

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

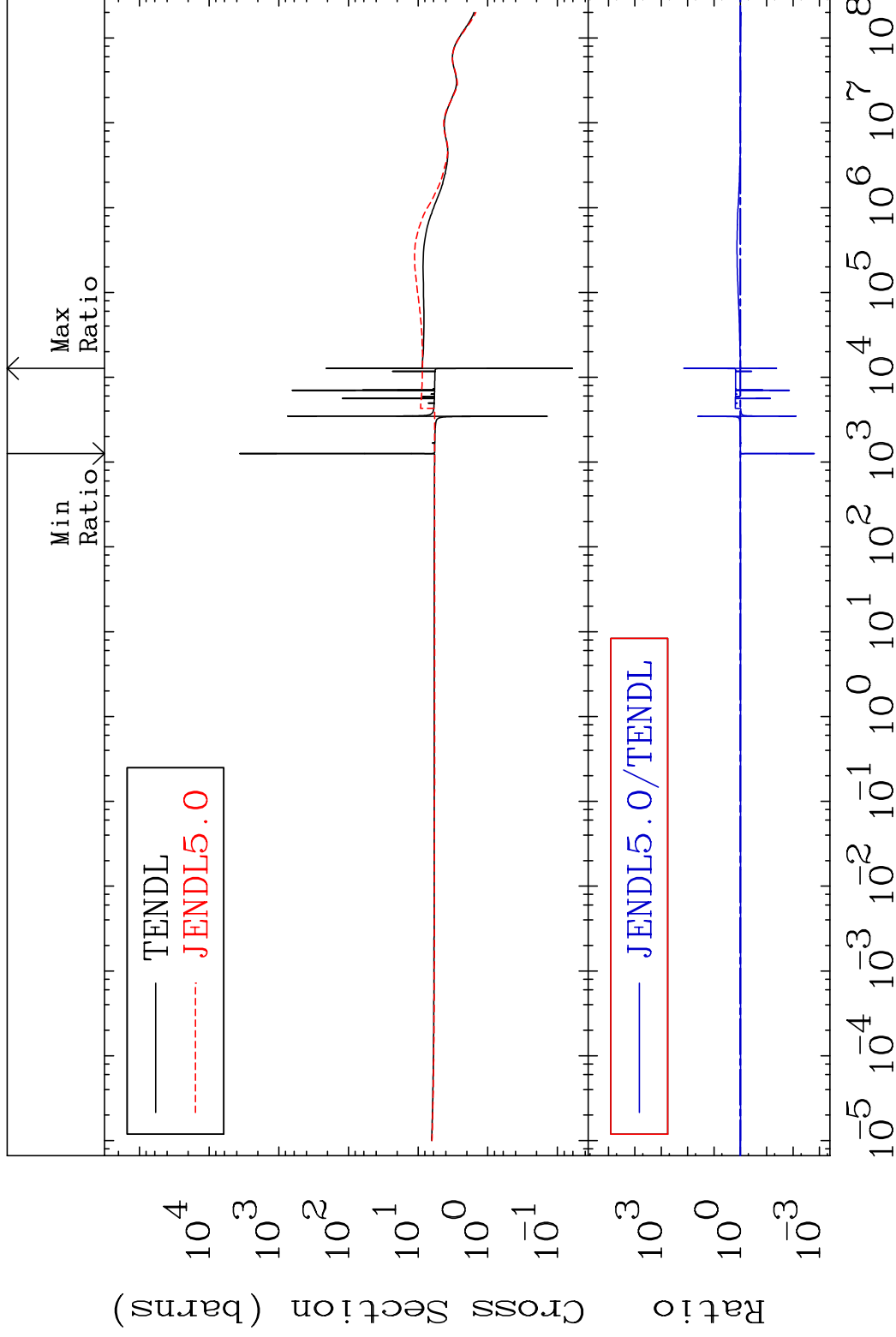
MAT 3843

Total

38-Sr-90

Cross Section

-99.84 To 9999. %



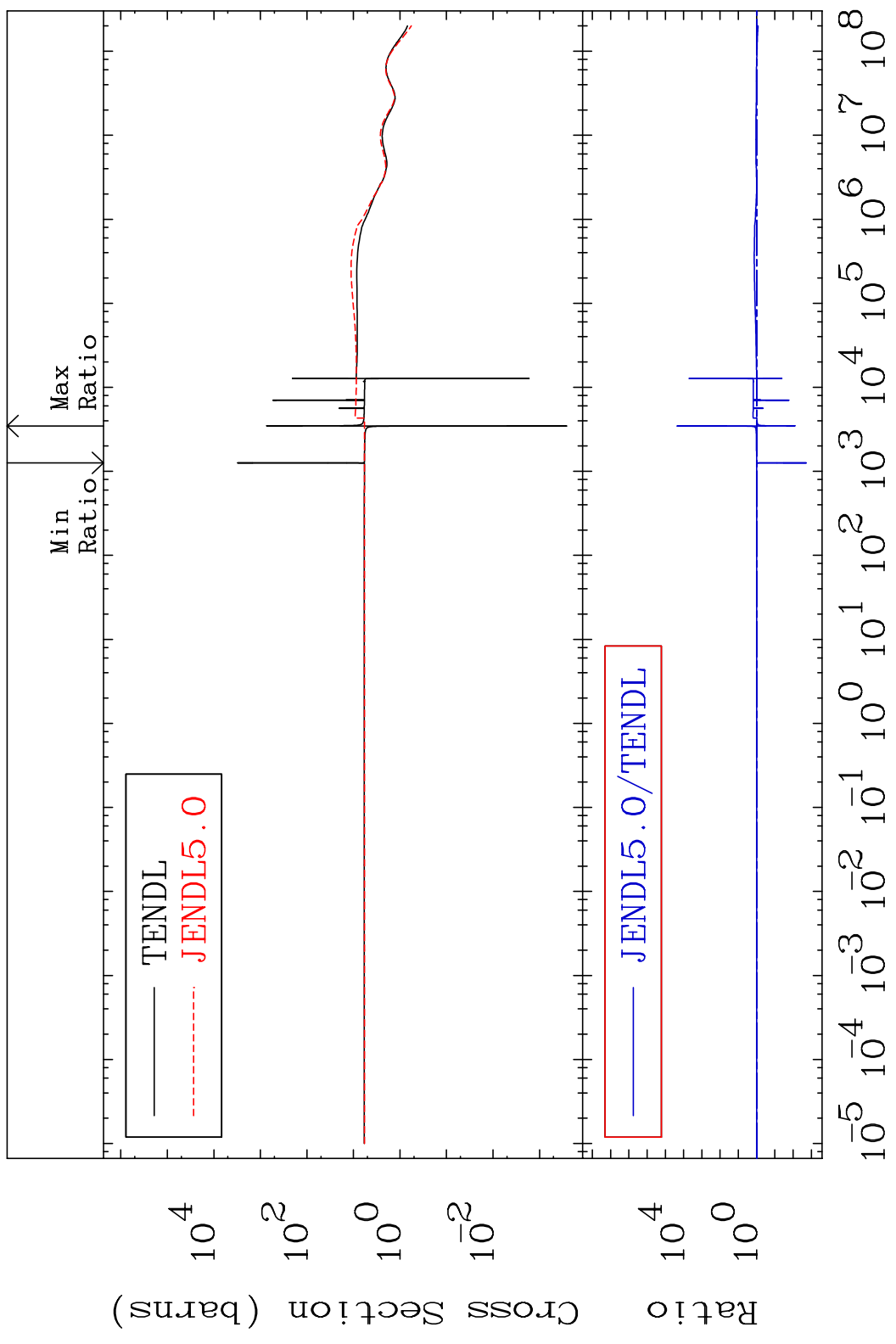
1

Incident Energy (eV)

38-Sr-90

MAT 3843

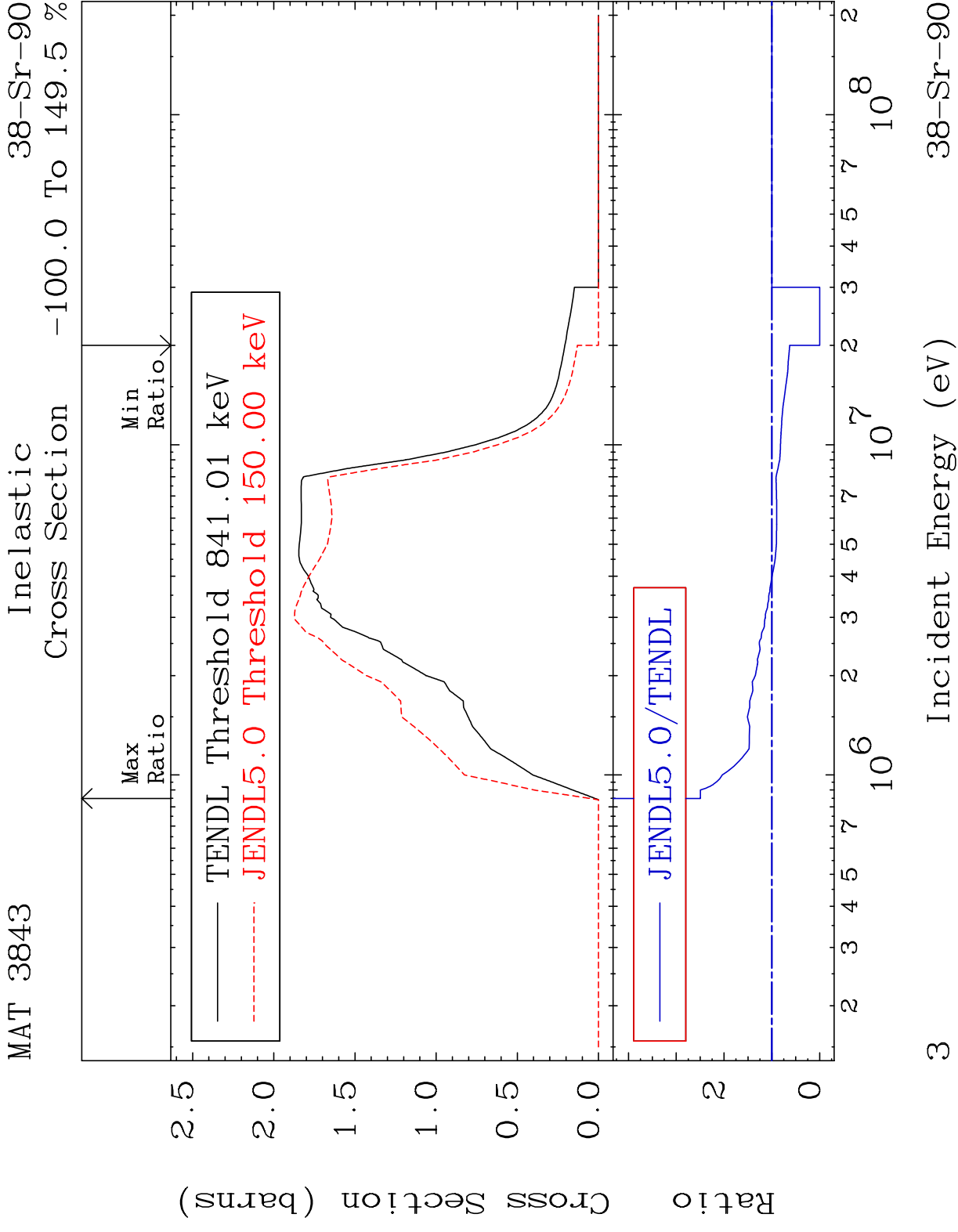
Elastic Cross Section -99.81 To 9999. % 38-Sr-90



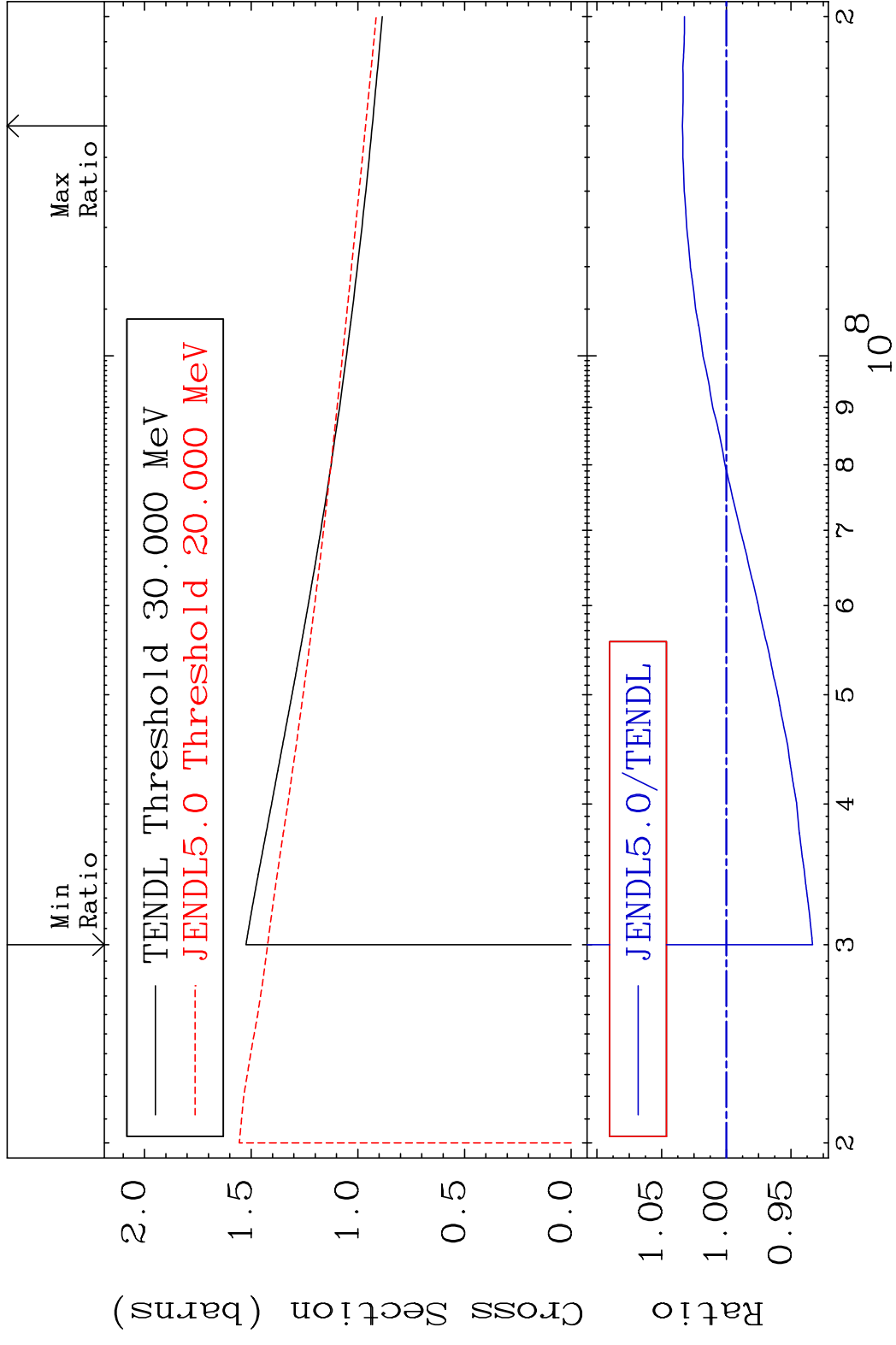
2

Incident Energy (eV)

38-Sr-90



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



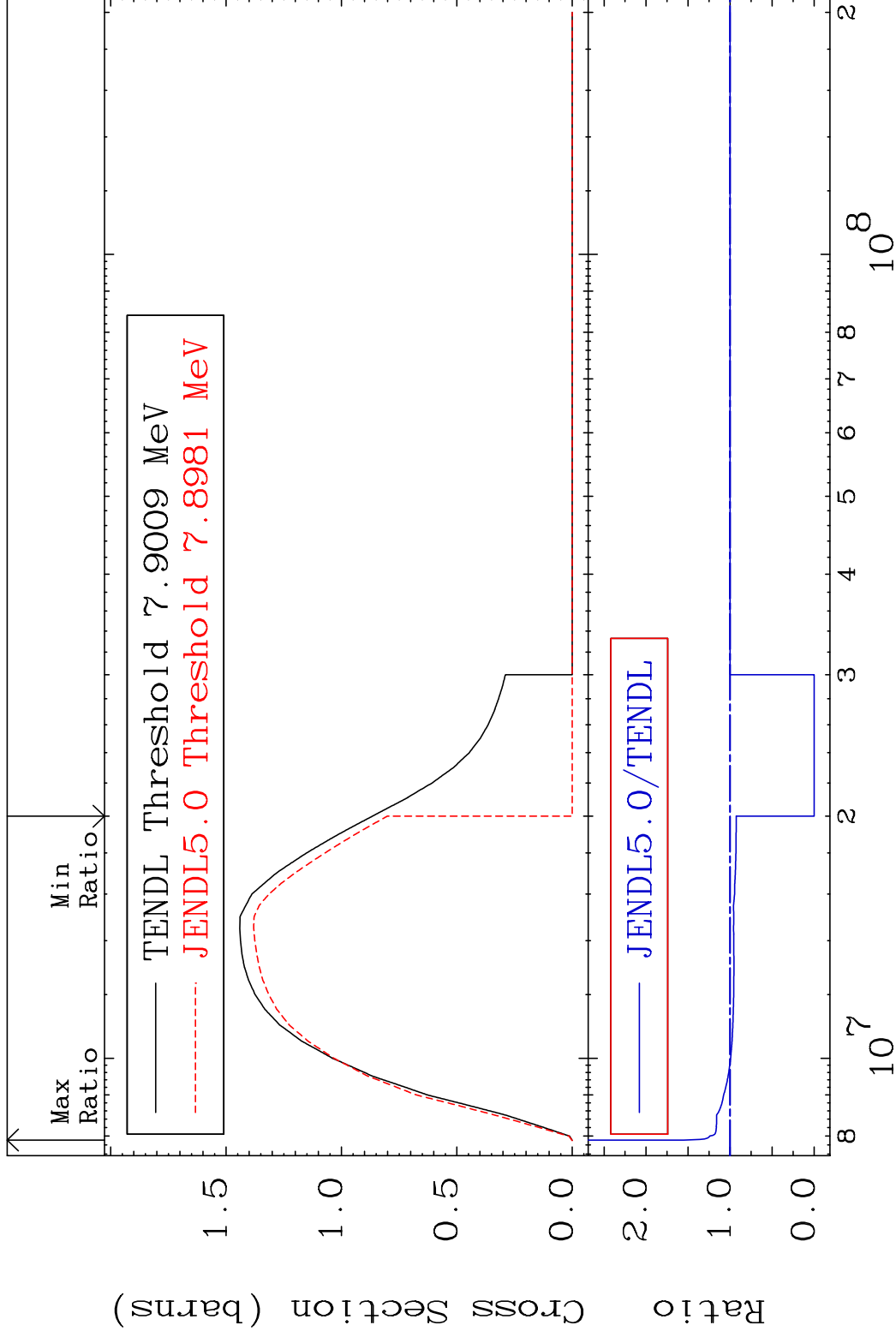
4 Incident Energy (eV) 38-Sr-90

MAT 3843

(n,2n)

<sup>38</sup>Sr-90

Cross Section -100.0 To 55.27 %



5

Incident Energy (eV)

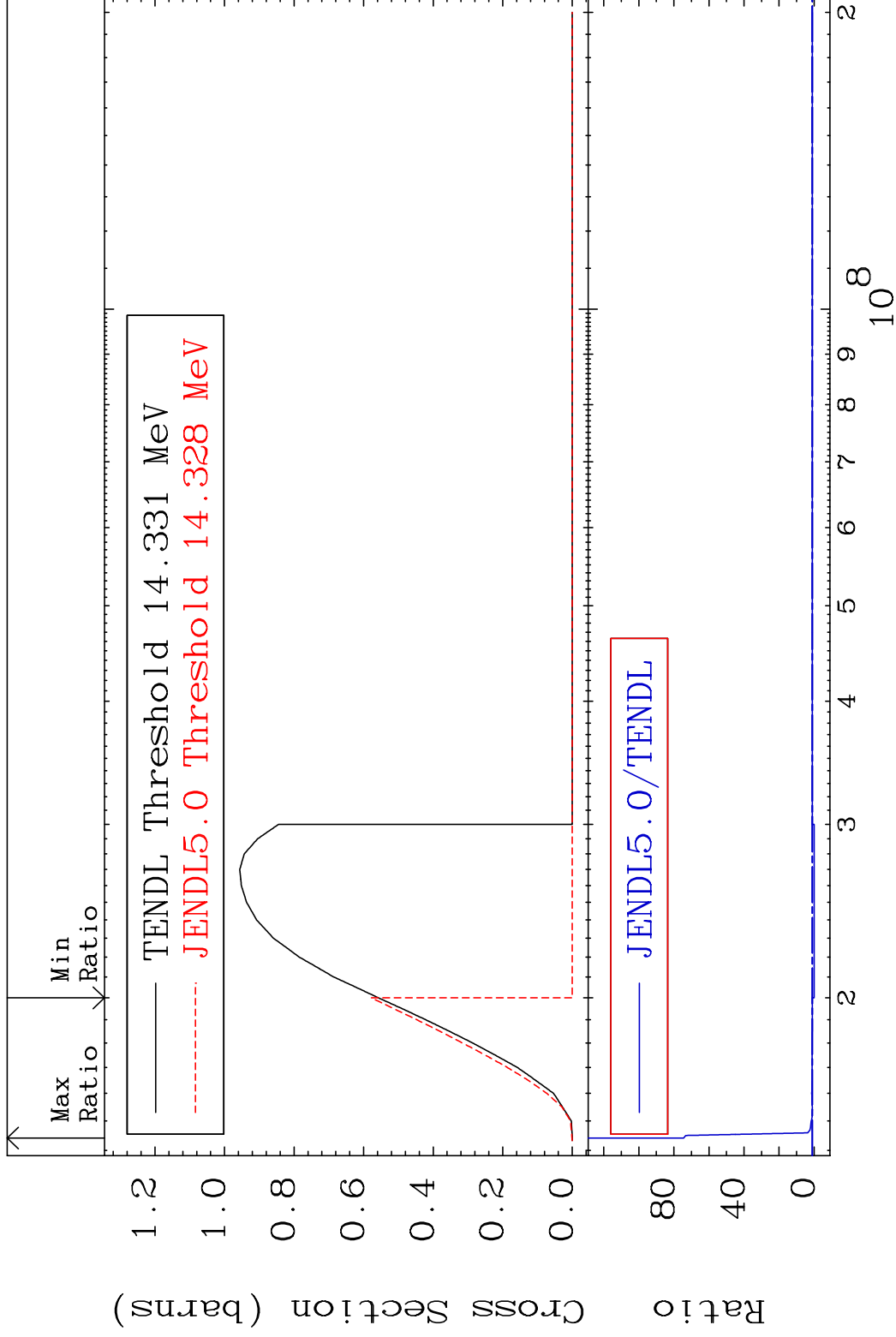
<sup>38</sup>Sr-90

MAT 3843

(n,3n)

38-Sr-90

Cross Section -100.0 To 7343. %

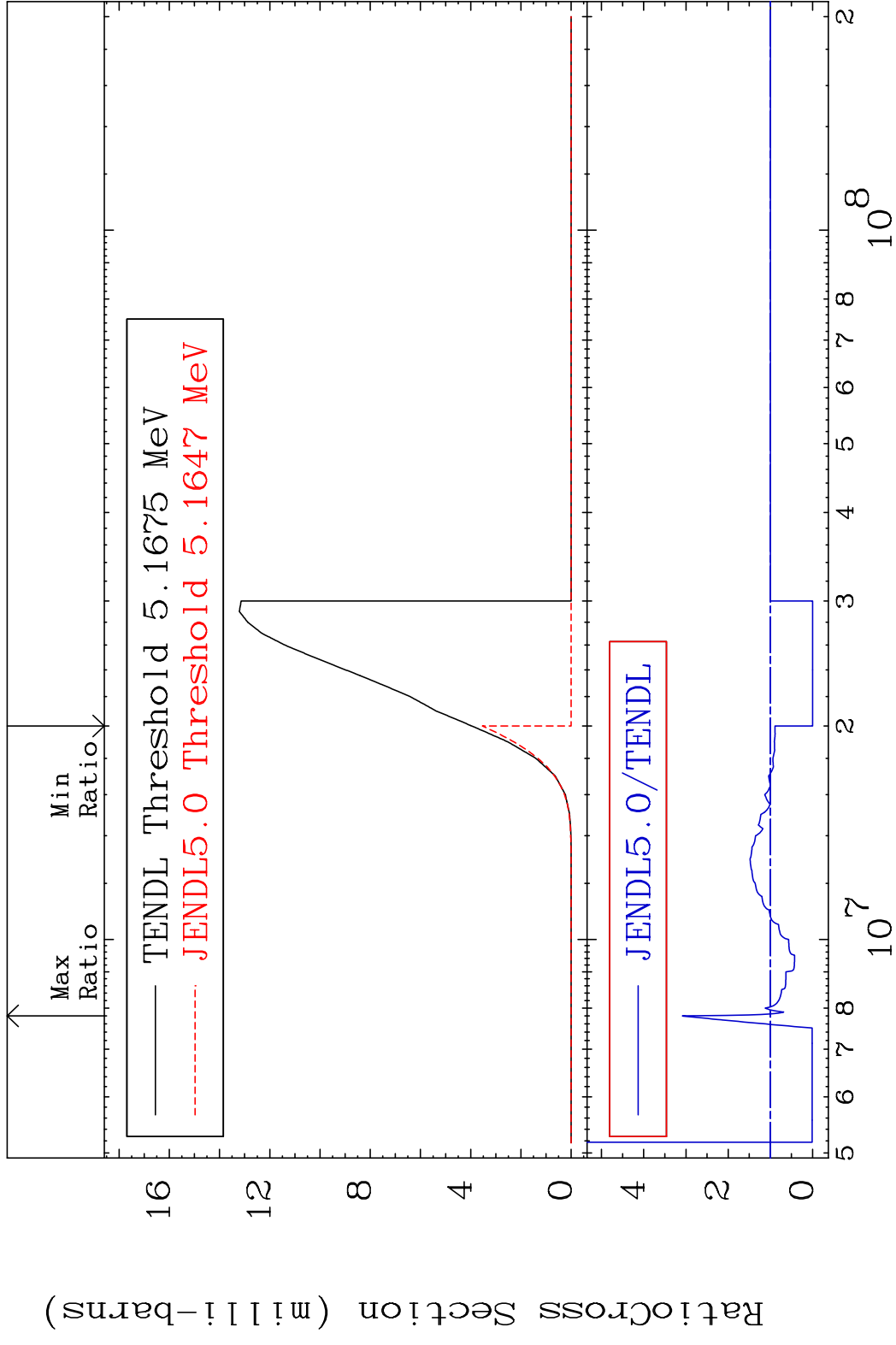


6

Incident Energy (eV)

38-Sr-90

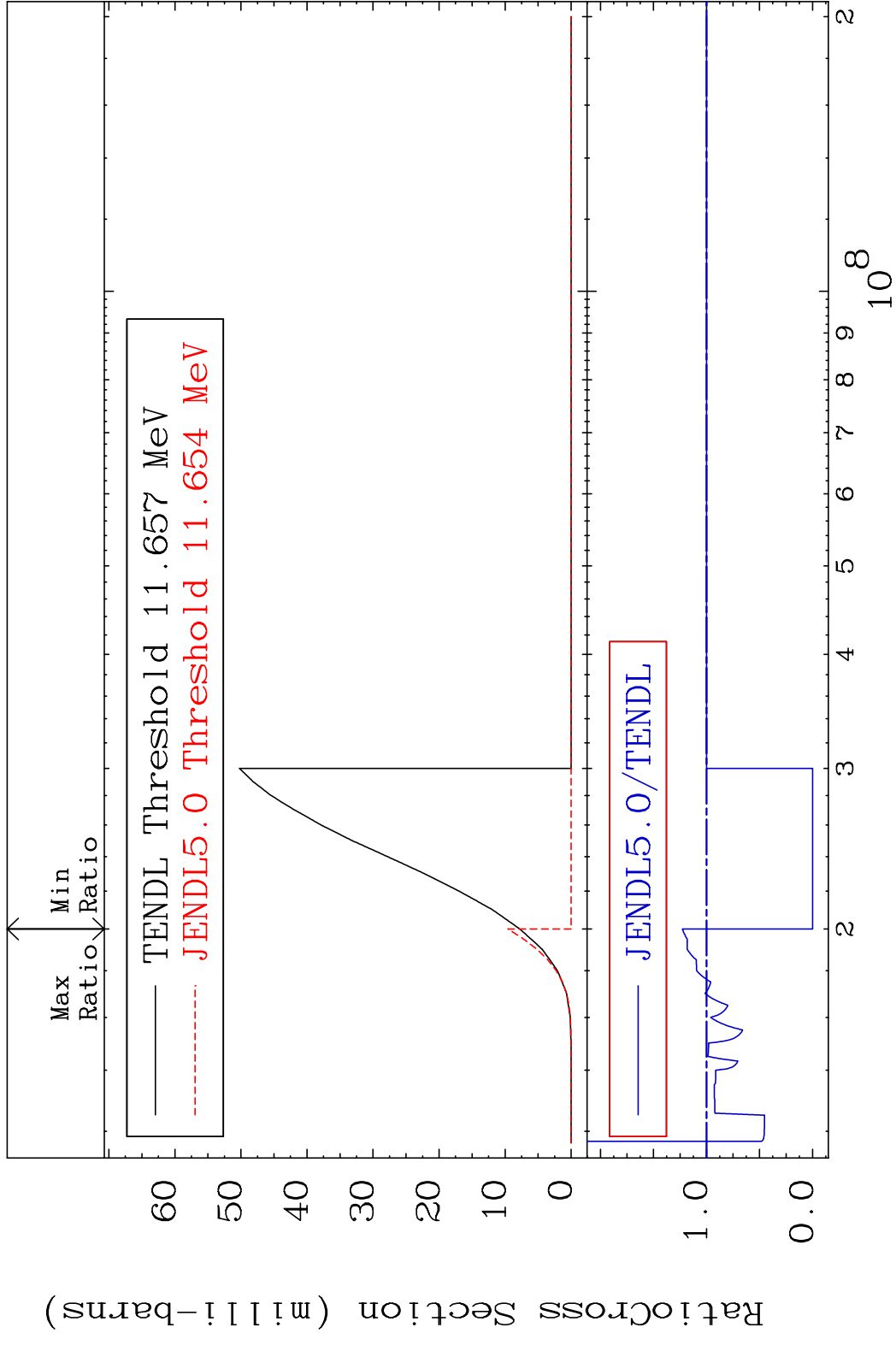
MAT 3843 (n, n')  $\alpha$  38-Sr-90  
 Cross Section -100.0 To 208.5 %



MAT 3843

(n, n') p 38-Sr-90

Cross Section -100.0 To 22.78 %

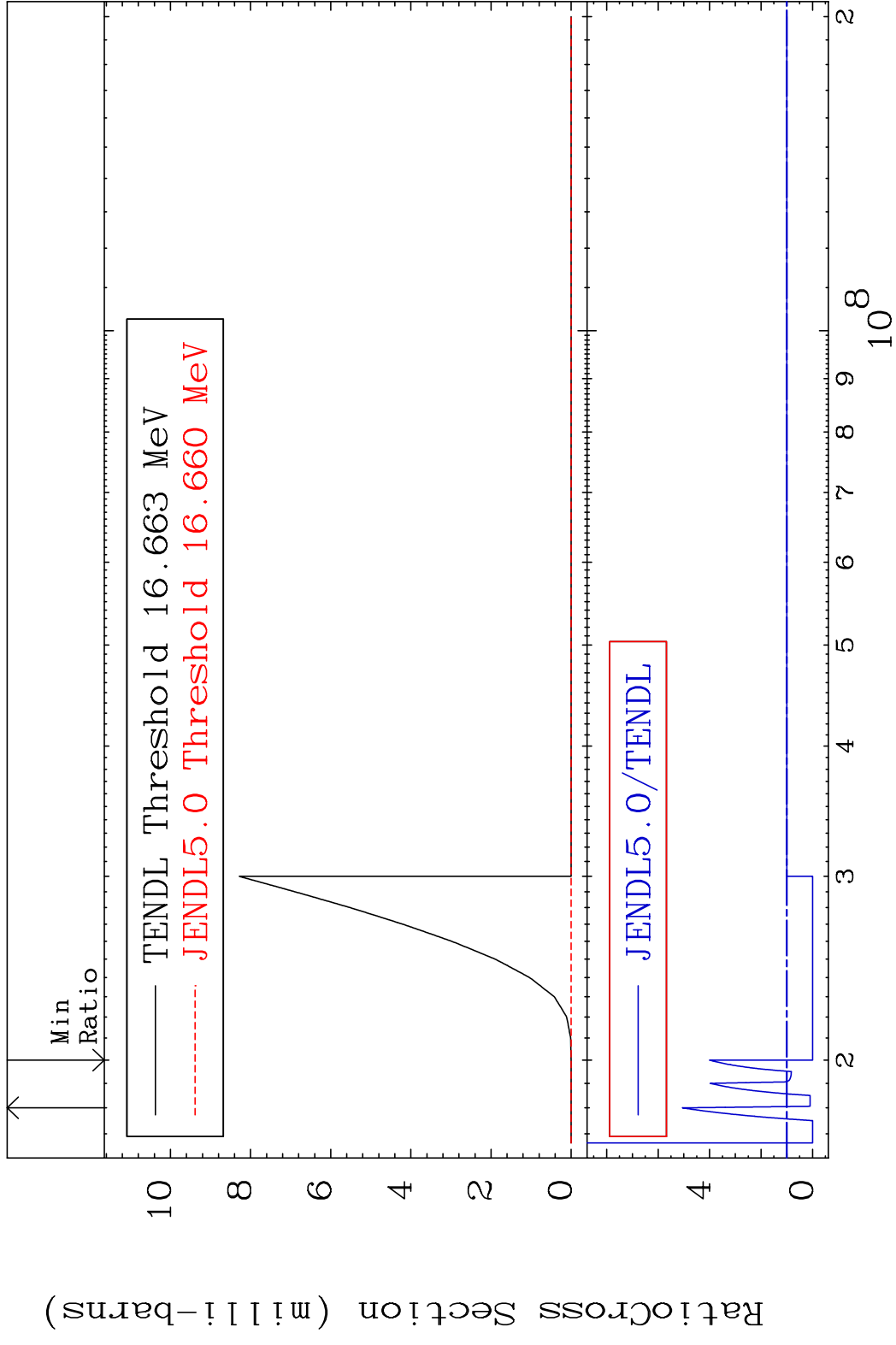


MAT 3843

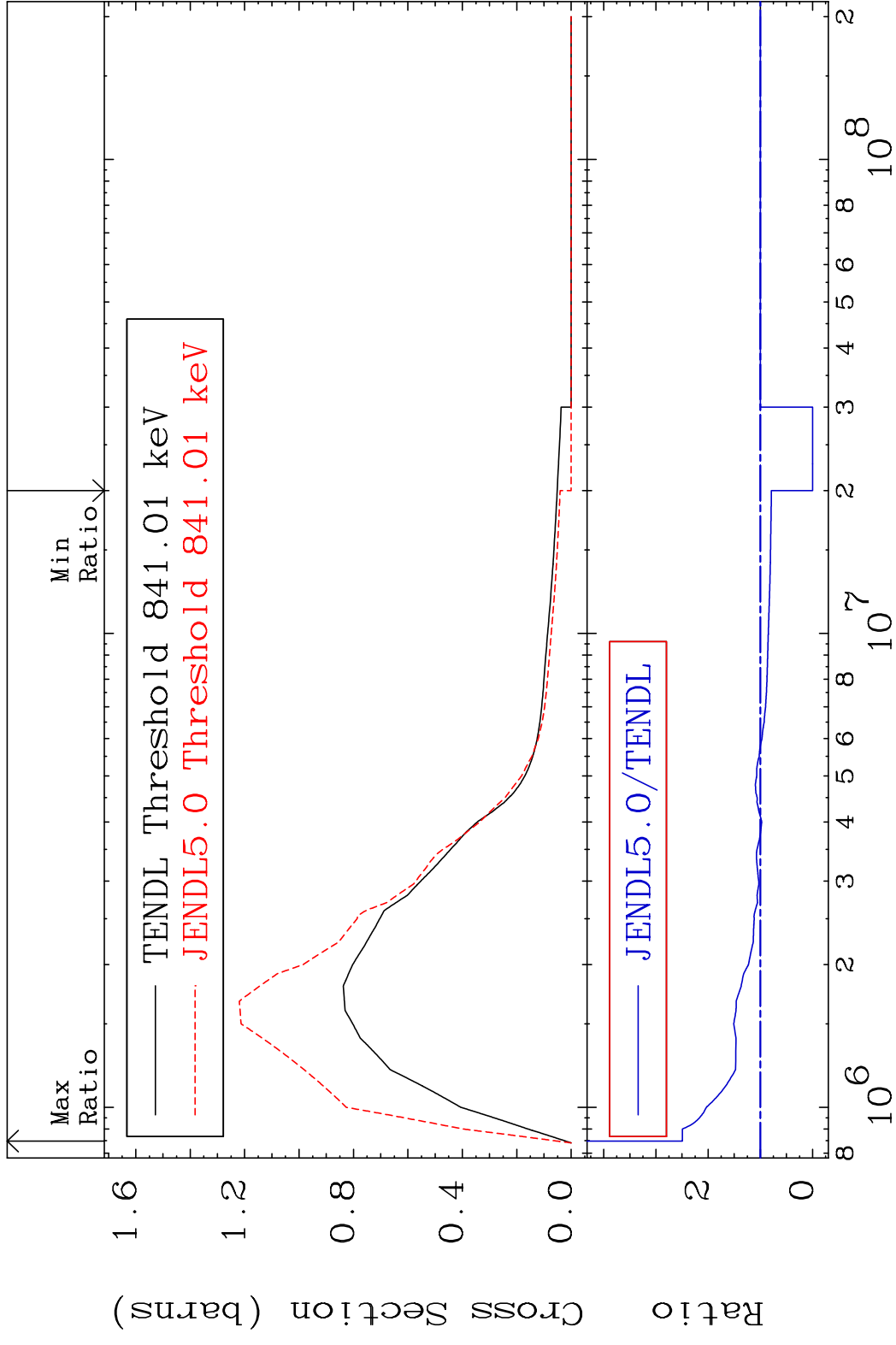
(n, n') d

38-Sr-90

Cross Section -100.0 To 405.9 %

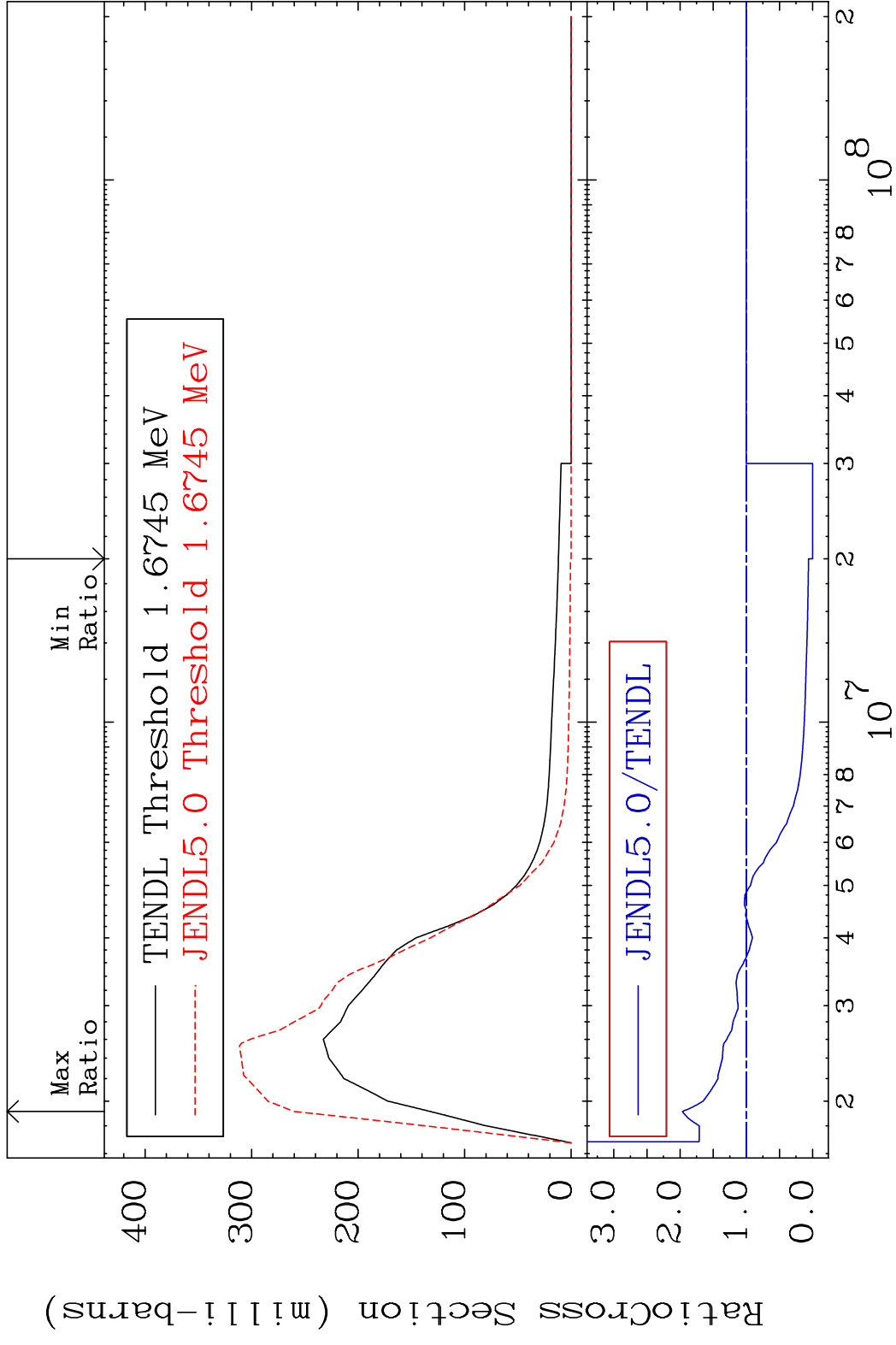


MAT 3843 MT= 51 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 149.4 %

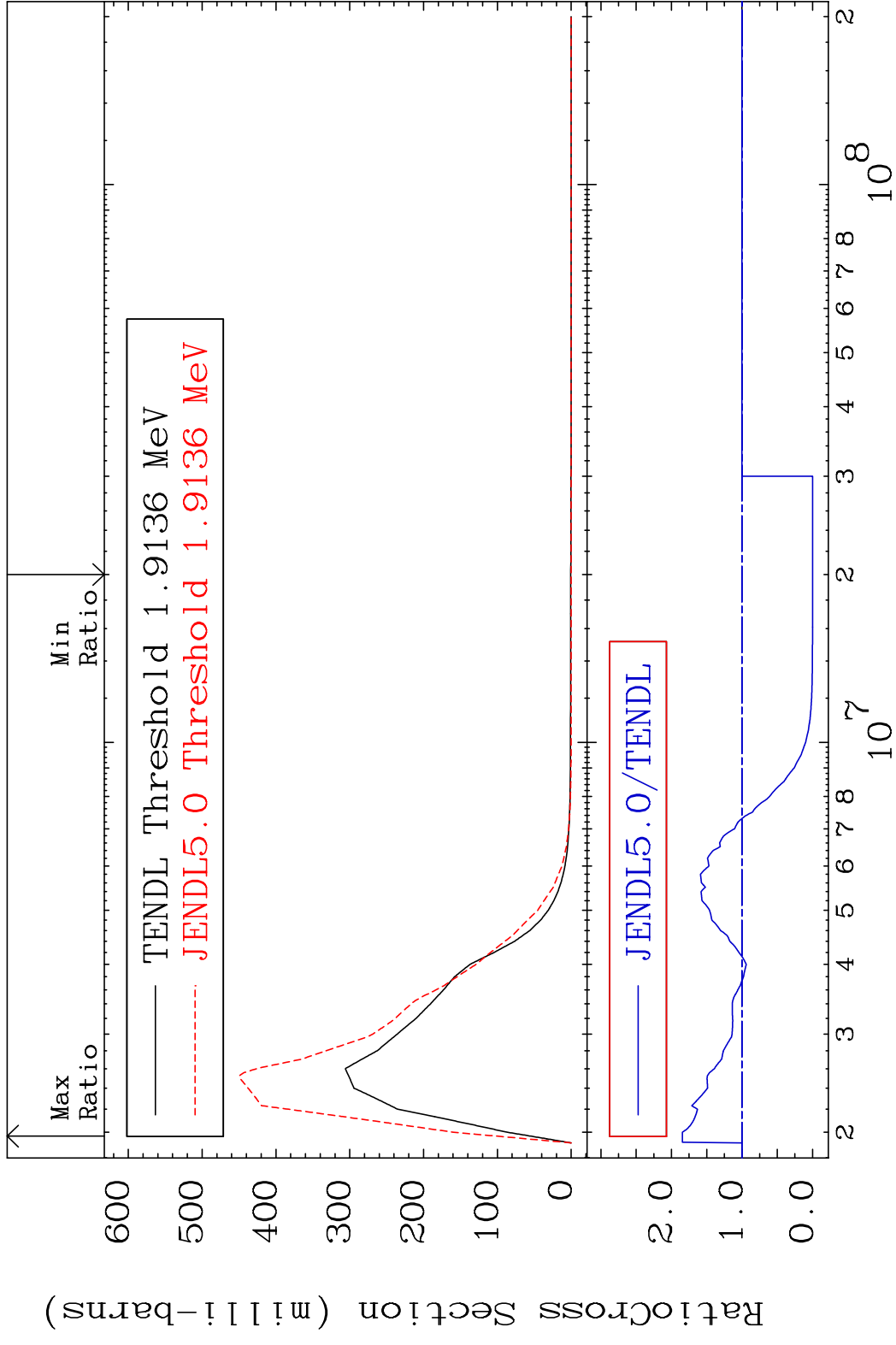


10 8 10<sup>6</sup> 2 3 4 5 6 8 10<sup>7</sup> 2 3 4 5 6 8 10<sup>8</sup> 2 38-Sr-90

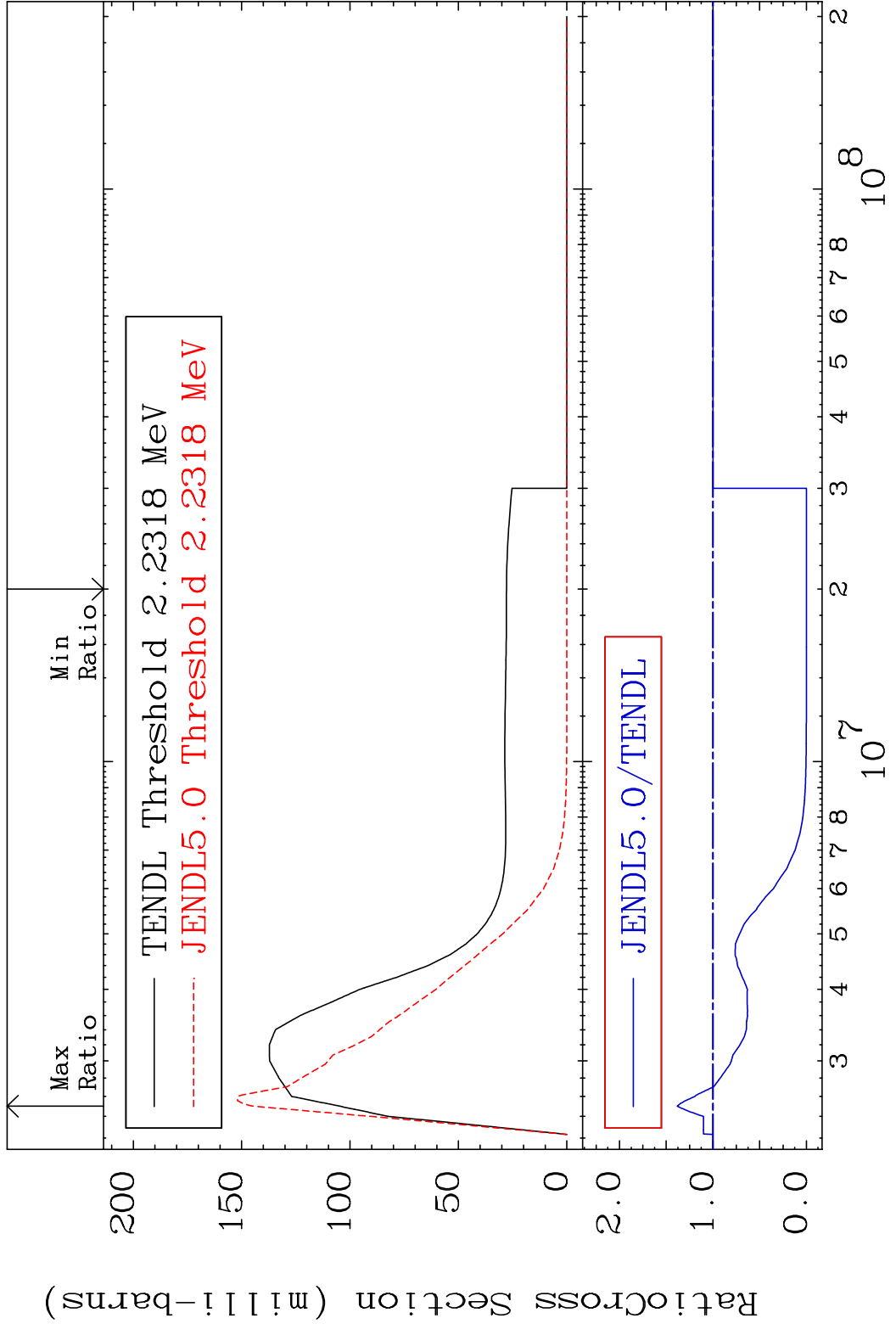
MAT 3843 MT= 52 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 96.56 %



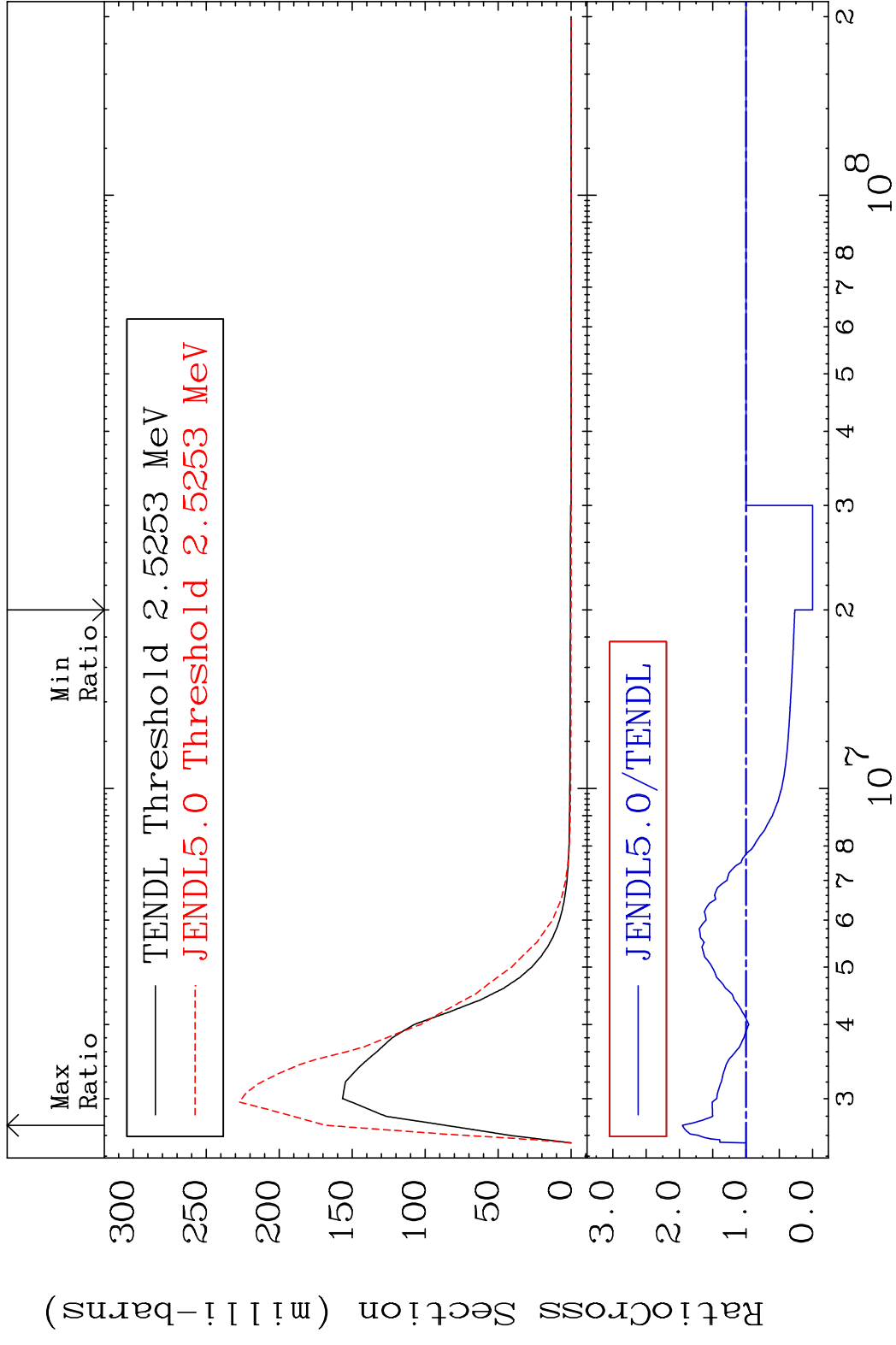
MAT 3843 MT= 53 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 84.55 %



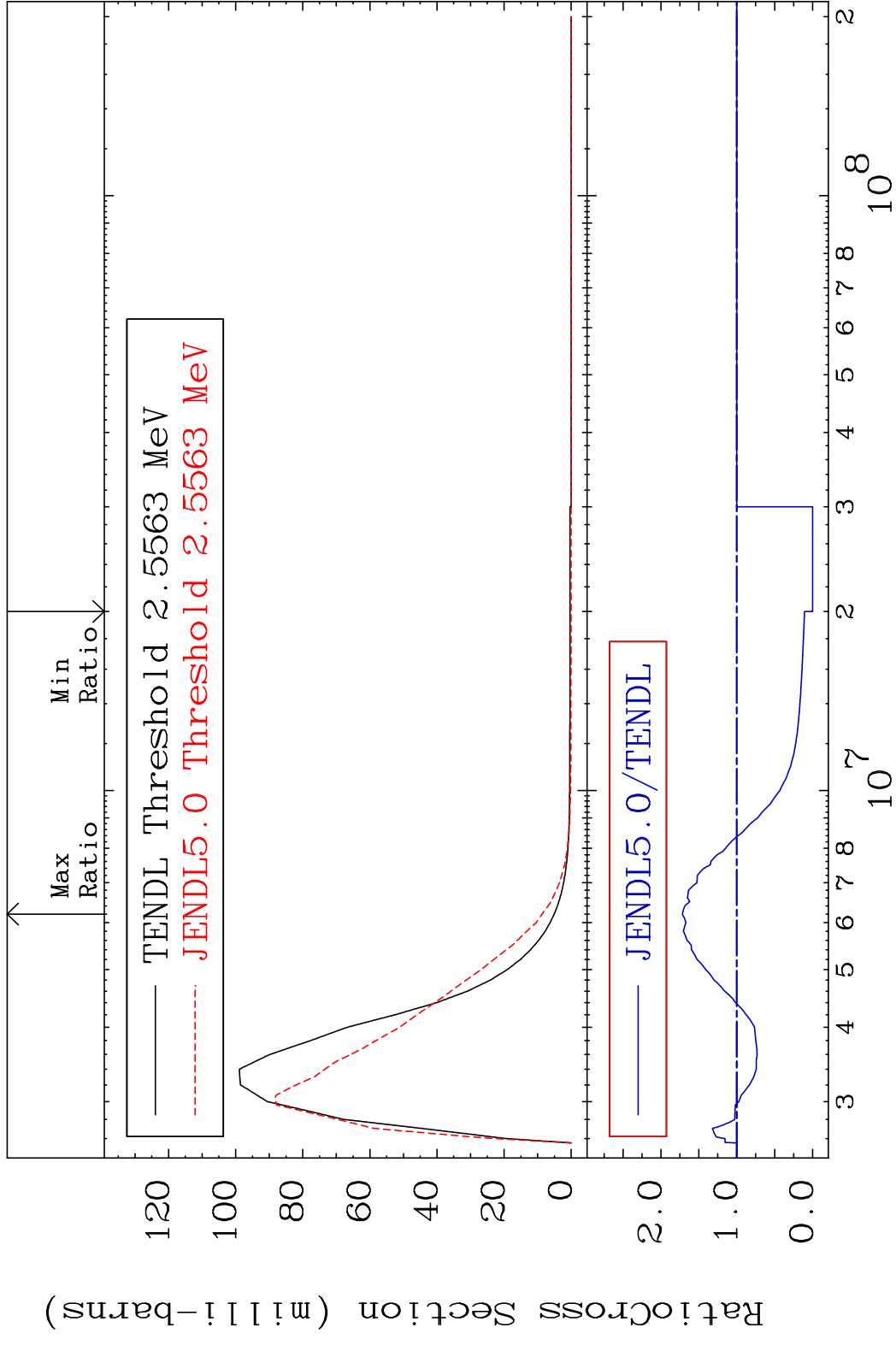
MAT 3843 MT= 54 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 38.26 %



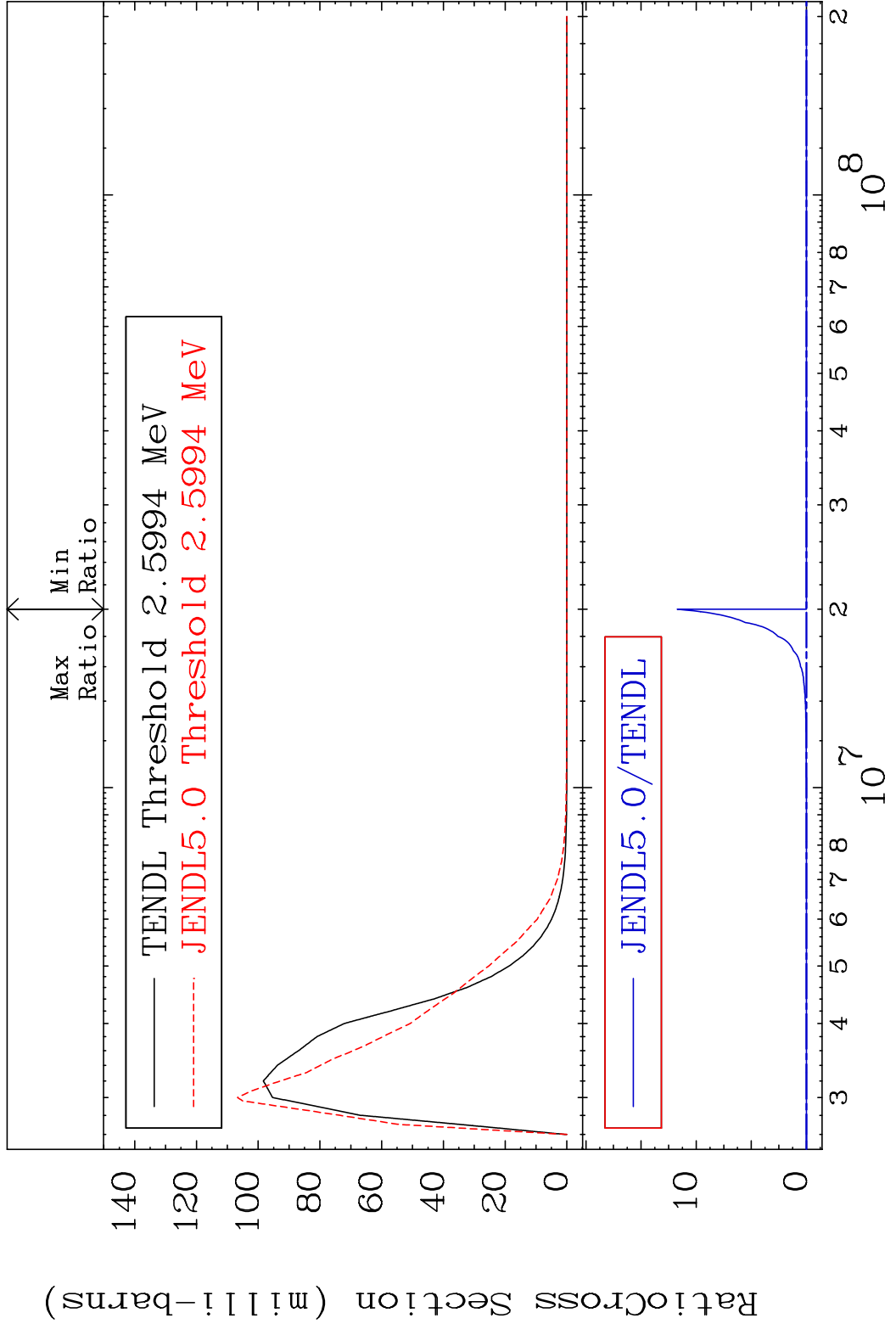
MAT 3843 MT= 55 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 95.54 %



MAT 3843 MT= 56 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 71.73 %

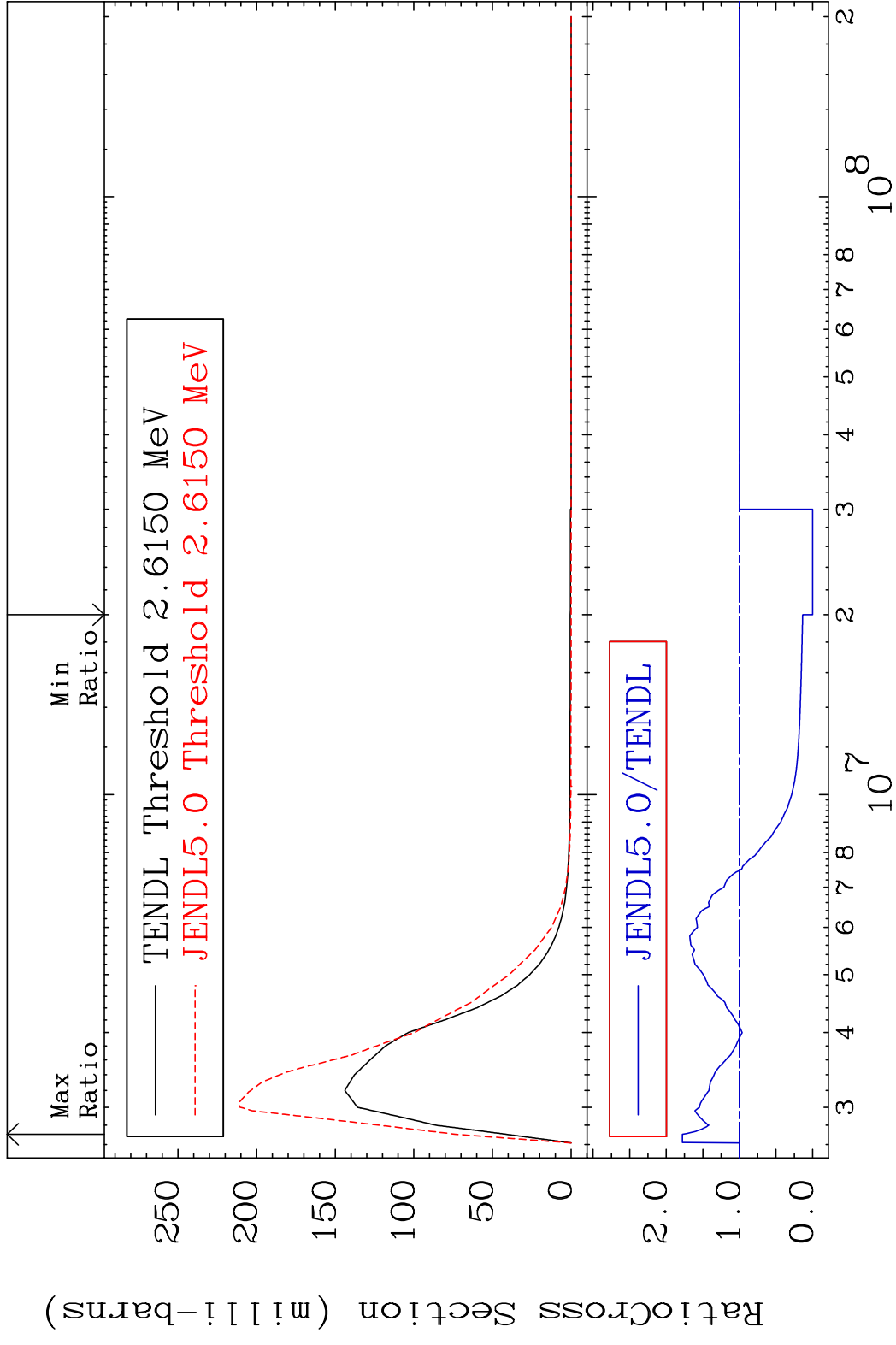


MAT 3843 MT= 57 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



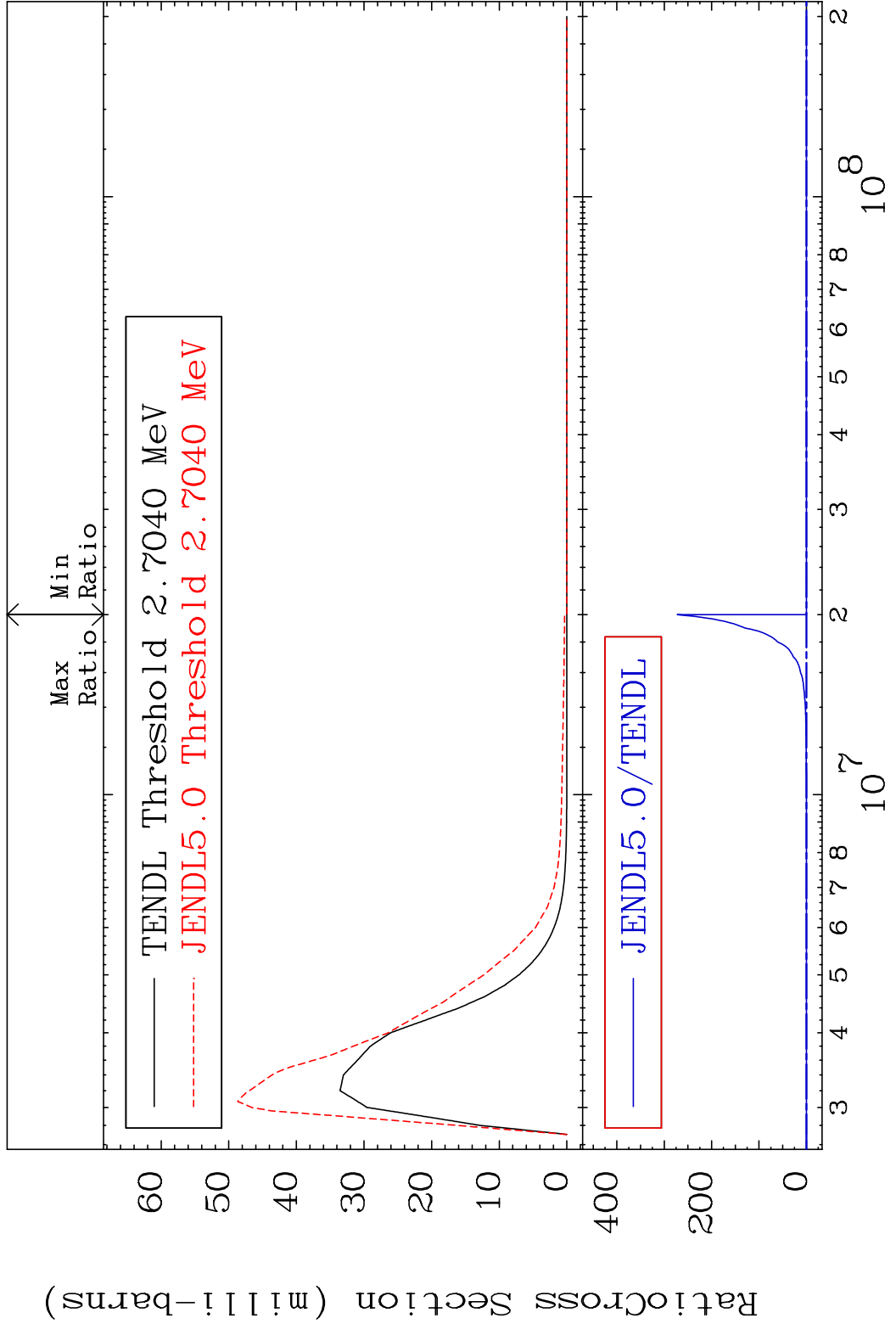
16 38-Sr-90

MAT 3843 MT= 58 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 77.96 %



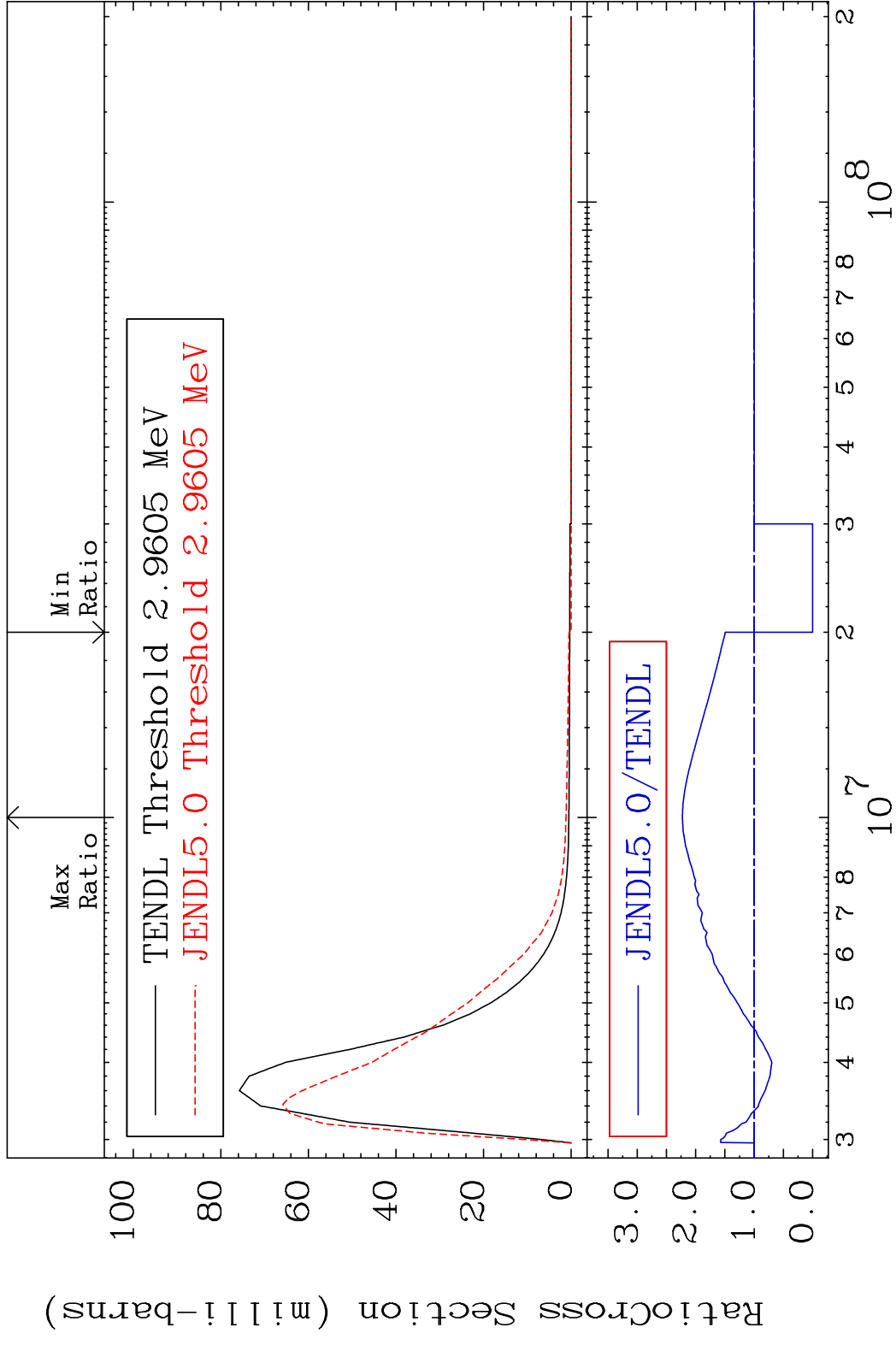
17 38-Sr-90

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

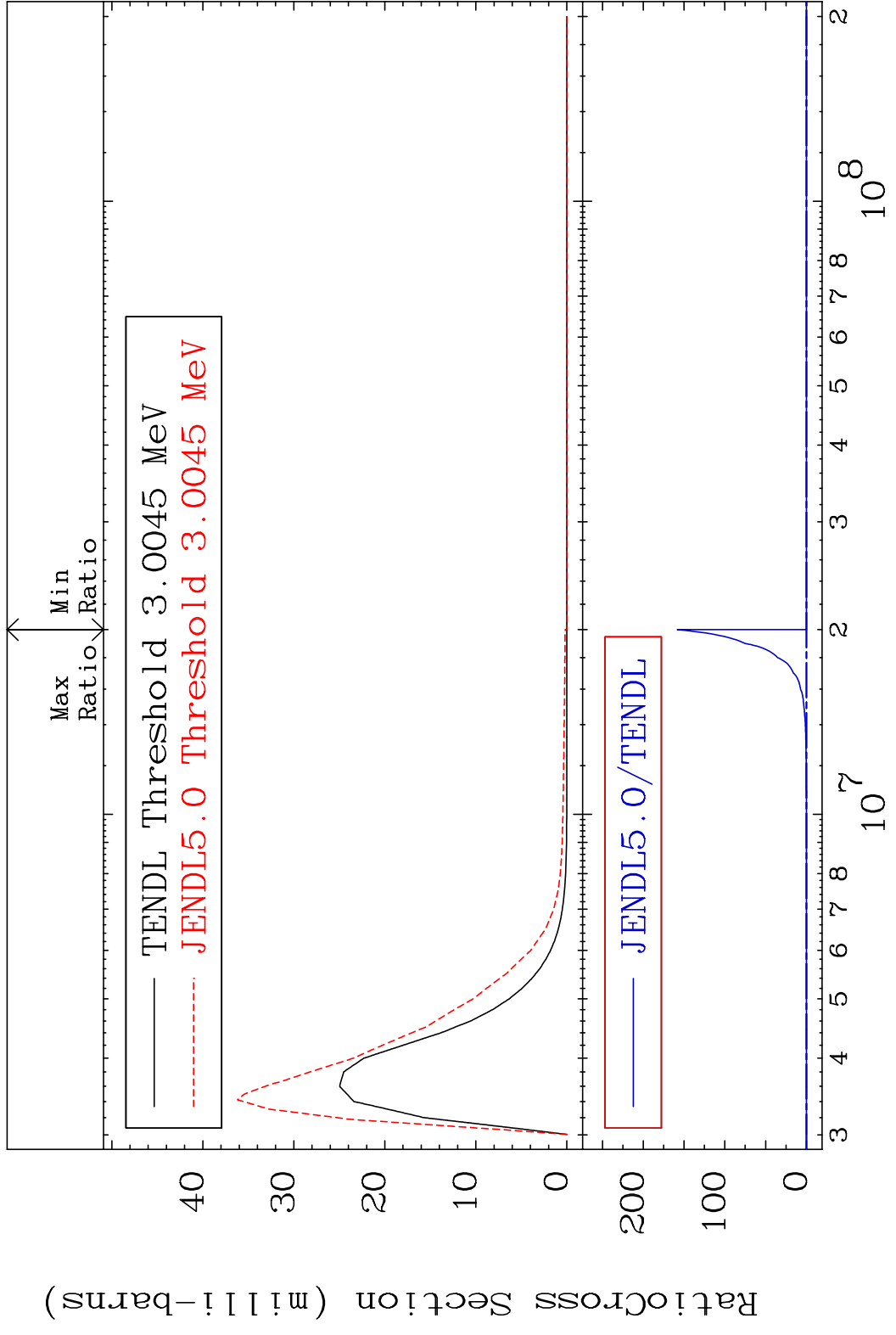


18 38-Sr-90

MAT 3843 MT= 60 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 122.8 %

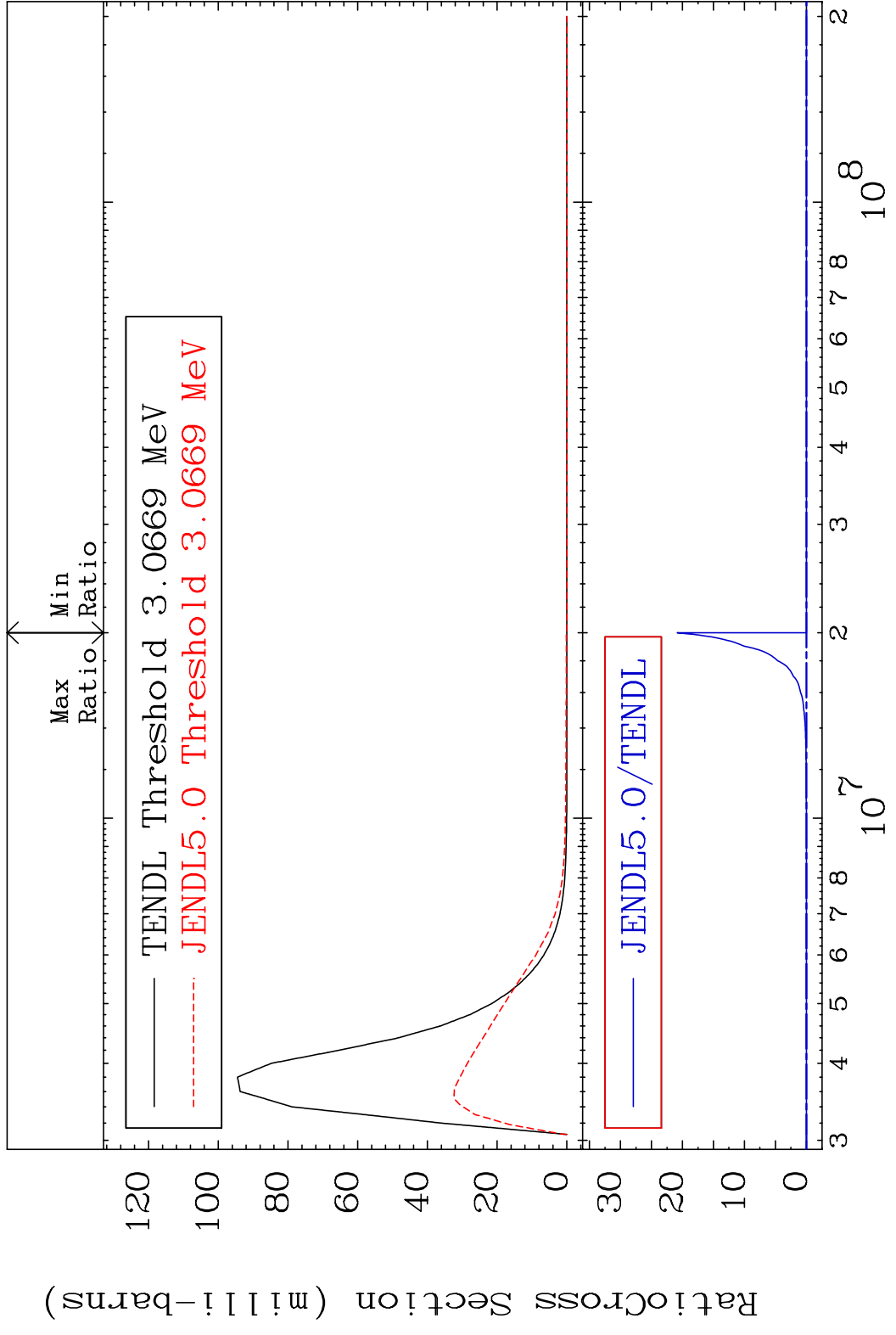


MAT 3843 MT= 61 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %

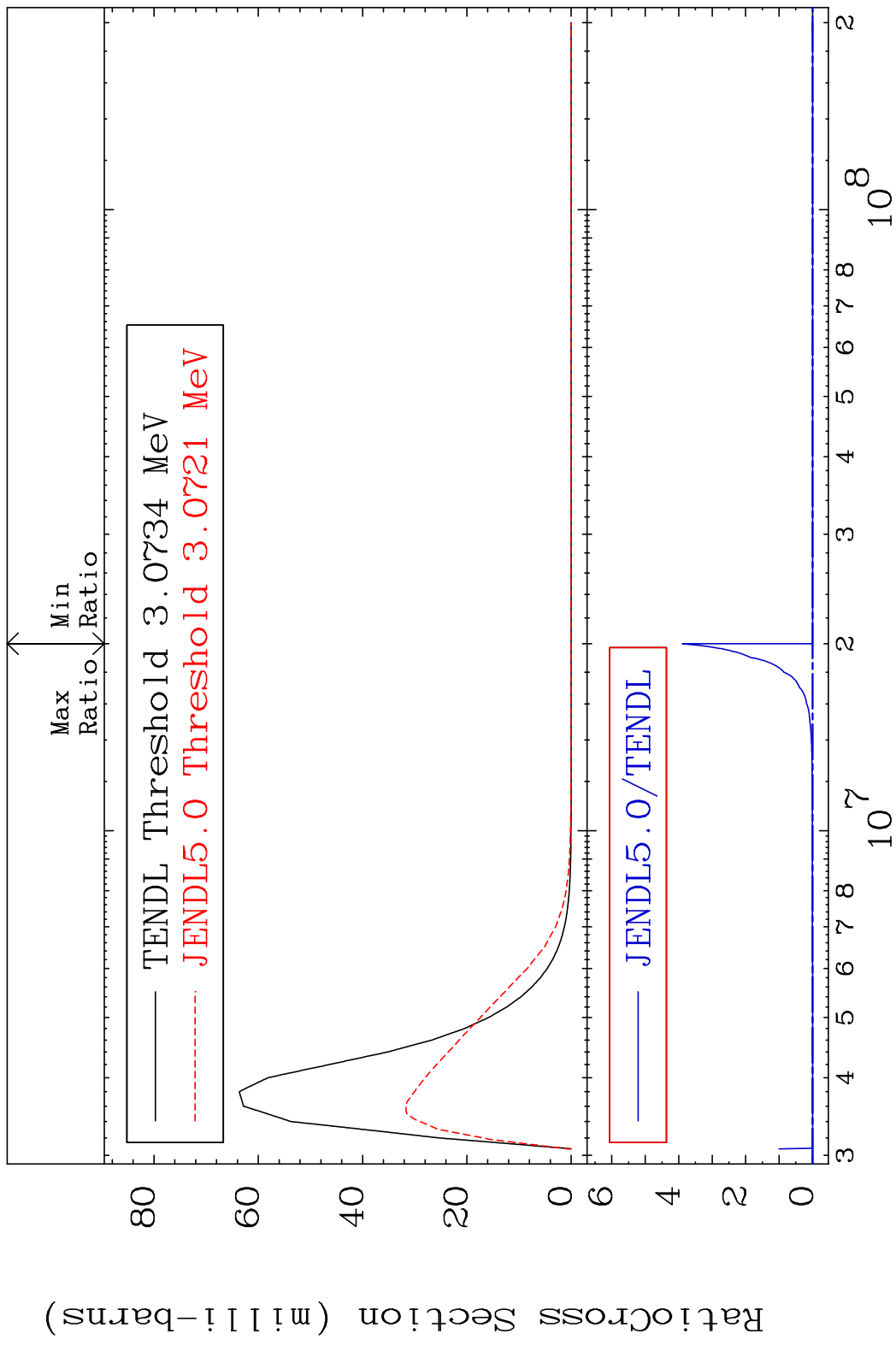


20 3 4 5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 20

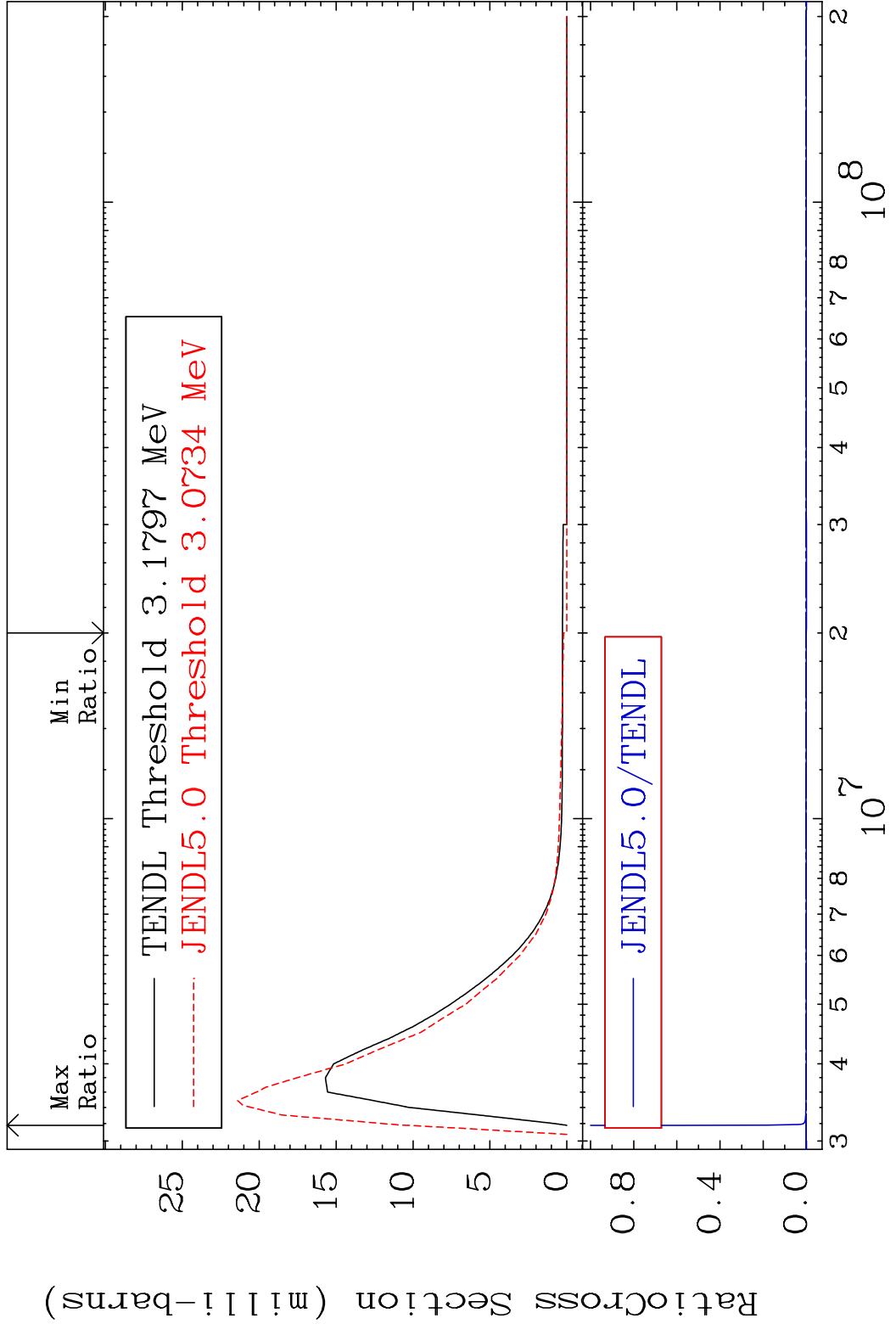
MAT 3843 MT= 62 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



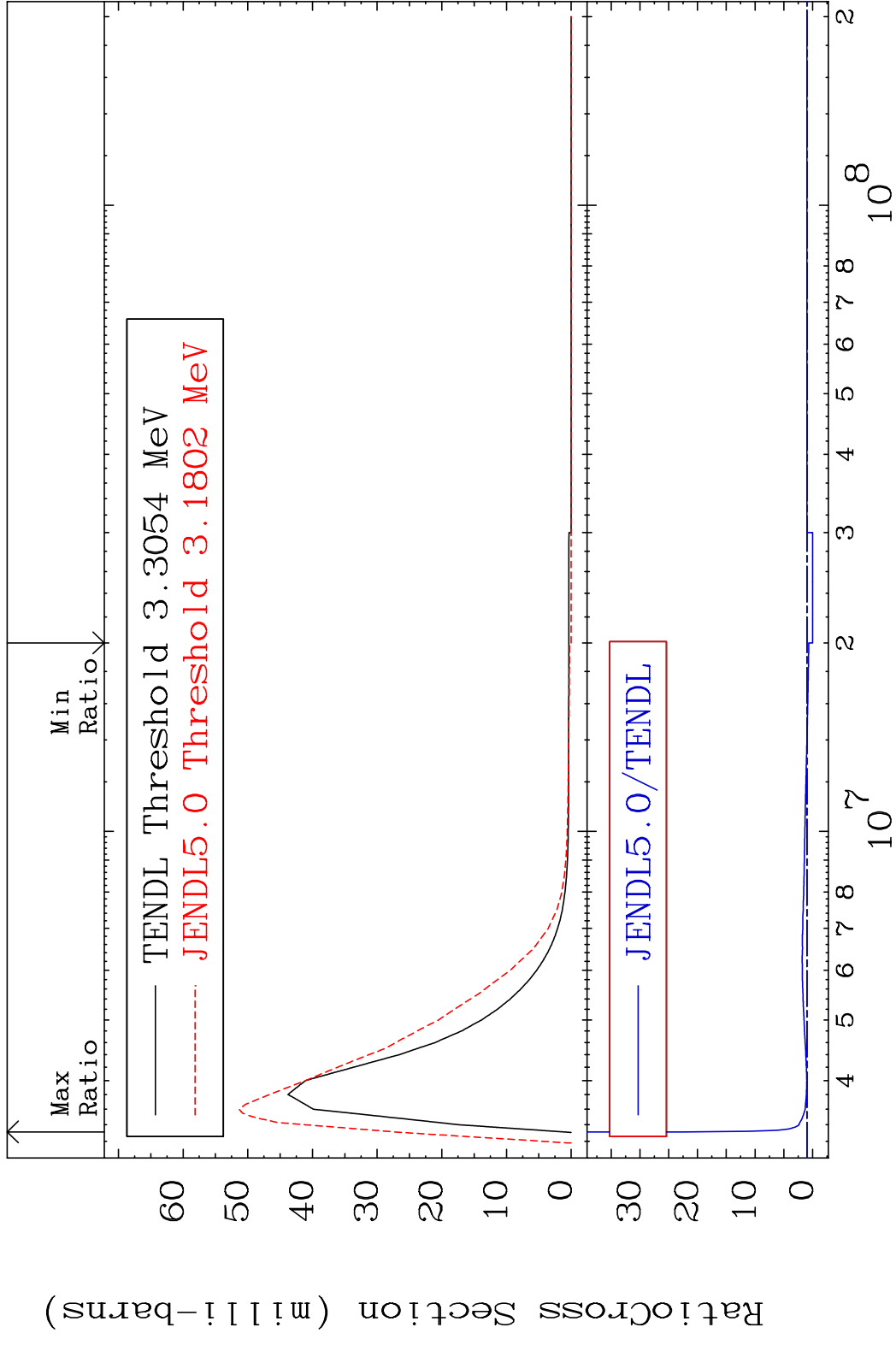
MAT 3843 MT= 63 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



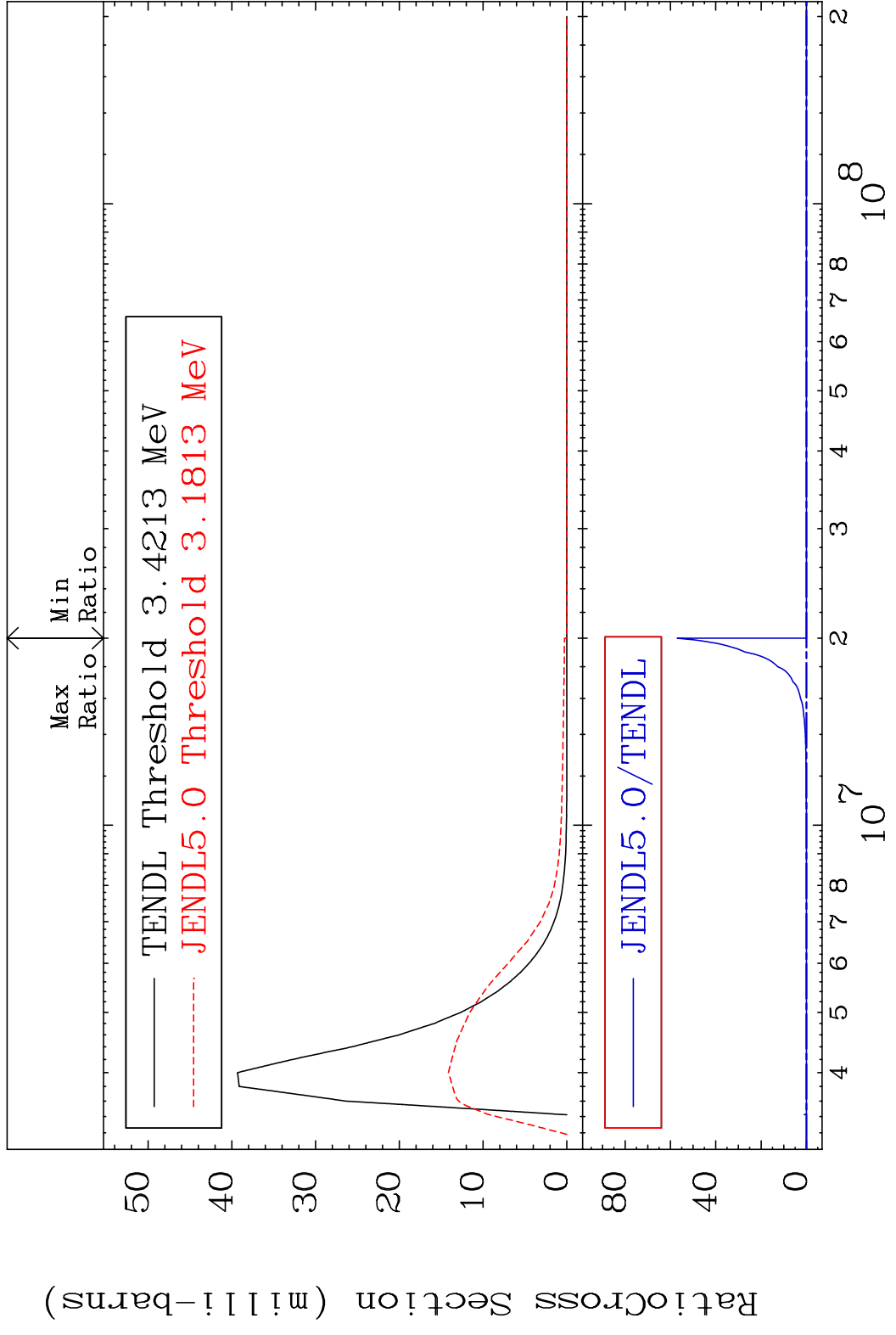
MAT 3843 MT= 64 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



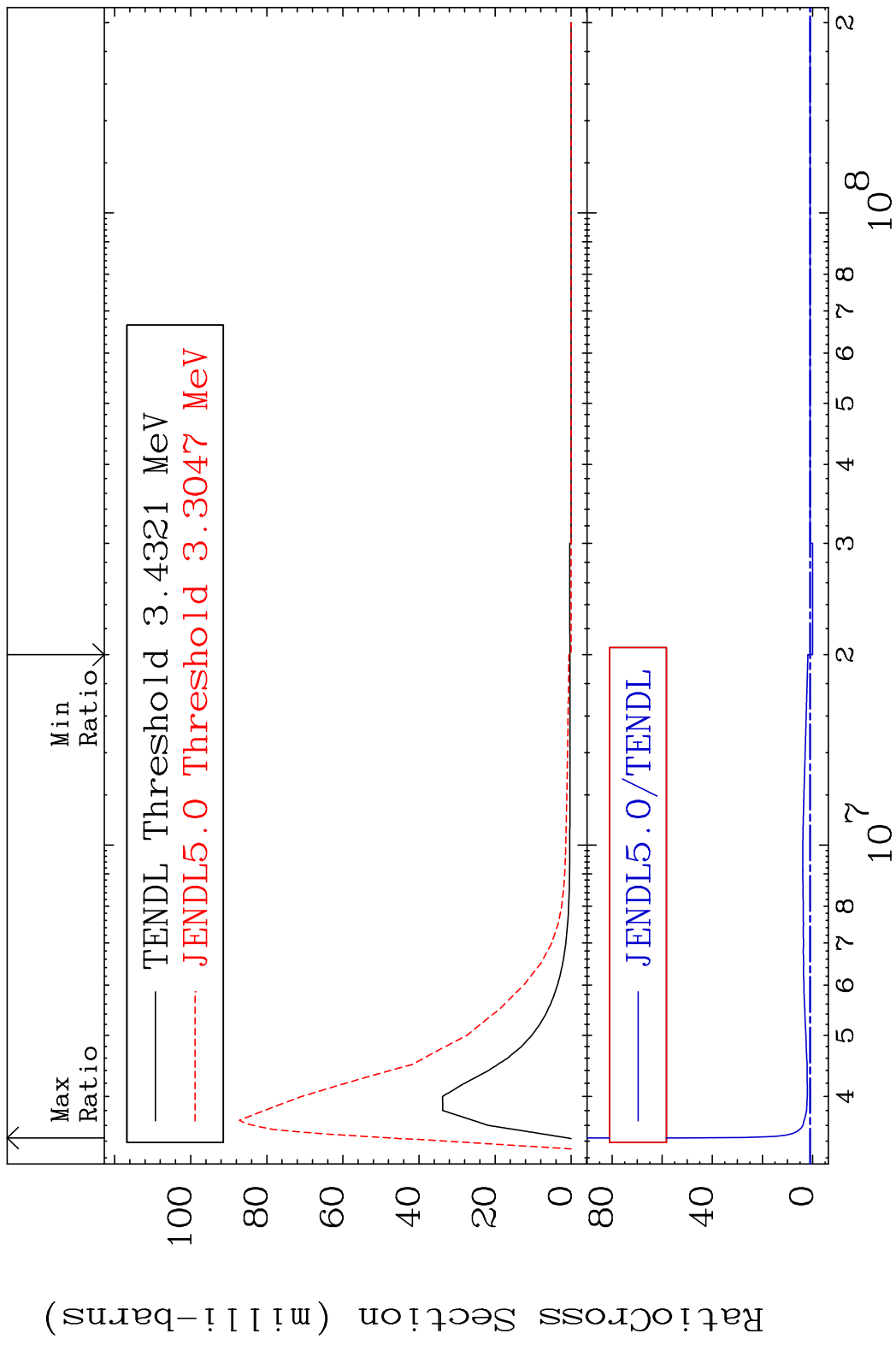
MAT 3843 MT= 65 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 2163. %



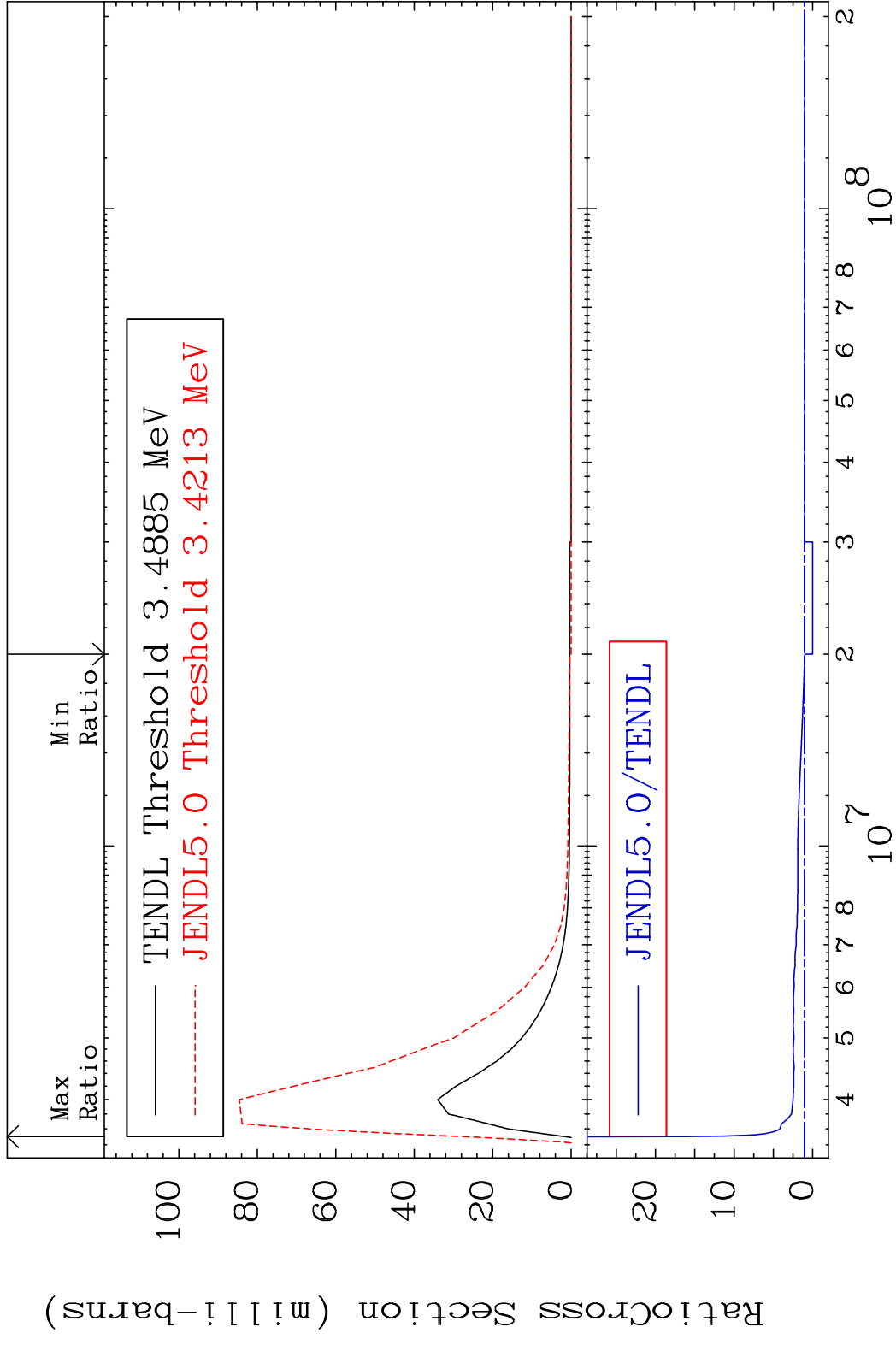
MAT 3843 MT= 66 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



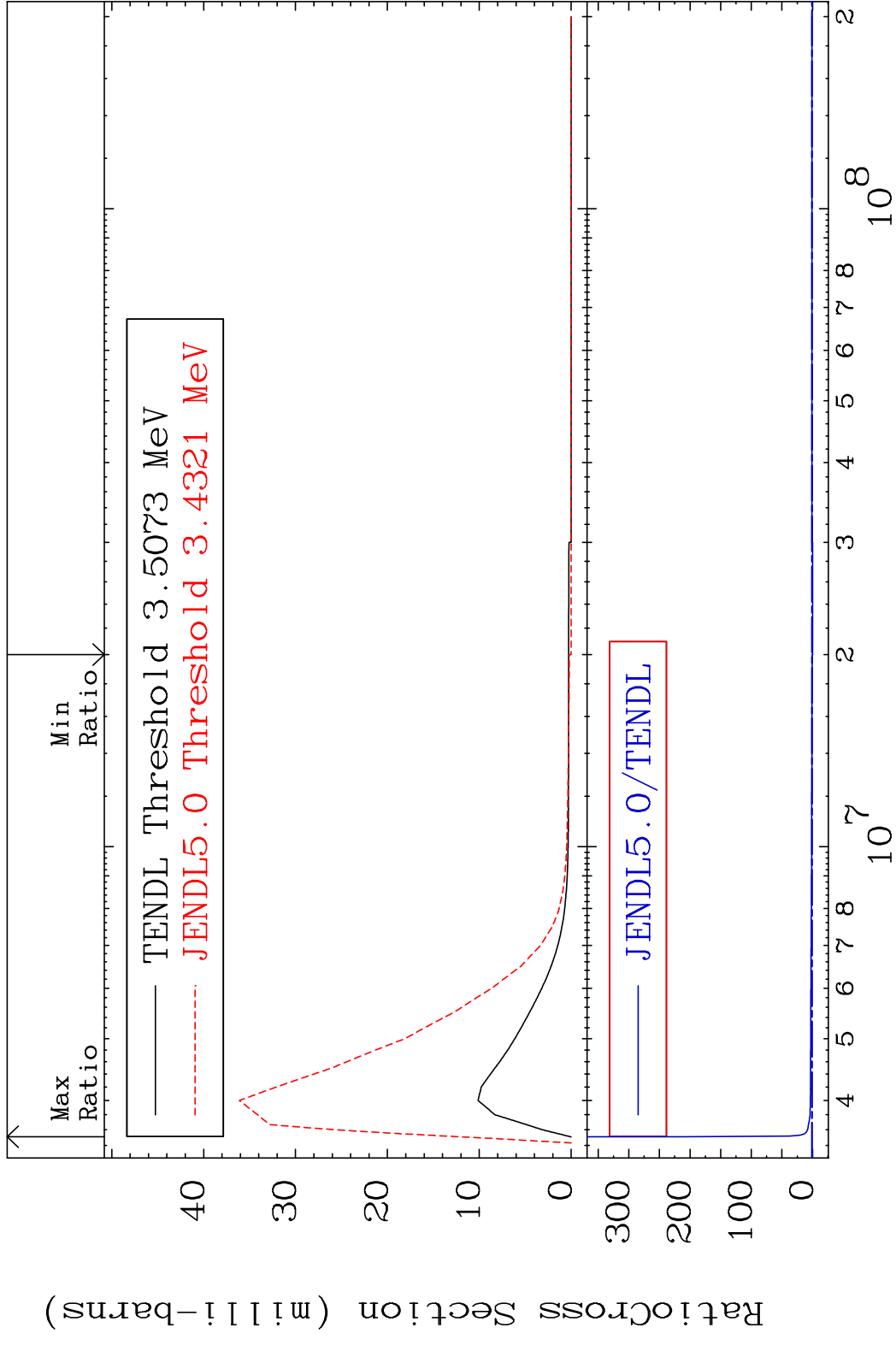
MAT 3843 MT= 67 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 5096. %



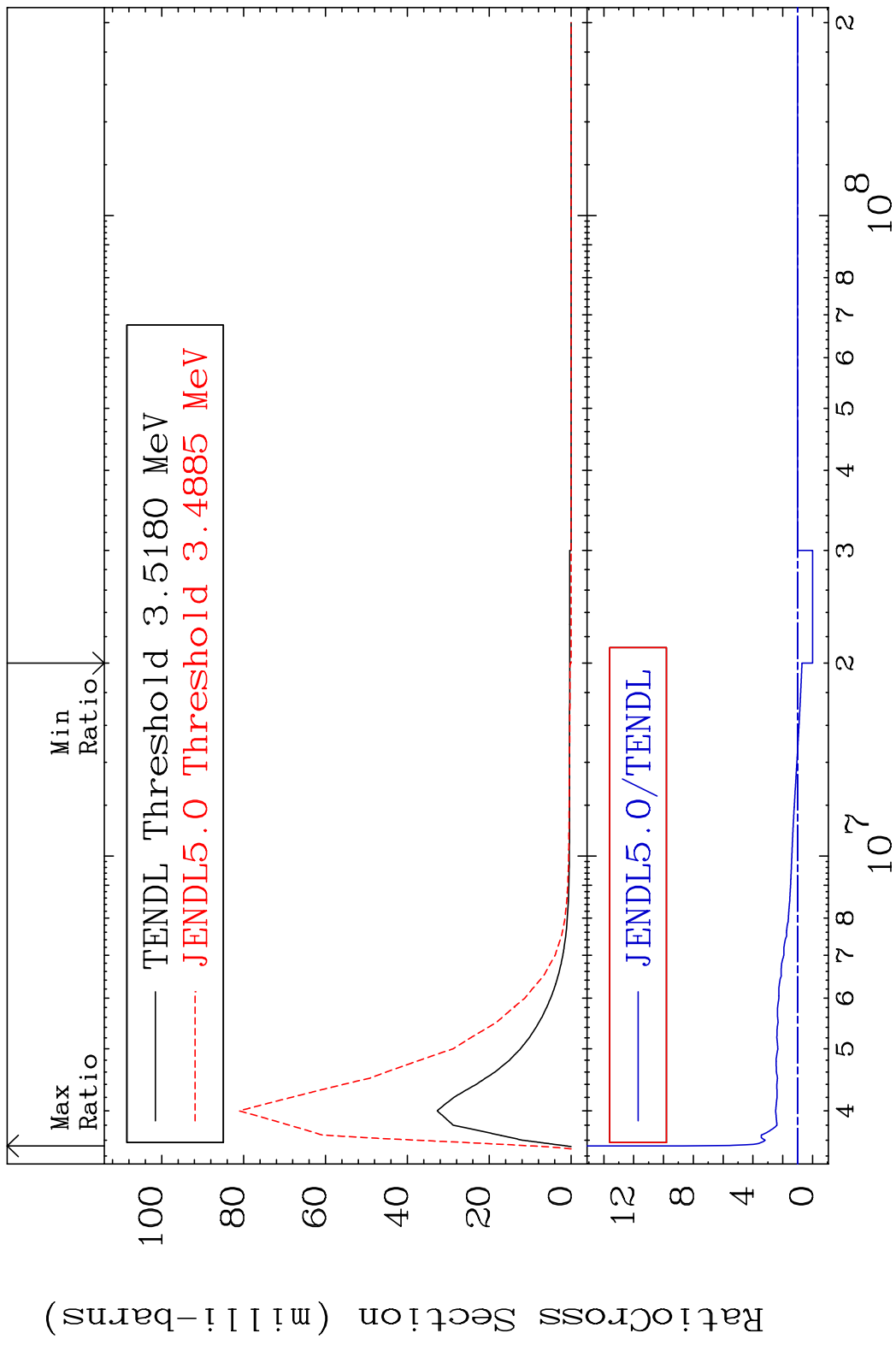
MAT 3843 MT= 68 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 1559. %



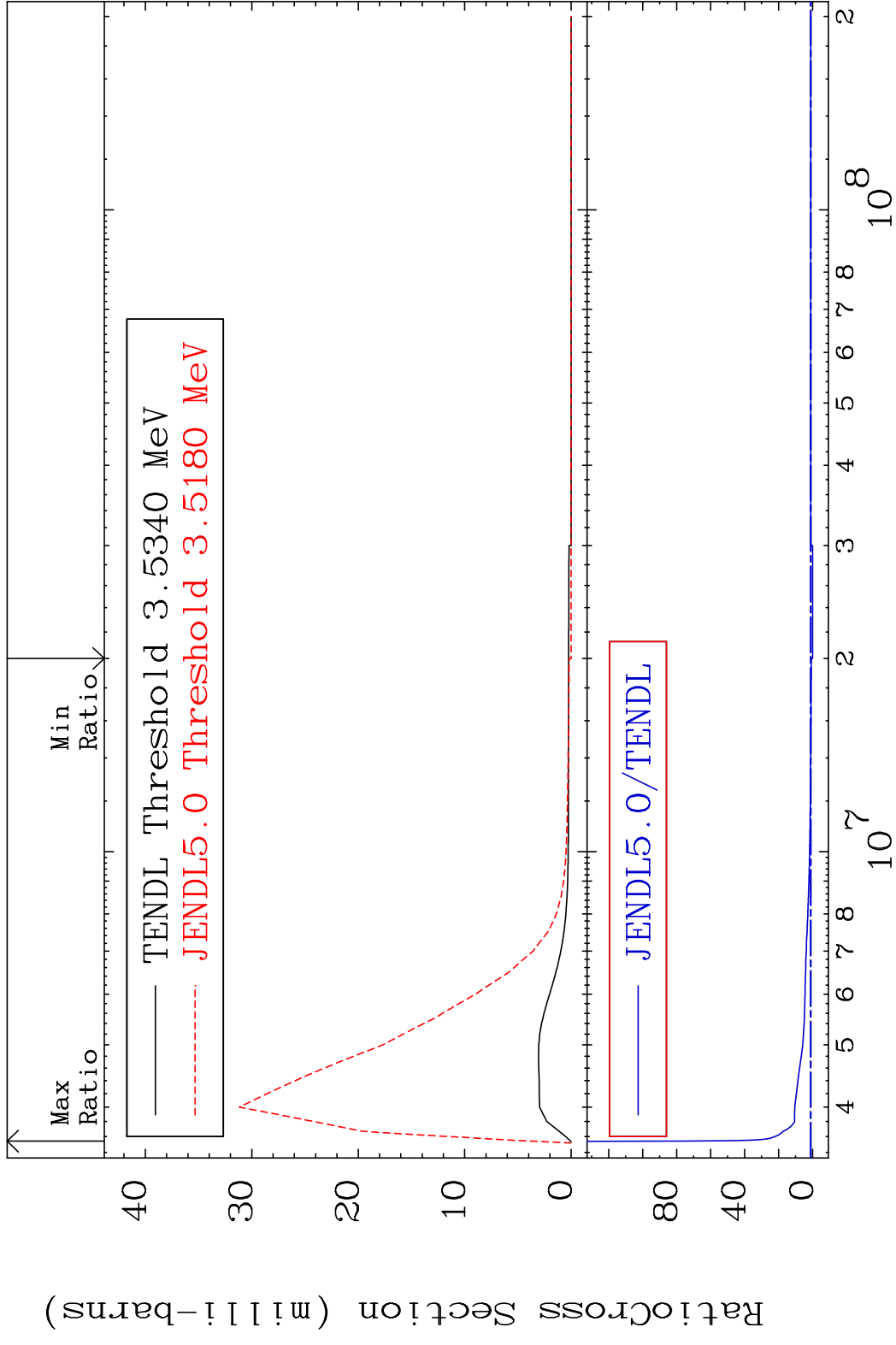
MAT 3843 MT= 69 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



MAT 3843 MT= 70 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 773.3 %

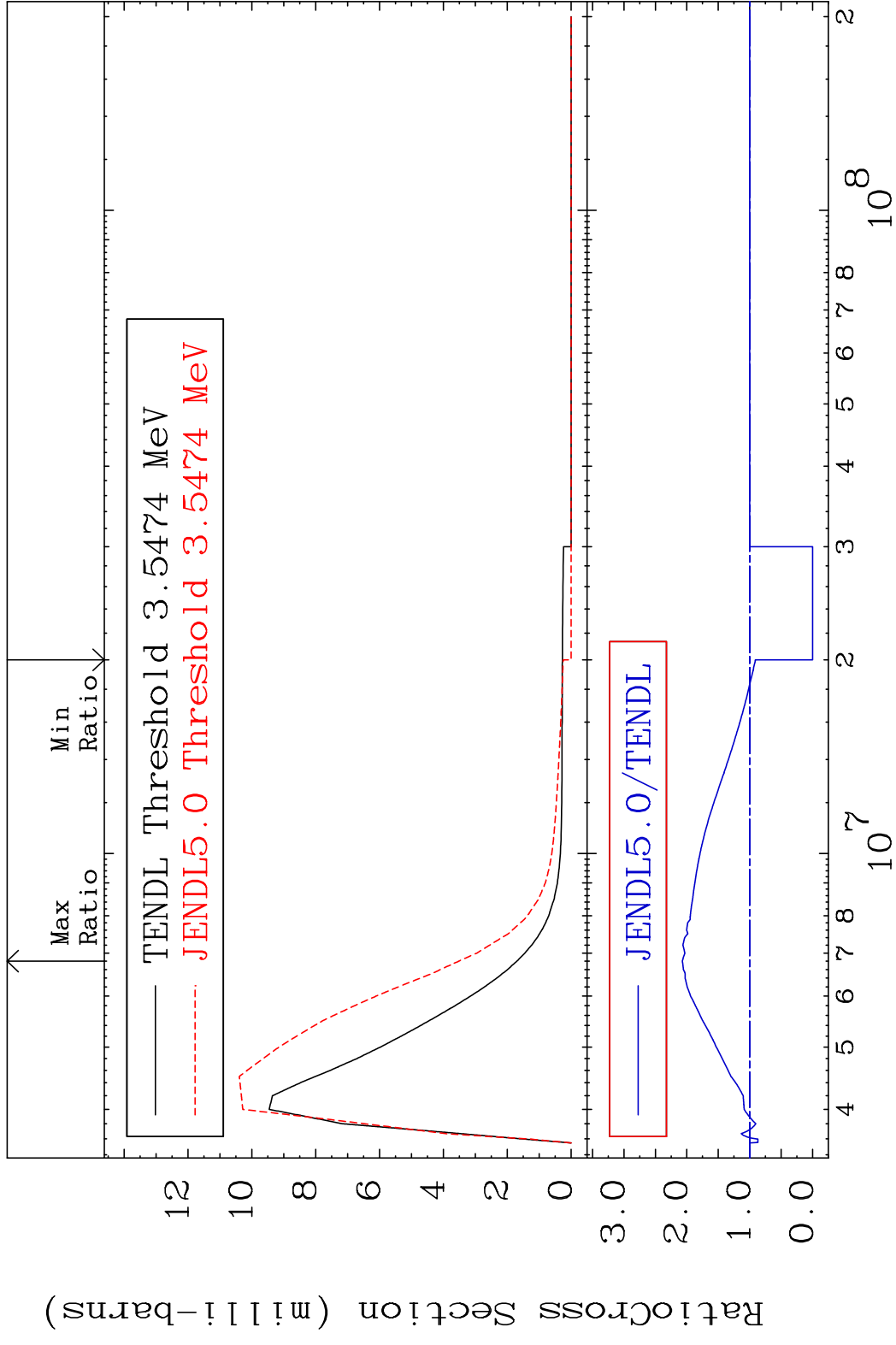


MAT 3843 MT= 71 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 7563. %

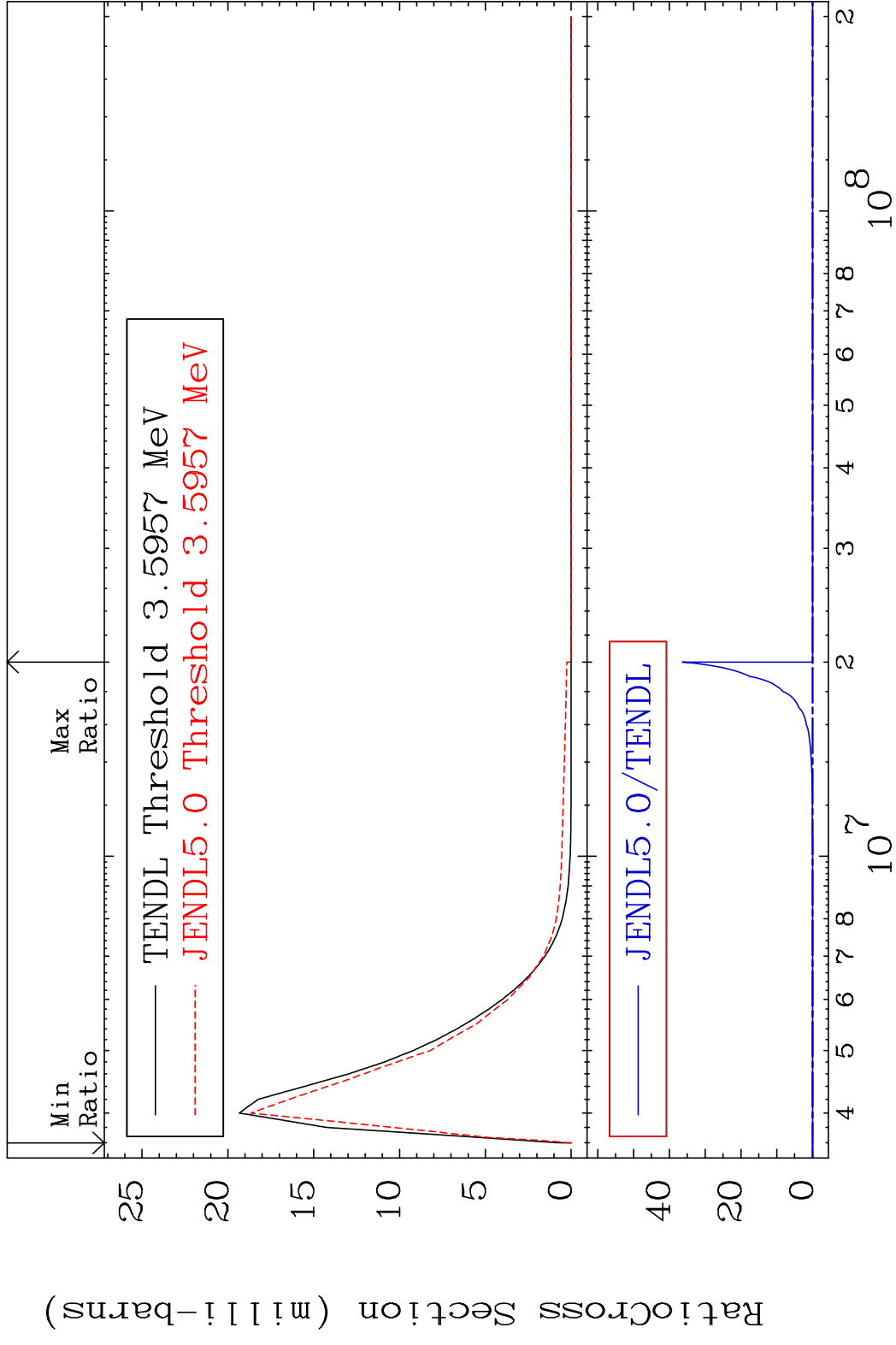


30 Incident Energy (eV) 38-Sr-90

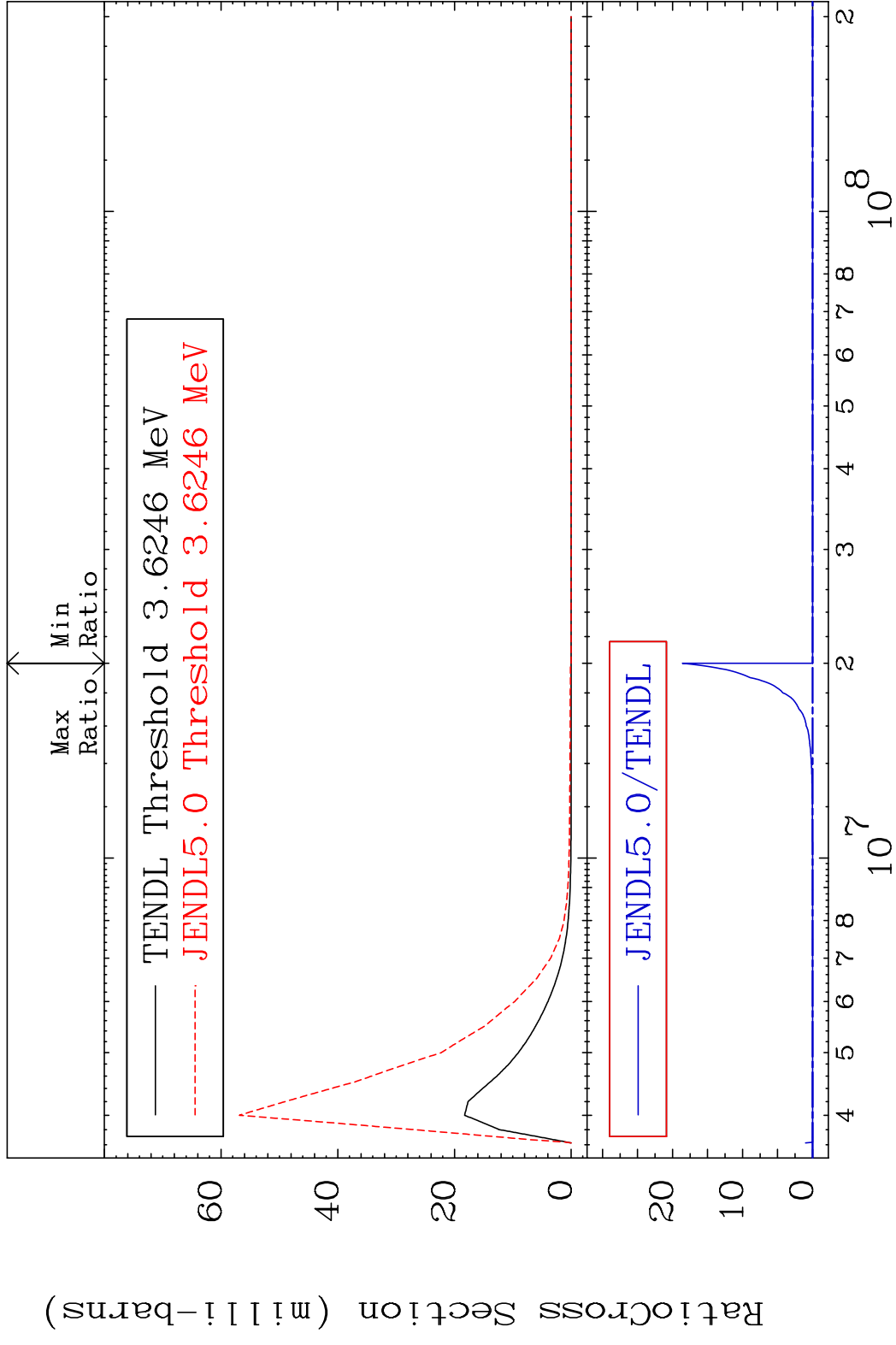
MAT 3843 MT= 72 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 107.1 %



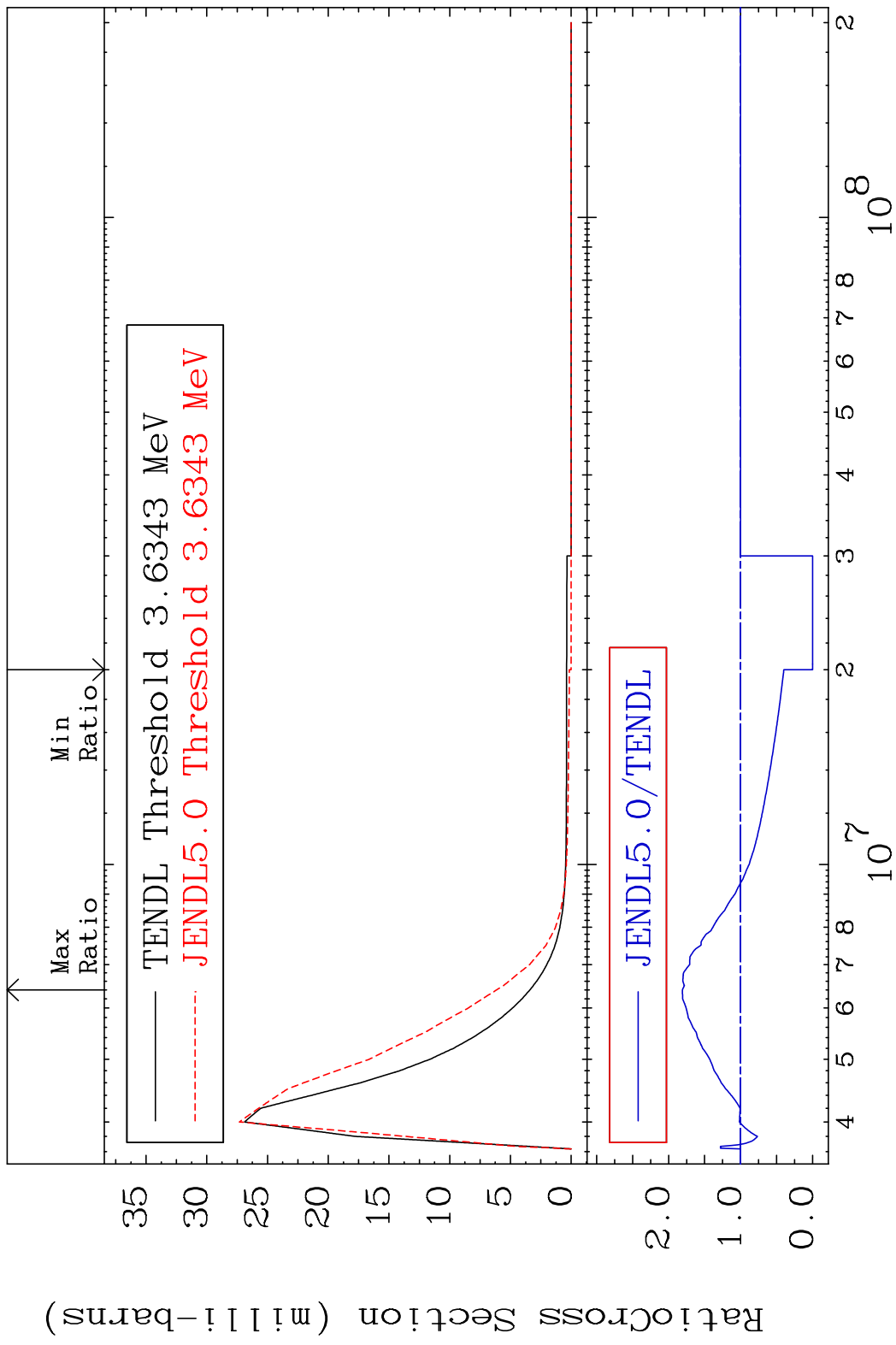
MAT 3843 MT= 73 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



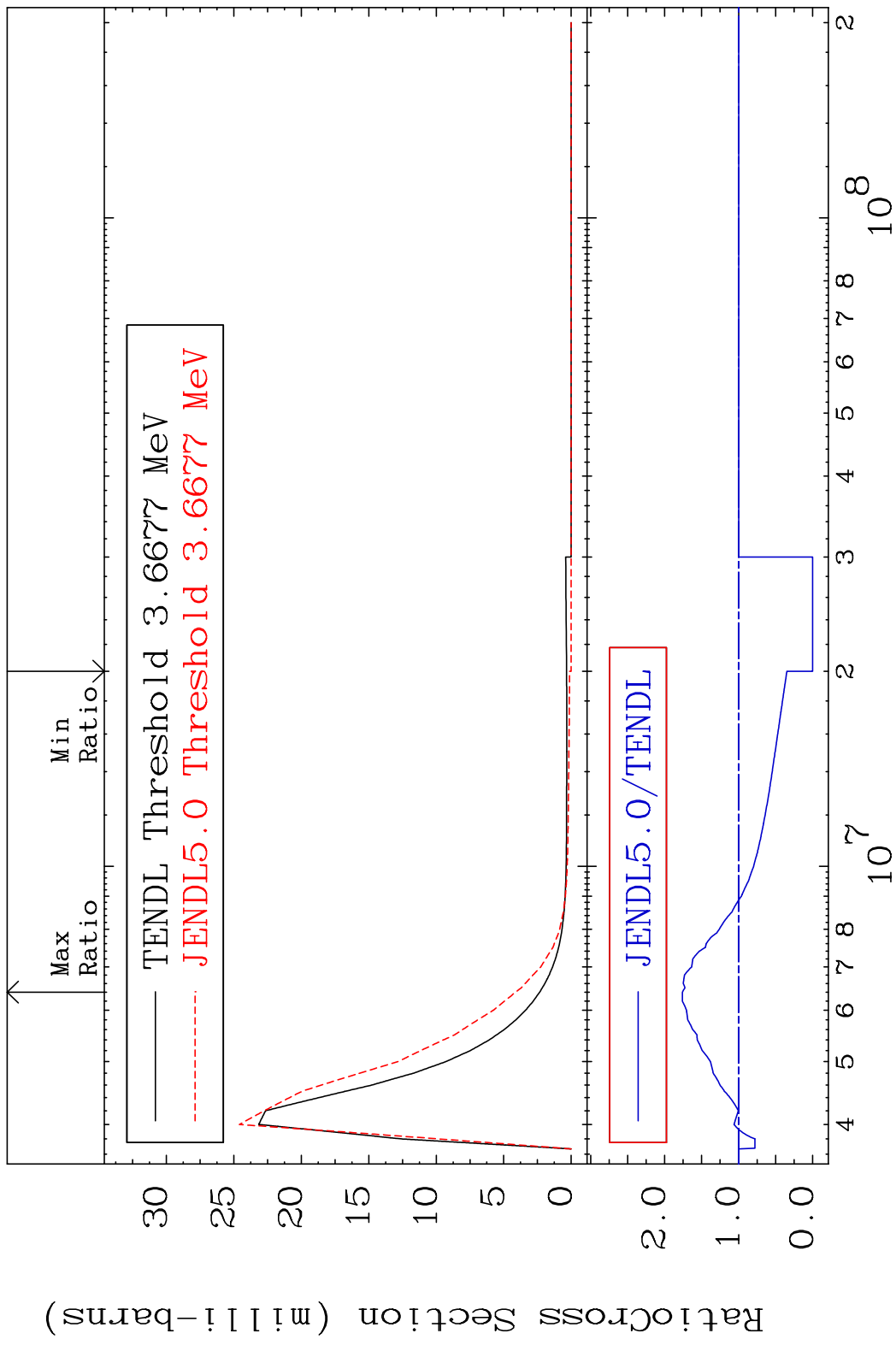
MAT 3843 MT= 74 (n, n') Level 38-Sr-90  
 Cross Section -100.0 To 9999. %



MAT 3843 MT= 75 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 80.91 %



MAT 3843 MT= 76 (n,n') Level 38-Sr-90  
 Cross Section -100.0 To 76.08 %

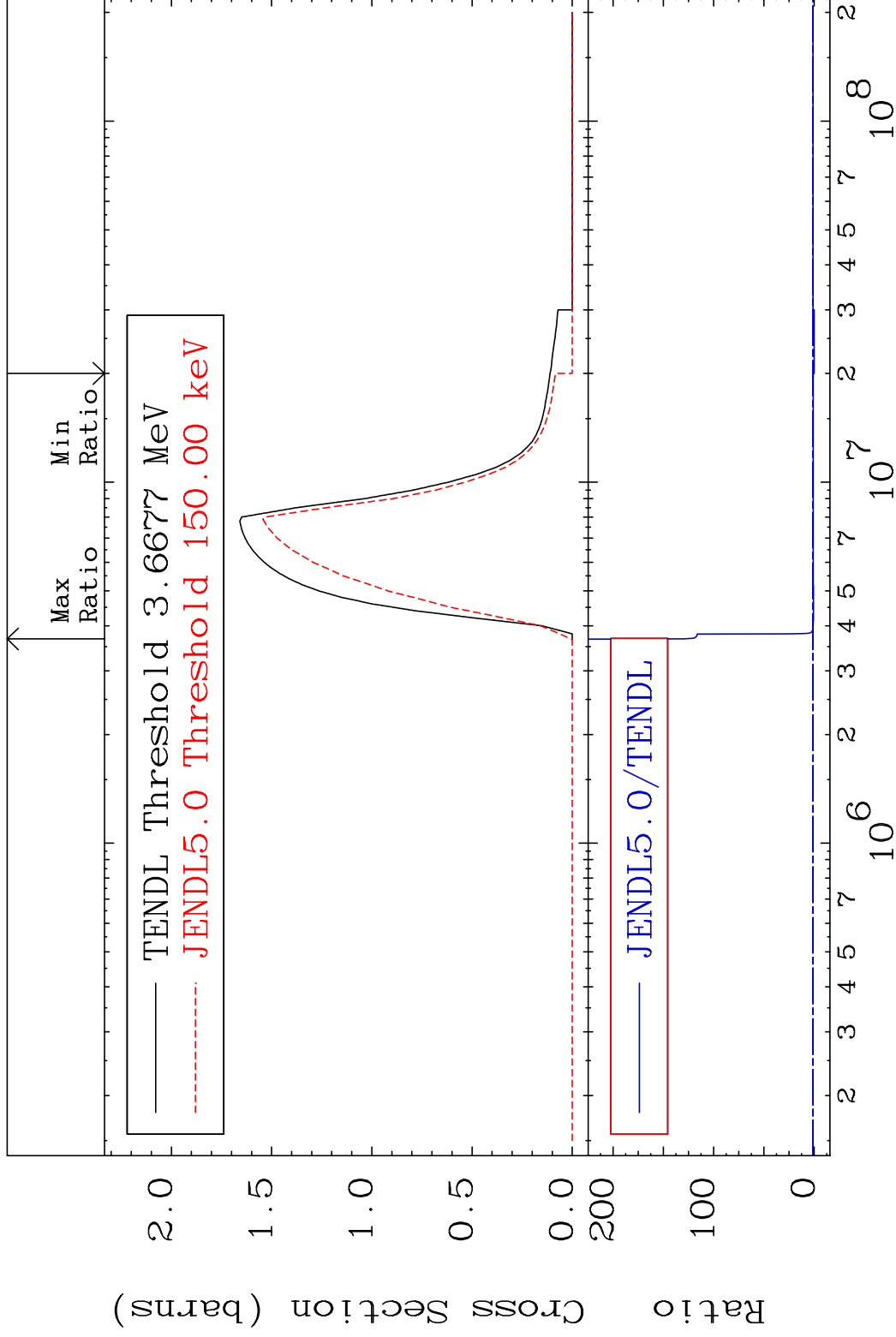


MAT 3843

(n,n') Continuum

38-Sr-90

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

38-Sr-90

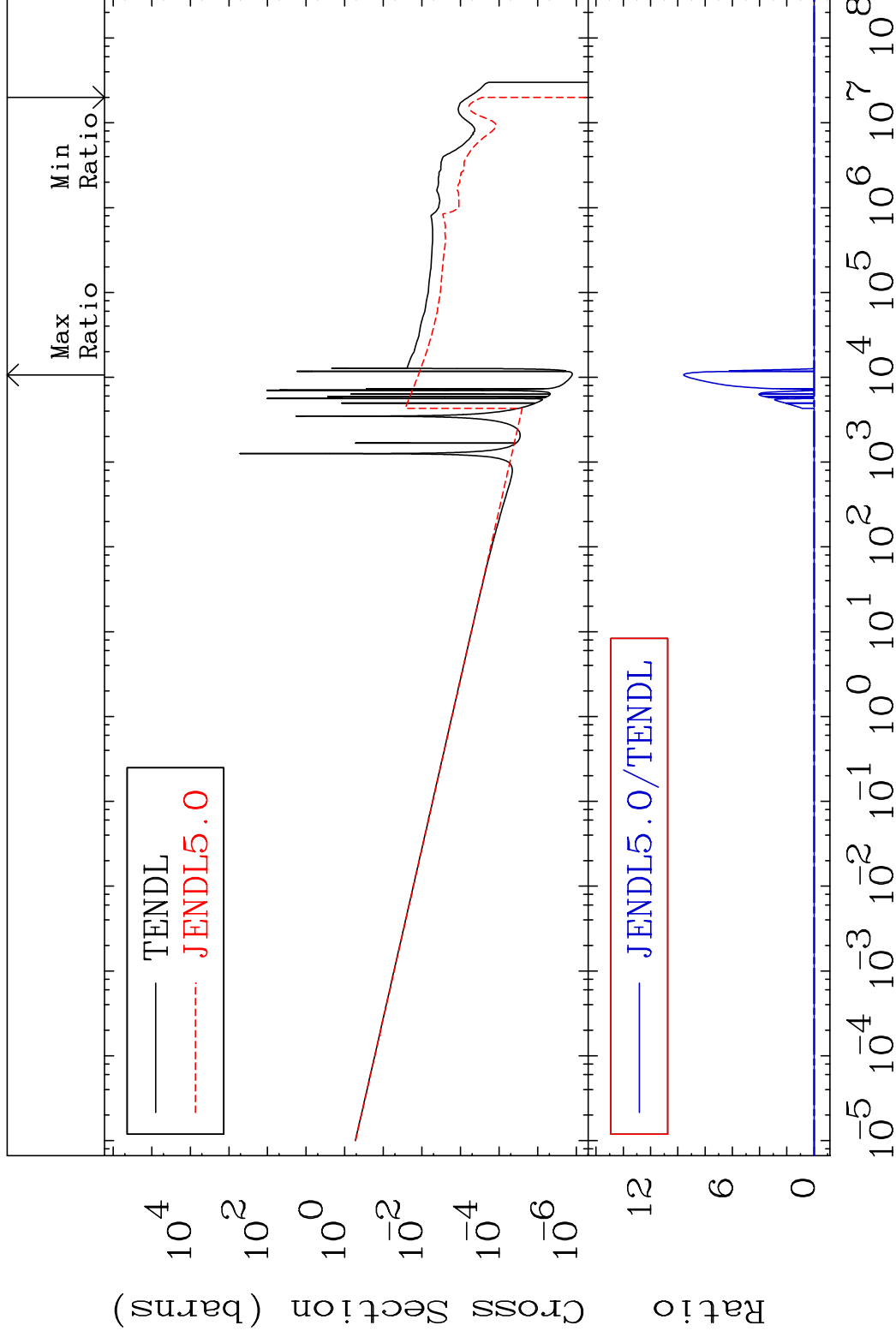
MAT 3843

(n,  $\gamma$ )

38-Sr-90

Cross Section

-100.0 To 9999. %



37

Incident Energy (eV)

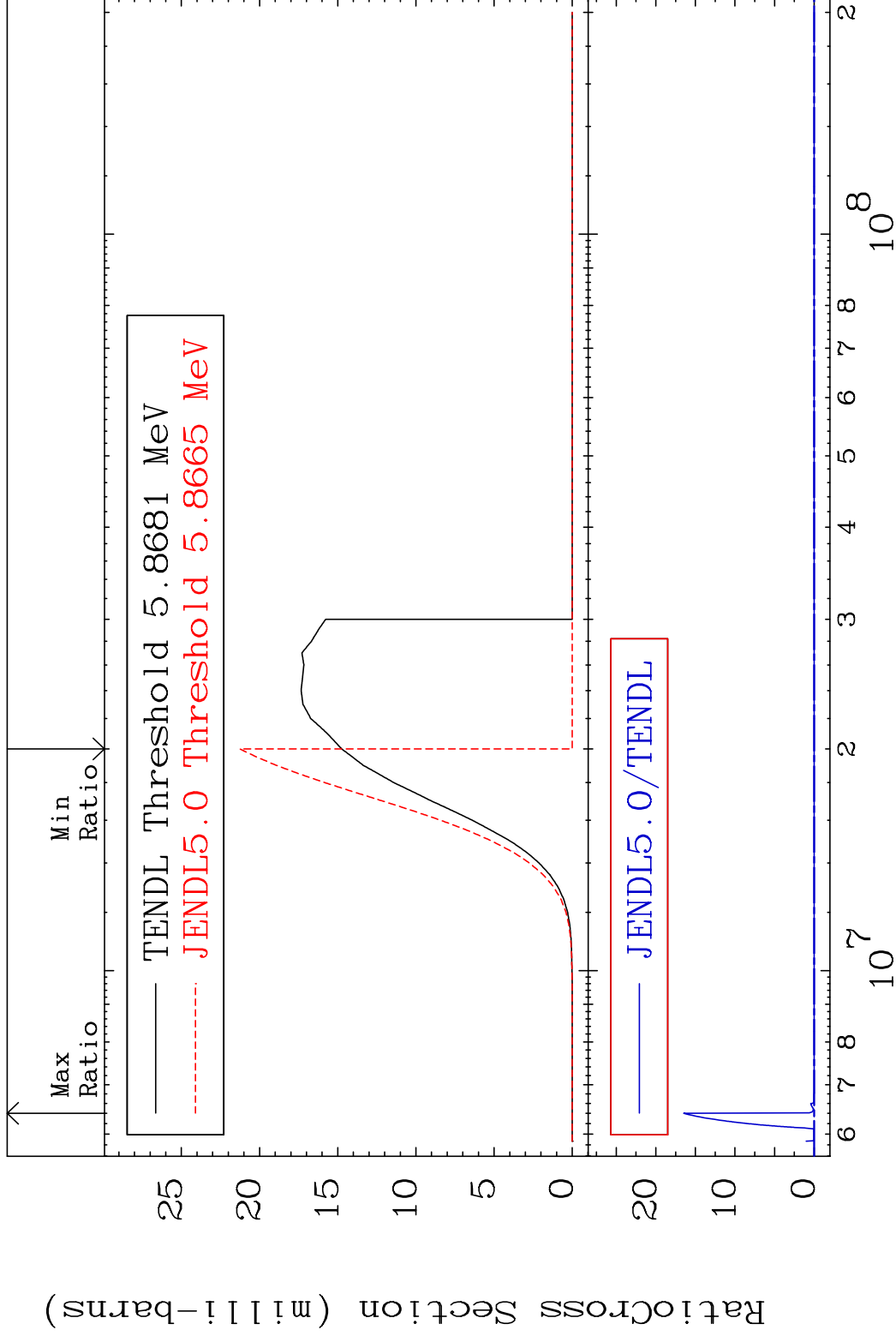
38-Sr-90

MAT 3843

(n, p)

38-Sr-90

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

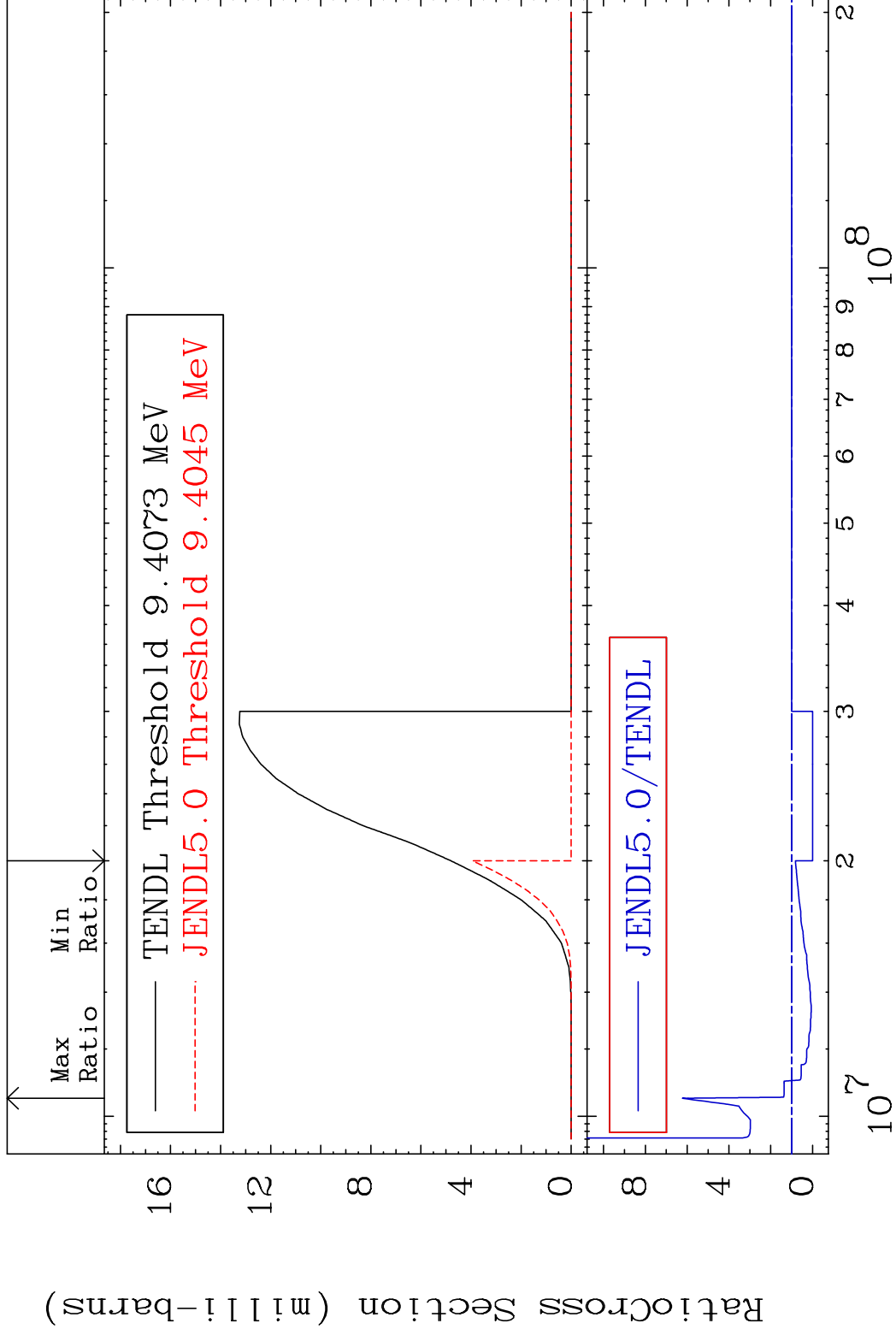
38-Sr-90

MAT 3843

(n,d)

38-Sr-90

Cross Section -100.0 To 523.0 %



39

Incident Energy (eV)

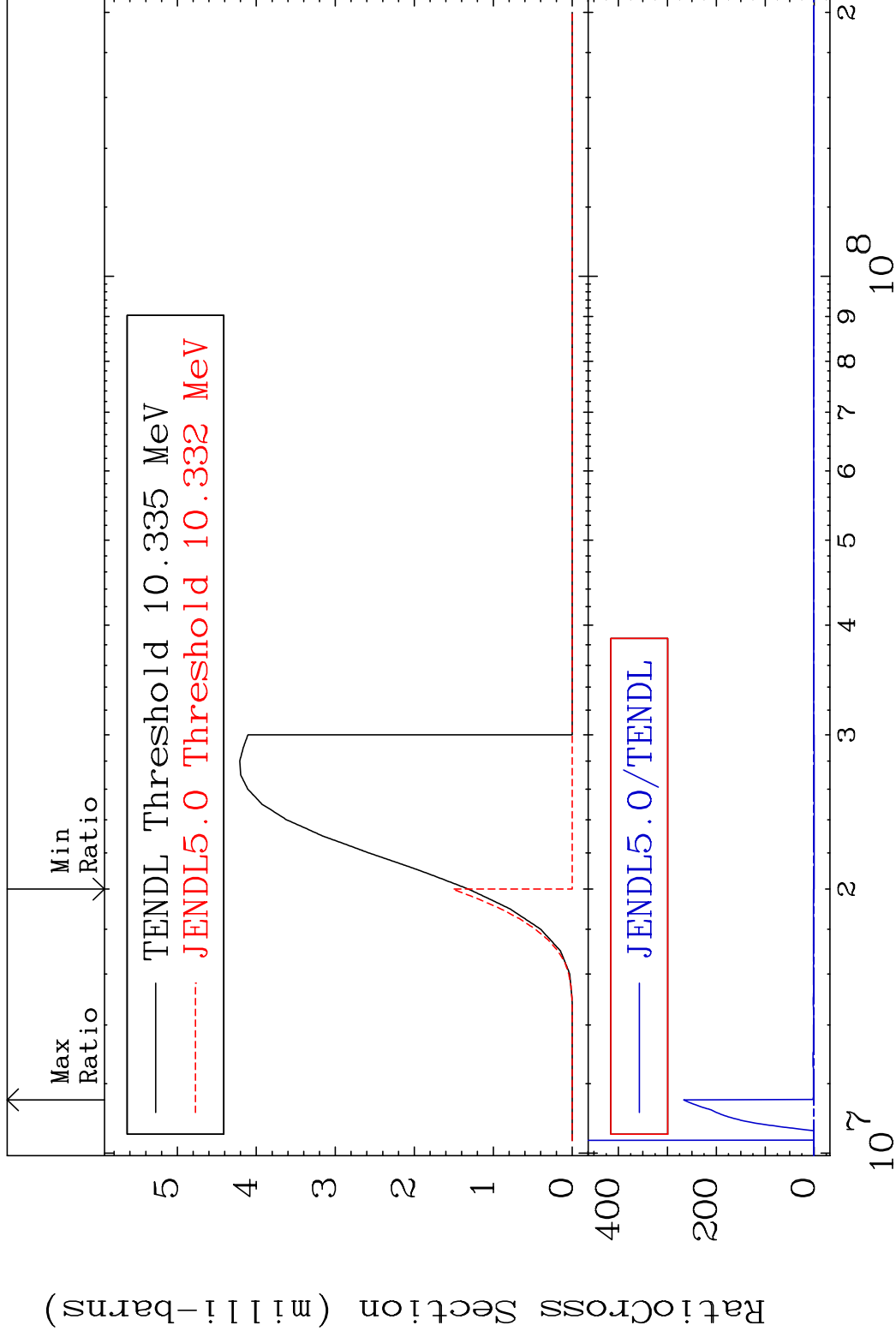
38-Sr-90

MAT 3843

(n, t)

38-Sr-90

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

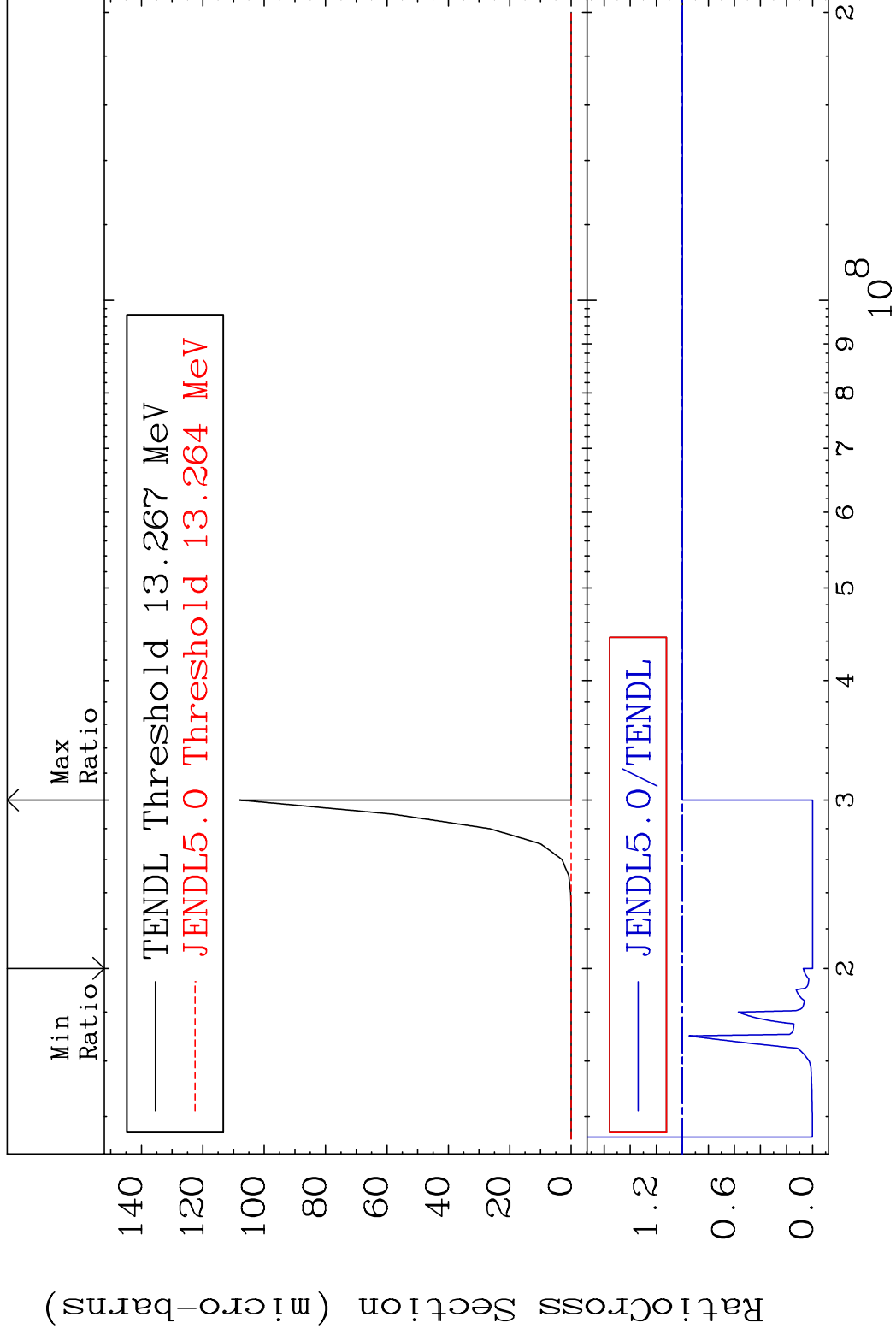
38-Sr-90

MAT 3843

(n, He-3)

38-Sr-90

Cross Section -100.0 To 0.000 %



41

Incident Energy (eV)

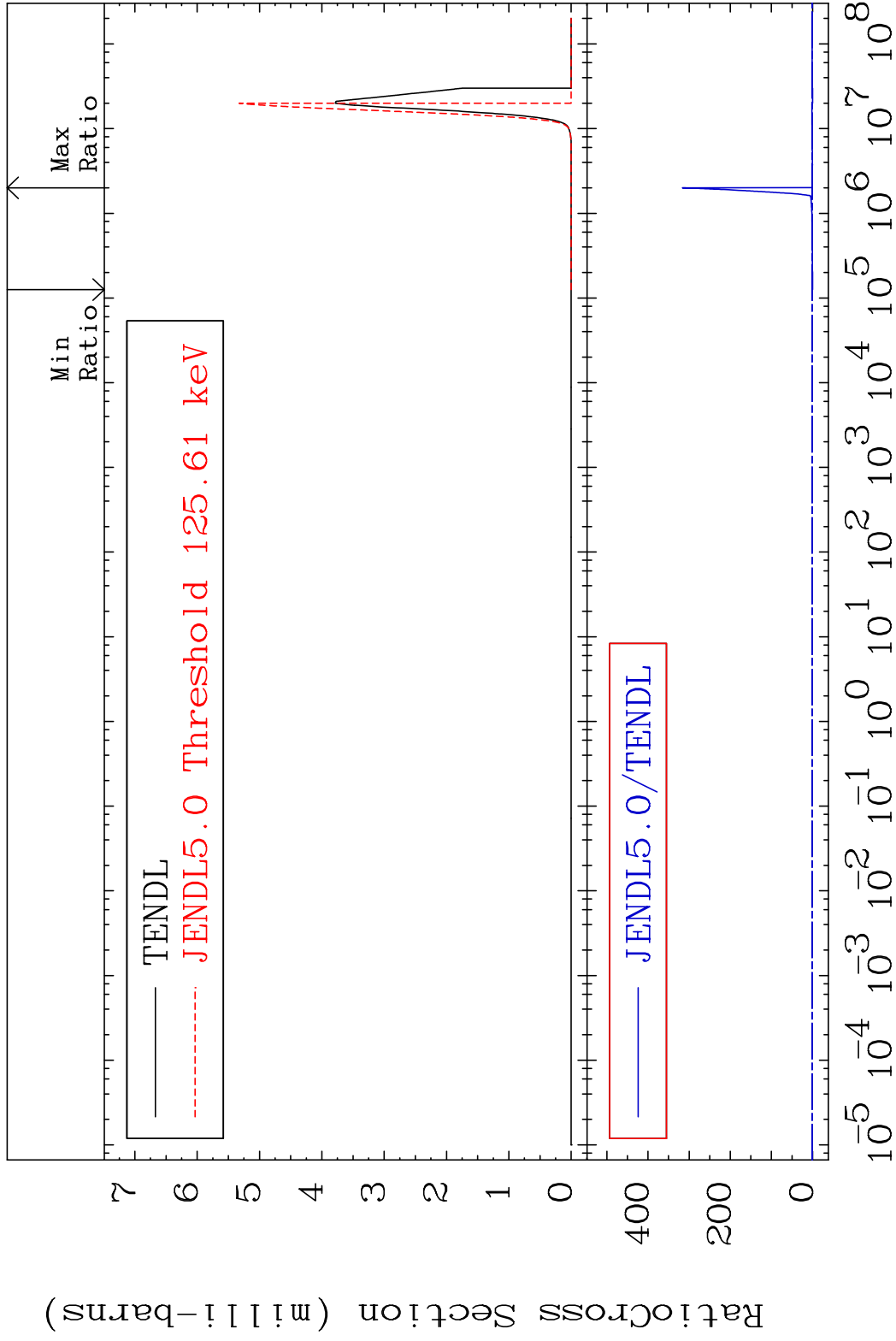
38-Sr-90

MAT 3843

(n,  $\alpha$ )

38-Sr-90

Cross Section -100.0 To 9999. %



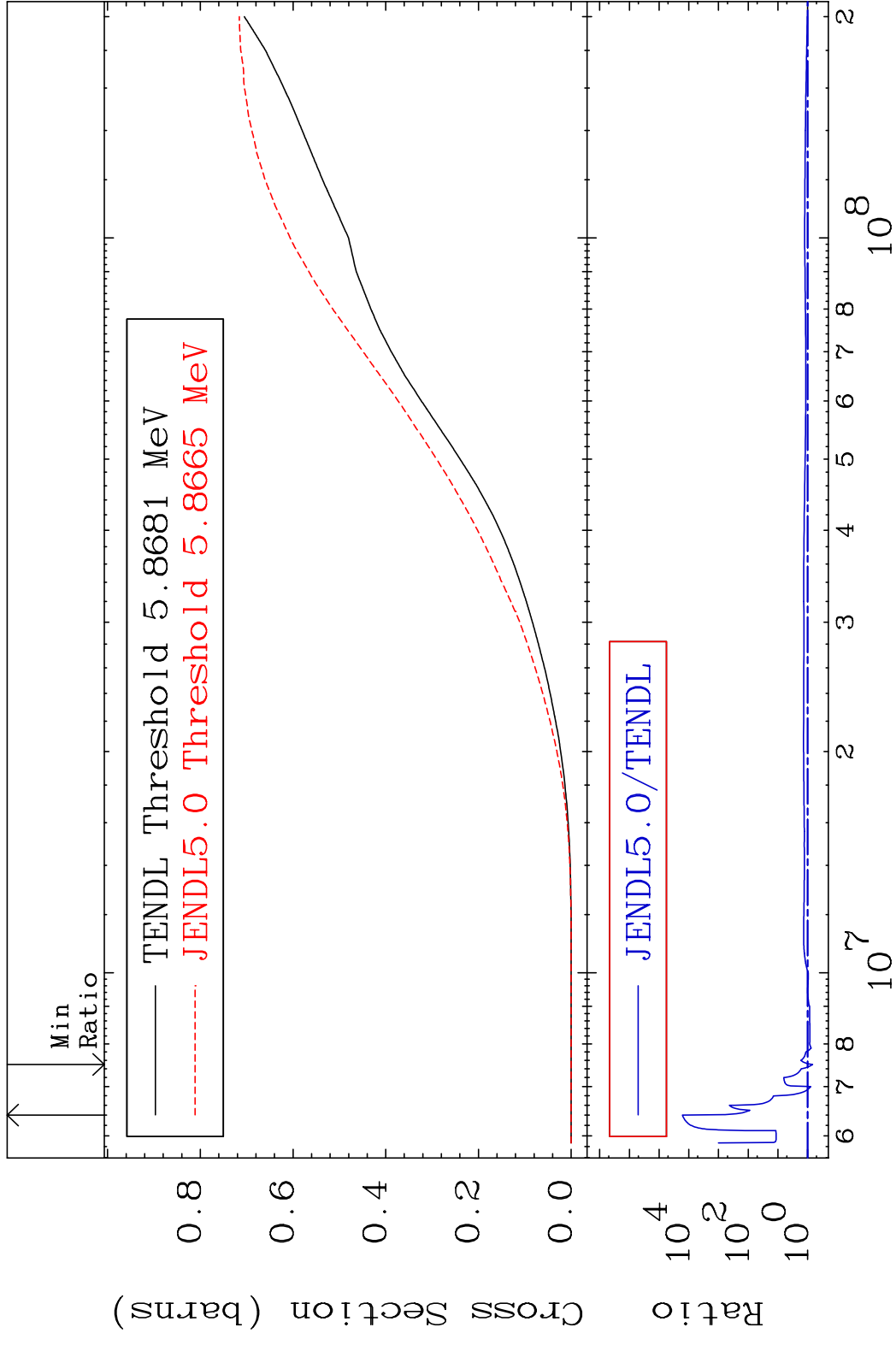
42

MAT 3843

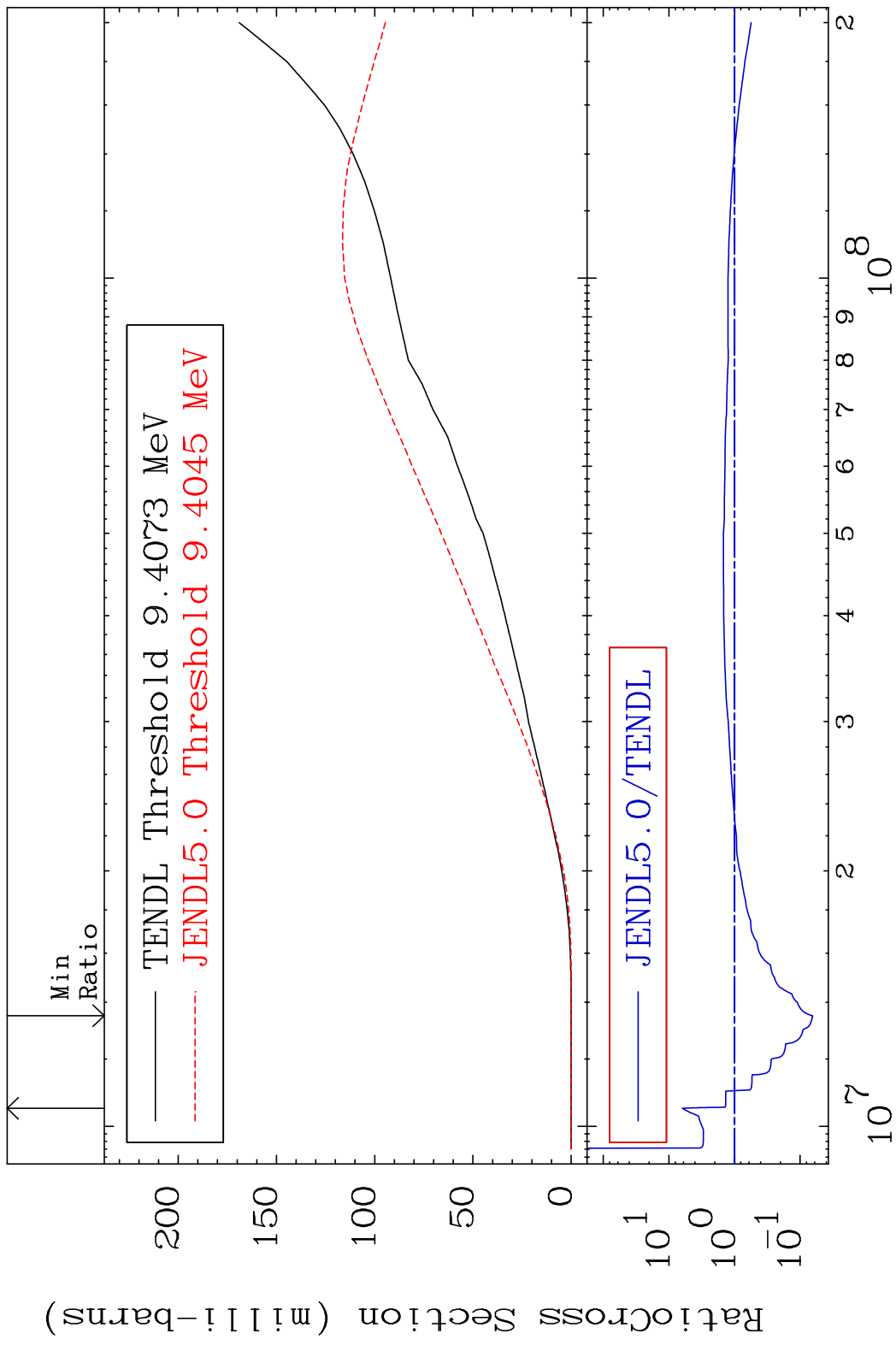
Hydrogen Production

38-Sr-90

Cross Section -31.73 To 9999. %

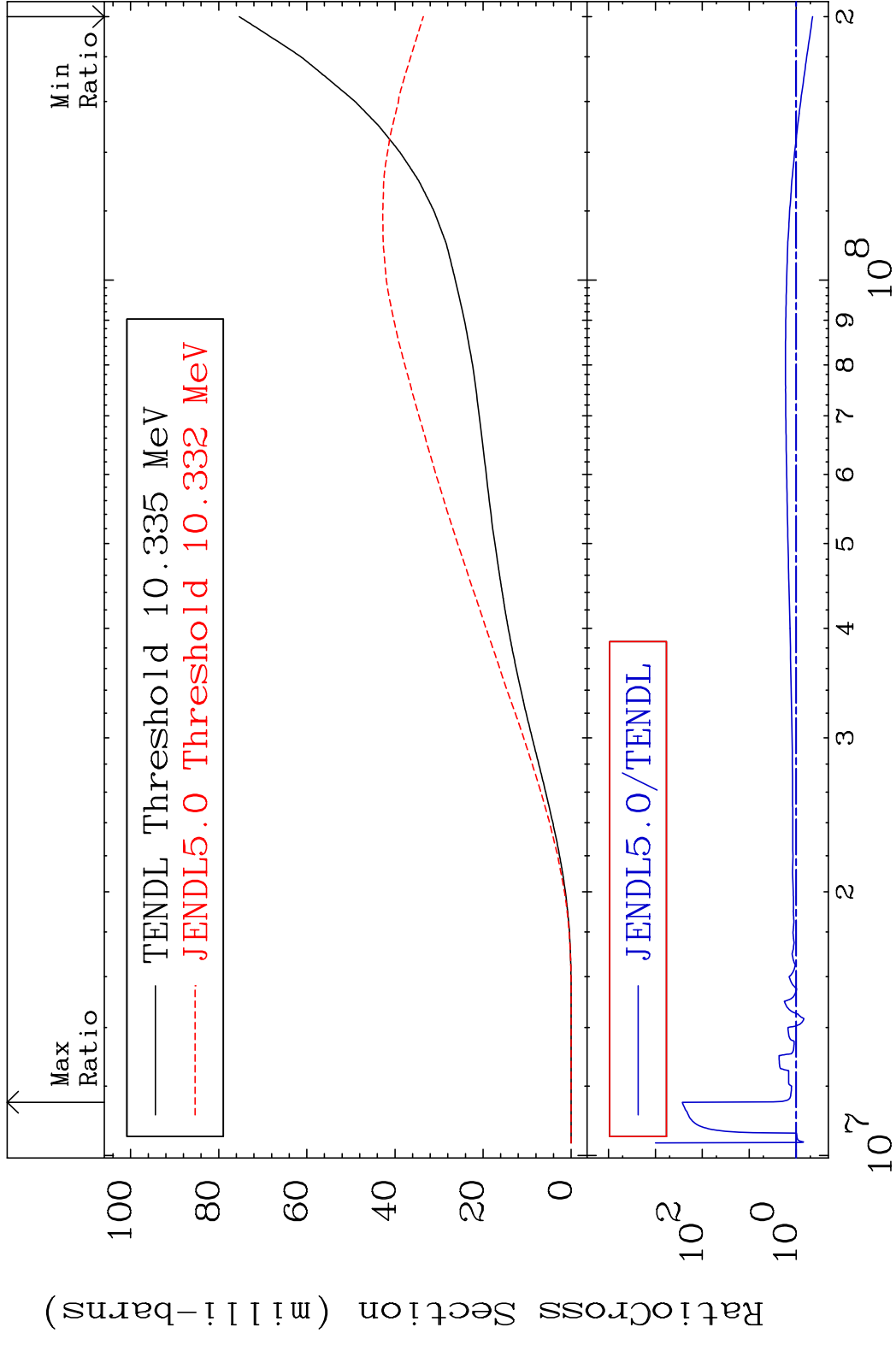


MAT 3843 Deuterium Production 38-Sr-90  
 Cross Section -93.52 To 523.0 %



44 38-Sr-90

MAT 3843 Tritium Production 38-Sr-90  
 Cross Section -55.43 To 9999. %



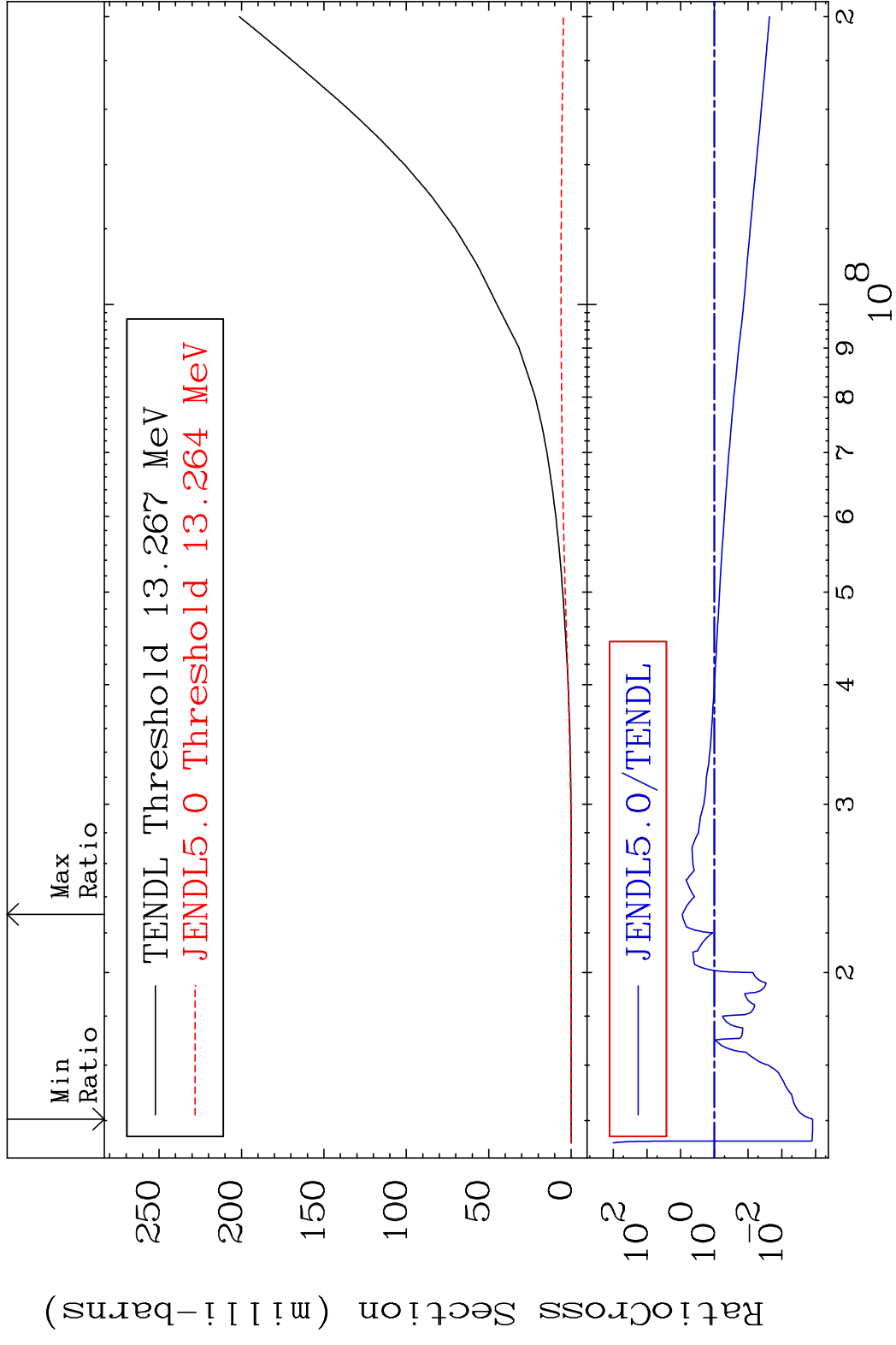
45 Incident Energy (eV) 38-Sr-90

MAT 3843

He-3 Production

38-Sr-90

Cross Section -99.88 To 790.5 %

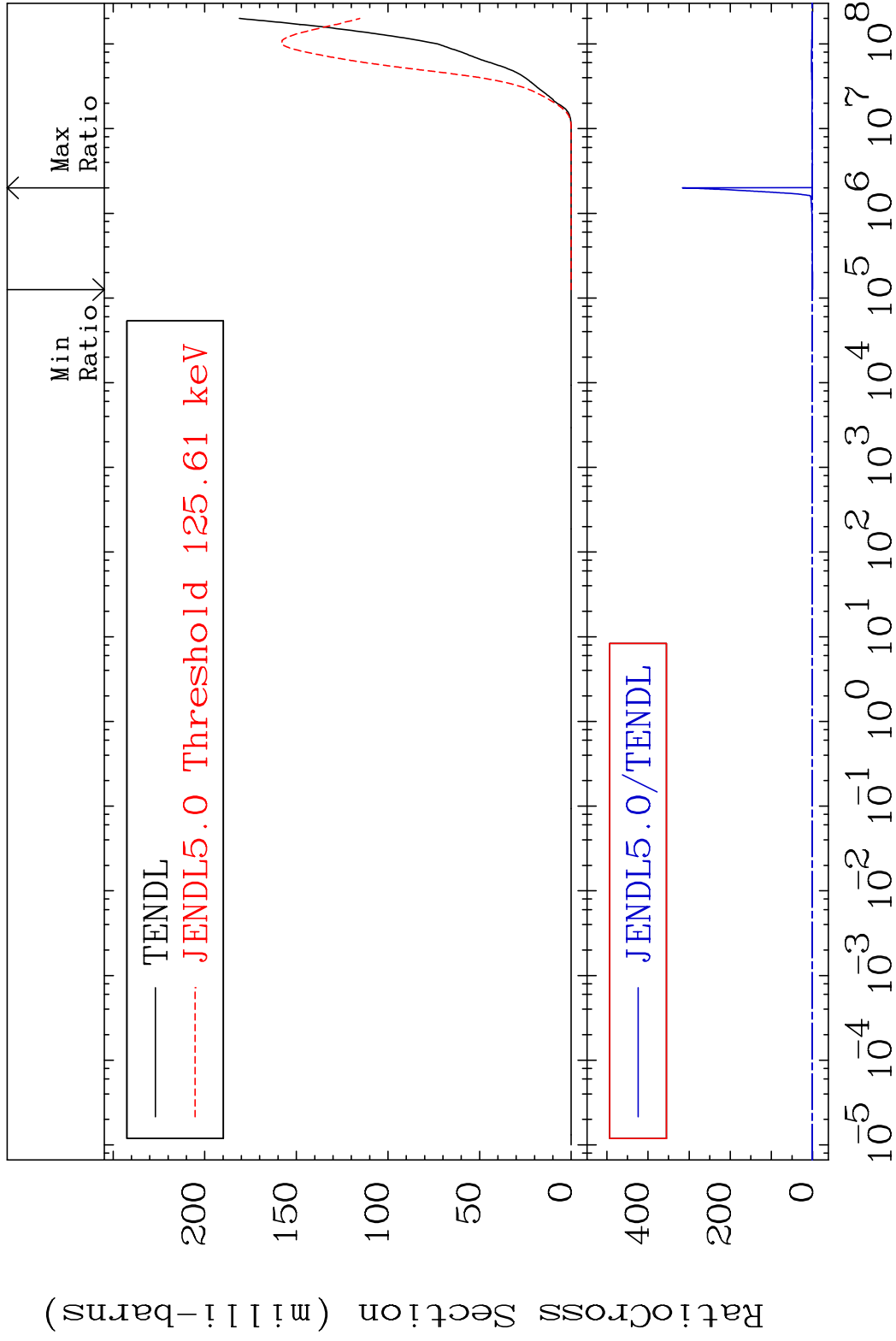


MAT 3843

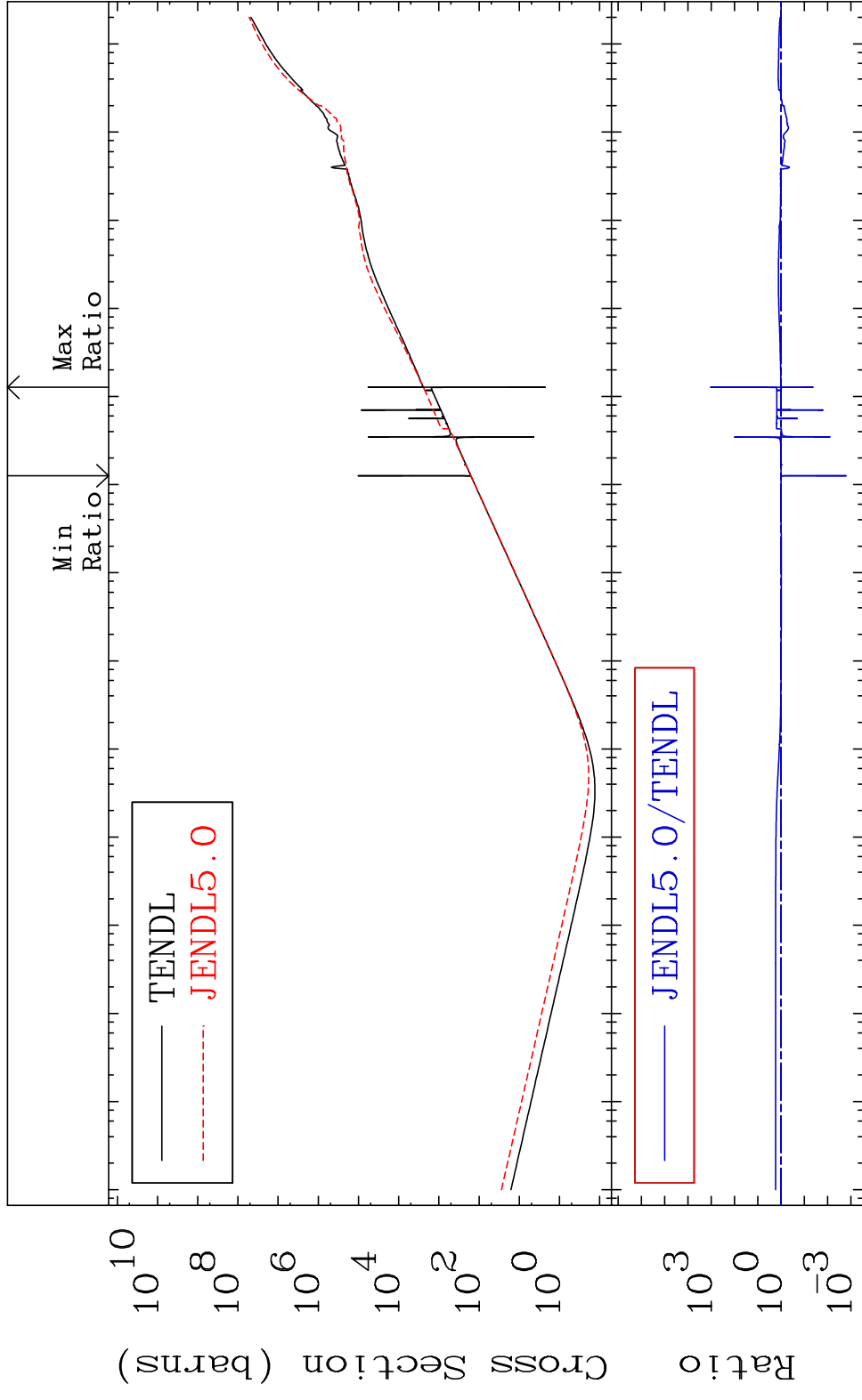
He-4 Production

38-Sr-90

Cross Section -100.0 To 9999. %



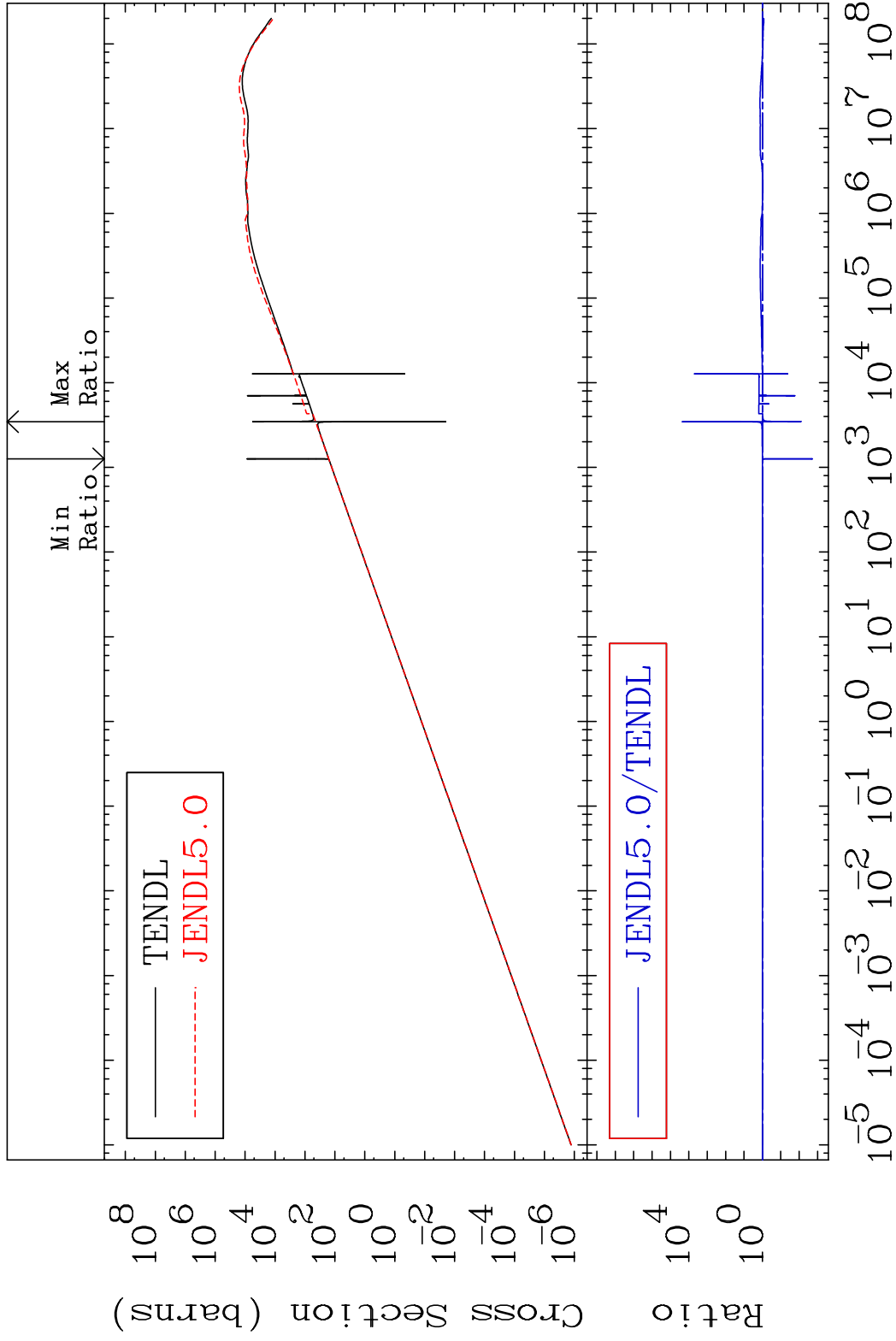
MAT 3843 Kerma total (eV-barns) 38-Sr-90  
 Cross Section -99.84 To 9999. %



MAT 3843

Kerma elastic  
Cross Section

38-Sr-90  
-99.81 To 9999. %

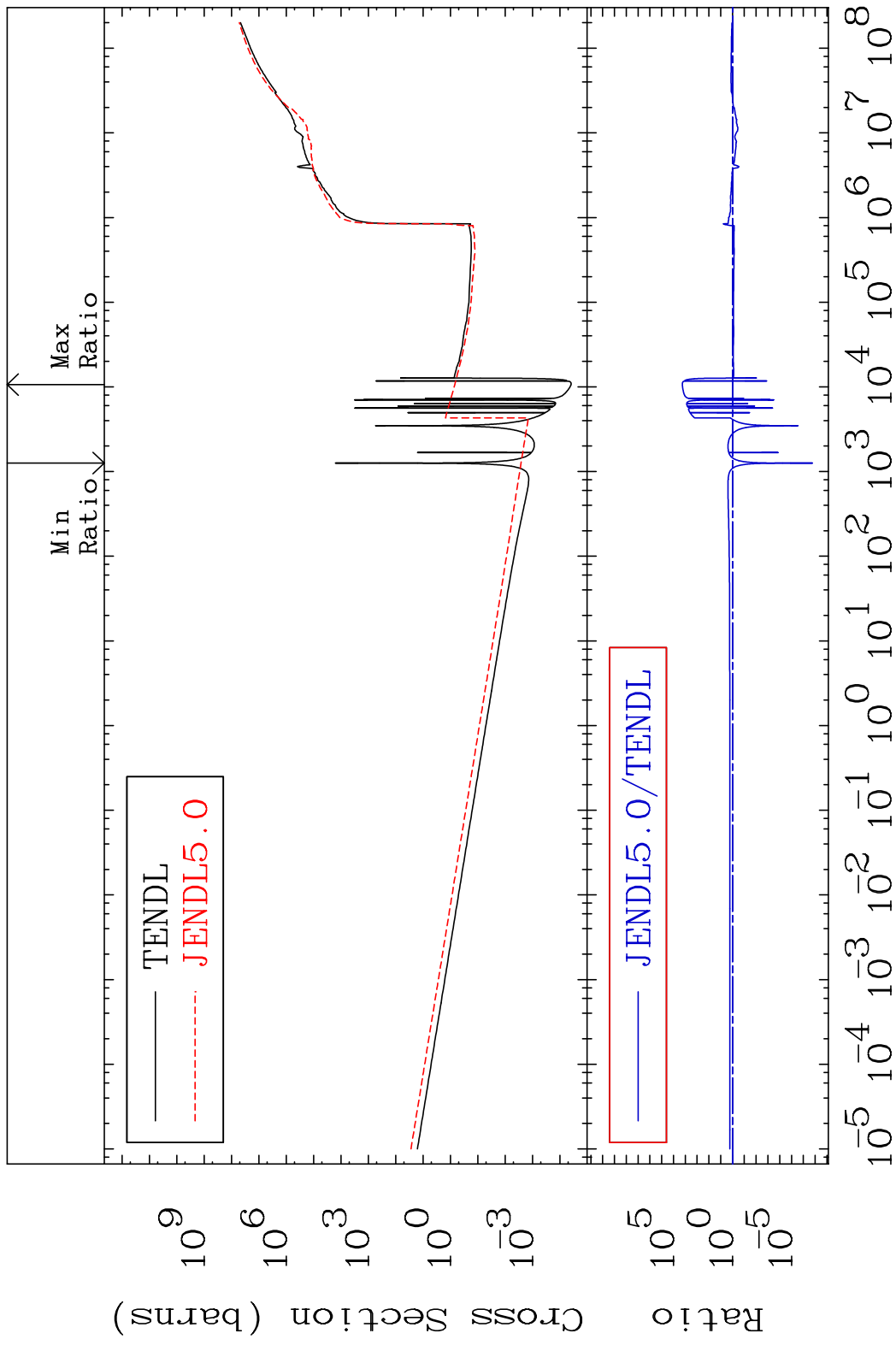


49

Incident Energy (eV)

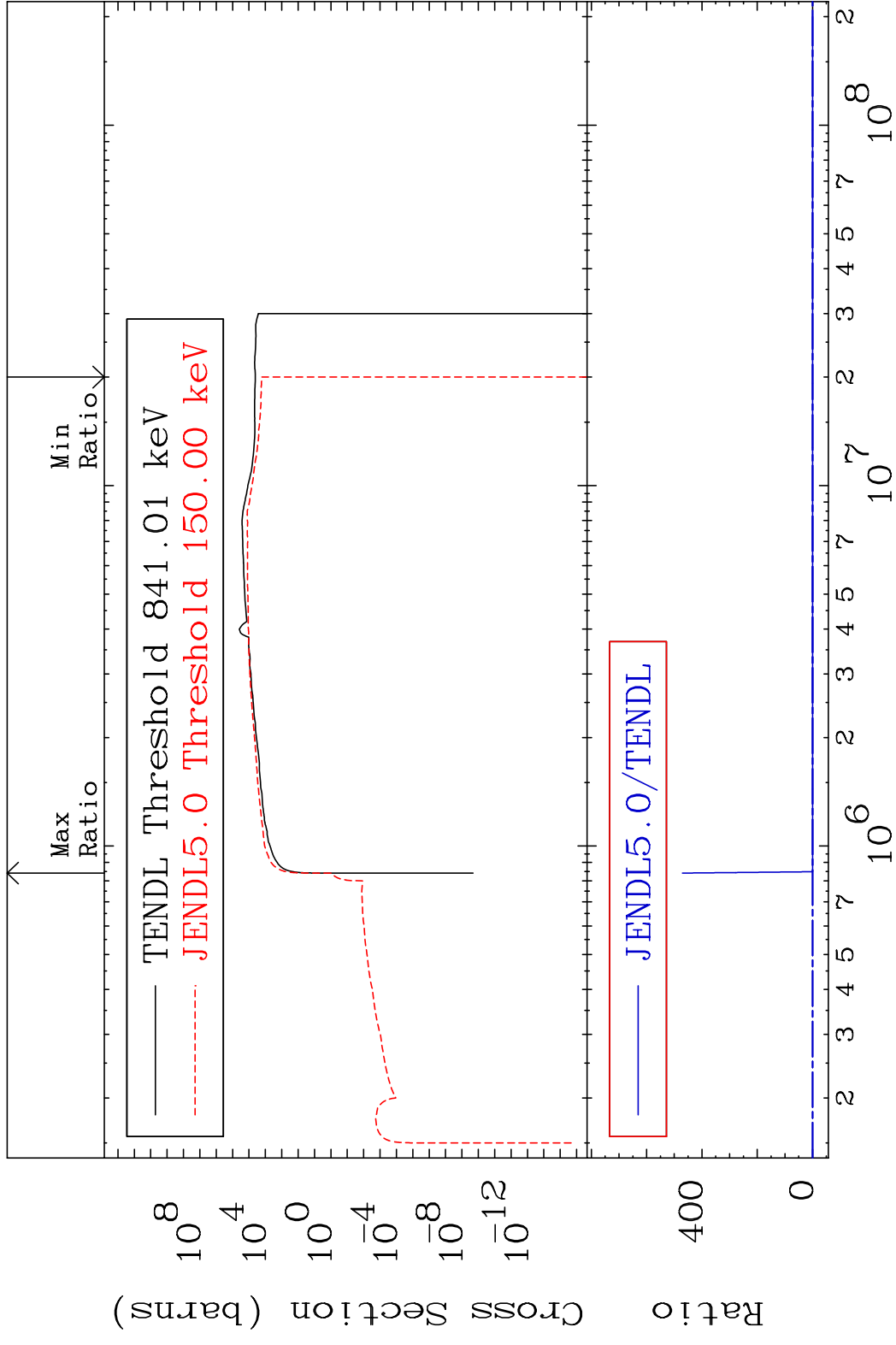
38-Sr-90

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

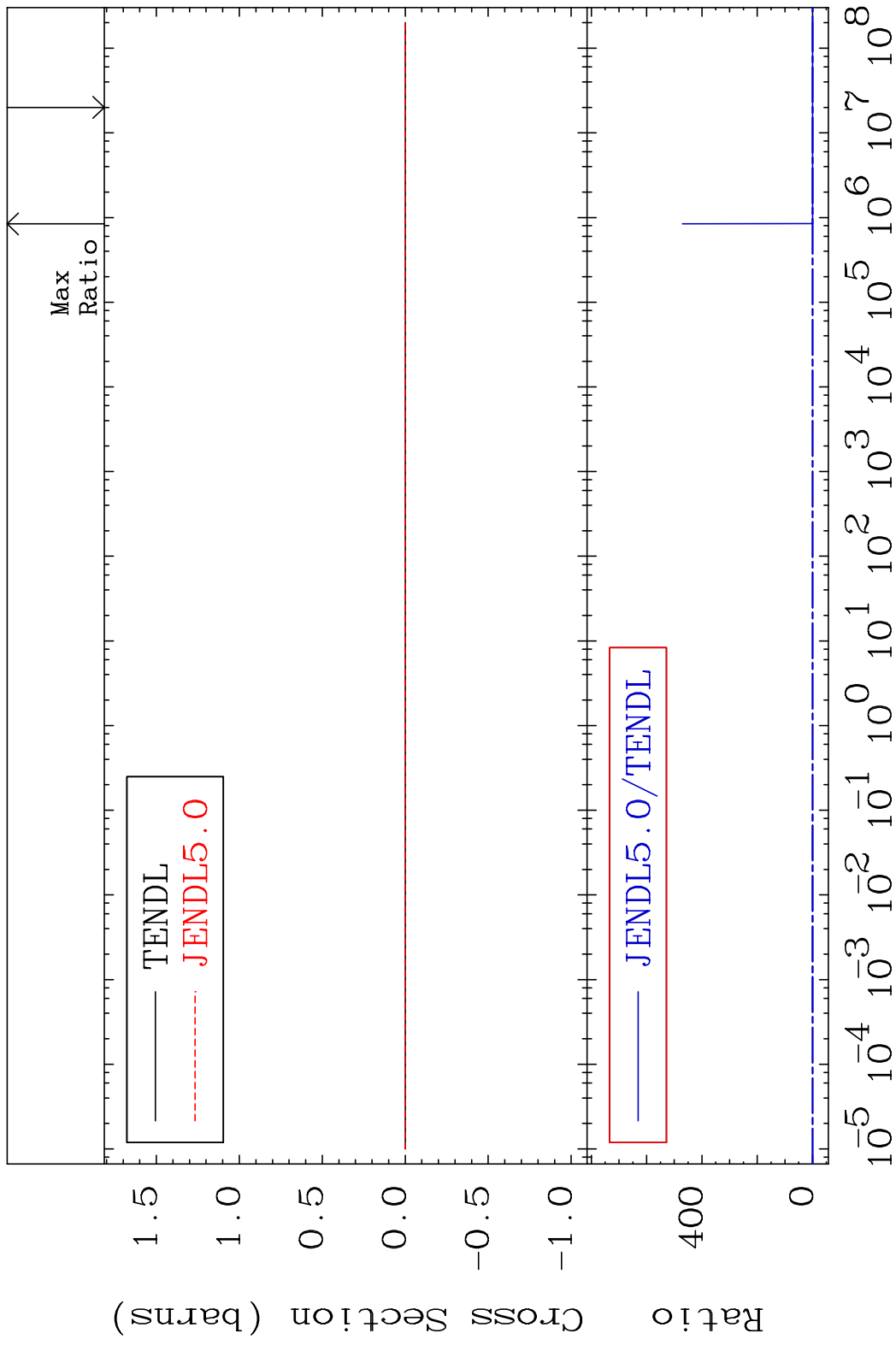


50 Incident Energy (eV) 38-Sr-90

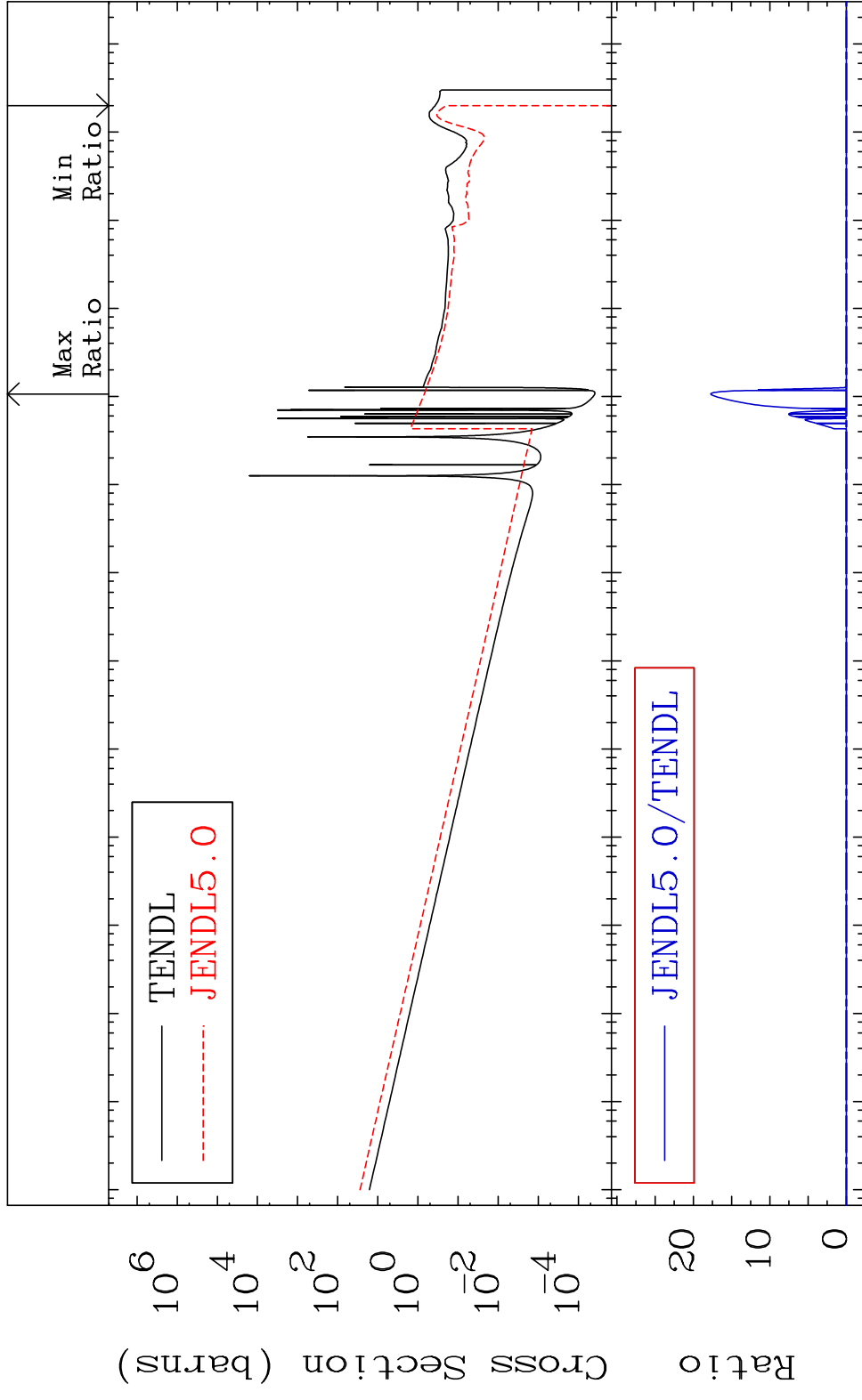
MAT 3843 Kerma inelastic (mt51-91) 38-Sr-90  
 Cross Section -100.0 To 9999. %



MAT 3843 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-90  
 Cross Section -100.0 To 9999. %

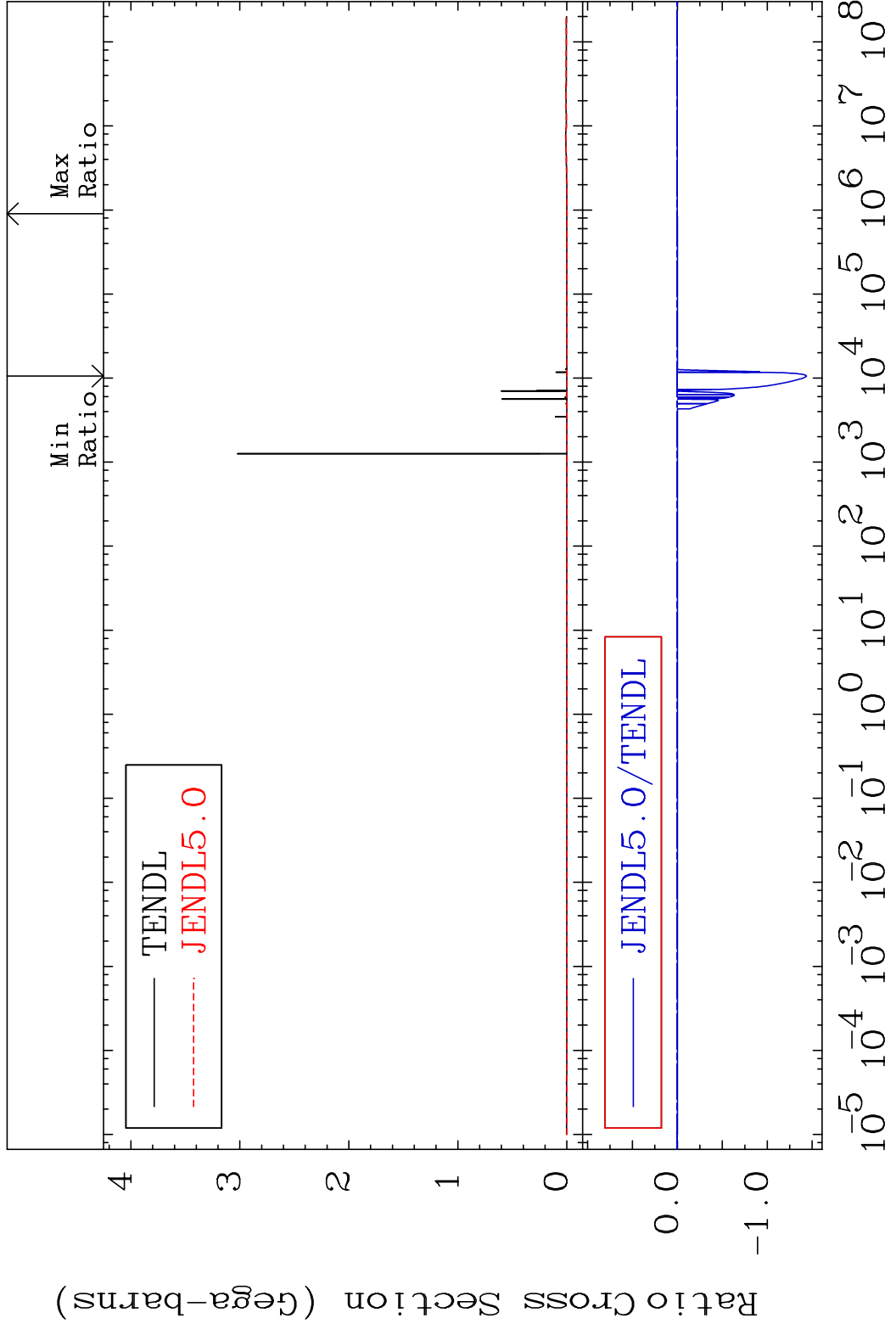


MAT 3843 Kerma capture (mt102) 38-Sr-90  
 Cross Section -100.0 To 9999. %

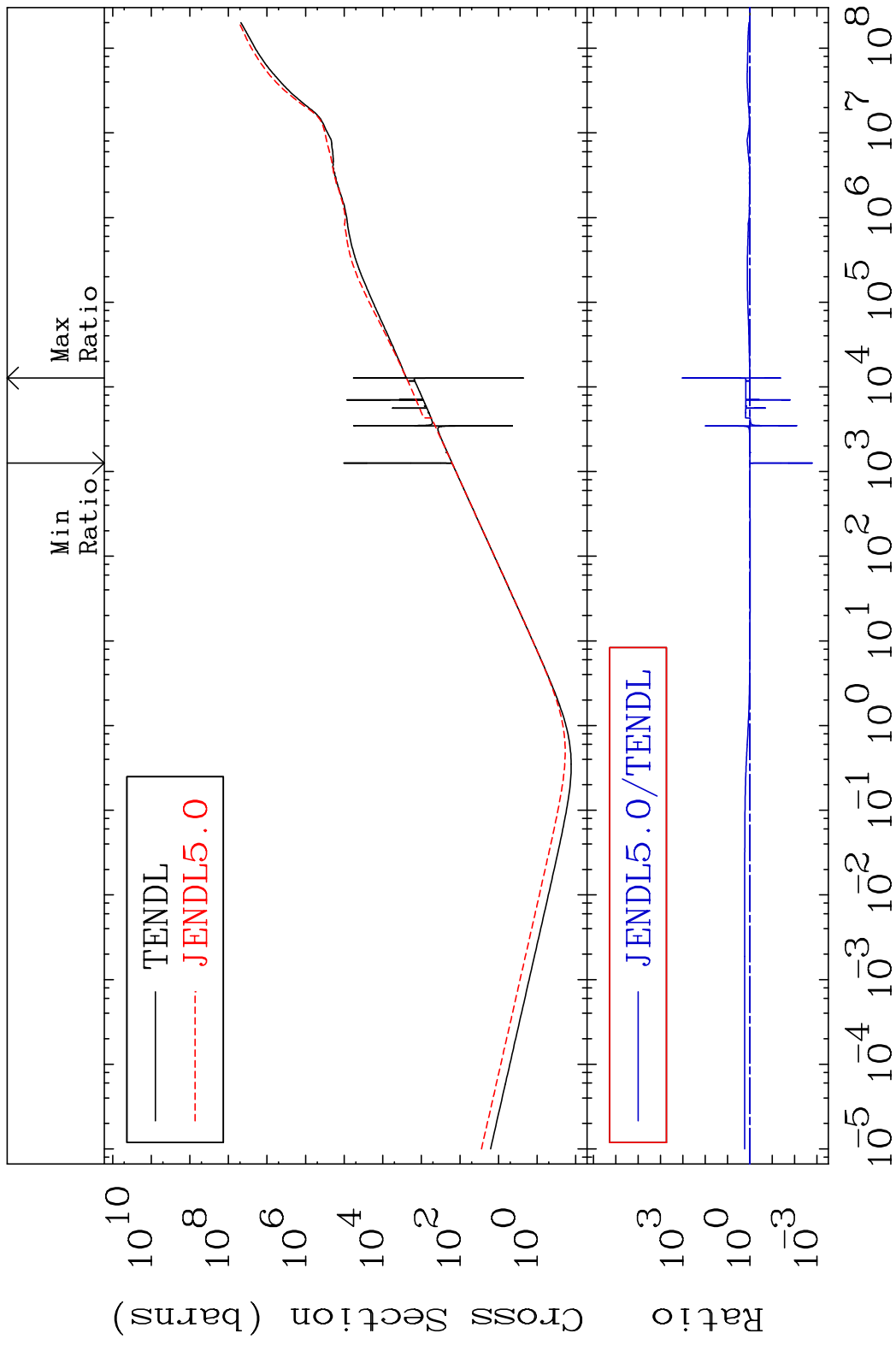


53 Incident Energy (eV) 38-Sr-90

MAT 3843 Total photon (eV-barns) 38-Sr-90  
 Cross Section -9999. To 108.0 %



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

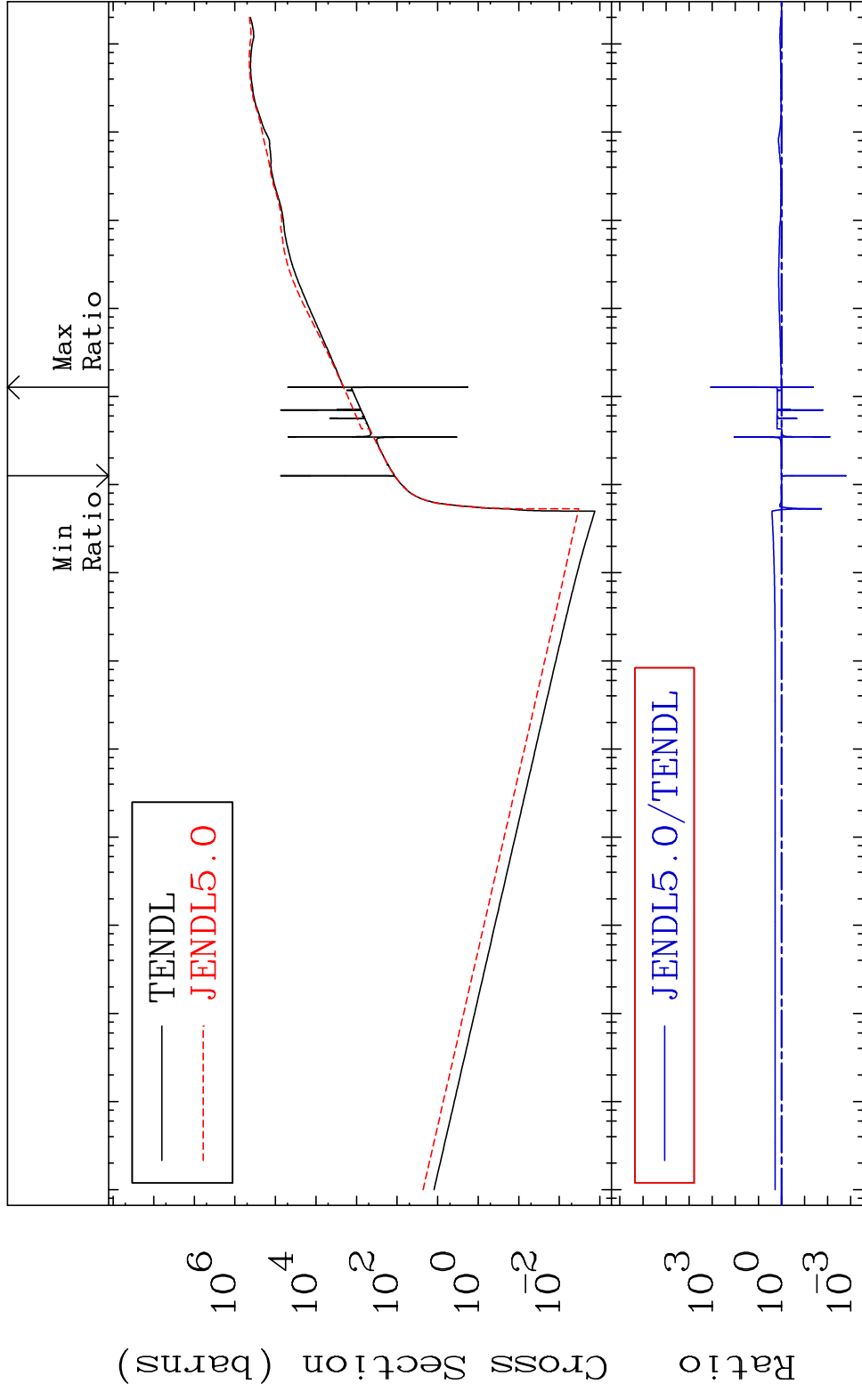


MAT 3843

Dpa total (eV-barns)

38-Sr-90

Cross Section -99.84 To 9999. %



56

Incident Energy (eV)

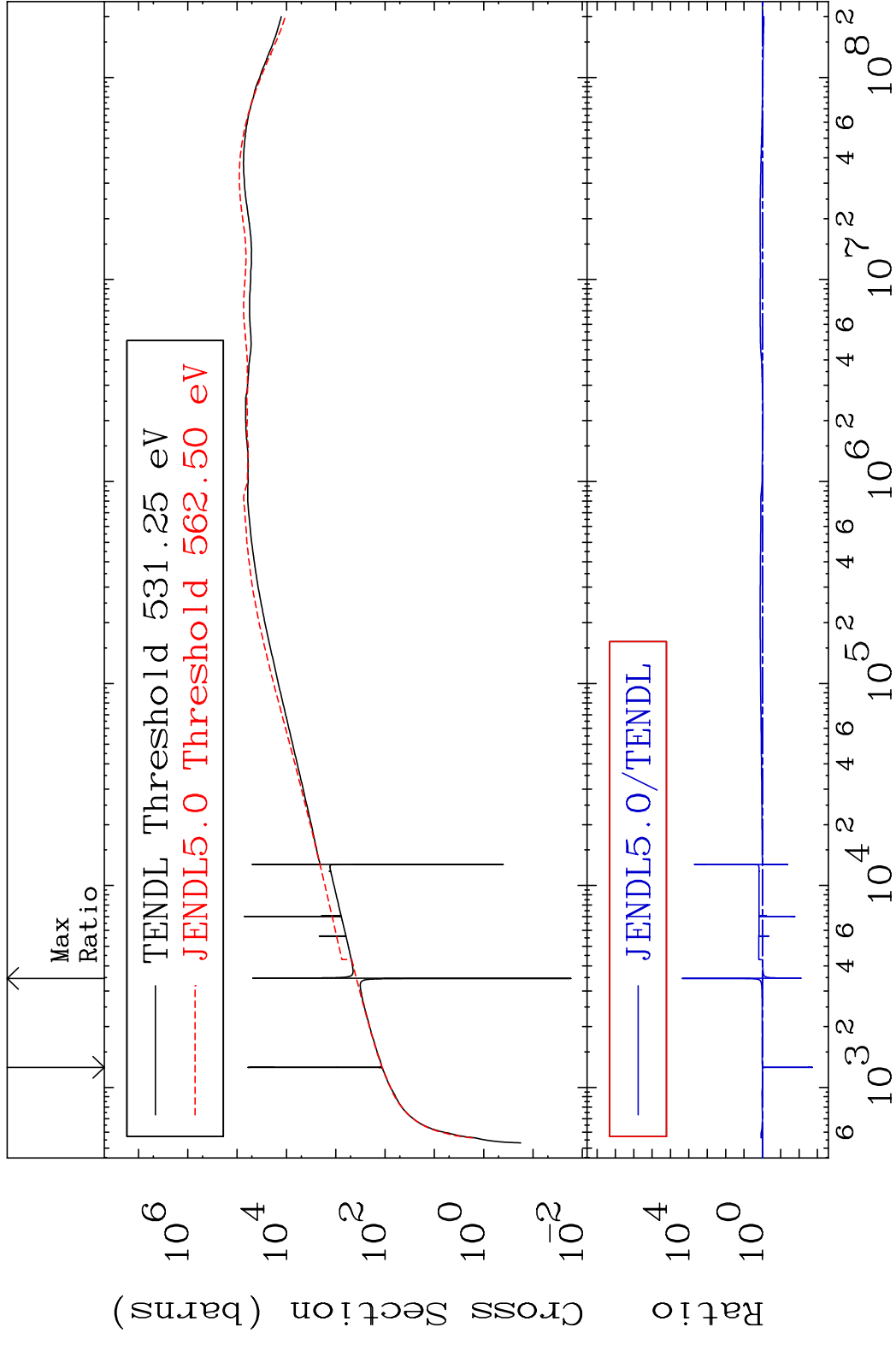
38-Sr-90

MAT 3843

Dpa elastic (mt2)

38-Sr-90

Cross Section -99.81 To 9999. %



57

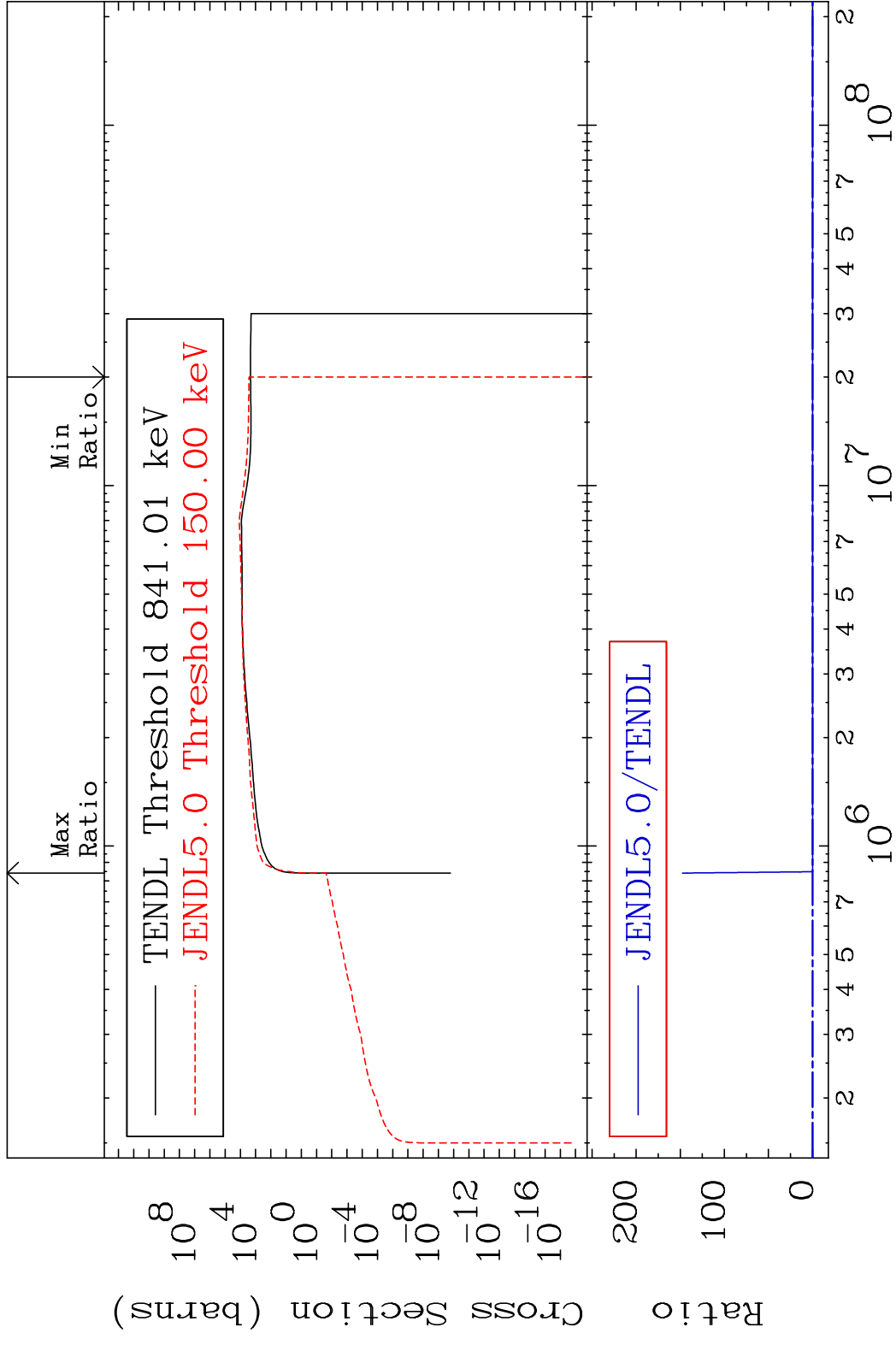
Incident Energy (eV)

38-Sr-90

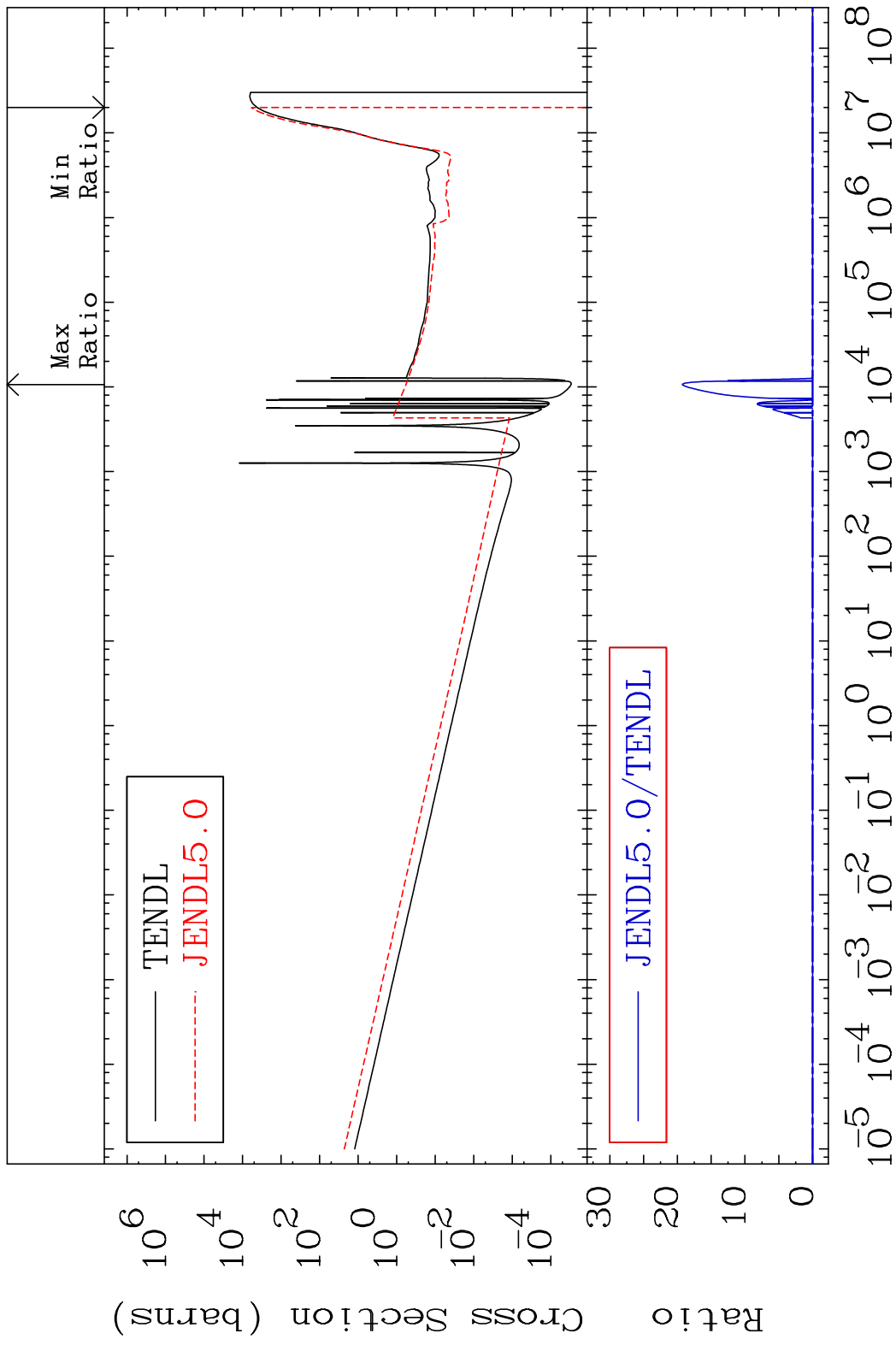
MAT 3843

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

Cross Section -100.0 To 9999. %

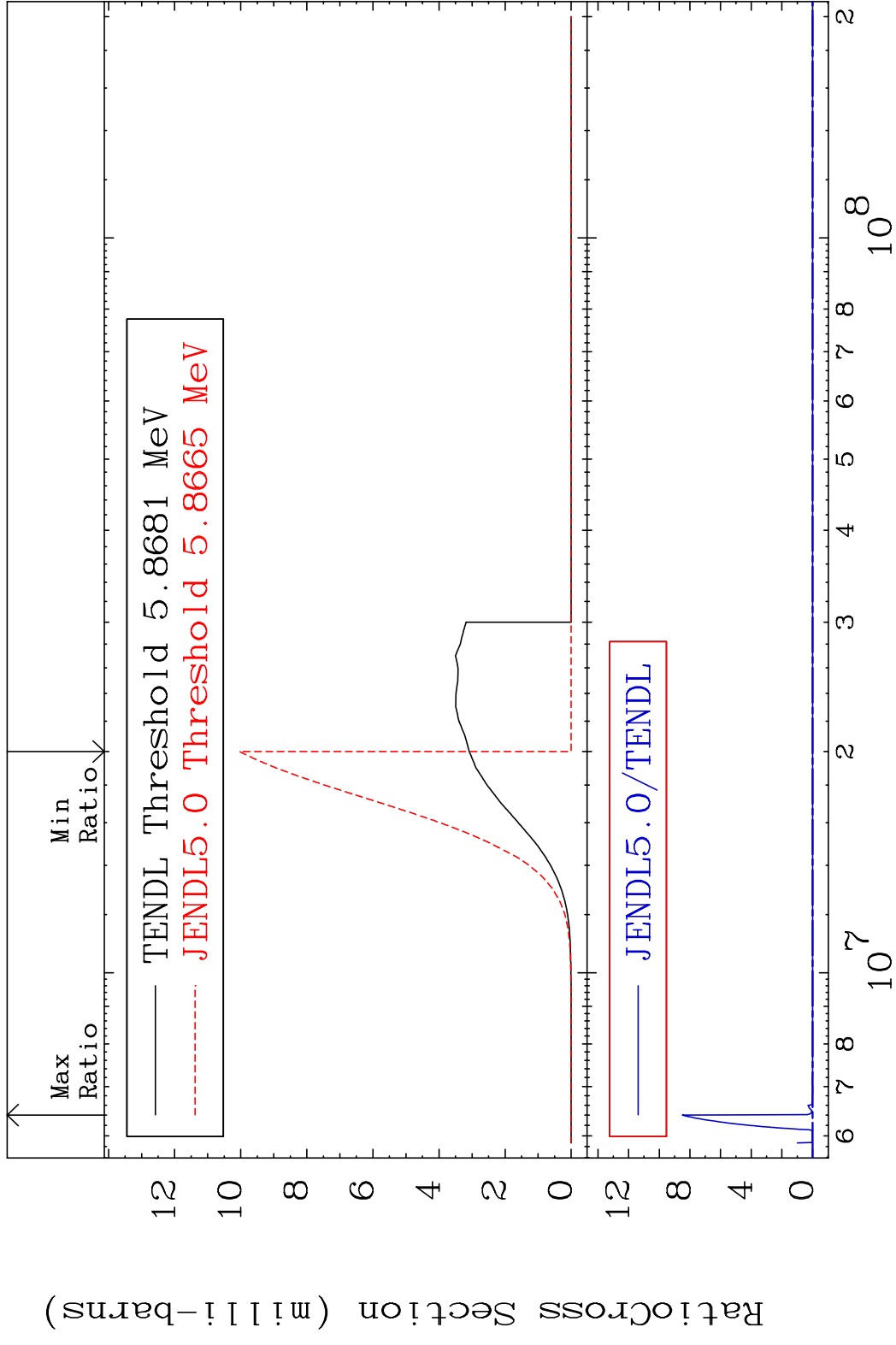


MAT 3843 Dpa disappearance (mt102 -120) 38-Sr-90  
 Cross Section -100.0 To 9999. %

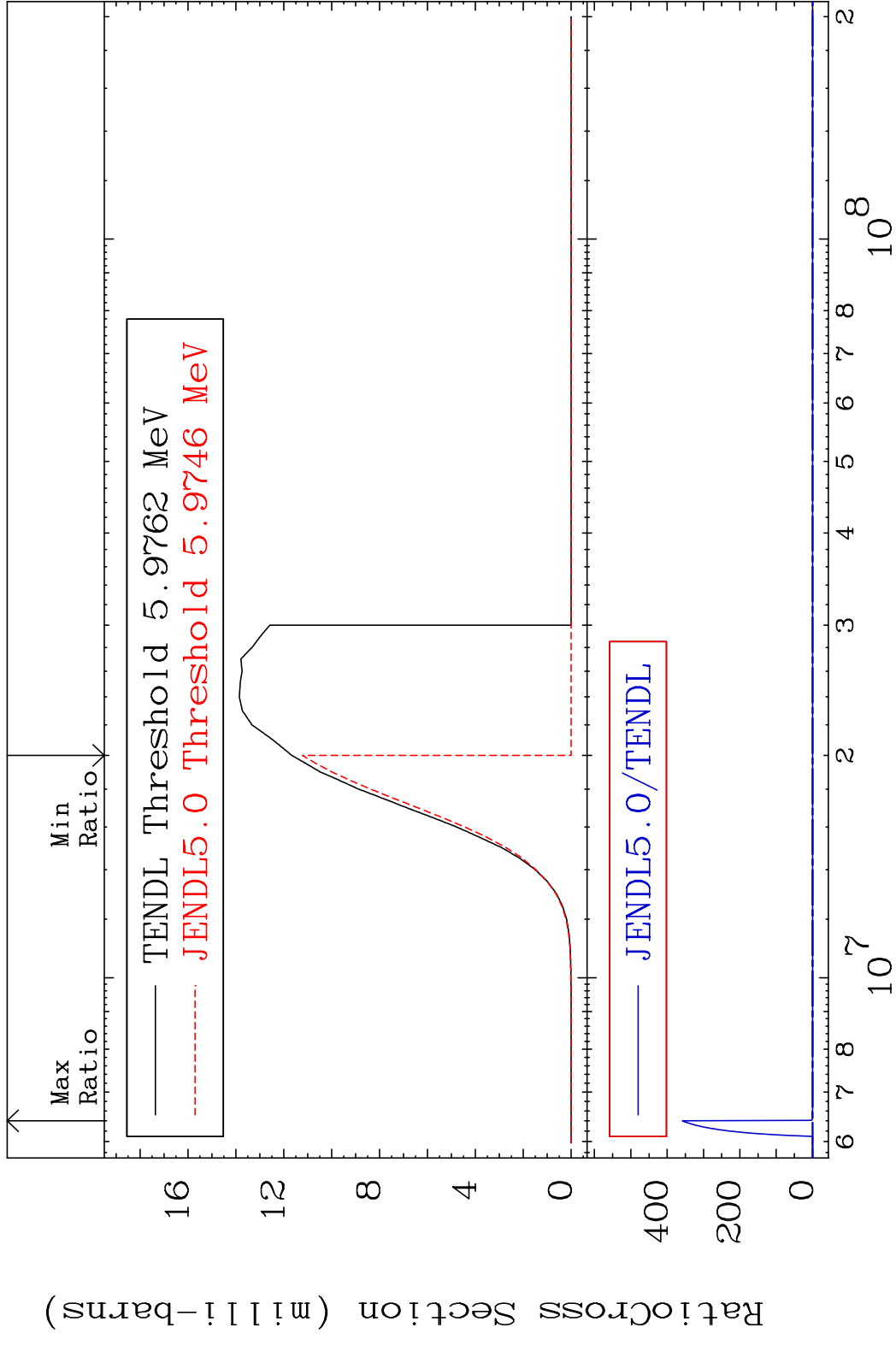


59 Incident Energy (eV) 38-Sr-90

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



60 Incident Energy (eV) 38-Sr-90

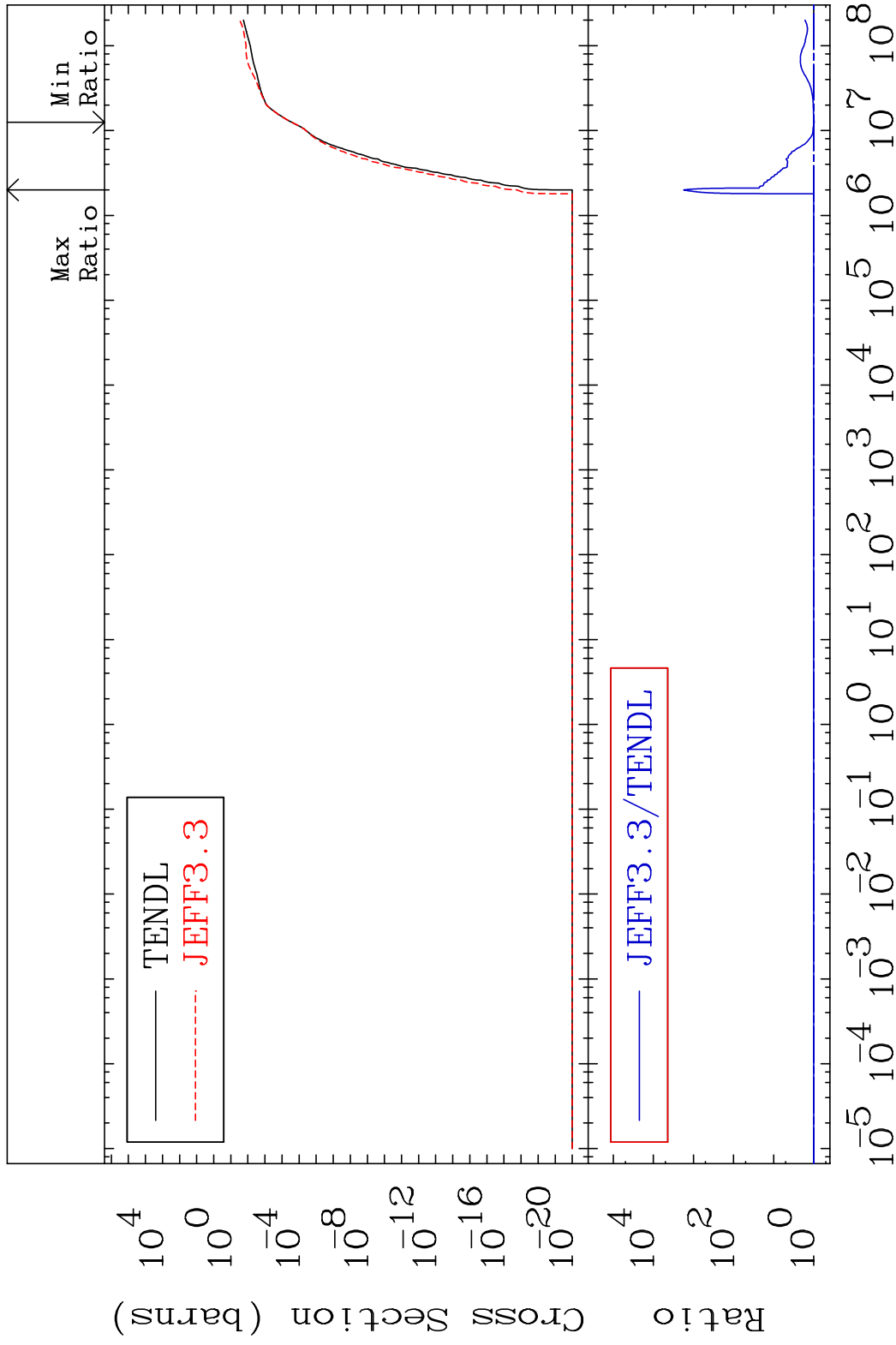


MAT 3843

He-4 Production

38-Sr-90

Cross Section -2.258 To 9999. %

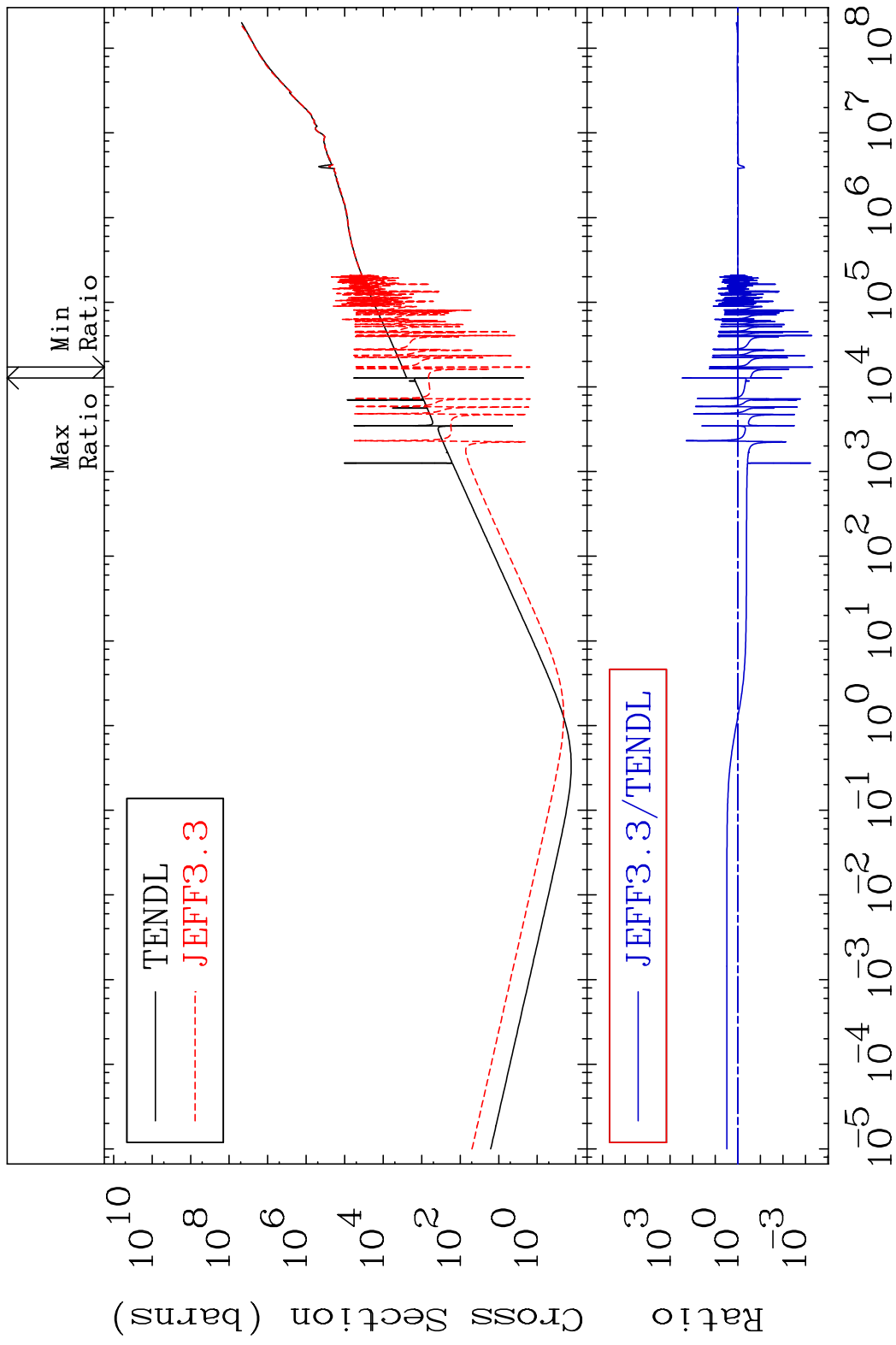


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Incident Energy (eV)

38-Sr-90

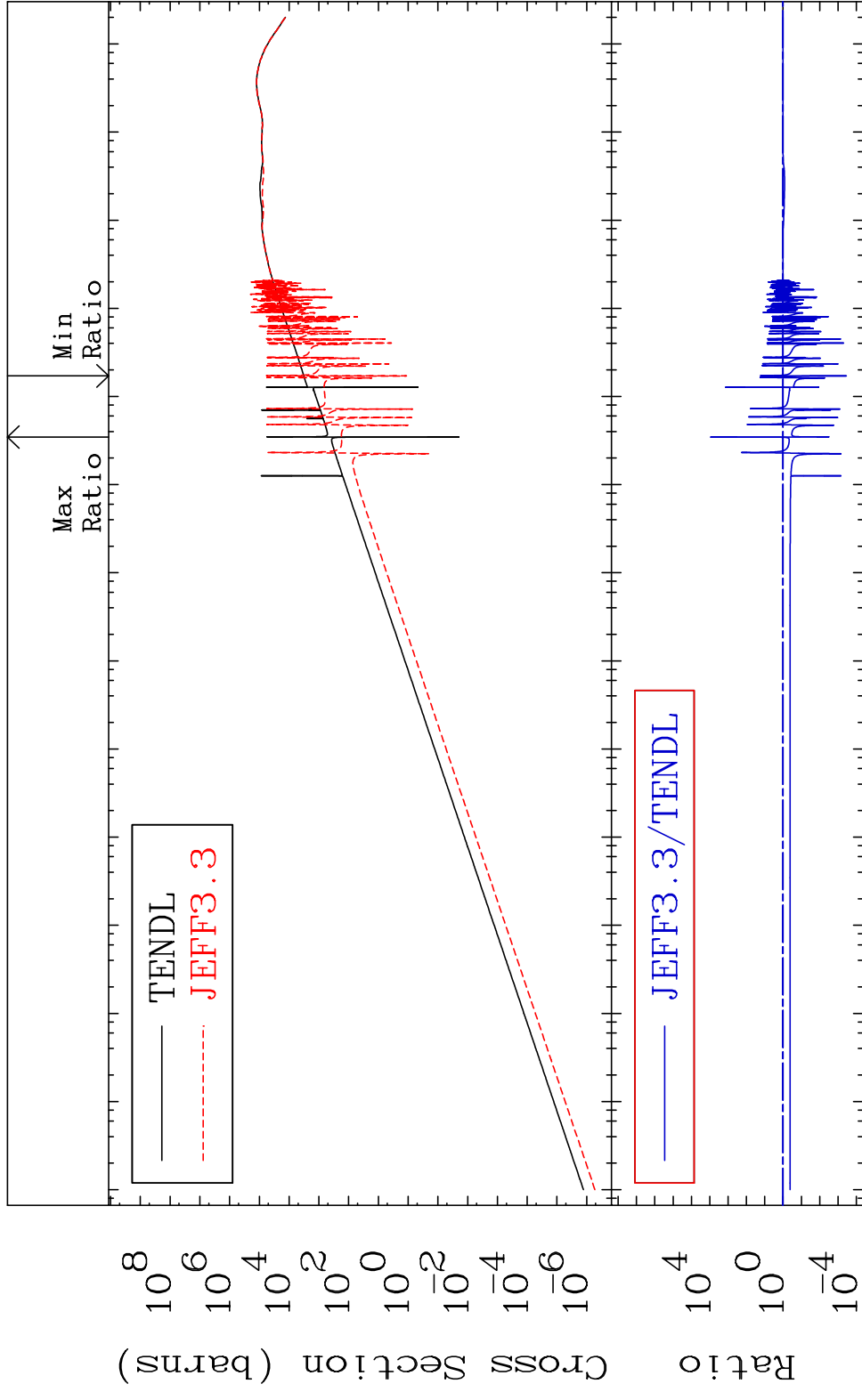
MAT 3843 Kerma total (eV-barns) 38-Sr-90  
 Cross Section -99.95 To 9999. %



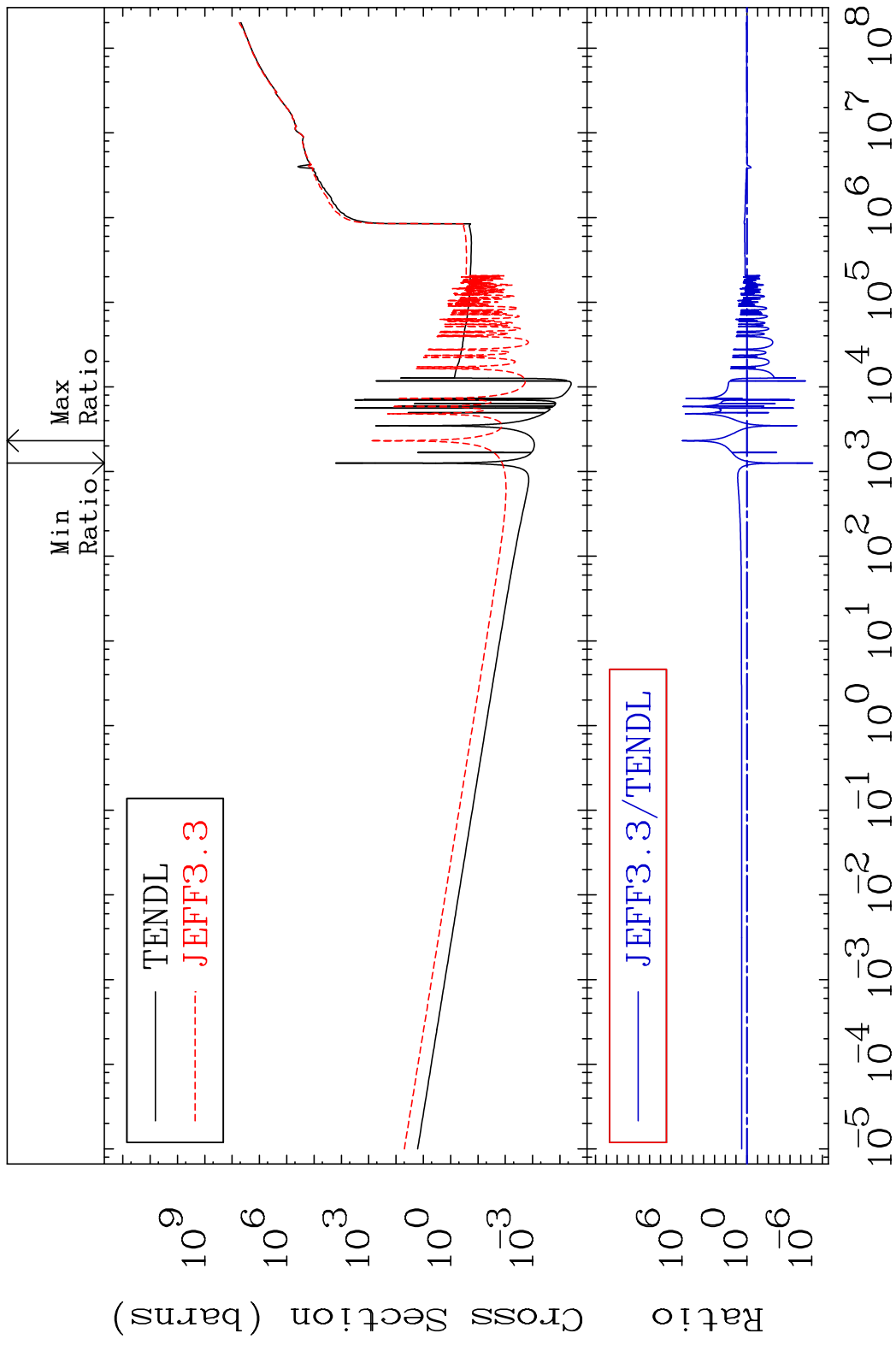
63 Incident Energy (eV) 38-Sr-90

MAT 3843

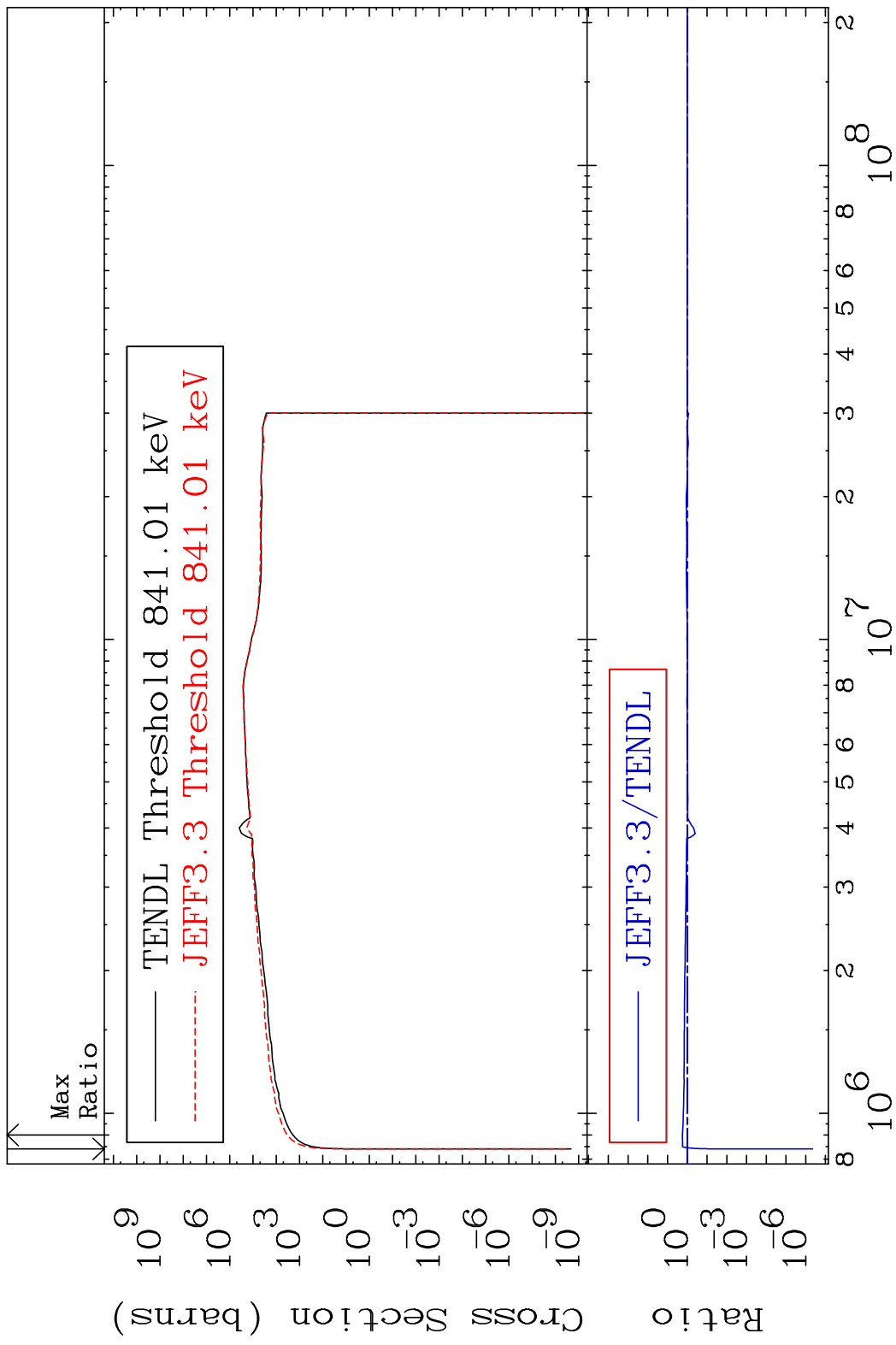
Kerma elastic Cross Section  
-99.96 To 9999. %  
38-Sr-90



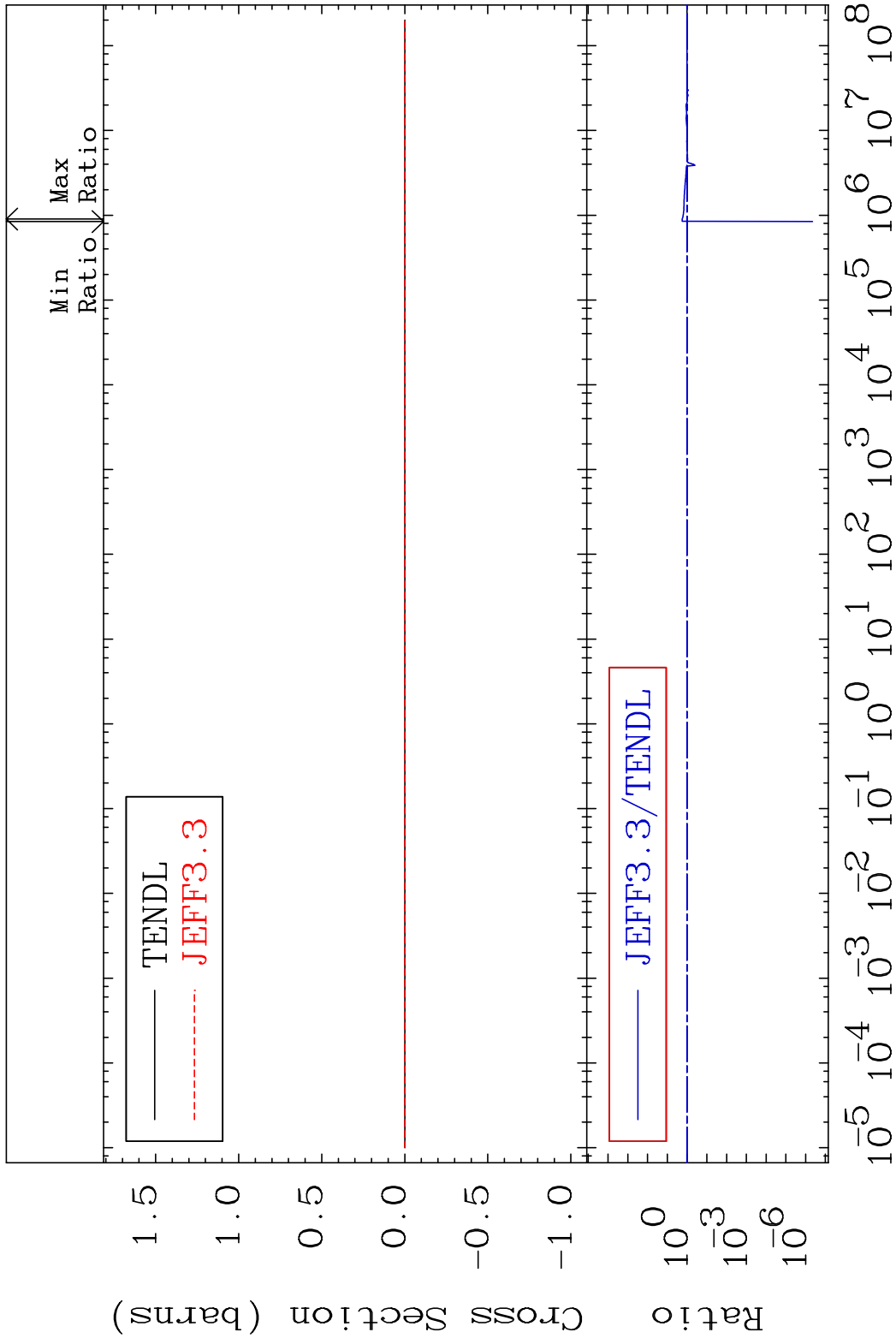
MAT 3843 Kerma non-elastic (all but mt2) 38-Sr-90  
 Cross Section -100.0 To 9999. %



MAT 3843 Kerma inelastic (mt51-91) 38-Sr-90  
 Cross Section -100.0 To 77.11 %

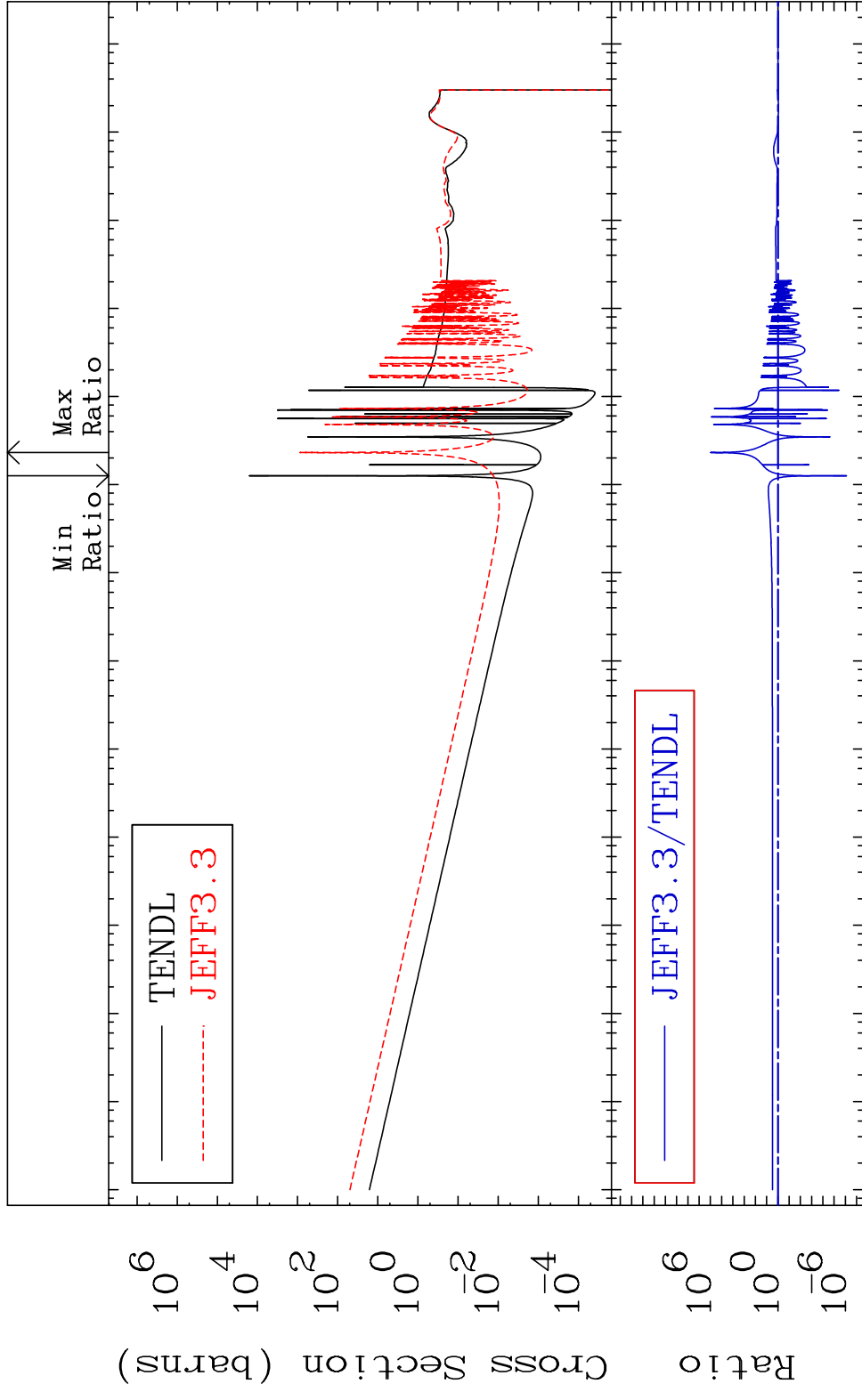


MAT 3843 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-90  
 Cross Section -100.0 To 77.11 %



MAT 3843

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

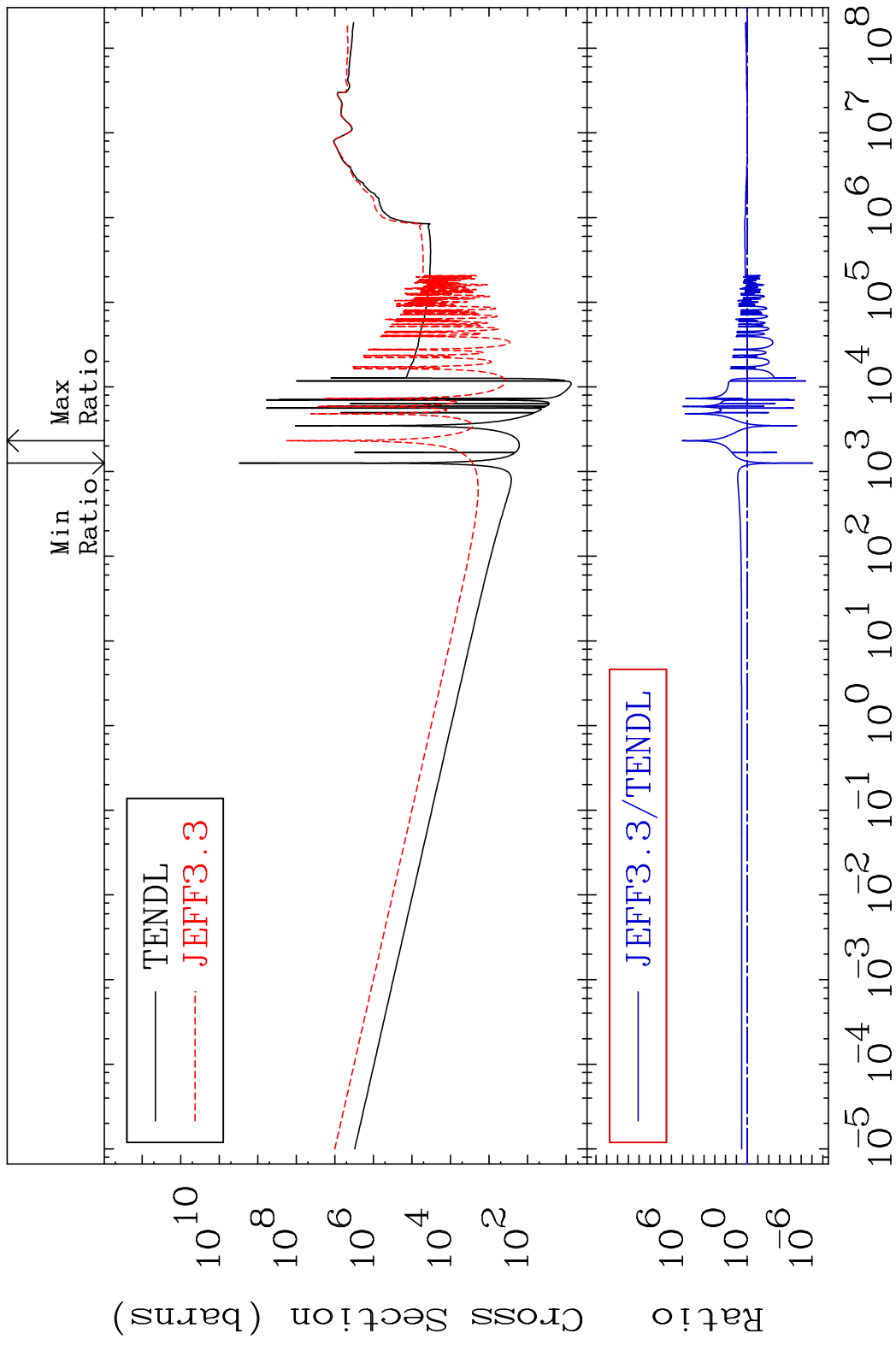


68

Incident Energy (eV)

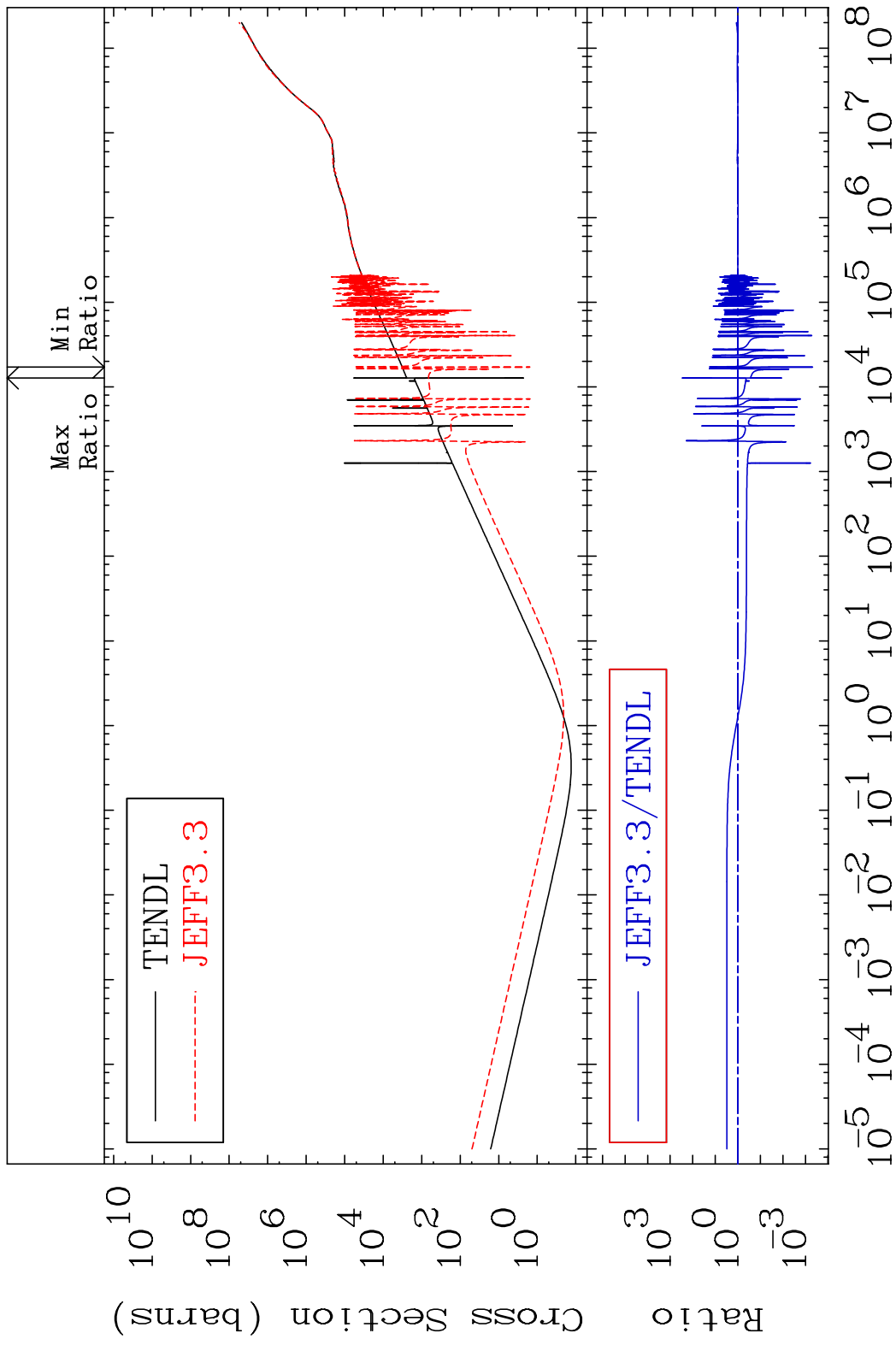
38-Sr-90

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



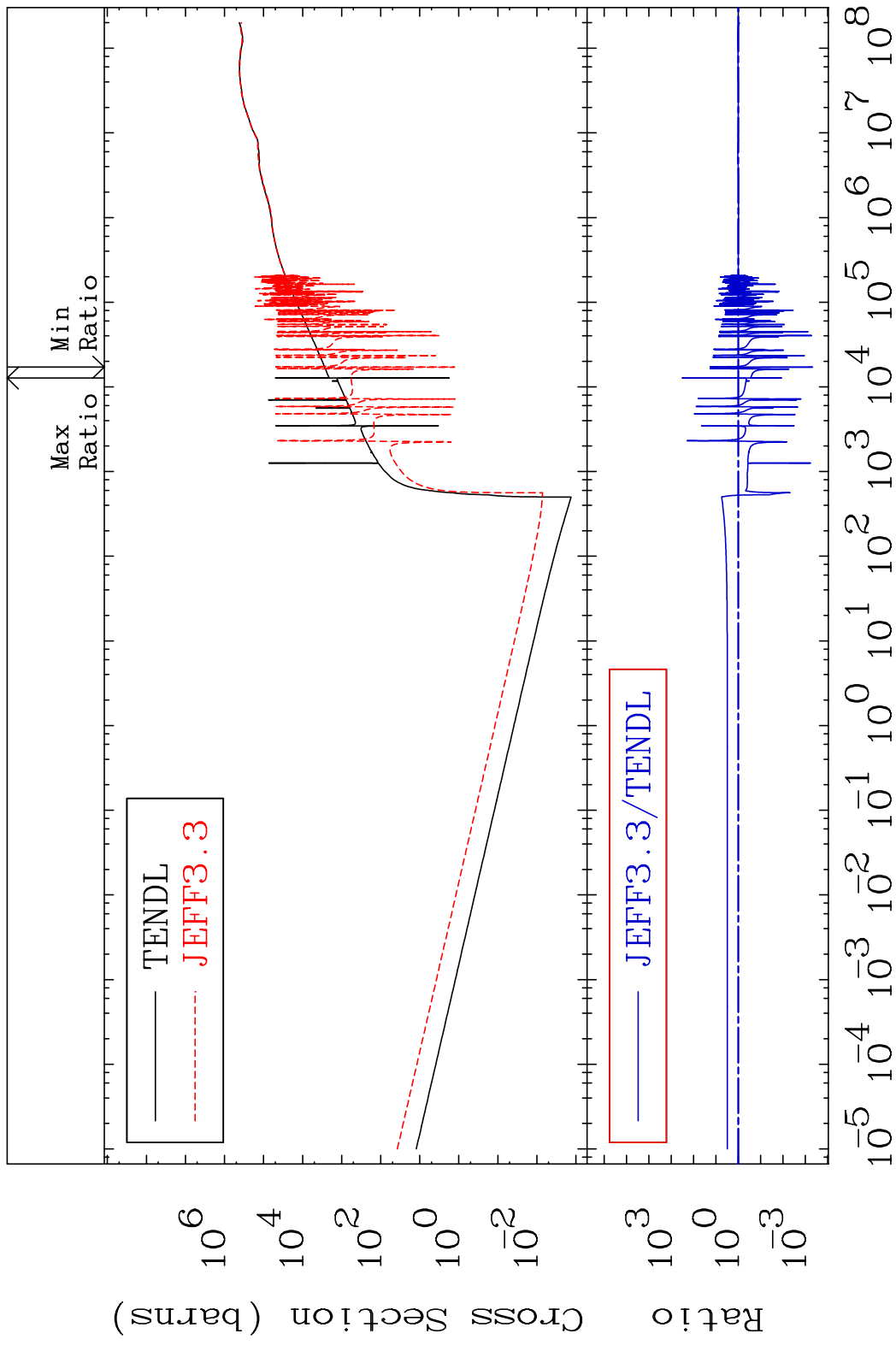
69 Incident Energy (eV) 38-Sr-90

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. %



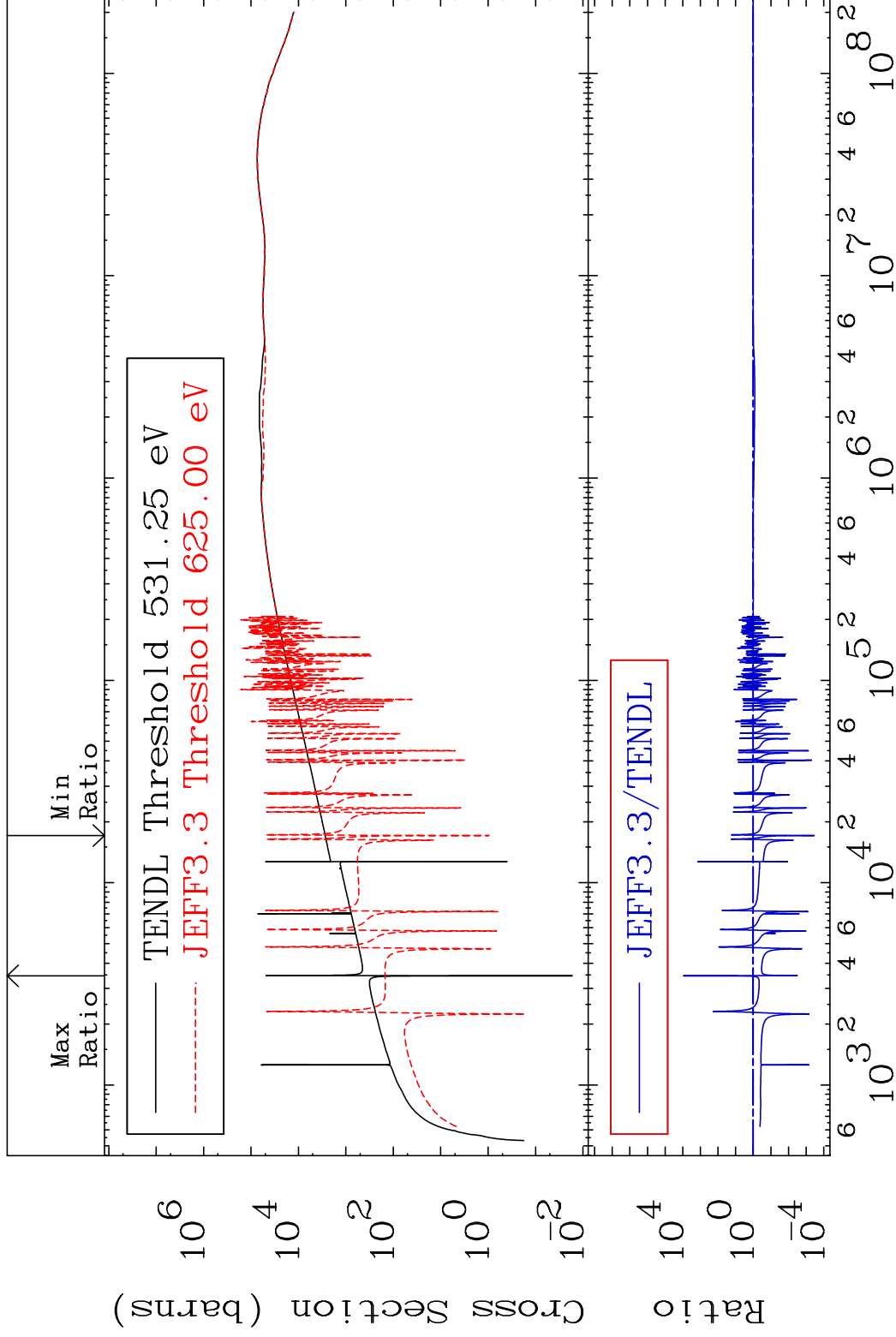
71 Incident Energy (eV) 38-Sr-90

MAT 3843

Dpa elastic (mt2)

38-Sr-90

Cross Section -99.96 To 9999. %

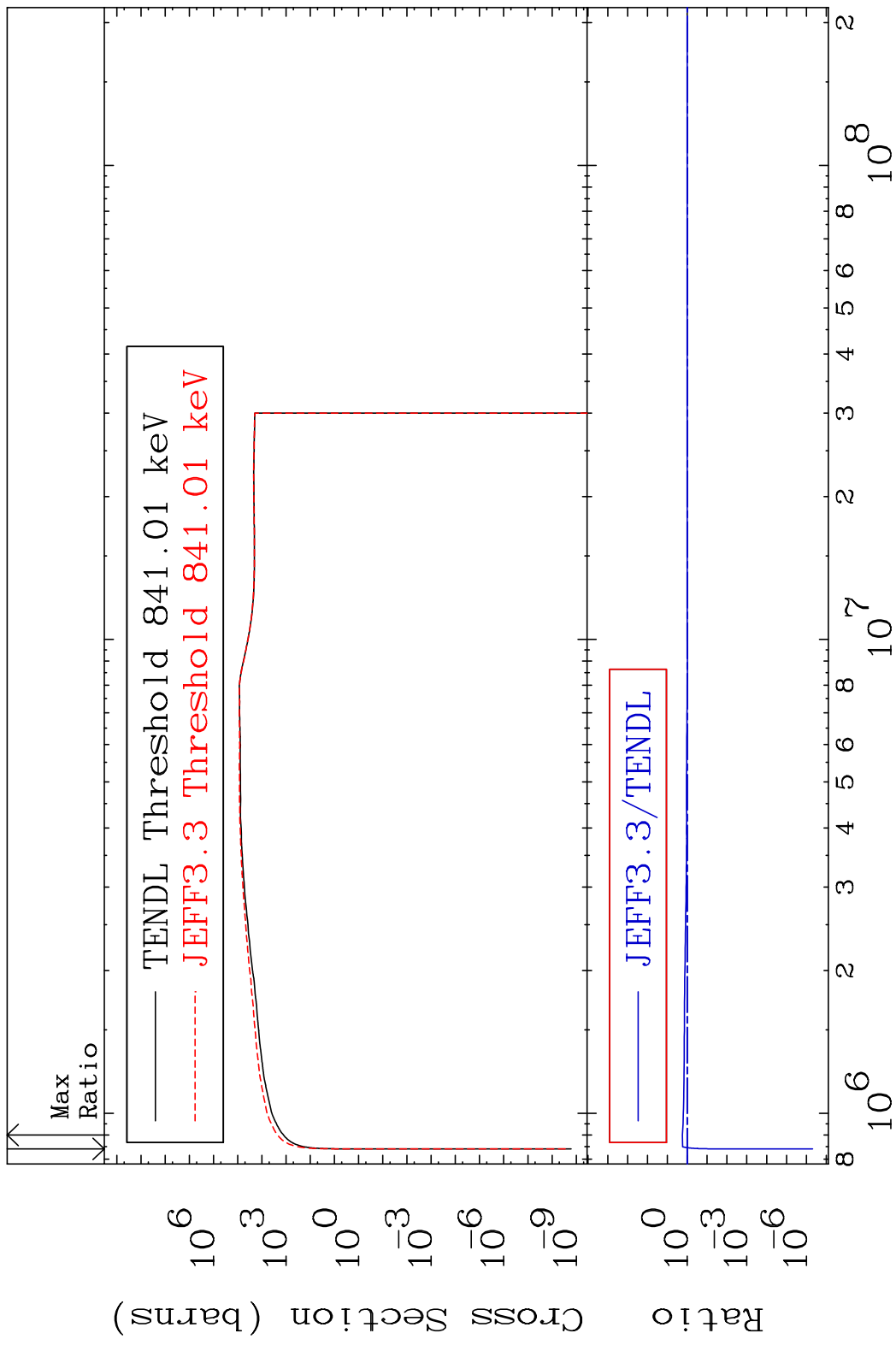


72

Incident Energy (eV)

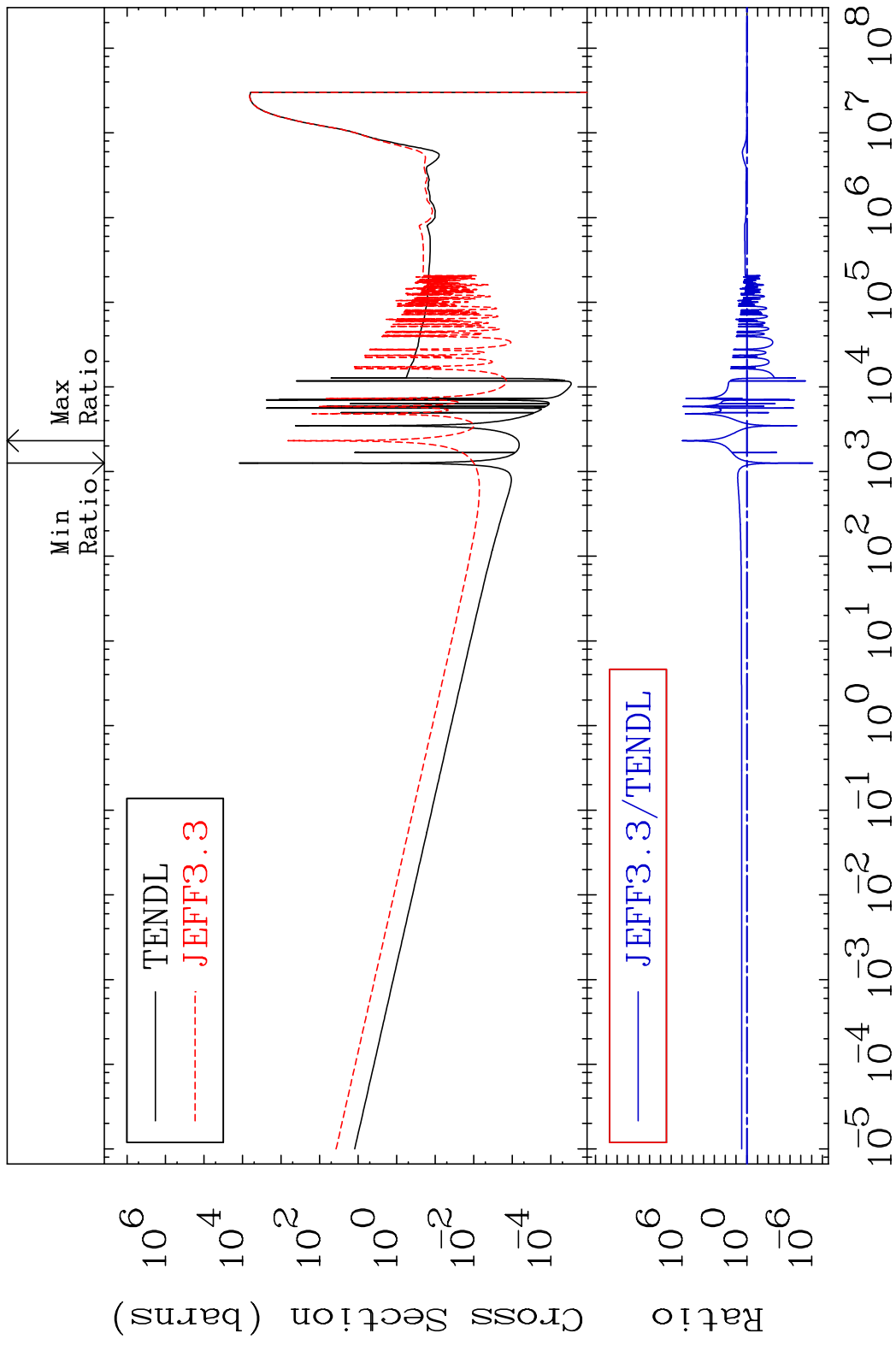
38-Sr-90

MAT 3843 Dpa inelastic (mt51-91) 38-Sr-90  
 Cross Section -100.0 To 77.14 %



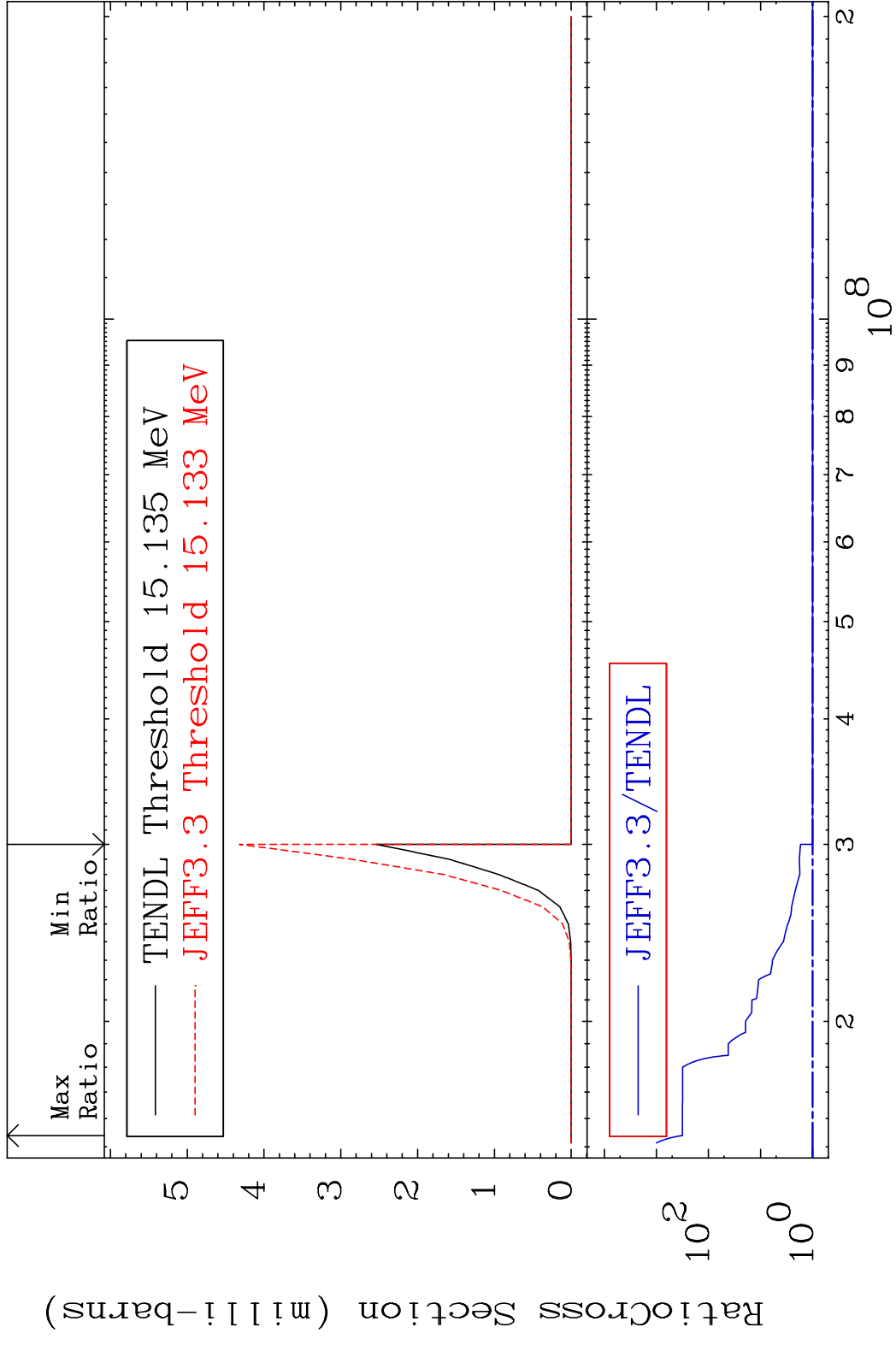
73 Incident Energy (eV) 38-Sr-90

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

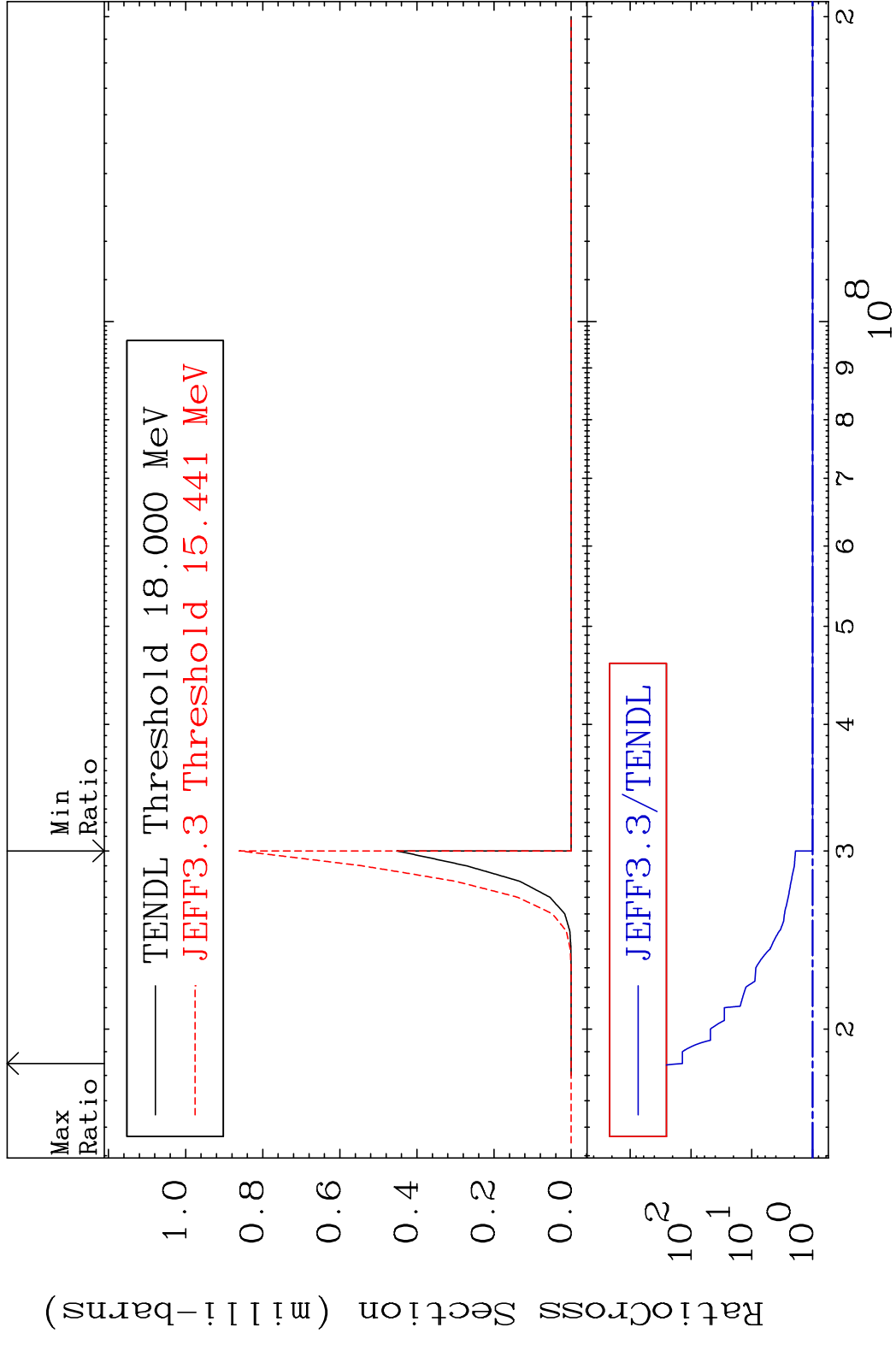


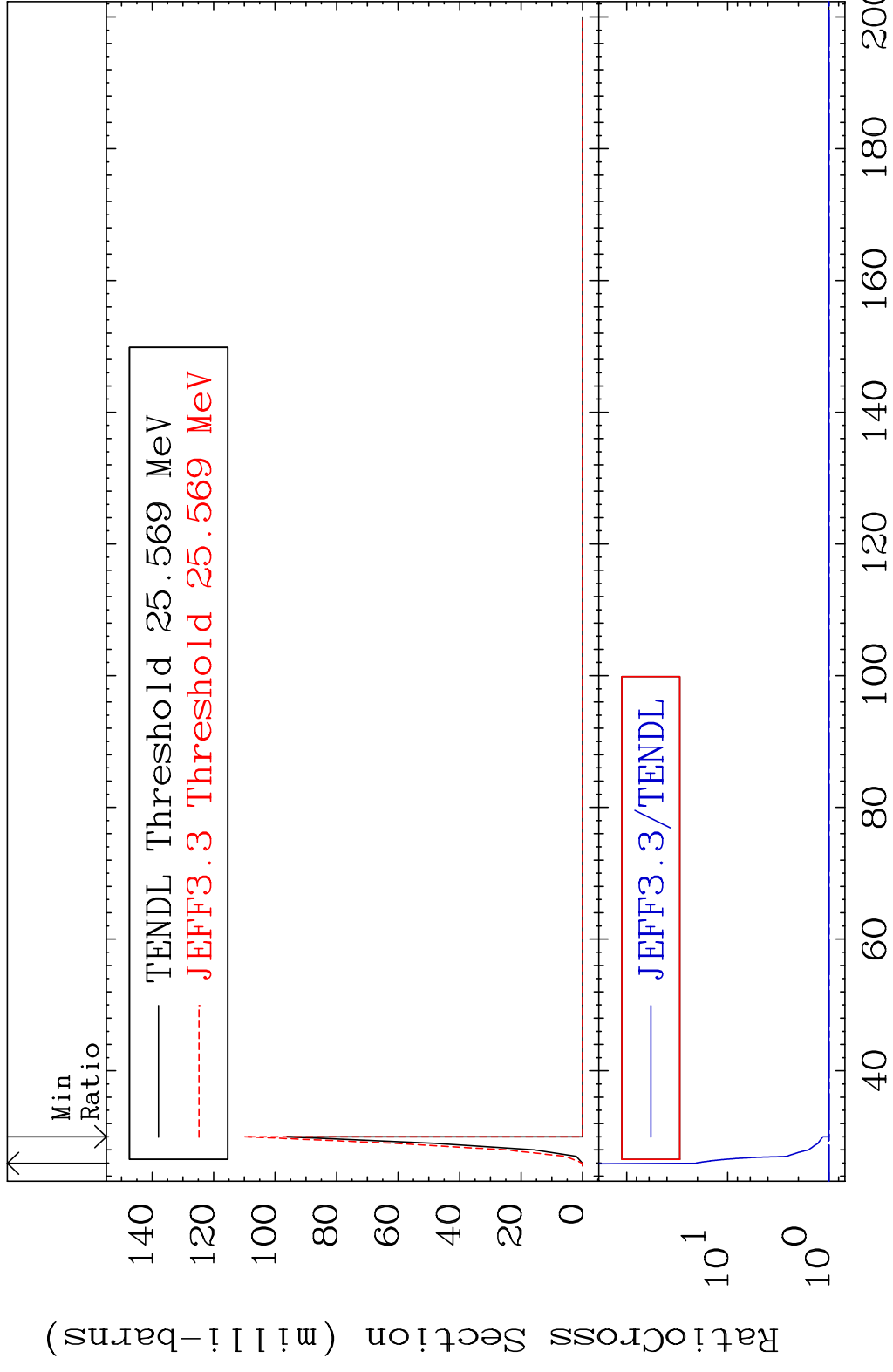
74 Incident Energy (eV) 38-Sr-90

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

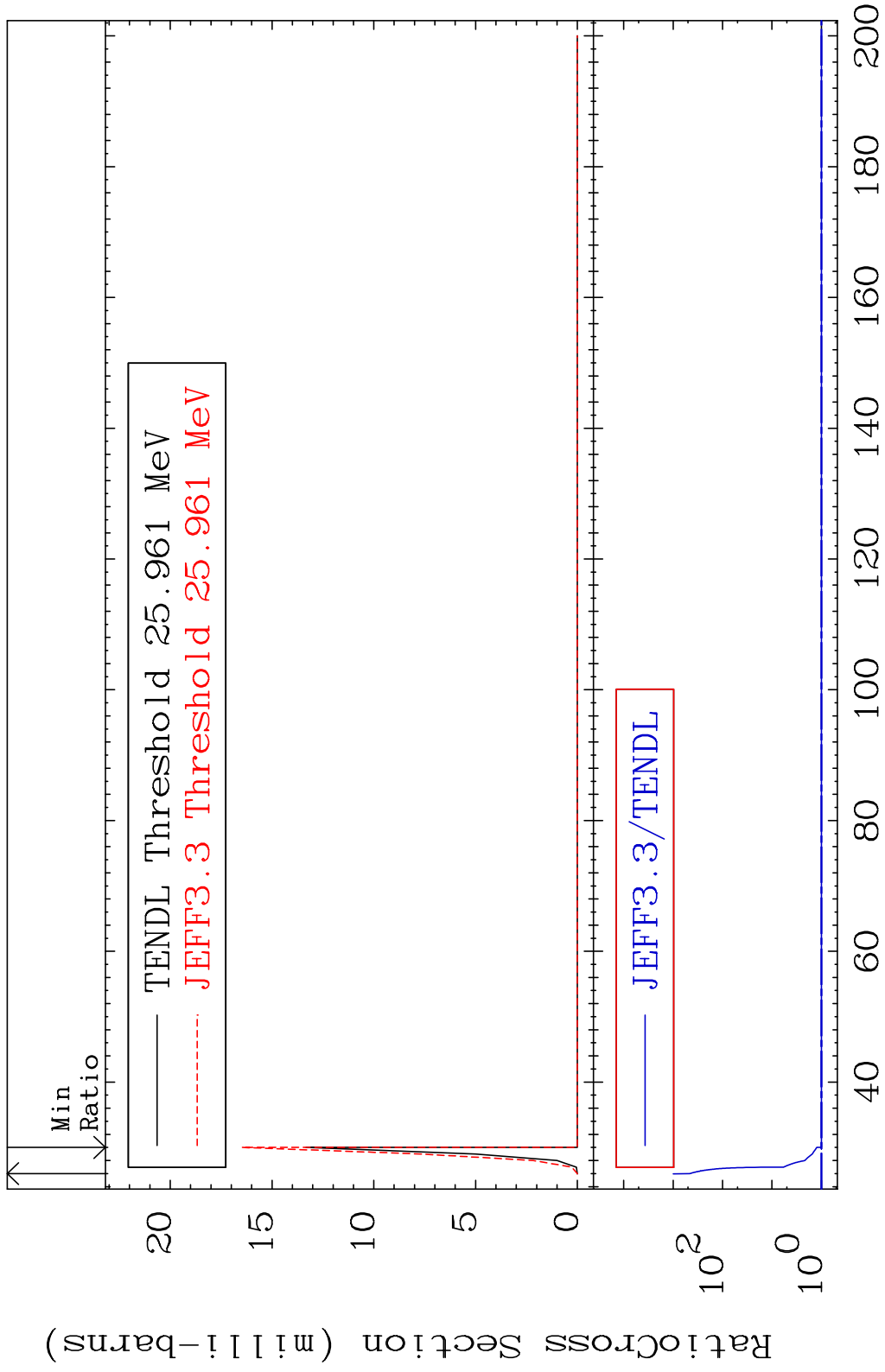


MAT 3843 (n,2n)  $\alpha$ :36-Kr-85m1 38-Sr-90  
 Radionuclide Production Cross Section 9999. %

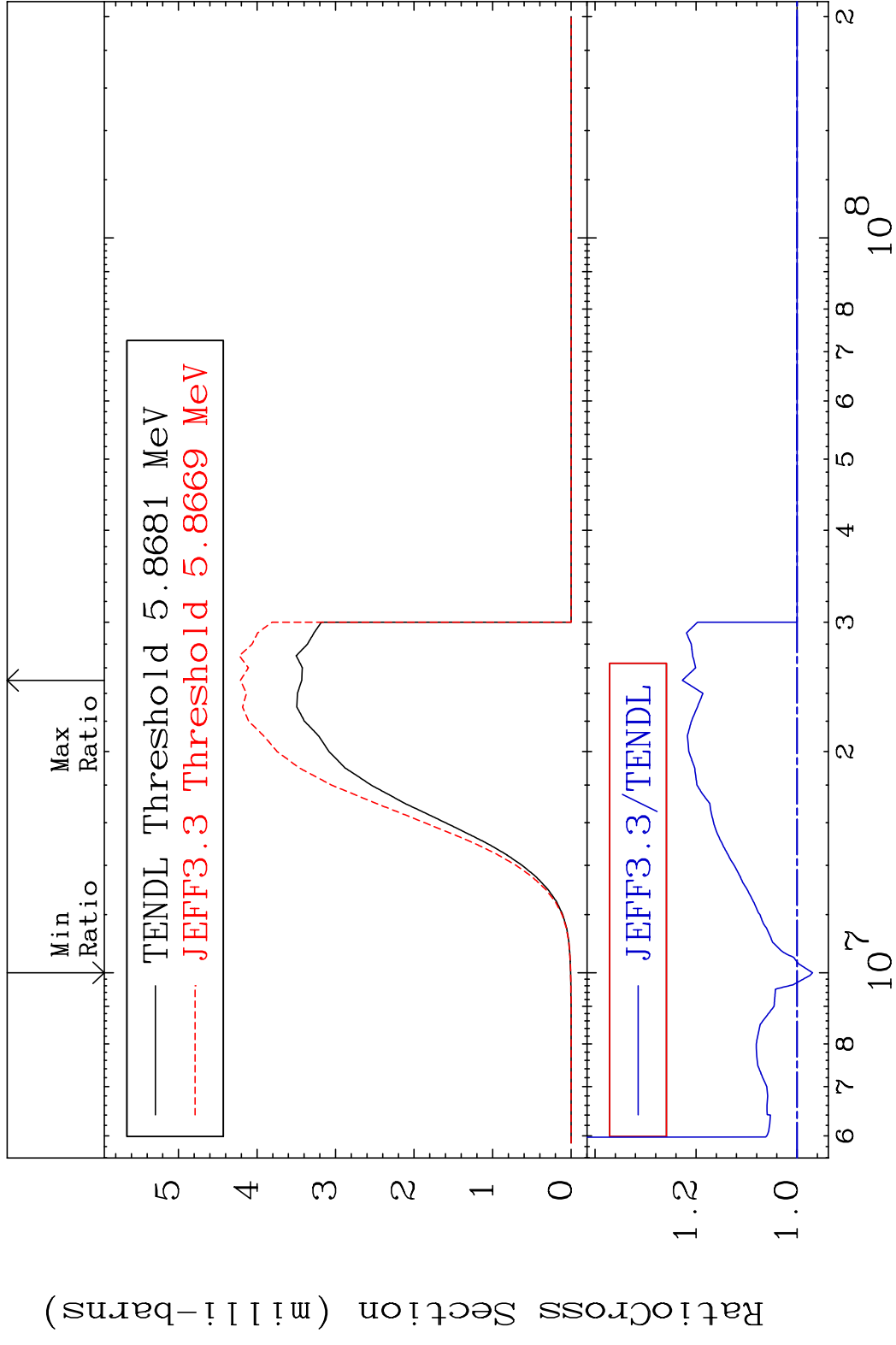




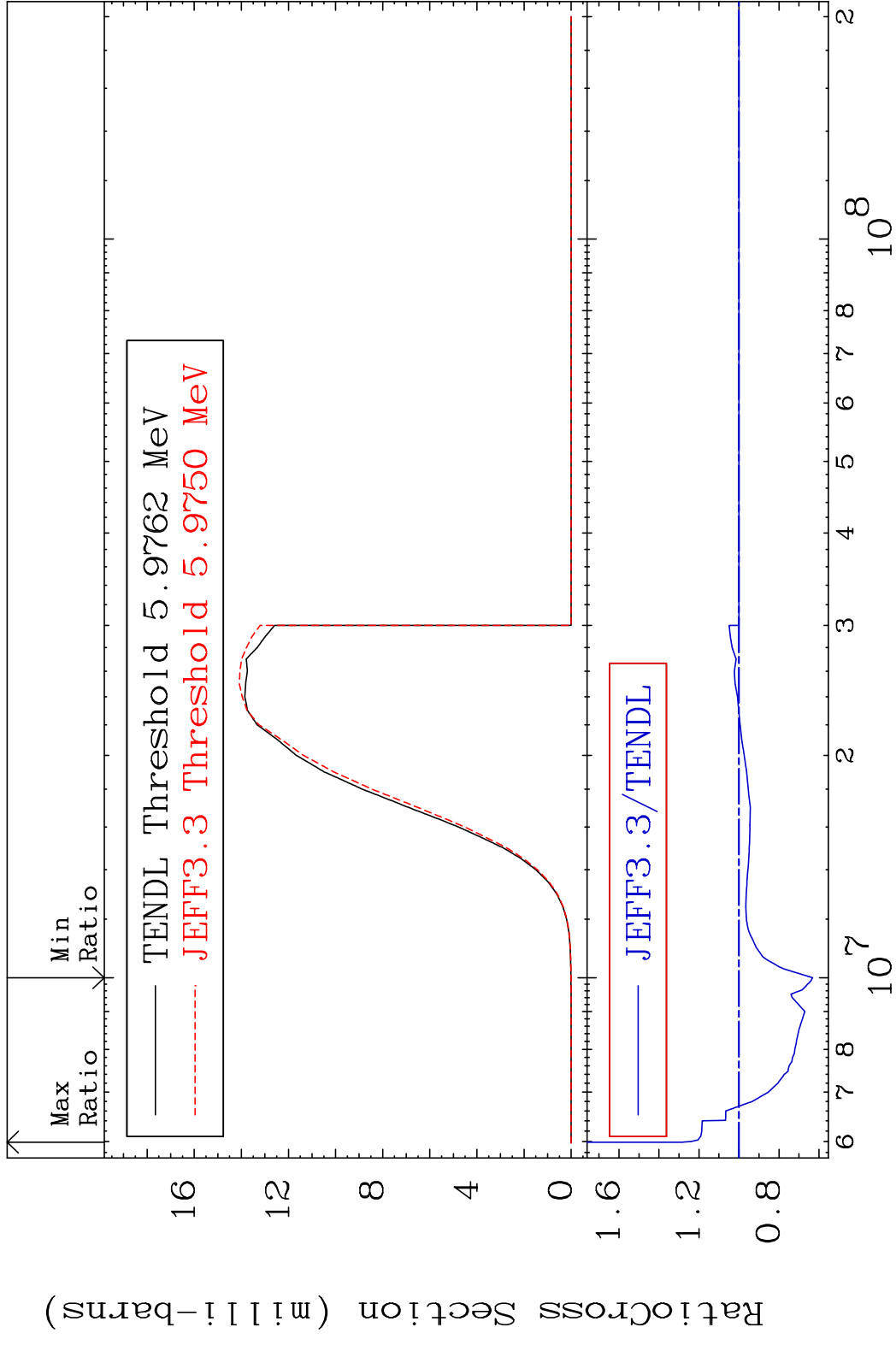
MAT 3843 (n,4n):38-Sr-87m1 38-Sr-90  
 Radionuclide Production Cross Section 9999. %



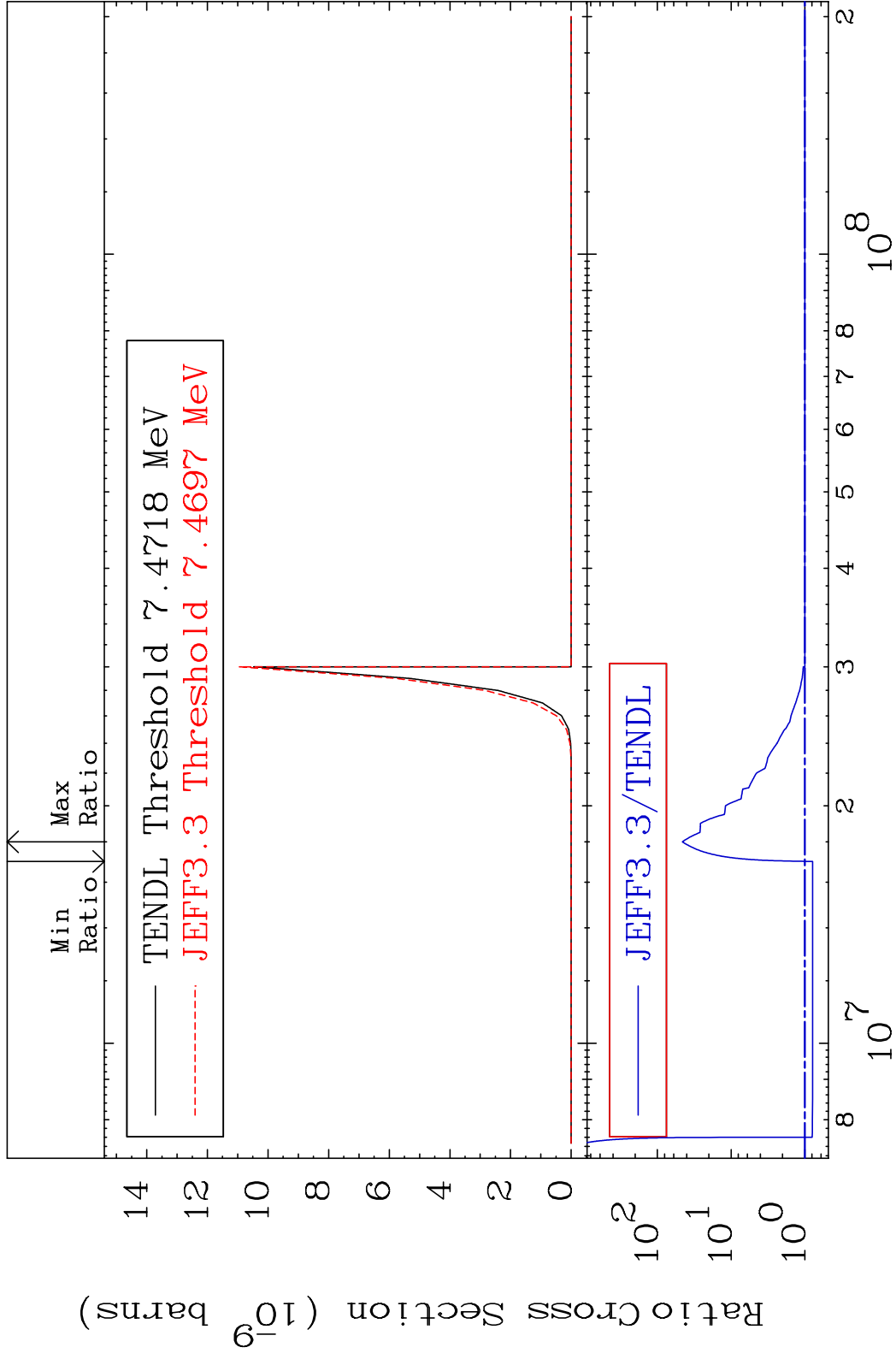
MAT 3843 (n, p): 37-Rb-90g 38-Sr-90  
 Radionuclide Production Cross Section 22.72 %



MAT 3843 (n,p):37-Rb-90m1 38-Sr-90  
 Radionuclide Production Cross Section 28.31 %



80 Incident Energy (eV) 38-Sr-90



MAT 3843 (n,2α):34-Se-83m1 38-Sr-90  
 Radionuclide Production Cross Section 9999. %

