

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

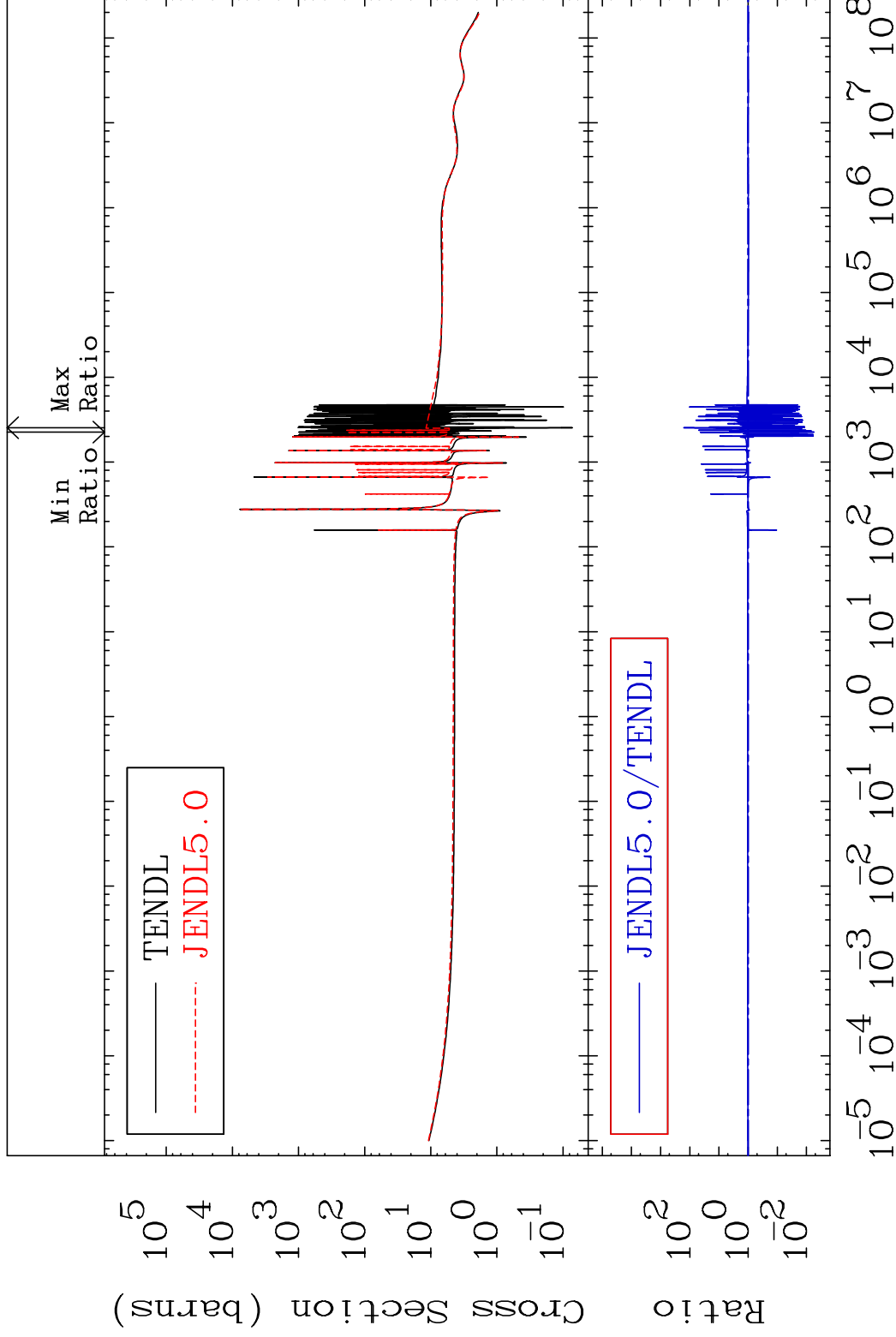
MAT 5031

Total

50-Sn-114

Cross Section

-99.45 To 9999. %



1

Incident Energy (eV)

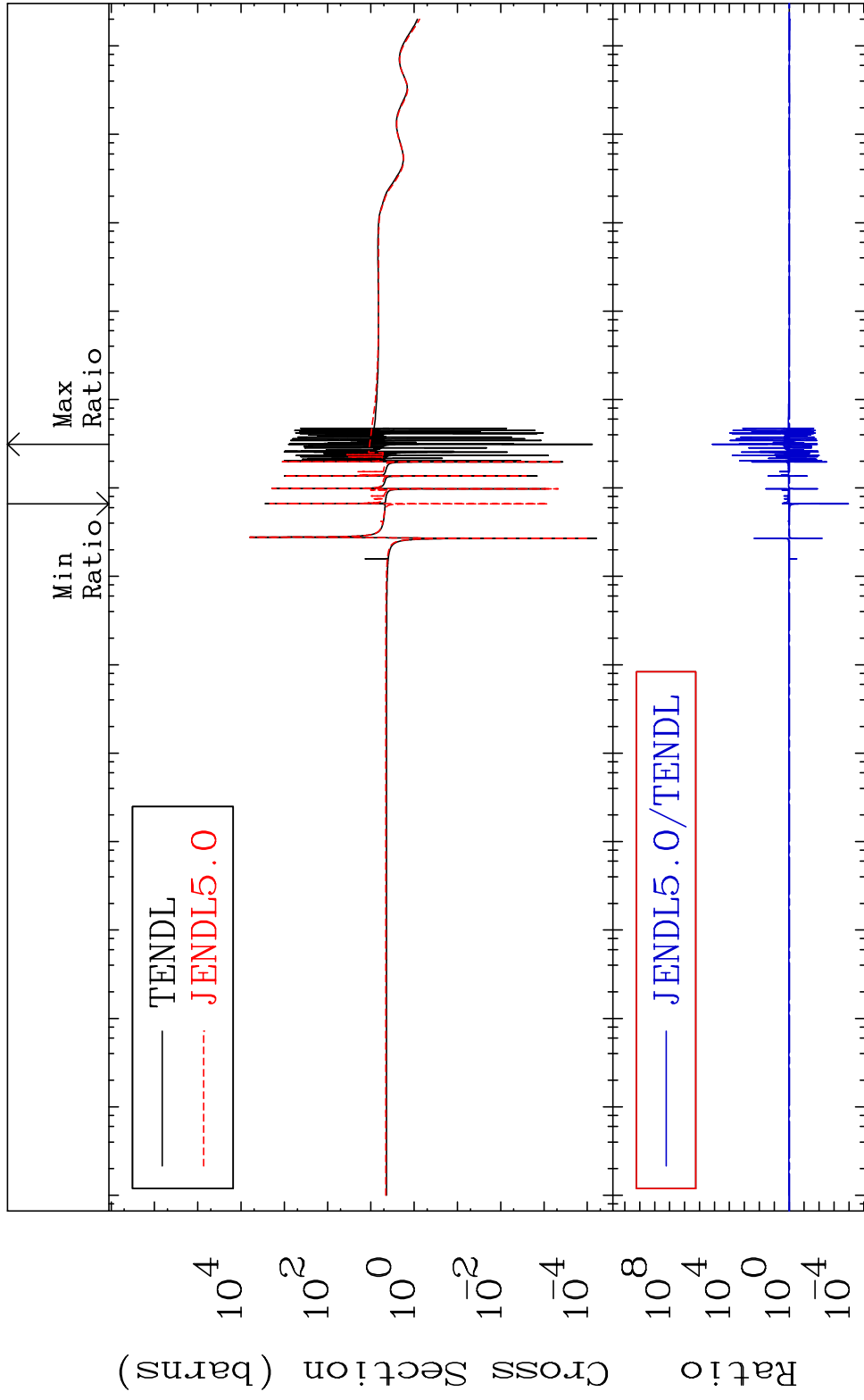
50-Sn-114

MAT 5031

Elastic

50-Sn-114

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>

2

Incident Energy (eV)

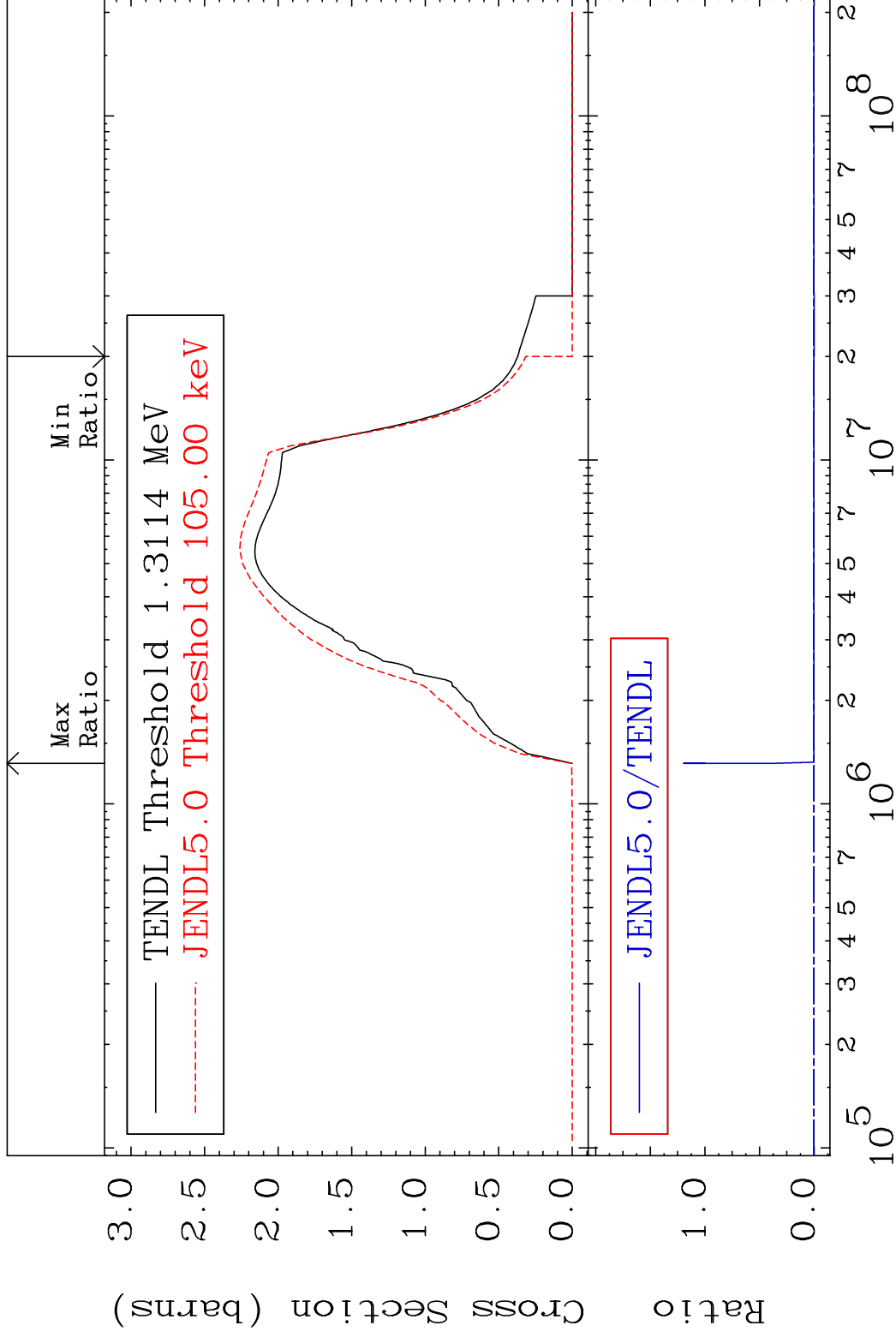
50-Sn-114

MAT 5031

Inelastic

50-Sn-114

Cross Section -100.0 To 9999. %

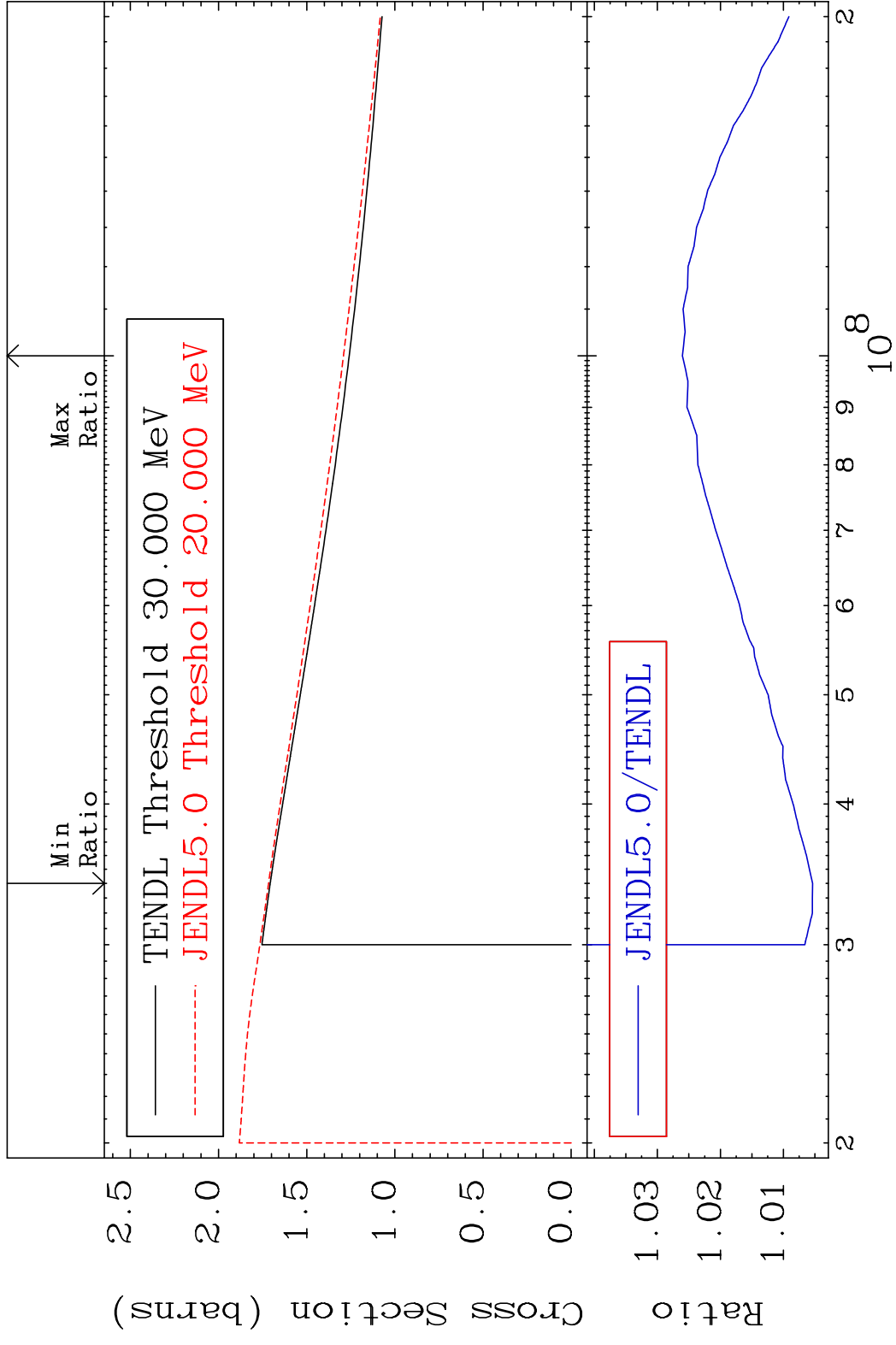


3

Incident Energy (eV)

50-Sn-114

MAT 5031 (n, remainder) 50-Sn-114  
 Cross Section 0.538 To 2.603 %



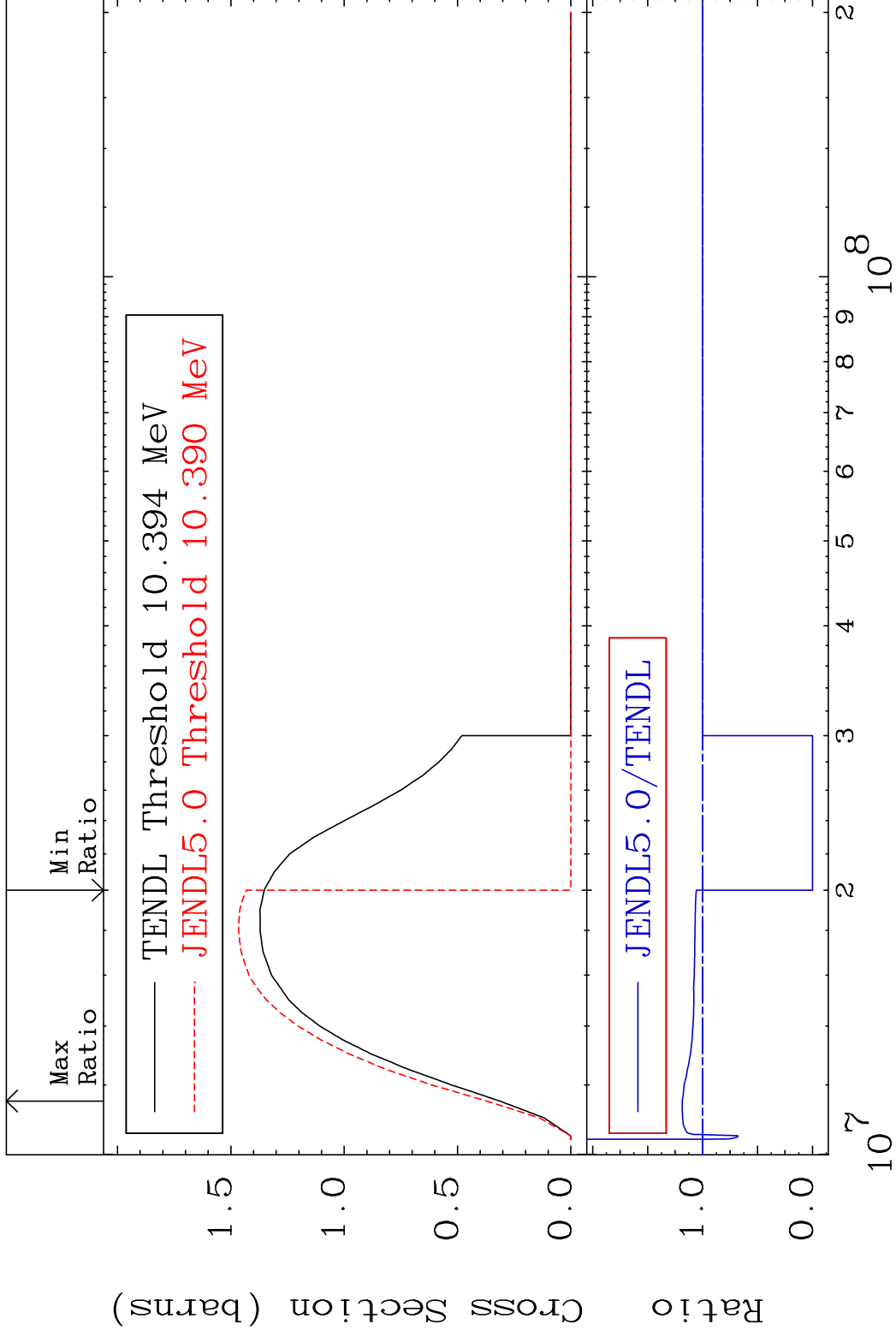
4 Incident Energy (eV) 50-Sn-114

MAT 5031

(n,2n)

50-Sn-114

Cross Section -100.0 To 18.58 %

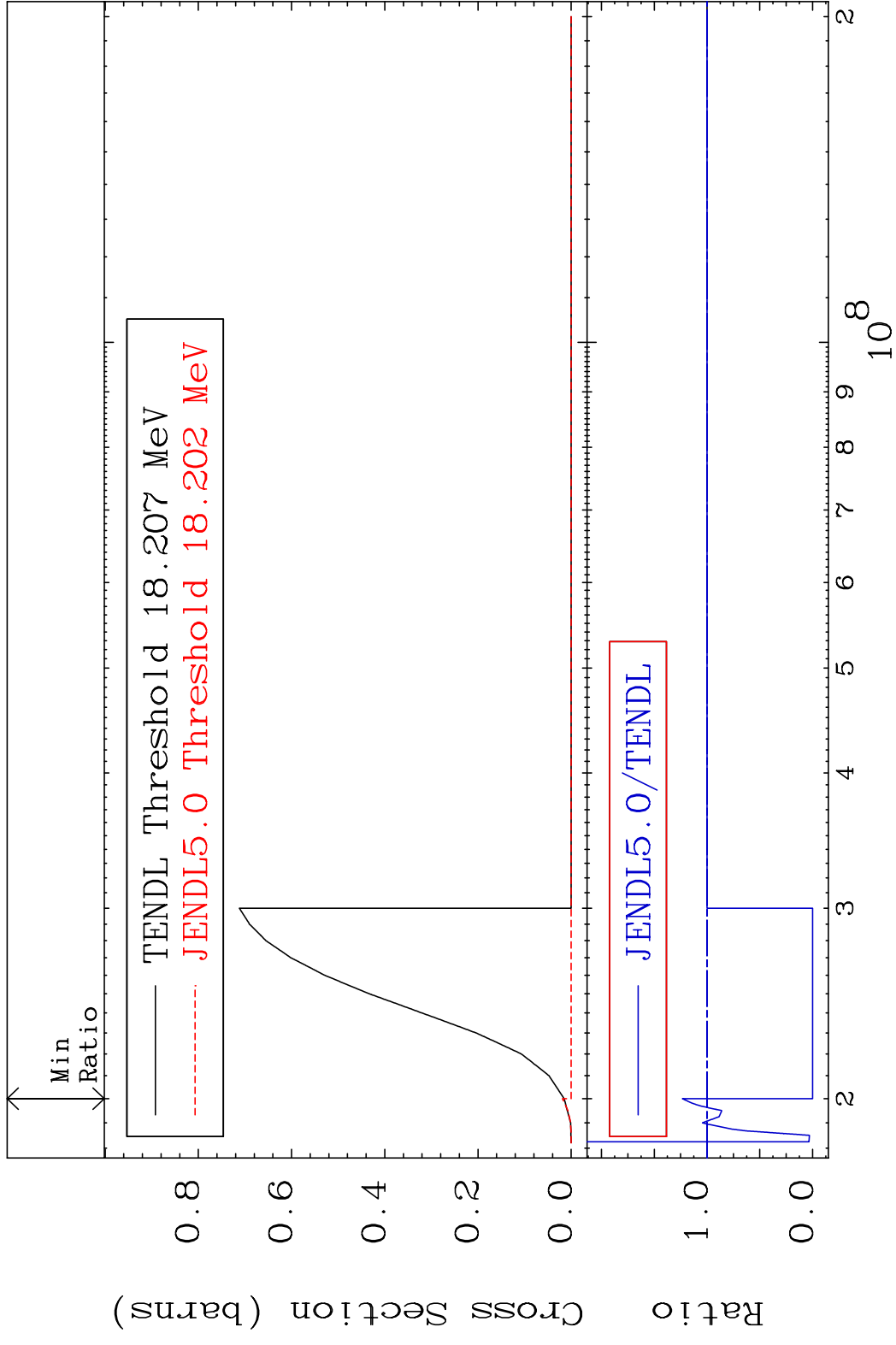


5

Incident Energy (eV)

50-Sn-114

MAT 5031 (n,3n) 50-Sn-114  
 Cross Section -100.0 To 23.37 %



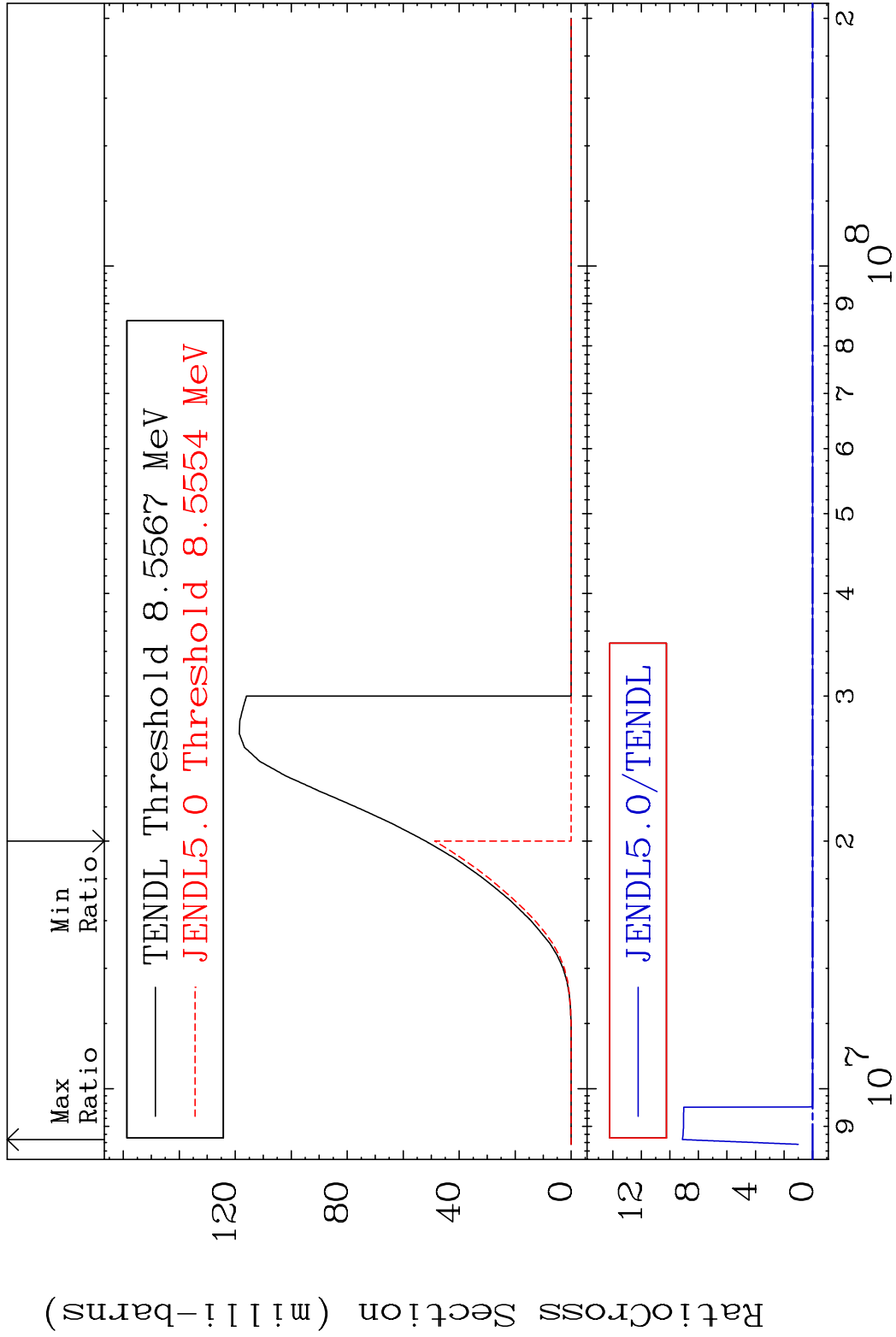




MAT 5031

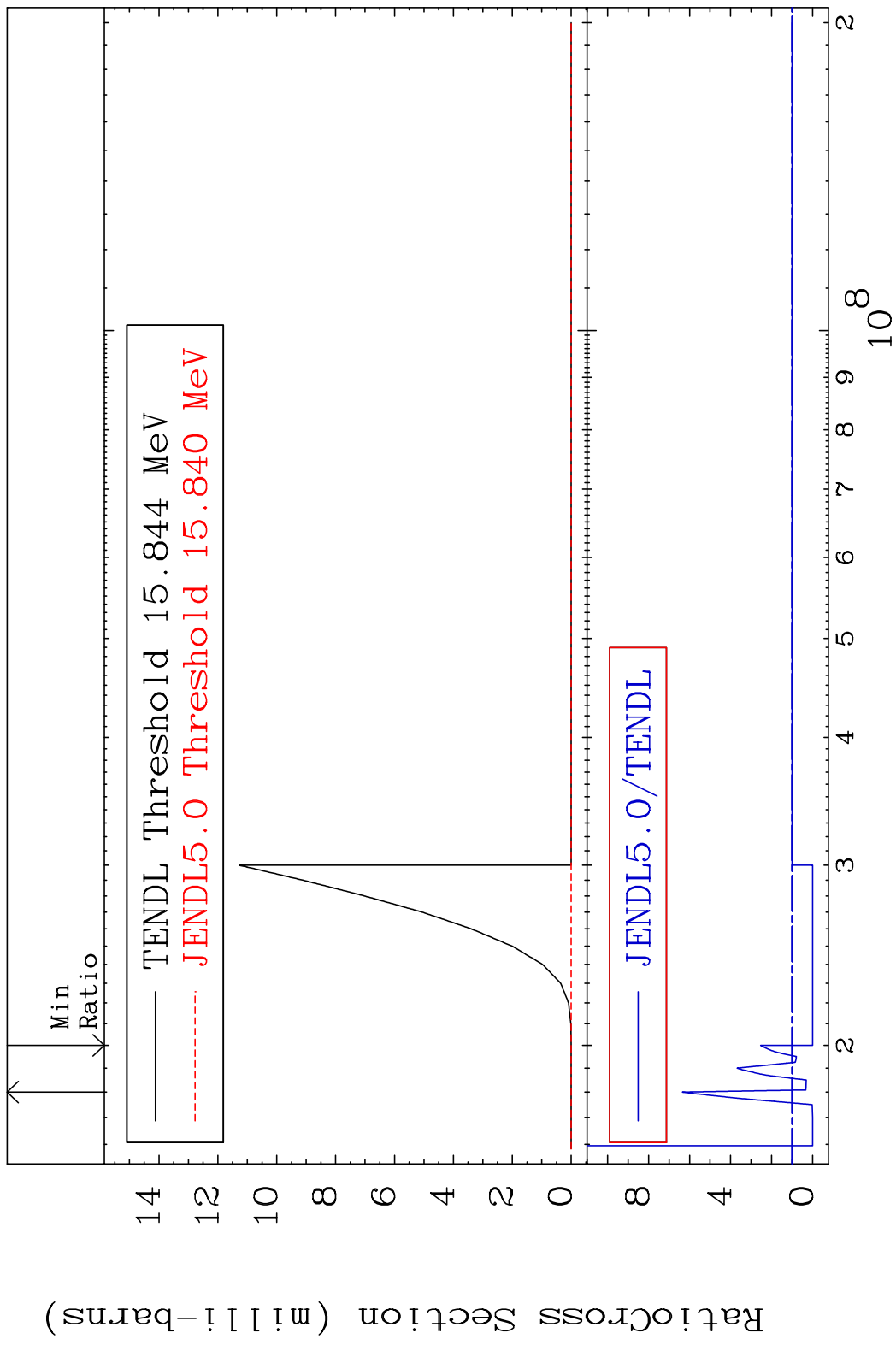
(n,n') p 50-Sn-114

Cross Section -100.0 To 9999. %

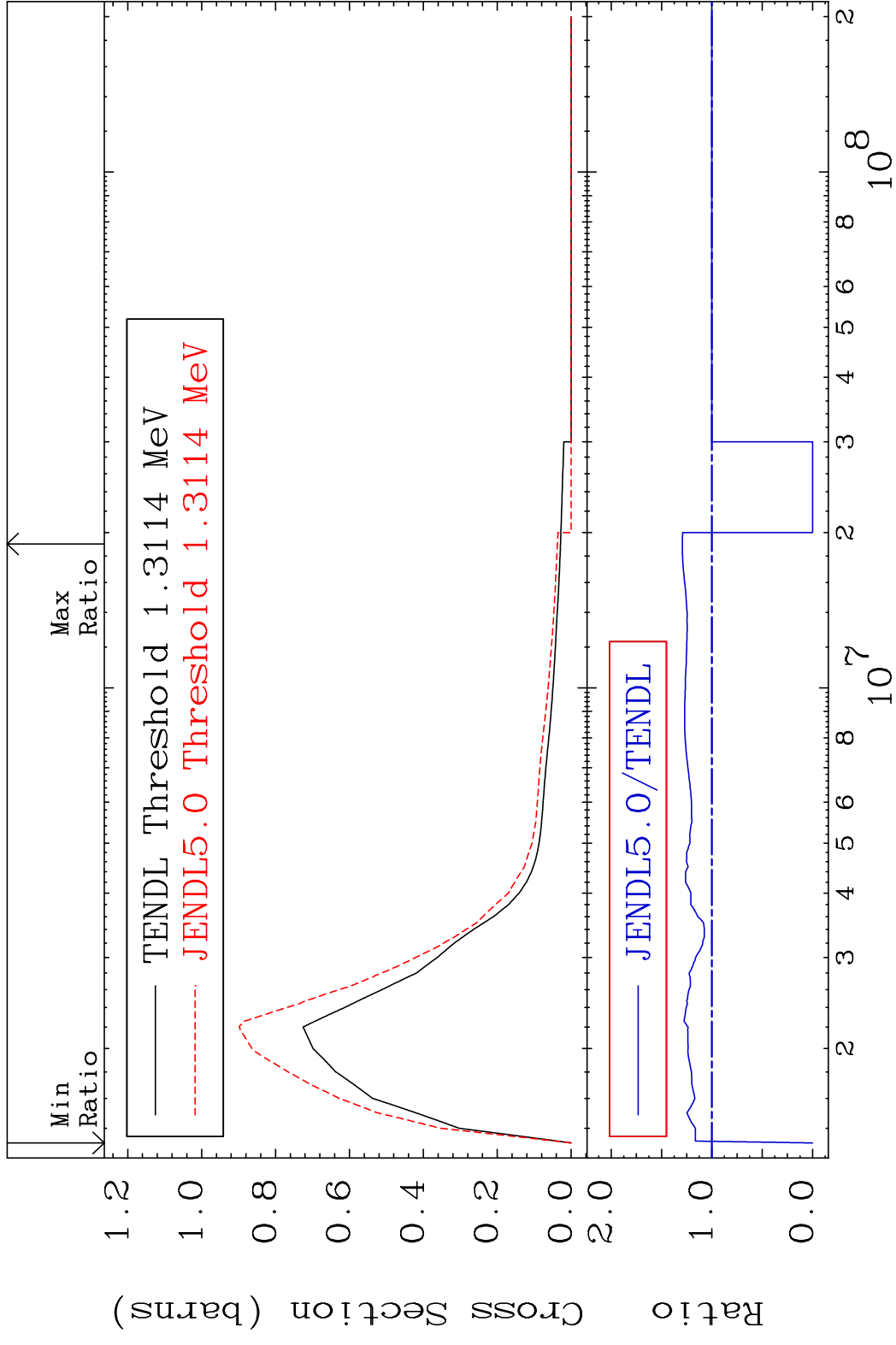


8 8 Incident Energy (eV) 50-Sn-114

MAT 5031 (n, n') d 50-Sn-114  
 Cross Section -100.0 To 535.3 %

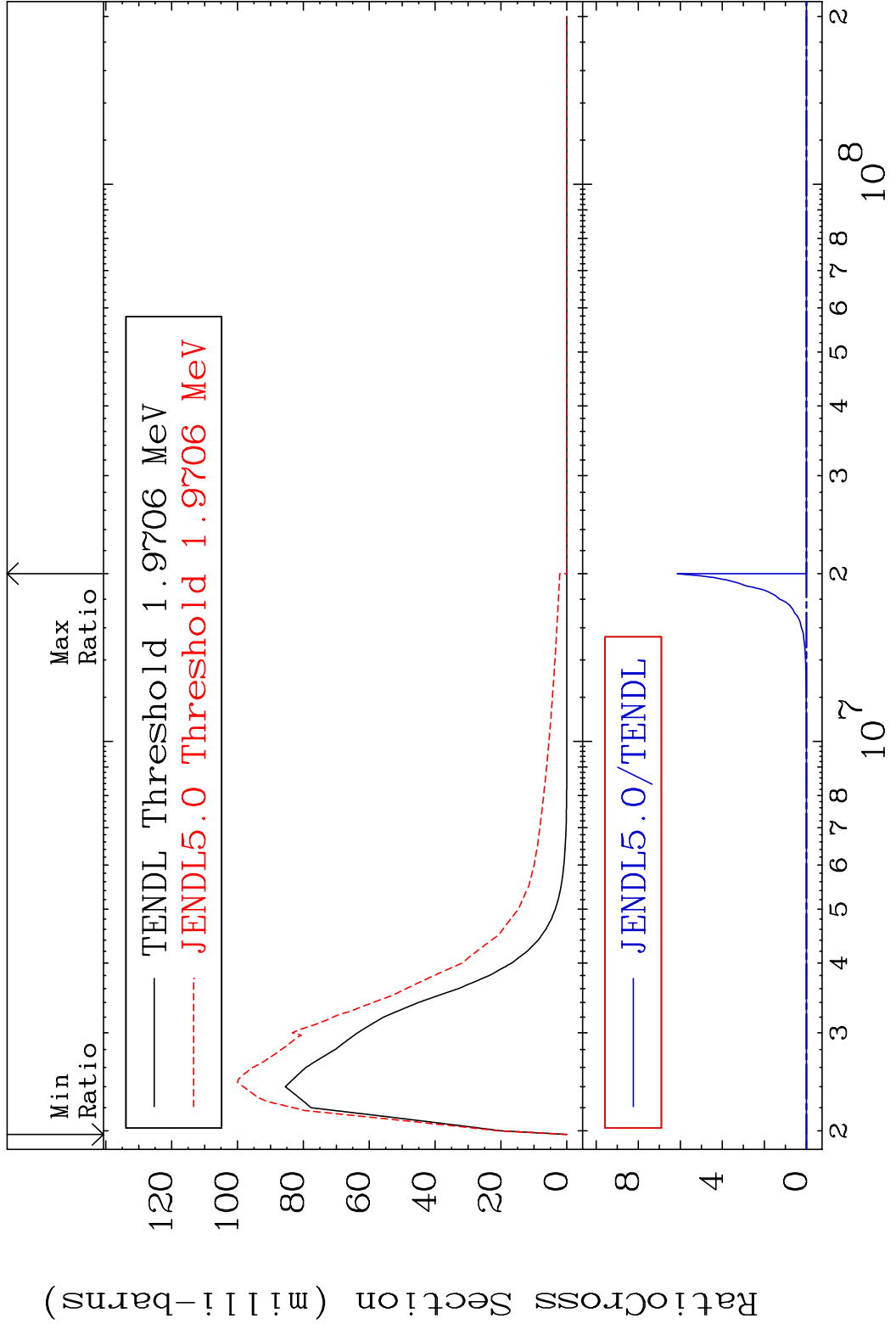


MAT 5031 MT= 51 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 29.32 %

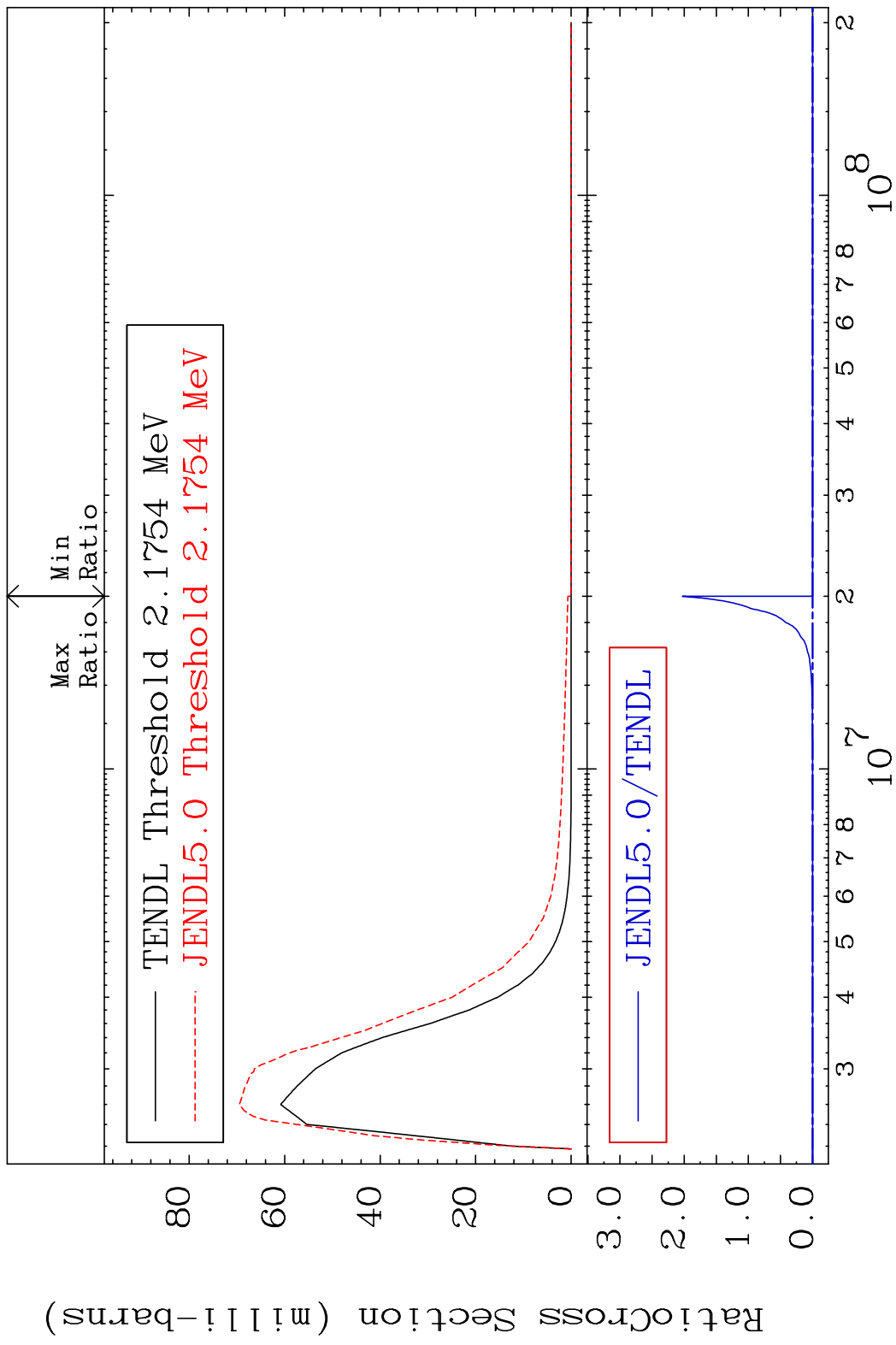


10 Incident Energy (eV) 50-Sn-114

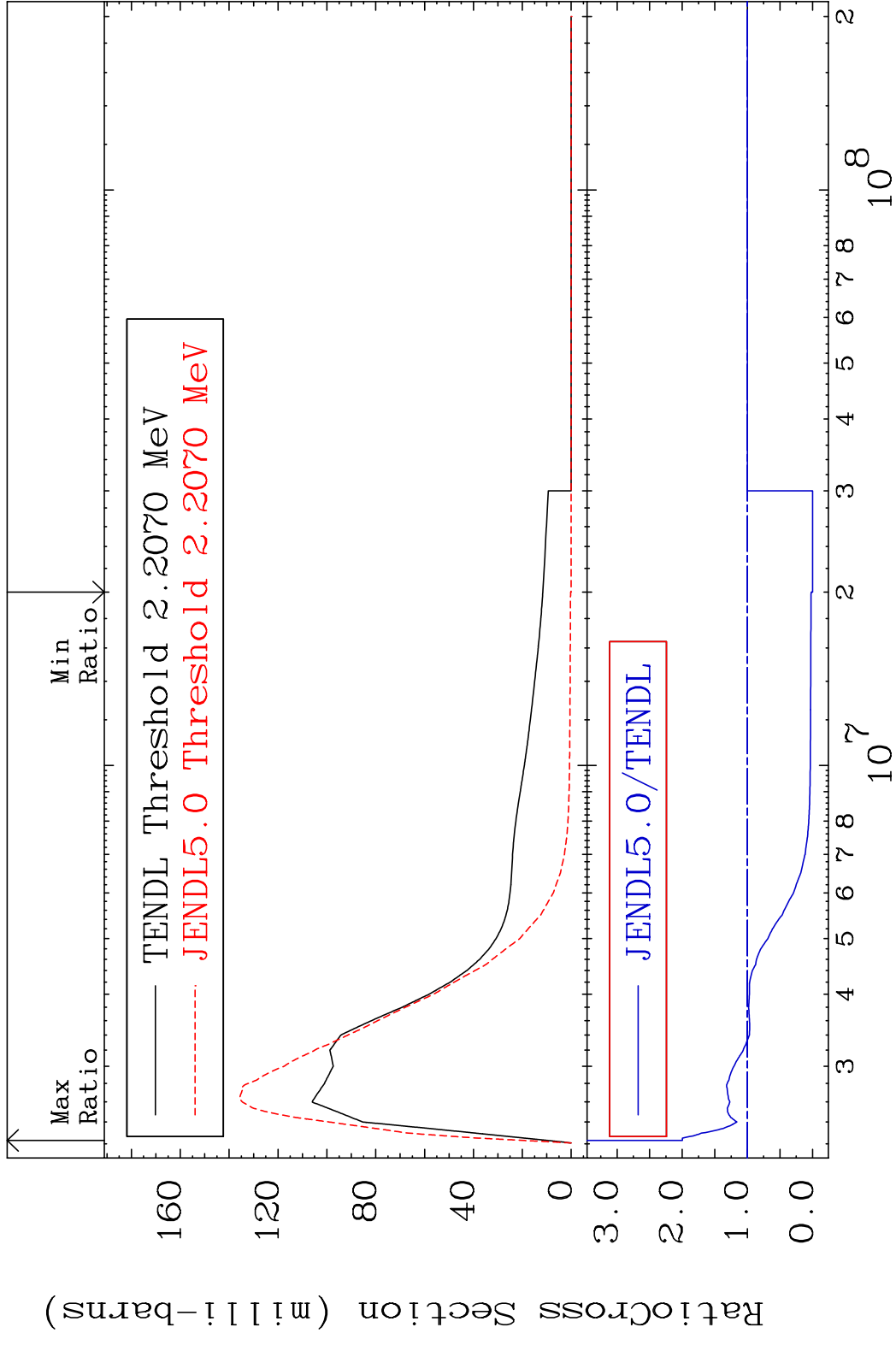
MAT 5031 MT= 52 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %



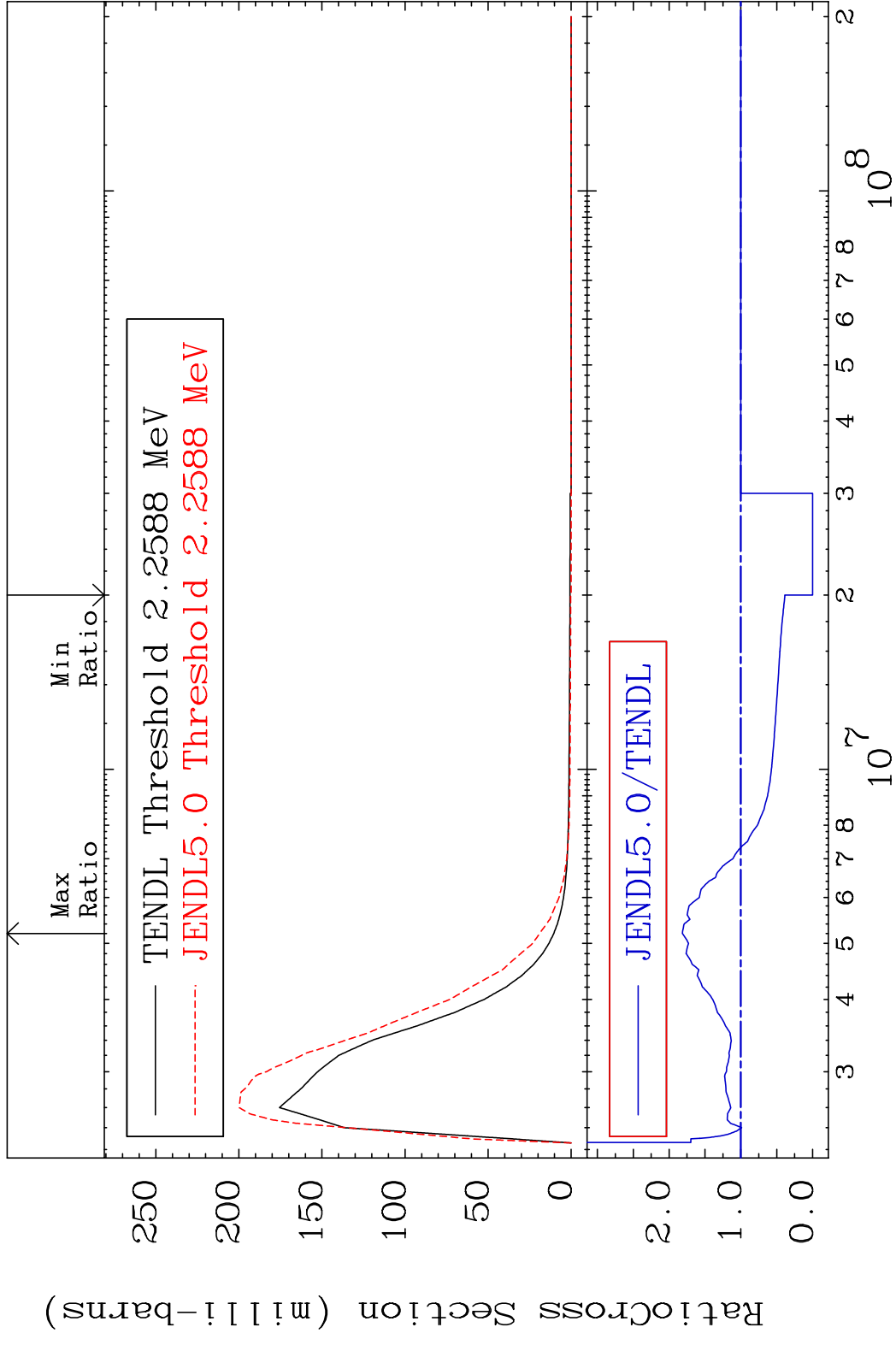
MAT 5031 MT= 53 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %



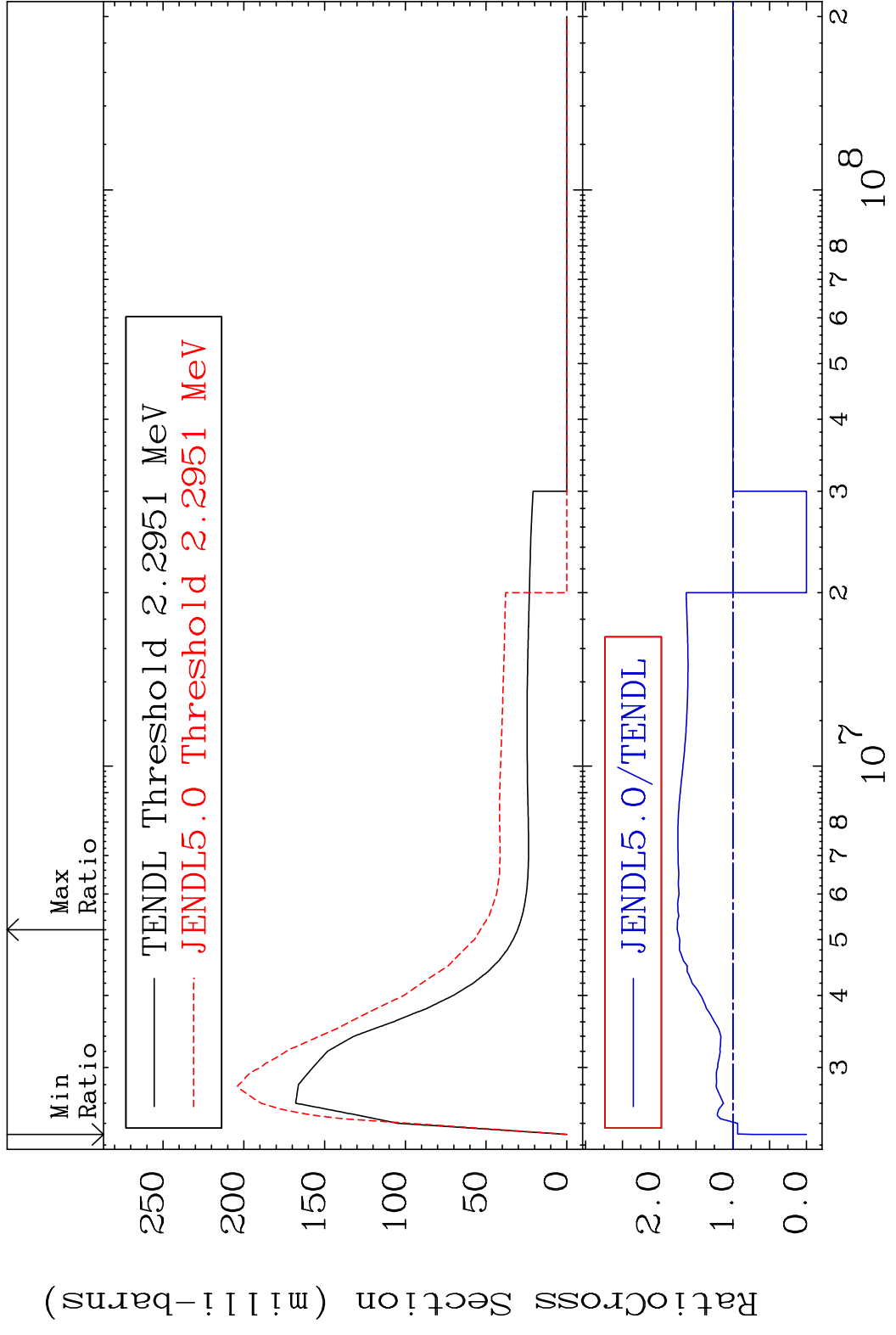
MAT 5031 MT= 54 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 99.81 %



MAT 5031 MT= 55 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 81.54 %

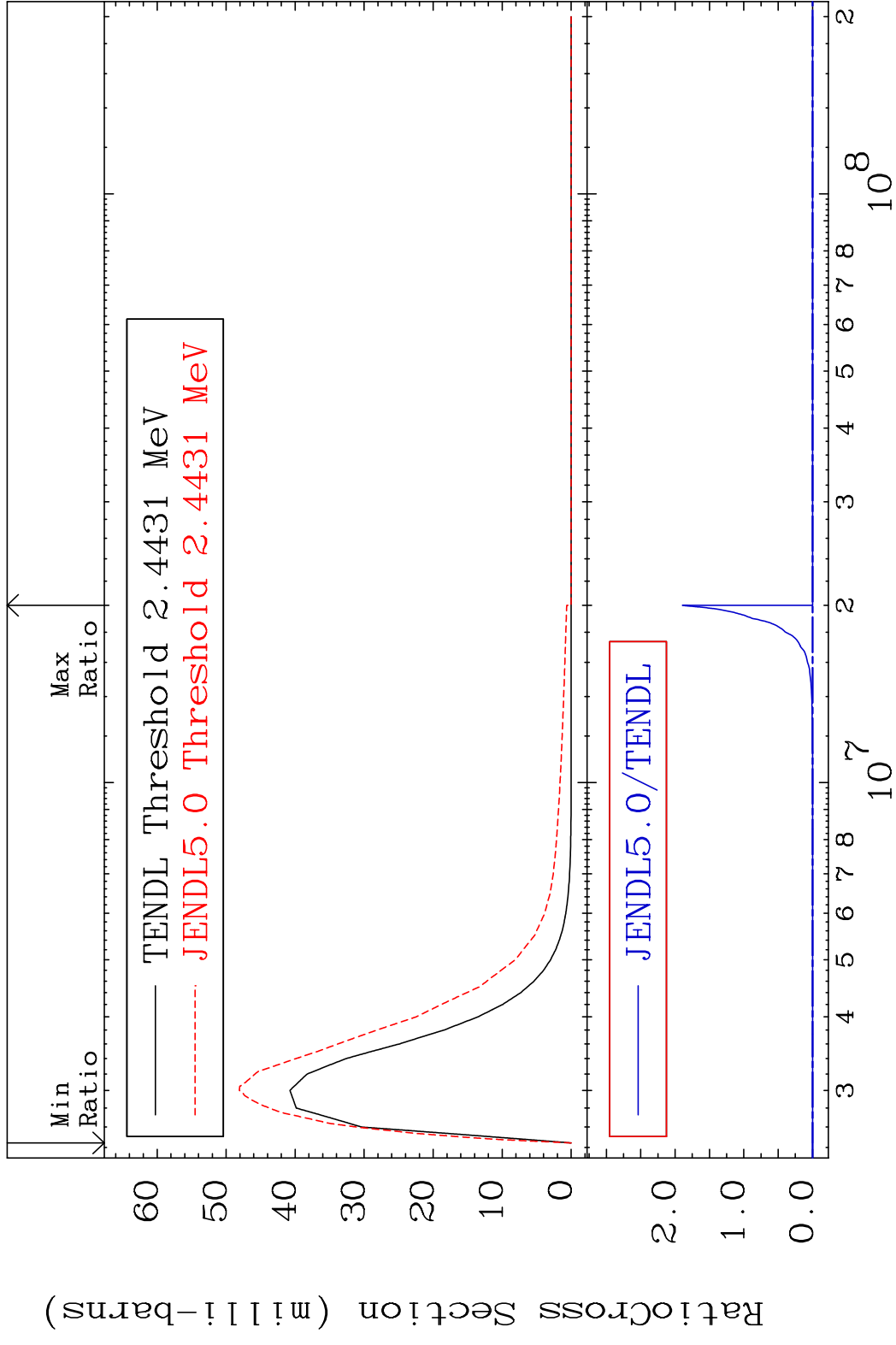


MAT 5031 MT= 56 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 75.60 %

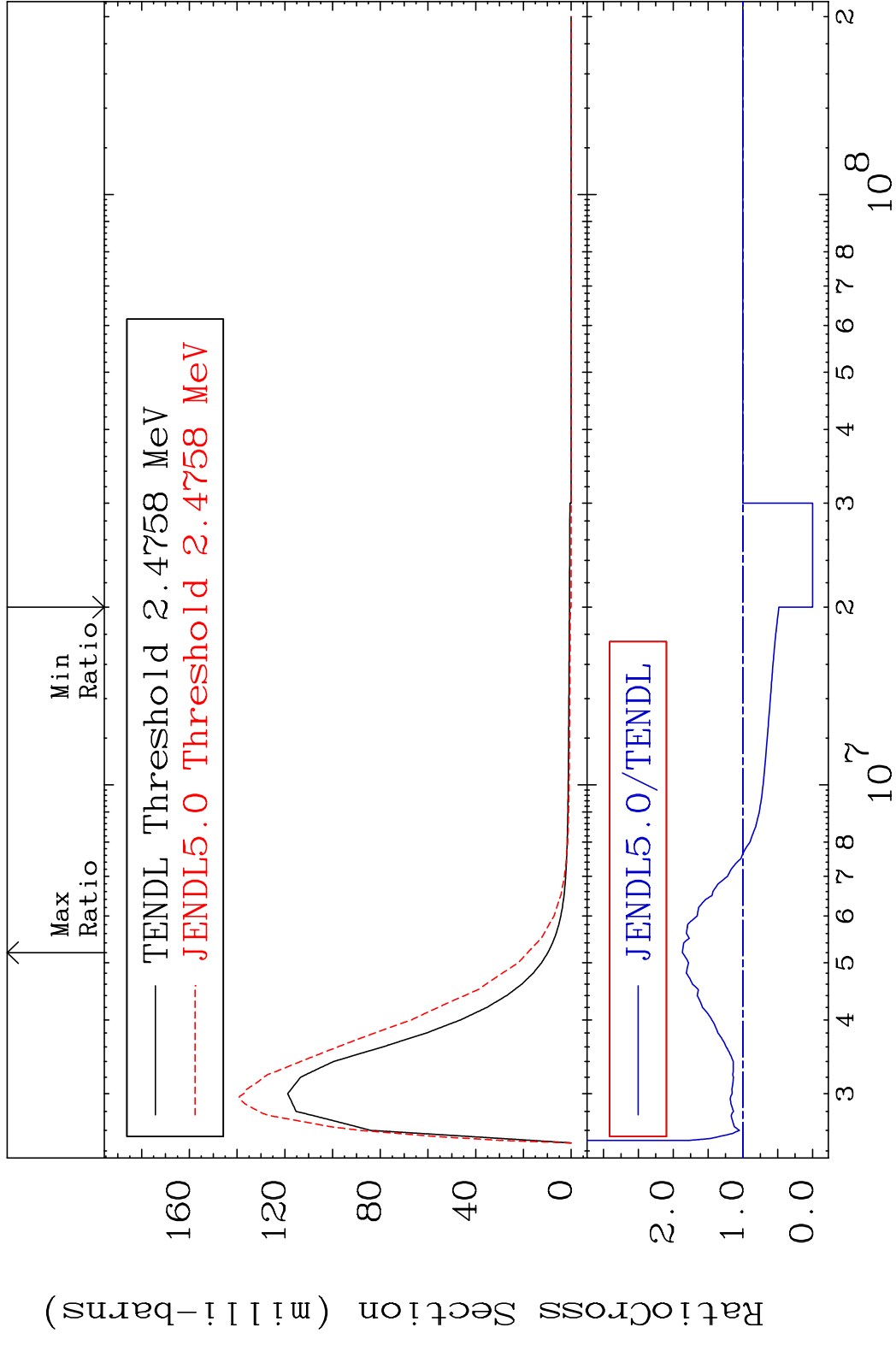




MAT 5031 MT= 57 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %

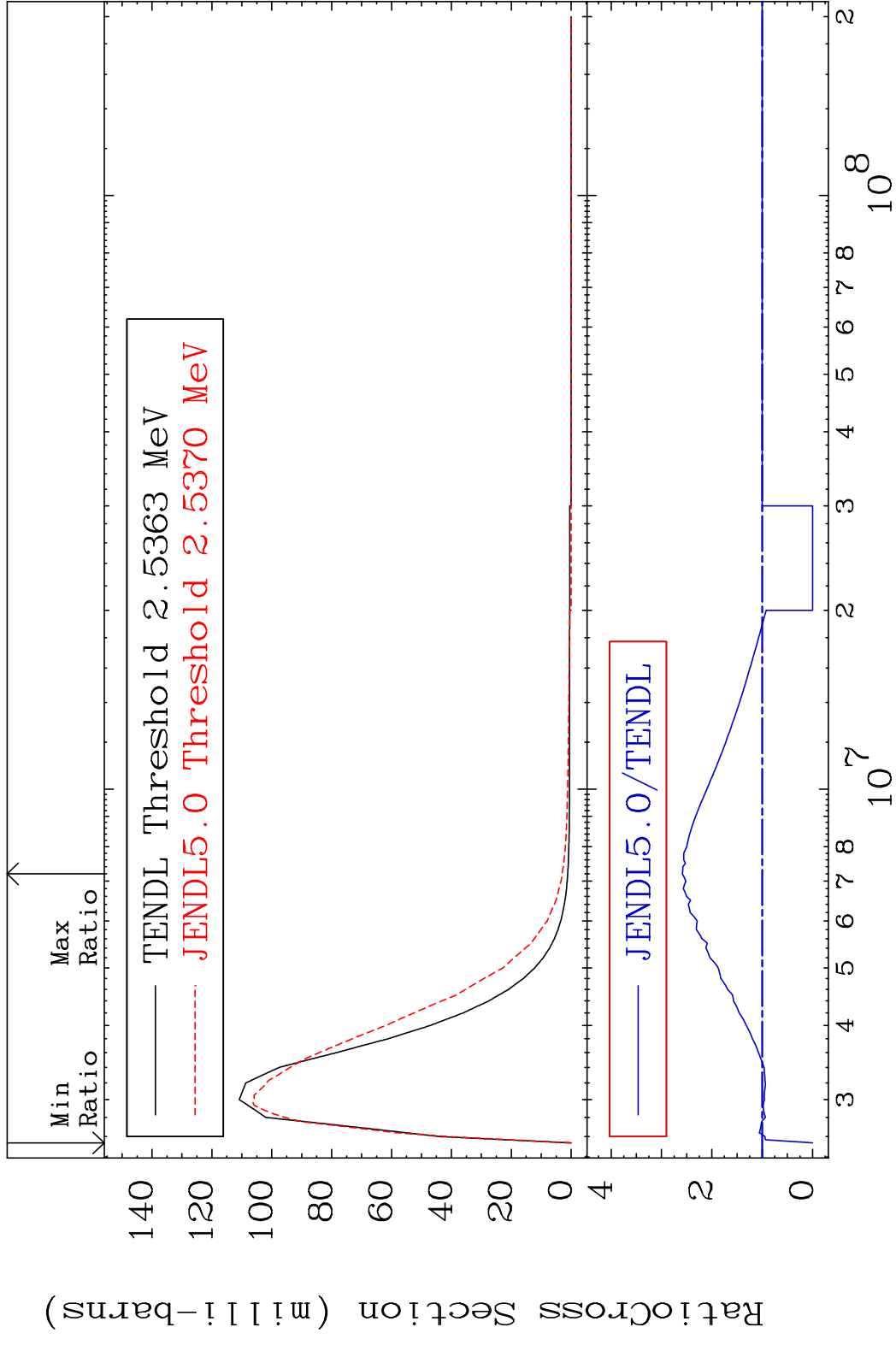


MAT 5031 MT= 58 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 86.91 %

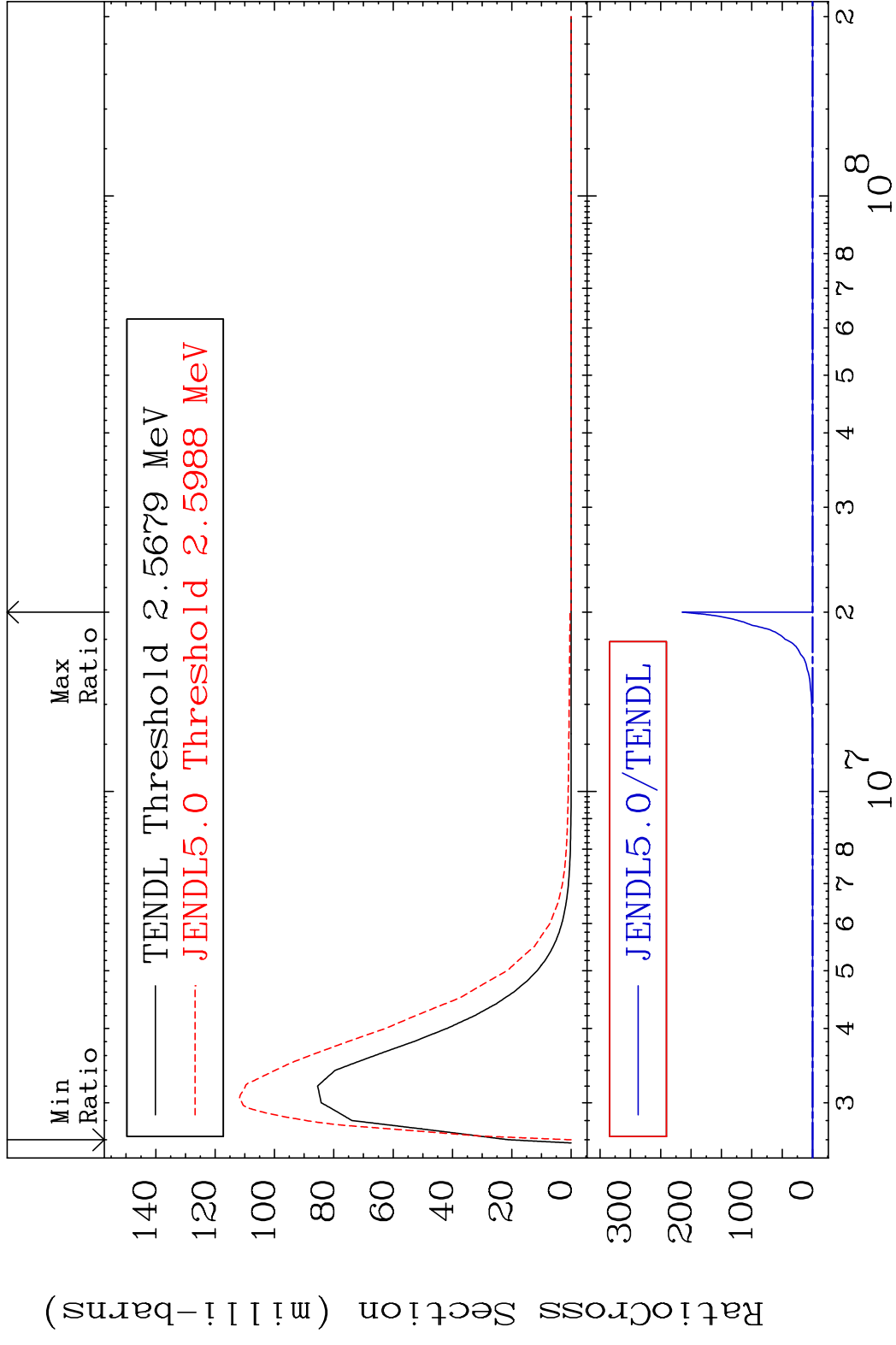


17 Incident Energy (eV) 50-Sn-114

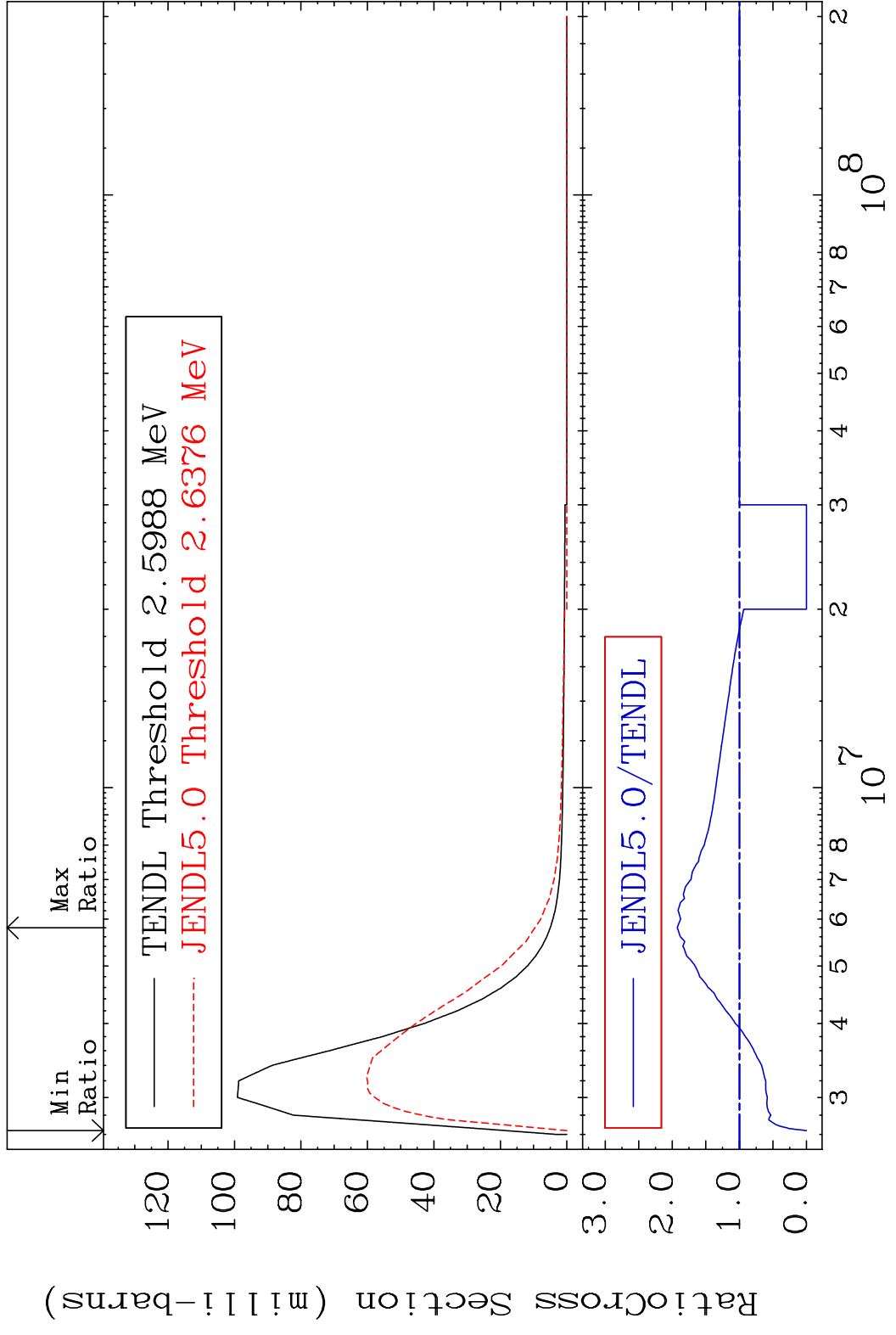
MAT 5031 MT= 59 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 158.6 %



MAT 5031 MT= 60 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %

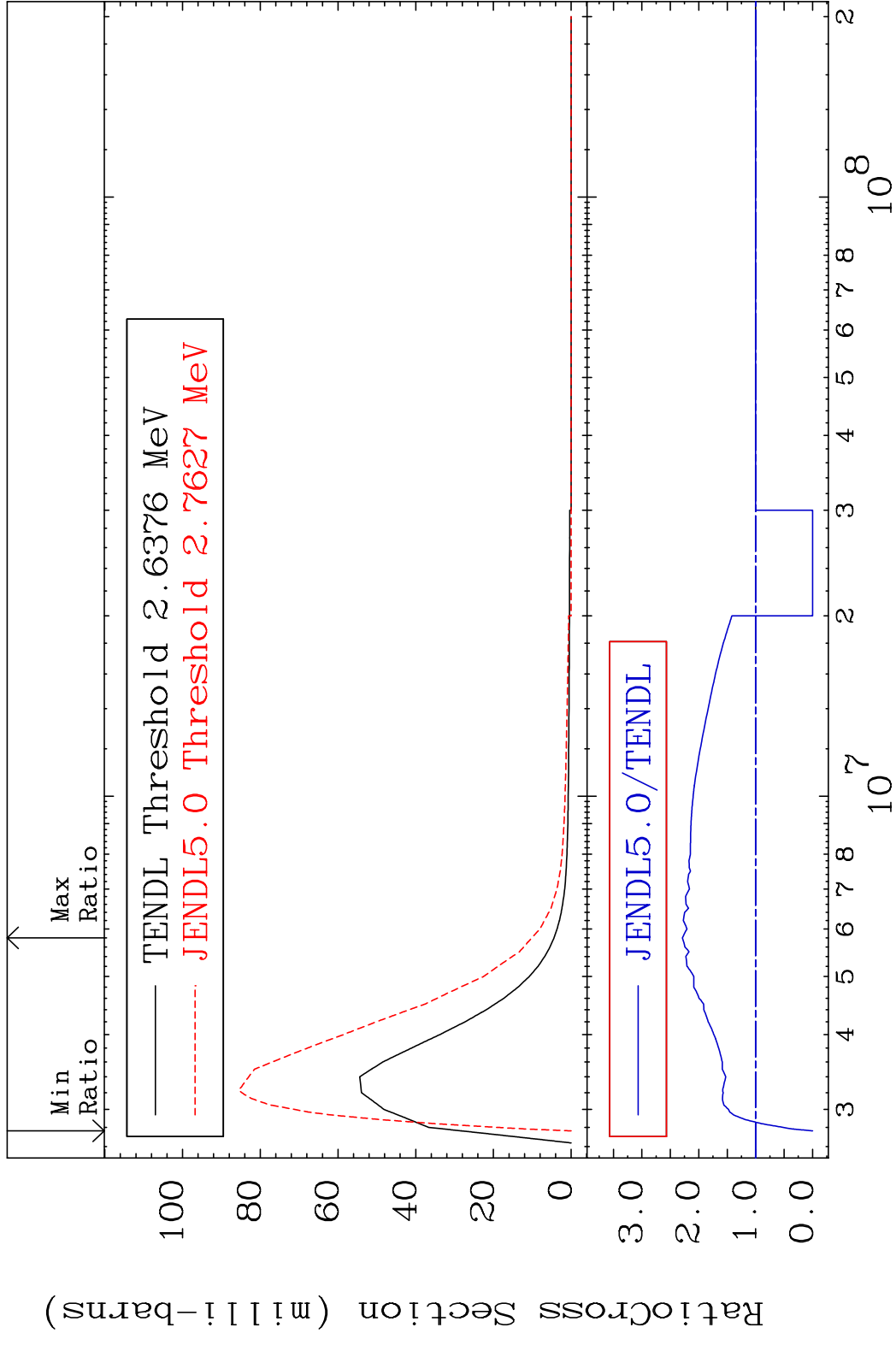


MAT 5031 MT= 61 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 92.73 %

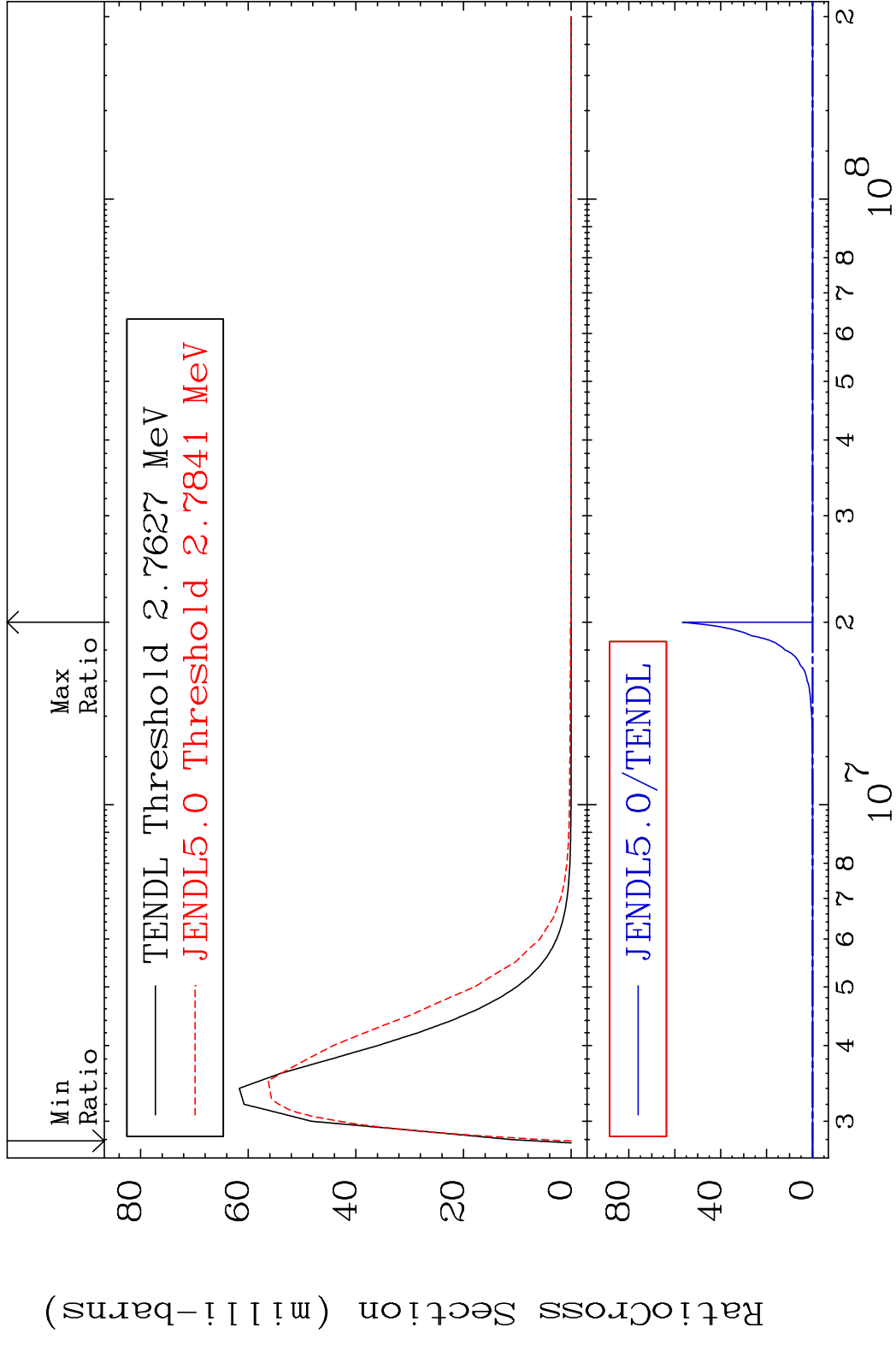


20 Incident Energy (eV) 50-Sn-114

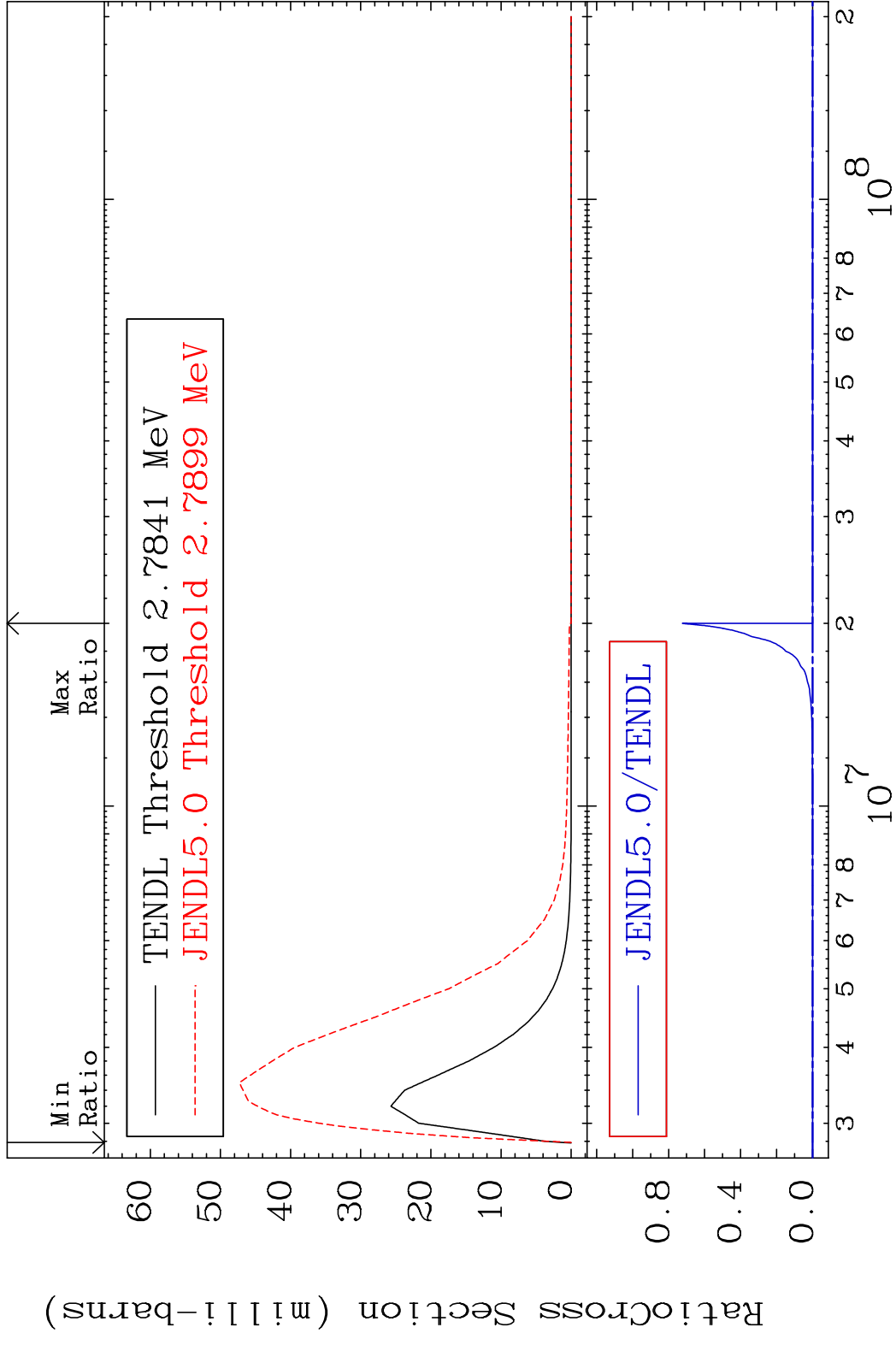
MAT 5031 MT= 62 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 128.9 %



MAT 5031 MT= 63 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %

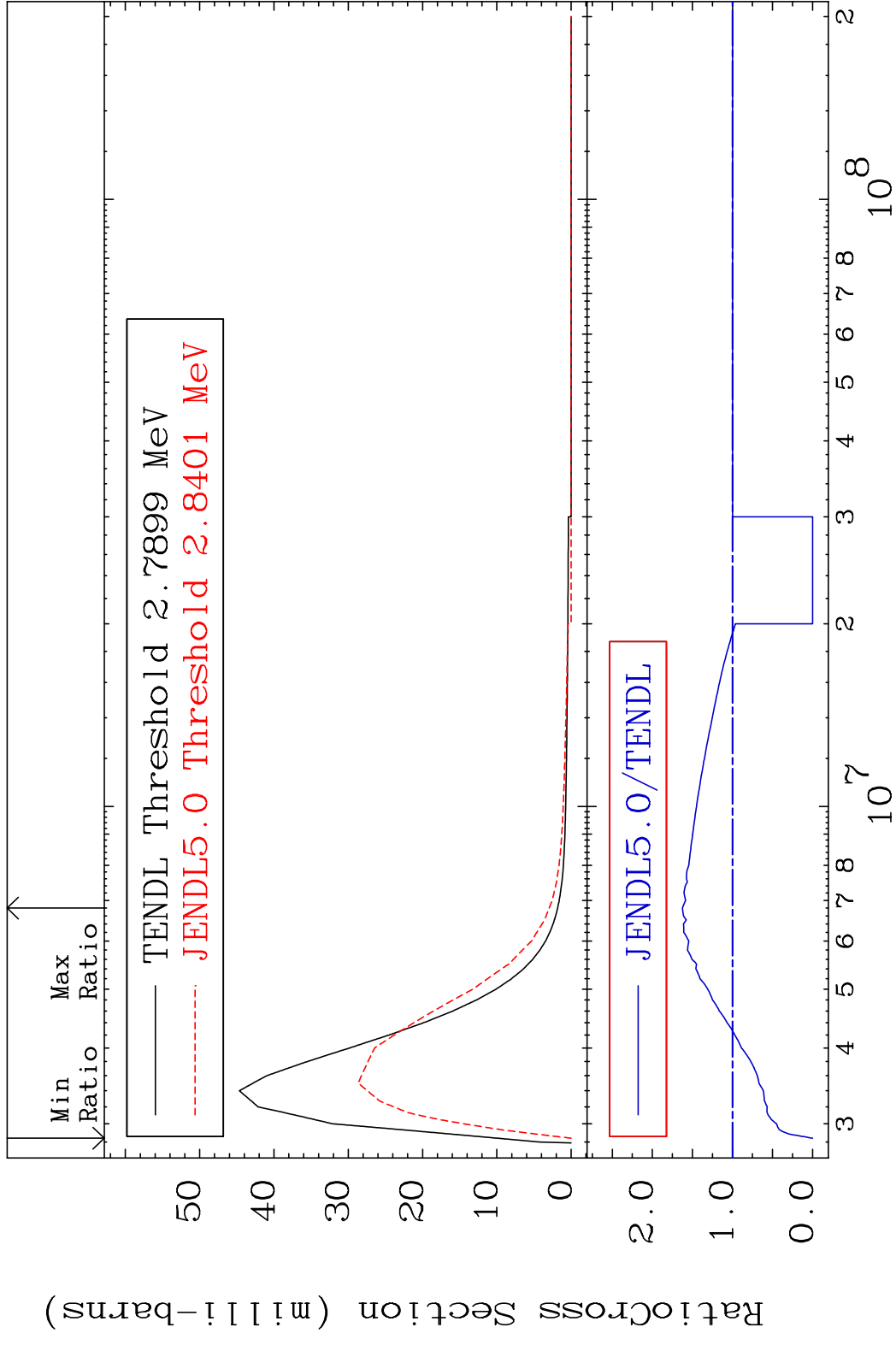


MAT 5031 MT= 64 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %

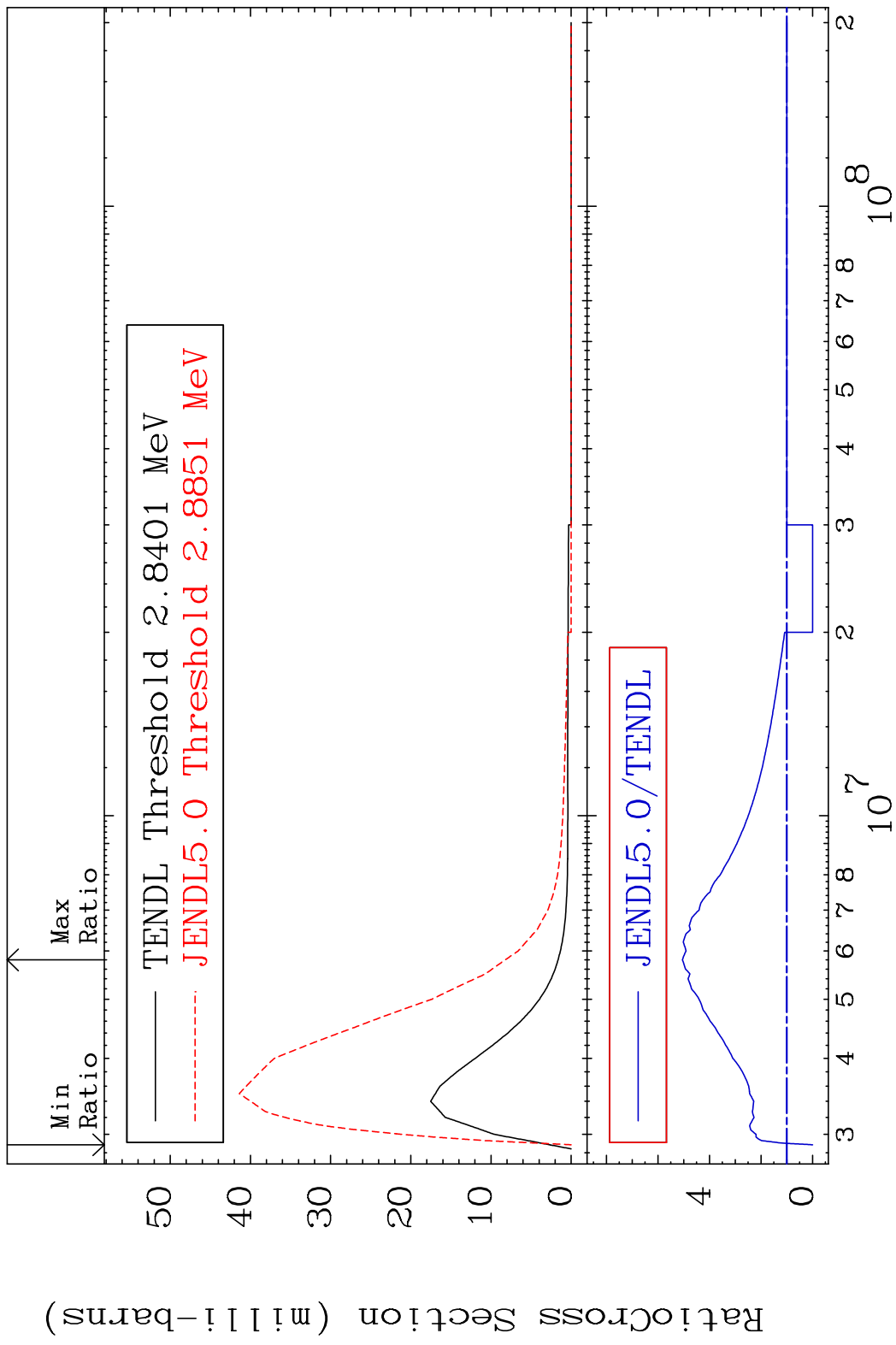




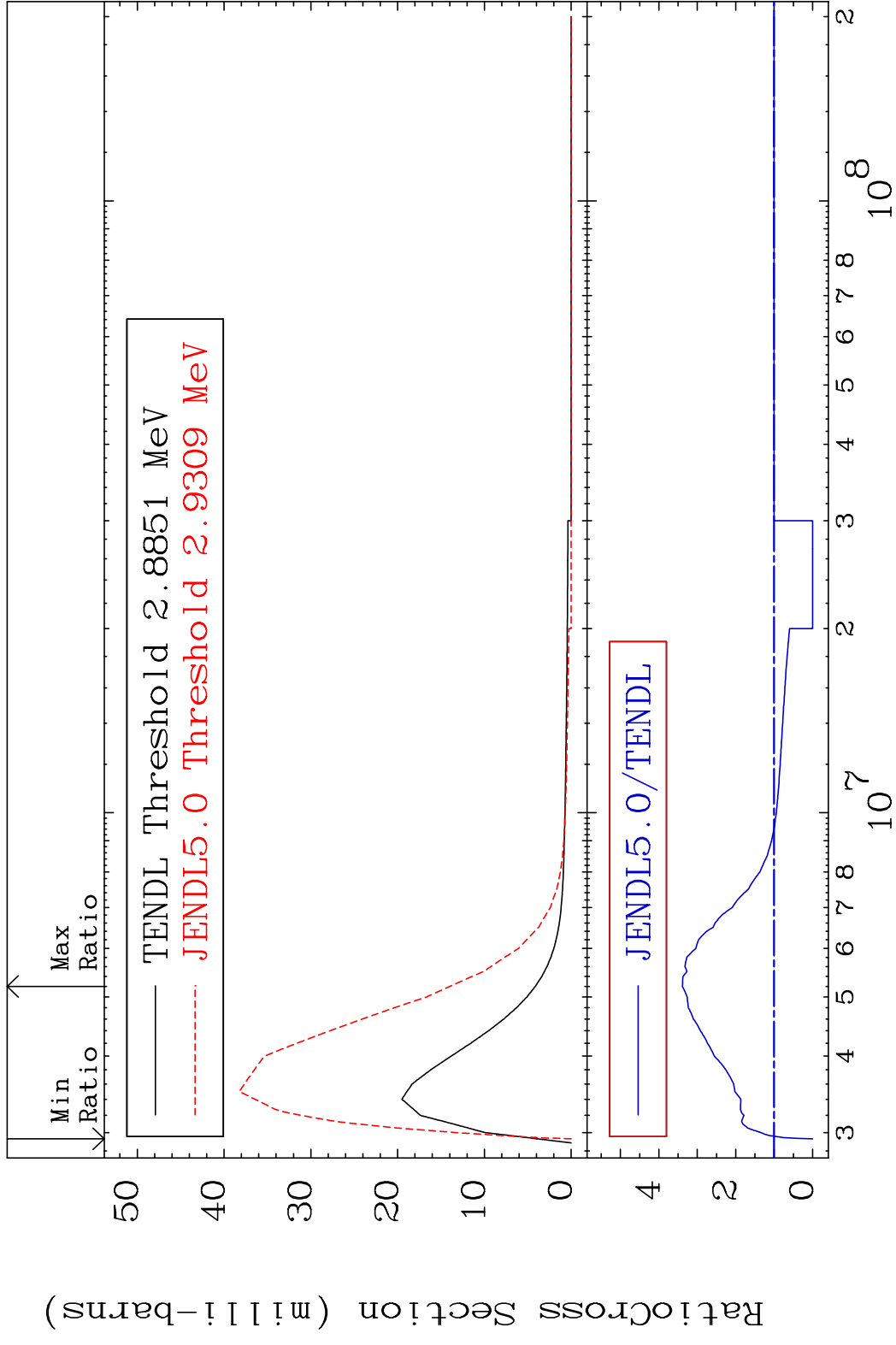
MAT 5031 MT= 65 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 62.54 %



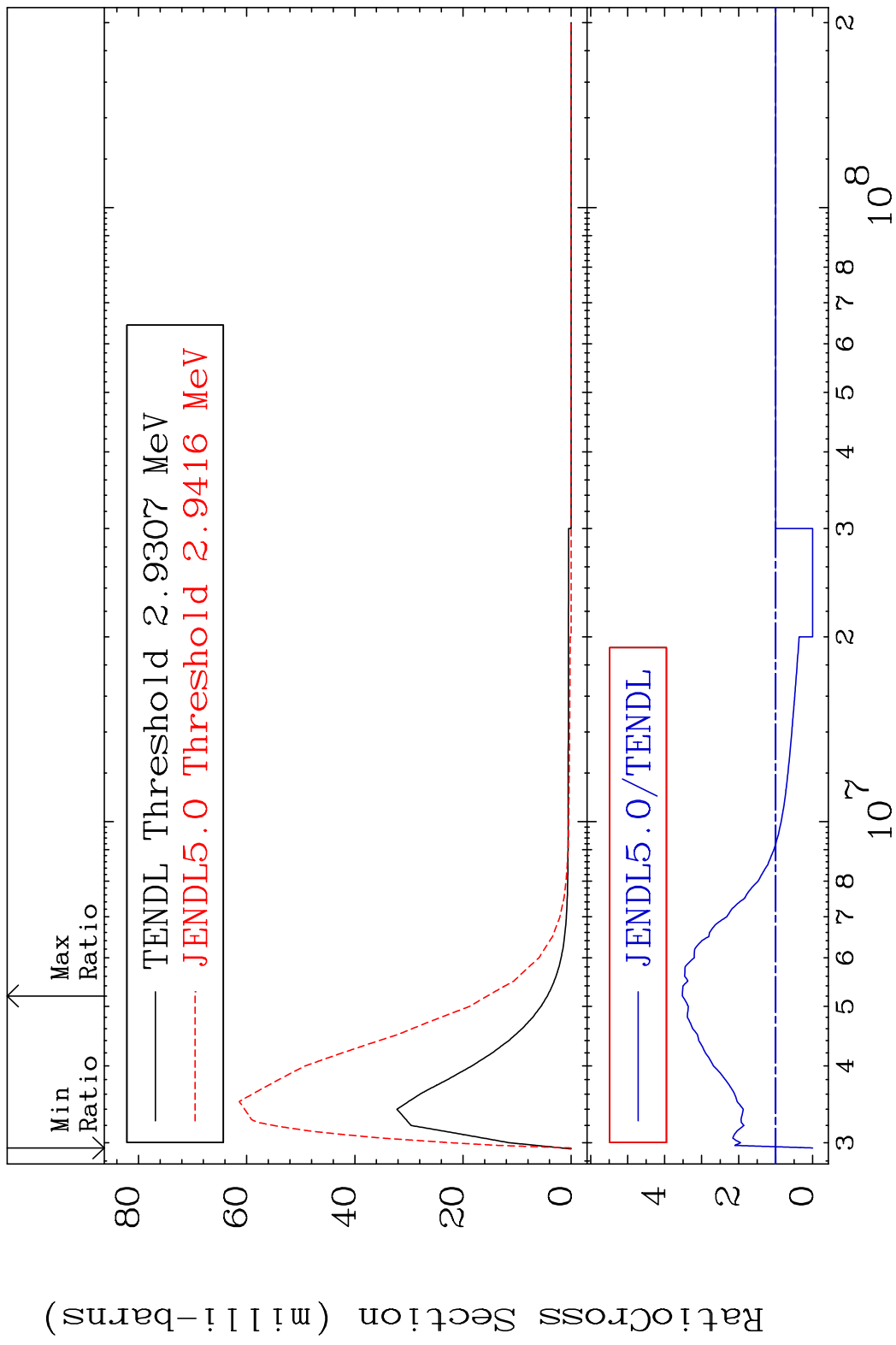
MAT 5031 MT= 66 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 405.3 %



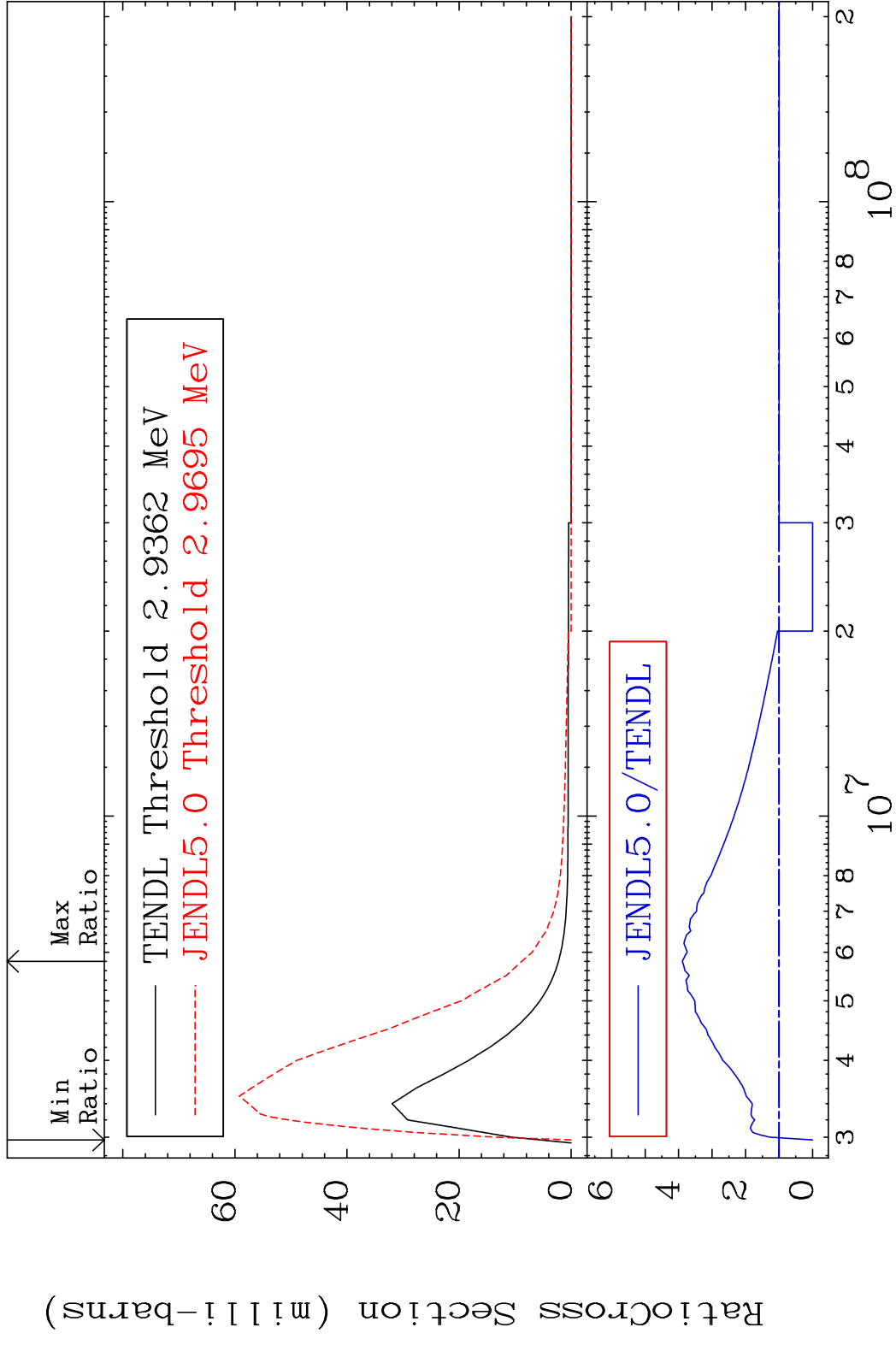
MAT 5031 MT= 67 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 238.9 %



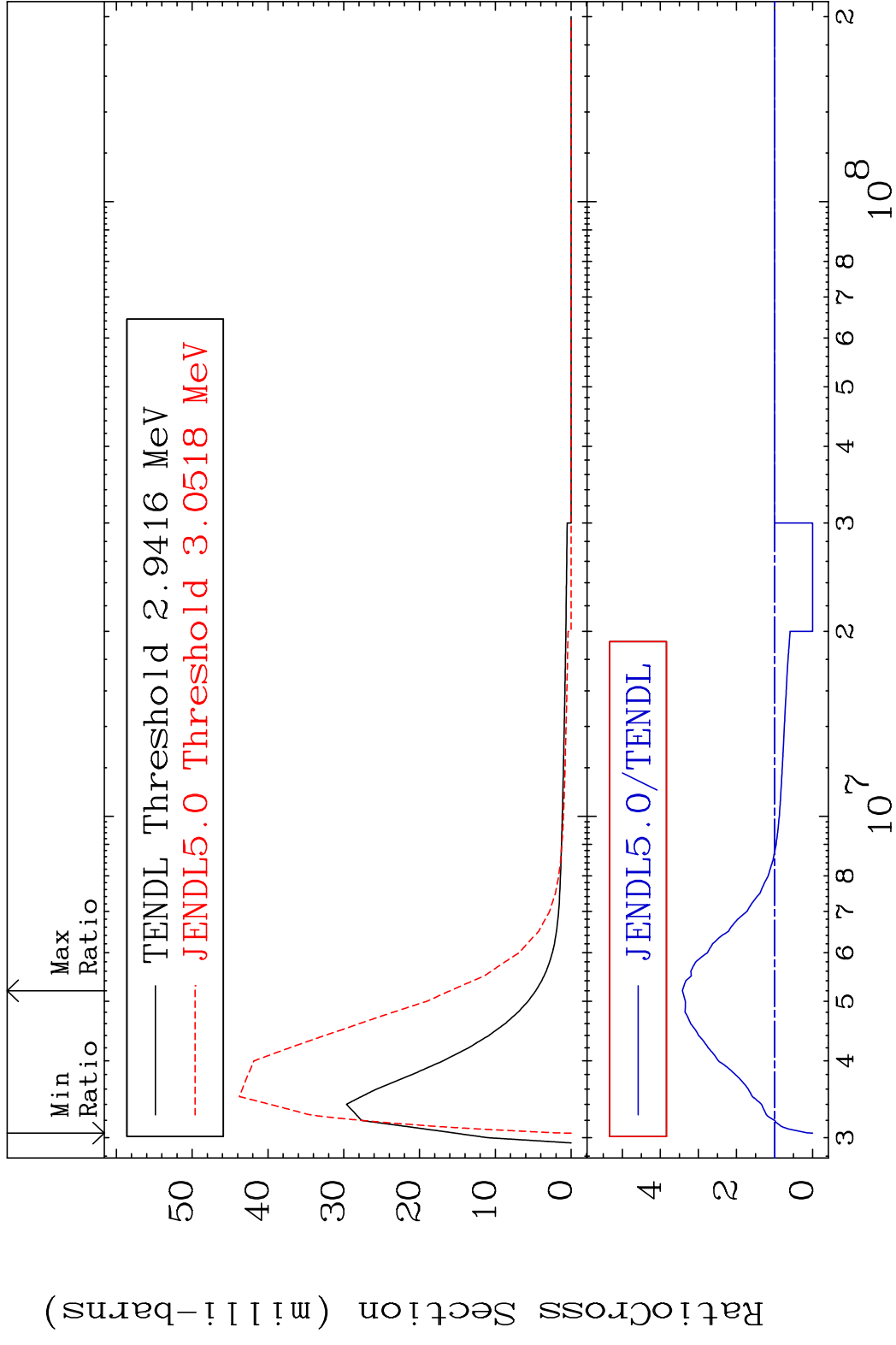
MAT 5031 MT= 68 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 252.2 %



MAT 5031 MT= 69 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 288.8 %

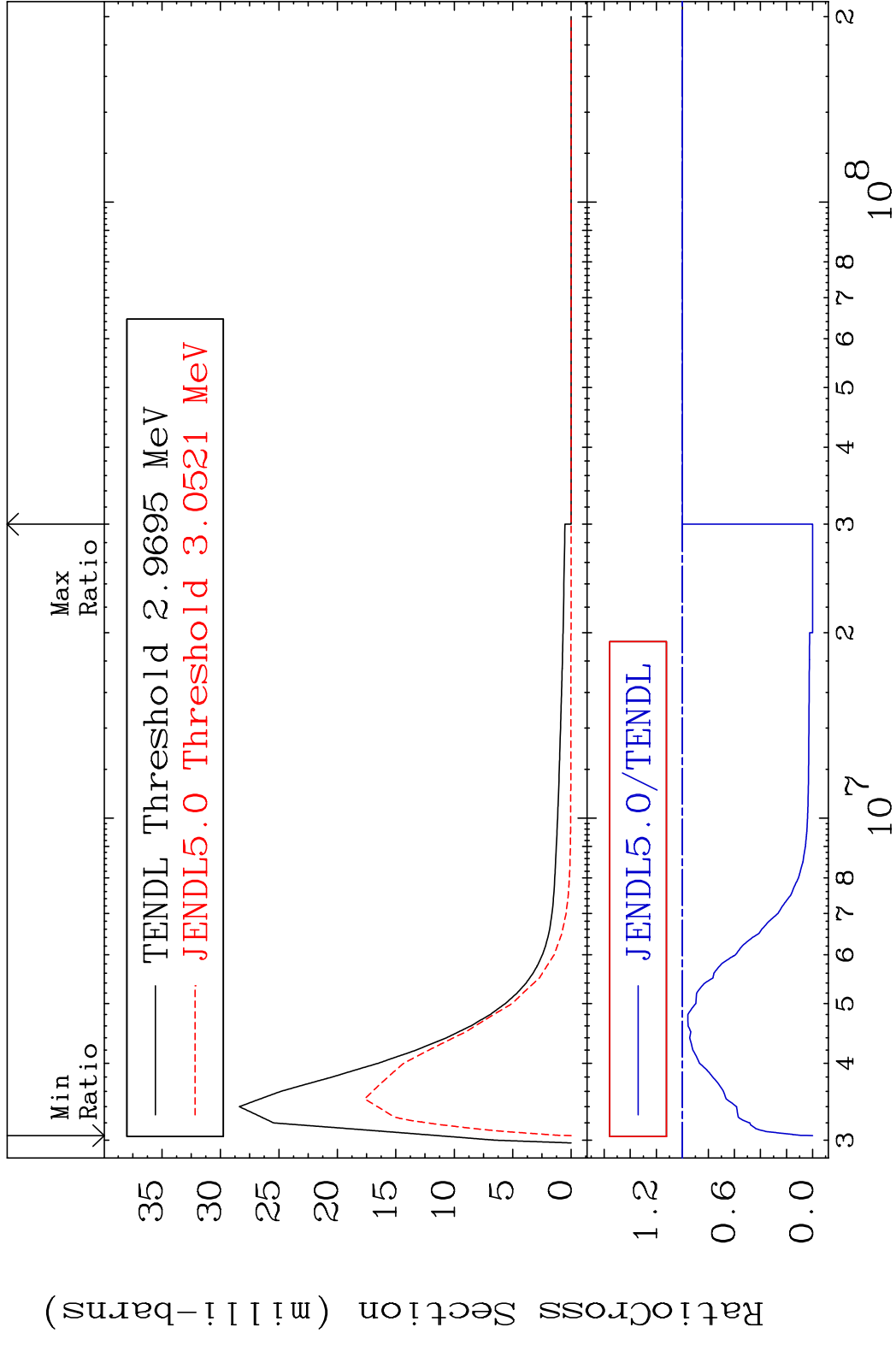


MAT 5031 MT= 70 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 242.2 %

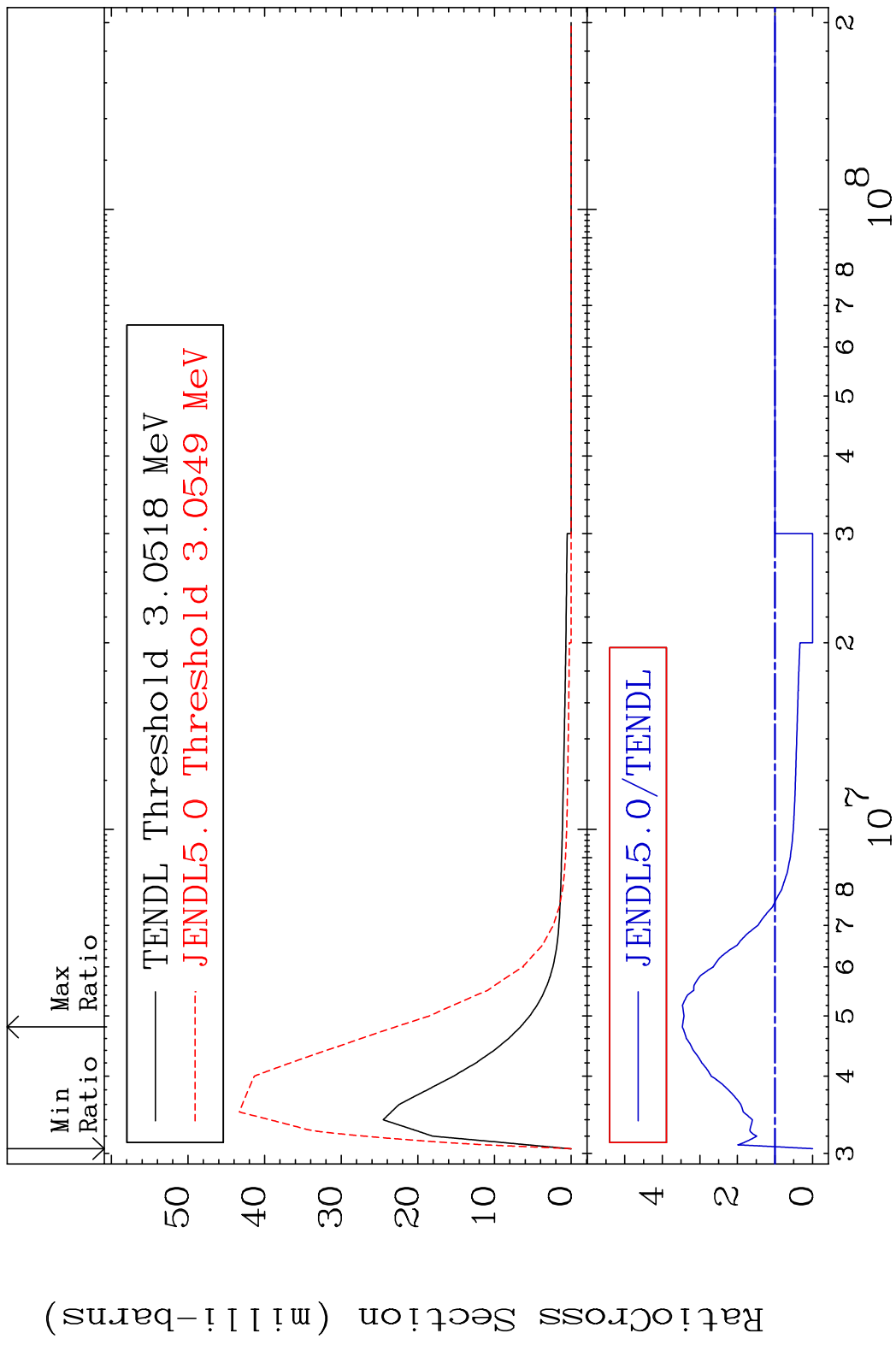


29 Incident Energy (eV) 50-Sn-114

MAT 5031 MT= 71 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 0.000 %

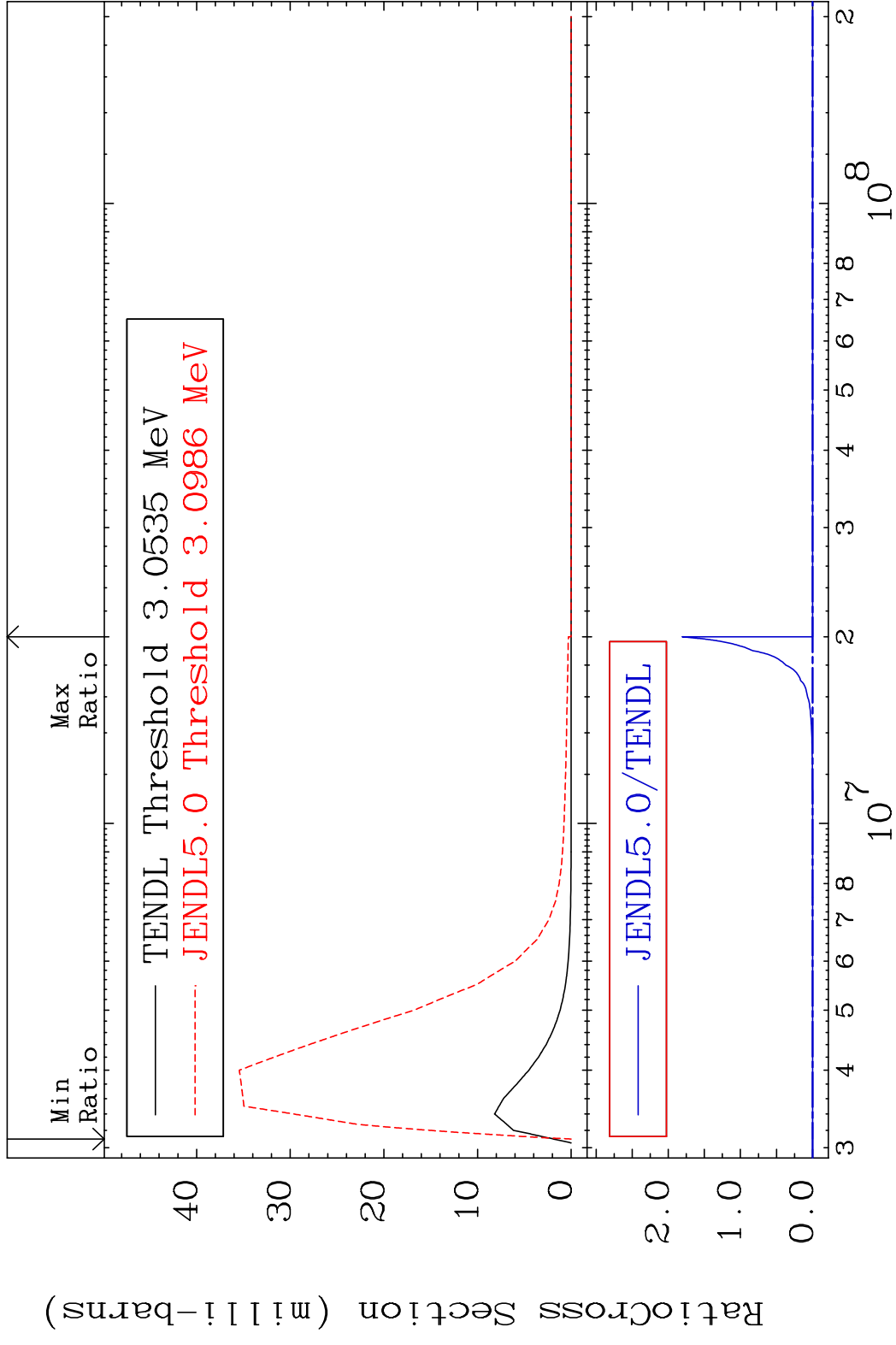


MAT 5031 MT= 72 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 246.7 %

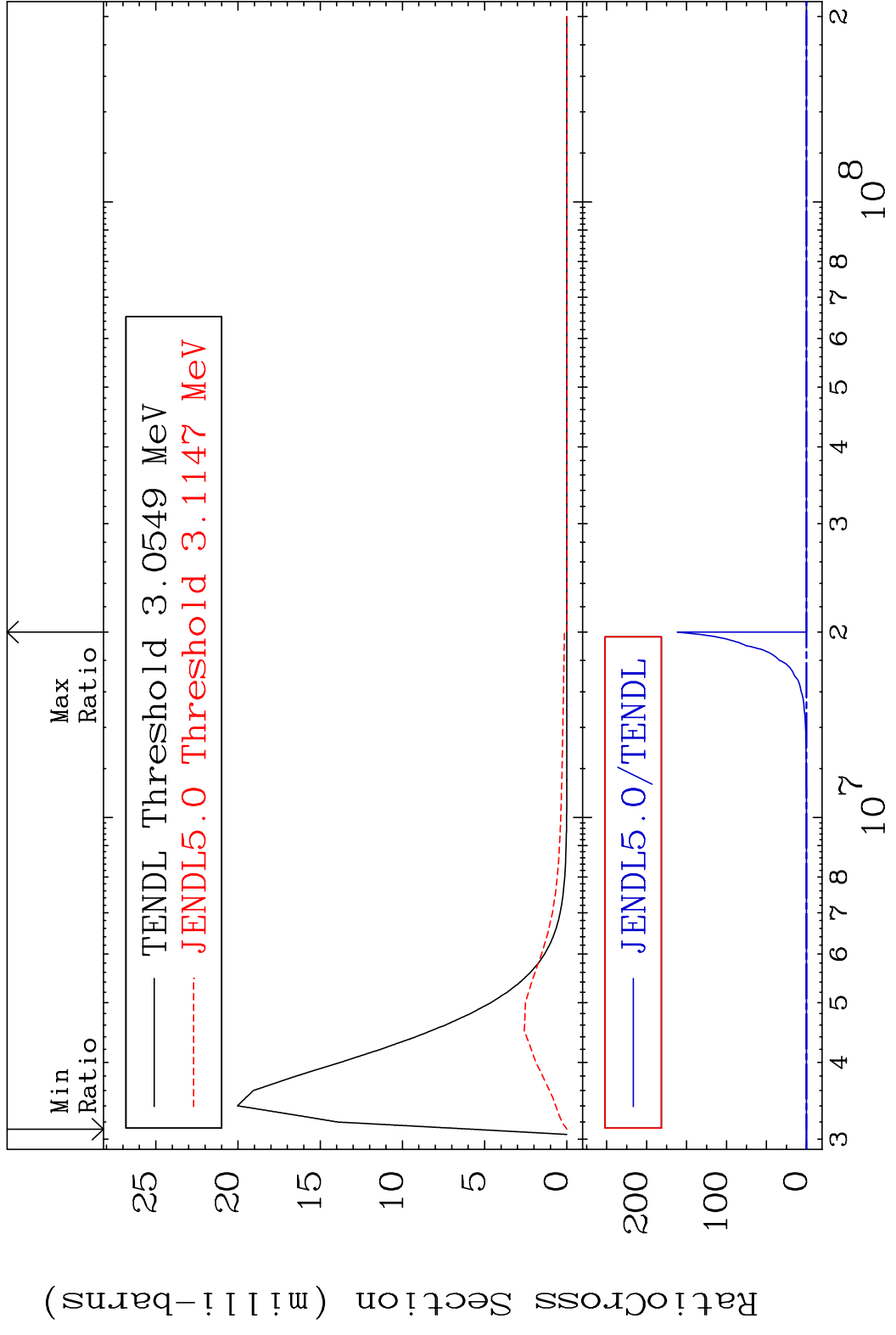




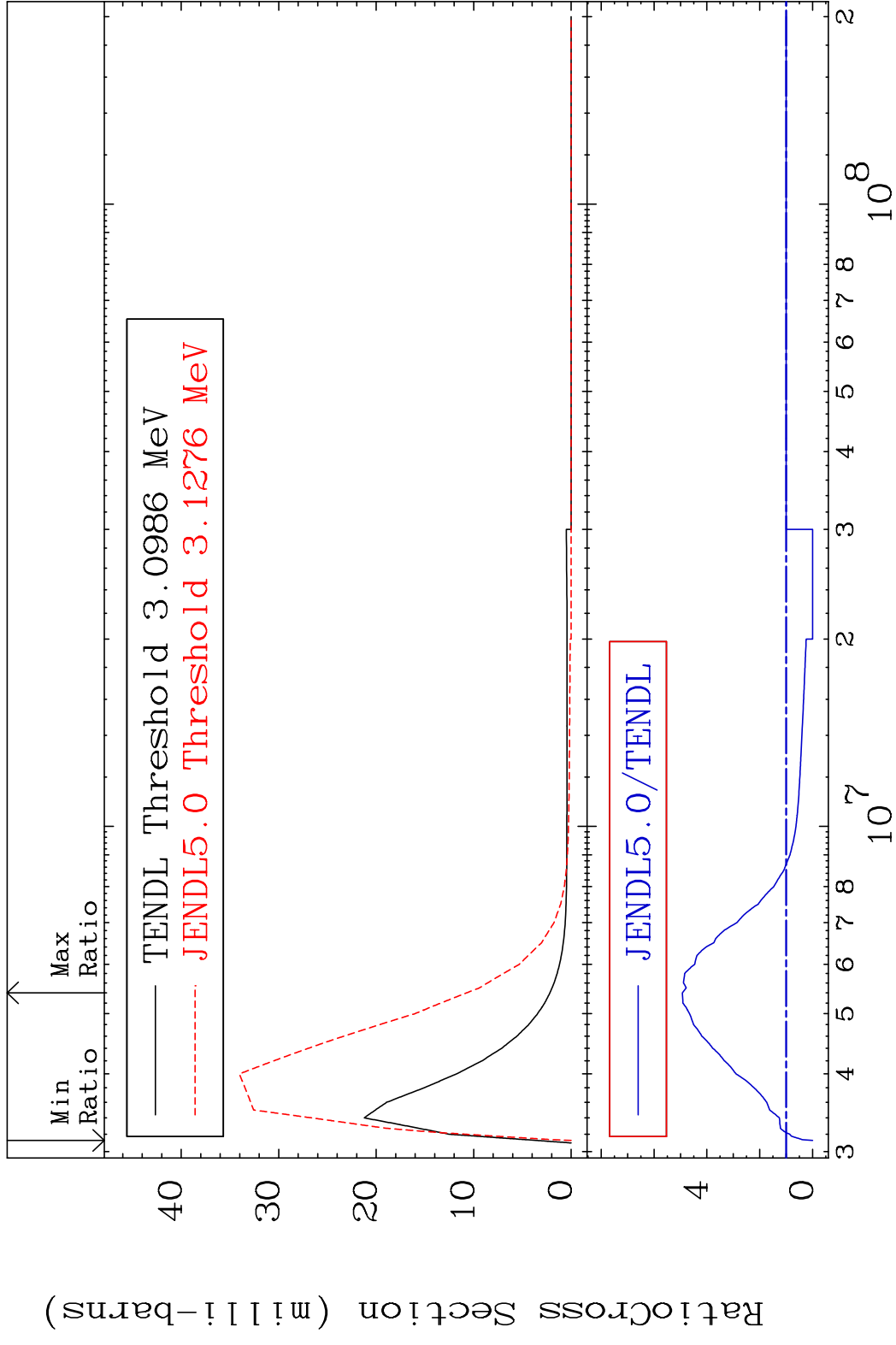
MAT 5031 MT= 73 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %



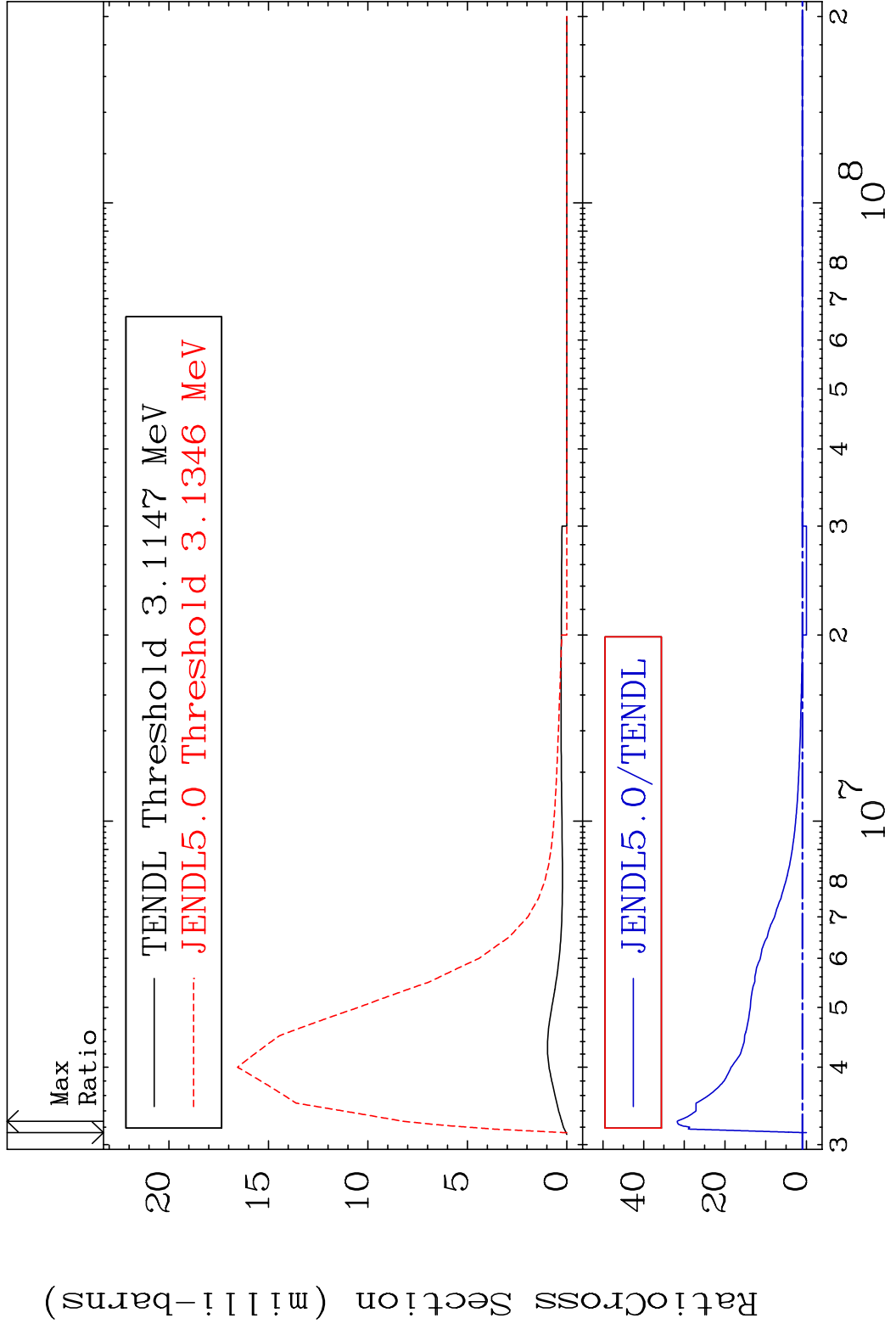
MAT 5031 MT= 74 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %



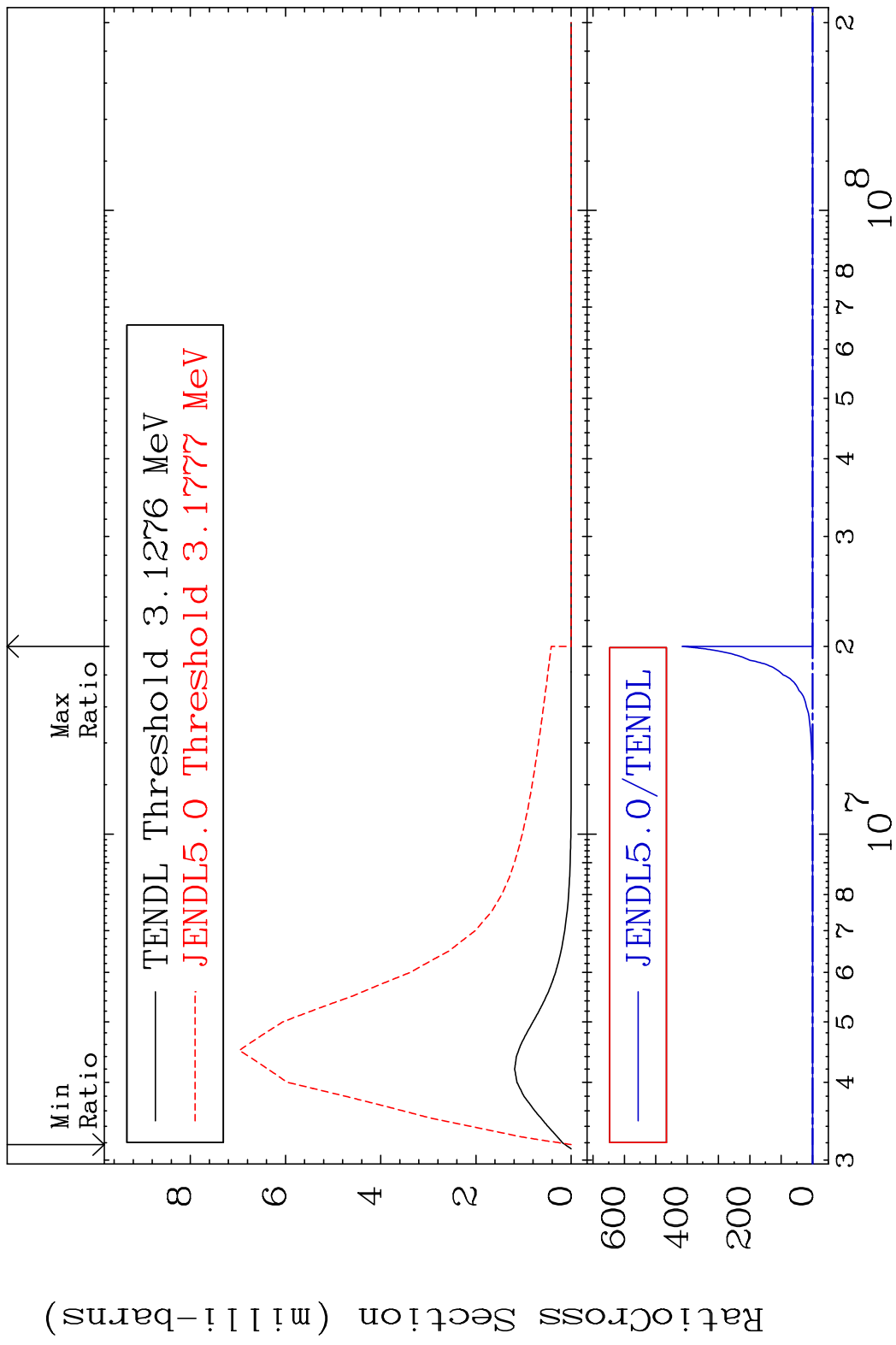
MAT 5031 MT= 75 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 392.9 %



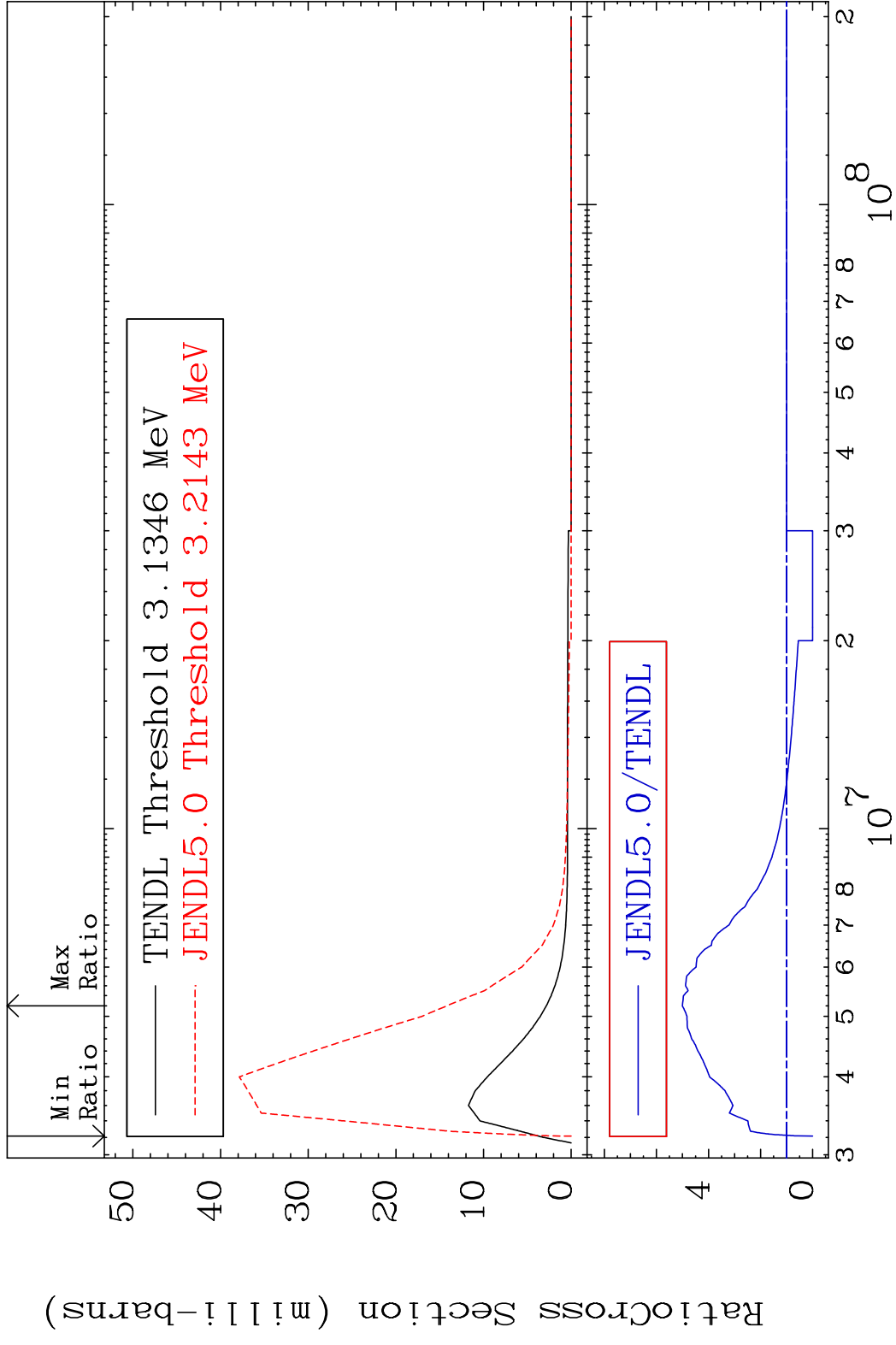
MAT 5031 MT= 76 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 3075. %



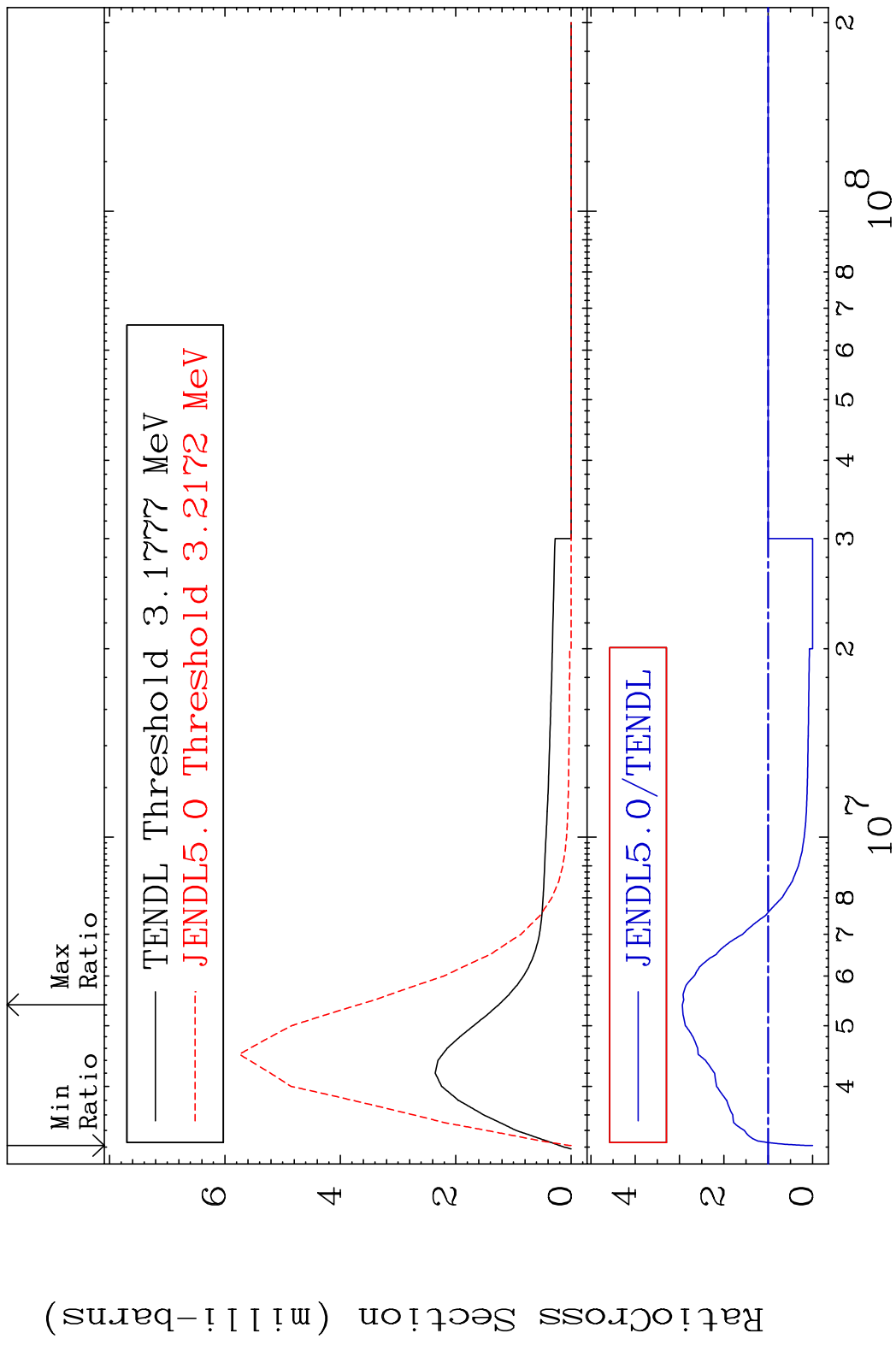
MAT 5031 MT= 77 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 9999. %



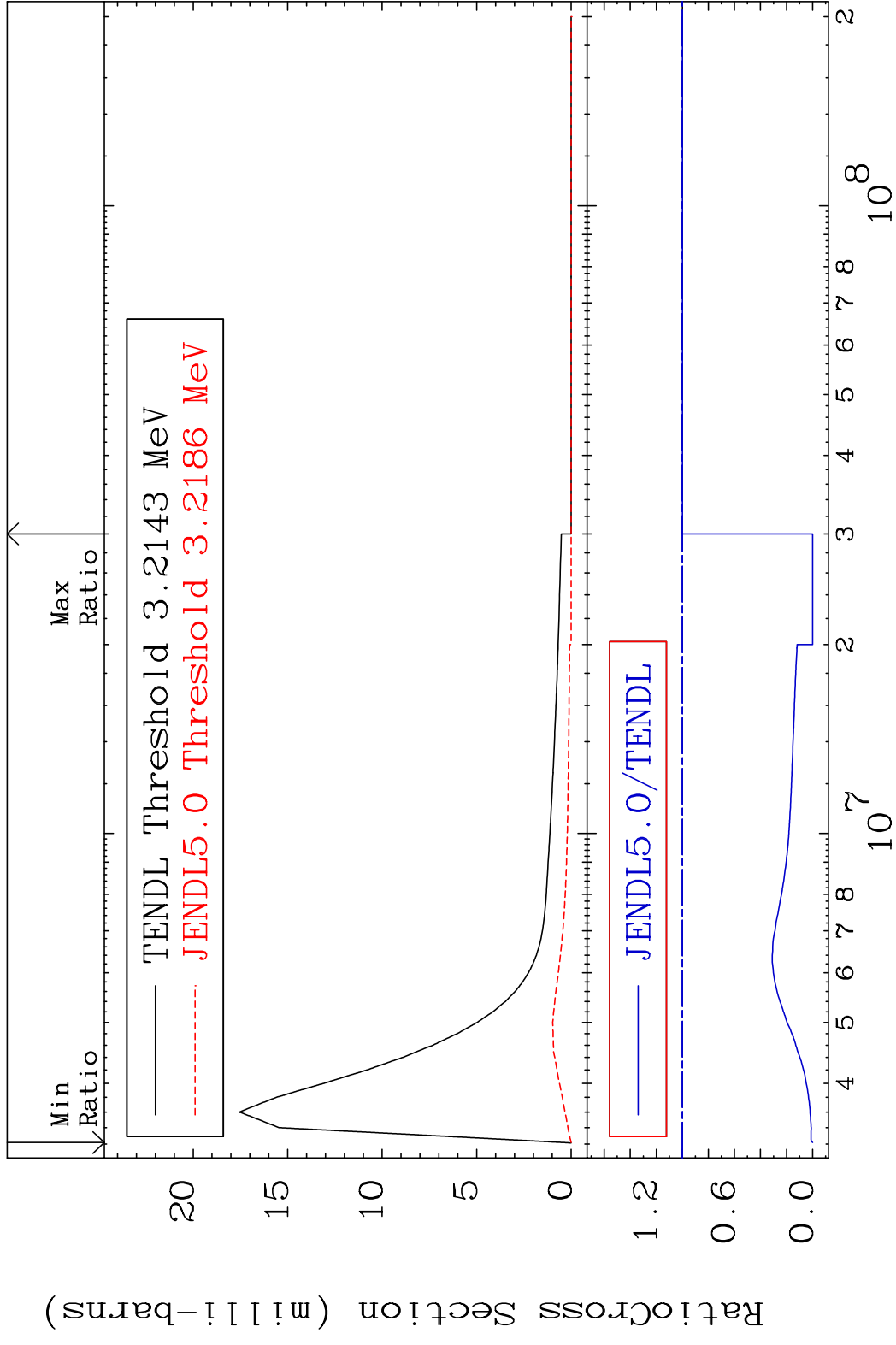
MAT 5031 MT= 78 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 400.6 %



MAT 5031 MT= 79 (n,n') Level 50-Sn-114  
 Cross Section -100.0 To 193.6 %



MAT 5031 MT= 80 (n, n') Level 50-Sn-114  
 Cross Section -100.0 To 0.000 %





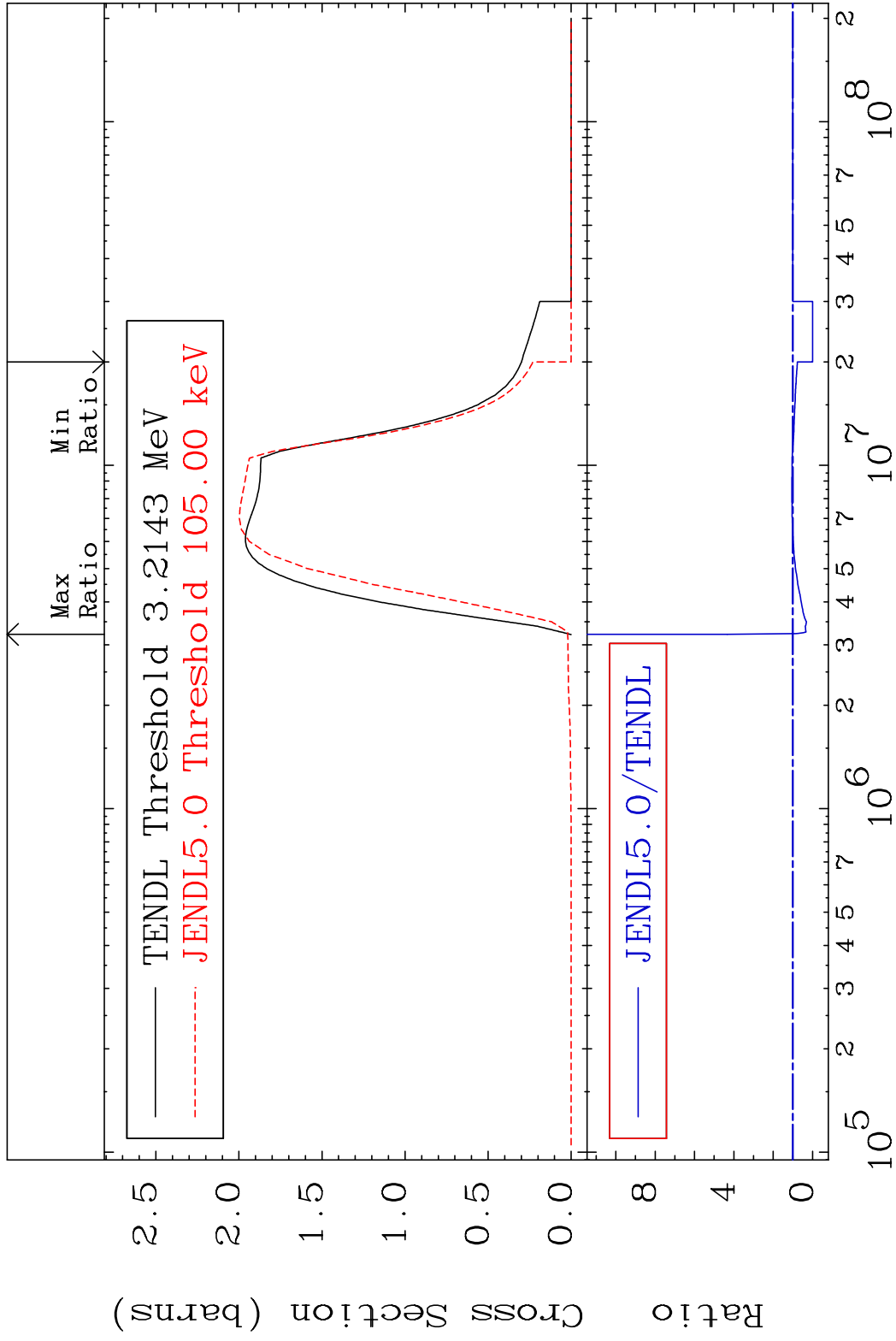
MAT 5031

(n,n') Continuum

50-Sn-114

Cross Section

-100.0 To 561.7 %



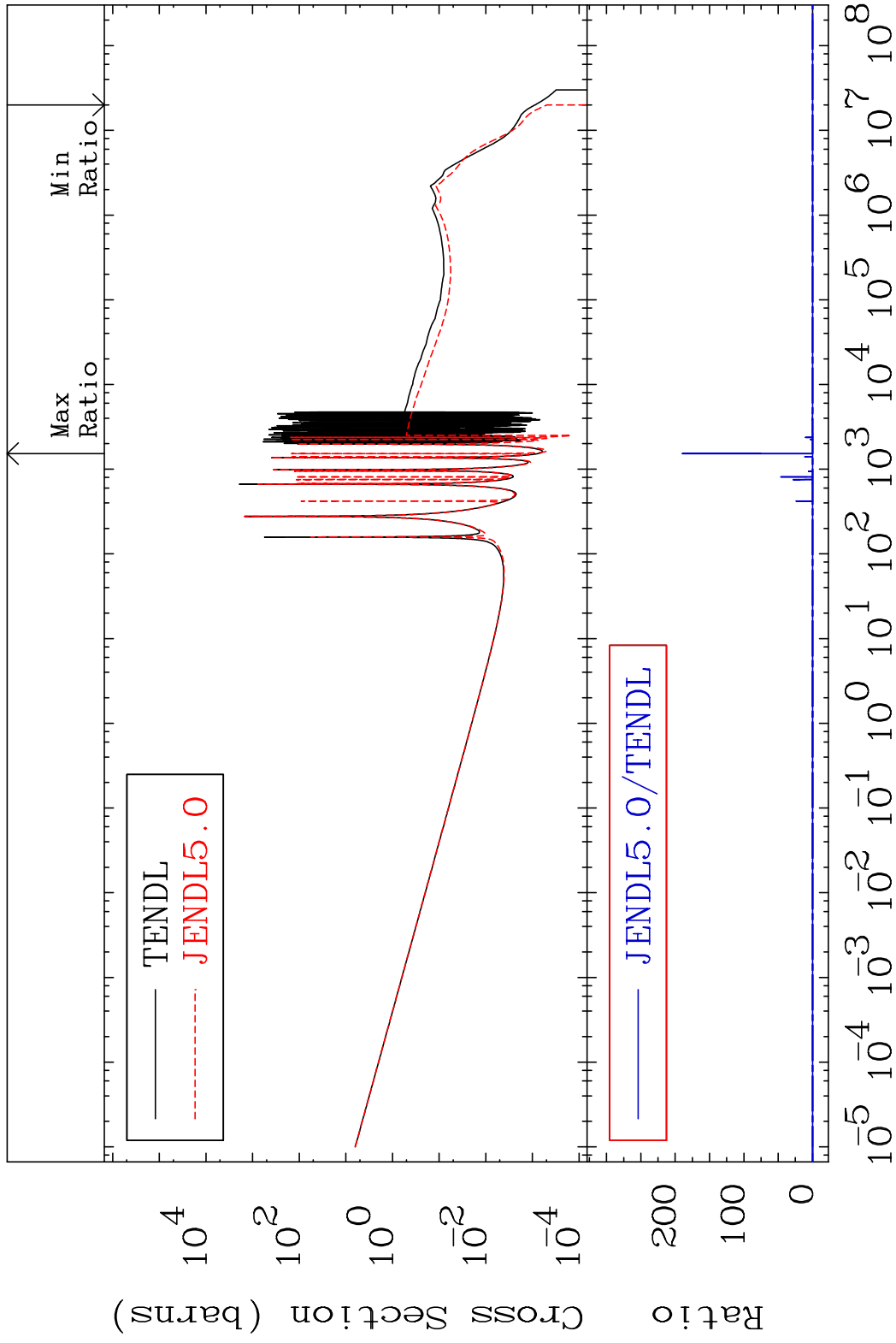
40

Incident Energy (eV)

50-Sn-114

MAT 5031

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %  
50-Sn-114

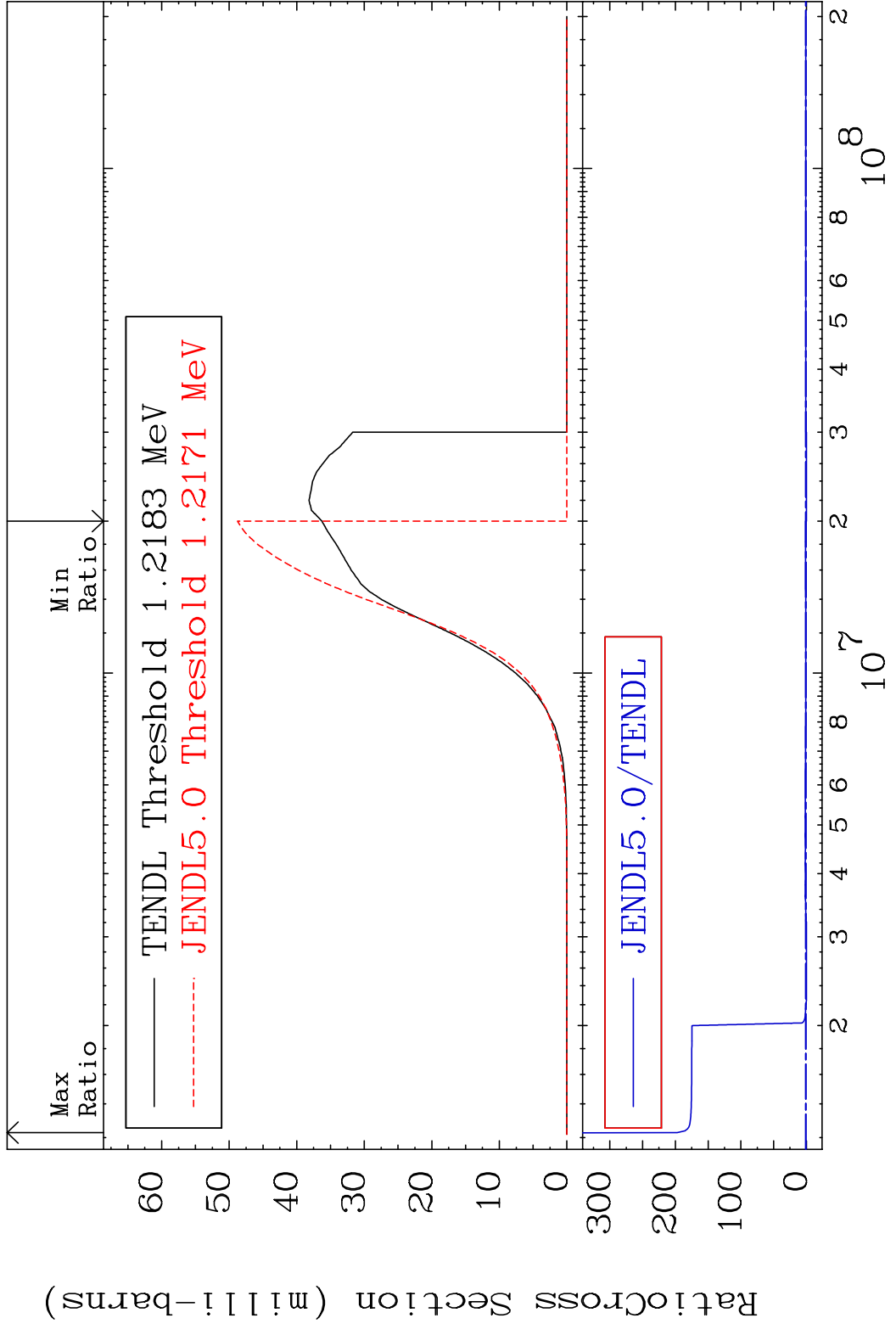


41

Incident Energy (eV)

50-Sn-114

MAT 5031 (n,p) 50-Sn-114  
 Cross Section -100.0 To 9999. %

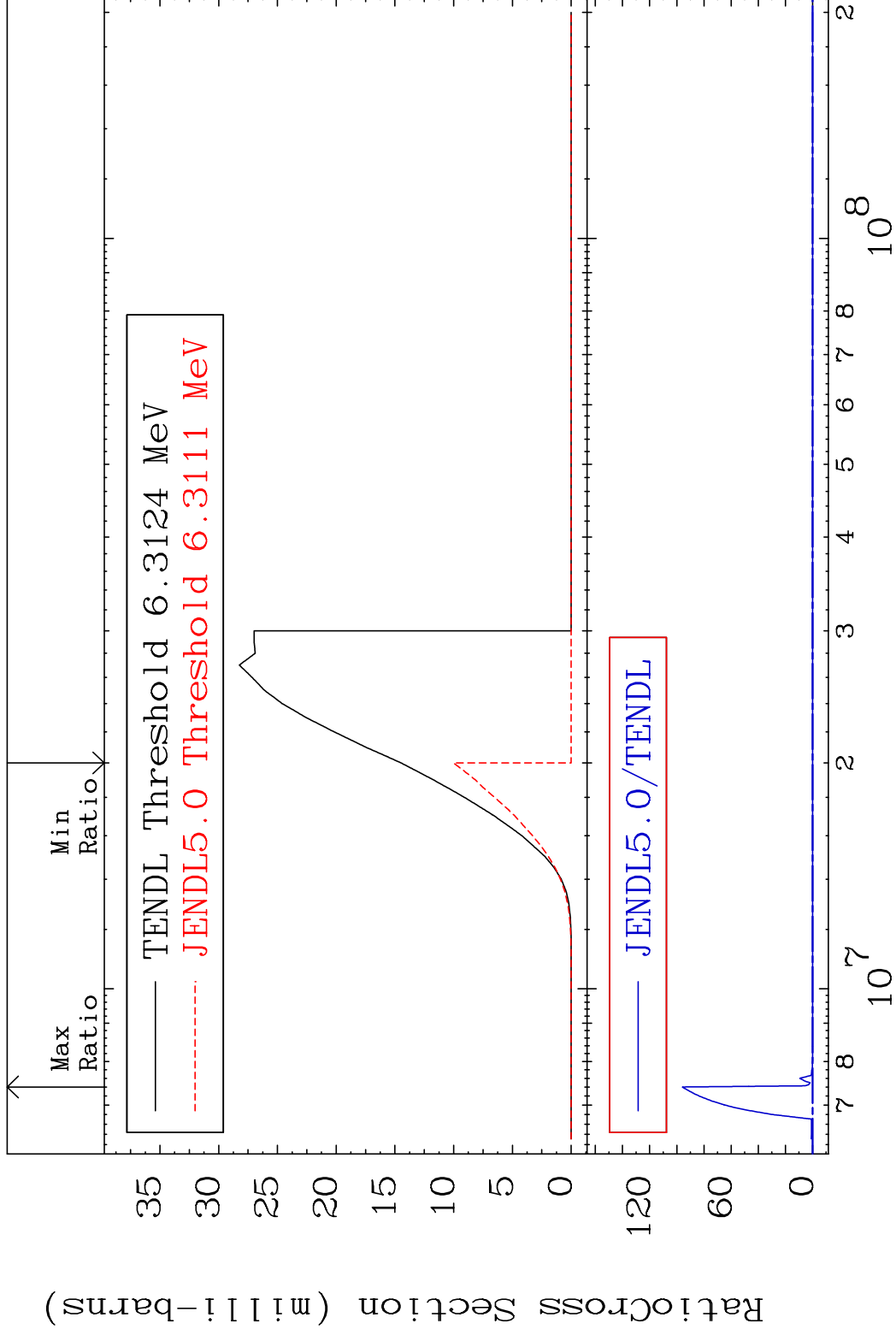


MAT 5031

(n,d)

50-Sn-114

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

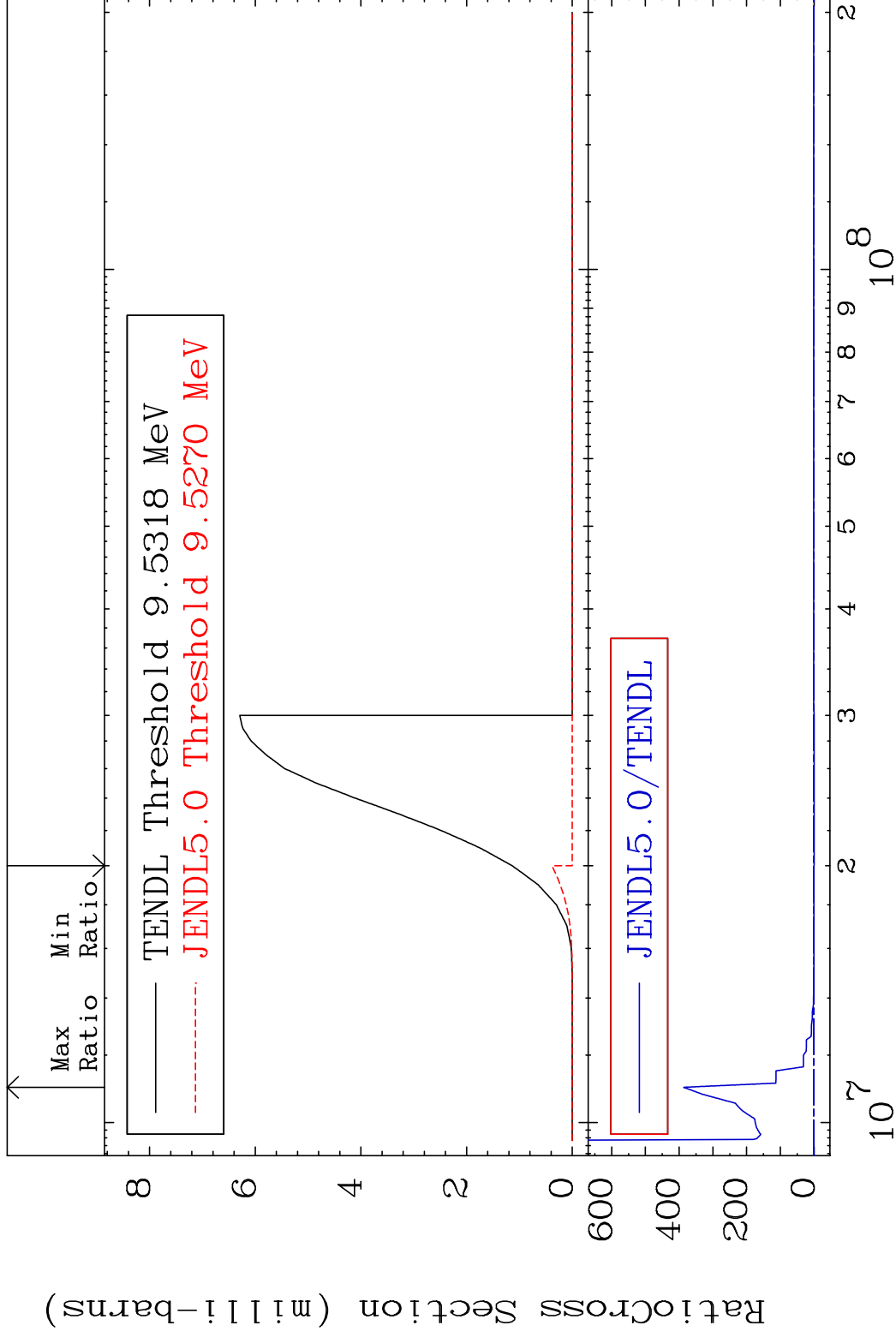
50-Sn-114

MAT 5031

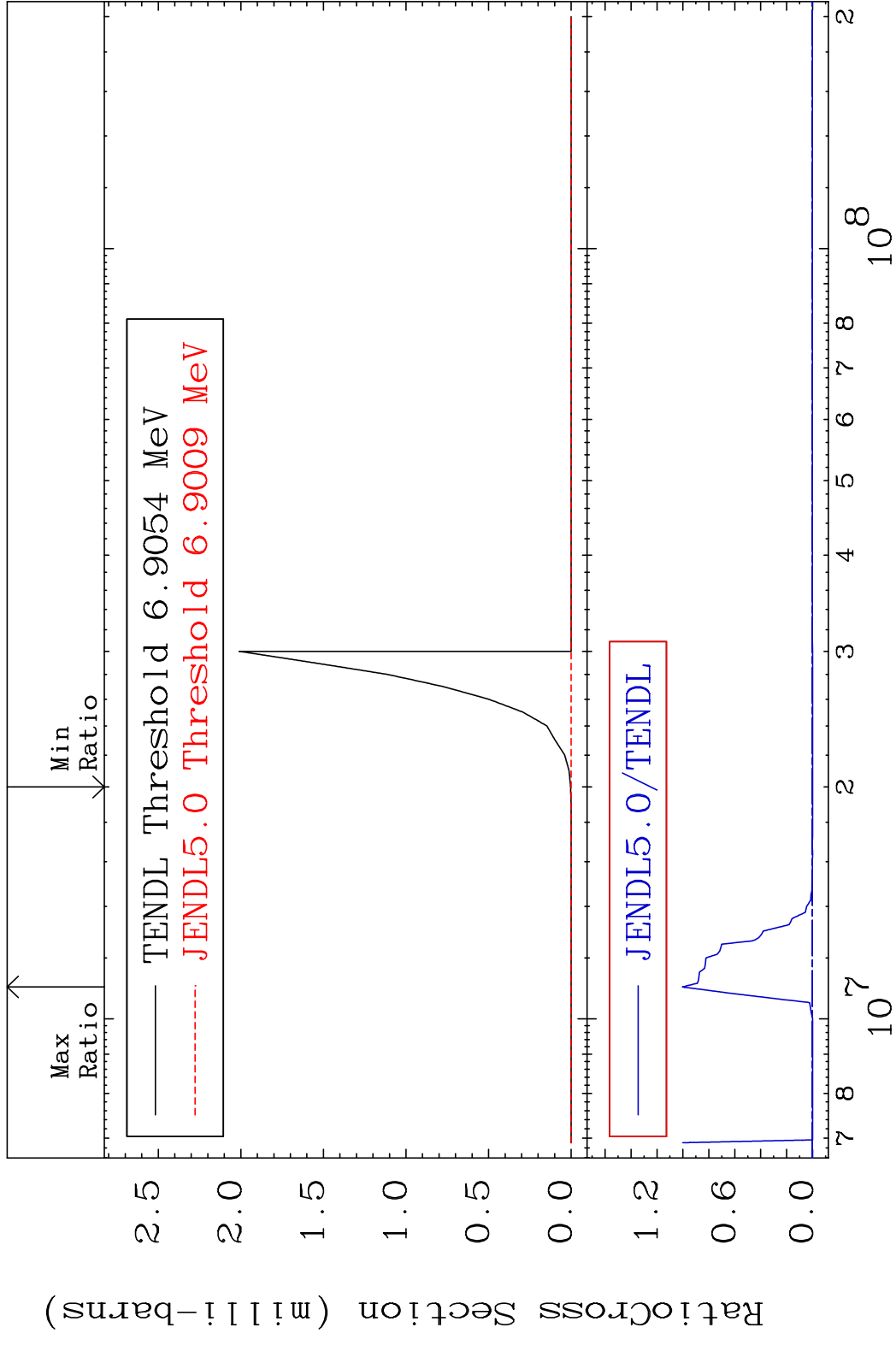
(n, t)

50-Sn-114

Cross Section -100.0 To 9999. %



MAT 5031 (n, He-3) 50-Sn-114  
 Cross Section -100.0 To 9999. %

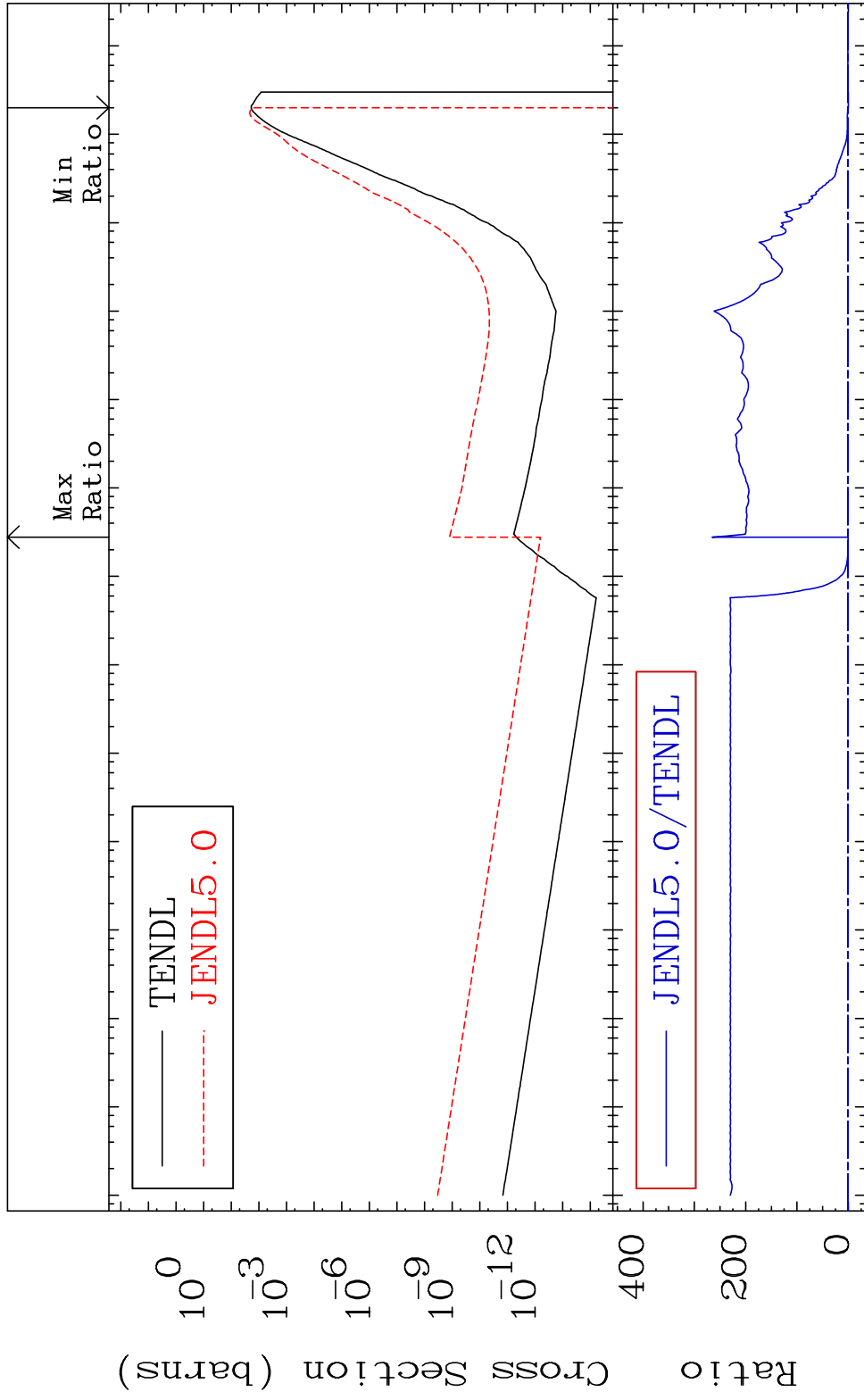


MAT 5031

50-Sn-114

(n,  $\alpha$ )

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

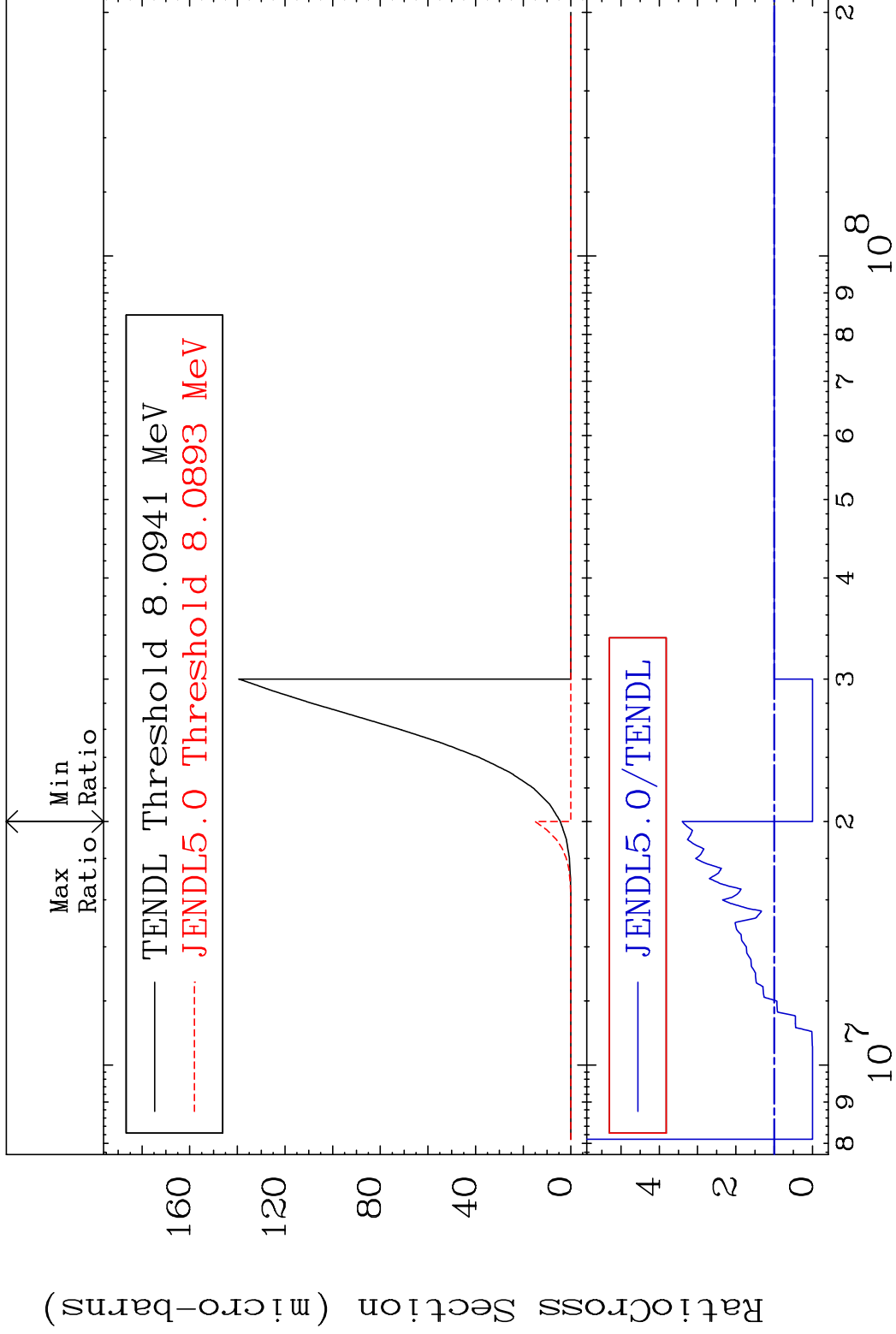
50-Sn-114

MAT 5031

(n,2p)

50-Sn-114

Cross Section -100.0 To 240.3 %



47

Incident Energy (eV)

50-Sn-114

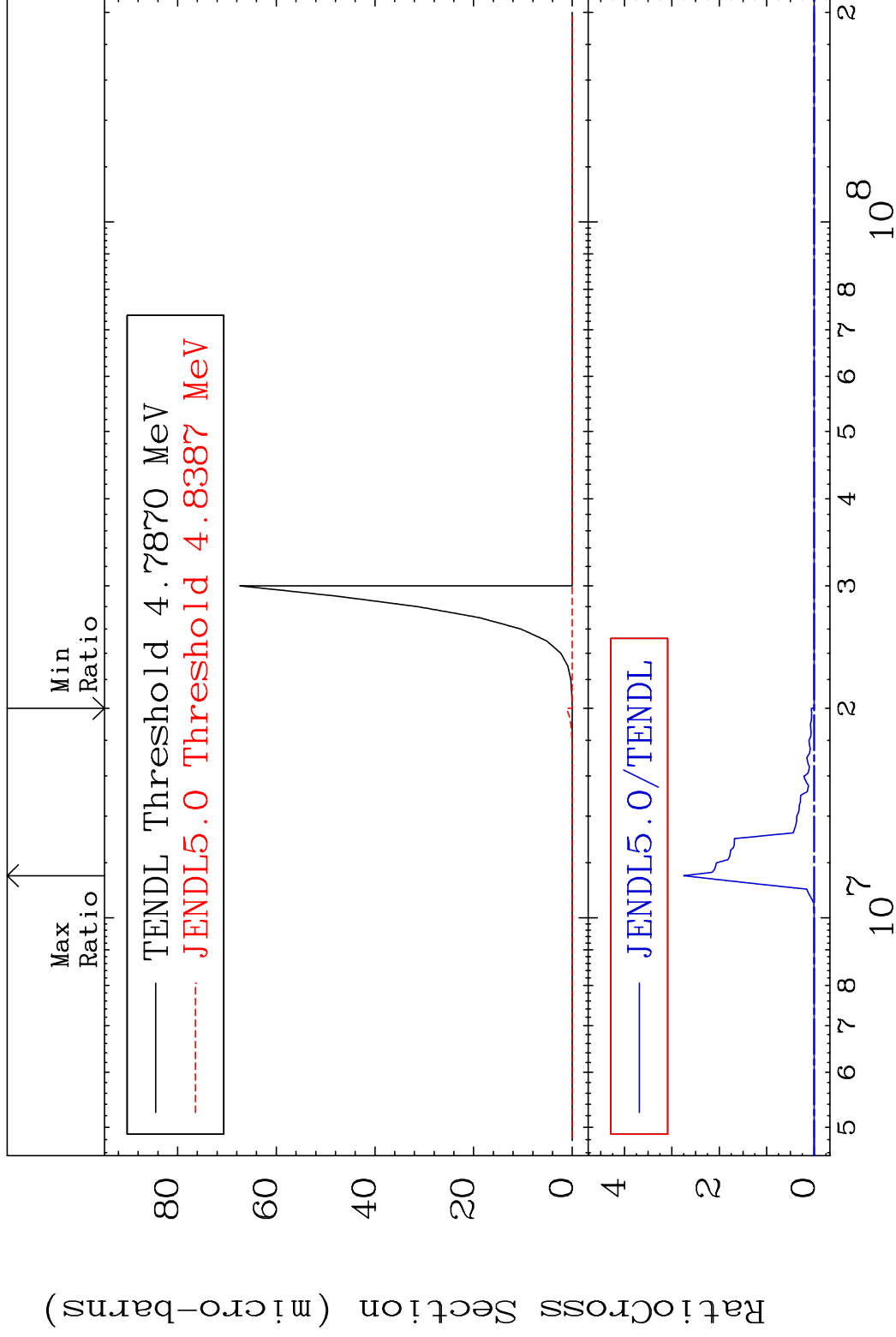


MAT 5031

(n,p)  $\alpha$

50-Sn-114

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

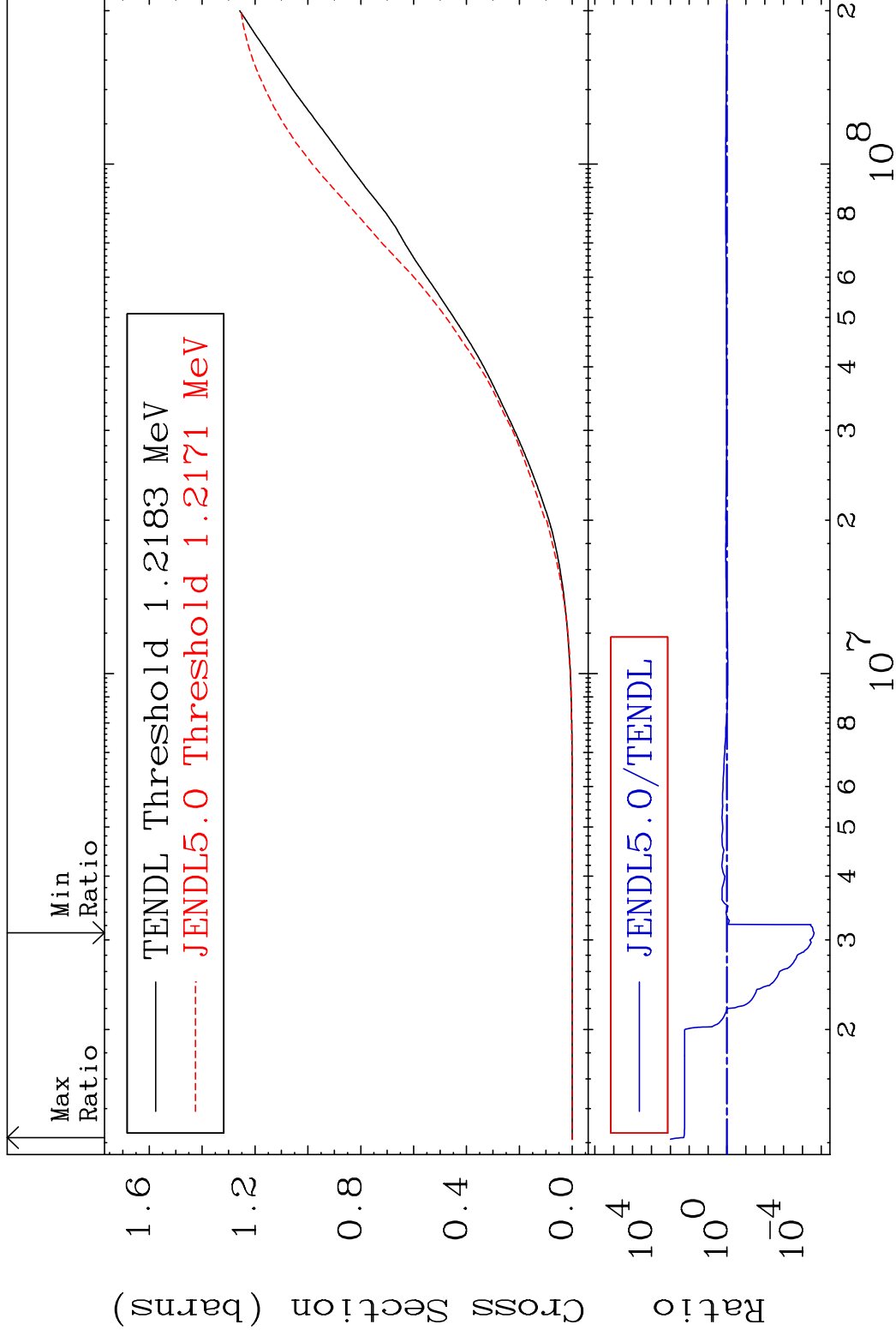
50-Sn-114

MAT 5031

Hydrogen Production

50-Sn-114

Cross Section -100.0 To 9999. %

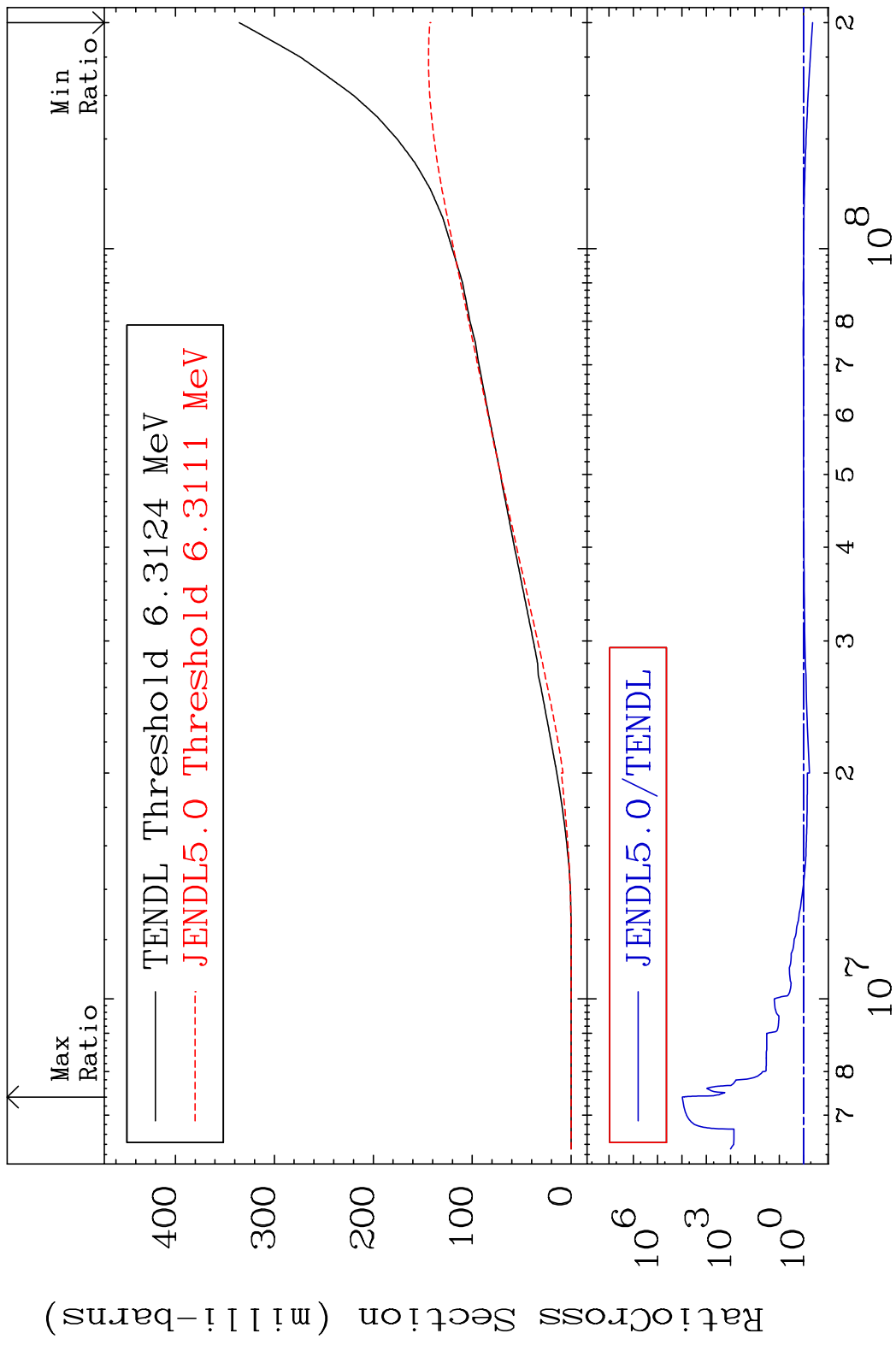


49

Incident Energy (eV)

50-Sn-114

MAT 5031 Deuterium Production 50-Sn-114  
 Cross Section -57.41 To 9999. %



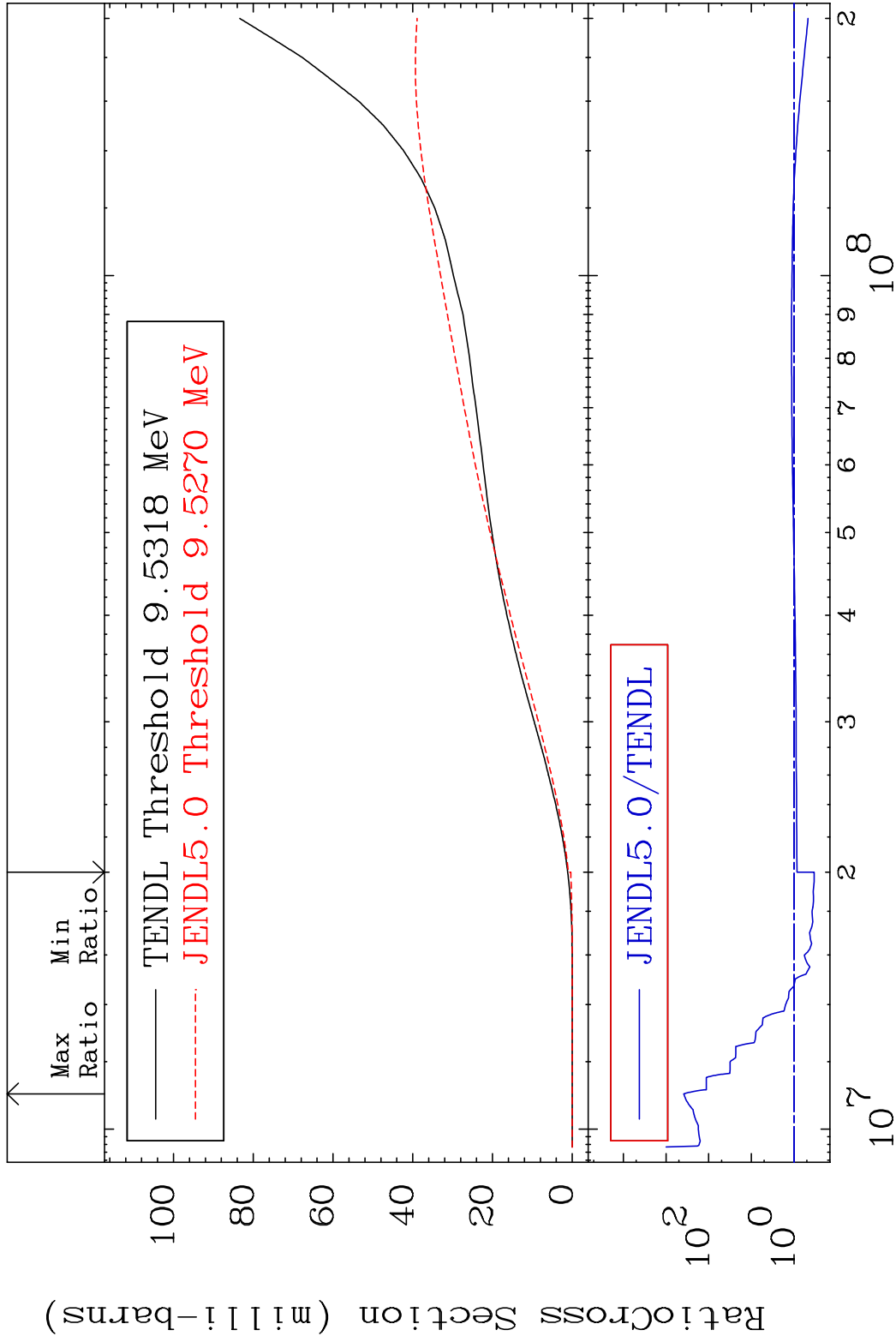
50 10<sup>7</sup> 10<sup>8</sup> 2 50-Sn-114

MAT 5031

Tritium Production

50-Sn-114

Cross Section -66.31 To 9999. %



51

Incident Energy (eV)

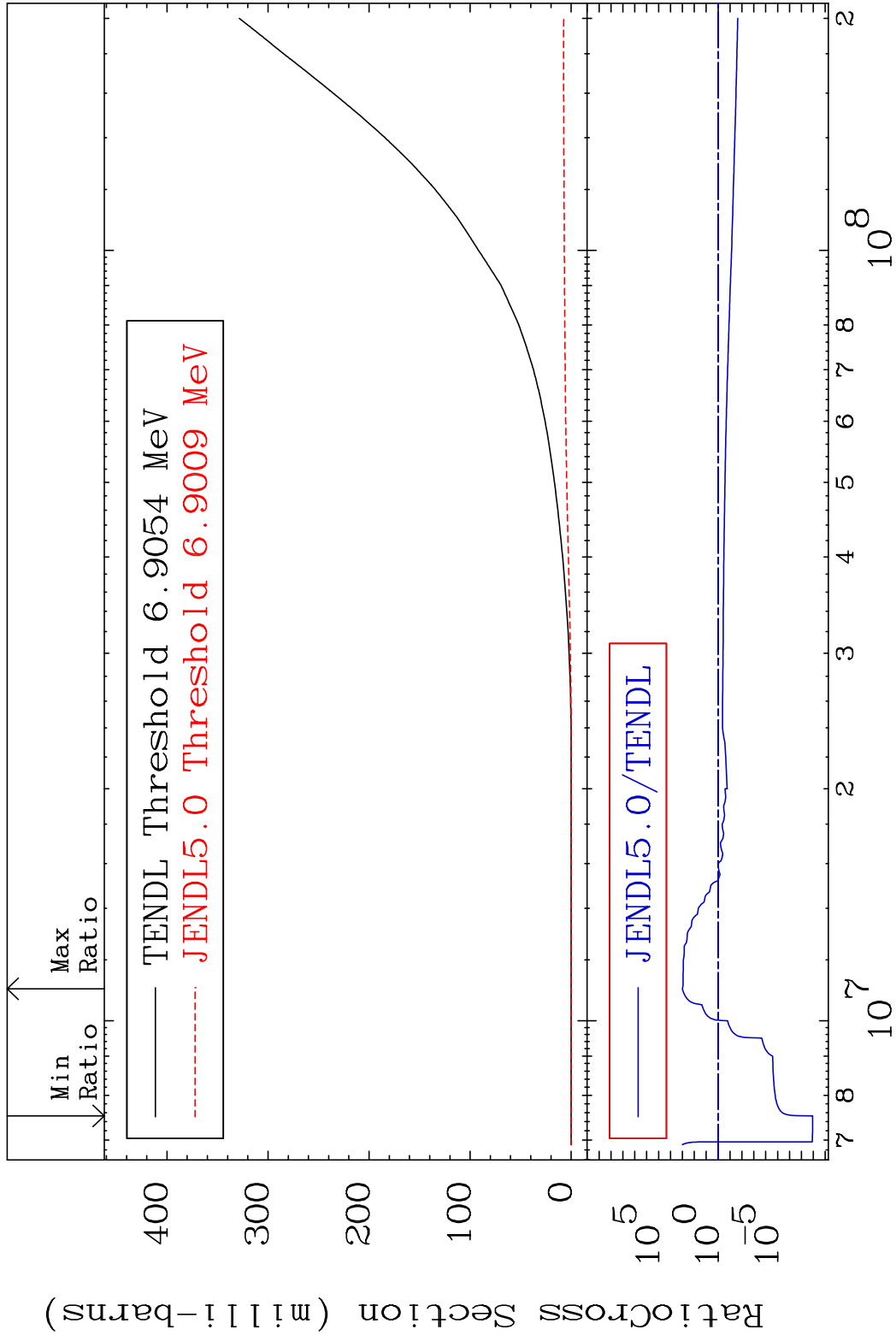
50-Sn-114

MAT 5031

He-3 Production

50-Sn-114

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

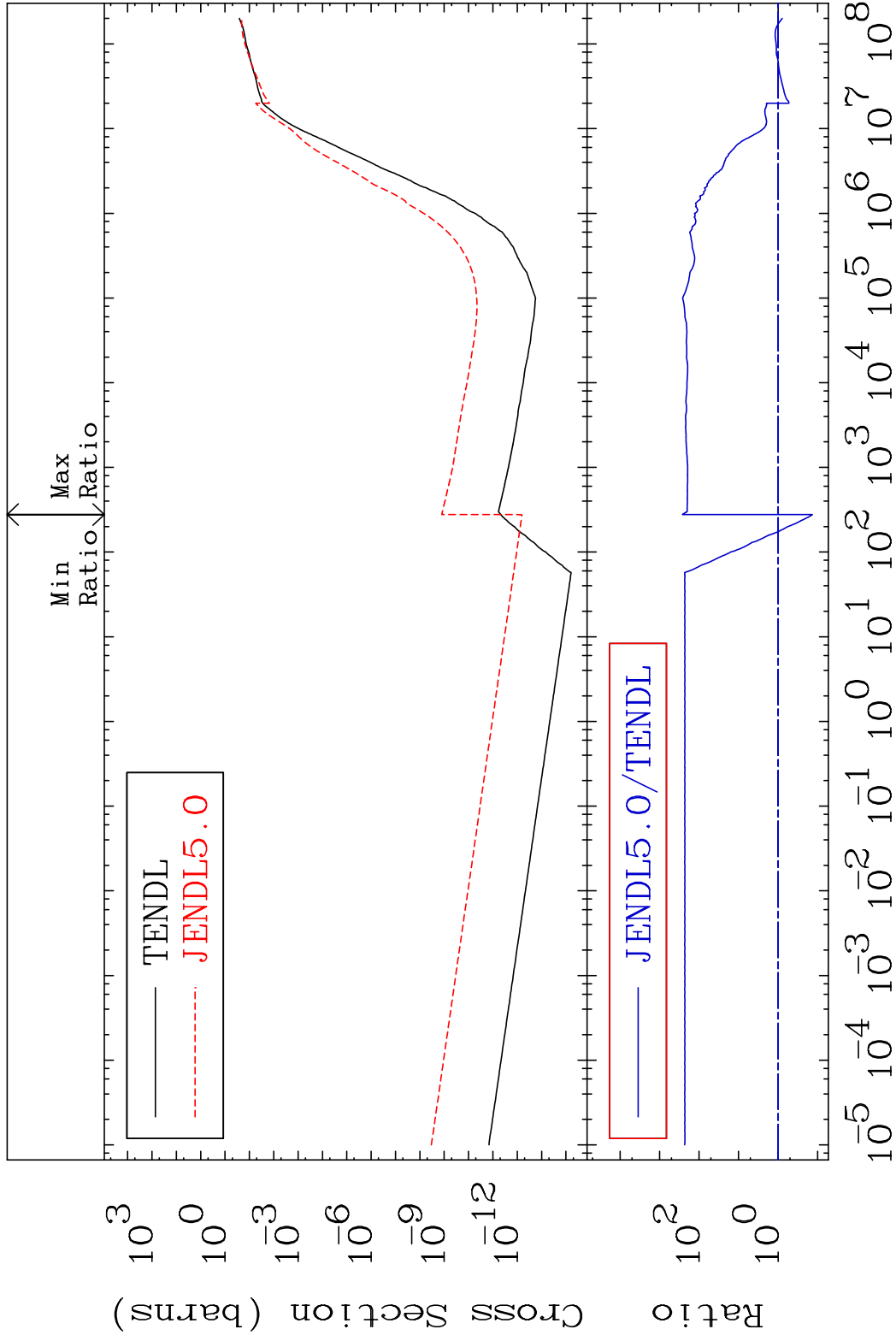
50-Sn-114

MAT 5031

He-4 Production

50-Sn-114

Cross Section -86.61 To 9999. %

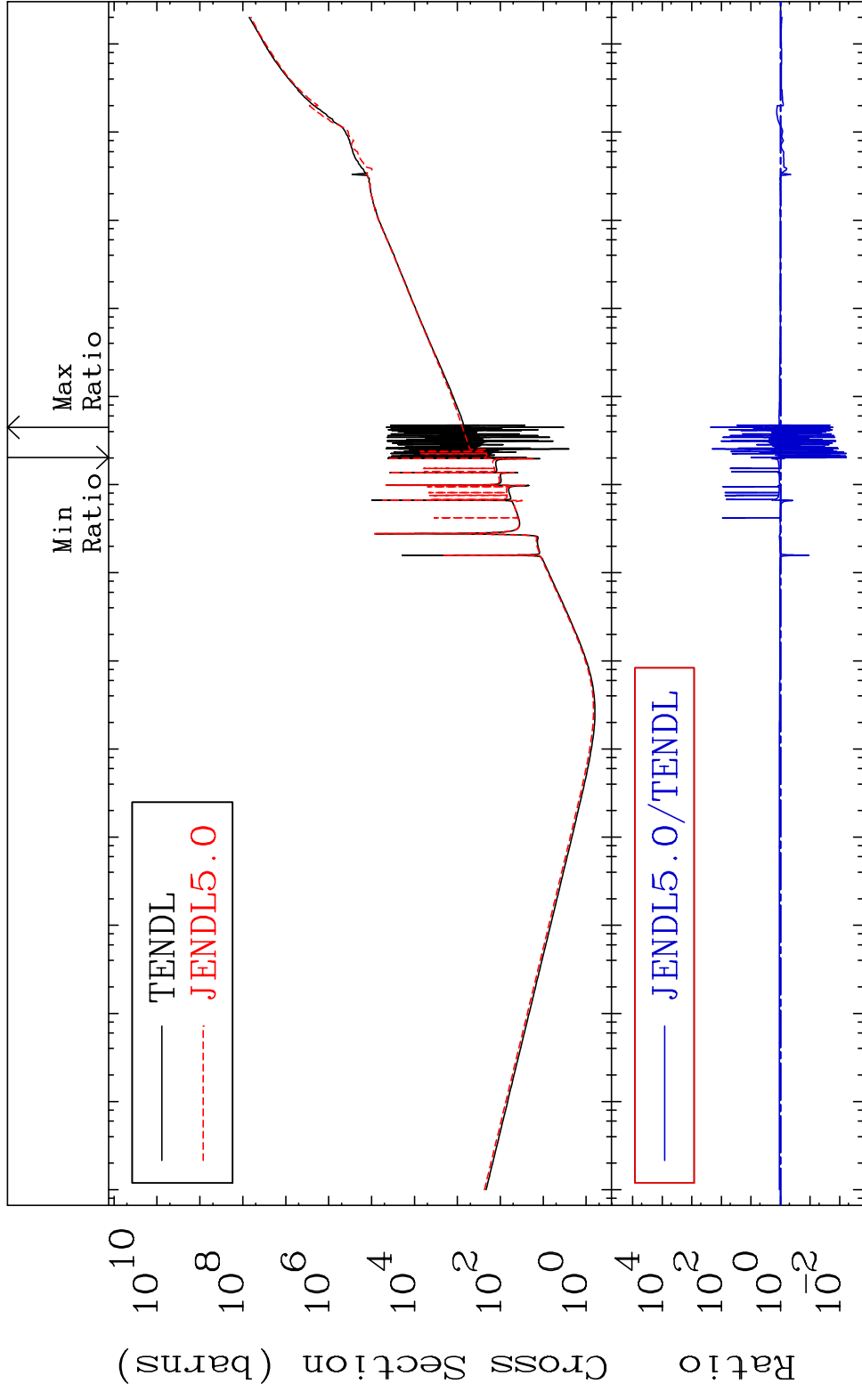


53

Incident Energy (eV)

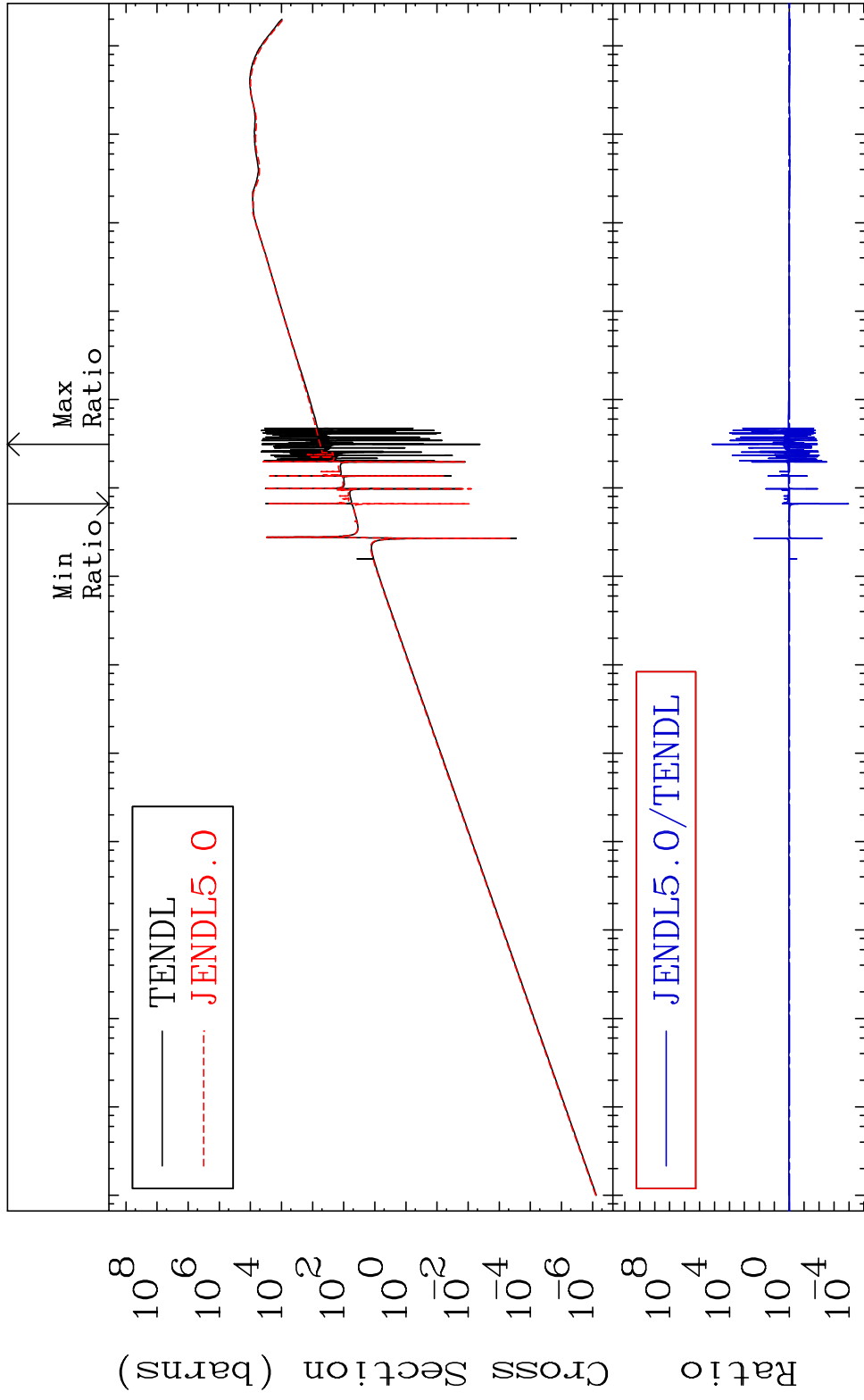
50-Sn-114

MAT 5031 Kerma total (eV-barns) 50-Sn-114  
 Cross Section -99.40 To 9999. %



MAT 5031

Kerma elastic Cross Section -99.99 To 9999. %  
50-Sn-114



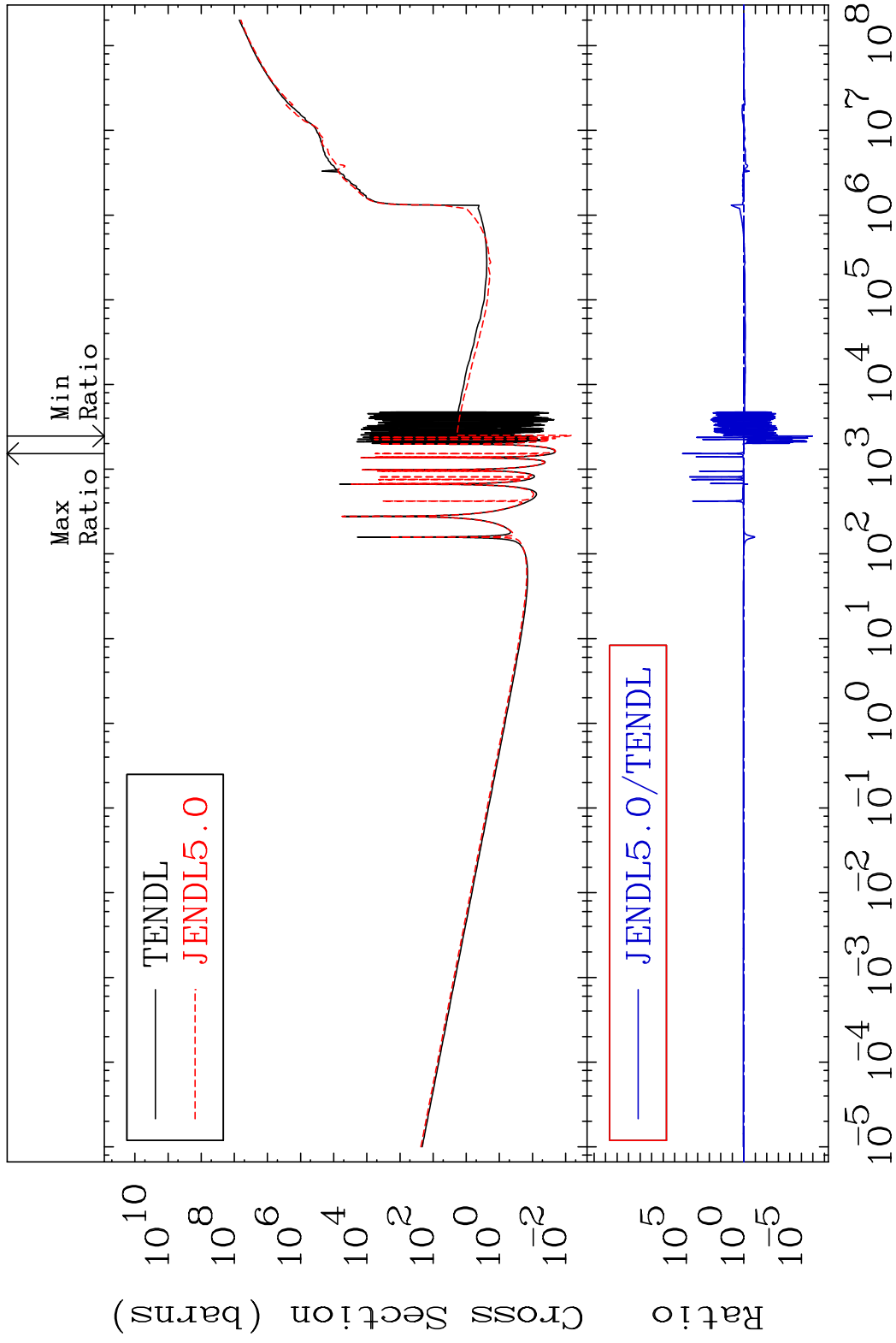
55

Incident Energy (eV)

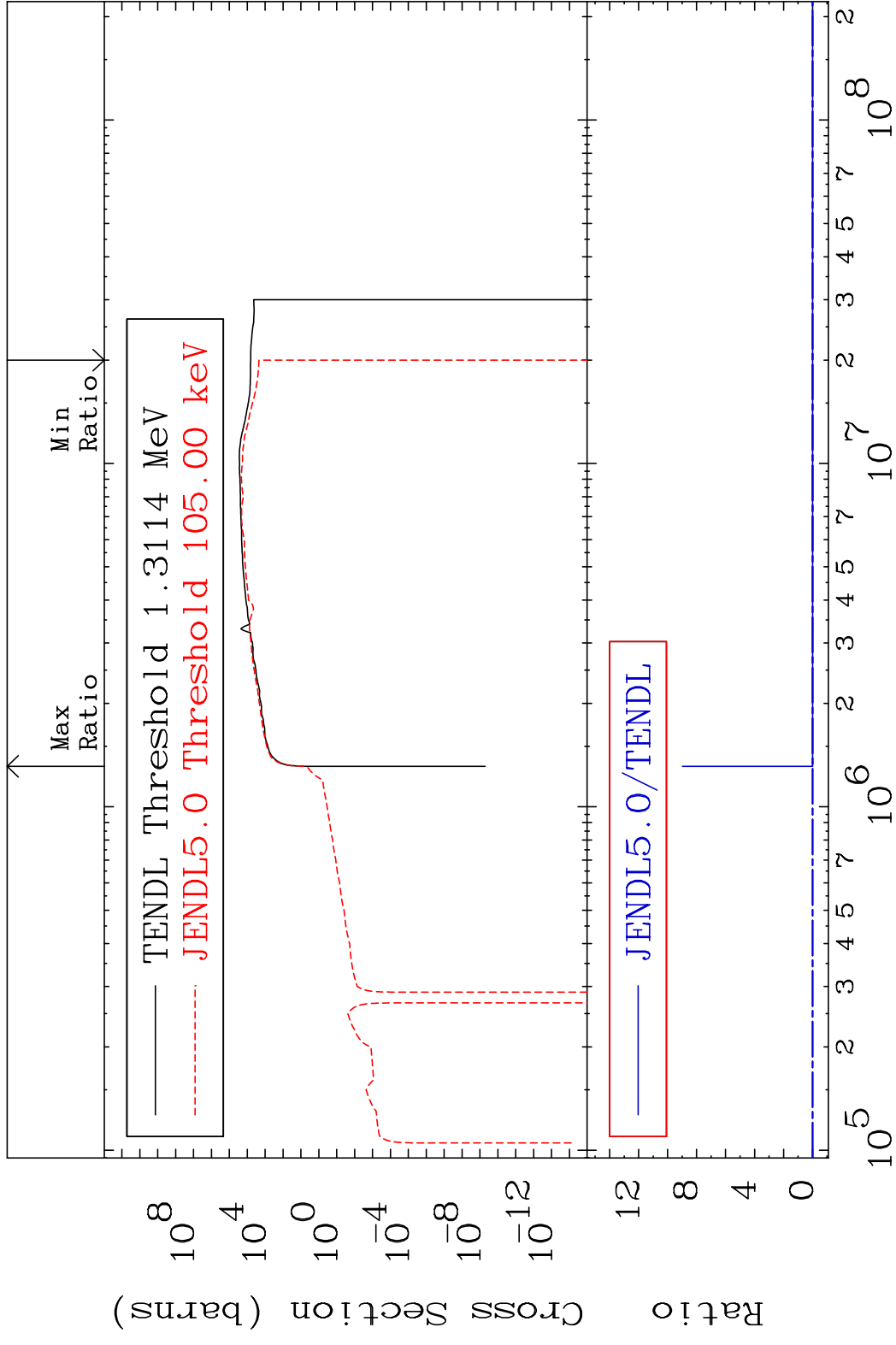
50-Sn-114



MAT 5031 Kerma non-elastic (all but mt2) 50-Sn-114  
 Cross Section -100.0 To 9999. %

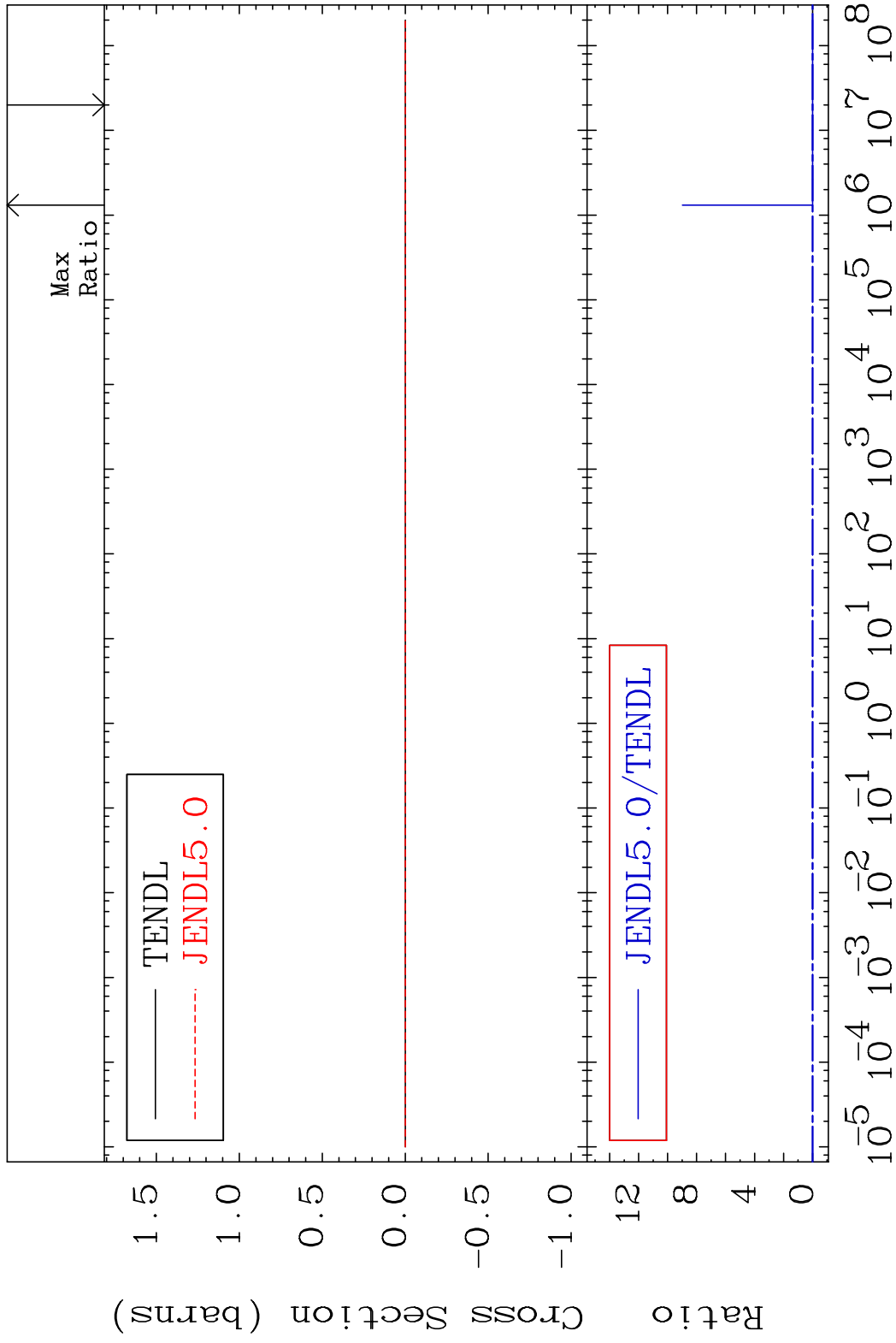


MAT 5031 Kerma inelastic (mt51-91) 50-Sn-114  
 Cross Section -100.0 To 9999. %



57 Incident Energy (eV) 50-Sn-114

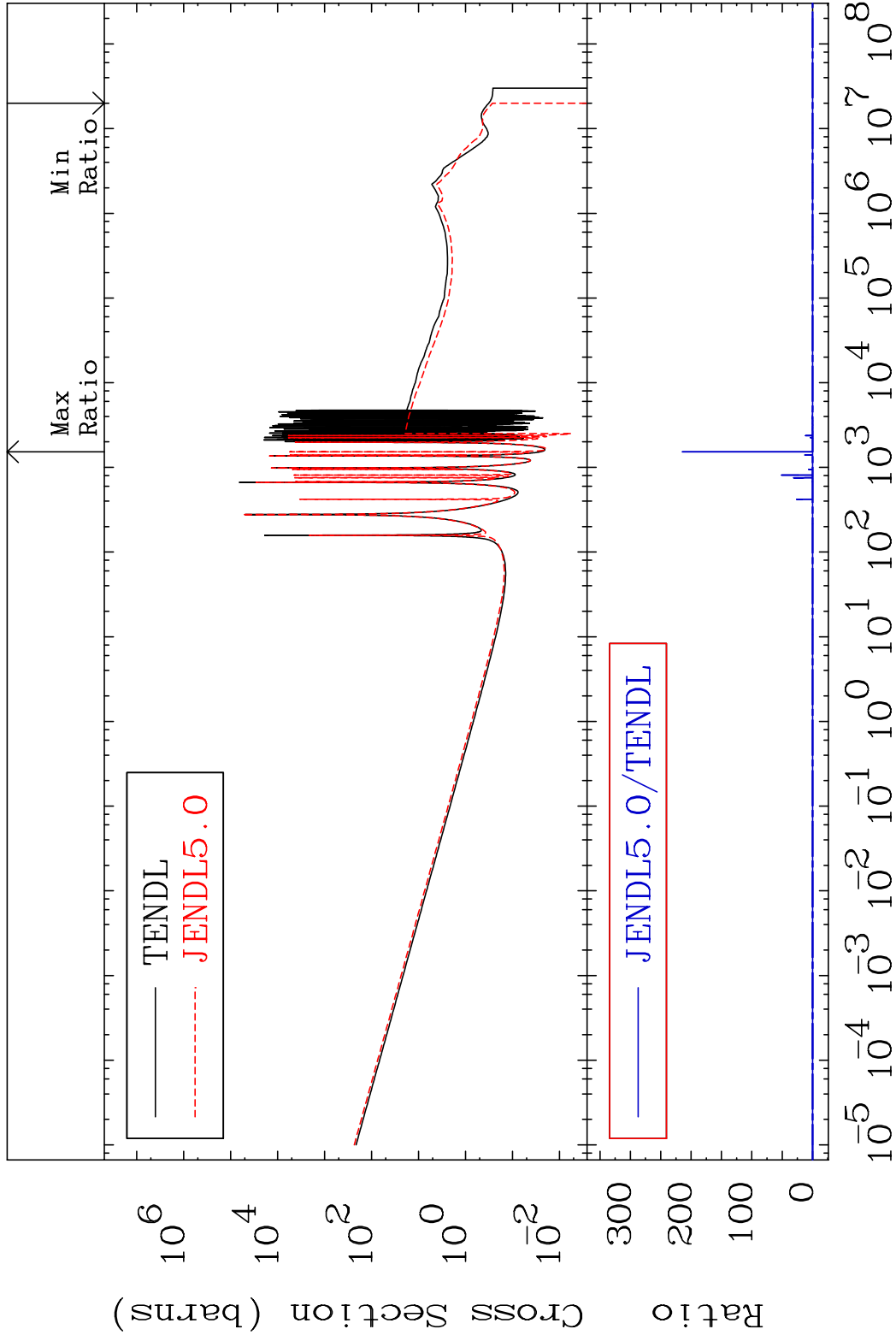
MAT 5031 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-114  
 Cross Section -100.0 To 9999. %



MAT 5031

Kerma capture (mt102) 50-Sn-114

Cross Section -100.0 To 9999. %

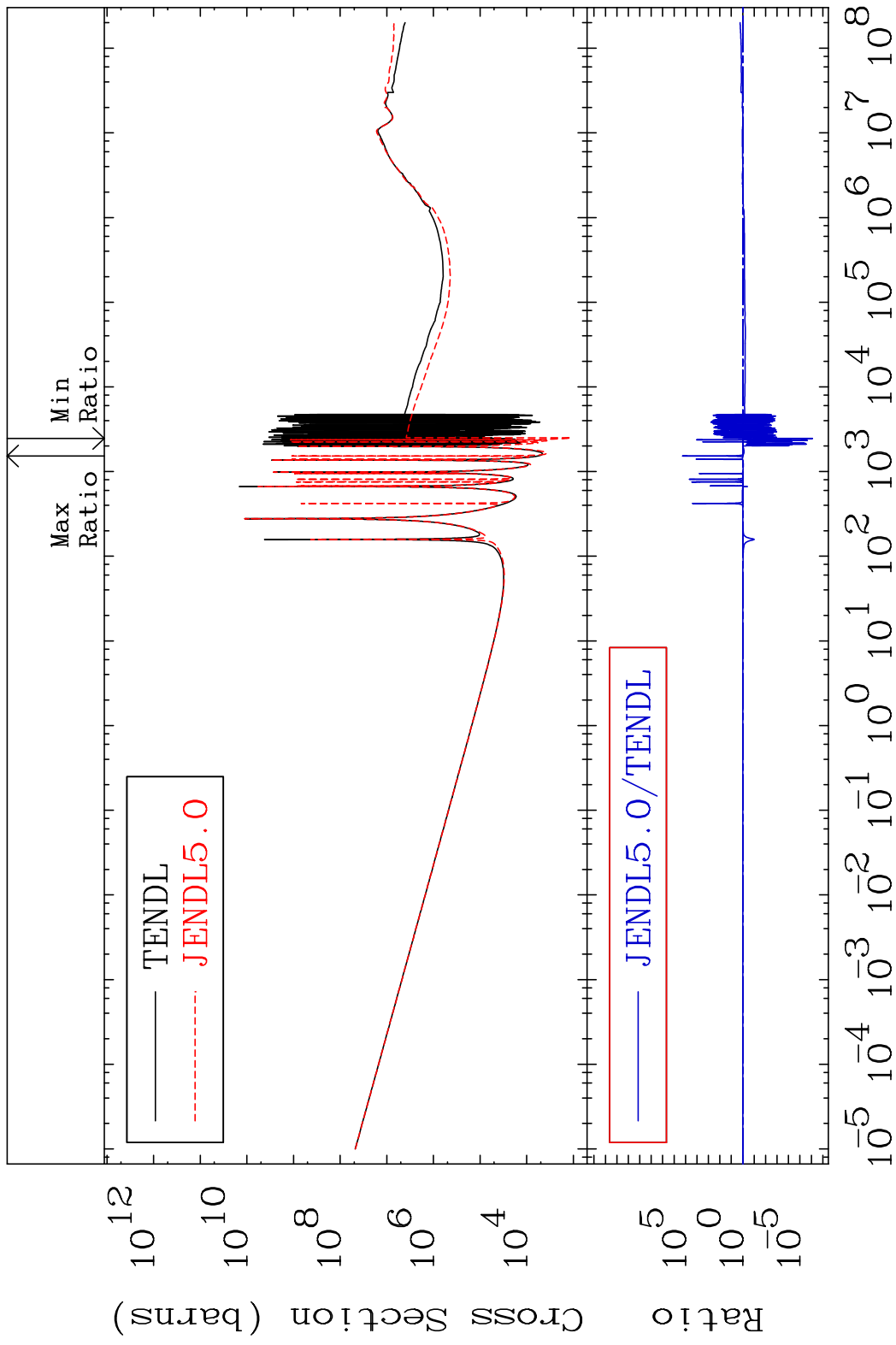


59

Incident Energy (eV)

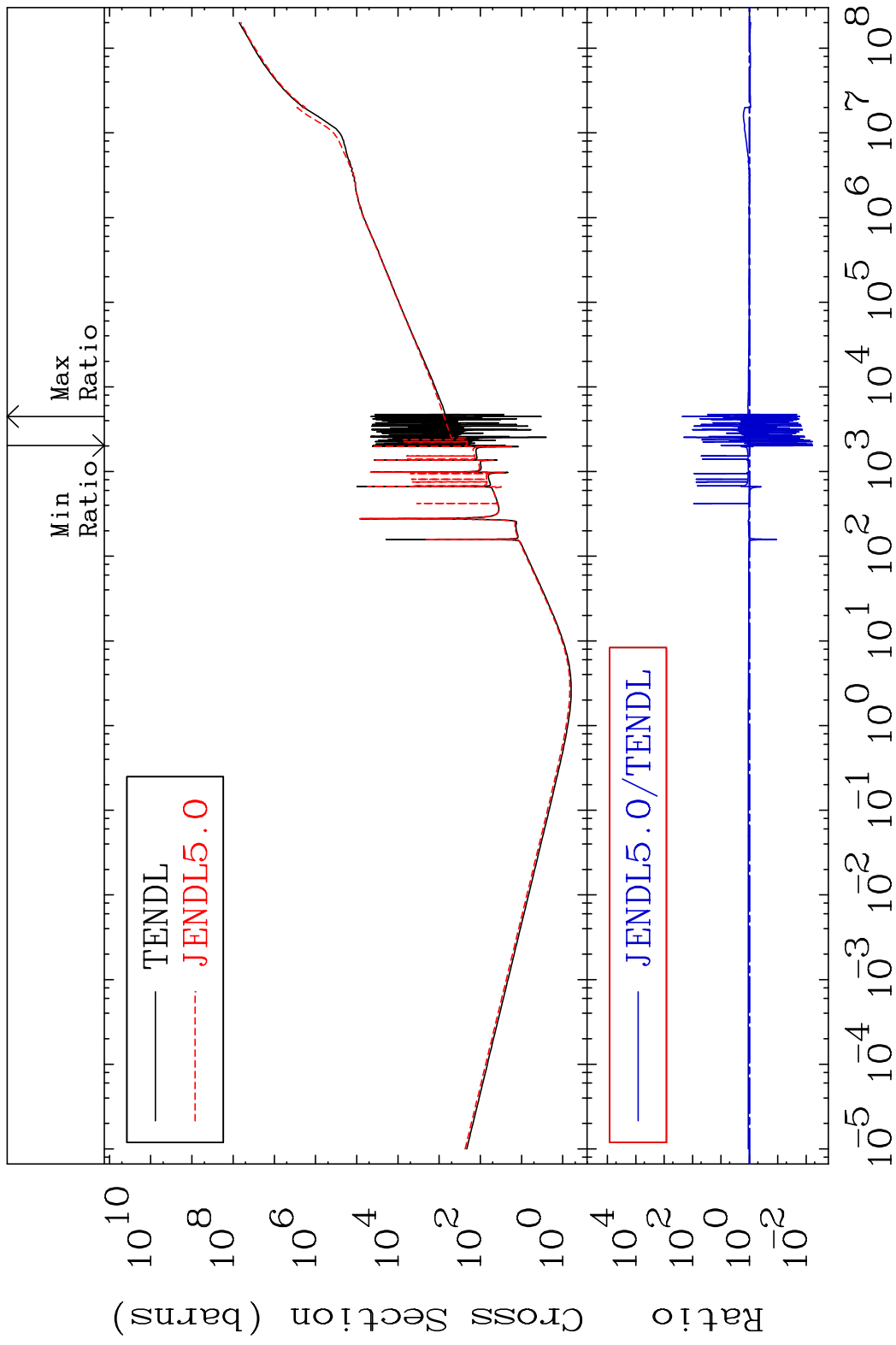
50-Sn-114

MAT 5031 Total photon (eV-barns) 50-Sn-114  
Cross Section -100.0 To 9999. %

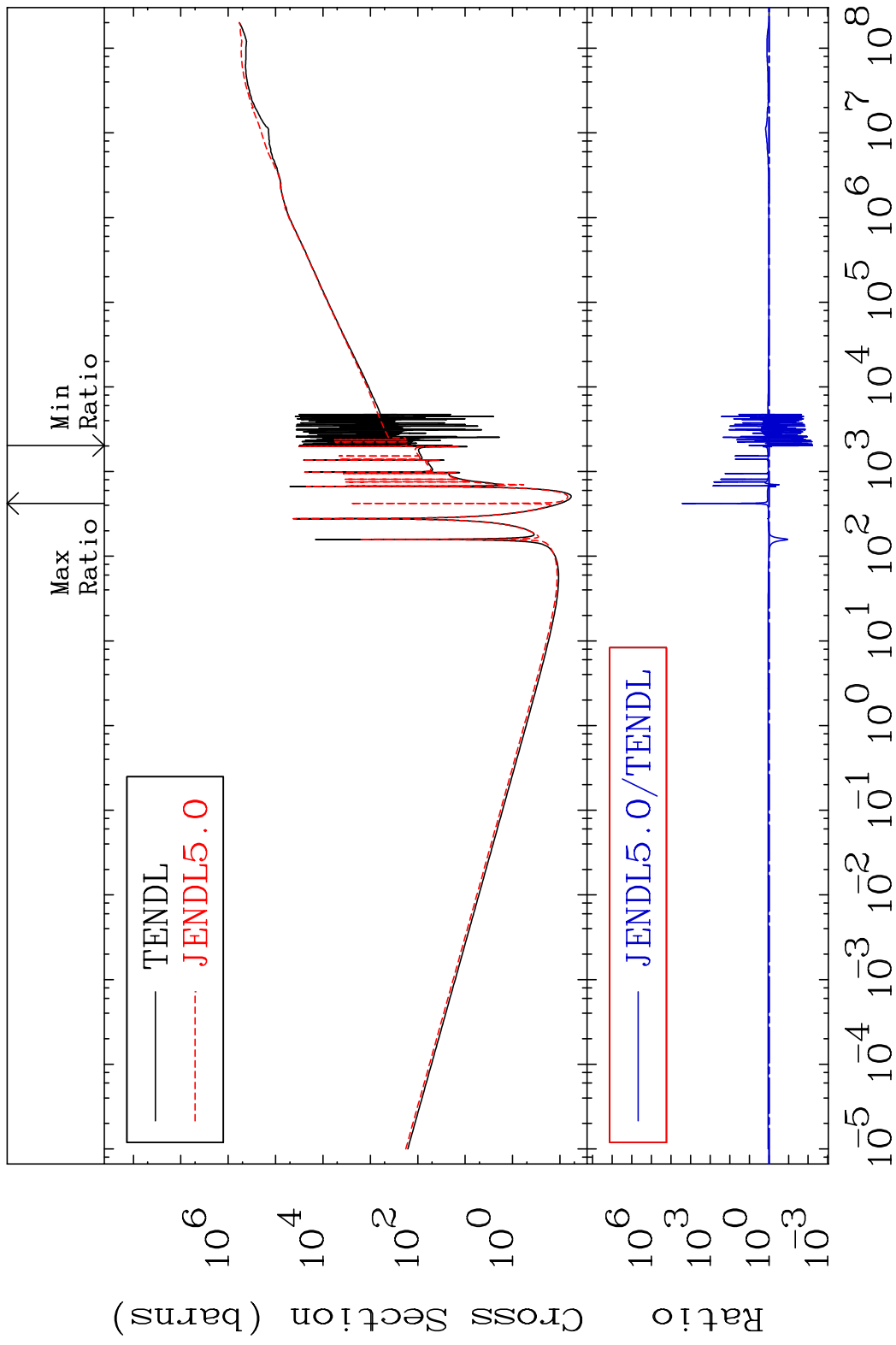


60 Incident Energy (eV) 50-Sn-114

MAT 5031 Total kinematic kerma (high limit) 50-Sn-114  
 Cross Section -99.40 To 9999. %



MAT 5031      Dpa total (eV-barns)      50-Sn-114  
 Cross Section      -99.40 To 9999.      %

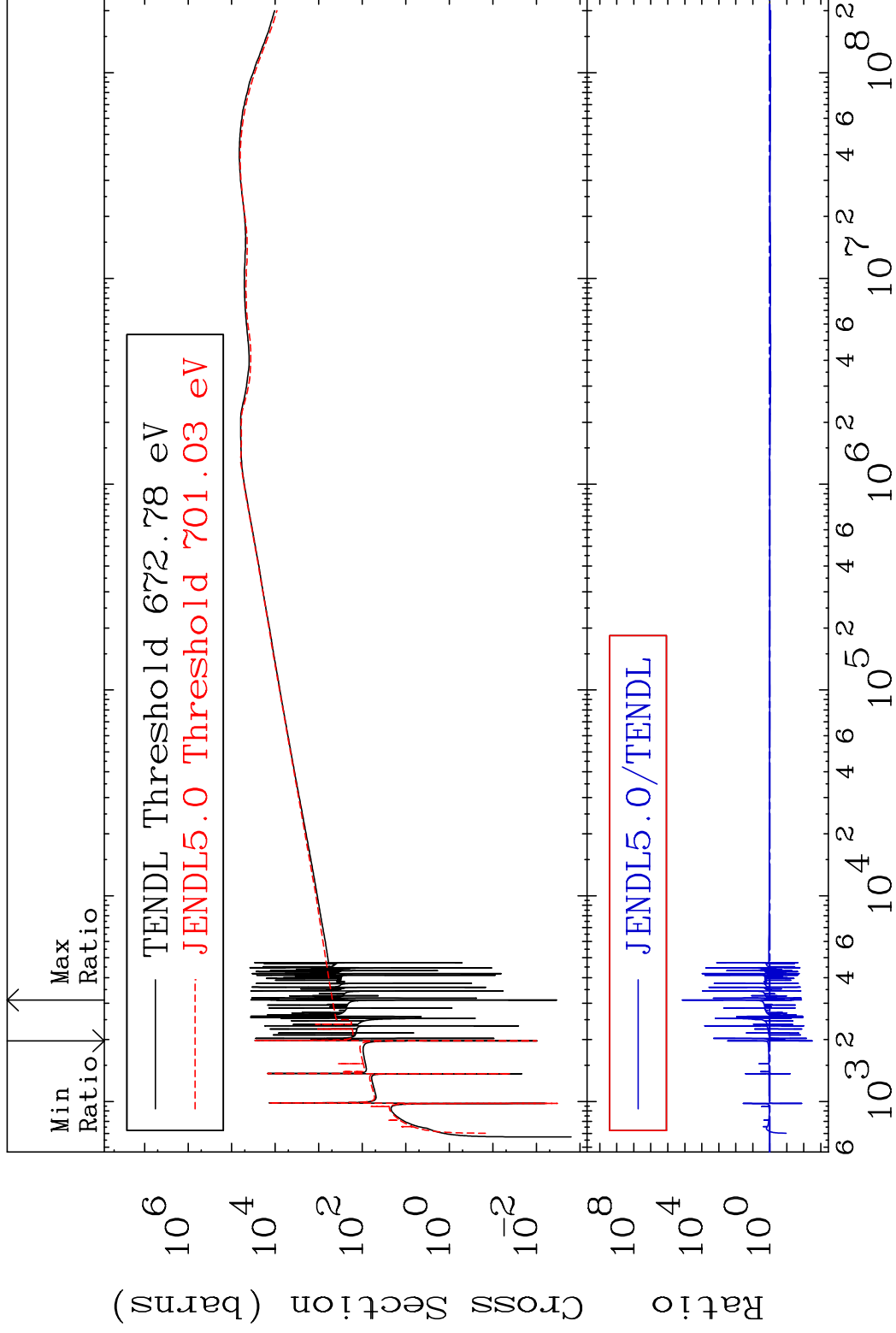


MAT 5031

Dpa elastic (mt2)

50-Sn-114

Cross Section -99.70 To 9999. %



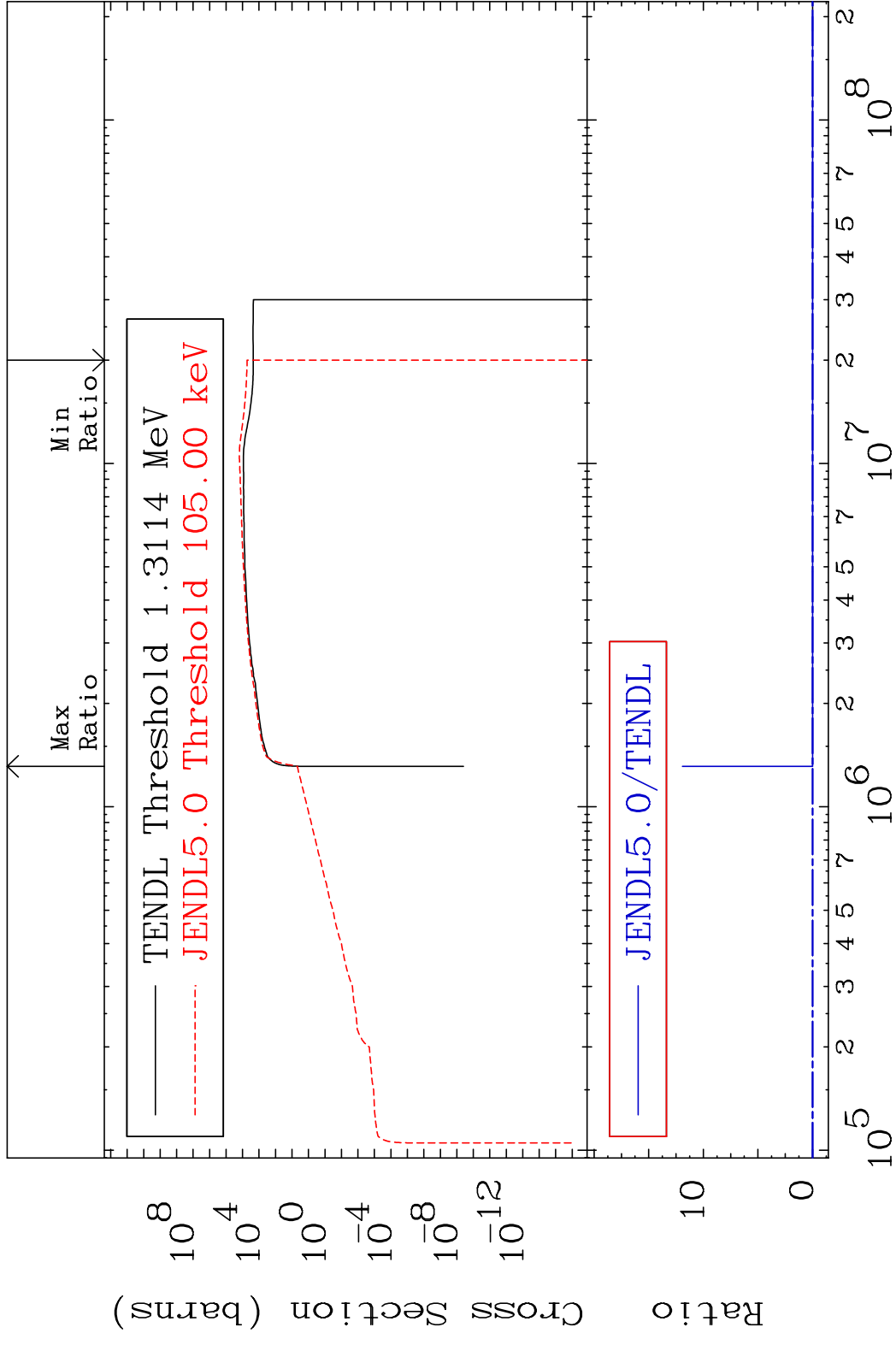
63

Incident Energy (eV)

50-Sn-114

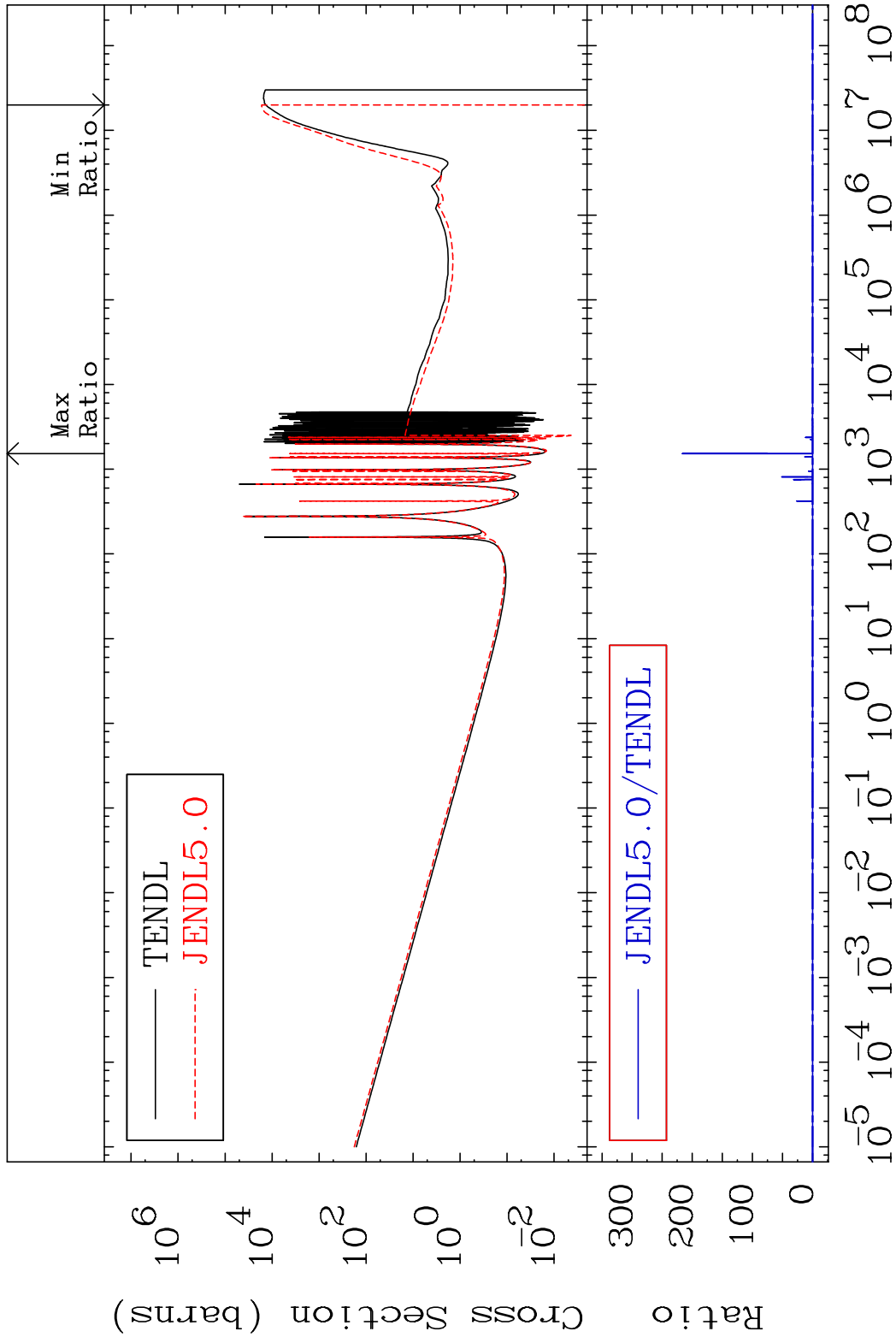


MAT 5031 Dpa inelastic (mt51-91) 50-Sn-114  
 Cross Section -100.0 To 9999. %



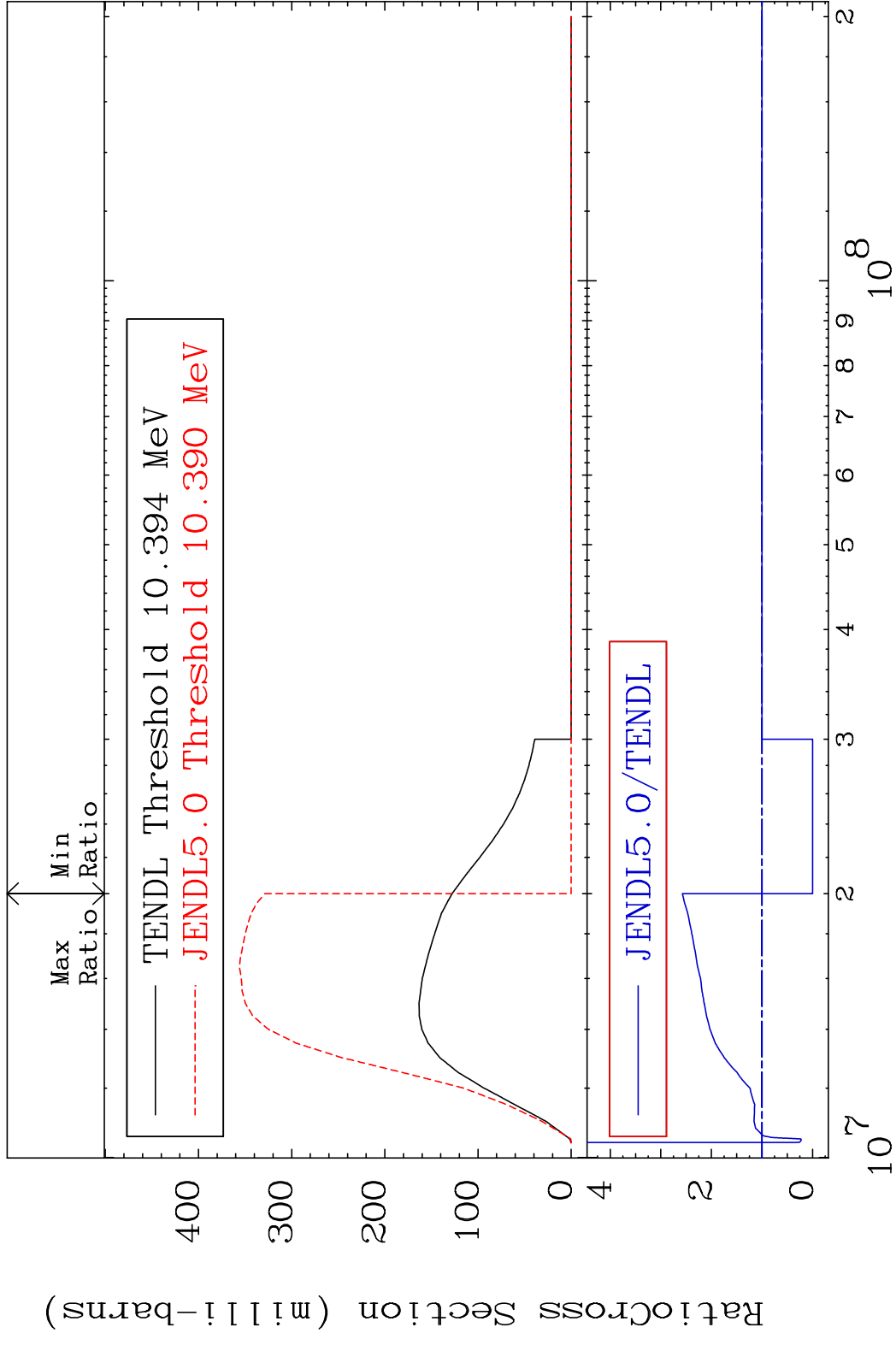
64 Incident Energy (eV) 50-Sn-114

MAT 5031 Dpa disappearance (mt102 -120) 50-Sn-114  
 Cross Section -100.0 To 9999. %



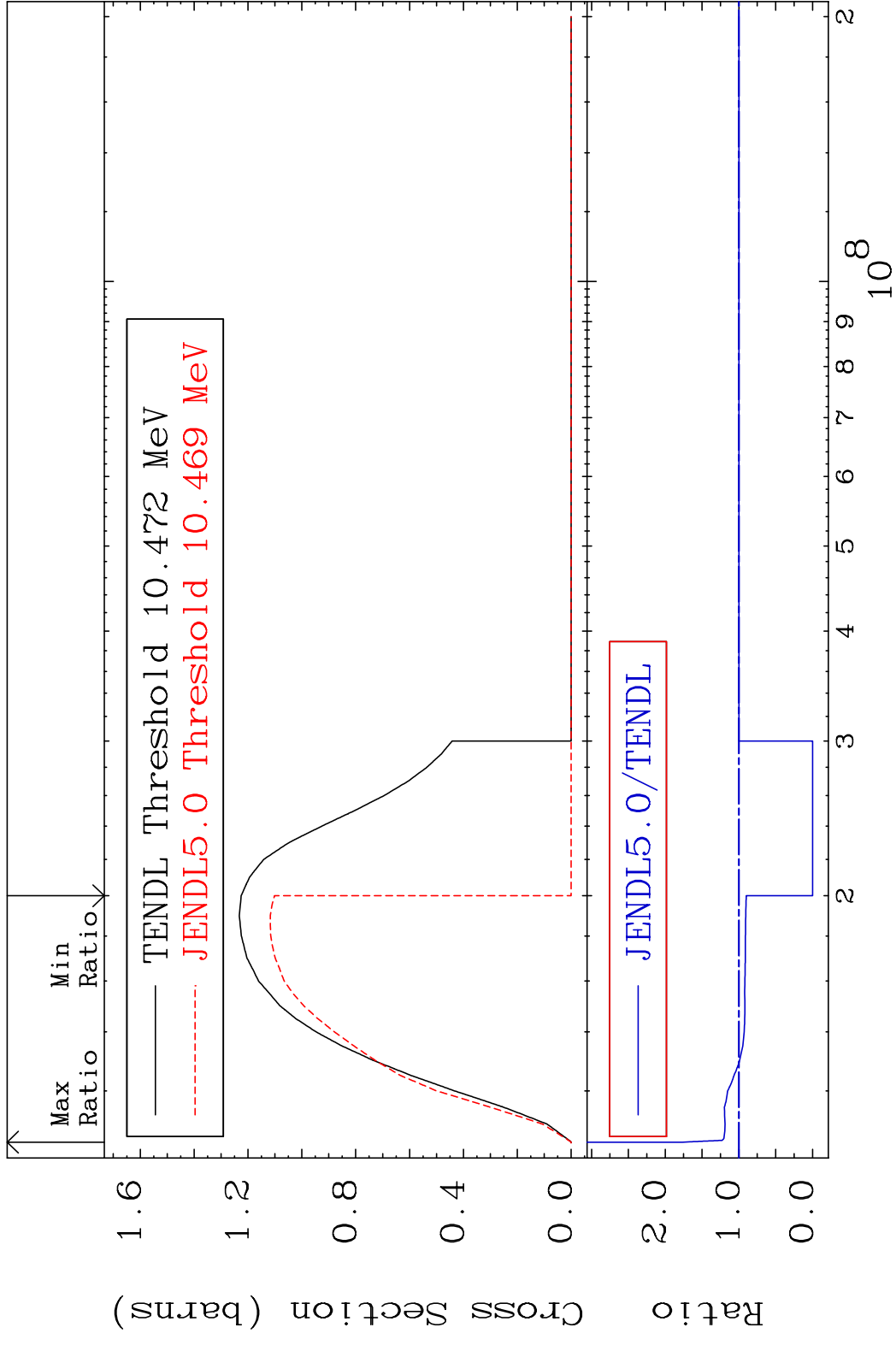
65 Incident Energy (eV) 50-Sn-114

MAT 5031 (n,2n):50-Sn-113g 50-Sn-114  
 Radionuclide Production Cross Section 157.4 %

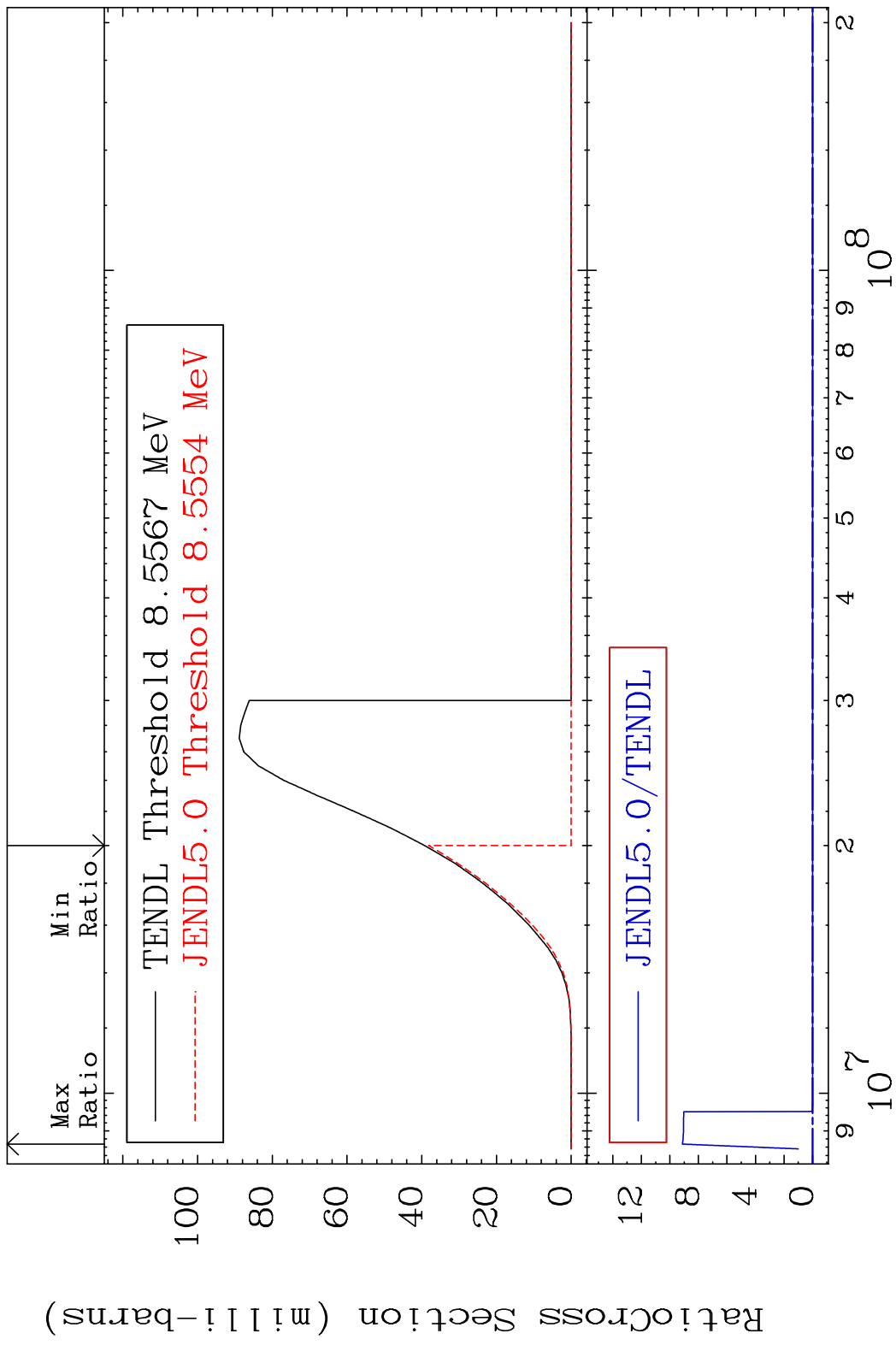


66 50-Sn-114

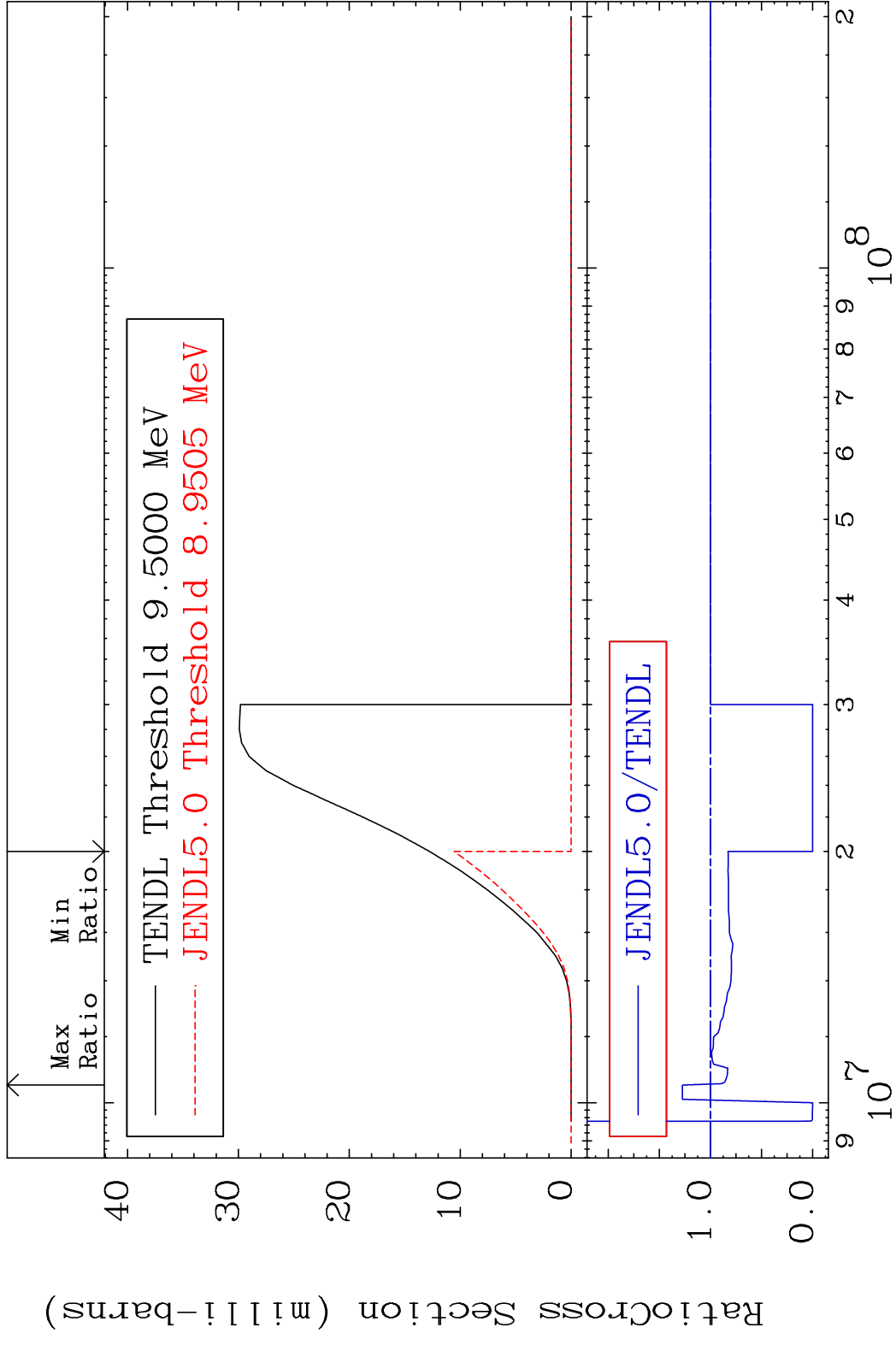
MAT 5031 (n,2n):50-Sn-113m1 50-Sn-114  
 Radionuclide Production Cross Section 180.01 dth 76.72 %



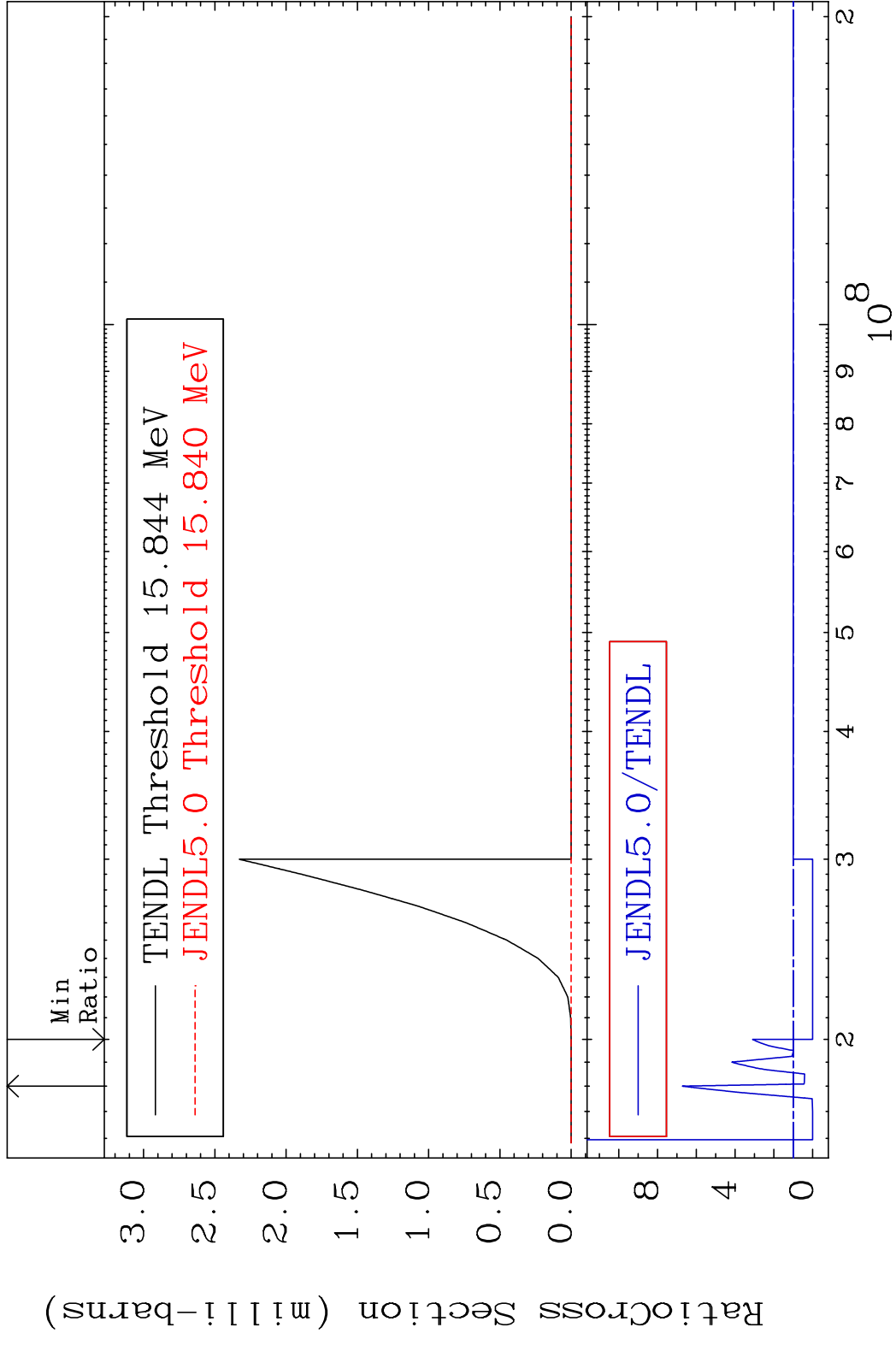
MAT 5031 (n, n') p:49-In-113g 50-Sn-114  
 Radionuclide Production Cross Section Ratio



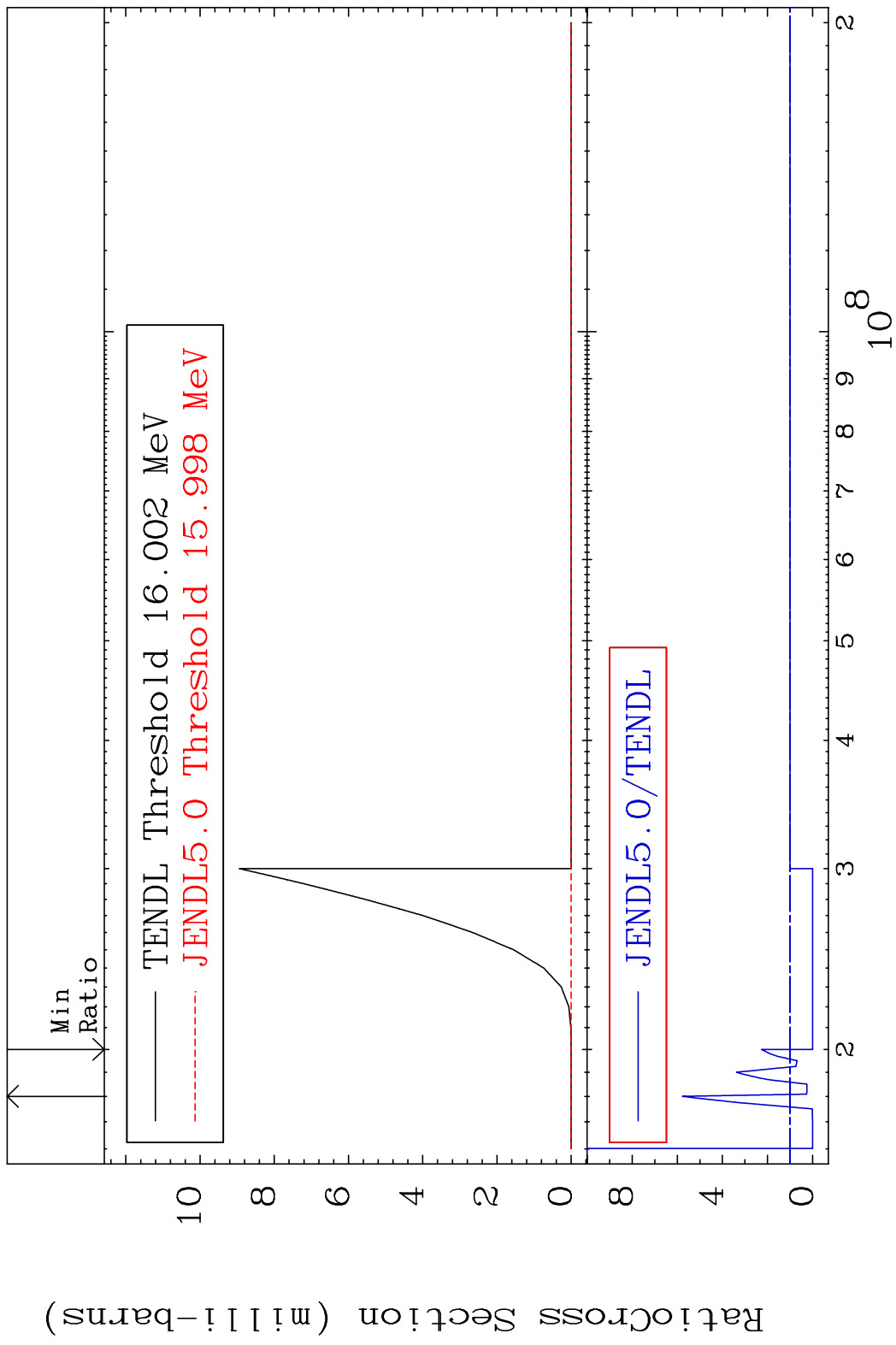
MAT 5031 (n, n') p:49-In-113m1 50-Sn-114  
 Radionuclide Production Cross Section 180.01 dth 27.47 %



MAT 5031 (n, n') d:49-In-112g 50-Sn-114  
 Radionuclide Production Cross Section 571.8 %

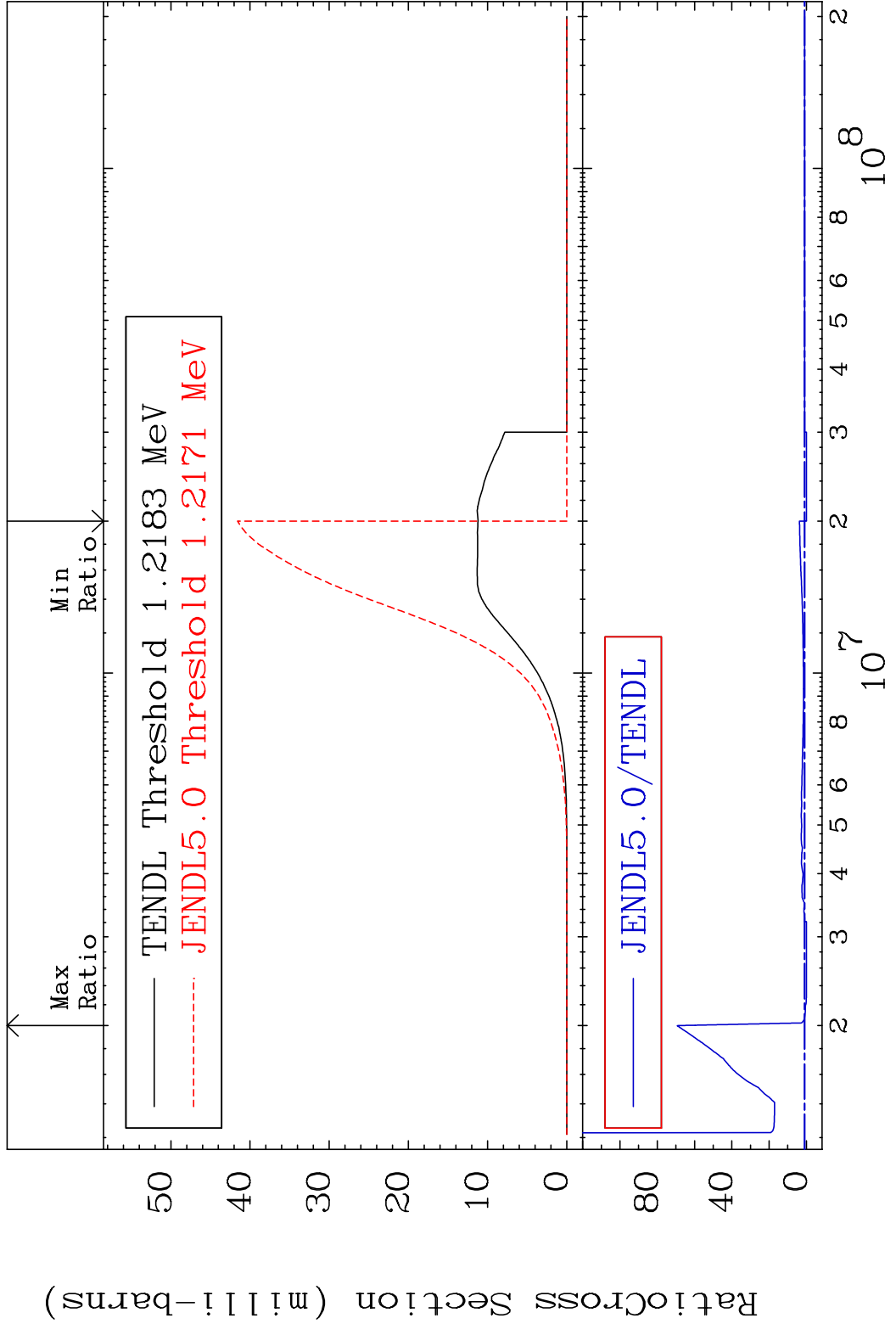


MAT 5031 (n, n') d:49-In-112m1 50-Sn-114  
 Radionuclide Production Cross Section 180.0 dth 477.7 %

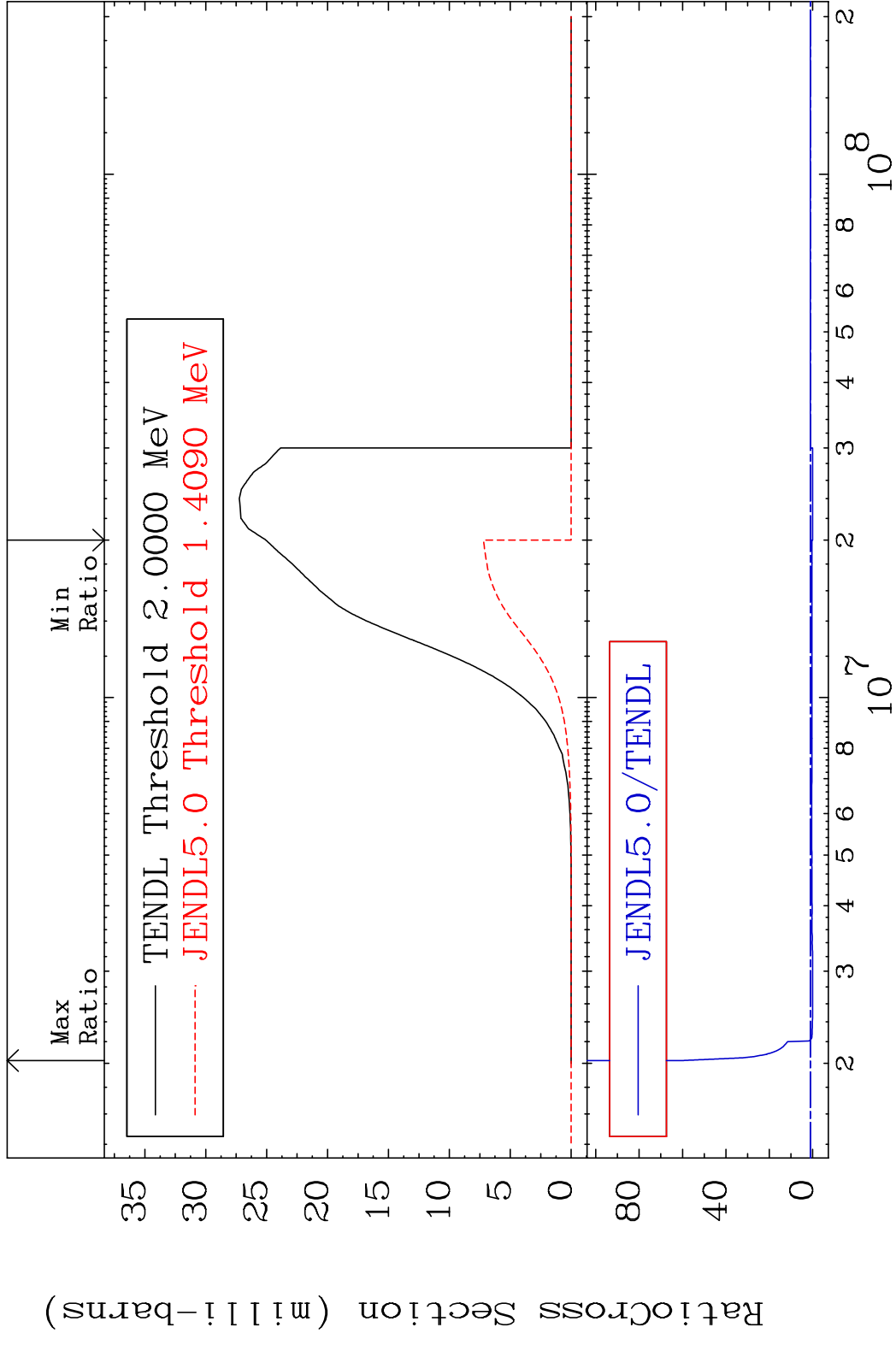




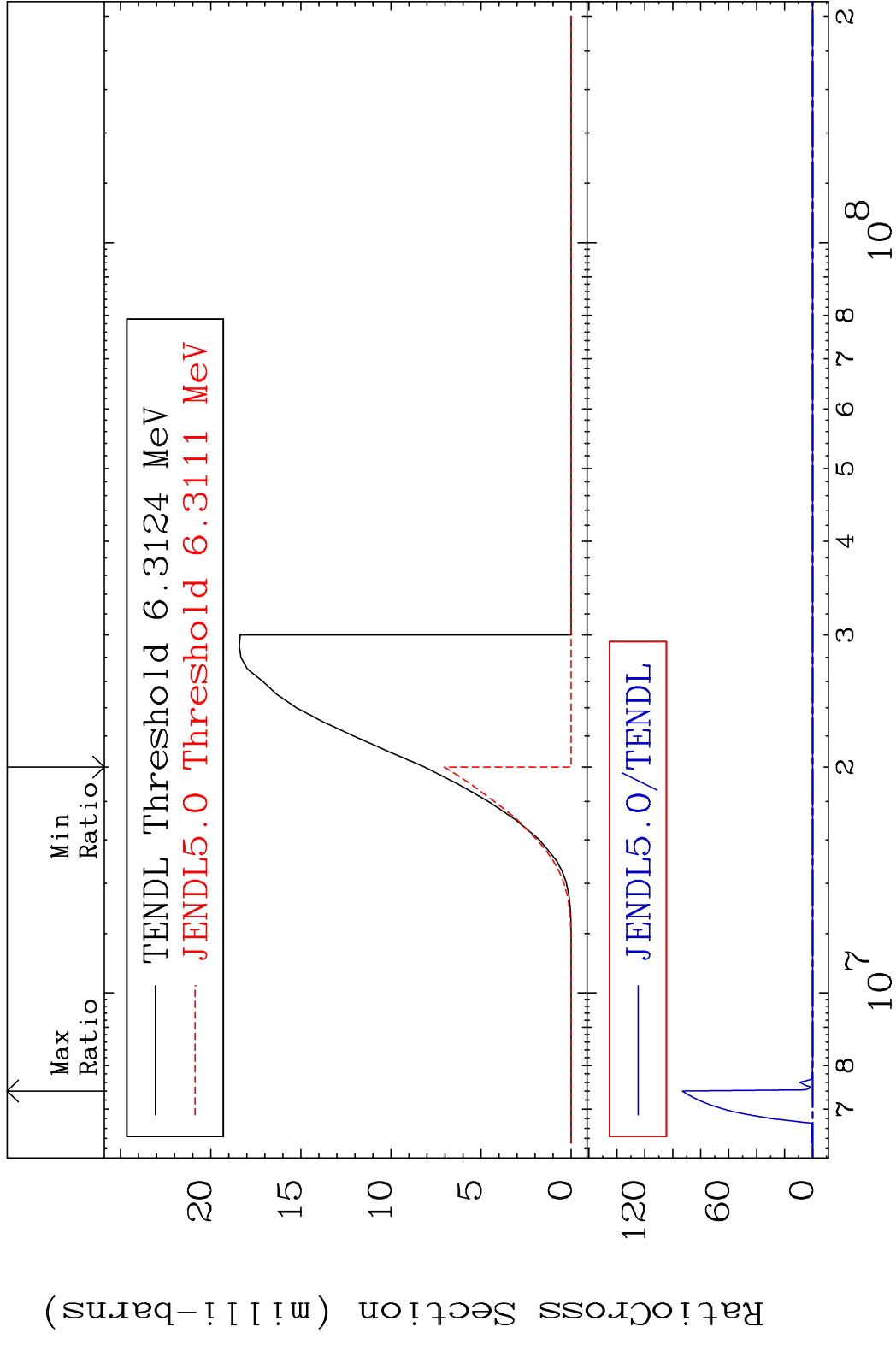
MAT 5031 (n,p):49-In-114g 50-Sn-114  
 Radionuclide Production Cross Section to 6831. %



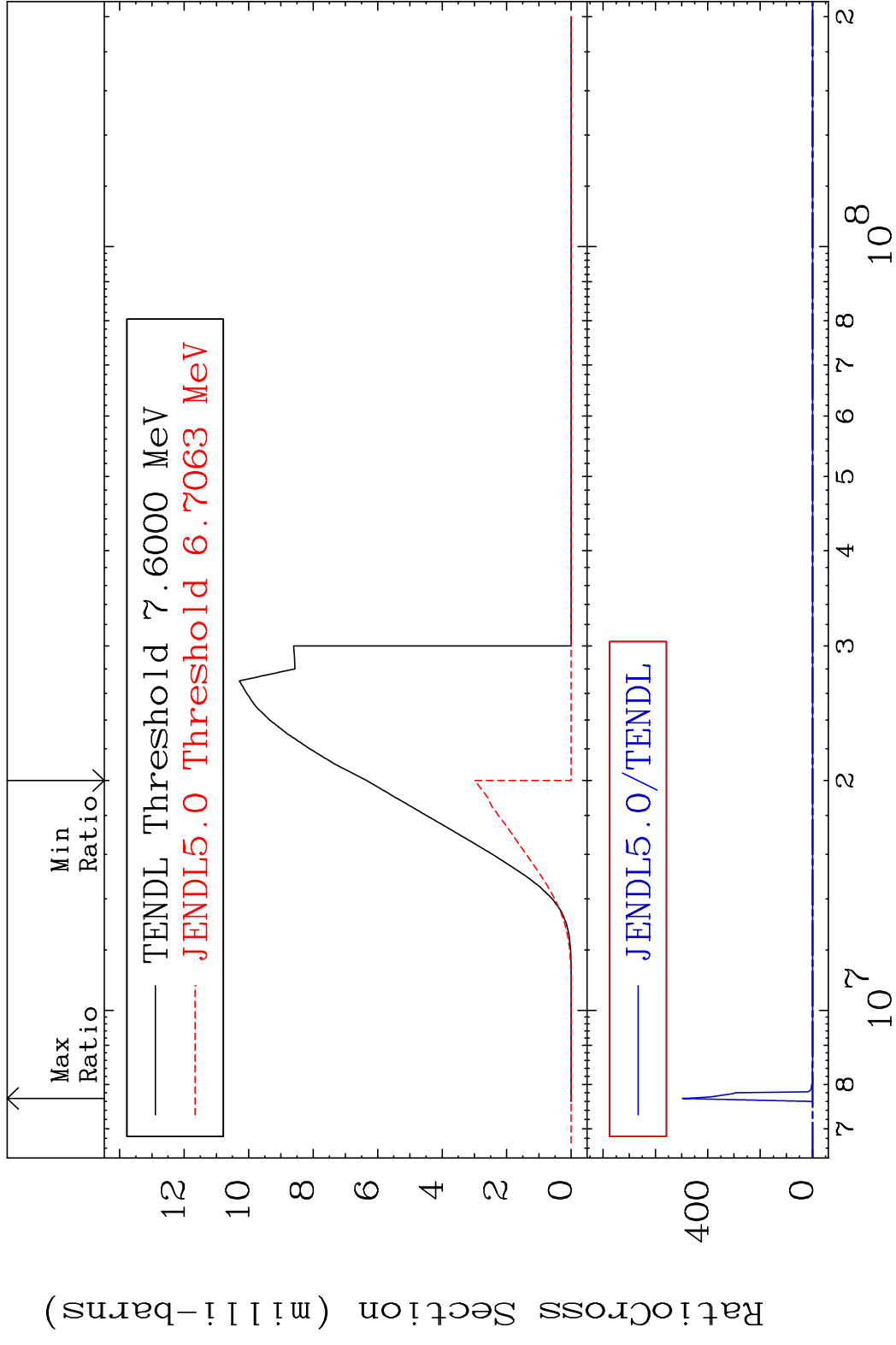
MAT 5031 (n, p): 49-In-114m1 50-Sn-114  
 Radionuclide Production Cross Section to 5907. %



MAT 5031 (n,d):49-In-113g 50-Sn-114  
 Radionuclide Production Cross Section to 9999. %

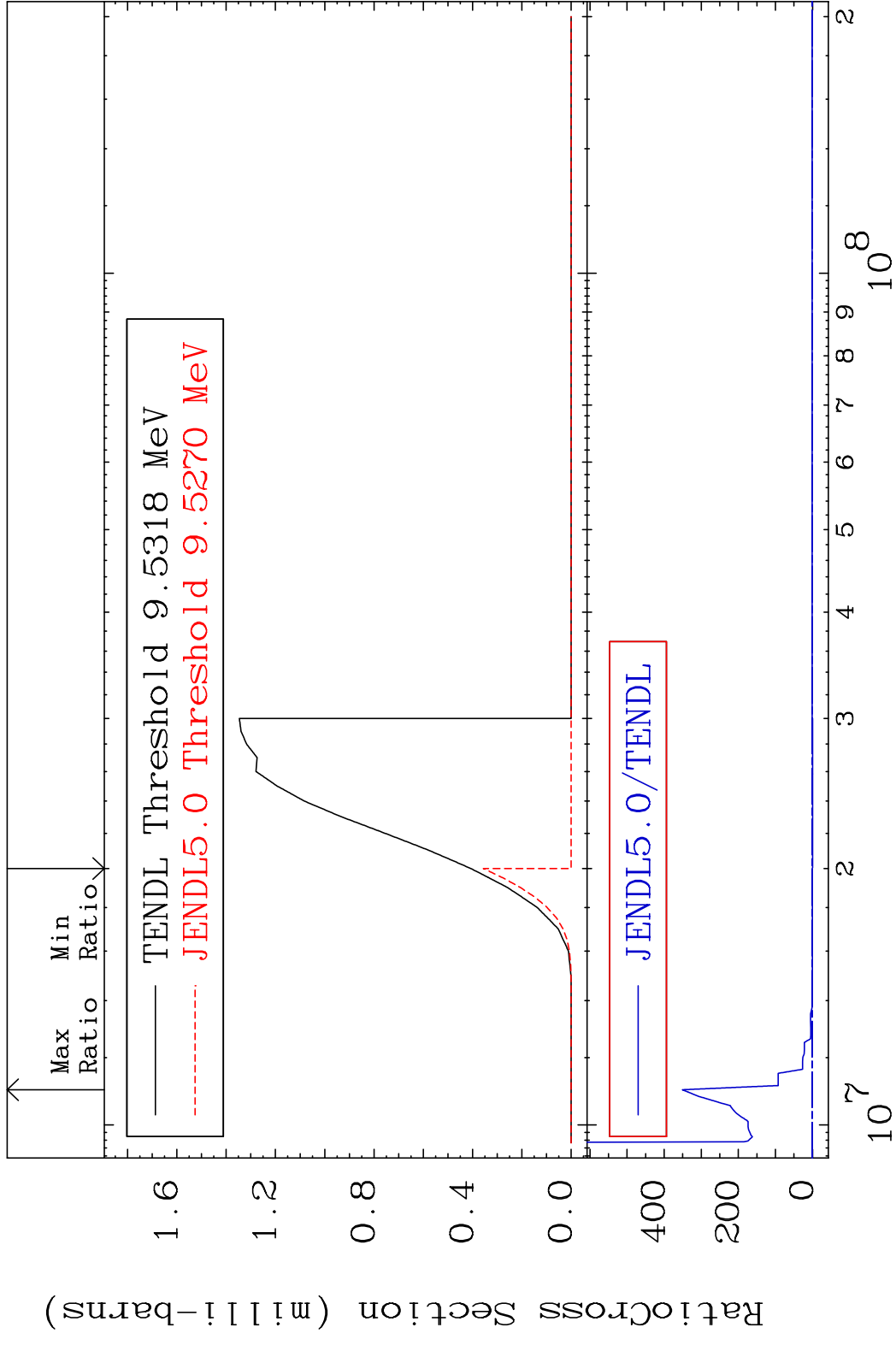


MAT 5031 (n, d): 49-In-113m1 50-Sn-114  
 Radionuclide Production Cross Section to 9999. %



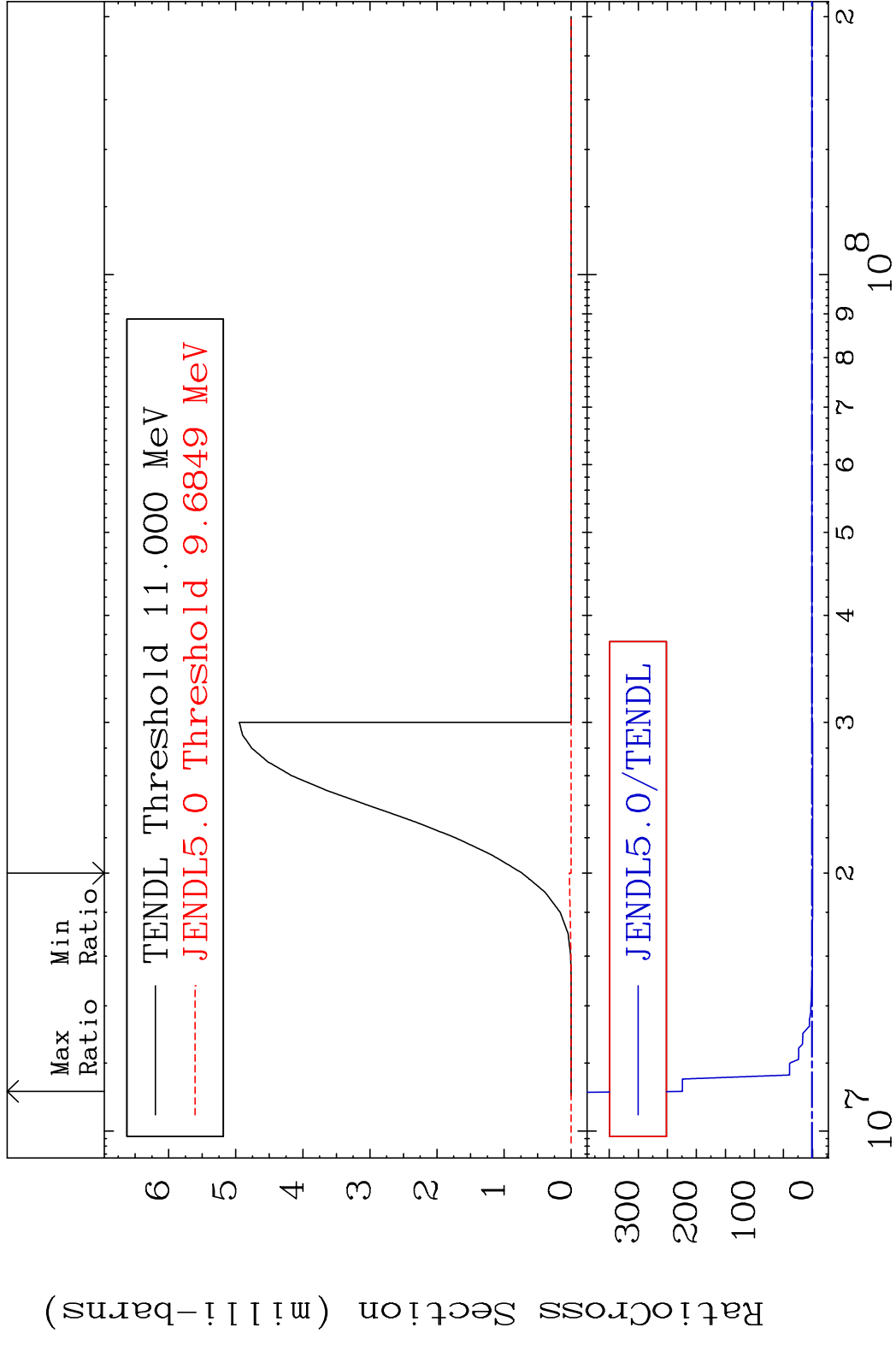
75 Incident Energy (eV) 50-Sn-114

MAT 5031 (n,t):49-In-112g 50-Sn-114  
 Radionuclide Production Cross Section 100.00 dth 9999. %



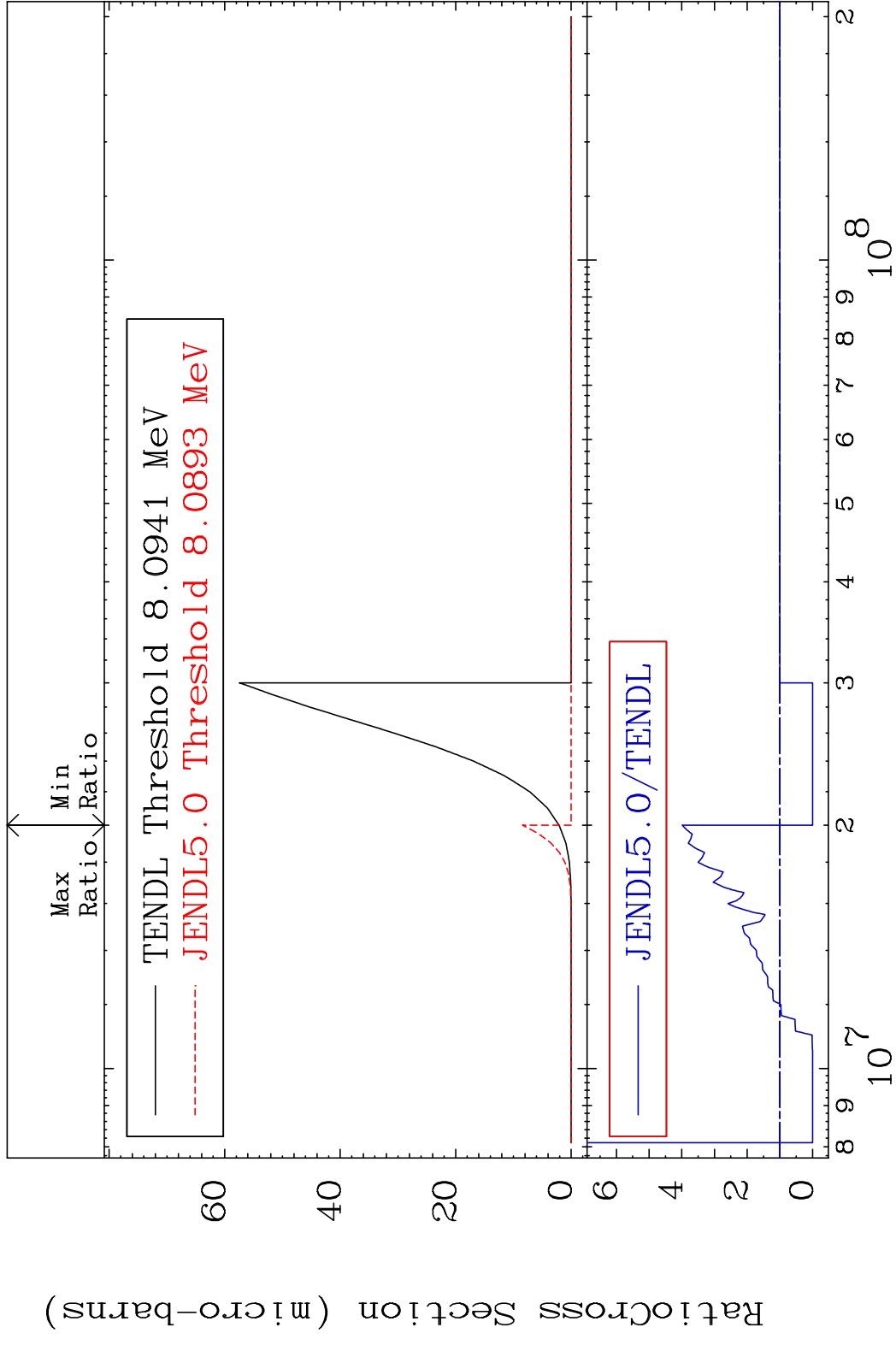
76 Incident Energy (eV) 50-Sn-114

MAT 5031 (n, t):49-In-112m1 50-Sn-114  
 Radionuclide Production Cross Section to 9999. %

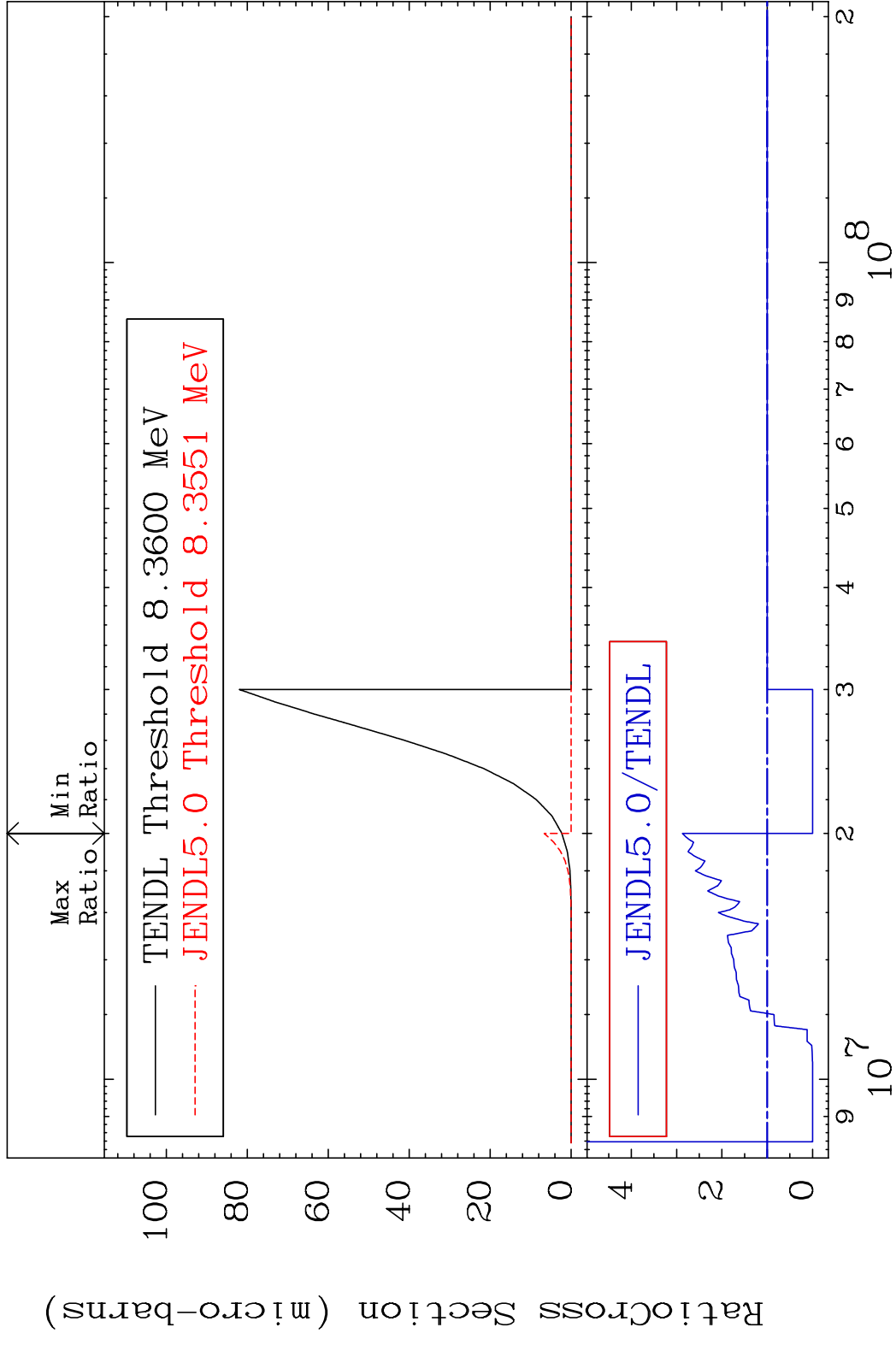


77 Incident Energy (eV) 50-Sn-114

MAT 5031 (n,2p):48-Cd-113g 50-Sn-114  
 Radionuclide Production Cross Section 180.01 dth 298.3 %



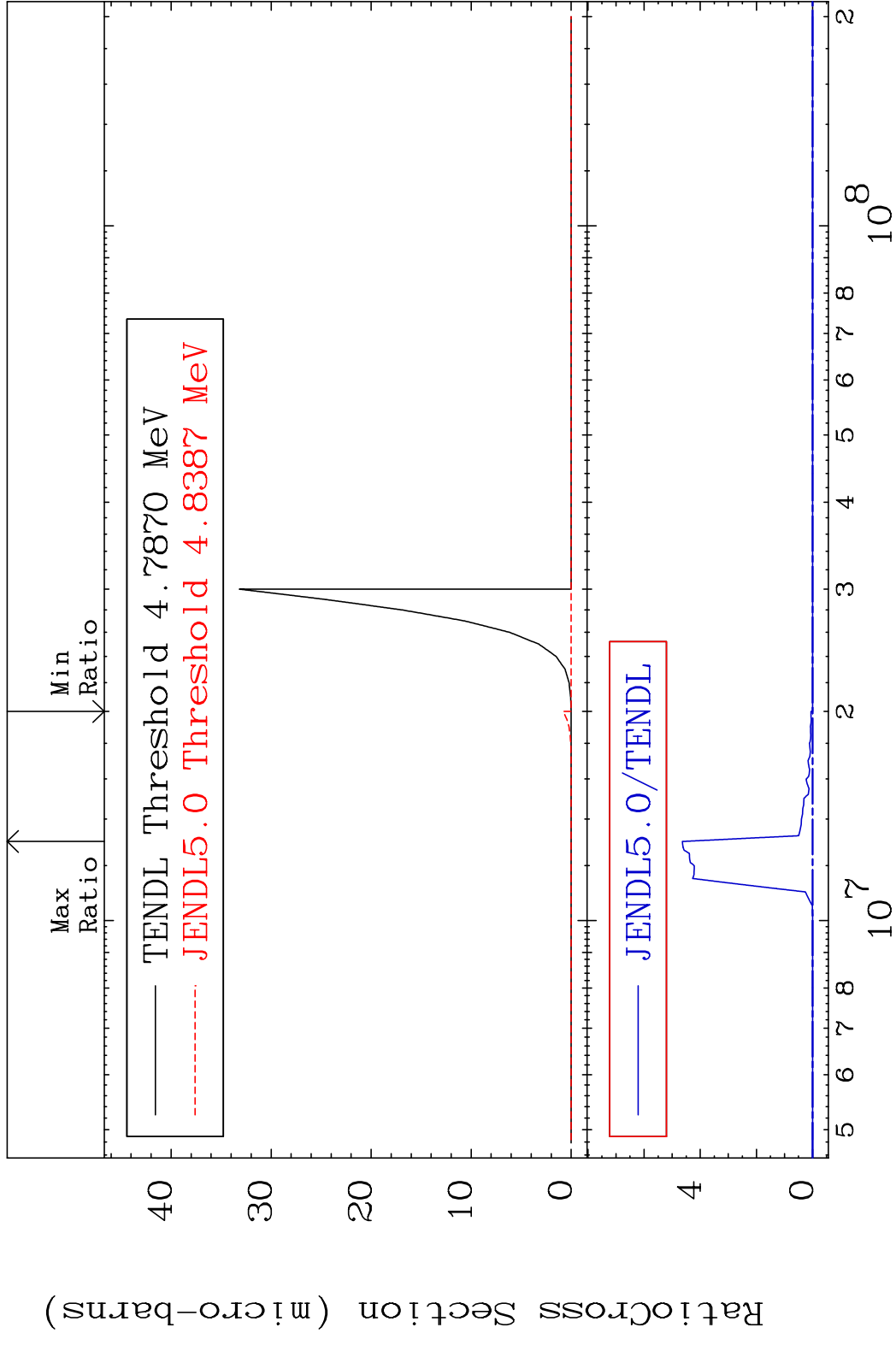
MAT 5031 (n, 2p) : 48-Cd-113m1 50-Sn-114  
 Radionuclide Production Cross Section 187.4 %



79 50-Sn-114



MAT 5031 (n, p)  $\alpha$ :47-Ag-110g 50-Sn-114  
 Radionuclide Production Cross Section Ratio 9999. %



80 Incident Energy (eV) 50-Sn-114

