

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

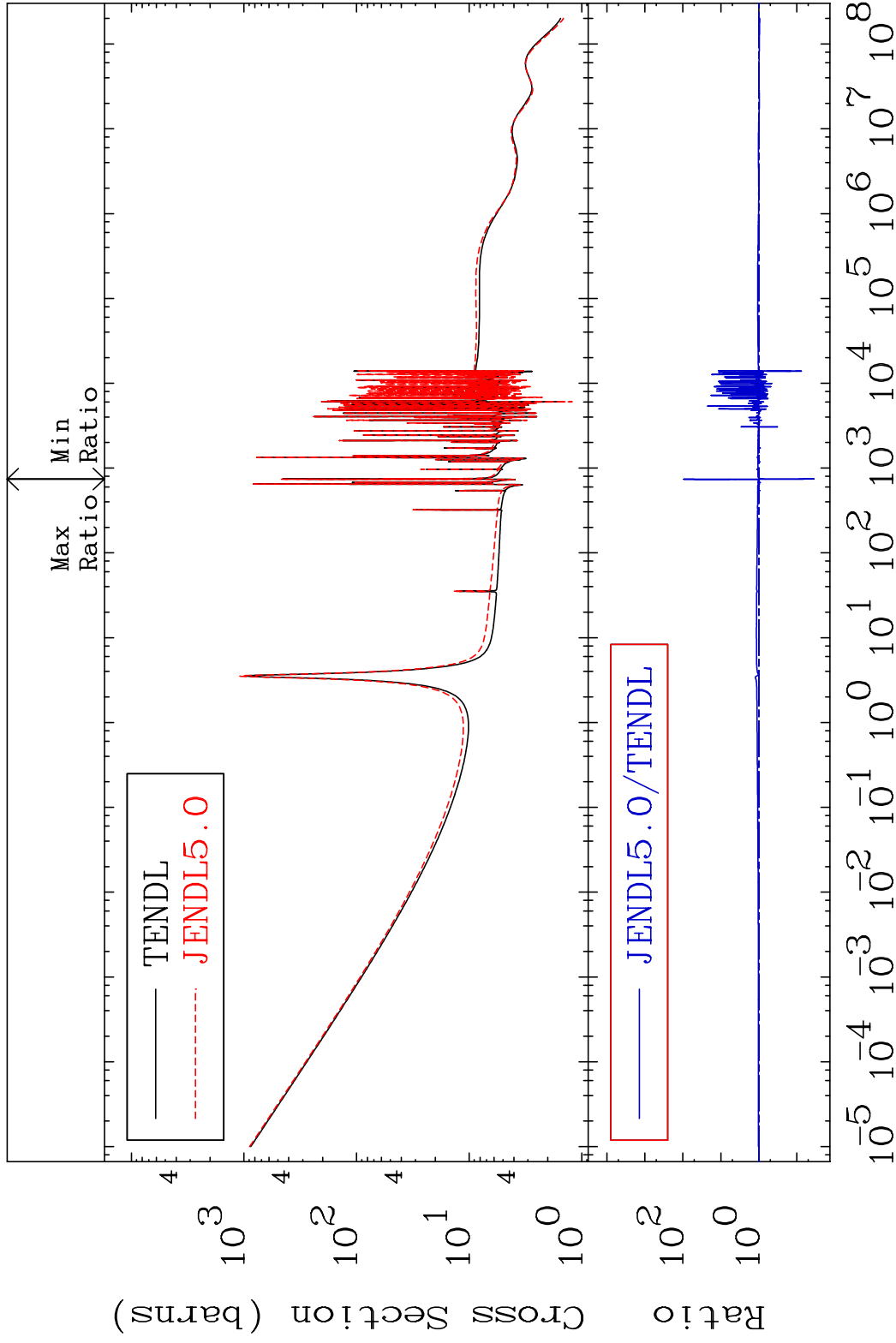
Press Mouse Button to Start

MAT 3834

Total

38-Sr-87

Cross Section -96.49 To 9436. %



1

Incident Energy (eV)

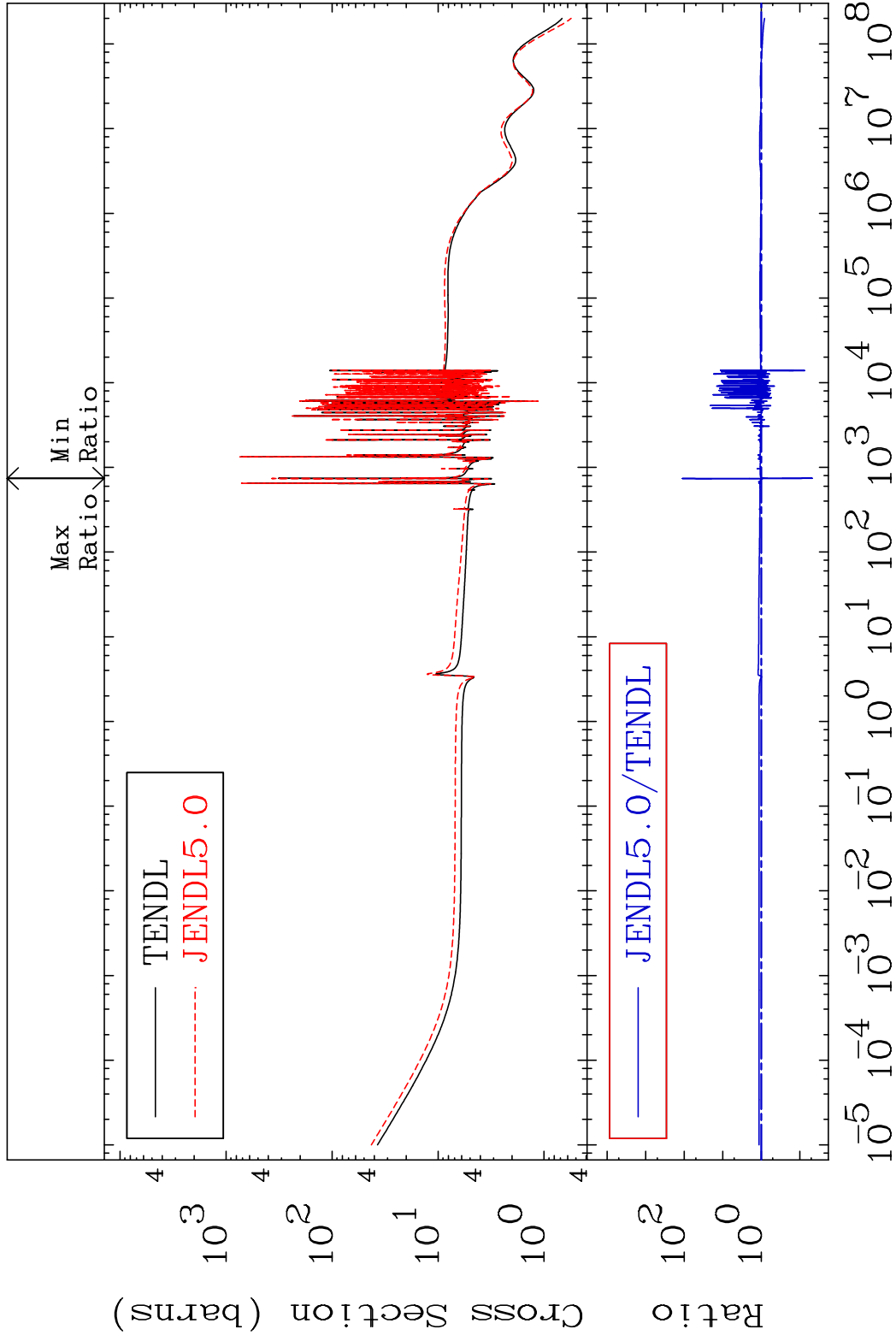
38-Sr-87

MAT 3834

Elastic

38-Sr-87

Cross Section -95.35 To 9999. %

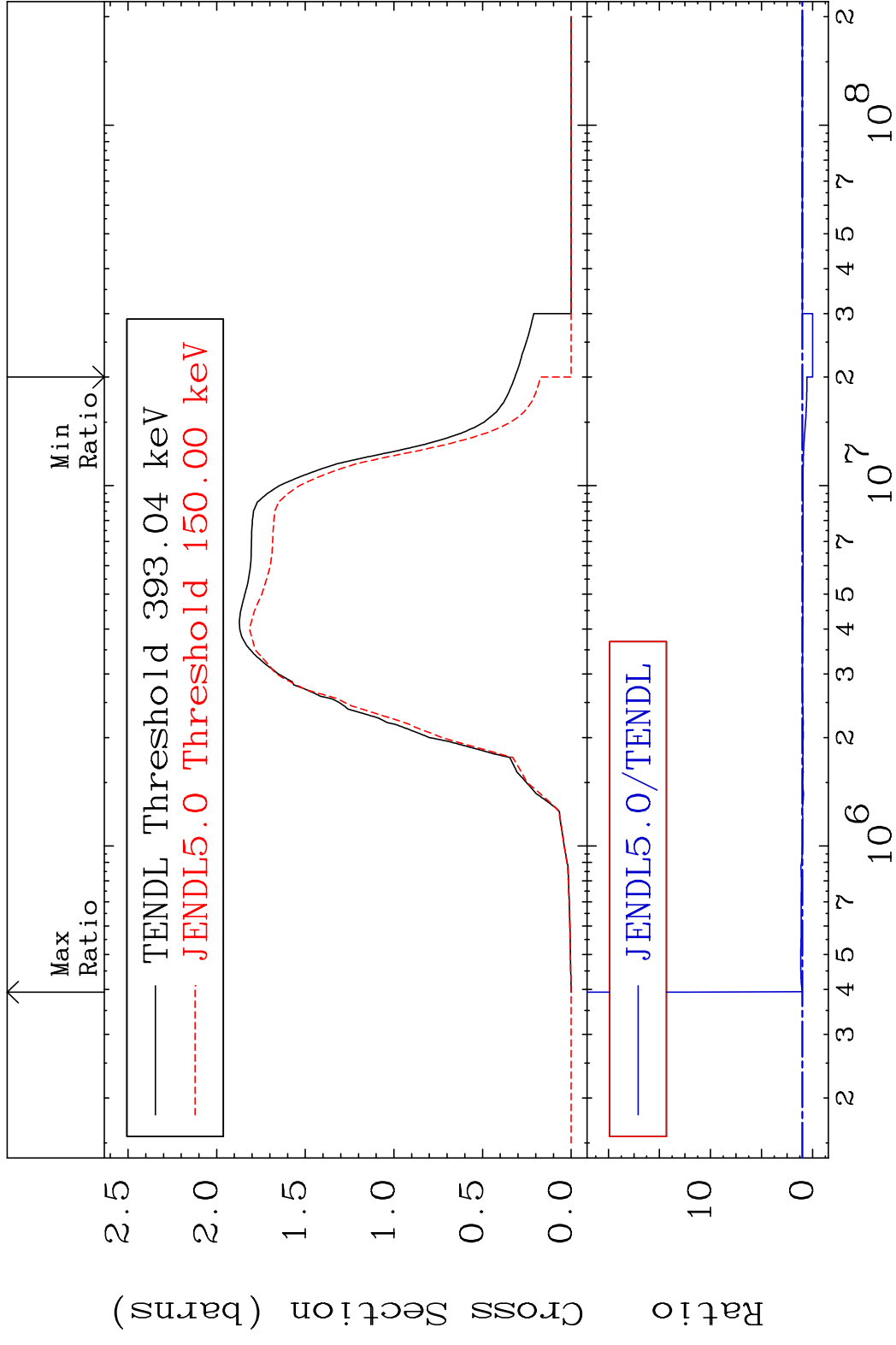


2

Incident Energy (eV)

38-Sr-87

MAT 3834 Inelastic Cross Section -100.0 To 1176. % 38-Sr-87

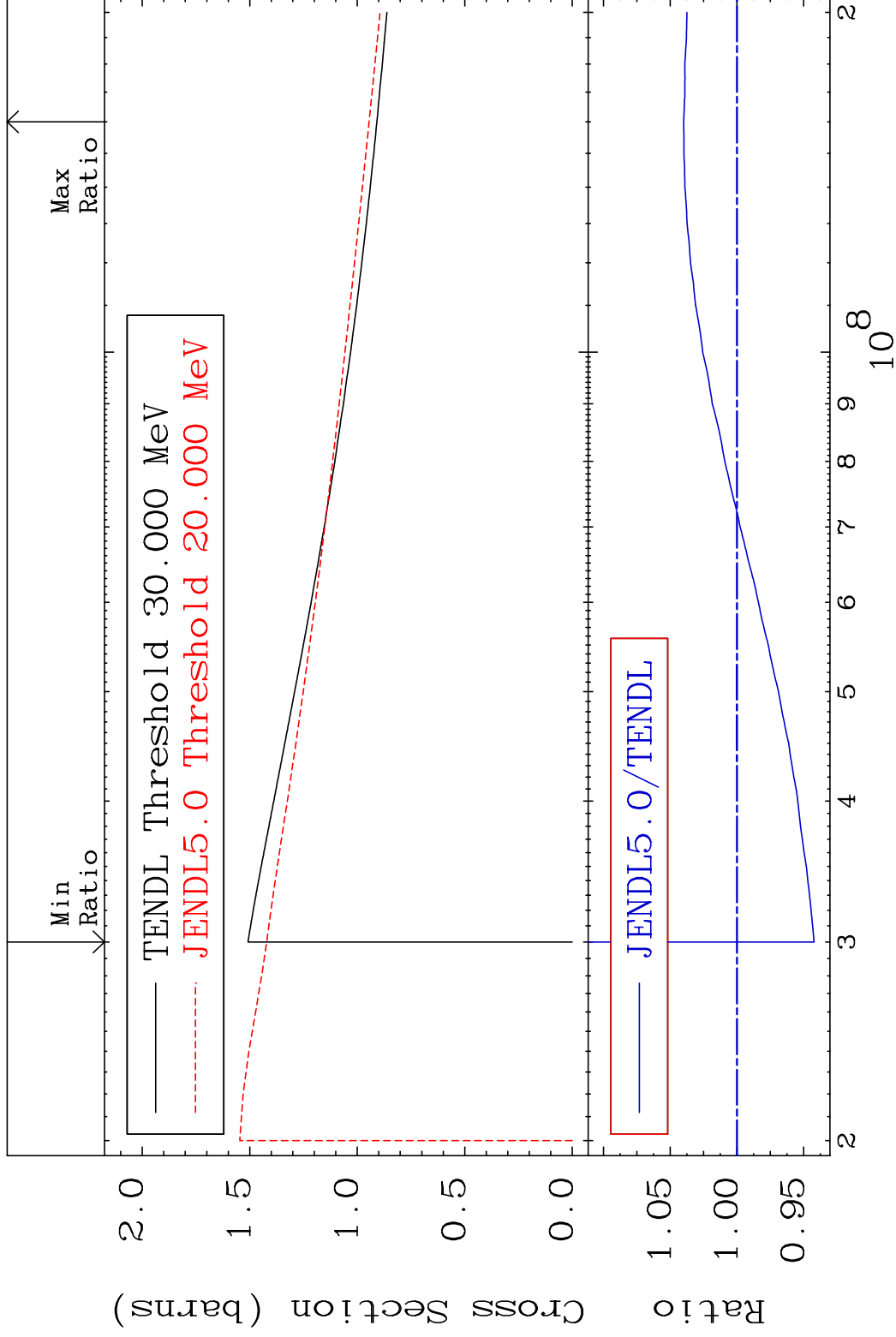


MAT 3834

(n, remainder)

38-Sr-87

Cross Section -5.778 To 3.997 %



4

Incident Energy (eV)

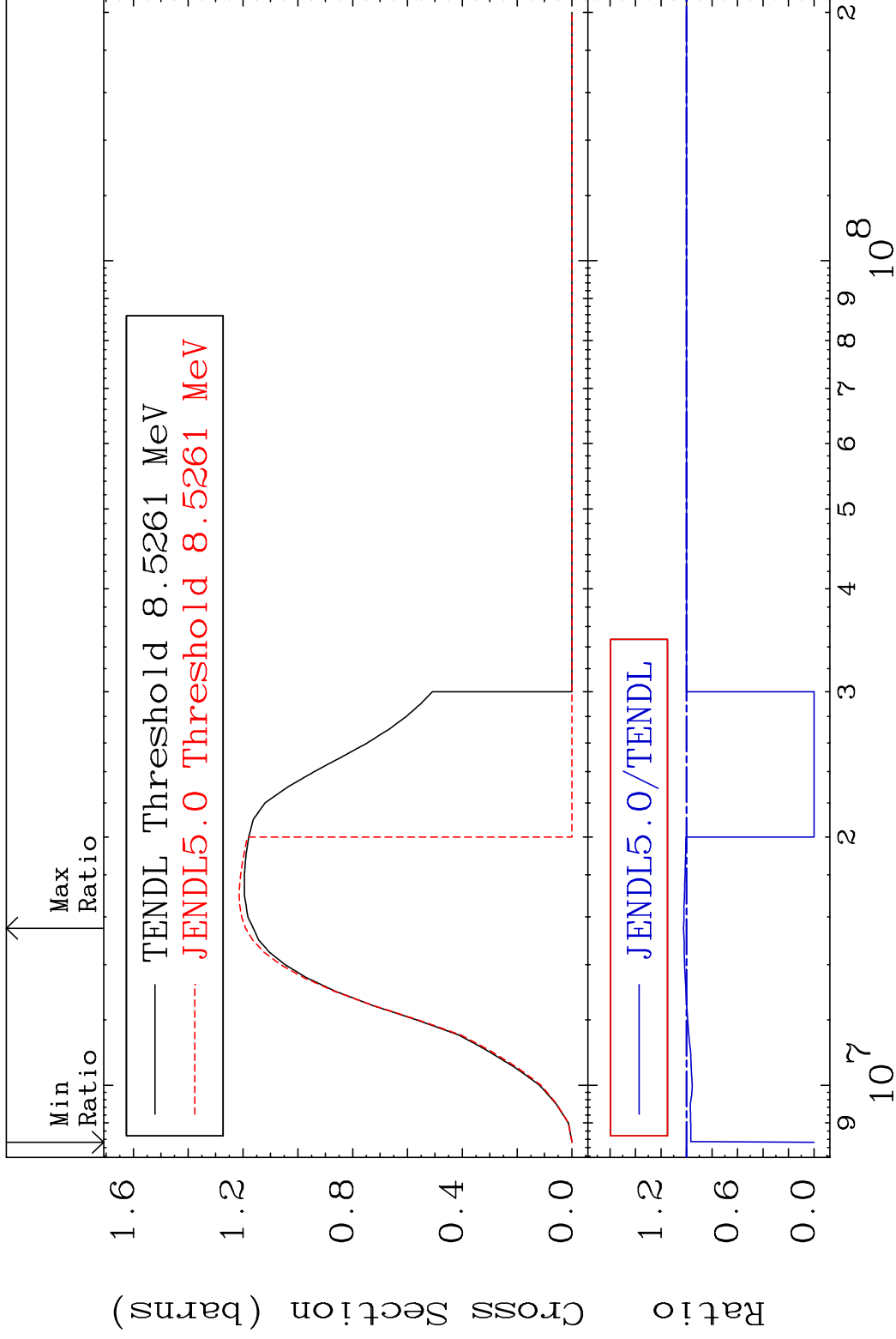
38-Sr-87

MAT 3834

(n,2n)

38-Sr-87

Cross Section -100.0 To 2.403 %

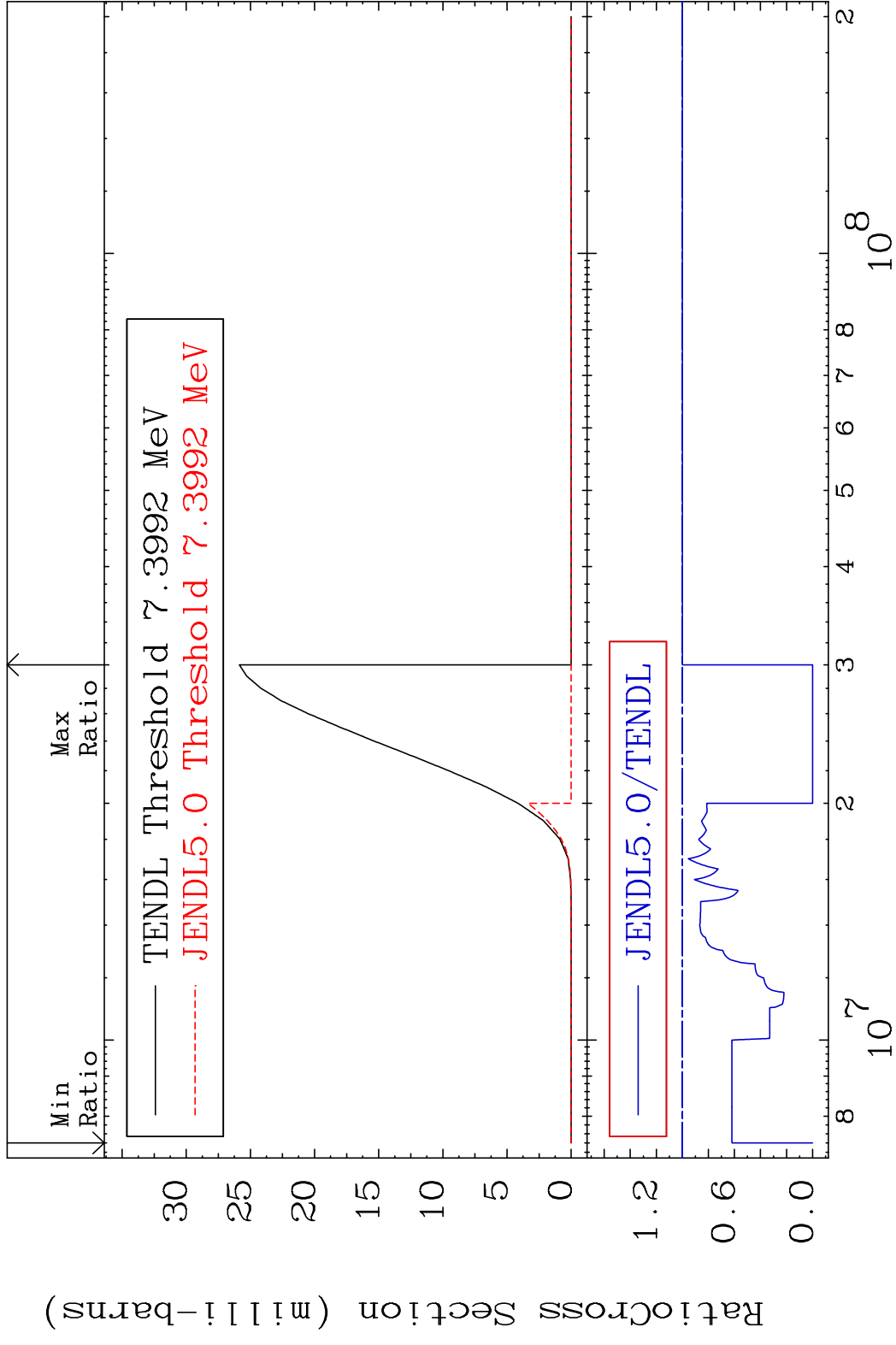


5

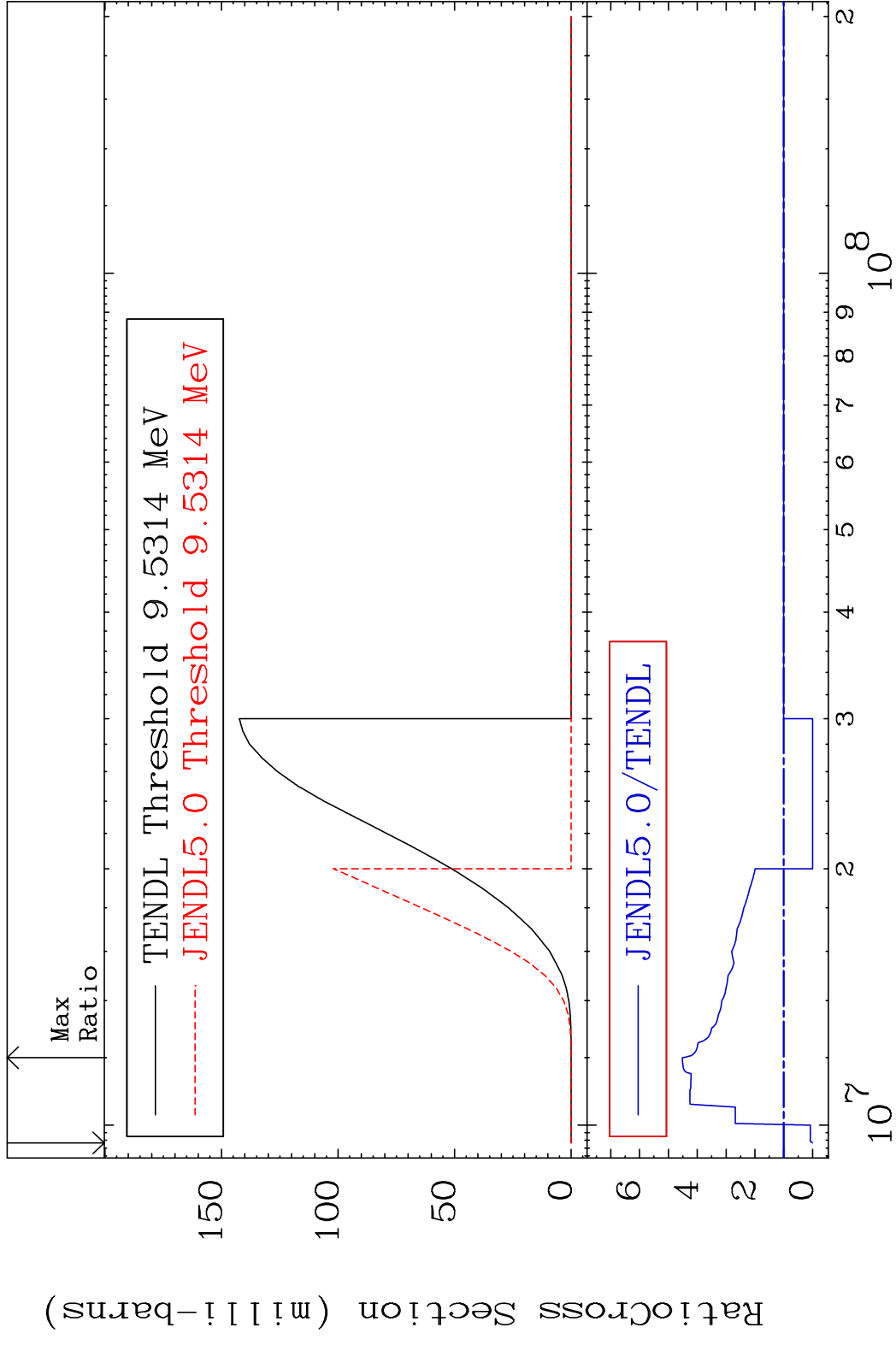
Incident Energy (eV)

38-Sr-87

MAT 3834 (n, n')  $\alpha$  38-Sr-87  
 Cross Section -100.0 To 0.000 %



MAT 3834 (n, n') p 38-Sr-87  
 Cross Section -100.0 To 351.6 %



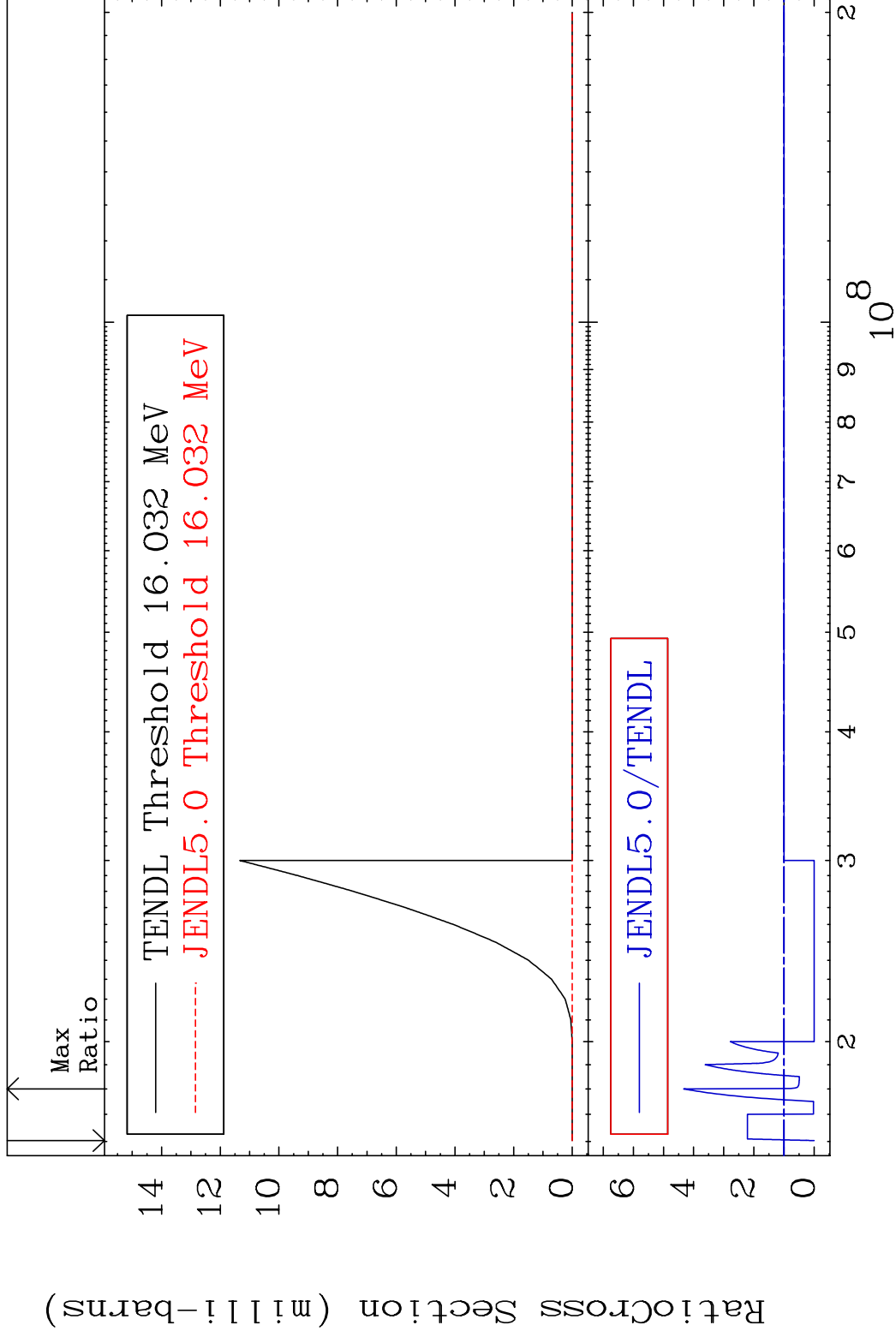
7 8 9 2  
 10 10 10 10  
 38-Sr-87

MAT 3834

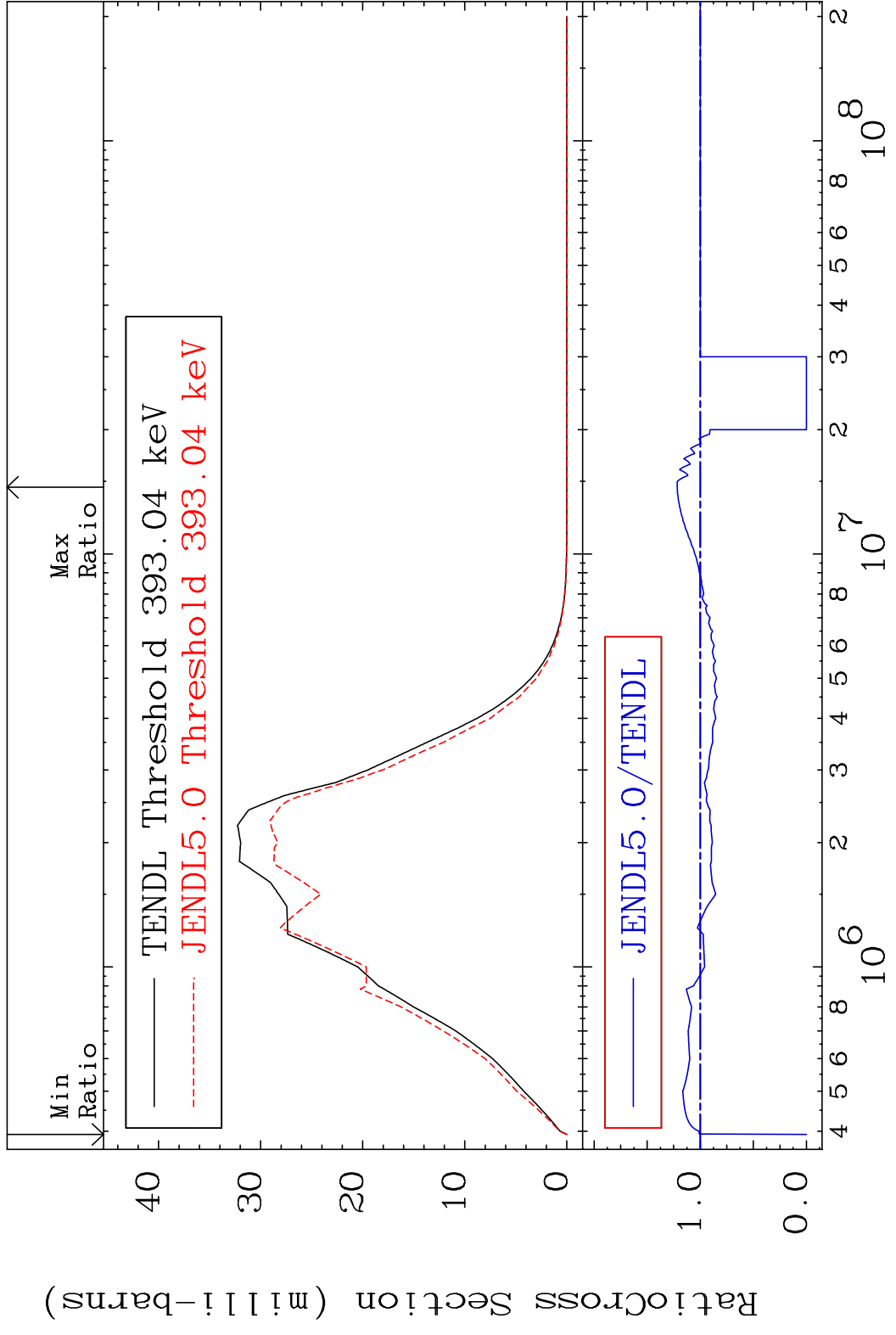
(n, n') d

38-Sr-87

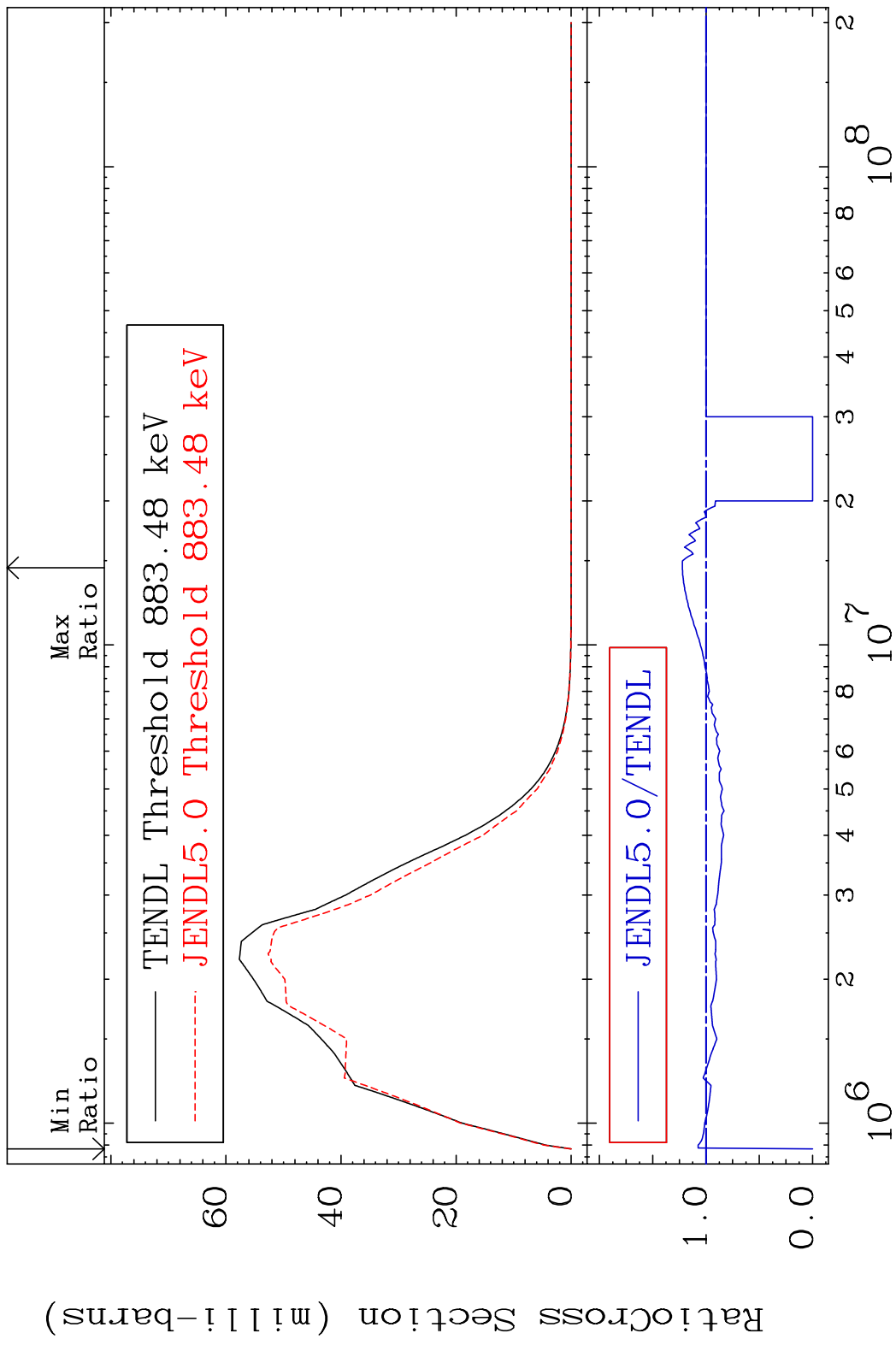
Cross Section -100.0 To 333.1 %



MAT 3834 MT= 51 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 21.73 %

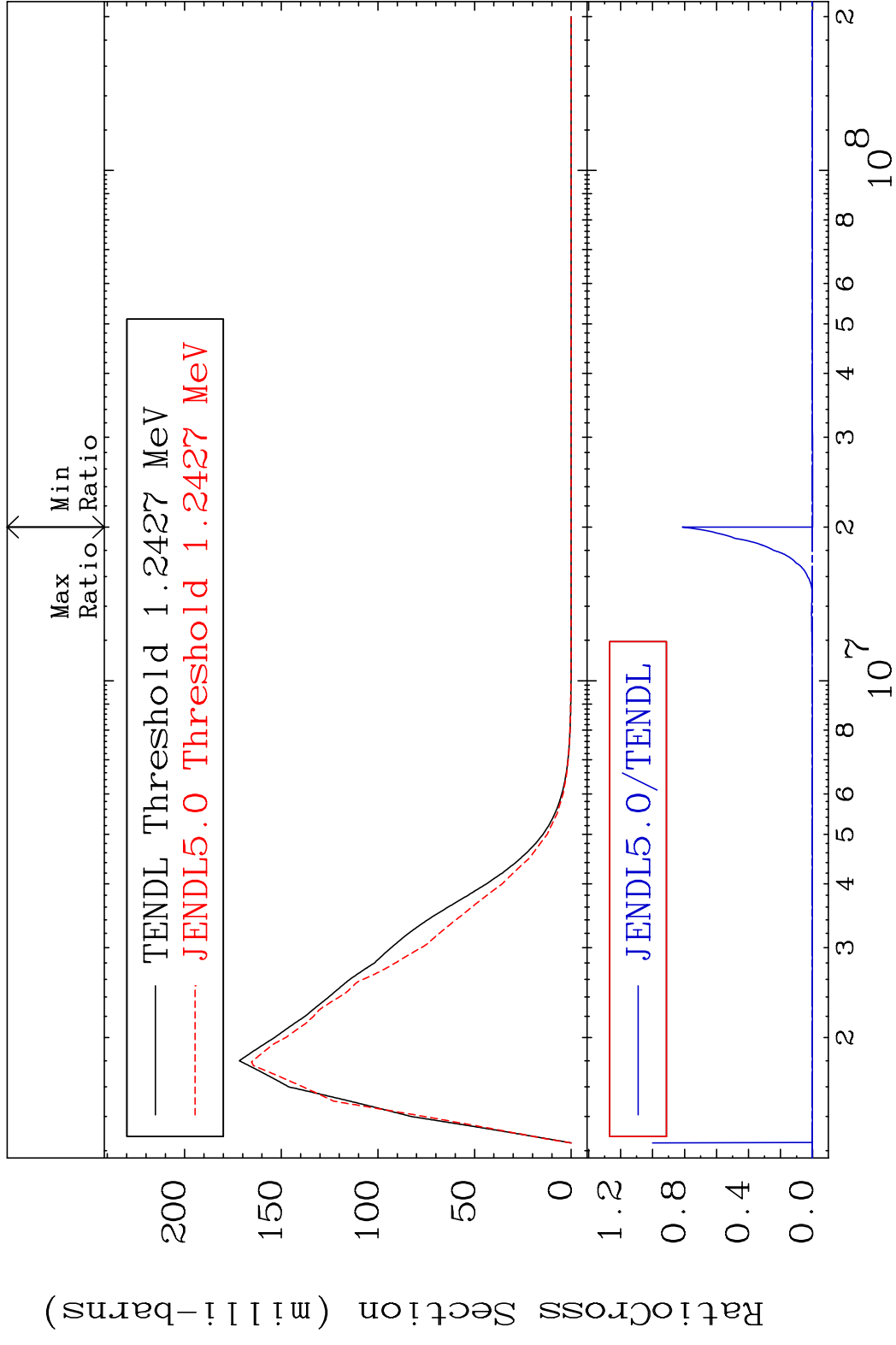


MAT 3834 MT= 52 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 22.19 %

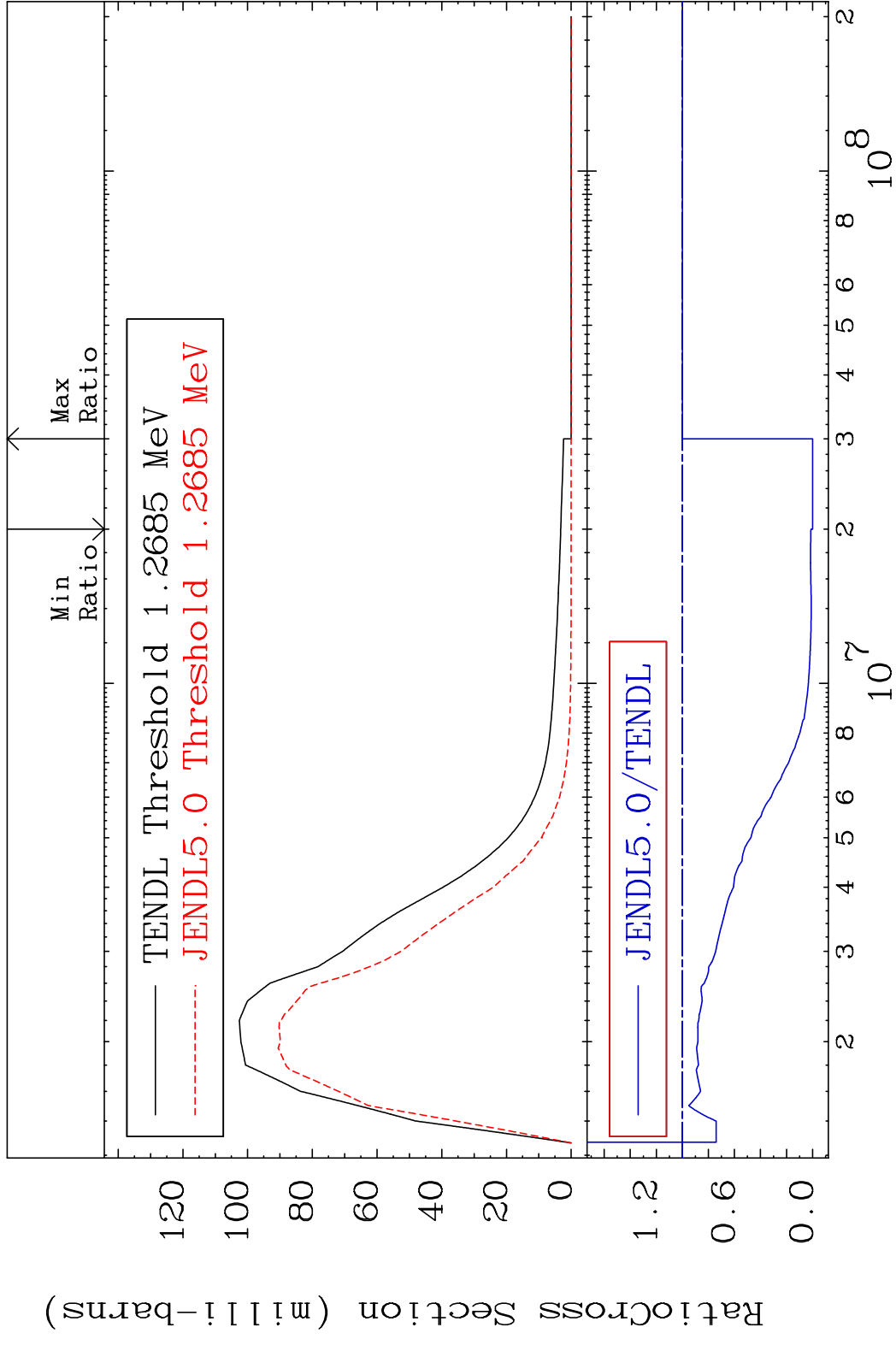


10 2 3 4 5 6 7 8 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 38-Sr-87

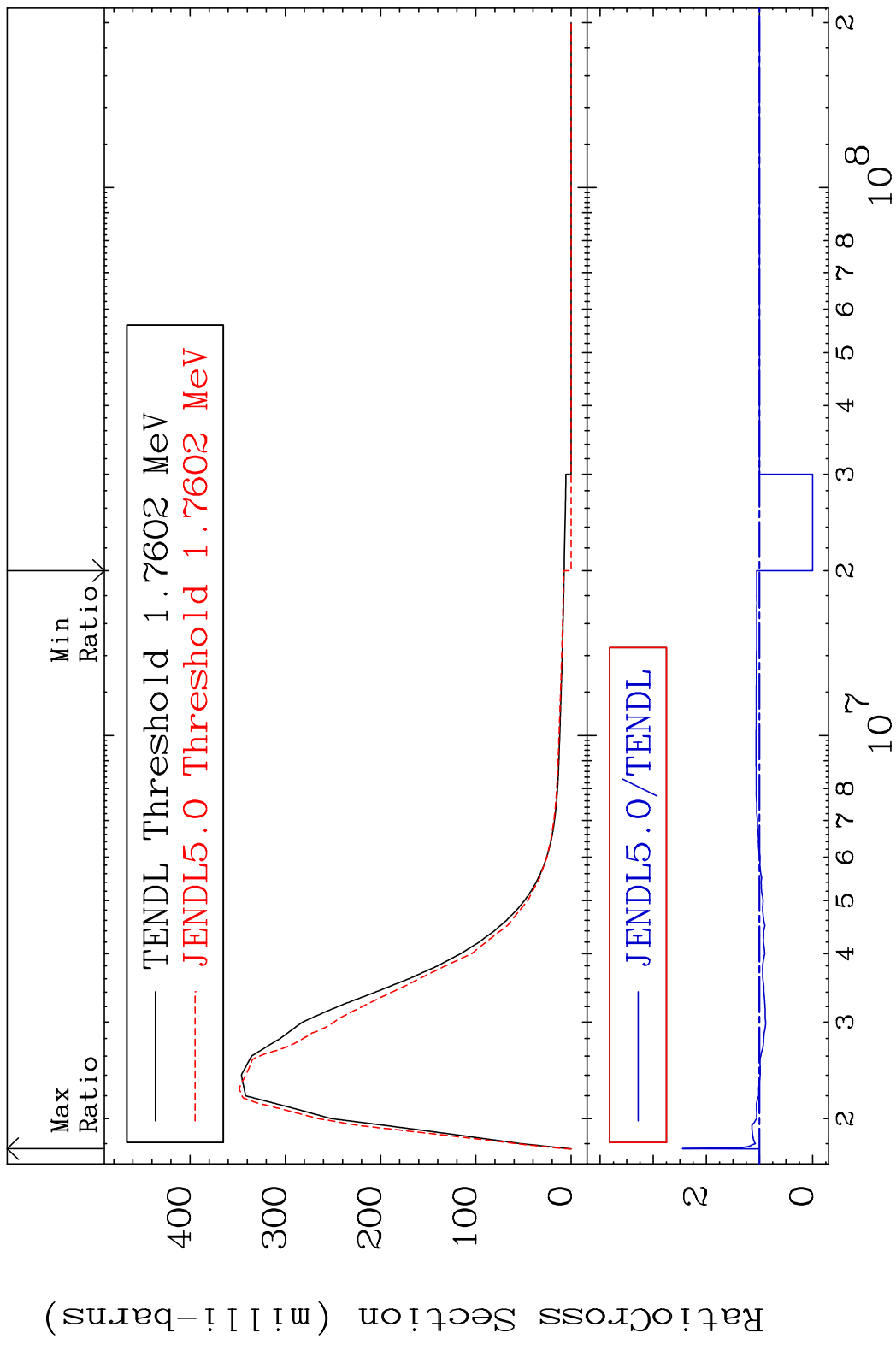
MAT 3834 MT= 53 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 9999. %



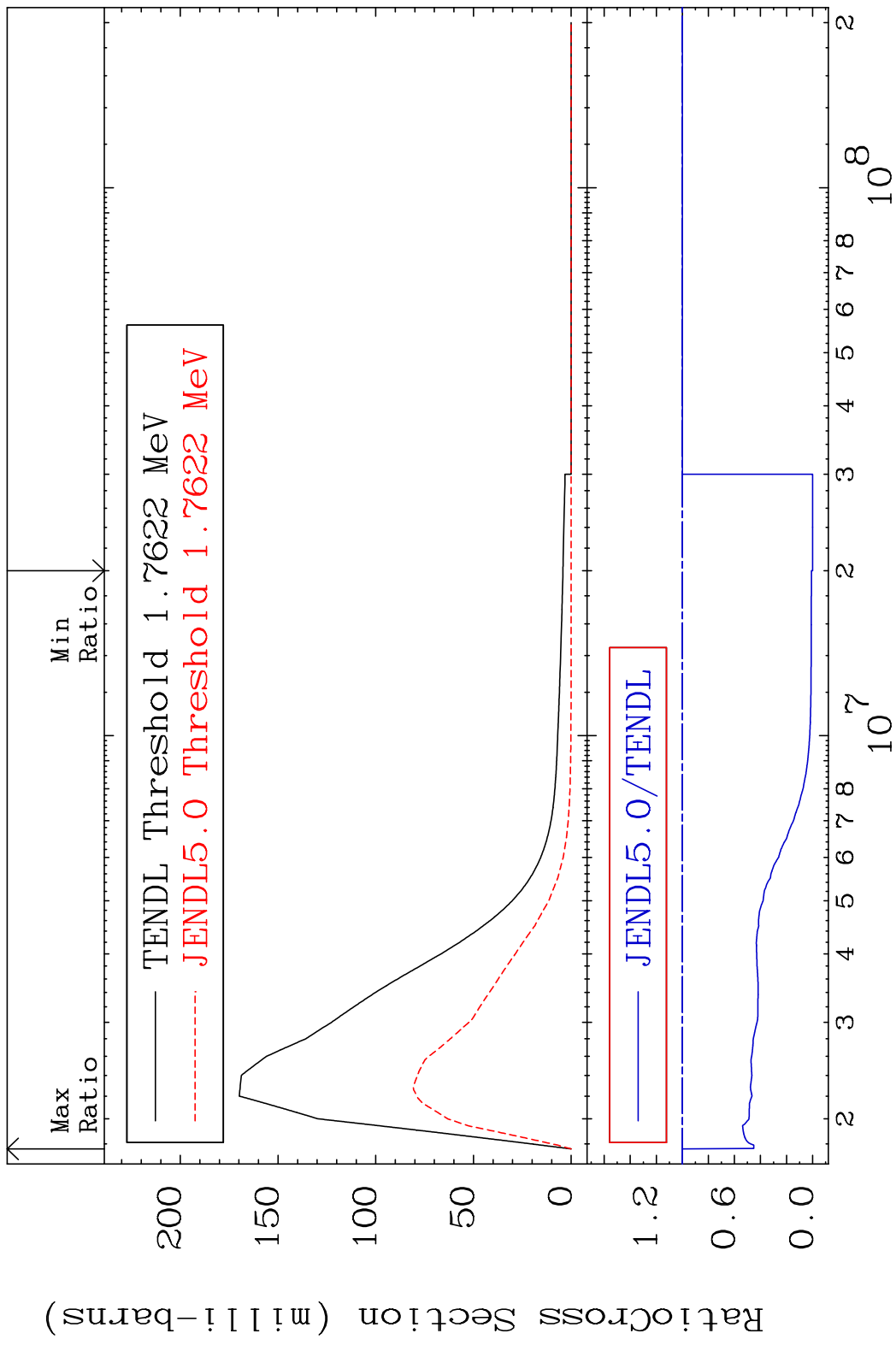
MAT 3834 MT= 54 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 0.000 %



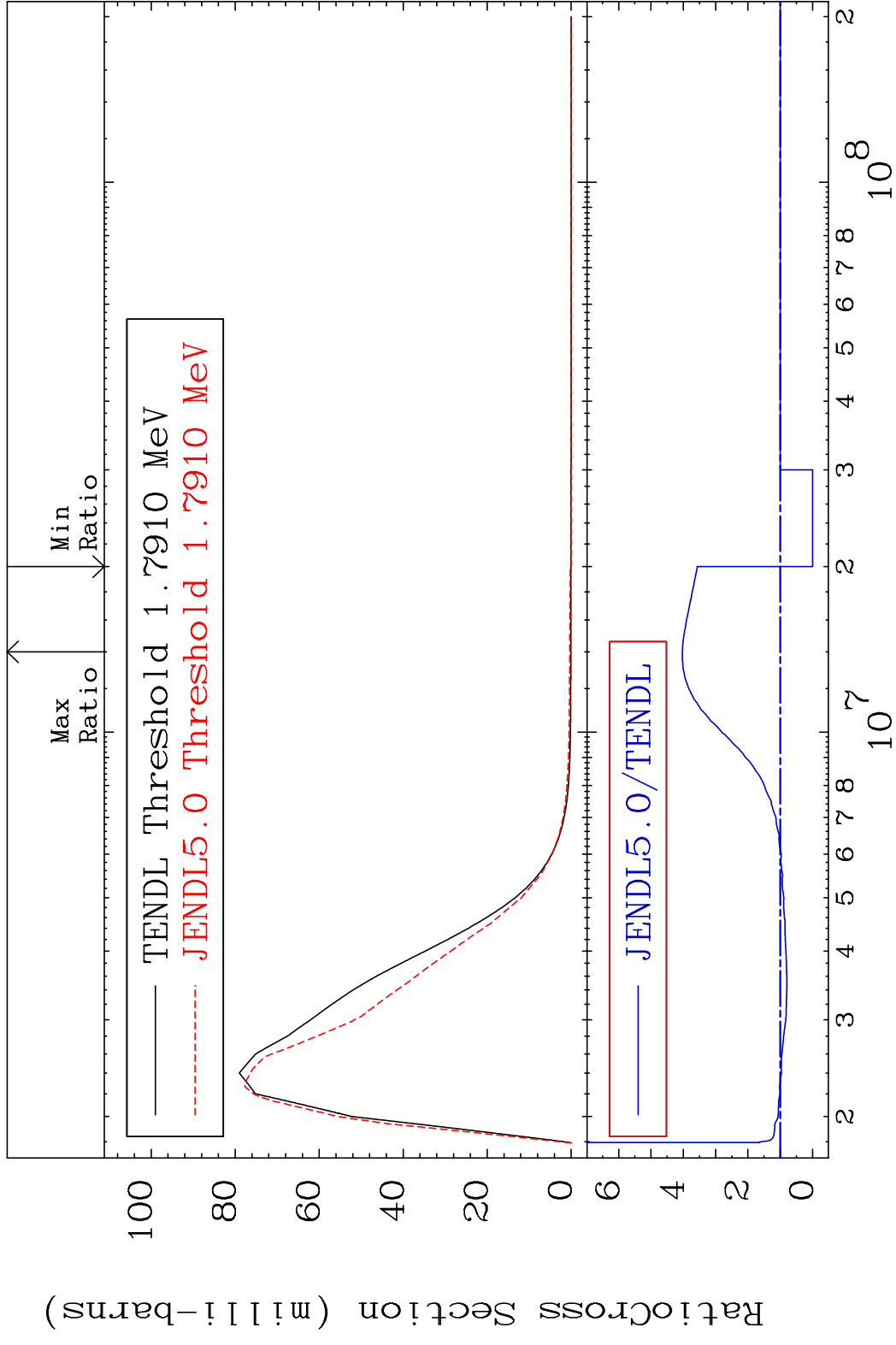
MAT 3834 MT= 55 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 145.2 %



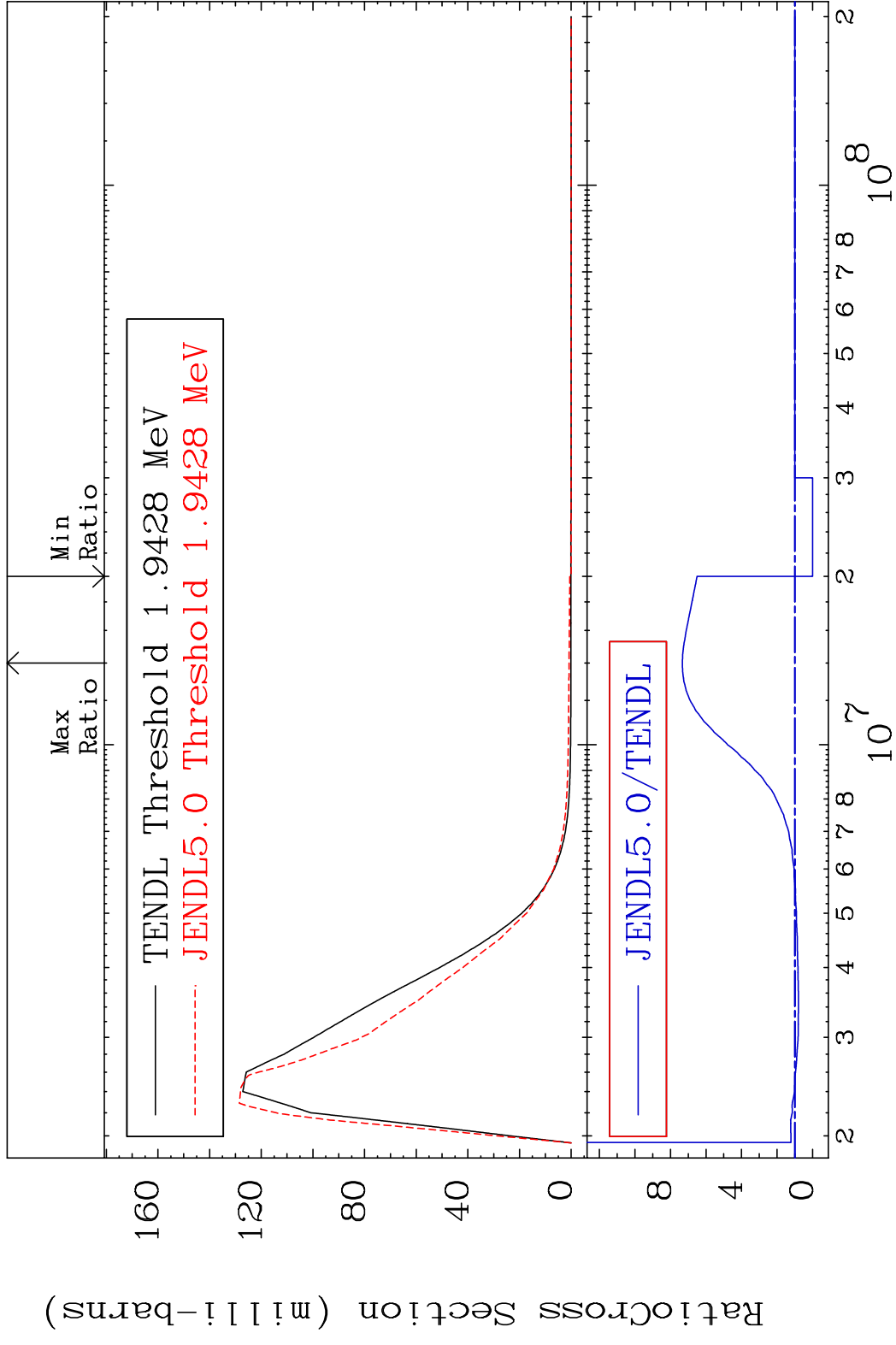
MAT 3834 MT= 56 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 0.000 %



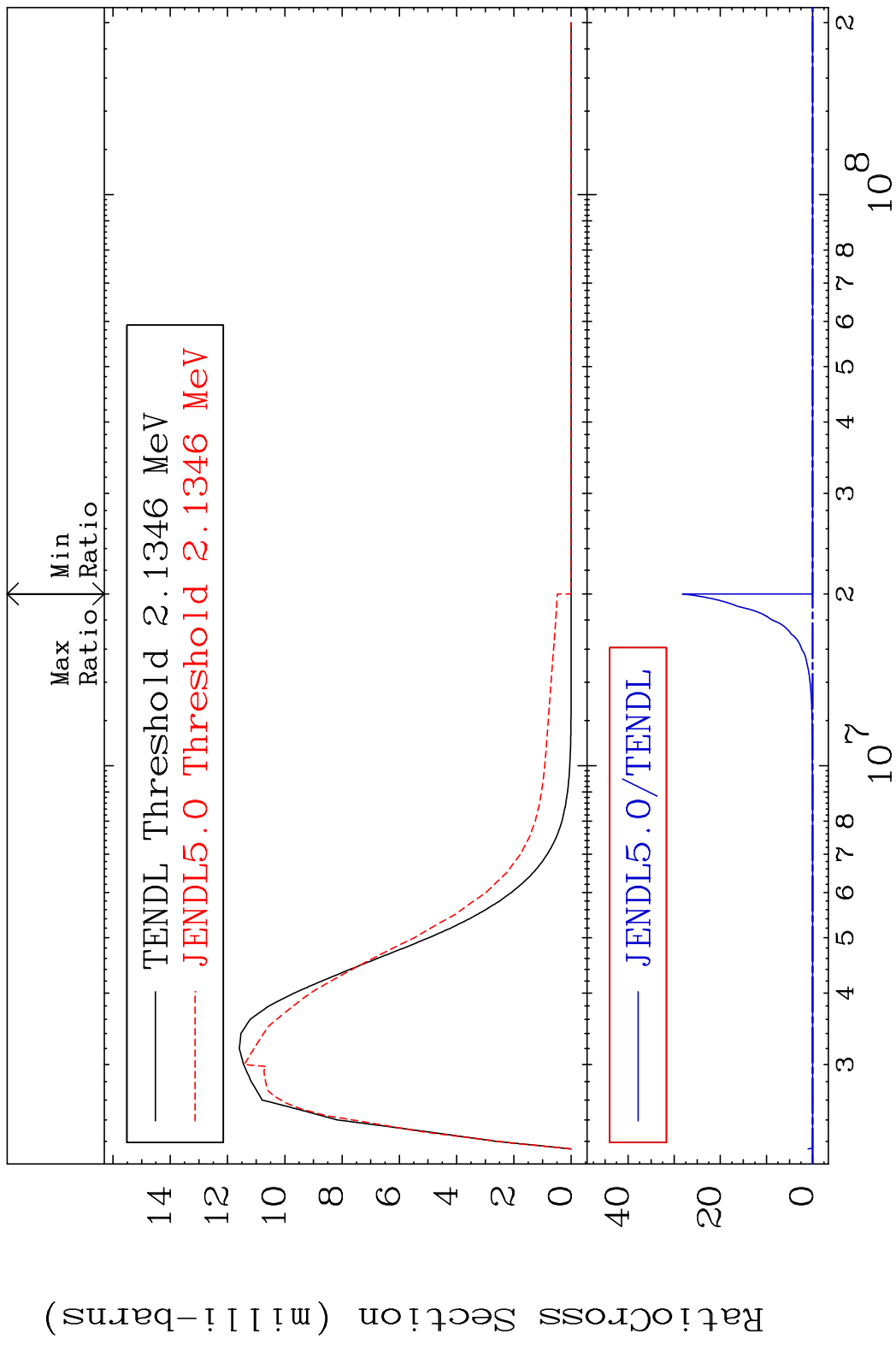
MAT 3834 MT= 57 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 302.9 %



MAT 3834 MT= 58 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 633.2 %

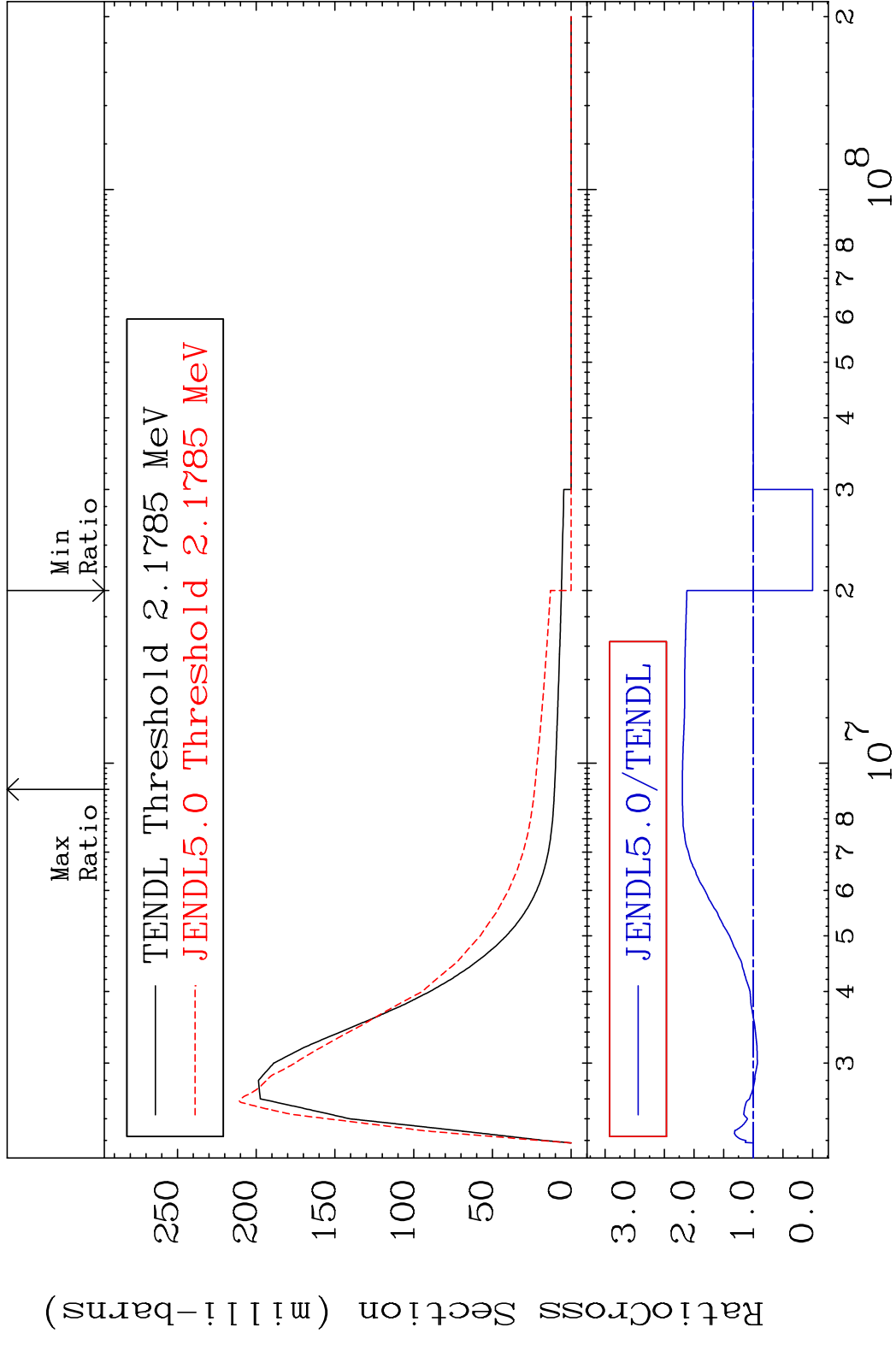


MAT 3834 MT= 59 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 9999. %

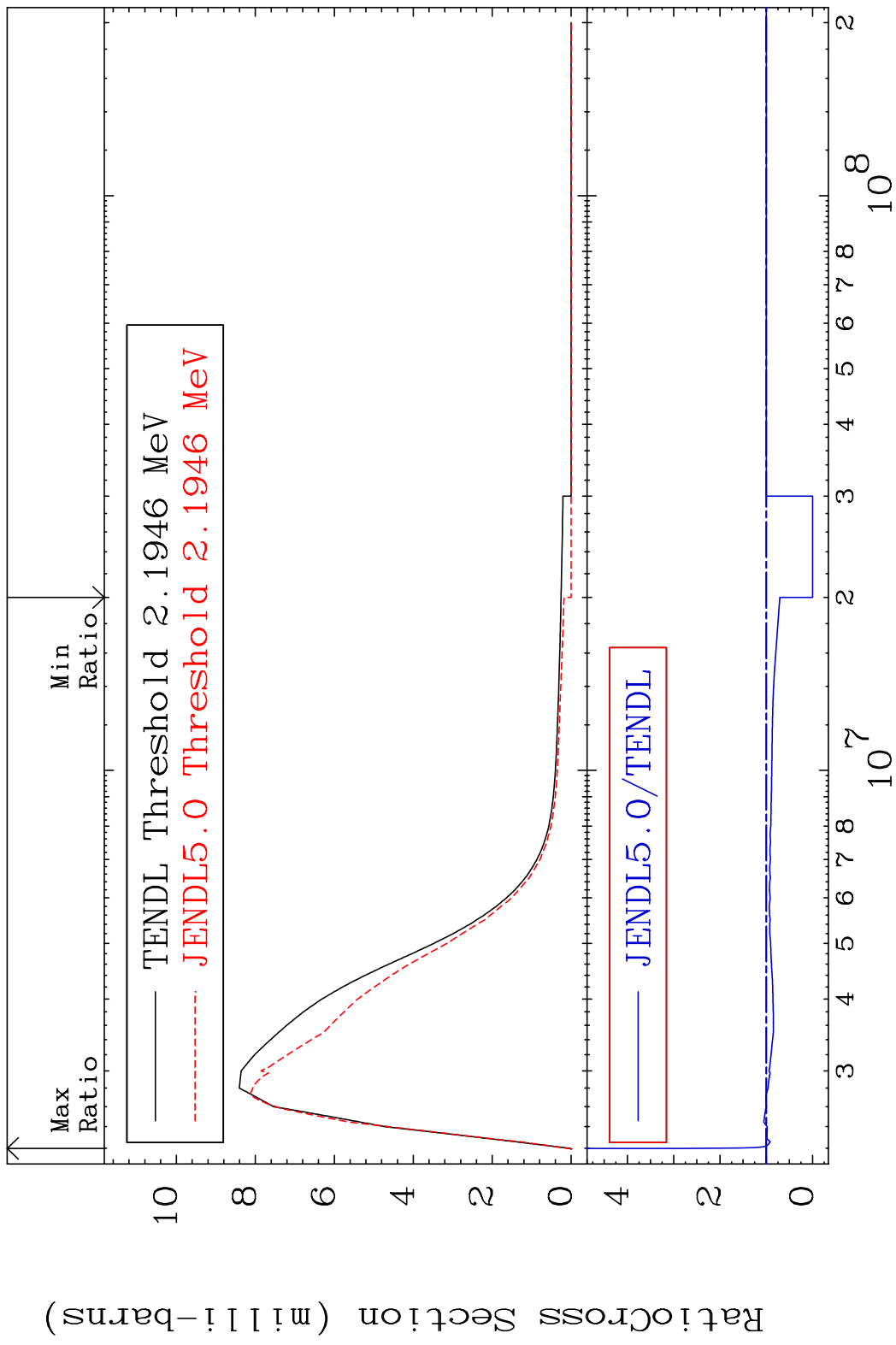


17 38-Sr-87

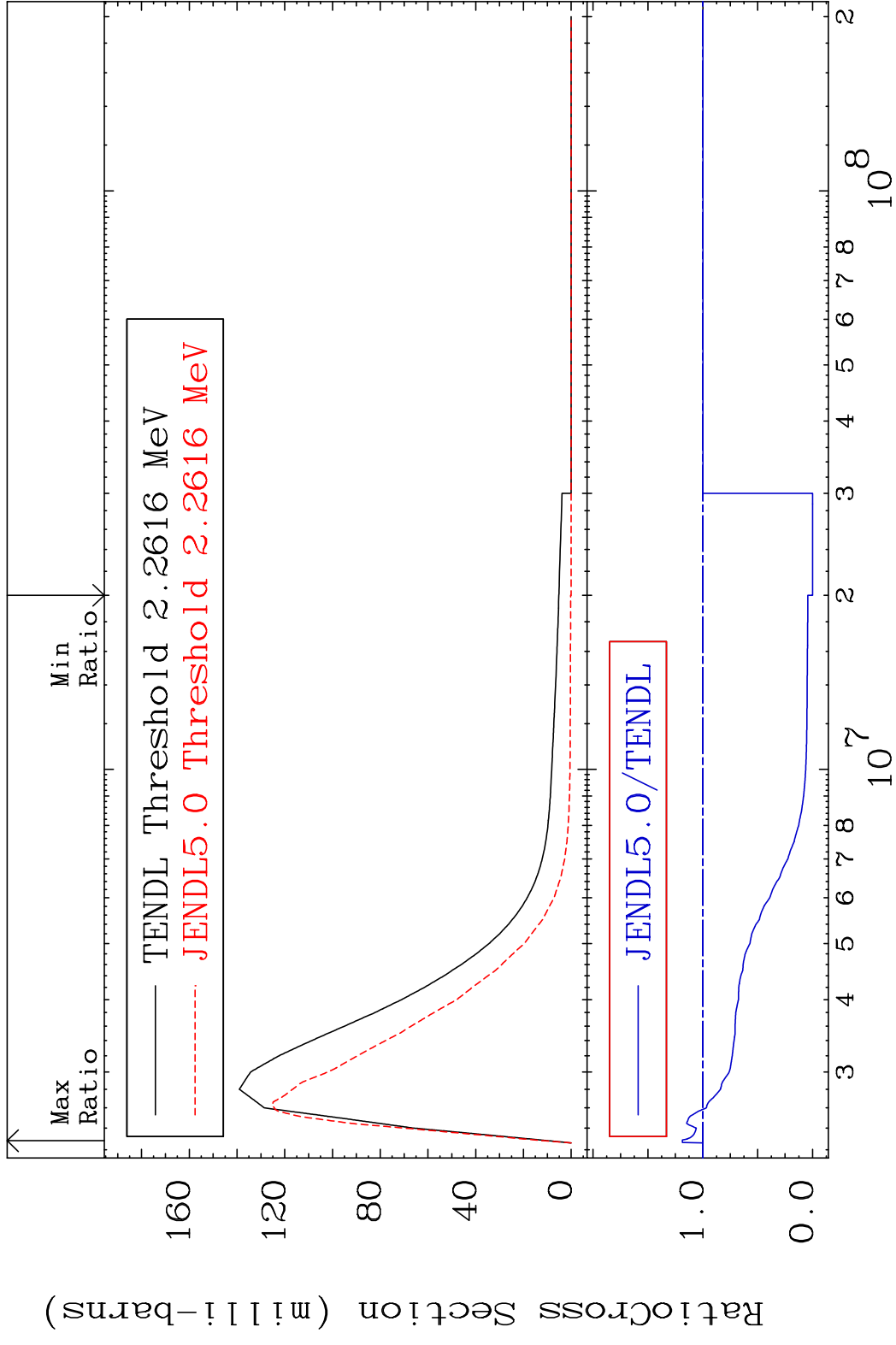
MAT 3834 MT= 60 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 119.6 %



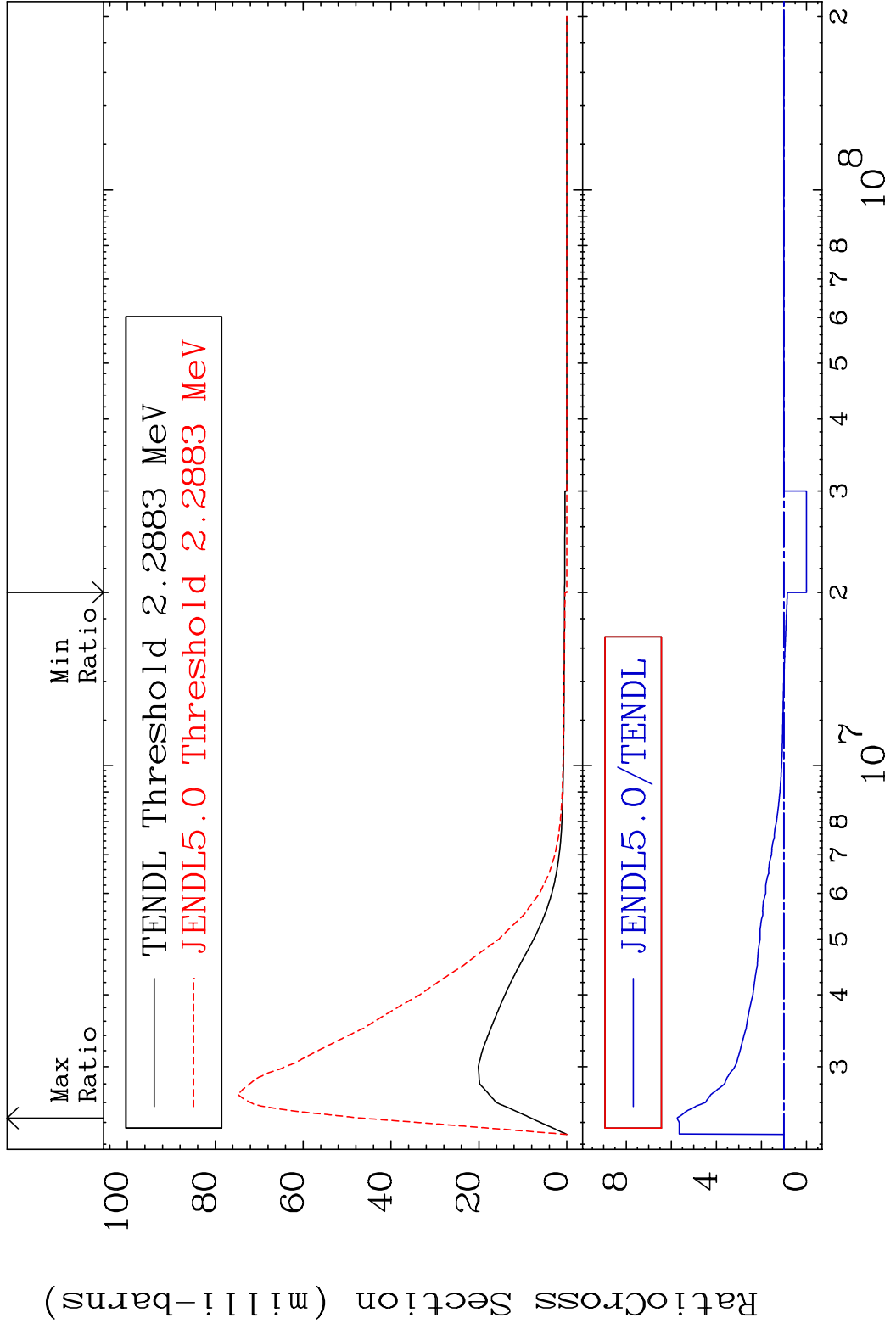
MAT 3834 MT= 61 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 181.3 %



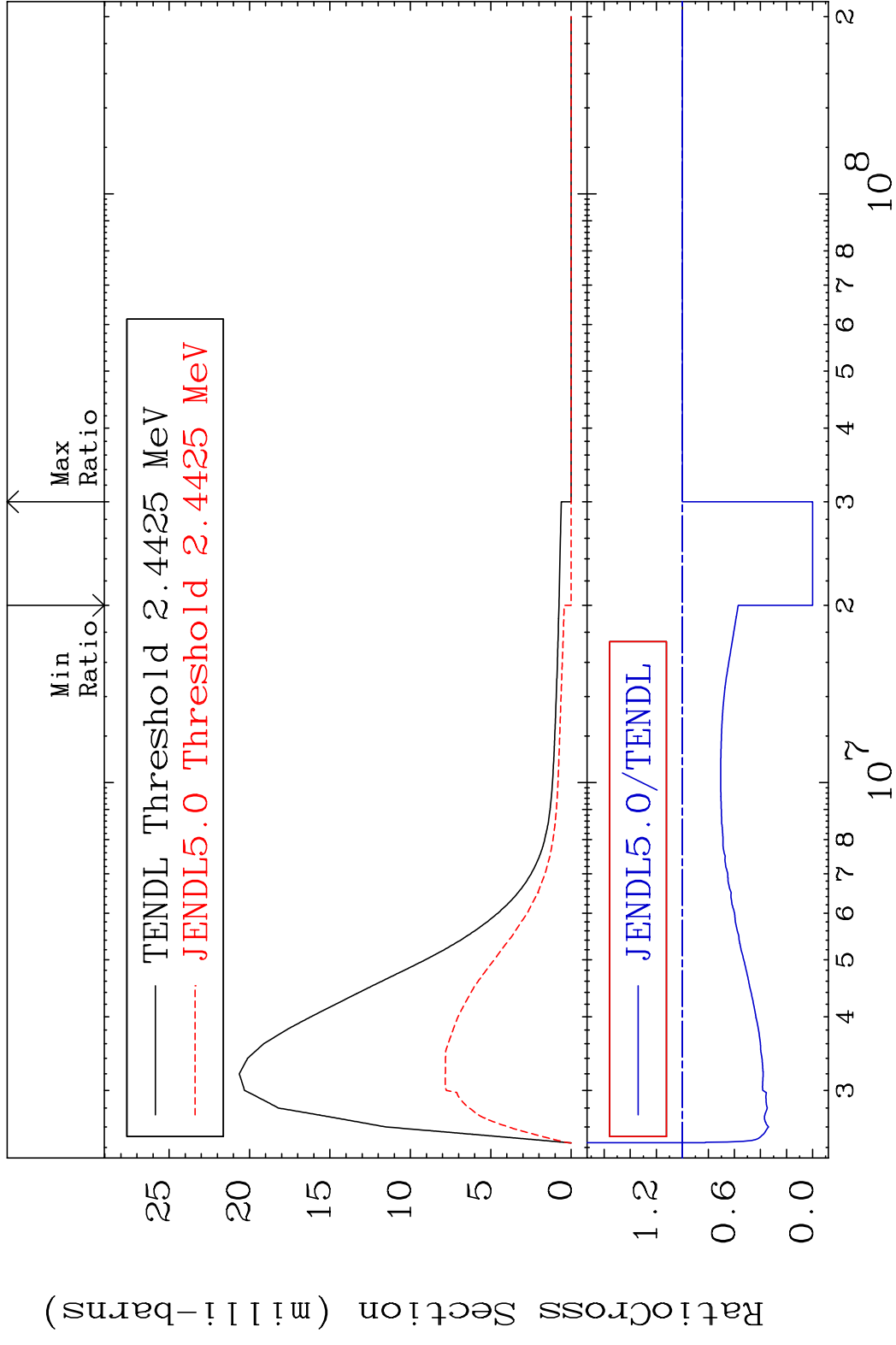
MAT 3834 MT= 62 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 18.63 %



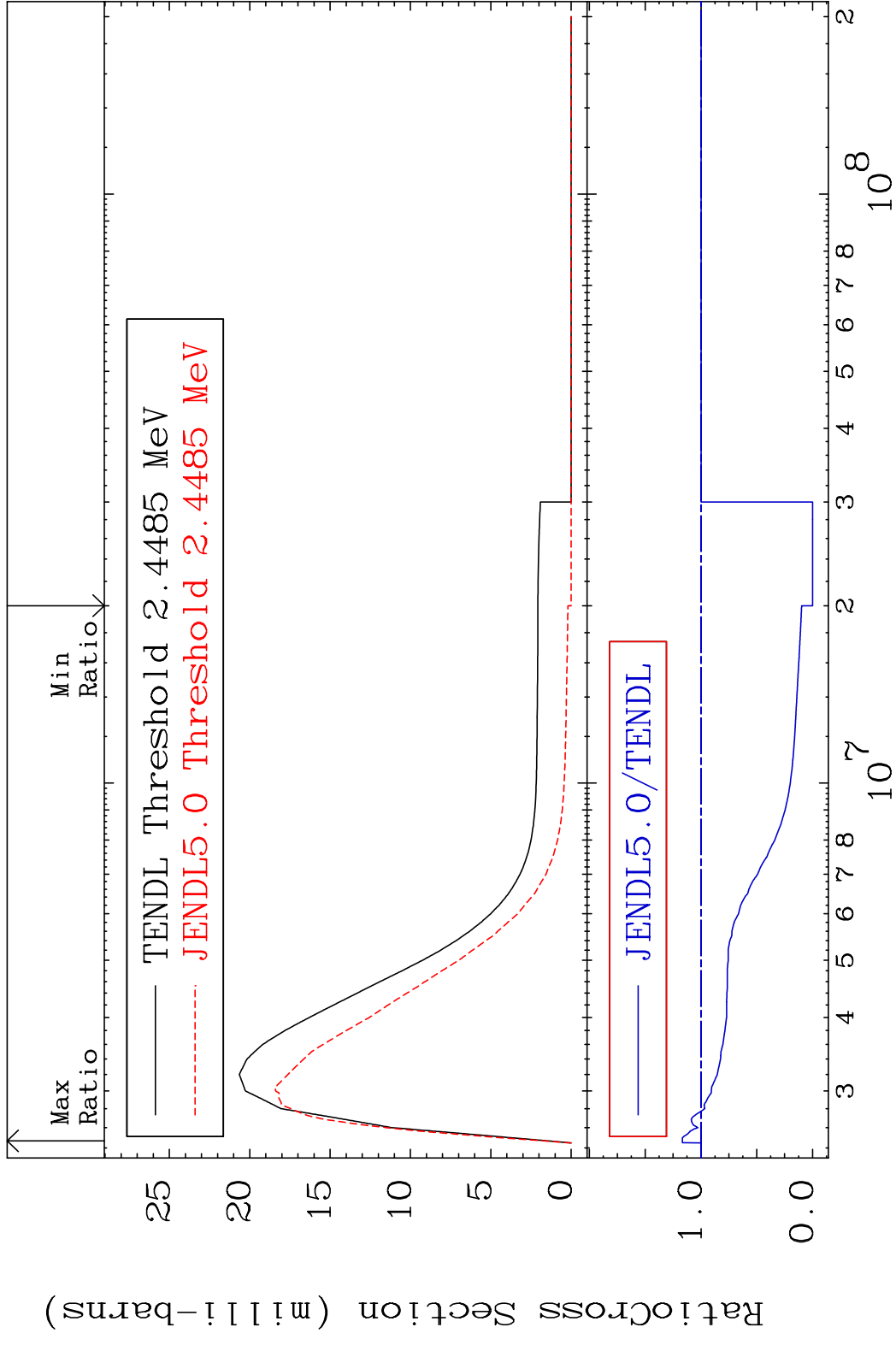
MAT 3834 MT= 63 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 473.7 %



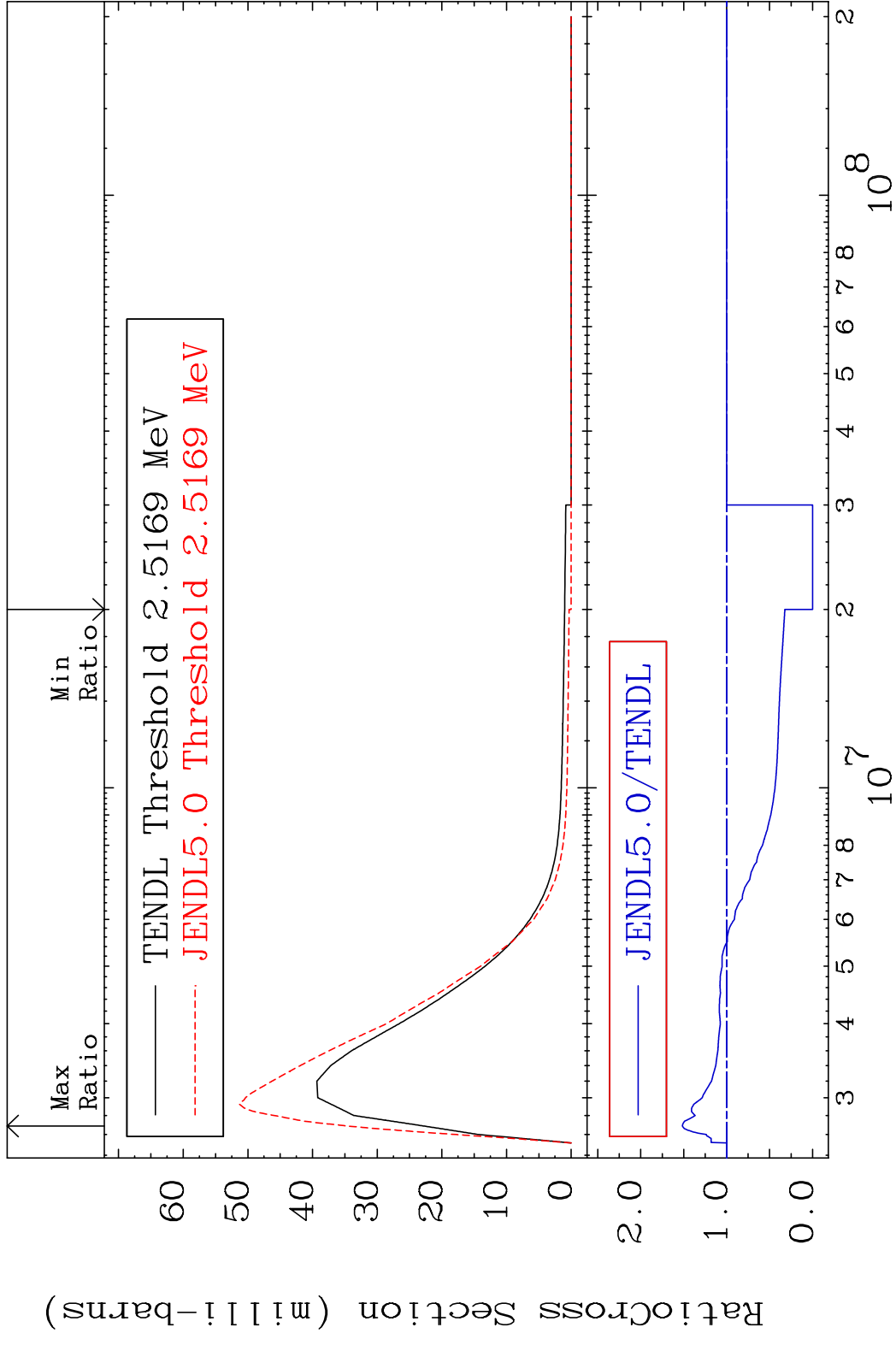
MAT 3834 MT= 64 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 0.000 %



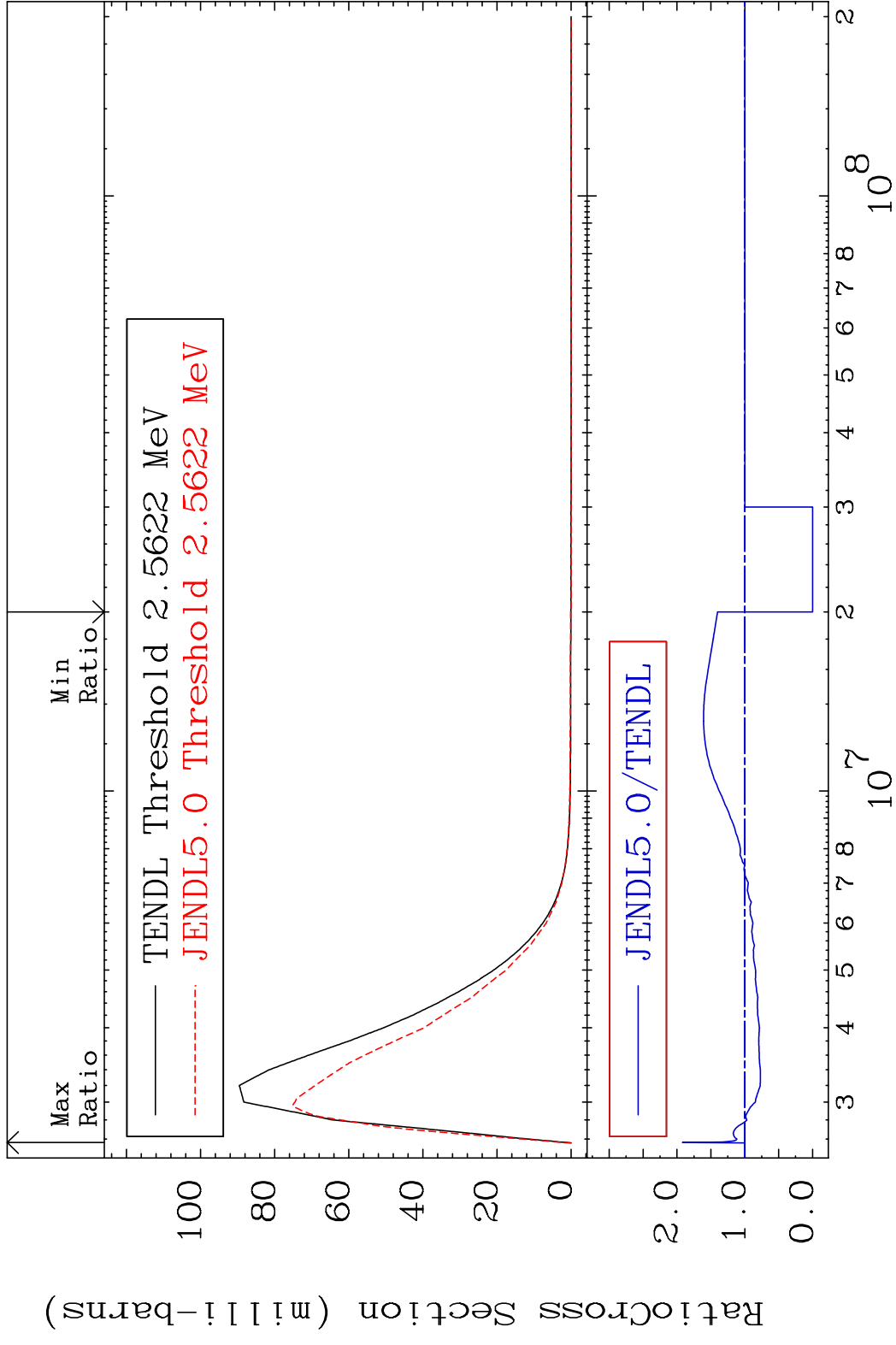
MAT 3834 MT= 65 (n,n') Level 38-Sr-87  
 Cross Section -100.0 To 16.69 %



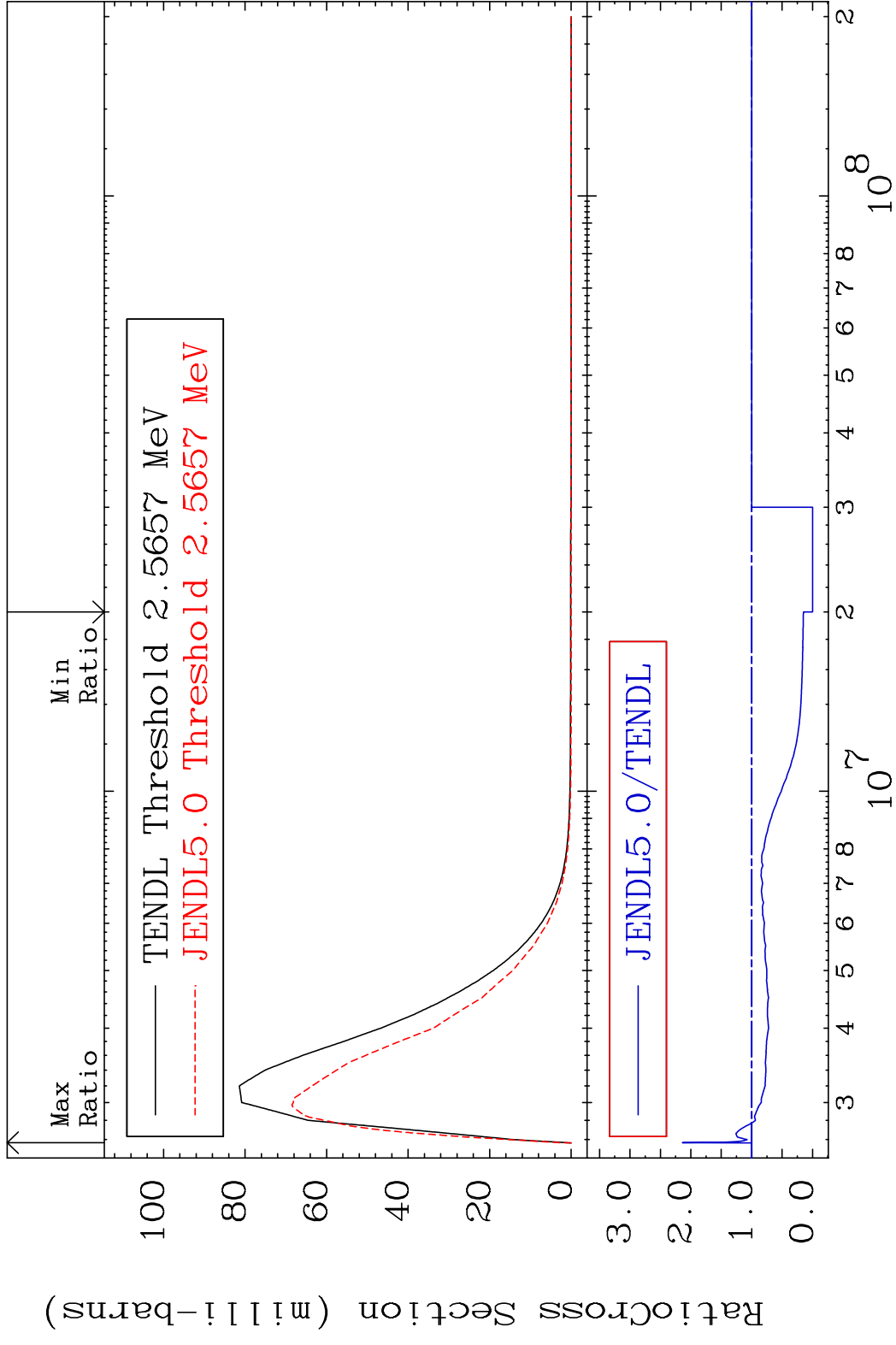
MAT 3834 MT= 66 (n,n') Level 38-Sr-87  
 Cross Section -100.0 To 51.58 %



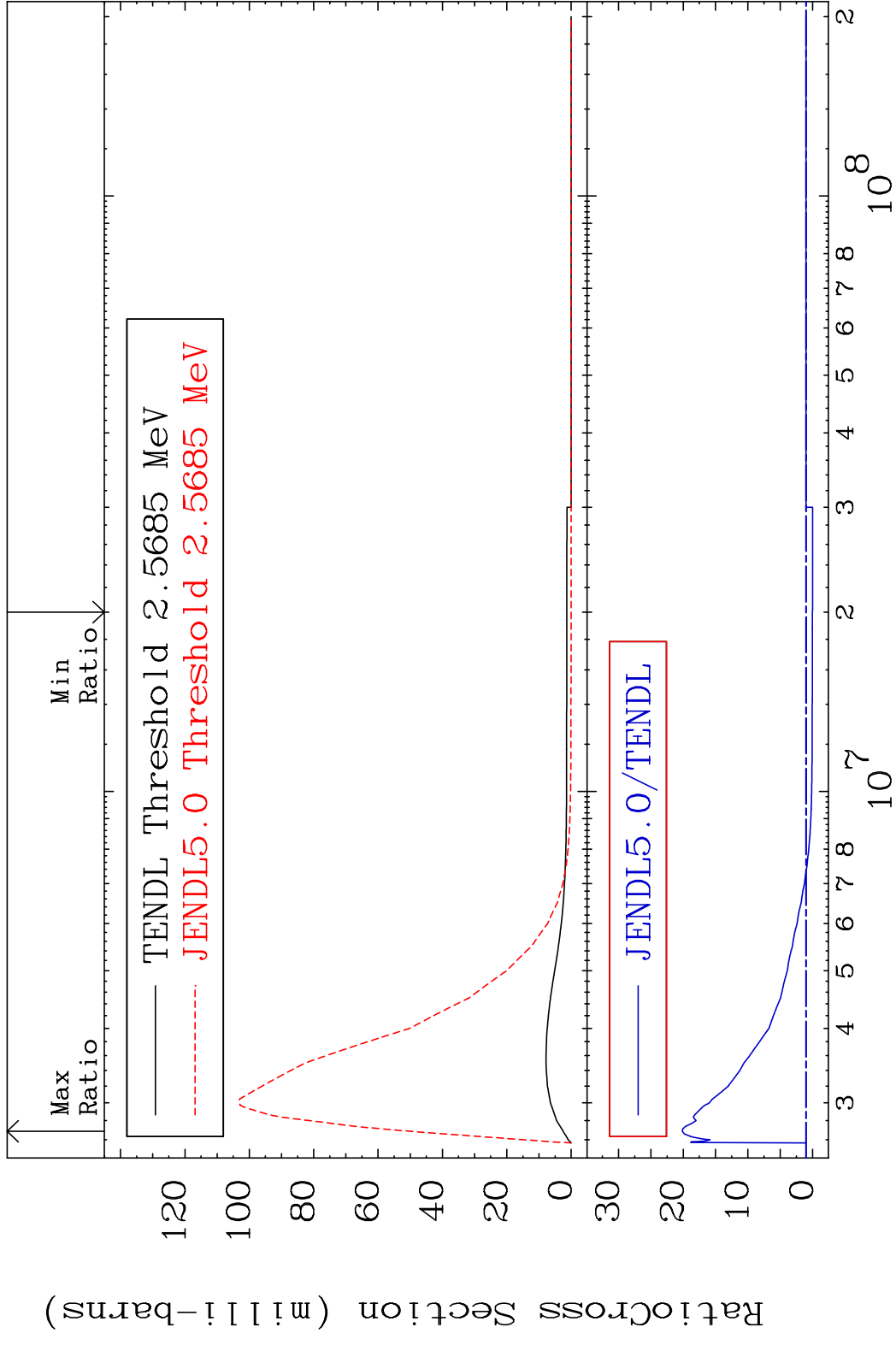
MAT 3834 MT= 67 (n,n') Level 38-Sr-87  
 Cross Section -100.0 To 92.07 %



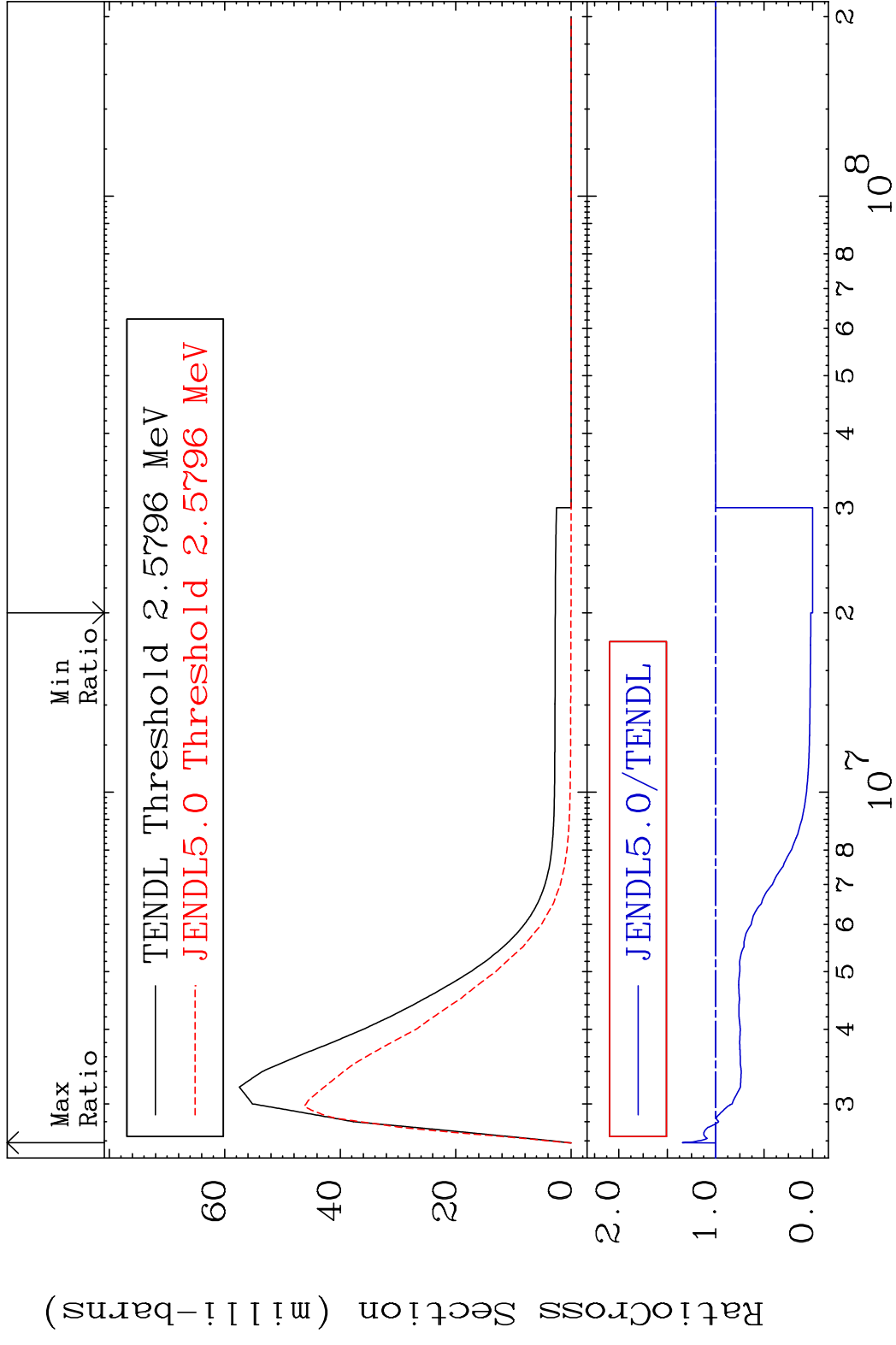
MAT 3834 MT= 68 (n,n') Level 38-Sr-87  
 Cross Section -100.0 To 113.9 %



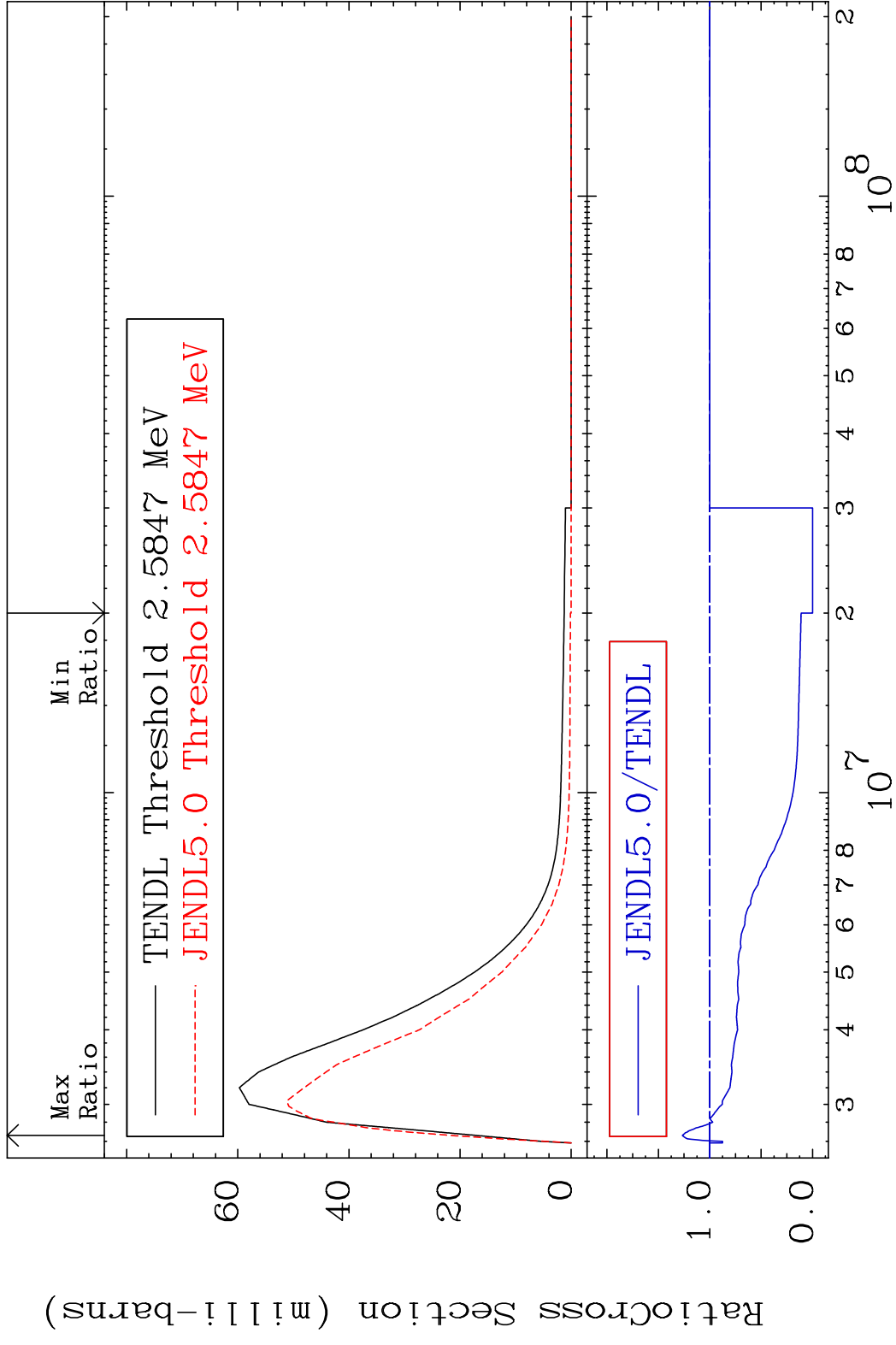
MAT 3834 MT= 69 (n,n') Level 38-Sr-87  
 Cross Section -100.0 To 1913. %



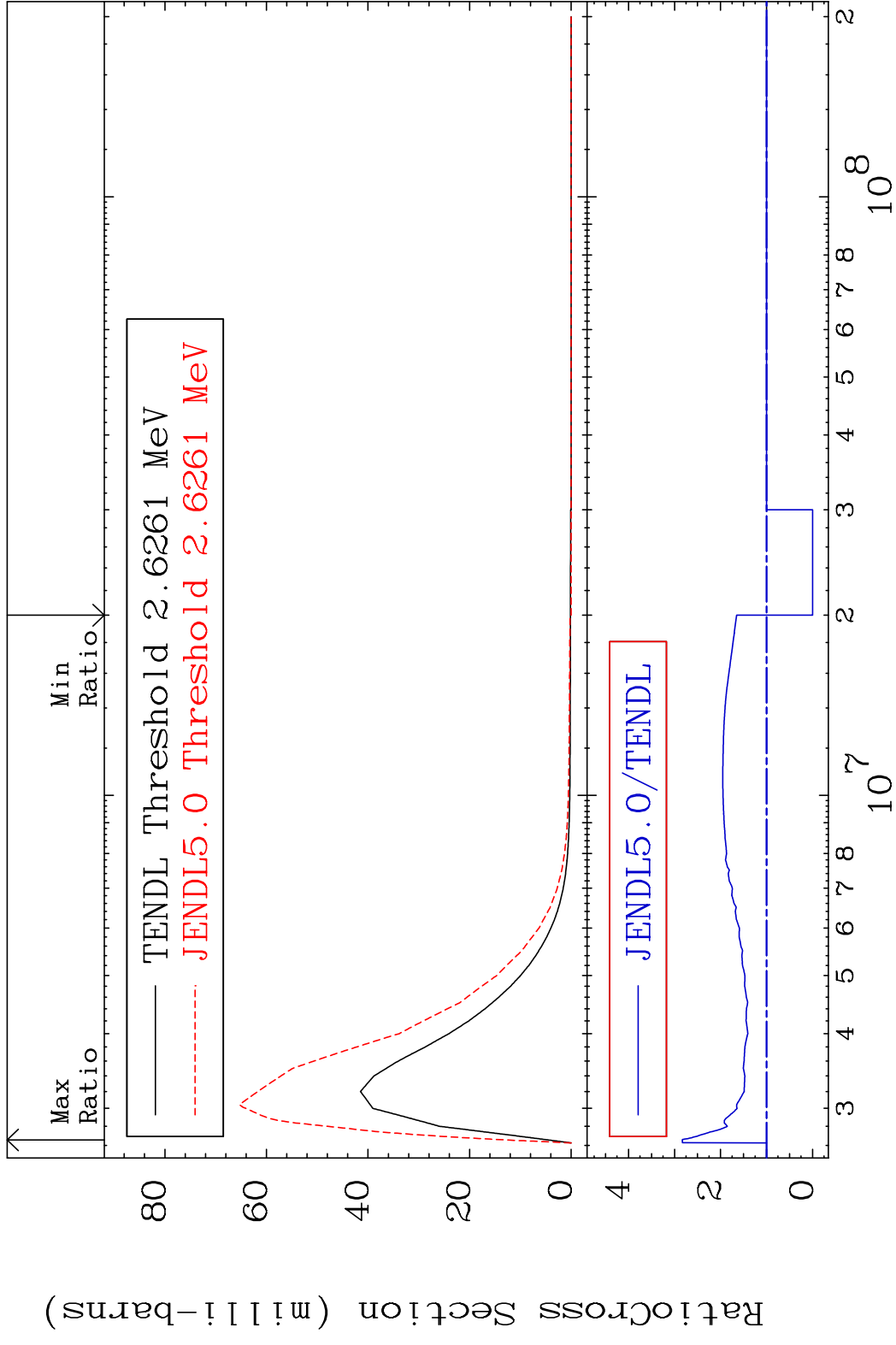
MAT 3834 MT= 70 (n,n') Level 38-Sr-87  
 Cross Section -100.0 To 34.42 %



MAT 3834 MT= 71 (n,n') Level 38-Sr-87  
 Cross Section -100.0 To 26.68 %

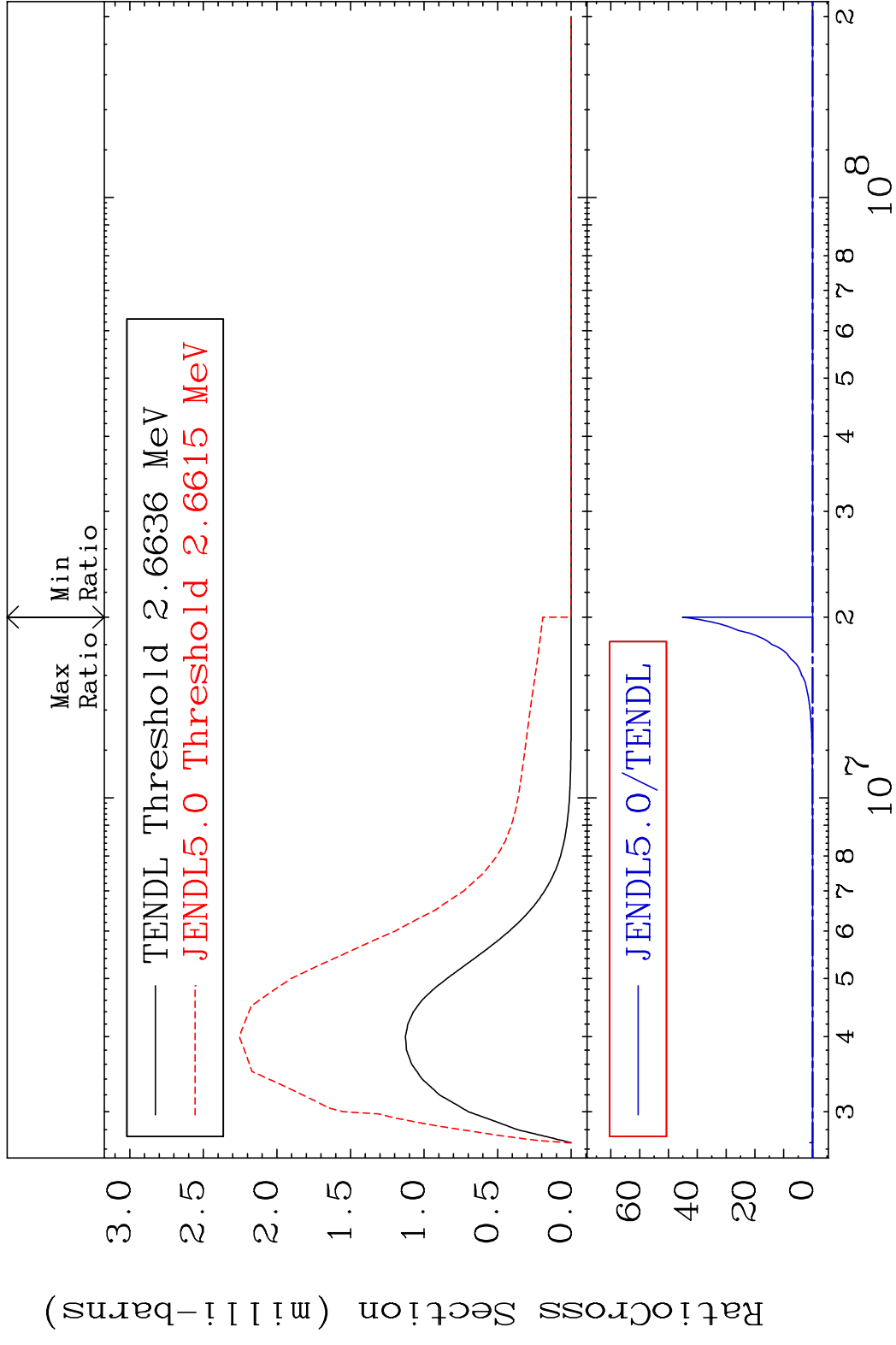


MAT 3834 MT= 72 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 183.0 %

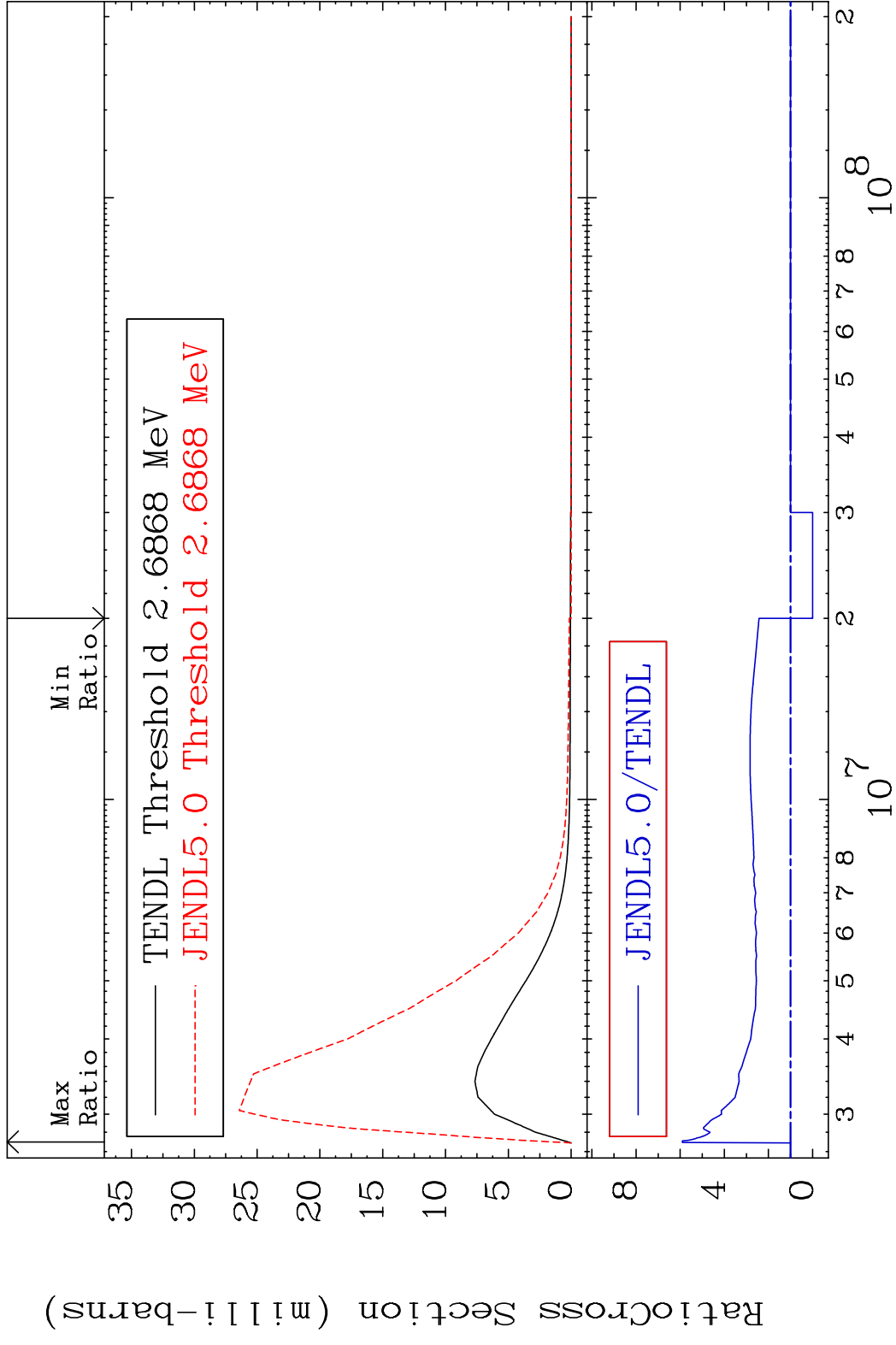


30 Incident Energy (eV) 38-Sr-87

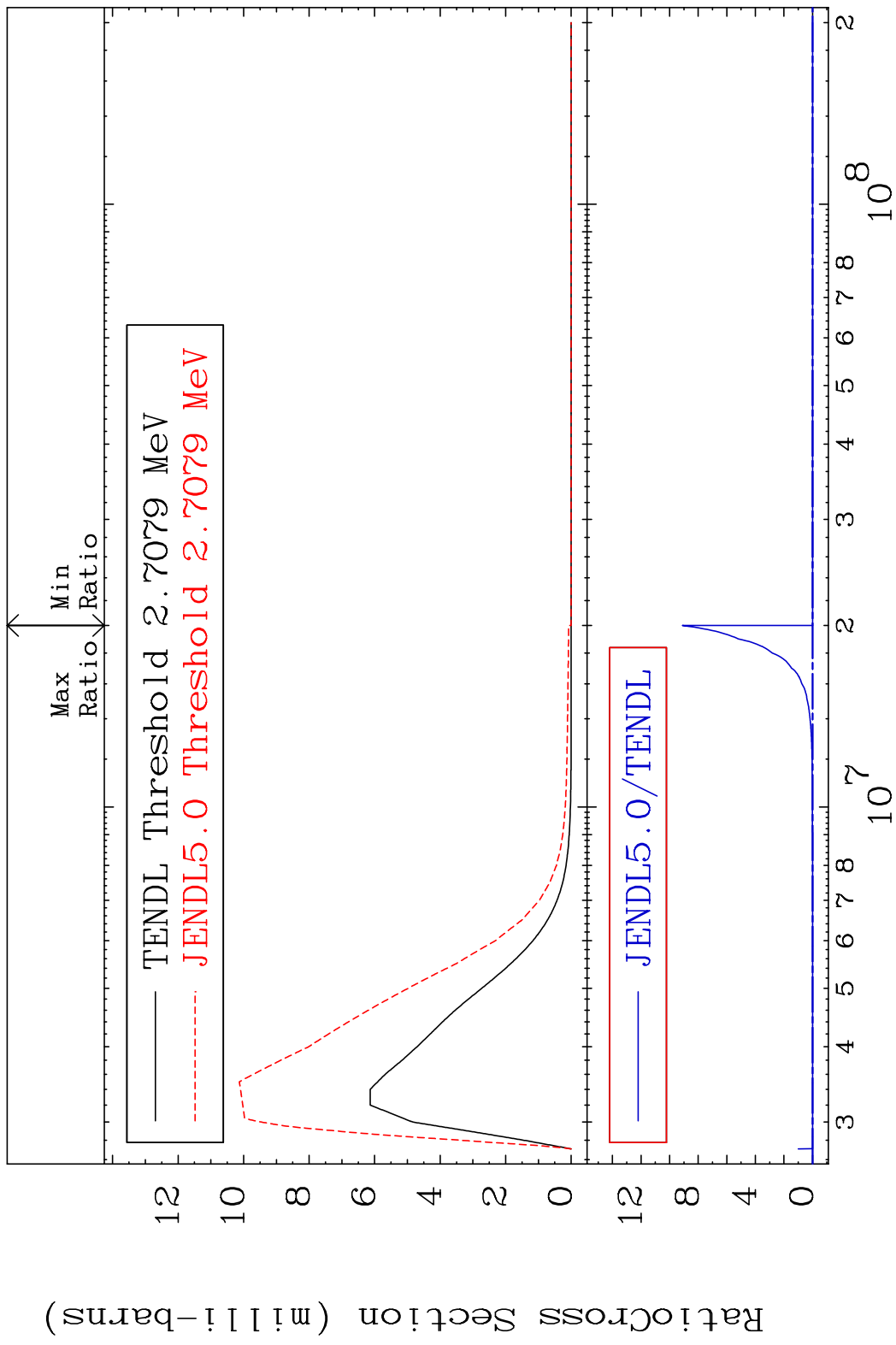
MAT 3834 MT= 73 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 9999. %



MAT 3834 MT= 74 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 490.2 %

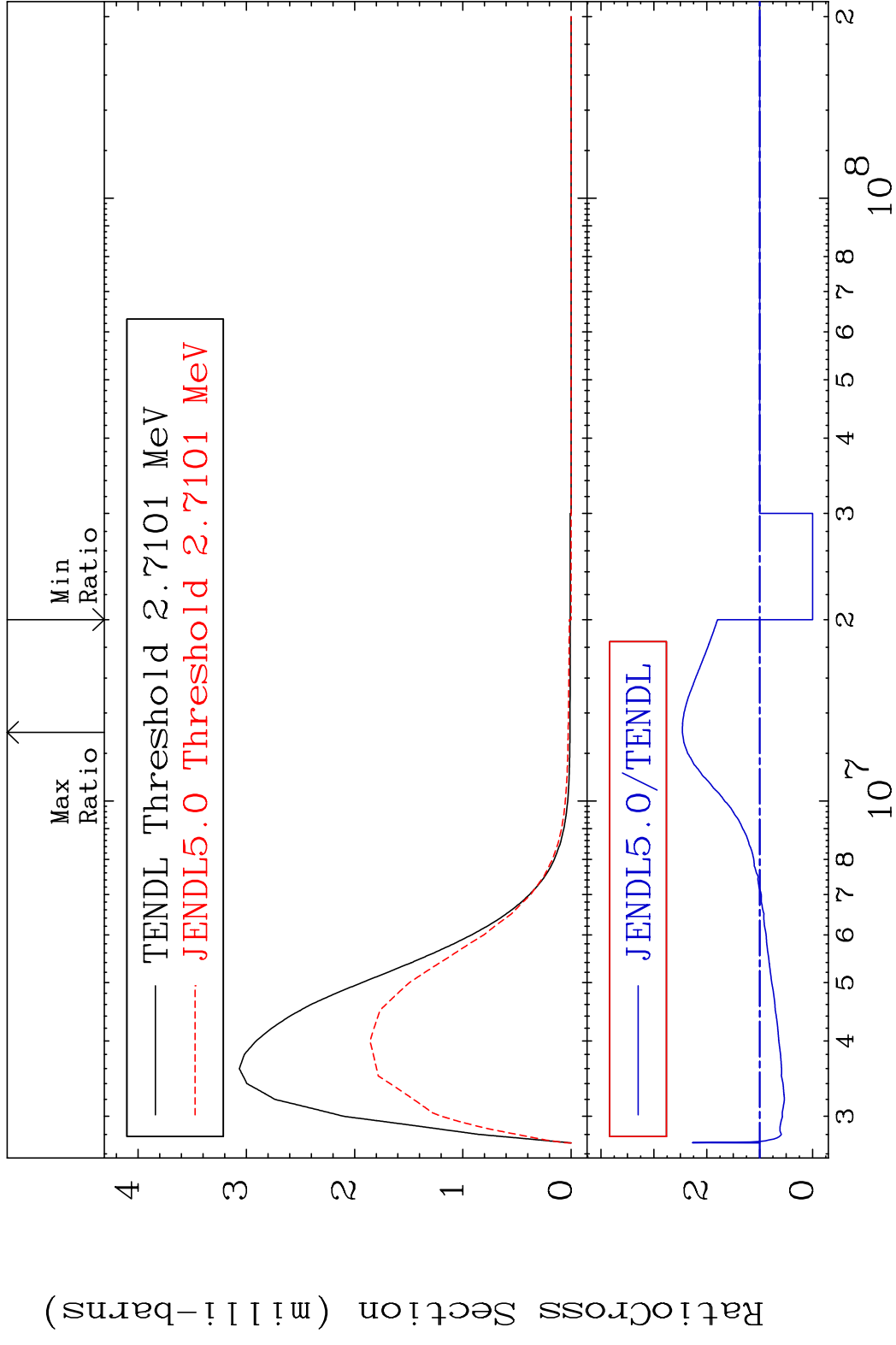


MAT 3834 MT= 75 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 9999. %

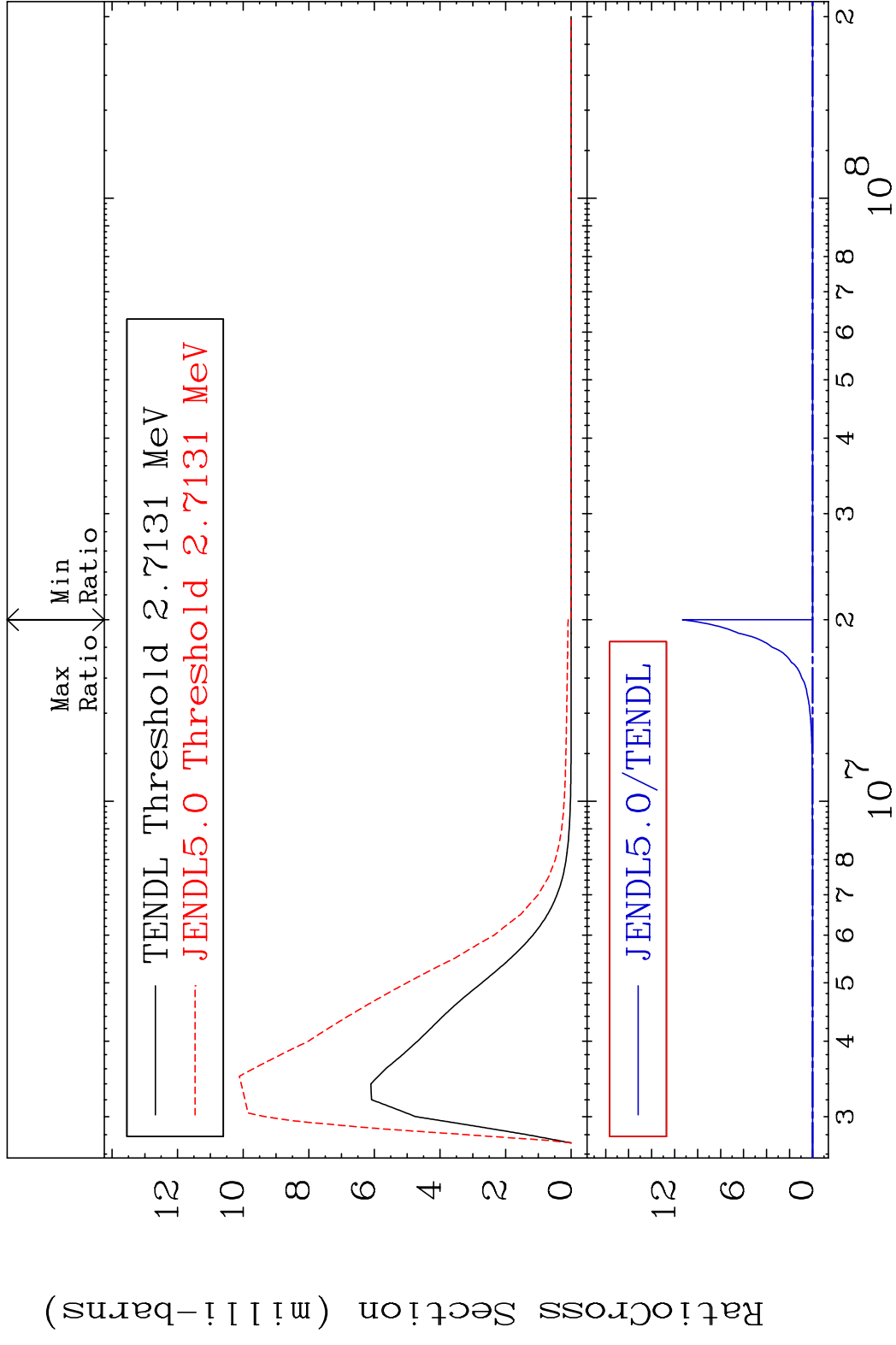


33 38-Sr-87

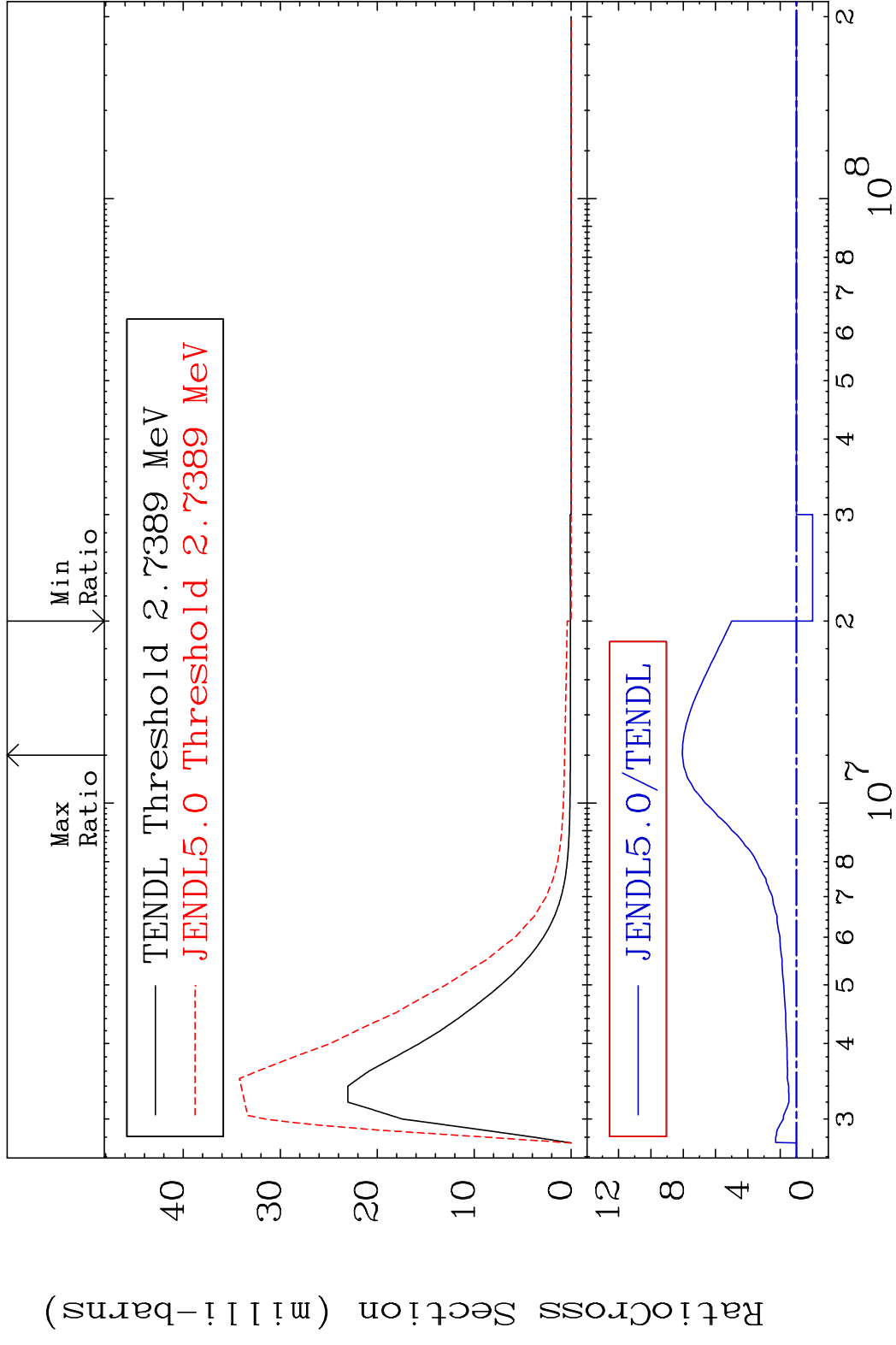
MAT 3834 MT= 76 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 146.2 %



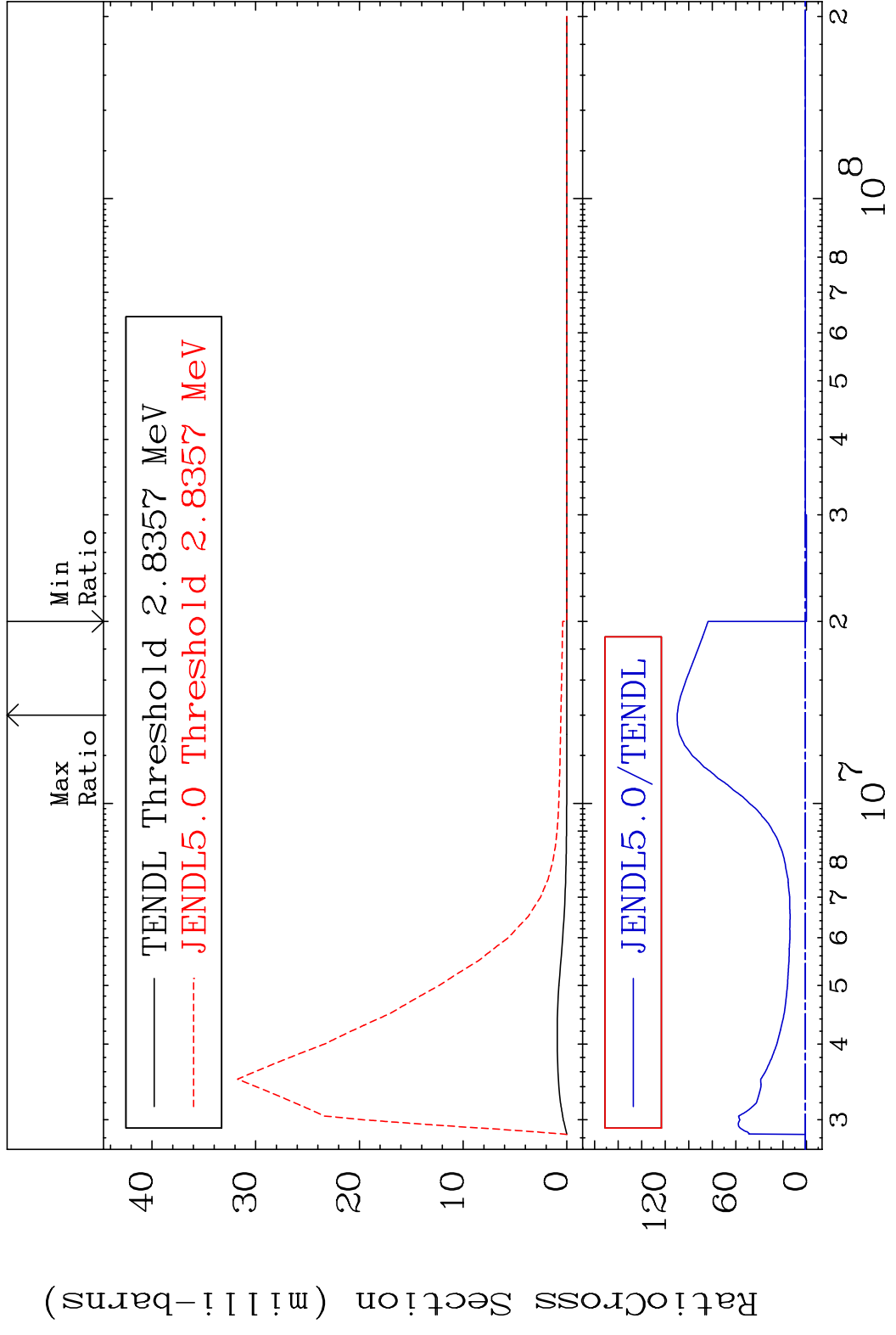
MAT 3834 MT= 77 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 9999. %



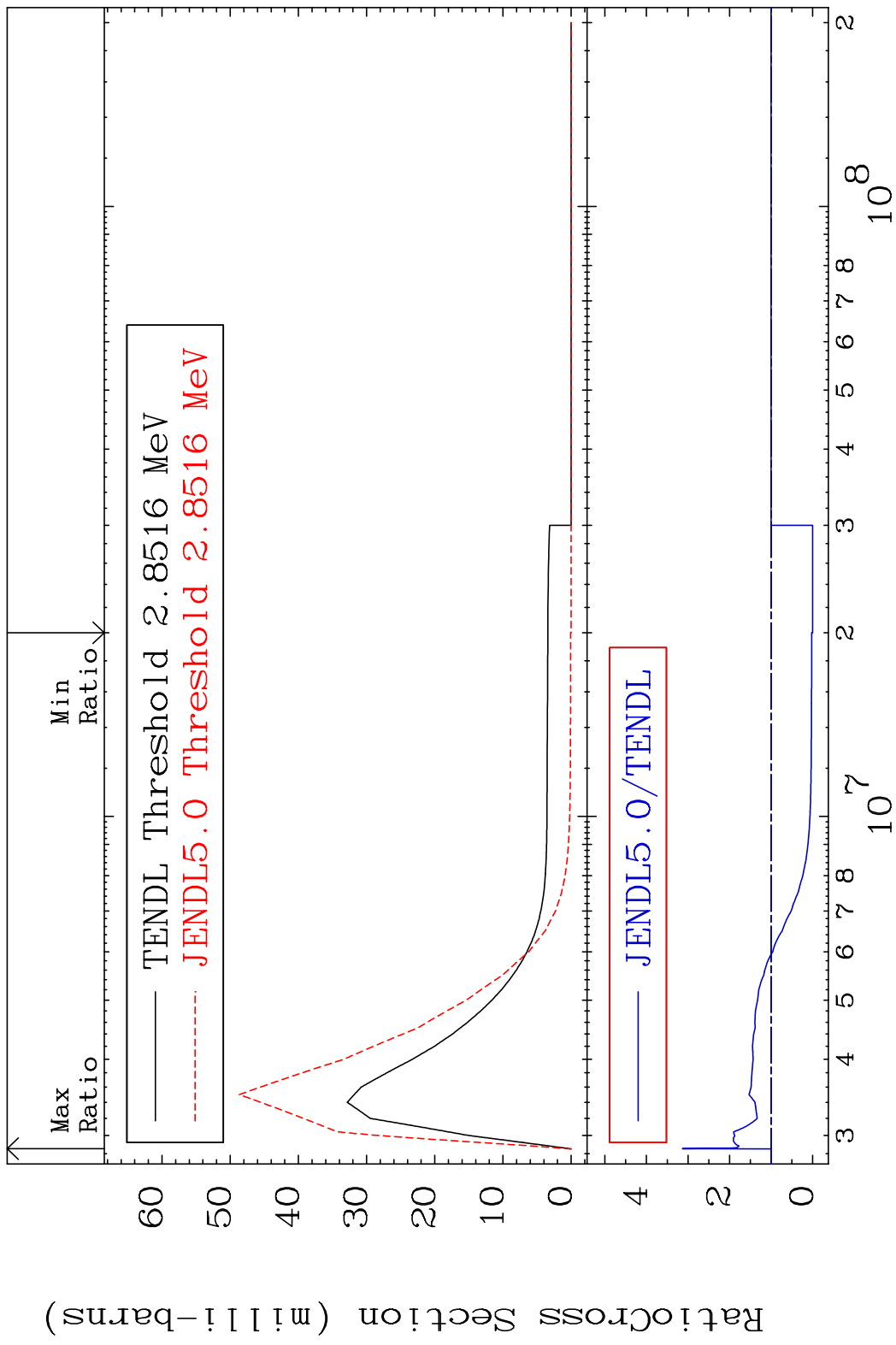
MAT 3834 MT= 78 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 705.3 %



MAT 3834 MT= 79 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 9999. %



MAT 3834 MT= 80 (n, n') Level 38-Sr-87  
 Cross Section -100.0 To 213.6 %



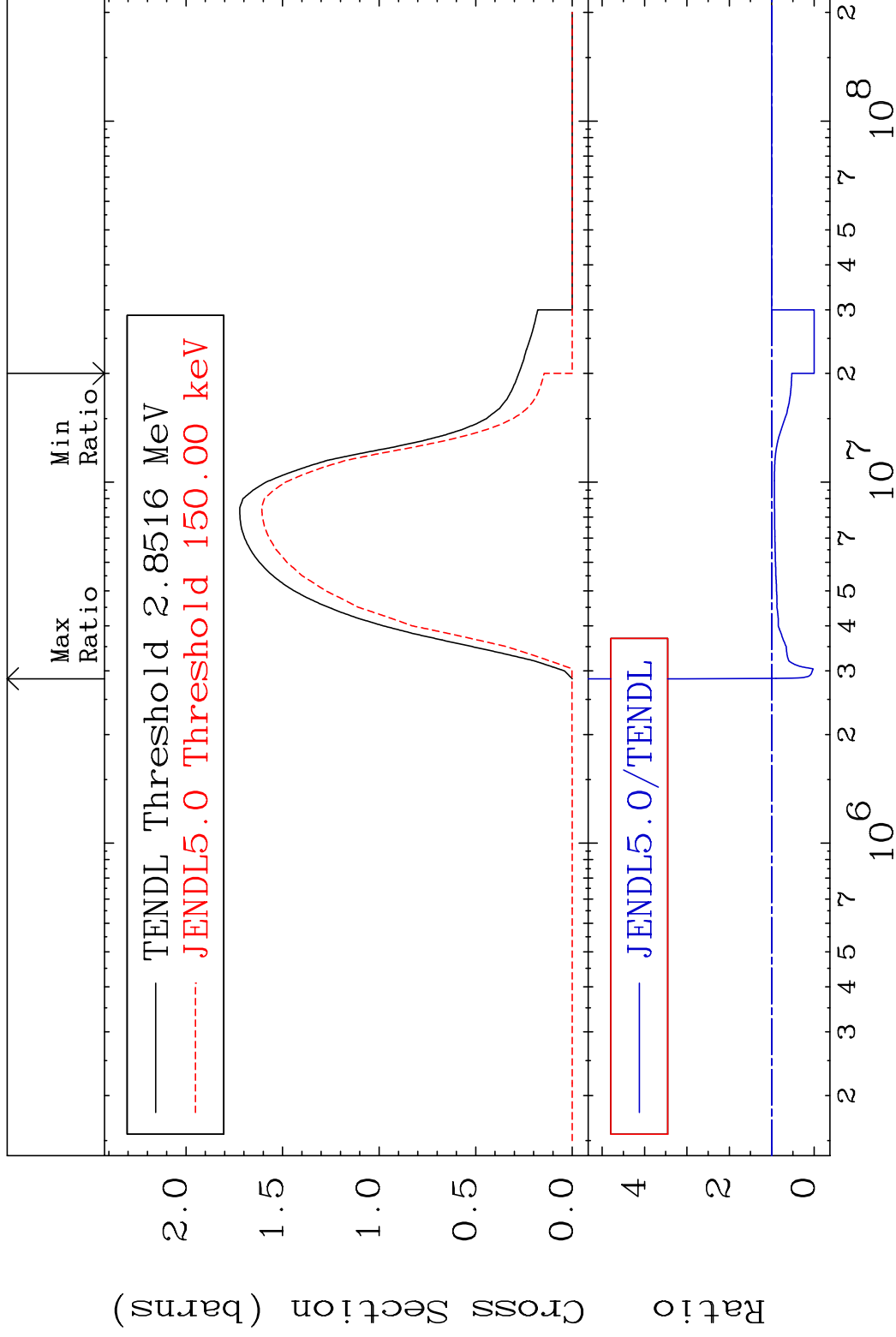
38 38-Sr-87

MAT 3834

(n, n') Continuum

38-Sr-87

Cross Section -100.0 To 207.7 %



39

Incident Energy (eV)

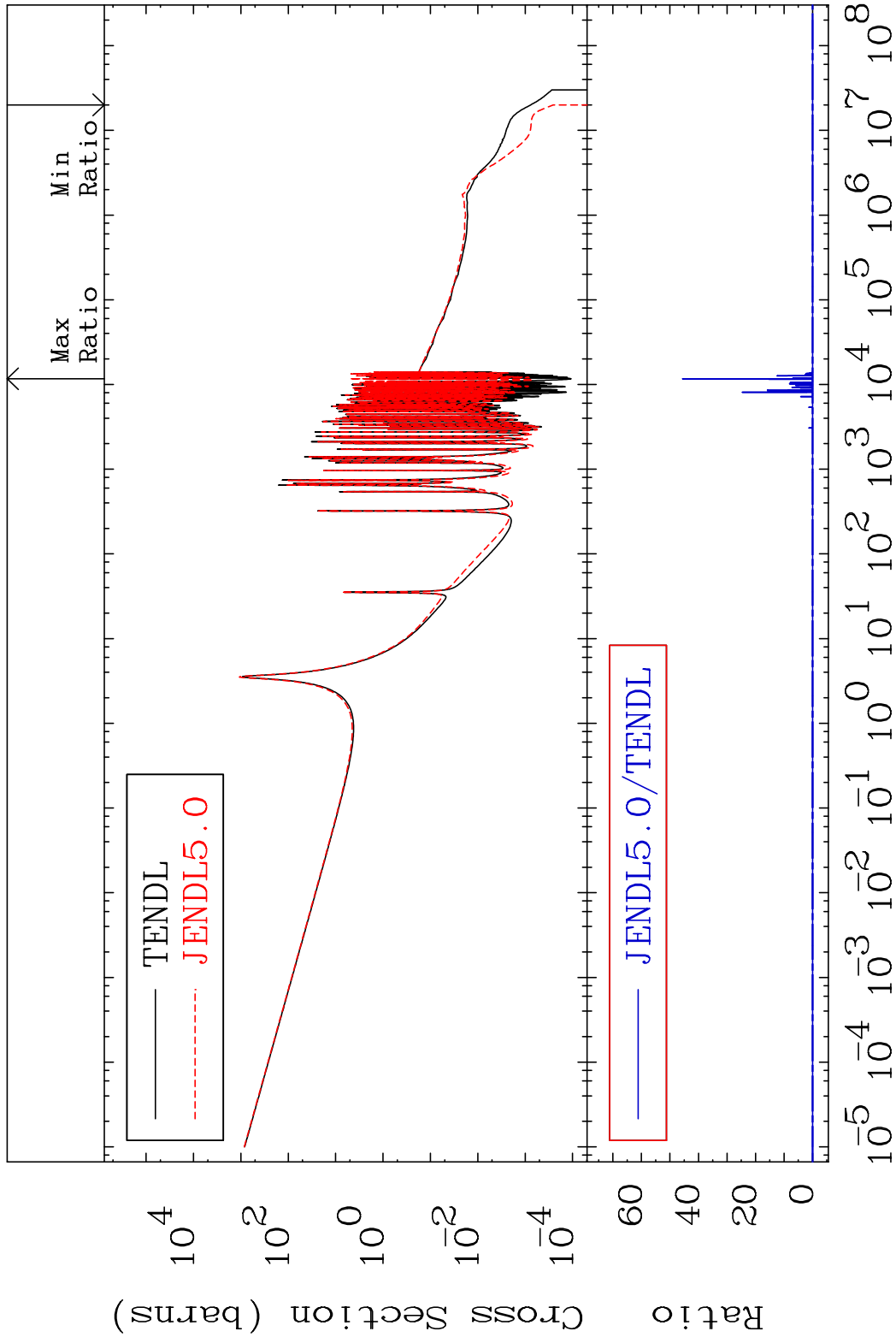
38-Sr-87

MAT 3834

(n,  $\gamma$ )

38-Sr-87

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

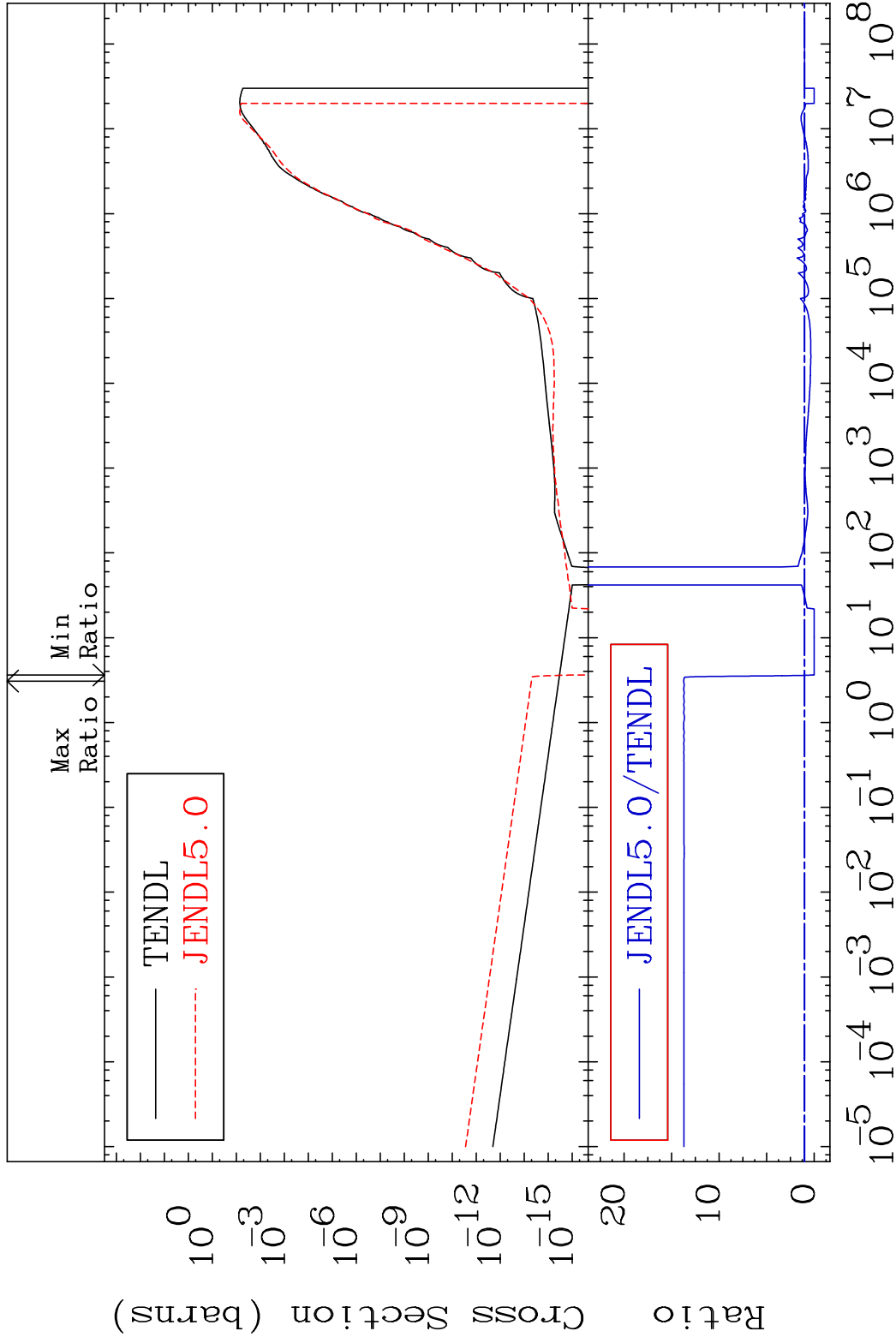
38-Sr-87

MAT 3834

(n, p)

38-Sr-87

Cross Section -100.0 To 1273. %



41

Incident Energy (eV)

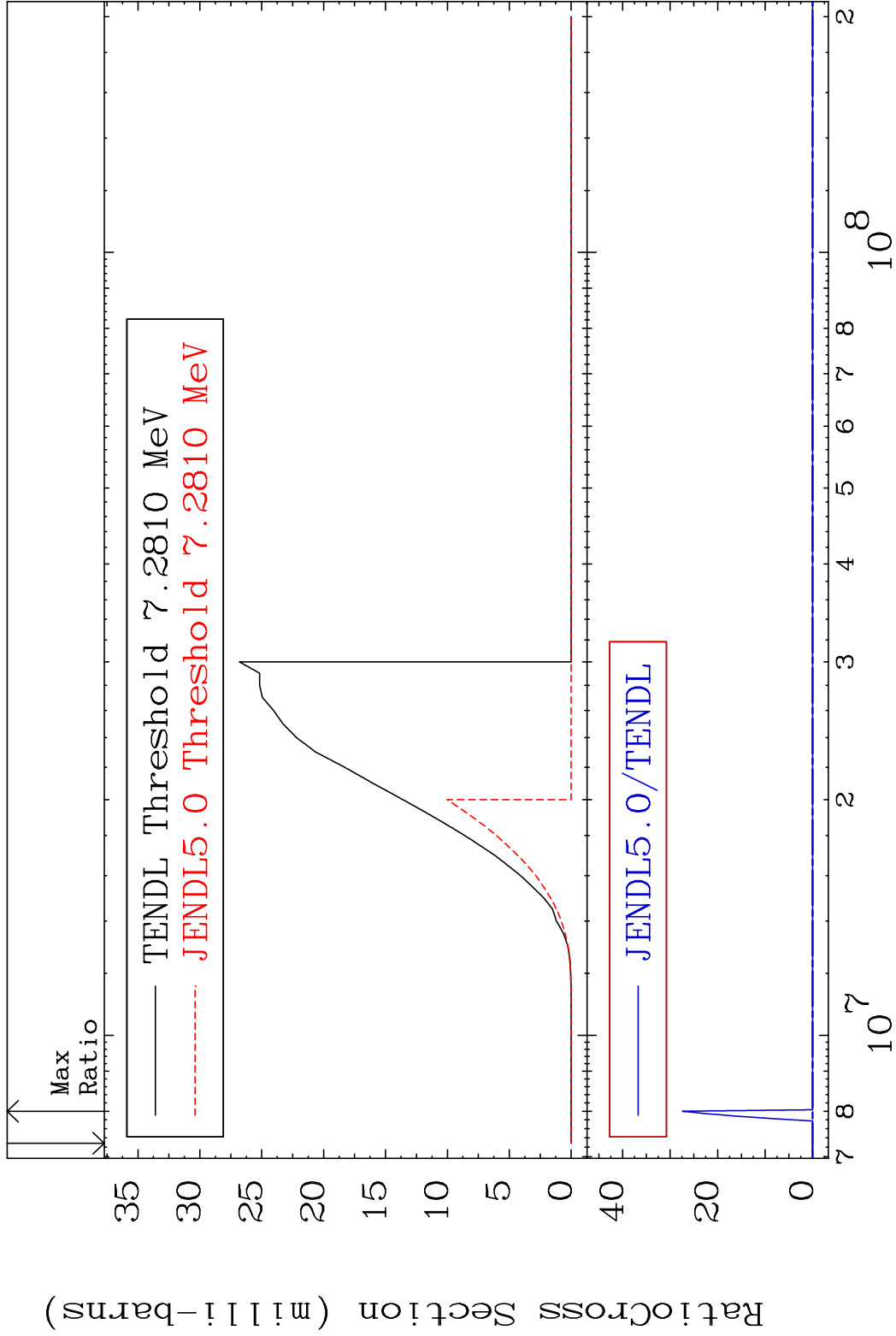
38-Sr-87

MAT 3834

(n,d)

38-Sr-87

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

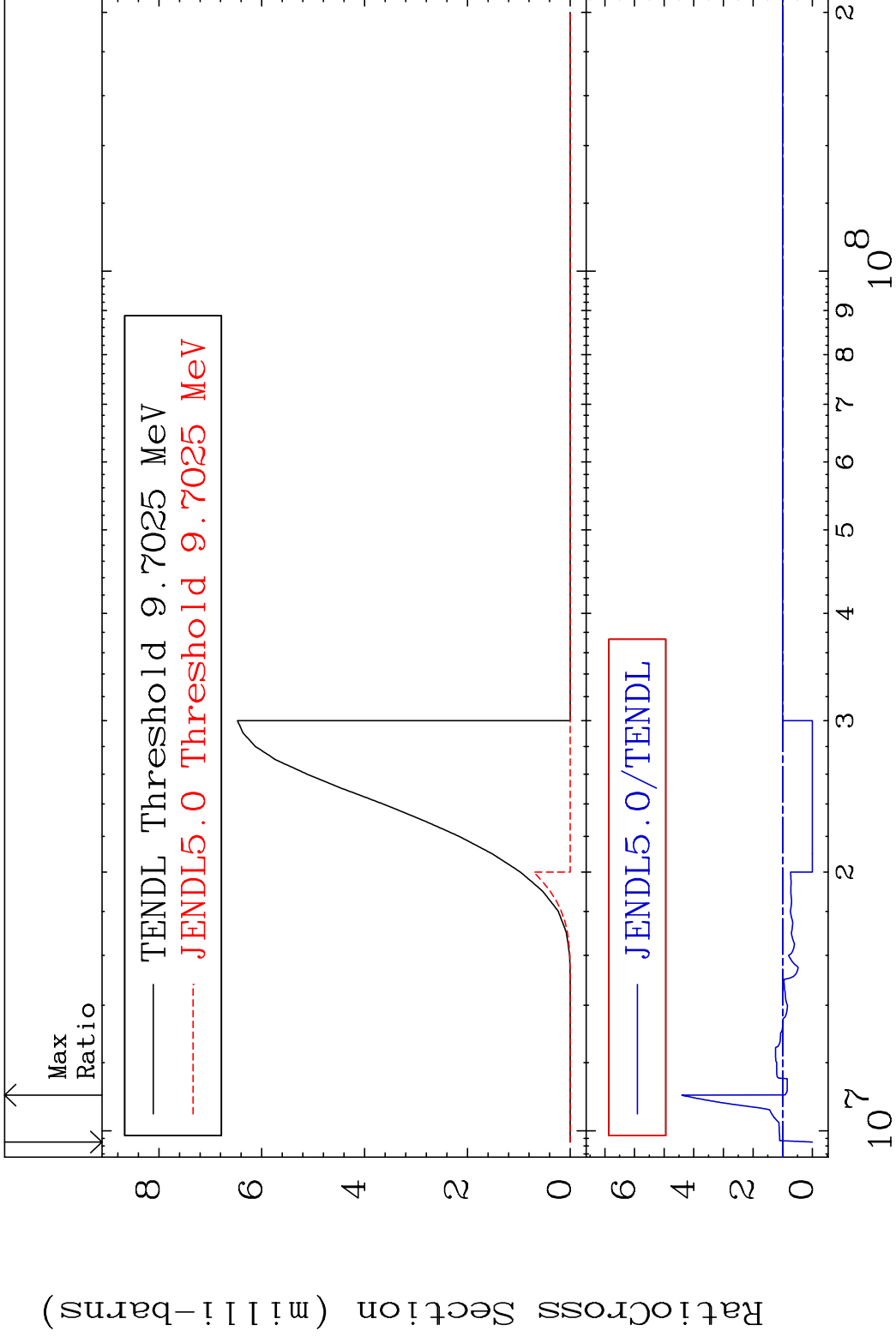
38-Sr-87

MAT 3834

(n, t)

38-Sr-87

Cross Section -100.0 To 340.5 %



43

Incident Energy (eV)

38-Sr-87

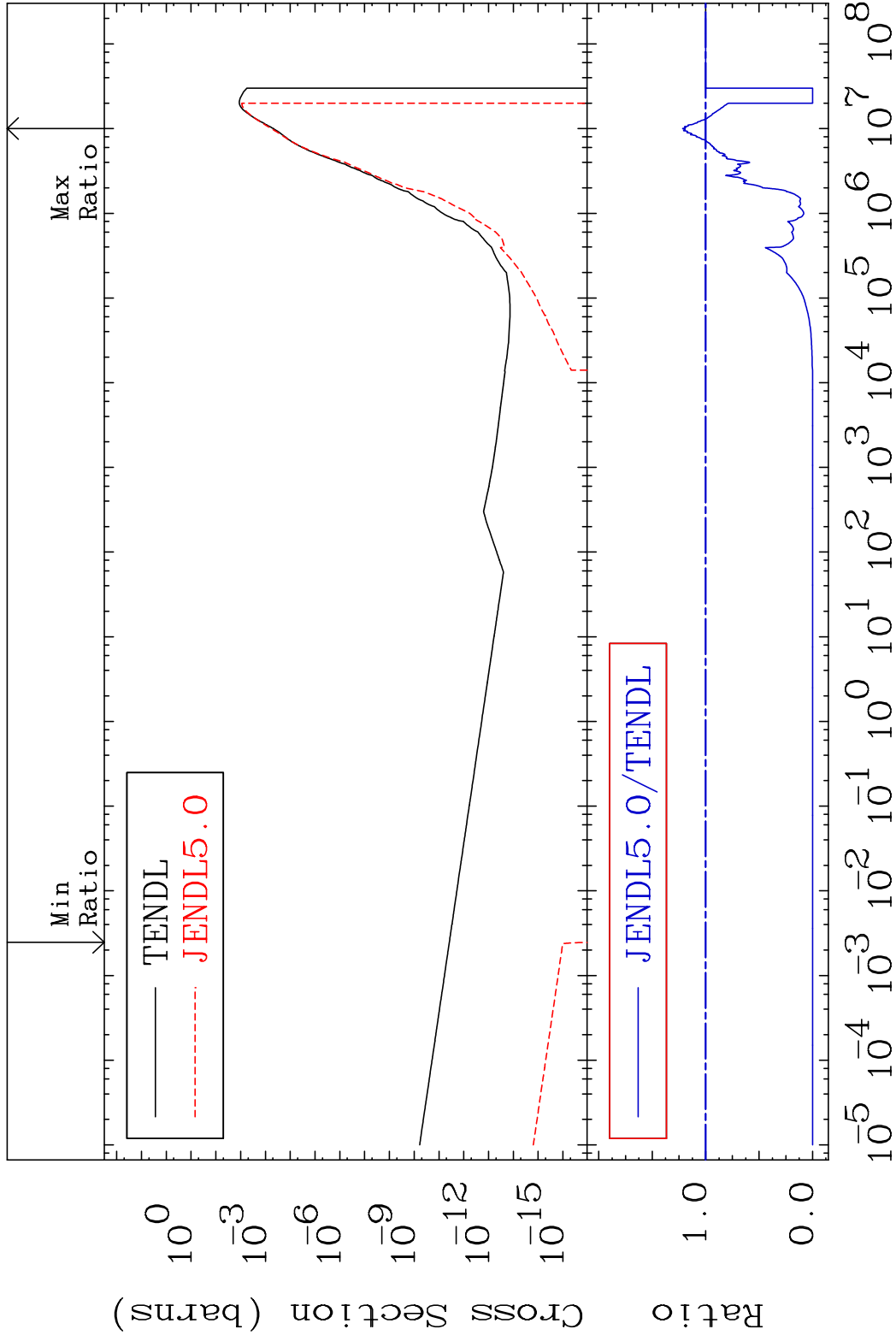


MAT 3834

(n,  $\alpha$ )

38-Sr-87

Cross Section -100.0 To 21.82 %



45

Incident Energy (eV)

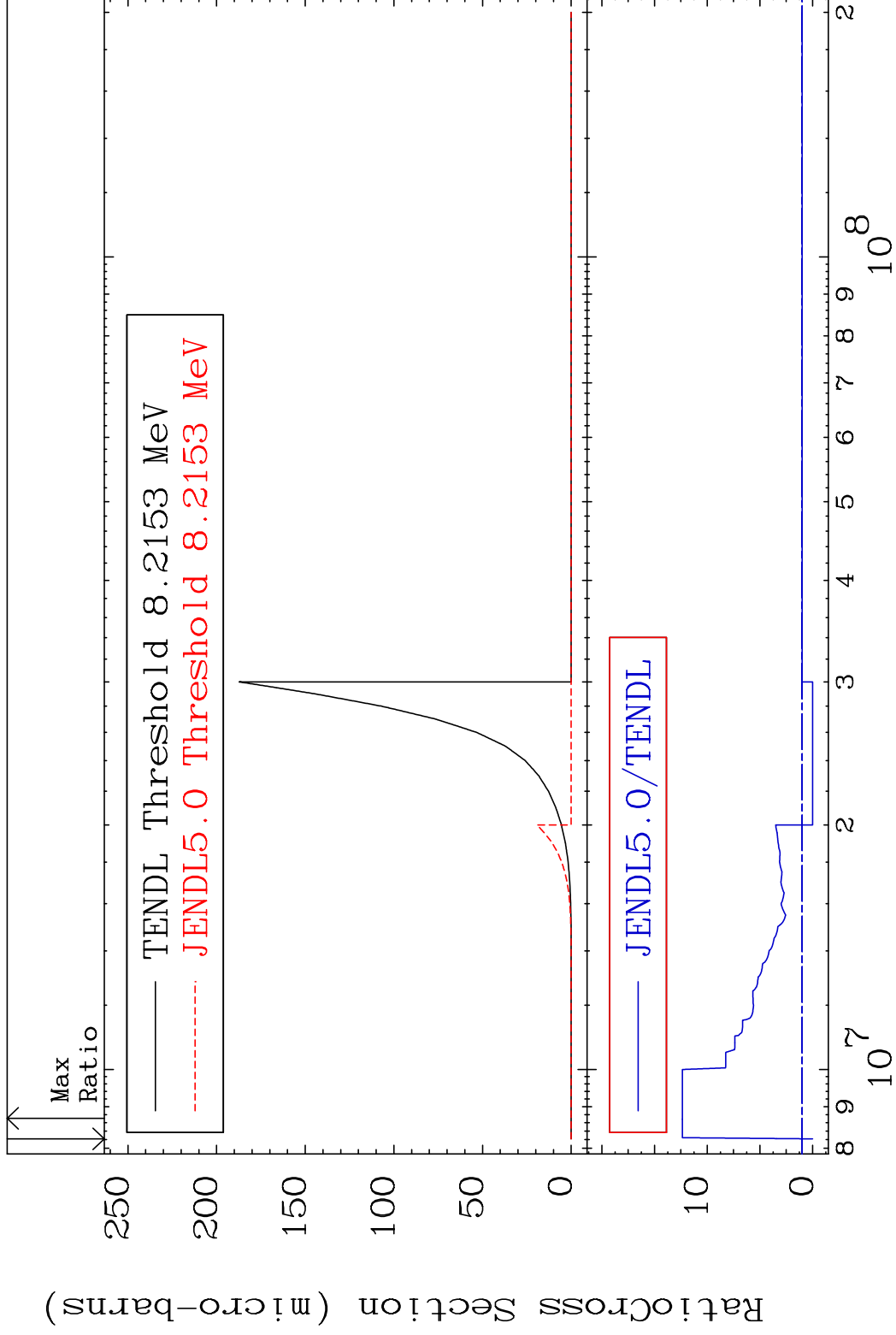
38-Sr-87

MAT 3834

(n,2p)

38-Sr-87

Cross Section -100.0 To 1136. %



46

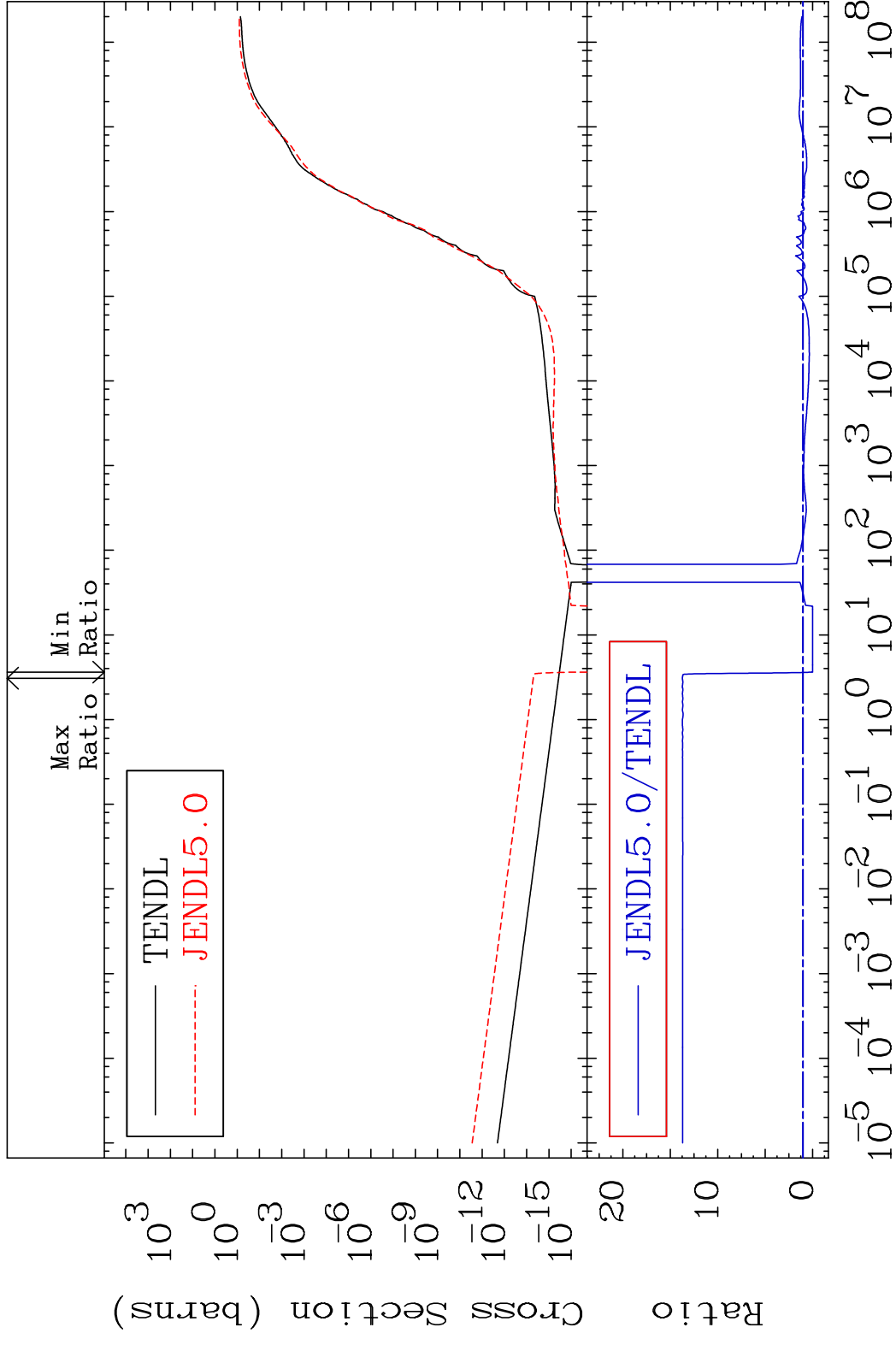
Incident Energy (eV)

38-Sr-87

MAT 3834

Hydrogen Production  
Cross Section -100.0 To 1273. %

38-Sr-87

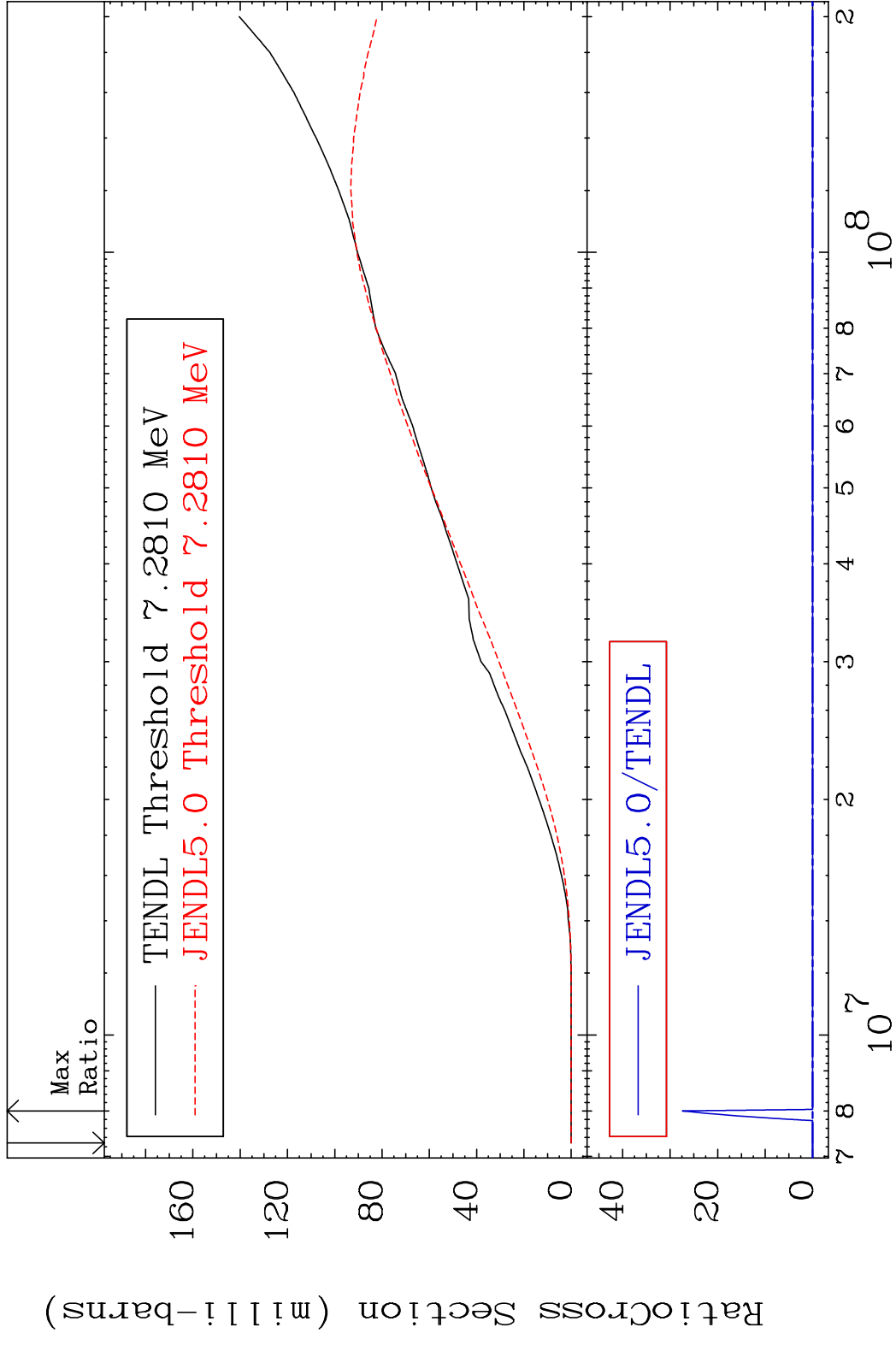


47

Incident Energy (eV)

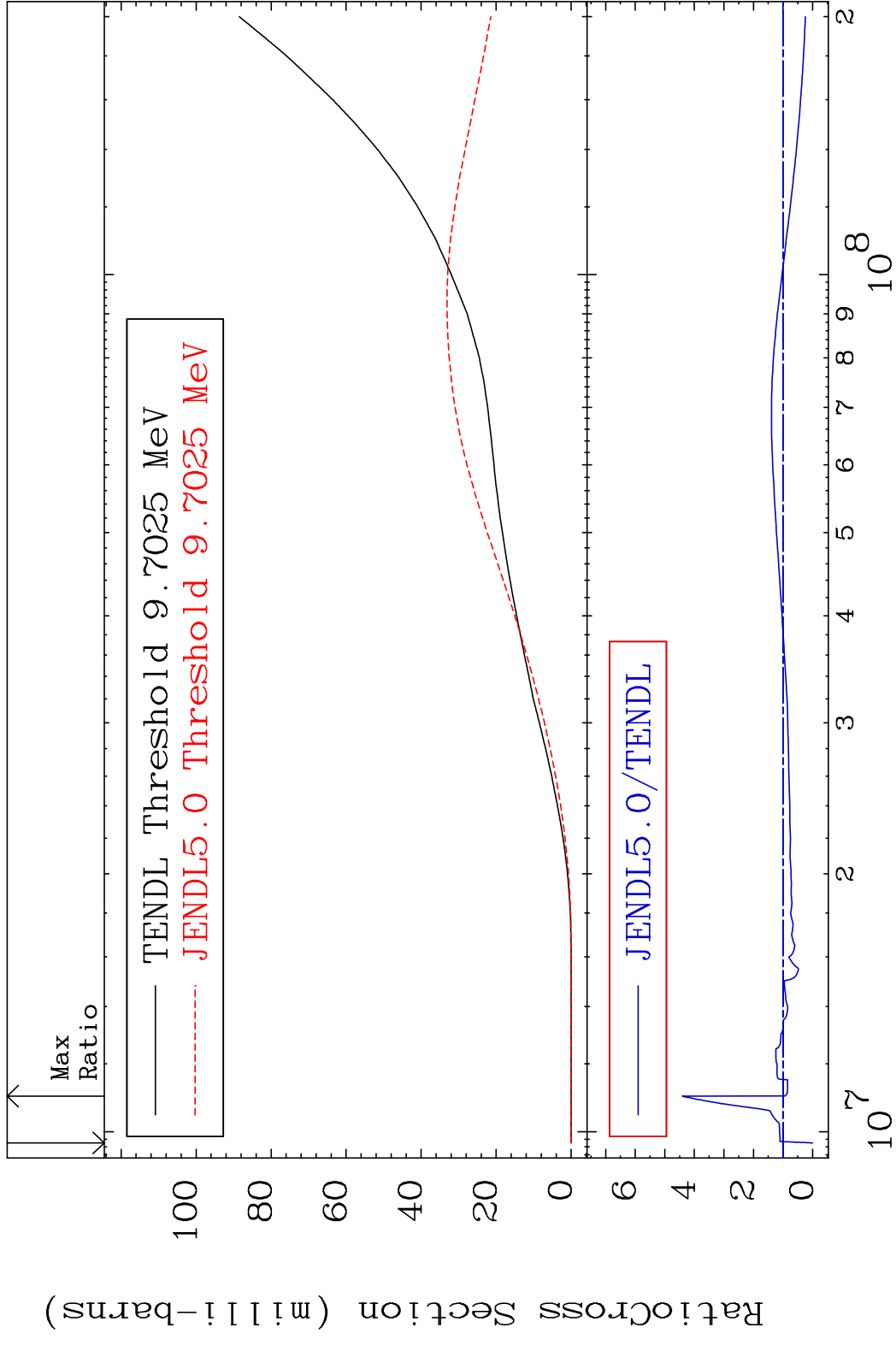
38-Sr-87

MAT 3834 Deuterium Production 38-Sr-87  
 Cross Section -100.0 To 9999. %



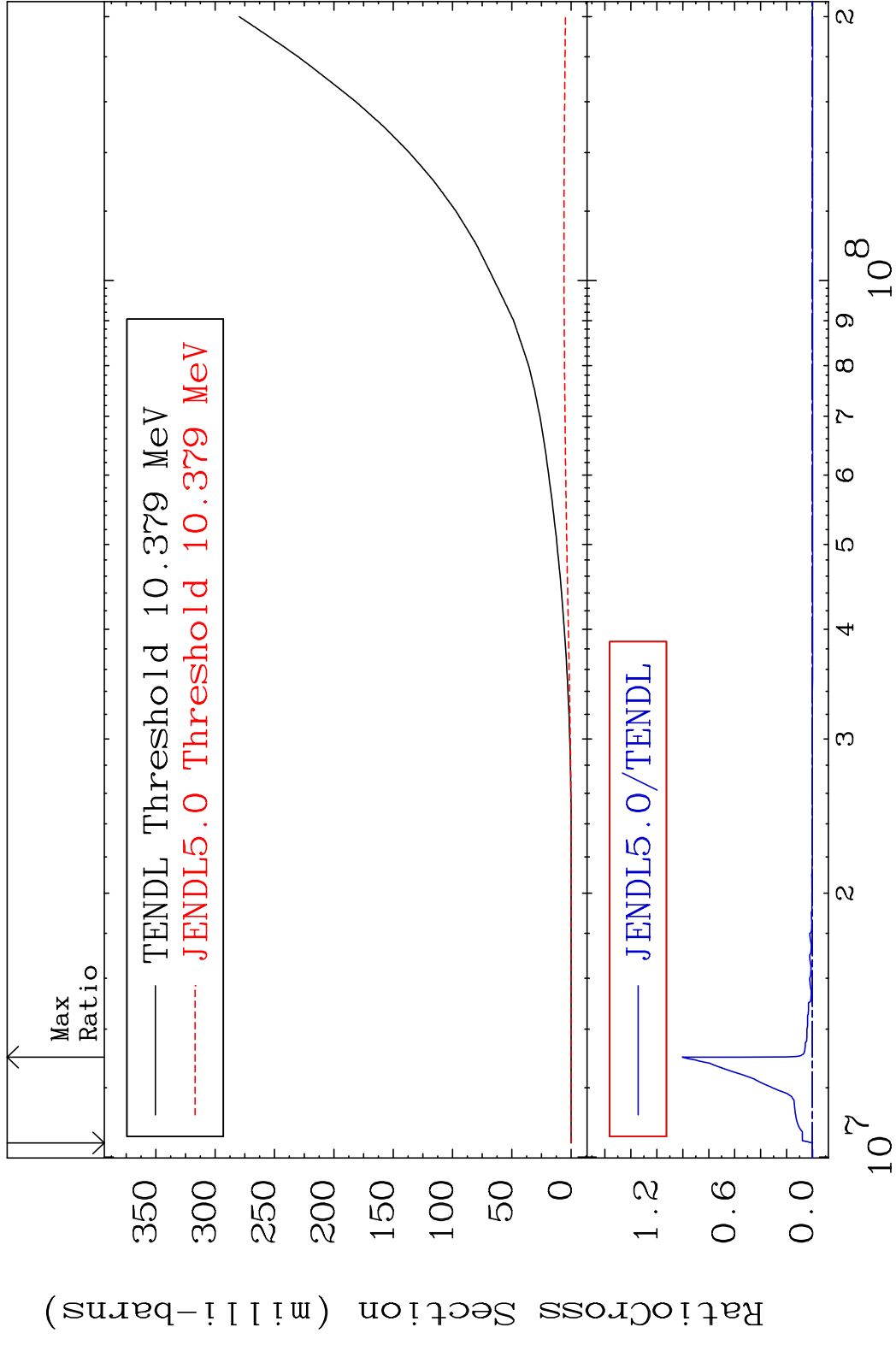
48 38-Sr-87

MAT 3834 Tritium Production 38-Sr-87  
 Cross Section -100.0 To 340.5 %



49 38-Sr-87

MAT 3834 He-3 Production 38-Sr-87  
 Cross Section -100.0 To 9999. %



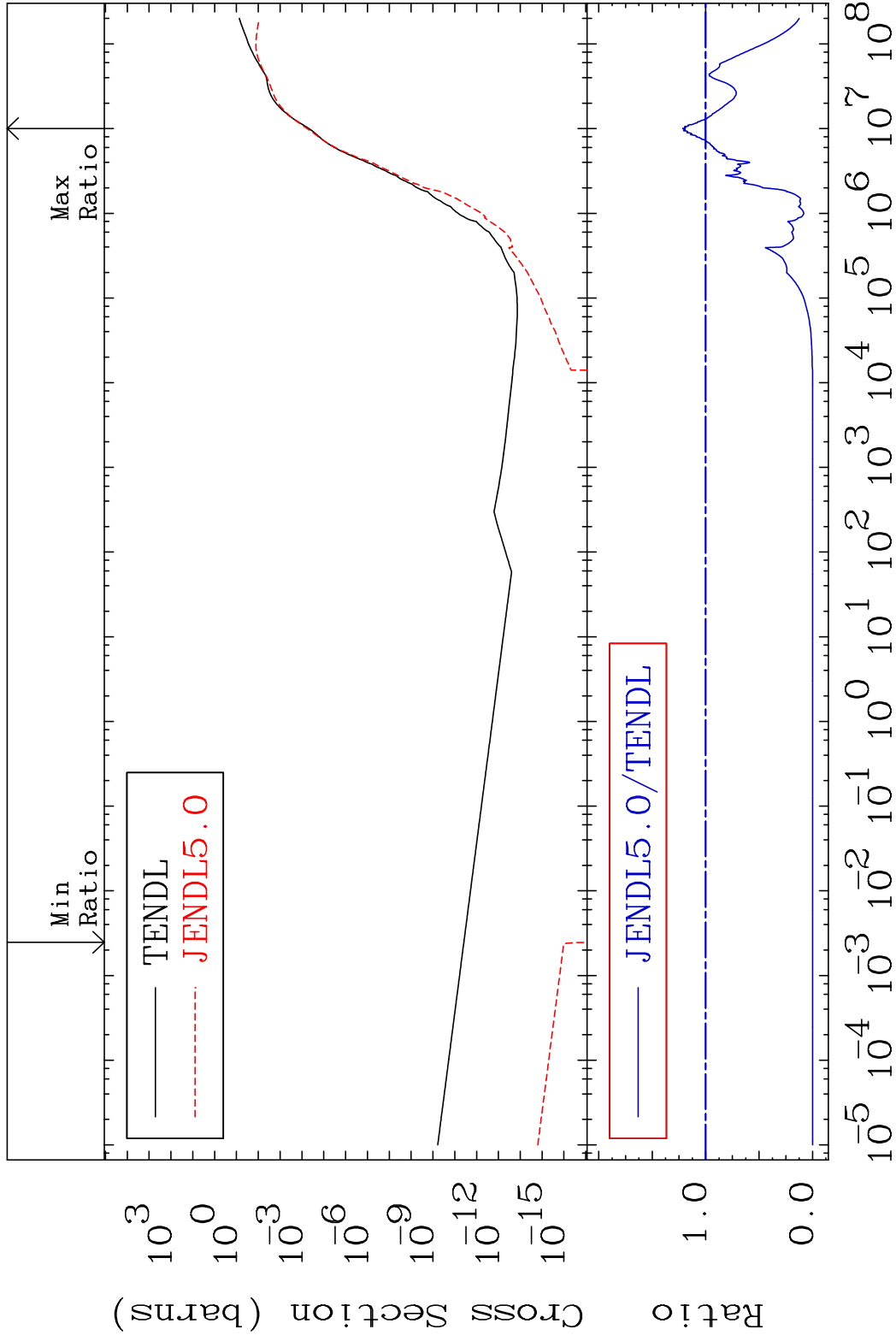
50 Incident Energy (eV) 38-Sr-87

MAT 3834

He-4 Production

38-Sr-87

Cross Section -100.0 To 21.82 %

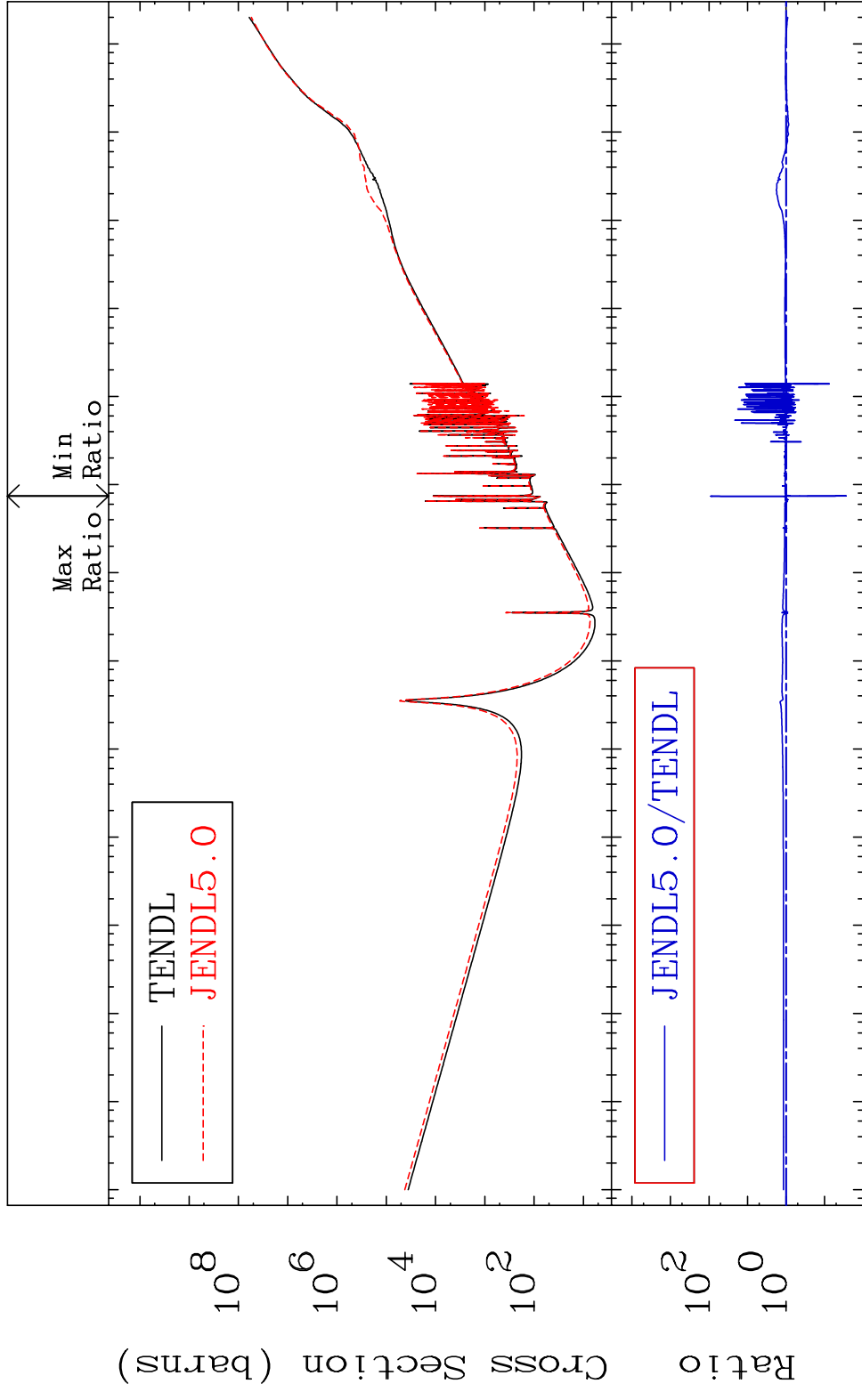


51

Incident Energy (eV)

38-Sr-87

MAT 3834 Kerma total (eV-barns) 38-Sr-87  
 Cross Section -97.28 To 8921. %

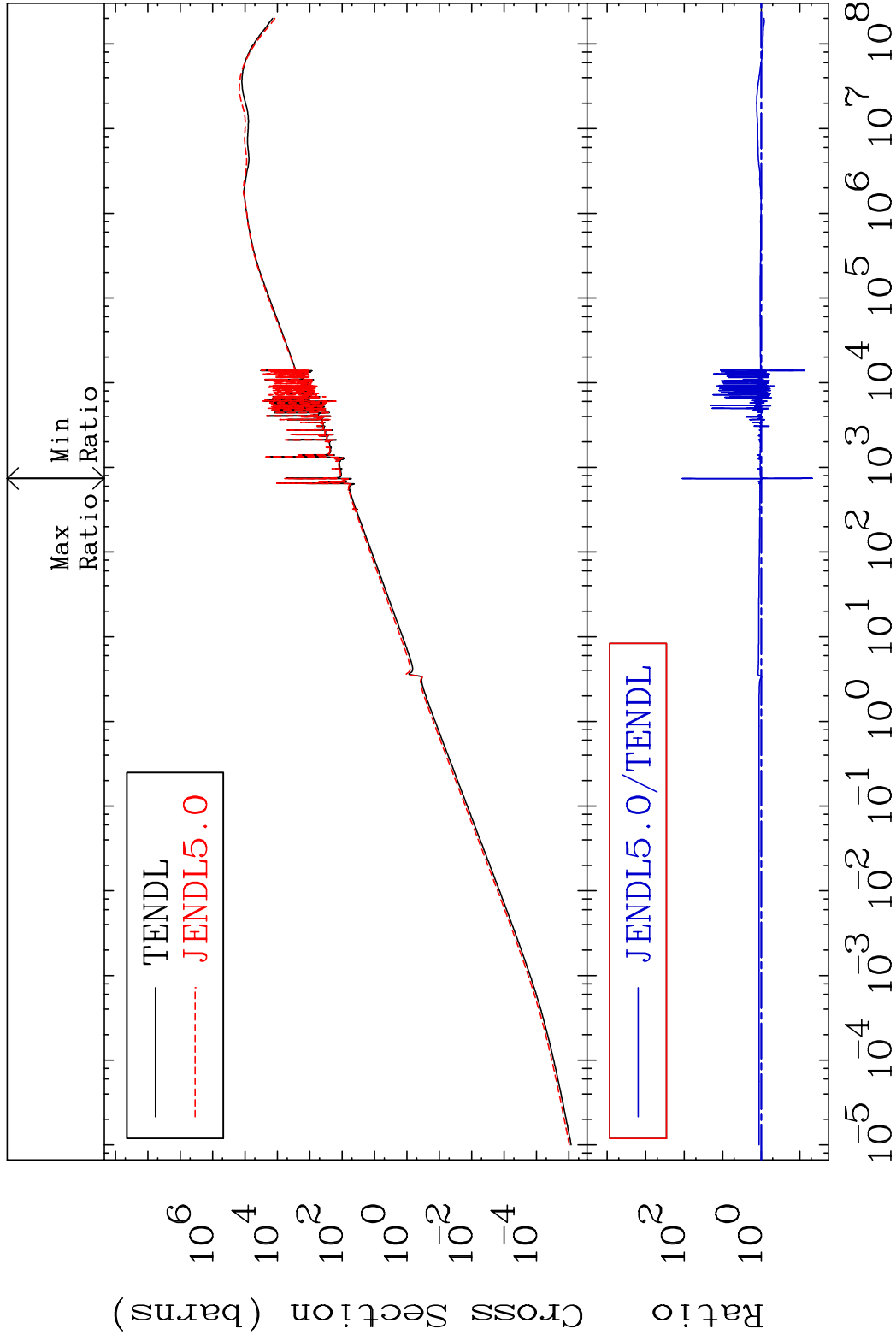


MAT 3834

Kerma elastic

38-Sr-87

Cross Section -95.35 To 9999. %

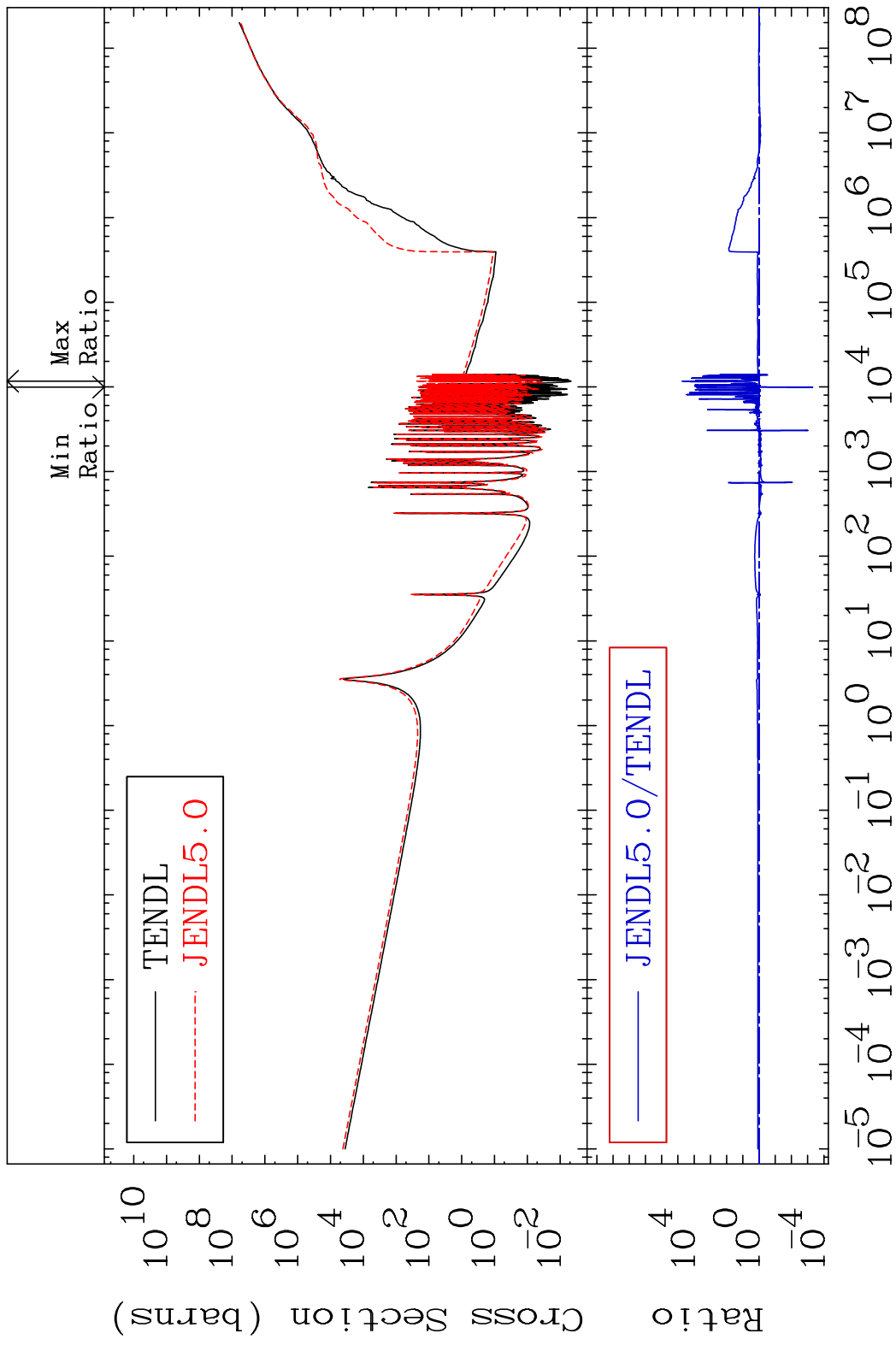


53

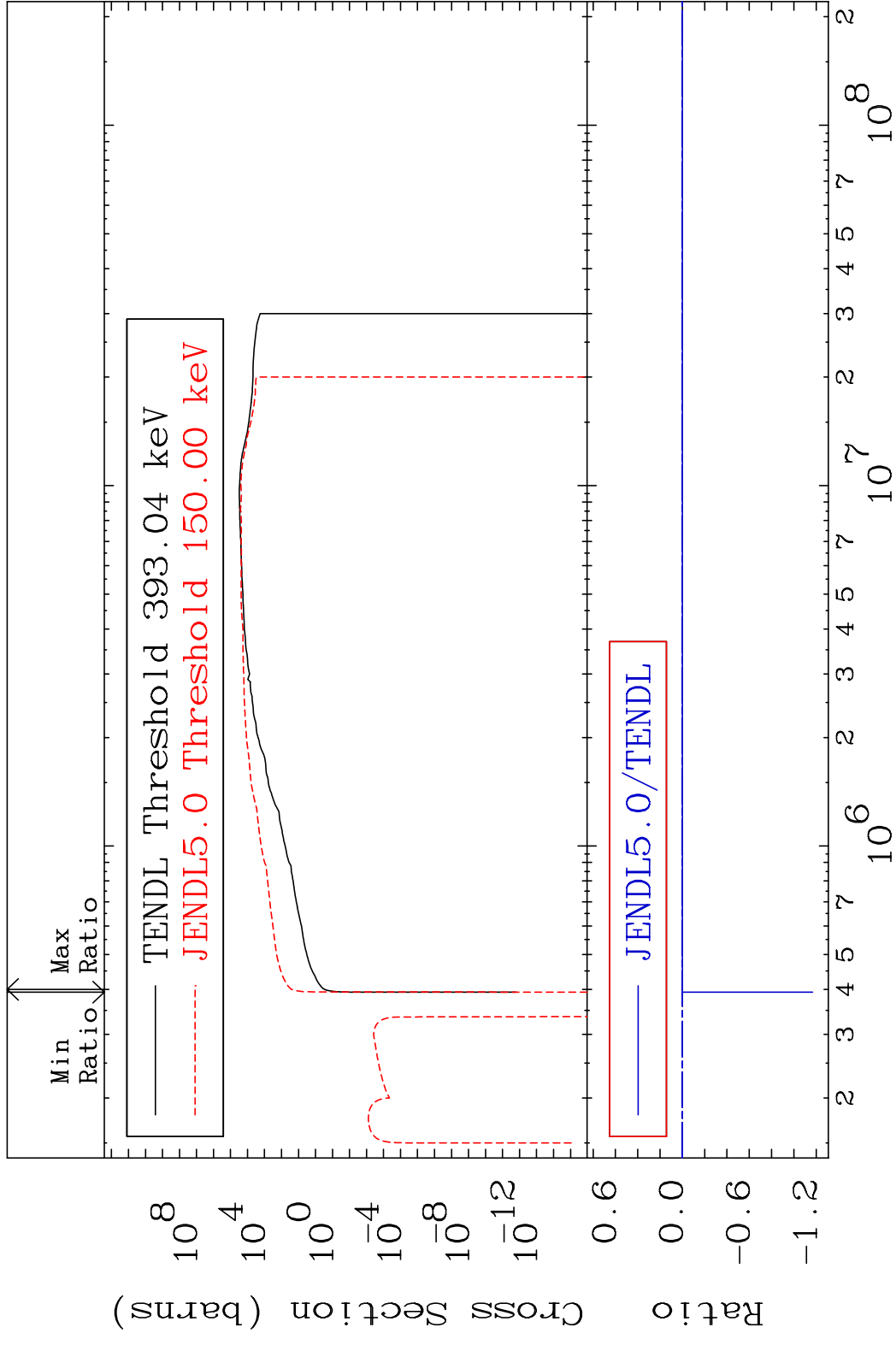
Incident Energy (eV)

38-Sr-87

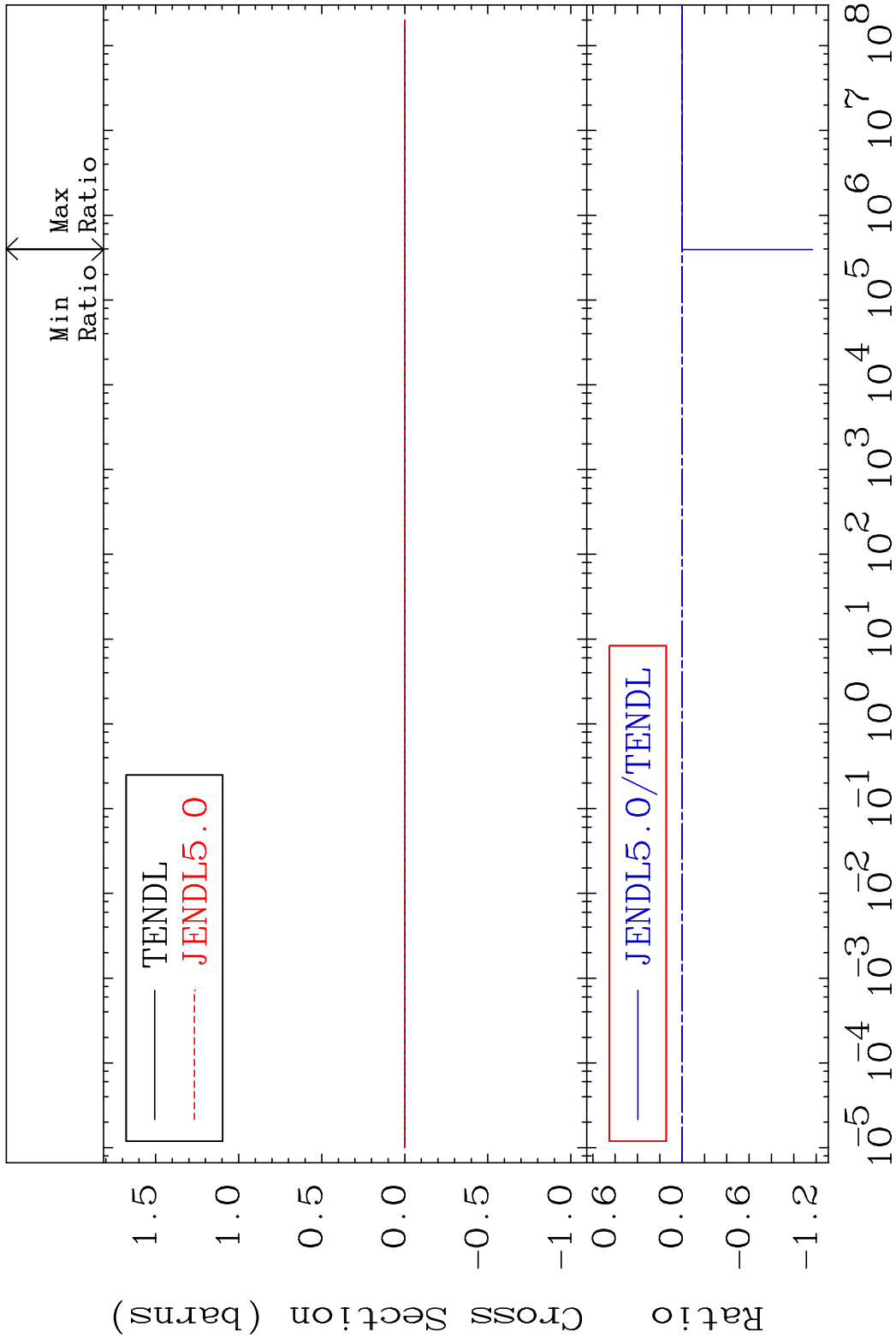
MAT 3834 Kerma non-elastic (all but mt2) 38-Sr-87  
 Cross Section -99.95 To 9999. %



MAT 3834 Kerma inelastic (mt51-91) 38-Sr-87  
 Cross Section -9999. To 8511. %

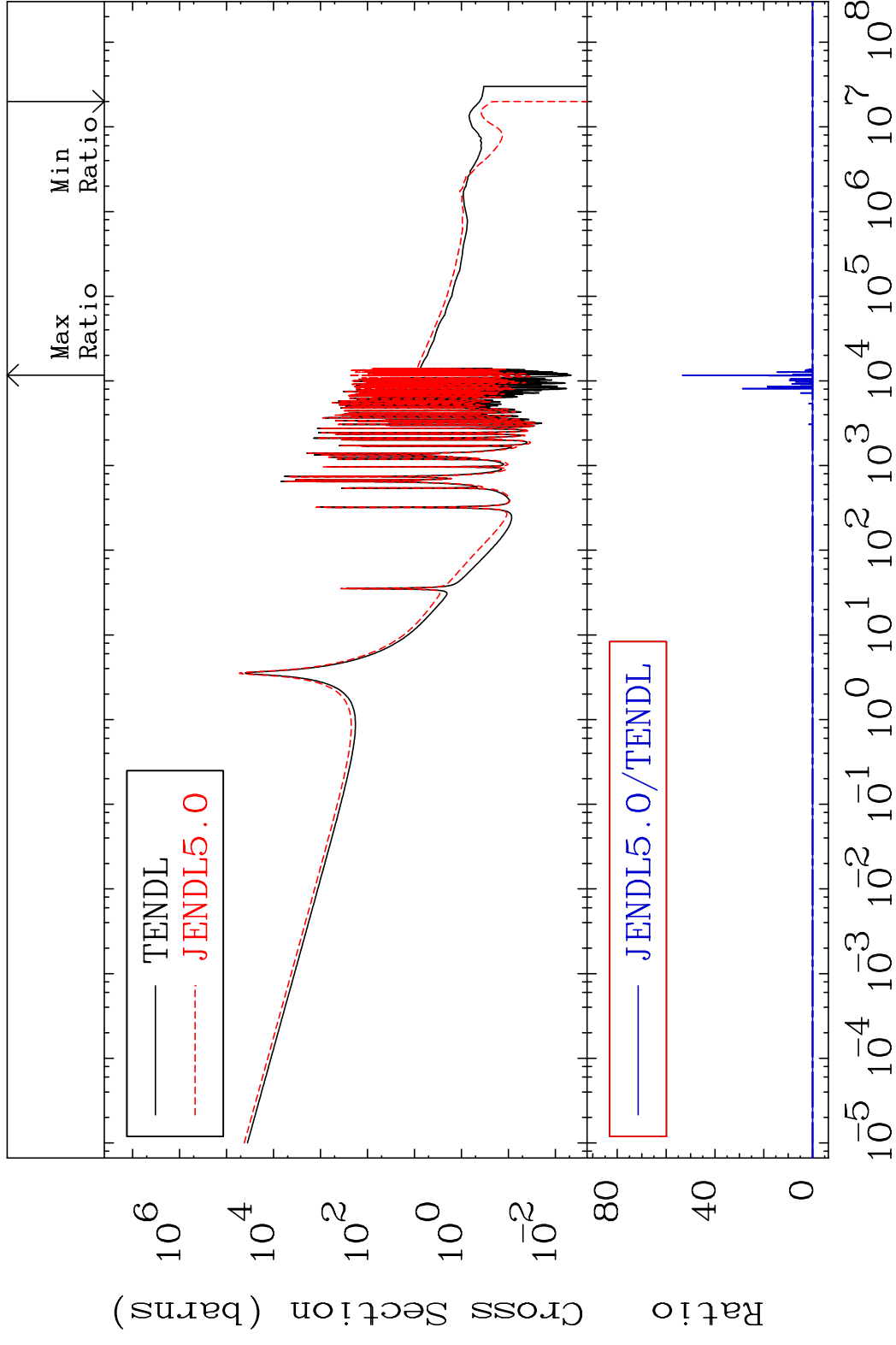


MAT 3834 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-87  
 Cross Section -9999. To 8511. %



MAT 3834

Kerma capture (mt102) 38-Sr-87  
Cross Section -100.0 To 9999. %

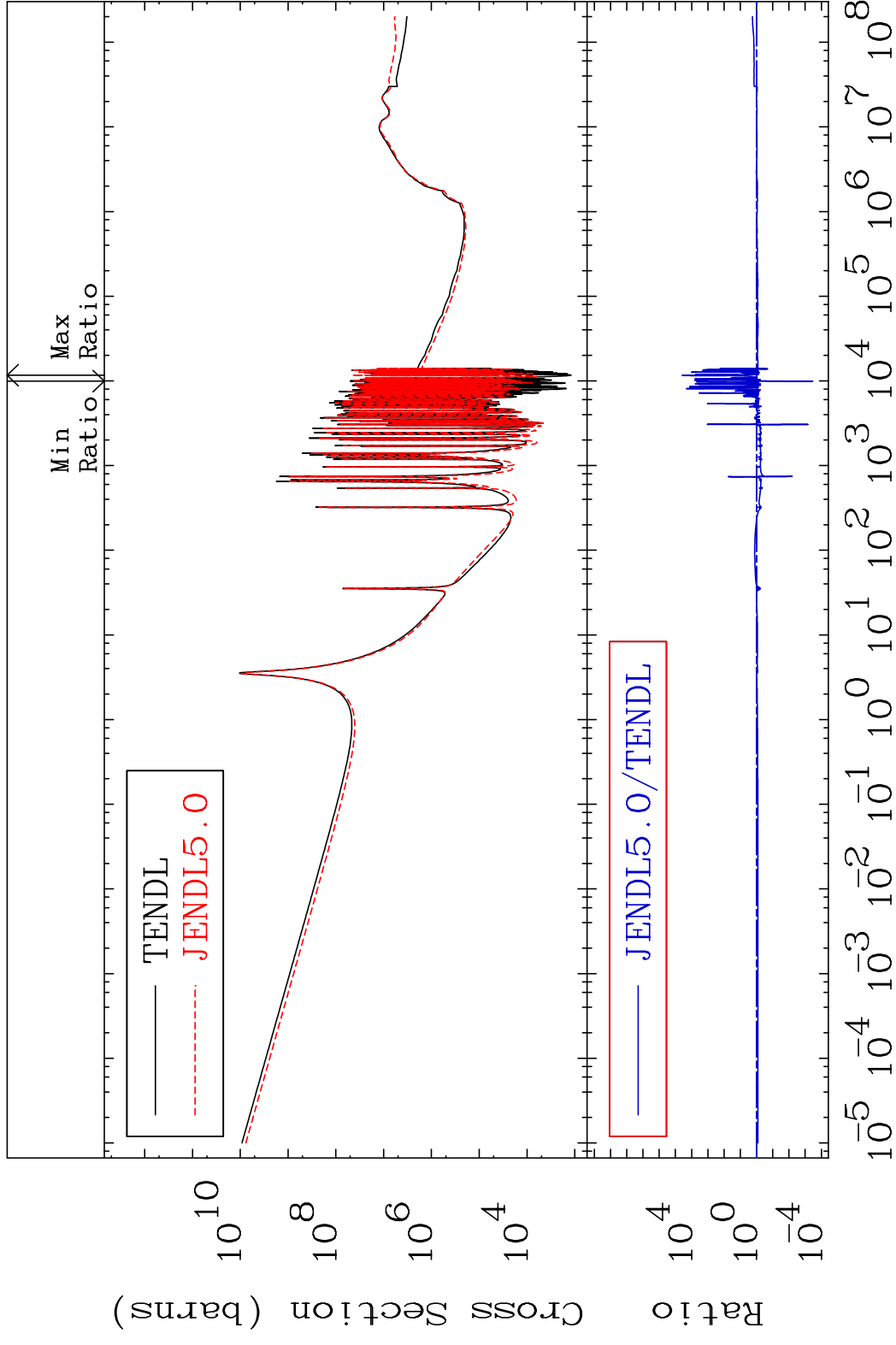


57

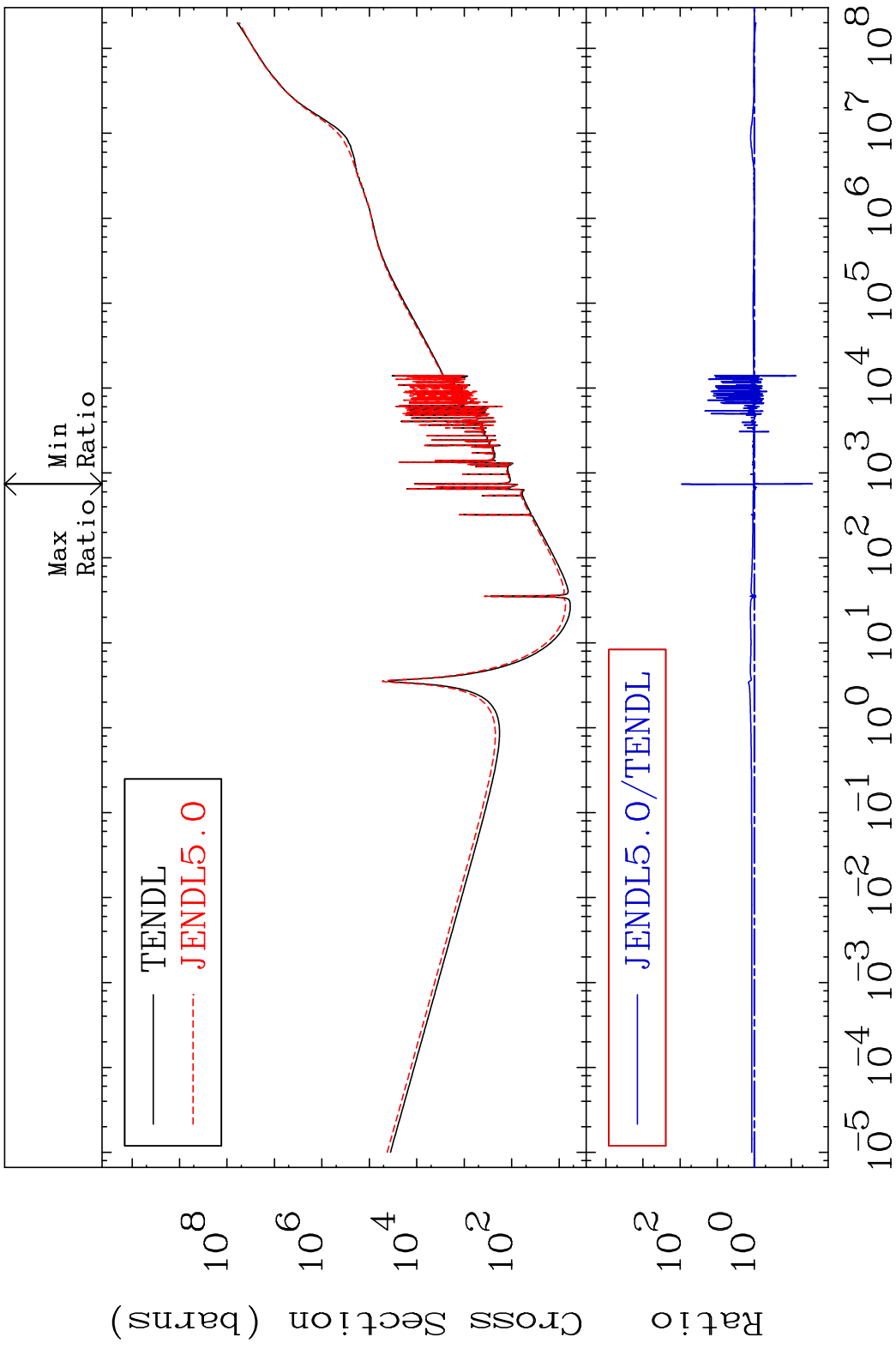
Incident Energy (eV)

38-Sr-87

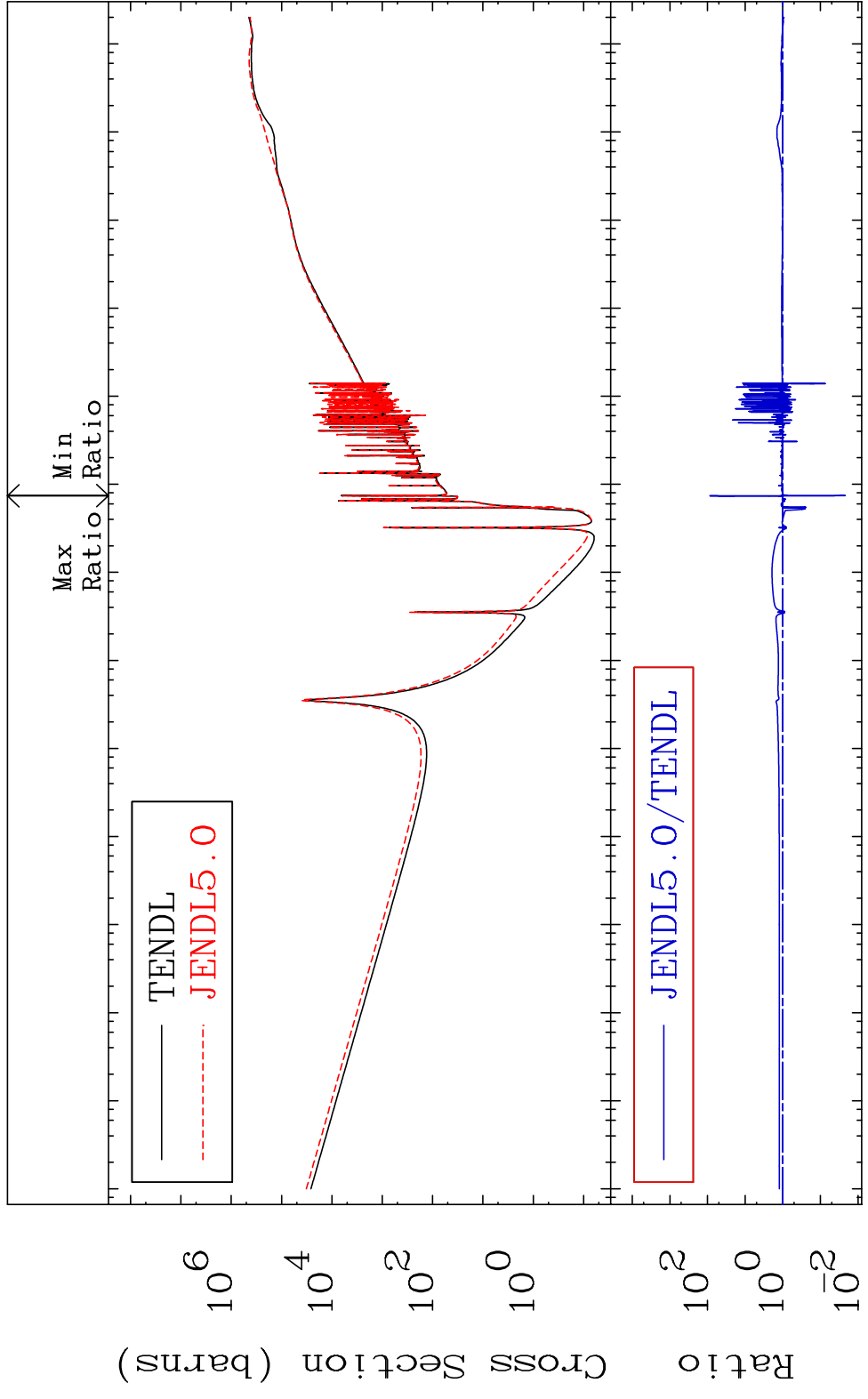
MAT 3834 Total photon (eV-barns) 38-Sr-87  
Cross Section -99.96 To 9999. %



MAT 3834 Total kinematic kerma (high limit) 38-Sr-87  
Cross Section -97.28 To 8921. %



MAT 3834      Dpa total (eV-barns)      38-Sr-87  
 Cross Section      -97.82 To 8593. %

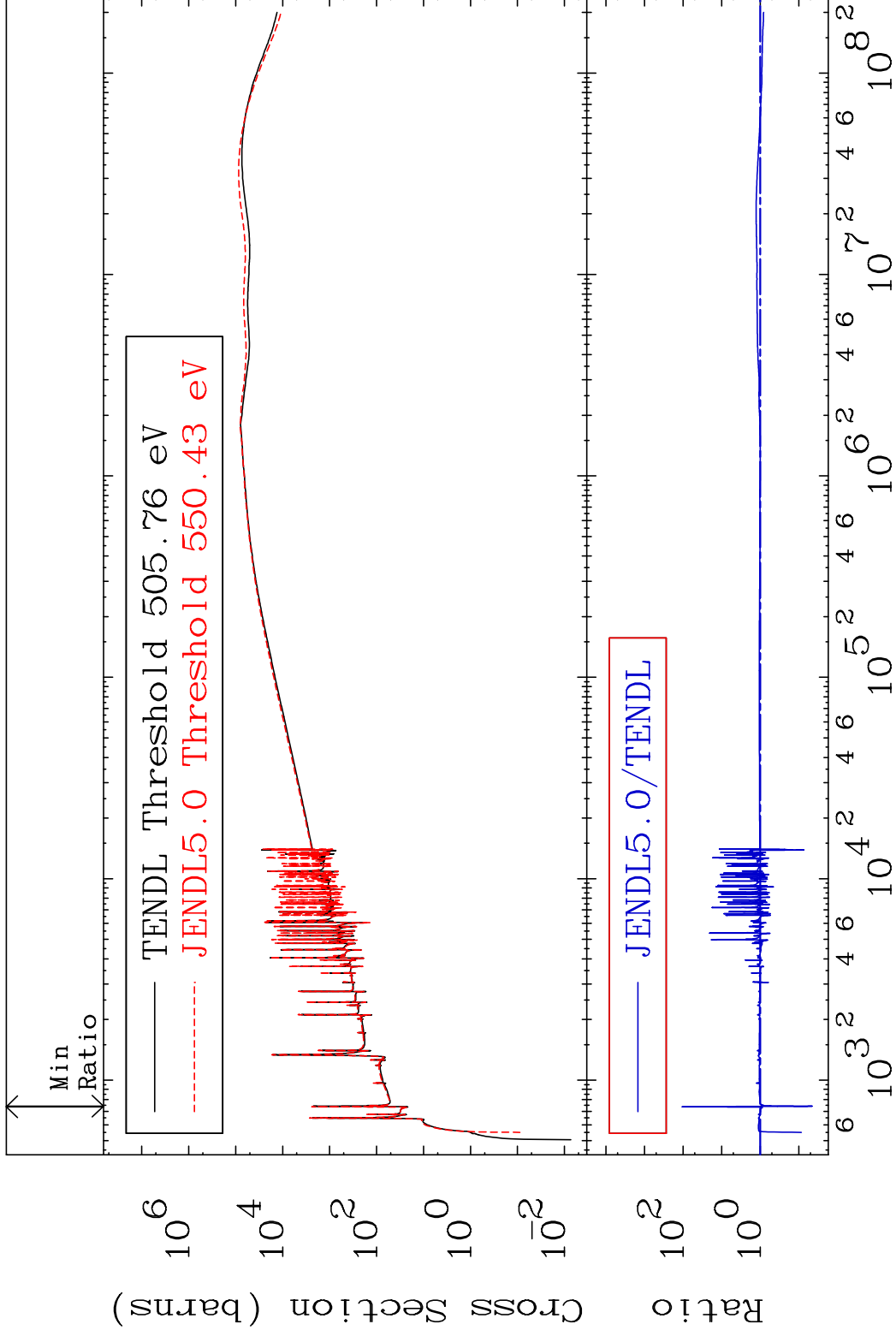


MAT 3834

Dpa elastic (mt2)

38-Sr-87

Cross Section -95.54 To 9999. %

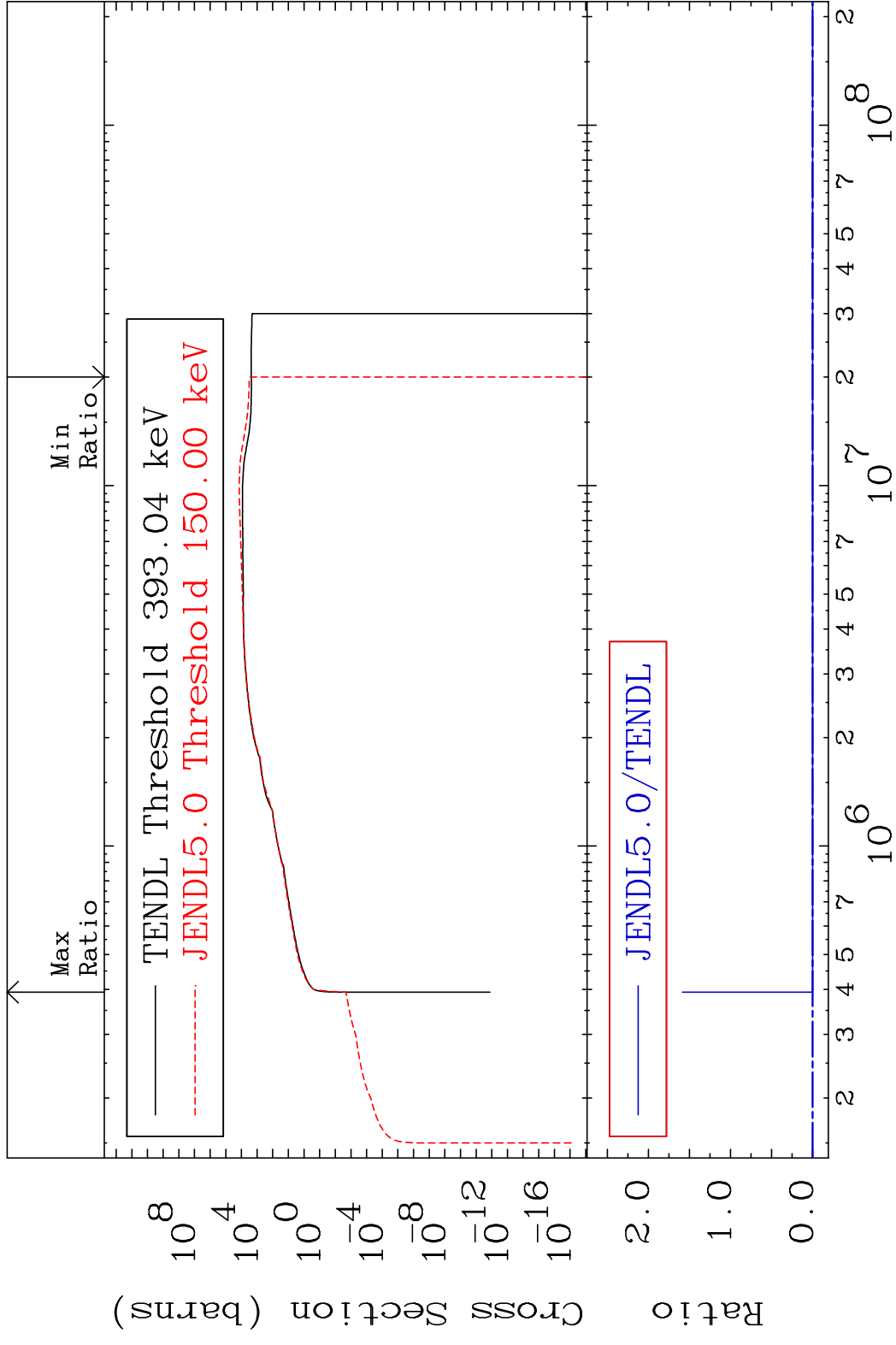


61

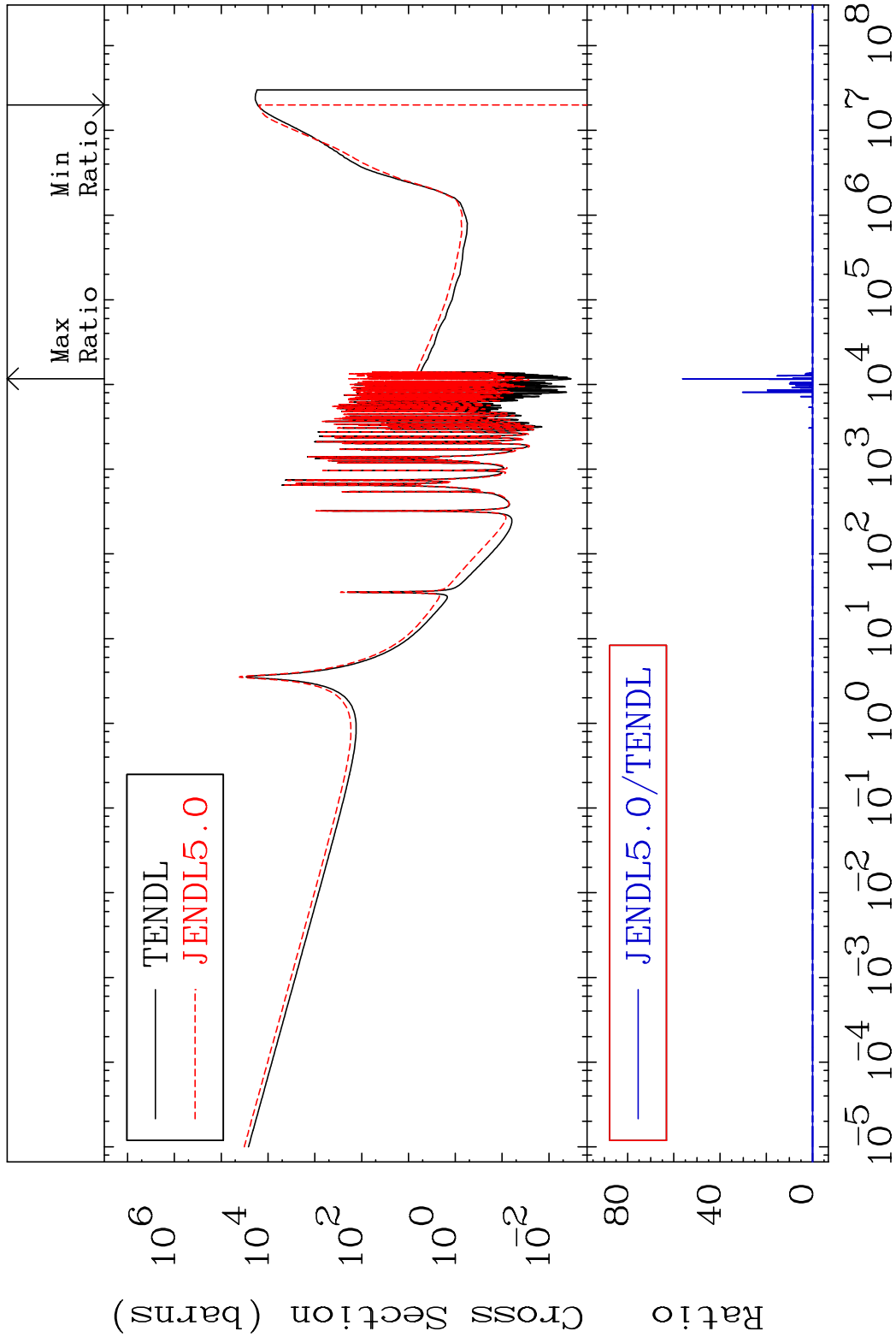
Incident Energy (eV)

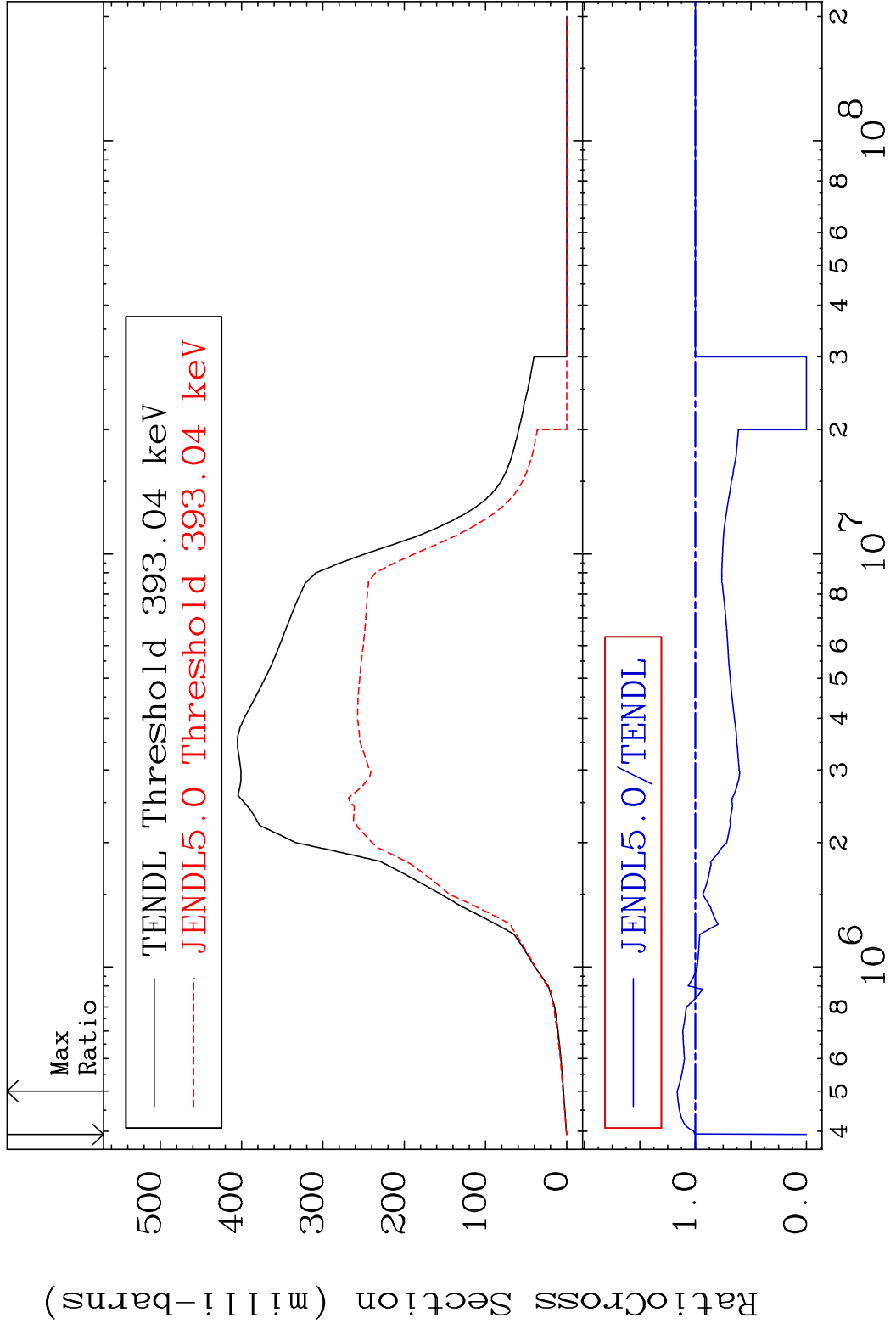
38-Sr-87

MAT 3834 Dpa inelastic (mt51-91) 38-Sr-87  
 Cross Section -100.0 To 9999. %

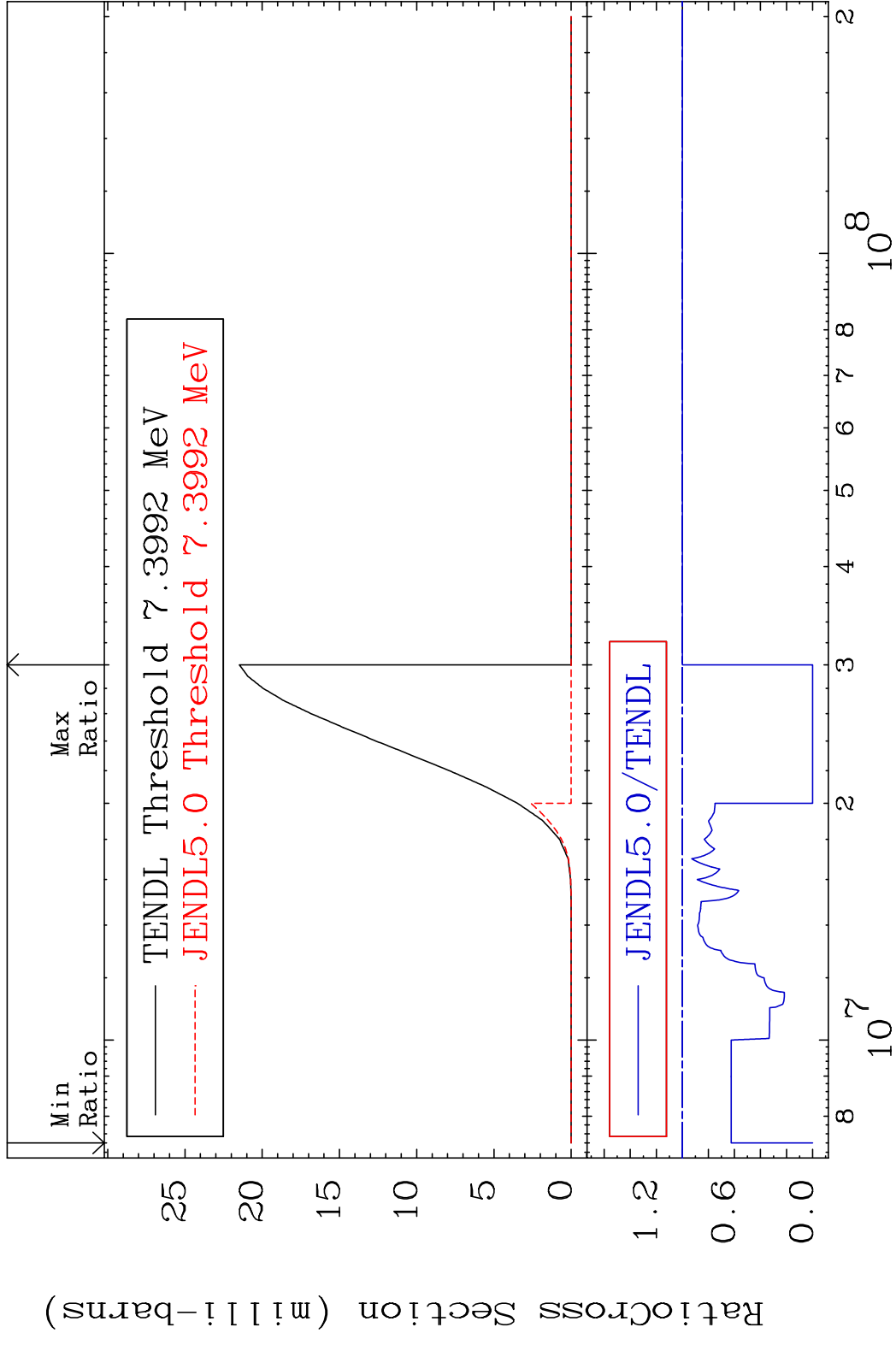


MAT 3834 Dpa disappearance (mt102 -120) 38-Sr-87  
 Cross Section -100.0 To 9999. %

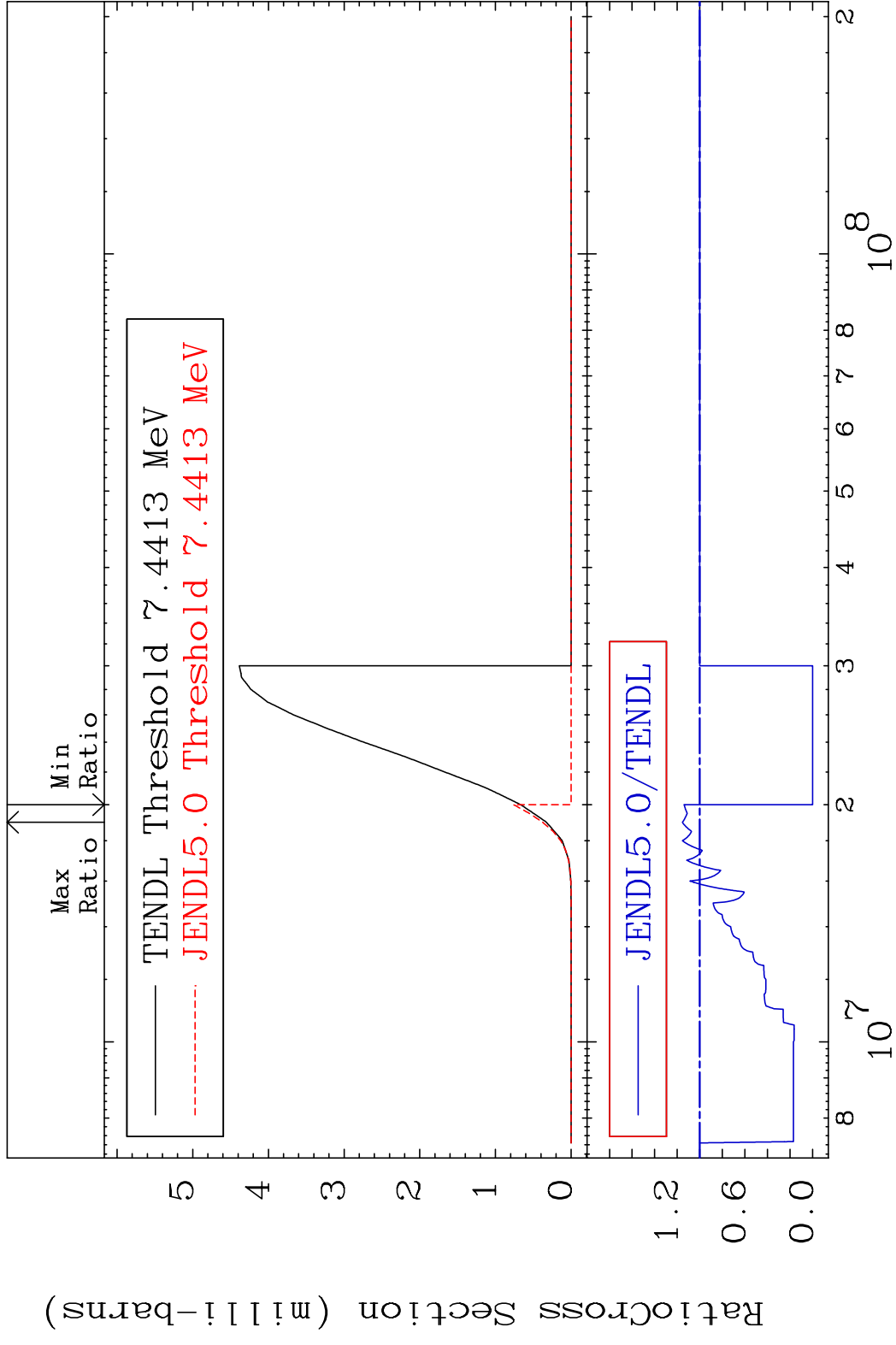




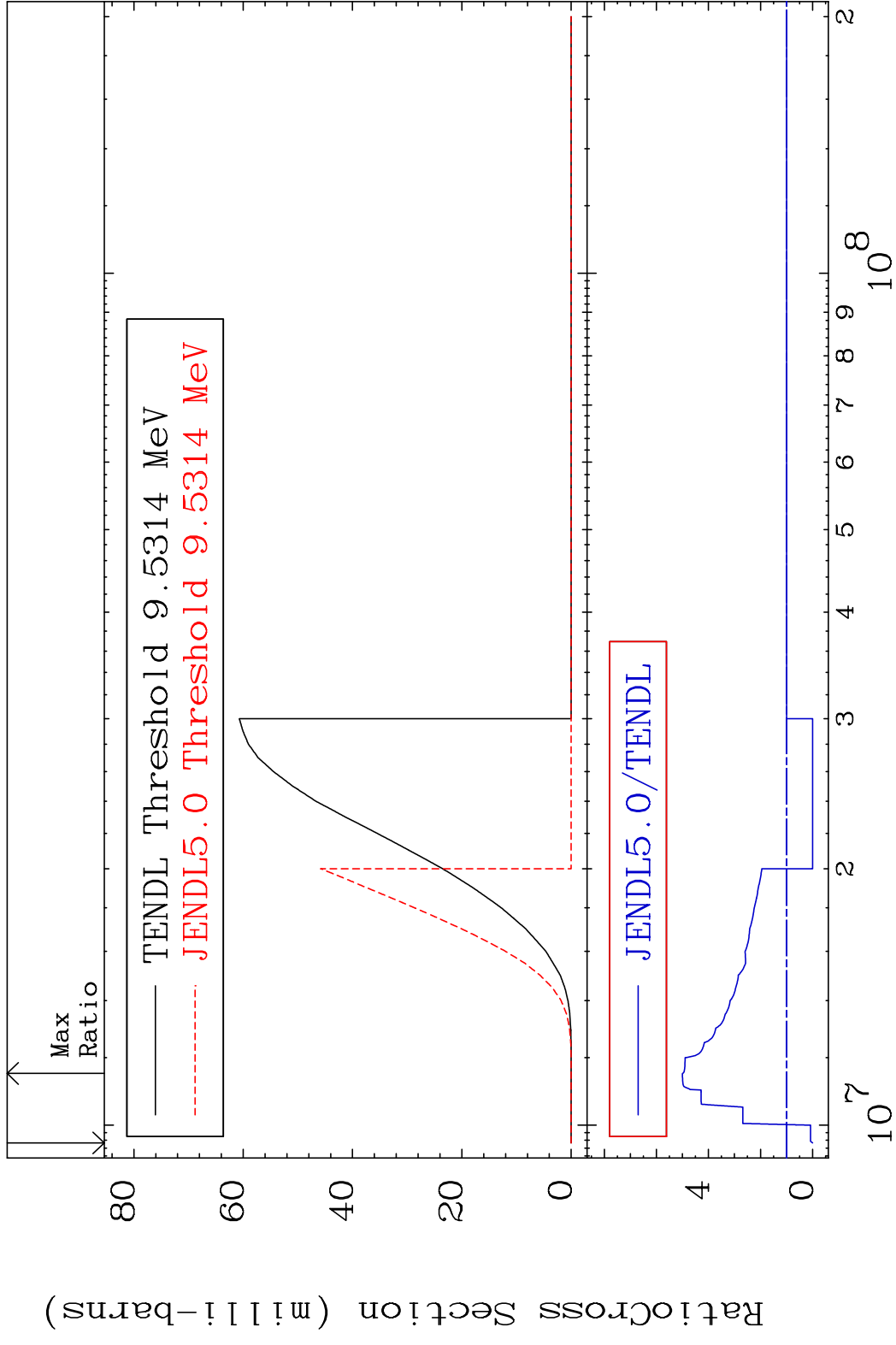
MAT 3834 (n, n')  $\alpha$ :36-Kr-83g 38-Sr-87  
 Radionuclide Production Cross Section Ratio 0.000 %



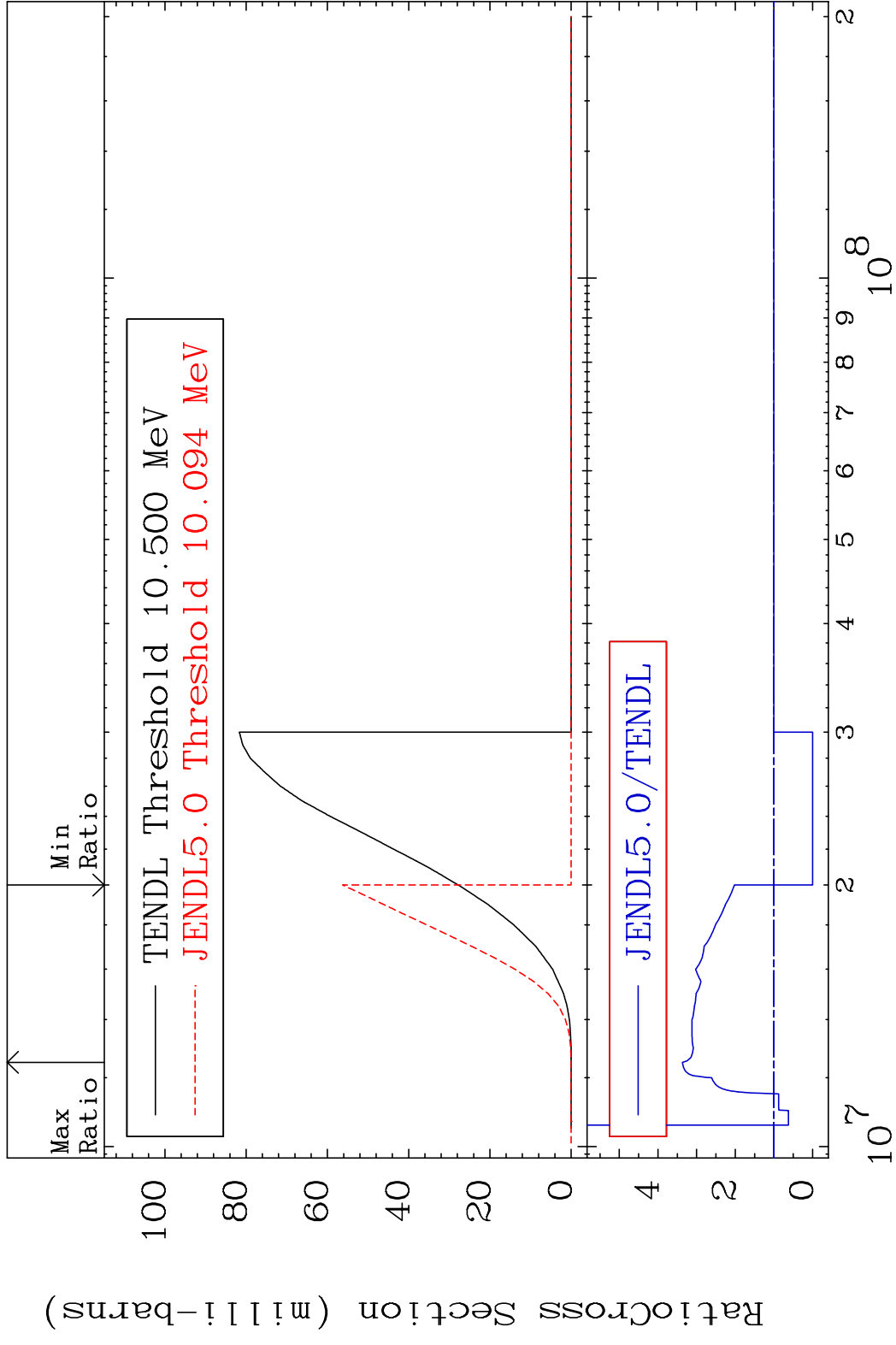
MAT 3834 (n, n')  $\alpha$ :36-Kr-83m2 38-Sr-87  
 Radionuclide Production Cross Section Ratio 15.44 %



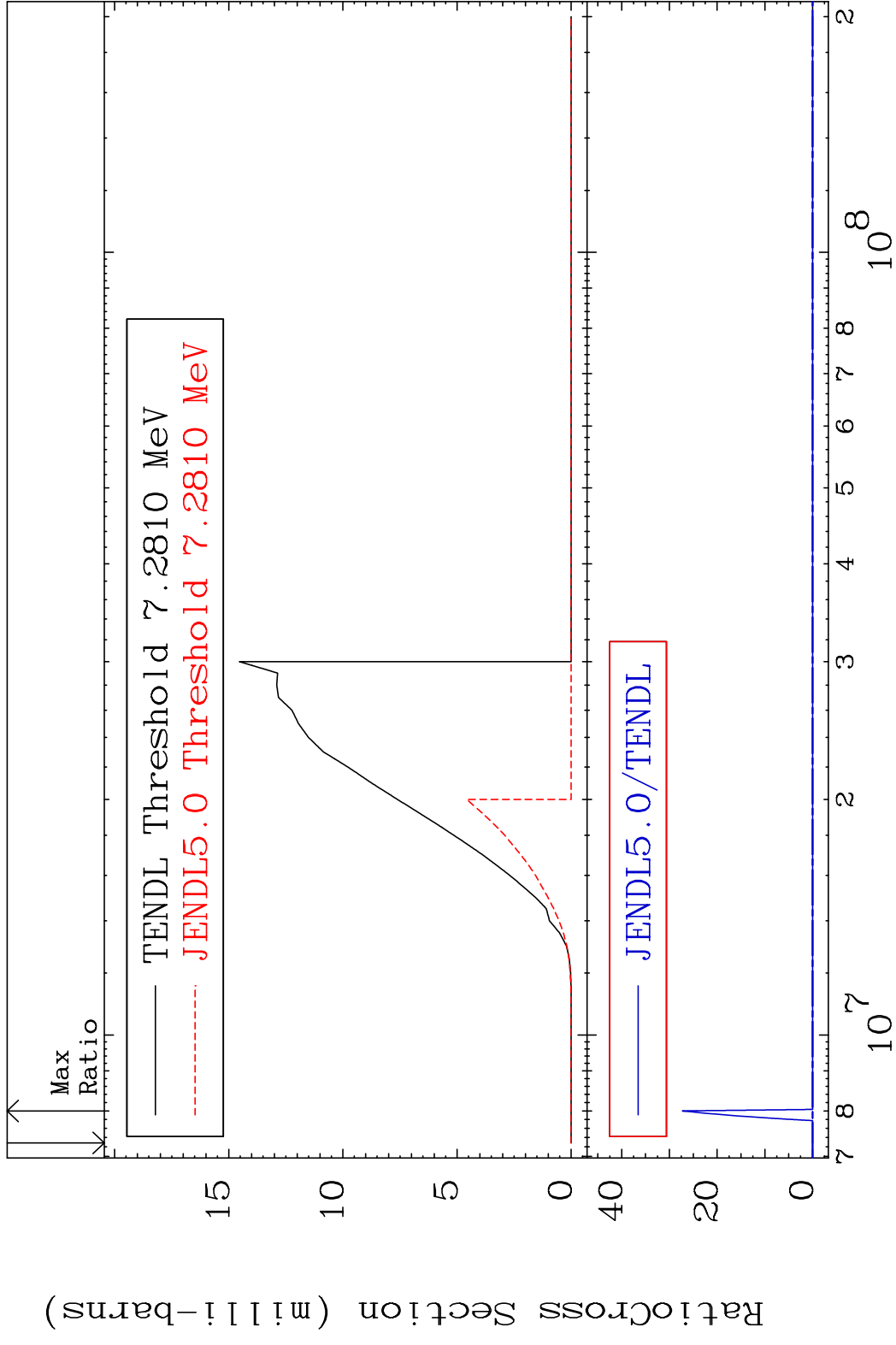
MAT 3834 (n, n') p:37-Rb-86g 38-Sr-87  
 Radionuclide Production Cross Section Ratio 400.2 %



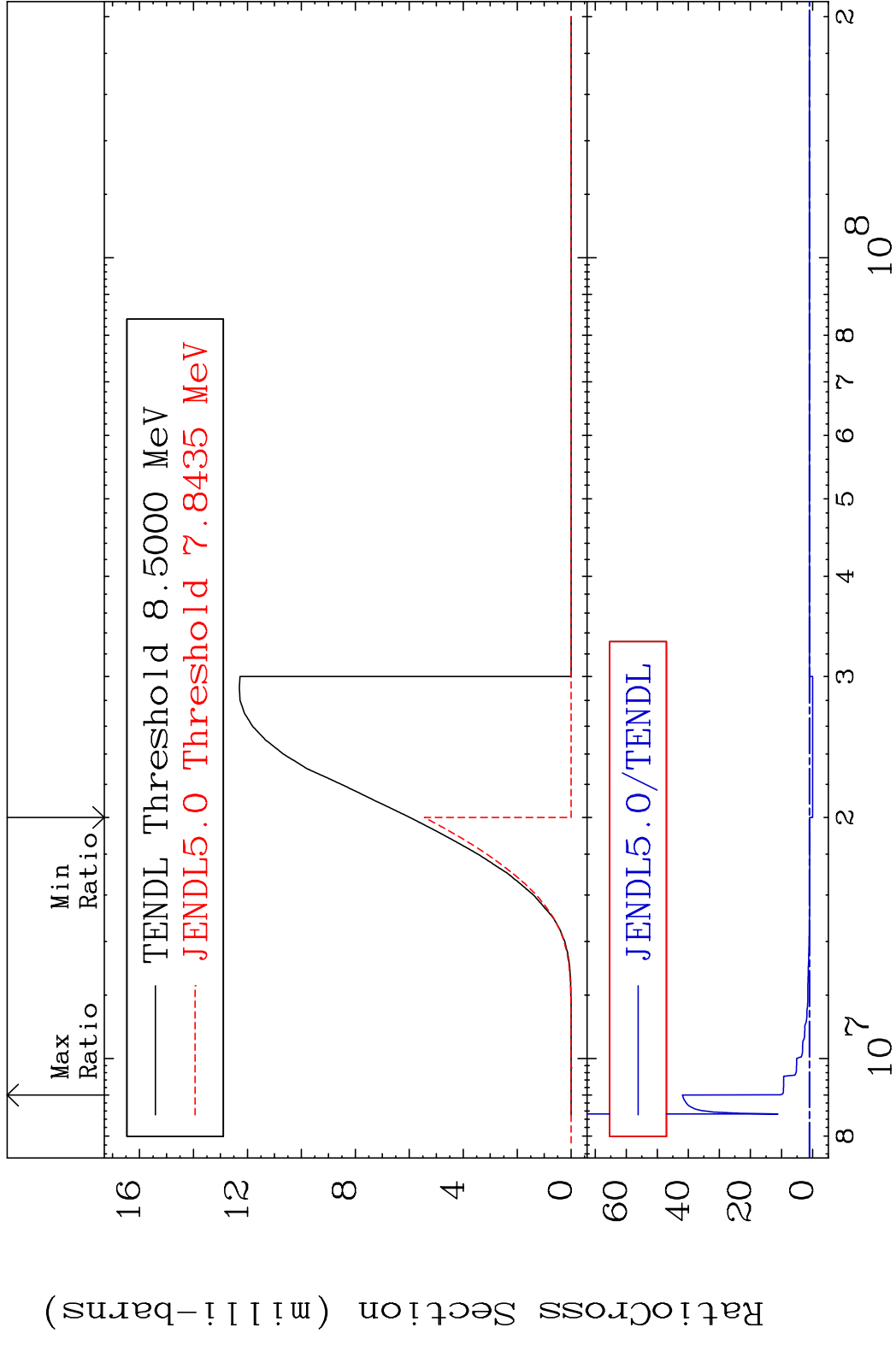
67 38-Sr-87



MAT 3834 (n,d):37-Rb-86g 38-Sr-87  
 Radionuclide Production Cross Section Ratio 9999. %

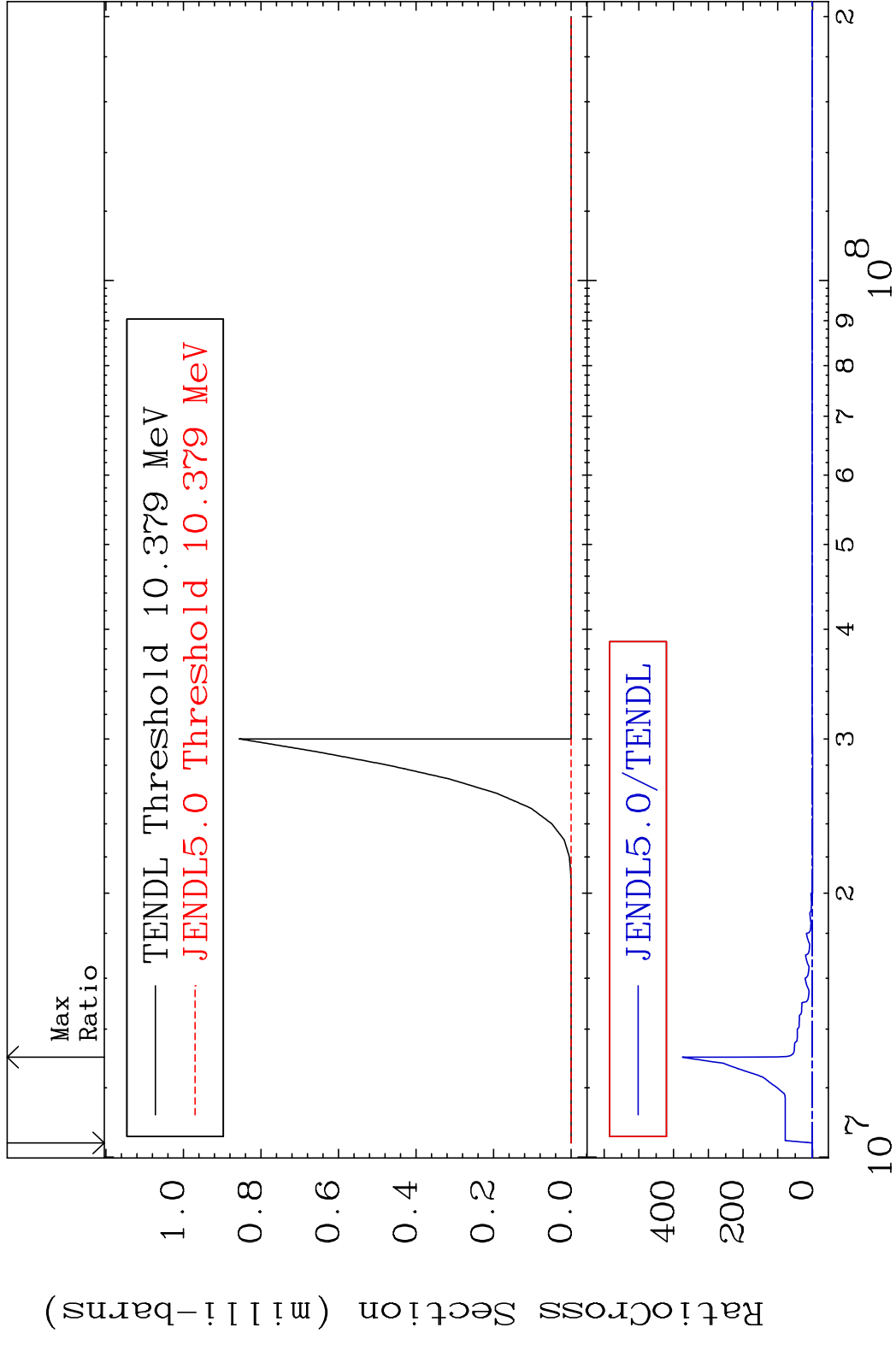


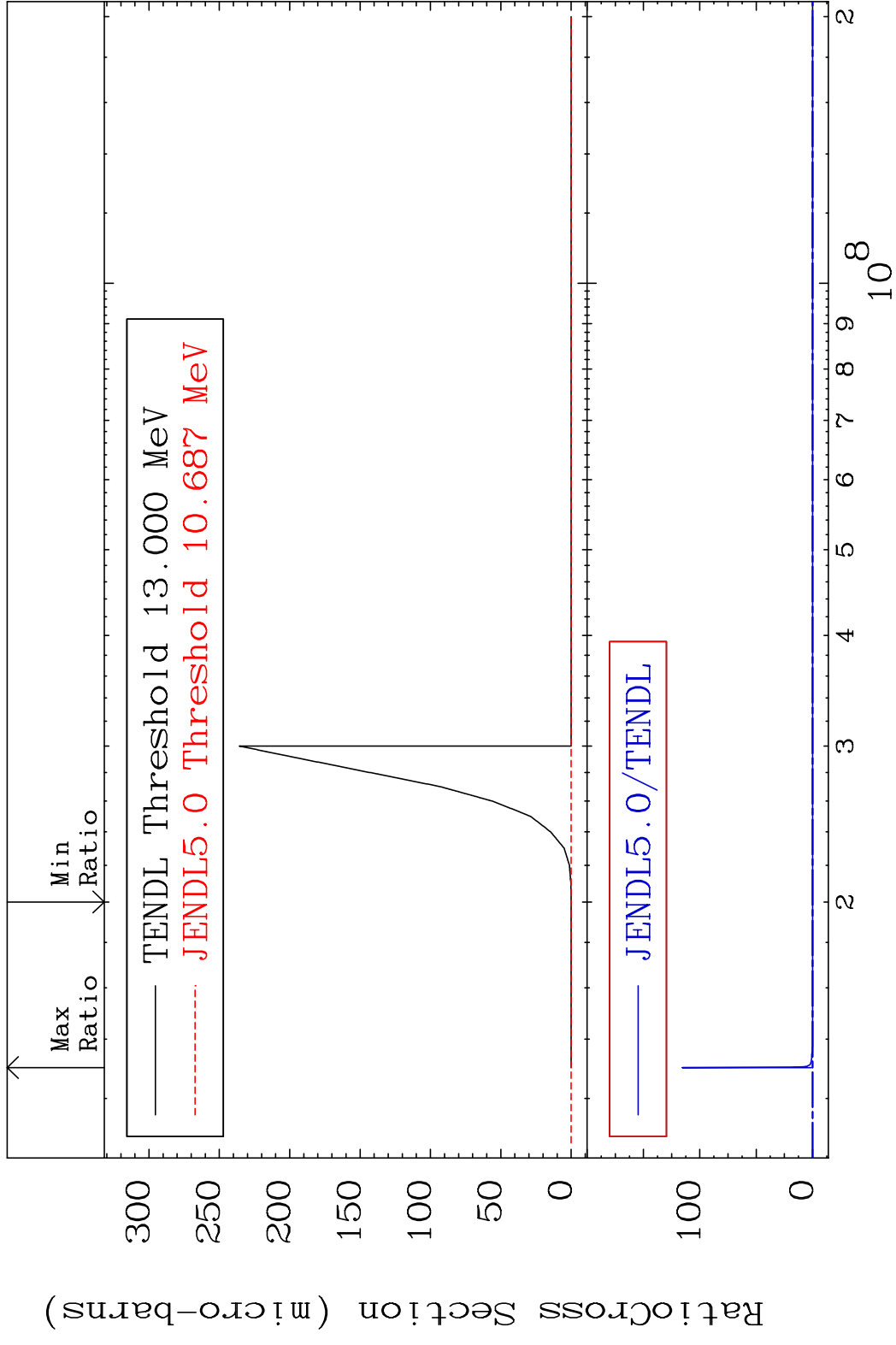
MAT 3834 (n, d):37-Rb-86m2 38-Sr-87  
 Radionuclide Production Cross Section Ratio 4093. %



70 Incident Energy (eV) 38-Sr-87

MAT 3834 (n, He-3):36-Kr-85g 38-Sr-87  
 Radionuclide Production Cross Section Ratio



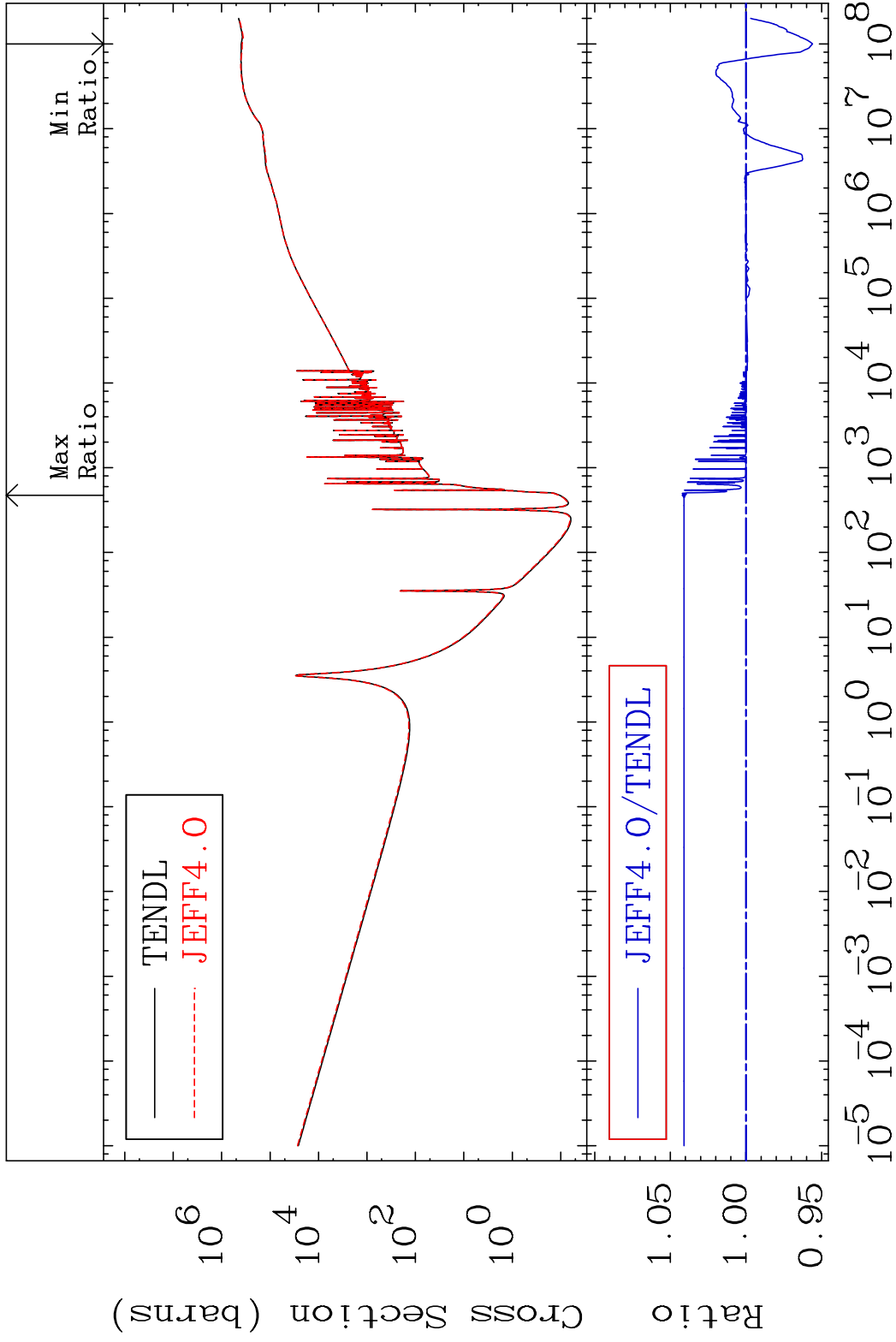


MAT 3834

Dpa total (eV-barns)

38-Sr-87

Cross Section -4.396 To 4.218 %



73

Incident Energy (eV)

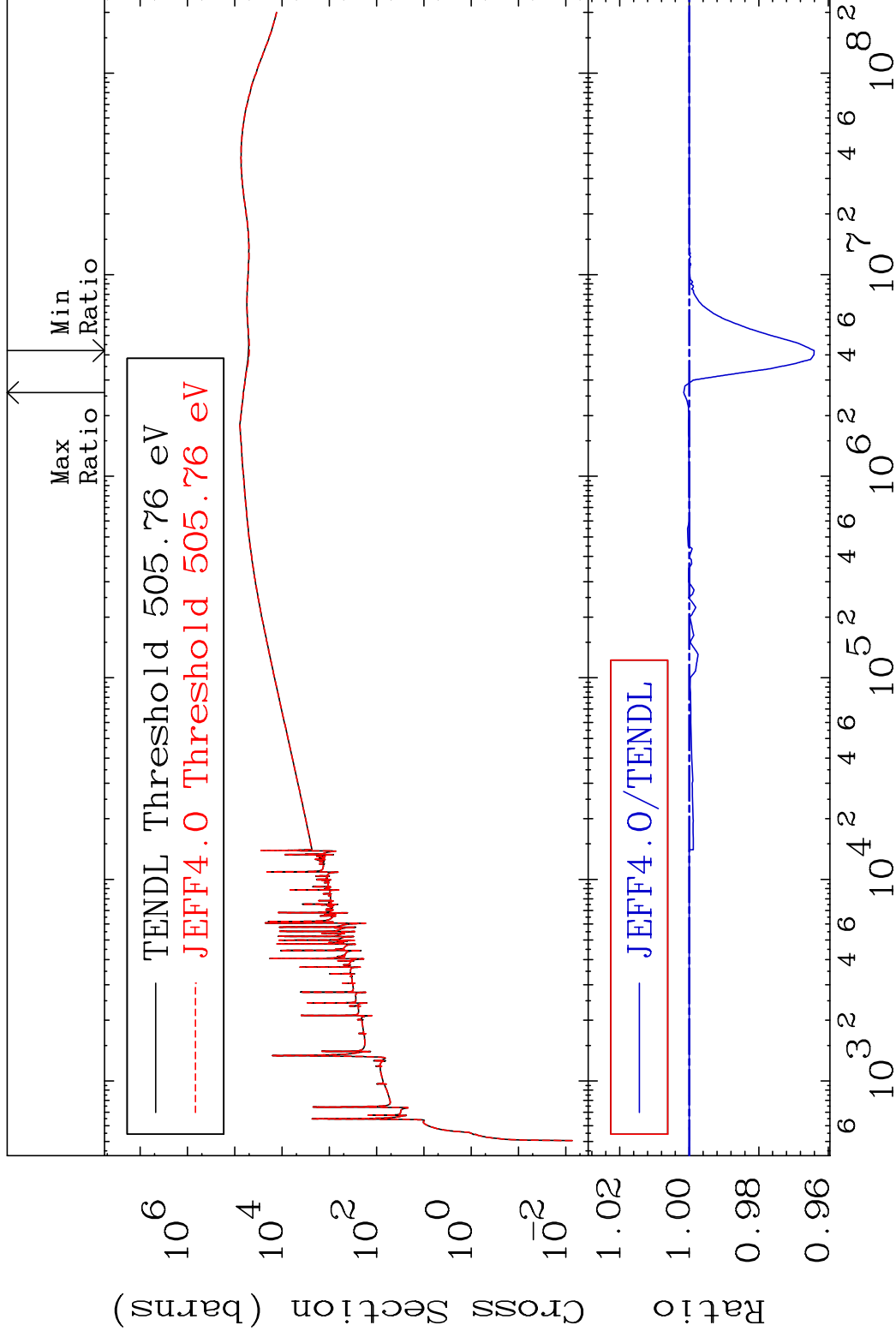
38-Sr-87

MAT 3834

Dpa elastic (mt2)

38-Sr-87

Cross Section -3.592 To 0.160 %

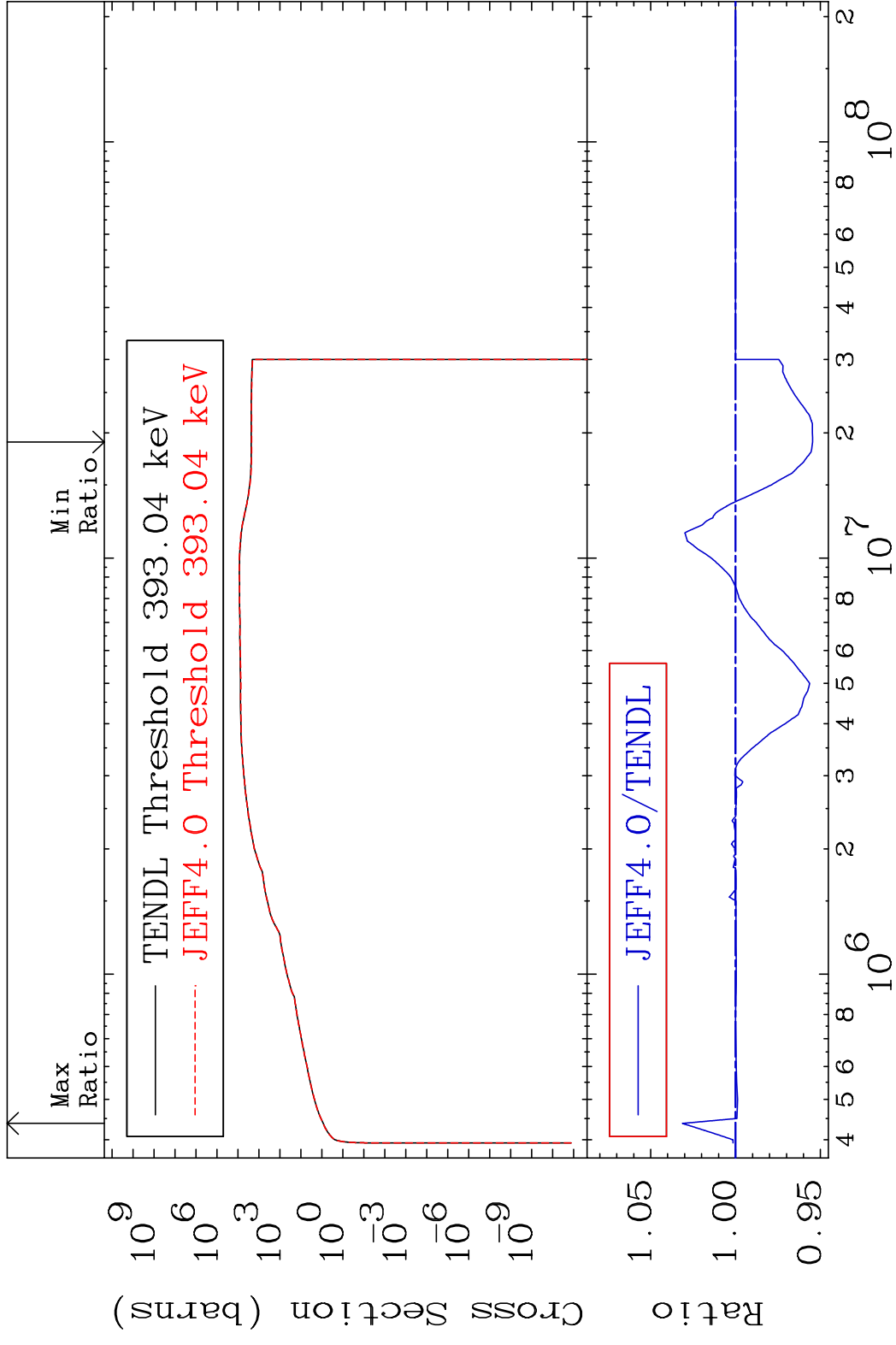


74

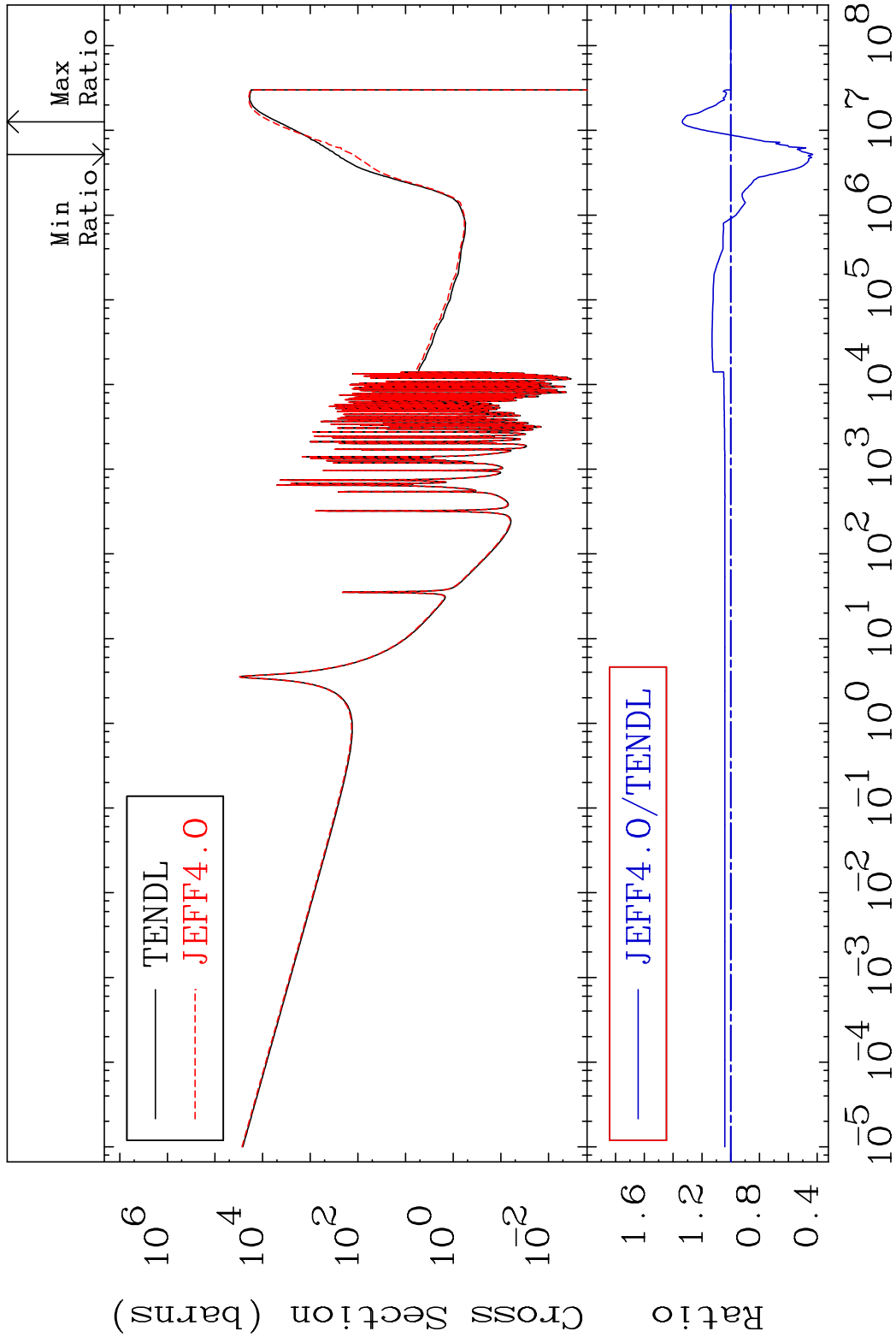
Incident Energy (eV)

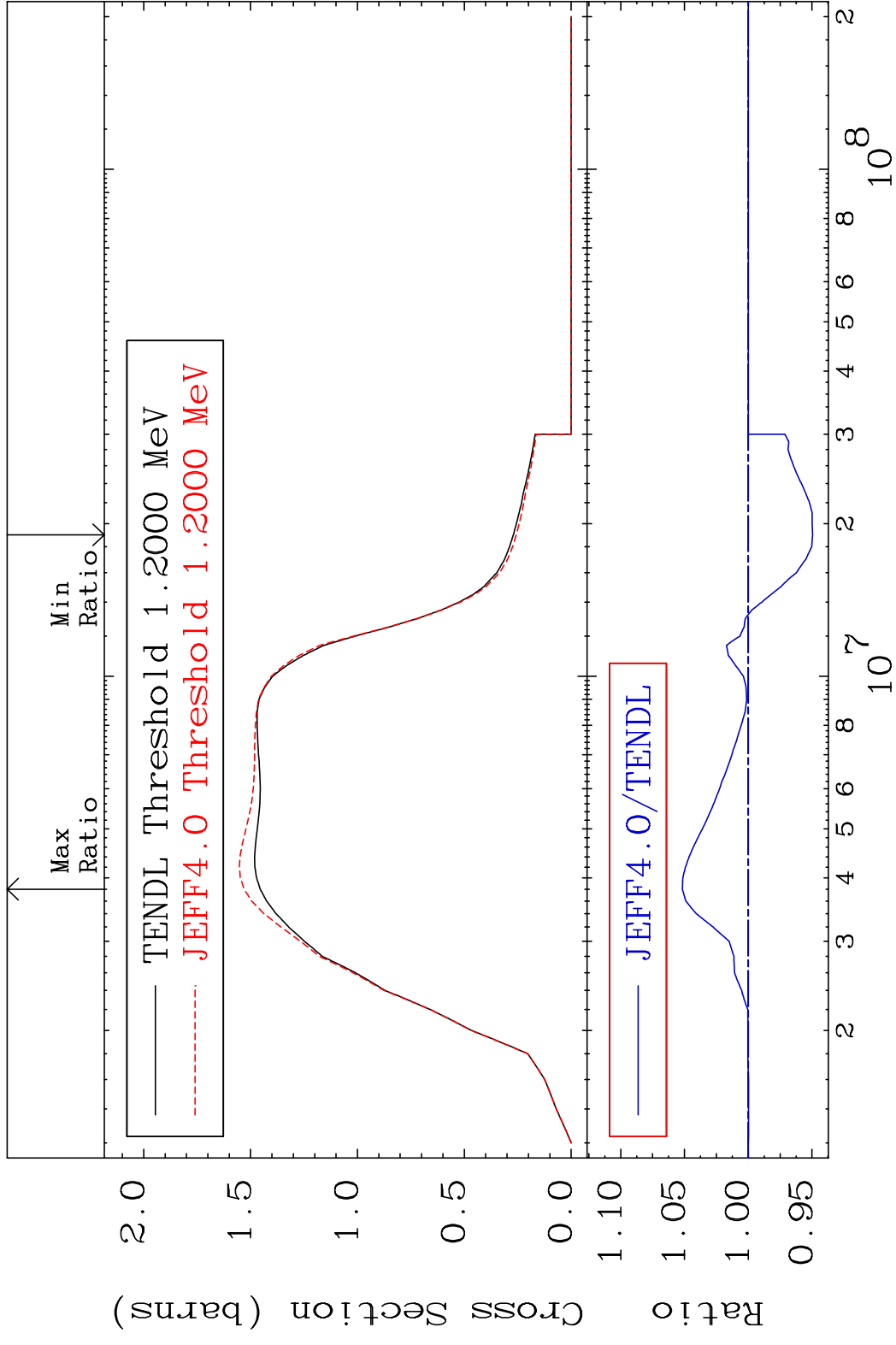
38-Sr-87

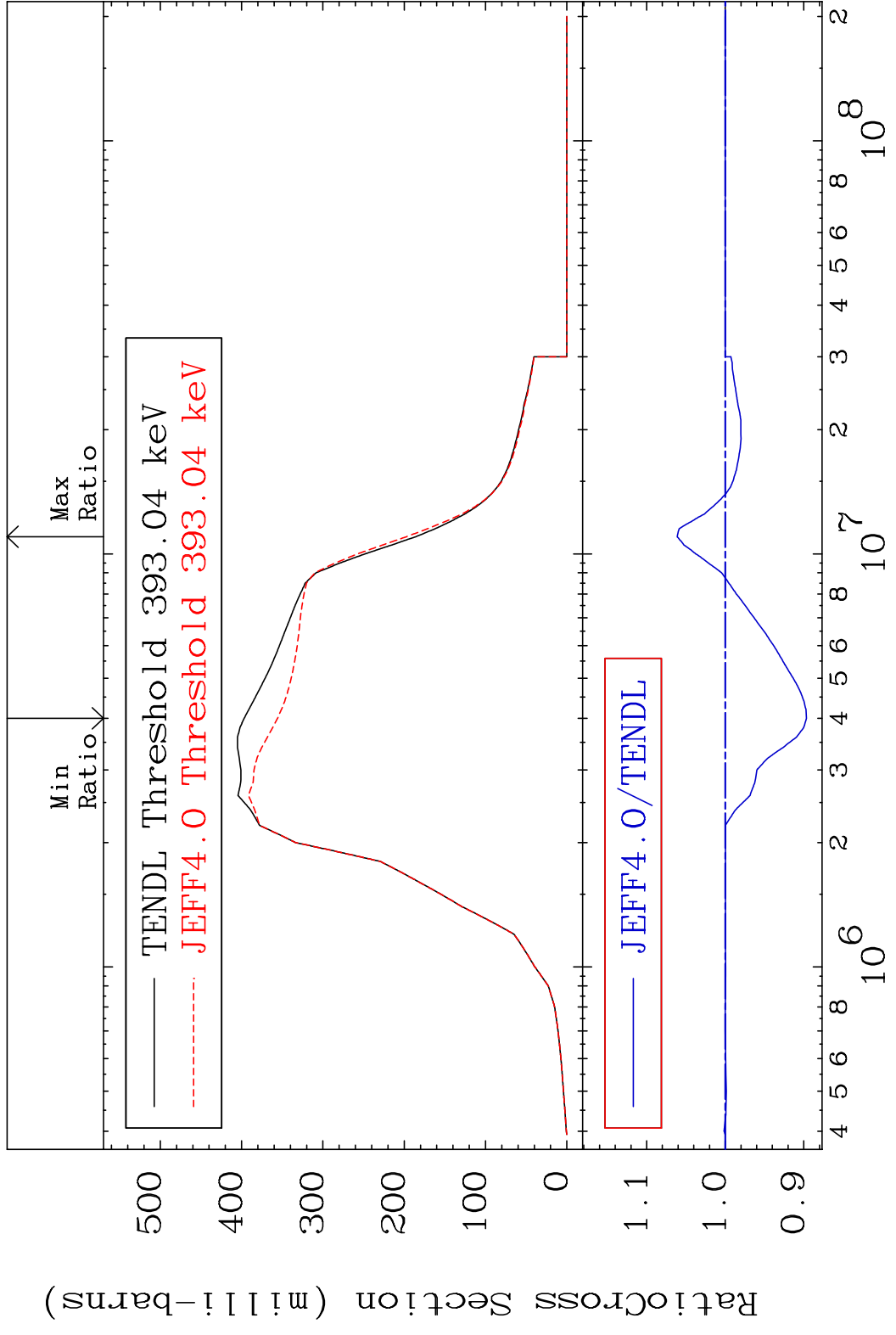
MAT 3834      Dpa inelastic (mt51-91)      38-Sr-87  
 Cross Section      -4.535 To 3.135 %



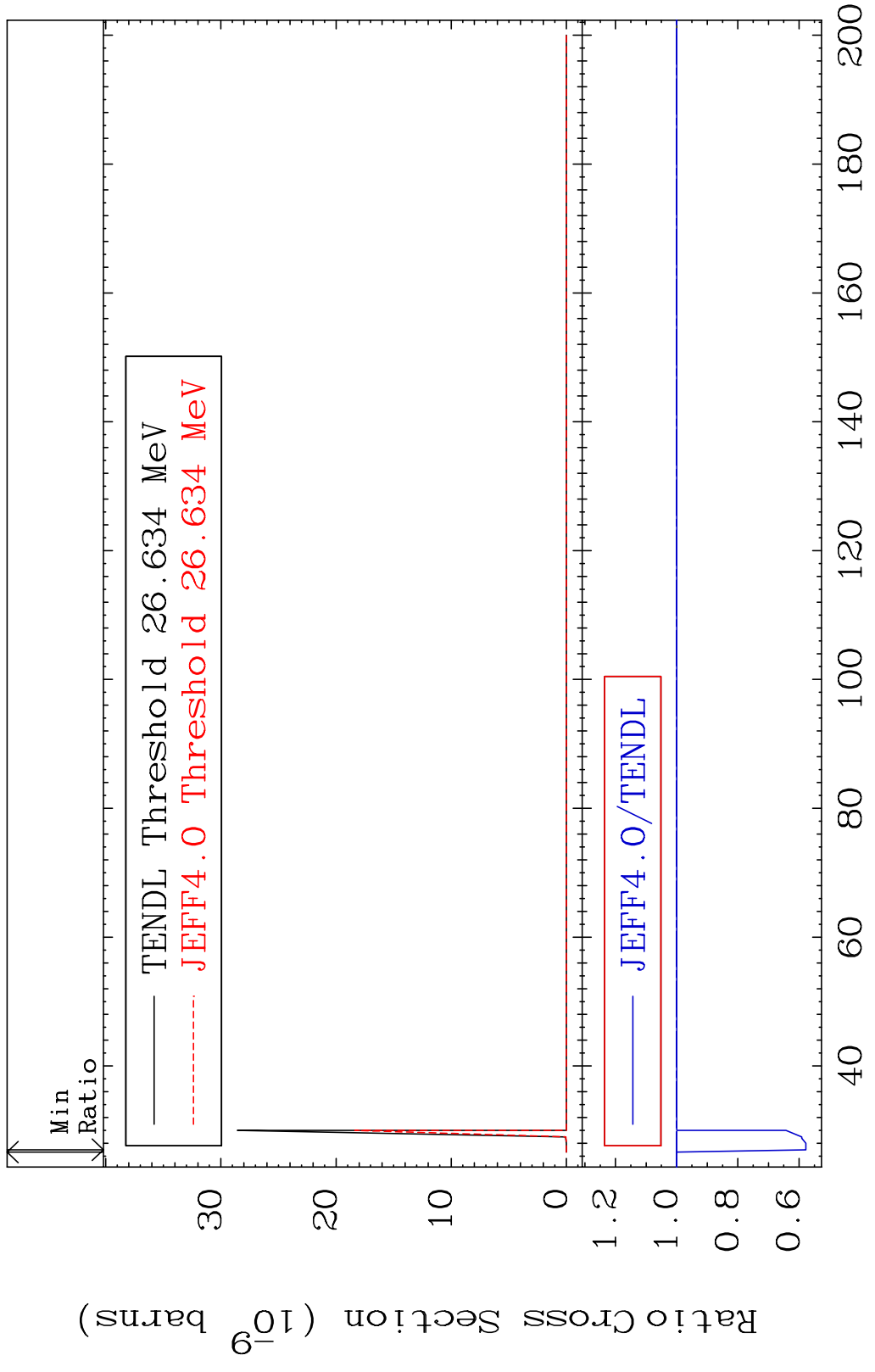
MAT 3834 Dpa disappearance (mt102 -120) 38-Sr-87  
 Cross Section -56.77 To 33.60 %



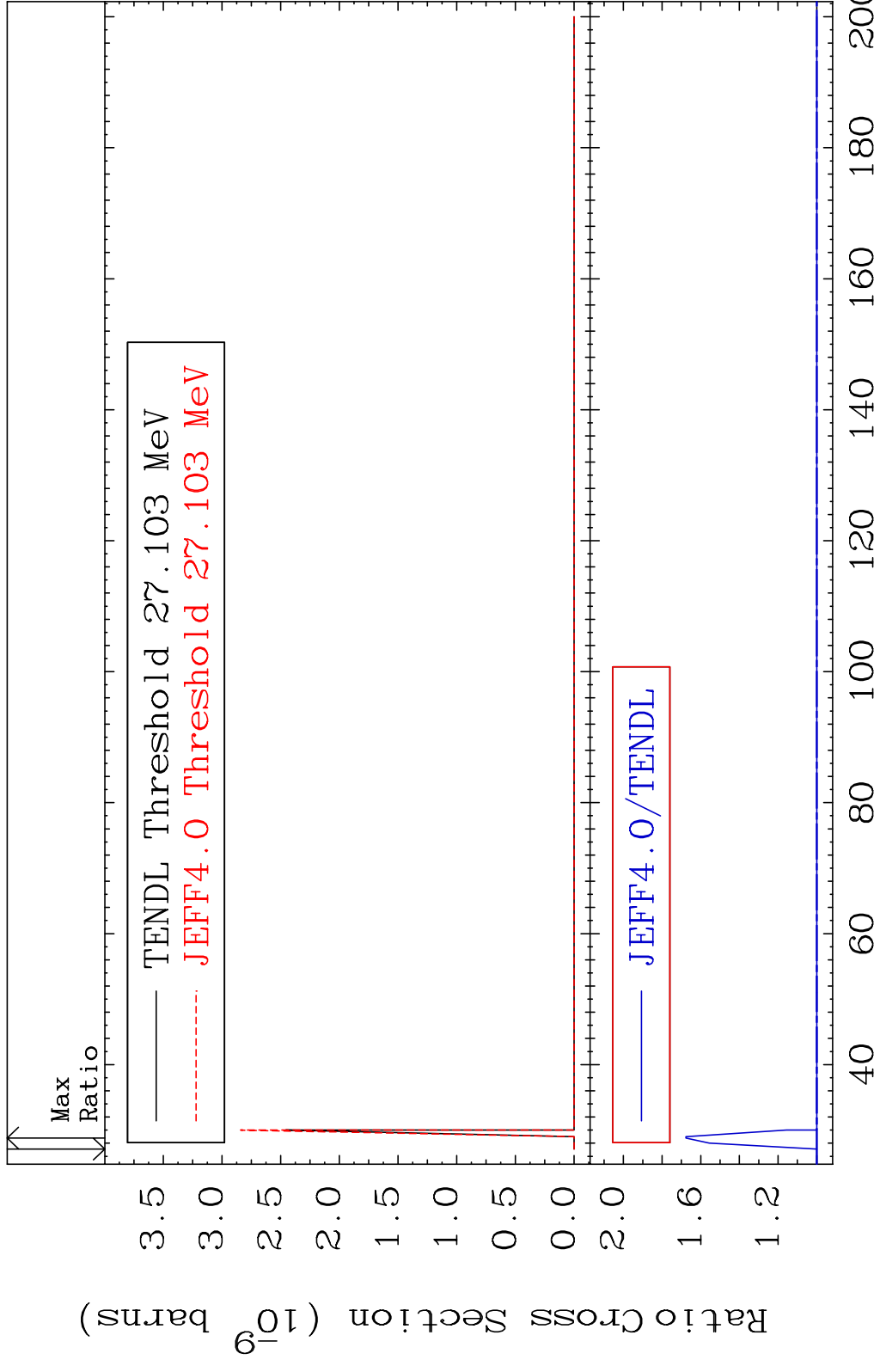




MAT 3834 (n,2n) d:37-Rb-84g 38-Sr-87  
 Radionuclide Production Cross Section 42.211 dth 0.000 %

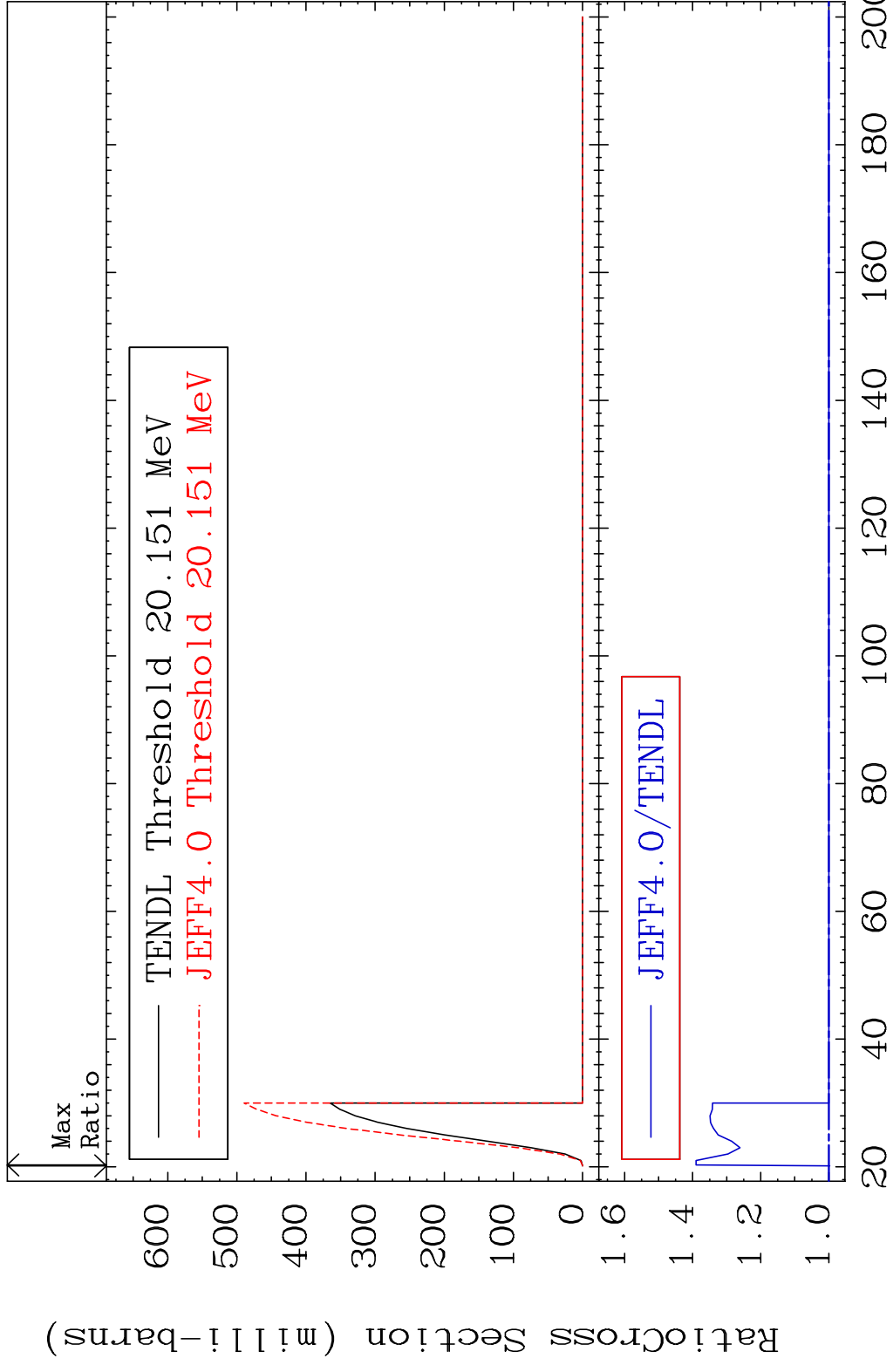


MAT 3834 (n,2n) d:37-Rb-84m2 38-Sr-87  
 Radionuclide Production Cross Section 67.68 %

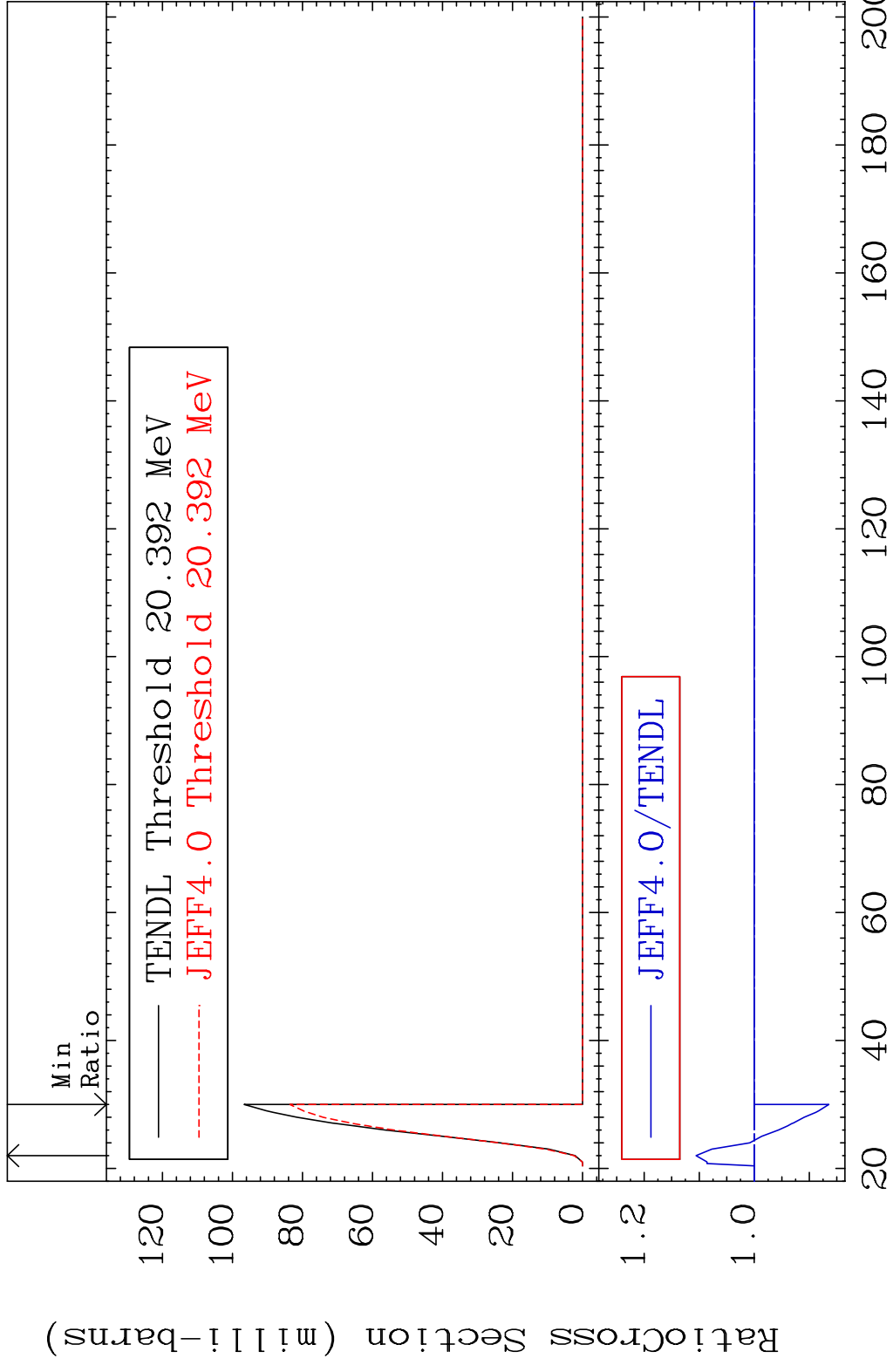


80 Incident Energy (MeV) 38-Sr-87

MAT 3834 (n,3n):38-Sr-85g 38-Sr-87  
 Radionuclide Production Cross Section 39.01 %

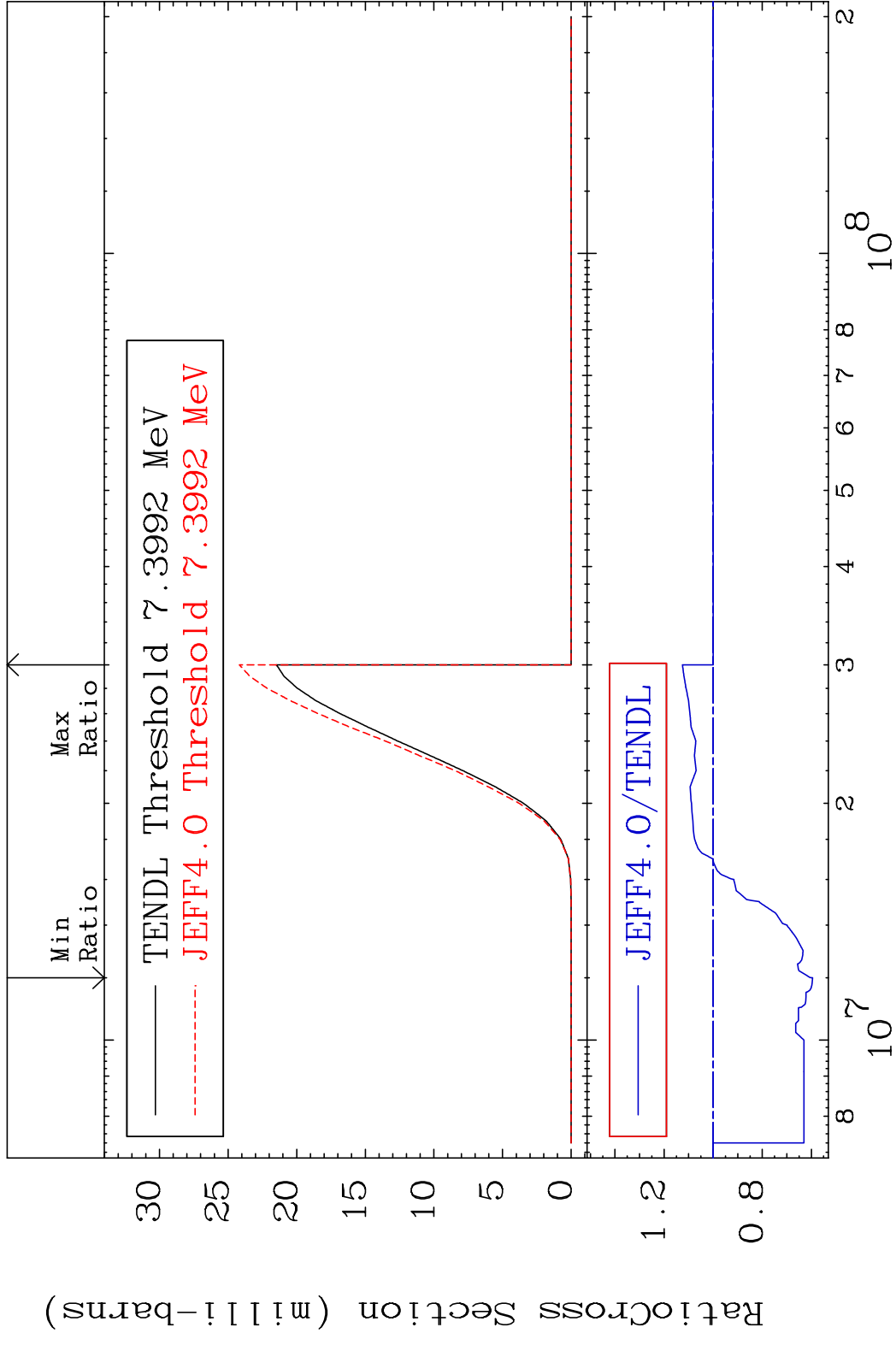


MAT 3834 (n,3n):38-Sr-85m2 38-Sr-87  
 Radionuclide Production Cross Section 10.58 %

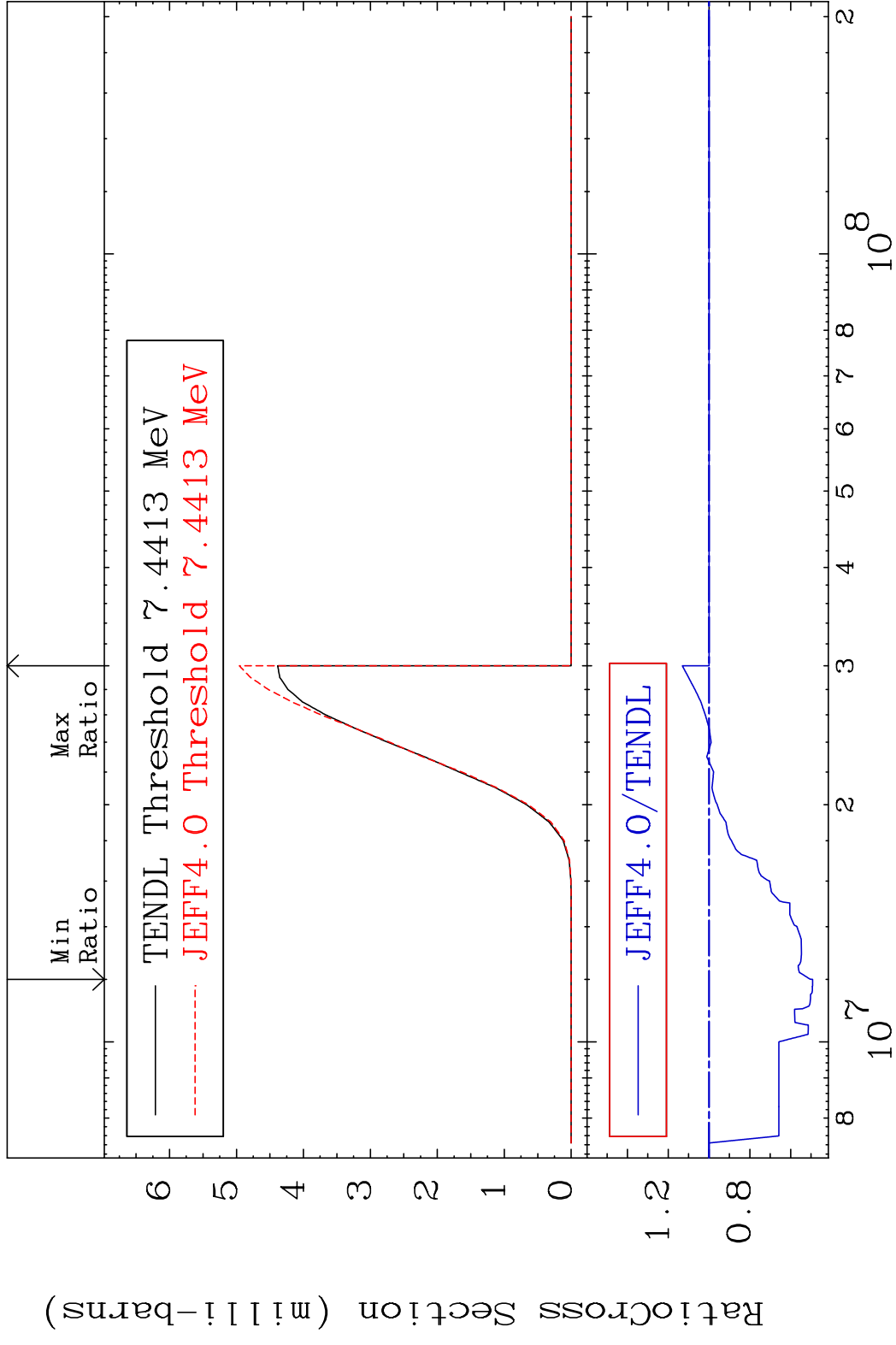


82 Incident Energy (MeV) 38-Sr-87

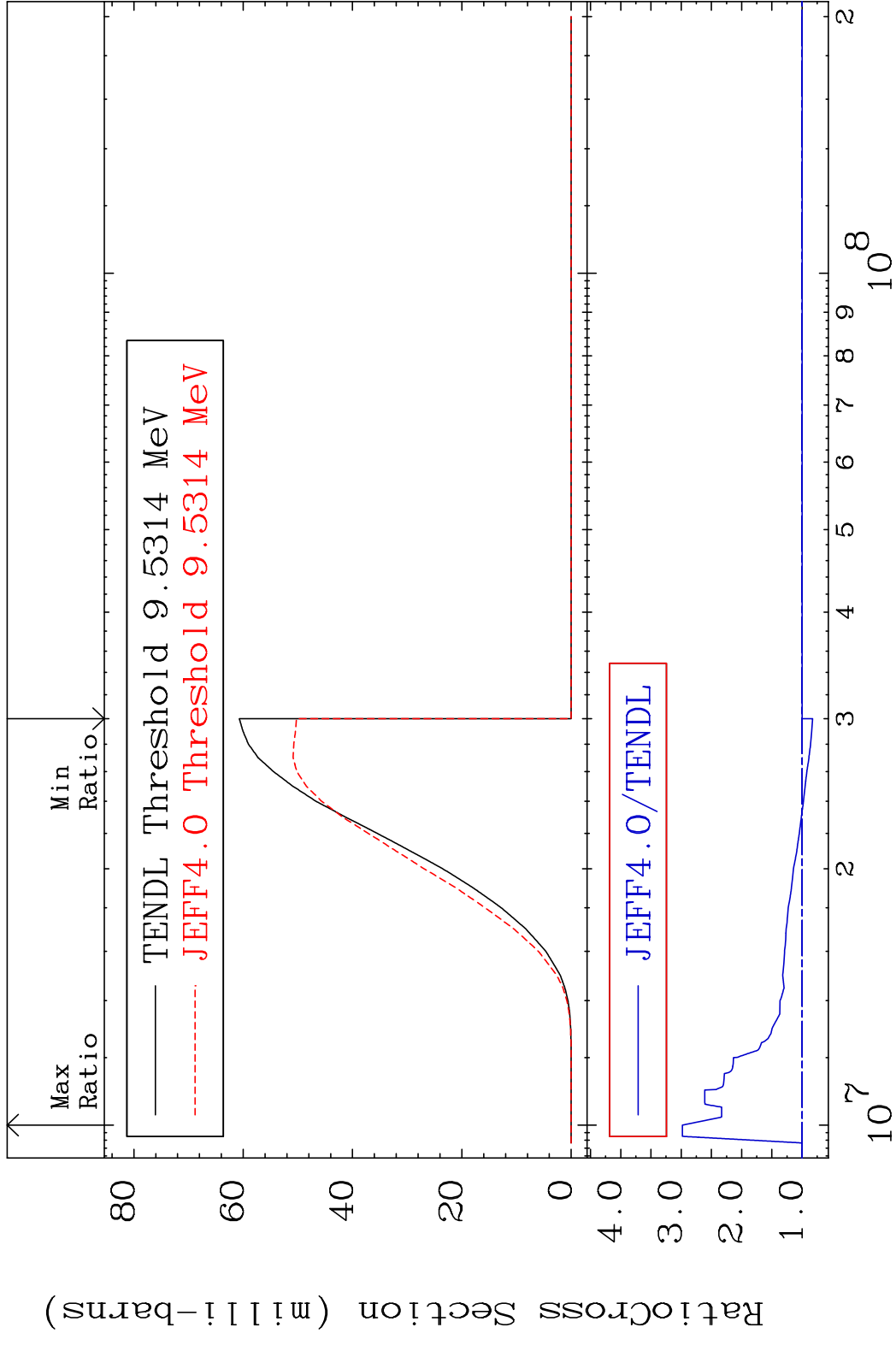
MAT 3834 (n, n')  $\alpha$ :36-Kr-83g 38-Sr-87  
 Radionuclide Production Cross Section 48e48/dto 12.56 %

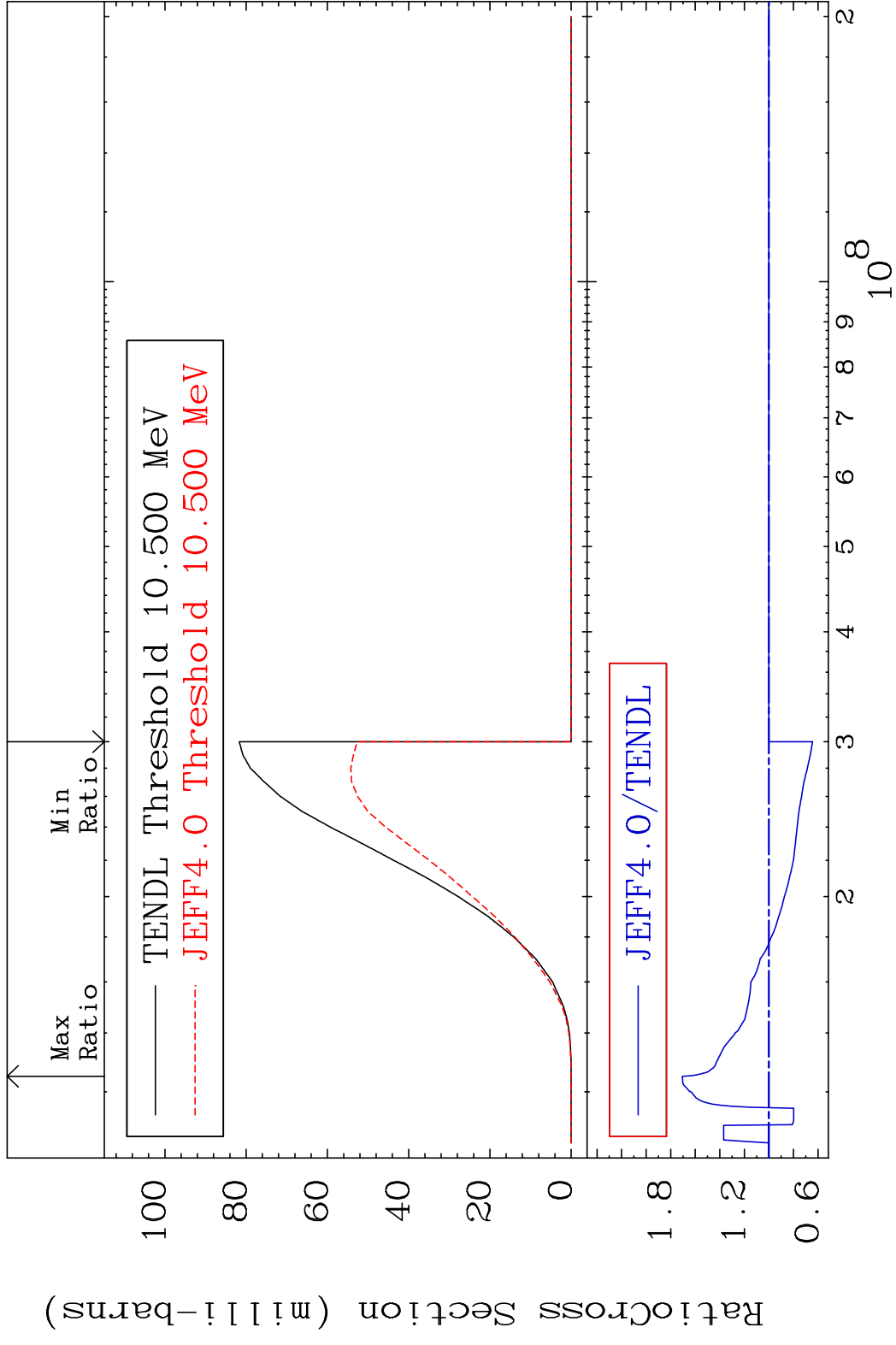


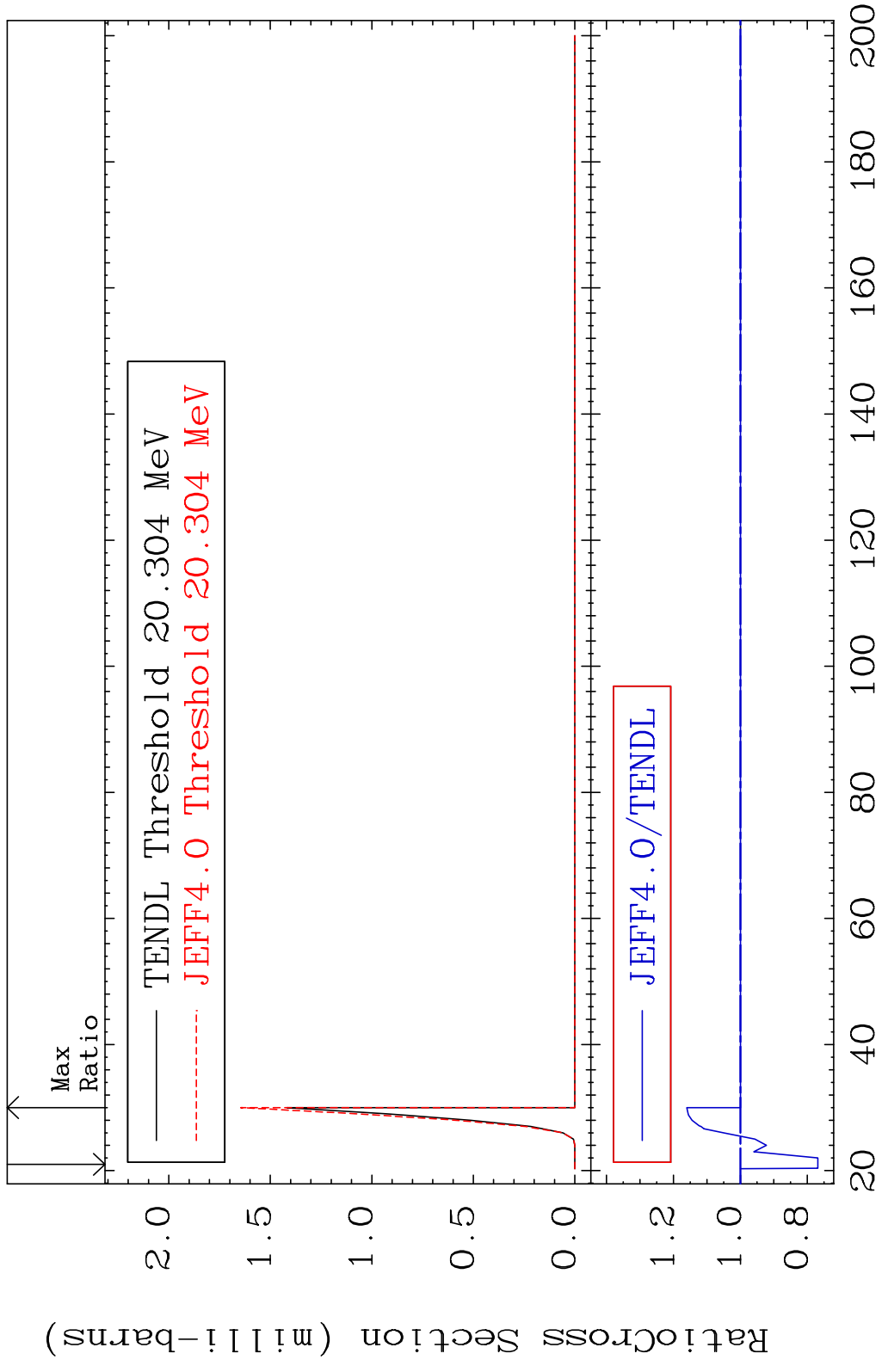
MAT 3834 (n, n')  $\alpha$ :36-Kr-83m2 38-Sr-87  
 Radionuclide Production Cross Section 58.76 mb 13.07 %



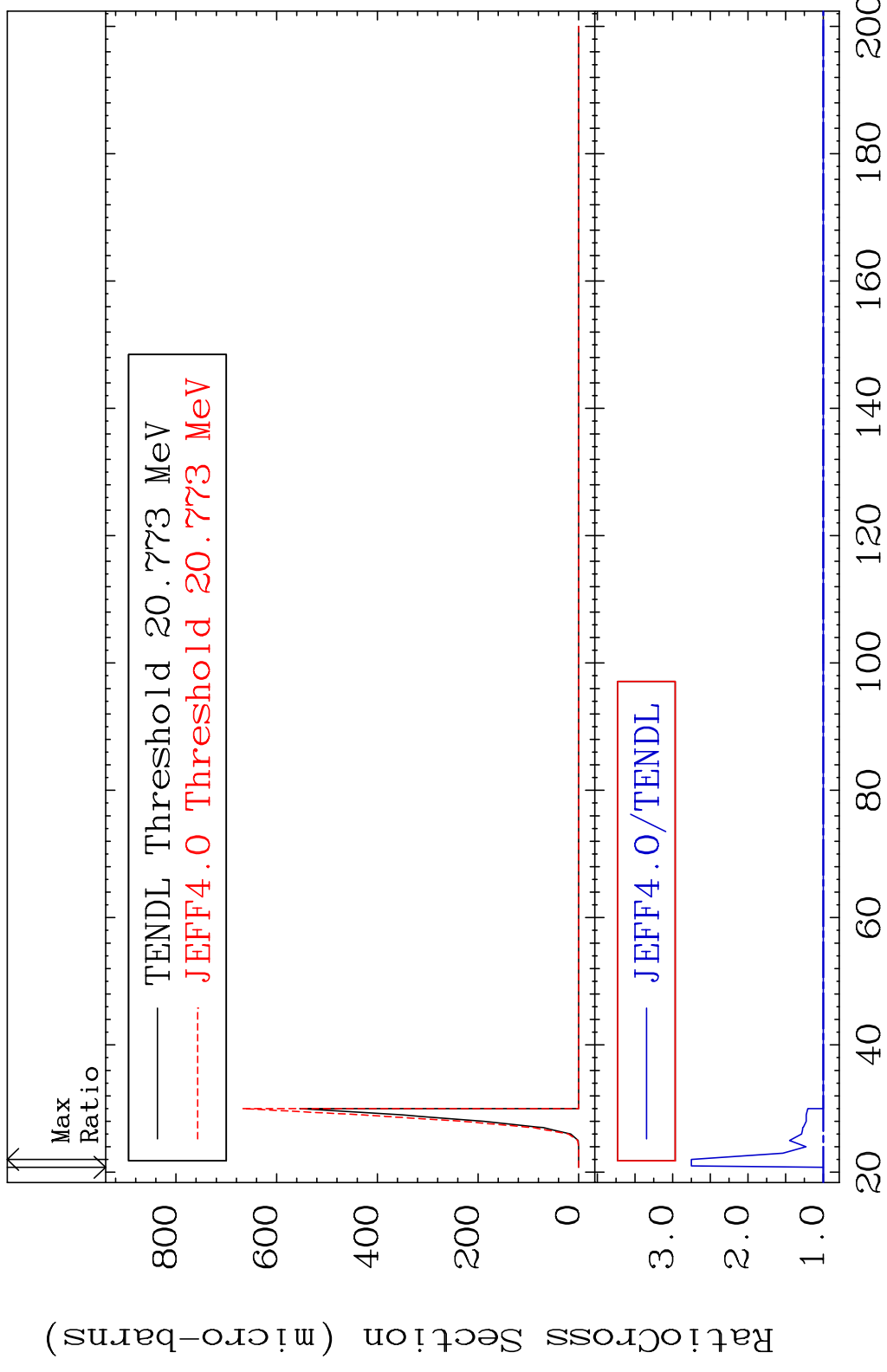
84 Incident Energy (eV) 38-Sr-87



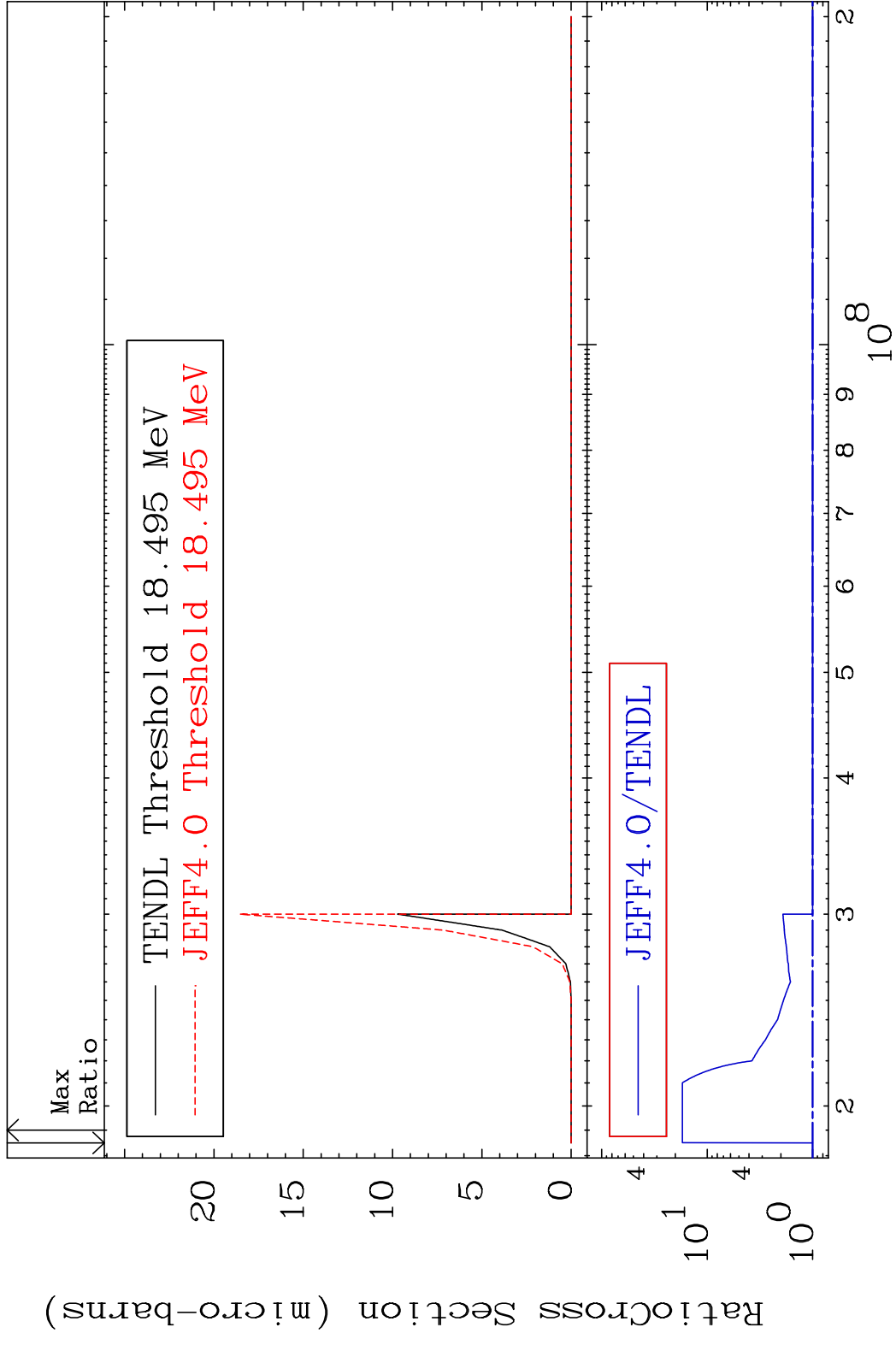


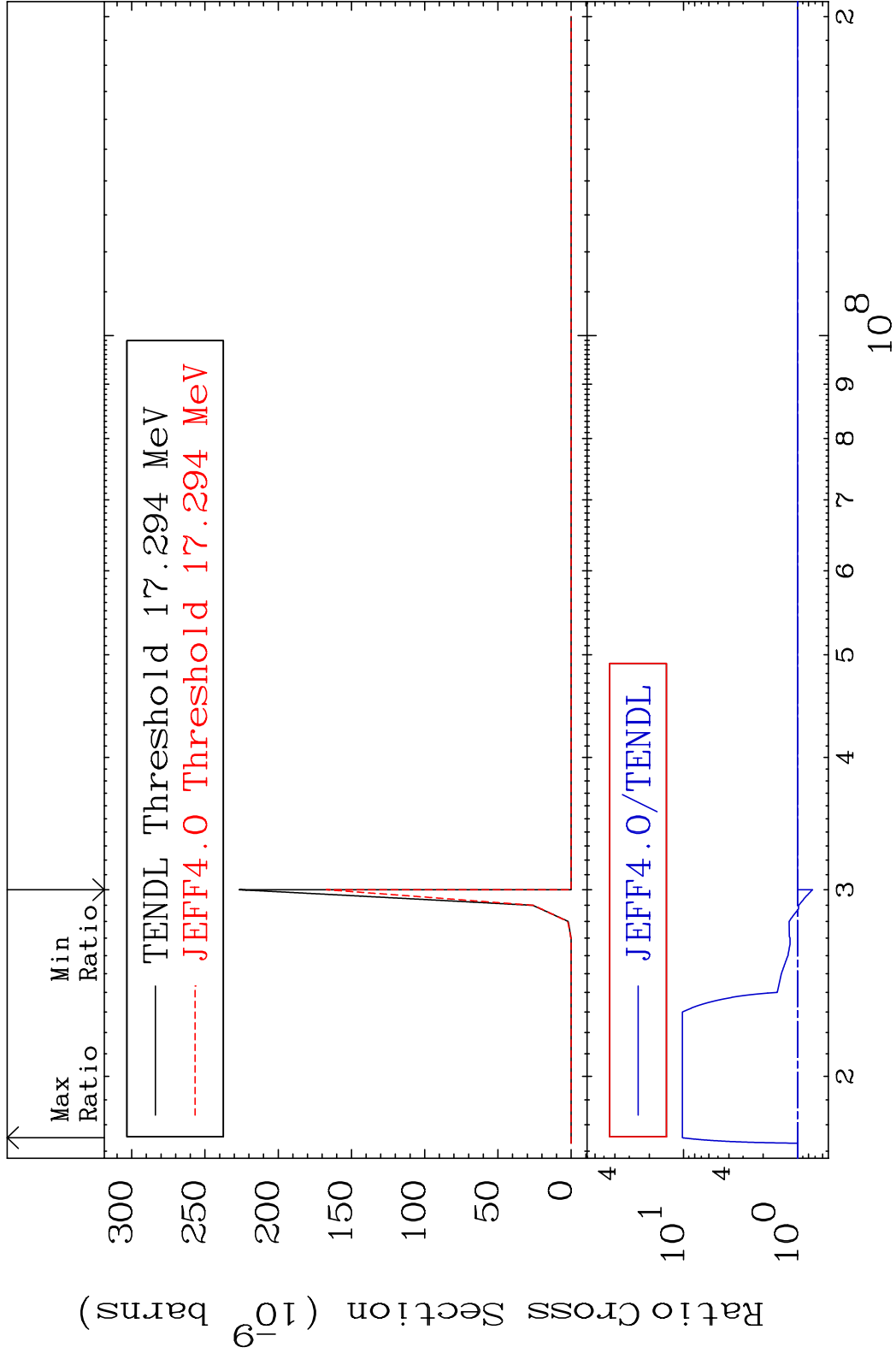


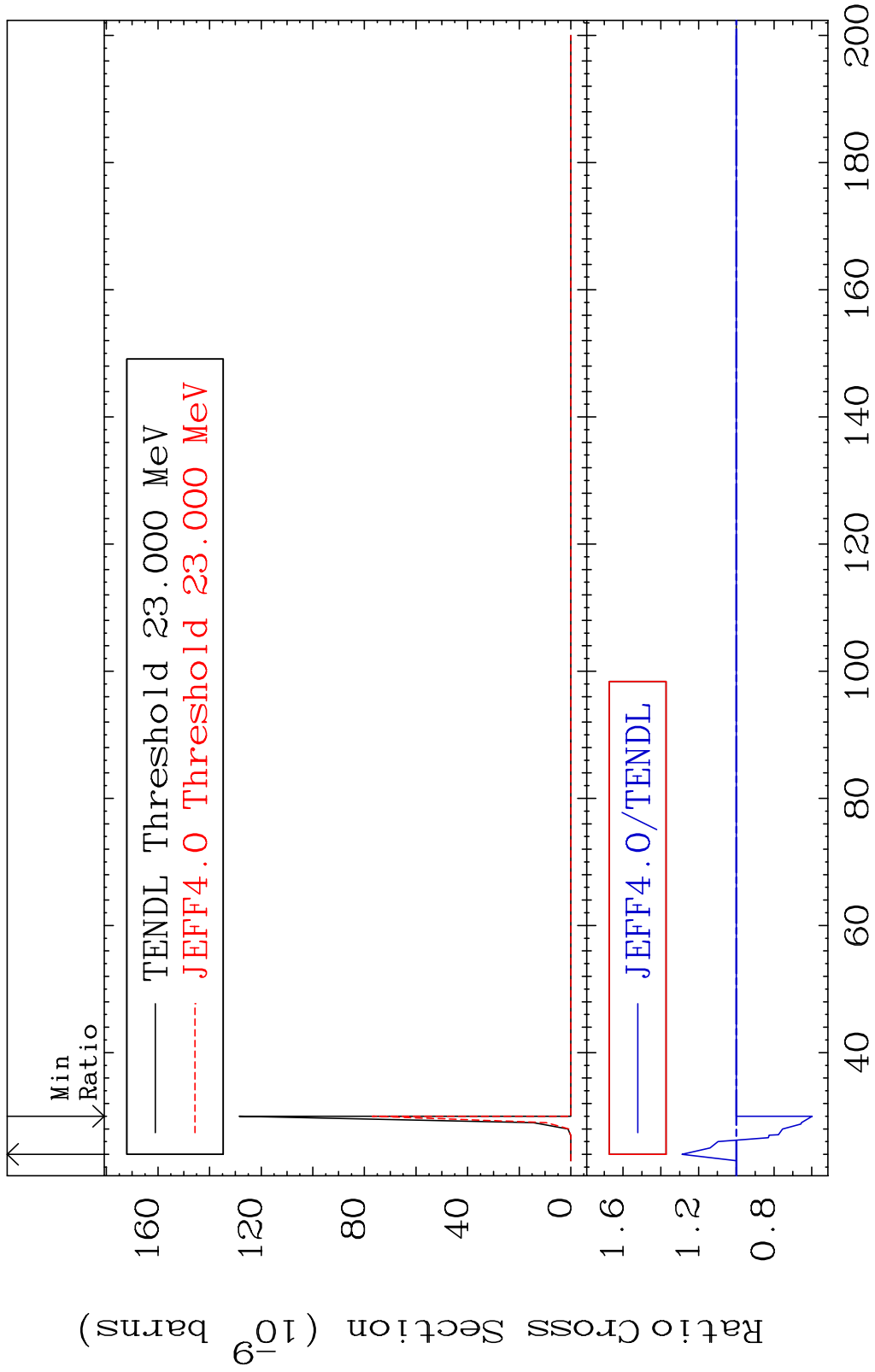
MAT 3834 (n, n') t:37-Rb-84m2 38-Sr-87  
 Radionuclide Production Cross Section 175.1 %

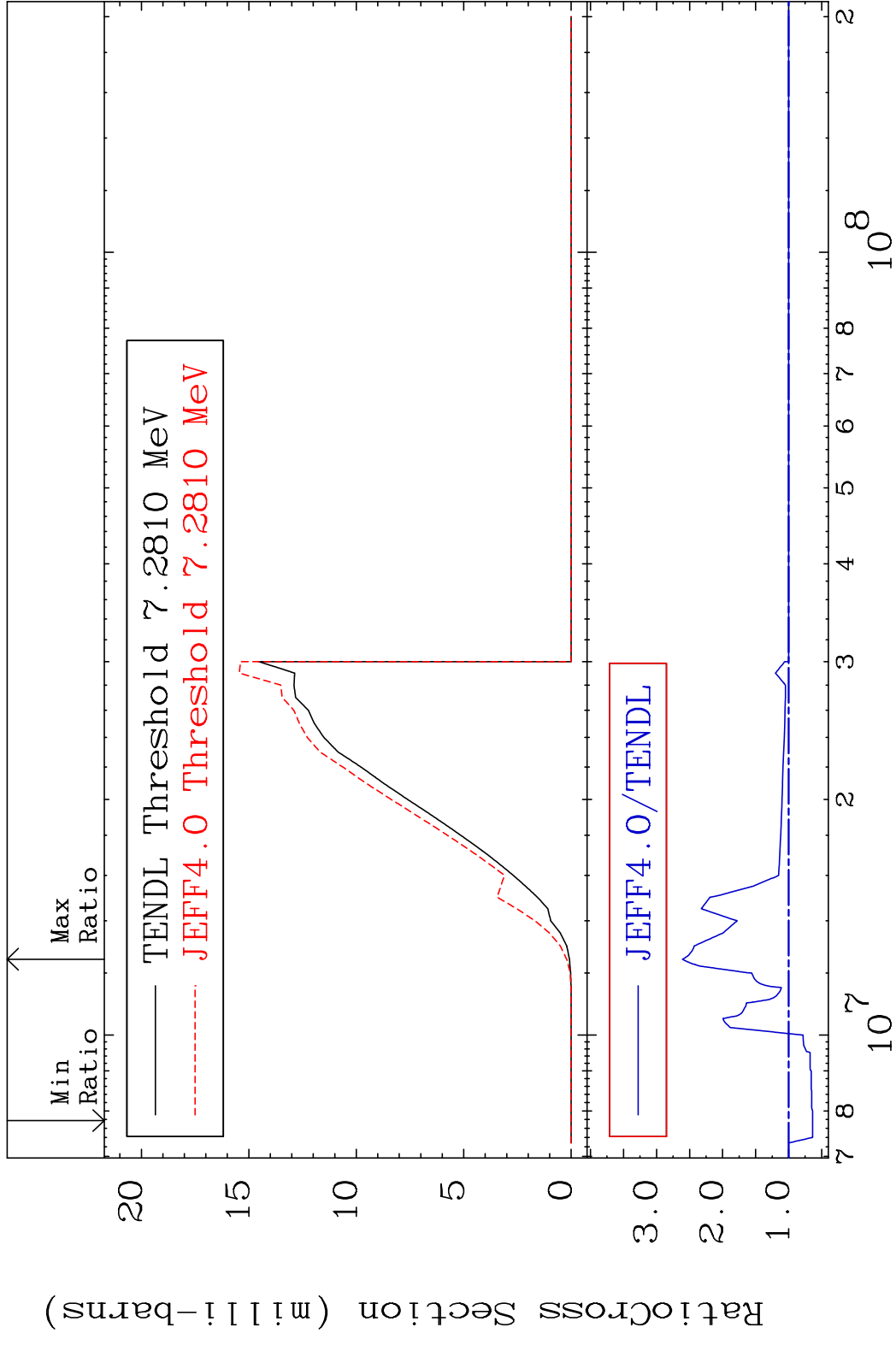




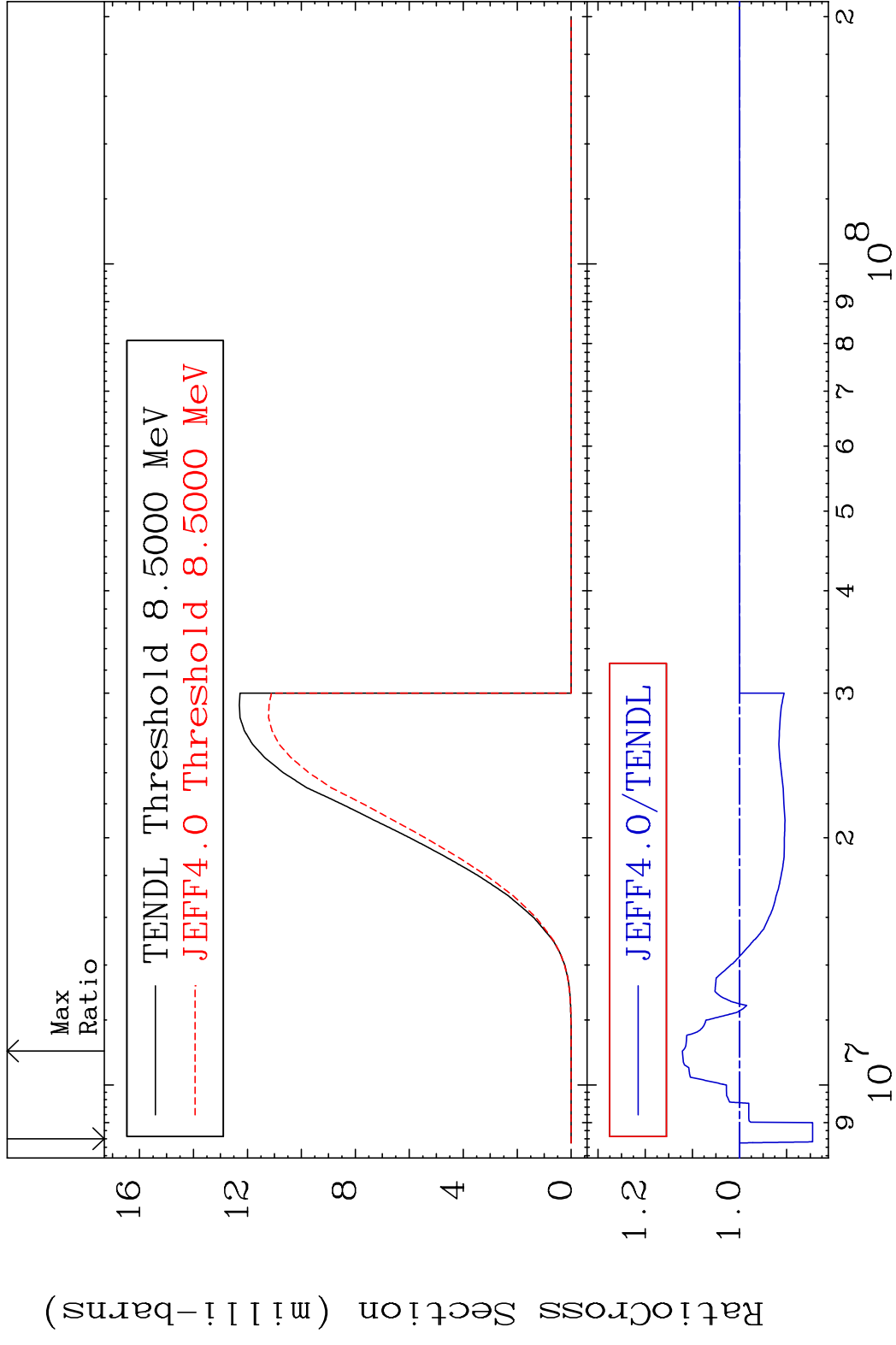




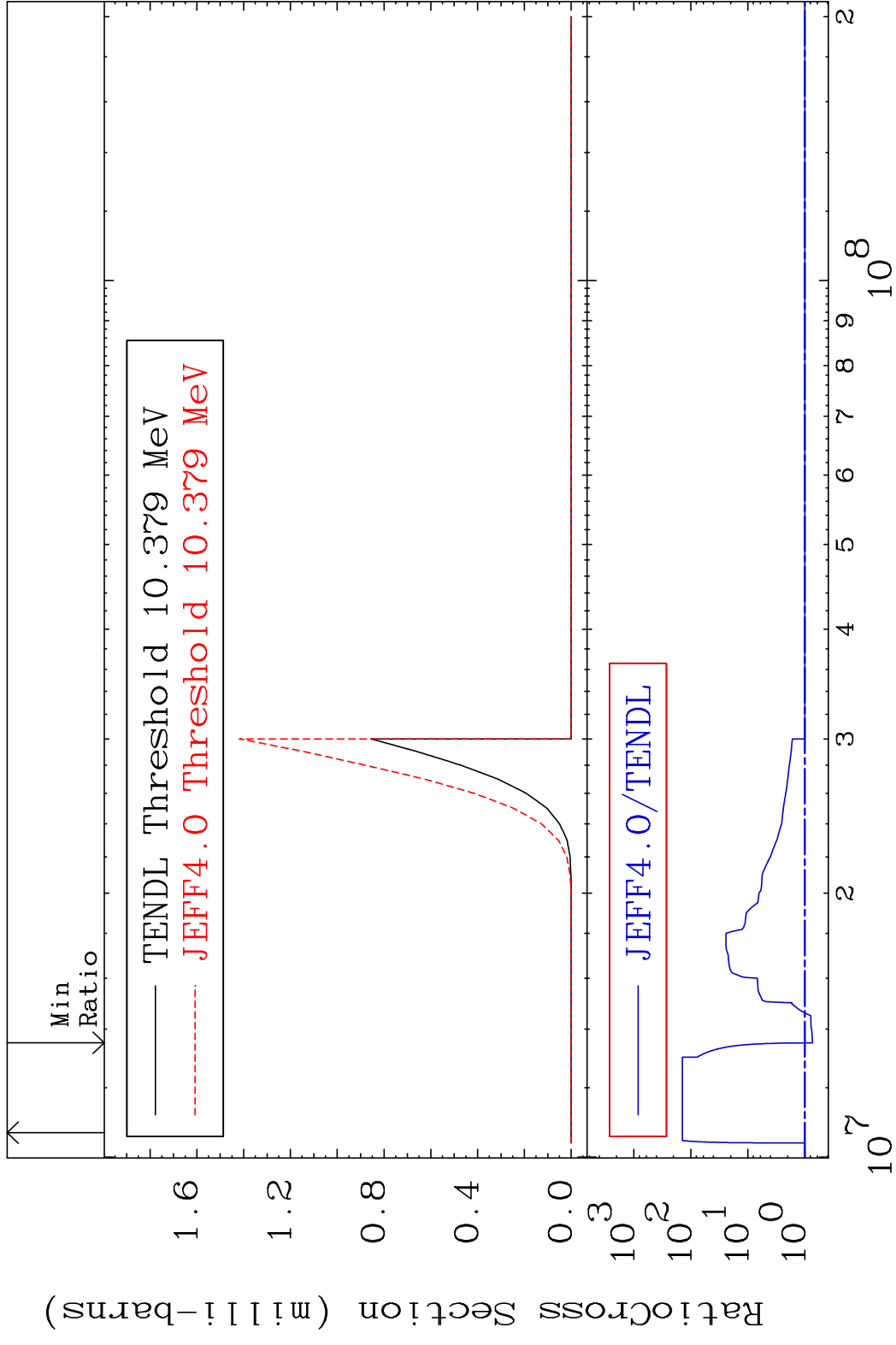


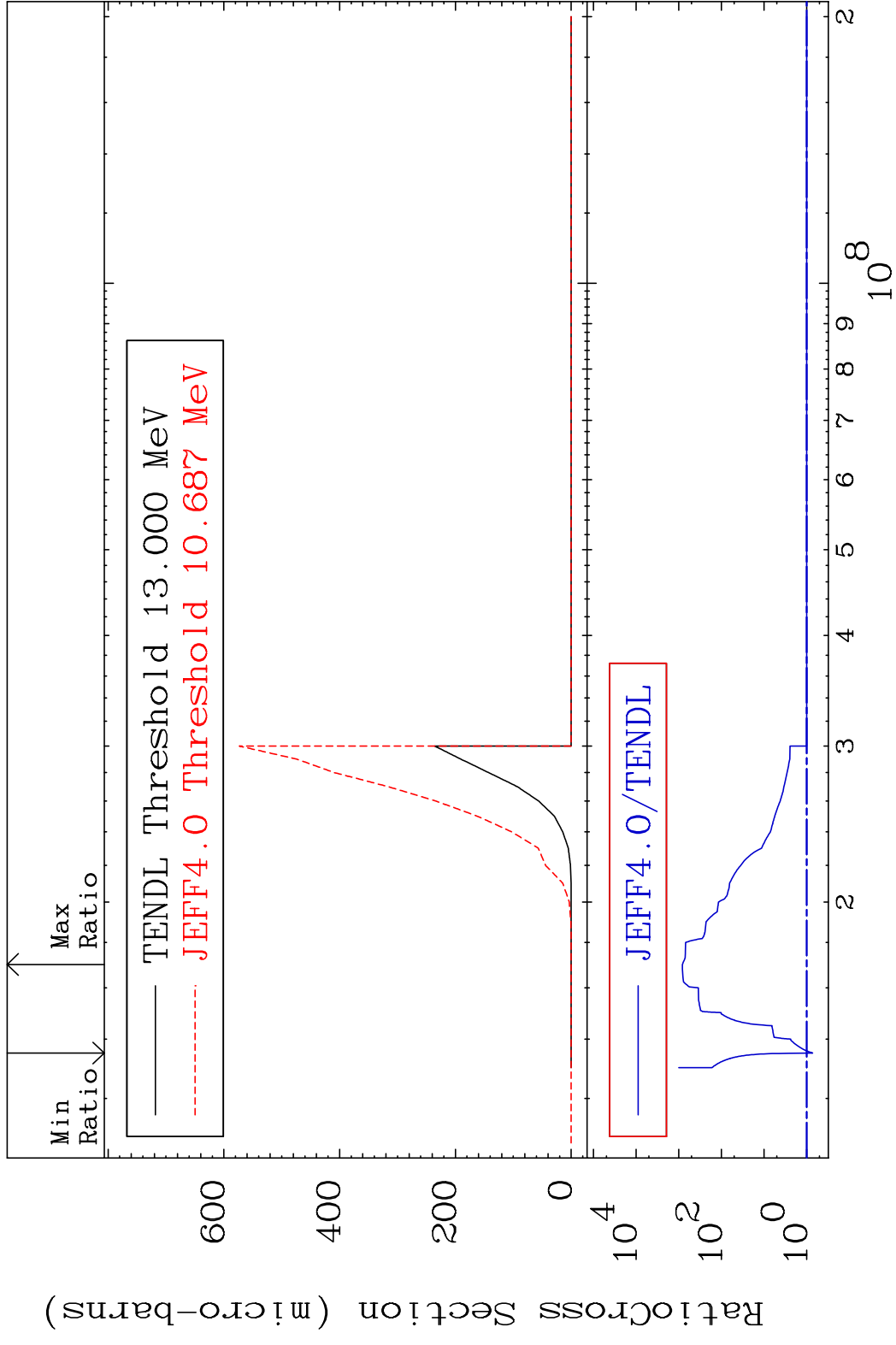


MAT 3834 (n, d):37-Rb-86m2 38-Sr-87  
 Radionuclide Production Cross Section 12.12 %



94 Incident Energy (eV) 38-Sr-87





MAT 3834 (n, p) d:36-Kr-85g 38-Sr-87  
 Radionuclide Production Cross Section 12.03 %

