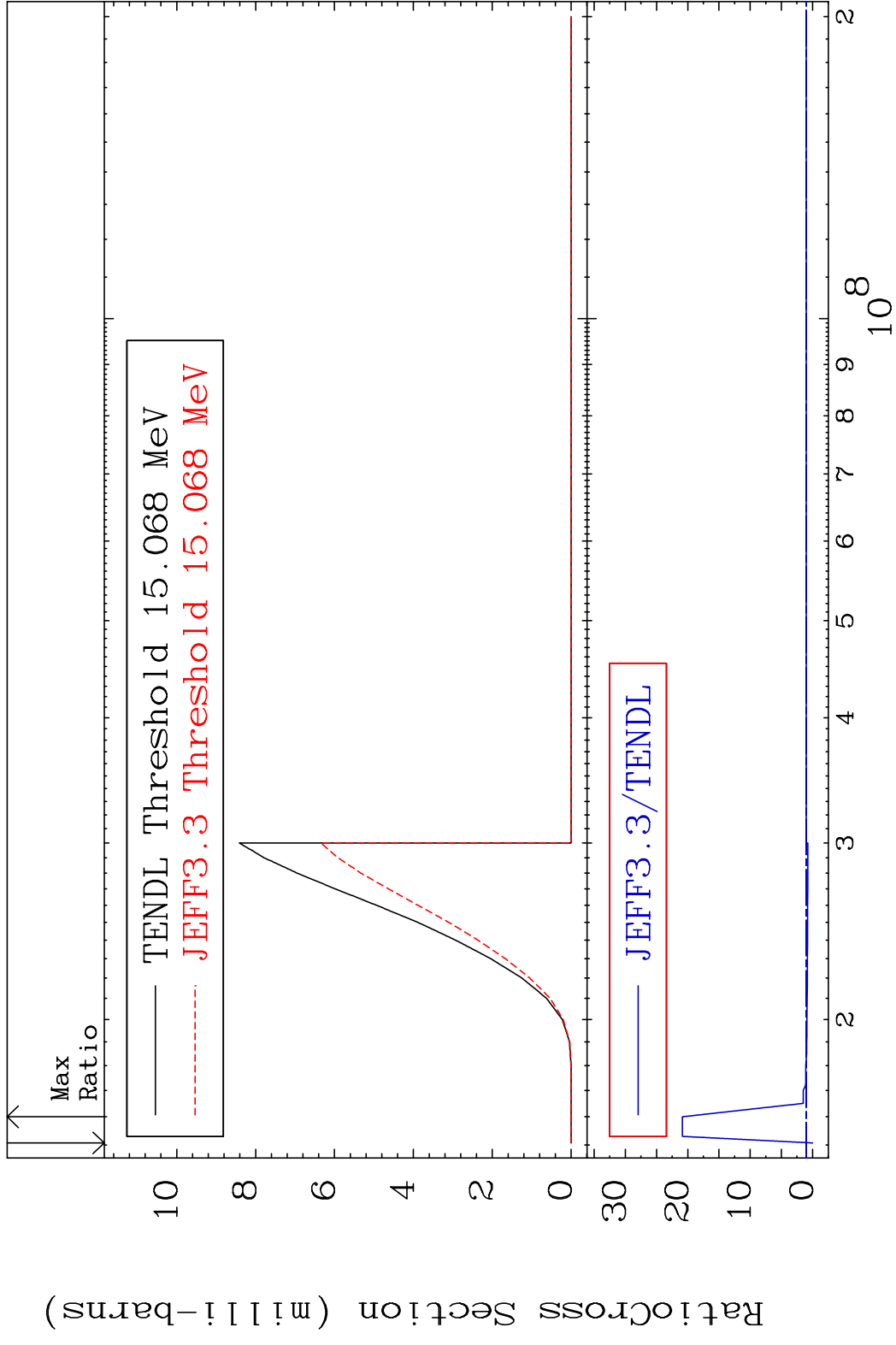
Incident Energy (eV)

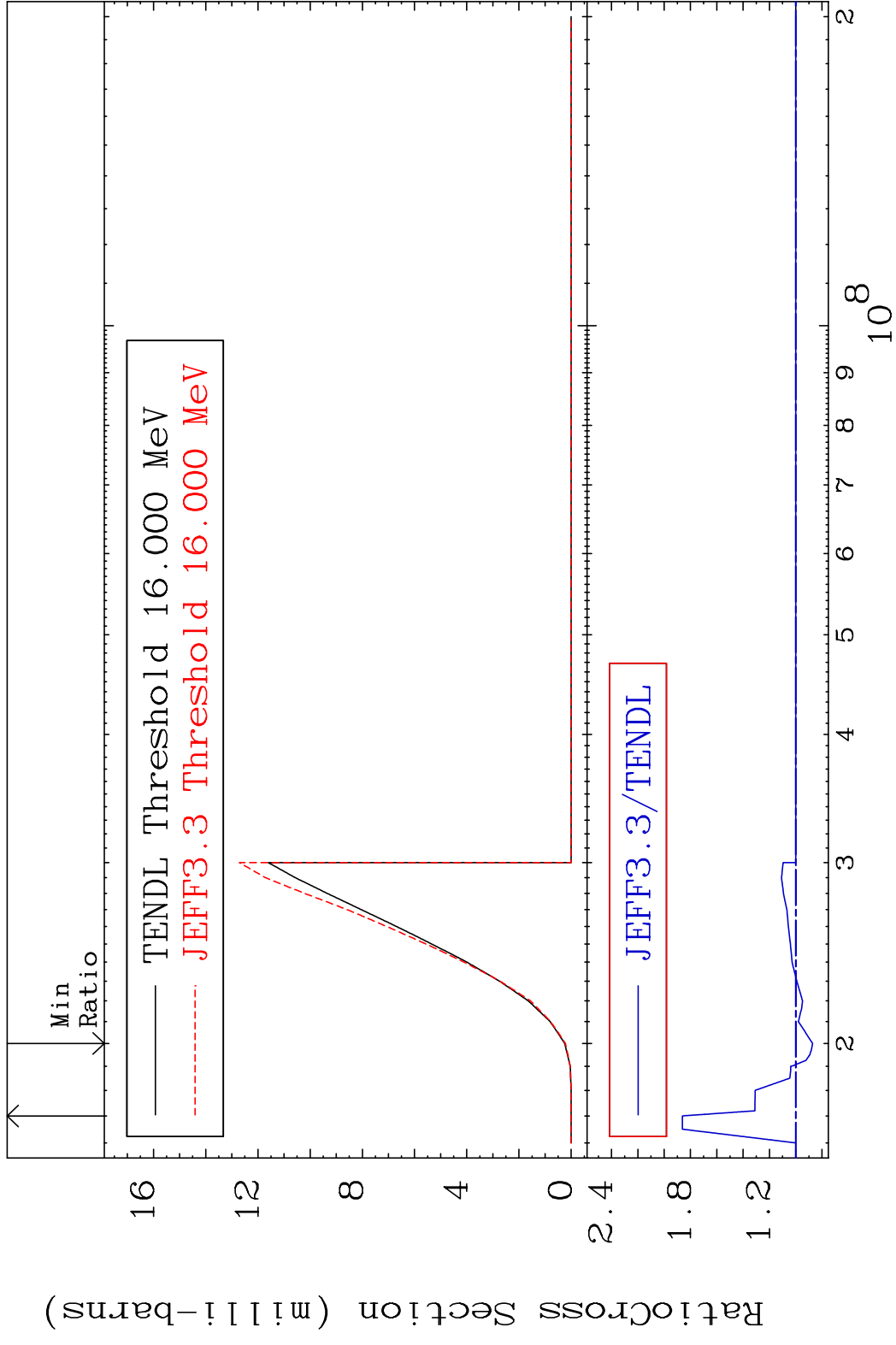
31-Ga-71

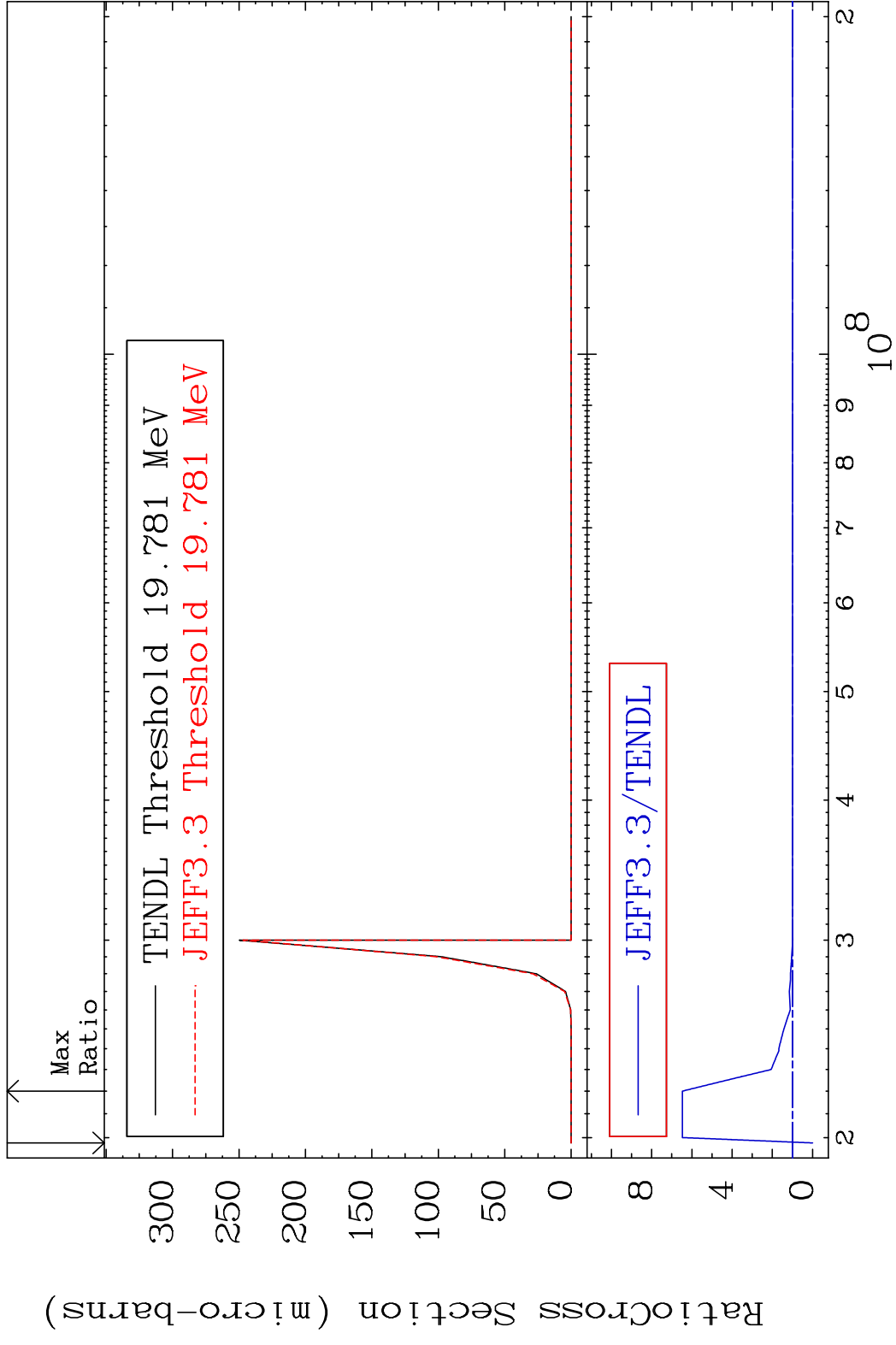
MAT 3131      Dpa inelastic (mt51-91)      31-Ga-71  
 Cross Section      -100.0 To 5.673 %

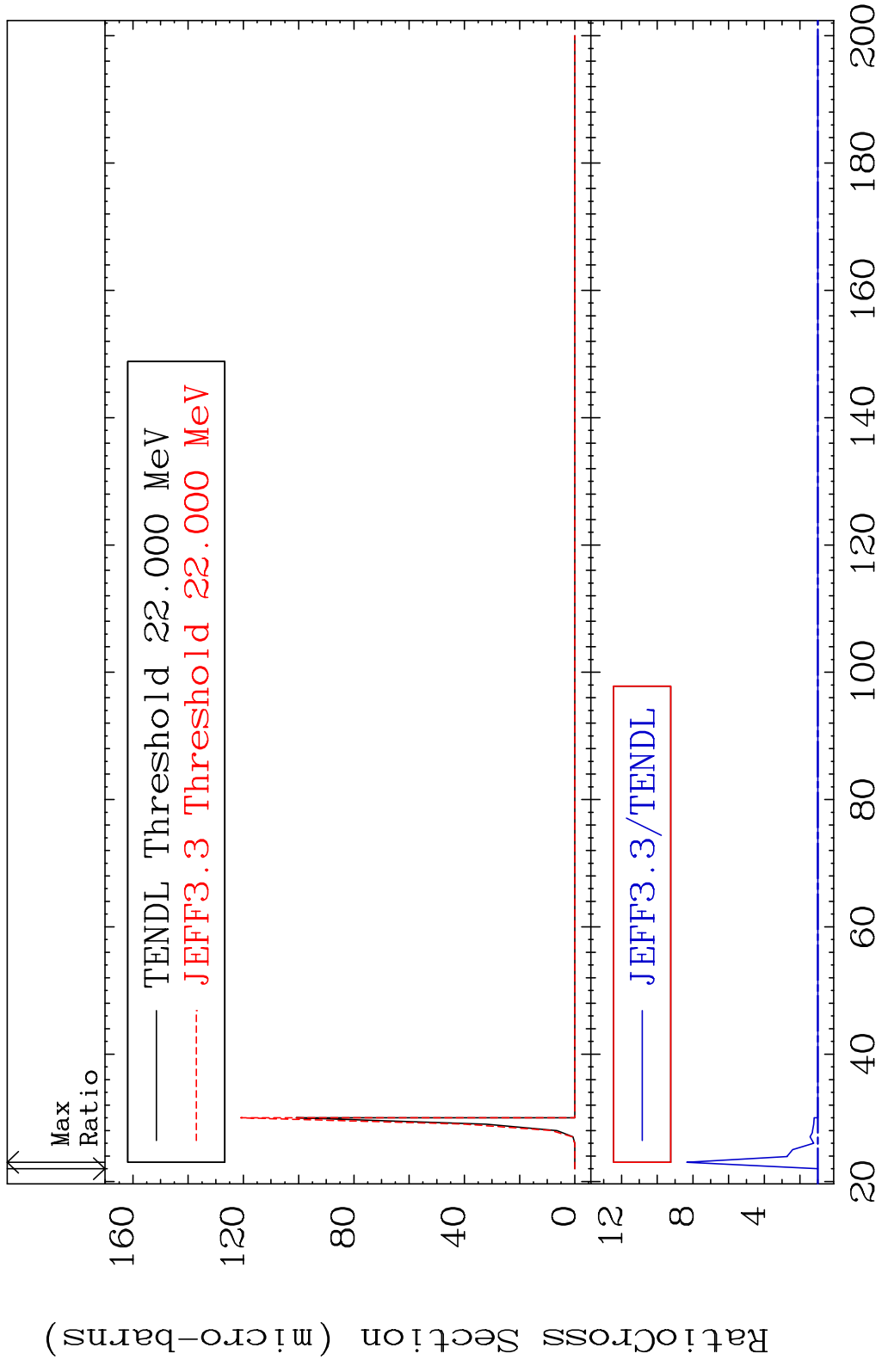




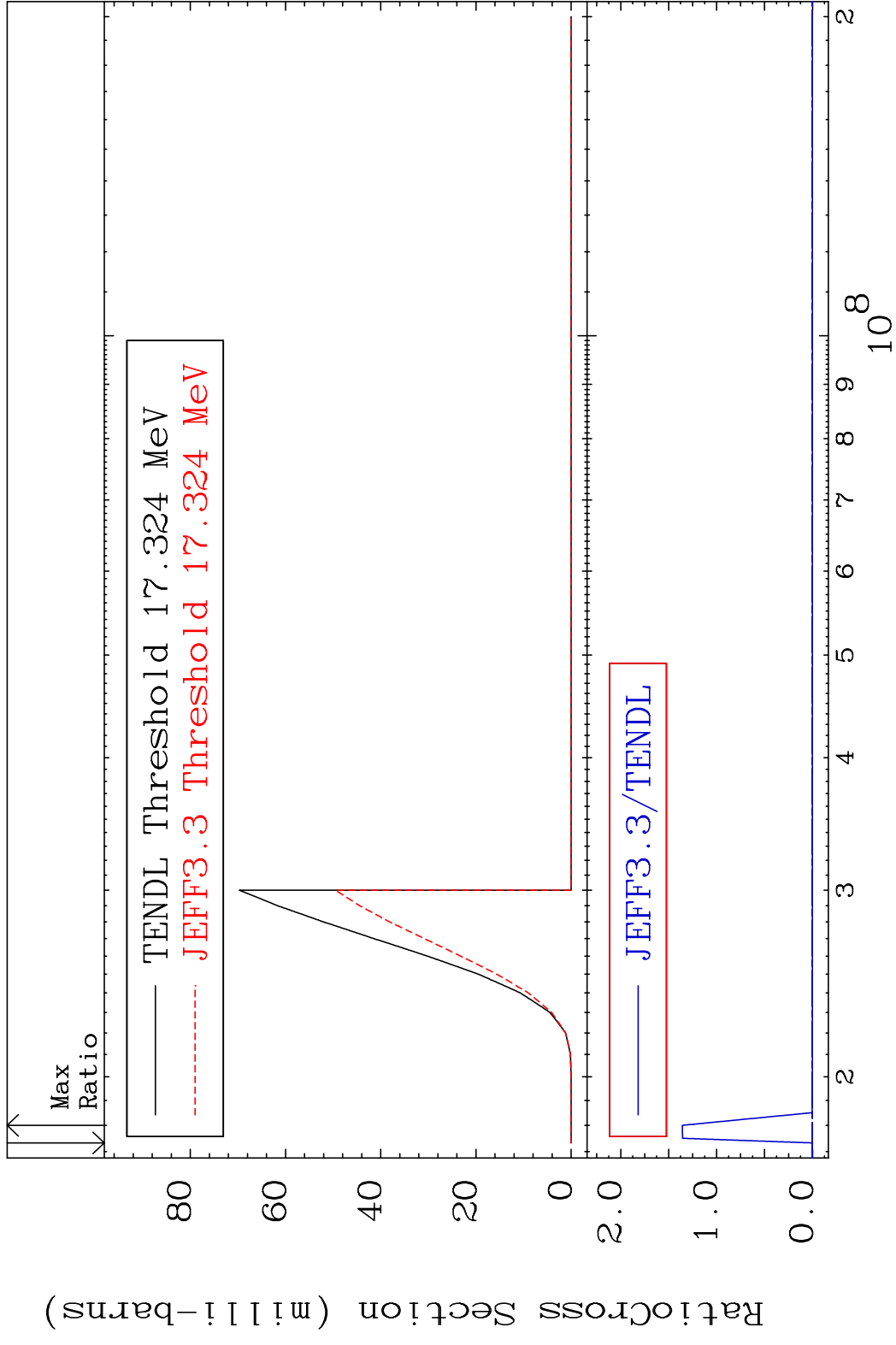


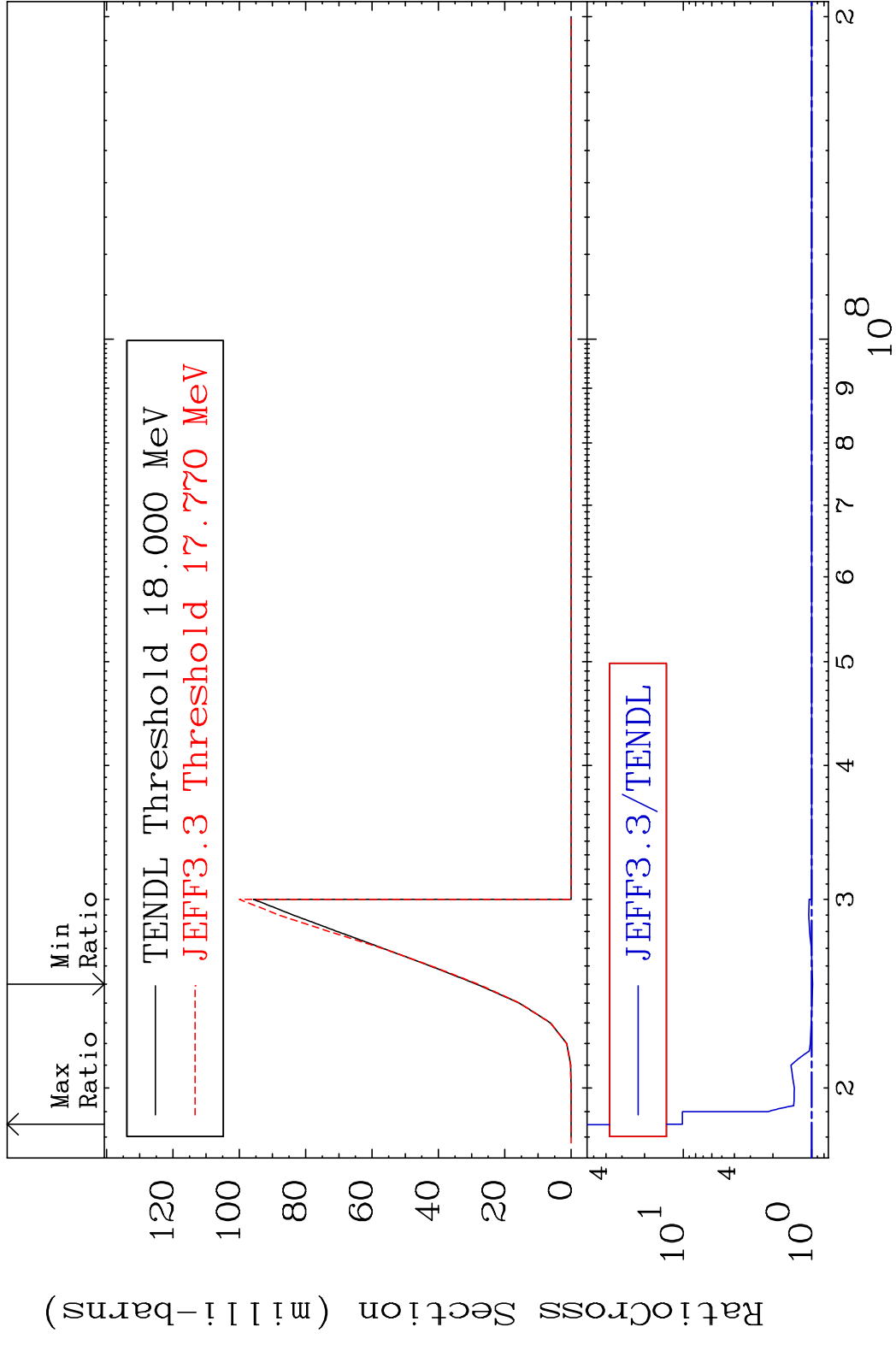




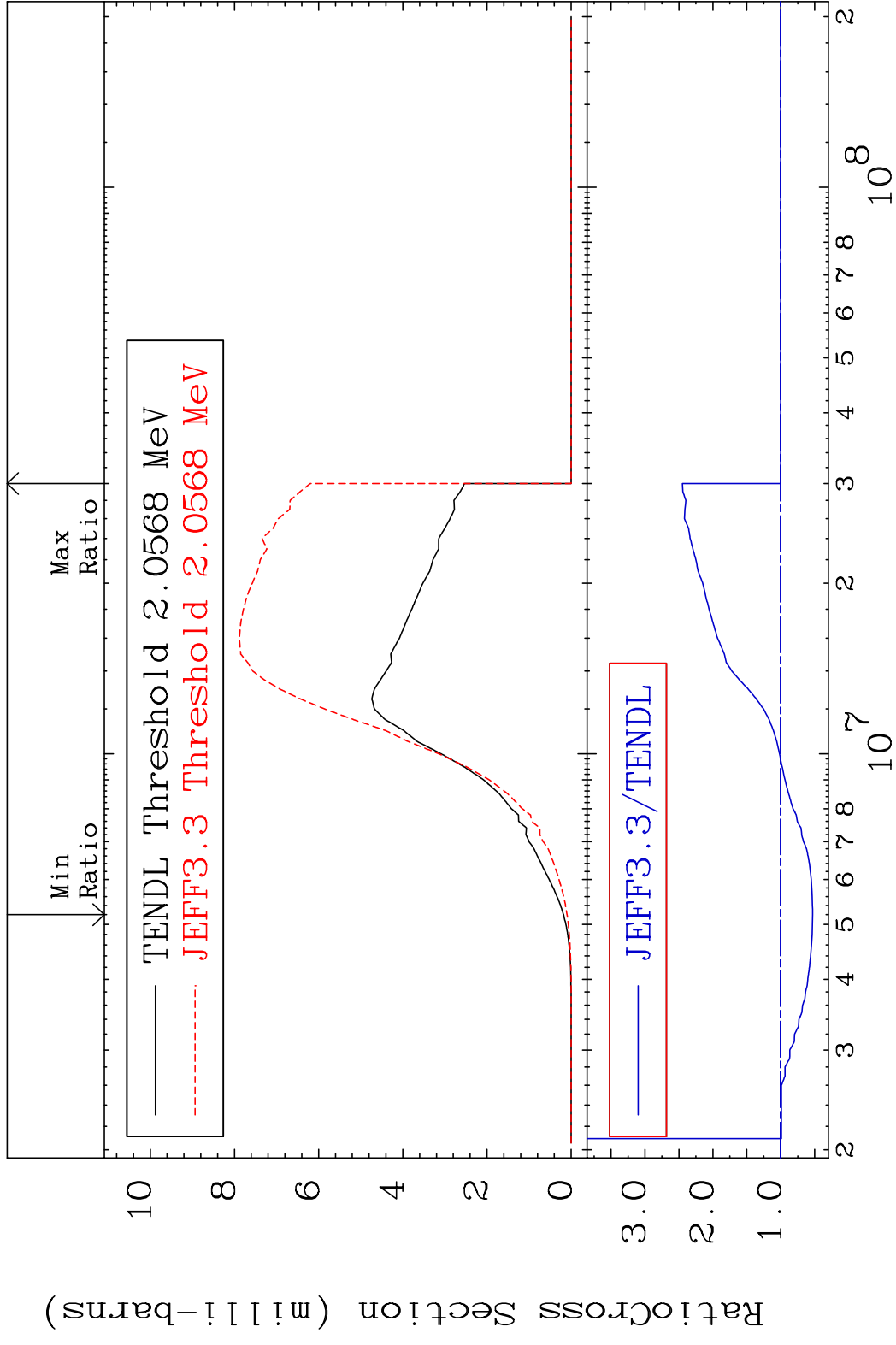


MAT 3131 (n,2n) p:30-Zn-69g 31-Ga-71  
 Radionuclide Production Cross Section 1800 d to 9999. %

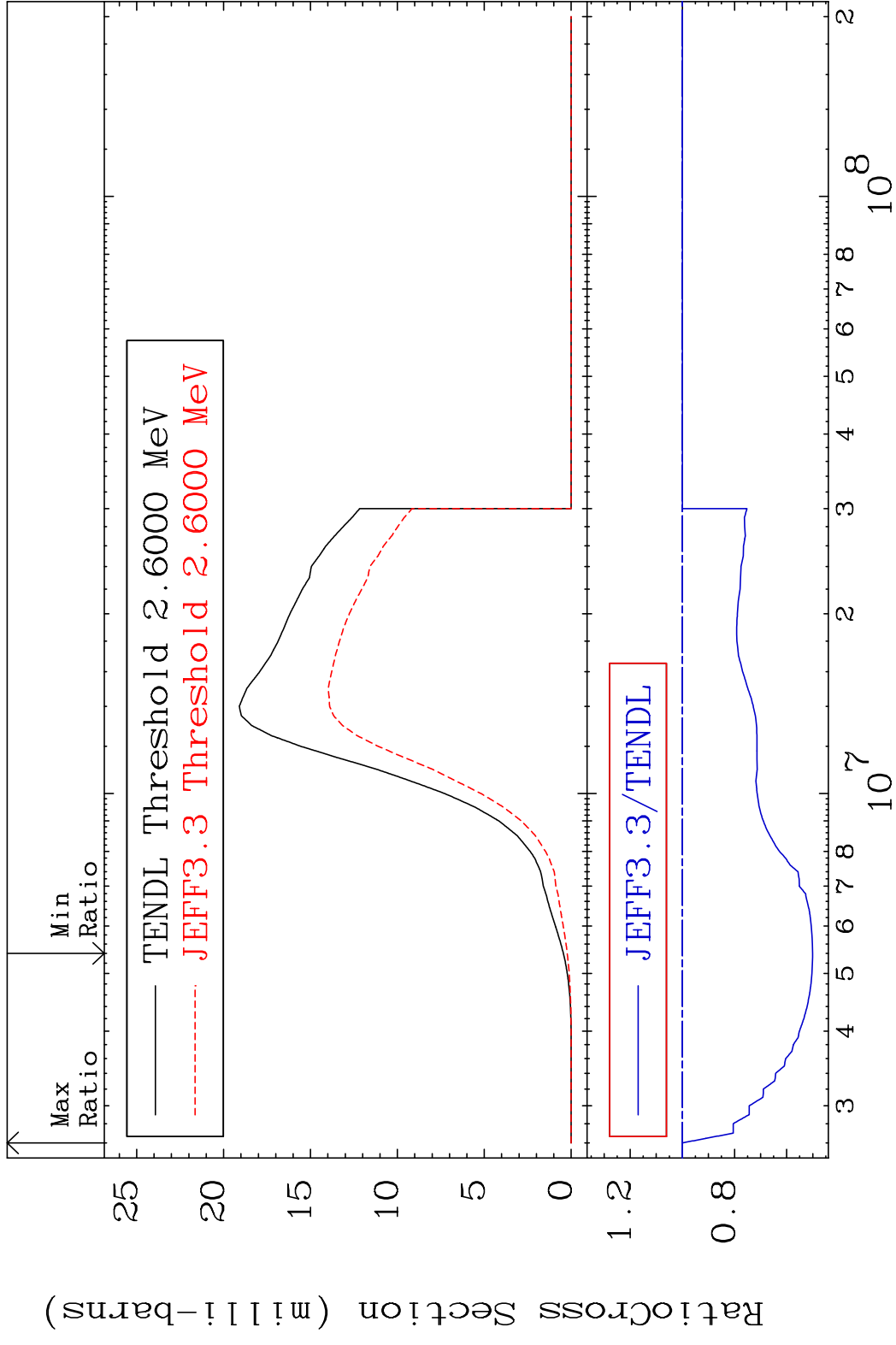




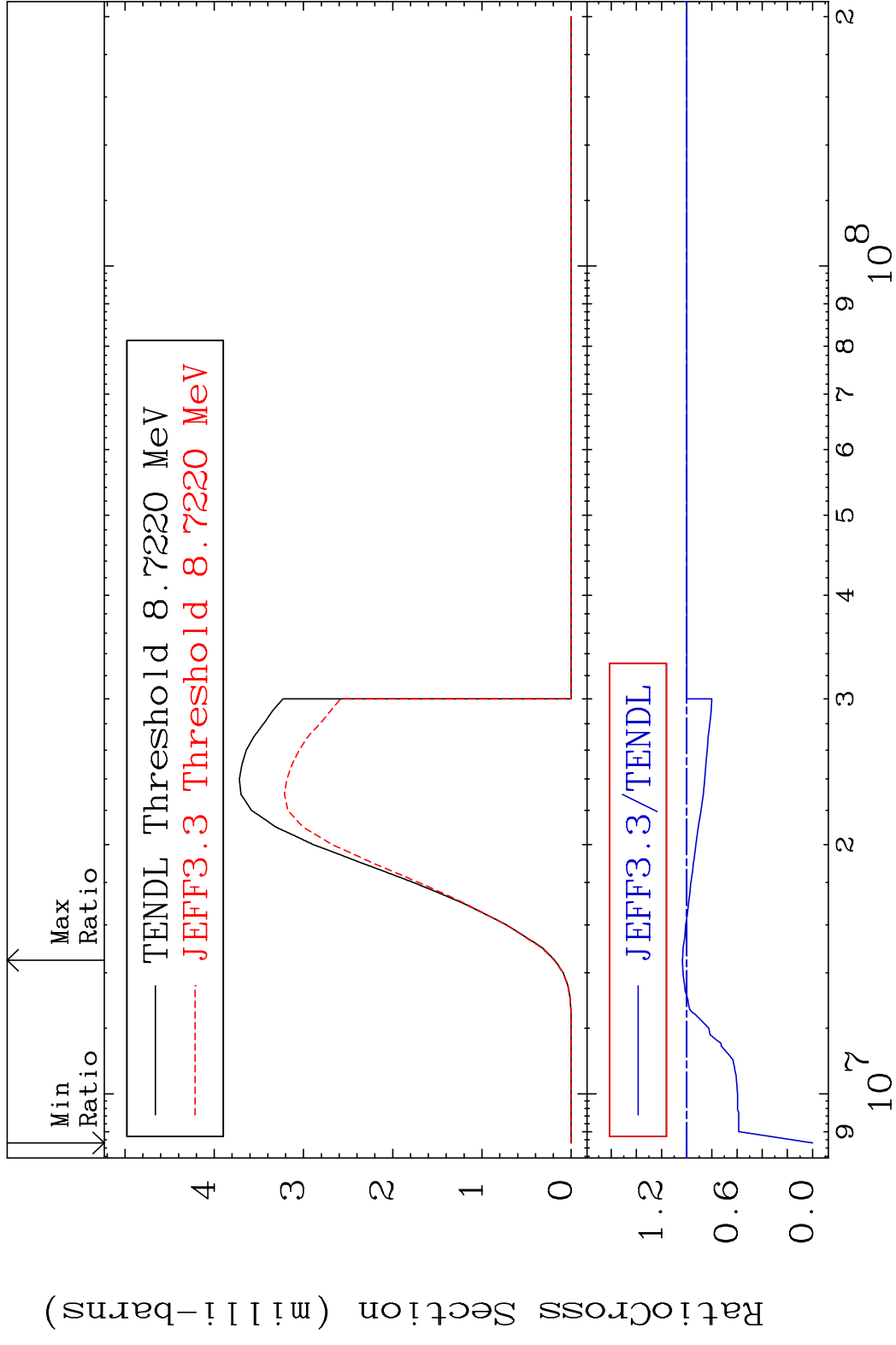
MAT 3131 (n, p):30-Zn-71g 31-Ga-71  
 Radionuclide Production Cross Section 144.9 %



MAT 3131 (n,p):30-Zn-71m1 31-Ga-71  
 Radionuclide Production Cross Section 0.000 %

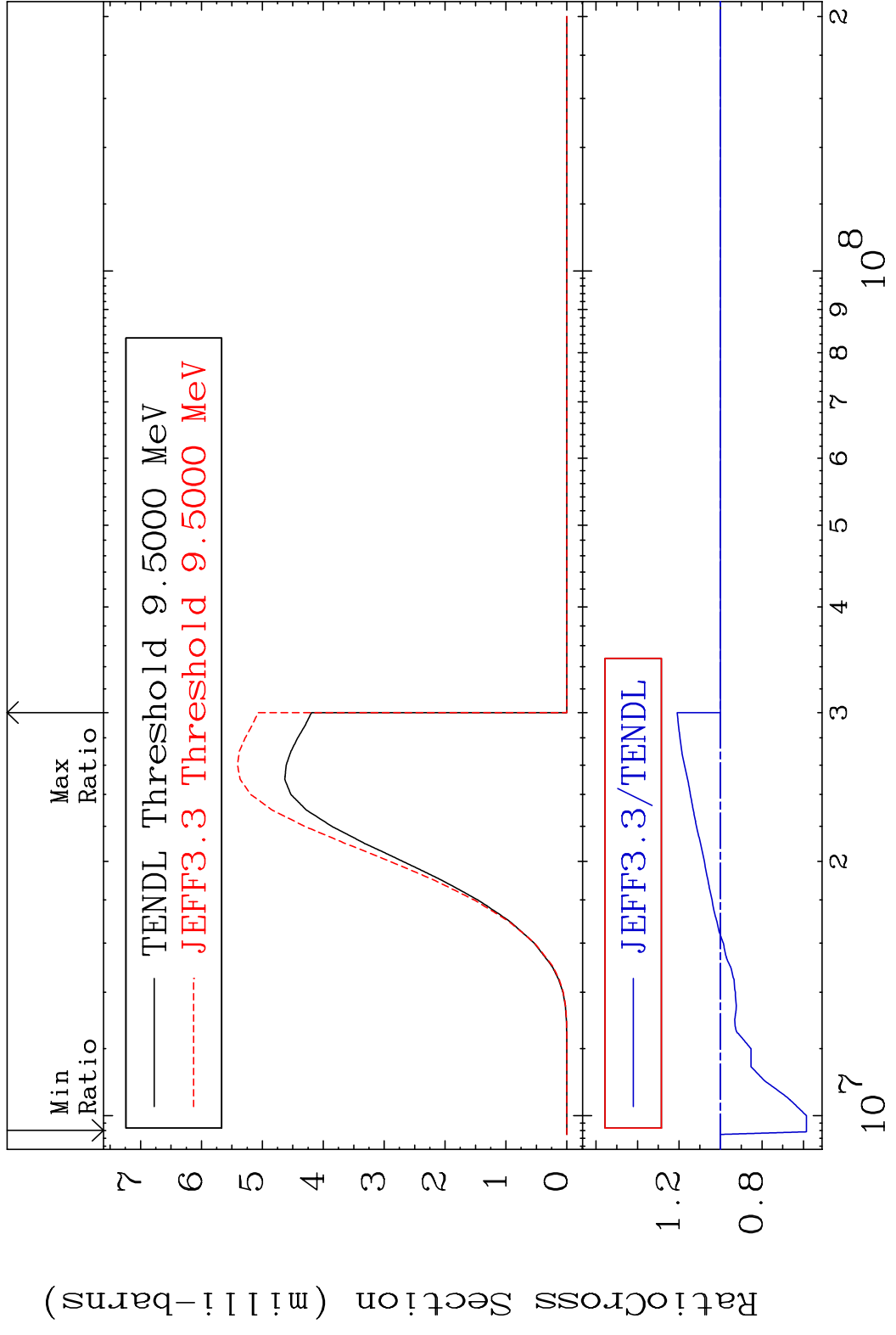


MAT 3131 (n, t):30-Zn-69g 31-Ga-71  
 Radionuclide Production Cross Section Ratio 3.456 %

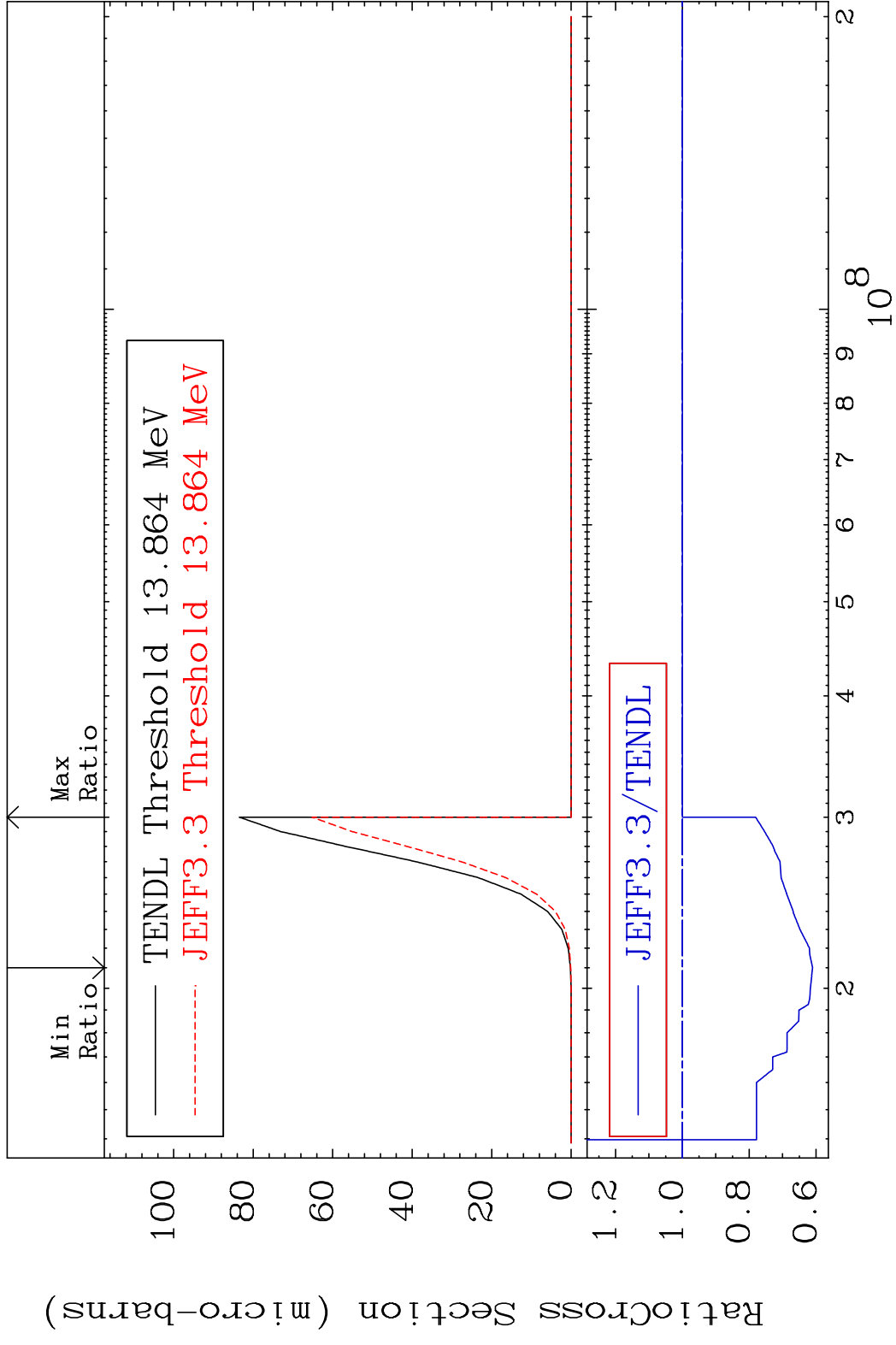


74 Incident Energy (eV) 31-Ga-71

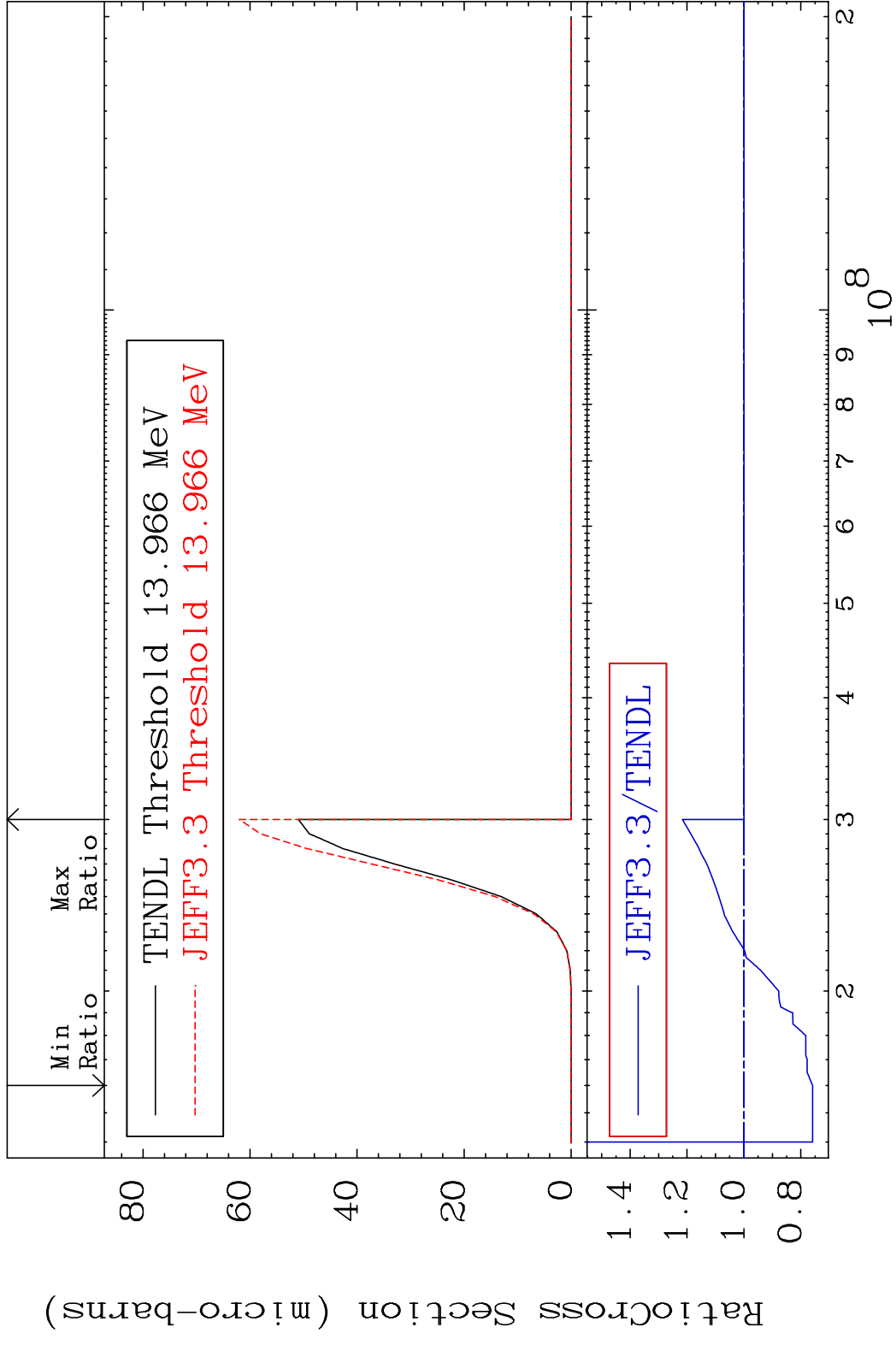
MAT 3131 (n, t):30-Zn-69m1 31-Ga-71  
 Radionuclide Production Cross Section 20.87 %



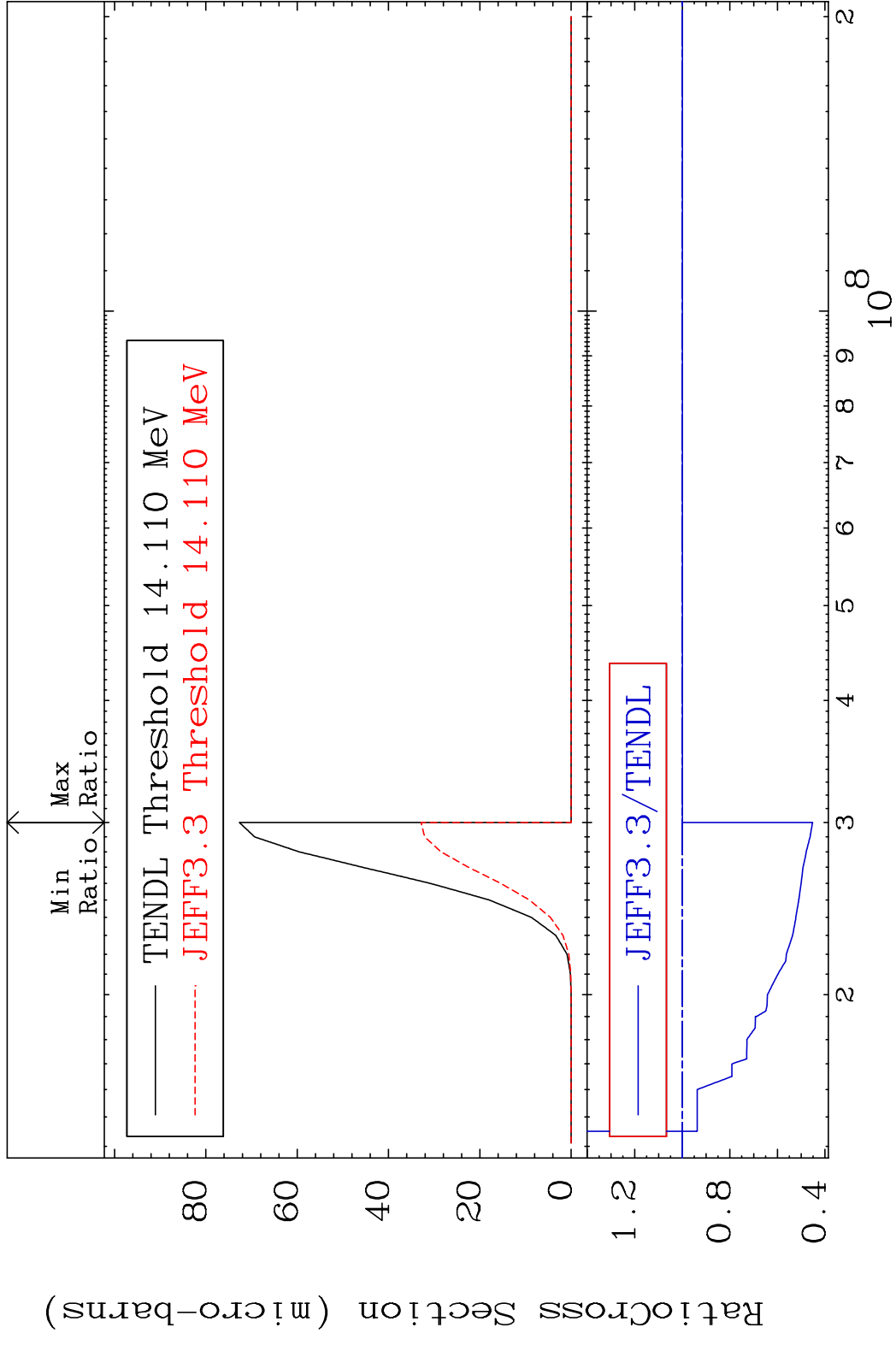
75 Incident Energy (eV) 31-Ga-71



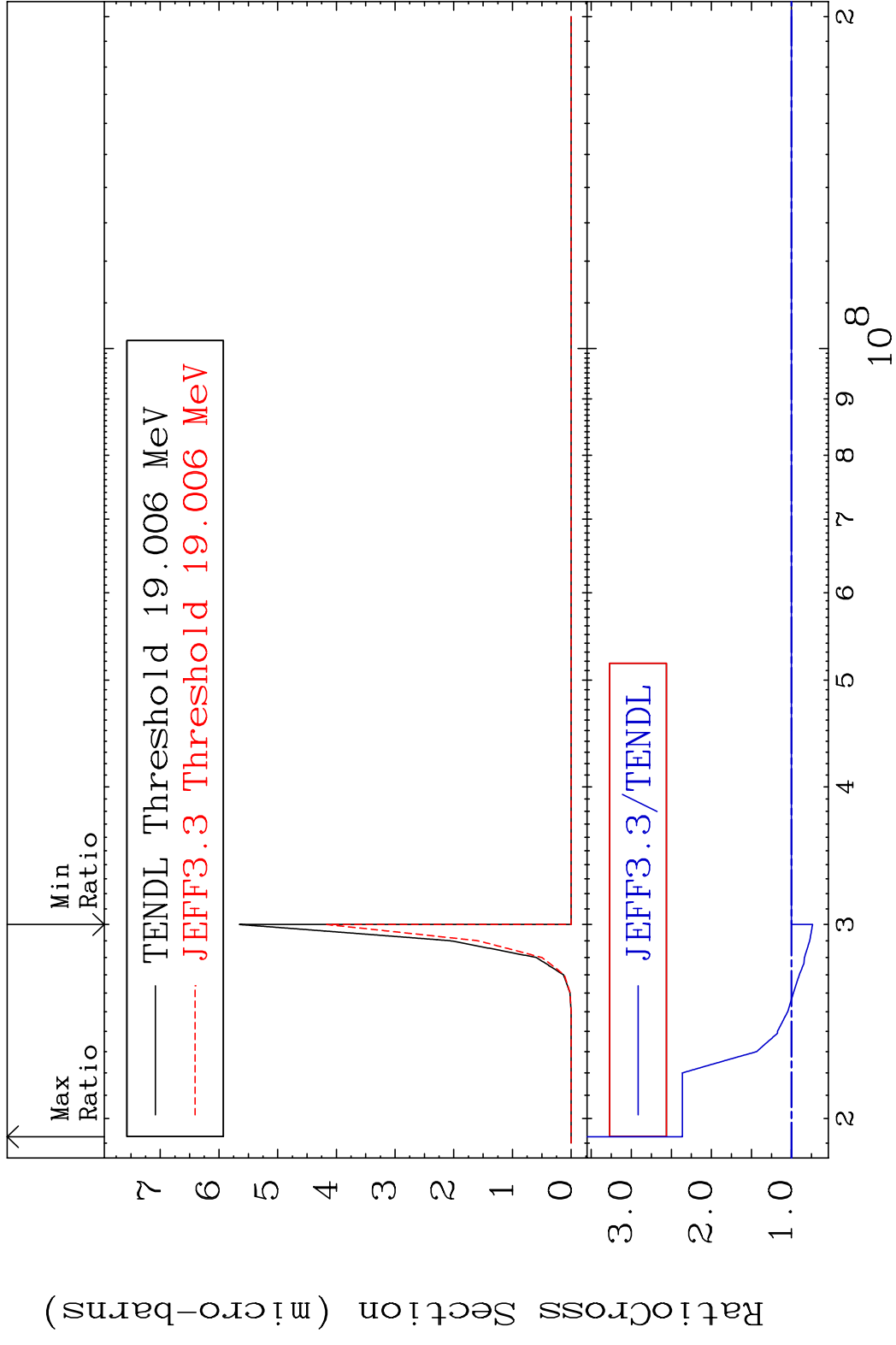
MAT 3131 (n,2p):29-Cu-70m1 31-Ga-71  
 Radionuclide Production Cross Section 21.65 %



MAT 3131 (n,2p):29-Cu-70m3 31-Ga-71  
 Radionuclide Production Cross Section 5.0e-01 0.000 %



MAT 3131 (n, p) t:29-Cu-68g 31-Ga-71  
 Radionuclide Production Cross Section 136.3 %



MAT 3131 (n,p) t:29-Cu-68m3 31-Ga-71  
 Radionuclide Production Cross Section 180c/dto 460.2 %

