

Program Complot
(Version 2021-1)

by

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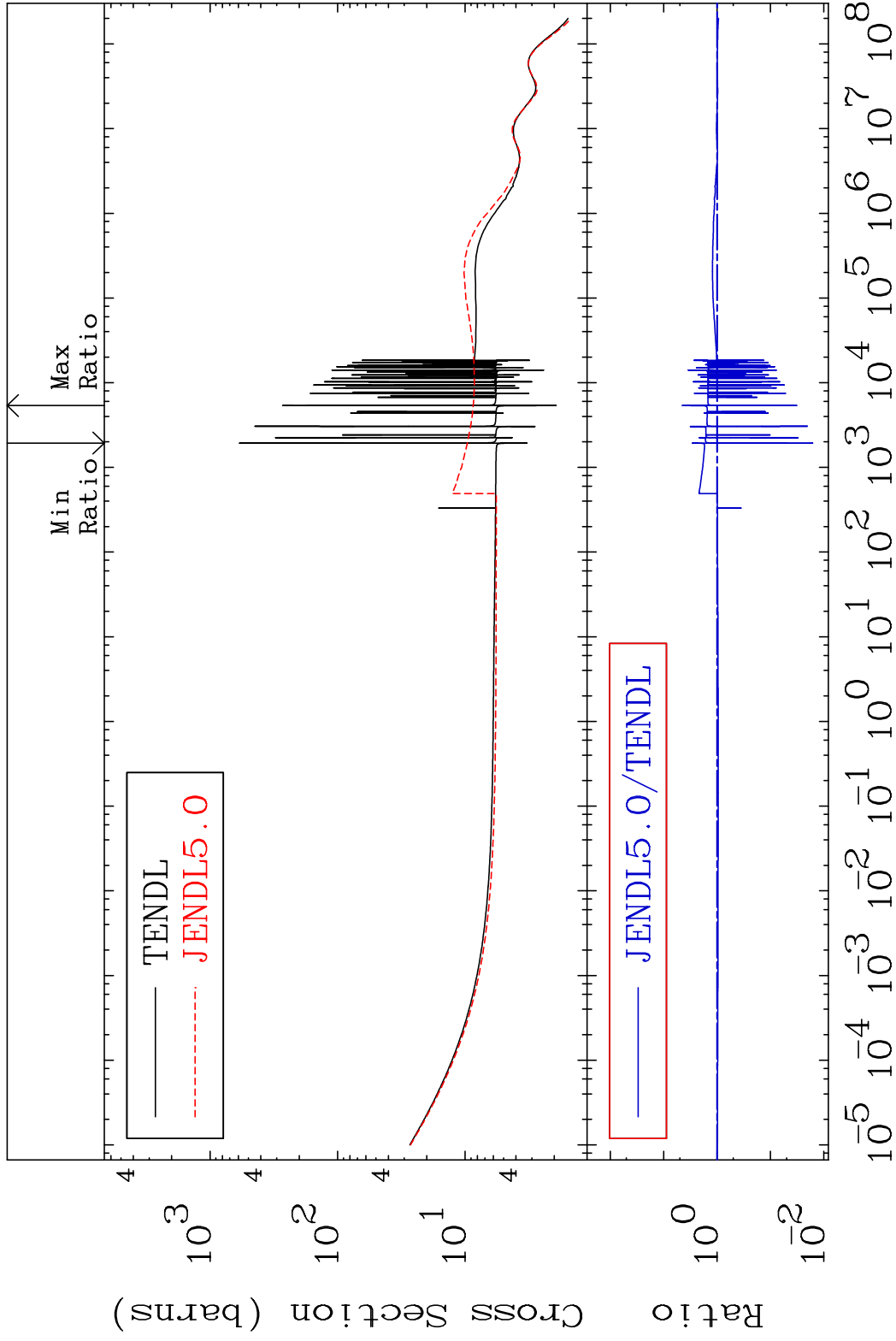
Press Mouse Button to Start

MAT 3840

Total

38-Sr-89

Cross Section -98.37 To 347.6 %



1

Incident Energy (eV)

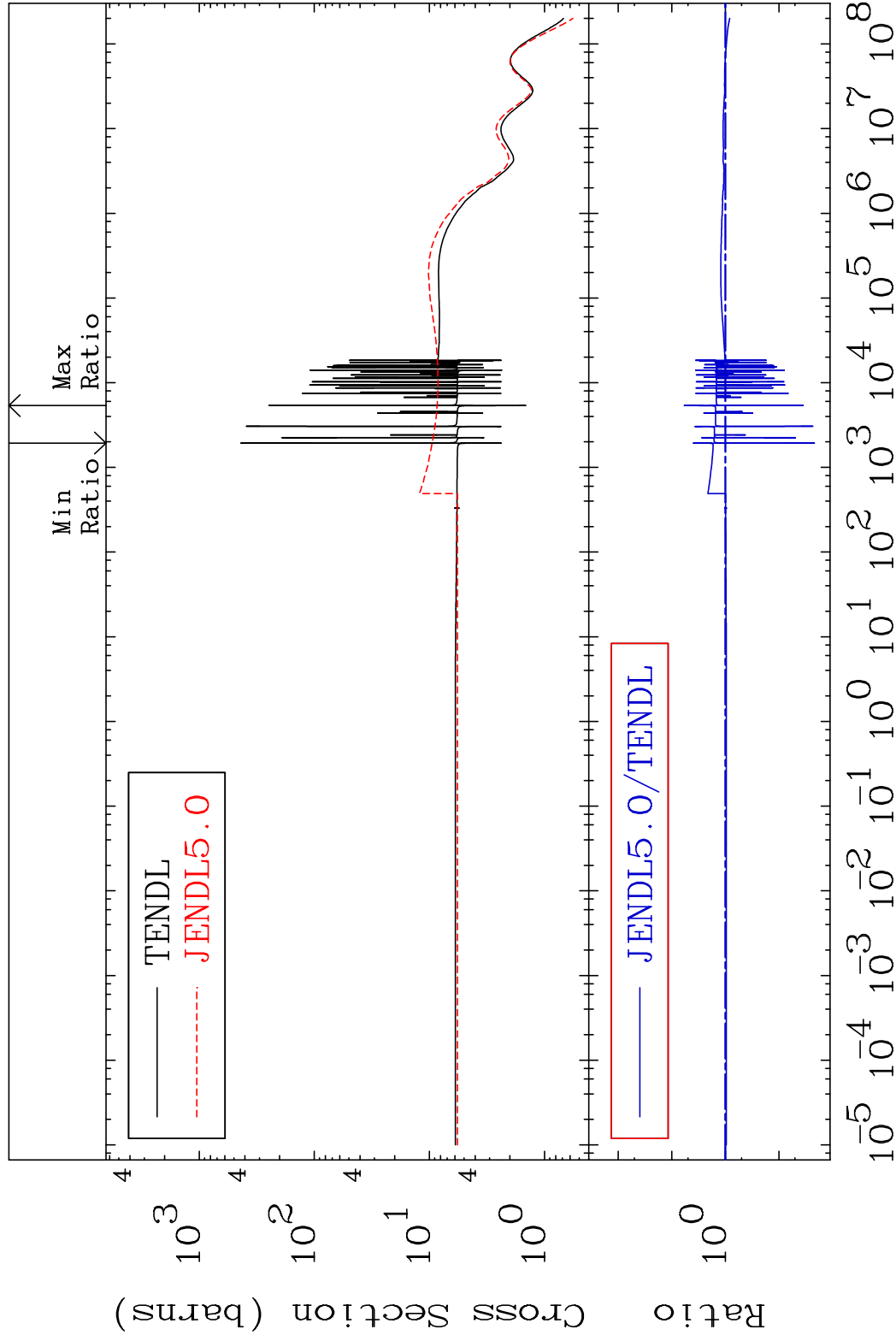
38-Sr-89

MAT 3840

Elastic

38-Sr-89

Cross Section -97.82 To 490.1 %

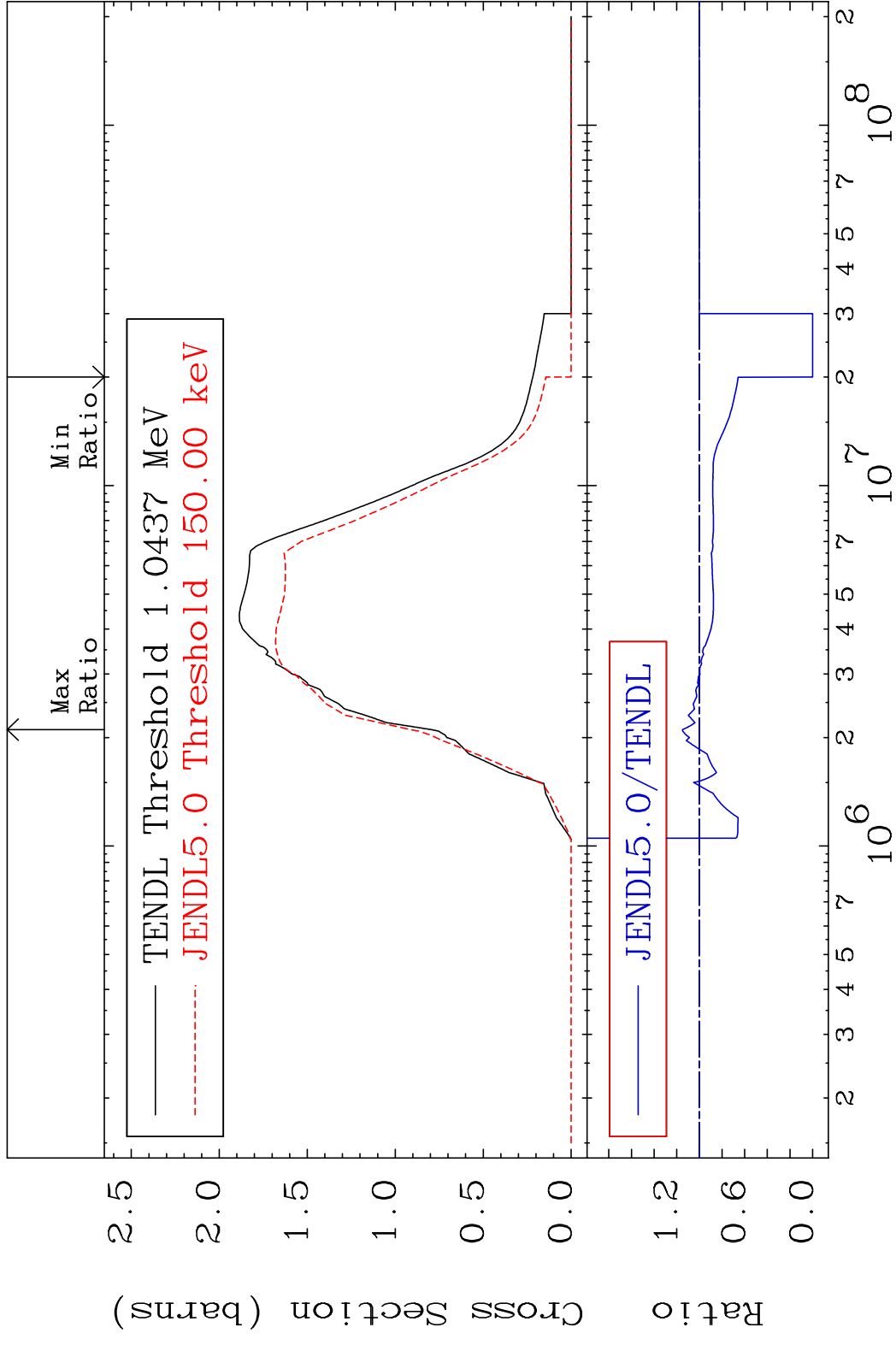


2

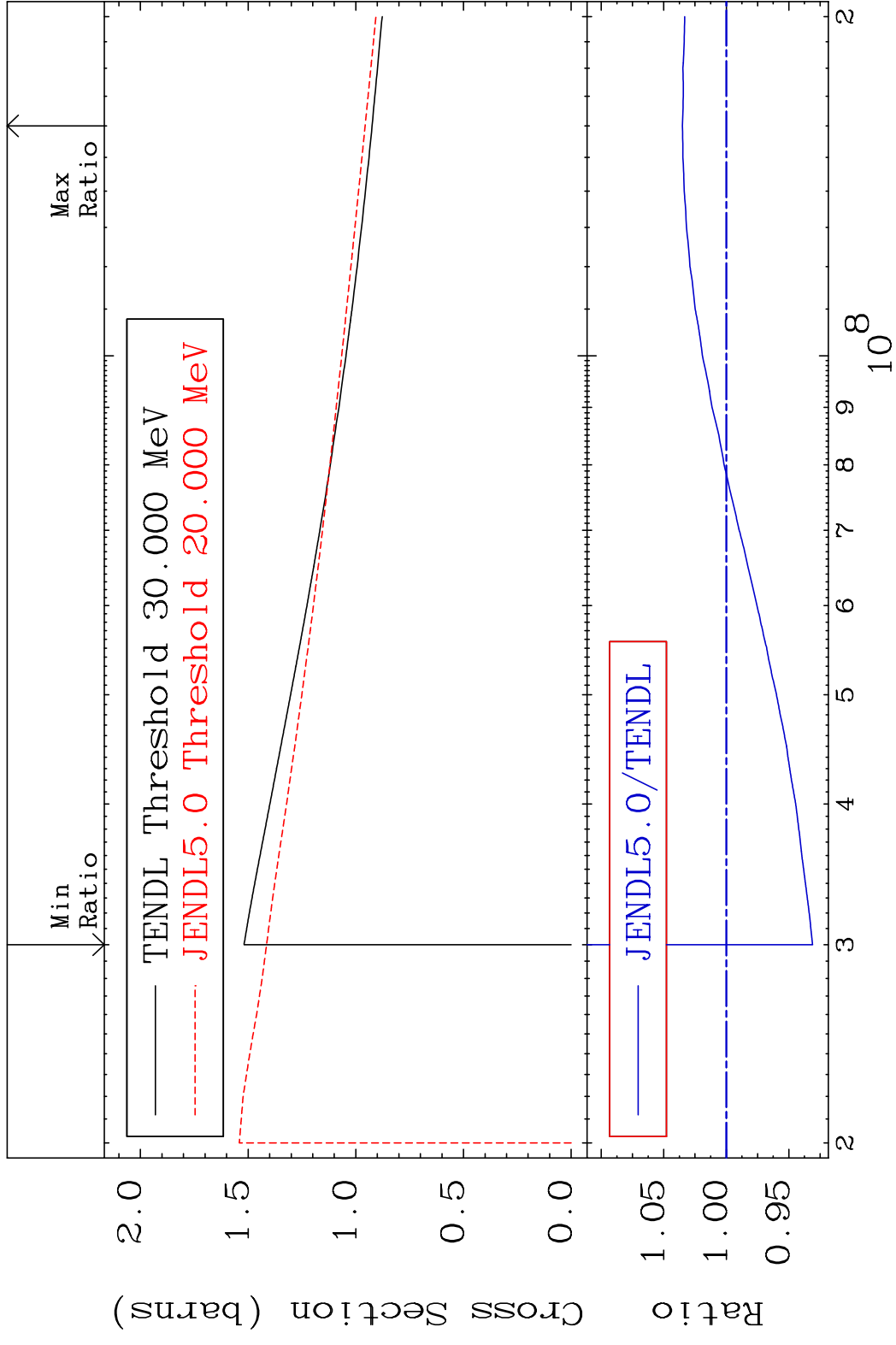
Incident Energy (eV)

38-Sr-89

MAT 3840 Inelastic Cross Section -100.0 To 15.03 % 38-Sr-89

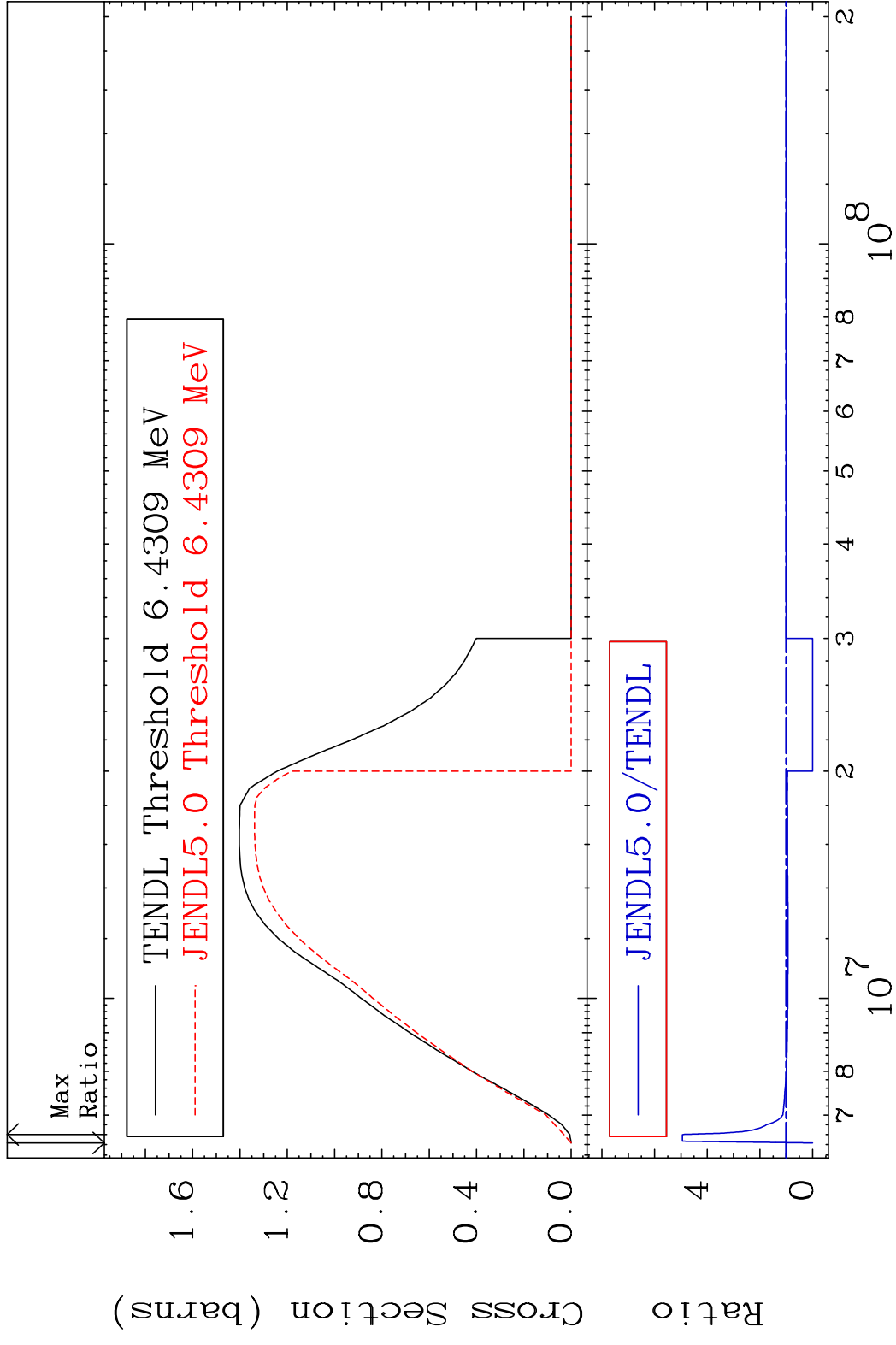


MAT 3840 (n, remainder) 38-Sr-89
 Cross Section -6.896 To 3.513 %



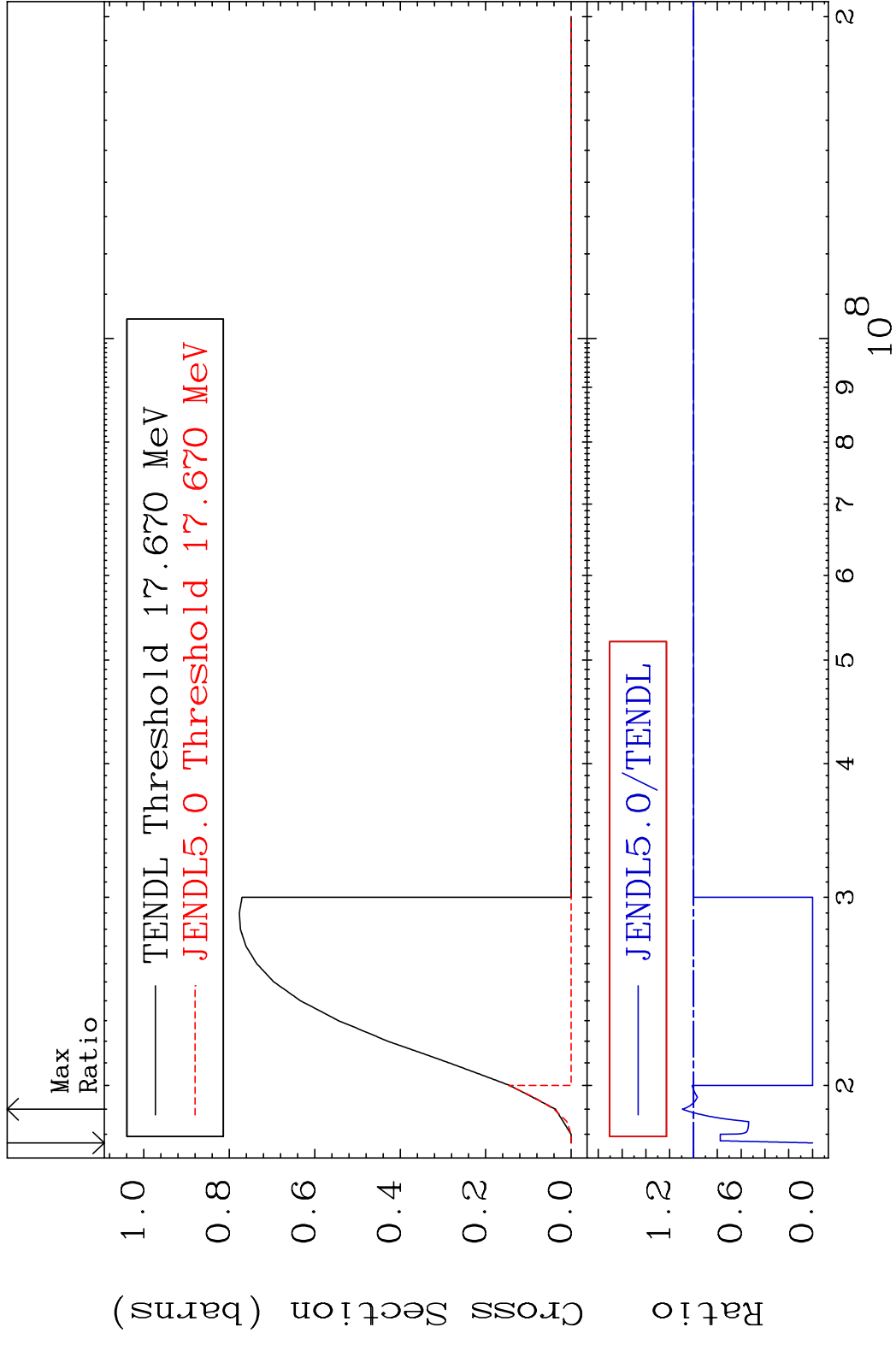
4 Incident Energy (eV) 38-Sr-89

MAT 3840 (n,2n) 38-Sr-89
 Cross Section -100.0 To 394.6 %

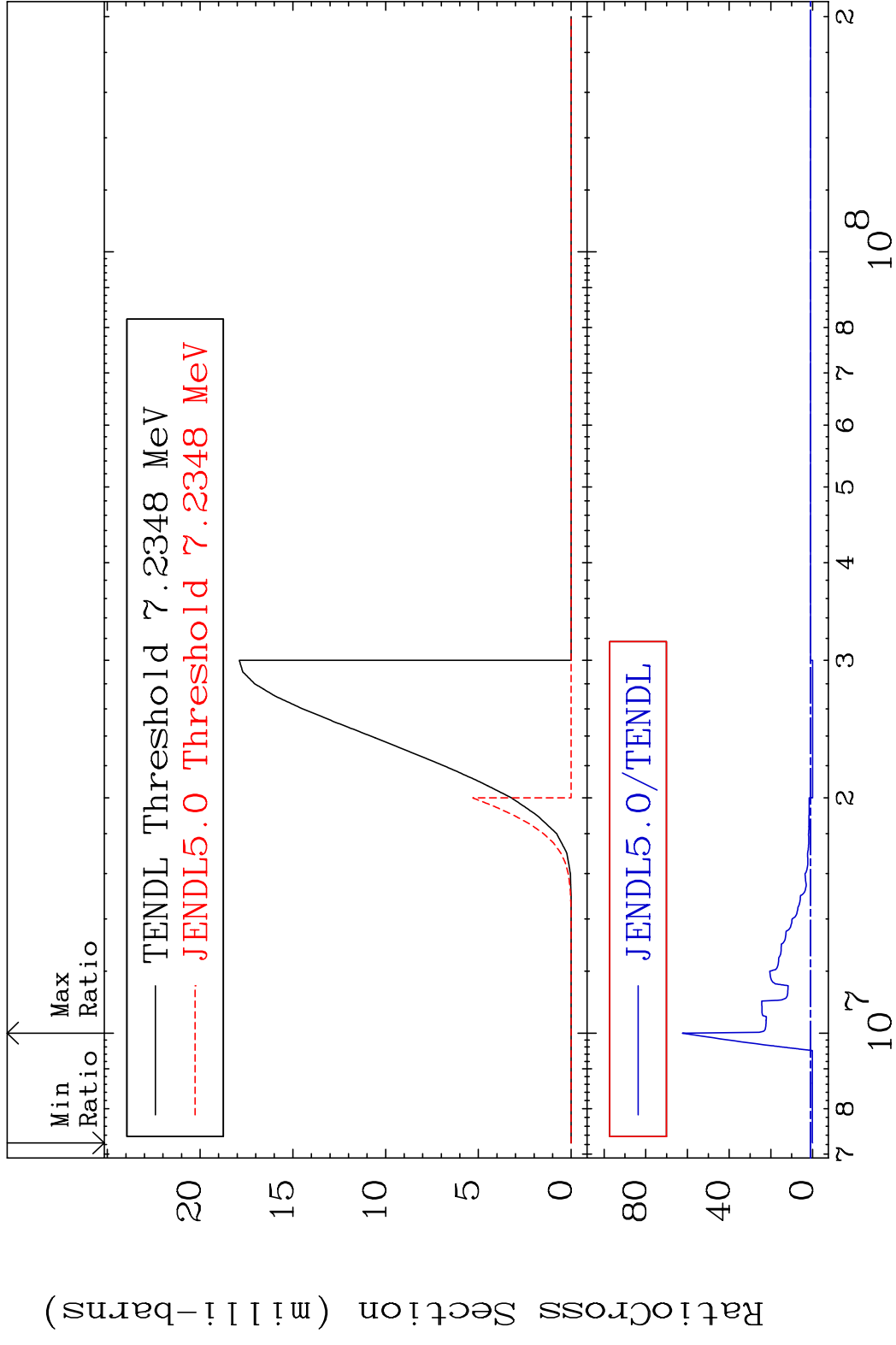


5 Incident Energy (eV) 38-Sr-89

MAT 3840 (n,3n) 38-Sr-89
 Cross Section -100.0 To 9.379 %

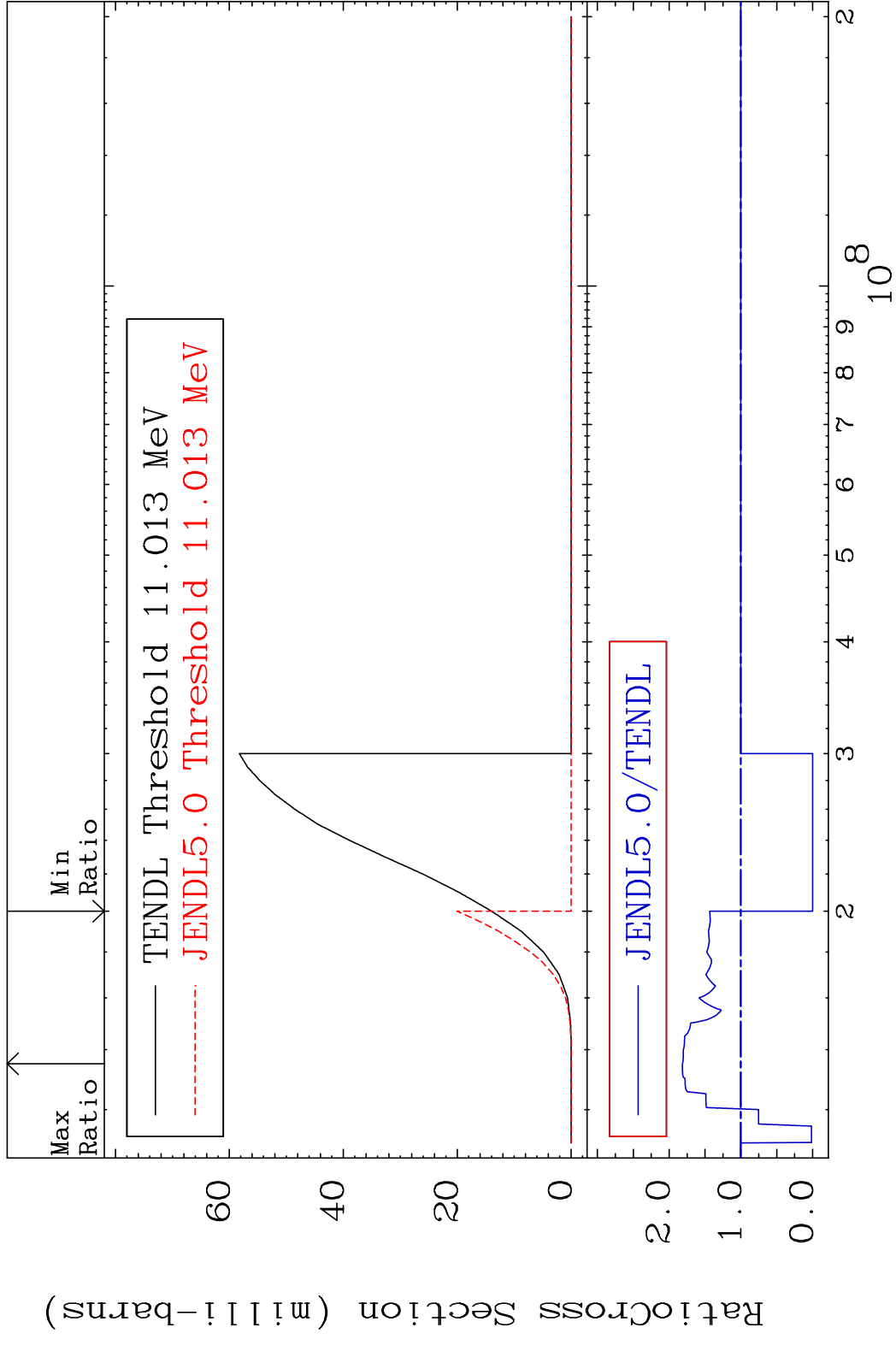


MAT 3840 (n, n') α 38-Sr-89
 Cross Section -100.0 To 6145. %

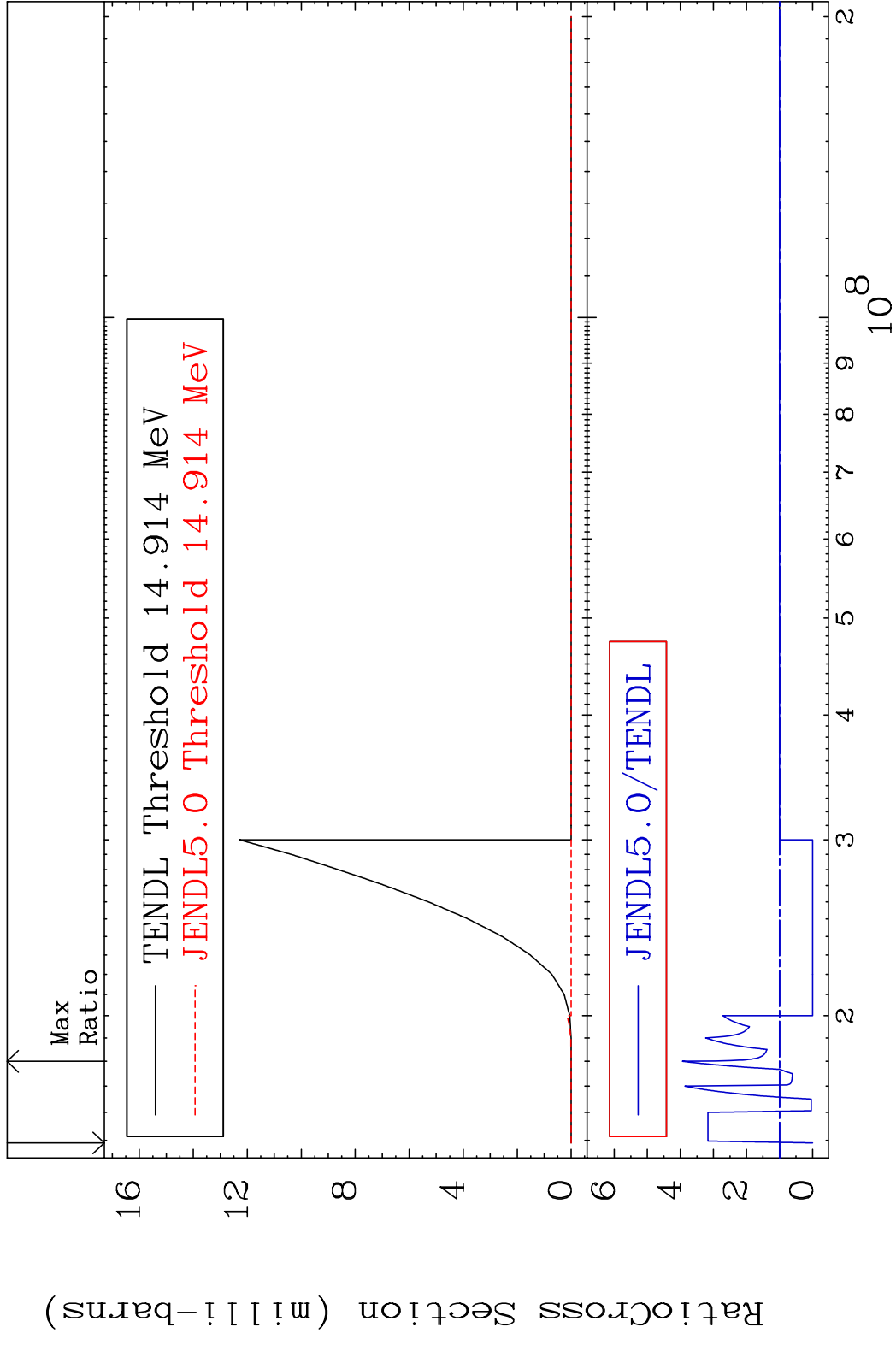


7 Incident Energy (eV) 38-Sr-89

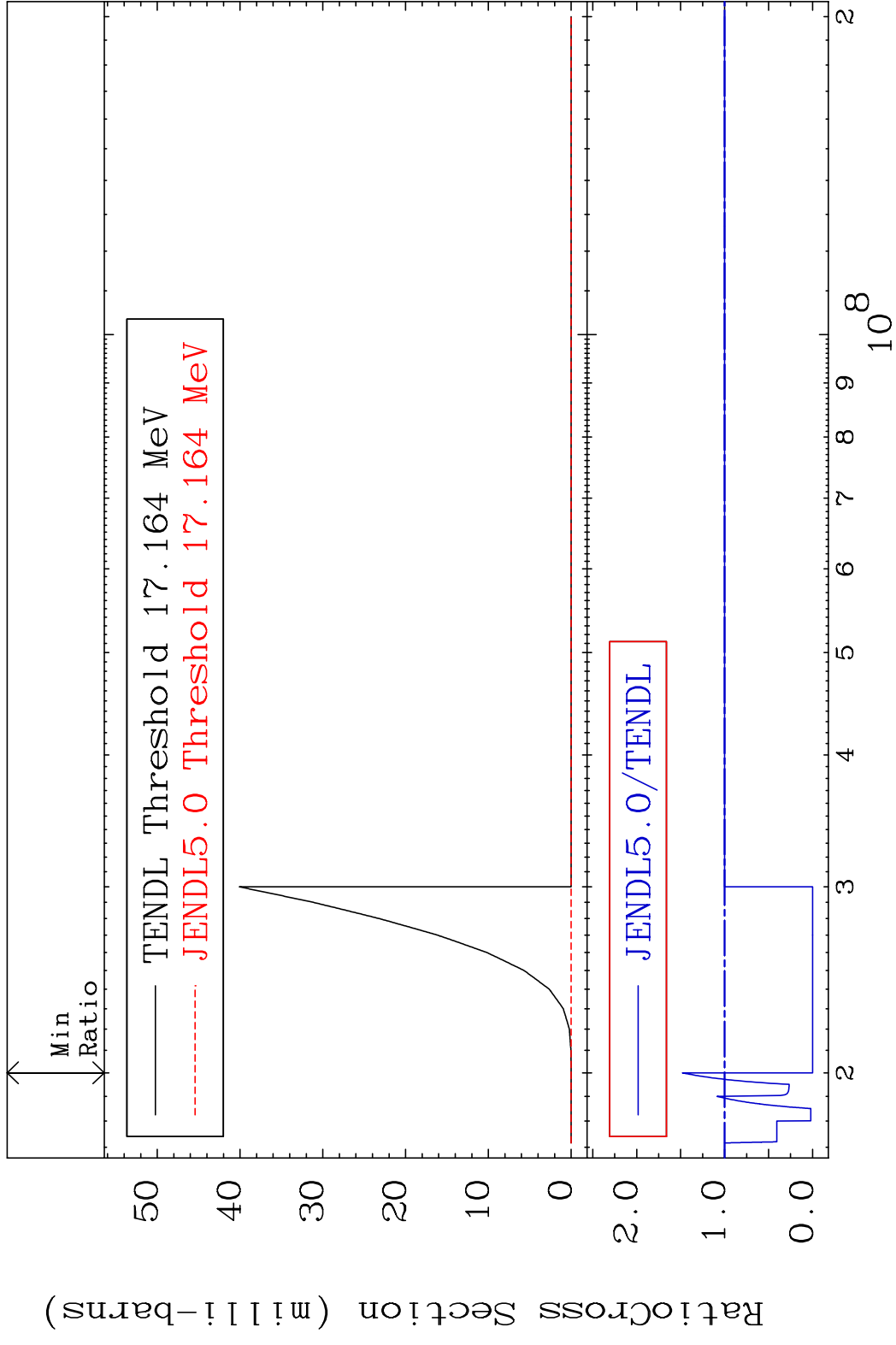
MAT 3840 (n, n') p 38-Sr-89
 Cross Section -100.0 To 81.57 %



MAT 3840 (n, n') d 38-Sr-89
 Cross Section -100.0 To 294.0 %

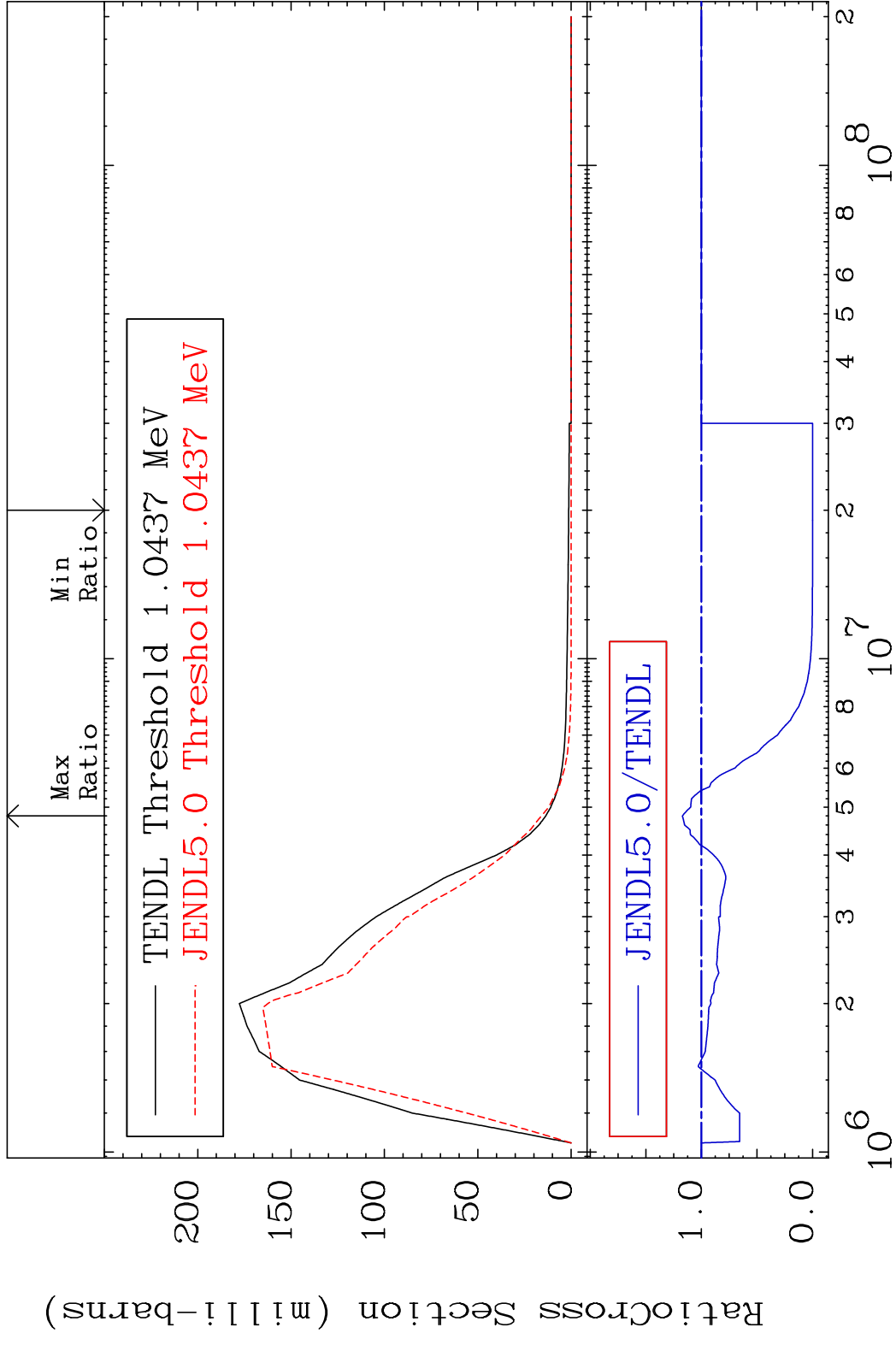


MAT 3840 (n,2n) p 38-Sr-89
 Cross Section -100.0 To 48.09 %



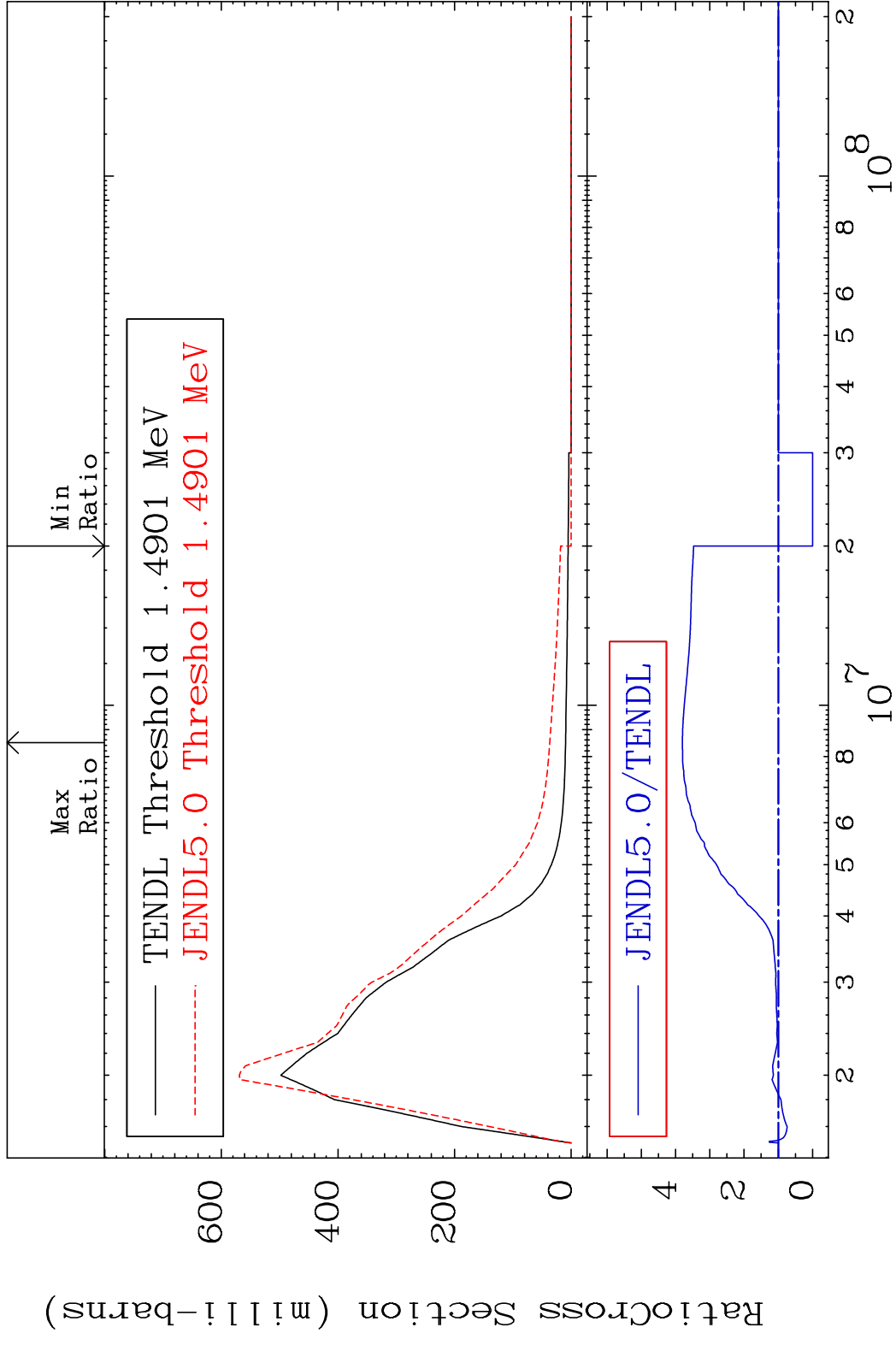
10 Incident Energy (eV) 38-Sr-89

MAT 3840 MT= 51 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 17.16 %

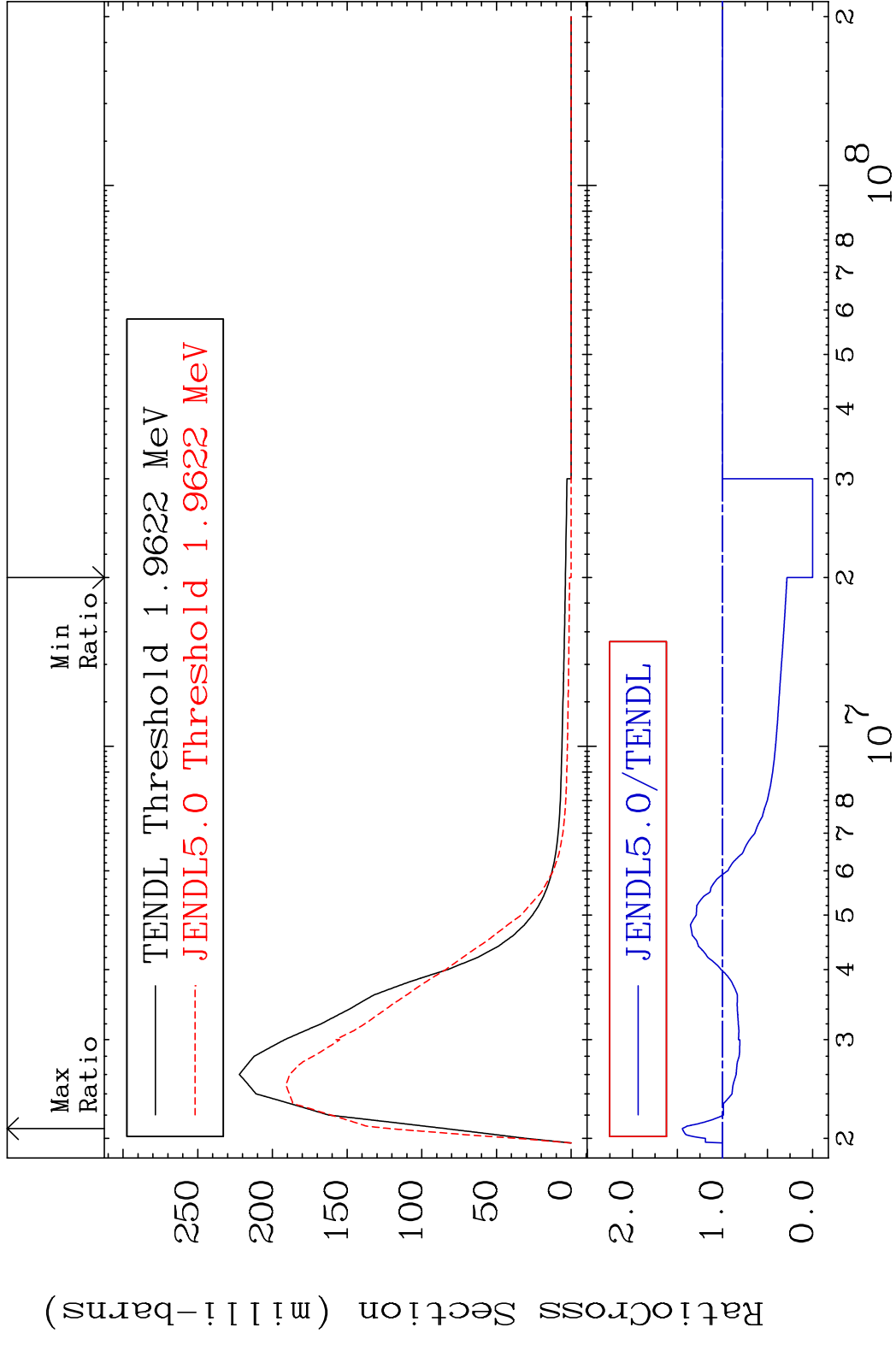


11 Incident Energy (eV) 38-Sr-89

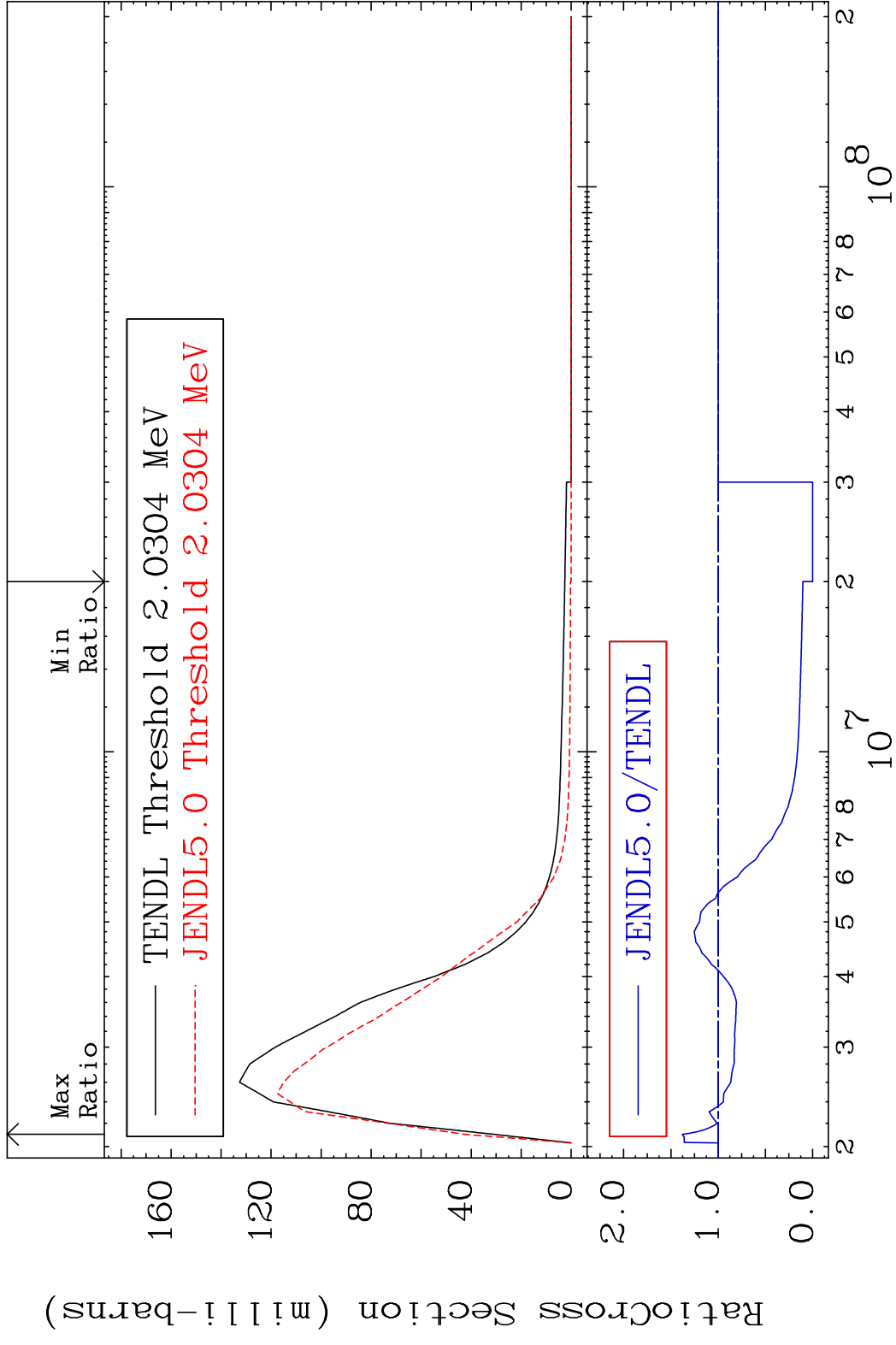
MAT 3840 MT= 52 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 280.1 %



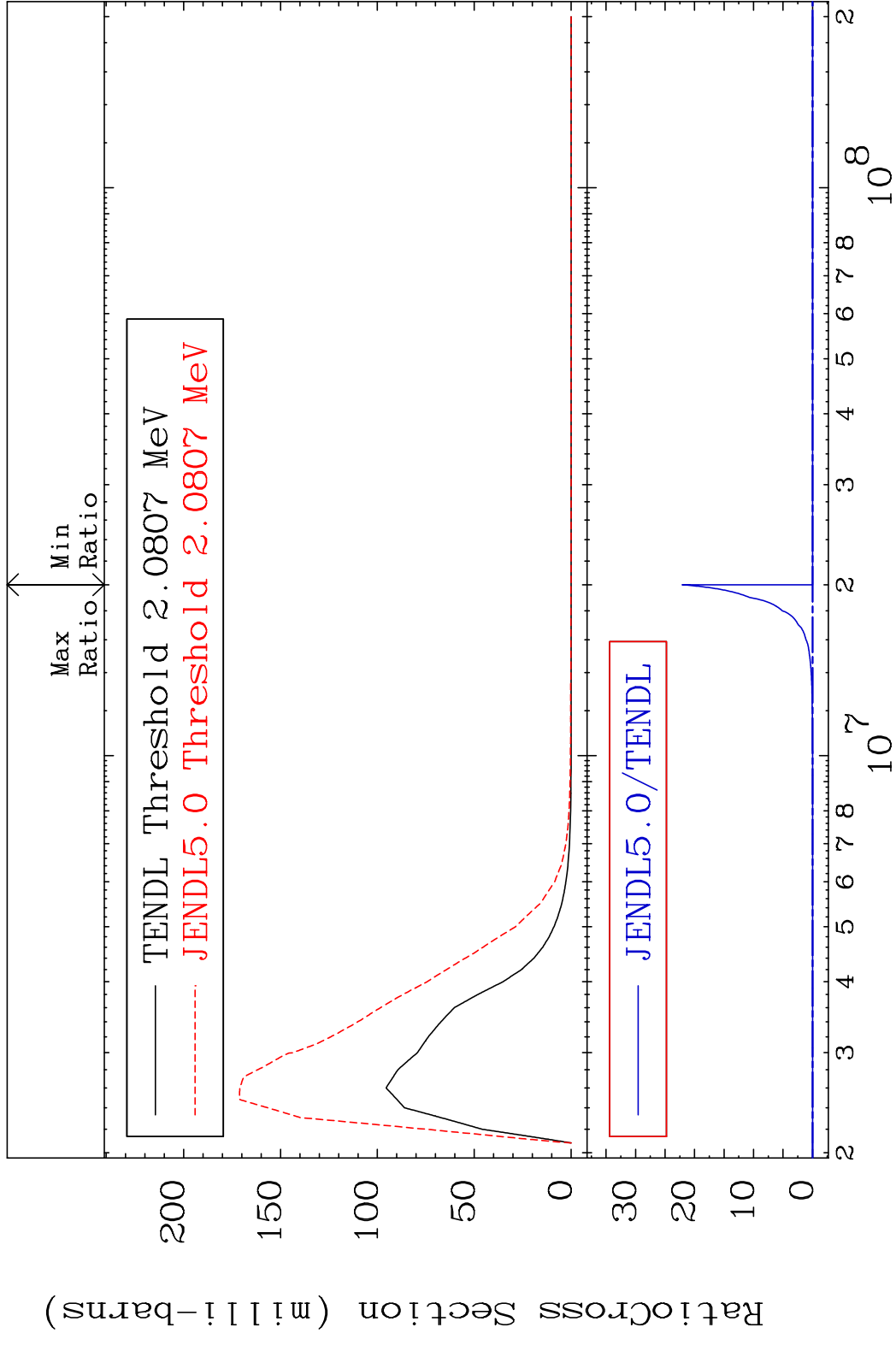
MAT 3840 MT= 53 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 44.55 %



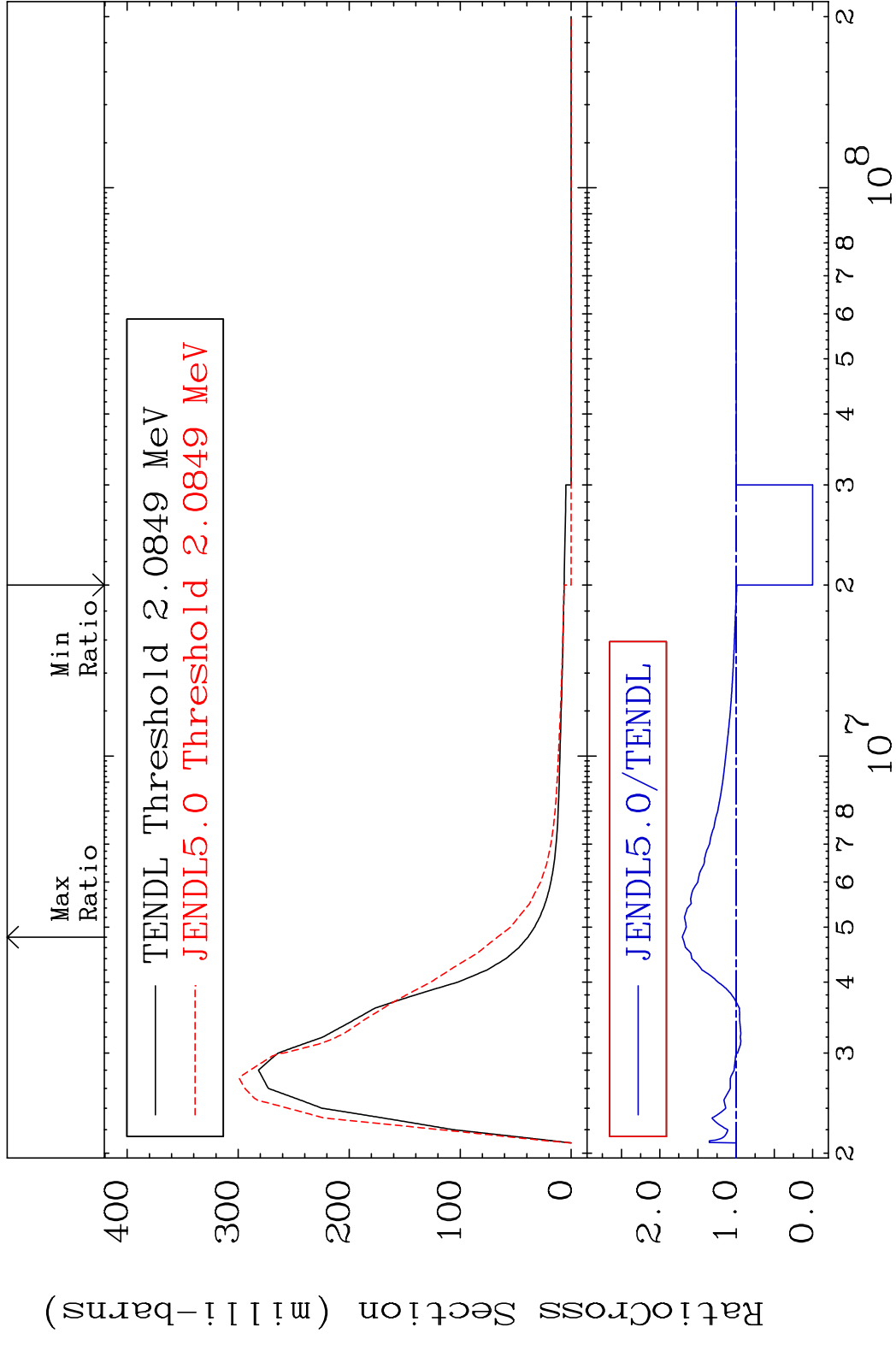
MAT 3840 MT= 54 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 37.85 %



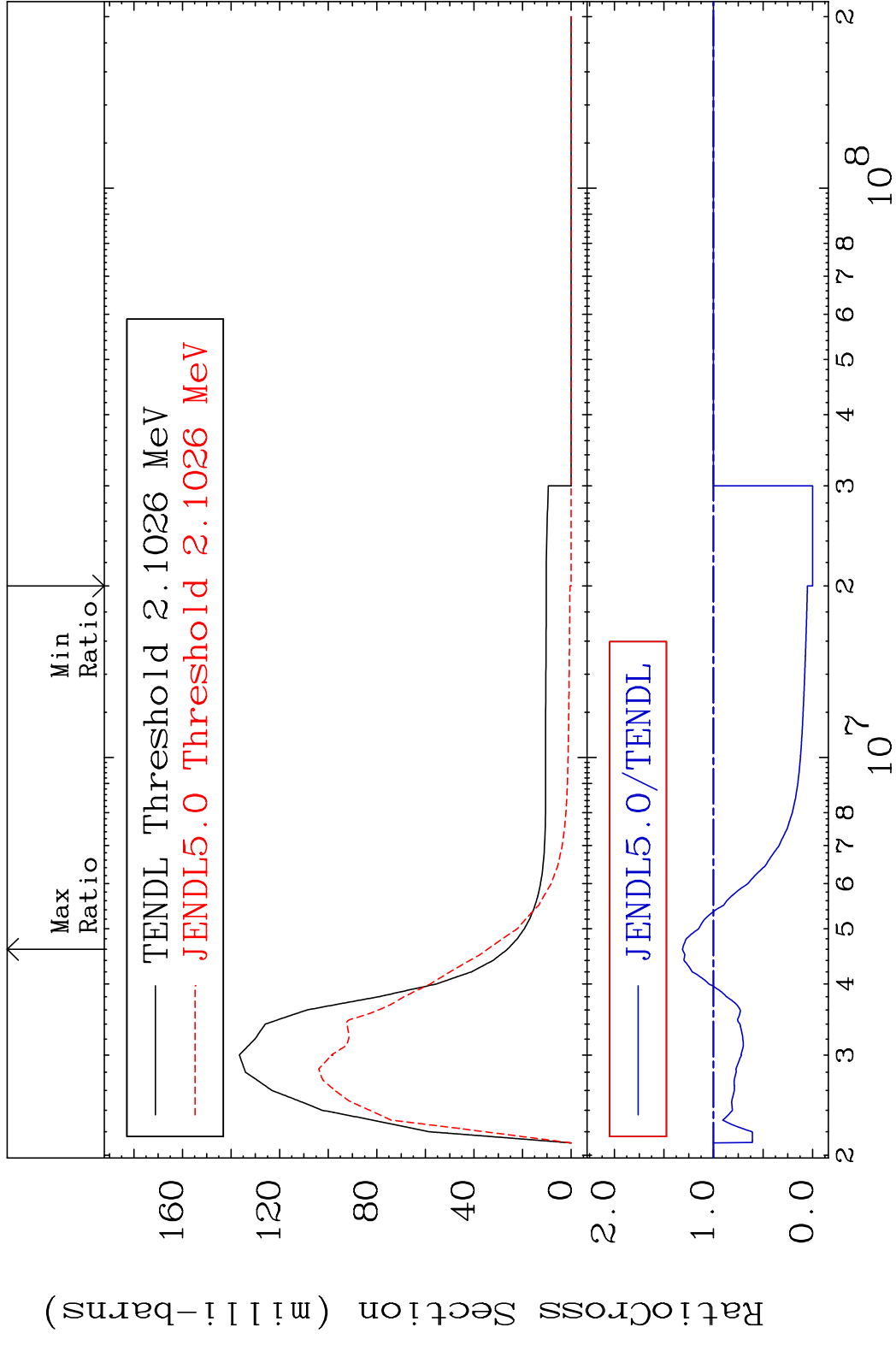
MAT 3840 MT= 55 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 9999. %



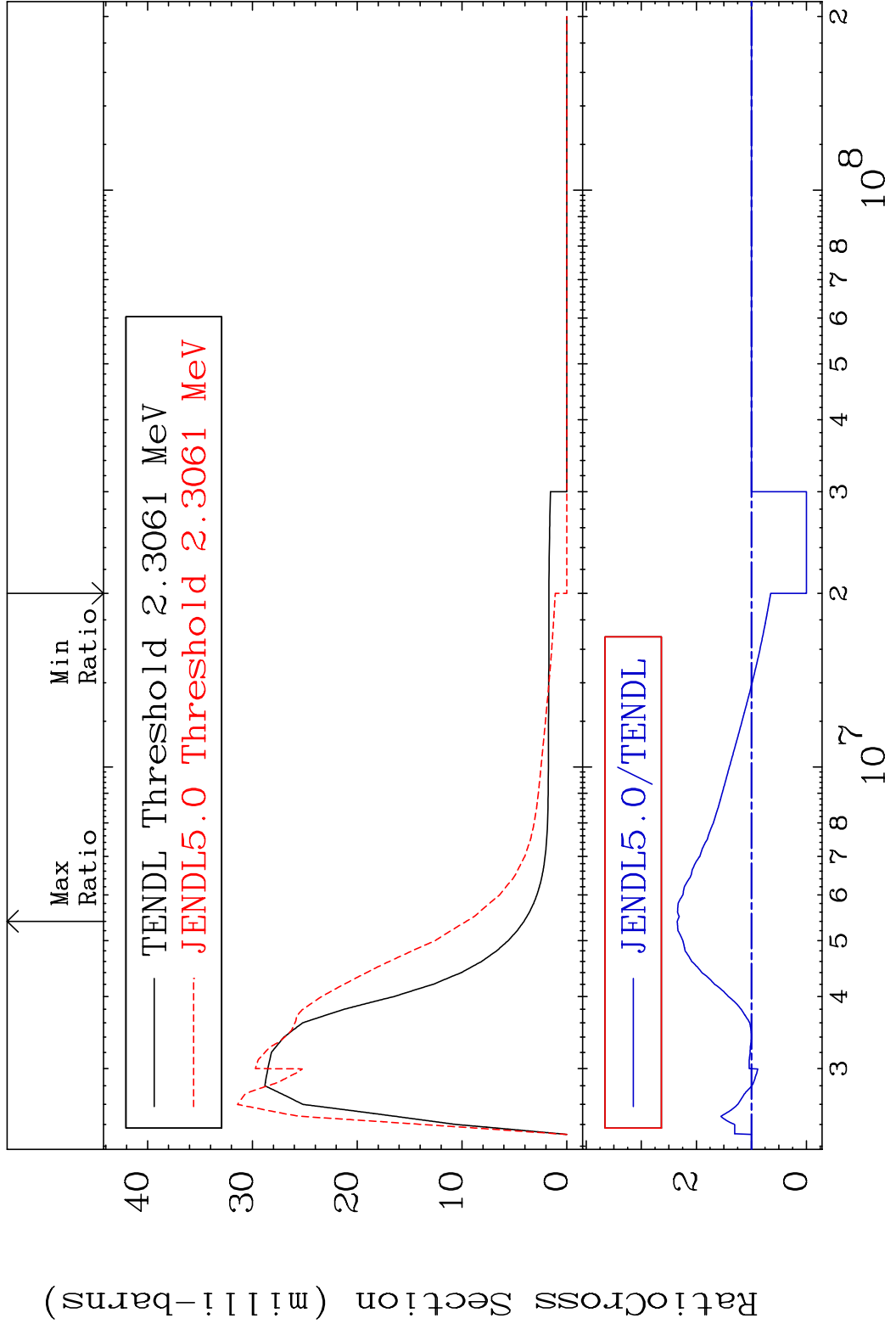
MAT 3840 MT= 56 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 70.37 %



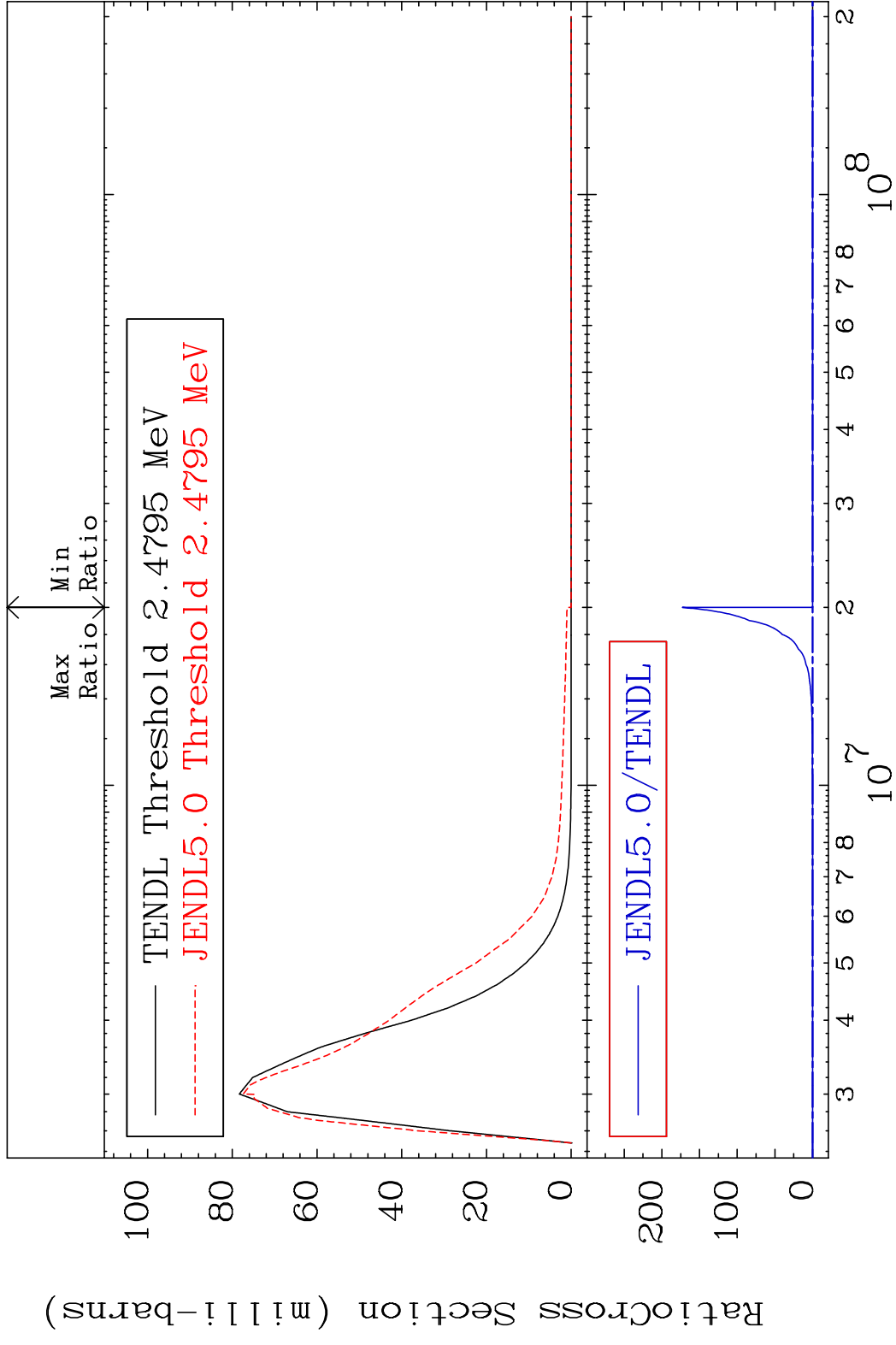
MAT 3840 MT= 57 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 31.43 %



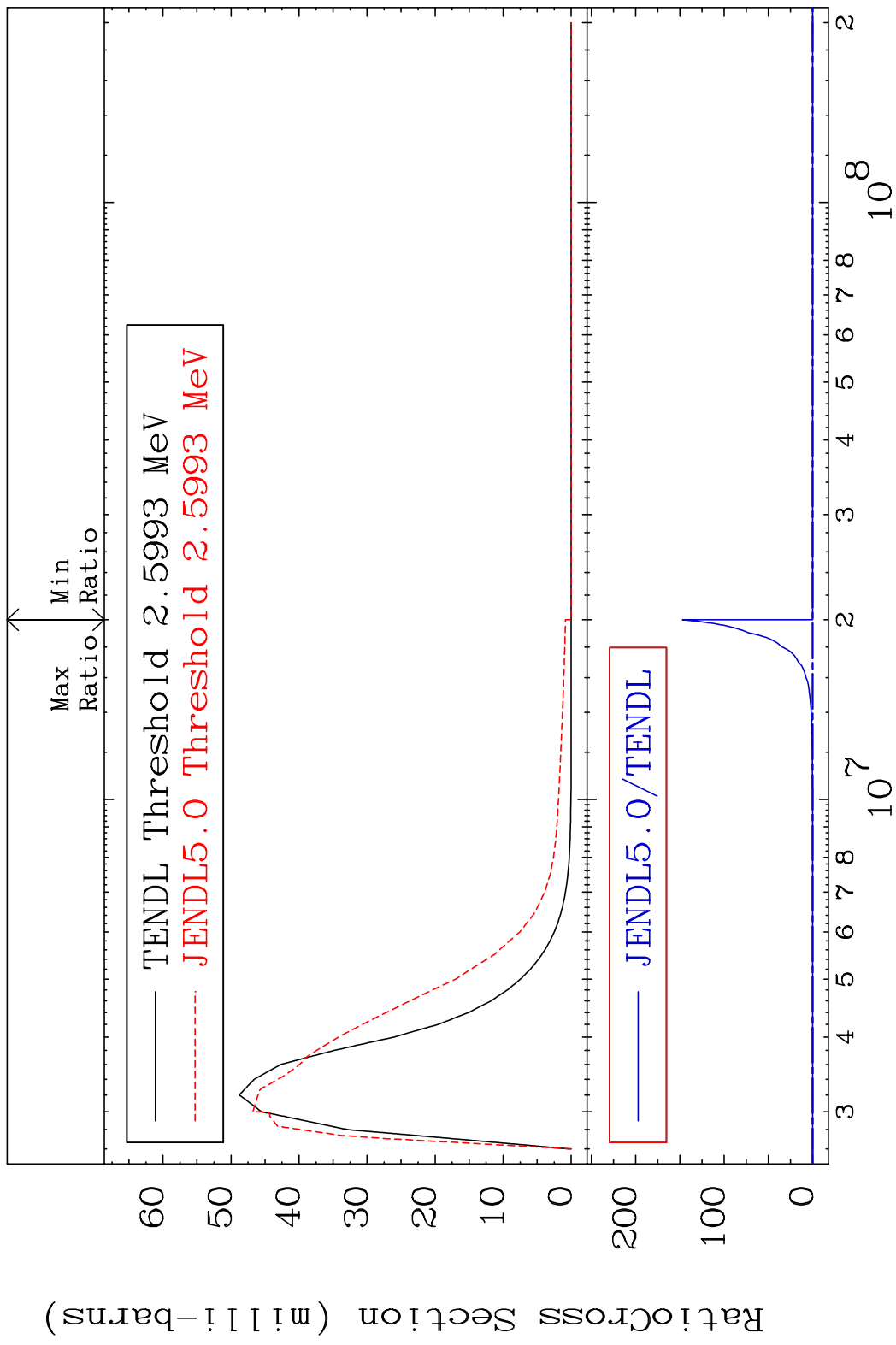
MAT 3840 MT= 58 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 134.8 %



MAT 3840 MT= 59 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 9999. %

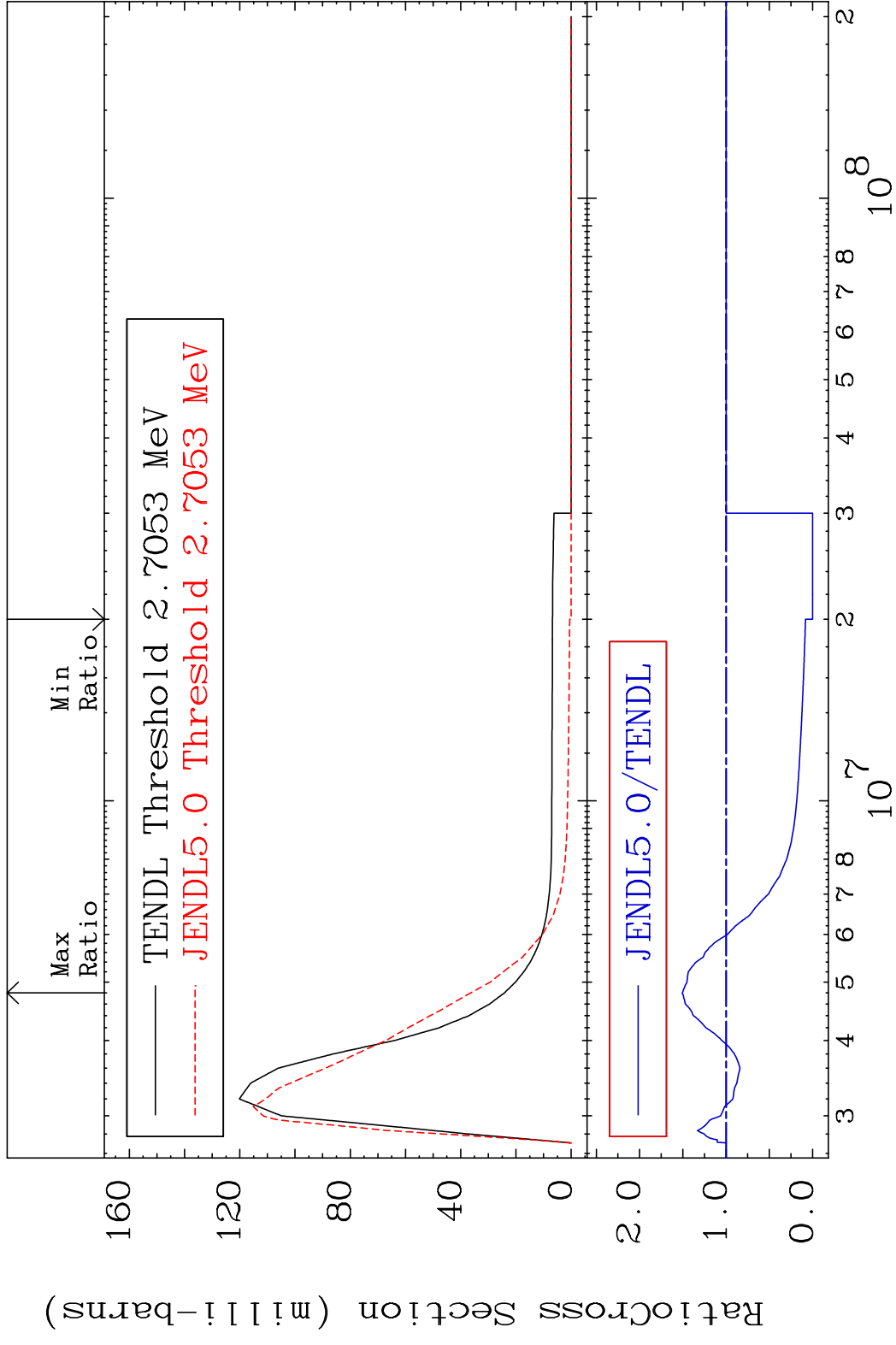


MAT 3840 MT= 60 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 9999. %

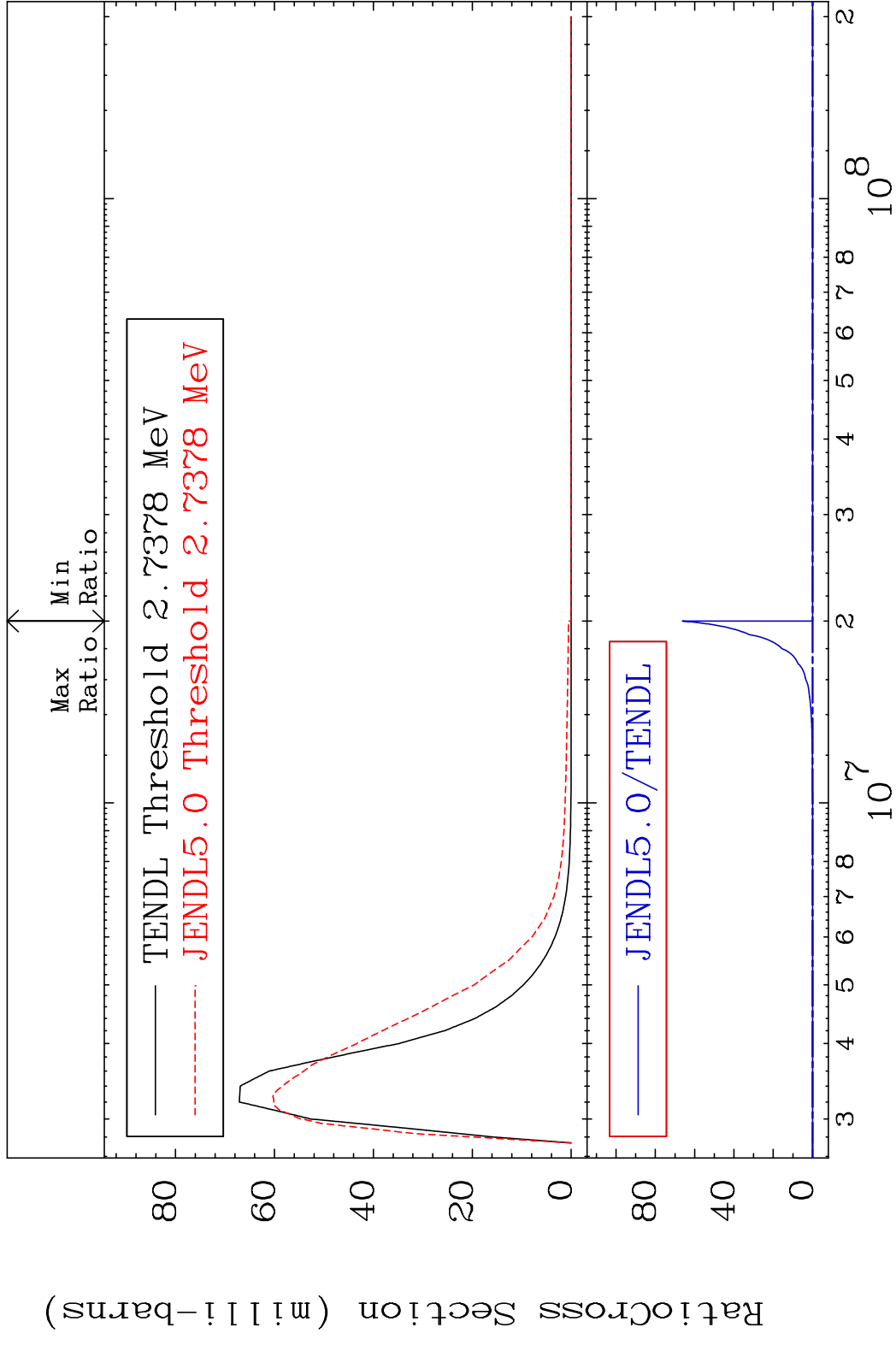


20

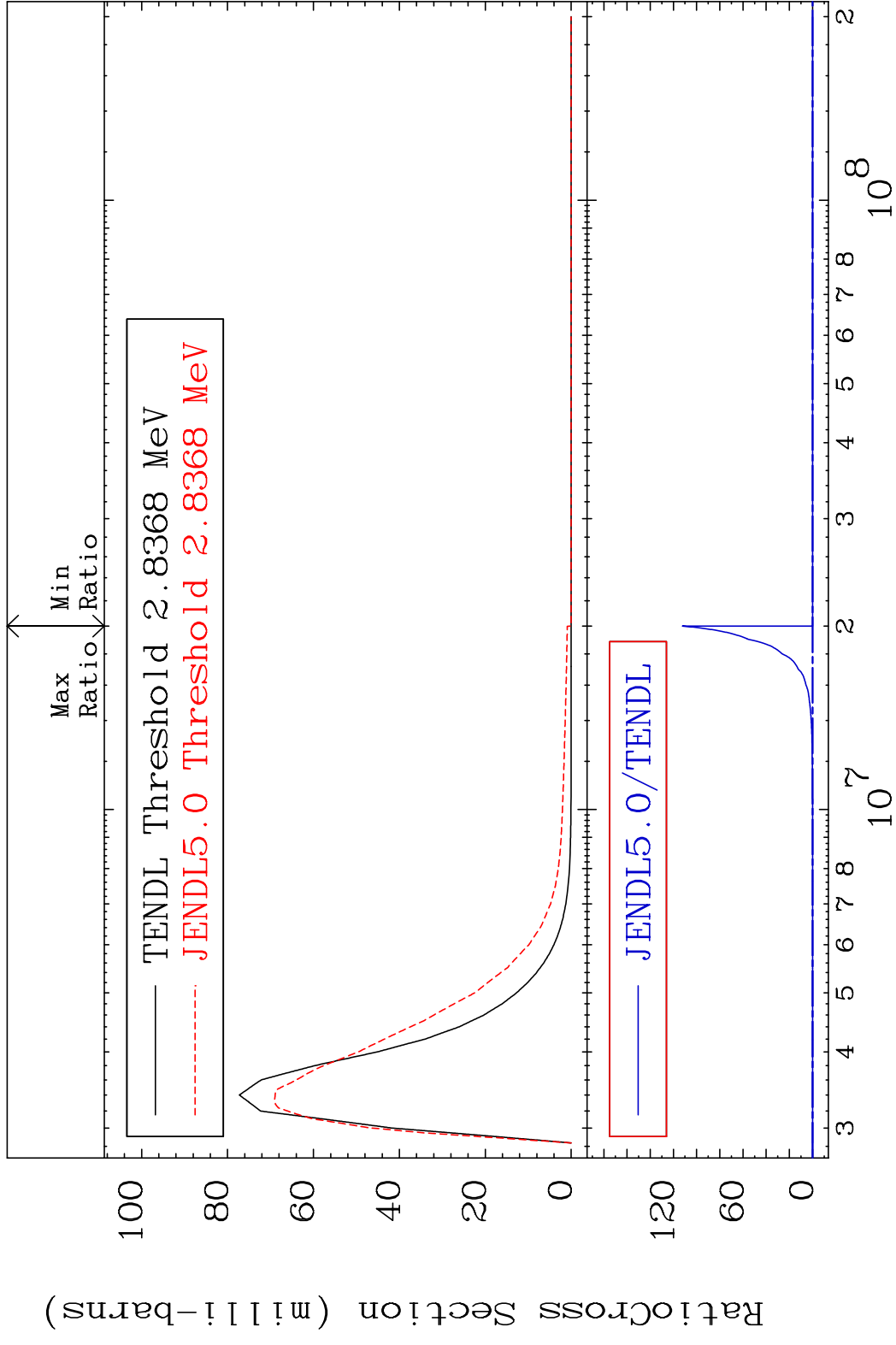
MAT 3840 MT= 61 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 50.55 %



MAT 3840 MT= 62 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 9999. %

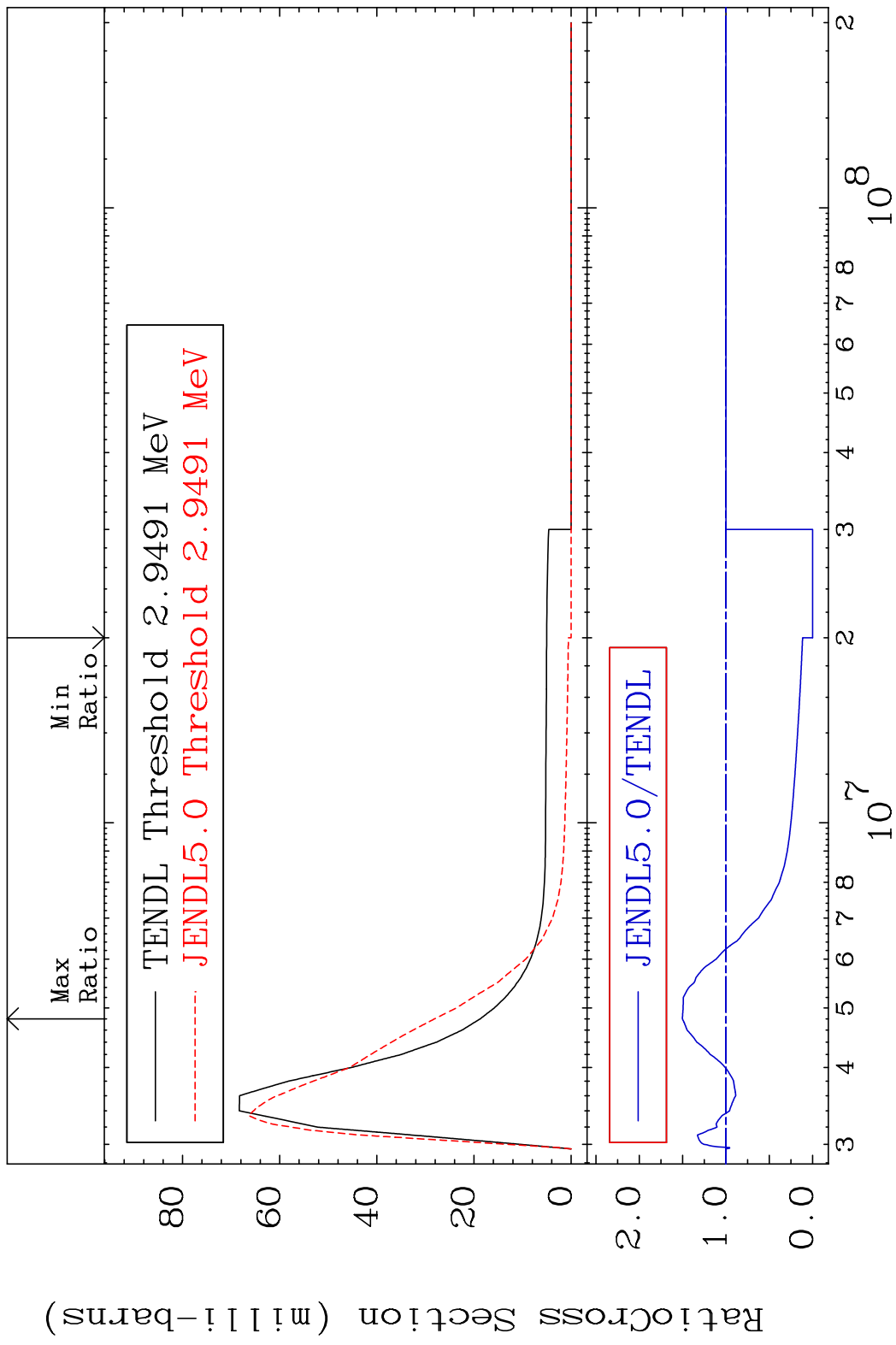


MAT 3840 MT= 63 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 9999. %

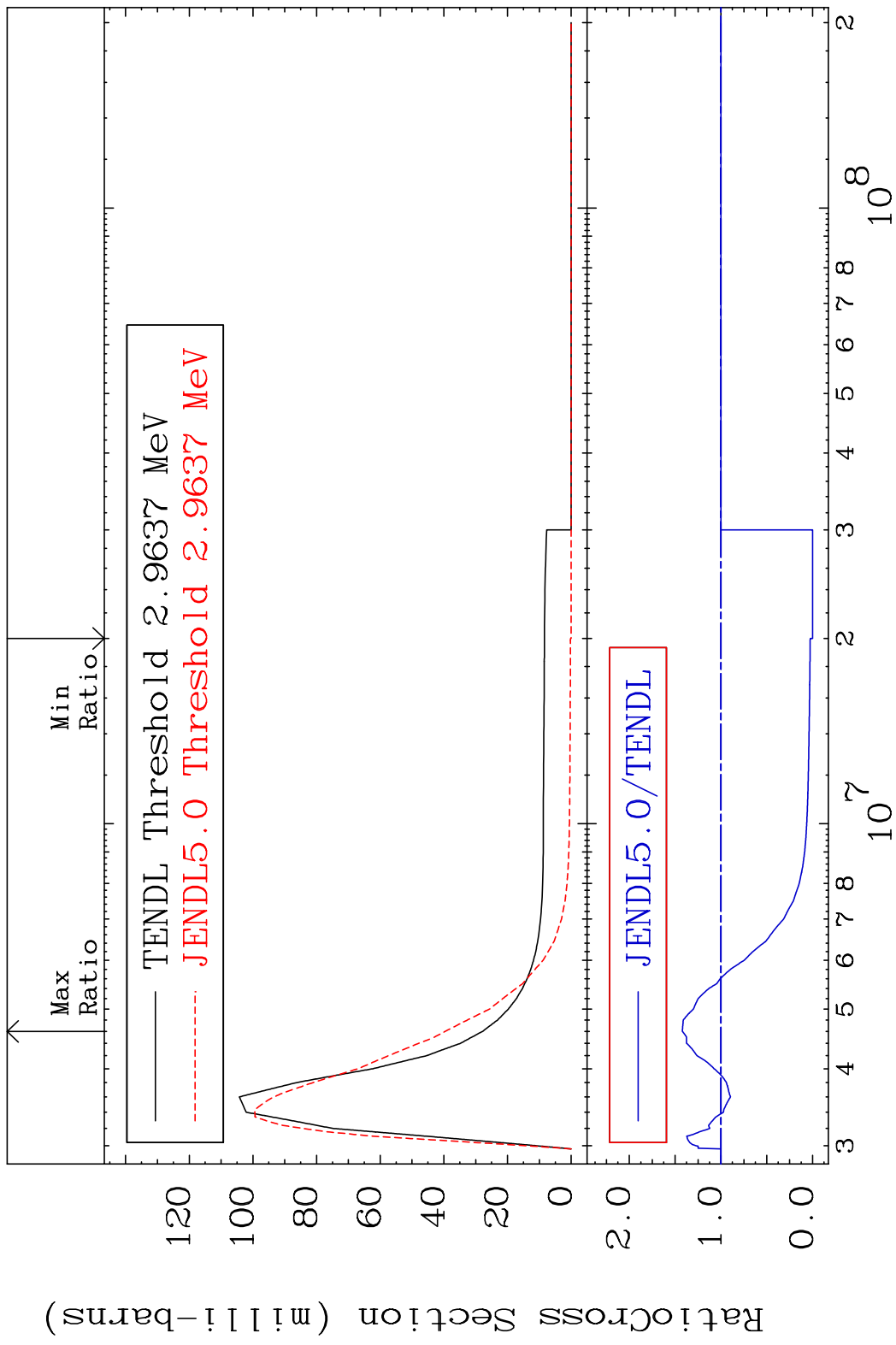


23 Incident Energy (eV) 38-Sr-89

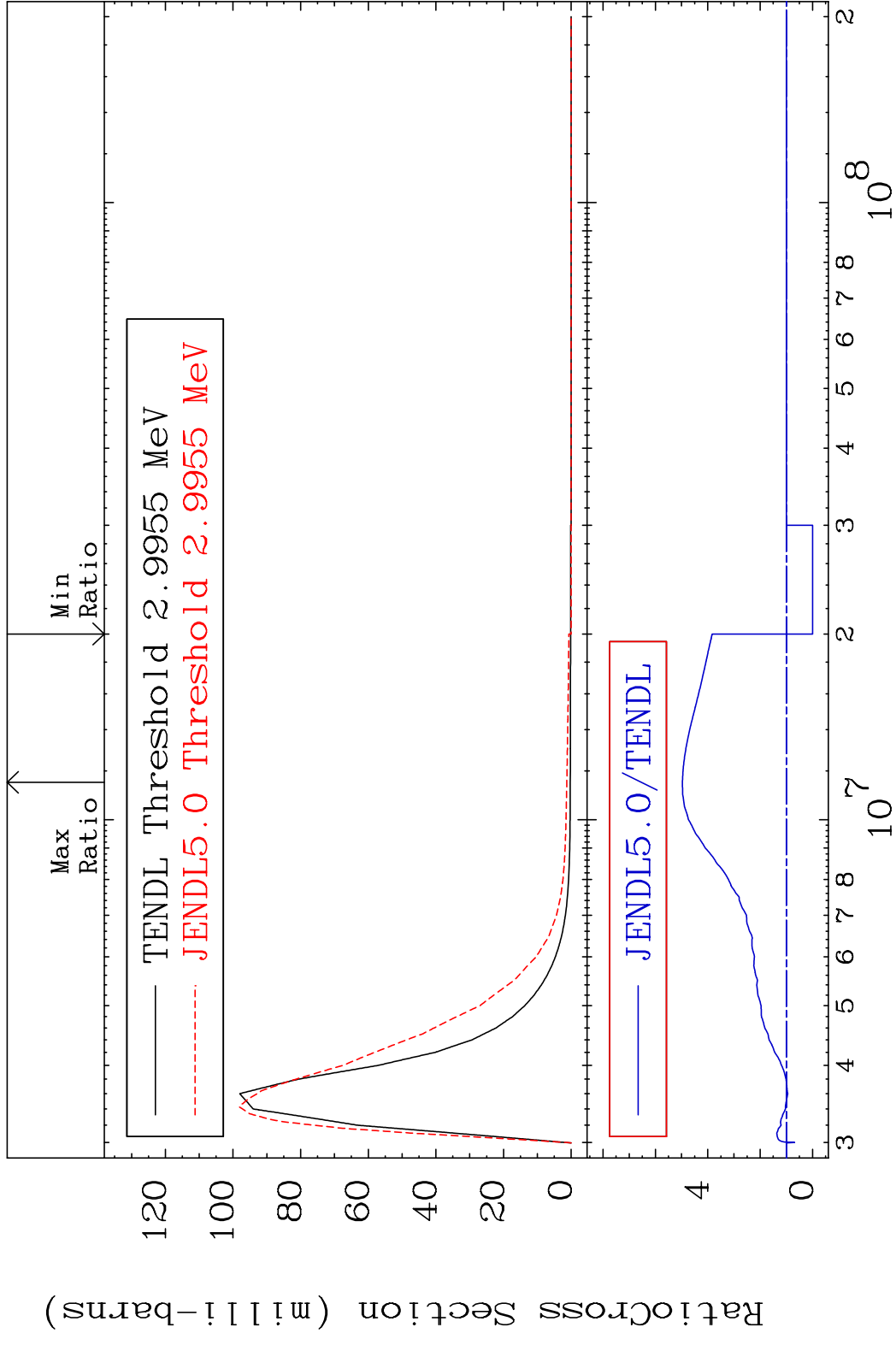
MAT 3840 MT= 64 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 50.23 %



MAT 3840 MT= 65 (n,n') Level 38-Sr-89
 Cross Section -100.0 To 42.14 %

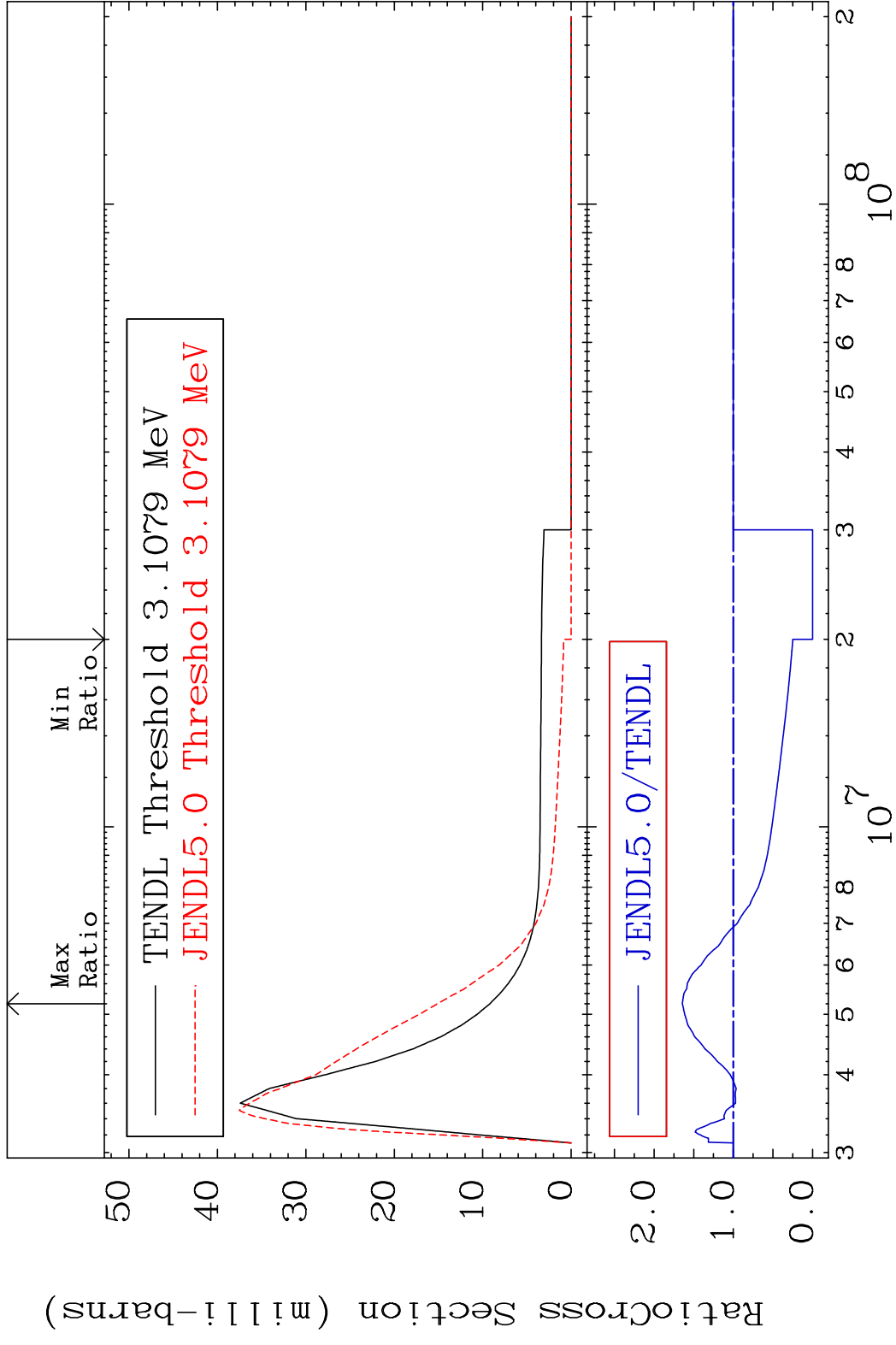


MAT 3840 MT= 66 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 397.0 %

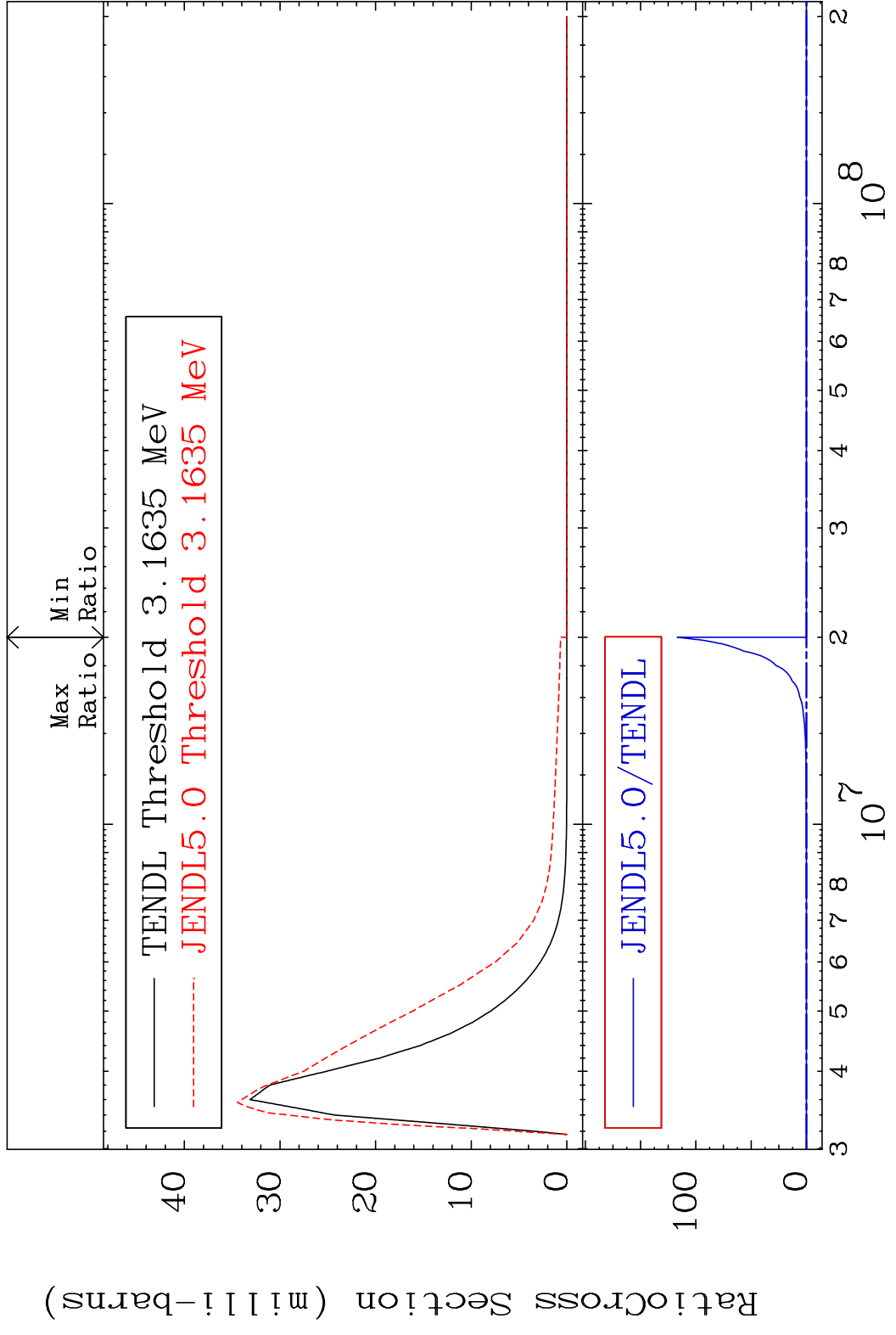


26 Incident Energy (eV) 38-Sr-89

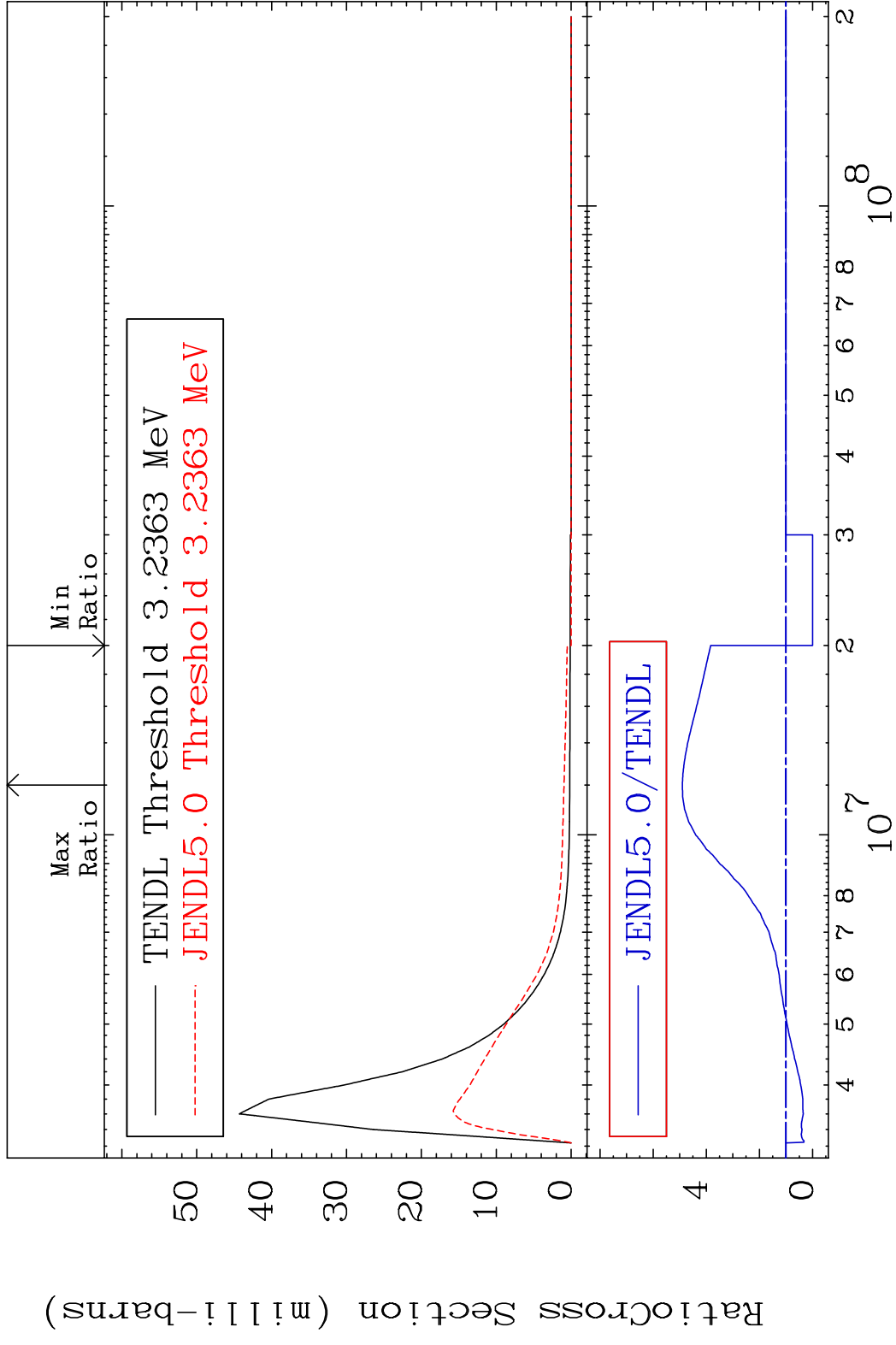
MAT 3840 MT= 67 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 64.32 %



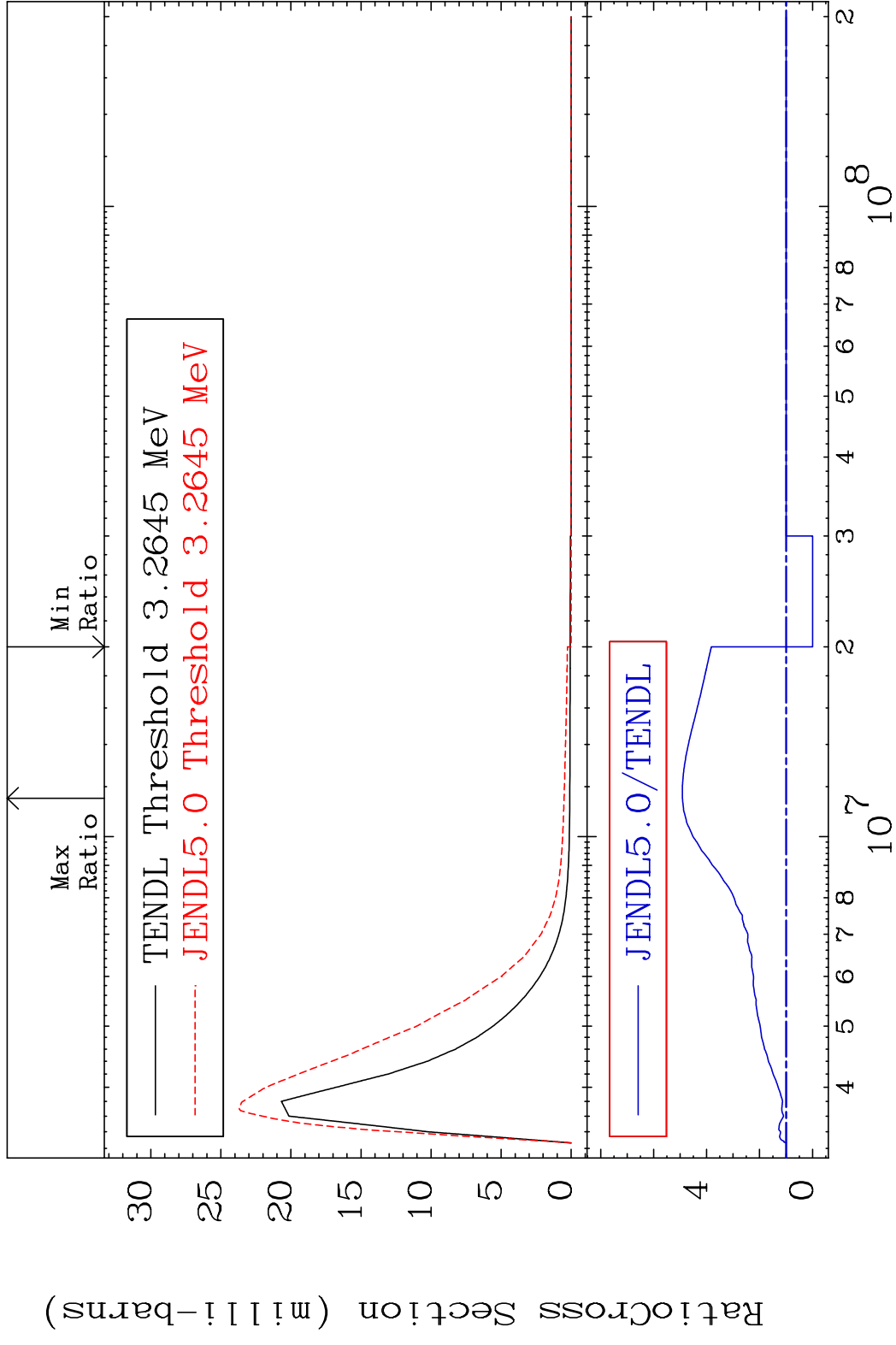
MAT 3840 MT= 68 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 9999. %



MAT 3840 MT= 69 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 390.0 %

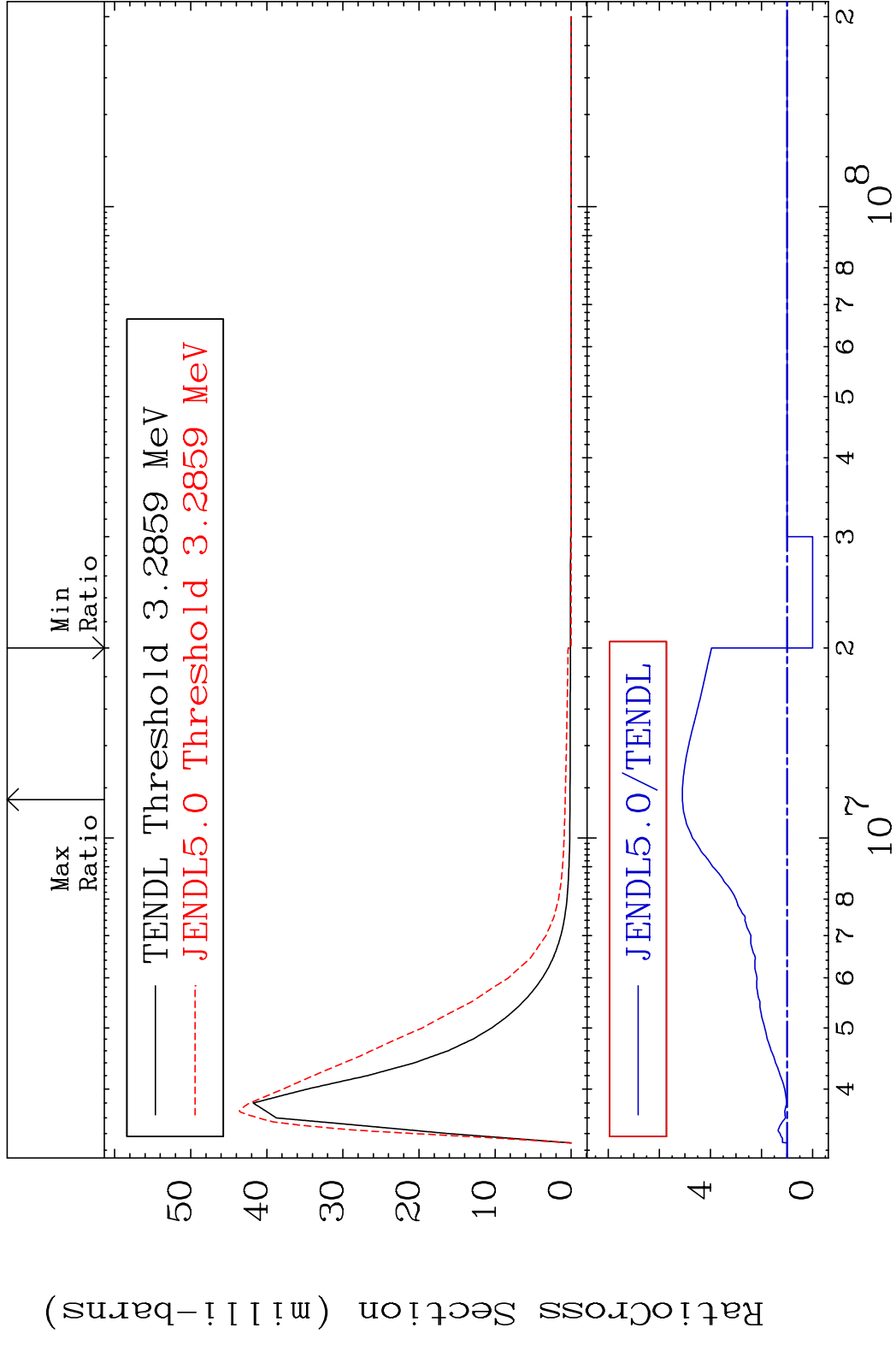


MAT 3840 MT= 70 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 391.6 %

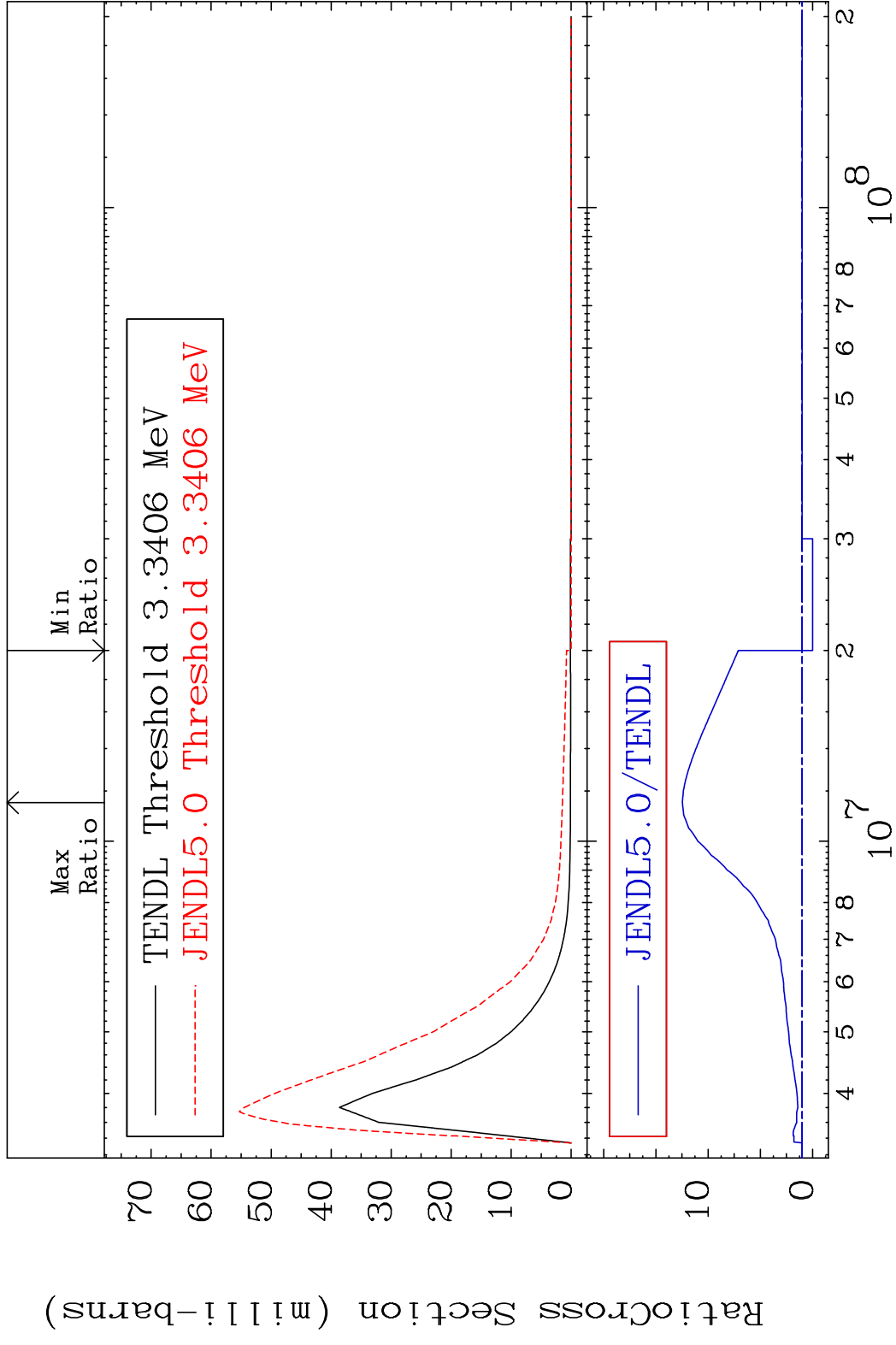


30 38-Sr-89

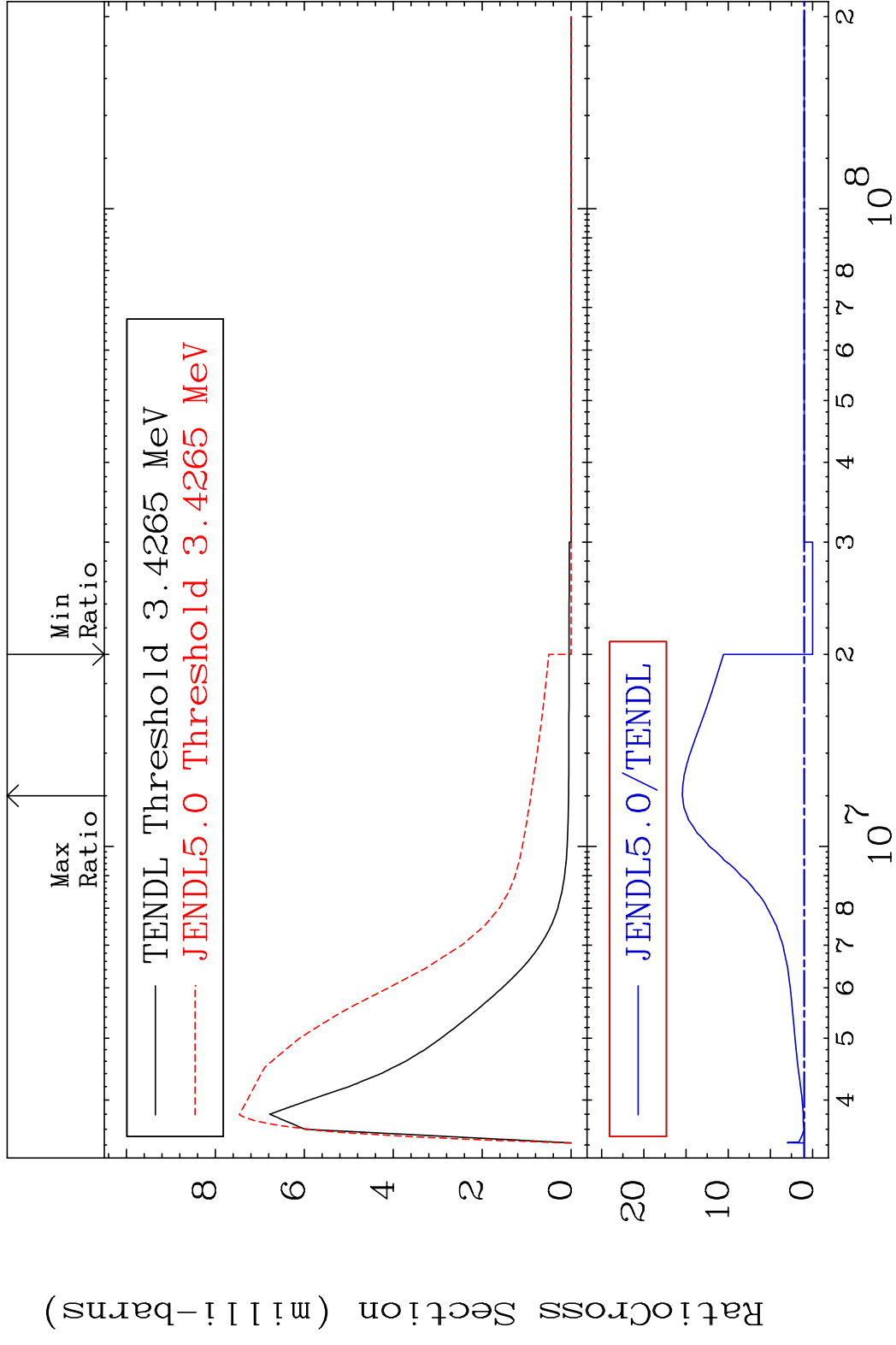
MAT 3840 MT= 71 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 410.1 %



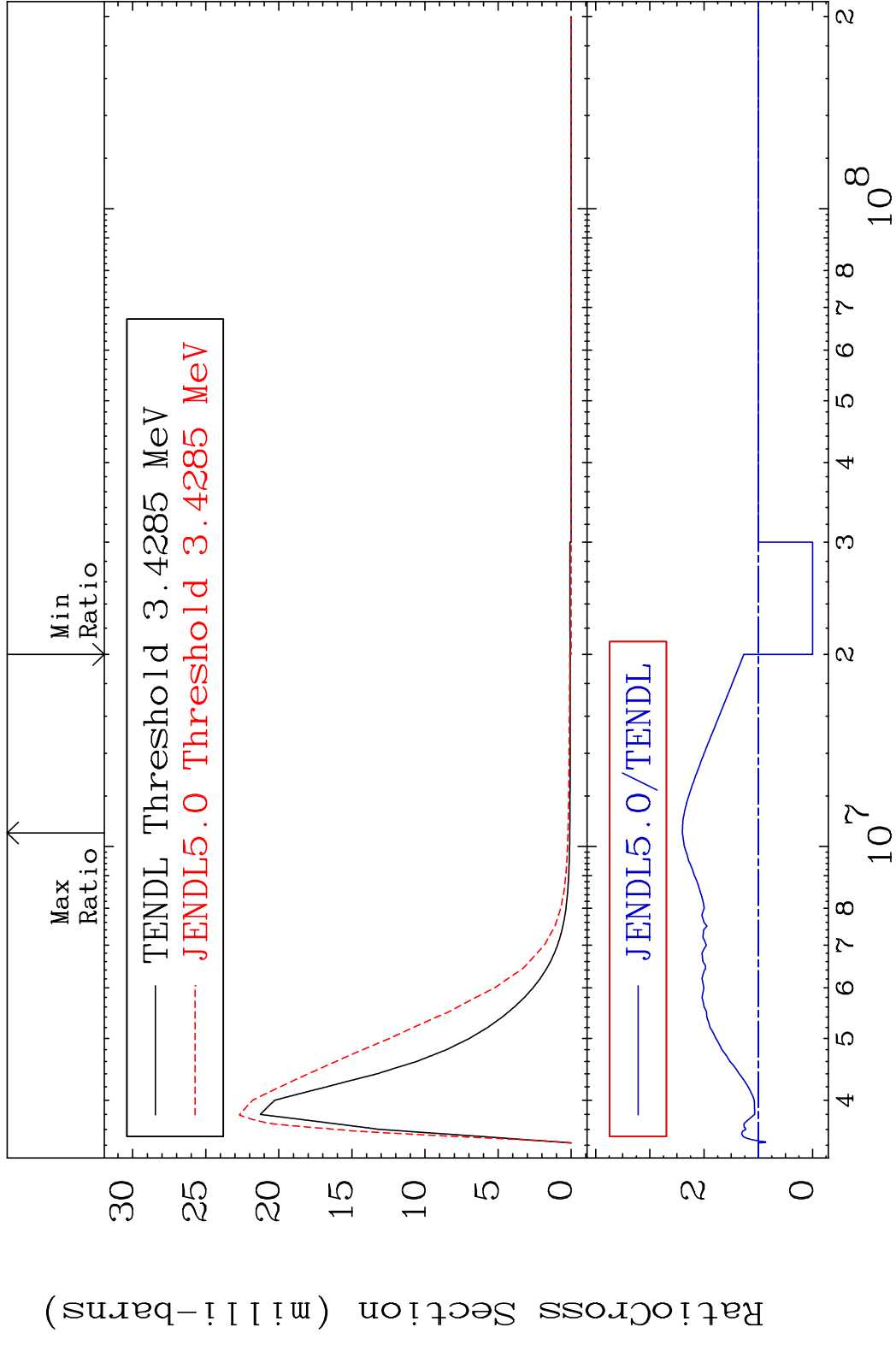
MAT 3840 MT= 72 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 1146. %



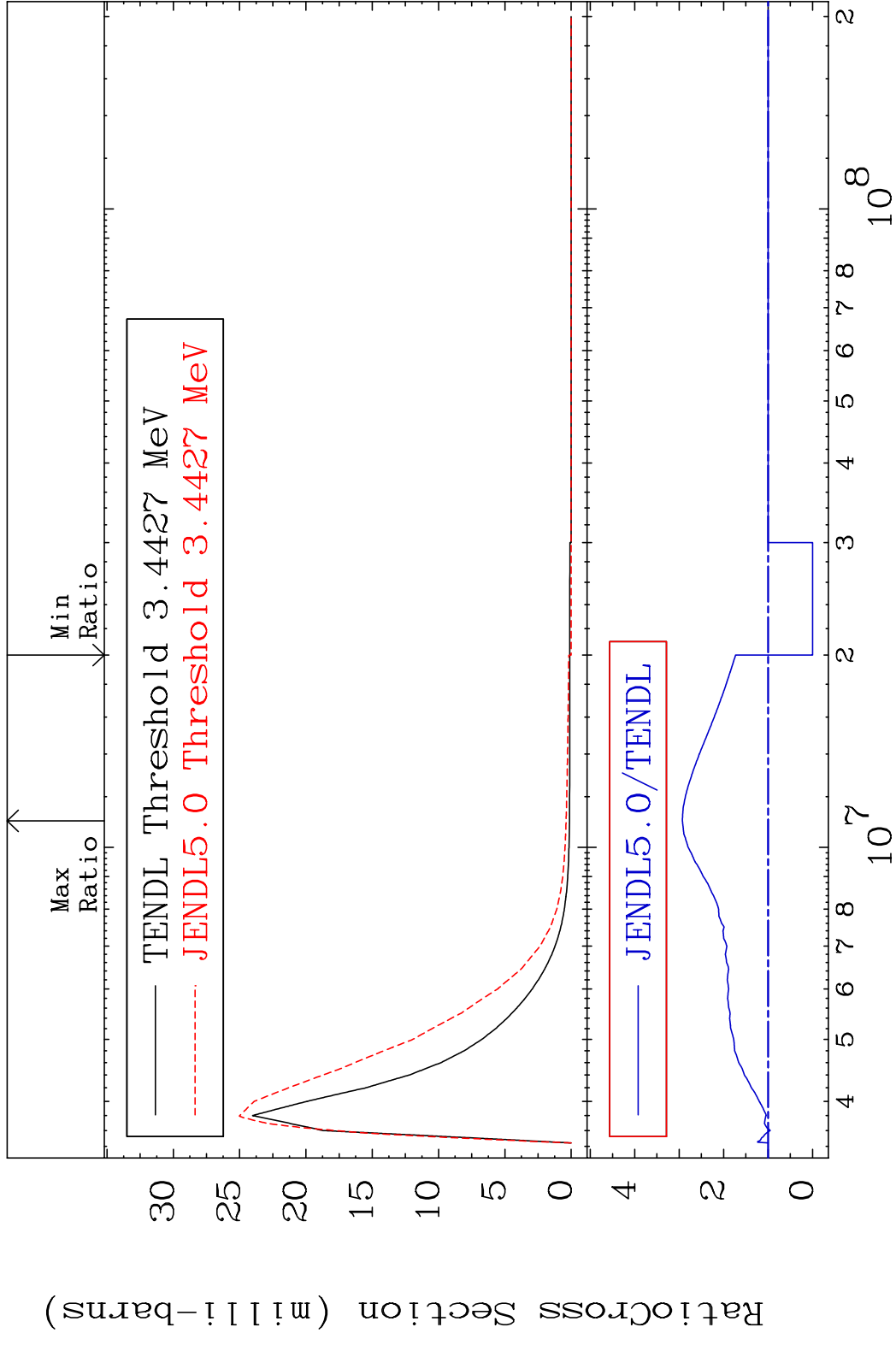
MAT 3840 MT= 73 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 1444. %



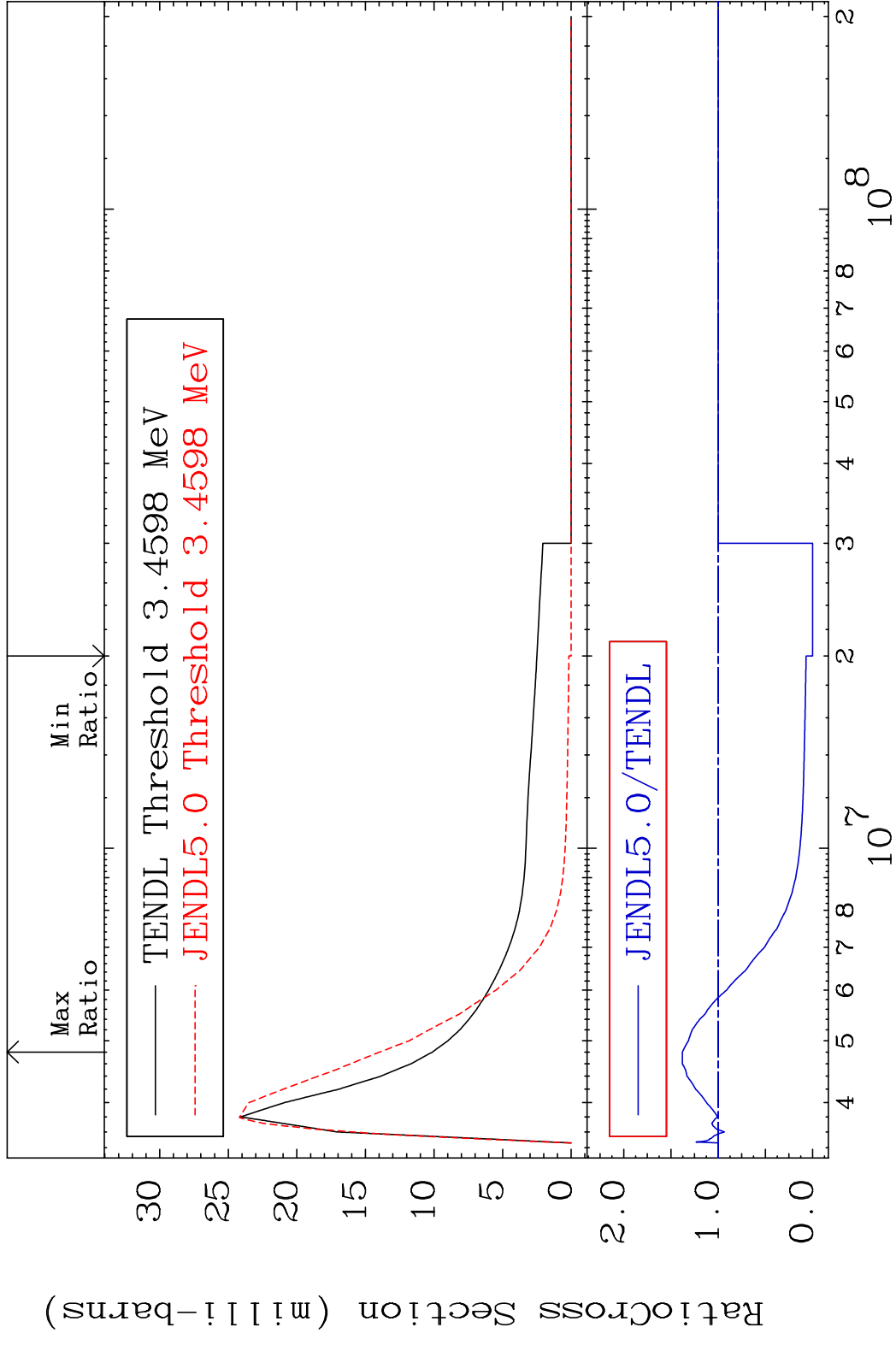
MAT 3840 MT= 74 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 140.1 %



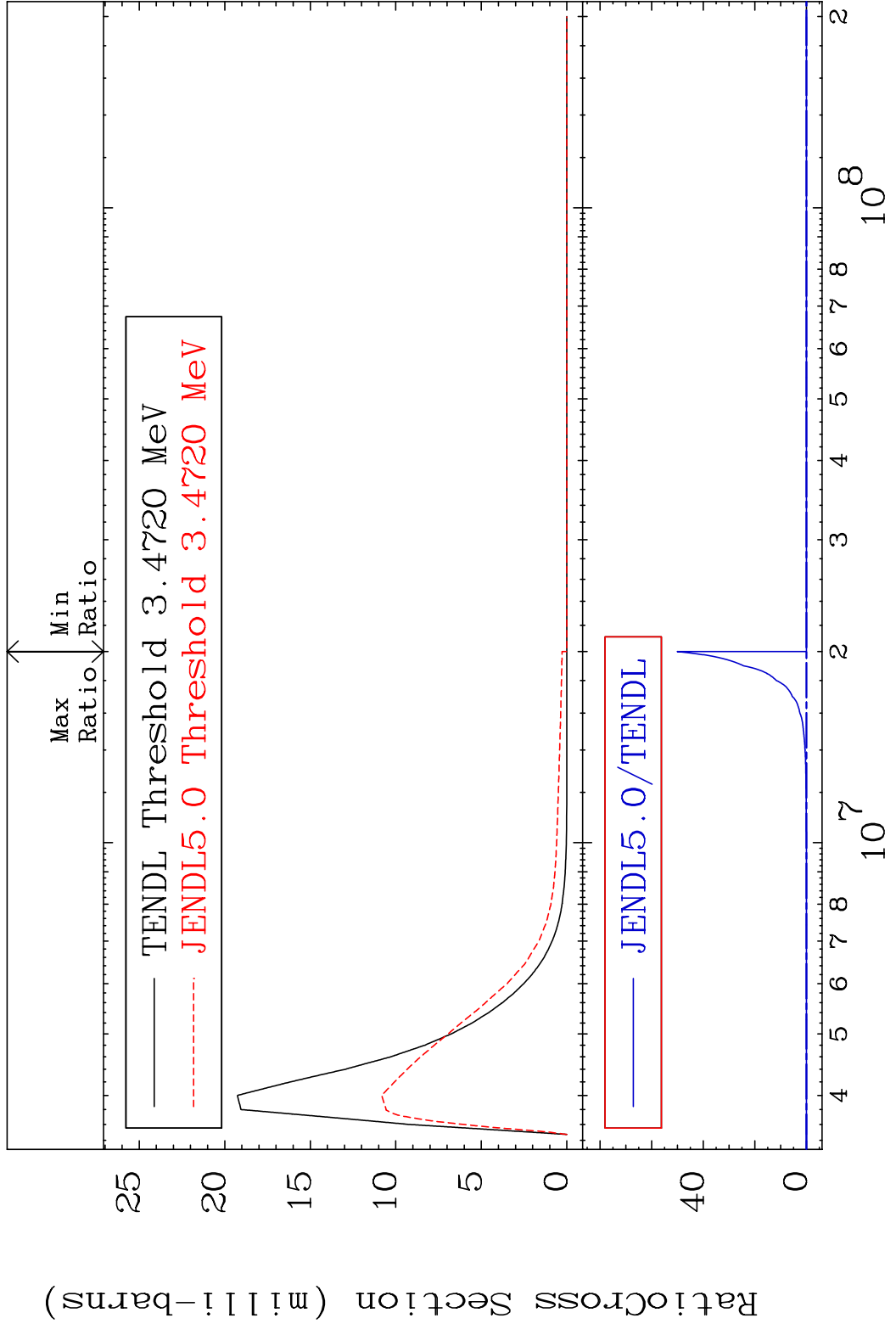
MAT 3840 MT= 75 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 192.9 %



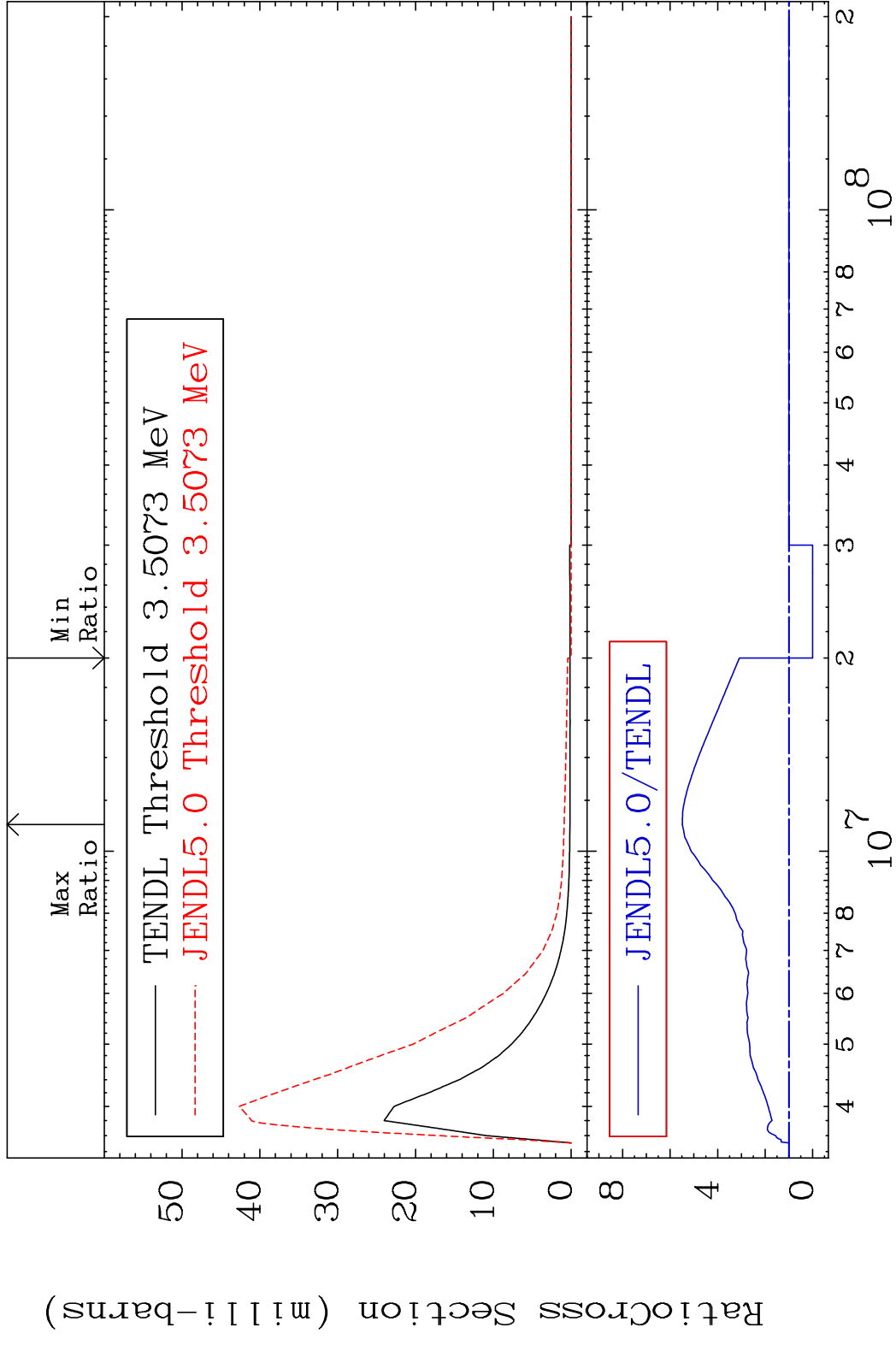
MAT 3840 MT= 76 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 37.92 %



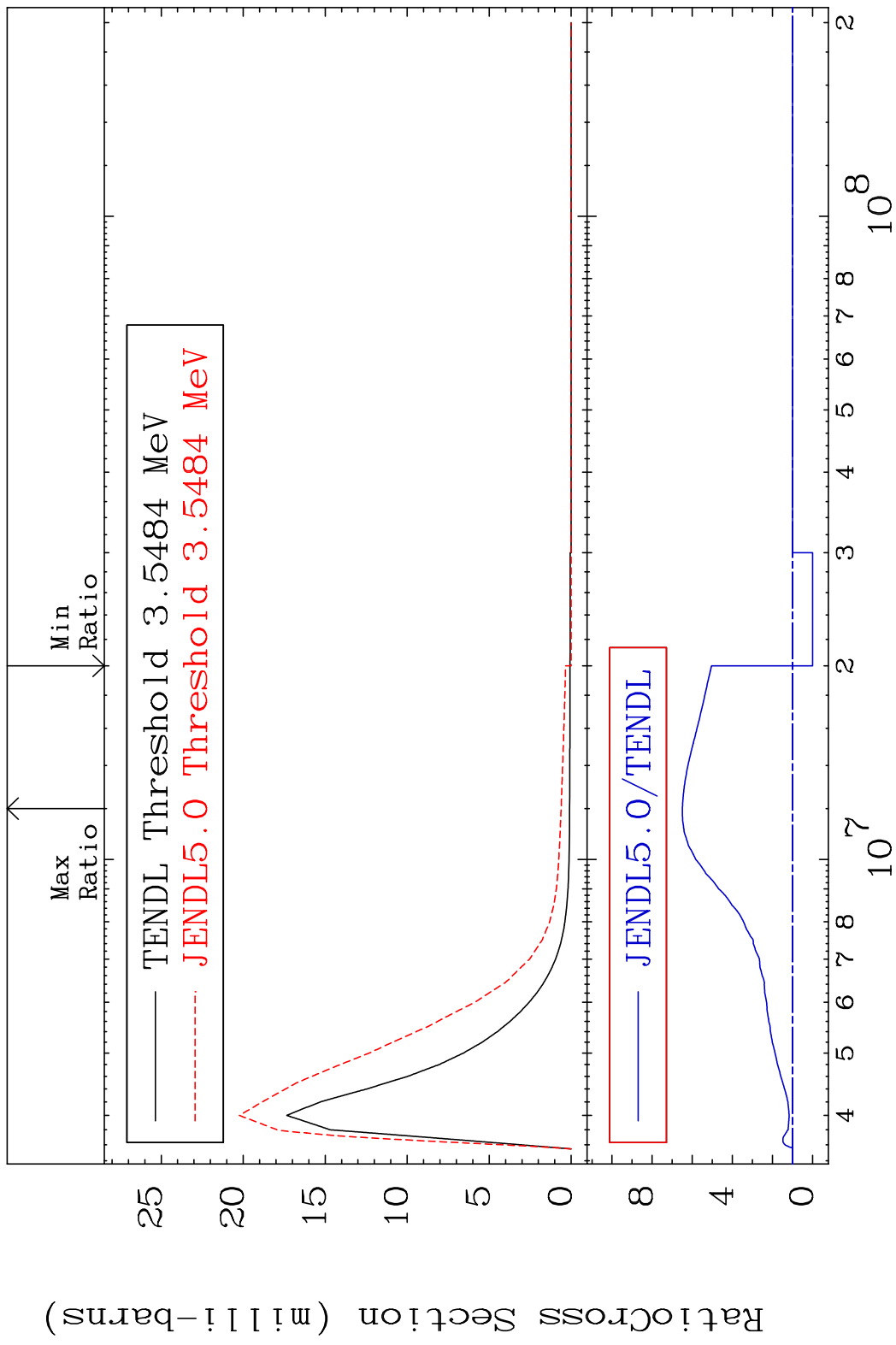
MAT 3840 MT= 77 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 9999. %



MAT 3840 MT= 78 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 448.7 %

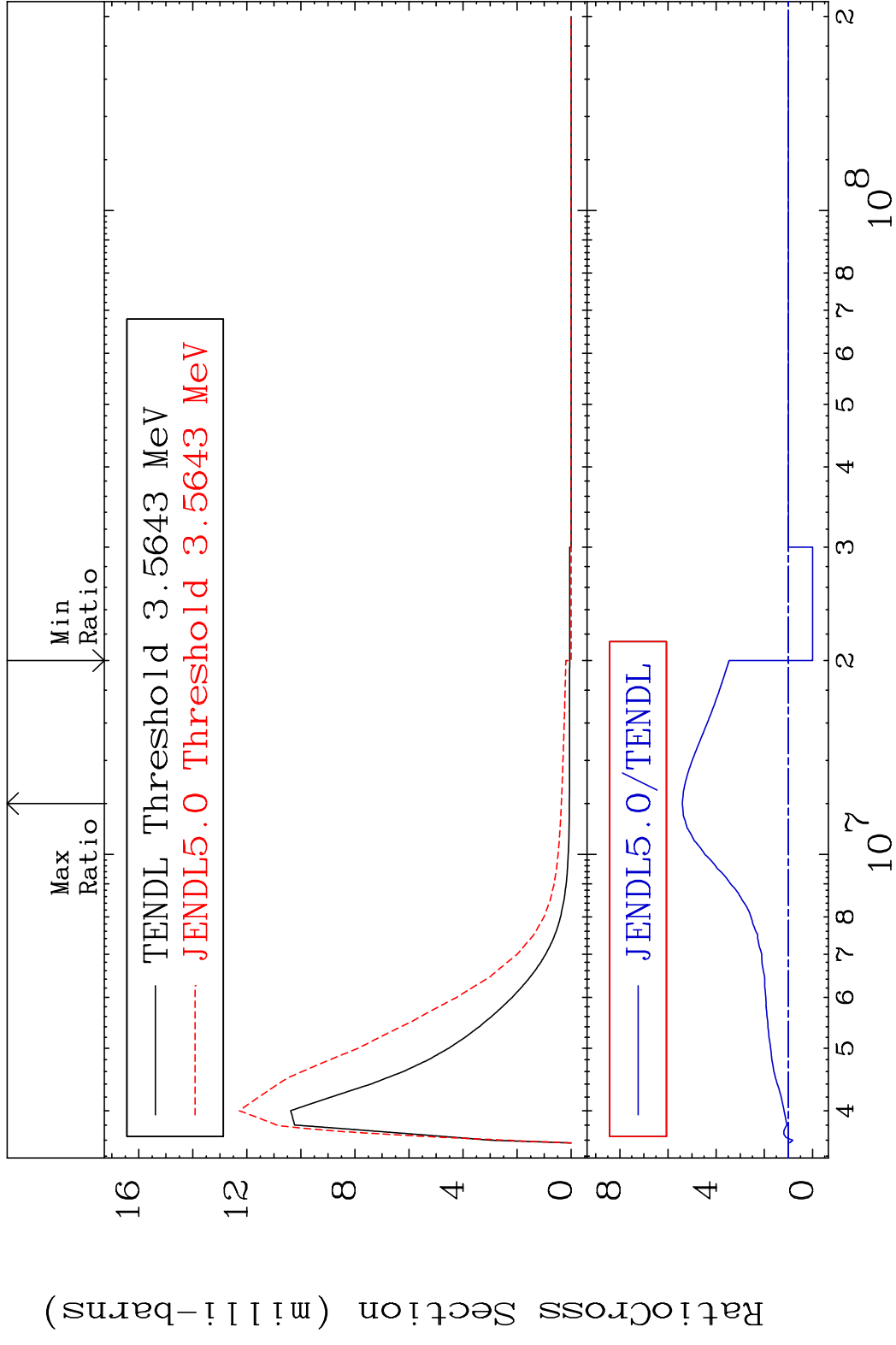


MAT 3840 MT= 79 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 549.3 %



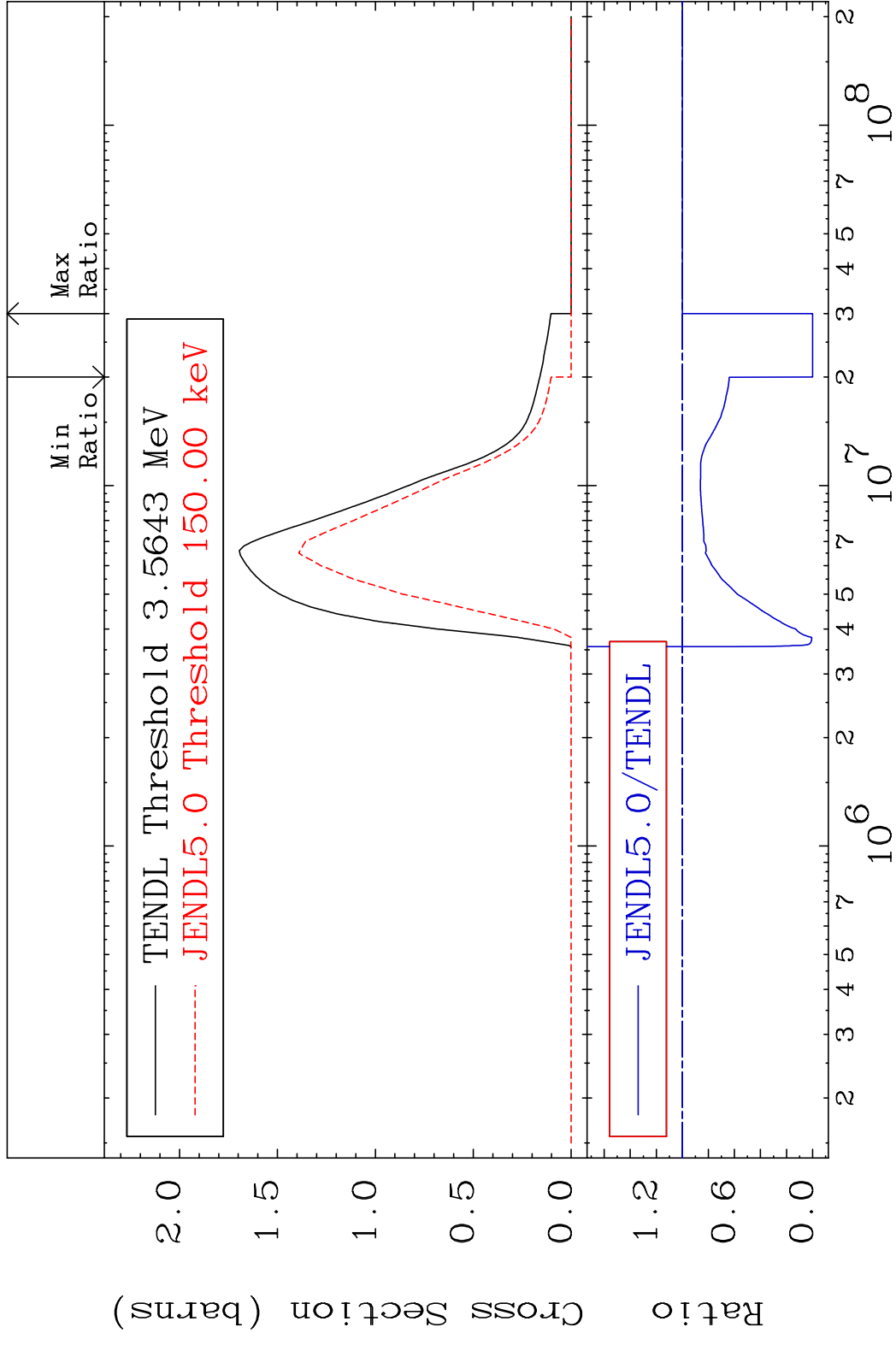
39 Incident Energy (eV) 38-Sr-89

MAT 3840 MT= 80 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 440.4 %



40 Incident Energy (eV) 38-Sr-89

MAT 3840 (n, n') Continuum 38-Sr-89
 Cross Section -100.0 To 0.000 %

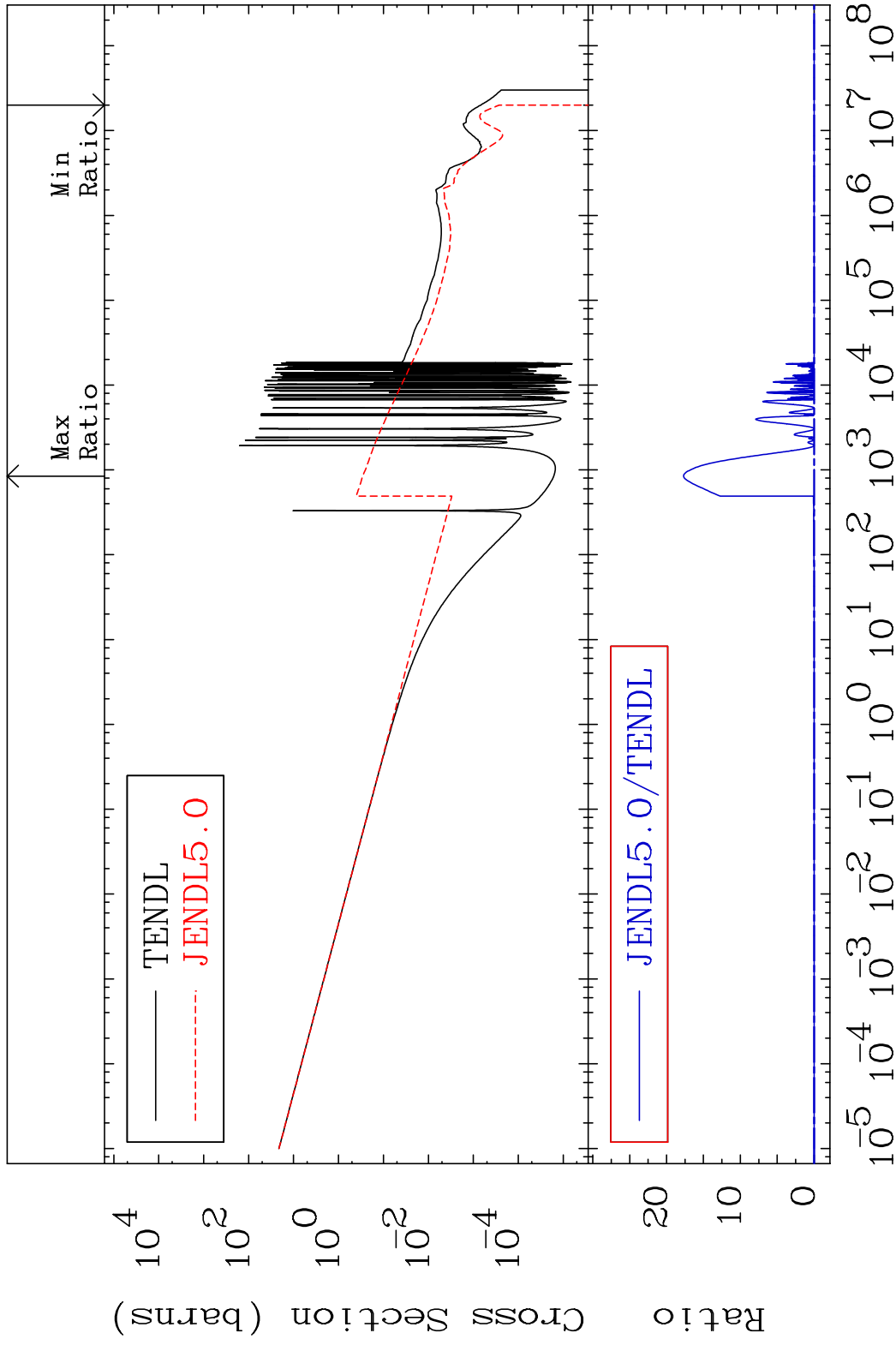


MAT 3840

(n, γ)

38-Sr-89

Cross Section -100.0 To 9999. %

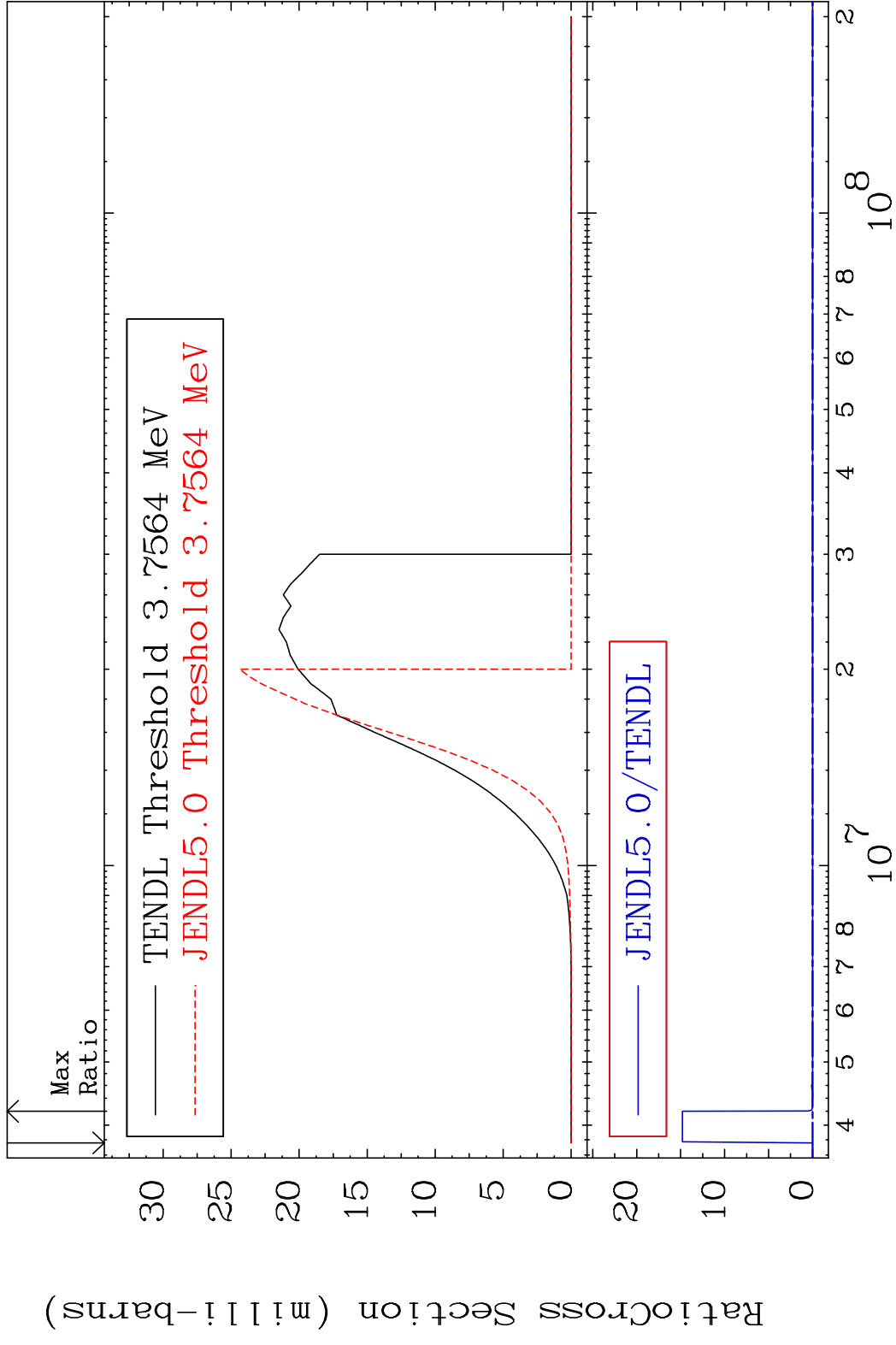


42

Incident Energy (eV)

38-Sr-89

MAT 3840 (n,p) 38-Sr-89
 Cross Section -100.0 To 9999. %

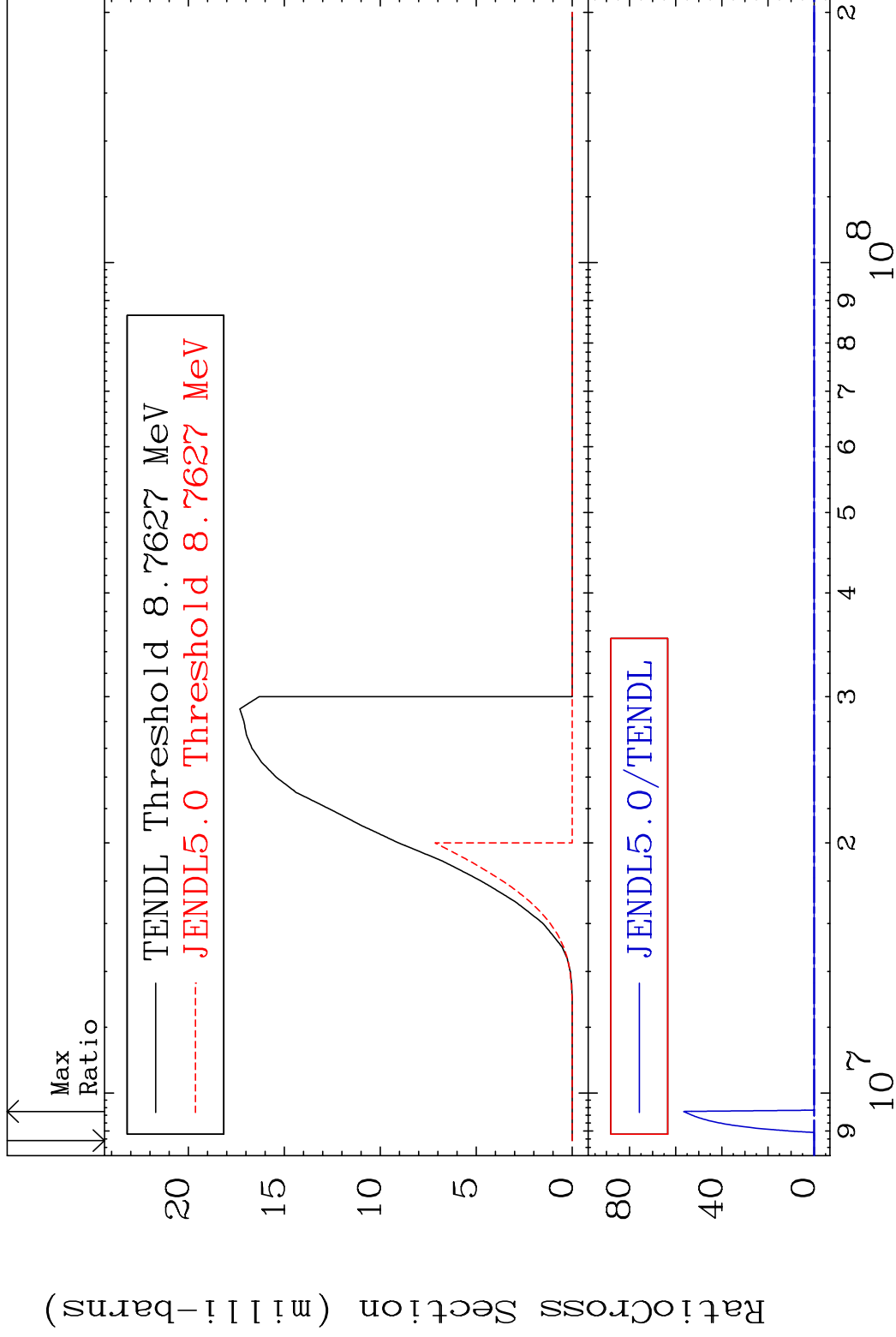


MAT 3840

(n,d)

38-Sr-89

Cross Section -100.0 To 9999. %

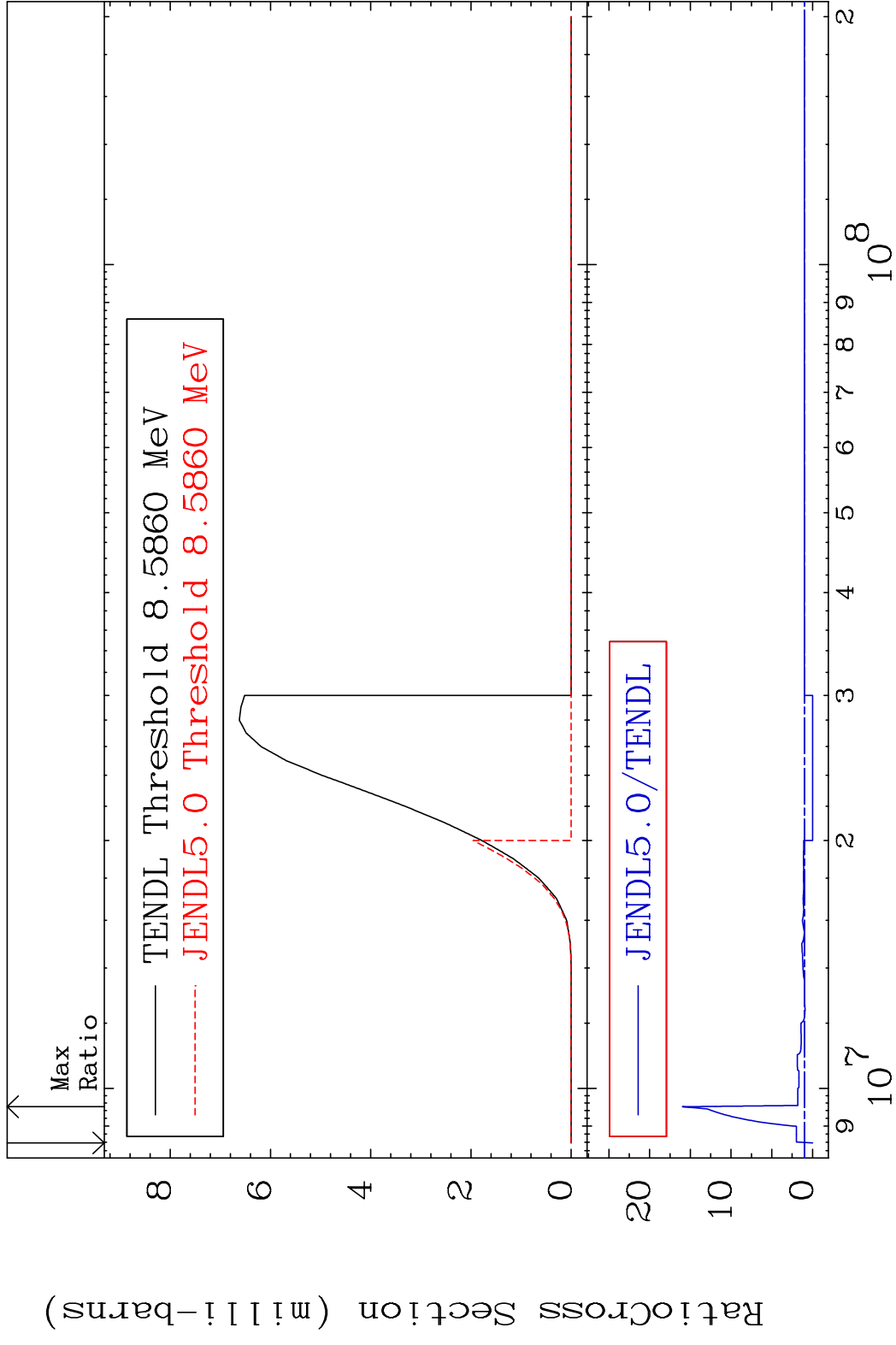


44

Incident Energy (eV)

38-Sr-89

MAT 3840 (n, t) 38-Sr-89
 Cross Section -100.0 To 1498. %



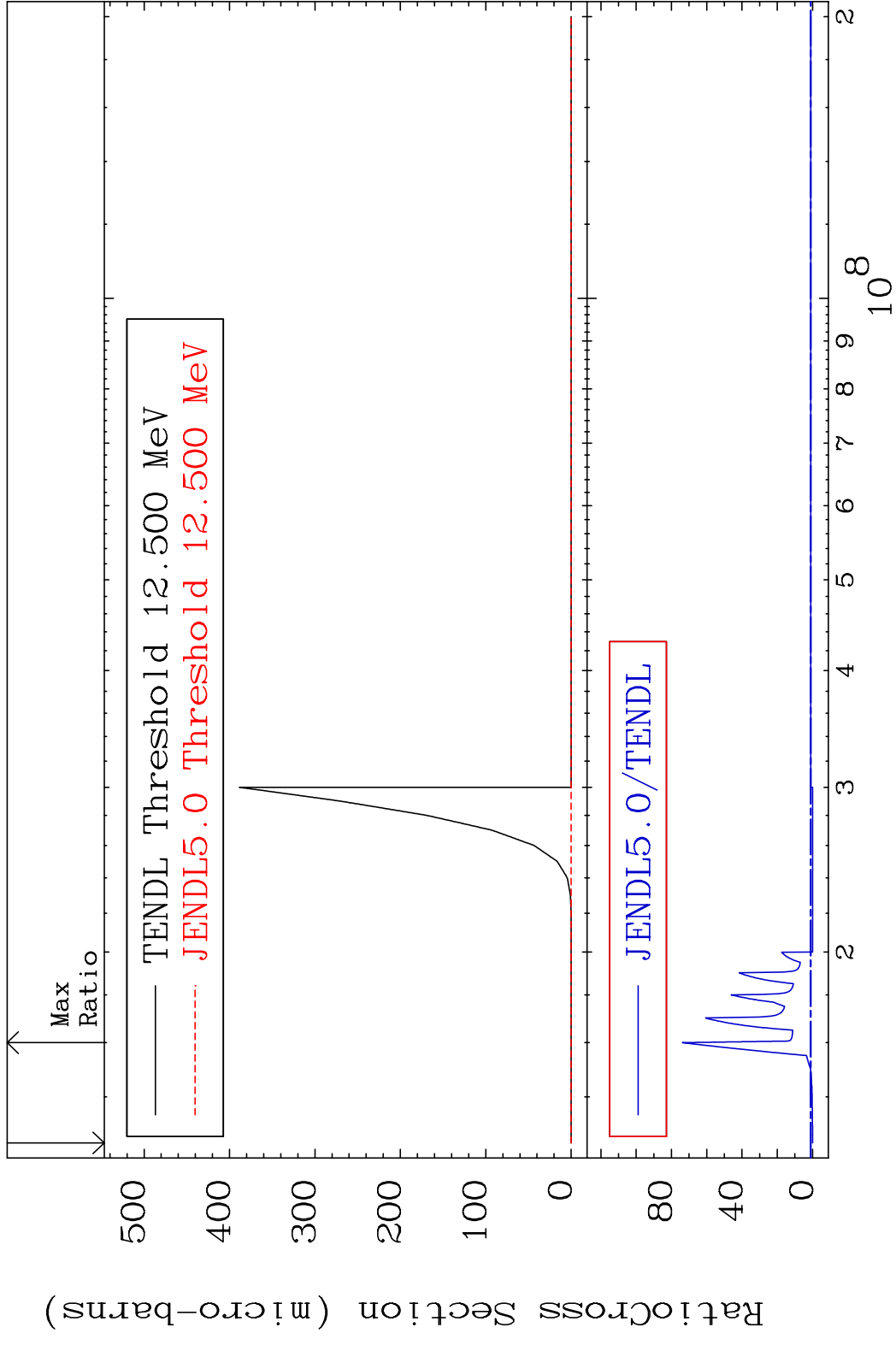
45 Incident Energy (eV) 38-Sr-89

MAT 3840

(n, He-3)

38-Sr-89

Cross Section -100.0 To 7281. %

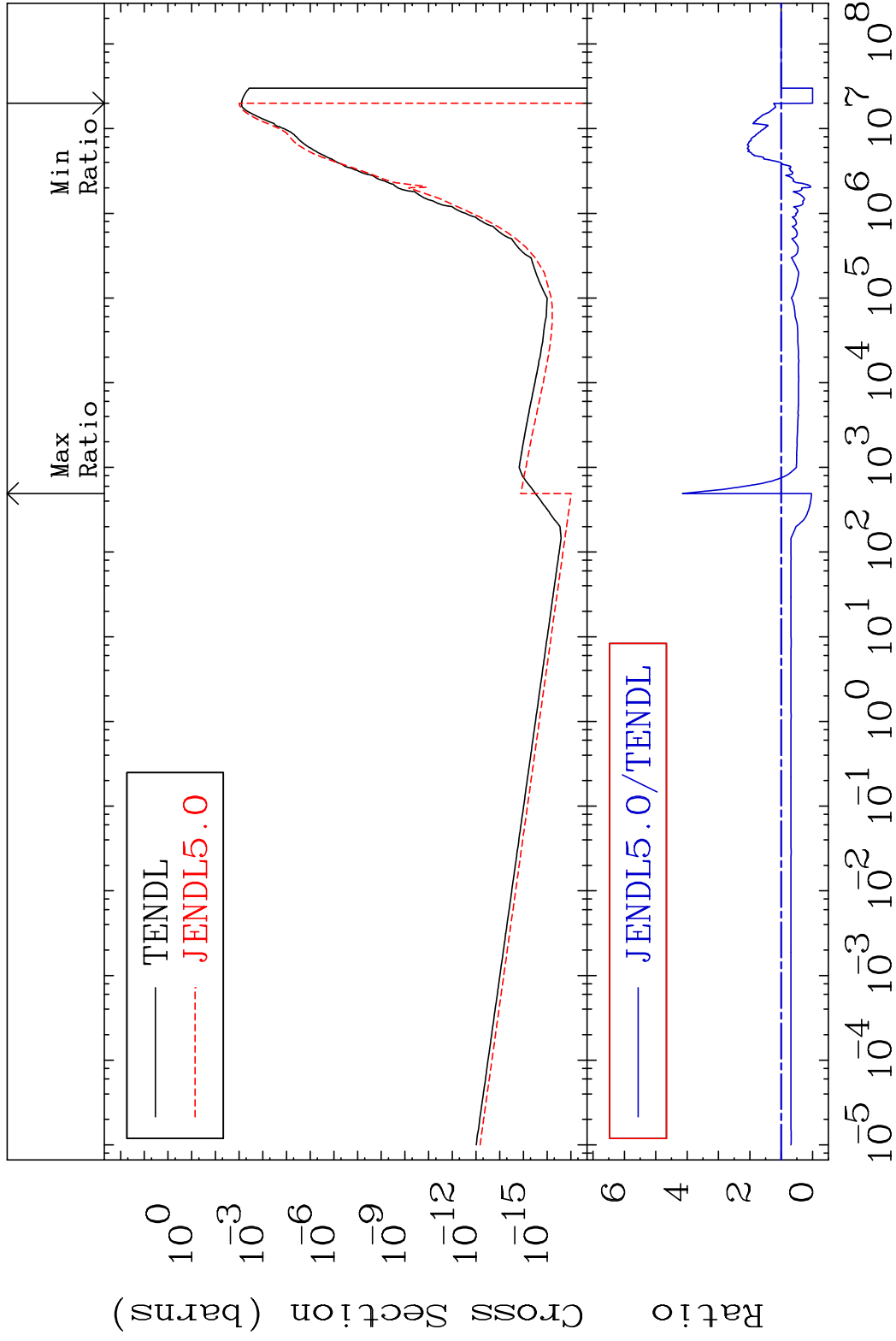


MAT 3840

(n, α)

38-Sr-89

Cross Section -100.0 To 315.2 %

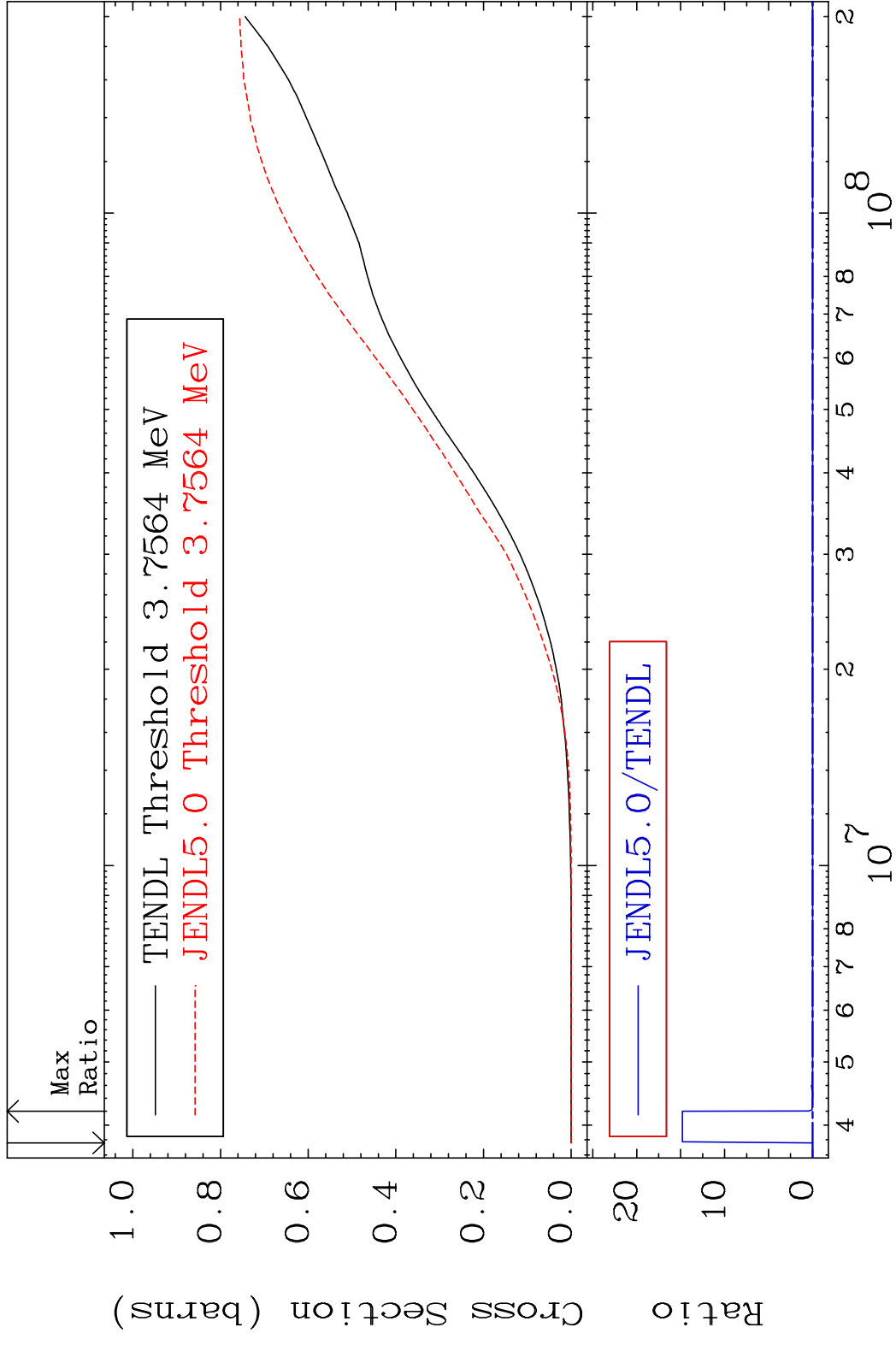


47

Incident Energy (eV)

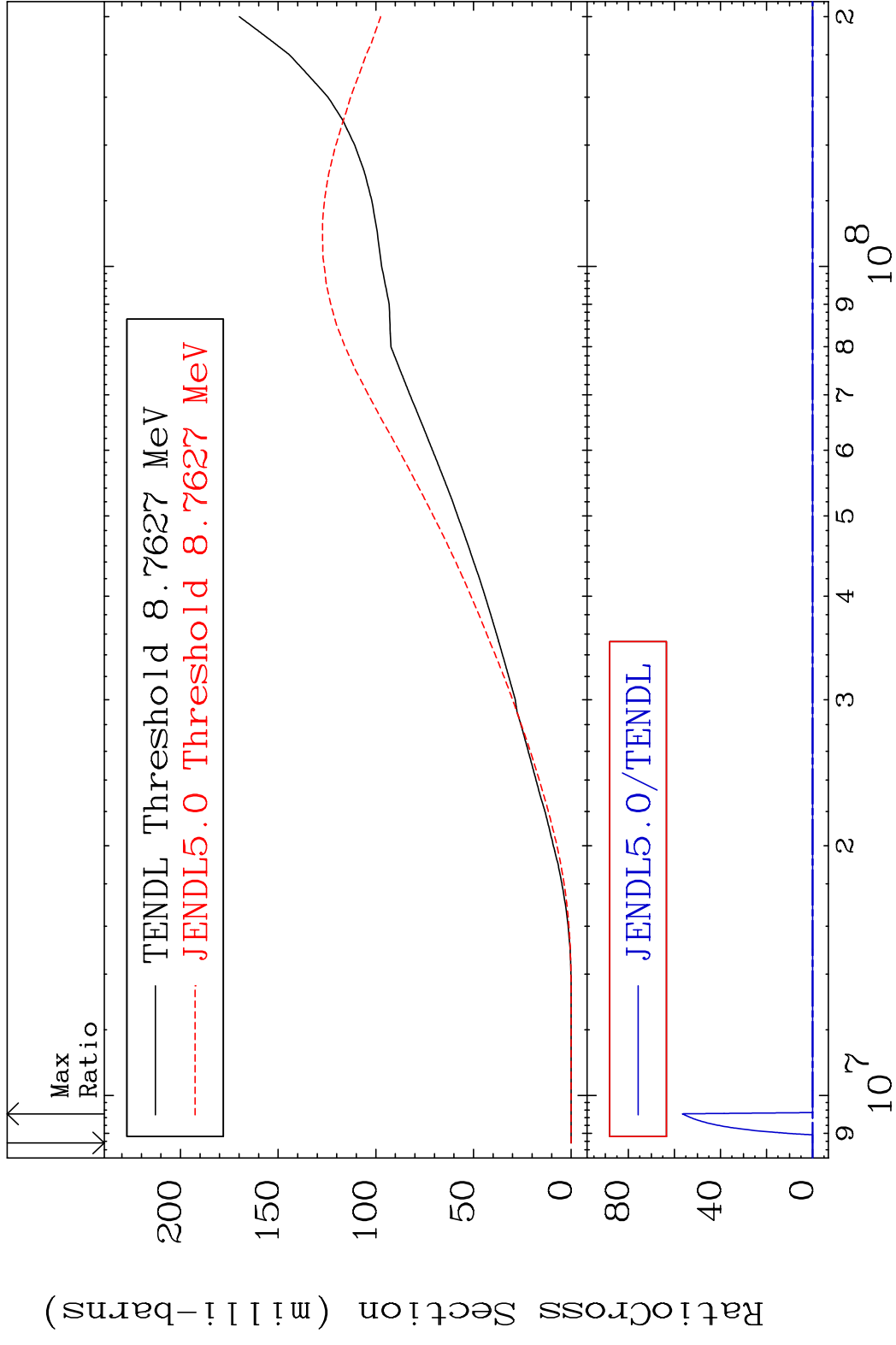
38-Sr-89

MAT 3840 Hydrogen Production 38-Sr-89
 Cross Section -100.0 To 9999. %



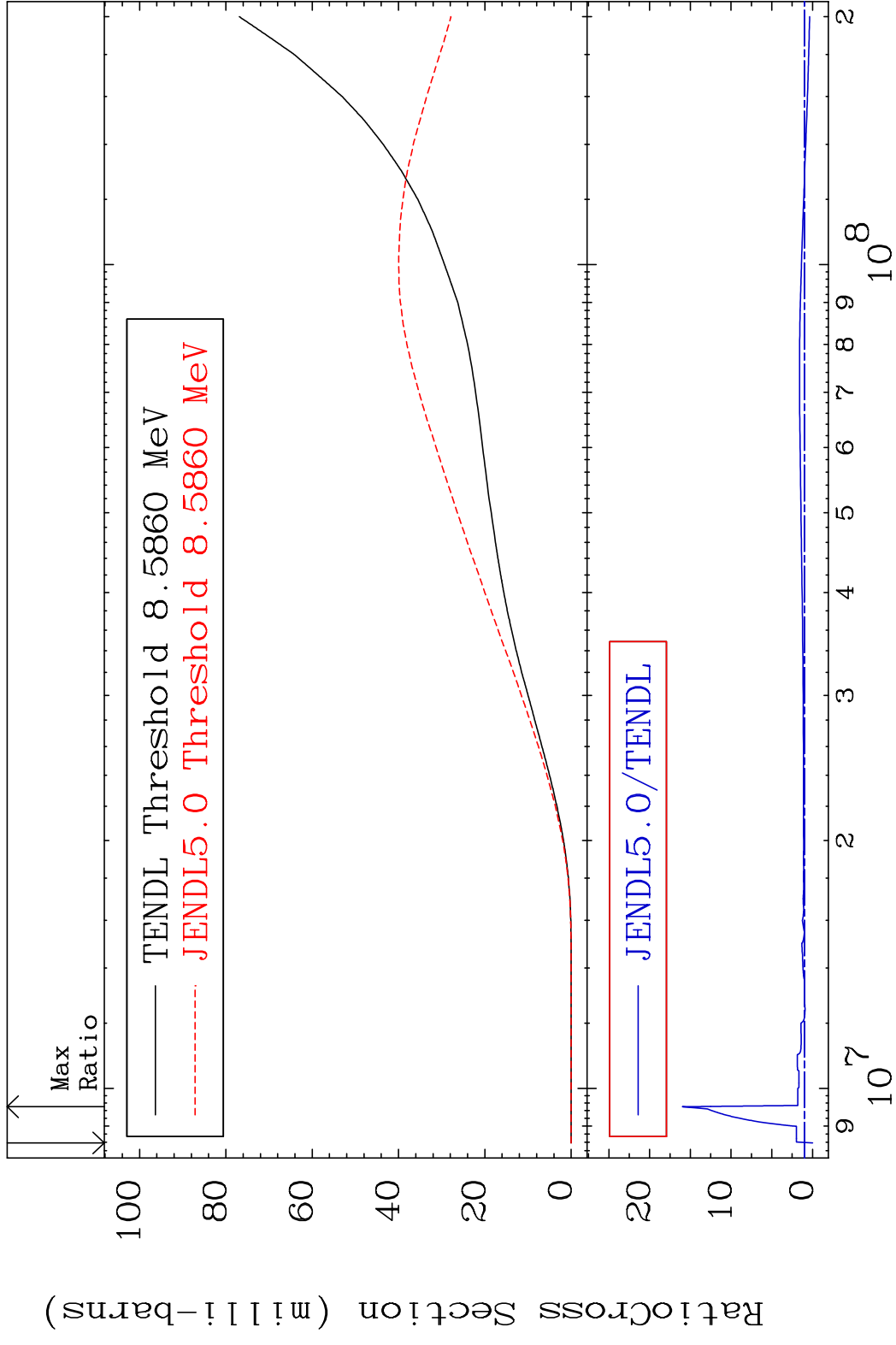
48 Incident Energy (eV) 38-Sr-89

MAT 3840 Deuterium Production 38-Sr-89
 Cross Section -100.0 To 9999. %



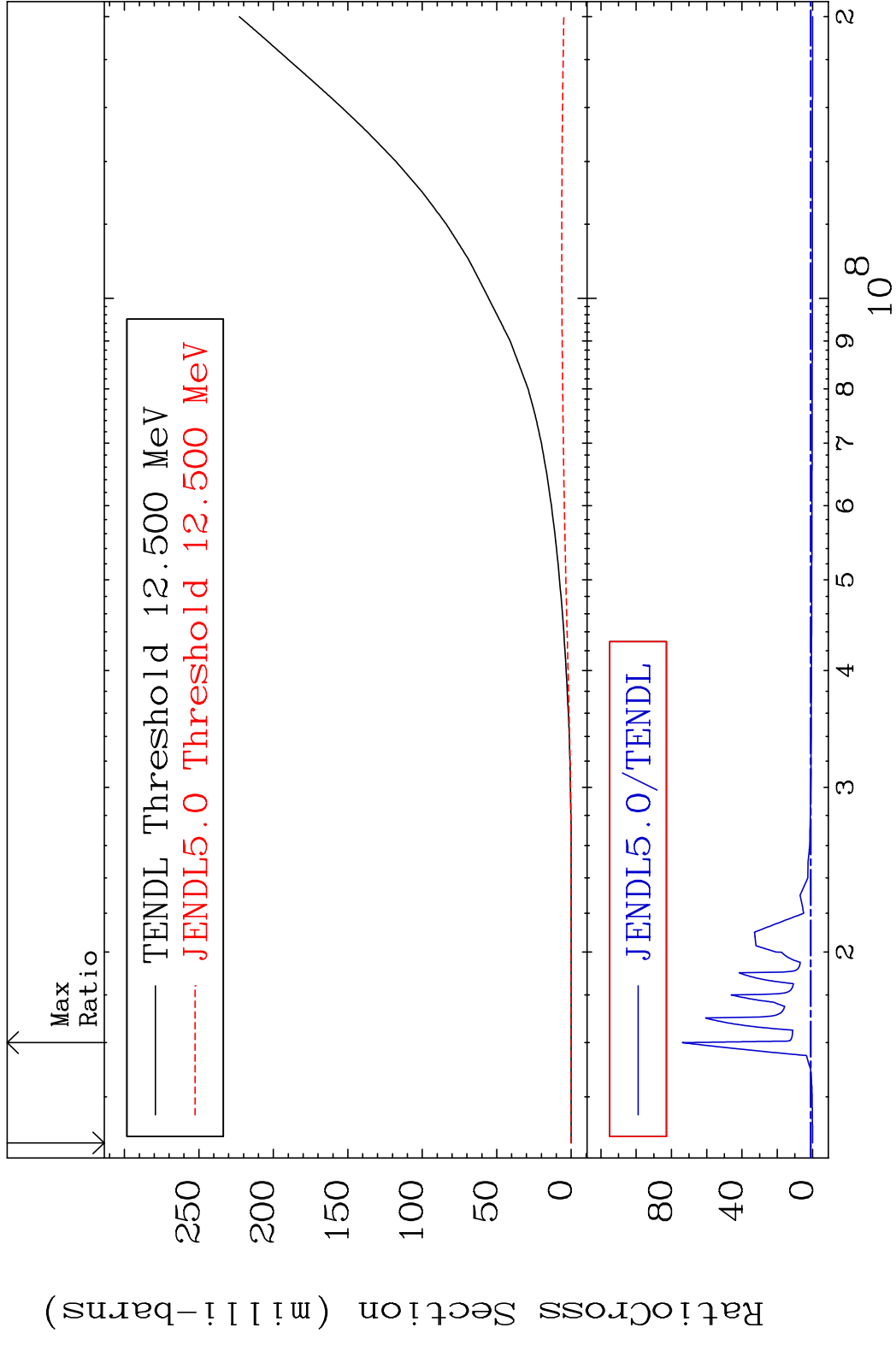
49 Incident Energy (eV) 38-Sr-89

MAT 3840 Tritium Production 38-Sr-89
 Cross Section -100.0 To 1498. %



50 38-Sr-89

MAT 3840 He-3 Production 38-Sr-89
 Cross Section -100.0 To 7281. %

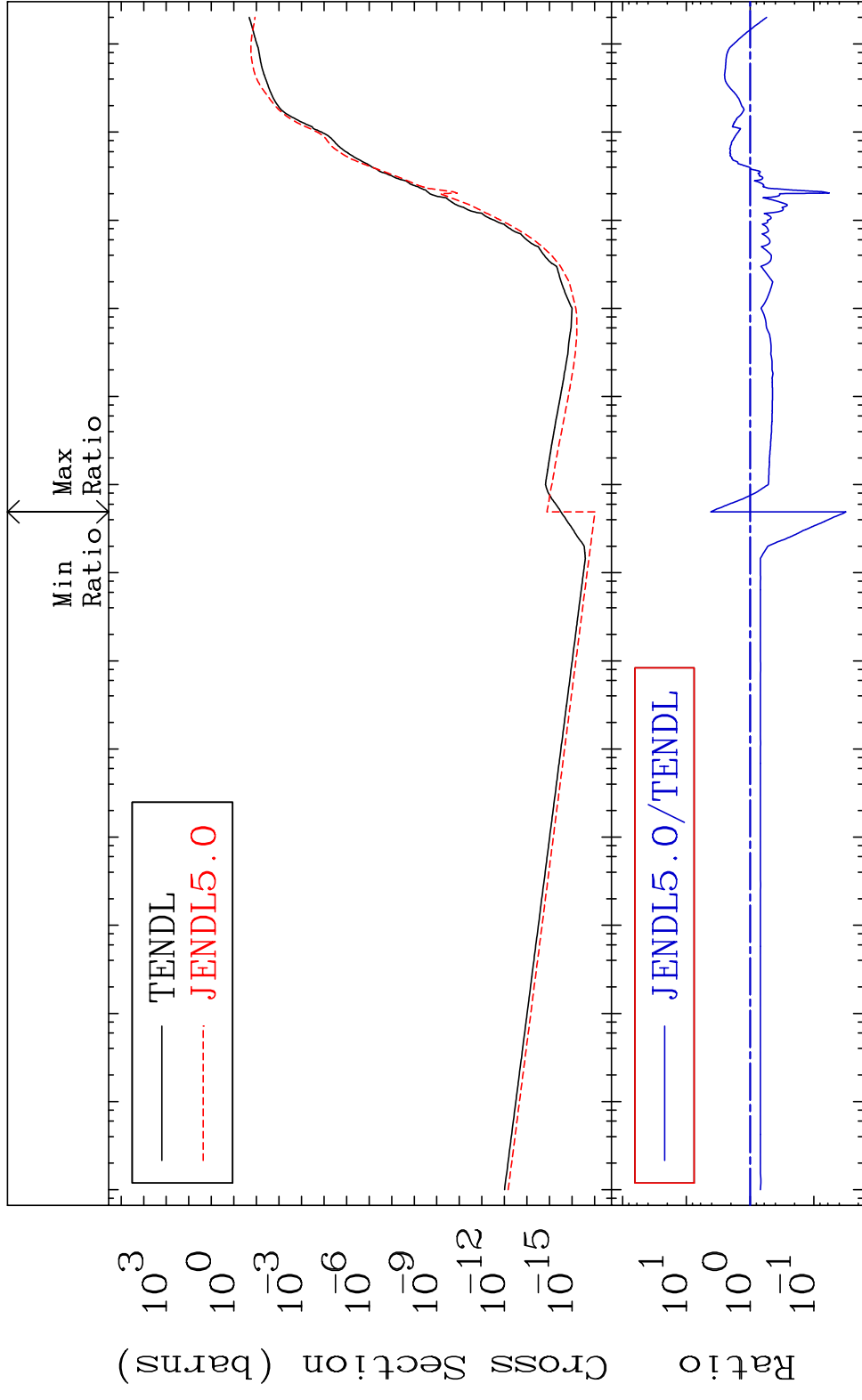


MAT 3840

He-4 Production

38-Sr-89

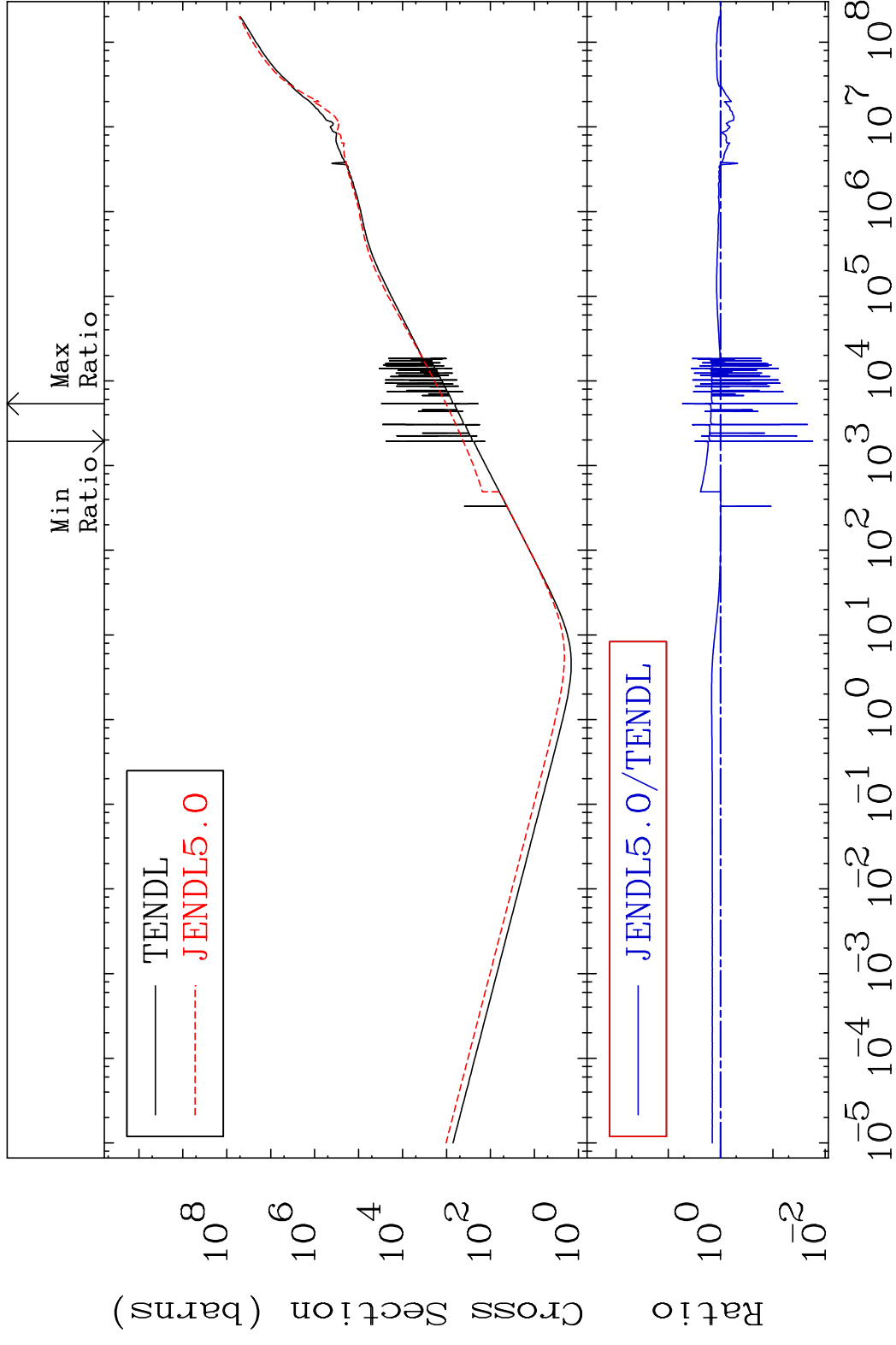
Cross Section -96.92 To 315.2 %



MAT 3840

Kerma total (eV-barns) 38-Sr-89

Cross Section -98.26 To 438.7 %



53

Incident Energy (eV)

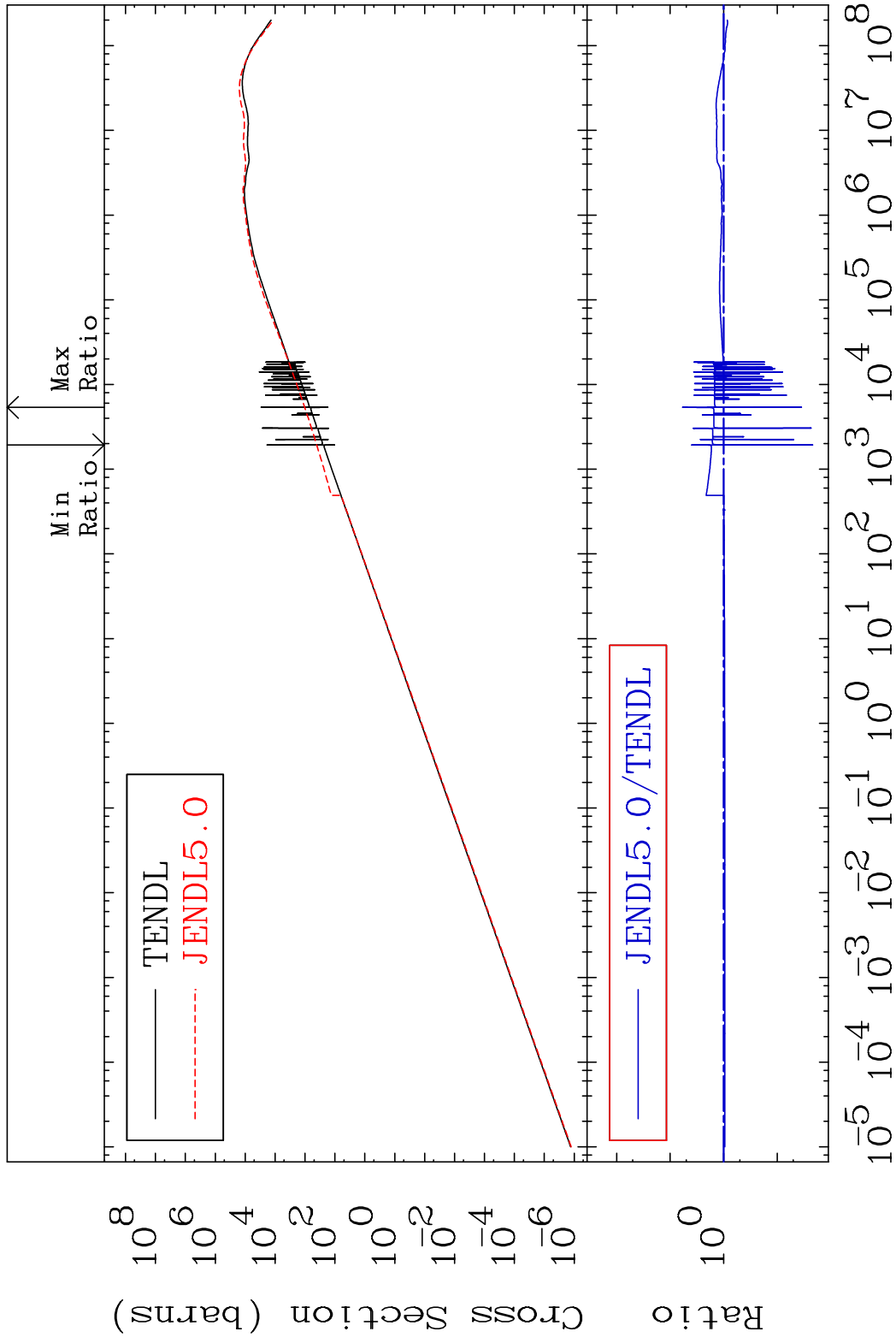
38-Sr-89

MAT 3840

Kerma elastic

38-Sr-89

Cross Section -97.82 To 491.3 %

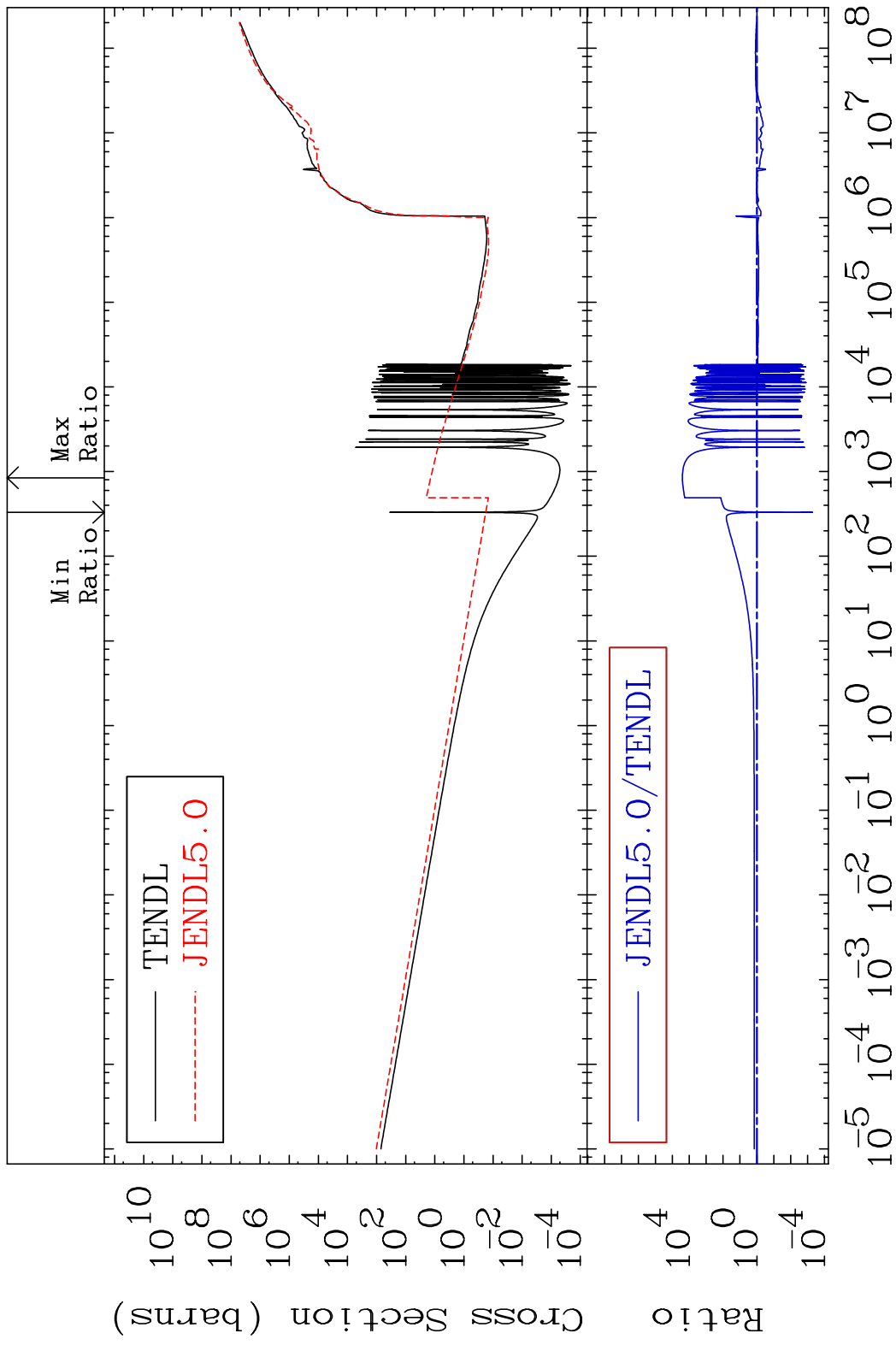


54

Incident Energy (eV)

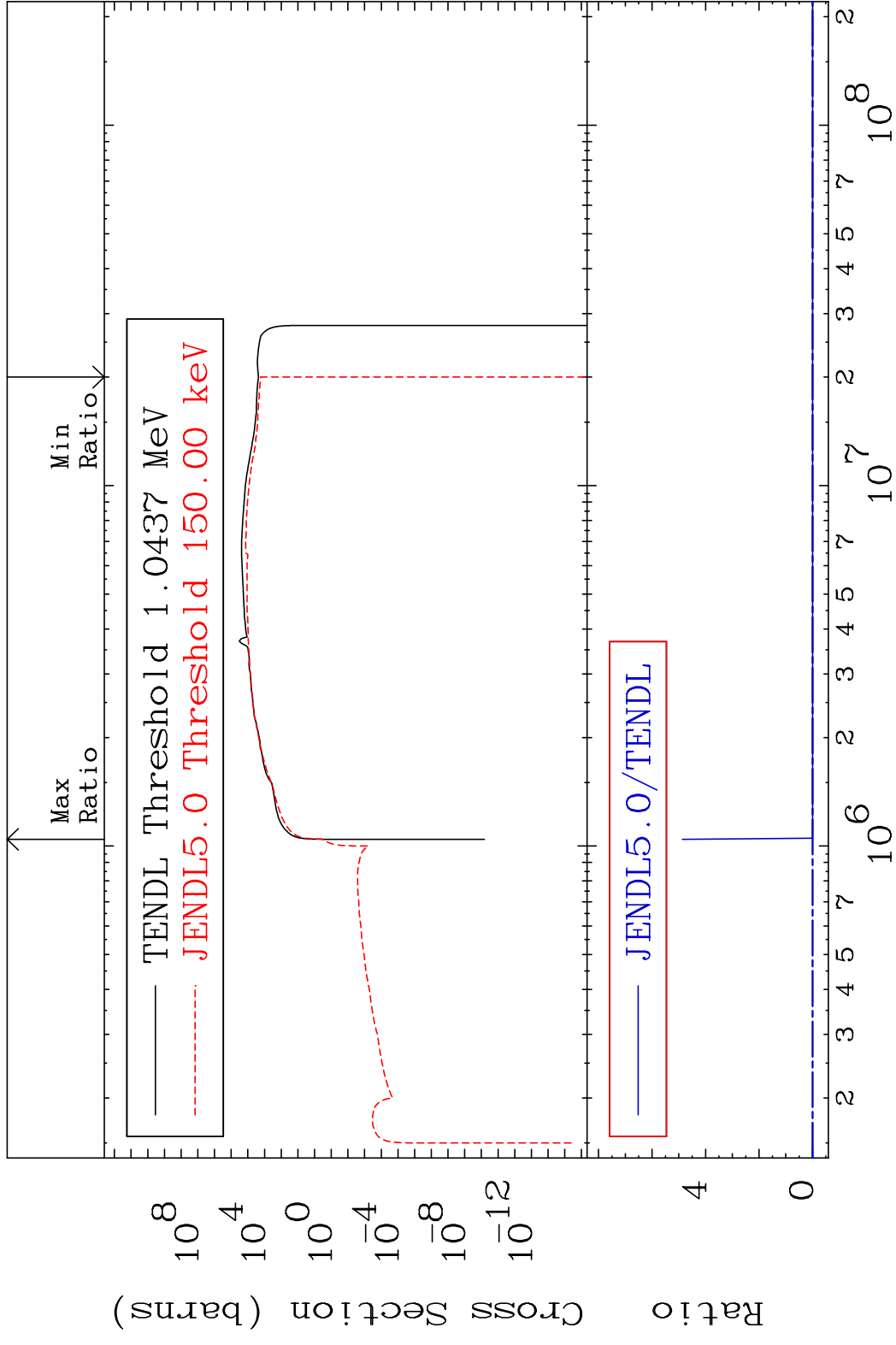
38-Sr-89

MAT 3840 Kerma non-elastic (all but mt2) 38-Sr-89
 Cross Section -99.95 To 9999. %

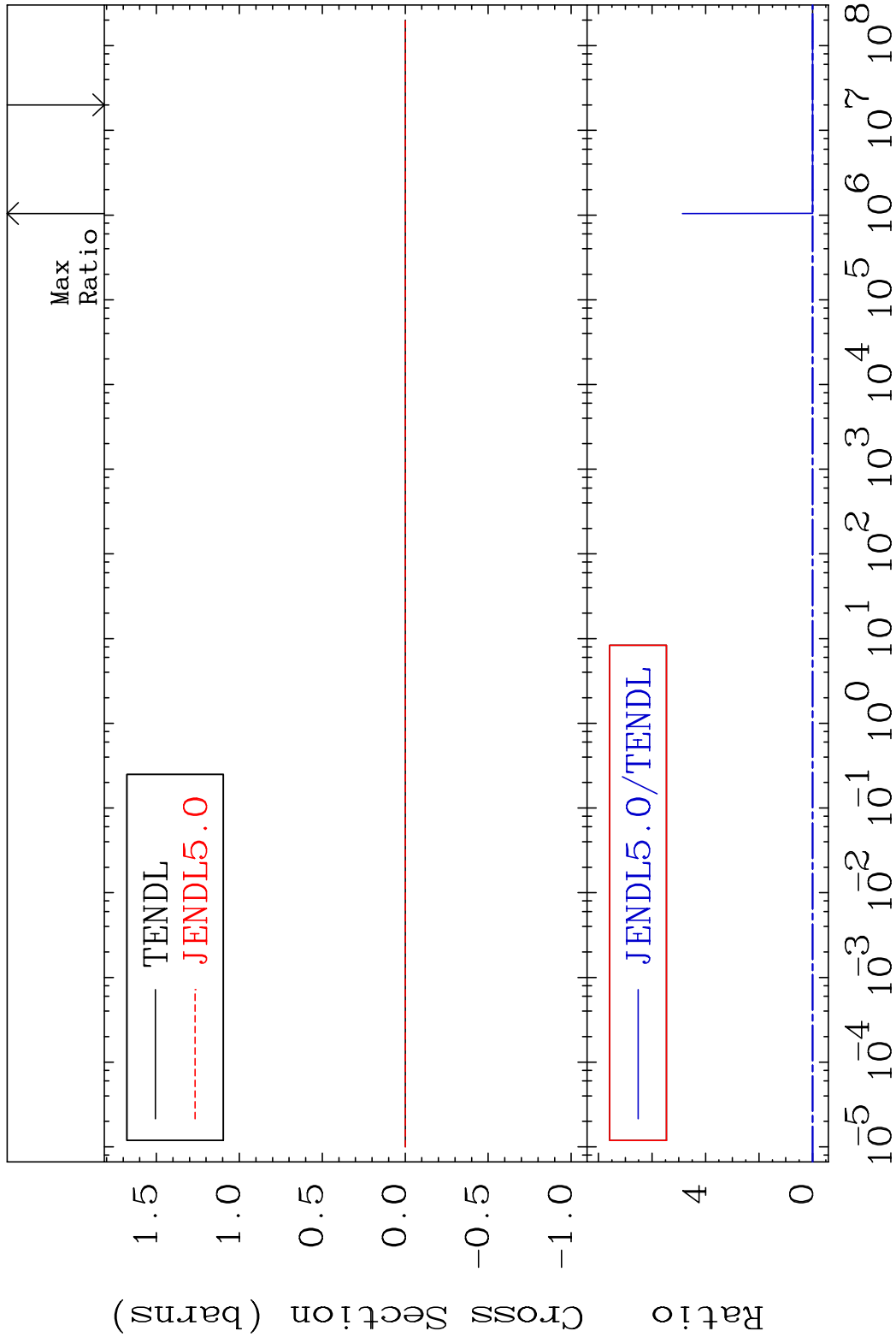


55 Incident Energy (eV) 38-Sr-89

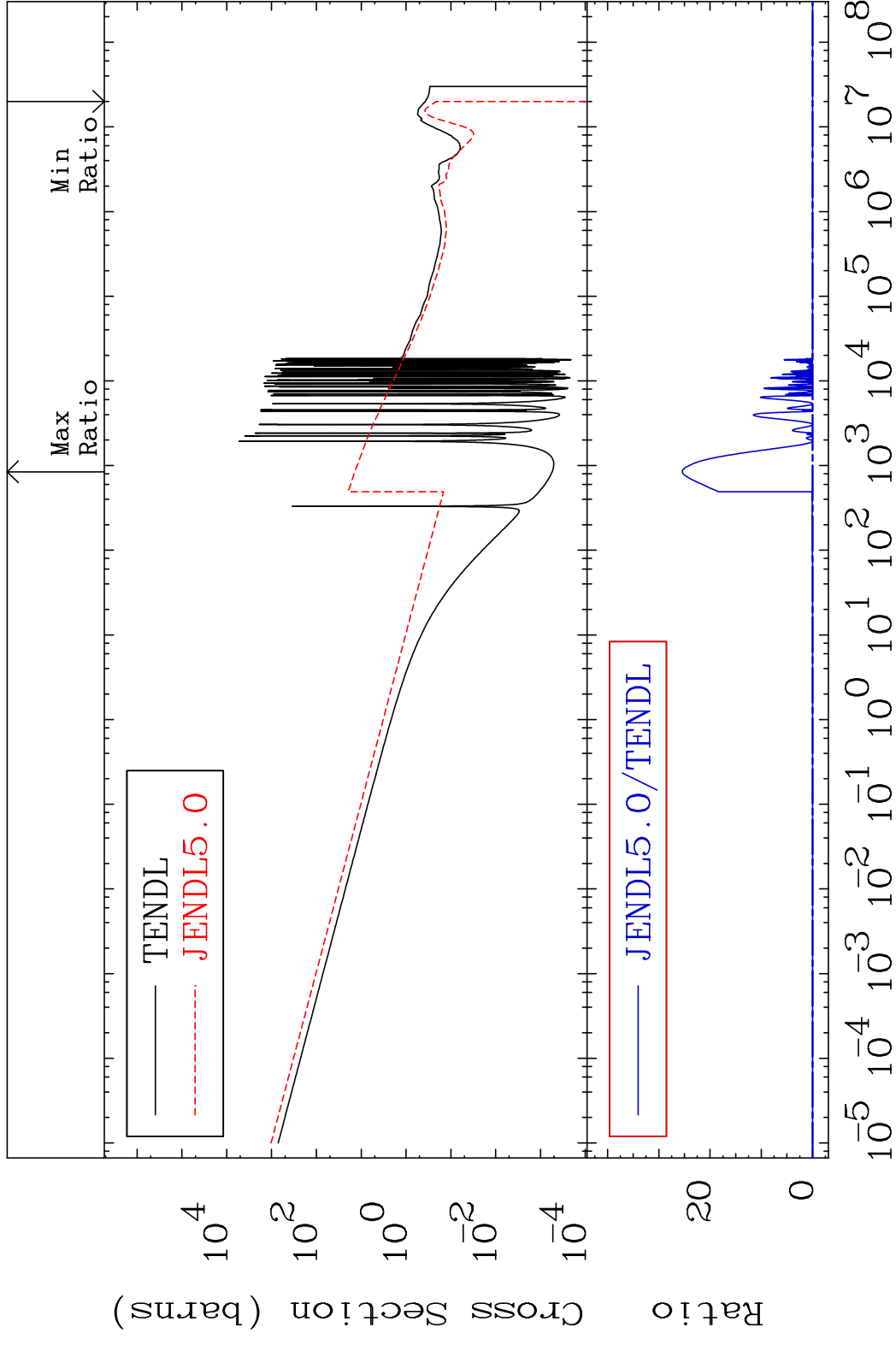
MAT 3840 Kerma inelastic (mt51-91) 38-Sr-89
 Cross Section -100.0 To 9999. %



MAT 3840 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-89
 Cross Section -100.0 To 9999. %

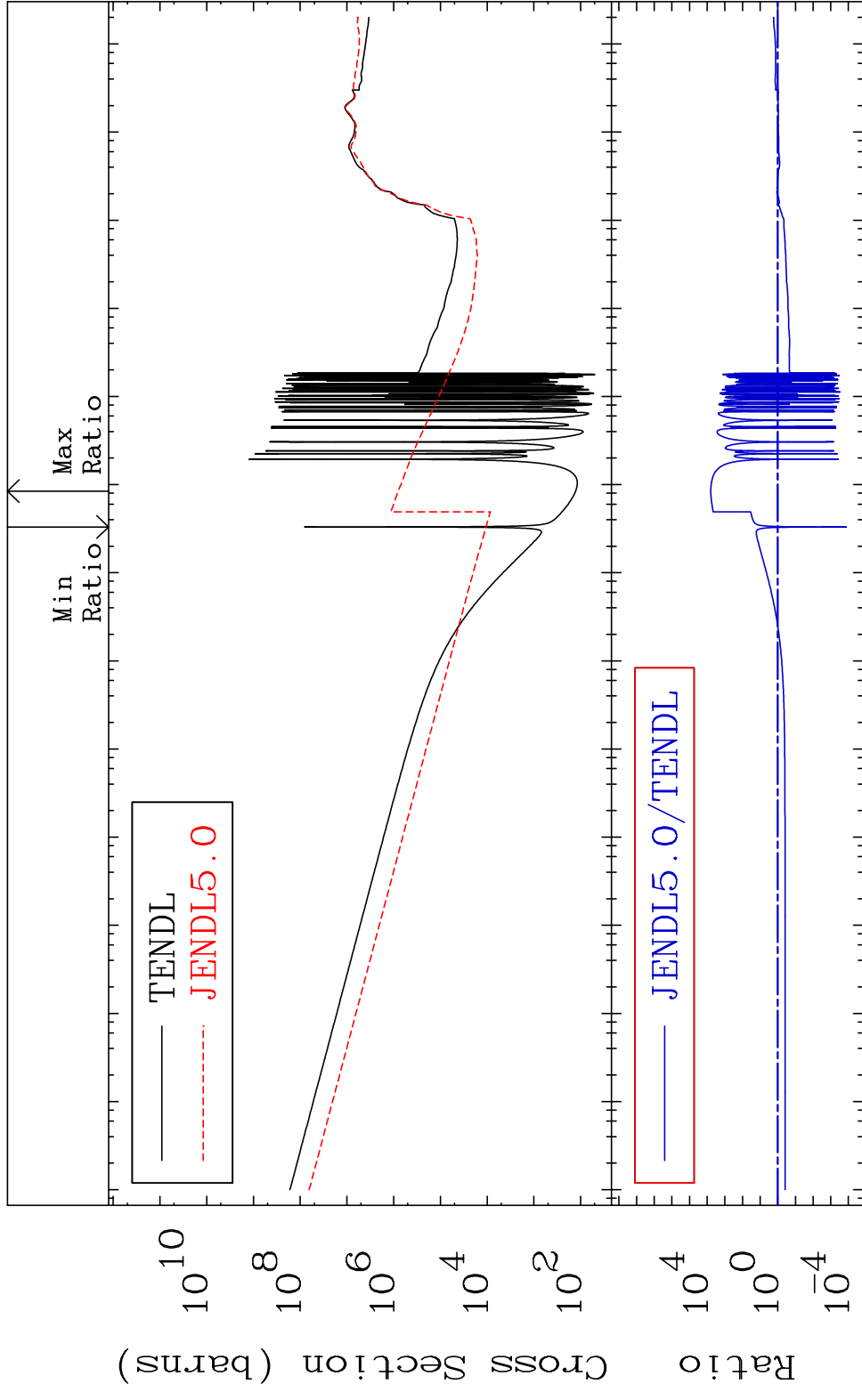


MAT 3840 Kerma capture (mt102) 38-Sr-89
 Cross Section -100.0 To 9999. %



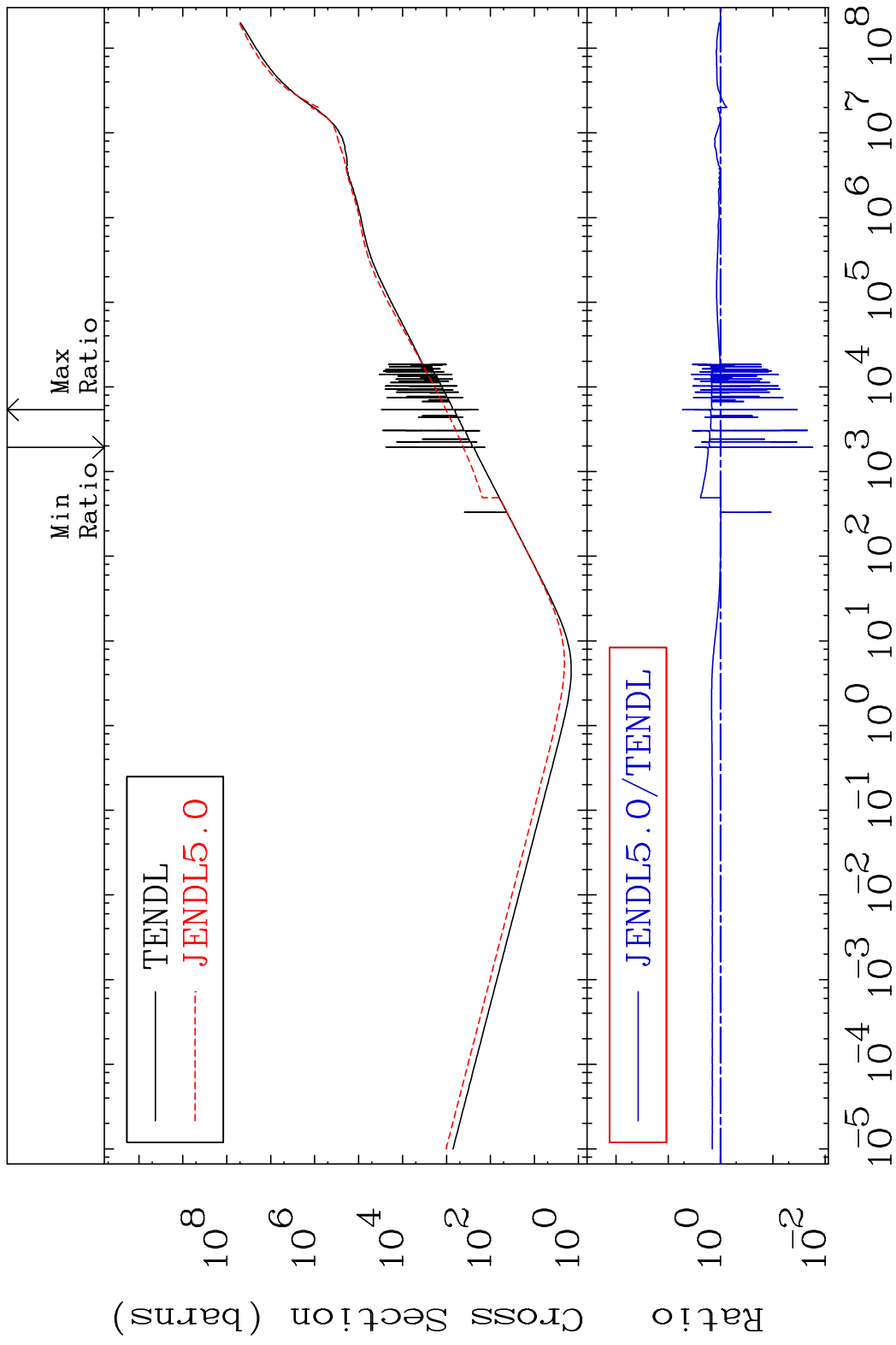
58 Incident Energy (eV) 38-Sr-89

MAT 3840 Total photon (eV-barns) 38-Sr-89
 Cross Section -99.99 To 9999. %



59 Incident Energy (eV) 38-Sr-89

MAT 3840 Total kinematic kerma (high limit) 38-Sr-89
 Cross Section -98.26 To 438.7 %



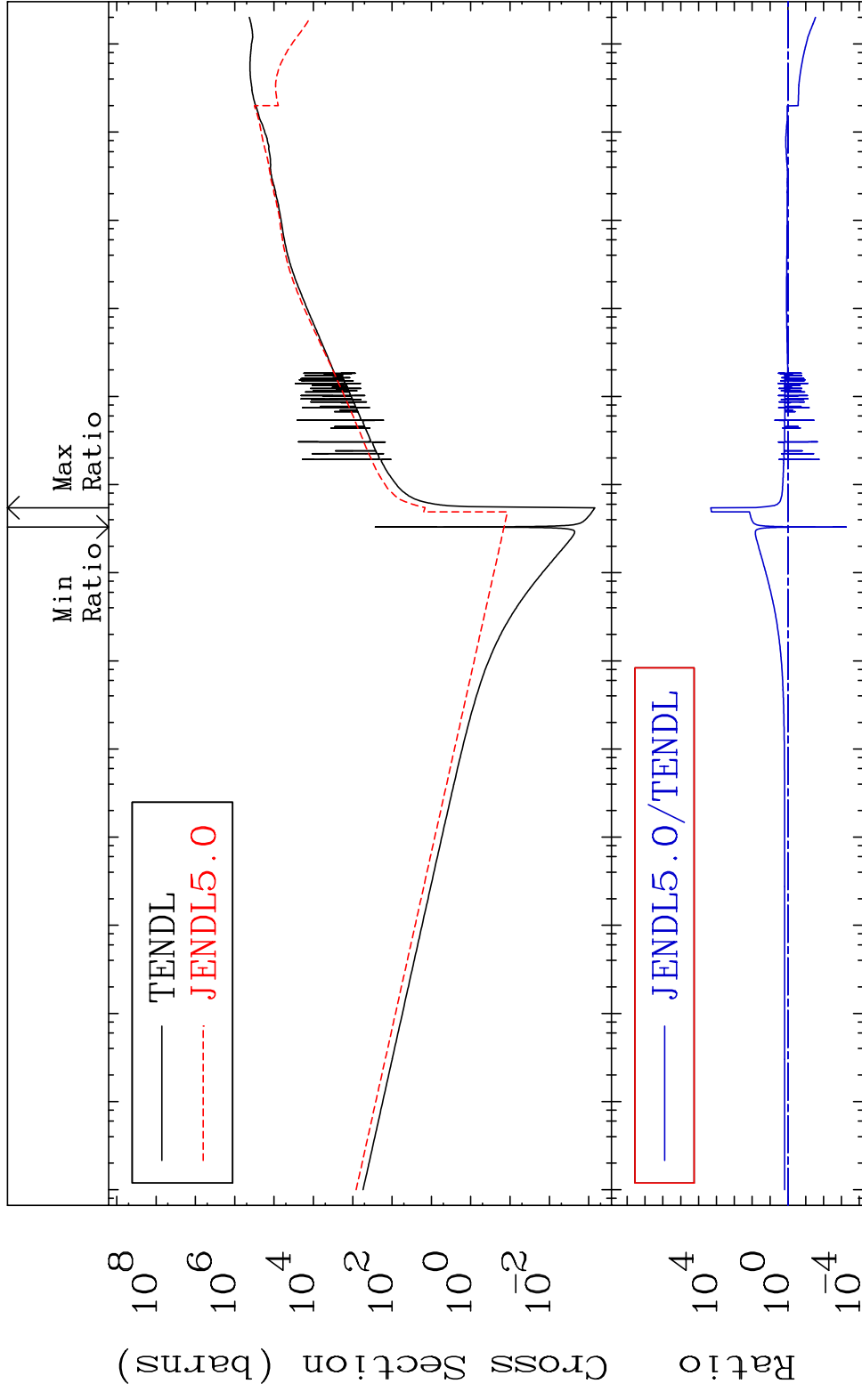
60 Incident Energy (eV) 38-Sr-89

MAT 3840

Dpa total (eV-barns)

38-Sr-89

Cross Section -99.95 To 9999. %



61

Incident Energy (eV)

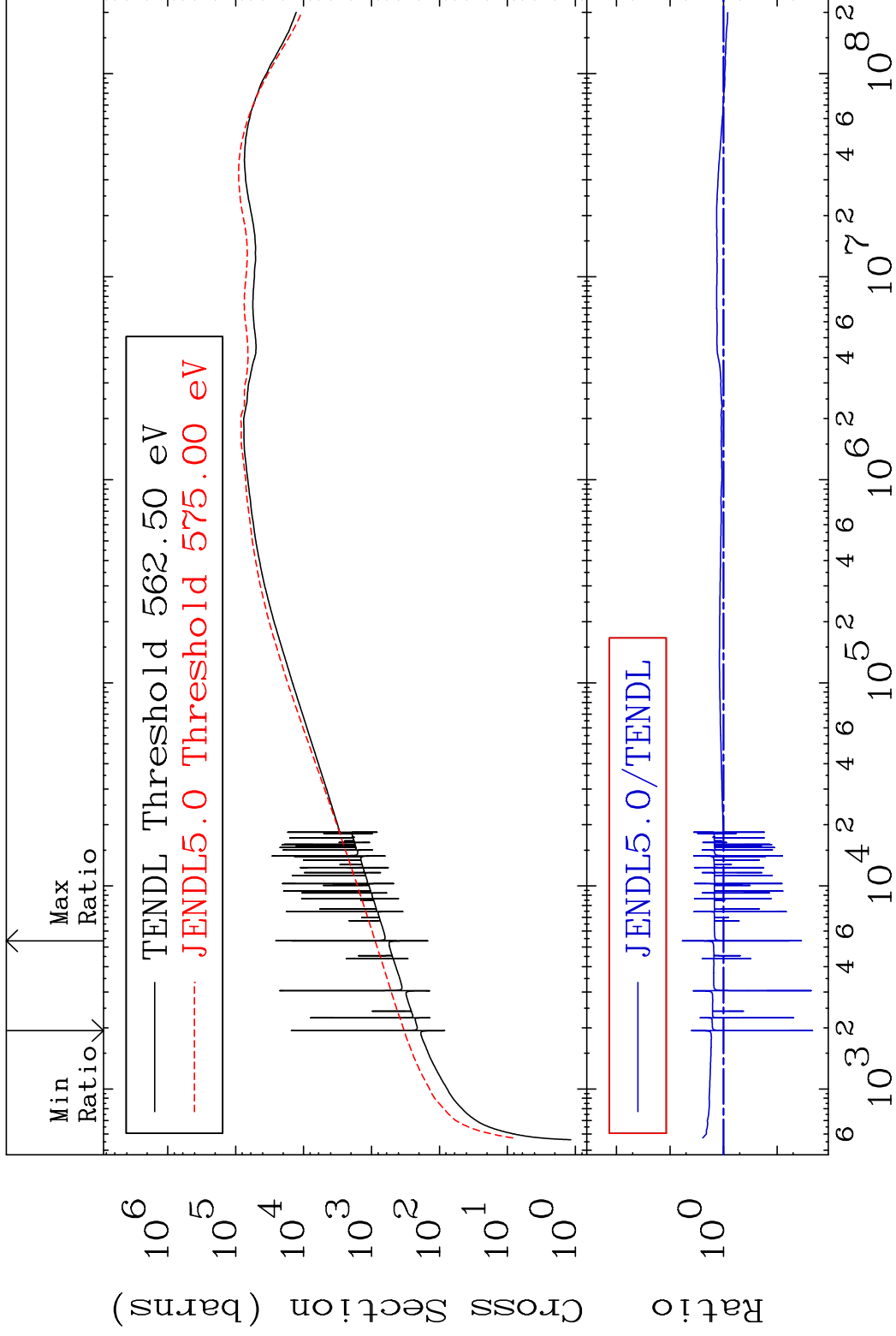
38-Sr-89

MAT 3840

Dpa elastic (mt2)

38-Sr-89

Cross Section -97.82 To 492.5 %

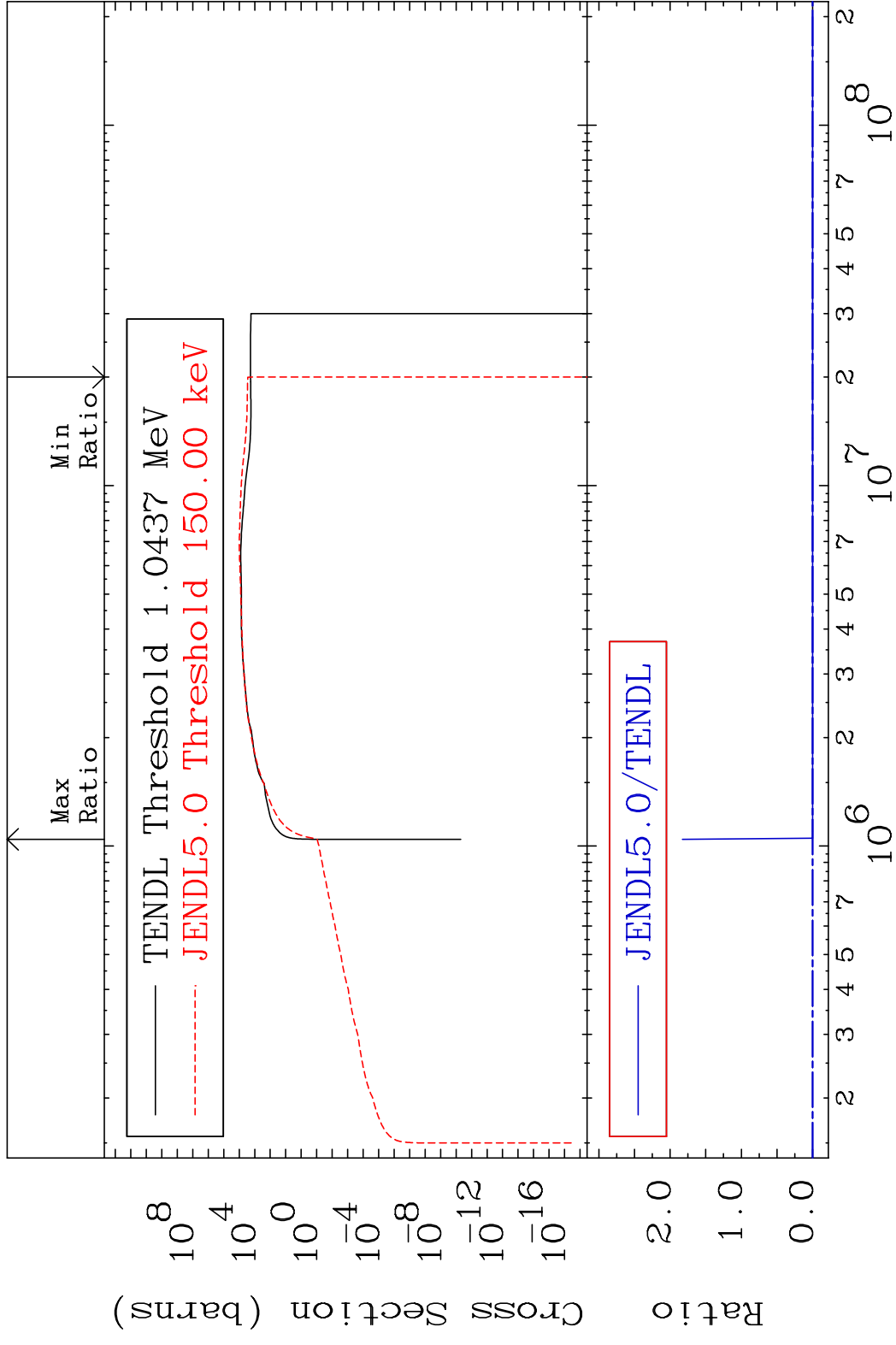


62

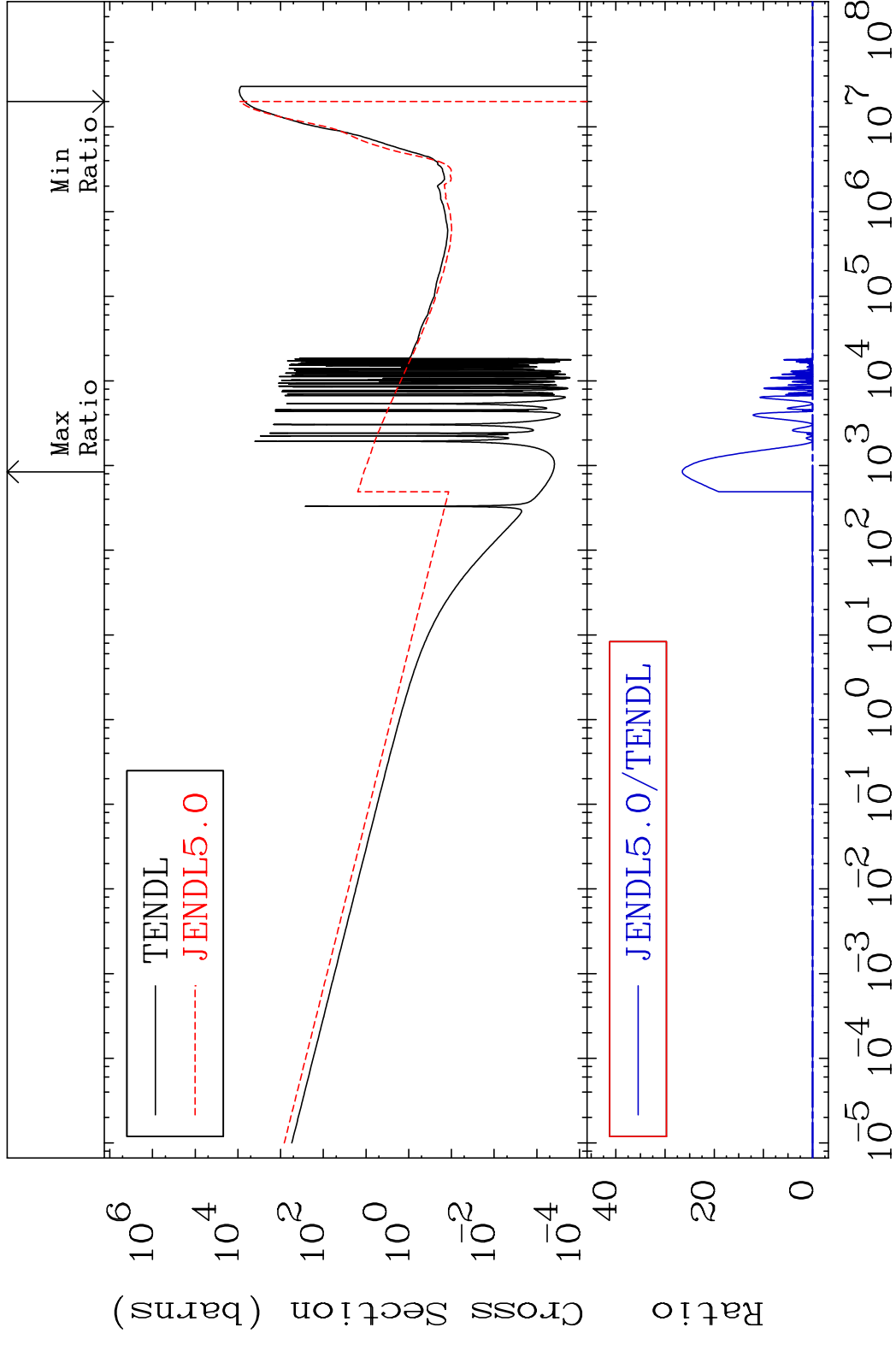
Incident Energy (eV)

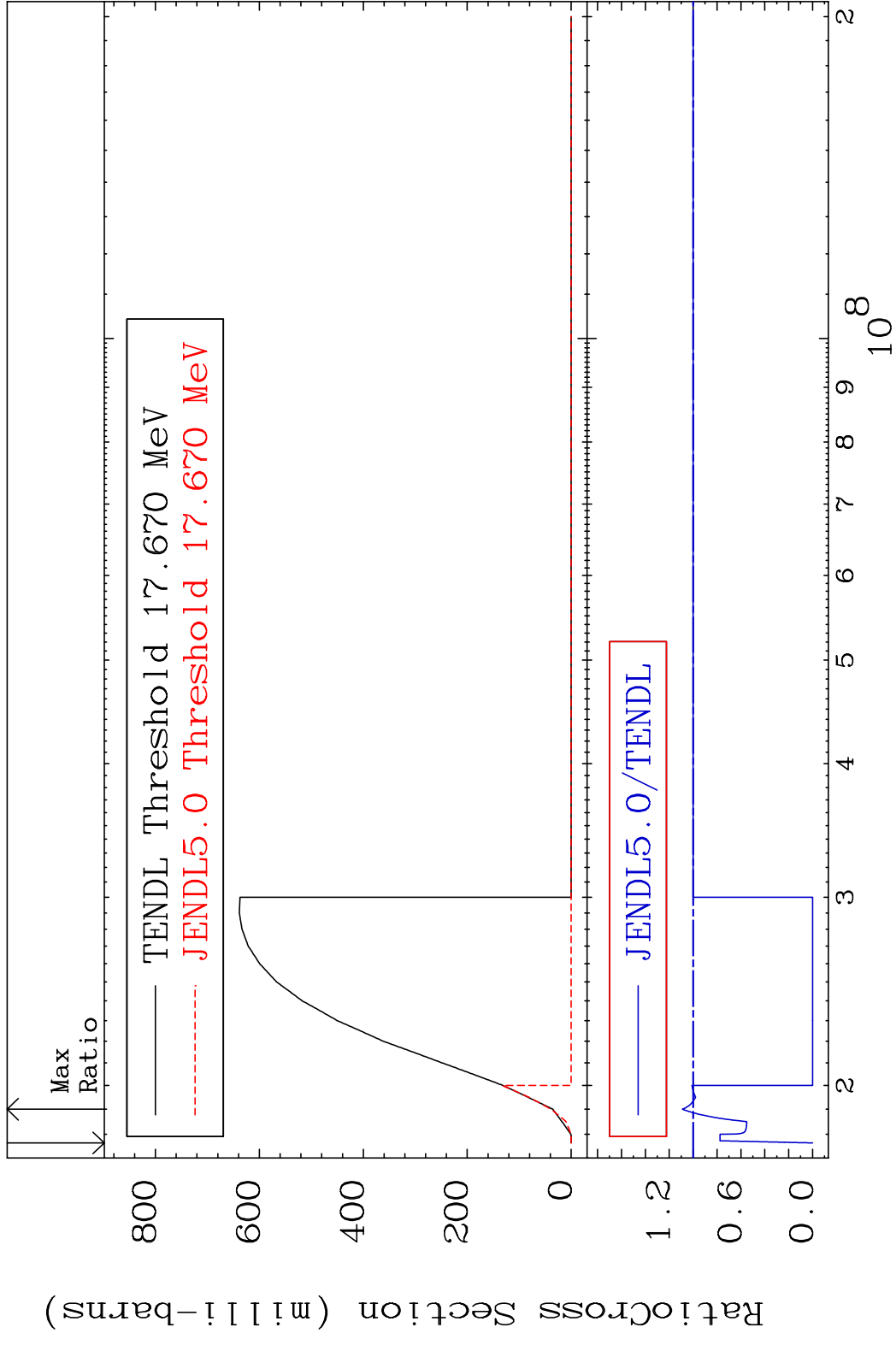
38-Sr-89

MAT 3840 Dpa inelastic (mt51-91) 38-Sr-89
 Cross Section -100.0 To 9999. %

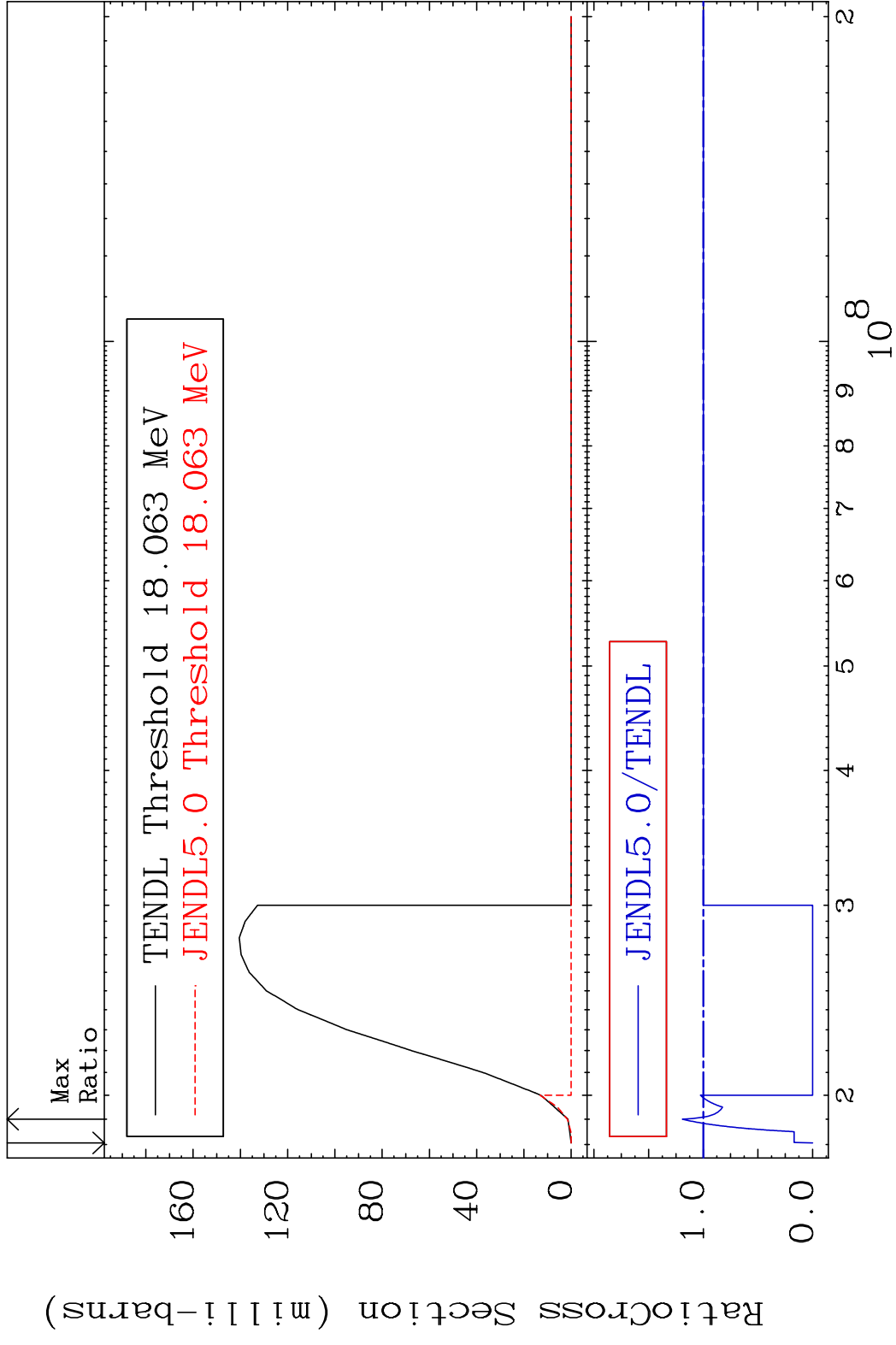


MAT 3840 Dpa disappearance (mt102 -120) 38-Sr-89
 Cross Section -100.0 To 9999. %

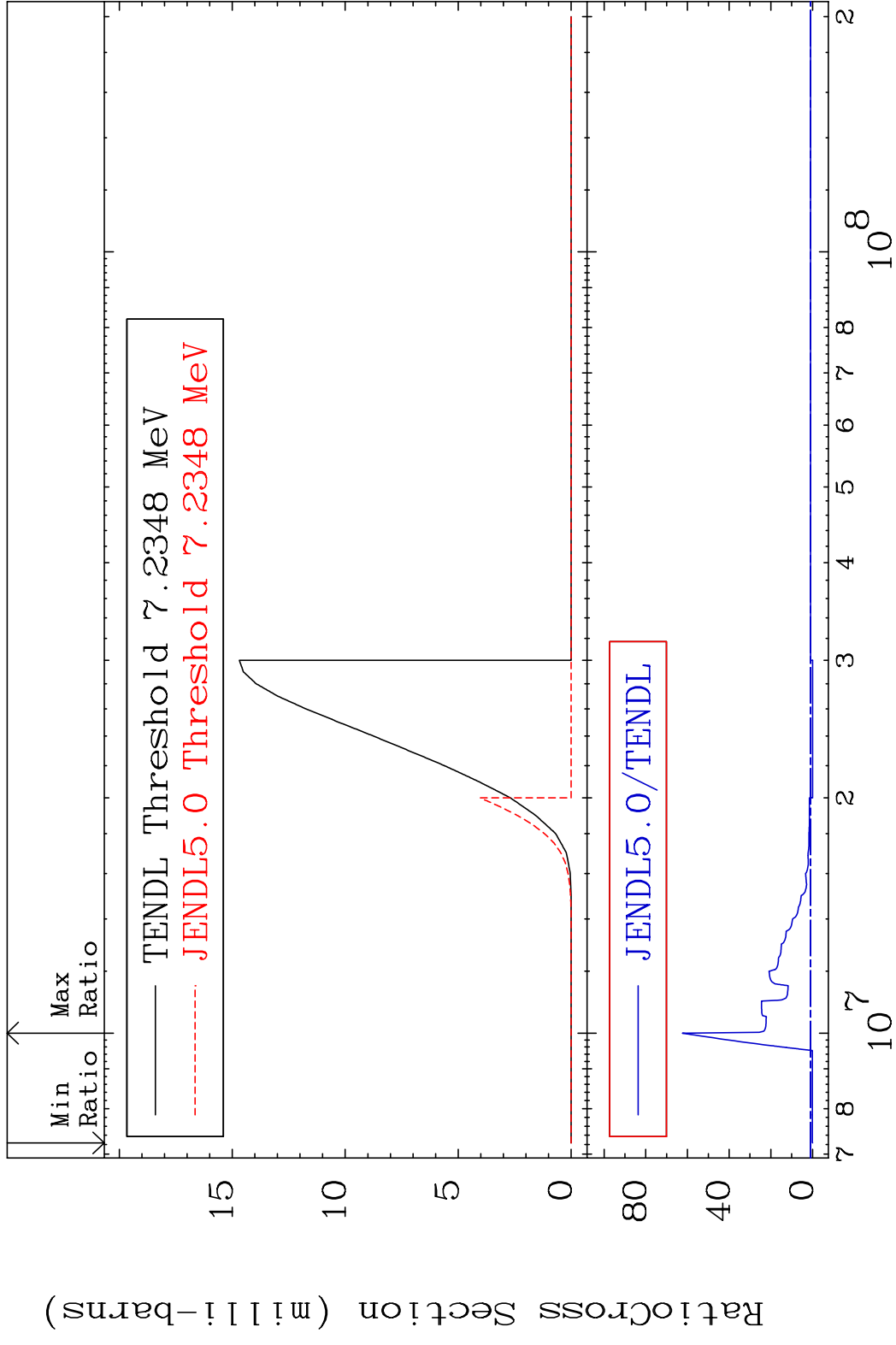




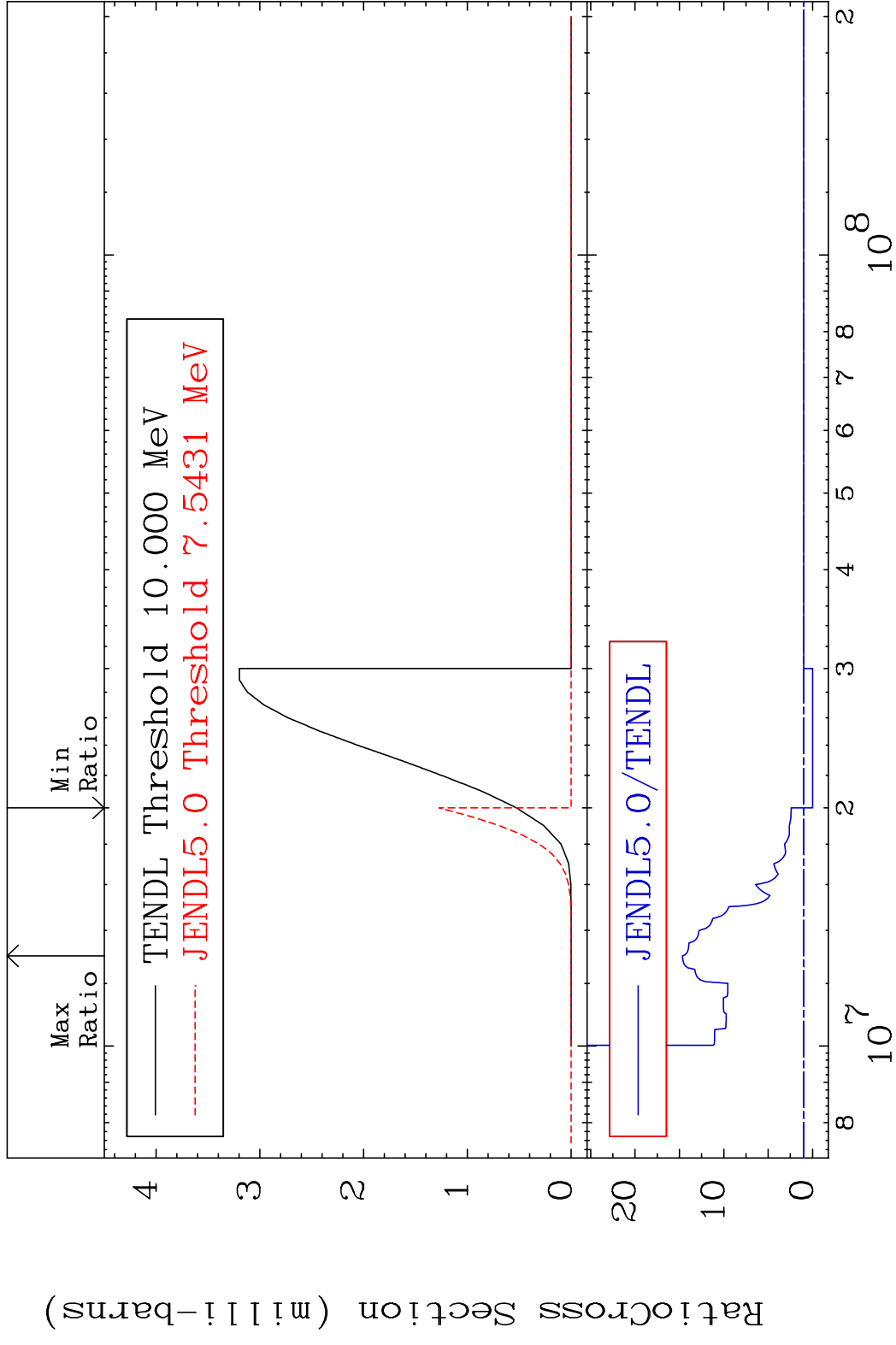
MAT 3840 (n,3n):38-Sr-87m1 38-Sr-89
 Radionuclide Production Cross Section Ratio 19.13 %



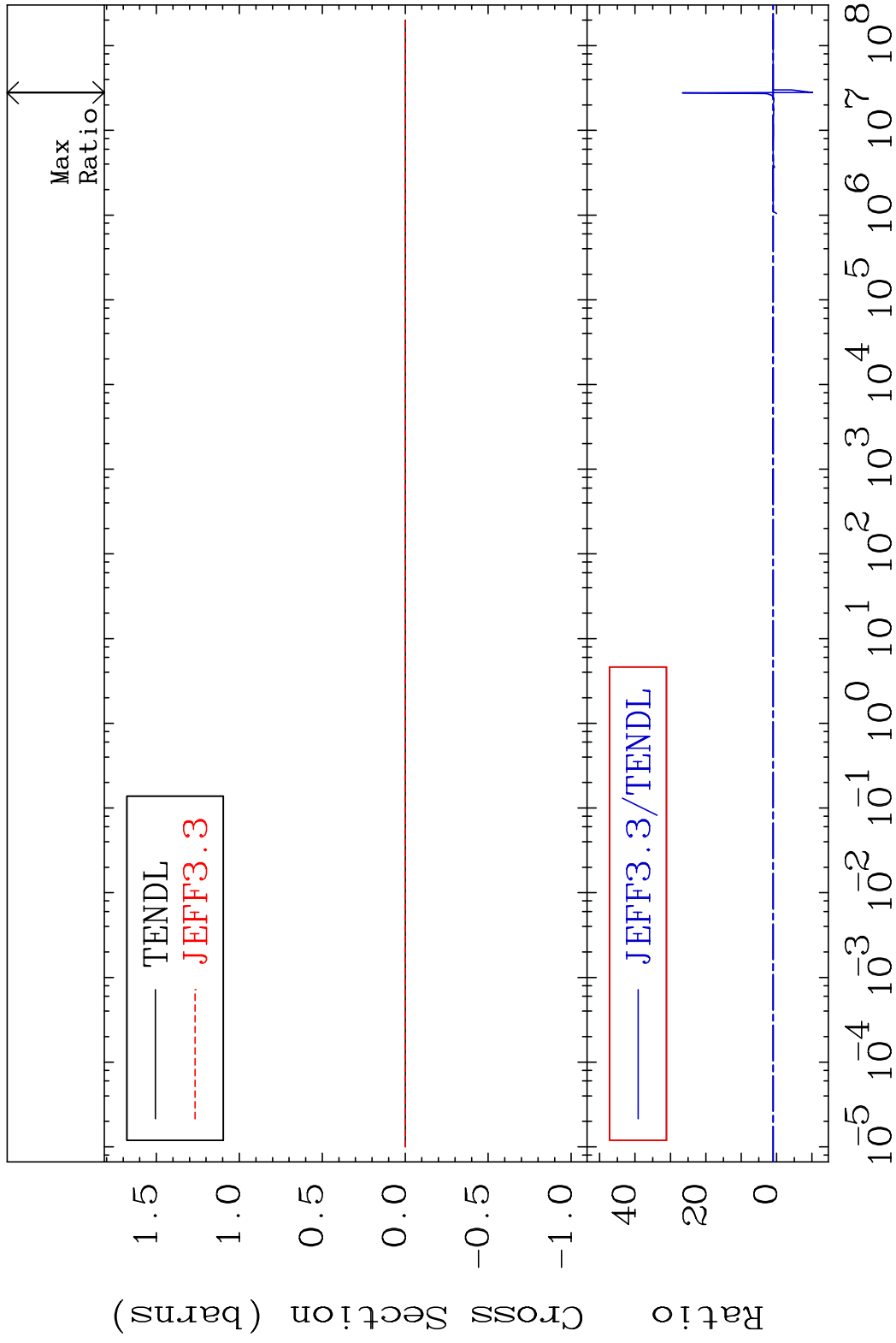
MAT 3840 (n, n') α :36-Kr-85g 38-Sr-89
 Radionuclide Production Cross Section 6145. %



MAT 3840 (n, n') α :36-Kr-85m1 38-Sr-89
 Radionuclide Production Cross Section 1367. %

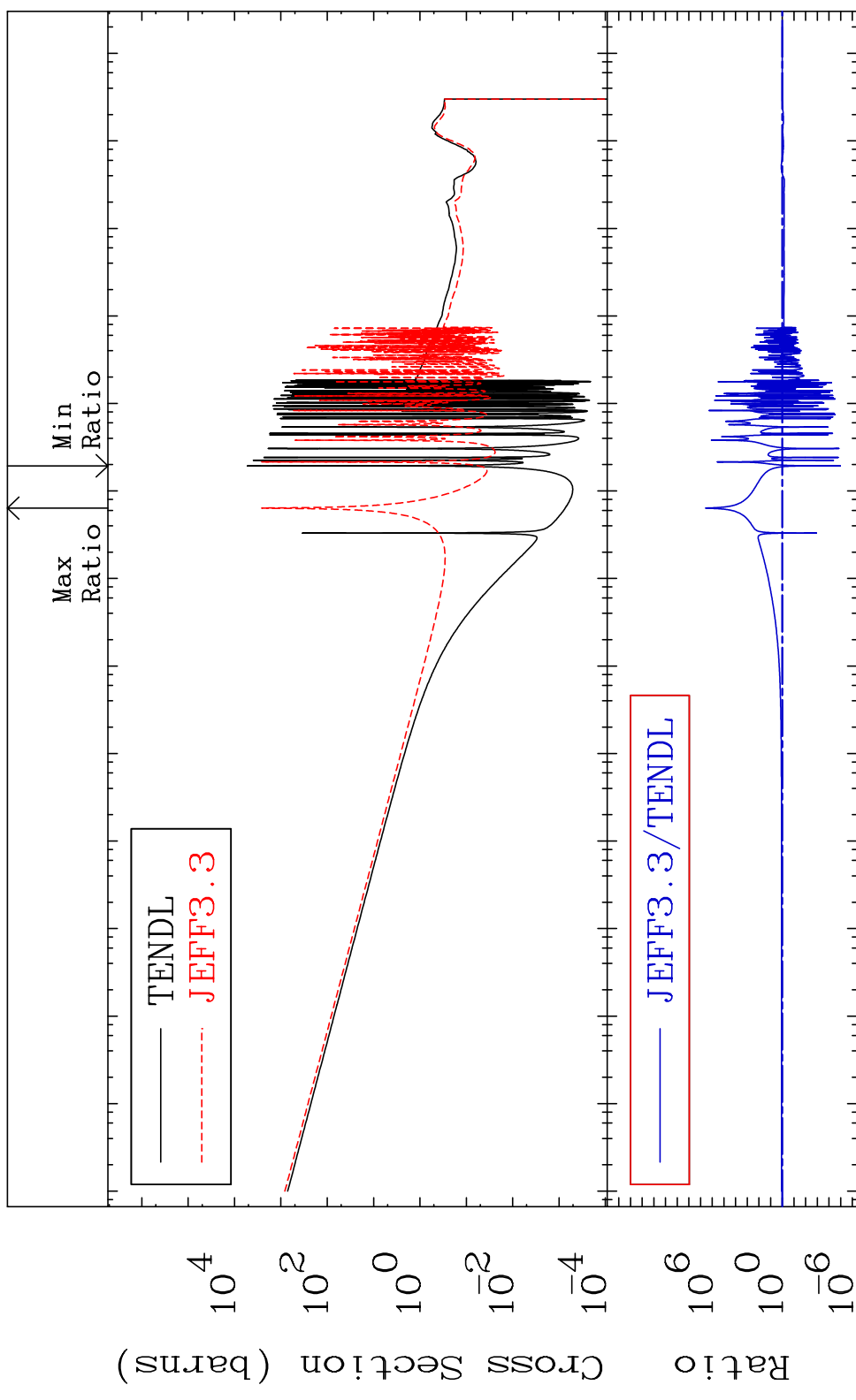


MAT 3840 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-89
 Cross Section -1116. To 2563. %



MAT 3840

Kerma capture (mt102) 38-Sr-89
Cross Section -100.0 To 9999. %



70

Incident Energy (eV)

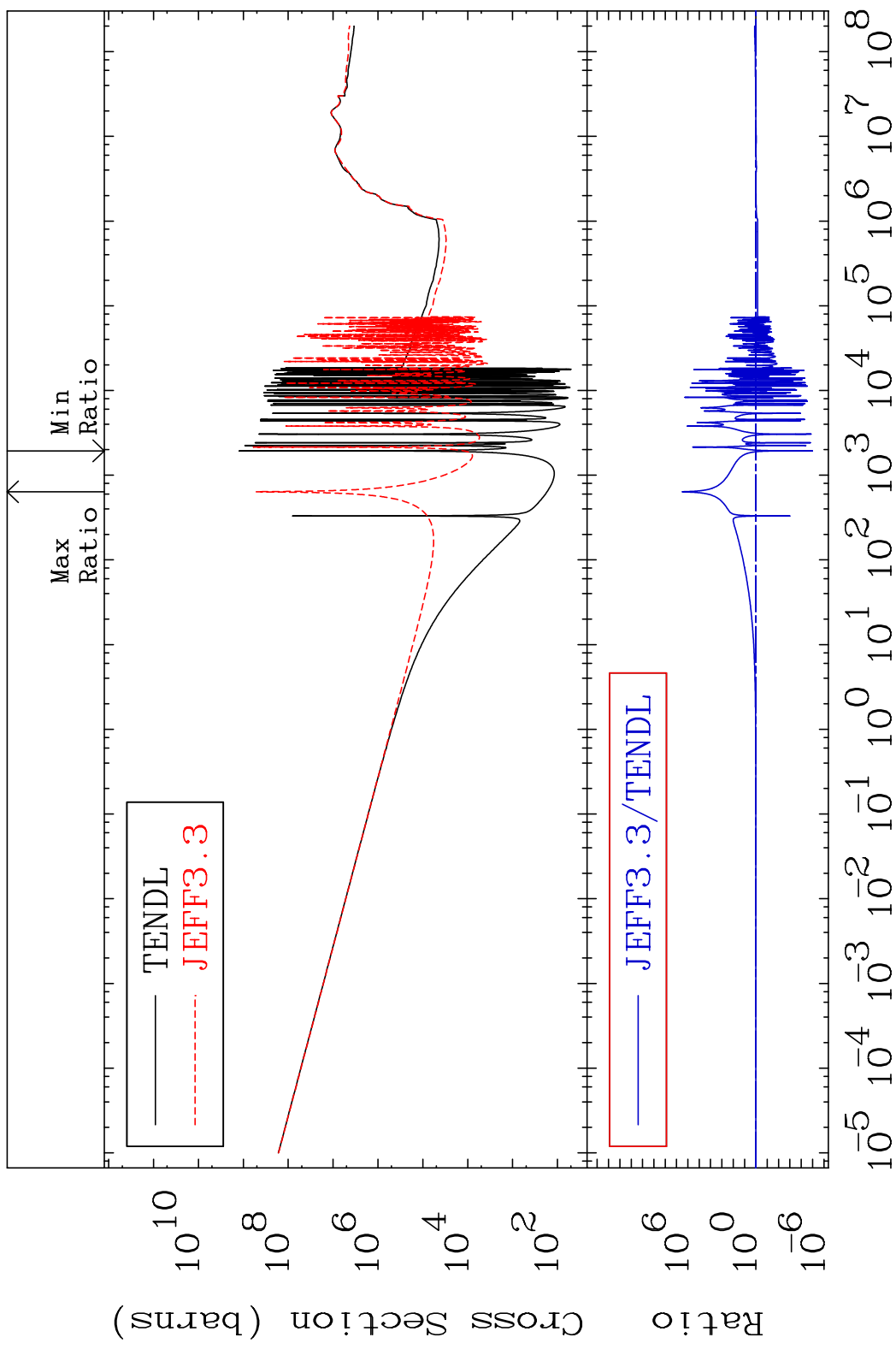
38-Sr-89

MAT 3840

Total photon (eV-barns)

38-Sr-89

Cross Section -100.0 To 9999. %

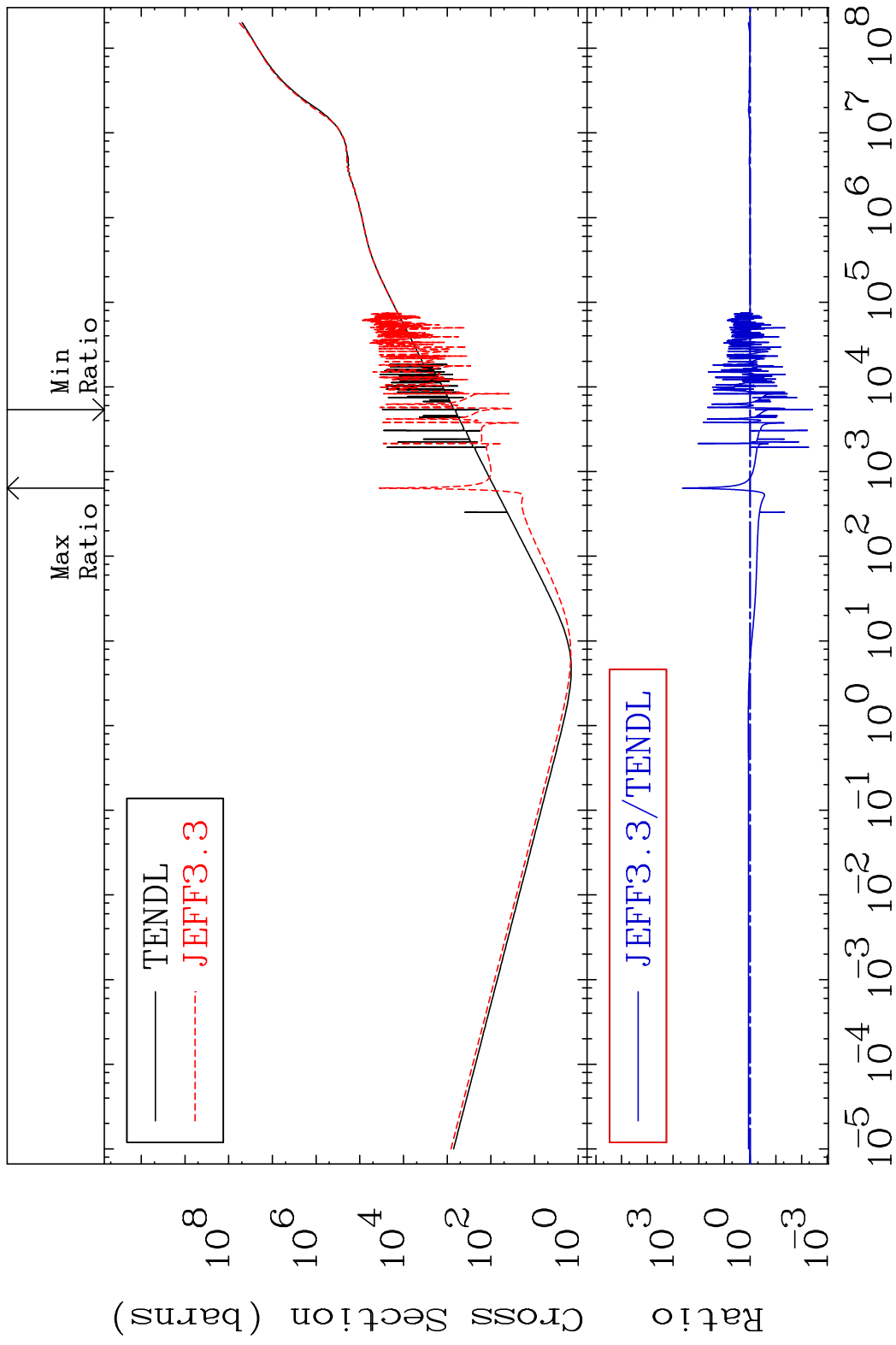


71

Incident Energy (eV)

38-Sr-89

MAT 3840 Total kinematic kerma (high limit) 38-Sr-89
 Cross Section -99.63 To 9999. %

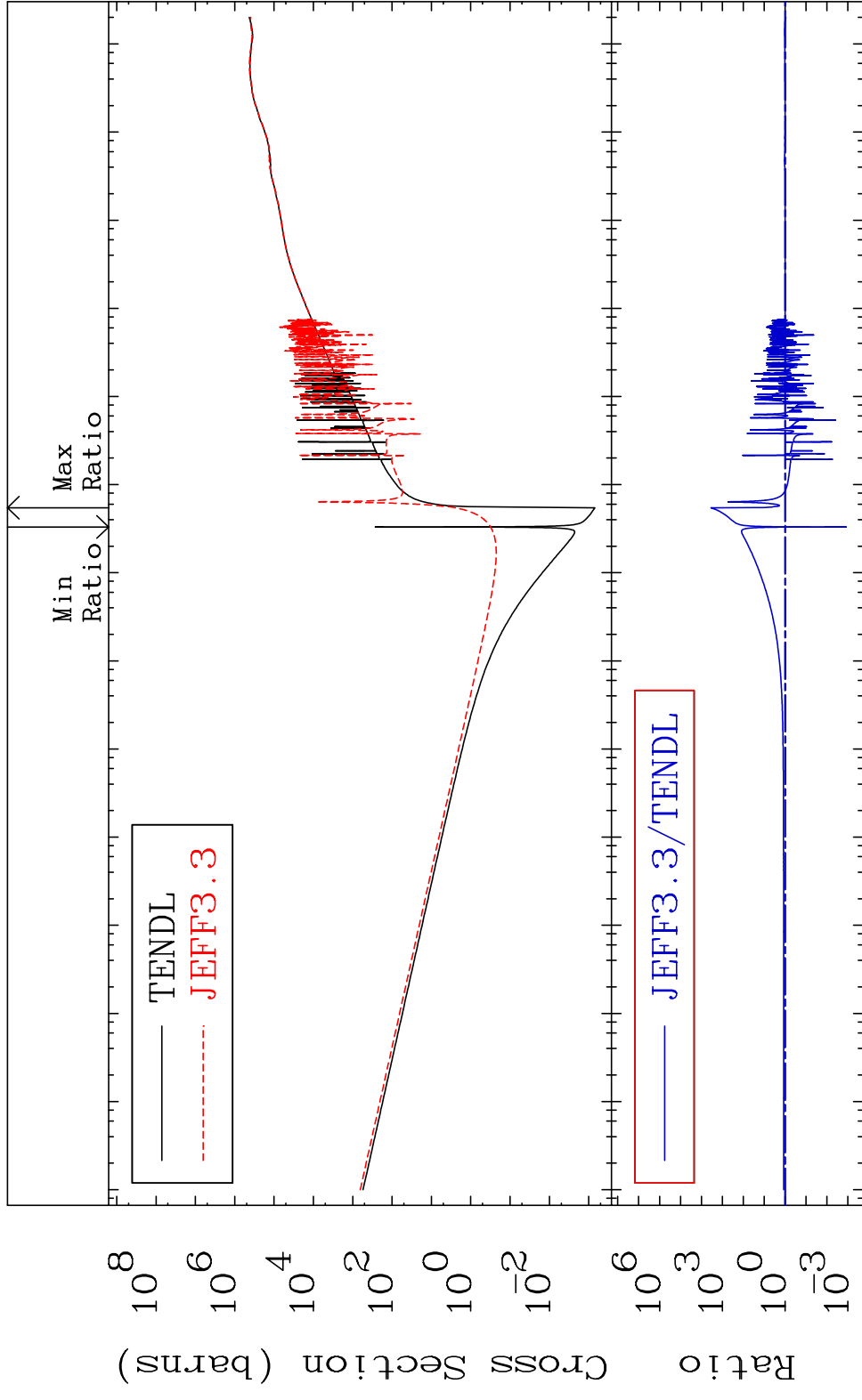


MAT 3840

Dpa total (eV-barns)

38-Sr-89

Cross Section -99.88 To 9999. %



73

Incident Energy (eV)

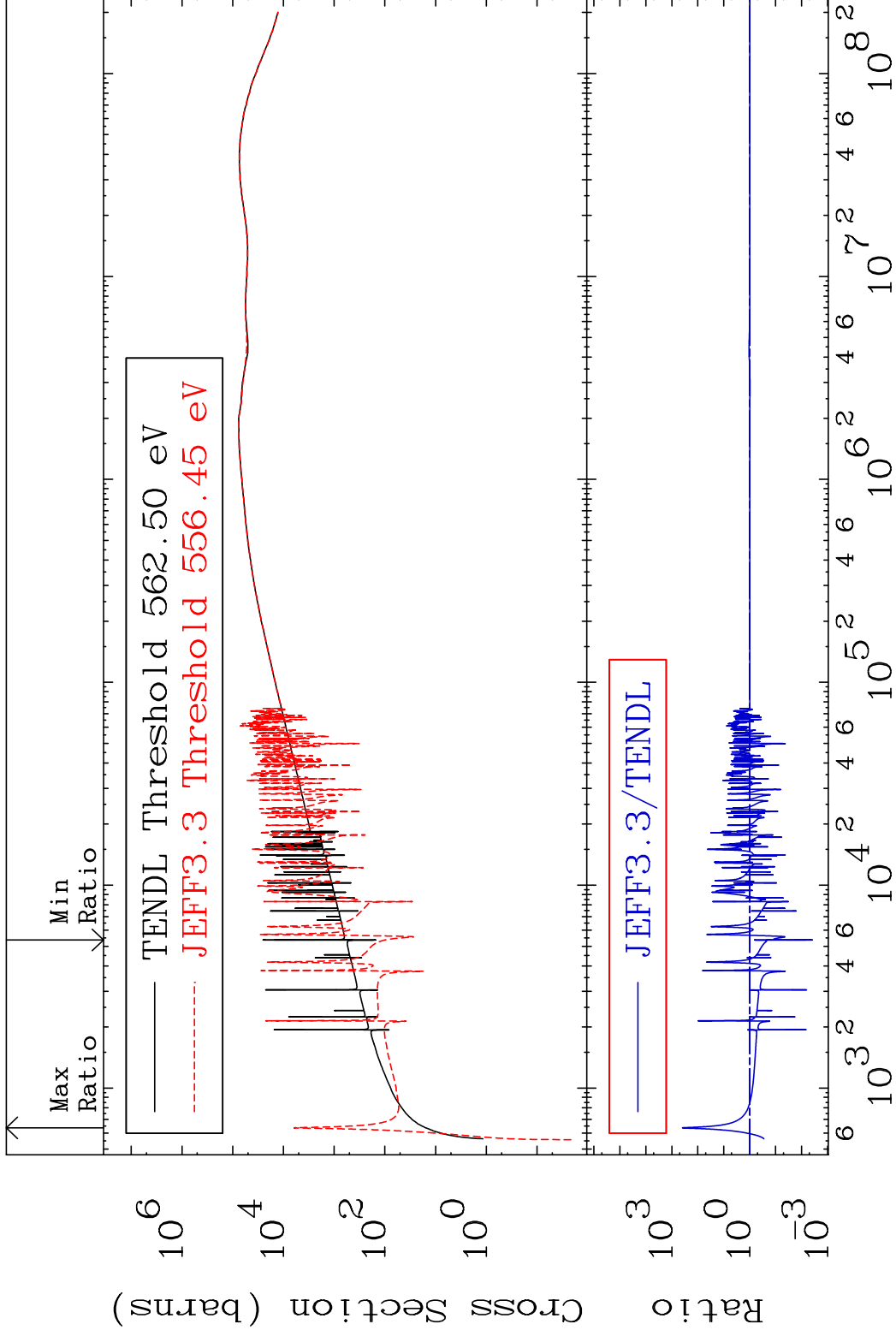
38-Sr-89

MAT 3840

Dpa elastic (mt2)

38-Sr-89

Cross Section -99.62 To 9999. %



74

Incident Energy (eV)

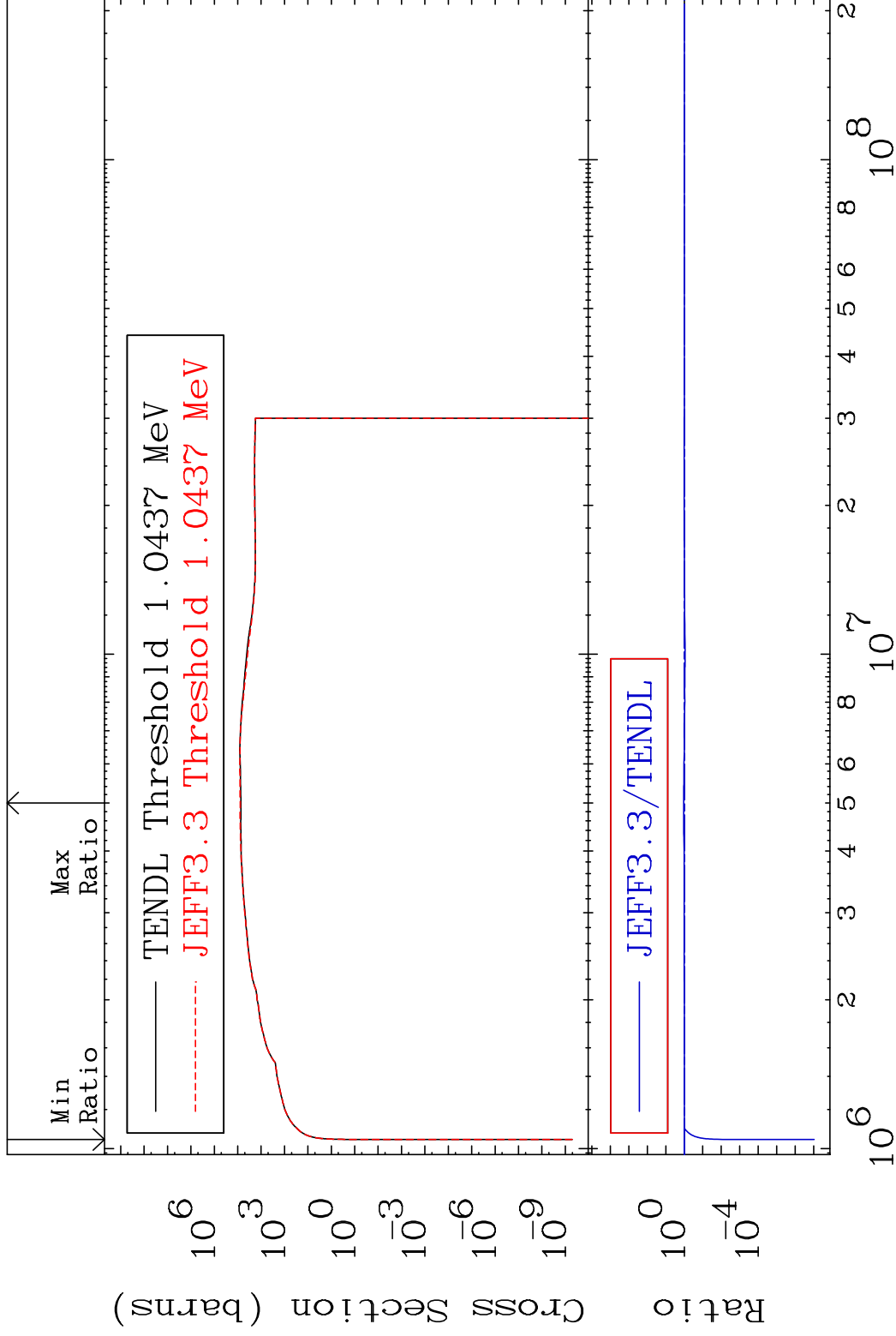
38-Sr-89

MAT 3840

Dpa inelastic (mt51-91)

38-Sr-89

Cross Section -100.0 To 7.984 %

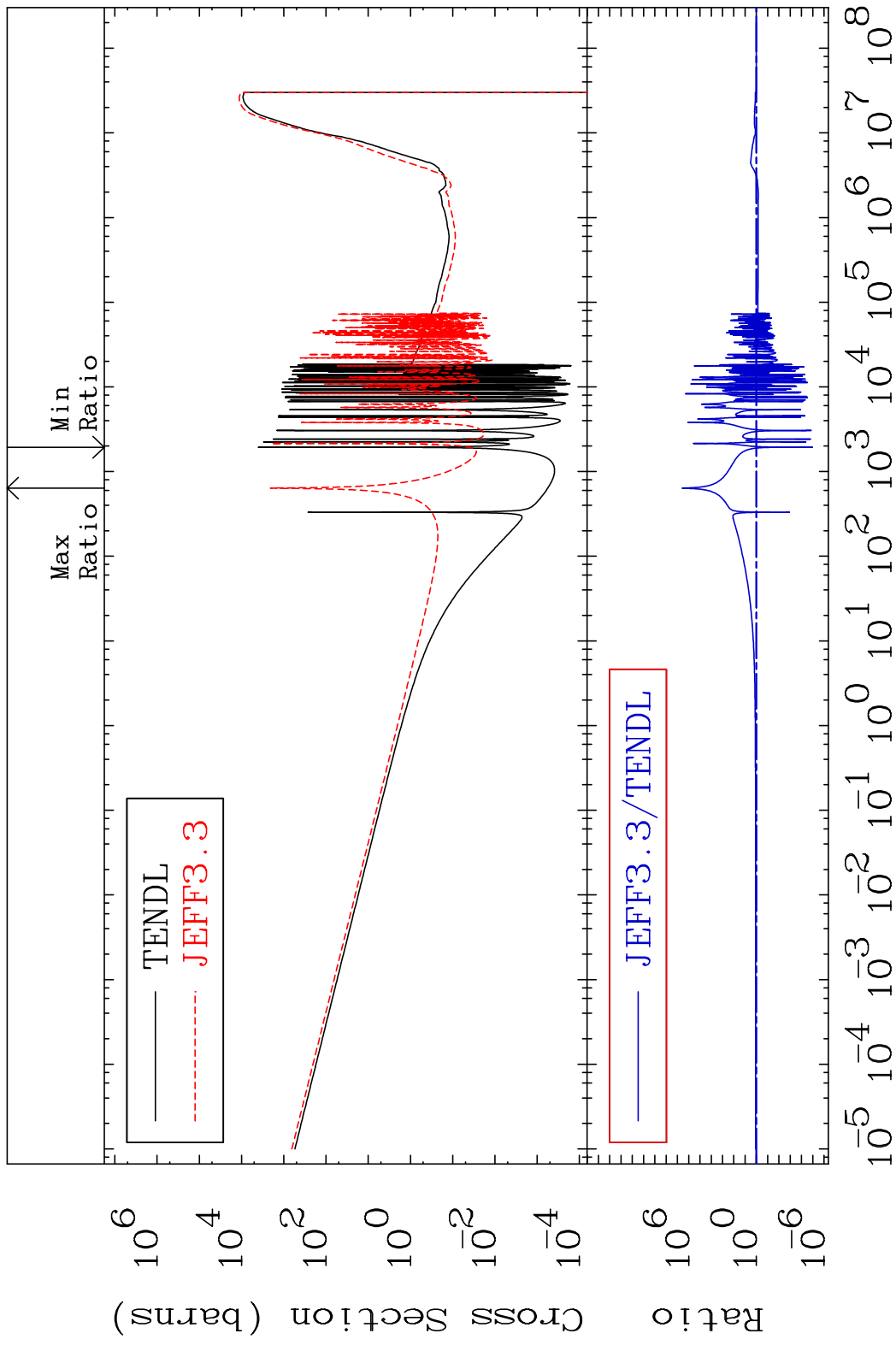


75

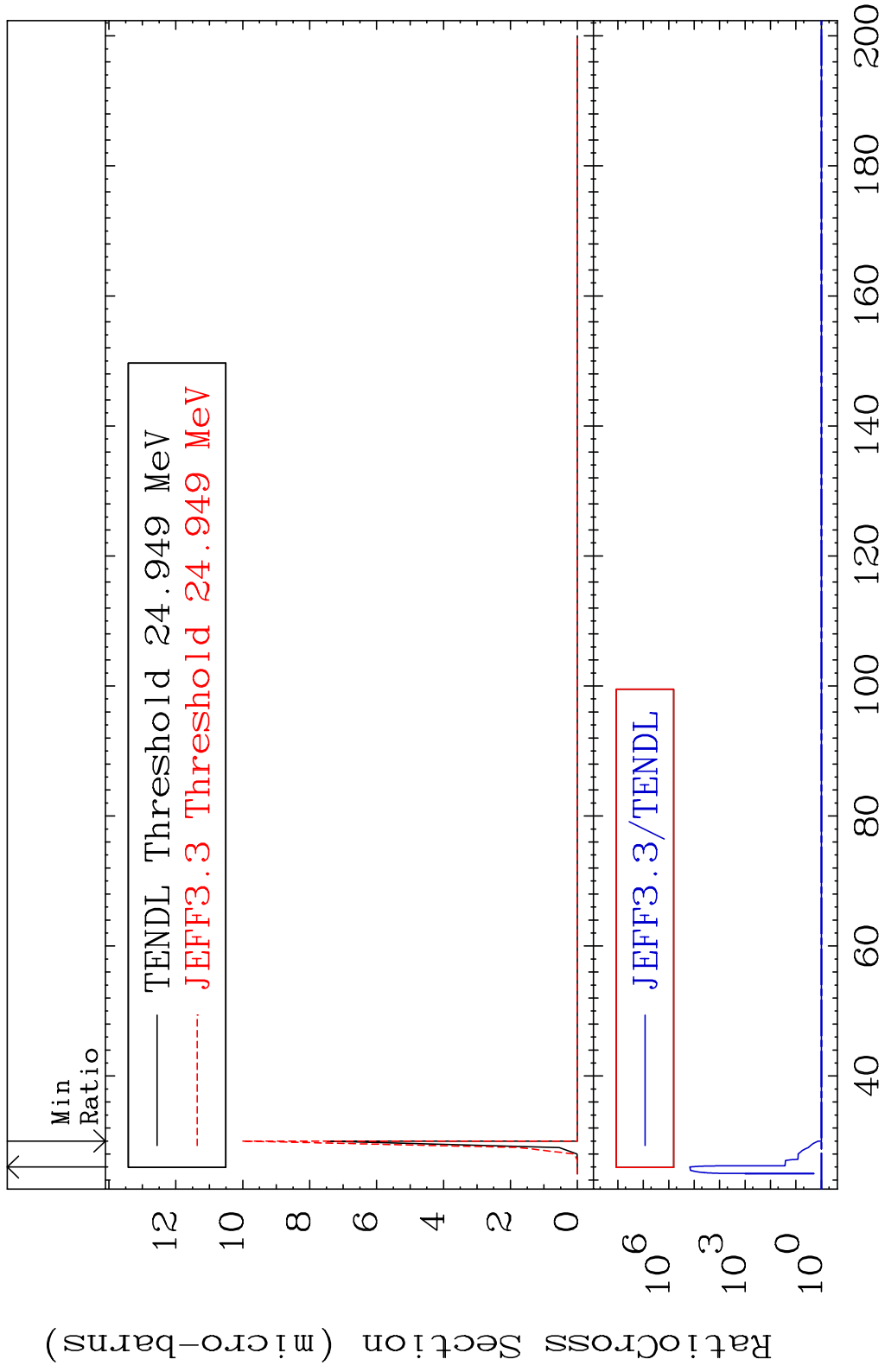
Incident Energy (eV)

38-Sr-89

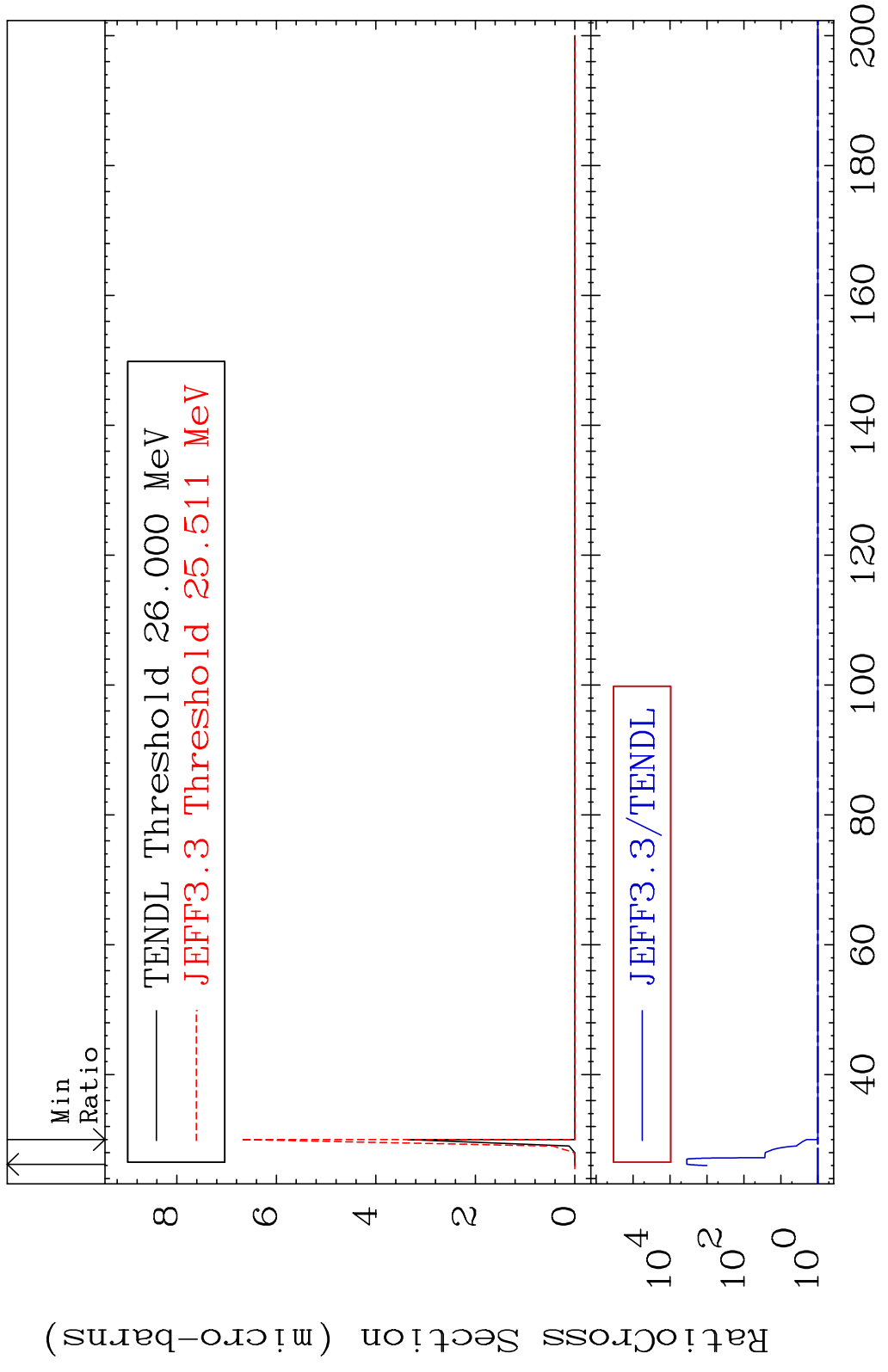
MAT 3840 Dpa disappearance (mt102 -120) 38-Sr-89
 Cross Section -100.0 To 9999. %

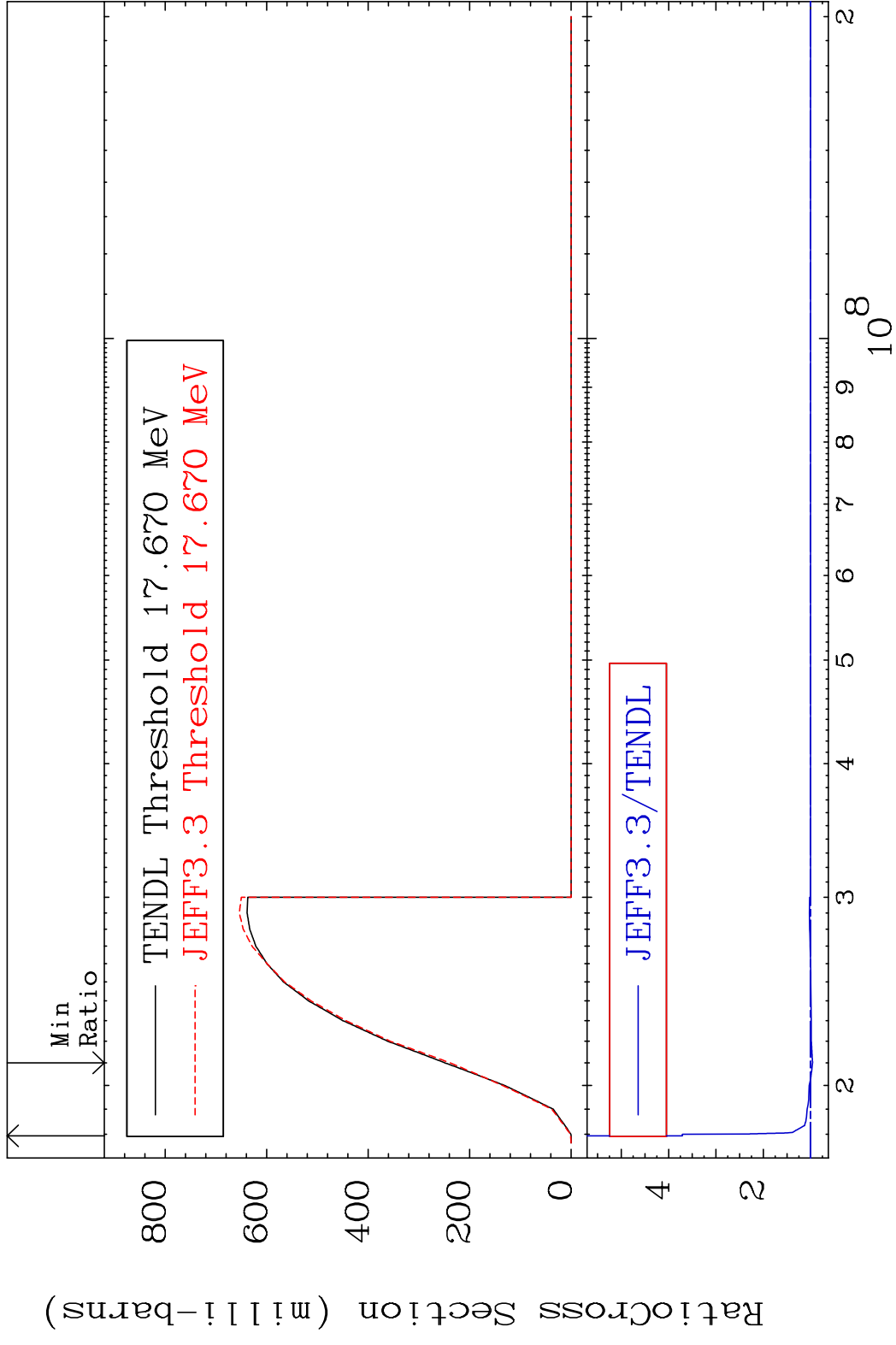


76 Incident Energy (eV) 38-Sr-89

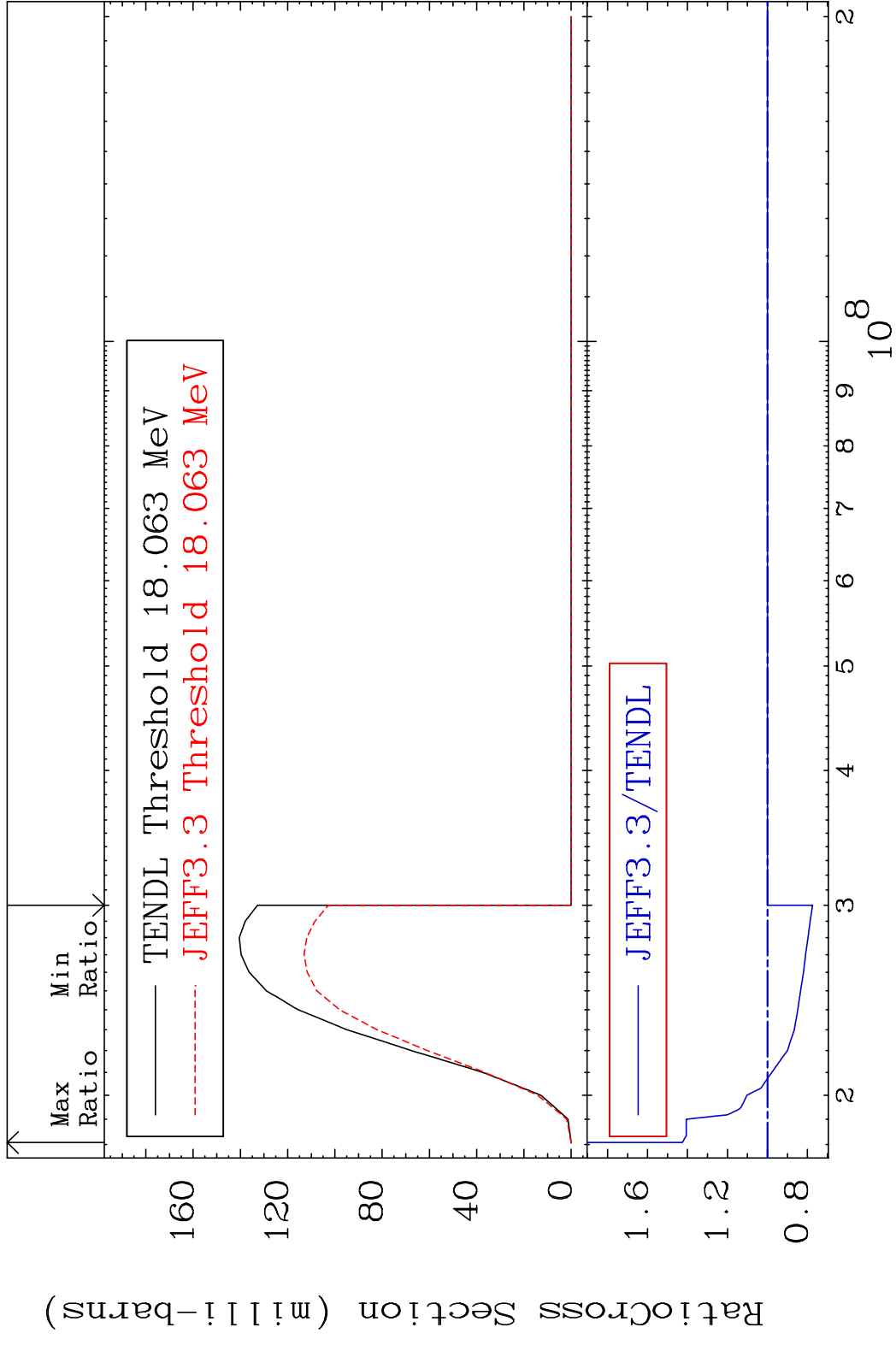


MAT 3840 (n,2n) d:37-Rb-86m2 38-Sr-89
 Radionuclide Production Cross Section 9999. %



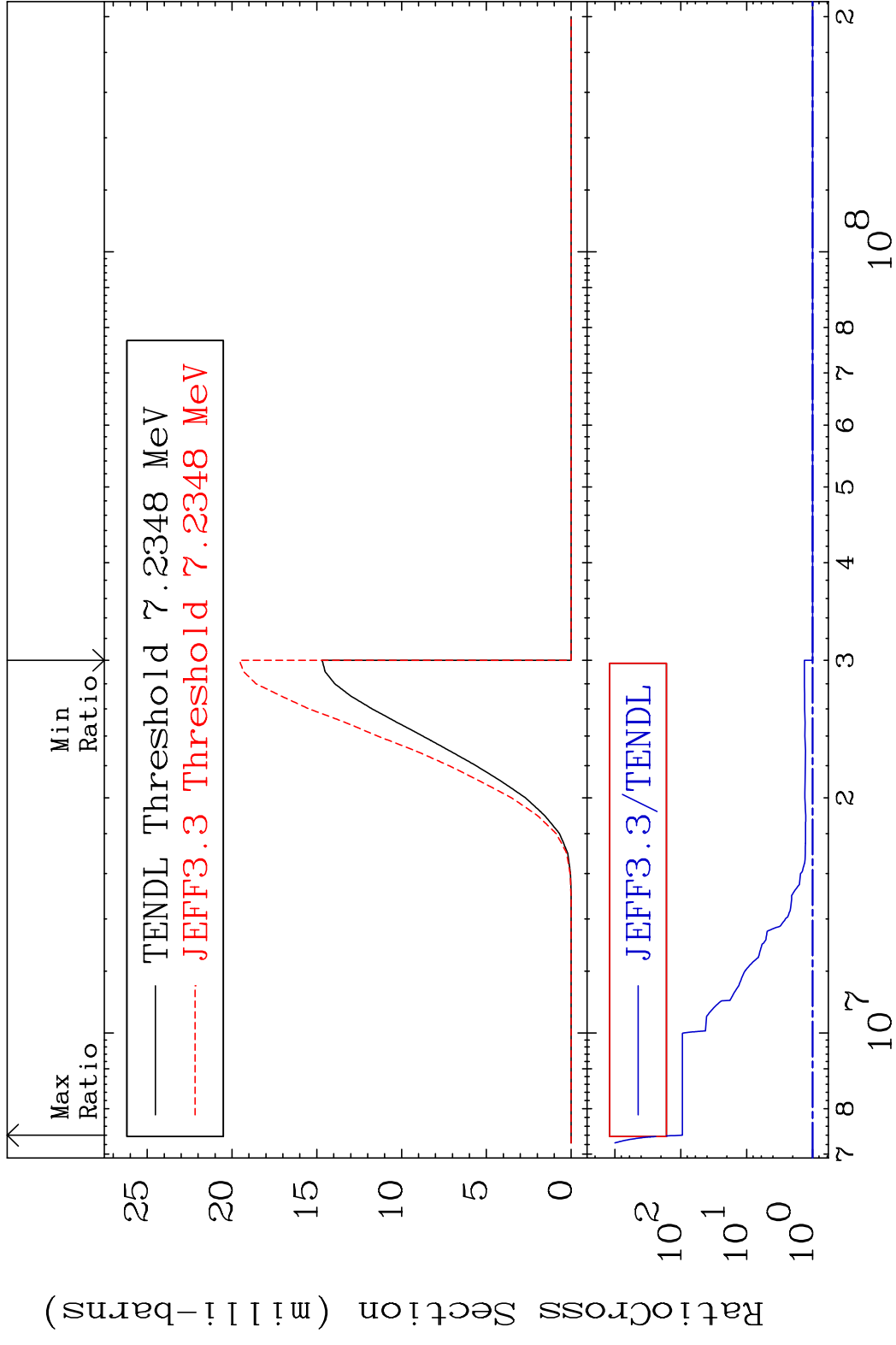


MAT 3840 (n,3n):38-Sr-87m1 38-Sr-89
 Radionuclide Production Cross Section 22.56 d10 42.58 %

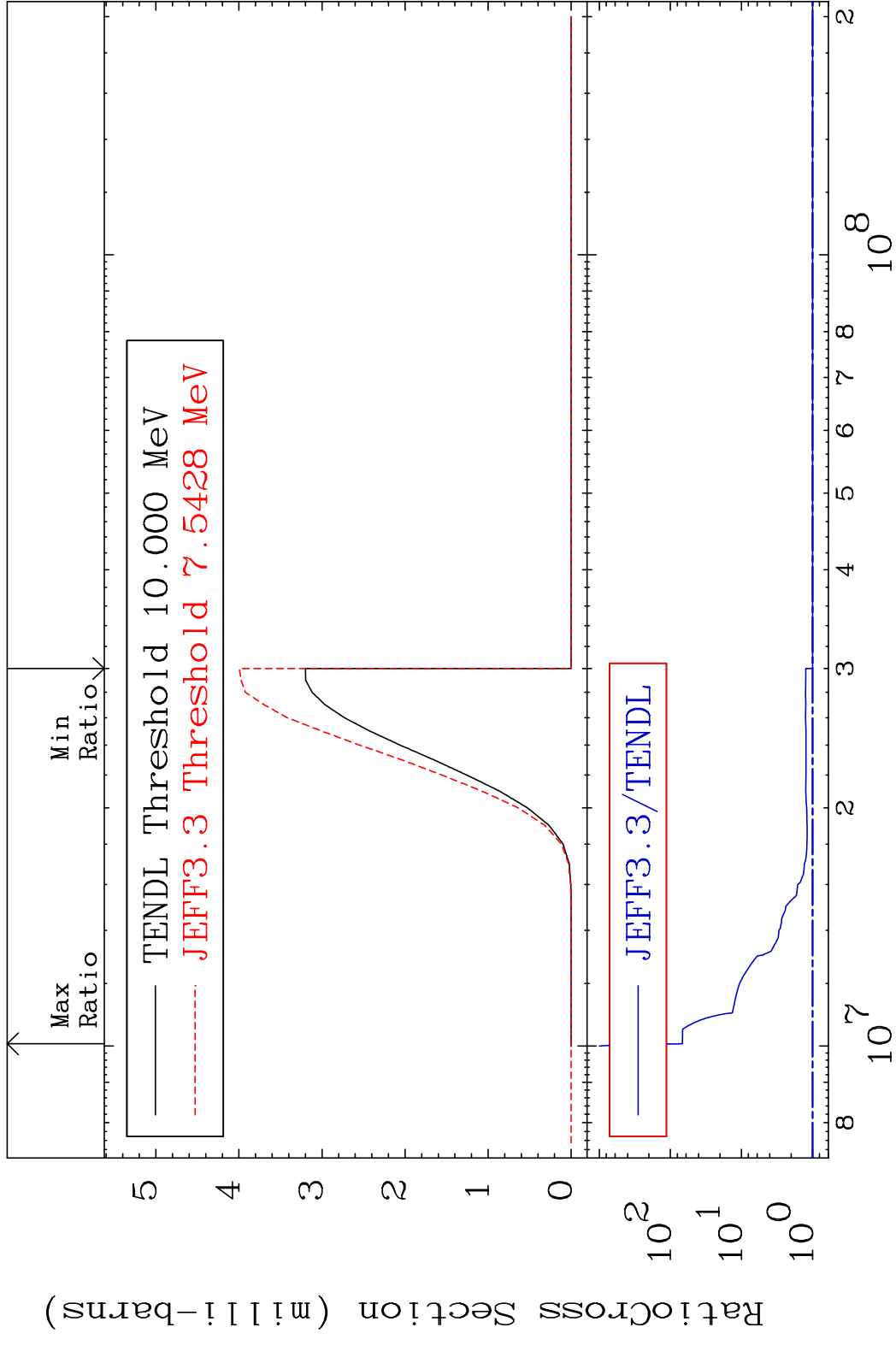


80 Incident Energy (eV) 38-Sr-89

MAT 3840 (n, n') α :36-Kr-85g 38-Sr-89
 Radionuclide Production Cross Section 9366. %



MAT 3840 (n, n') α :36-Kr-85m1 38-Sr-89
 Radionuclide Production Cross Section 6685. %



MAT 3840 (n, n') t:37-Rb-86g 38-Sr-89
 Radionuclide Production Cross Section 800.3 %

