

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

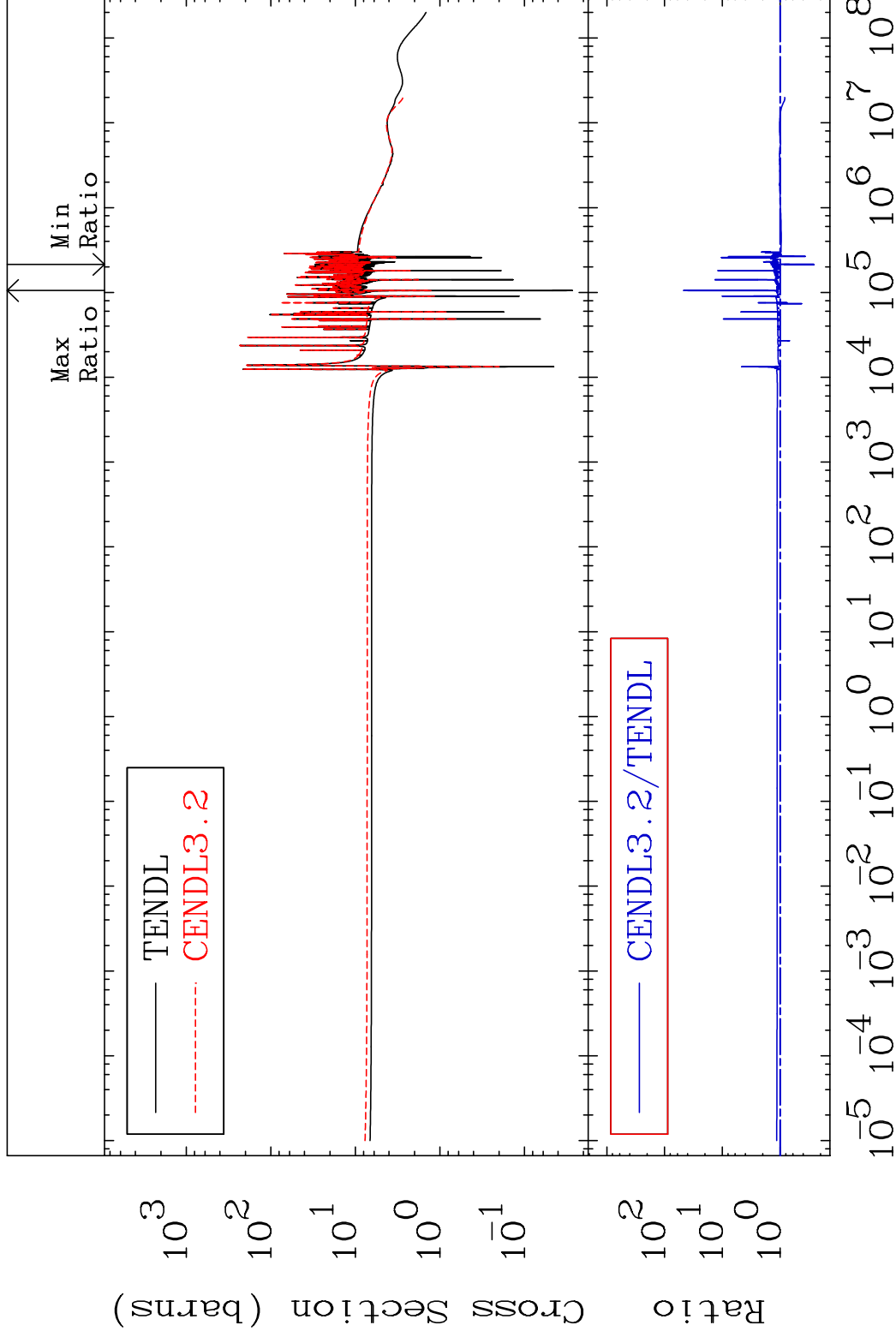
MAT 3837

Total

38-Sr-88

Cross Section

-74.17 To 4578. %



1

Incident Energy (eV)

38-Sr-88

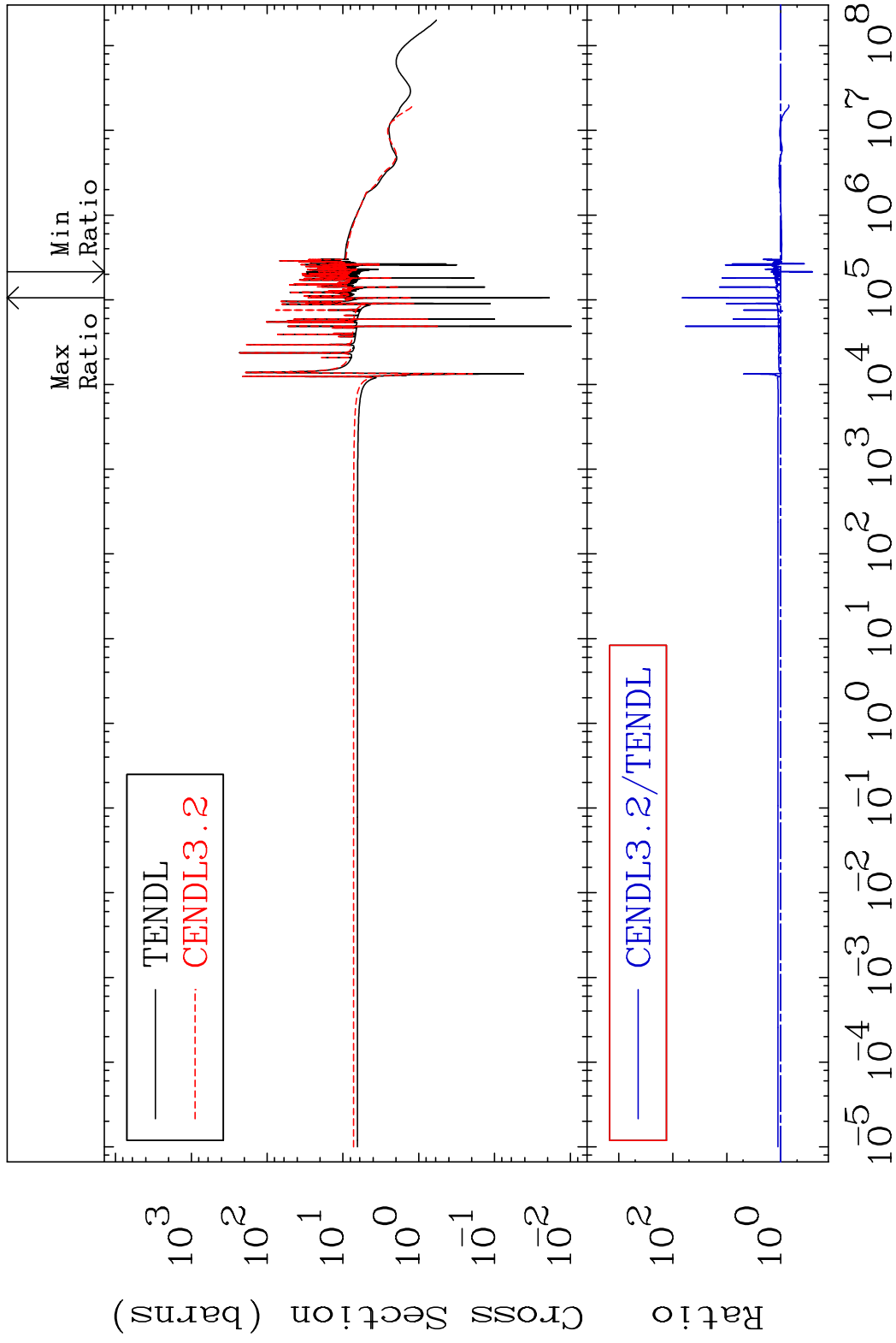
MAT 3837

Elastic

38-Sr-88

Cross Section

-74.25 To 6557. %

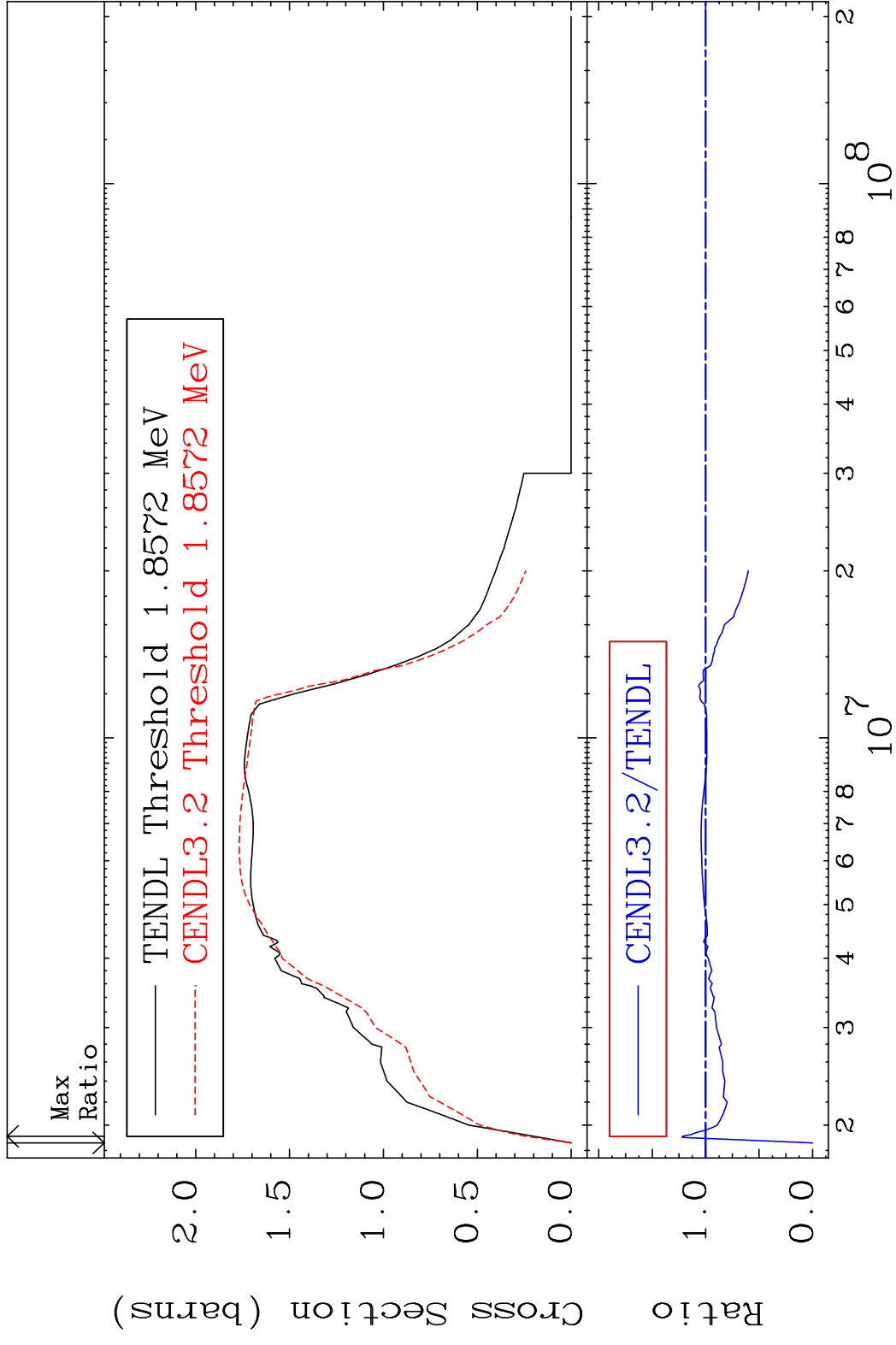


2

Incident Energy (eV)

38-Sr-88

MAT 3837 Inelastic 38-Sr-88
 Cross Section -100.0 To 21.81 %



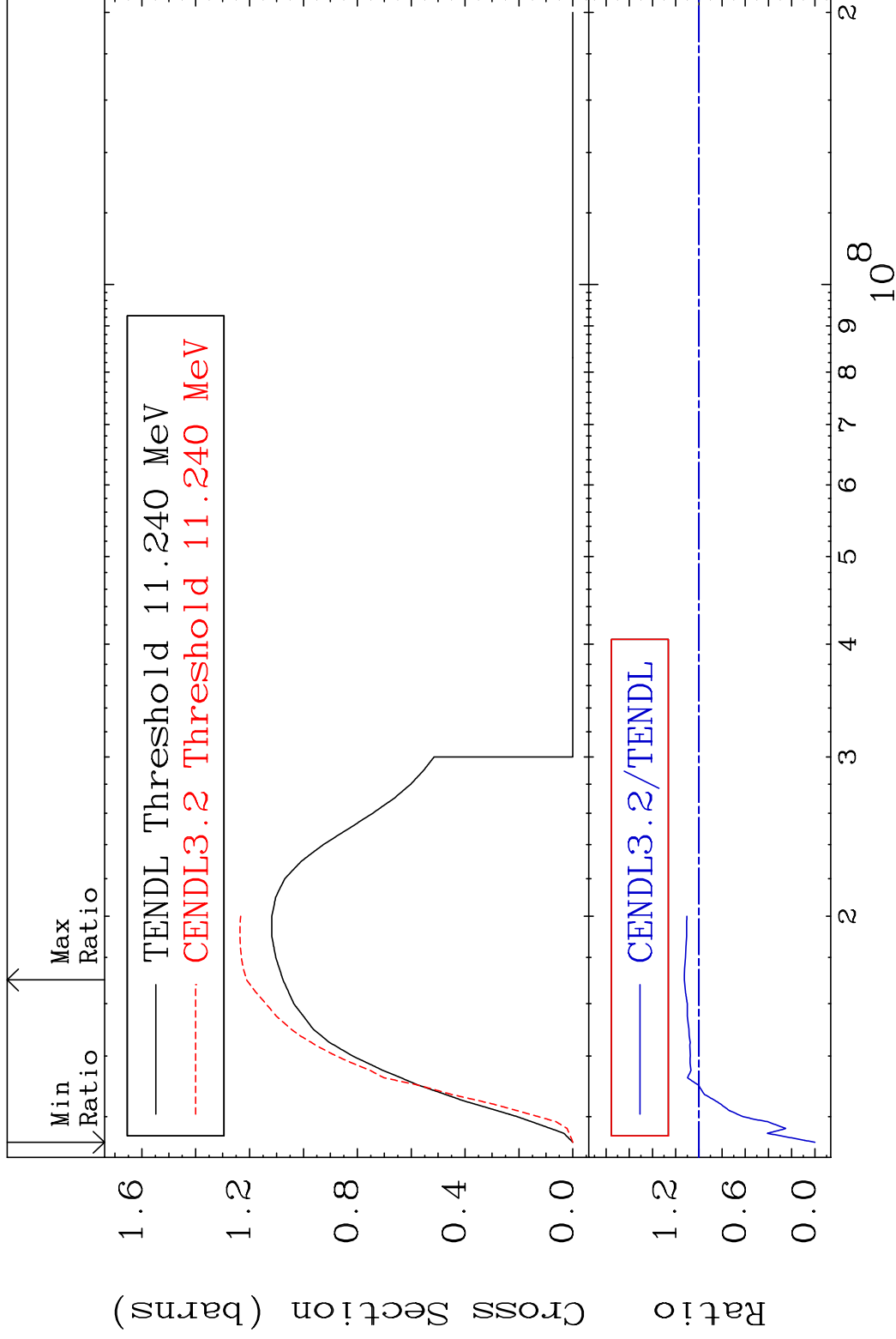
3 Incident Energy (eV) 38-Sr-88

MAT 3837

(n,2n)

38-Sr-88

Cross Section -100.0 To 12.55 %



4

Incident Energy (eV)

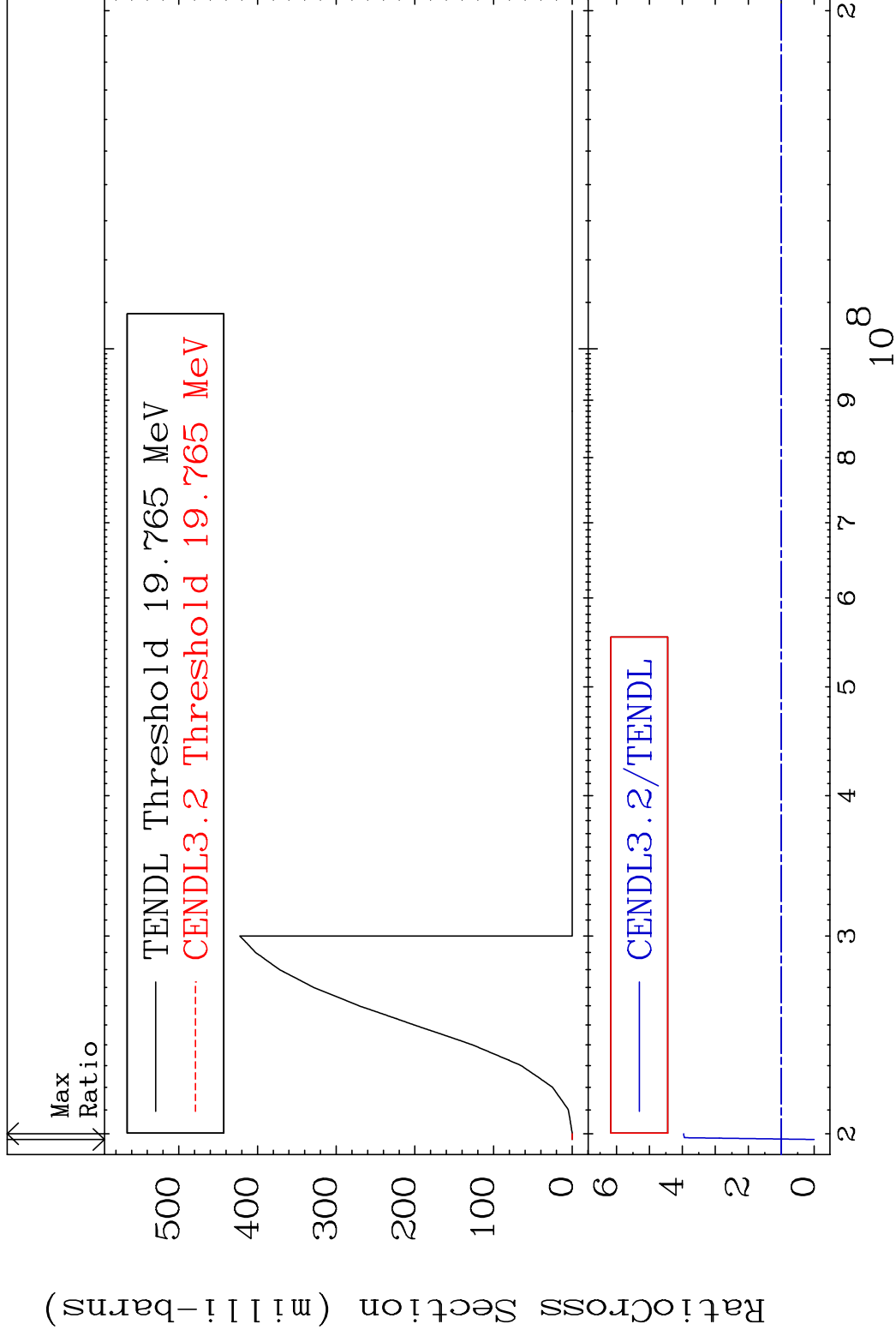
38-Sr-88

MAT 3837

(n,3n)

38-Sr-88

Cross Section -100.0 To 296.2 %



5

Incident Energy (eV)

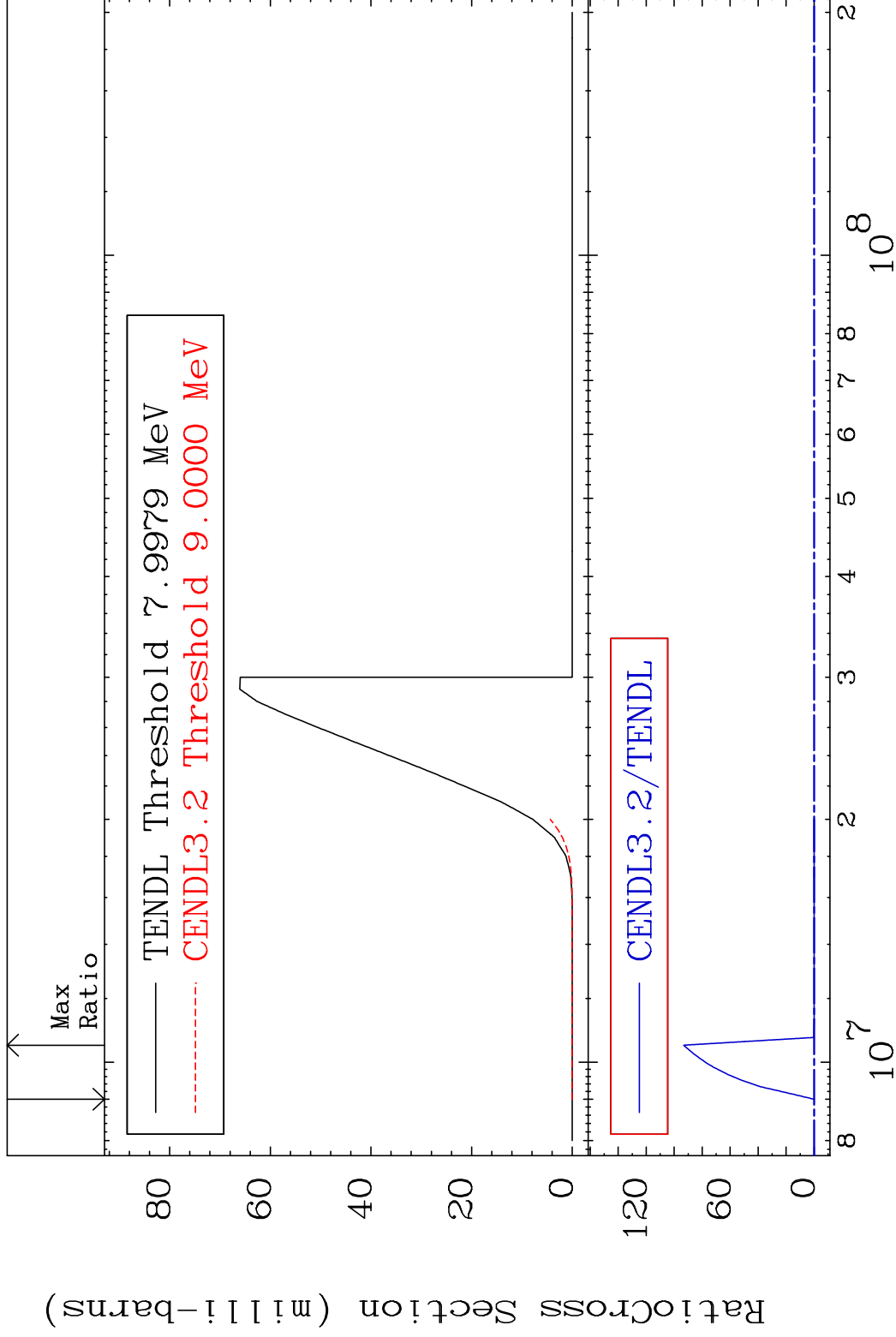
38-Sr-88

MAT 3837

(n, n') α

38-Sr-88

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

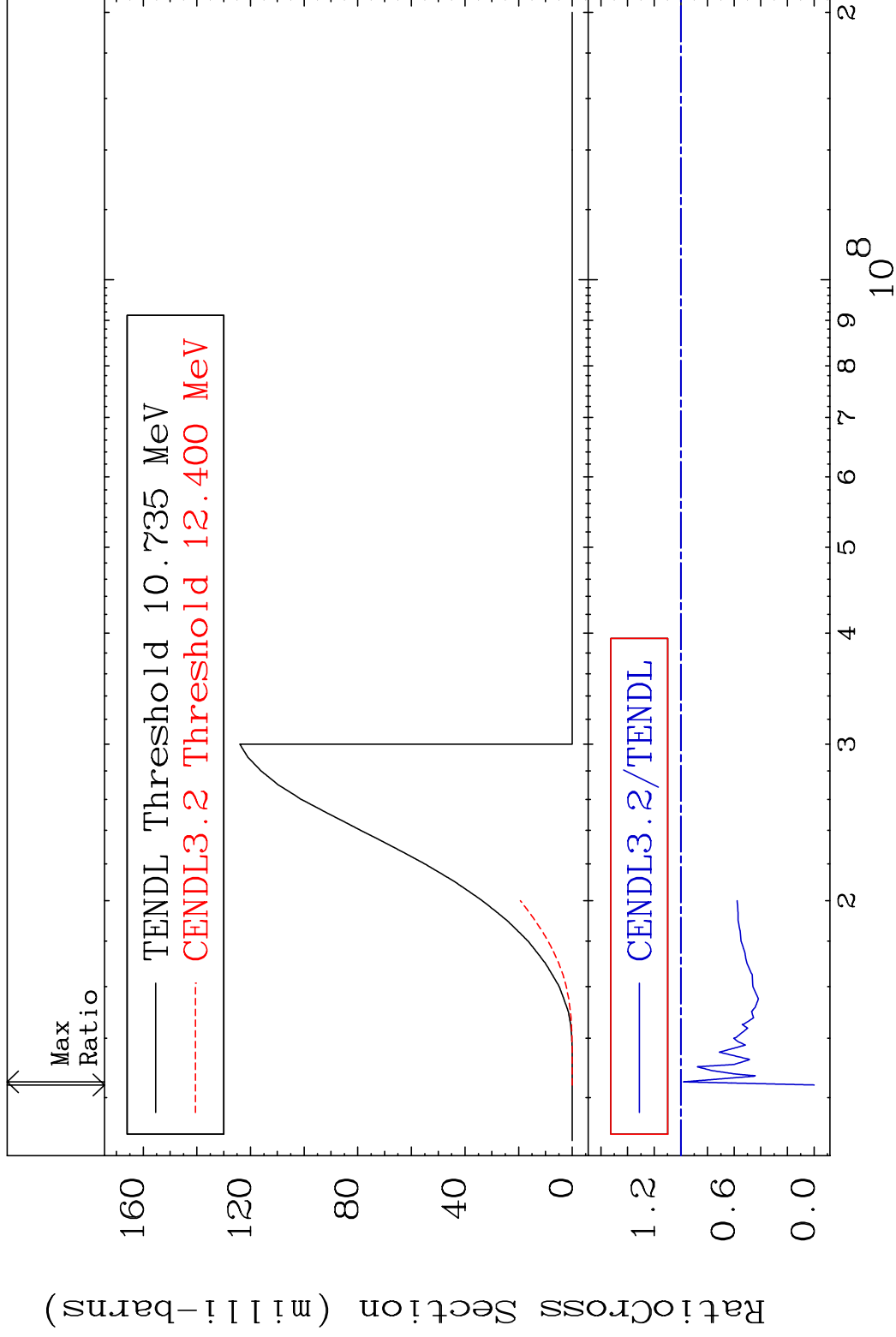
38-Sr-88

MAT 3837

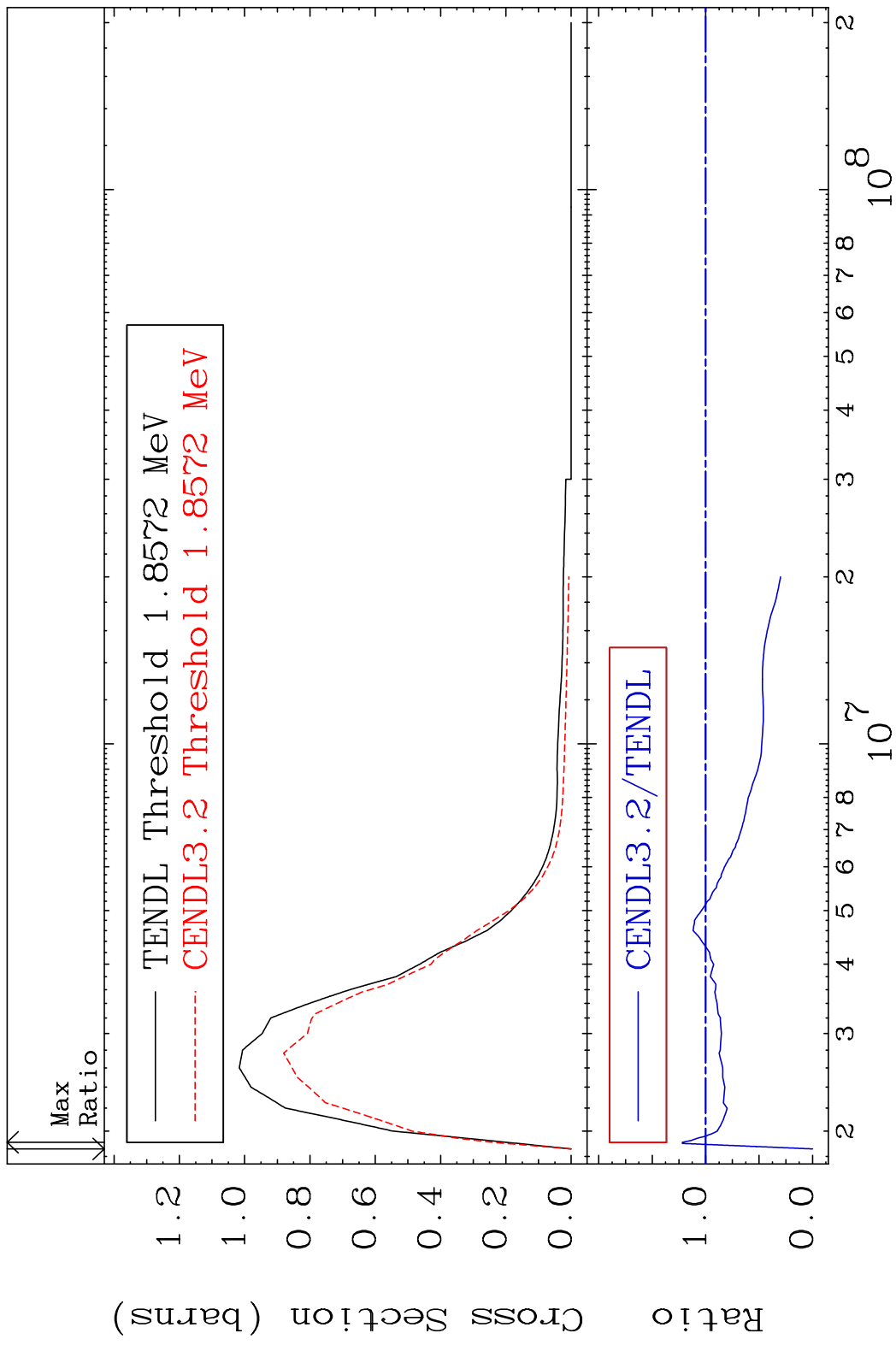
(n, n') p

38-Sr-88

Cross Section -100.0 To -2.108%



MAT 3837 MT= 51 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 21.81 %



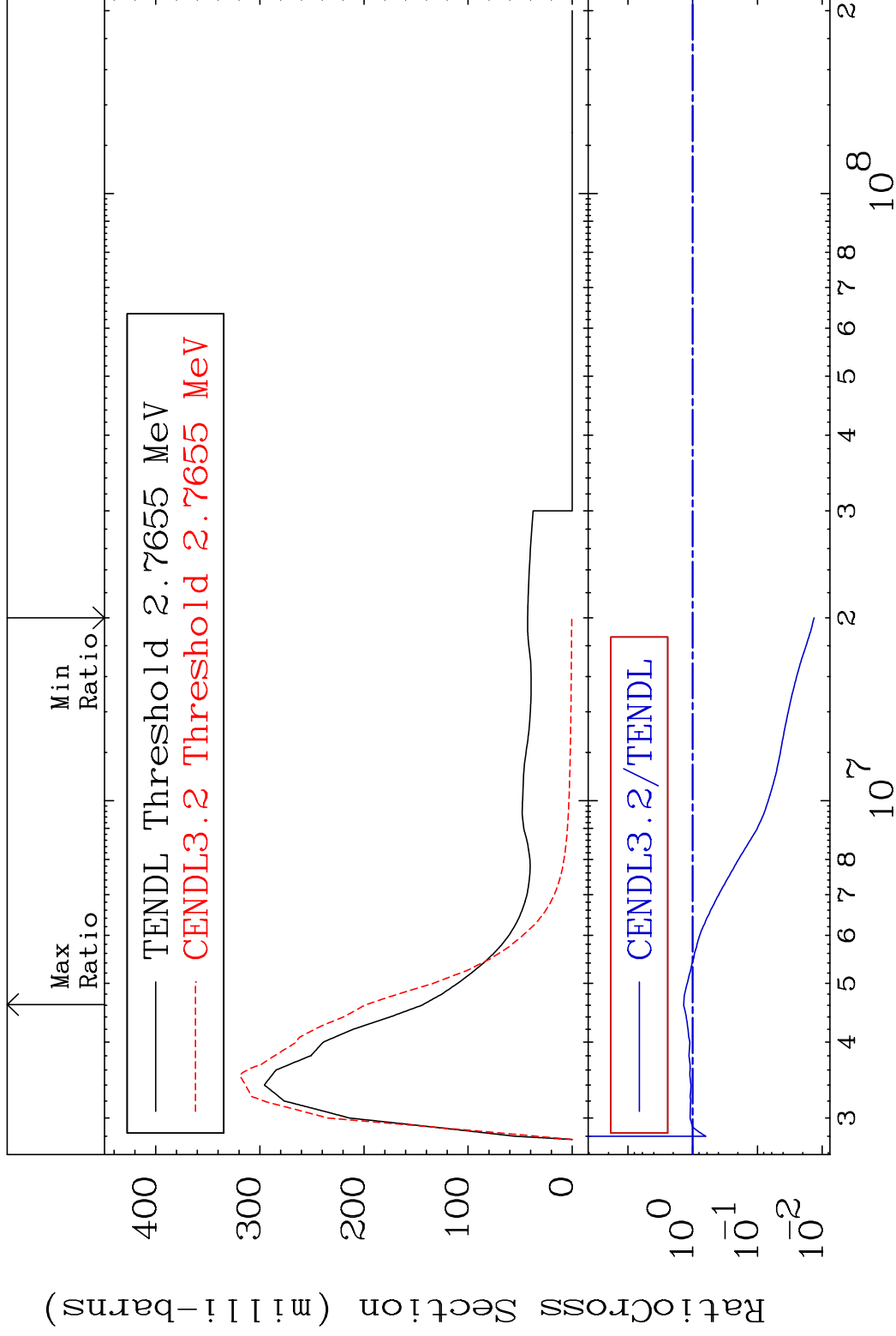
8 Incident Energy (eV) 38-Sr-88

MAT 3837

MT= 52 (n,n') Level

38-Sr-88

Cross Section -98.67 To 37.84 %

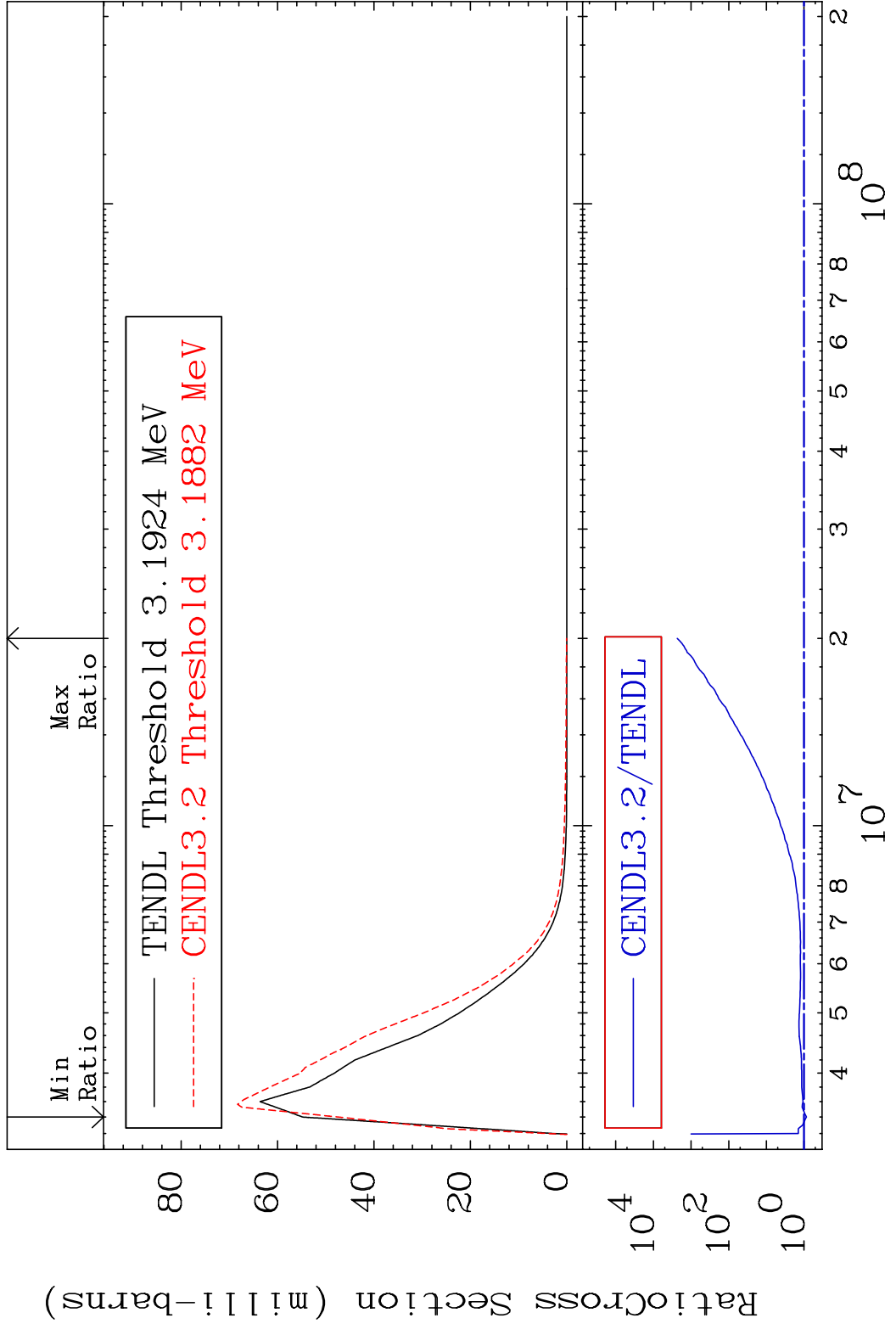


9

Incident Energy (eV)

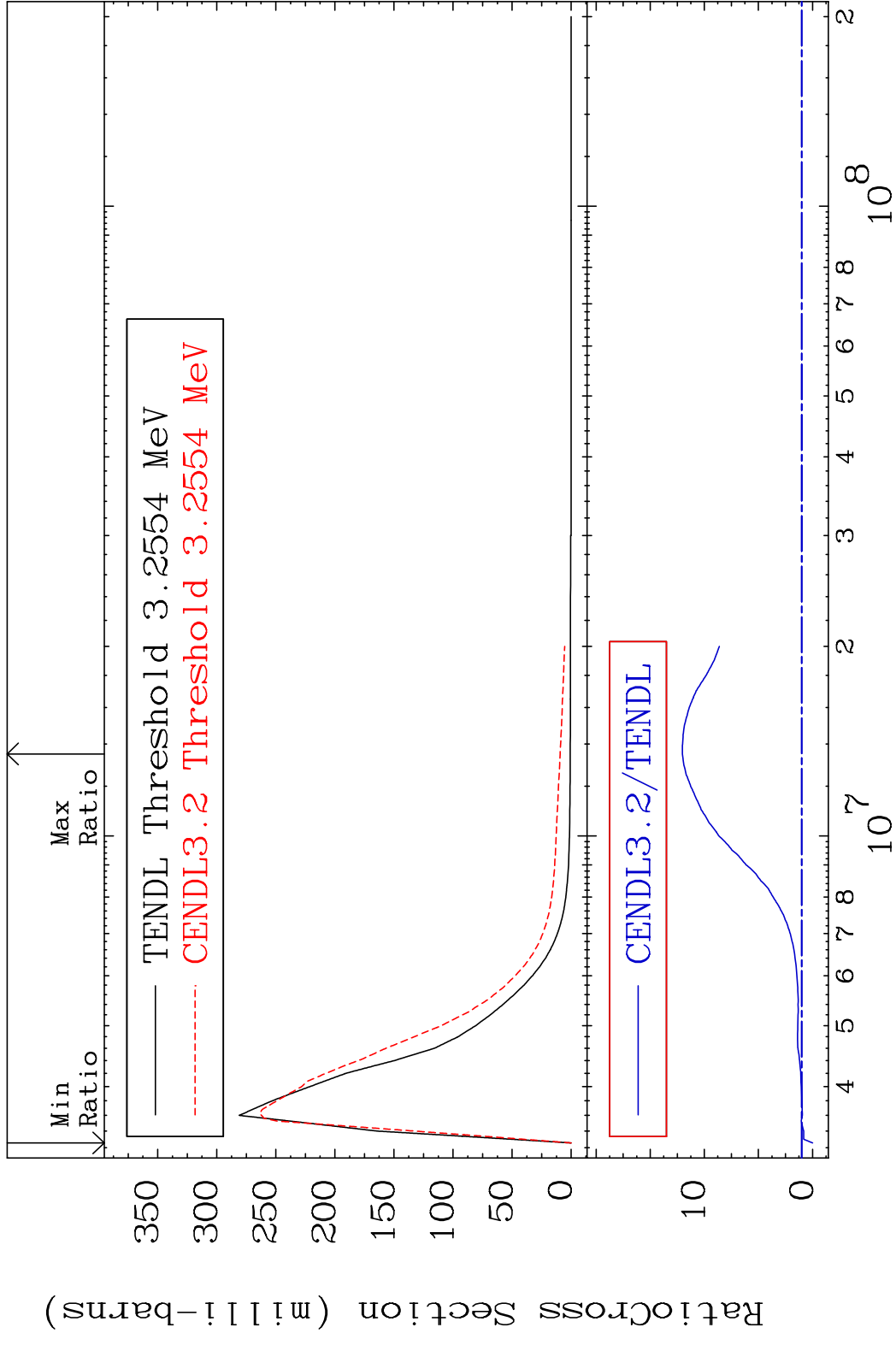
38-Sr-88

MAT 3837 MT= 53 (n, n') Level 38-Sr-88
 Cross Section -13.47 To 9999. %



10 Incident Energy (eV) 38-Sr-88

MAT 3837 MT= 54 (n,n') Level 38-Sr-88
 Cross Section -100.0 To 1103. %

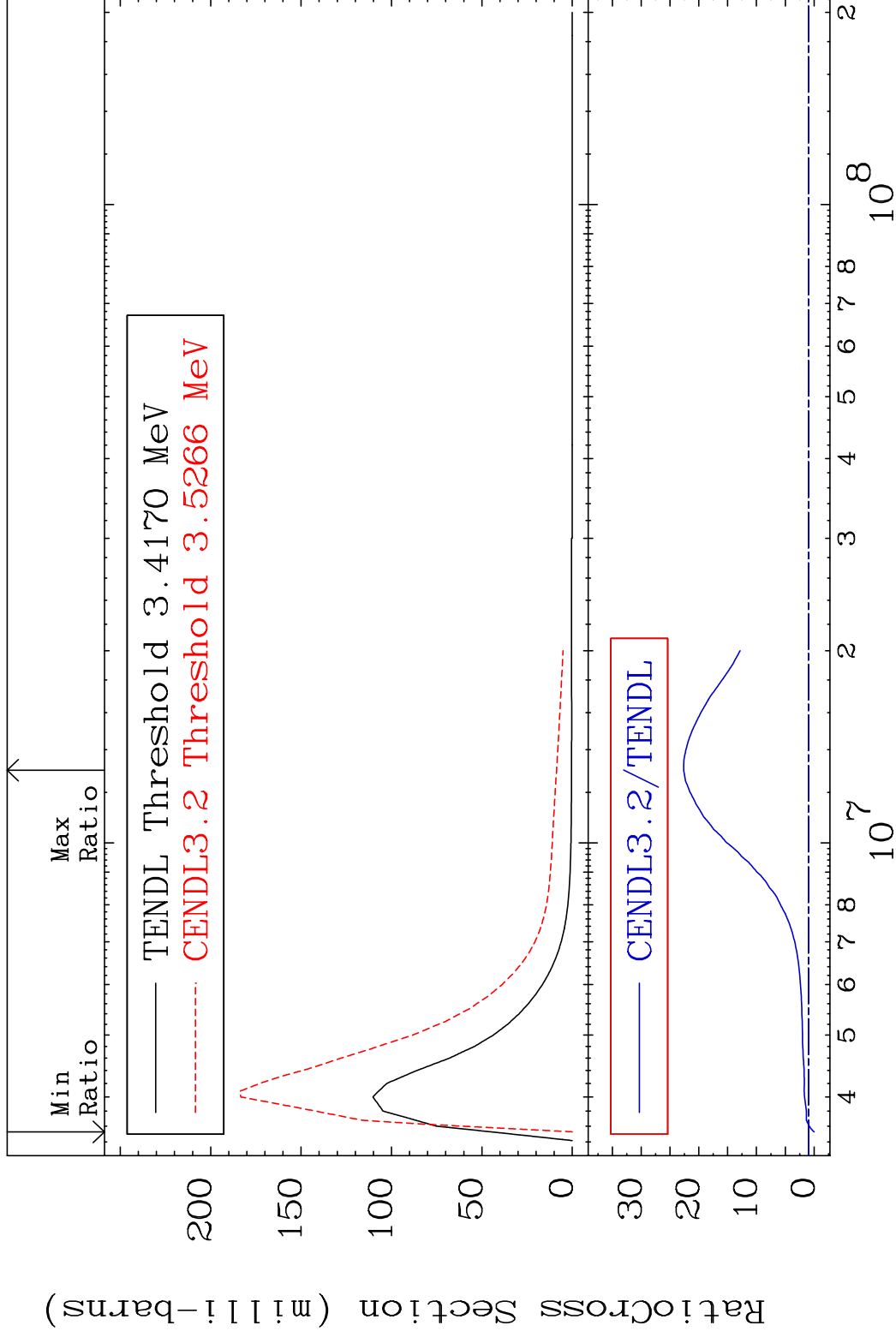


MAT 3837

MT= 55 (n, n') Level

38-Sr-88

Cross Section -100.0 To 2163. %

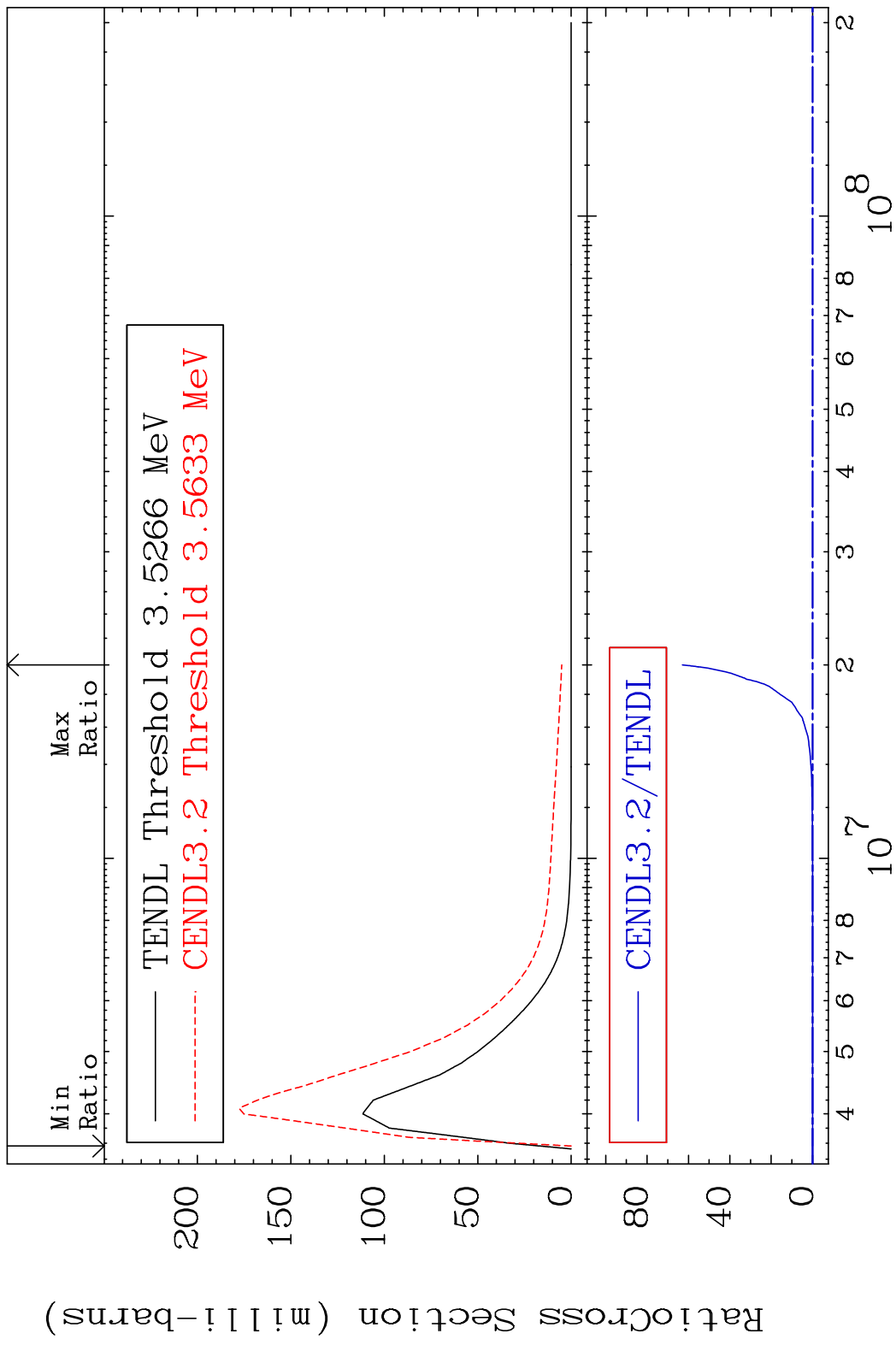


12

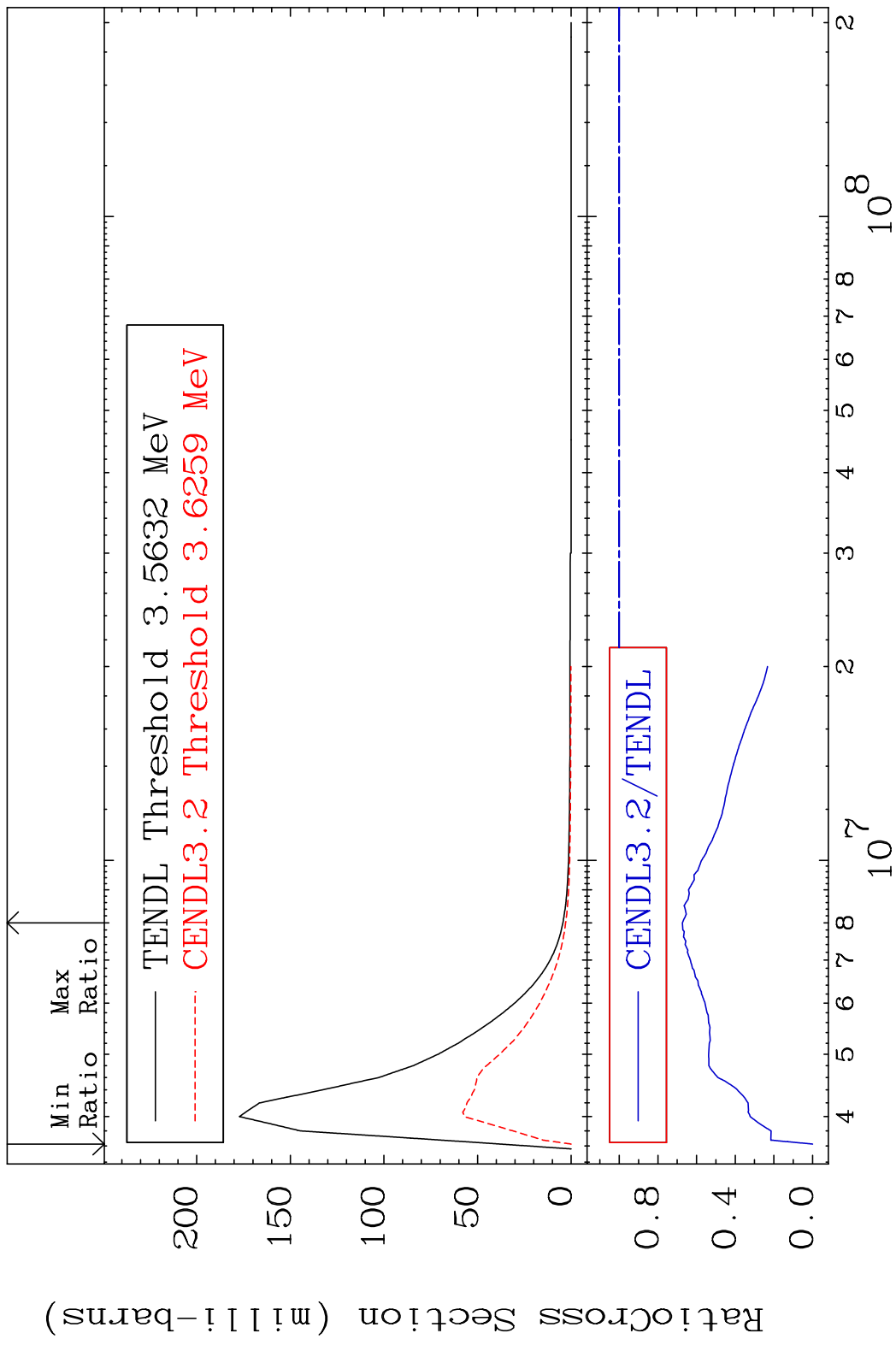
Incident Energy (eV)

38-Sr-88

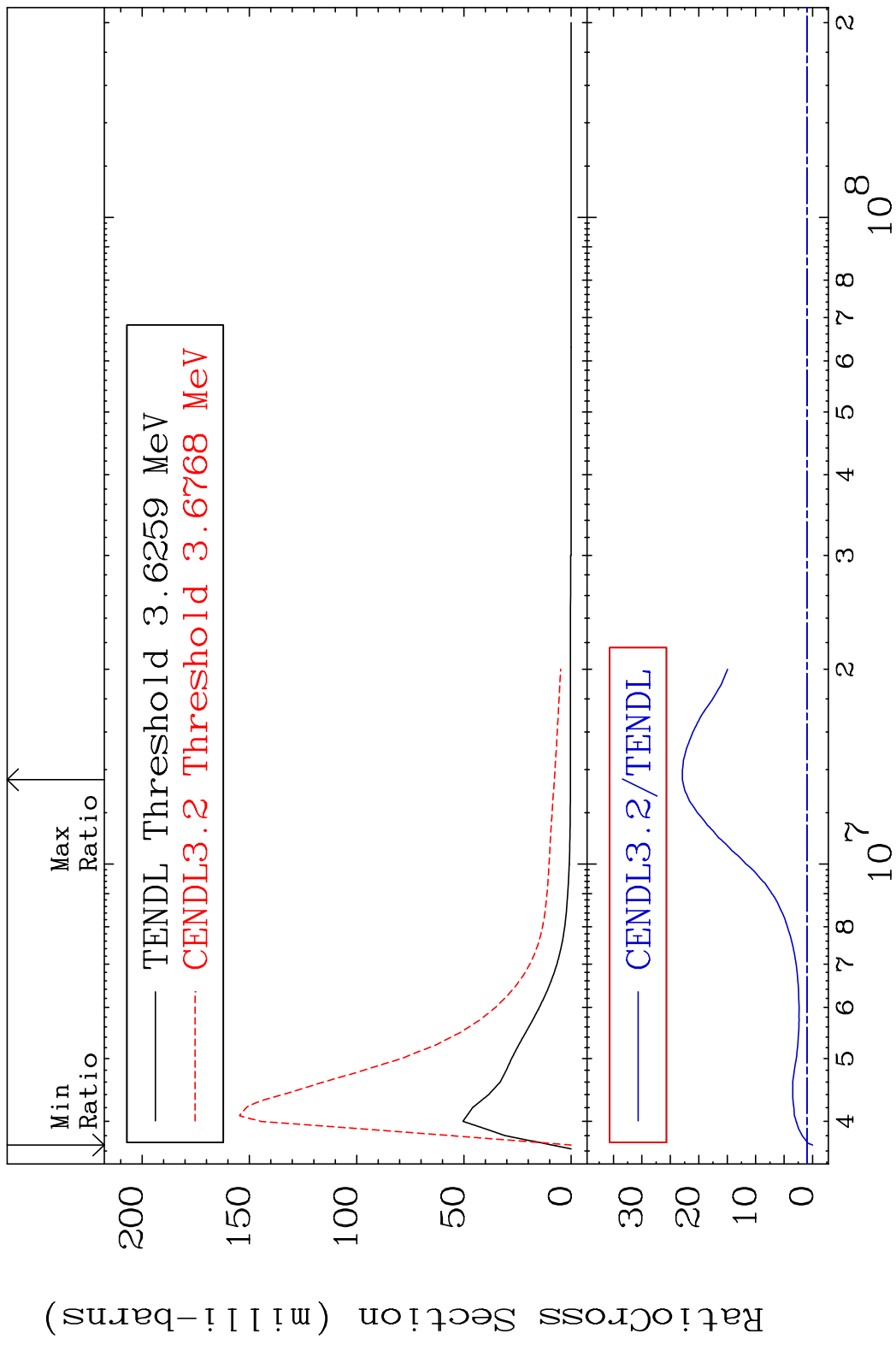
MAT 3837 MT= 56 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



MAT 3837 MT= 57 (n,n') Level 38-Sr-88
 Cross Section -100.0 To -32.65%

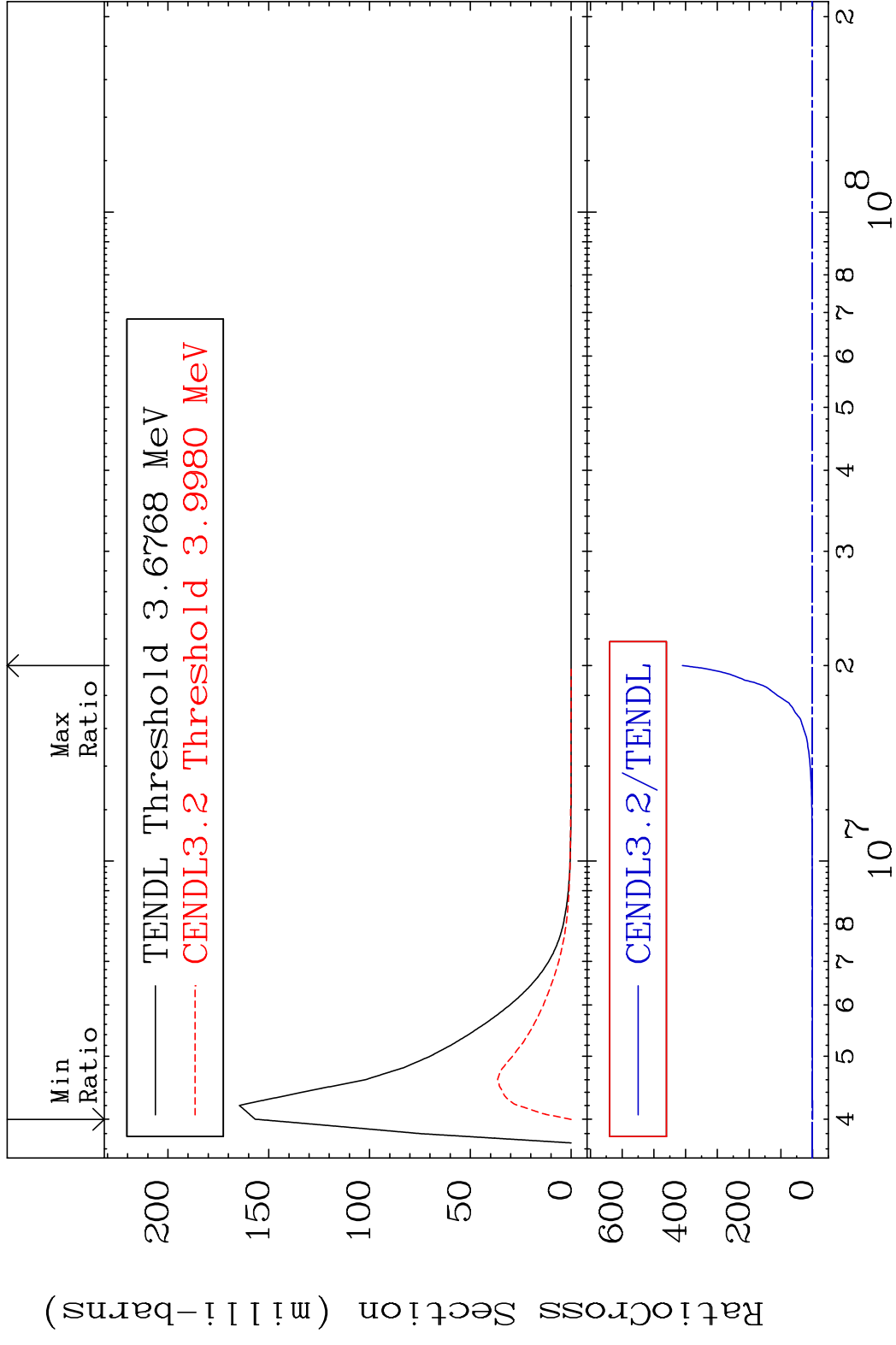


MAT 3837 MT= 58 (n,n') Level 38-Sr-88
 Cross Section -100.0 To 2189. %

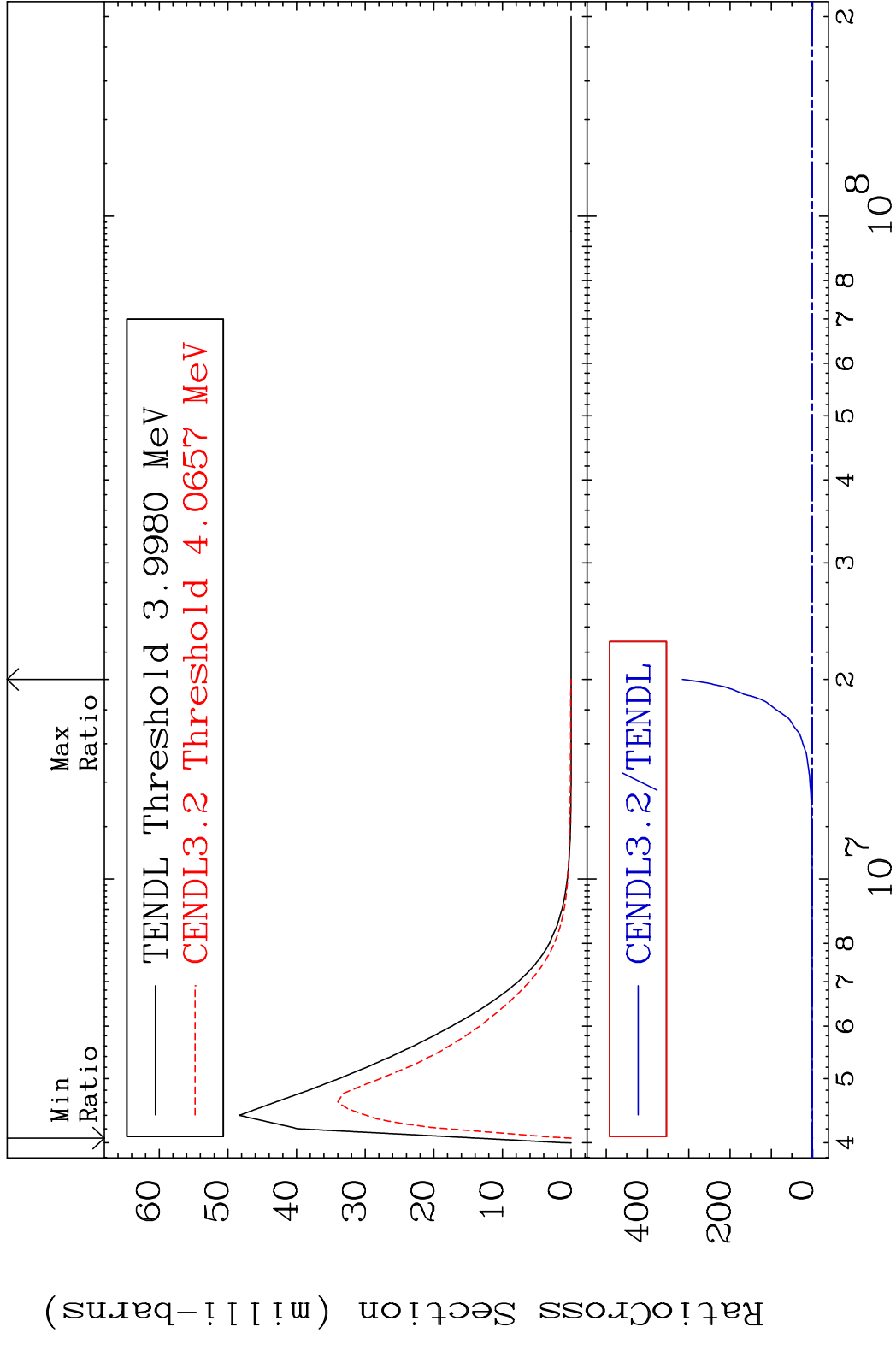


15 Incident Energy (eV) 38-Sr-88

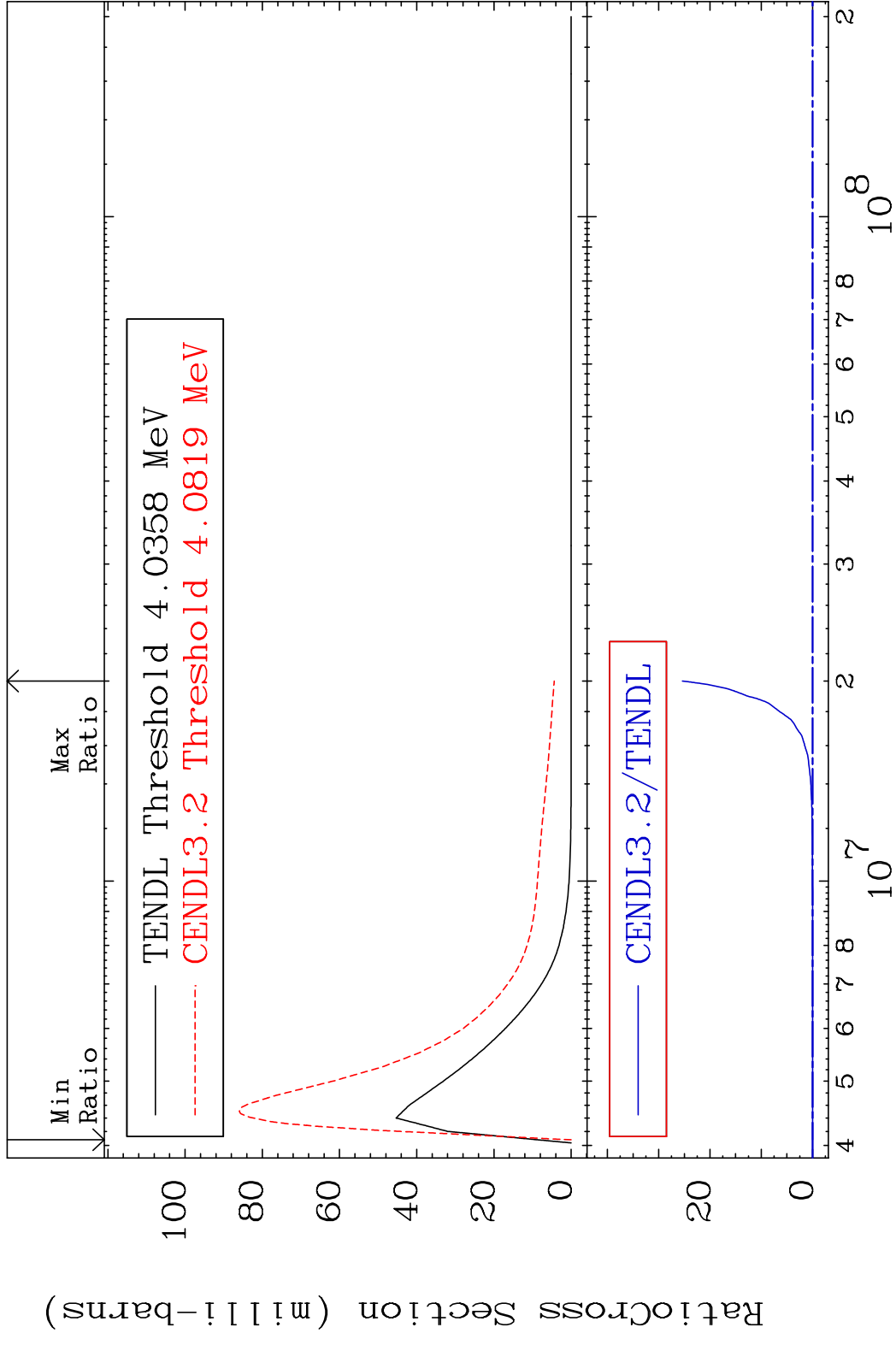
MAT 3837 MT= 59 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



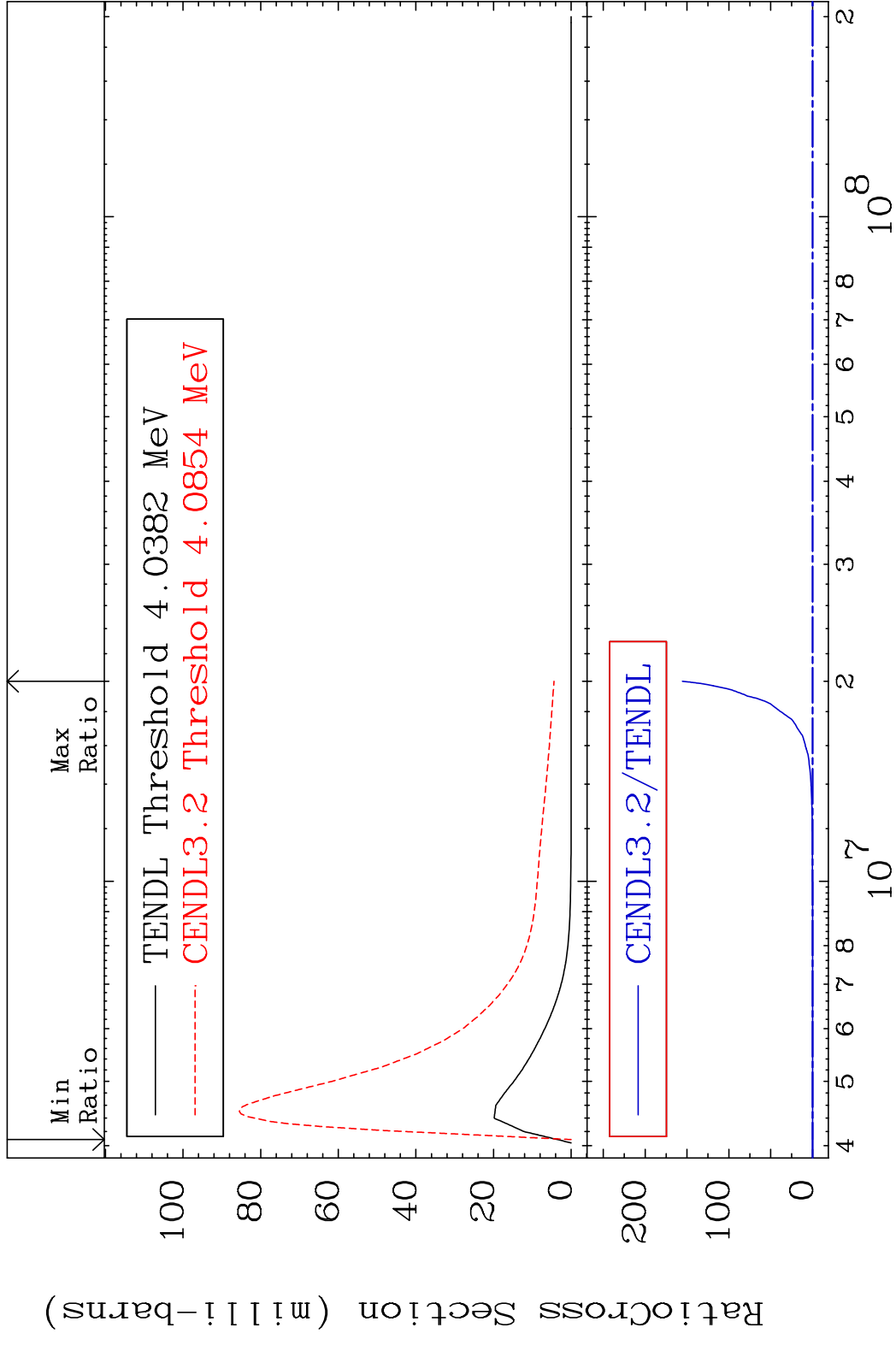
MAT 3837 MT= 60 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



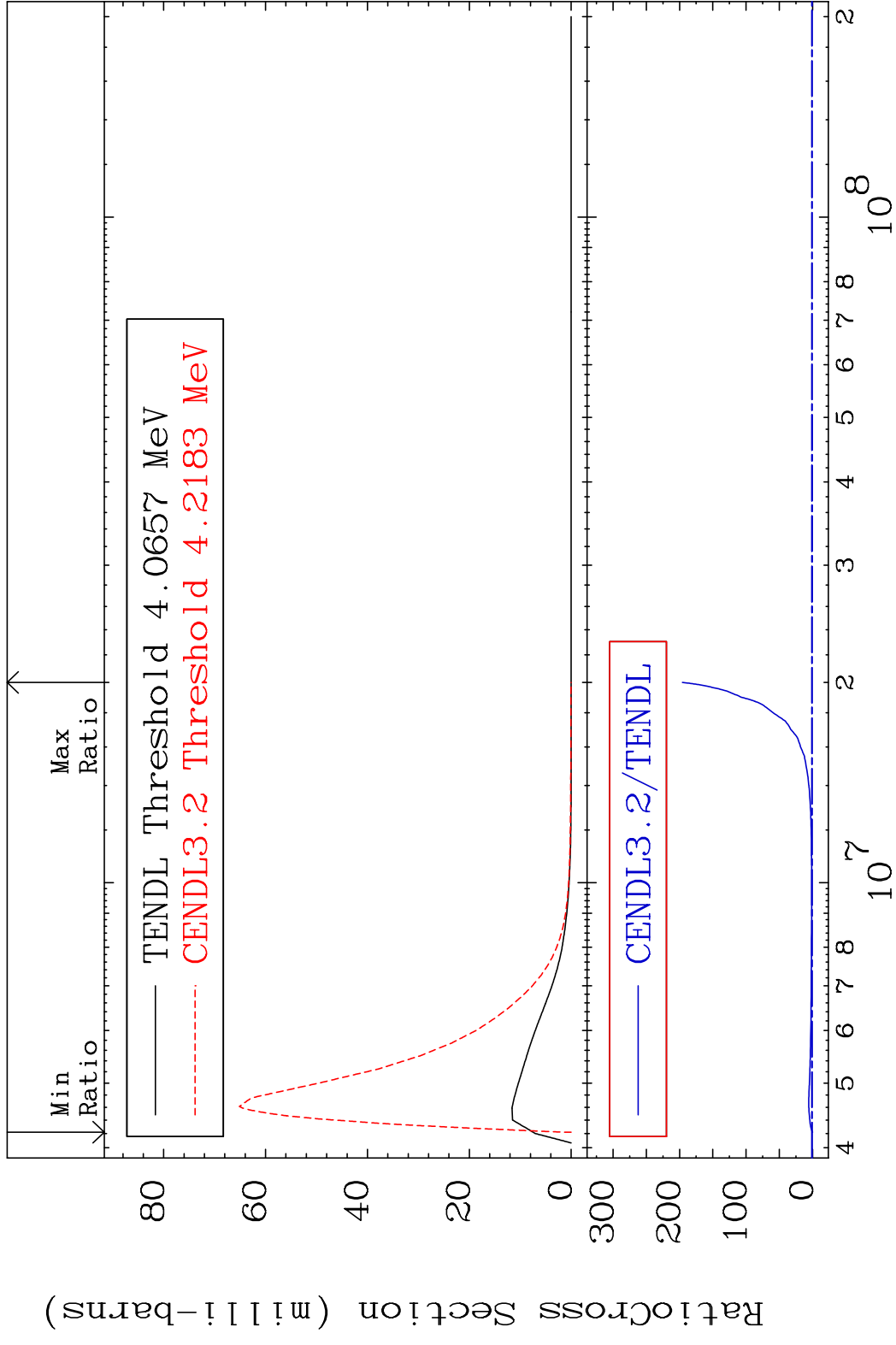
MAT 3837 MT= 61 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



MAT 3837 MT= 62 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %

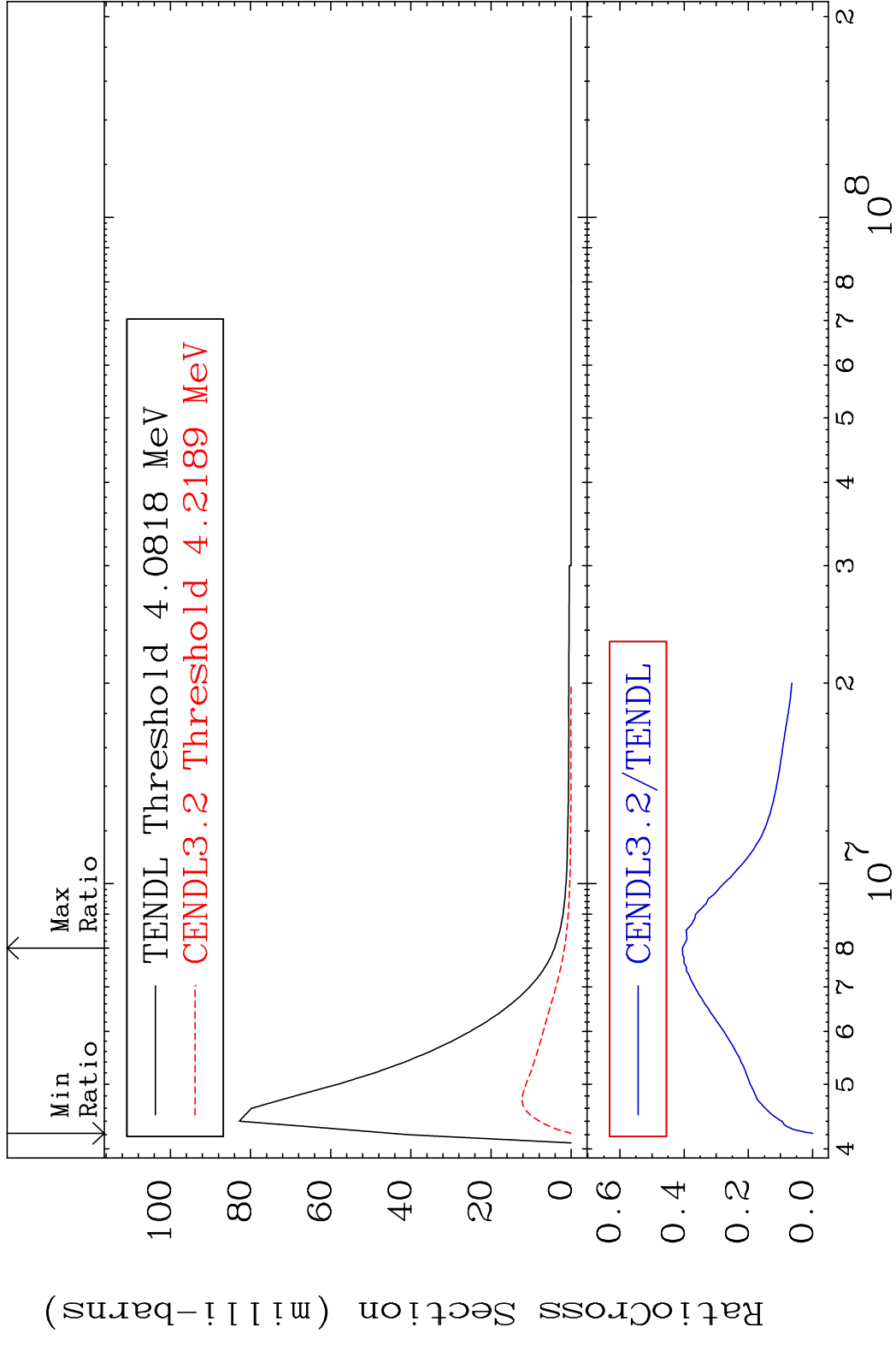


MAT 3837 MT= 63 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %

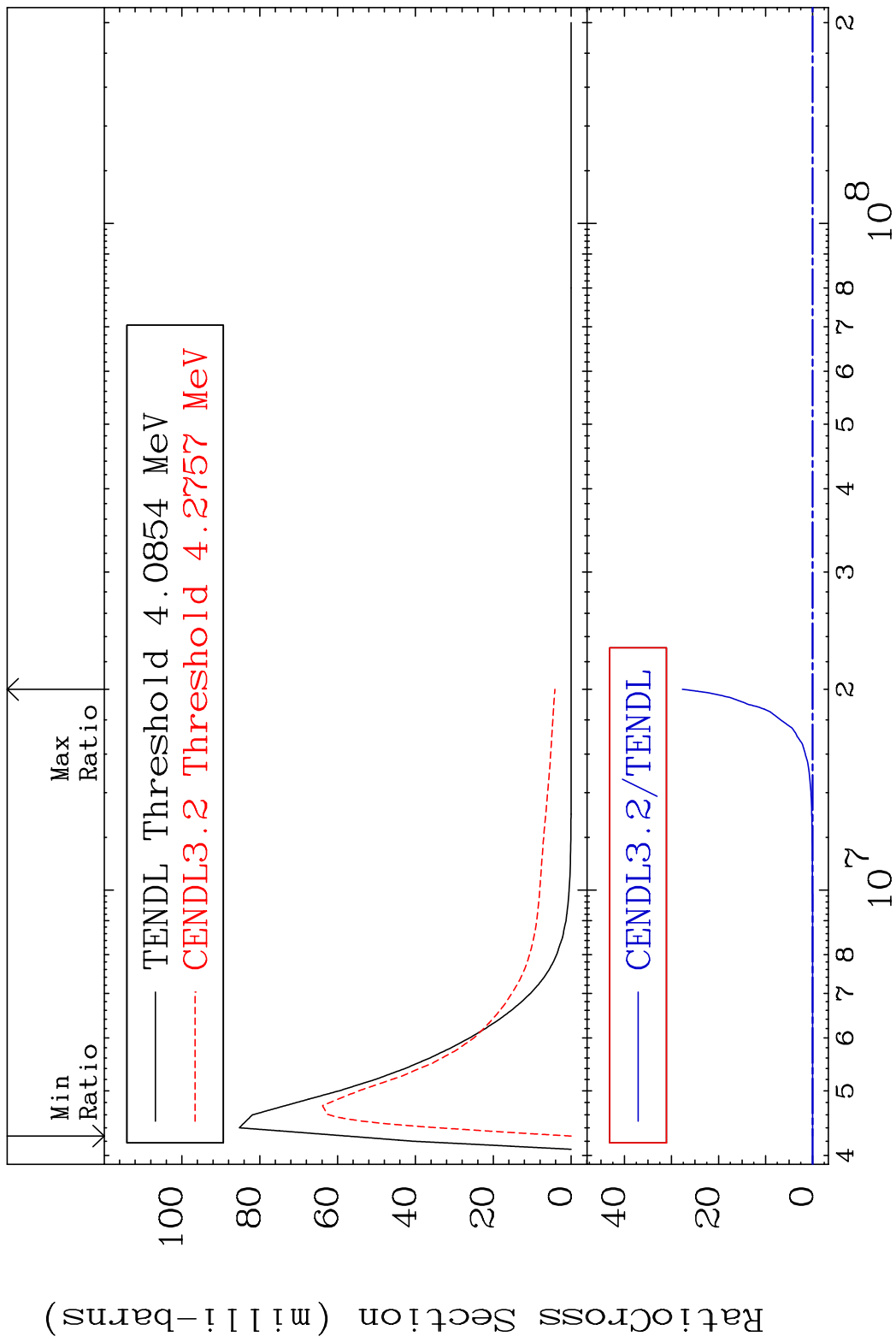


20 Incident Energy (eV) 38-Sr-88

MAT 3837 MT= 64 (n,n') Level 38-Sr-88
 Cross Section -100.0 To -59.45%

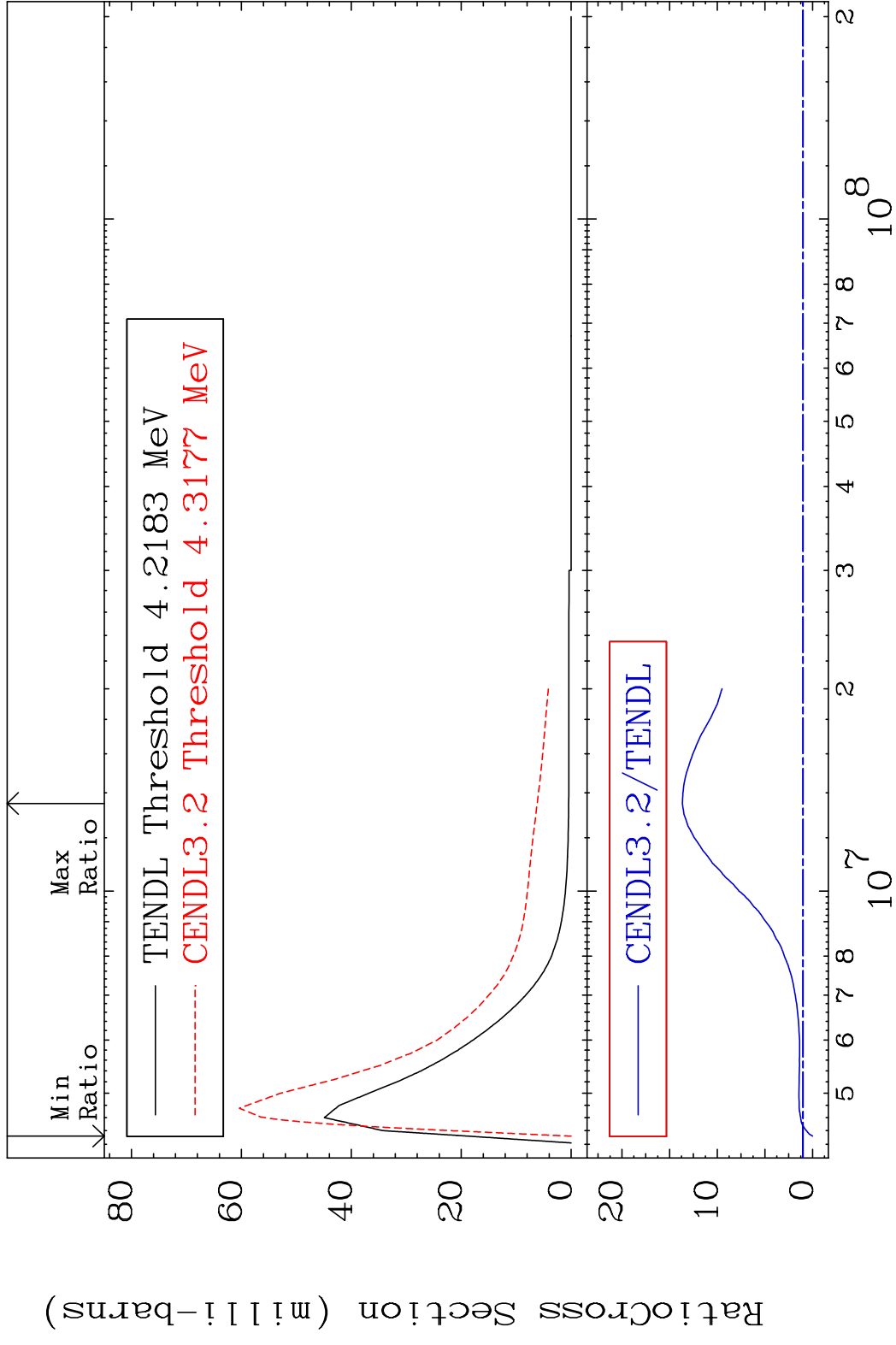


MAT 3837 MT= 65 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %

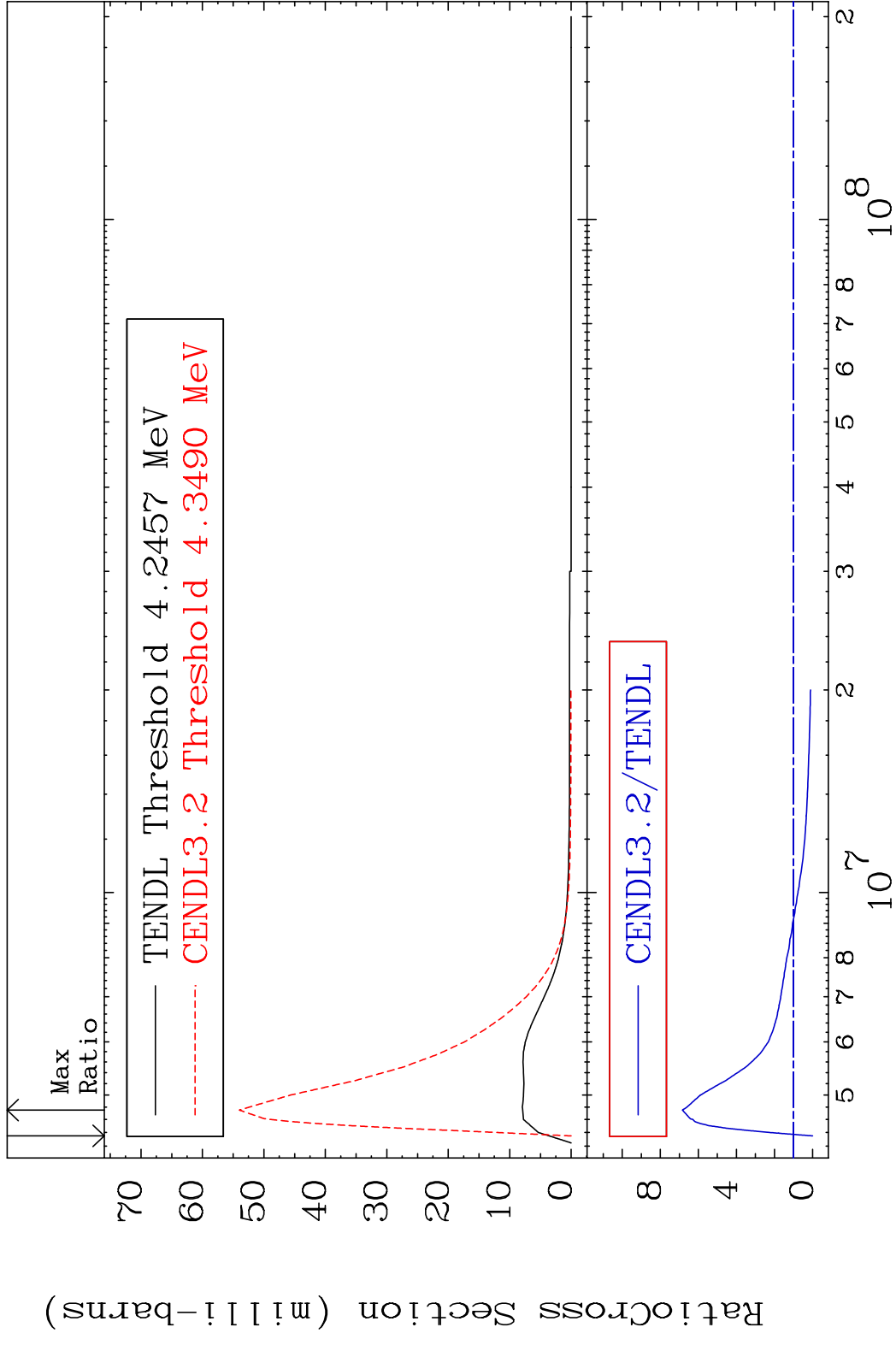


22 Incident Energy (eV) 38-Sr-88

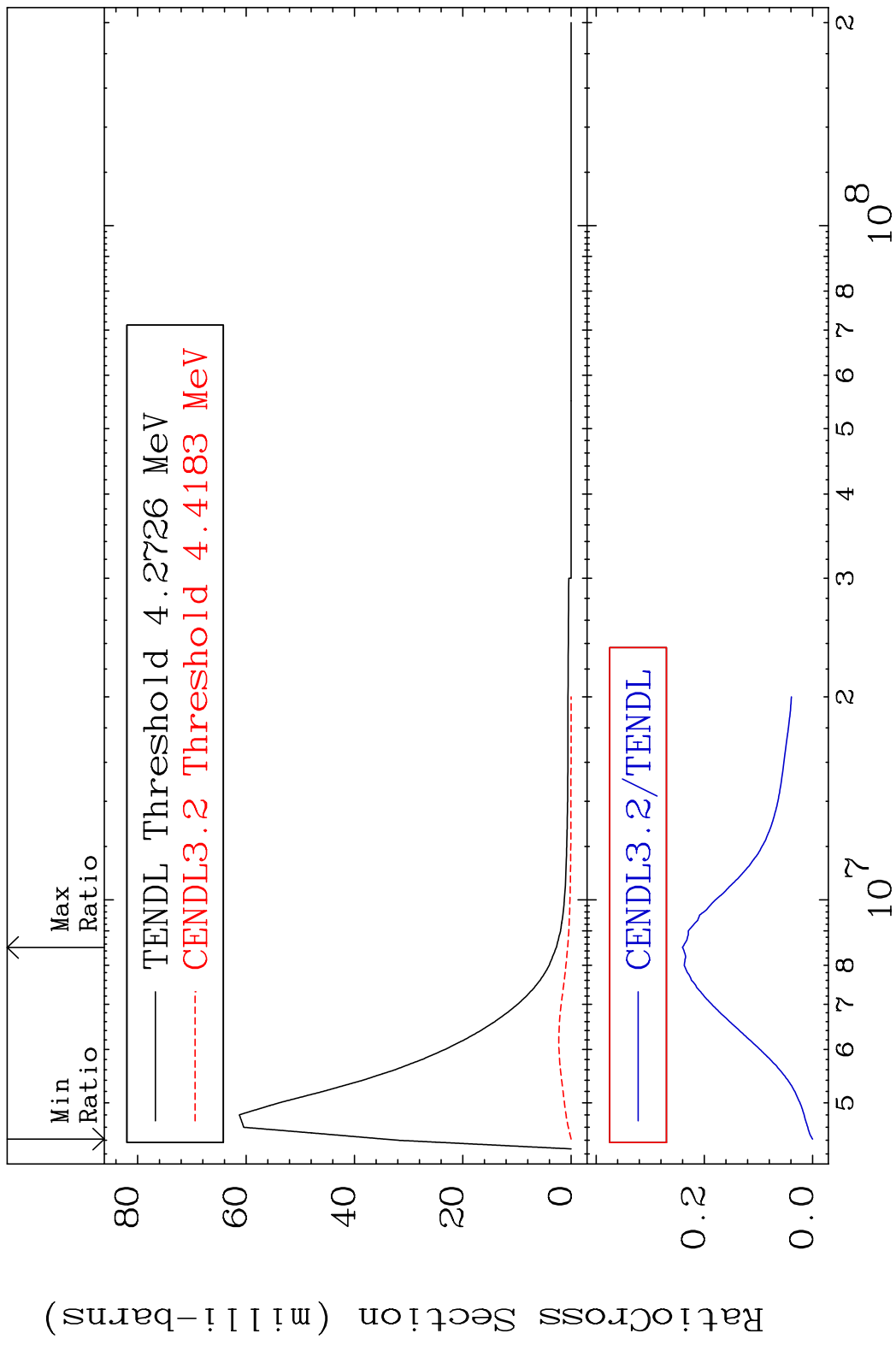
MAT 3837 MT= 66 (n,n') Level 38-Sr-88
 Cross Section -100.0 To 1266. %



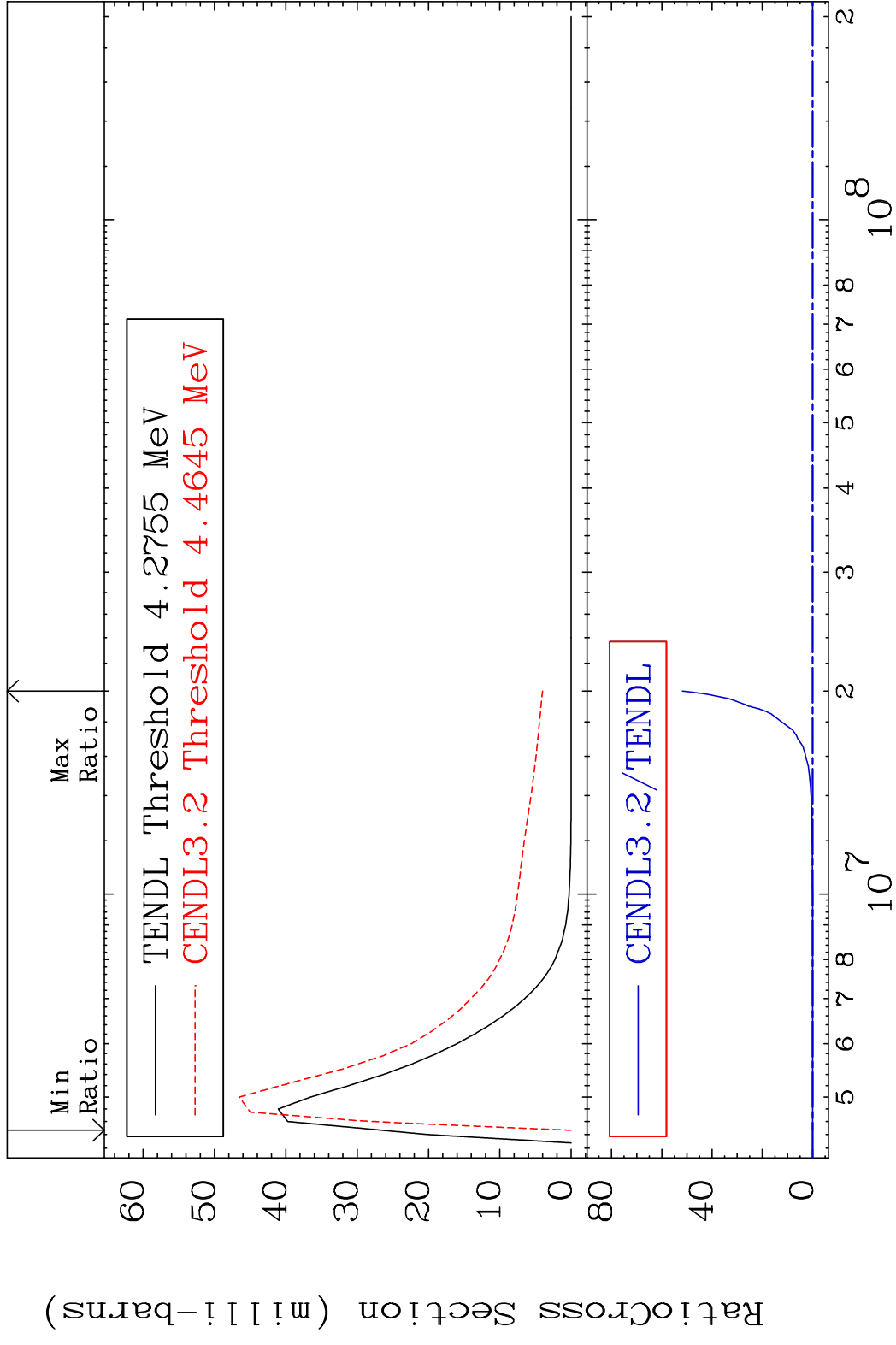
MAT 3837 MT= 67 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 584.0 %



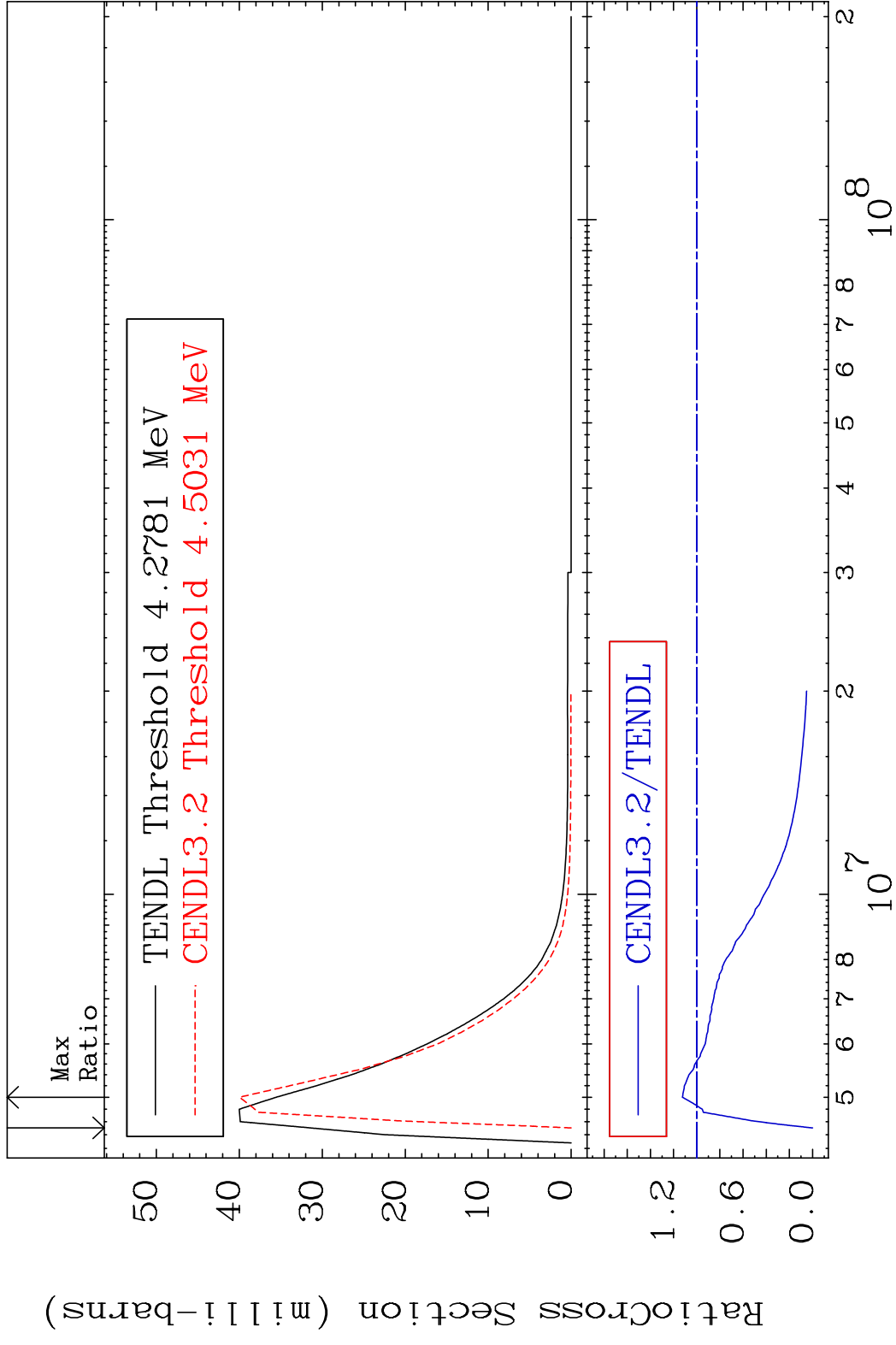
MAT 3837 MT= 68 (n, n') Level 38-Sr-88
 Cross Section -100.0 To -75.94%



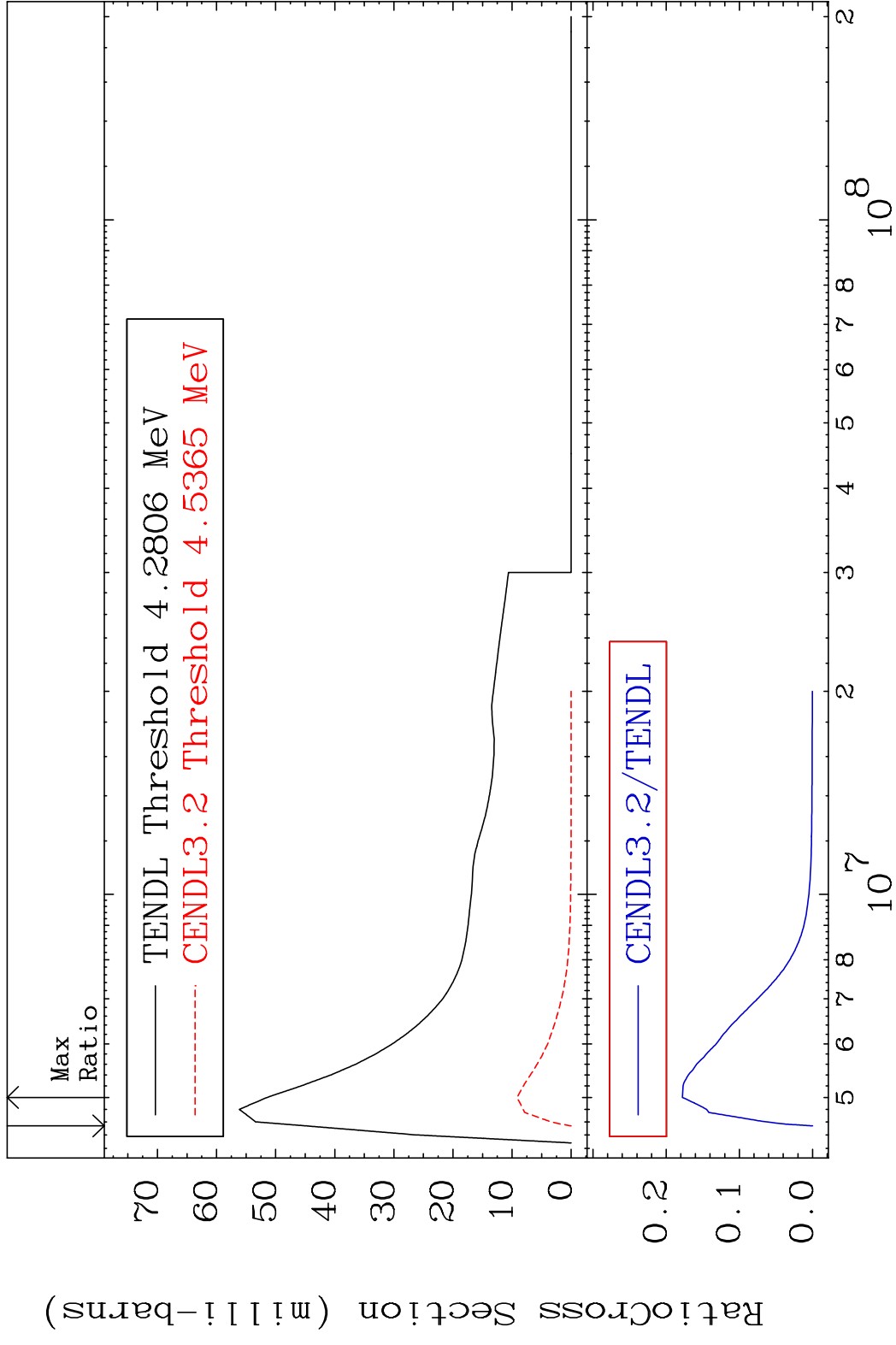
MAT 3837 MT= 69 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 9999. %



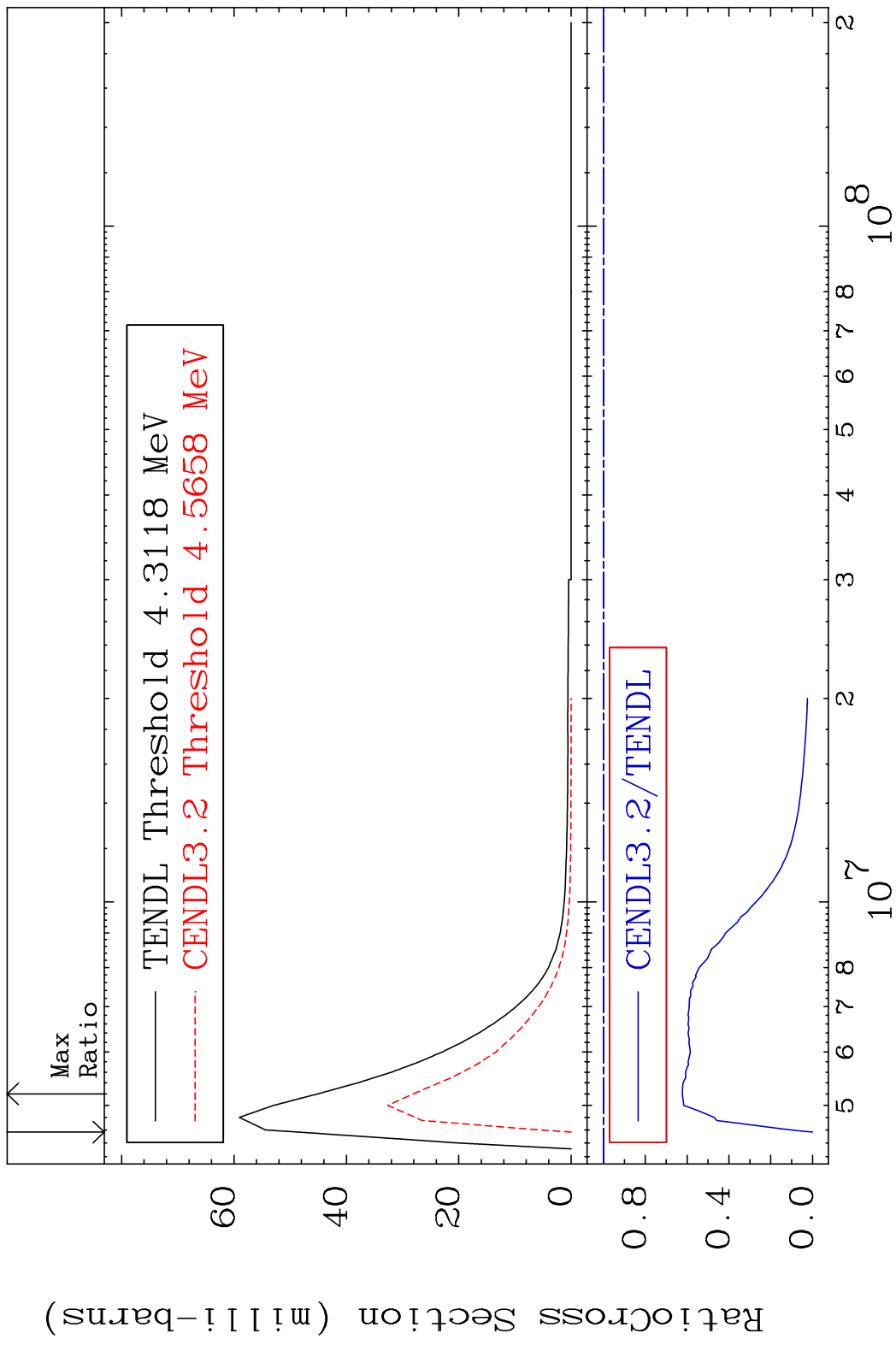
MAT 3837 MT= 70 (n, n') Level 38-Sr-88
 Cross Section -100.0 To 12.41 %



MAT 3837 MT= 71 (n,n') Level 38-Sr-88
 Cross Section -100.0 To -82.21%



MAT 3837 MT= 72 (n, n') Level 38-Sr-88
 Cross Section -100.0 To -37.73%

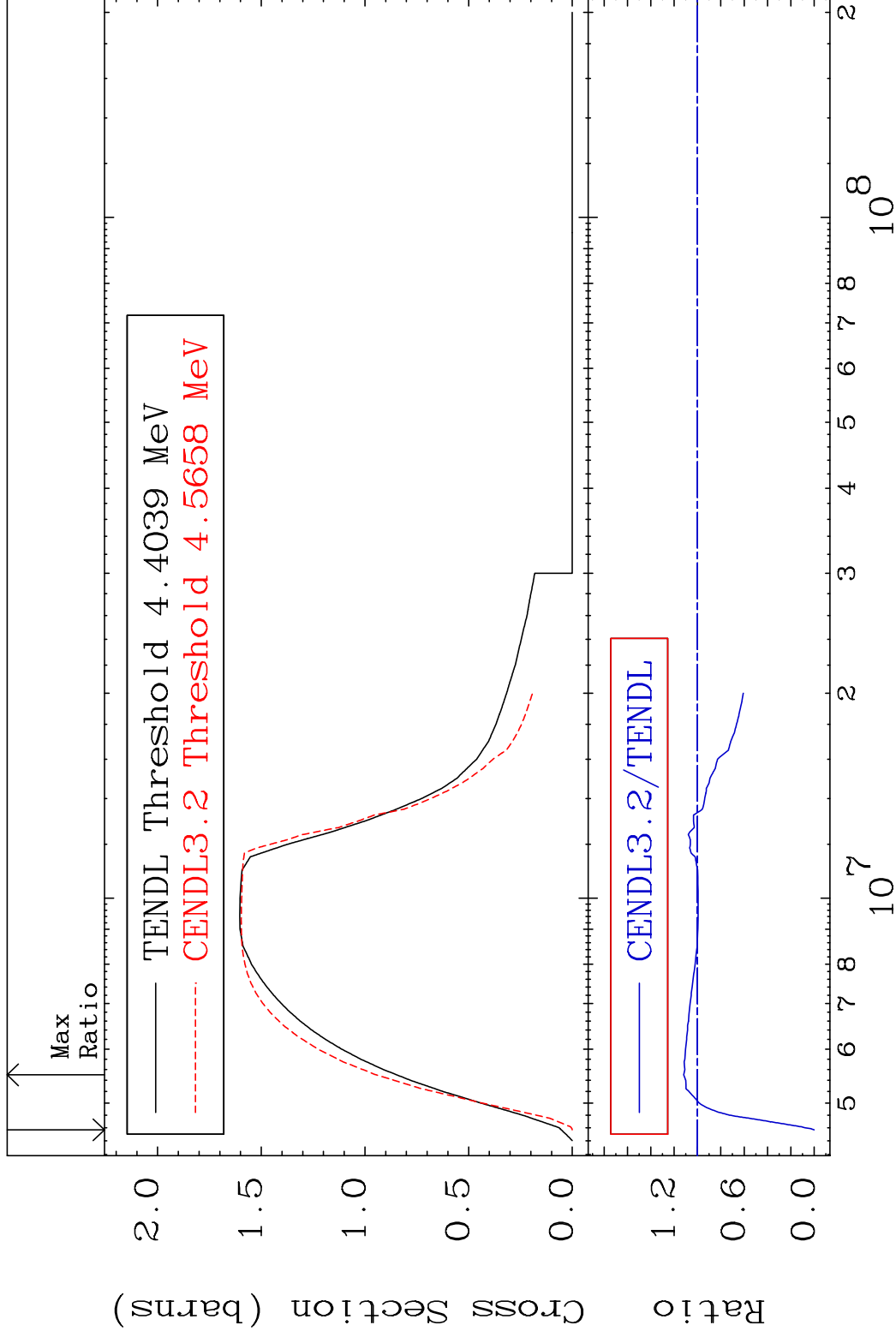


MAT 3837

(n,n') Continuum

38-Sr-88

Cross Section -100.0 To 11.85 %



30

Incident Energy (eV)

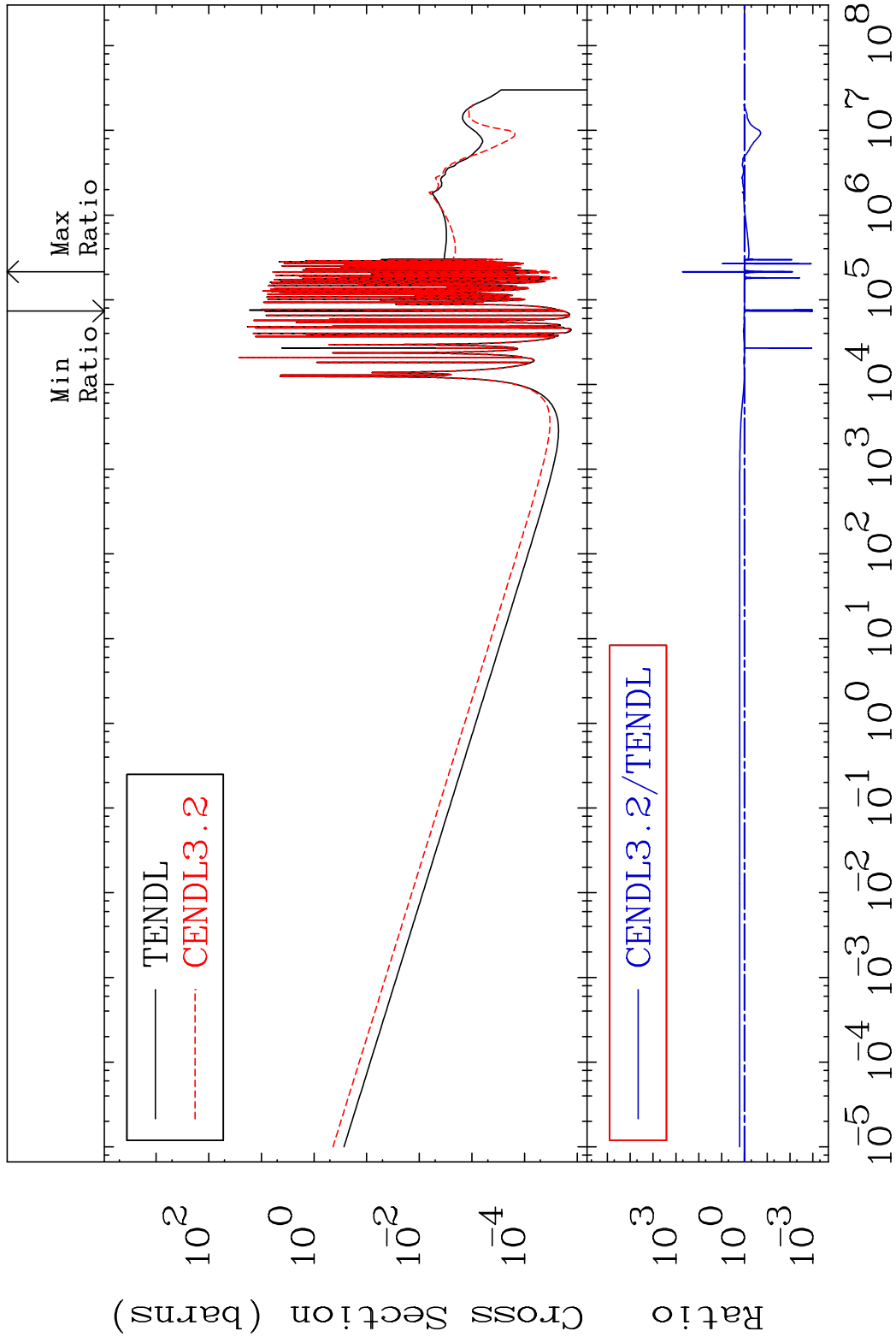
38-Sr-88

MAT 3837

(n, γ)

38-Sr-88

Cross Section -99.90 To 9999. %



31

Incident Energy (eV)

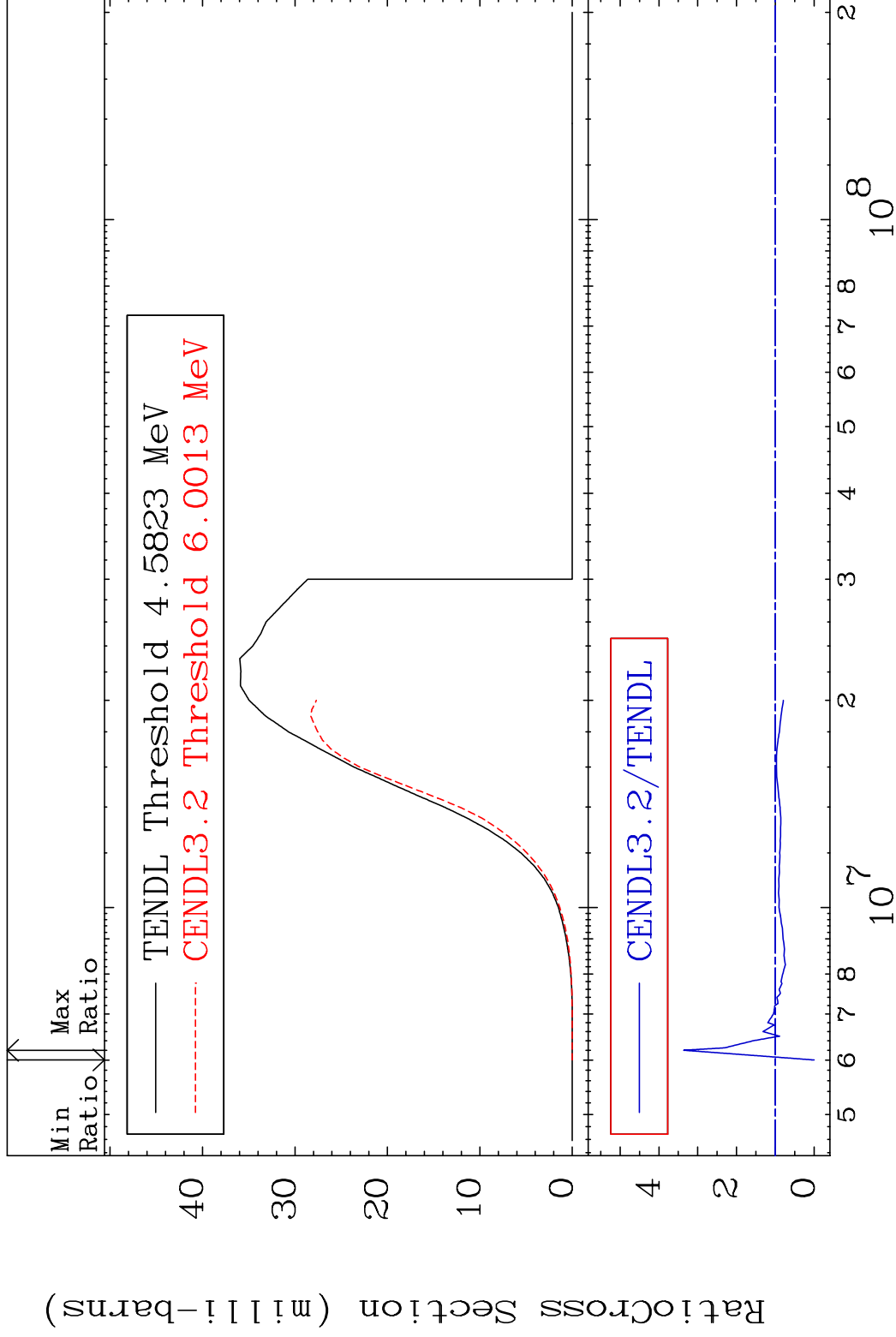
38-Sr-88

MAT 3837

(n, p)

38-Sr-88

Cross Section -100.0 To 236.2 %



32

Incident Energy (eV)

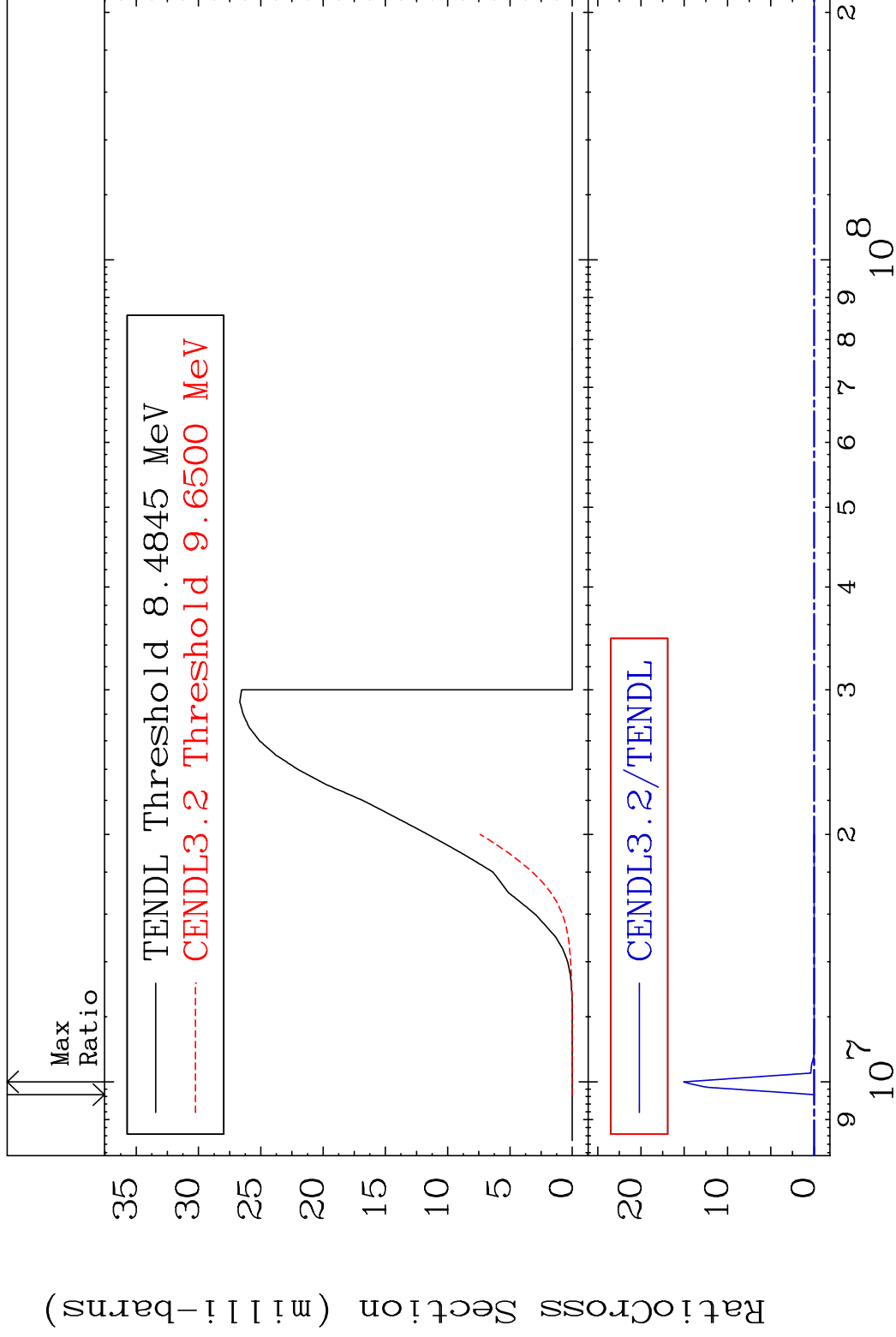
38-Sr-88

MAT 3837

(n,d)

38-Sr-88

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

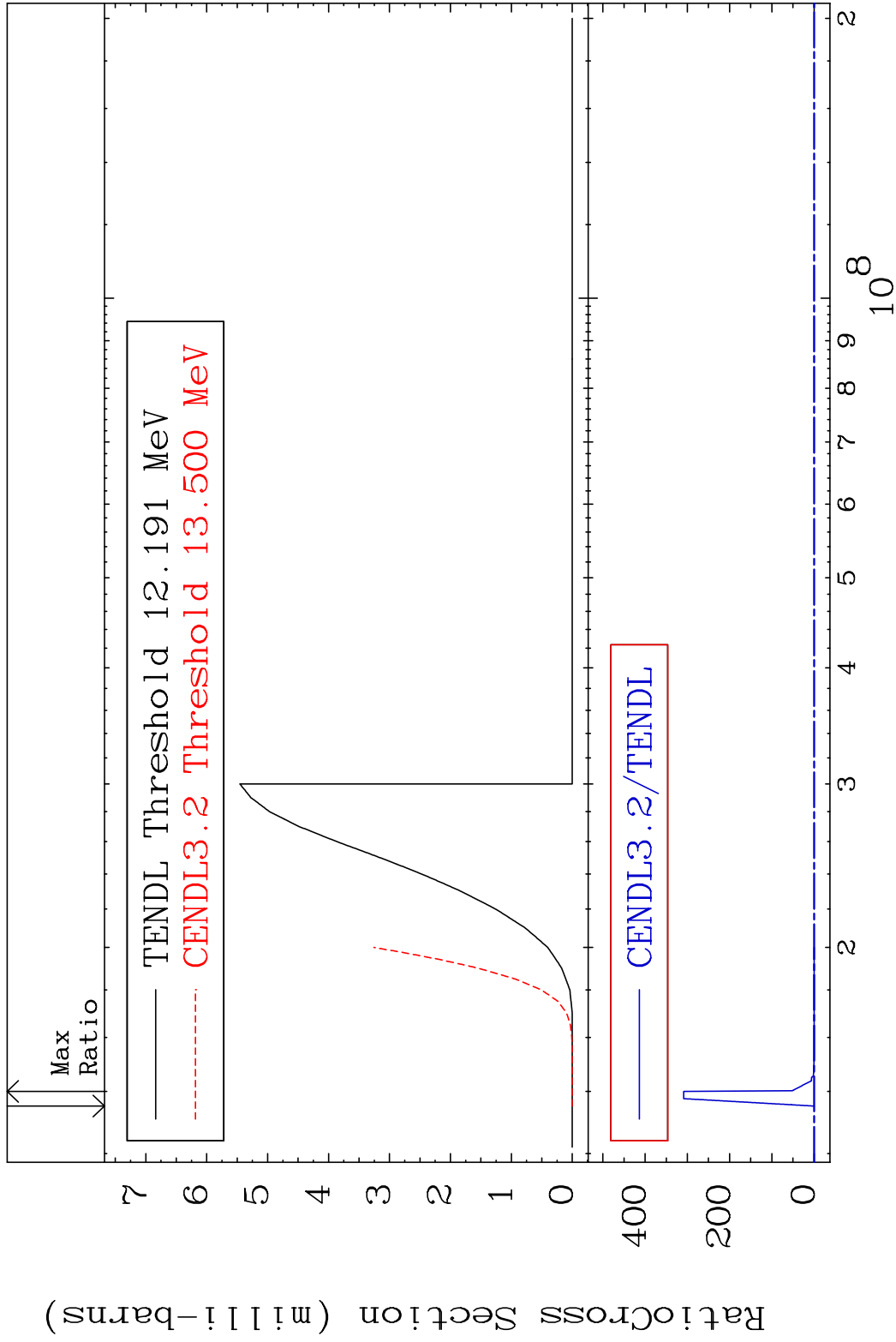
38-Sr-88

MAT 3837

(n, t)

38-Sr-88

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

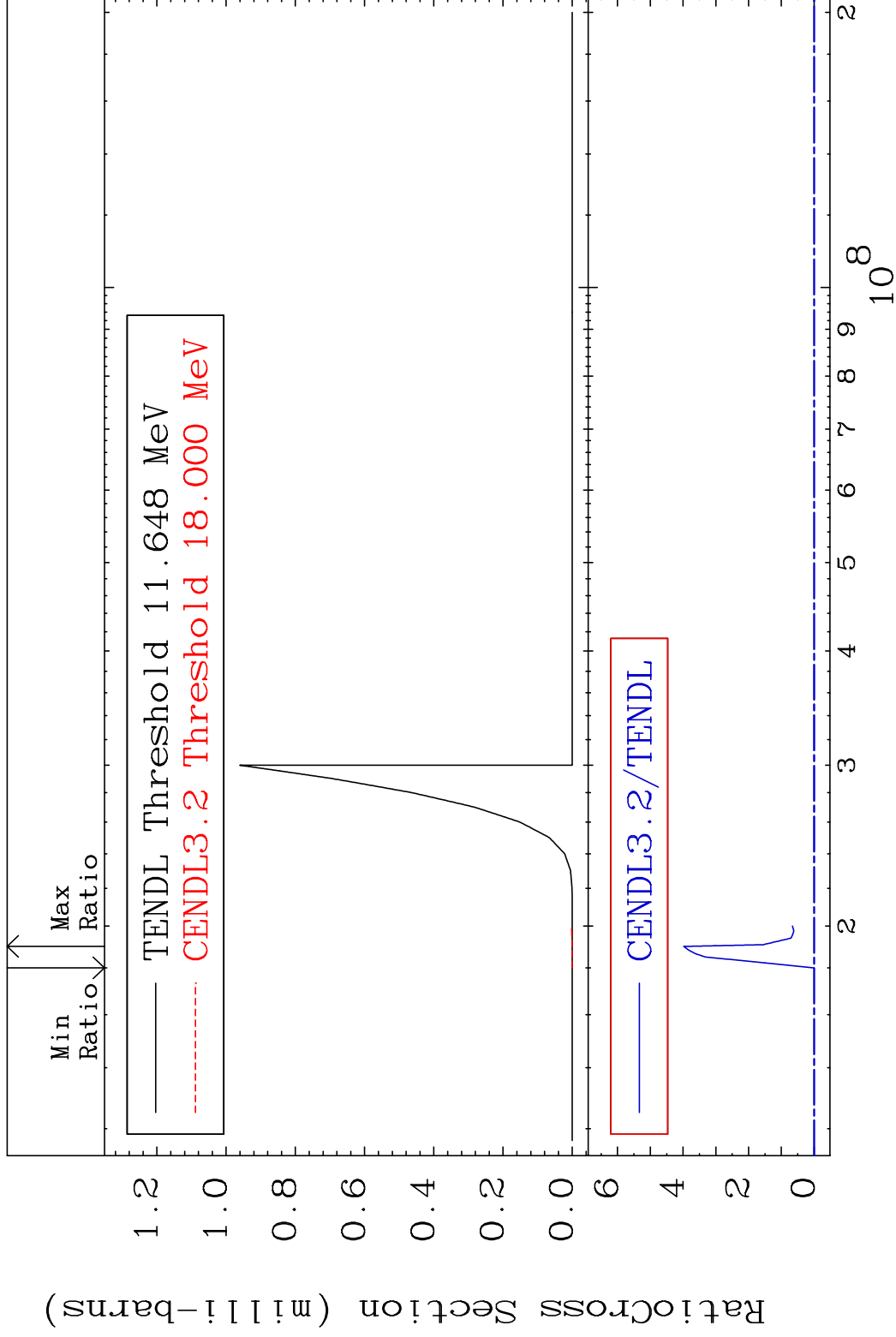
38-Sr-88

MAT 3837

(n, He-3)

38-Sr-88

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

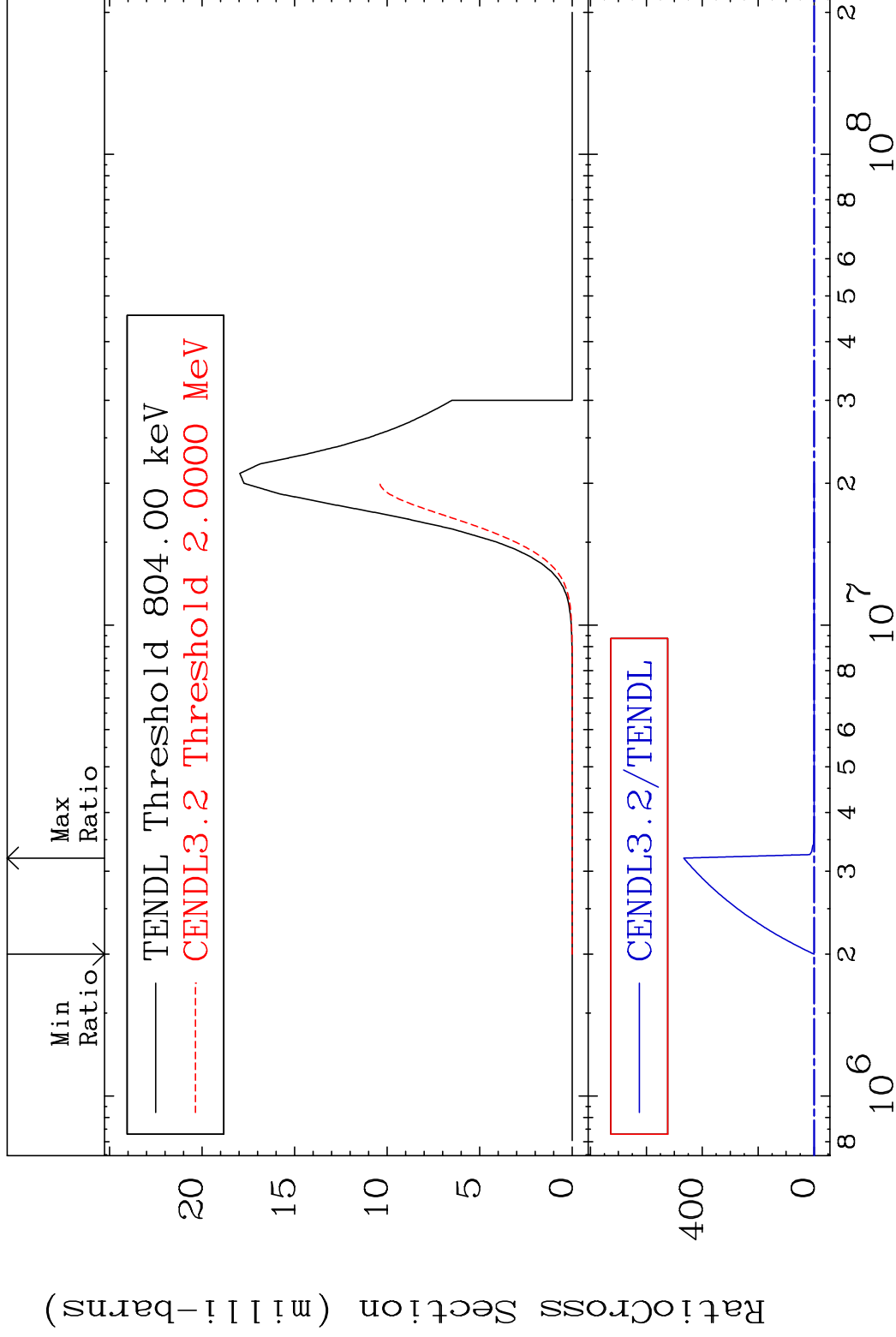
38-Sr-88

MAT 3837

(n, α)

38-Sr-88

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

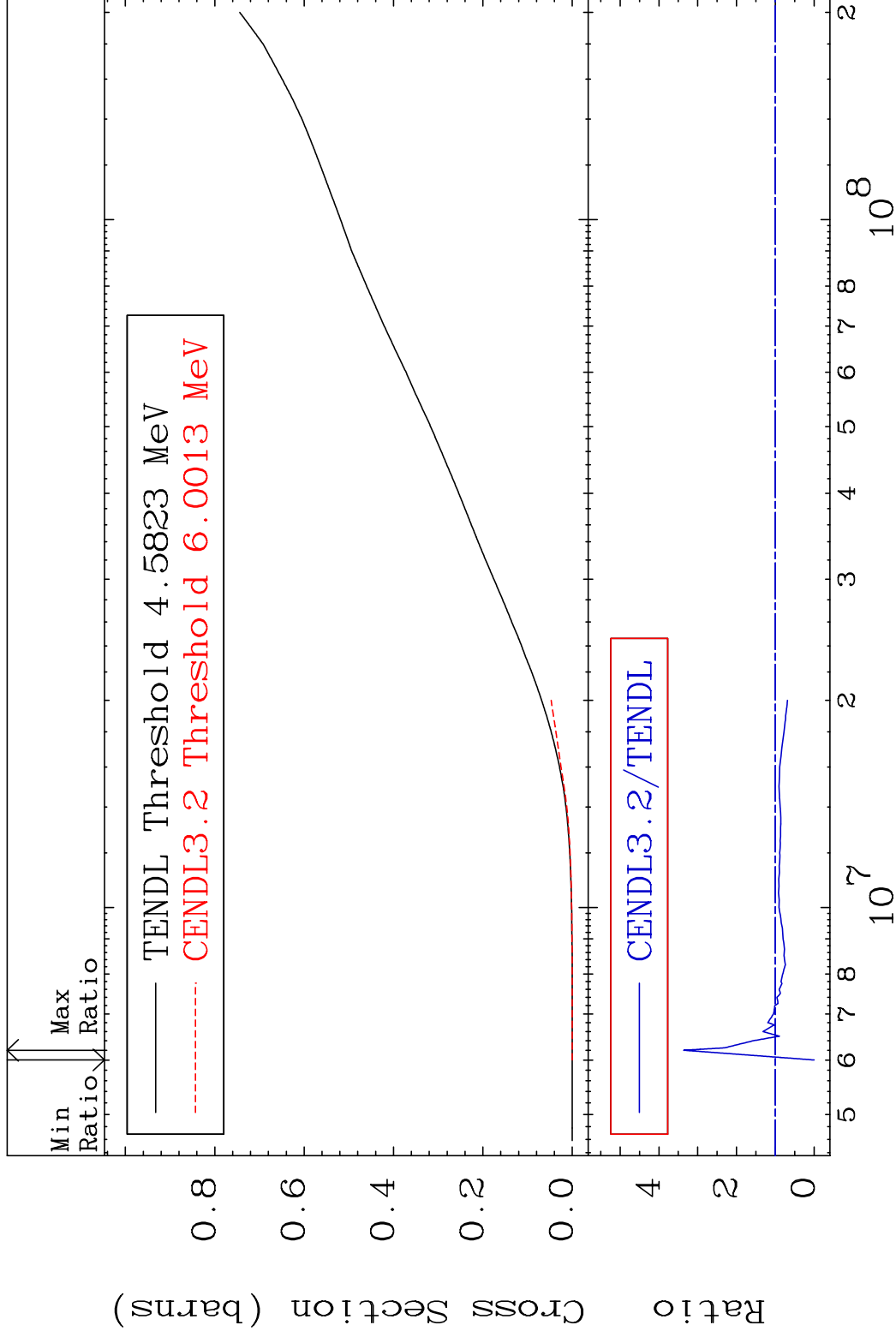
38-Sr-88

MAT 3837

Hydrogen Production

38-Sr-88

Cross Section -100.0 To 236.2 %



37

Incident Energy (eV)

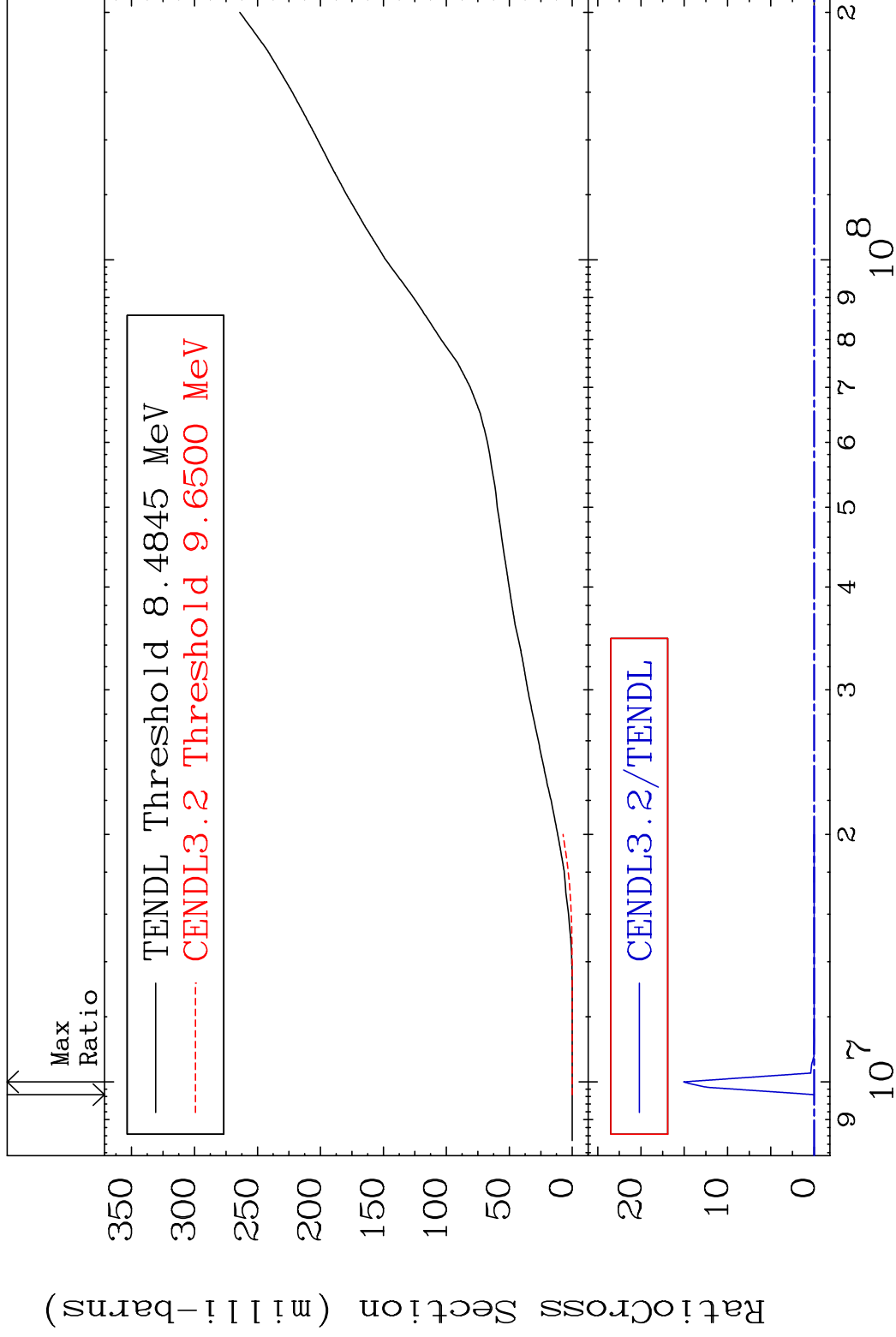
38-Sr-88

MAT 3837

Deuterium Production

38-Sr-88

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

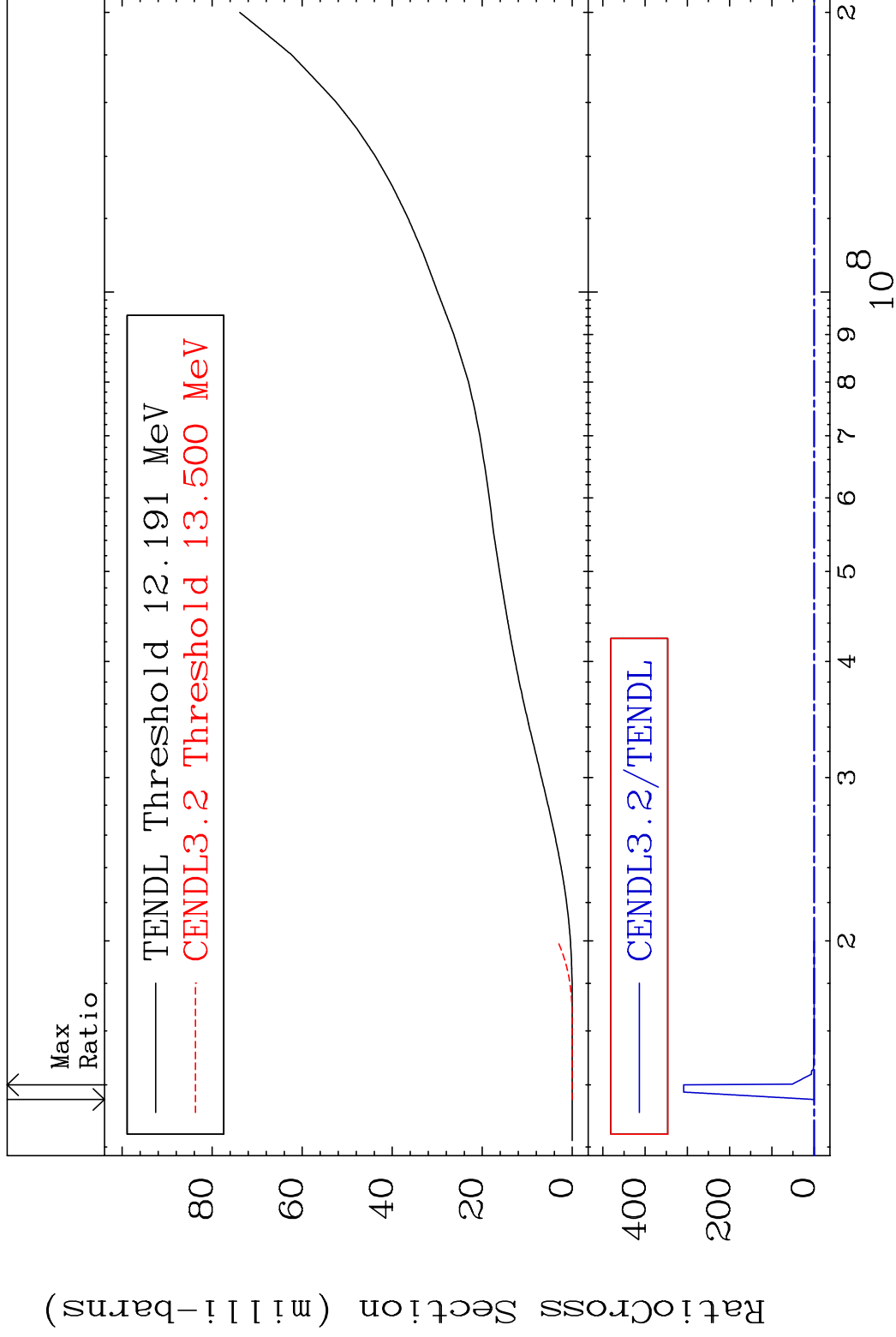
38-Sr-88

MAT 3837

Tritium Production

38-Sr-88

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

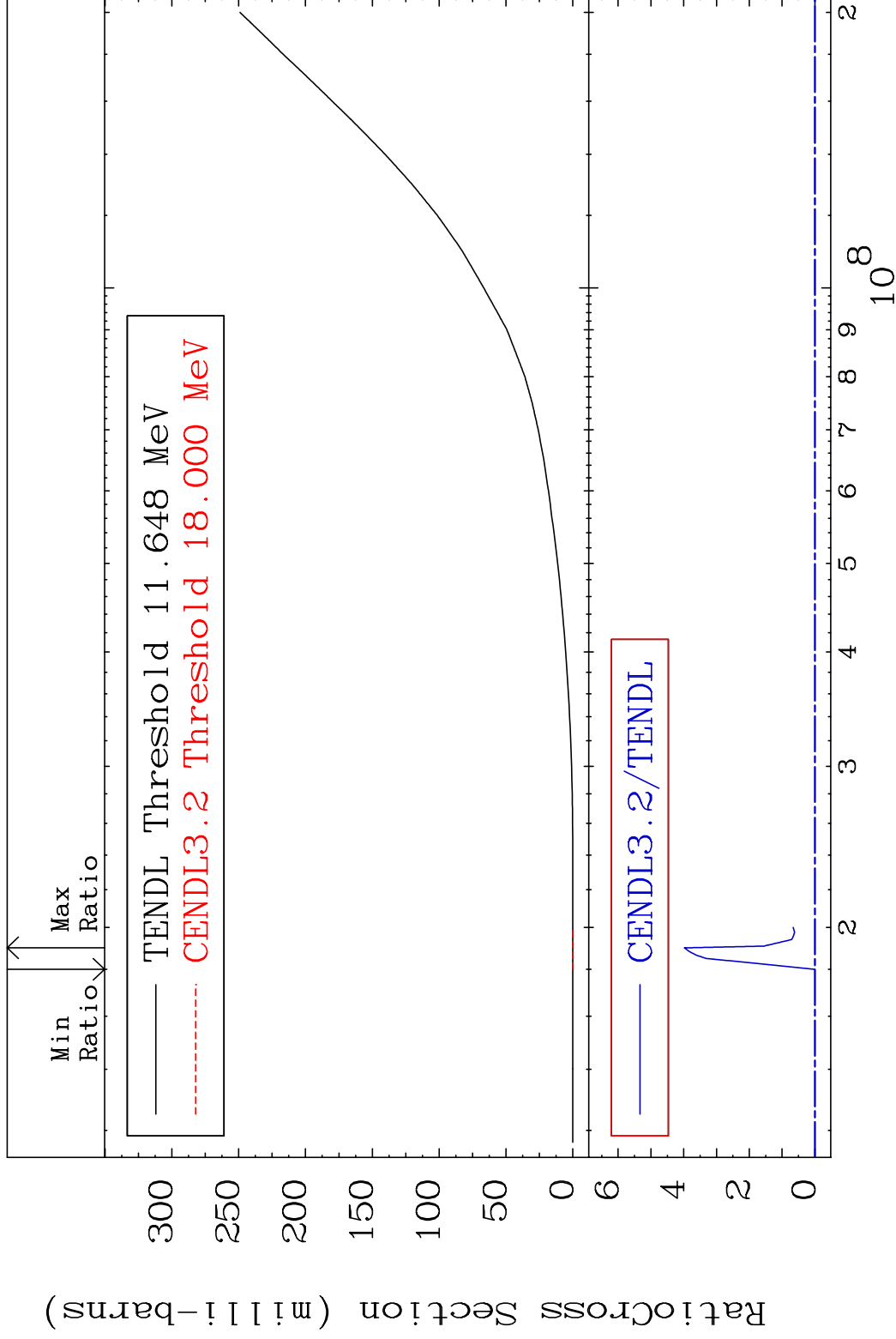
38-Sr-88

MAT 3837

He-3 Production

38-Sr-88

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

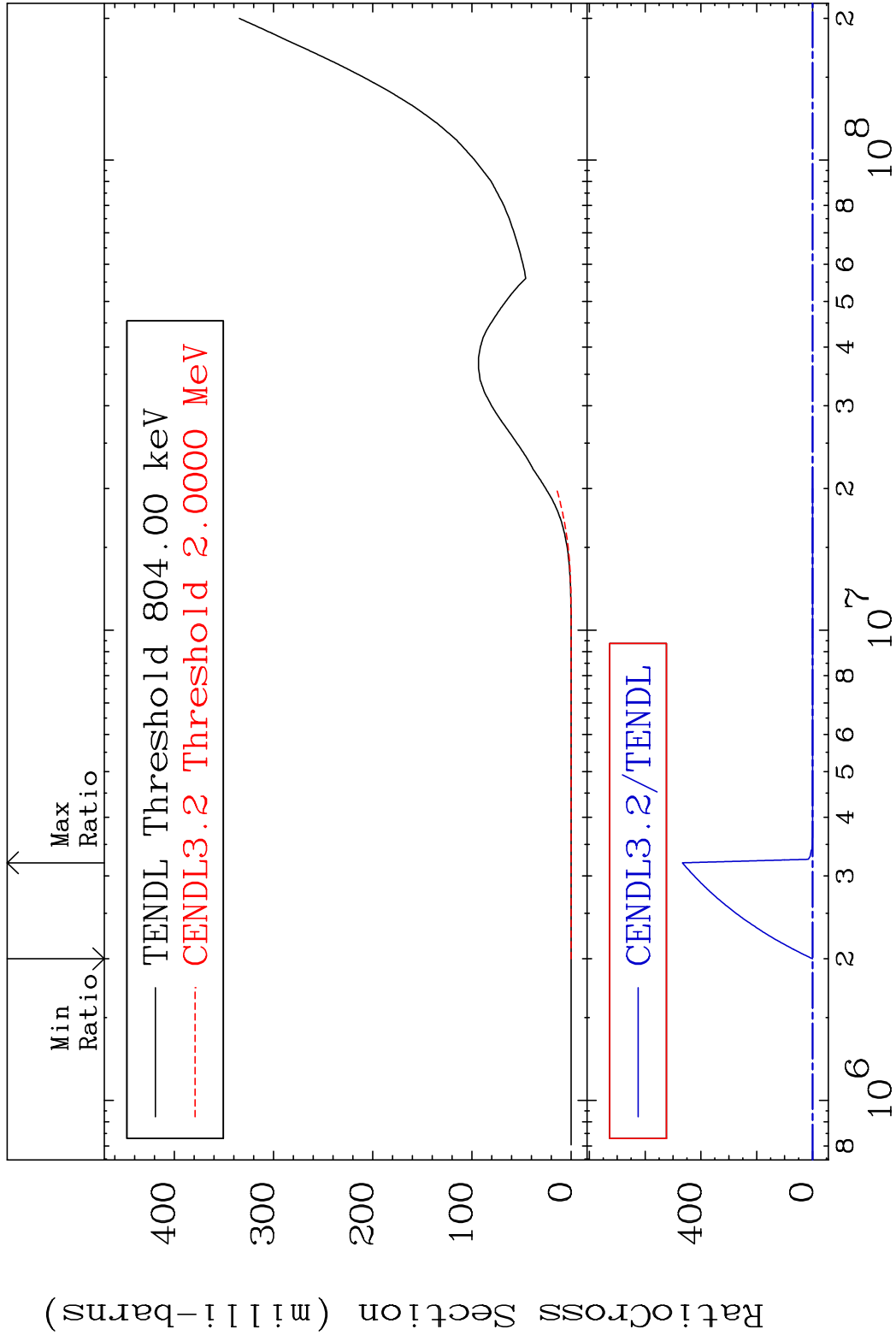
38-Sr-88

MAT 3837

He-4 Production

38-Sr-88

Cross Section -100.0 To 9999. %

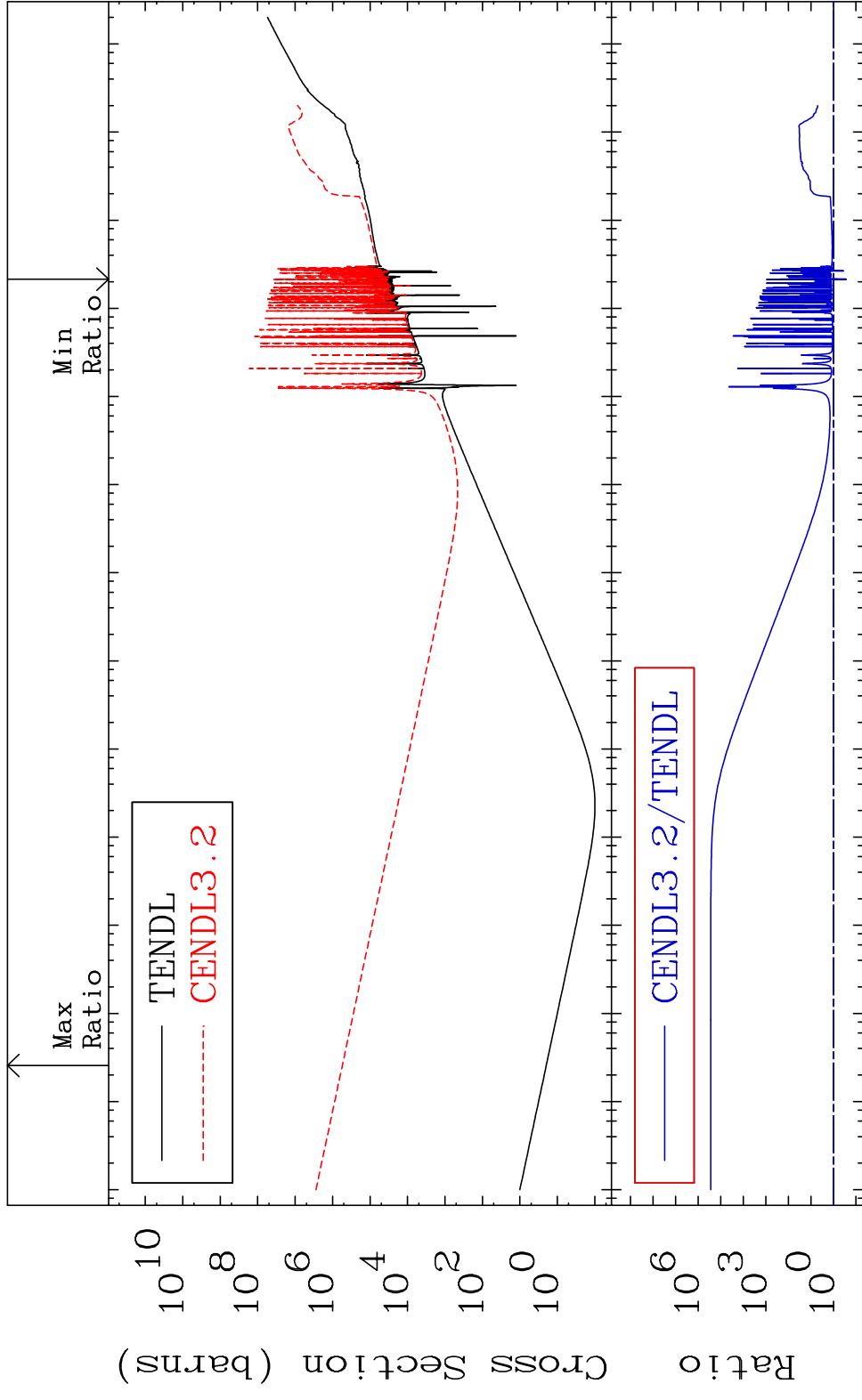


41

Incident Energy (eV)

38-Sr-88

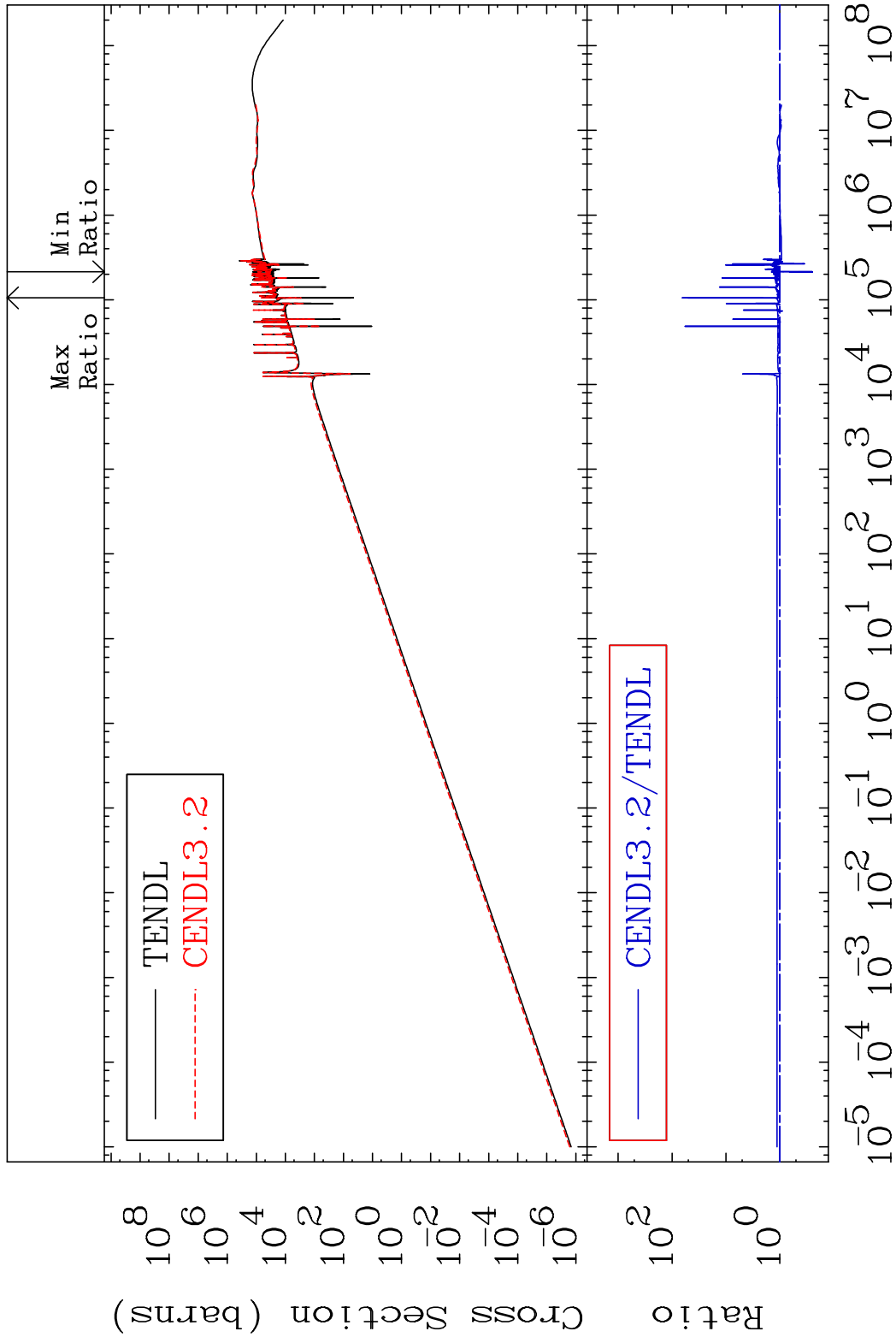
MAT 3837 Kerma total (eV-barns) 38-Sr-88
 Cross Section -73.17 To 9999. %



MAT 3837

Kerma elastic
Cross Section

38-Sr-88
-75.34 To 6331. %

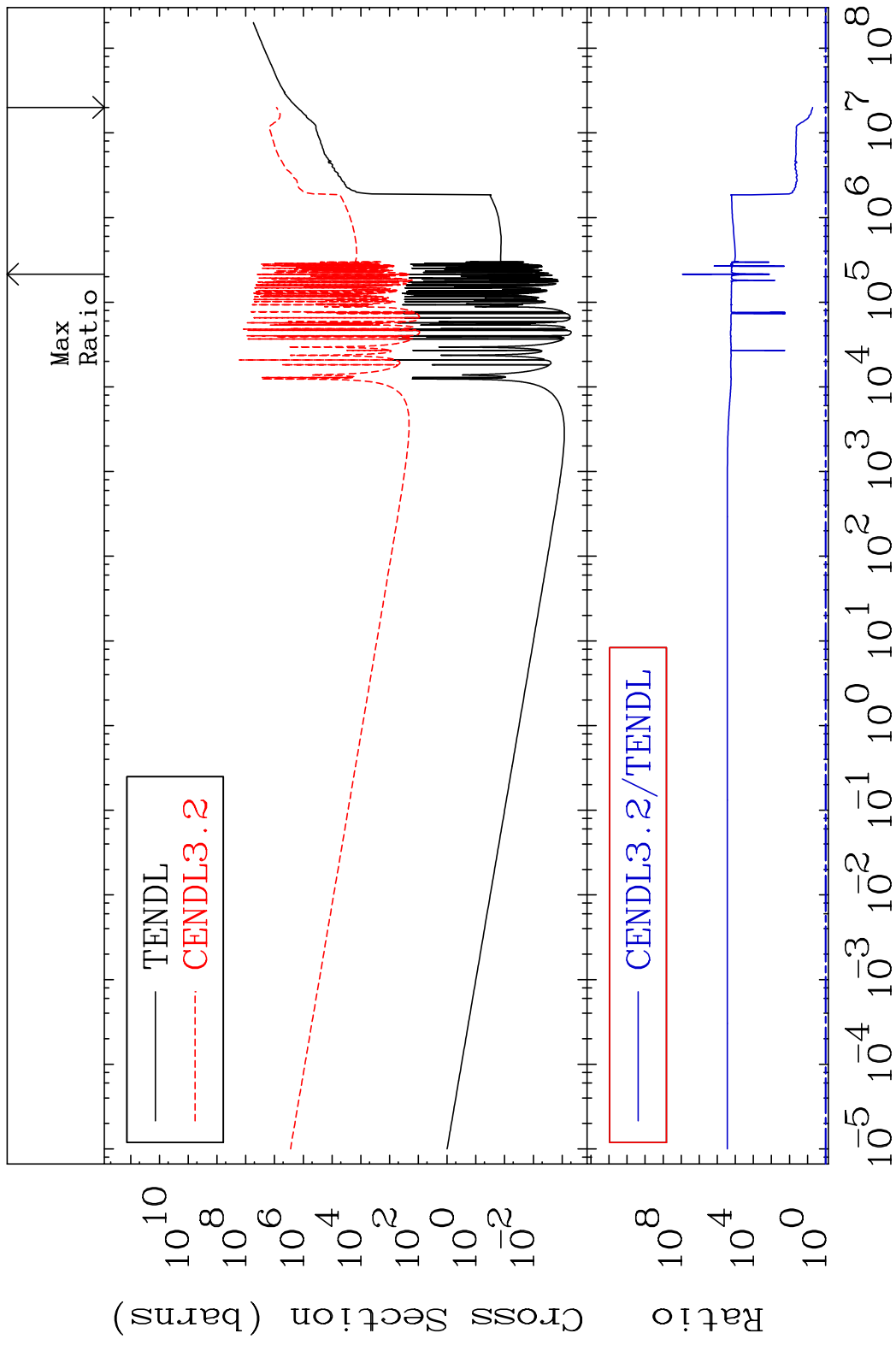


43

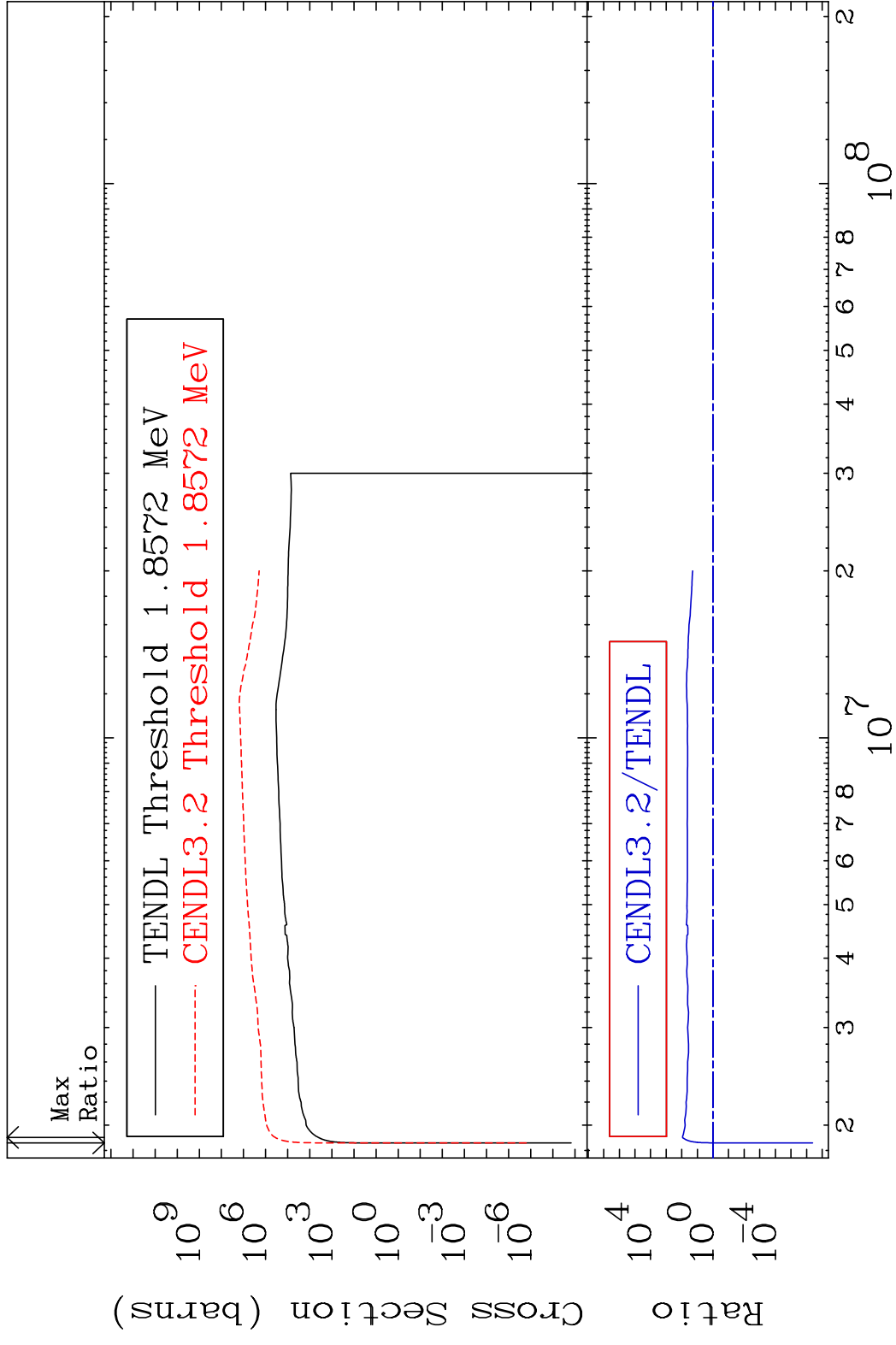
Incident Energy (eV)

38-Sr-88

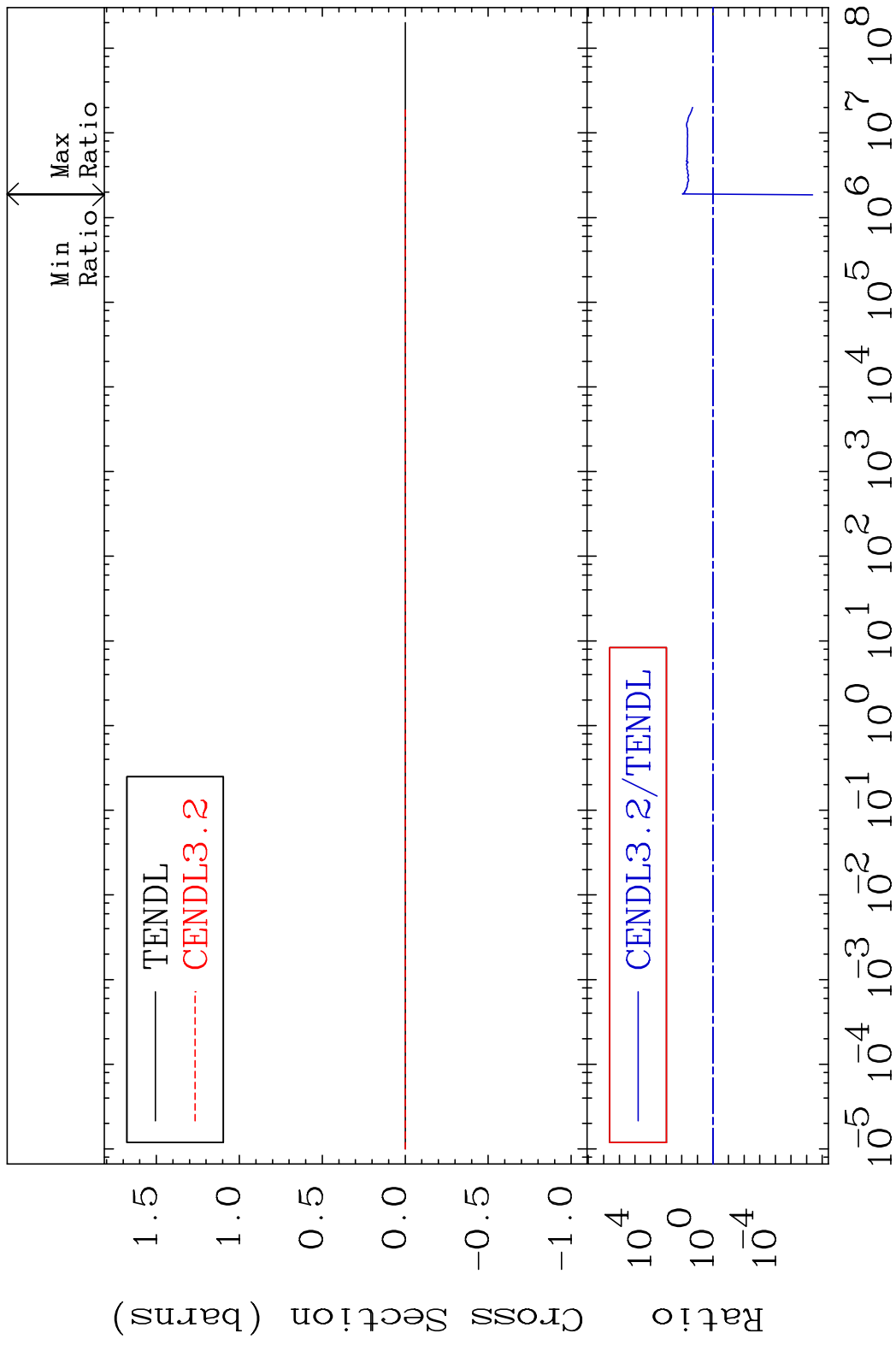
MAT 3837 Kerma non-elastic (all but mt2) 38-Sr-88
 Cross Section 426.8 To 9999. %



MAT 3837 Kerma inelastic (mt51-91) 38-Sr-88
 Cross Section -100.0 To 9056. %

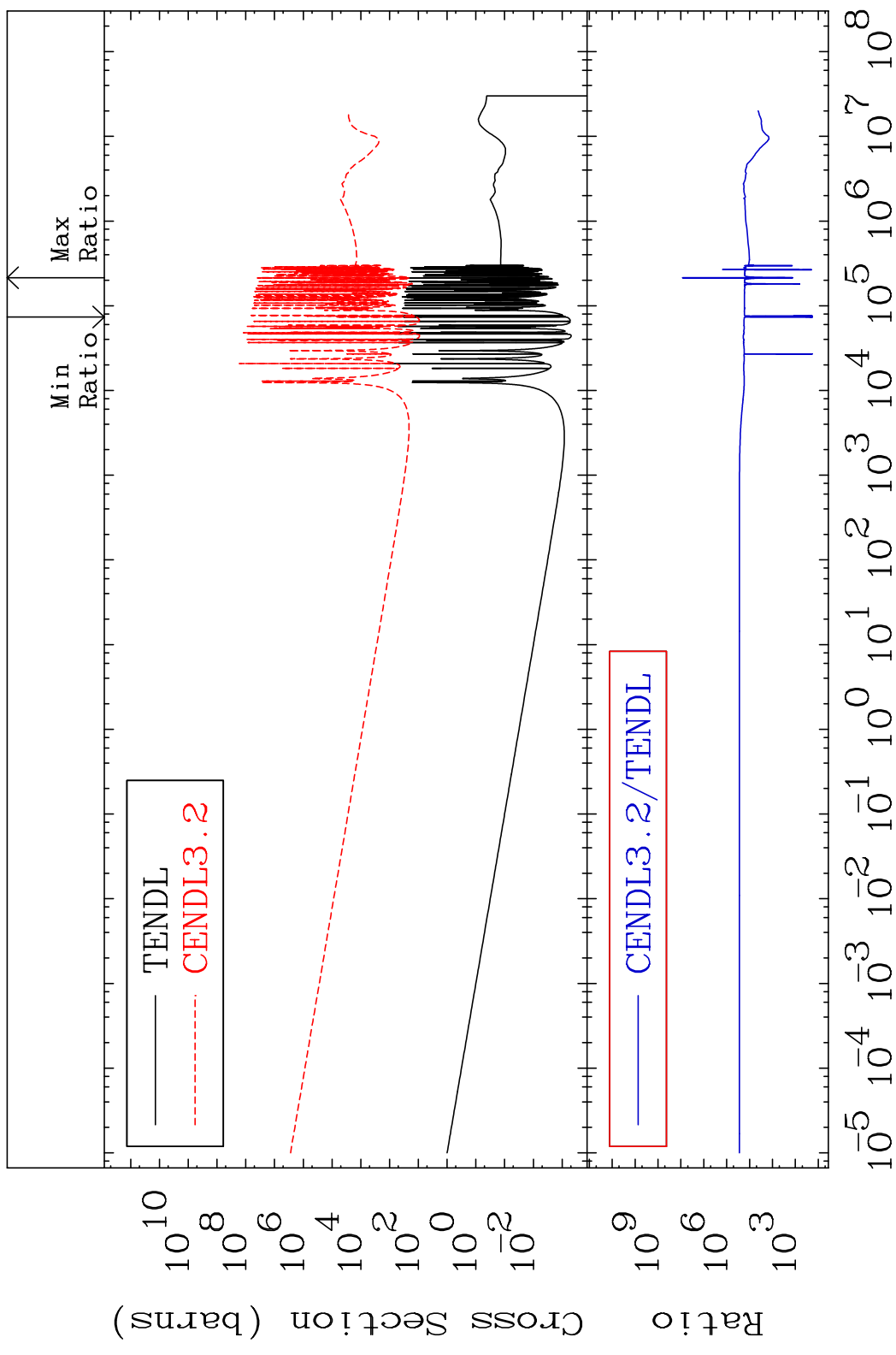


MAT 3837 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-88
 Cross Section -100.0 To 9056. %



MAT 3837

Kerma capture (mt102) 38-Sr-88
Cross Section 9999. To 9999. %

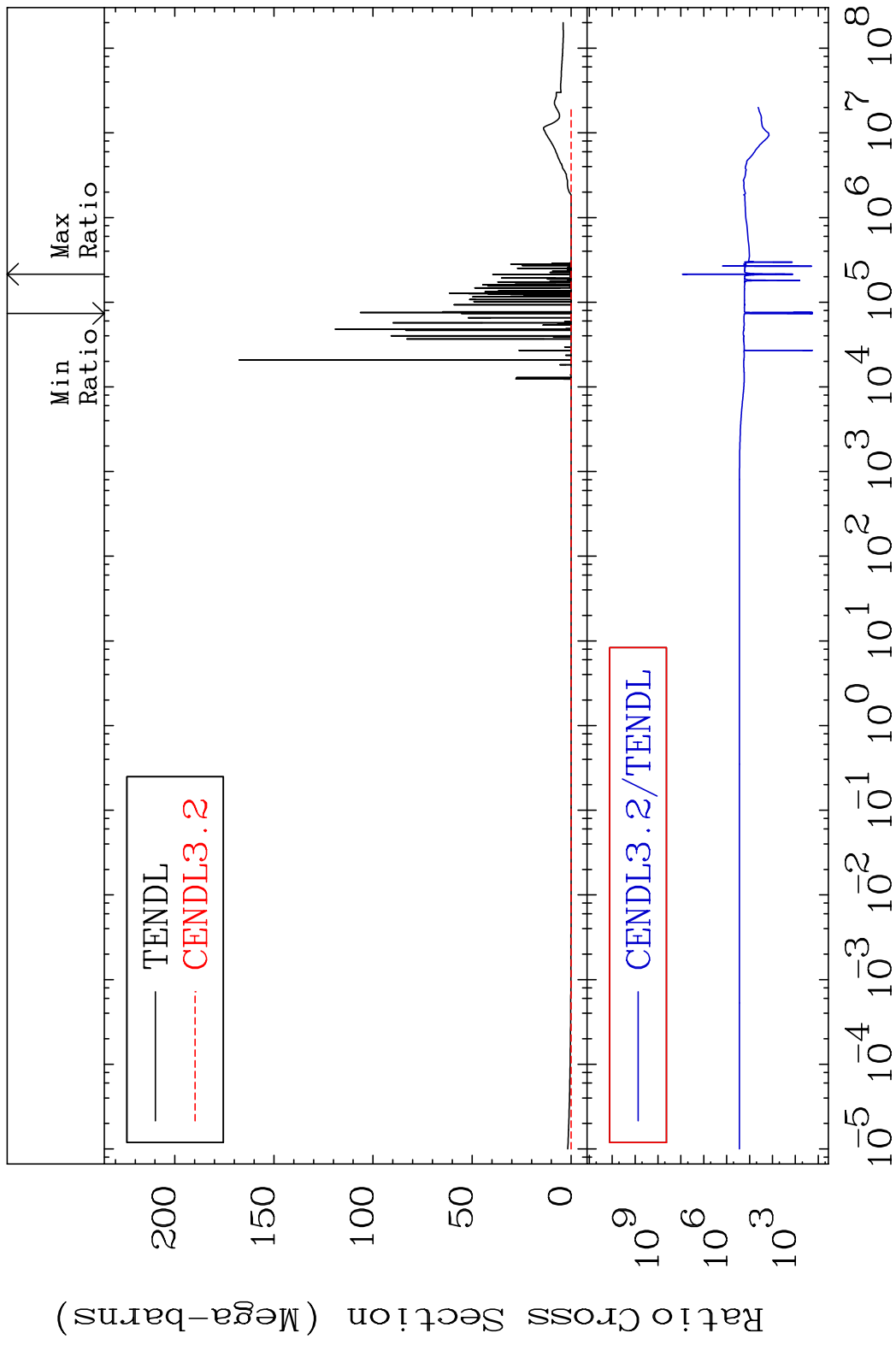


47

Incident Energy (eV)

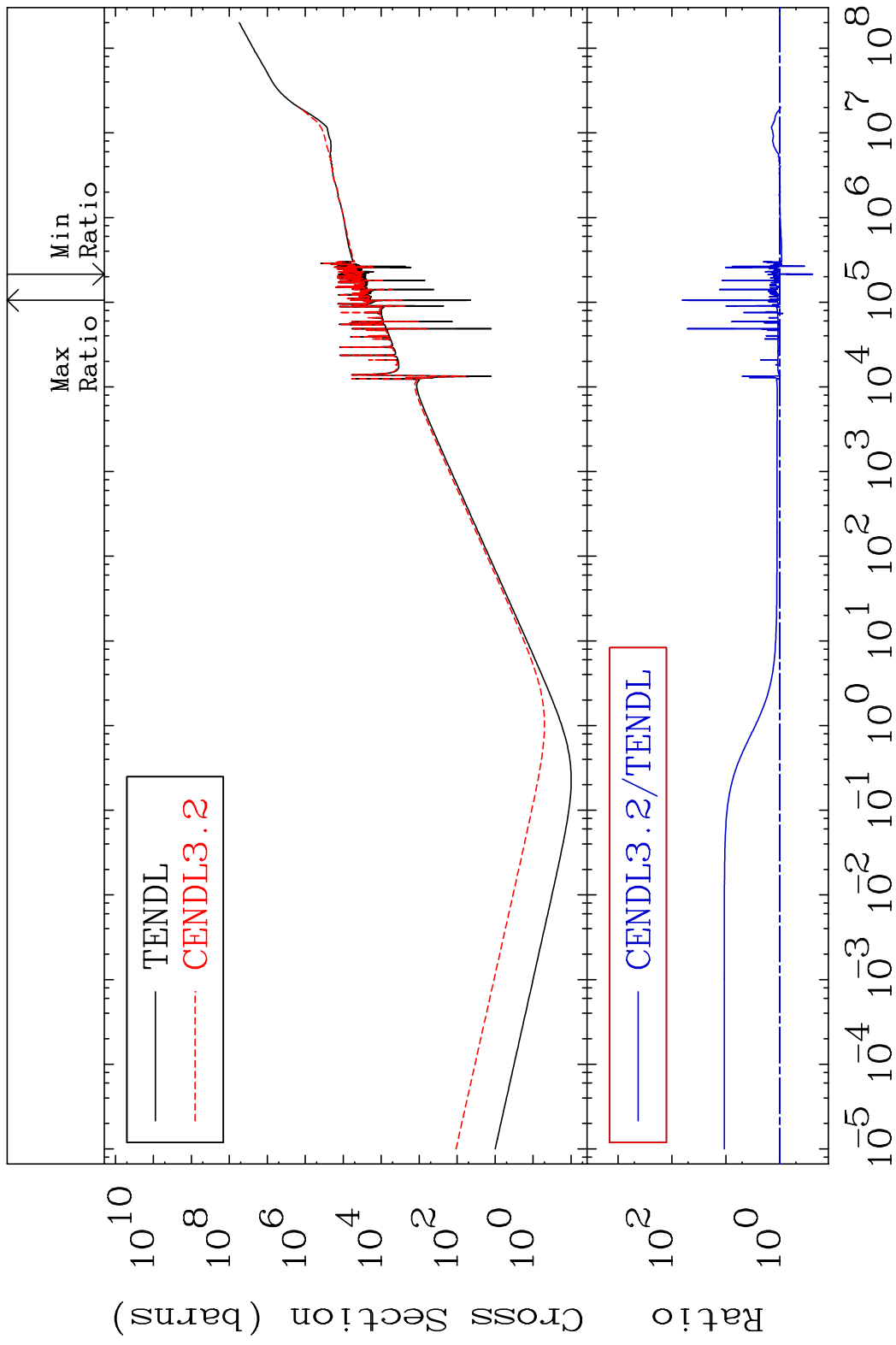
38-Sr-88

MAT 3837 Total photon (eV-barns) 38-Sr-88
Cross Section 9999. To 9999. %



48 Incident Energy (eV) 38-Sr-88

MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
 Cross Section -75.29 To 6312. %

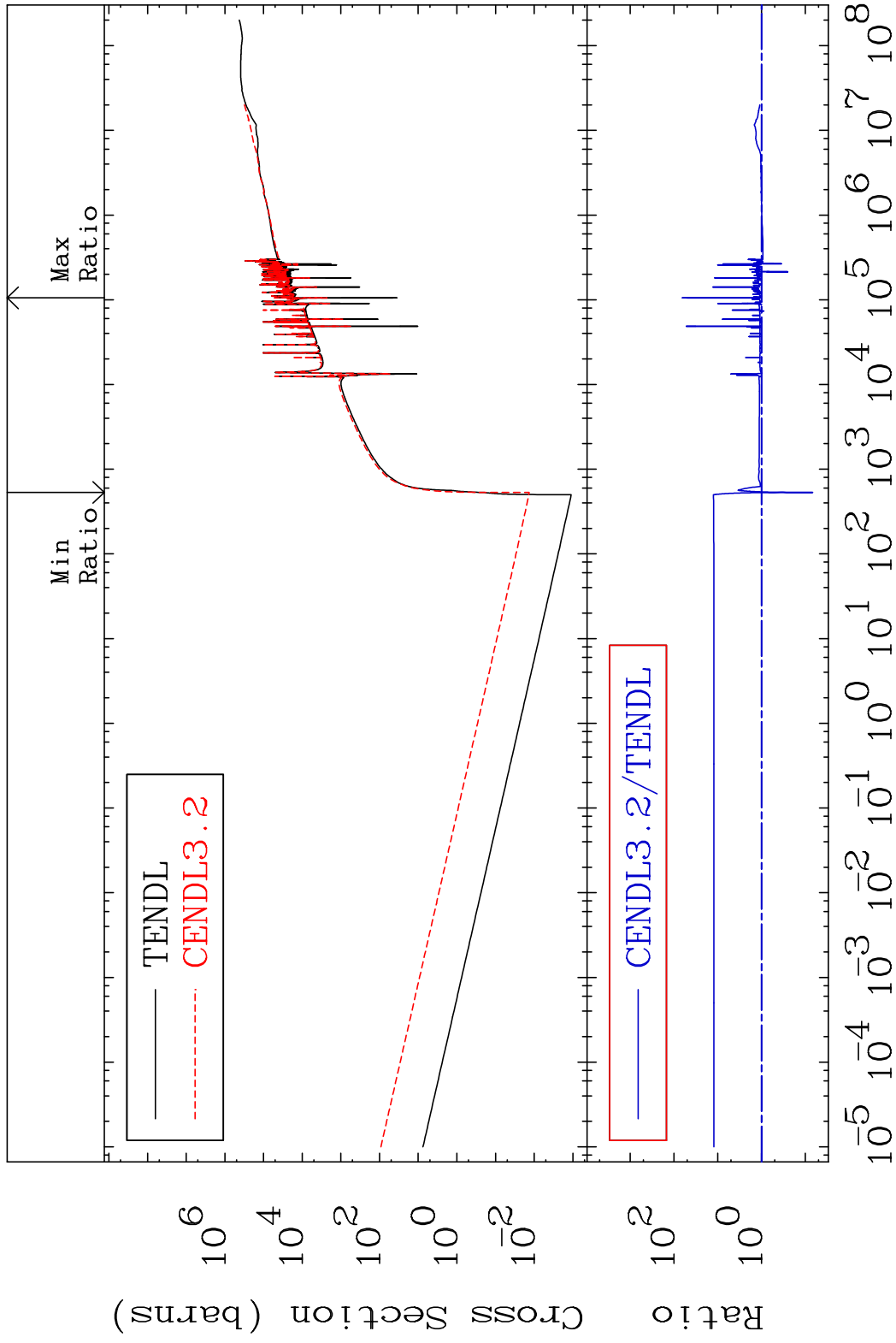


MAT 3837

Dpa total (eV-barns)

38-Sr-88

Cross Section -93.17 To 6326. %



50

Incident Energy (eV)

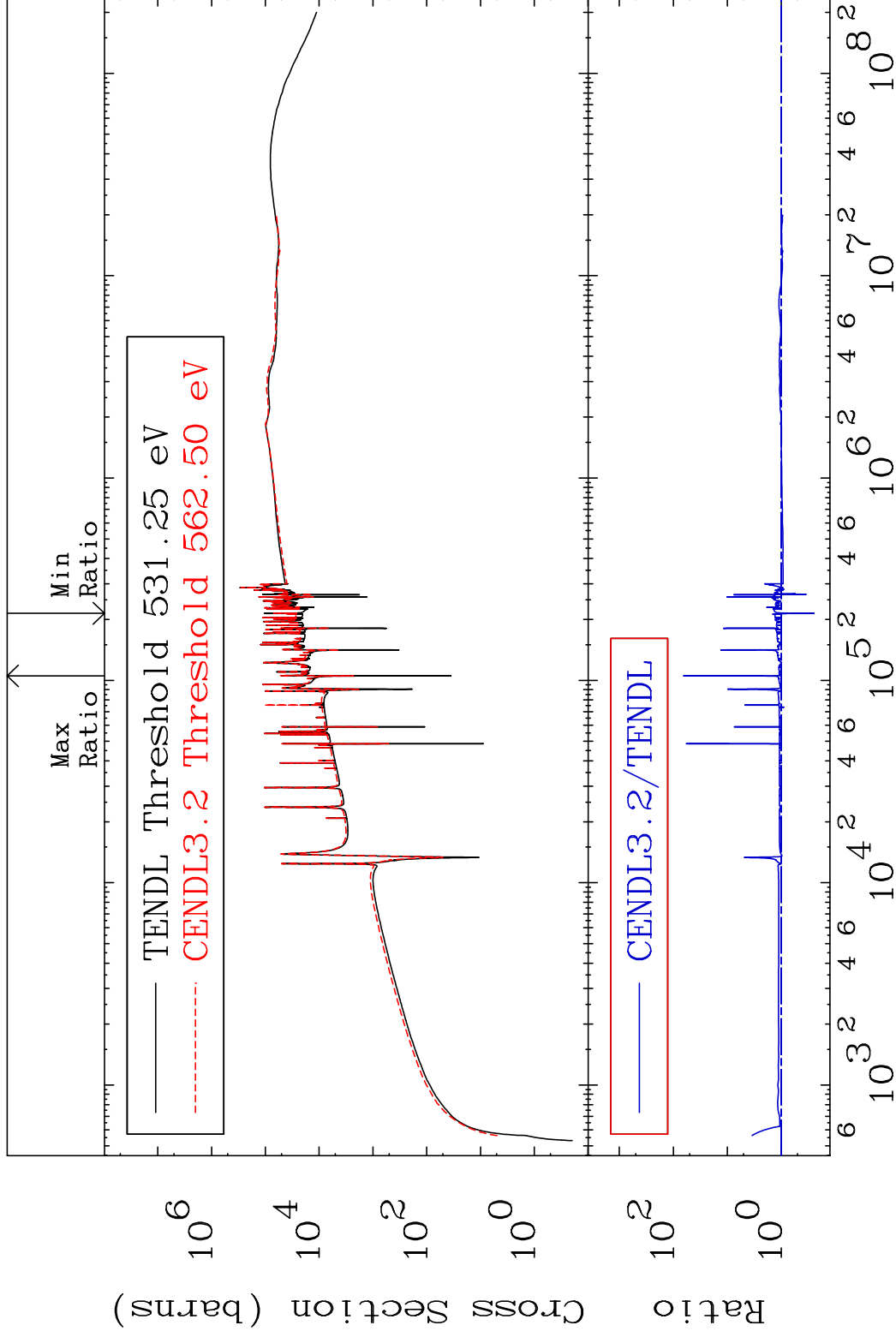
38-Sr-88

MAT 3837

Dpa elastic (mt2)

38-Sr-88

Cross Section -75.28 To 6341. %

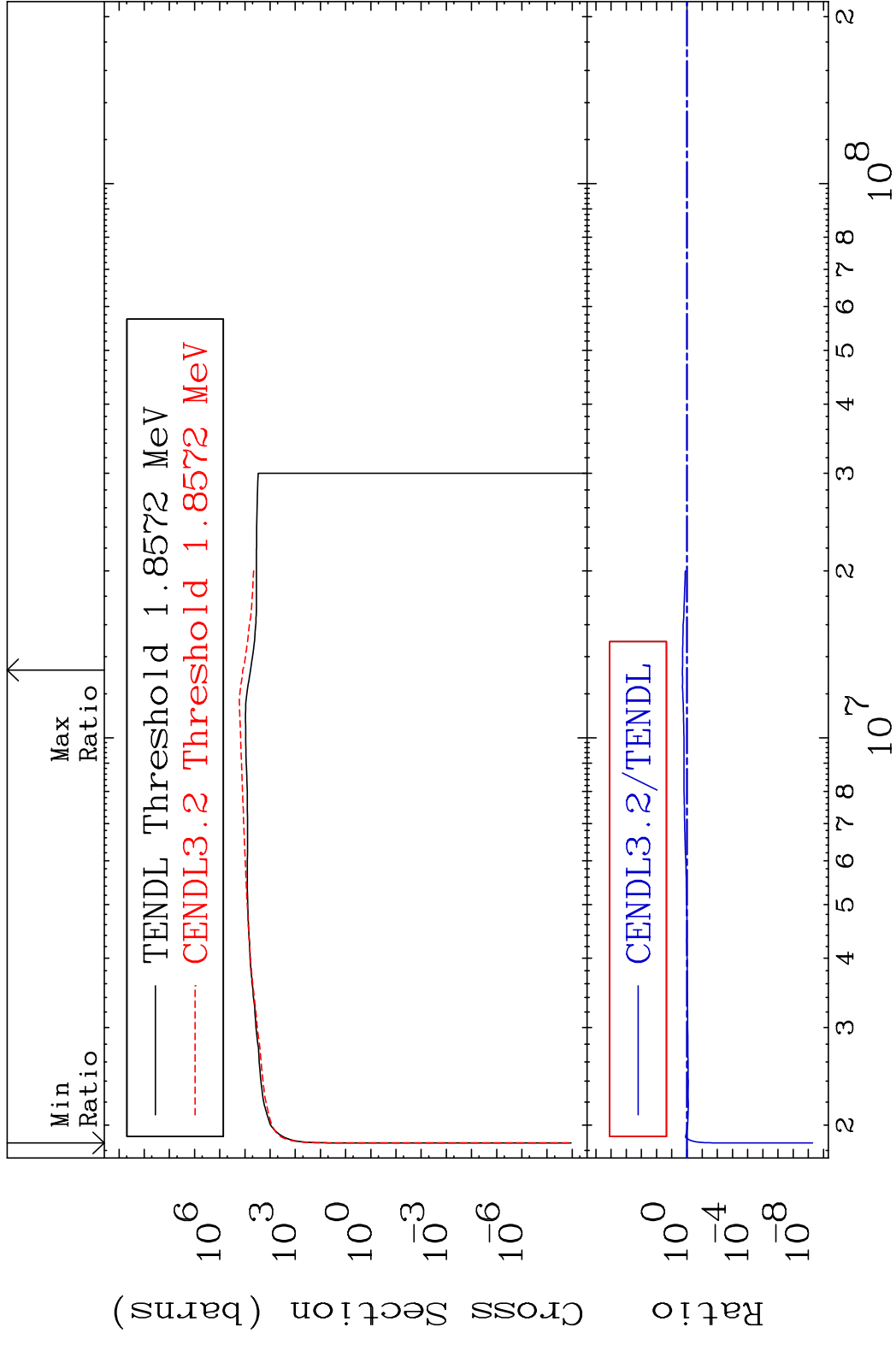


51

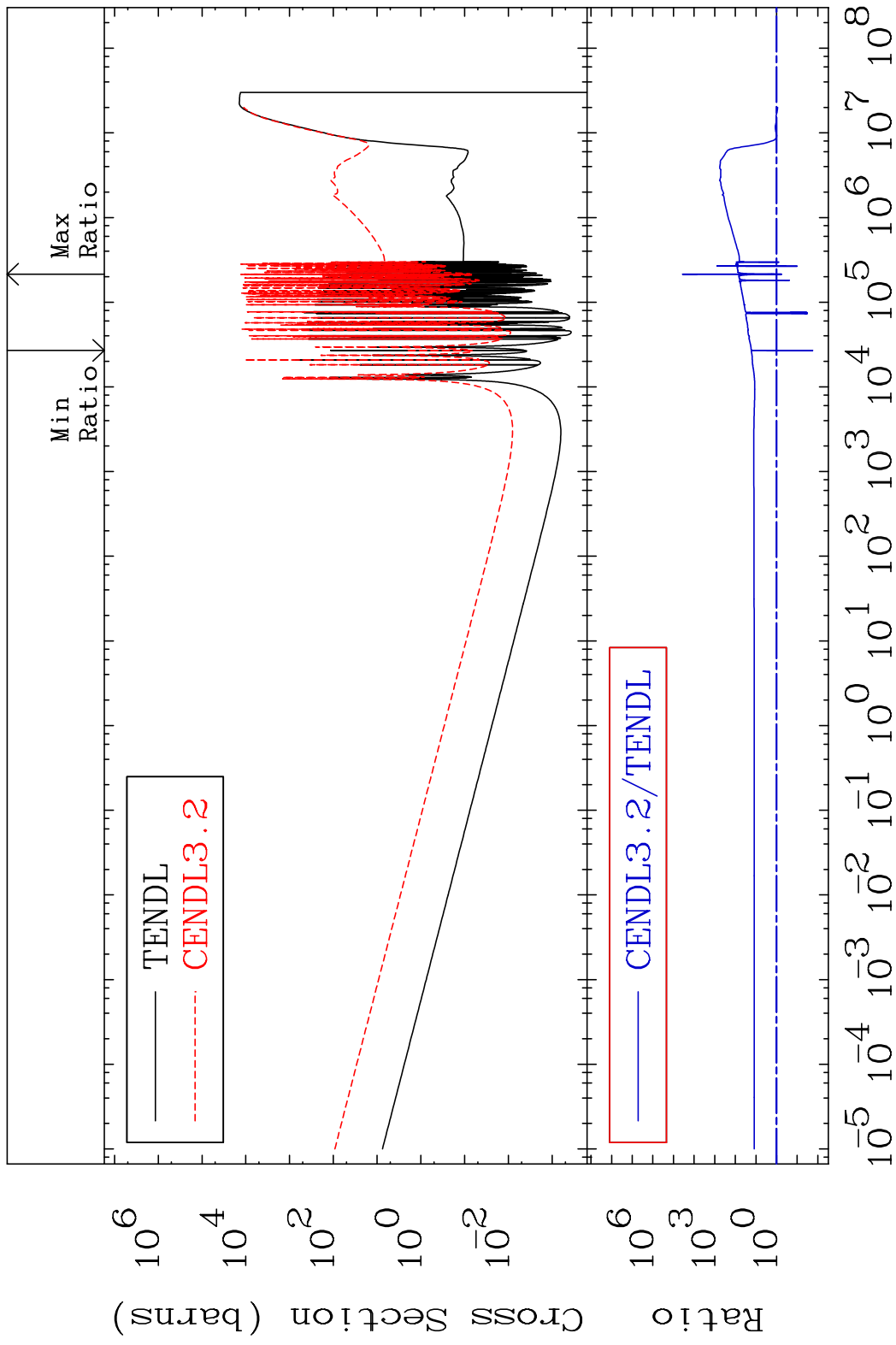
Incident Energy (eV)

38-Sr-88

MAT 3837 Dpa inelastic (mt51-91) 38-Sr-88
 Cross Section -100.0 To 101.1 %



MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
 Cross Section -98.20 To 9999. %

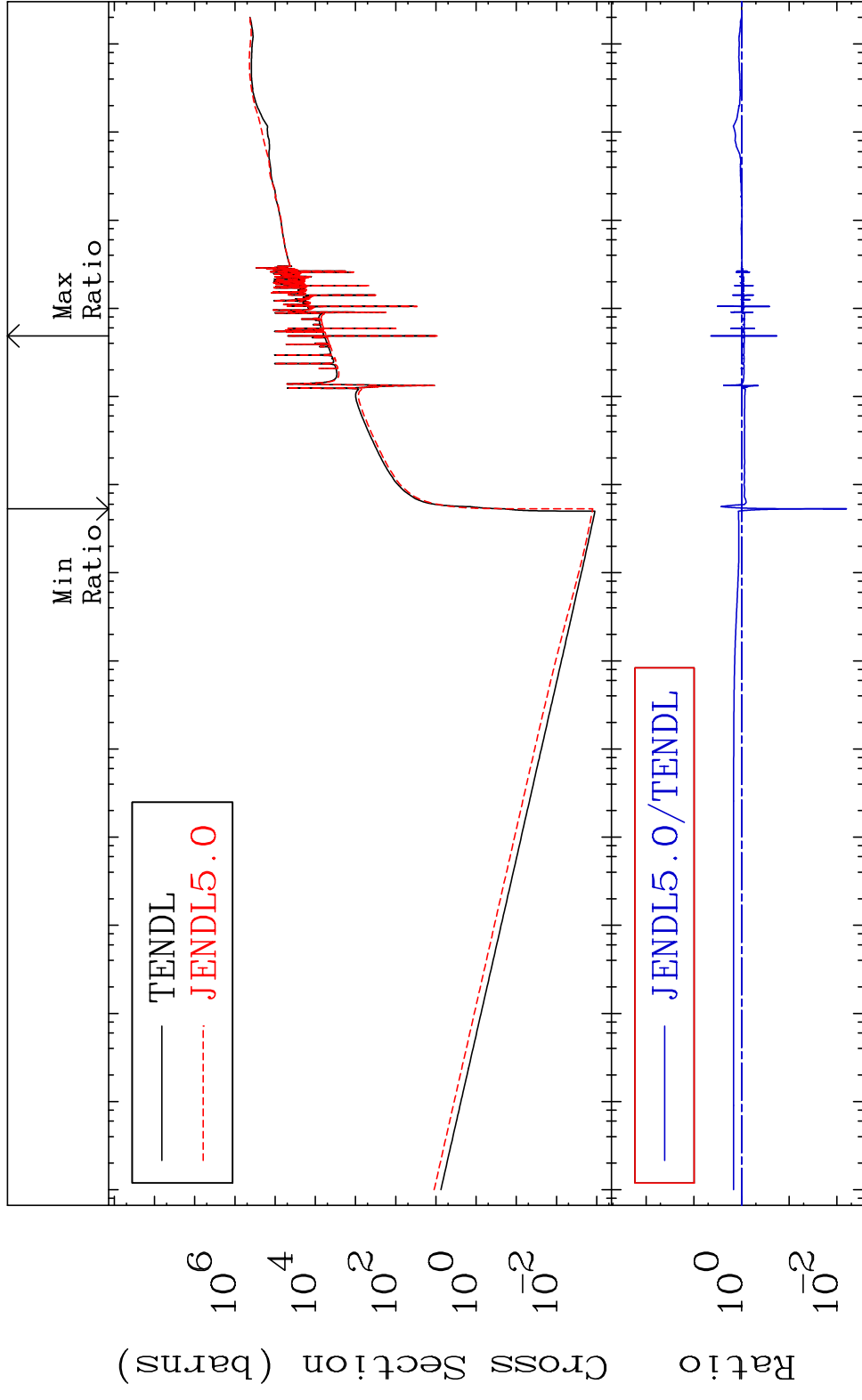


MAT 3837

Dpa total (eV-barns)

38-Sr-88

Cross Section -99.36 To 342.8 %



Ratio

10⁶

10⁴

10²

10⁰

10⁻²

10⁰

10⁻²

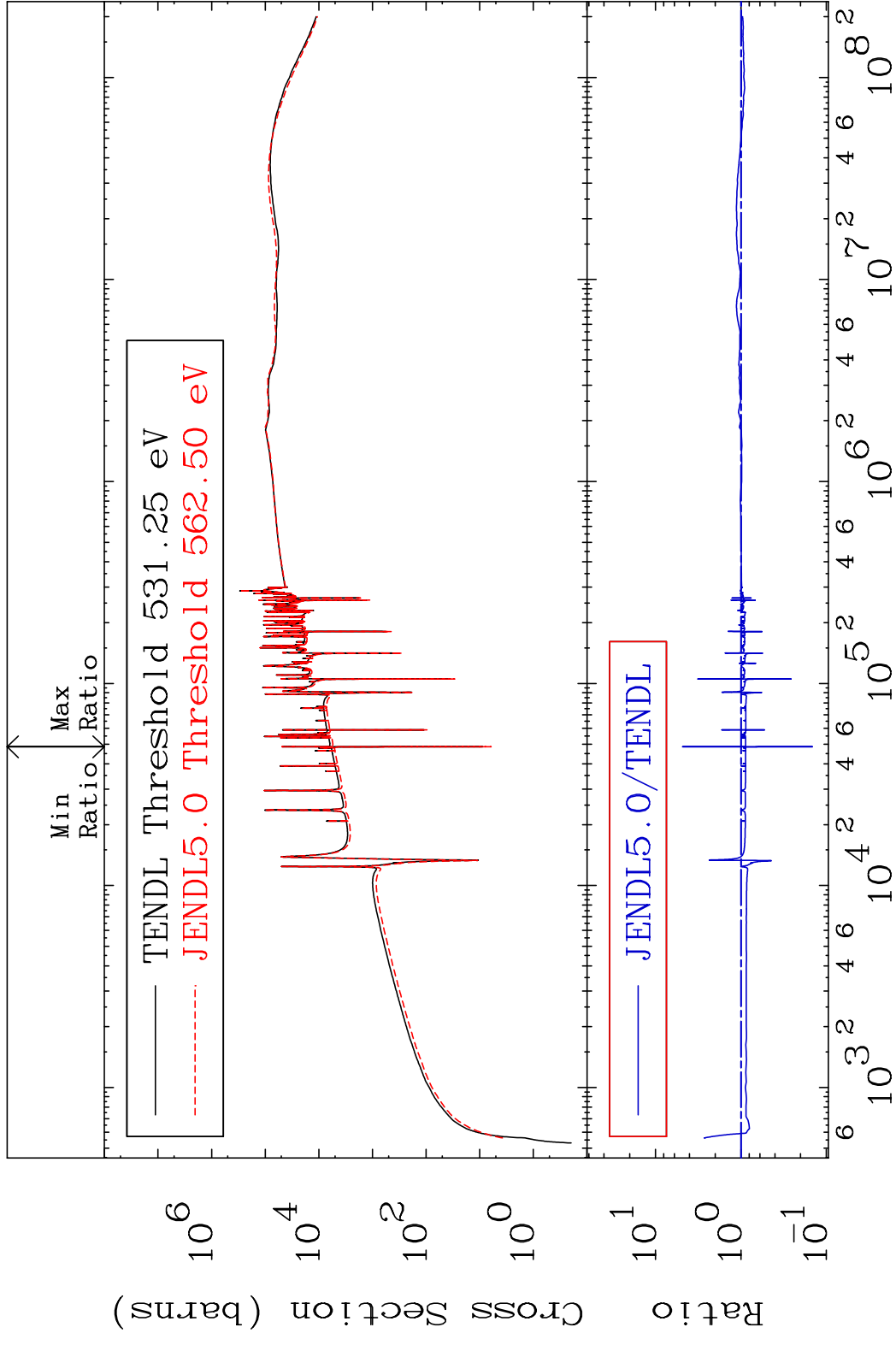
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 3837

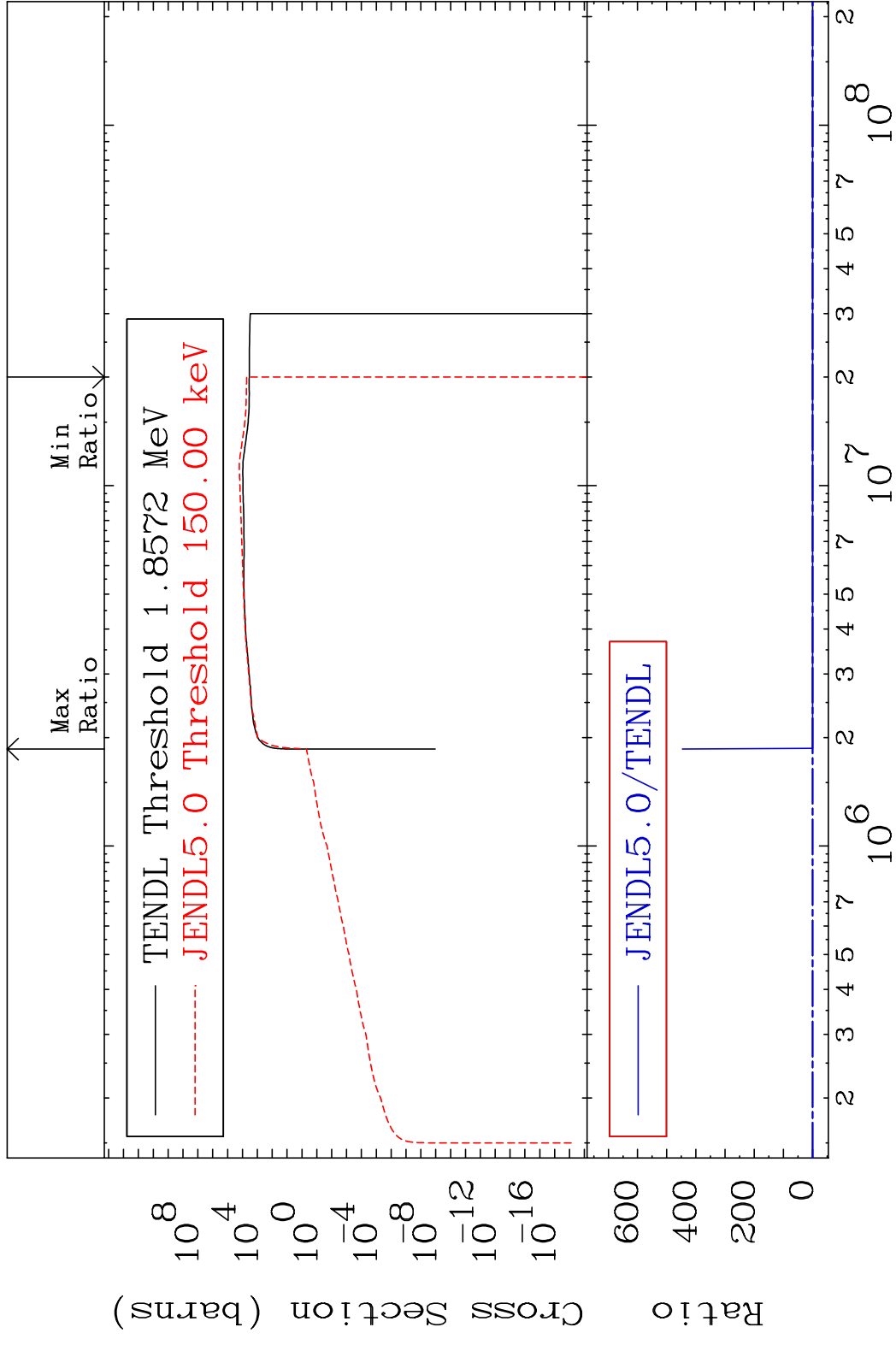
Dpa elastic (mt2)

38-Sr-88

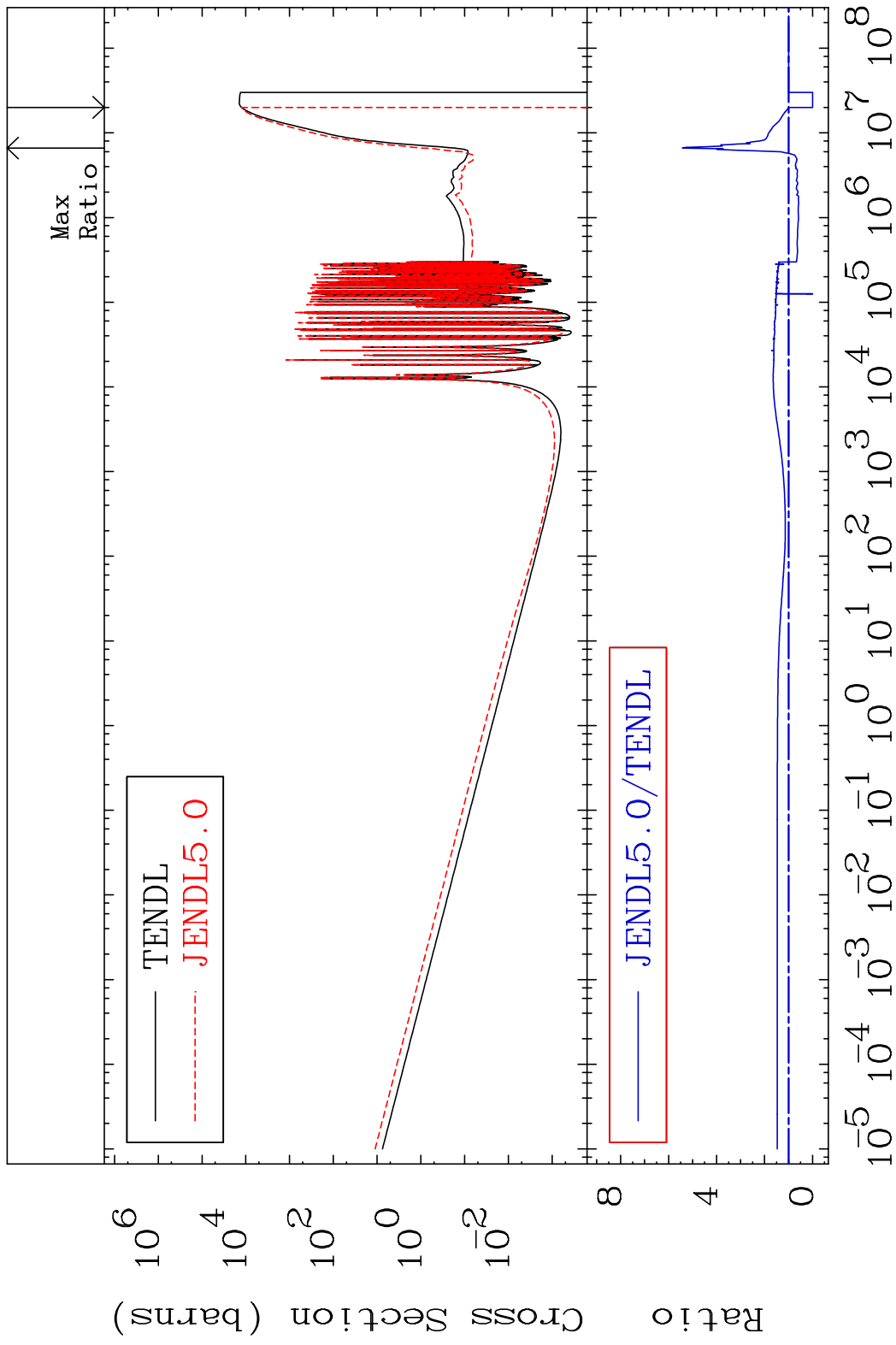
Cross Section -85.50 To 384.4 %



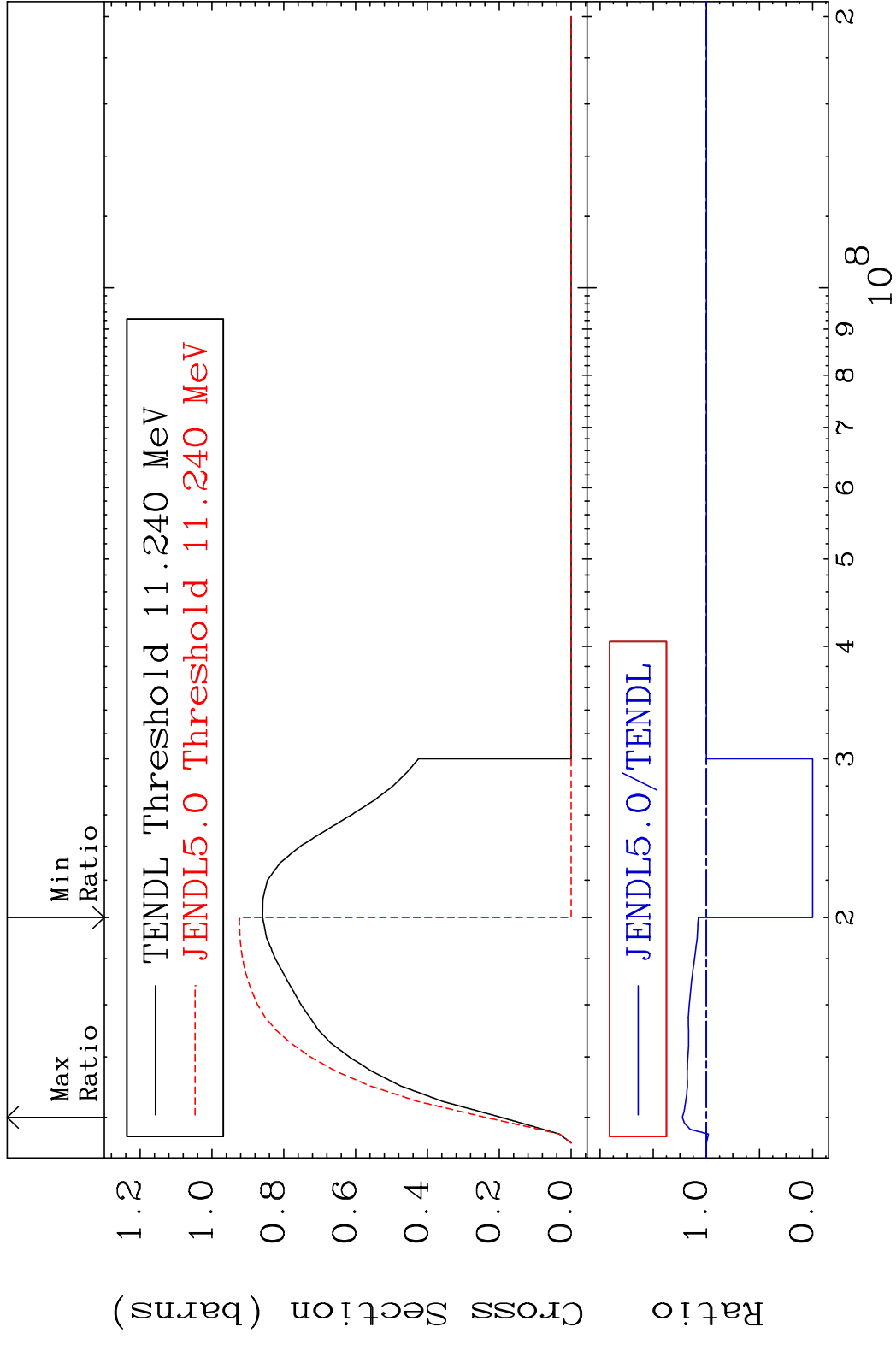
MAT 3837 Dpa inelastic (mt51-91) 38-Sr-88
 Cross Section -100.0 To 9999. %



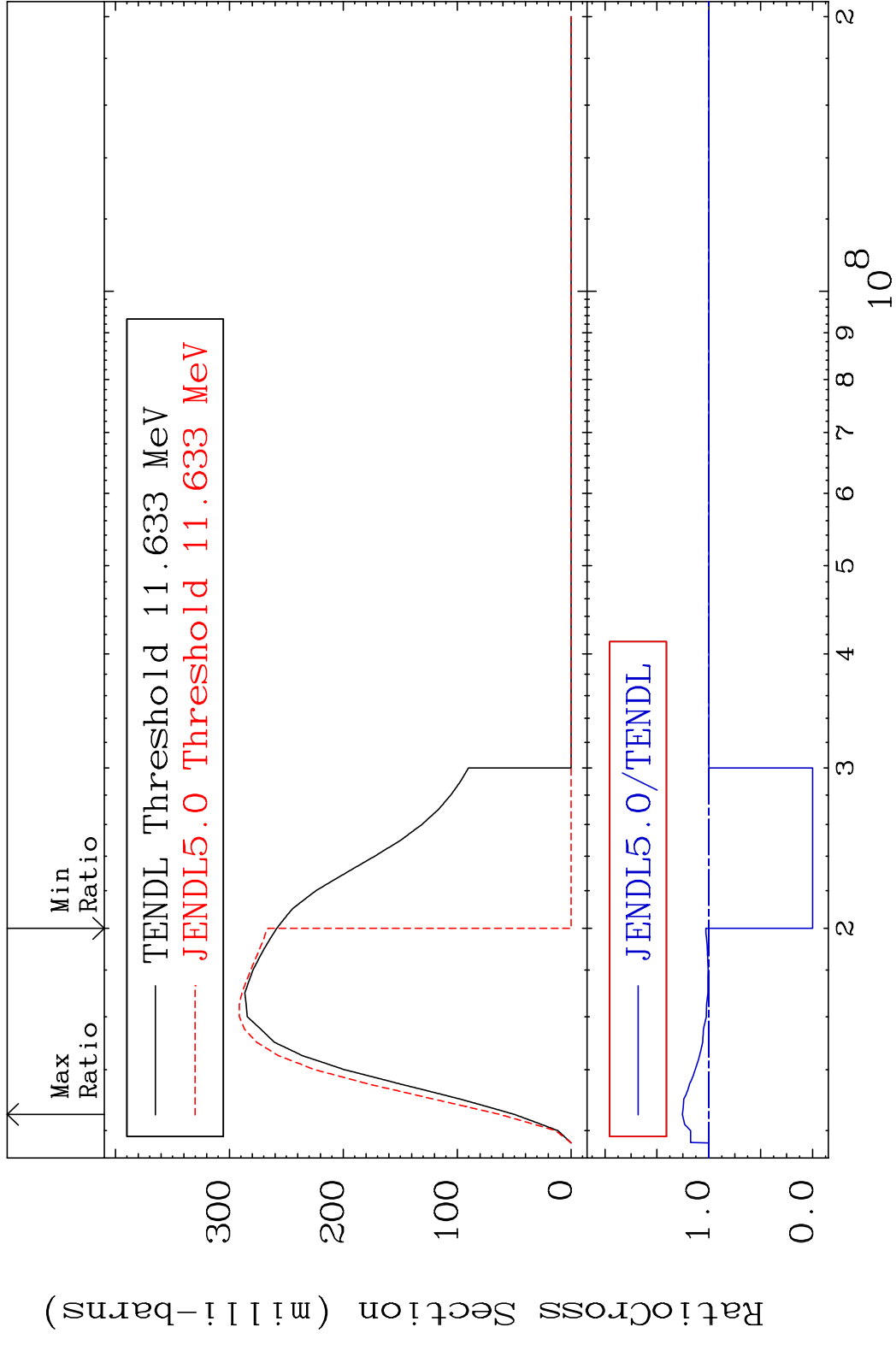
MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
Cross Section -100.0 To 442.7 %



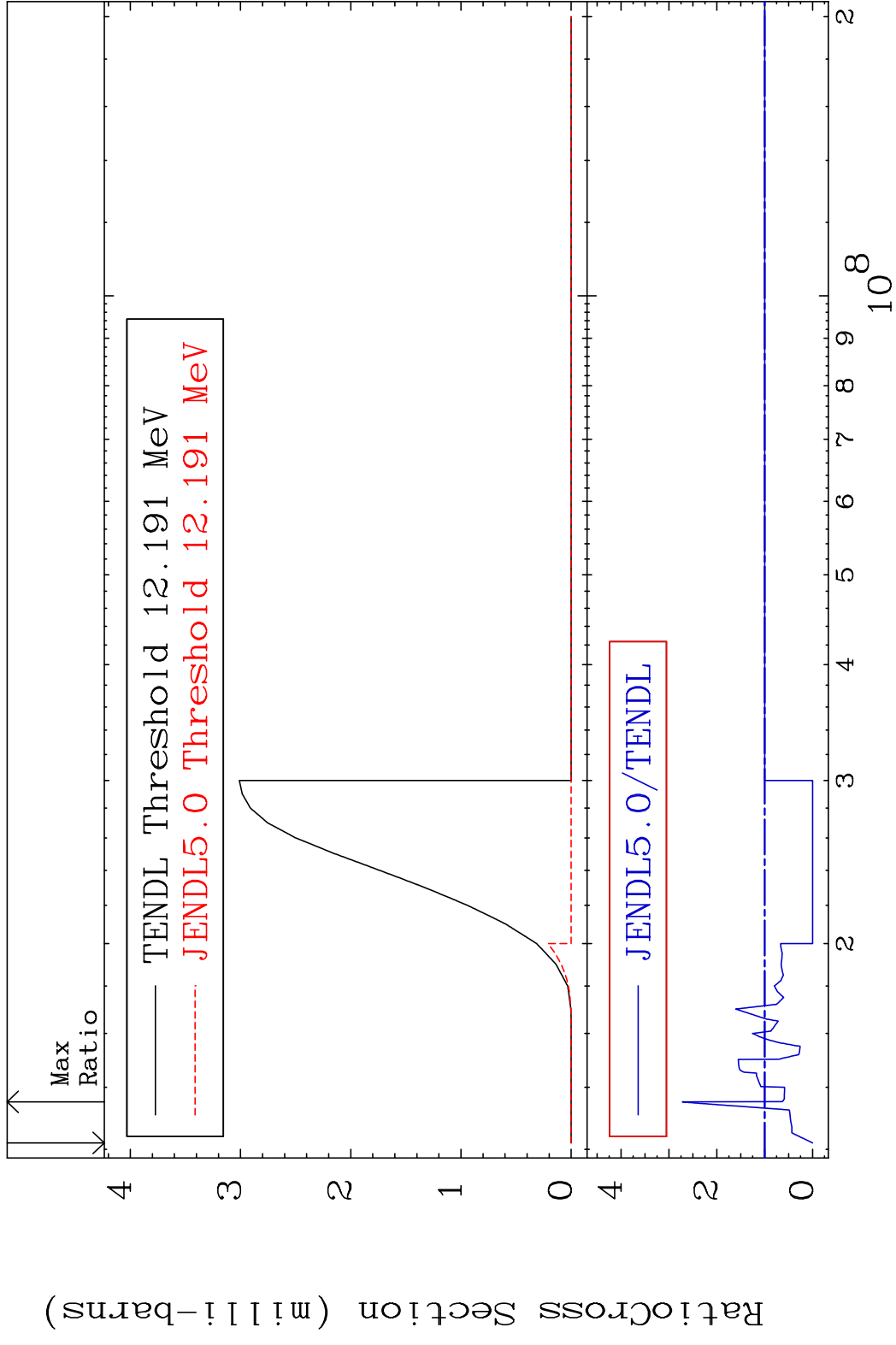
MAT 3837 (n,2n):38-Sr-87g 38-Sr-88
 Radionuclide Production Cross Section Ratio 22.58 %

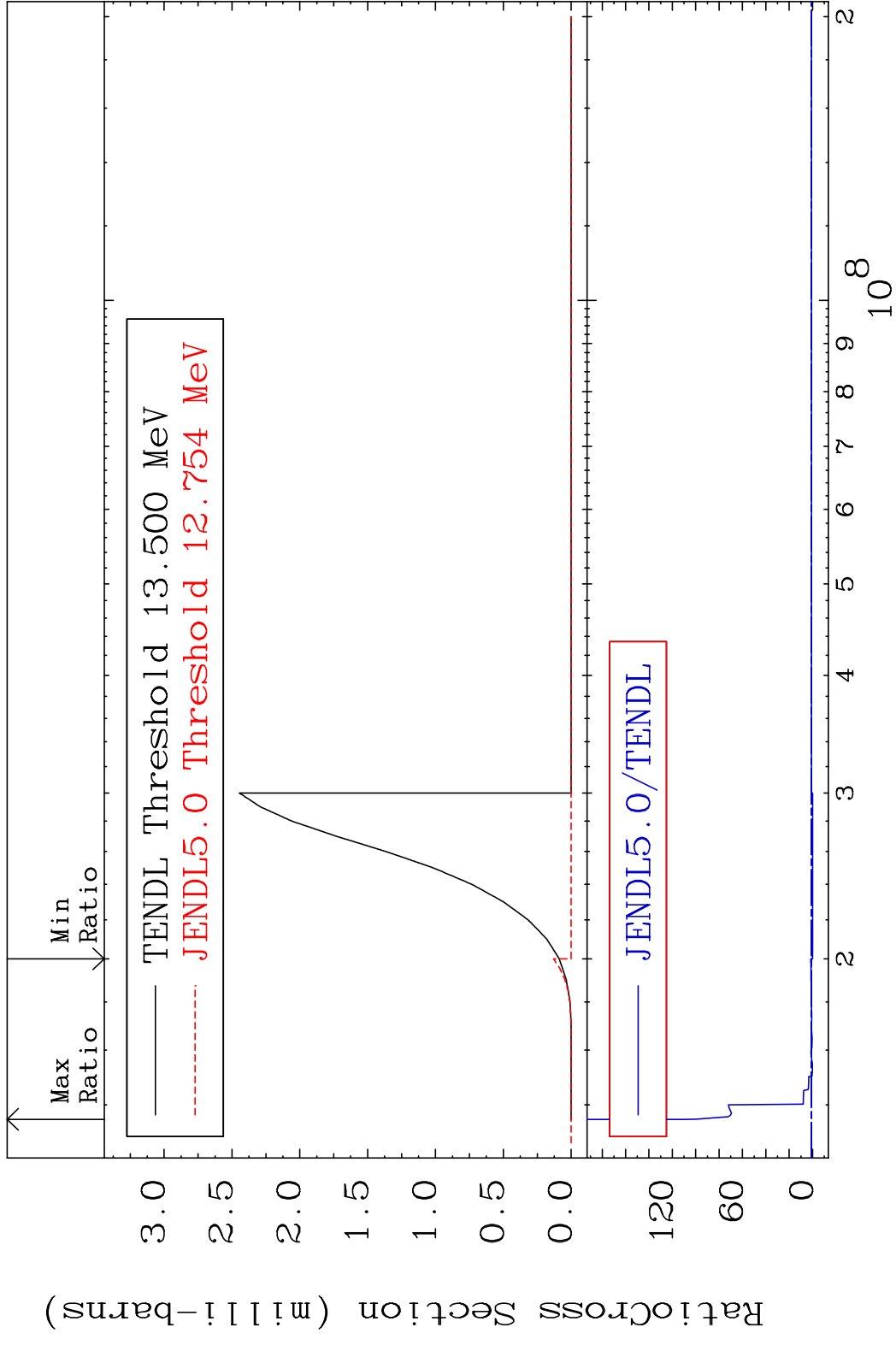


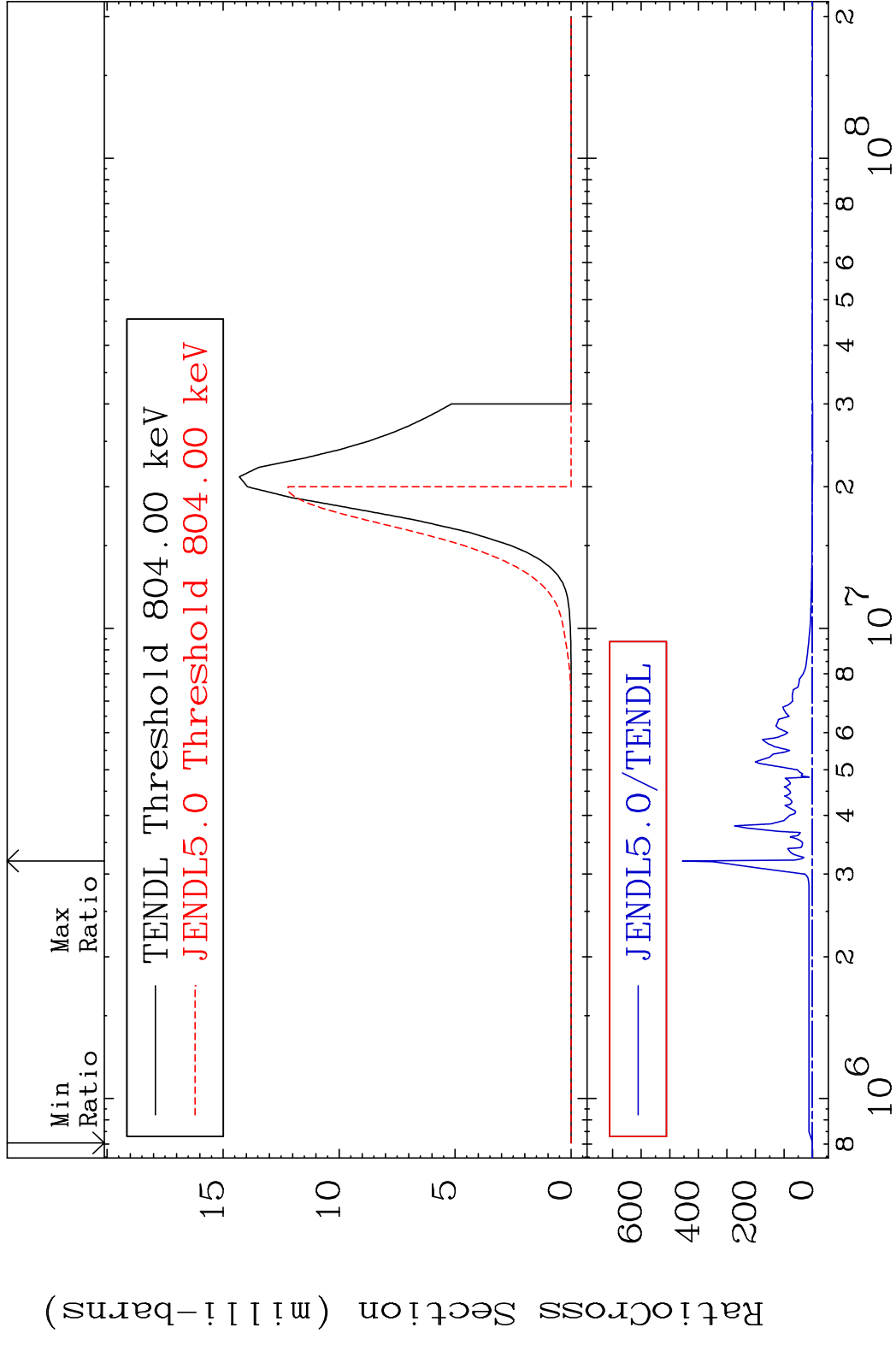
MAT 3837 (n,2n):38-Sr-87m1 38-Sr-88
 Radionuclide Production Cross Section Ratio 25.50 %



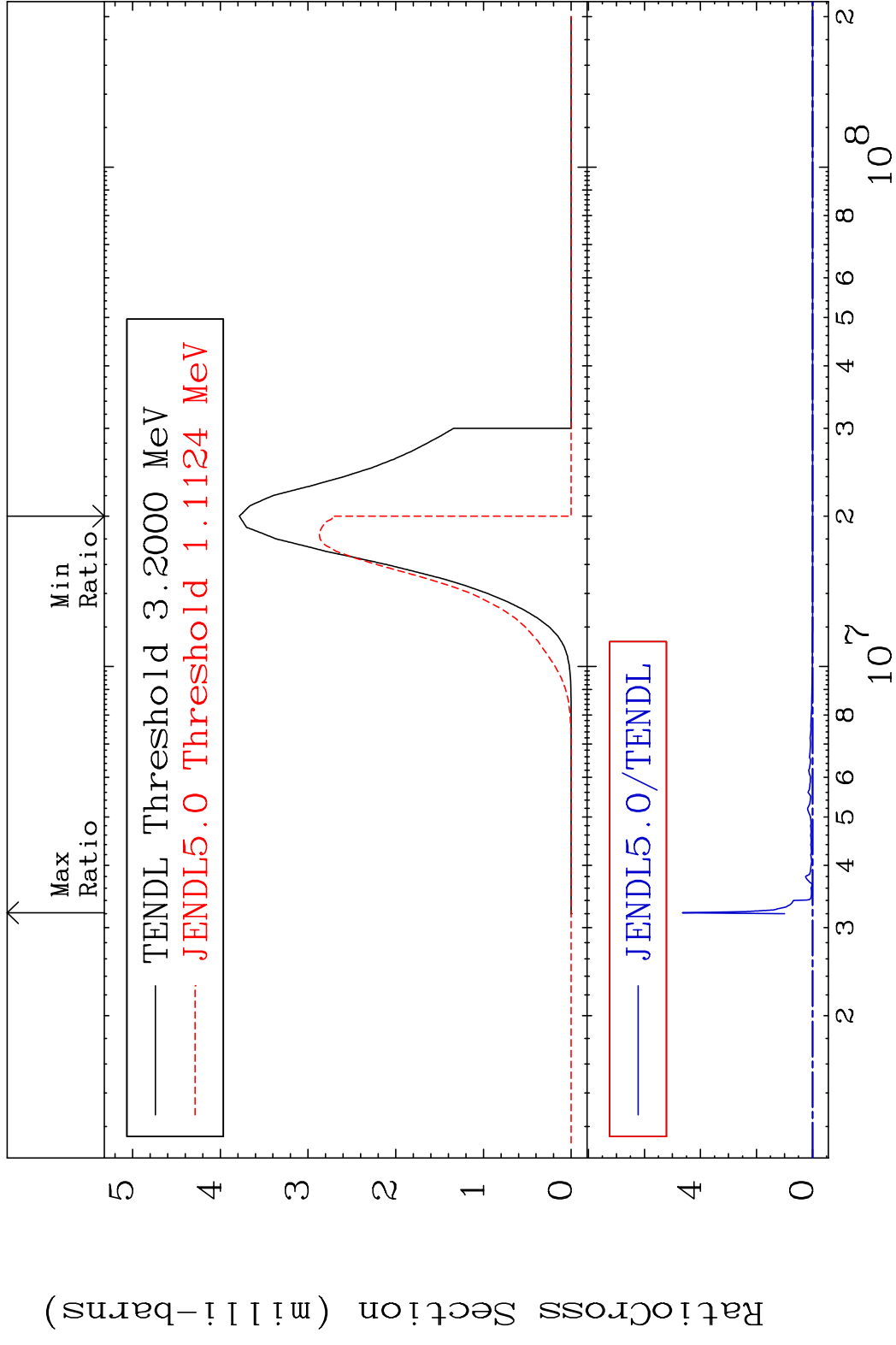
MAT 3837 (n, t):37-Rb-86g 38-Sr-88
 Radionuclide Production Cross Section Ratio 180.01 dth 172.1 %







MAT 3837 (n,α):36-Kr-85m1 38-Sr-88
 Radionuclide Production Cross Section Ratio 9999. %

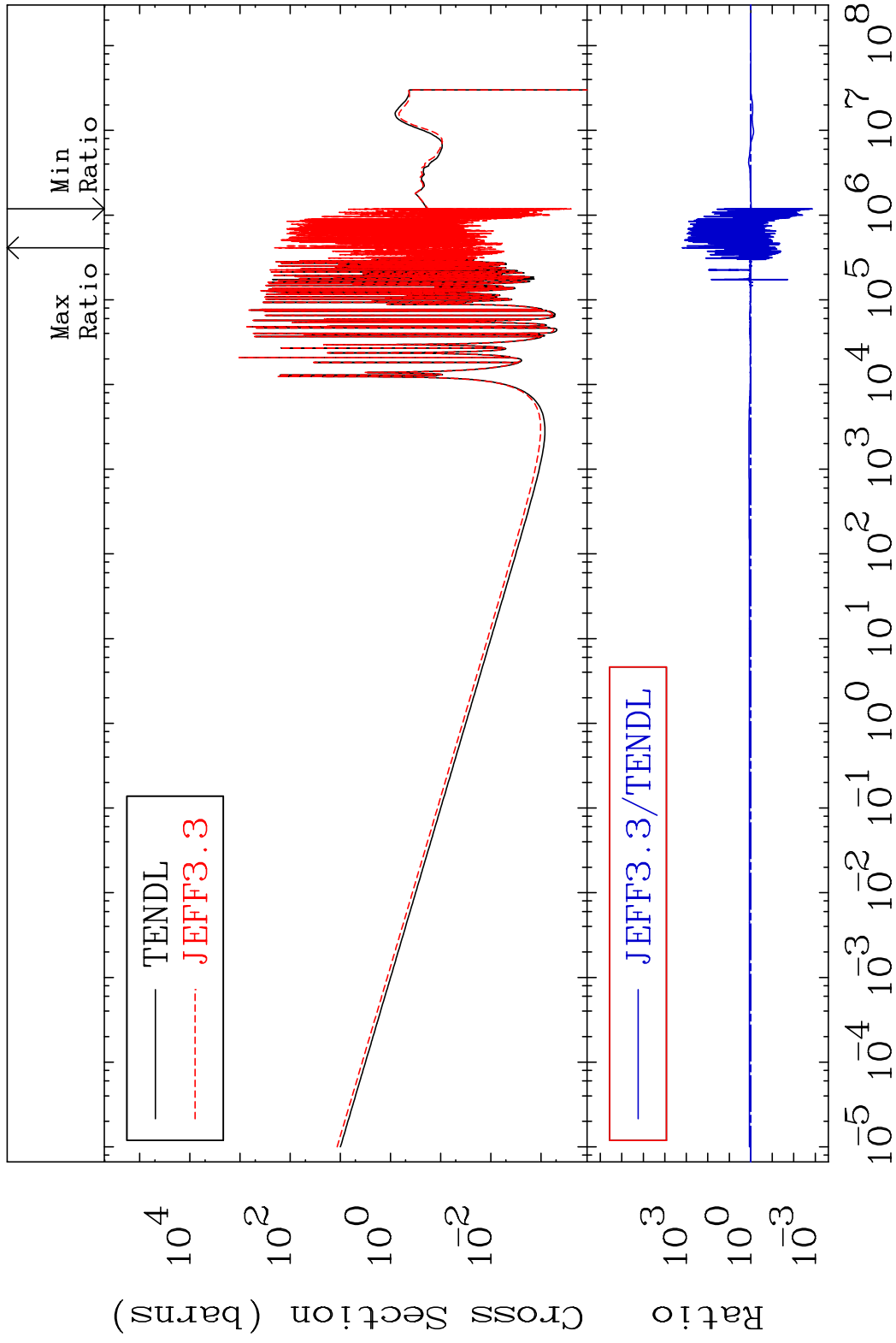


63 Incident Energy (eV) 38-Sr-88

MAT 3837

Kerma capture (mt102) 38-Sr-88

Cross Section -99.87 To 9999. %



64

Incident Energy (eV)

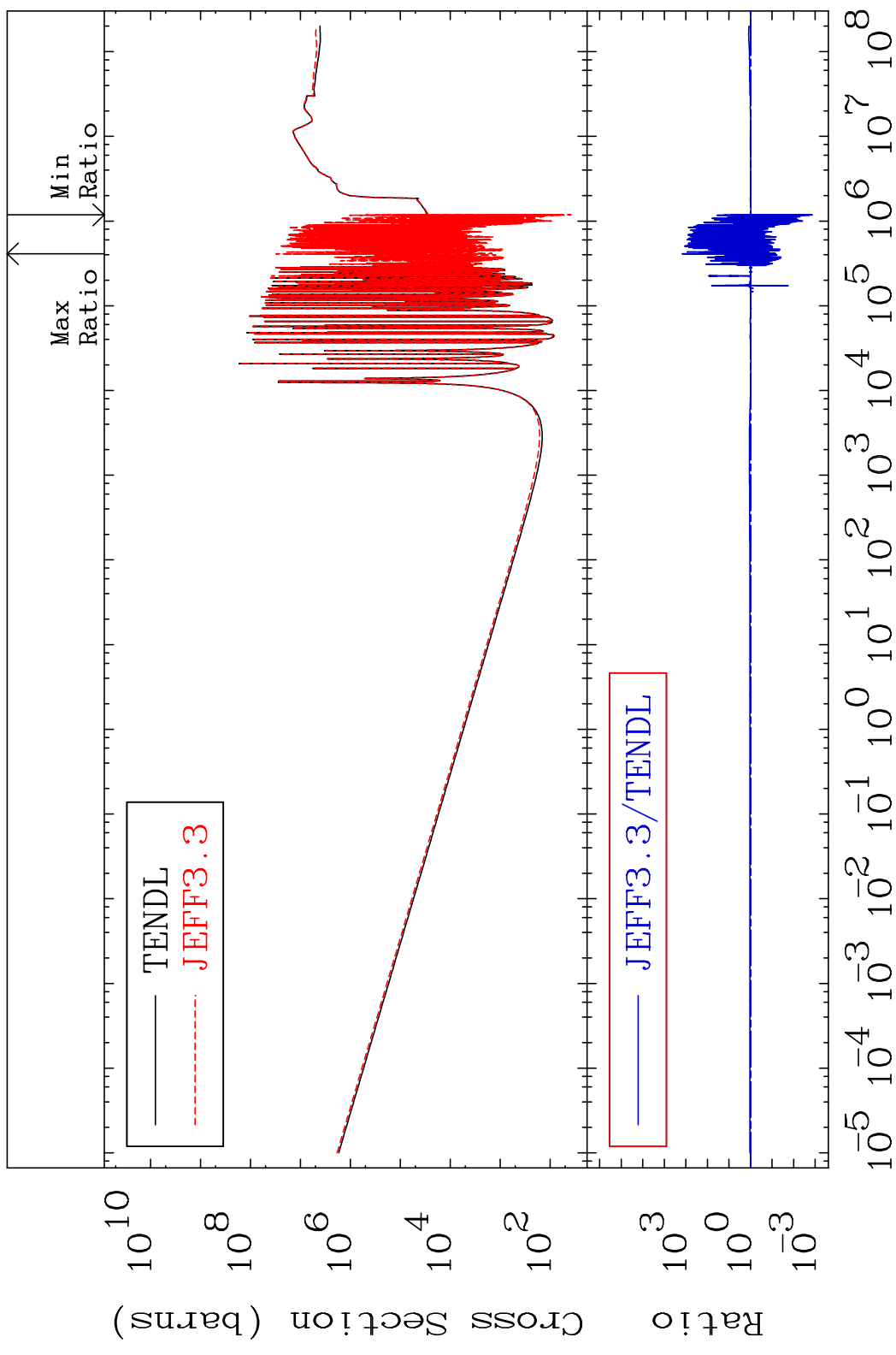
38-Sr-88

MAT 3837

Total photon (eV-barns)

38-Sr-88

Cross Section -99.87 To 9999. %

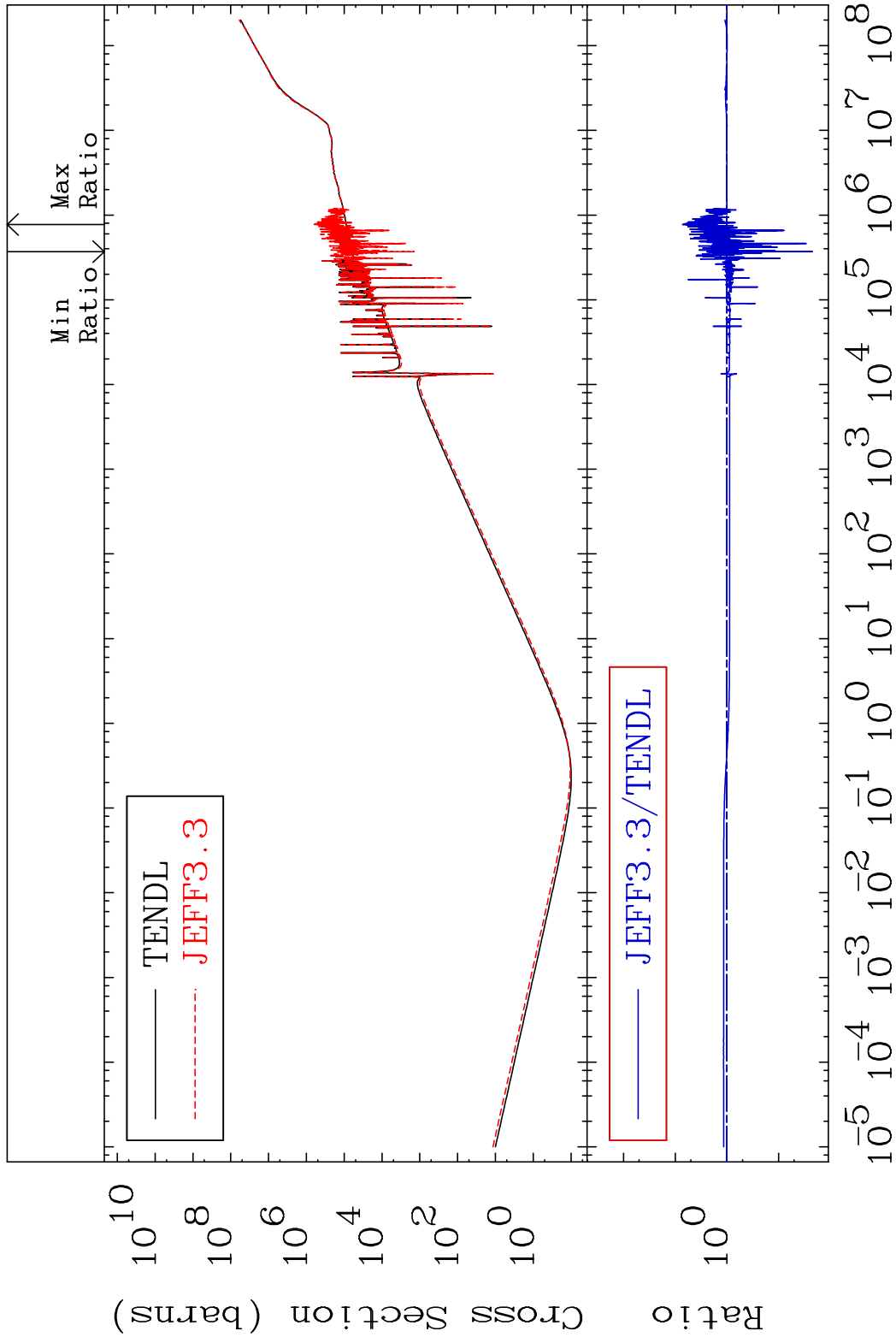


65

Incident Energy (eV)

38-Sr-88

MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
 Cross Section -97.79 To 627.4 %

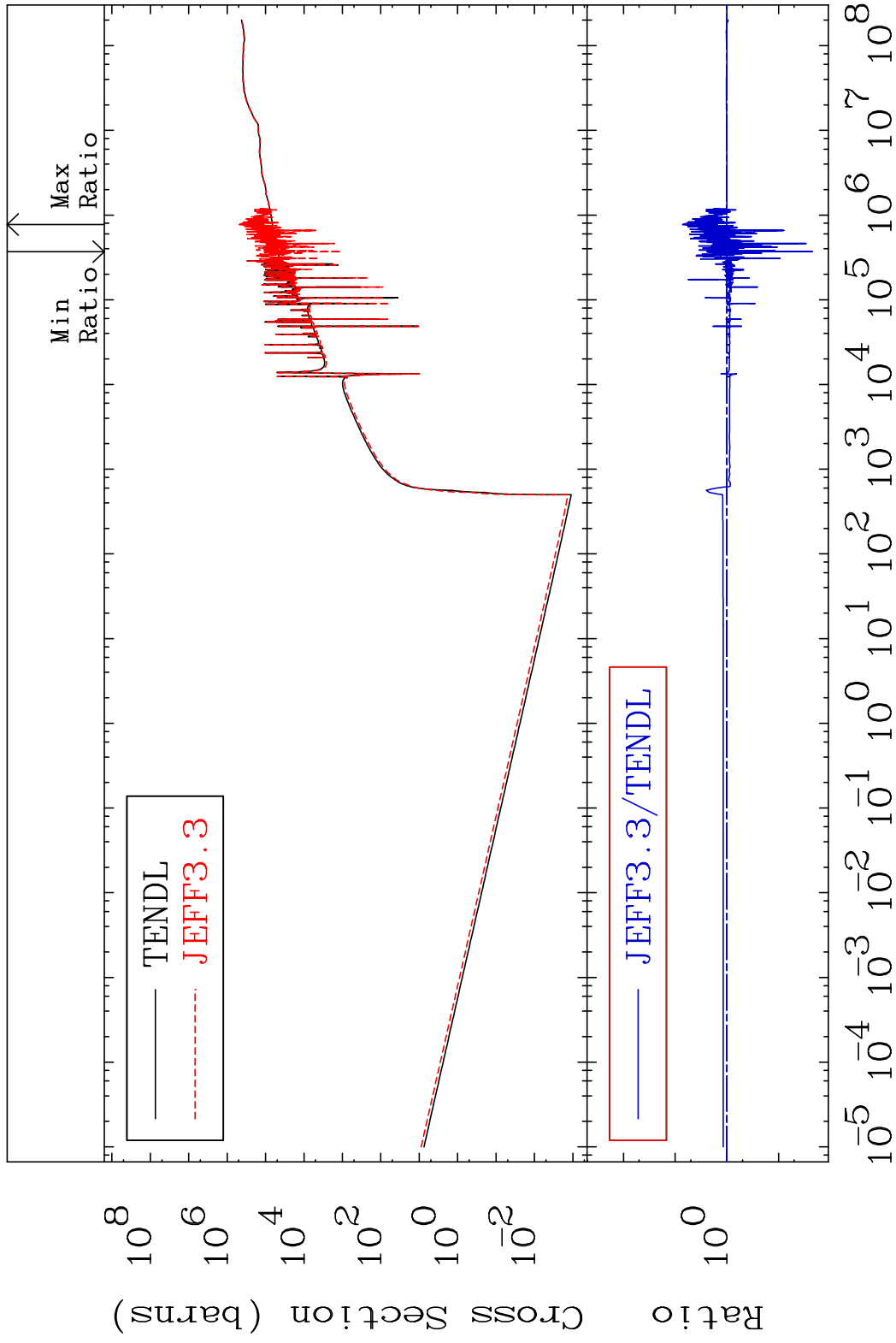


MAT 3837

Dpa total (eV-barns)

38-Sr-88

Cross Section -97.79 To 627.2 %



67

Incident Energy (eV)

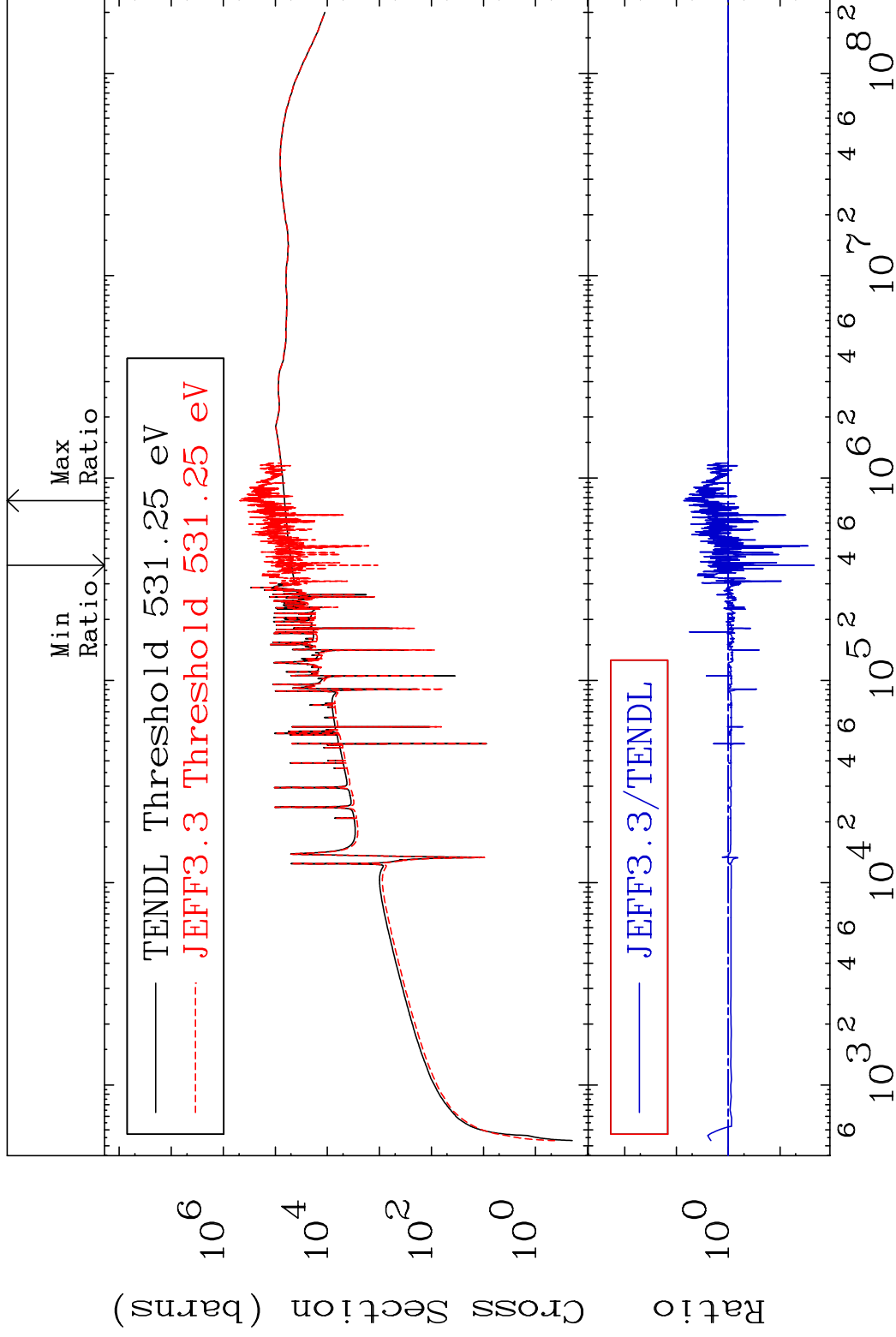
38-Sr-88

MAT 3837

Dpa elastic (mt2)

38-Sr-88

Cross Section -97.79 To 627.2 %

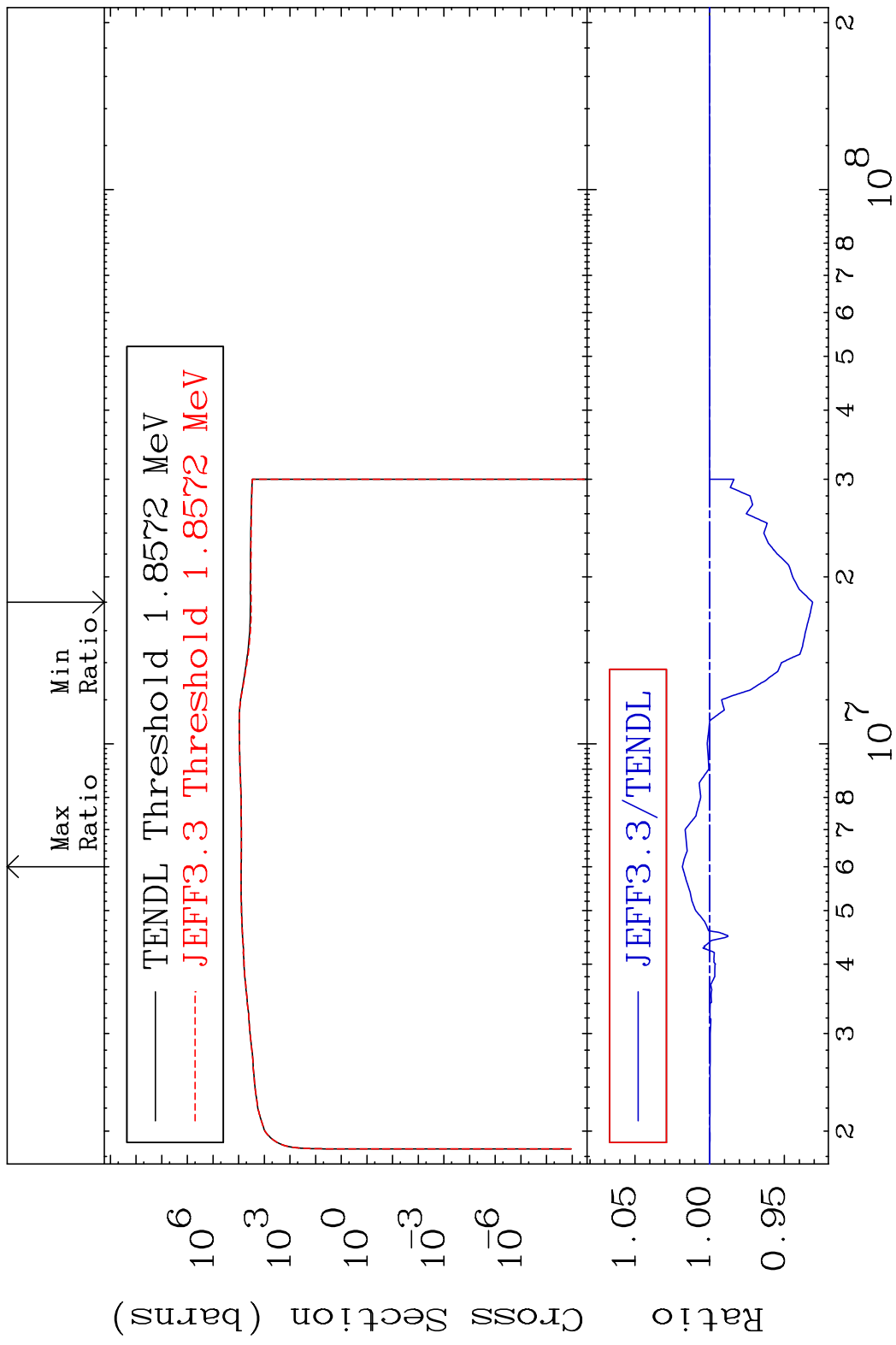


68

Incident Energy (eV)

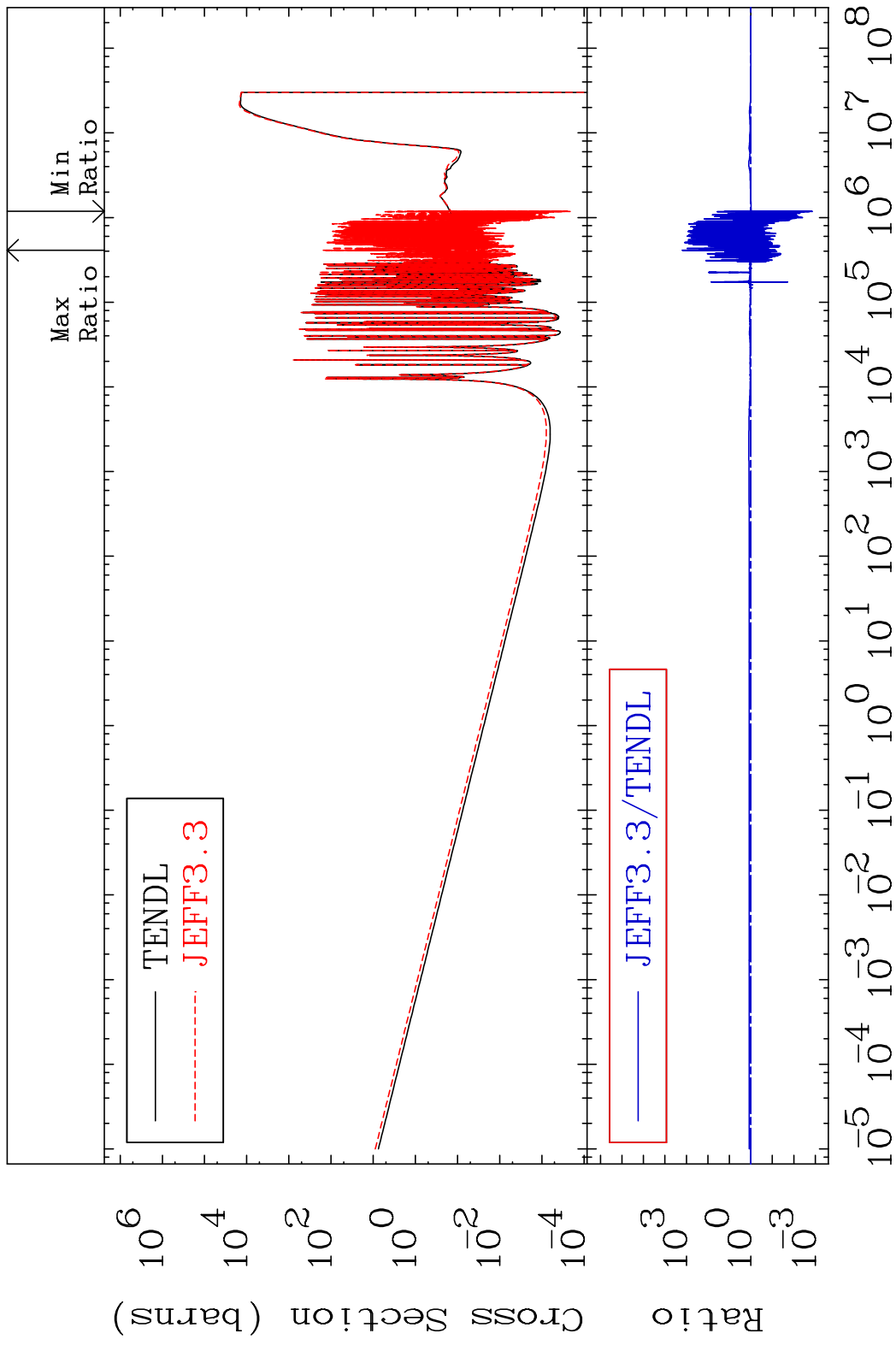
38-Sr-88

MAT 3837 Dpa inelastic (mt51-91) 38-Sr-88
 Cross Section -6.889 To 1.822 %

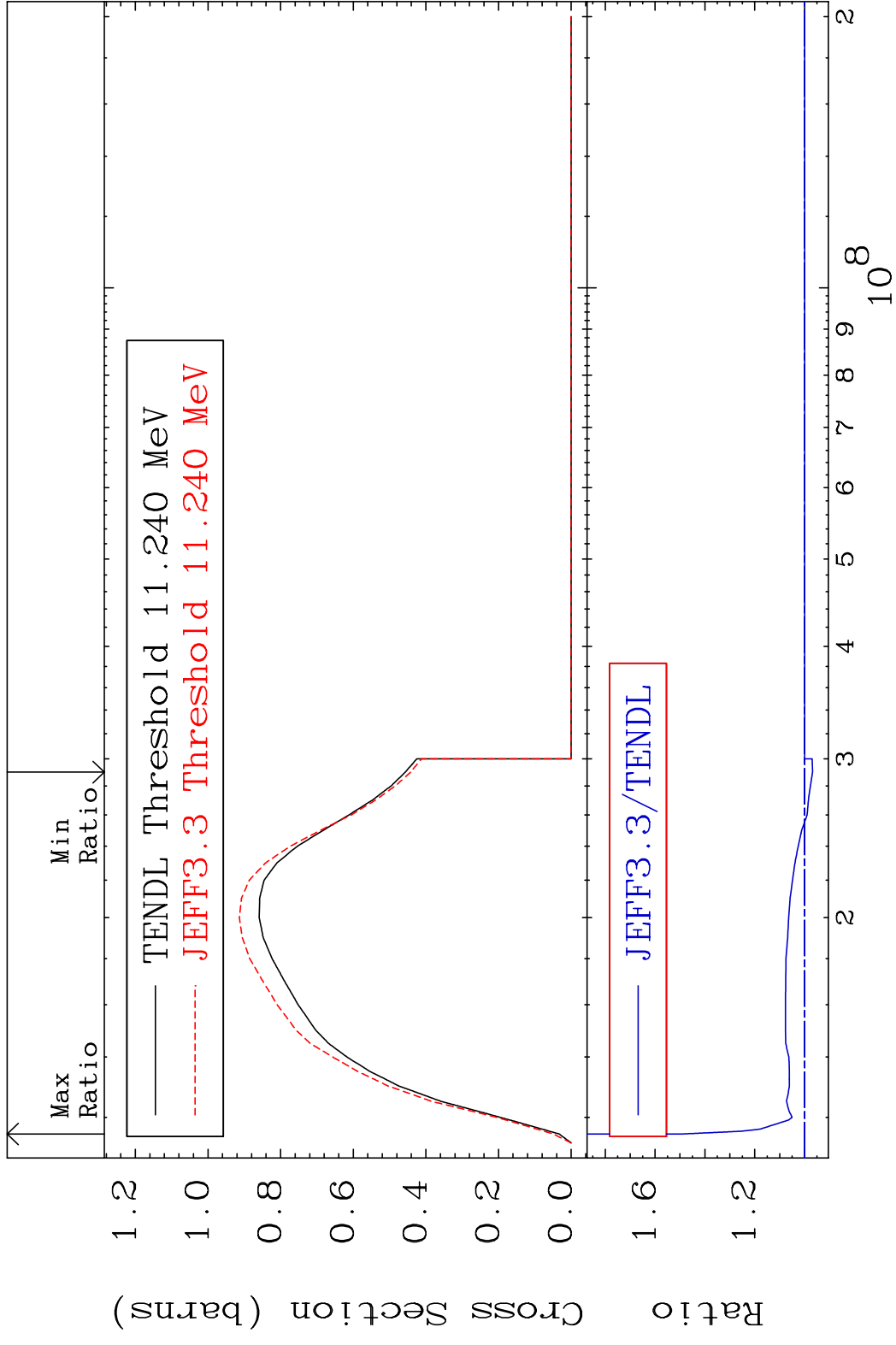


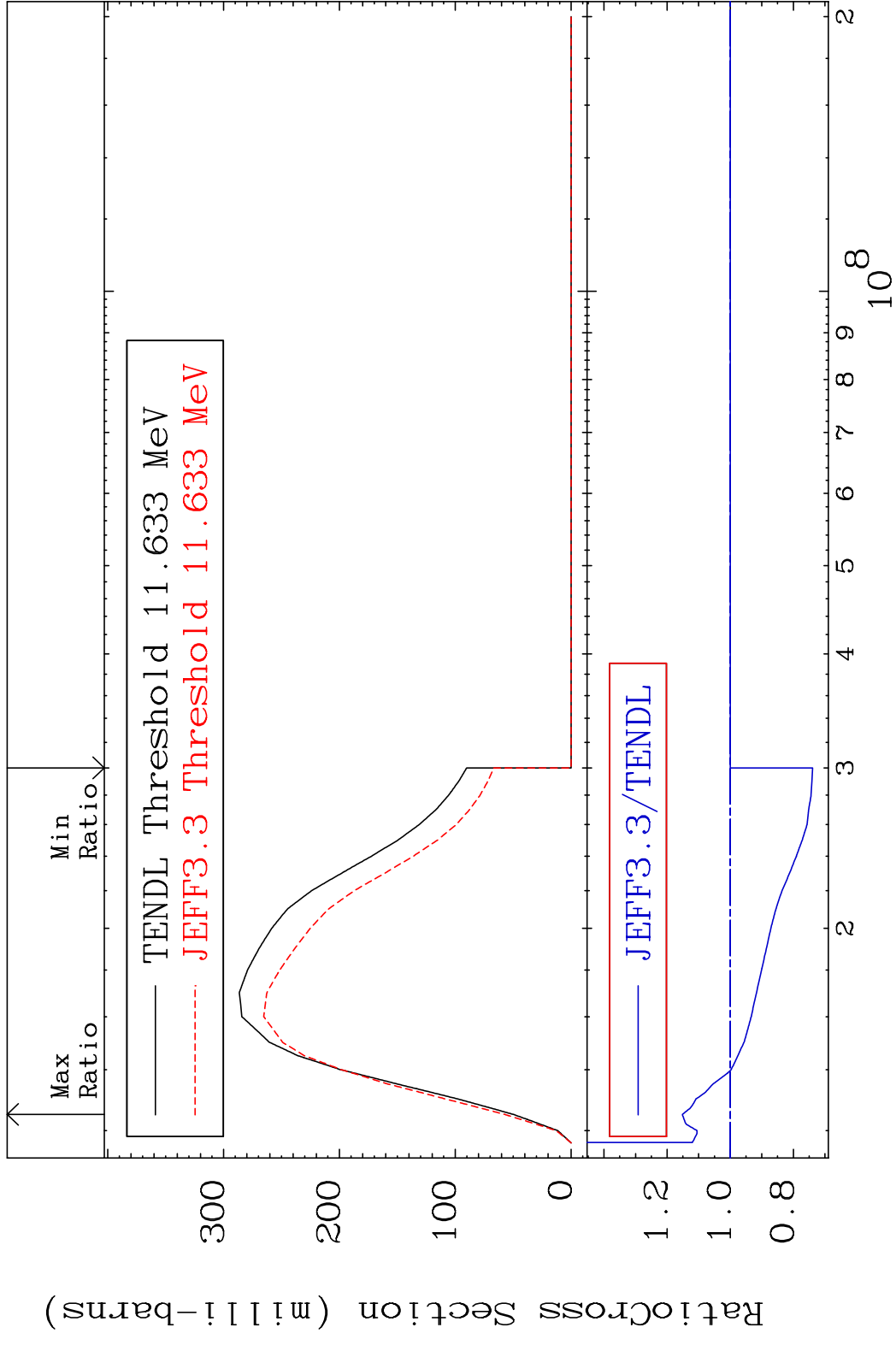
69 Incident Energy (eV) 38-Sr-88

MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
 Cross Section -99.87 To 9999. %

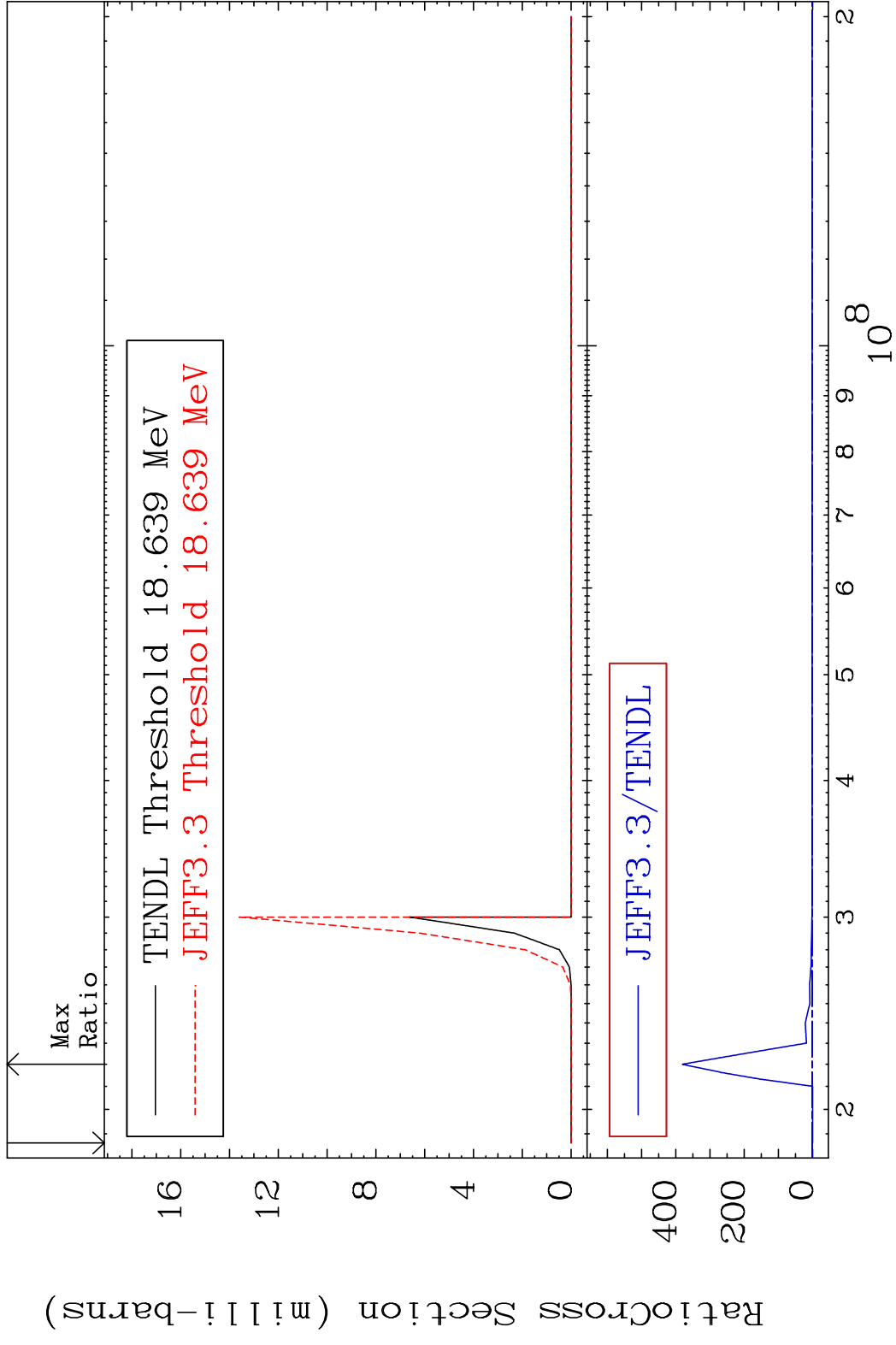


70 Incident Energy (eV) 38-Sr-88

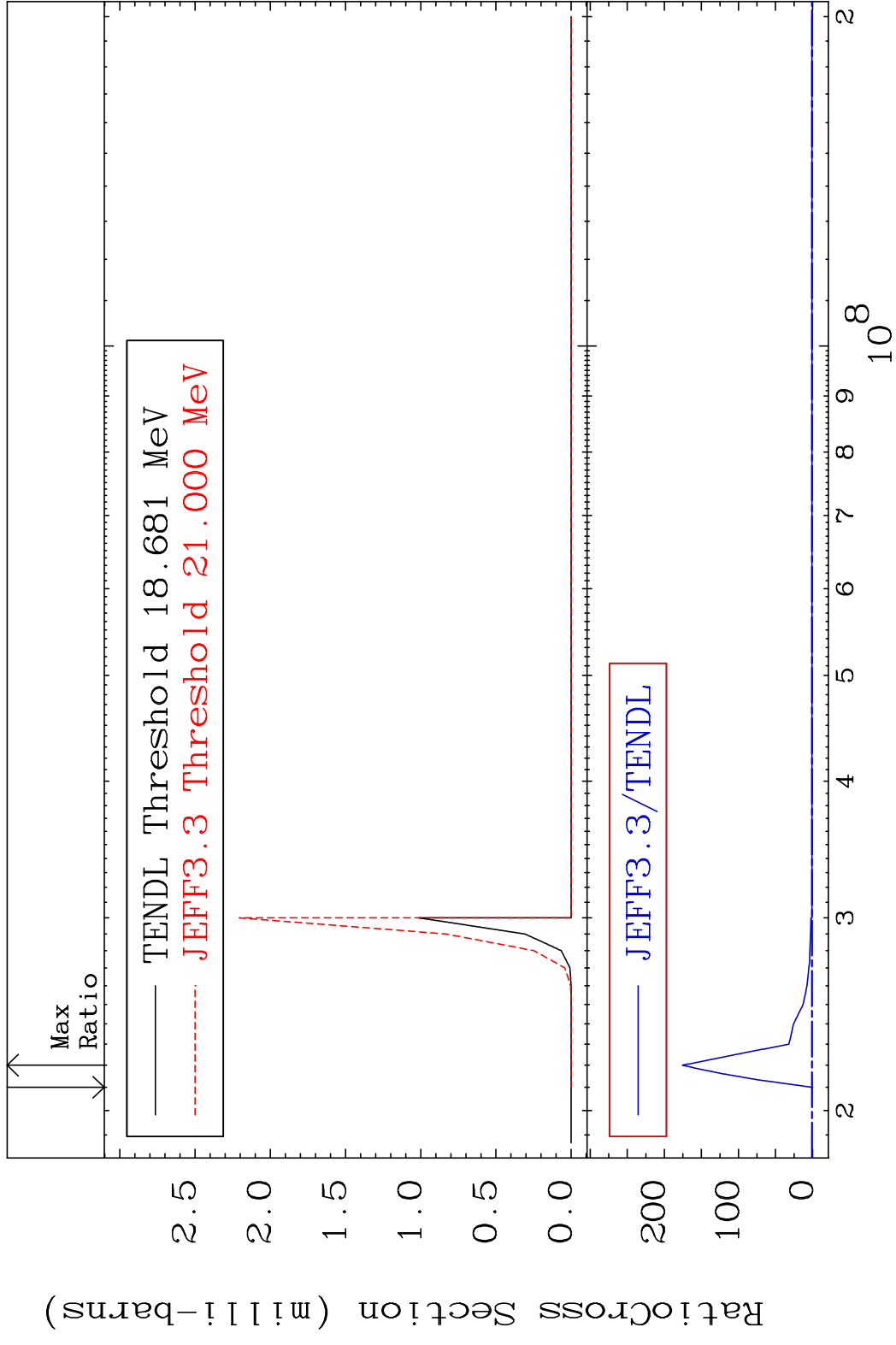


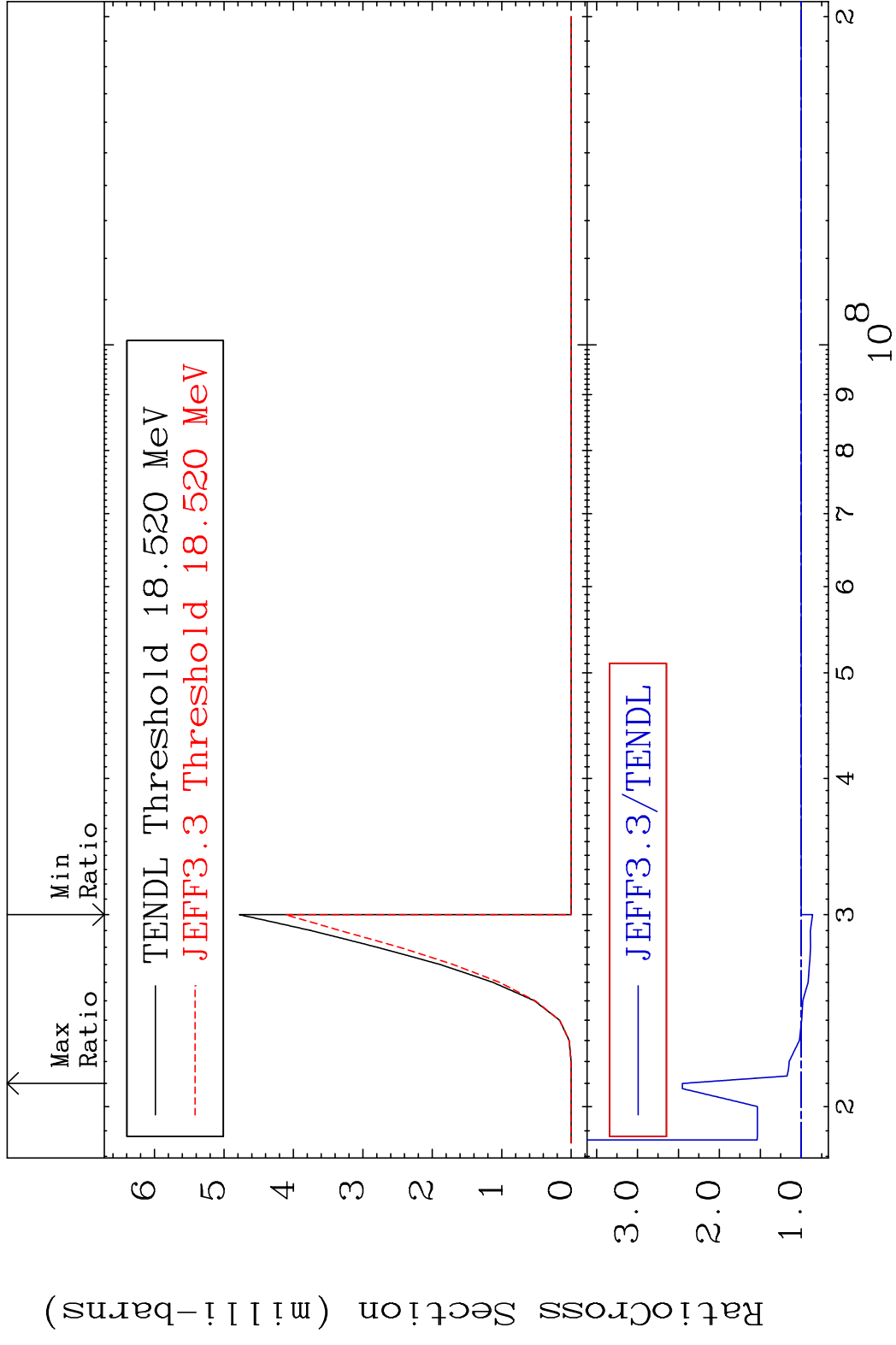


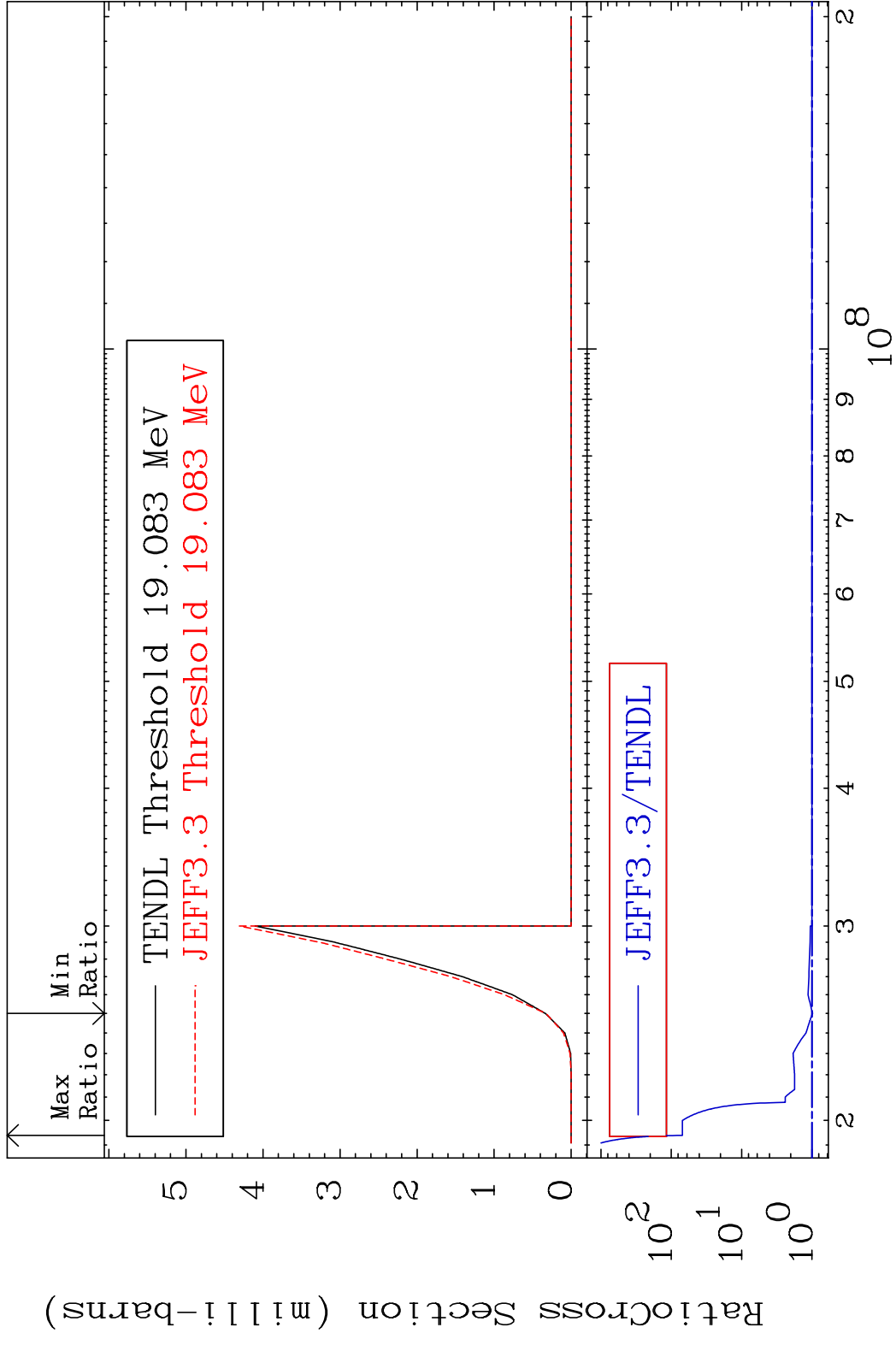
MAT 3837 (n,2n) α :36-Kr-83g 38-Sr-88
 Radionuclide Production Cross Section Ratio

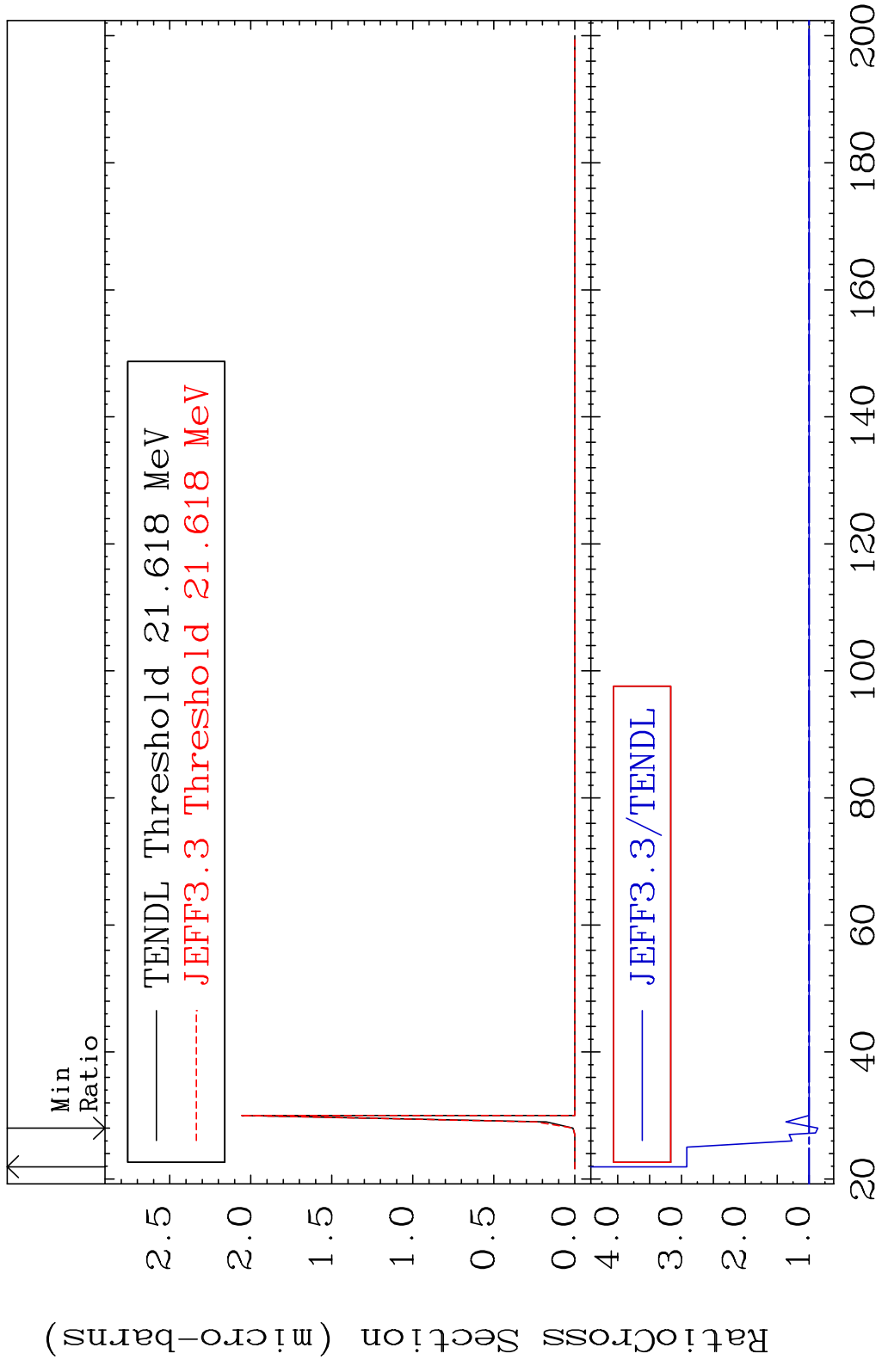


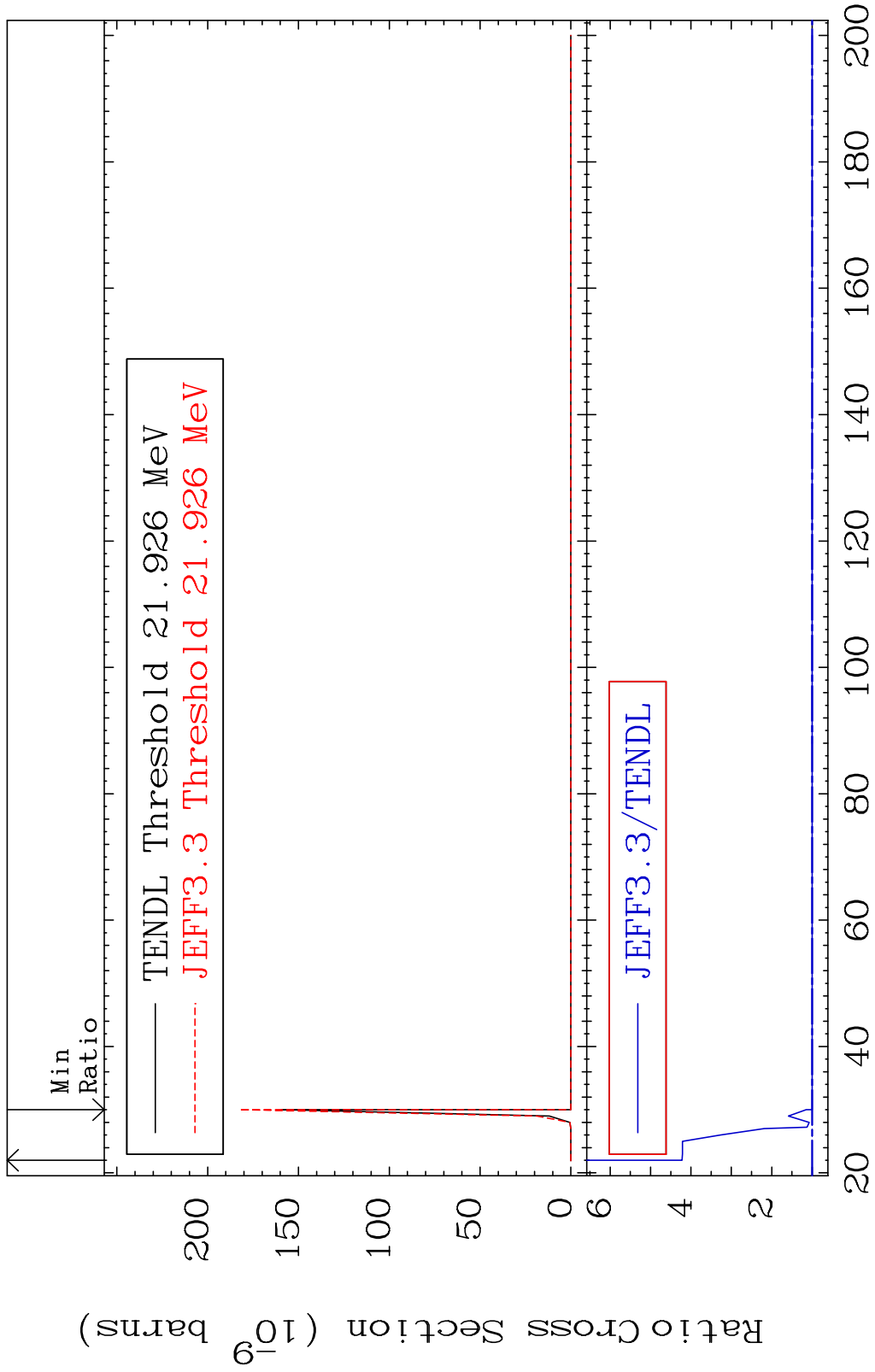
MAT 3837 (n,2n) α :36-Kr-83m2 38-Sr-88
 Radionuclide Production Cross Section 1800 d to 9999. %

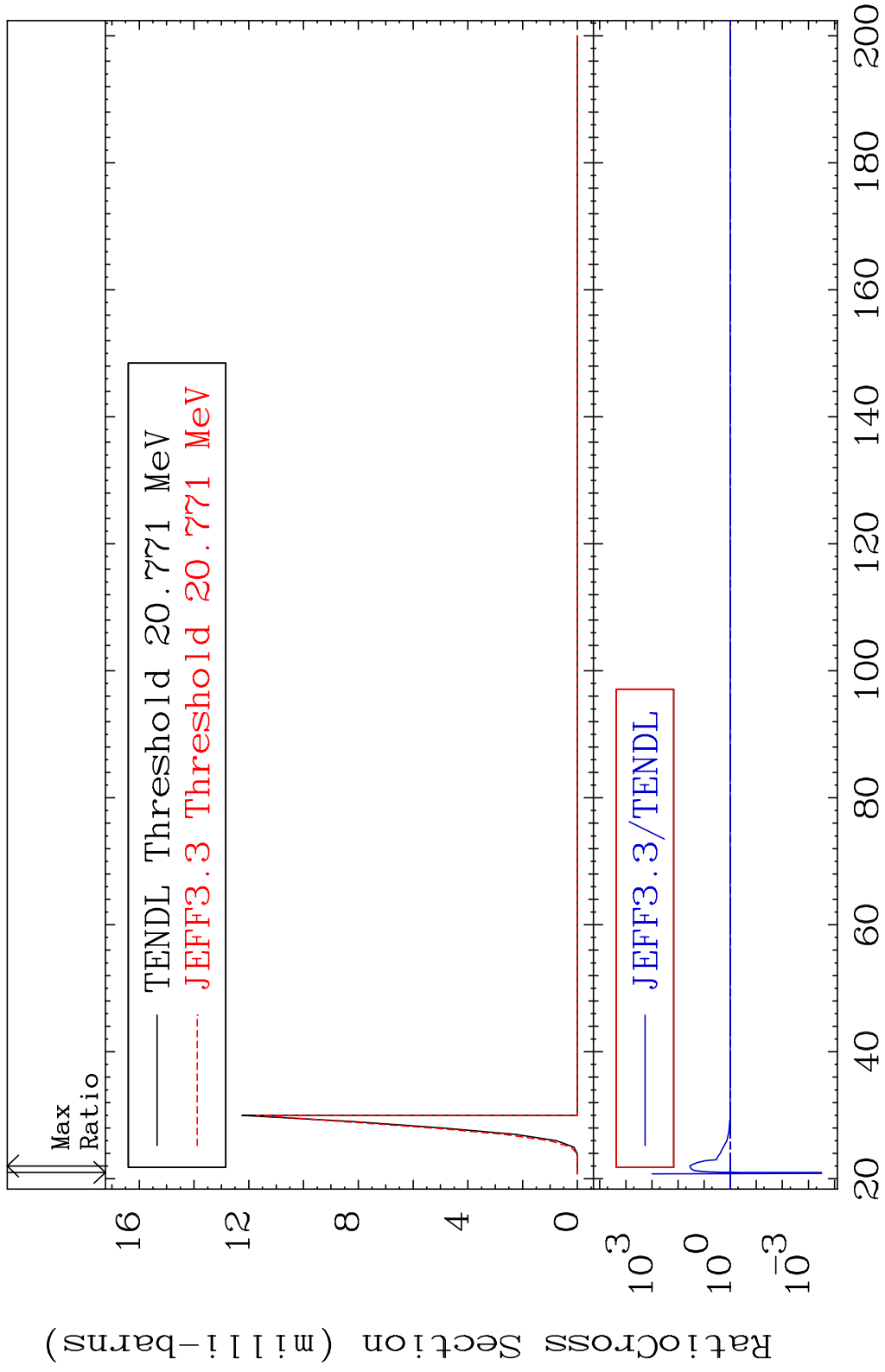




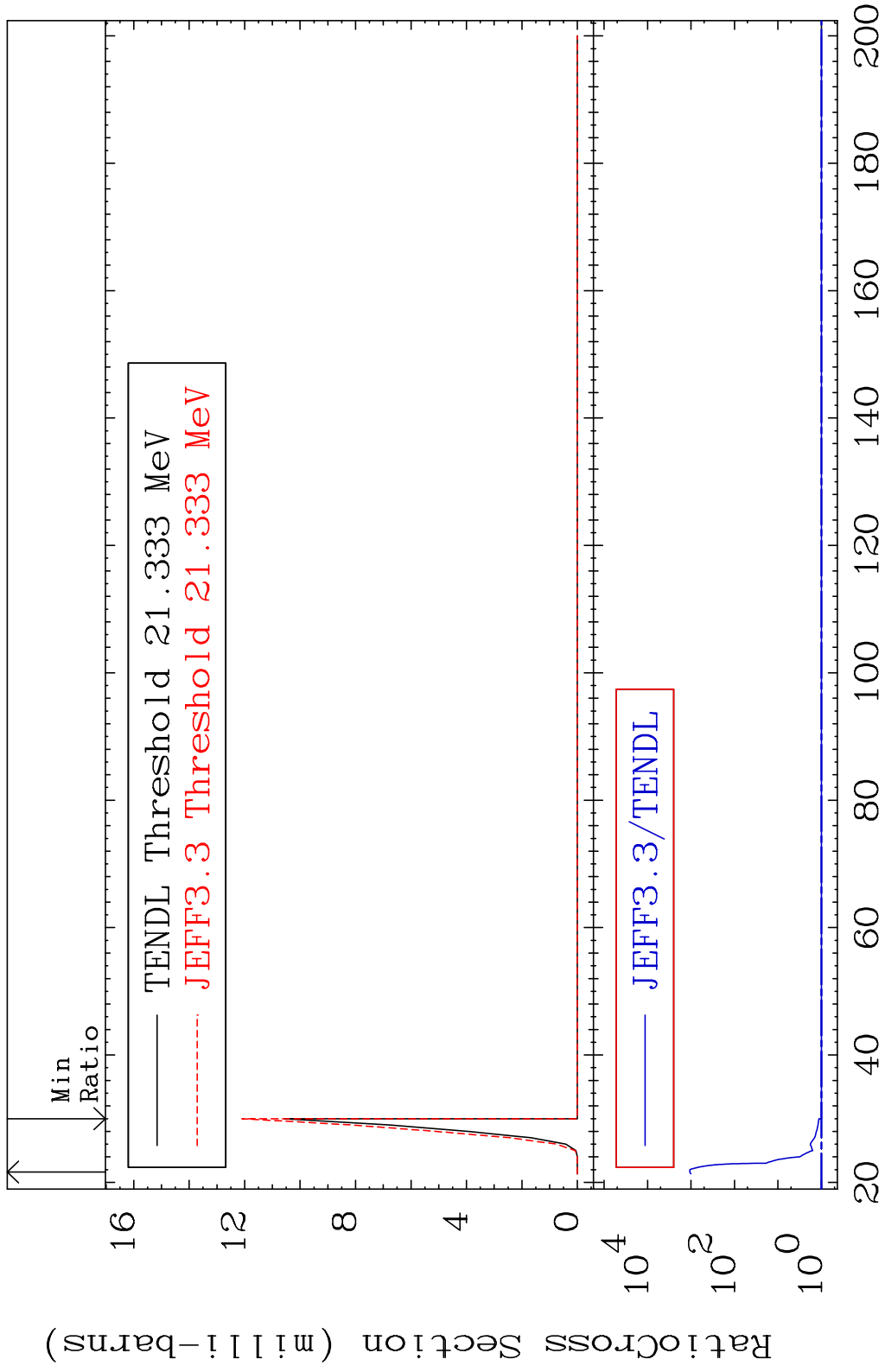




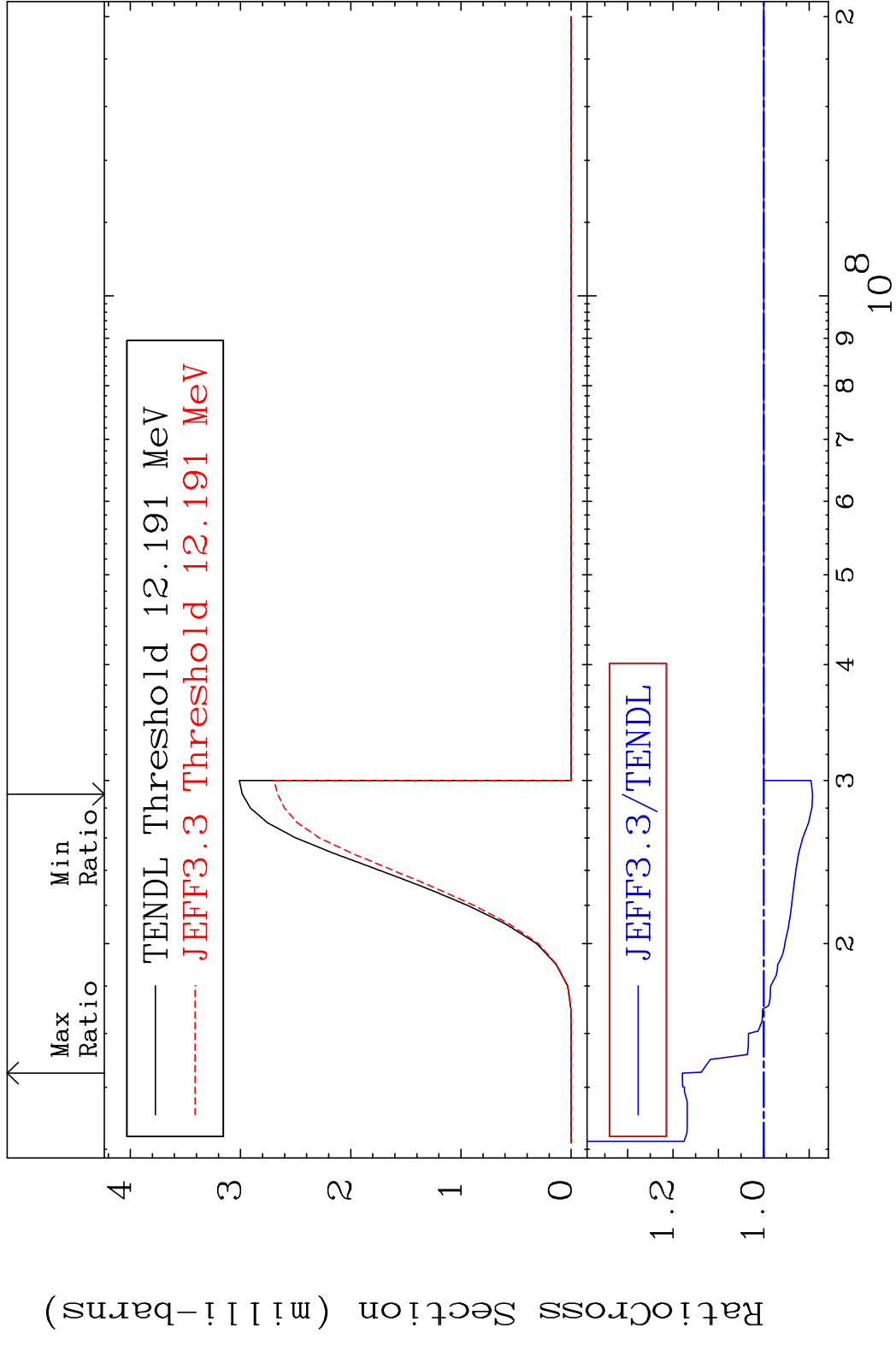


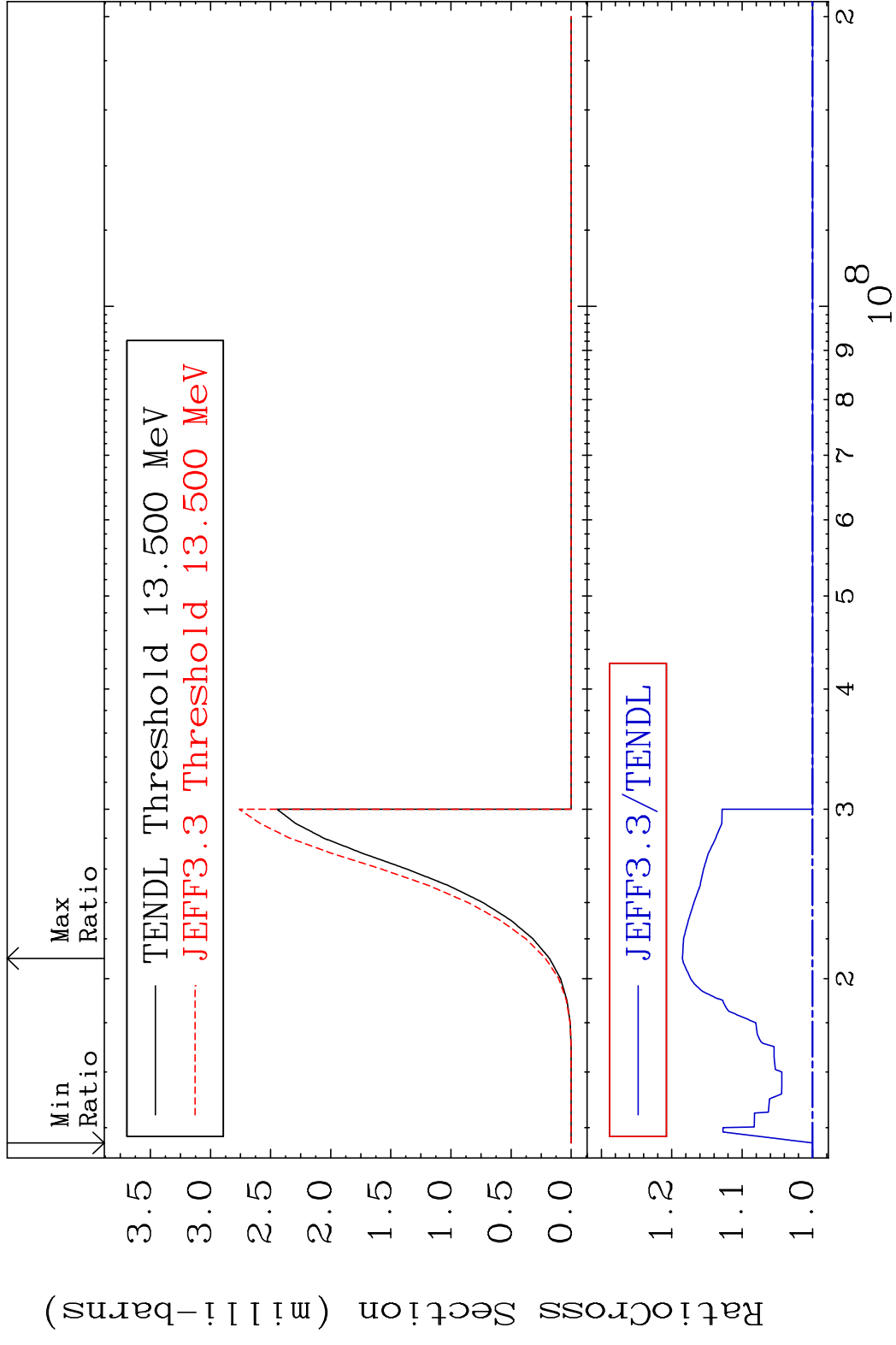


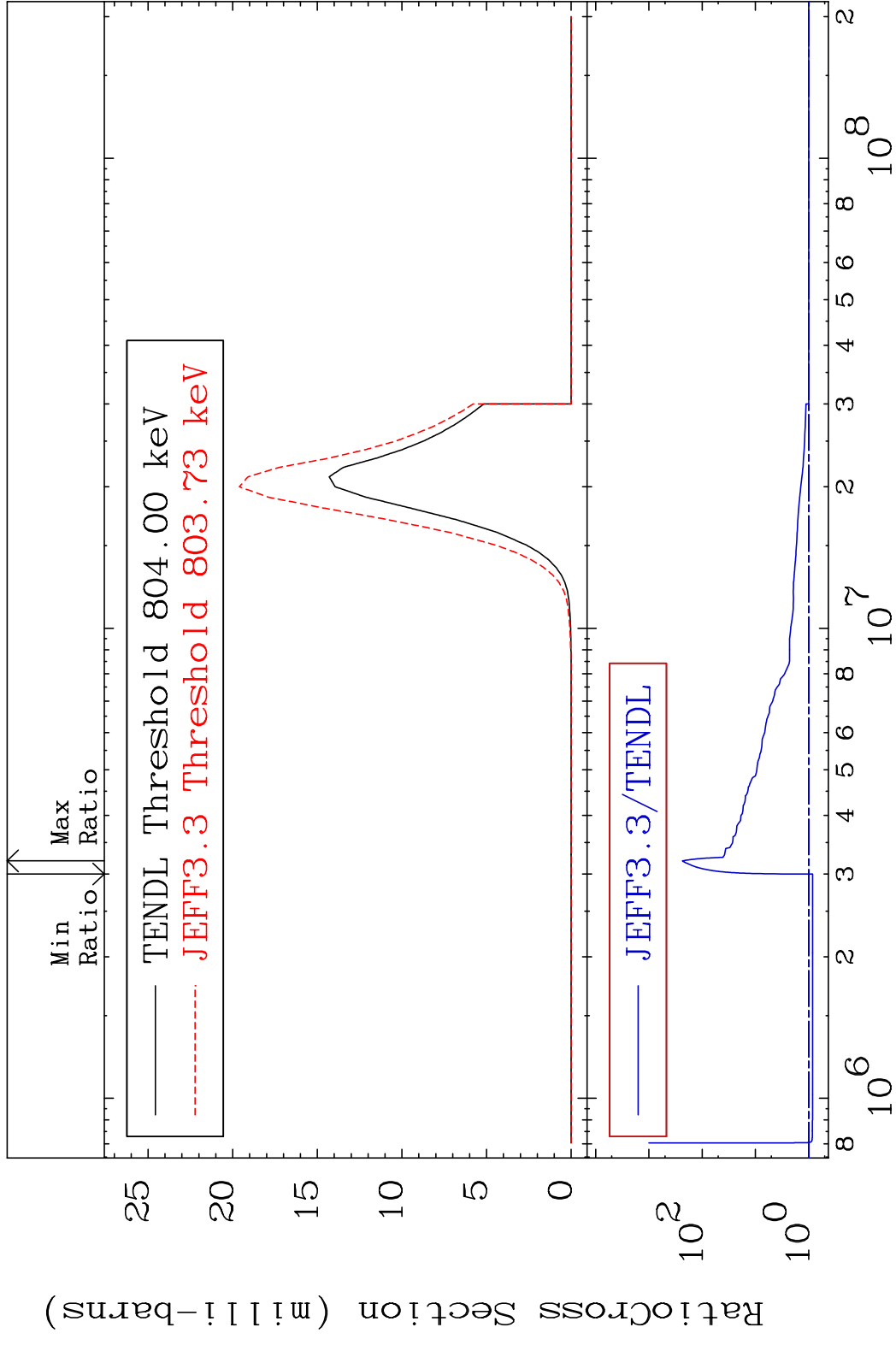
MAT 3837 (n,2n) p:37-Rb-86m2 38-Sr-88
 Radionuclide Production Cross Section 9999. %



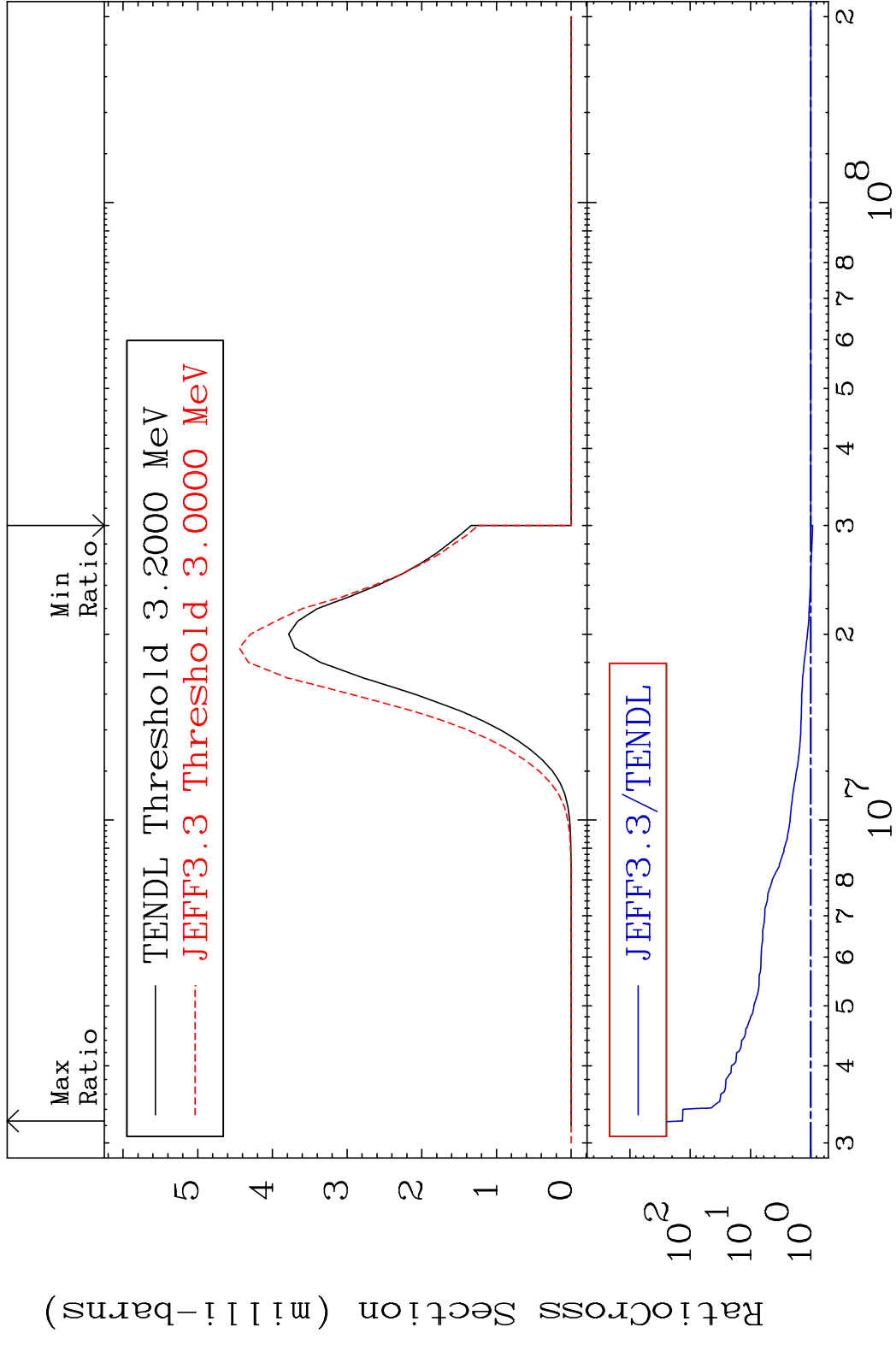
80 Incident Energy (MeV) 38-Sr-88

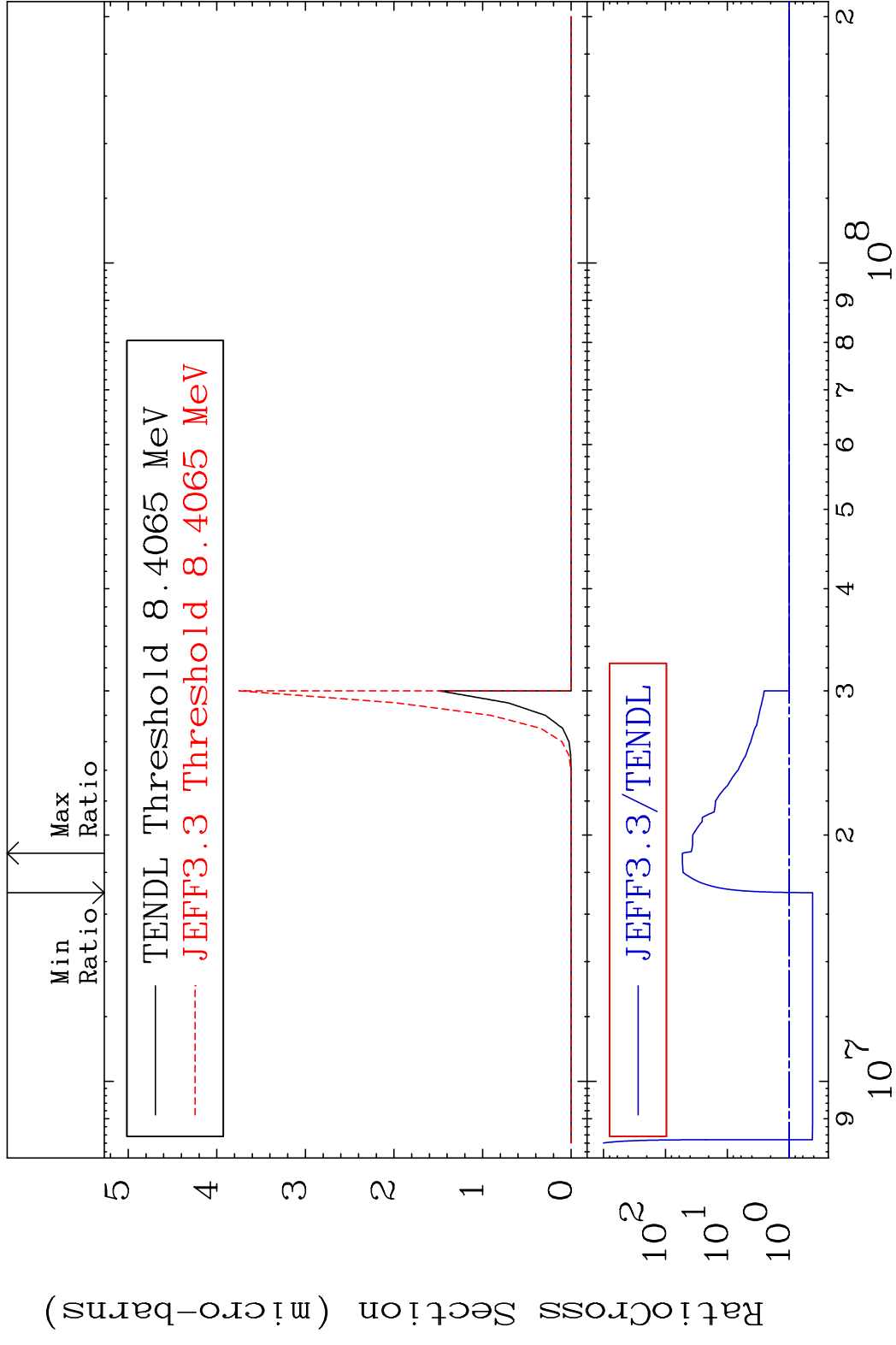


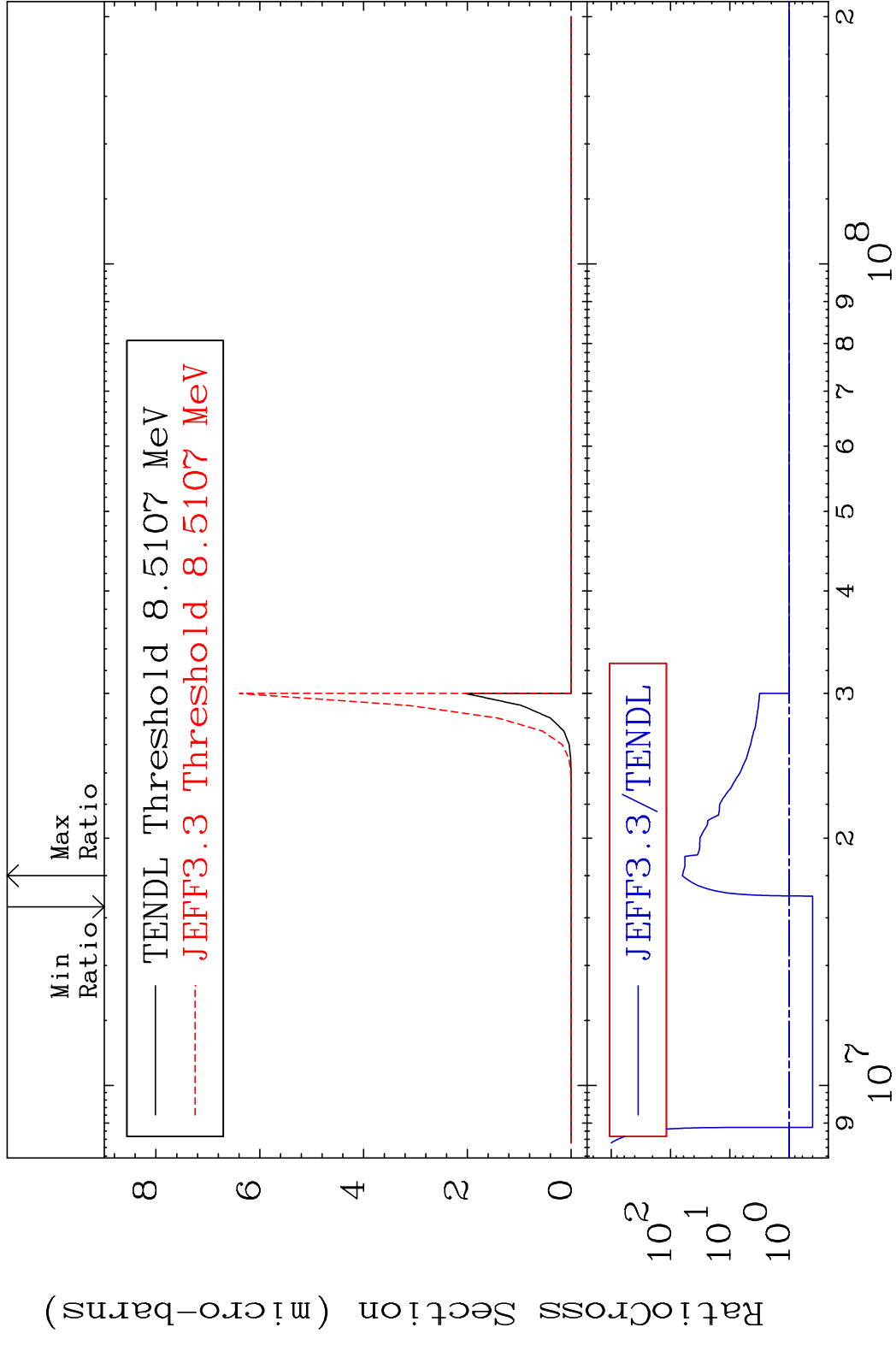


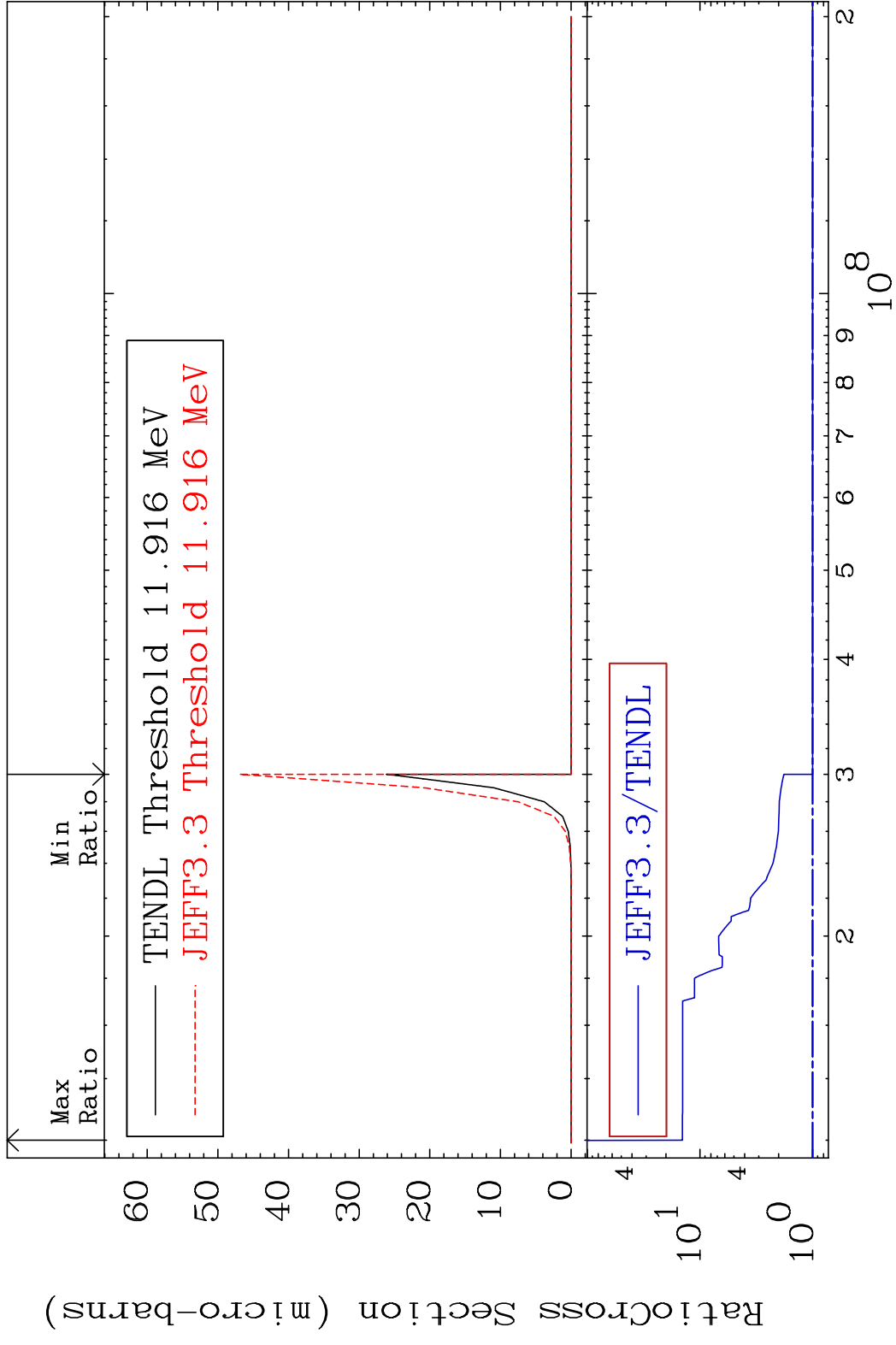


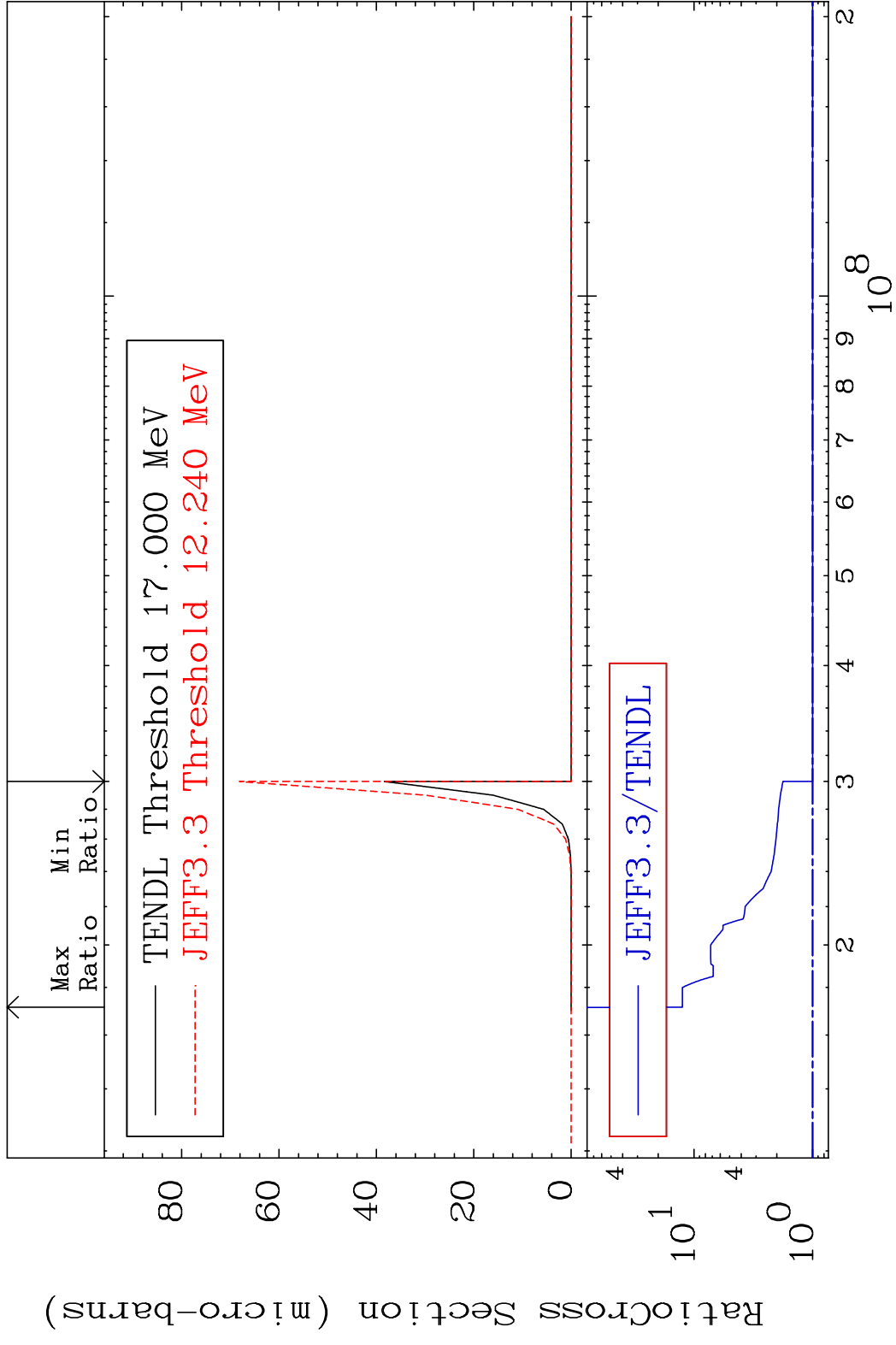
MAT 3837 (n, α): 36-Kr-85m1 38-Sr-88
 Radionuclide Production Cross Section (%)

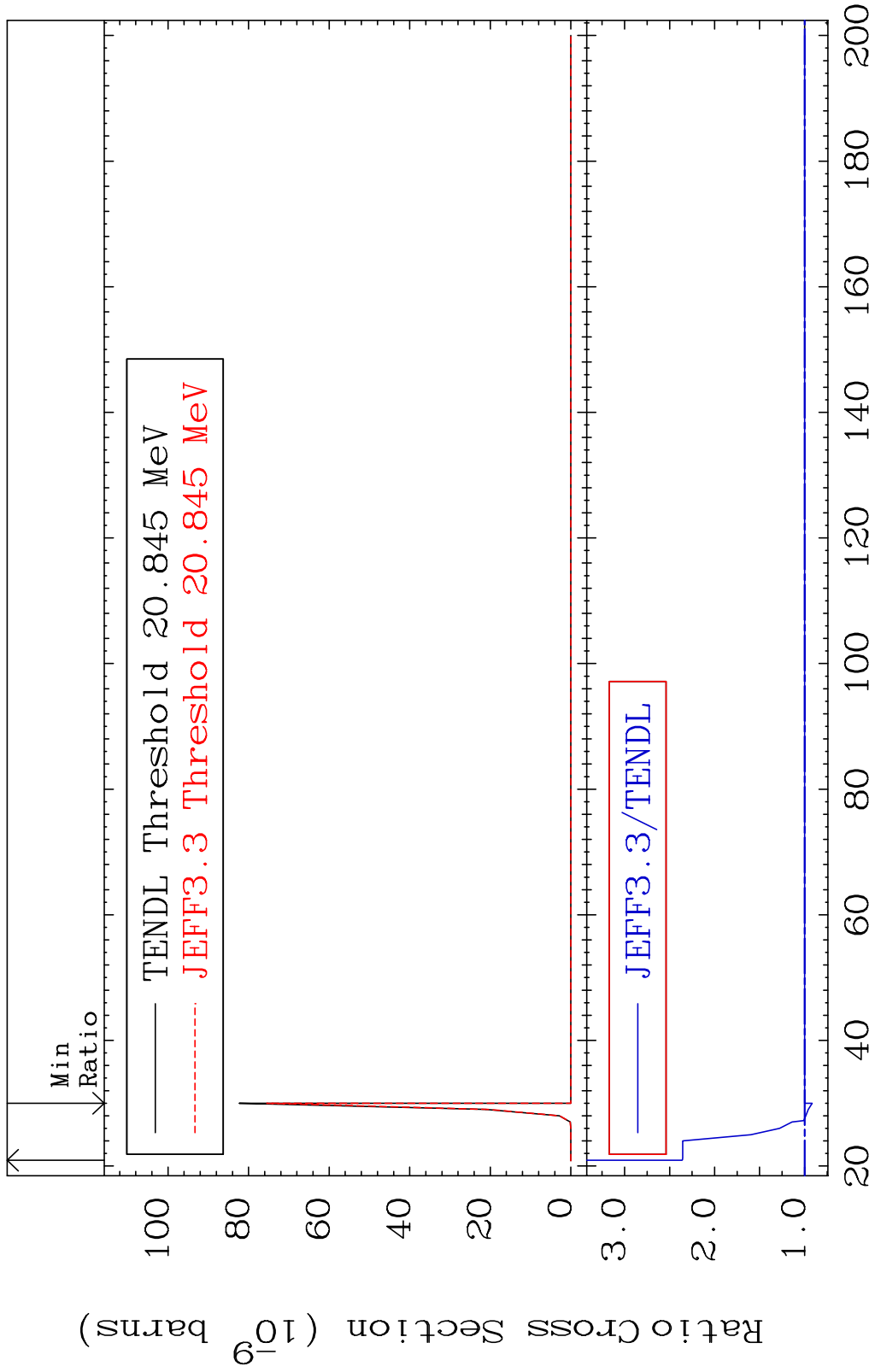




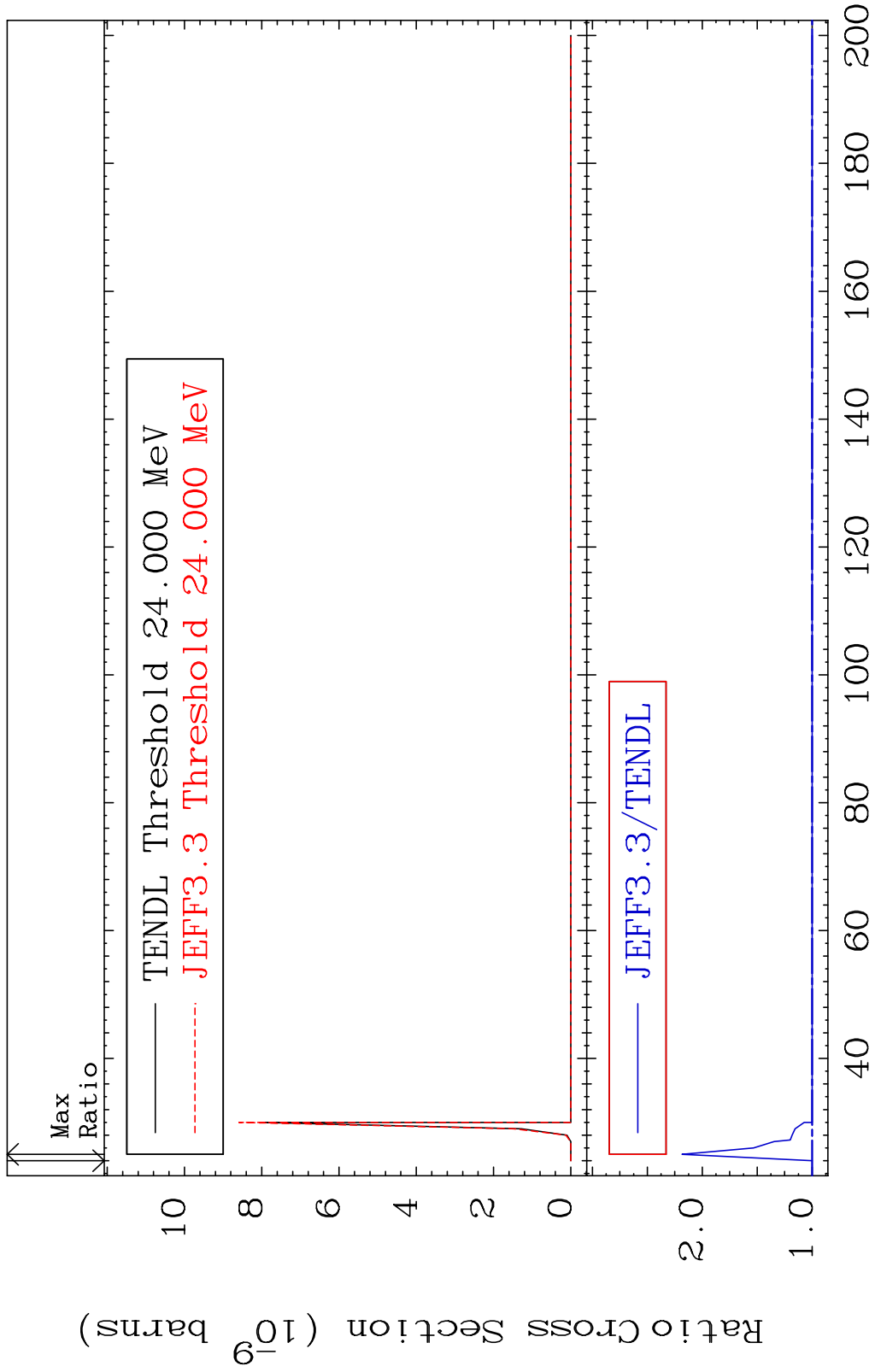








MAT 3837 (n,p) t:36-Kr-85m1 38-Sr-88
 Radionuclide Production Cross Section 118.5 %



90 Incident Energy (MeV) 38-Sr-88