

Program Complot
(Version 2021-1)

by

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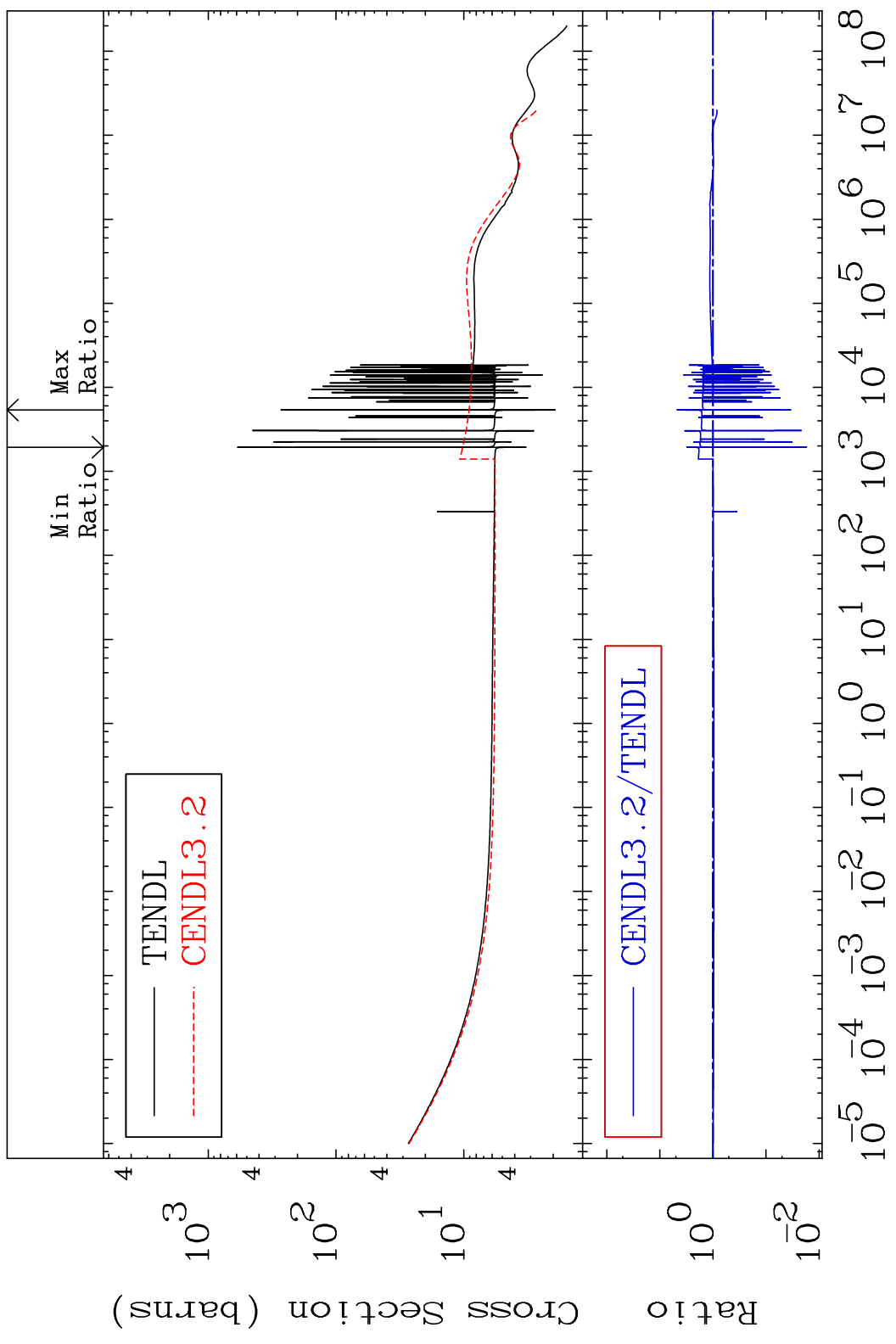
Press Mouse Button to Start

MAT 3840

Total

38-Sr-89

Cross Section -98.27 To 370.6 %



Min Ratio

Max Ratio

TENDL
CENDL3.2

CENDL3.2/TENDL

1

Incident Energy (eV)

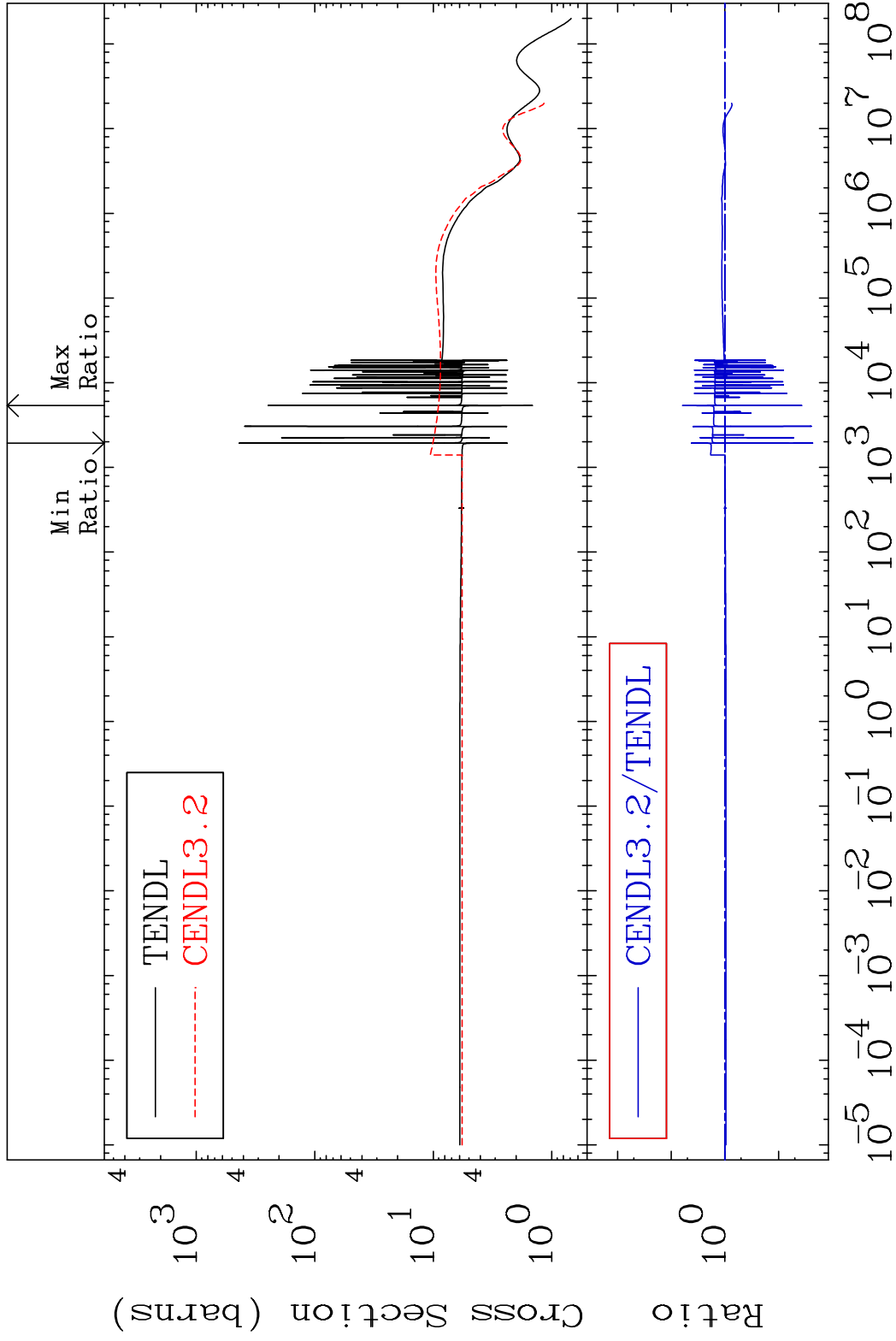
38-Sr-89

MAT 3840

Elastic

38-Sr-89

Cross Section -97.67 To 521.3 %



2

Incident Energy (eV)

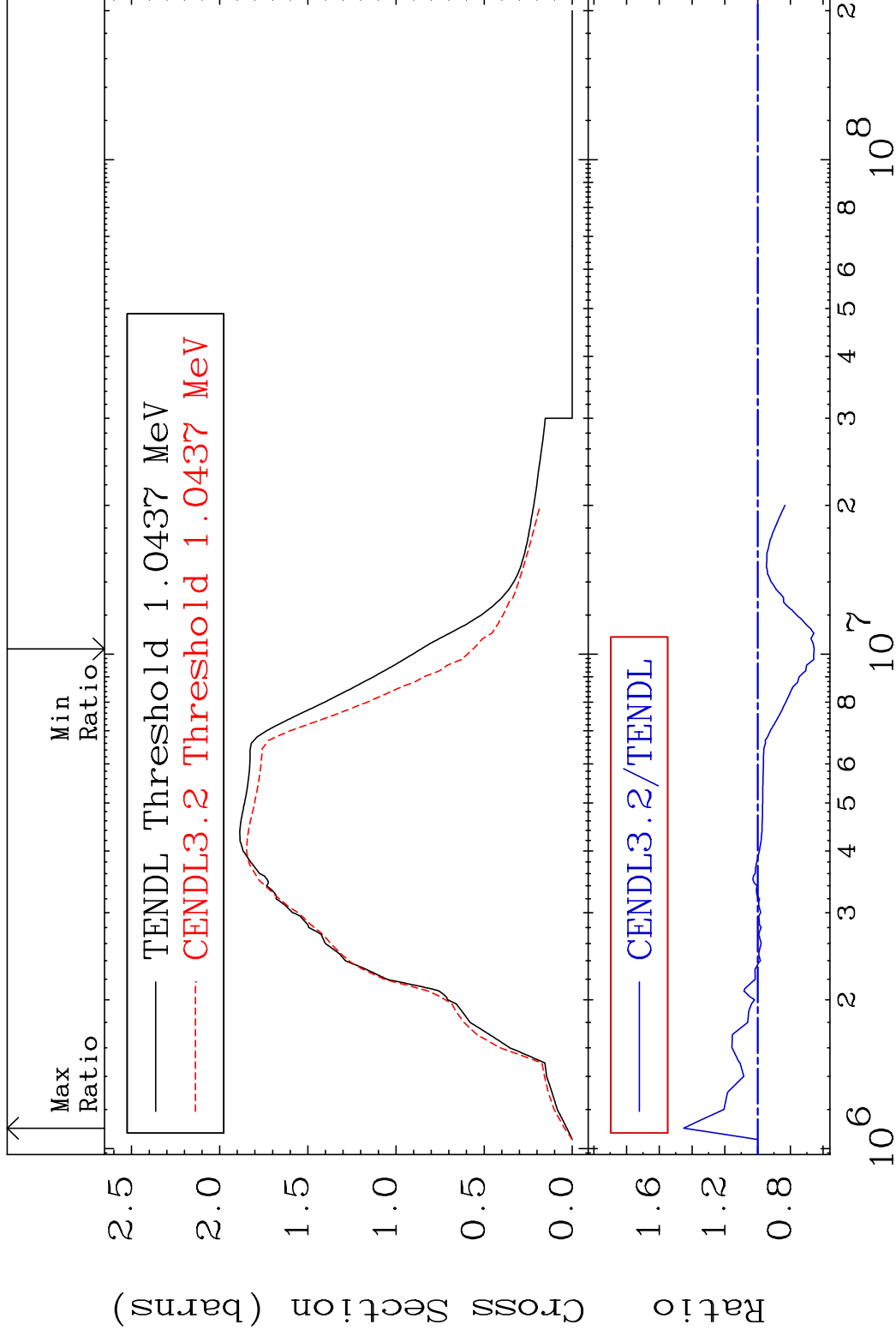
38-Sr-89

MAT 3840

Inelastic

38-Sr-89

Cross Section -34.47 To 45.16 %



3

Incident Energy (eV)

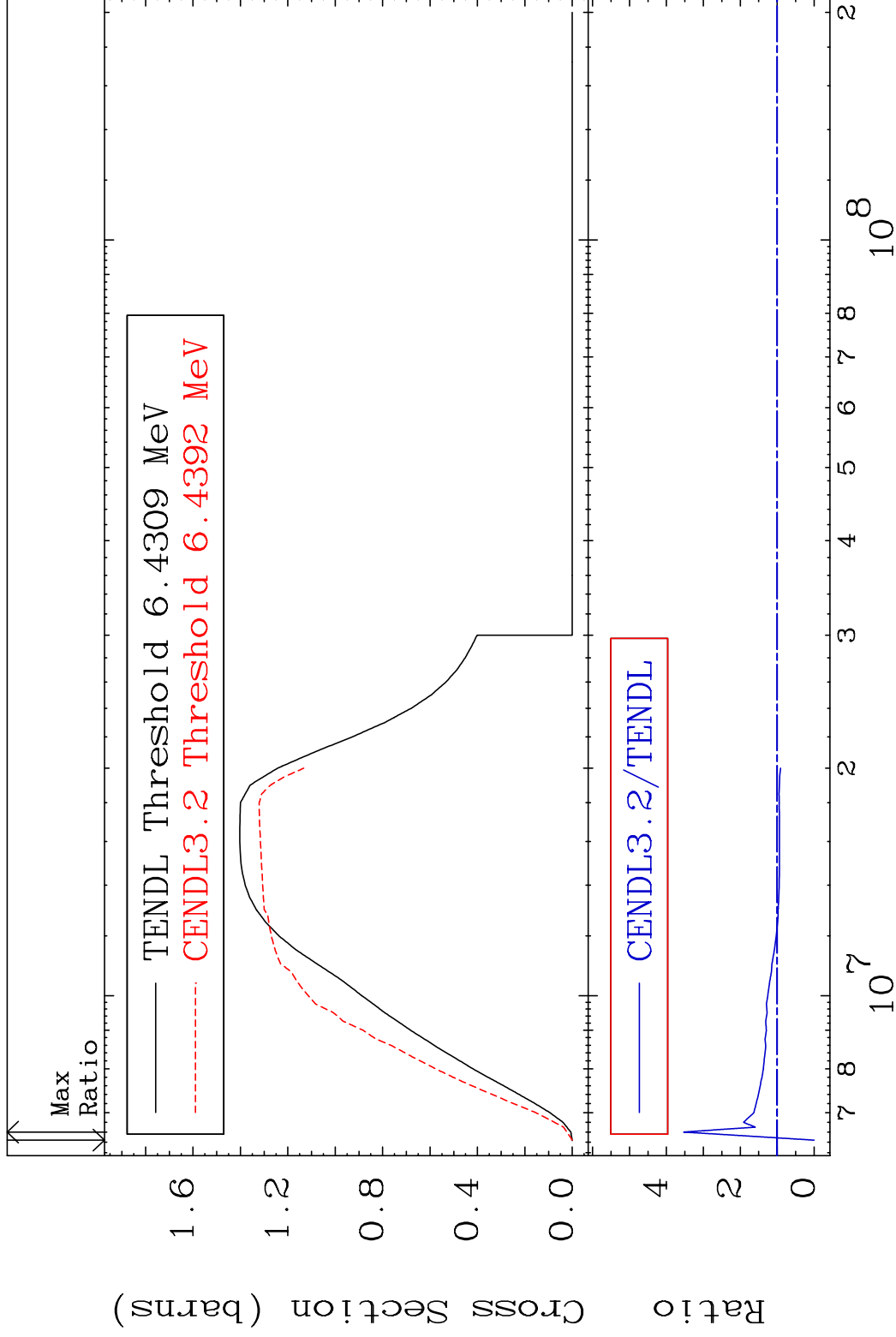
38-Sr-89

MAT 3840

(n,2n)

38-Sr-89

Cross Section -100.0 To 253.4 %



4

Incident Energy (eV)

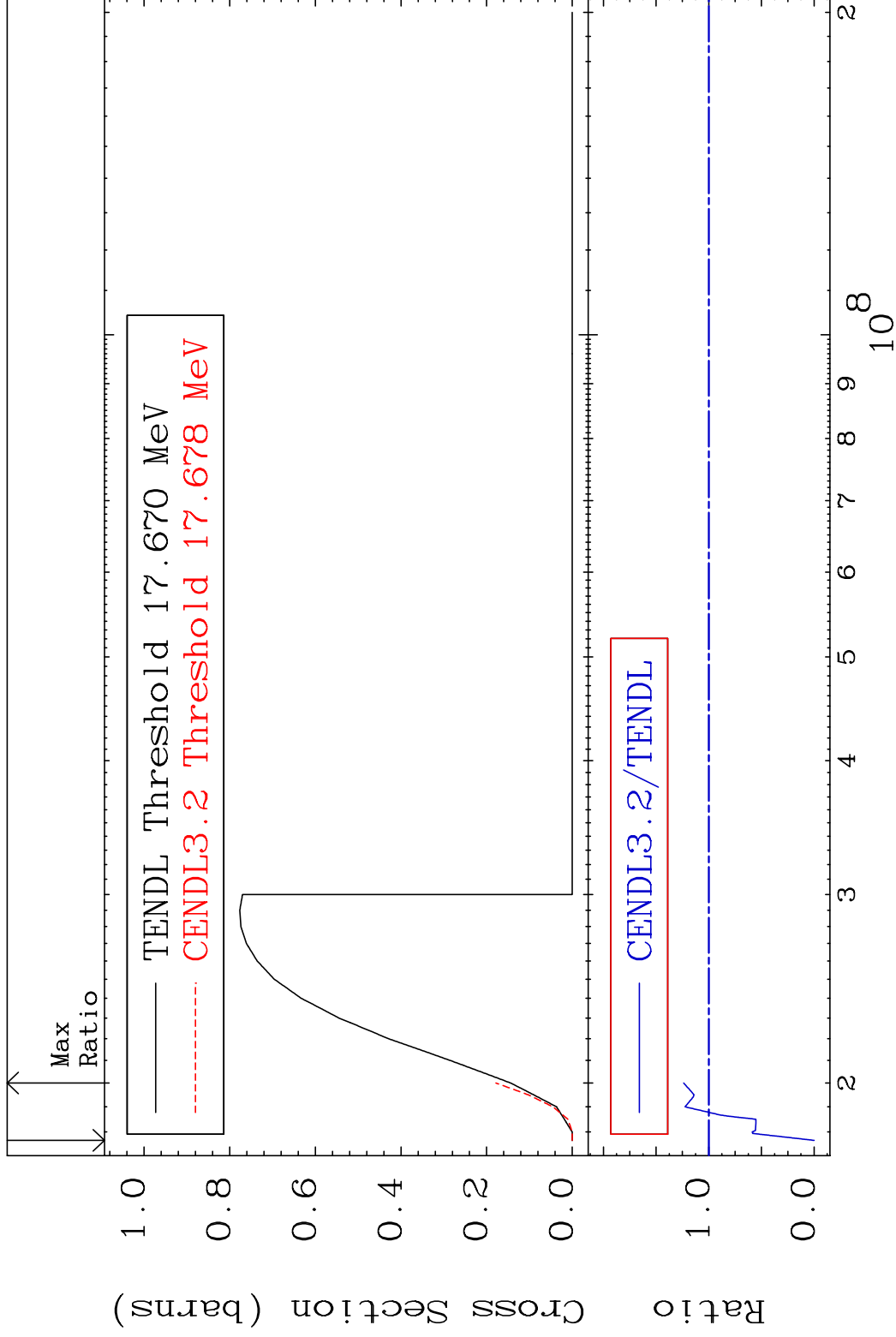
38-Sr-89

MAT 3840

(n,3n)

38-Sr-89

Cross Section -100.0 To 23.83 %



5

Incident Energy (eV)

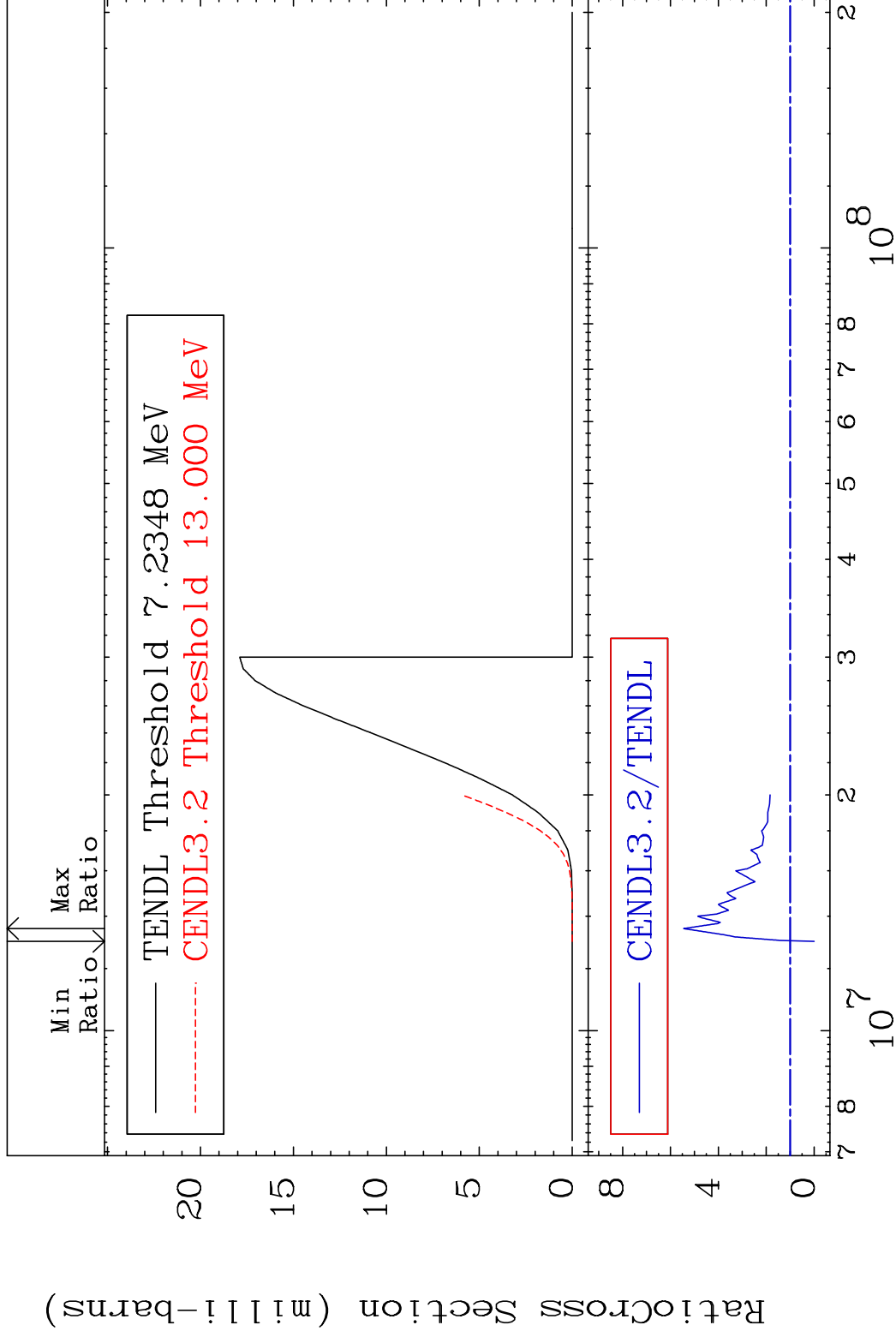
38-Sr-89

MAT 3840

38-Sr-89

(n, n') α

Cross Section -100.0 To 444.9 %



6

Incident Energy (eV)

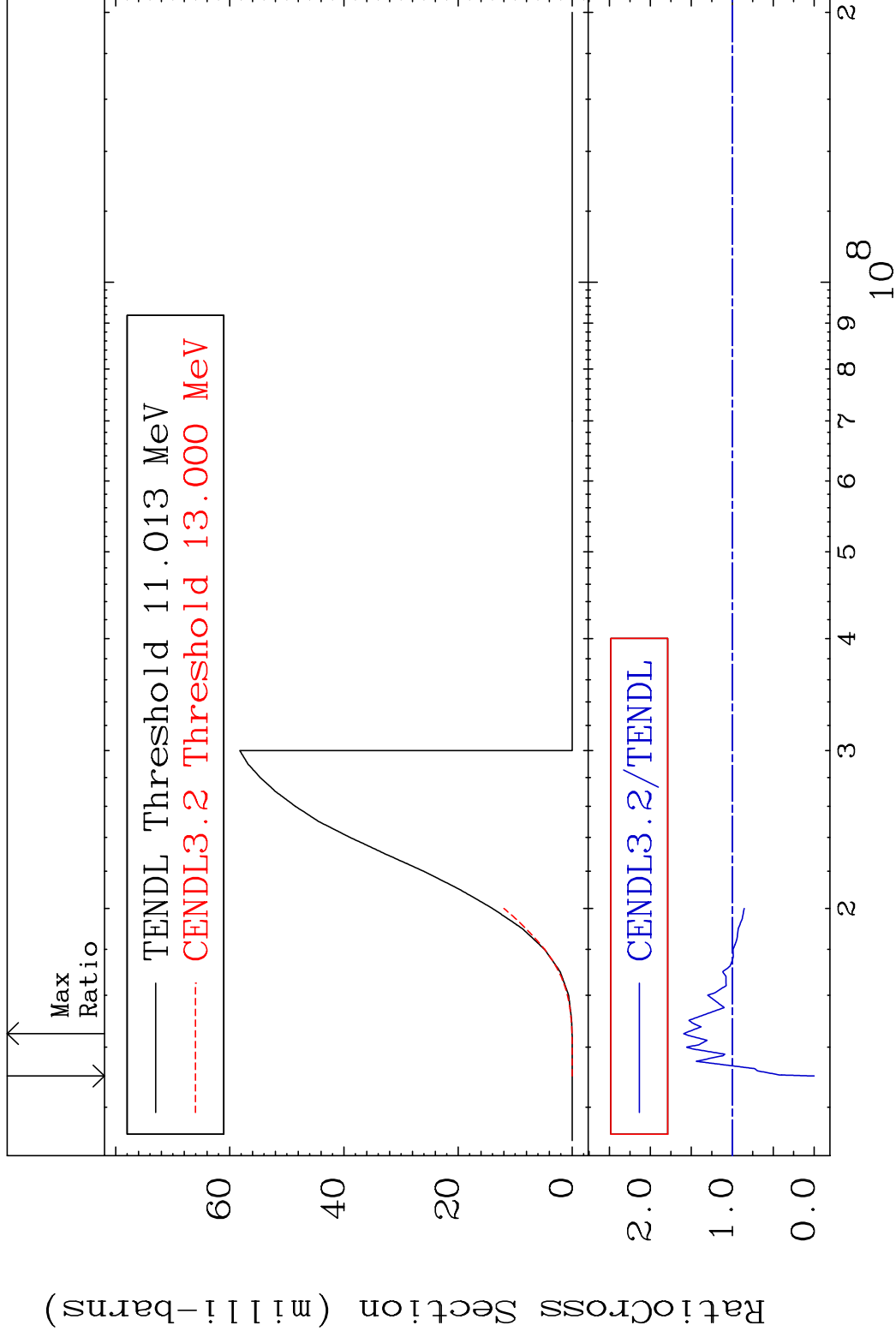
38-Sr-89

MAT 3840

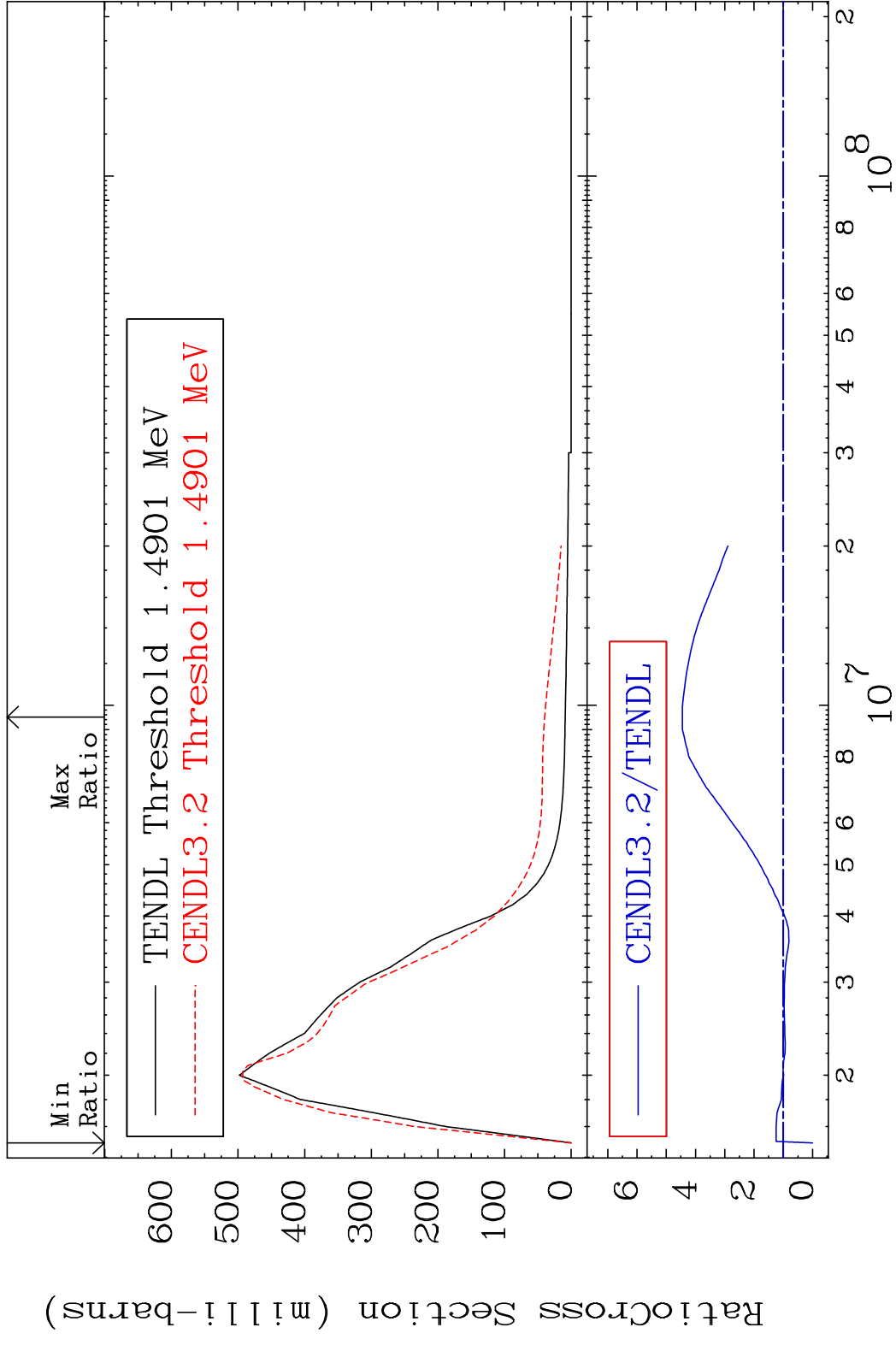
(n, n') p

38-Sr-89

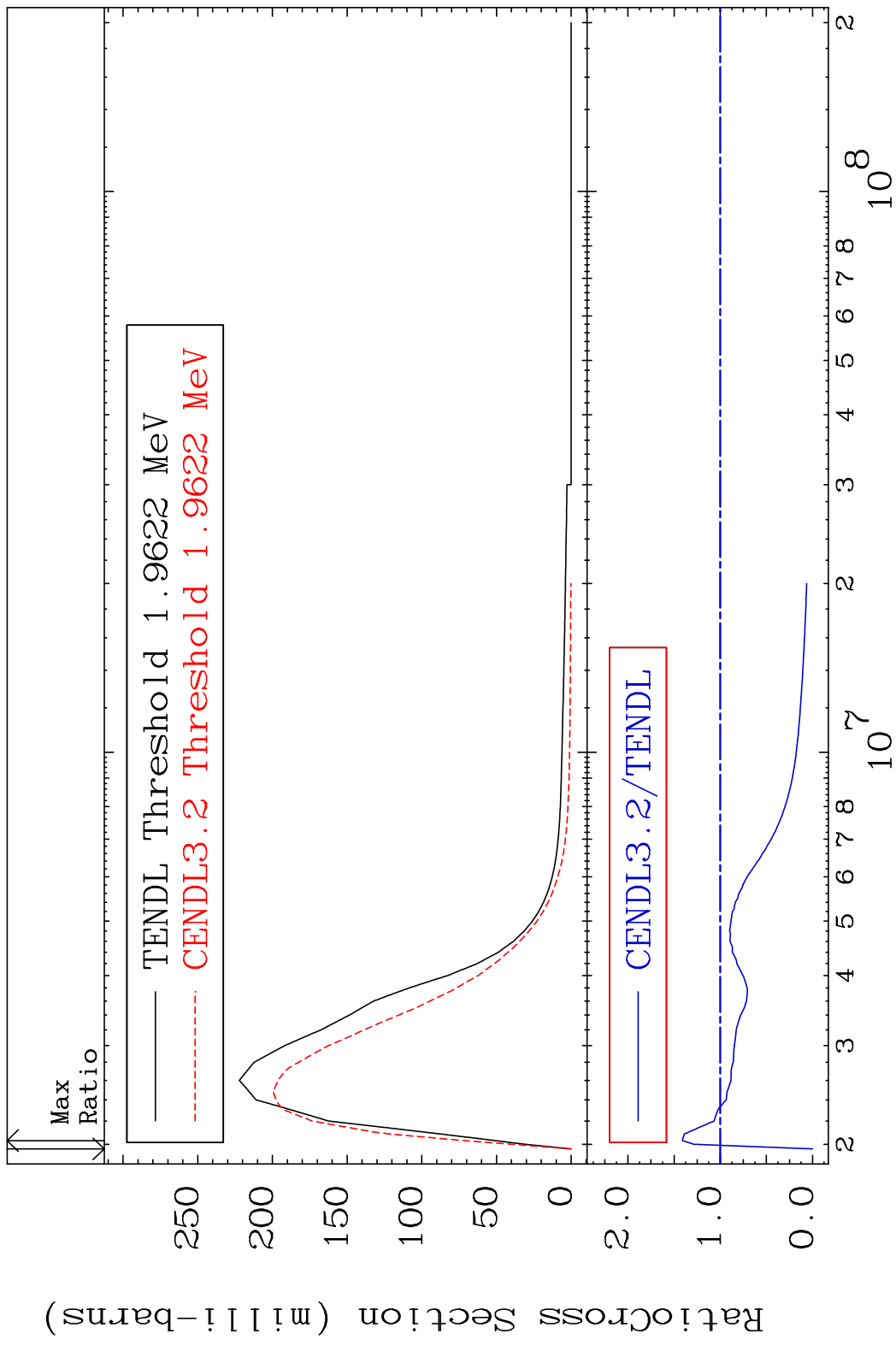
Cross Section -100.0 To 59.38 %



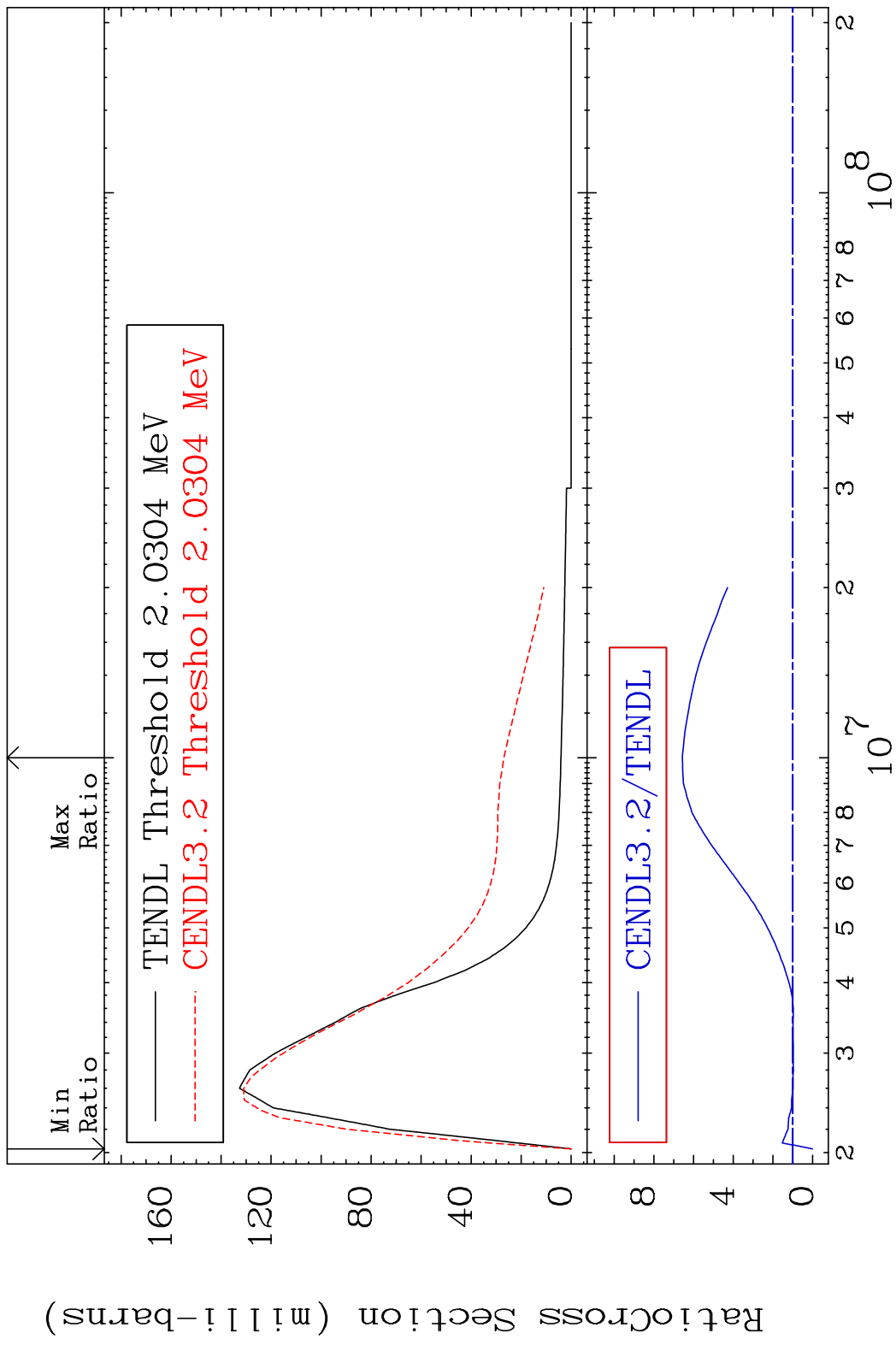
MAT 3840 MT= 52 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 345.0 %



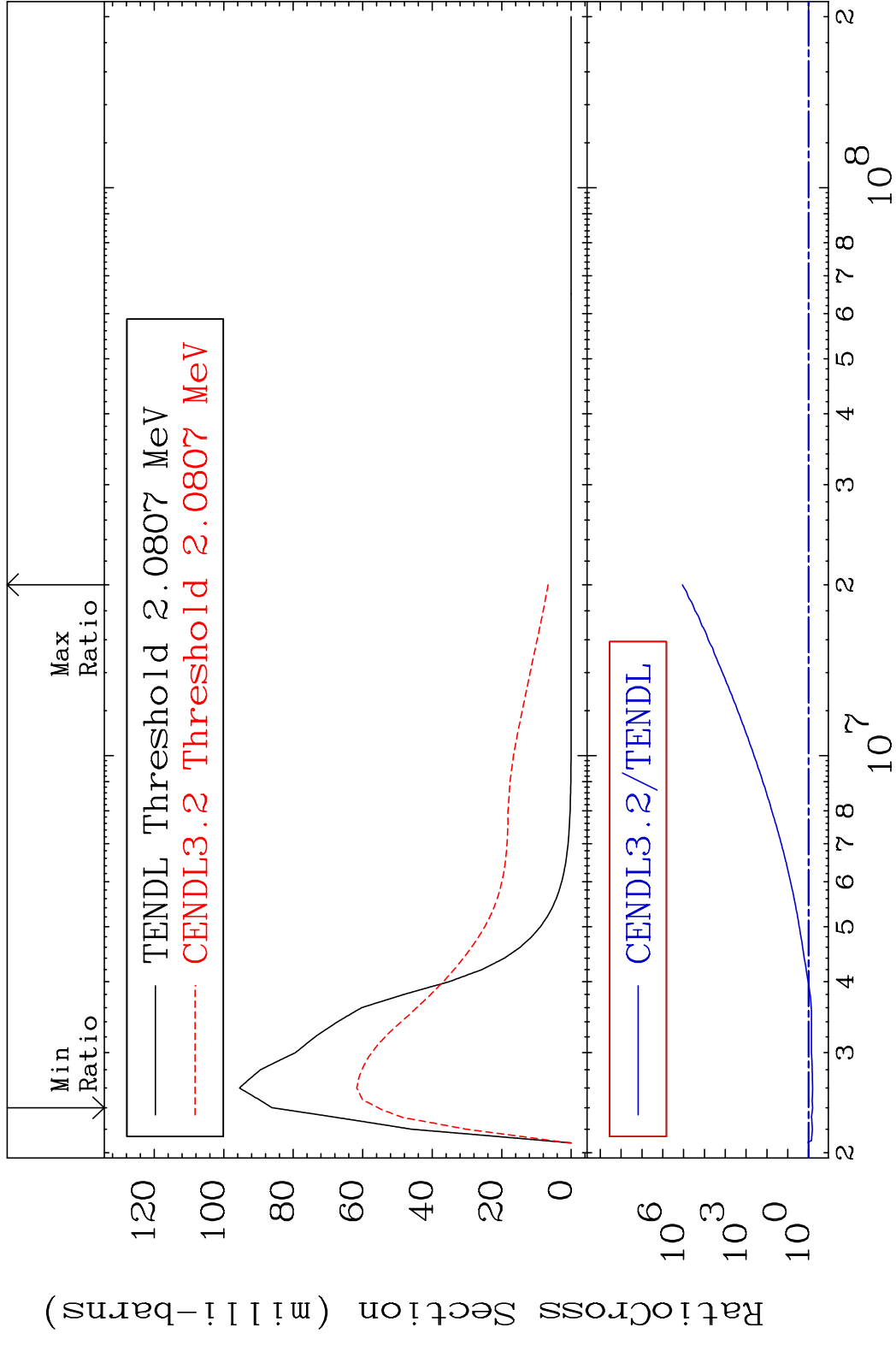
MAT 3840 MT= 53 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 41.04 %



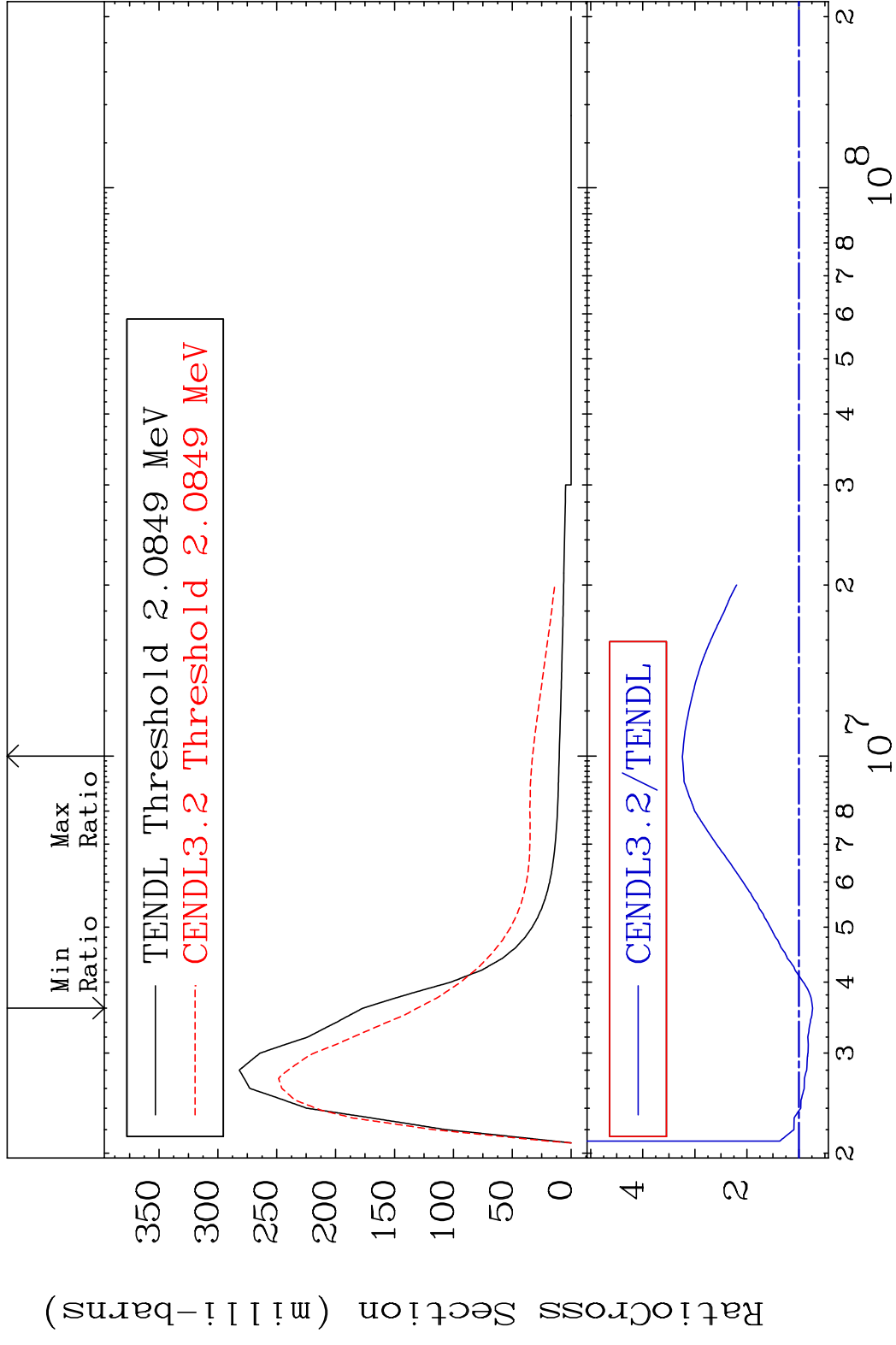
MAT 3840 MT= 54 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 556.4 %



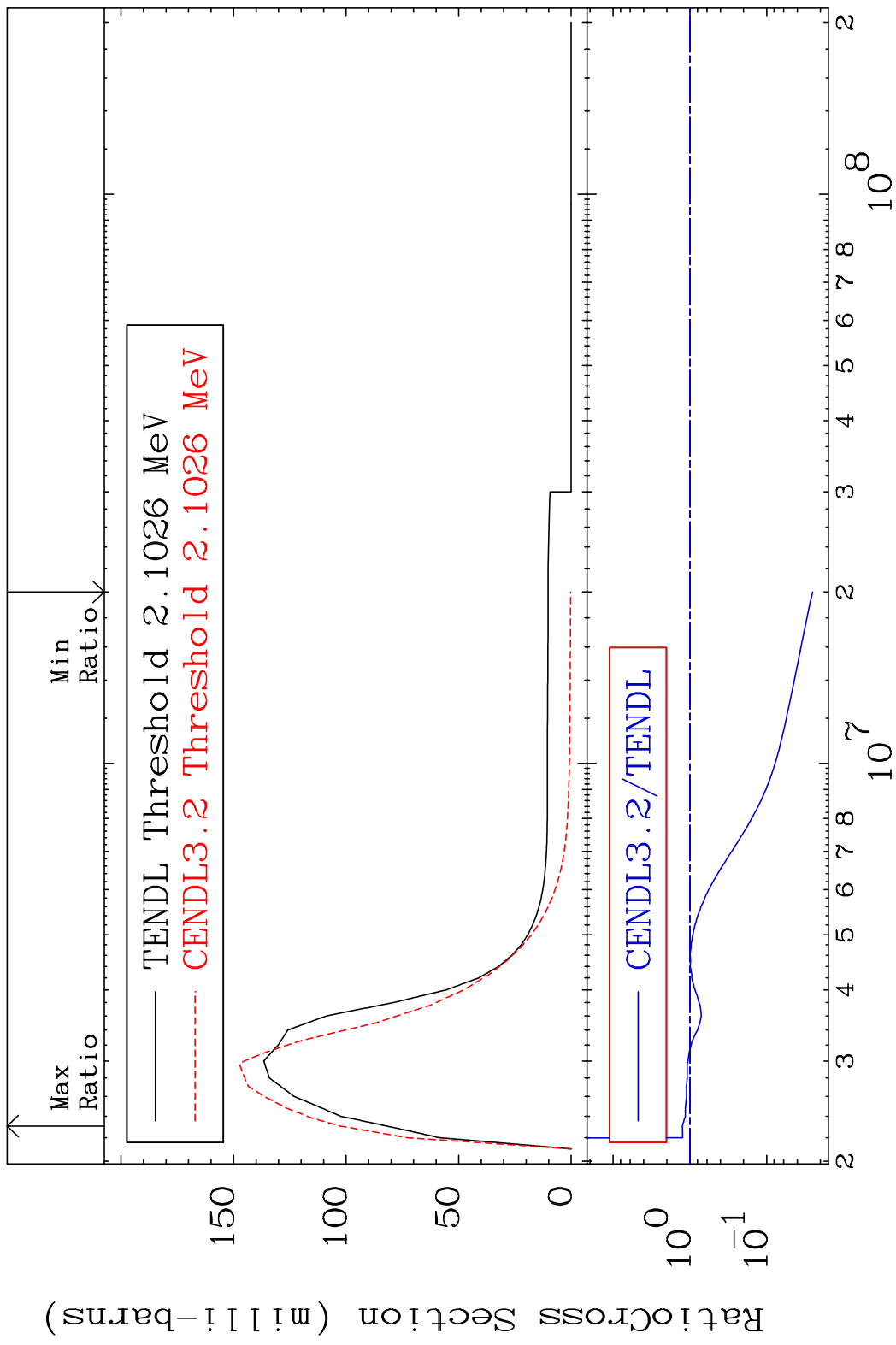
MAT 3840 MT= 55 (n, n') Level 38-Sr-89
 Cross Section -35.43 To 9999. %



MAT 3840 MT= 56 (n,n') Level 38-Sr-89
 Cross Section -26.11 To 224.0 %

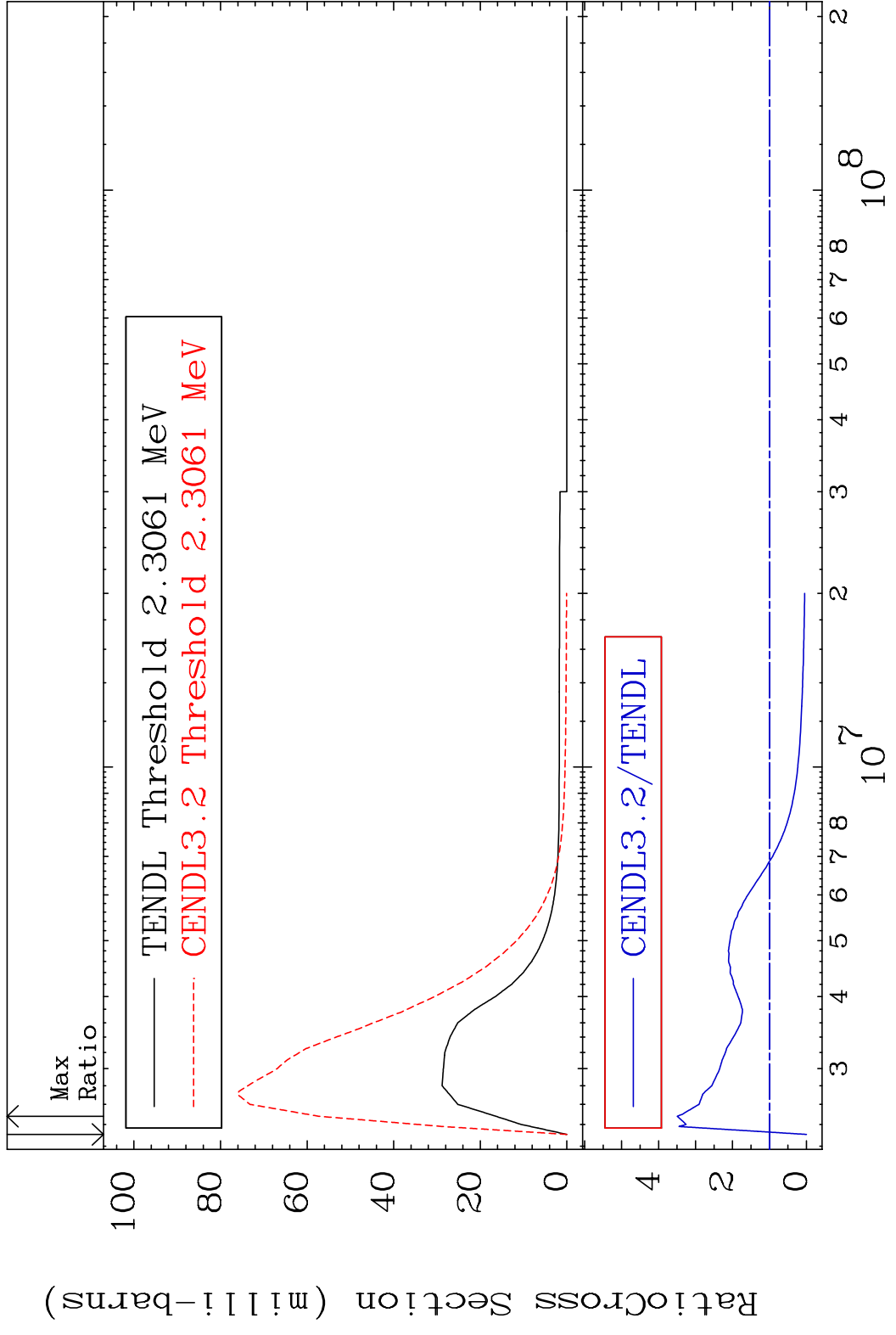


MAT 3840 MT= 57 (n, n') Level 38-Sr-89
 Cross Section -97.47 To 25.36 %

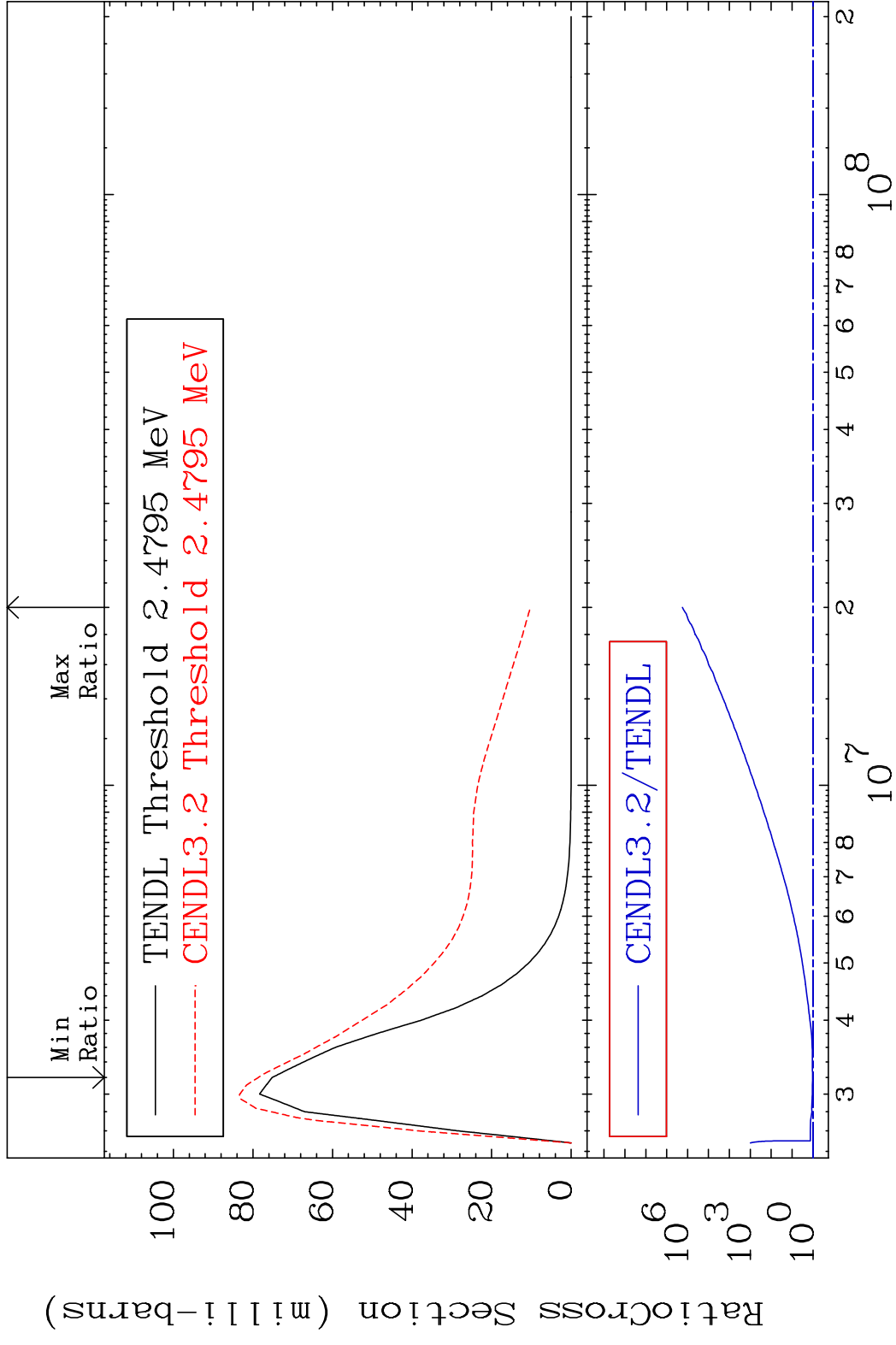


14 Incident Energy (eV) 38-Sr-89

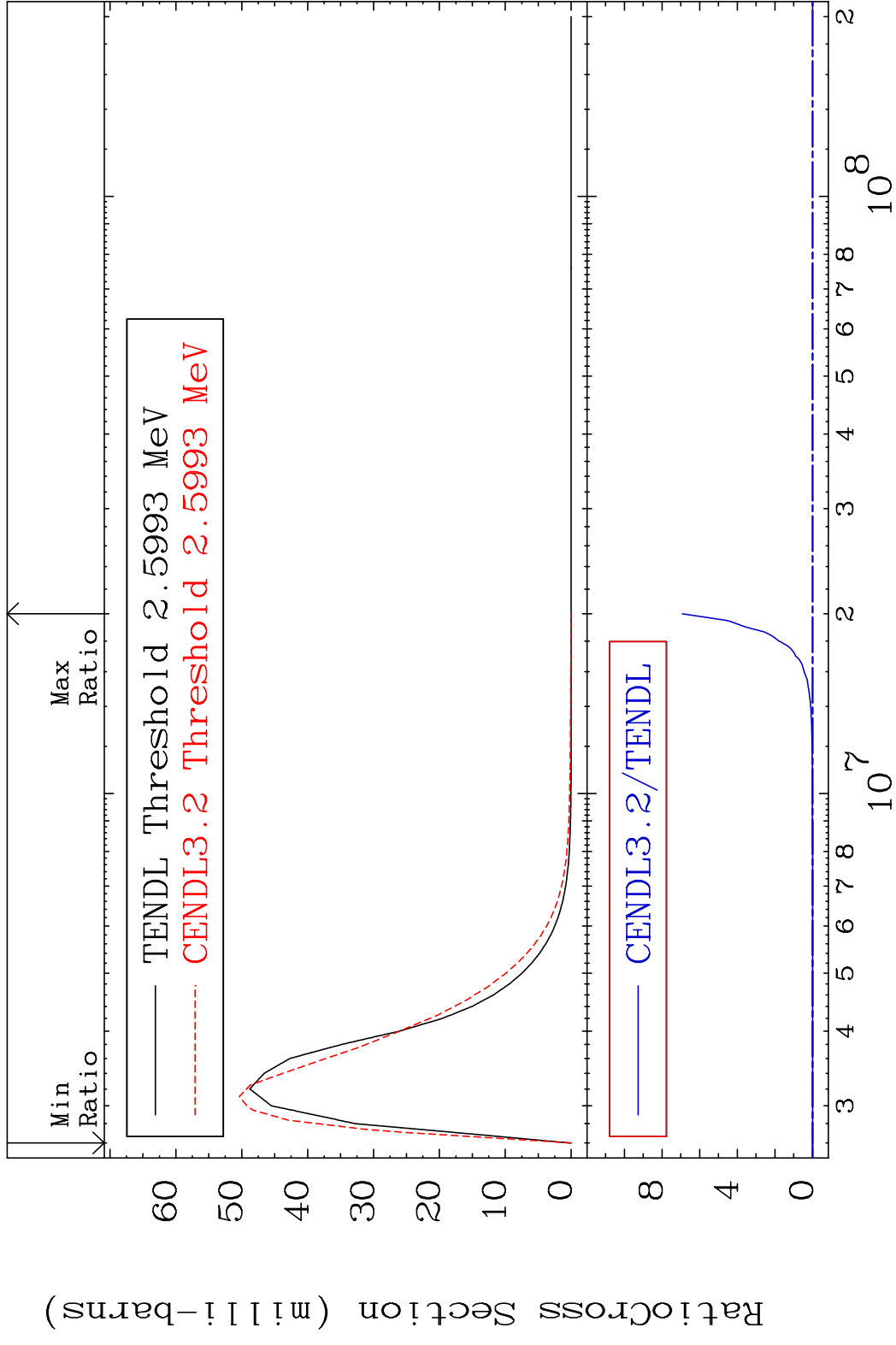
MAT 3840 MT= 58 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 249.7 %



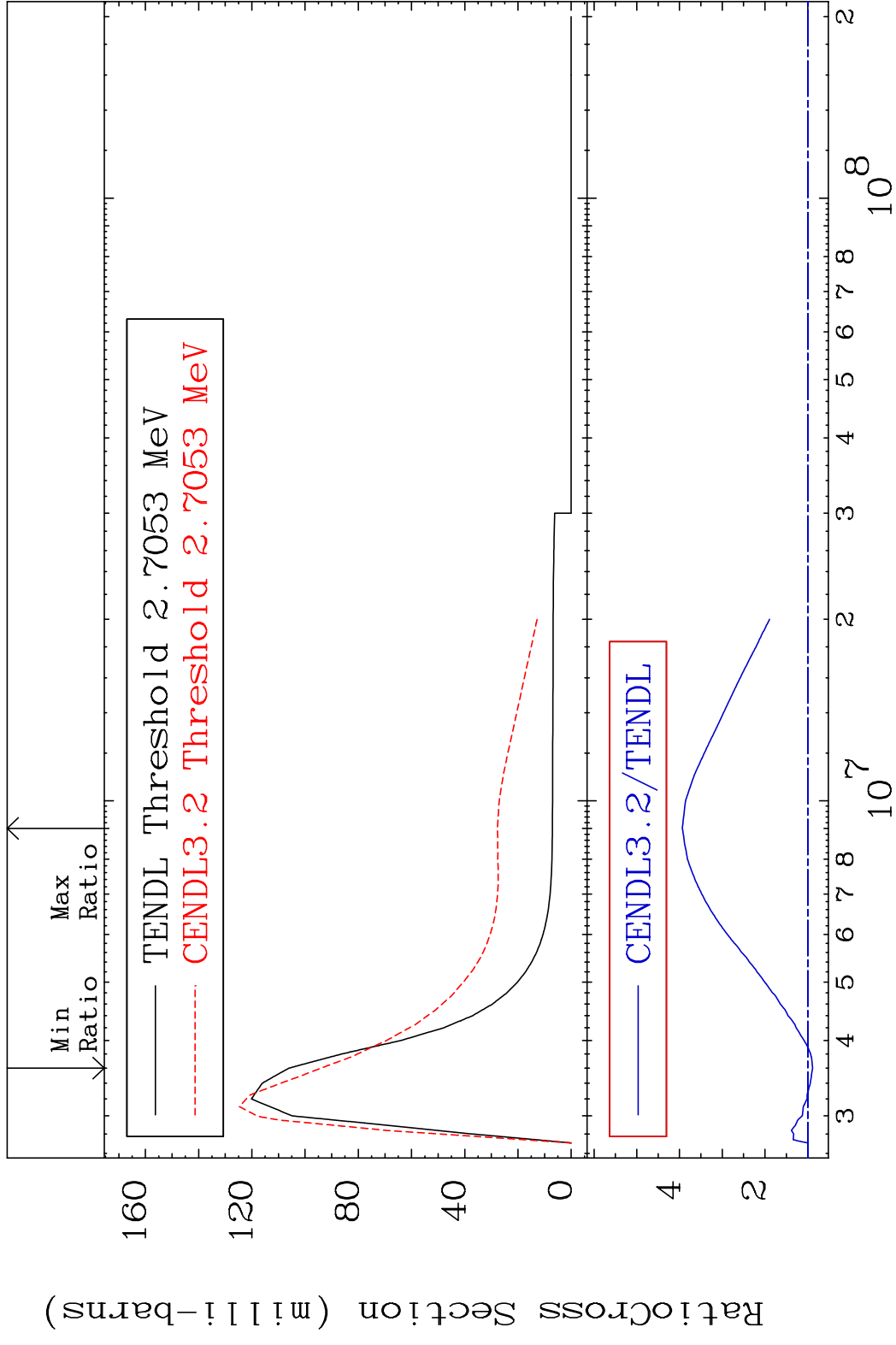
MAT 3840 MT= 59 (n, n') Level 38-Sr-89
 Cross Section 4.650 To 9999. %



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

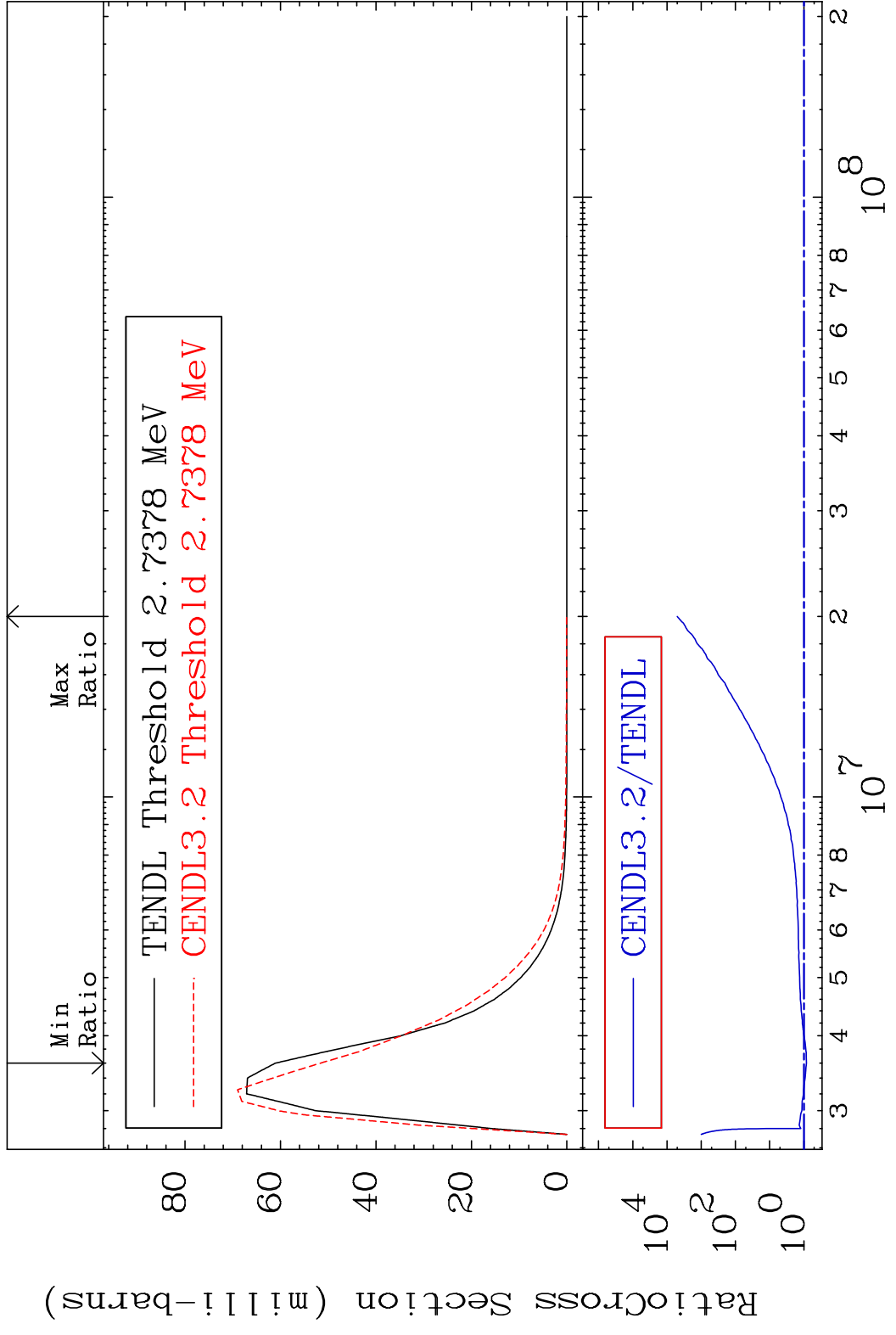


MAT 3840 MT= 61 (n, n') Level 38-Sr-89
 Cross Section -11.34 To 293.3 %

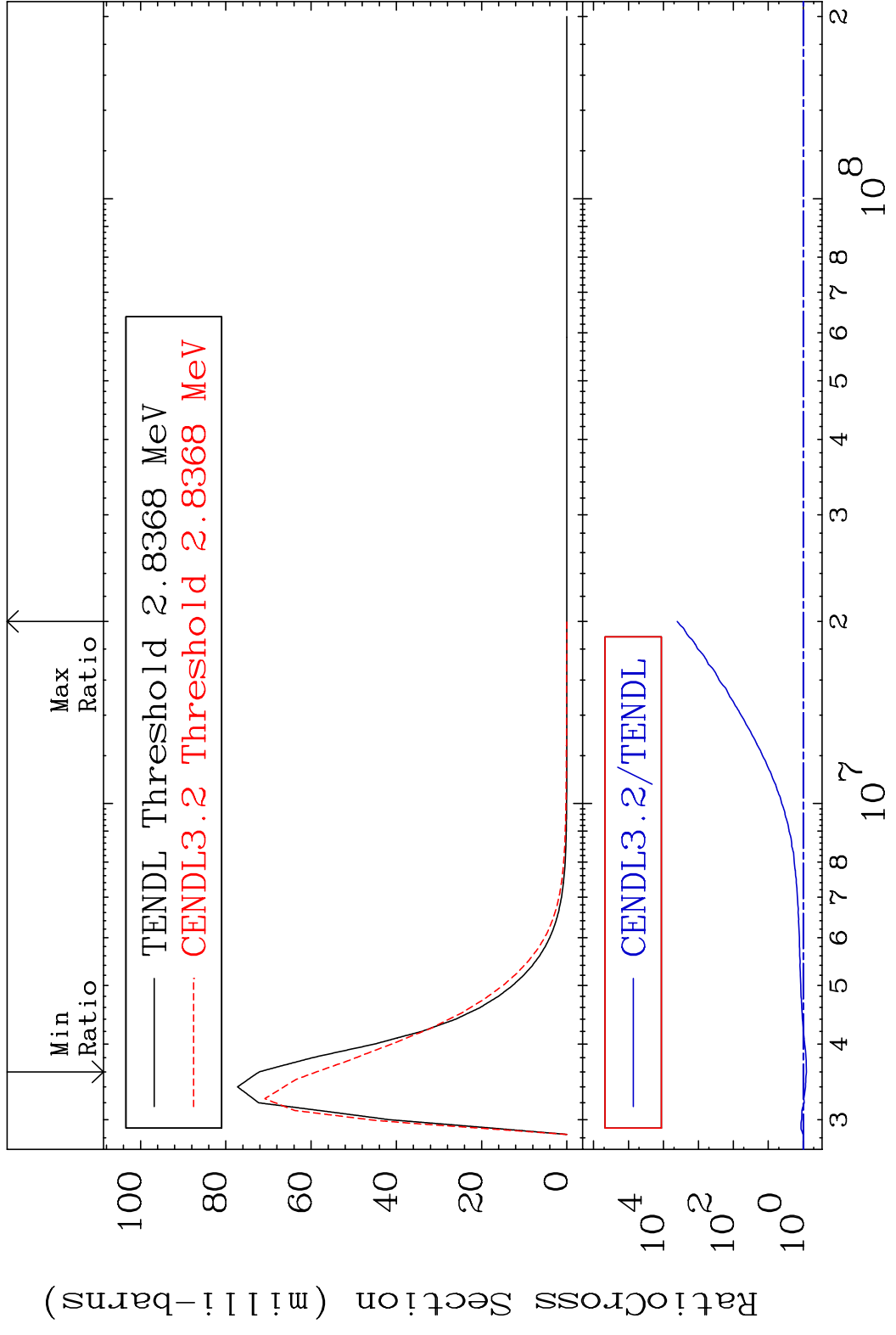


18 Incident Energy (eV) 38-Sr-89

MAT 3840 MT= 62 (n, n') Level 38-Sr-89
 Cross Section -15.48 To 9999. %

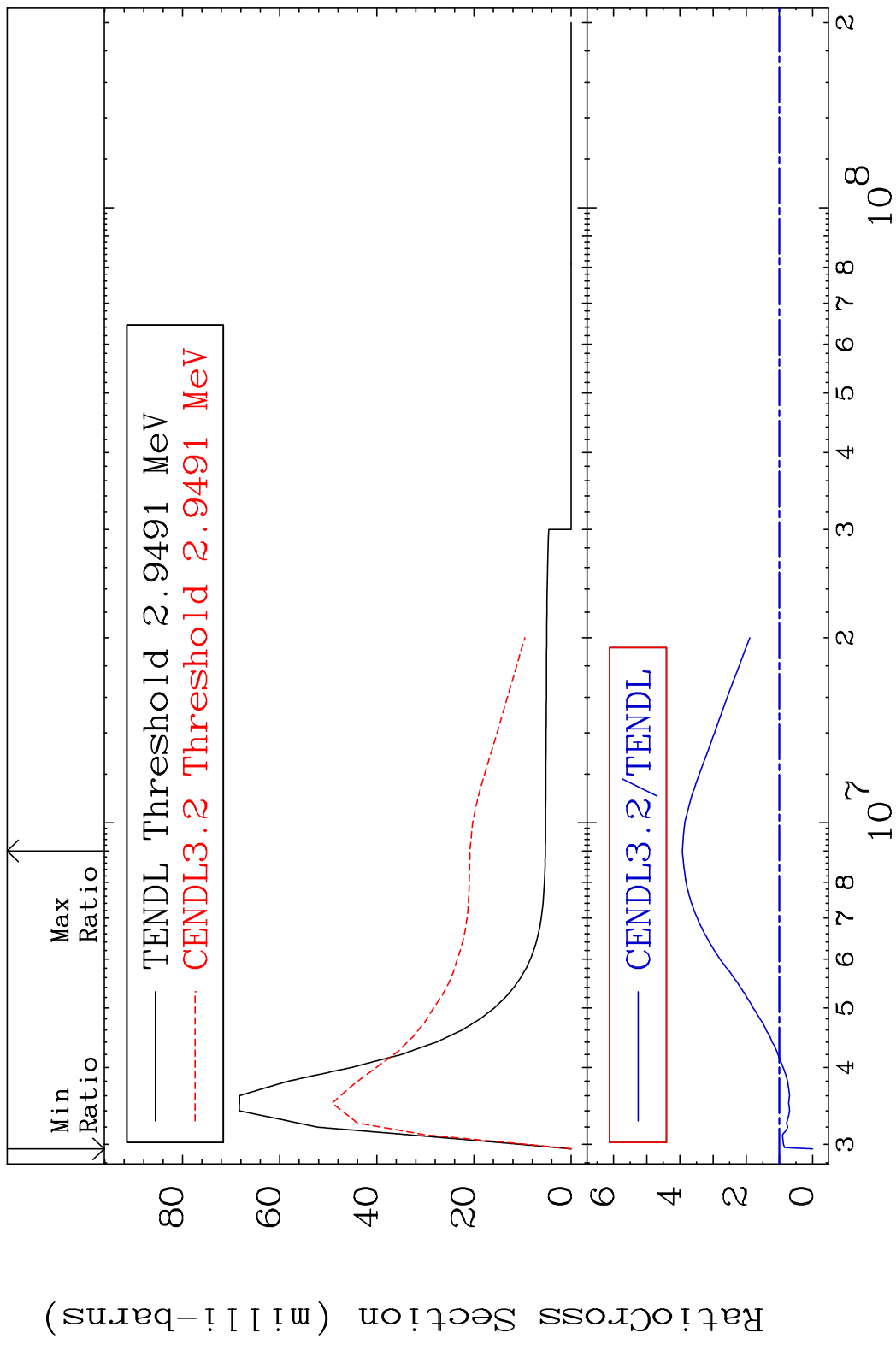


MAT 3840 MT= 63 (n, n') Level 38-Sr-89
 Cross Section -18.68 To 9999. %

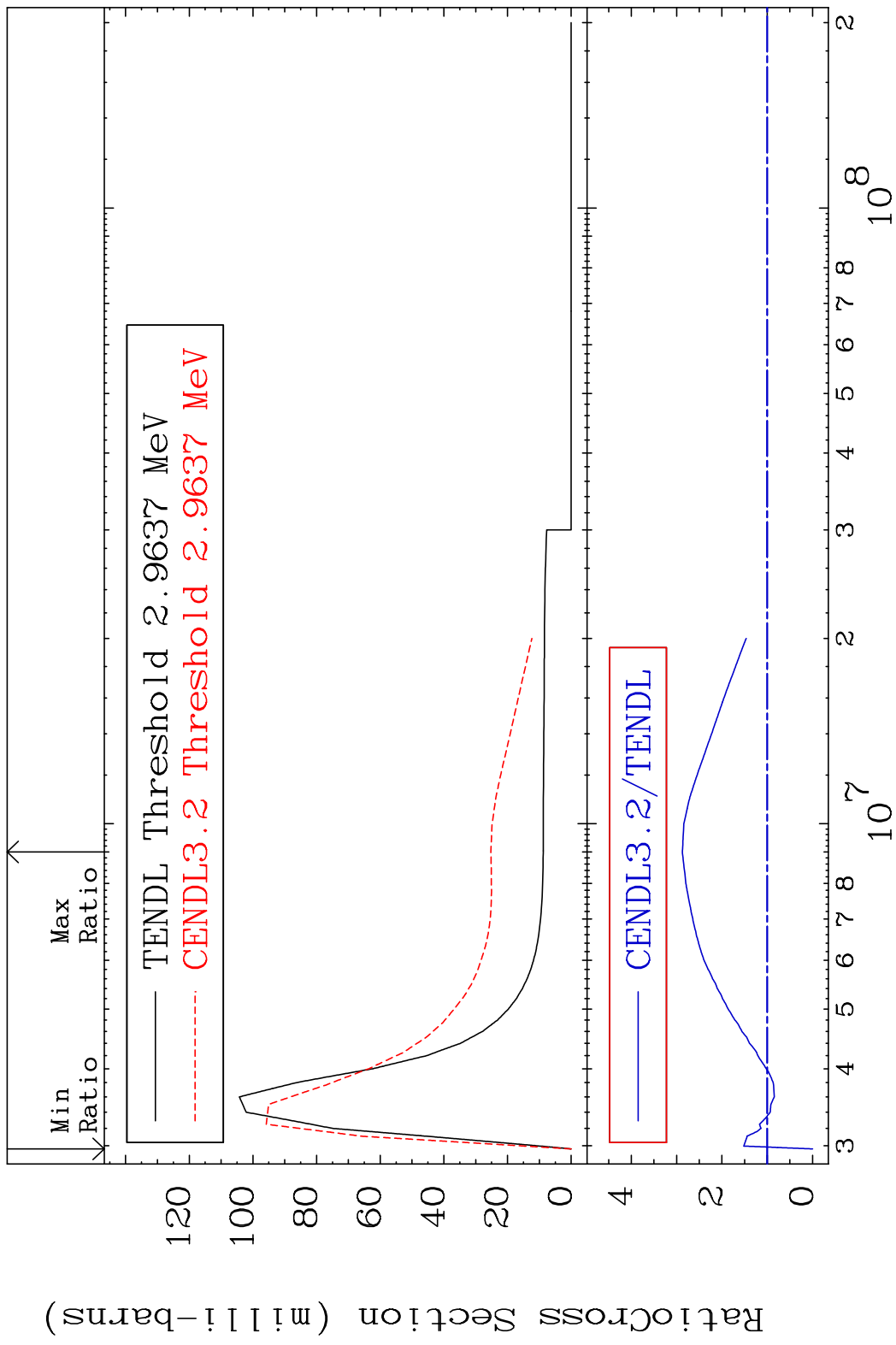


20 Incident Energy (eV) 38-Sr-89

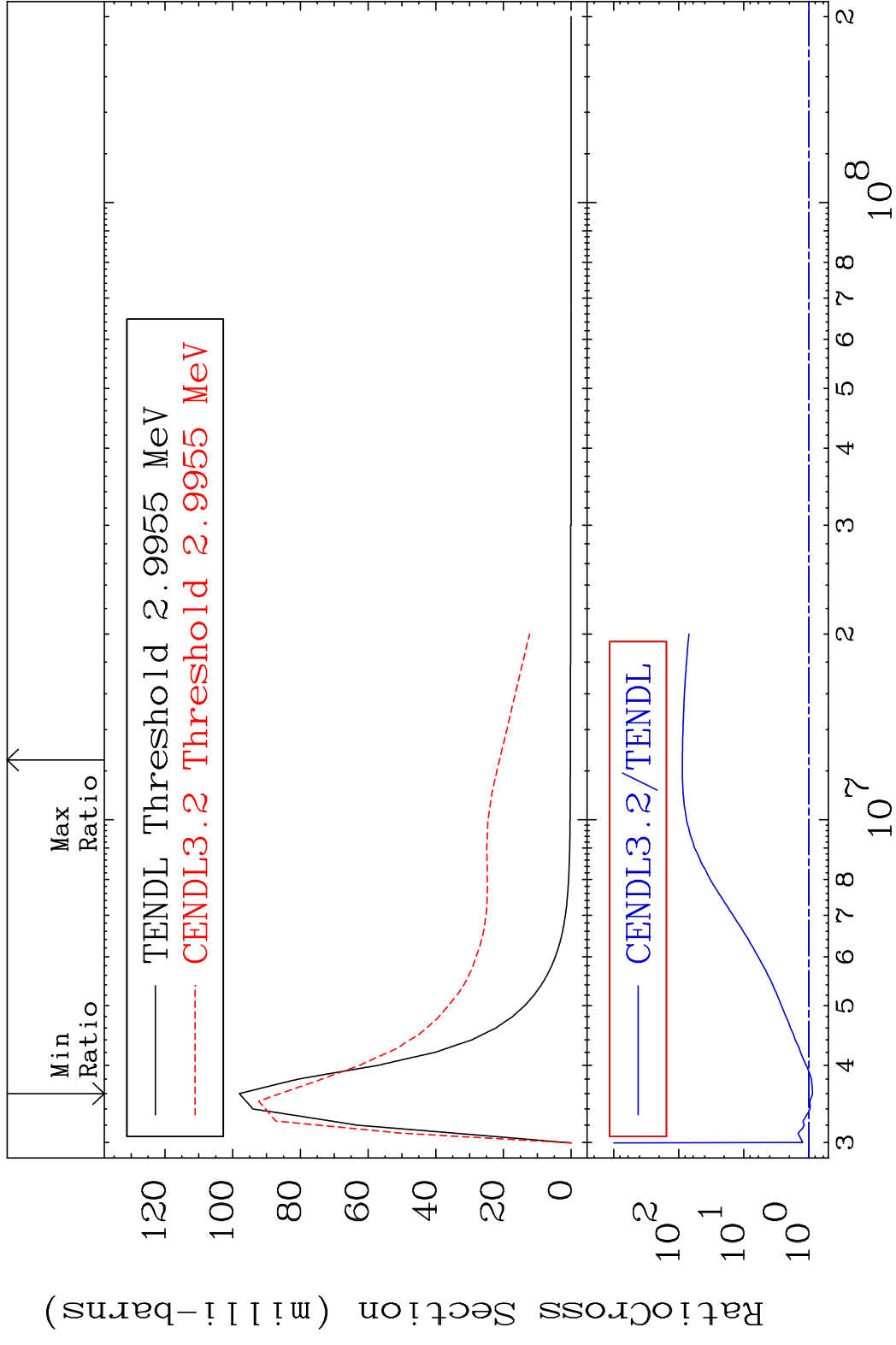
MAT 3840 MT= 64 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 292.6 %



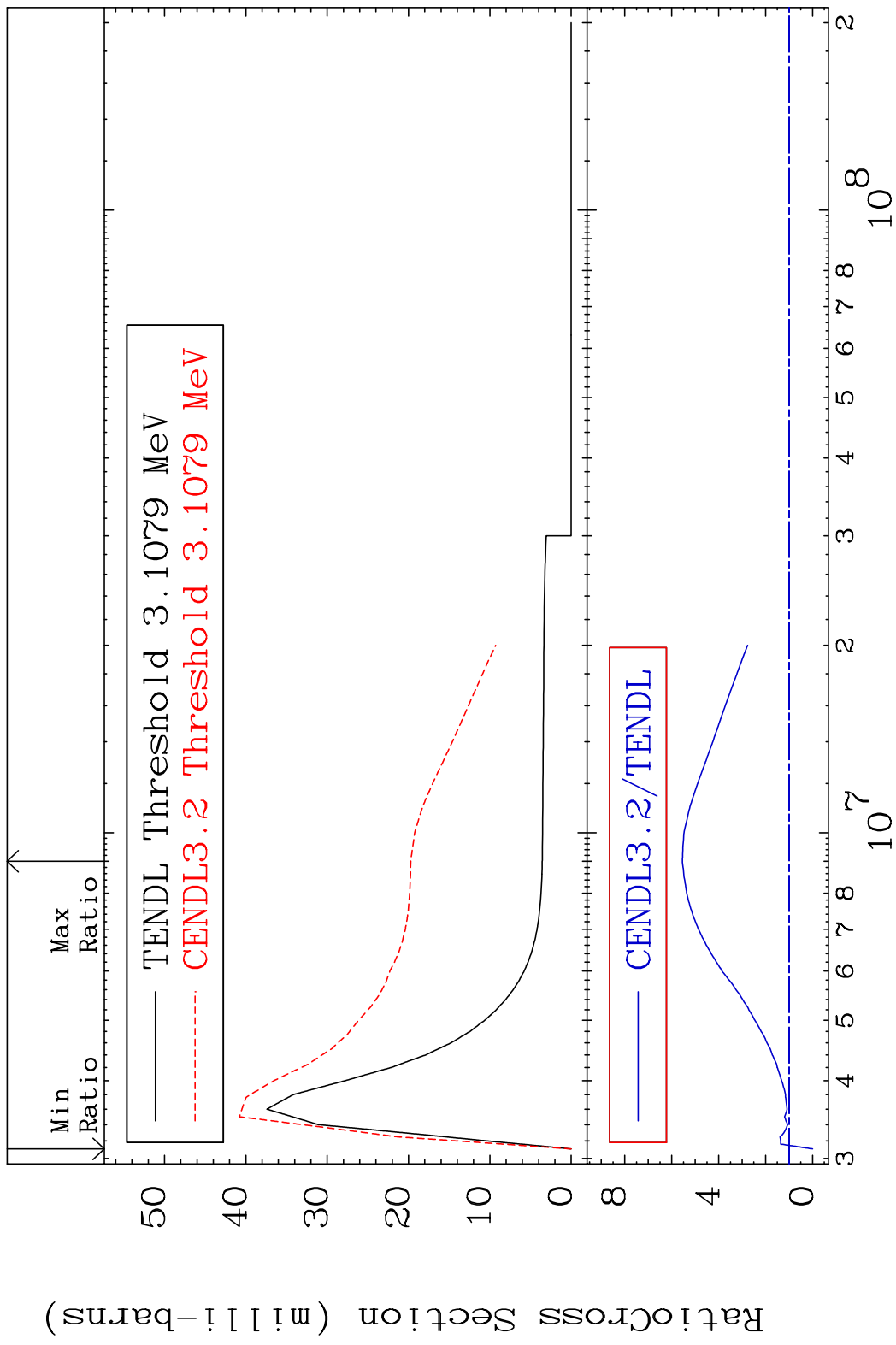
MAT 3840 MT= 65 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 187.4 %



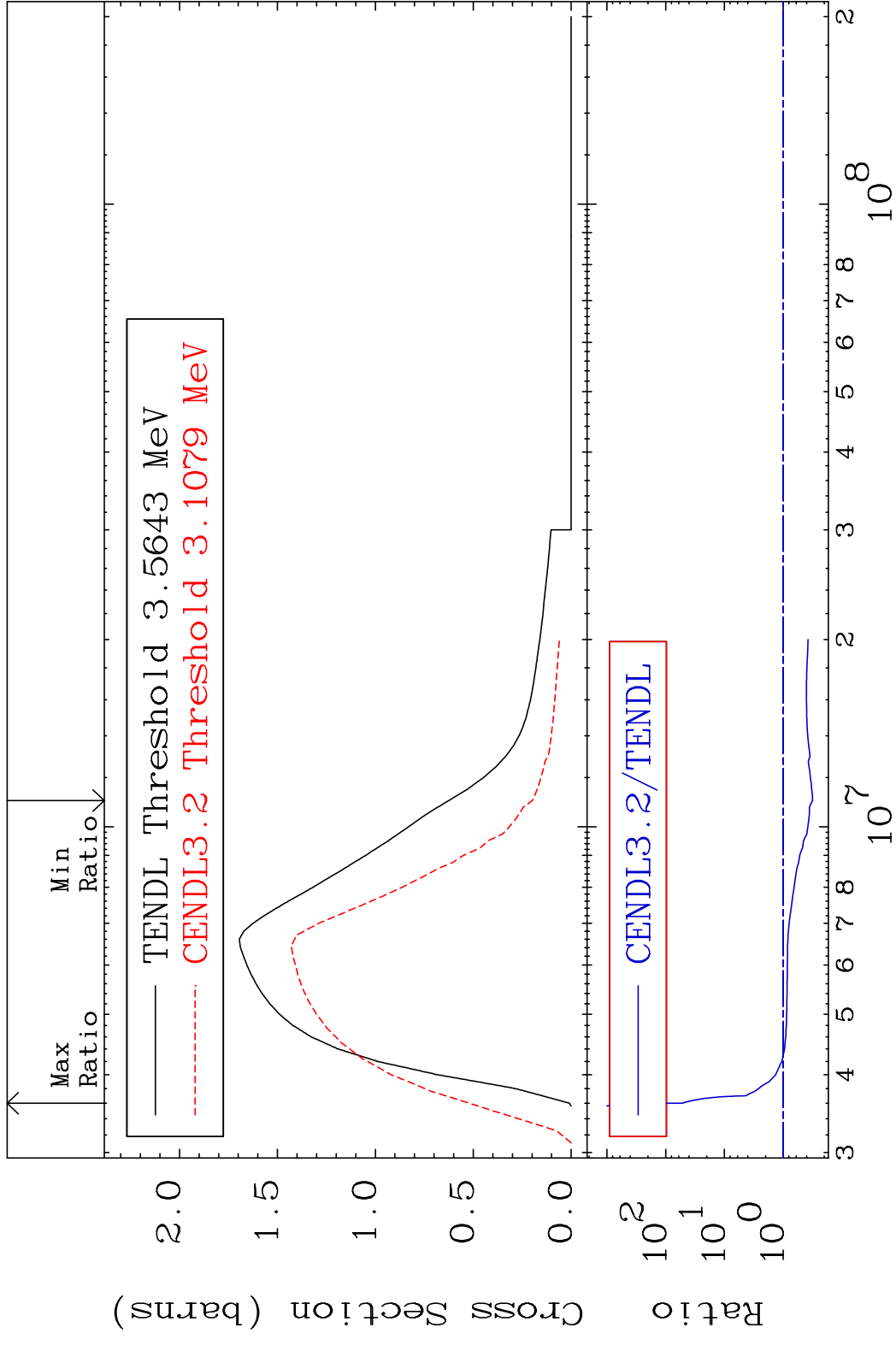
MAT 3840 MT= 66 (n,n') Level 38-Sr-89
 Cross Section -12.25 To 8706. %



MAT 3840 MT= 67 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 454.7 %



MAT 3840 (n, n') Continuum 38-Sr-89
 Cross Section -68.31 To 5100. %

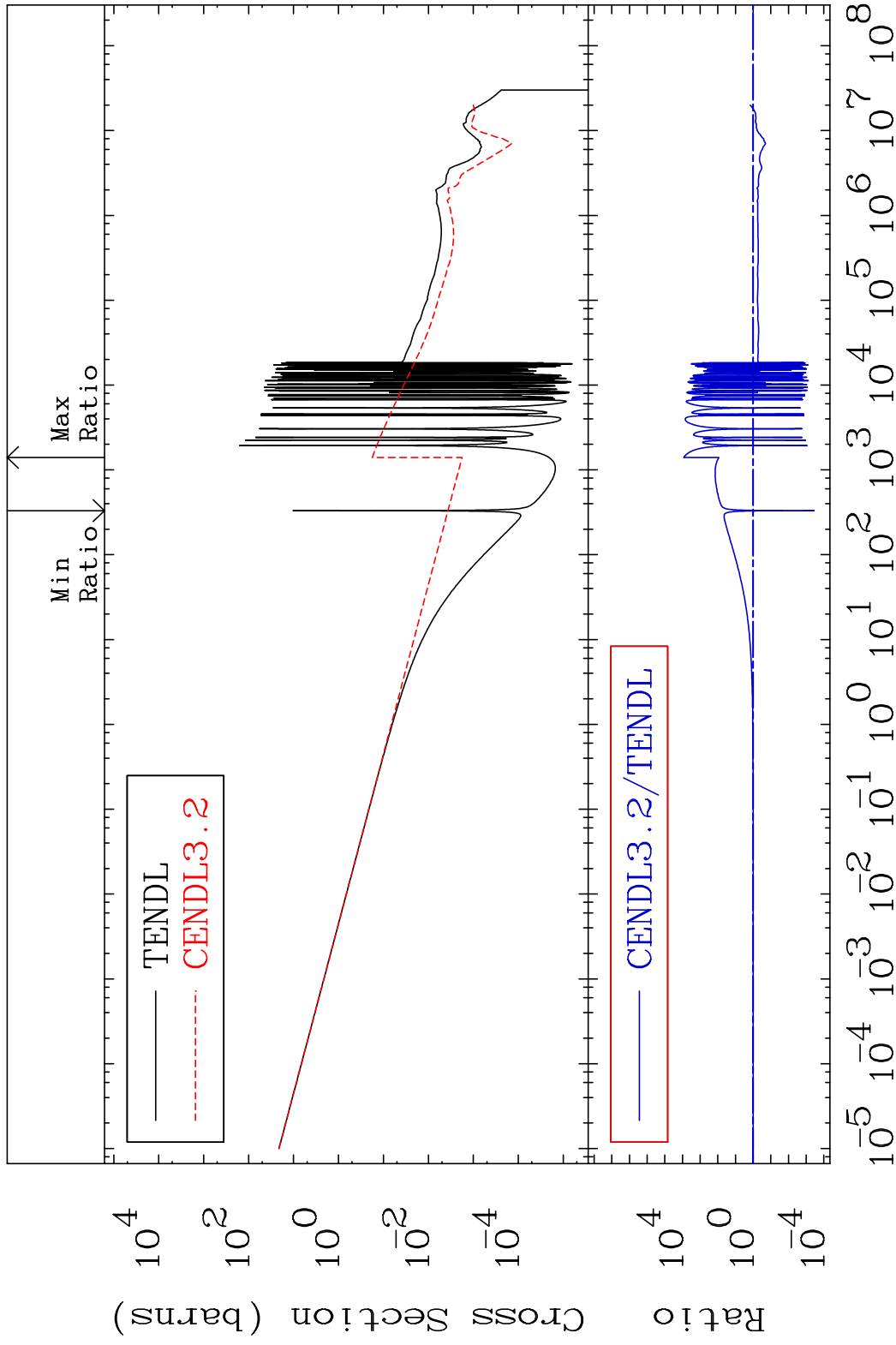


MAT 3840

(n, γ)

38-Sr-89

Cross Section -99.96 To 9999. %

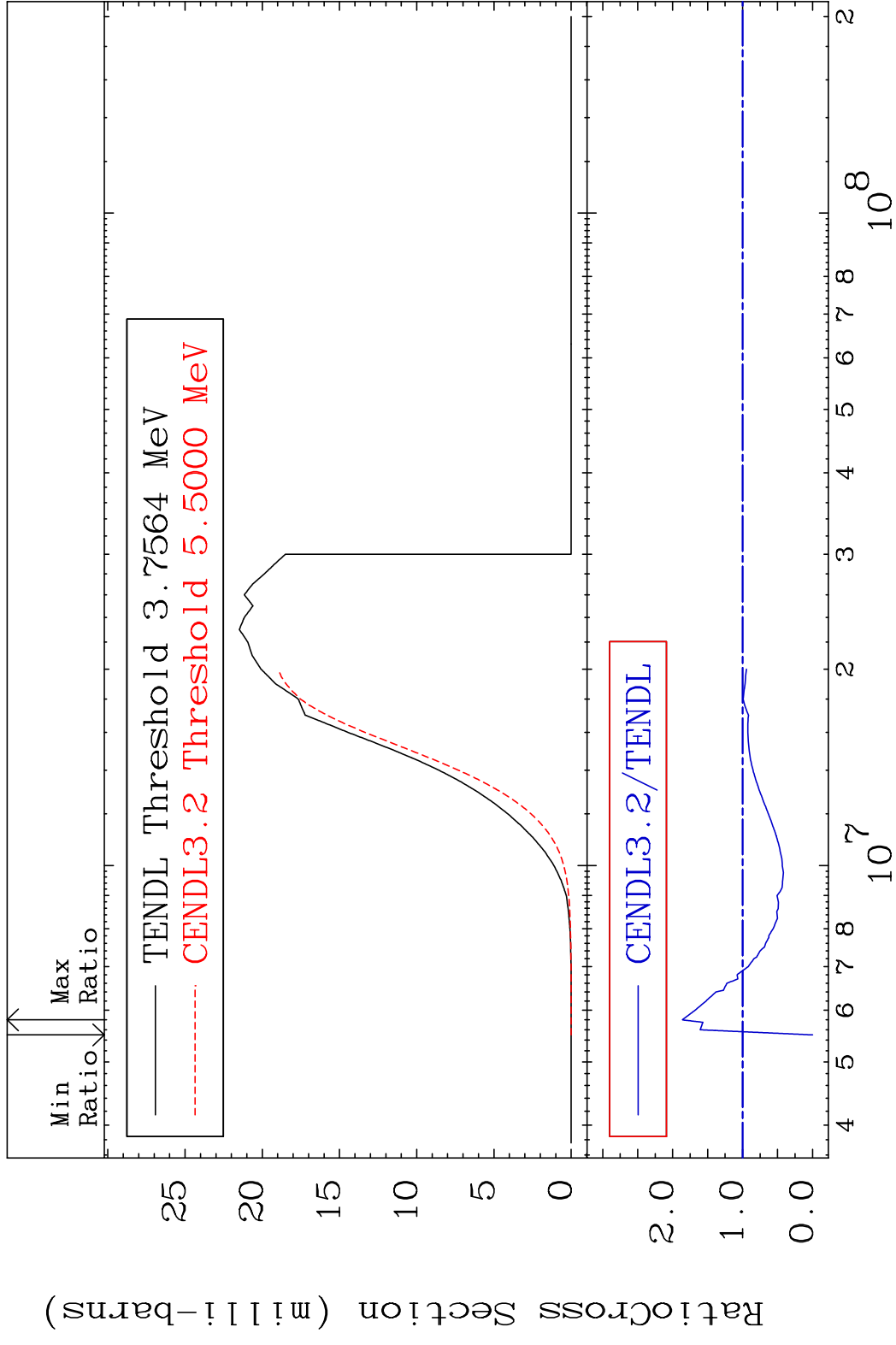


26

Incident Energy (eV)

38-Sr-89

MAT 3840 (n,p) 38-Sr-89
 Cross Section -100.0 To 86.13 %

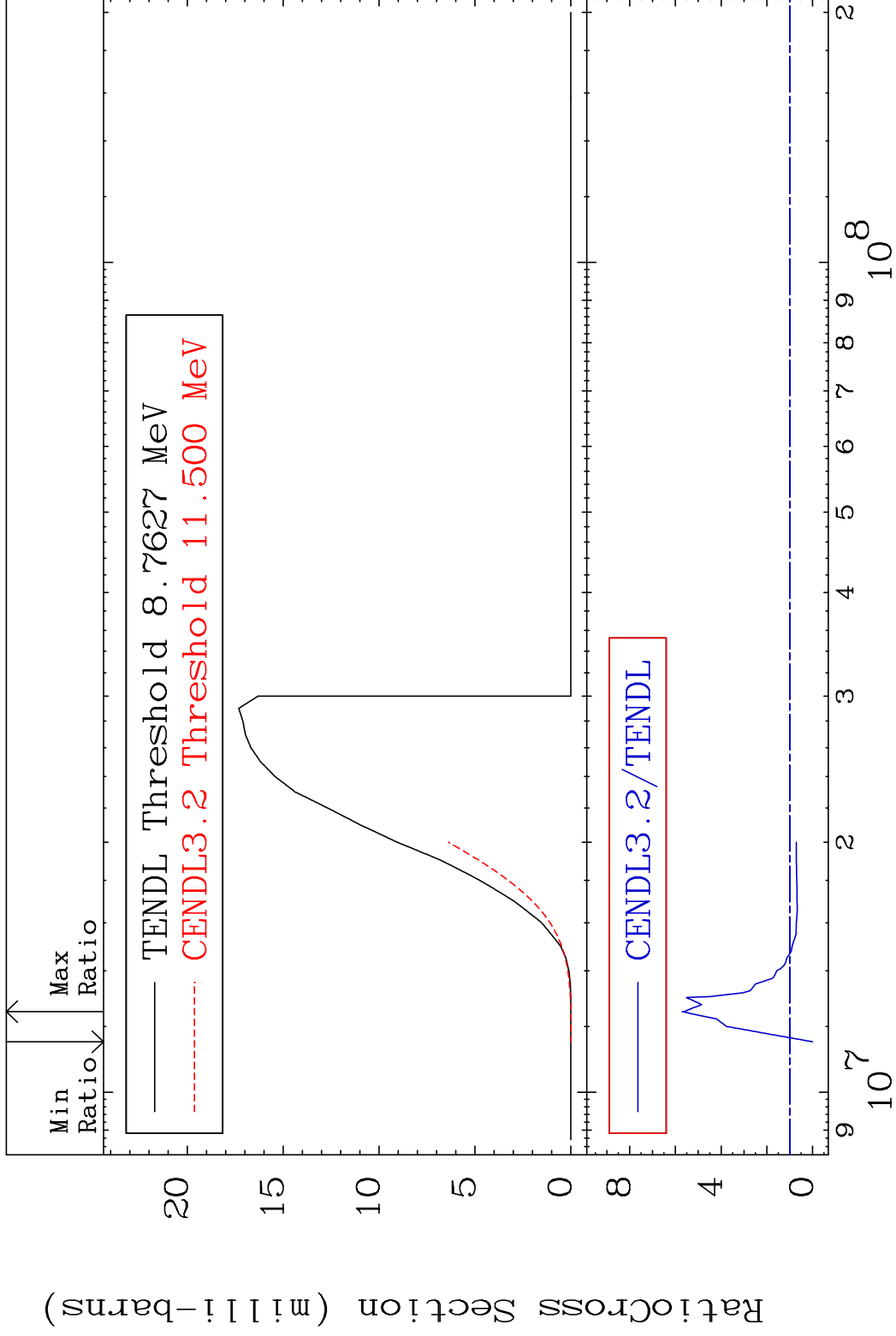


MAT 3840

(n, d)

38-Sr-89

Cross Section -100.0 To 470.6 %



28

Incident Energy (eV)

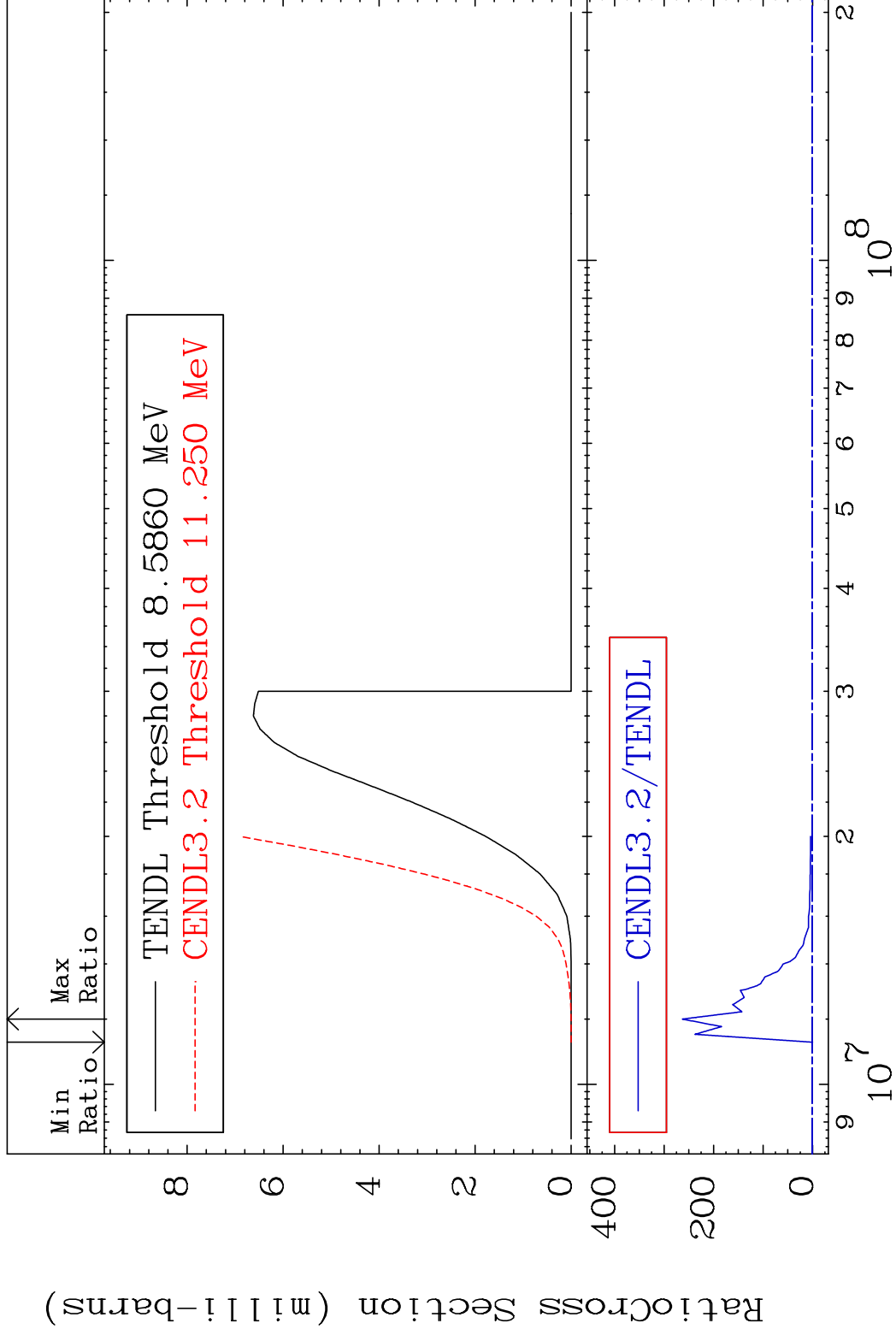
38-Sr-89

MAT 3840

(n, t)

38-Sr-89

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

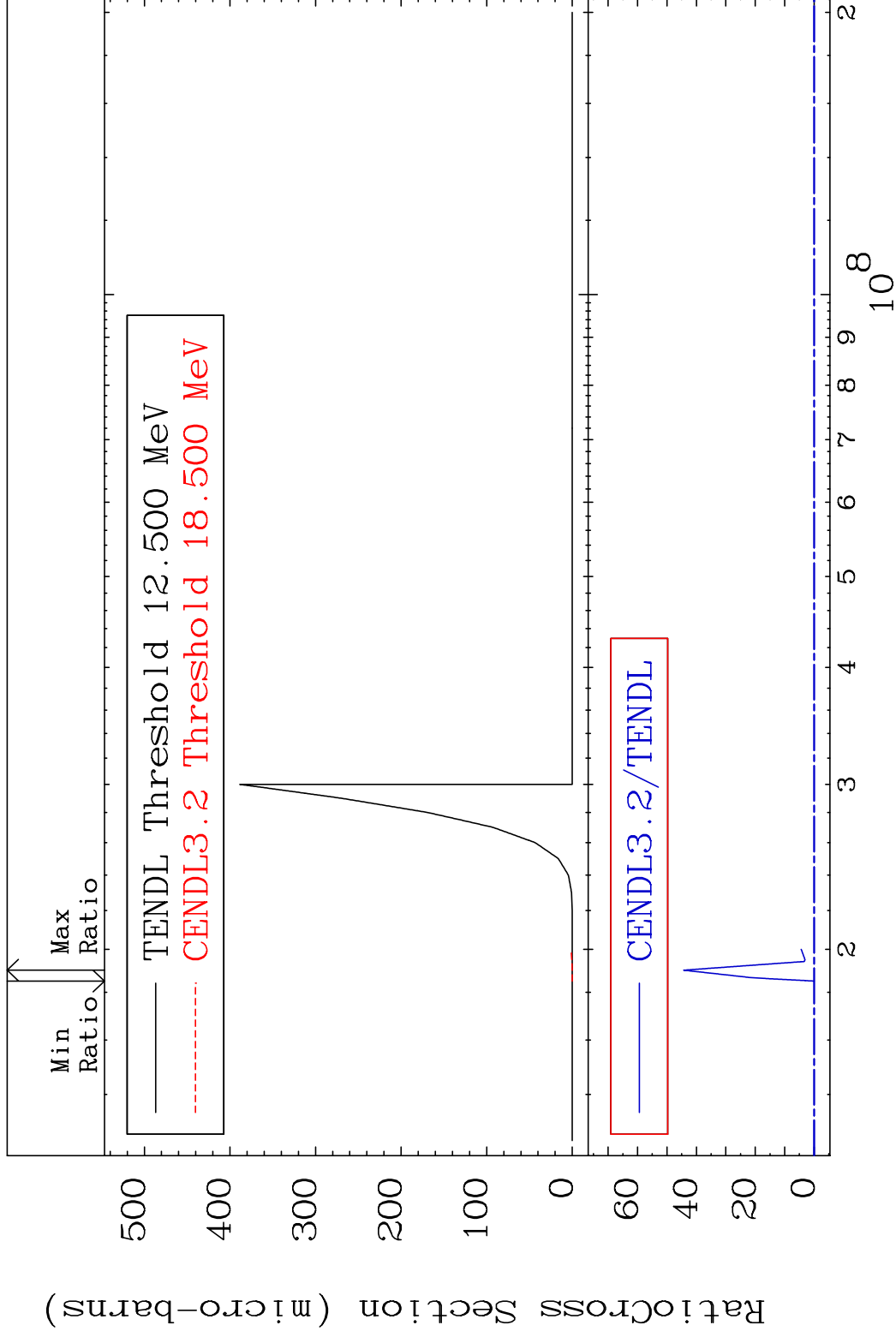
38-Sr-89

MAT 3840

(n, He-3)

38-Sr-89

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

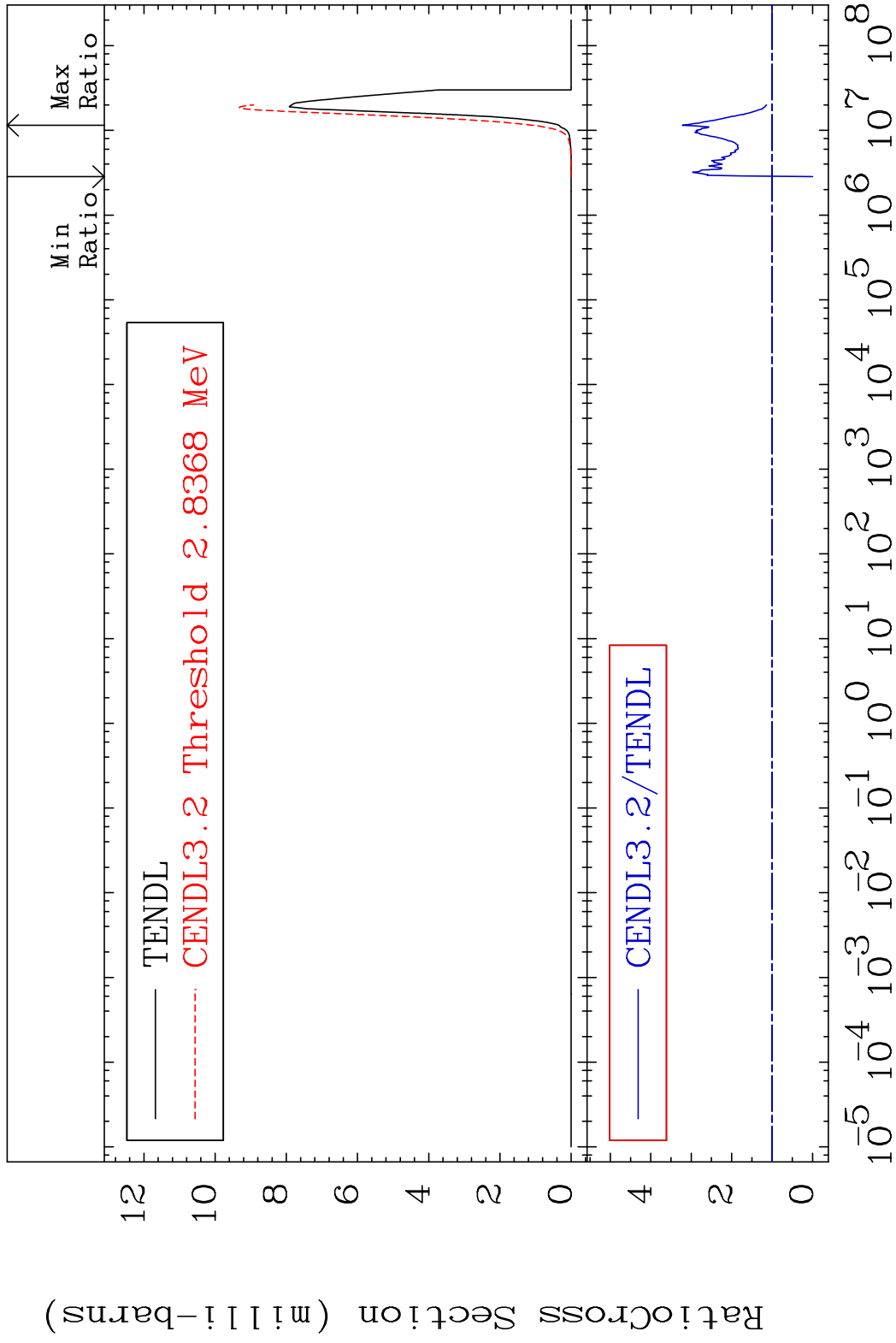
38-Sr-89

MAT 3840

(n, α)

38-Sr-89

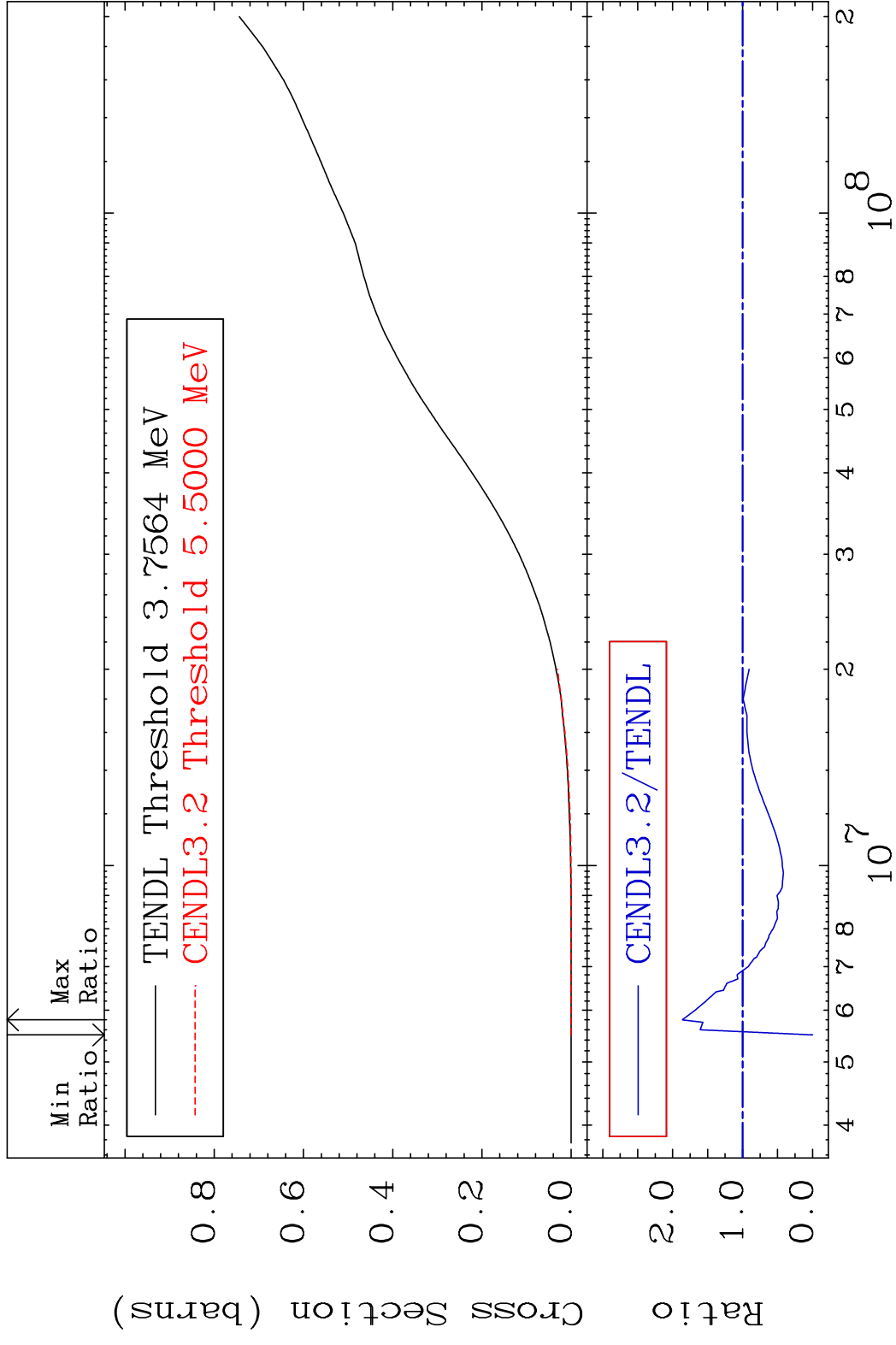
Cross Section -100.0 To 221.9 %



MAT 3840

Hydrogen Production
Cross Section -100.0 To 86.13 %

³⁸Sr-89

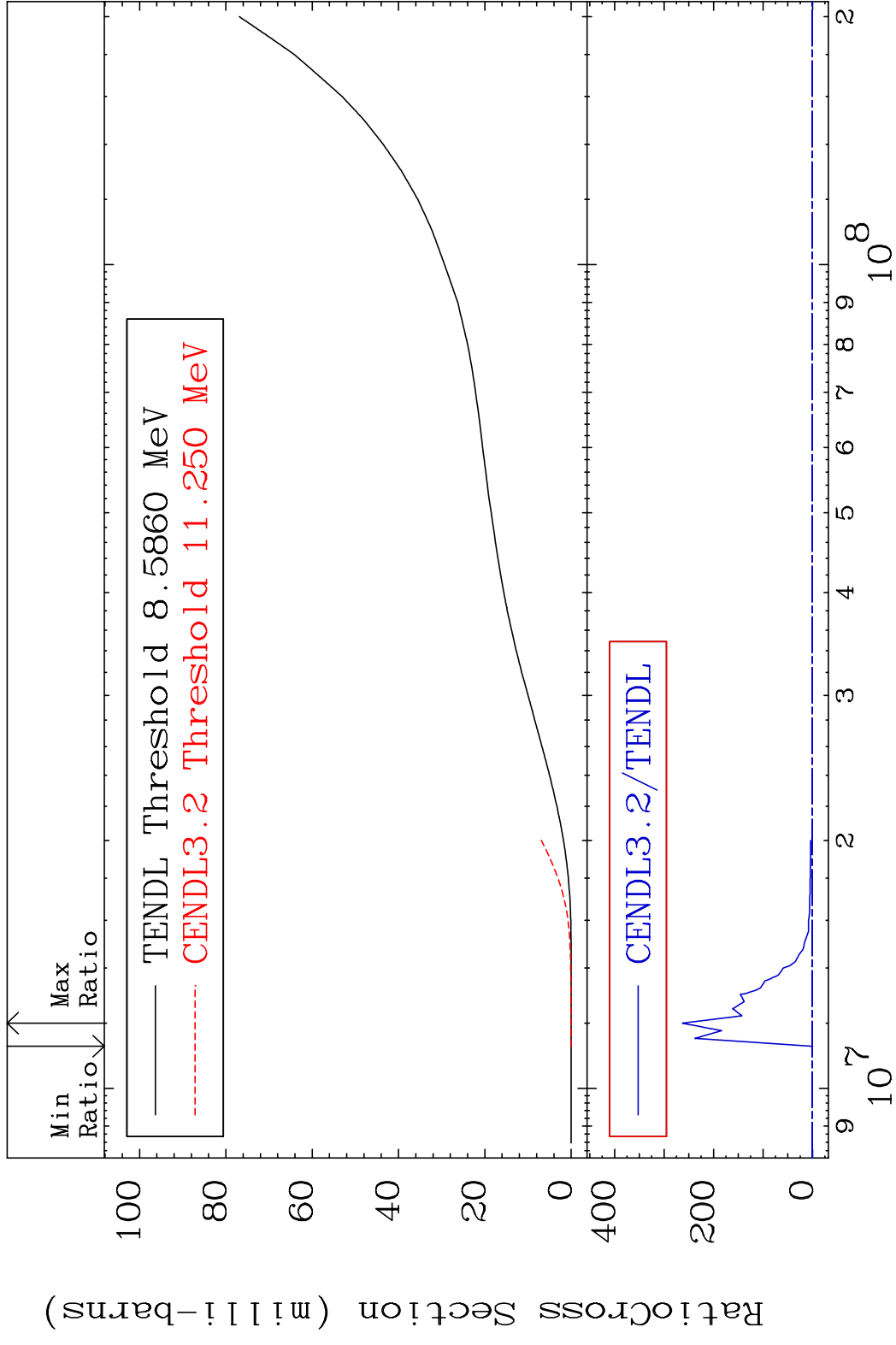


32

Incident Energy (eV)

³⁸Sr-89

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

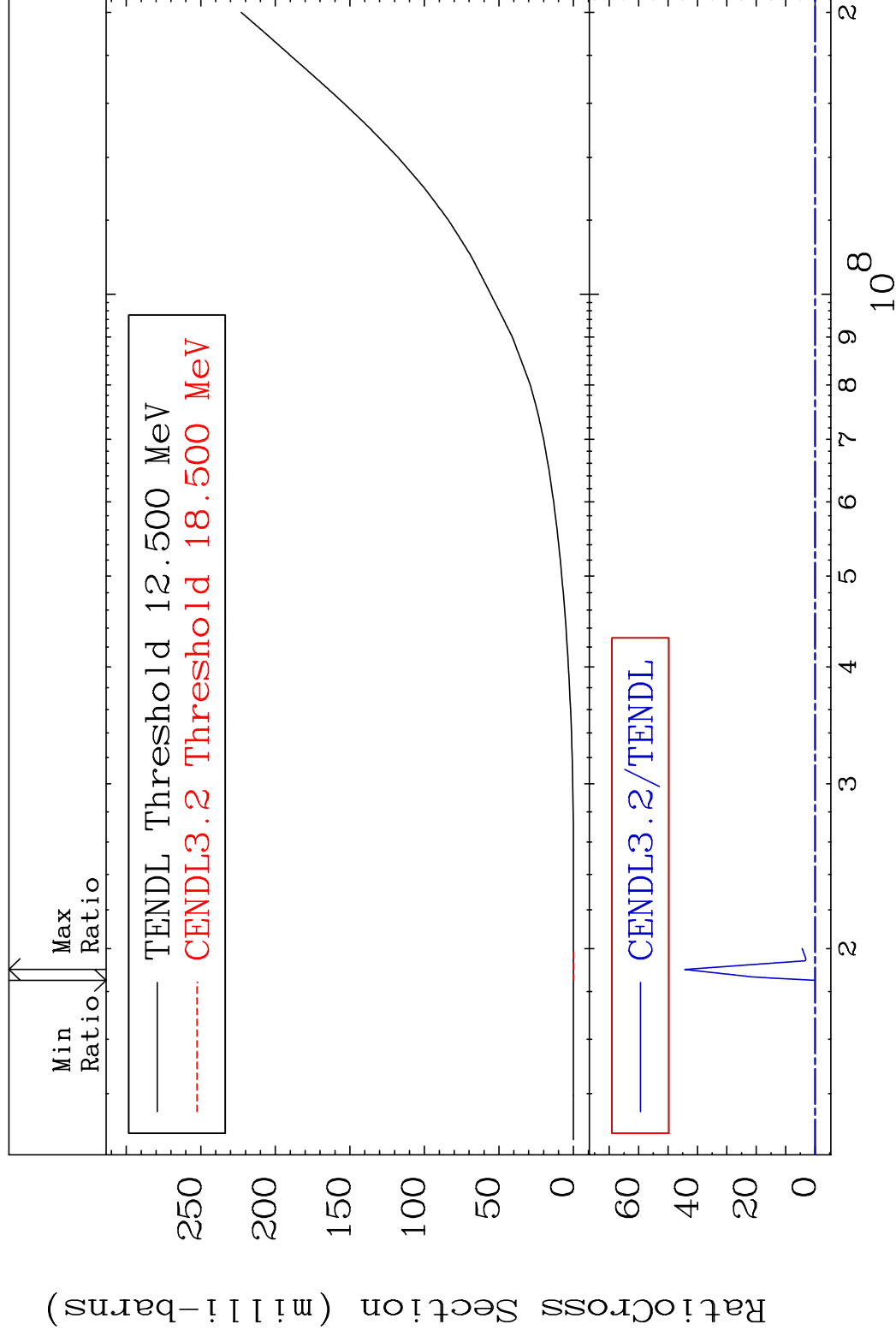


MAT 3840

He-3 Production

38-Sr-89

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

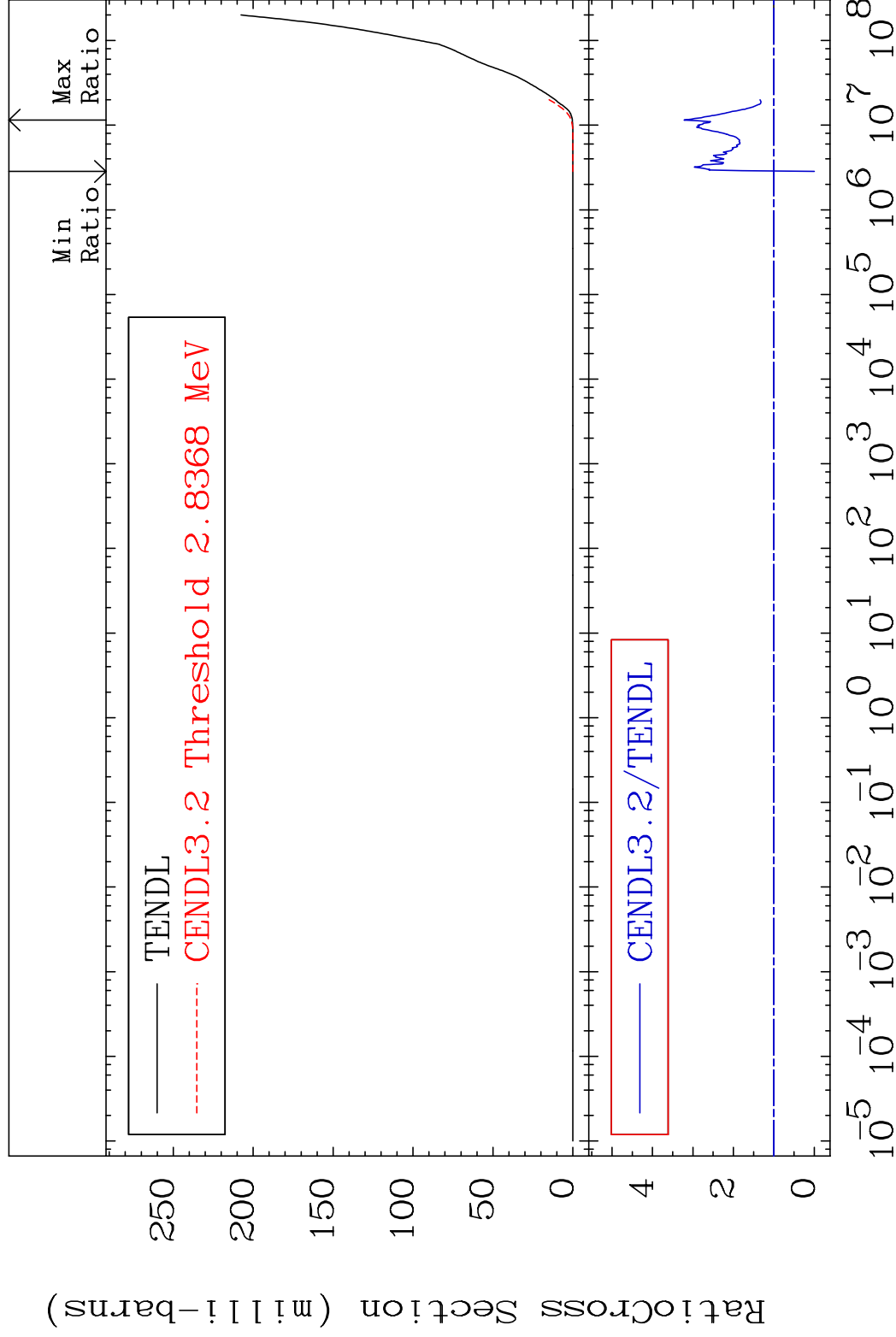
38-Sr-89

MAT 3840

He-4 Production

38-Sr-89

Cross Section -100.0 To 221.9 %

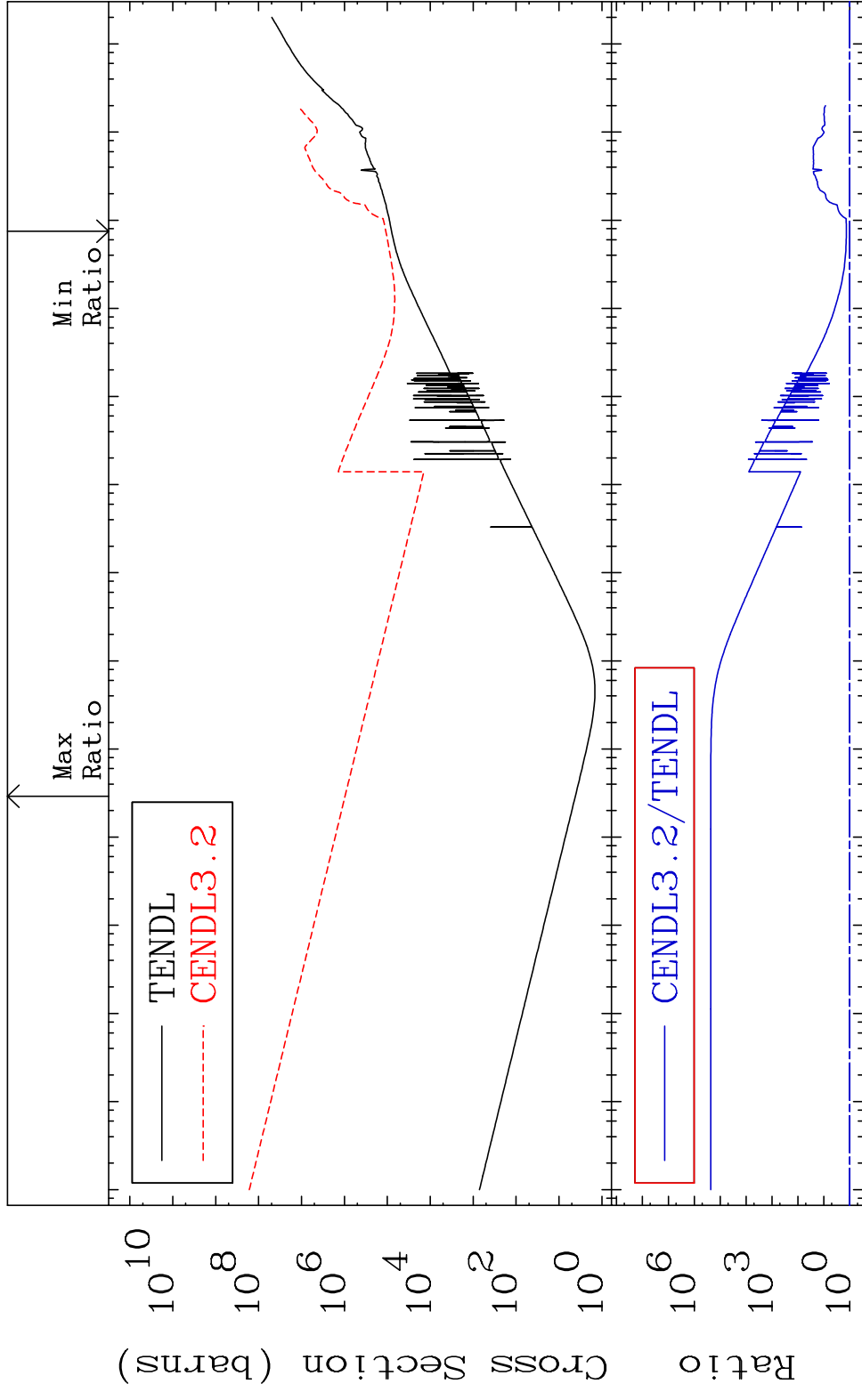


36

Incident Energy (eV)

38-Sr-89

MAT 3840 Kerma total (eV-barns) 38-Sr-89
 Cross Section 36.20 To 9999. %

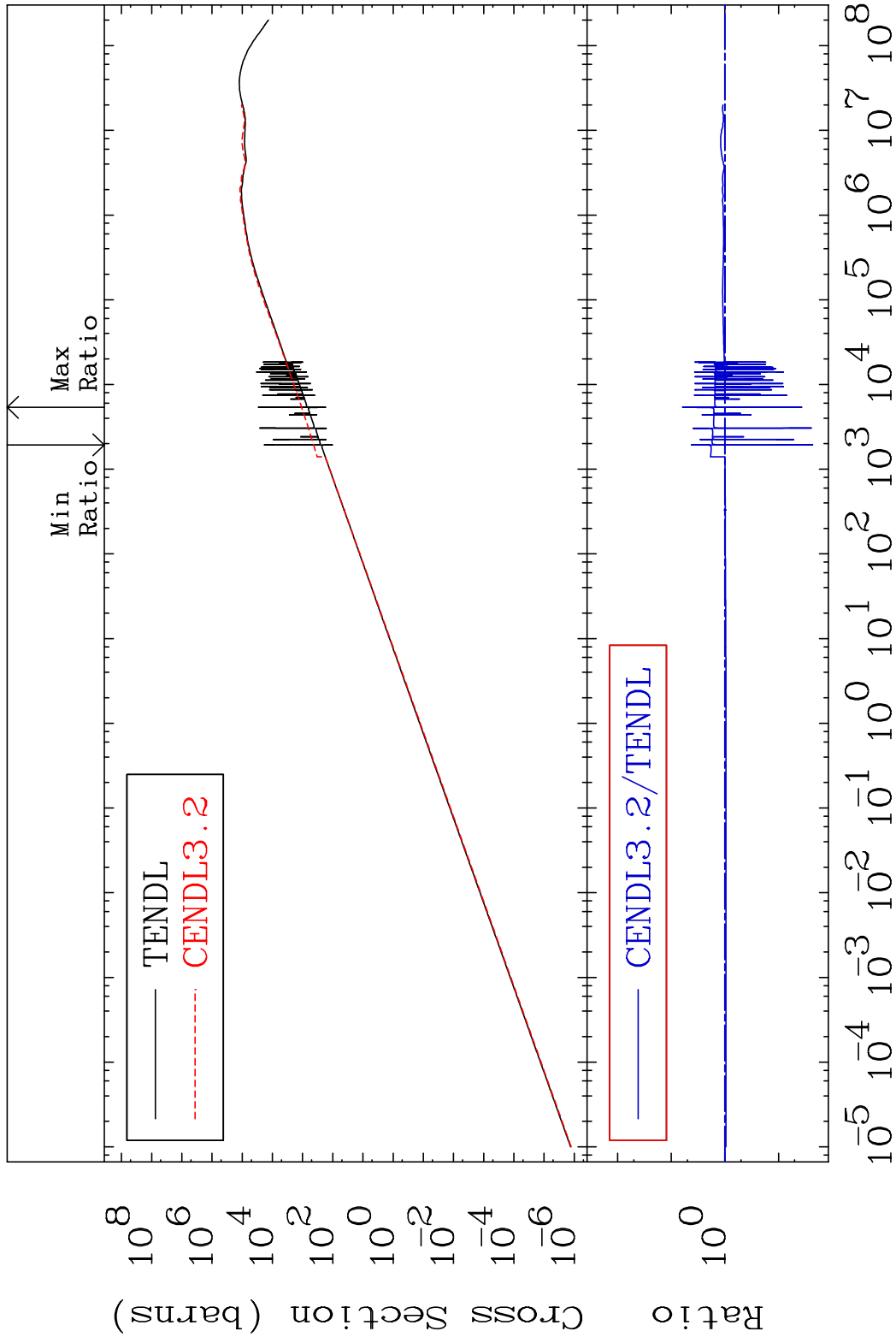


37 Incident Energy (eV) 38-Sr-89

MAT 3840

Kerma elastic
Cross Section

38-Sr-89
-97.68 To 520.5 %

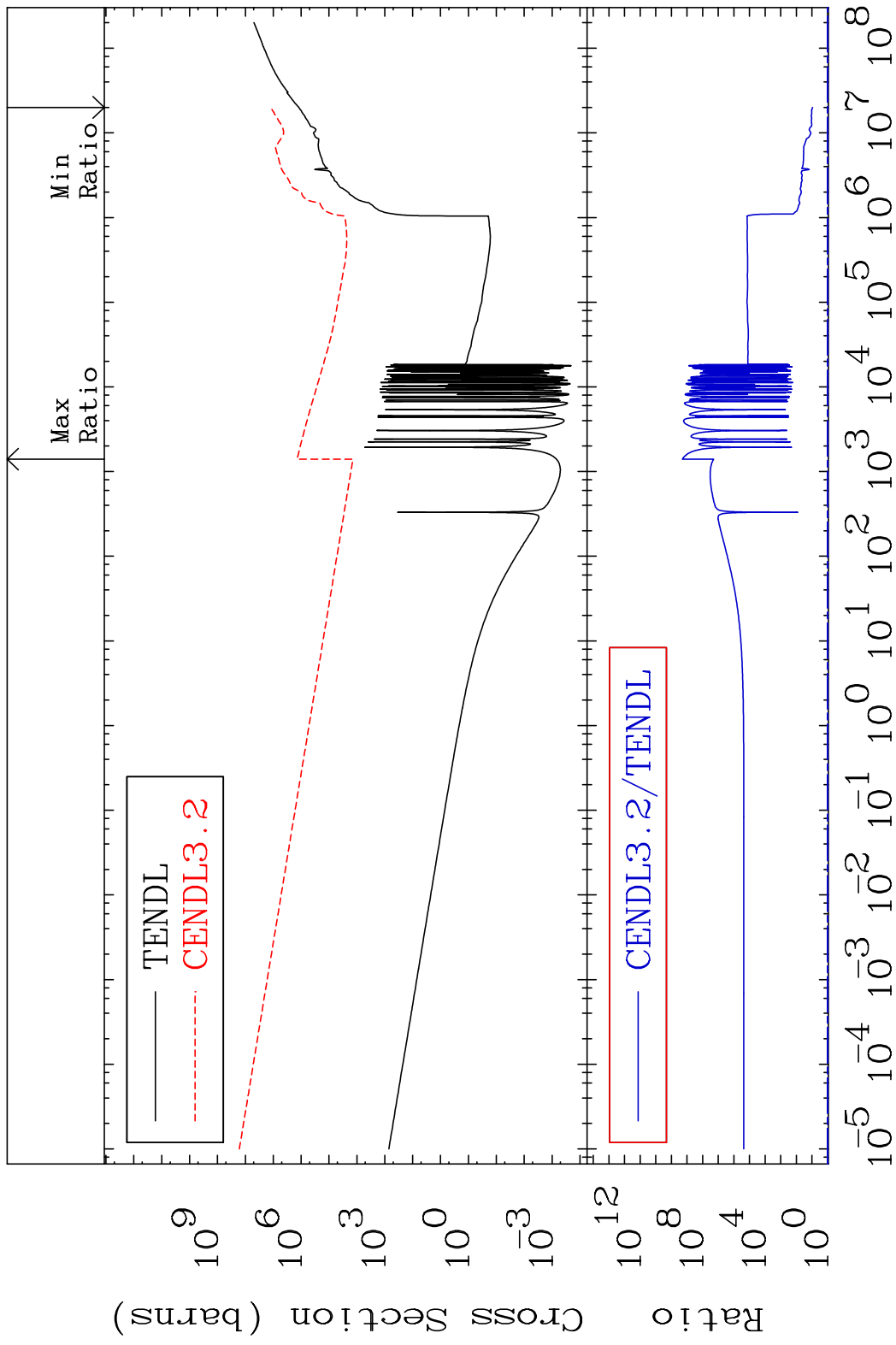


38

Incident Energy (eV)

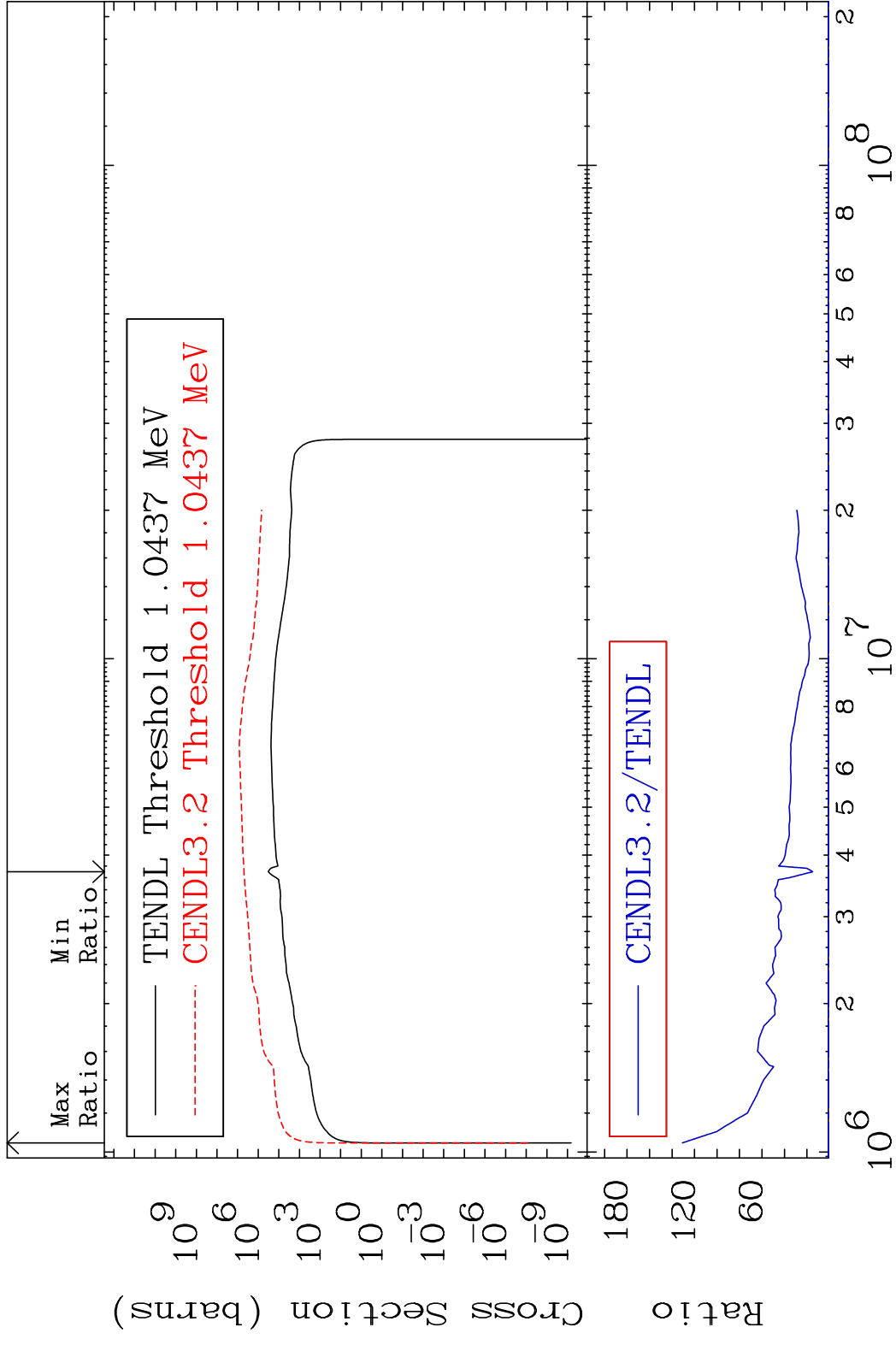
38-Sr-89

MAT 3840 Kerma non-elastic (all but mt2) 38-Sr-89
 Cross Section 821.0 To 9999. %



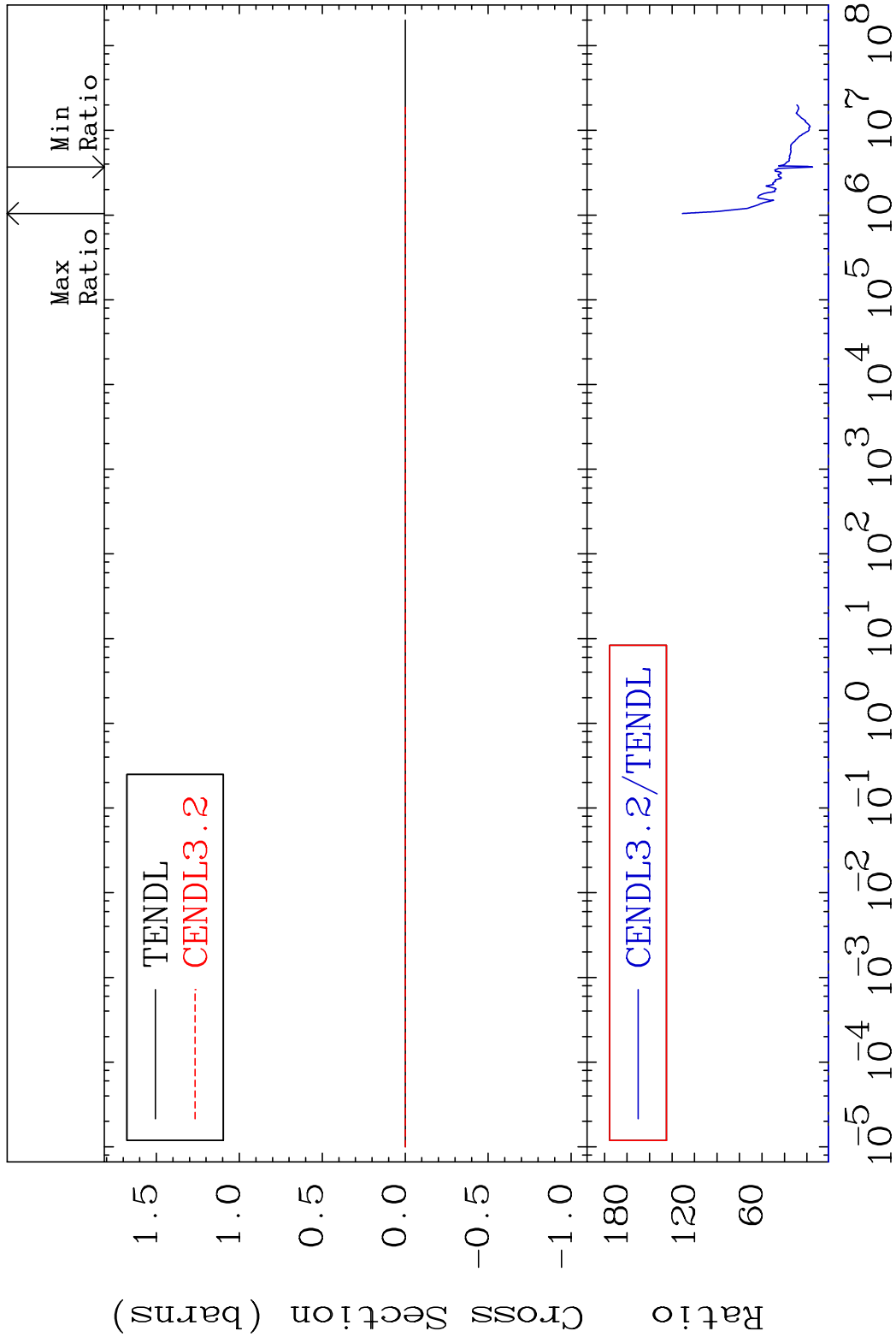
39 Incident Energy (eV) 38-Sr-89

MAT 3840 Kerma inelastic (mt51-91) 38-Sr-89
 Cross Section 1403. To 9999. %



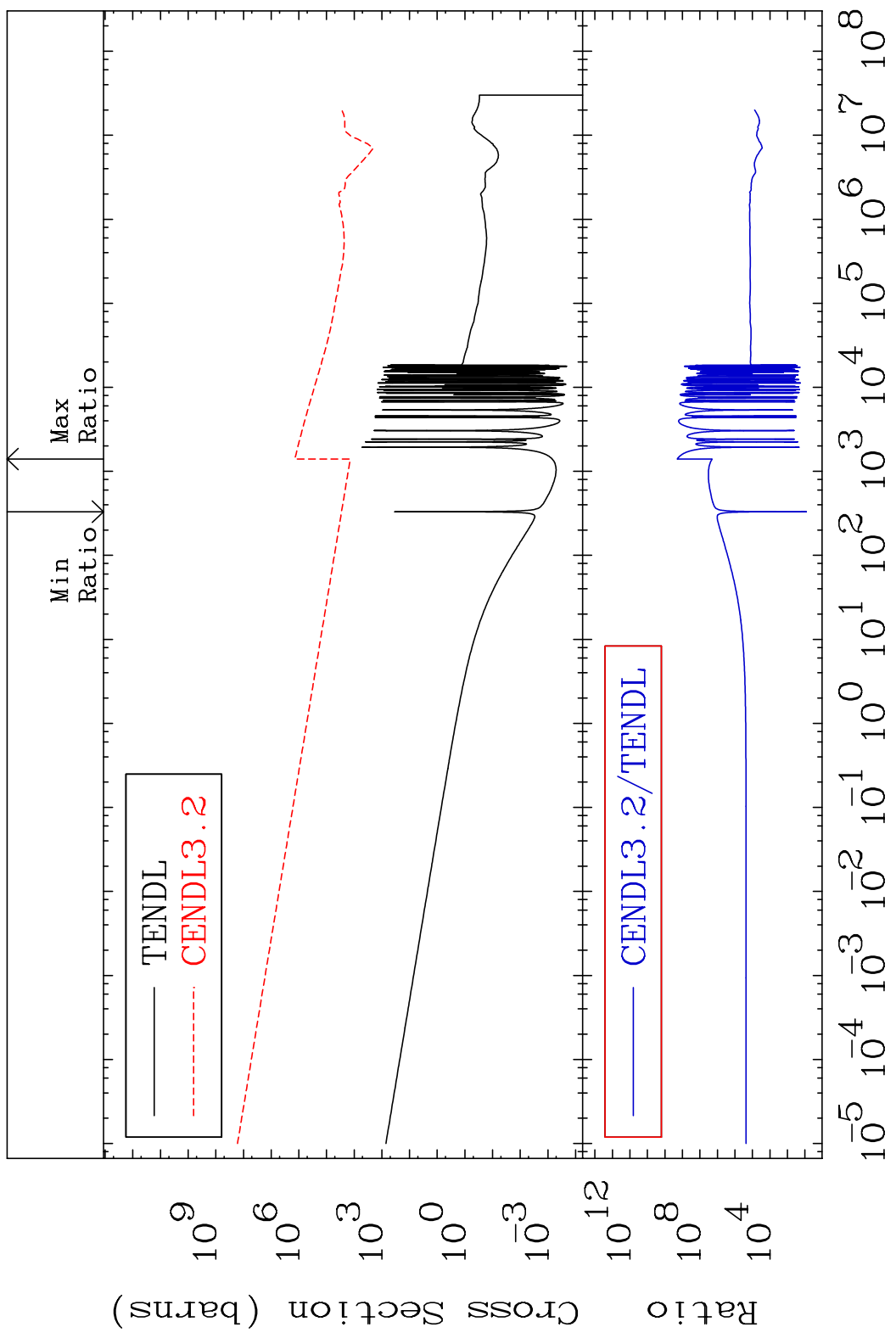
40 Incident Energy (eV) 38-Sr-89

MAT 3840 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-89
 Cross Section 1403. To 9999. %



MAT 3840

Kerma capture (mt102) 38-Sr-89
Cross Section 8137. To 9999. %

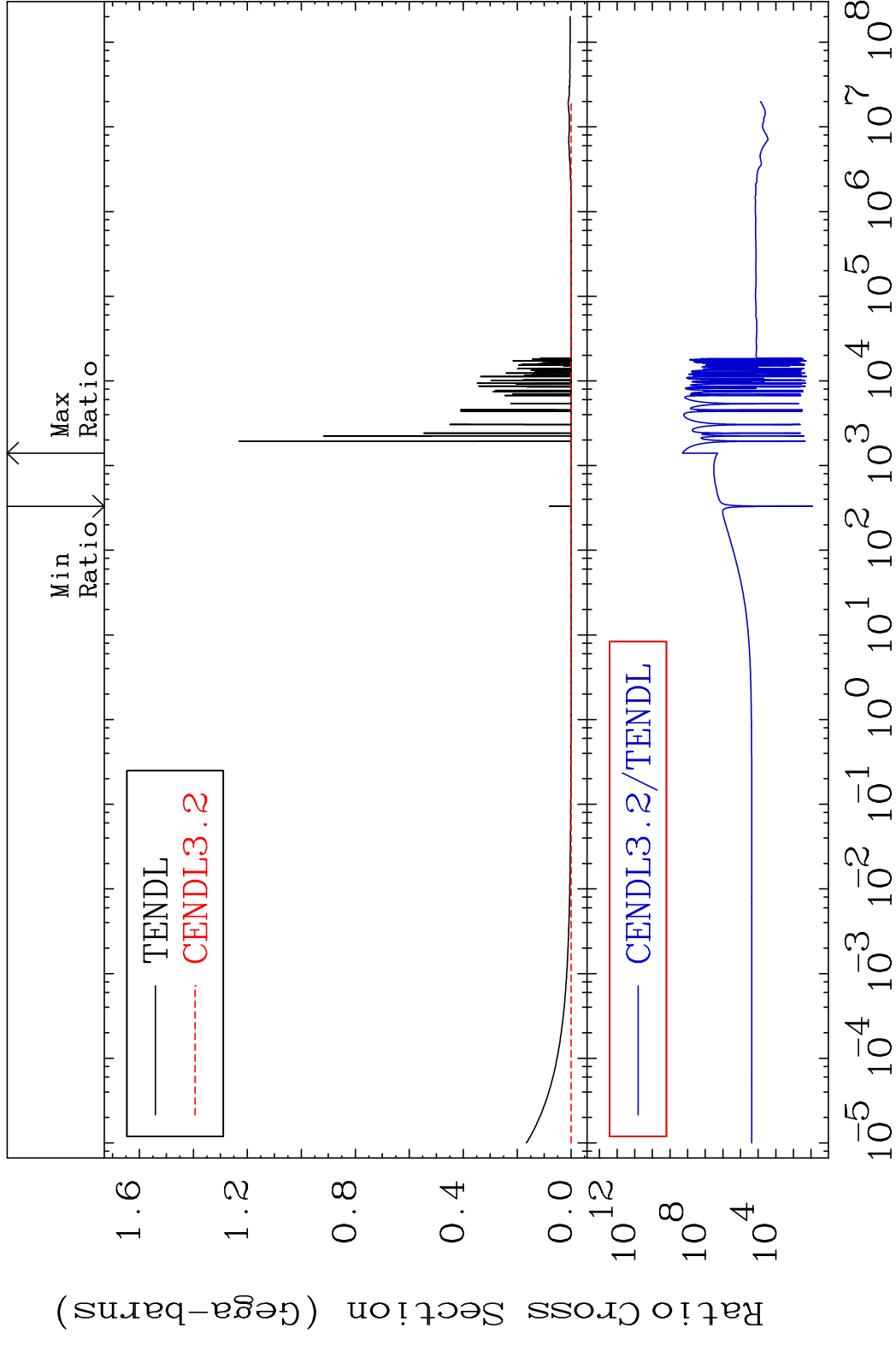


42

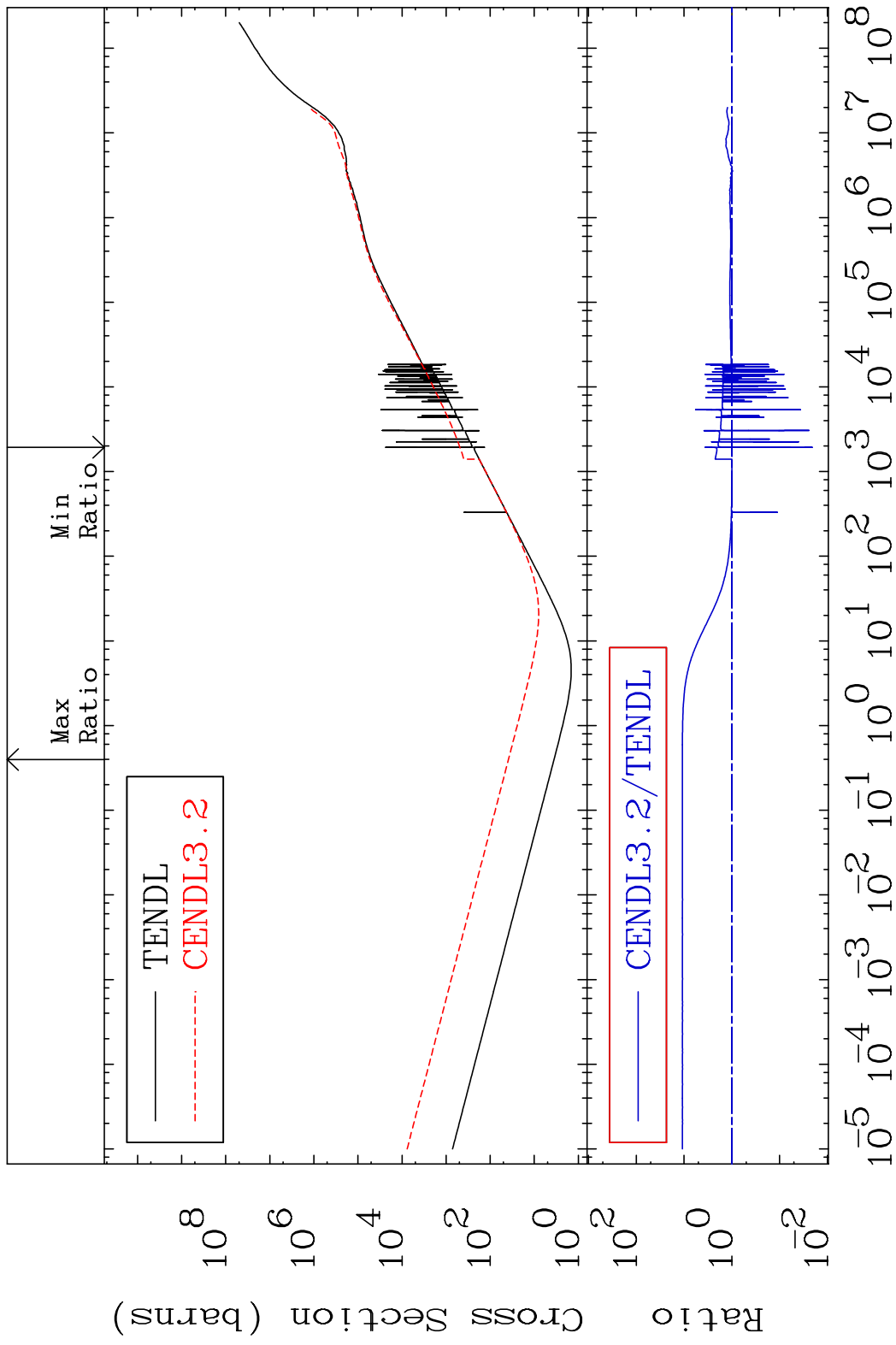
Incident Energy (eV)

38-Sr-89

MAT 3840 Total photon (eV-barns) 38-Sr-89
 Cross Section 8137. To 9999. %



MAT 3840 Total kinematic kerma (high limit) 38-Sr-89
 Cross Section -97.96 To 983.4 %

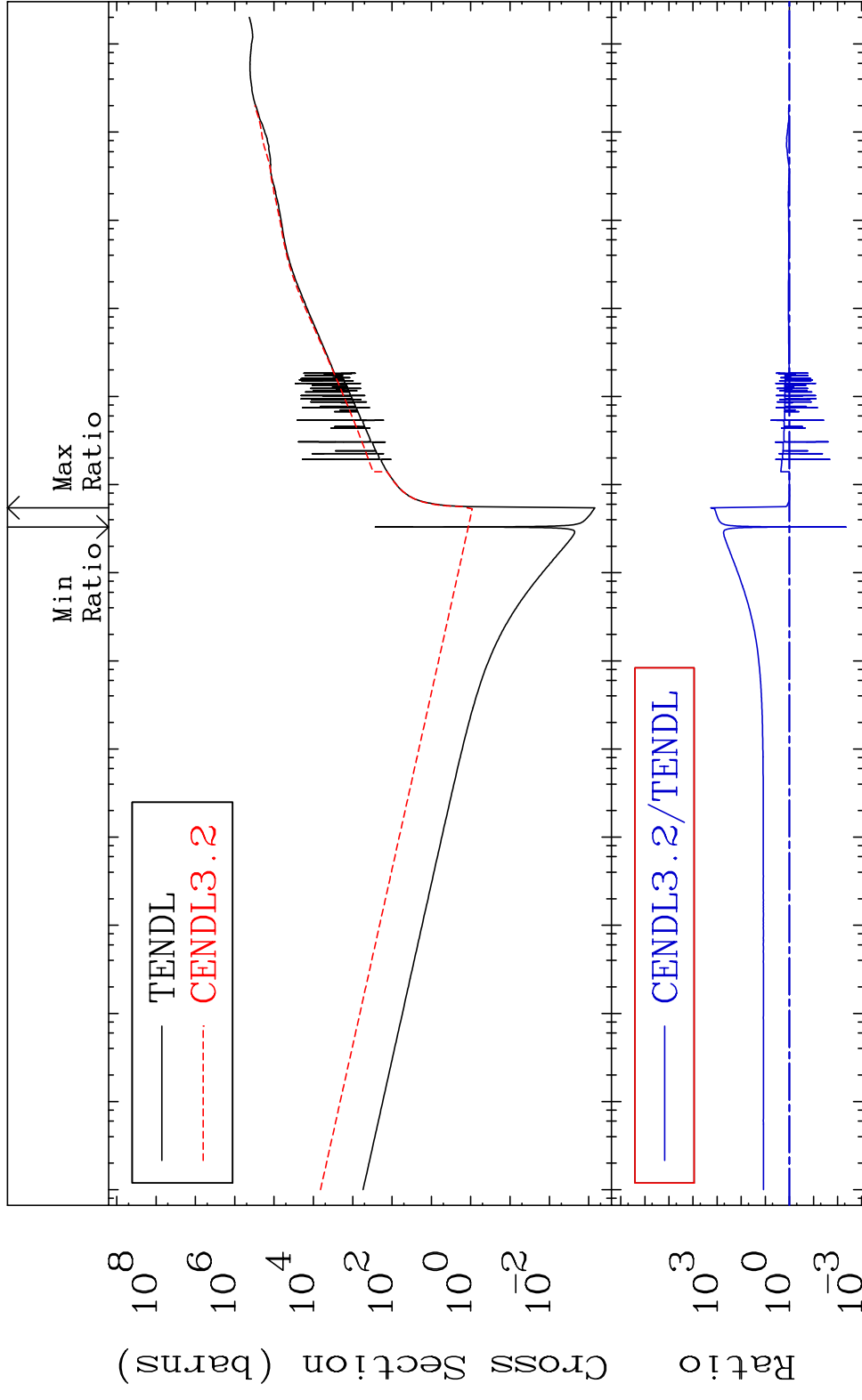


MAT 3840

Dpa total (eV-barns)

38-Sr-89

Cross Section -99.57 To 9999. %



45

Incident Energy (eV)

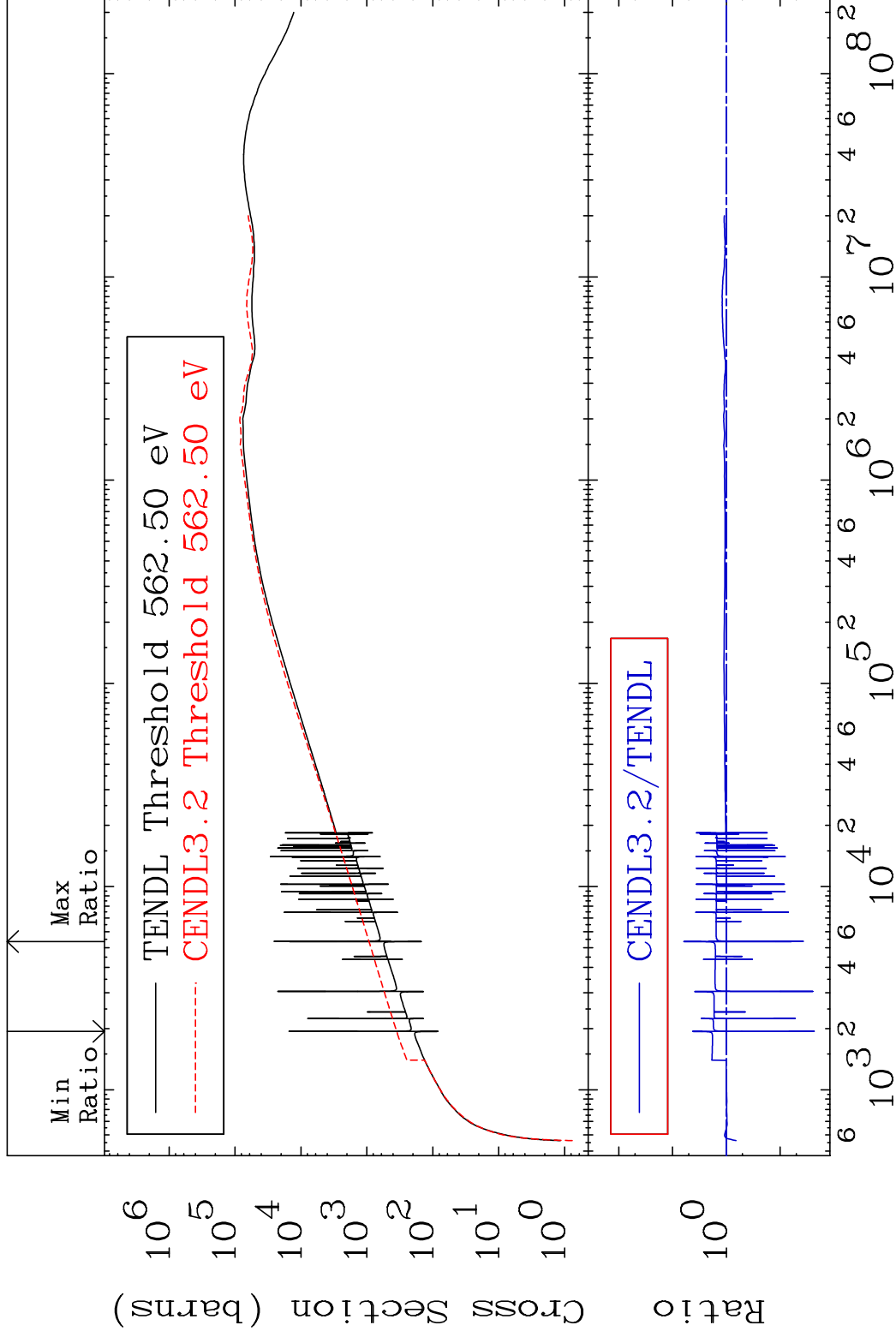
38-Sr-89

MAT 3840

Dpa elastic (mt2)

38-Sr-89

Cross Section -97.67 To 521.3 %



46

Incident Energy (eV)

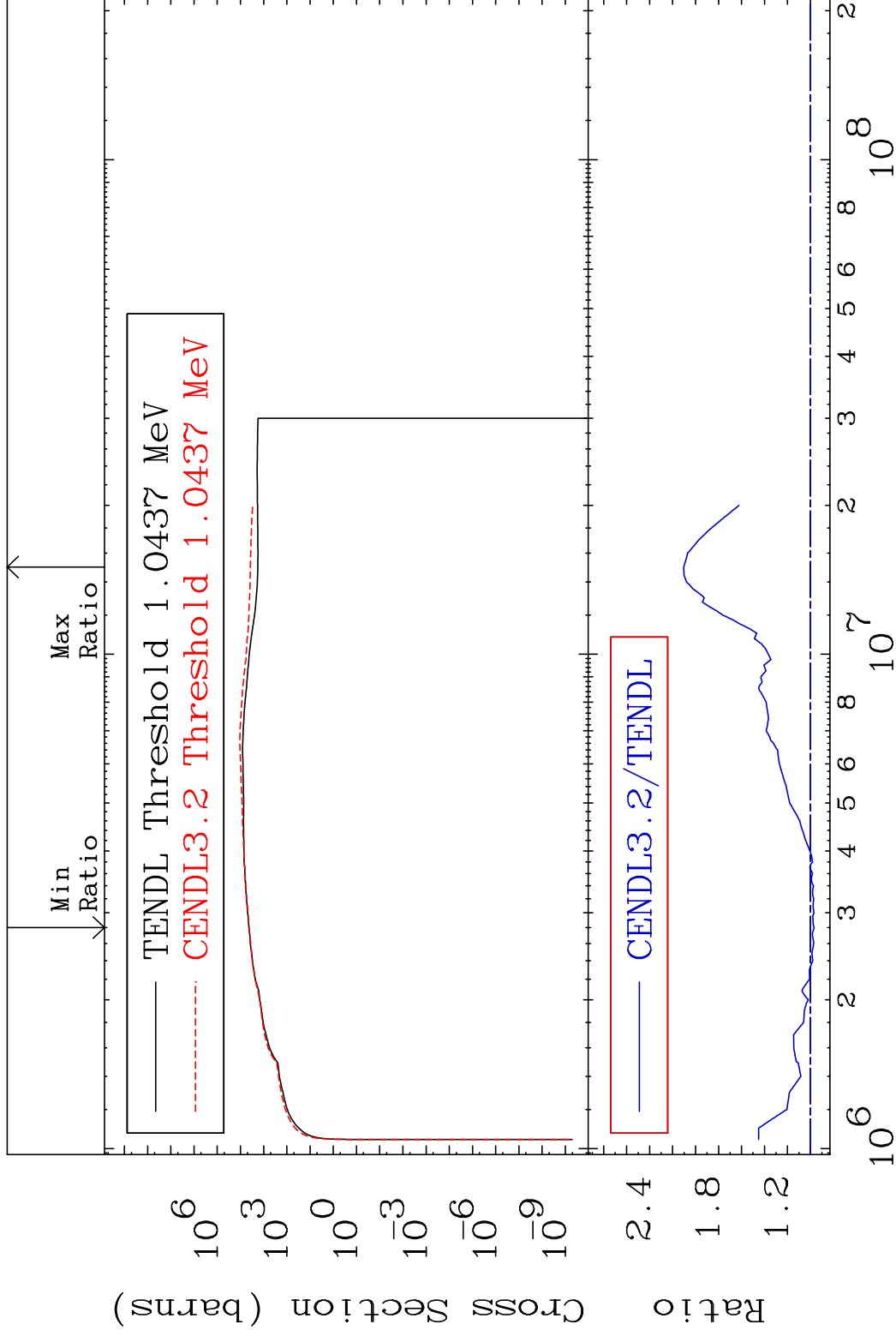
38-Sr-89

MAT 3840

Dpa inelastic (mt51-91)

38-Sr-89

Cross Section -3.183 To 110.4 %

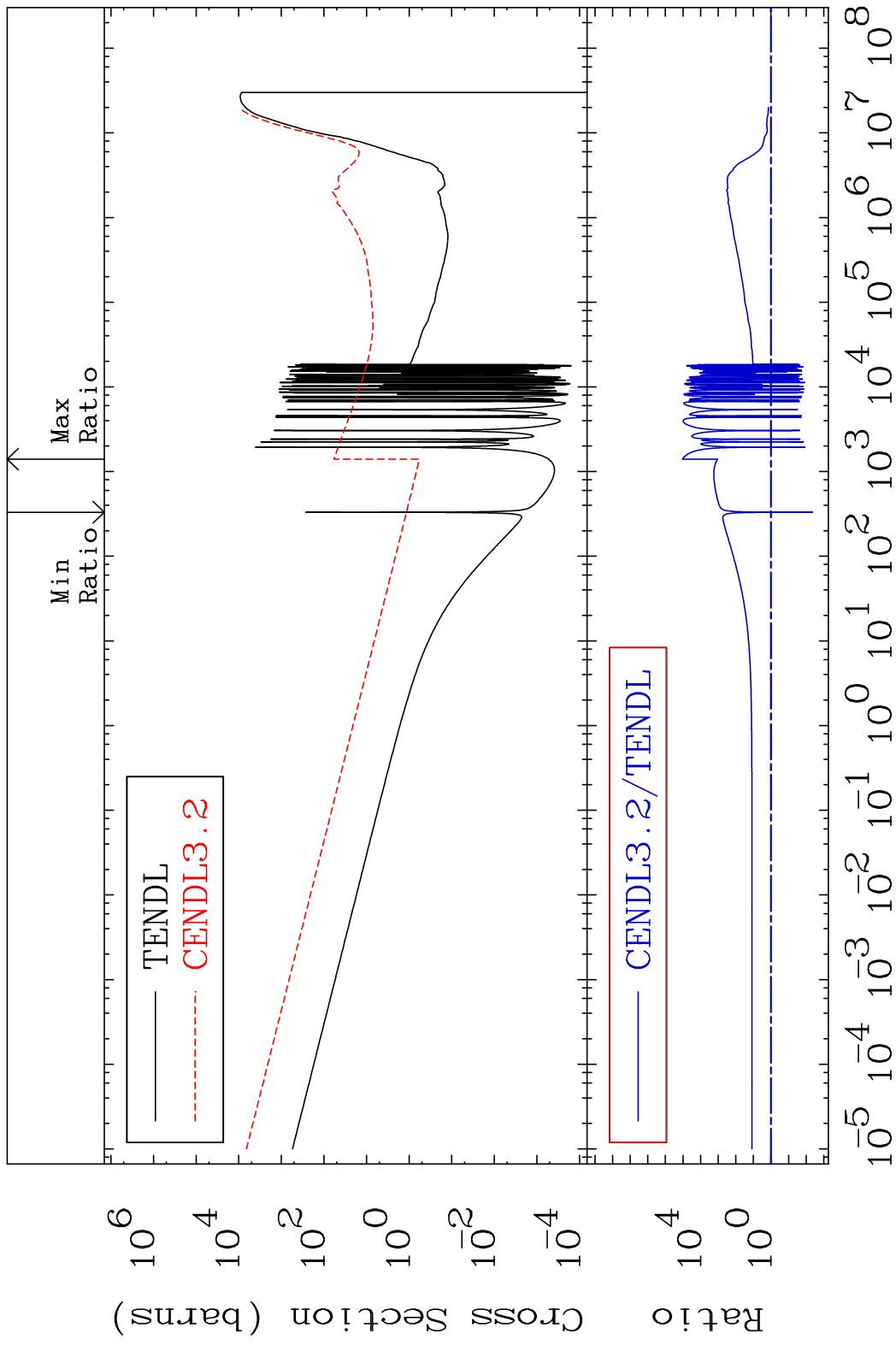


47

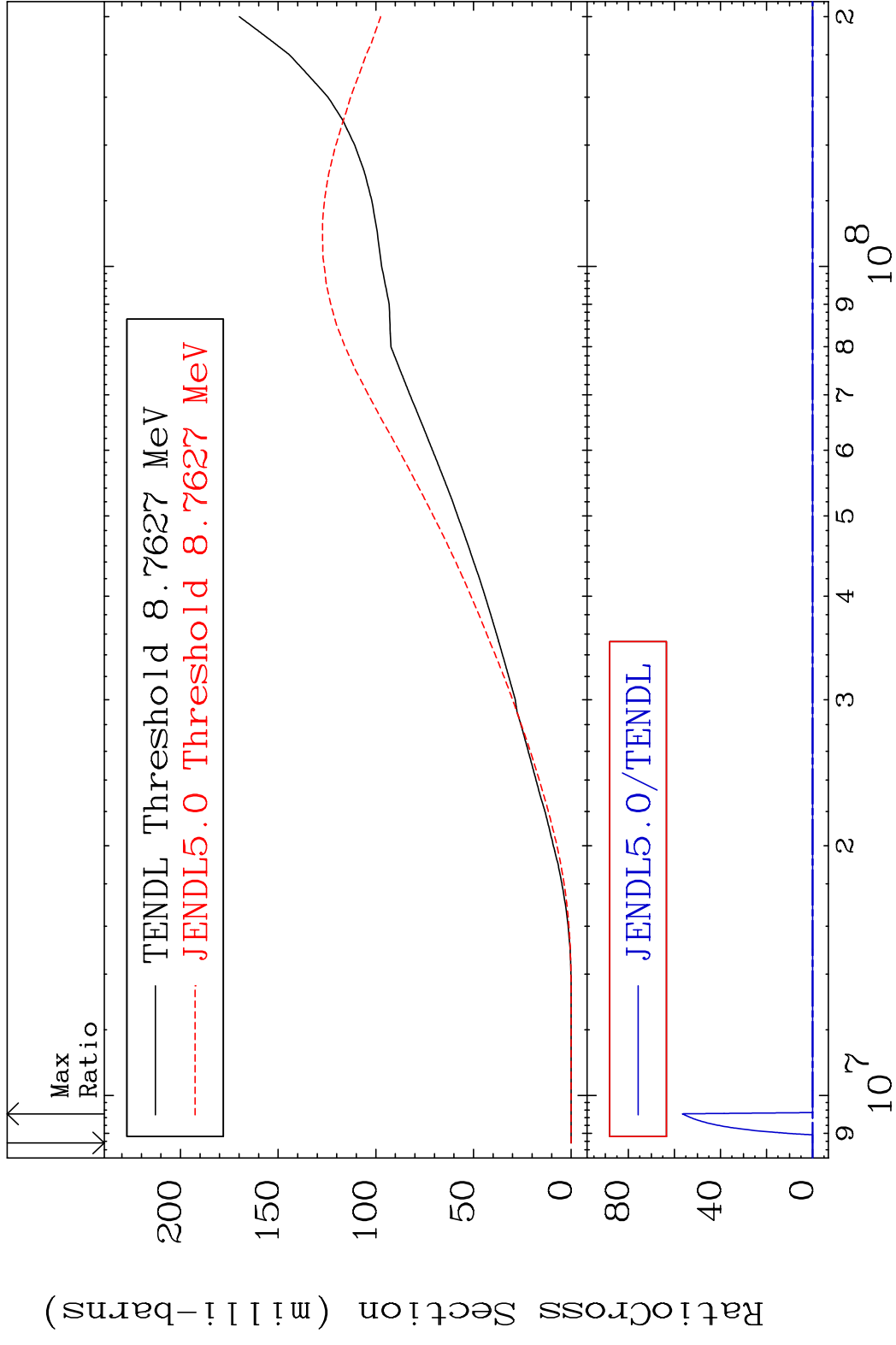
Incident Energy (eV)

38-Sr-89

MAT 3840 Dpa disappearance (mt102 -120) 38-Sr-89
 Cross Section -99.57 To 9999. %

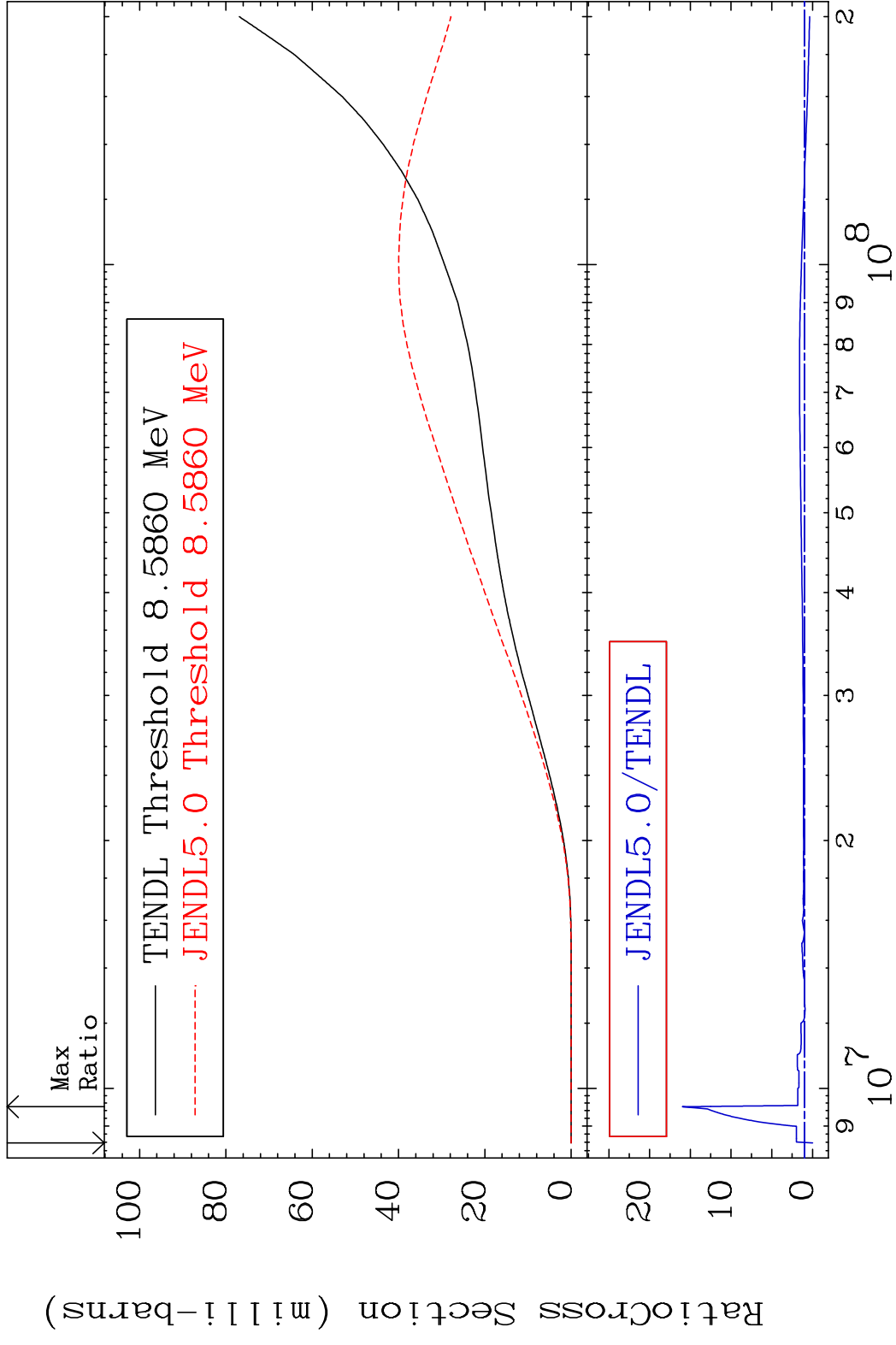


MAT 3840 Deuterium Production 38-Sr-89
 Cross Section -100.0 To 9999. %



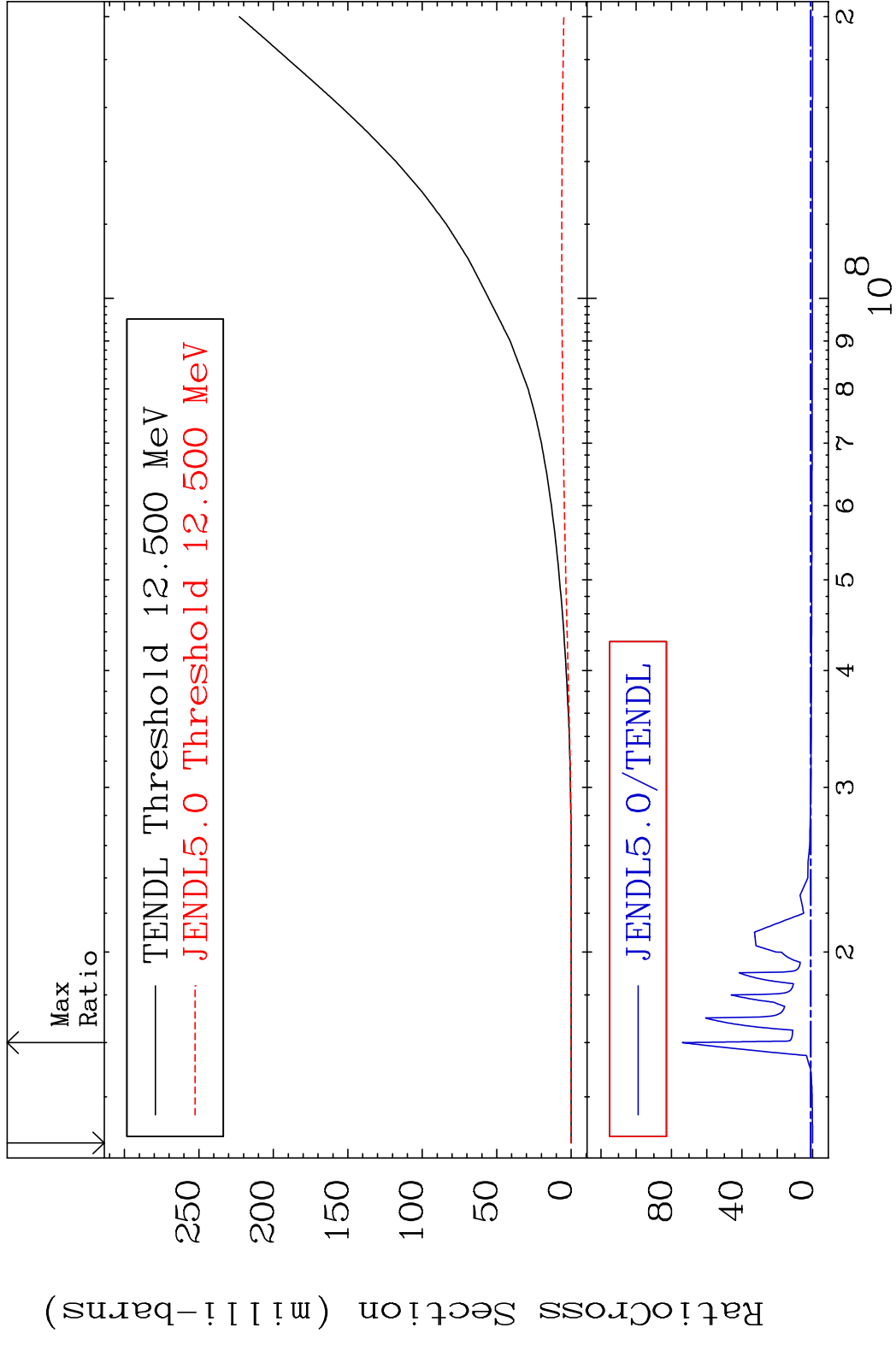
49 Incident Energy (eV) 38-Sr-89

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. %

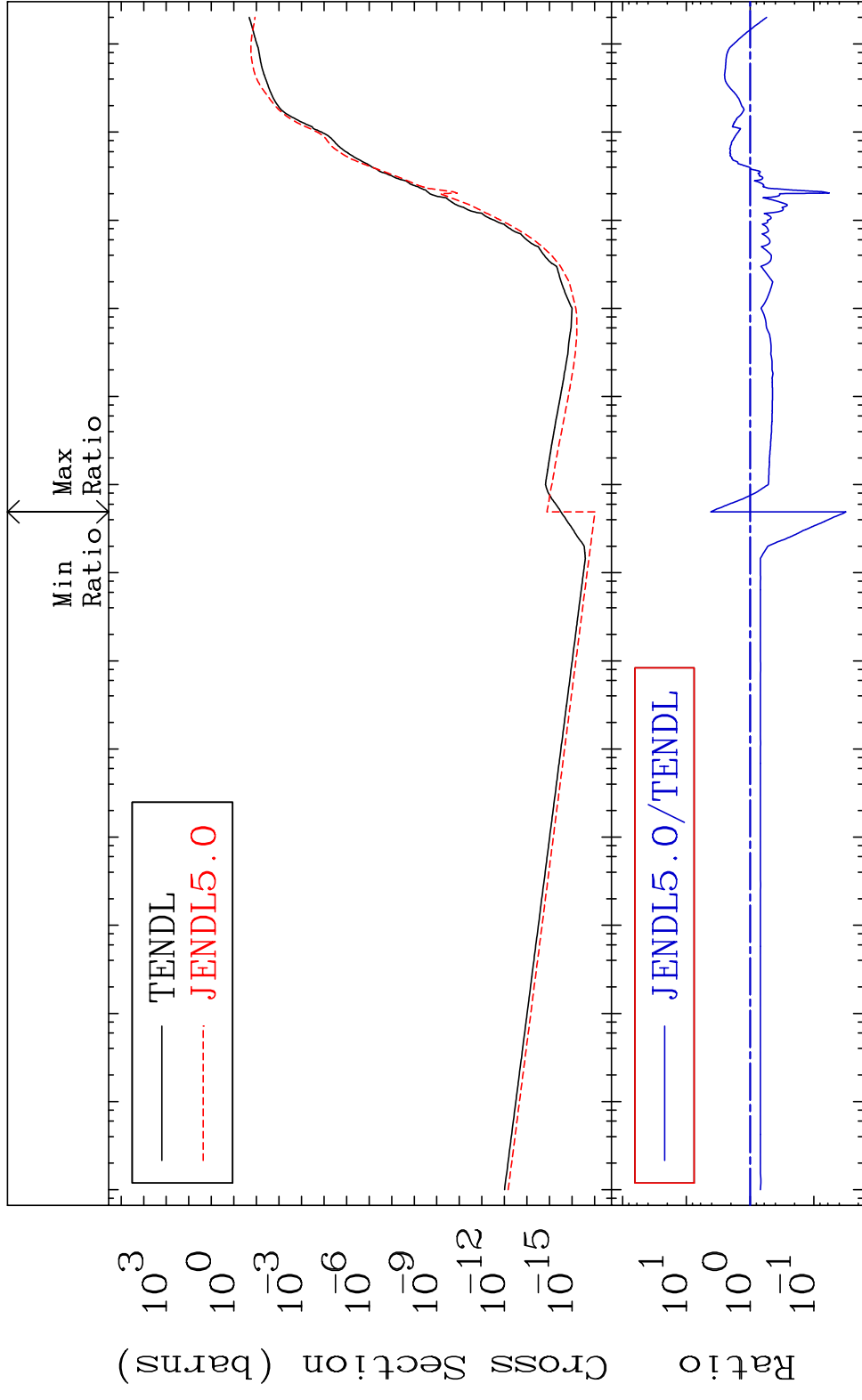


MAT 3840

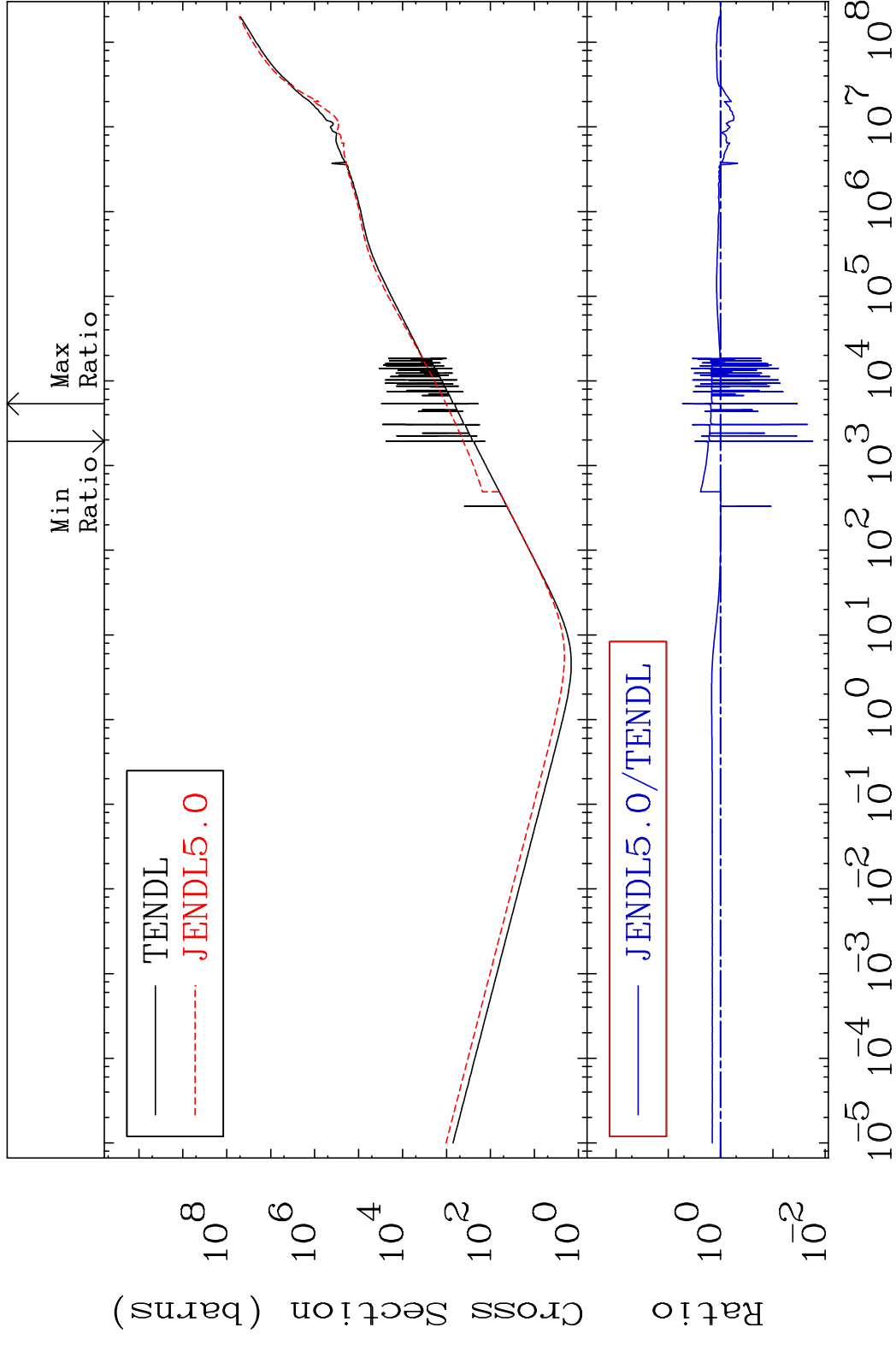
He-4 Production

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 %

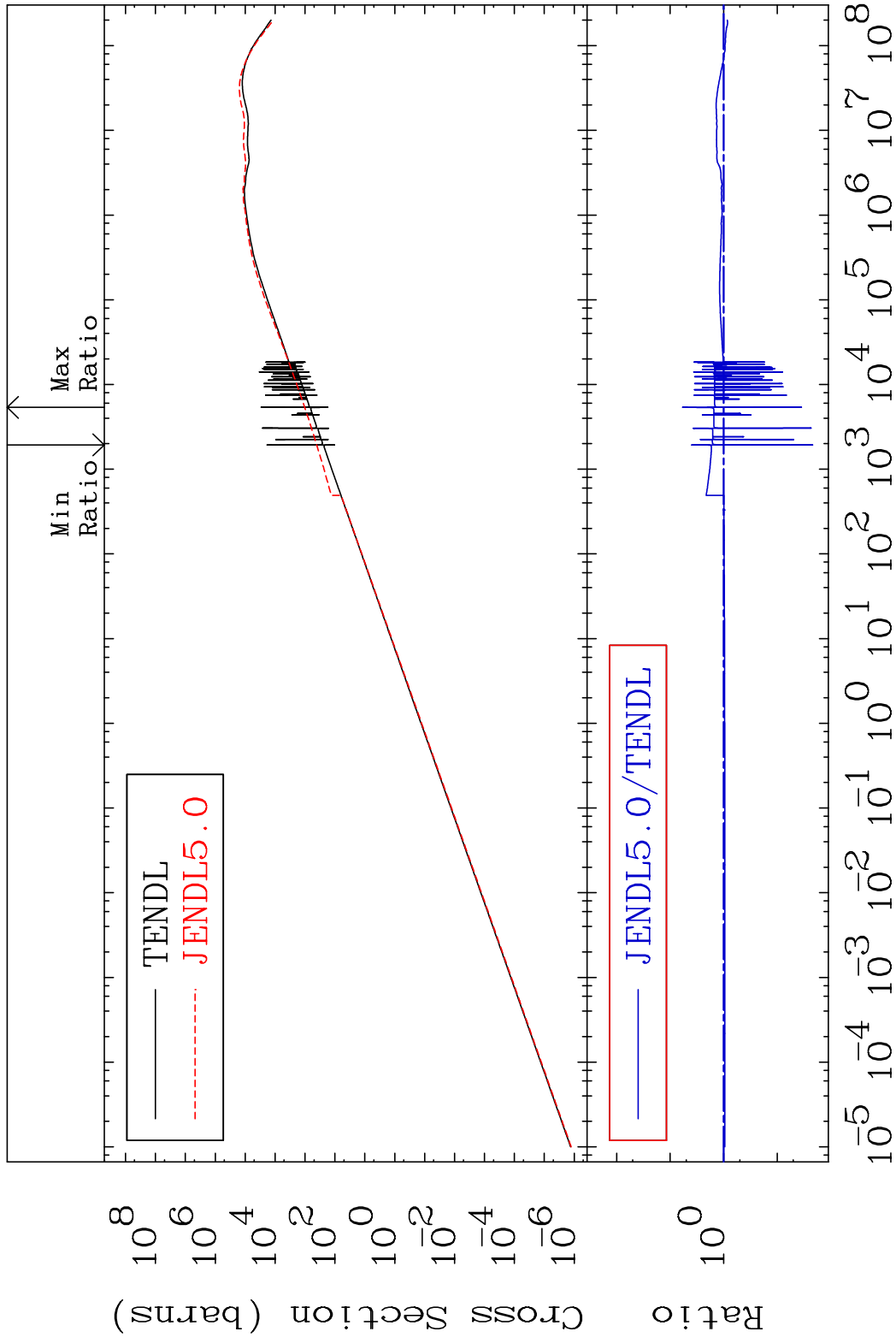


MAT 3840

Kerma elastic

38-Sr-89

Cross Section -97.82 To 491.3 %

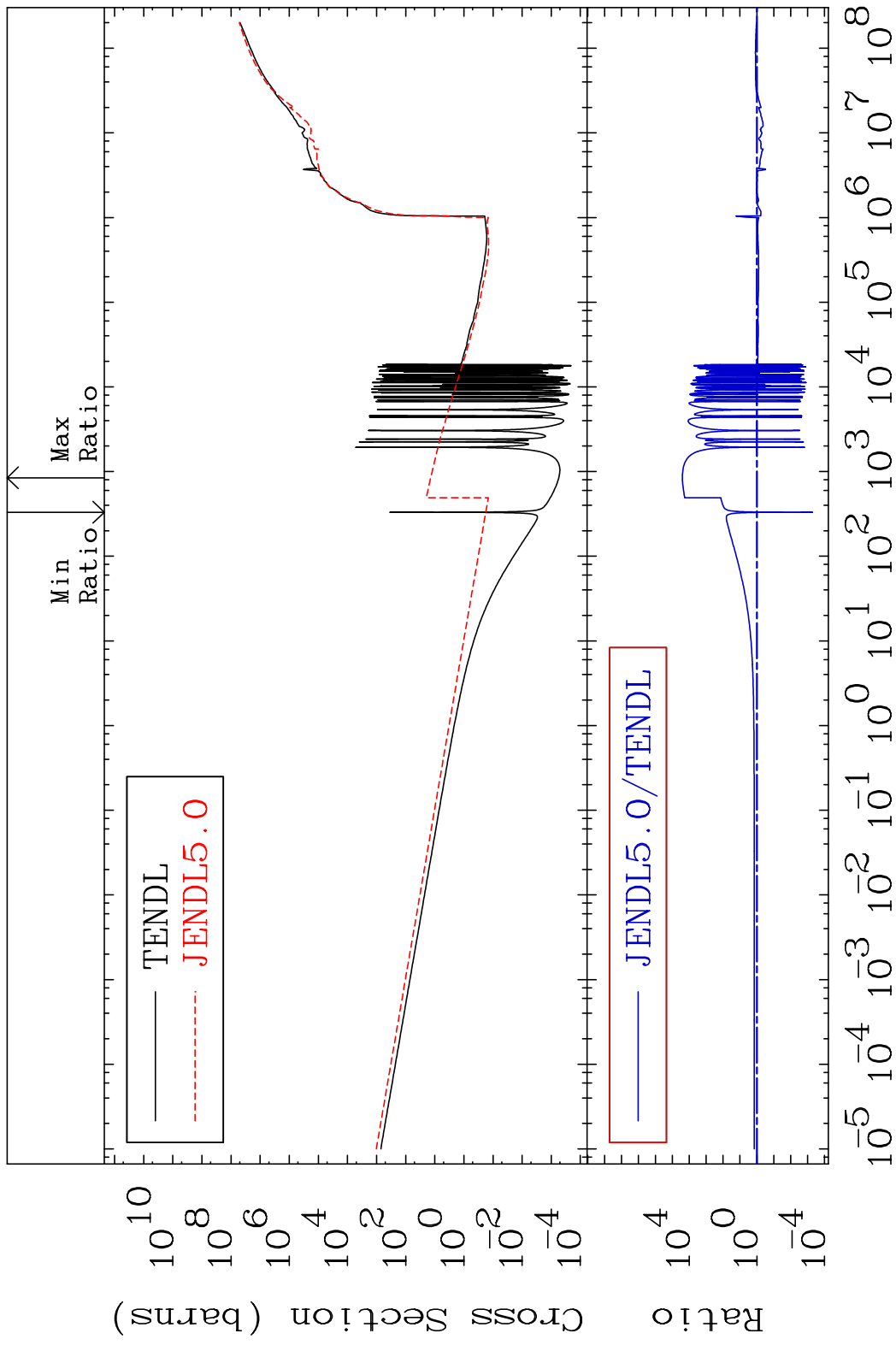


54

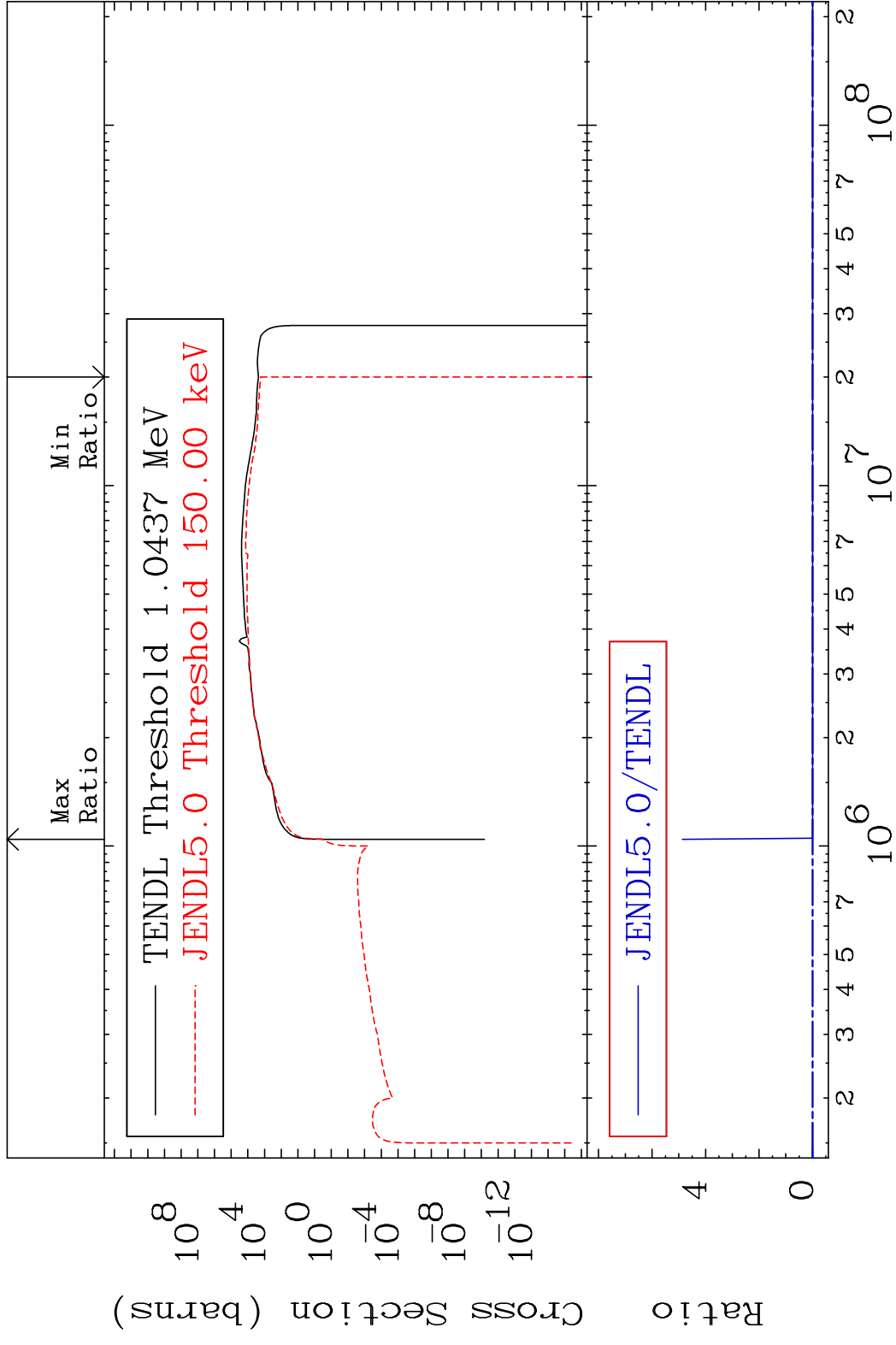
Incident Energy (eV)

38-Sr-89

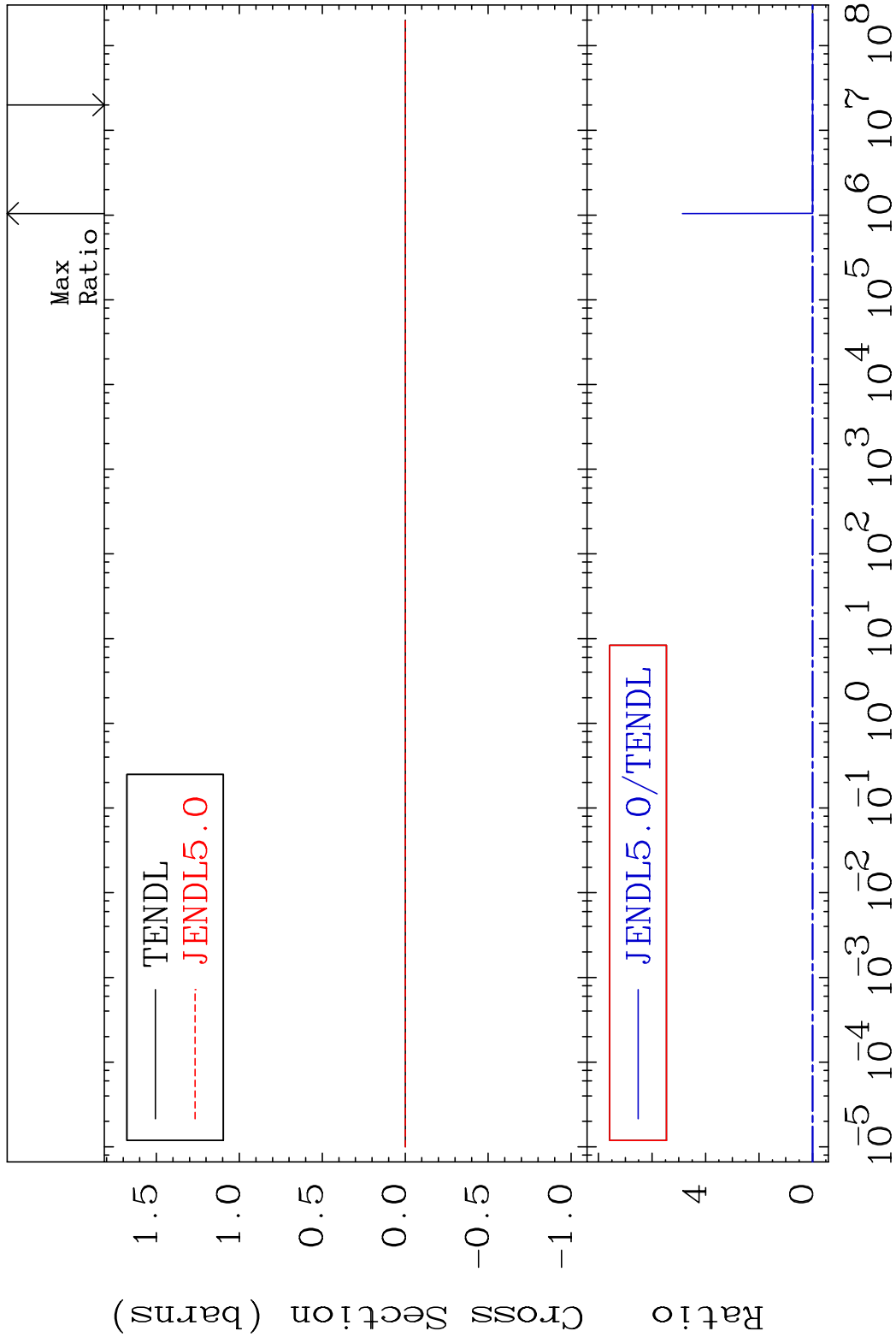
MAT 3840 Kerma non-elastic (all but mt2) 38-Sr-89
 Cross Section -99.95 To 9999. %



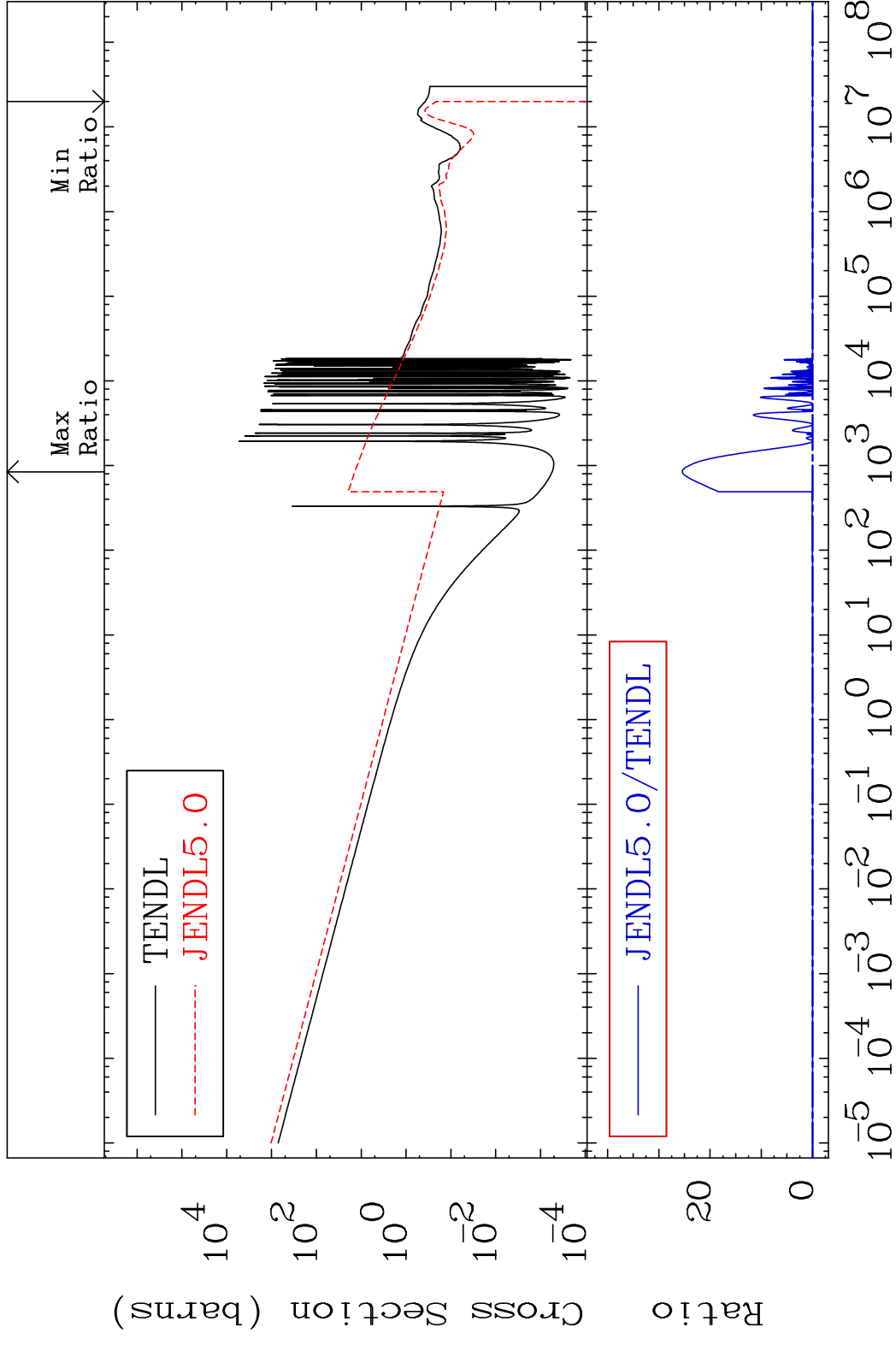
MAT 3840 Kerma inelastic (mt51-91) 38-Sr-89
 Cross Section -100.0 To 9999. %



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

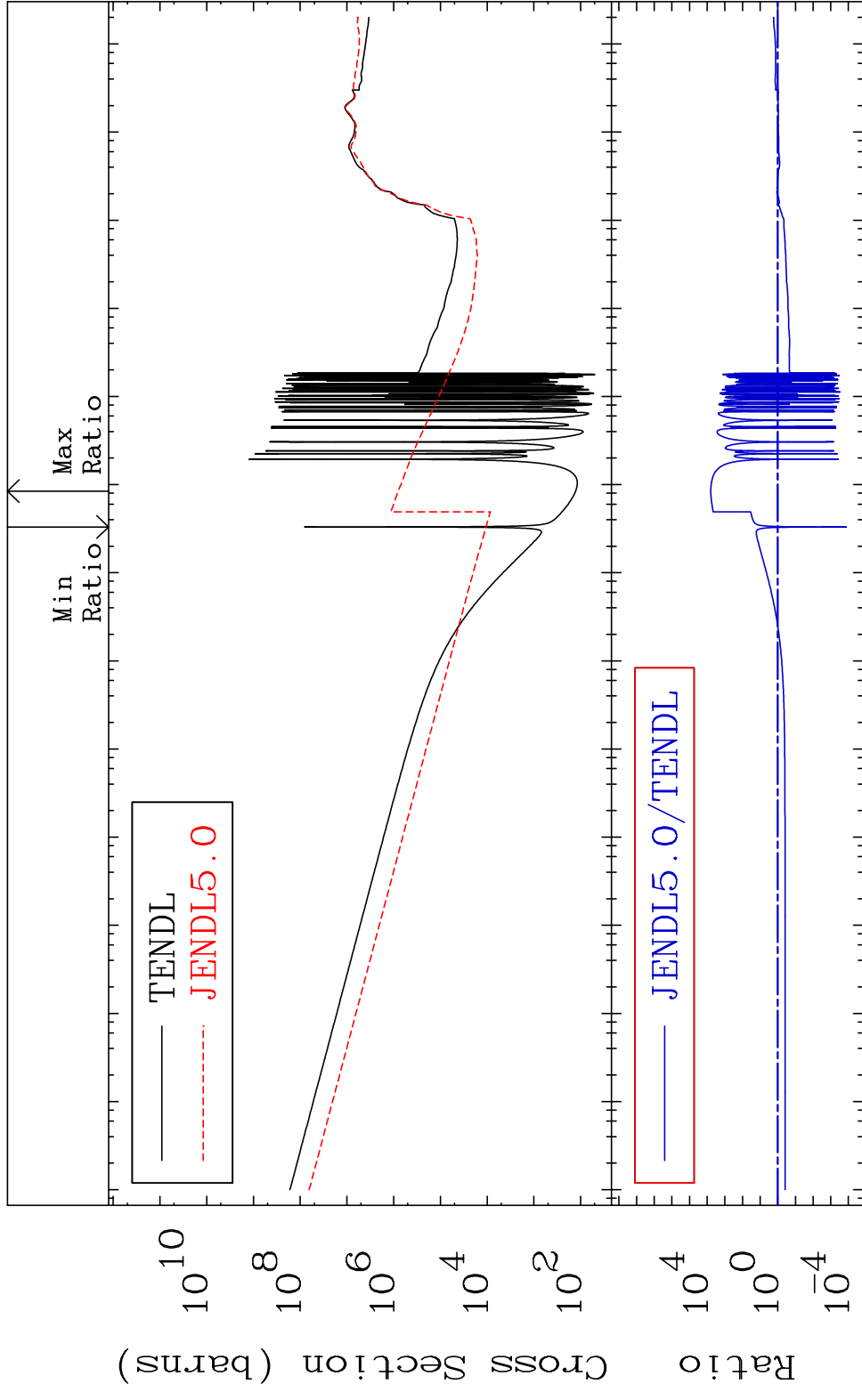


MAT 3840 Kerma capture (mt102) 38-Sr-89
 Cross Section -100.0 To 9999. %



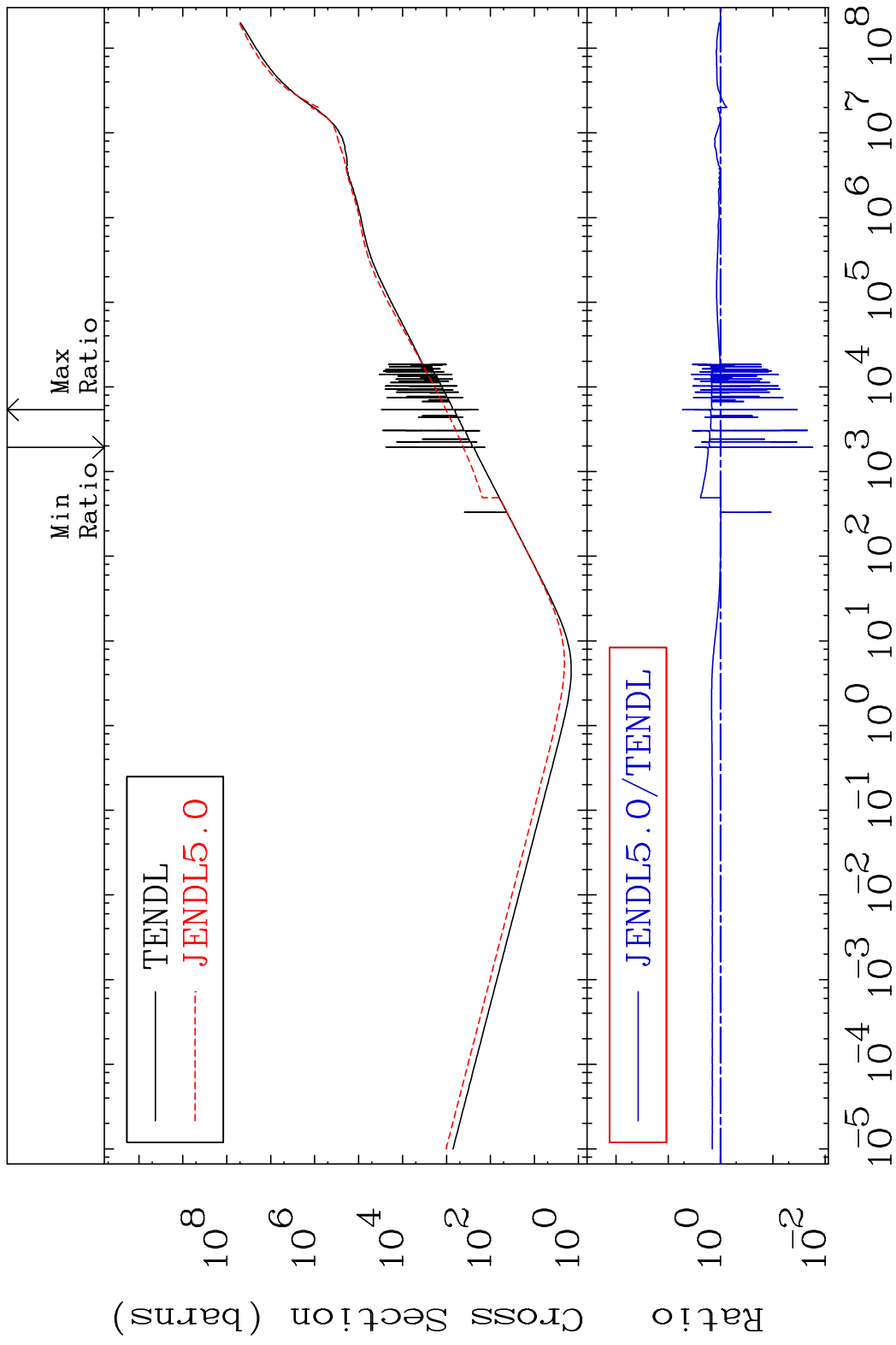
58 Incident Energy (eV) 38-Sr-89

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)

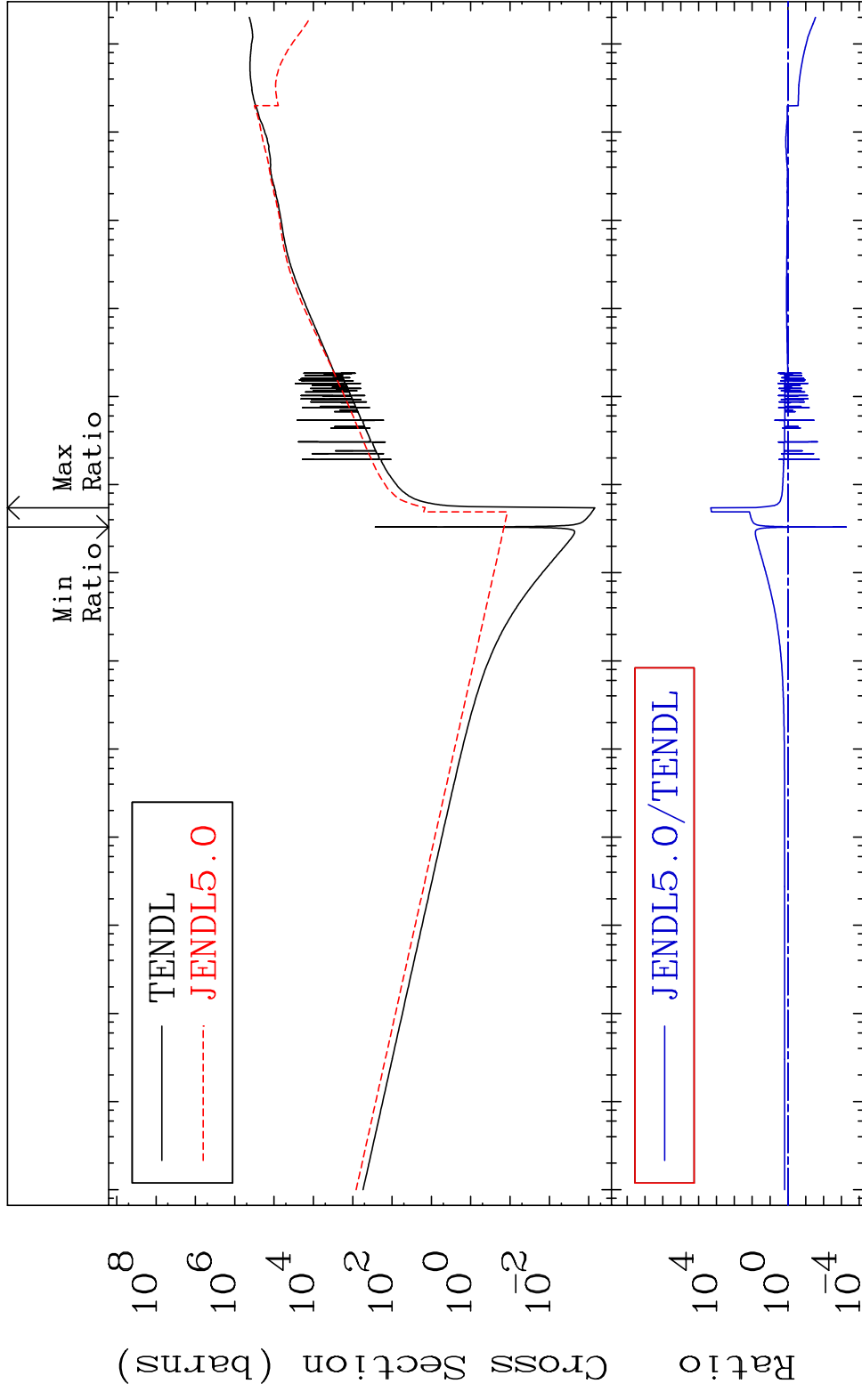
38-Sr-89

MAT 3840

Dpa total (eV-barns)

38-Sr-89

Cross Section -99.95 To 9999. %



61

Incident Energy (eV)

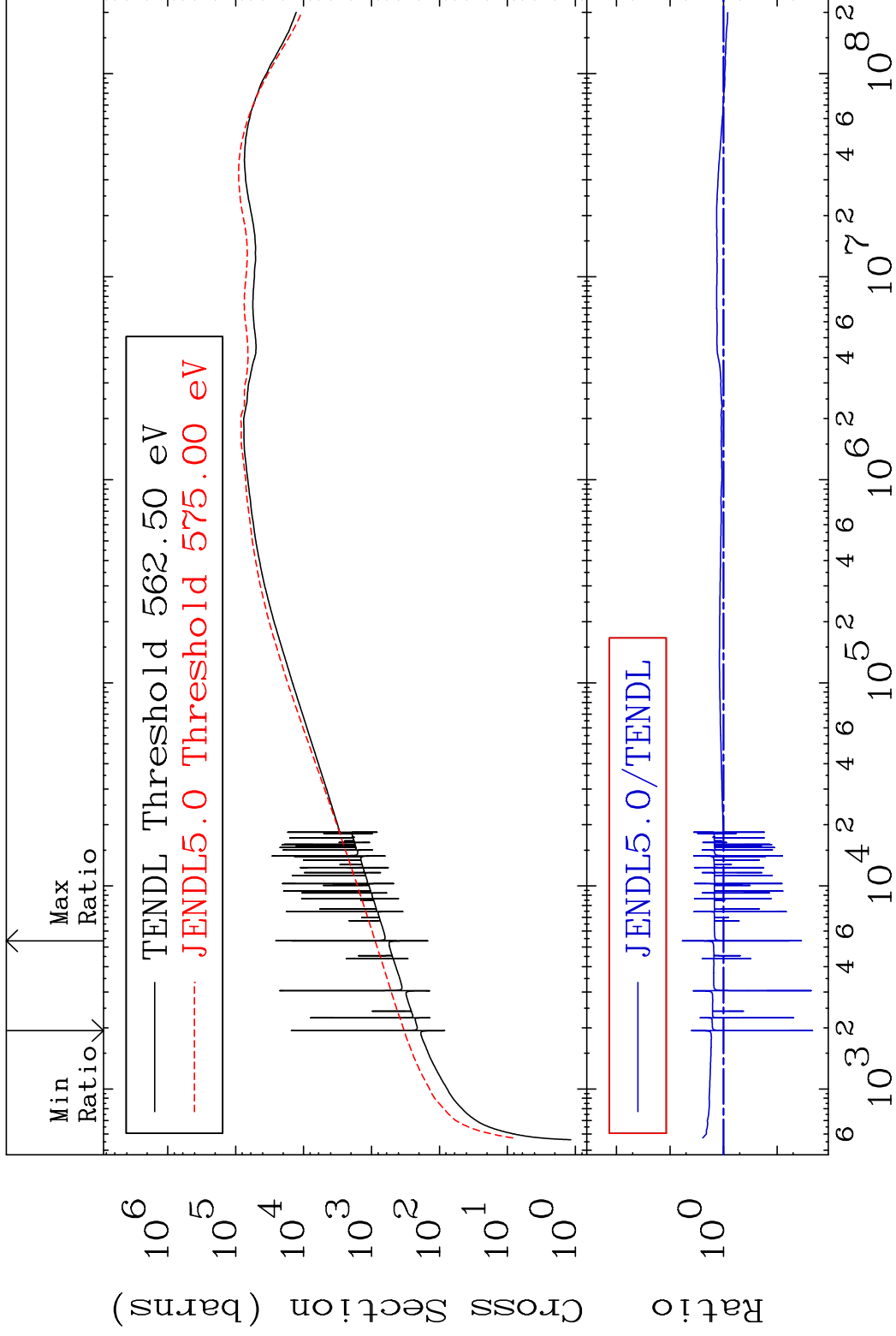
38-Sr-89

MAT 3840

Dpa elastic (mt2)

38-Sr-89

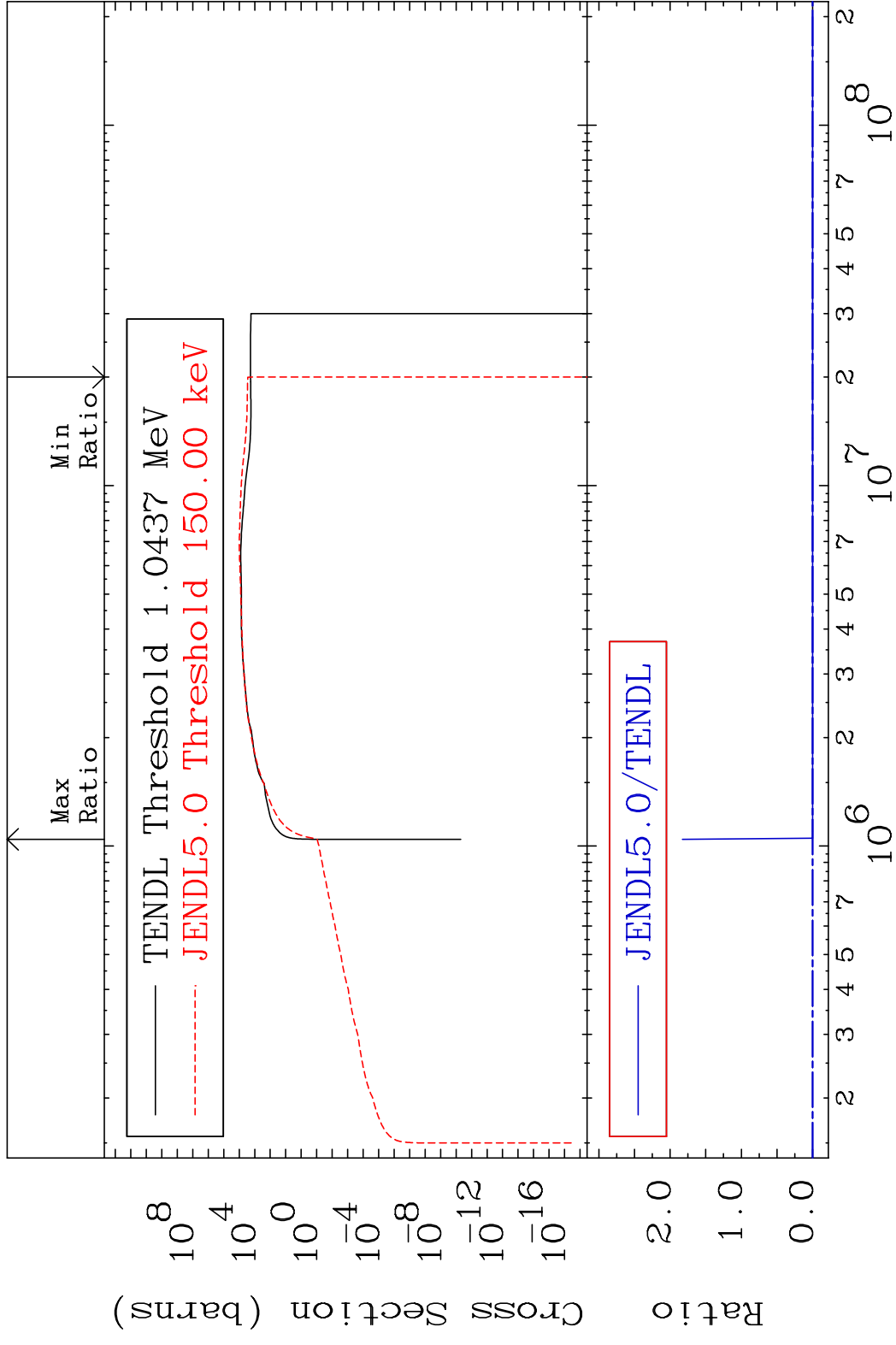
Cross Section -97.82 To 492.5 %



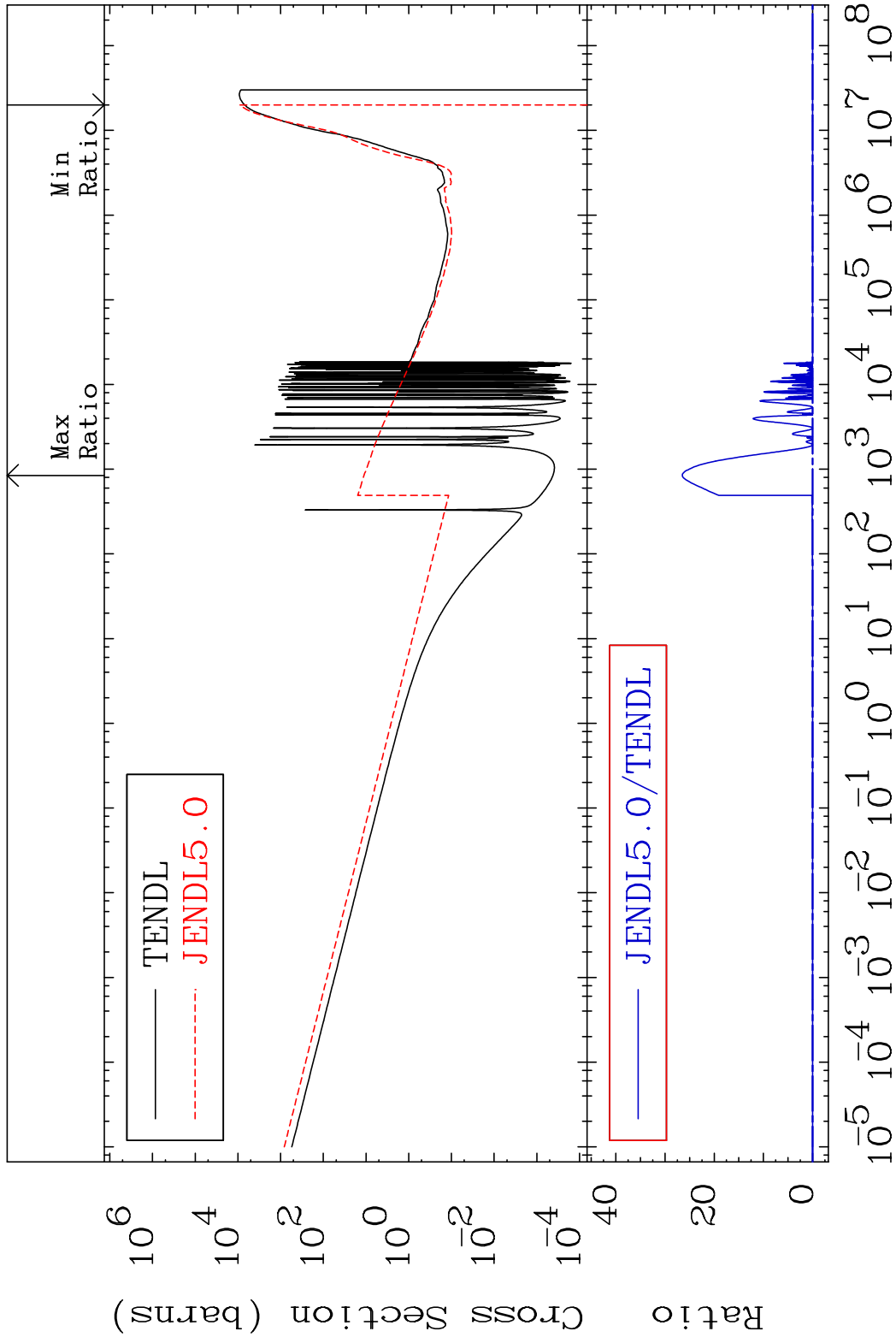
62

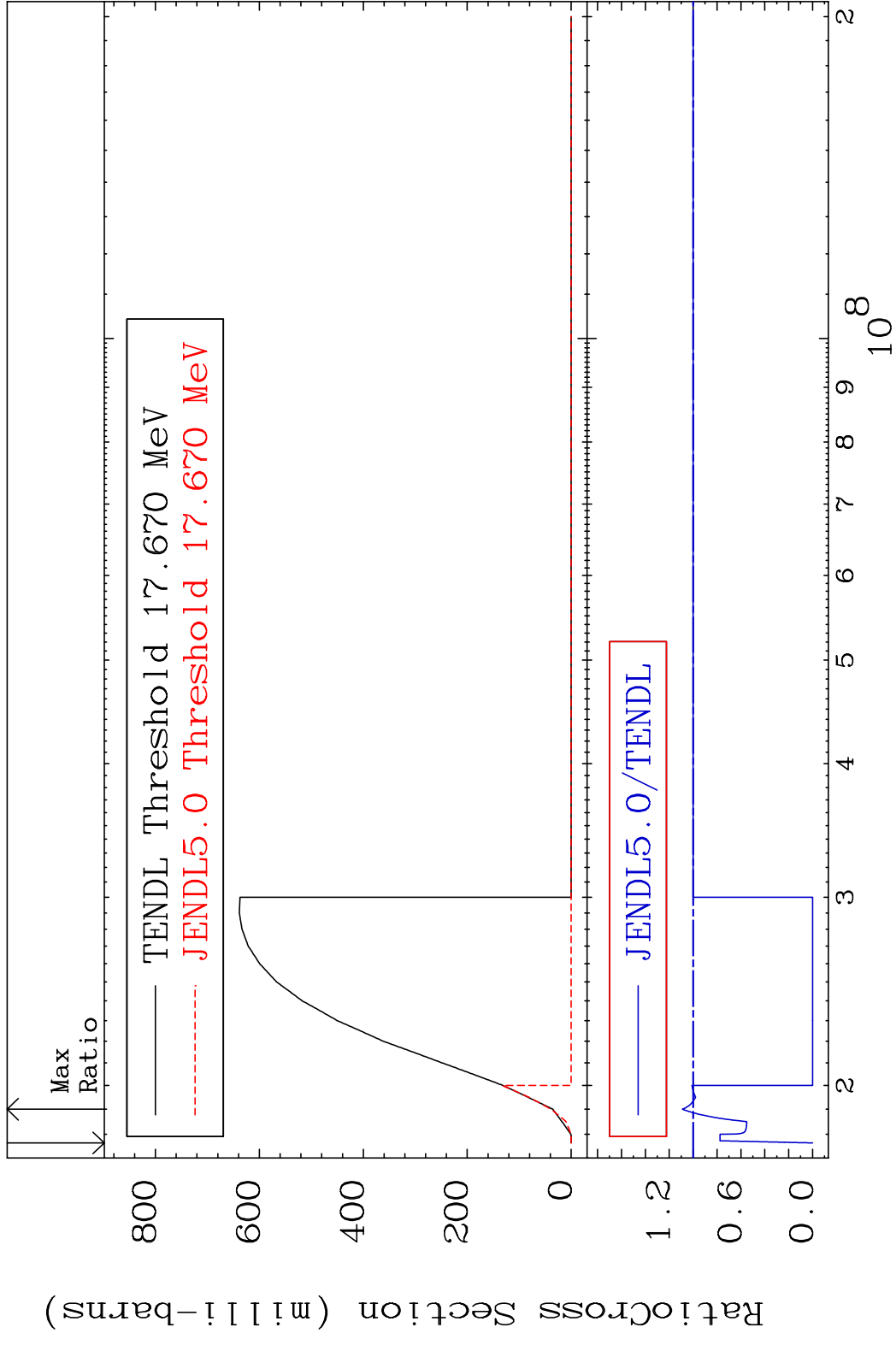
Incident Energy (eV)

38-Sr-89

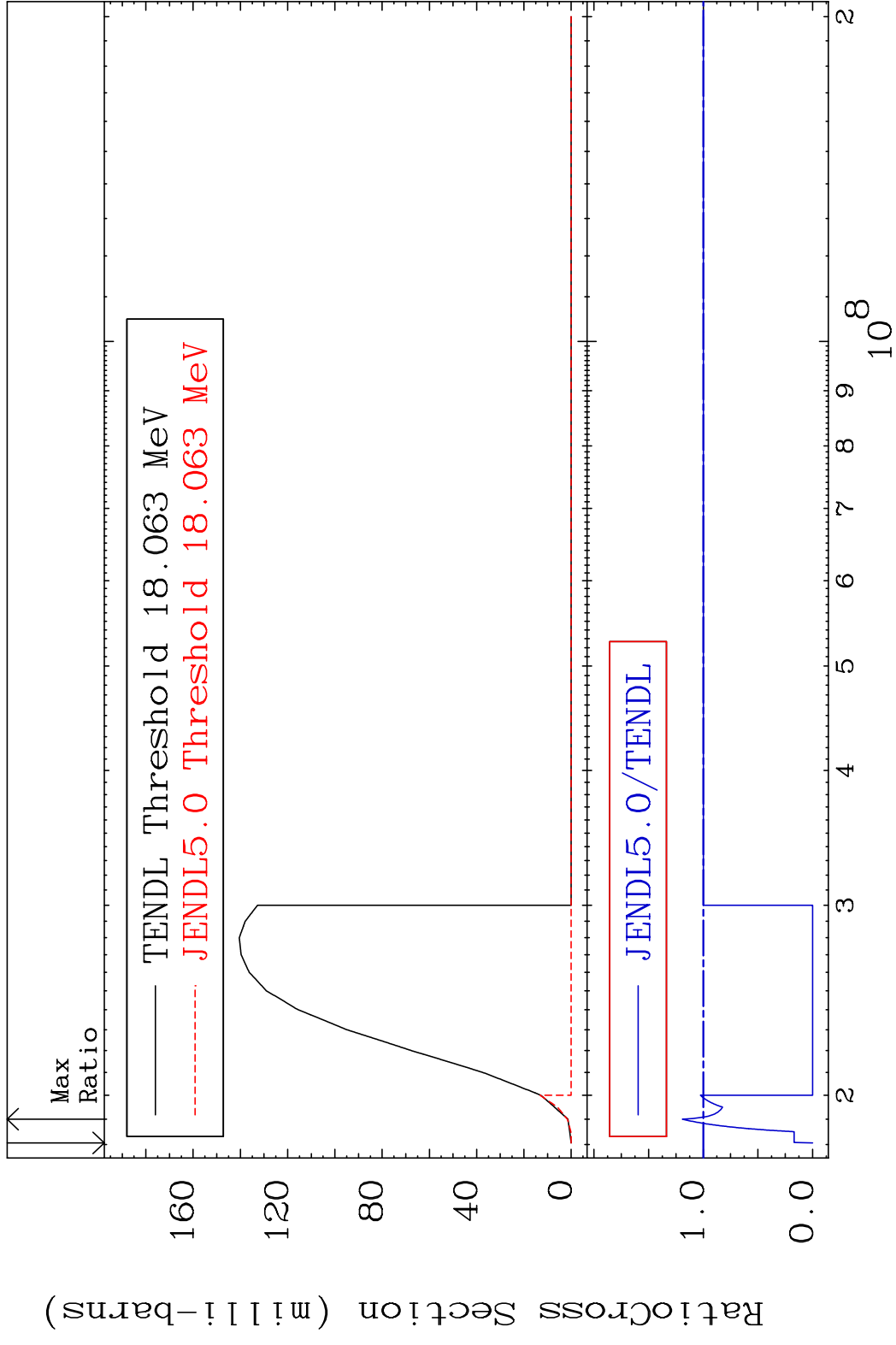


MAT 3840 Dpa disappearance (mt102 -120) 38-Sr-89
 Cross Section -100.0 To 9999. %

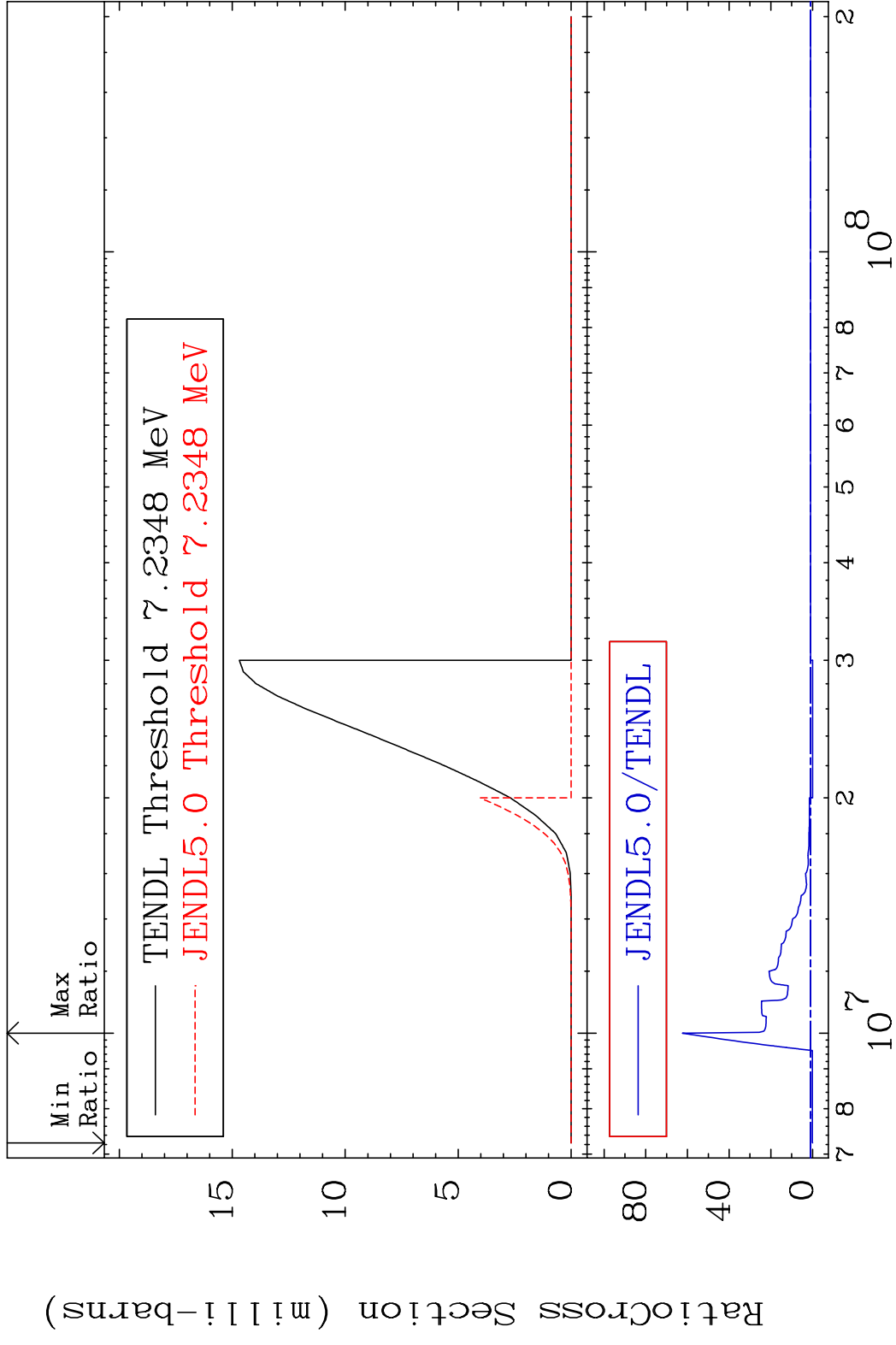




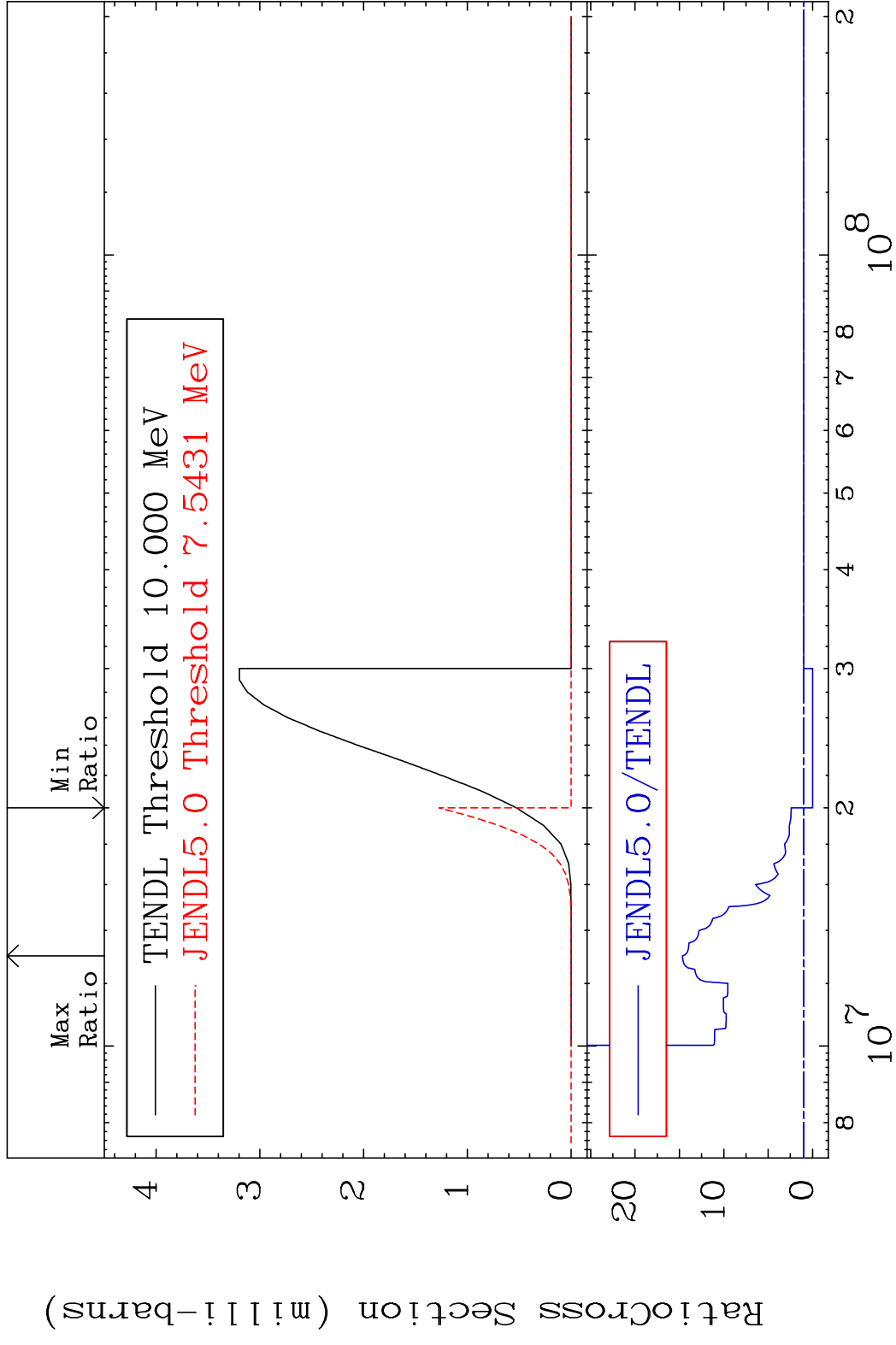
MAT 3840 (n,3n):38-Sr-87m1 38-Sr-89
 Radionuclide Production Cross Section Ratio 19.13 %



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

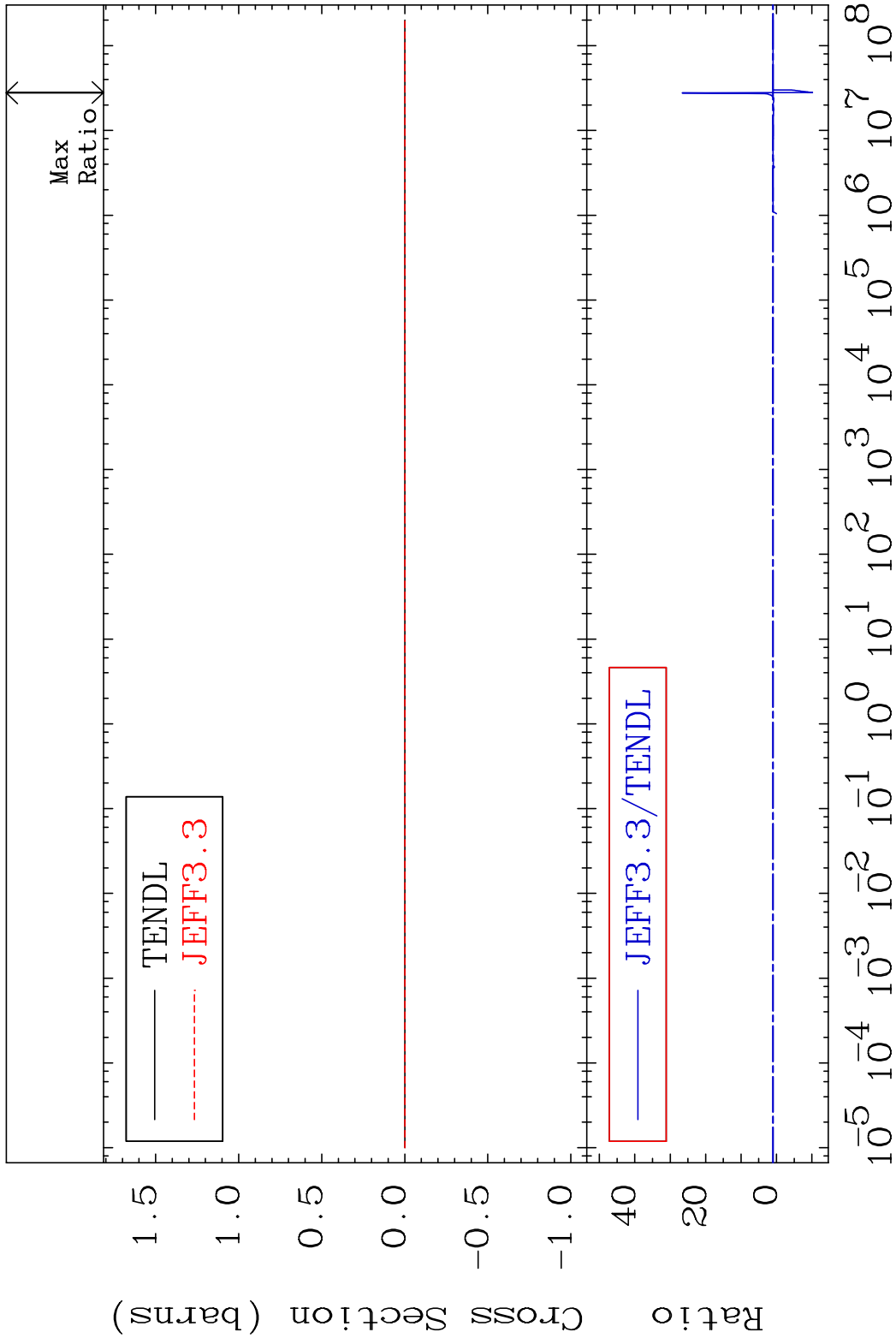


MAT 3840 (n, n') α :36-Kr-85m1 38-Sr-89
 Radionuclide Production Cross Section 1367. %



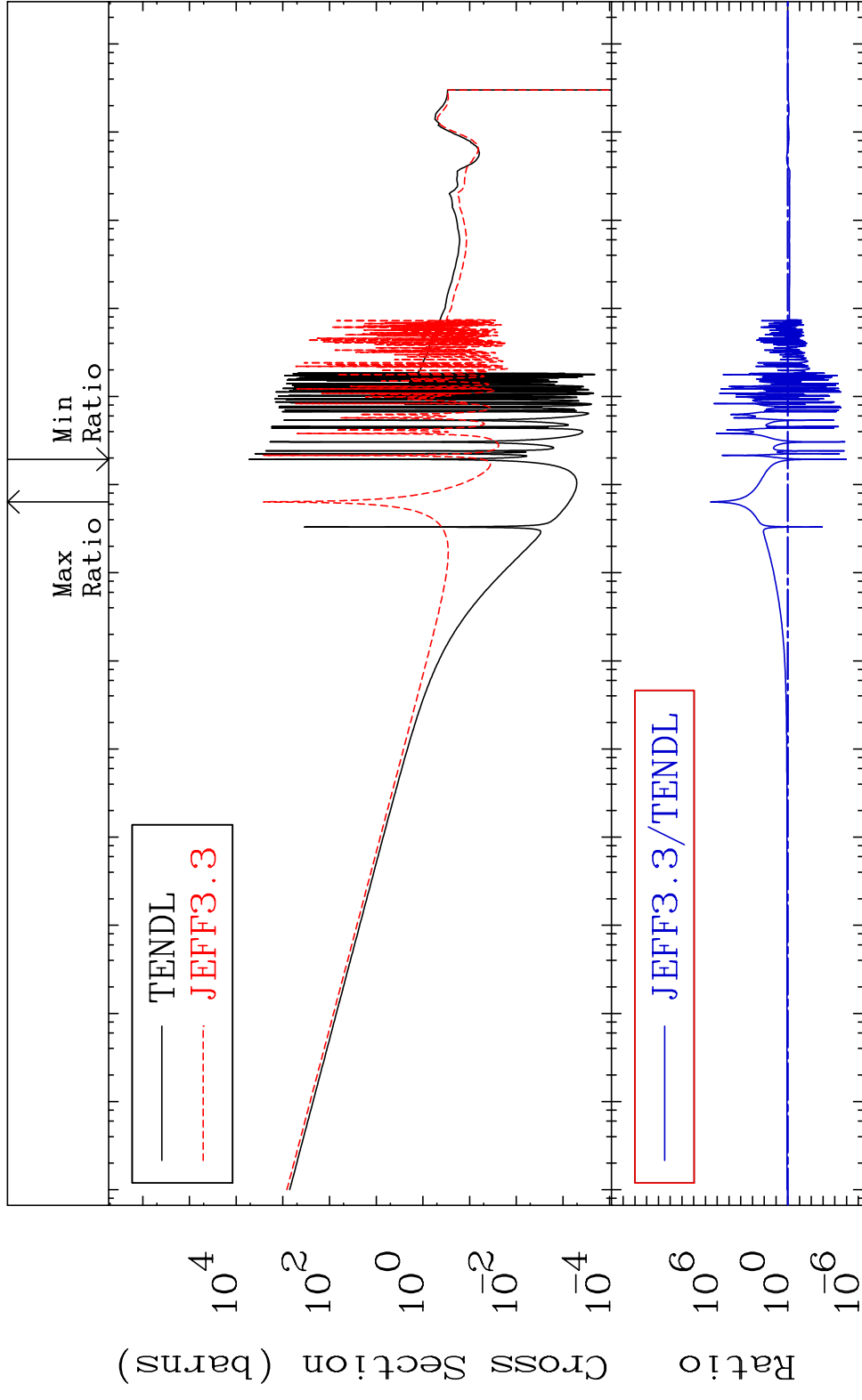
68 Incident Energy (eV) 38-Sr-89

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. %

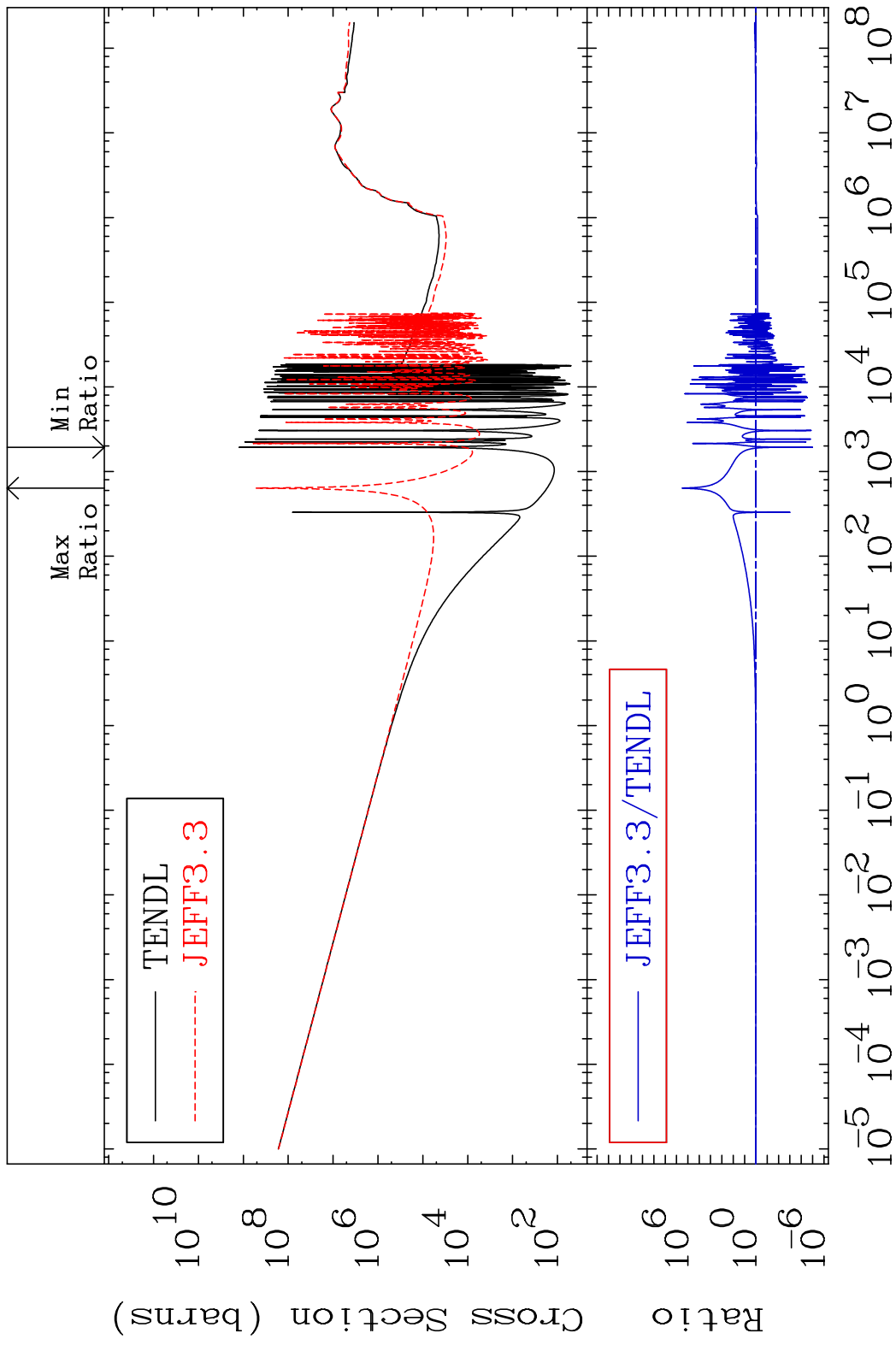


70

Incident Energy (eV)

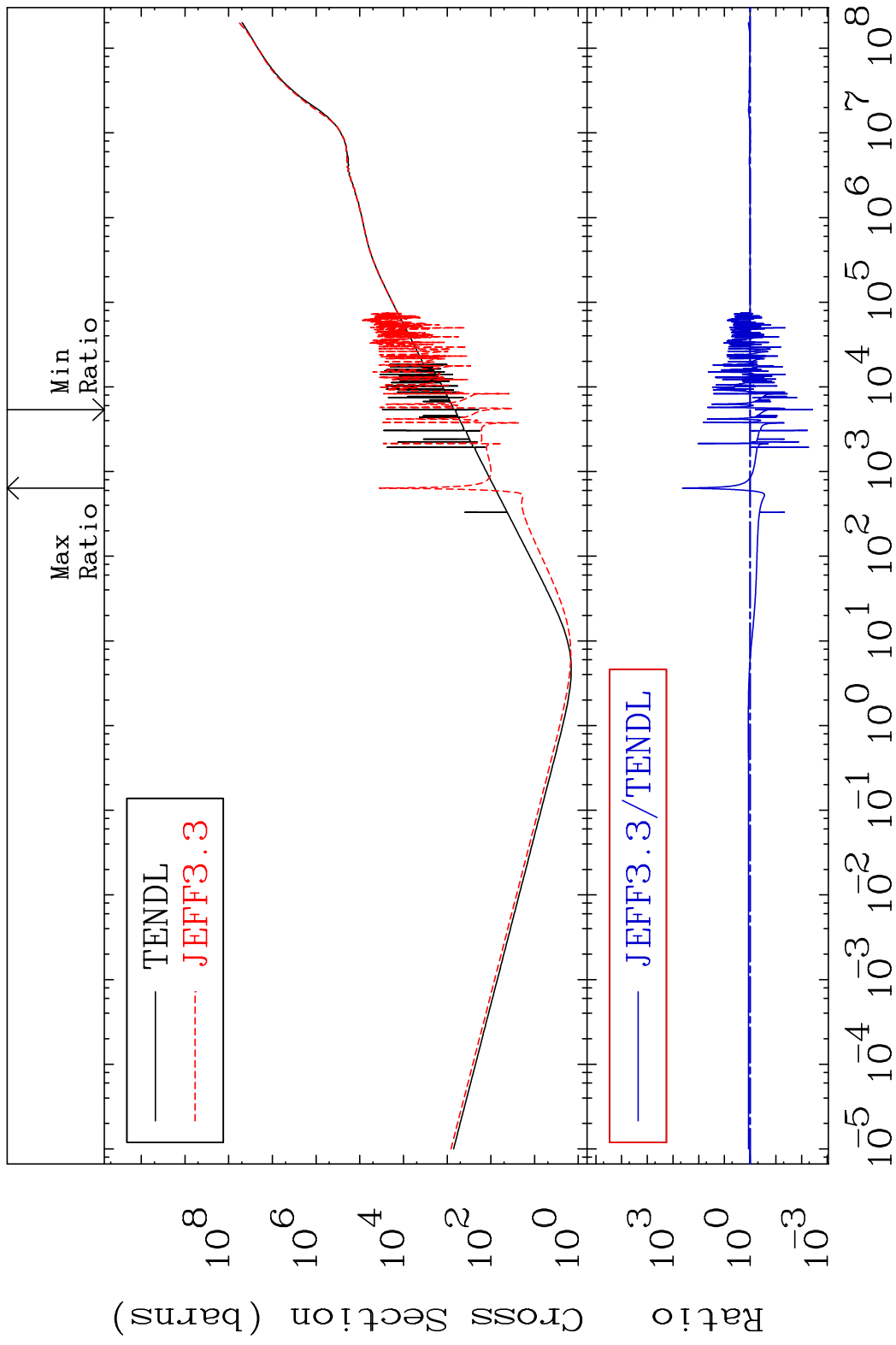
38-Sr-89

MAT 3840 Total photon (eV-barns) 38-Sr-89
 Cross Section -100.0 To 9999. %

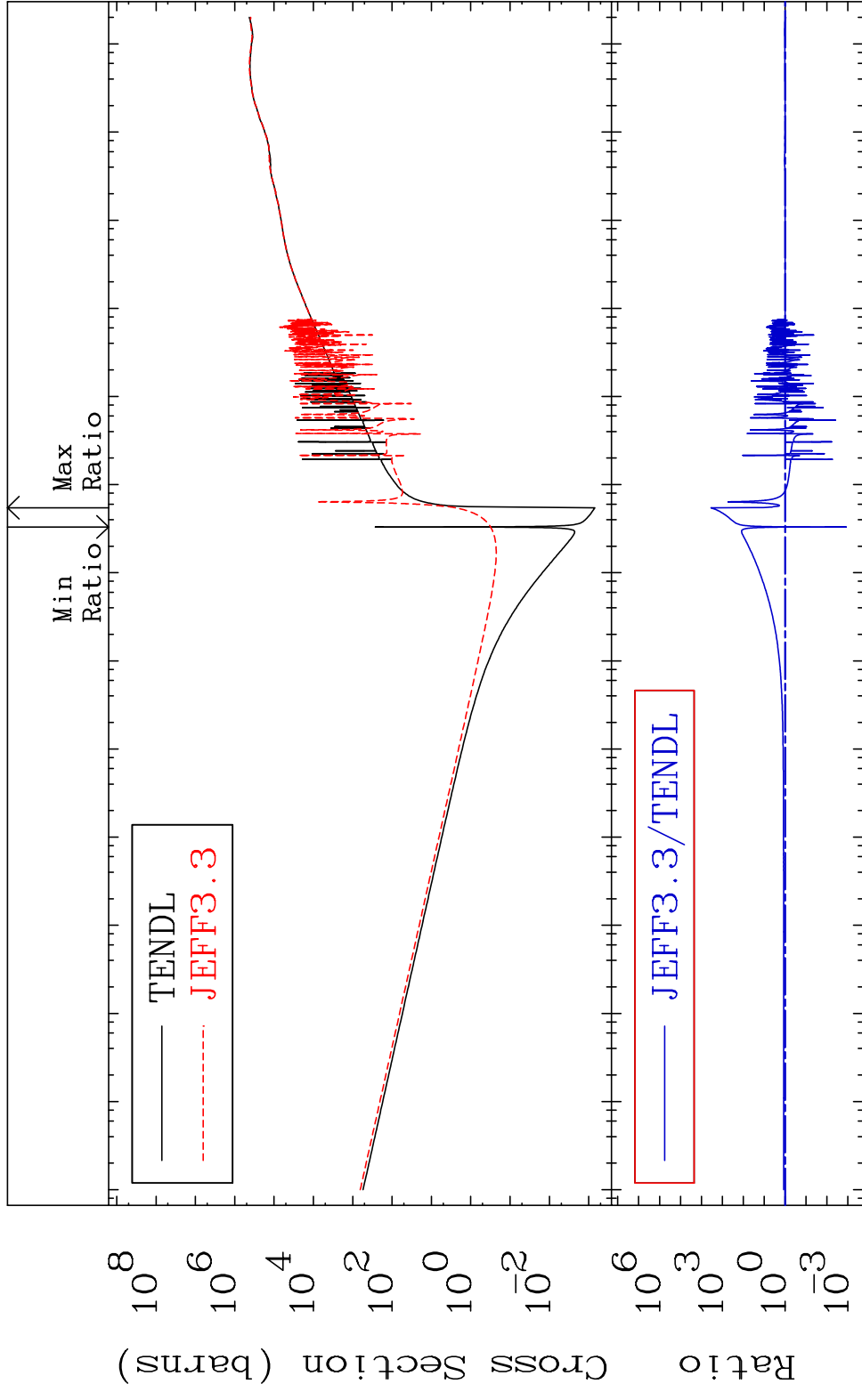


71 Incident Energy (eV) 38-Sr-89

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. %



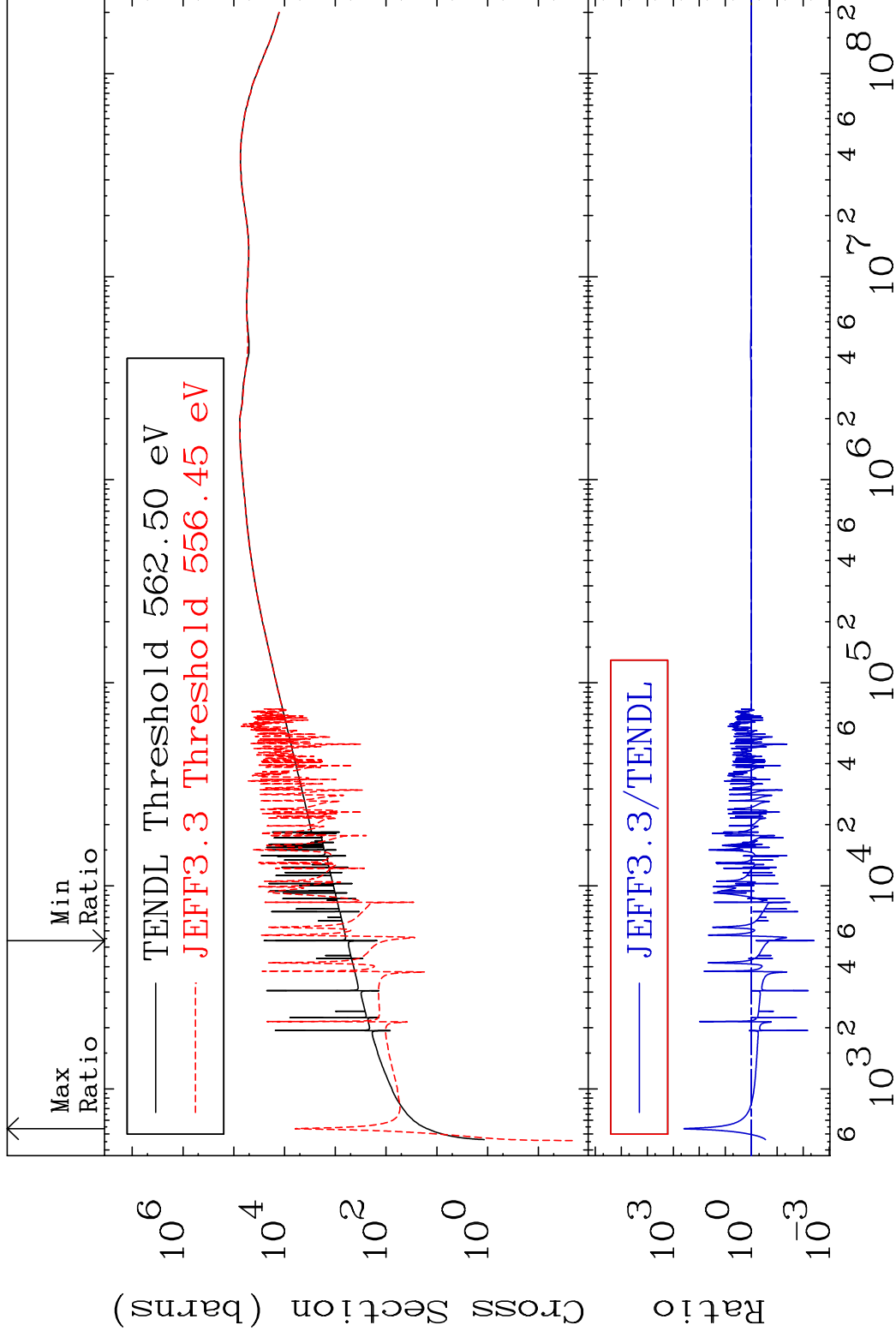
73 Incident Energy (eV) 38-Sr-89

MAT 3840

Dpa elastic (mt2)

38-Sr-89

Cross Section -99.62 To 9999. %



74

Incident Energy (eV)

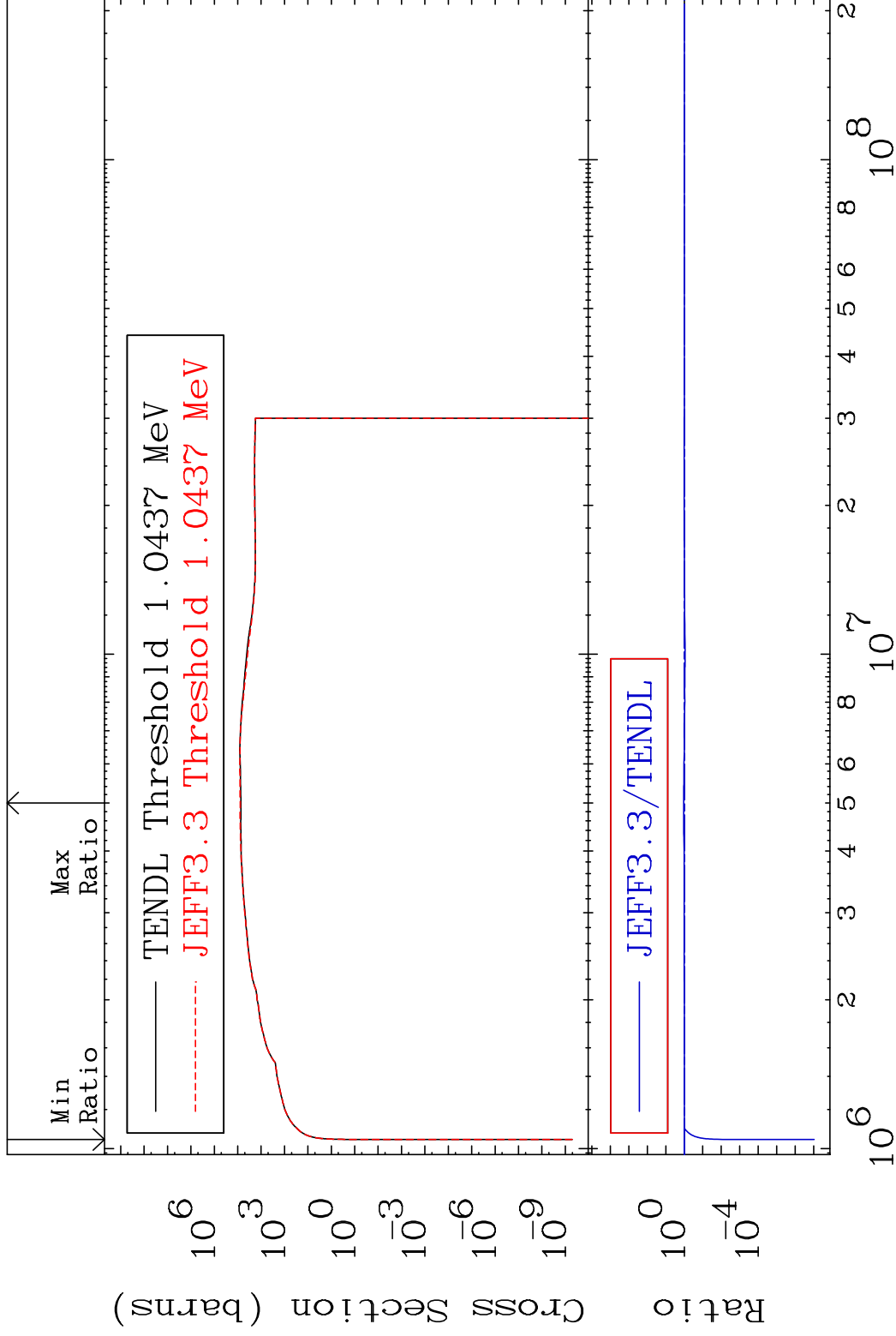
38-Sr-89

MAT 3840

Dpa inelastic (mt51-91)

38-Sr-89

Cross Section -100.0 To 7.984 %

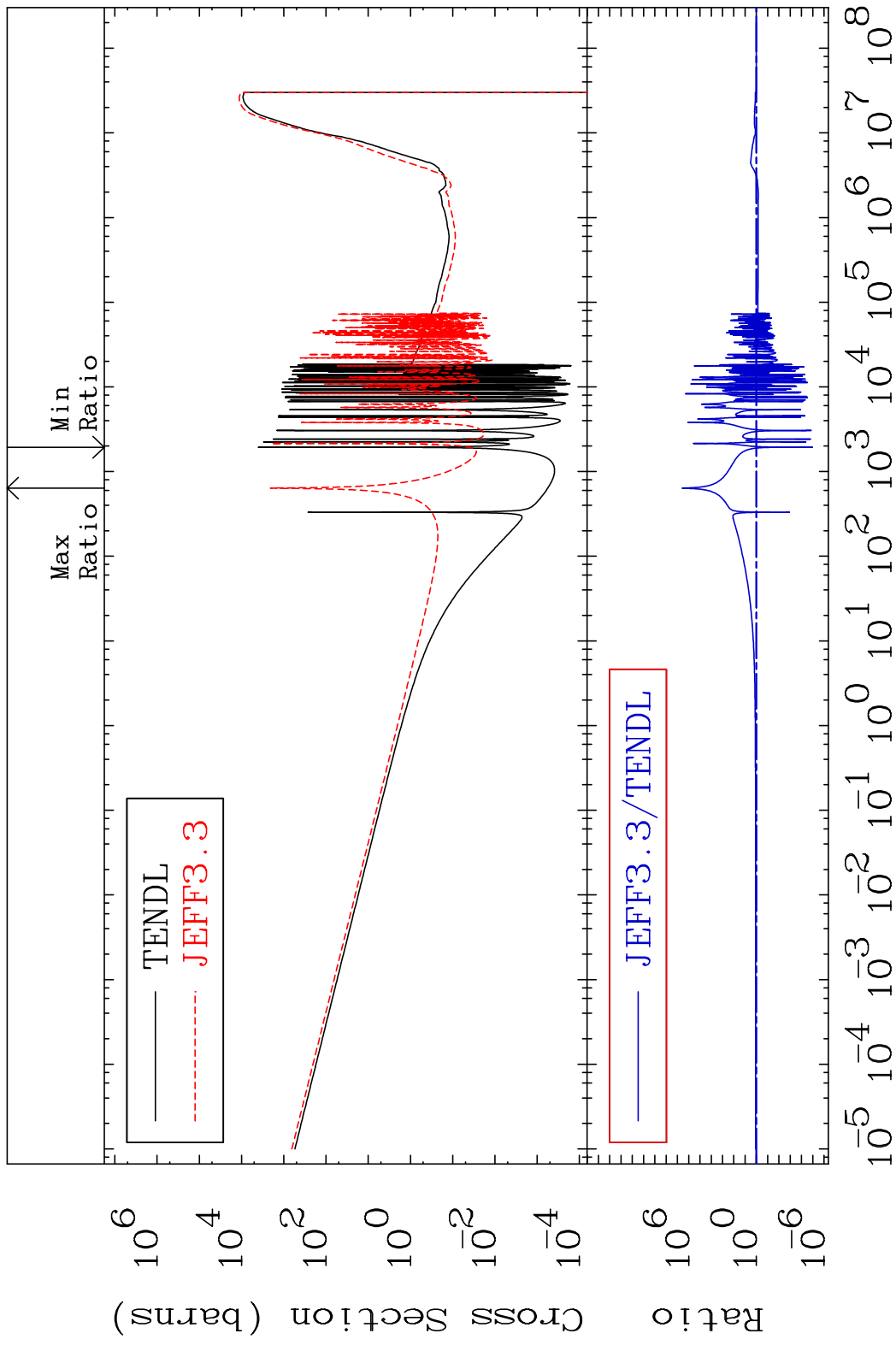


75

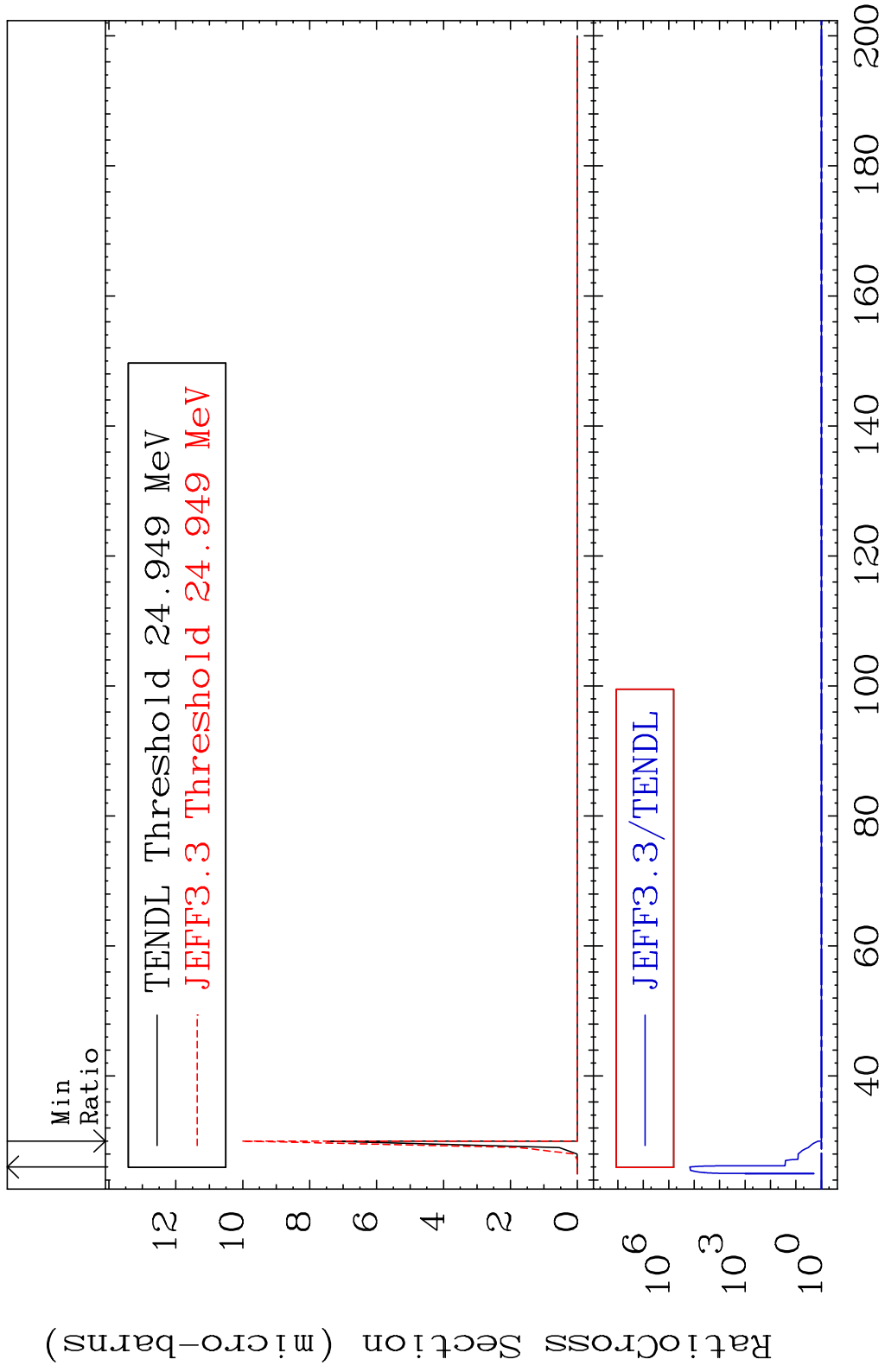
Incident Energy (eV)

38-Sr-89

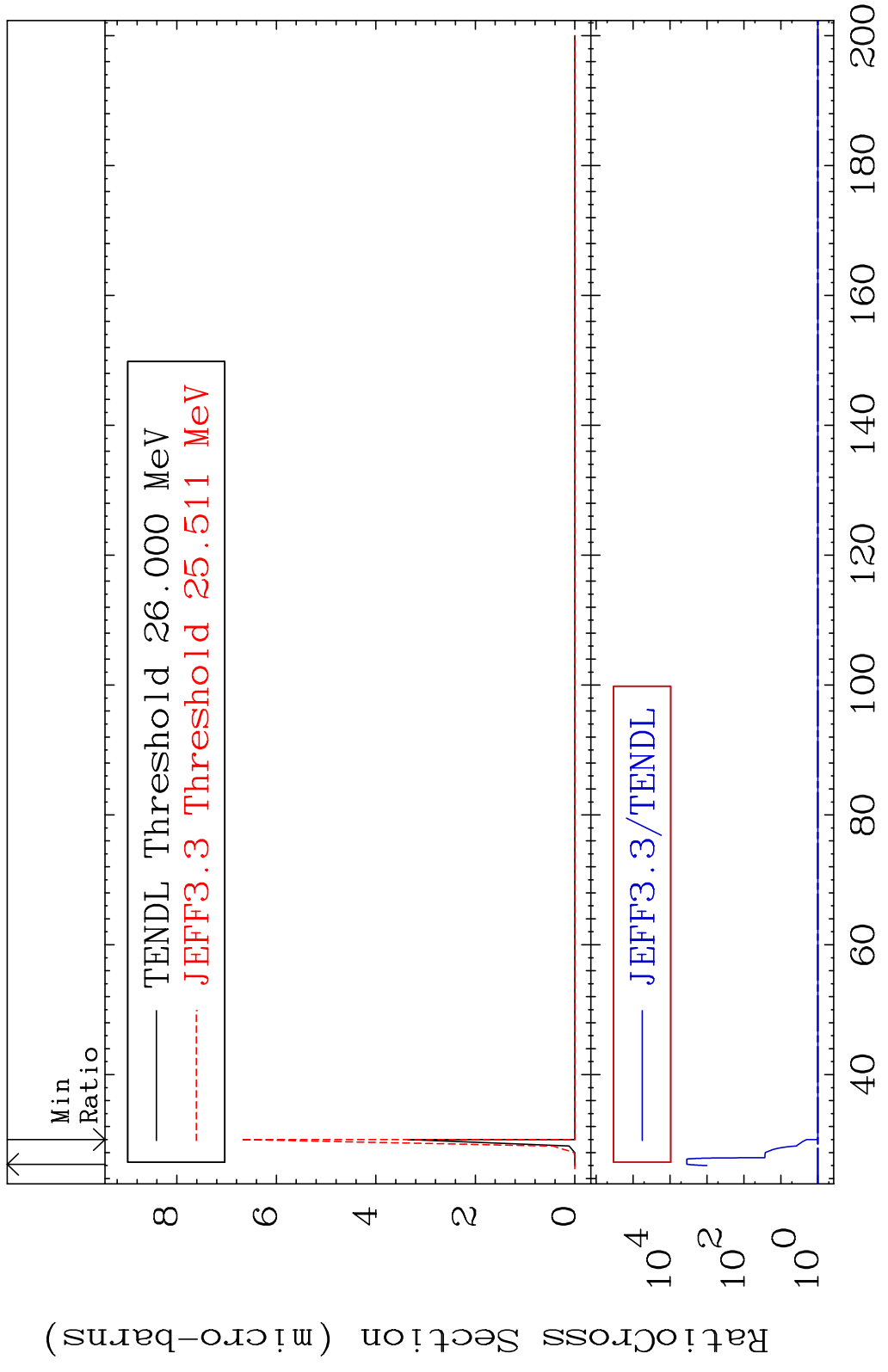
MAT 3840 Dpa disappearance (mt102 -120) 38-Sr-89
 Cross Section -100.0 To 9999. %

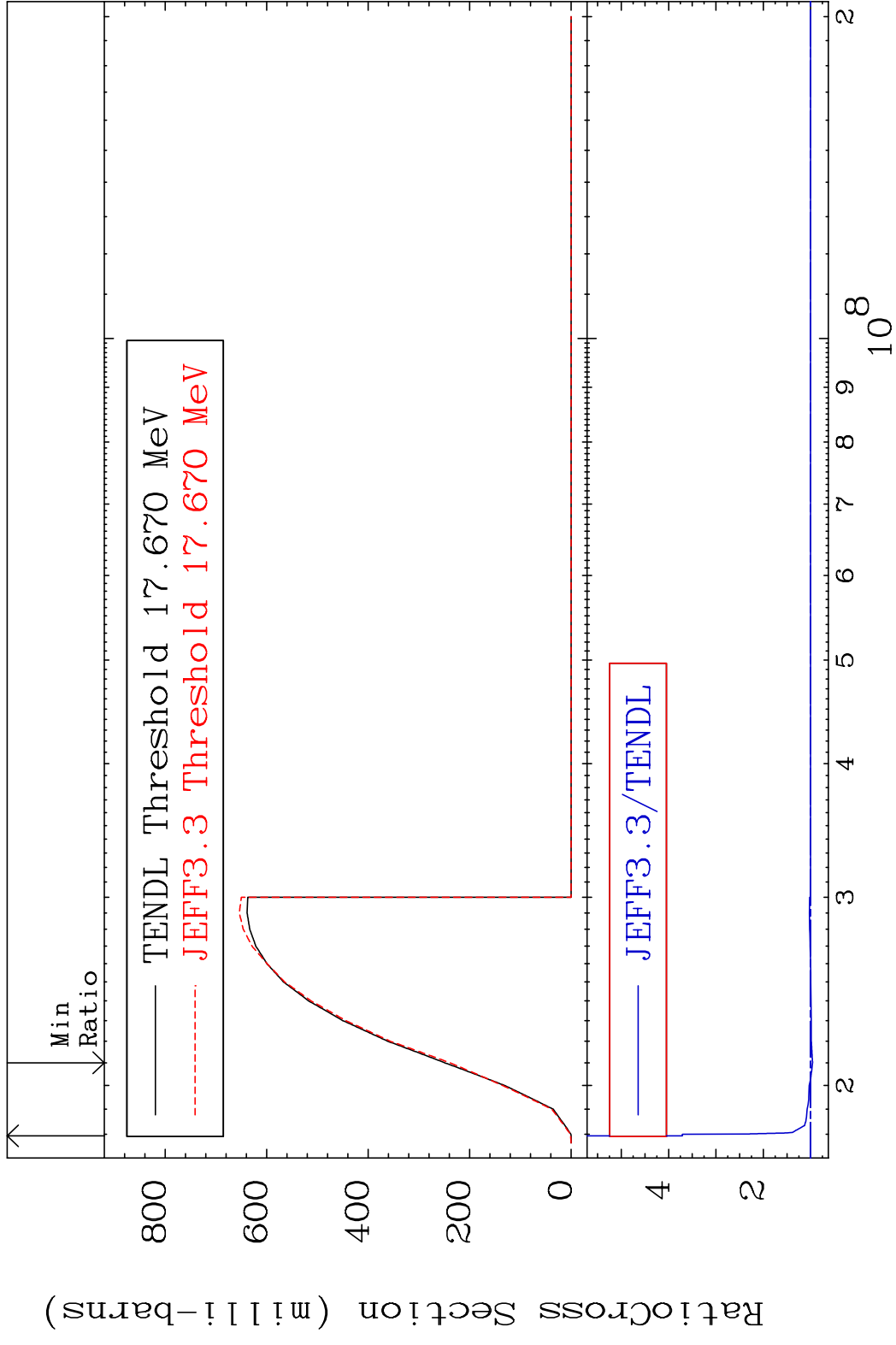


76 Incident Energy (eV) 38-Sr-89

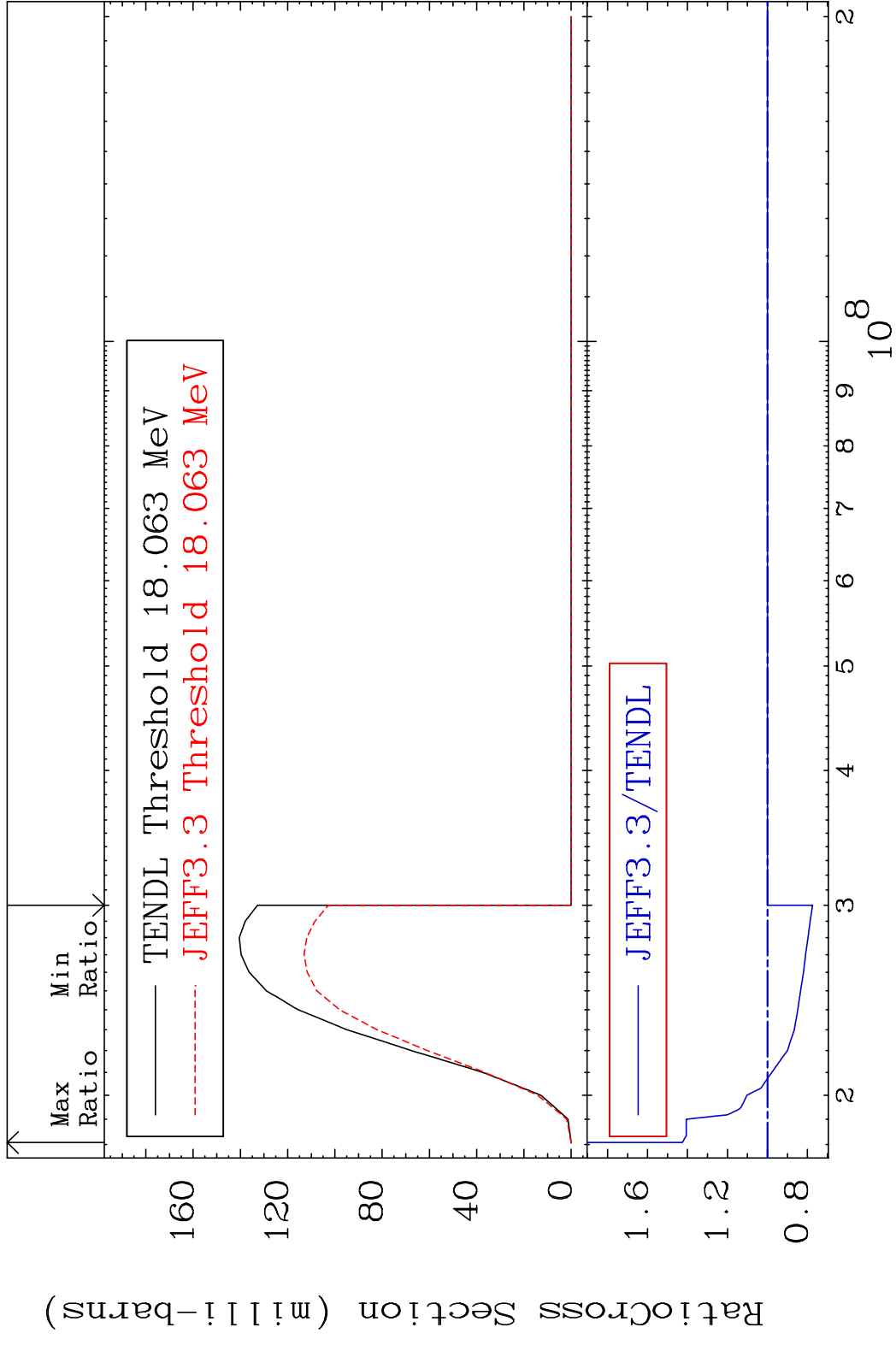


MAT 3840 (n,2n) d:37-Rb-86m2 38-Sr-89
 Radionuclide Production Cross Section 9999. %



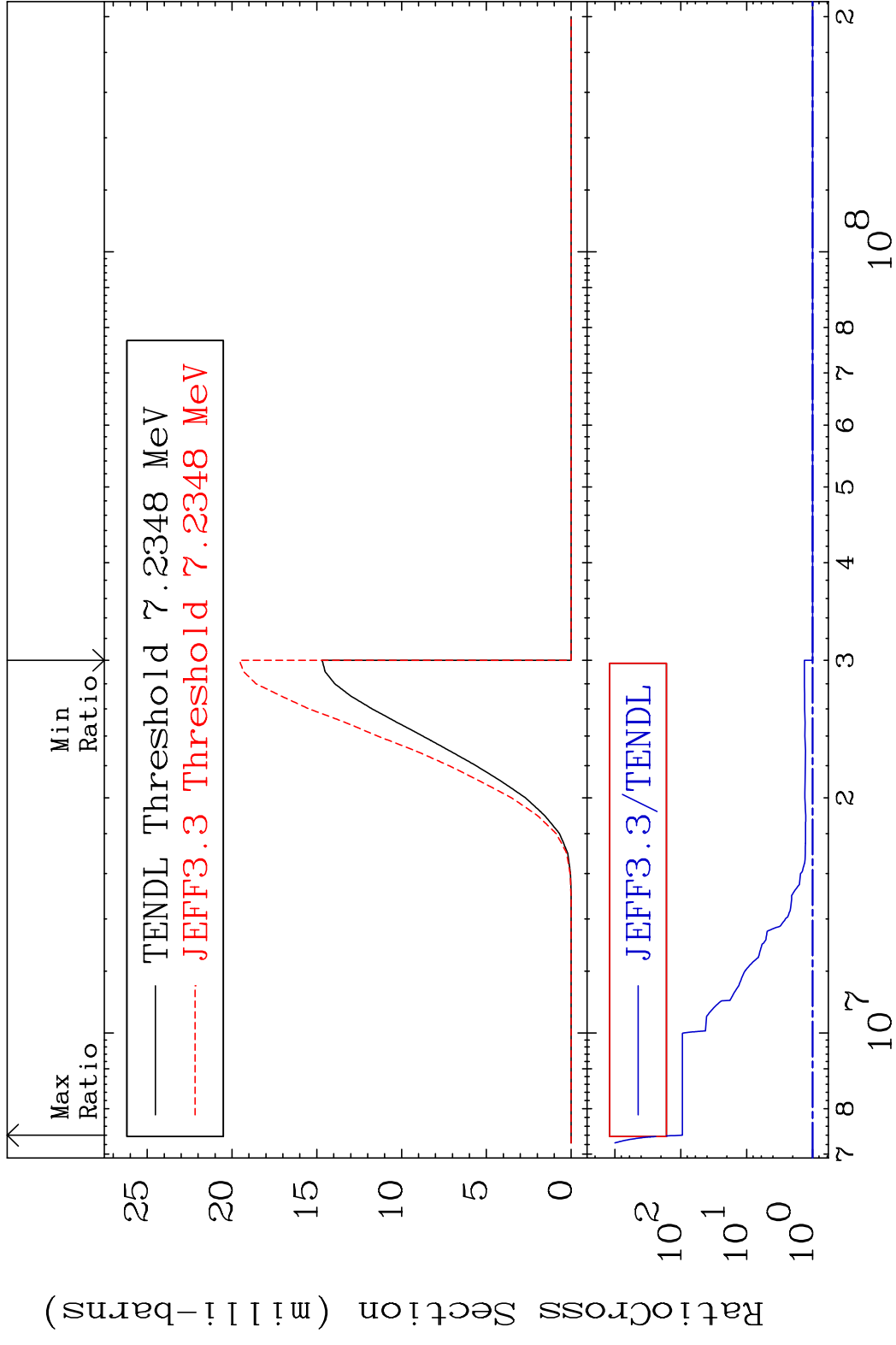


MAT 3840 (n,3n):38-Sr-87m1 38-Sr-89
 Radionuclide Production Cross Section 42.58 %

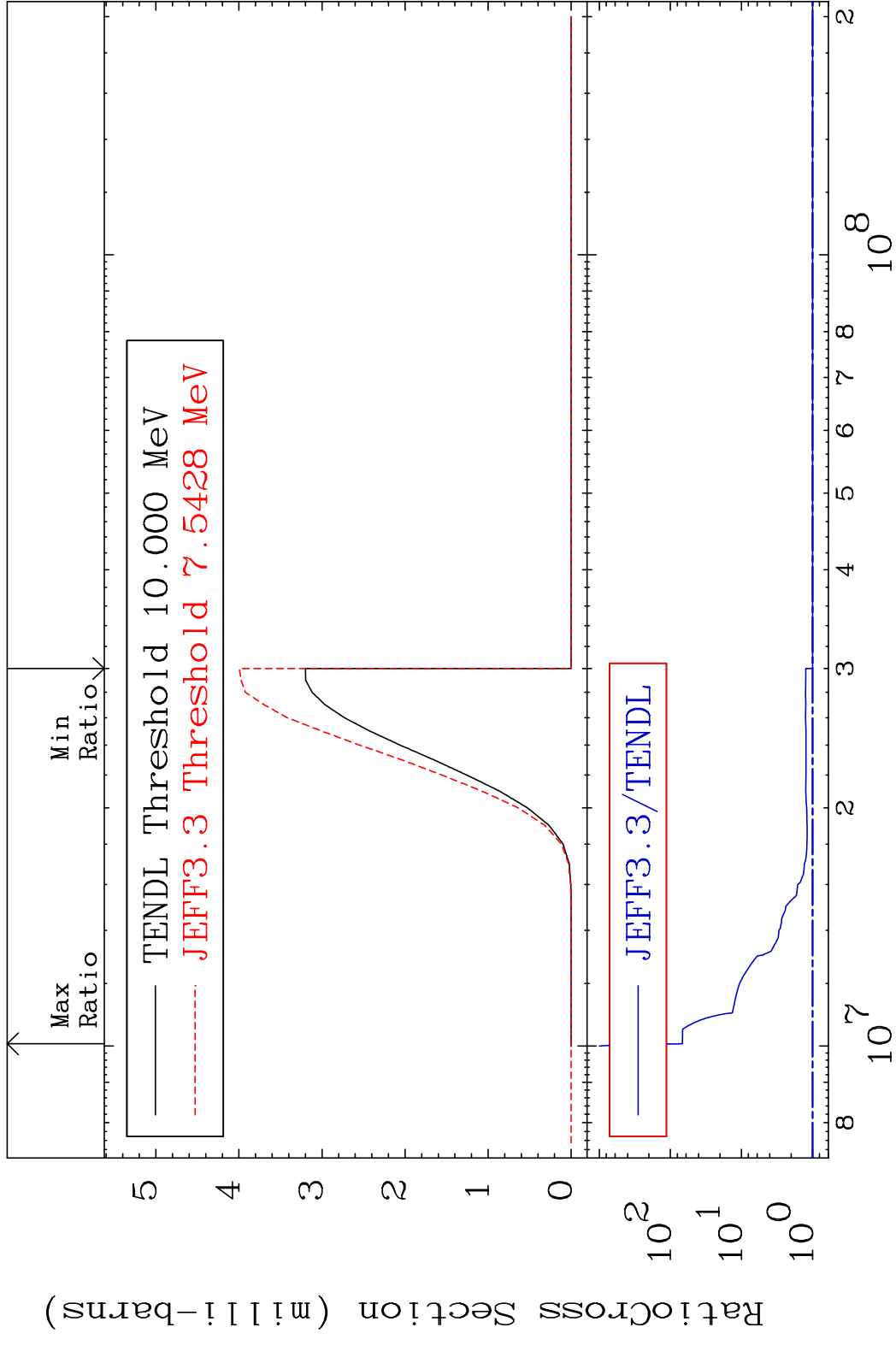


80 Incident Energy (eV) 38-Sr-89

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 %

