

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

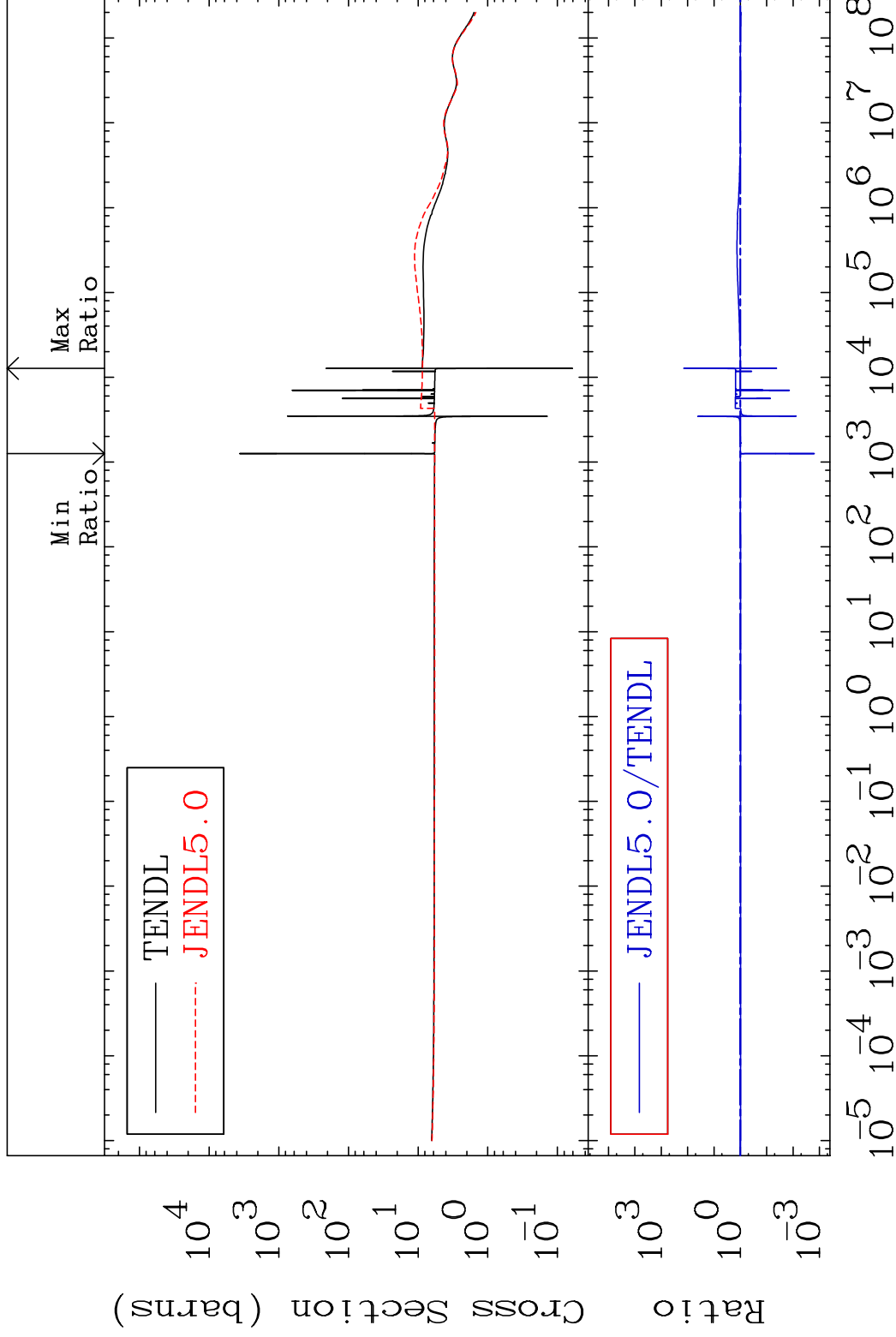
MAT 3843

Total

38-Sr-90

Cross Section

-99.84 To 9999. %



1

Incident Energy (eV)

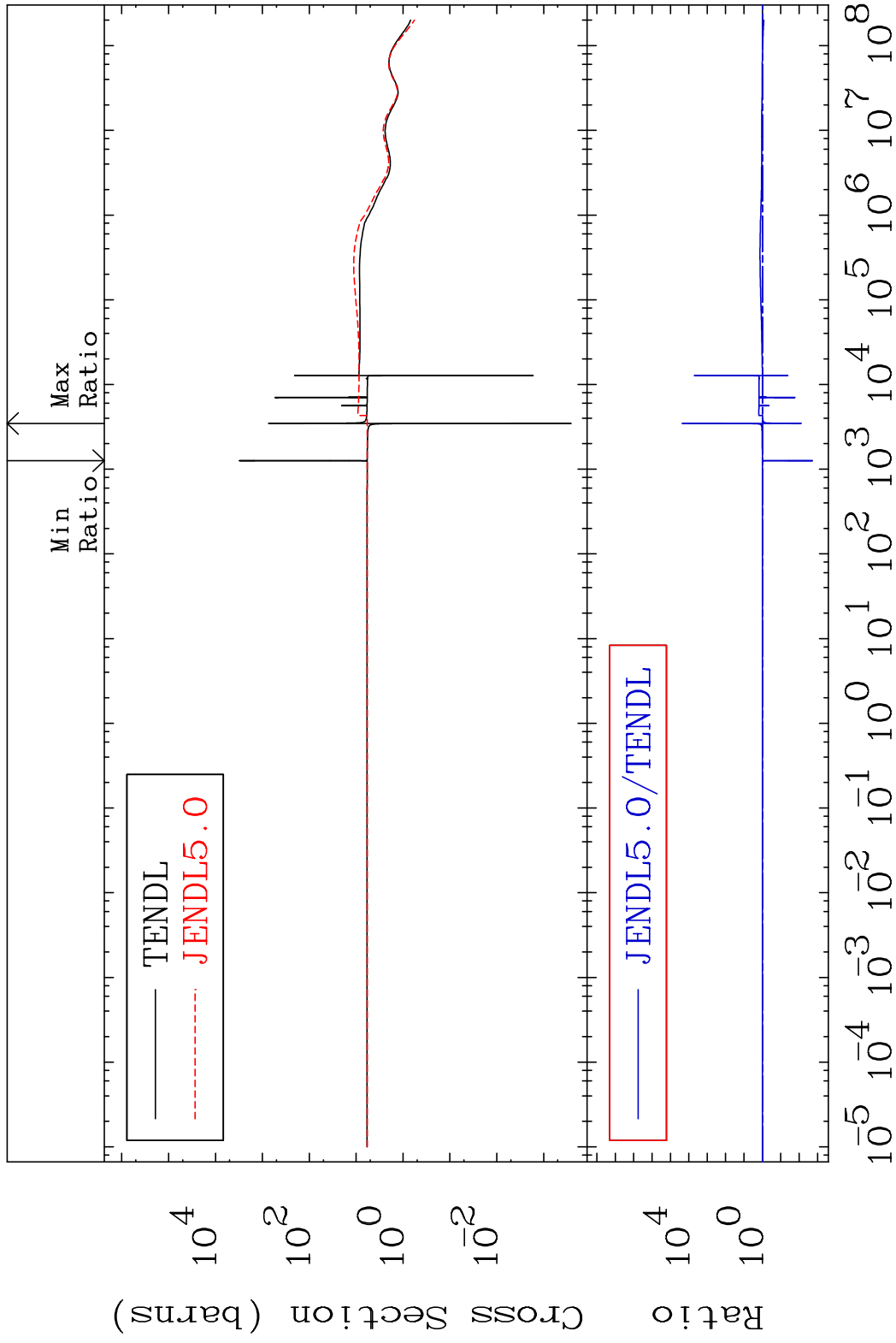
38-Sr-90

MAT 3843

Elastic

38-Sr-90

Cross Section -99.81 To 9999. %



2

Incident Energy (eV)

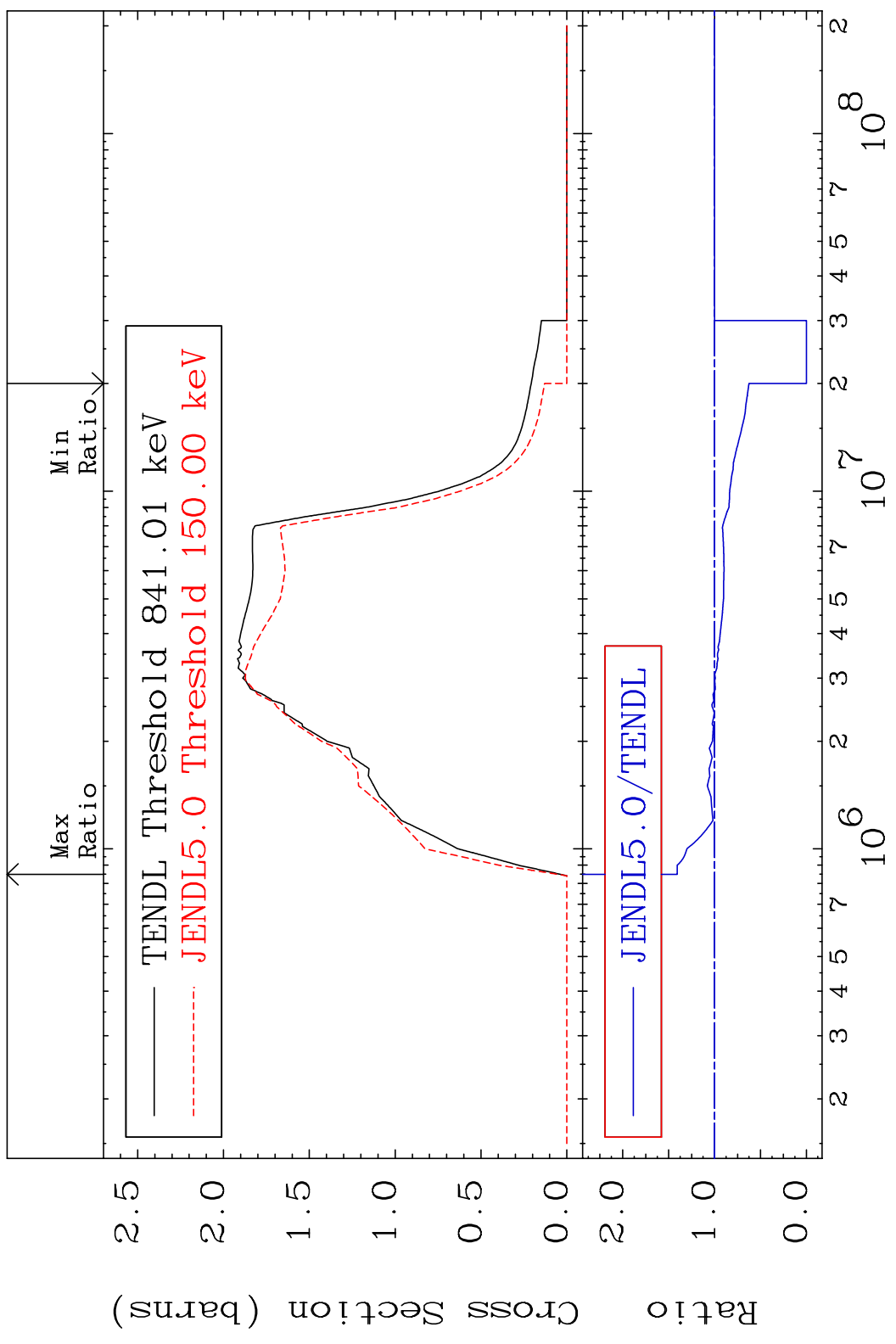
38-Sr-90

MAT 3843

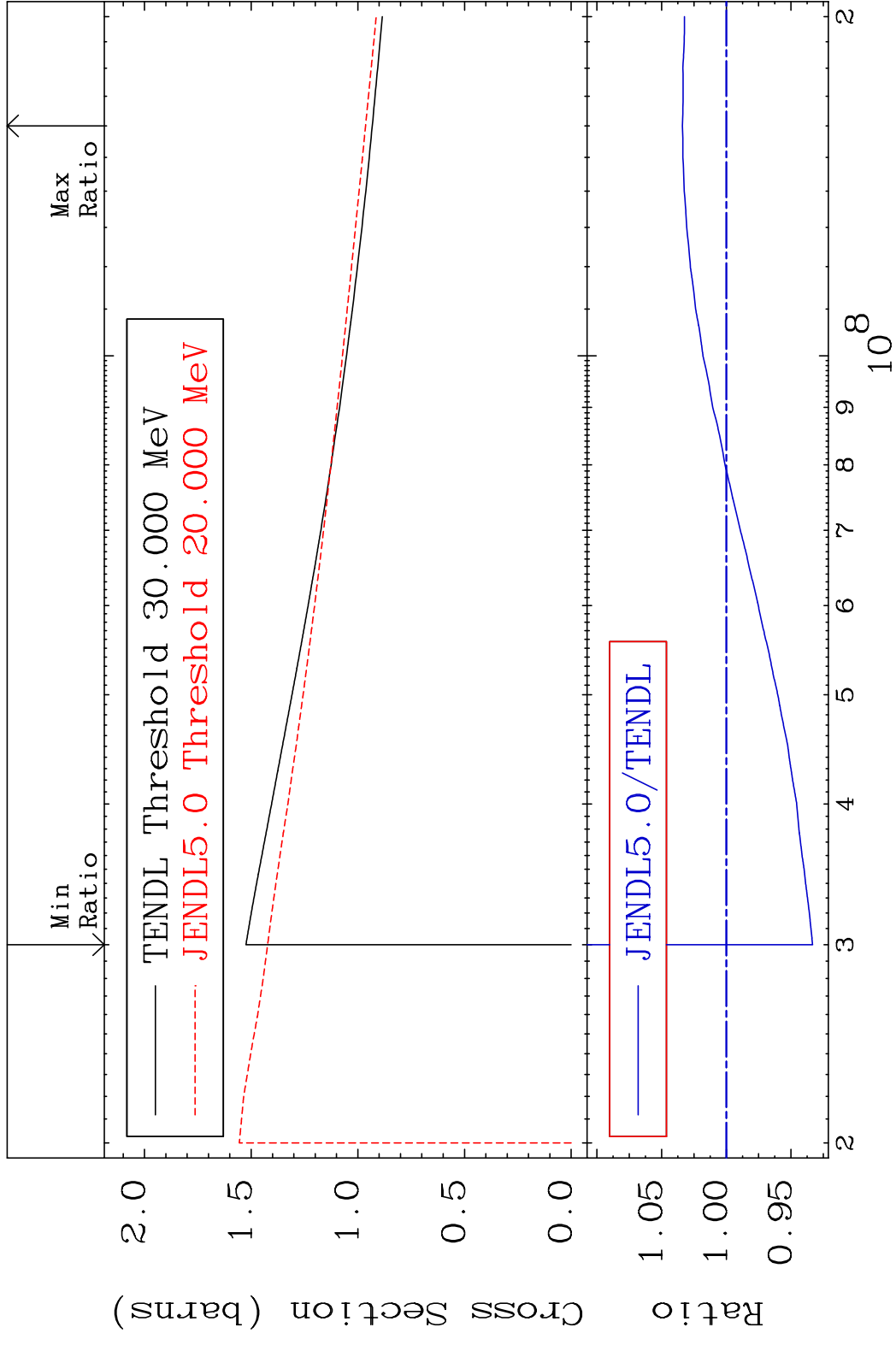
Inelastic

38-Sr-90

Cross Section -100.0 To 40.75 %



MAT 3843 (n, remainder) 38-Sr-90  
 Cross Section -6.665 To 3.398 %



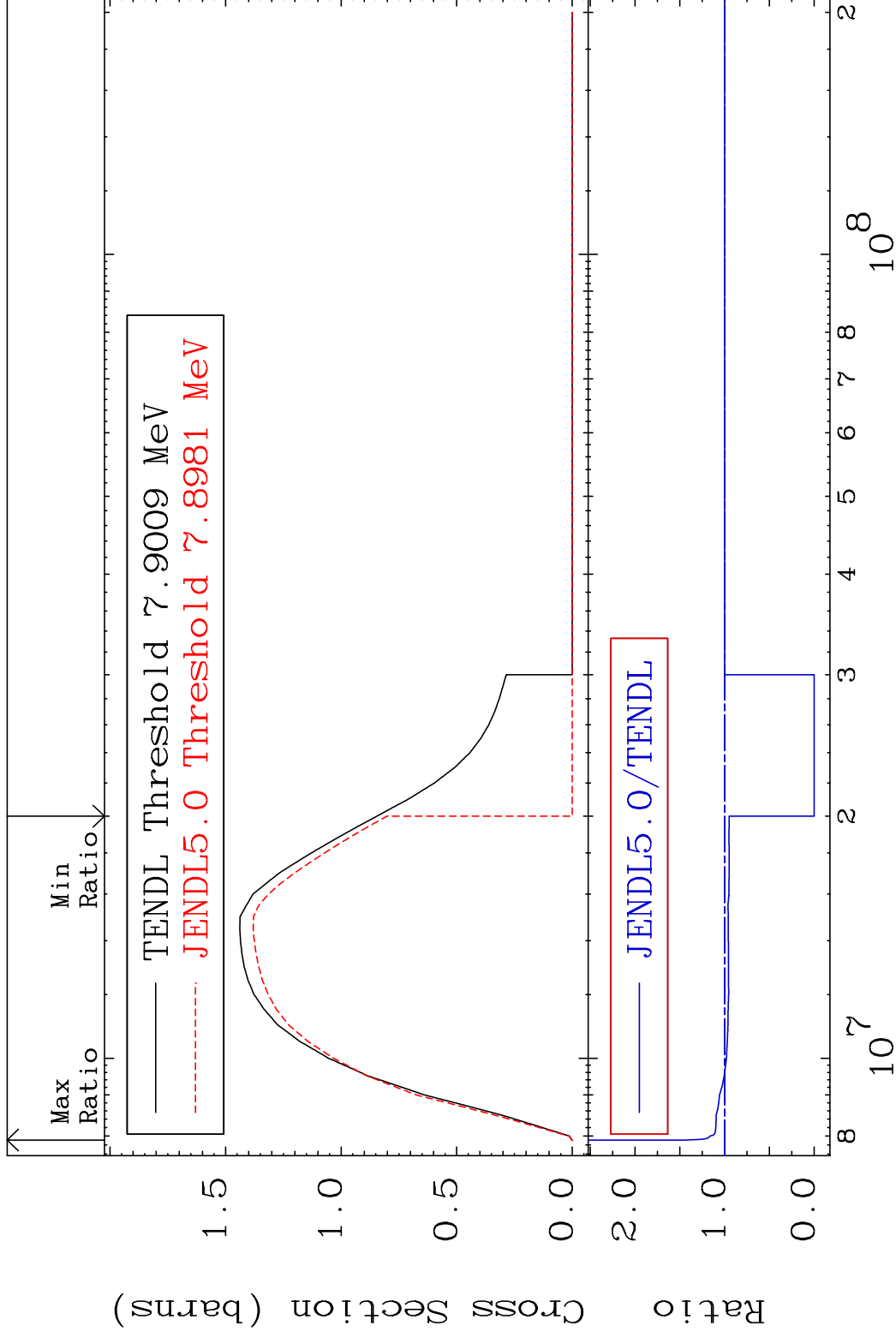
4 Incident Energy (eV) 38-Sr-90

MAT 3843

(n,2n)

38-Sr-90

Cross Section -100.0 To 45.75 %



5

Incident Energy (eV)

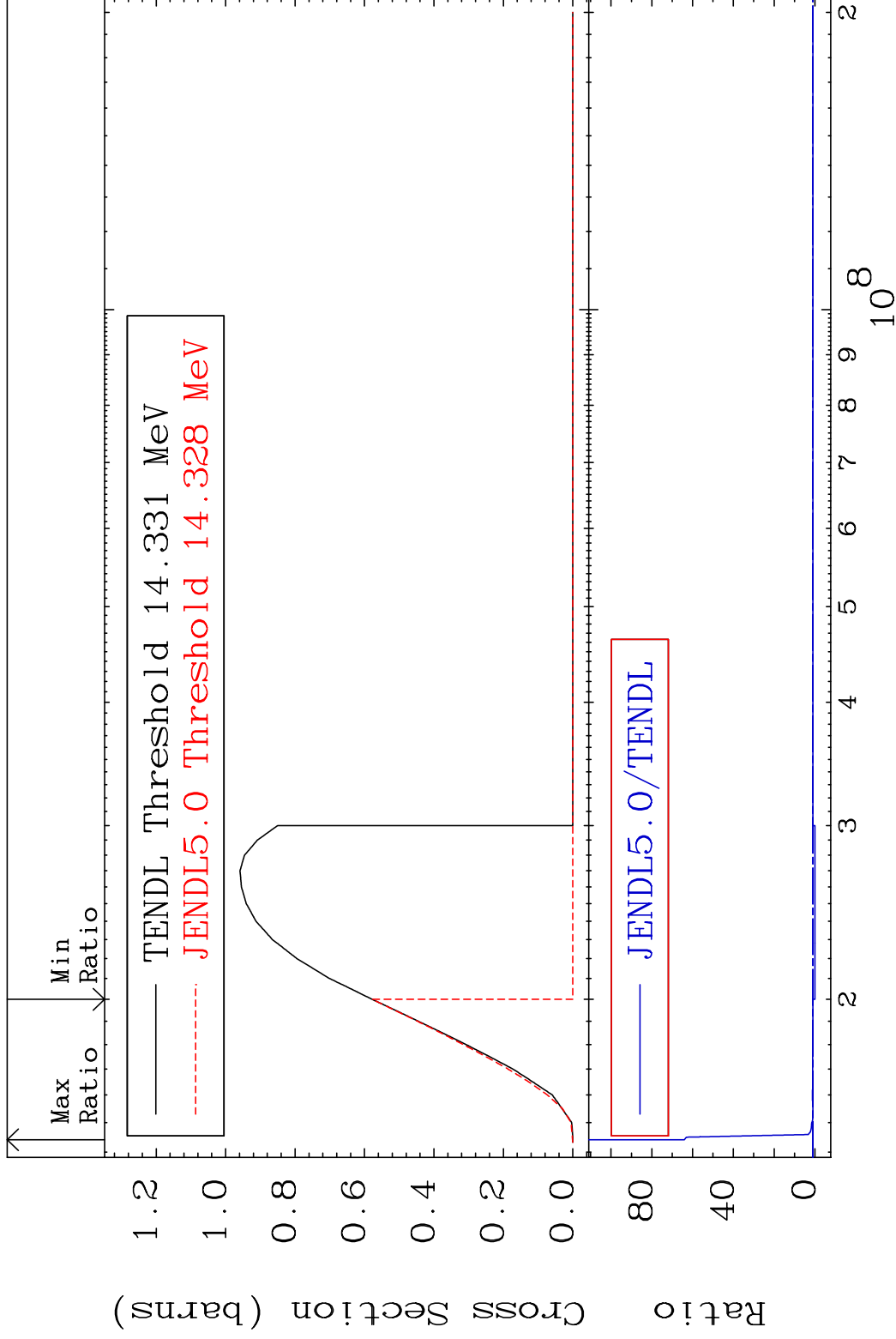
38-Sr-90

MAT 3843

(n,3n)

38-Sr-90

Cross Section -100.0 To 6305. %

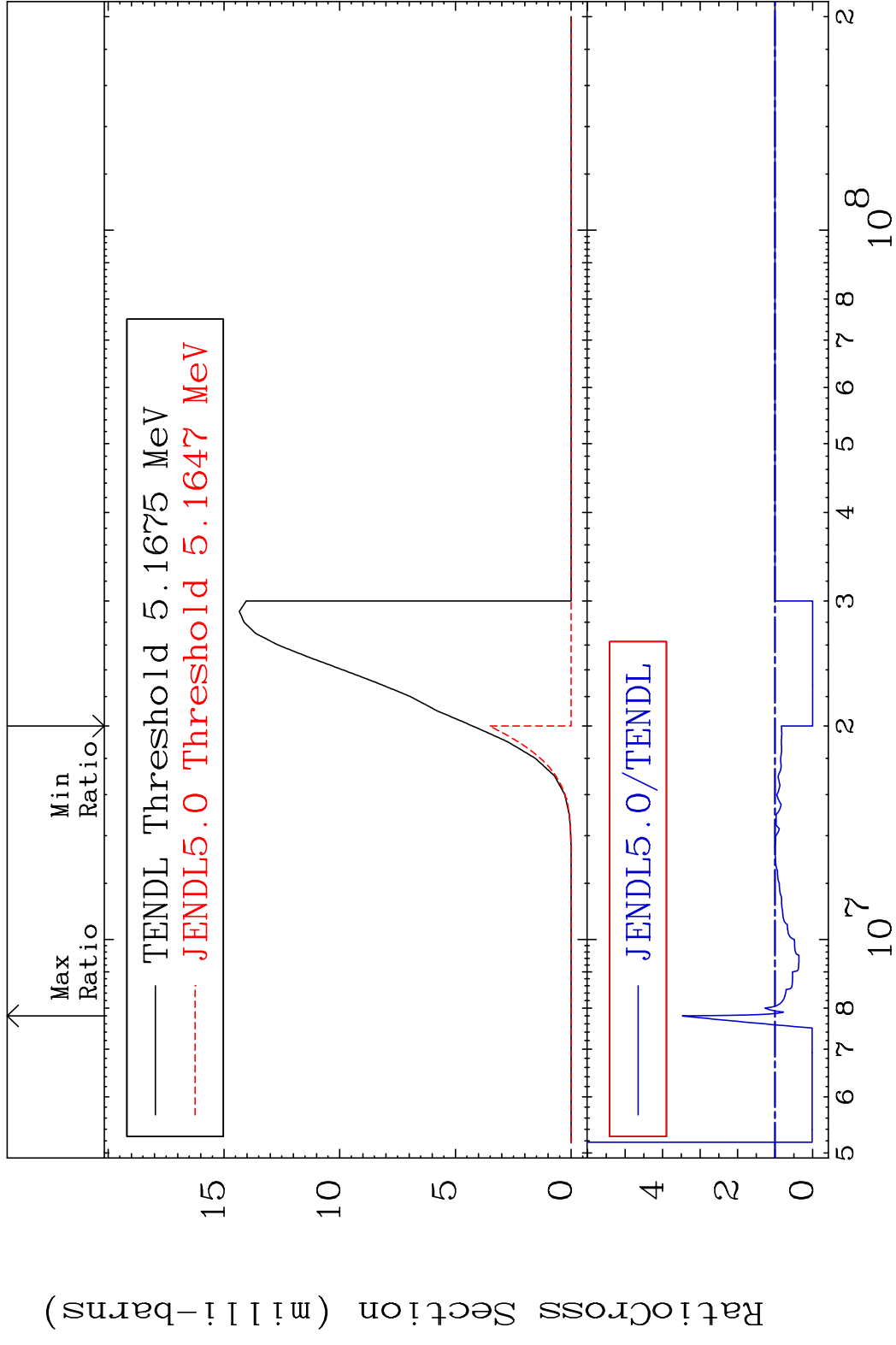


6

Incident Energy (eV)

38-Sr-90

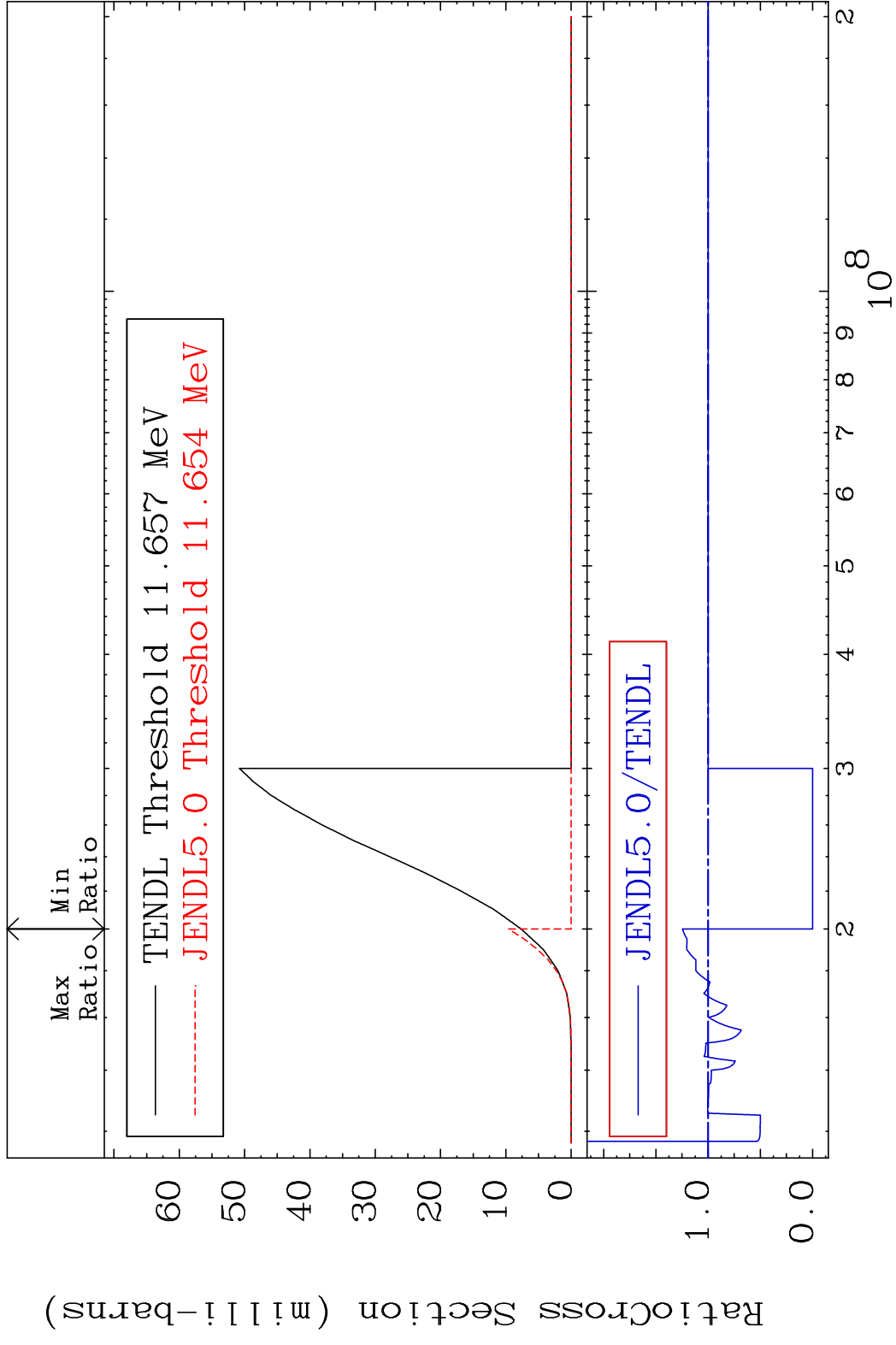
MAT 3843  $(n, n') \alpha$   $^{38}\text{Sr-90}$   
 Cross Section -100.0 To 247.2 %



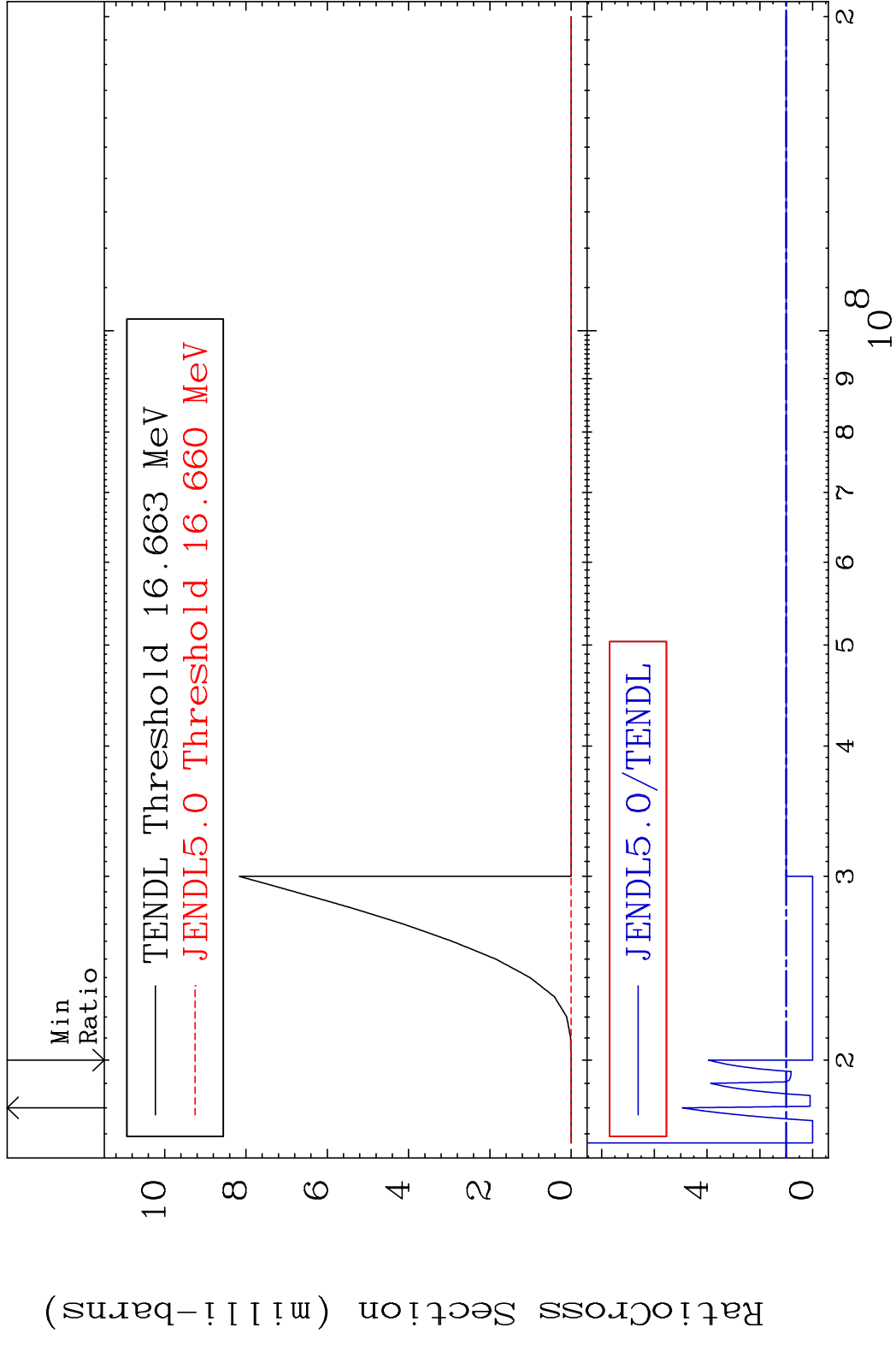


MAT 3843

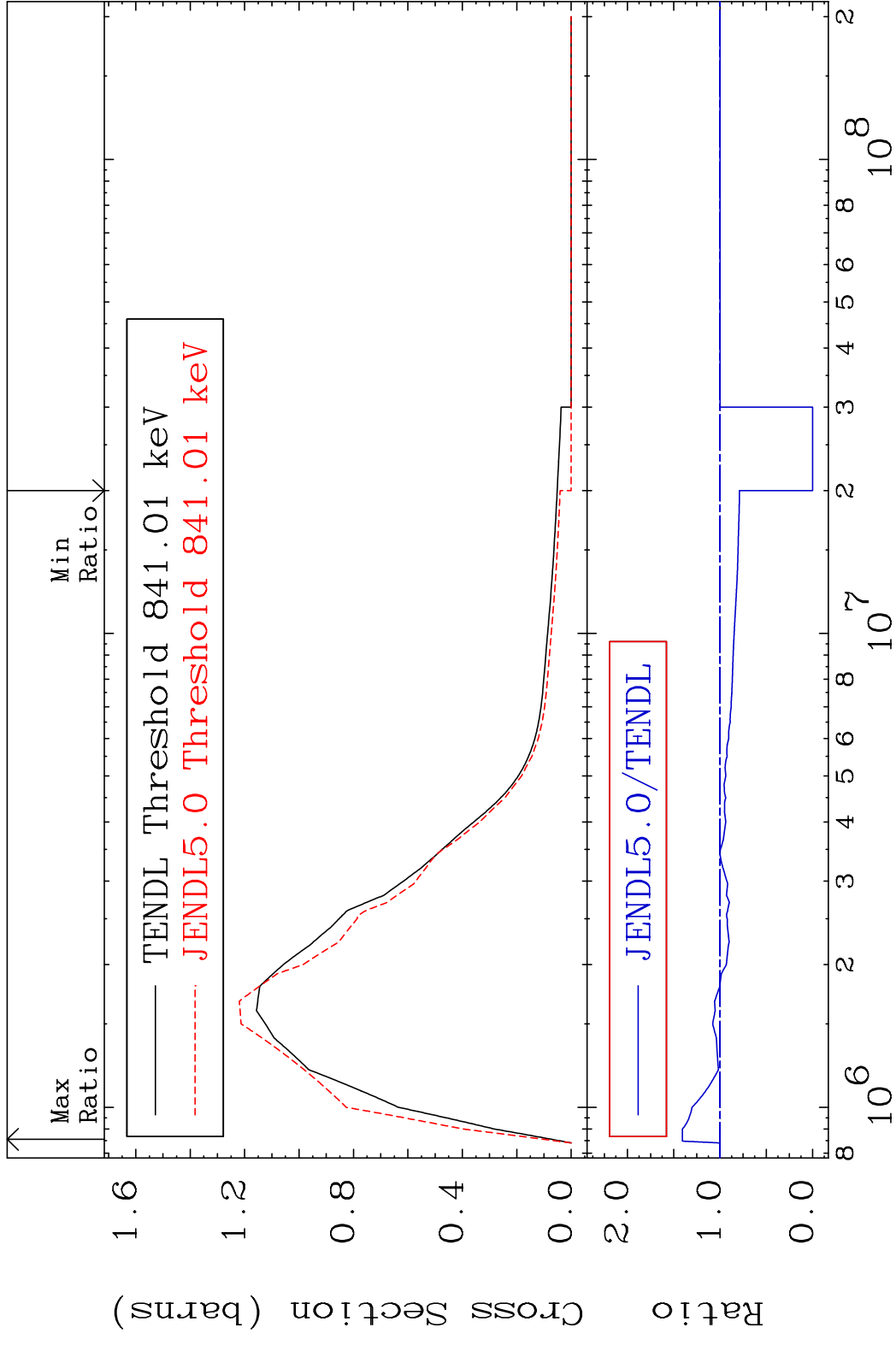
(n, n') p 38-Sr-90  
Cross Section -100.0 To 24.68 %



MAT 3843 (n, n') d 38-Sr-90  
 Cross Section -100.0 To 393.8 %

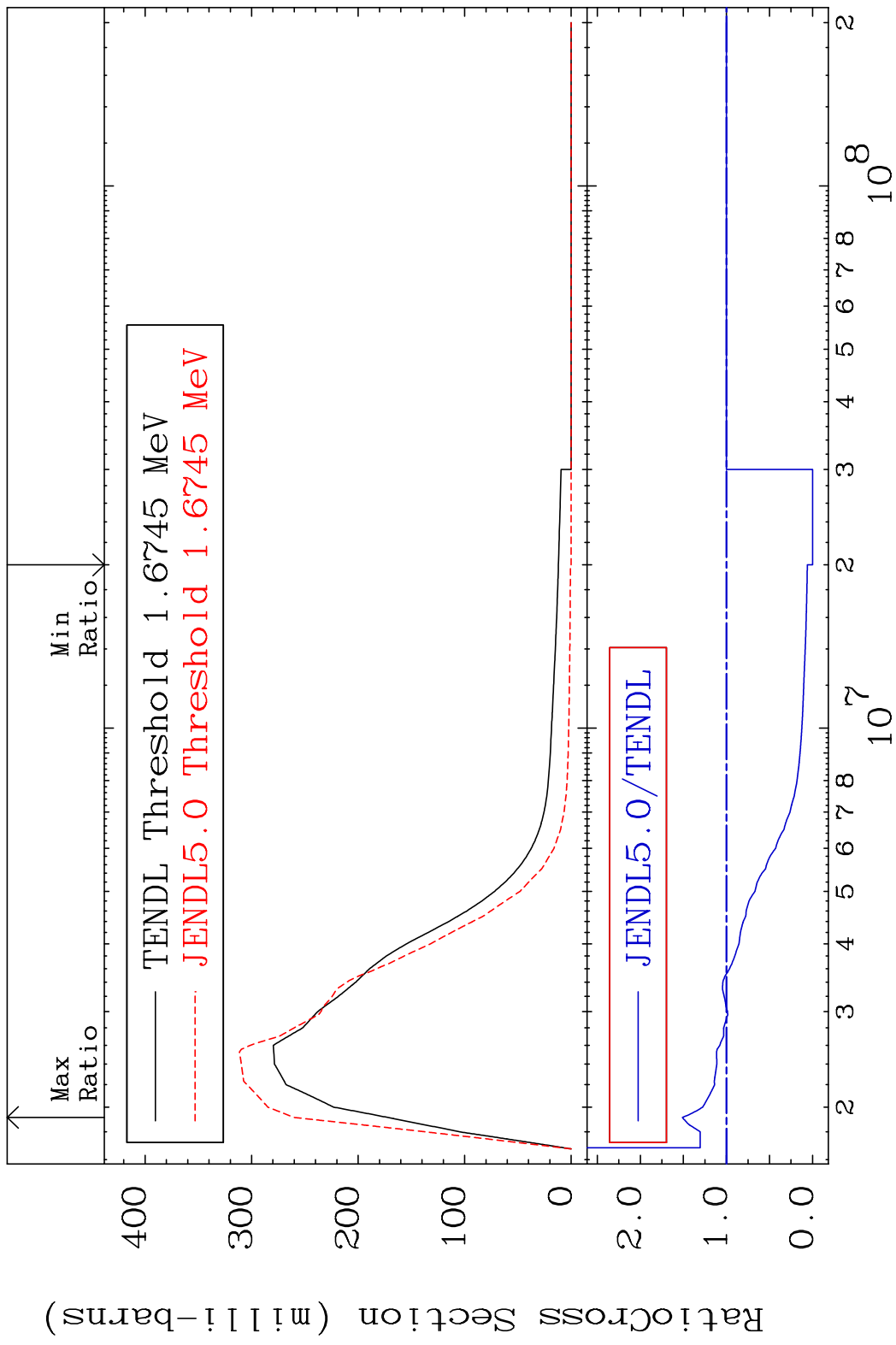


MAT 3843 MT= 51 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 40.67 %

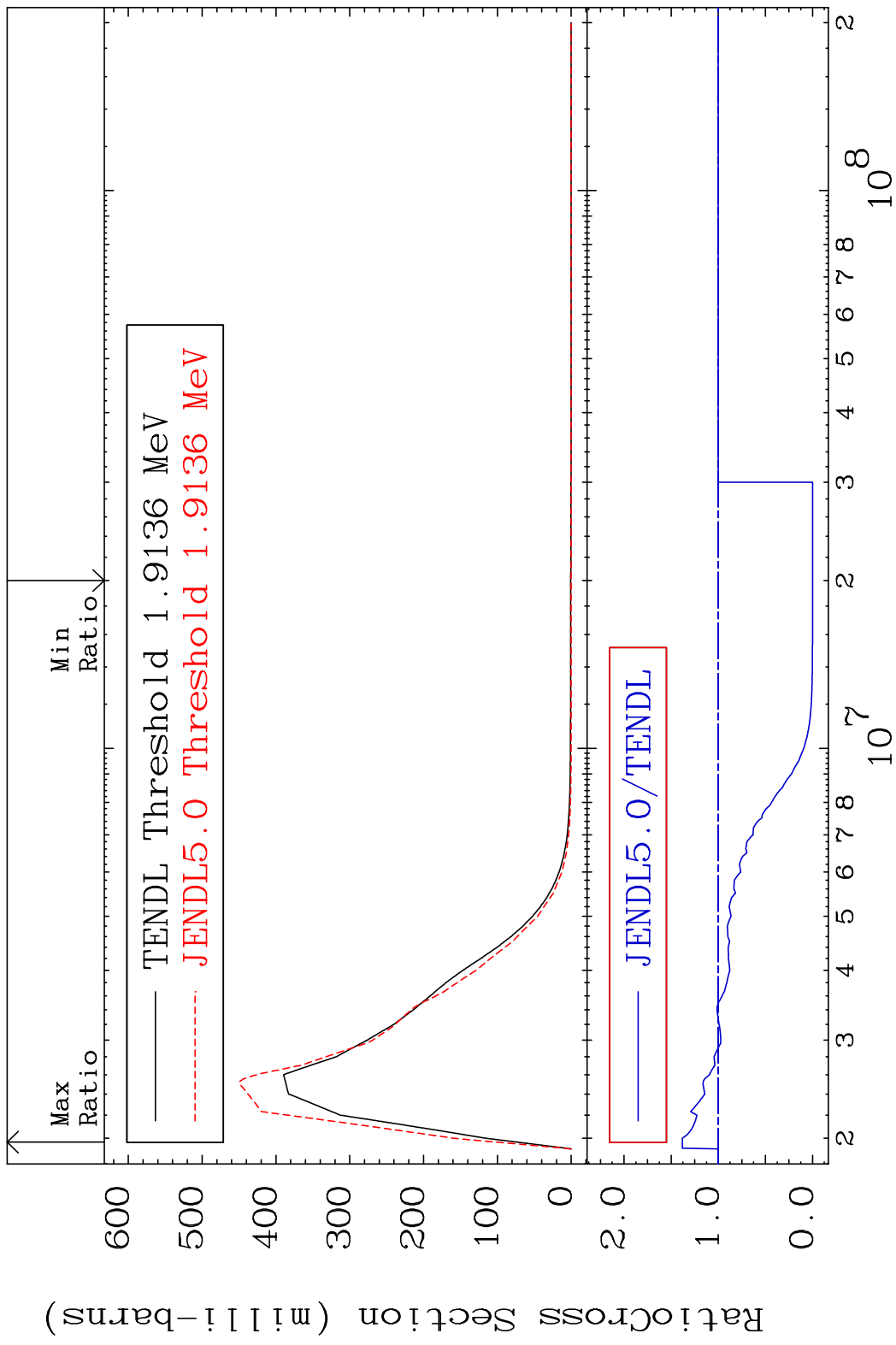


10 Incident Energy (eV) 38-Sr-90

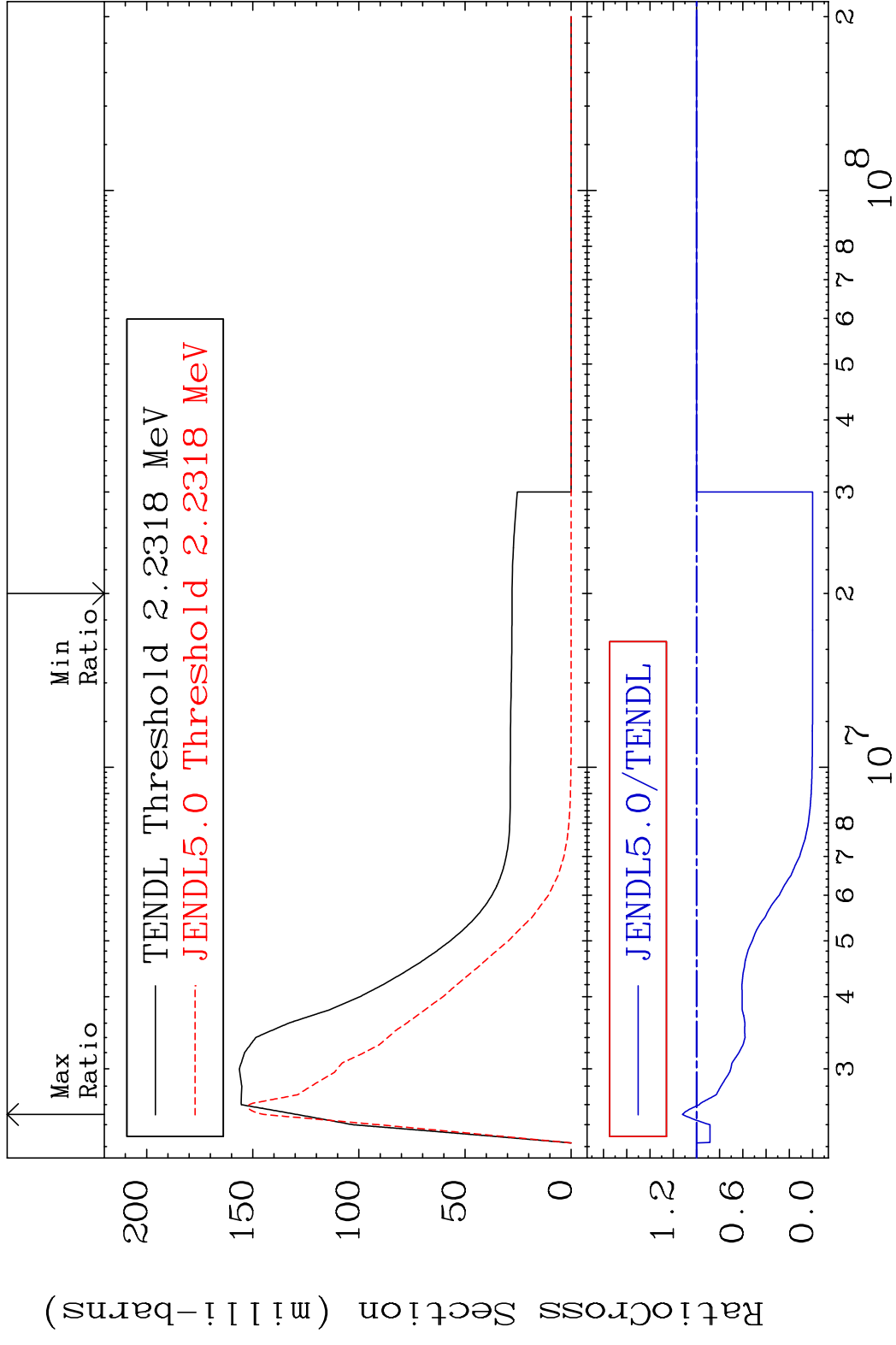
MAT 3843 MT= 52 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 51.22 %



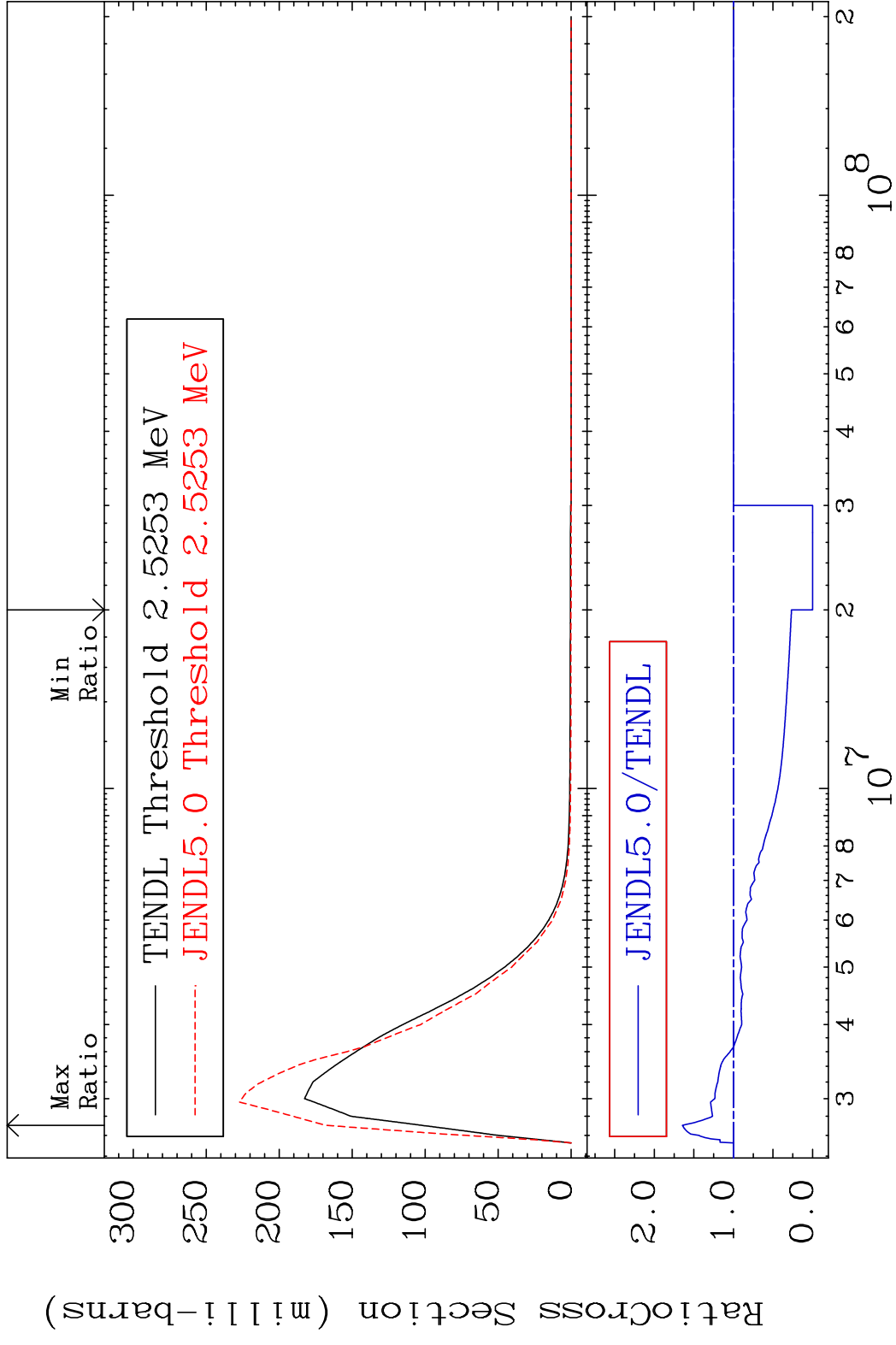
MAT 3843 MT= 53 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 38.11 %



MAT 3843 MT= 54 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 12.13 %

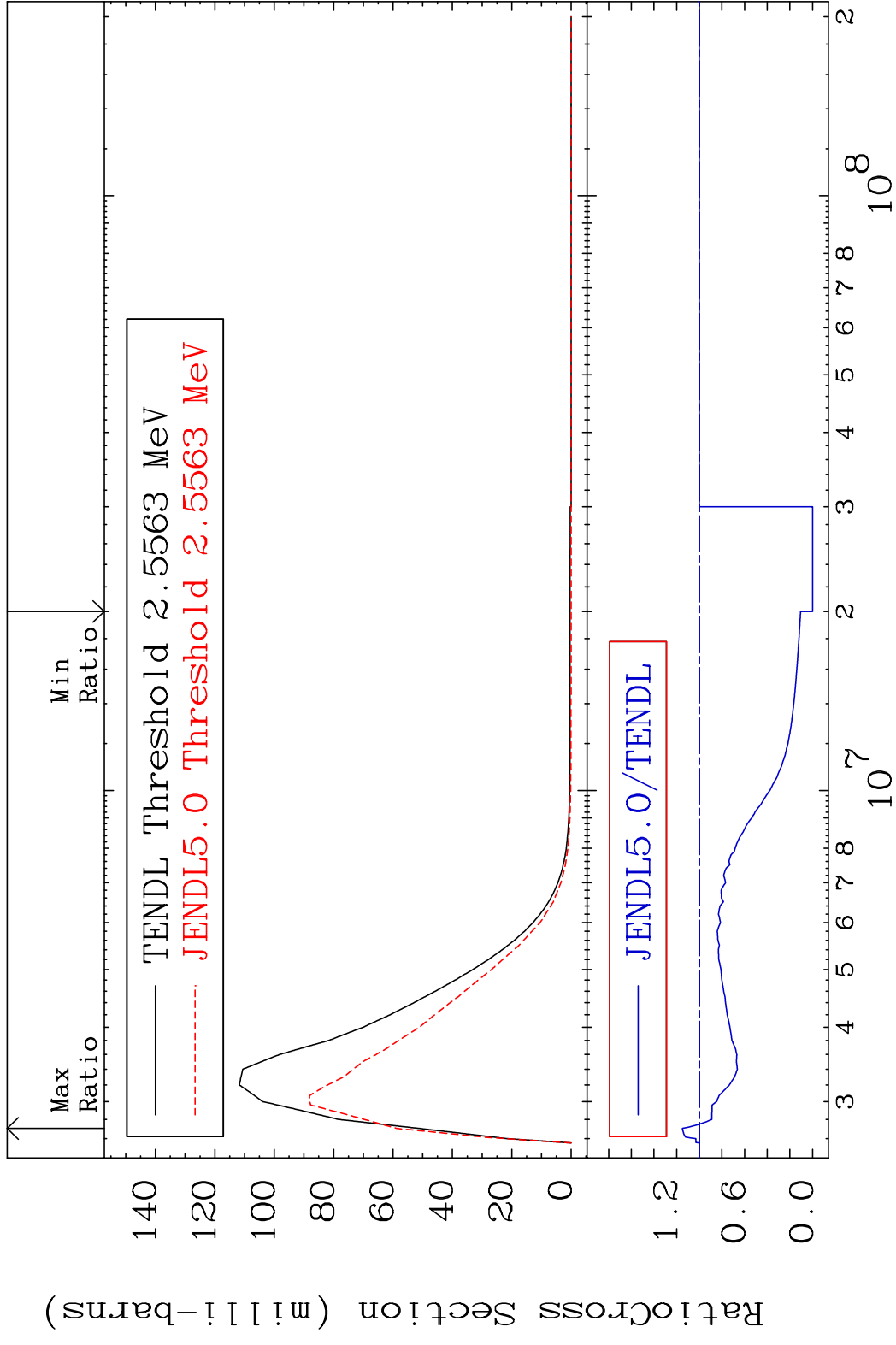


MAT 3843 MT= 55 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 64.53 %



14 Incident Energy (eV) 38-Sr-90

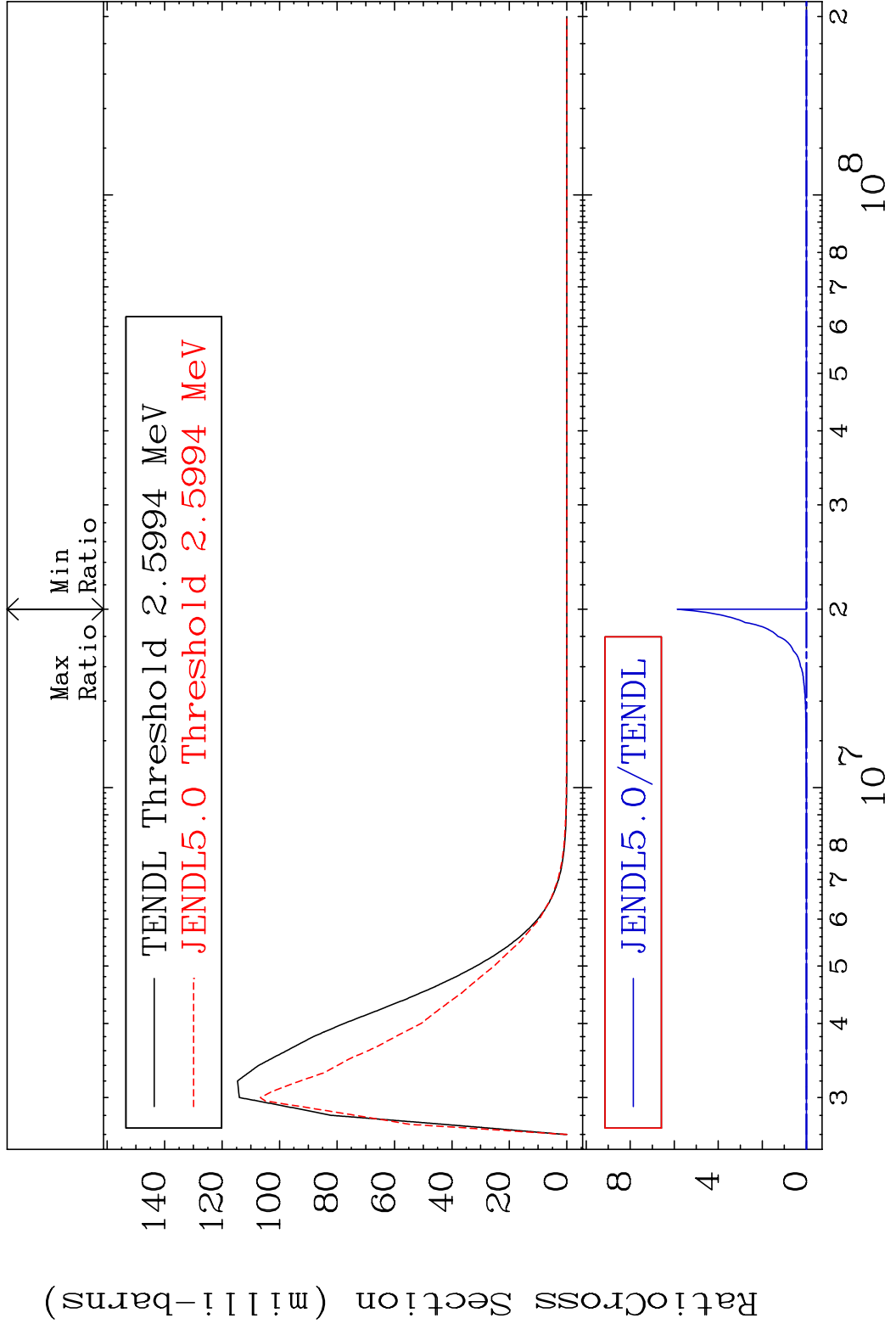
MAT 3843 MT= 56 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 14.96 %



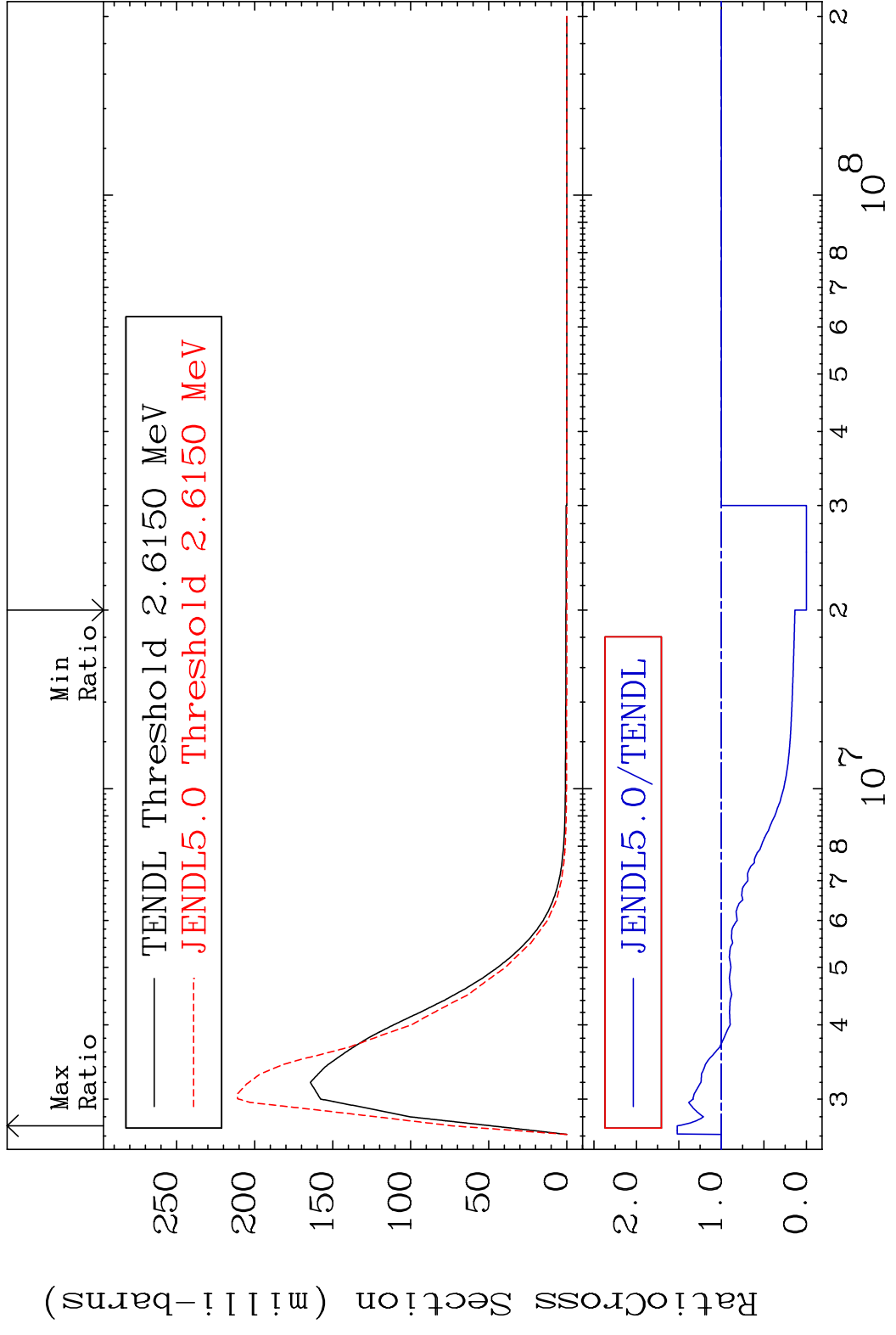
15 Incident Energy (eV) 38-Sr-90



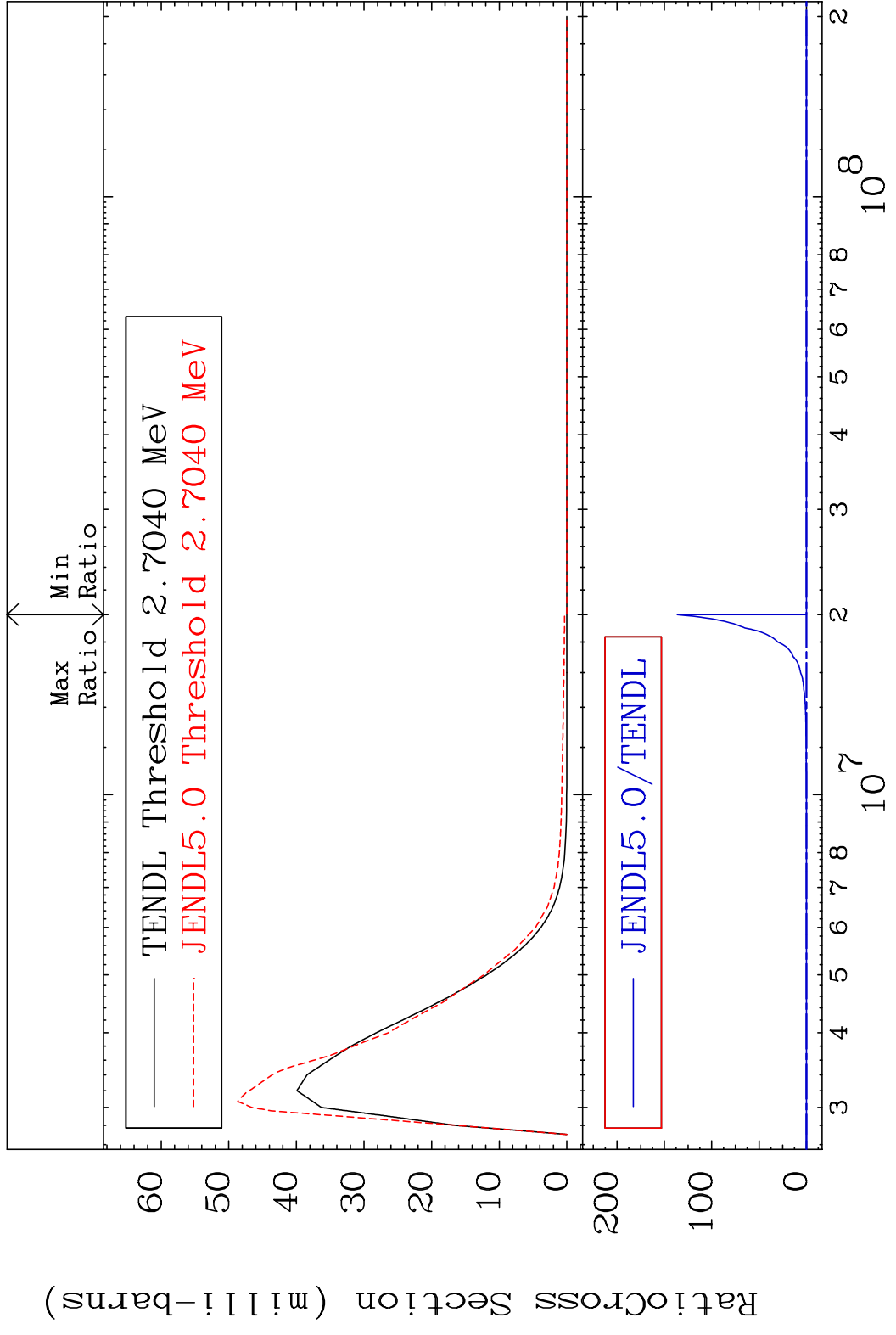
MAT 3843 MT= 57 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



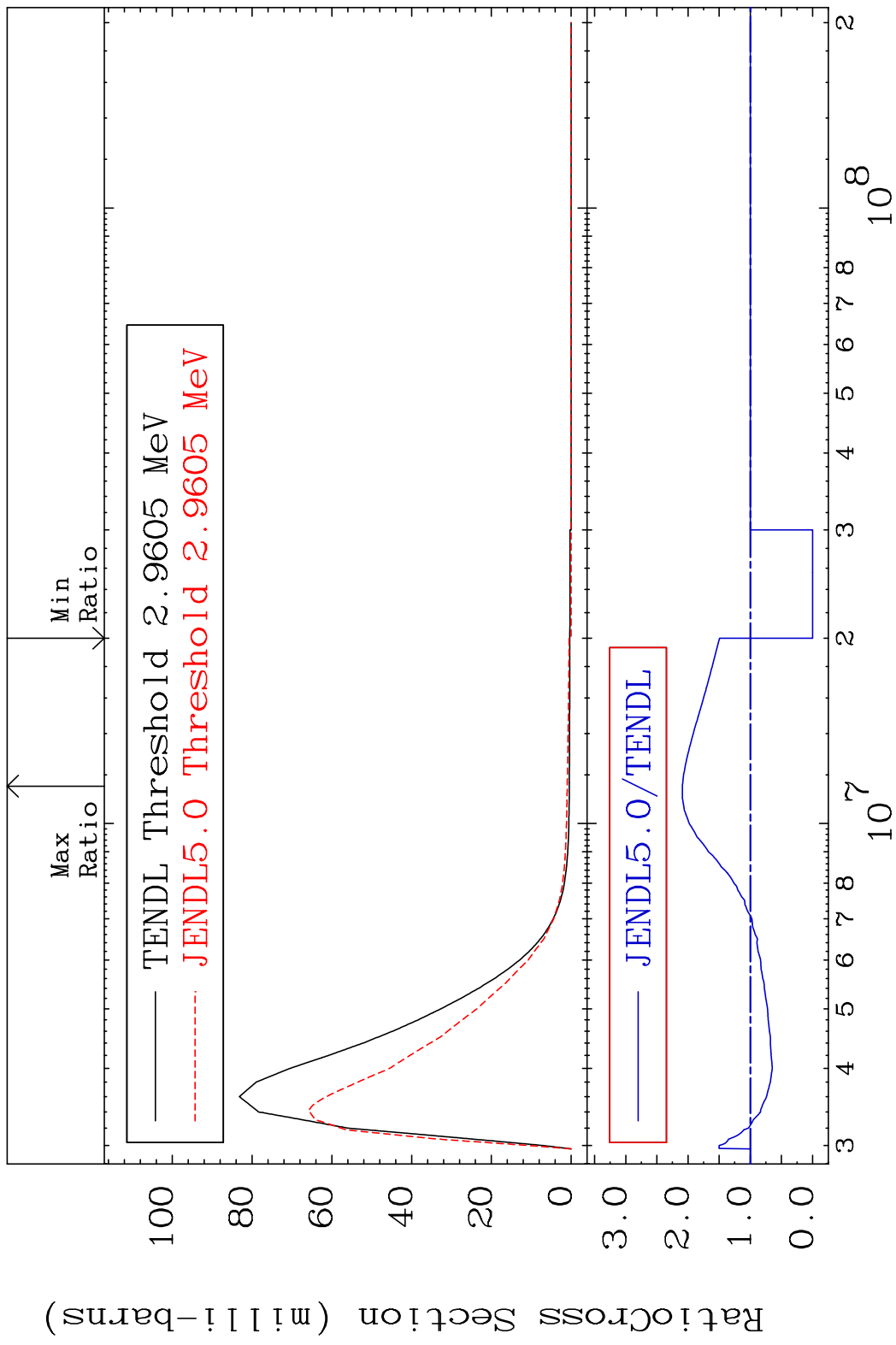
MAT 3843 MT= 58 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 52.01 %



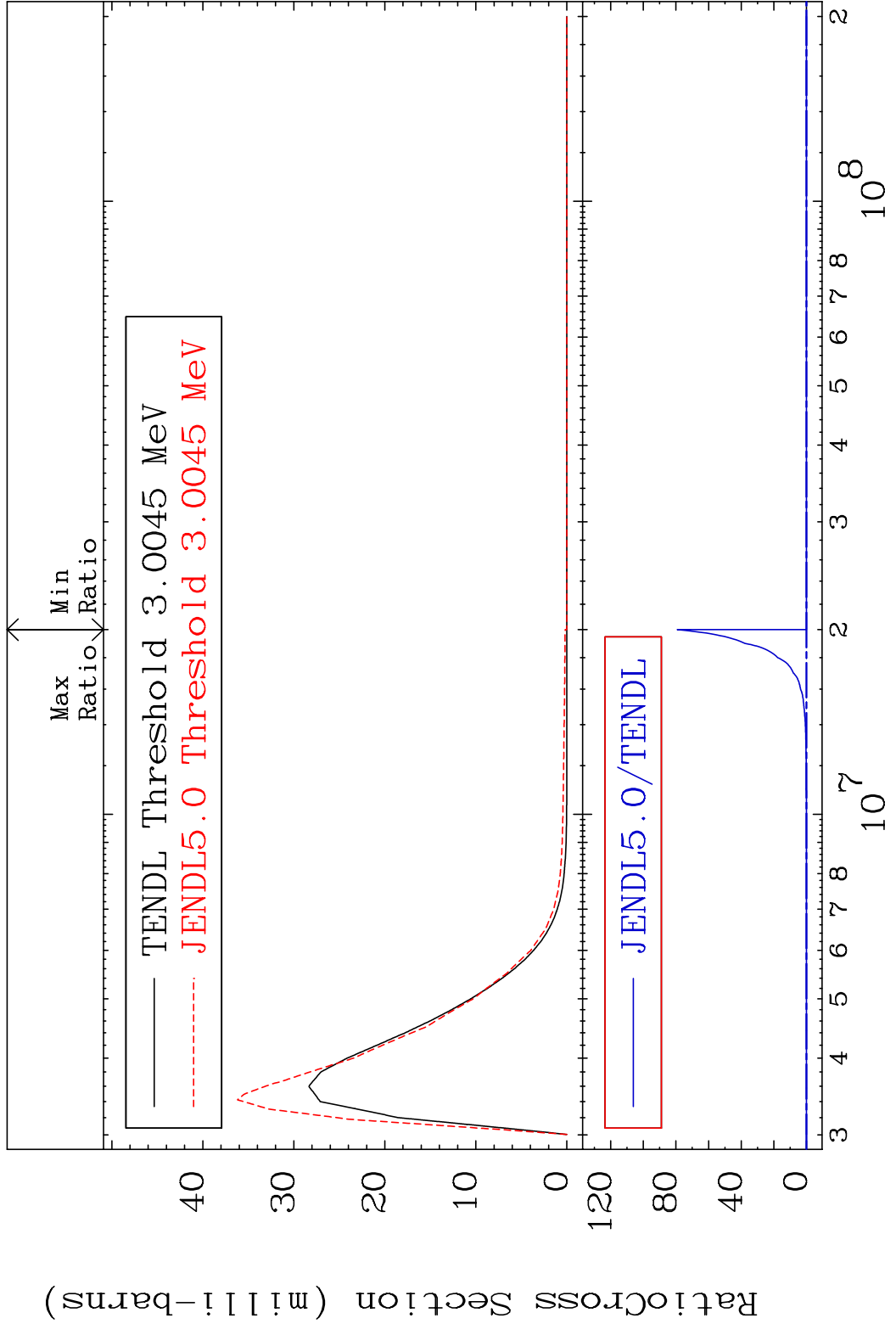
MAT 3843 MT= 59 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



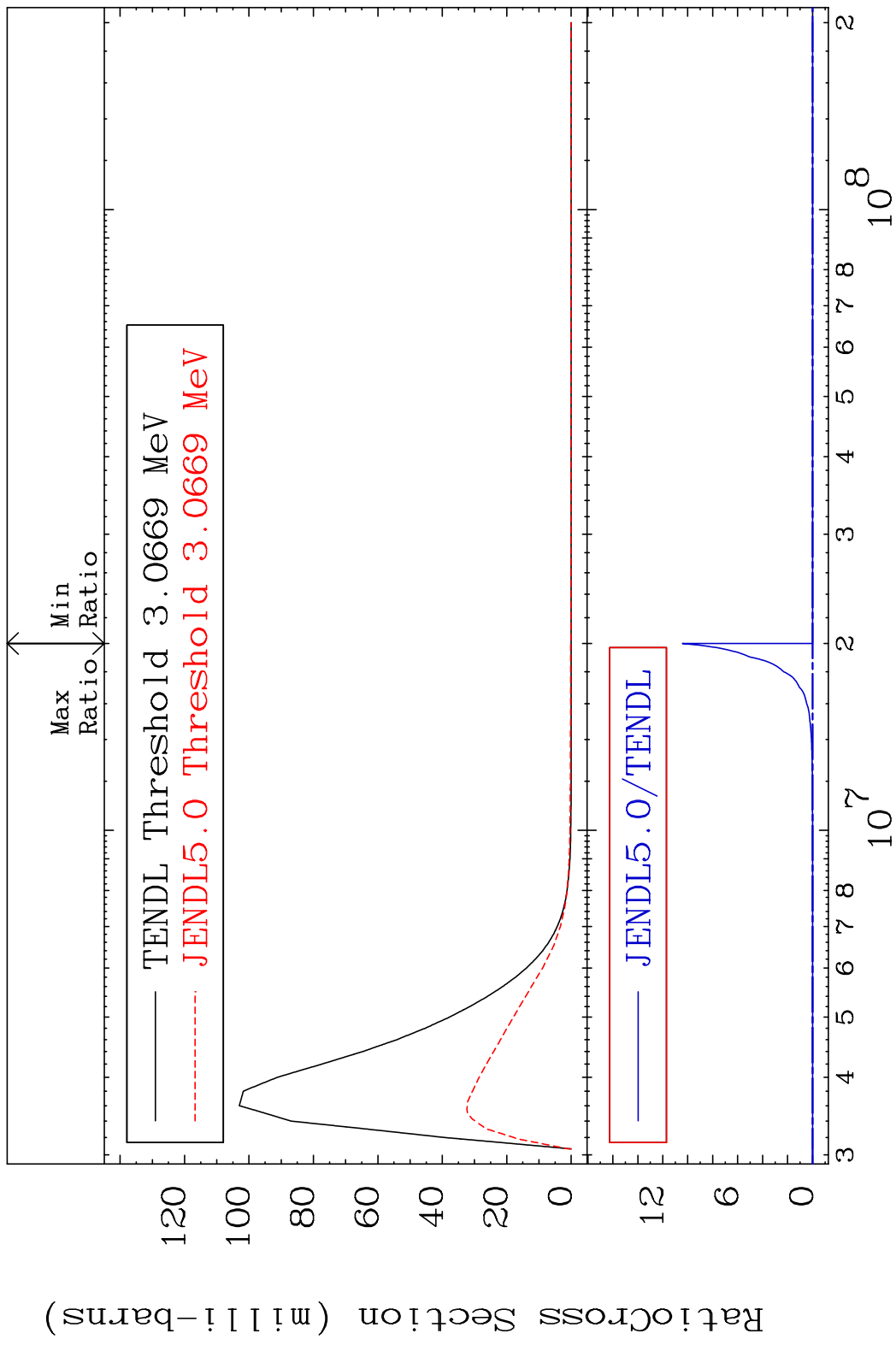
MAT 3843 MT= 60 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 109.1 %



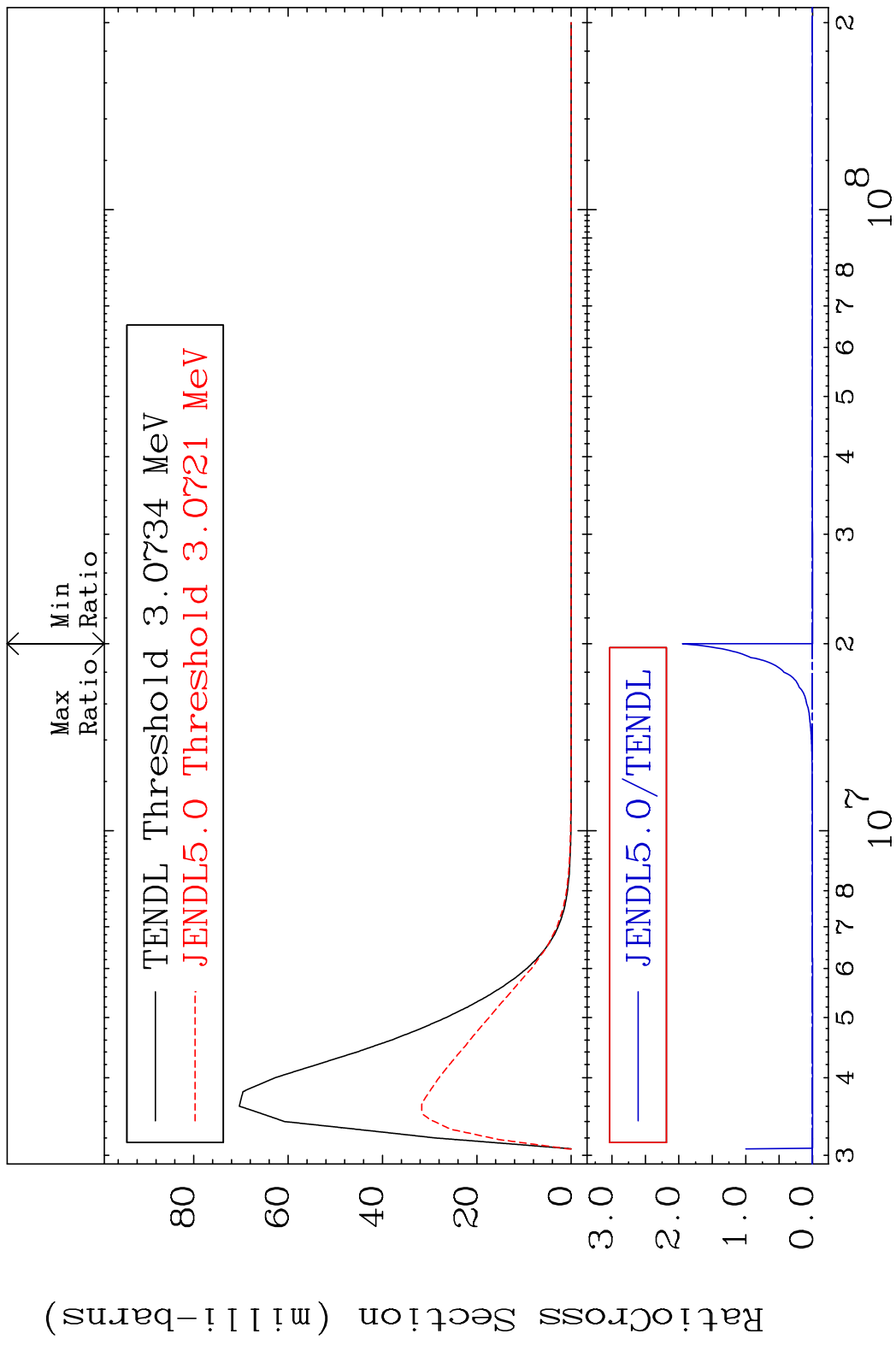
MAT 3843 MT= 61 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



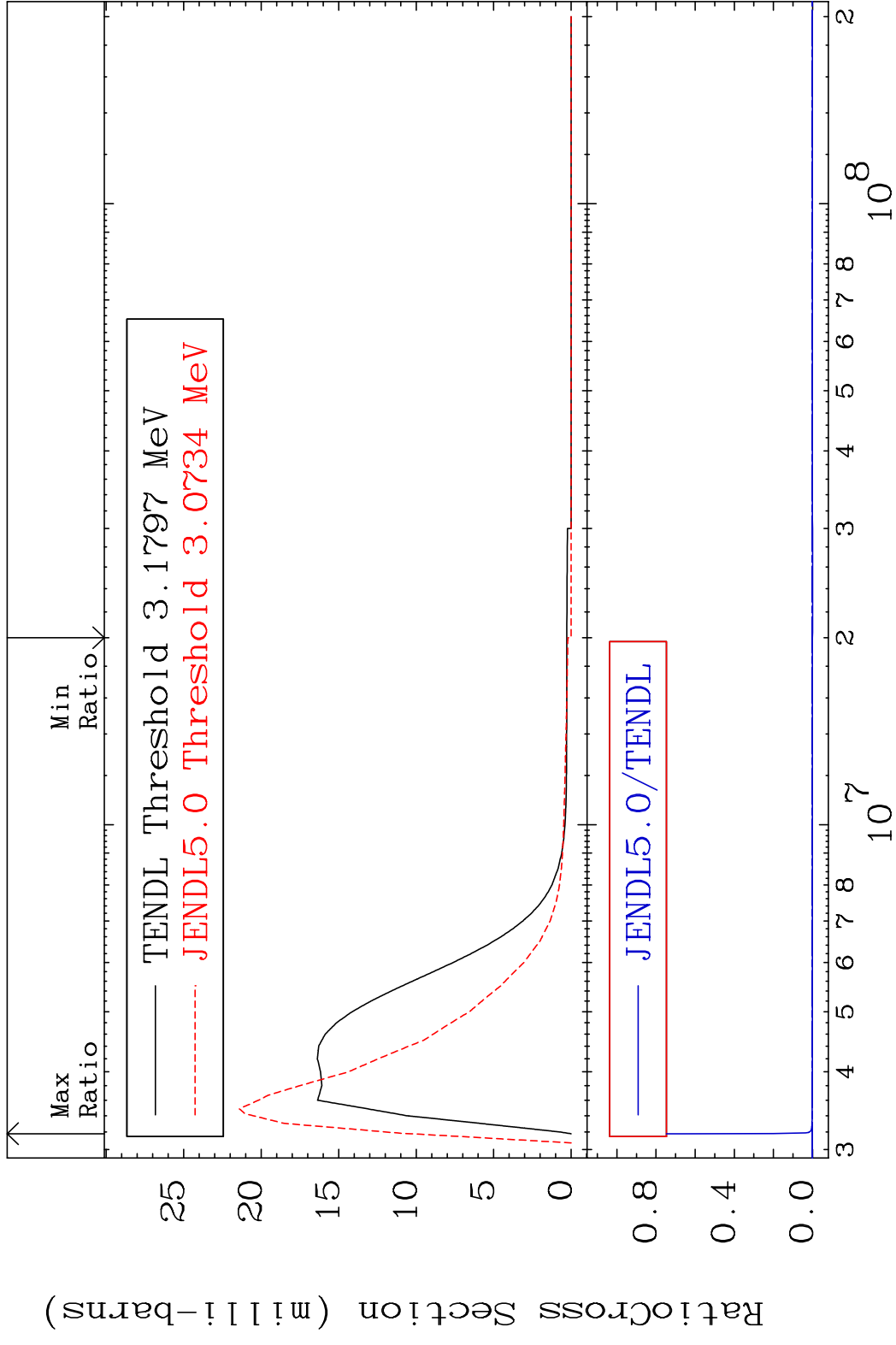
MAT 3843 MT= 62 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



MAT 3843 MT= 63 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %

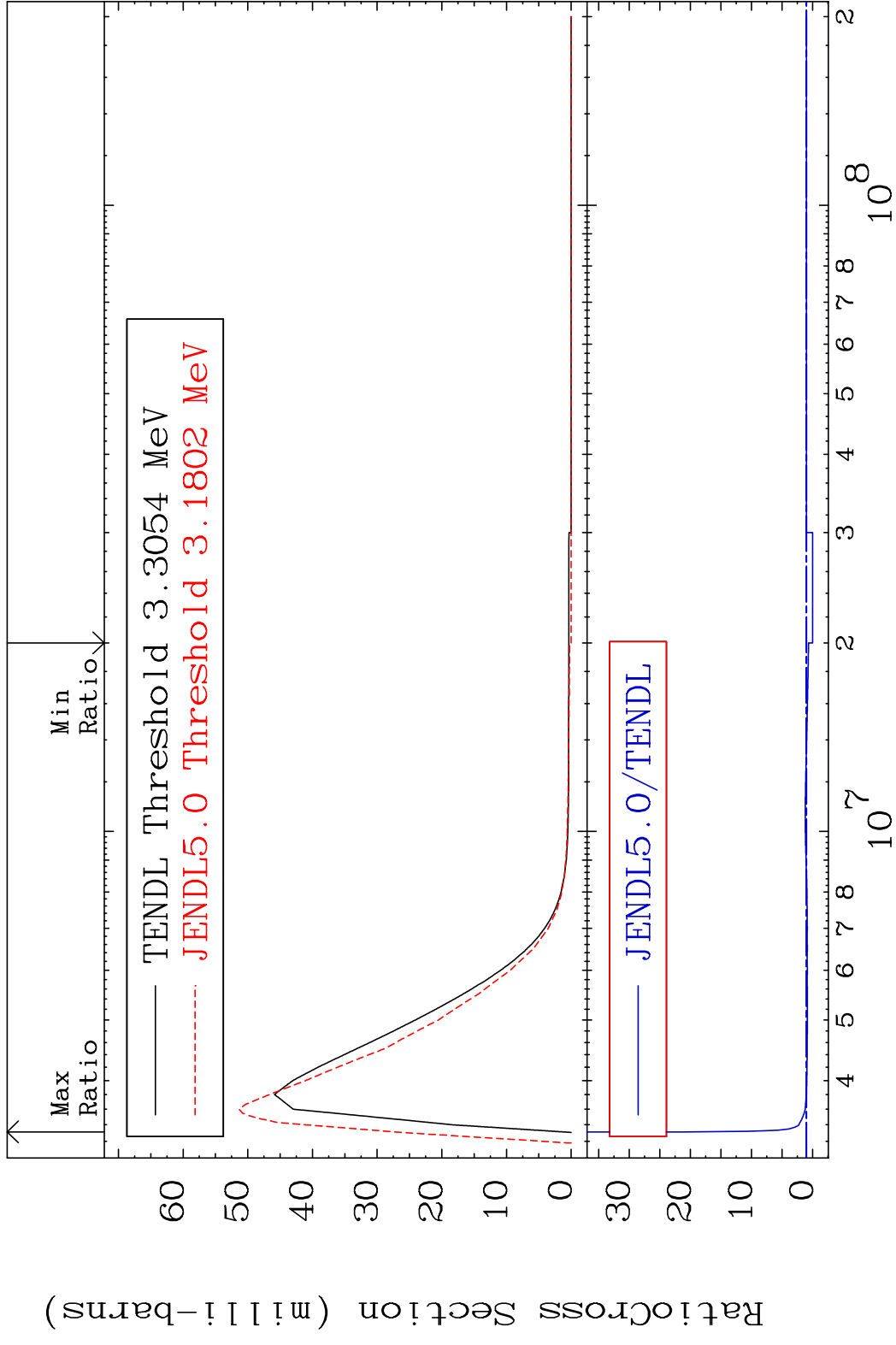


MAT 3843 MT= 64 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %

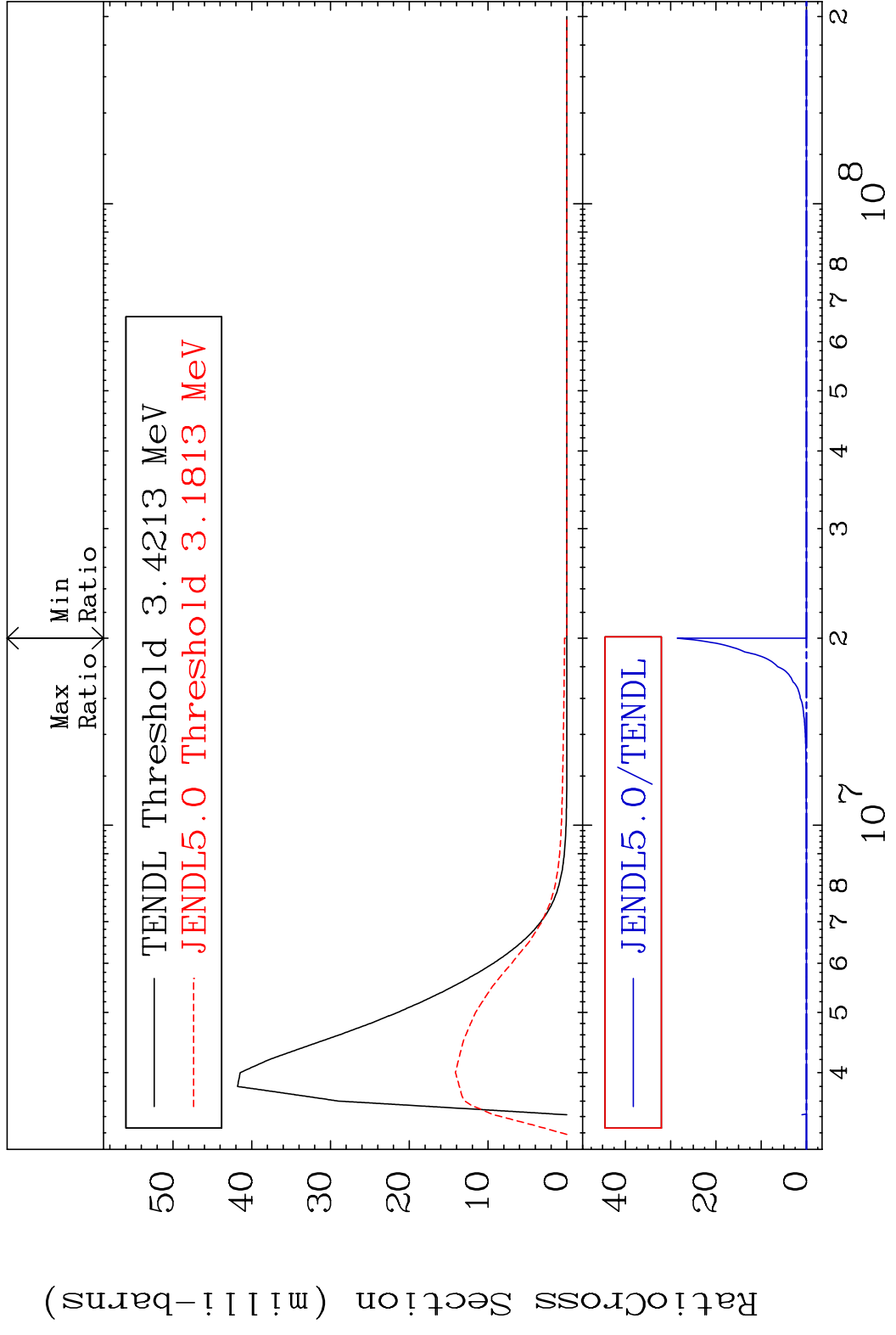




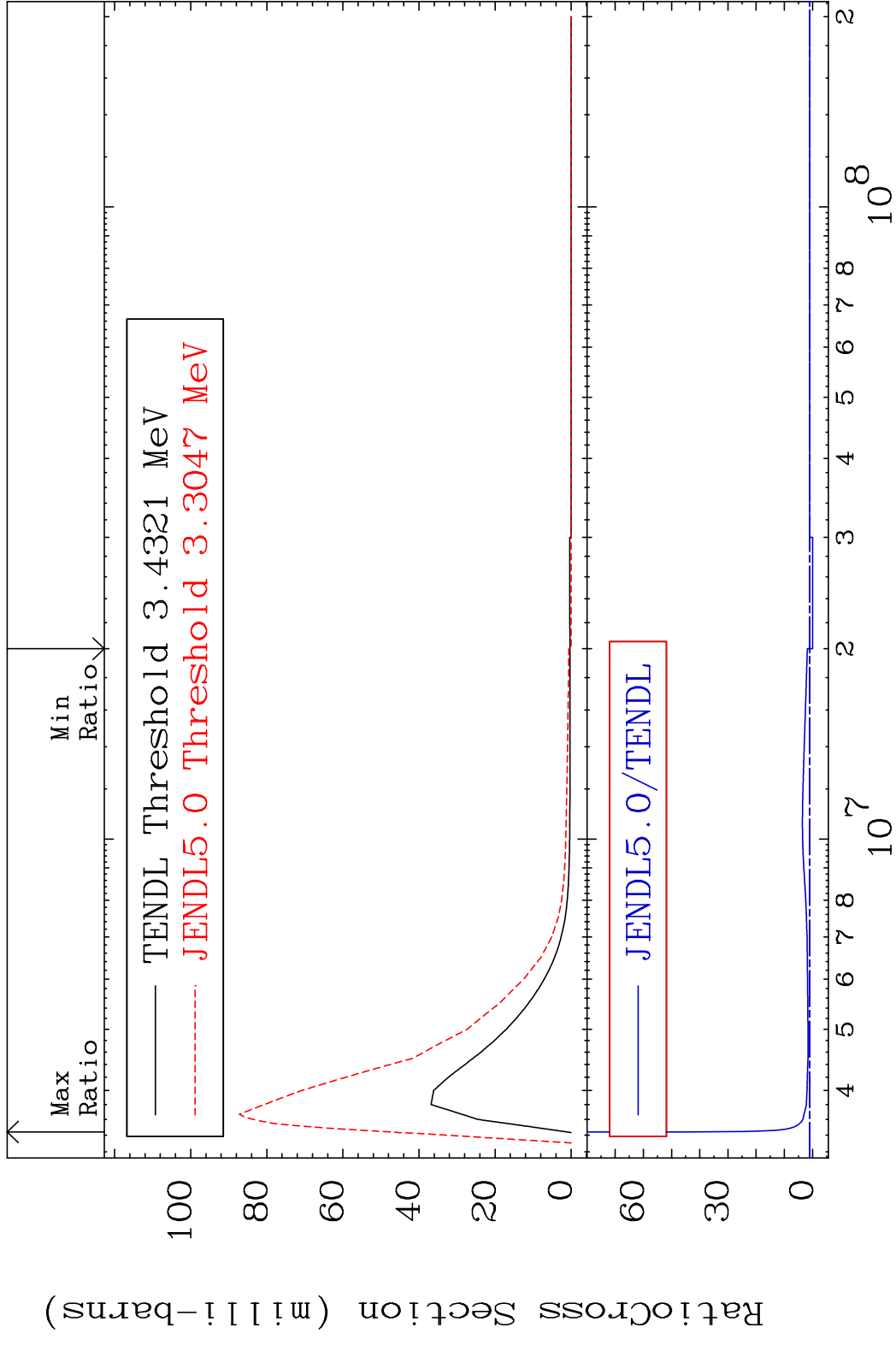
MAT 3843 MT= 65 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 2030. %



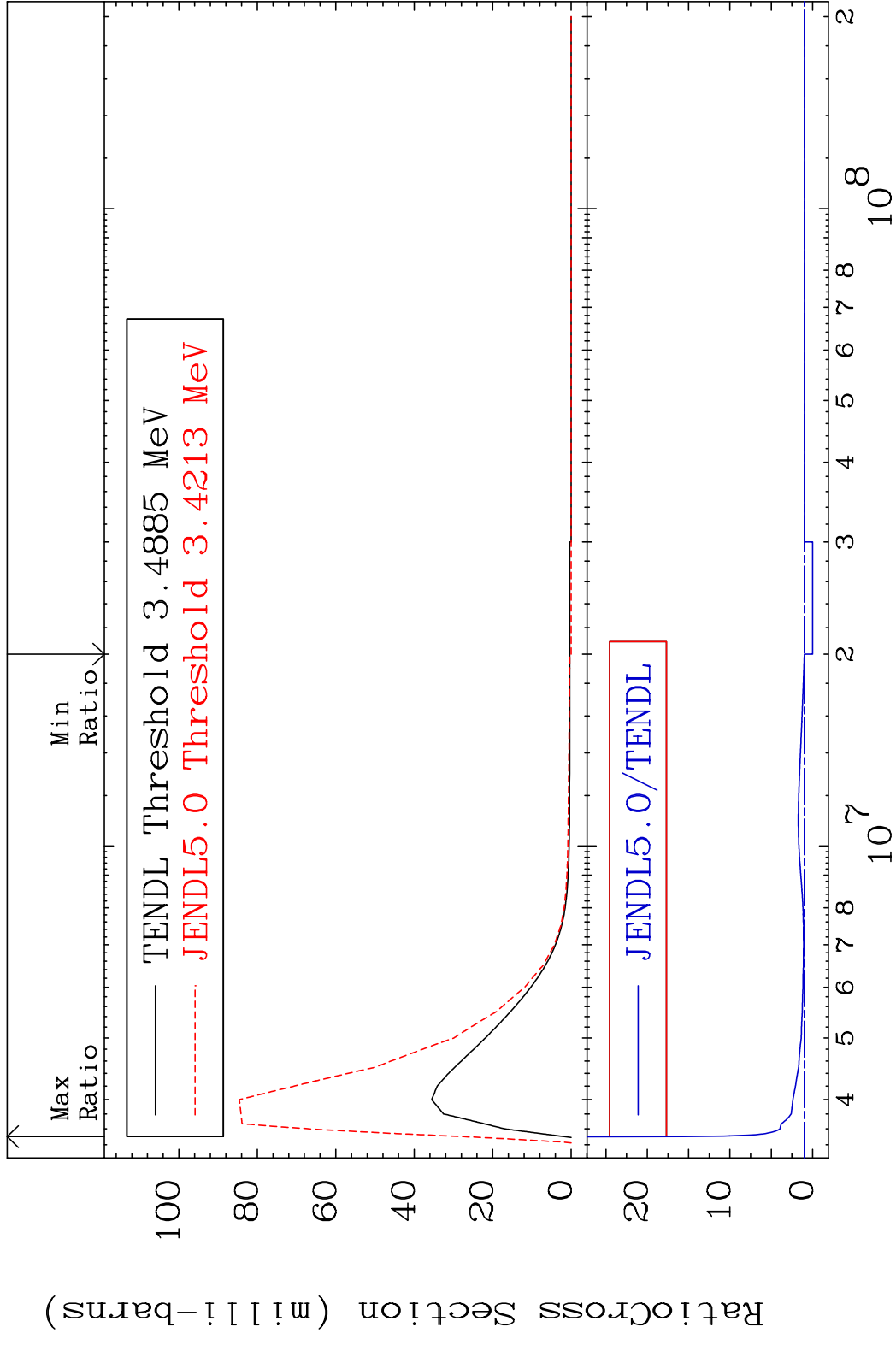
MAT 3843 MT= 66 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



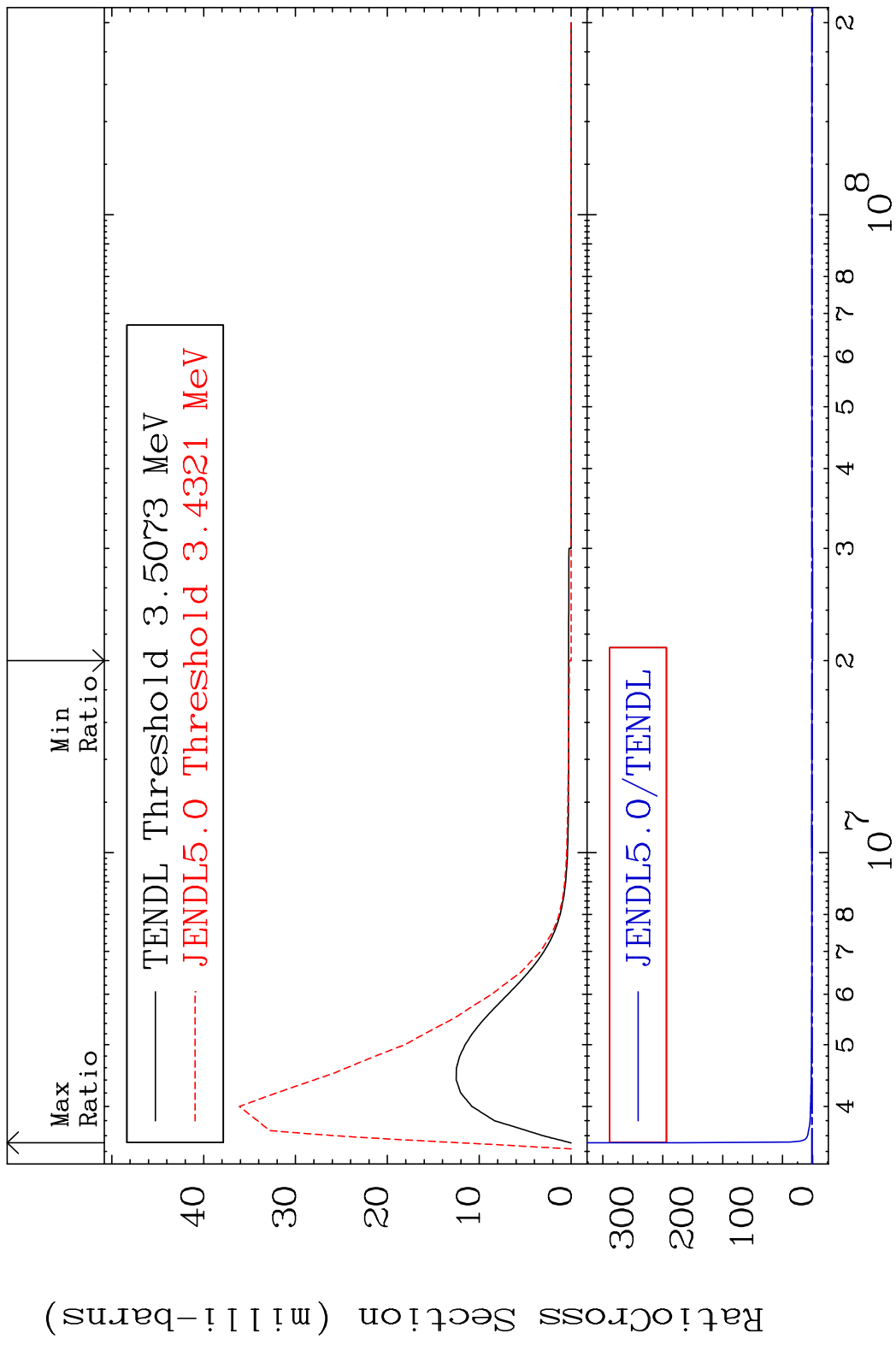
MAT 3843 MT= 67 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 4517. %



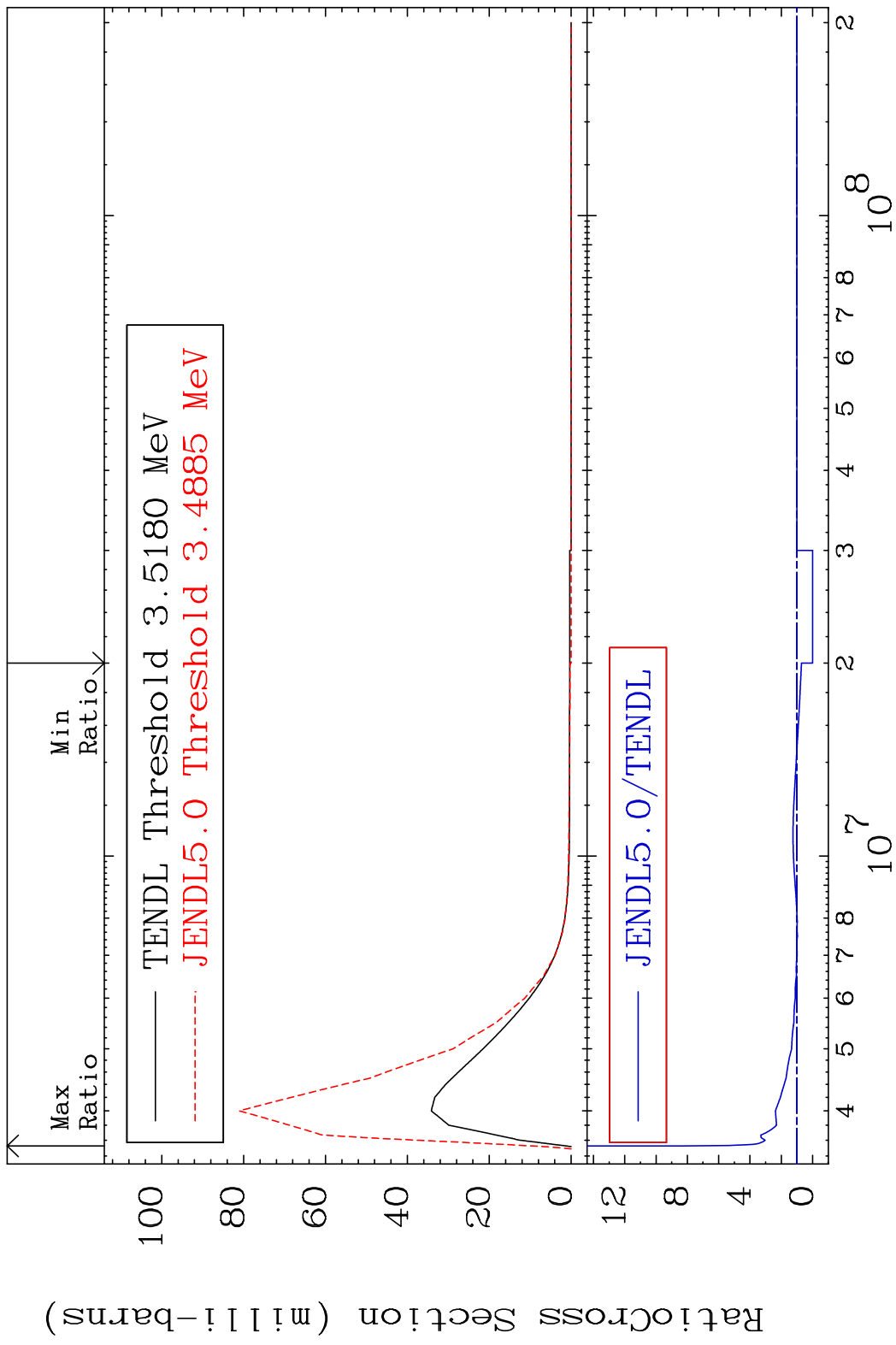
MAT 3843 MT= 68 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 1475. %



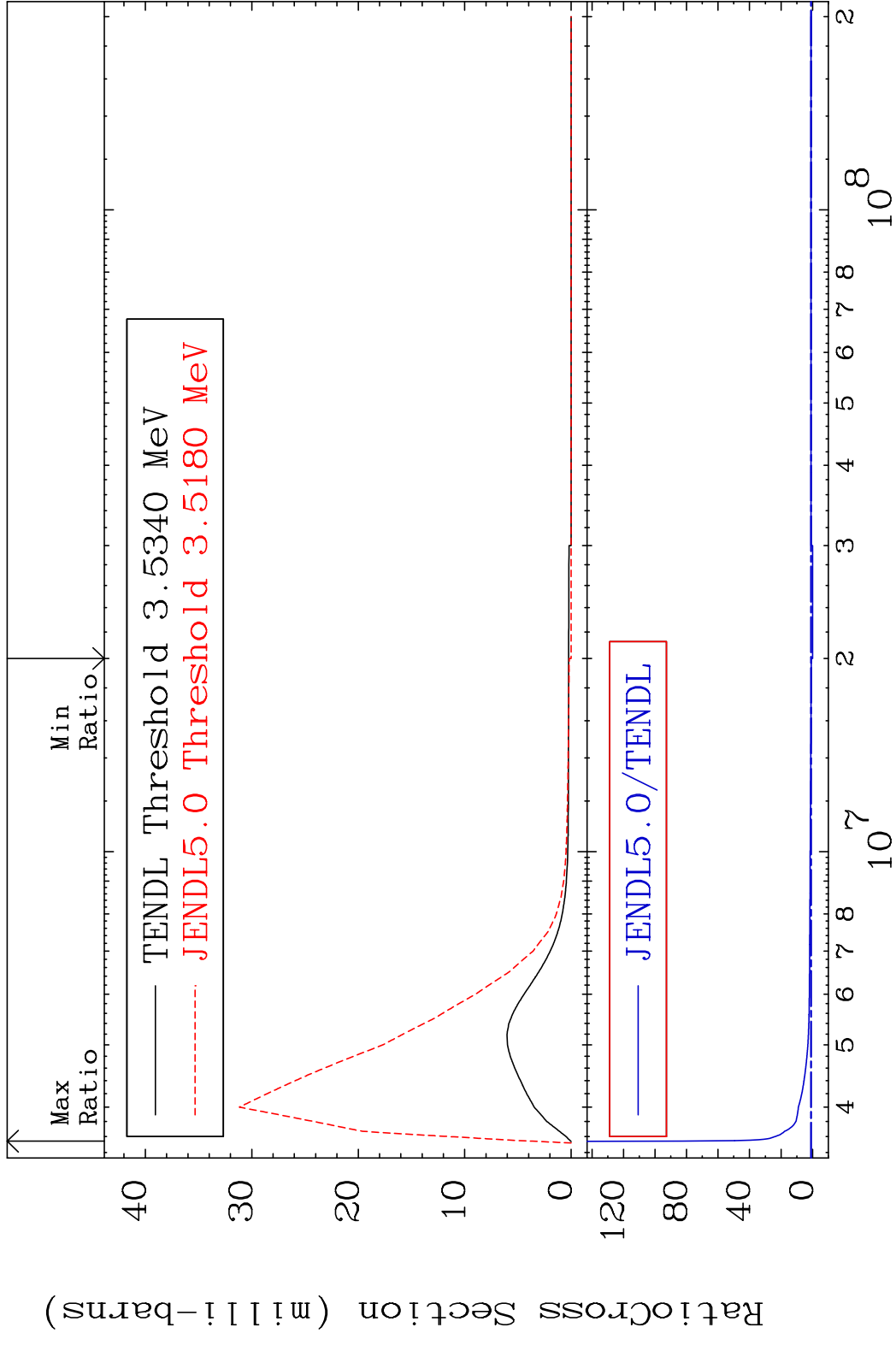
MAT 3843 MT= 69 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



MAT 3843 MT= 70 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 732.0 %

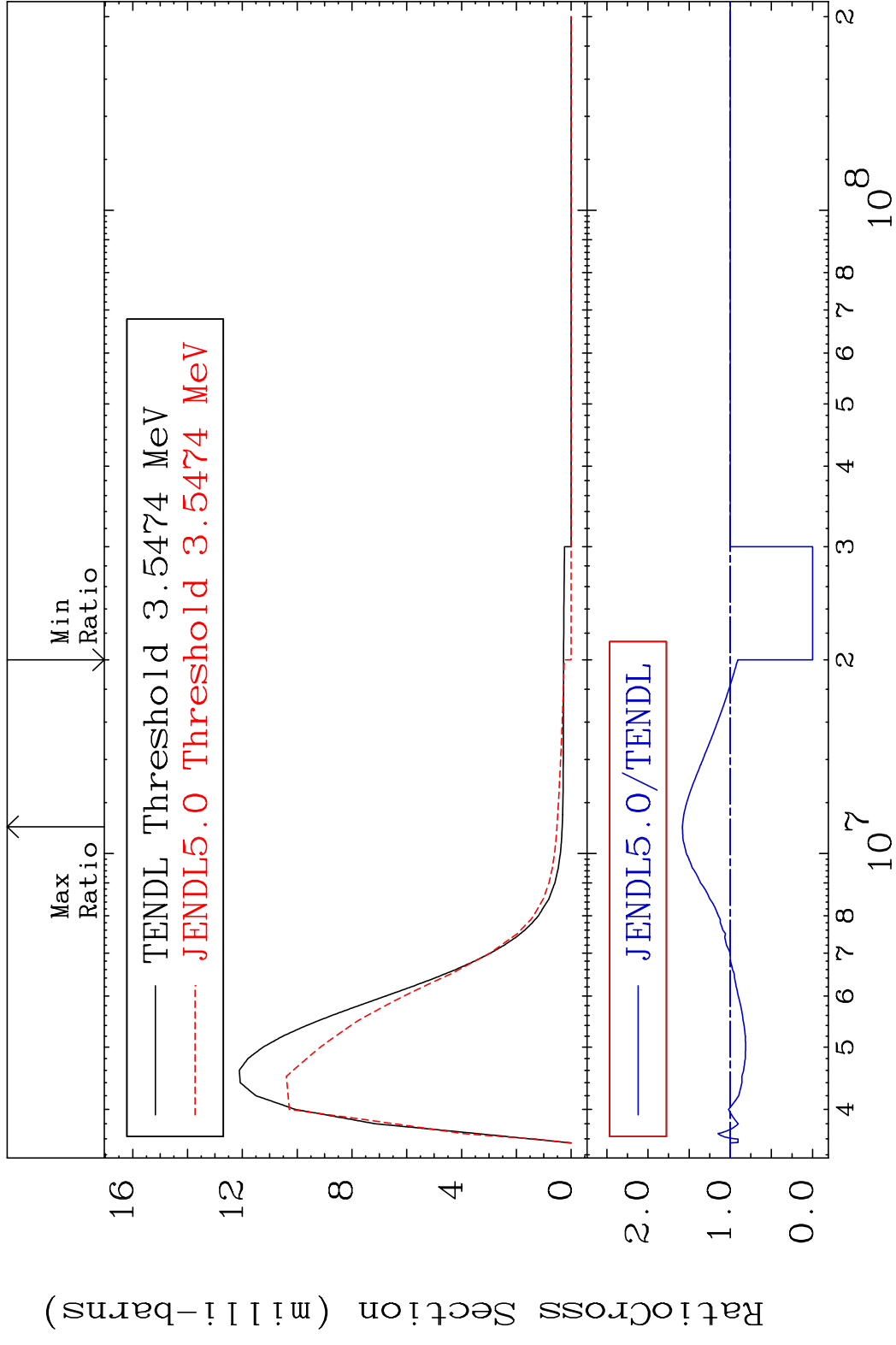


MAT 3843 MT= 71 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 8165. %



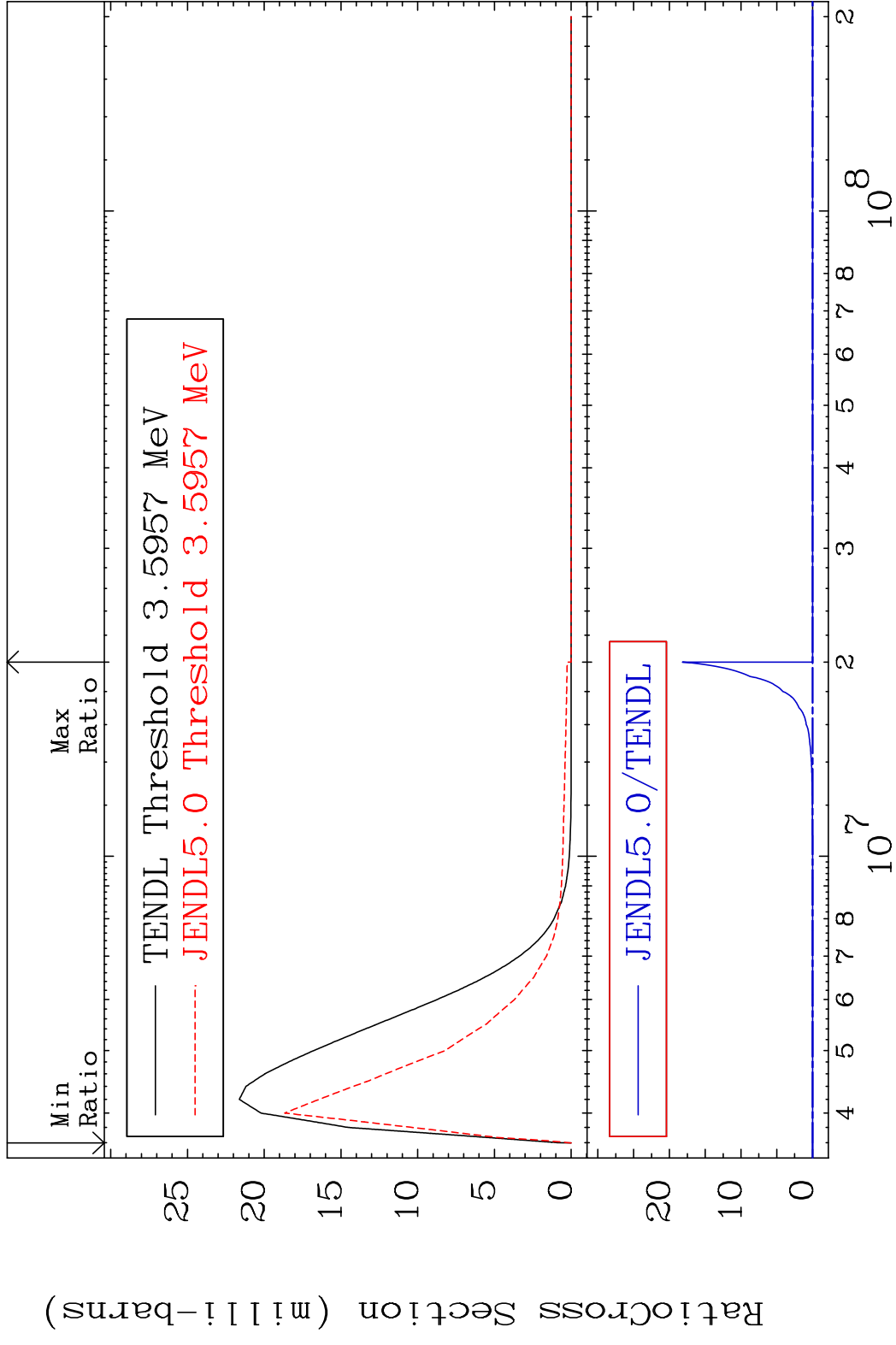
30 Incident Energy (eV) 38-Sr-90

MAT 3843 MT= 72 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 58.24 %

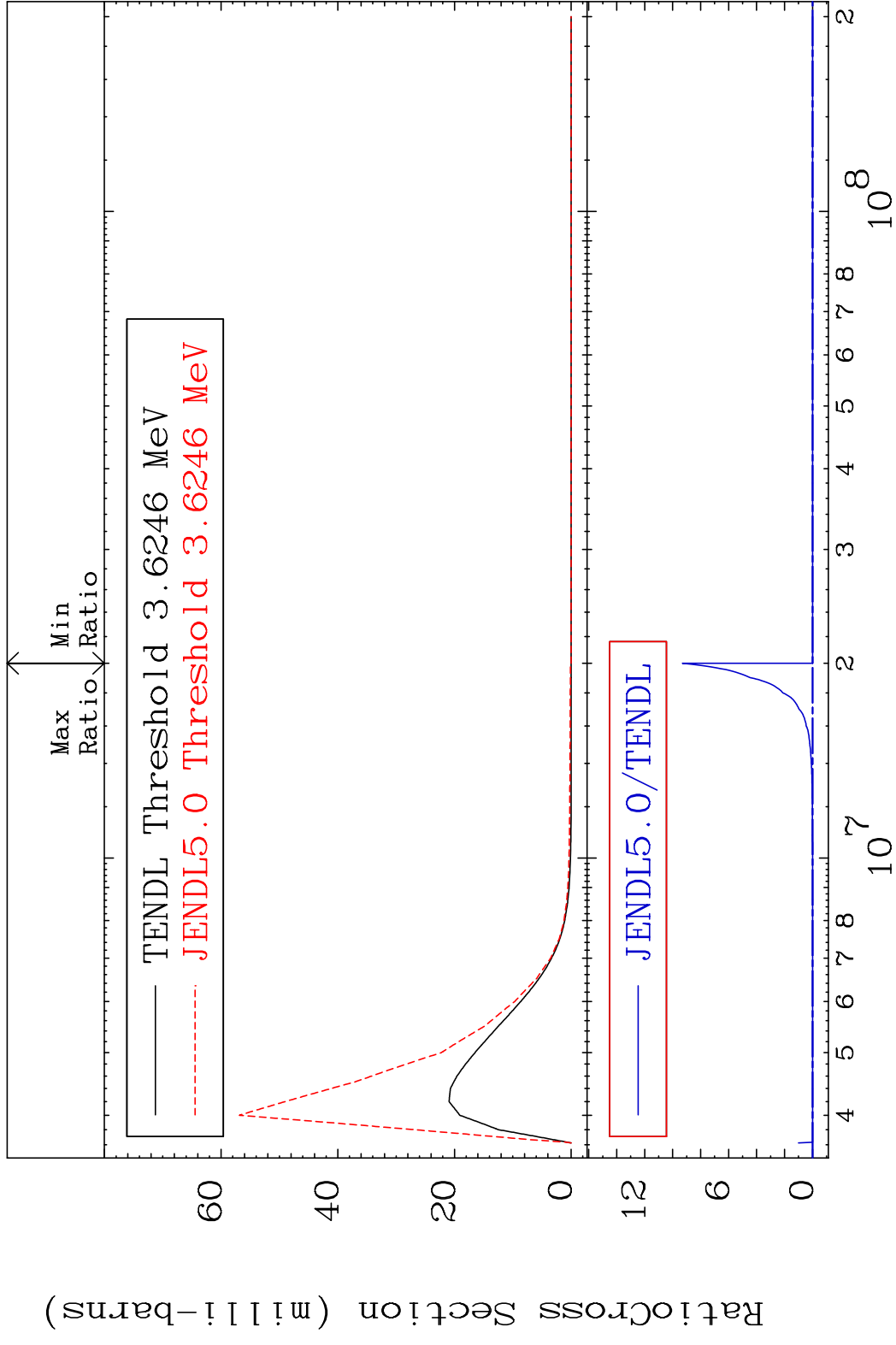




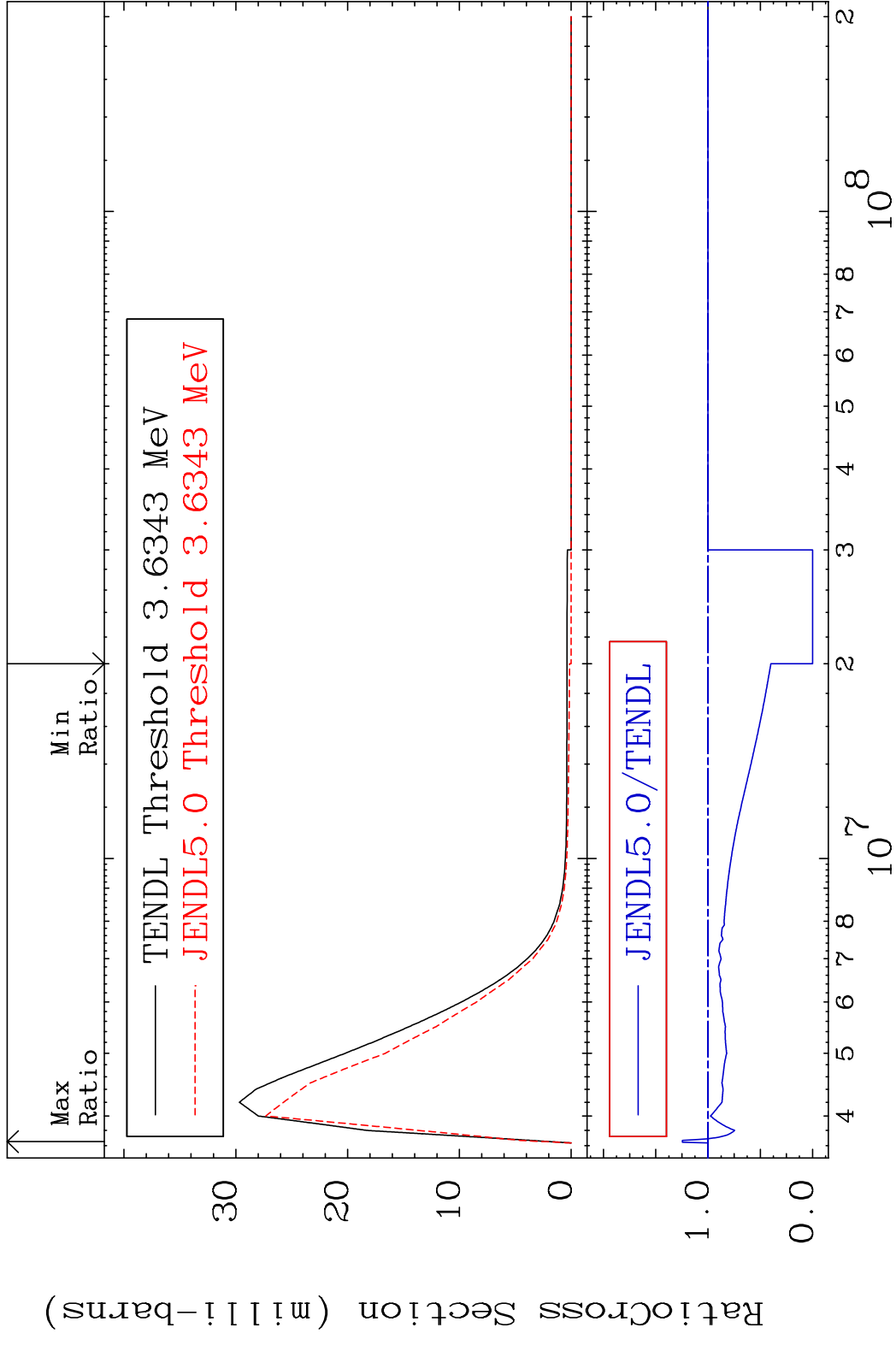
MAT 3843 MT= 73 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



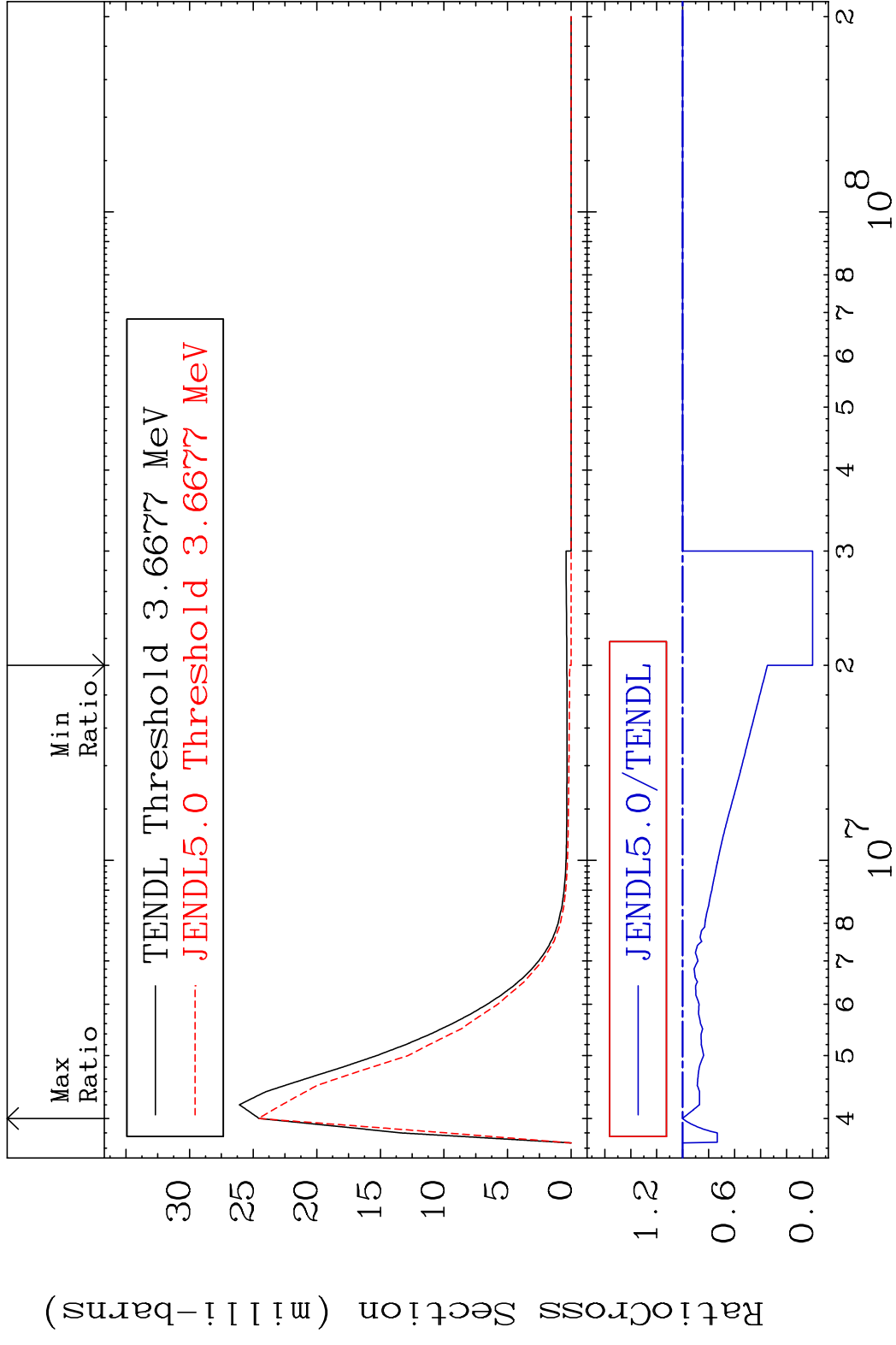
MAT 3843 MT= 74 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



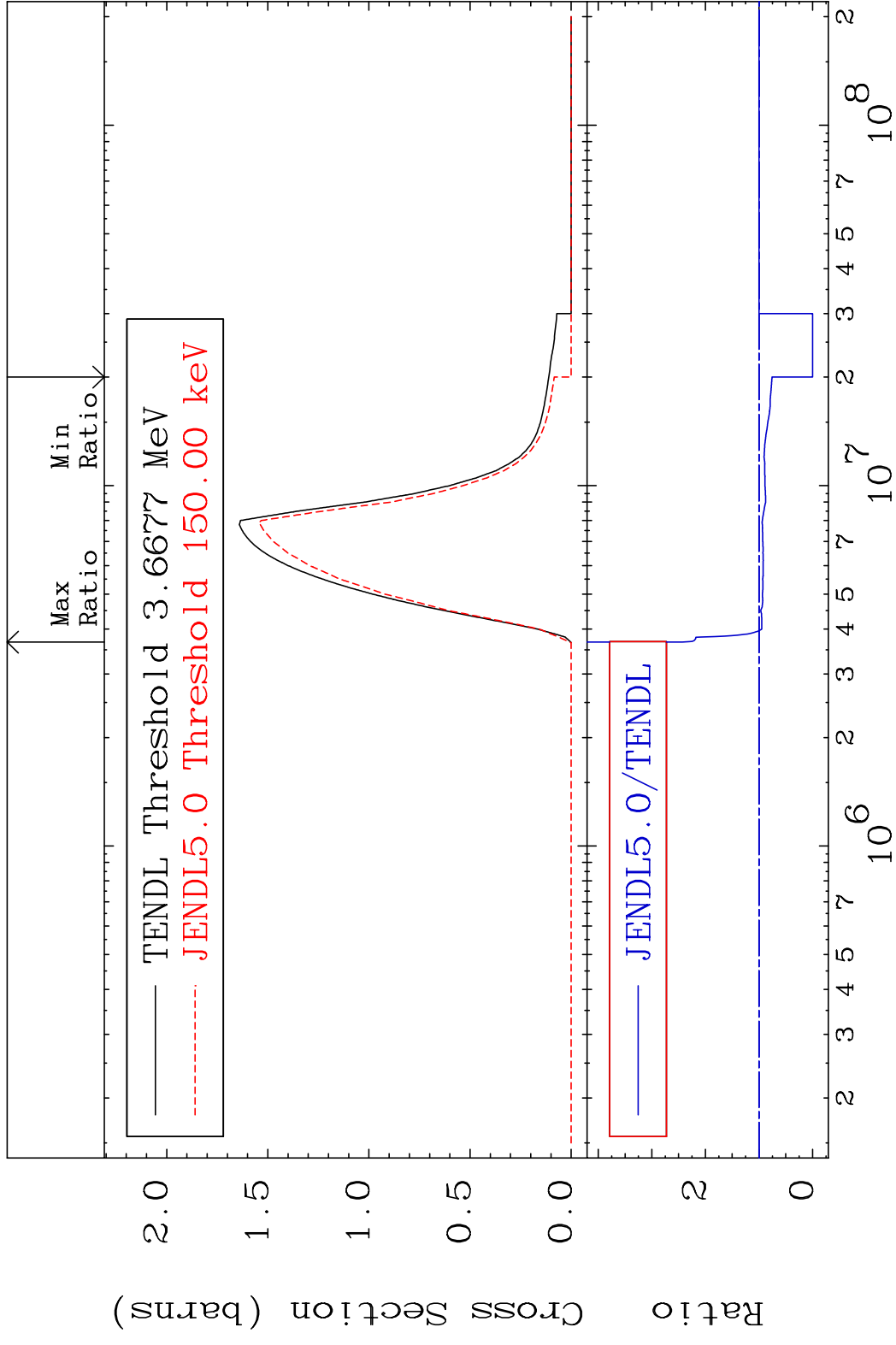
MAT 3843 MT= 75 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 24.57 %



MAT 3843 MT= 76 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 0.269 %



MAT 3843 (n,n') Continuum 38-Sr-90  
 Cross Section -100.0 To 143.0 %



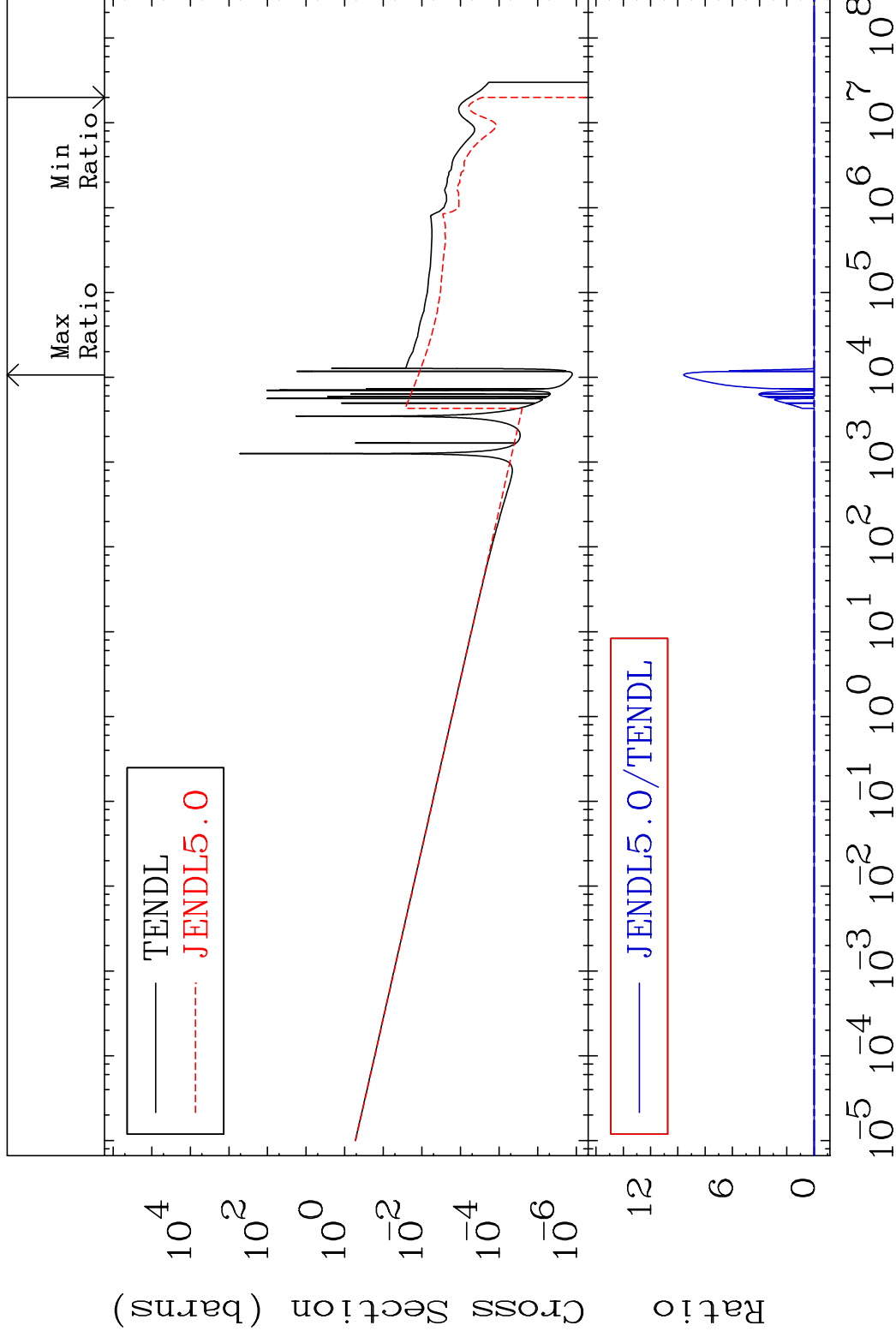
MAT 3843

(n,  $\gamma$ )

38-Sr-90

Cross Section

-100.0 To 9999. %



37

Incident Energy (eV)

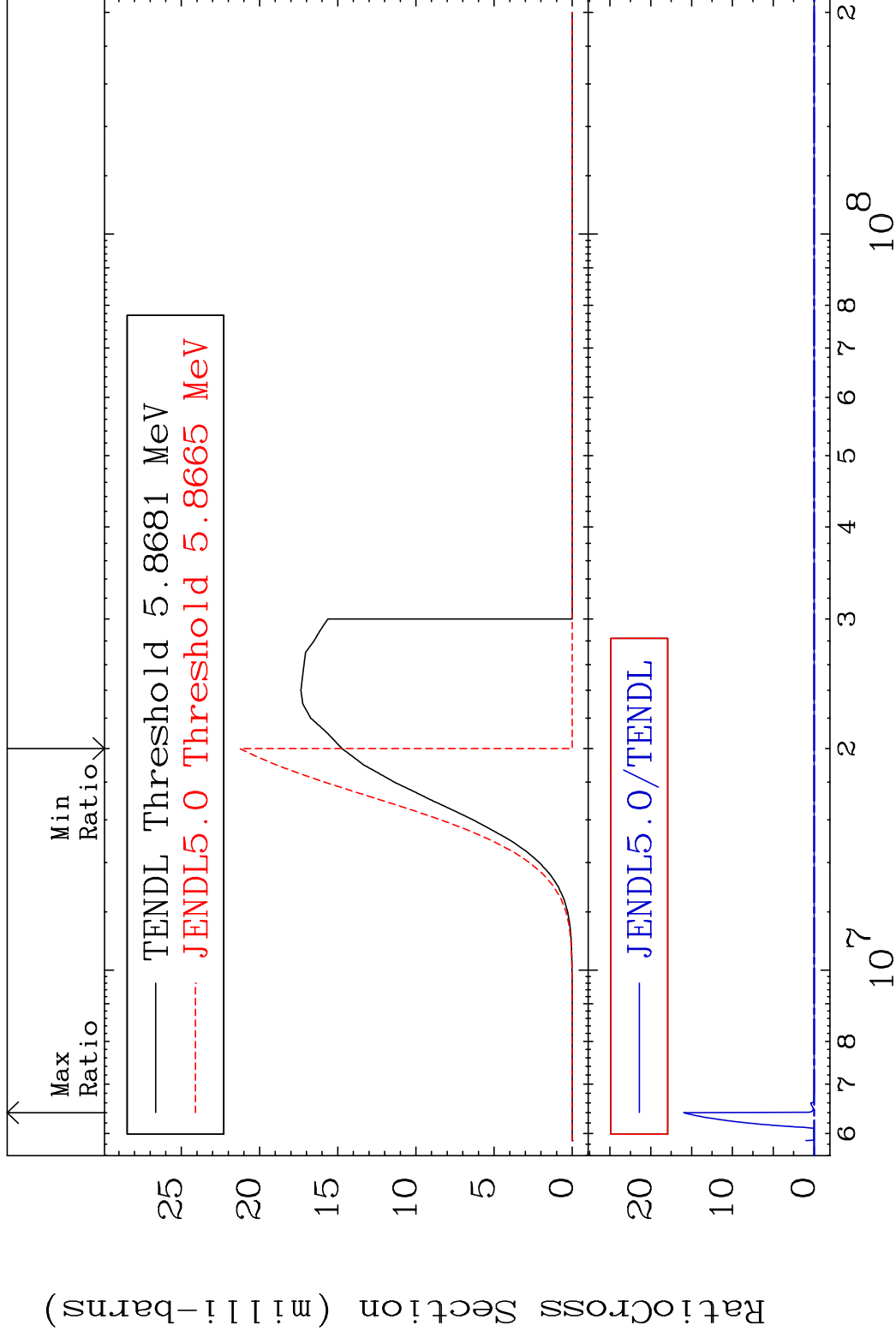
38-Sr-90

MAT 3843

(n, p)

38-Sr-90

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

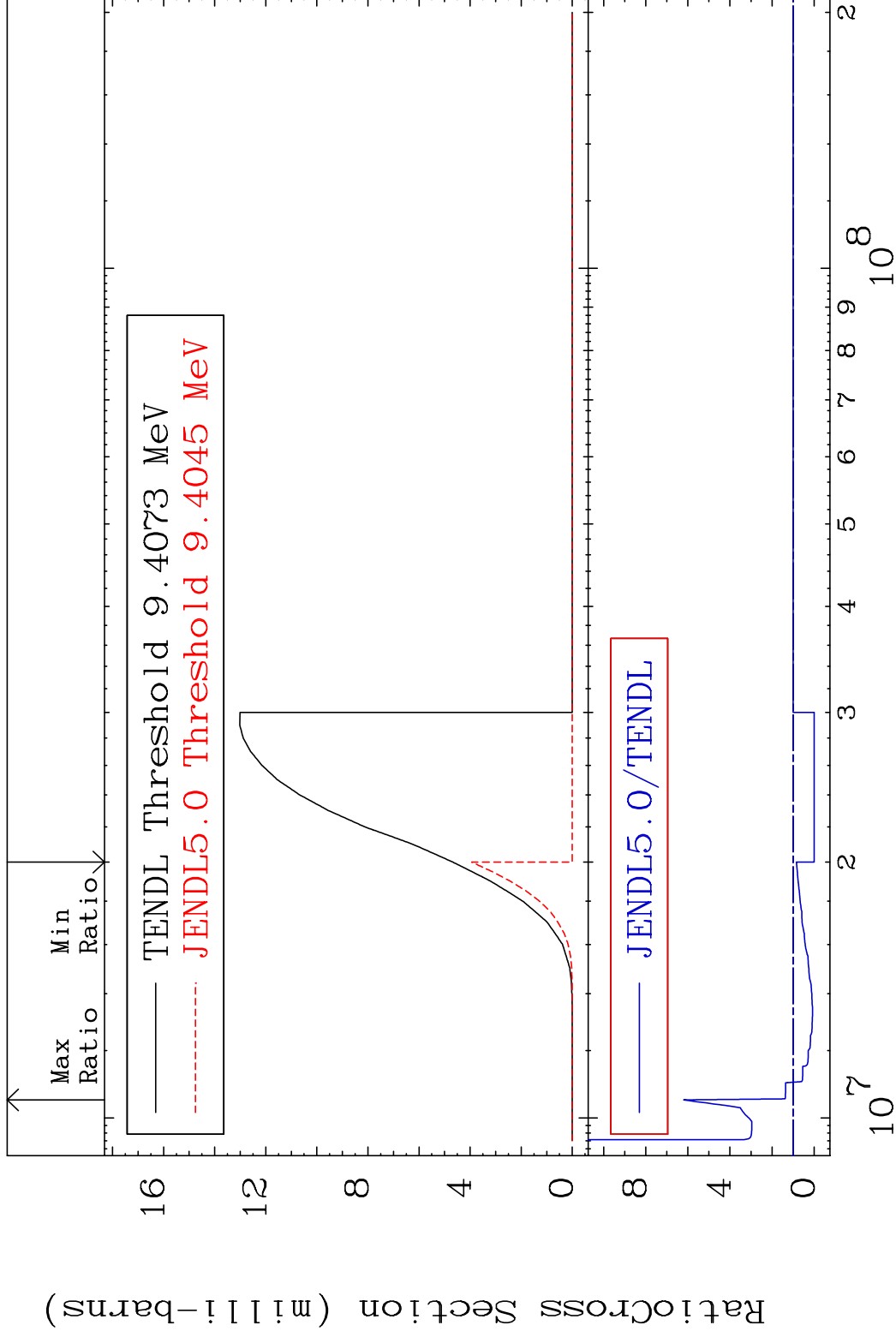
38-Sr-90

MAT 3843

(n,d)

38-Sr-90

Cross Section -100.0 To 520.0 %



39

Incident Energy (eV)

38-Sr-90

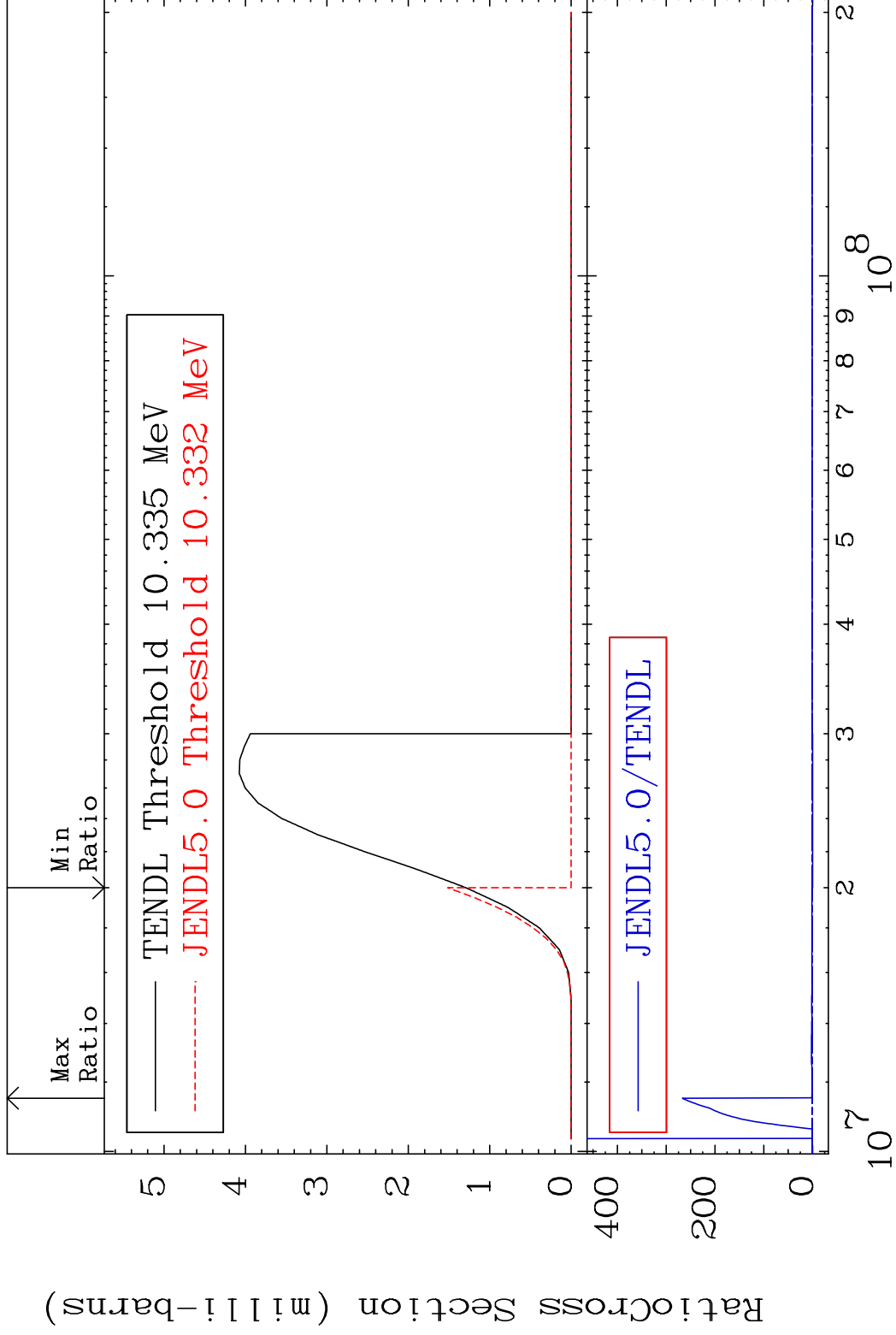


MAT 3843

(n, t)

38-Sr-90

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

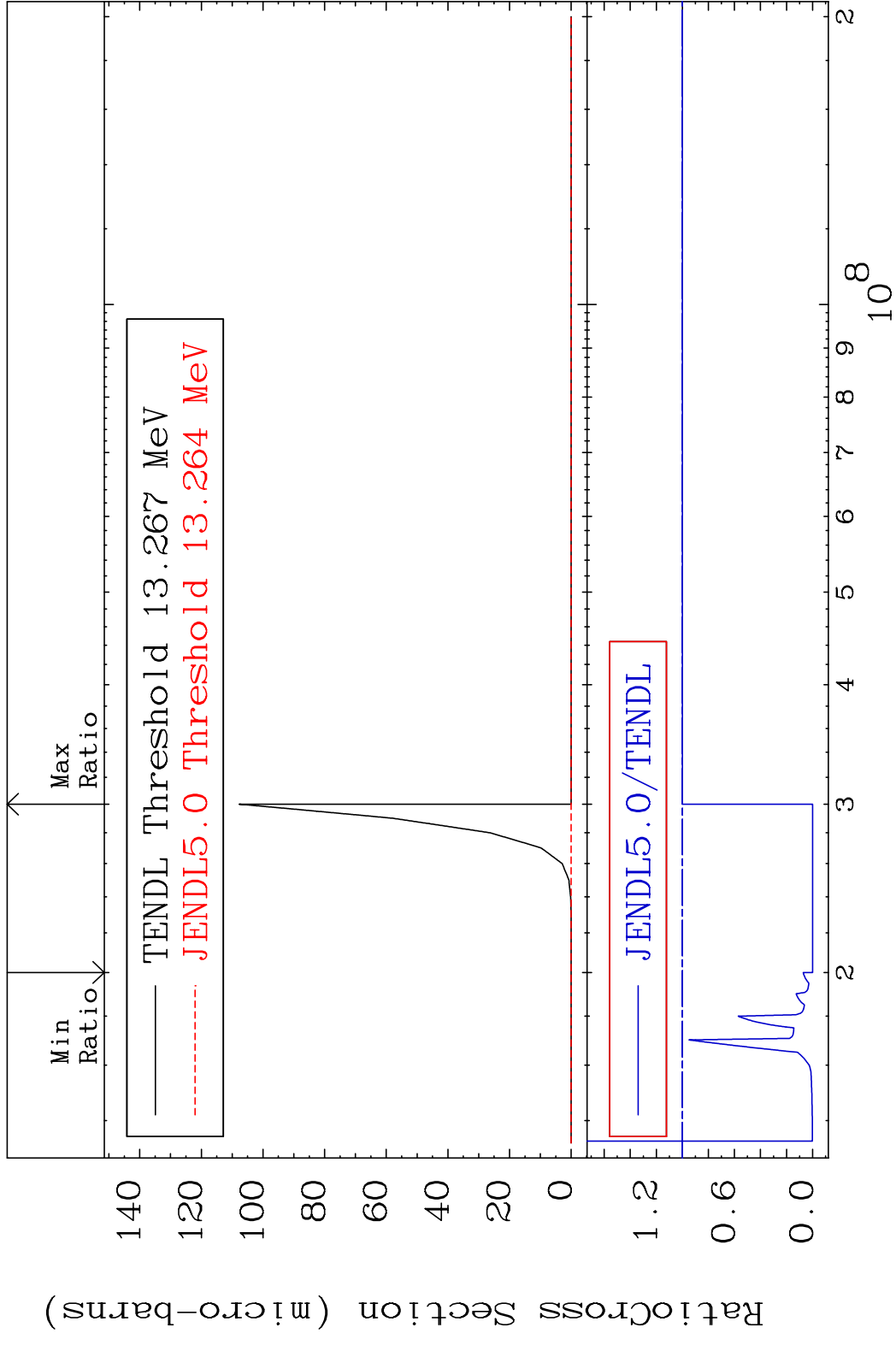
38-Sr-90

MAT 3843

(n, He-3)

38-Sr-90

Cross Section -100.0 To 0.000 %

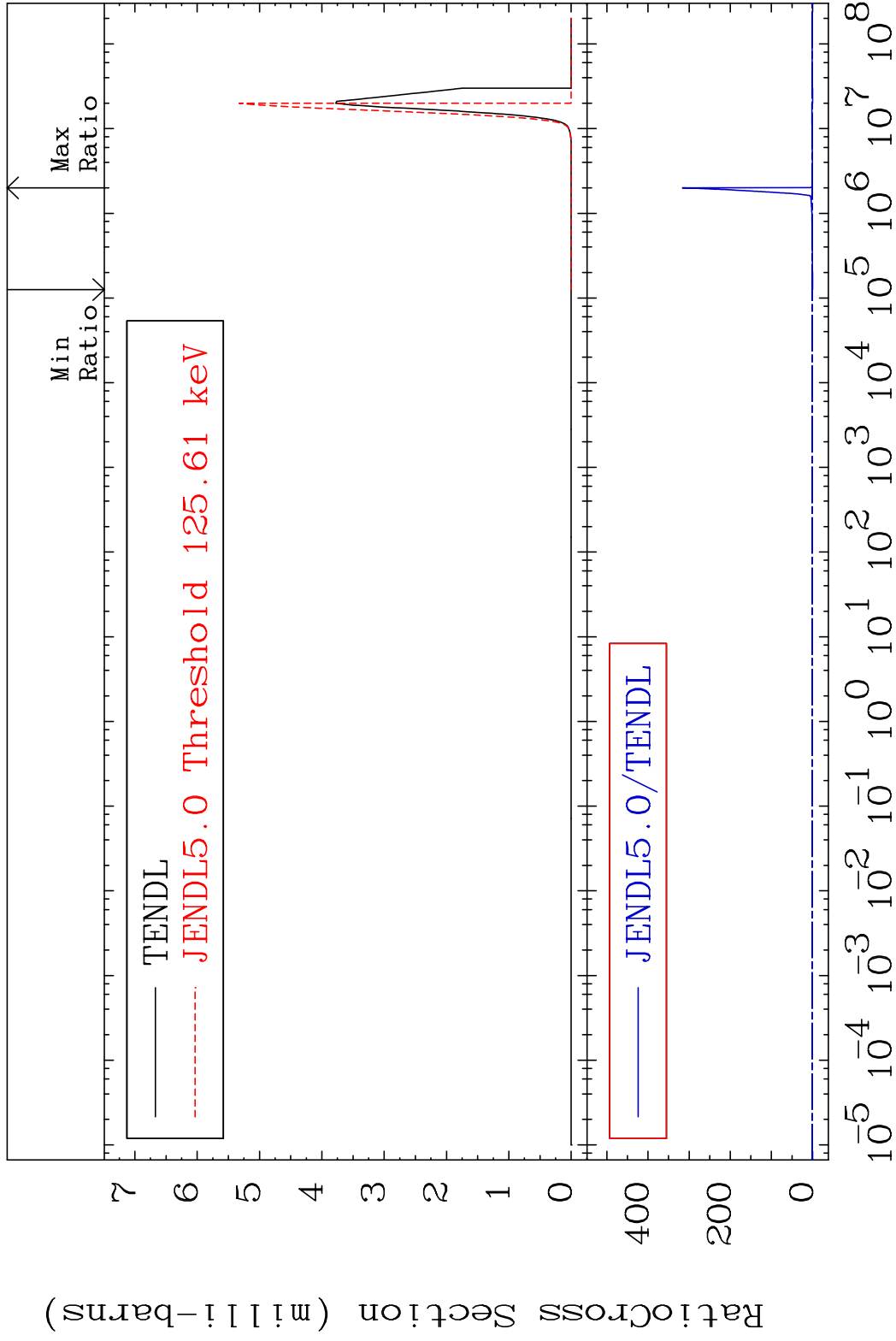


MAT 3843

(n,  $\alpha$ )

38-Sr-90

Cross Section -100.0 To 9999. %



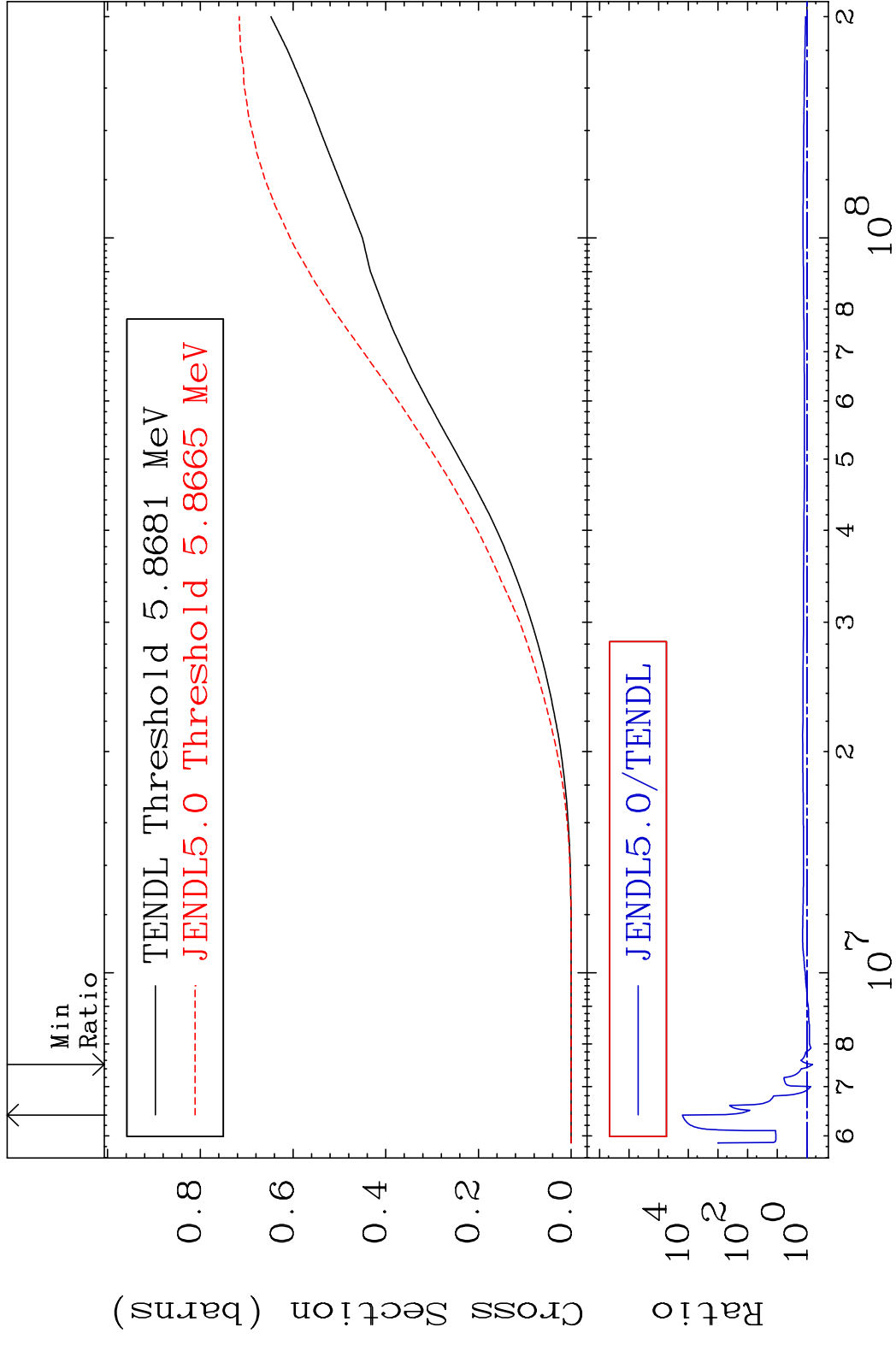
42

Incident Energy (eV)

38-Sr-90

MAT 3843

Hydrogen Production 38-Sr-90  
Cross Section -35.71 To 9999. %

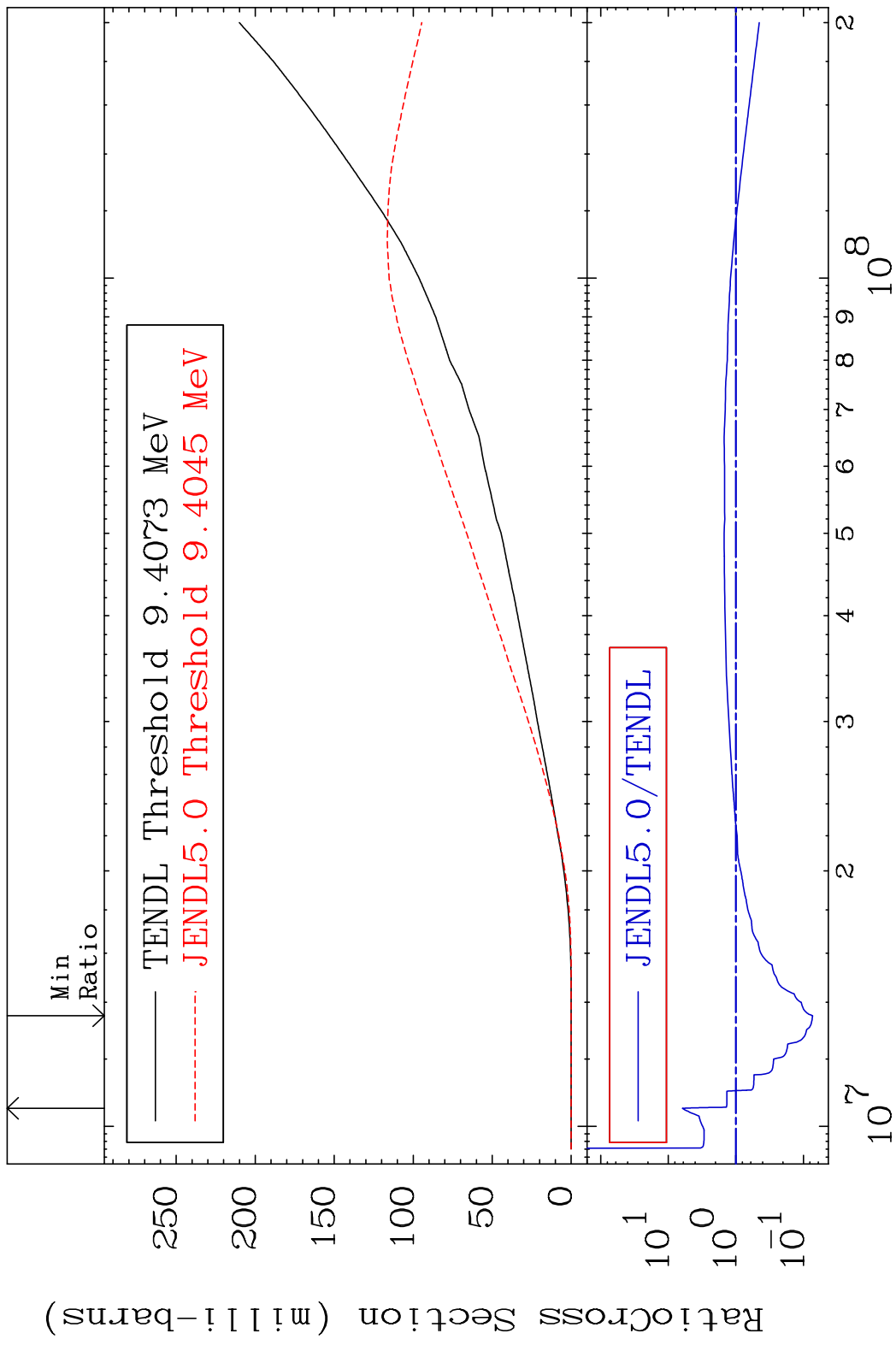


43

Incident Energy (eV)

38-Sr-90

MAT 3843 Deuterium Production 38-Sr-90  
 Cross Section -92.68 To 520.0 %

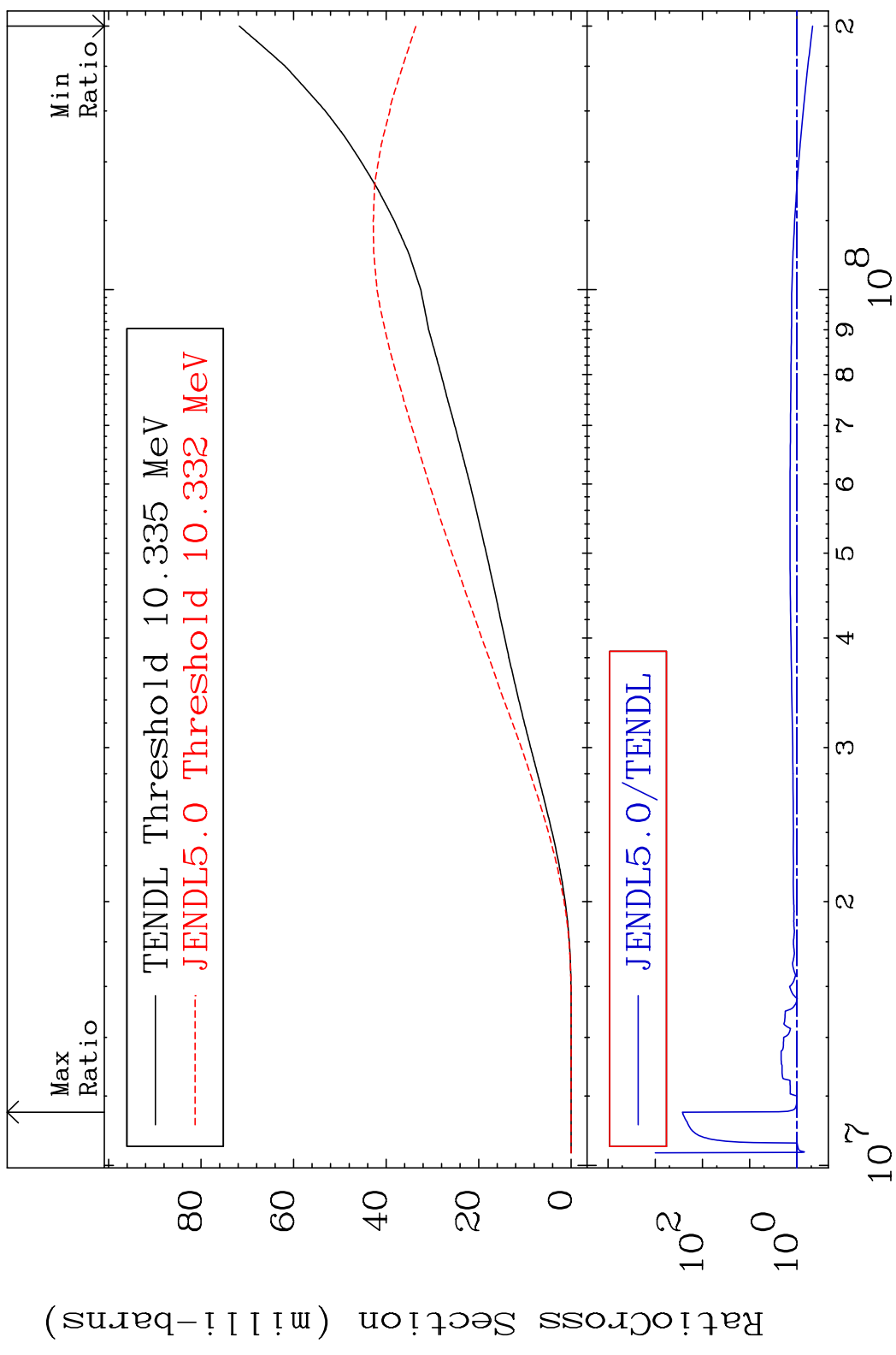


MAT 3843

Tritium Production

38-Sr-90

Cross Section -53.20 To 9999. %



45

Incident Energy (eV)

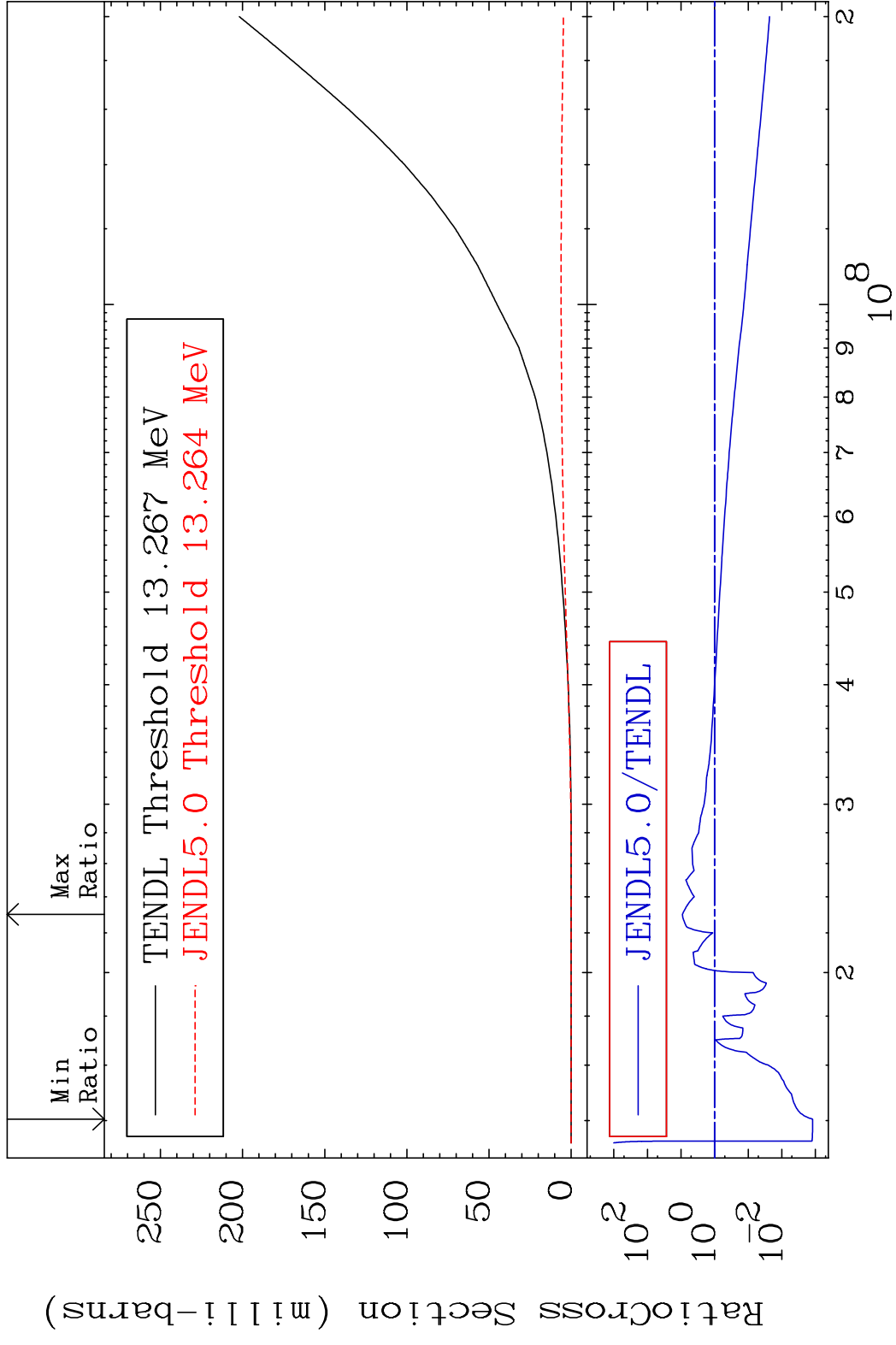
38-Sr-90

MAT 3843

He-3 Production

38-Sr-90

Cross Section -99.88 To 814.0 %

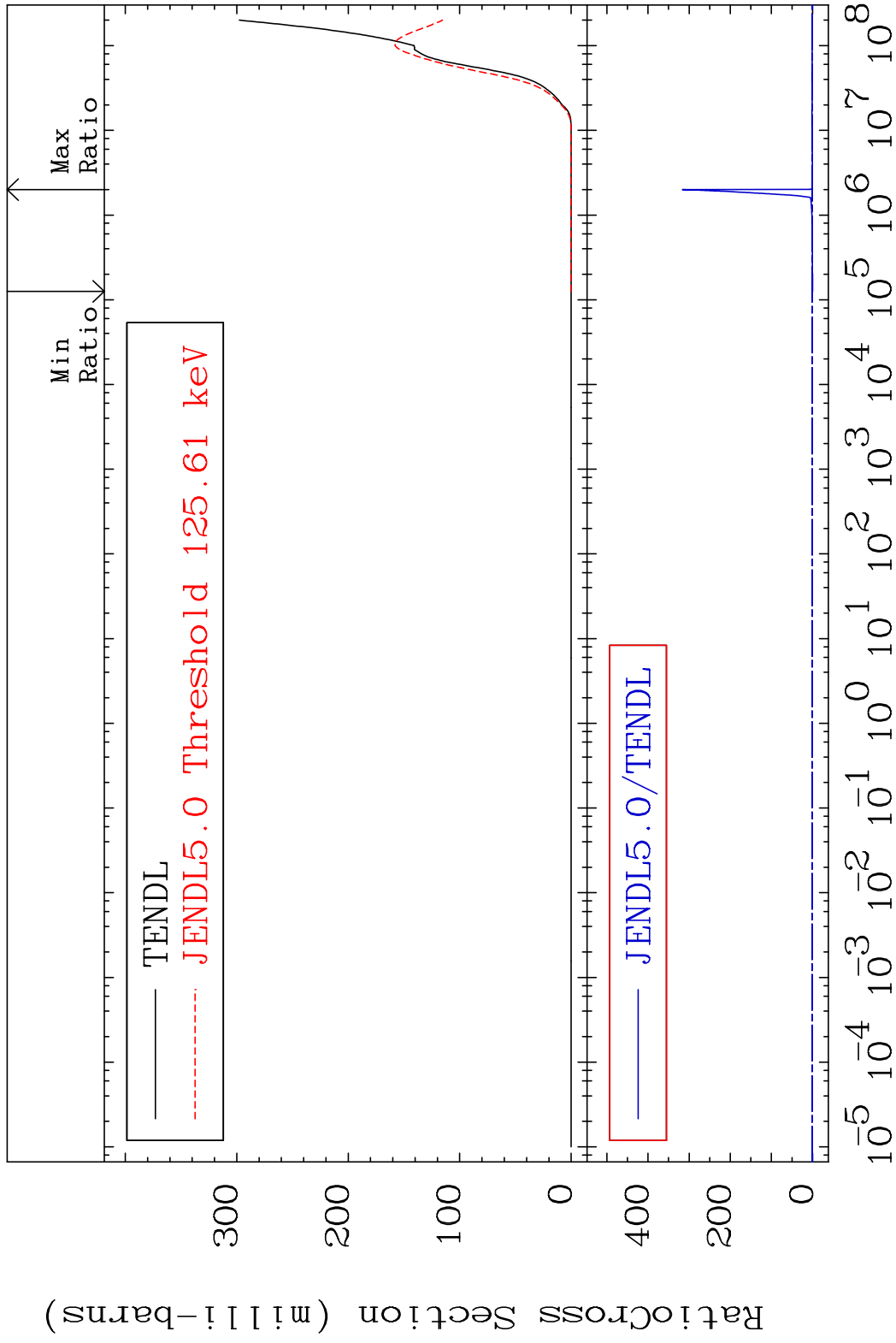


MAT 3843

He-4 Production

38-Sr-90

Cross Section -100.0 To 9999. %



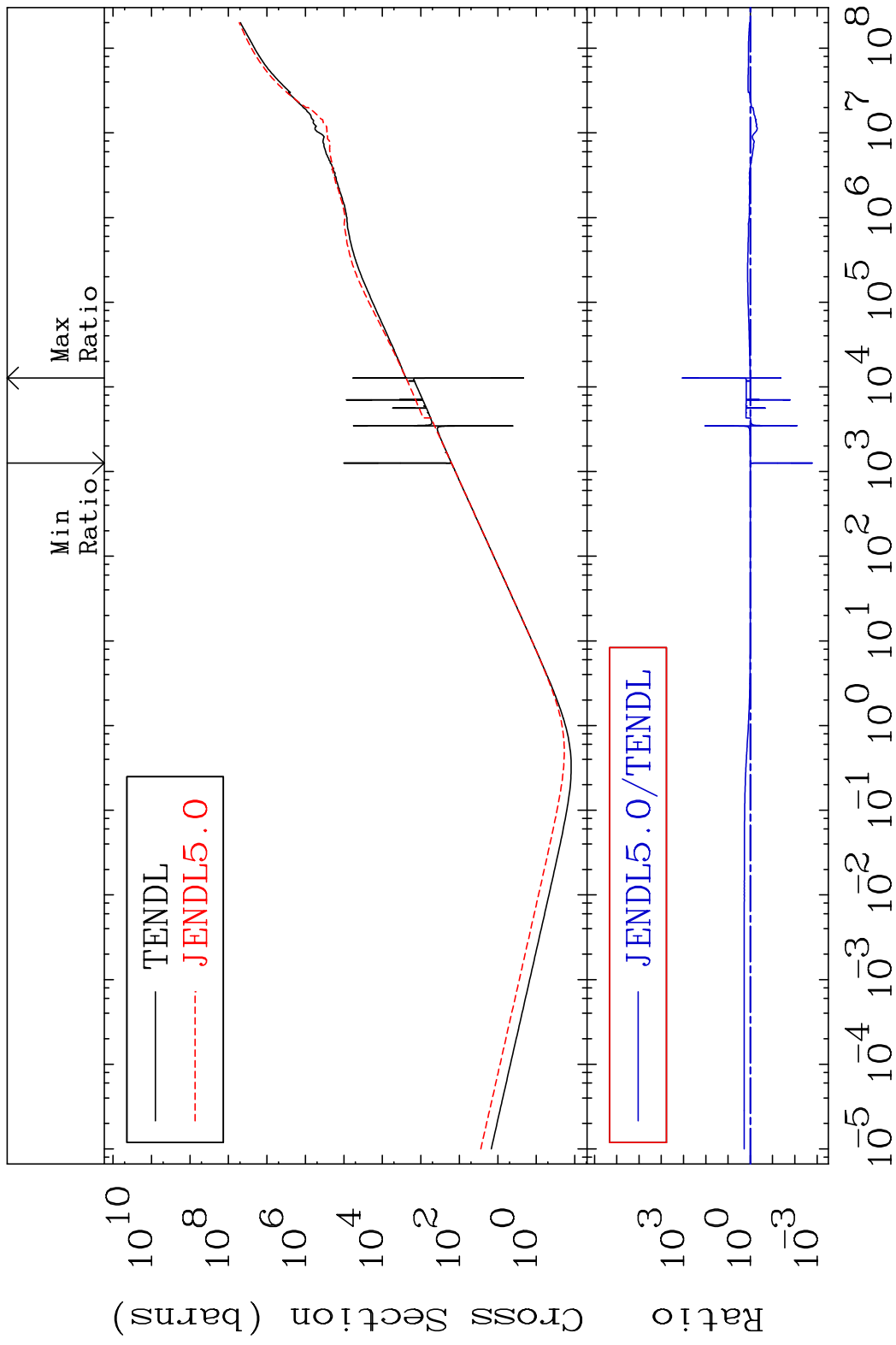
47

Incident Energy (eV)

38-Sr-90



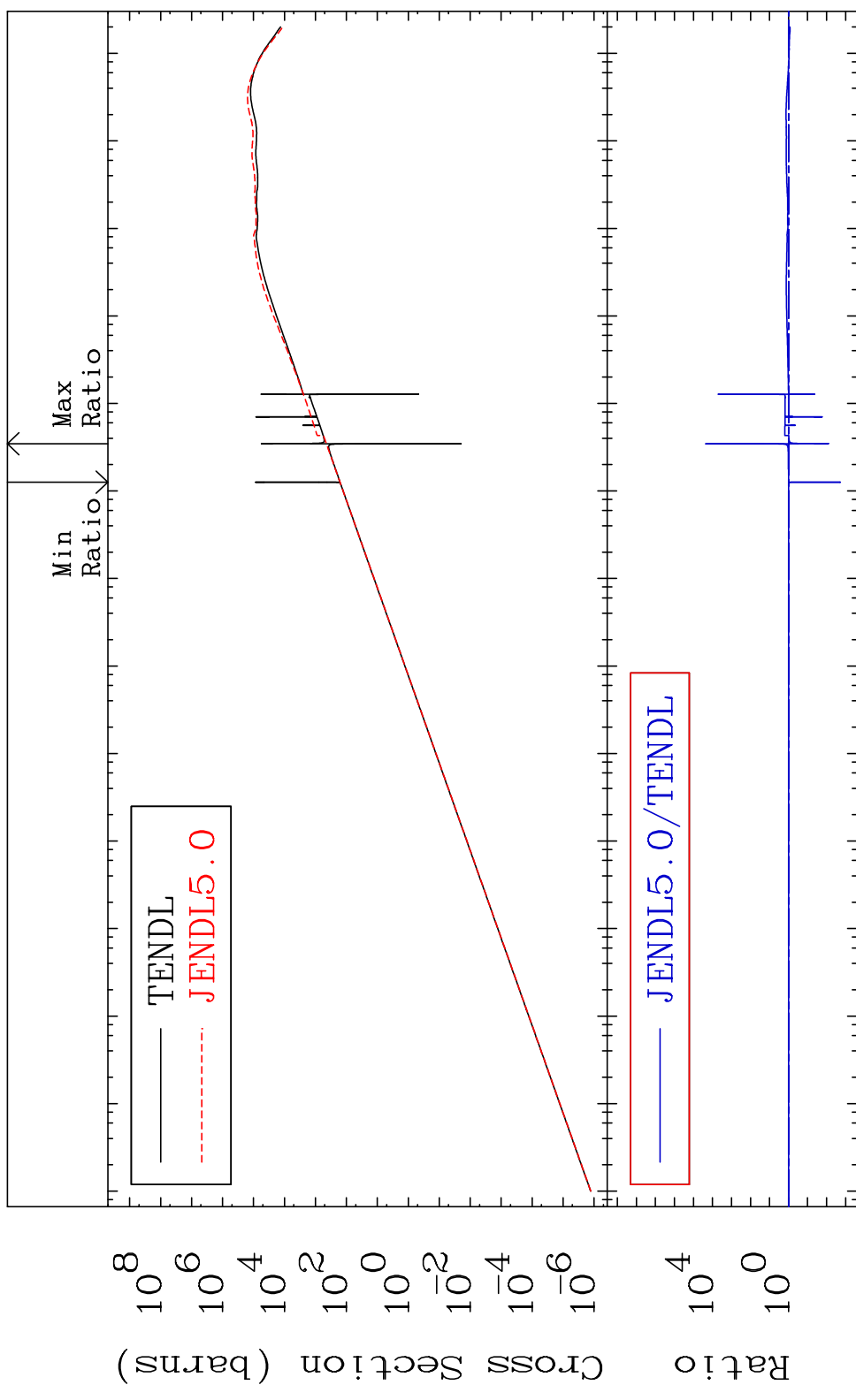
MAT 3843 Kerma total (eV-barns) 38-Sr-90  
 Cross Section -99.84 To 9999. %



48 Incident Energy (eV) 38-Sr-90

MAT 3843

Kerma elastic Cross Section -99.81 To 9999. %  
38-Sr-90

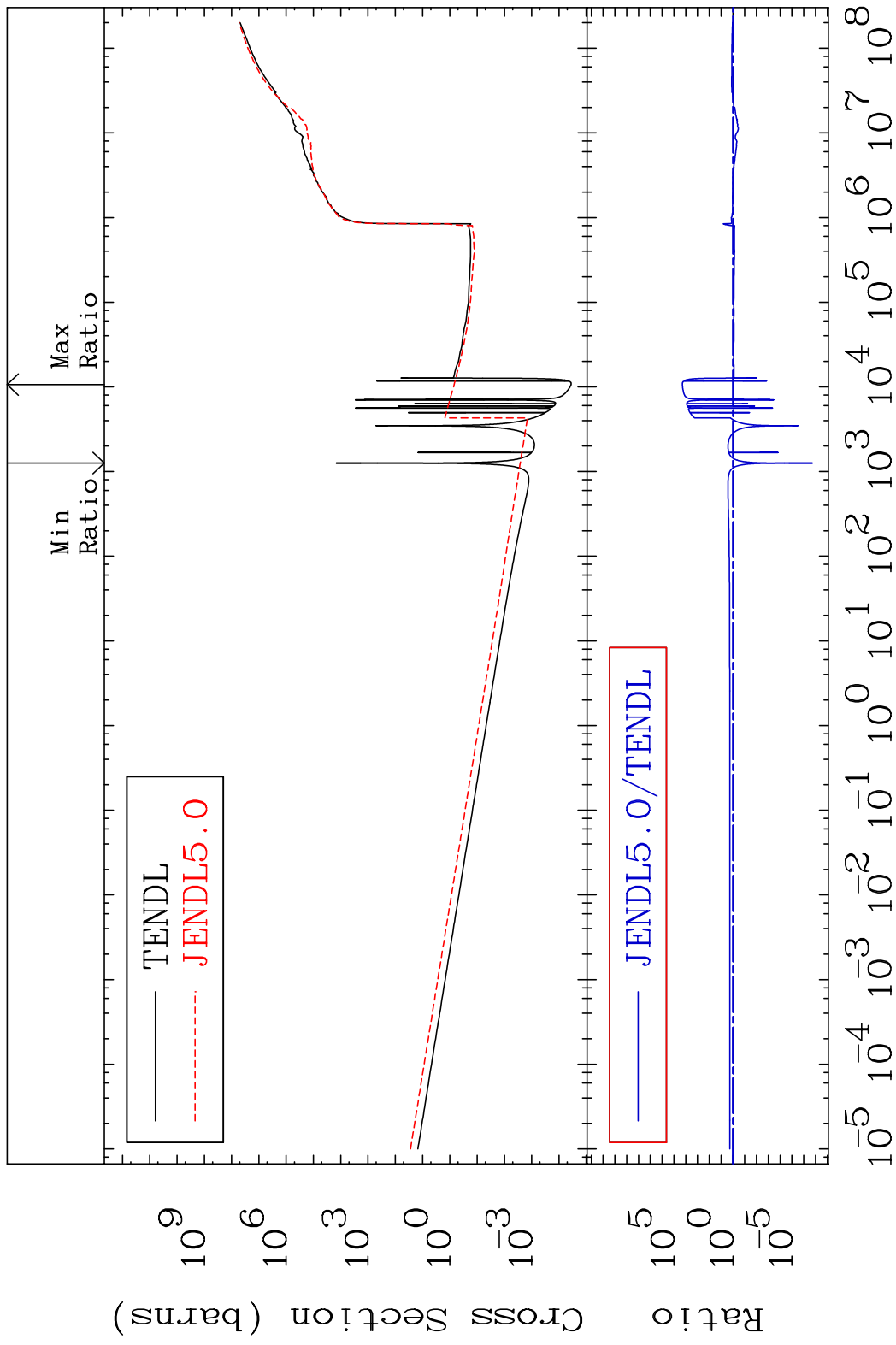


49

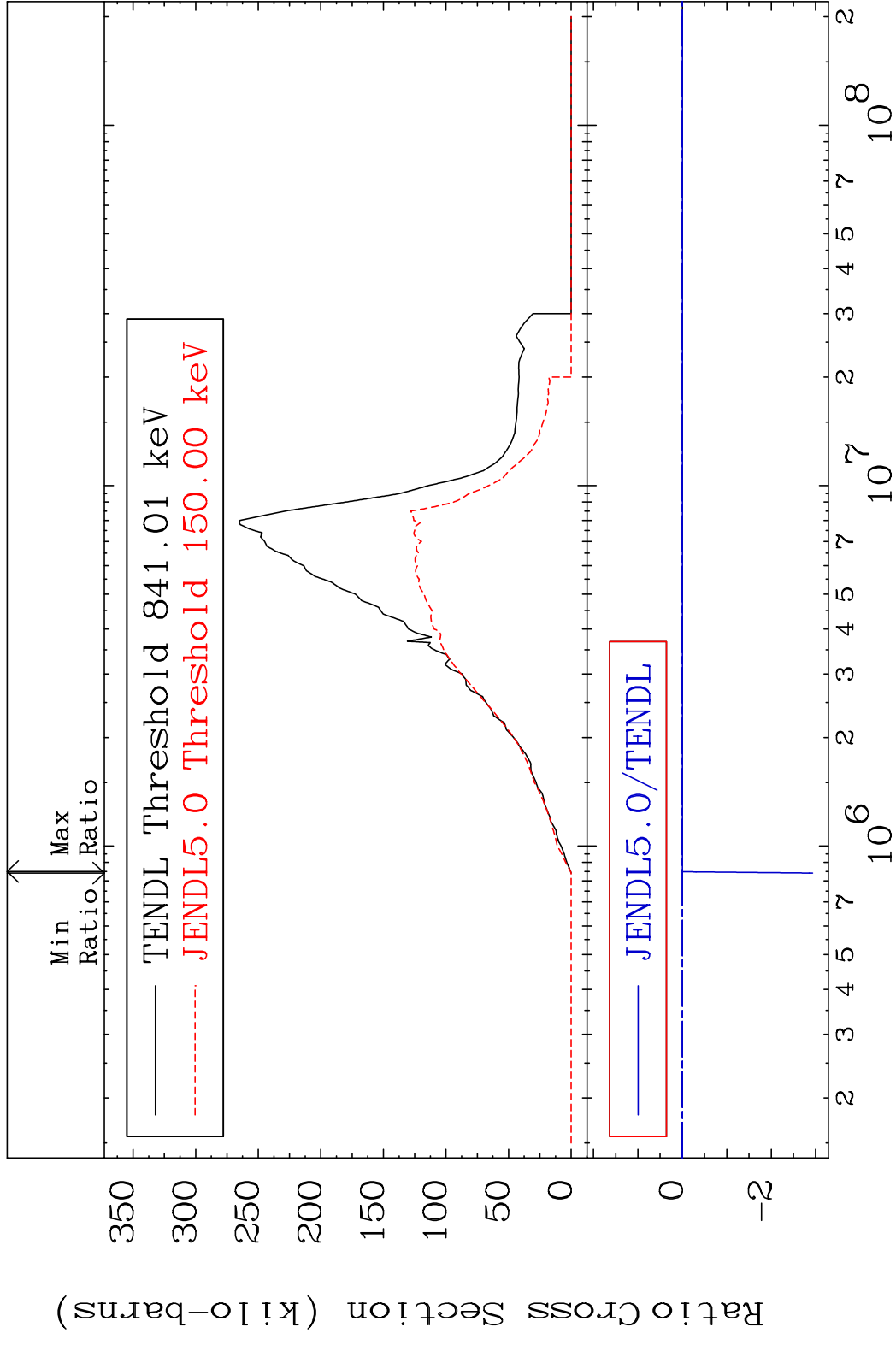
Incident Energy (eV)

38-Sr-90

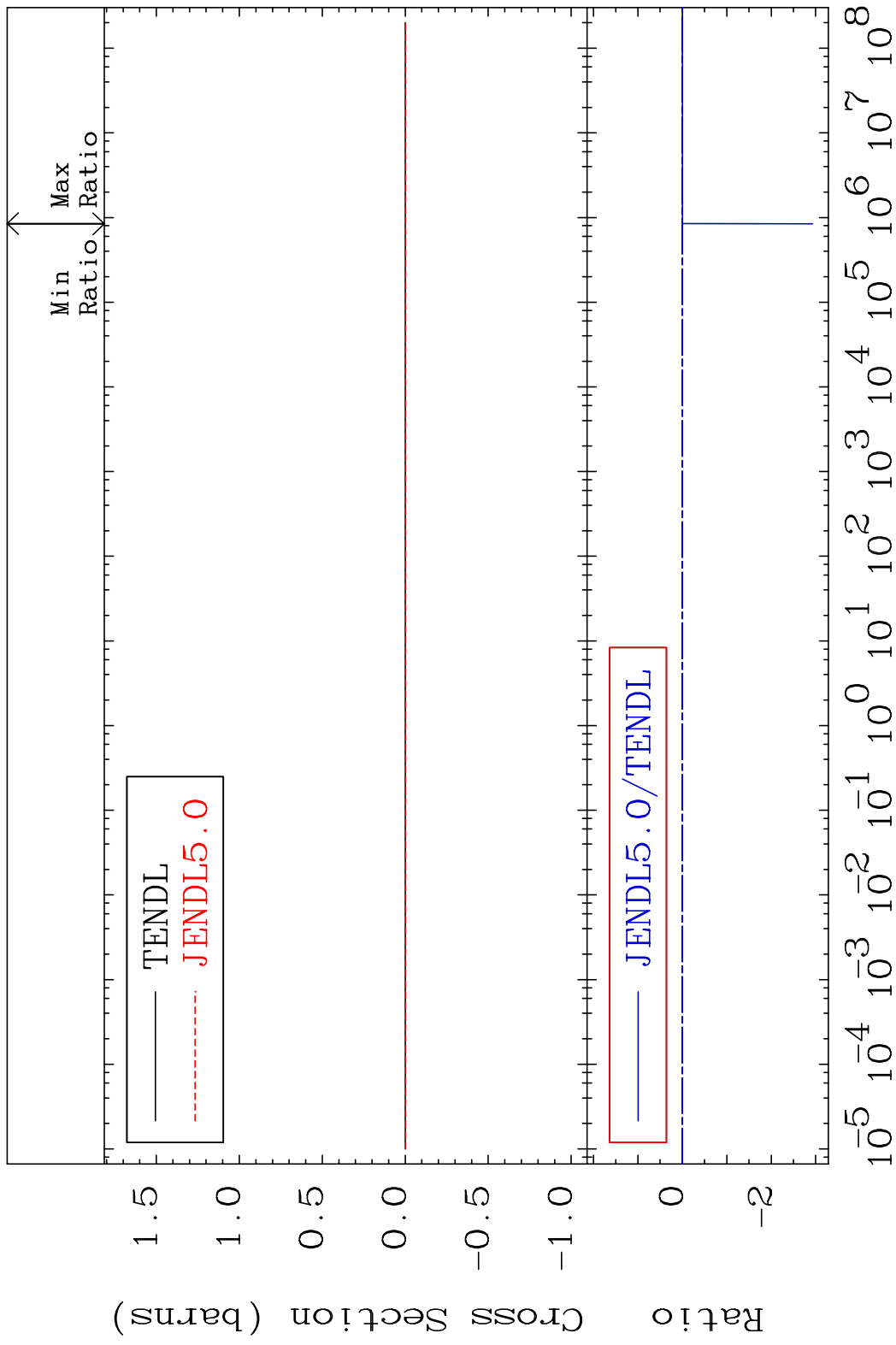
MAT 3843 Kerma non-elastic (all but mt2) 38-Sr-90  
 Cross Section -100.0 To 9999. %



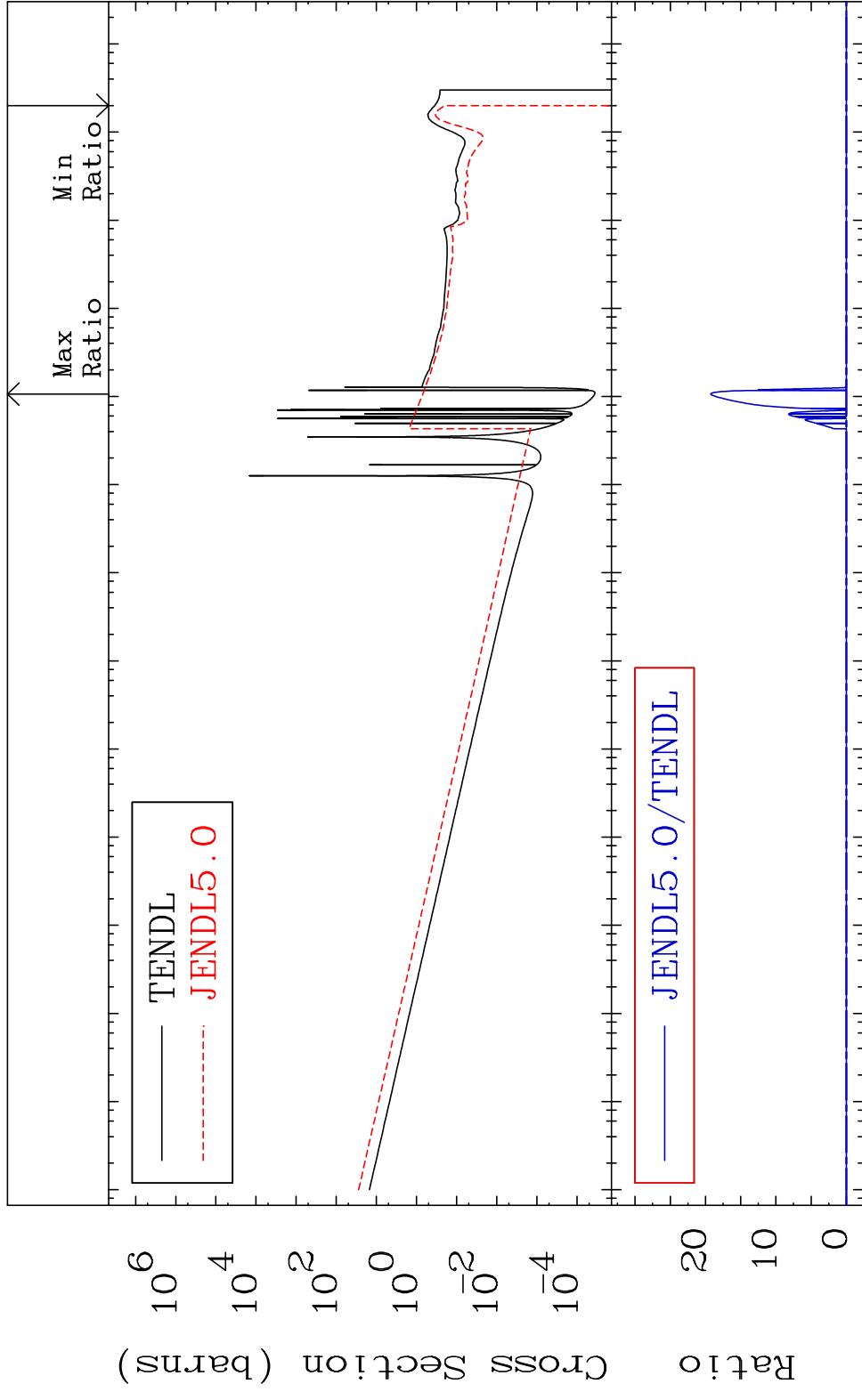
MAT 3843 Kerma inelastic (mt51-91) 38-Sr-90  
 Cross Section -9999. To 53.68 %



MAT 3843 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-90  
 Cross Section -9999. To 53.68 %

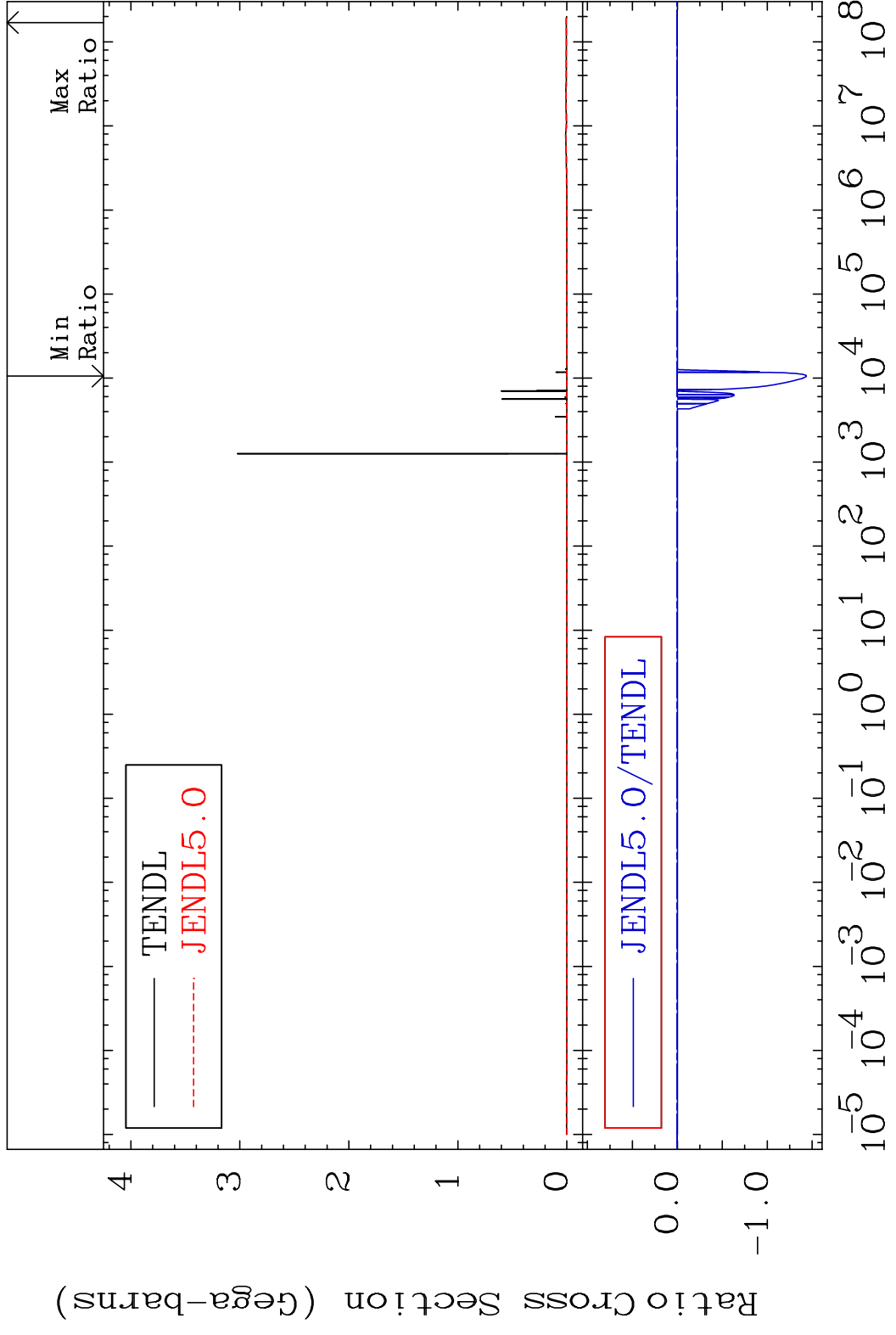


MAT 3843 Kerma capture (mt102) 38-Sr-90  
 Cross Section -100.0 To 9999. %

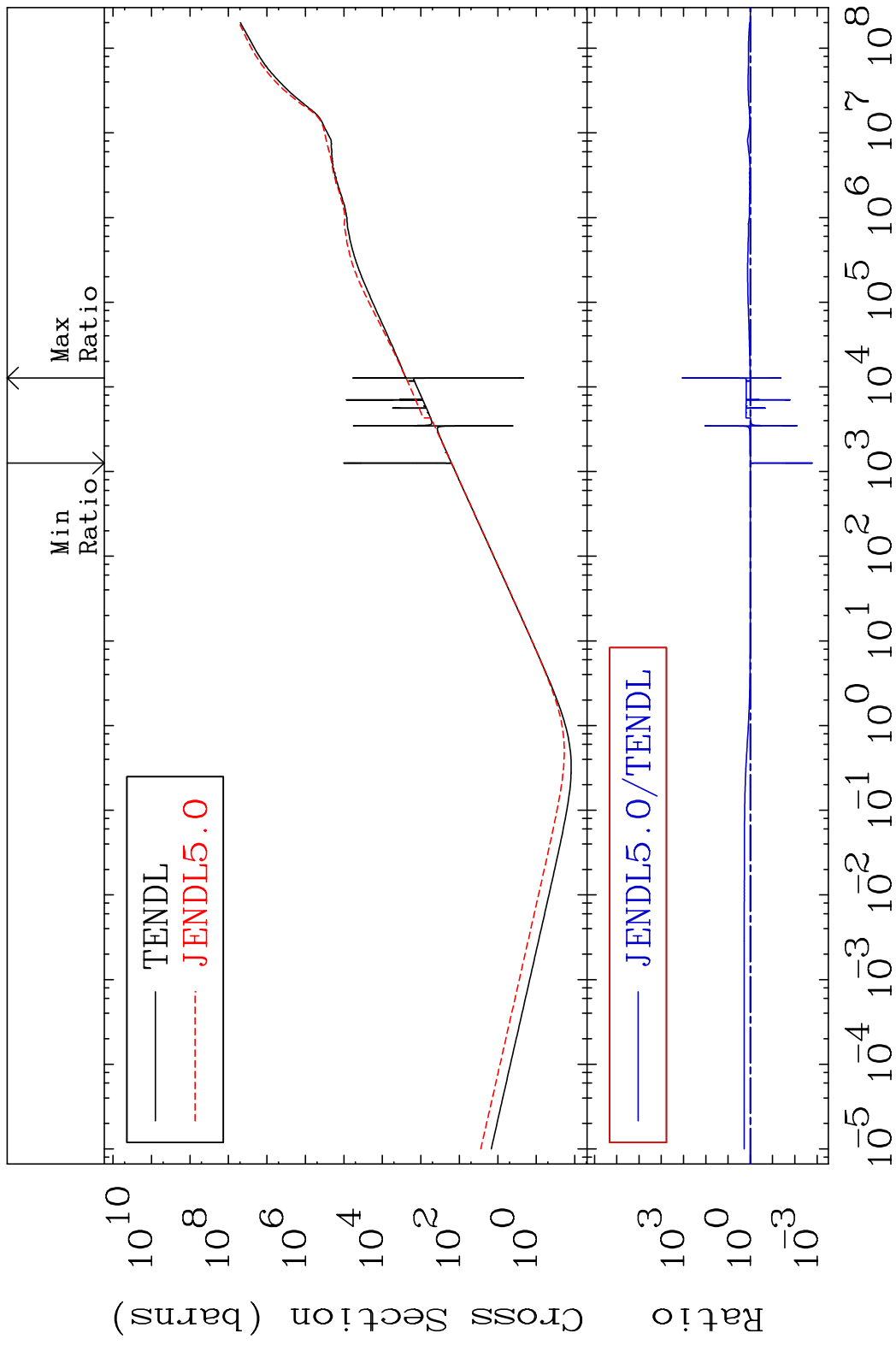


53 Incident Energy (eV) 38-Sr-90

MAT 3843 Total photon (eV-barns) 38-Sr-90  
 Cross Section -9999. To 67.23 %



MAT 3843 Total kinematic kerma (high limit) 38-Sr-90  
 Cross Section -99.84 To 9999. %



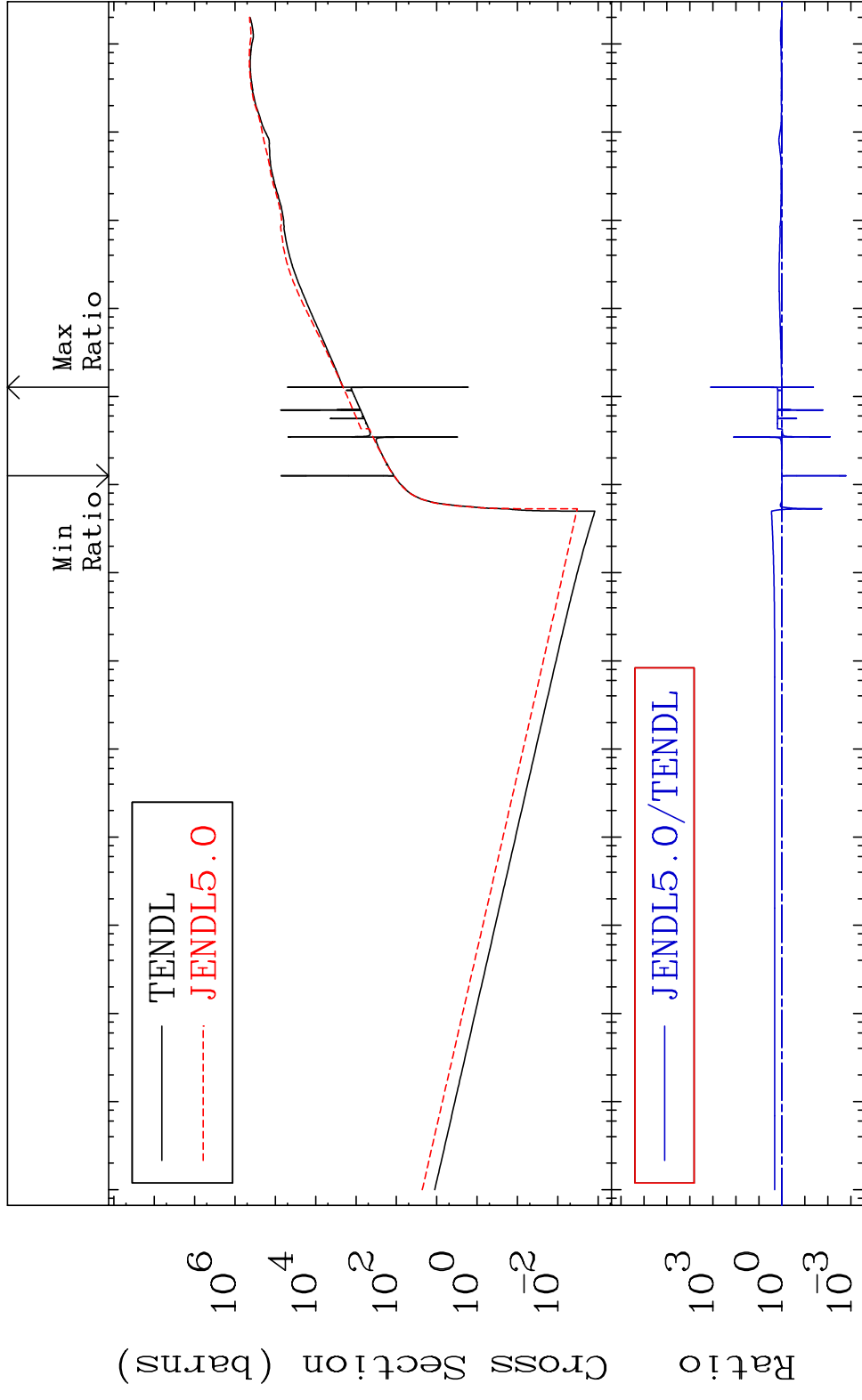


MAT 3843

Dpa total (eV-barns)

38-Sr-90

Cross Section -99.84 To 9999. %

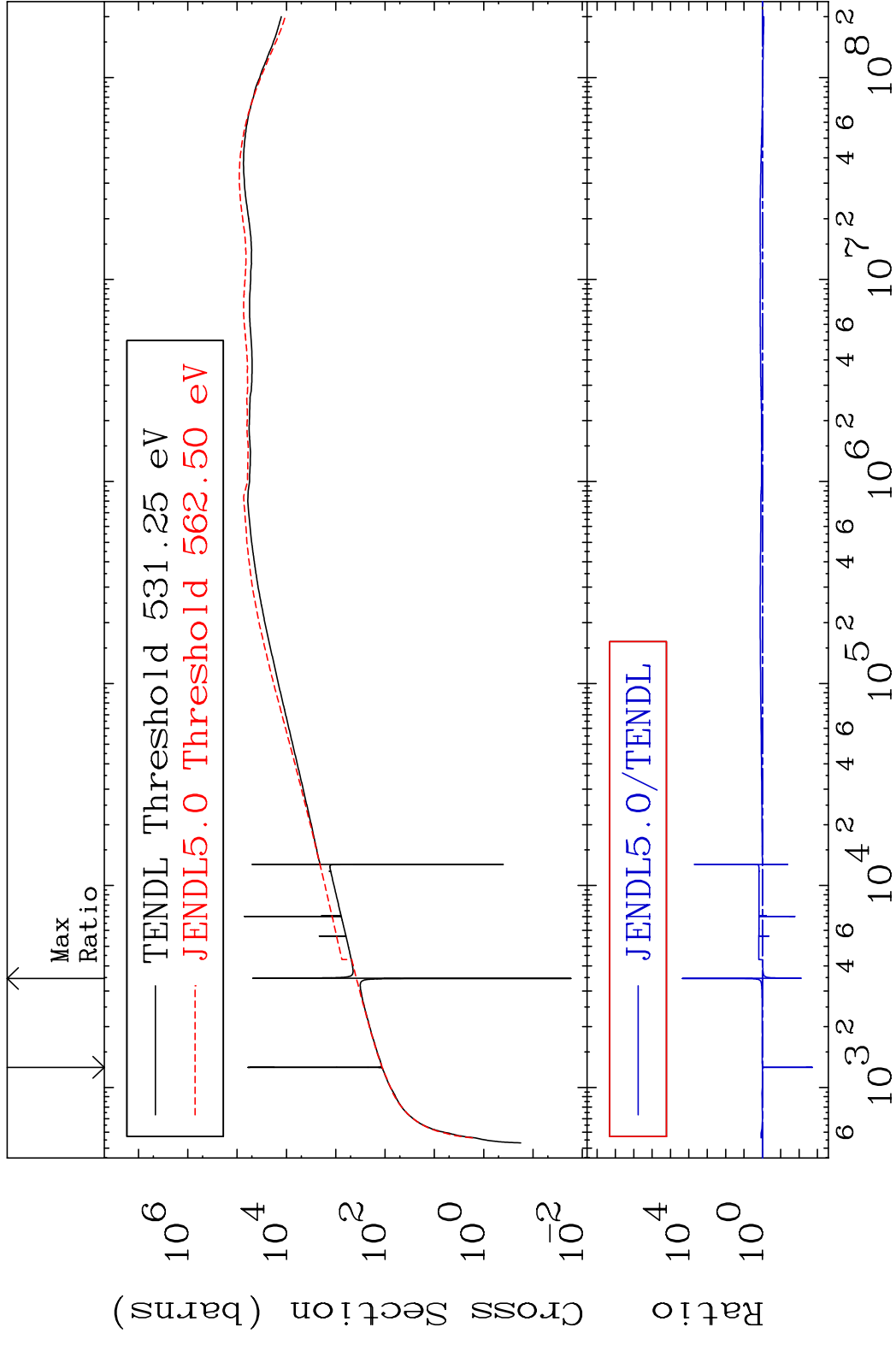


MAT 3843

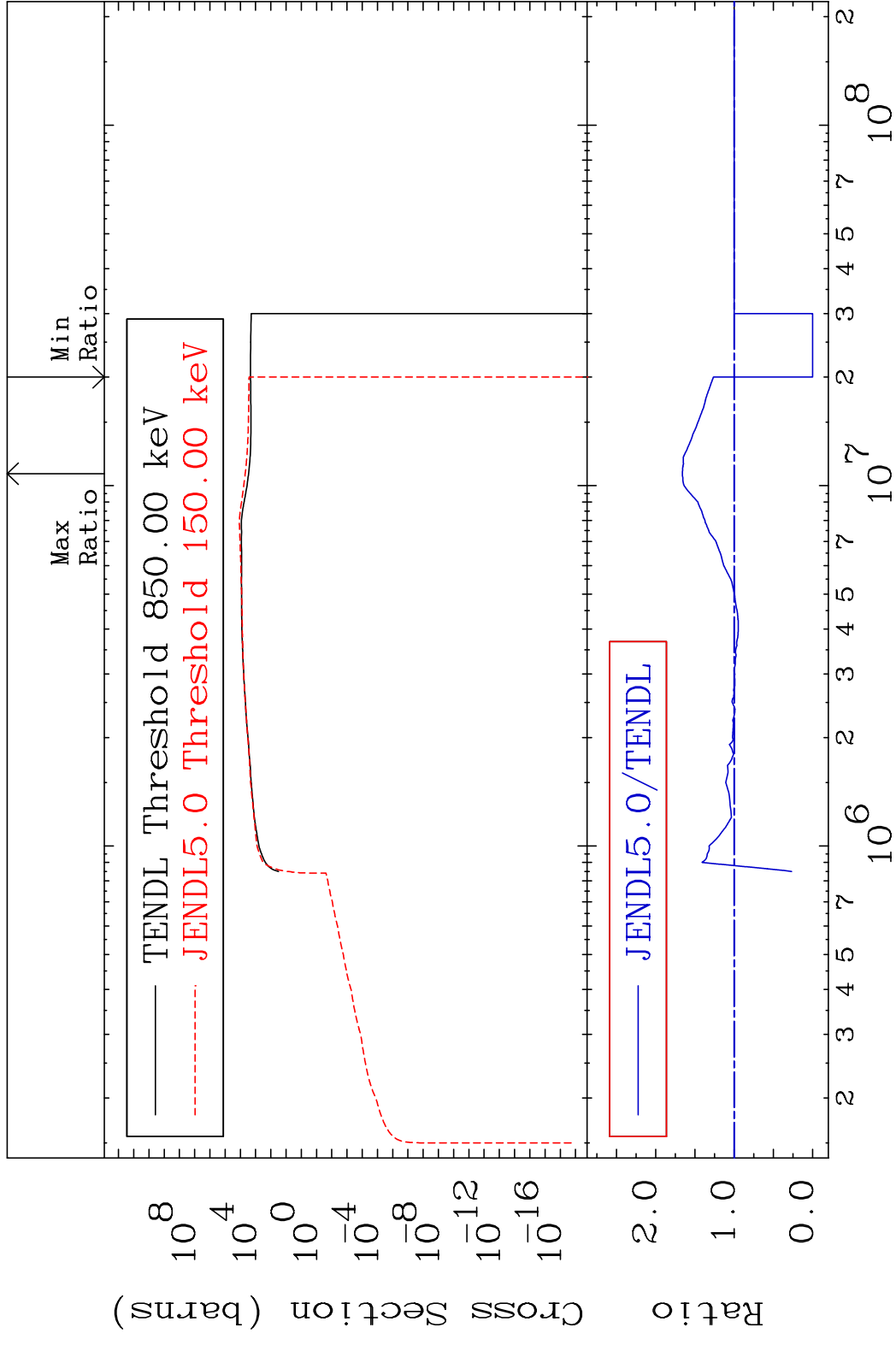
Dpa elastic (mt2)

38-Sr-90

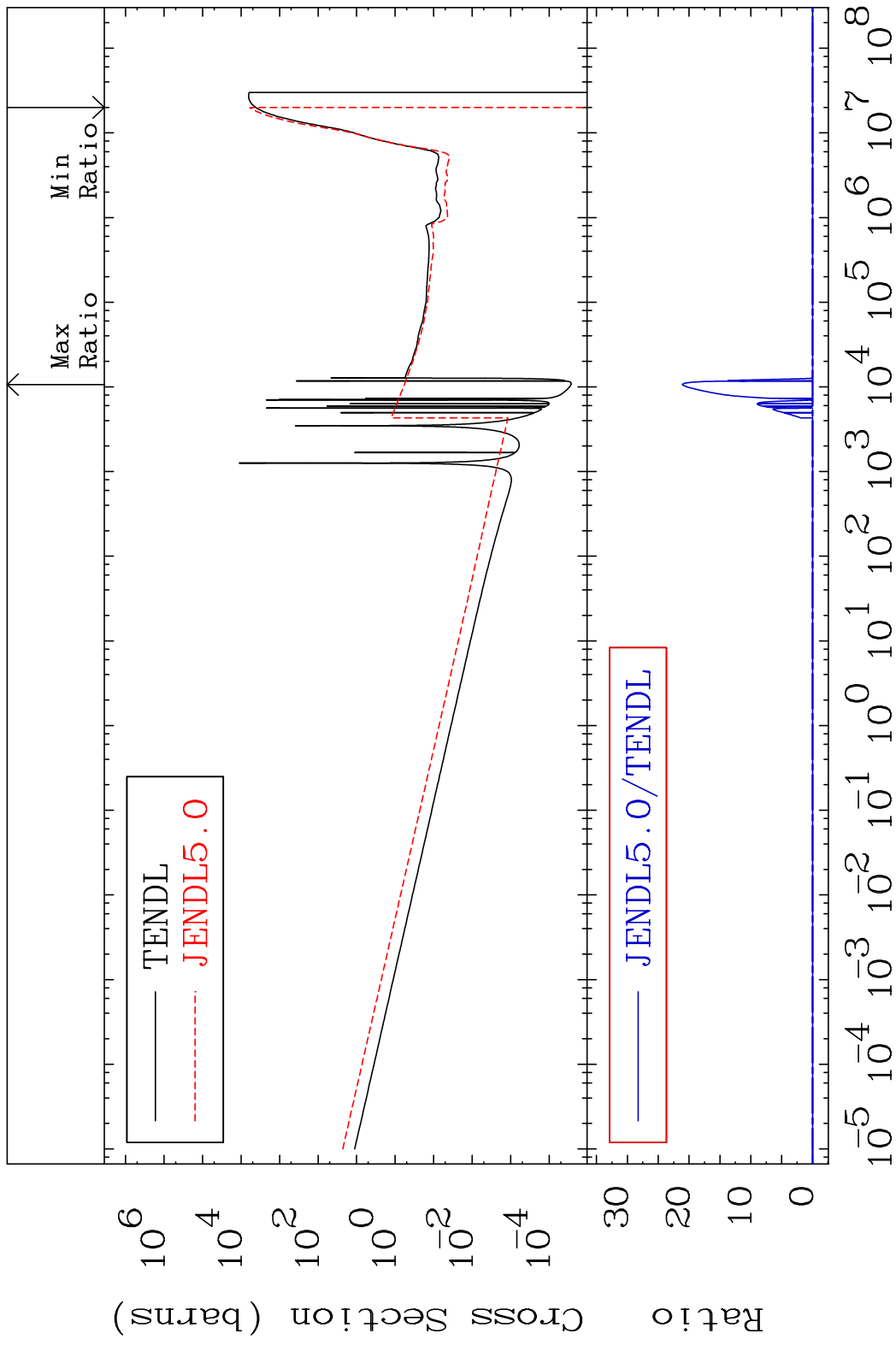
Cross Section -99.81 To 9999. %



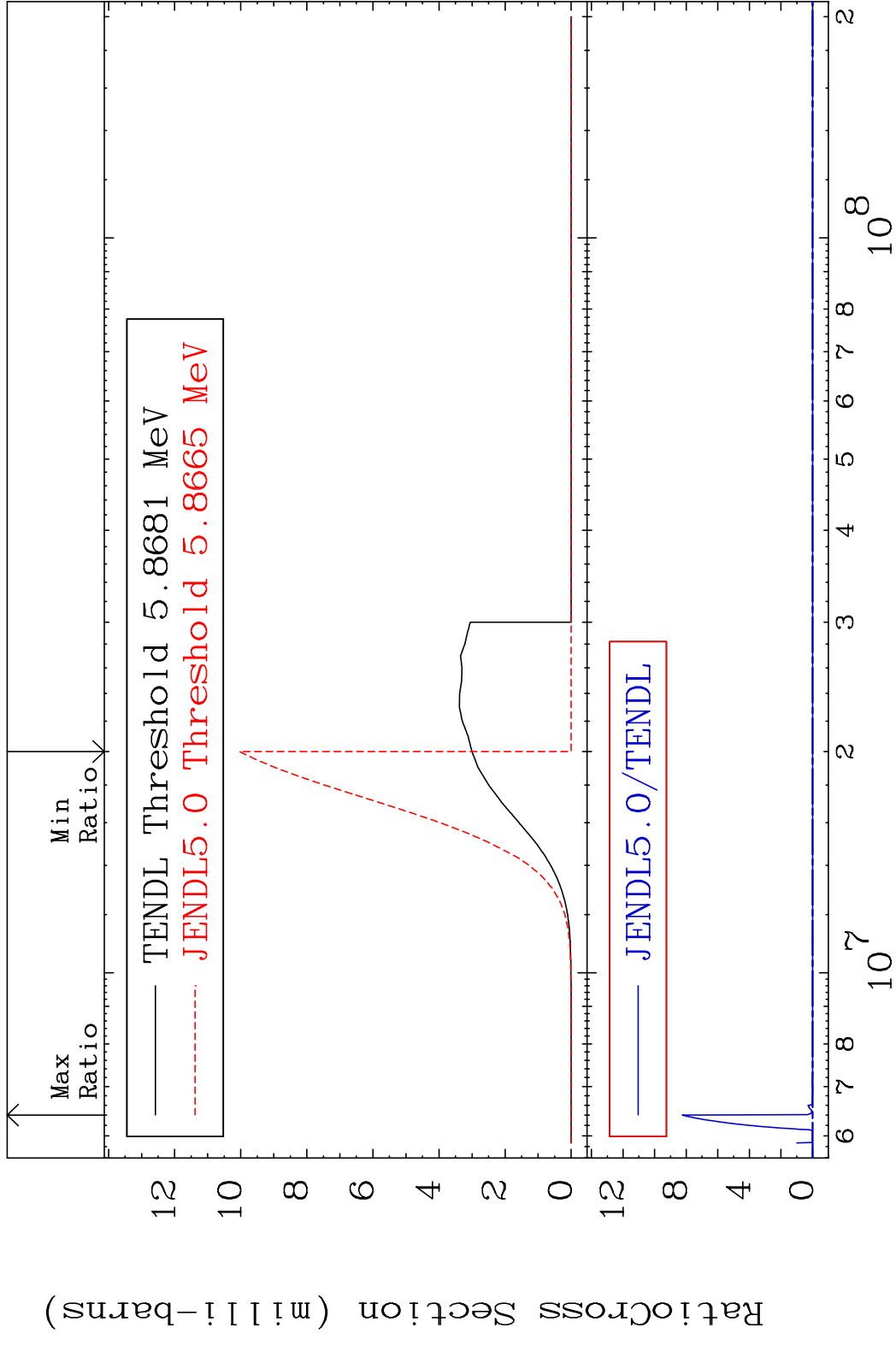
MAT 3843 Dpa inelastic (mt51-91) 38-Sr-90  
 Cross Section -100.0 To 65.96 %



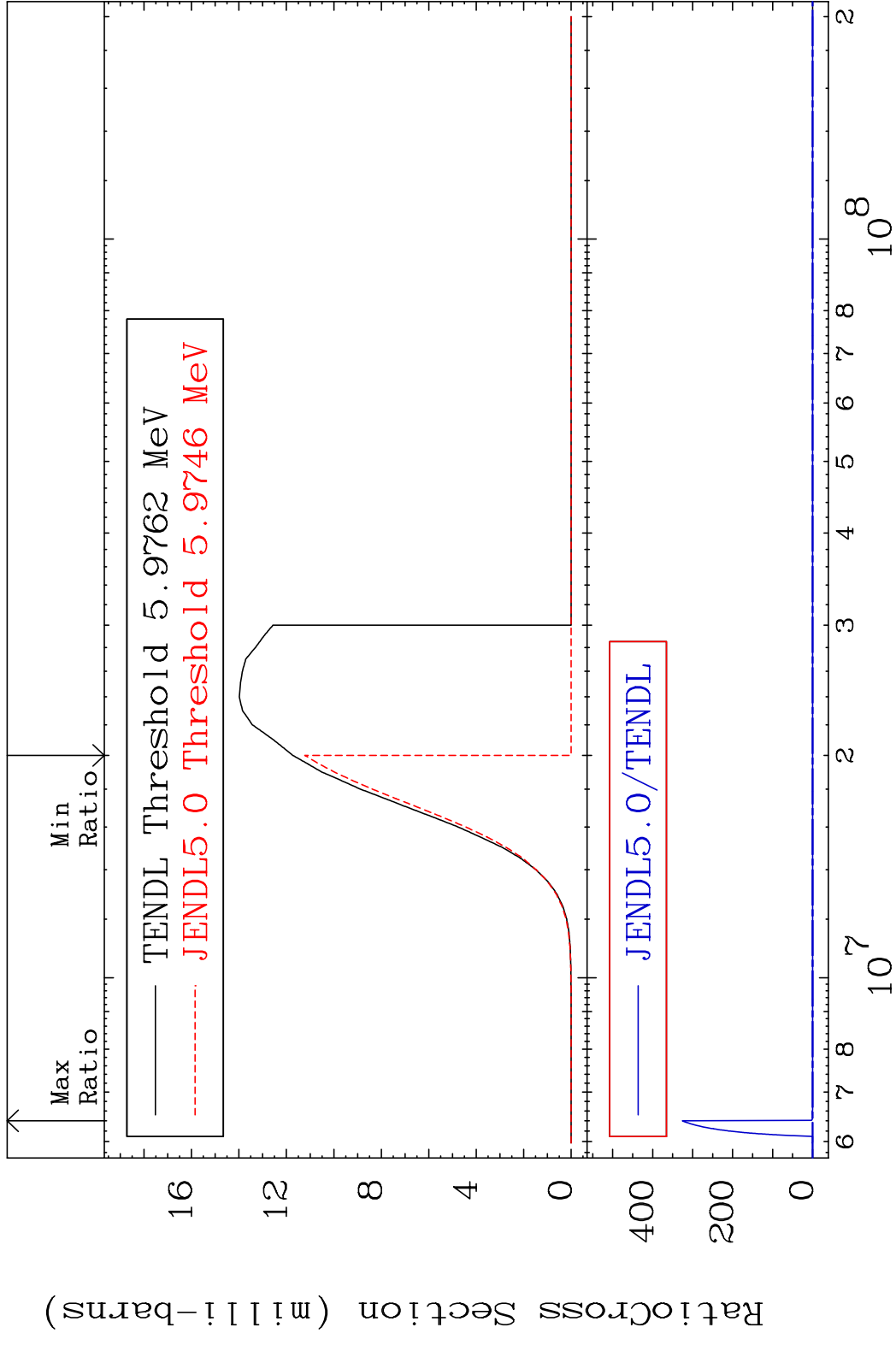
MAT 3843 Dpa disappearance (mt102 -120) 38-Sr-90  
 Cross Section -100.0 To 9999. %



MAT 3843 (n, p):37-Rb-90g 38-Sr-90  
 Radionuclide Production Cross Section Ratio



60 Incident Energy (eV) 38-Sr-90

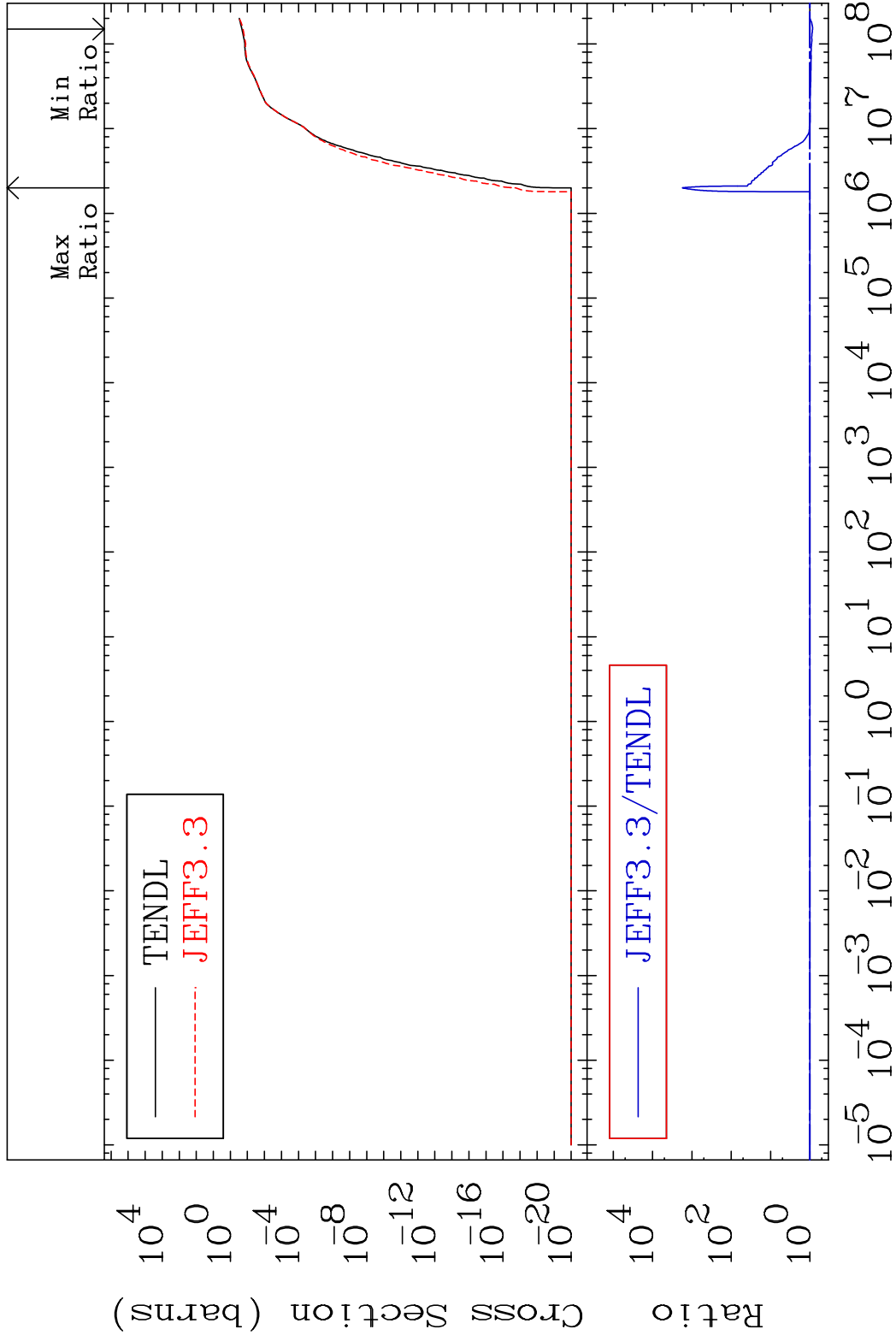


MAT 3843

He-4 Production

38-Sr-90

Cross Section -14.44 To 9999. %

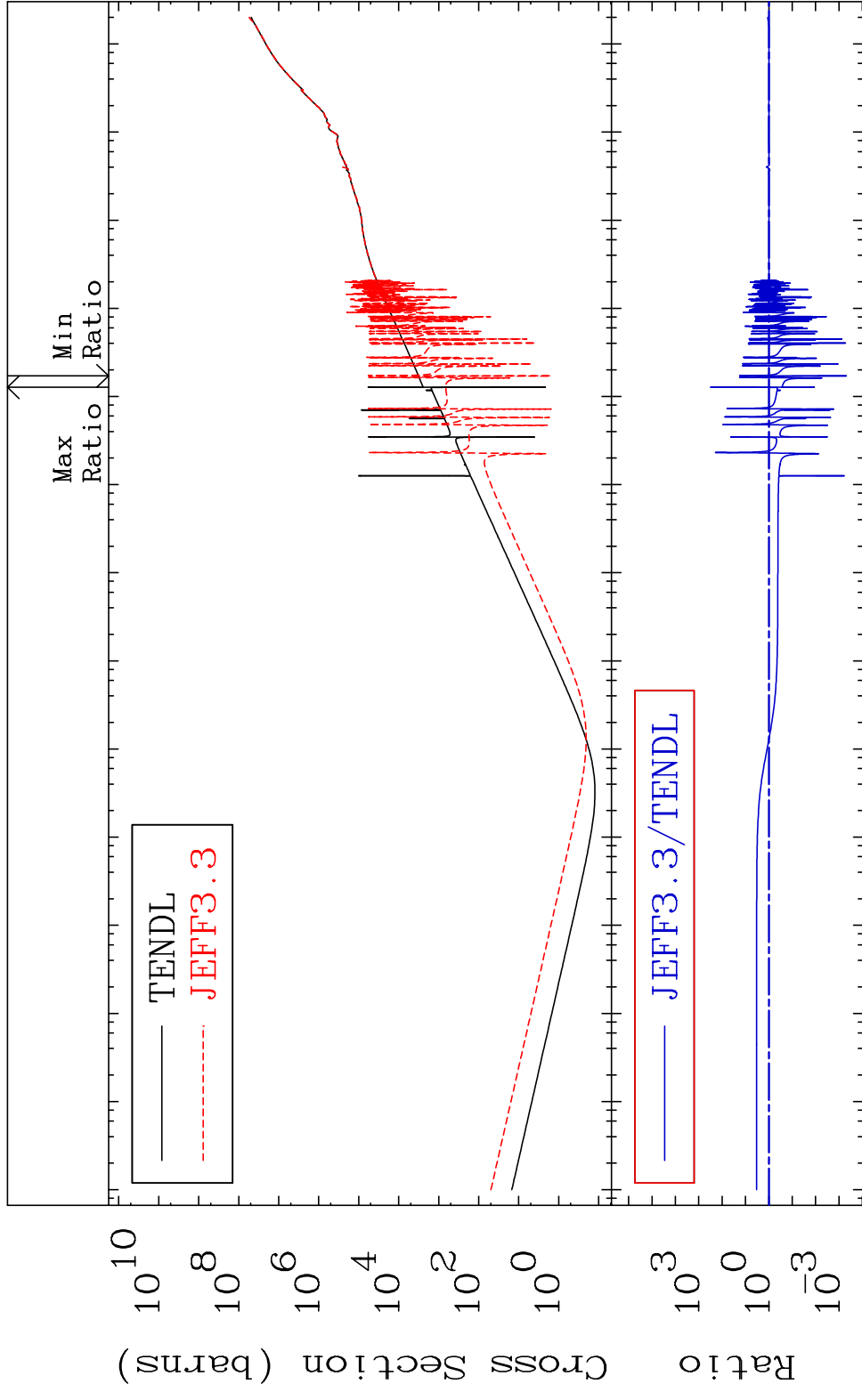


62

Incident Energy (eV)

38-Sr-90

MAT 3843 Kerma total (eV-barns) 38-Sr-90  
 Cross Section -99.95 To 9999. %



Ratio  
 10<sup>3</sup>  
 10<sup>0</sup>  
 10<sup>-3</sup>

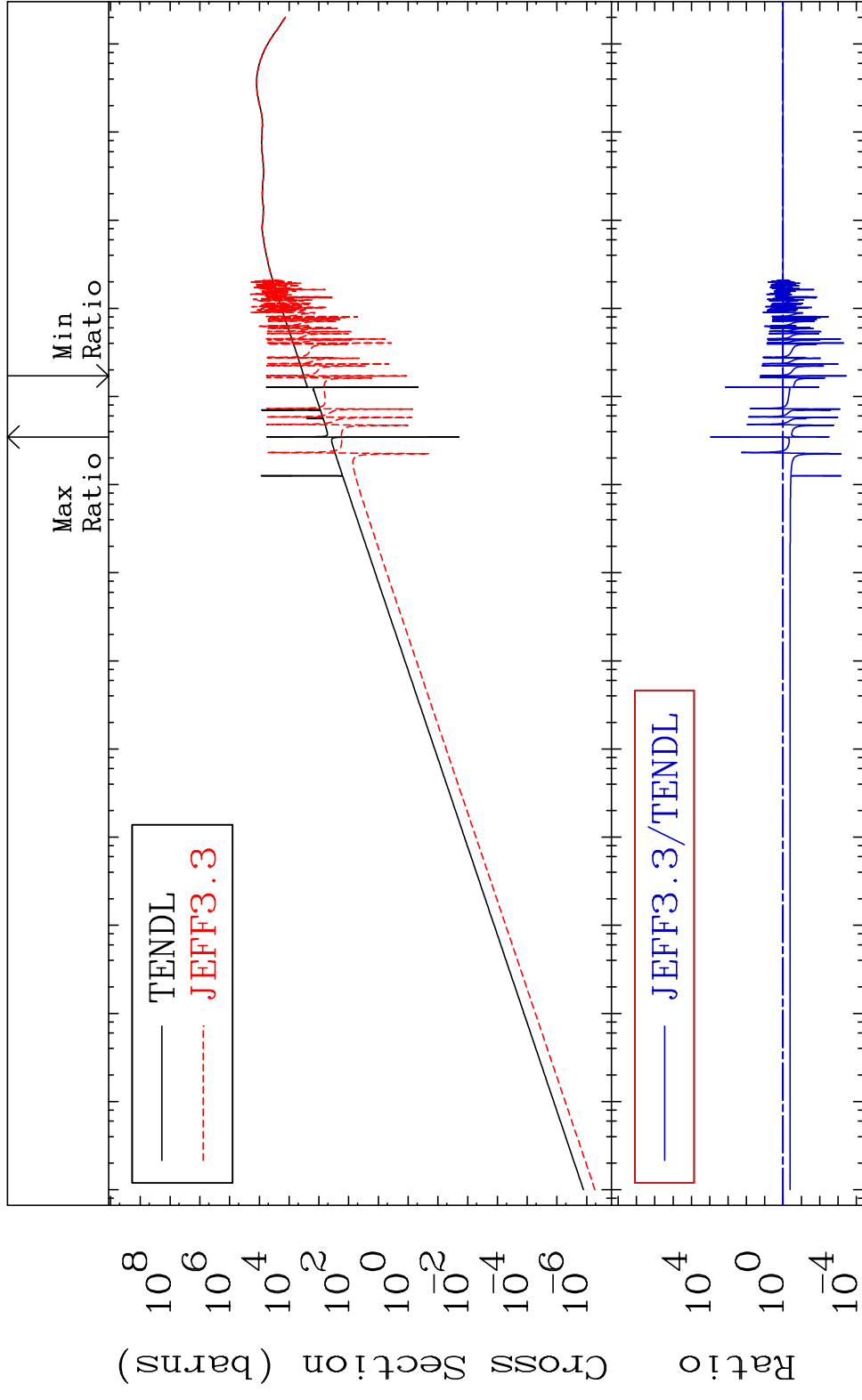
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

63 Incident Energy (eV) 38-Sr-90

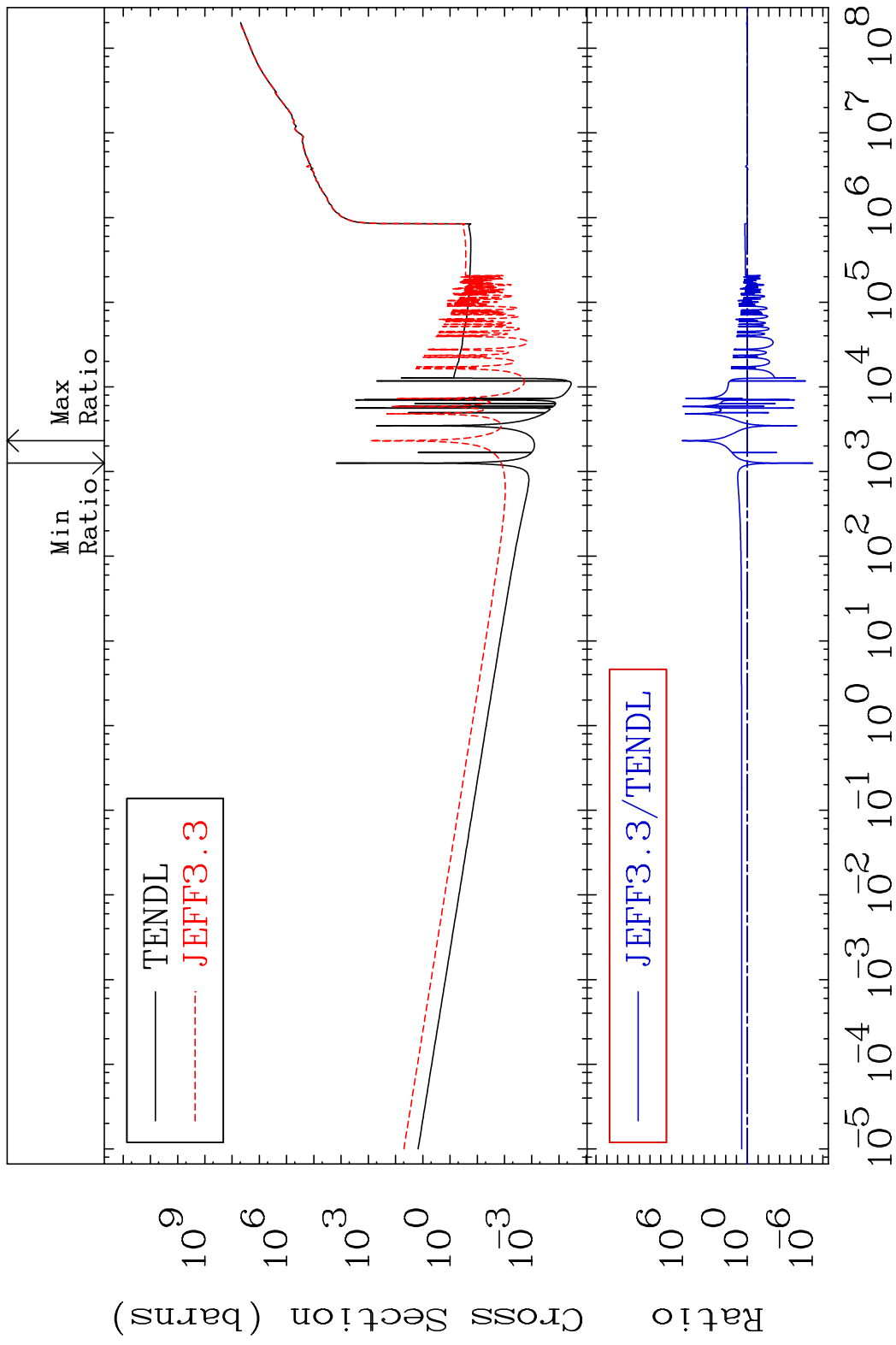


MAT 3843

Kerma elastic Cross Section  
38-Sr-90  
-99.96 To 9999. %

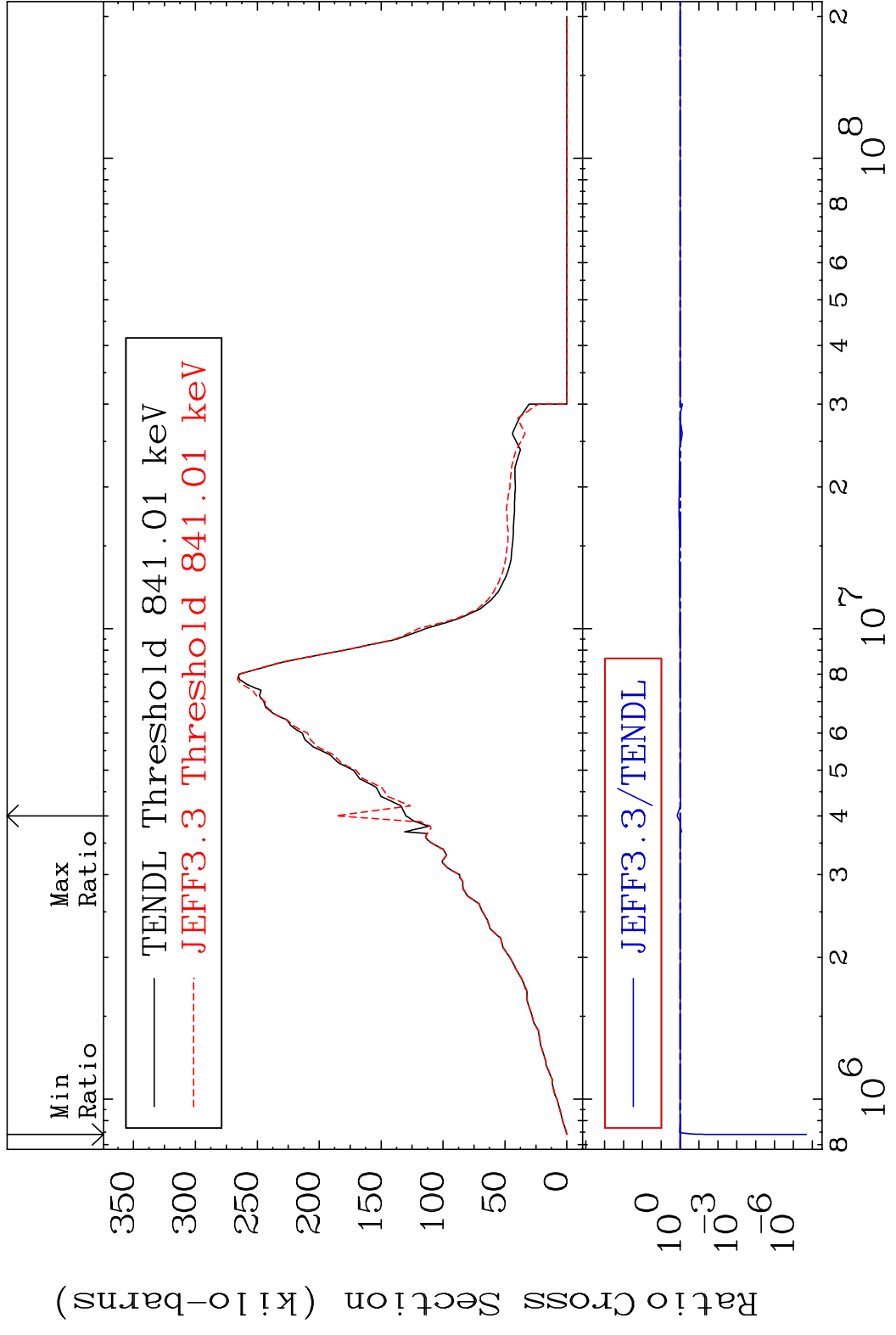


MAT 3843 Kerma non-elastic (all but mt2) 38-Sr-90  
 Cross Section -100.0 To 9999. %

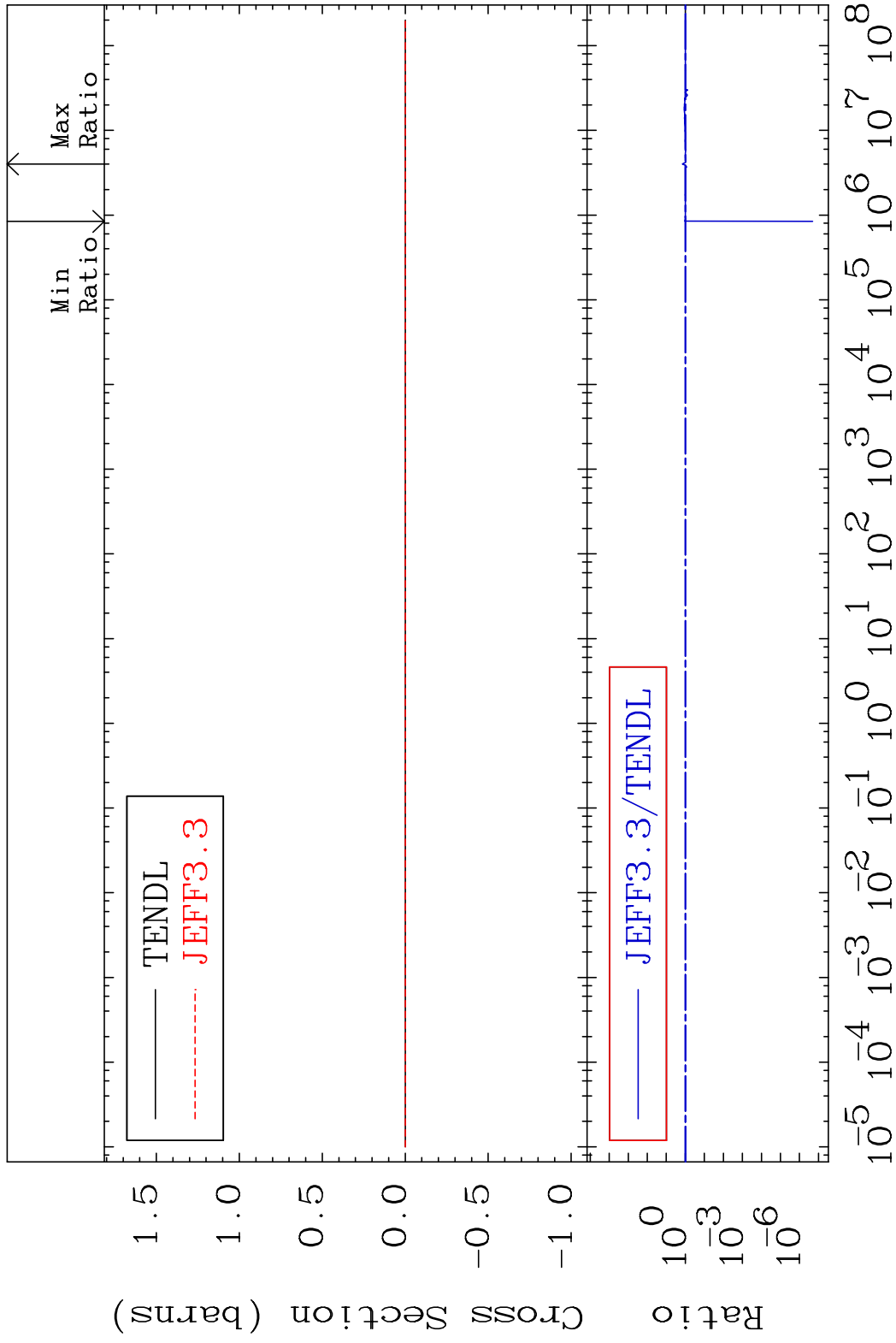


65 Incident Energy (eV) 38-Sr-90

MAT 3843 Kerma inelastic (mt51-91) 38-Sr-90  
 Cross Section -100.0 To 43.39 %

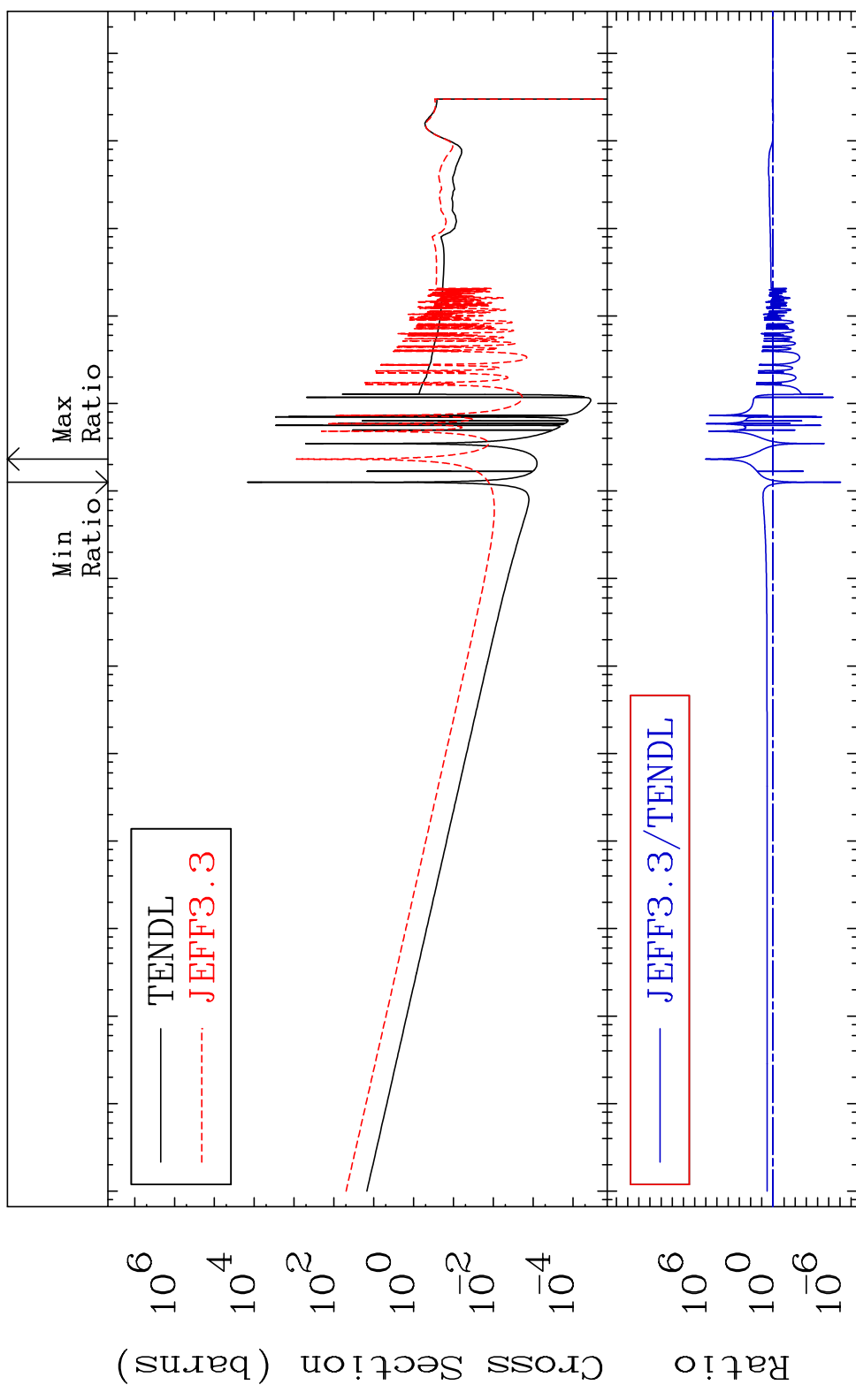


MAT 3843 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-90  
 Cross Section -100.0 To 43.39 %

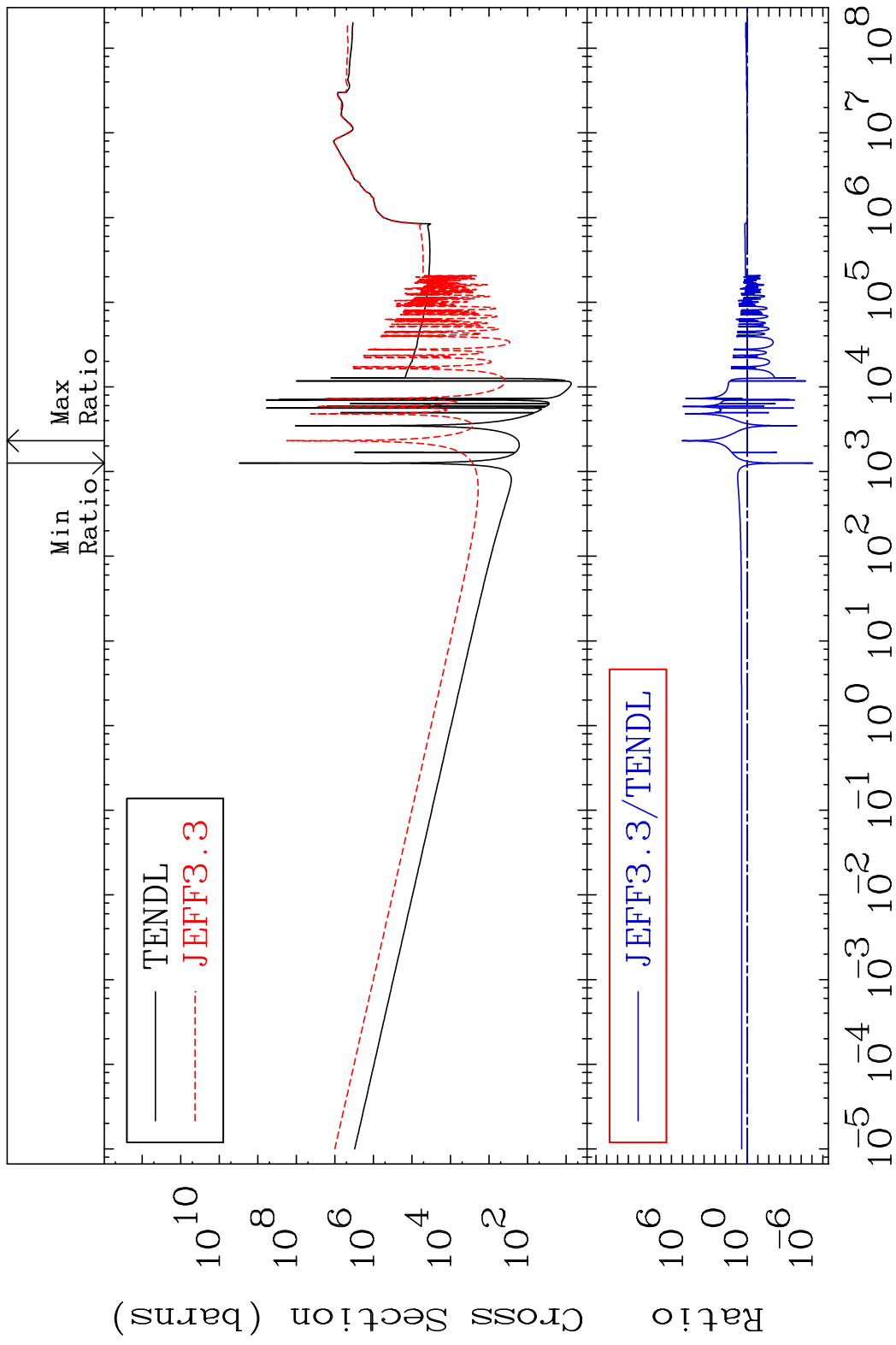


MAT 3843

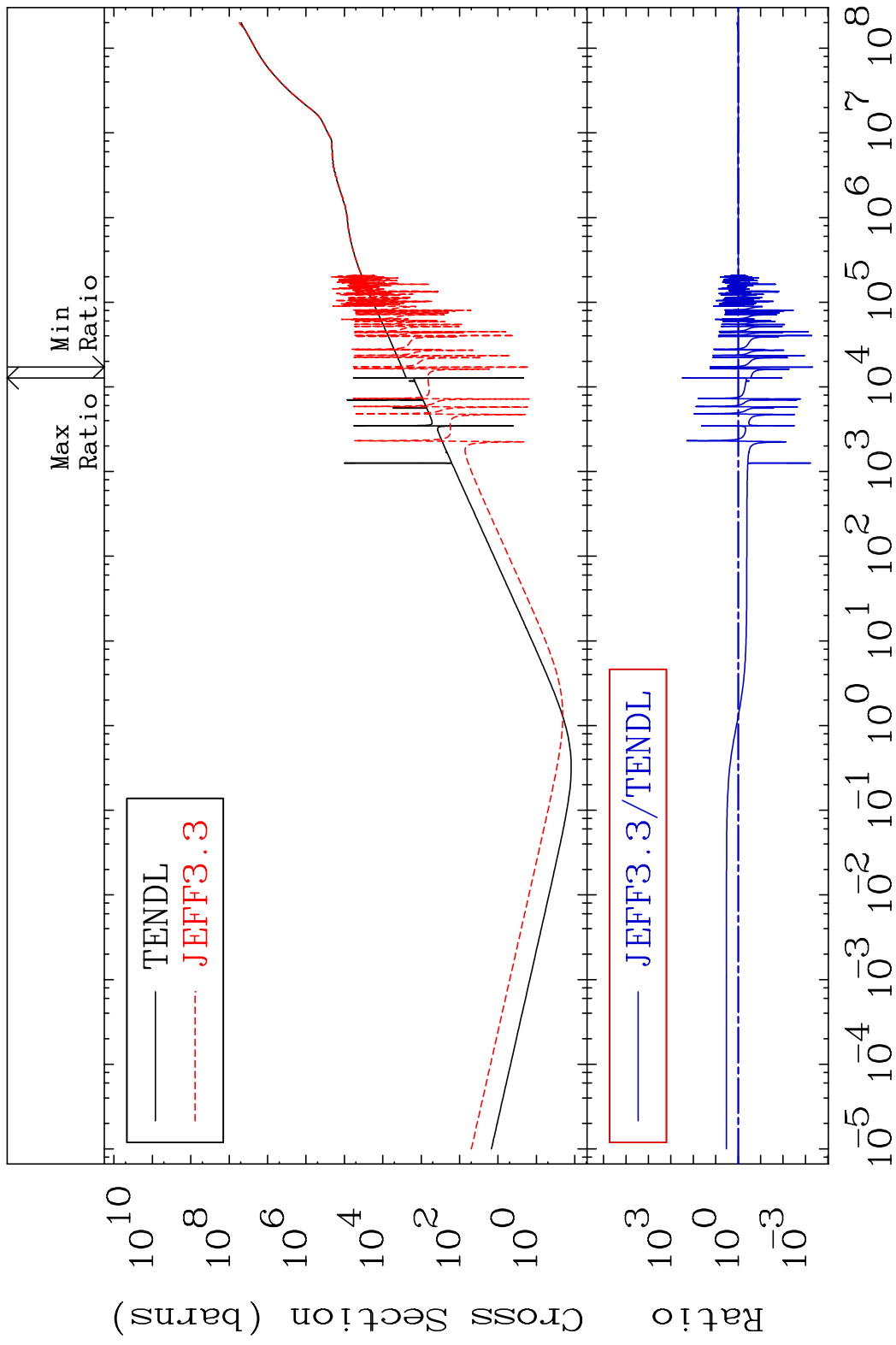
Kerma capture (mt102) 38-Sr-90  
Cross Section -100.0 To 9999. %



MAT 3843 Total photon (eV-barns) 38-Sr-90  
 Cross Section -100.0 To 9999. %



MAT 3843 Total kinematic kerma (high limit) 38-Sr-90  
 Cross Section -99.95 To 9999. %



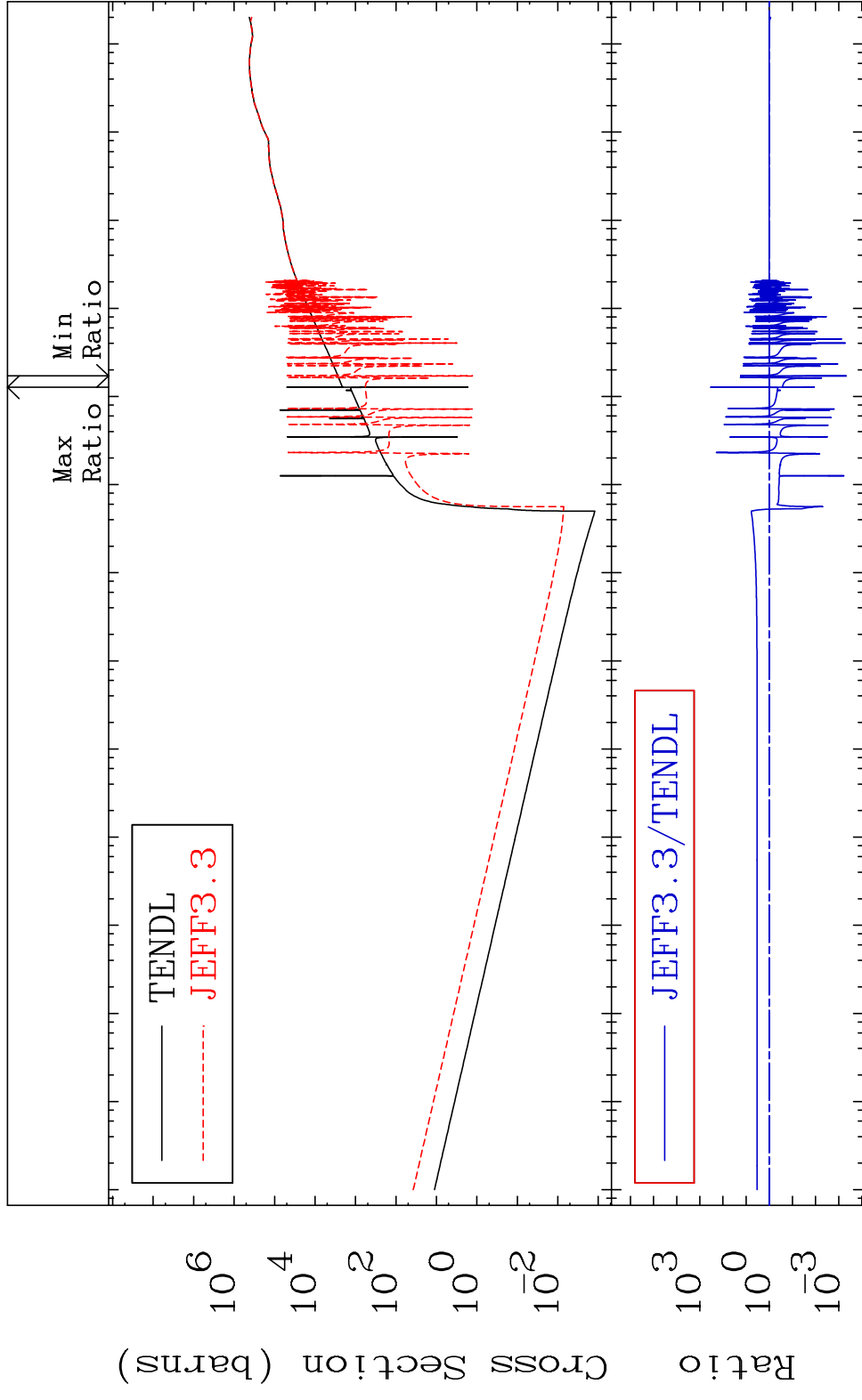
70 Incident Energy (eV) 38-Sr-90

MAT 3843

Dpa total (eV-barns)

38-Sr-90

Cross Section -99.95 To 9999. %



71

Incident Energy (eV)

38-Sr-90

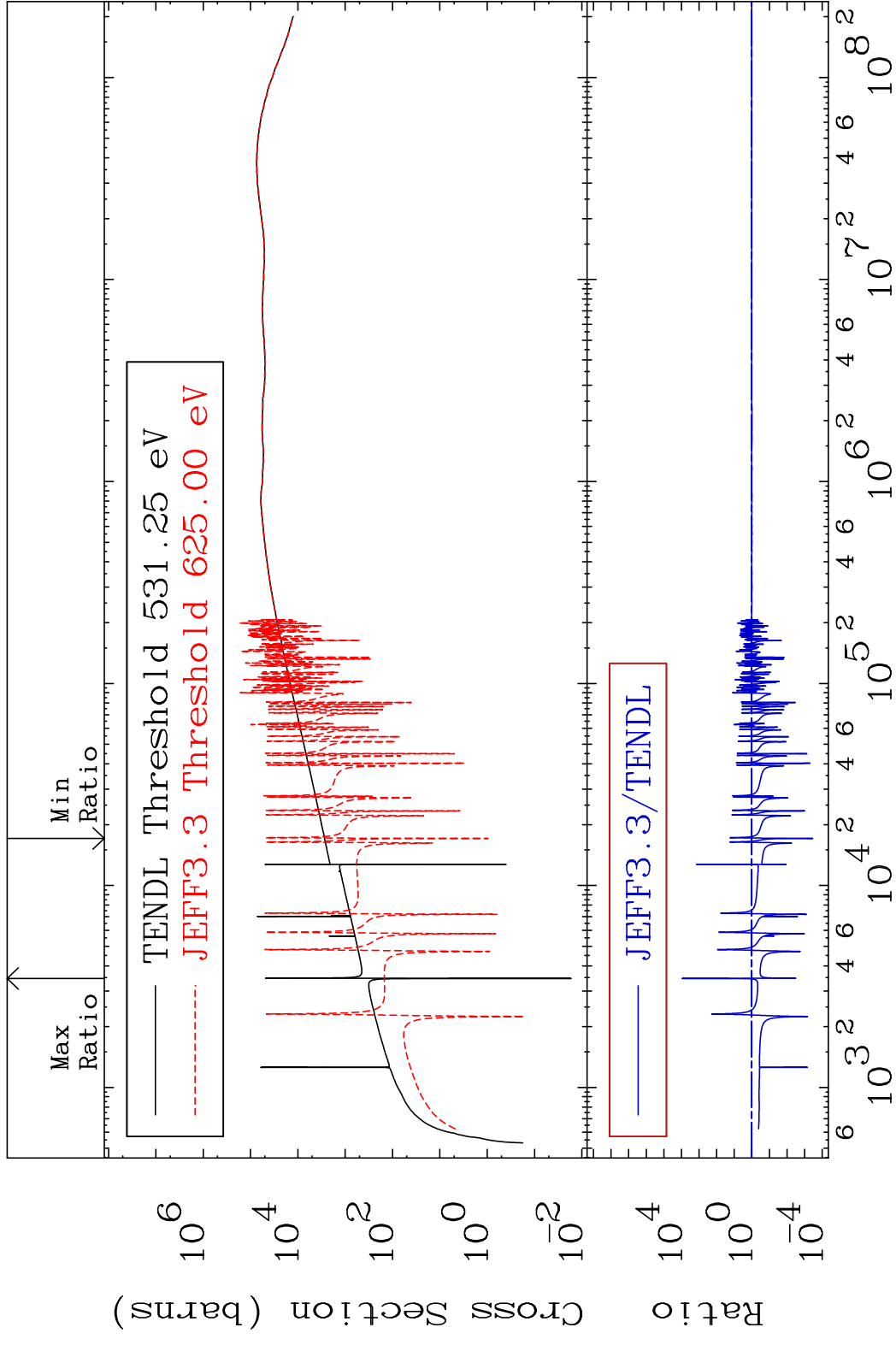


MAT 3843

Dpa elastic (mt2)

38-Sr-90

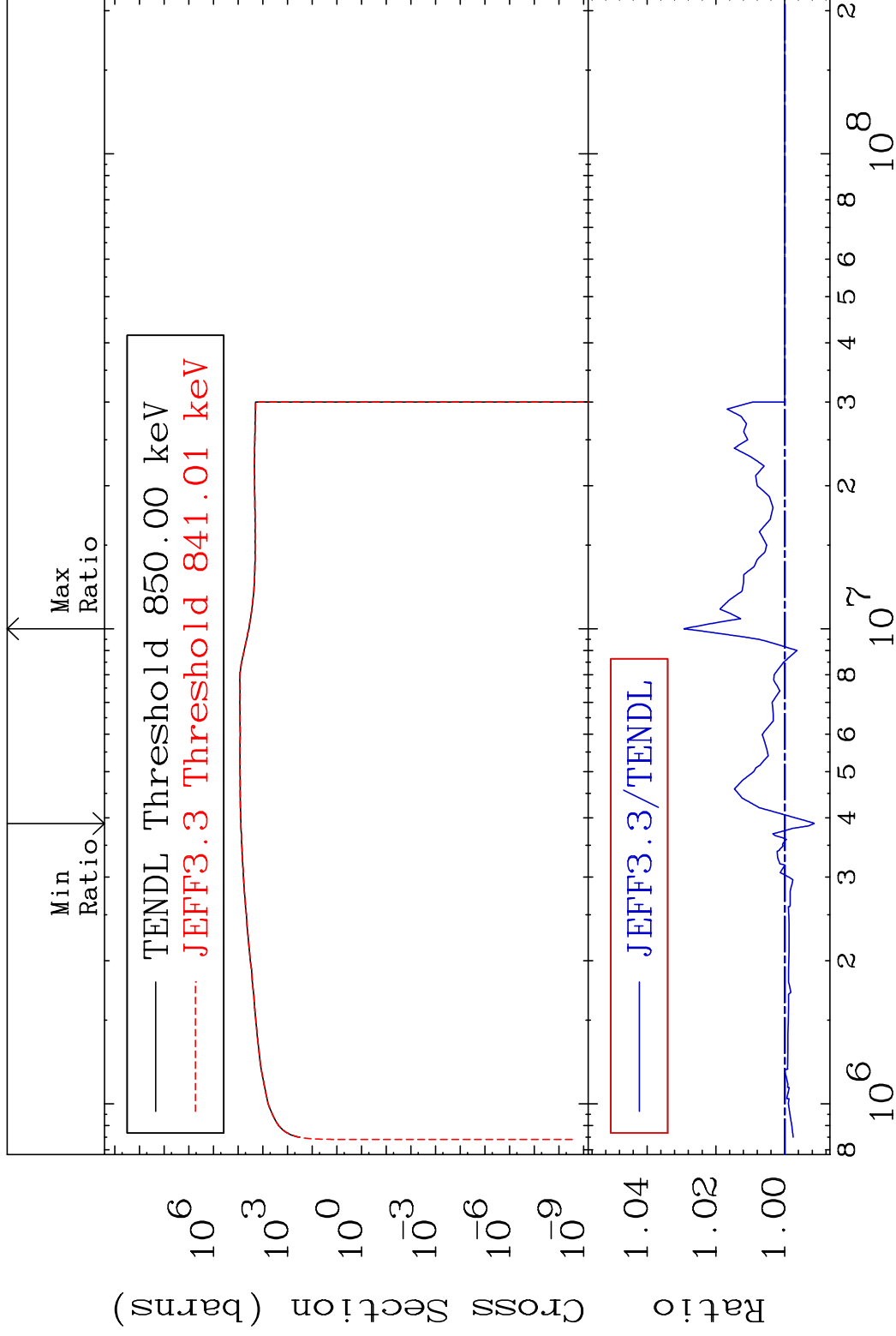
Cross Section -99.96 To 9999. %



MAT 3843

Dpa inelastic (mt51-91) 38-Sr-90

Cross Section -0.854 To 2.937 %

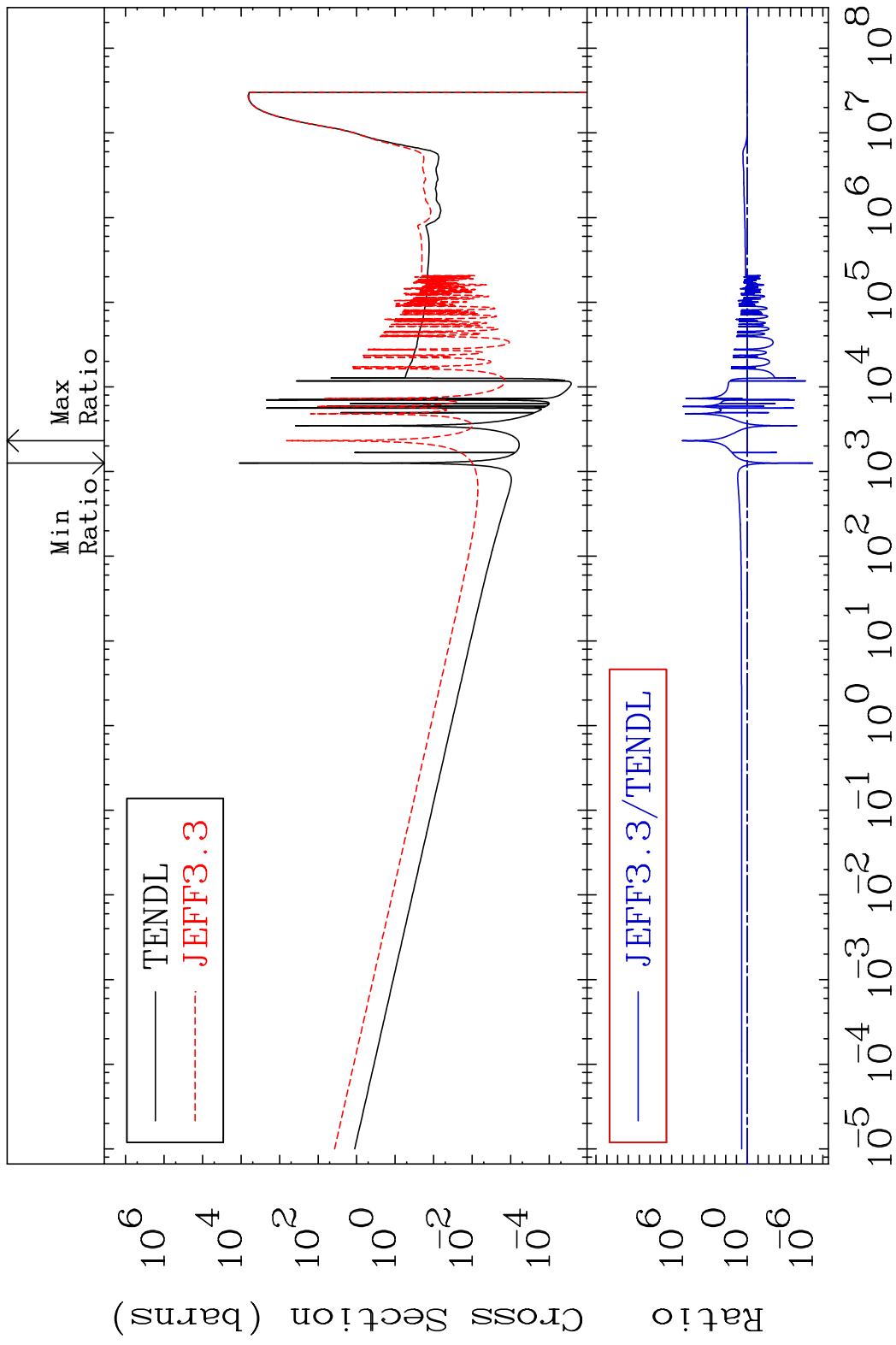


73

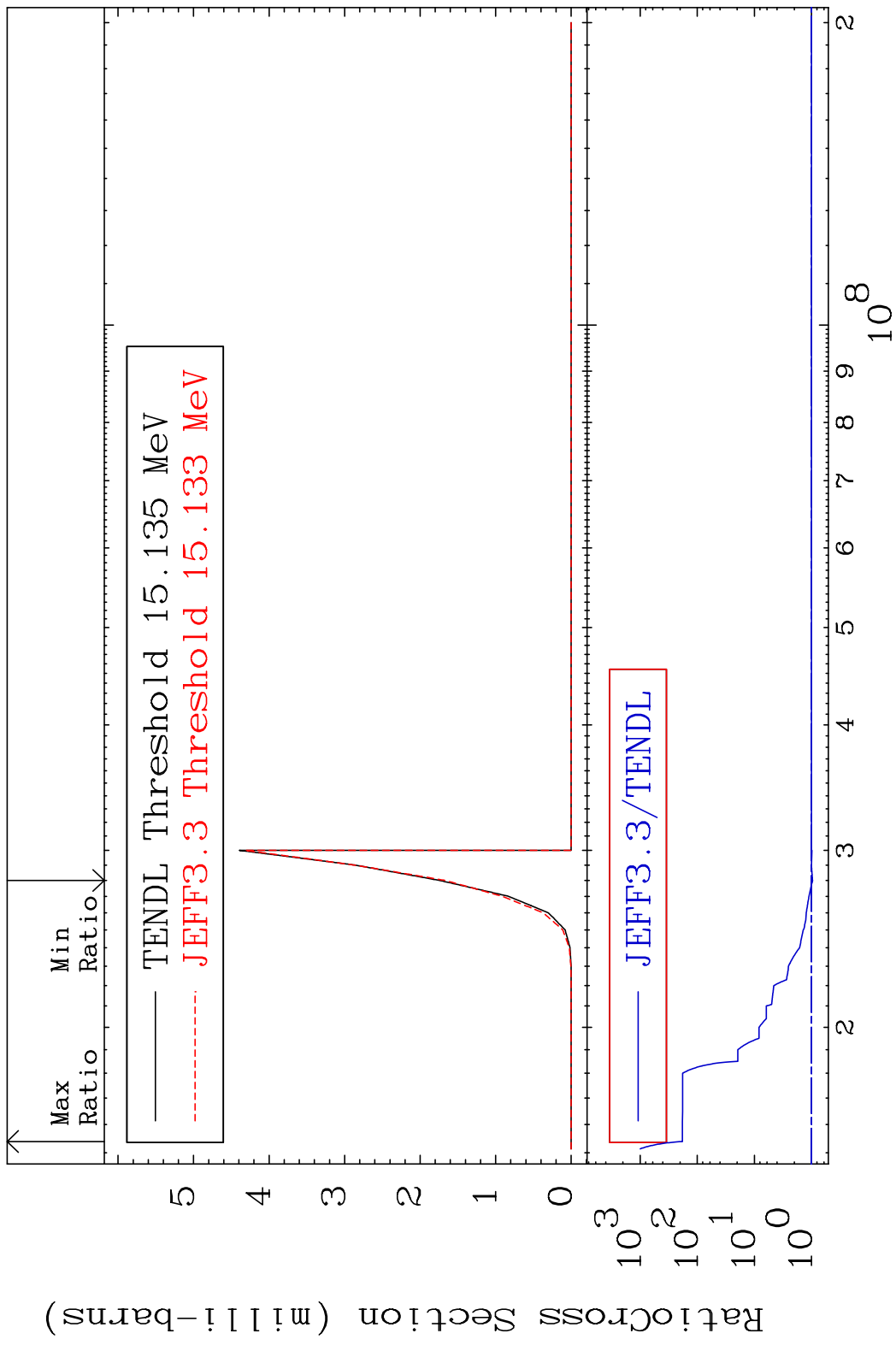
Incident Energy (eV)

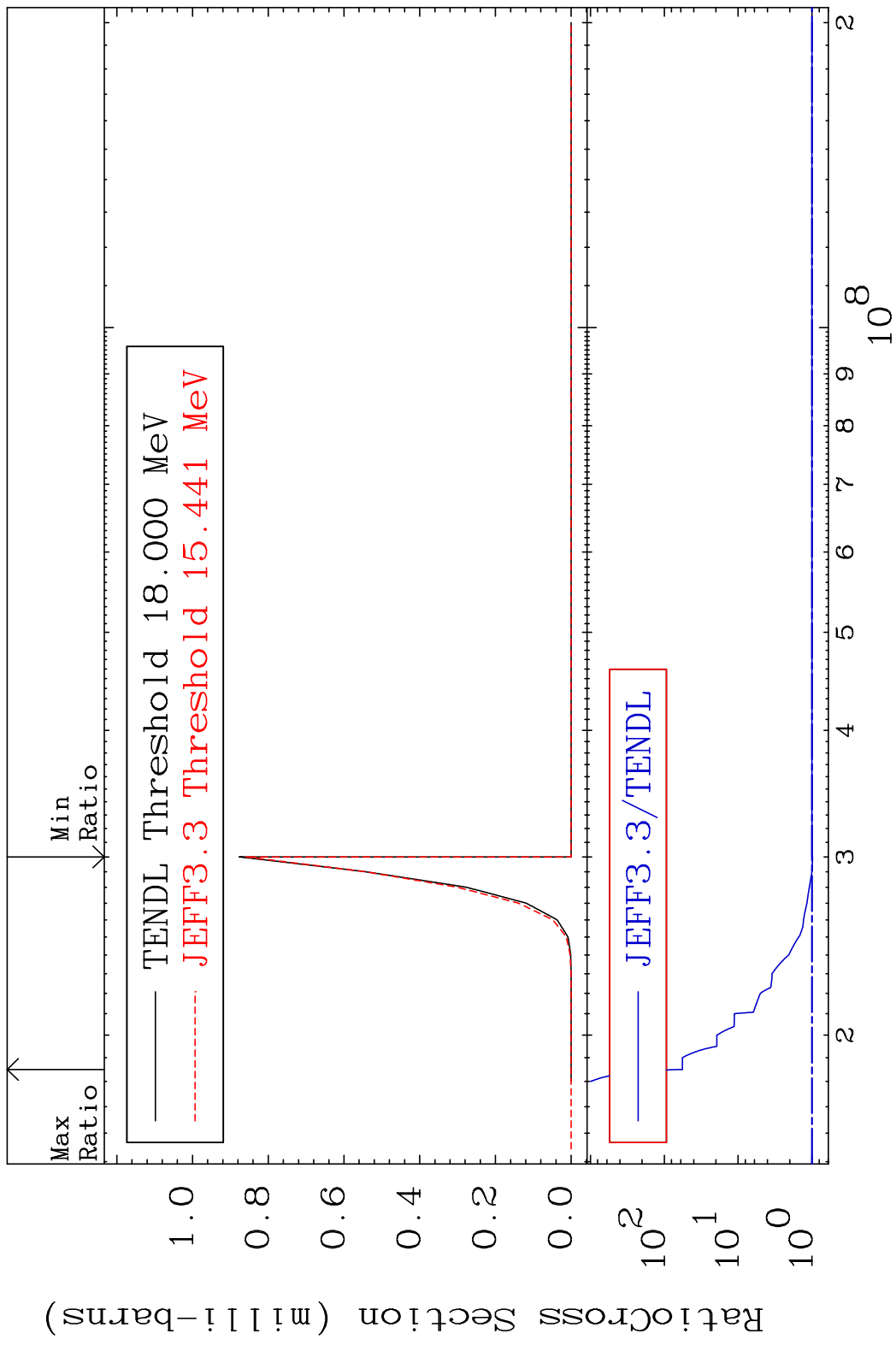
38-Sr-90

MAT 3843 Dpa disappearance (mt102 -120) 38-Sr-90  
 Cross Section -100.0 To 9999. %

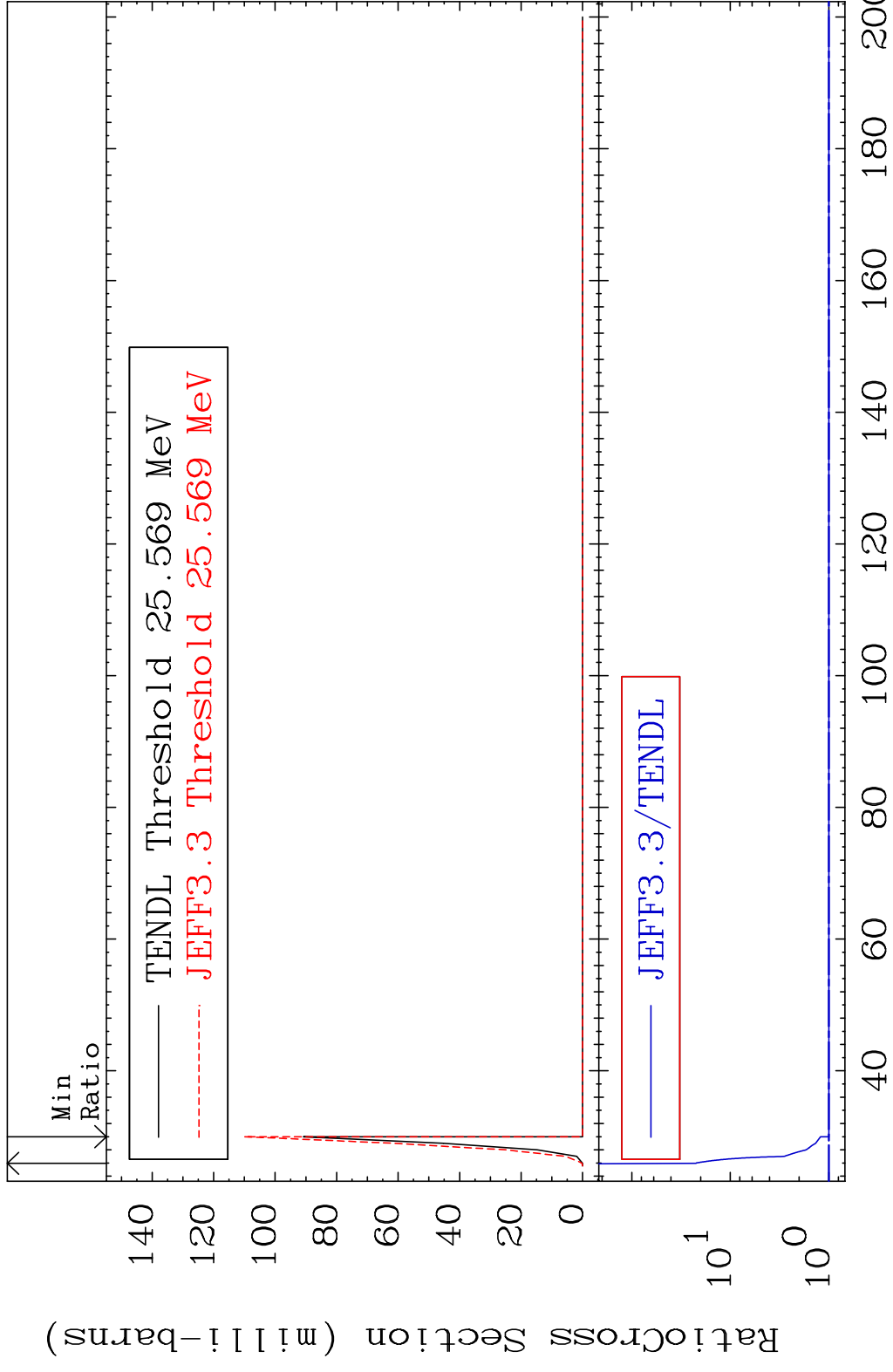


MAT 3843 (n,2n)  $\alpha$ :36-Kr-85g 38-Sr-90  
 Radionuclide Production Cross Section 9999. %

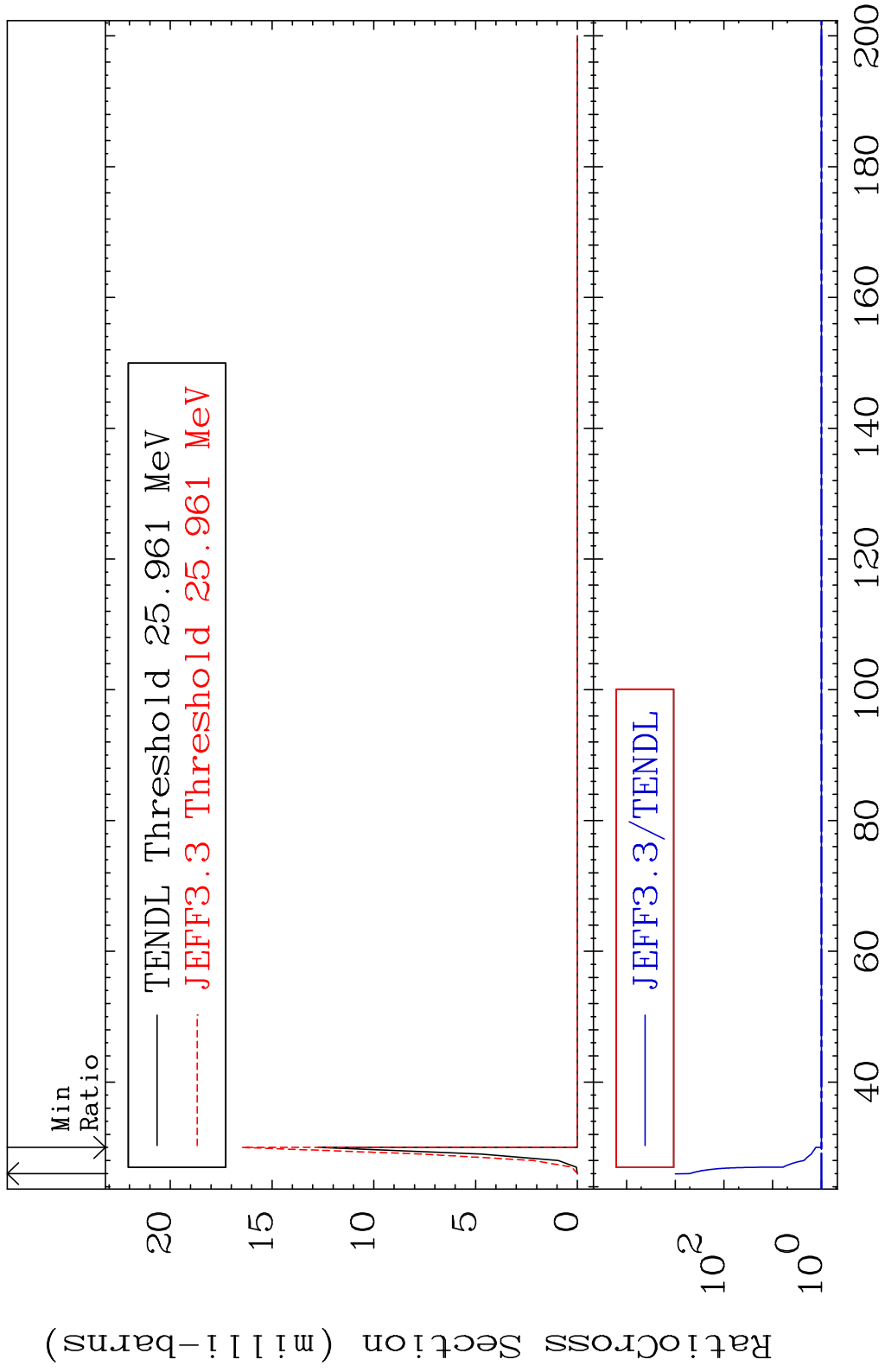




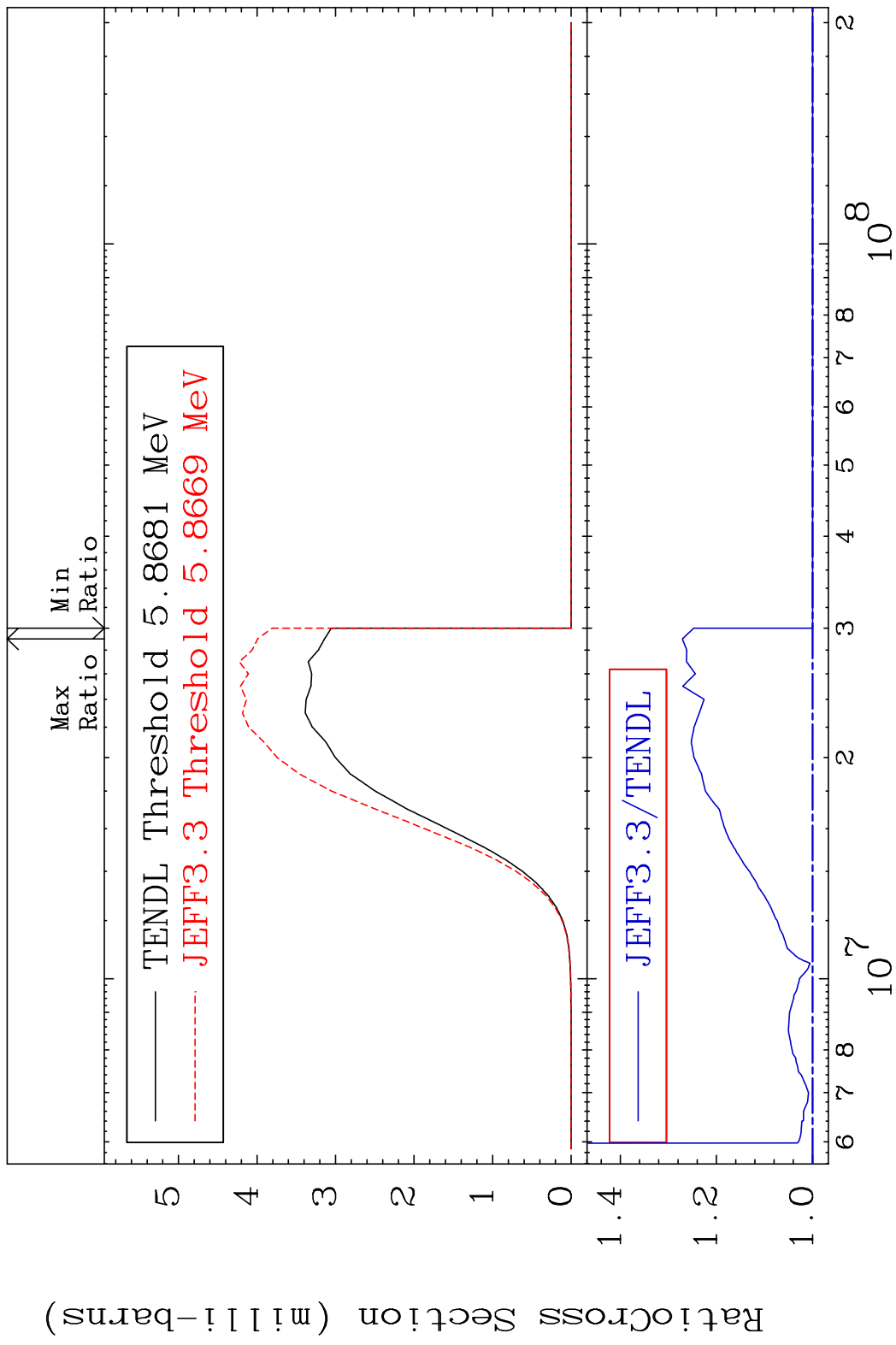
MAT 3843 (n,4n):38-Sr-87g 38-Sr-90  
 Radionuclide Production Cross Section 2130. %



MAT 3843 (n,4n):38-Sr-87m1 38-Sr-90  
 Radionuclide Production Cross Section 9999. %



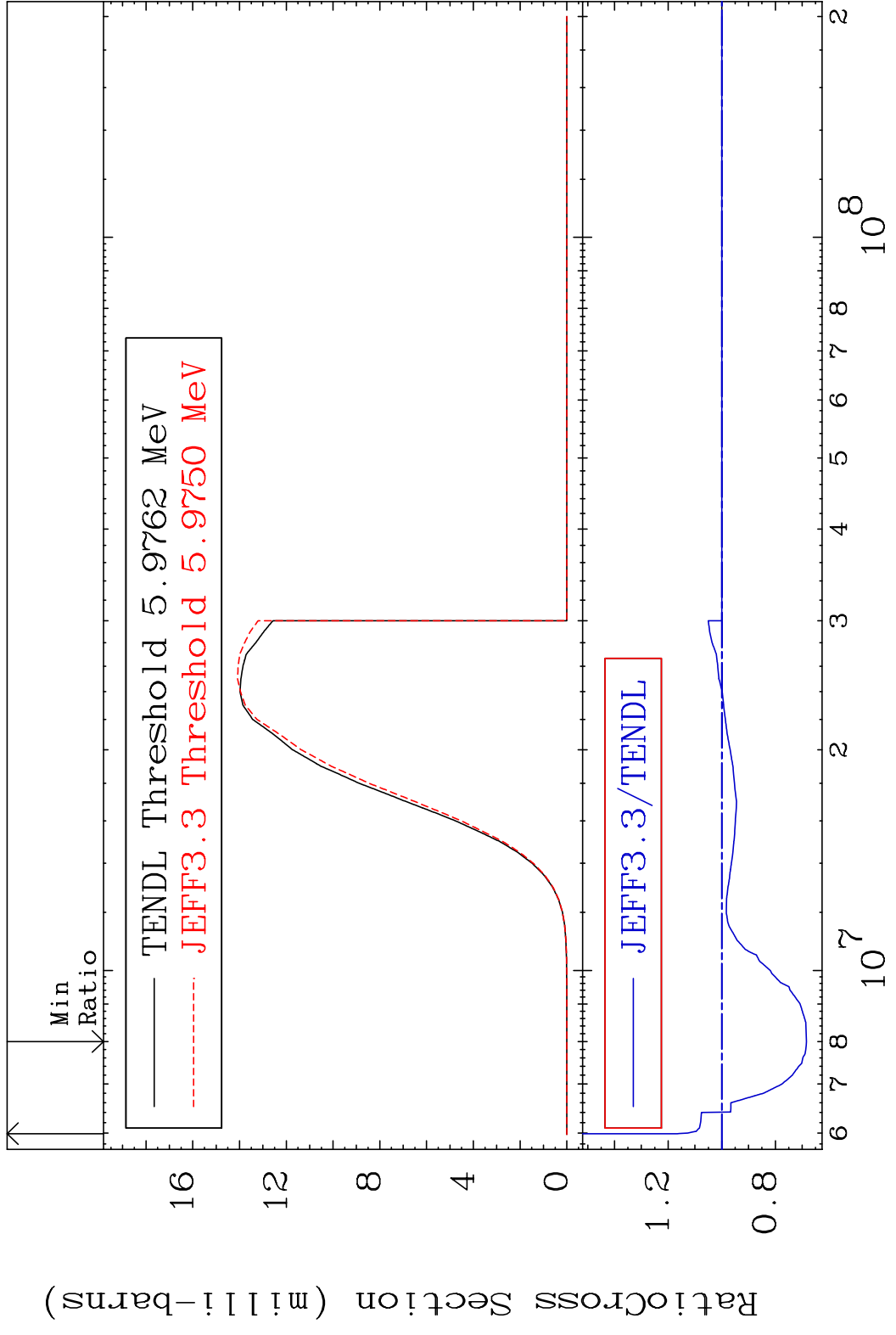
MAT 3843 (n, p): 37-Rb-90g 38-Sr-90  
 Radionuclide Production Cross Section 27.09 %



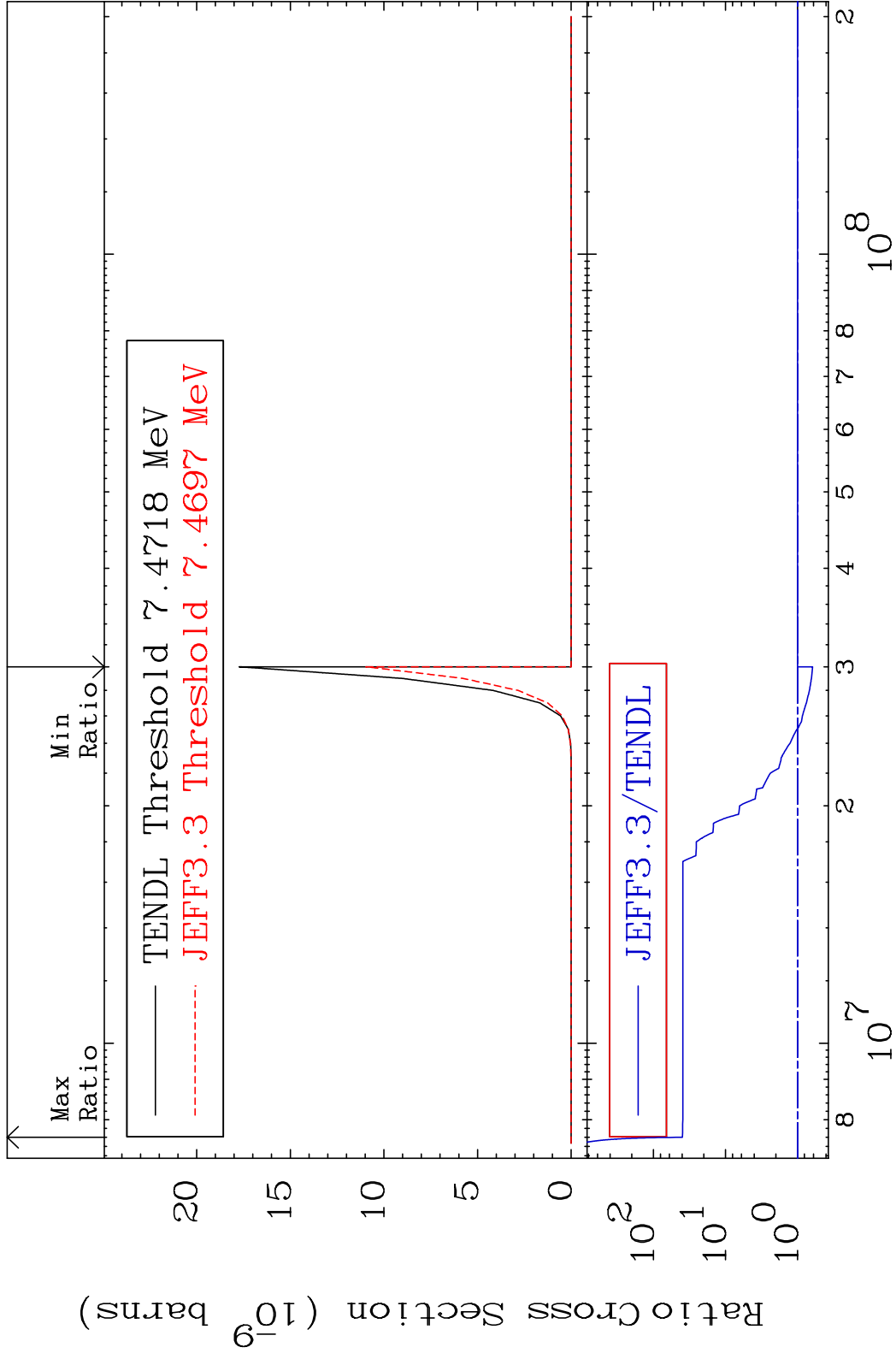
79 38-Sr-90



MAT 3843 (n,p):37-Rb-90m1 38-Sr-90  
 Radionuclide Production Cross Section 16.62 %



MAT 3843 (n,2α):34-Se-83g 38-Sr-90  
 Radionuclide Production Cross Section 38e23i d10 3878. %



MAT 3843 (n,2α):34-Se-83m1 38-Sr-90  
 Radionuclide Production Cross Section 3127. %

