

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

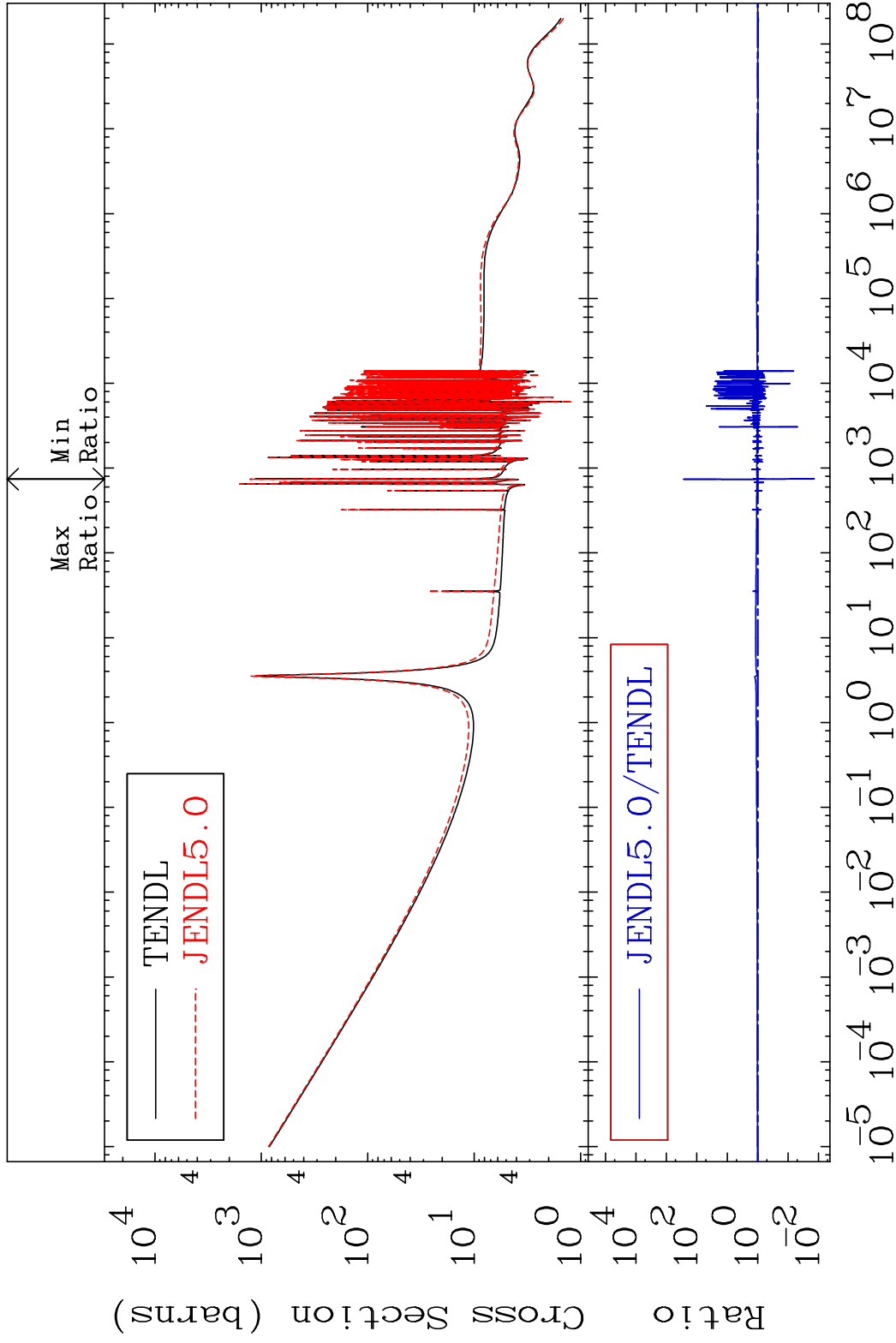
Press Mouse Button to Start

MAT 3834

Total

38-Sr-87

Cross Section -98.61 To 9999. %



1

Incident Energy (eV)

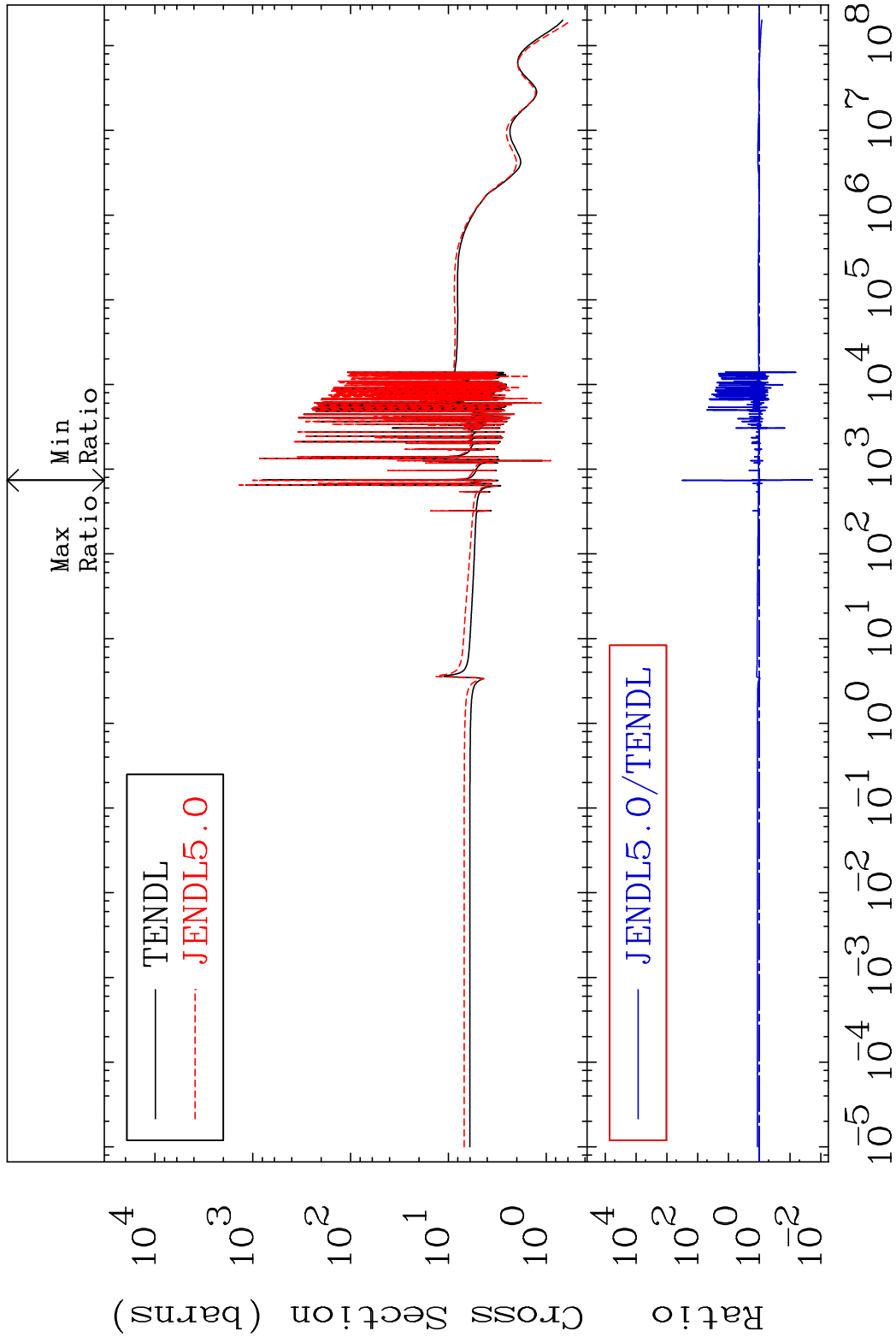
38-Sr-87

MAT 3834

Elastic

38-Sr-87

Cross Section -98.14 To 9999. %

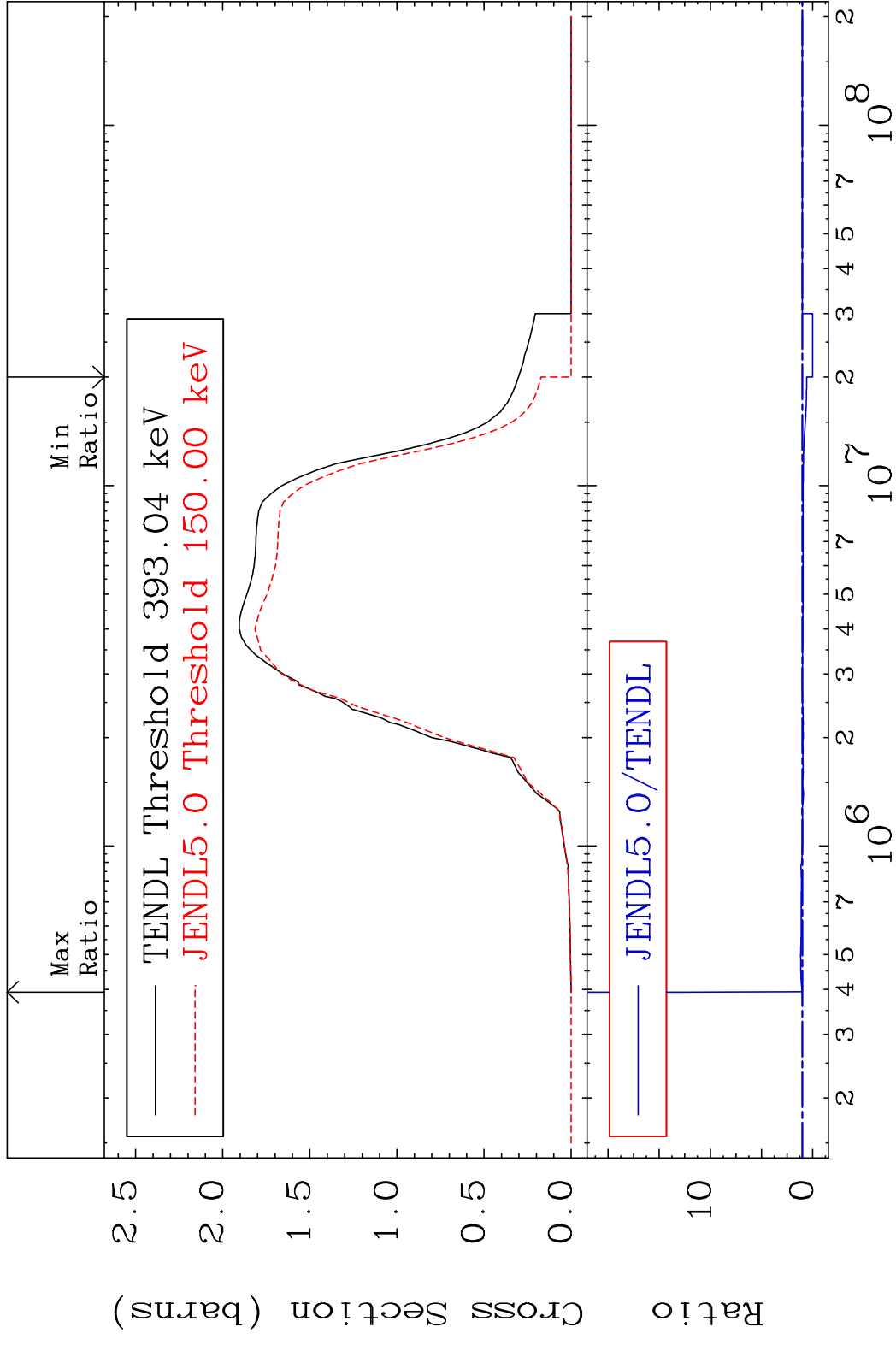


2

Incident Energy (eV)

38-Sr-87

MAT 3834 Inelastic Cross Section -100.0 To 1174. % 38-Sr-87

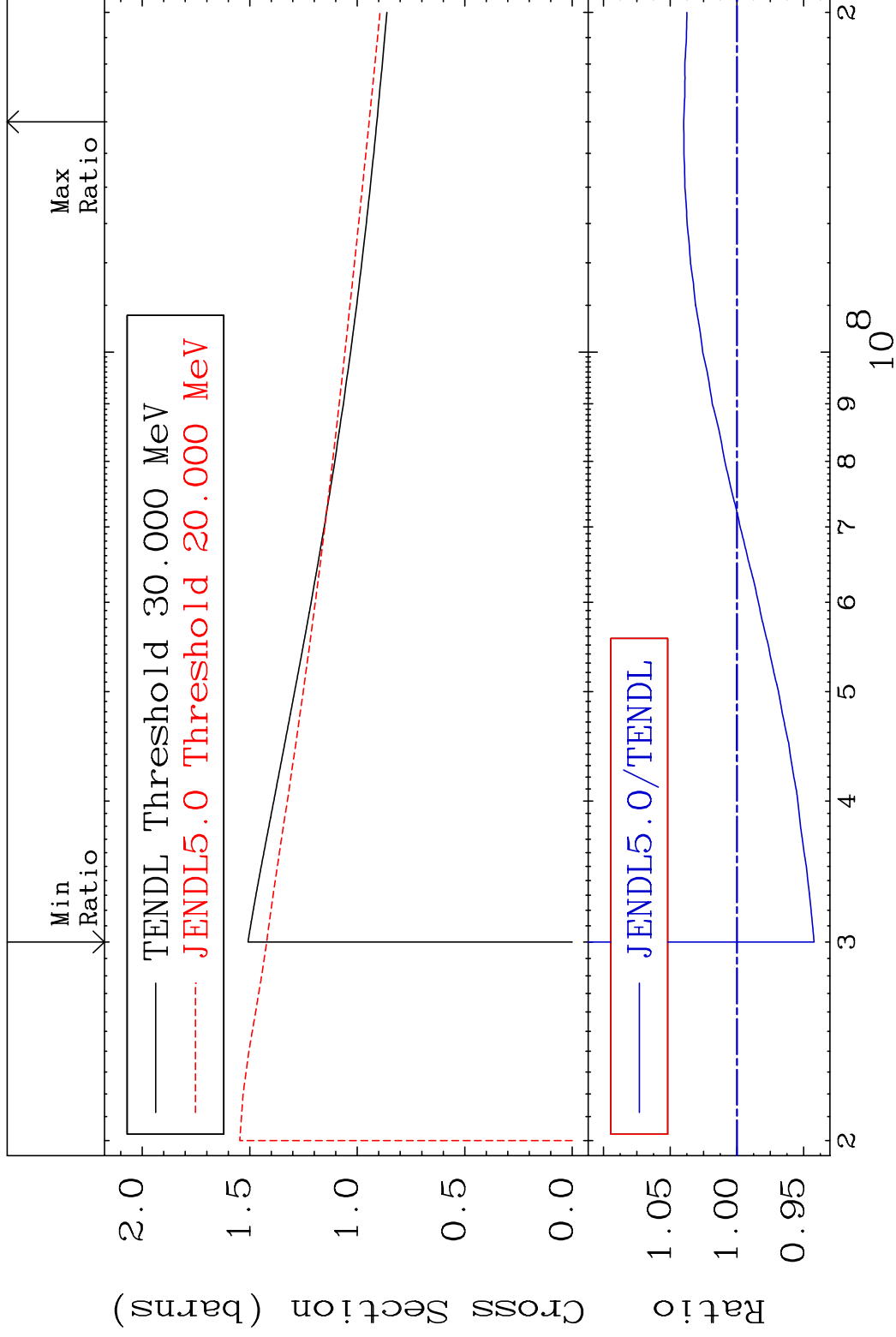


MAT 3834

(n, remainder)

38-Sr-87

Cross Section -5.778 To 3.997 %



4

Incident Energy (eV)

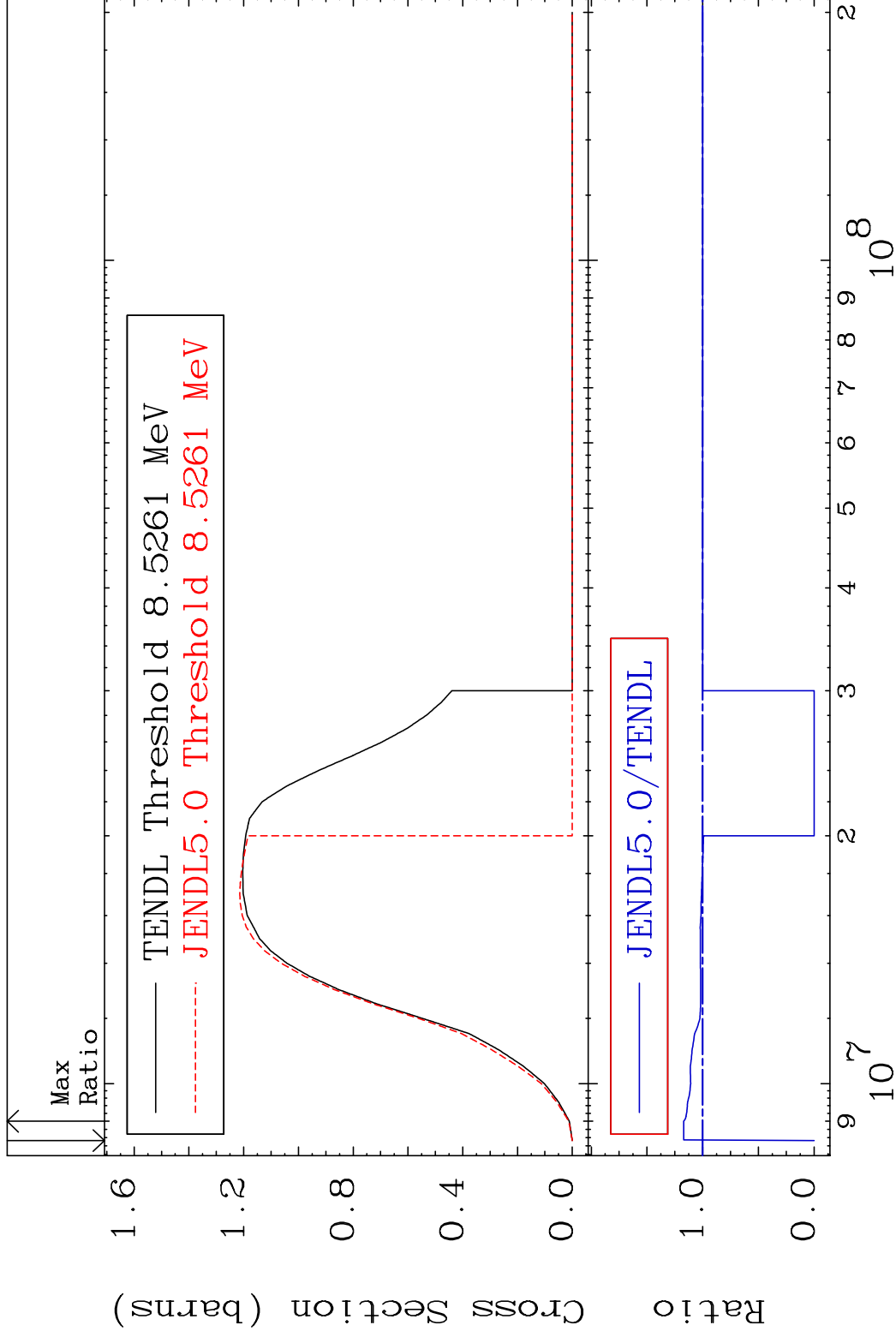
38-Sr-87

MAT 3834

(n,2n)

38-Sr-87

Cross Section -100.0 To 17.08 %

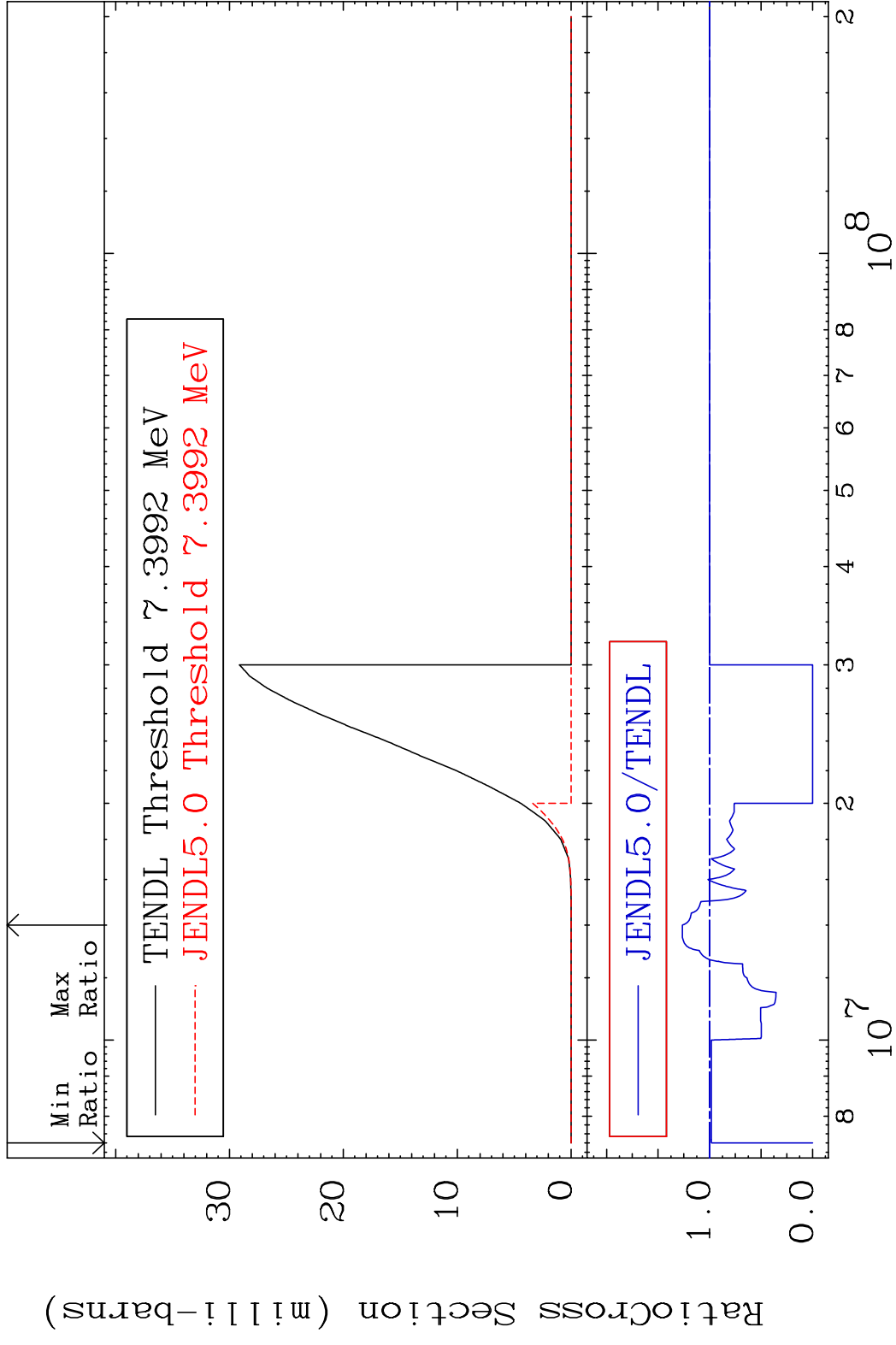


5

Incident Energy (eV)

38-Sr-87

MAT 3834 $(n, n') \alpha$ 38-Sr-87
 Cross Section -100.0 To 26.43 %



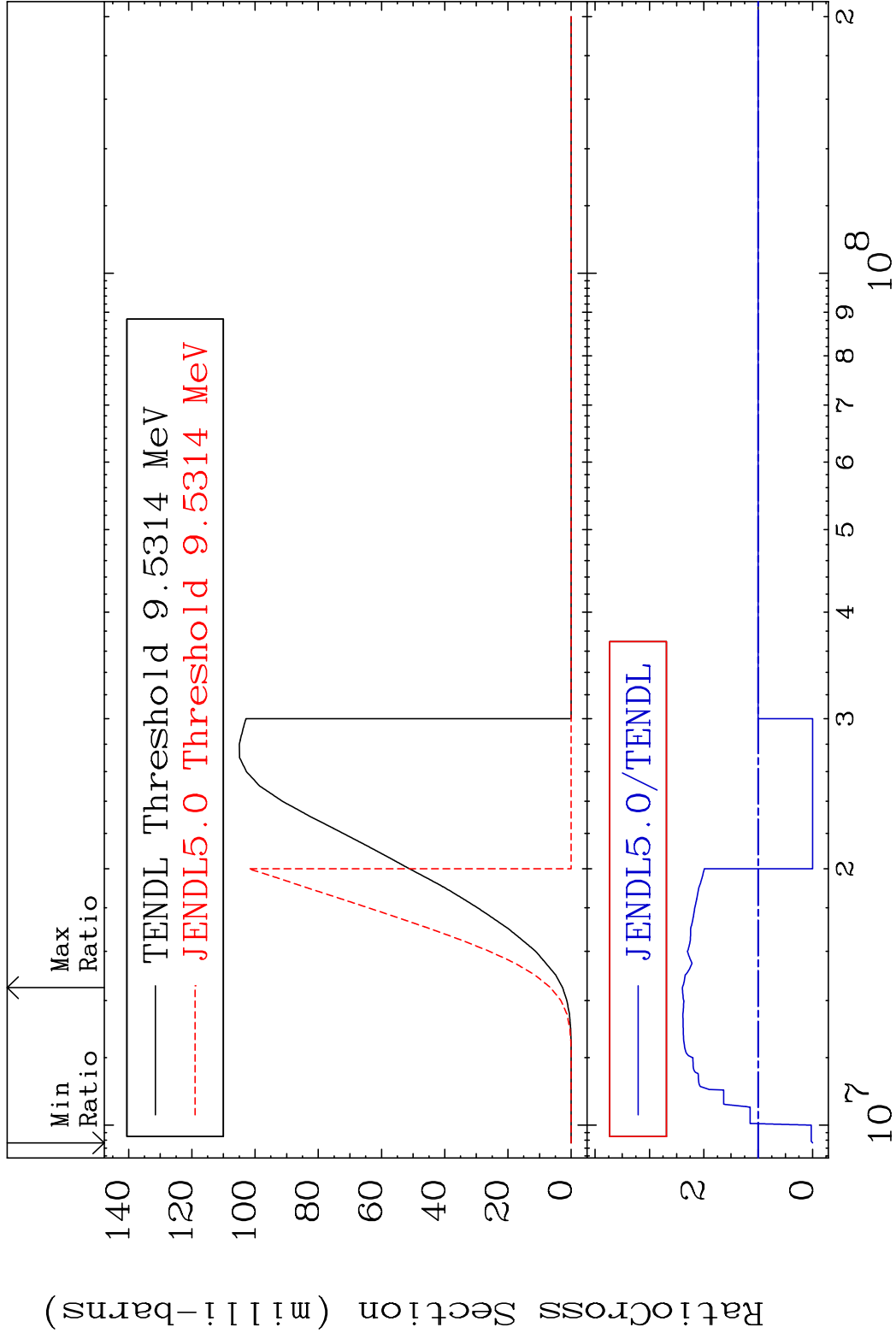
6 38-Sr-87

MAT 3834

(n, n') p

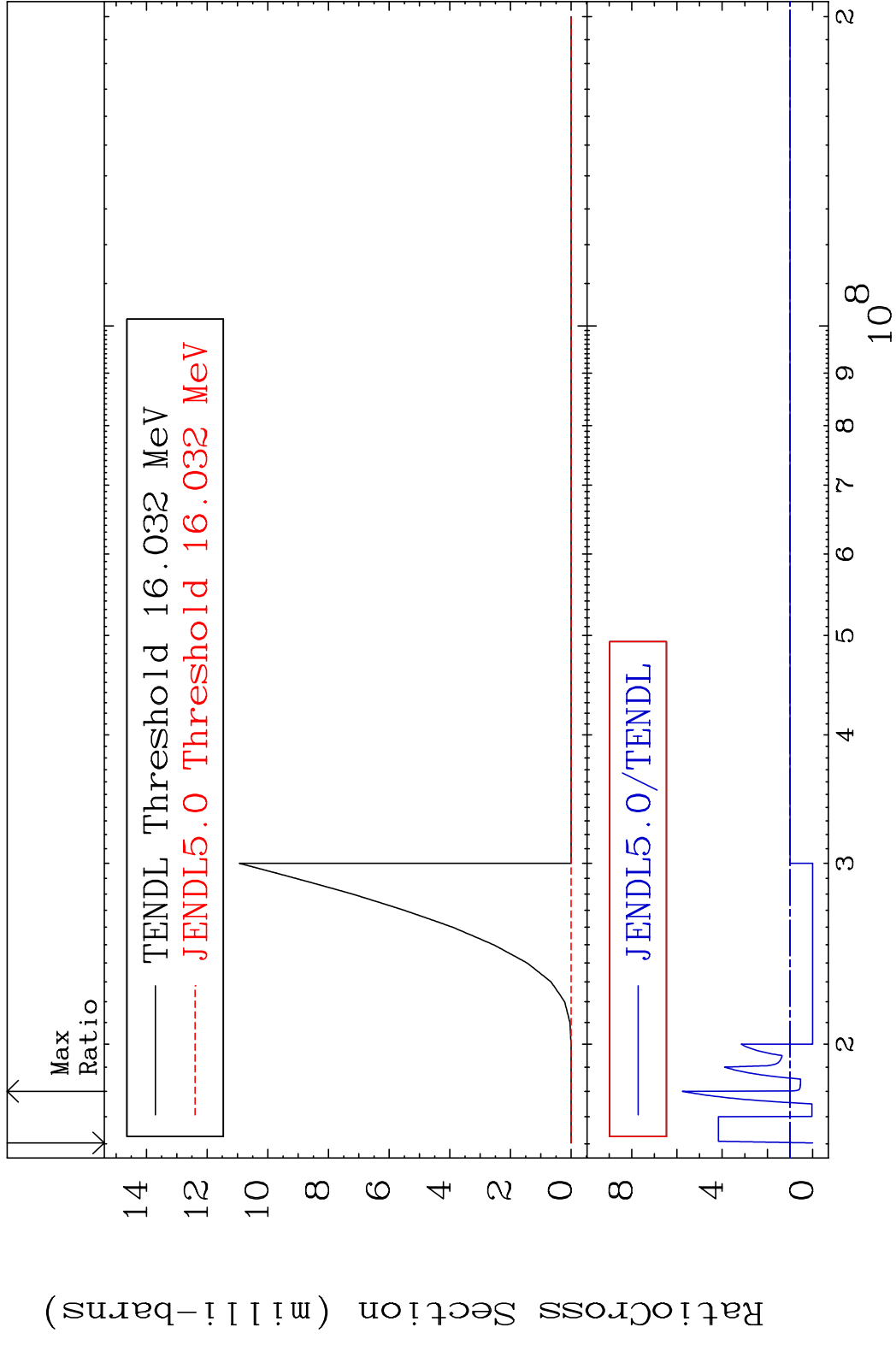
38-Sr-87

Cross Section -100.0 To 139.5 %

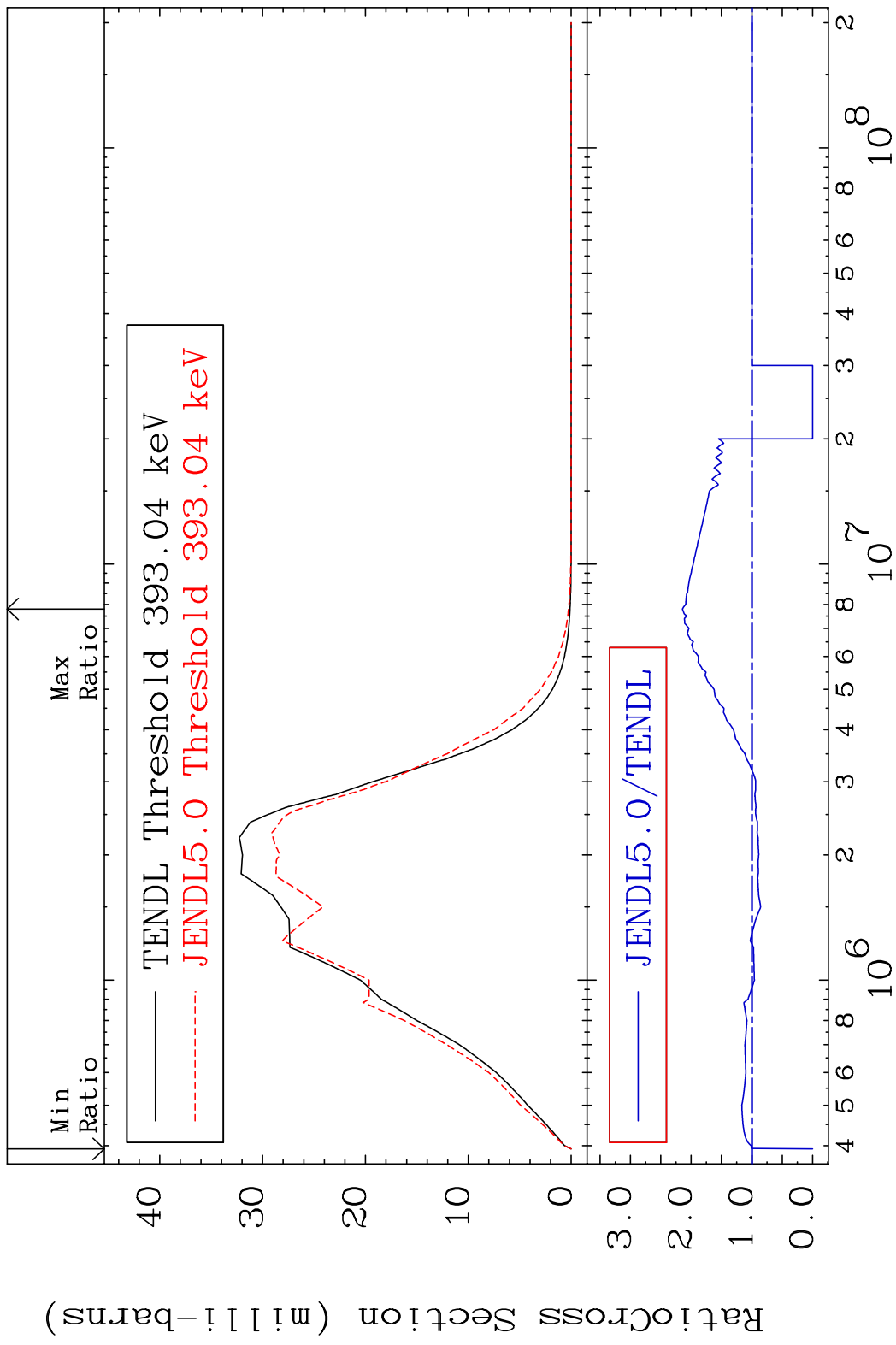


7 Incident Energy (eV) 38-Sr-87

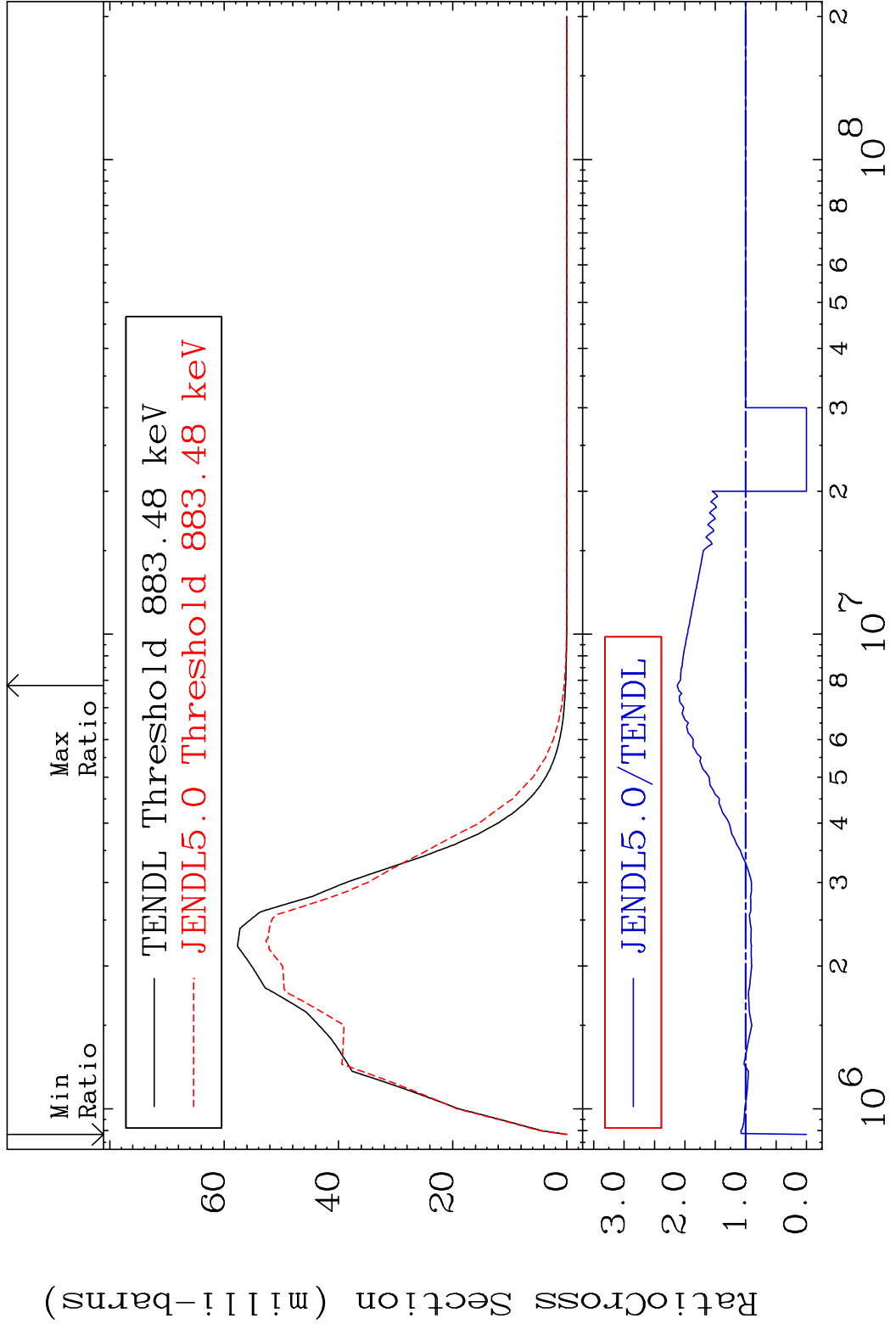
MAT 3834 (n, n') d 38-Sr-87
 Cross Section -100.0 To 476.2 %



MAT 3834 MT= 51 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 114.5 %

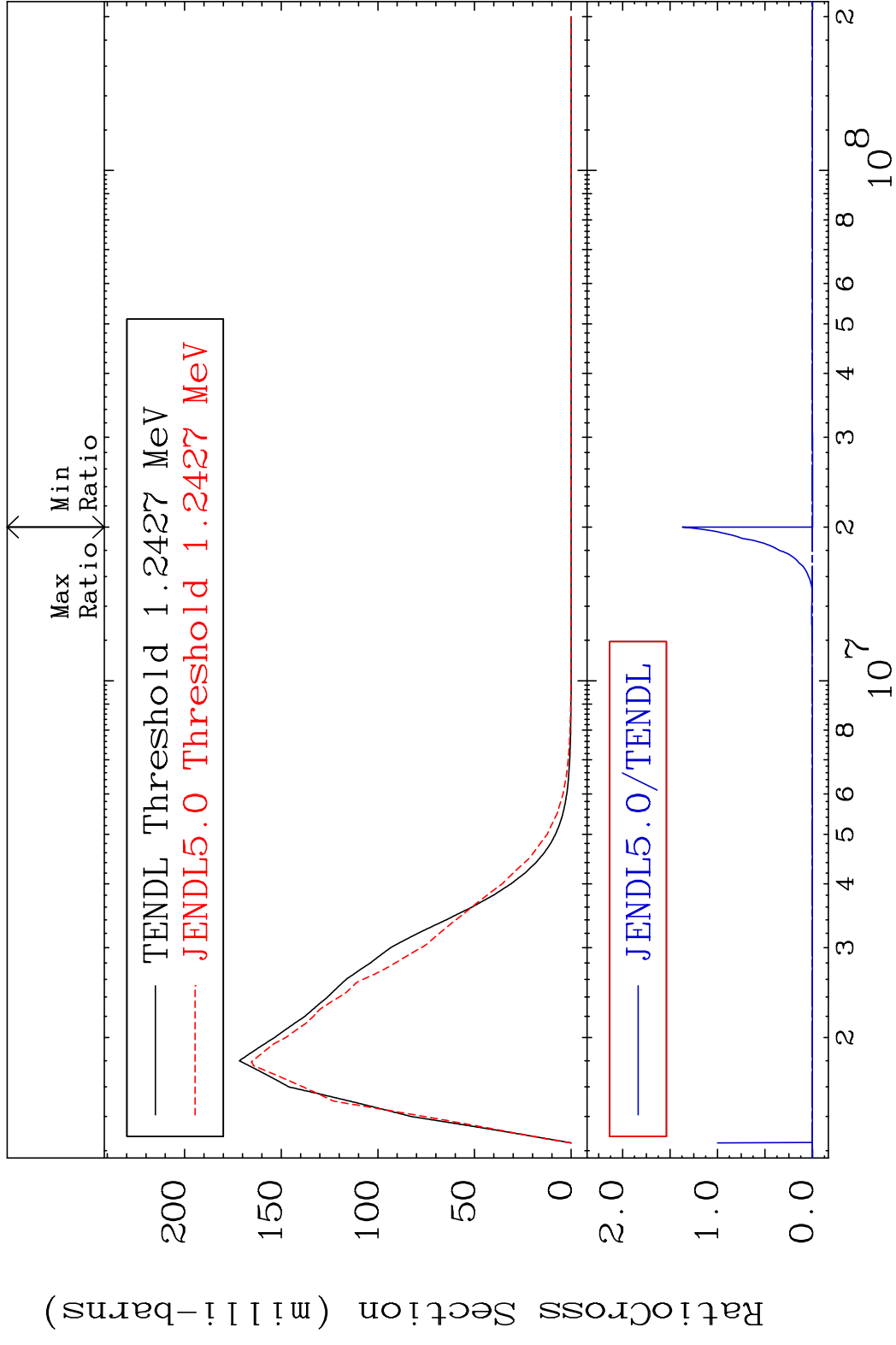


MAT 3834 MT= 52 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 112.7 %



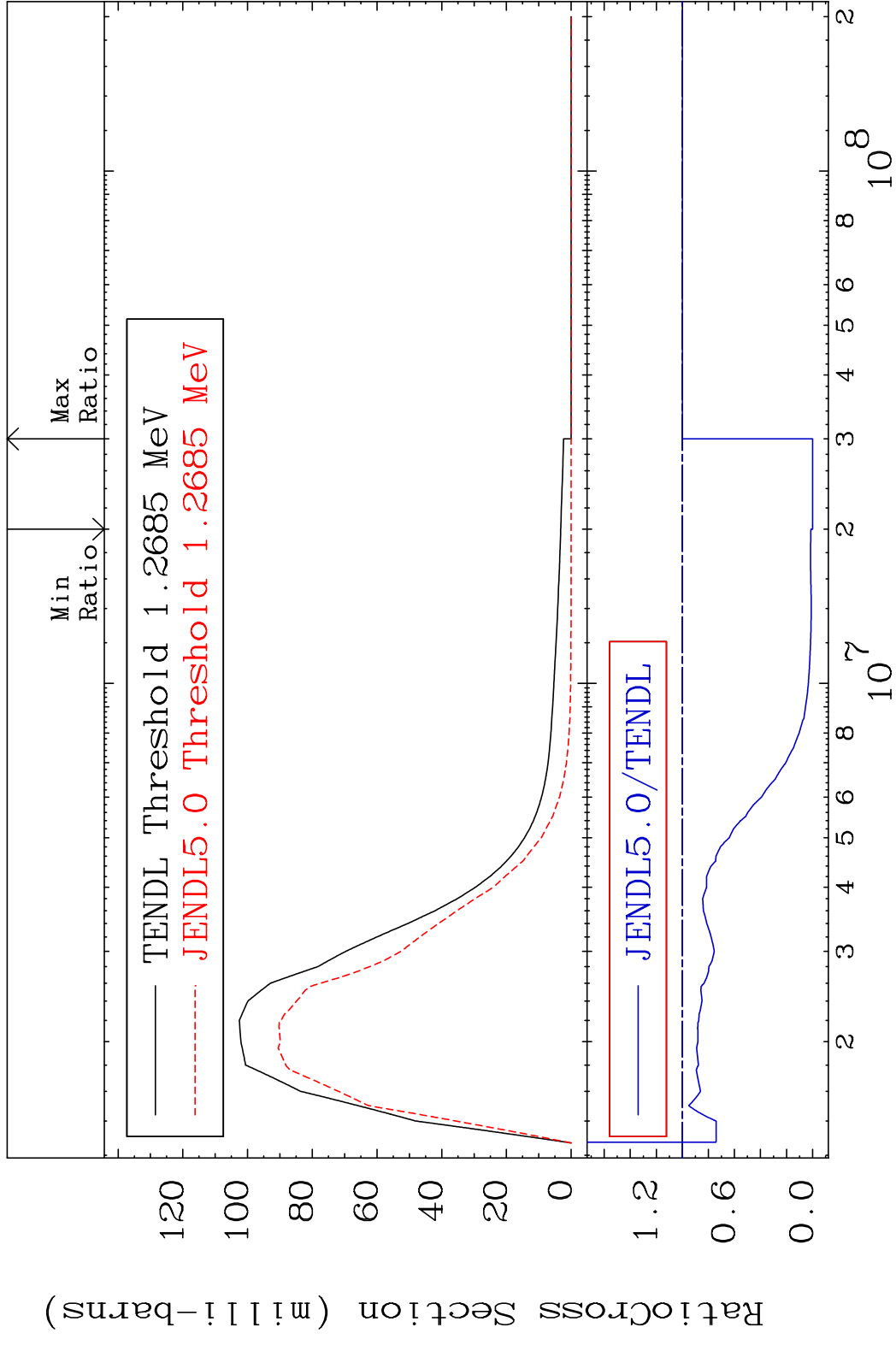
10 2 3 4 5 6 7 8 10⁶ 10⁷ 10⁸ 2 38-Sr-87

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

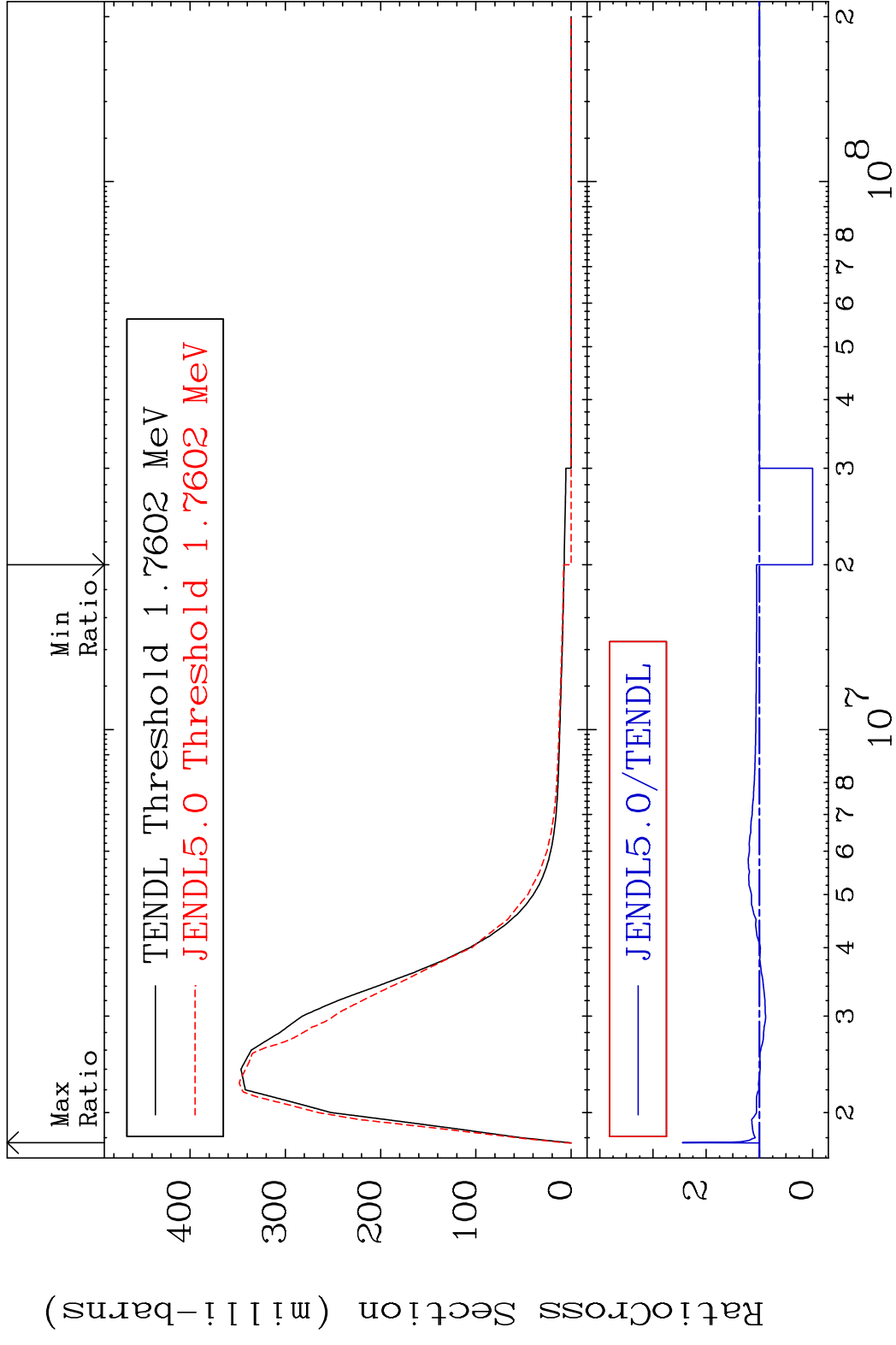


11 Incident Energy (eV) 38-Sr-87

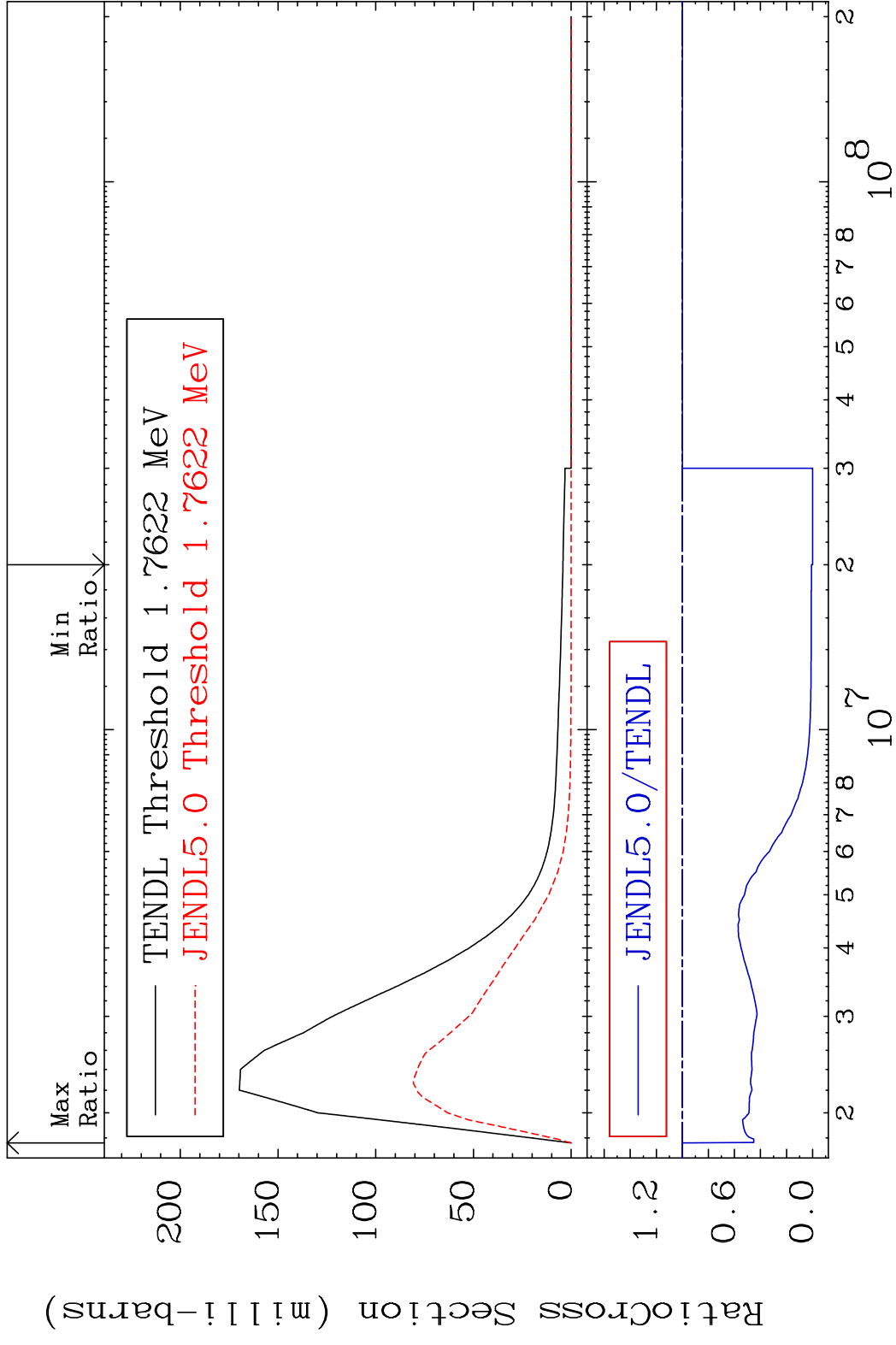
MAT 3834 MT= 54 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 0.000 %



MAT 3834 MT= 55 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 144.8 %

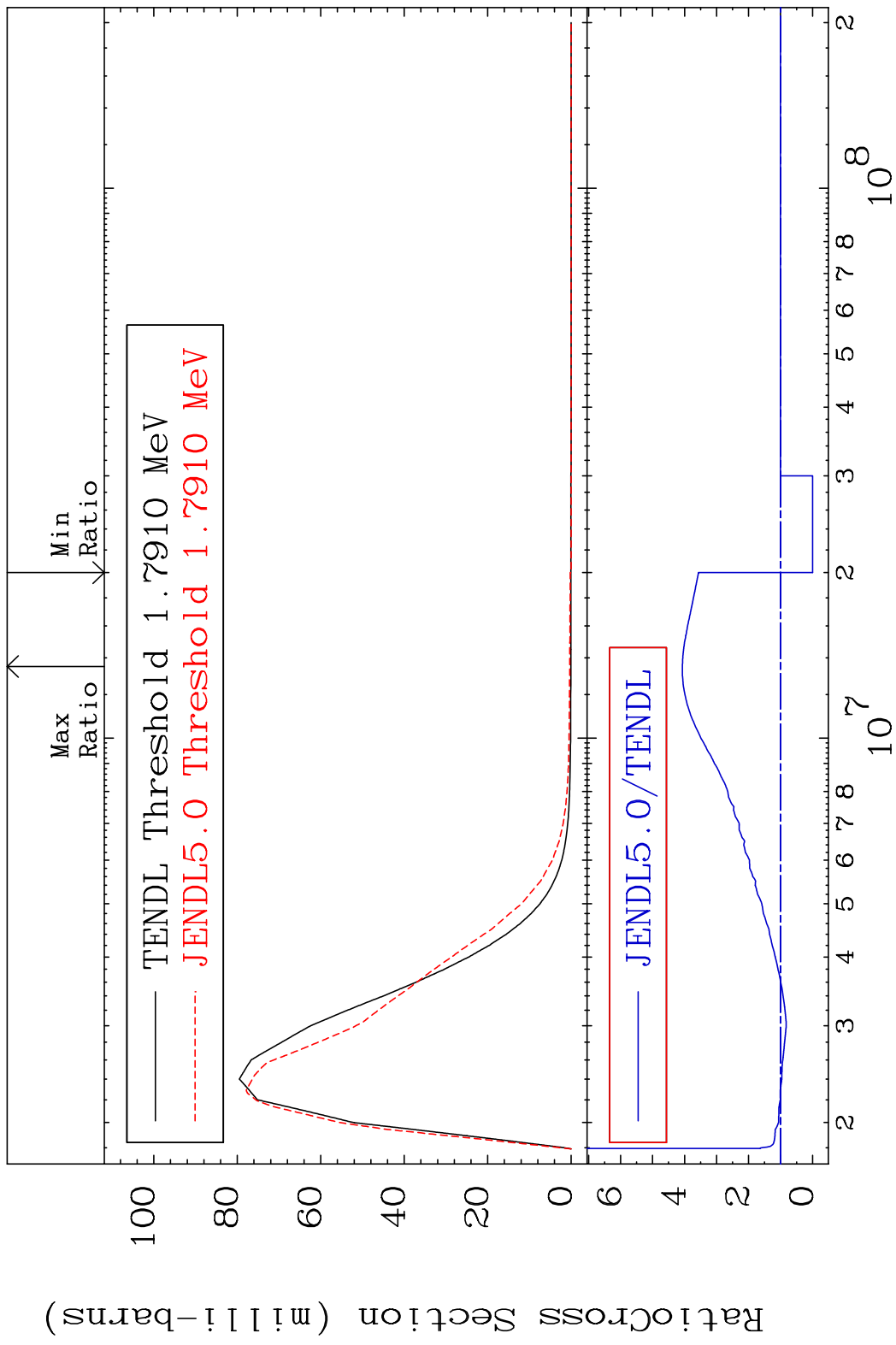


MAT 3834 MT= 56 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 0.000 %



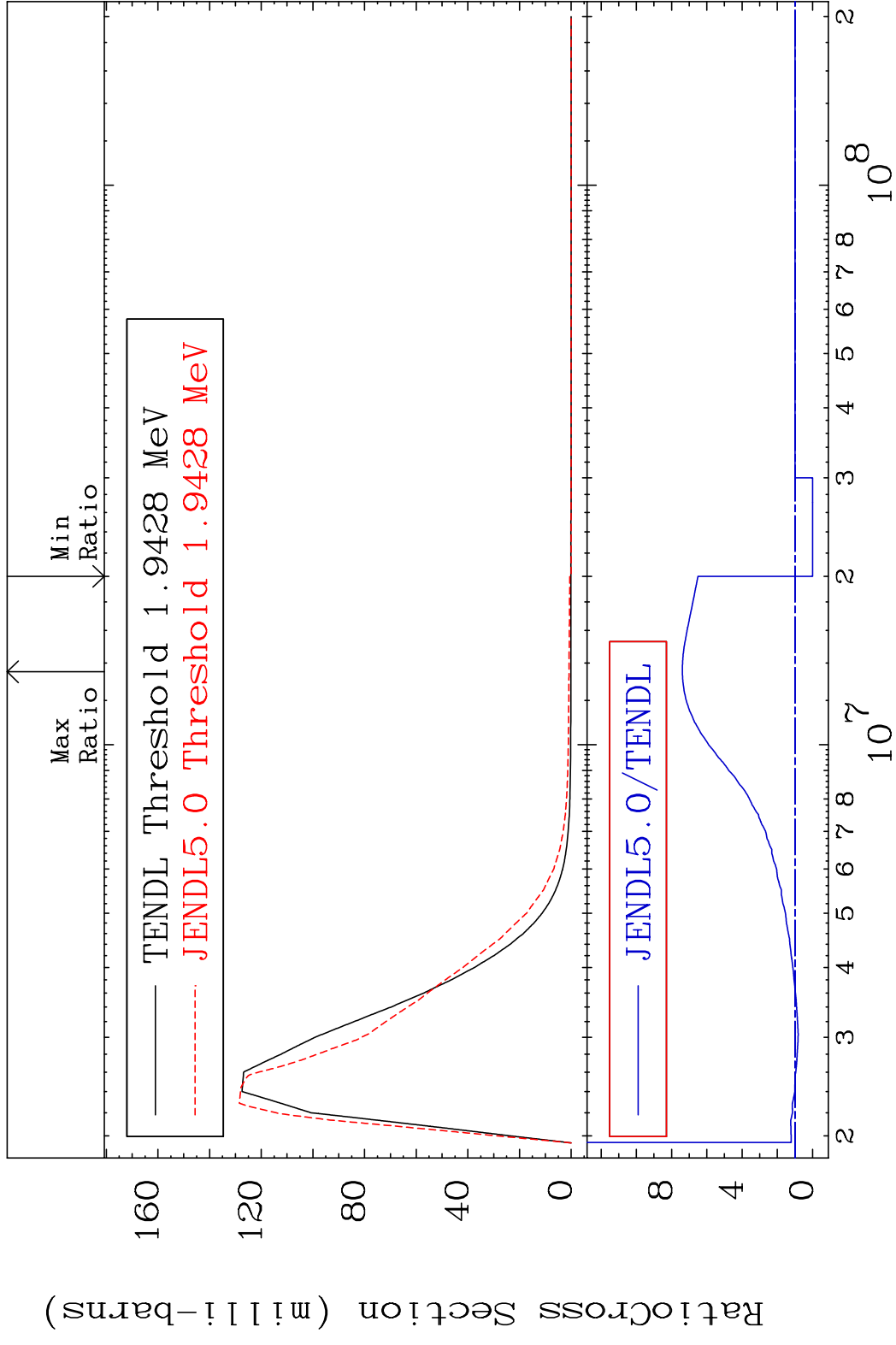
14 Incident Energy (eV) 38-Sr-87

MAT 3834 MT= 57 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 306.9 %

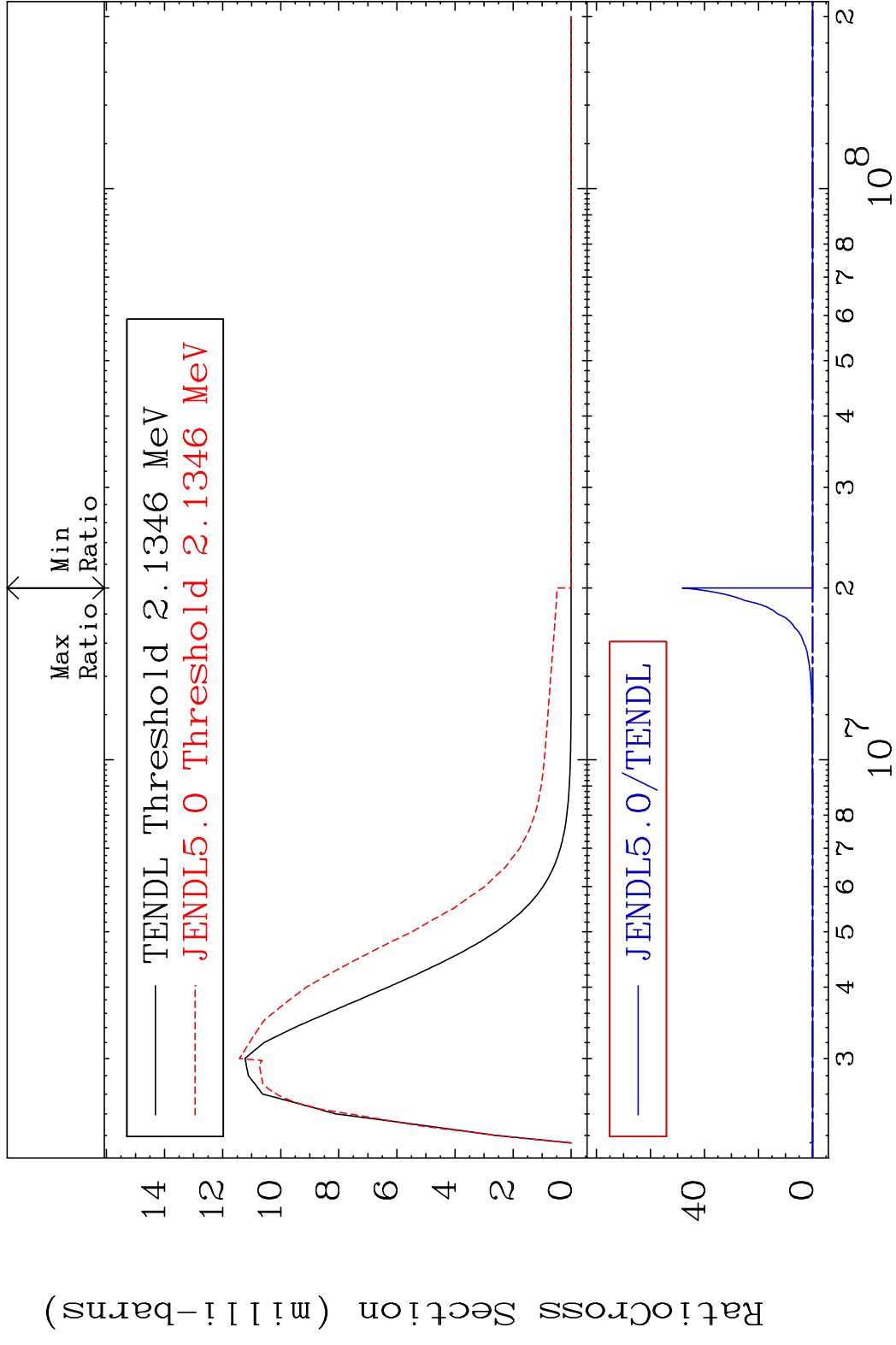


15 Incident Energy (eV) 38-Sr-87

MAT 3834 MT= 58 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 638.9 %

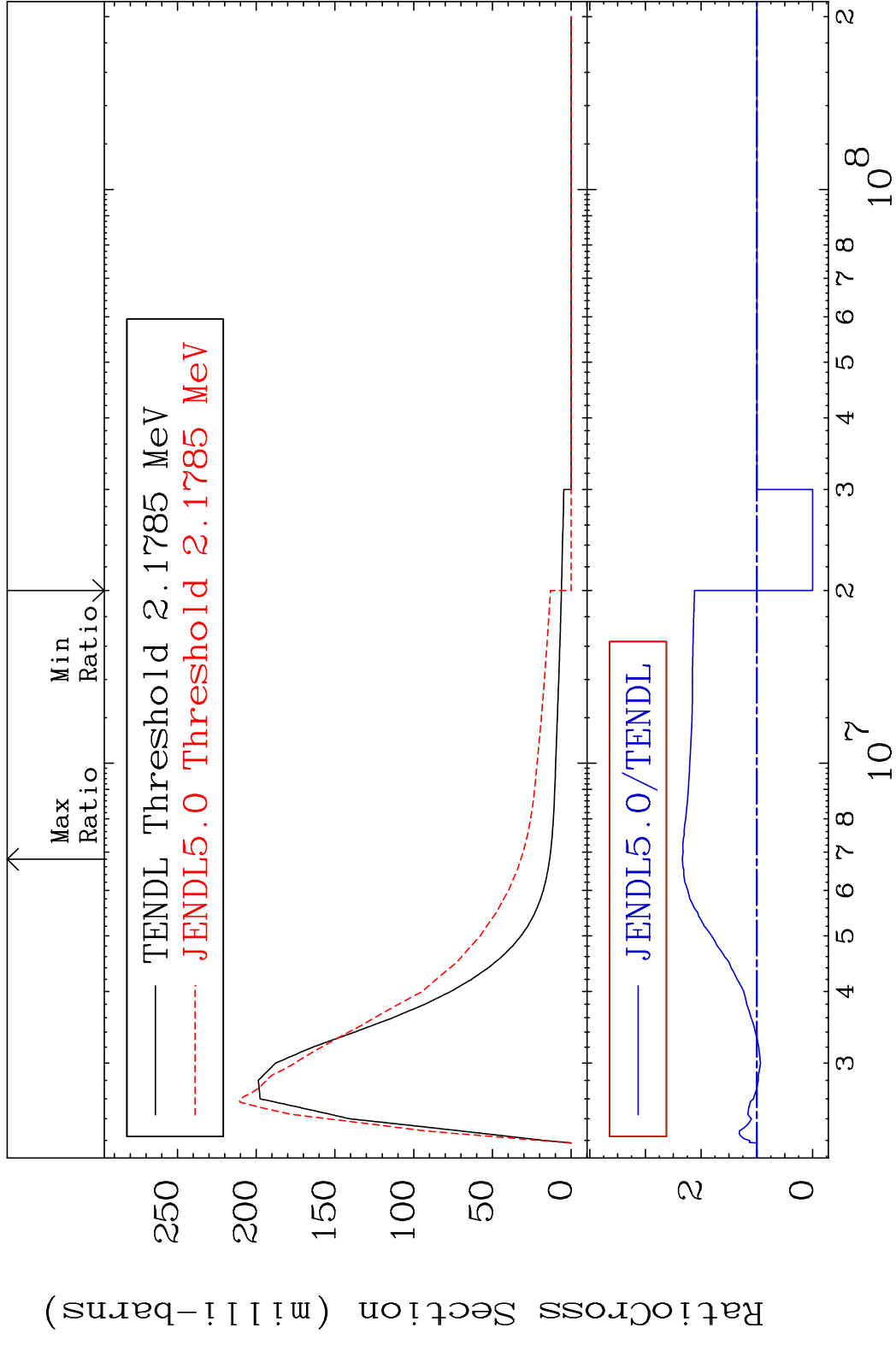


MAT 3834 MT= 59 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 9999. %



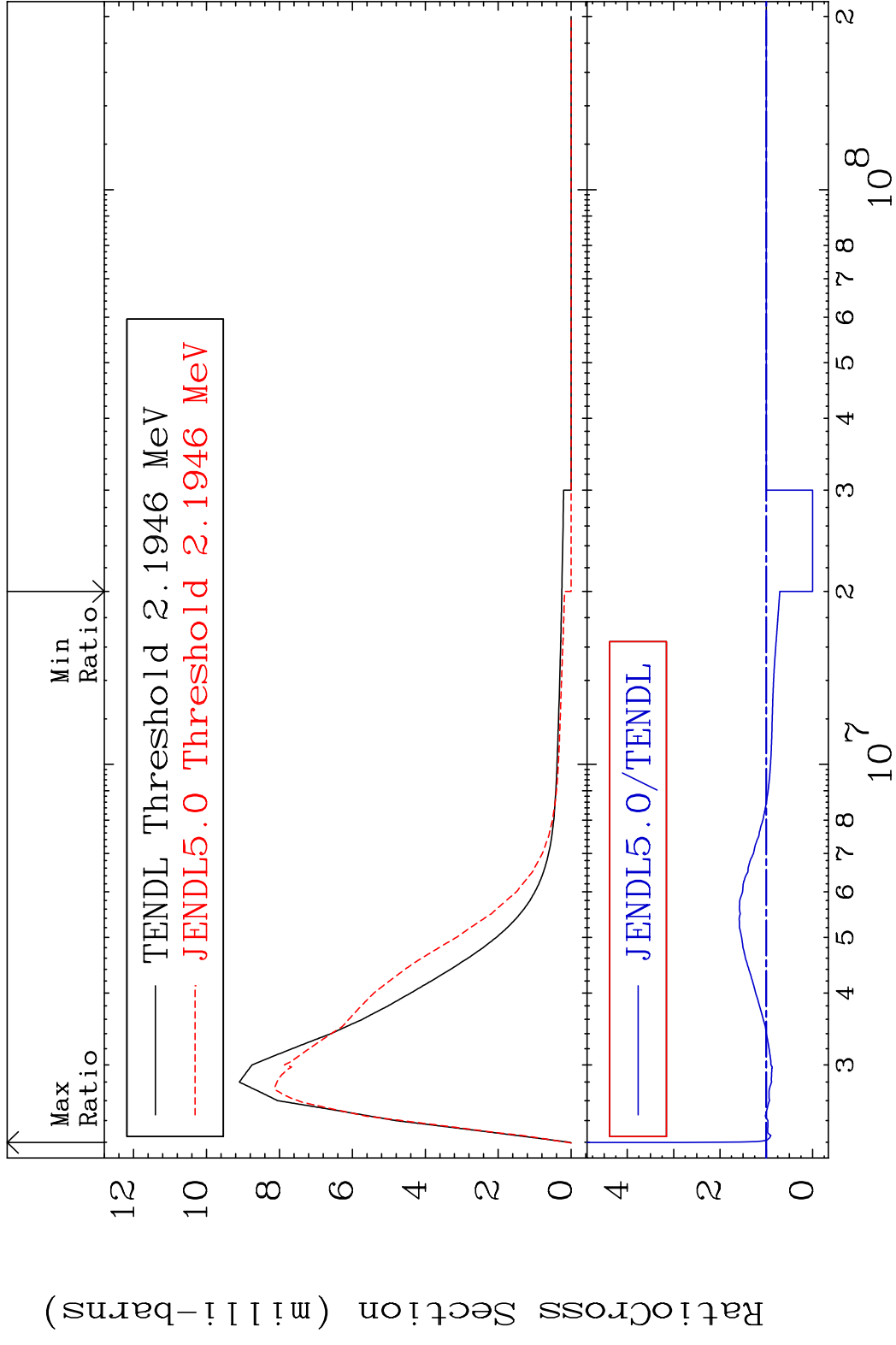
17 38-Sr-87

MAT 3834 MT= 60 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 133.7 %

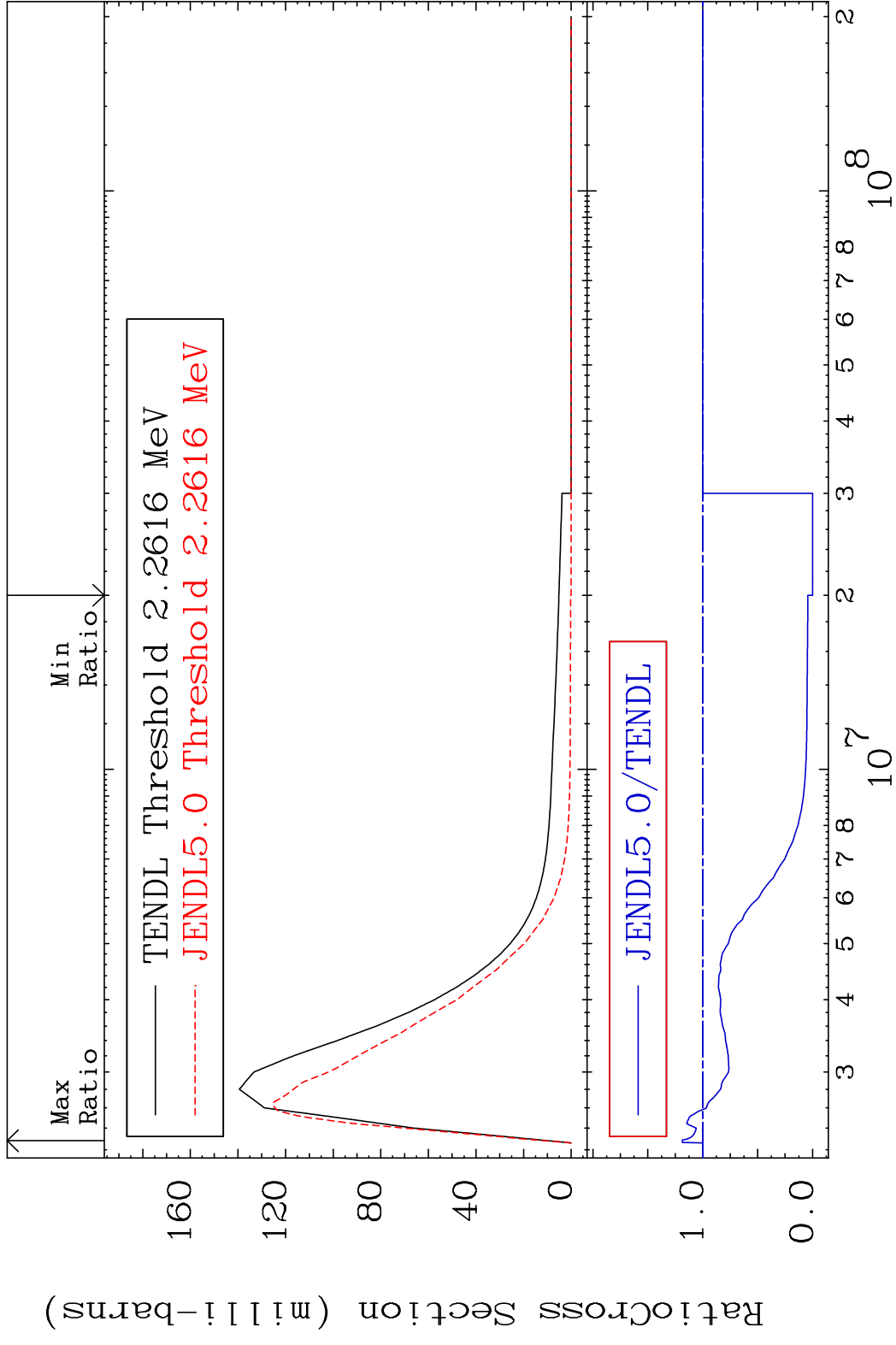


18 18 38-Sr-87

MAT 3834 MT= 61 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 181.1 %

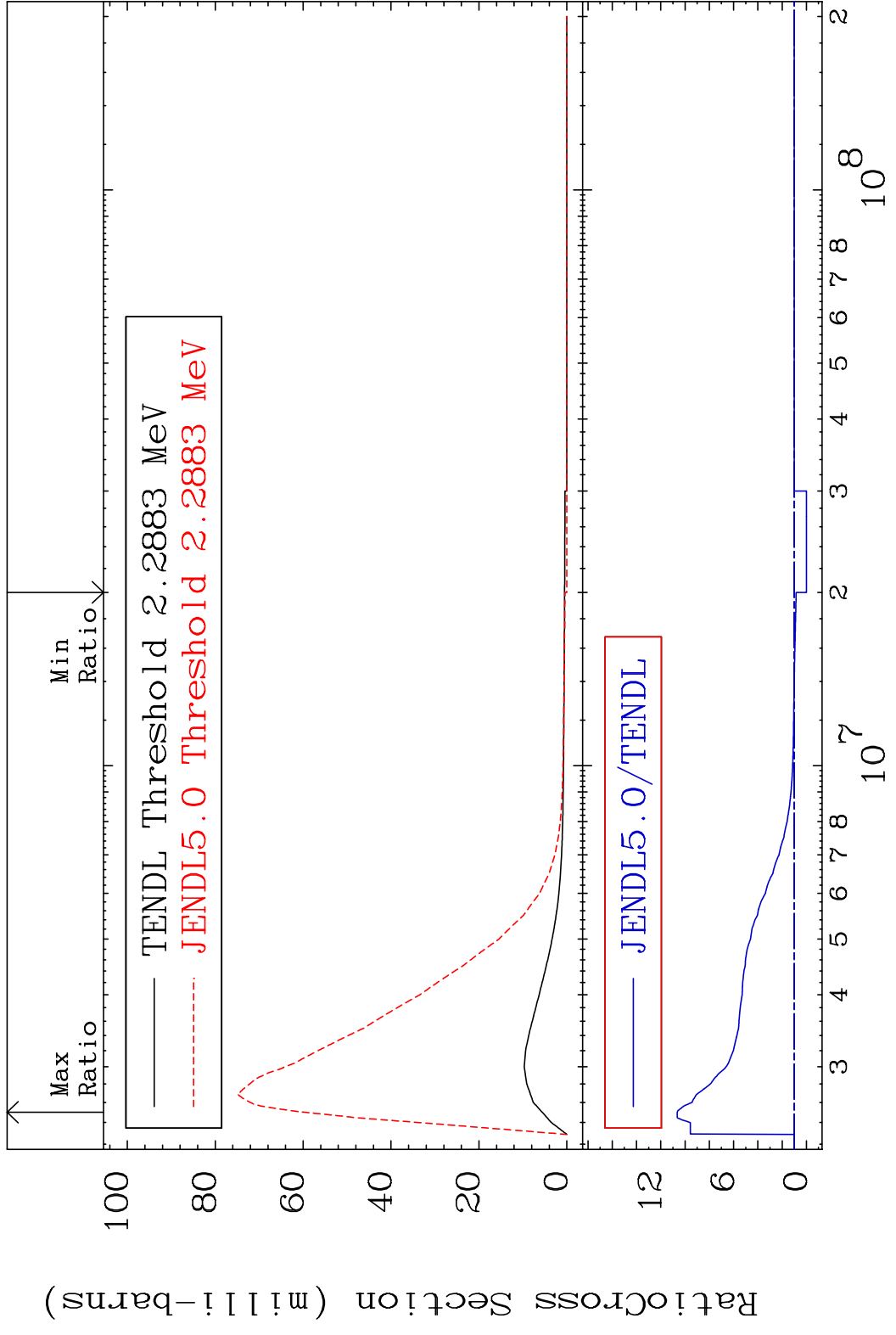


MAT 3834 MT= 62 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 18.54 %

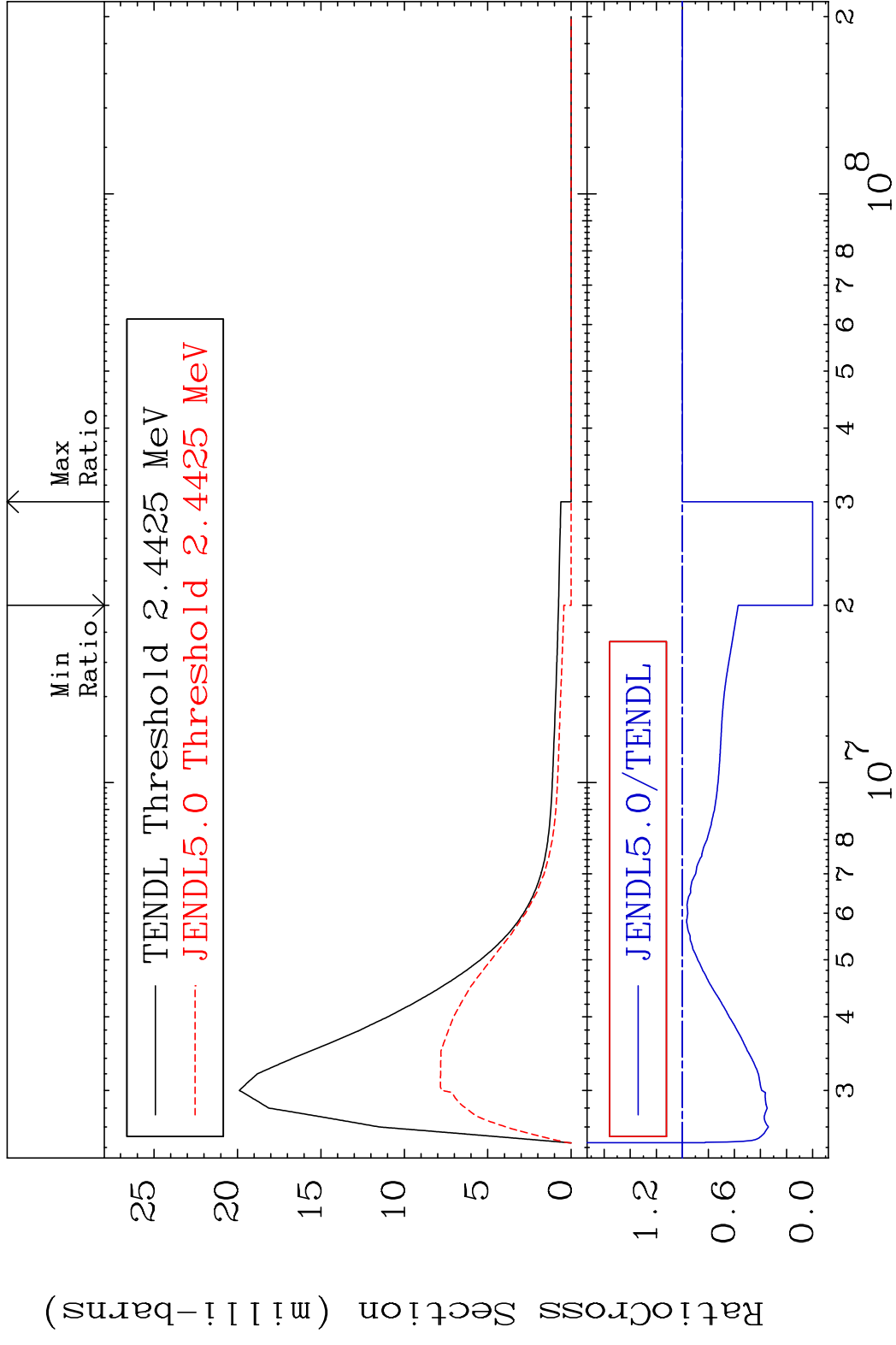


20 38-Sr-87

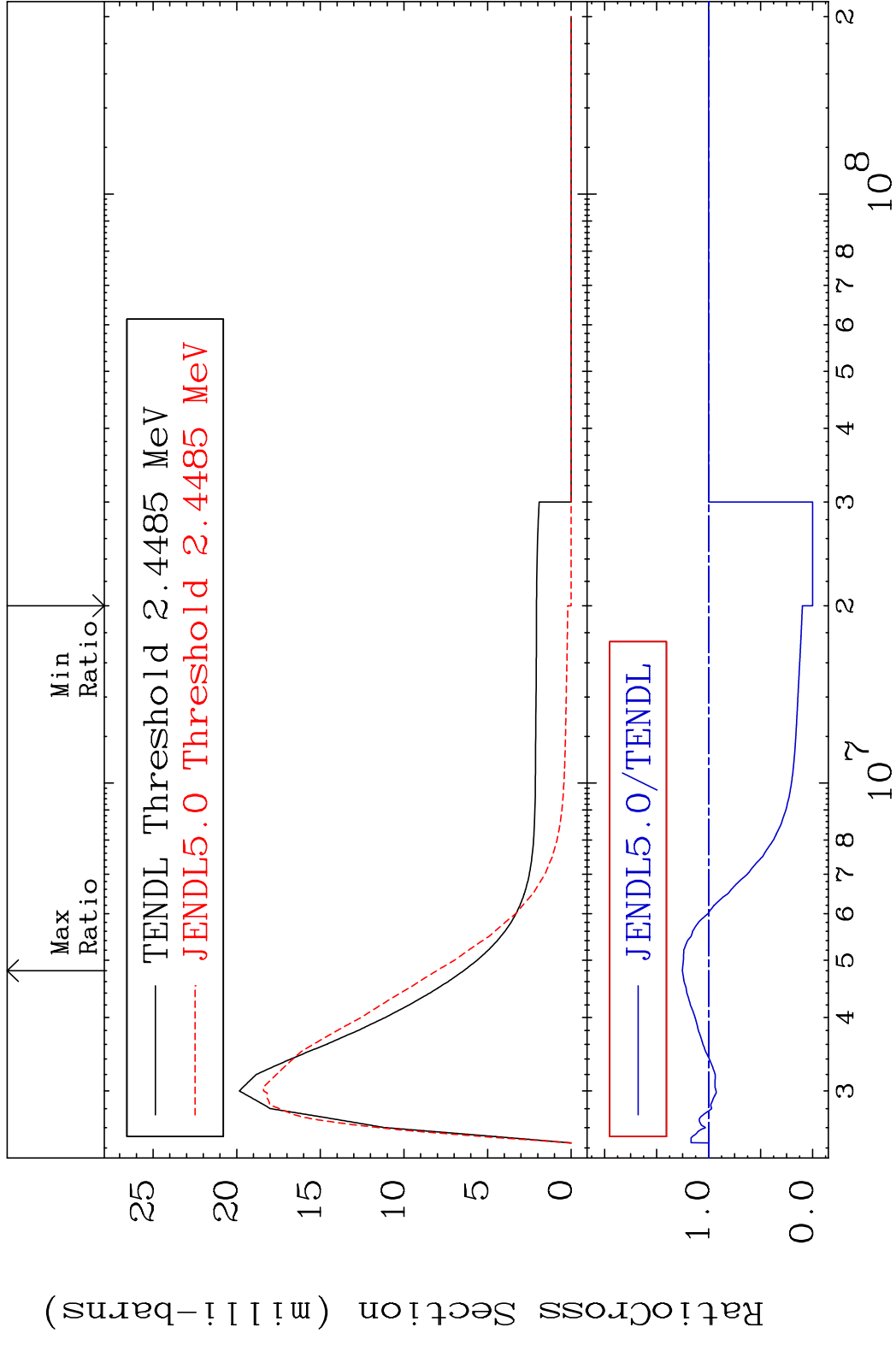
MAT 3834 MT= 63 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 964.7 %



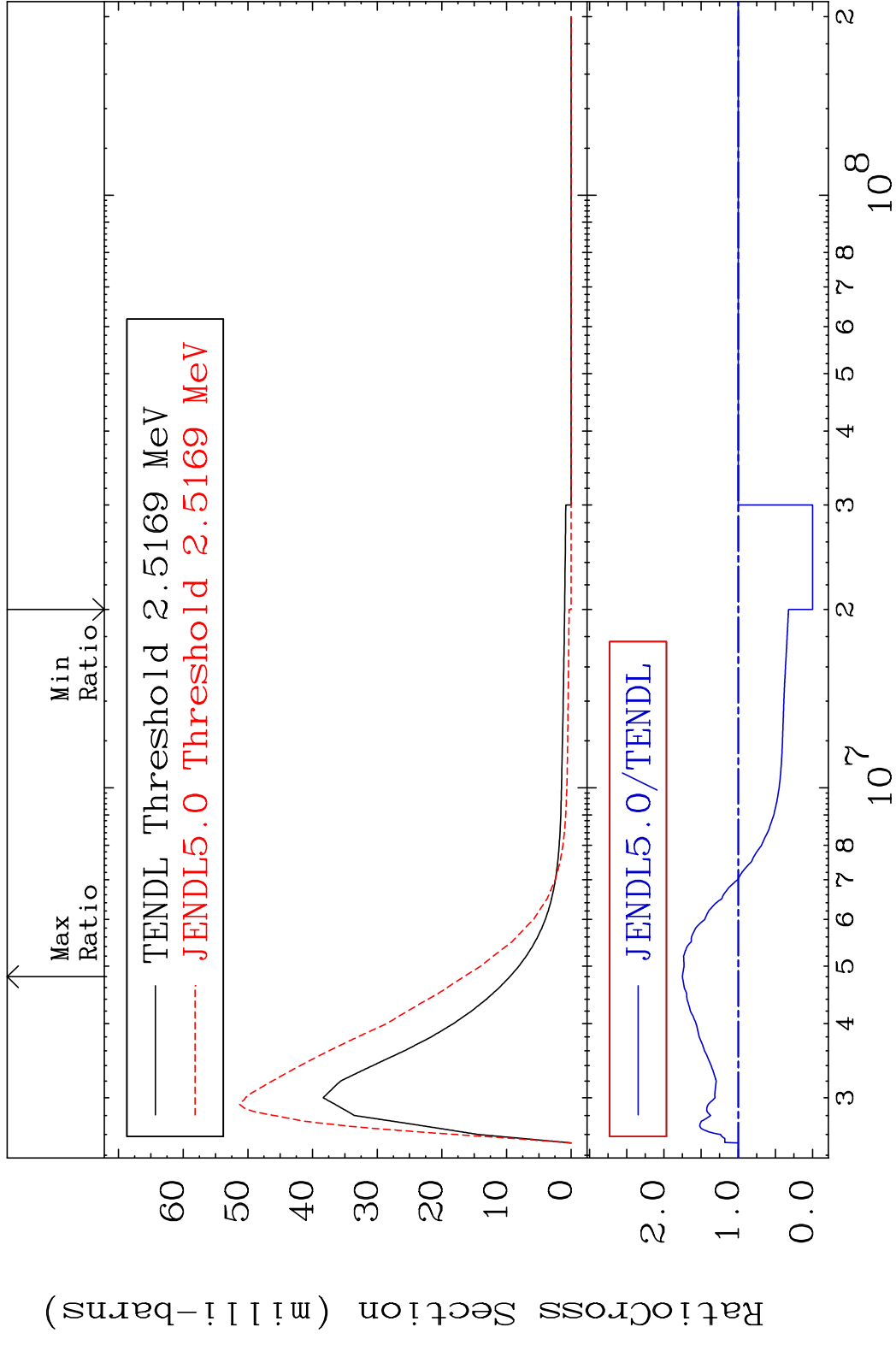
MAT 3834 MT= 64 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 0.000 %



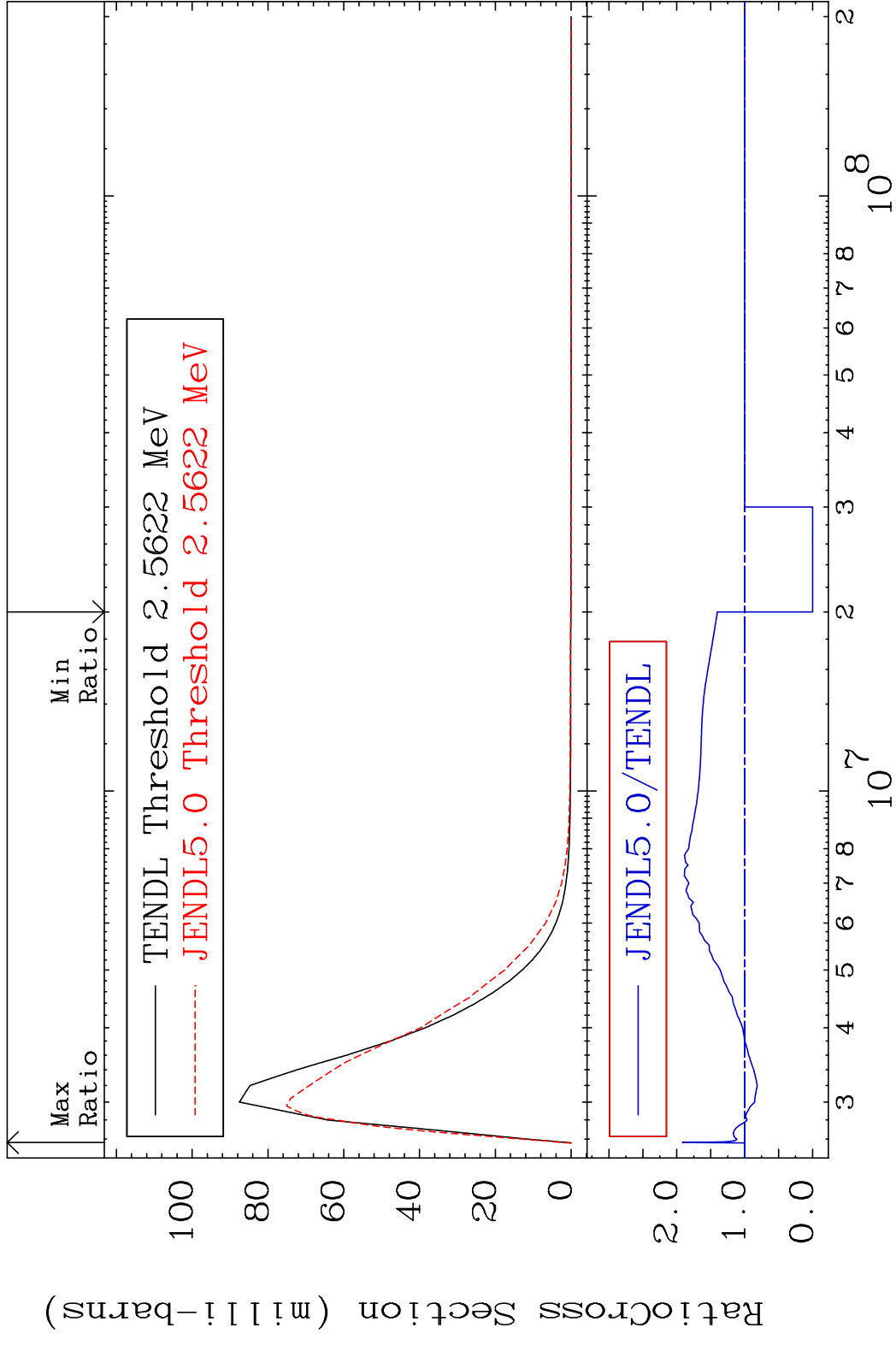
MAT 3834 MT= 65 (n,n') Level 38-Sr-87
 Cross Section -100.0 To 25.19 %



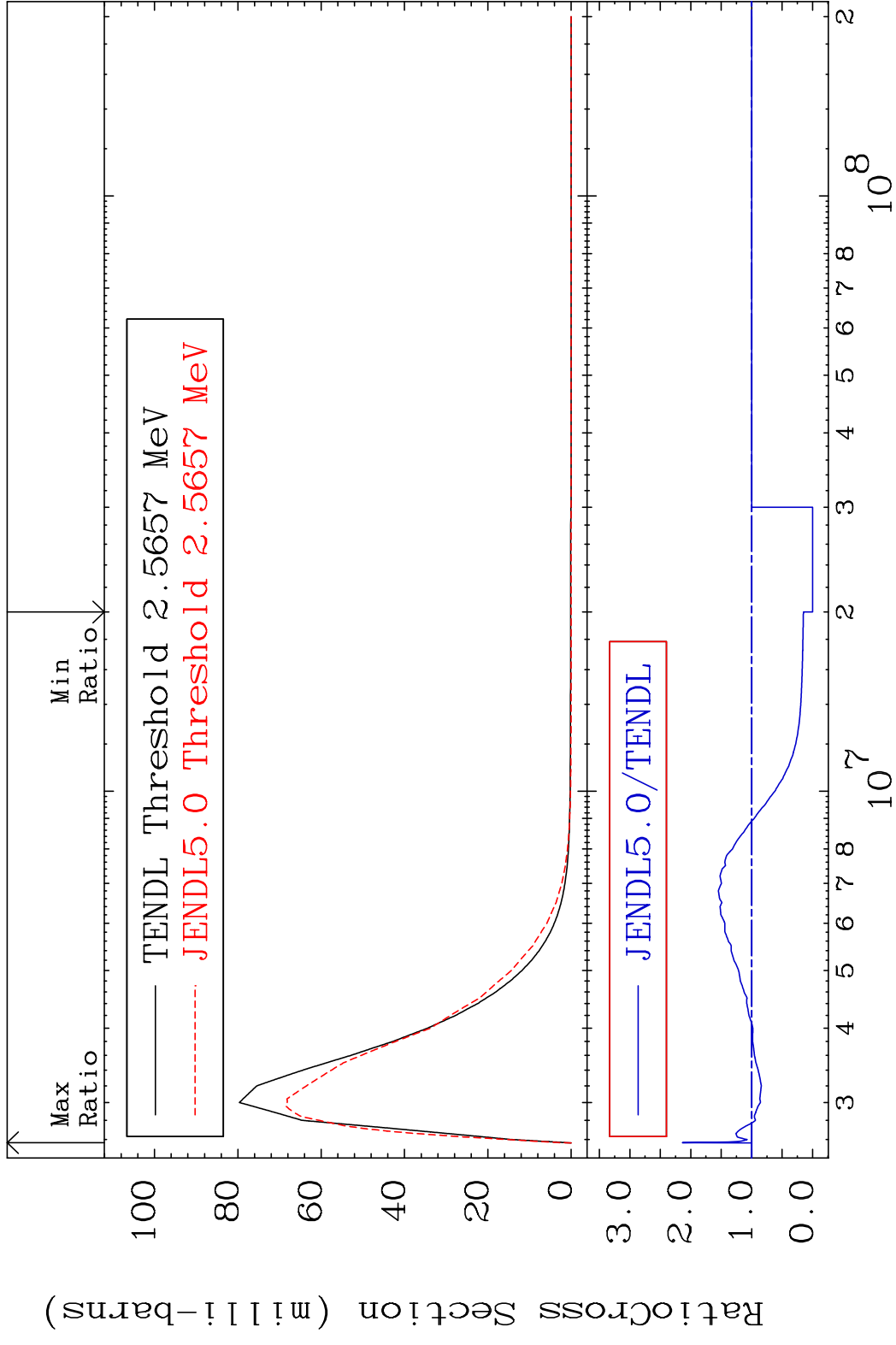
MAT 3834 MT= 66 (n,n') Level 38-Sr-87
 Cross Section -100.0 To 75.15 %



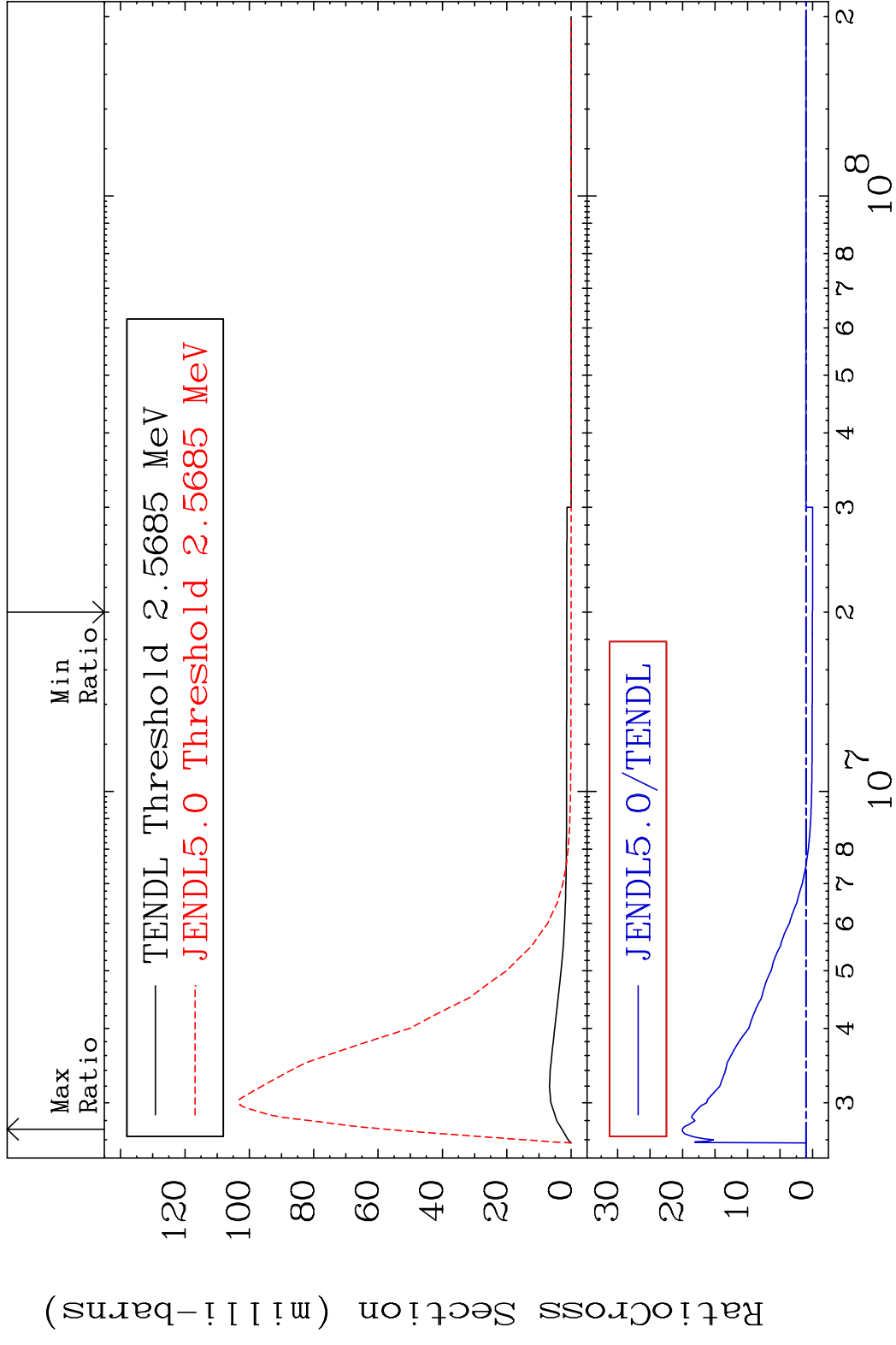
MAT 3834 MT= 67 (n,n') Level 38-Sr-87
 Cross Section -100.0 To 91.77 %



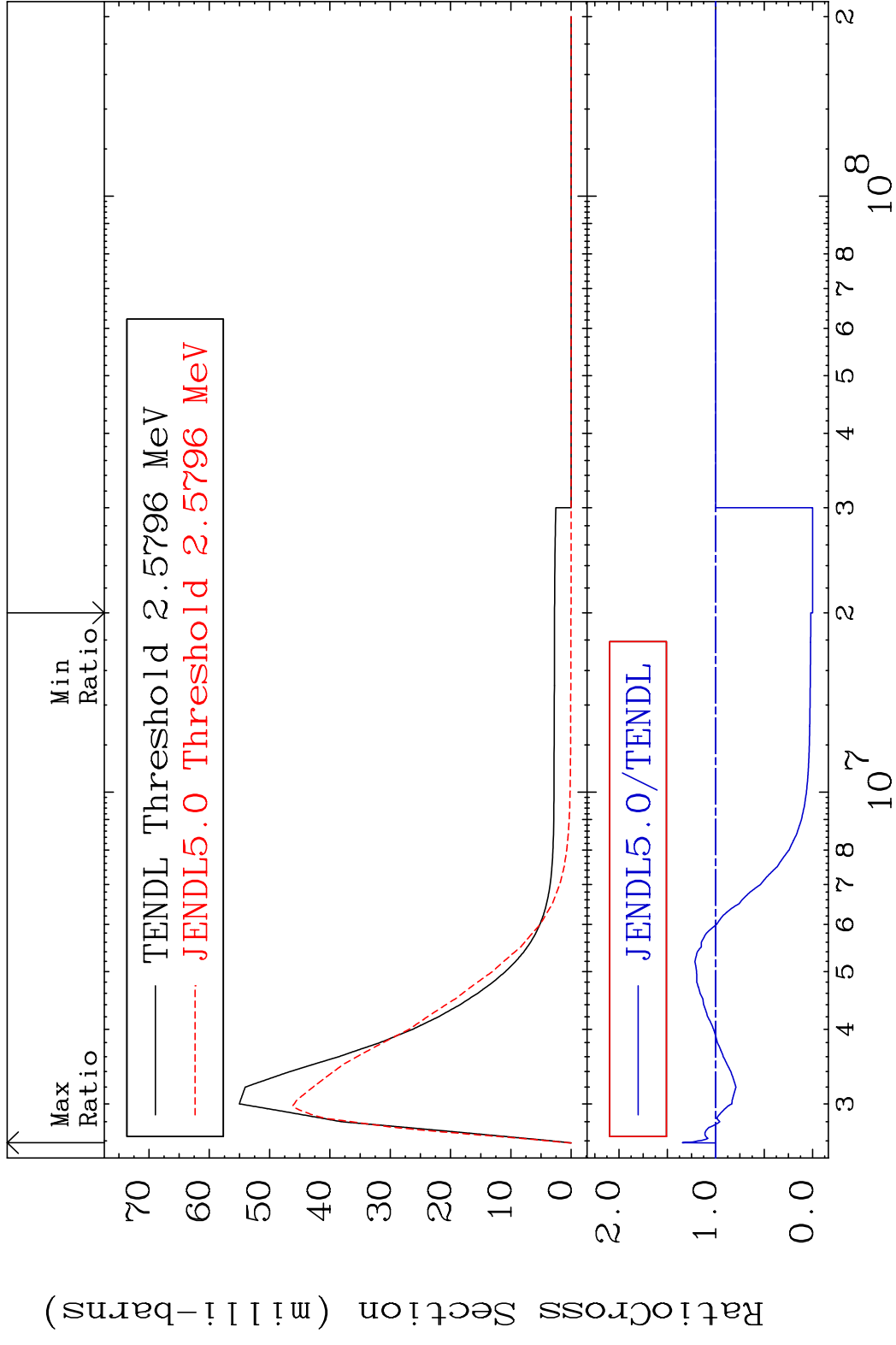
MAT 3834 MT= 68 (n,n') Level 38-Sr-87
 Cross Section -100.0 To 113.8 %



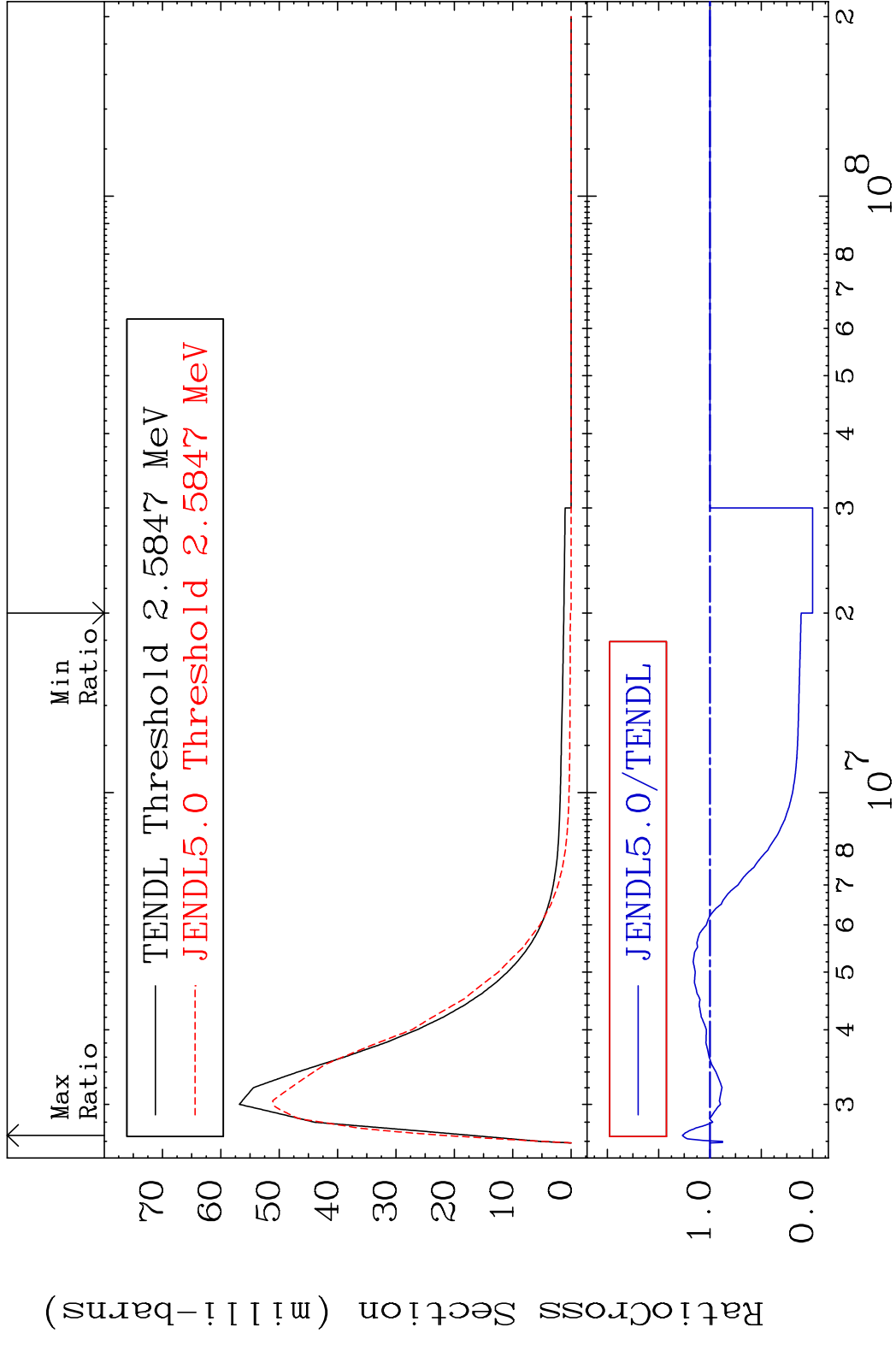
MAT 3834 MT= 69 (n,n') Level 38-Sr-87
 Cross Section -100.0 To 1903. %



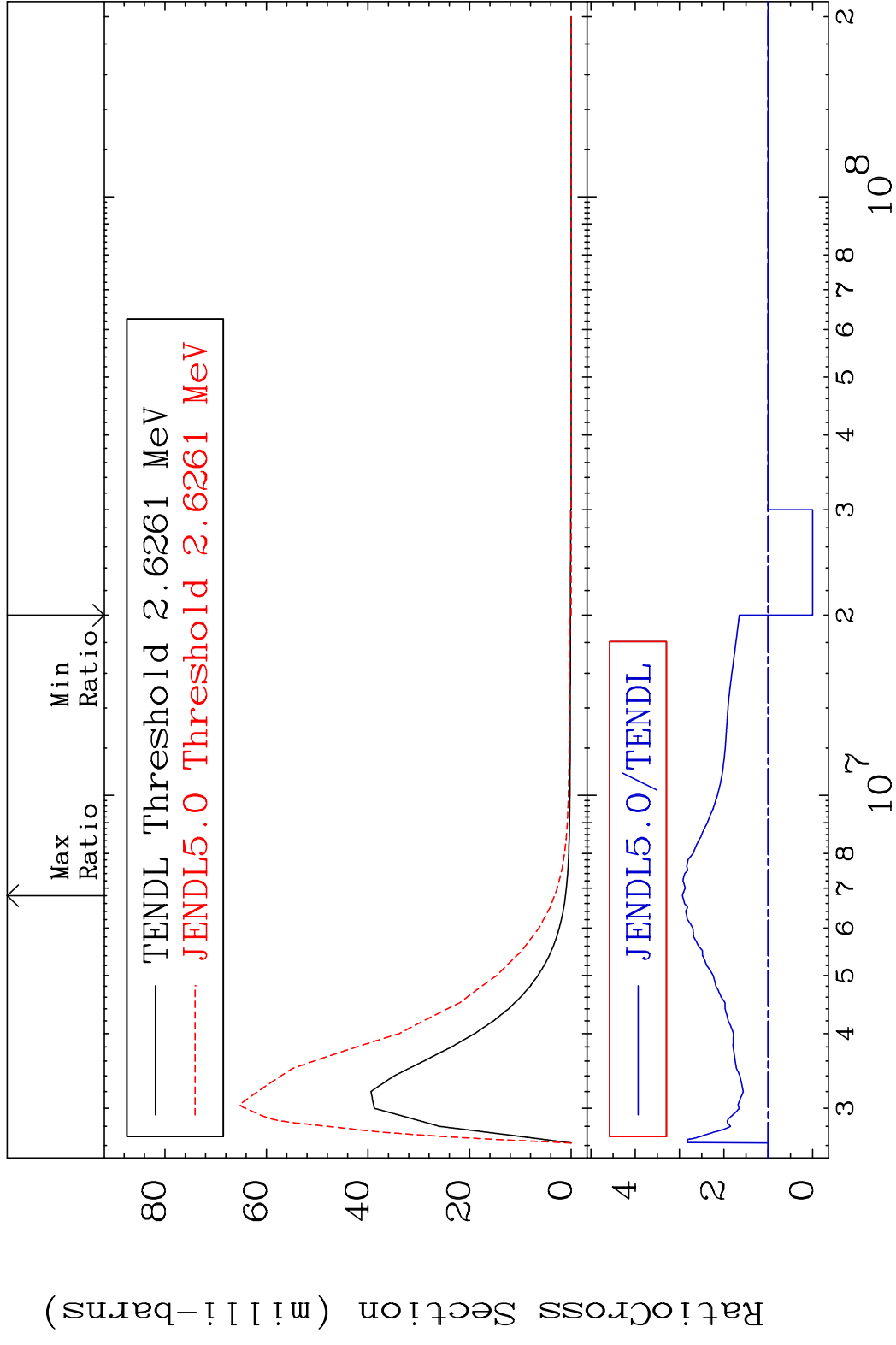
MAT 3834 MT= 70 (n,n') Level 38-Sr-87
 Cross Section -100.0 To 34.51 %



MAT 3834 MT= 71 (n,n') Level 38-Sr-87
 Cross Section -100.0 To 26.86 %

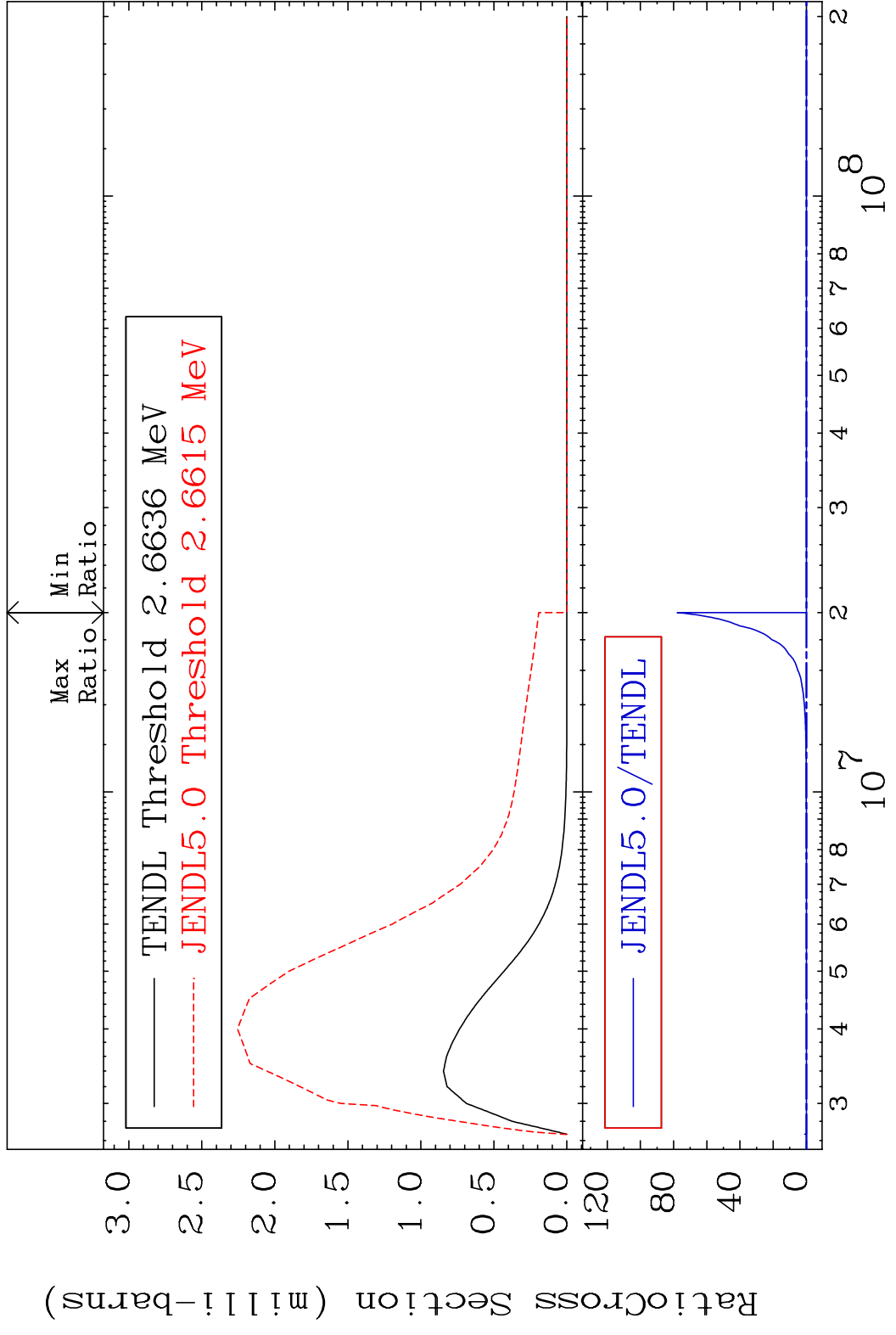


MAT 3834 MT= 72 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 193.6 %

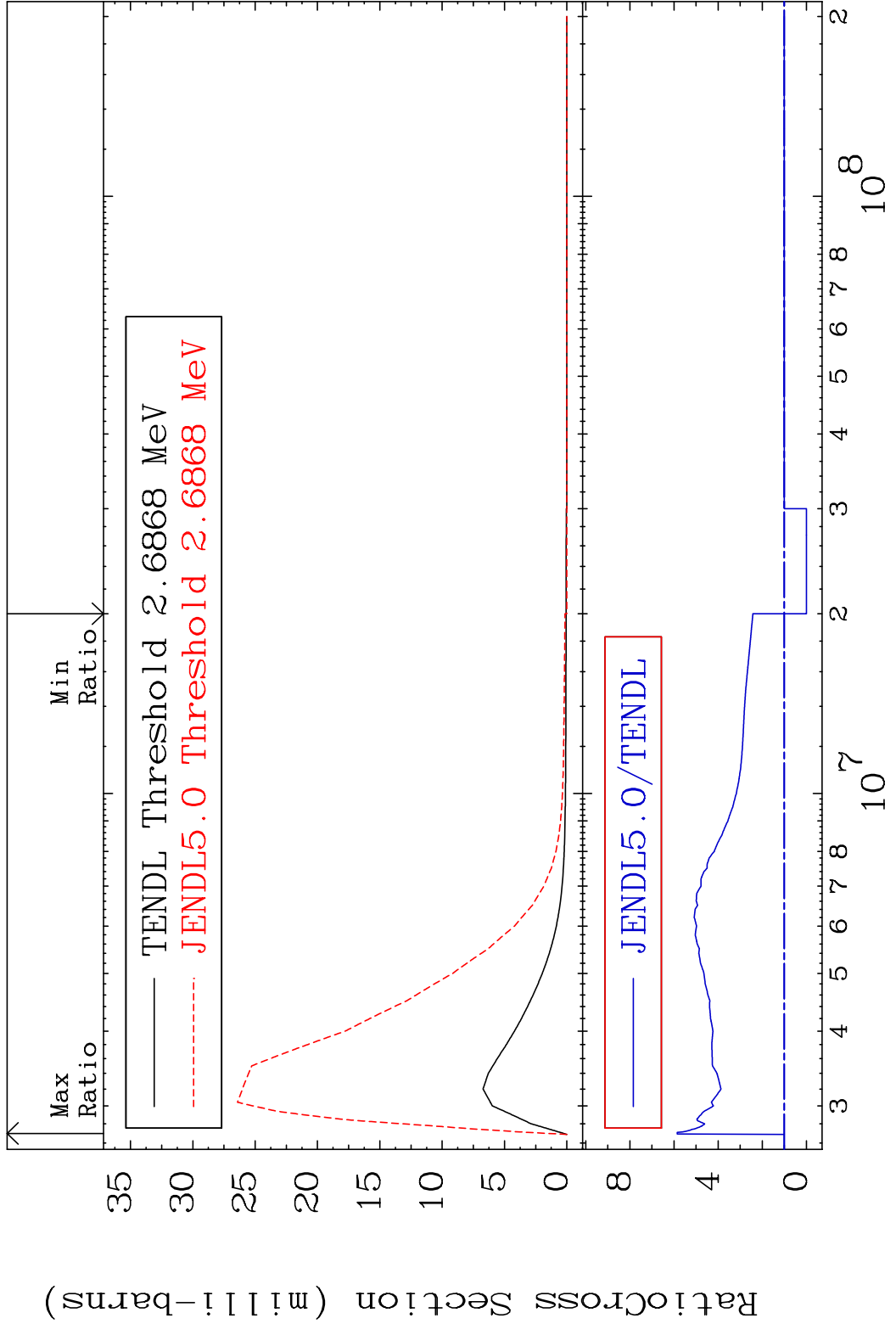


30 Incident Energy (eV) 38-Sr-87

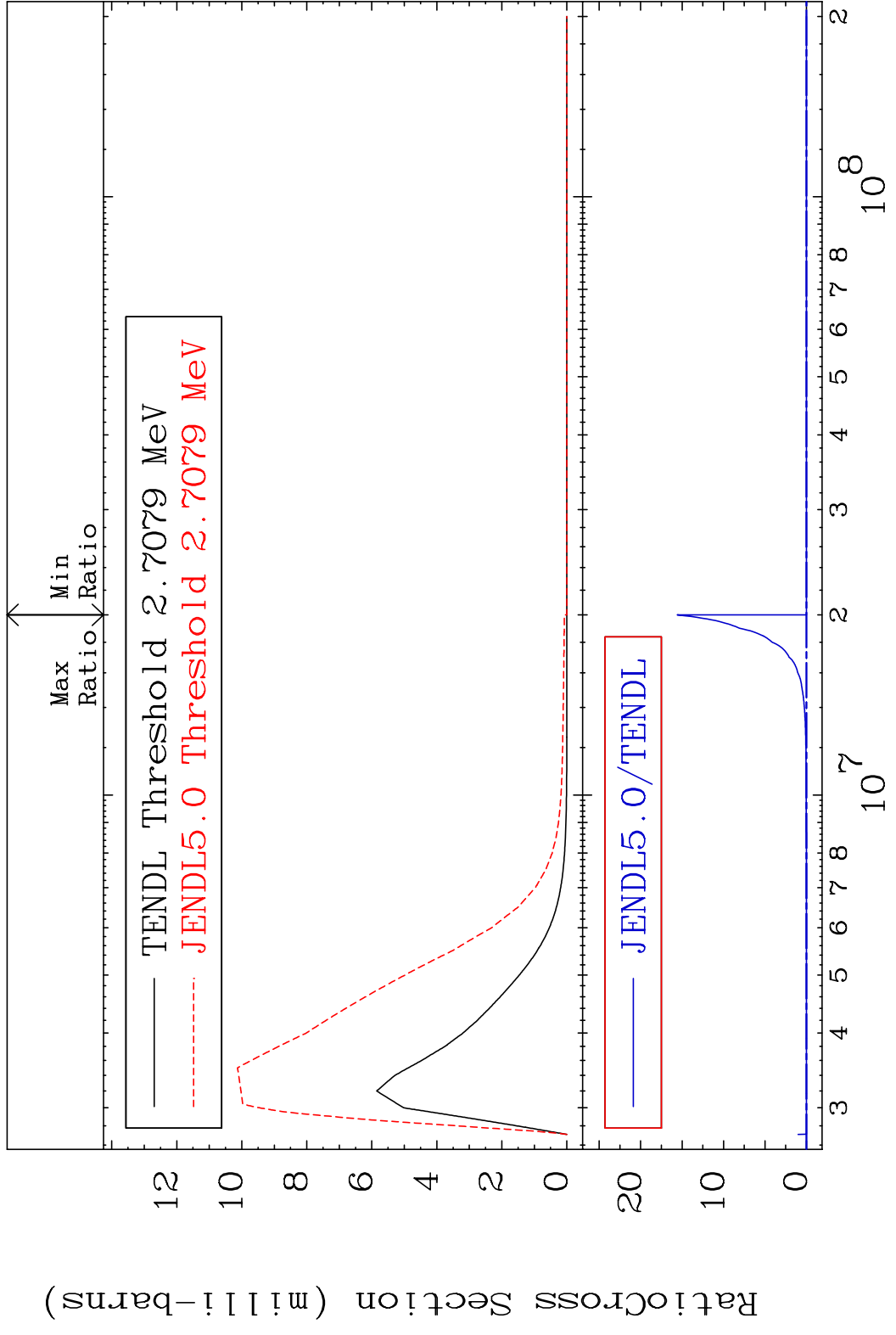
MAT 3834 MT= 73 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 9999. %



MAT 3834 MT= 74 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 485.4 %

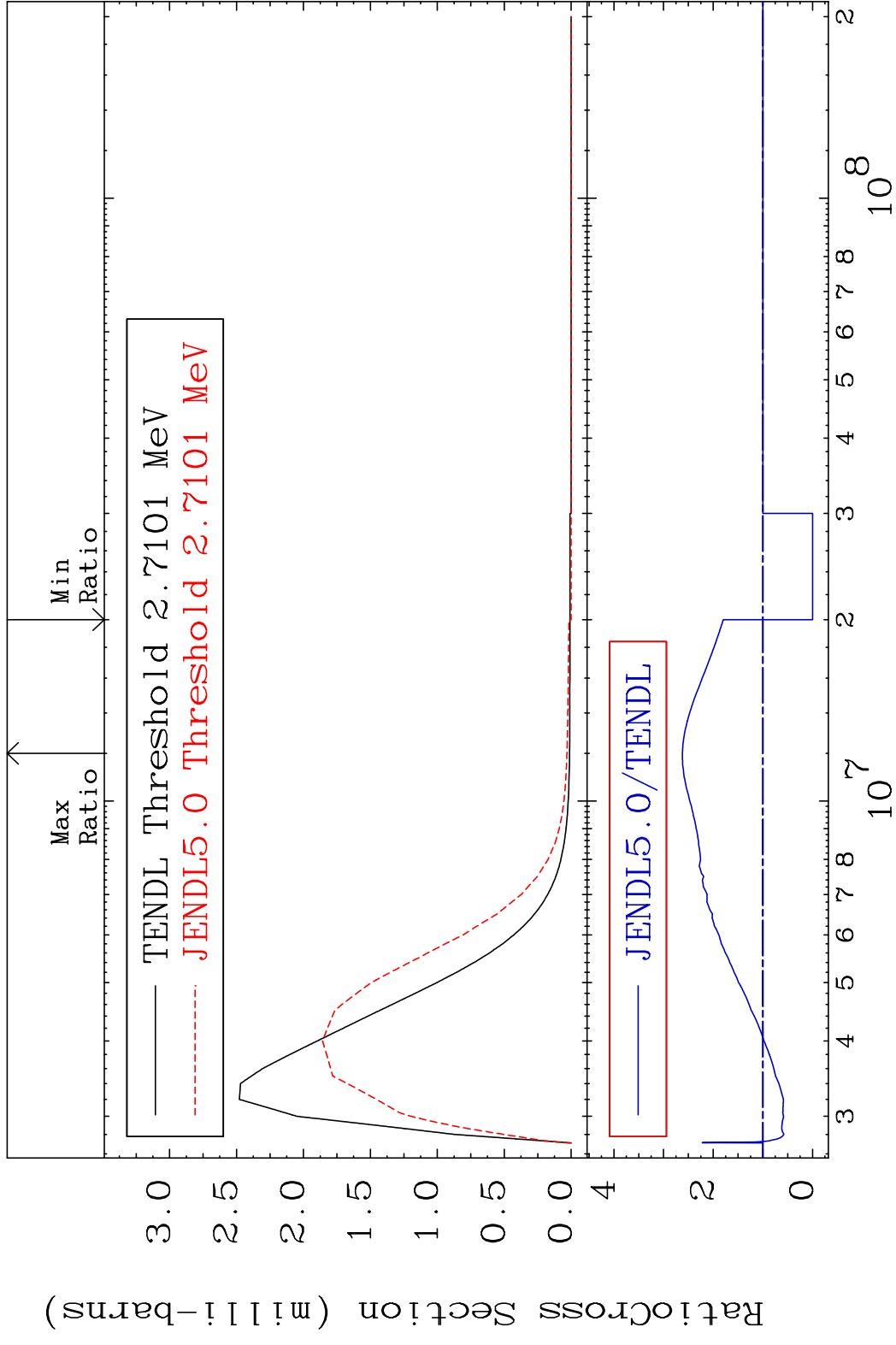


MAT 3834 MT= 75 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 9999. %

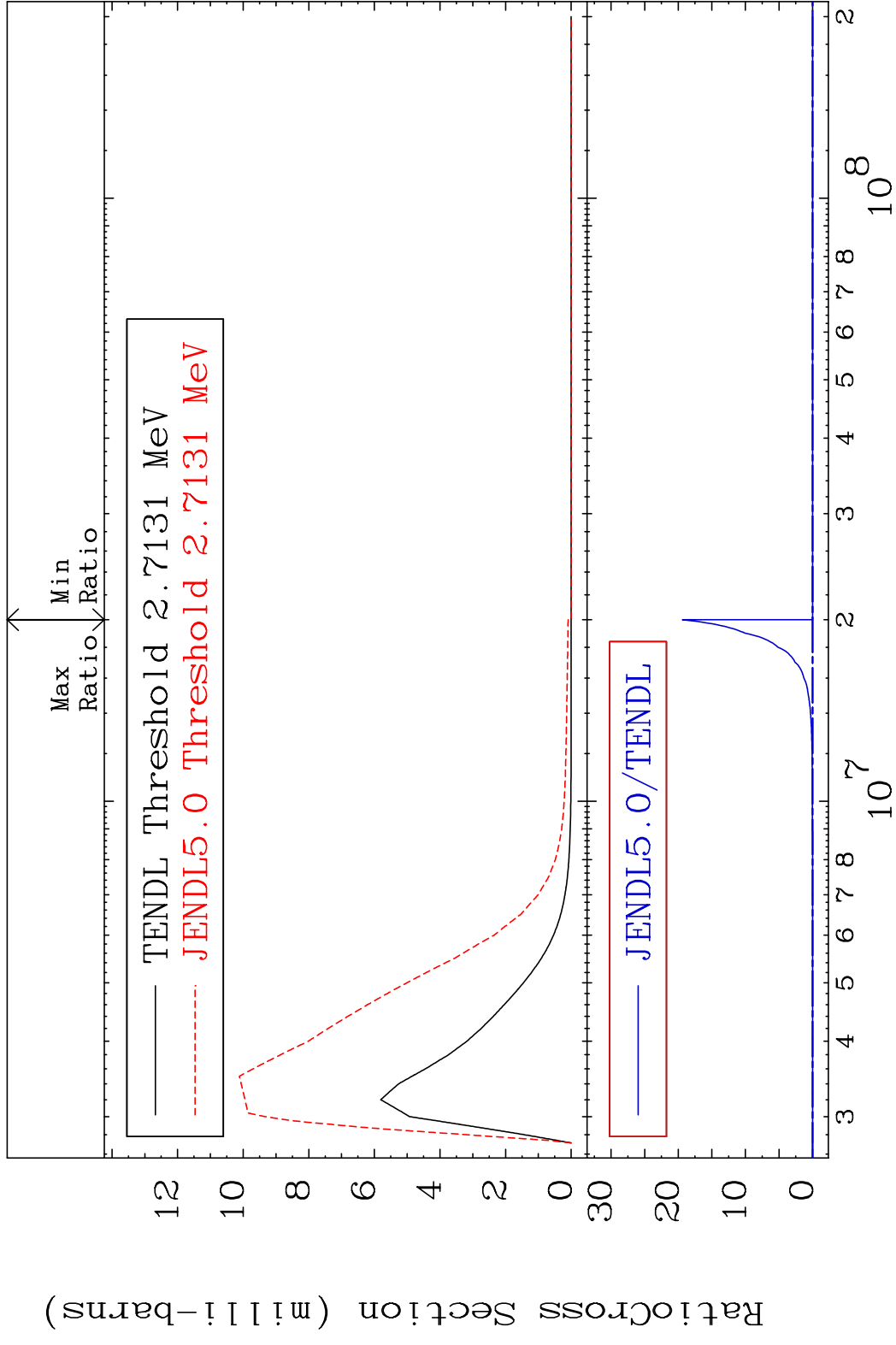


33 Incident Energy (eV) 38-Sr-87

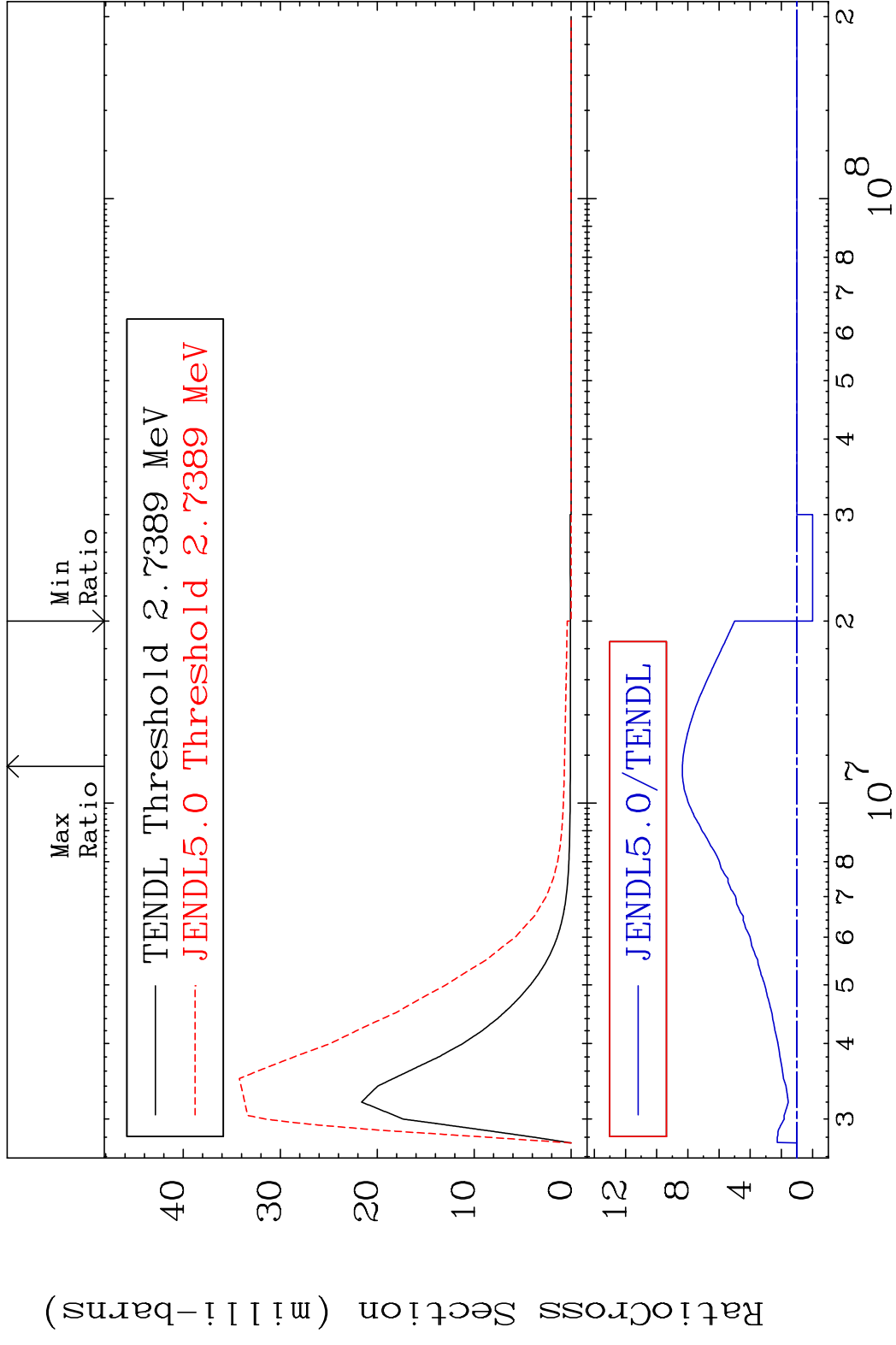
MAT 3834 MT= 76 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 162.2 %



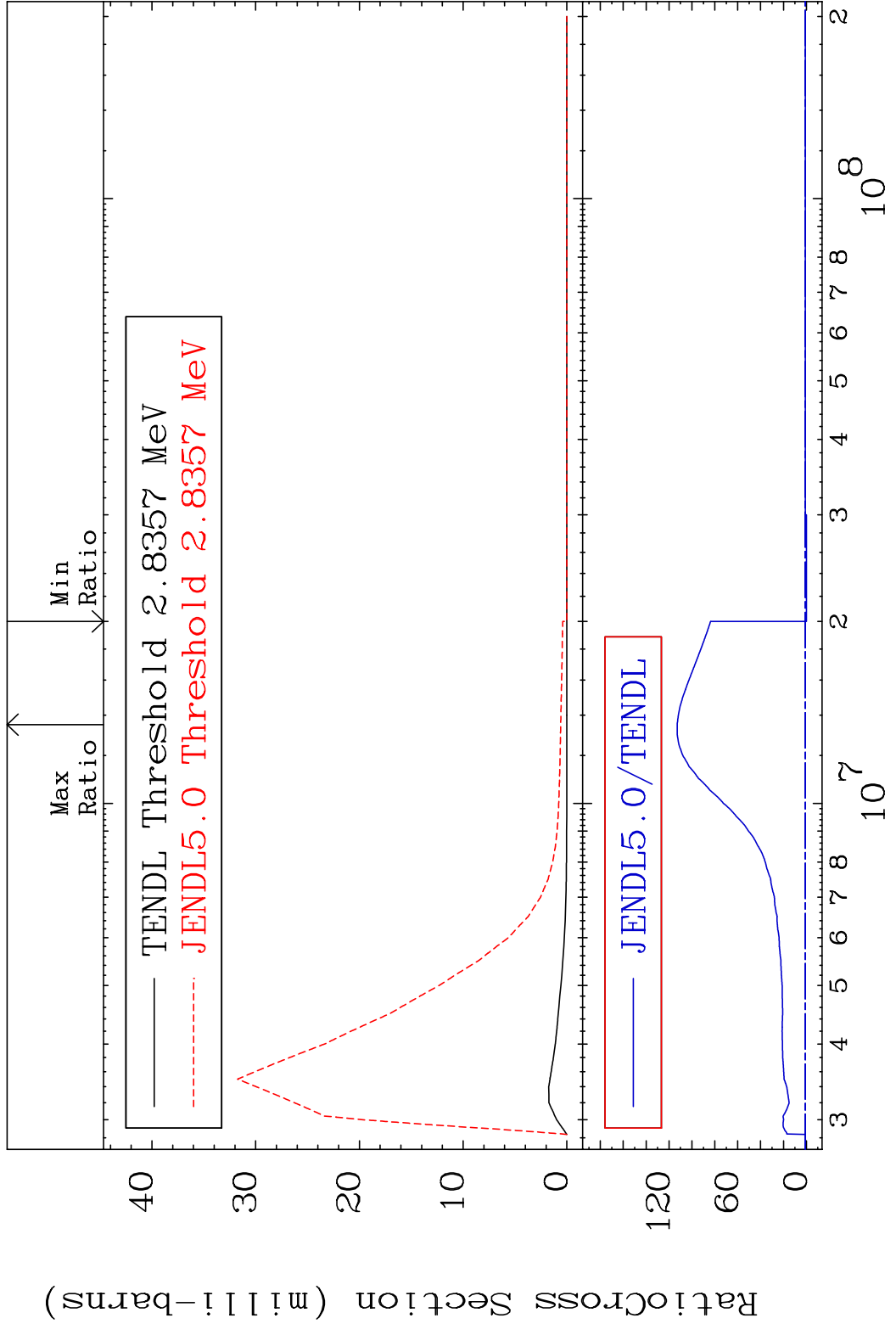
MAT 3834 MT= 77 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 9999. %



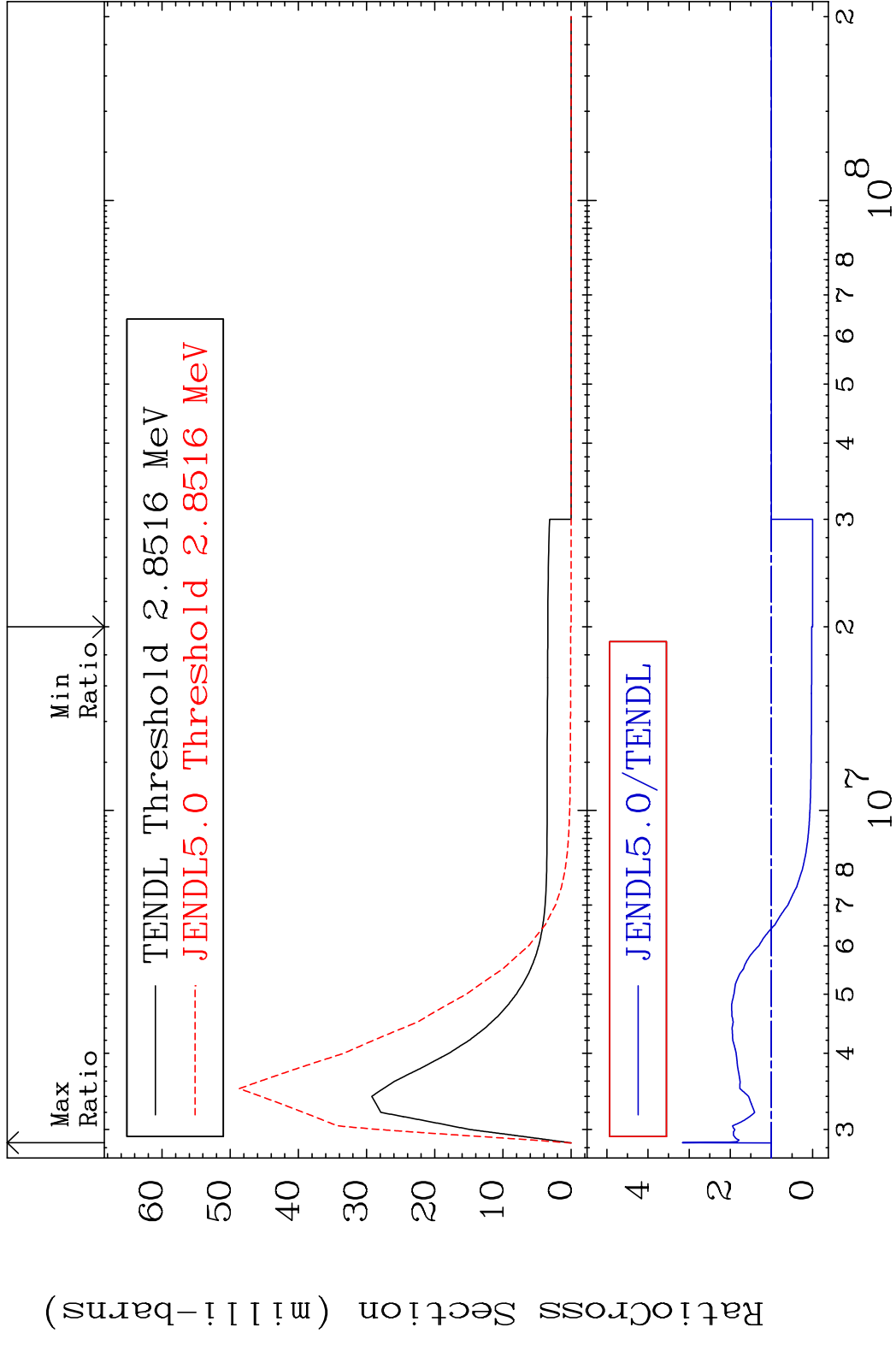
MAT 3834 MT= 78 (n, n') Level 38-Sr-87
 Cross Section -100.0 To 735.6 %



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 216.5 %



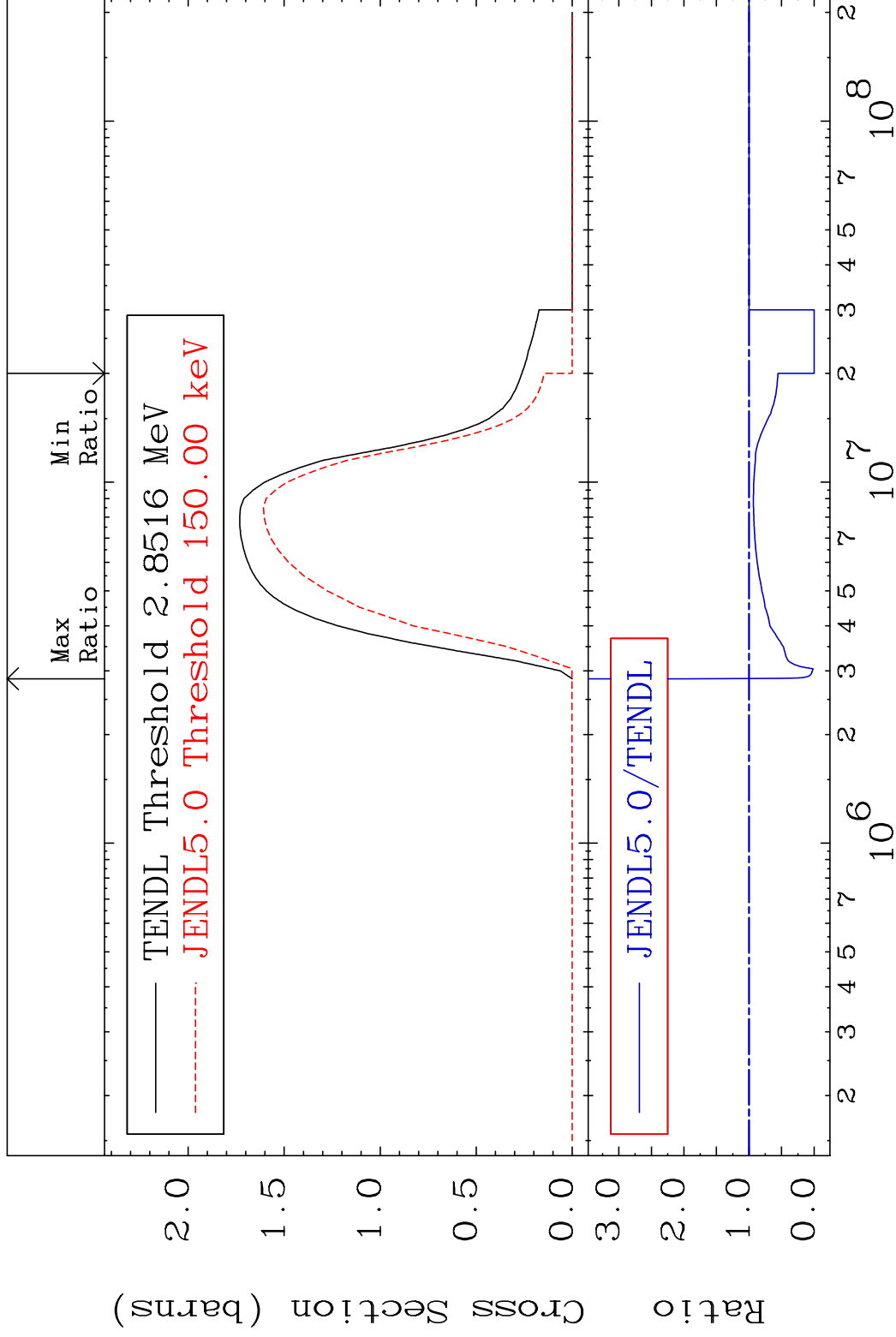
38 Incident Energy (eV) 38-Sr-87

MAT 3834

(n, n') Continuum

38-Sr-87

Cross Section -100.0 To 100.4 %



39

Incident Energy (eV)

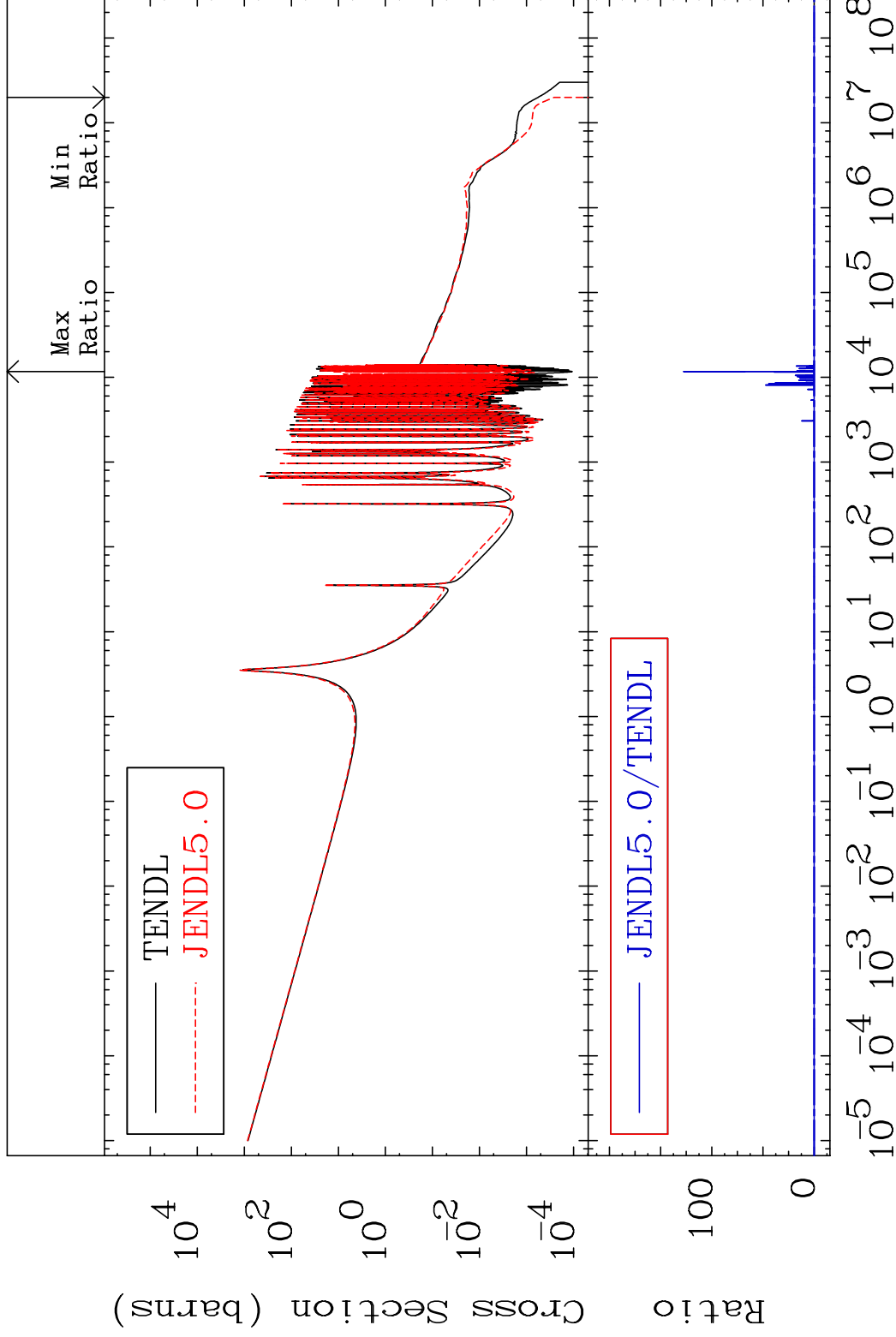
38-Sr-87

MAT 3834

(n, γ)

38-Sr-87

Cross Section -100.0 To 9999. %

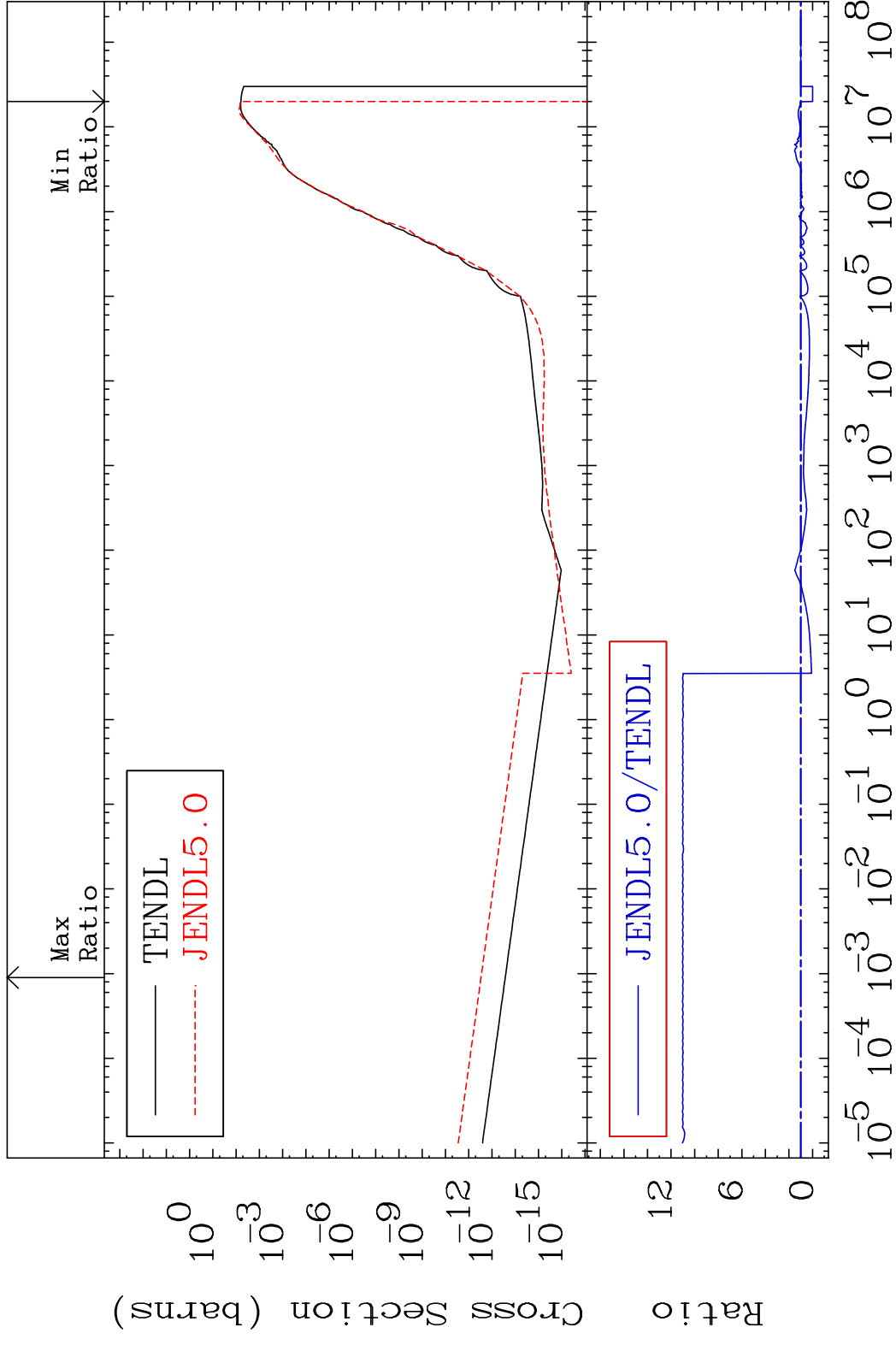


40

Incident Energy (eV)

38-Sr-87

MAT 3834 (n,p) 38-Sr-87
 Cross Section -100.0 To 1005. %



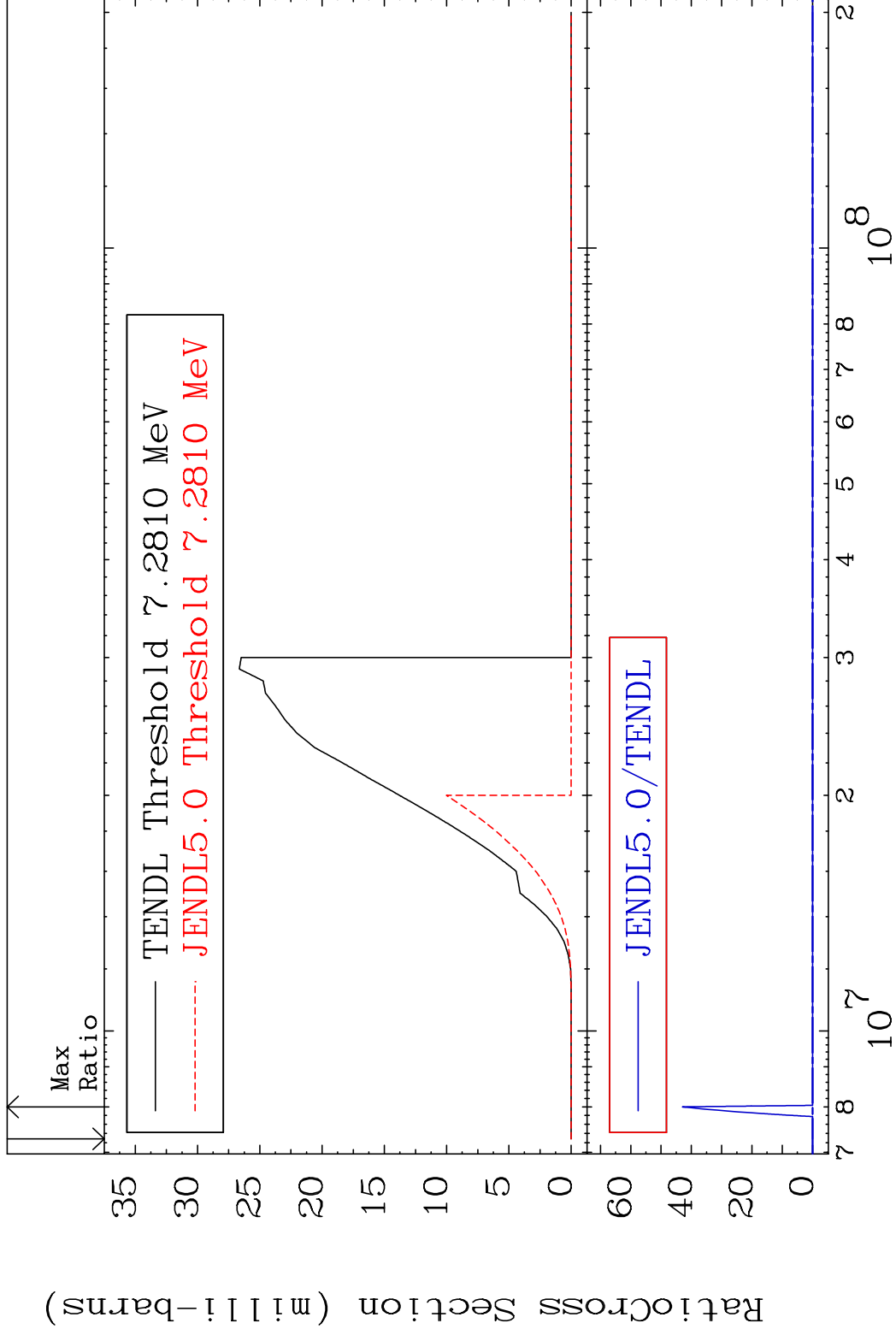
41 Incident Energy (eV) 38-Sr-87

MAT 3834

(n,d)

38-Sr-87

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

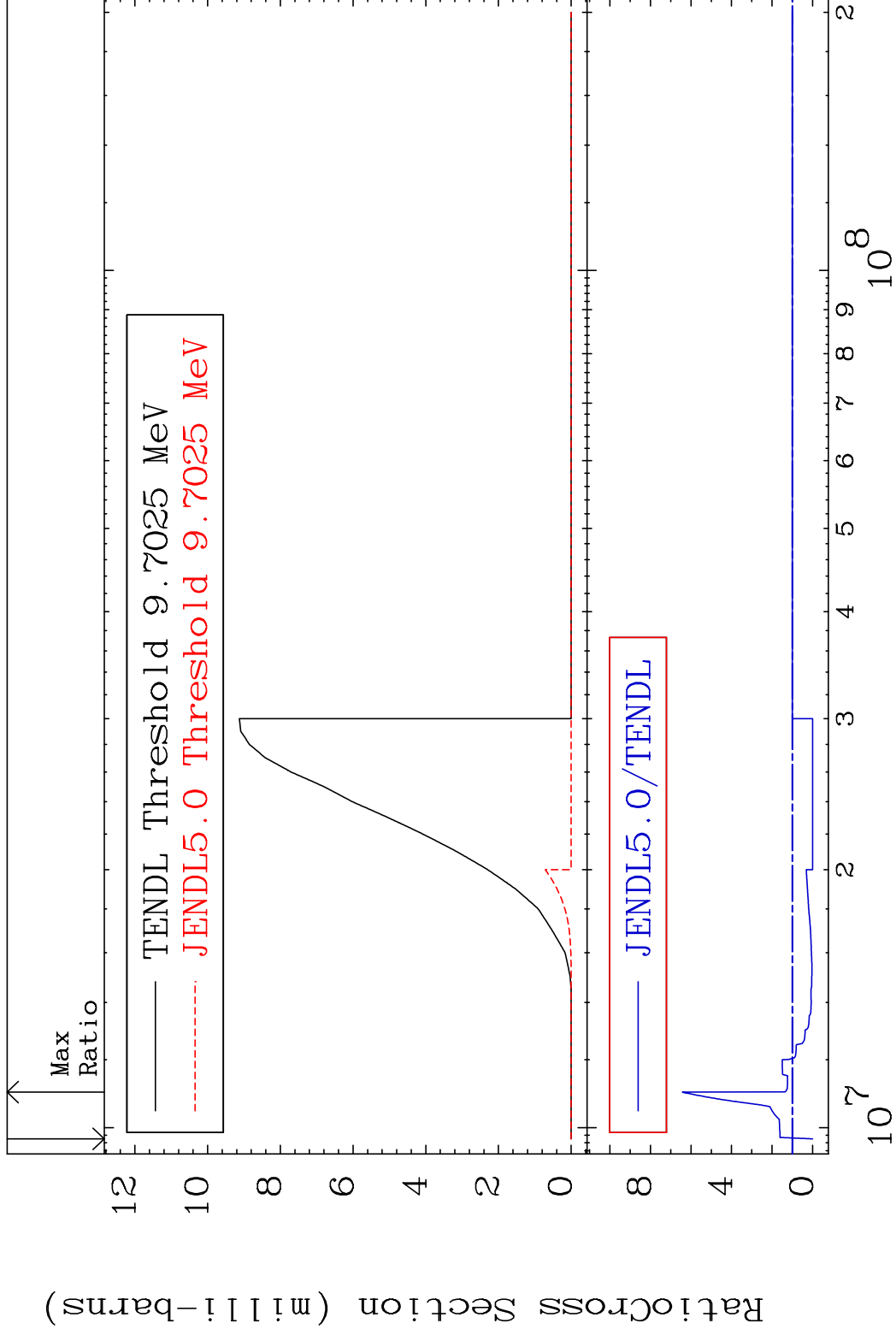
38-Sr-87

MAT 3834

(n, t)

38-Sr-87

Cross Section -100.0 To 542.5 %



43

Incident Energy (eV)

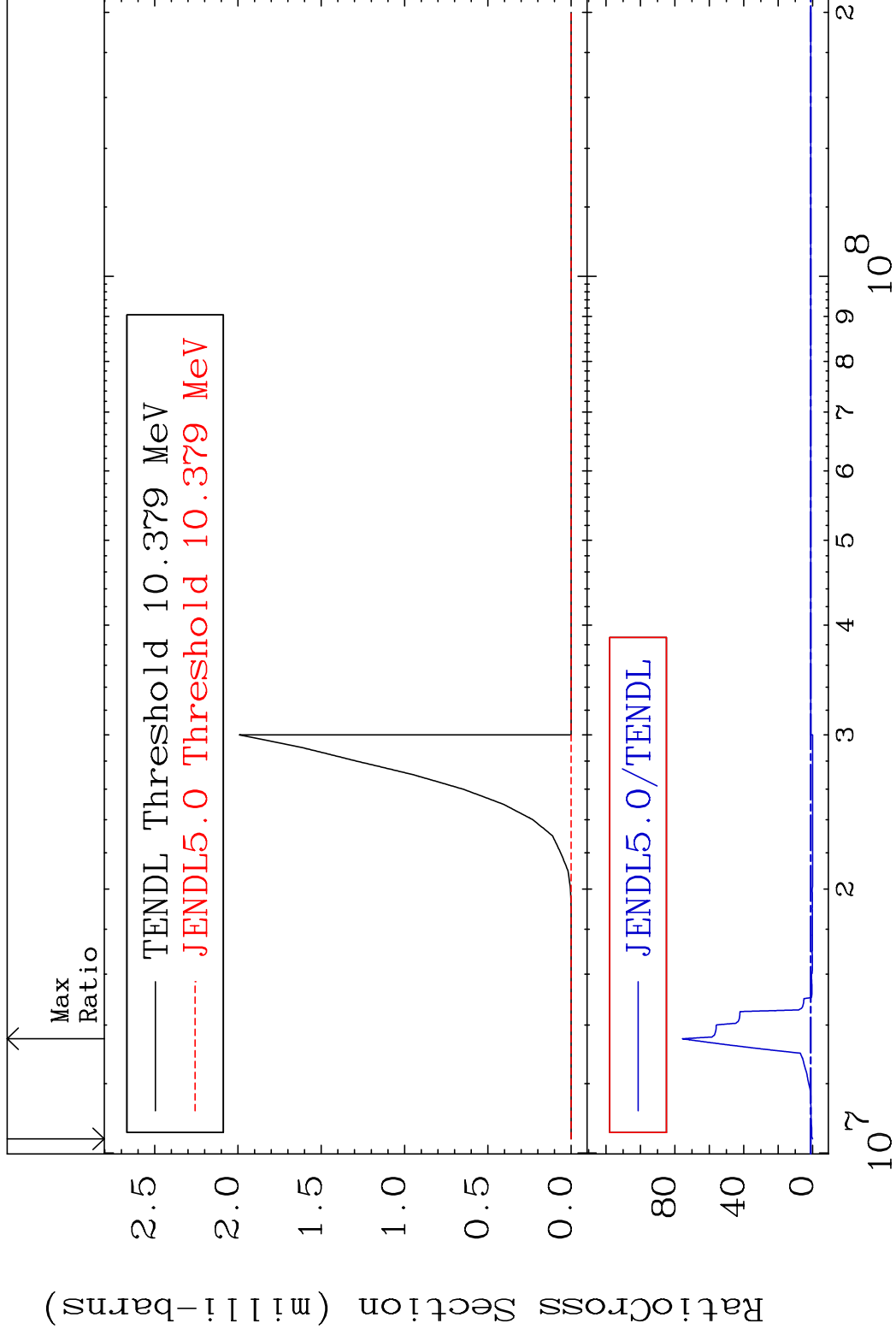
38-Sr-87

MAT 3834

(n, He-3)

38-Sr-87

Cross Section -100.0 To 7462. %



44

Incident Energy (eV)

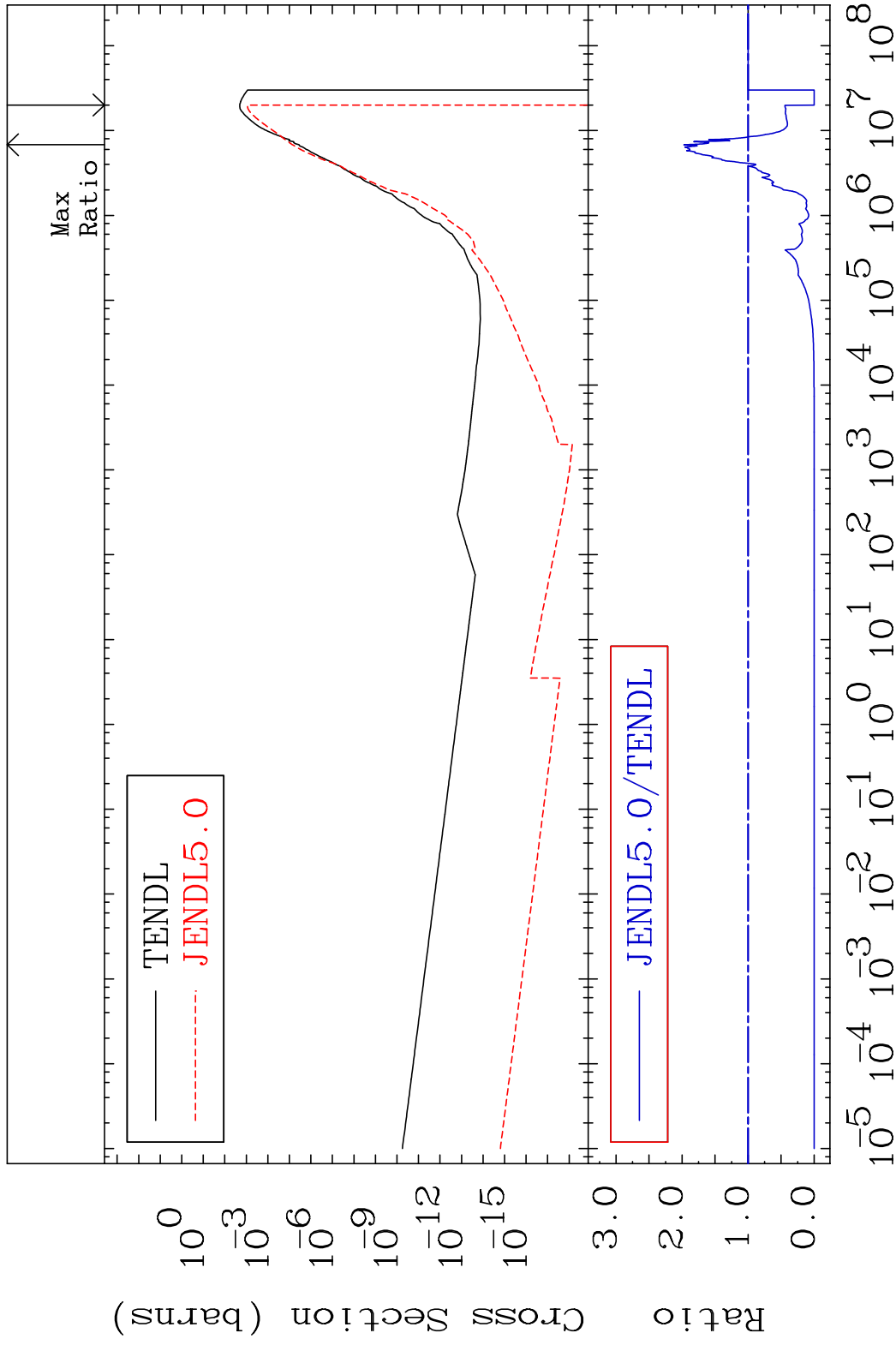
38-Sr-87

MAT 3834

(n, α)

38-Sr-87

Cross Section -100.0 To 97.58 %



45

Incident Energy (eV)

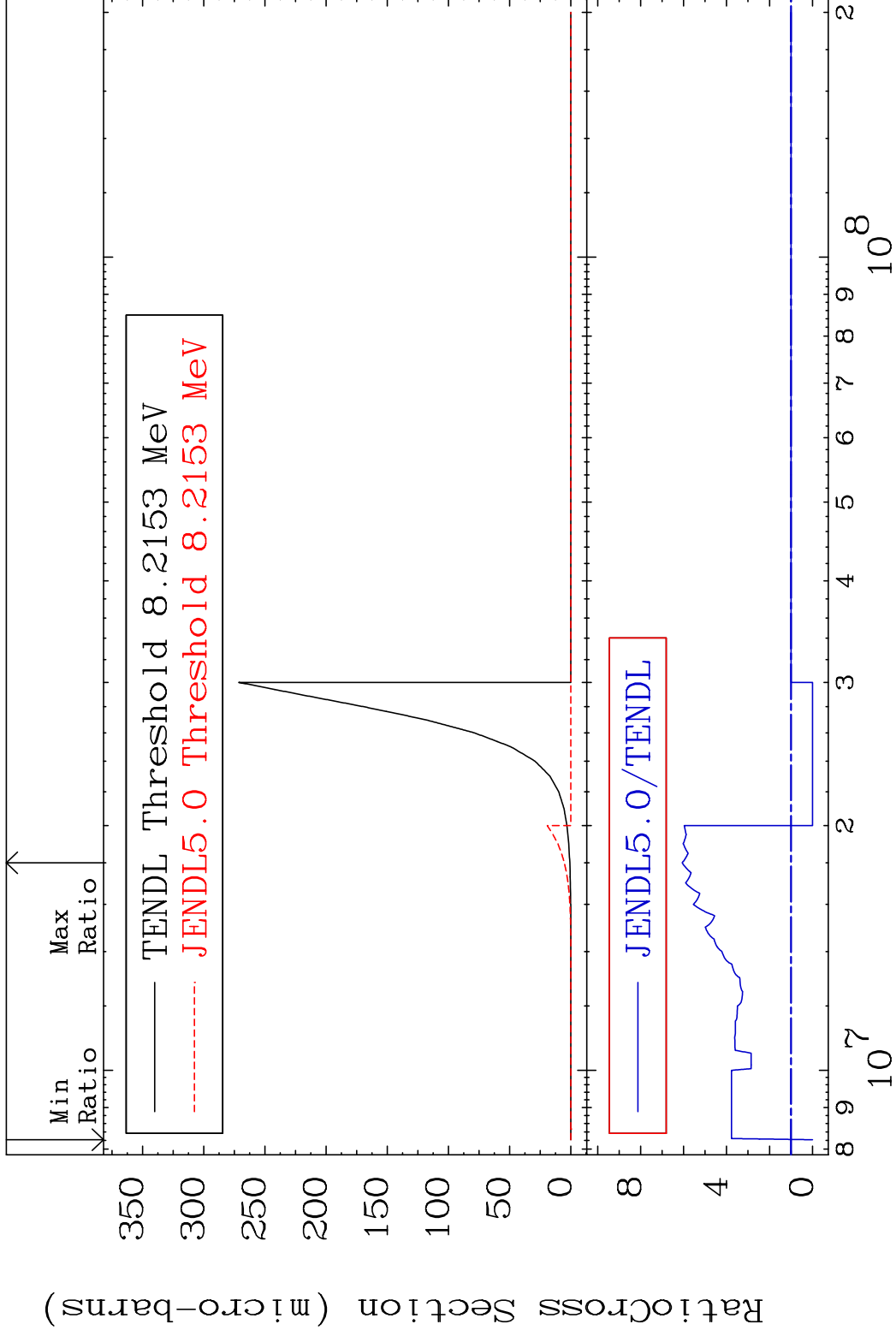
38-Sr-87

MAT 3834

(n,2p)

38-Sr-87

Cross Section -100.0 To 506.7 %

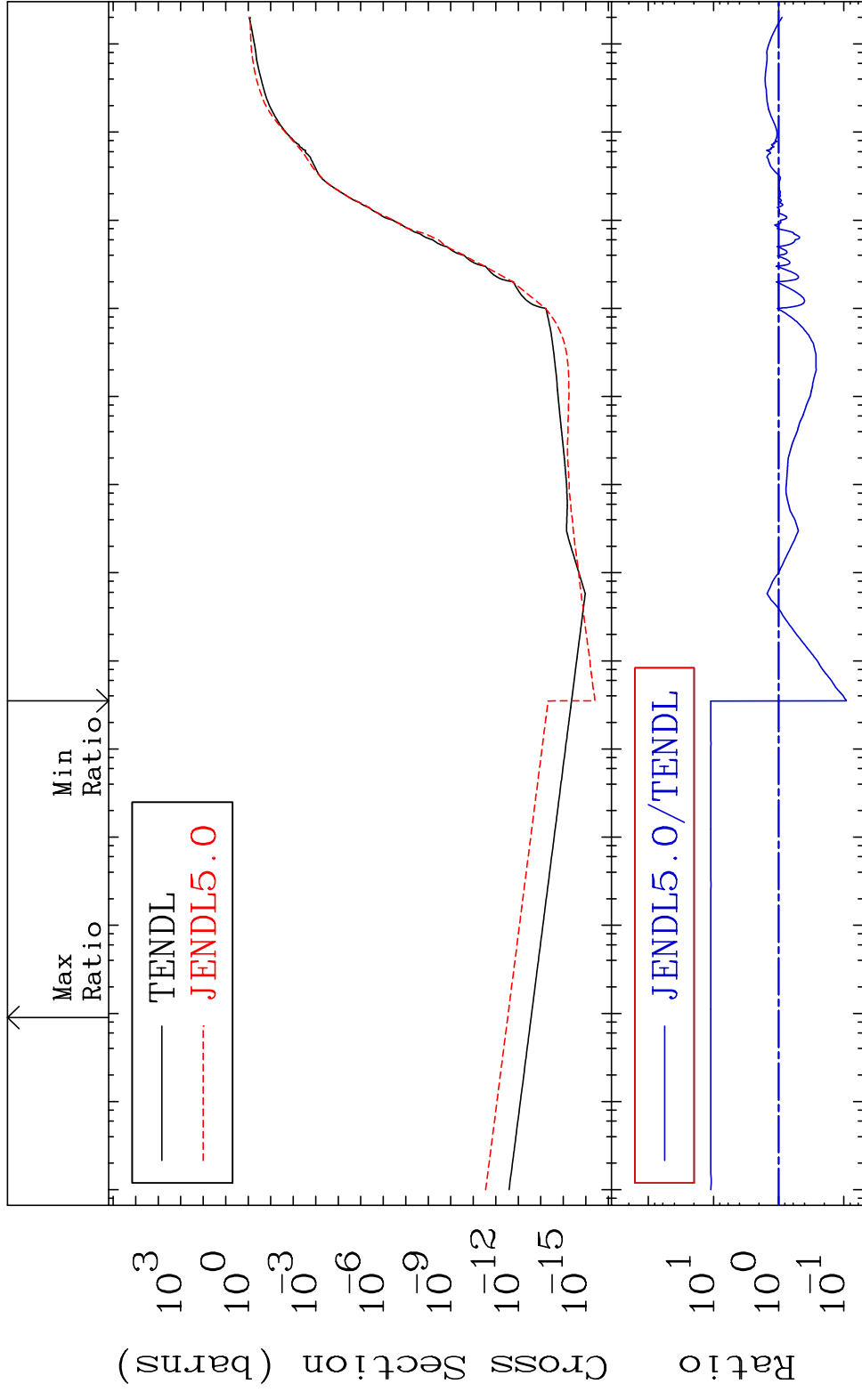


46

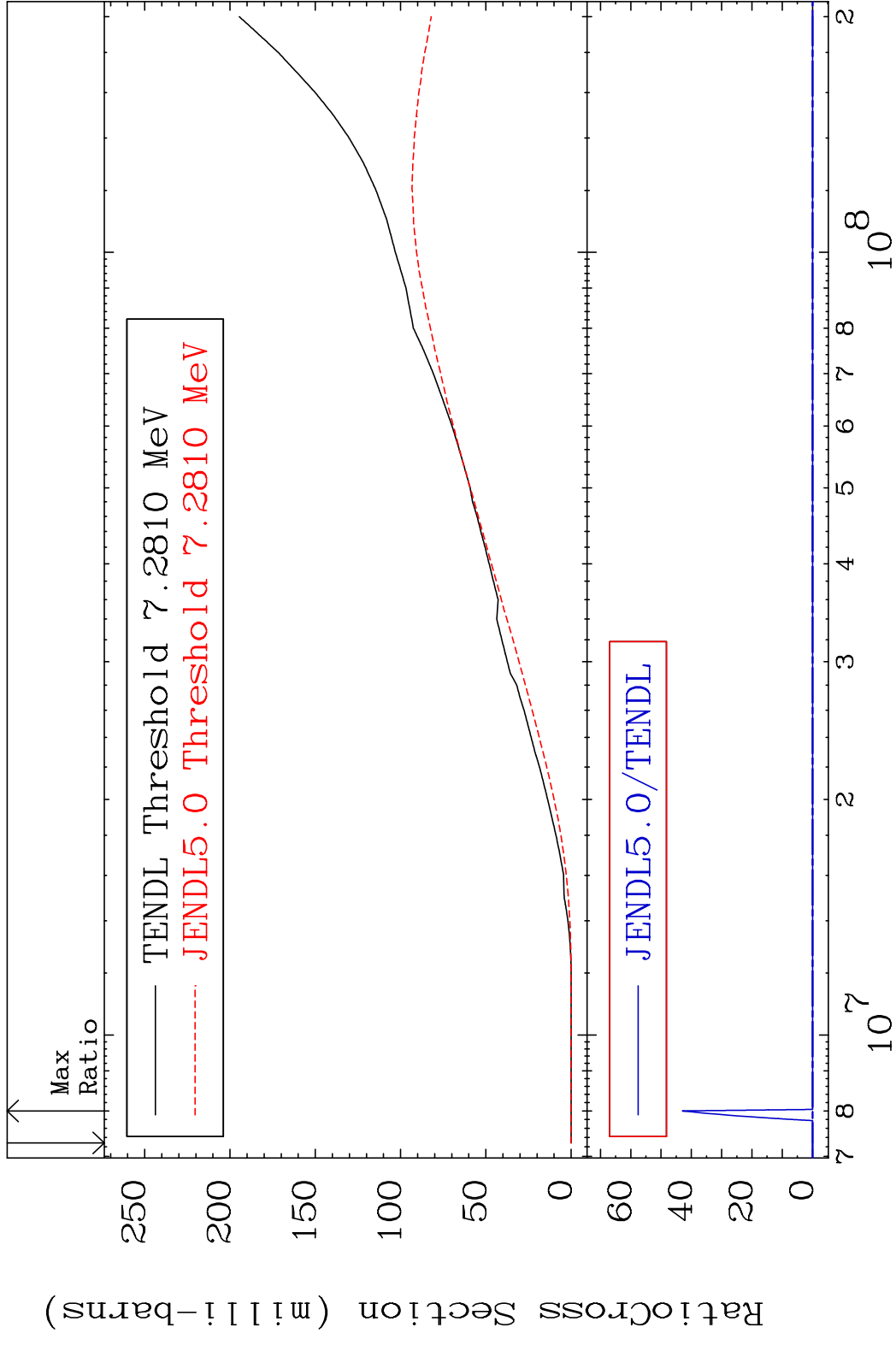
Incident Energy (eV)

38-Sr-87

MAT 3834 Hydrogen Production 38-Sr-87
 Cross Section -90.85 To 1005. %

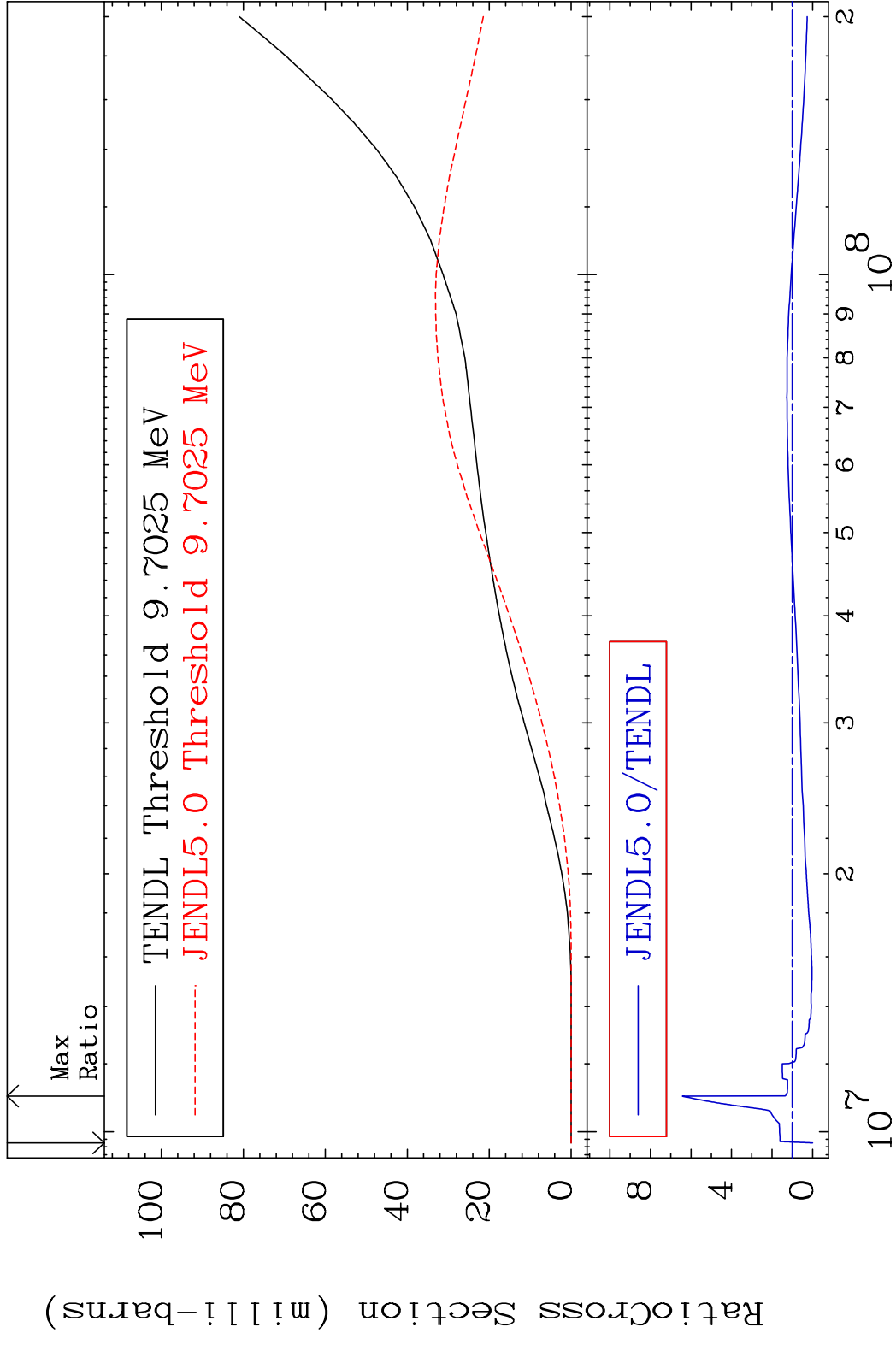


MAT 3834 Deuterium Production 38-Sr-87
 Cross Section -100.0 To 9999. %



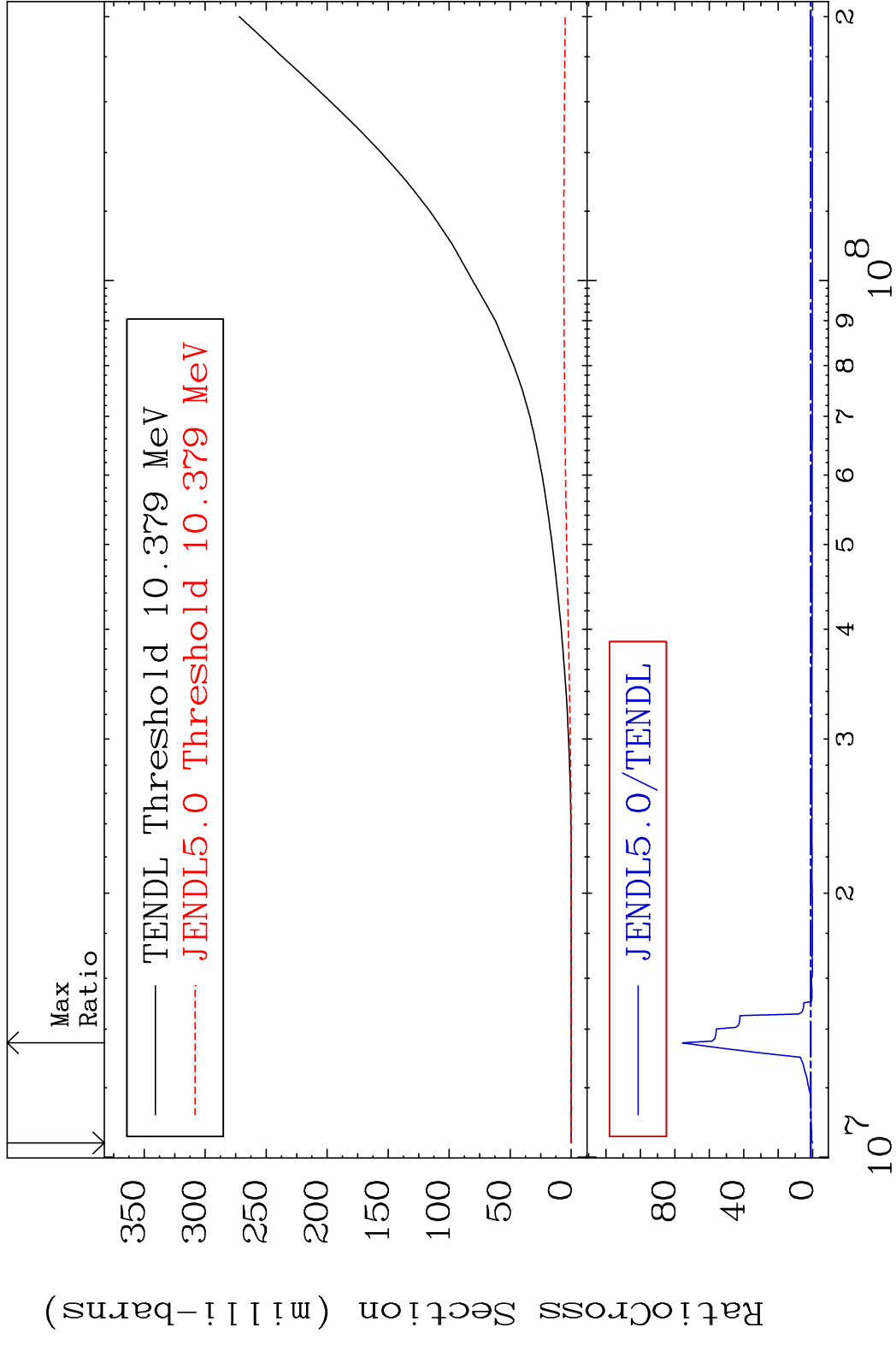
48 38-Sr-87

MAT 3834 Tritium Production 38-Sr-87
 Cross Section -100.0 To 542.5 %



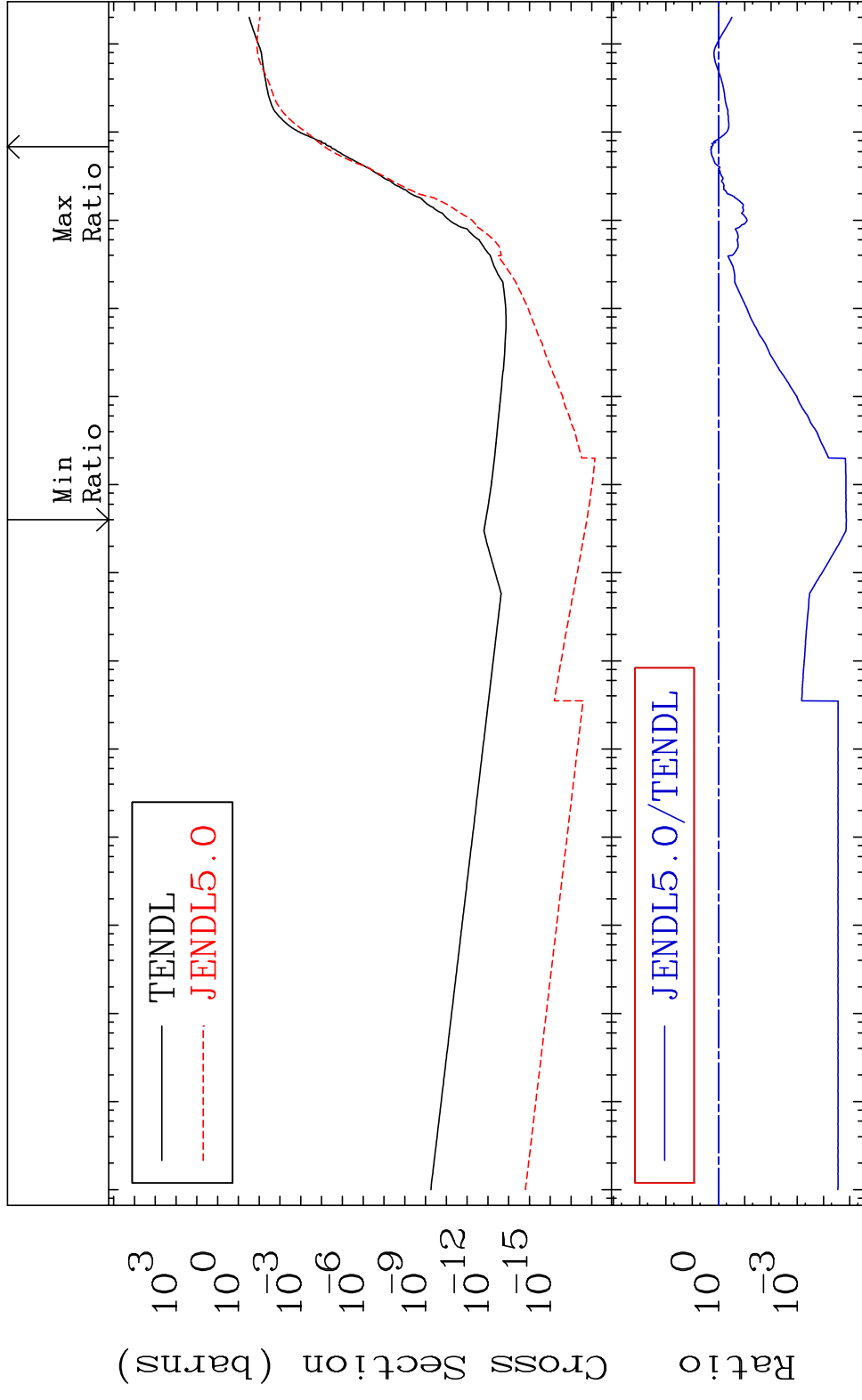
49 Incident Energy (eV) 38-Sr-87

MAT 3834 He-3 Production 38-Sr-87
 Cross Section -100.0 To 7462. %



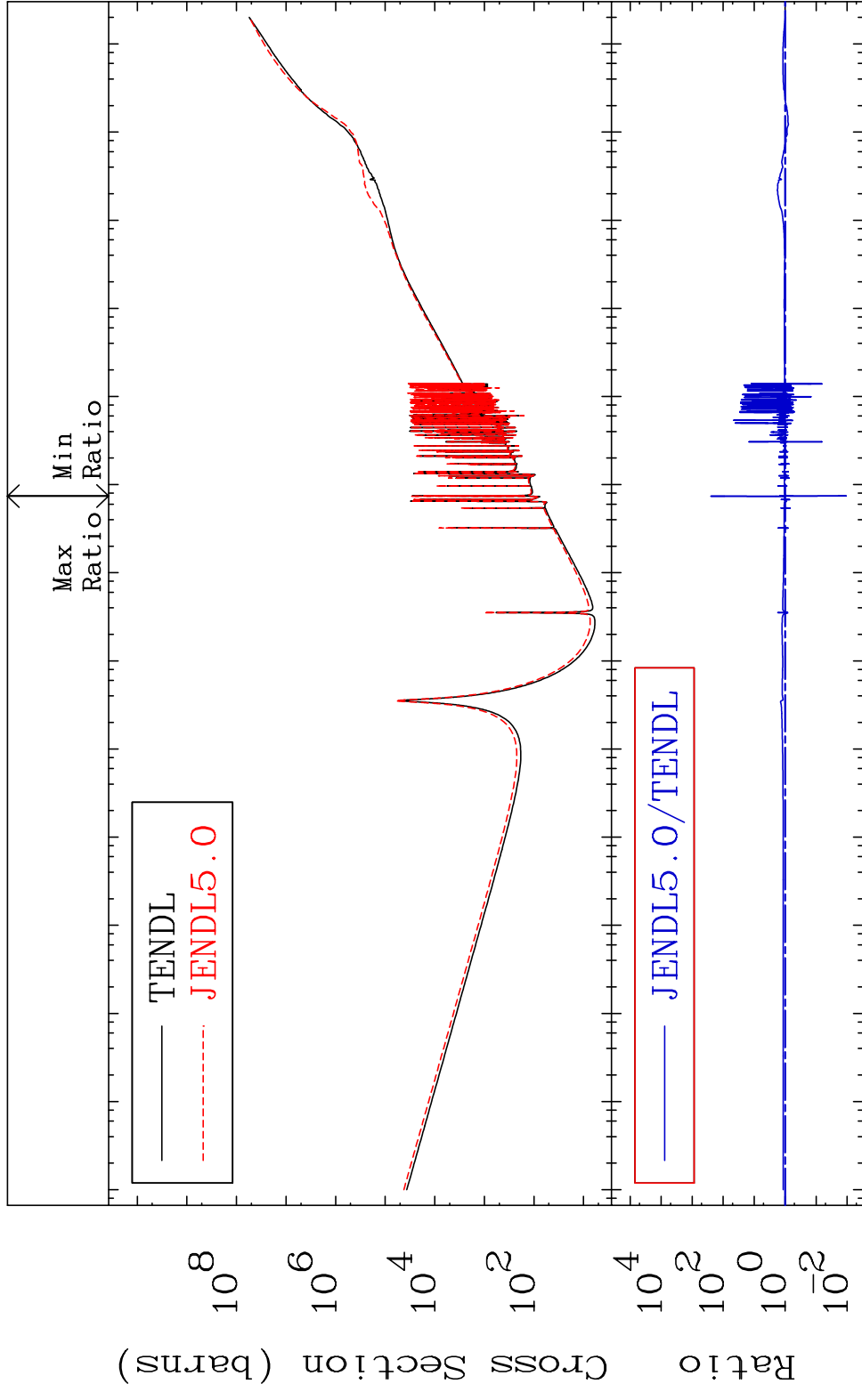
50 Incident Energy (eV) 38-Sr-87

MAT 3834 He-4 Production 38-Sr-87
 Cross Section -100.0 To 97.58 %



51 Incident Energy (eV) 38-Sr-87

MAT 3834 Kerma total (eV-barns) 38-Sr-87
 Cross Section -98.94 To 9999. %

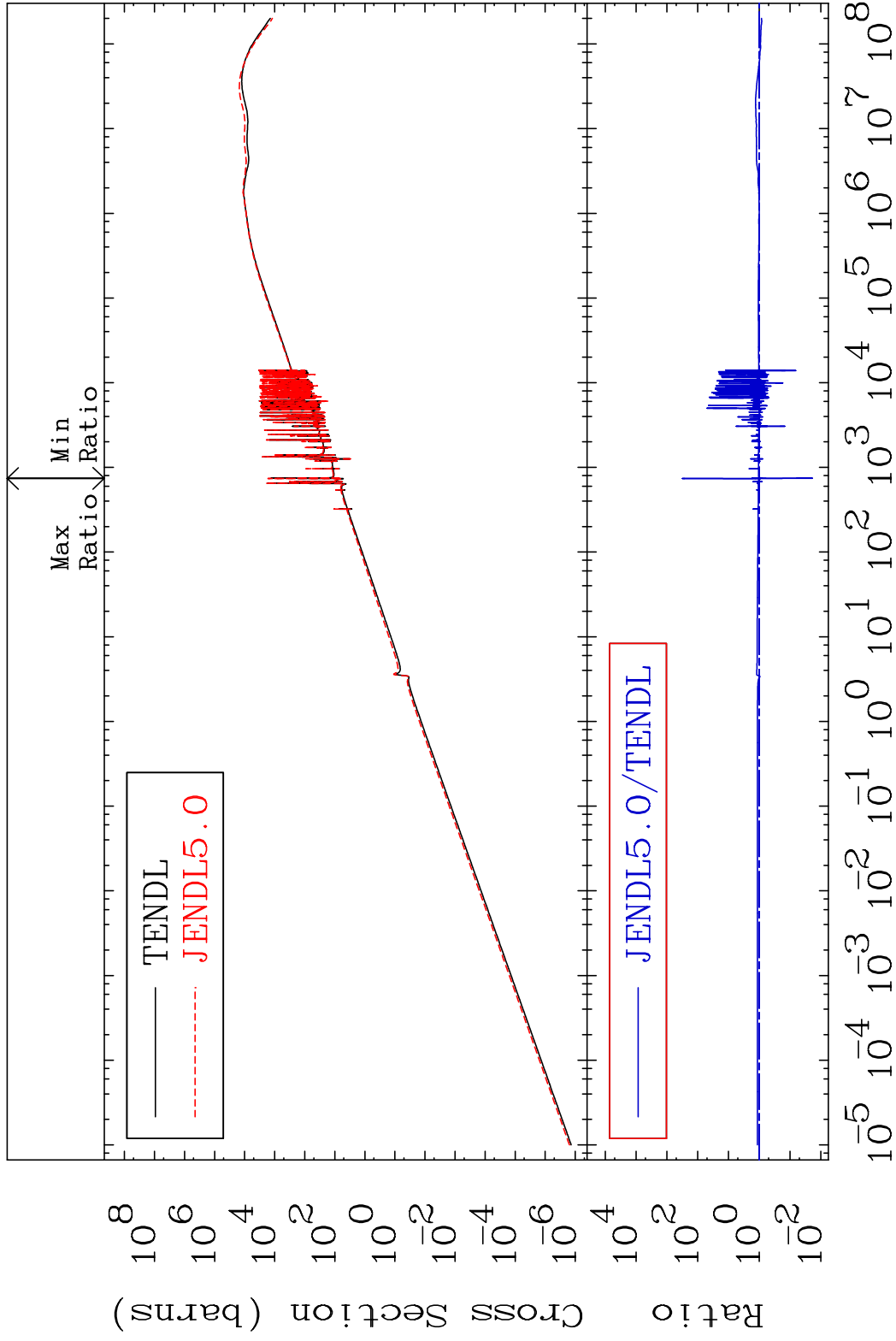


MAT 3834

Kerma elastic

38-Sr-87

Cross Section -98.14 To 9999. %

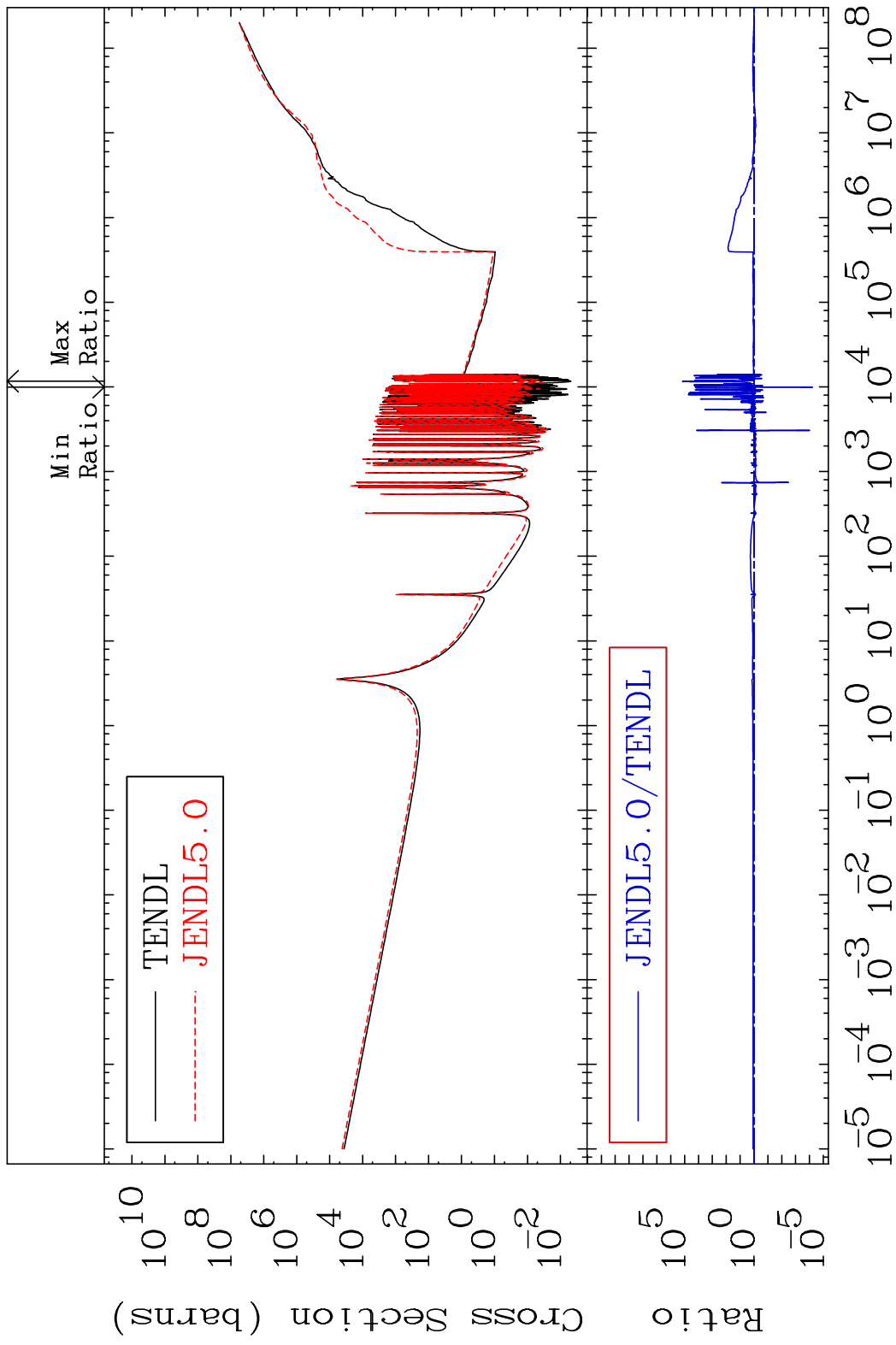


53

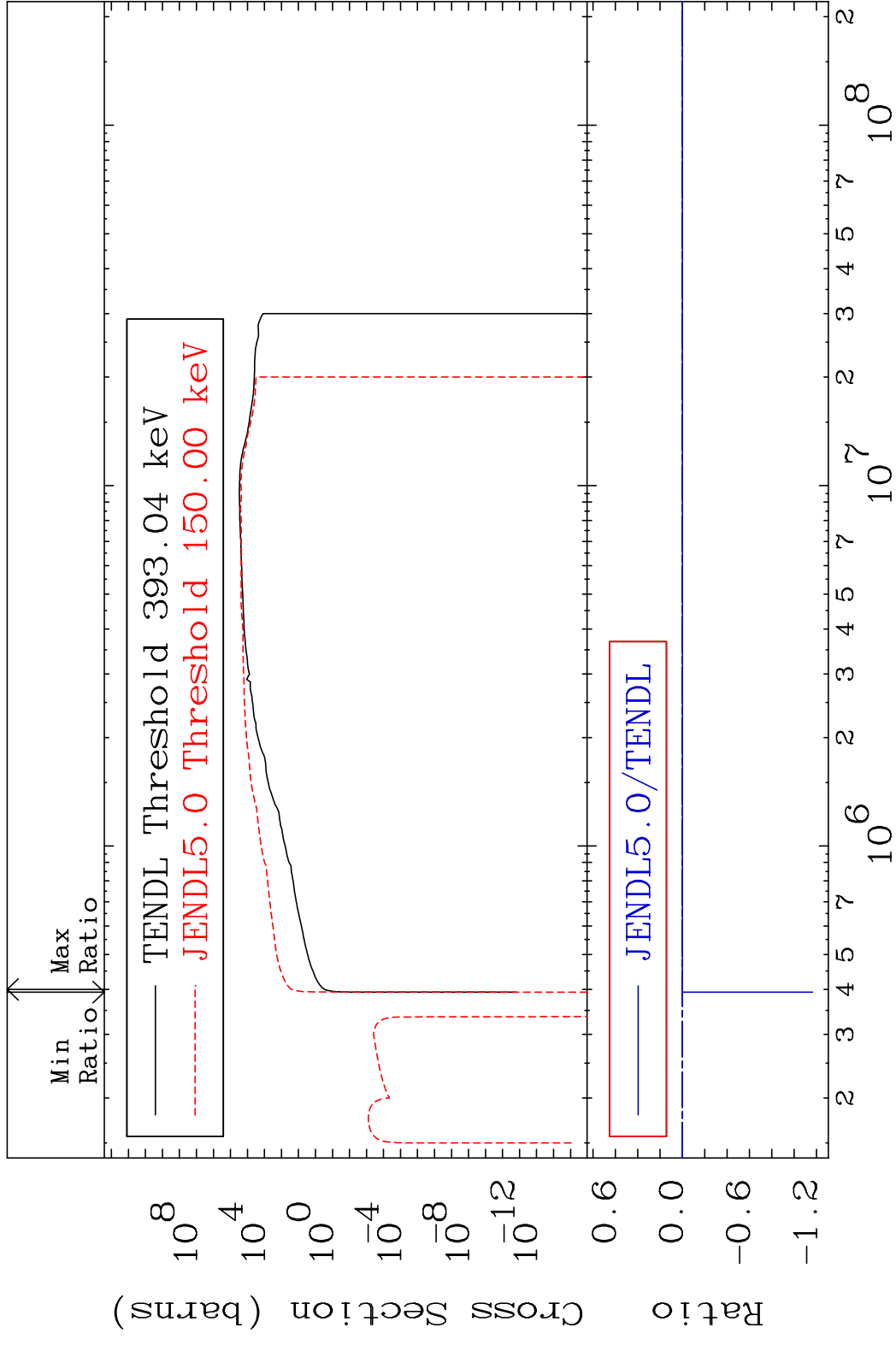
Incident Energy (eV)

38-Sr-87

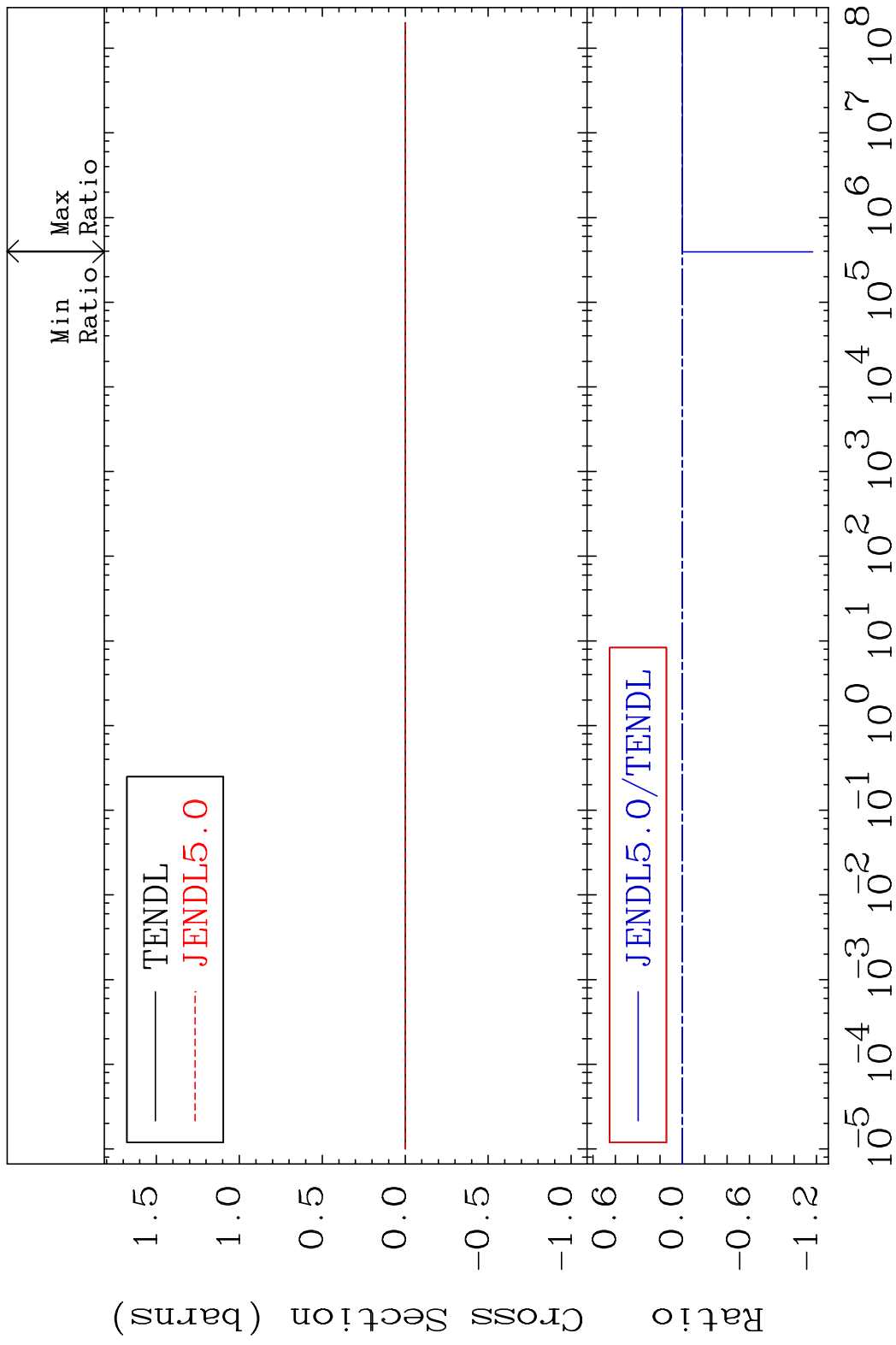
MAT 3834 Kerma non-elastic (all but mt2) 38-Sr-87
 Cross Section -99.99 To 9999. %



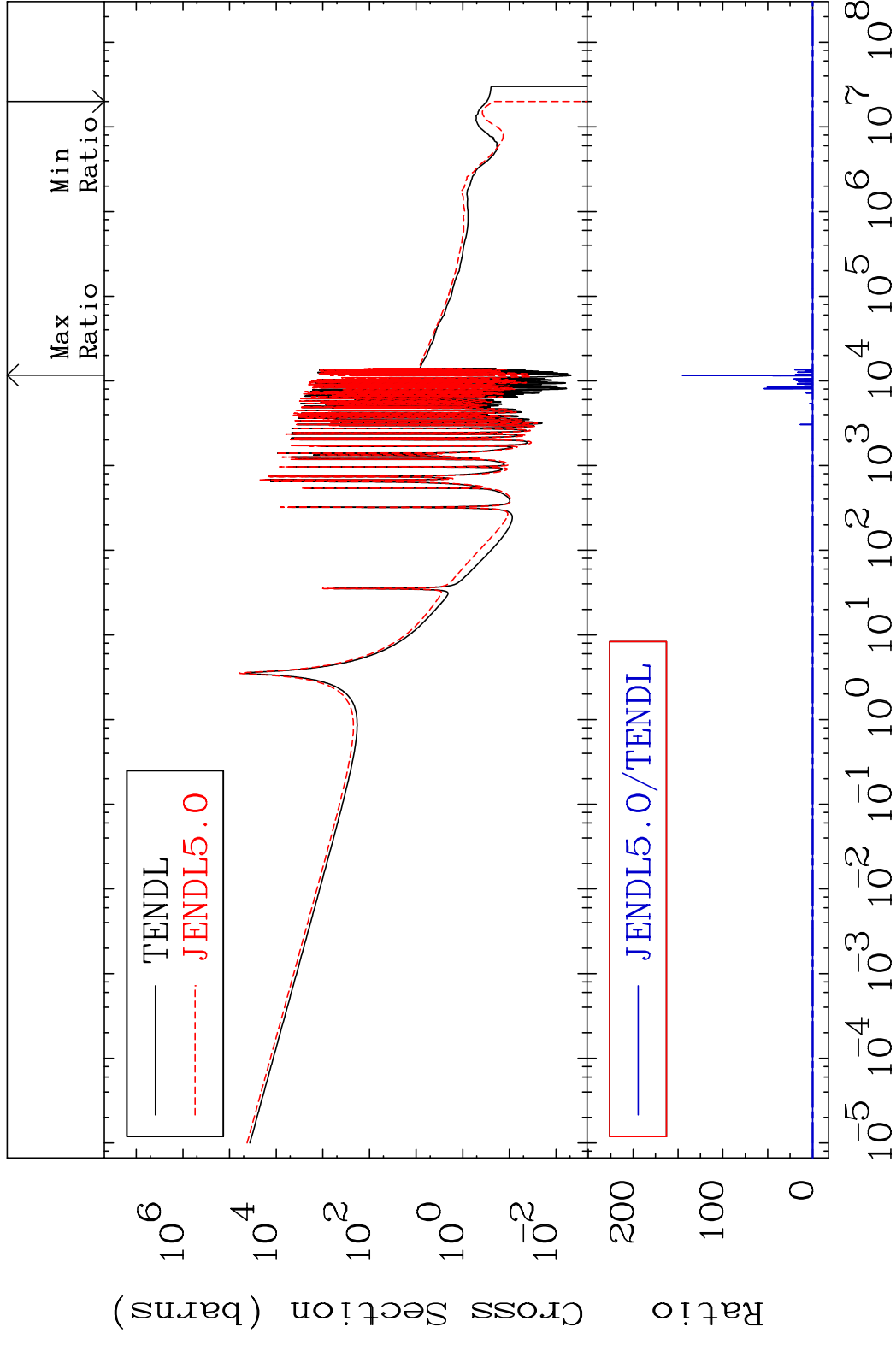
MAT 3834 Kerma inelastic (mt51-91) 38-Sr-87
 Cross Section -9999. To 8497. %



MAT 3834 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-87
 Cross Section -9999. To 8497. %

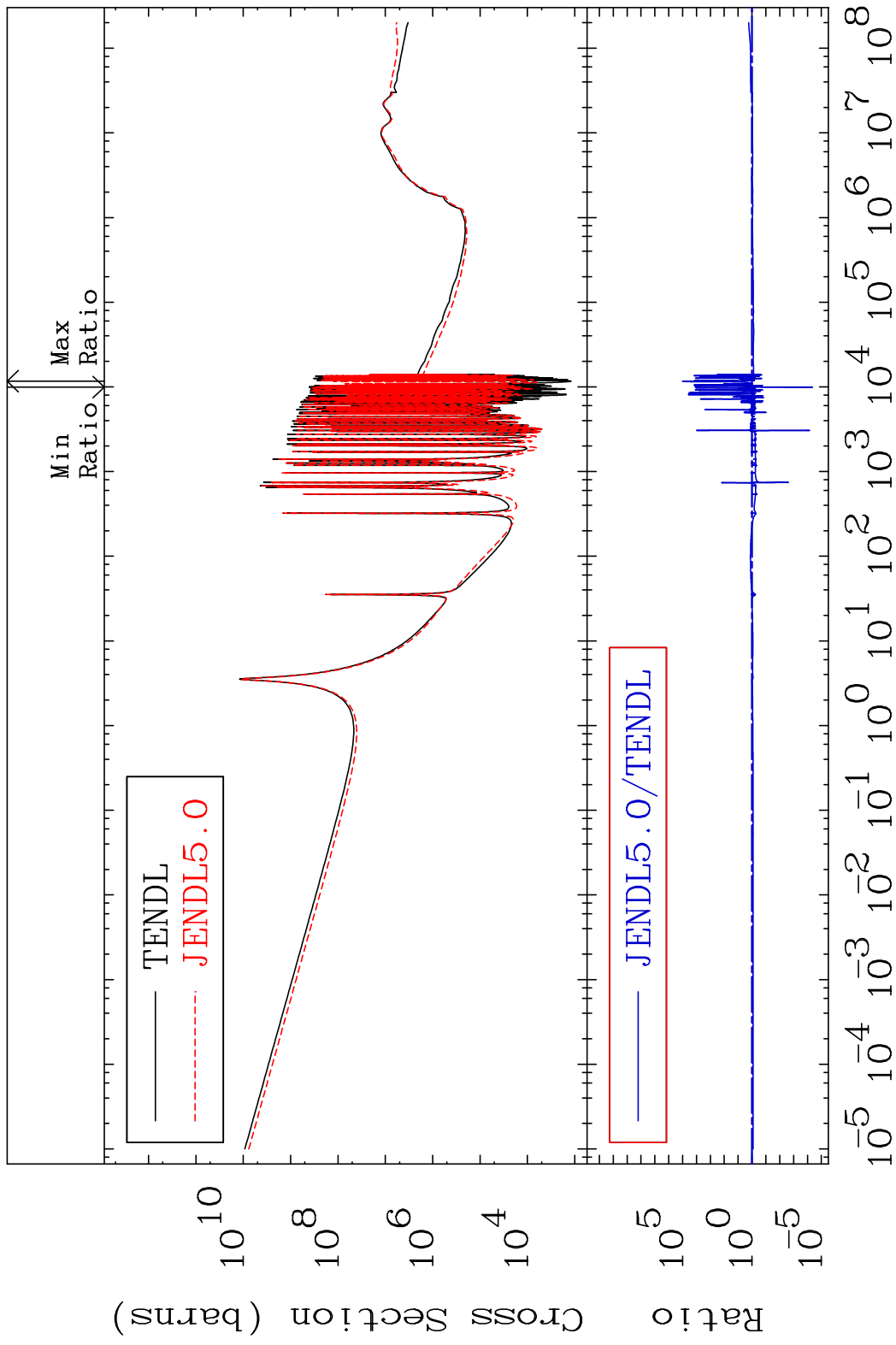


MAT 3834 Kerma capture (mt102) 38-Sr-87
 Cross Section -100.0 To 9999. %

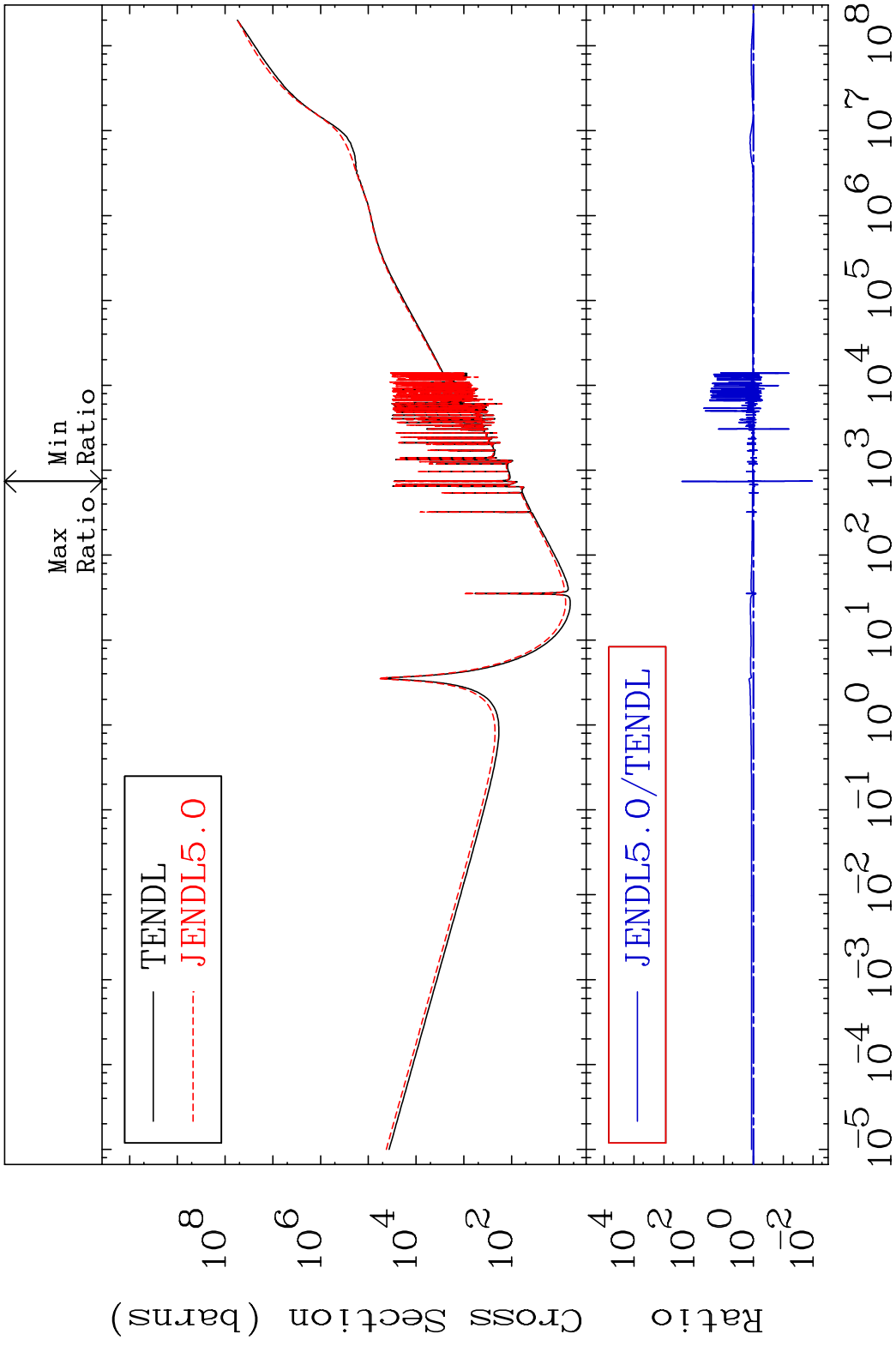


57 Incident Energy (eV) 38-Sr-87

MAT 3834 Total photon (eV-barns) 38-Sr-87
Cross Section -100.0 To 9999. %



MAT 3834 Total kinematic kerma (high limit) 38-Sr-87
Cross Section -98.94 To 9999. %

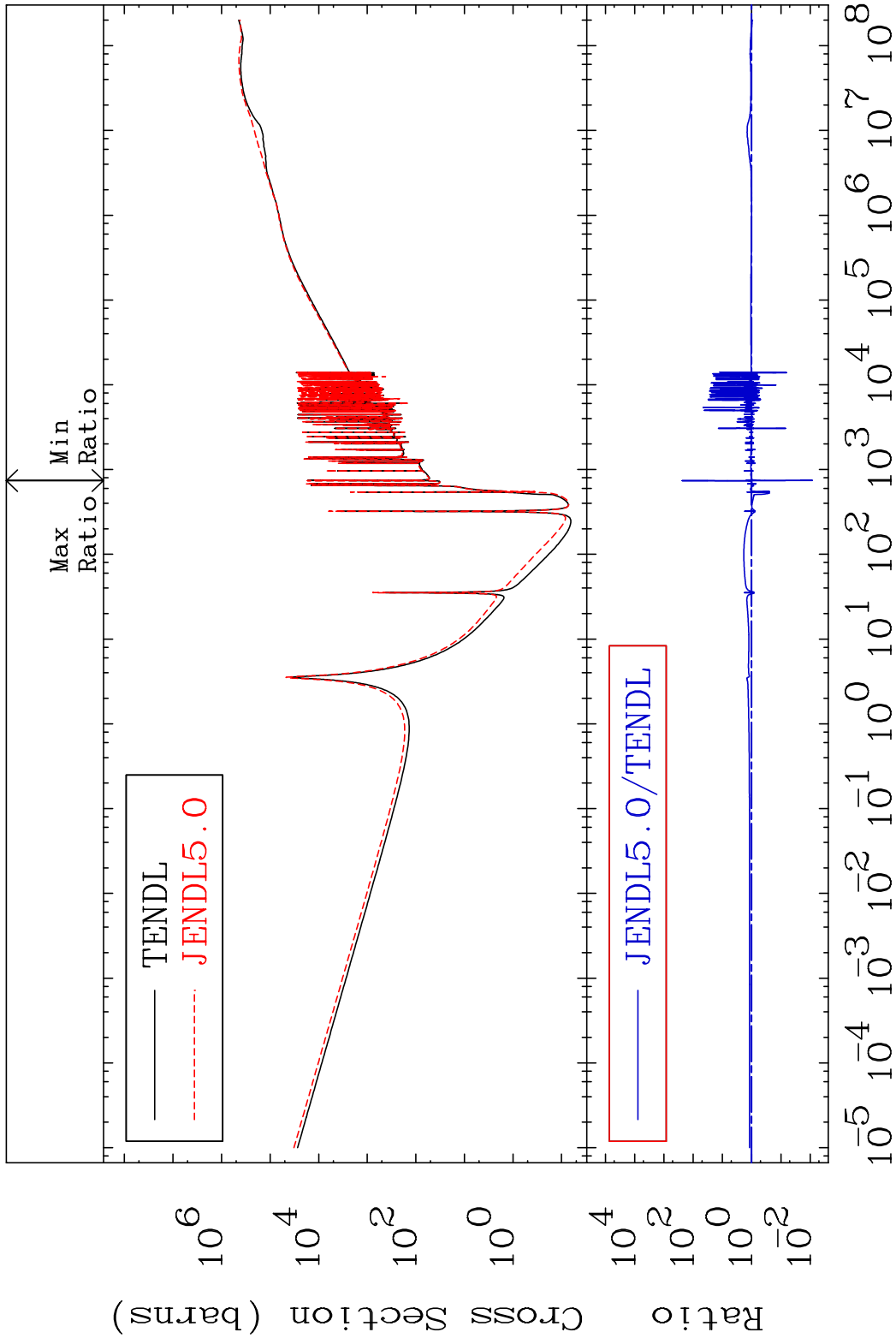


MAT 3834

Dpa total (eV-barns)

38-Sr-87

Cross Section -99.17 To 9999. %

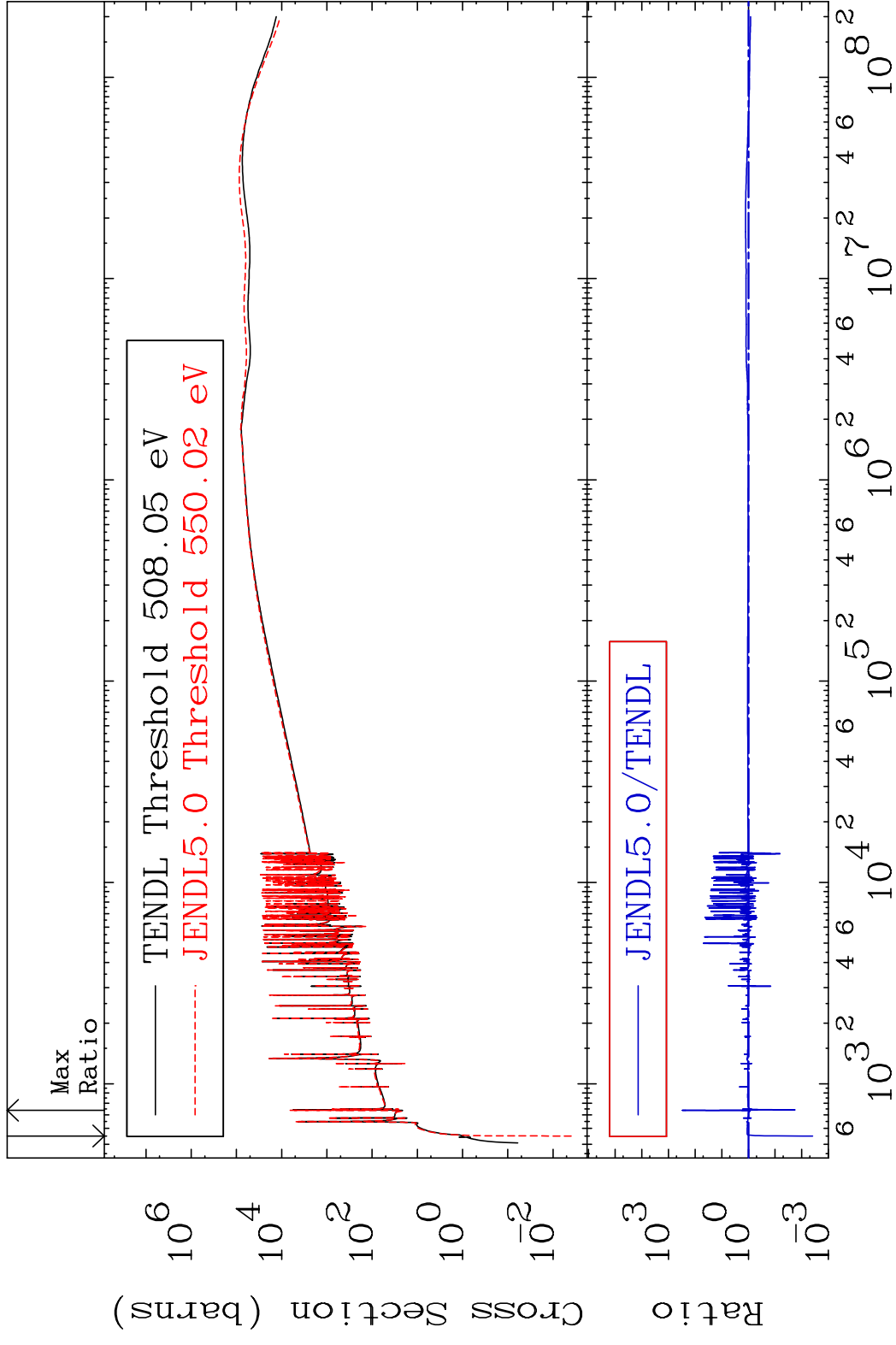


60

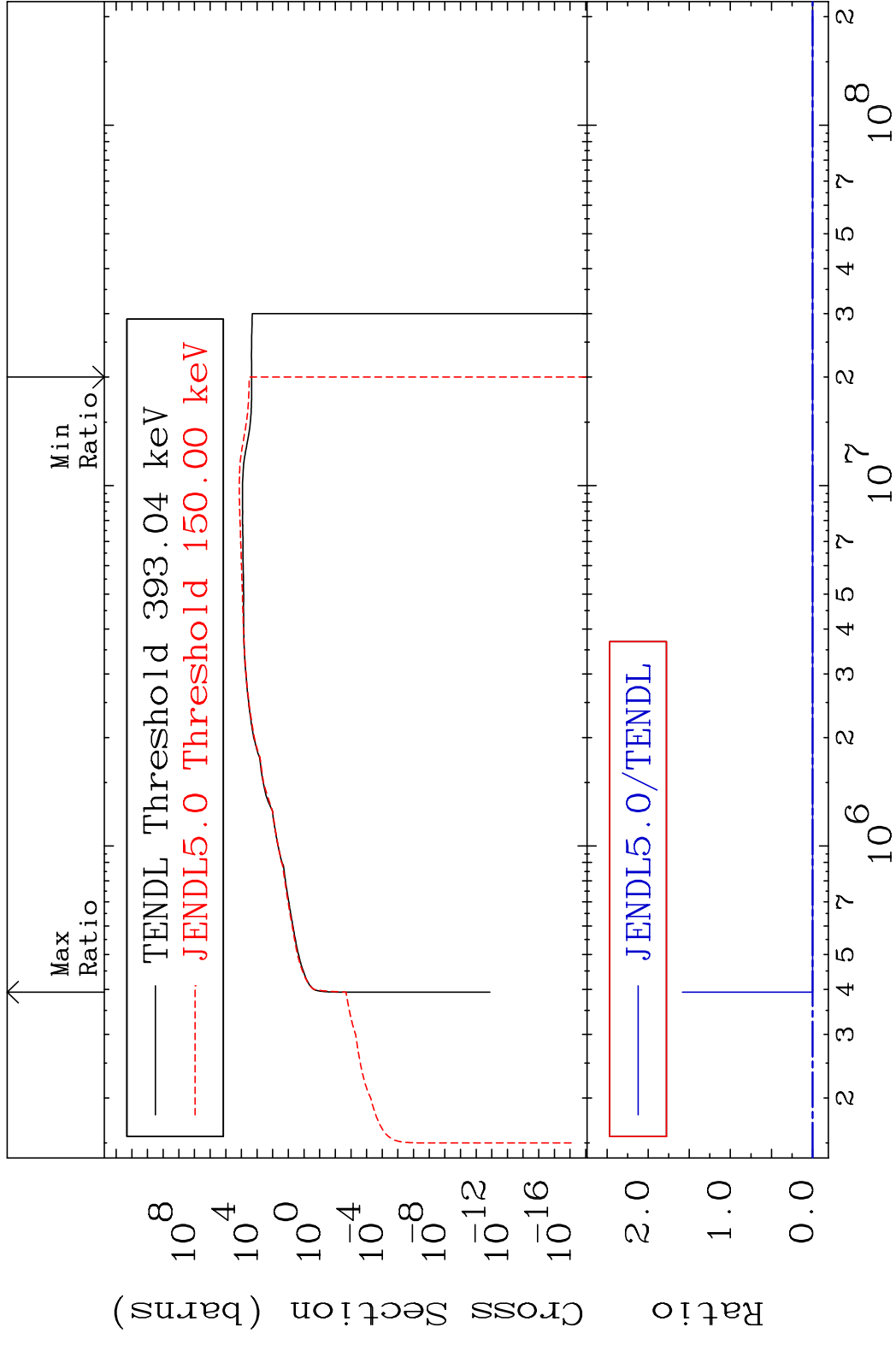
Incident Energy (eV)

38-Sr-87

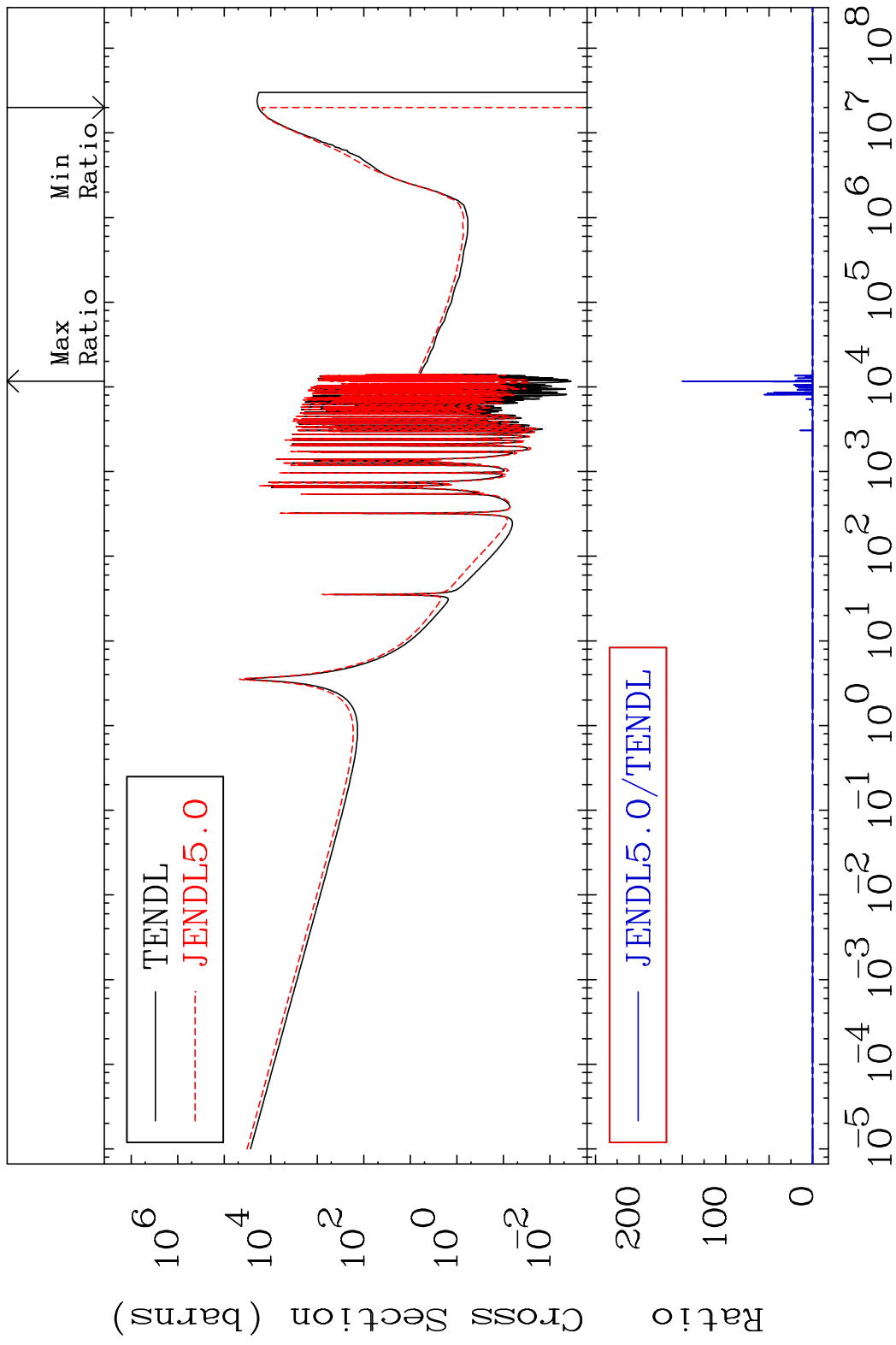
MAT 3834 Dpa elastic (mt2) 38-Sr-87
 Cross Section -99.61 To 9999. %

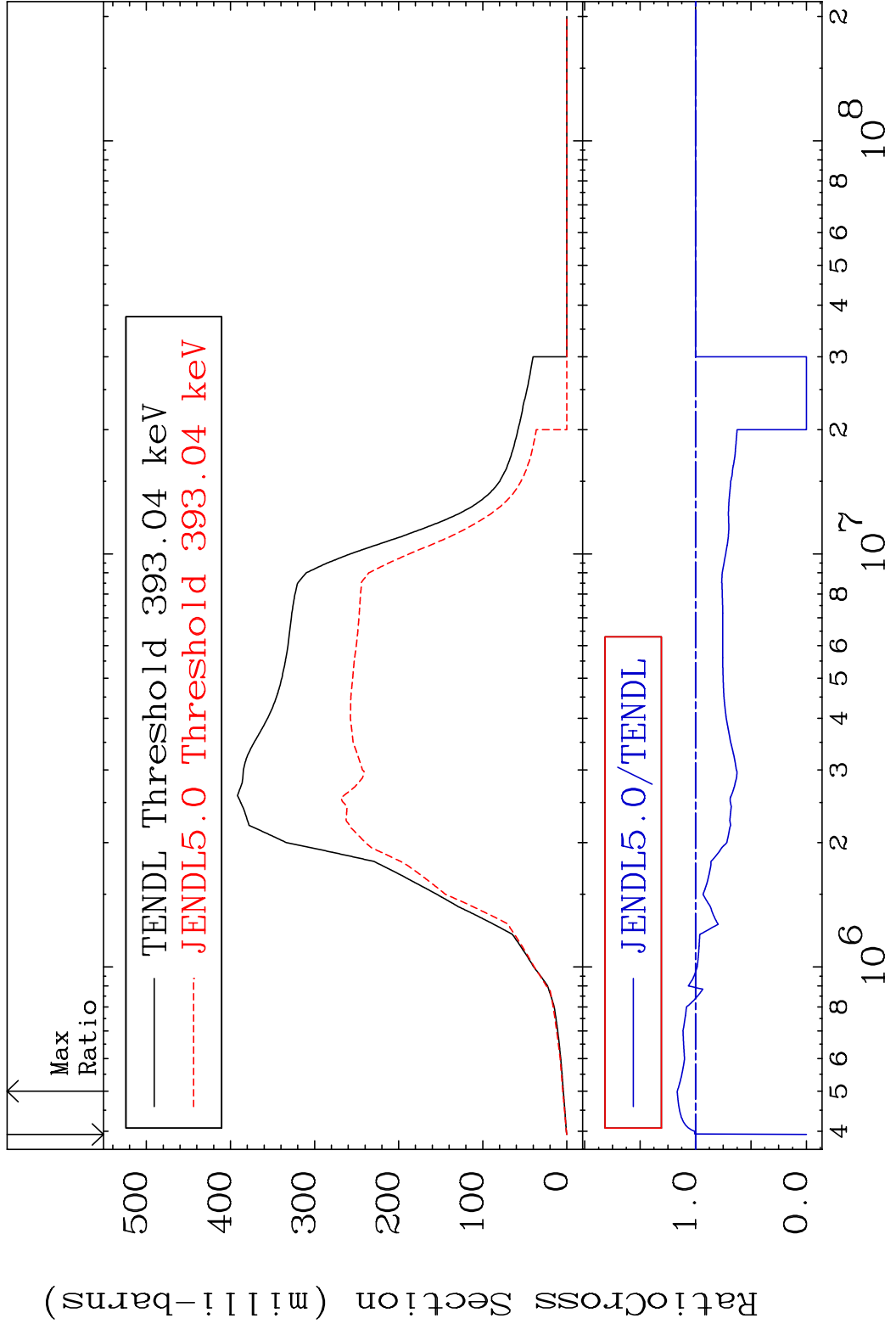


MAT 3834 Dpa inelastic (mt51-91) 38-Sr-87
 Cross Section -100.0 To 9999. %

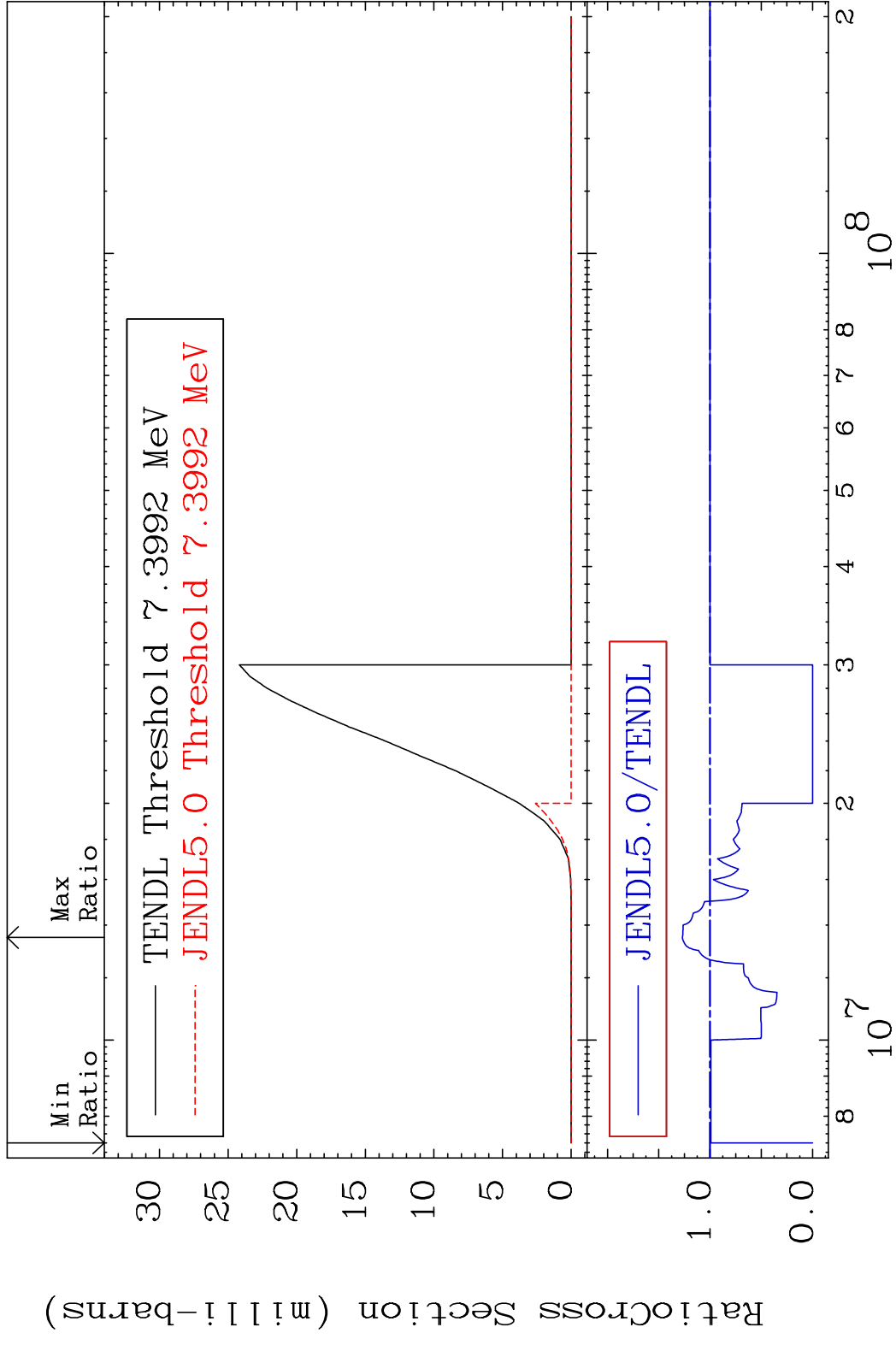


MAT 3834 Dpa disappearance (mt102 -120) 38-Sr-87
 Cross Section -100.0 To 9999. %

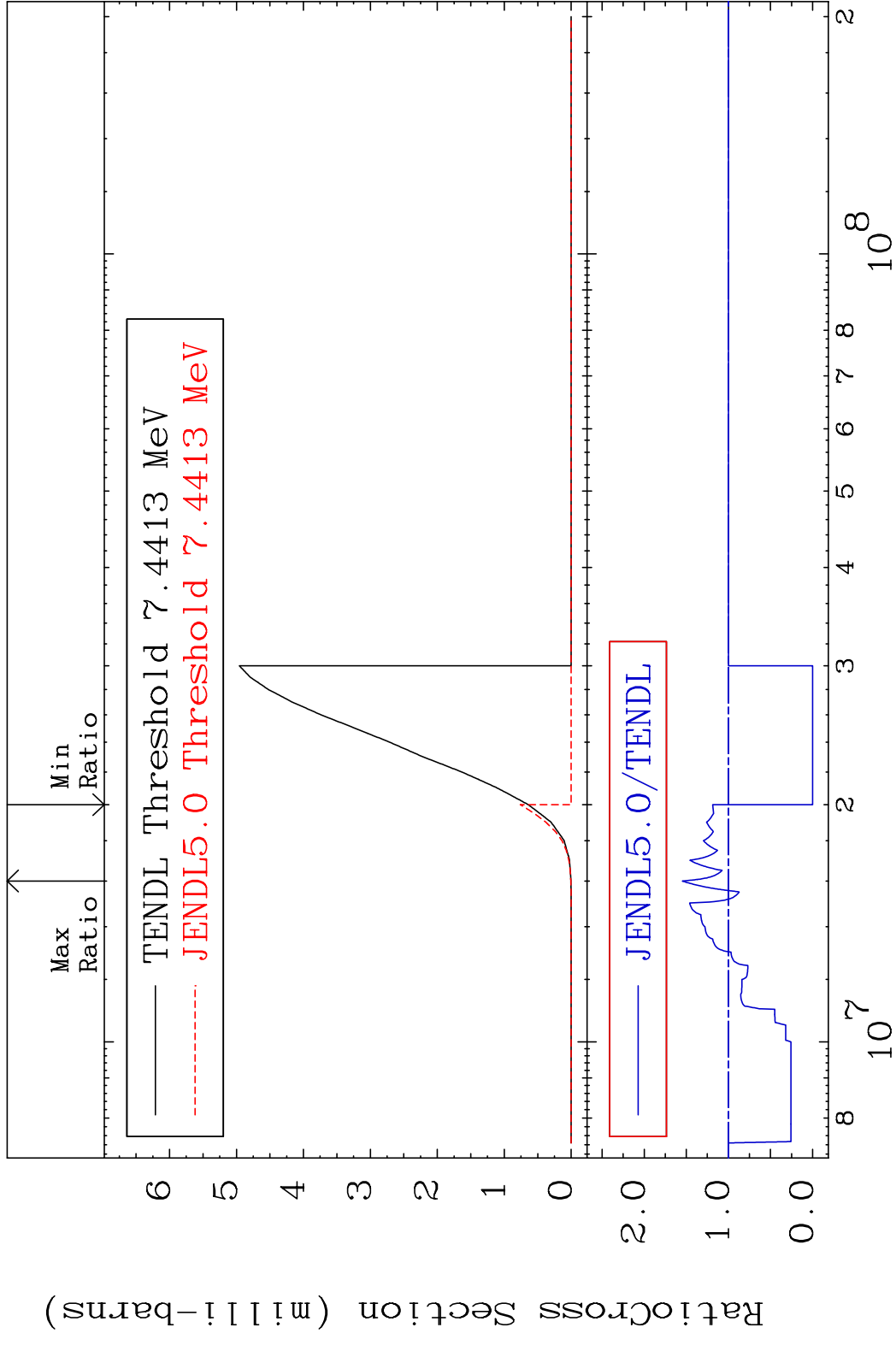




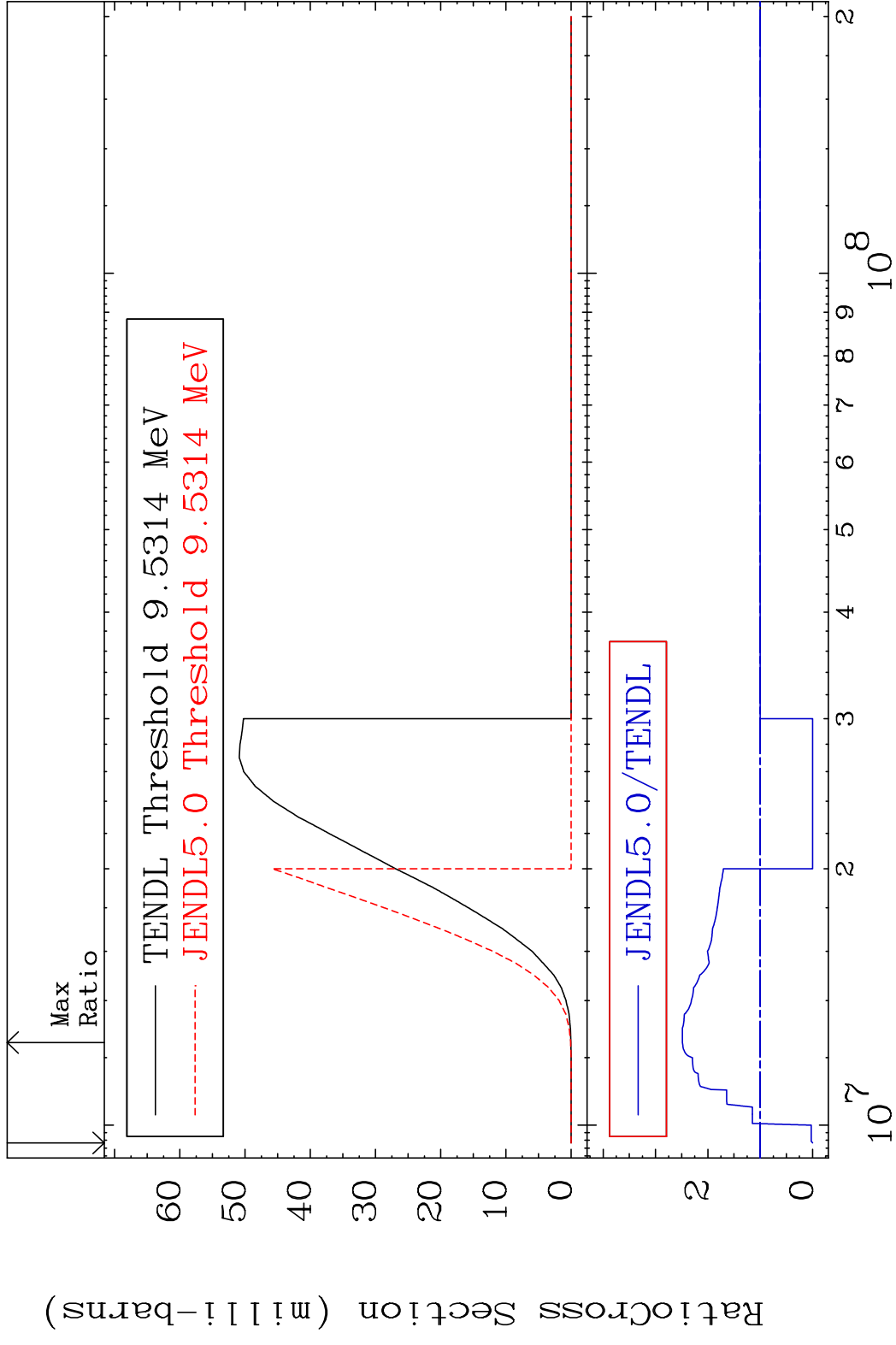
MAT 3834 (n, n') α :36-Kr-83g 38-Sr-87
 Radionuclide Production Cross Section Ratio 26.99 %



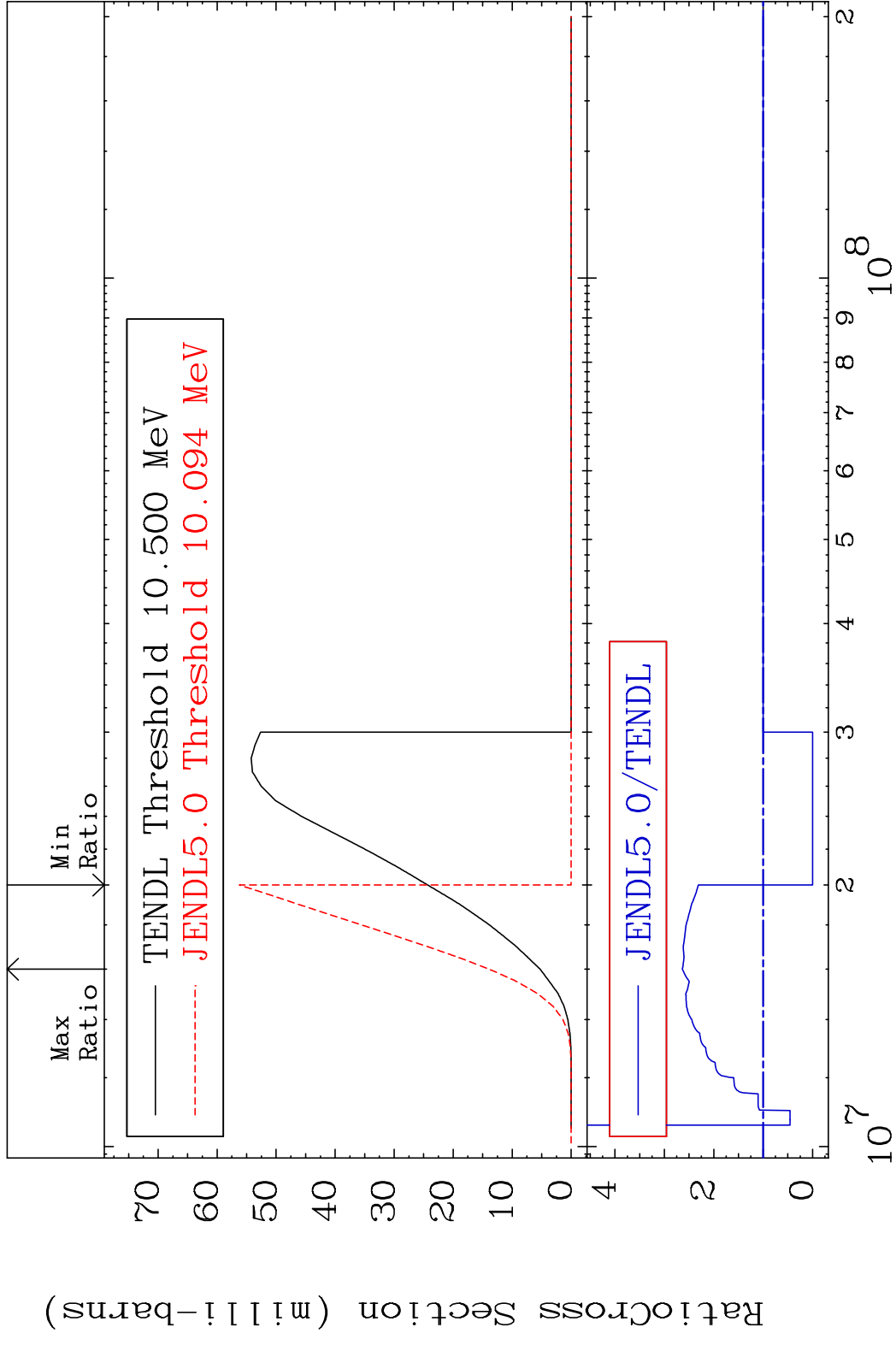
MAT 3834 (n, n') α :36-Kr-83m2 38-Sr-87
 Radionuclide Production Cross Section Ratio 54.70 %



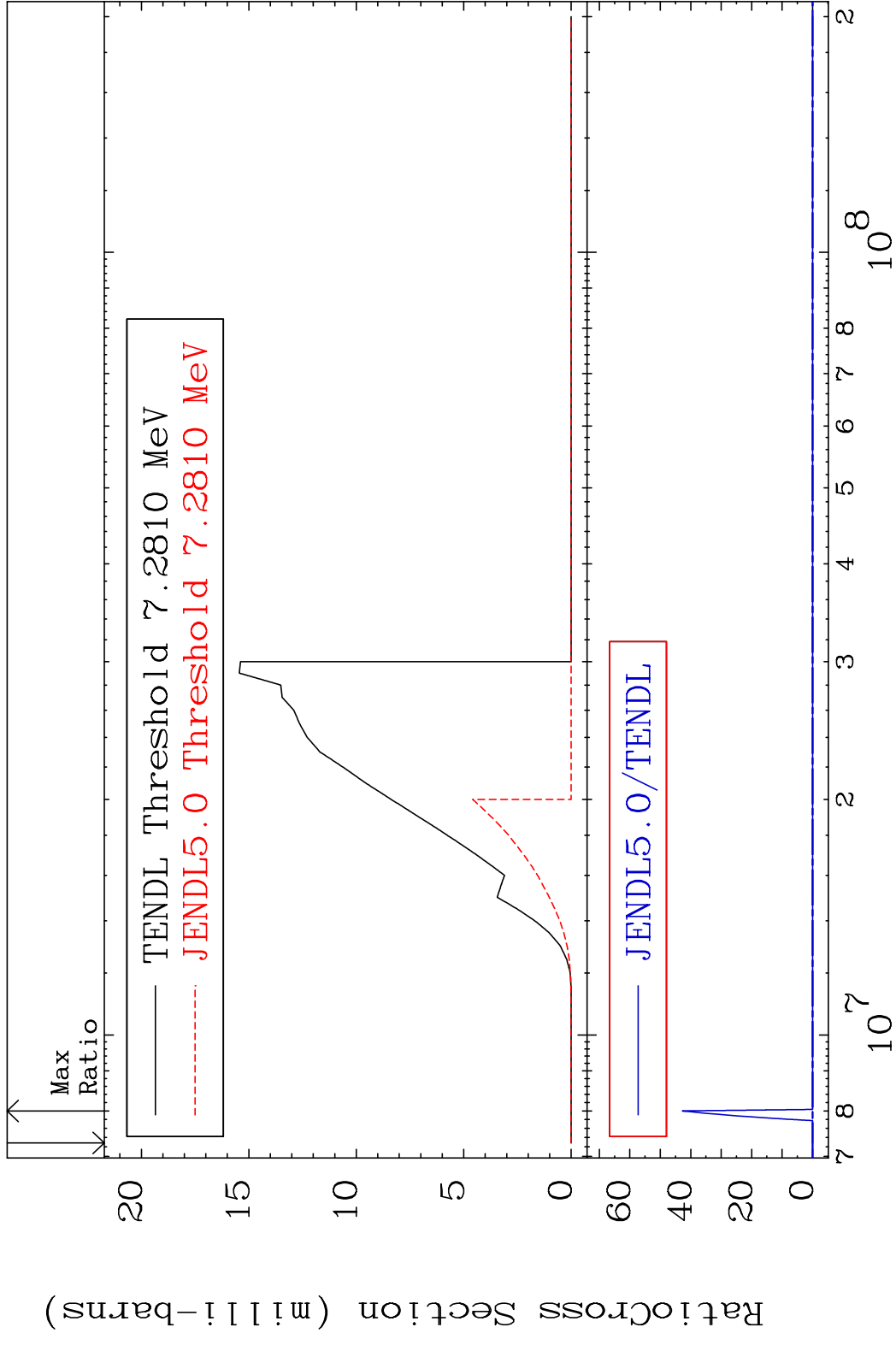
MAT 3834 (n, n') p:37-Rb-86g 38-Sr-87
 Radionuclide Production Cross Section 180.0 dth 148.7 %



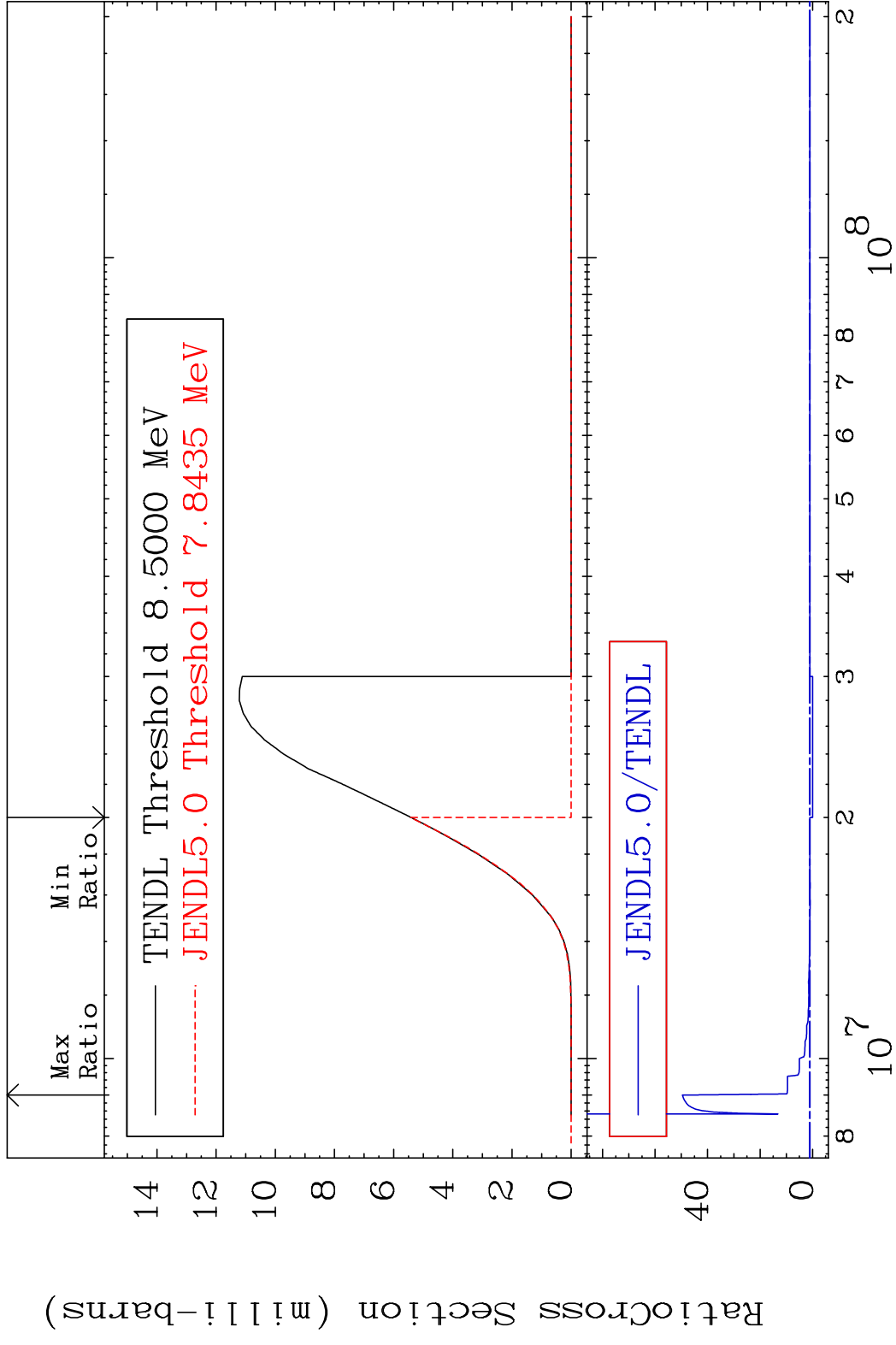
67 Incident Energy (eV) 38-Sr-87



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

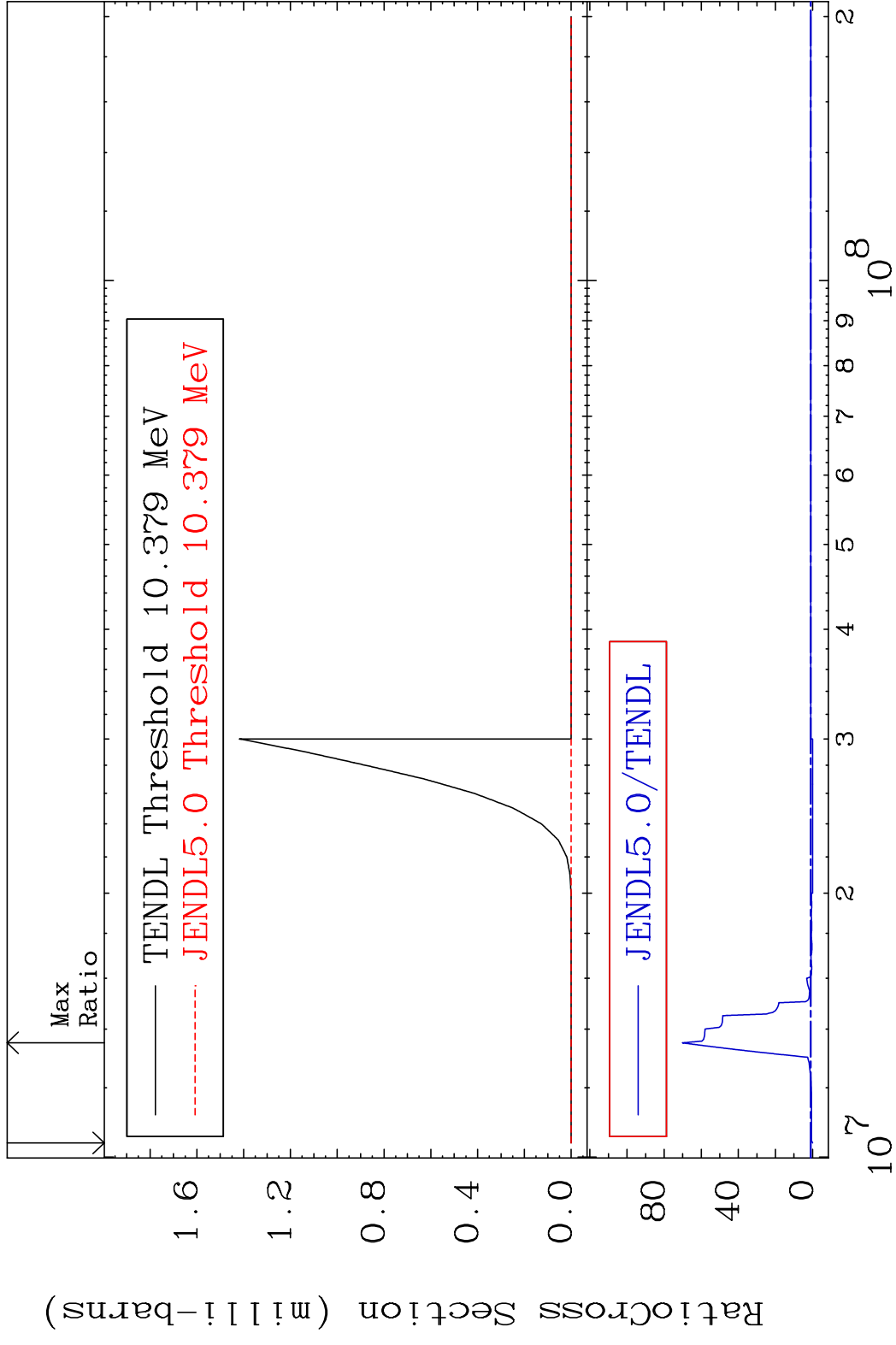


MAT 3834 (n, d):37-Rb-86m2 38-Sr-87
 Radionuclide Production Cross Section 4861. %

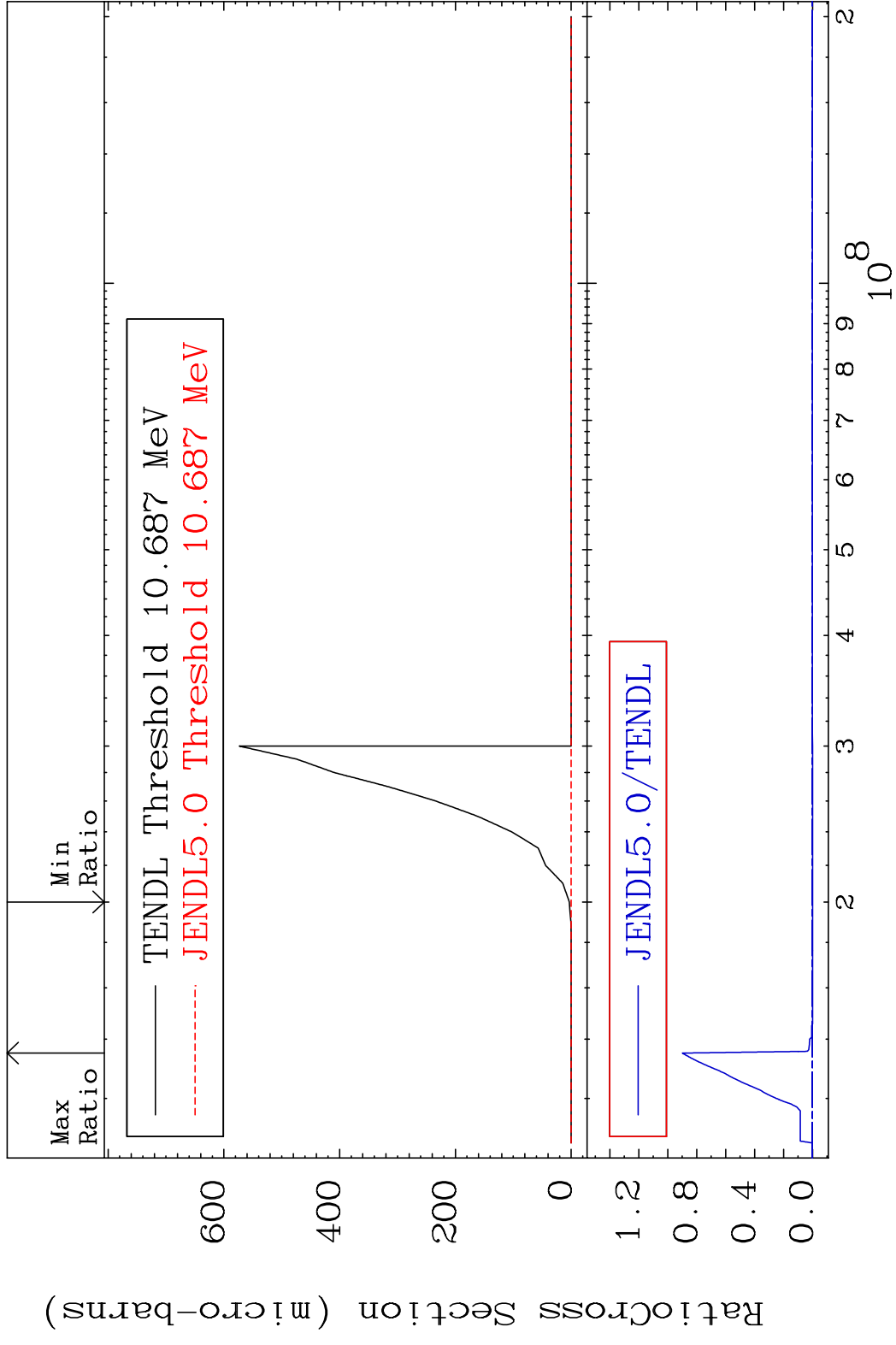


70 Incident Energy (eV) 38-Sr-87

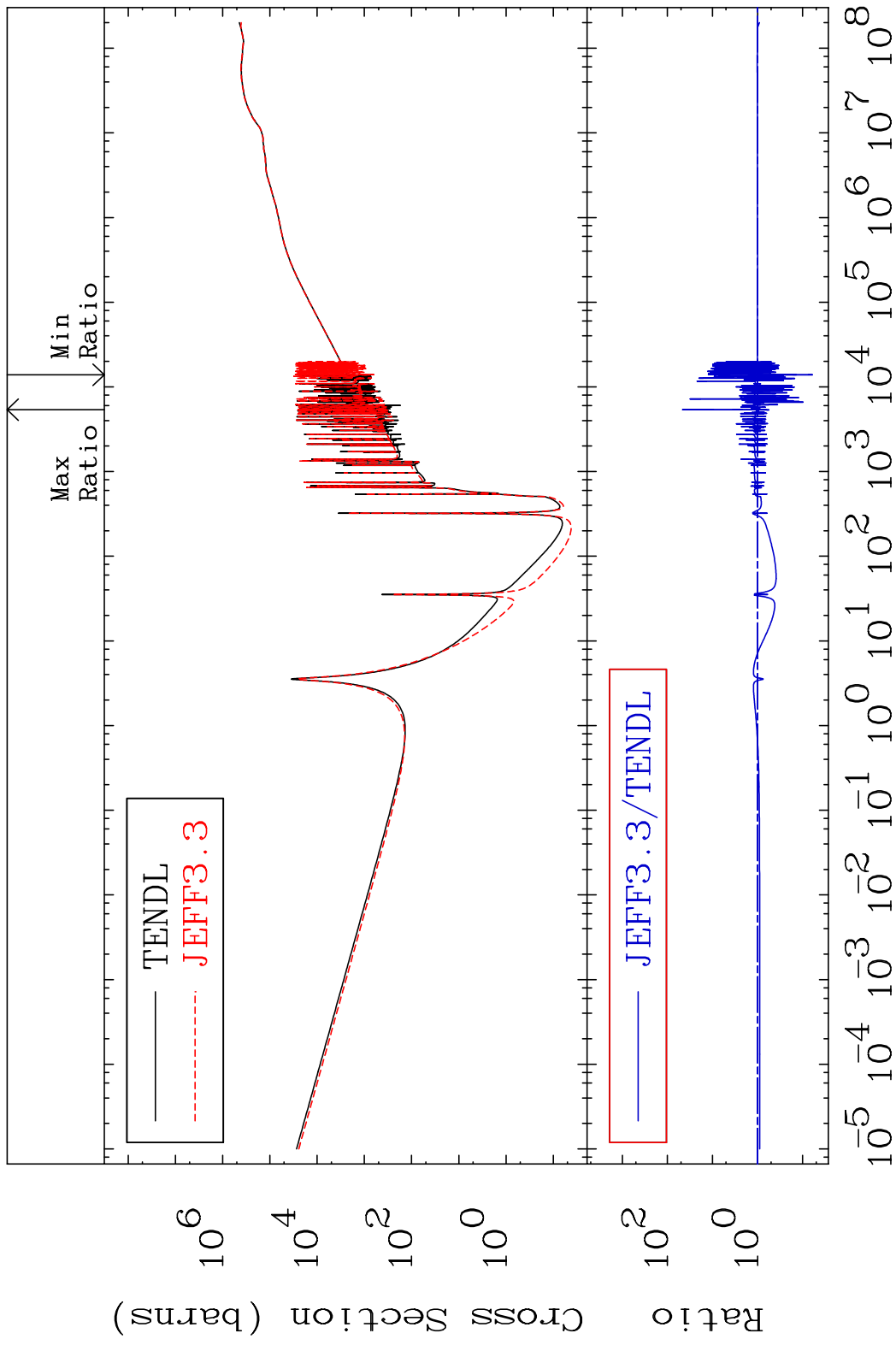
MAT 3834 (n, He-3):36-Kr-85g 38-Sr-87
 Radionuclide Production Cross Section Ratio



71 Incident Energy (eV) 38-Sr-87



MAT 3834 Dpa total (eV-barns) 38-Sr-87
 Cross Section -93.98 To 4555. %



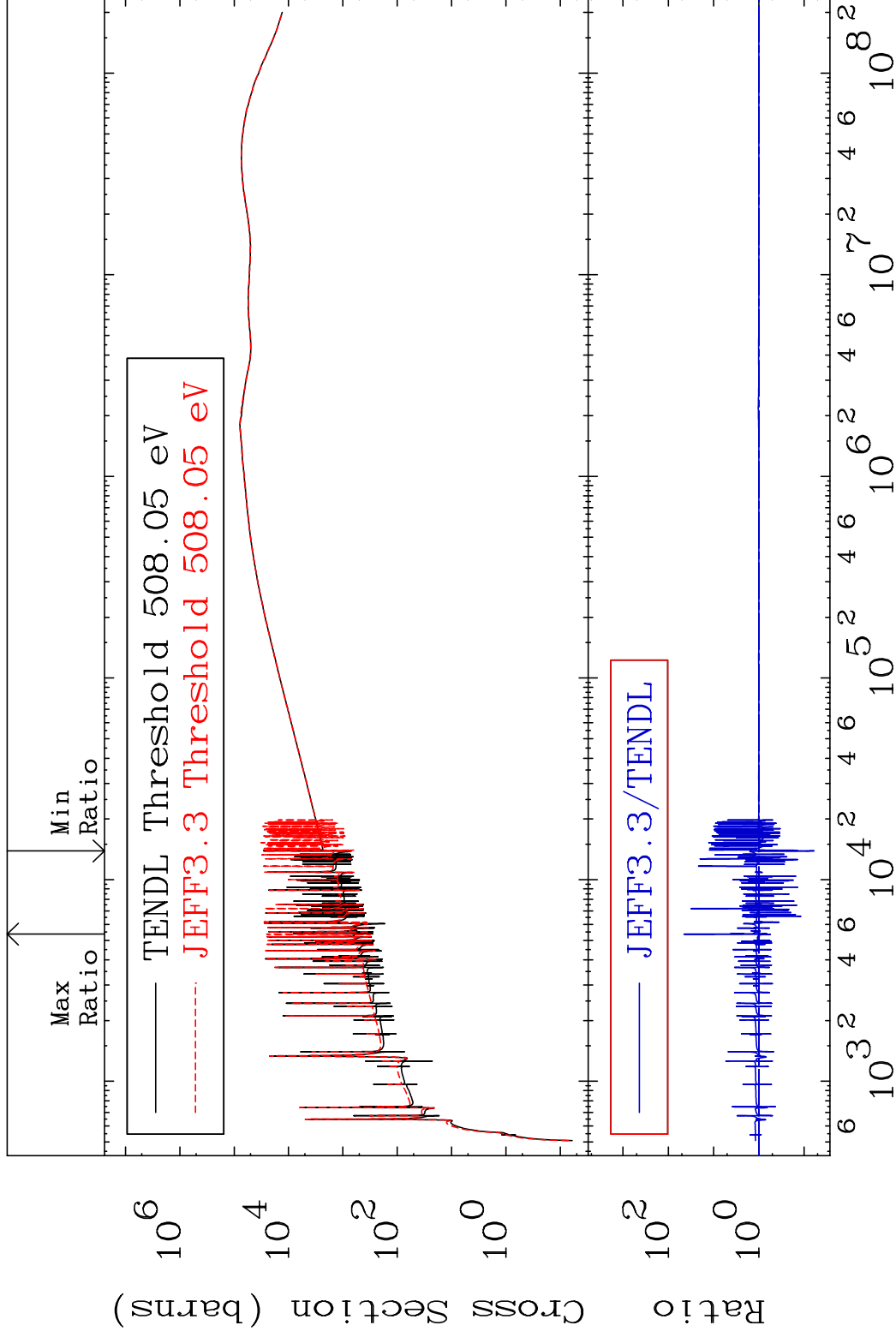
73 Incident Energy (eV) 38-Sr-87

MAT 3834

Dpa elastic (mt2)

38-Sr-87

Cross Section -94.00 To 4473. %

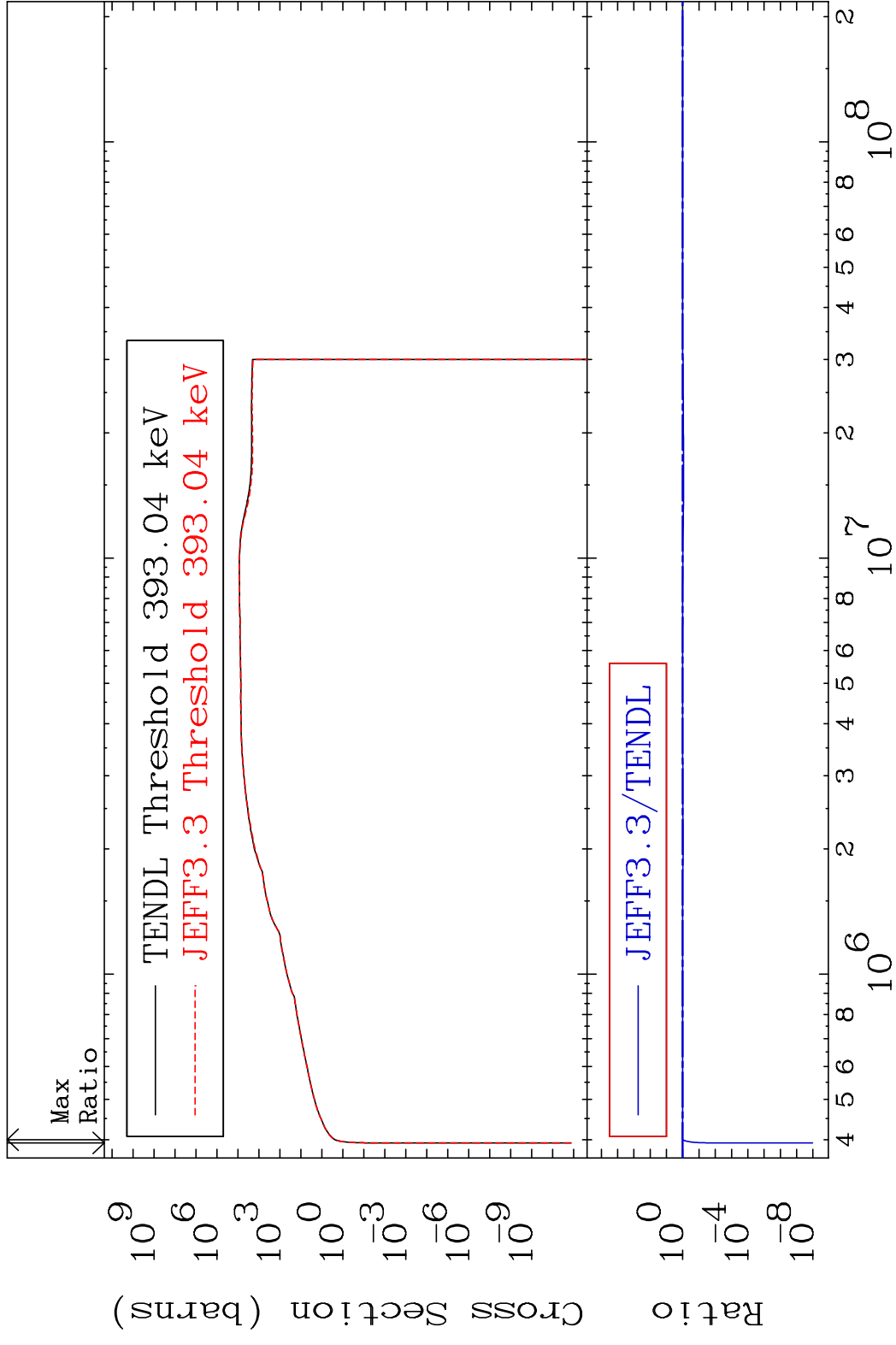


74

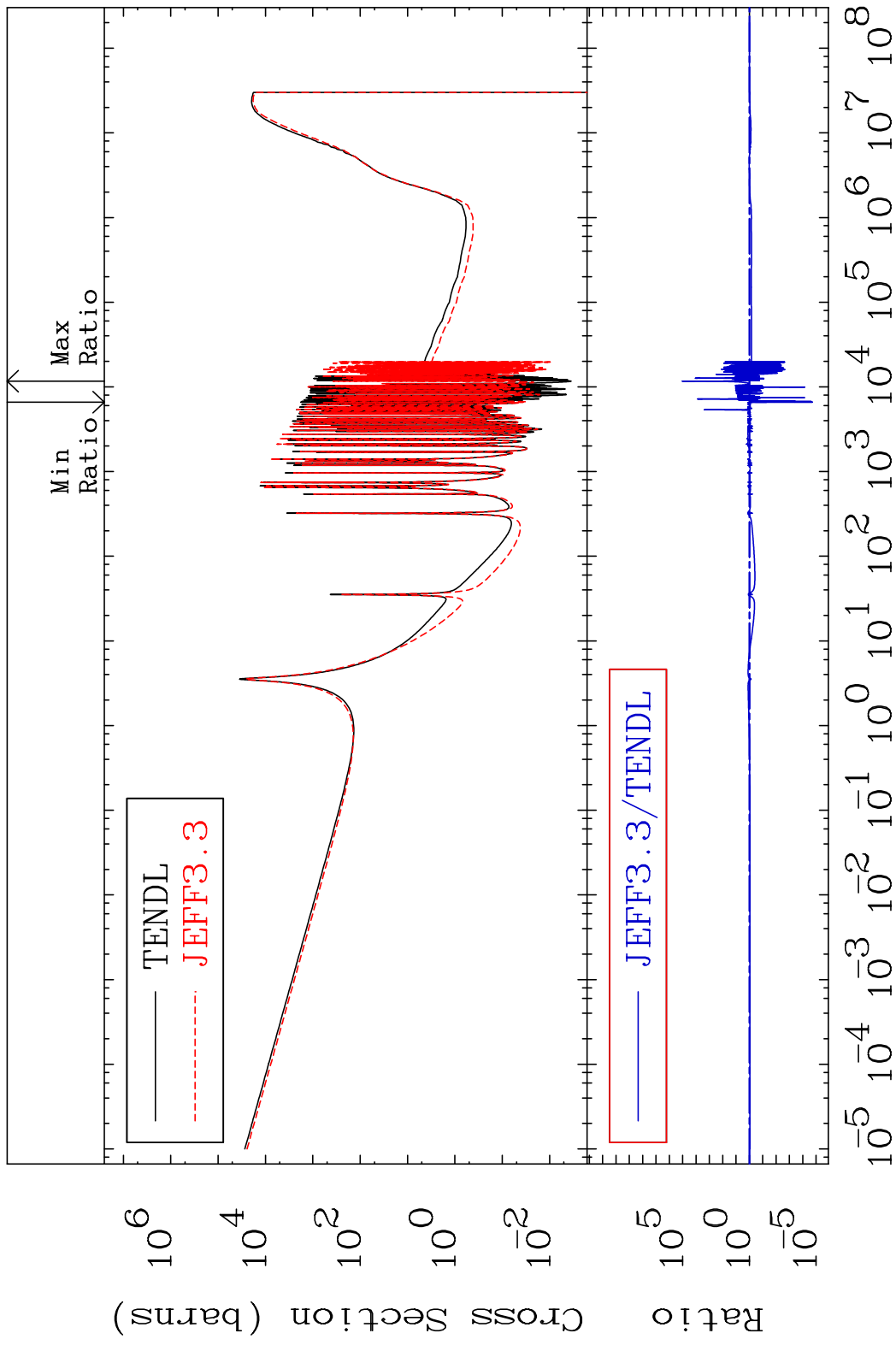
Incident Energy (eV)

38-Sr-87

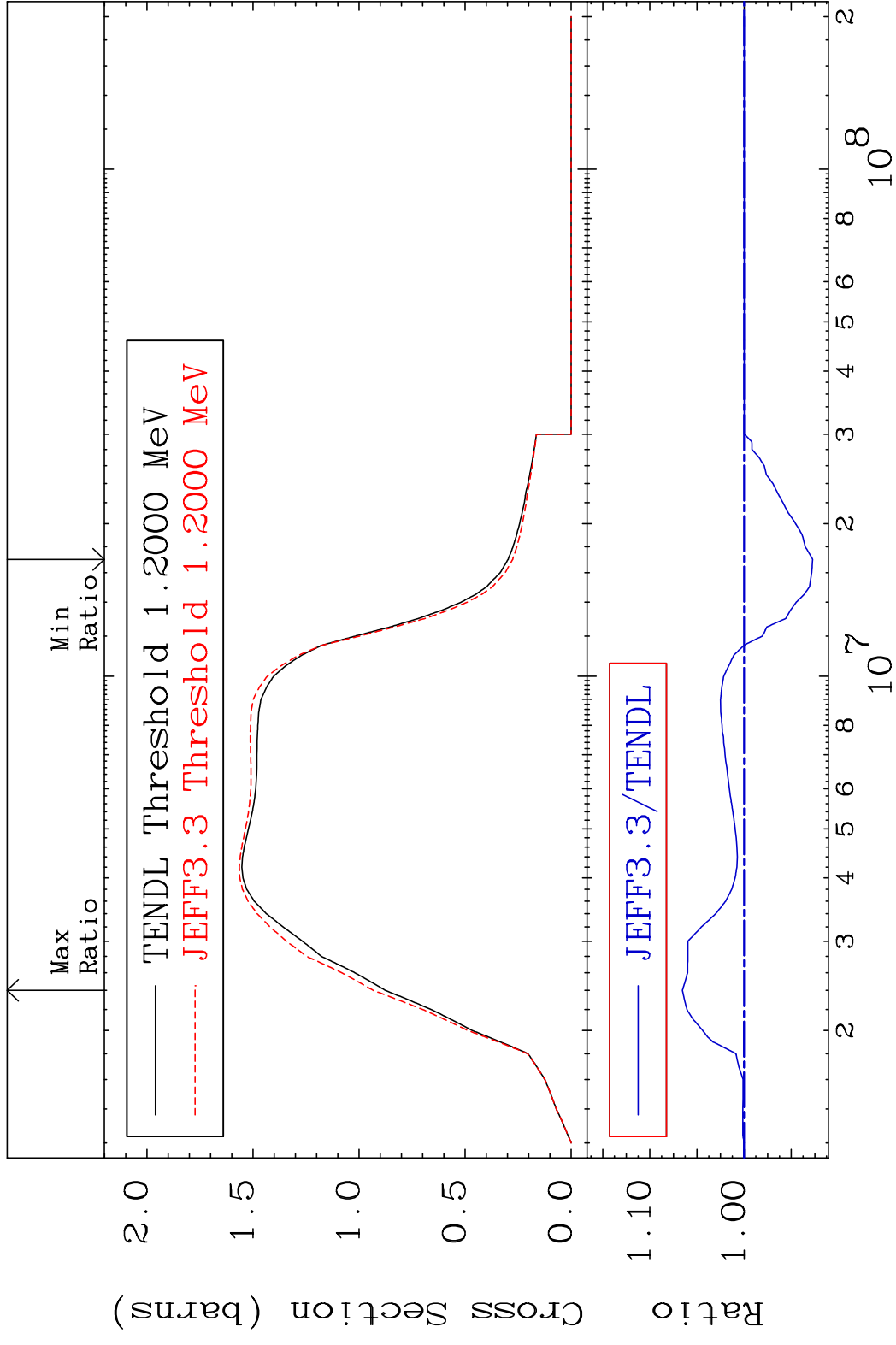
MAT 3834 Dpa inelastic (mt51-91) 38-Sr-87
 Cross Section -100.0 To 5.341 %

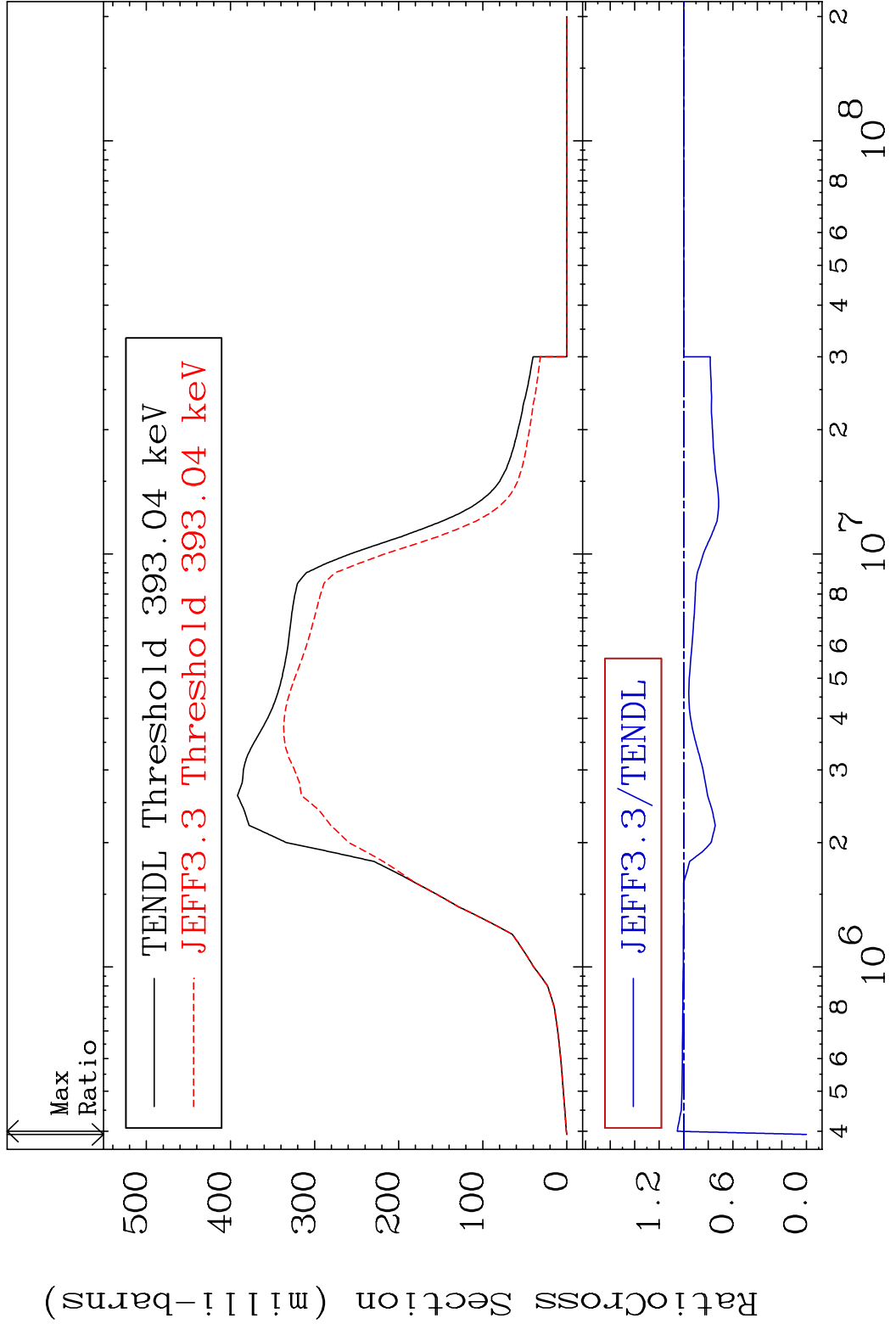


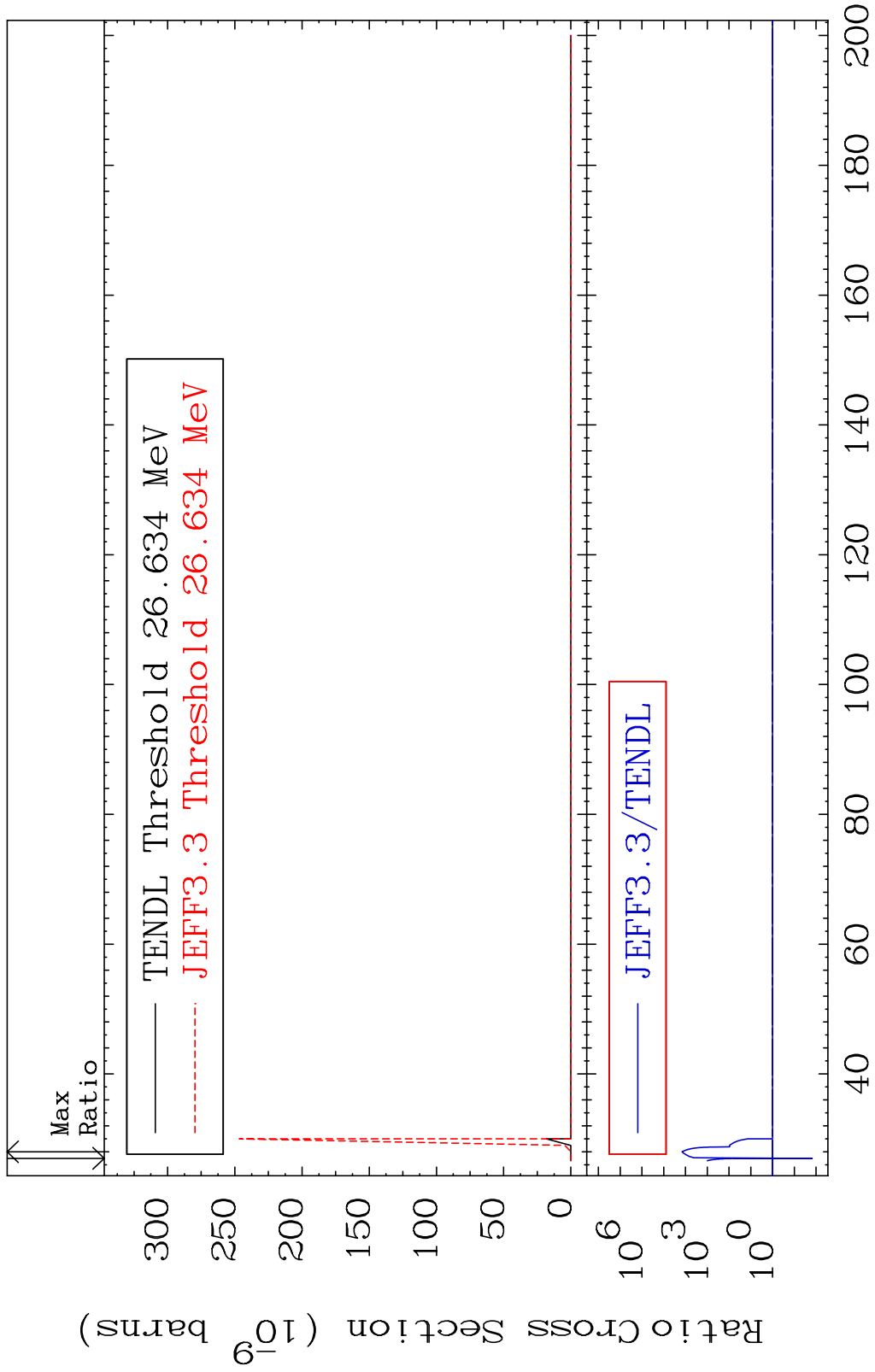
MAT 3834 Dpa disappearance (mt102 -120) 38-Sr-87
 Cross Section -100.0 To 9999. %



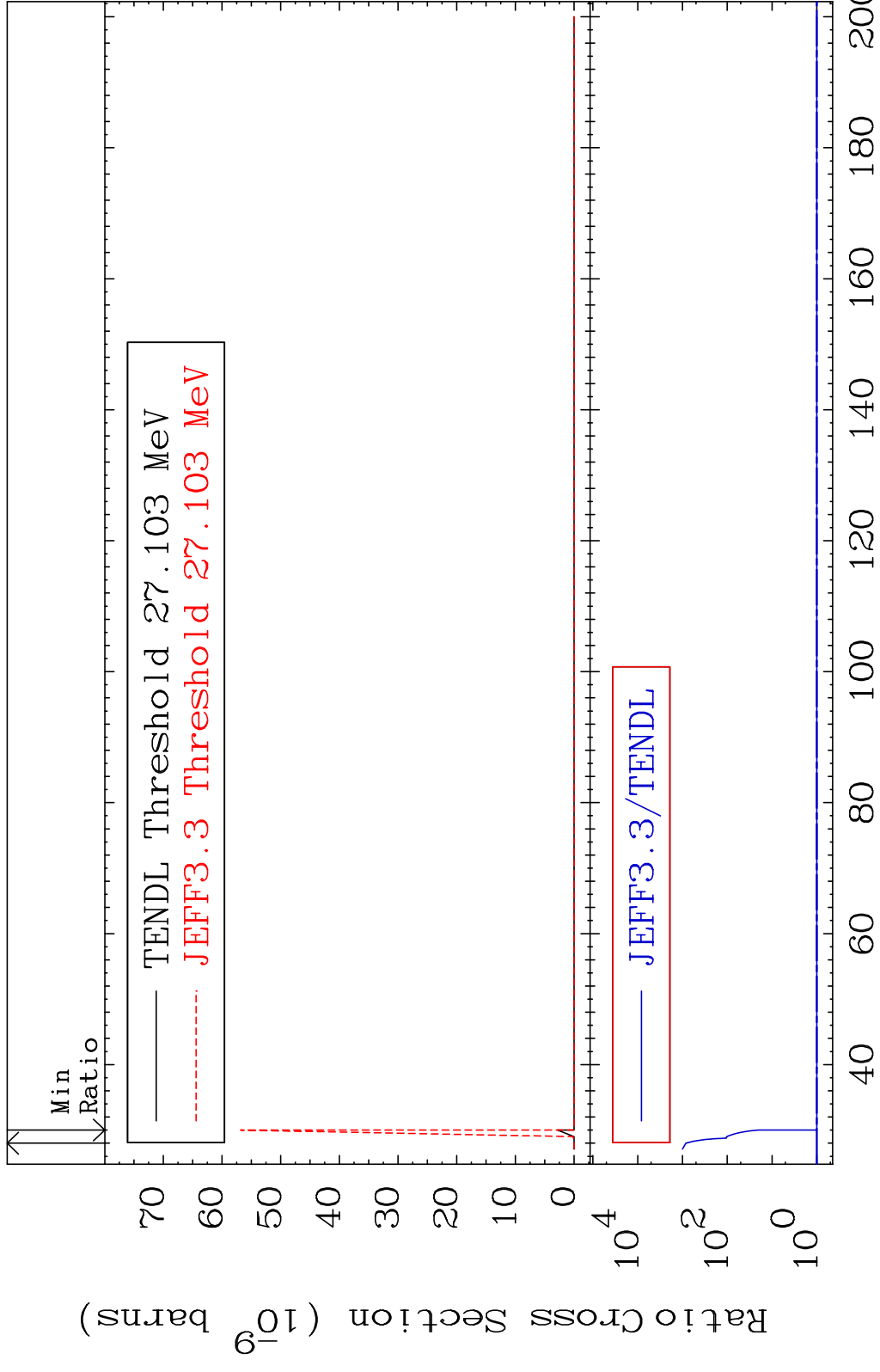
76 Incident Energy (eV) 38-Sr-87





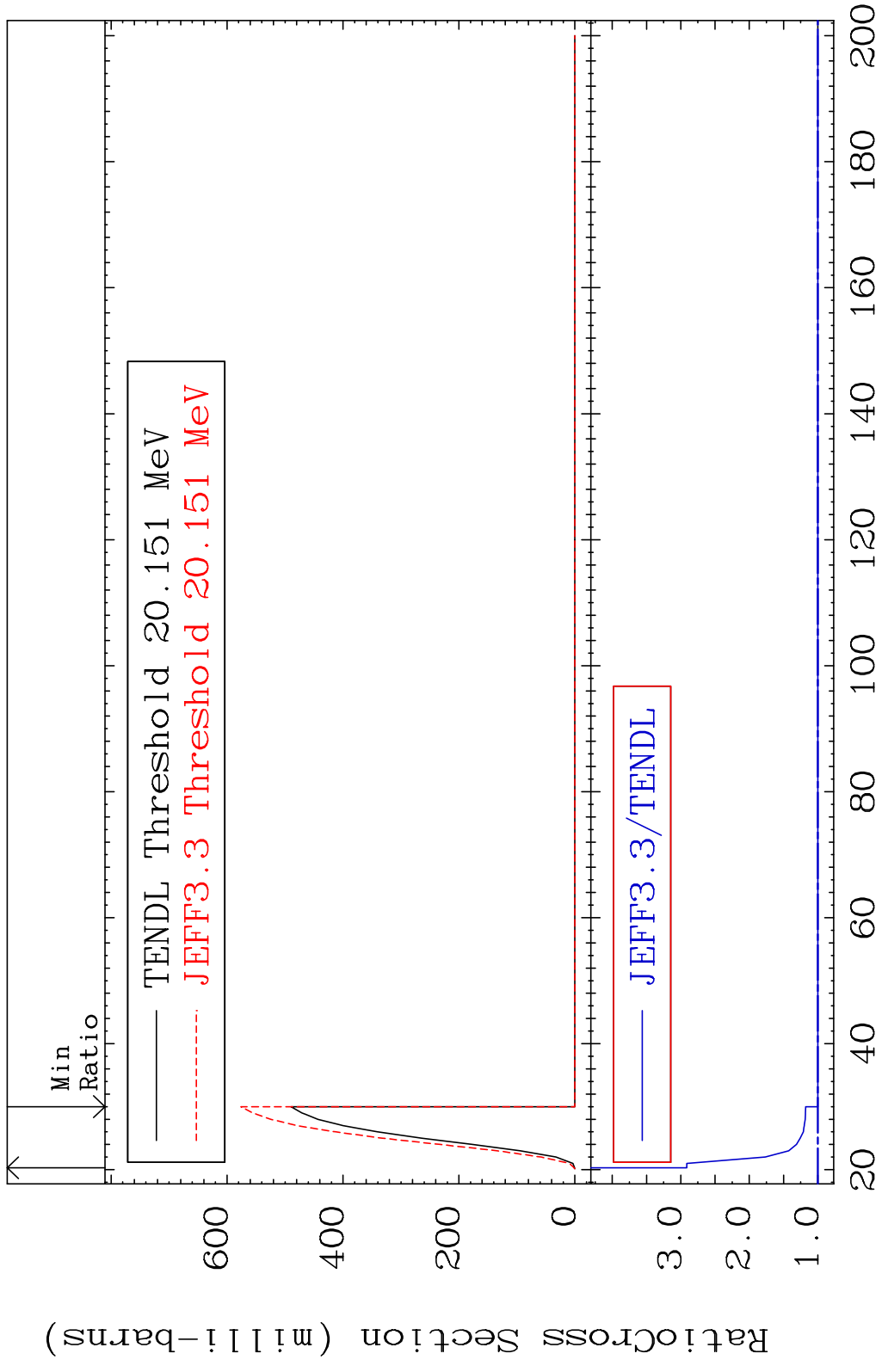


MAT 3834 (n,2n) d:37-Rb-84m2 38-Sr-87
 Radionuclide Production Cross Section 9999. %

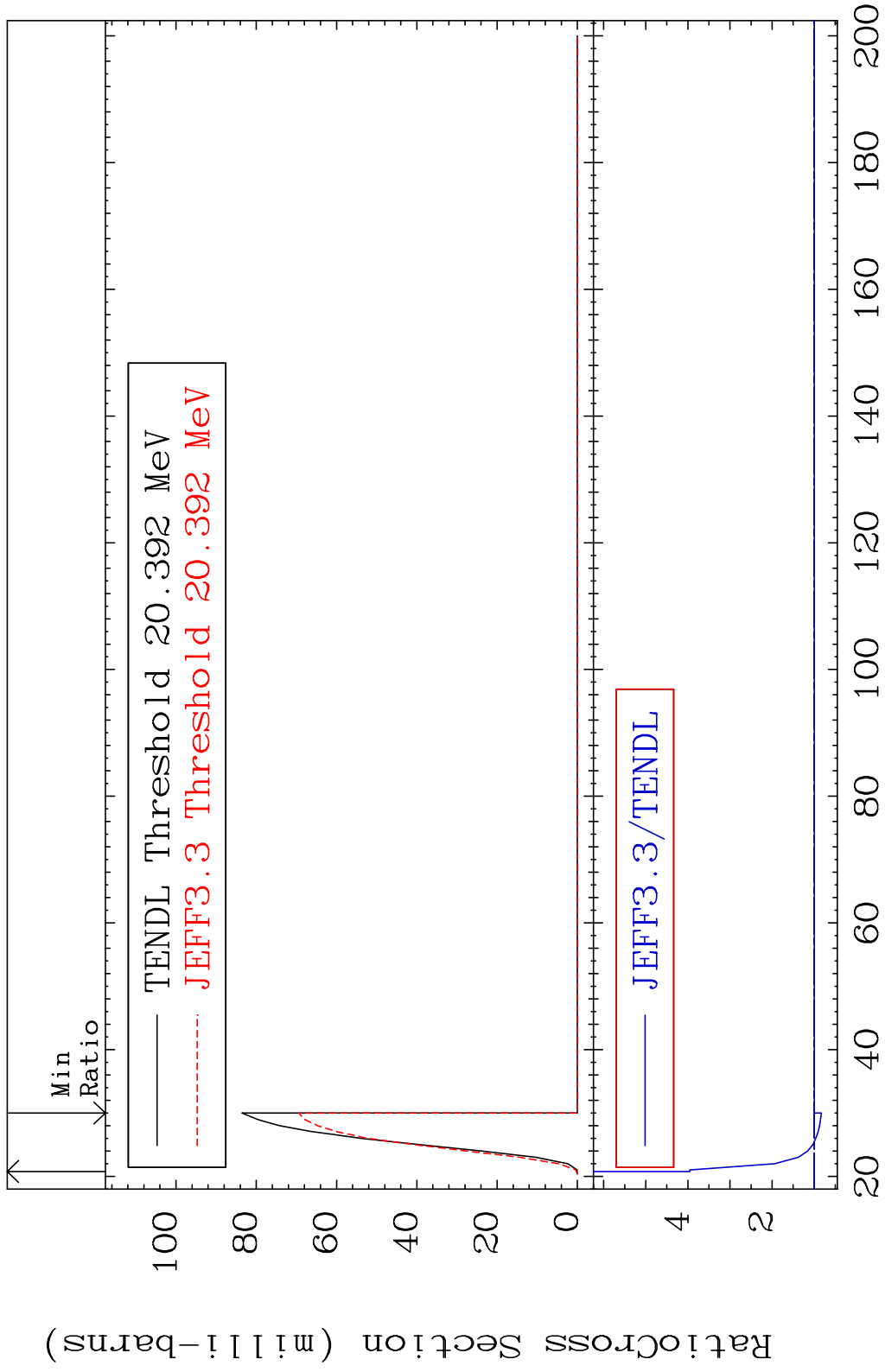


80 Incident Energy (MeV) 38-Sr-87

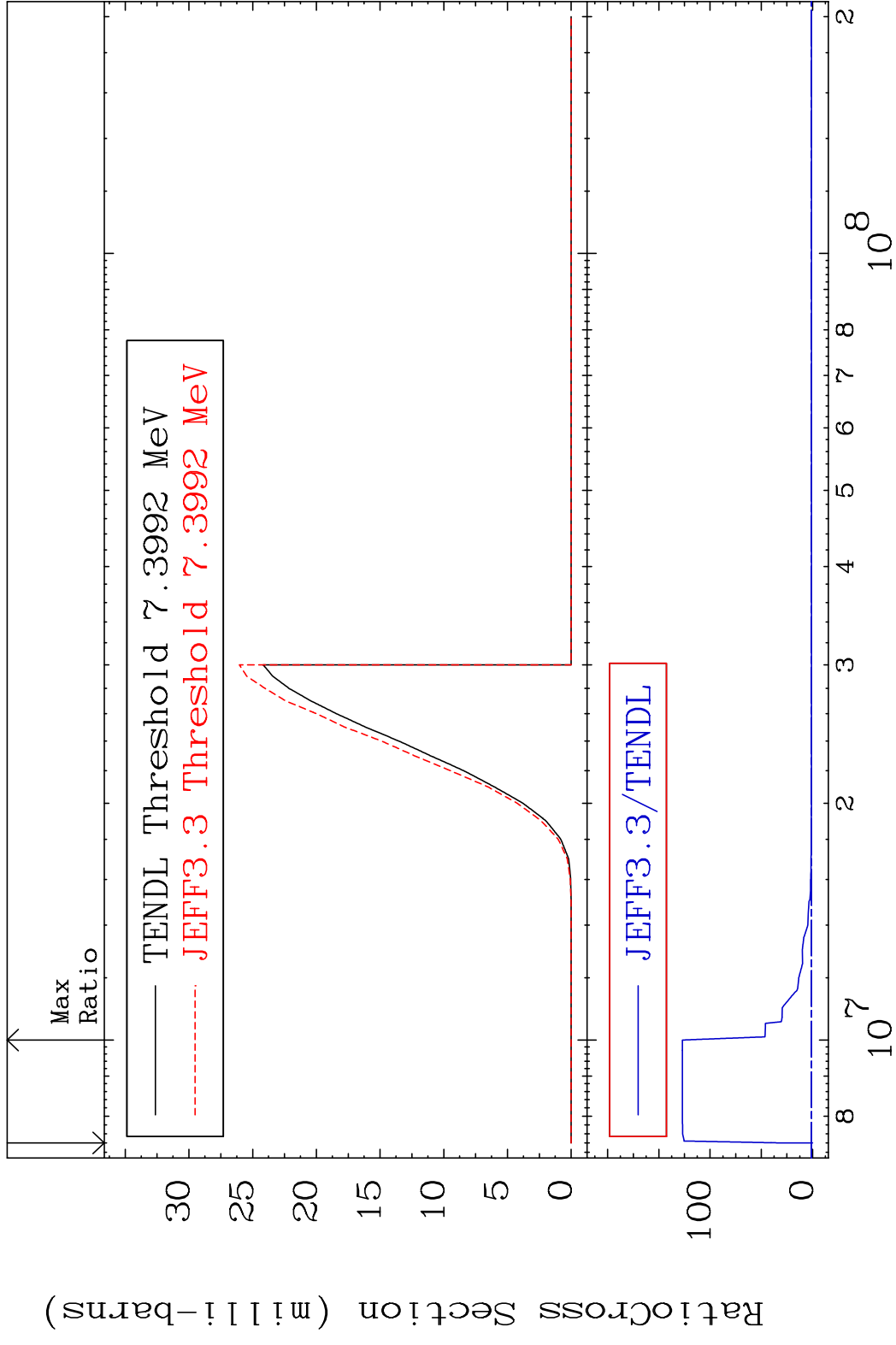
MAT 3834 (n,3n):38-Sr-85g 38-Sr-87
 Radionuclide Production Cross Section 191.3 %



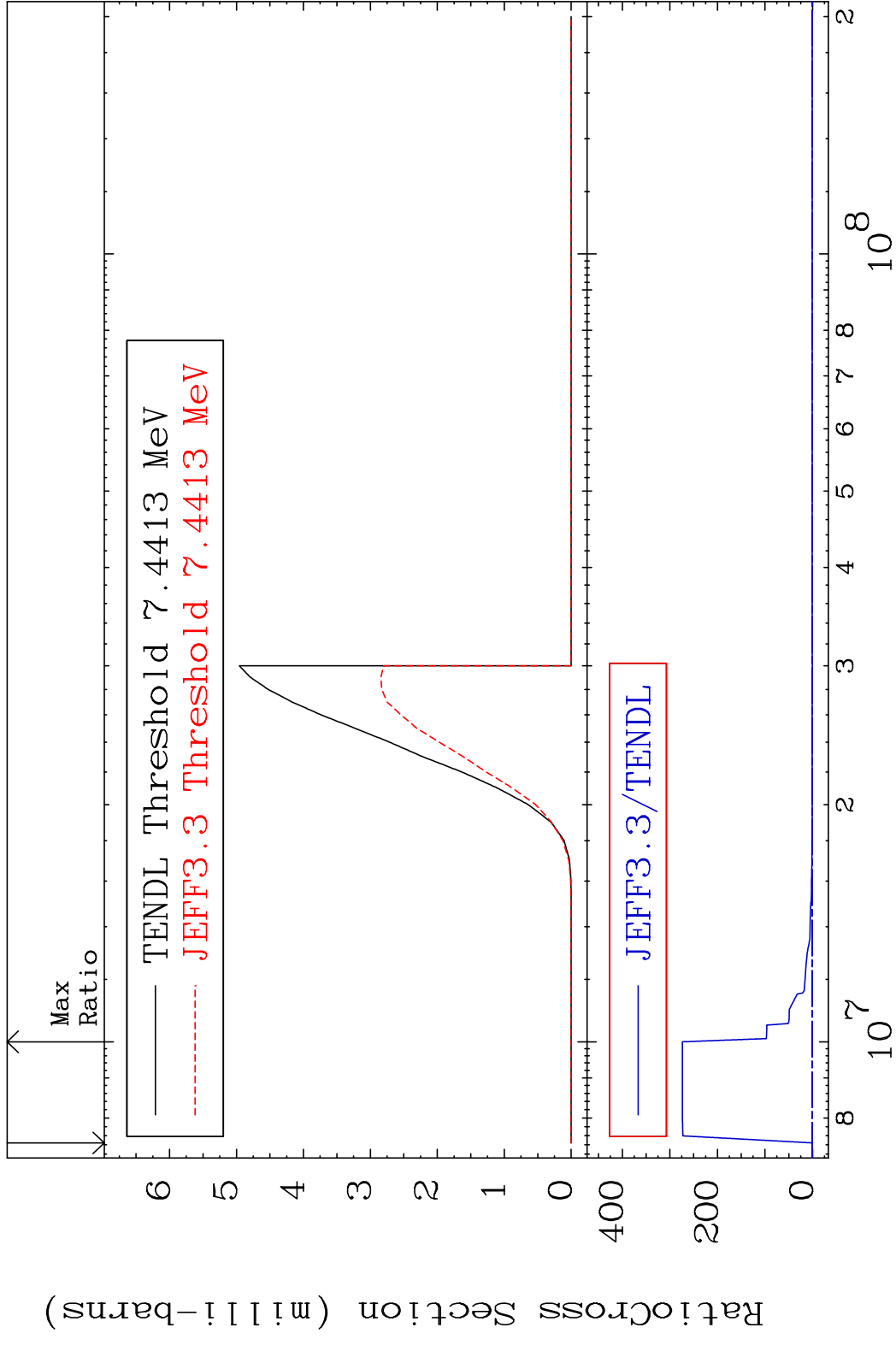
MAT 3834 (n,3n):38-Sr-85m2 38-Sr-87
 Radionuclide Production Cross Section 18e-26 d/d0 295.5 %

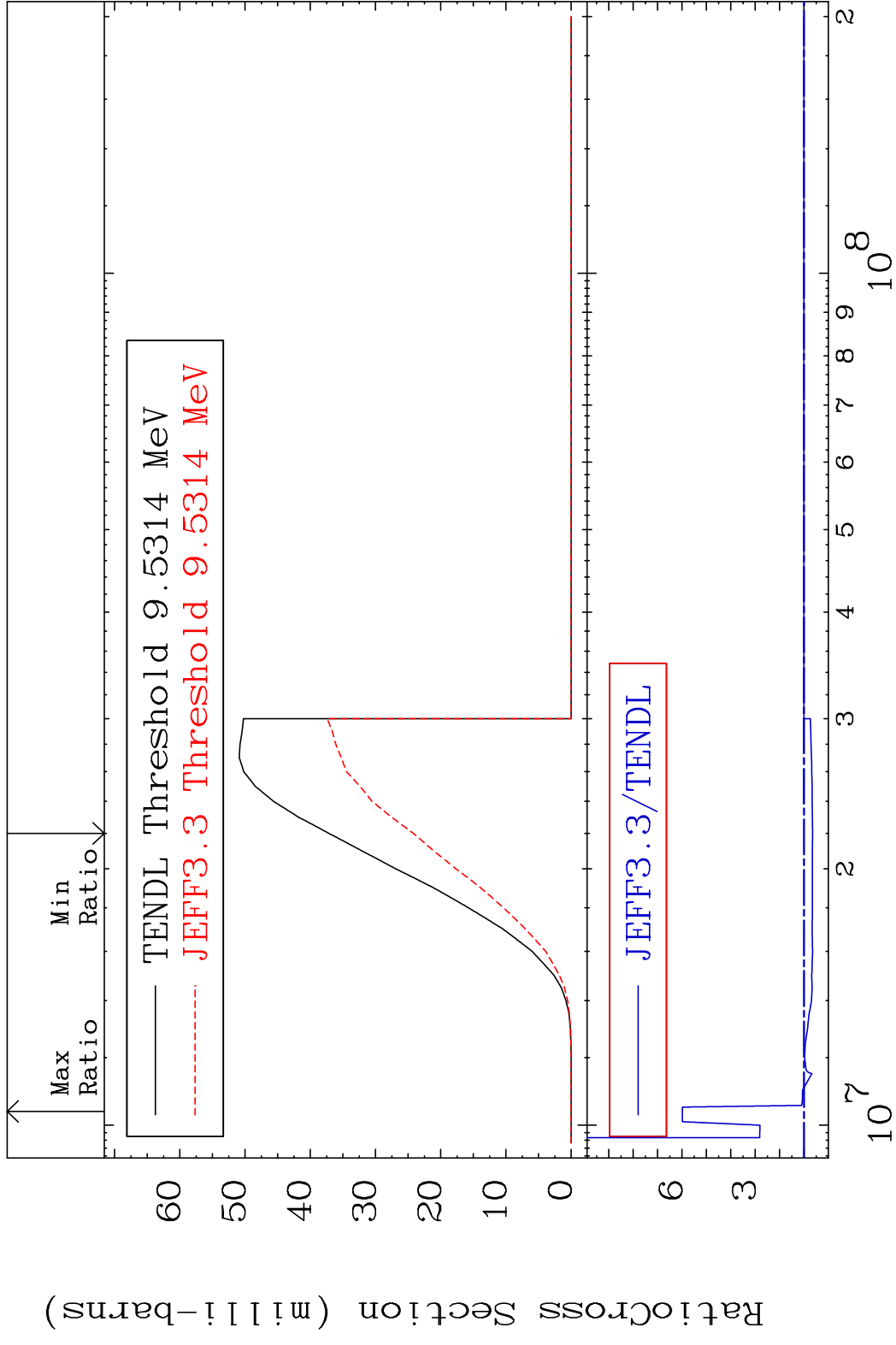


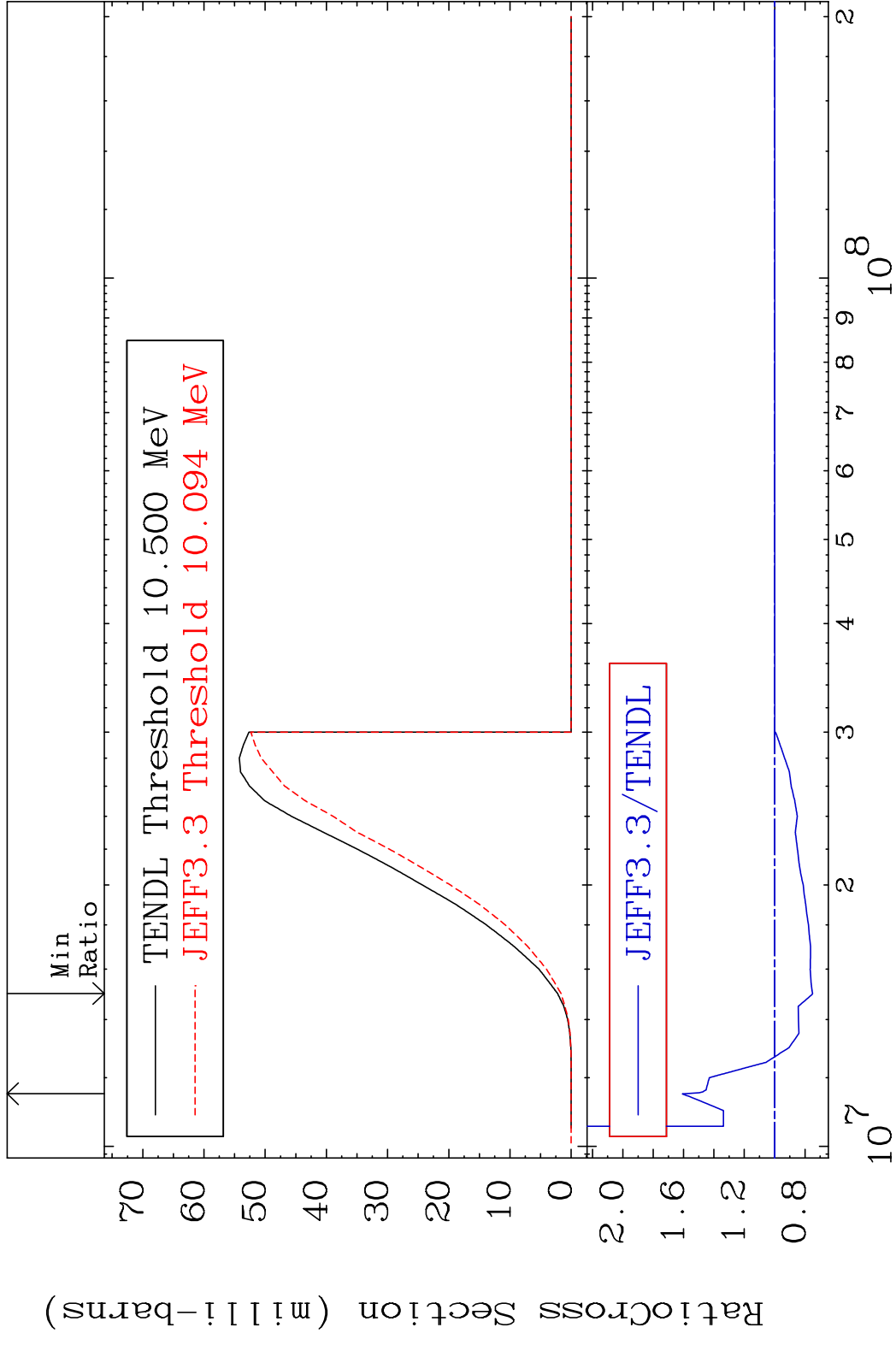
MAT 3834 (n, n') α :36-Kr-83g 38-Sr-87
 Radionuclide Production Cross Section Ratio



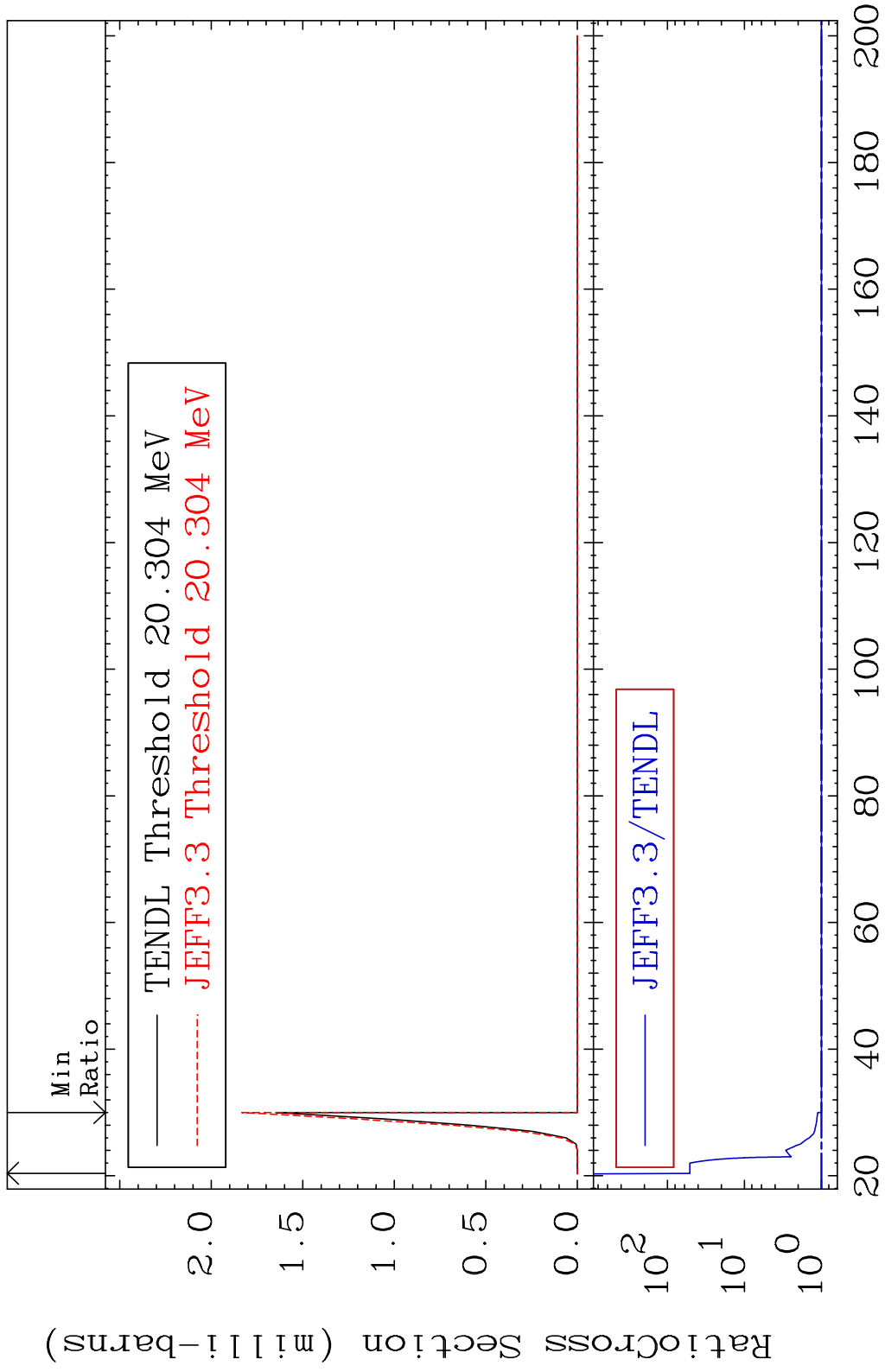
MAT 3834 (n, n') α :36-Kr-83m2 38-Sr-87
 Radionuclide Production Cross Section Ratio

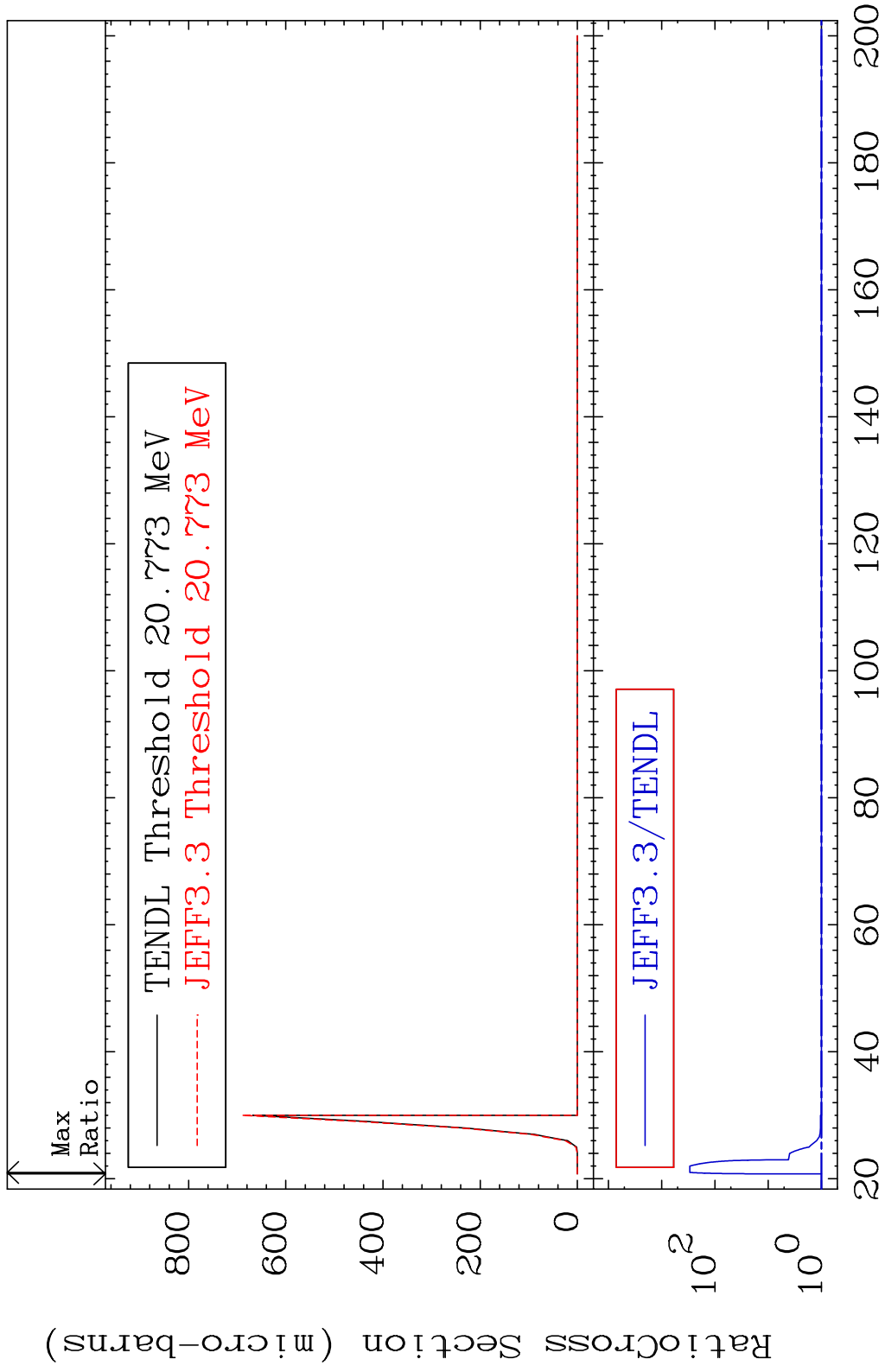


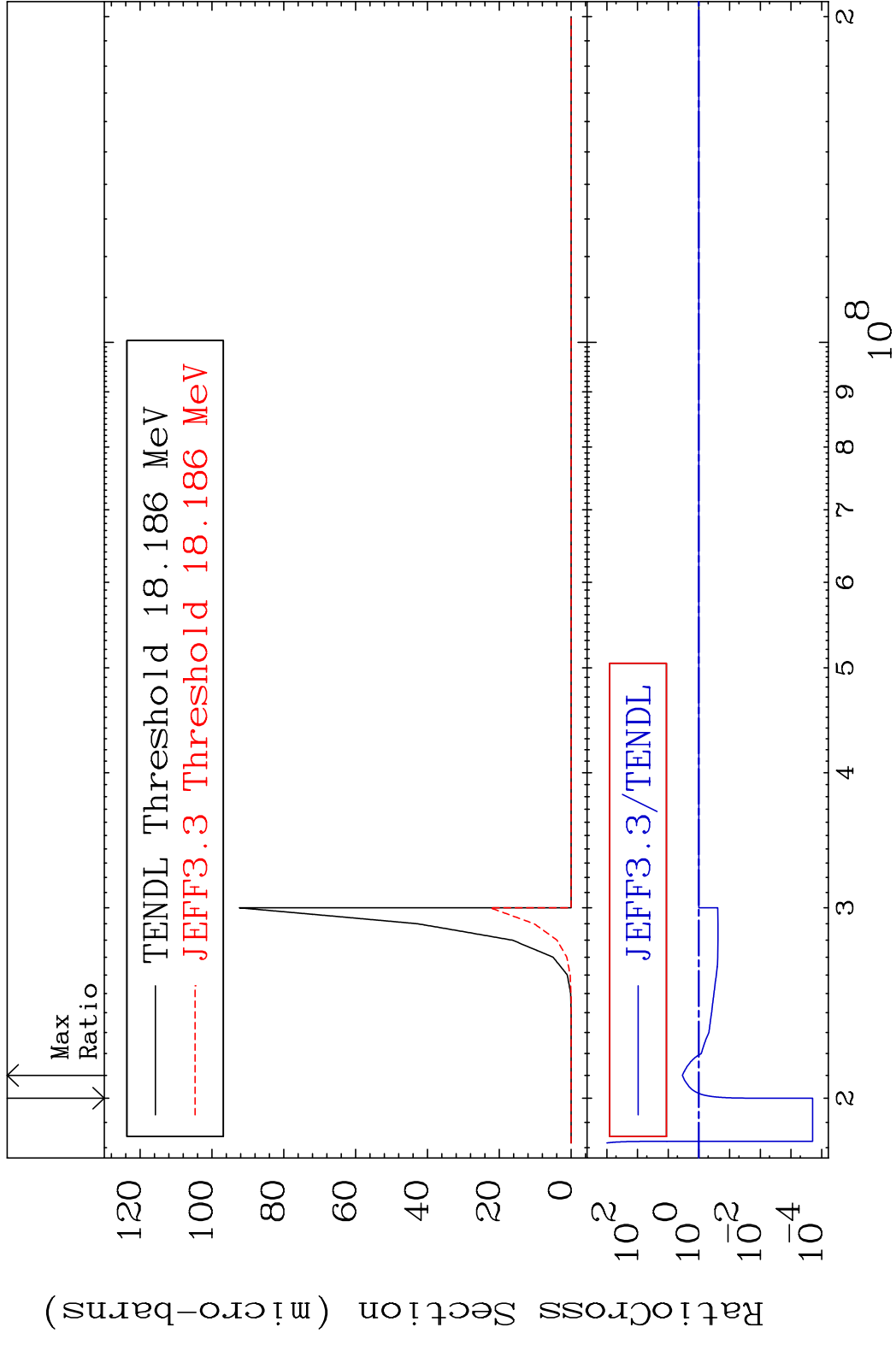


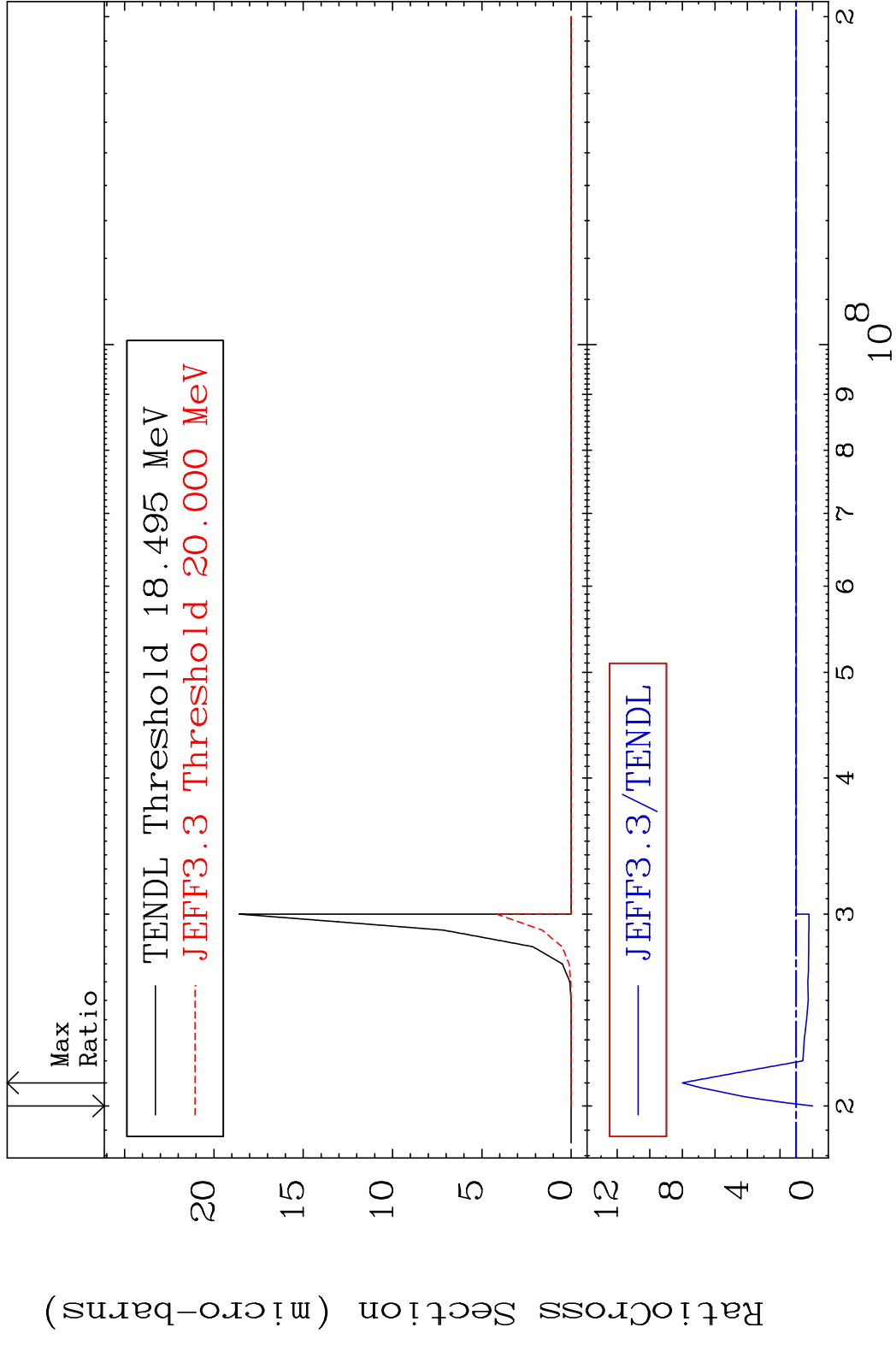


MAT 3834 (n, n') t:37-Rb-84g 38-Sr-87
 Radionuclide Production Cross Section 5035. %

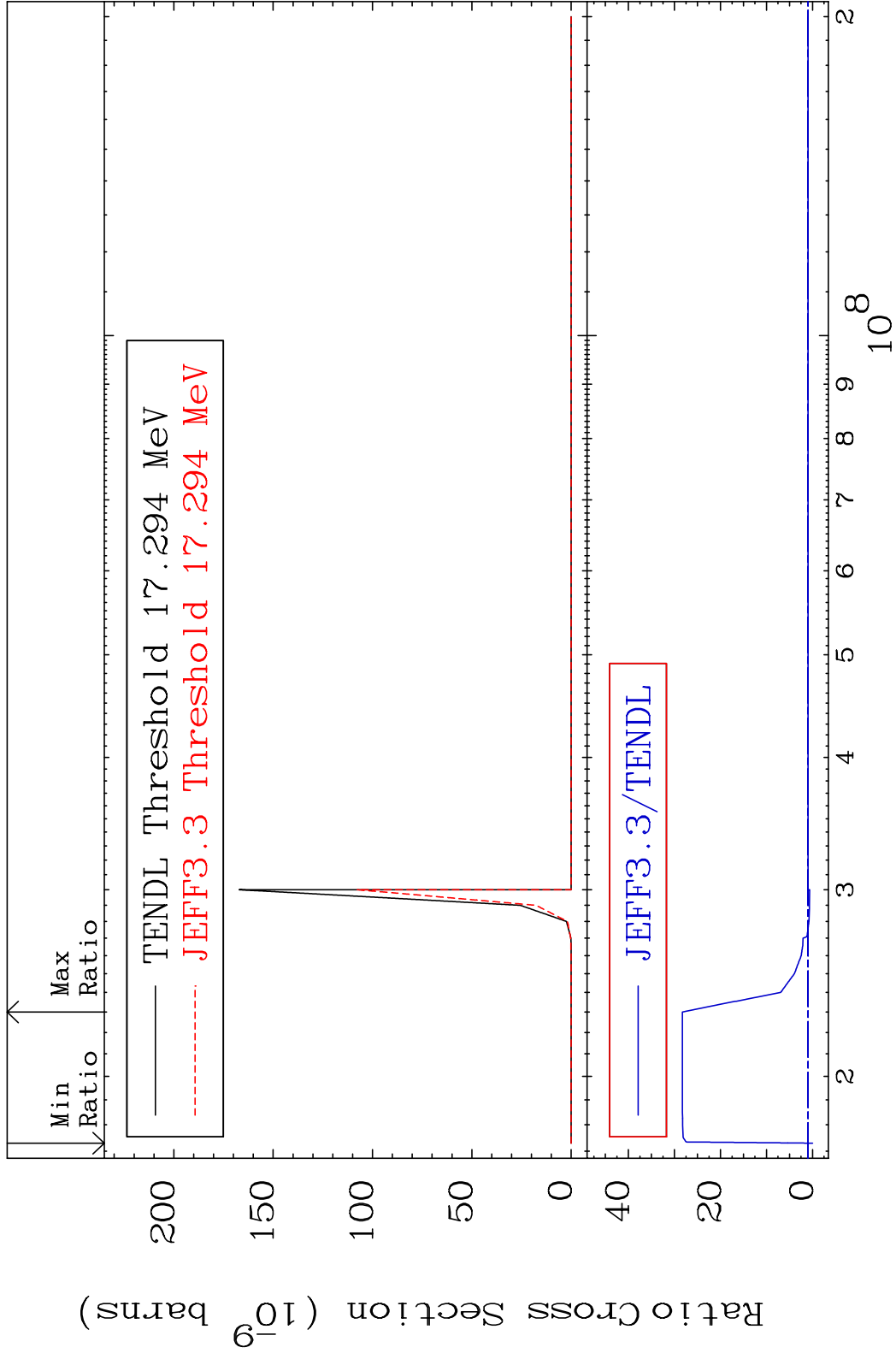


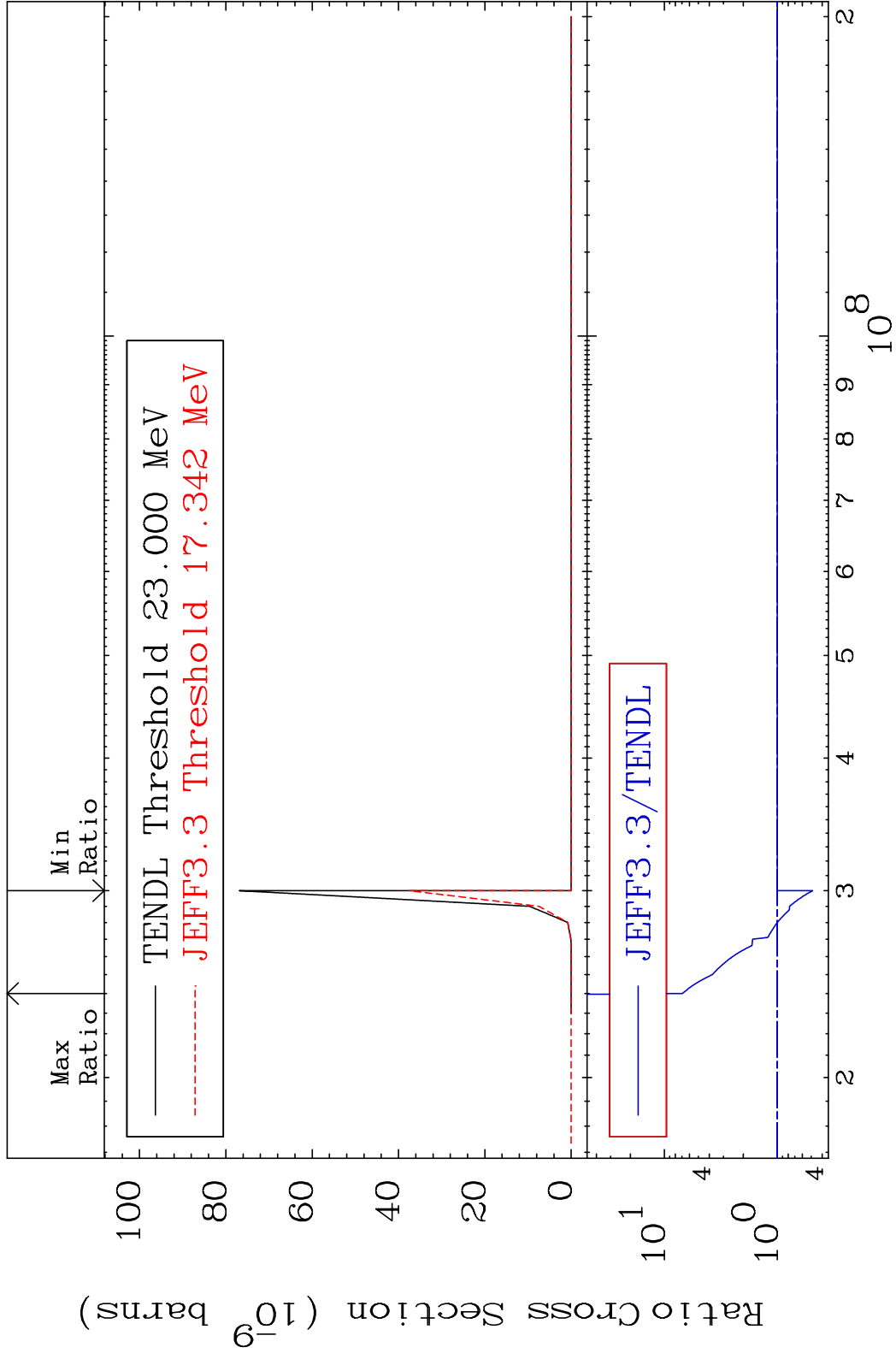




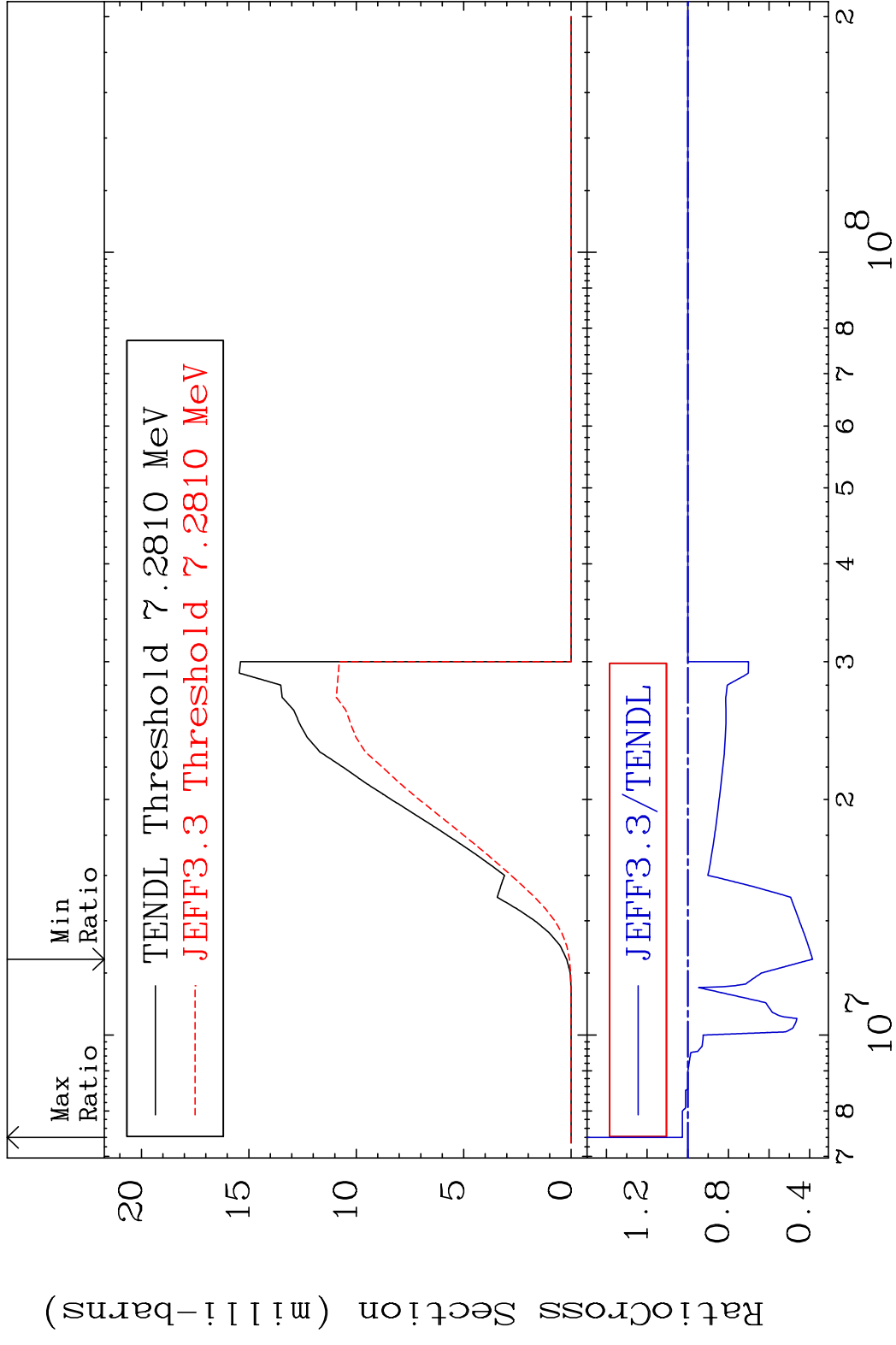


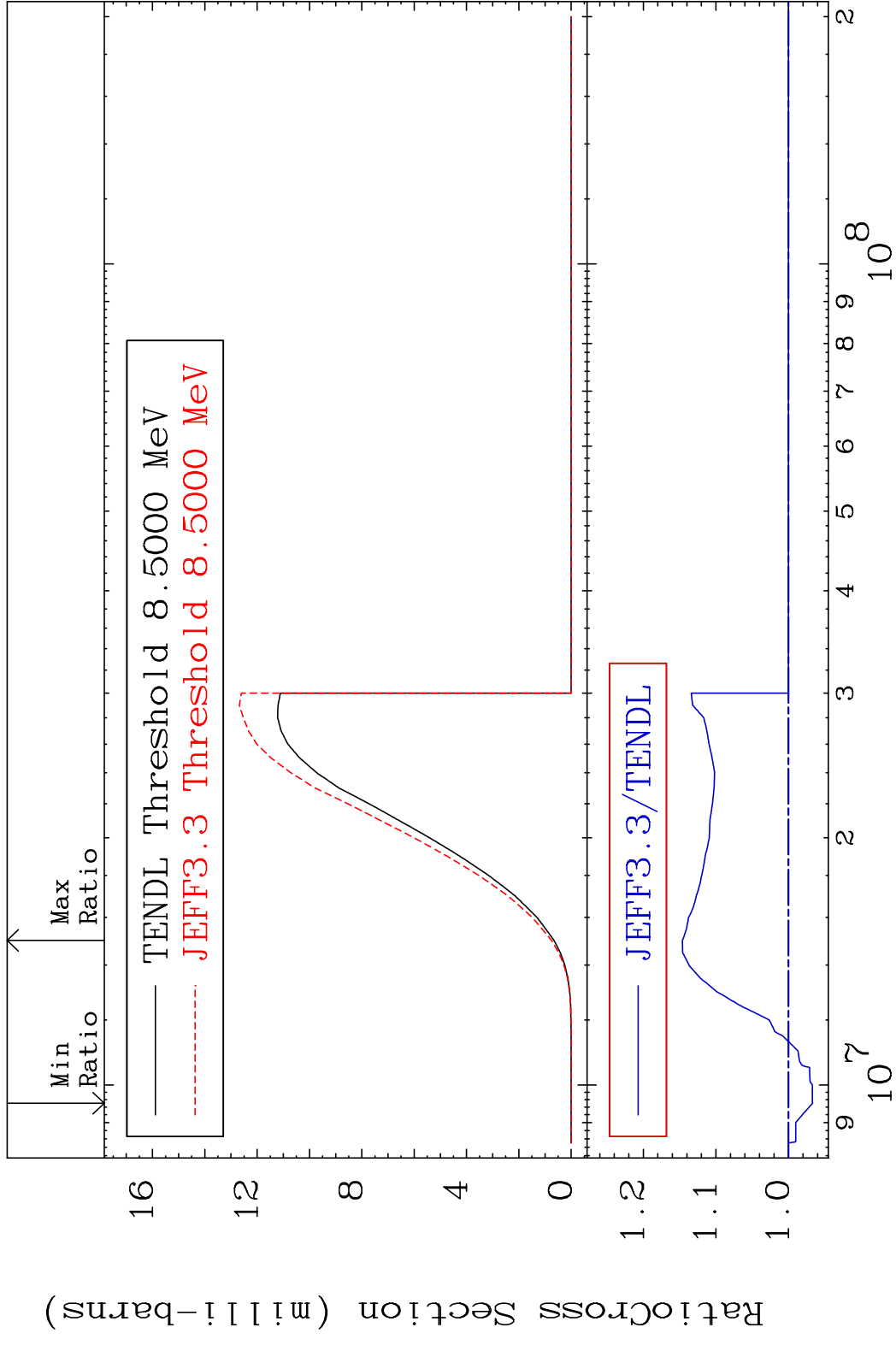
MAT 3834 (n, n') p α :35-Br-82g 38-Sr-87
 Radionuclide Production Cross Section Ratio 2728. %



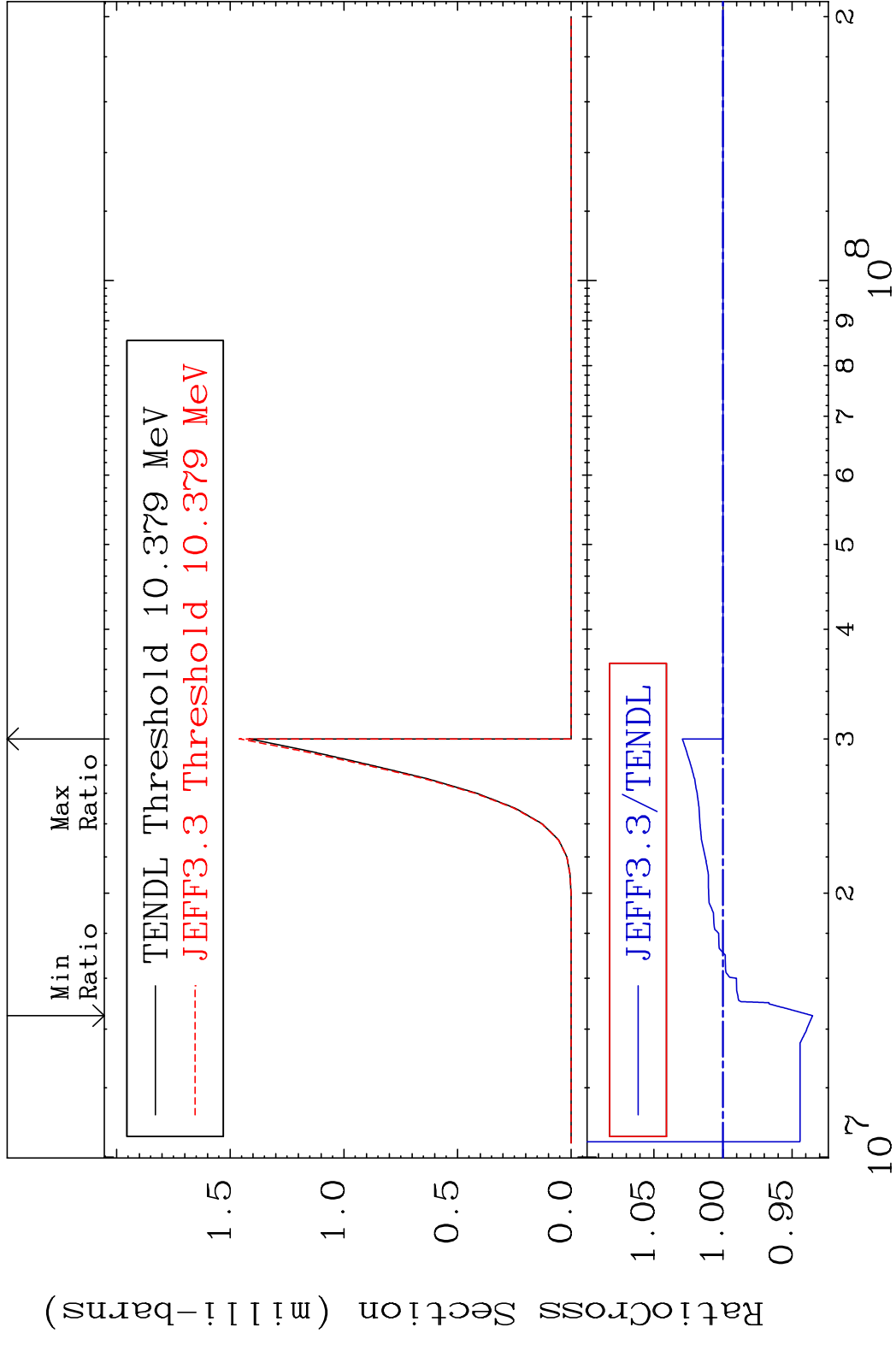


MAT 3834 (n, d): 37-Rb-86g 38-Sr-87
 Radionuclide Production Cross Section 684310 2.668 %



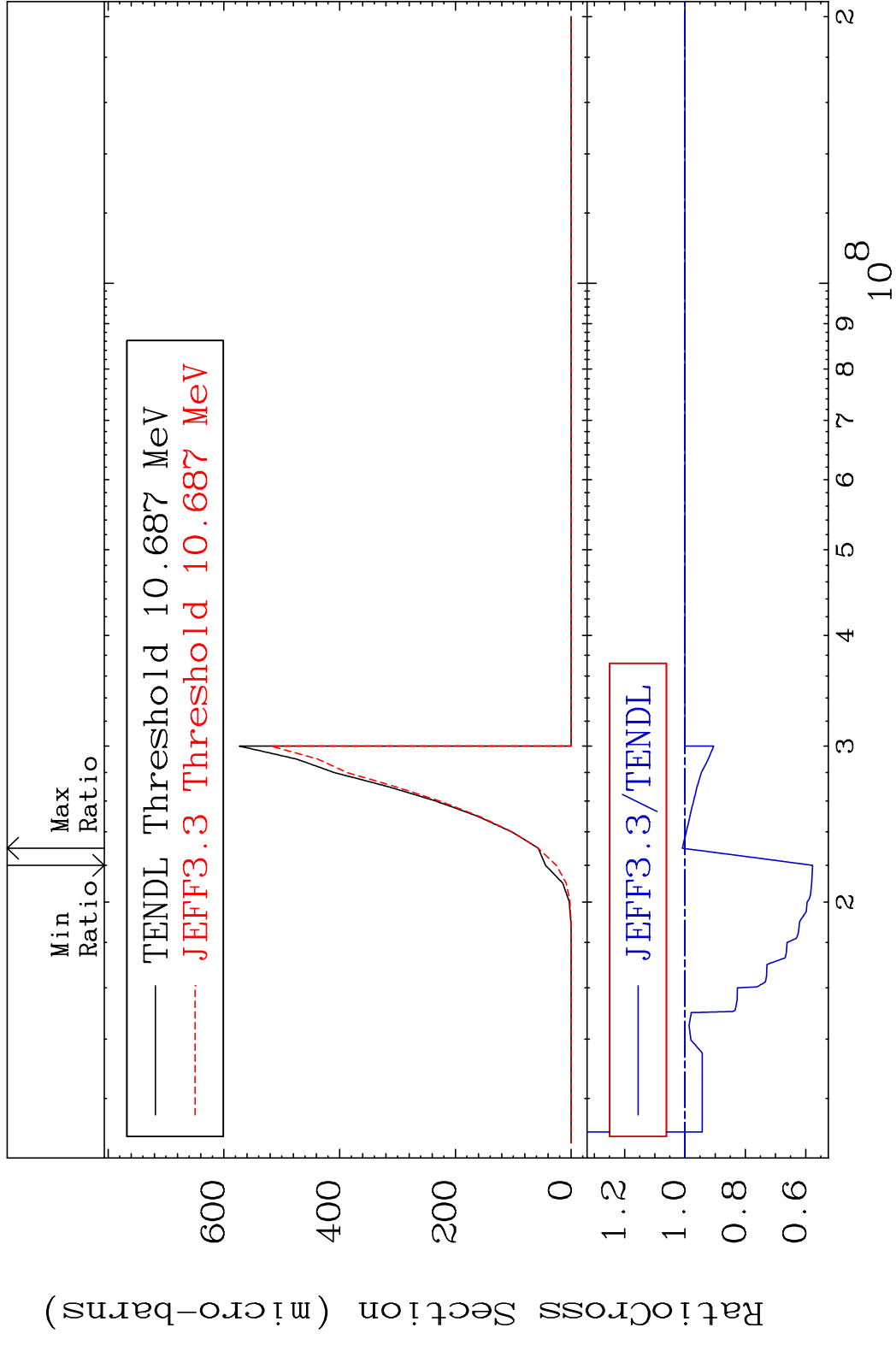


MAT 3834 (n, He-3):36-Kr-85g 38-Sr-87
 Radionuclide Production Cross Section (eV) to 2.935 %

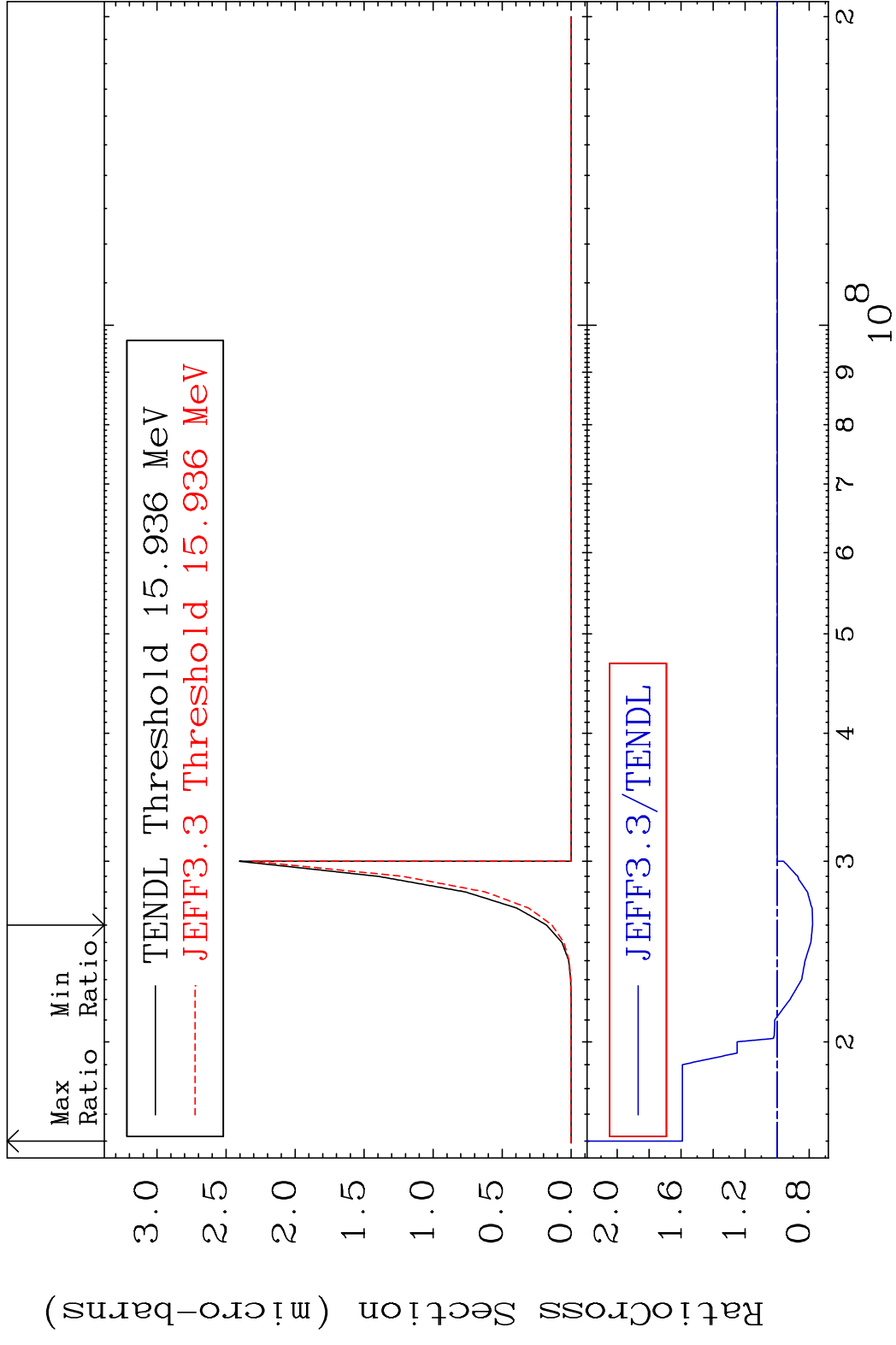


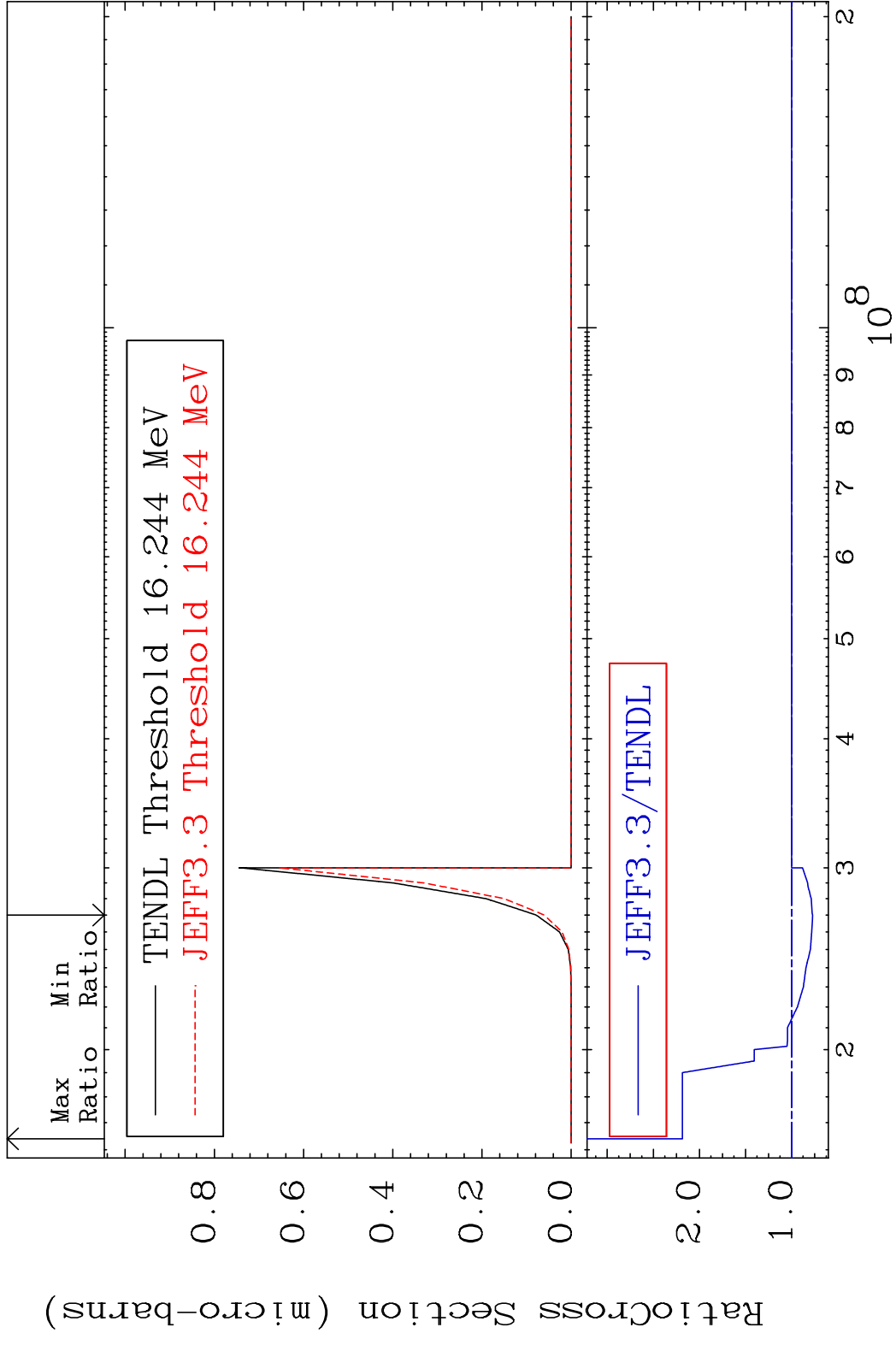
95 Incident Energy (eV) 38-Sr-87

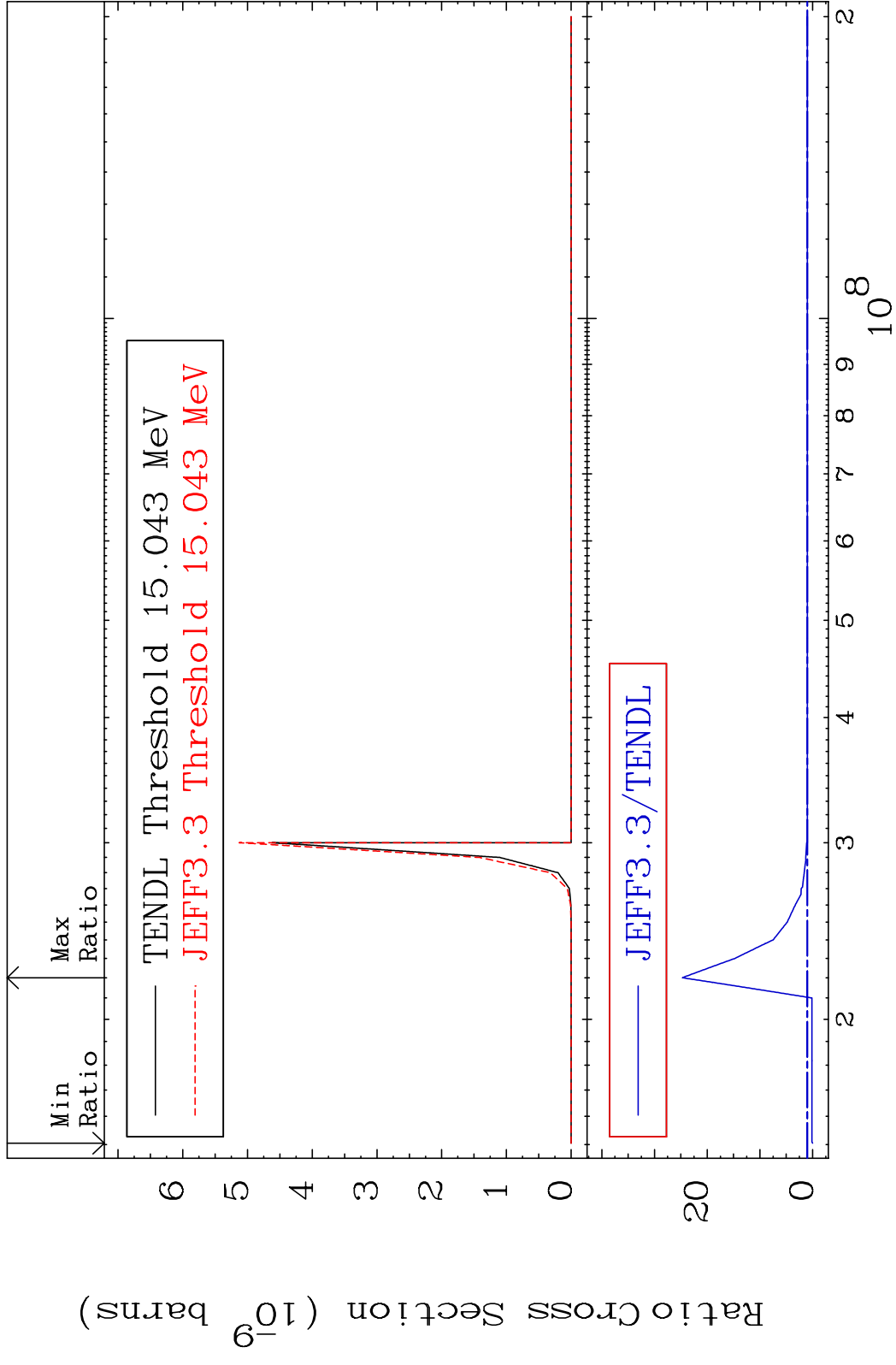
MAT 3834 (n, He-3) : 36-Kr-85m1 38-Sr-87
 Radionuclide Production Cross Section Ratio 0.856 %



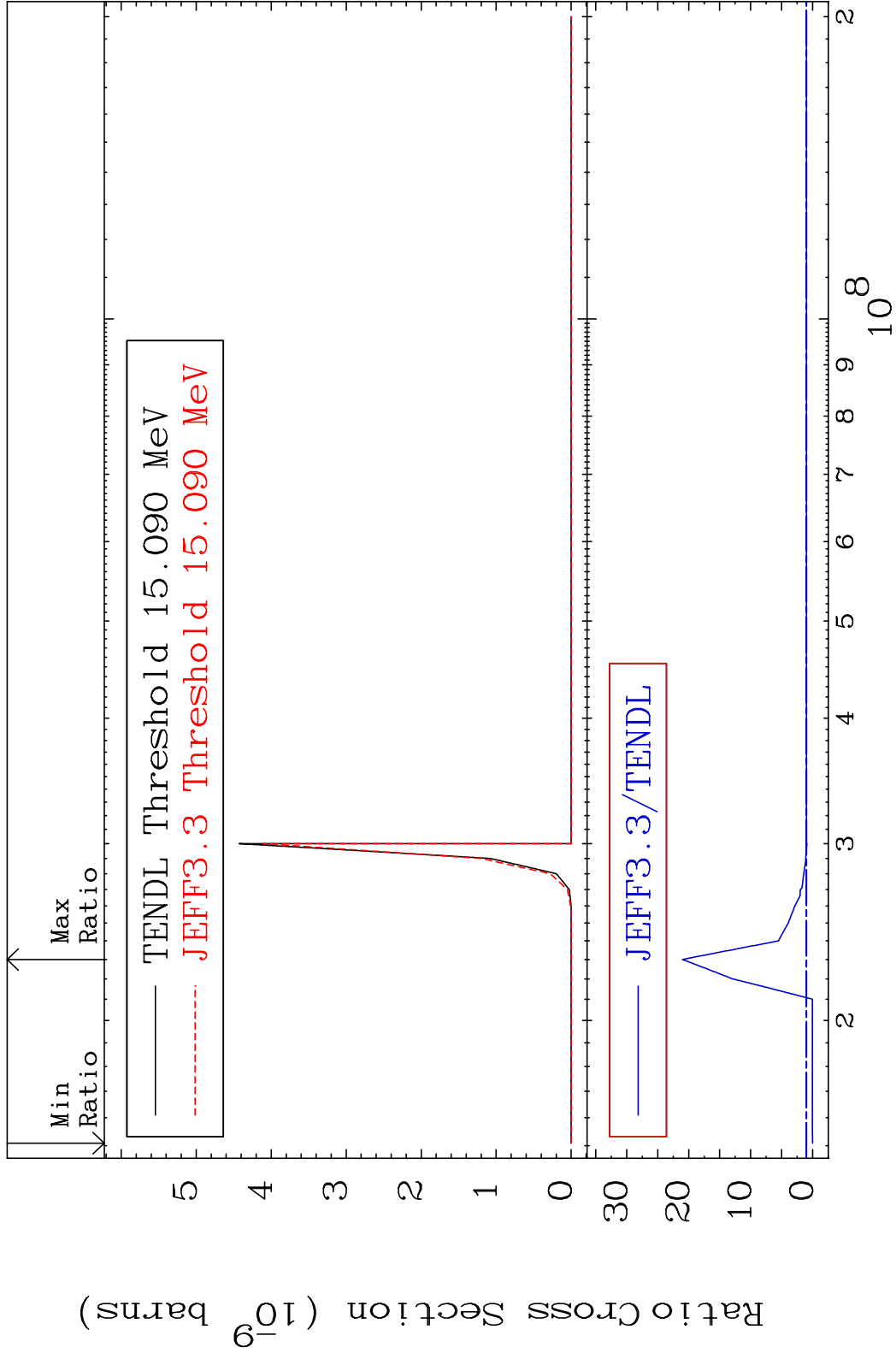
MAT 3834 (n, p) d:36-Kr-85g 38-Sr-87
 Radionuclide Production Cross Section 59.23 %







MAT 3834 (n, d) α :35-Br-82m1 38-Sr-87
 Radionuclide Production Cross Section 2002. %



100 Incident Energy (eV) 38-Sr-87