

Program Complot
(Version 2021-1)

by

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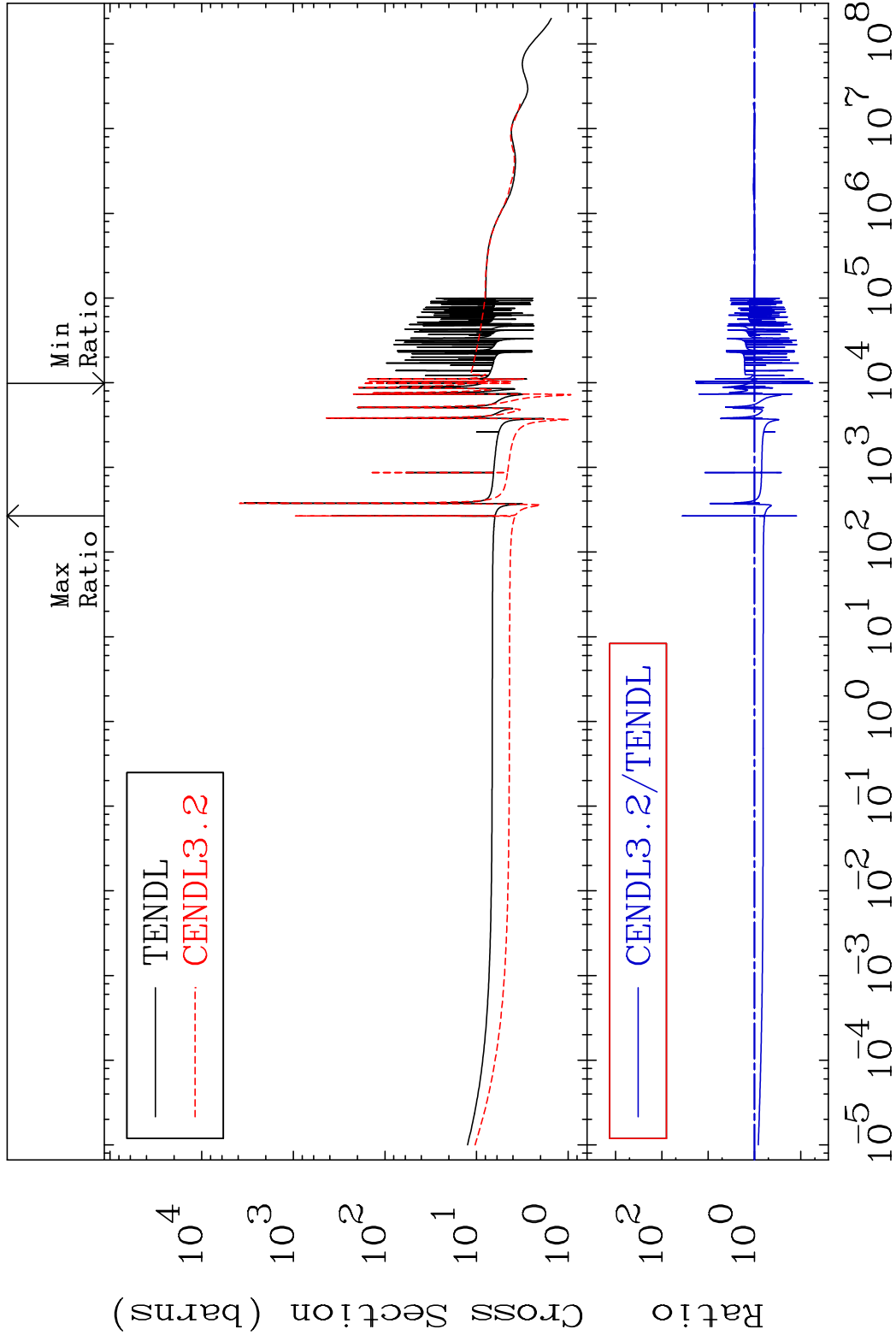
Press Mouse Button to Start

MAT 3731

Total

37-Rb-87

Cross Section -94.41 To 3514. %



1

Incident Energy (eV)

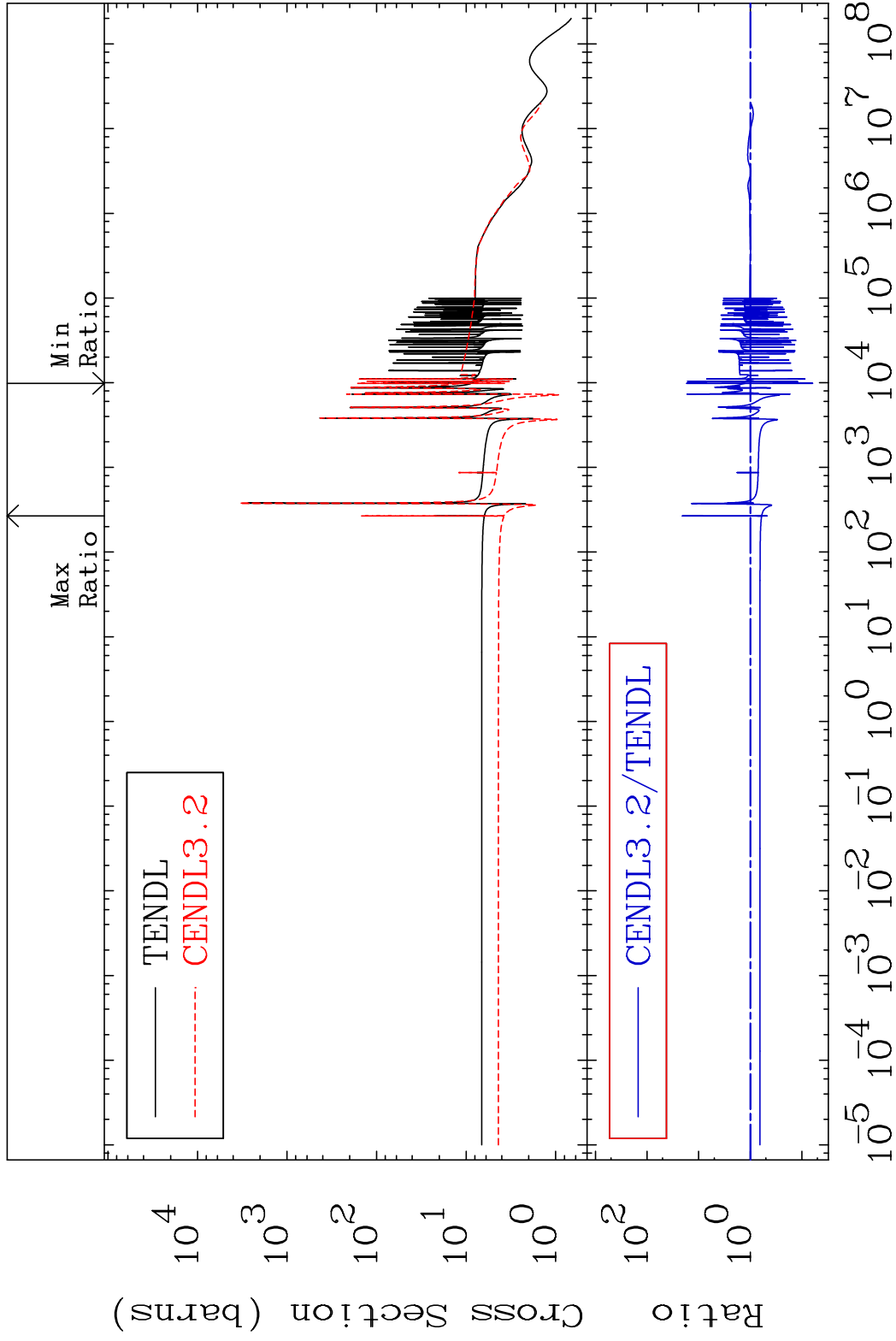
37-Rb-87

MAT 3731

Elastic

37-Rb-87

Cross Section -93.81 To 1974. %

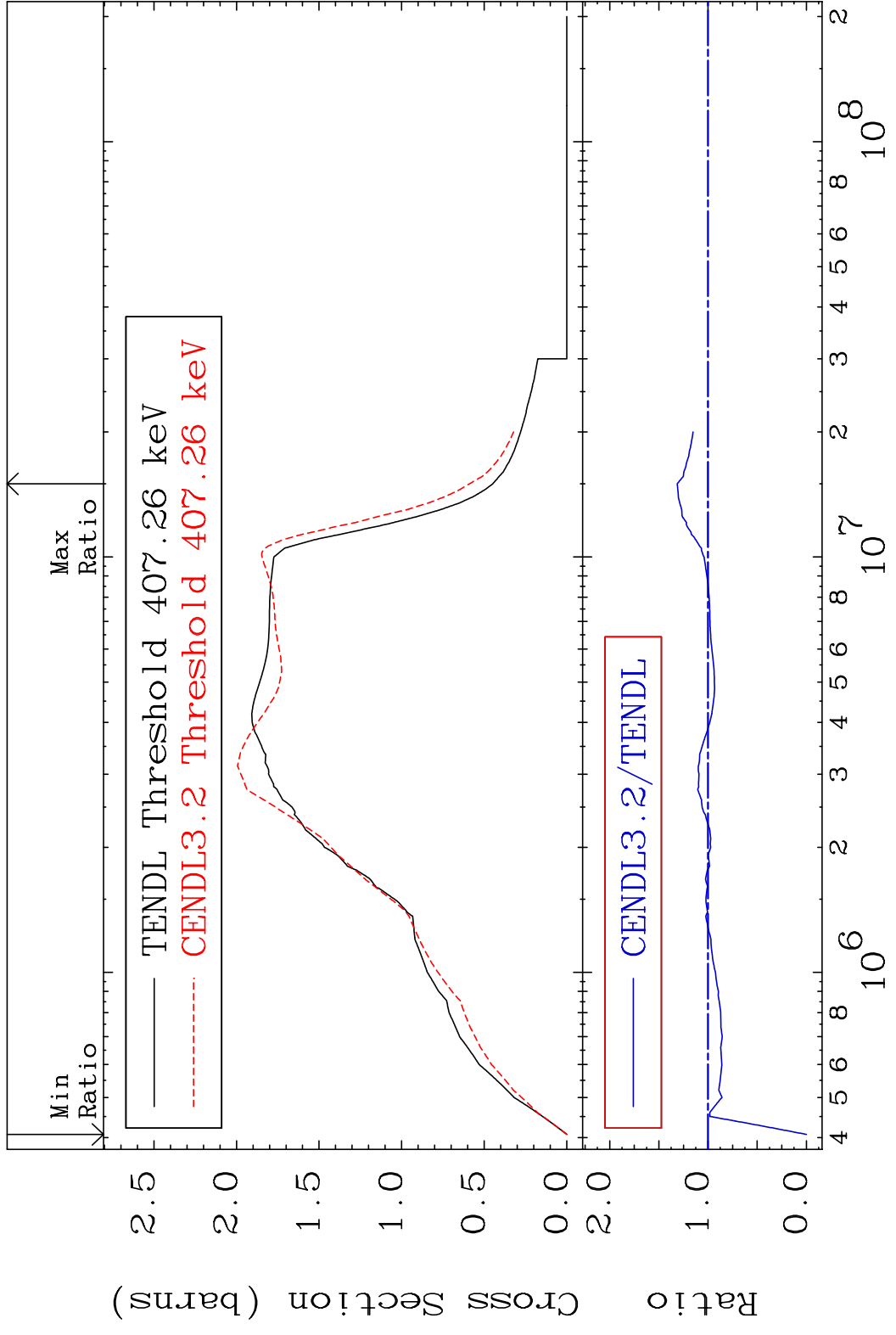


2

Incident Energy (eV)

37-Rb-87

MAT 3731 Inelastic 37-Rb-87
 Cross Section -100.0 To 31.37 %



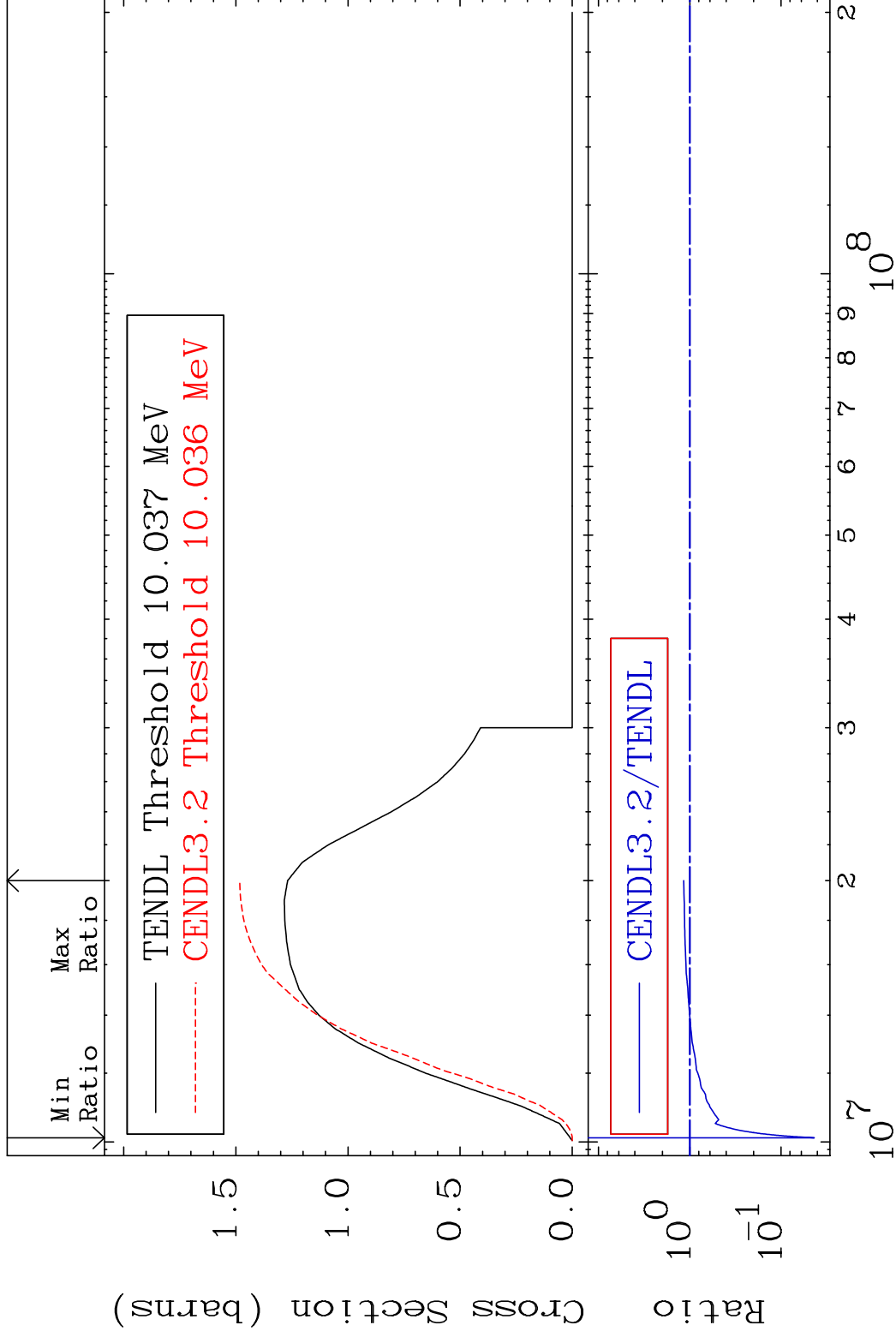
3 Incident Energy (eV) 37-Rb-87

MAT 3731

(n,2n)

37-Rb-87

Cross Section -95.66 To 16.81 %



4

Incident Energy (eV)

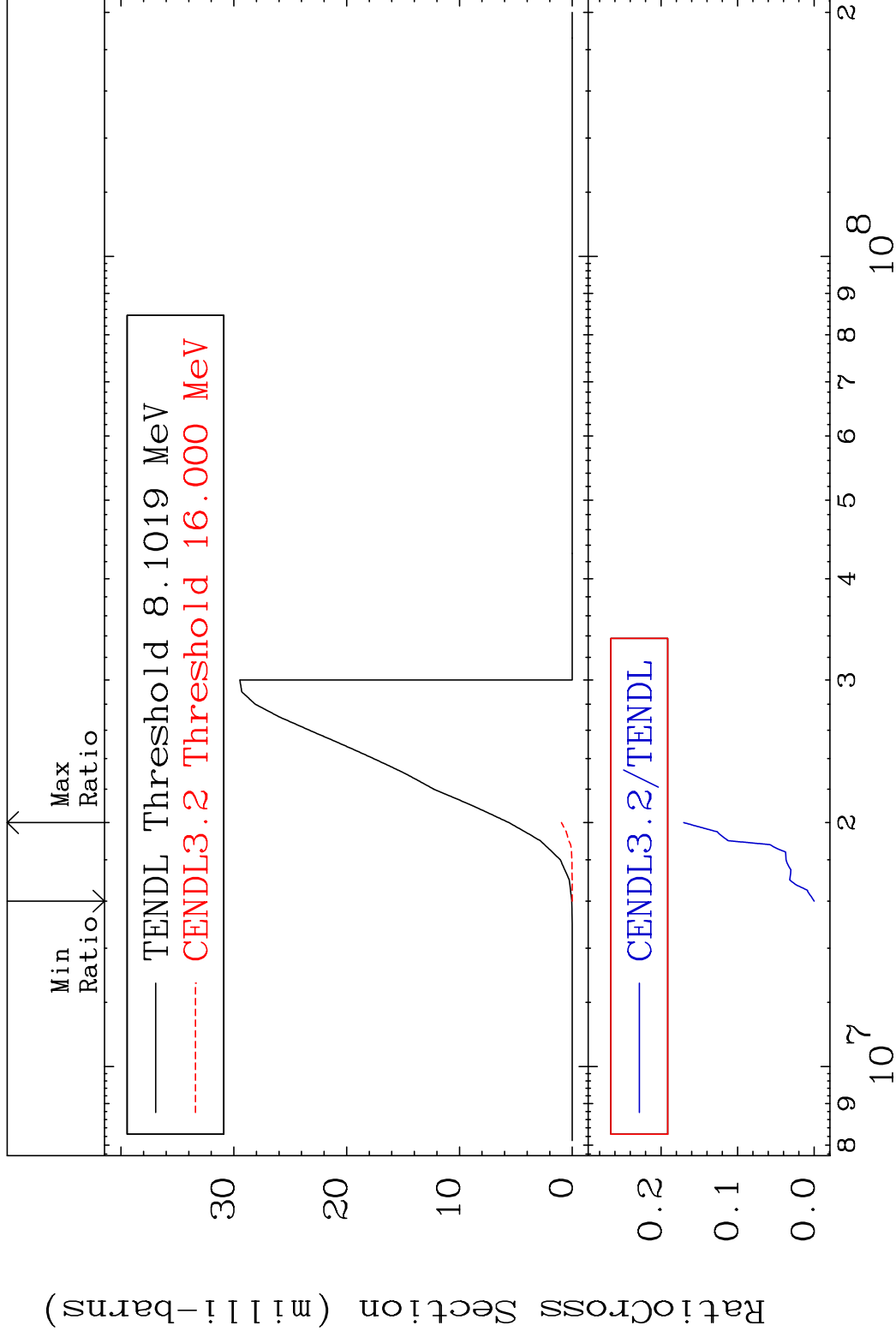
37-Rb-87

MAT 3731

(n, n') α

37-Rb-87

Cross Section -100.0 To -82.96%



5

Incident Energy (eV)

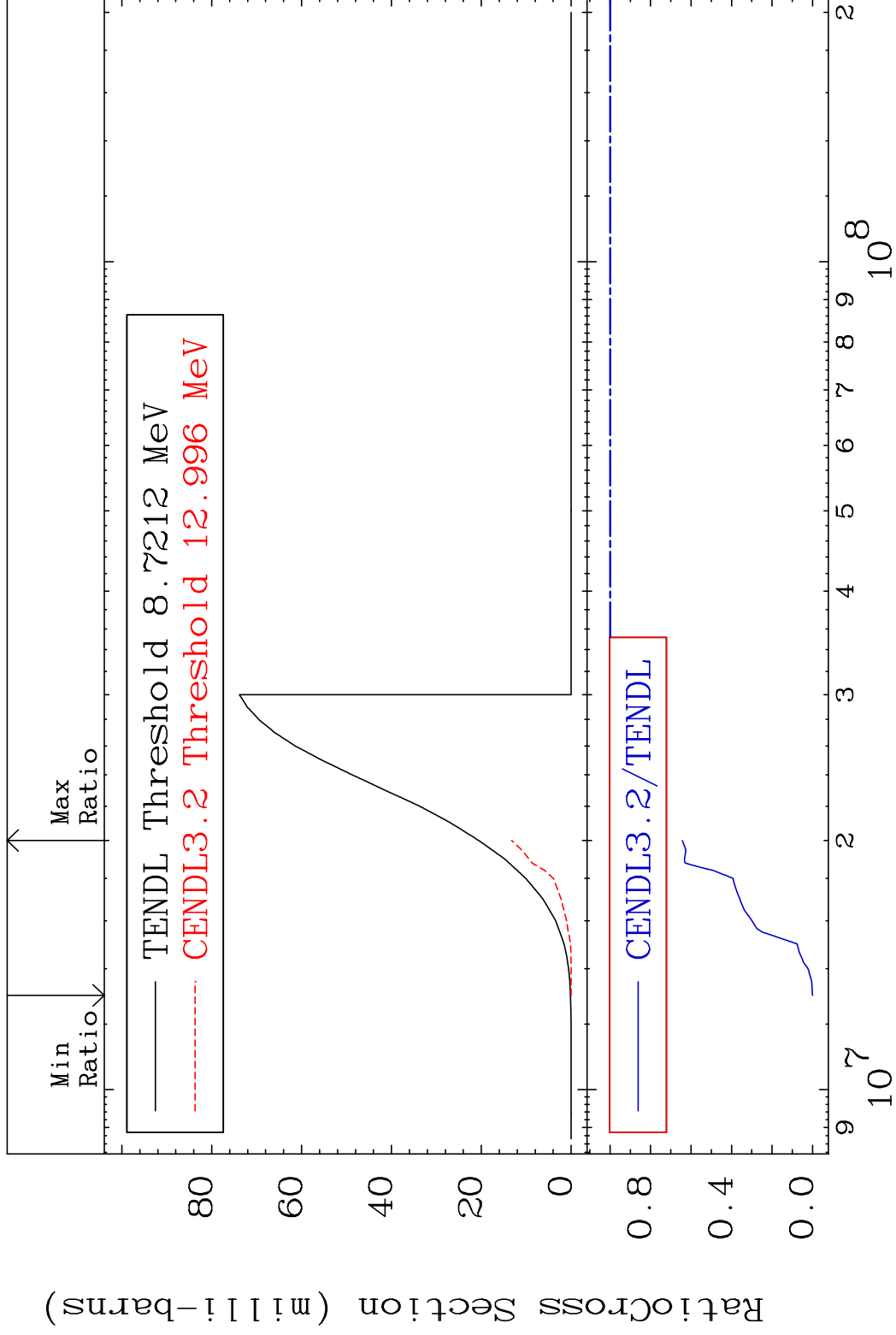
37-Rb-87

MAT 3731

(n, n') p

37-Rb-87

Cross Section -100.0 To -35.70%

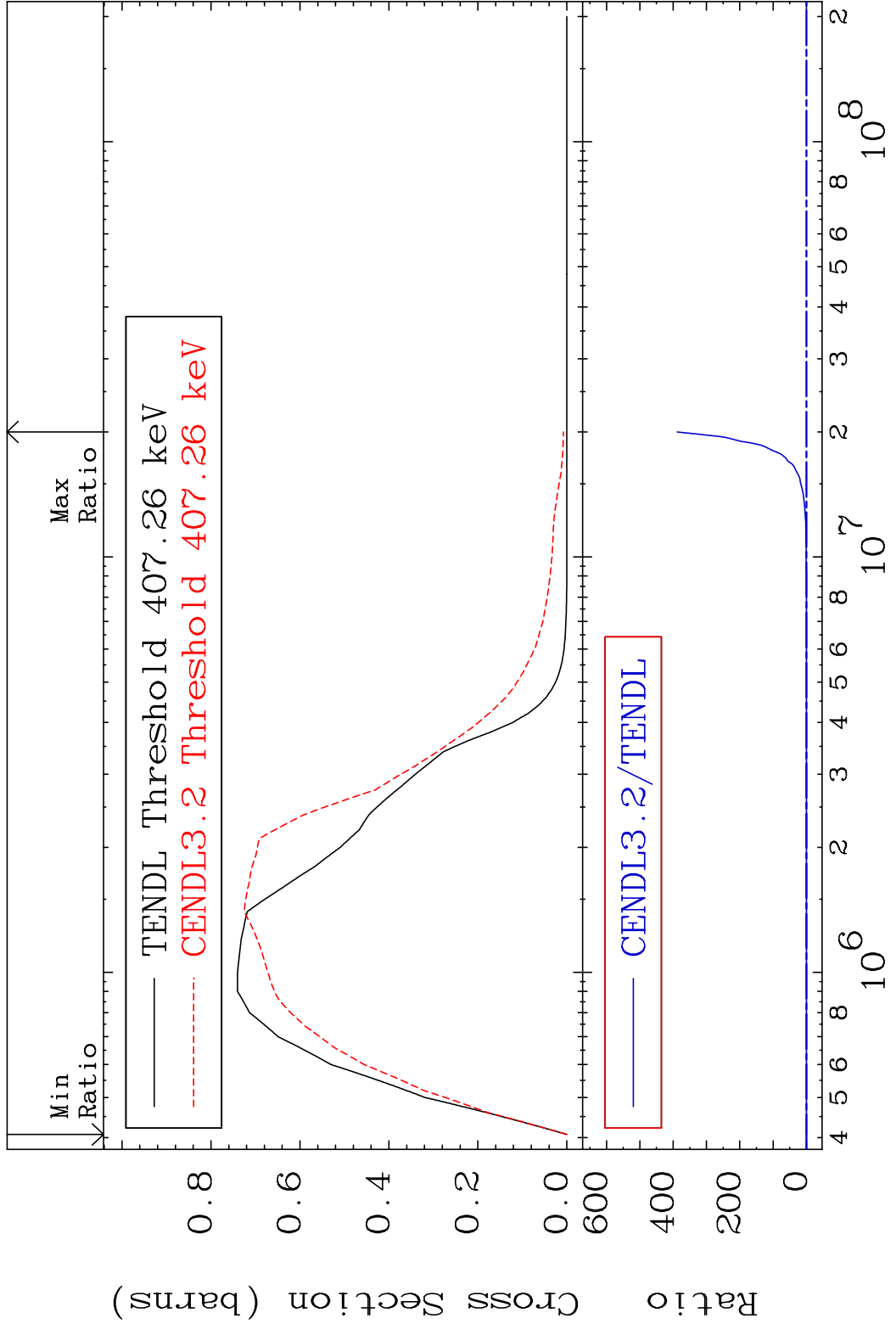


6

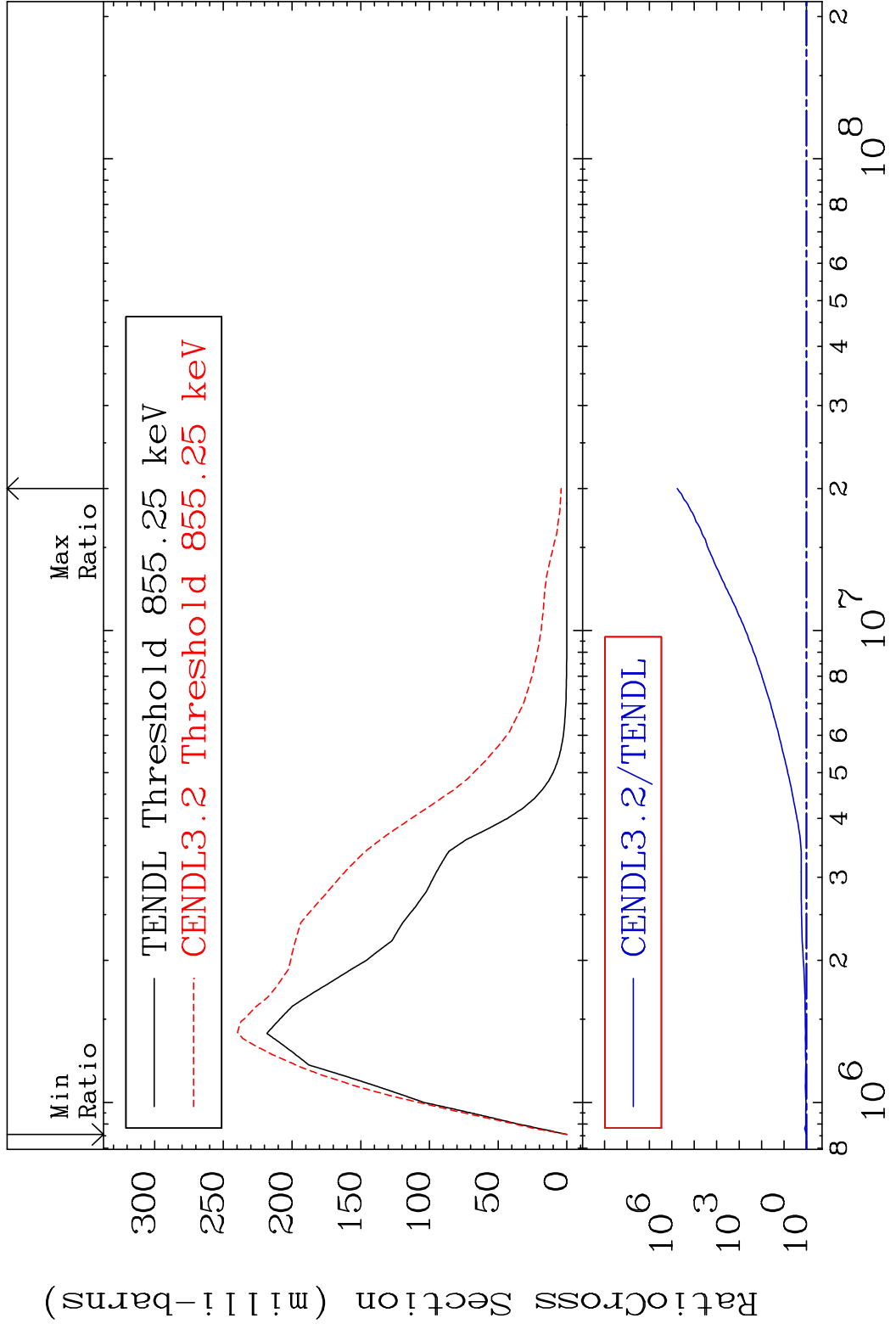
Incident Energy (eV)

37-Rb-87

MAT 3731 MT= 51 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %

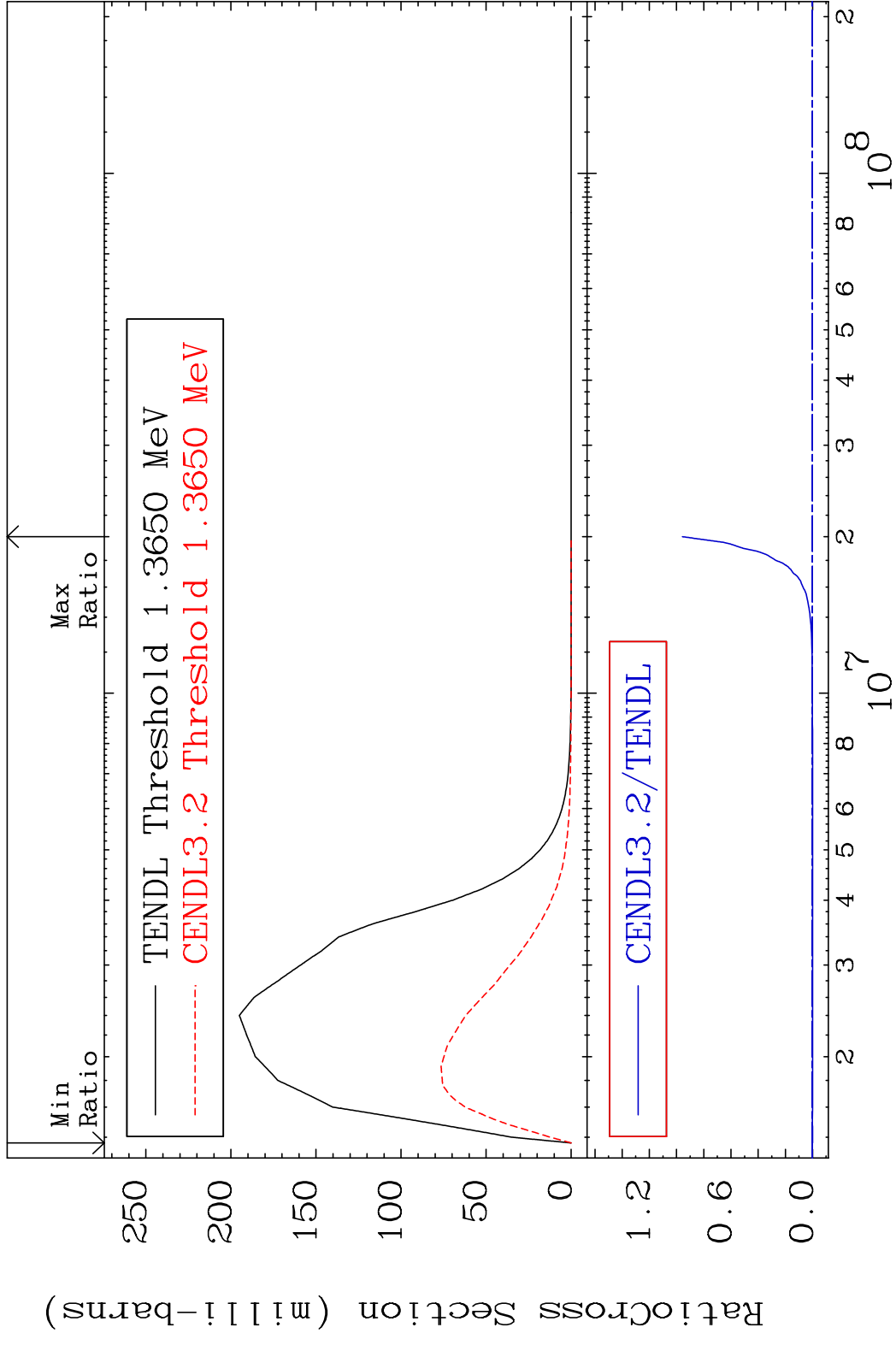


MAT 3731 MT= 52 (n, n') Level 37-Rb-87
 Cross Section 0.000 To 9999. %

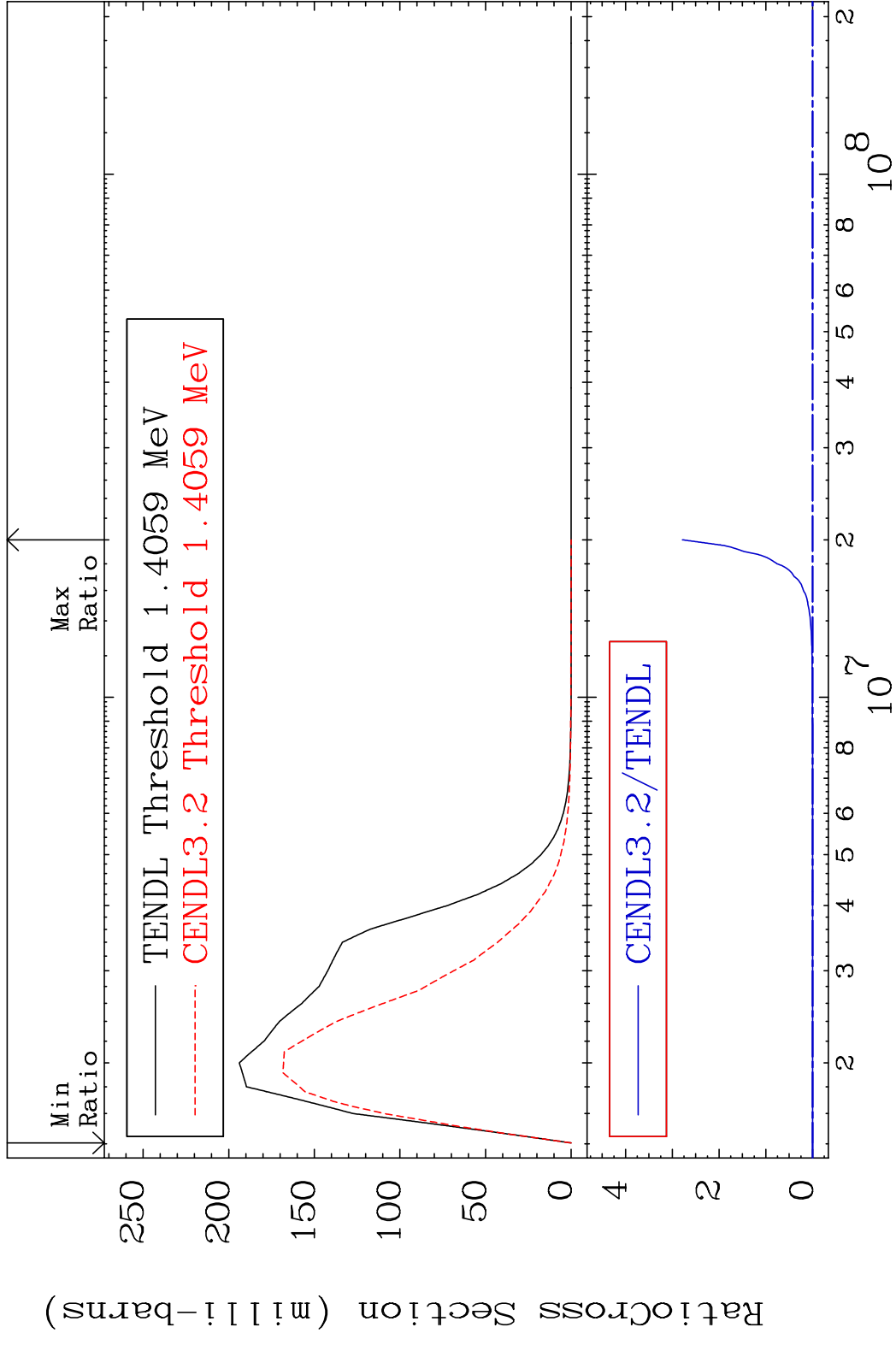


8 Incident Energy (eV) 37-Rb-87

MAT 3731 MT= 53 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %

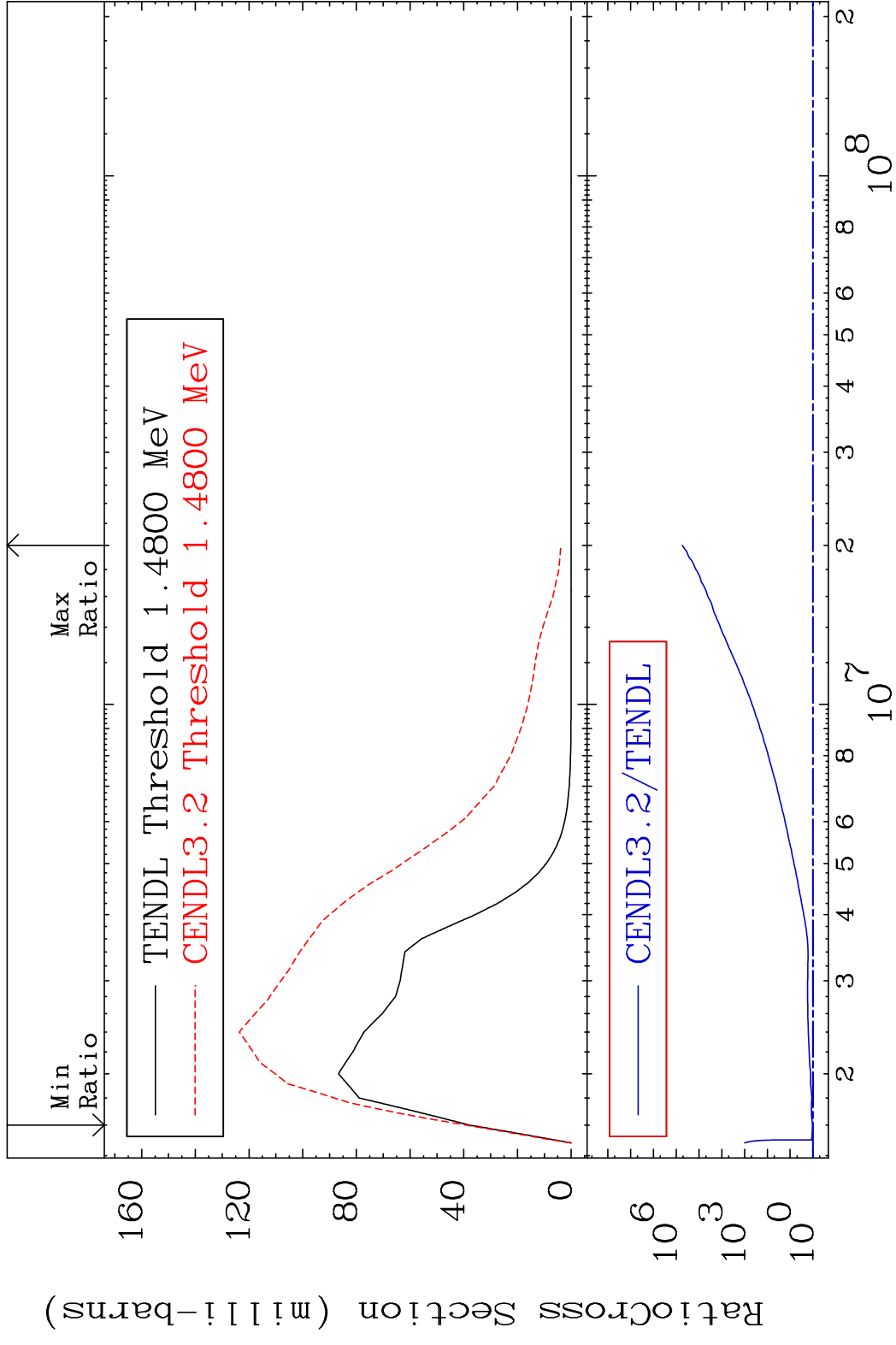


MAT 3731 MT= 54 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %

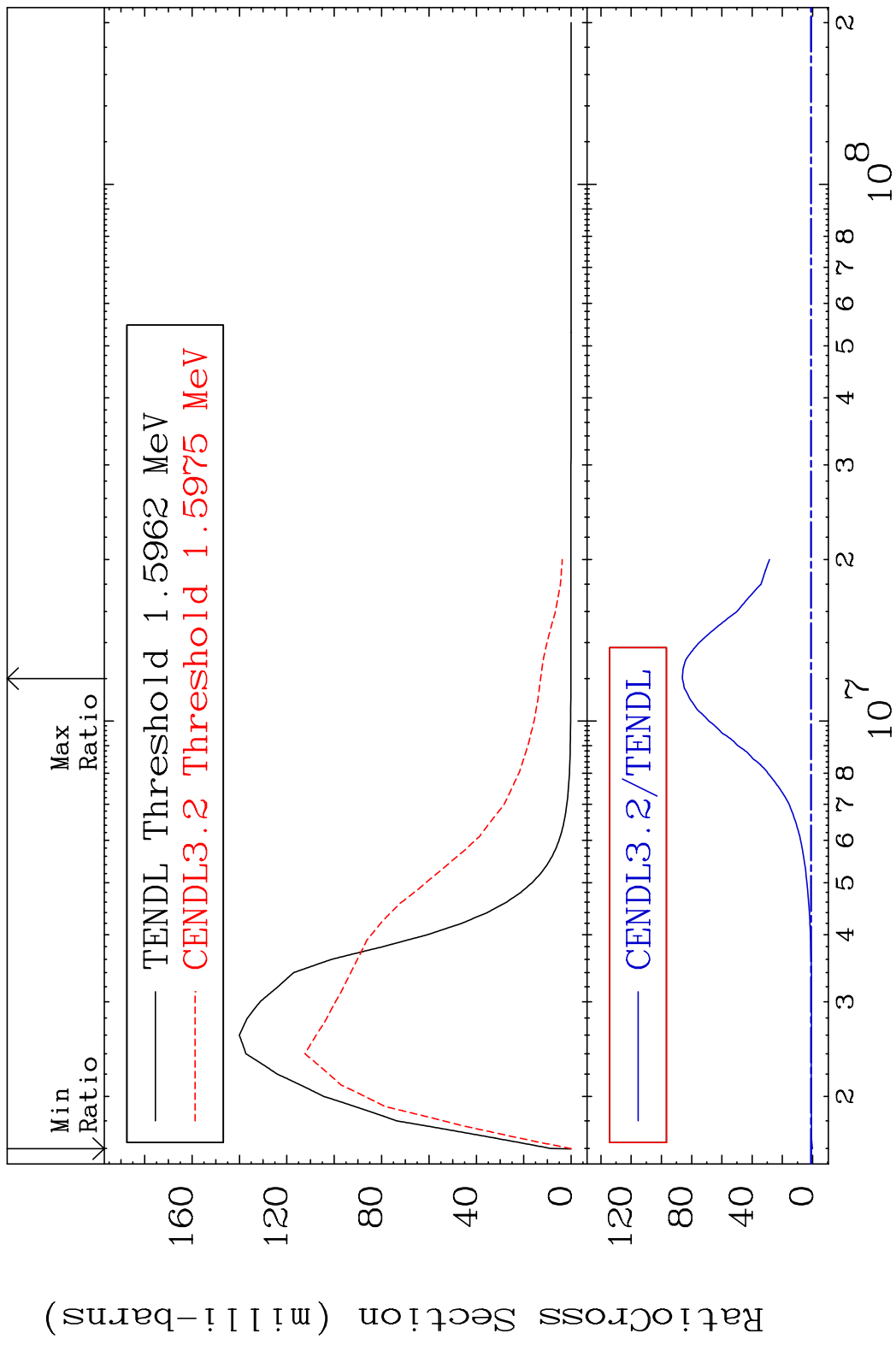


10 10 37-Rb-87

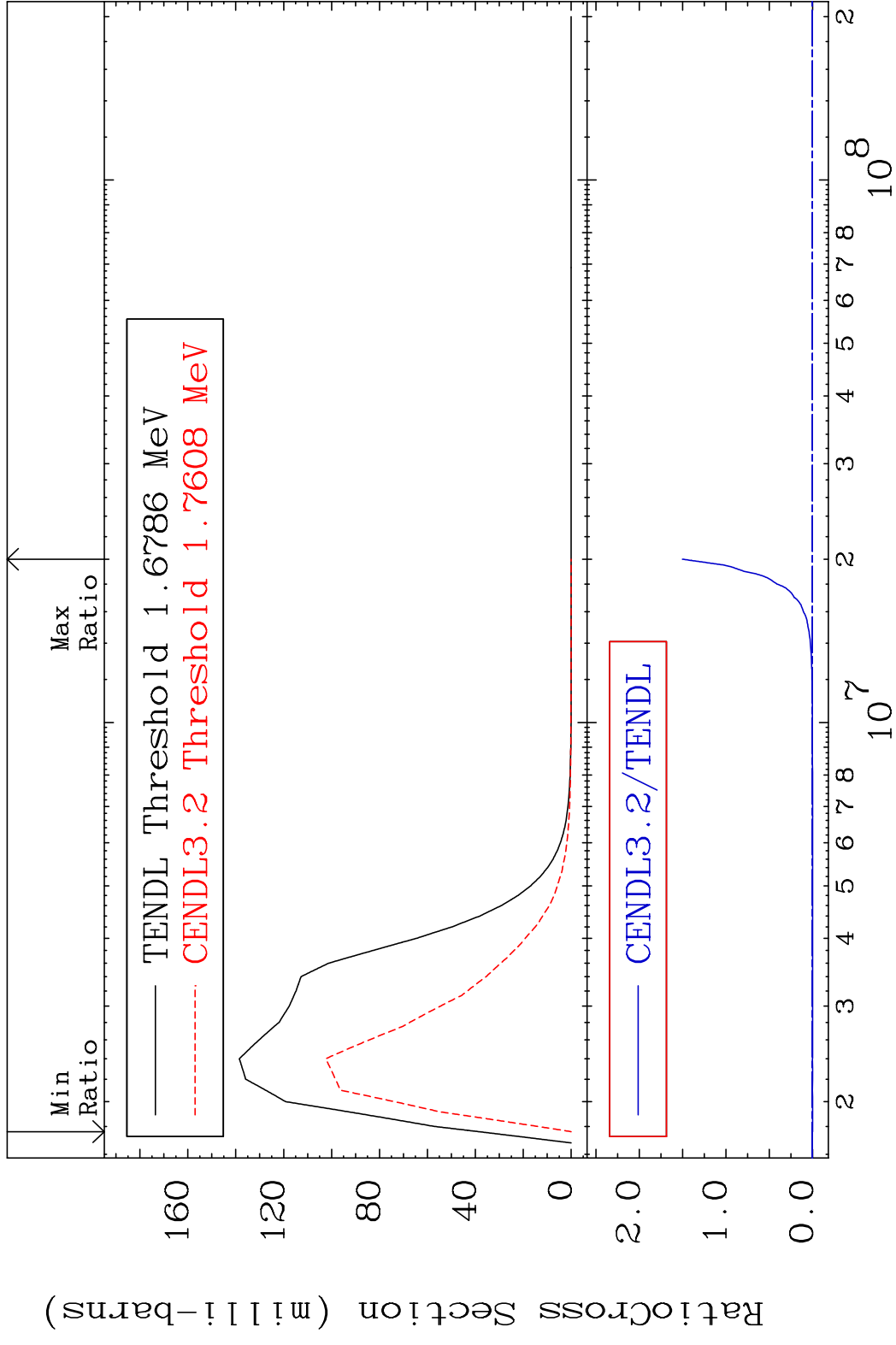
MAT 3731 MT= 55 (n,n') Level 37-Rb-87
 Cross Section 3.718 To 9999. %



MAT 3731 MT= 56 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 8514. %

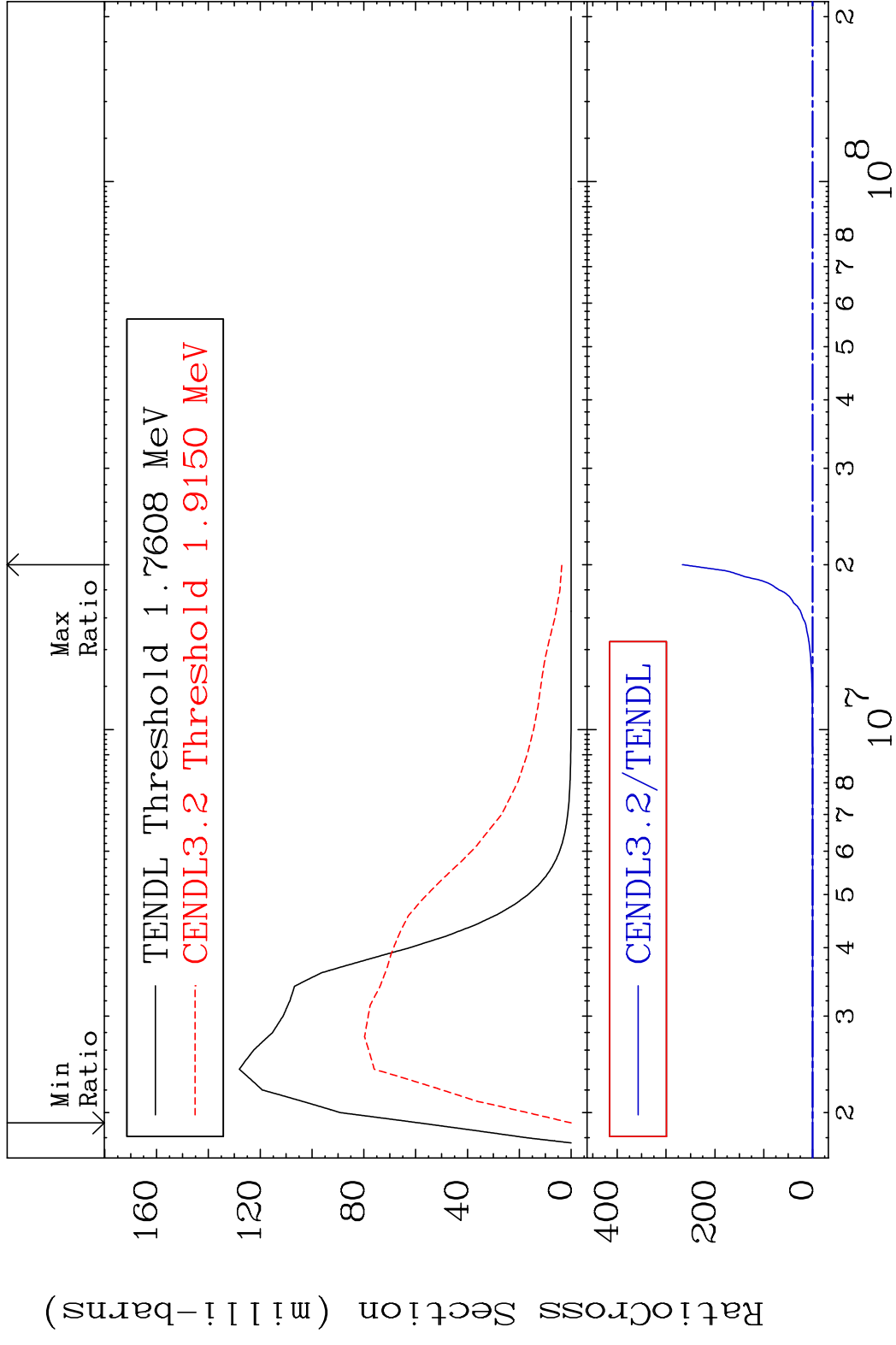


MAT 3731 MT= 57 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %

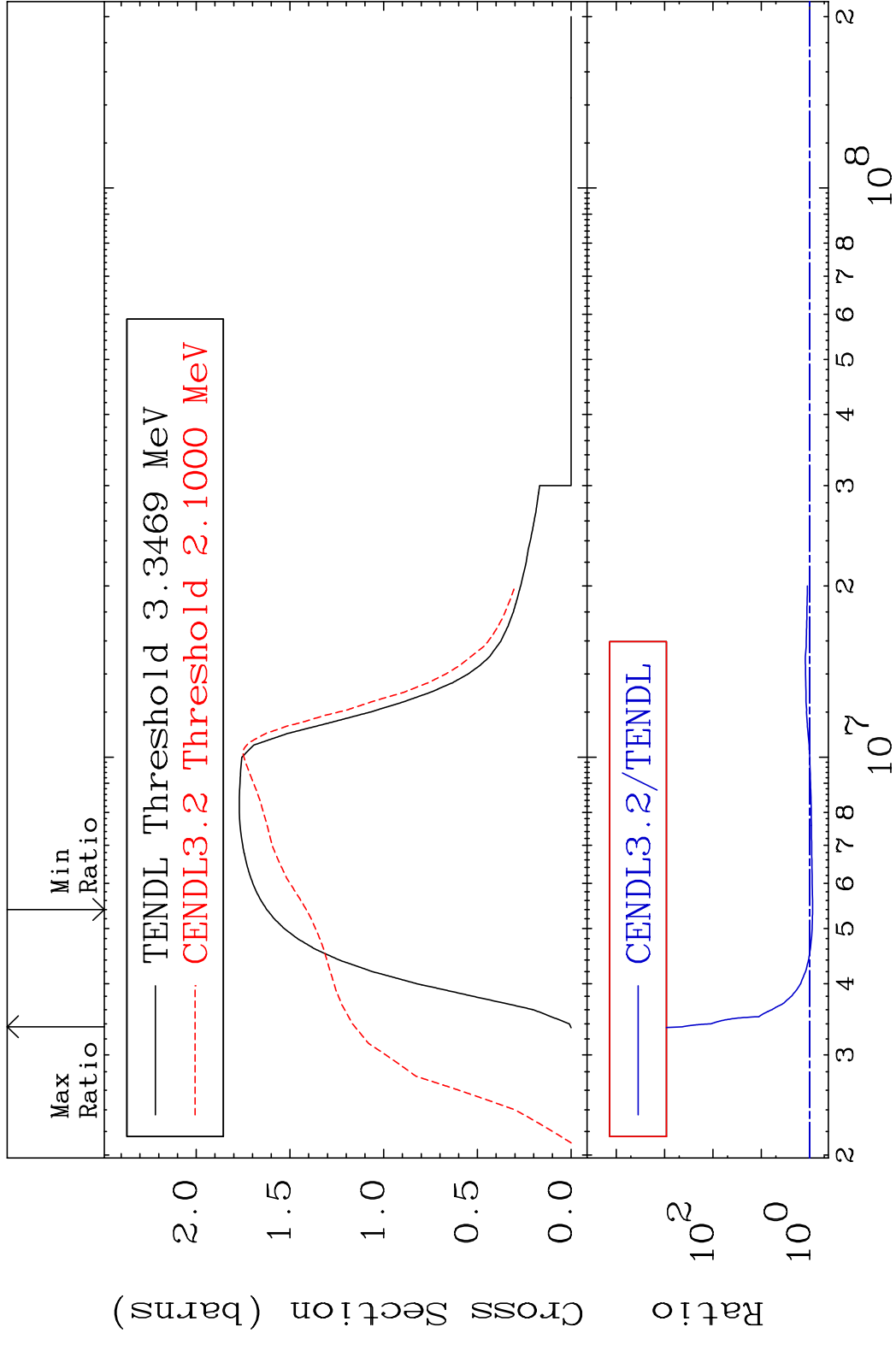


13 Incident Energy (eV) 37-Rb-87

MAT 3731 MT= 58 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %



MAT 3731 (n,n') Continuum 37-Rb-87
 Cross Section -12.97 To 9999. %

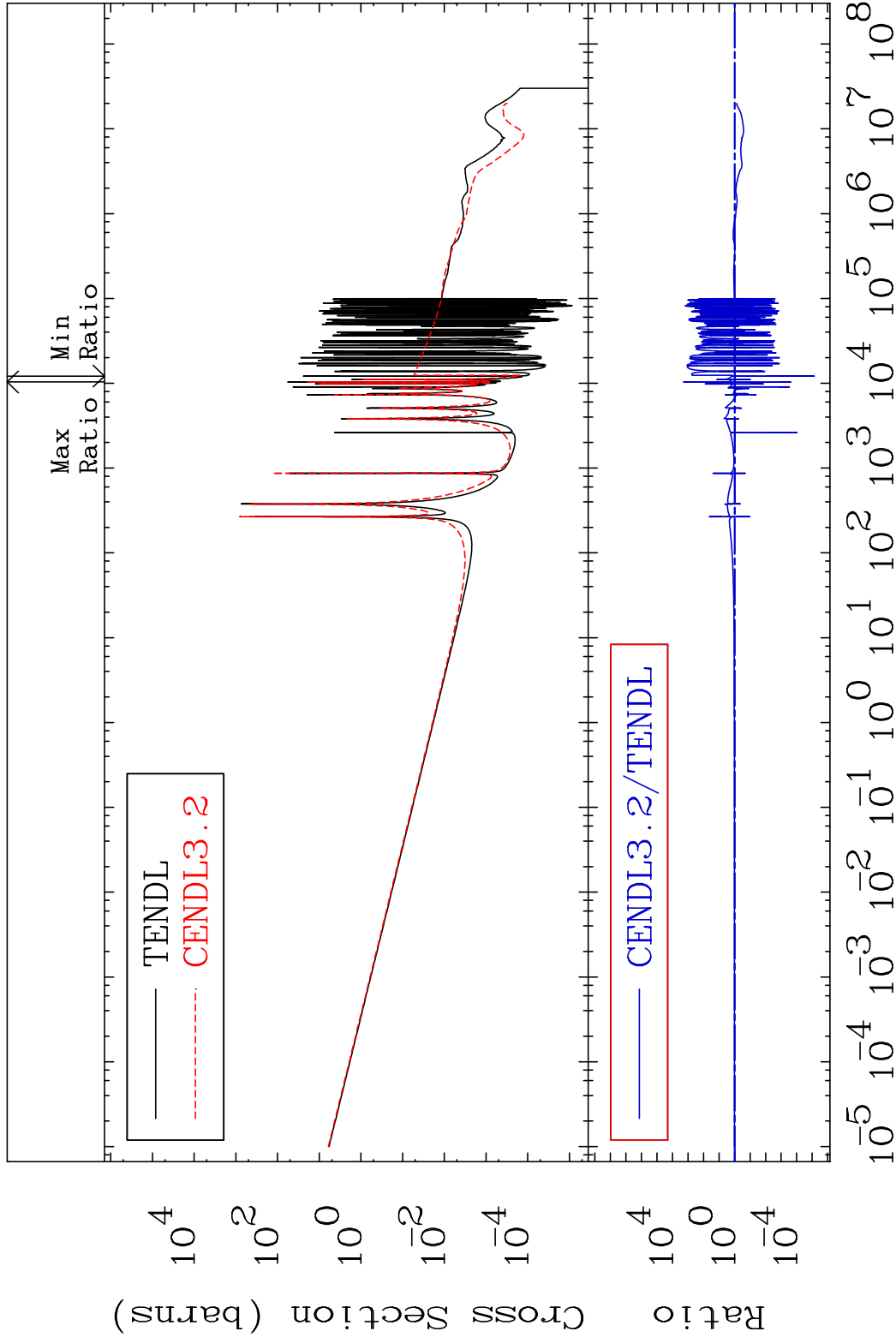


MAT 3731

(n, γ)

37-Rb-87

Cross Section -100.0 To 9999. %



16

Incident Energy (eV)

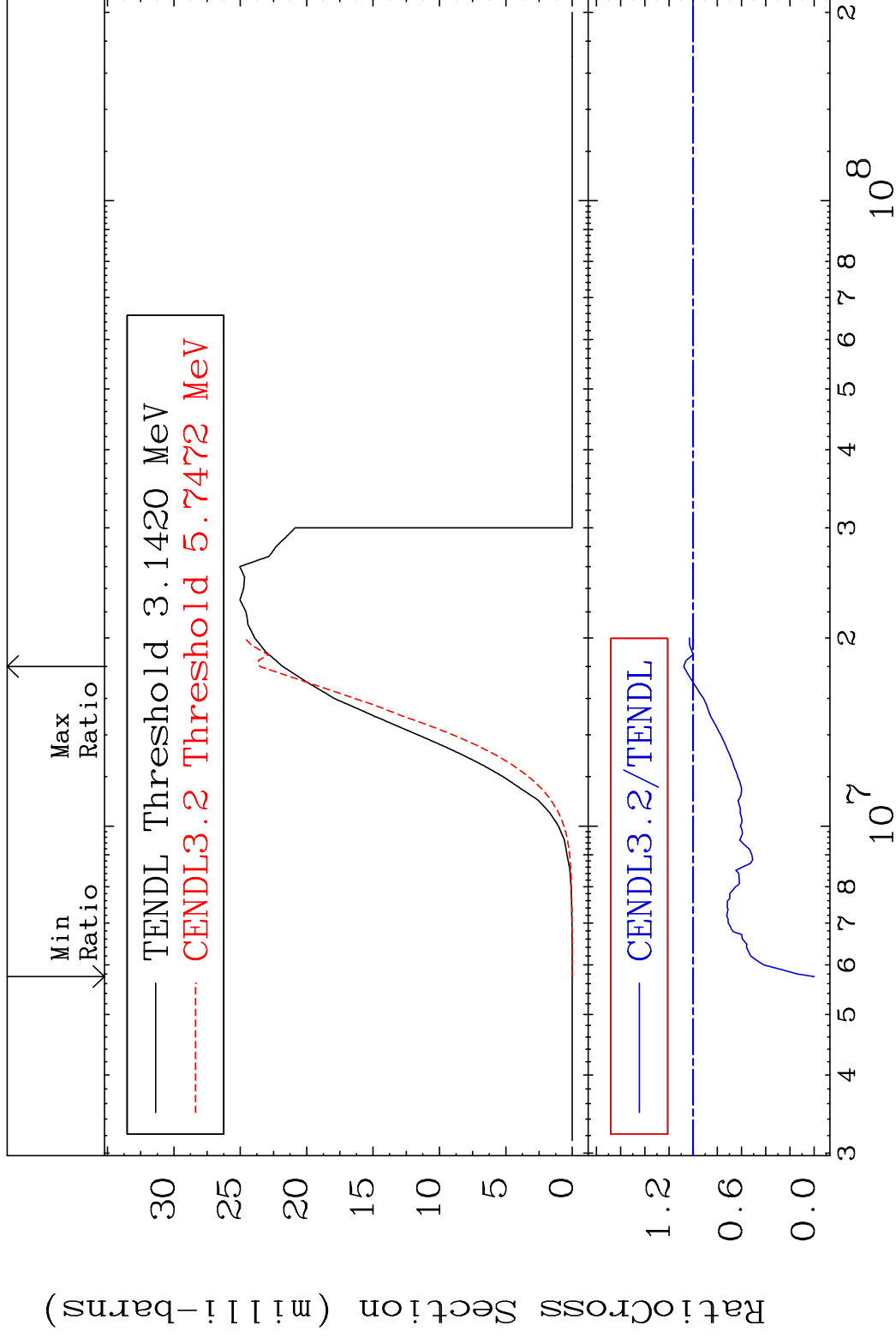
37-Rb-87

MAT 3731

(n, p)

37-Rb-87

Cross Section -100.0 To 7.865 %



17

Incident Energy (eV)

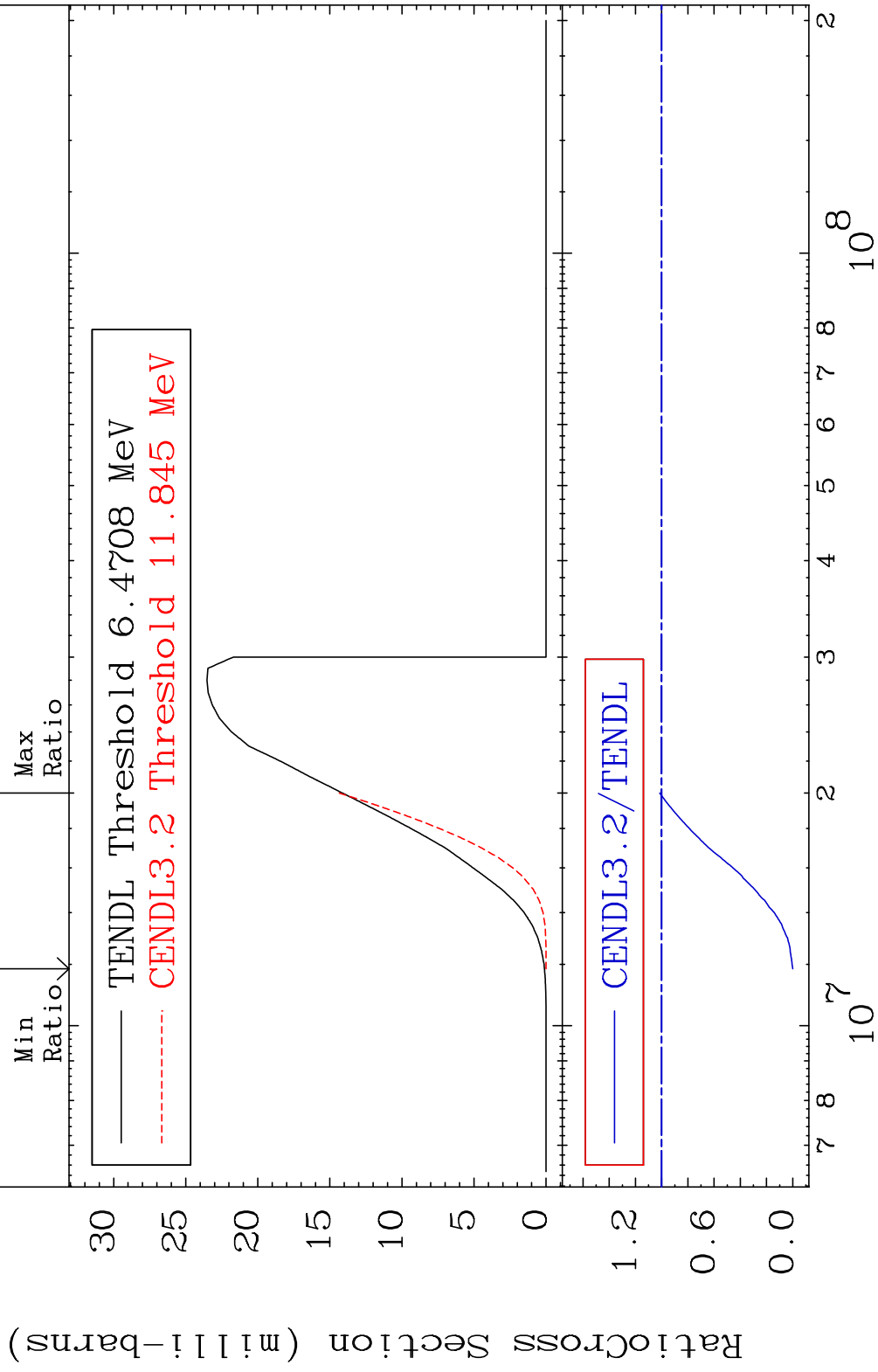
37-Rb-87

MAT 3731

(n, d)

37-Rb-87

Cross Section -100.0 To 1.526 %



18

Incident Energy (eV)

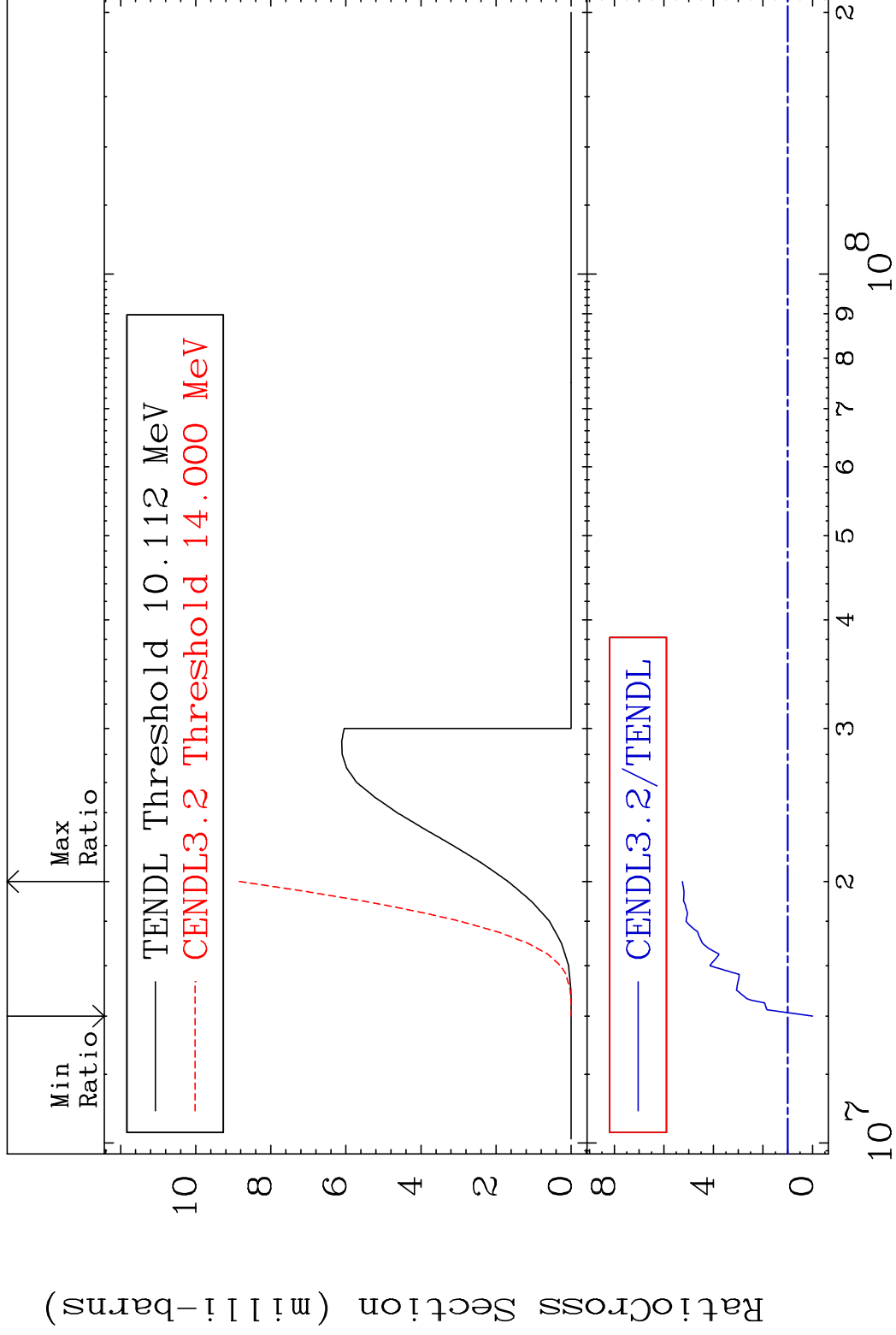
37-Rb-87

MAT 3731

(n, t)

37-Rb-87

Cross Section -100.0 To 425.5 %



19

Incident Energy (eV)

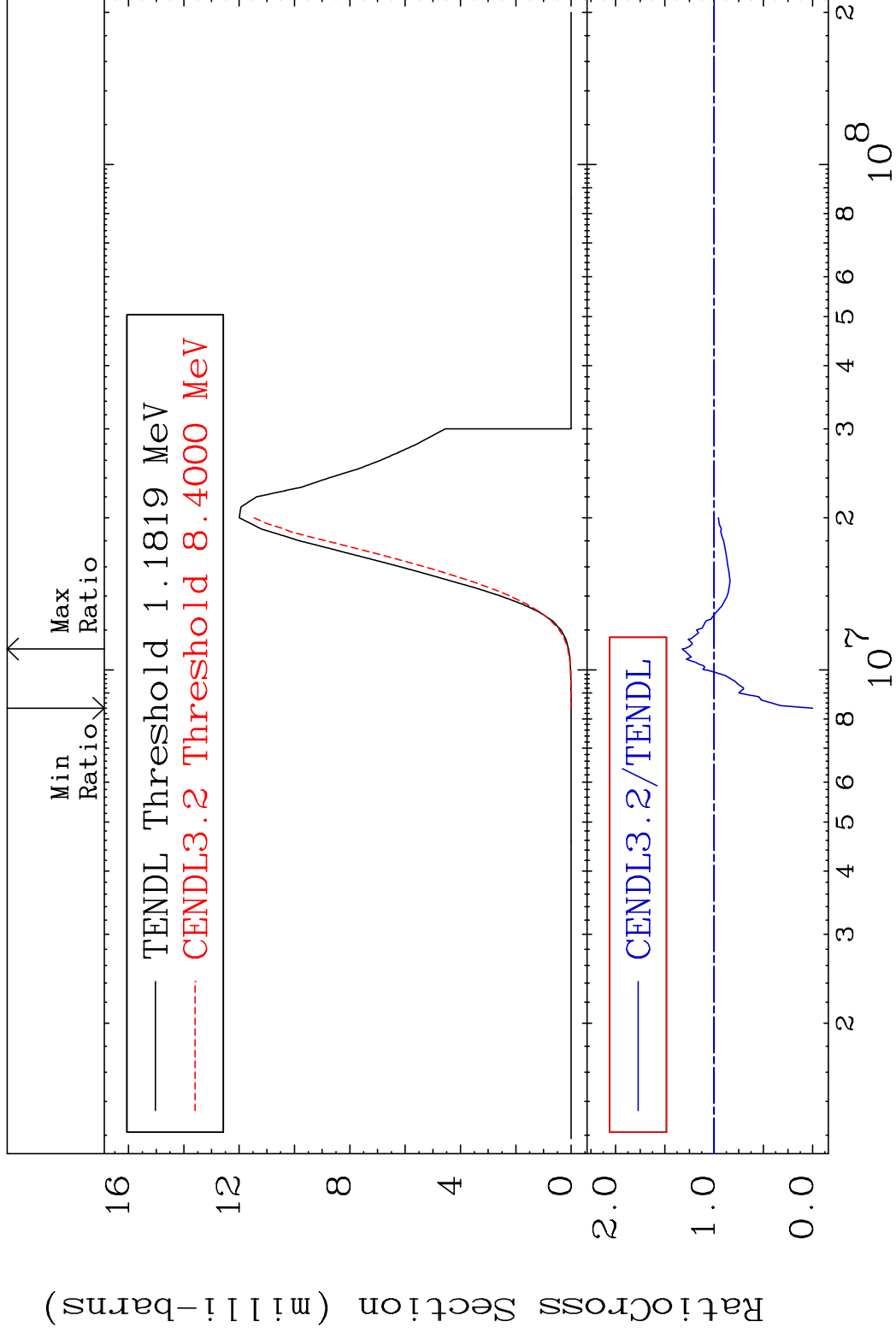
37-Rb-87

MAT 3731

³⁷Rb-87

(n, α)

Cross Section -100.0 To 32.23 %



20

Incident Energy (eV)

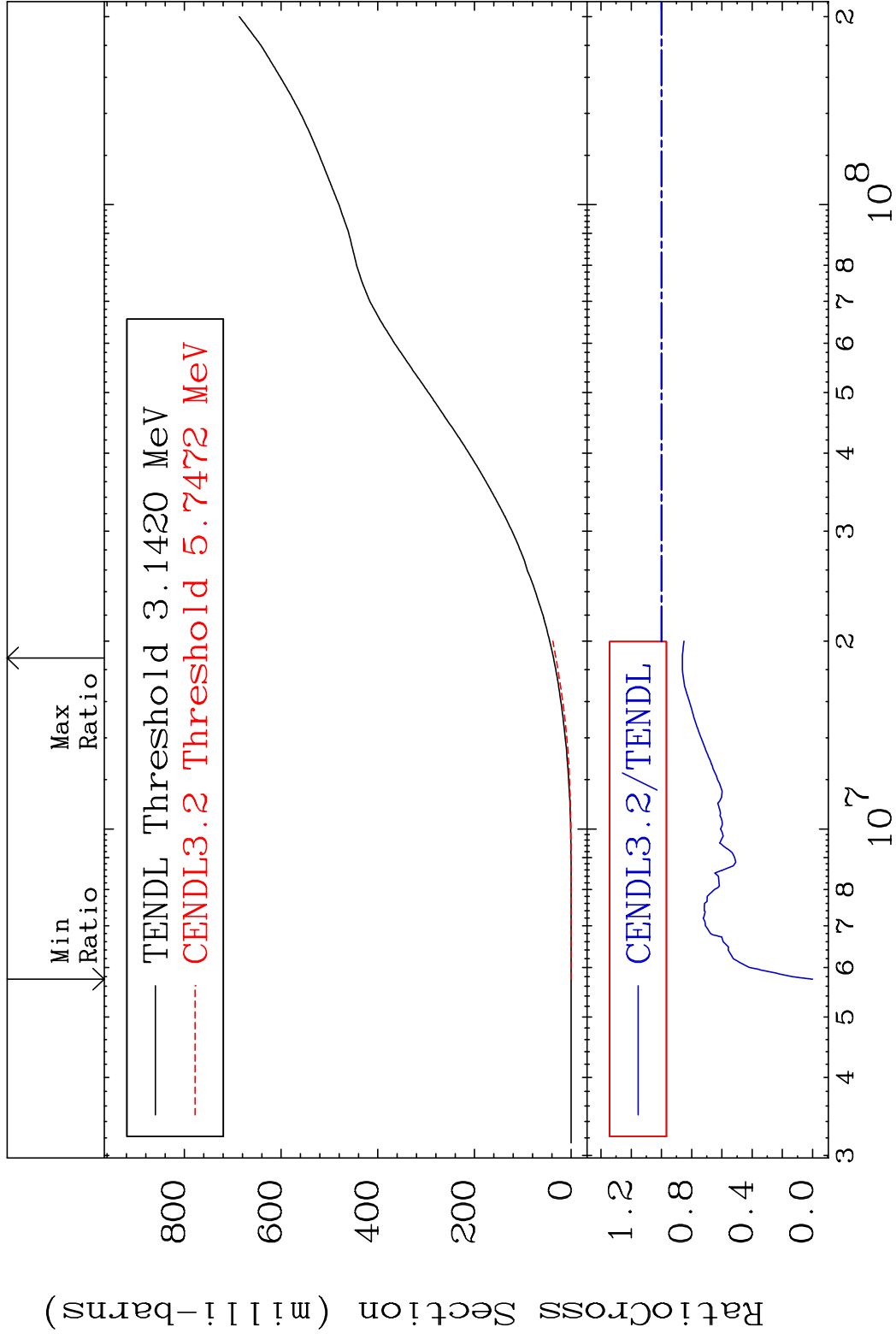
³⁷Rb-87

MAT 3731

Hydrogen Production

³⁷Rb-87

Cross Section -100.0 To -13.83%

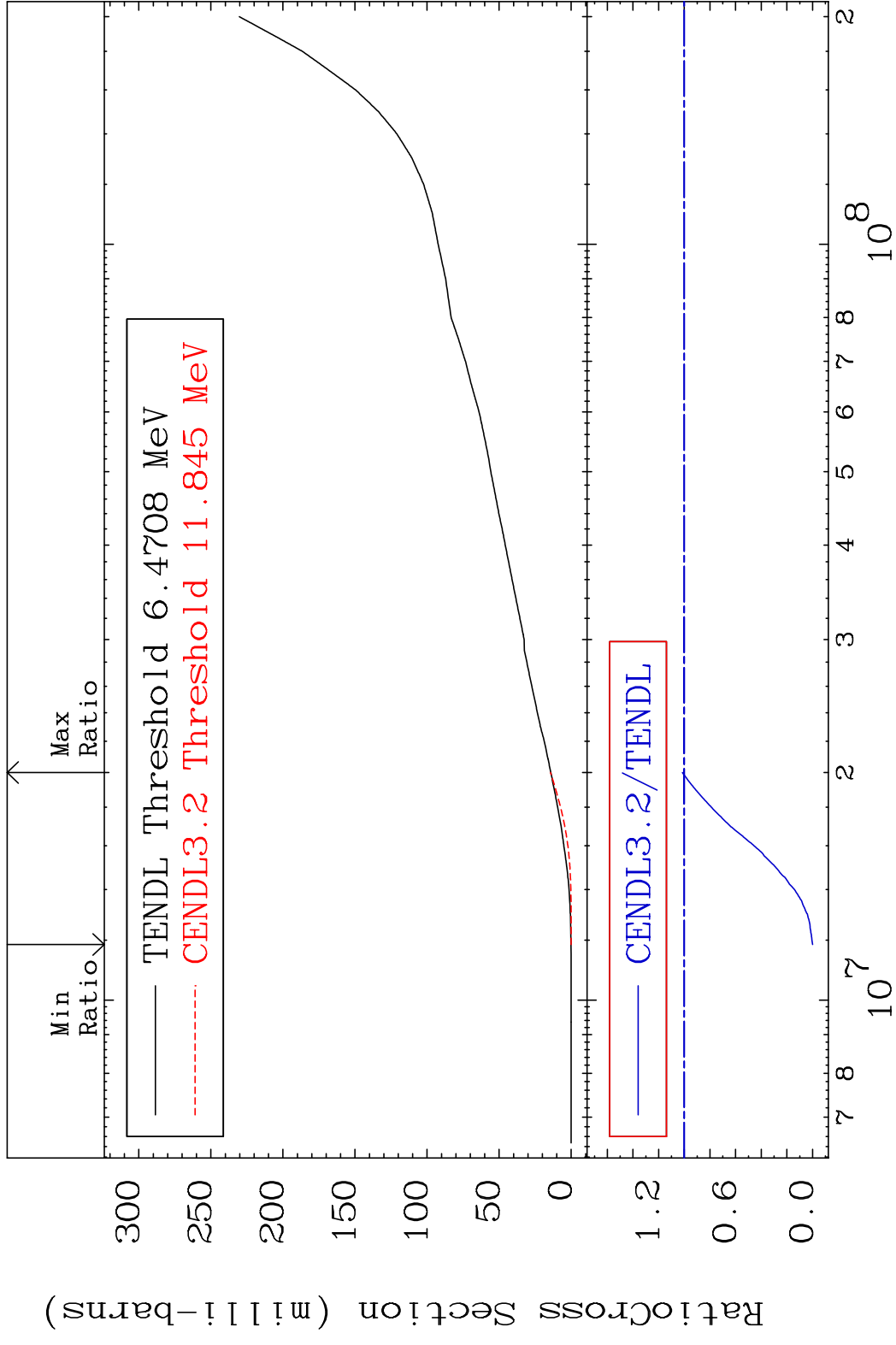


21

Incident Energy (eV)

³⁷Rb-87

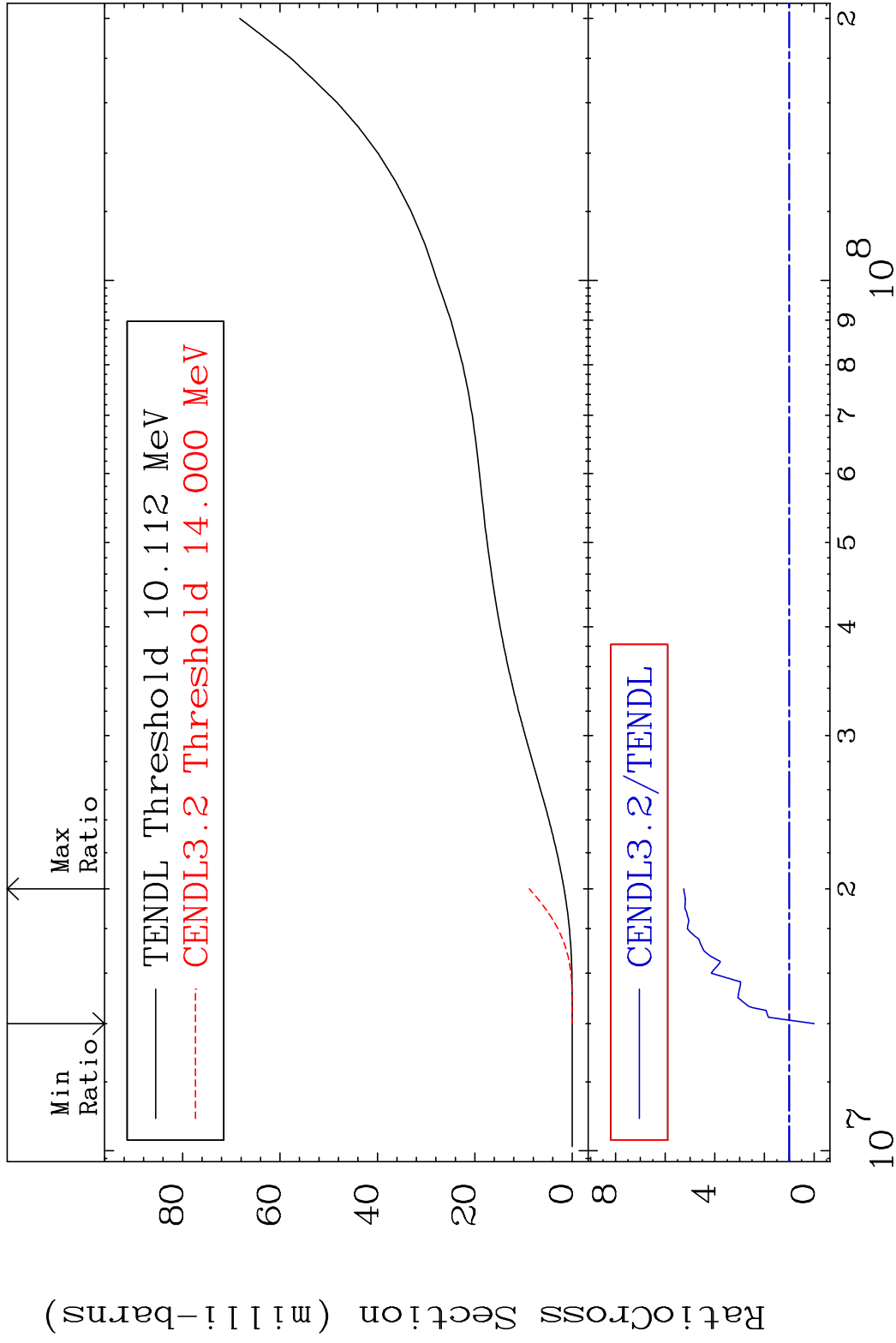
MAT 3731 Deuterium Production 37-Rb-87
 Cross Section -100.0 To 1.506 %



MAT 3731

Tritium Production 37-Rb-87

Cross Section -100.0 To 425.5 %



23

Incident Energy (eV)

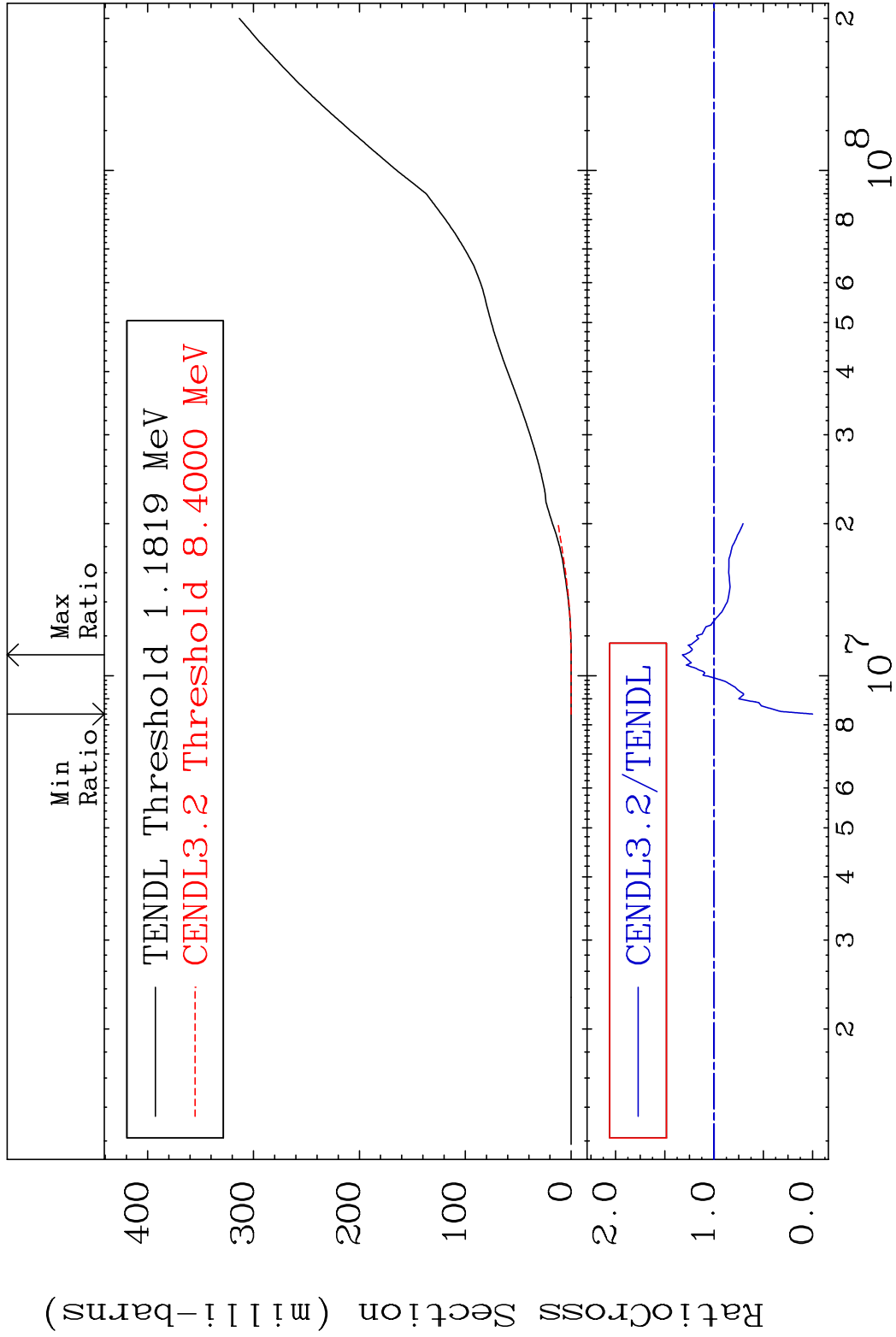
37-Rb-87

MAT 3731

He-4 Production

37-Rb-87

Cross Section -100.0 To 32.23 %

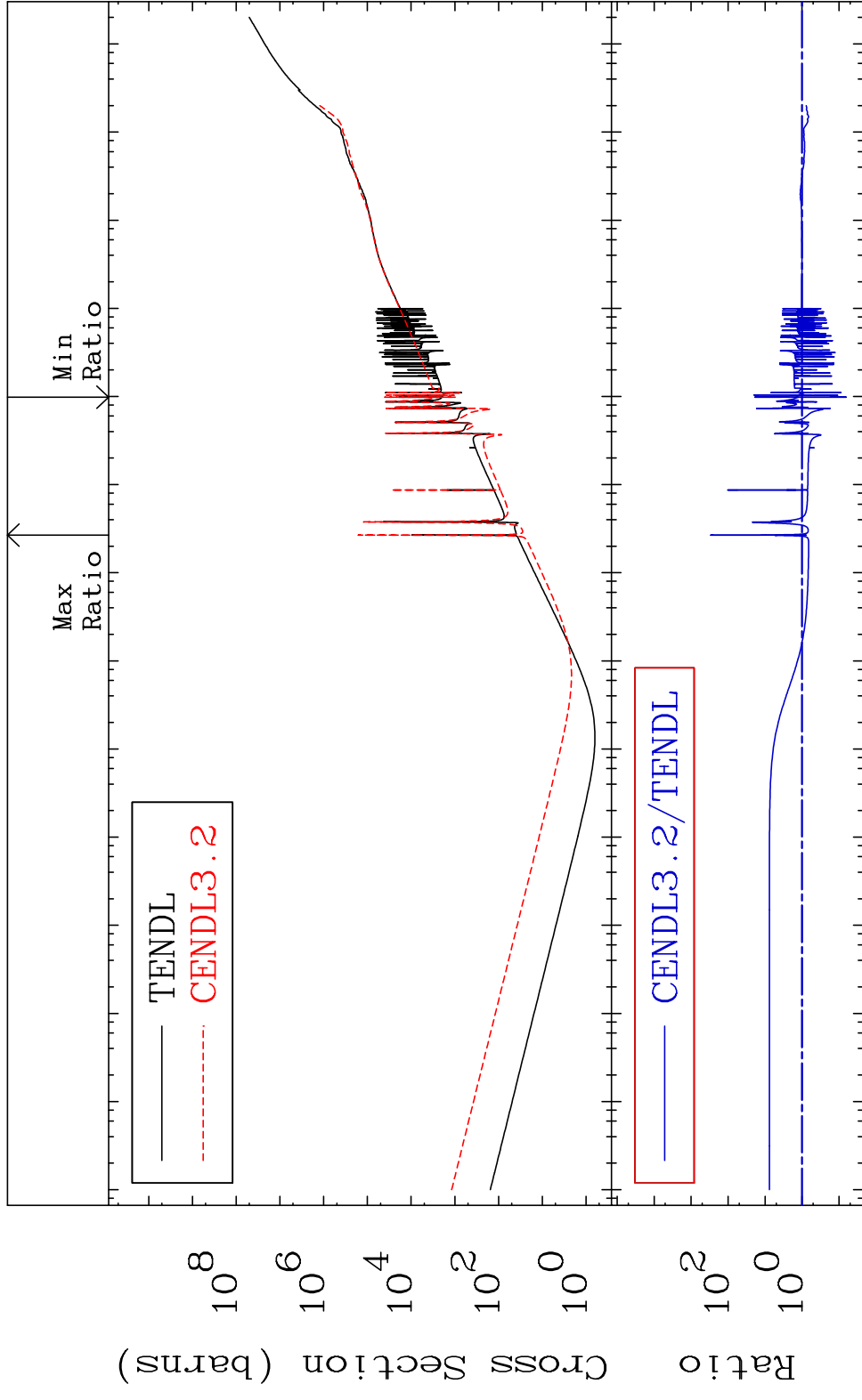


24

Incident Energy (eV)

37-Rb-87

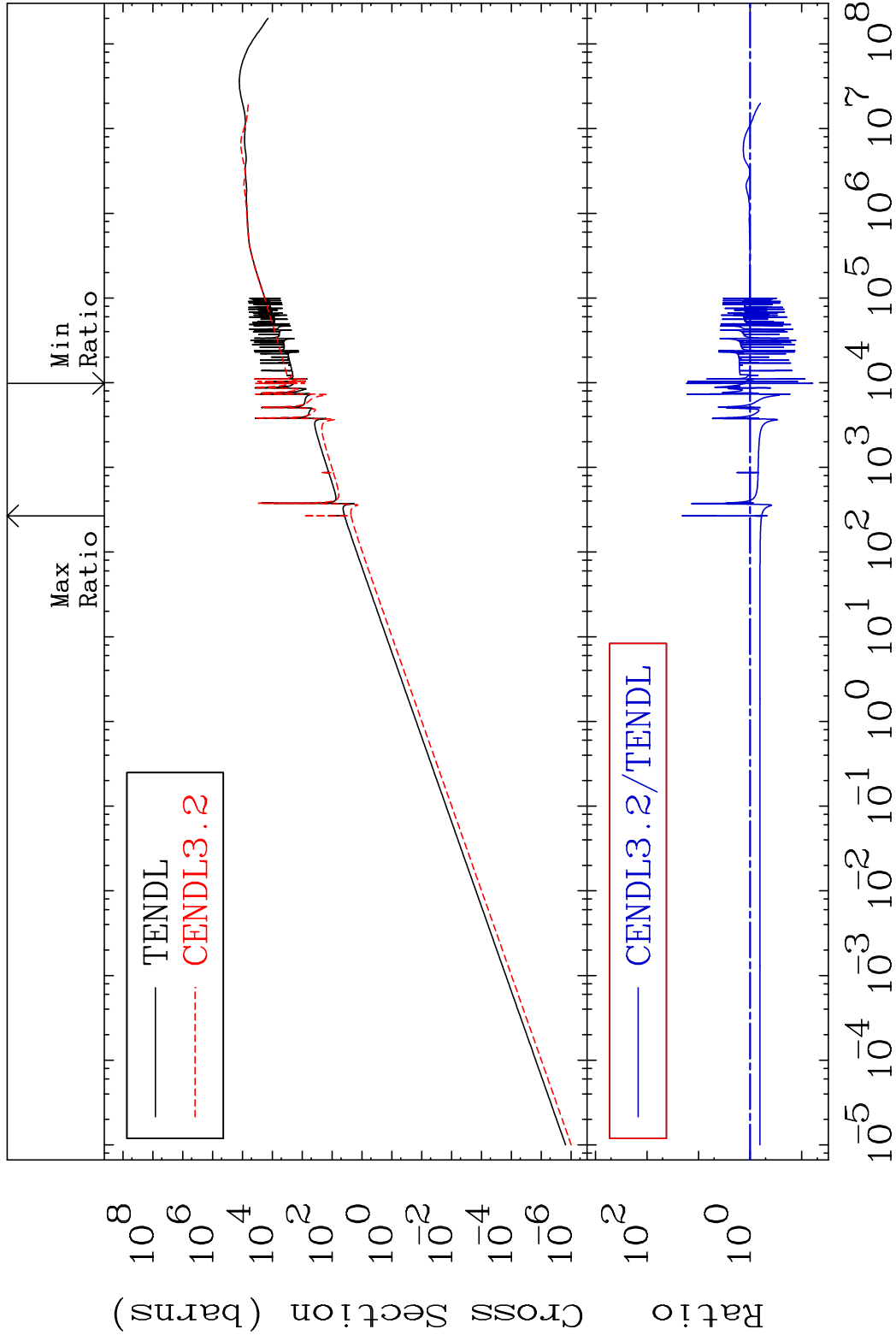
MAT 3731 Kerma total (eV-barns) 37-Rb-87
 Cross Section -93.64 To 9999. %



MAT 3731

Kerma elastic
Cross Section

37-Rb-87
-93.82 To 1974. %

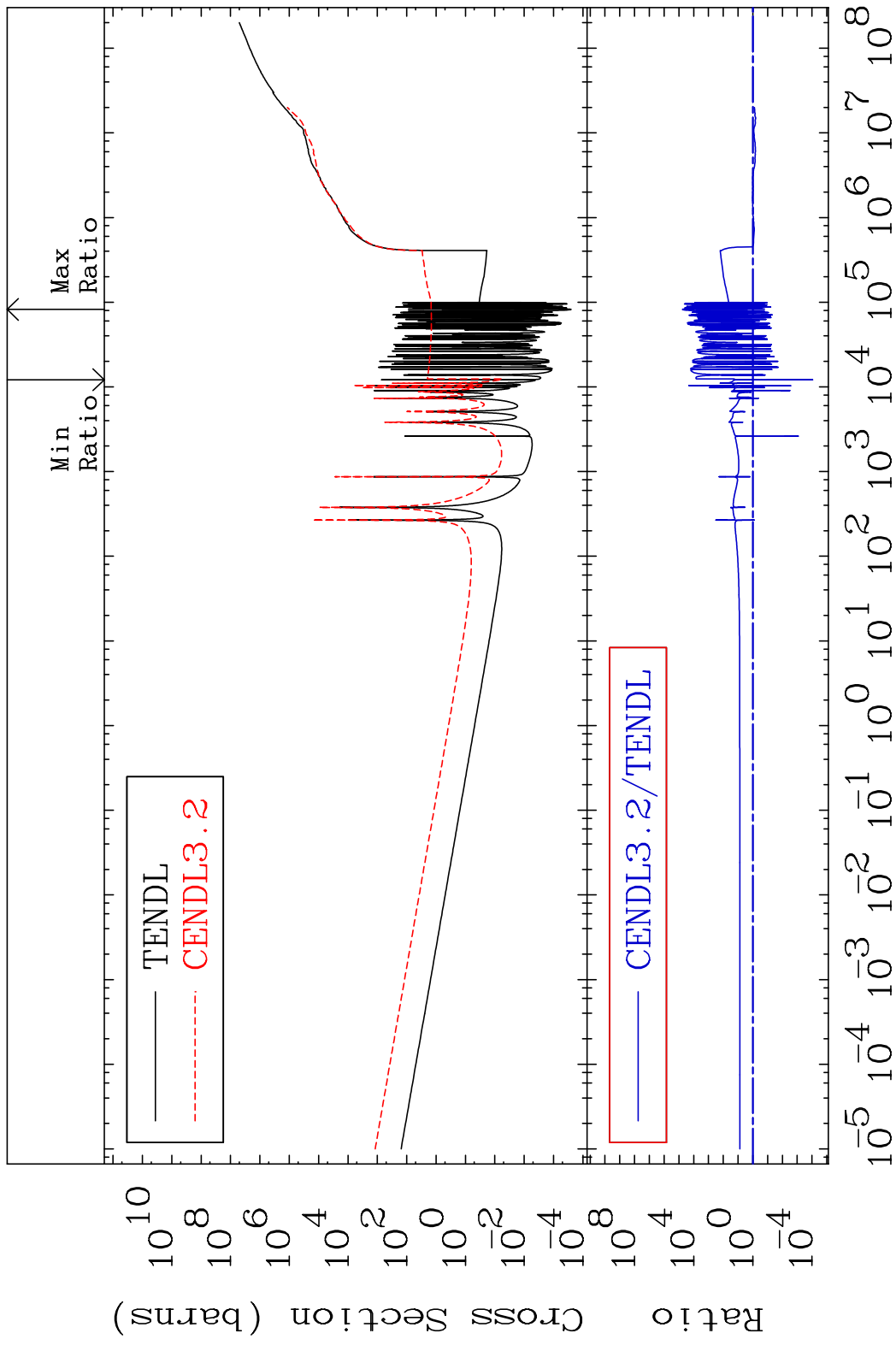


26

Incident Energy (eV)

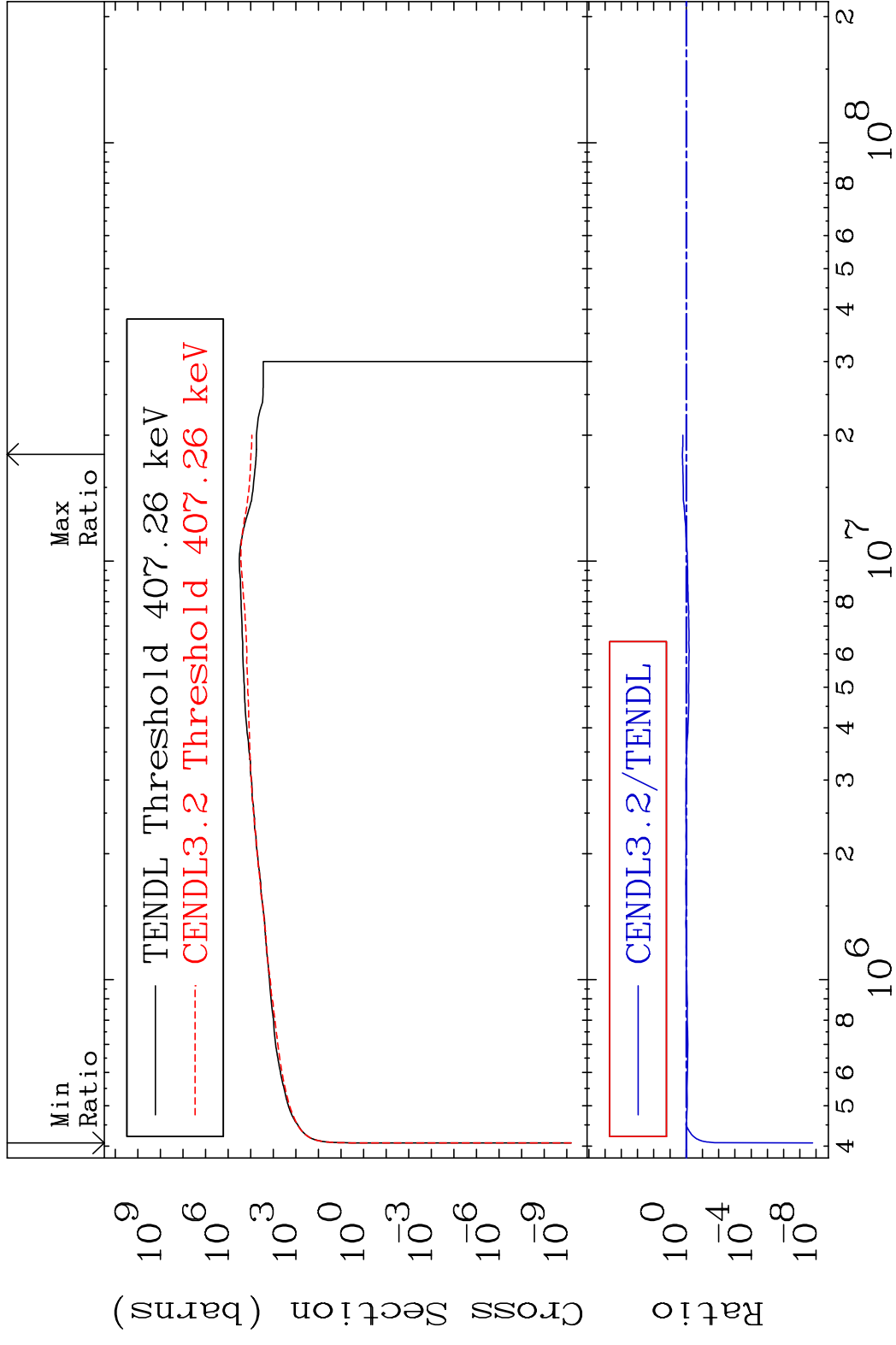
37-Rb-87

MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -99.99 To 9999. %

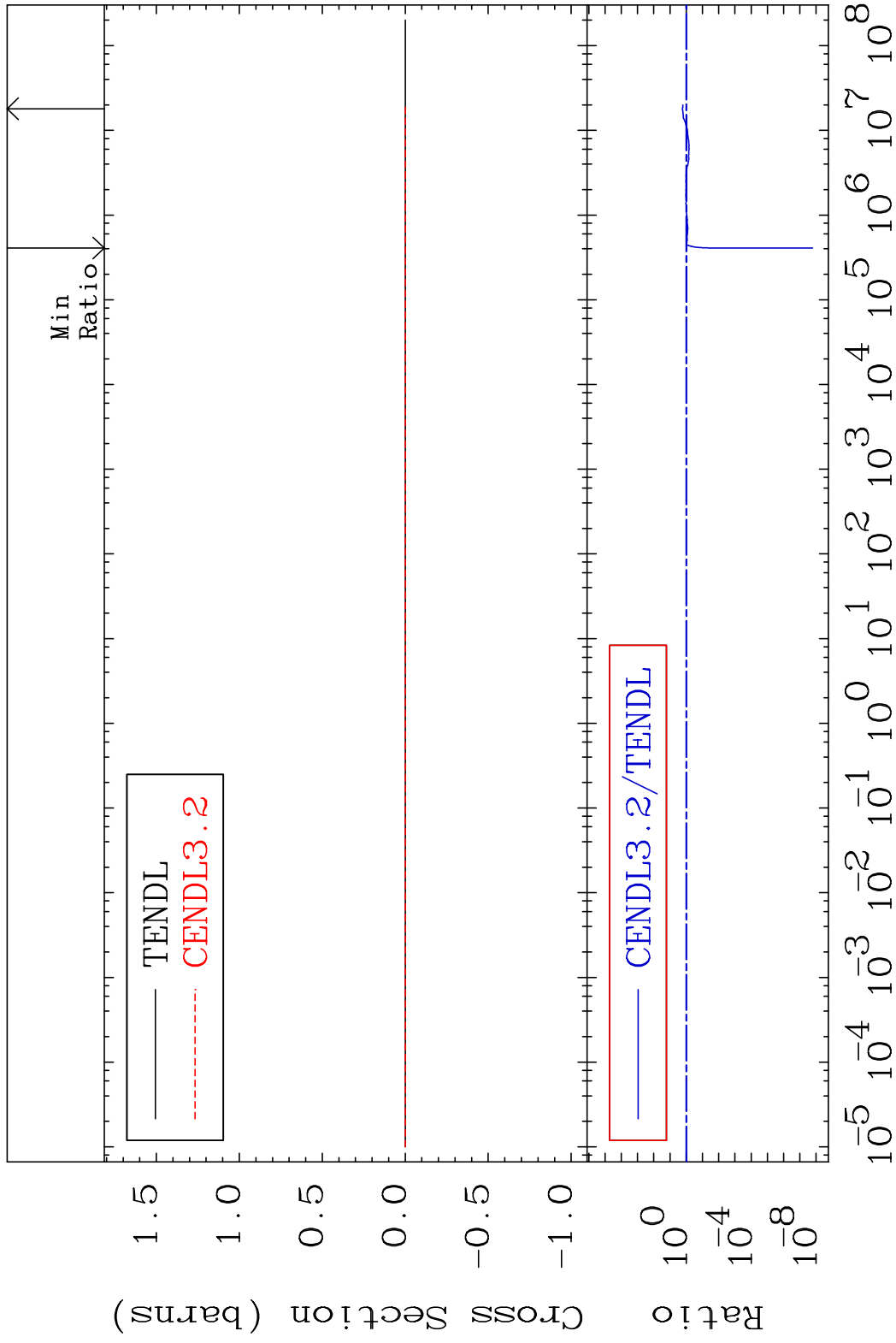


27 Incident Energy (eV) 37-Rb-87

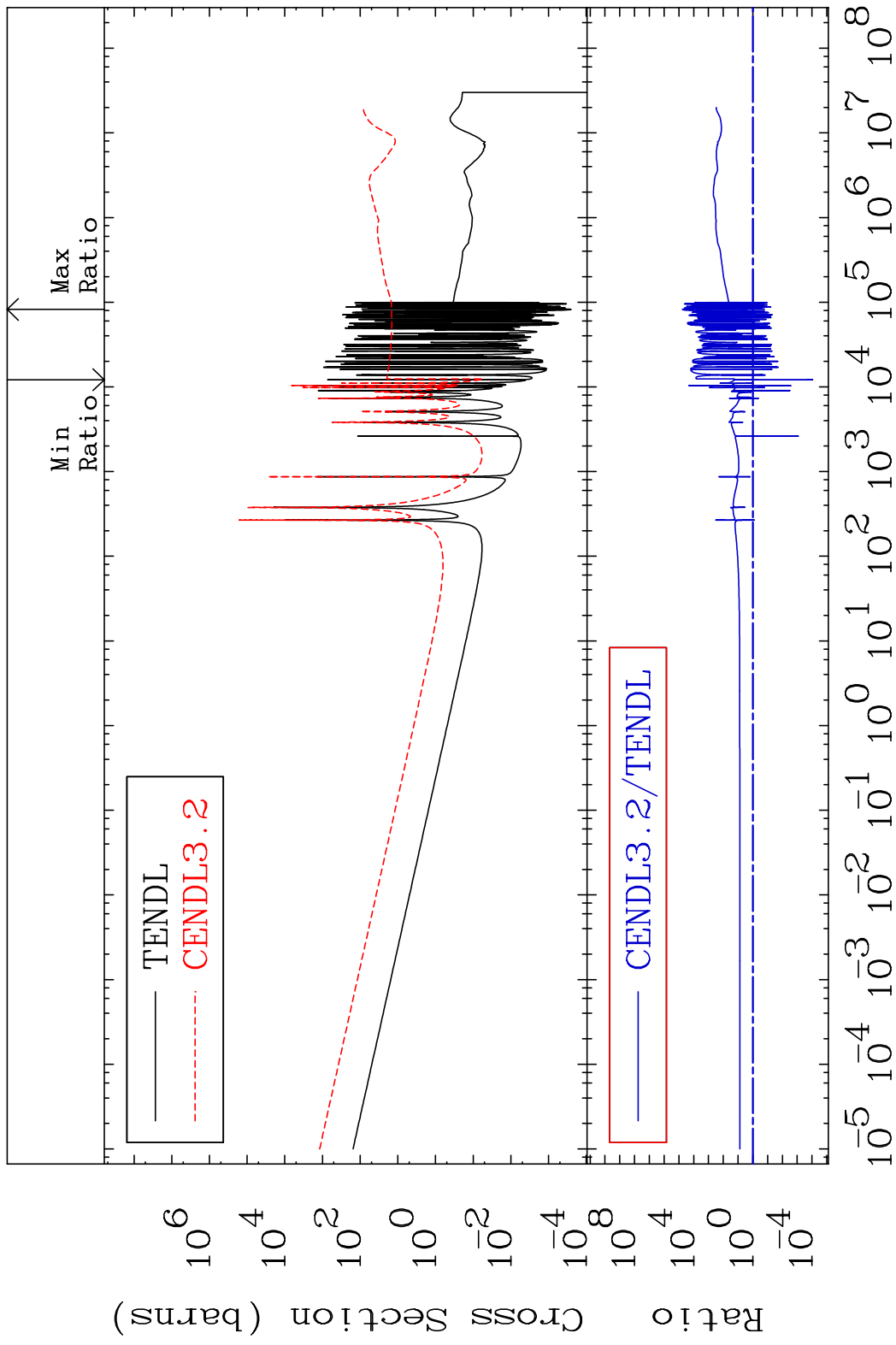
MAT 3731 Kerma inelastic (mt51-91) 37-Rb-87
 Cross Section -100.0 To 72.67 %



MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
 Cross Section -100.0 To 72.67 %

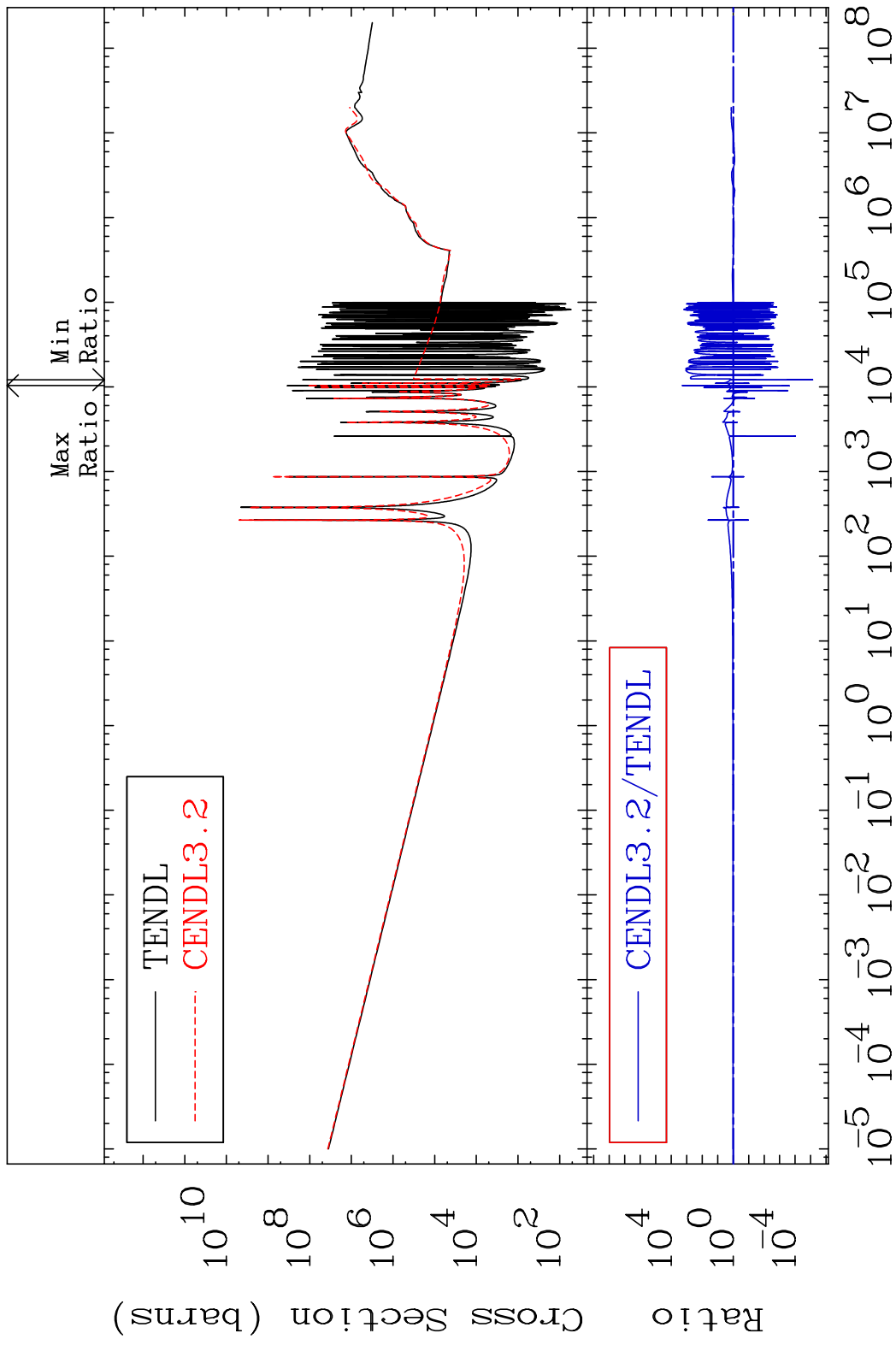


MAT 3731 Kerma capture (mt102) 37-Rb-87
 Cross Section -99.99 To 9999. %



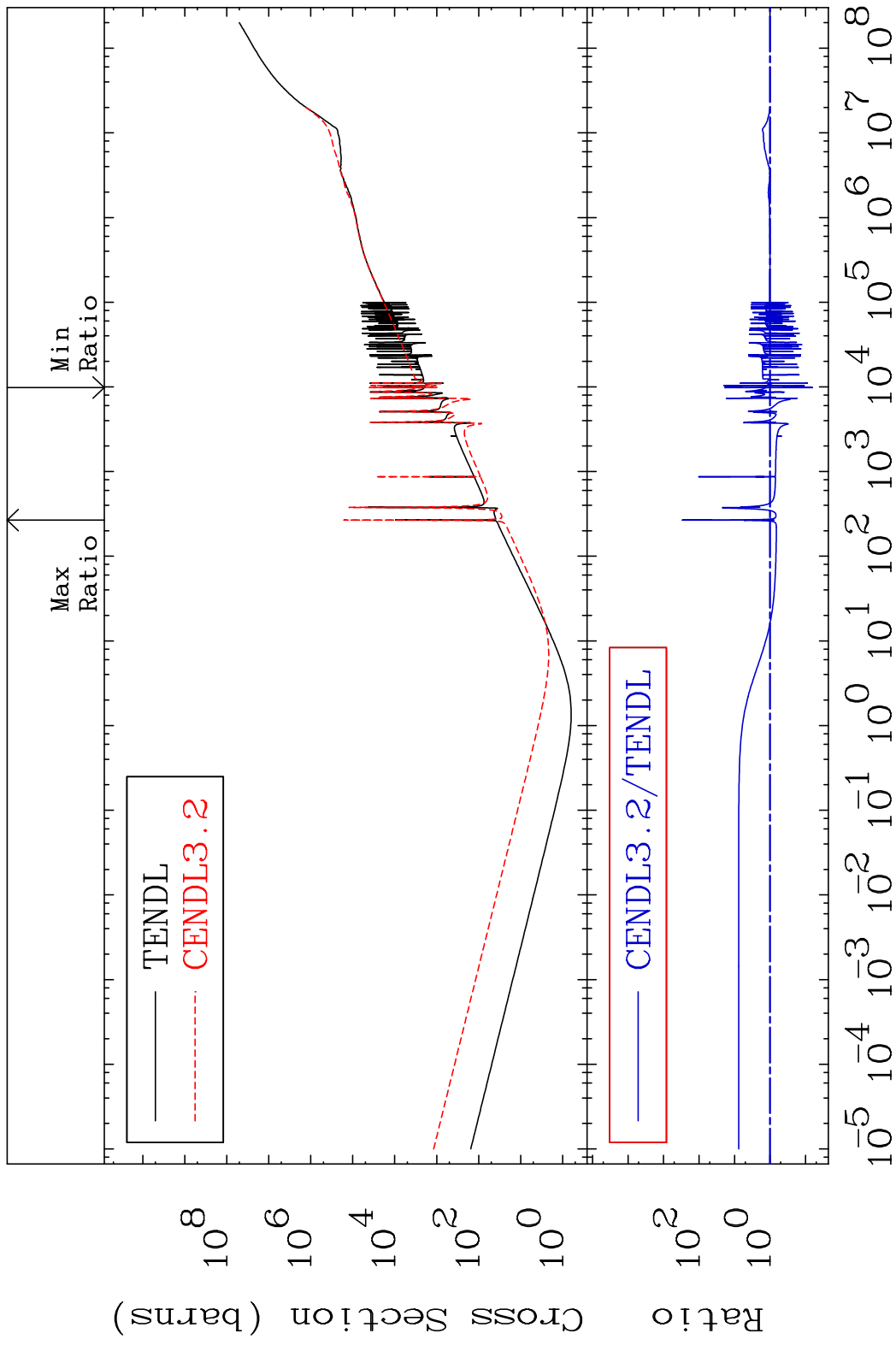
30 Incident Energy (eV) 37-Rb-87

MAT 3731 Total photon (eV-barns) 37-Rb-87
 Cross Section -100.0 To 9999. %

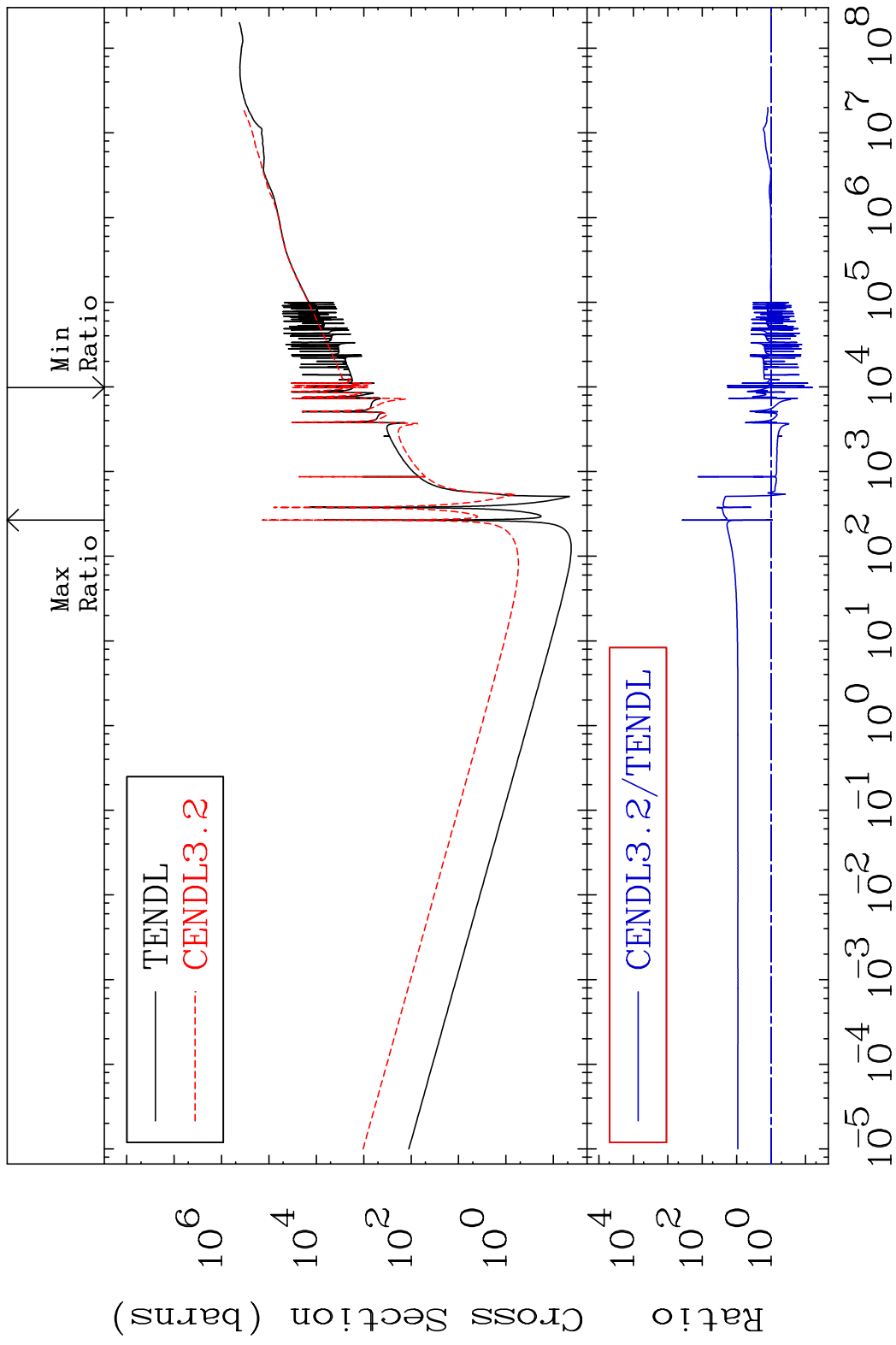


31 Incident Energy (eV) 37-Rb-87

MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
 Cross Section -93.64 To 9999. %



MAT 3731 Dpa total (eV-barns) 37-Rb-87
 Cross Section -93.72 To 9999. %



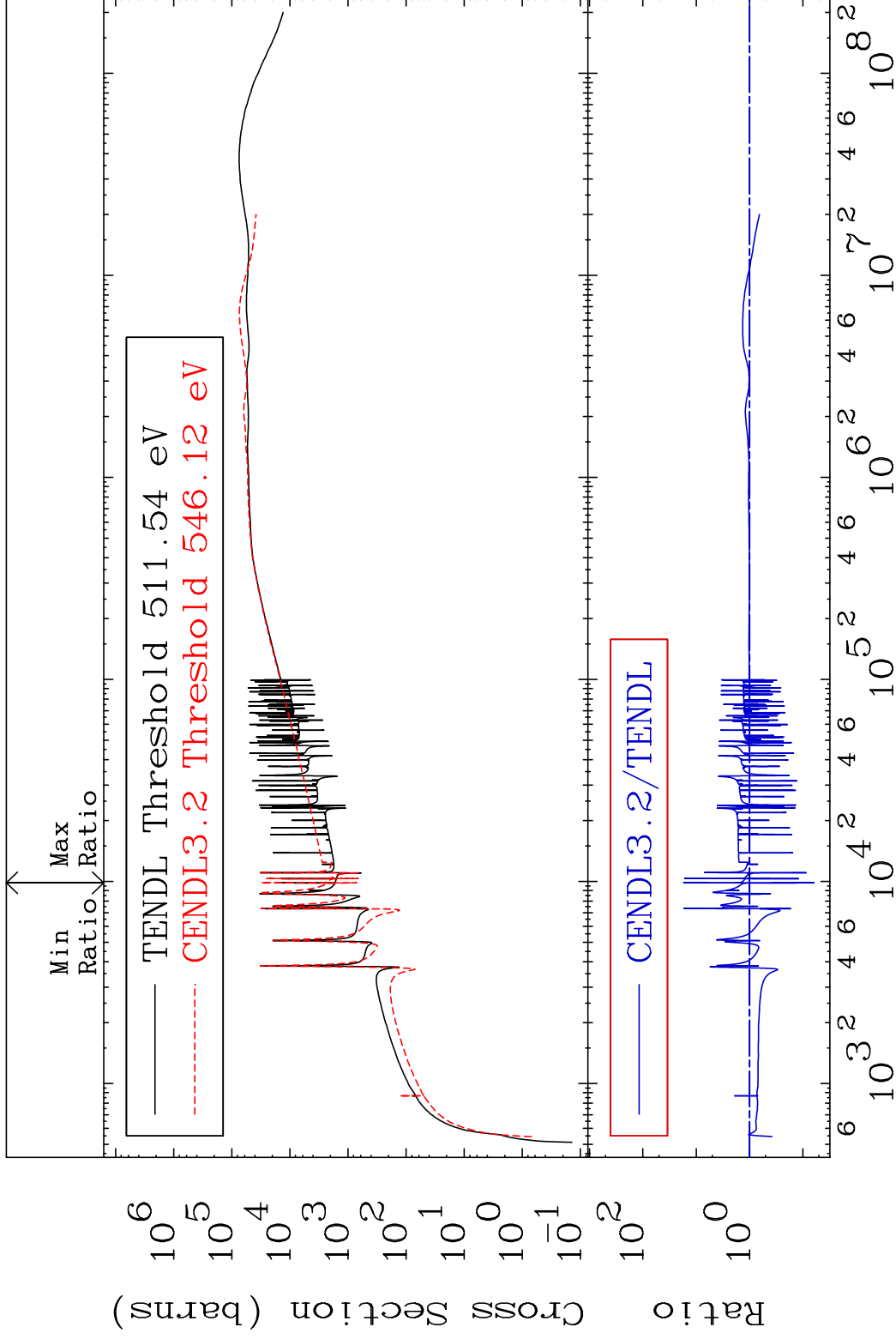
33 Incident Energy (eV) 37-Rb-87

MAT 3731

Dpa elastic (mt2)

37-Rb-87

Cross Section -93.82 To 1633. %

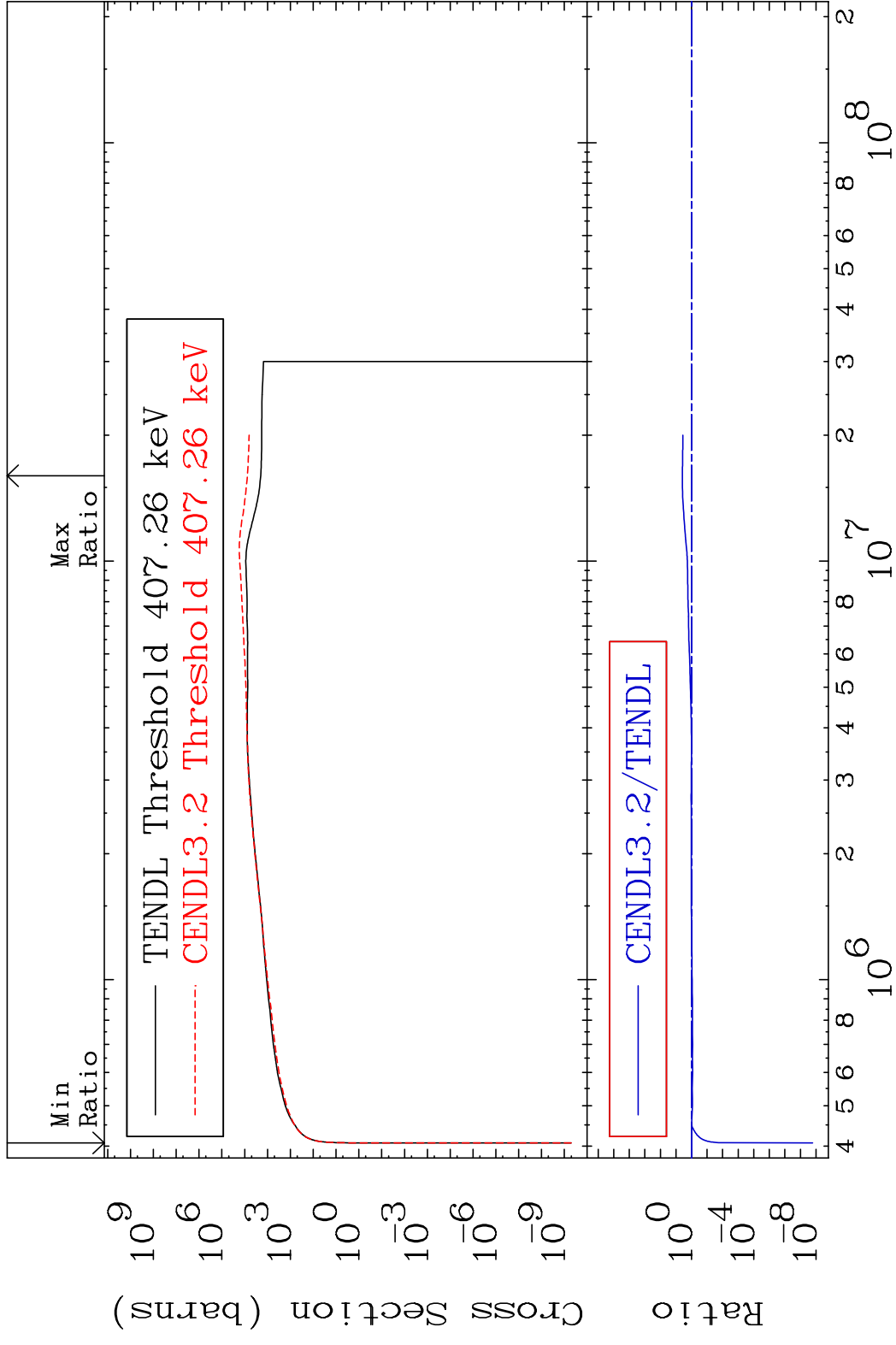


34

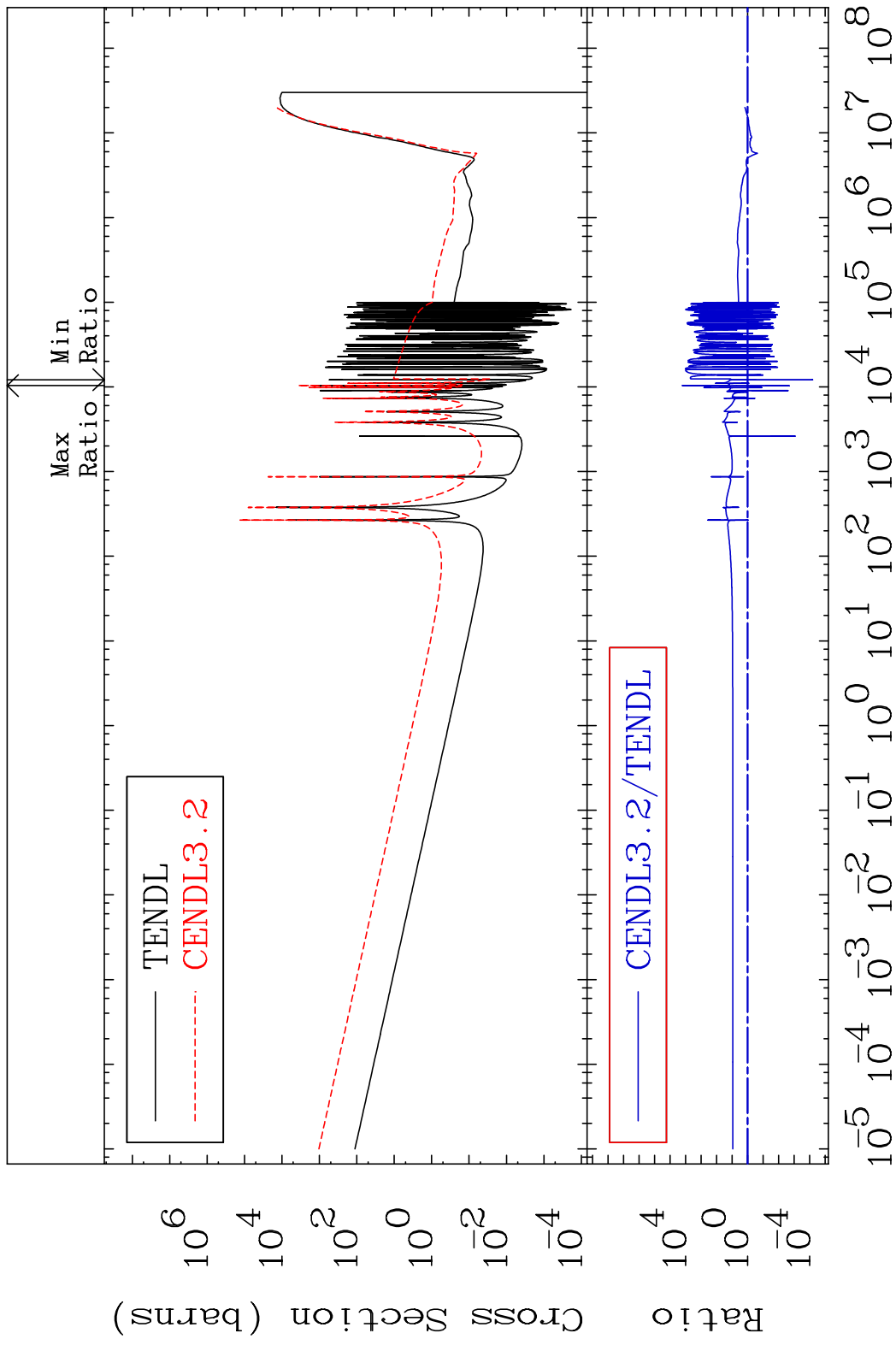
Incident Energy (eV)

37-Rb-87

MAT 3731 Dpa inelastic (mt51-91) 37-Rb-87
 Cross Section -100.0 To 287.7 %



MAT 3731 Dpa disappearance (mt102 -120) 37-Rb-87
 Cross Section -99.99 To 9999. %



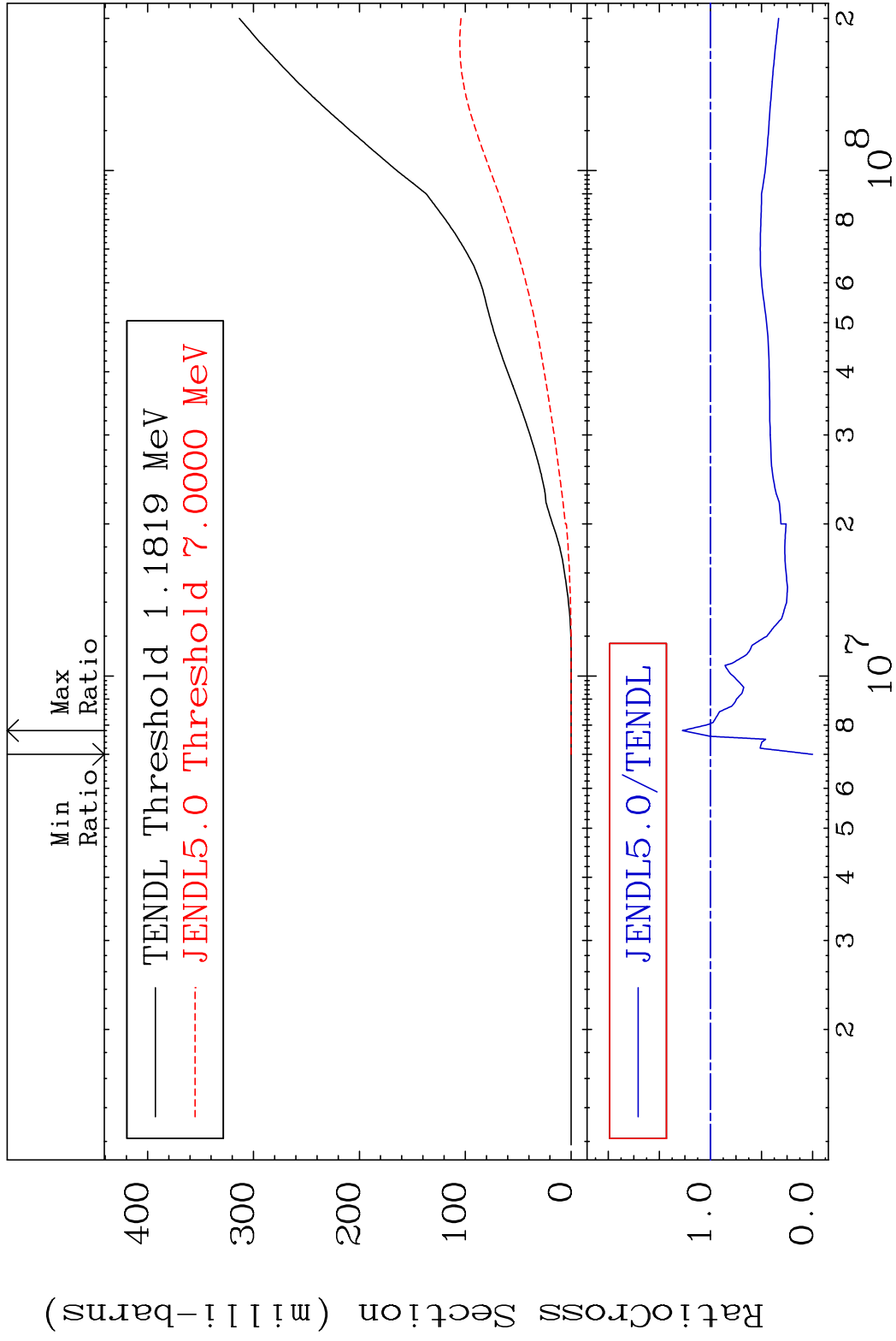
36 Incident Energy (eV) 37-Rb-87

MAT 3731

He-4 Production

37-Rb-87

Cross Section -100.0 To 27.44 %

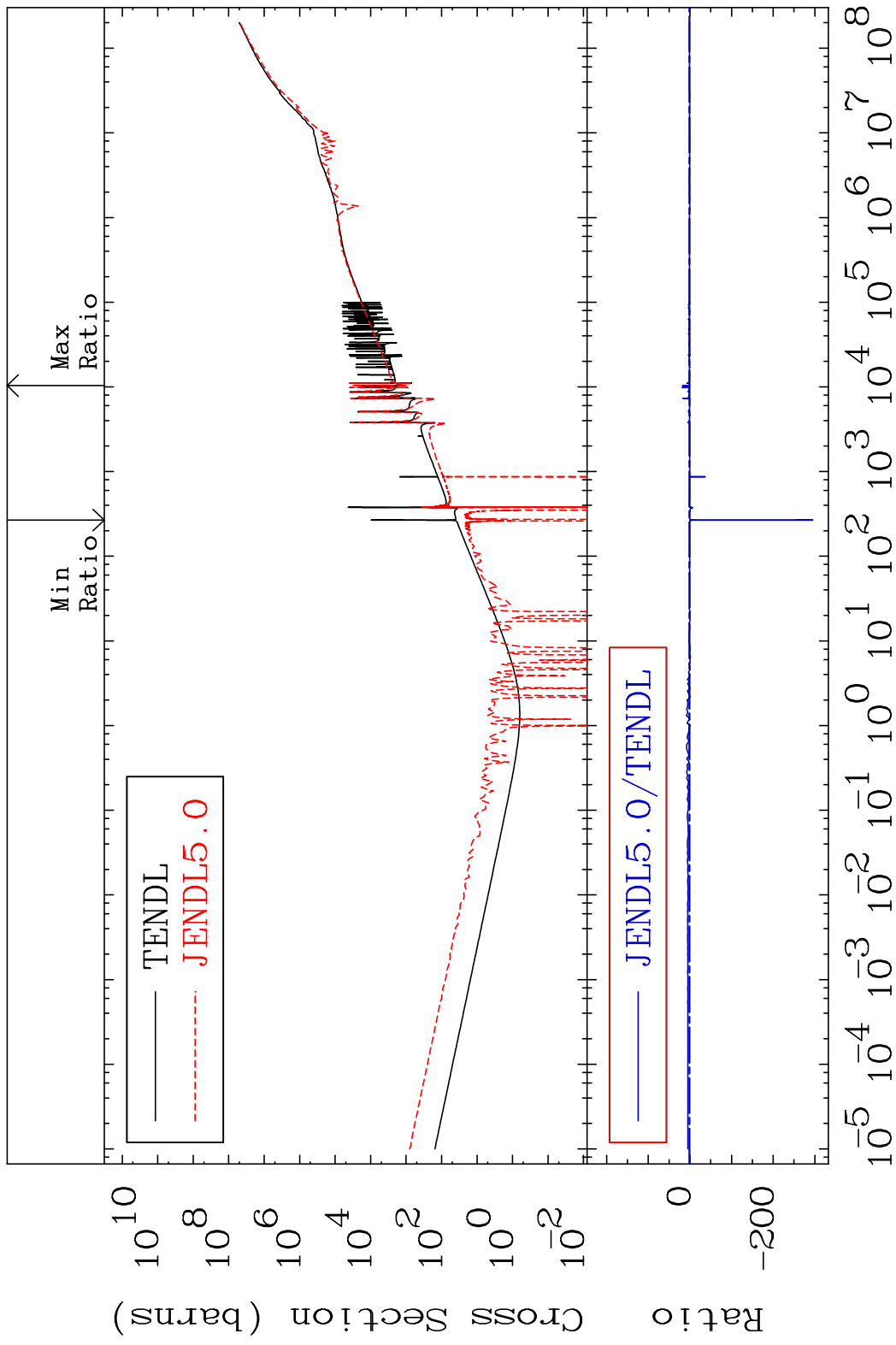


37

Incident Energy (eV)

37-Rb-87

MAT 3731 Kerma total (eV-barns) 37-Rb-87
 Cross Section -9999. To 1717. %

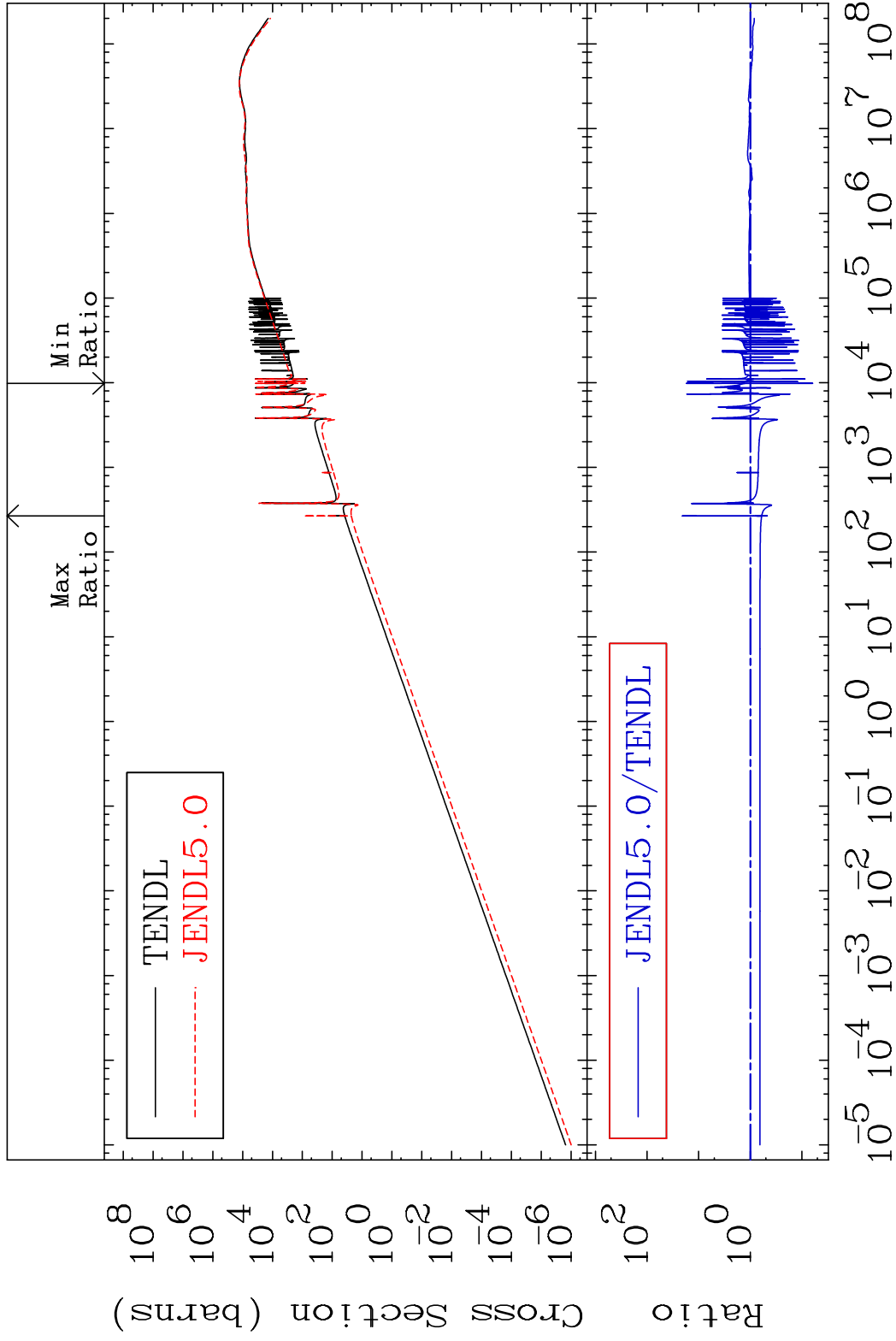


38 Incident Energy (eV) 37-Rb-87

MAT 3731

Kerma elastic
Cross Section

37-Rb-87
-93.80 To 1974. %

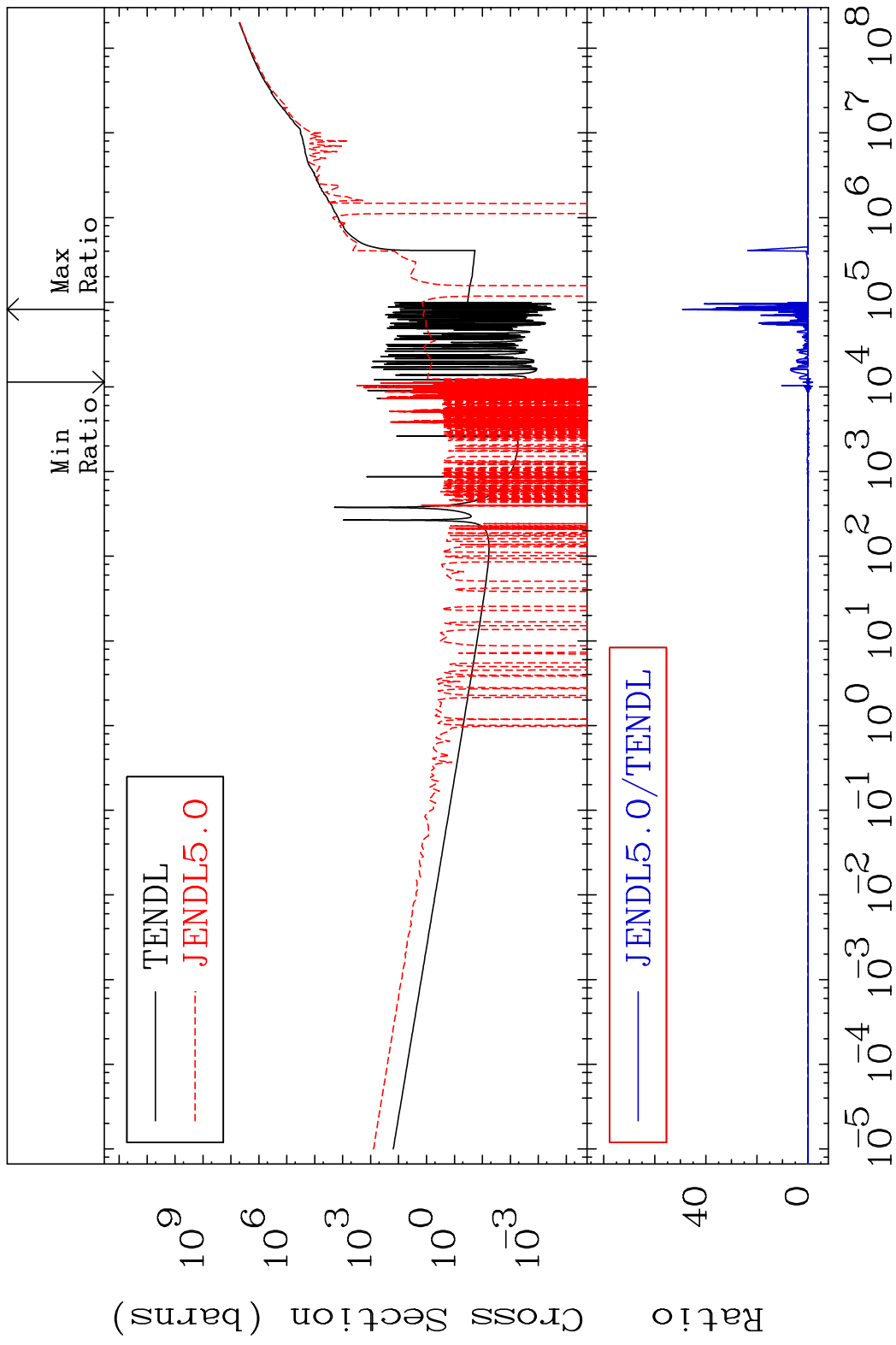


39

Incident Energy (eV)

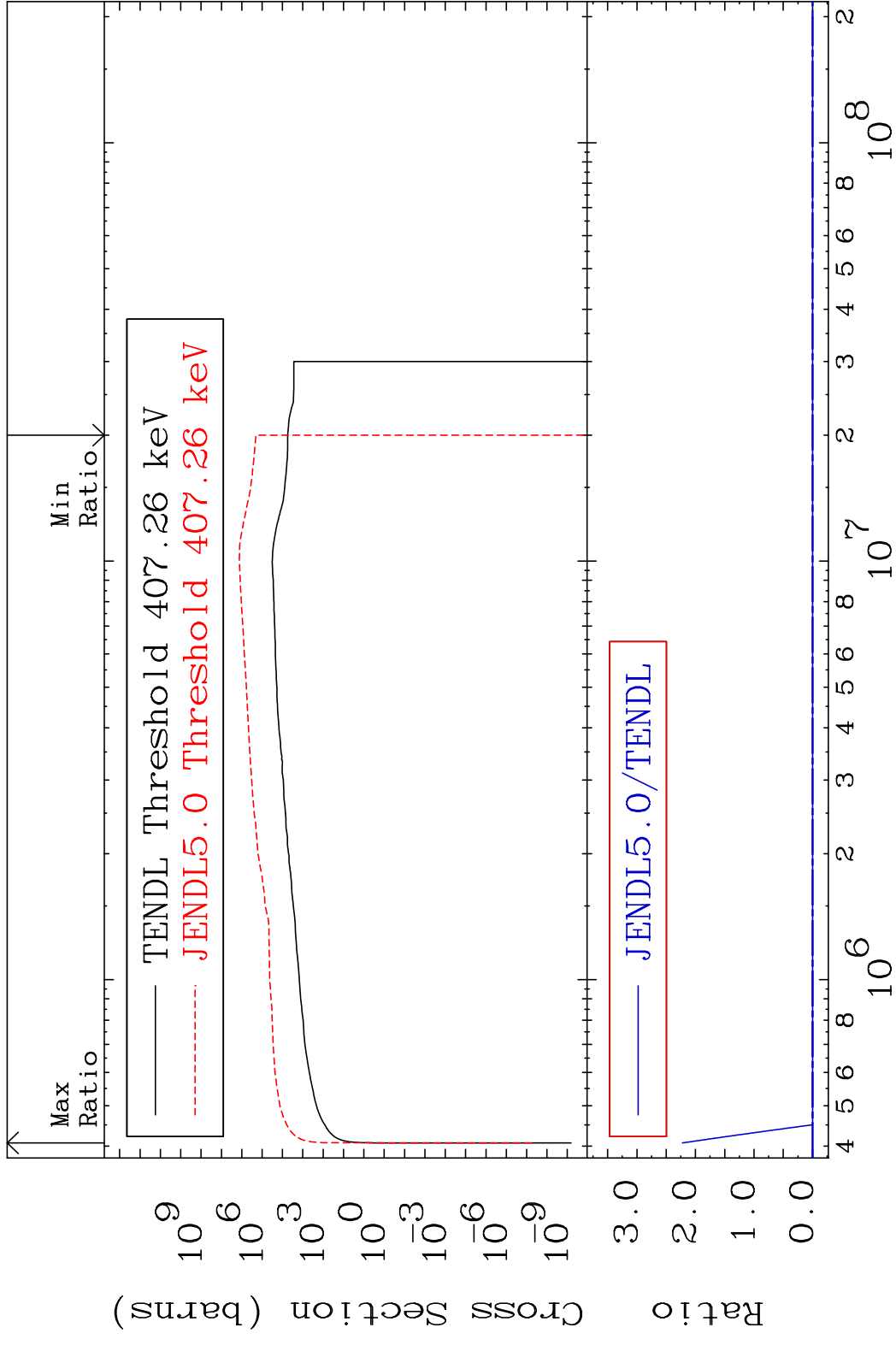
37-Rb-87

MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -9999. To 9999. %

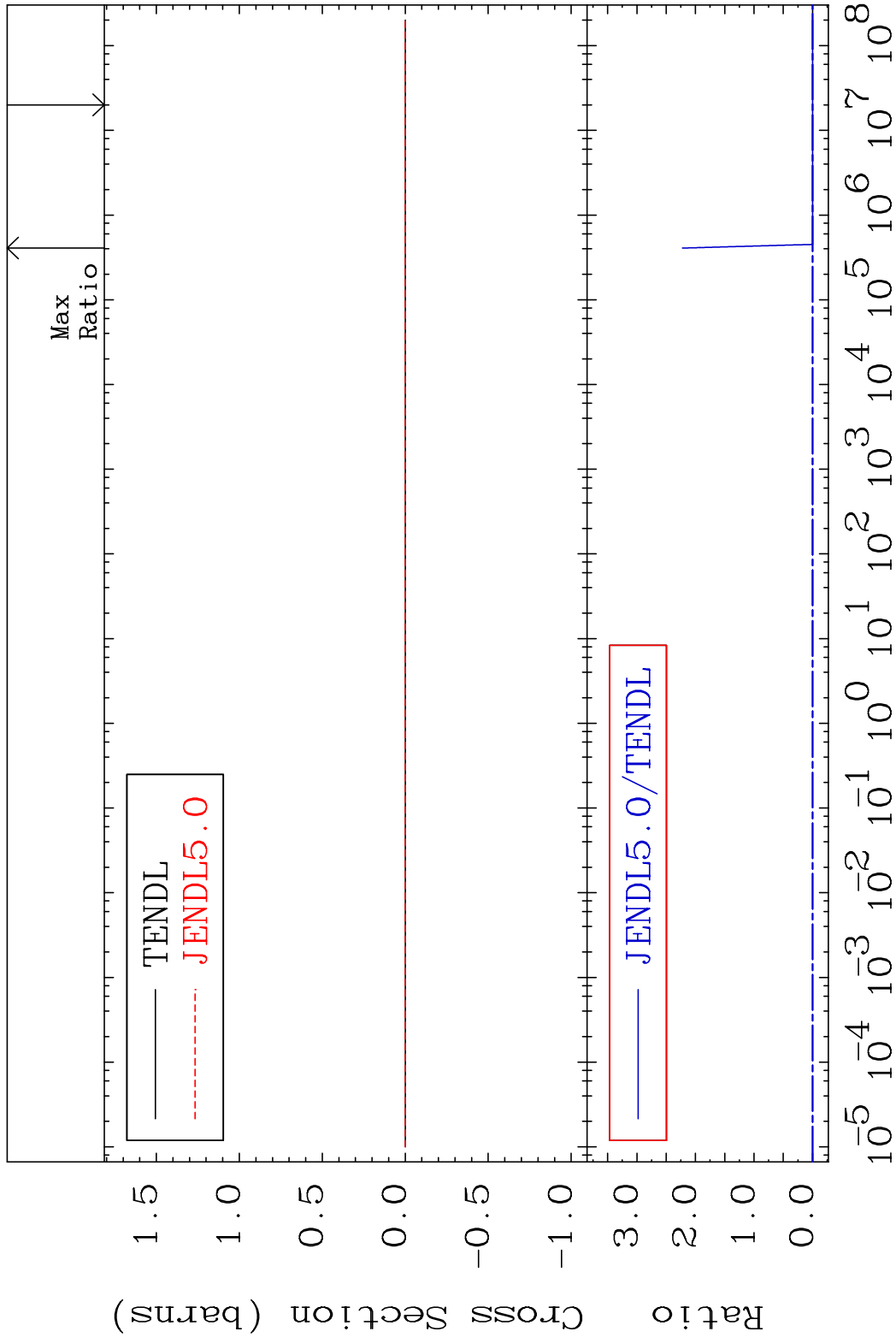


40 Incident Energy (eV) 37-Rb-87

MAT 3731 Kerma inelastic (mt51-91) 37-Rb-87
 Cross Section -100.0 To 9999. %



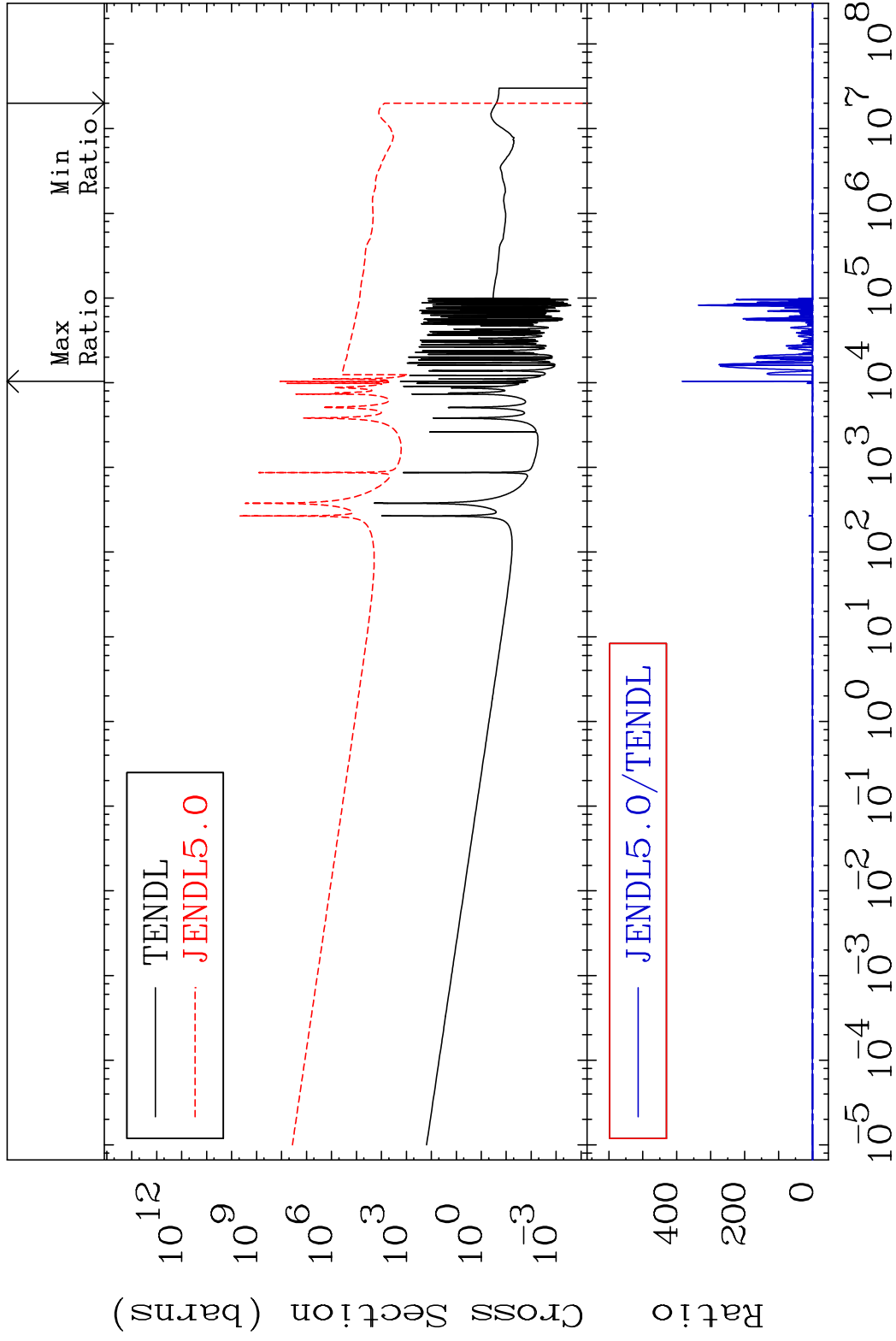
MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
 Cross Section -100.0 To 9999. %



MAT 3731

Kerma capture (mt102) 37-Rb-87

Cross Section -100.0 To 9999. %

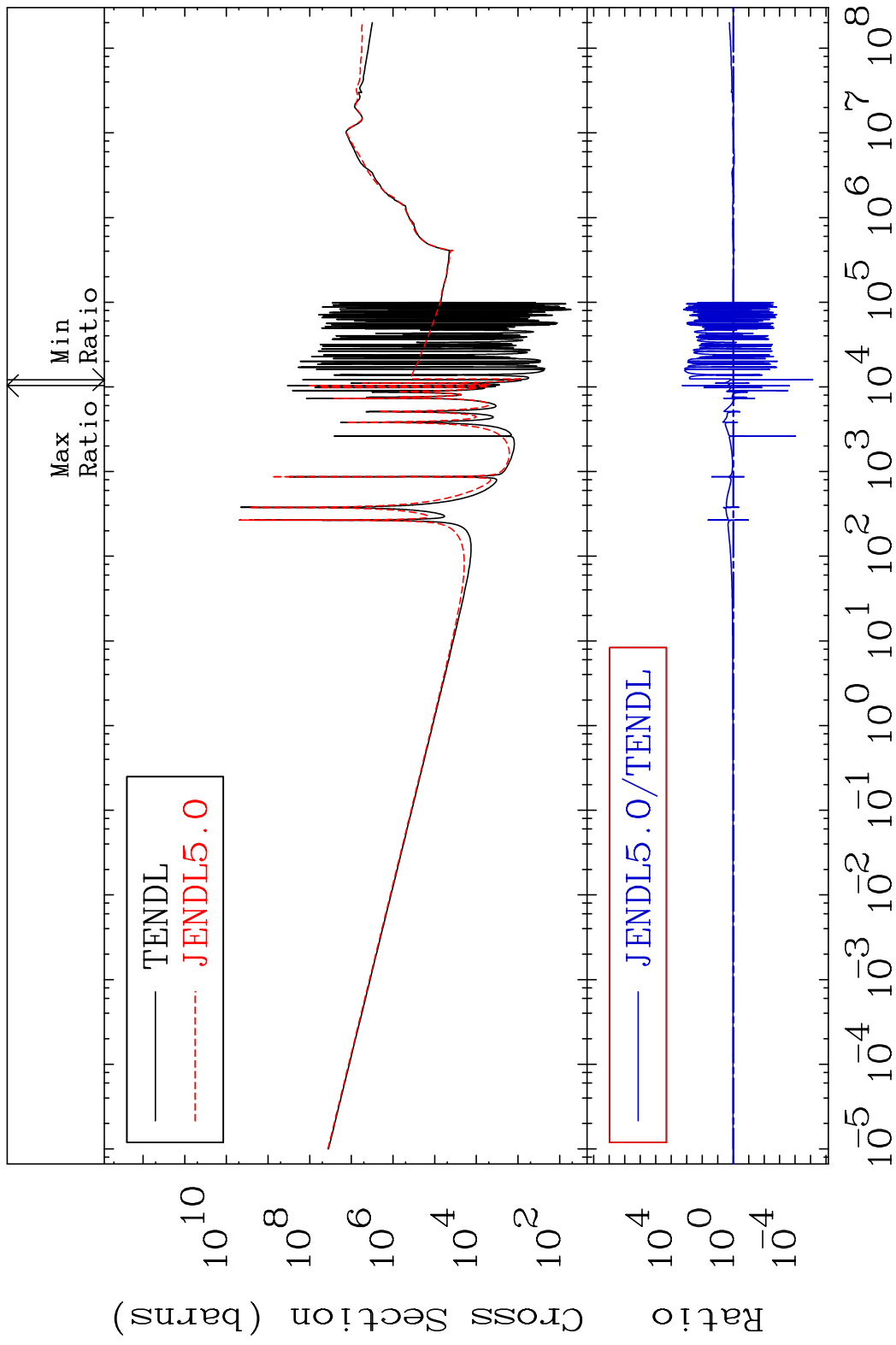


43

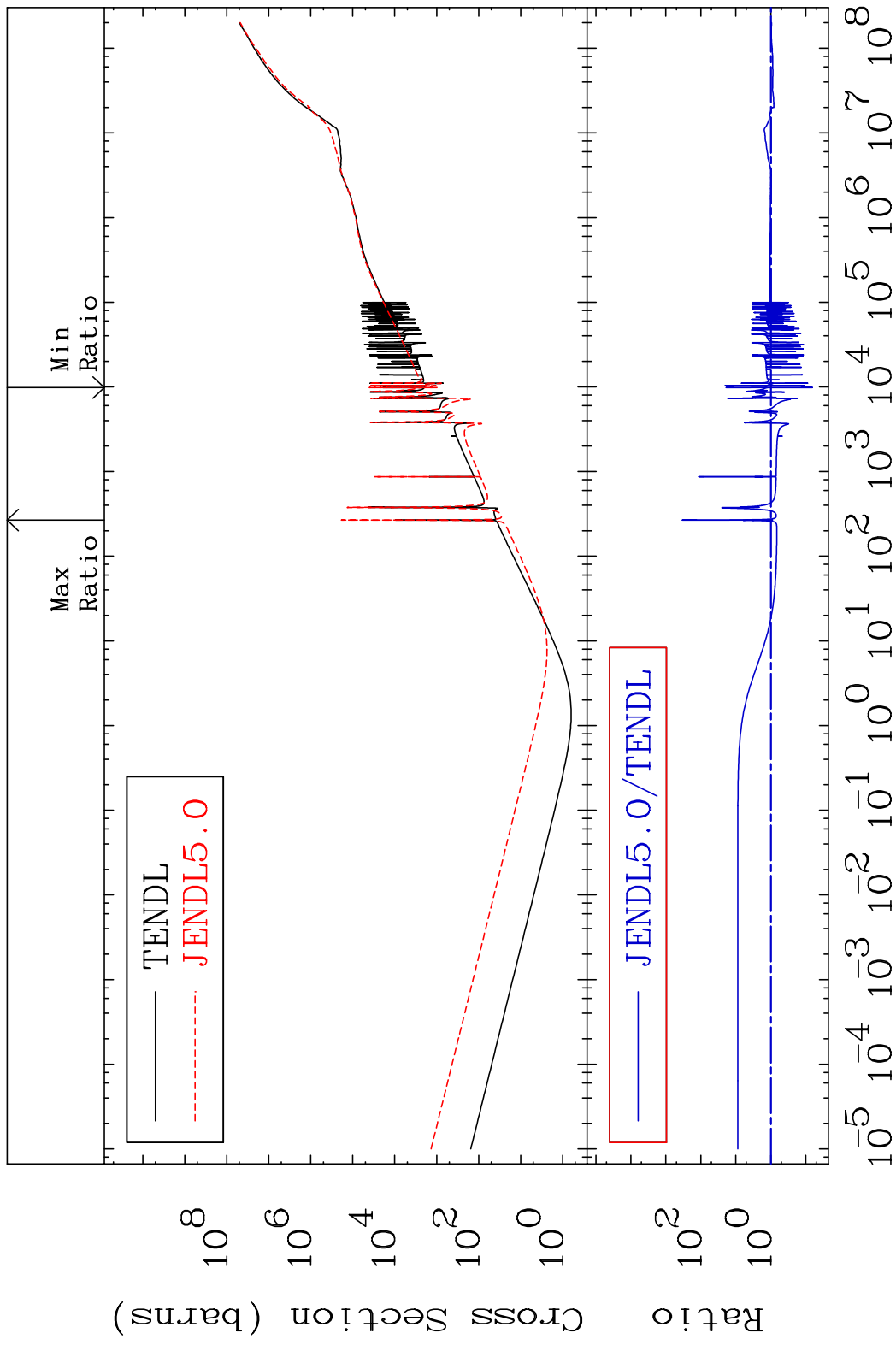
Incident Energy (eV)

37-Rb-87

MAT 3731 Total photon (eV-barns) 37-Rb-87
 Cross Section -100.0 To 9999. %



MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
 Cross Section -93.61 To 9999. %



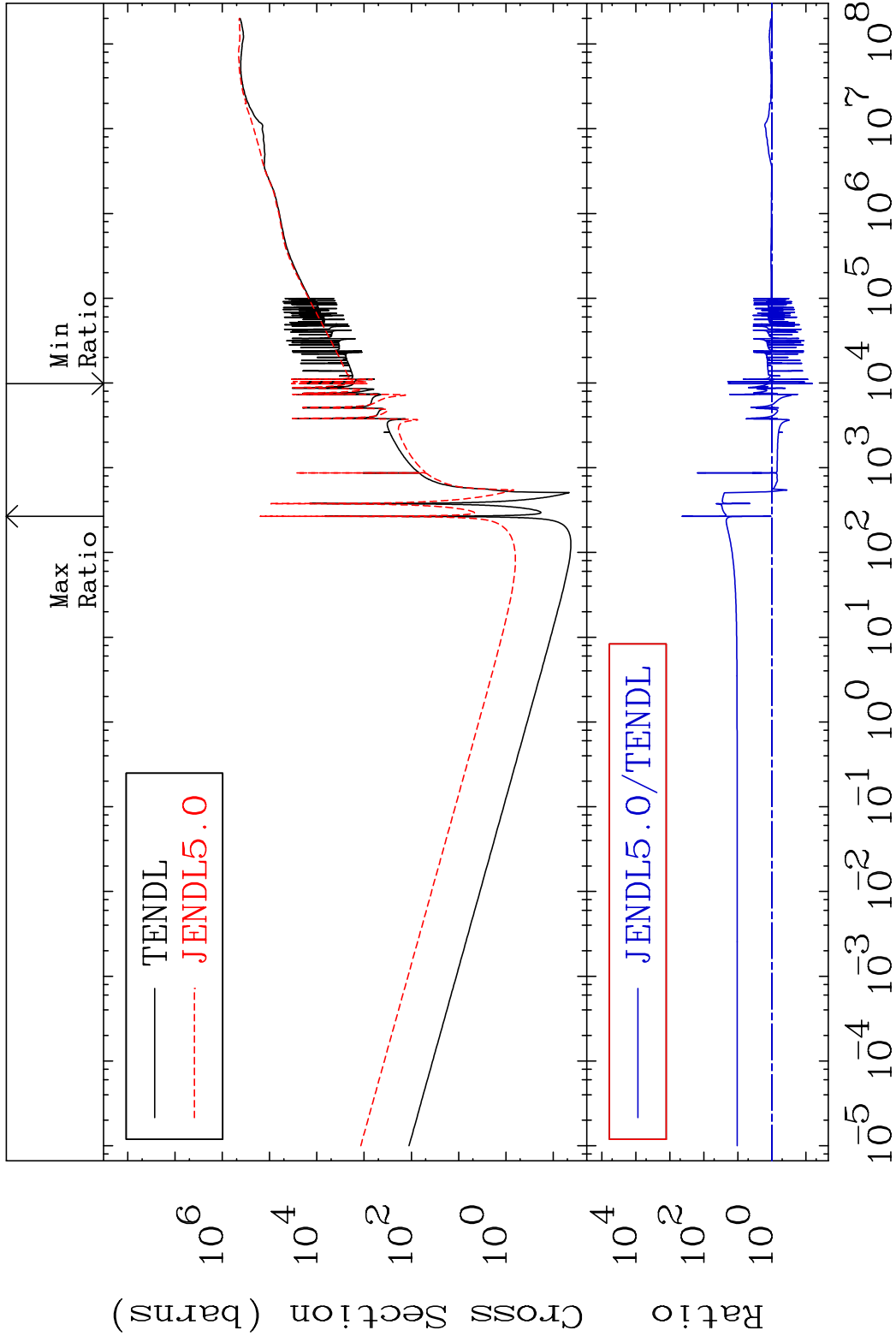
45 Incident Energy (eV) 37-Rb-87

MAT 3731

Dpa total (eV-barns)

37-Rb-87

Cross Section -93.60 To 9999. %



46

Incident Energy (eV)

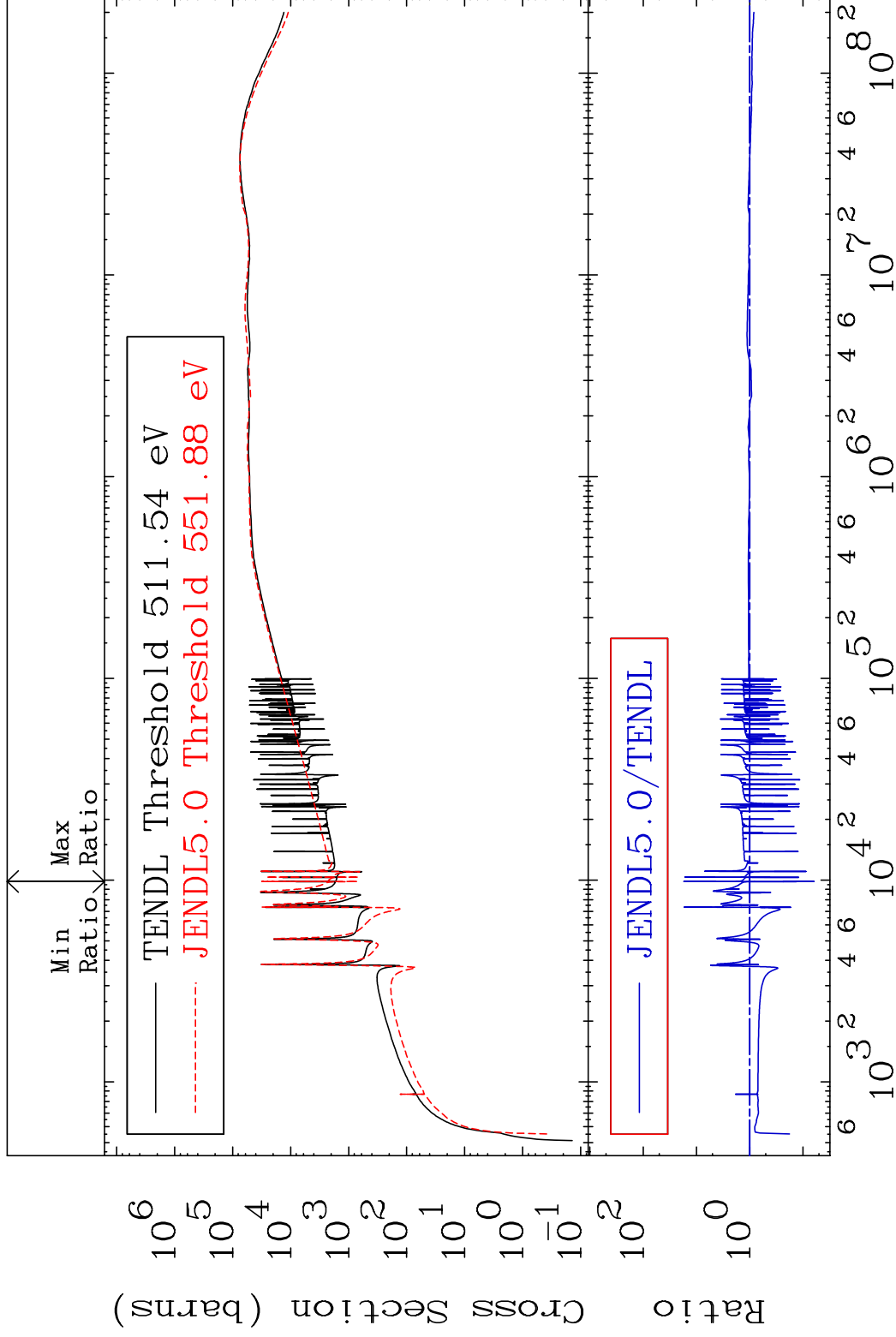
37-Rb-87

MAT 3731

Dpa elastic (mt2)

37-Rb-87

Cross Section -93.80 To 1639. %

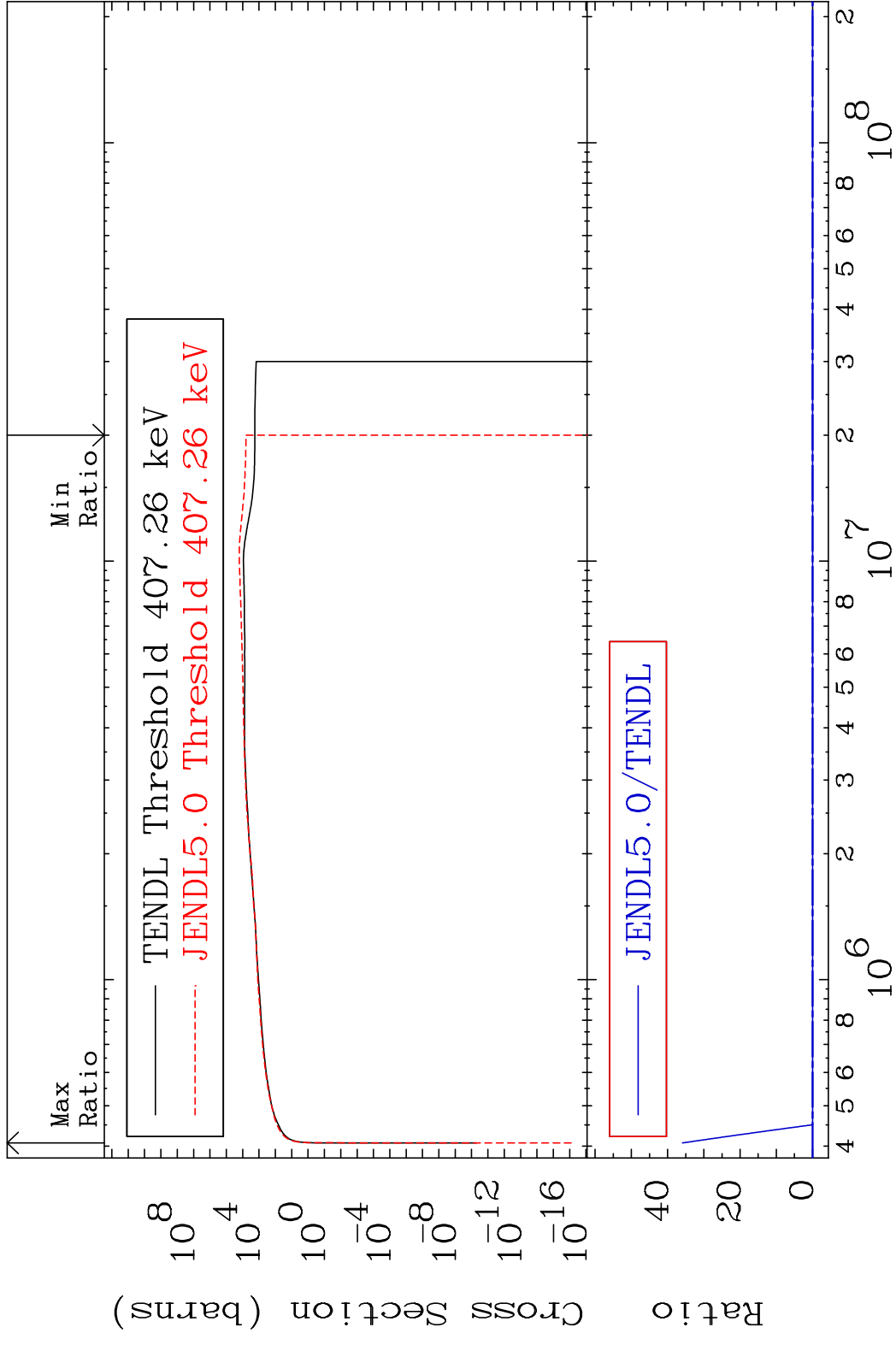


47

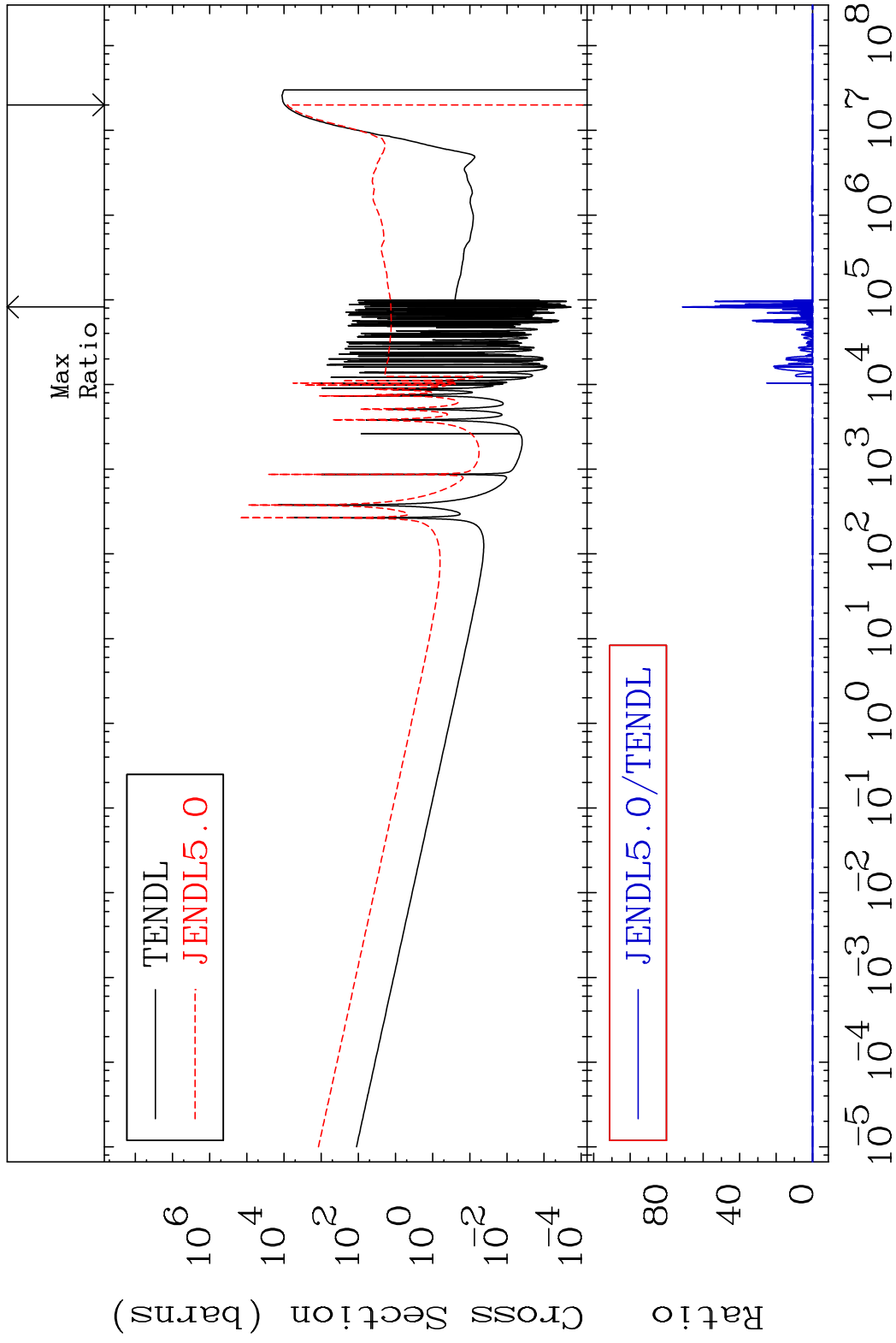
Incident Energy (eV)

37-Rb-87

MAT 3731 Dpa inelastic (mt51-91) 37-Rb-87
 Cross Section -100.0 To 9999. %



MAT 3731 Dpa disappearance (mt102 -120) 37-Rb-87
 Cross Section -100.0 To 9999. %

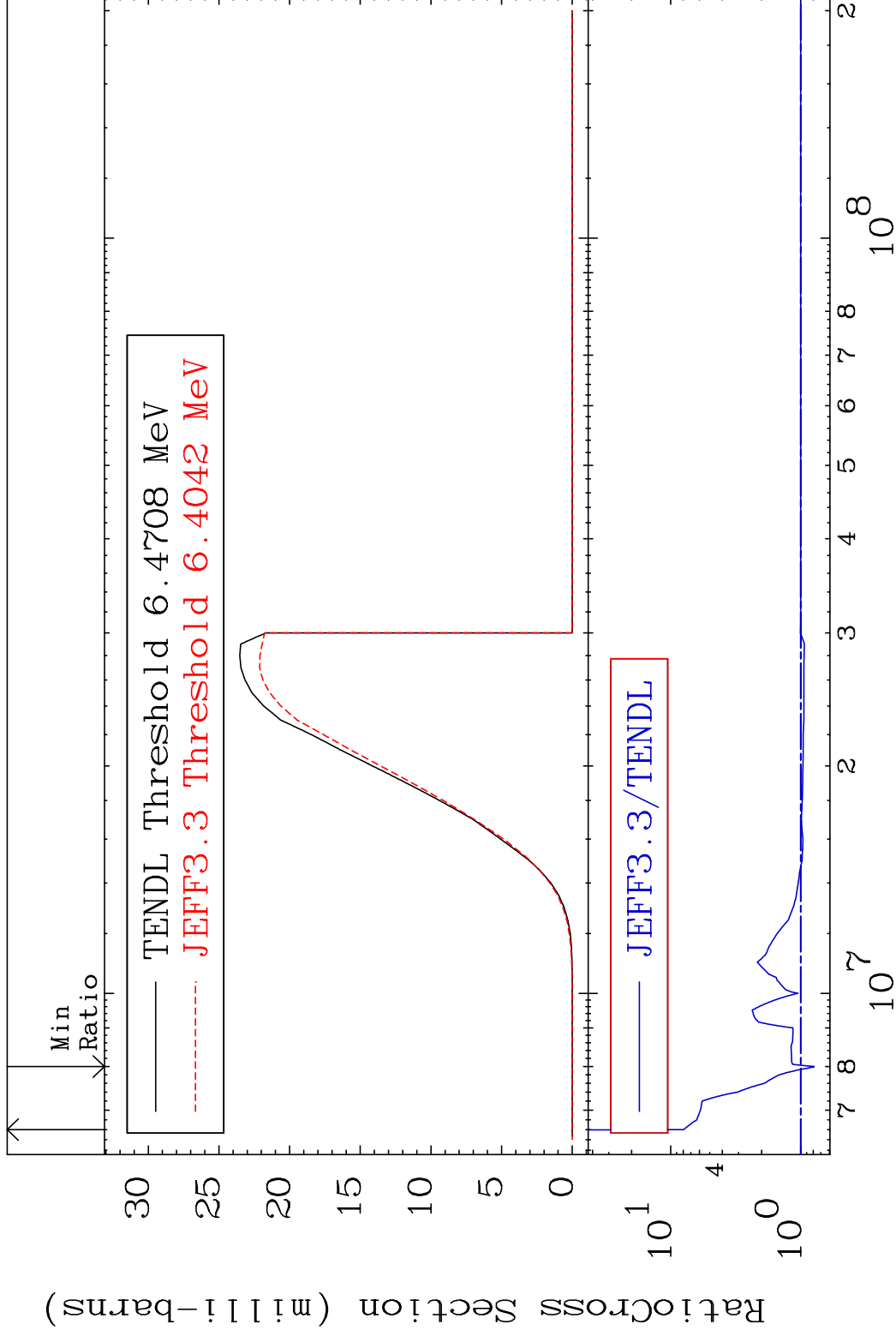


MAT 3731

(n, d)

37-Rb-87

Cross Section -21.27 To 694.9 %



50

Incident Energy (eV)

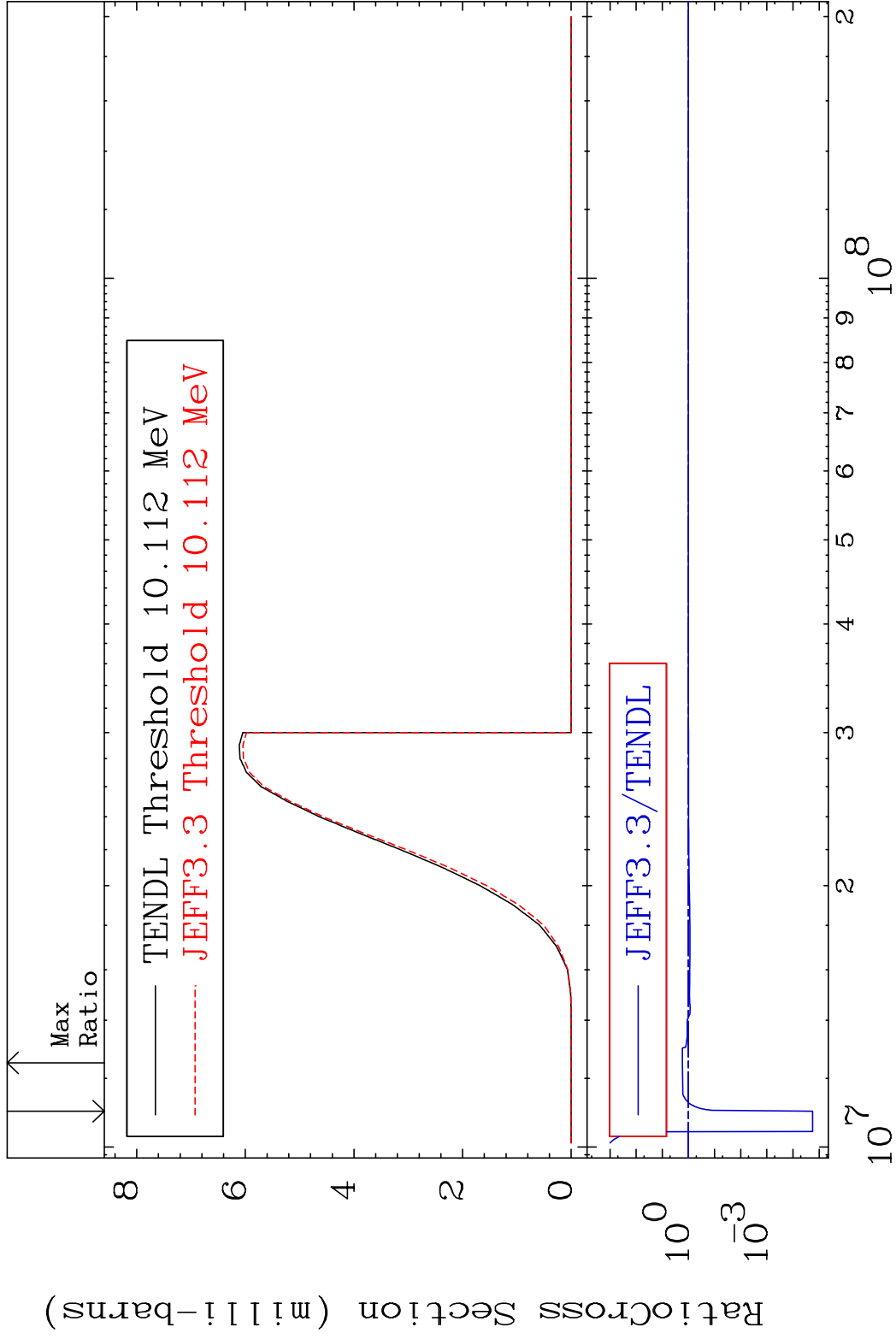
37-Rb-87

MAT 3731

(n, t)

37-Rb-87

Cross Section -100.0 To 70.51 %



51

Incident Energy (eV)

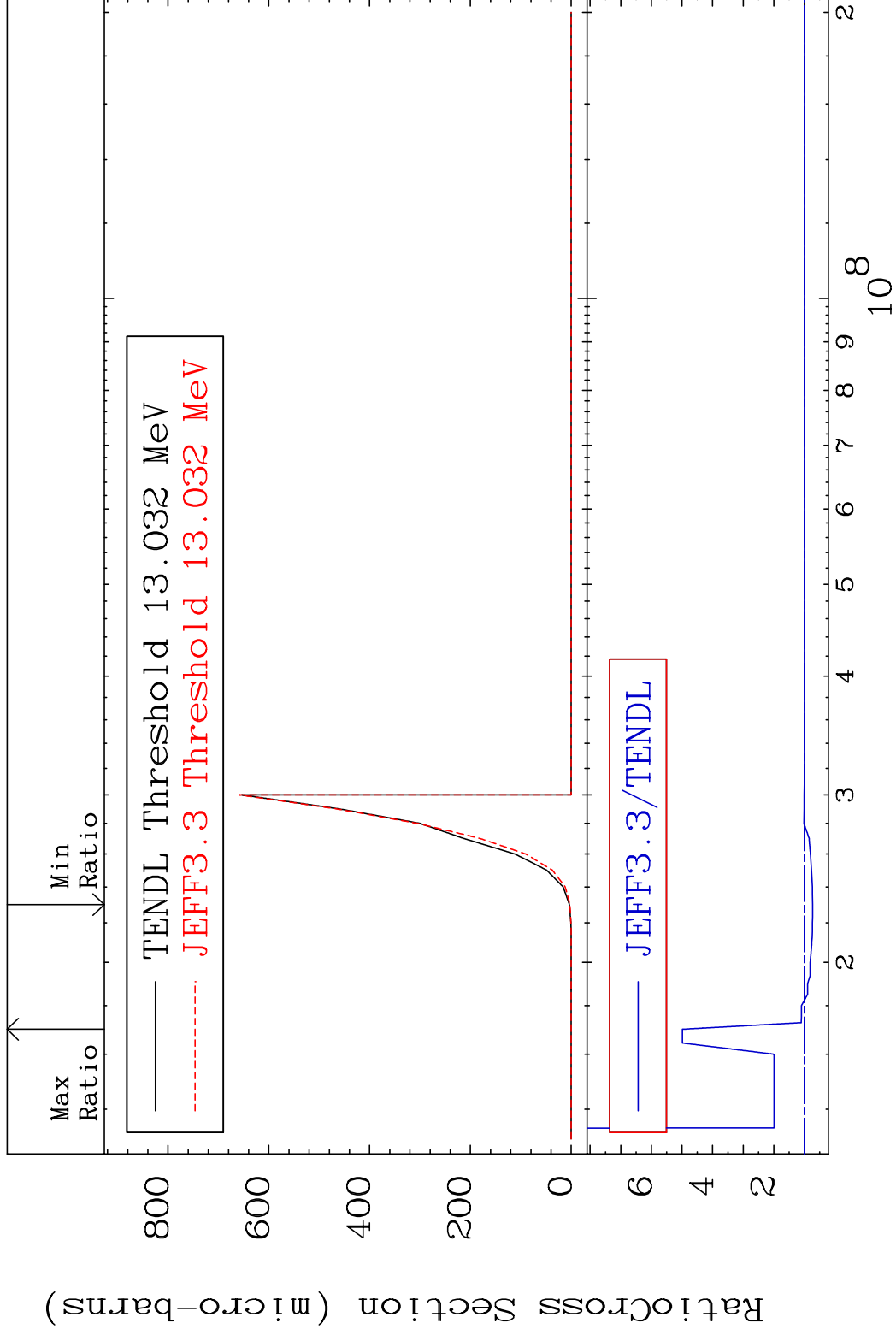
37-Rb-87

MAT 3731

(n, He-3)

37-Rb-87

Cross Section -26.54 To 398.8 %



52

Incident Energy (eV)

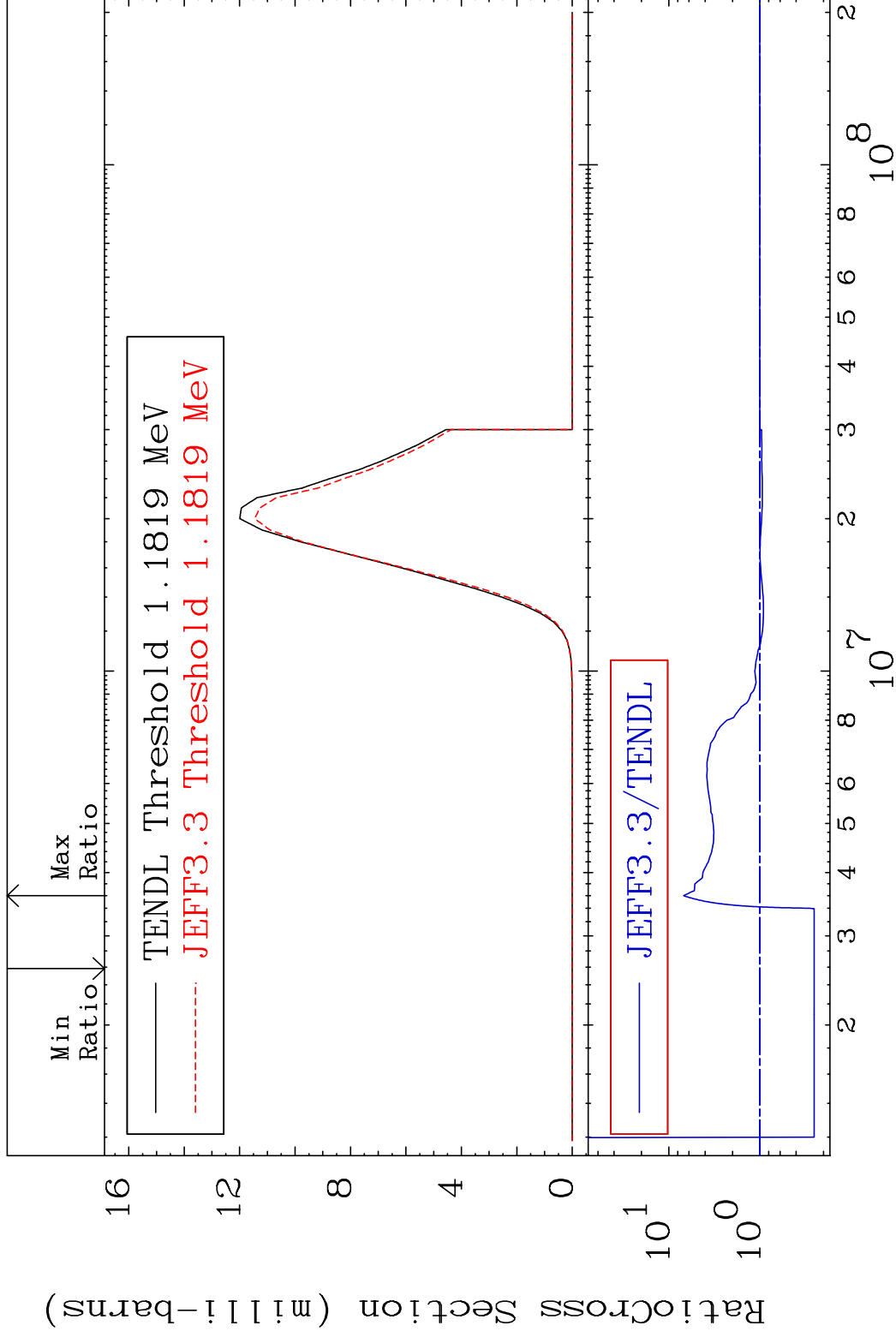
37-Rb-87

MAT 3731

(n, α)

37-Rb-87

Cross Section -74.63 To 587.5 %



53

Incident Energy (eV)

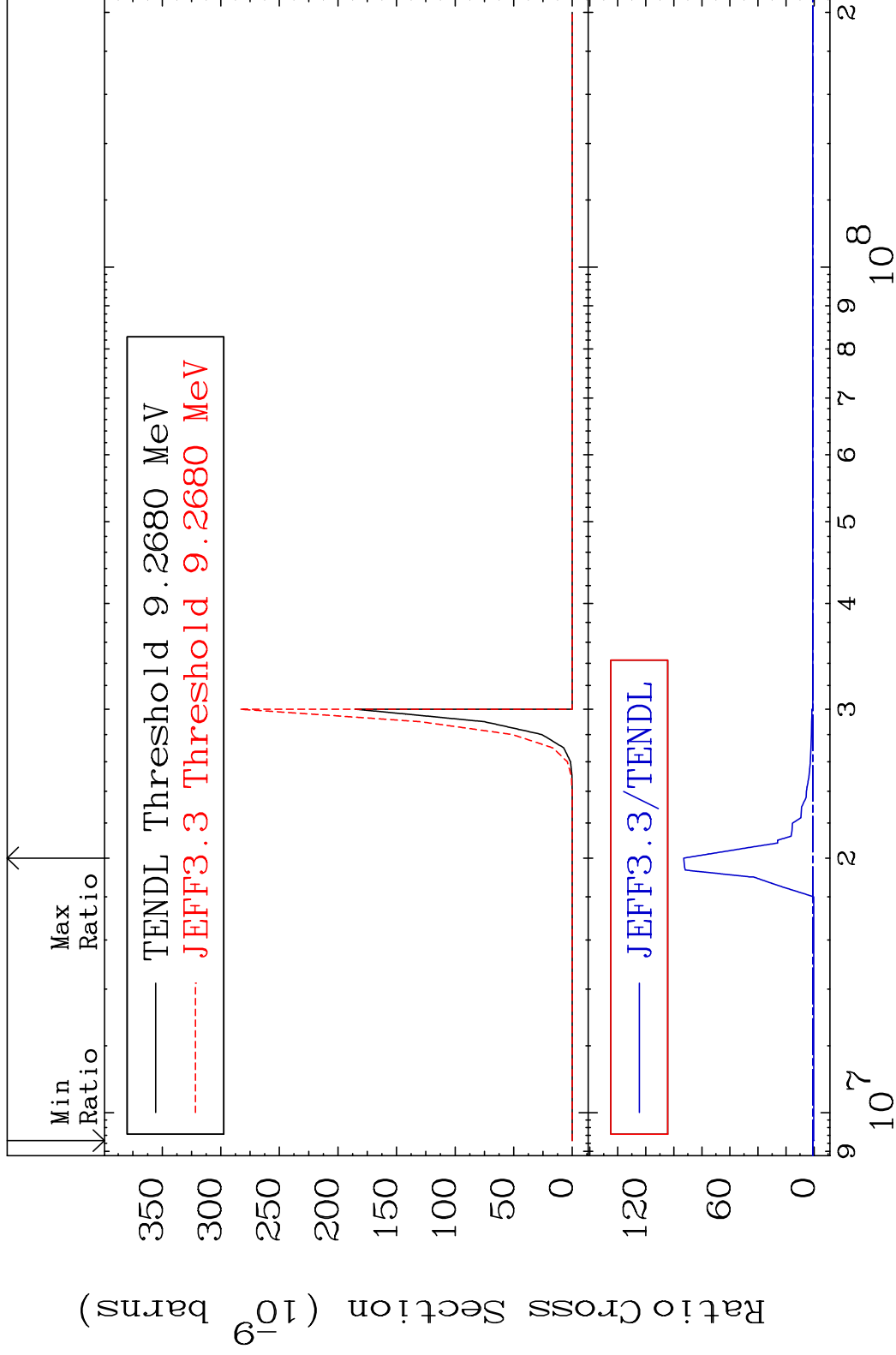
37-Rb-87

MAT 3731

(n,2α)

37-Rb-87

Cross Section -100.0 To 9201. %



54

Incident Energy (eV)

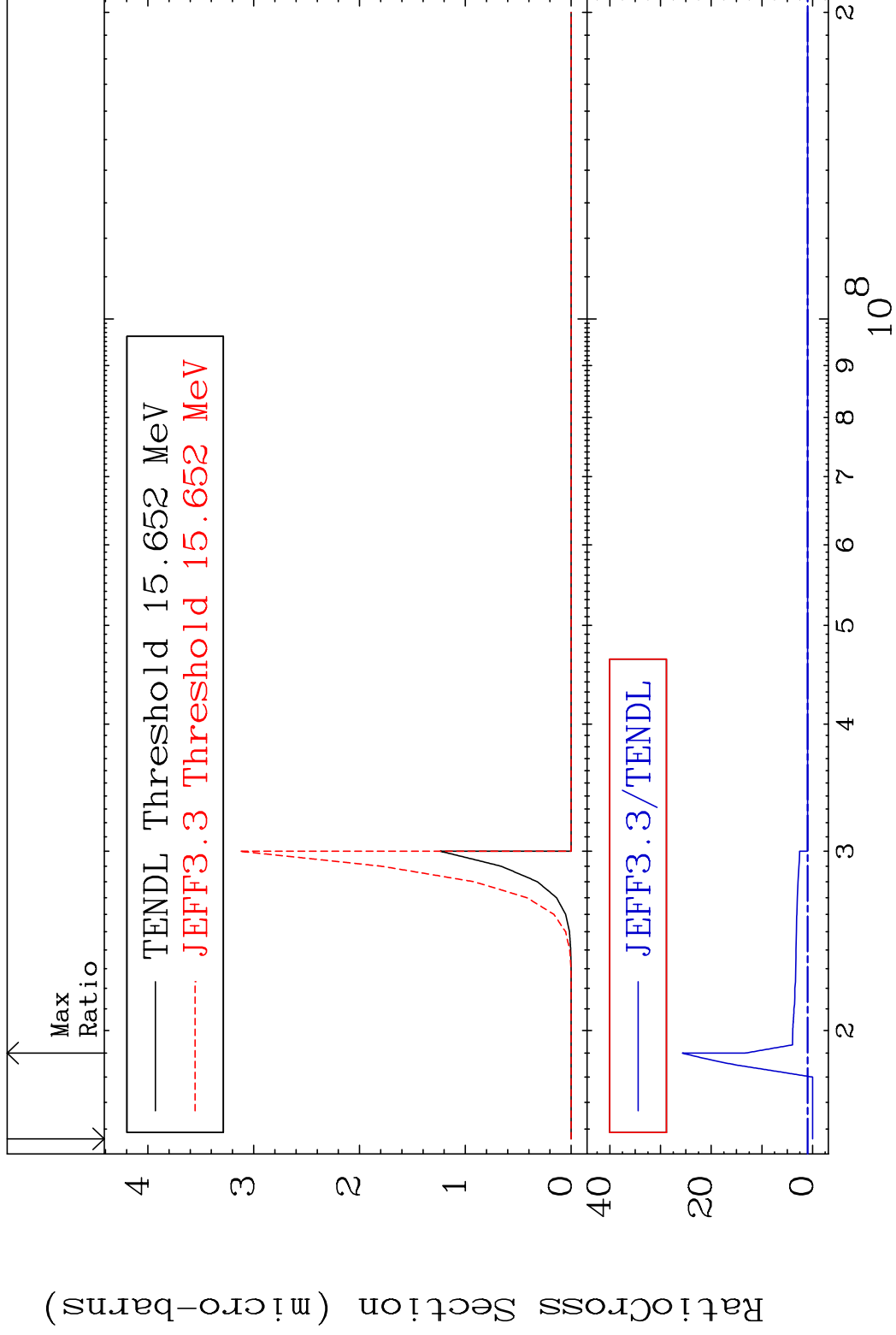
37-Rb-87

MAT 3731

(n,2p)

37-Rb-87

Cross Section -100.0 To 2469. %



55

Incident Energy (eV)

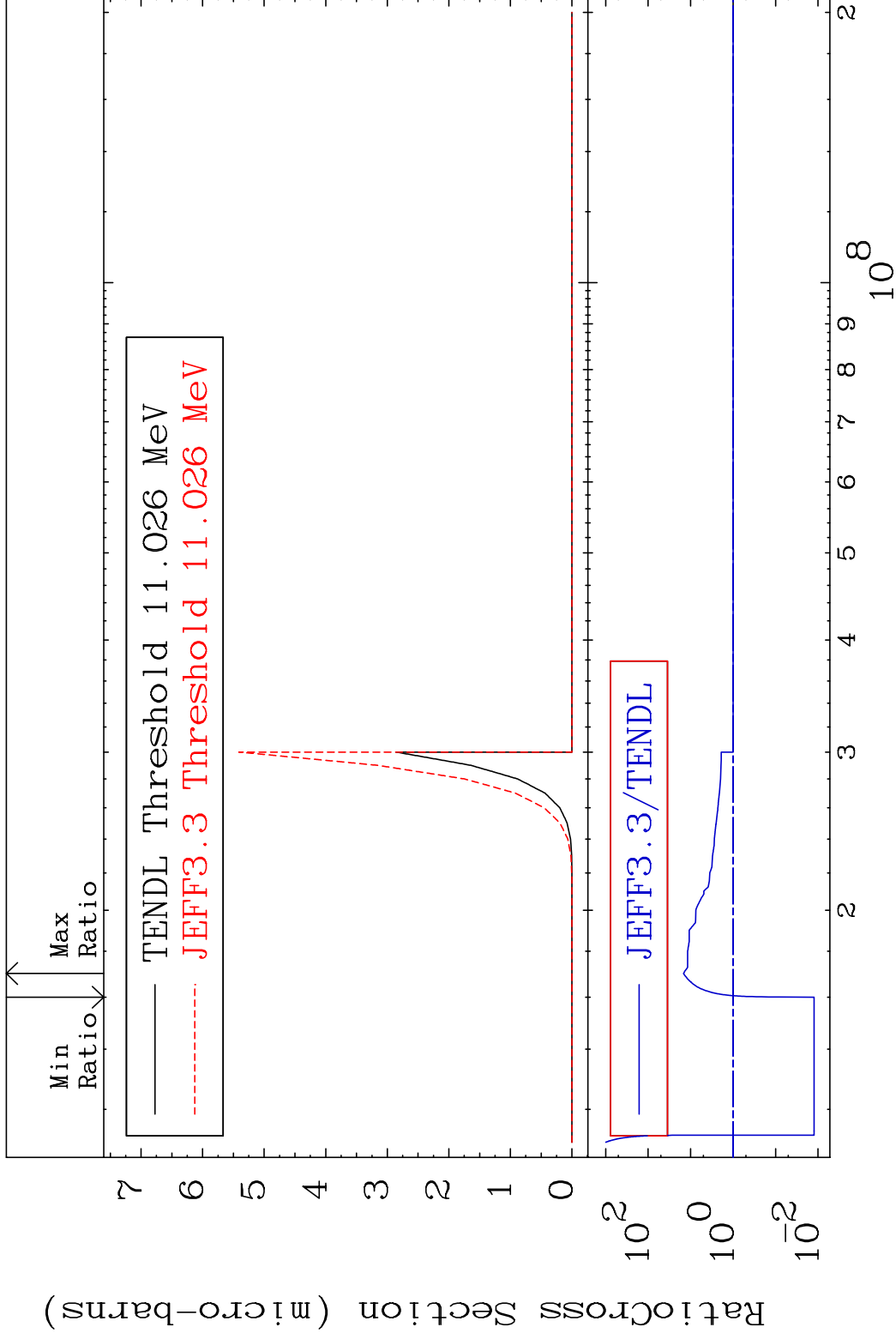
37-Rb-87

MAT 3731

(n,p) α

37-Rb-87

Cross Section -98.76 To 1372. %



56

Incident Energy (eV)

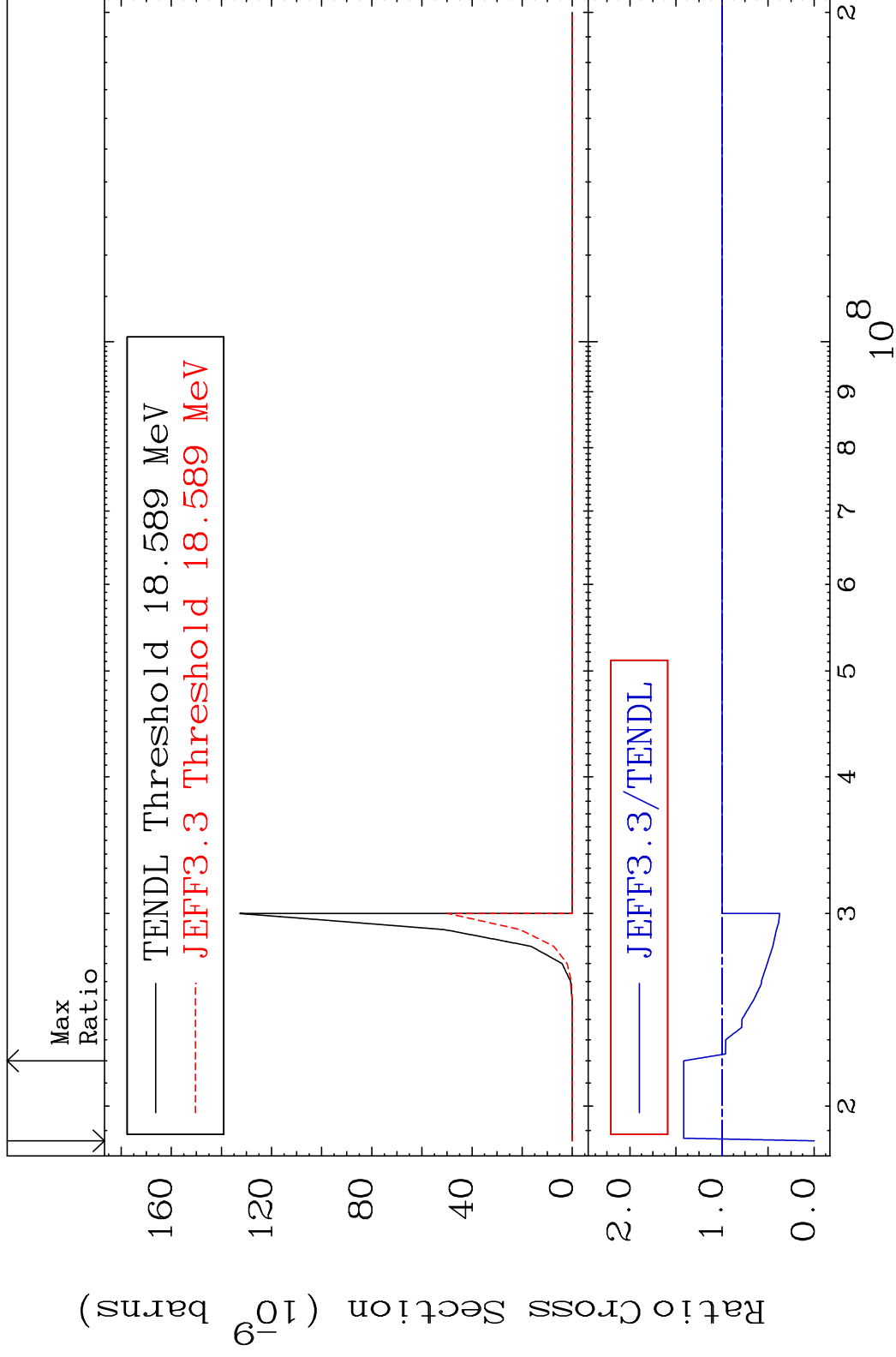
37-Rb-87

MAT 3731

(n,p) d

37-Rb-87

Cross Section -100.0 To 41.64 %



57

Incident Energy (eV)

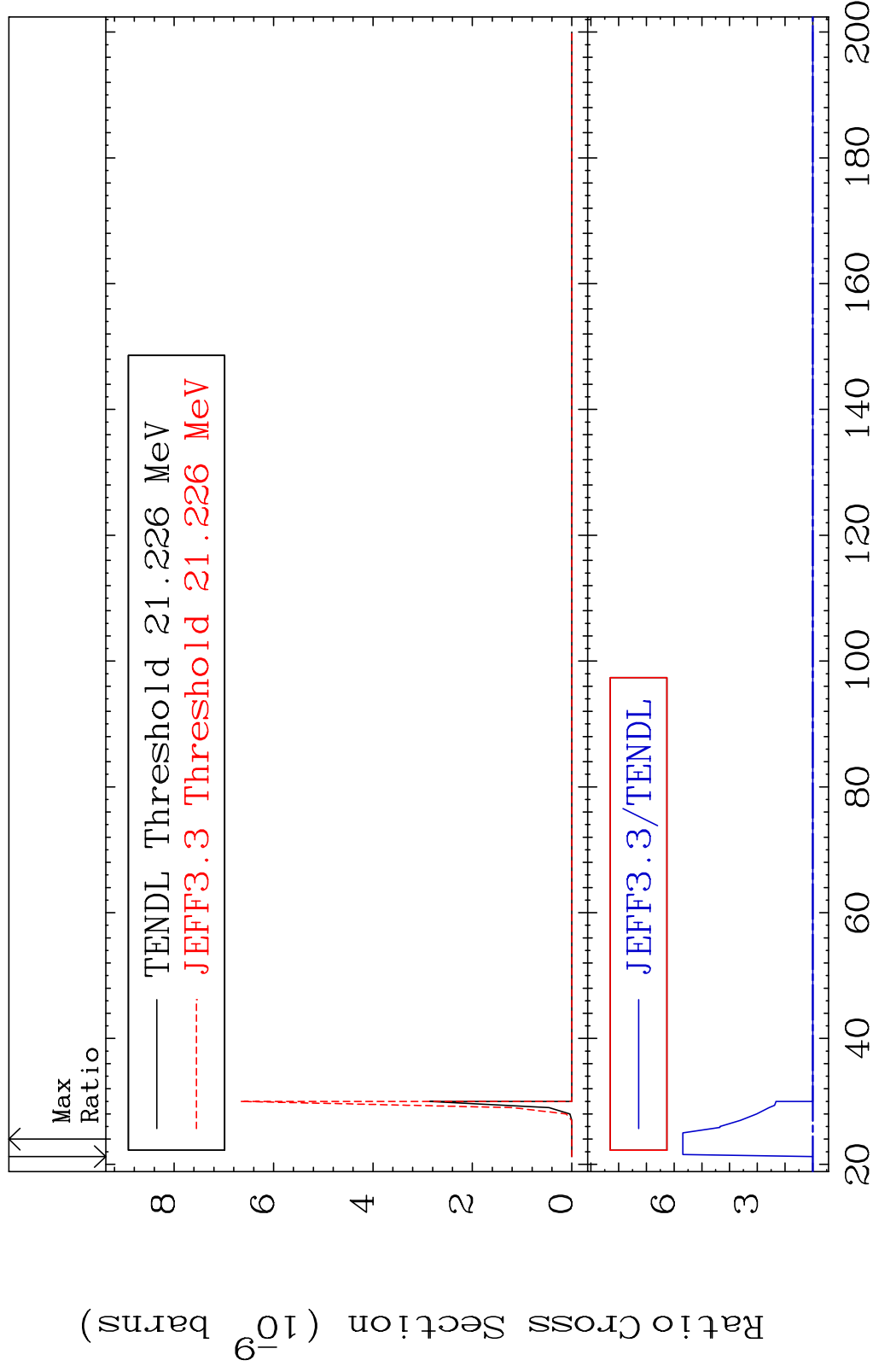
37-Rb-87

MAT 3731

(n,p) t

37-Rb-87

Cross Section 0.000 To 468.7 %



58

Incident Energy (MeV)

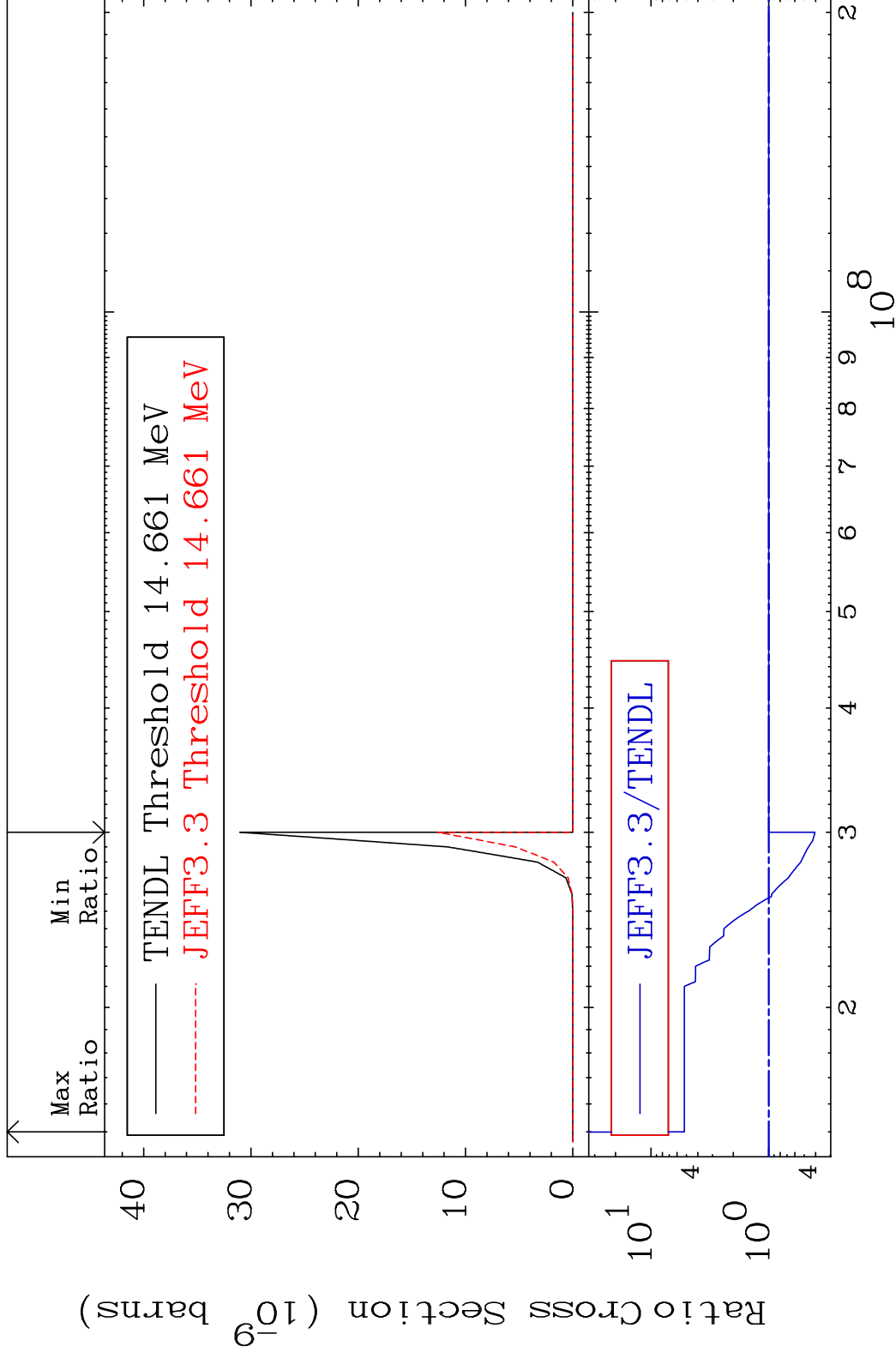
37-Rb-87

MAT 3731

(n,d) α

37-Rb-87

Cross Section -59.46 To 420.8 %



59

Incident Energy (eV)

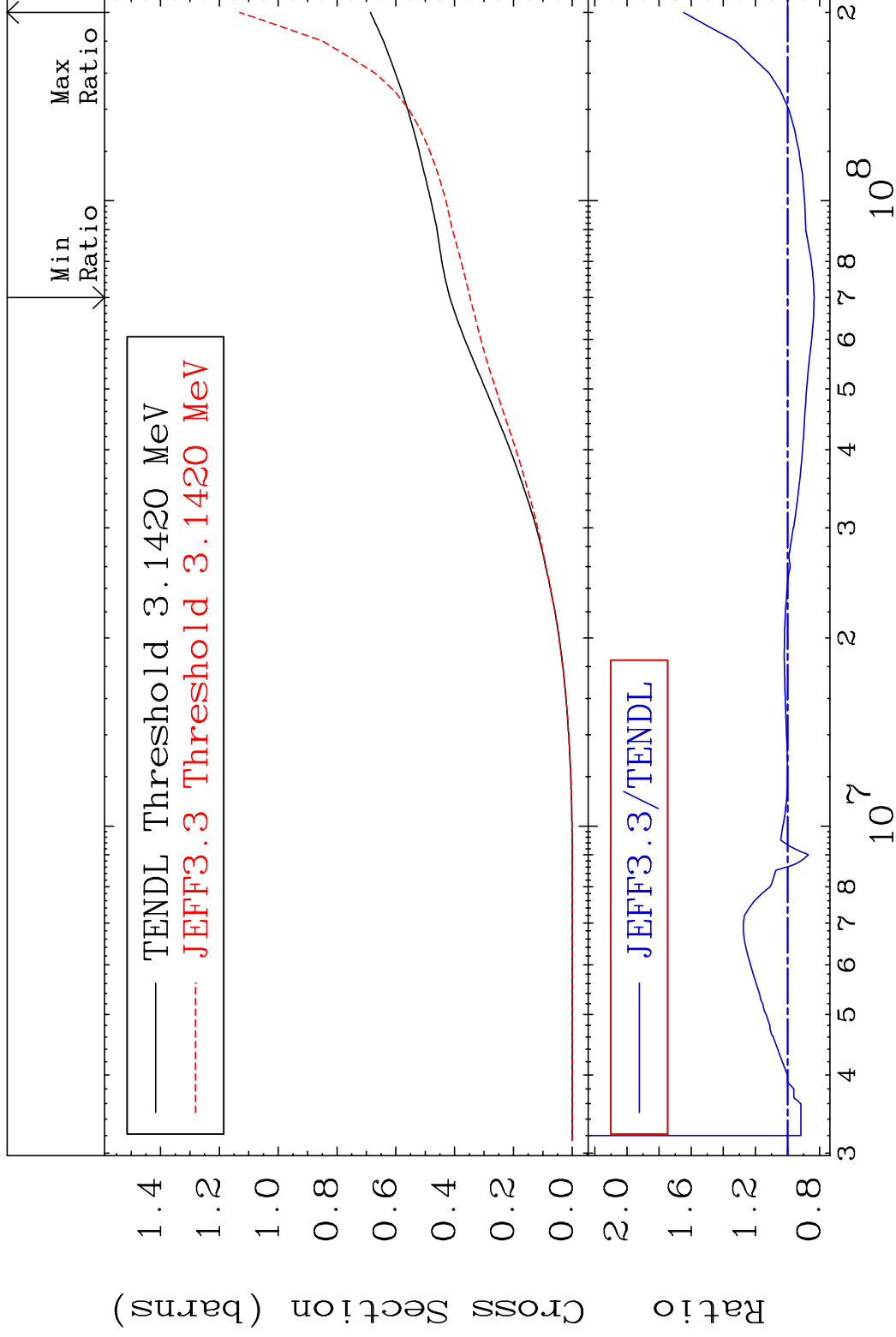
37-Rb-87

MAT 3731

Hydrogen Production

37-Rb-87

Cross Section -16.53 To 64.70 %



60

Incident Energy (eV)

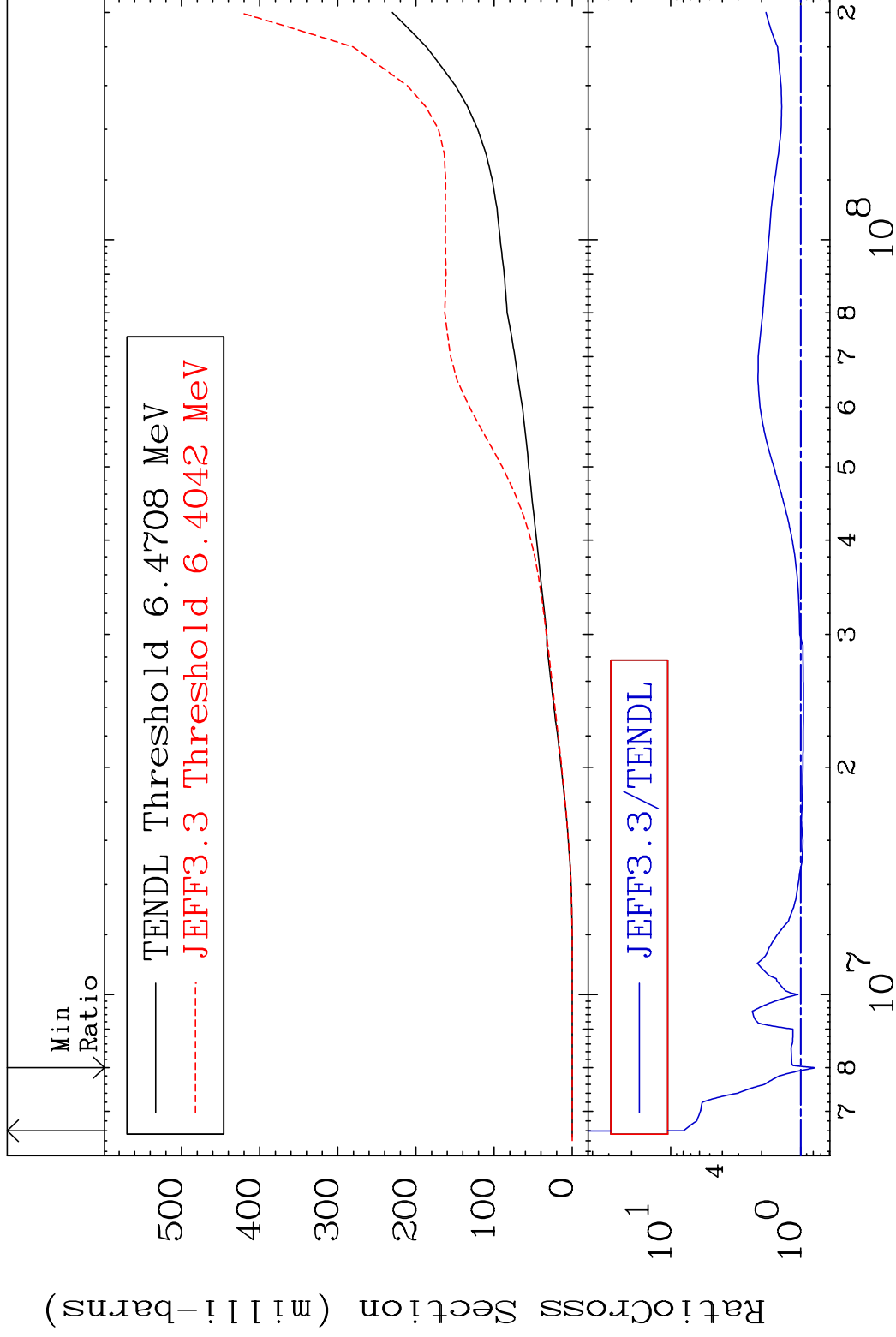
37-Rb-87

MAT 3731

Deuterium Production

37-Rb-87

Cross Section -21.27 To 694.9 %



61

Incident Energy (eV)

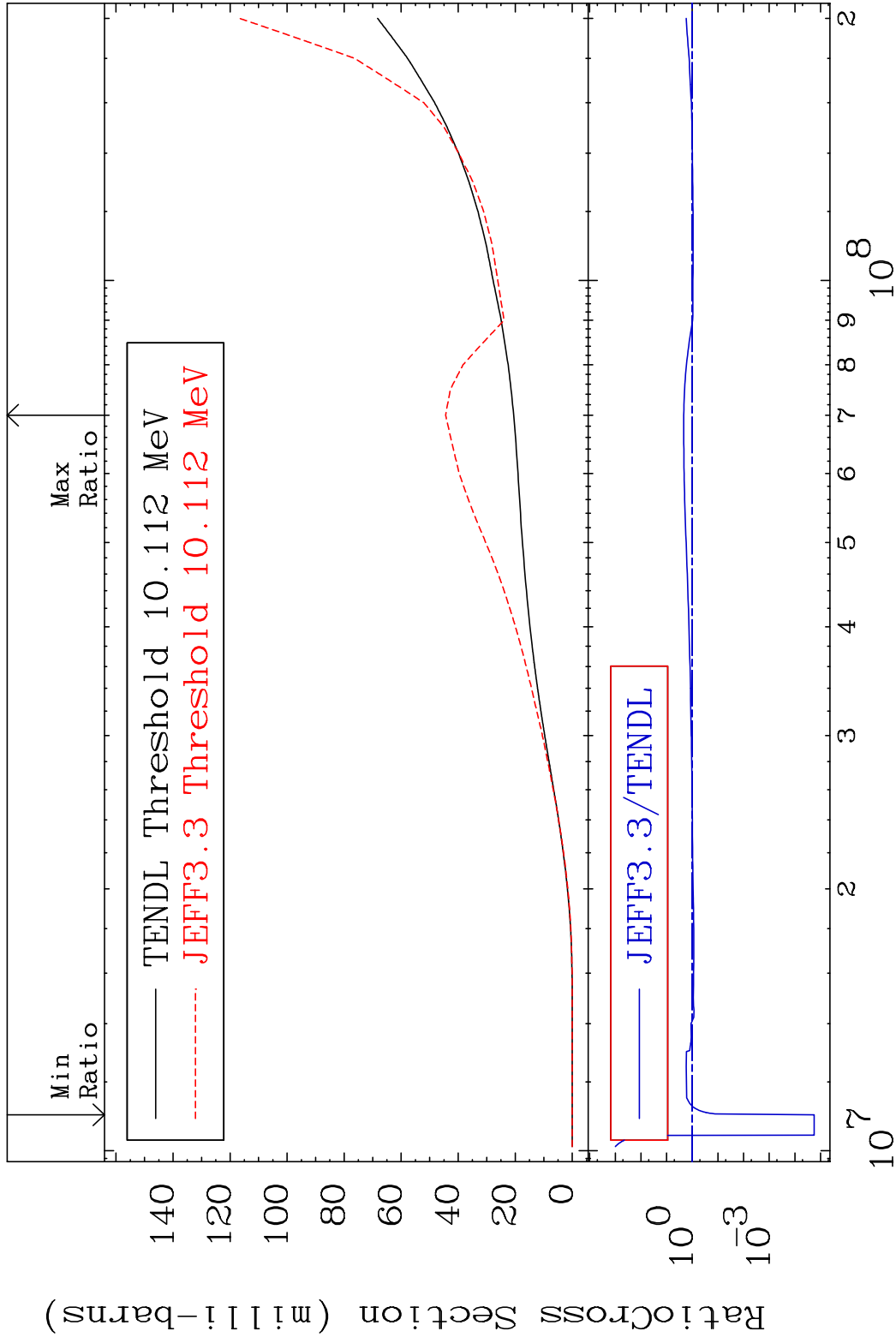
37-Rb-87

MAT 3731

Tritium Production

37-Rb-87

Cross Section -100.0 To 116.4 %



62

Incident Energy (eV)

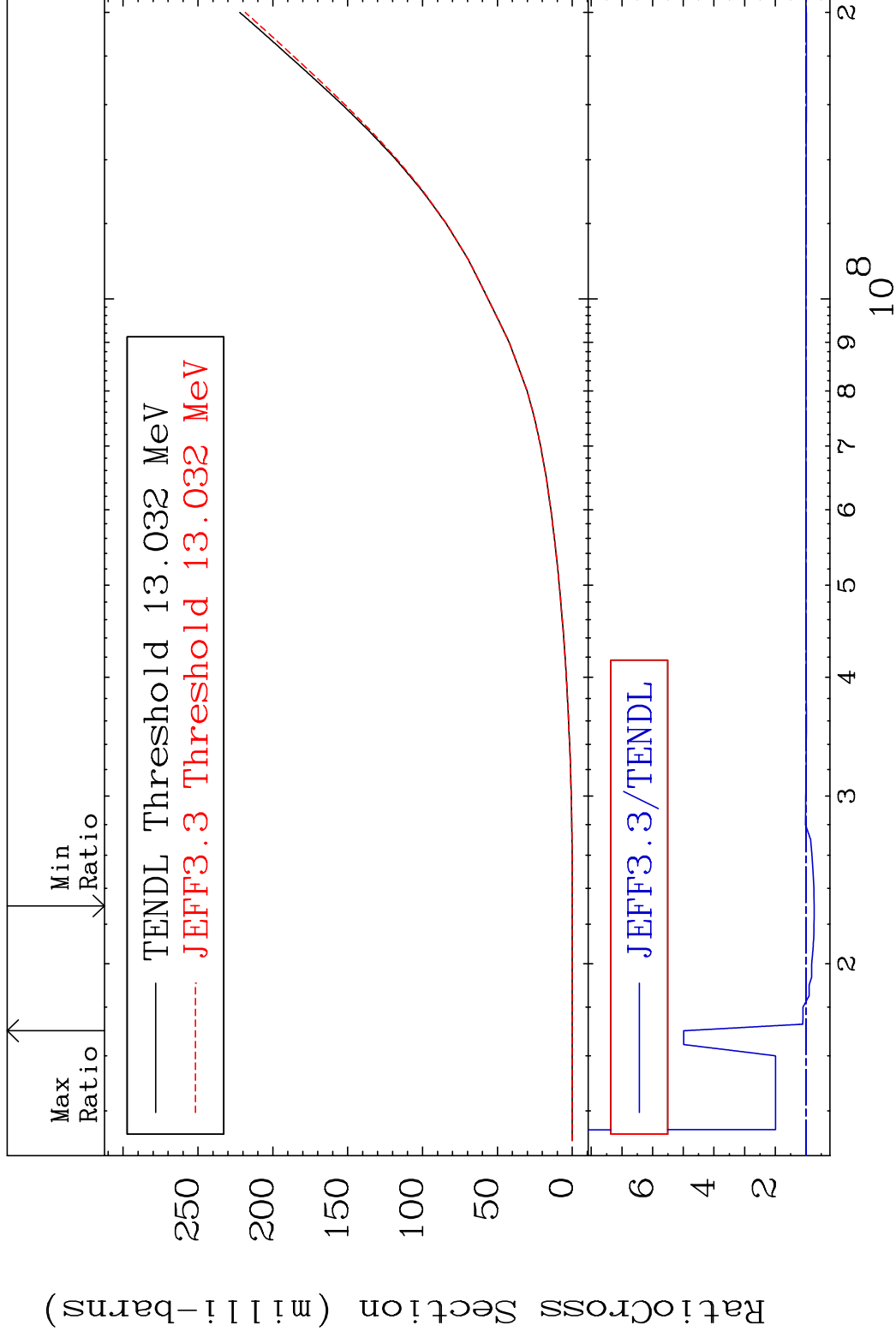
37-Rb-87

MAT 3731

He-3 Production

37-Rb-87

Cross Section -26.54 To 398.8 %



63

Incident Energy (eV)

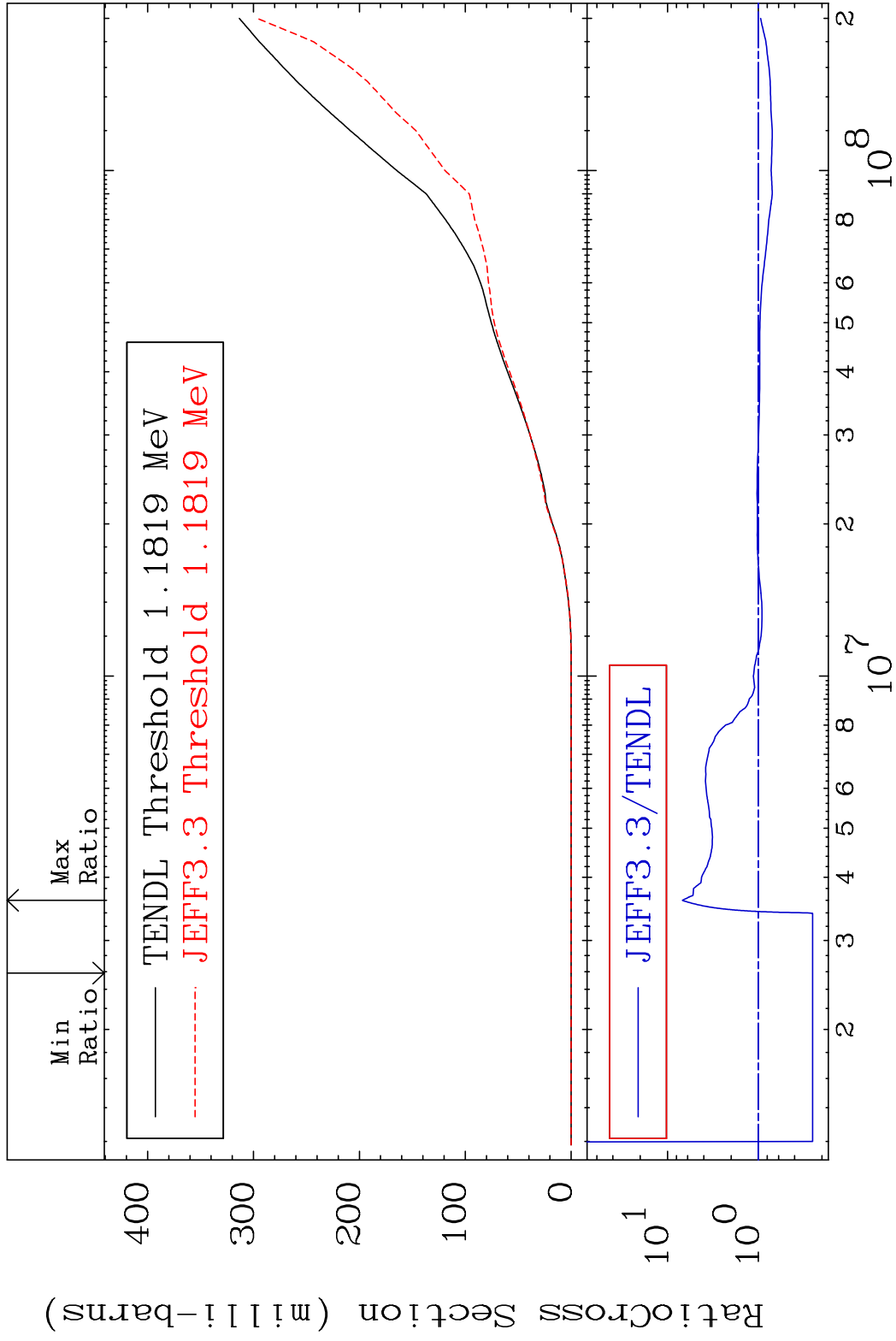
37-Rb-87

MAT 3731

He-4 Production

37-Rb-87

Cross Section -74.63 To 587.5 %



64

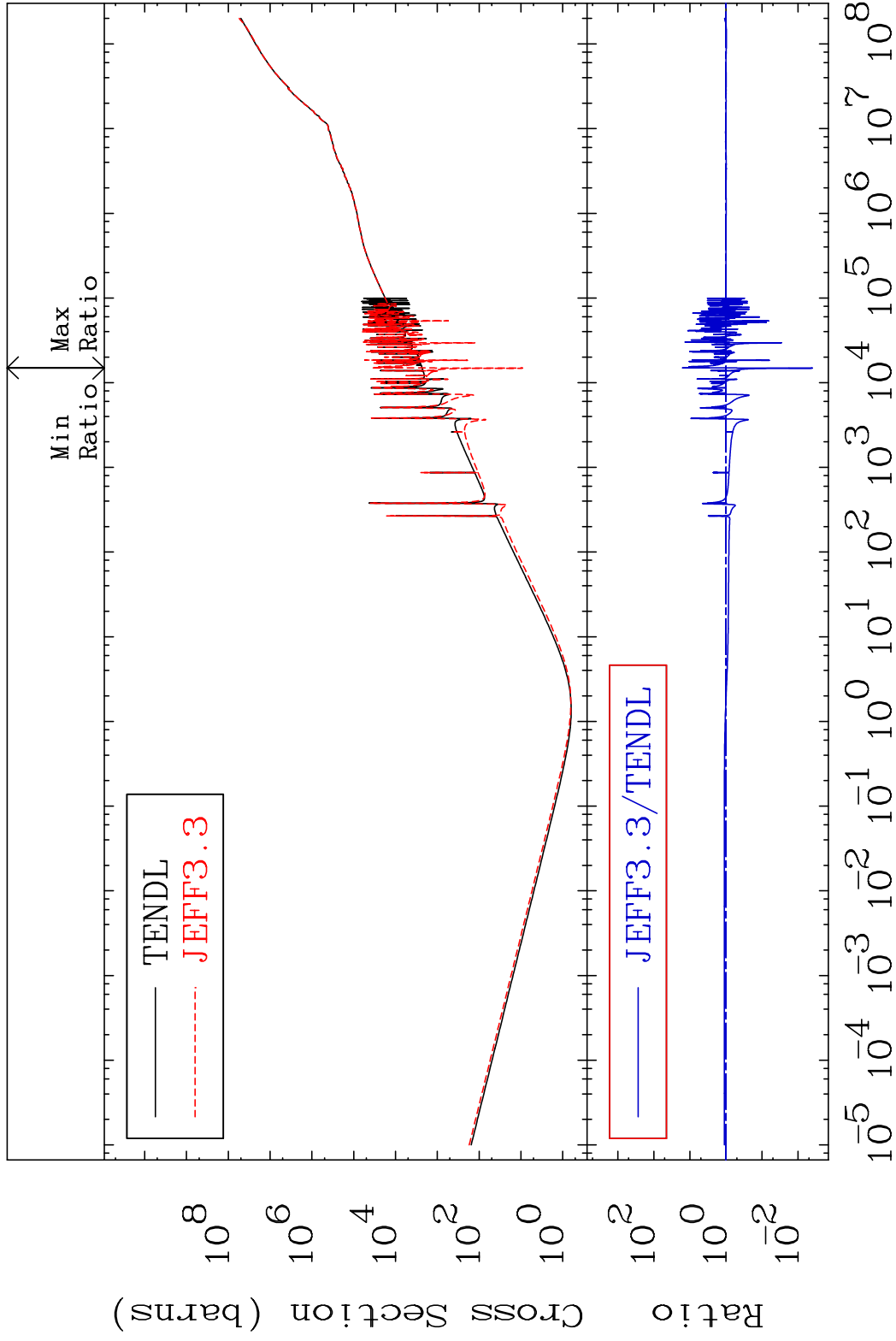
Incident Energy (eV)

37-Rb-87

MAT 3731

Kerma total (eV-barns) 37-Rb-87

Cross Section -99.60 To 1520. %



65

Incident Energy (eV)

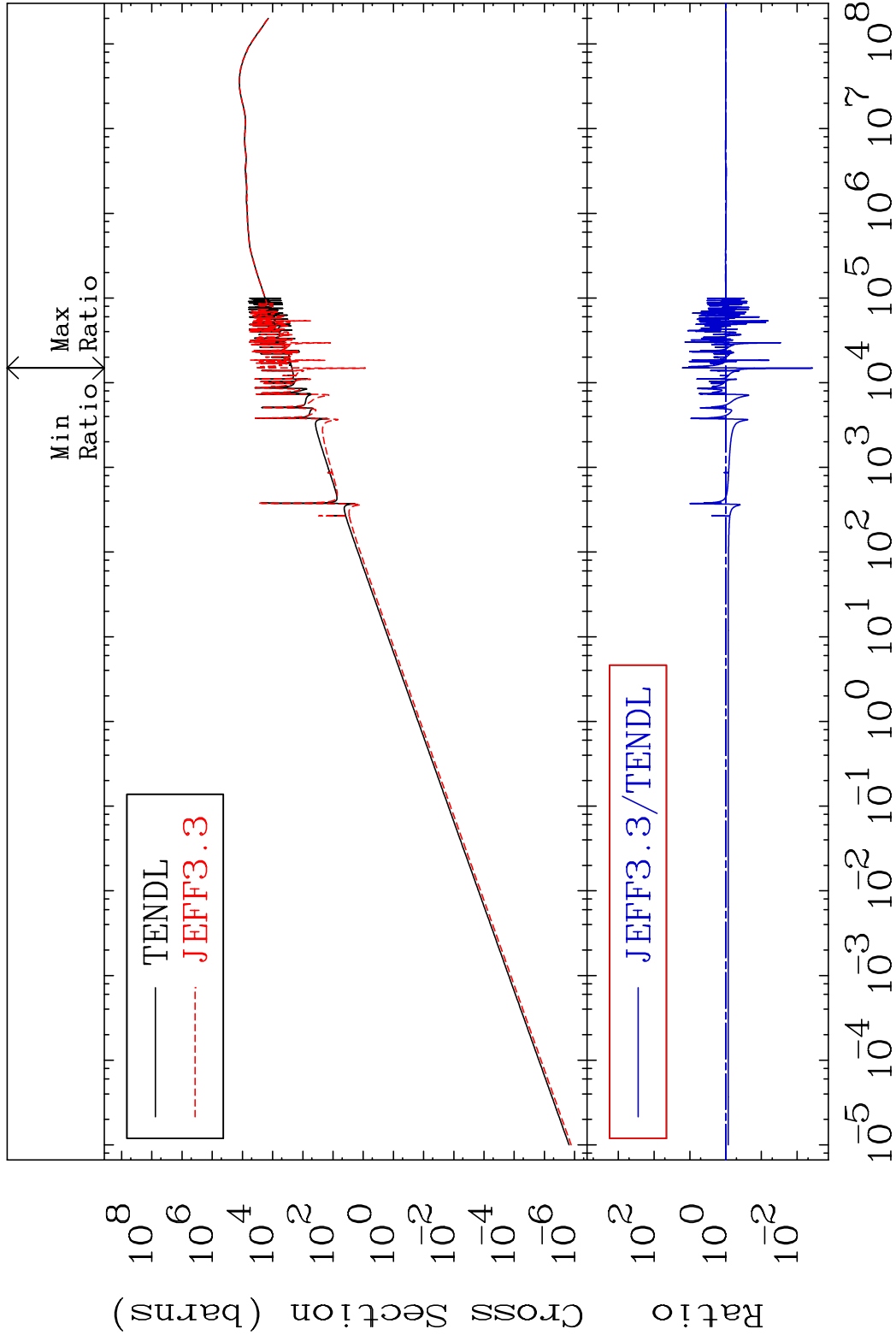
37-Rb-87

MAT 3731

Kerma elastic

37-Rb-87

Cross Section -99.63 To 1519. %

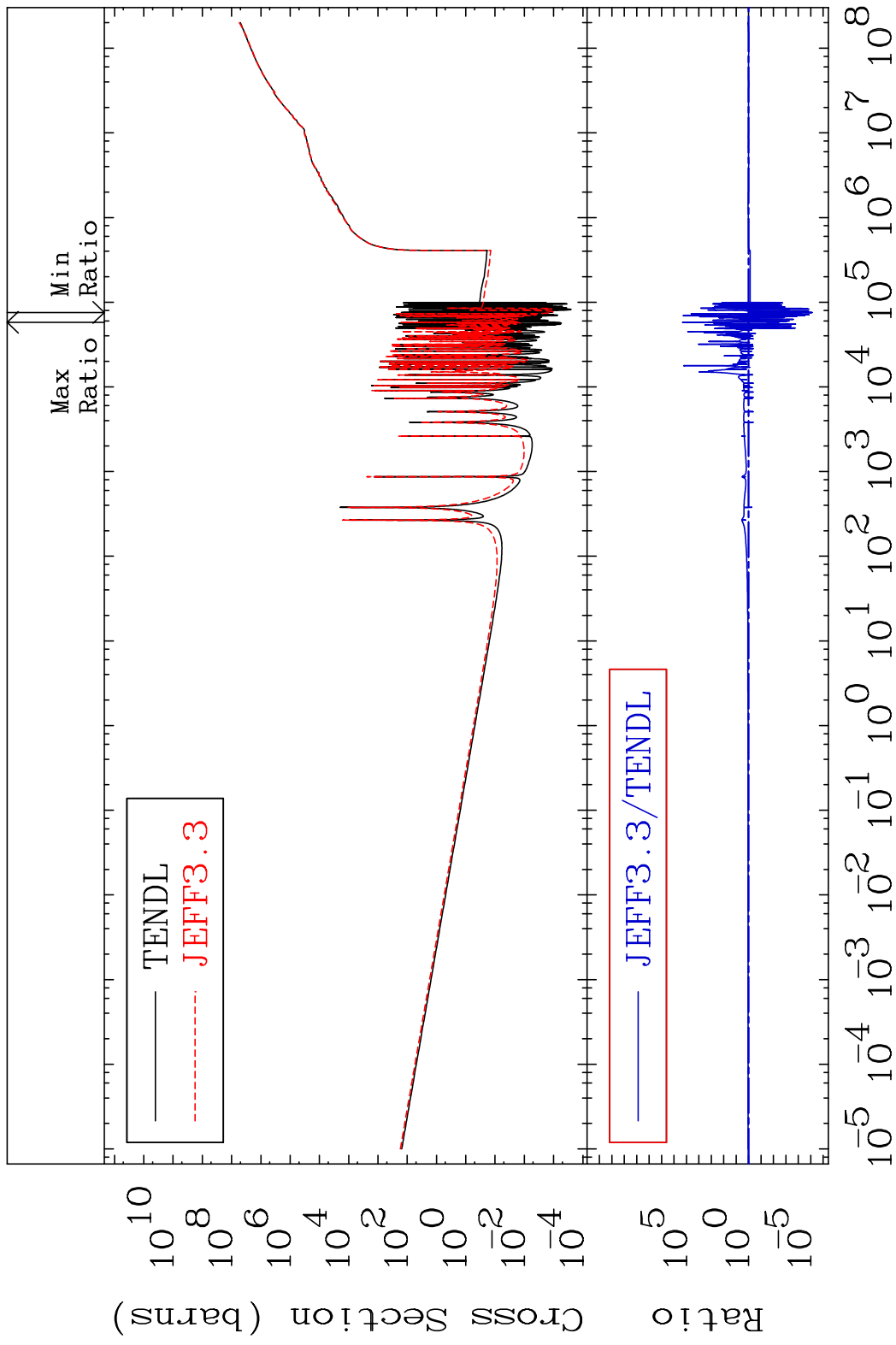


66

Incident Energy (eV)

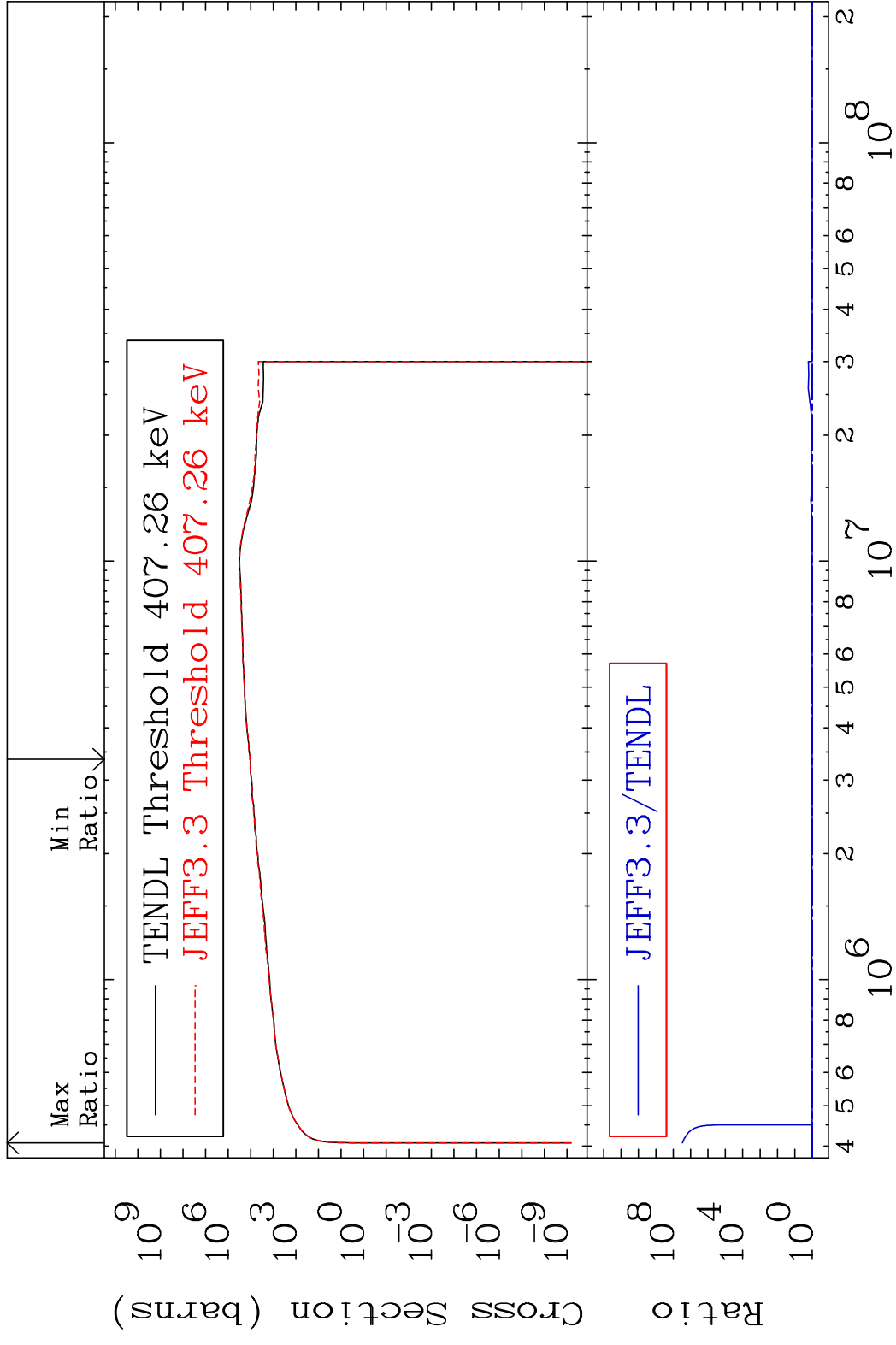
37-Rb-87

MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -100.0 To 9999. %

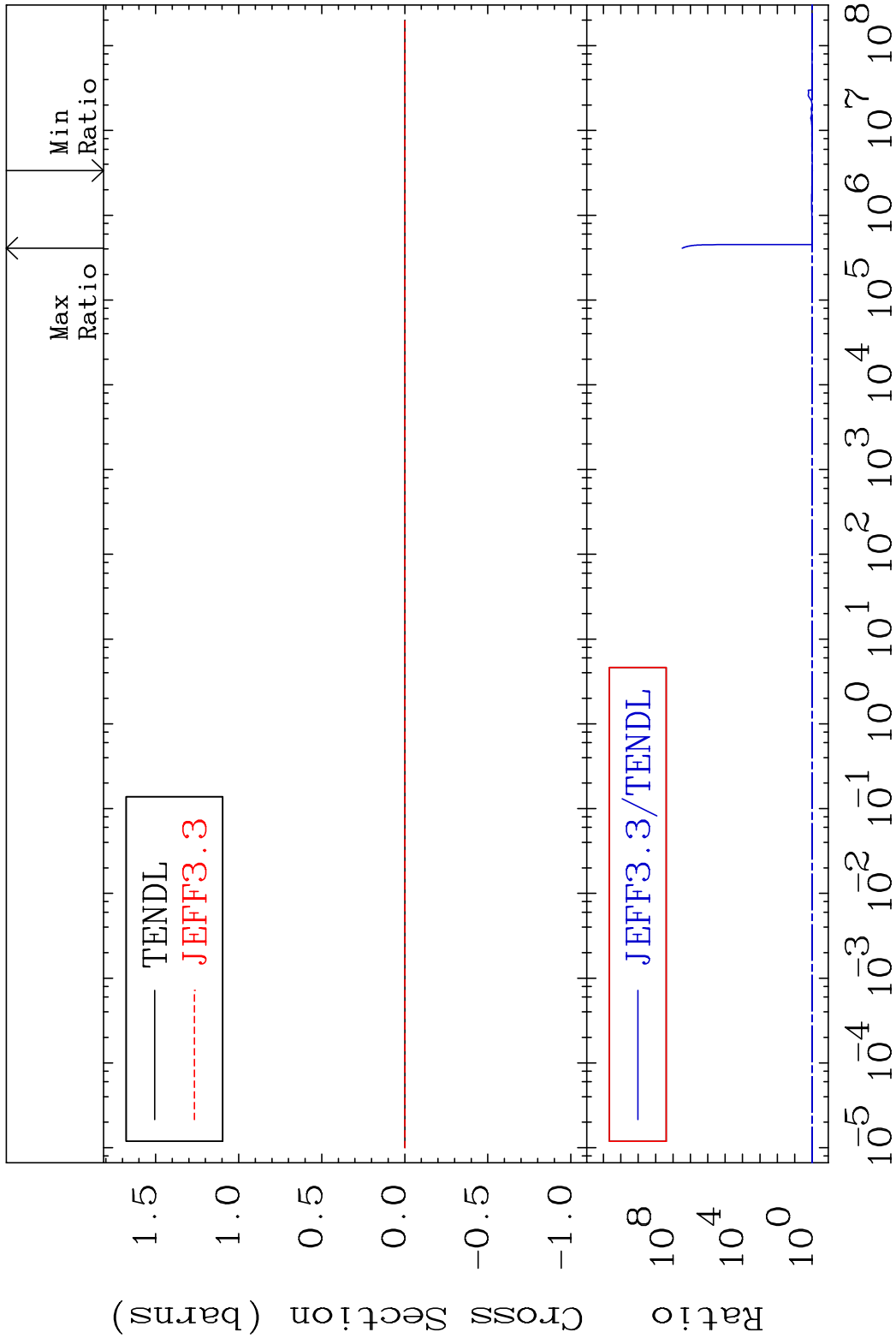


67 Incident Energy (eV) 37-Rb-87

MAT 3731 Kerma inelastic (mt51-91) 37-Rb-87
 Cross Section -4.654 To 9999. %



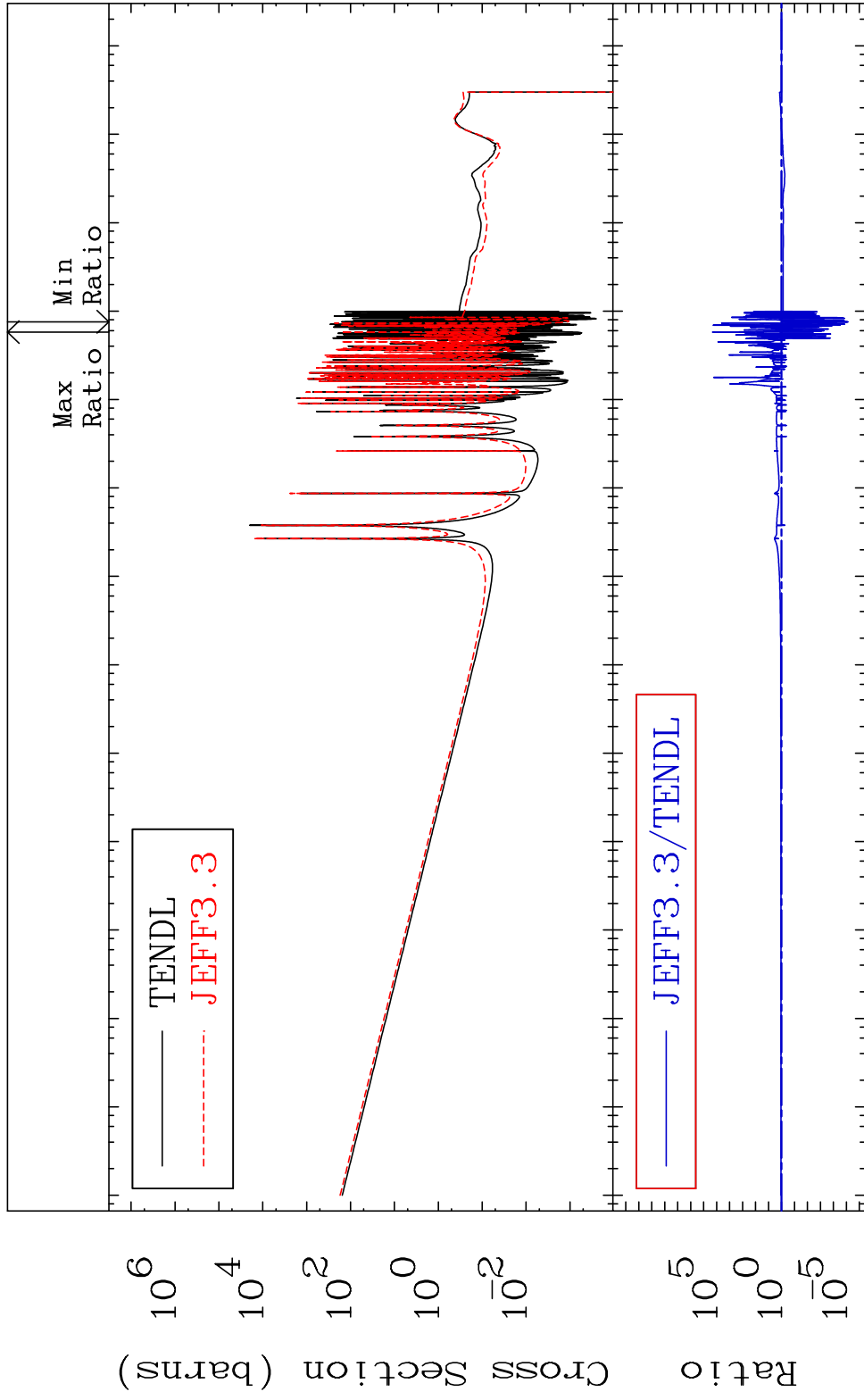
MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
 Cross Section -4.654 To 9999. %



MAT 3731

Kerma capture (mt102) 37-Rb-87

Cross Section -100.0 To 9999. %

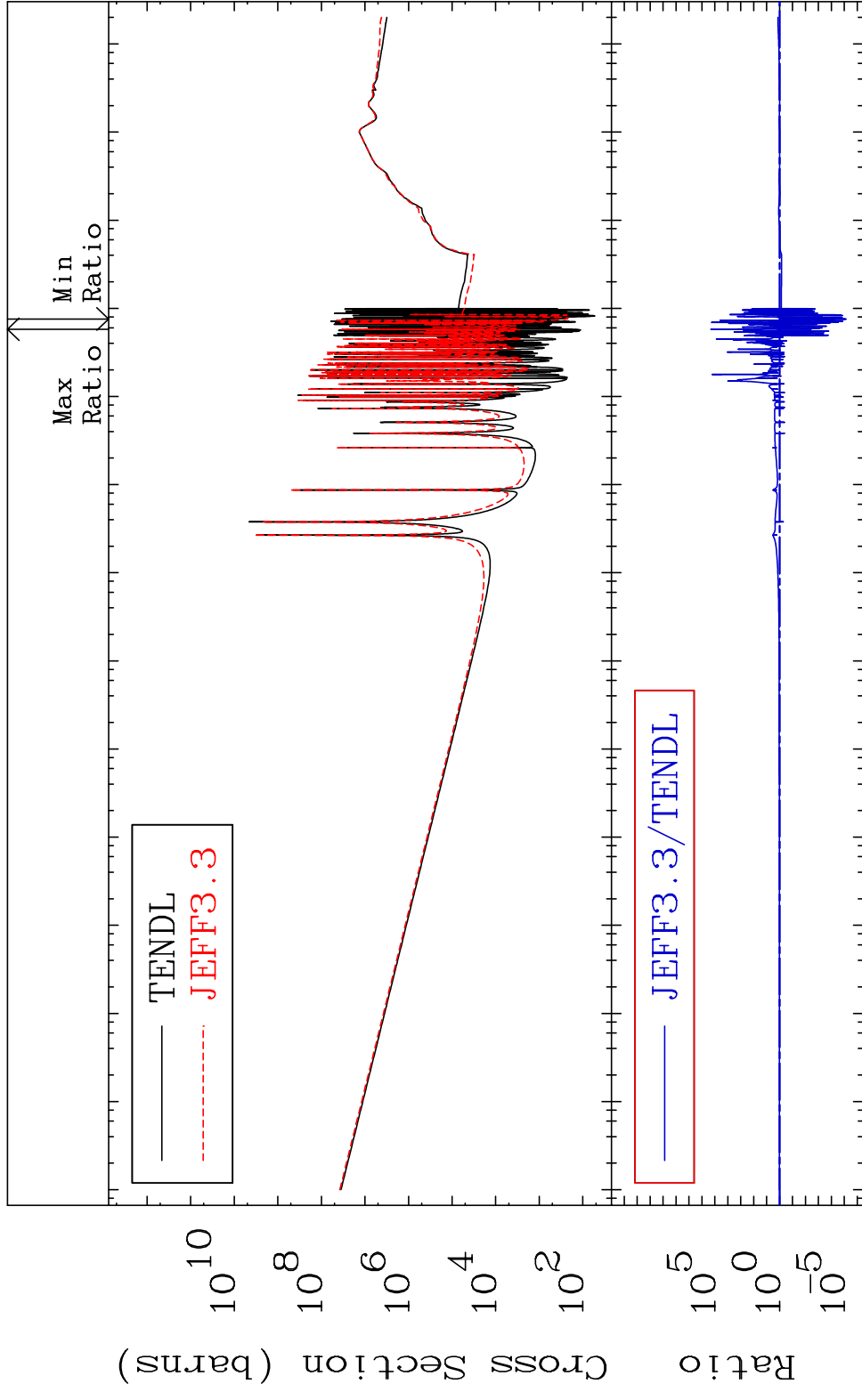


70

Incident Energy (eV)

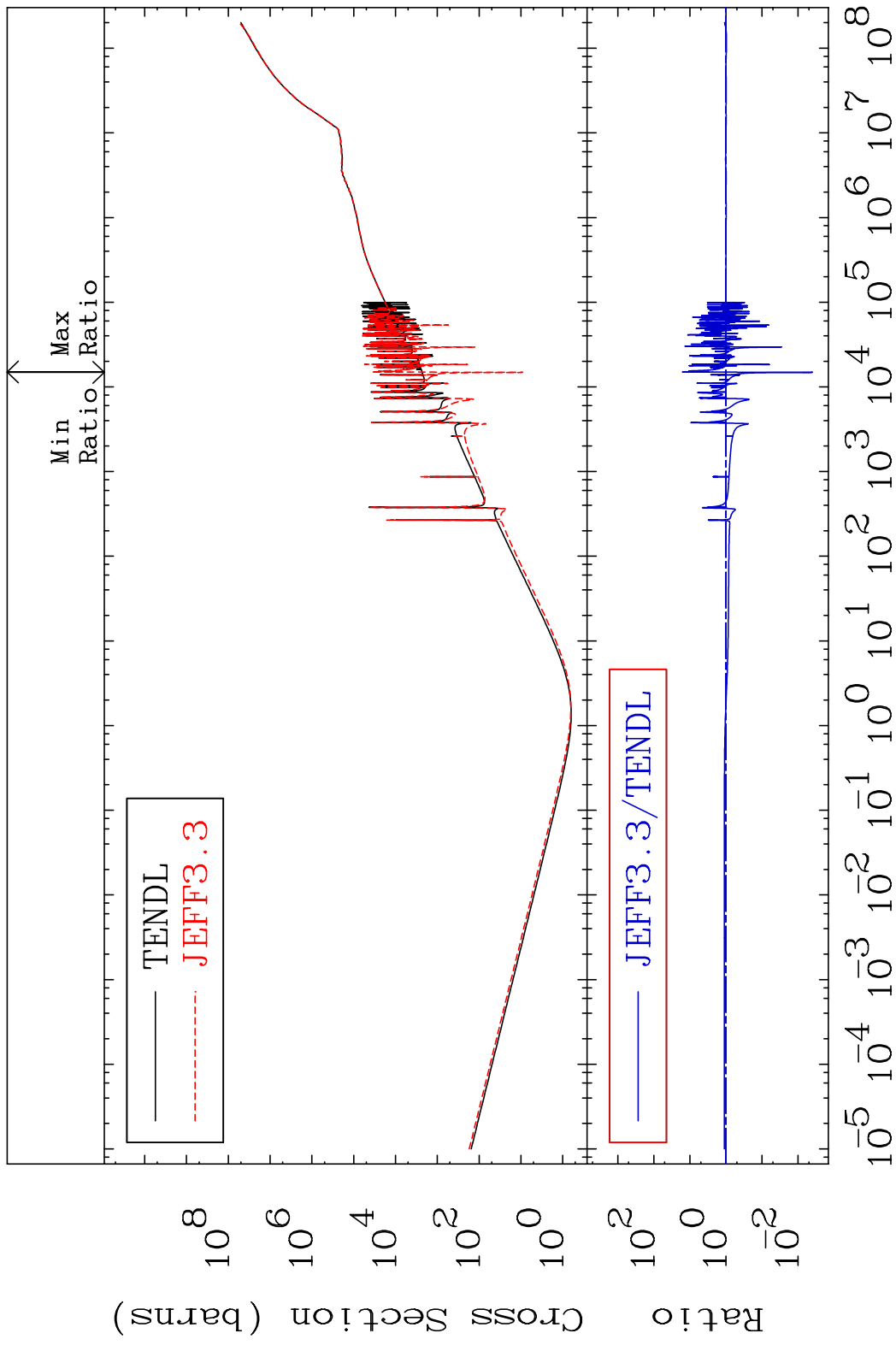
37-Rb-87

MAT 3731 Total photon (eV-barns) 37-Rb-87
 Cross Section -100.0 To 9999. %



71 Incident Energy (eV) 37-Rb-87

MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
 Cross Section -99.60 To 1520. %

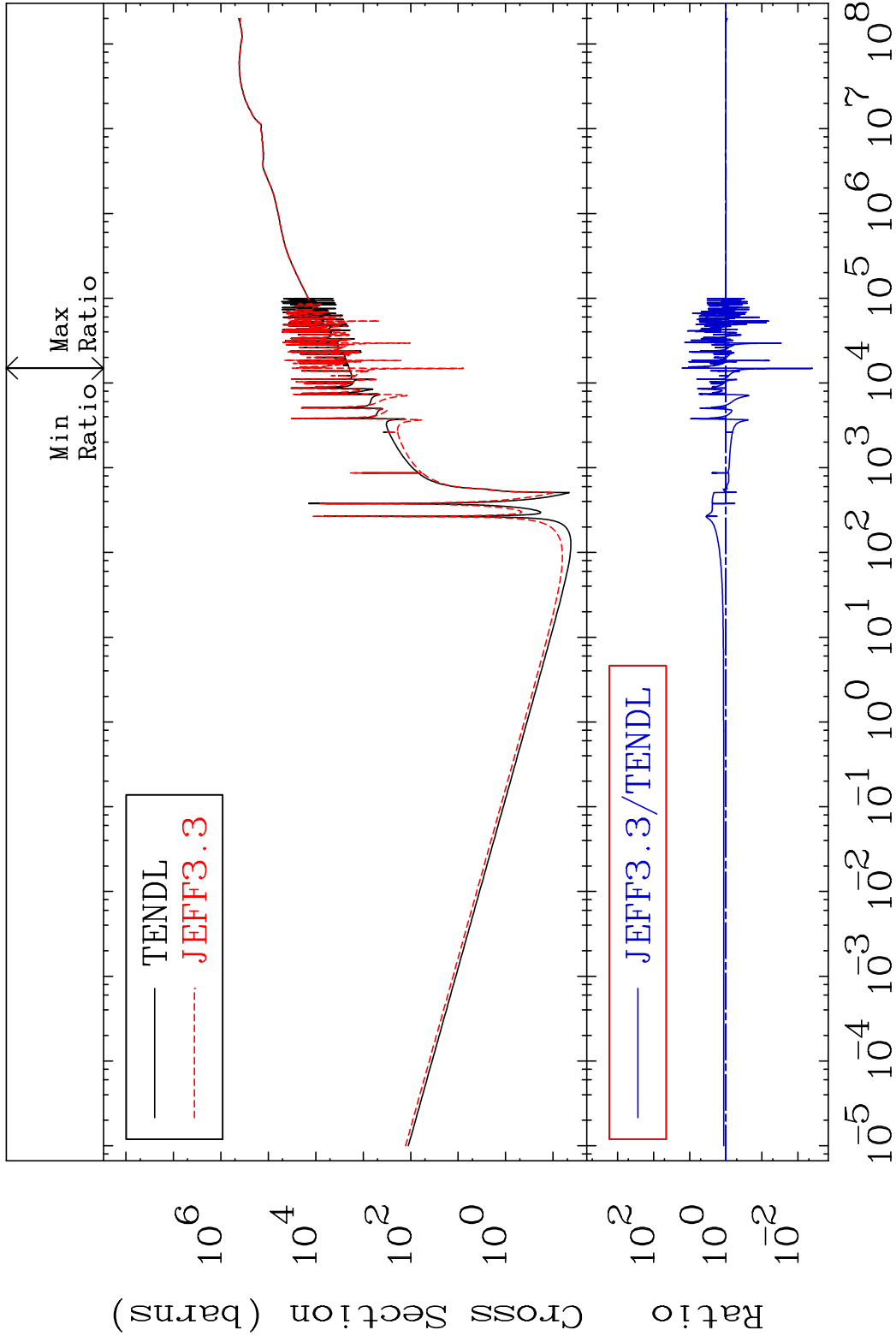


MAT 3731

Dpa total (eV-barns)

37-Rb-87

Cross Section -99.61 To 1520. %



73

Incident Energy (eV)

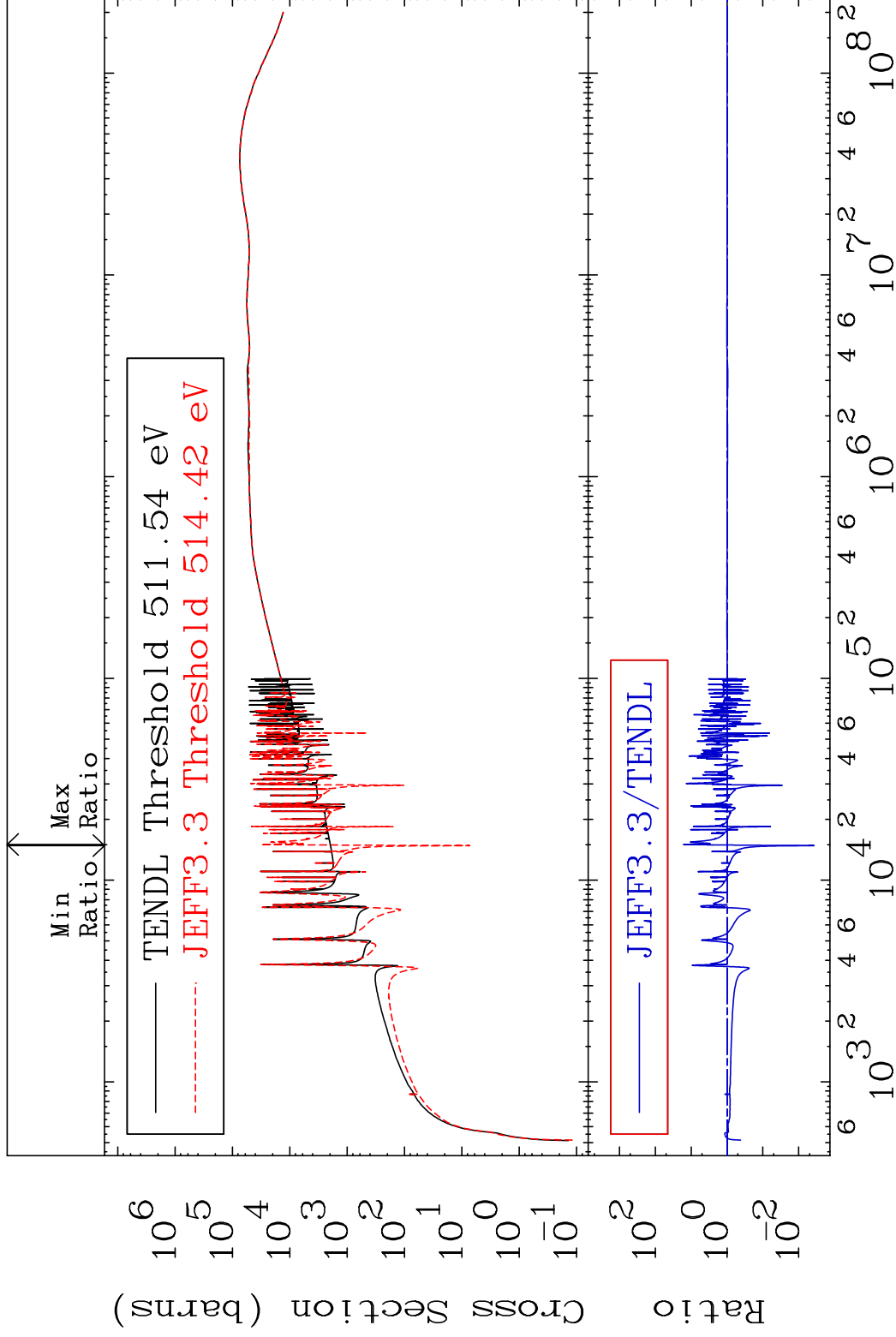
37-Rb-87

MAT 3731

Dpa elastic (mt2)

37-Rb-87

Cross Section -99.63 To 1519. %

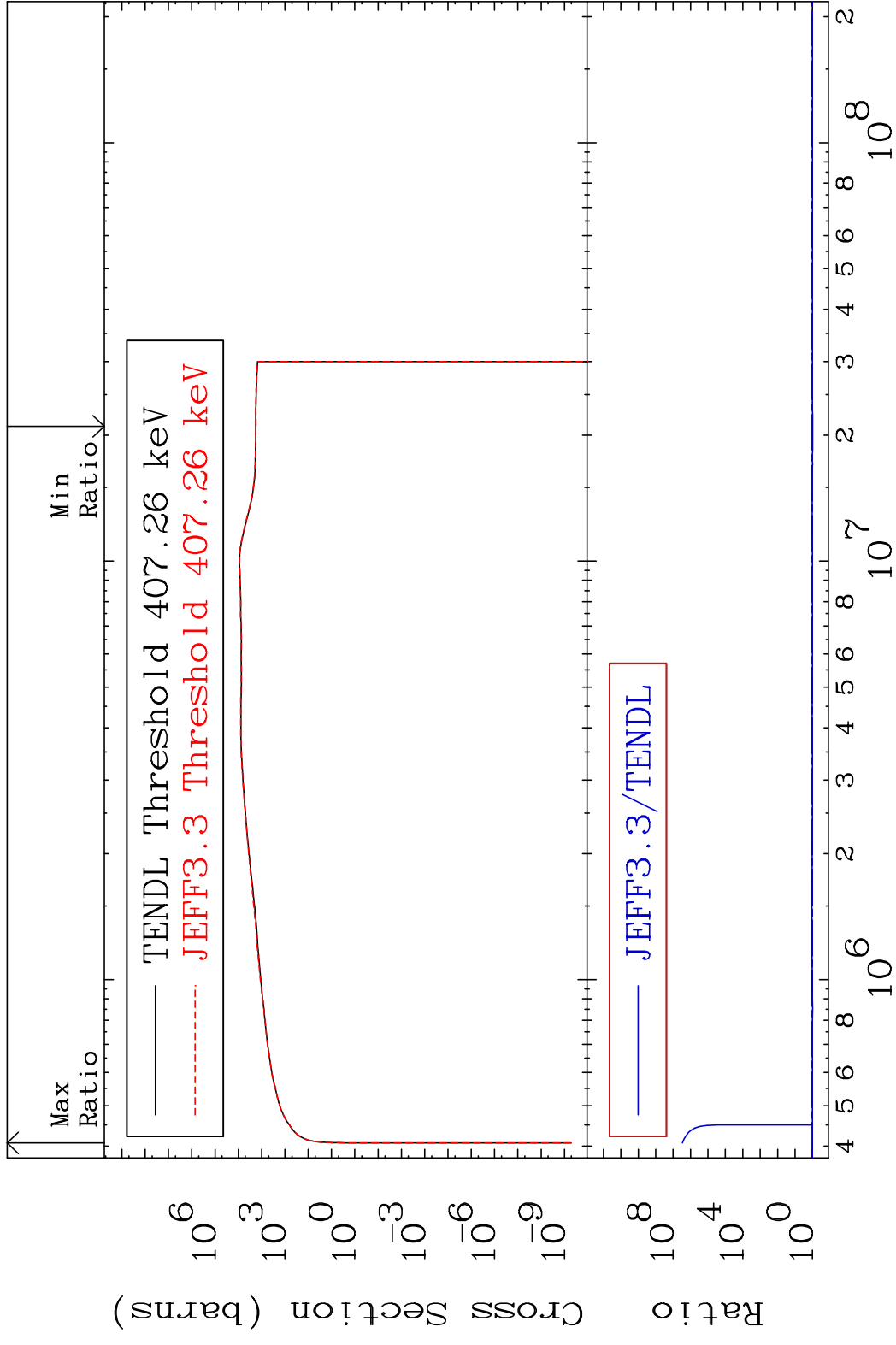


74

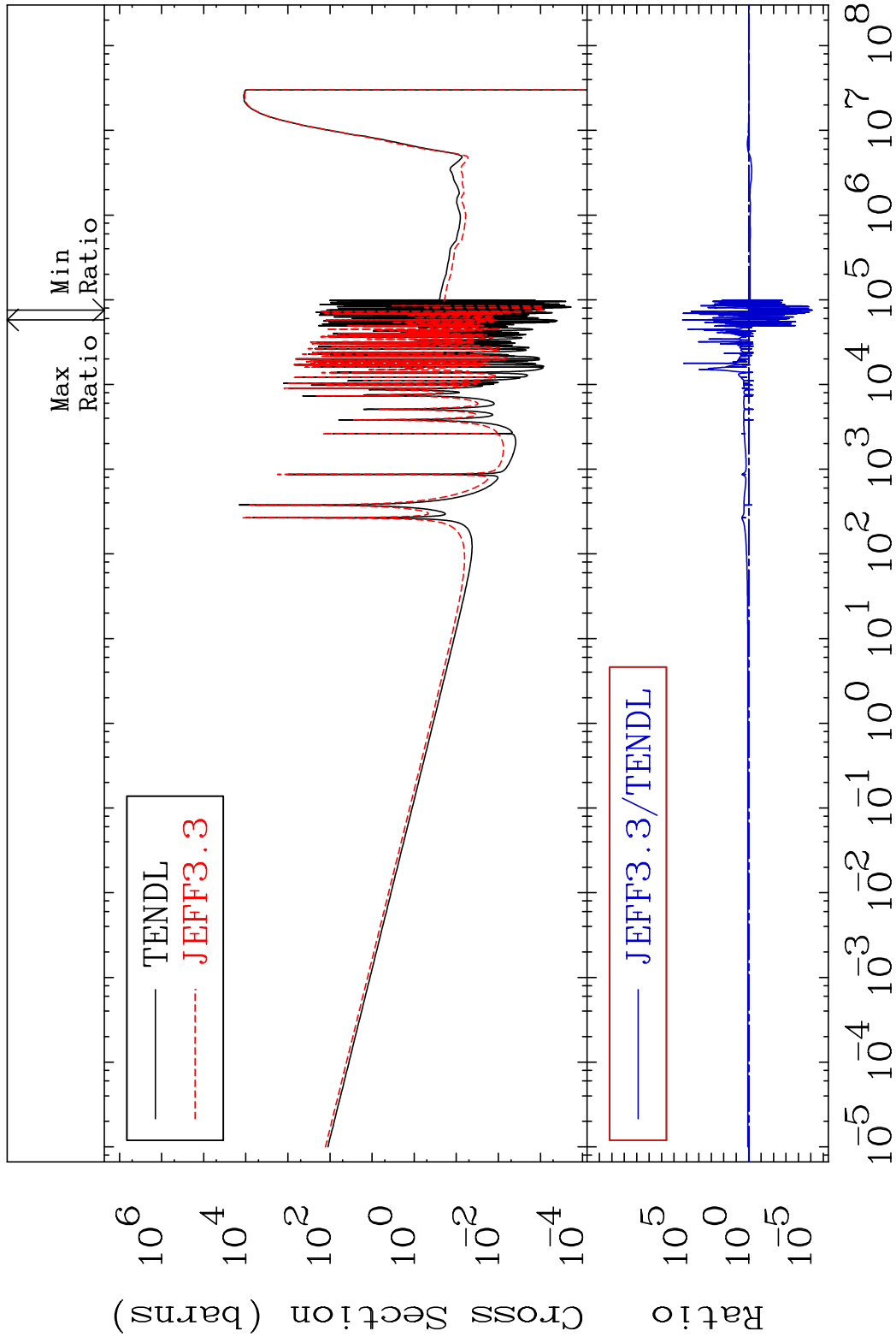
Incident Energy (eV)

37-Rb-87

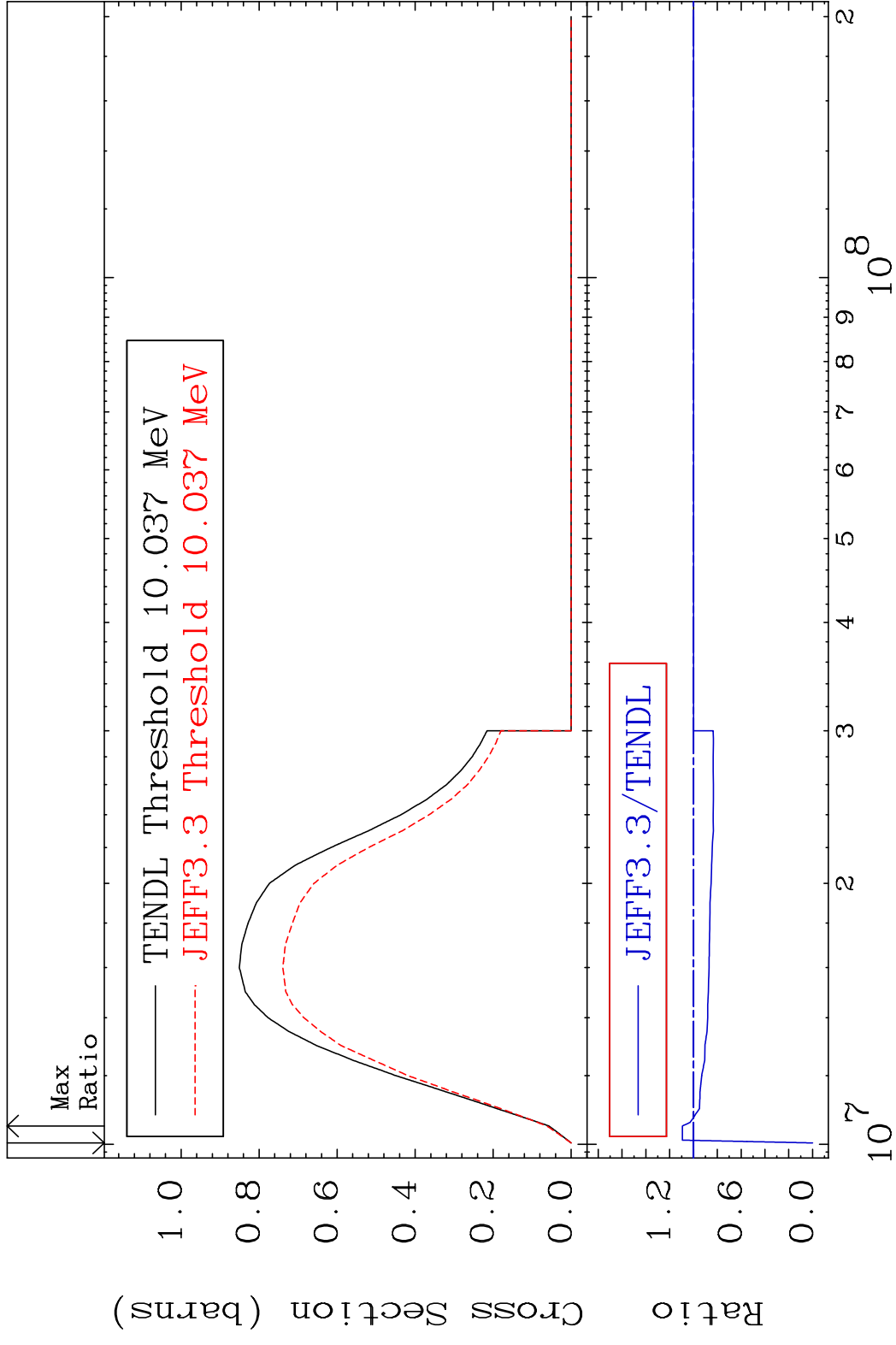
MAT 3731 Dpa inelastic (mt51-91) 37-Rb-87
 Cross Section -1.381 To 9999. %



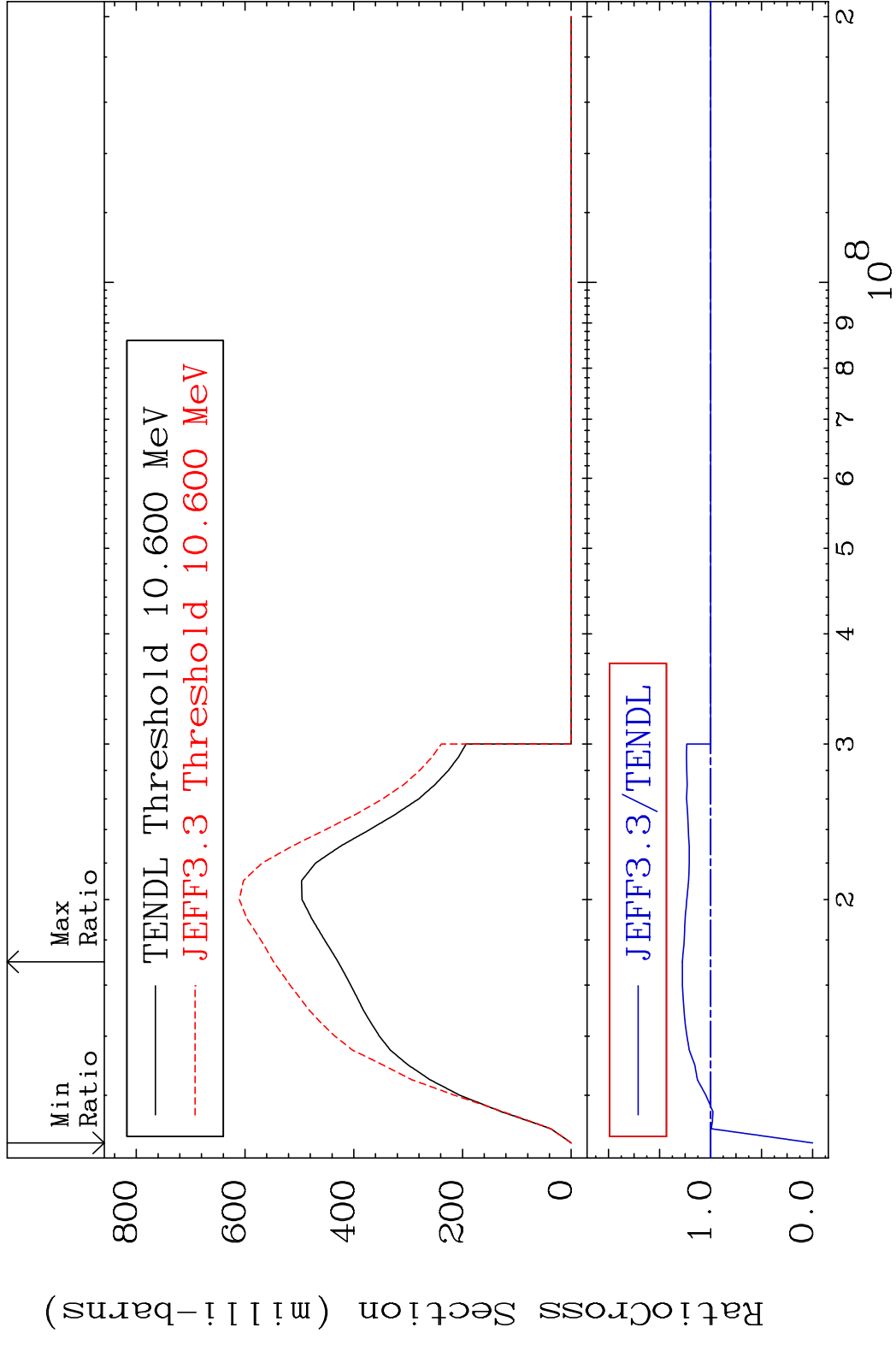
MAT 3731 Dpa disappearance (mt102 -120) 37-Rb-87
 Cross Section -100.0 To 9999. %



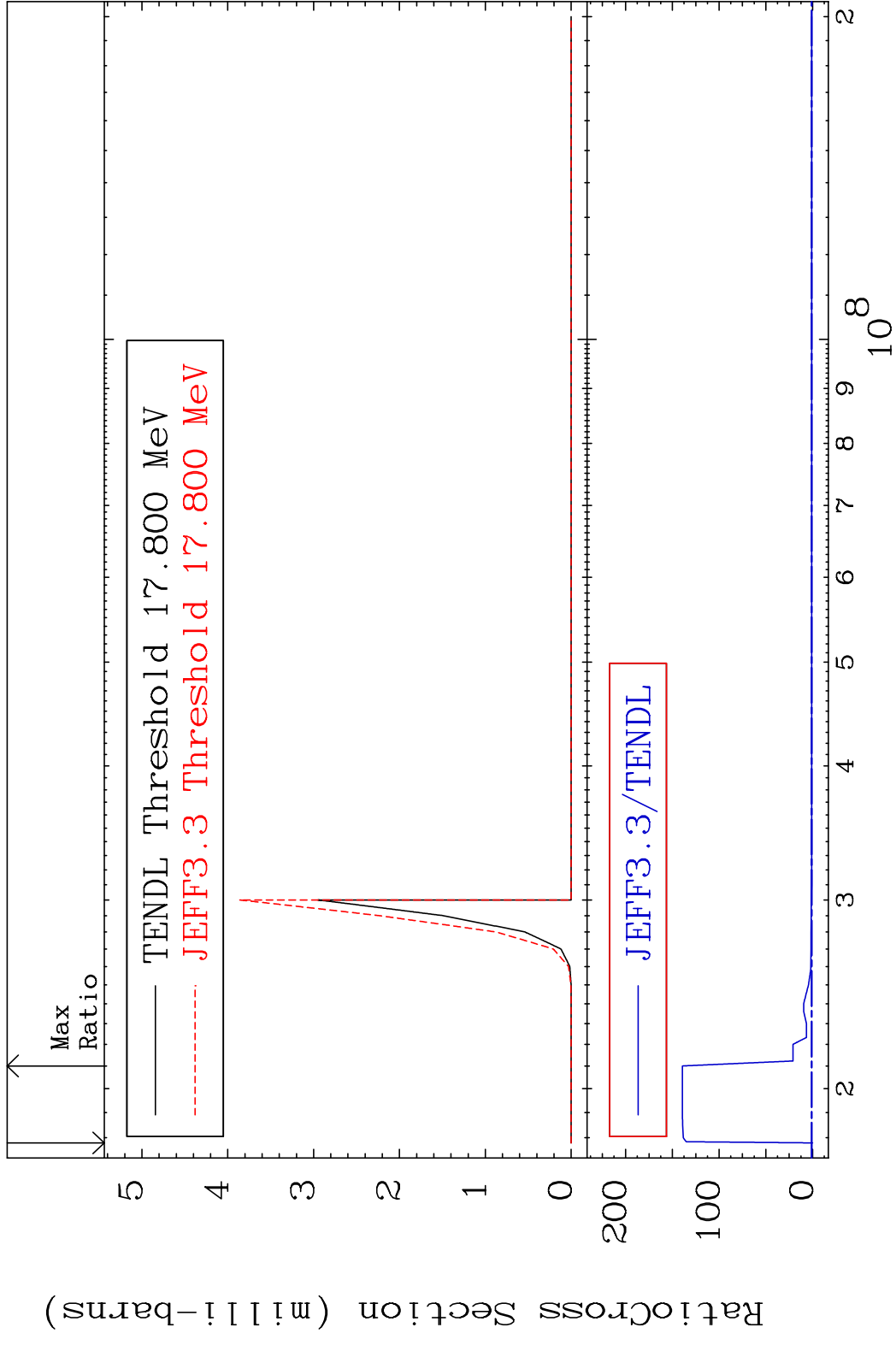
MAT 3731 (n,2n):37-Rb-86g 37-Rb-87
 Radionuclide Production Cross Section Ratio 9.364 %



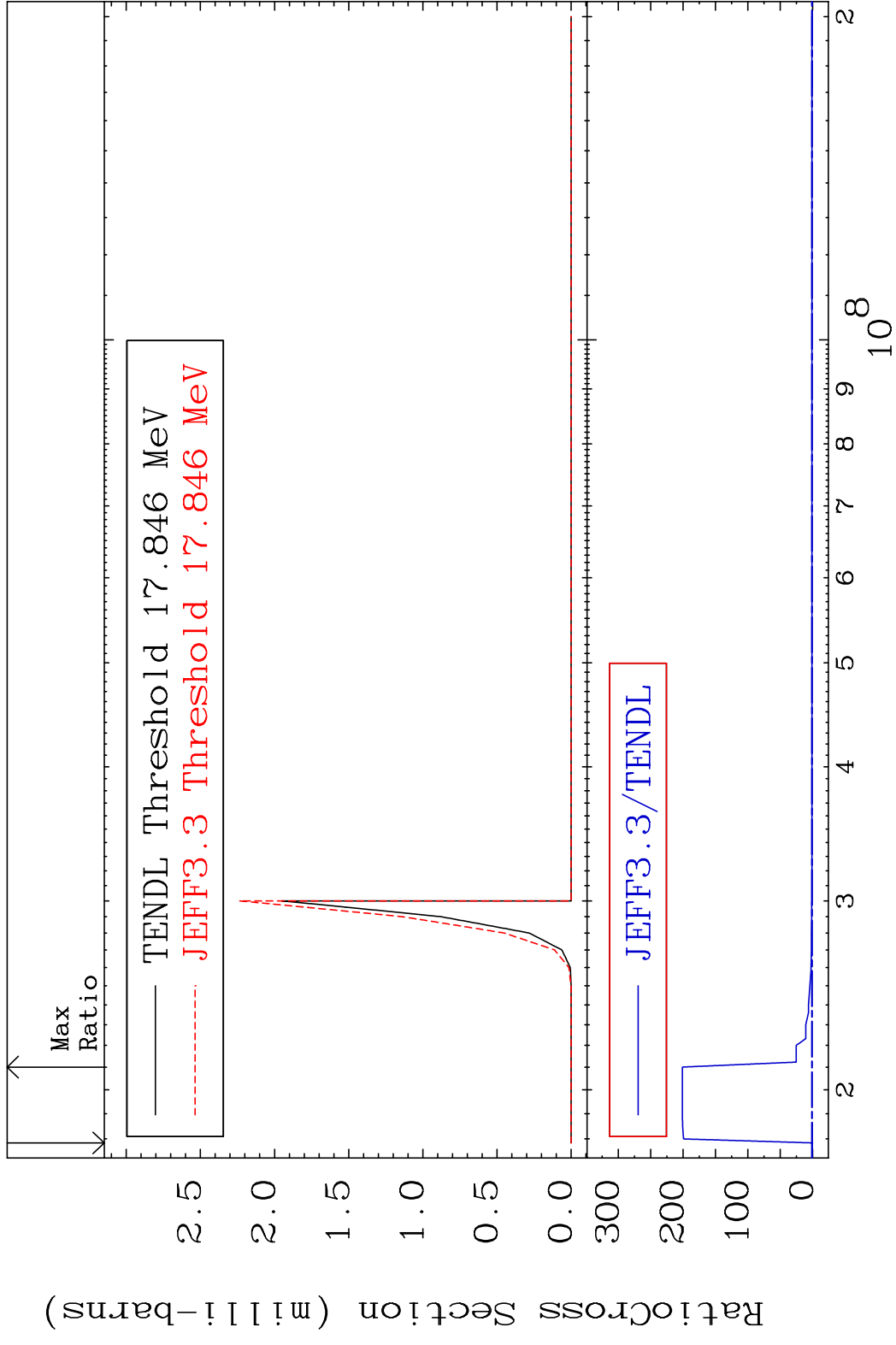
MAT 3731 (n,2n):37-Rb-86m2 37-Rb-87
 Radionuclide Production Cross Section Ratio 27.66 %

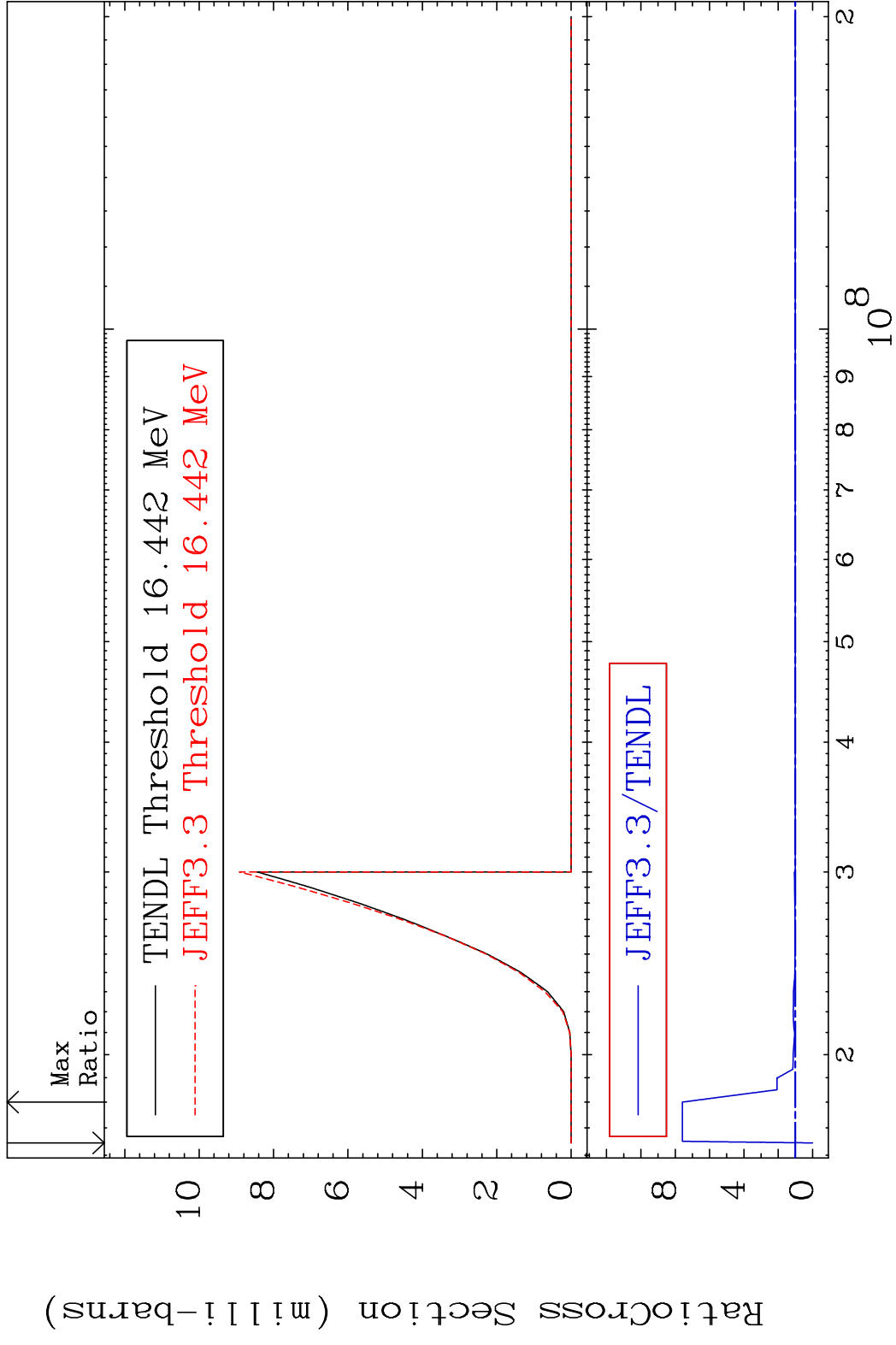


MAT 3731 (n,2n) α :35-Br-82g 37-Rb-87
 Radionuclide Production Cross Section 100.00 to 9999.00 %

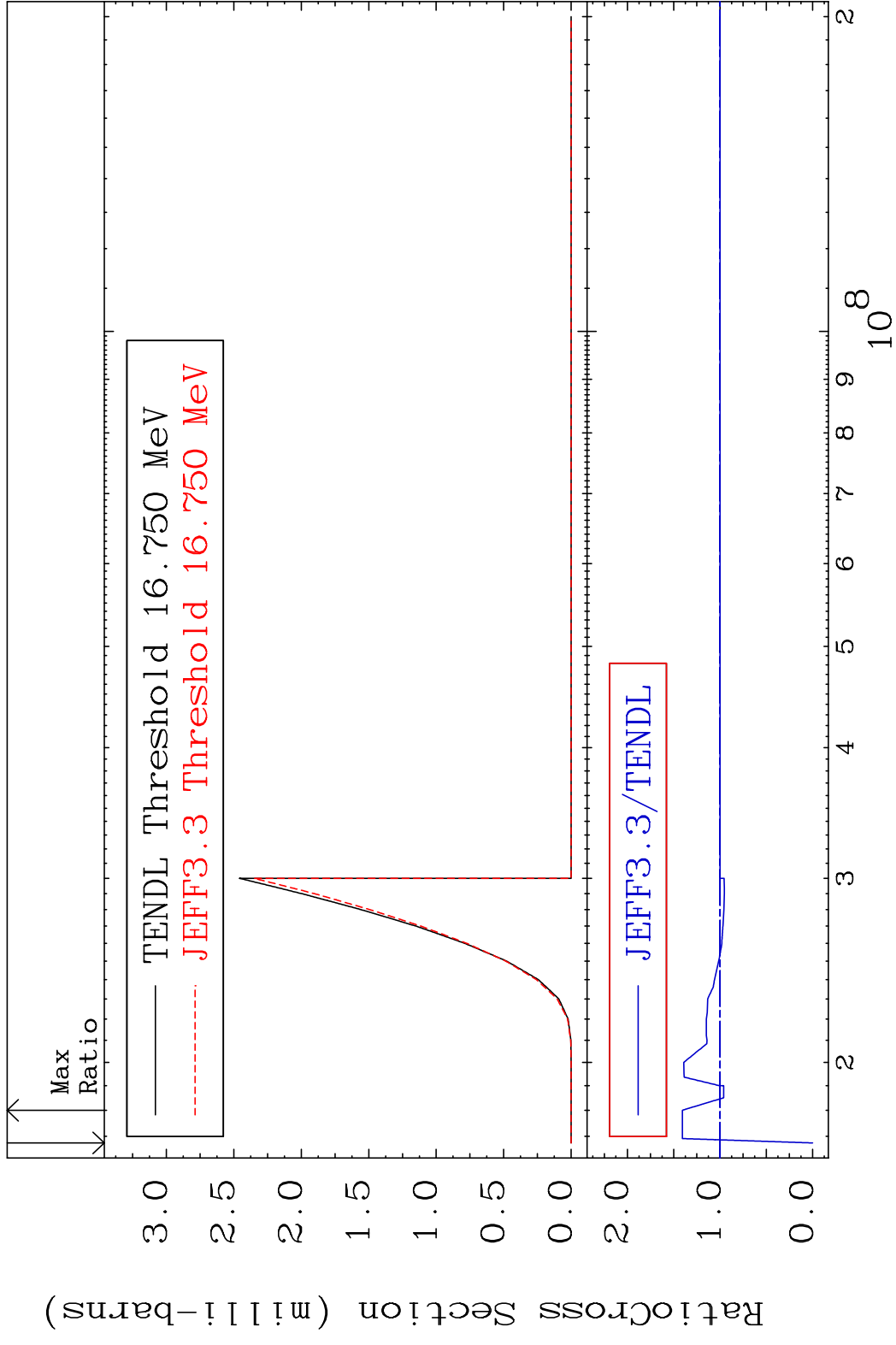


MAT 3731 (n,2n) α :35-Br-82m1 37-Rb-87
 Radionuclide Production Cross Section 18000 dno 9999. %

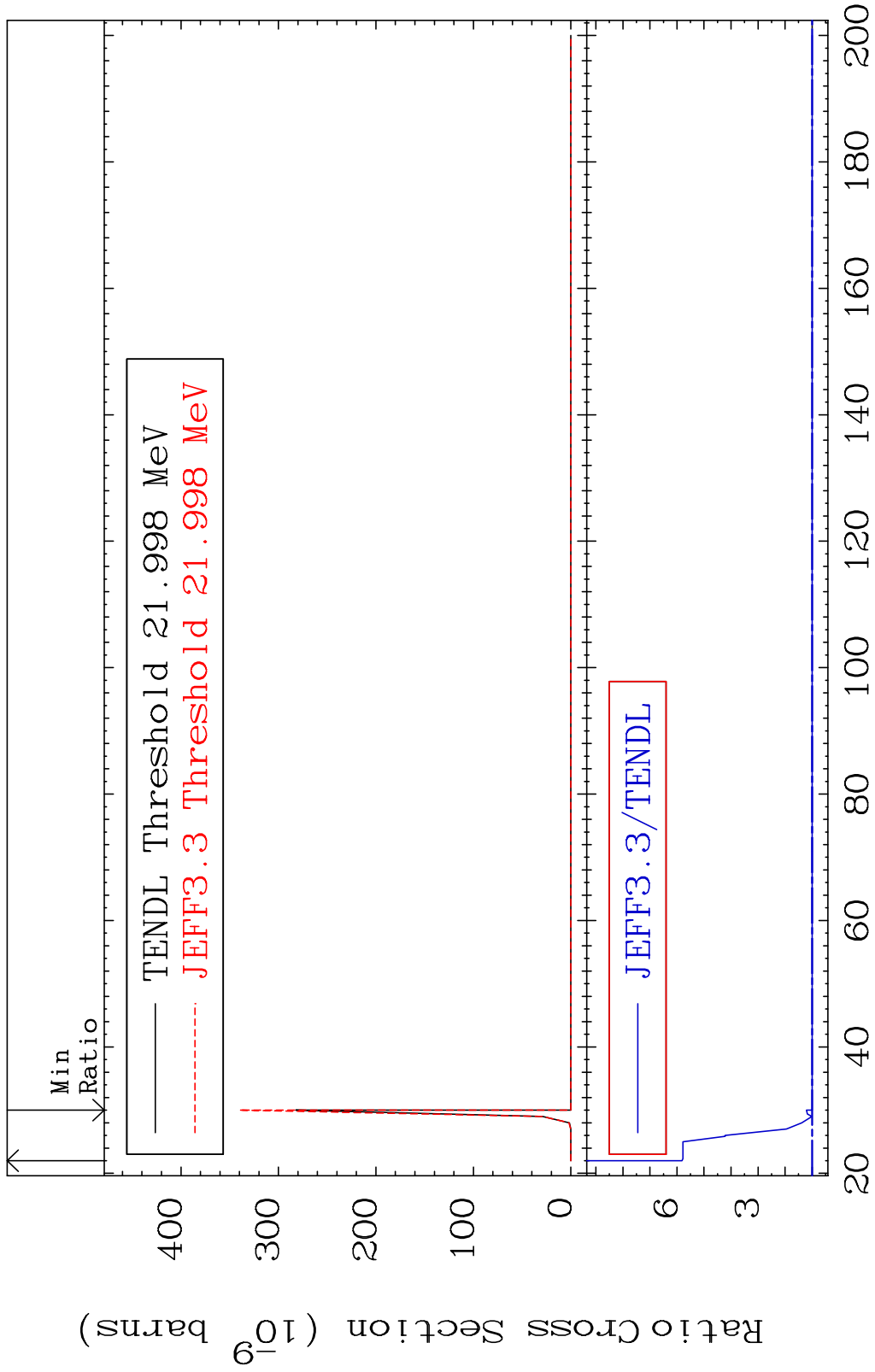


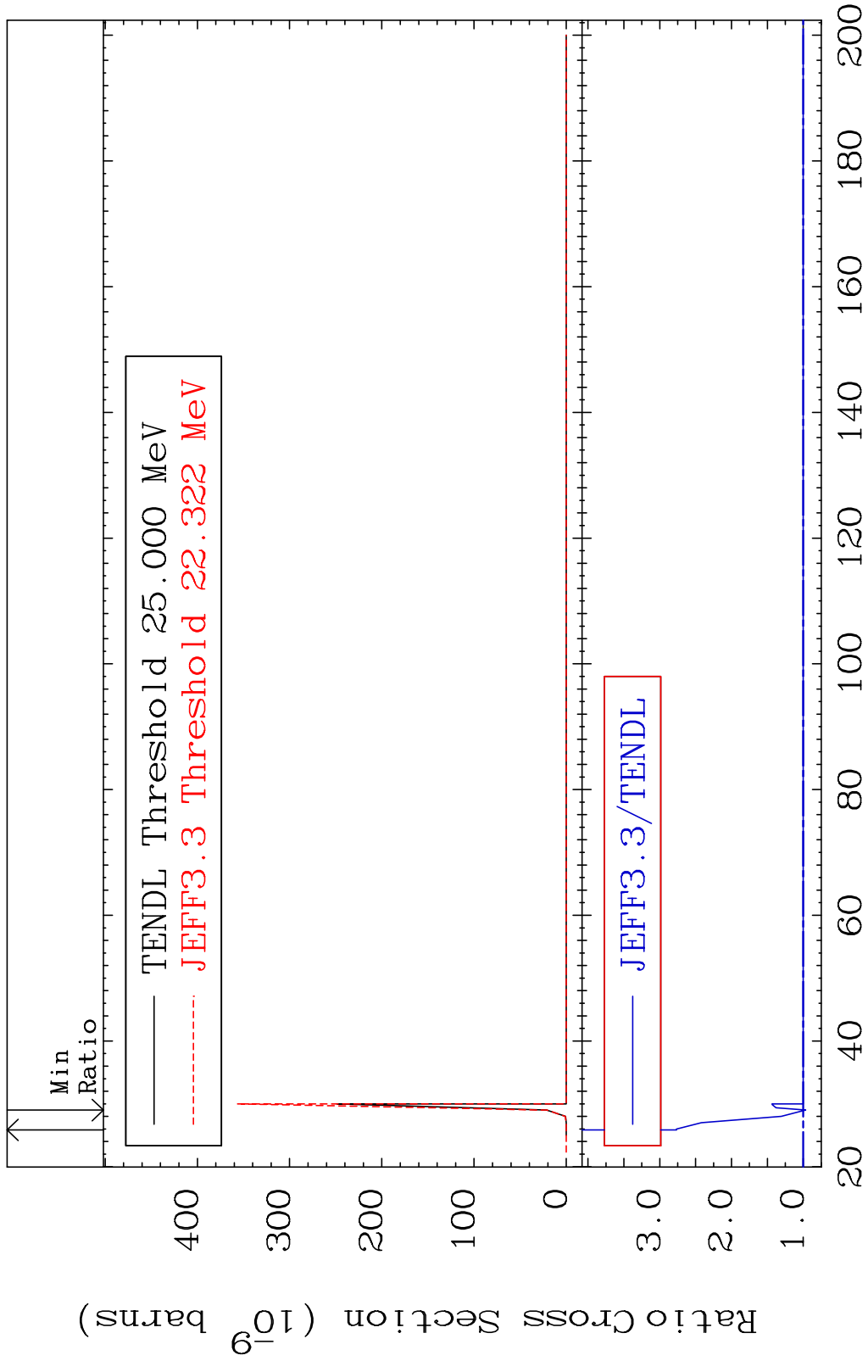


MAT 3731 (n, n') d:36-Kr-85m1 37-Rb-87
 Radionuclide Production Cross Section 180.01 dth 40.66 %

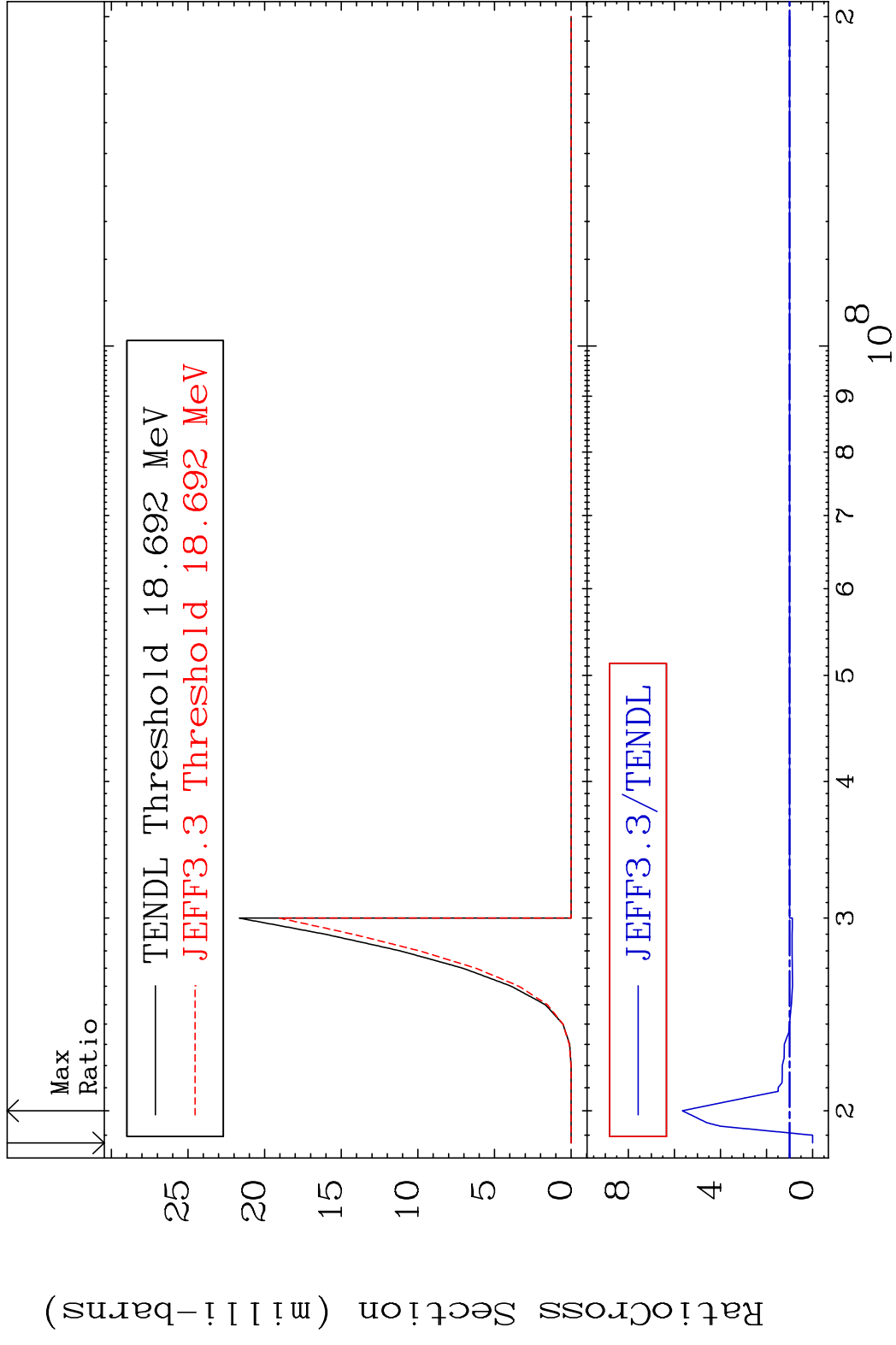


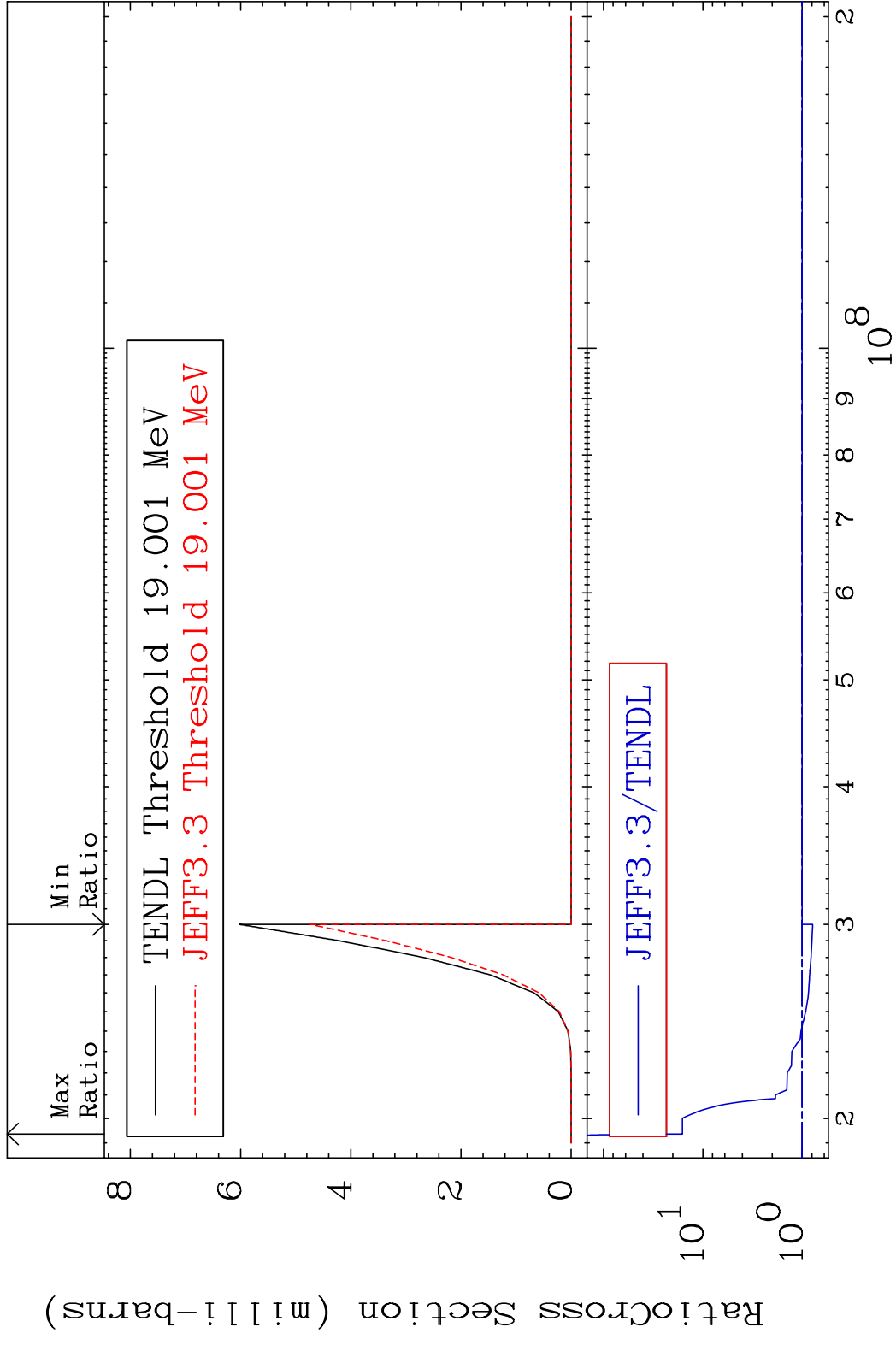
MAT 3731 (n, n') He-3:35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section 481.5 %



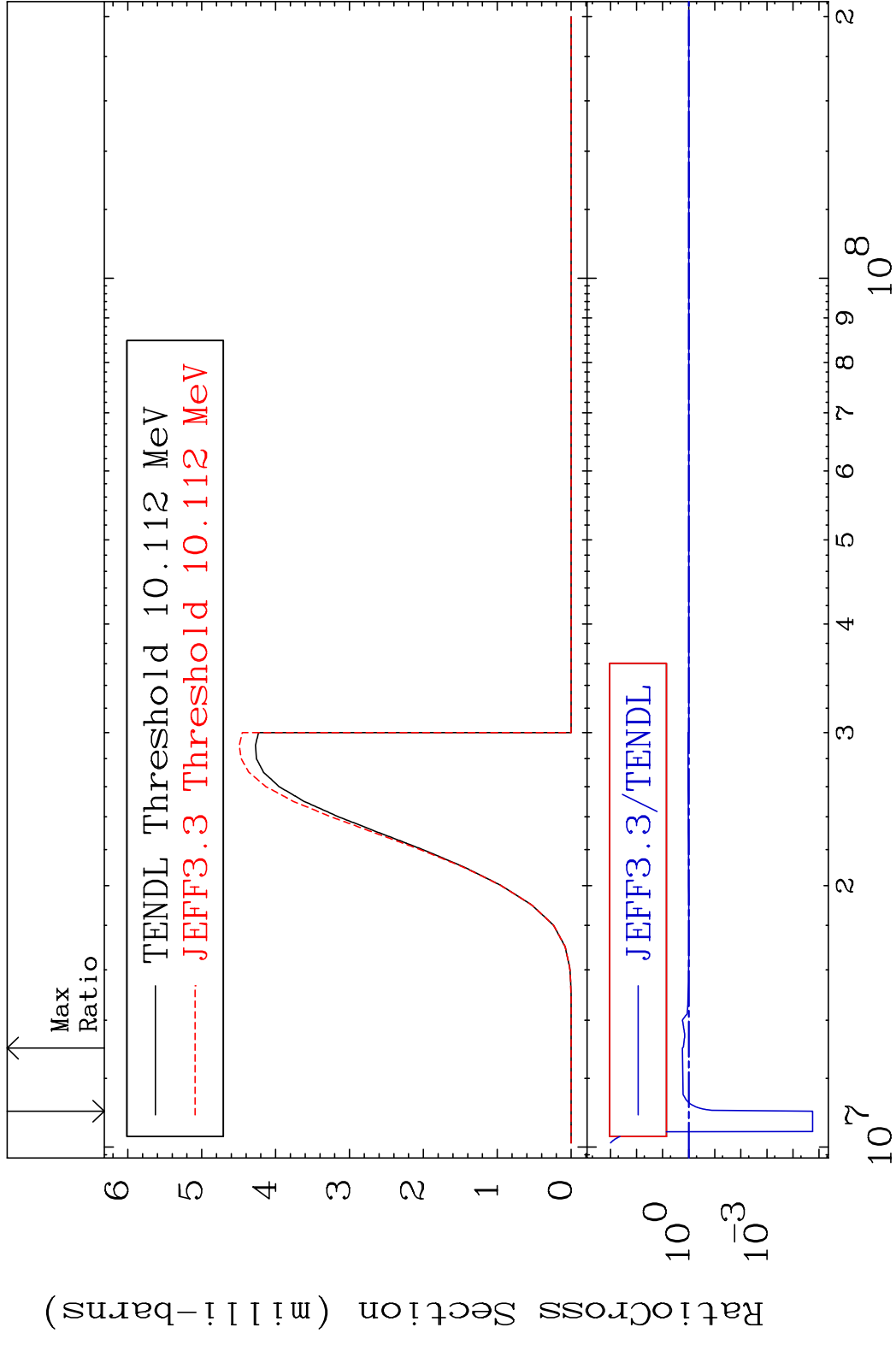


MAT 3731 (n,2n) p:36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section Ratio 465.2 %



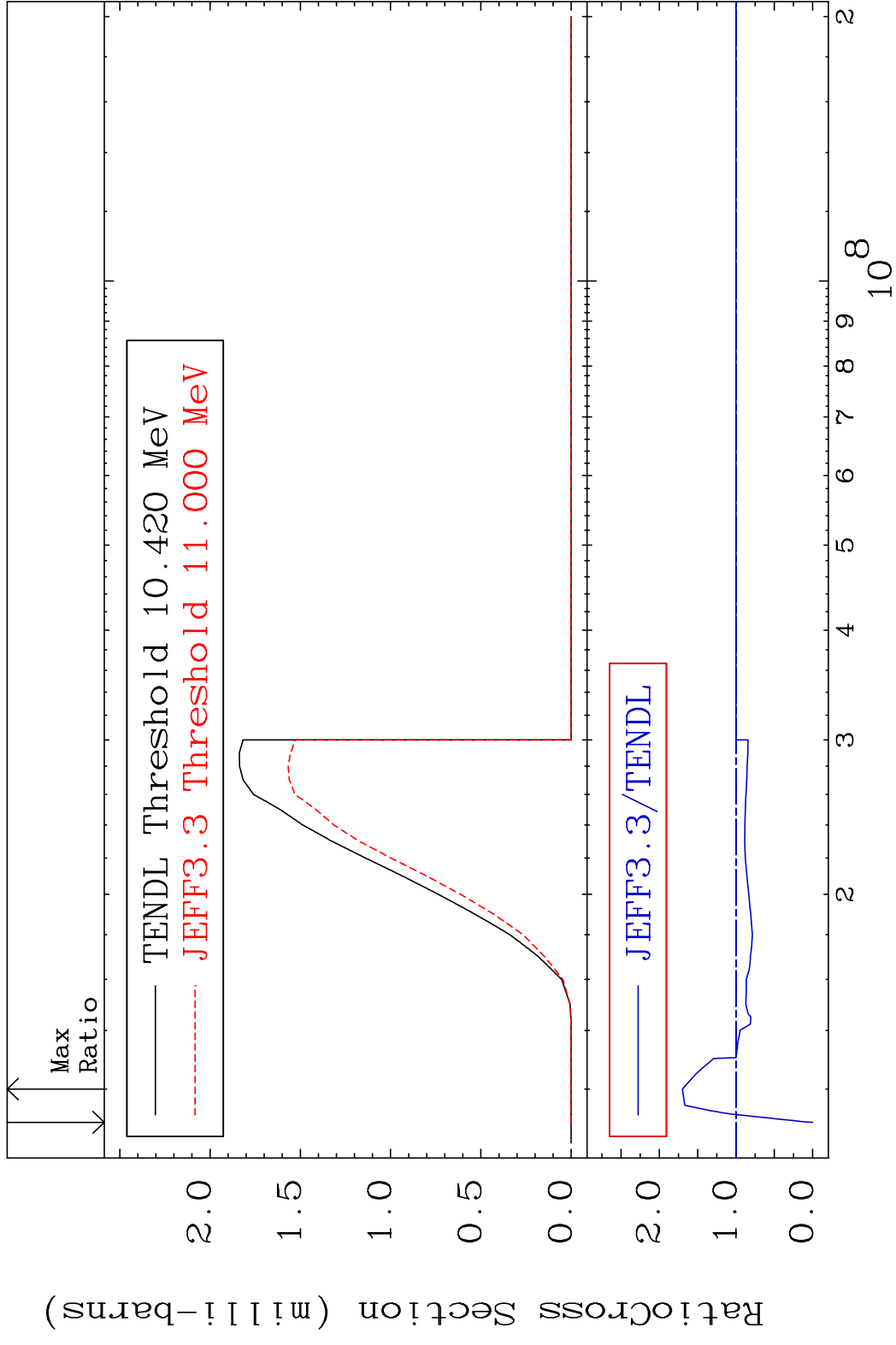


MAT 3731 (n, t):36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section 180.01 dth 74.95 %

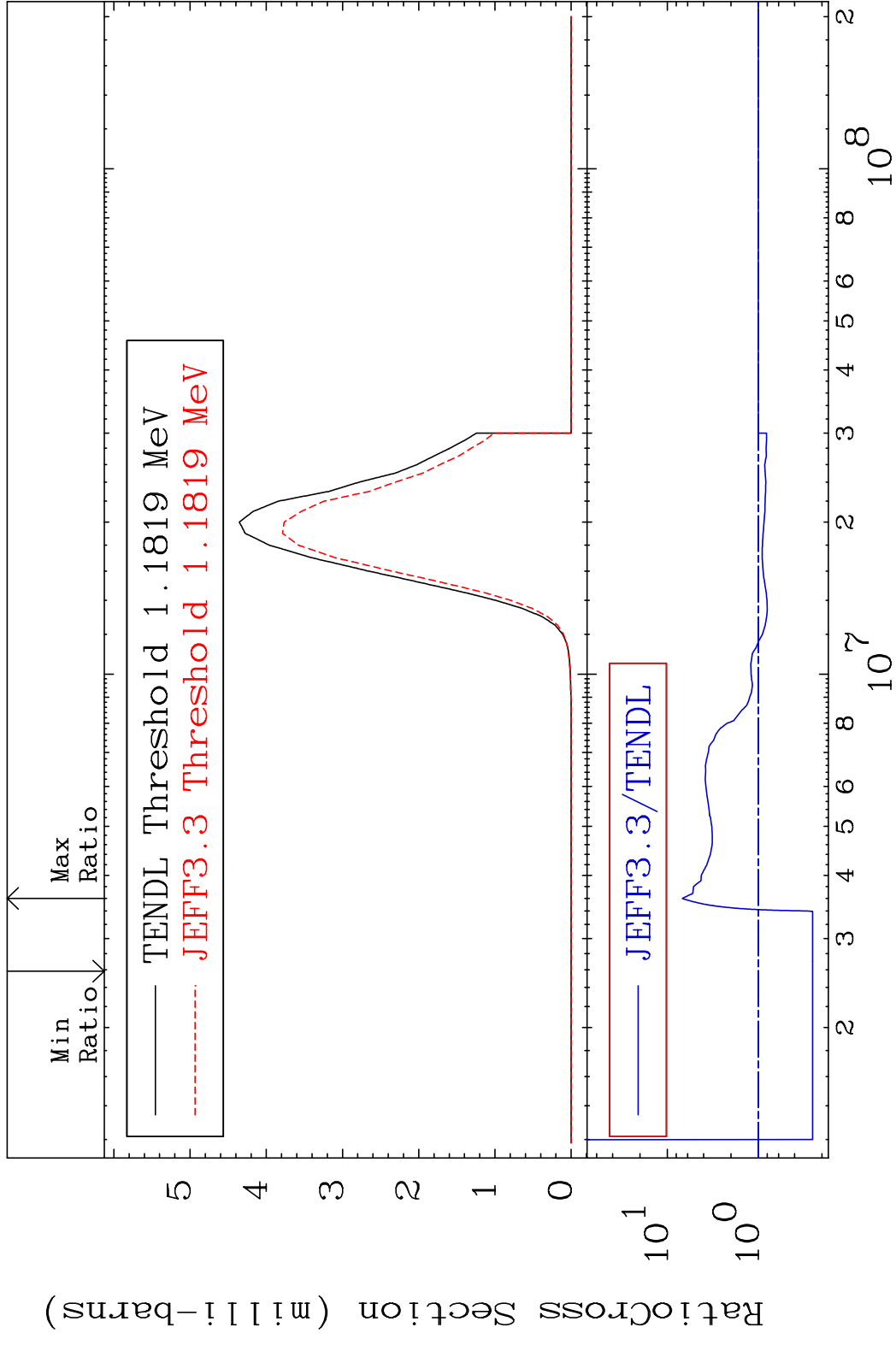


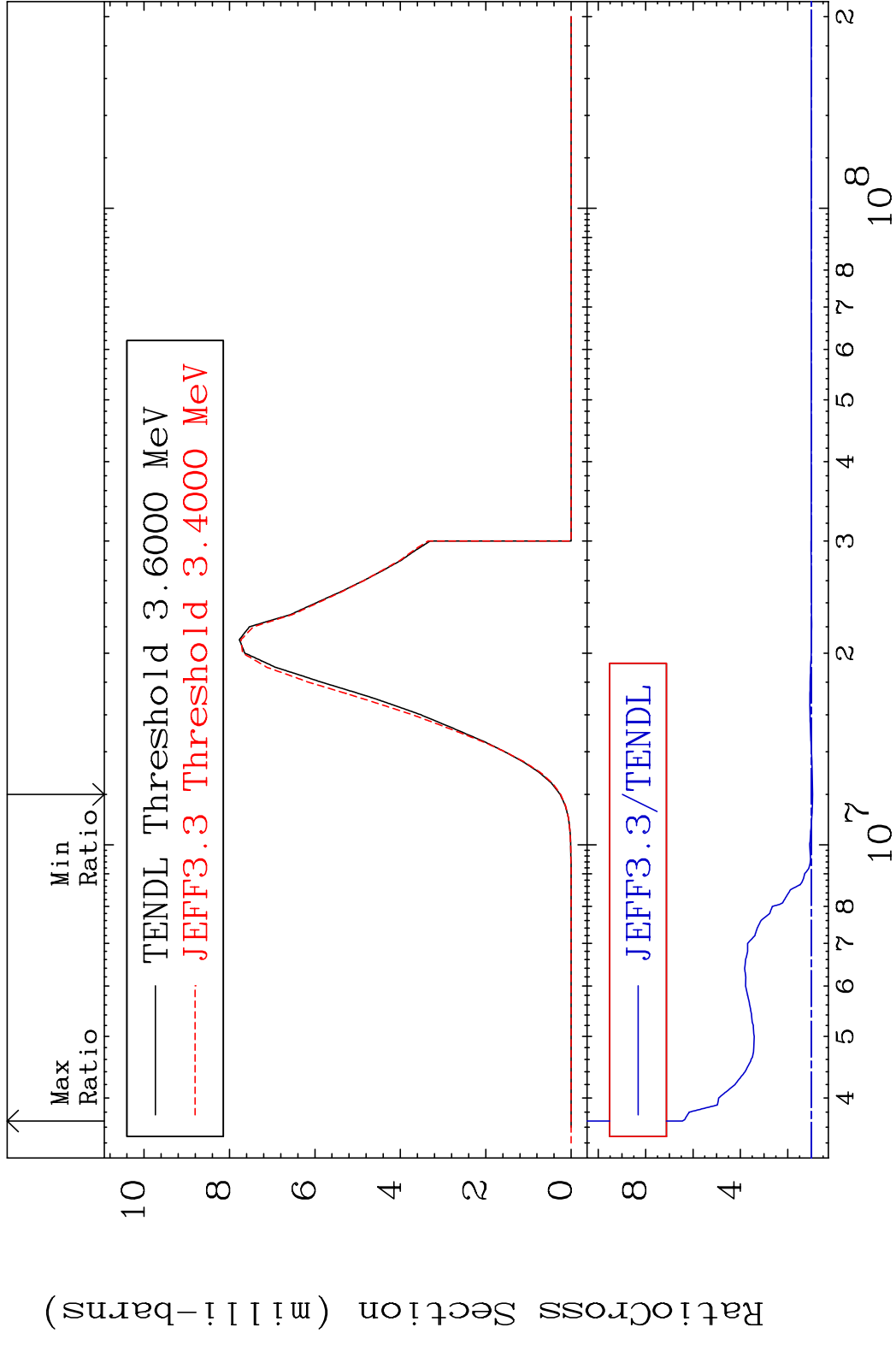
87 Incident Energy (eV) 37-Rb-87

MAT 3731 (n, t):36-Kr-85m1 37-Rb-87
 Radionuclide Production Cross Section 69.96 %

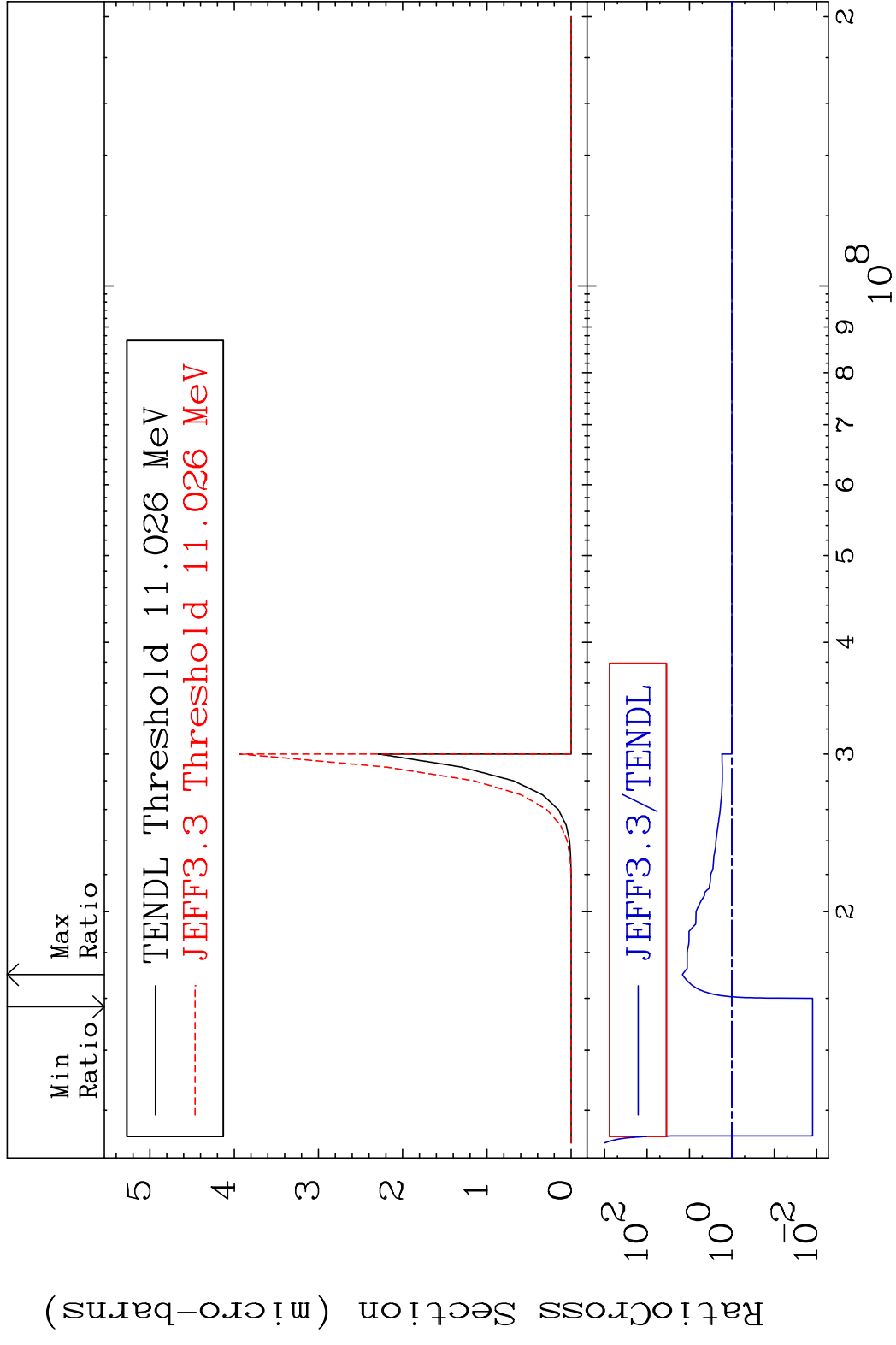


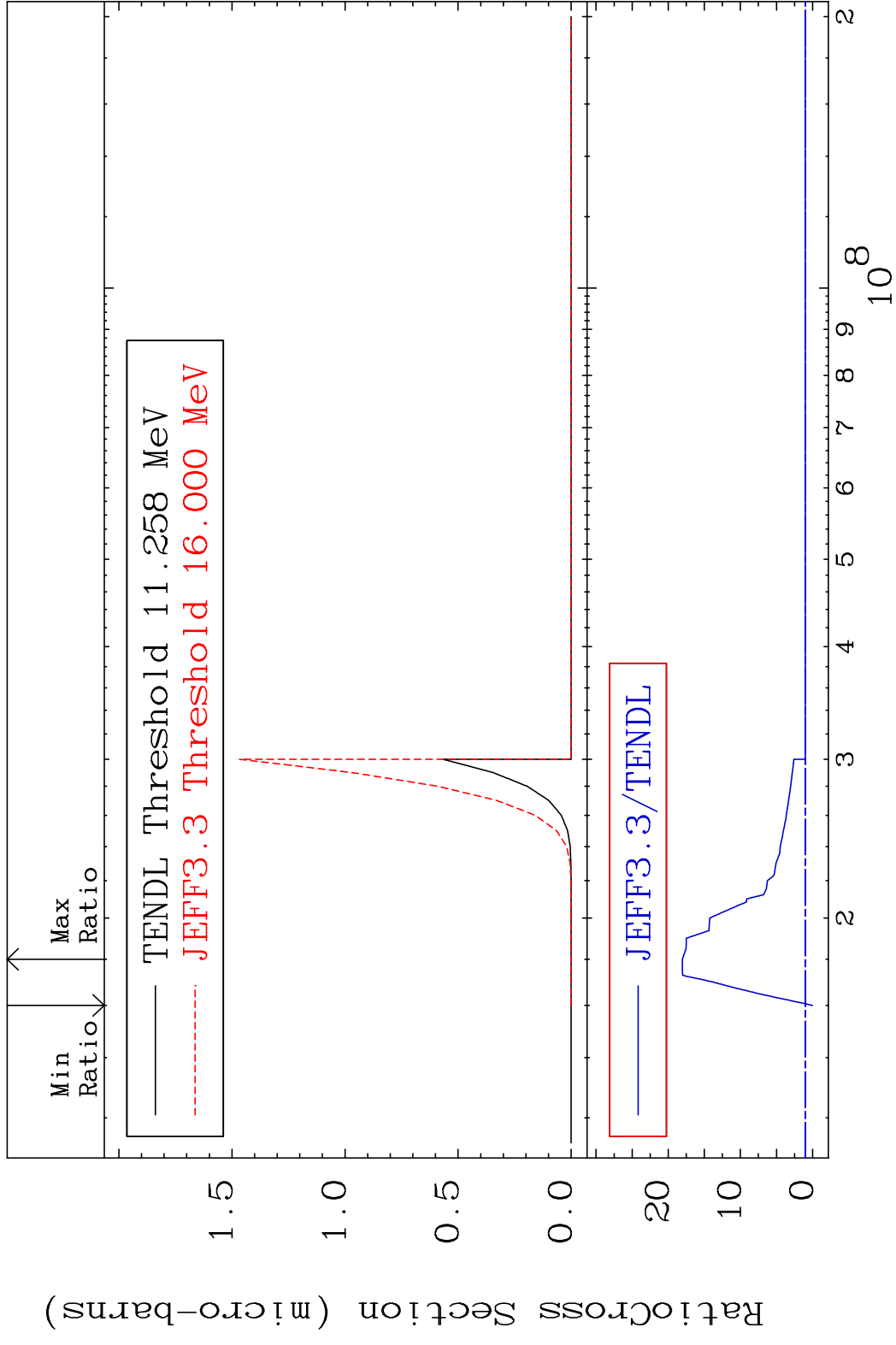
MAT 3731 (n, α): 35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section 584.2 %



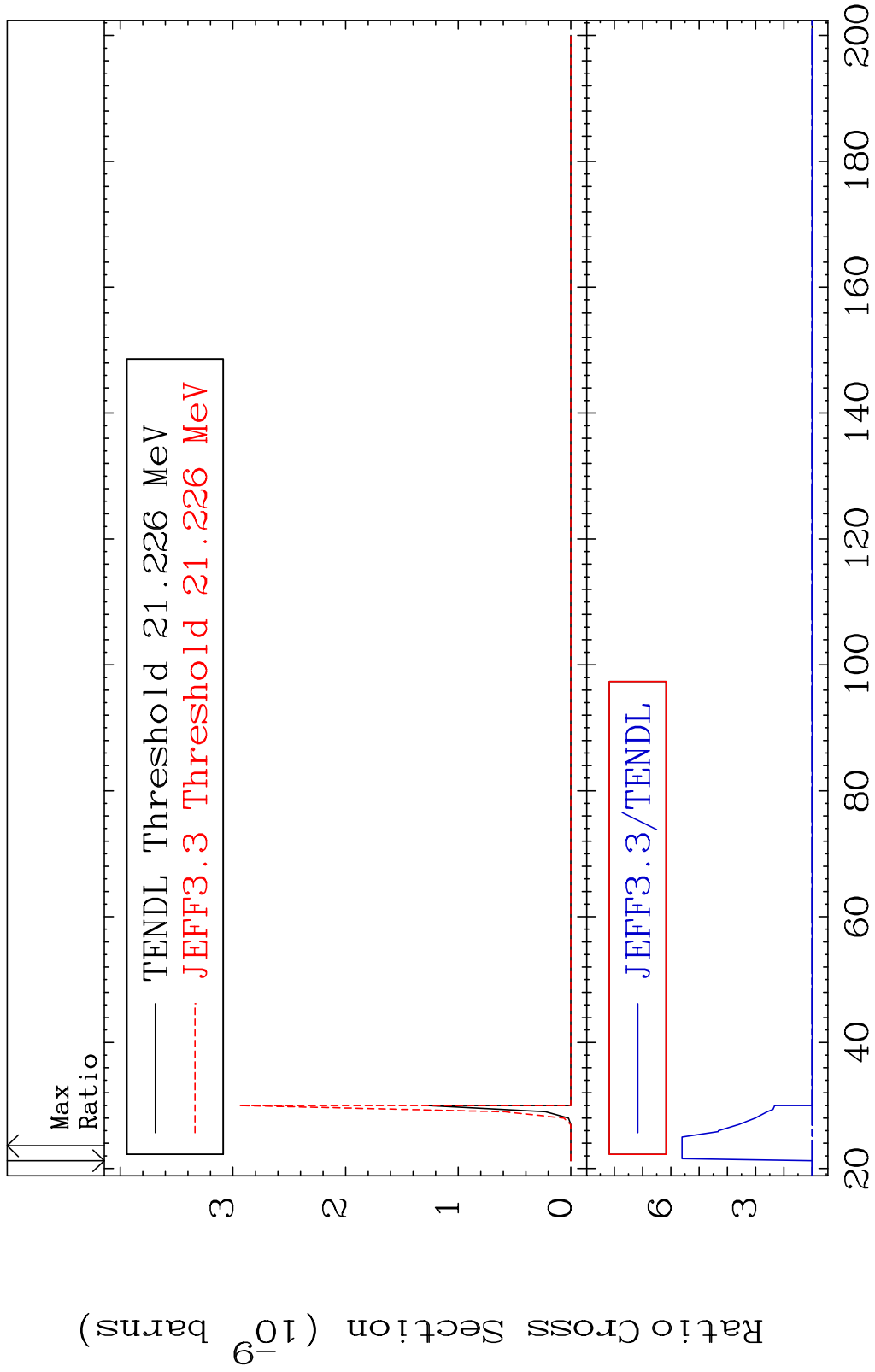


MAT 3731 (n, p) α :34-Se-83g 37-Rb-87
 Radionuclide Production Cross Section 1374. %

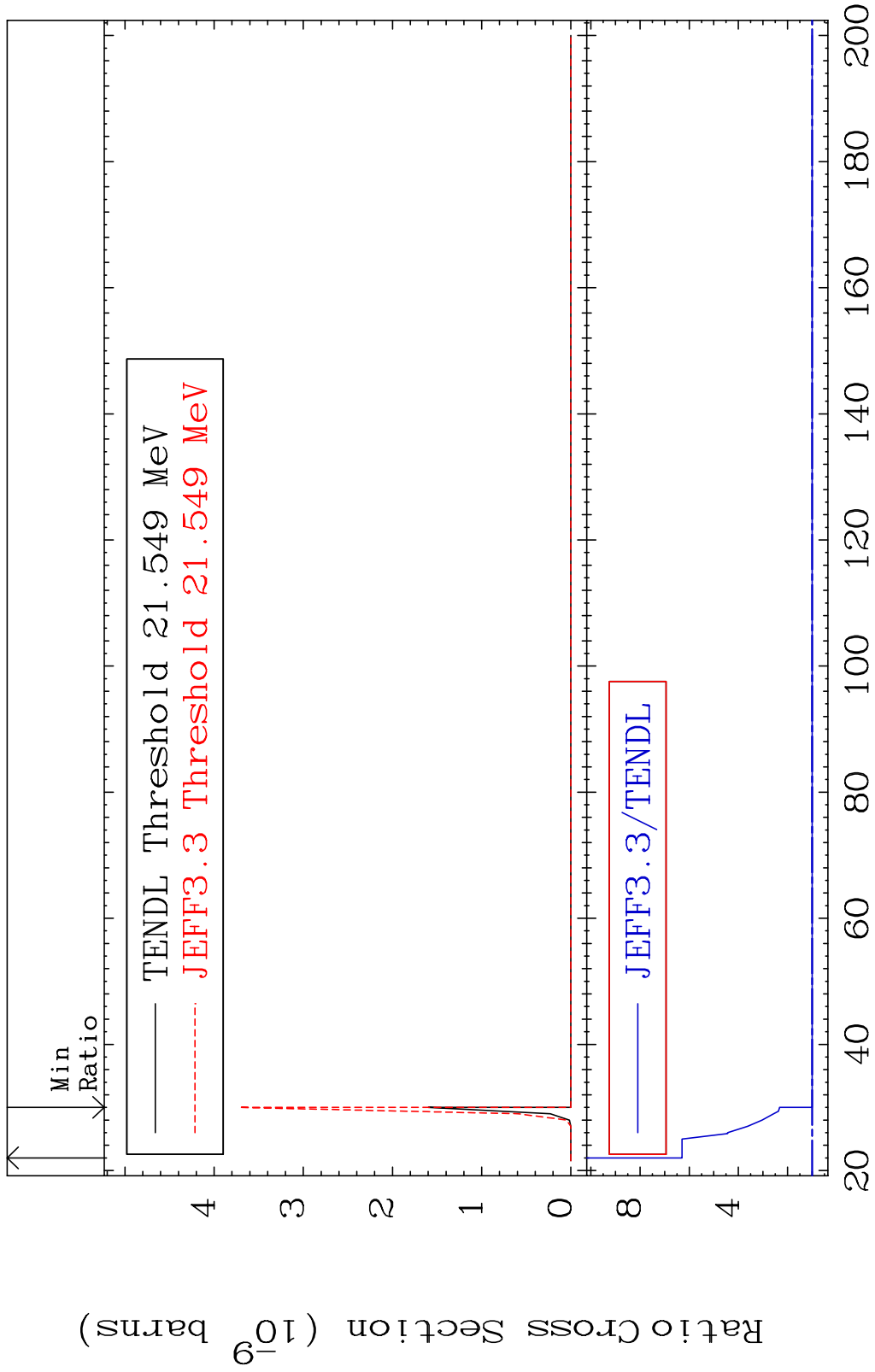




MAT 3731 (n, p) t:35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section 460.7 %



MAT 3731 (n, p) t:35-Br-84m1 37-Rb-87
 Radionuclide Production Cross Section 529.5 %



94 Incident Energy (MeV) 37-Rb-87