

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

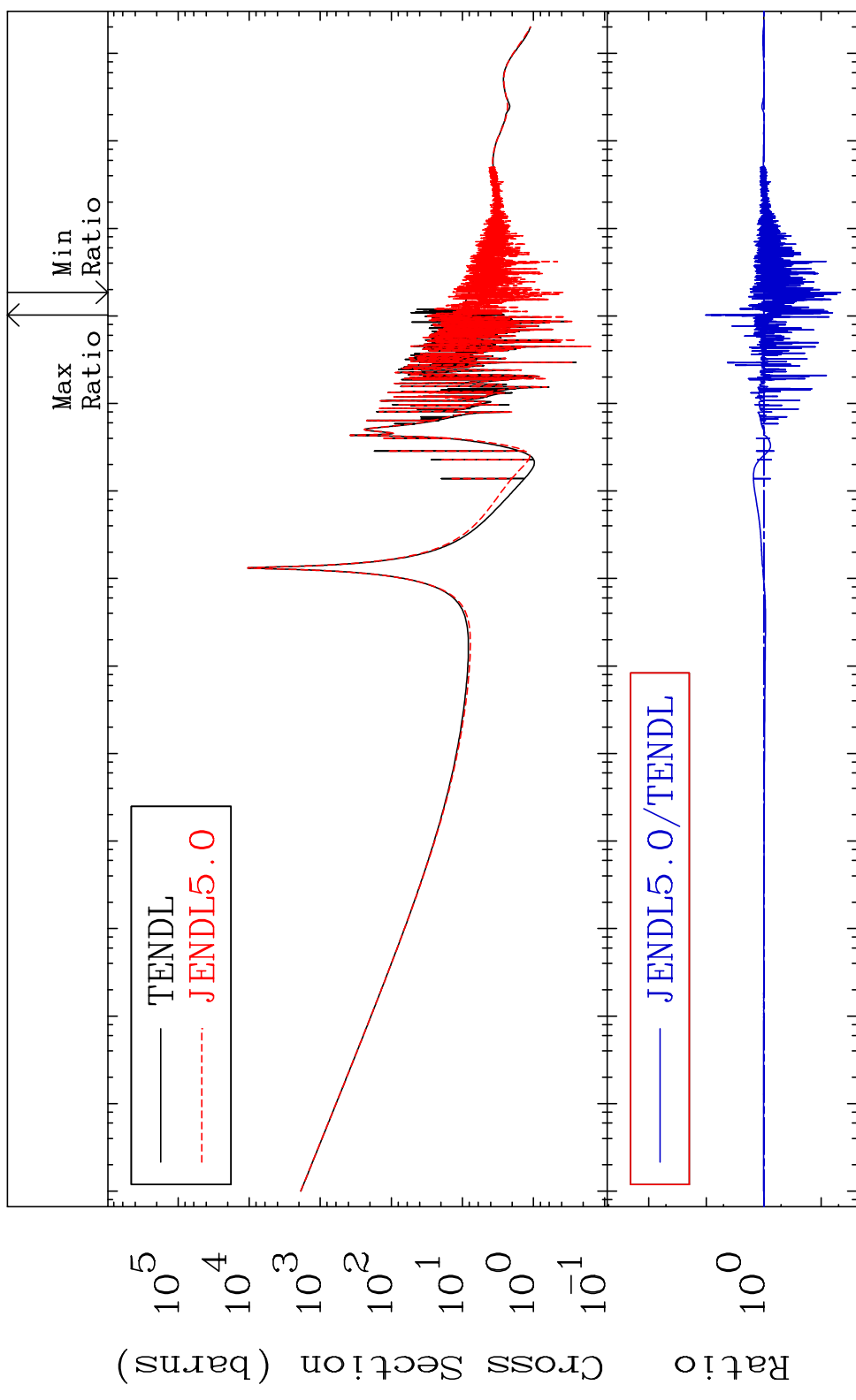
MAT 2725

Total

27-Co-59

Cross Section

-95.37 To 918.2 %



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>8</sup> 10<sup>7</sup> 10<sup>6</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>

Incident Energy (eV)

27-Co-59

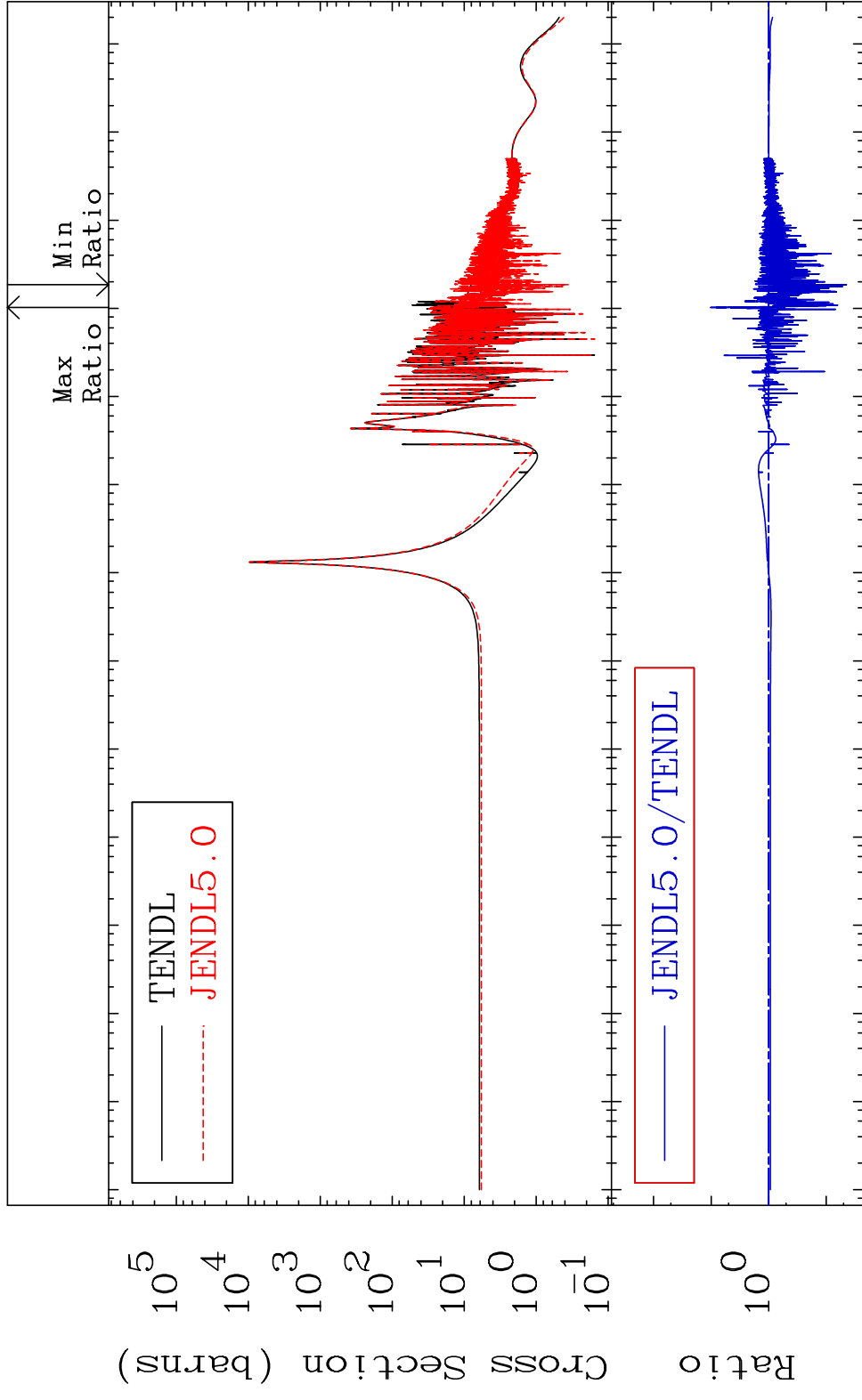
MAT 2725

Elastic

27-Co-59

Cross Section

-95.51 To 918.1 %



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>8</sup> 10<sup>7</sup> 10<sup>6</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>

2

Incident Energy (eV)

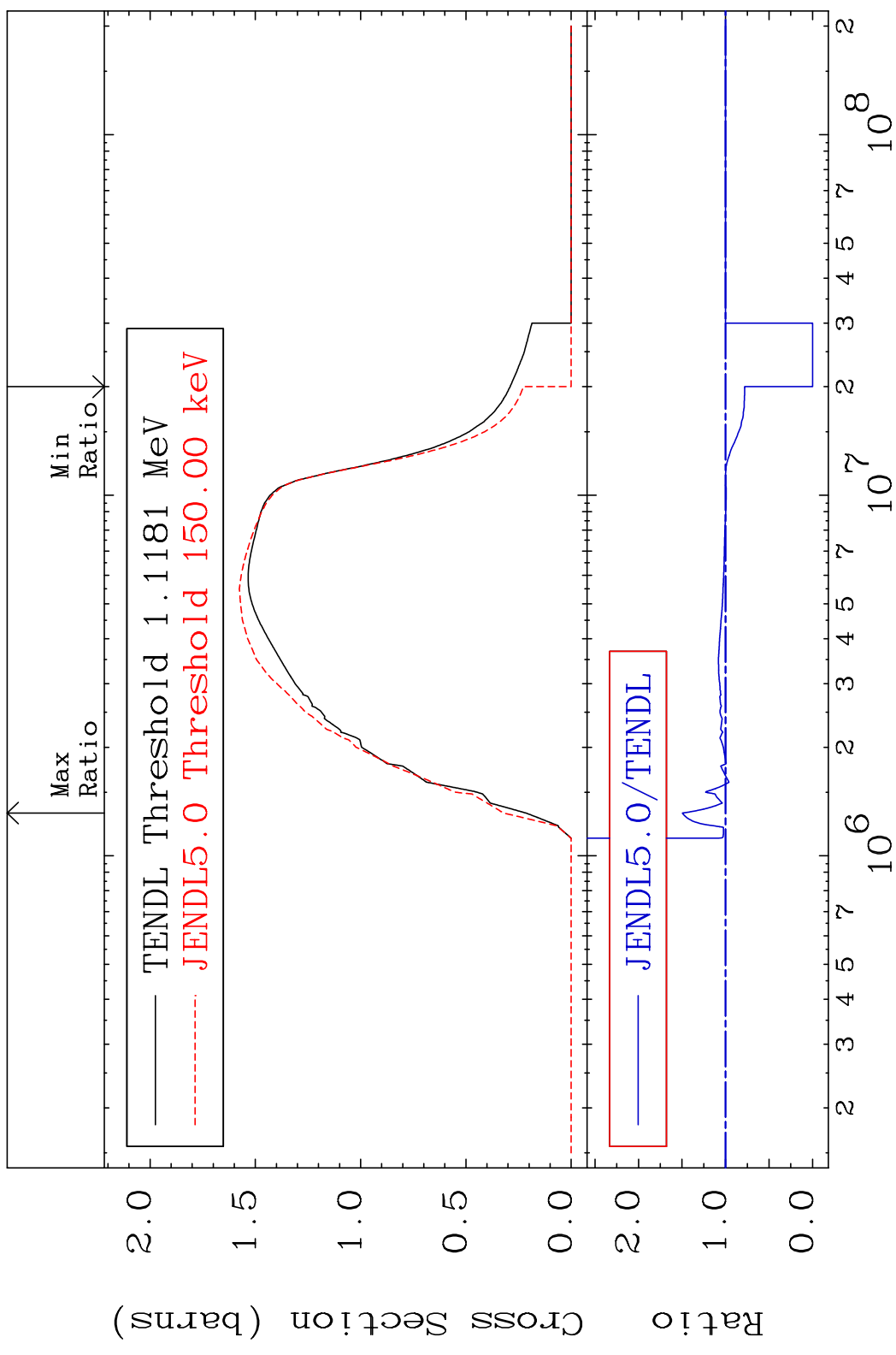
27-Co-59

MAT 2725

Inelastic

27-Co-59

Cross Section -100.0 To 49.61 %



MAT 2725

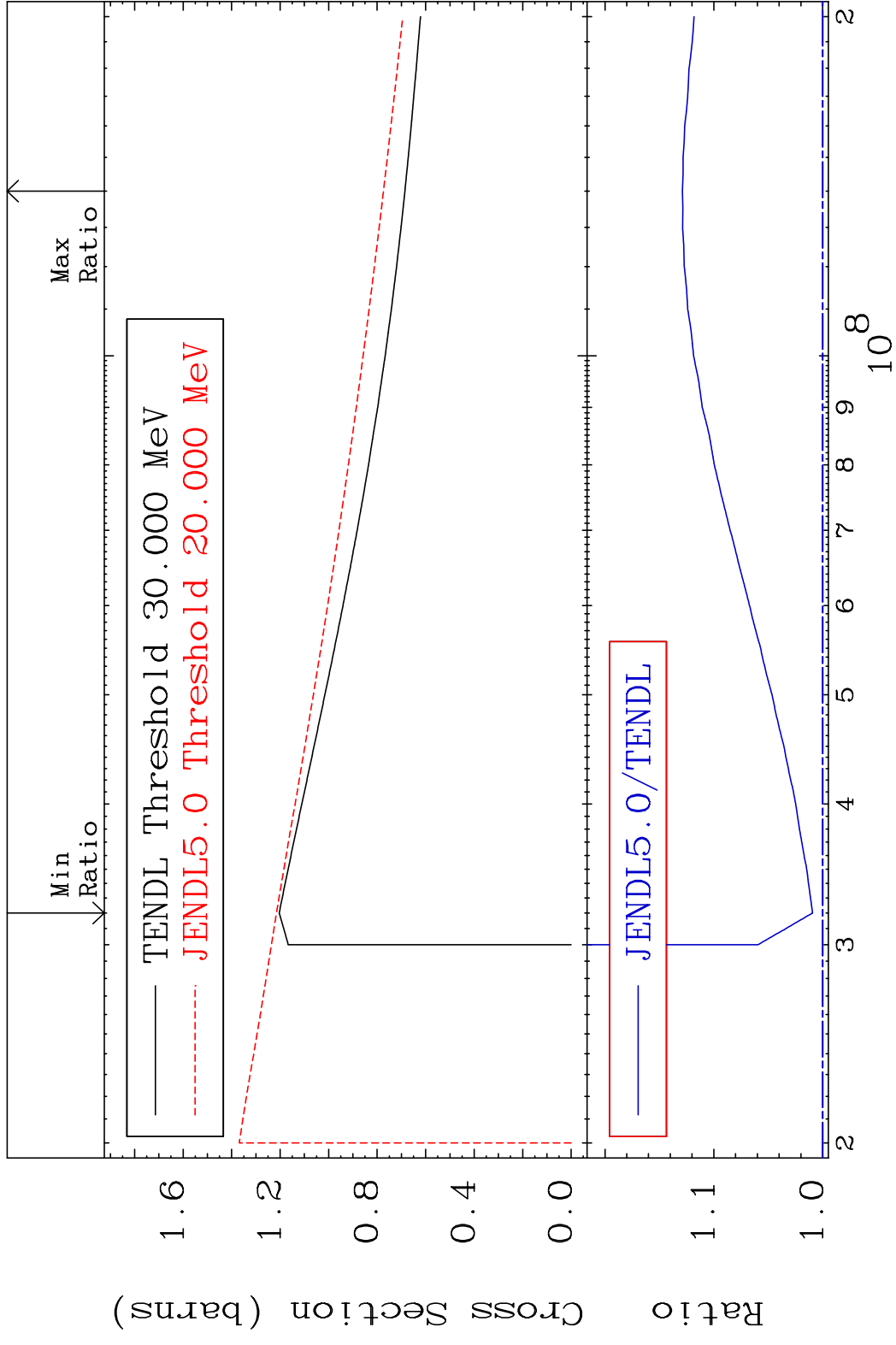
(n, remainder)

27-Co-59

Cross Section

0.933

To 12.89 %



4

Incident Energy (eV)

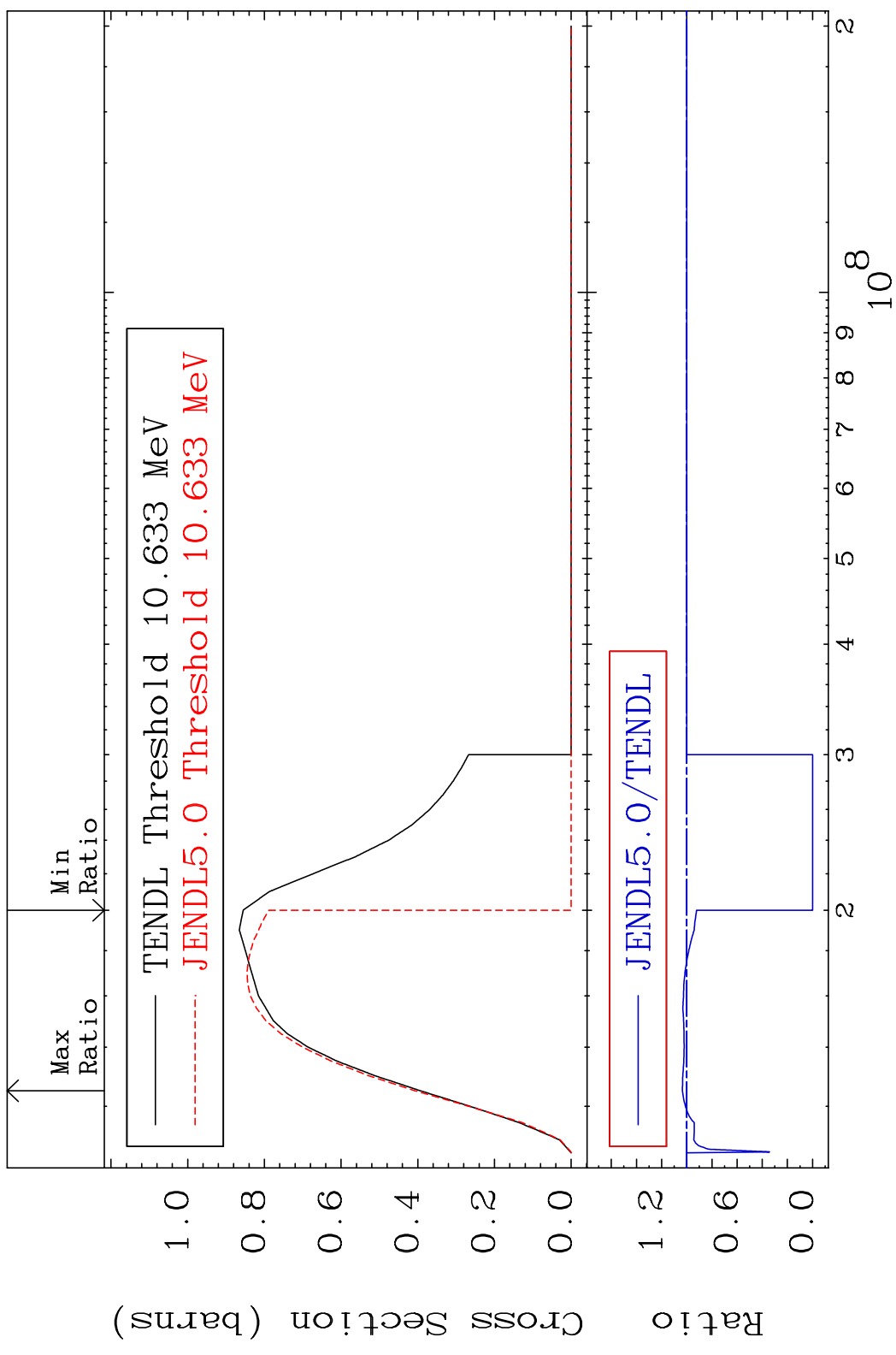
27-Co-59

MAT 2725

(n,2n)

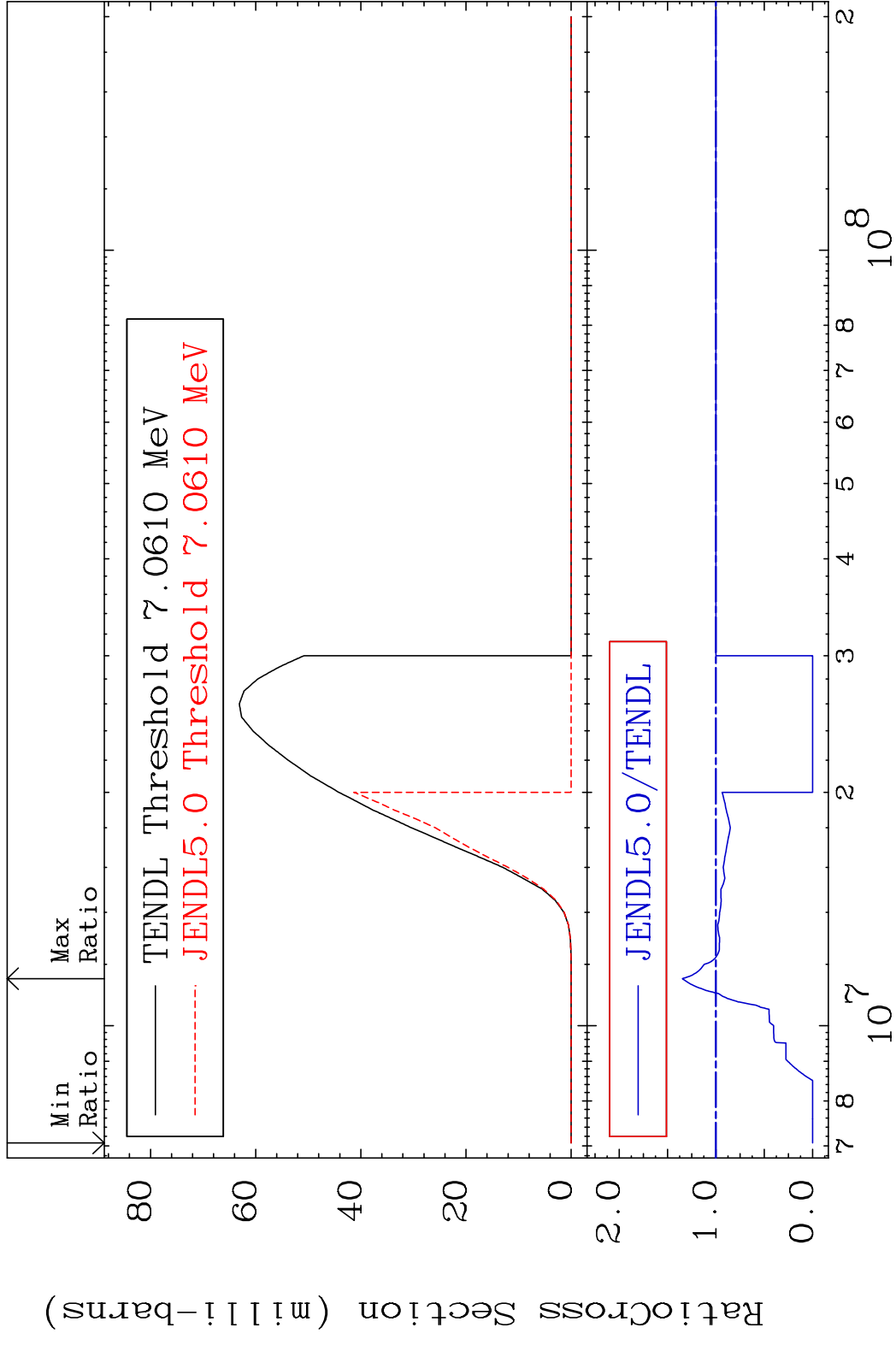
27-Co-59

Cross Section -100.0 To 3.512 %





MAT 2725 (n, n')  $\alpha$  27-Co-59  
 Cross Section -100.0 To 34.72 %



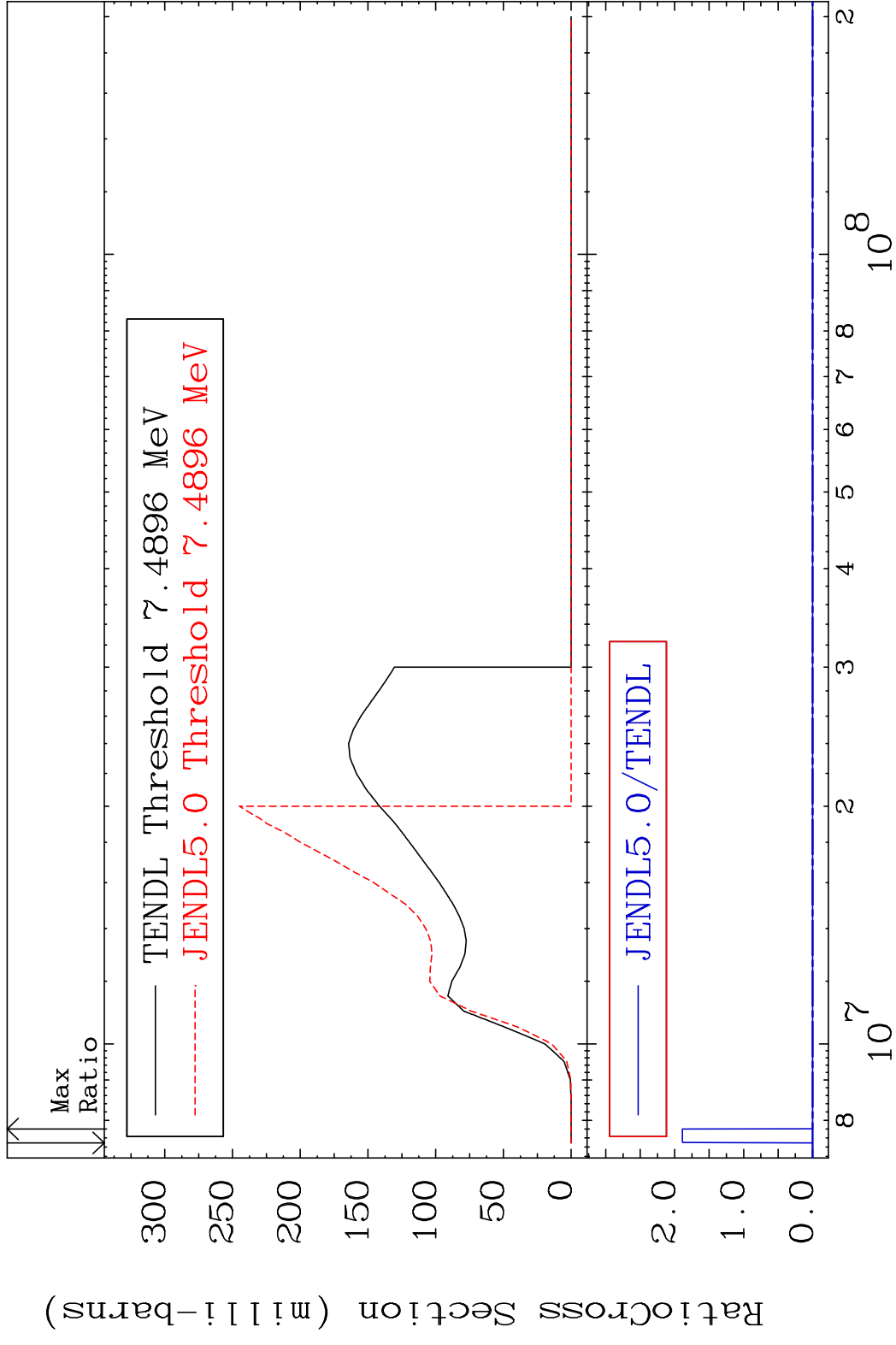
7 Incident Energy (eV) 27-Co-59

MAT 2725

(n, n') p

27-Co-59

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

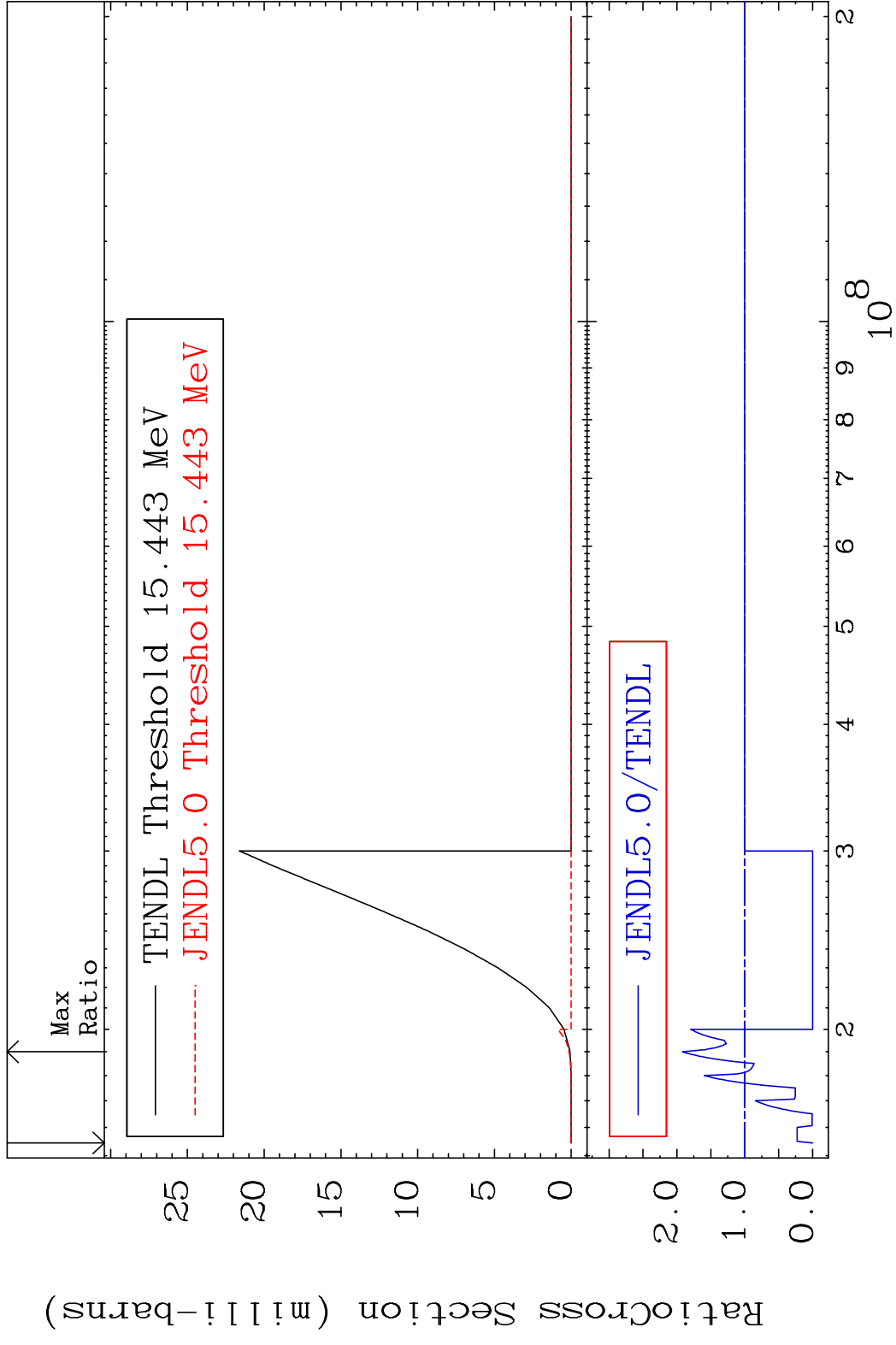
27-Co-59

MAT 2725

(n, n') d

27-Co-59

Cross Section -100.0 To 92.02 %

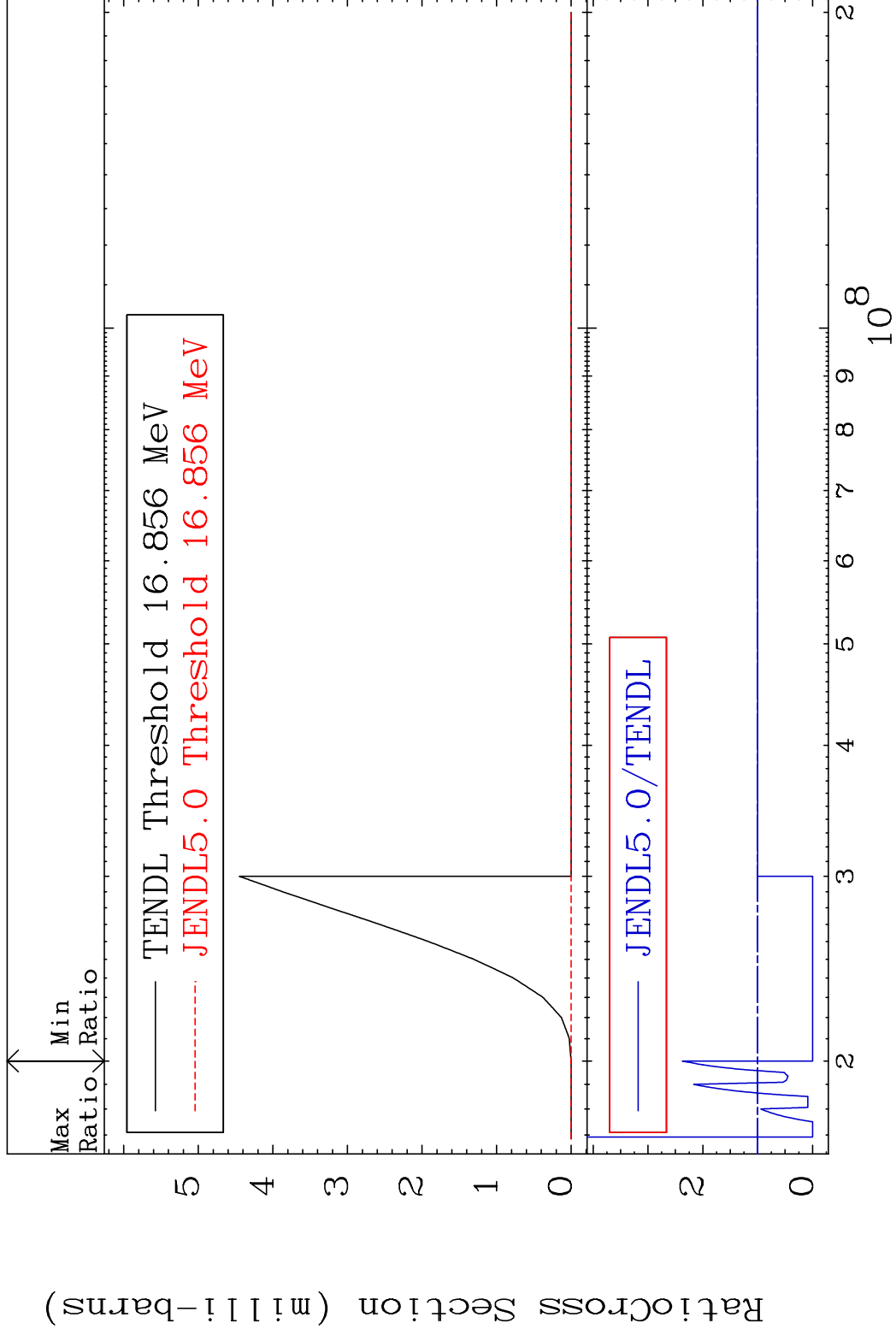


MAT 2725

(n, n') t

27-Co-59

Cross Section -100.0 To 137.3 %



10

Incident Energy (eV)

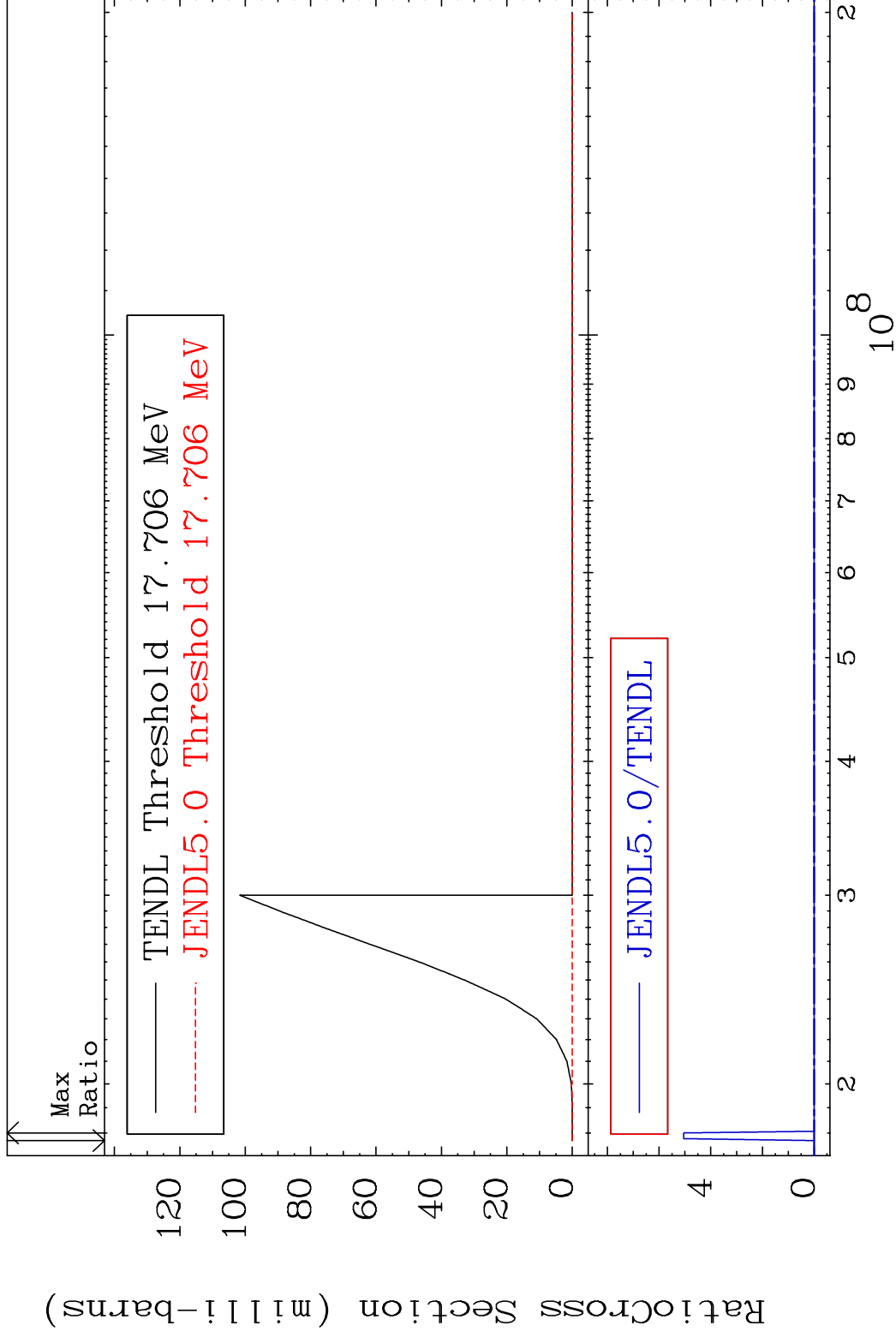
27-Co-59

MAT 2725

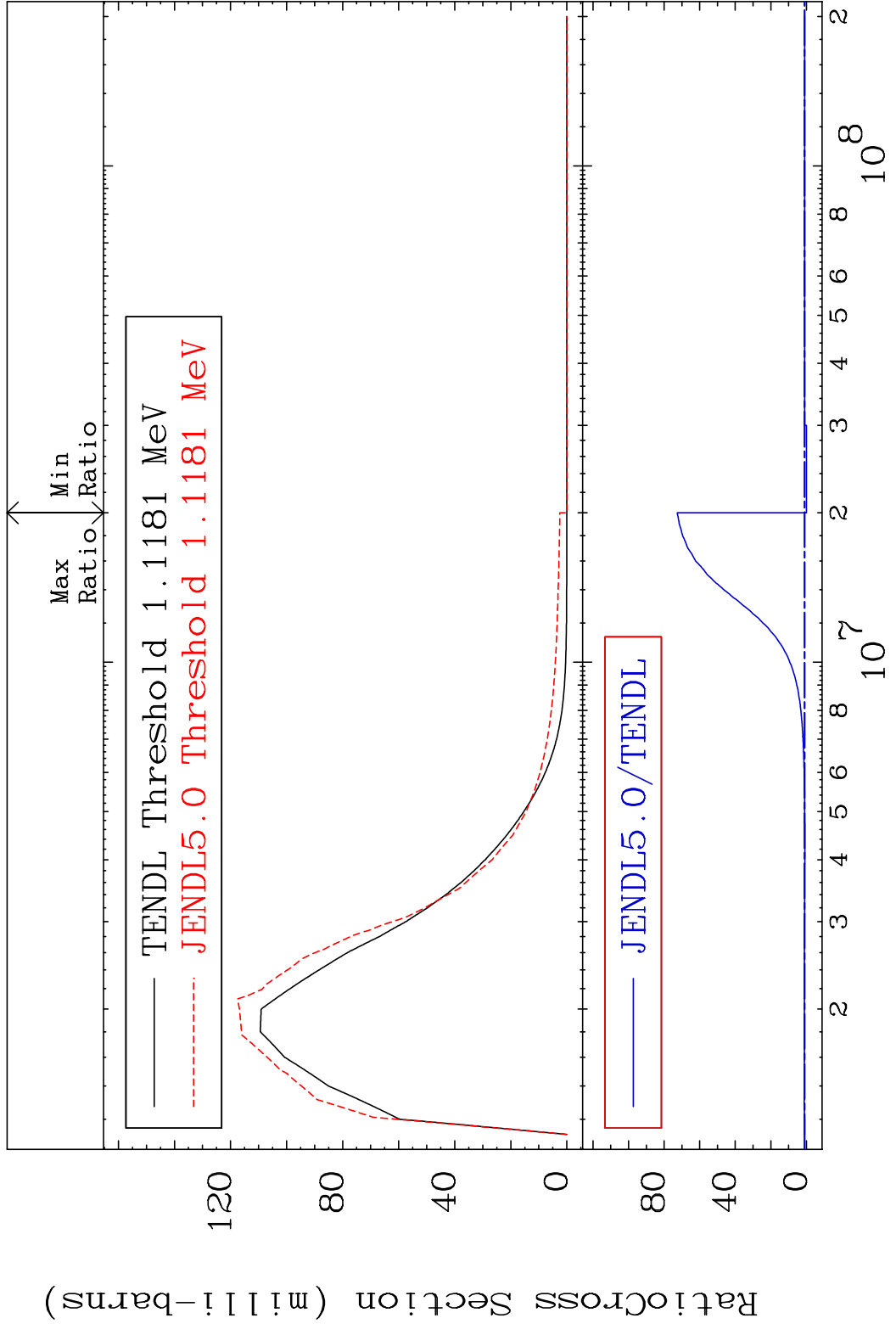
(n,2n) p

27-Co-59

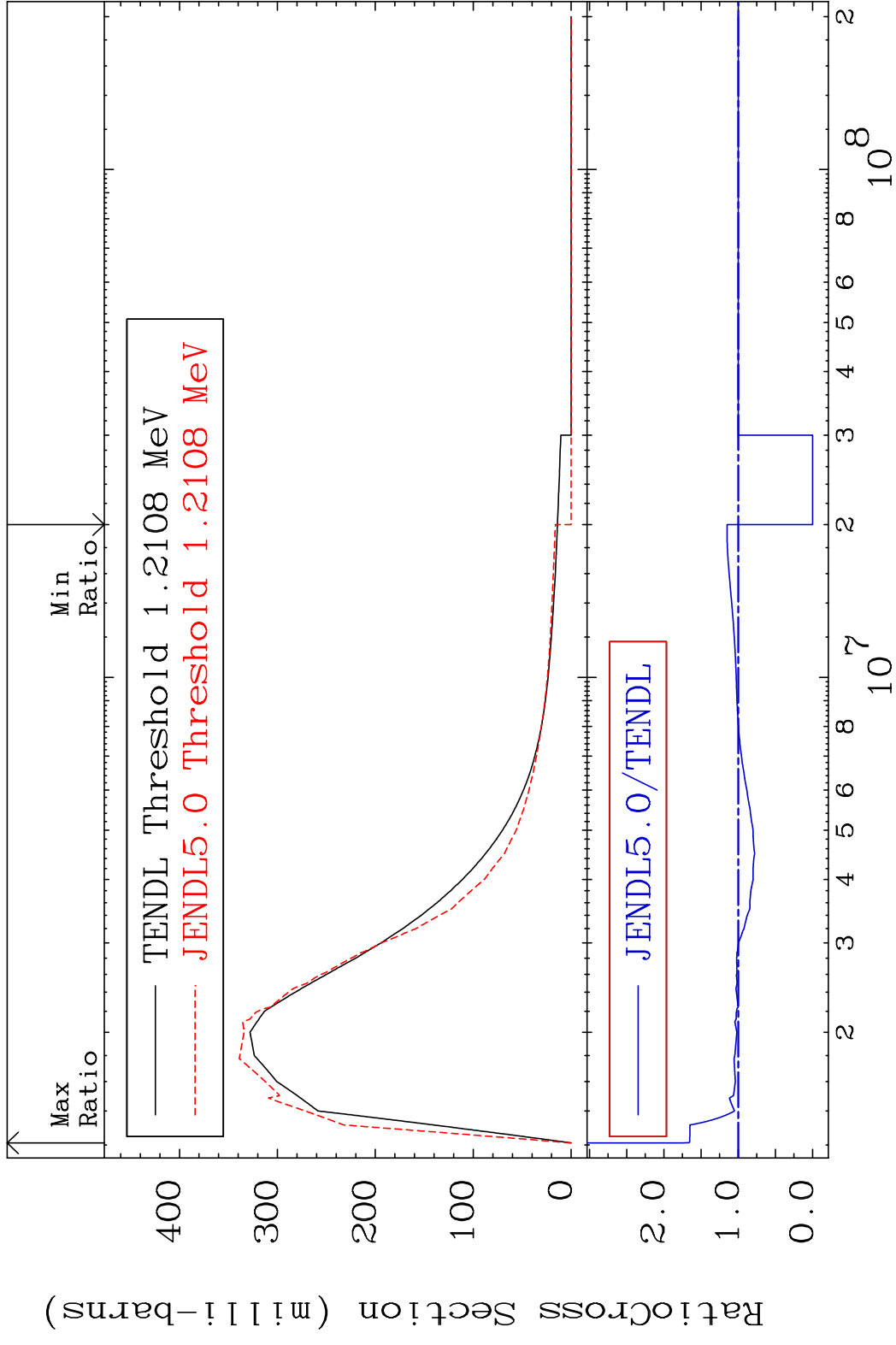
Cross Section -100.0 To 9999. %



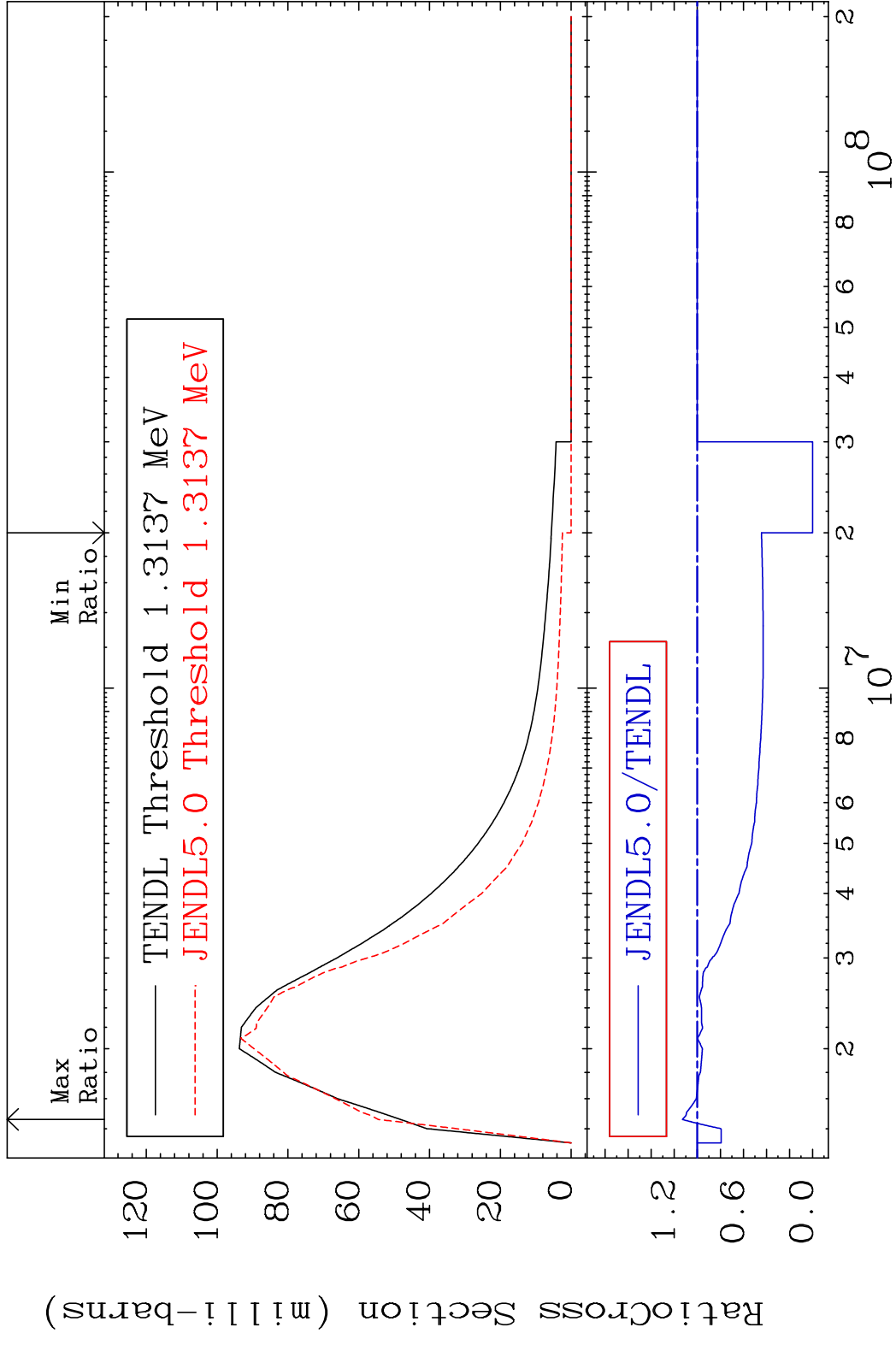
MAT 2725 MT= 51 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 7165. %



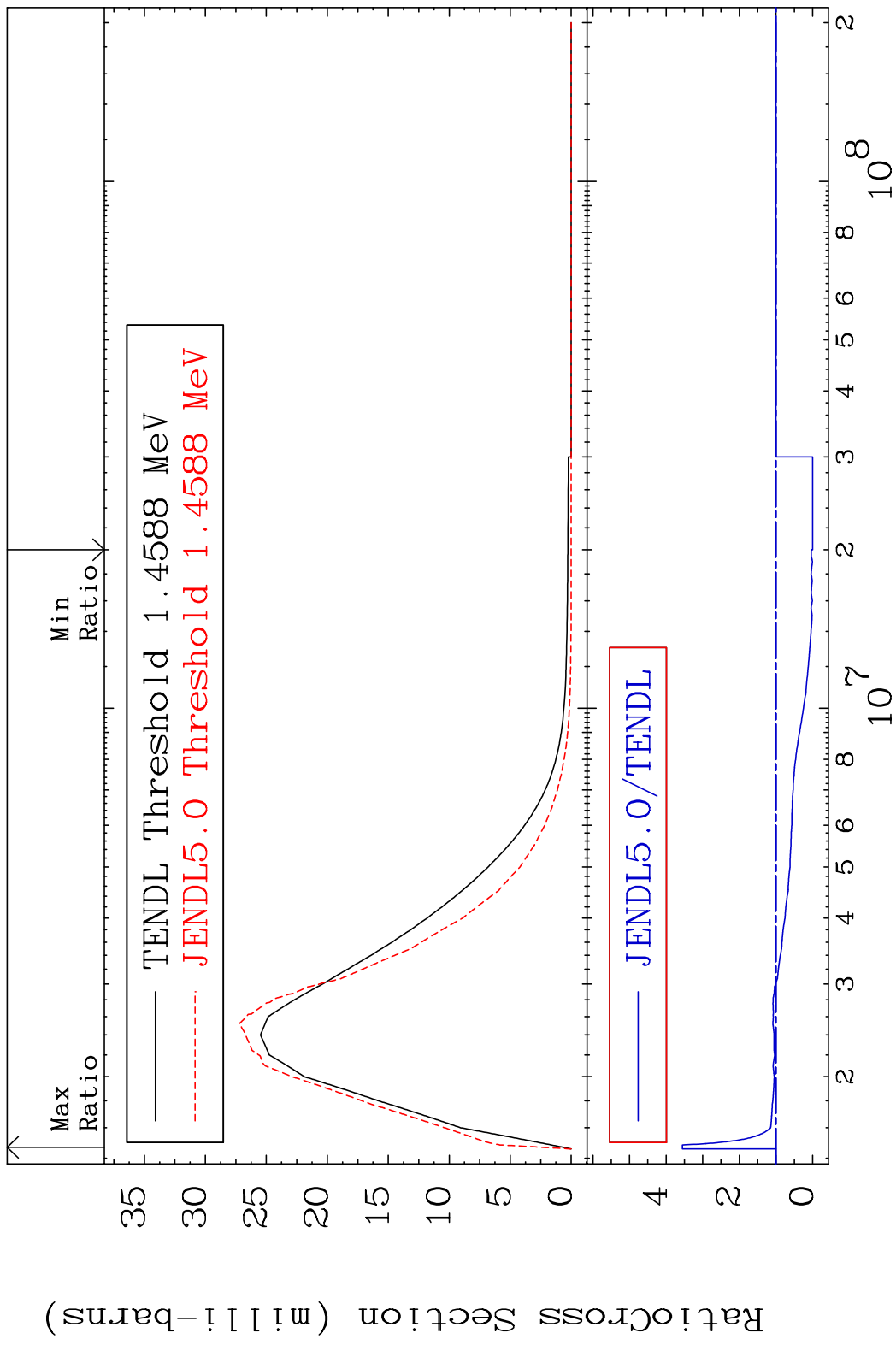
MAT 2725 MT= 52 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 75.17 %



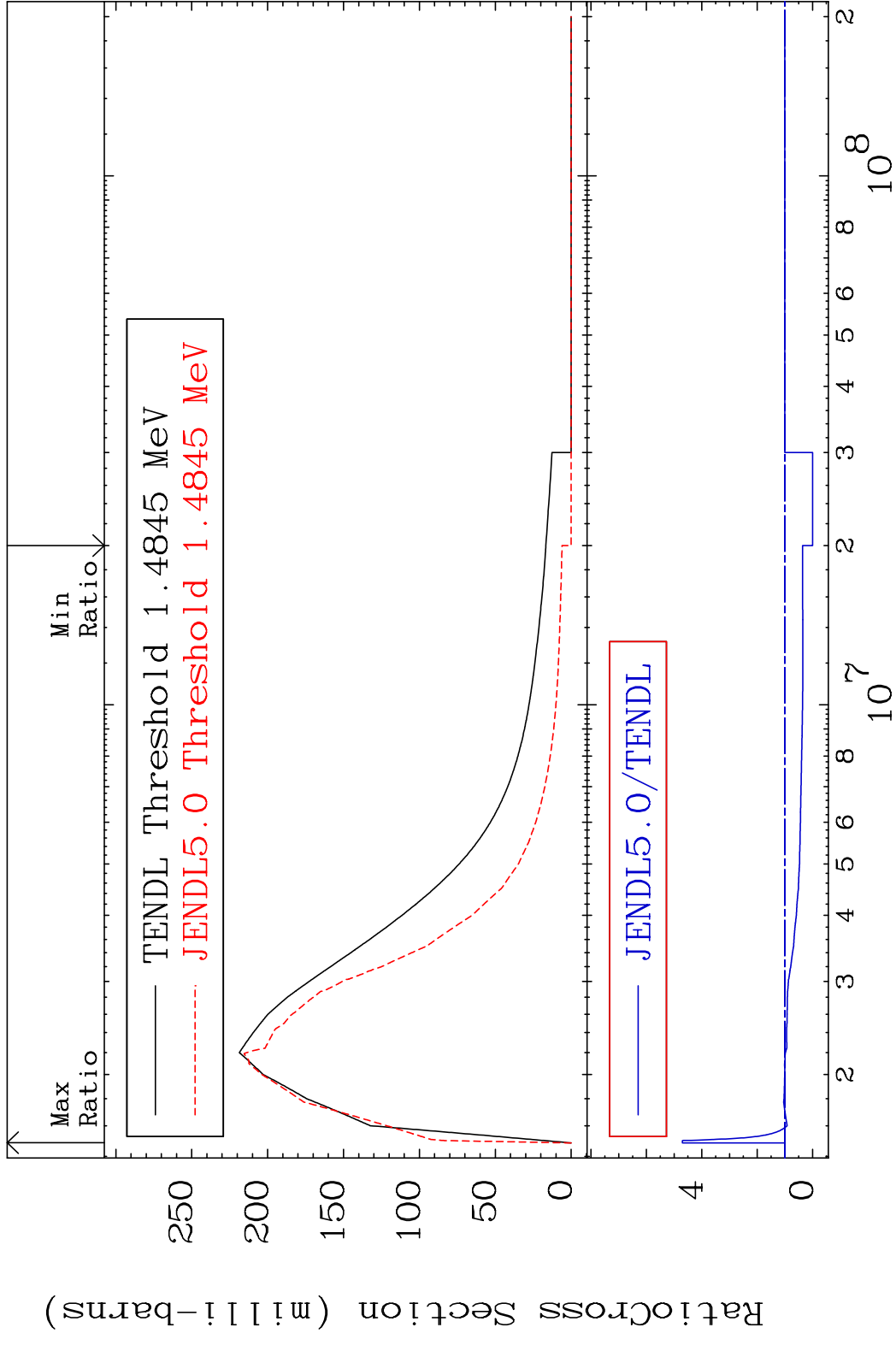
MAT 2725 MT= 53 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 12.98 %



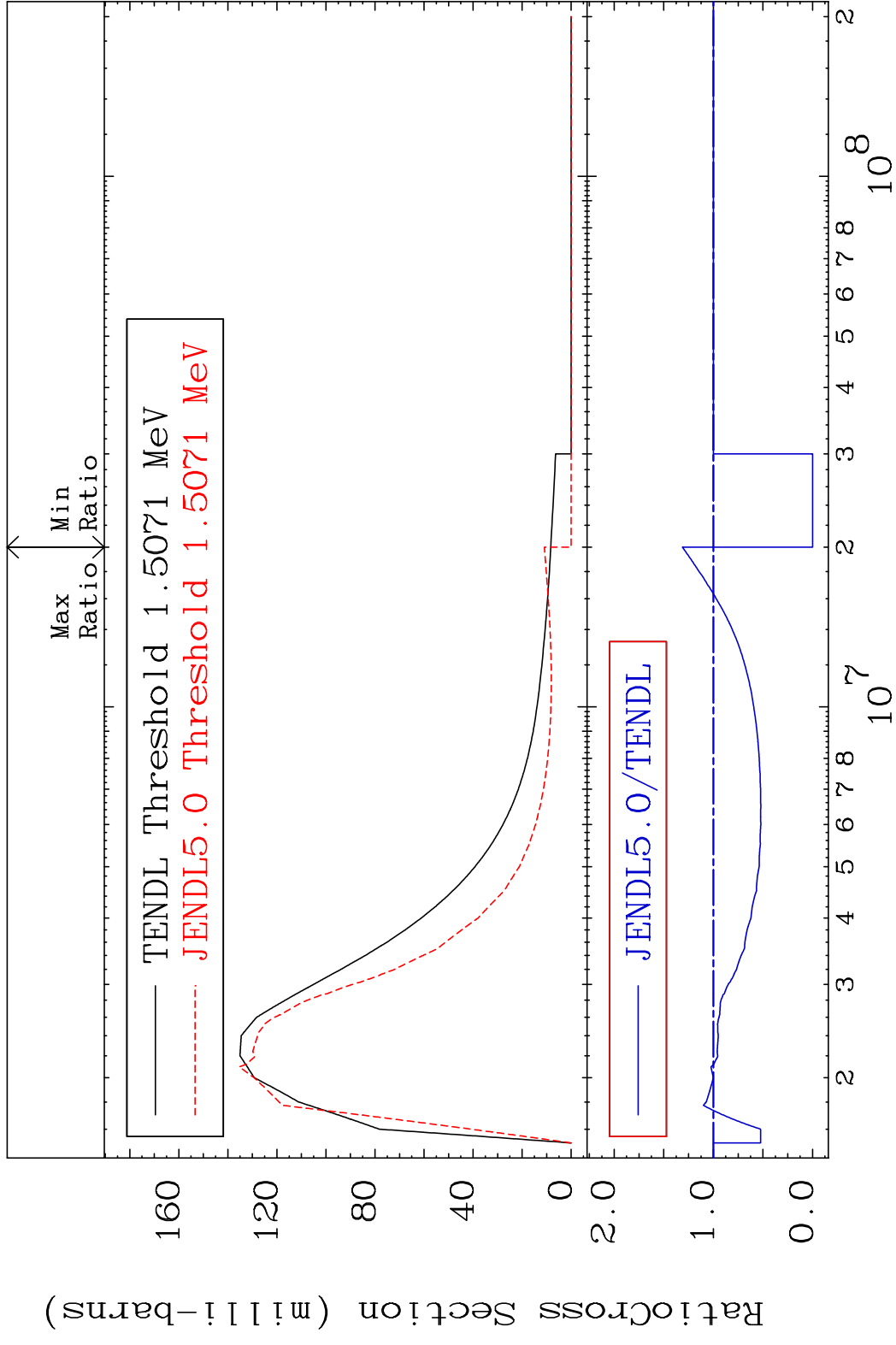
MAT 2725 MT= 54 (n,n') Level 27-Co-59  
 Cross Section -100.0 To 255.6 %



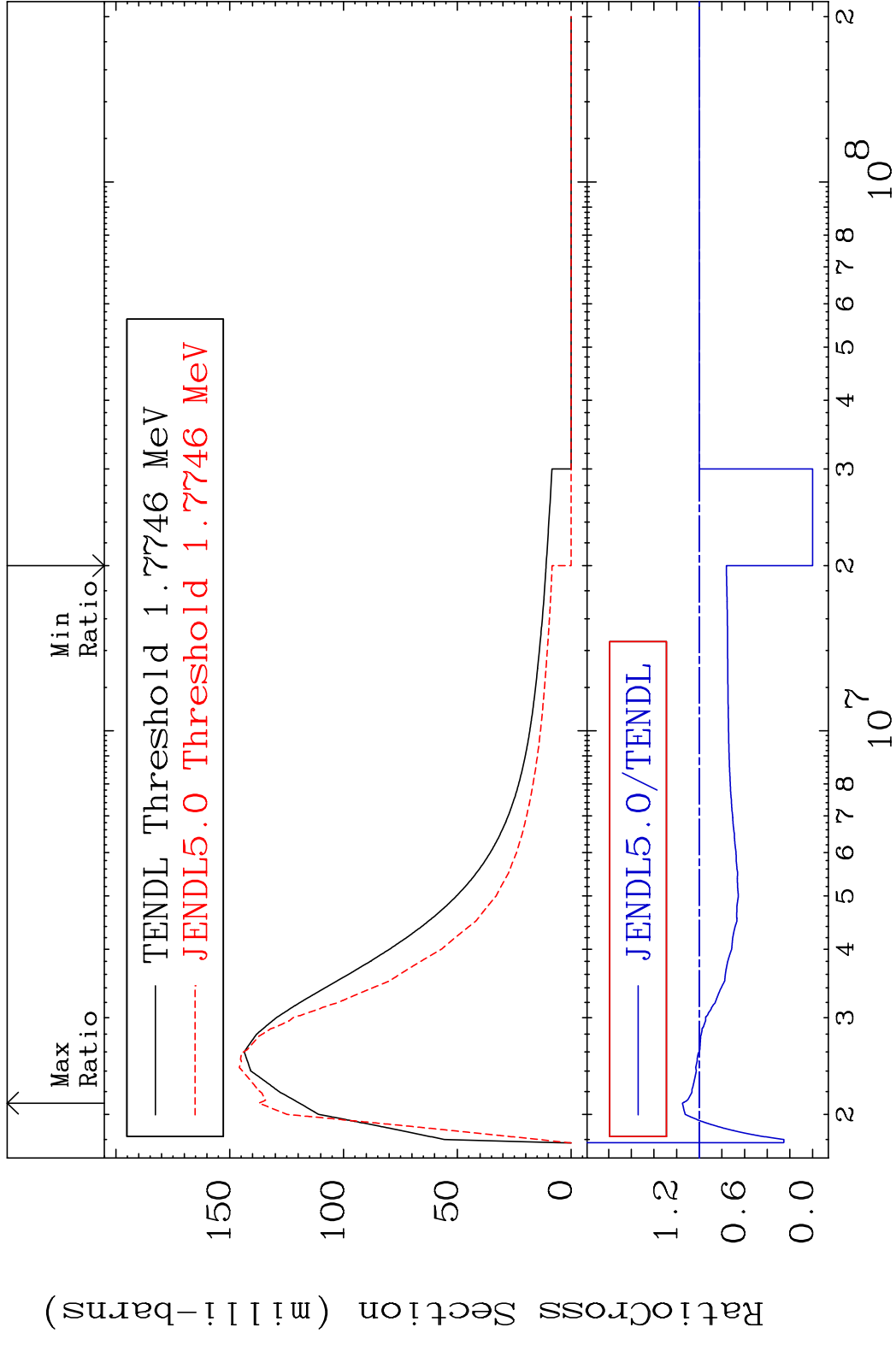
MAT 2725 MT= 55 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 370.2 %



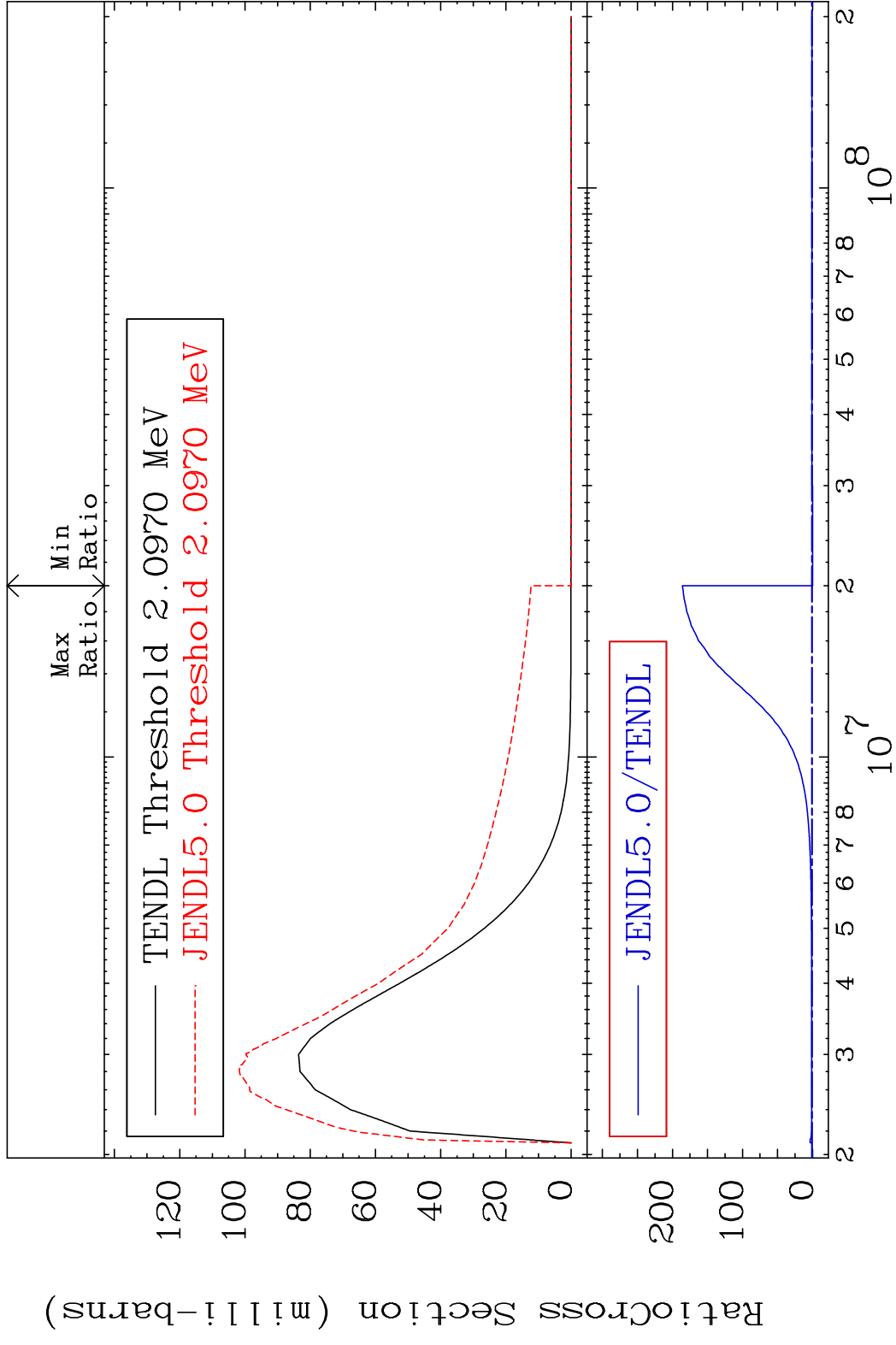
MAT 2725 MT= 56 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 31.28 %



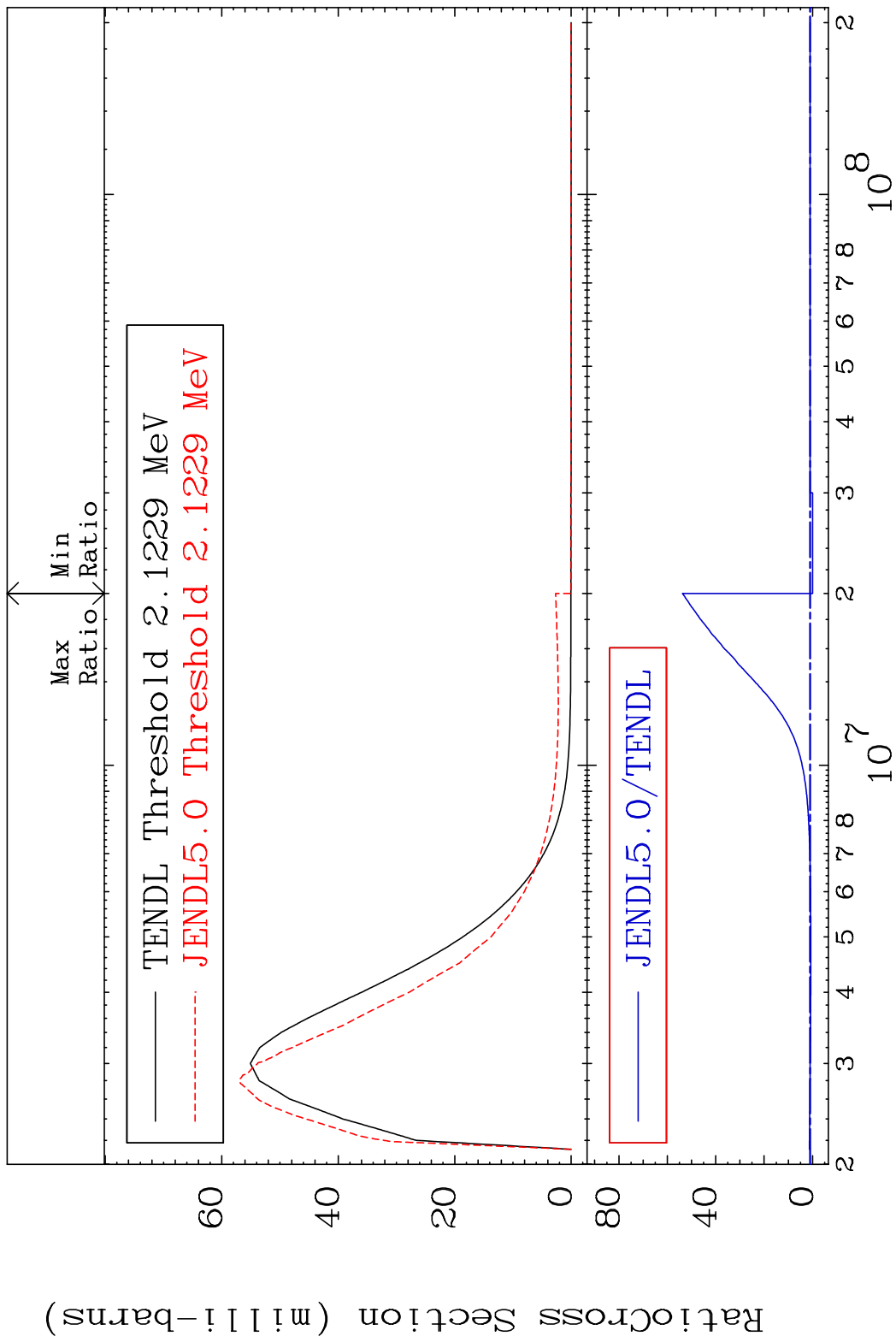
MAT 2725 MT= 57 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 14.95 %



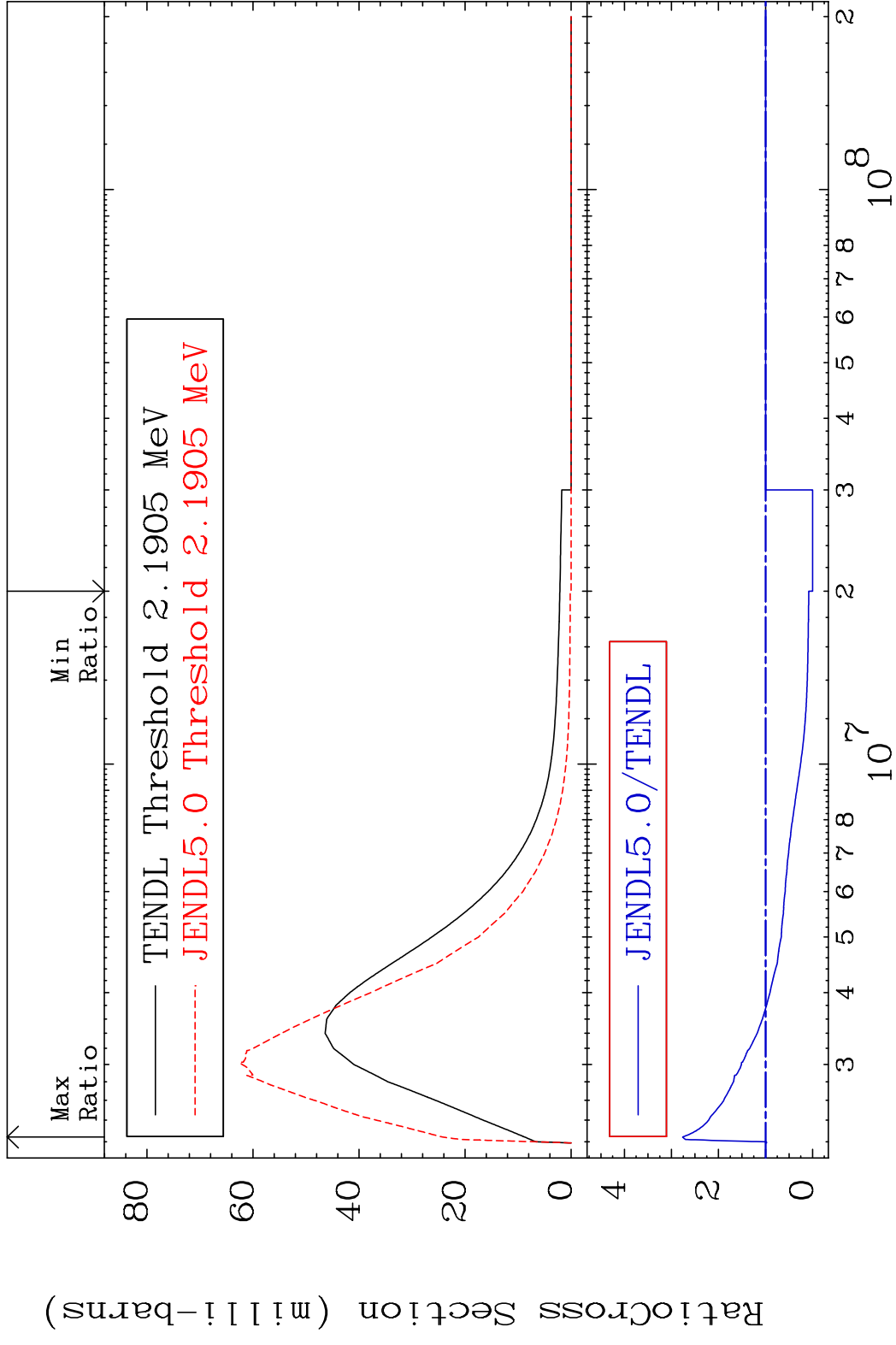
MAT 2725 MT= 58 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 9999. %



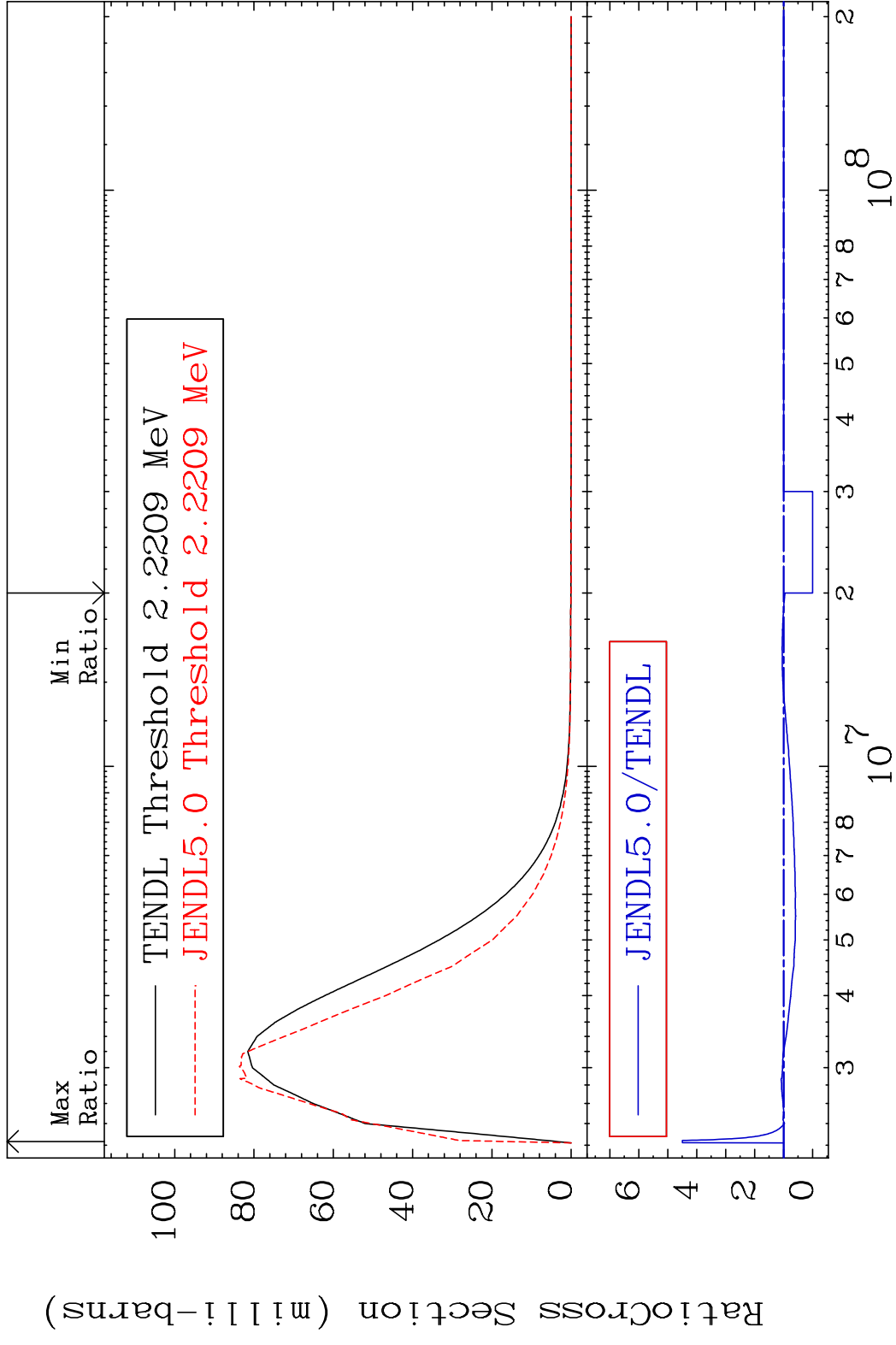
MAT 2725 MT= 59 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 5279. %



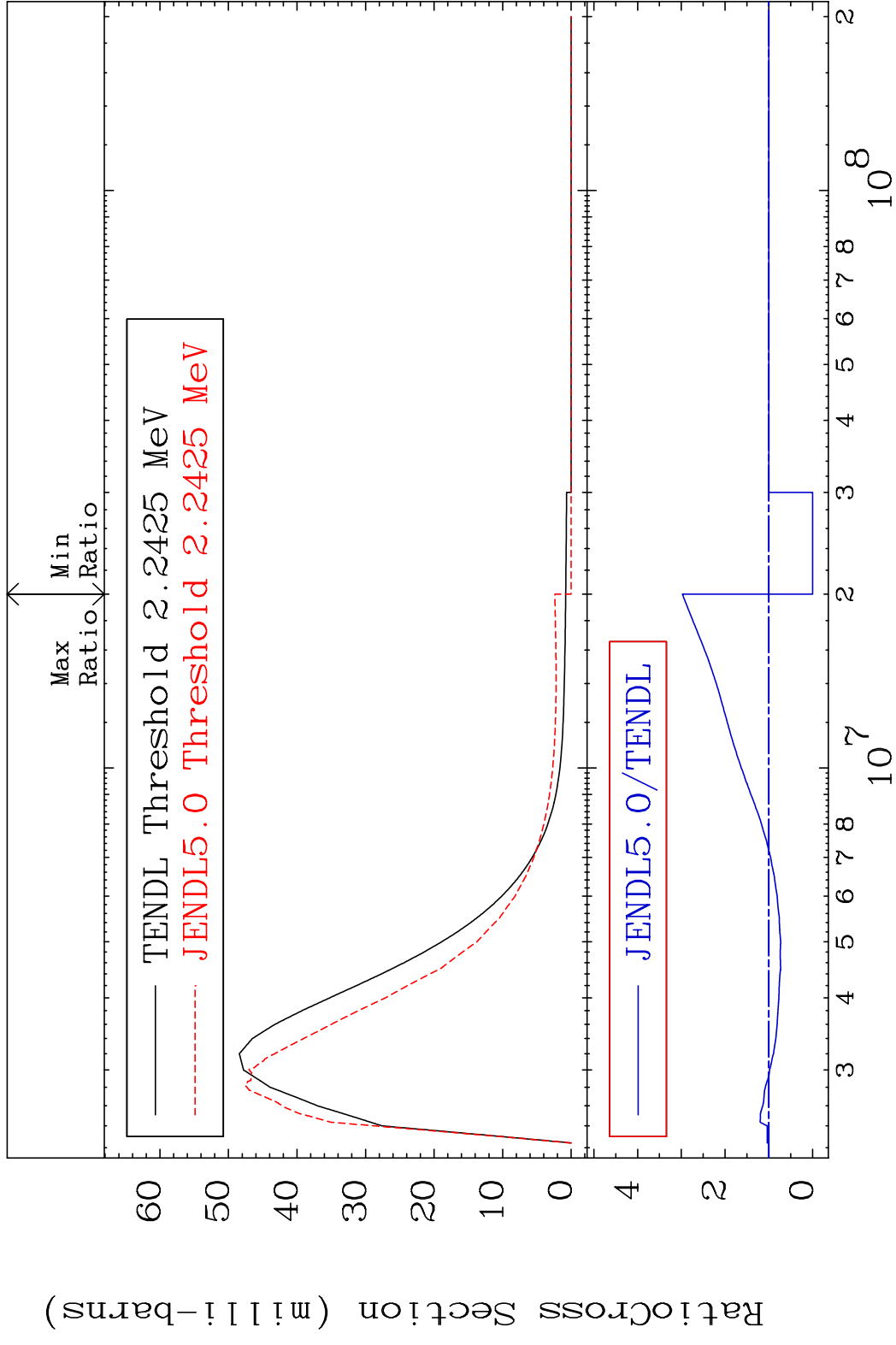
MAT 2725 MT= 60 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 176.8 %



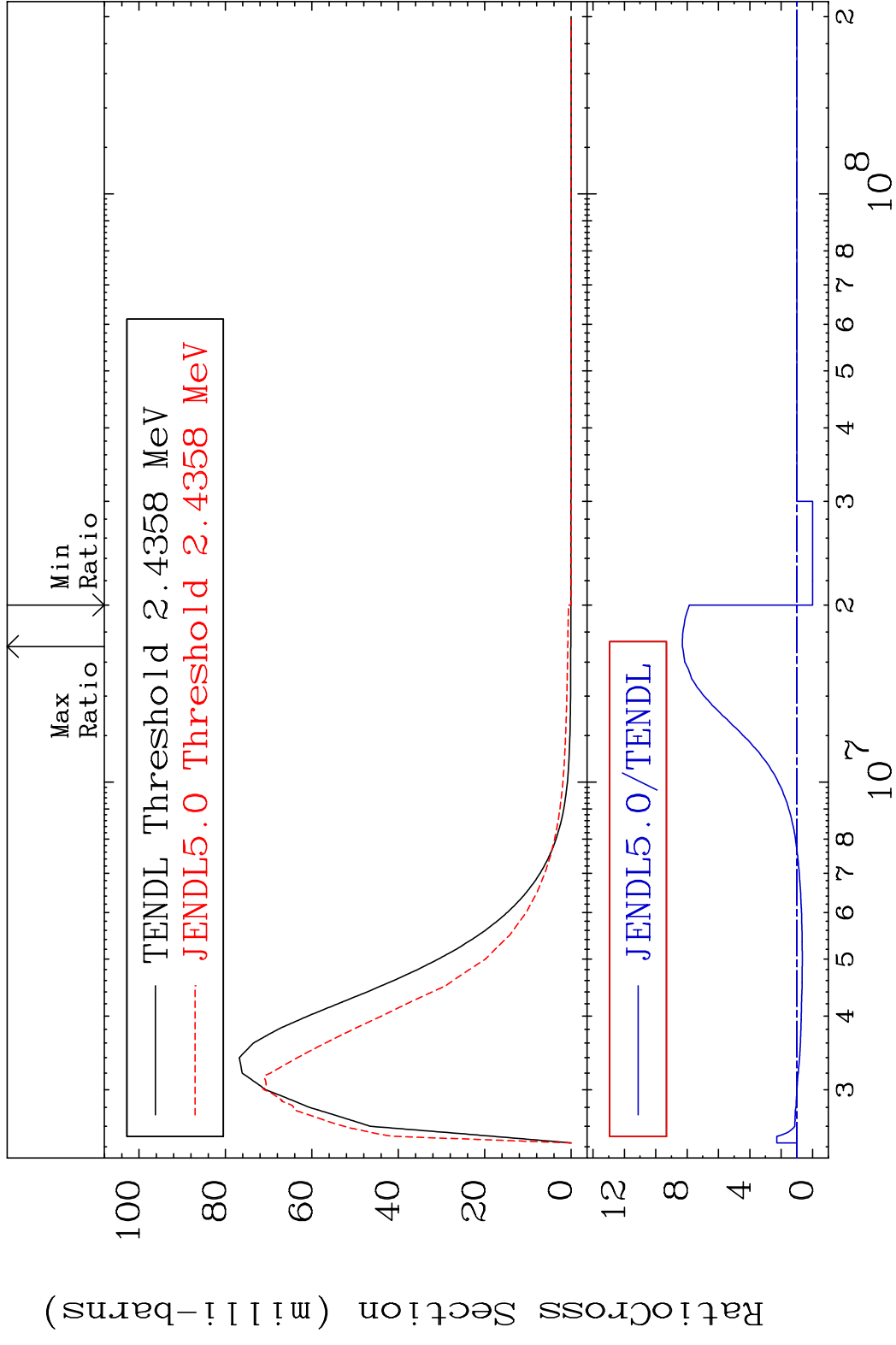
MAT 2725 MT= 61 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 349.5 %



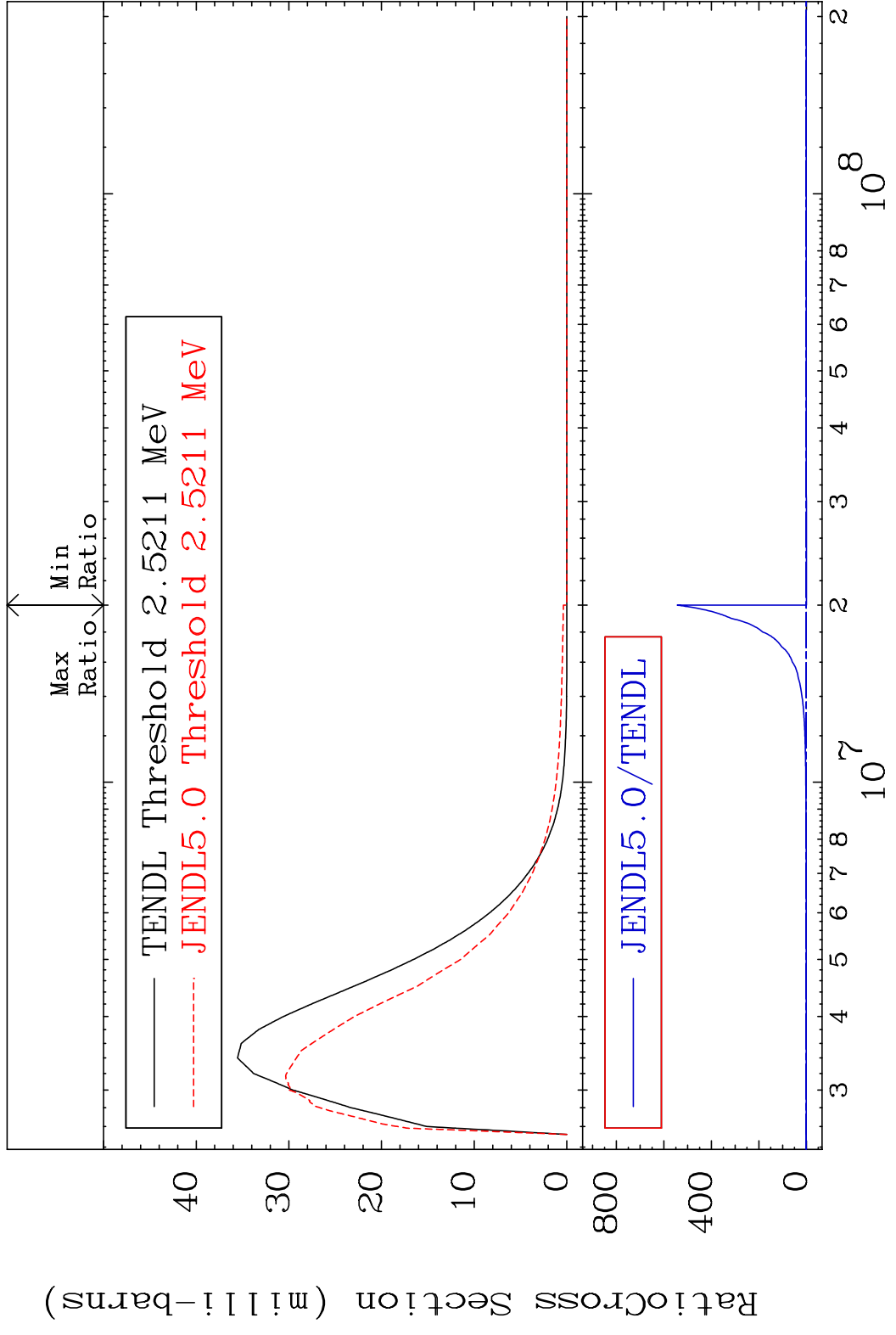
MAT 2725 MT= 62 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 197.7 %



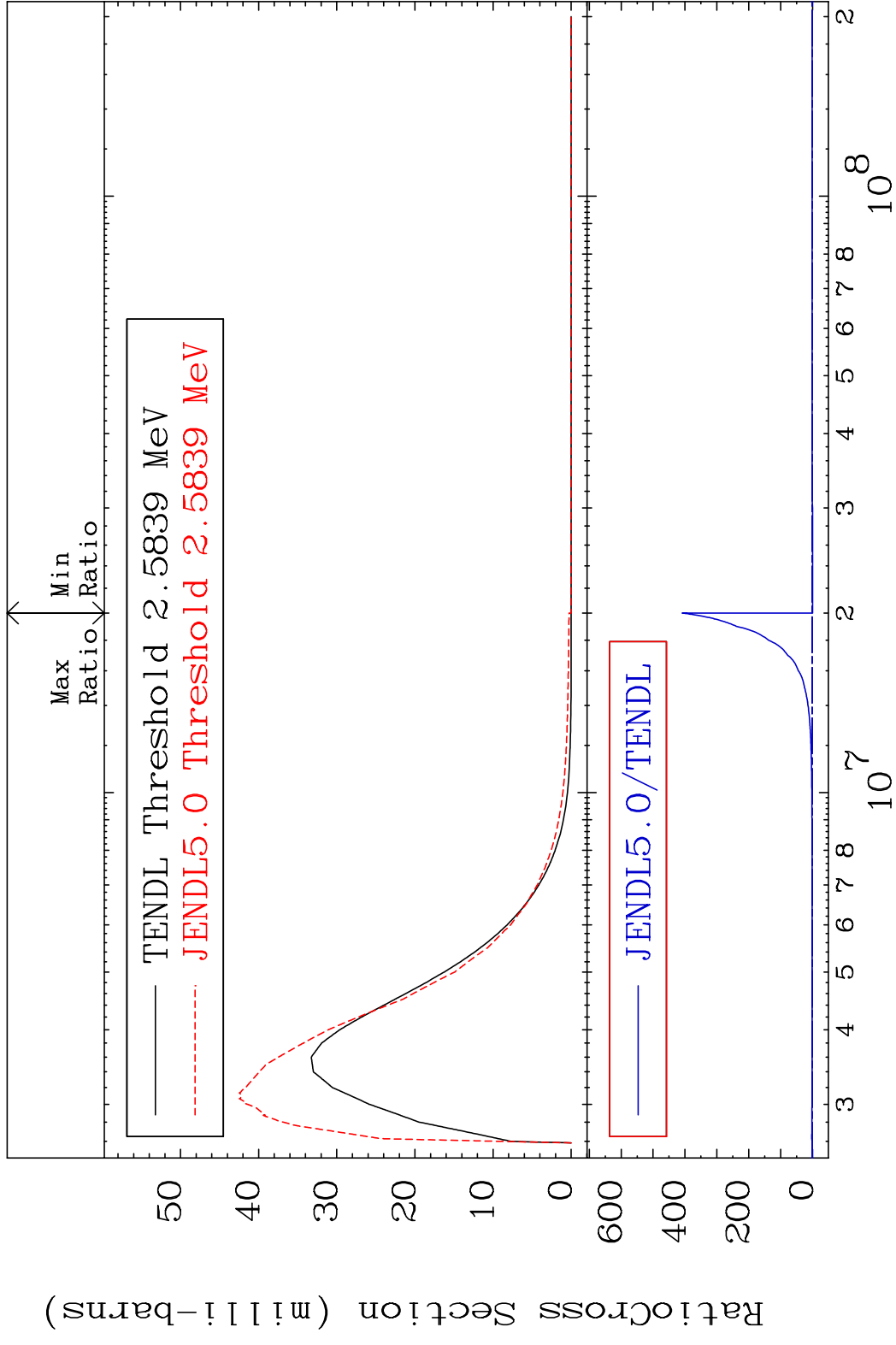
MAT 2725 MT= 63 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 730.3 %



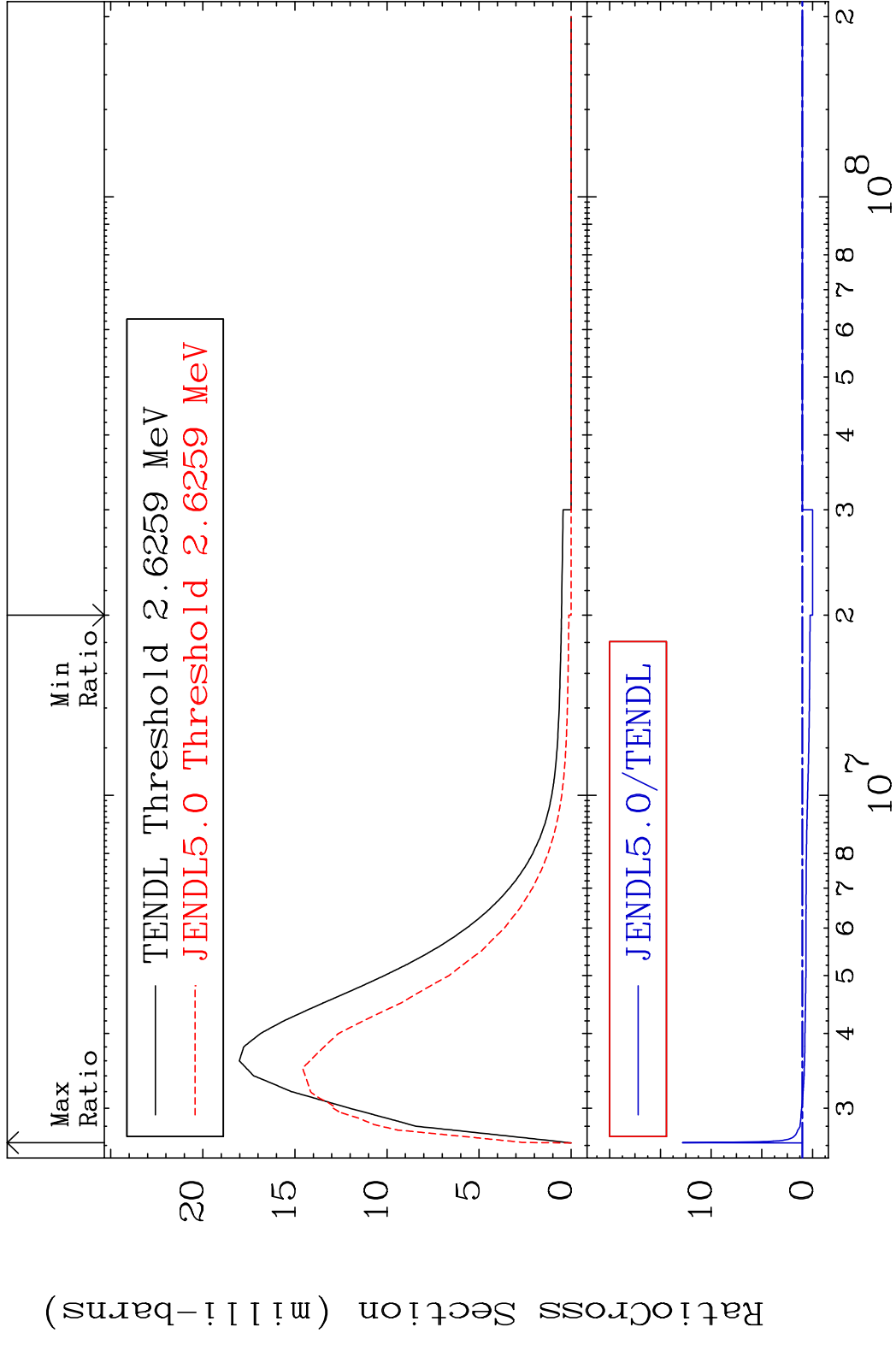
MAT 2725 MT= 64 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 9999. %



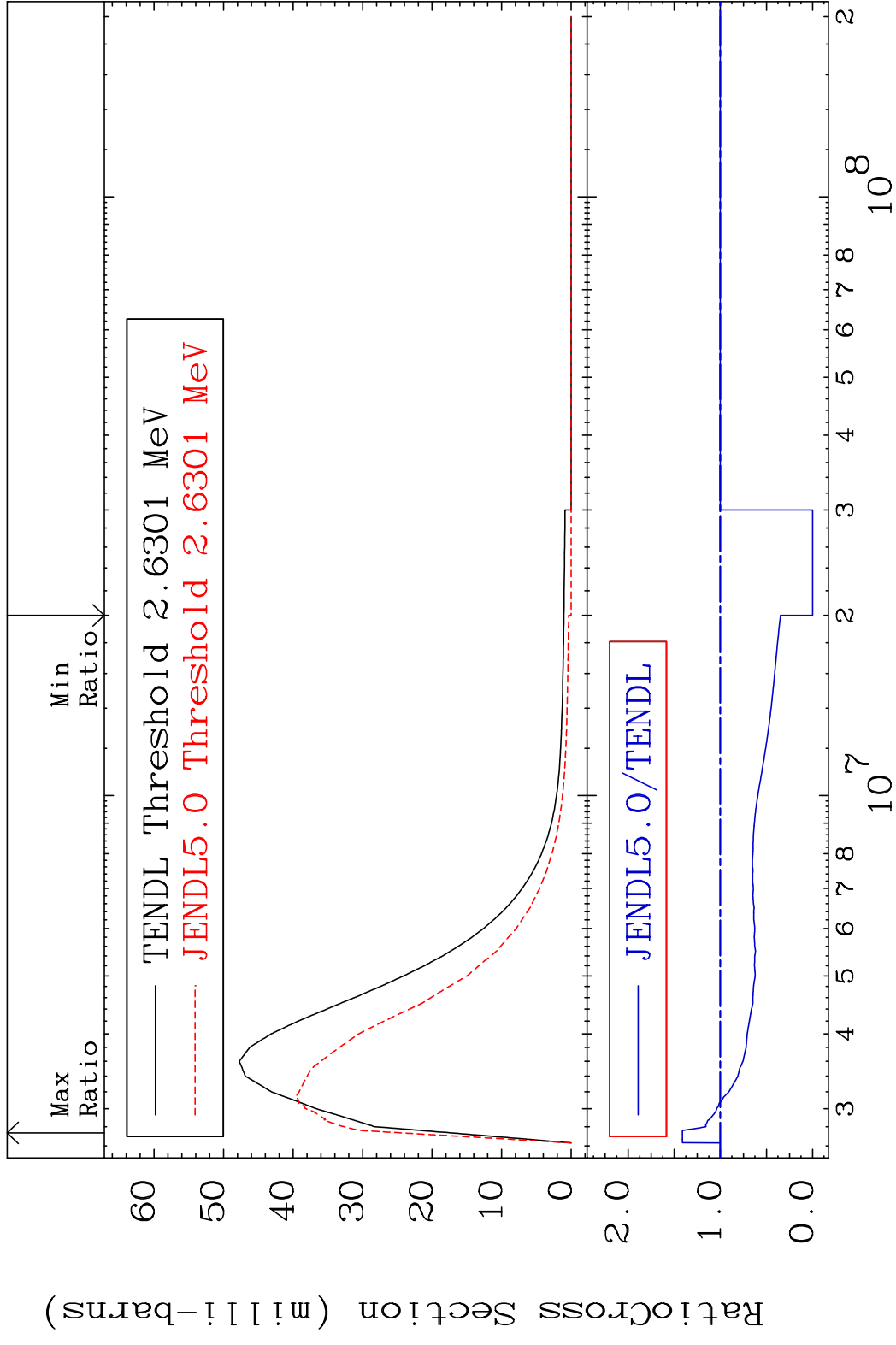
MAT 2725 MT= 65 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 9999. %



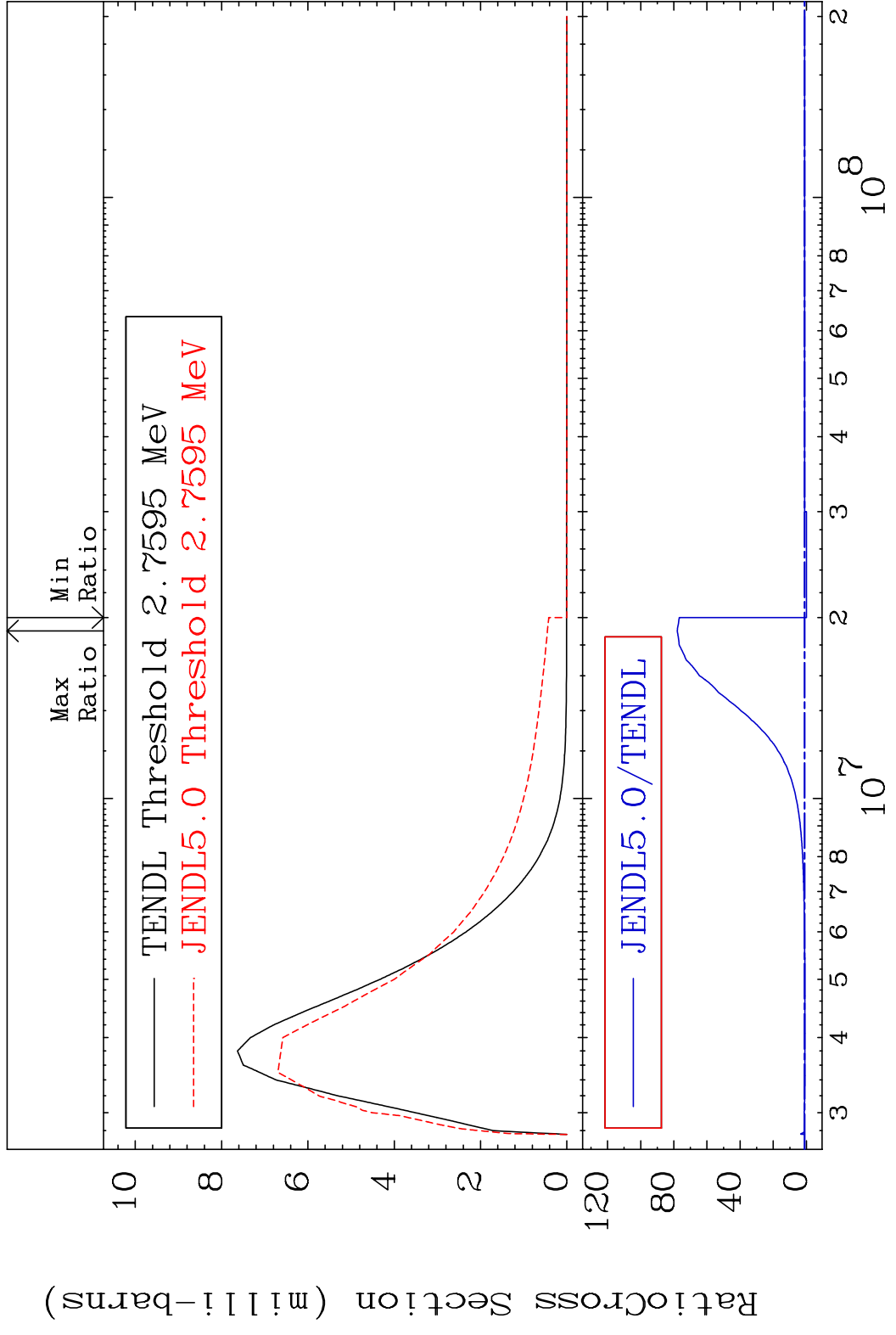
MAT 2725 MT= 66 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1183. %



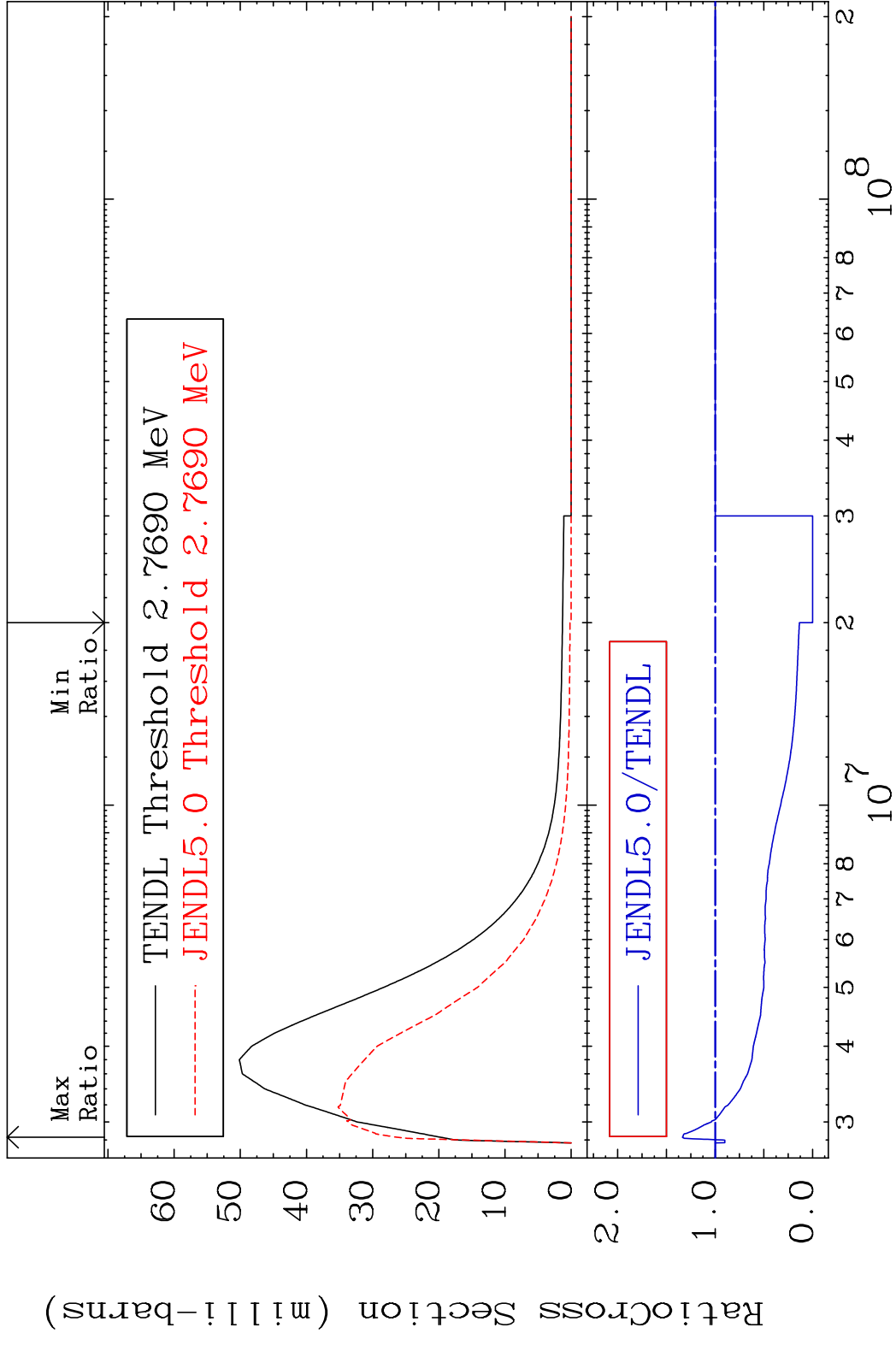
MAT 2725 MT= 67 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 41.20 %



MAT 2725 MT= 68 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 7697. %

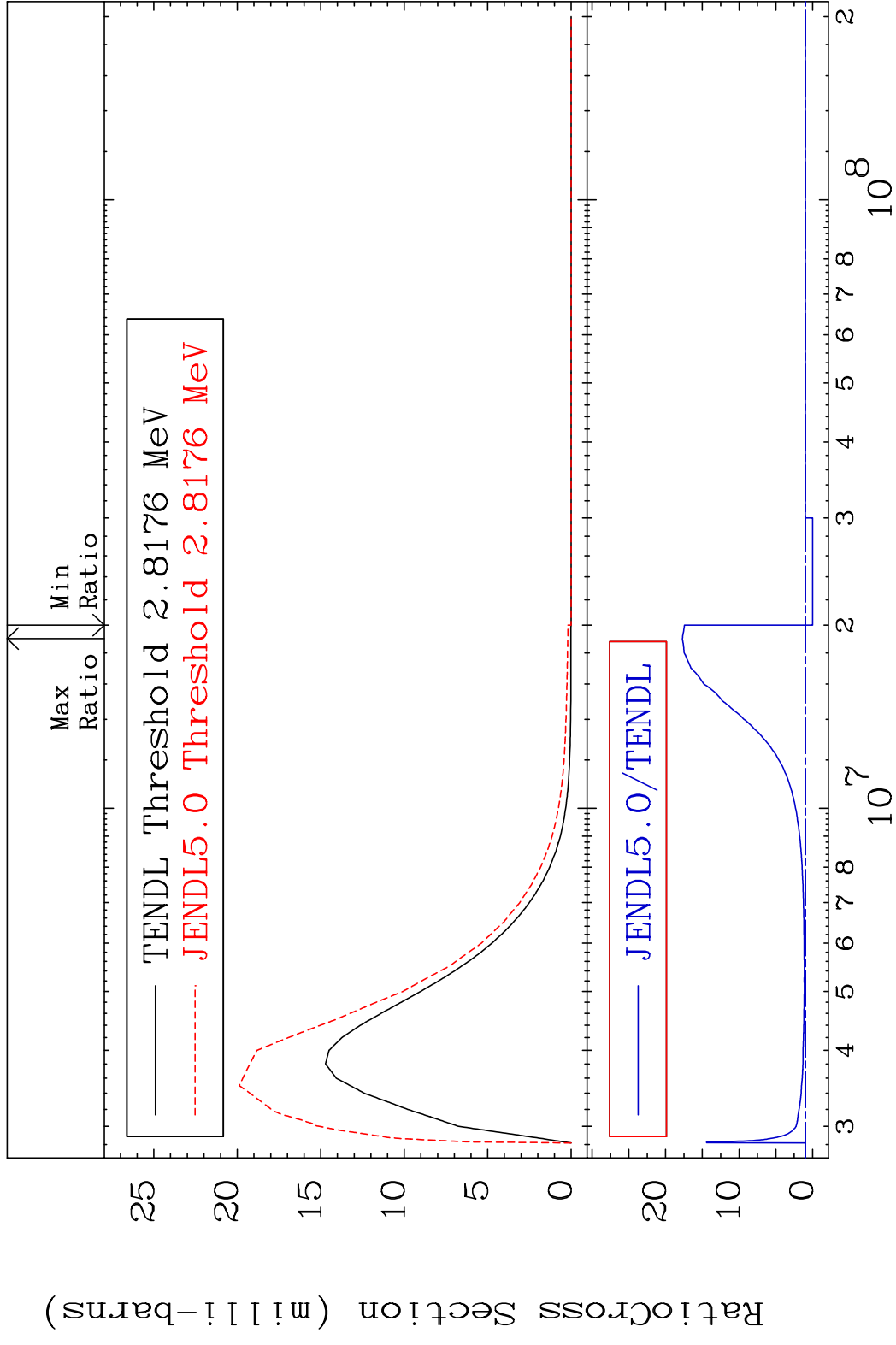


MAT 2725 MT= 69 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 33.64 %

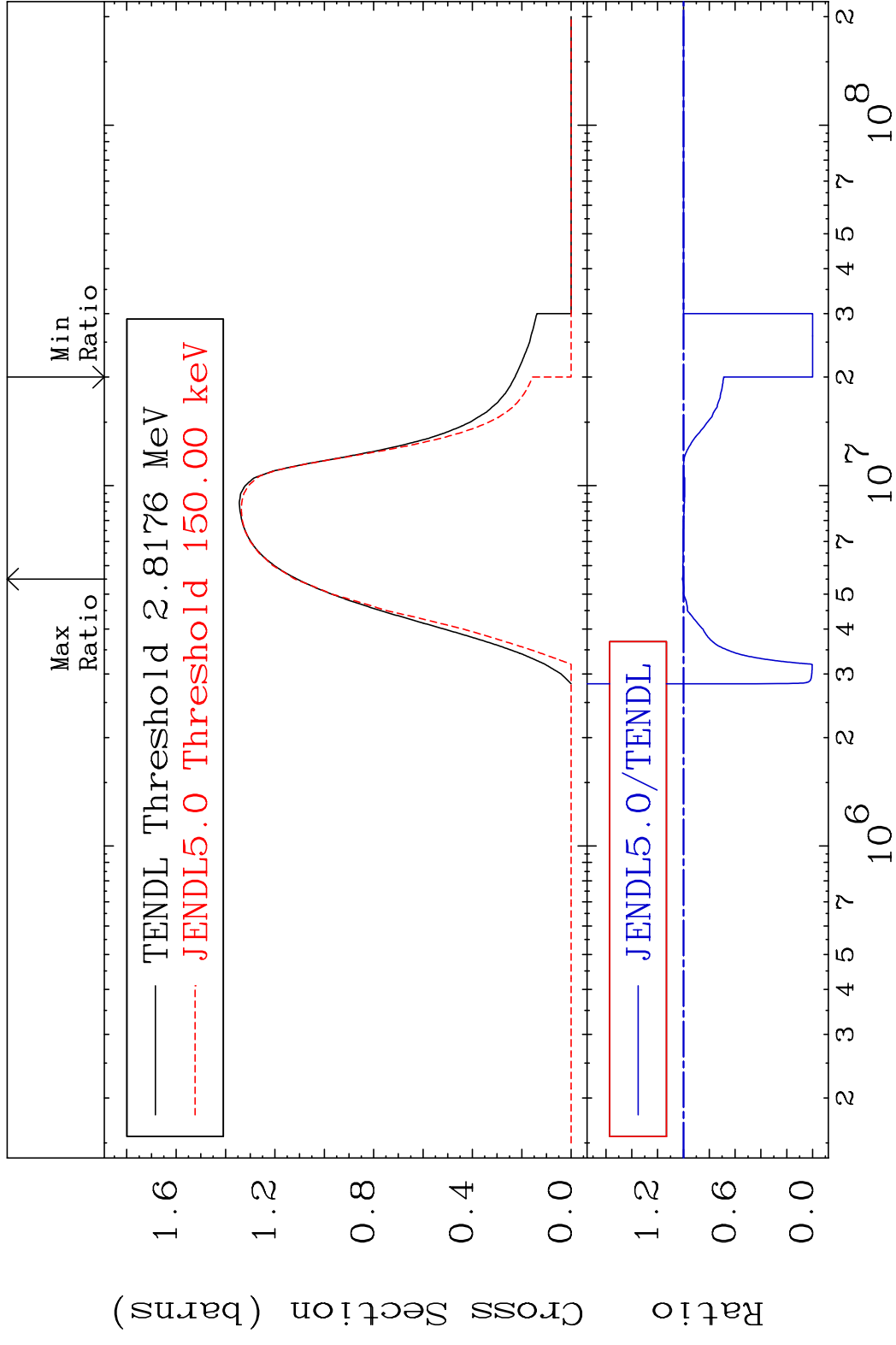


30 Incident Energy (eV) 27-Co-59

MAT 2725 MT= 70 (n, n') Level 27-Co-59  
 Cross Section -100.0 To 1672. %



Cross Section -100.0 To 0.833 %

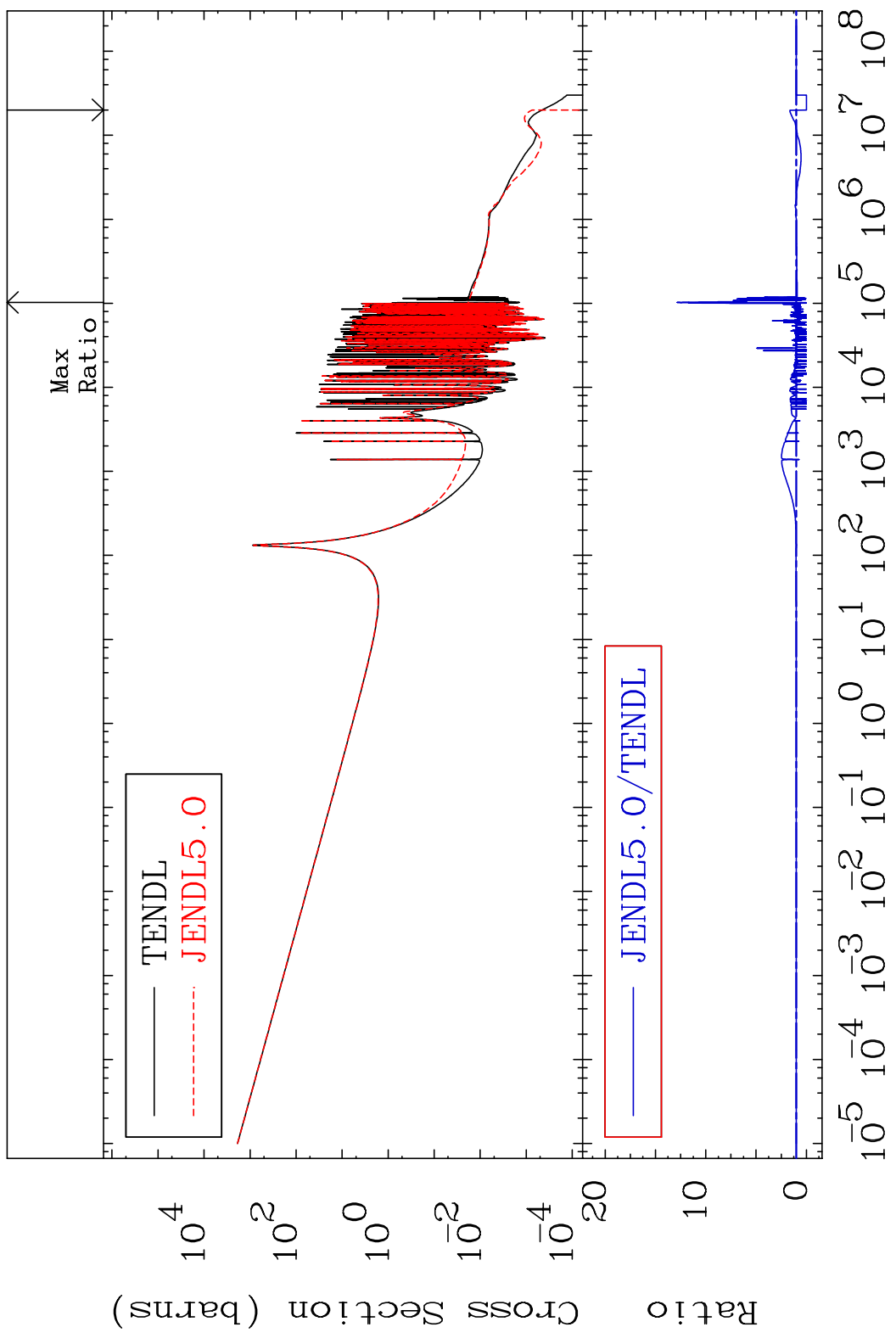


MAT 2725

(n,  $\gamma$ )

27-Co-59

Cross Section -100.0 To 1184. %

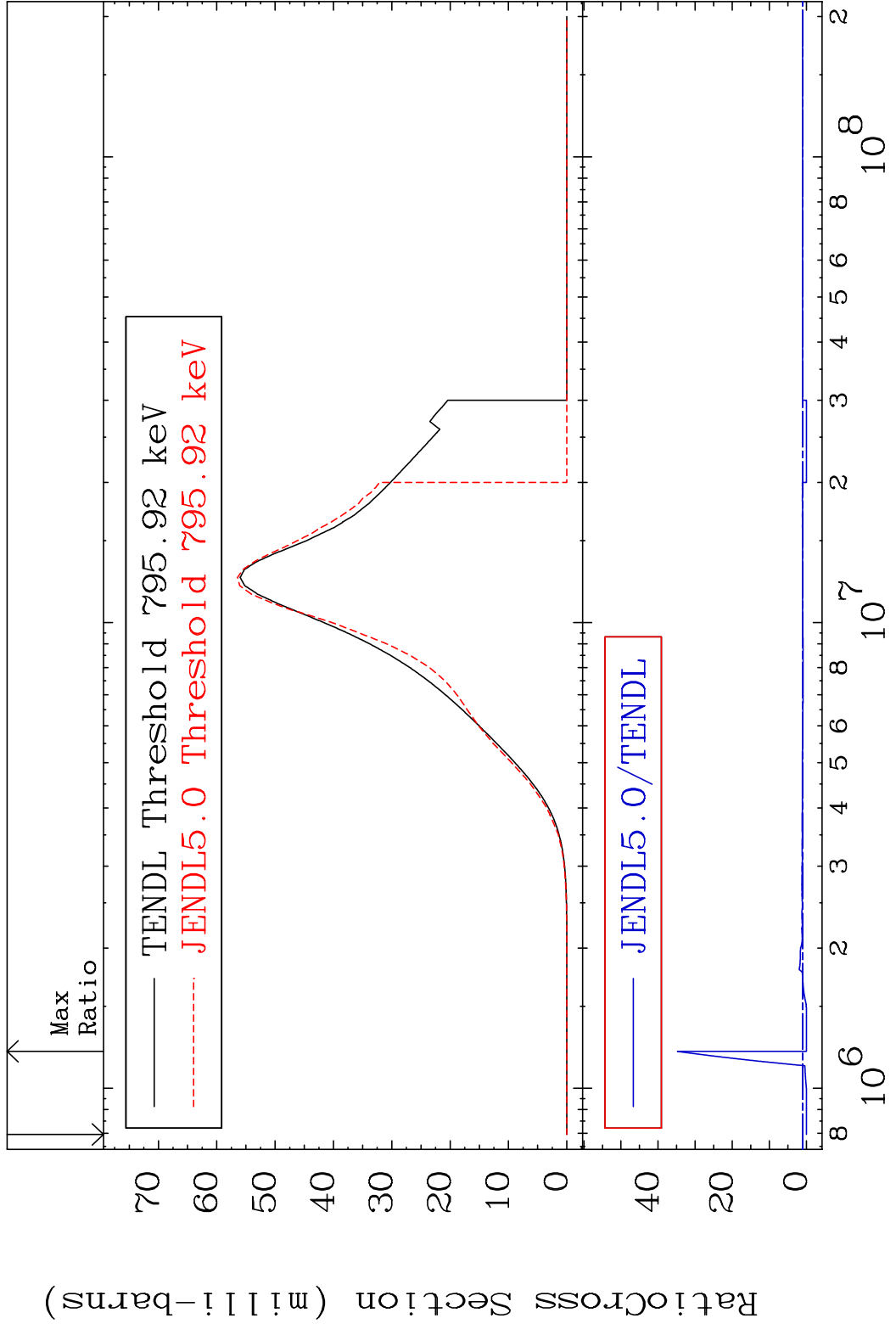


33

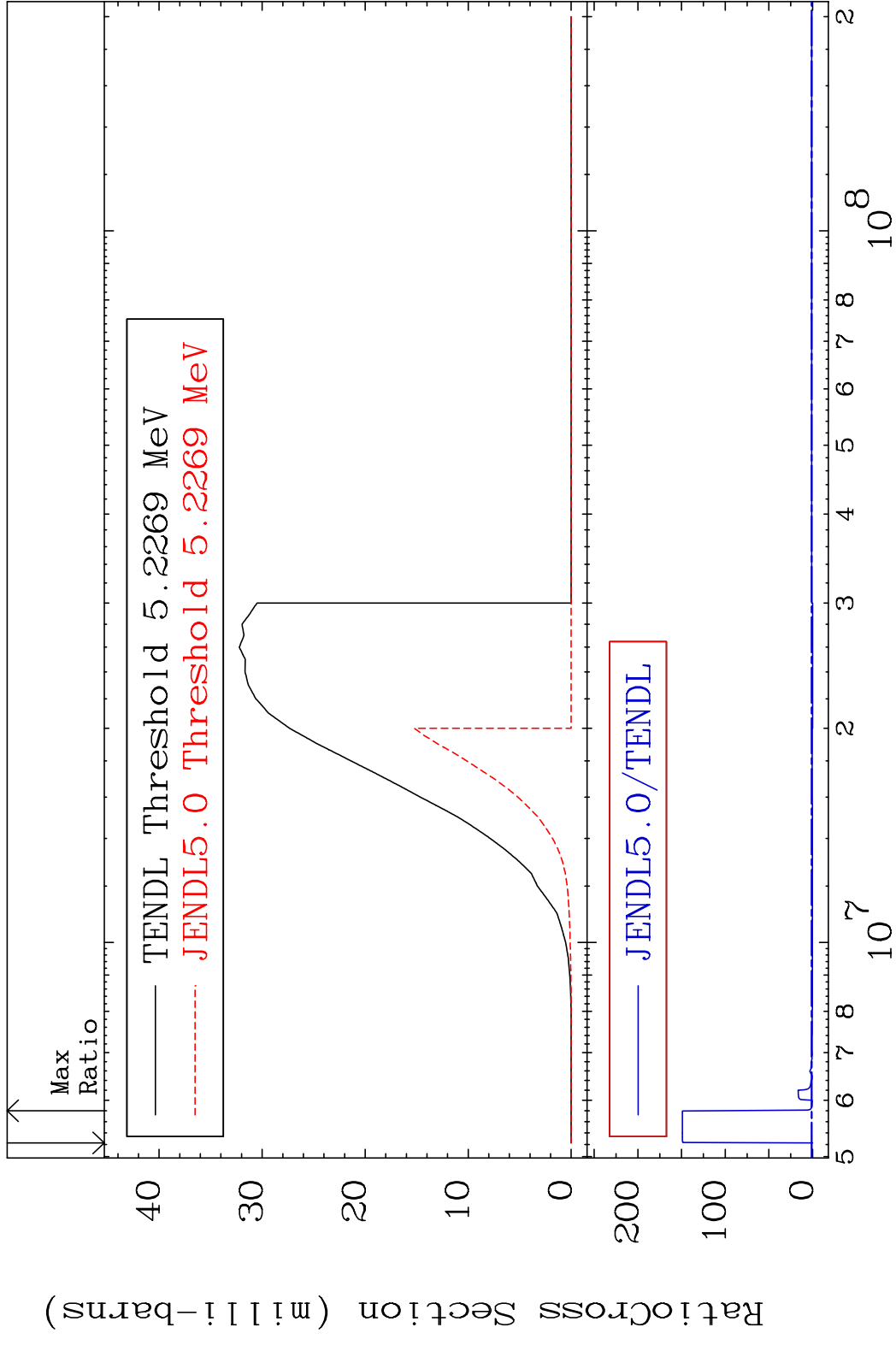
Incident Energy (eV)

27-Co-59

MAT 2725 (n,p) 27-Co-59  
 Cross Section -100.0 To 3384. %



MAT 2725 (n,d) 27-Co-59  
 Cross Section -100.0 To 9999. %

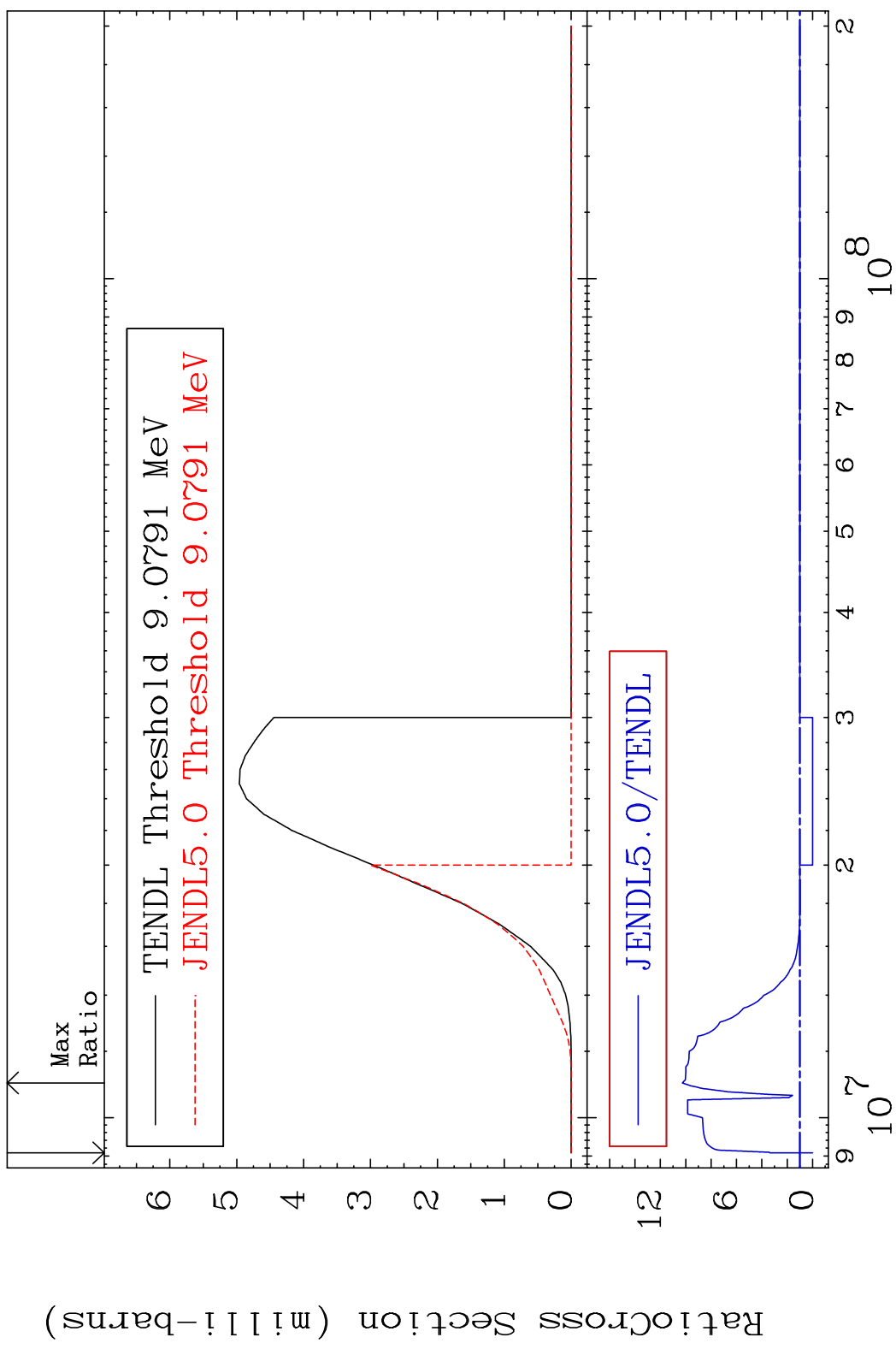


MAT 2725

(n, t)

27-Co-59

Cross Section -100.0 To 926.7 %

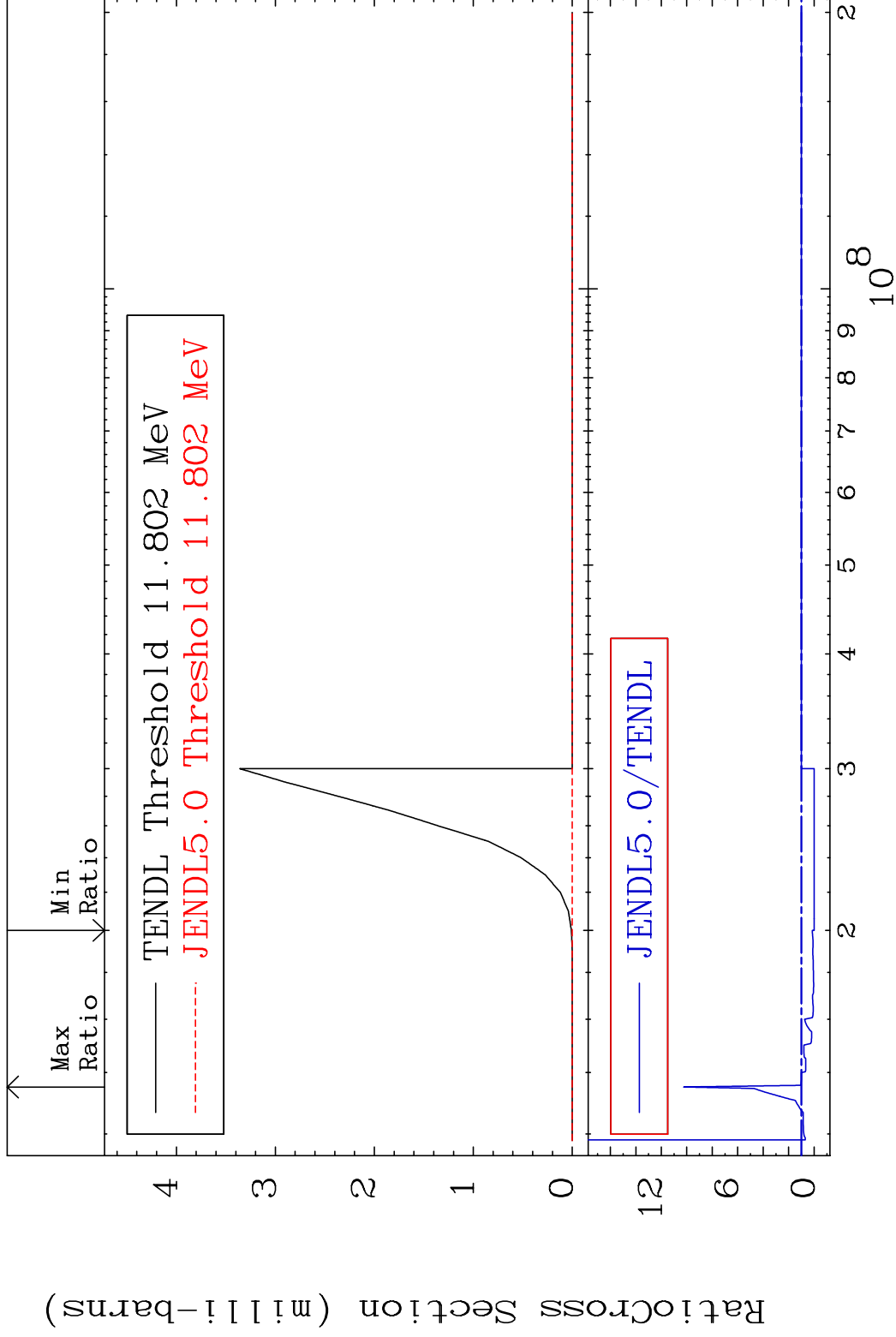


36

Incident Energy (eV)

27-Co-59

Cross Section -100.0 To 924.4 %

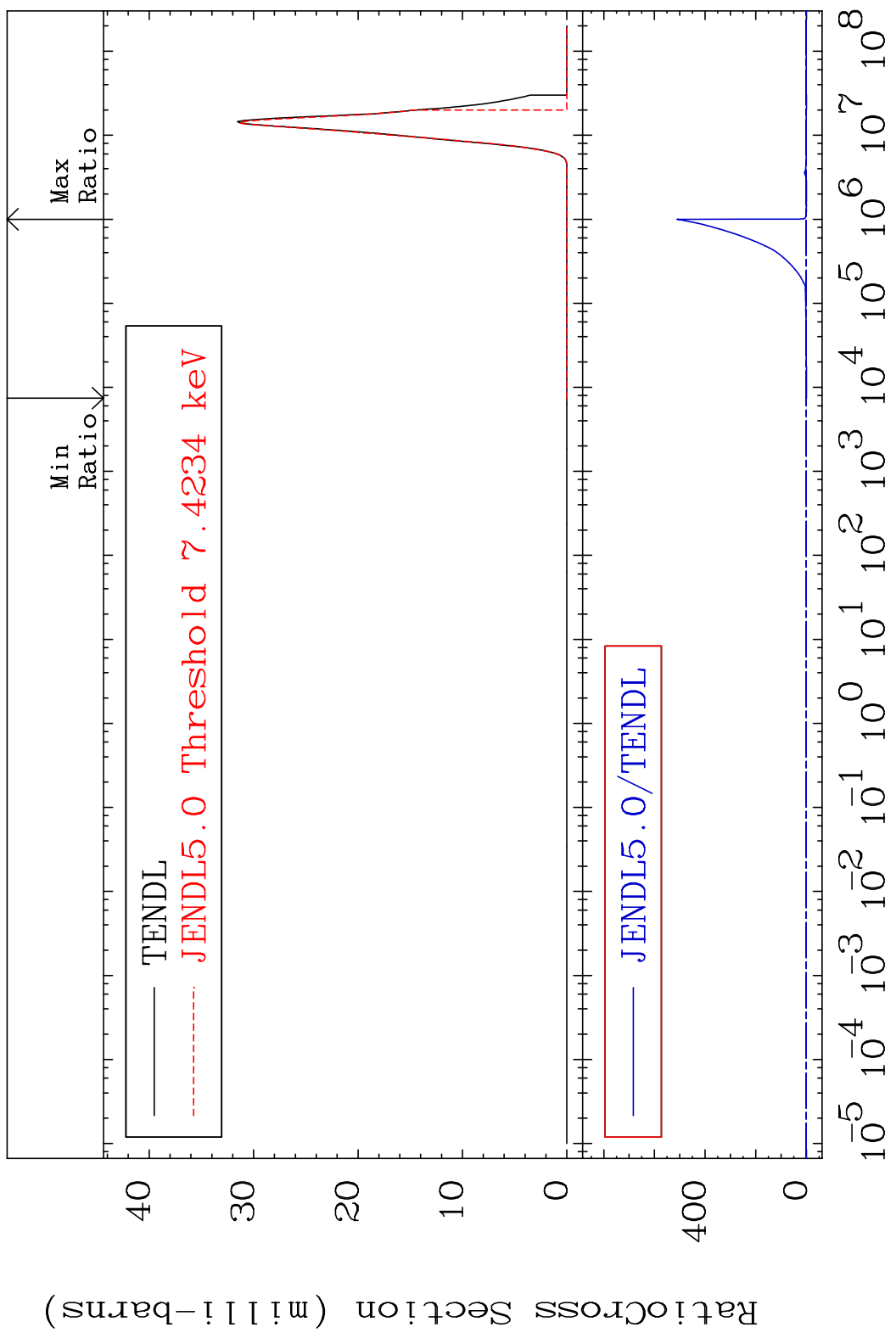


MAT 2725

(n,  $\alpha$ )

27-Co-59

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

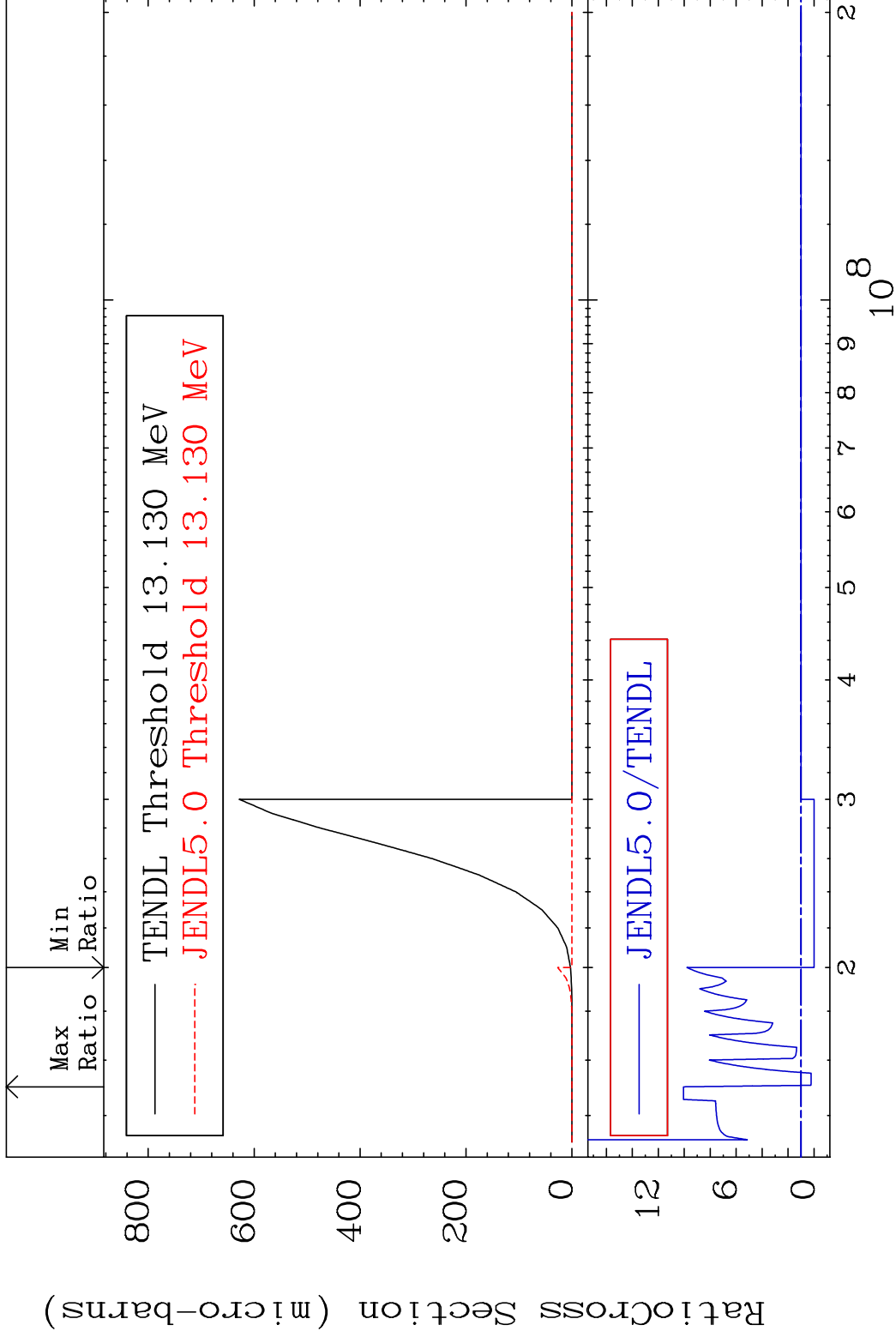
27-Co-59

MAT 2725

(n,2p)

27-Co-59

Cross Section -100.0 To 906.2 %



39

Incident Energy (eV)

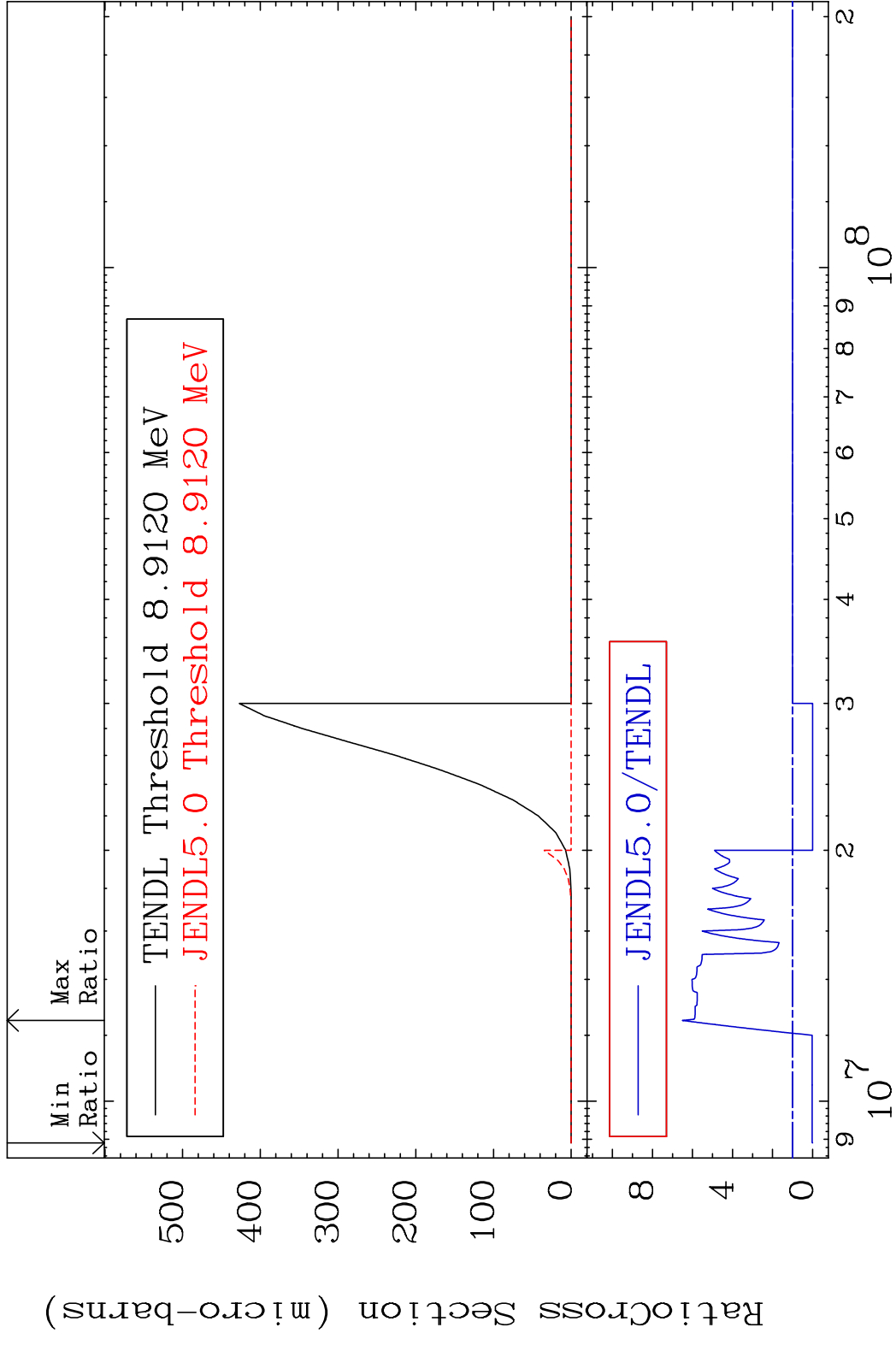
27-Co-59

MAT 2725

(n,p)  $\alpha$

27-Co-59

Cross Section -100.0 To 550.7 %

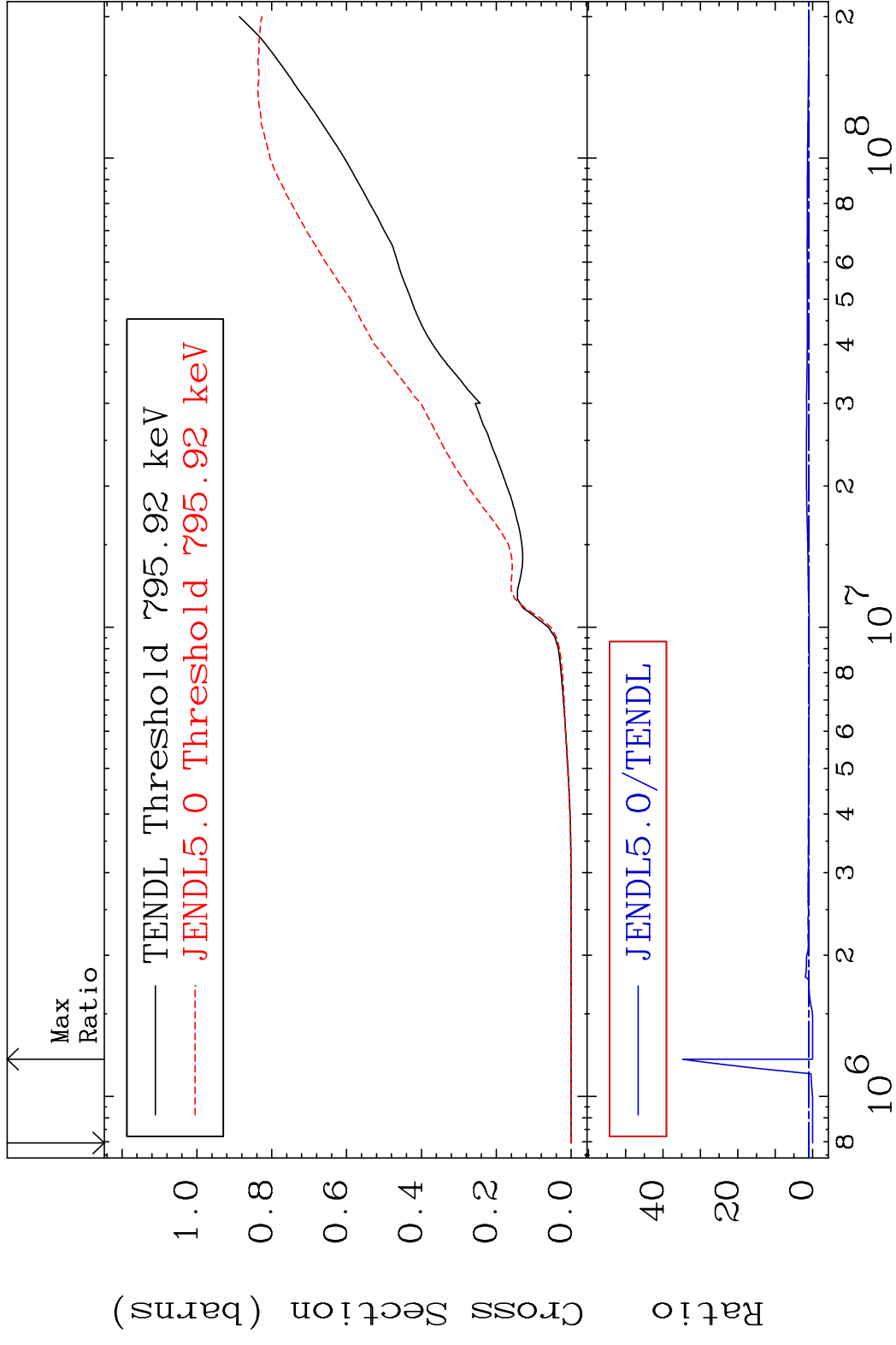


40

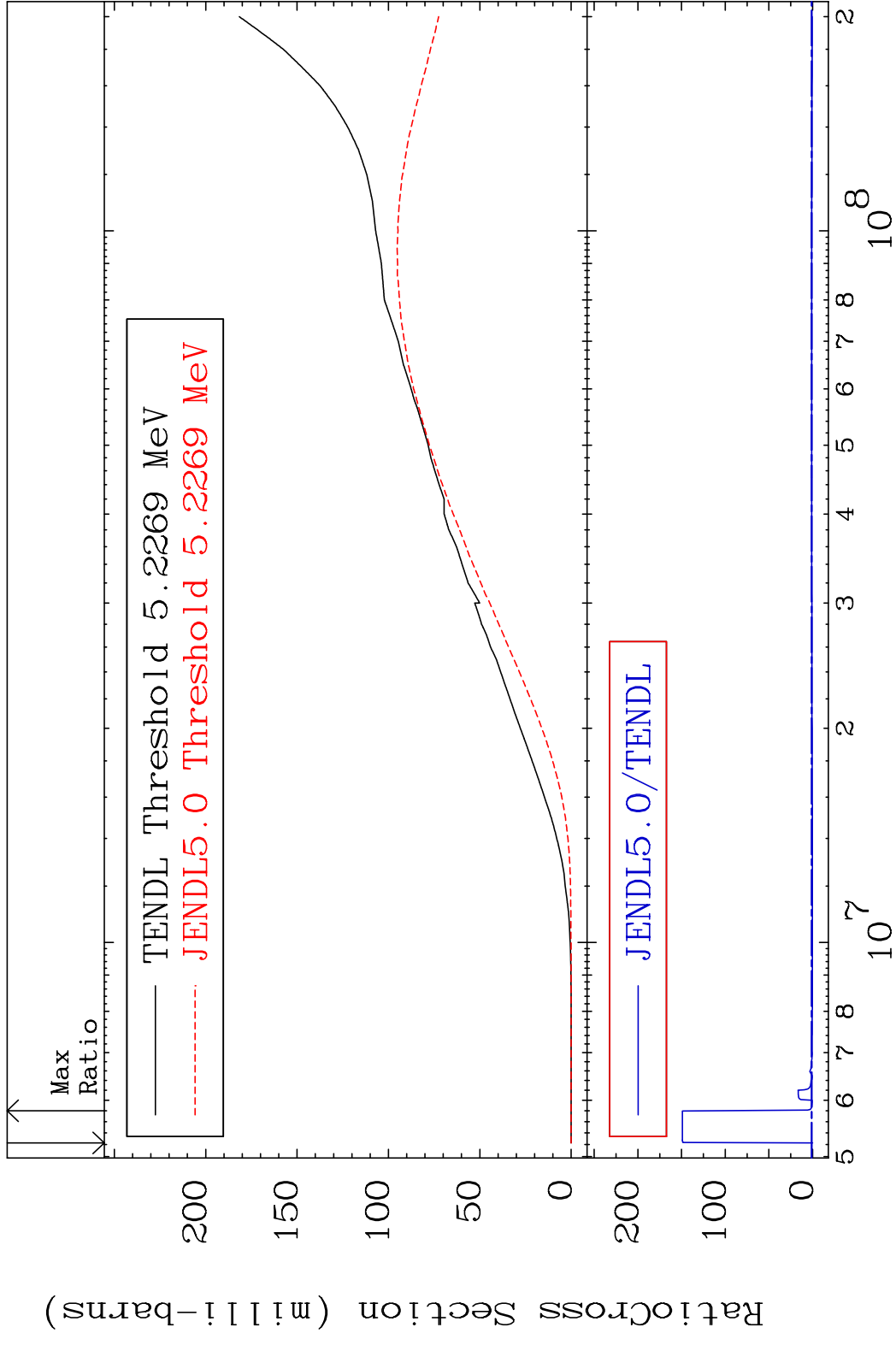
Incident Energy (eV)

27-Co-59

MAT 2725 Hydrogen Production 27-Co-59  
 Cross Section -100.0 To 3384. %

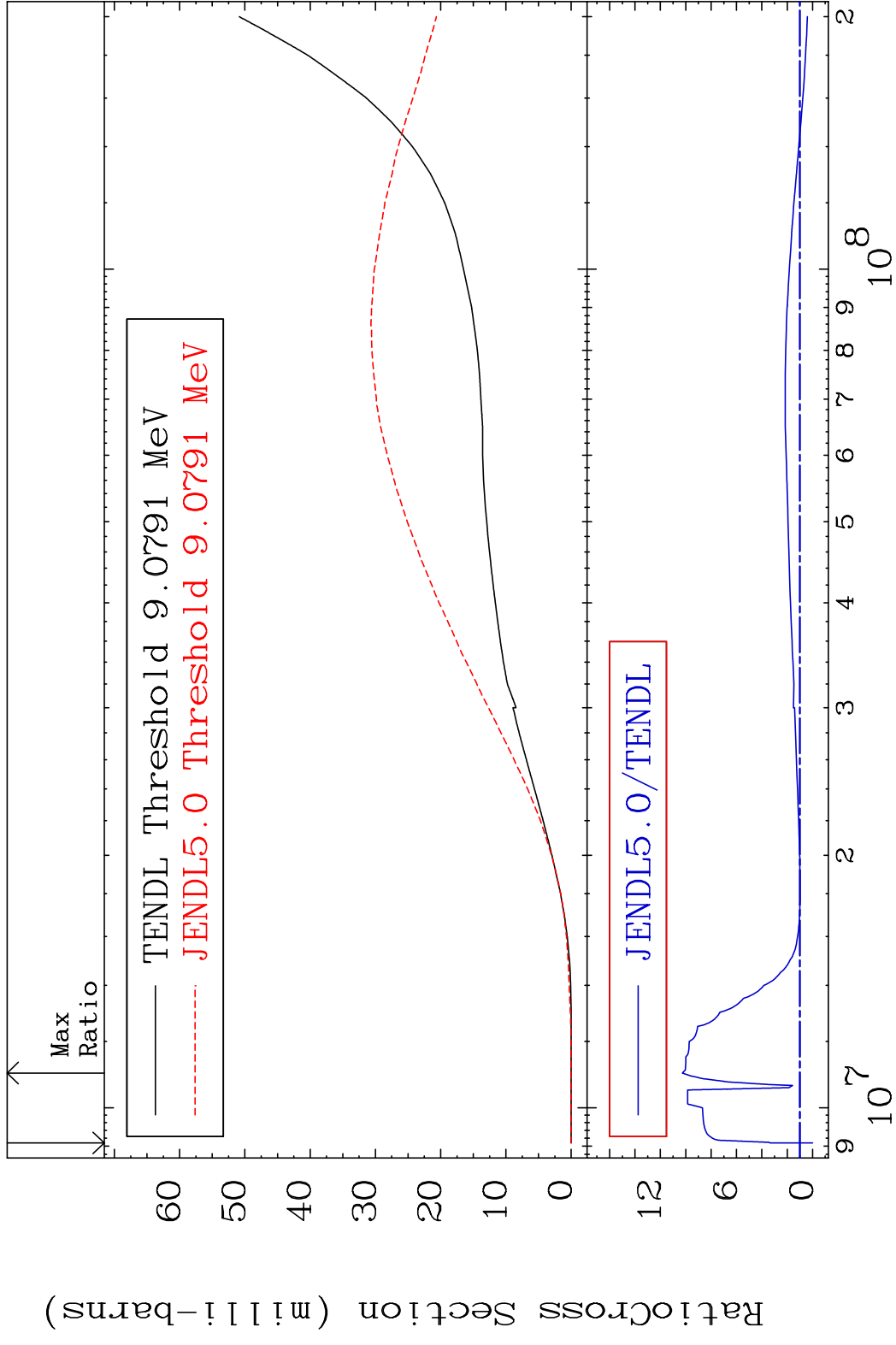


MAT 2725 Deuterium Production 27-Co-59  
 Cross Section -100.0 To 9999. %



MAT 2725

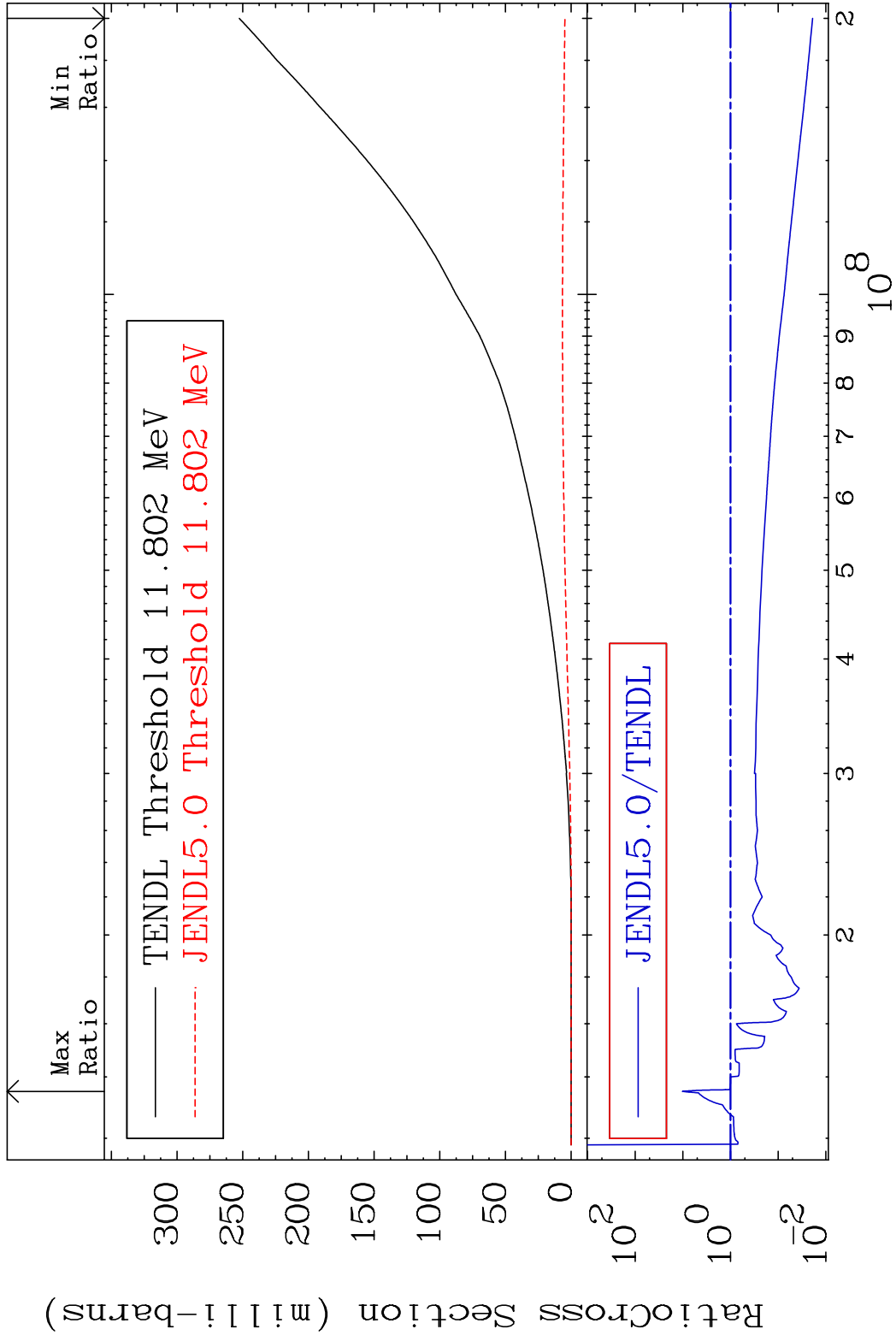
Tritium Production 27-Co-59  
Cross Section -100.0 To 926.7 %



43

27-Co-59

Cross Section -98.09 To 924.4 %

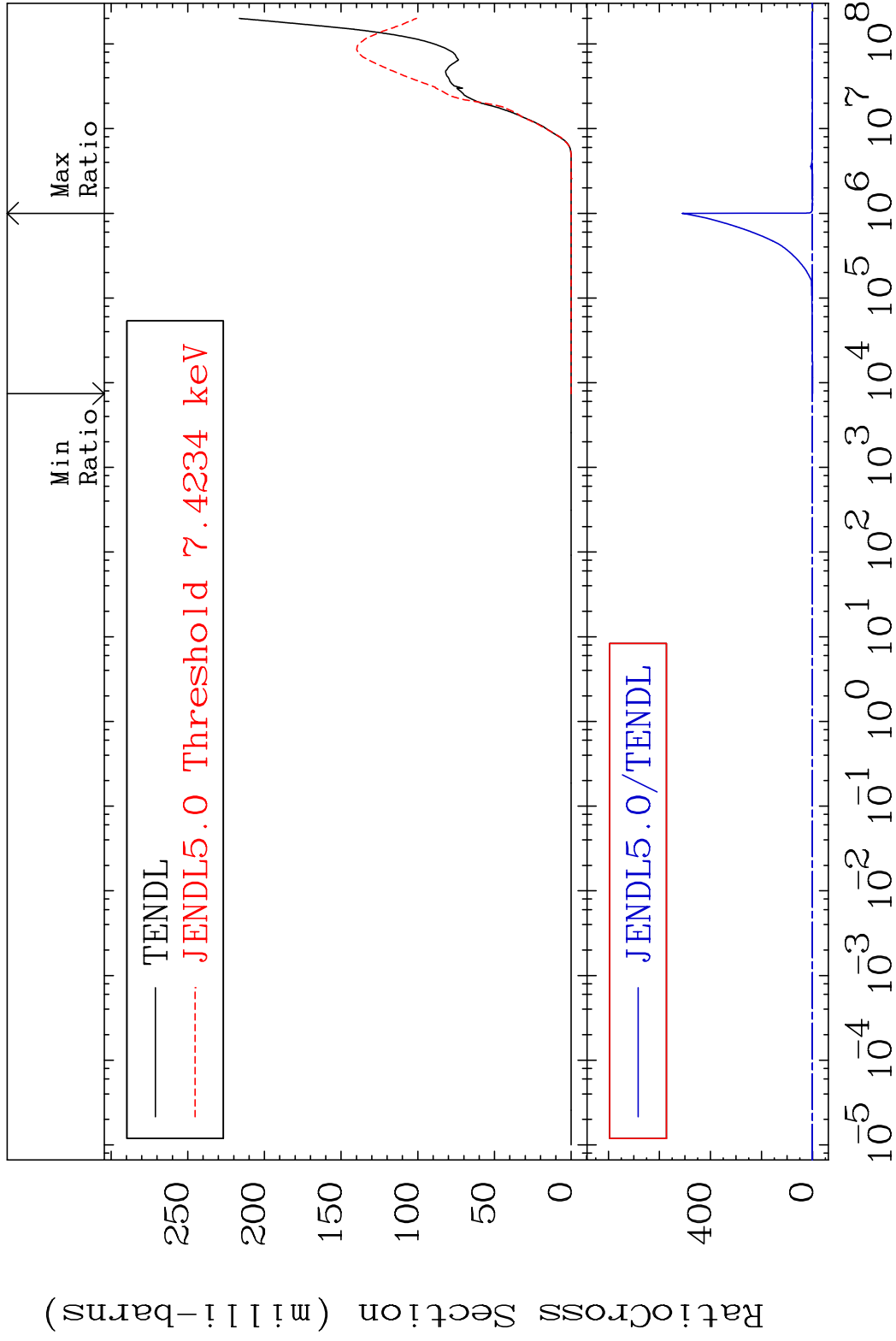


MAT 2725

He-4 Production

27-Co-59

Cross Section -100.0 To 9999. %

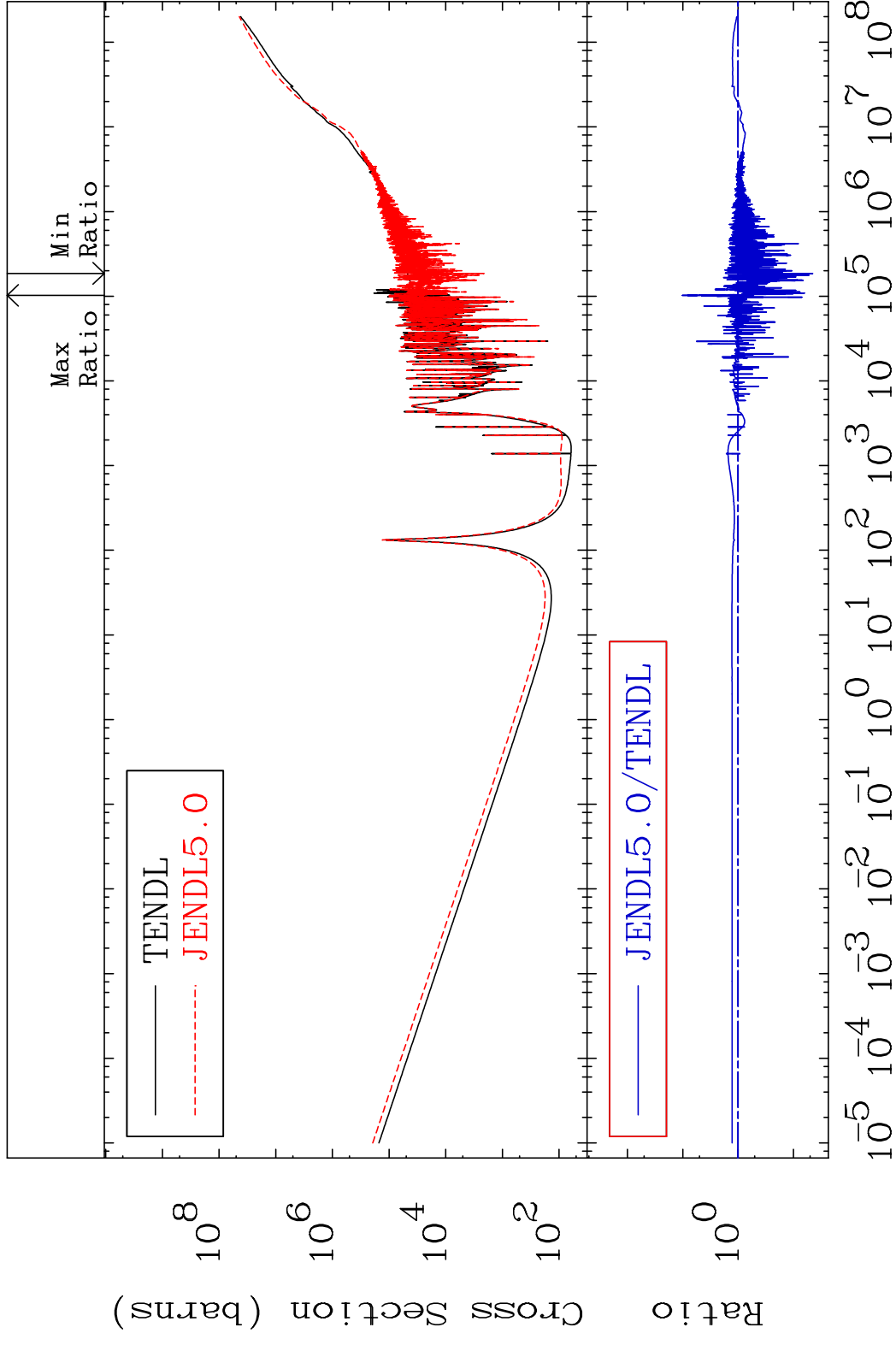


45

Incident Energy (eV)

27-Co-59

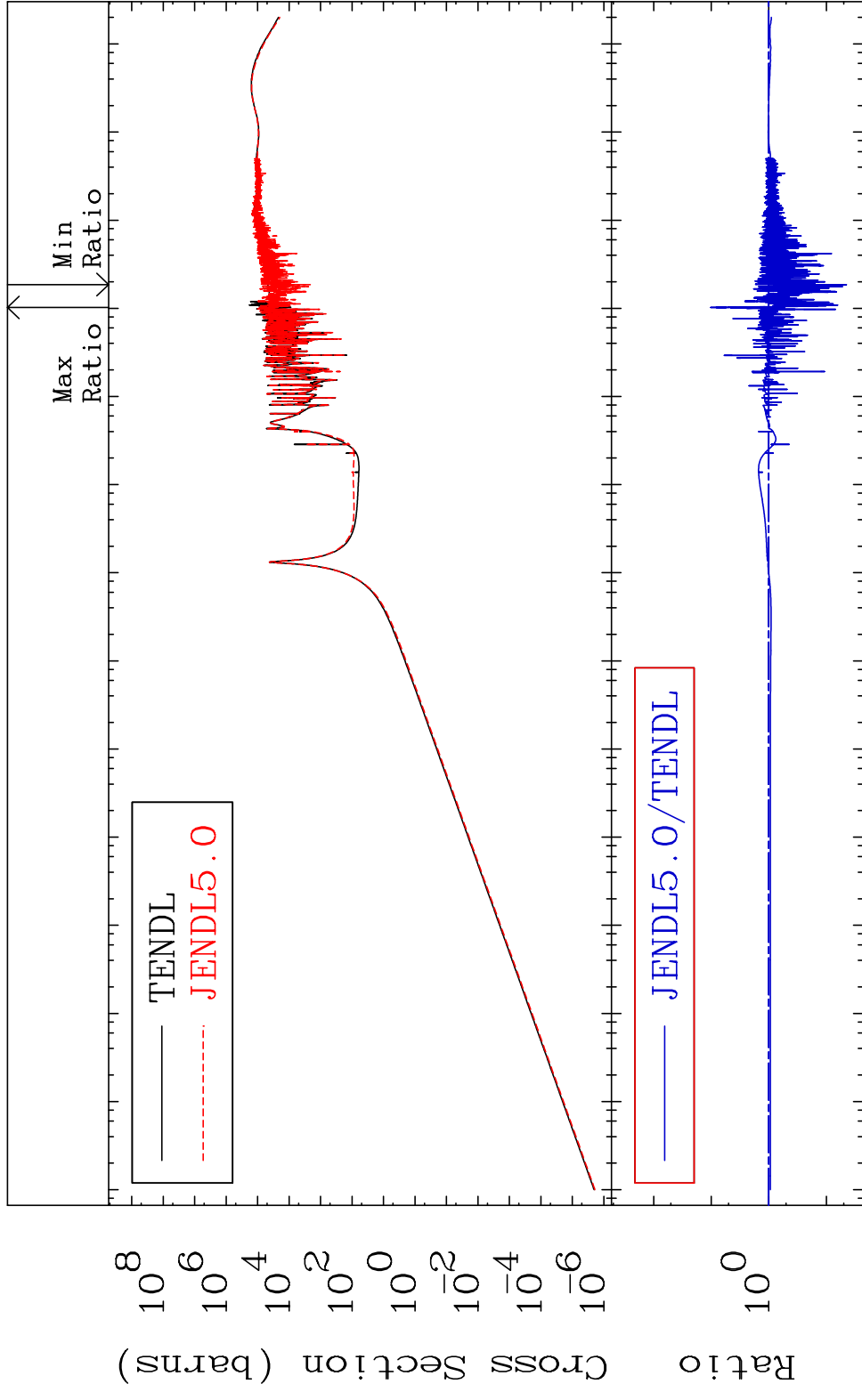
MAT 2725 Kerma total (eV-barns) 27-Co-59  
 Cross Section -95.50 To 919.5 %



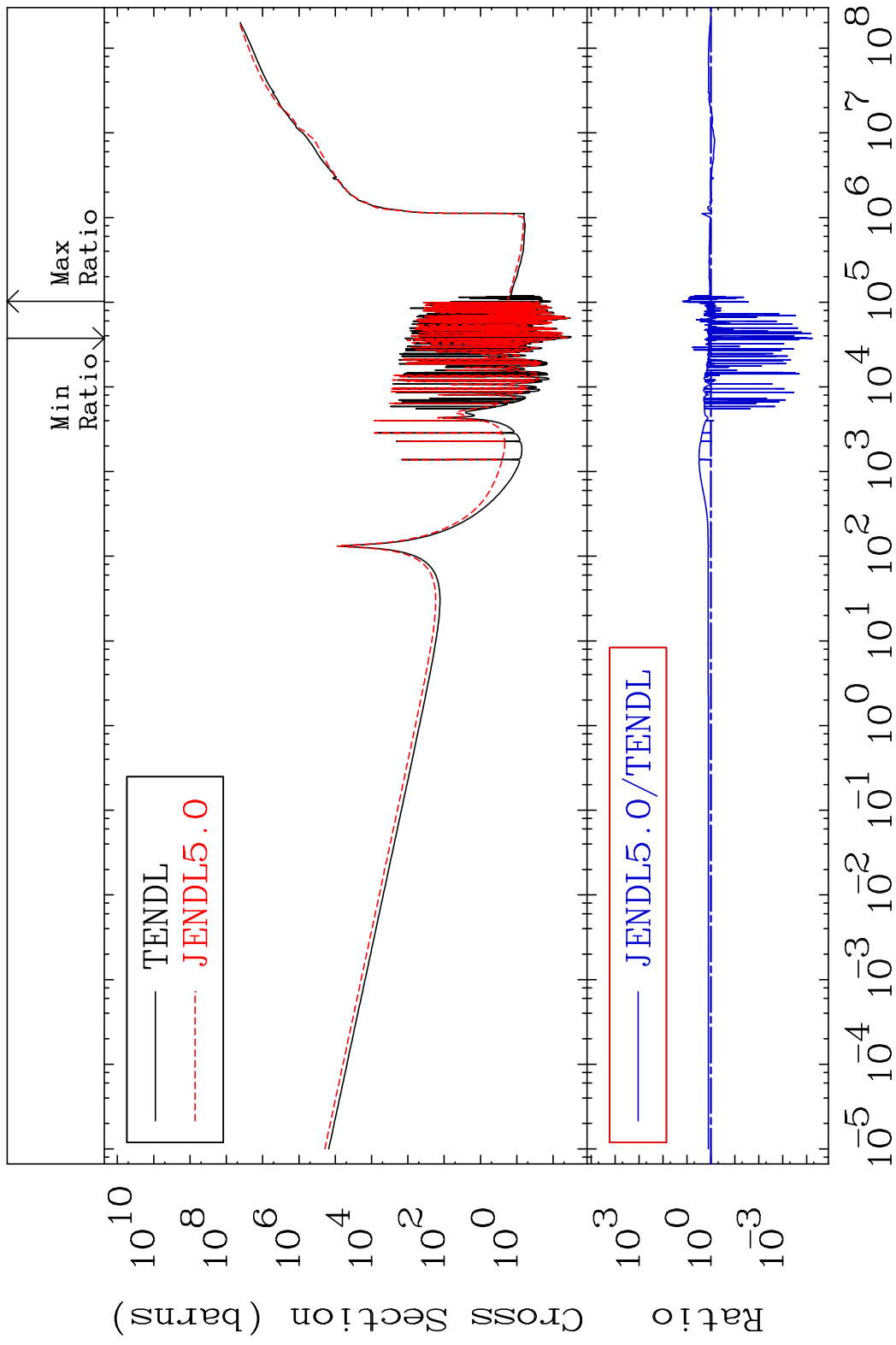
MAT 2725

Kerma elastic  
Cross Section

27-Co-59  
-95.51 To 919.5 %

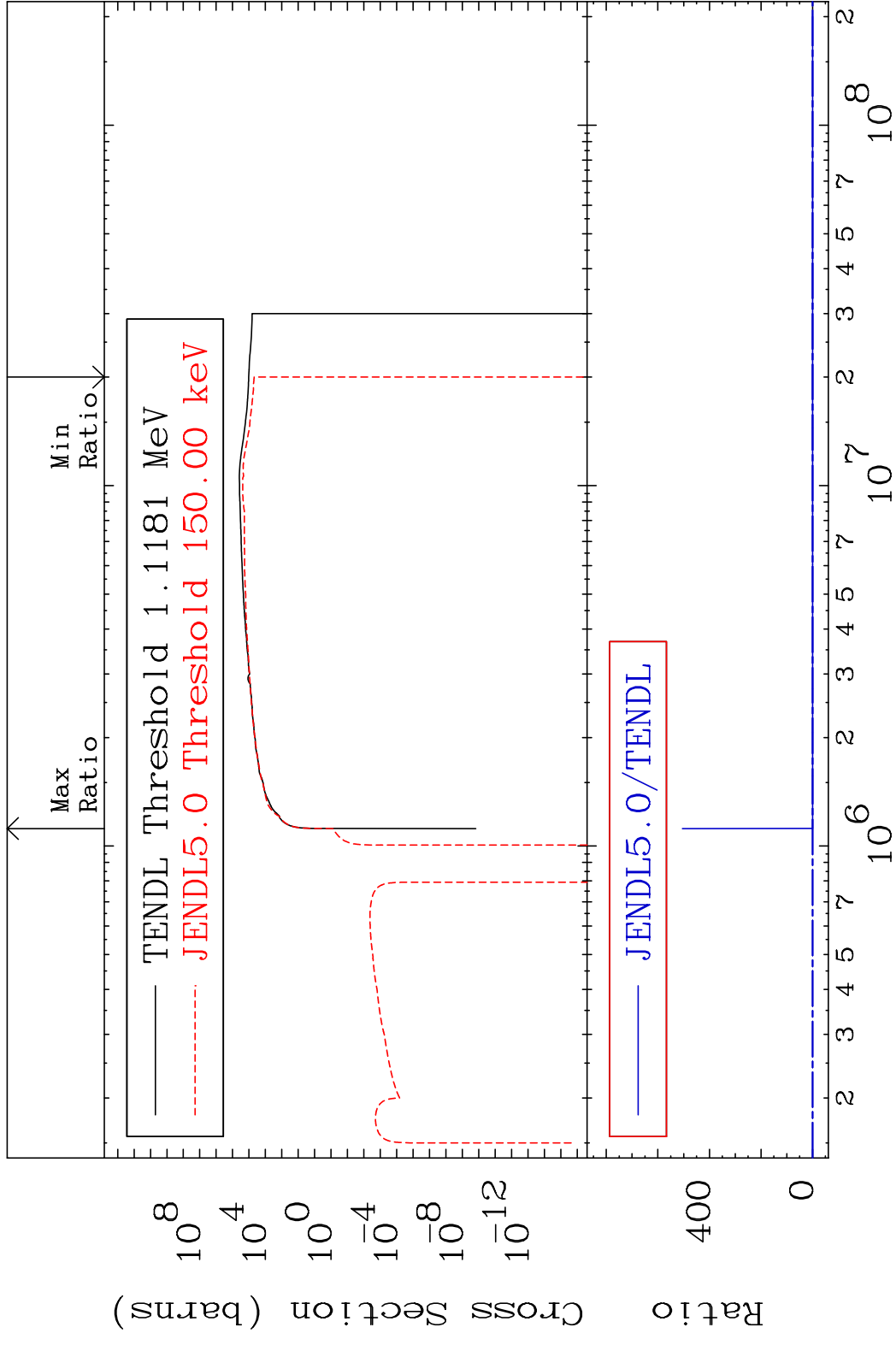


MAT 2725 Kerma non-elastic (all but mt2) 27-Co-59  
 Cross Section -99.99 To 1461. %

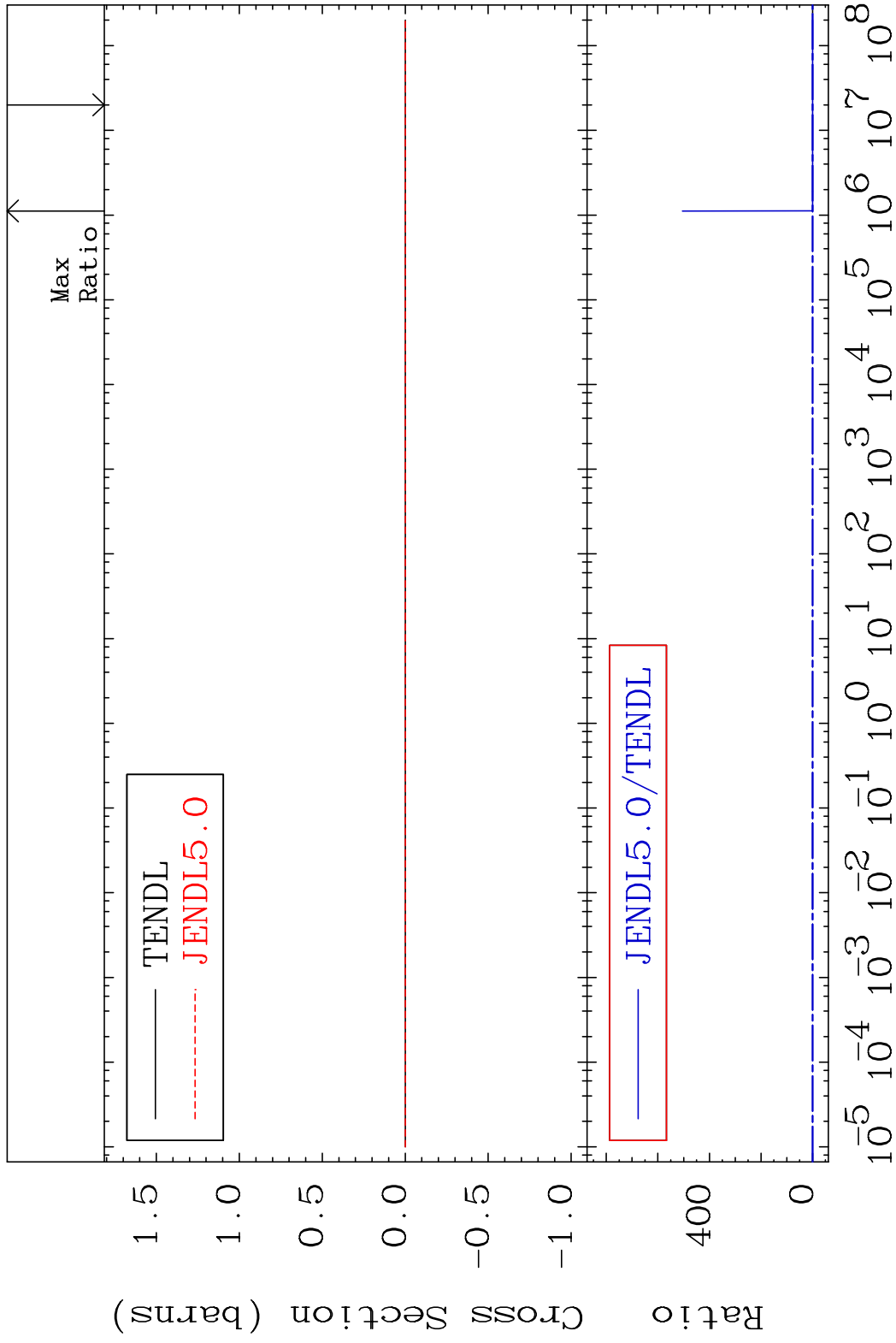


MAT 2725

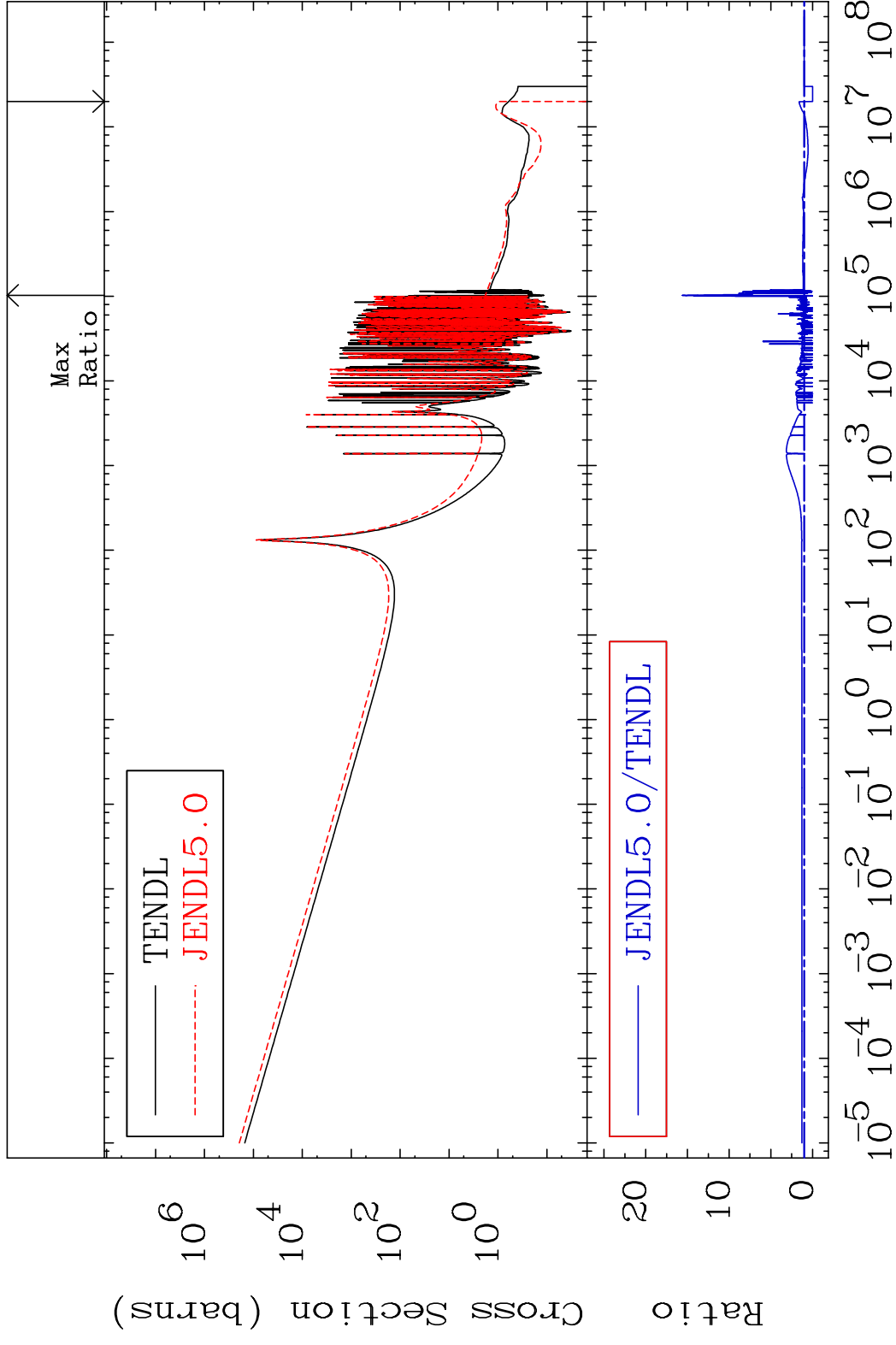
Kerma inelastic (mt51-91) 27-Co-59  
Cross Section -100.0 To 9999. %



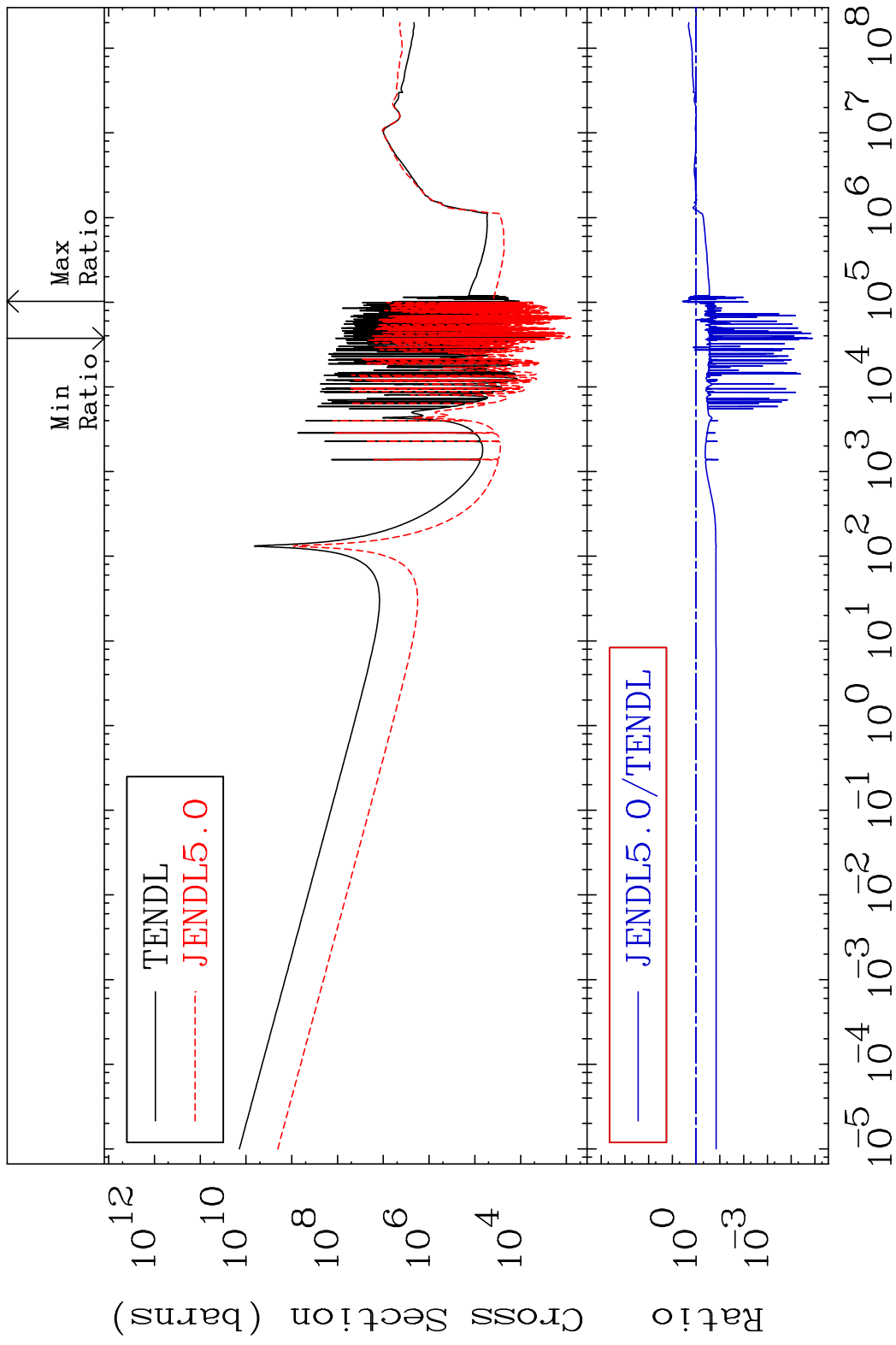
MAT 2725 Kerma fission (mt18 or mt19-20-21-38) 27-Co-59  
 Cross Section -100.0 To 9999. %



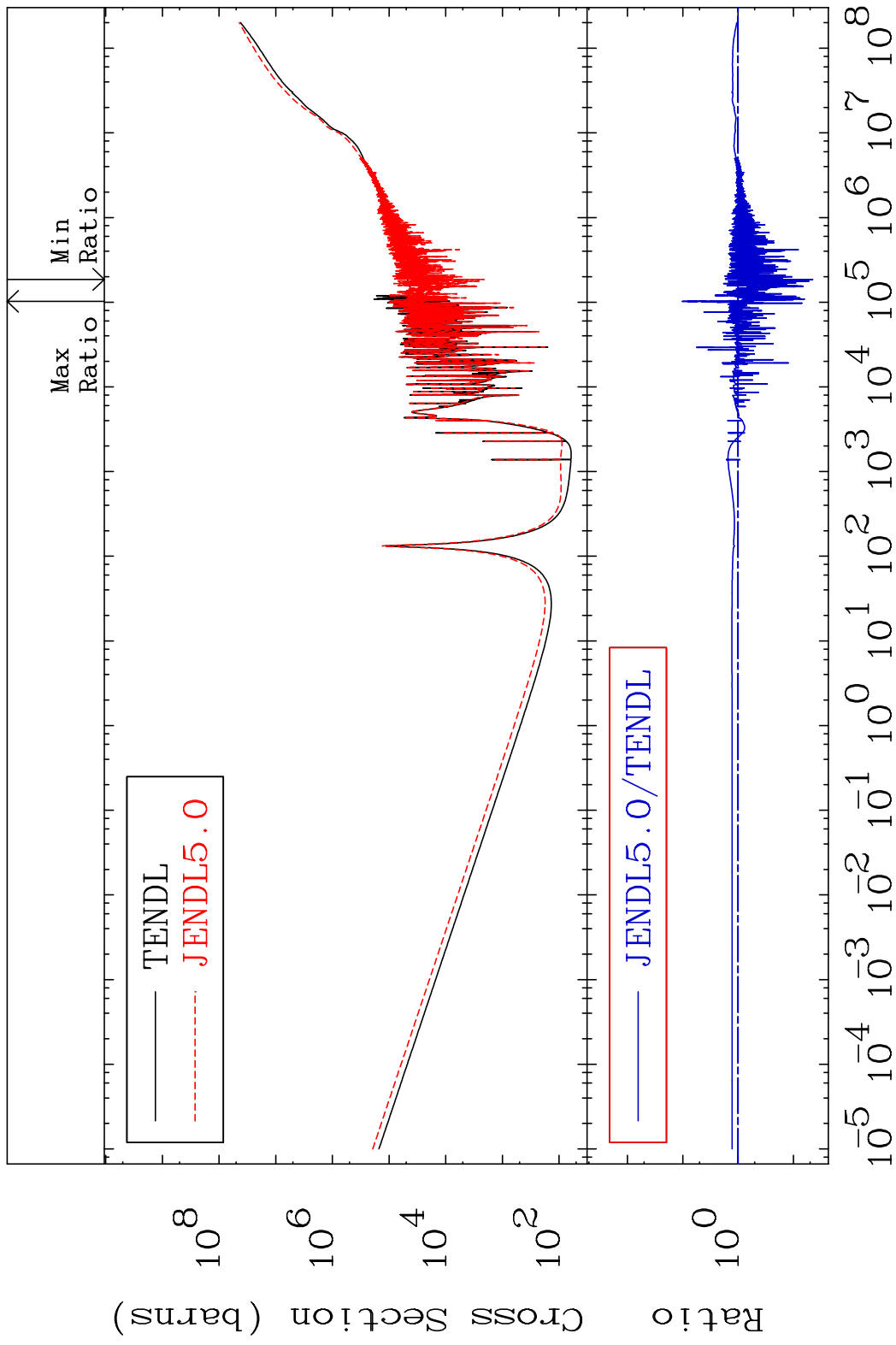
MAT 2725 Kerma capture (mt102) 27-Co-59  
 Cross Section -100.0 To 1461. %



MAT 2725 Total photon (eV-barns) 27-Co-59  
 Cross Section -100.0 To 280.2 %



MAT 2725 Total kinematic kerma (high limit) 27-Co-59  
 Cross Section -95.50 To 919.5 %

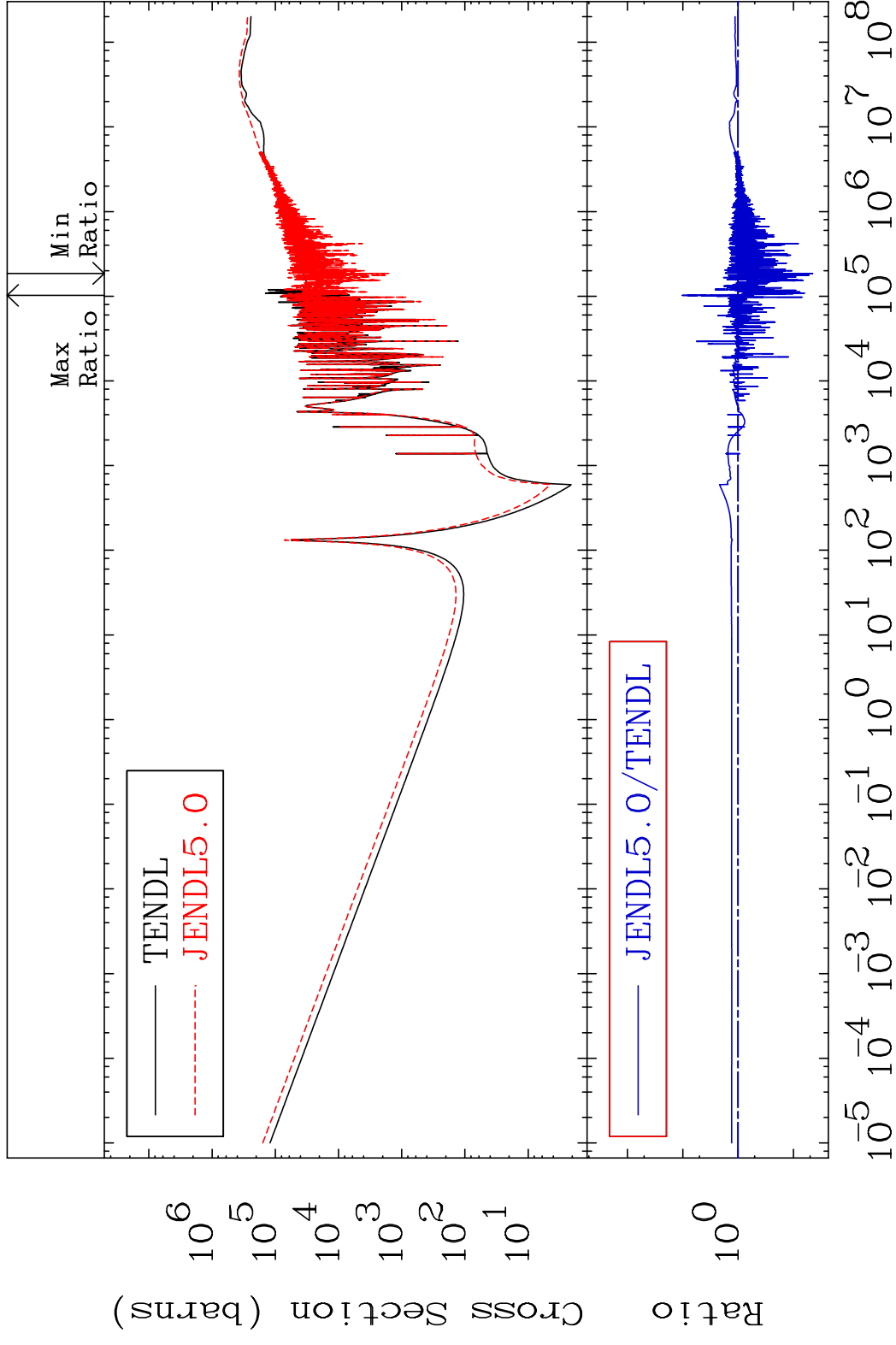


MAT 2725

Dpa total (eV-barns)

27-Co-59

Cross Section -95.50 To 919.5 %

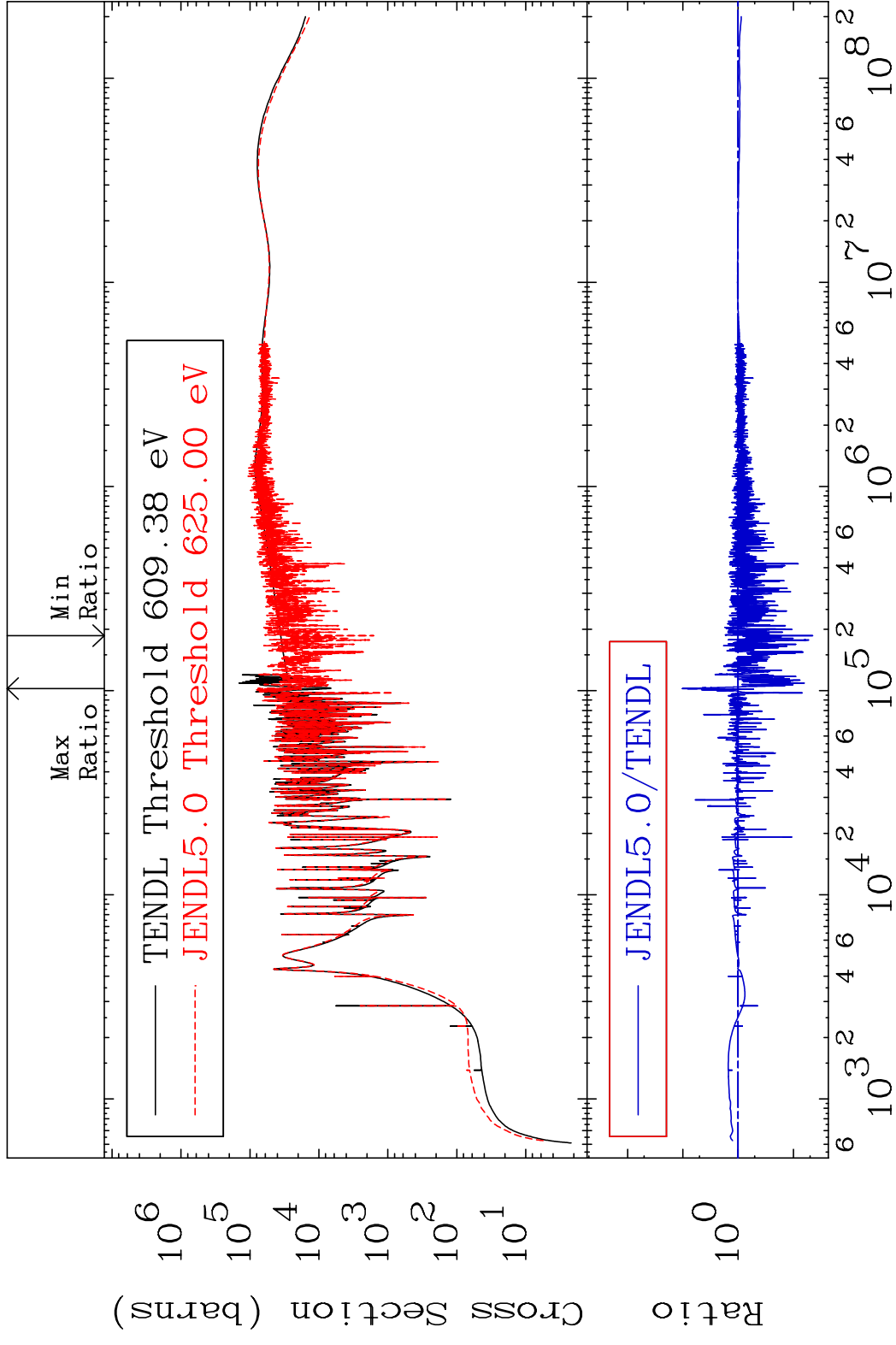


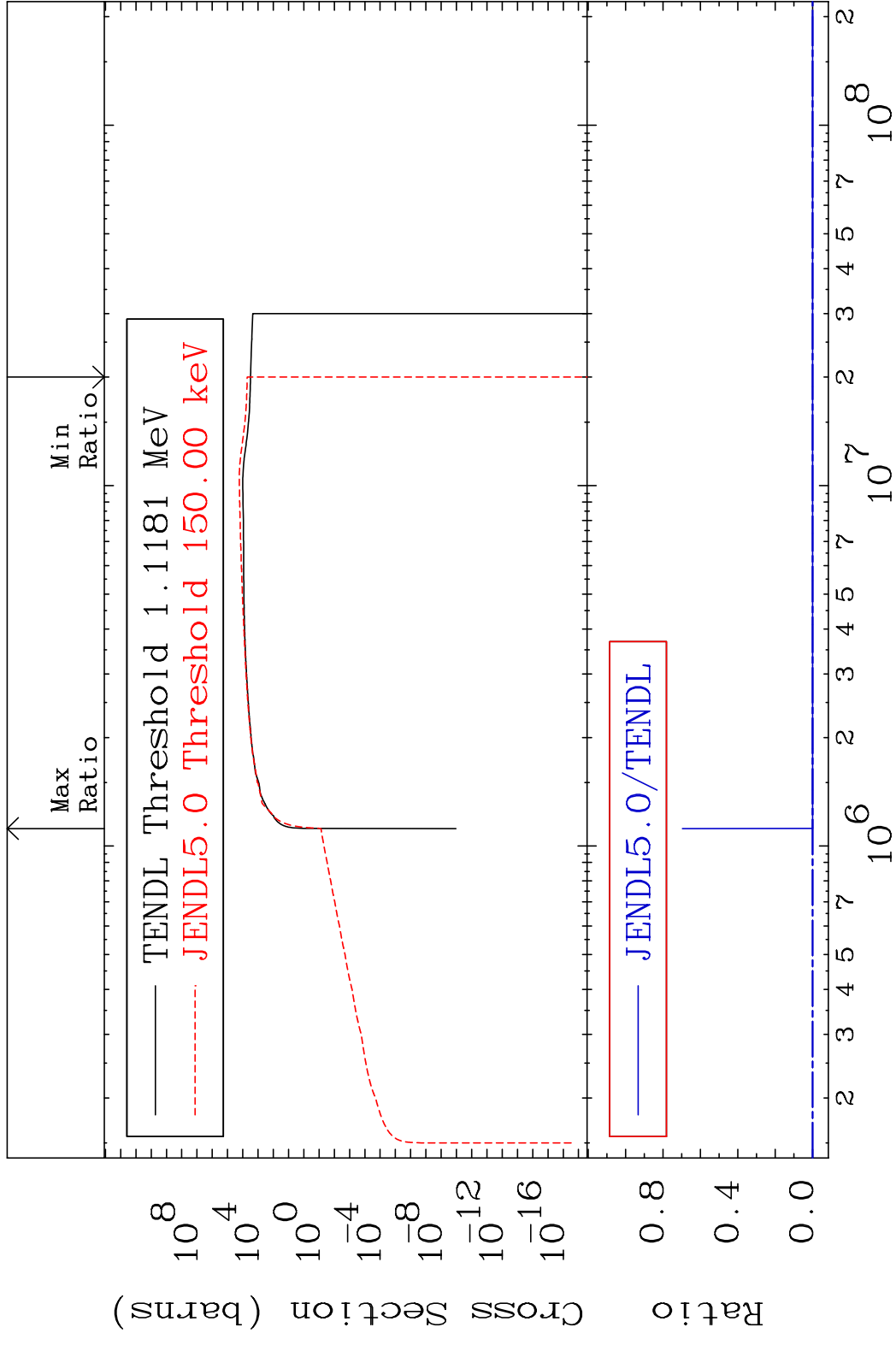
MAT 2725

Dpa elastic (mt2)

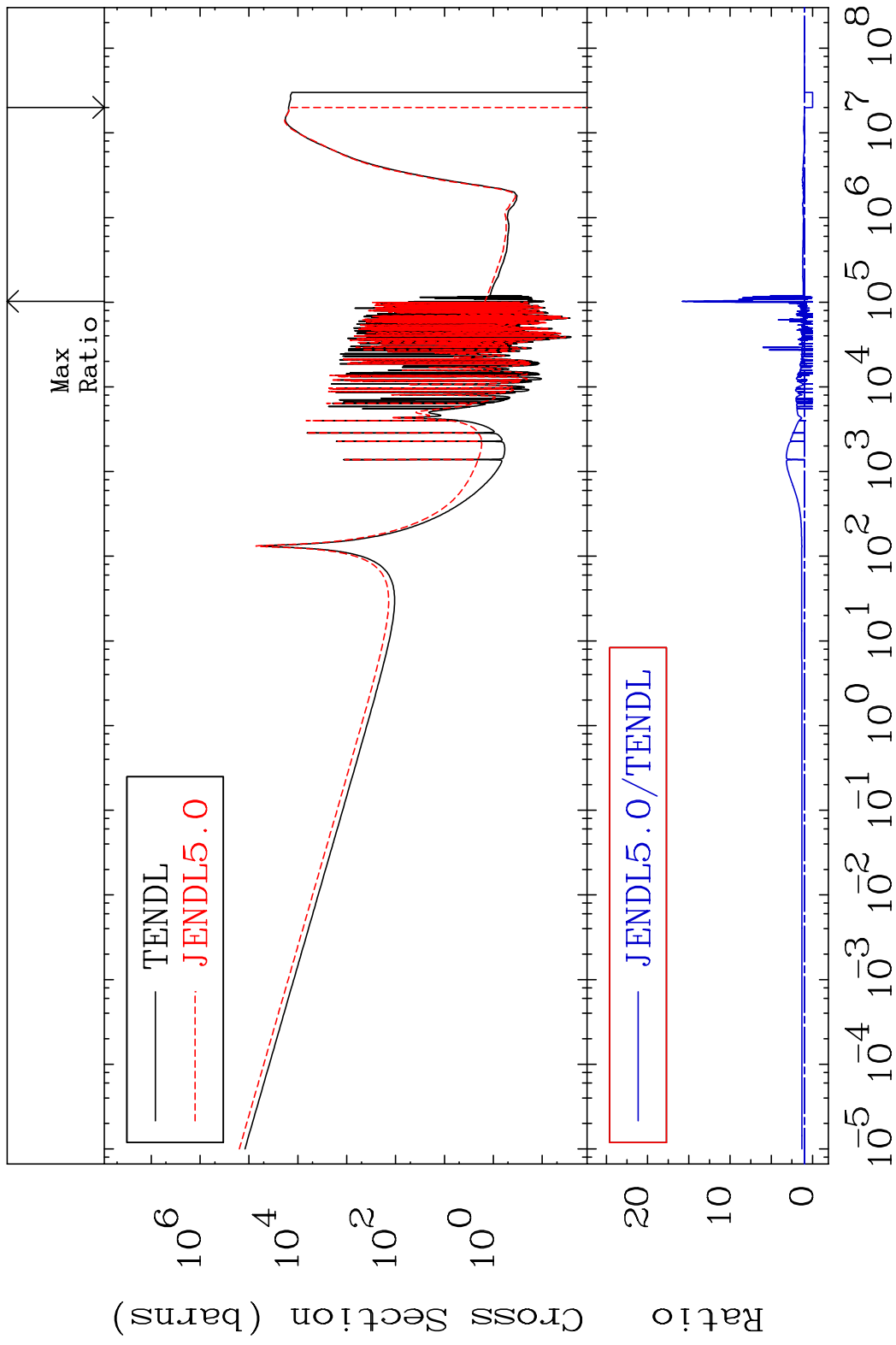
27-Co-59

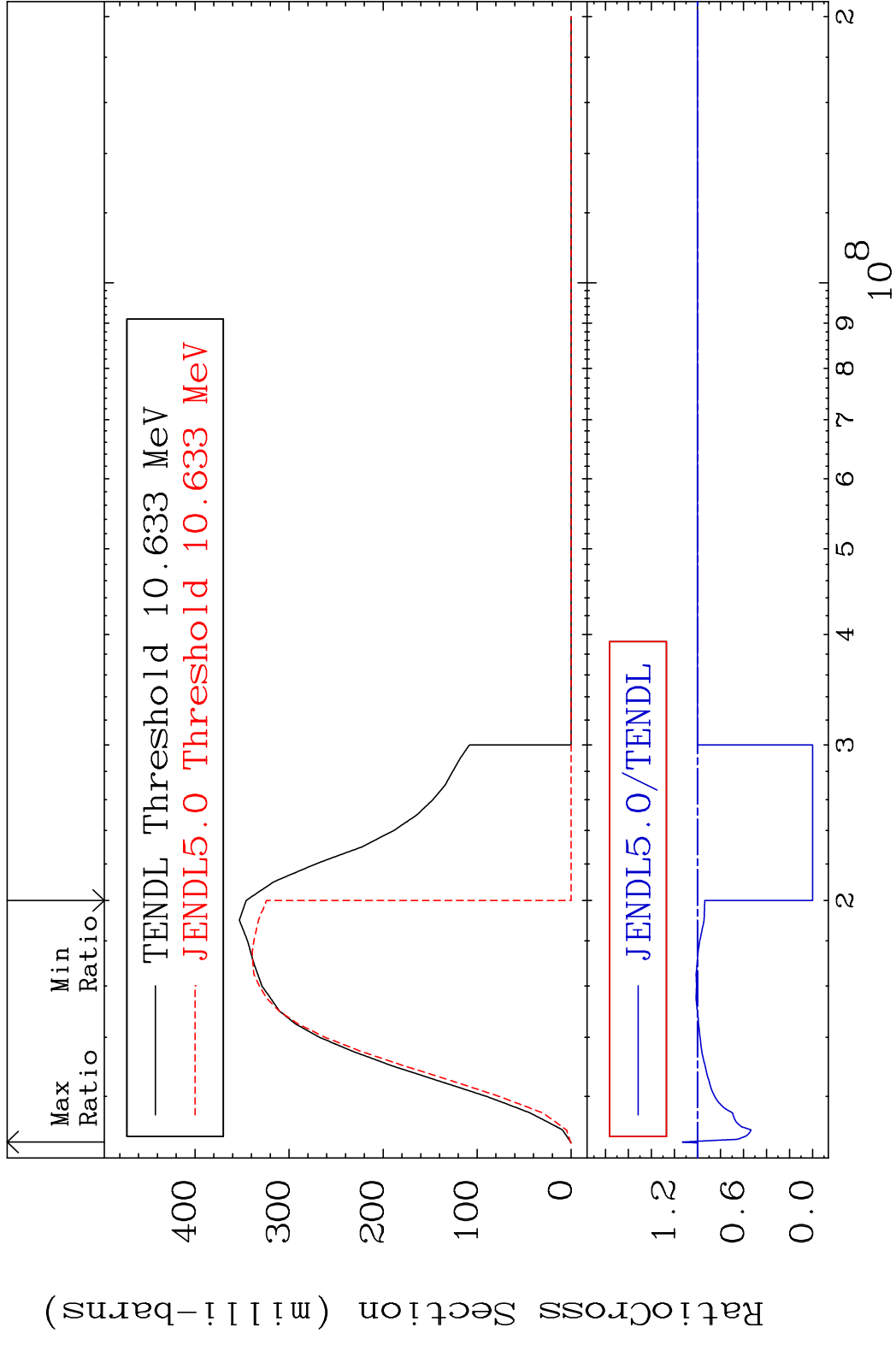
Cross Section -95.51 To 919.5 %





MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59  
 Cross Section -100.0 To 1479. %





MAT 2725 (n,2n):27-Co-58m1 27-Co-59  
 Radionuclide Production Cross Section 180.01 dth 12.27 %

