

Program Complot
(Version 2021-1)

by

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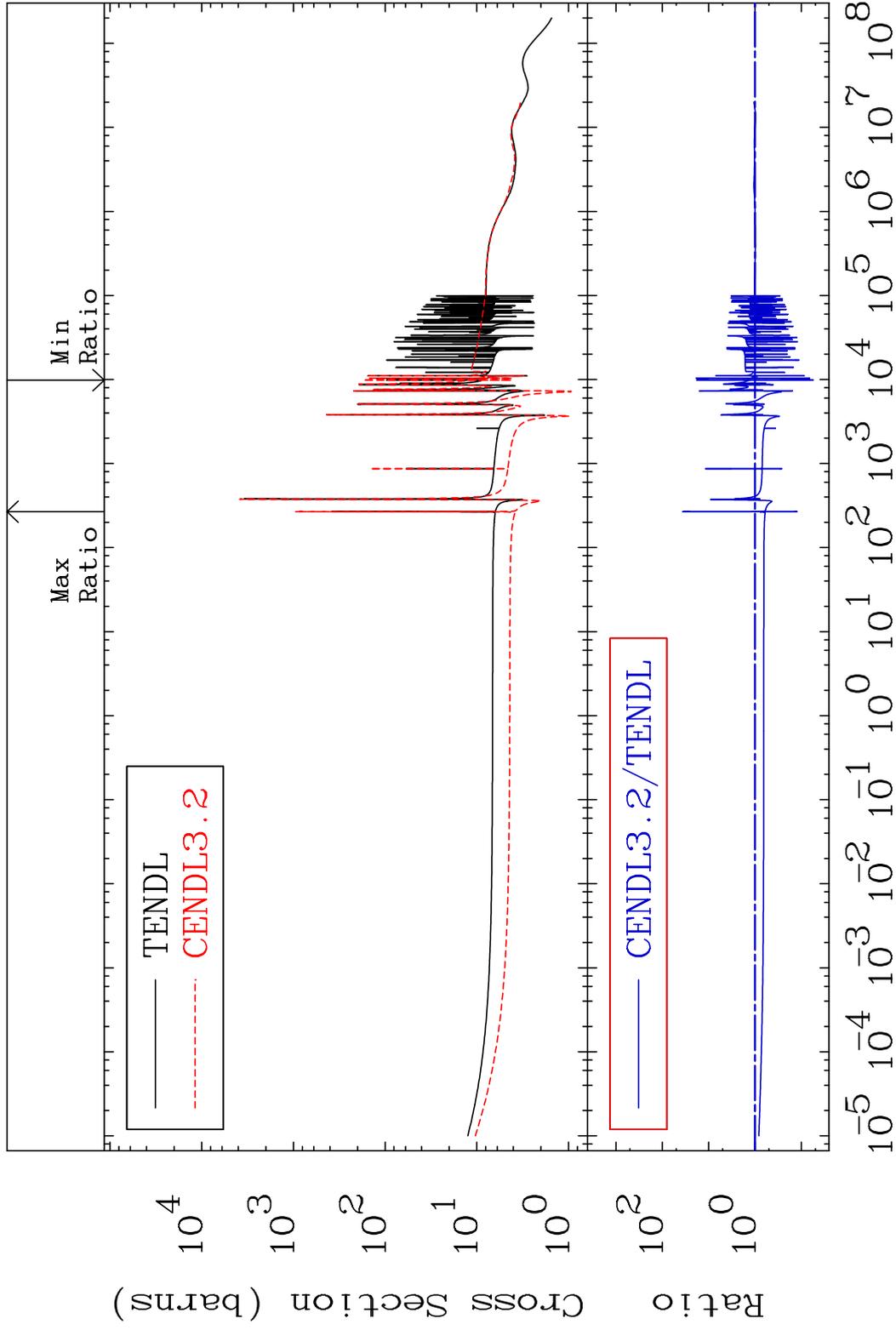
Press Mouse Button to Start

MAT 3731

Total

37-Rb-87

Cross Section -94.41 To 3514. %



1

Incident Energy (eV)

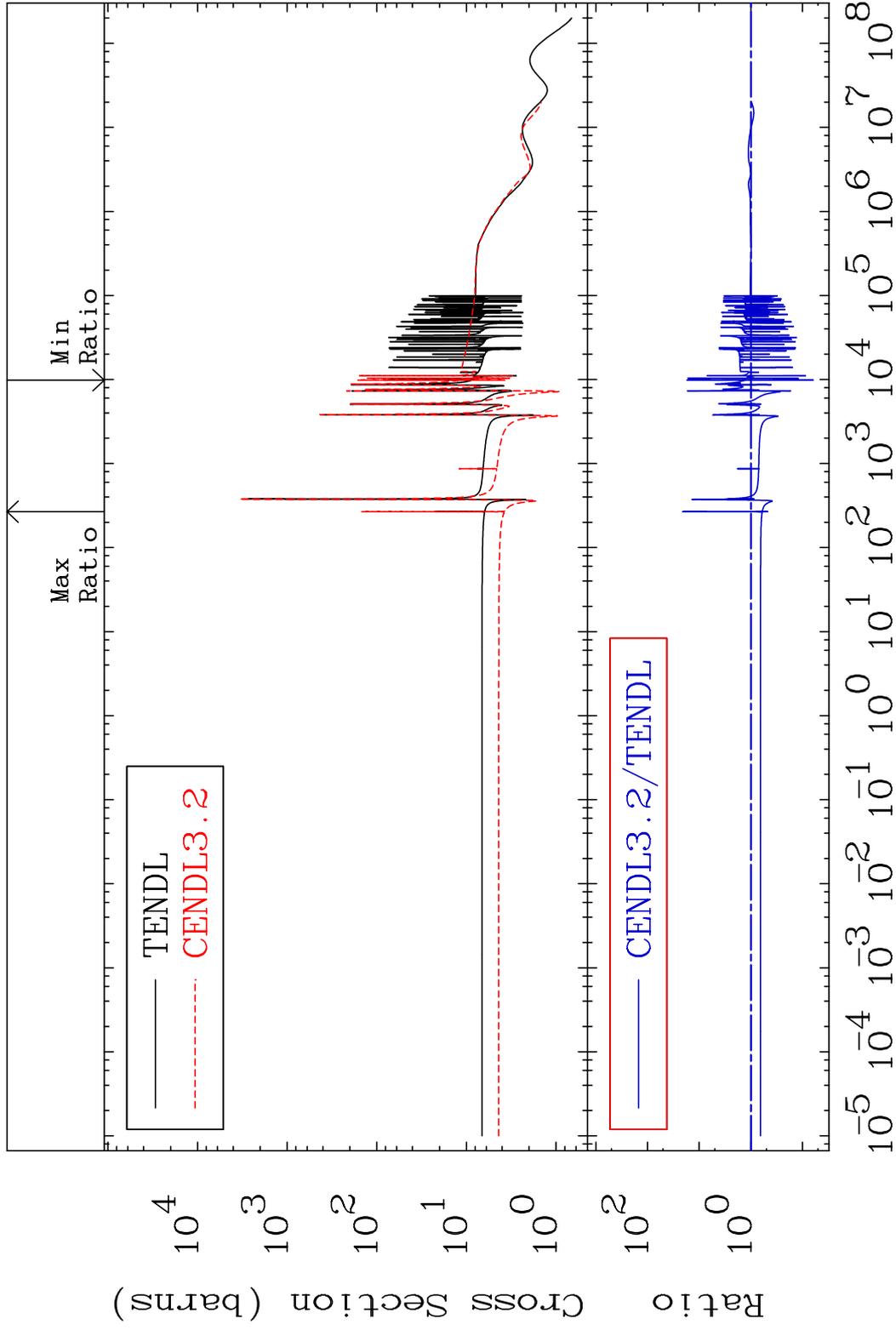
37-Rb-87

MAT 3731

Elastic

37-Rb-87

Cross Section -93.81 To 1974. %

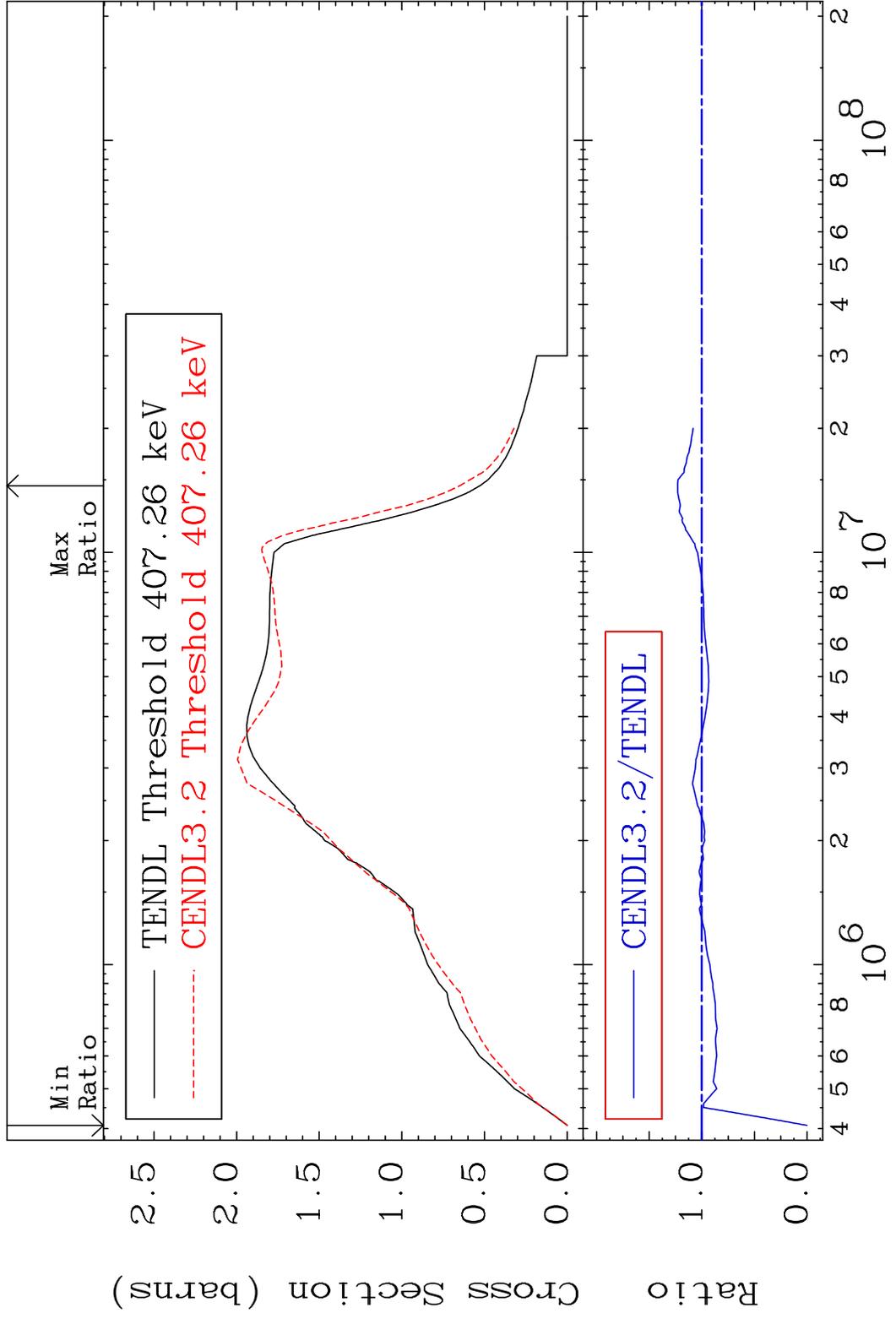


2

Incident Energy (eV)

37-Rb-87

MAT 3731 Inelastic 37-Rb-87
 Cross Section -100.0 To 22.95 %



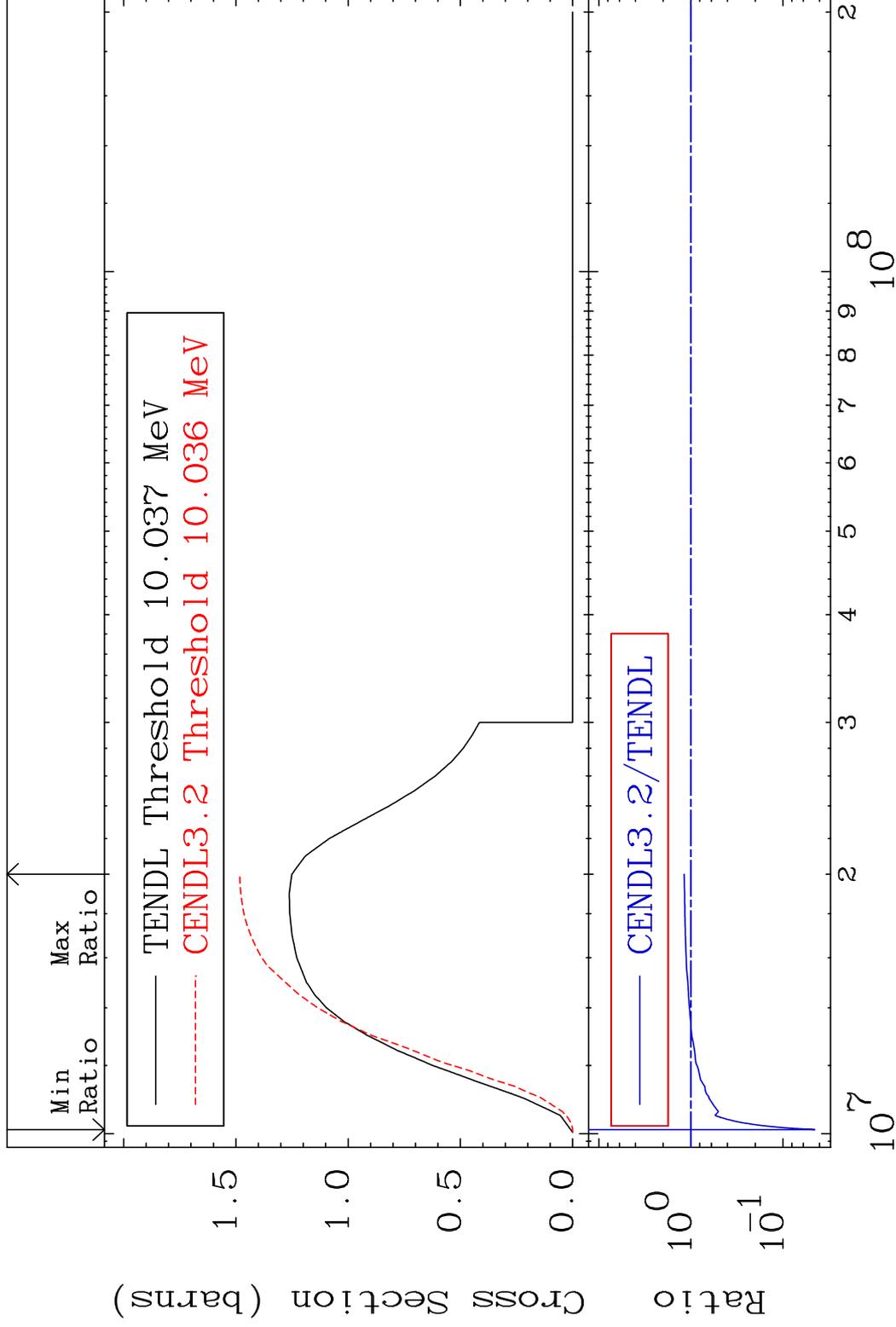
3 Incident Energy (eV) 37-Rb-87

MAT 3731

(n,2n)

37-Rb-87

Cross Section -95.49 To 18.50 %



4

Incident Energy (eV)

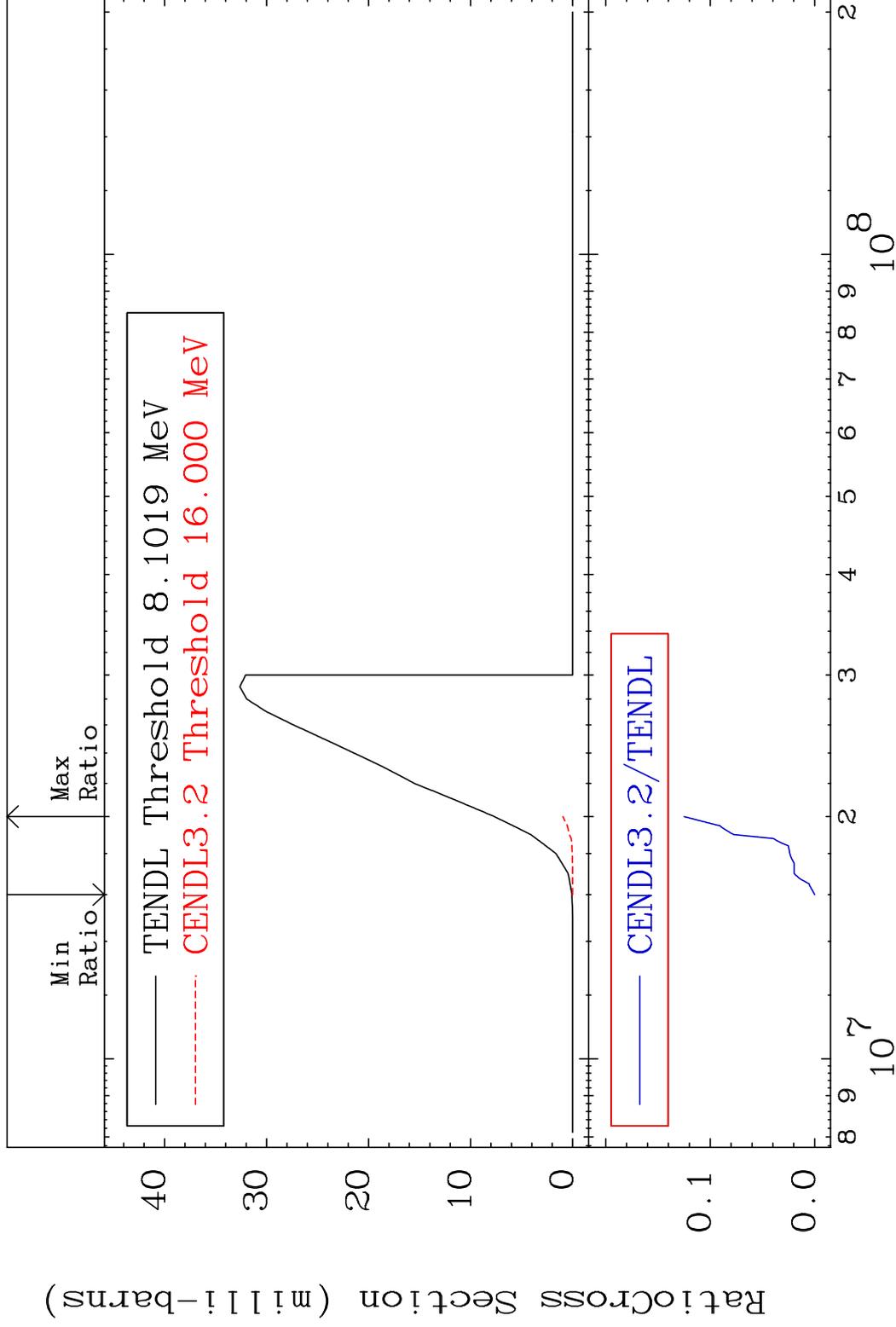
37-Rb-87

MAT 3731

(n, n') α

37-Rb-87

Cross Section -100.0 To -87.50%



5

Incident Energy (eV)

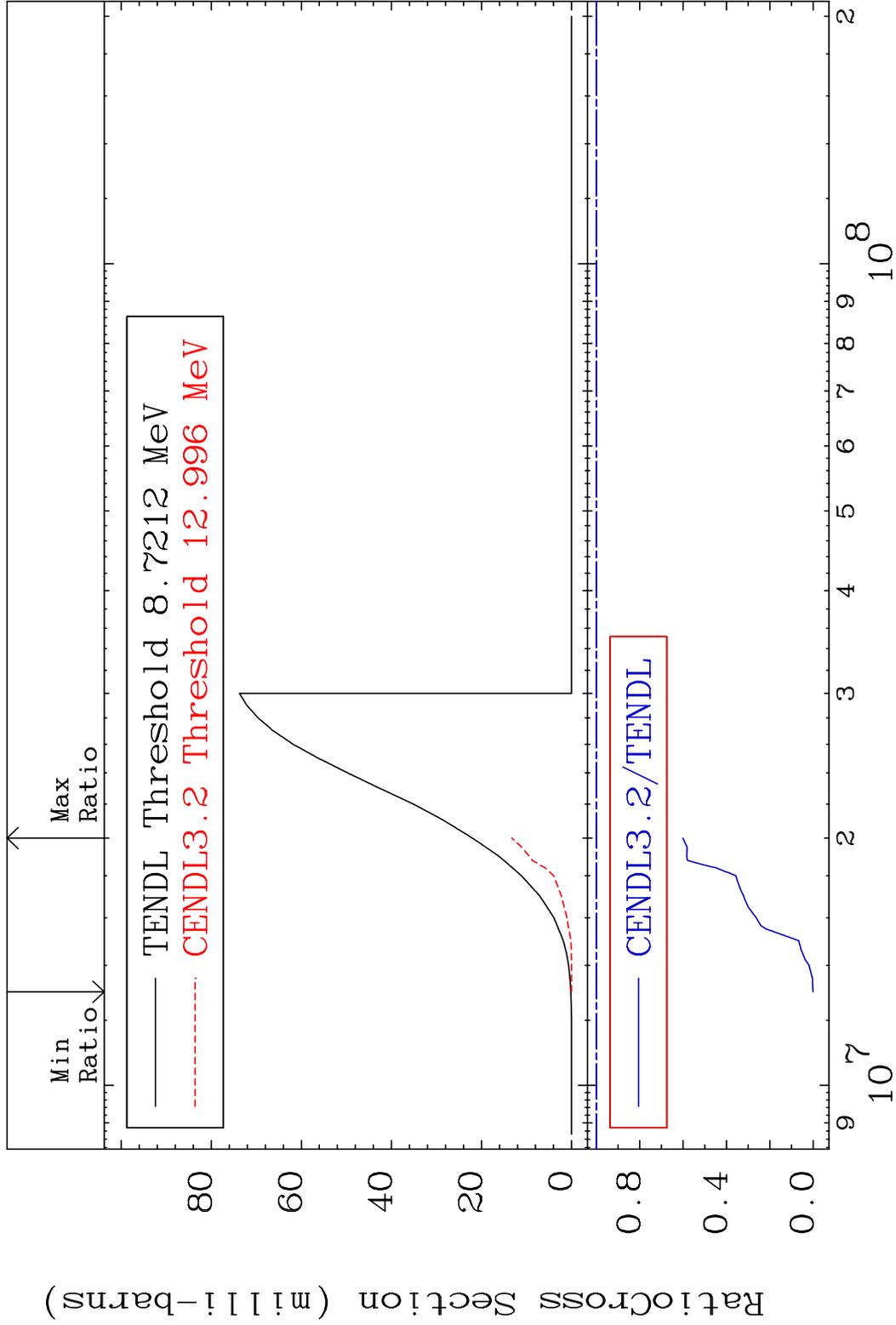
37-Rb-87

MAT 3731

(n, n') p

37-Rb-87

Cross Section -100.0 To -39.86%

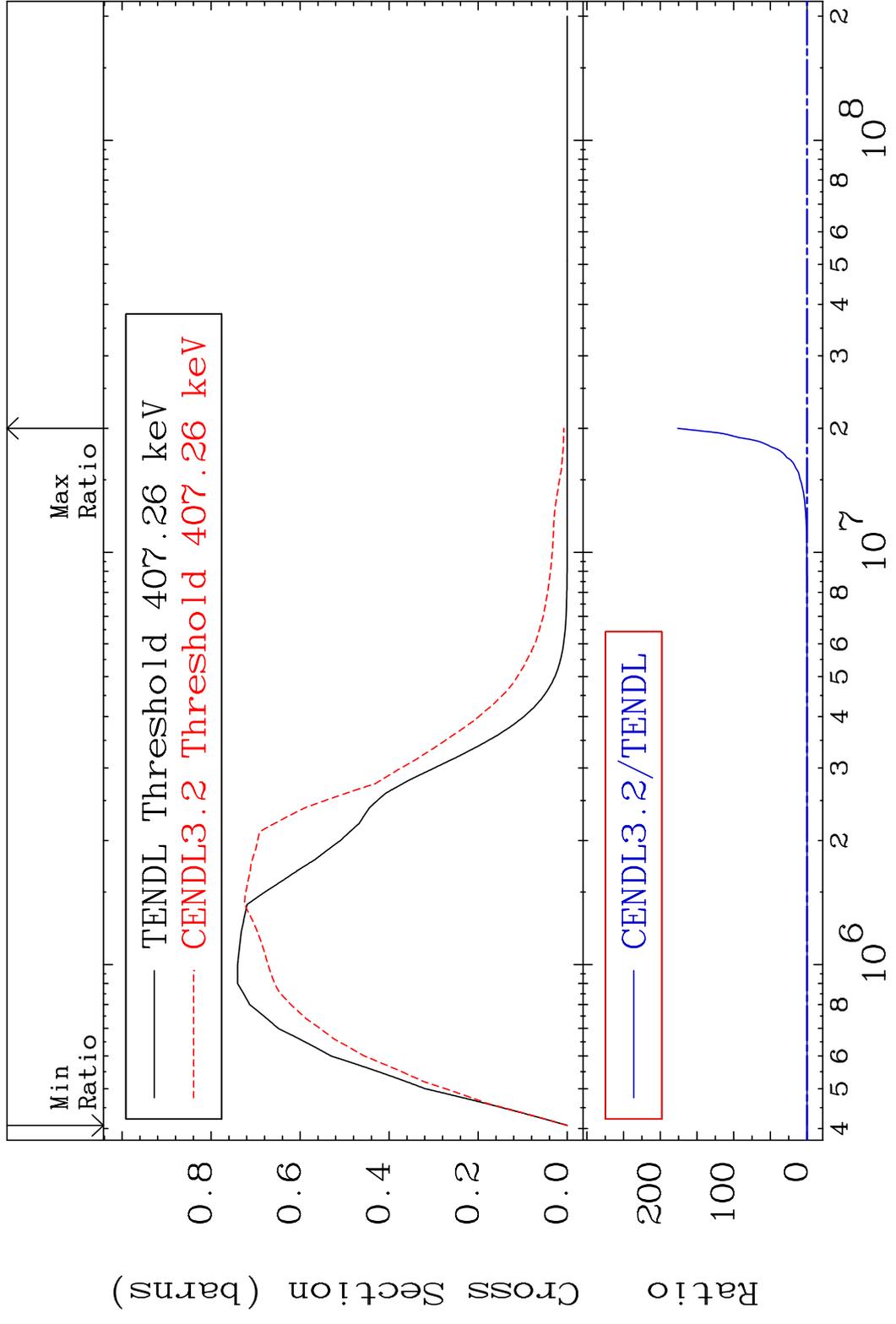


6

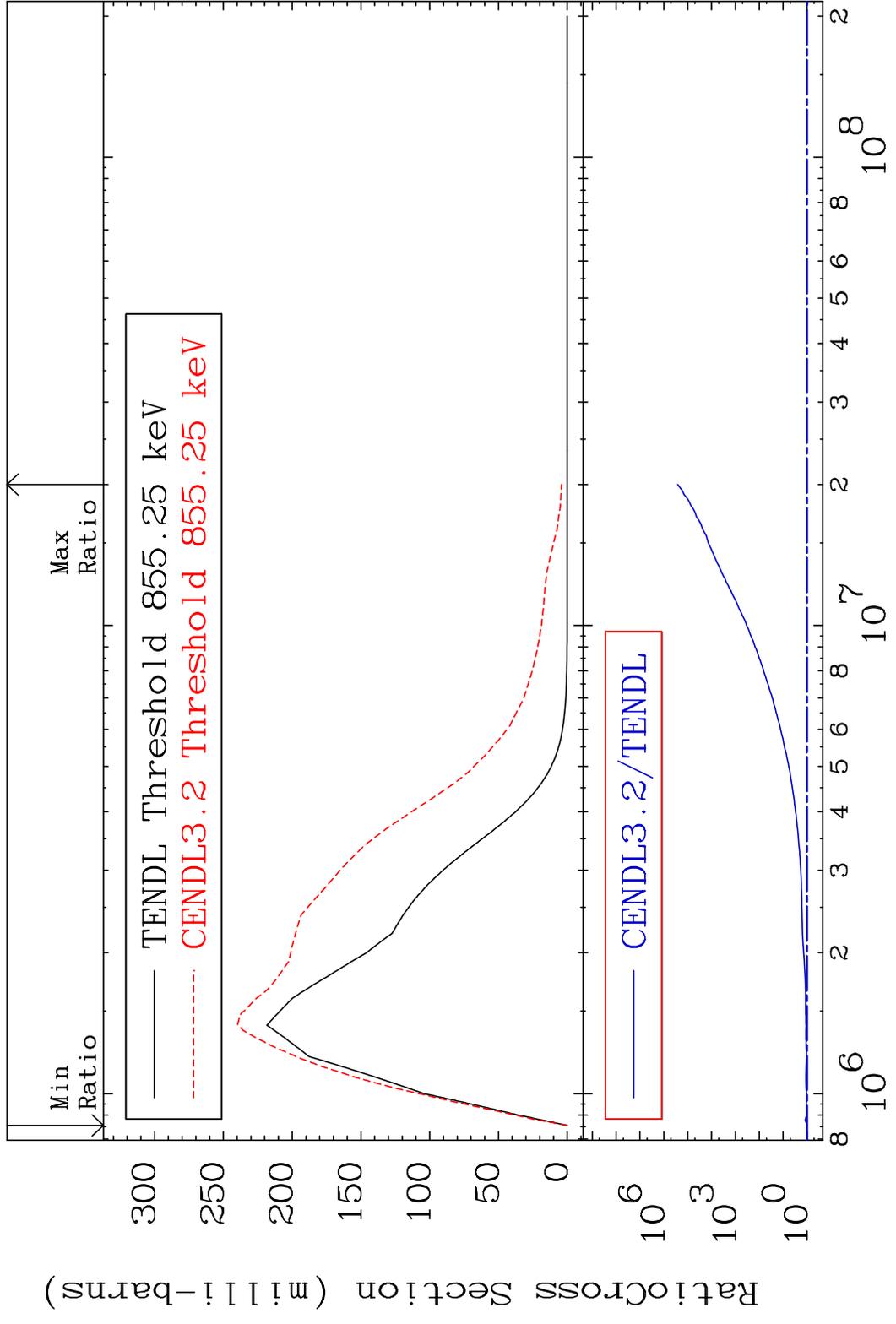
Incident Energy (eV)

37-Rb-87

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

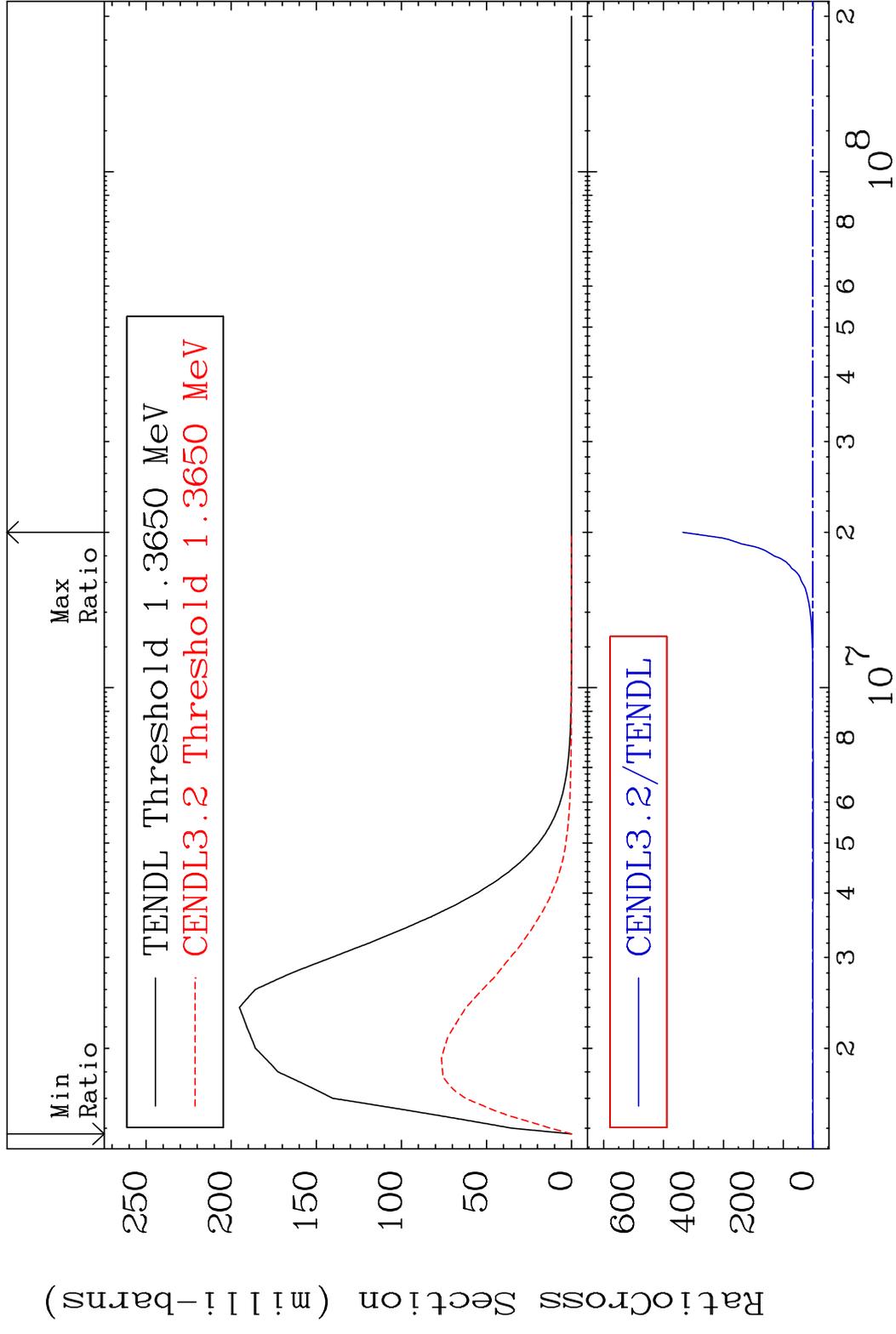


MAT 3731 MT= 52 (n, n') Level 37-Rb-87
 Cross Section 0.000 To 9999. %

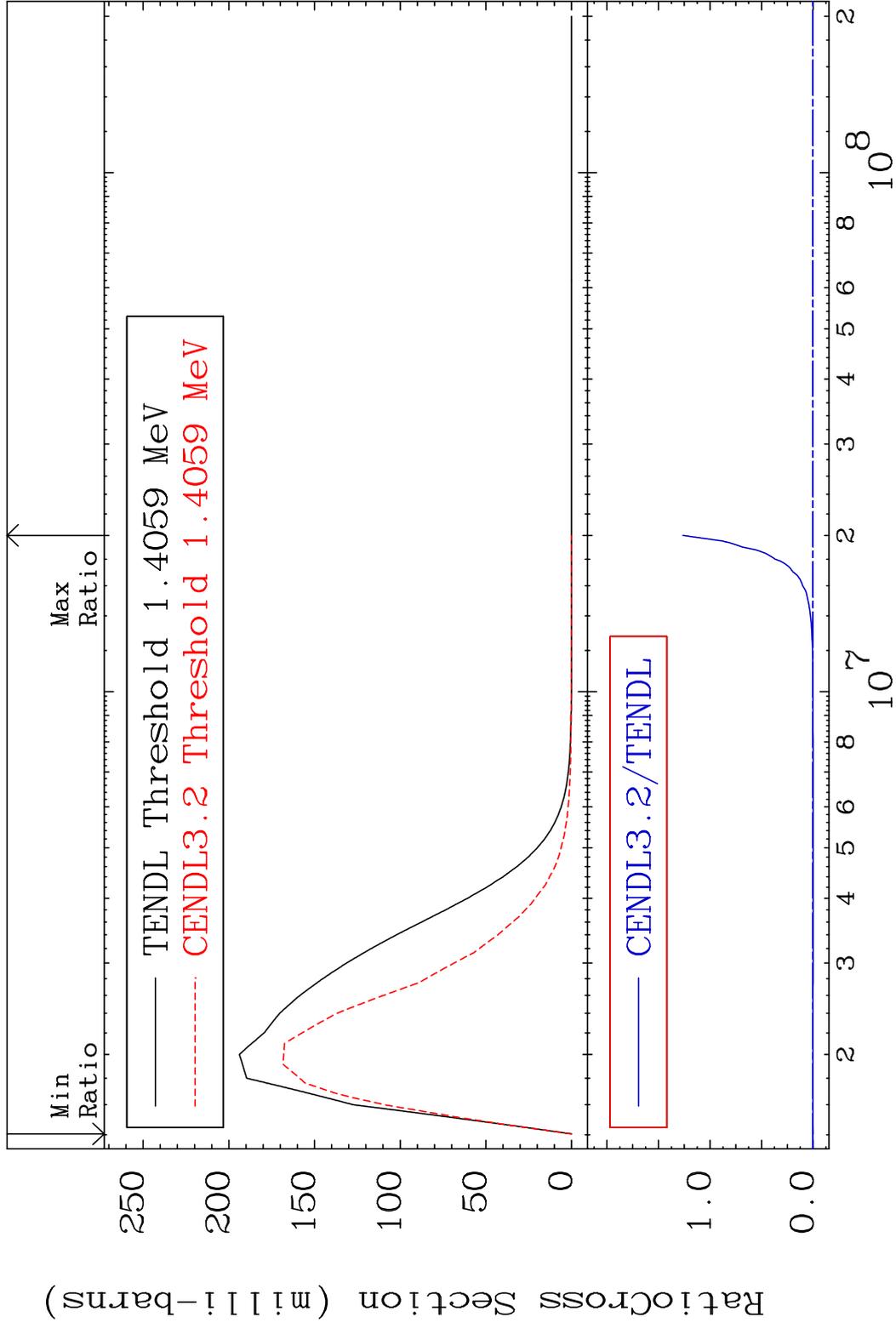


8 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 2 37-Rb-87

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

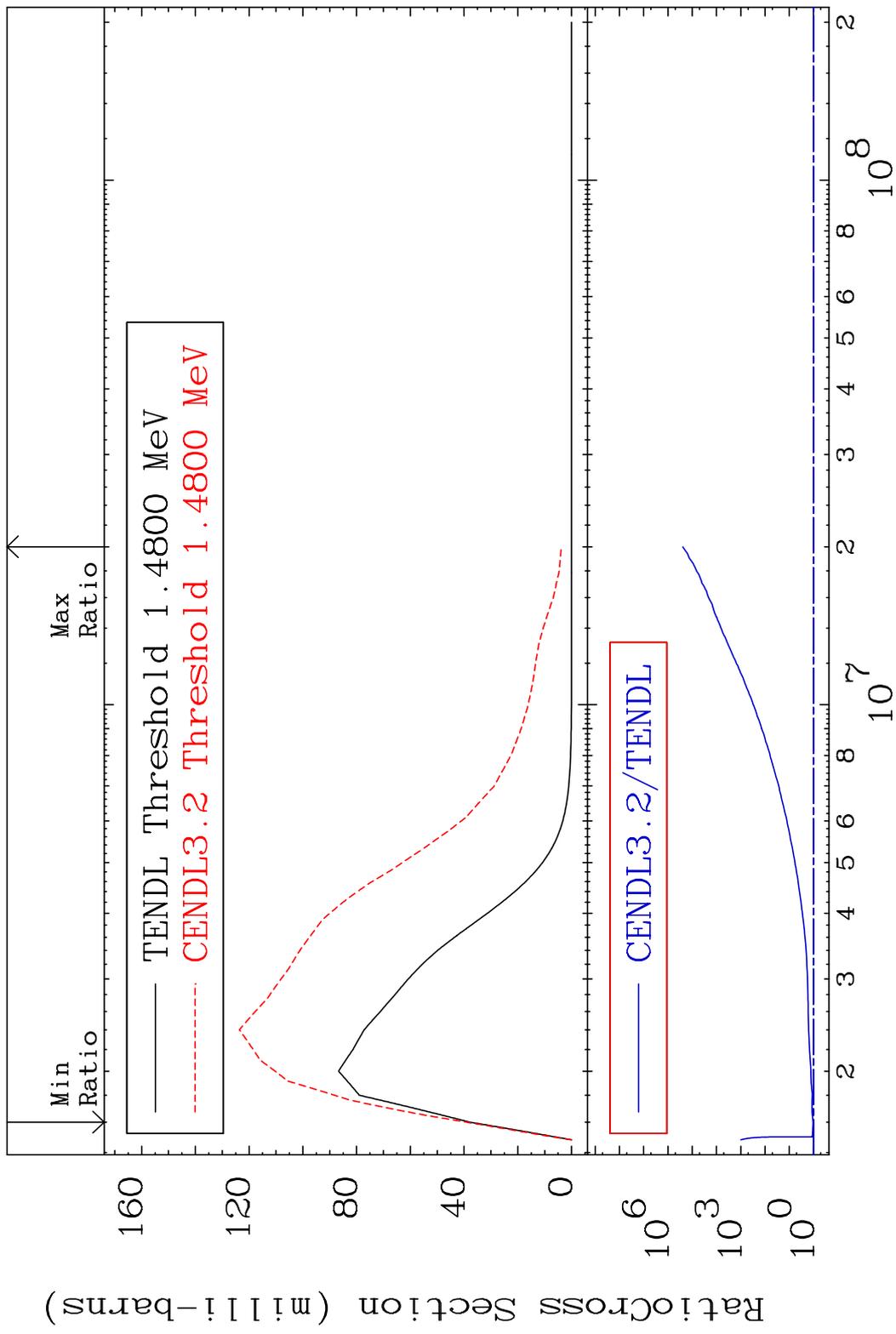


MAT 3731 MT= 54 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %

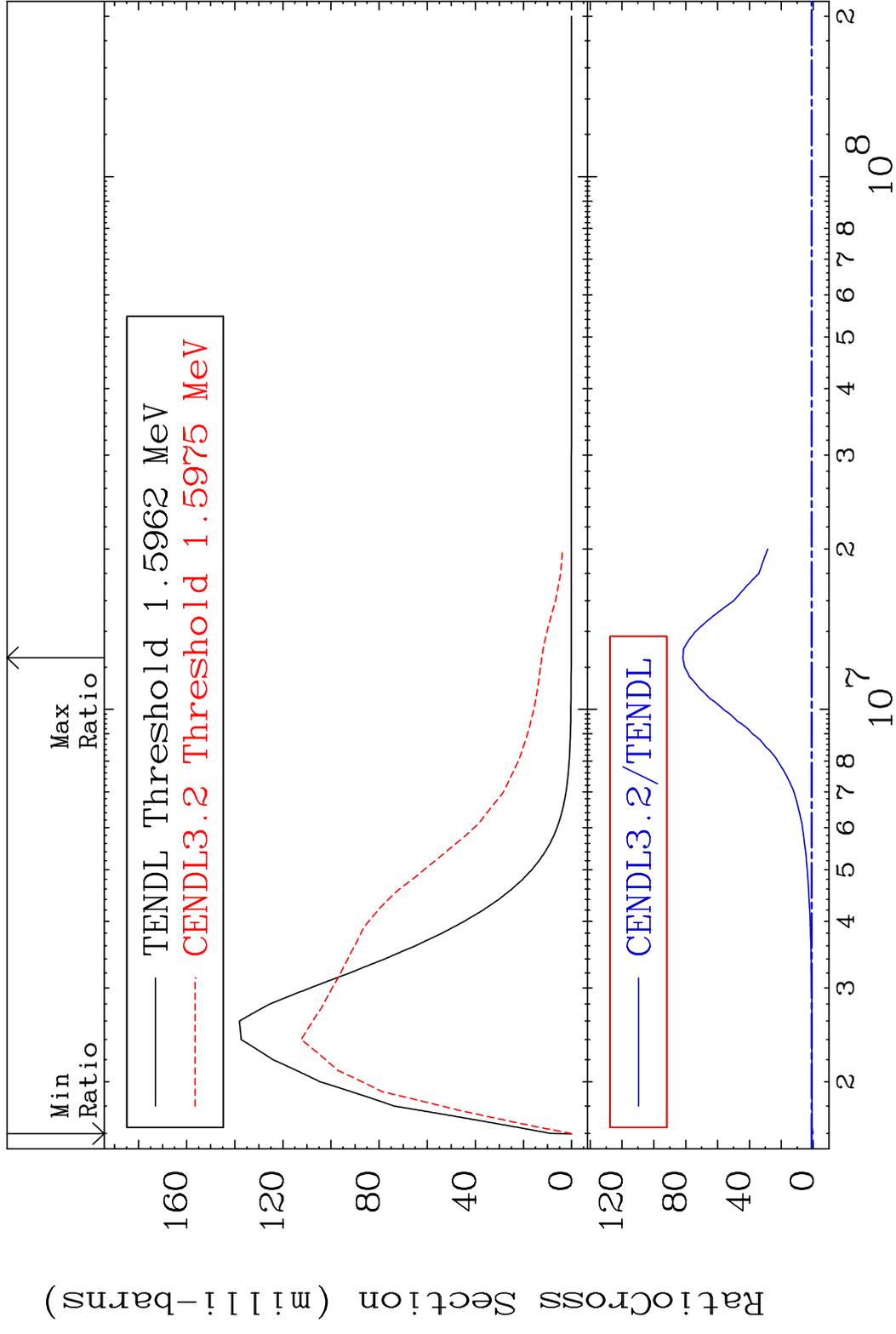


10 Incident Energy (eV) 37-Rb-87

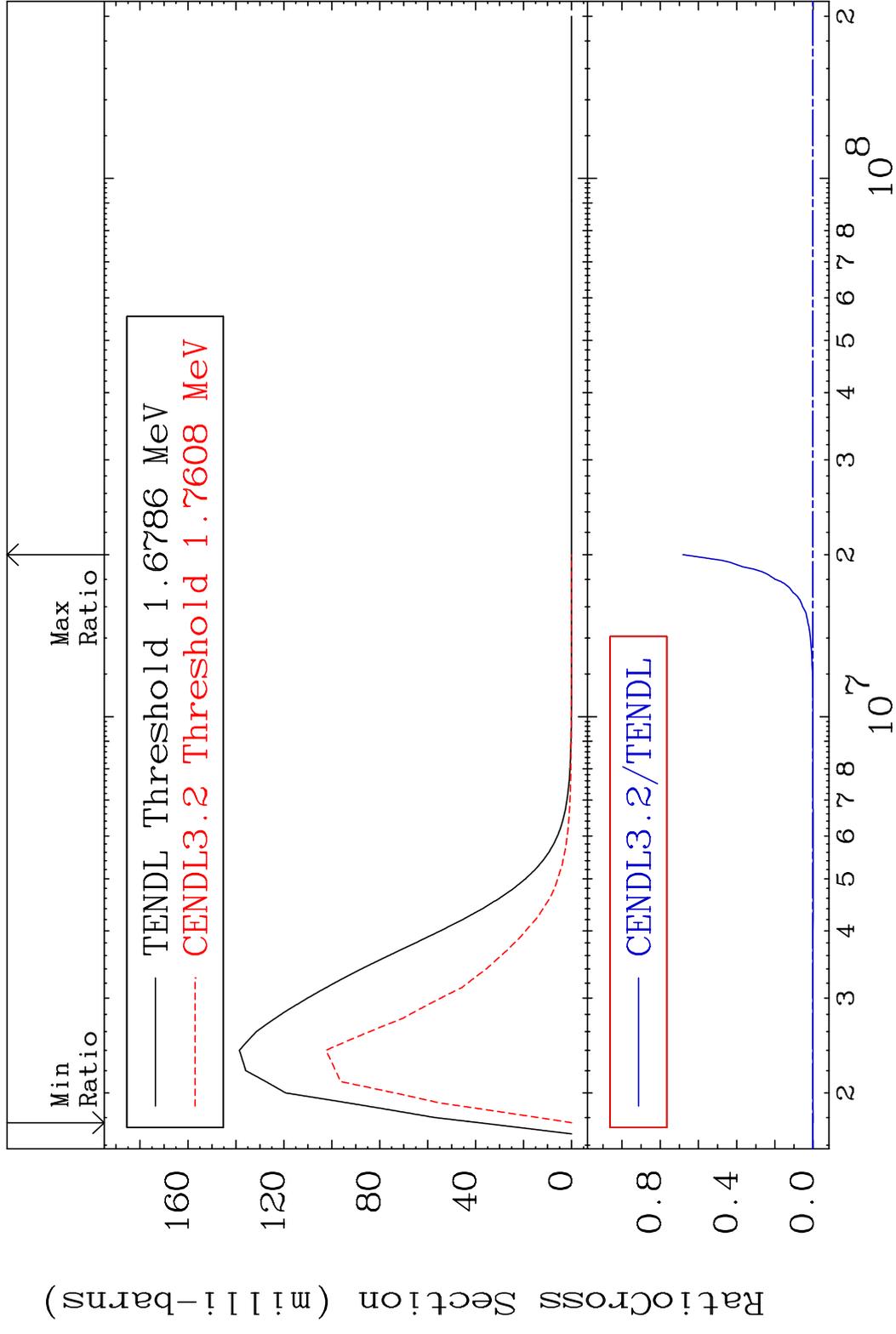
MAT 3731 MT= 55 (n,n') Level 37-Rb-87
 Cross Section 3.707 To 9999. %



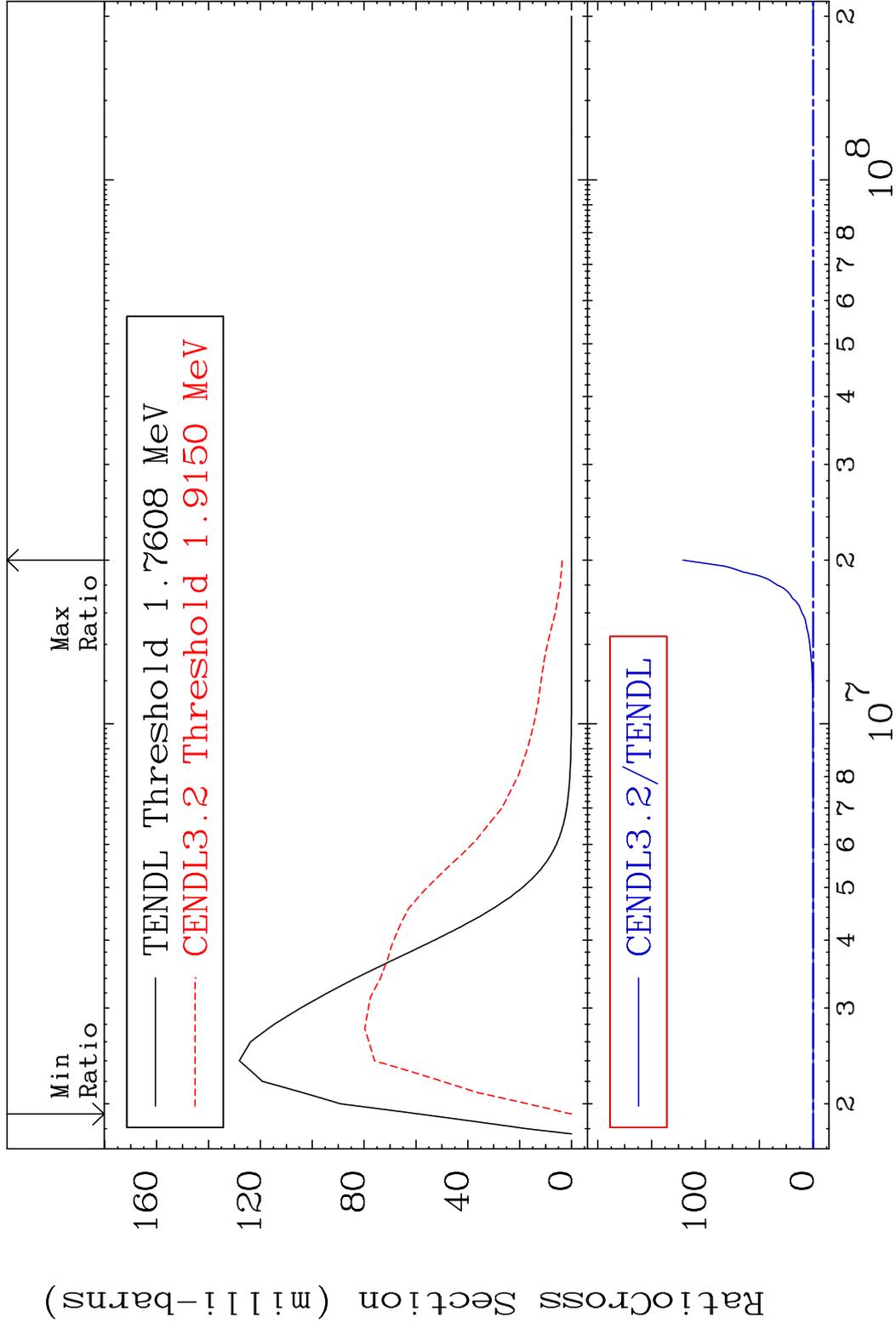
MAT 3731 MT= 56 (n,n') Level 37-Rb-87
 Cross Section -100.0 To 8082. %



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



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

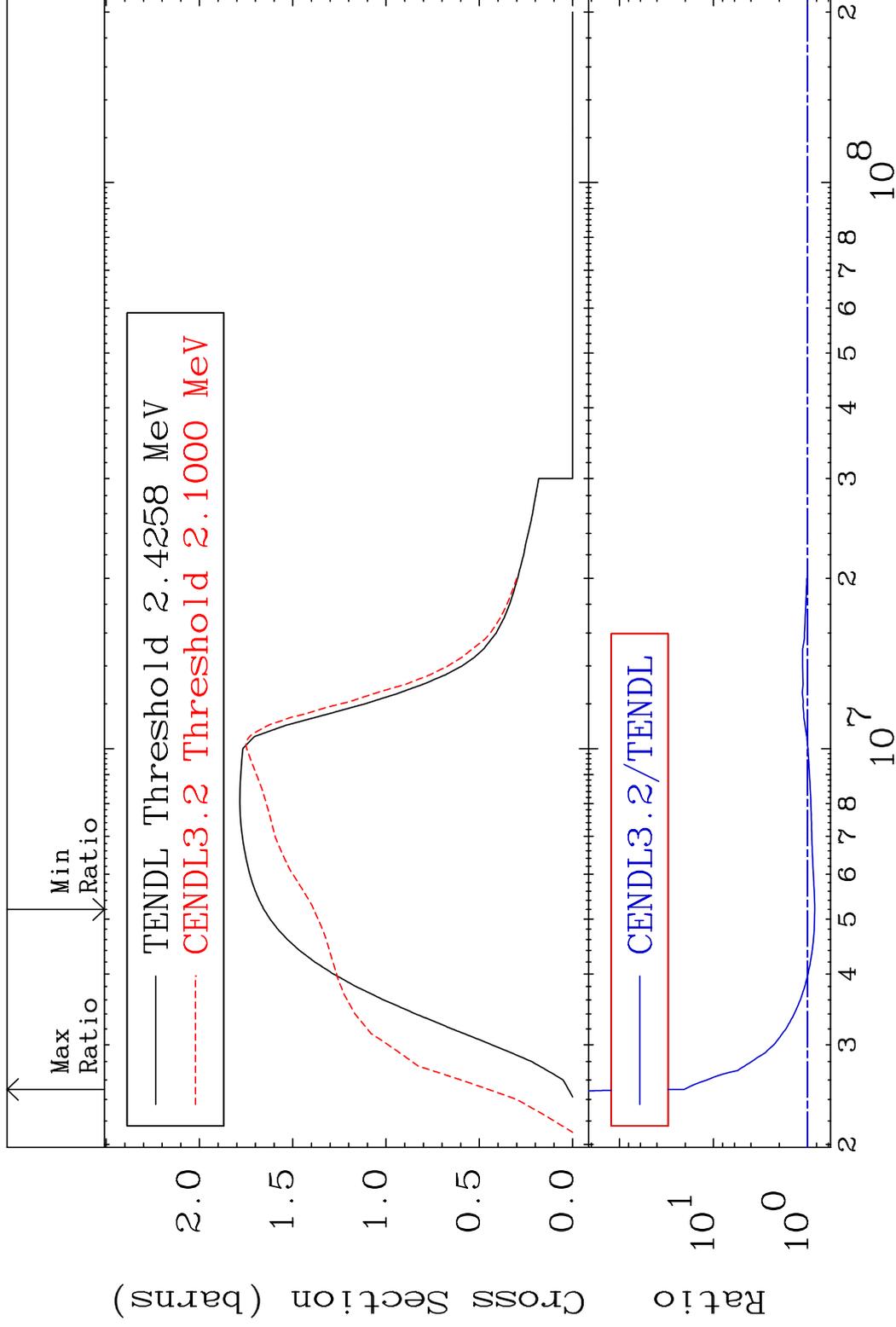


MAT 3731

(n,n') Continuum

37-Rb-87

Cross Section -16.14 To 1955. %



15

Incident Energy (eV)

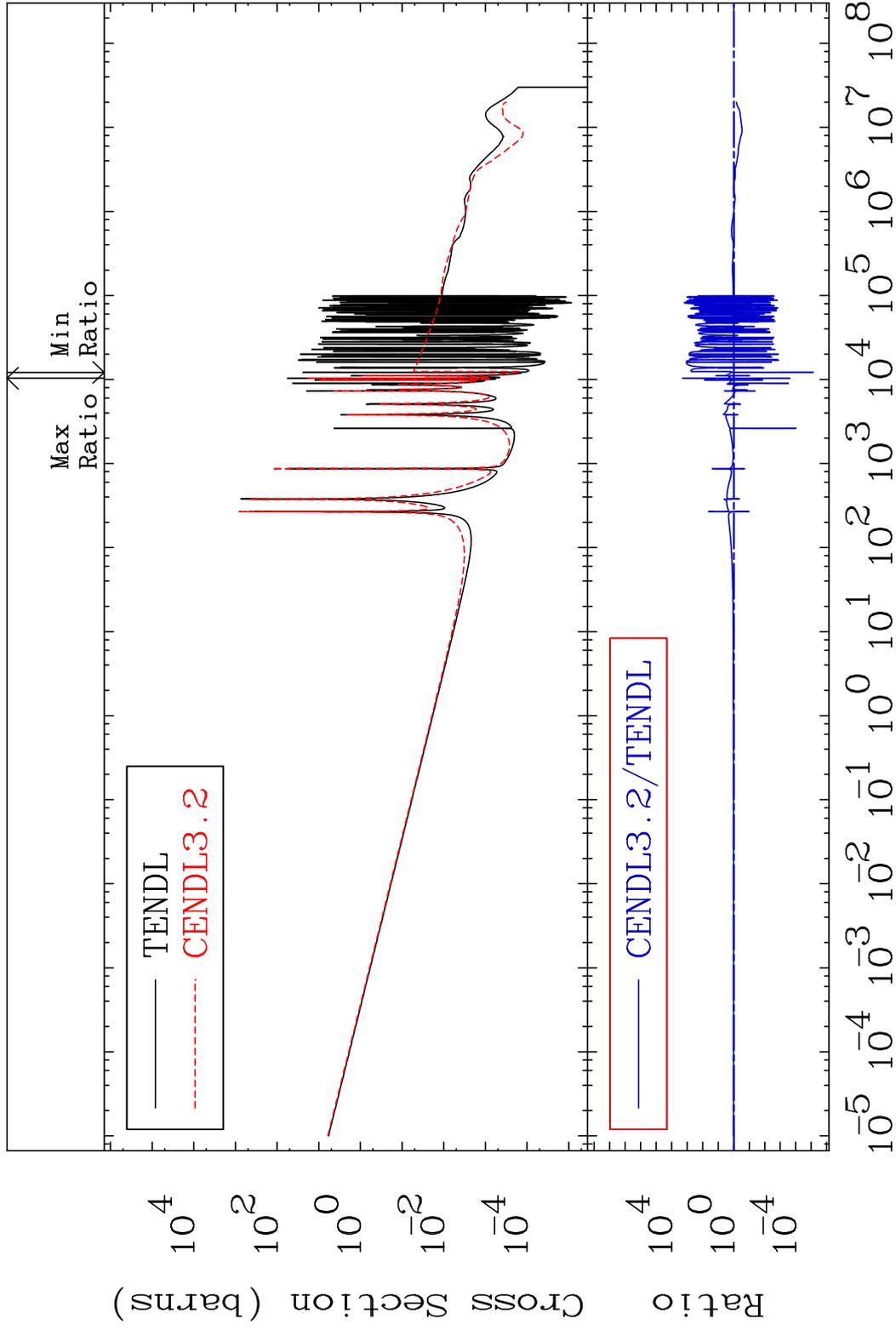
37-Rb-87

MAT 3731

(n, γ)

37-Rb-87

Cross Section -100.0 To 9999. %



16

Incident Energy (eV)

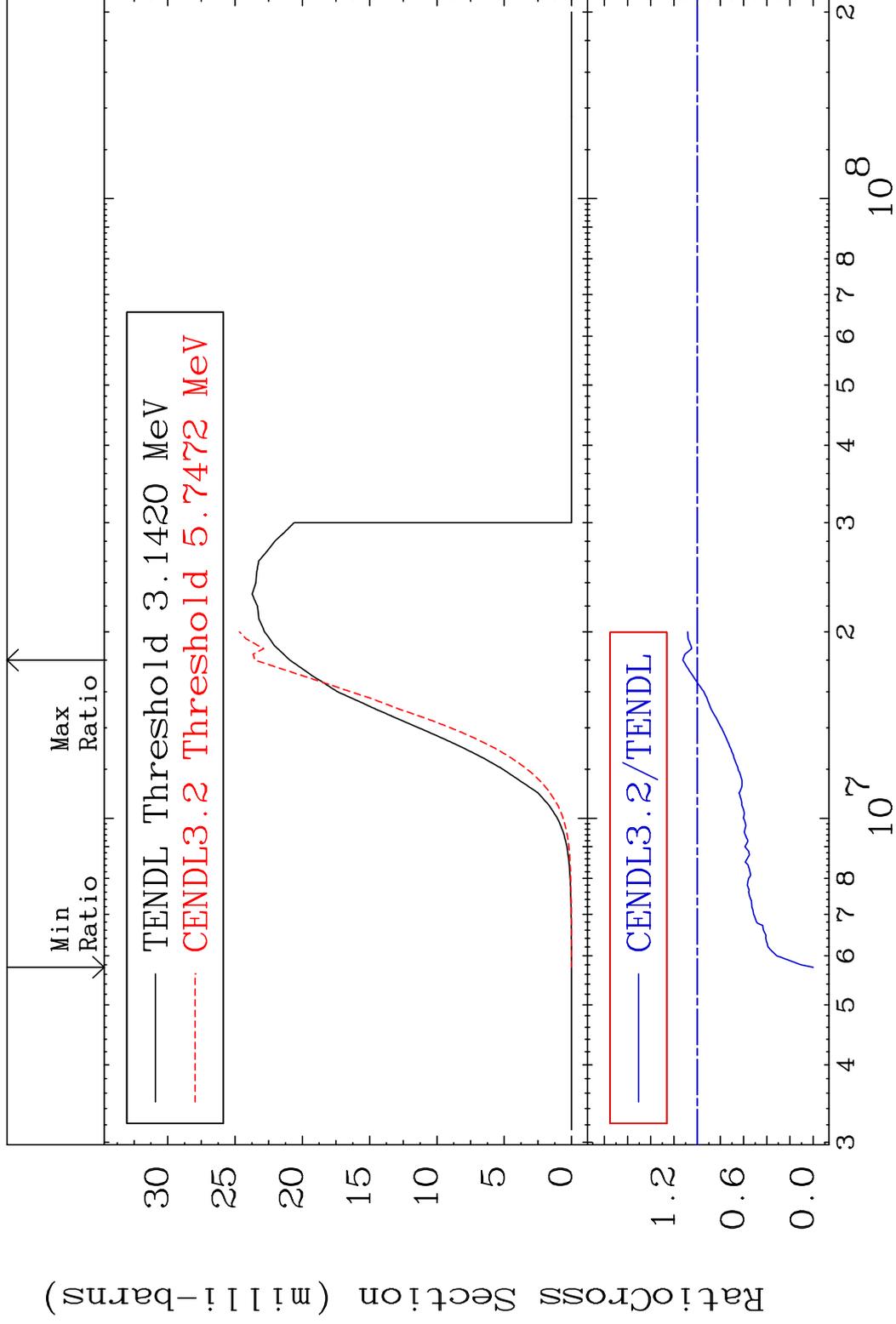
37-Rb-87

MAT 3731

(n, p)

37-Rb-87

Cross Section -100.0 To 12.37 %



17

Incident Energy (eV)

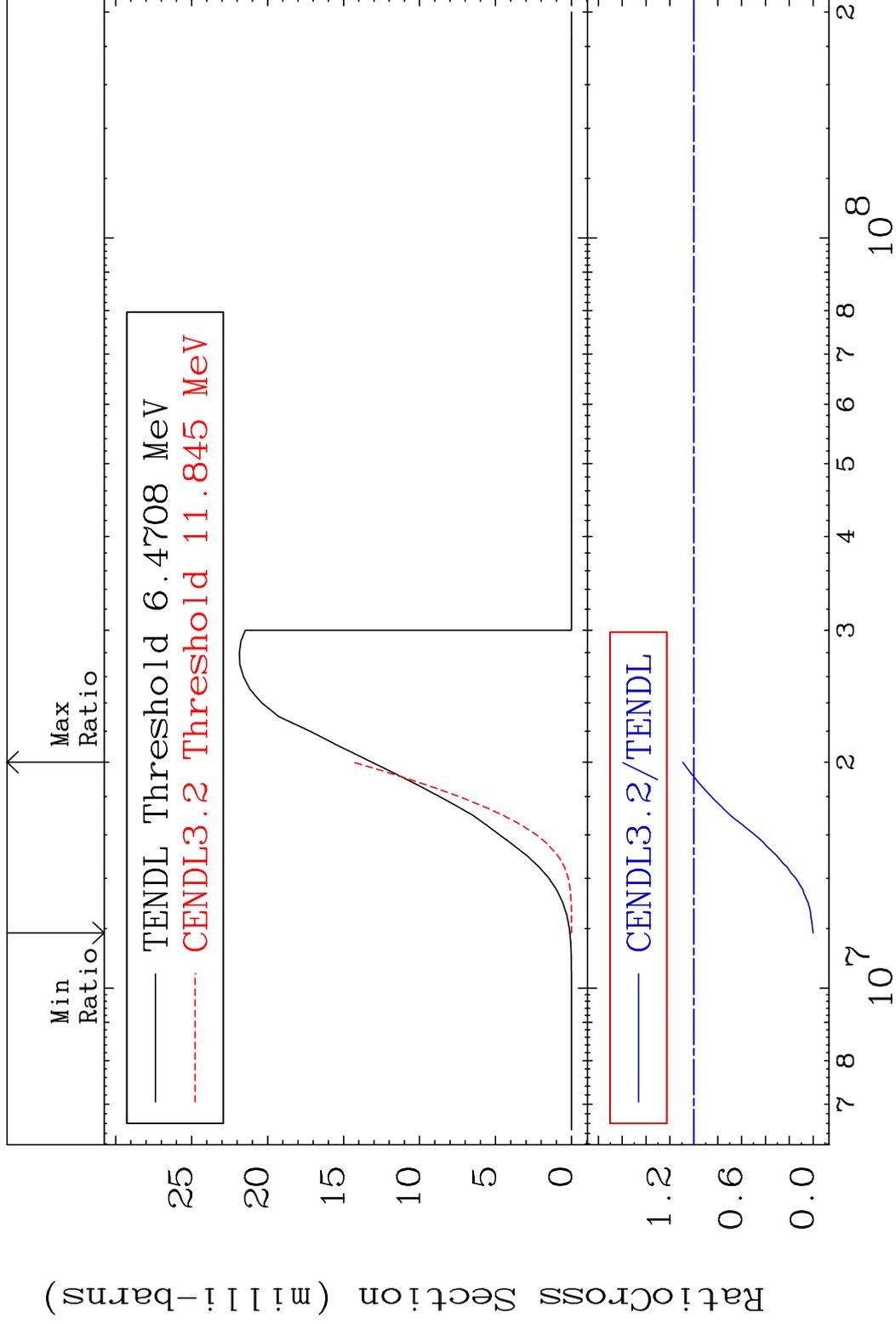
37-Rb-87

MAT 3731

(n, d)

37-Rb-87

Cross Section -100.0 To 9.206 %



18

Incident Energy (eV)

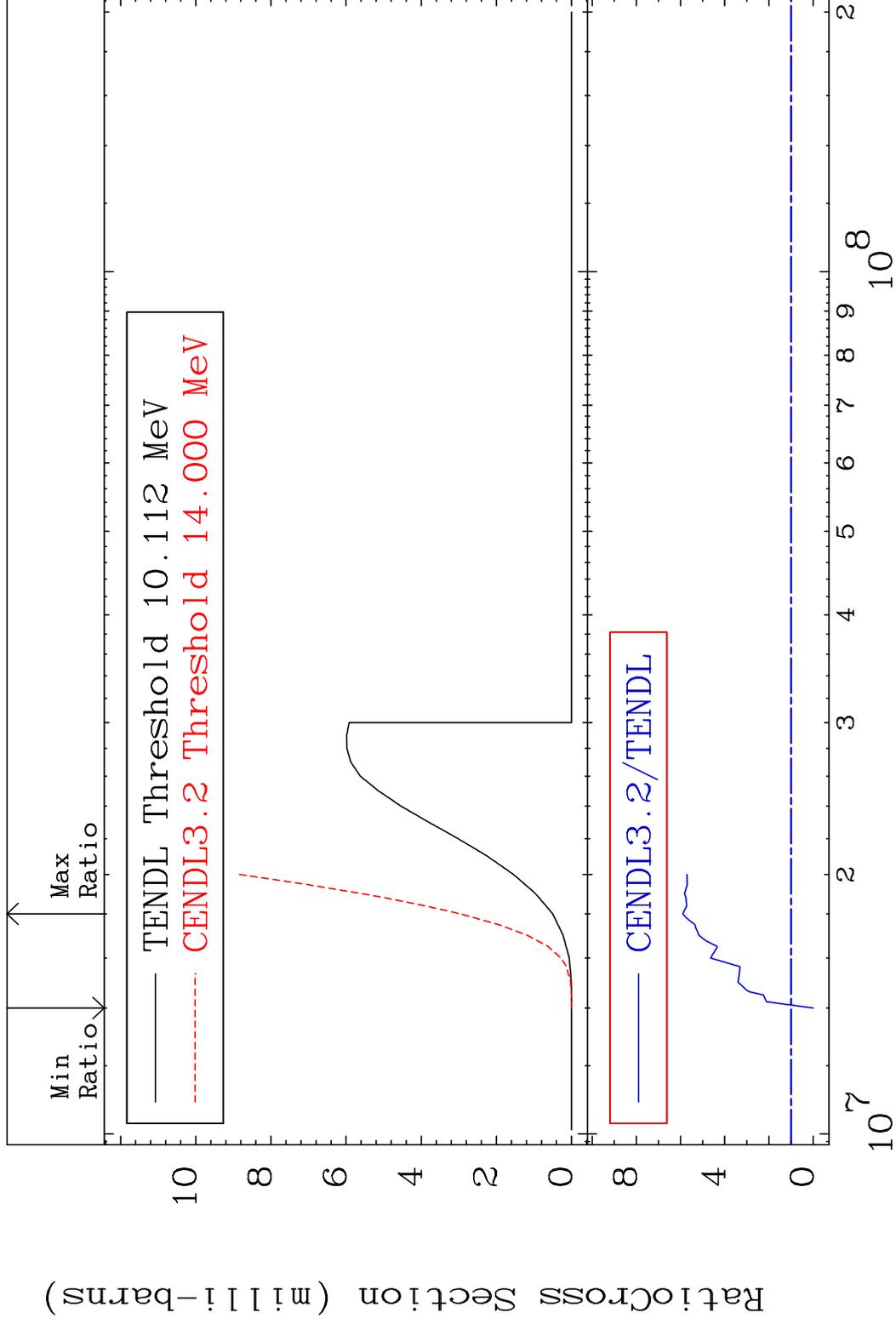
37-Rb-87

MAT 3731

(n, t)

37-Rb-87

Cross Section -100.0 To 489.7 %



19

Incident Energy (eV)

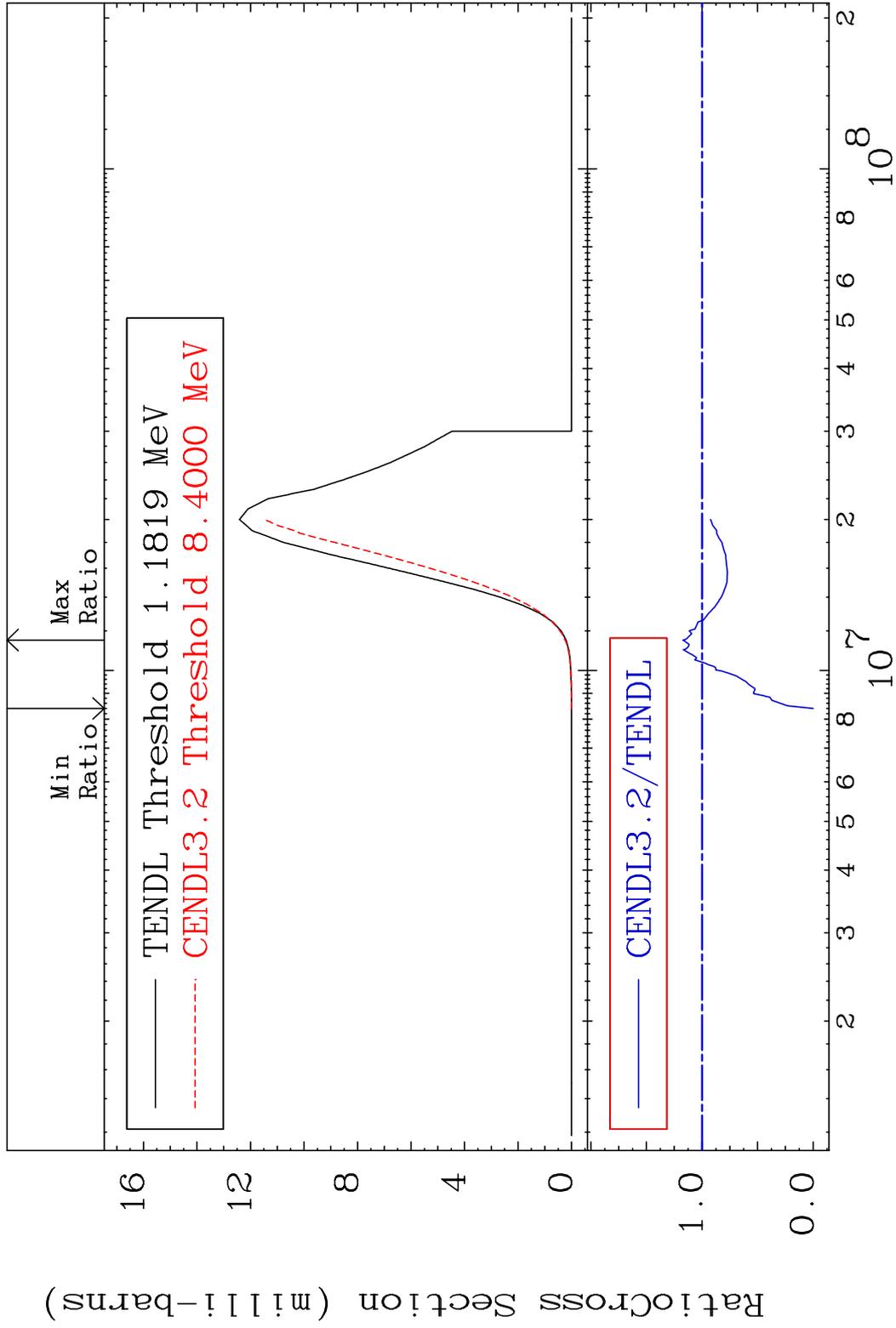
37-Rb-87

MAT 3731

$^{37}\text{Rb-87}$

(n, α)

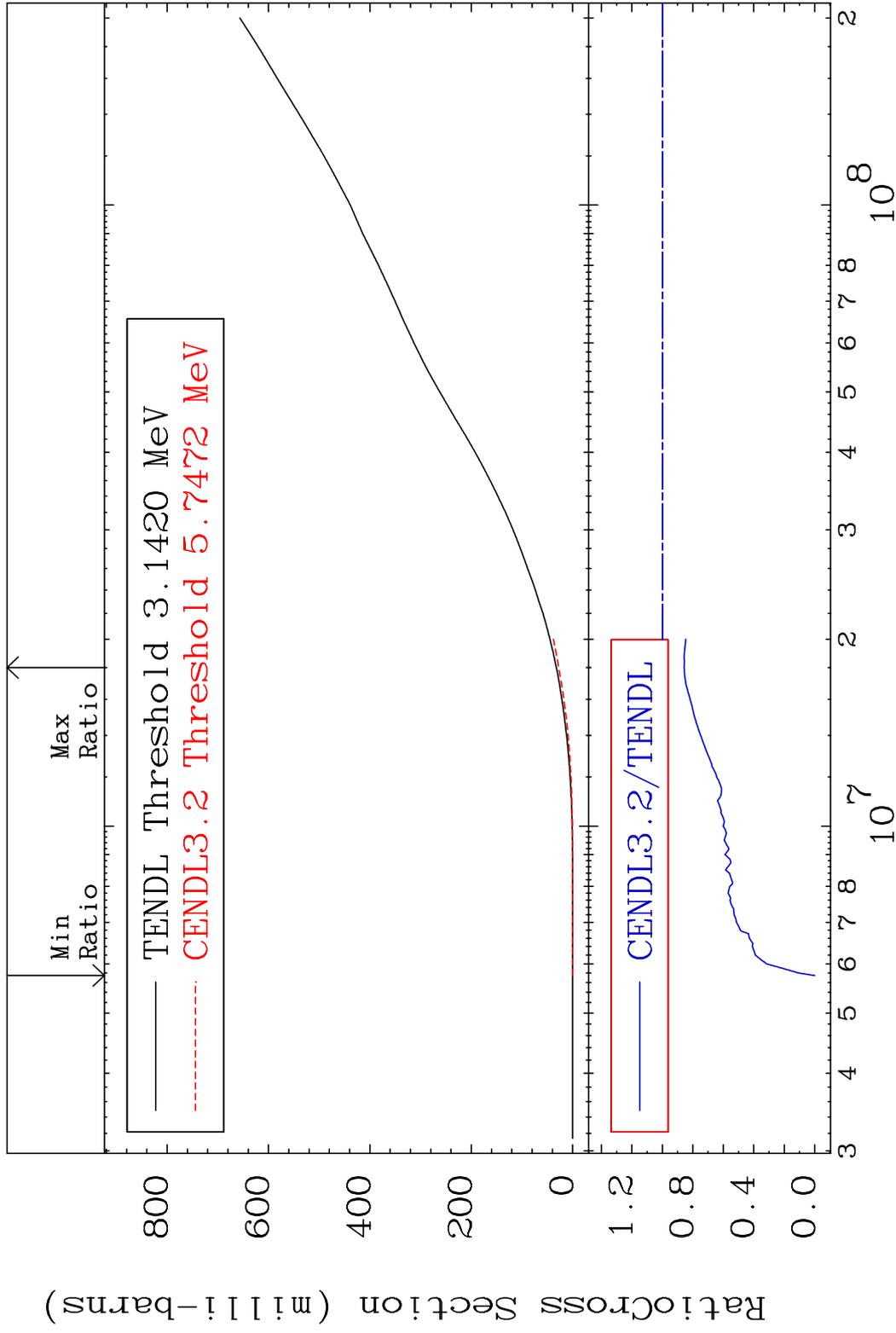
Cross Section -100.0 To 17.26 %



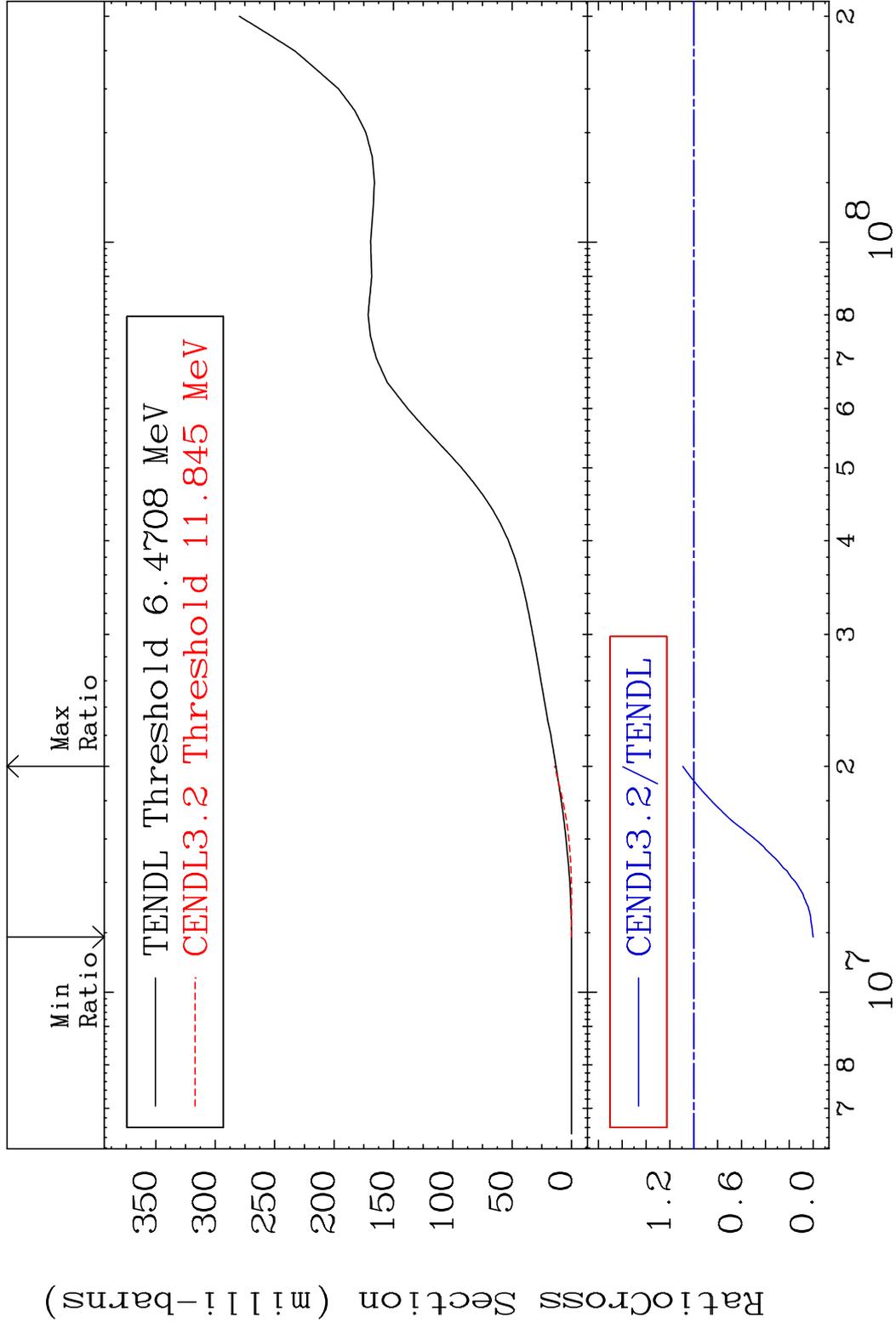
20

Incident Energy (eV)

$^{37}\text{Rb-87}$



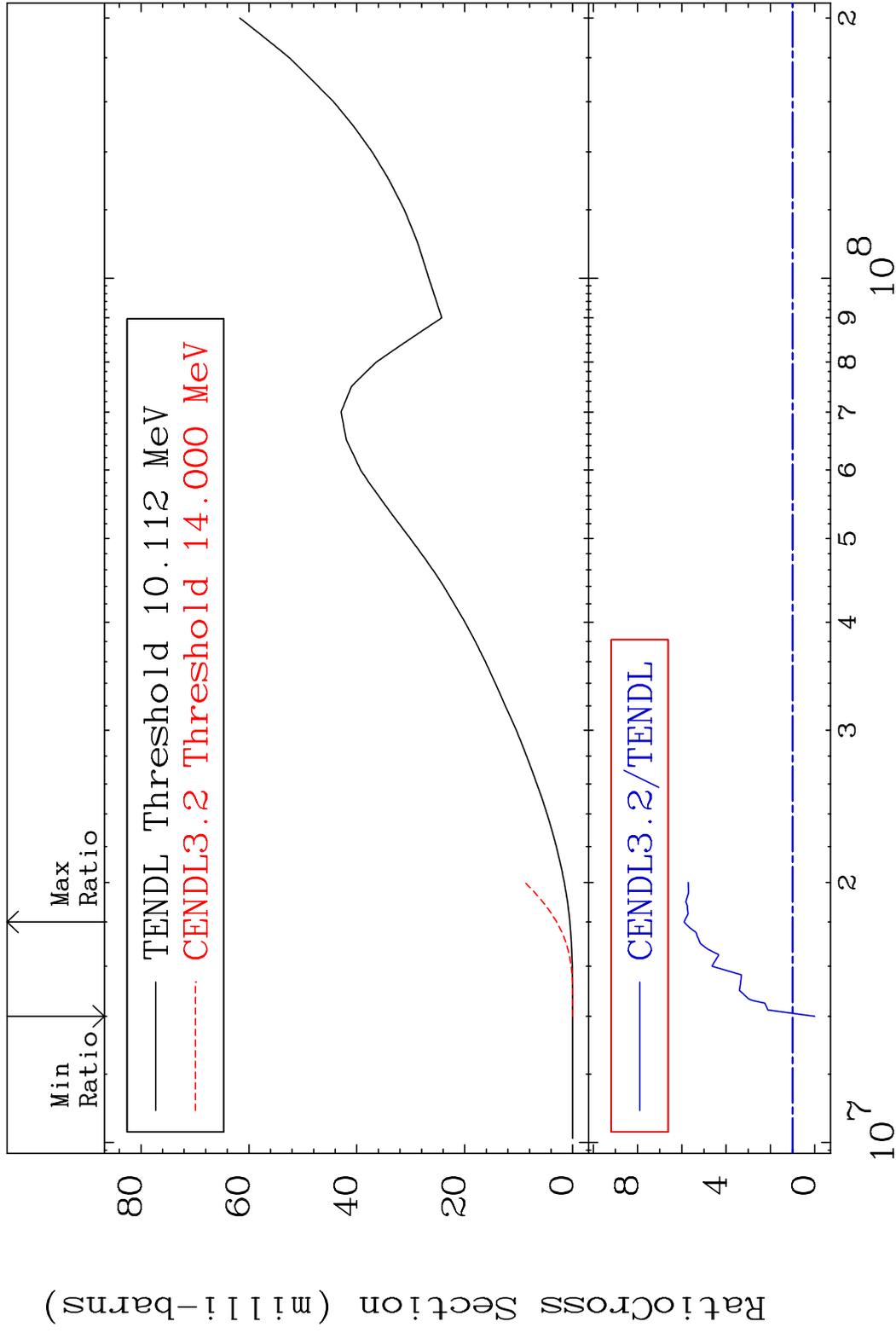
MAT 3731 Deuterium Production 37-Rb-87
 Cross Section -100.0 To 9.182 %



MAT 3731

Tritium Production 37-Rb-87

Cross Section -100.0 To 489.7 %



23

Incident Energy (eV)

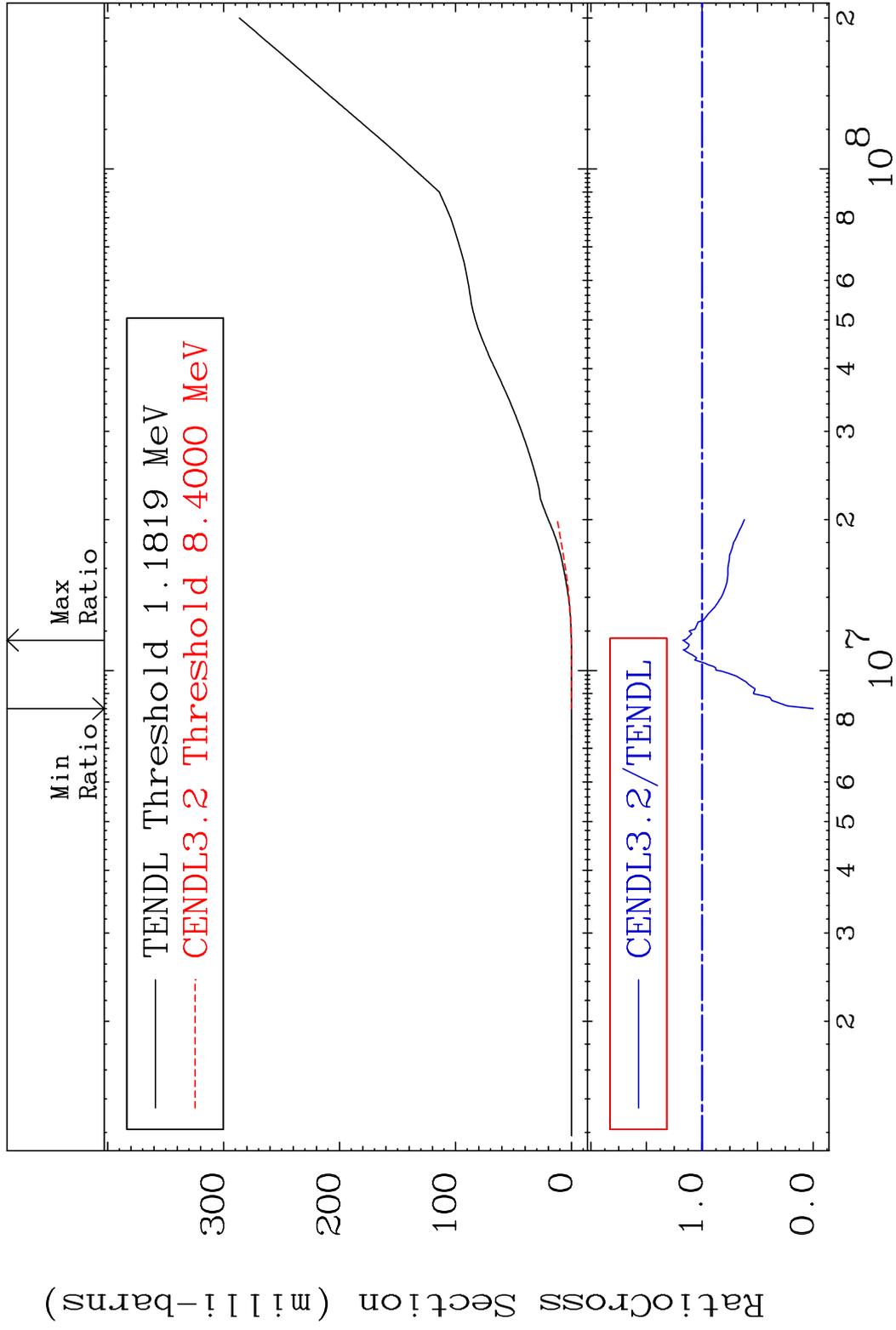
37-Rb-87

MAT 3731

He-4 Production

37-Rb-87

Cross Section -100.0 To 17.26 %

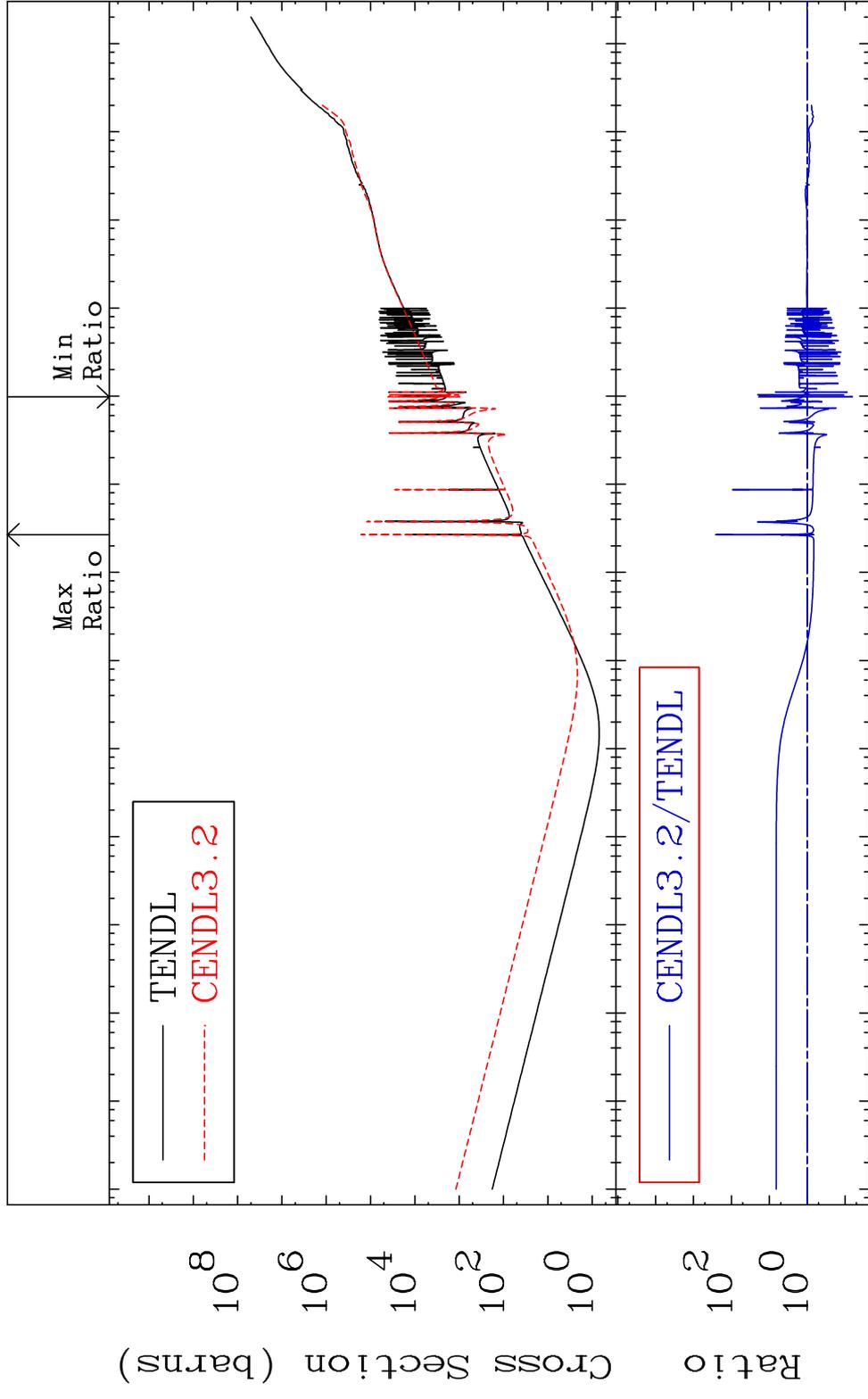


24

Incident Energy (eV)

37-Rb-87

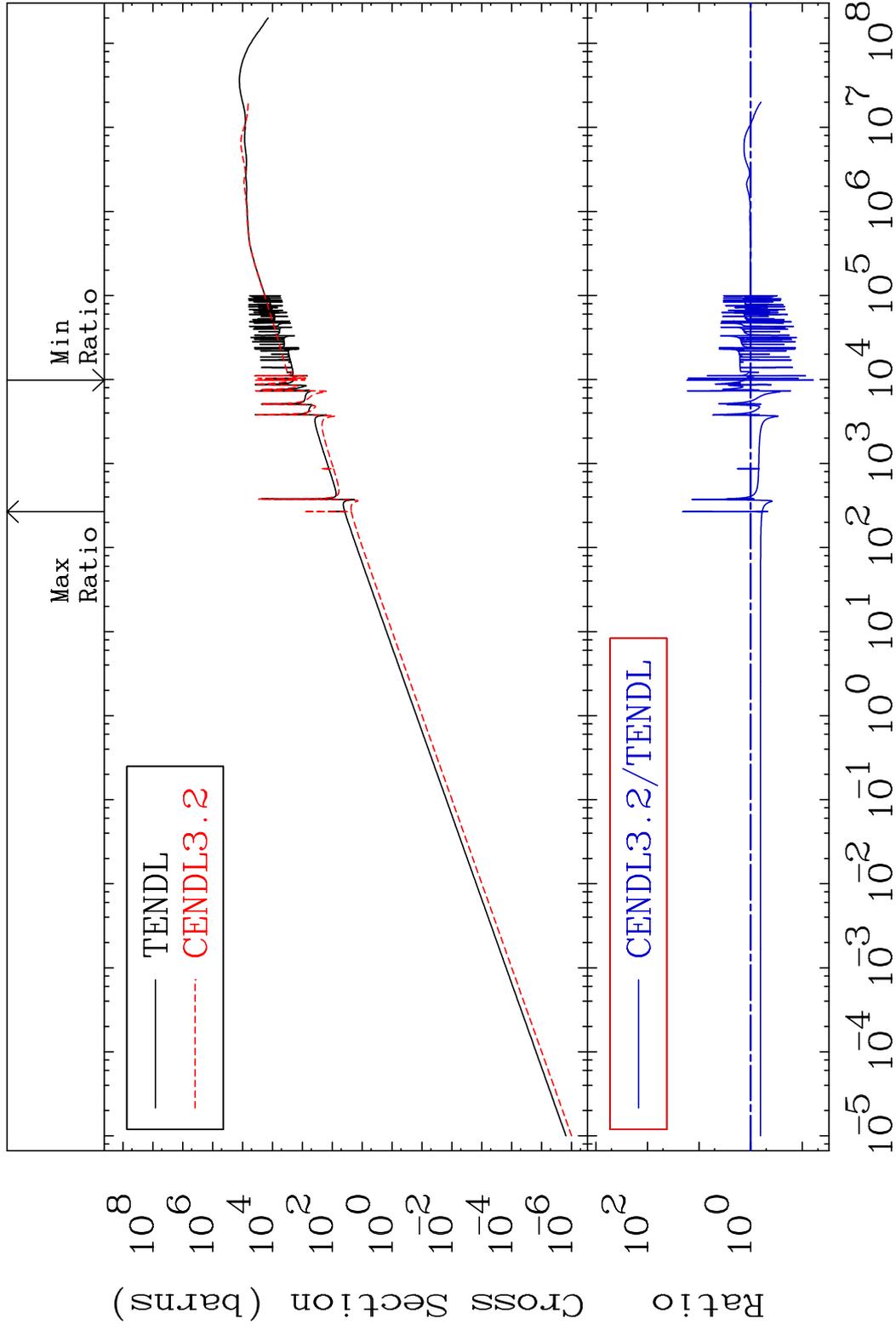
MAT 3731 Kerma total (eV-barns) 37-Rb-87
 Cross Section -93.66 To 9999. %



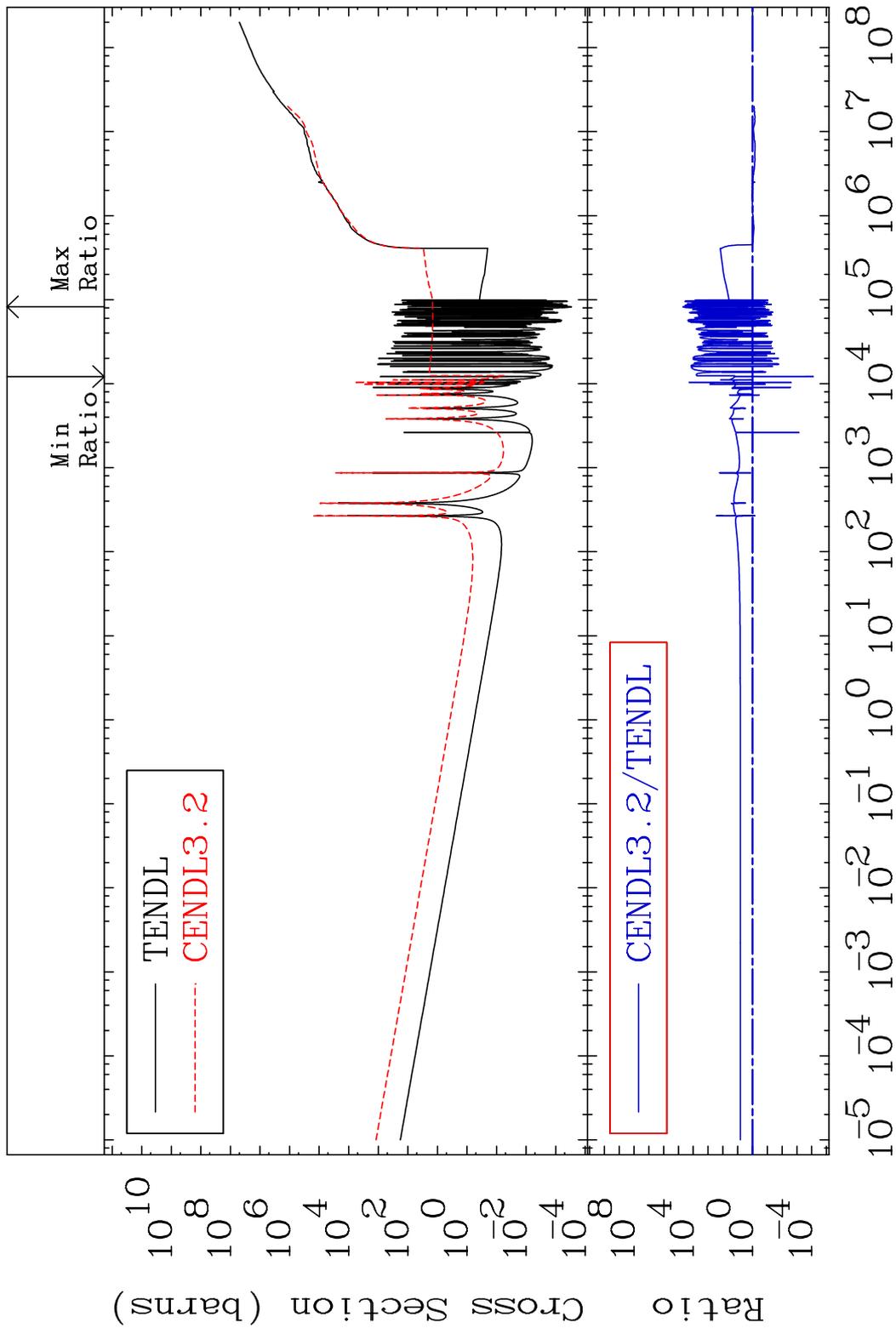
MAT 3731

Kerma elastic
Cross Section

37-Rb-87
-93.82 To 1974. %

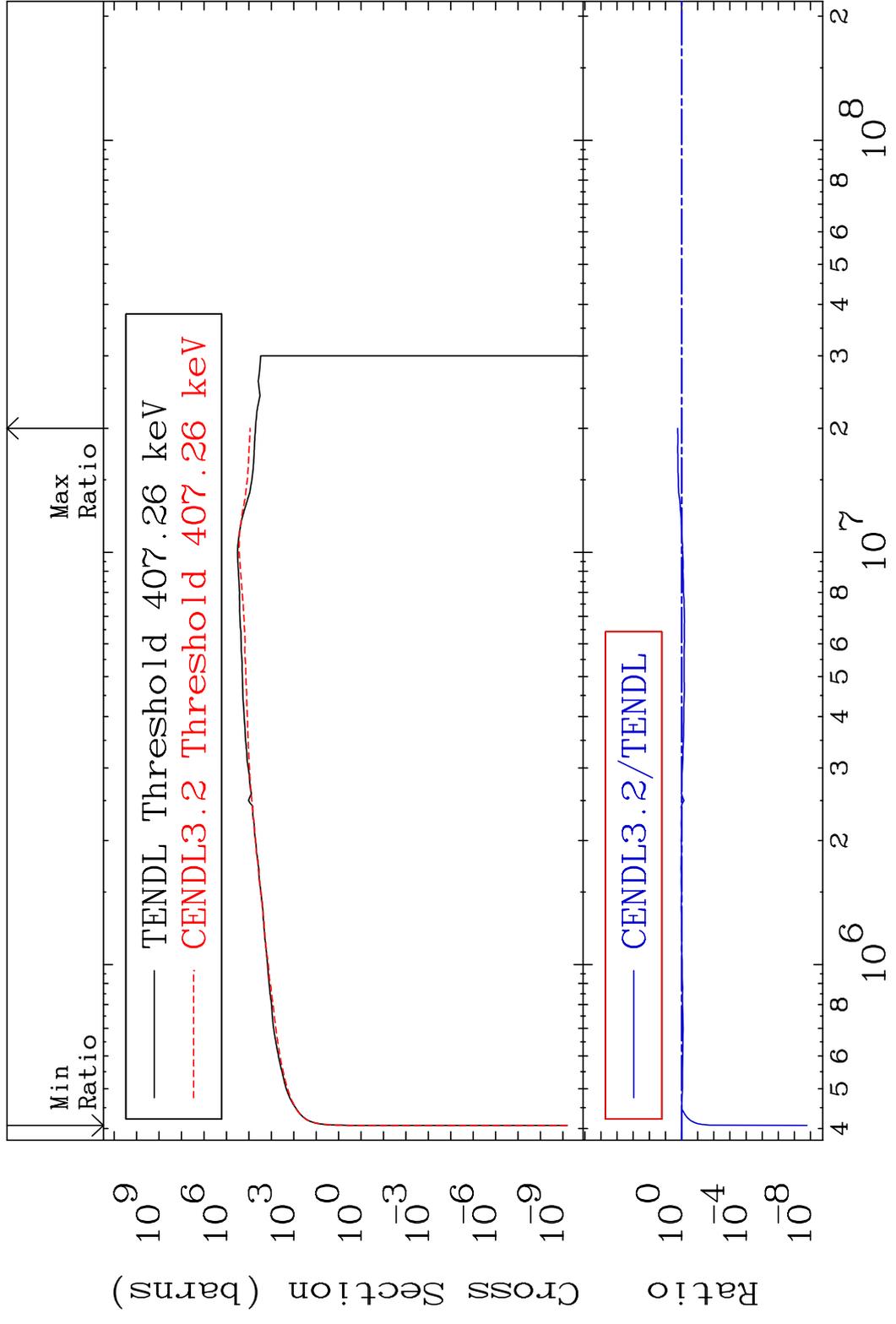


MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -99.99 To 9999. %

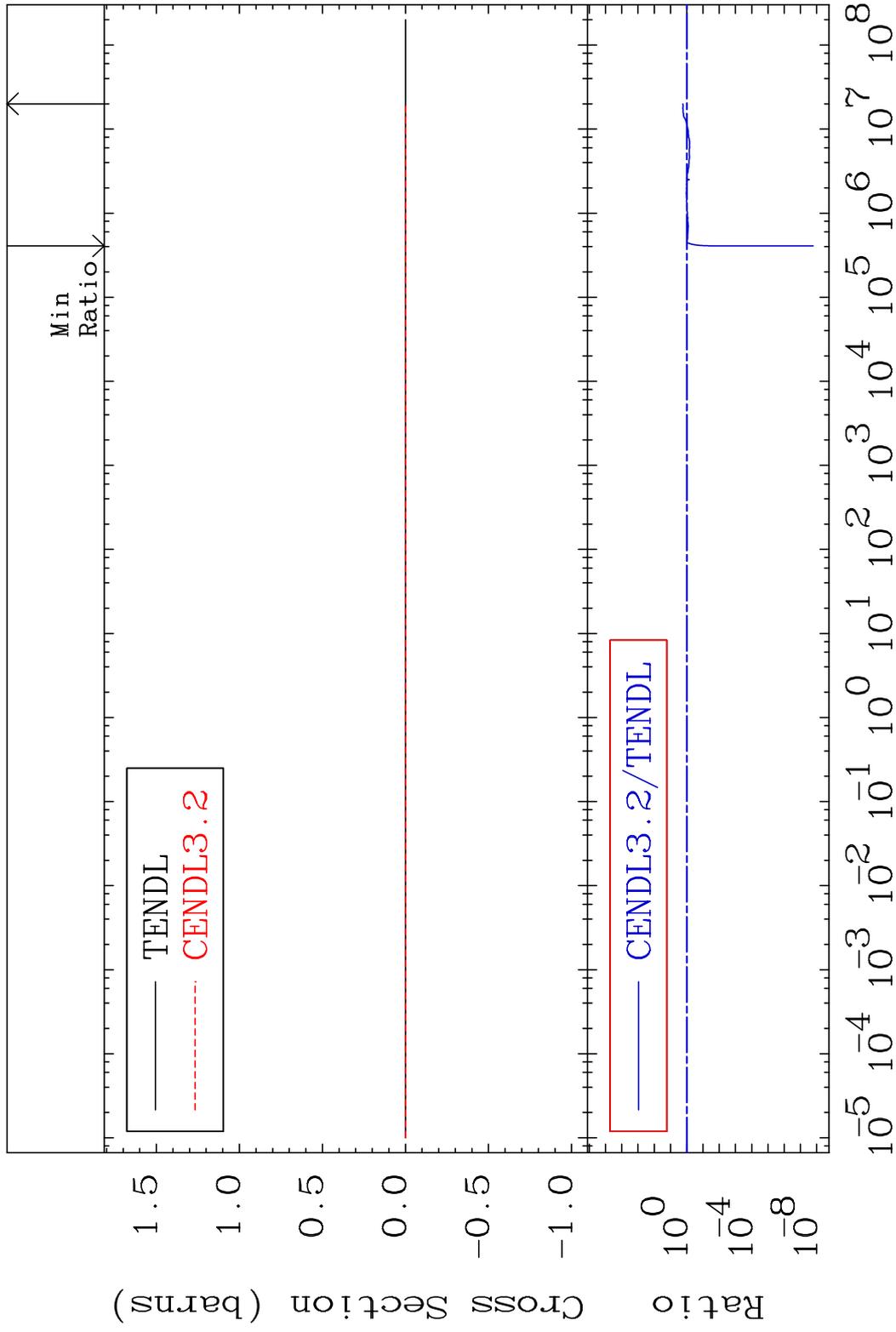


27 Incident Energy (eV) 37-Rb-87

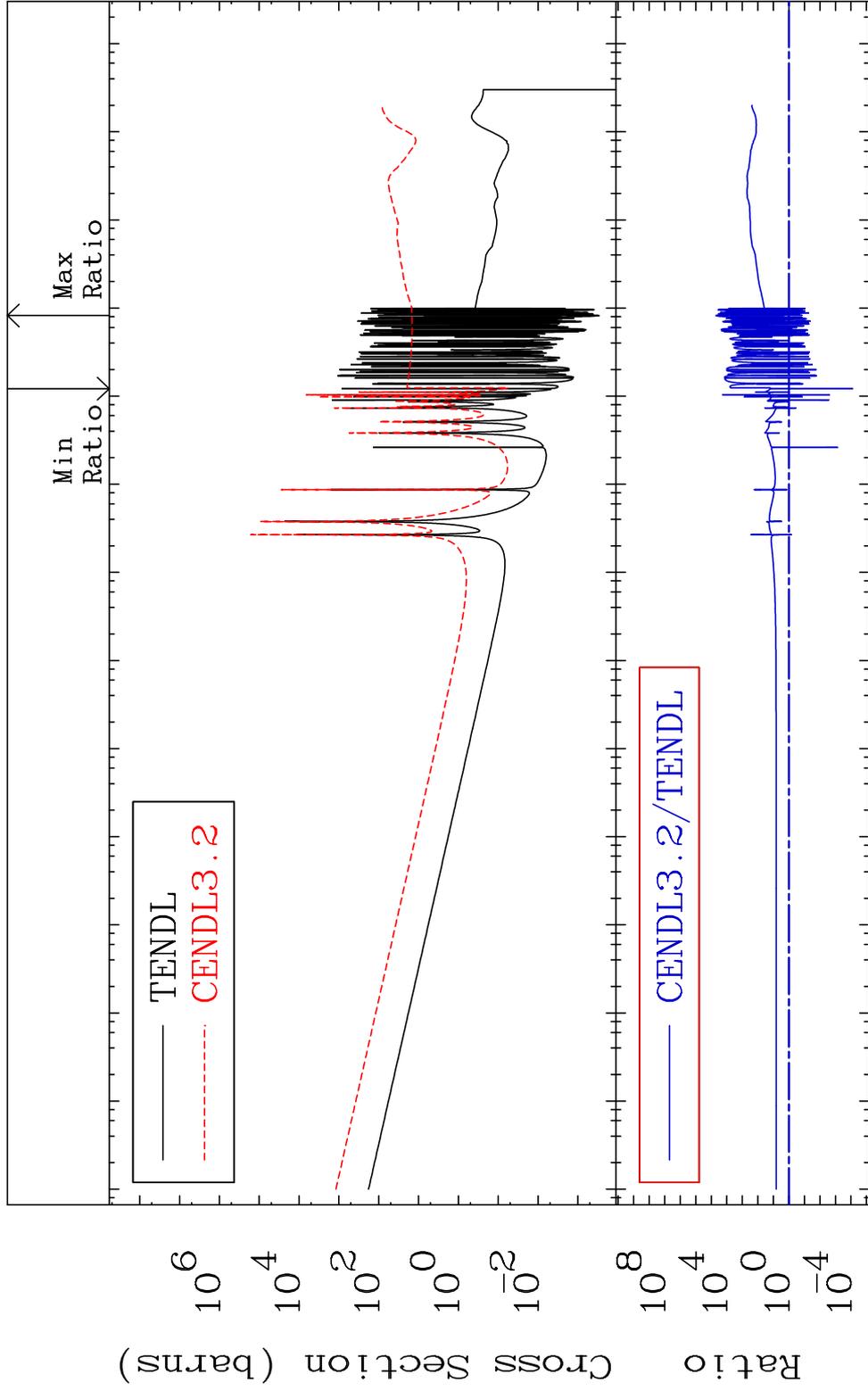
MAT 3731 Kerma inelastic (mt51-91) 37-Rb-87
 Cross Section -100.0 To 73.99 %



MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
 Cross Section -100.0 To 73.99 %

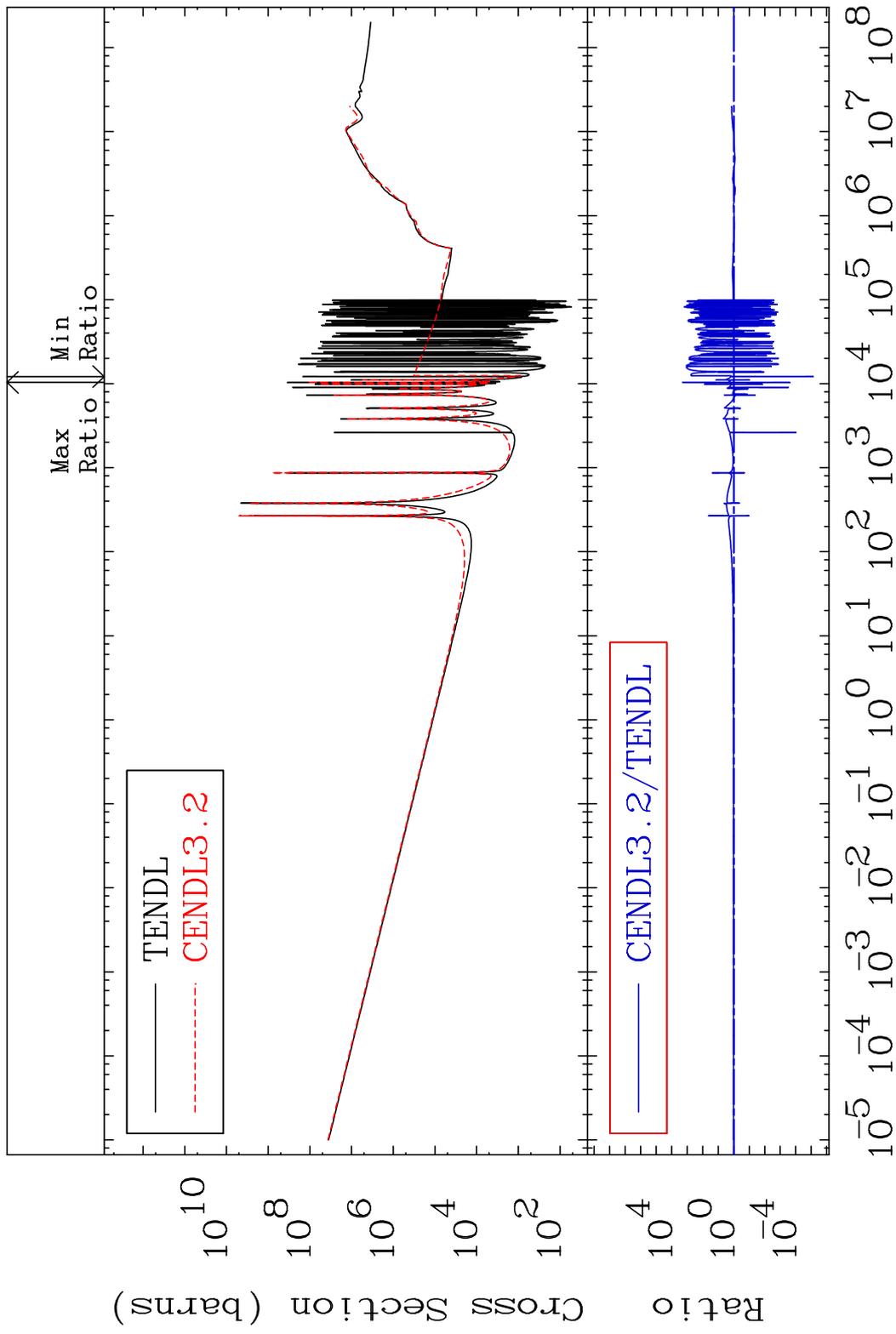


MAT 3731 Kerma capture (mt102) 37-Rb-87
 Cross Section -99.99 To 9999. %



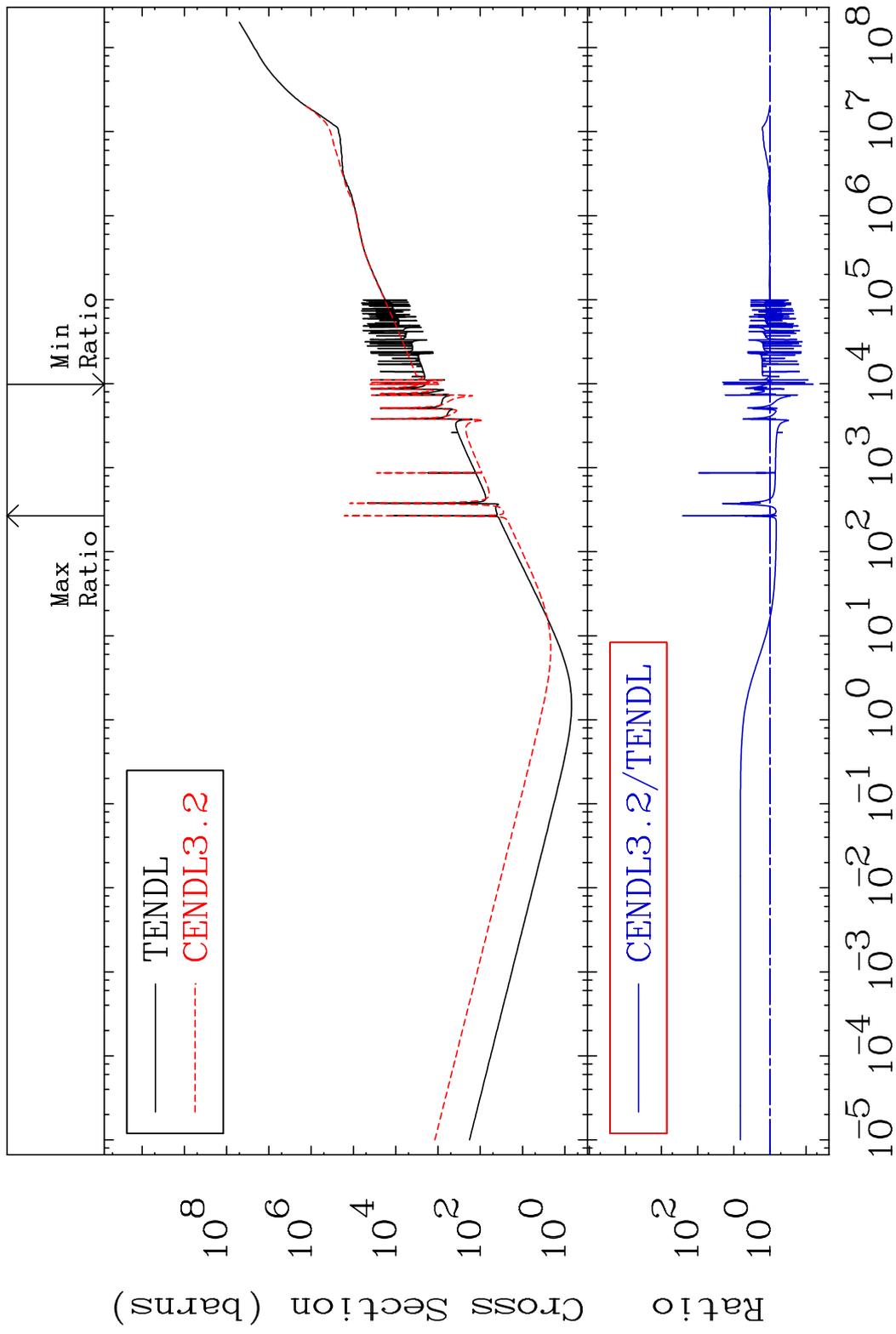
30 Incident Energy (eV) 37-Rb-87

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



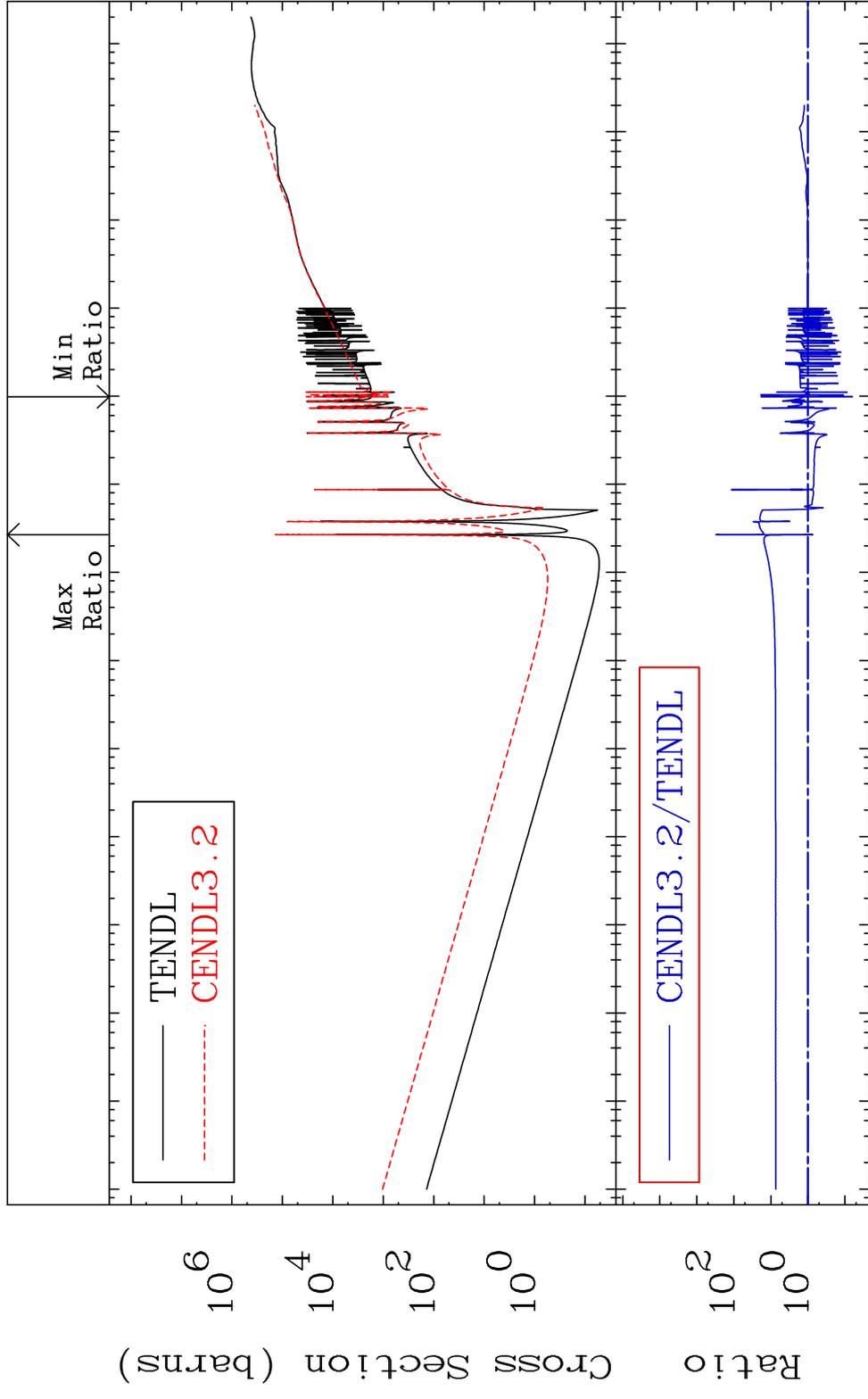
31 Incident Energy (eV) 37-Rb-87

MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
 Cross Section -93.66 To 9999. %



32 Incident Energy (eV) 37-Rb-87

MAT 3731 Dpa total (eV-barns) 37-Rb-87
 Cross Section -93.74 To 9999. %



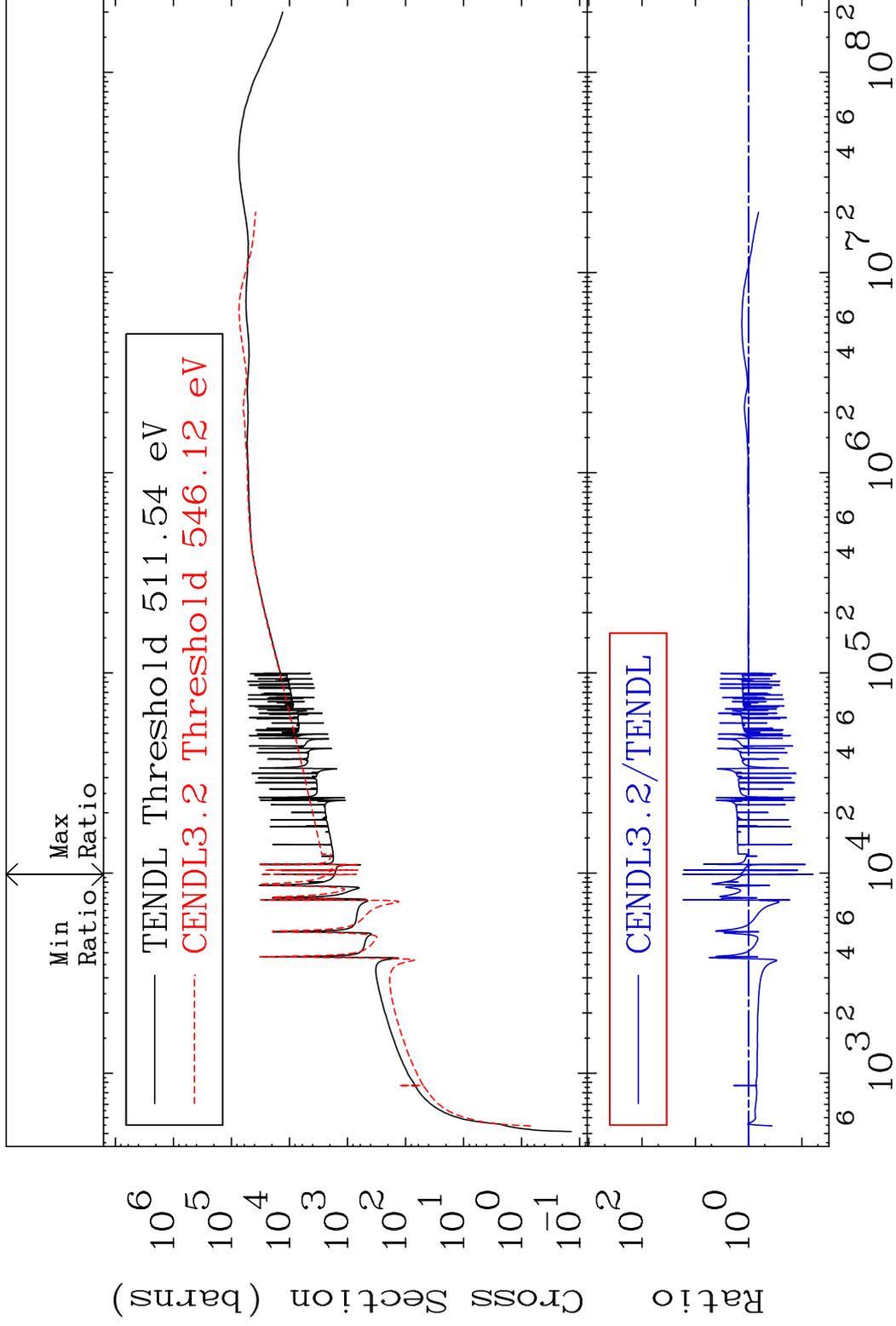
33 Incident Energy (eV) 37-Rb-87

MAT 3731

Dpa elastic (mt2)

37-Rb-87

Cross Section -93.82 To 1633. %

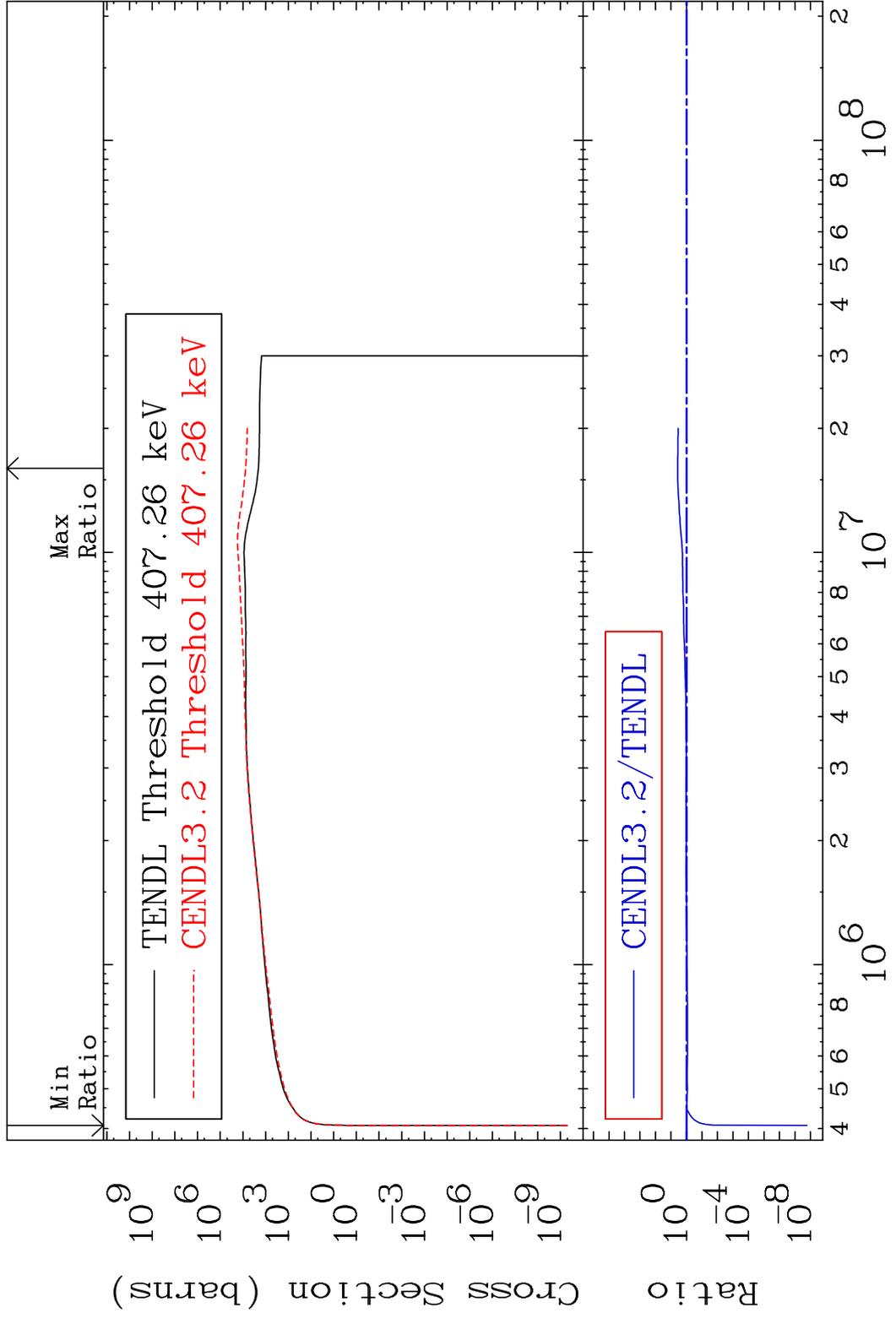


34

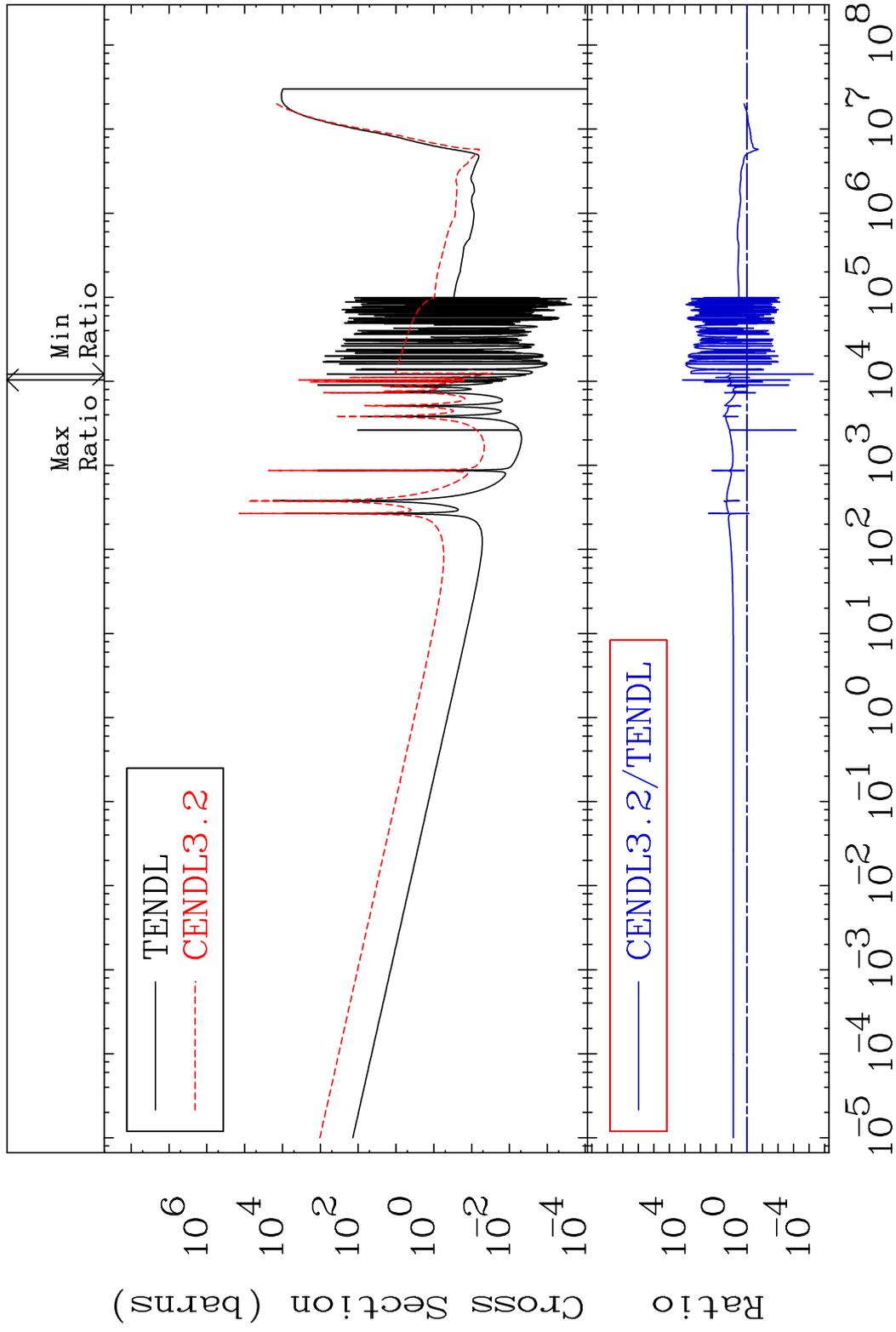
Incident Energy (eV)

37-Rb-87

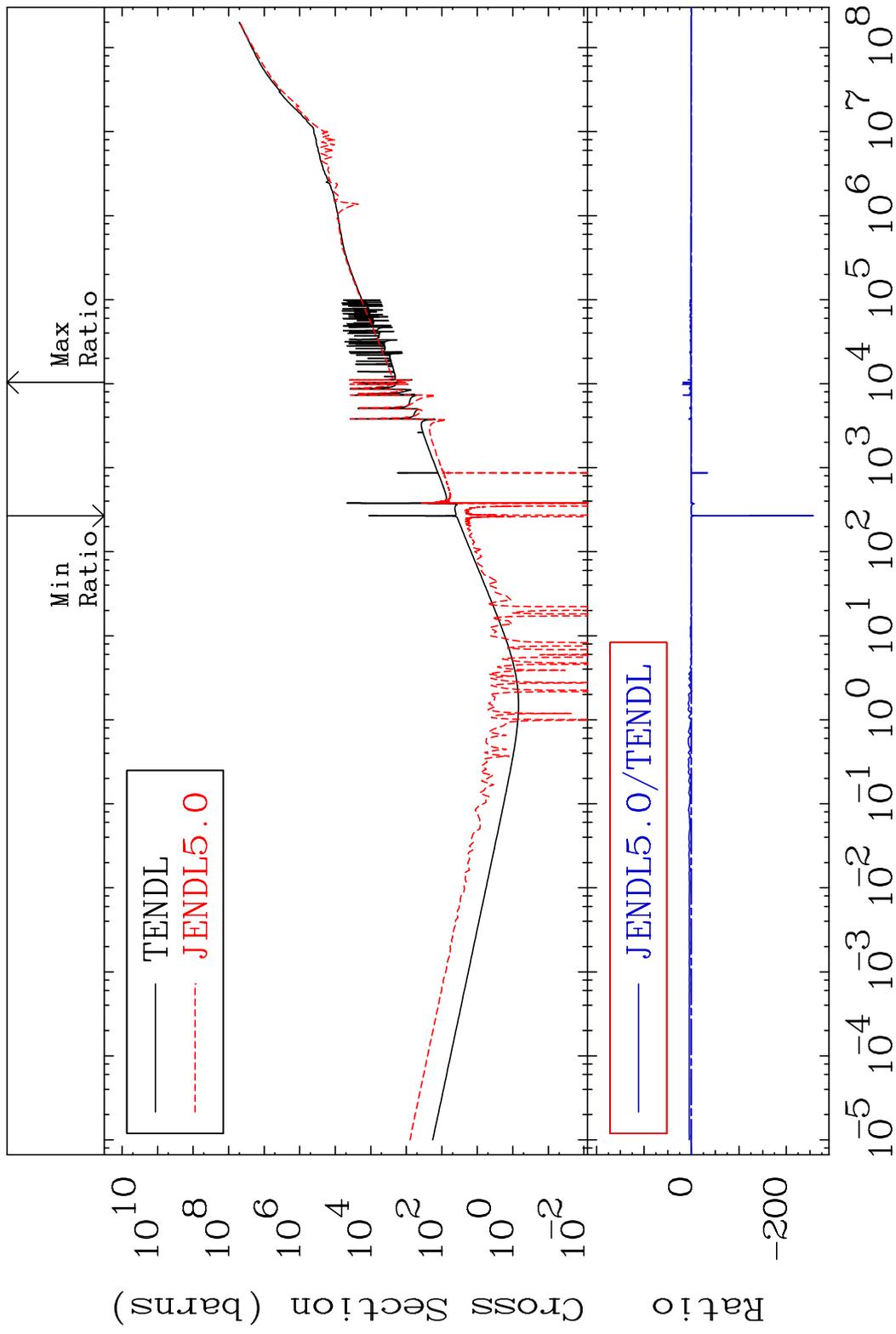
MAT 3731 Dpa inelastic (mt51-91) 37-Rb-87
 Cross Section -100.0 To 269.0 %



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



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

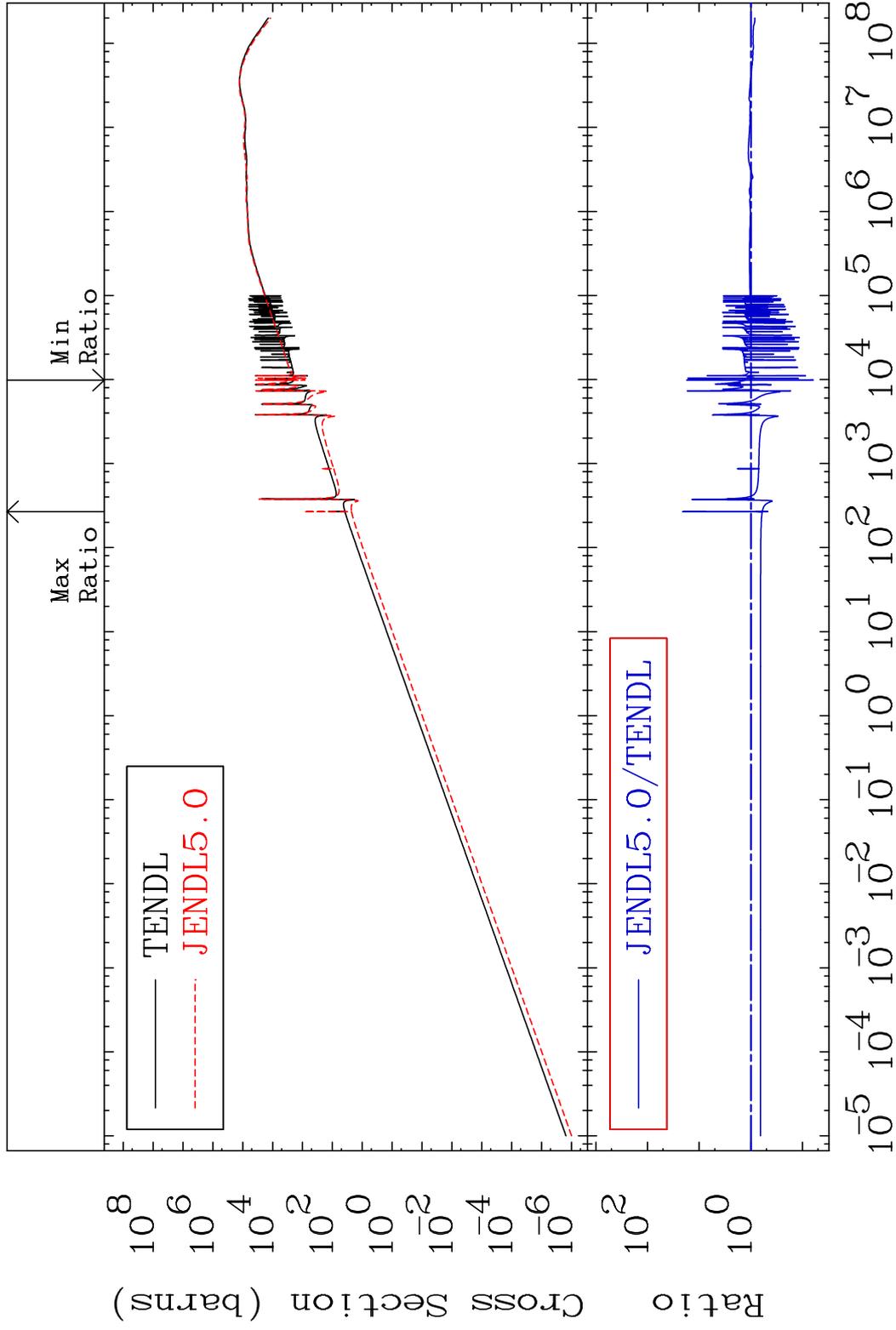


37 Incident Energy (eV) 37-Rb-87

MAT 3731

Kerma elastic
Cross Section

37-Rb-87
-93.80 To 1974. %

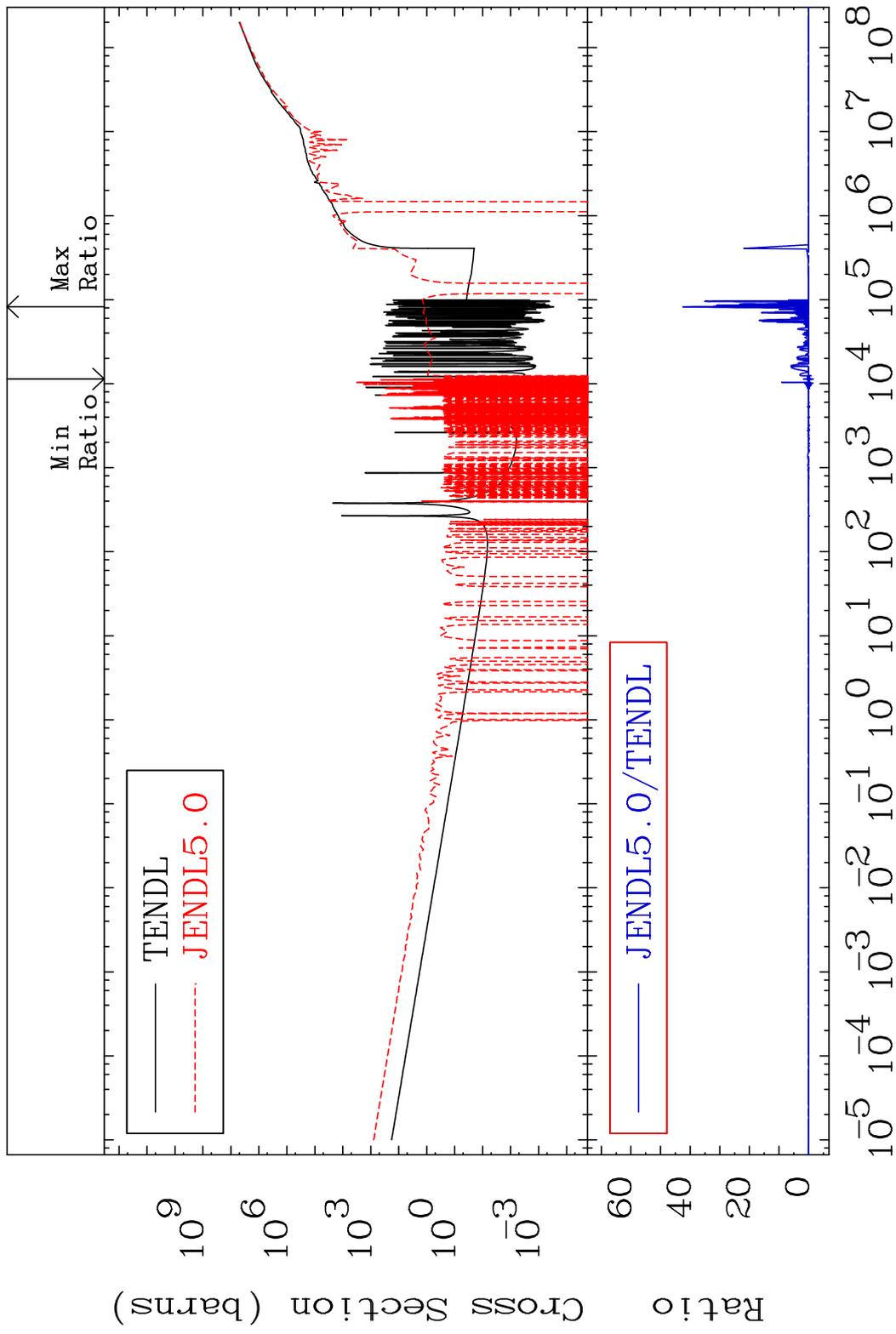


38

Incident Energy (eV)

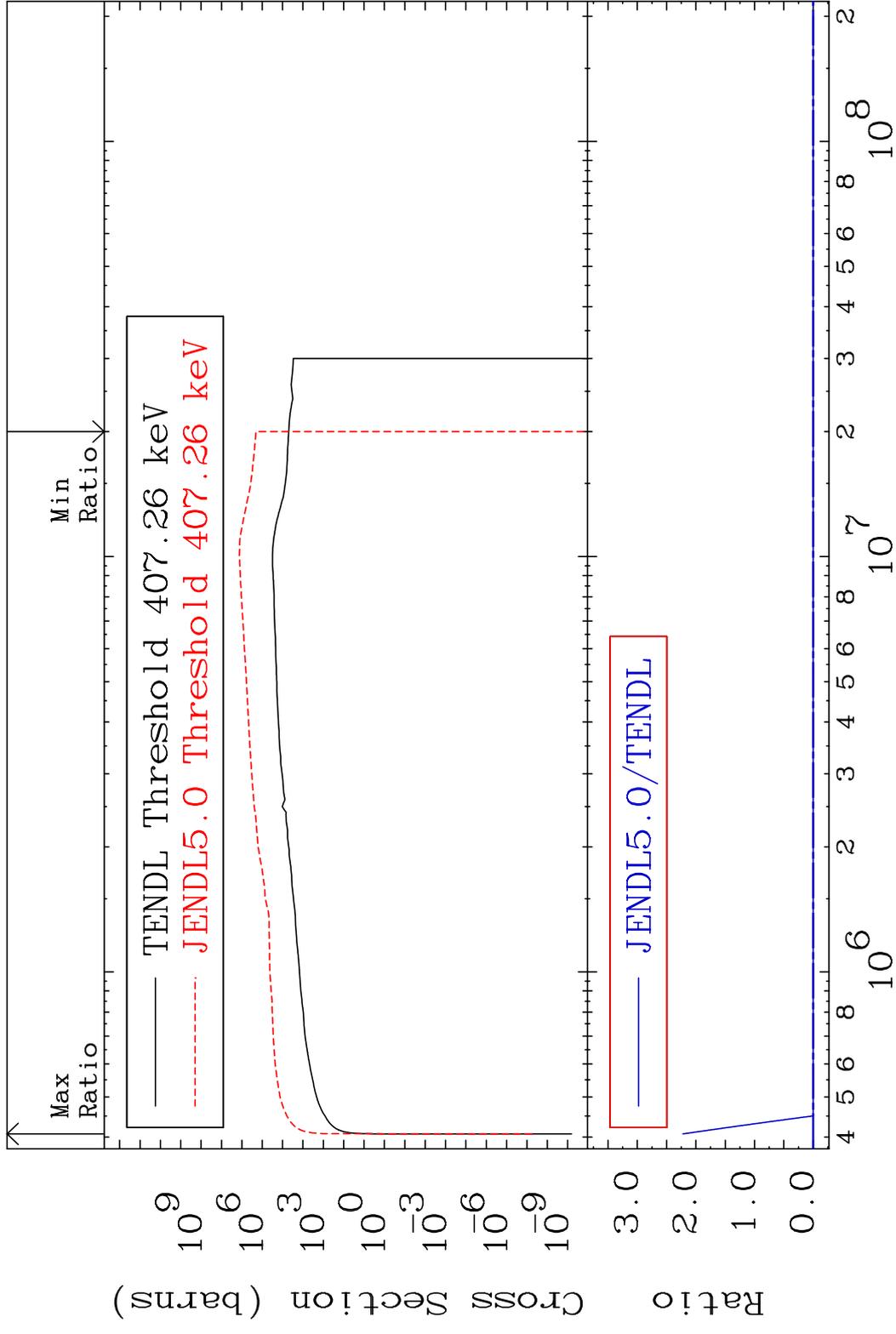
37-Rb-87

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



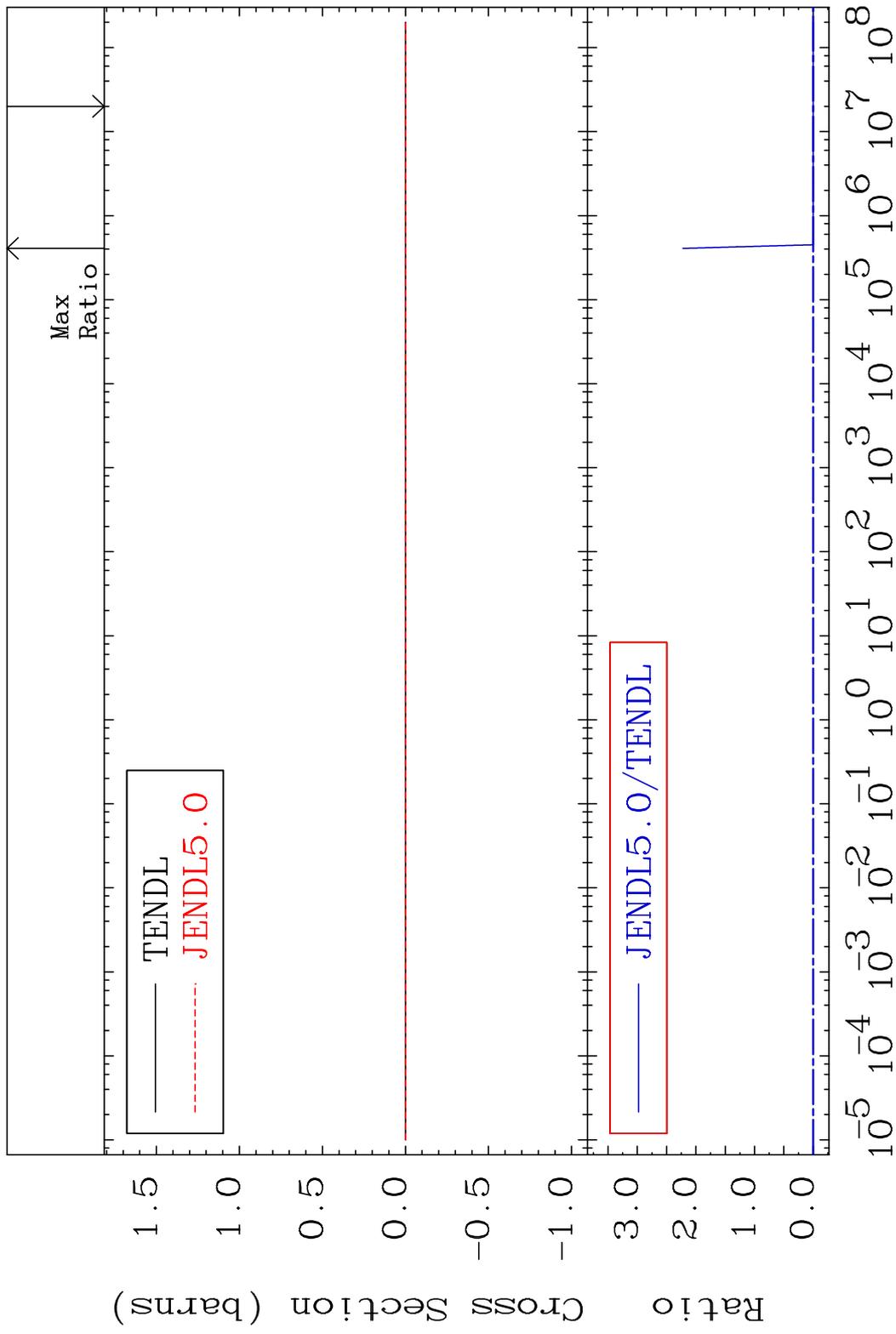
39 Incident Energy (eV) 37-Rb-87

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

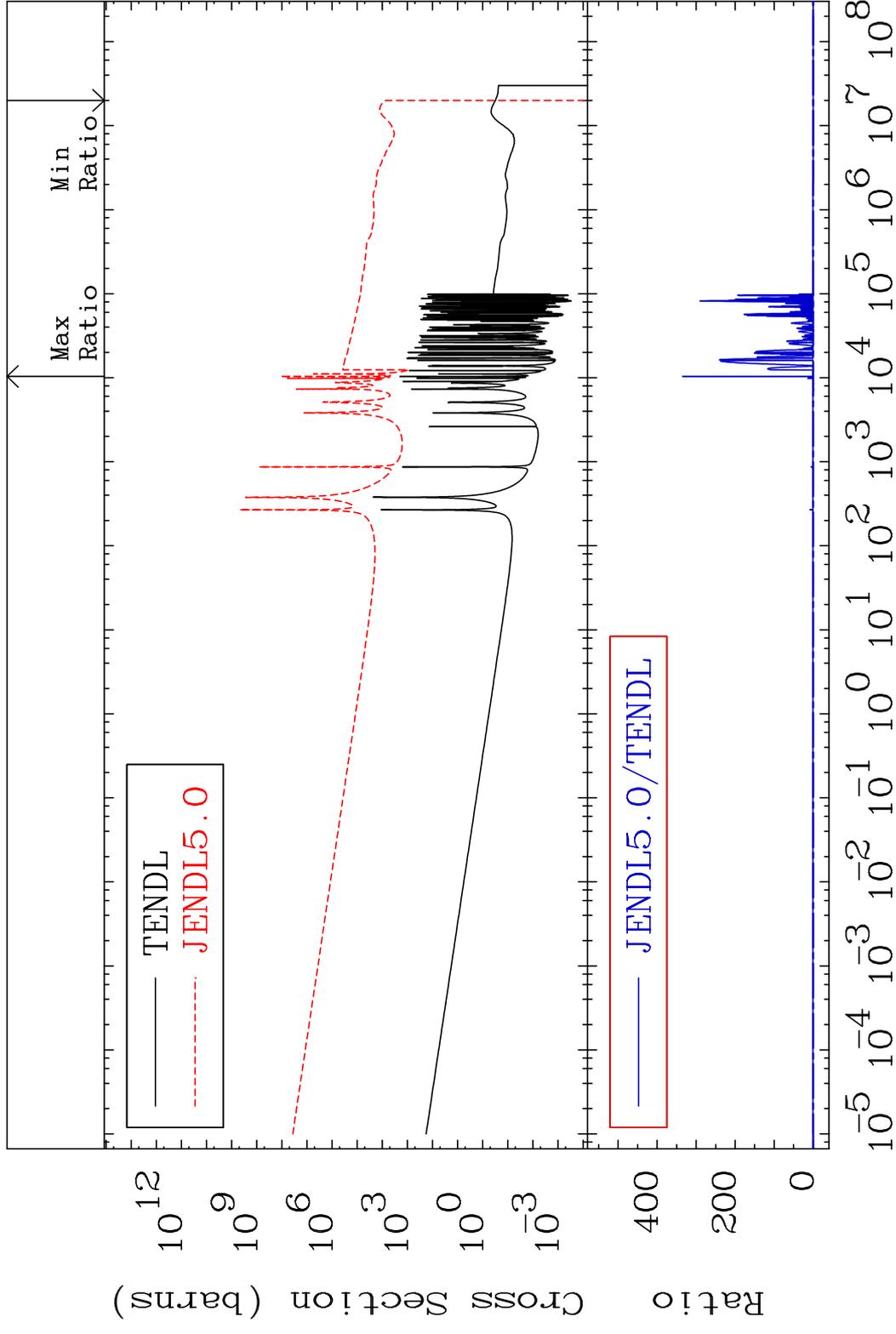


40 Incident Energy (eV) 37-Rb-87

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

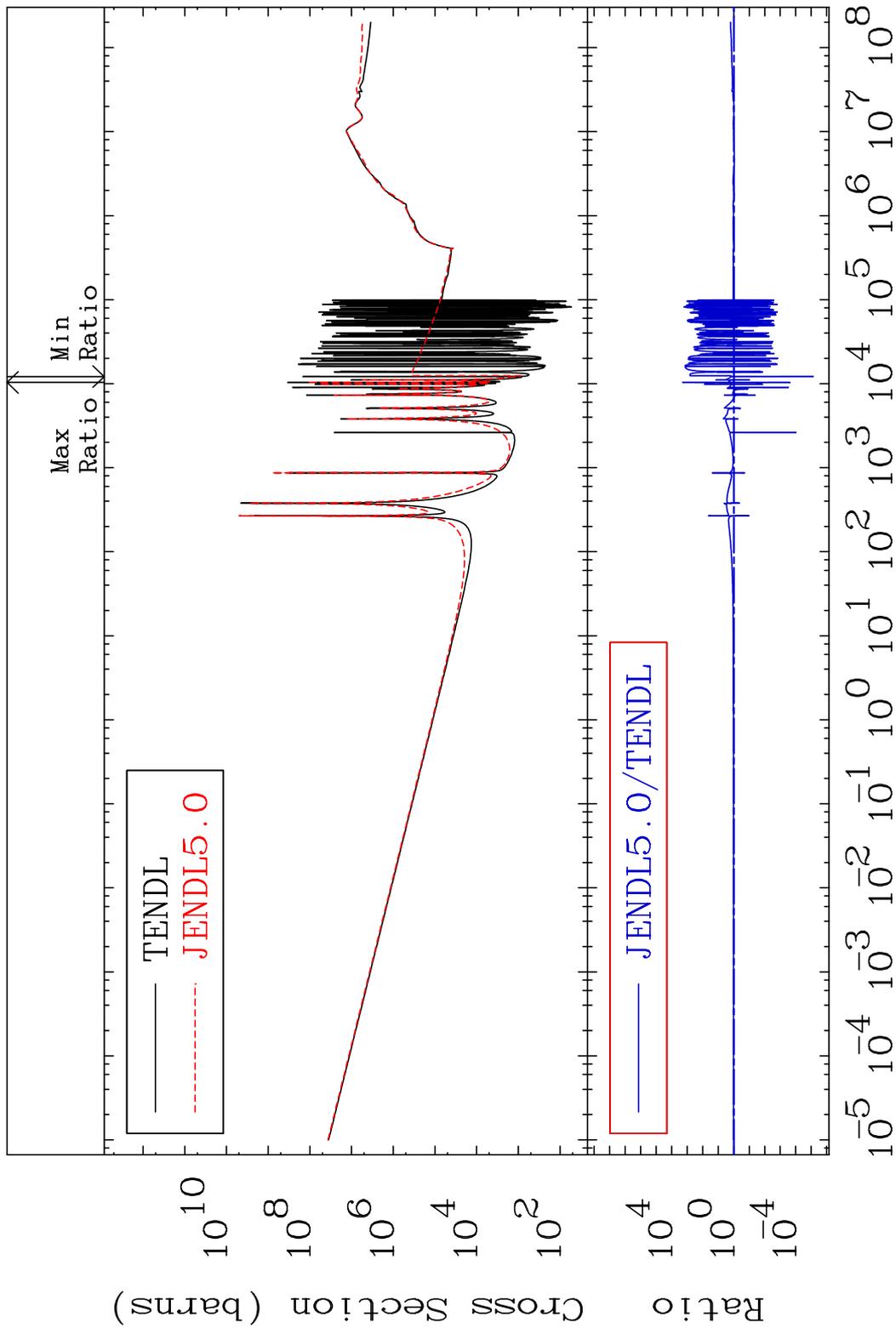


MAT 3731 Kerma capture (mt102) 37-Rb-87
 Cross Section -100.0 To 9999. %



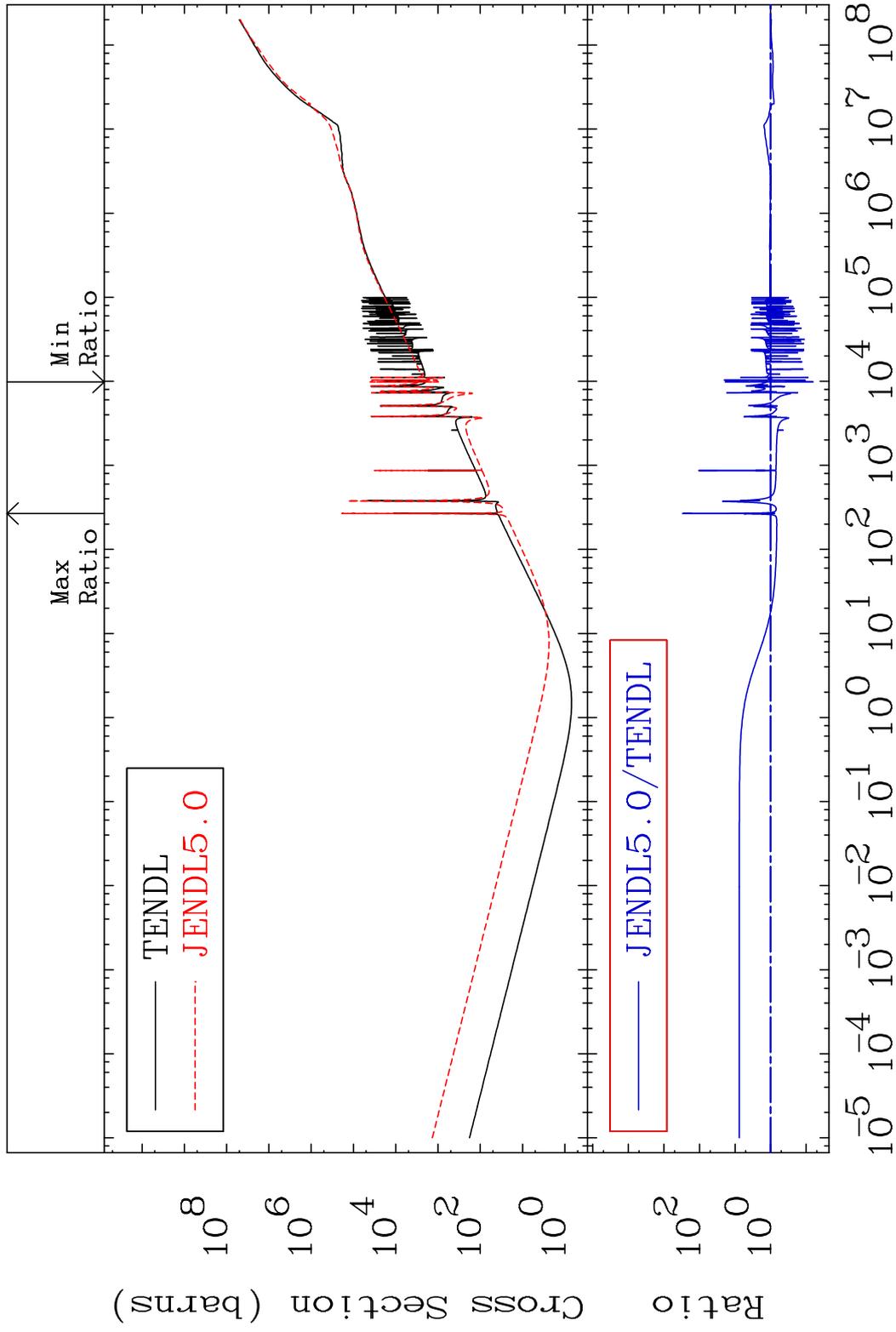
42 Incident Energy (eV) 37-Rb-87

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



43 Incident Energy (eV) 37-Rb-87

MAT 3731 Total kinematic kerma (high limit) 37-Rb-87
 Cross Section -93.63 To 9999. %

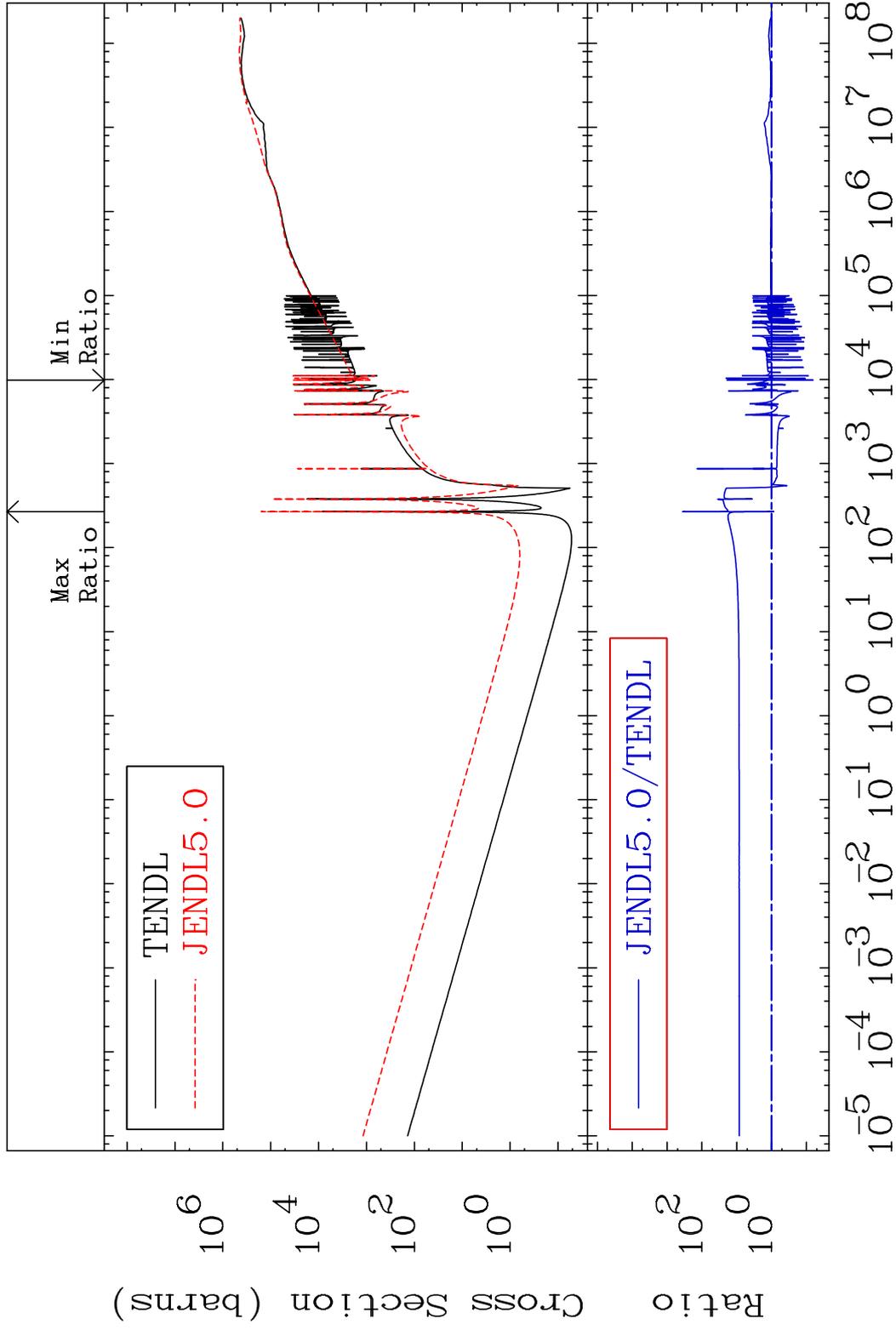


MAT 3731

Dpa total (eV-barns)

37-Rb-87

Cross Section -93.62 To 9999. %



45

Incident Energy (eV)

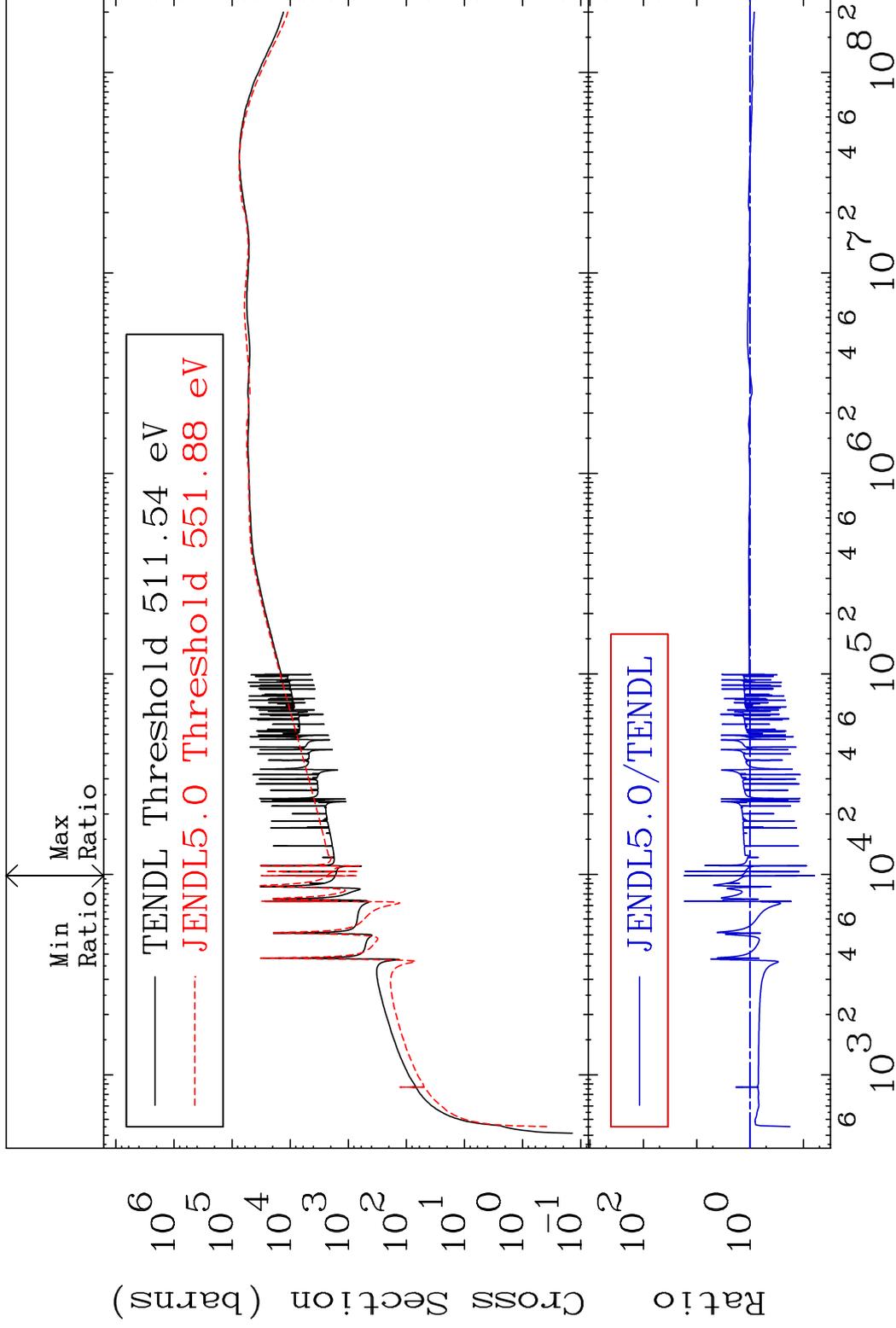
37-Rb-87

MAT 3731

Dpa elastic (mt2)

37-Rb-87

Cross Section -93.80 To 1639. %

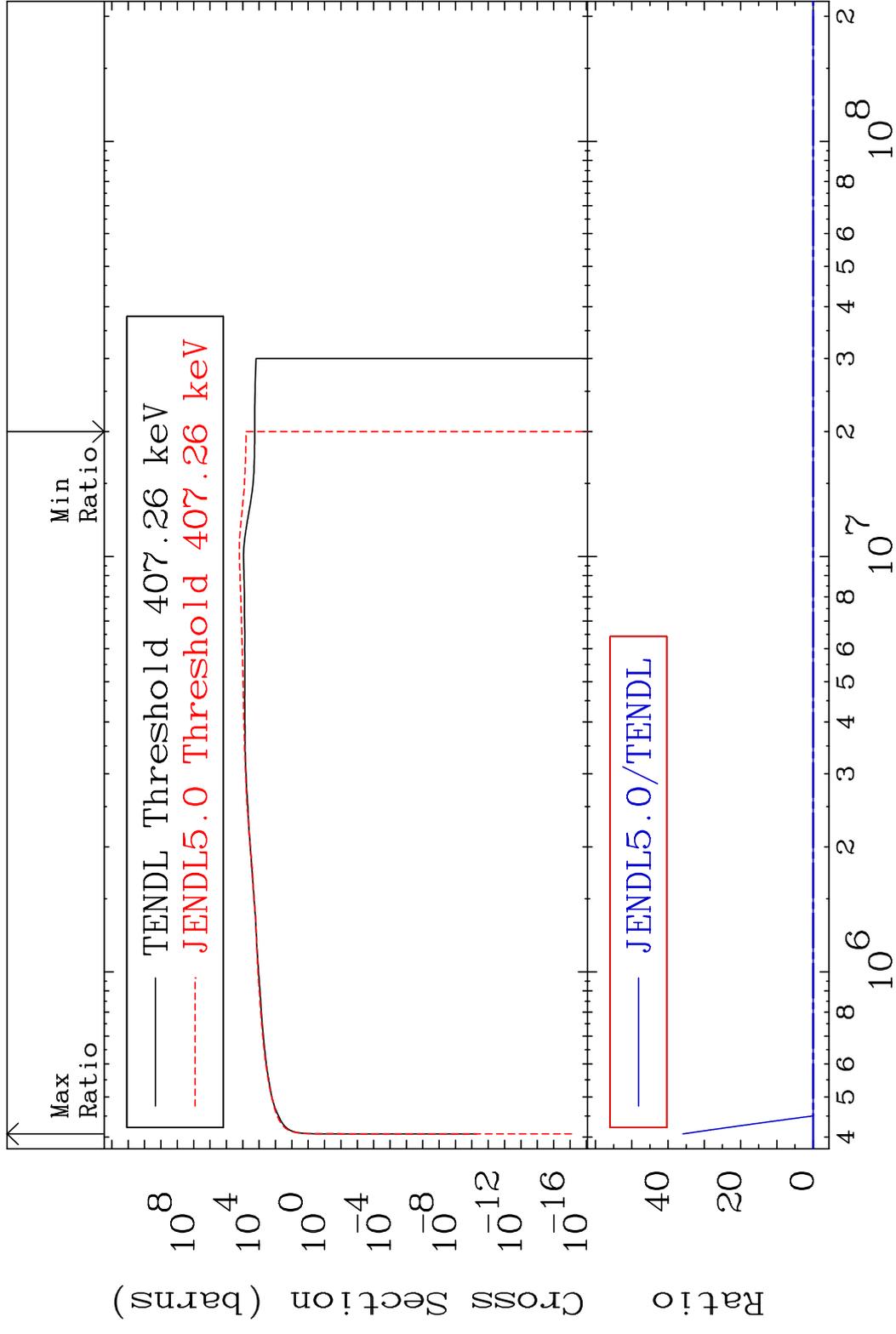


46

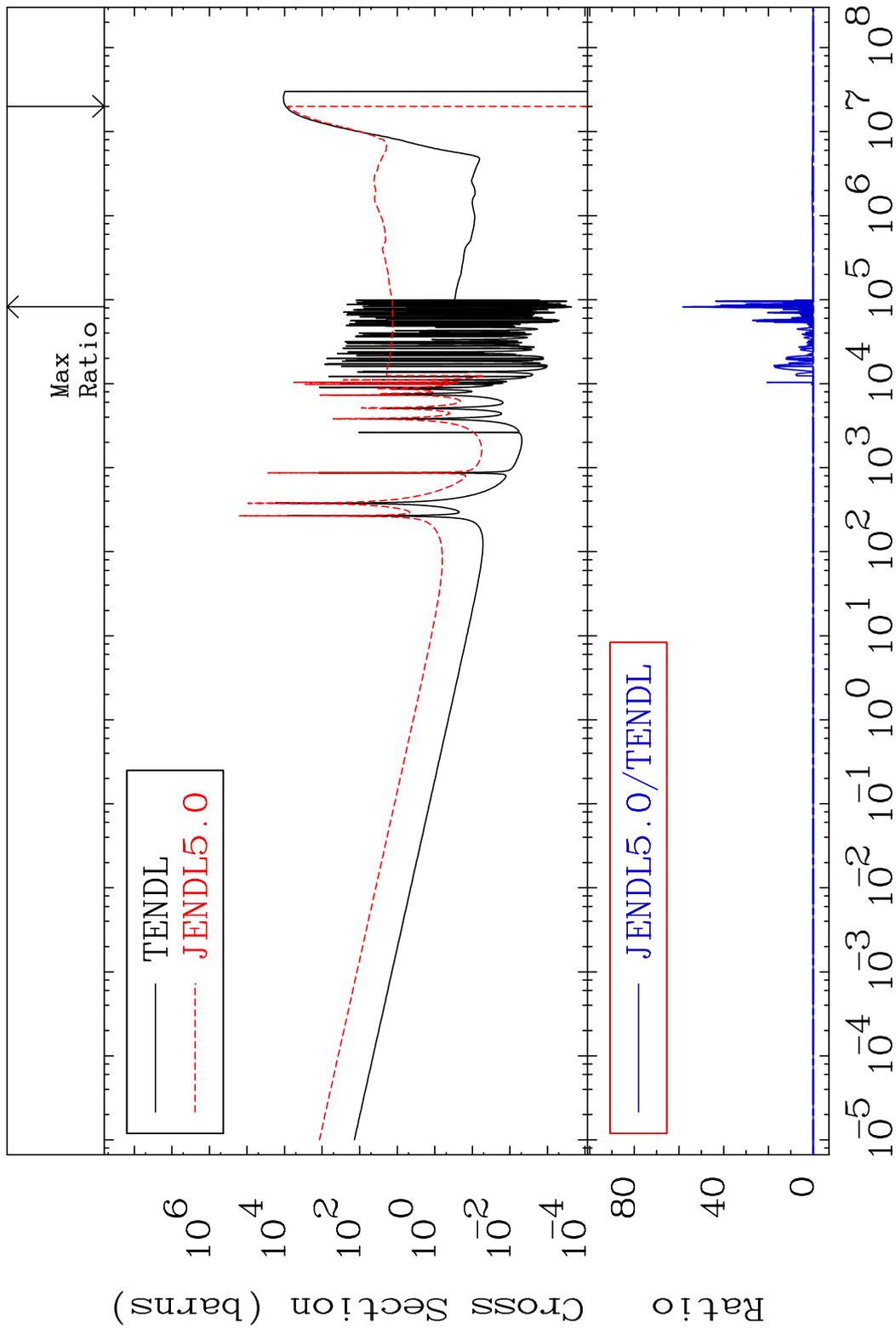
Incident Energy (eV)

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. %



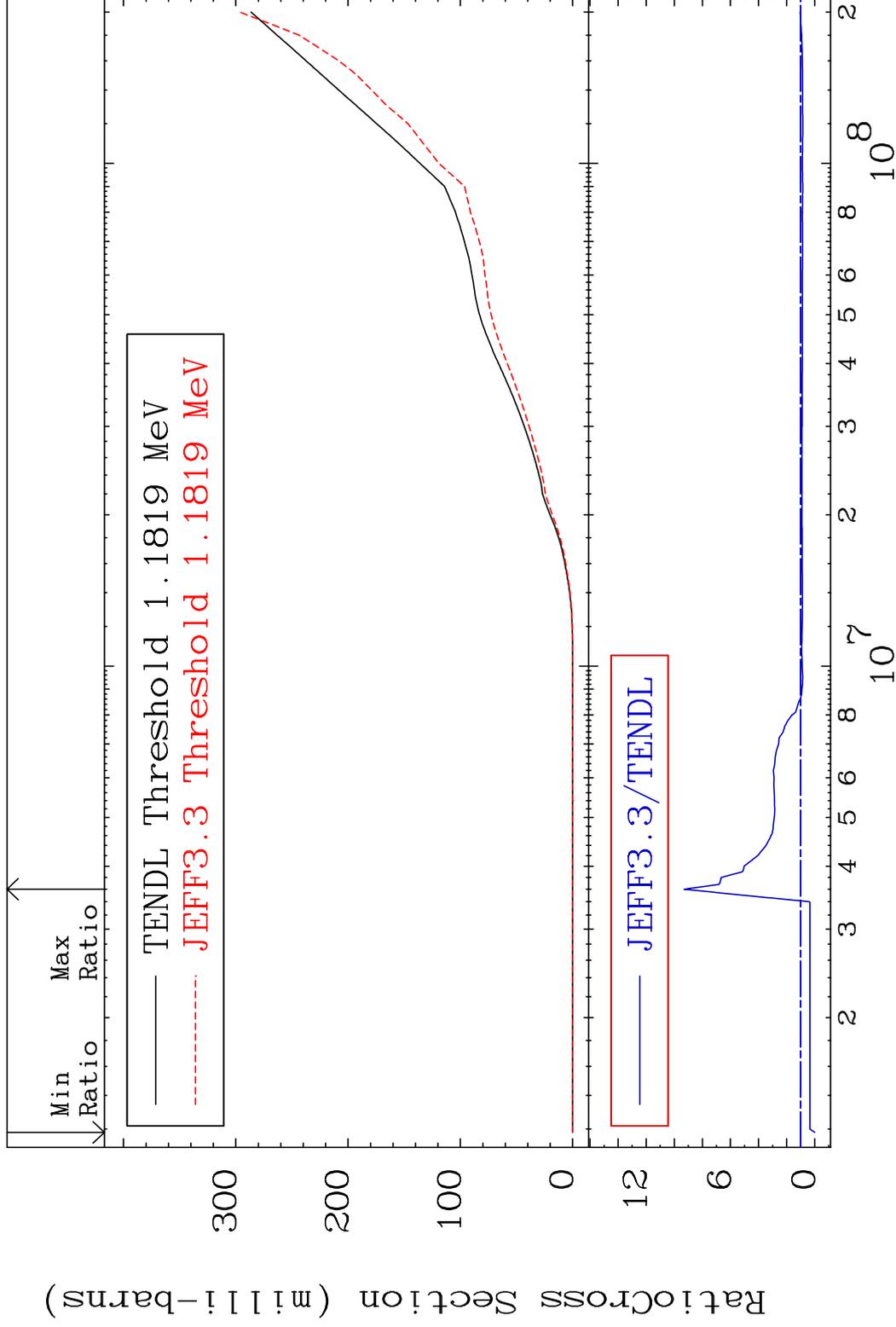
48 Incident Energy (eV) 37-Rb-87

MAT 3731

He-4 Production

37-Rb-87

Cross Section -100.0 To 829.7 %



49

Incident Energy (eV)

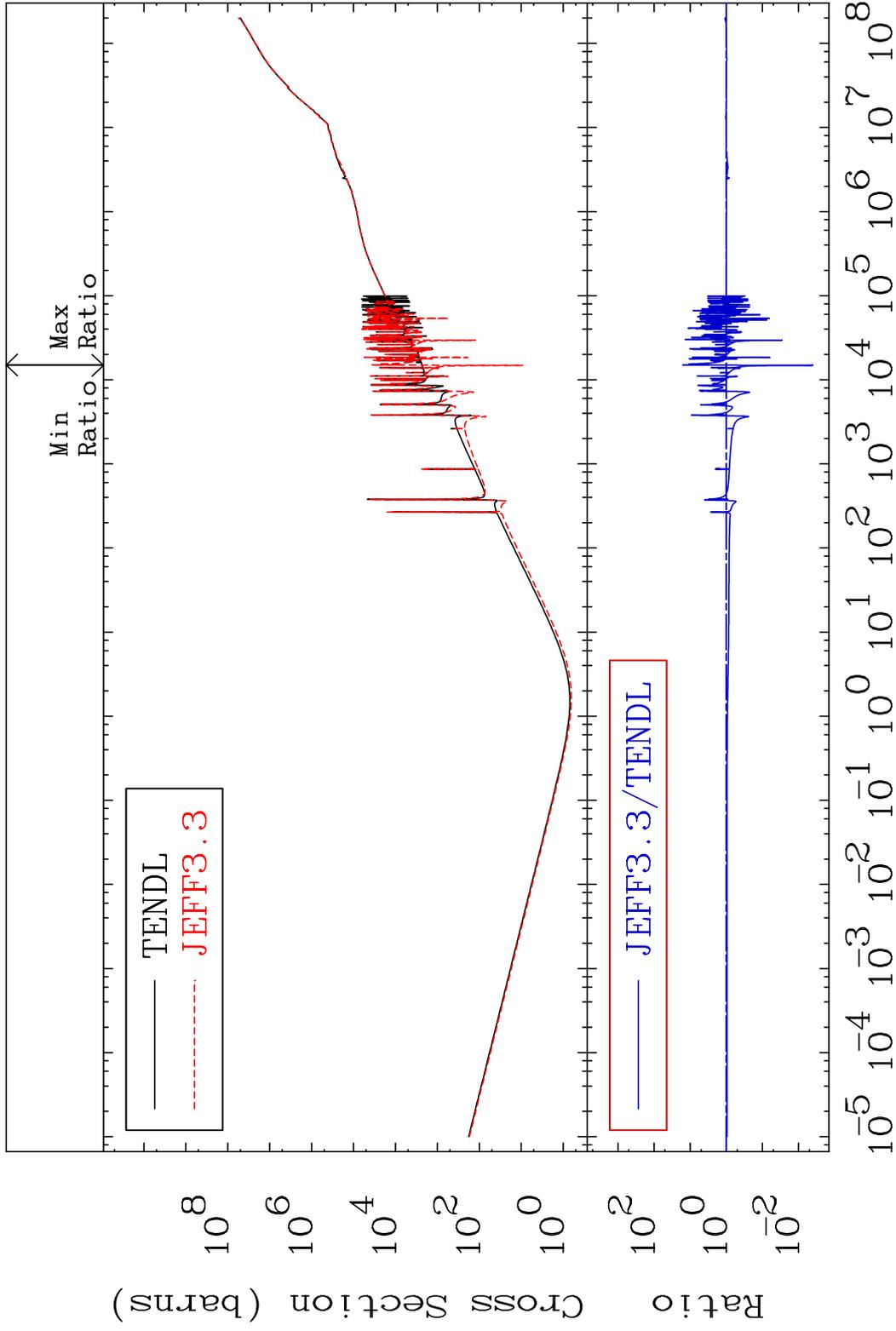
37-Rb-87

MAT 3731

Kerma total (eV-barns)

37-Rb-87

Cross Section -99.60 To 1520. %



50

Incident Energy (eV)

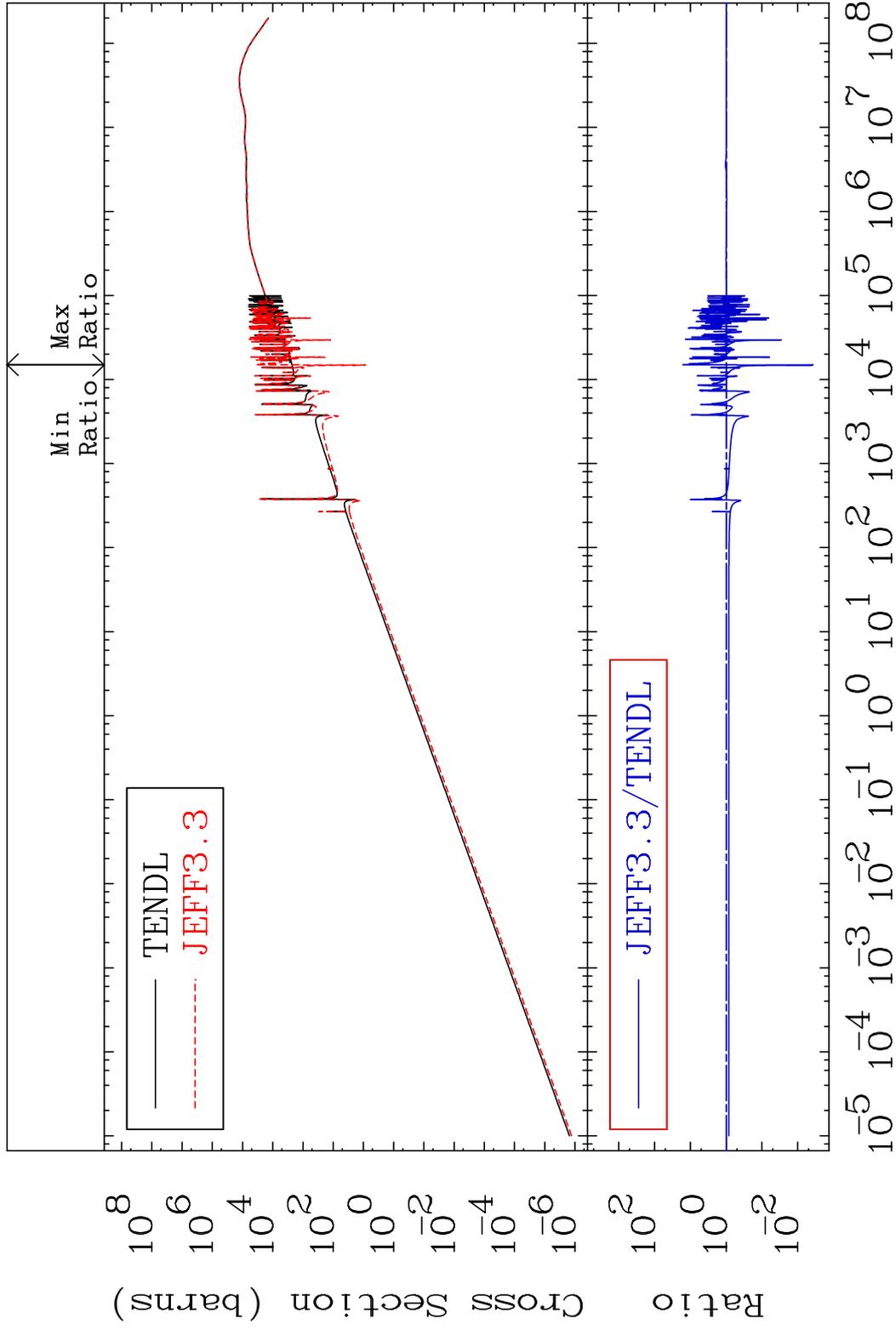
37-Rb-87

MAT 3731

Kerma elastic

37-Rb-87

Cross Section -99.63 To 1519. %

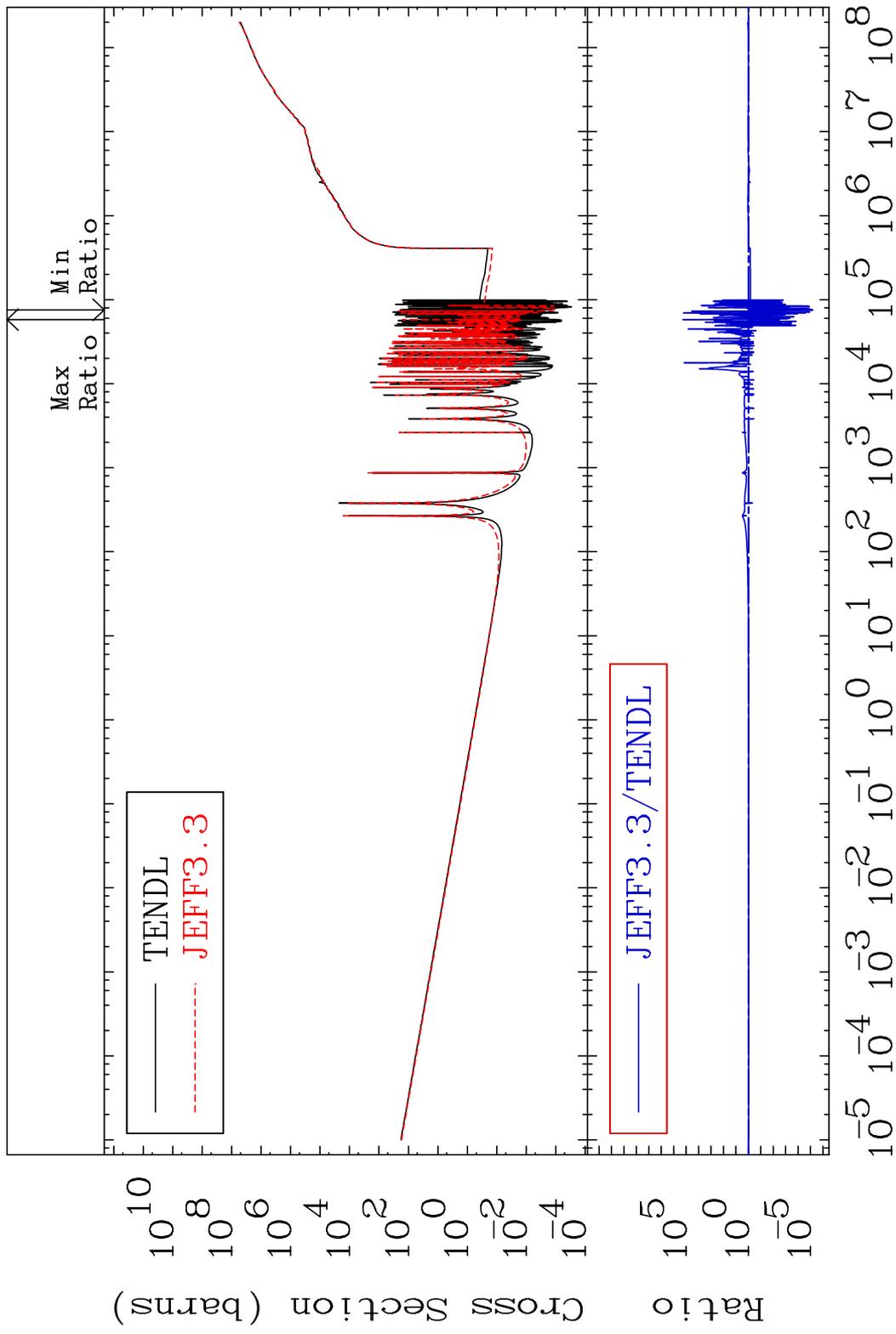


51

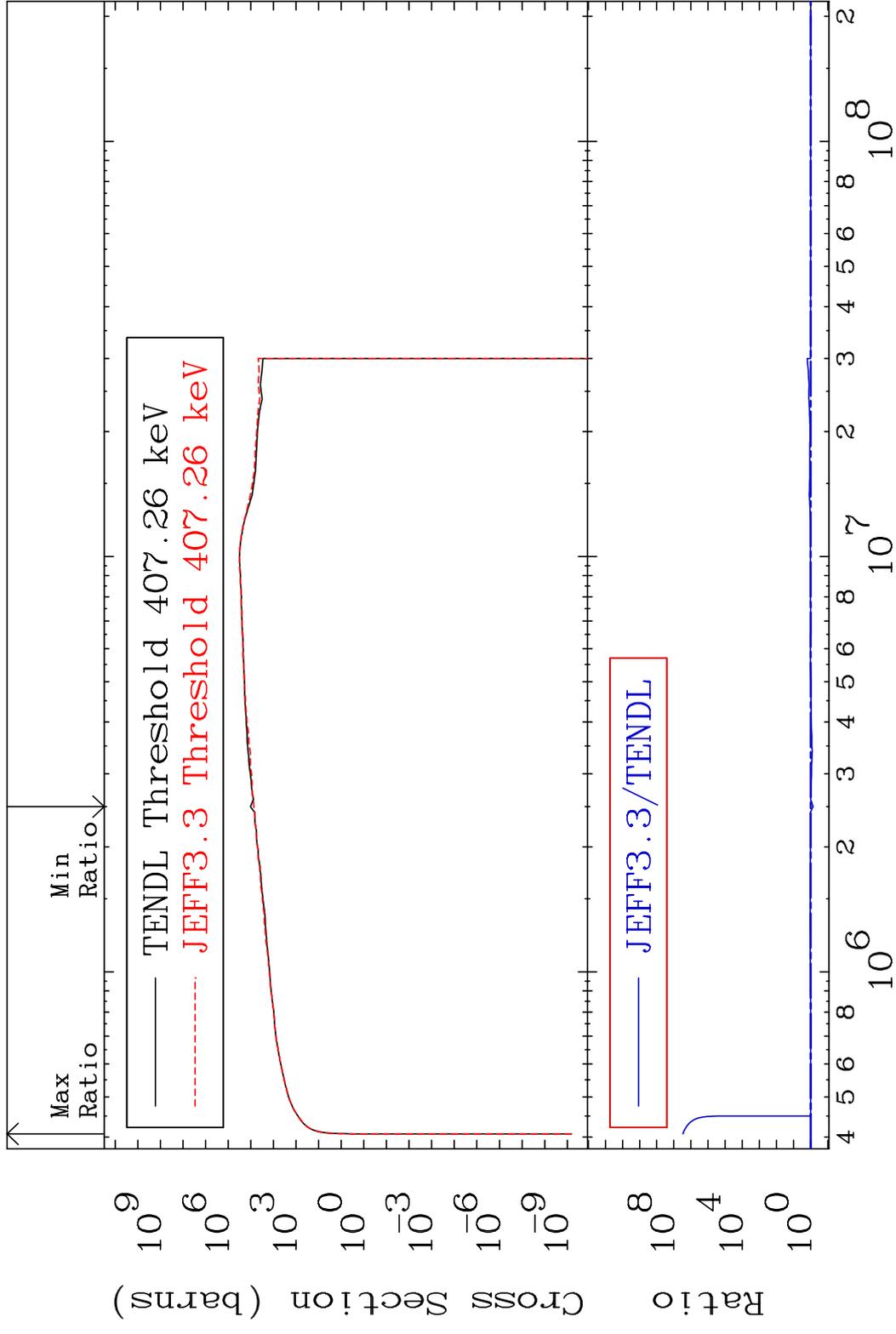
Incident Energy (eV)

37-Rb-87

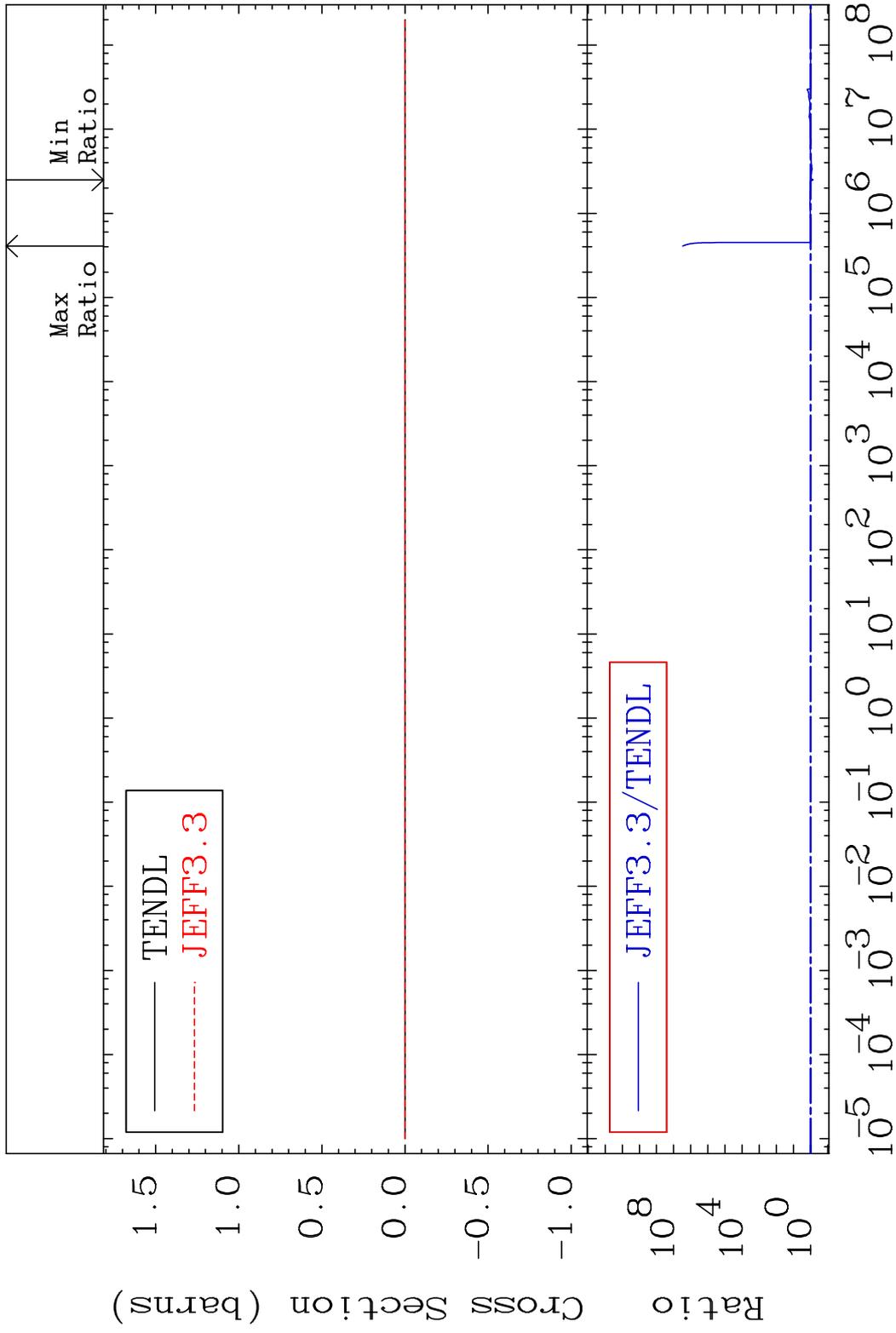
MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -100.0 To 9999. %



MAT 3731 Kerma inelastic (mt51-91) 37-Rb-87
 Cross Section -28.47 To 9999. %



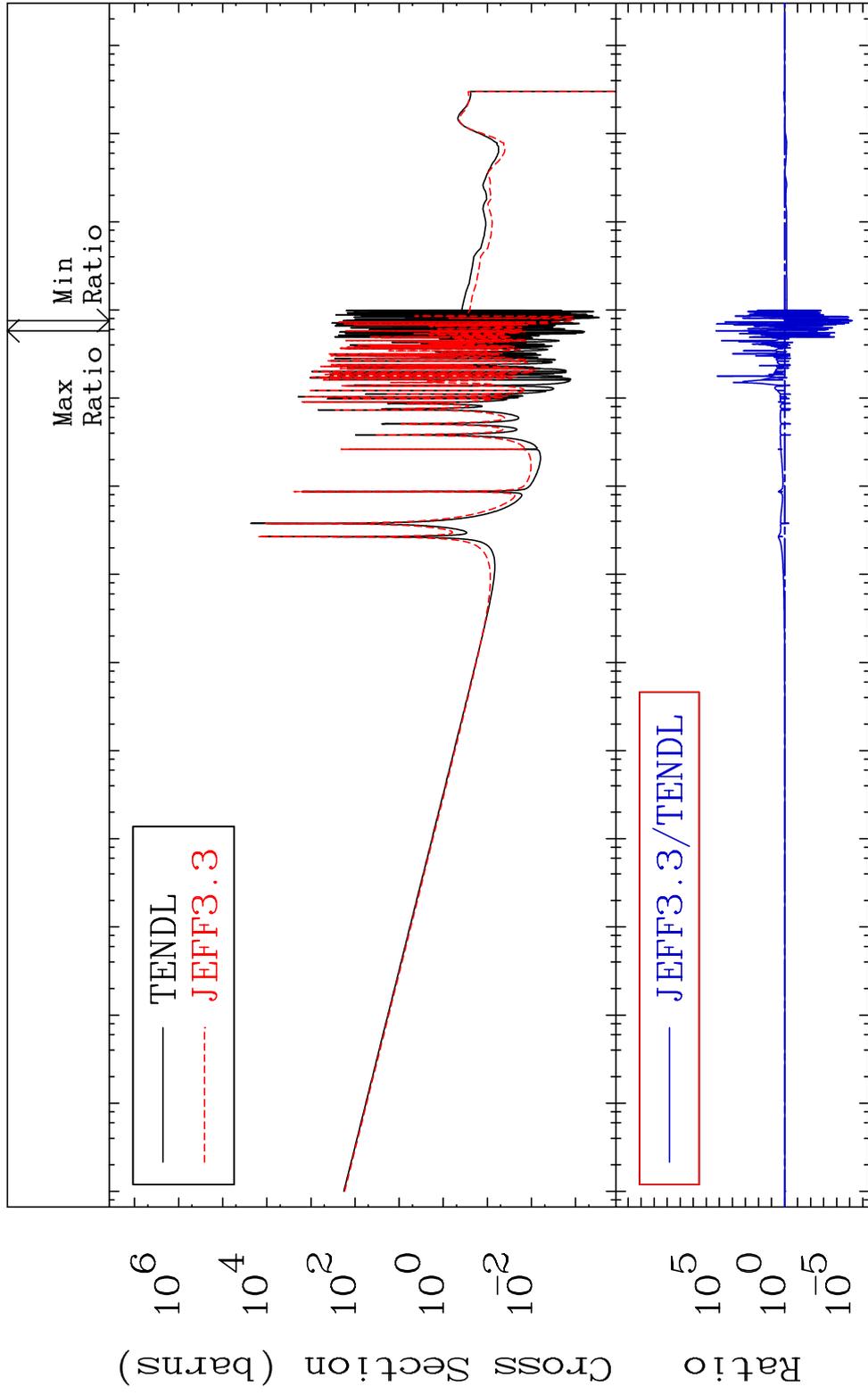
MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
 Cross Section -28.47 To 9999. %



MAT 3731

Kerma capture (mt102) 37-Rb-87

Cross Section -100.0 To 9999. %

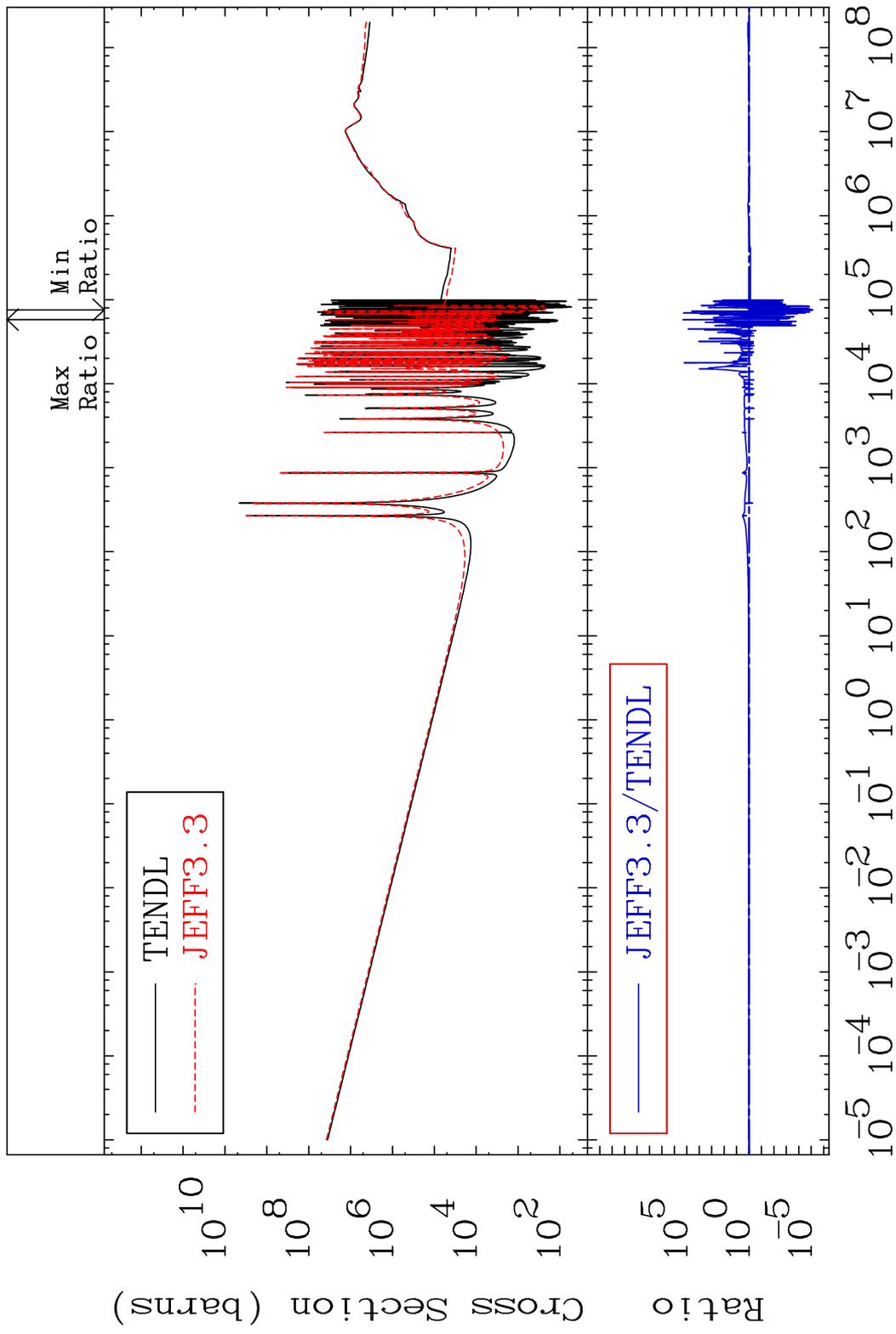


55

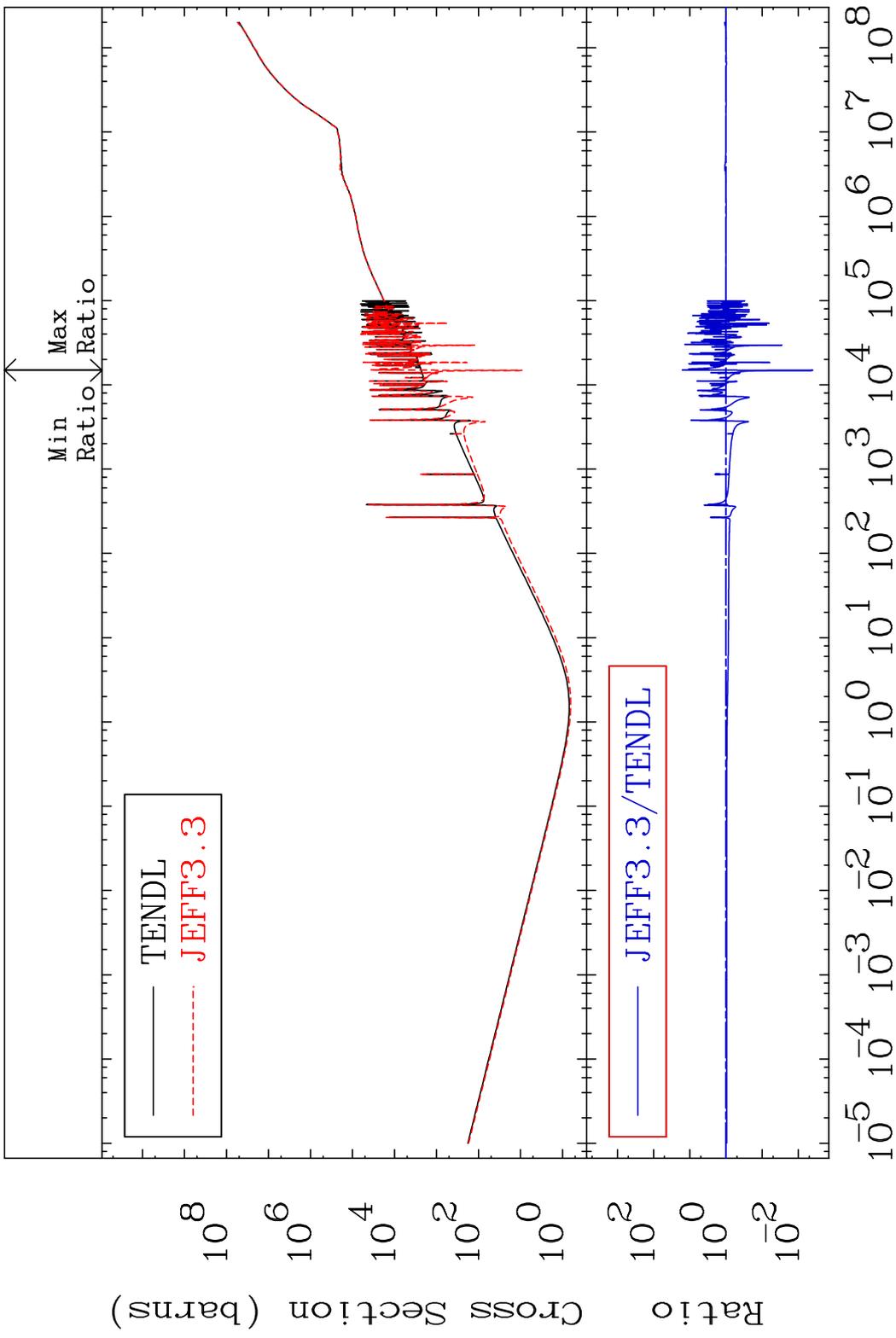
Incident Energy (eV)

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 -99.60 To 1520. %

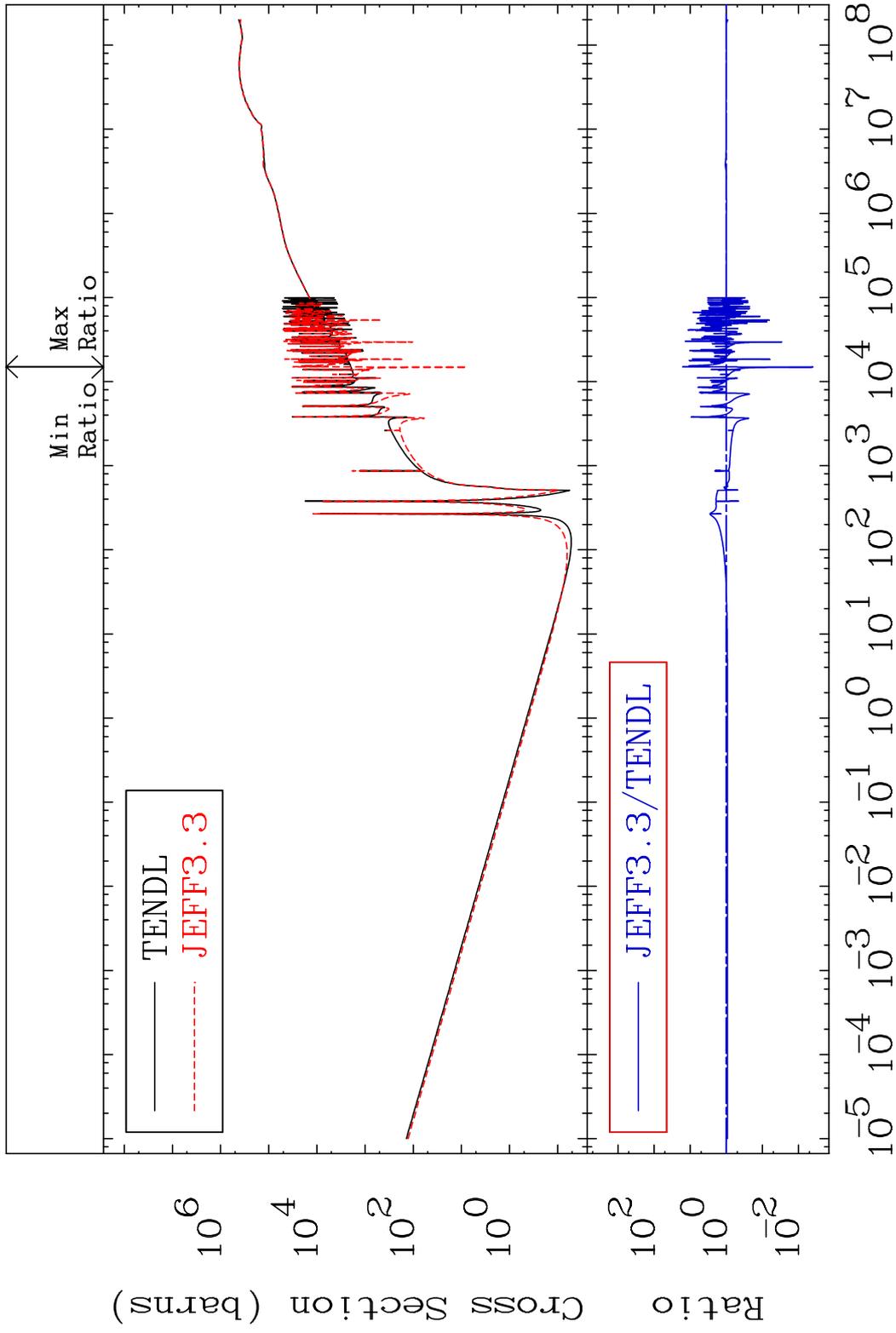


MAT 3731

Dpa total (eV-barns)

37-Rb-87

Cross Section -99.61 To 1520. %



58

Incident Energy (eV)

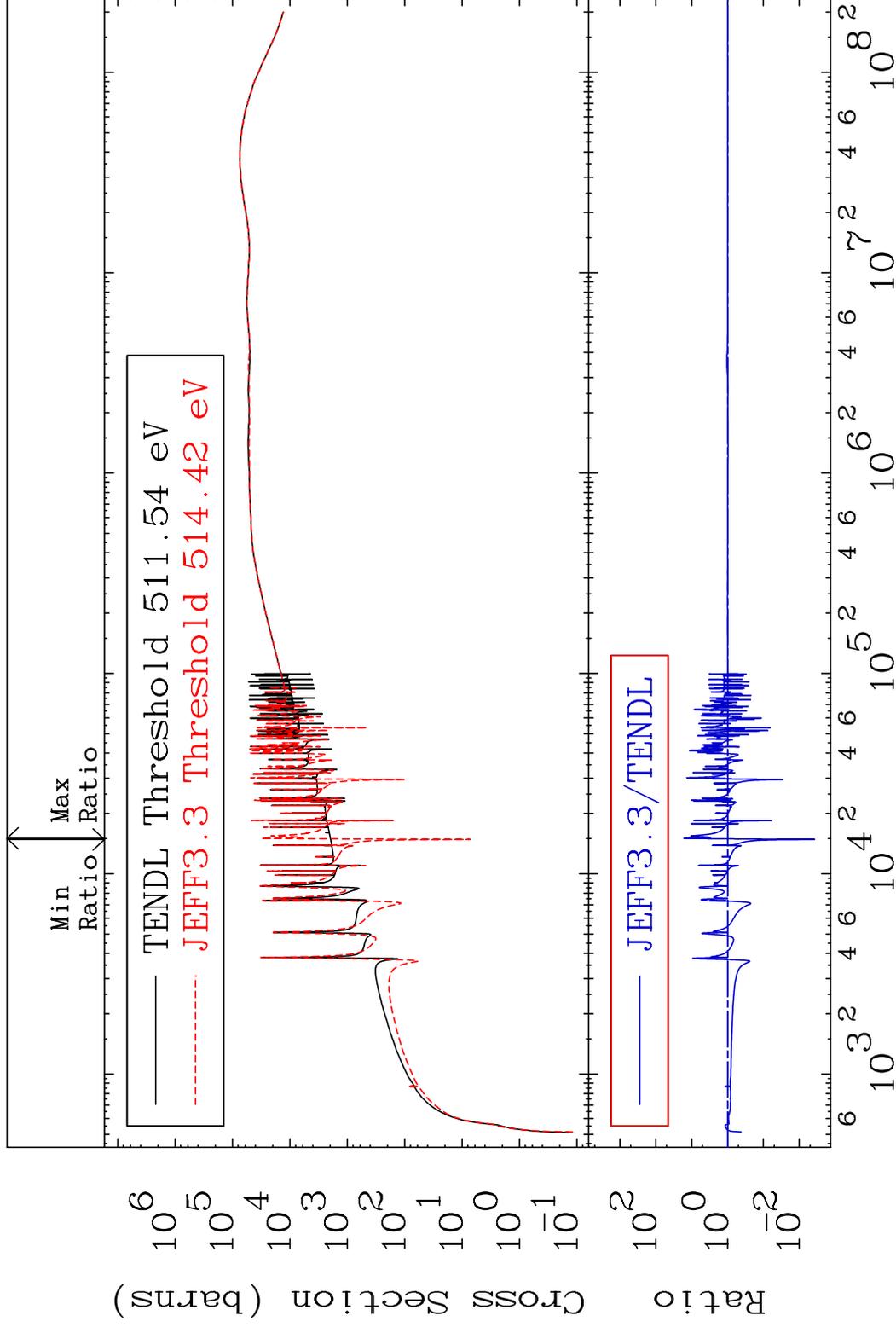
37-Rb-87

MAT 3731

Dpa elastic (mt2)

37-Rb-87

Cross Section -99.63 To 1519. %



59

Incident Energy (eV)

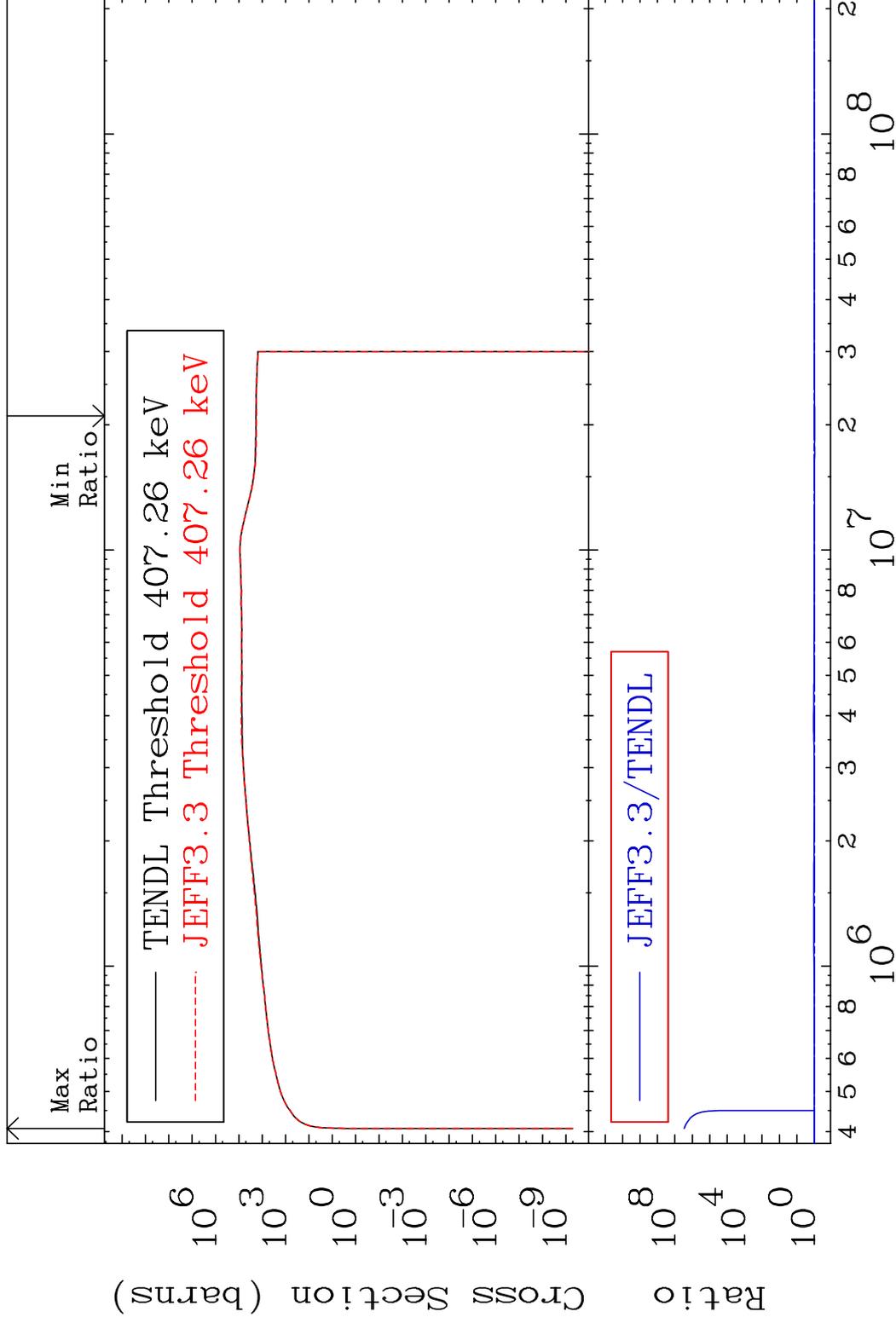
37-Rb-87

MAT 3731

Dpa inelastic (mt51-91)

37-Rb-87

Cross Section -4.922 To 9999. %

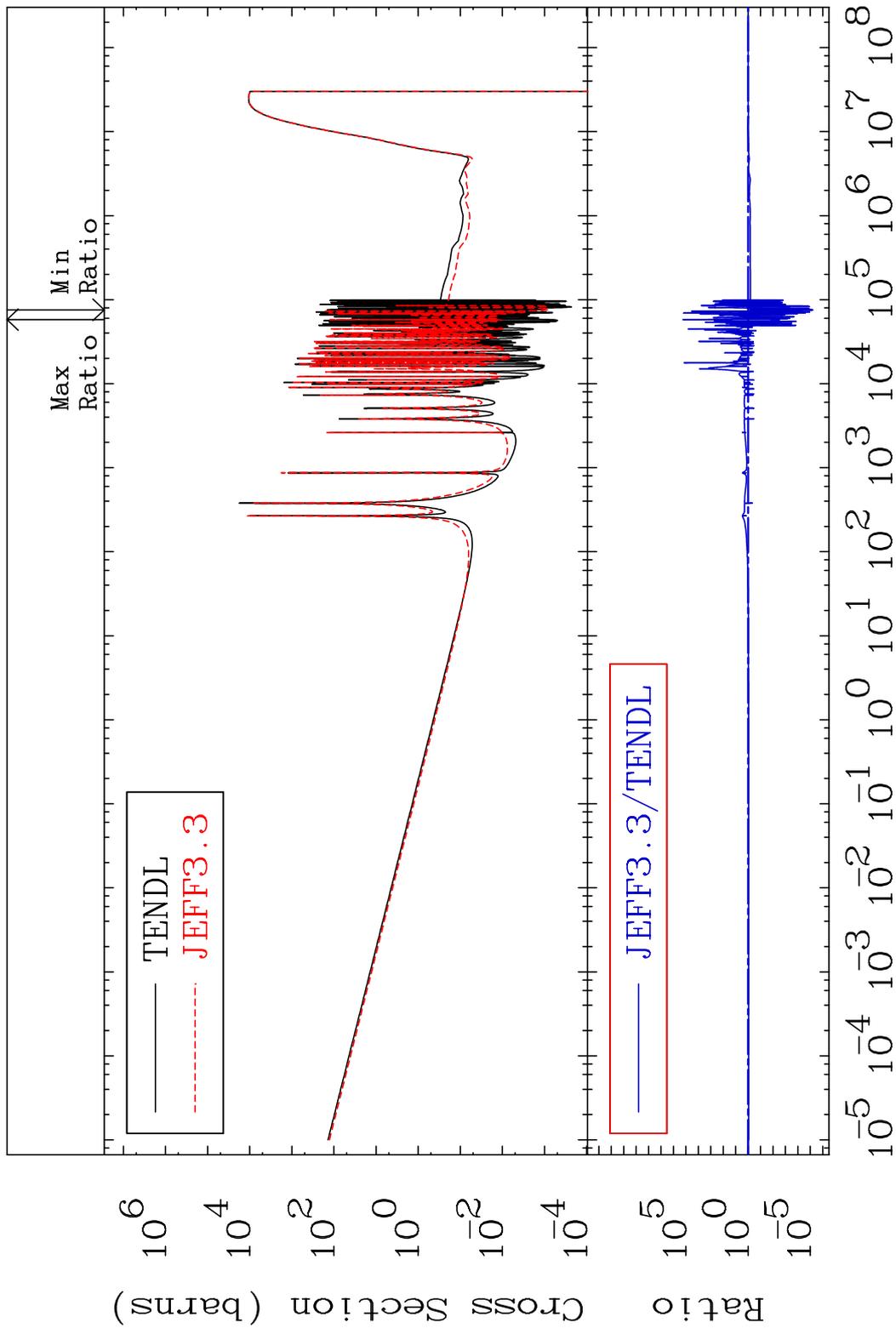


60

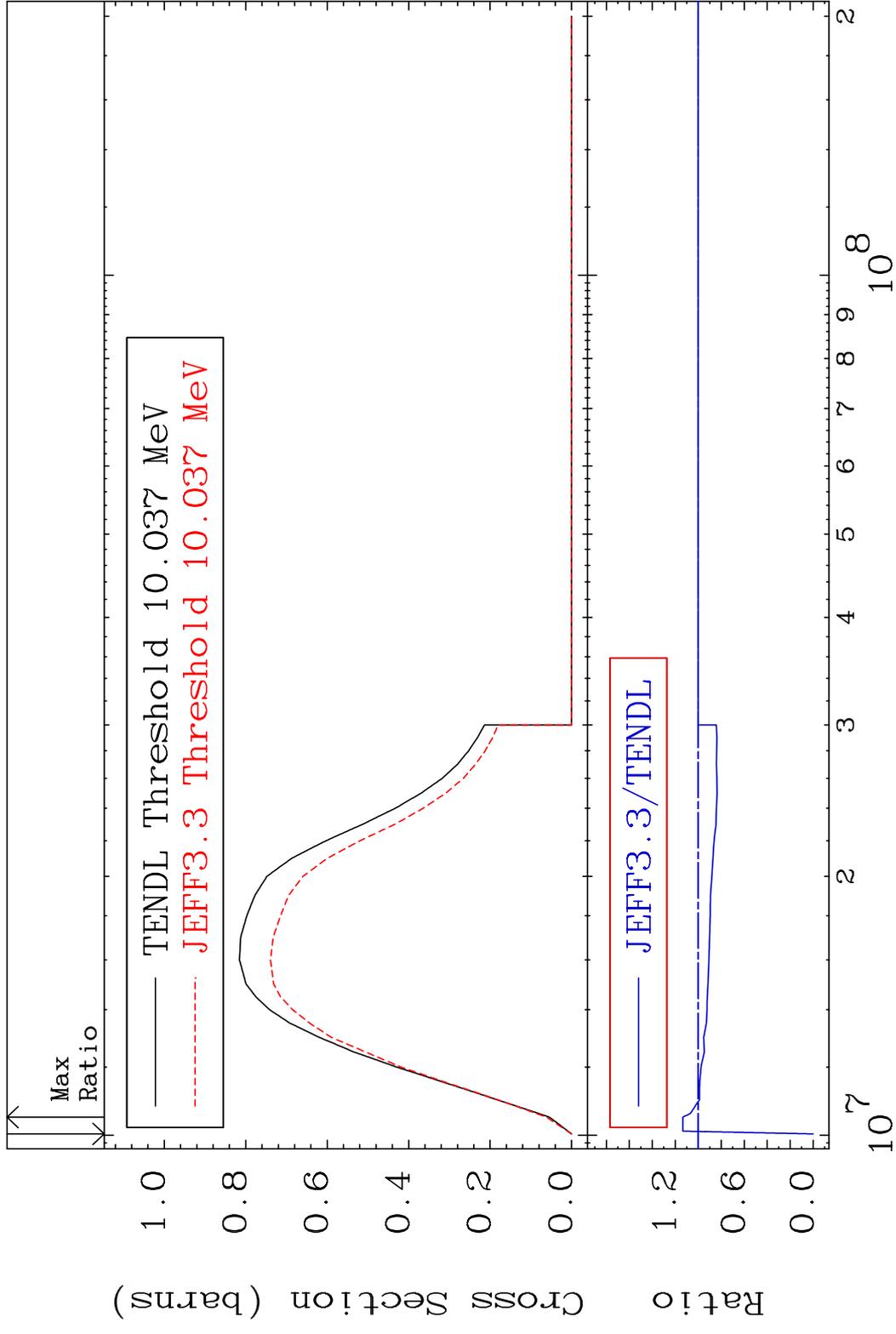
Incident Energy (eV)

37-Rb-87

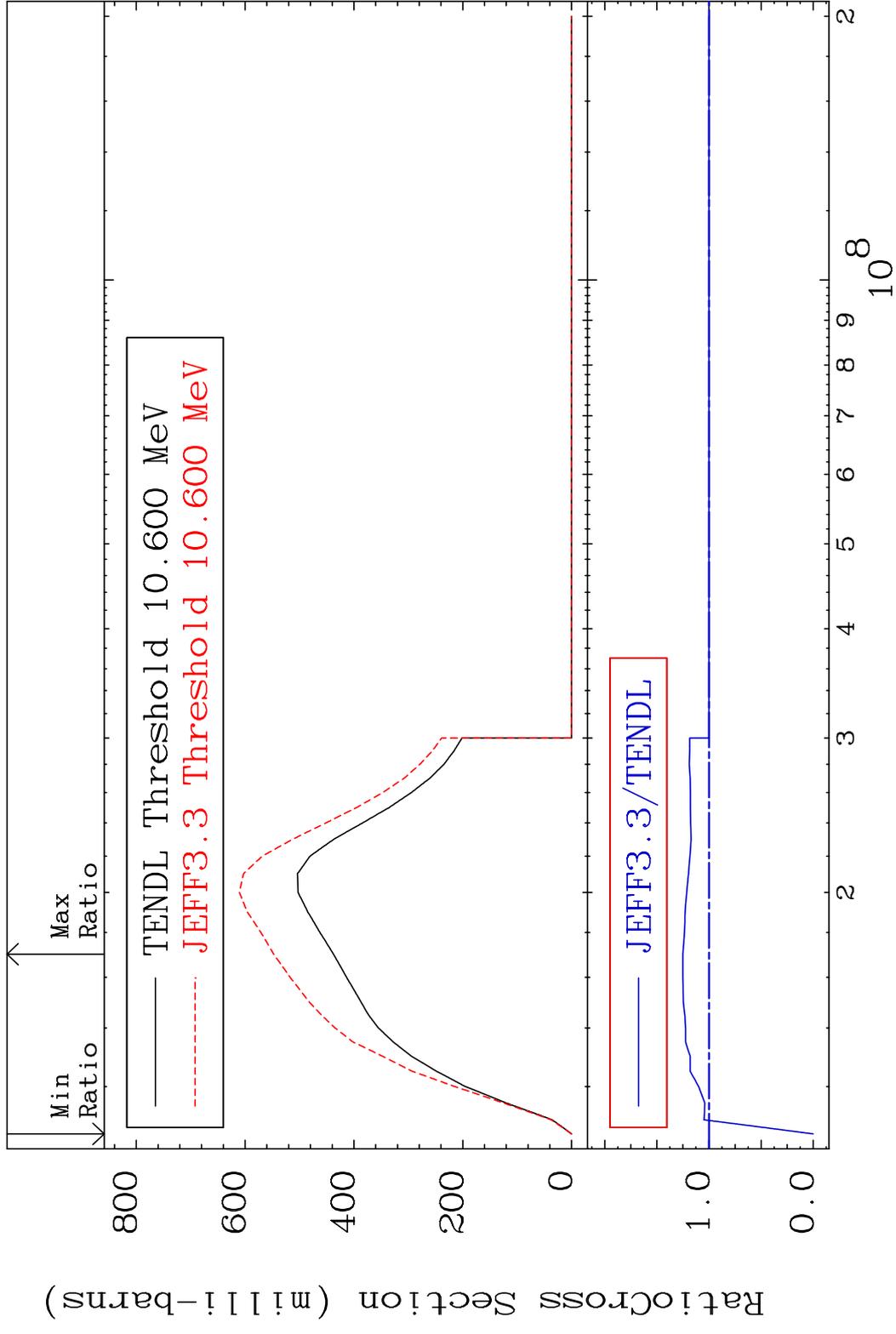
MAT 3731 Dpa disappearance (mt102 -120) 37-Rb-87
 Cross Section -100.0 To 9999. %



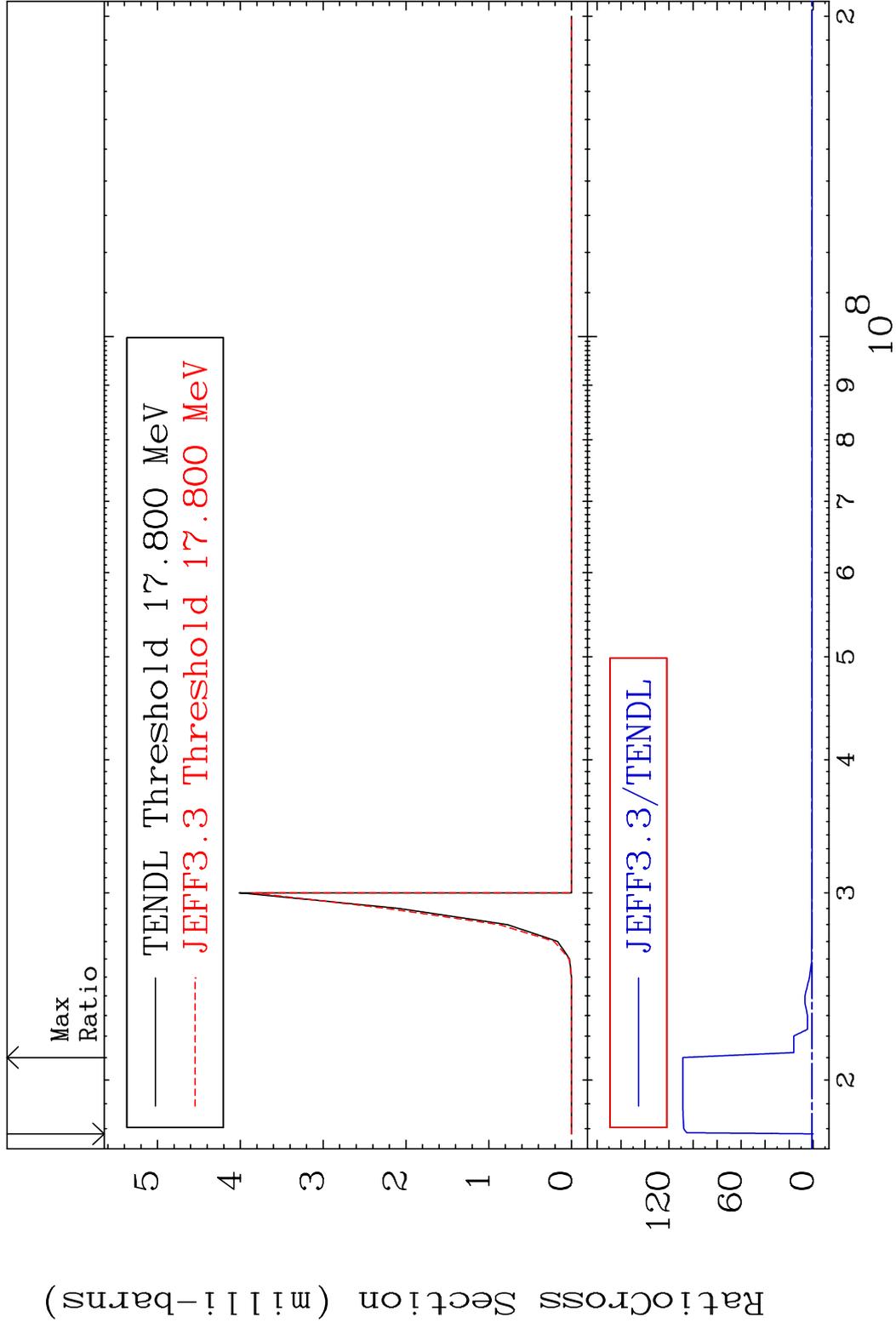
MAT 3731 (n,2n):37-Rb-86g 37-Rb-87
 Radionuclide Production Cross Section Ratio 13.41 %



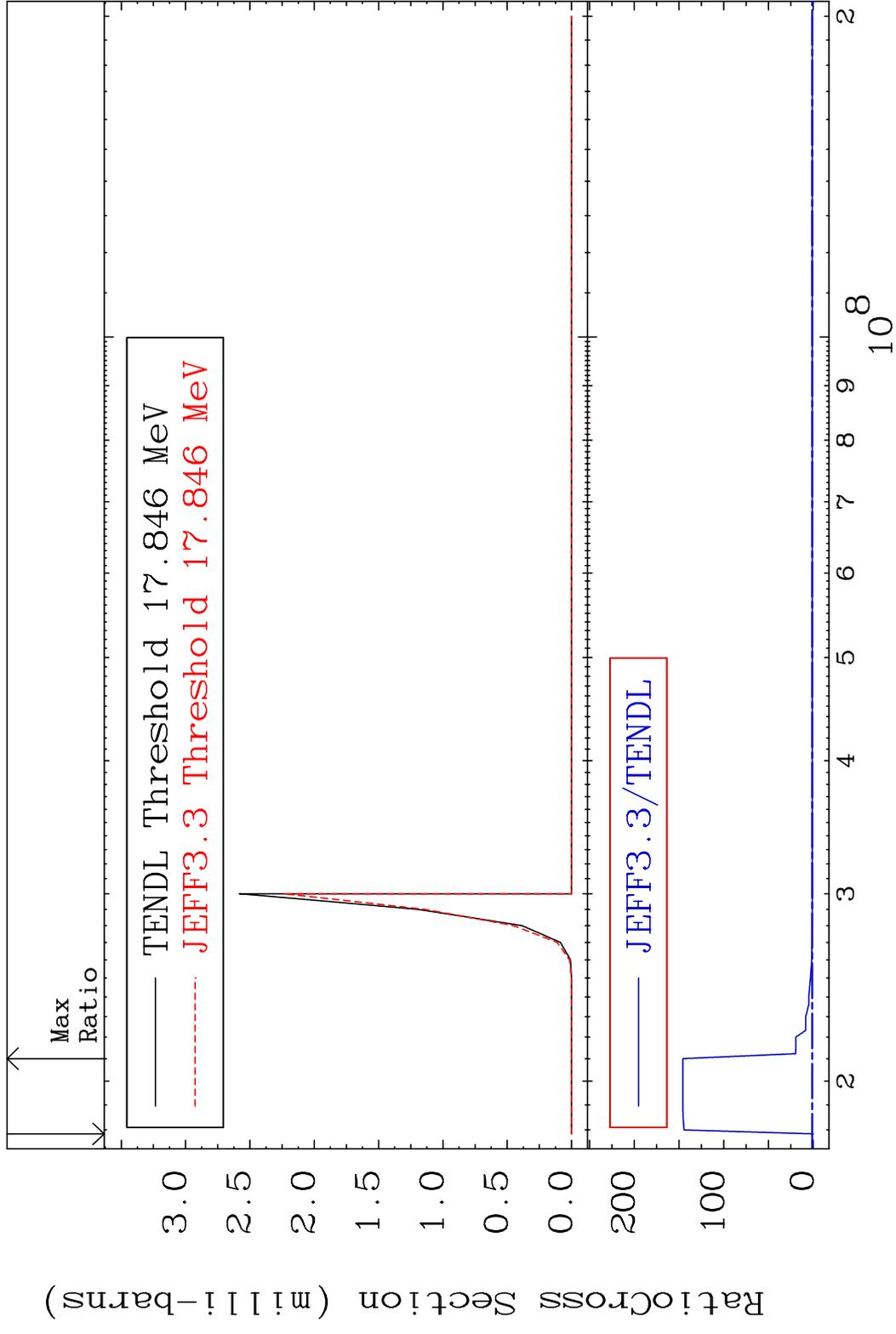
MAT 3731 (n,2n):37-Rb-86m2 37-Rb-87
 Radionuclide Production Cross Section 180.01 dth 25.12 %



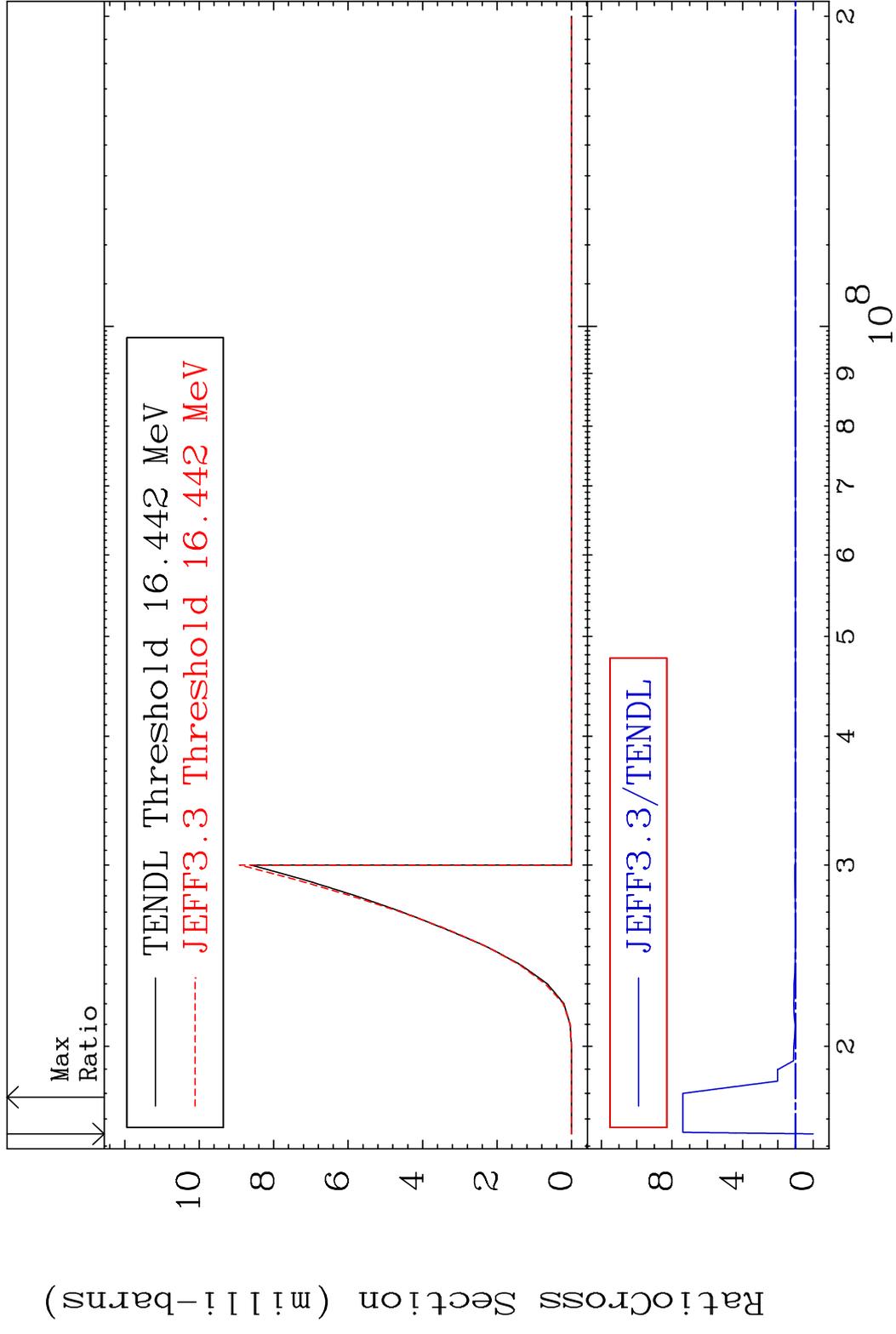
MAT 3731 (n,2n) α :35-Br-82g 37-Rb-87
 Radionuclide Production Cross Section 1800 d to 9999. %



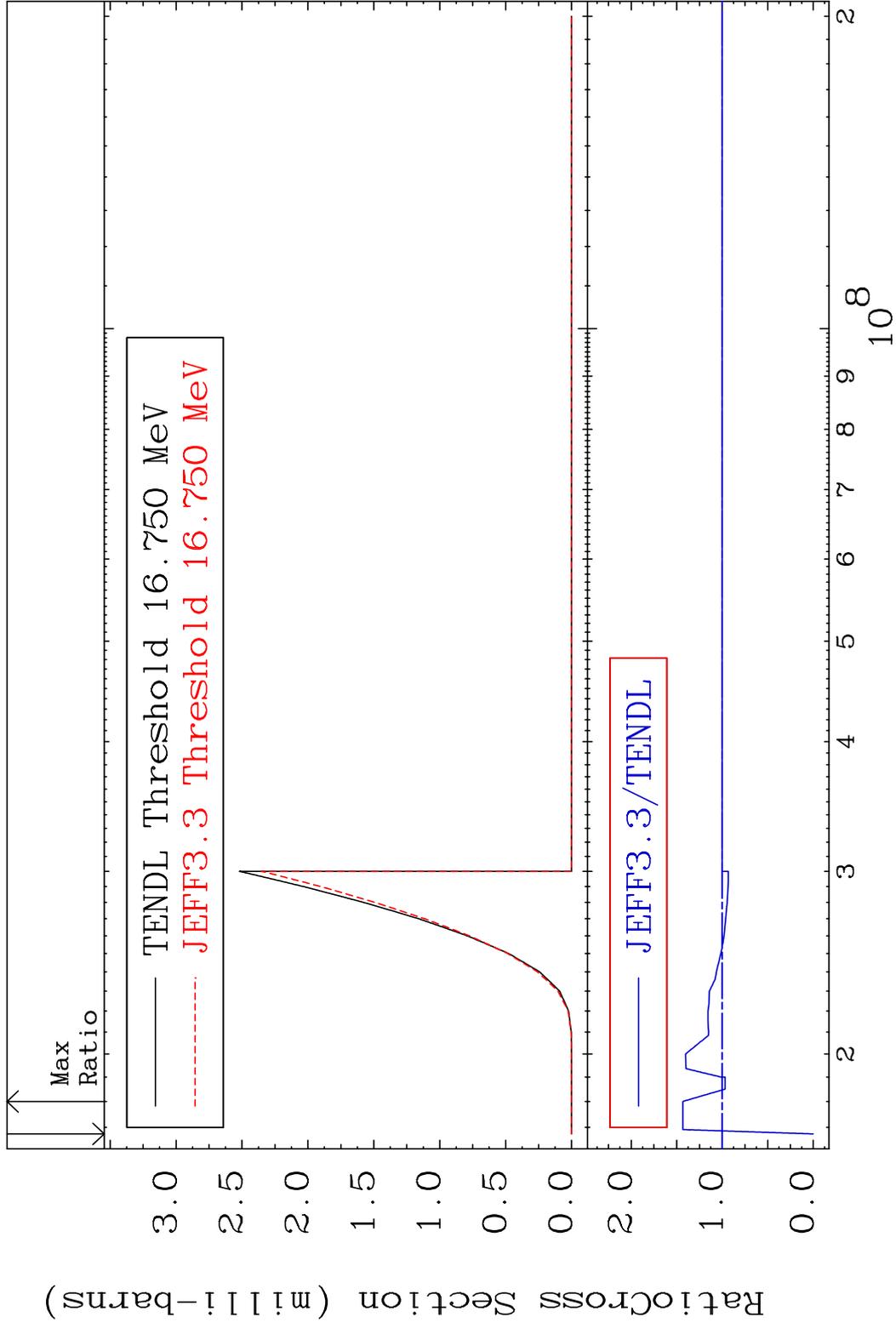
MAT 3731 (n,2n) α :35-Br-82m1 37-Rb-87
 Radionuclide Production Cross Section 1800 d to 9999. %

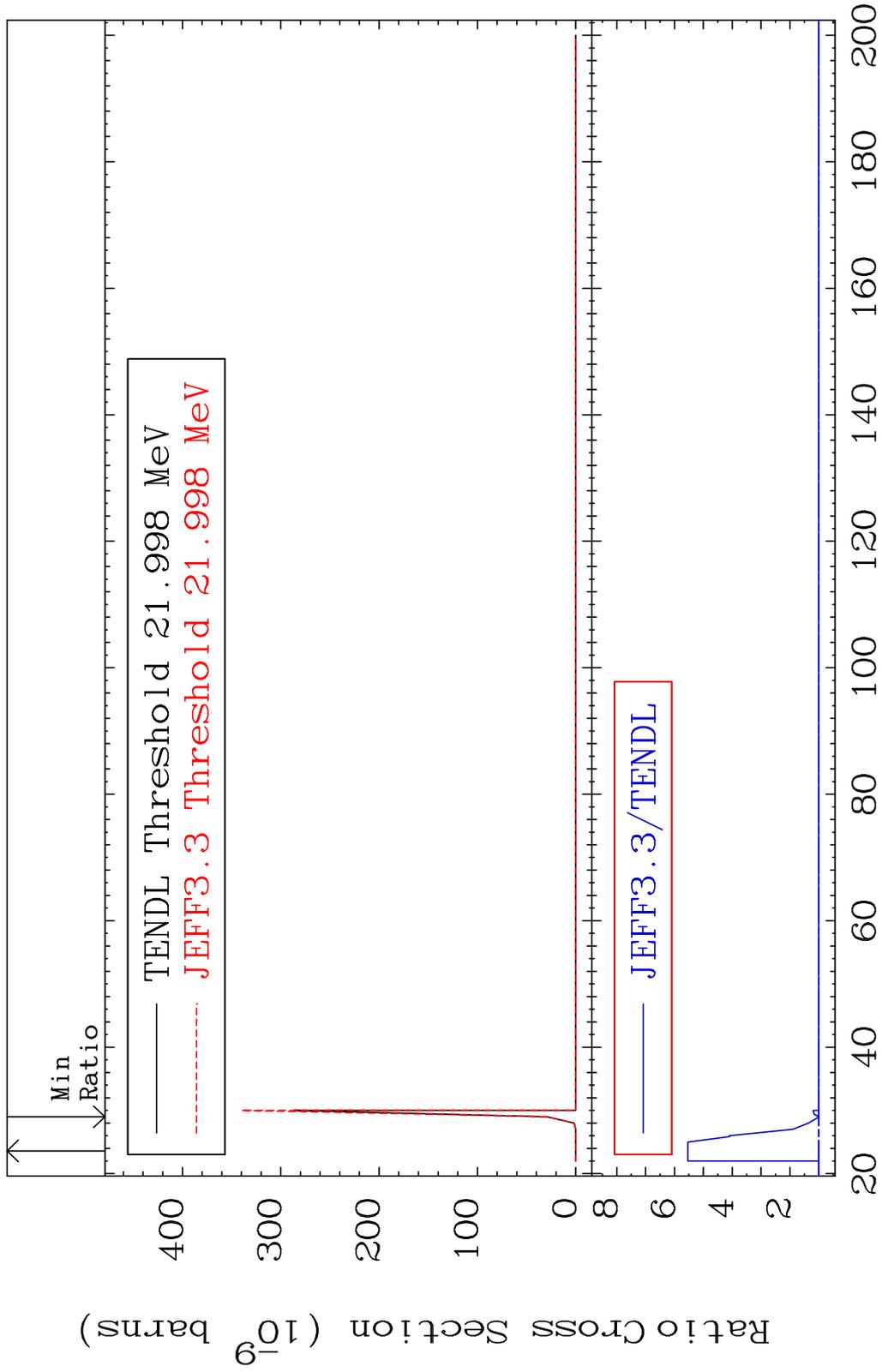


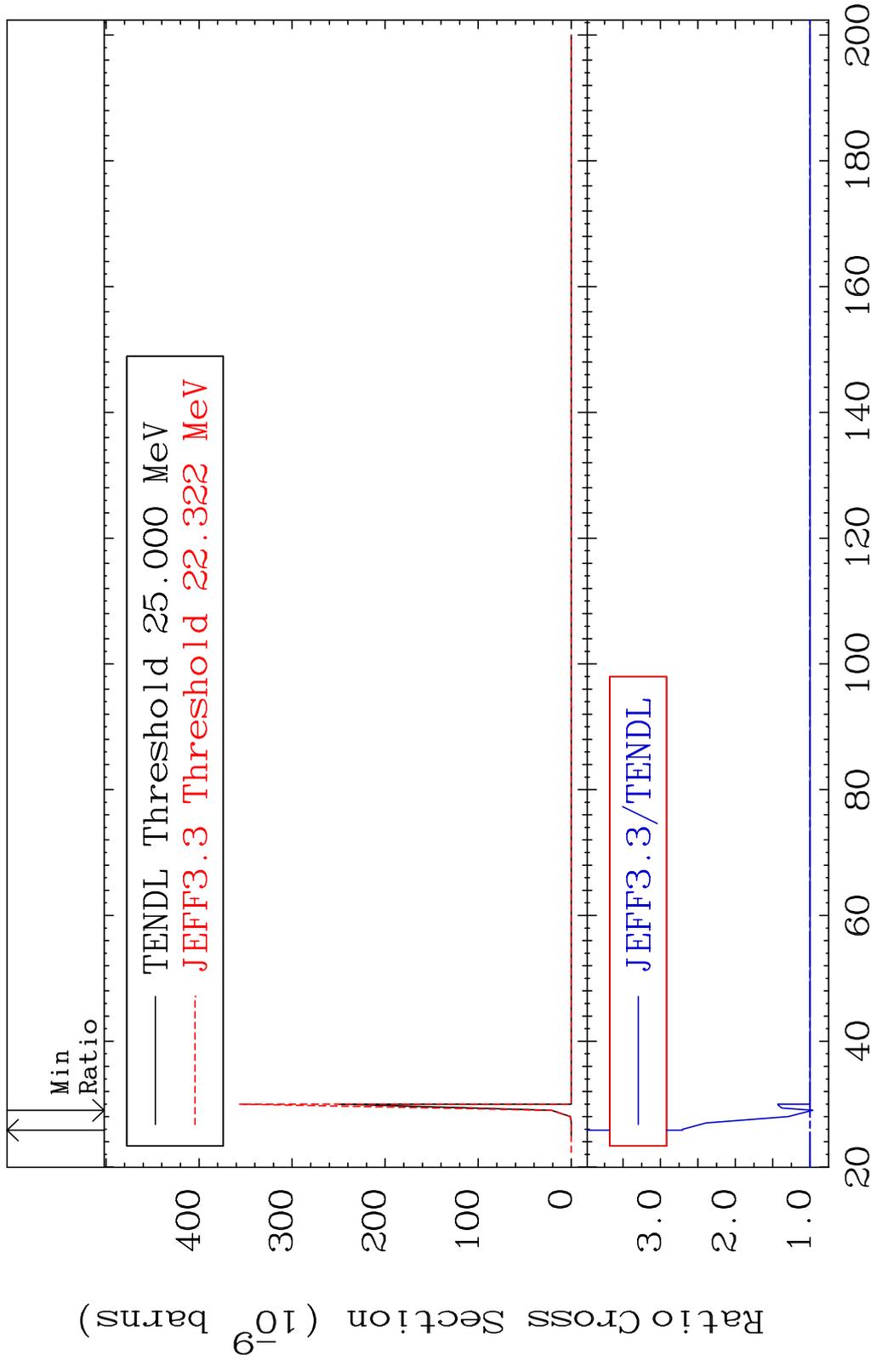
MAT 3731 (n, n') d:36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section 1800 d to 638.5 %



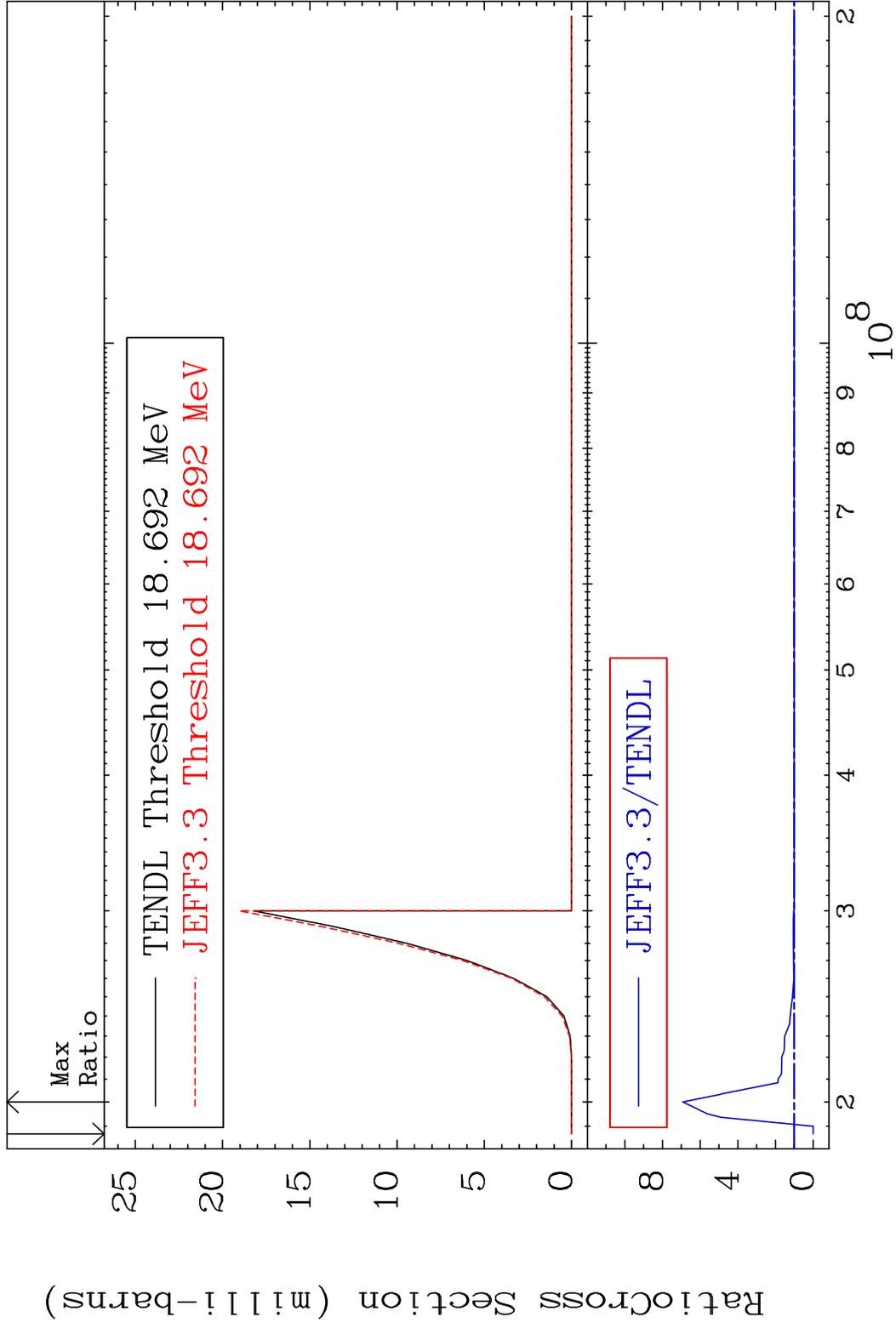
MAT 3731 (n, n') d:36-Kr-85m1 37-Rb-87
 Radionuclide Production Cross Section 43.28 %



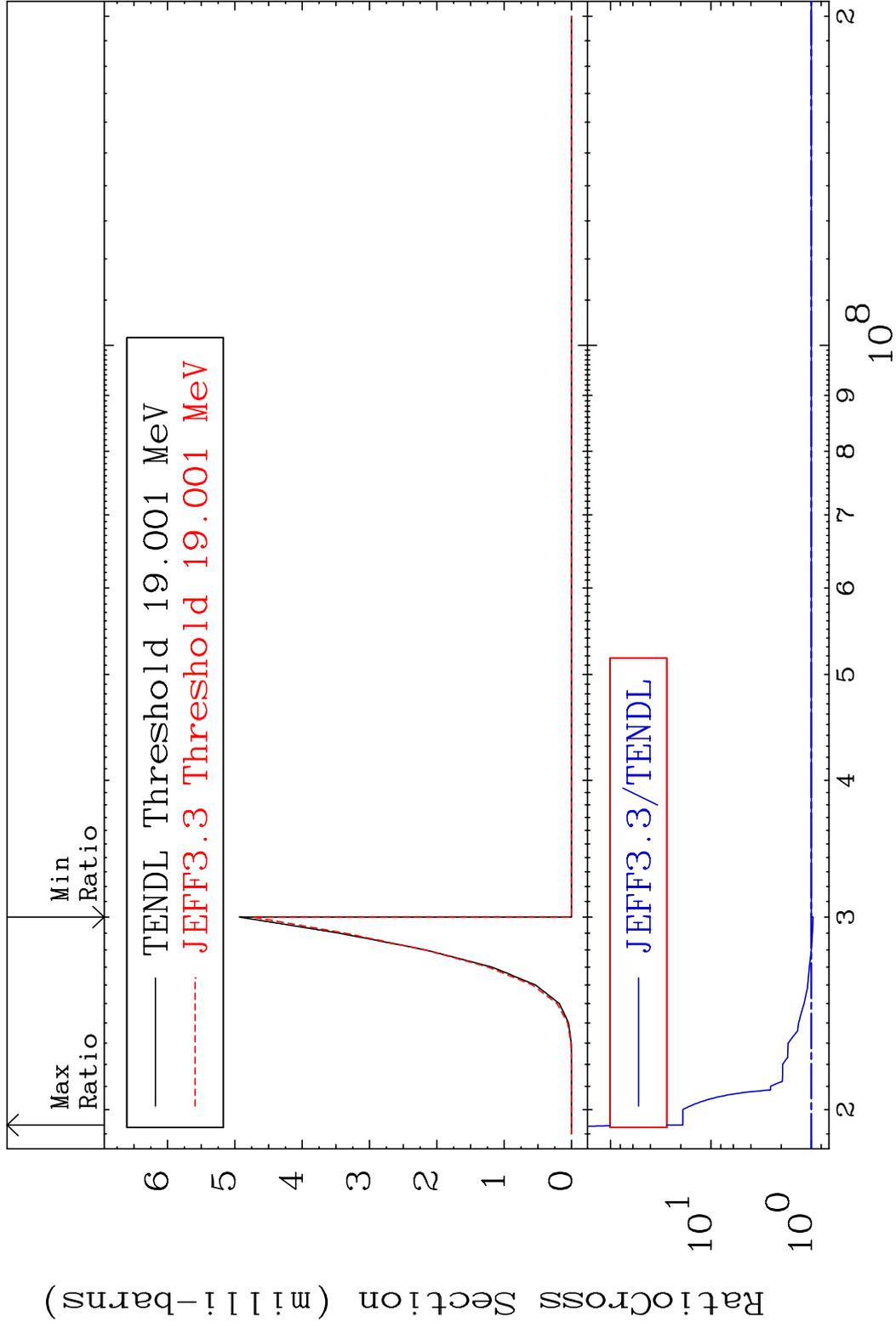




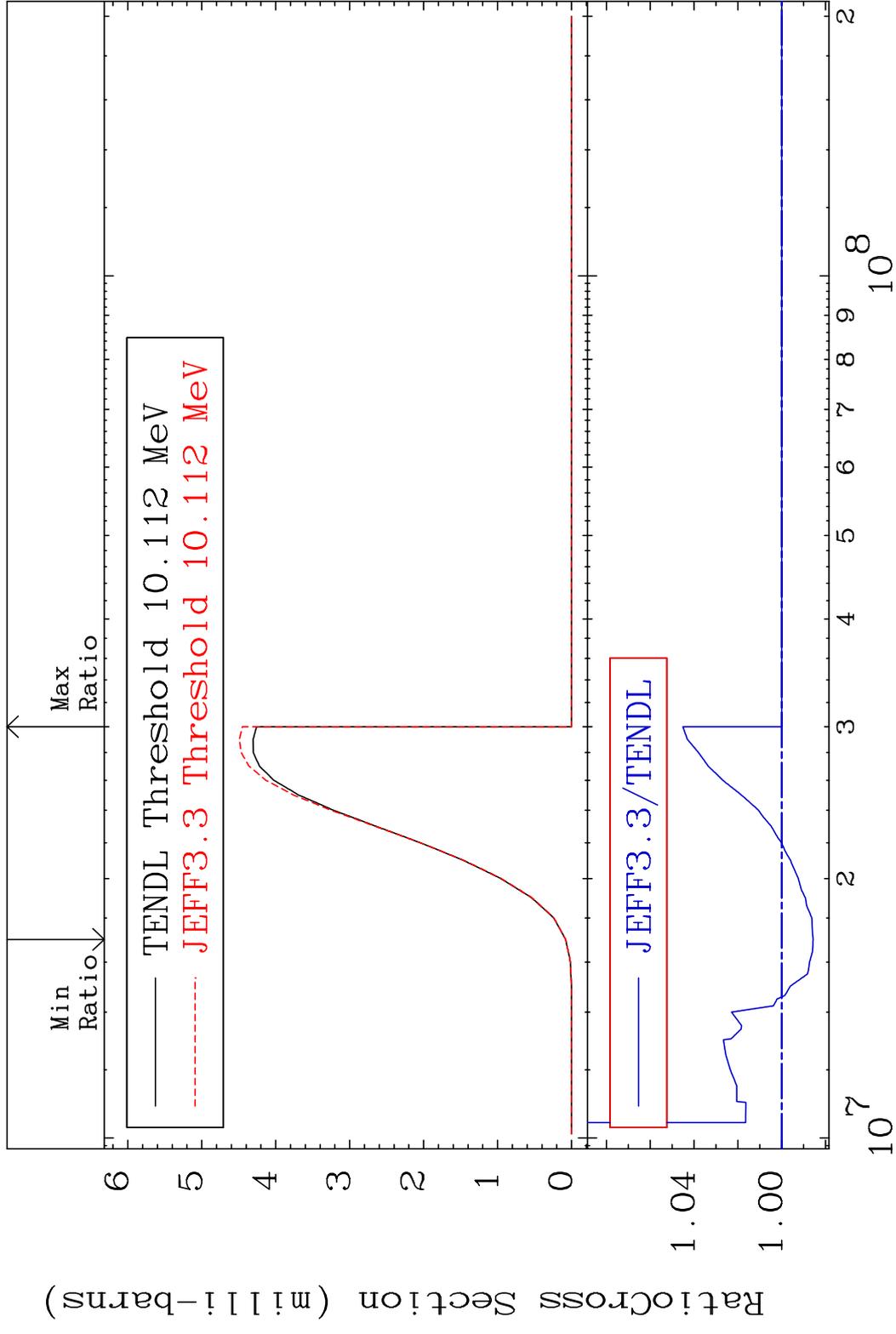
MAT 3731 (n,2n) p:36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section 18.692 MeV 592.1 %



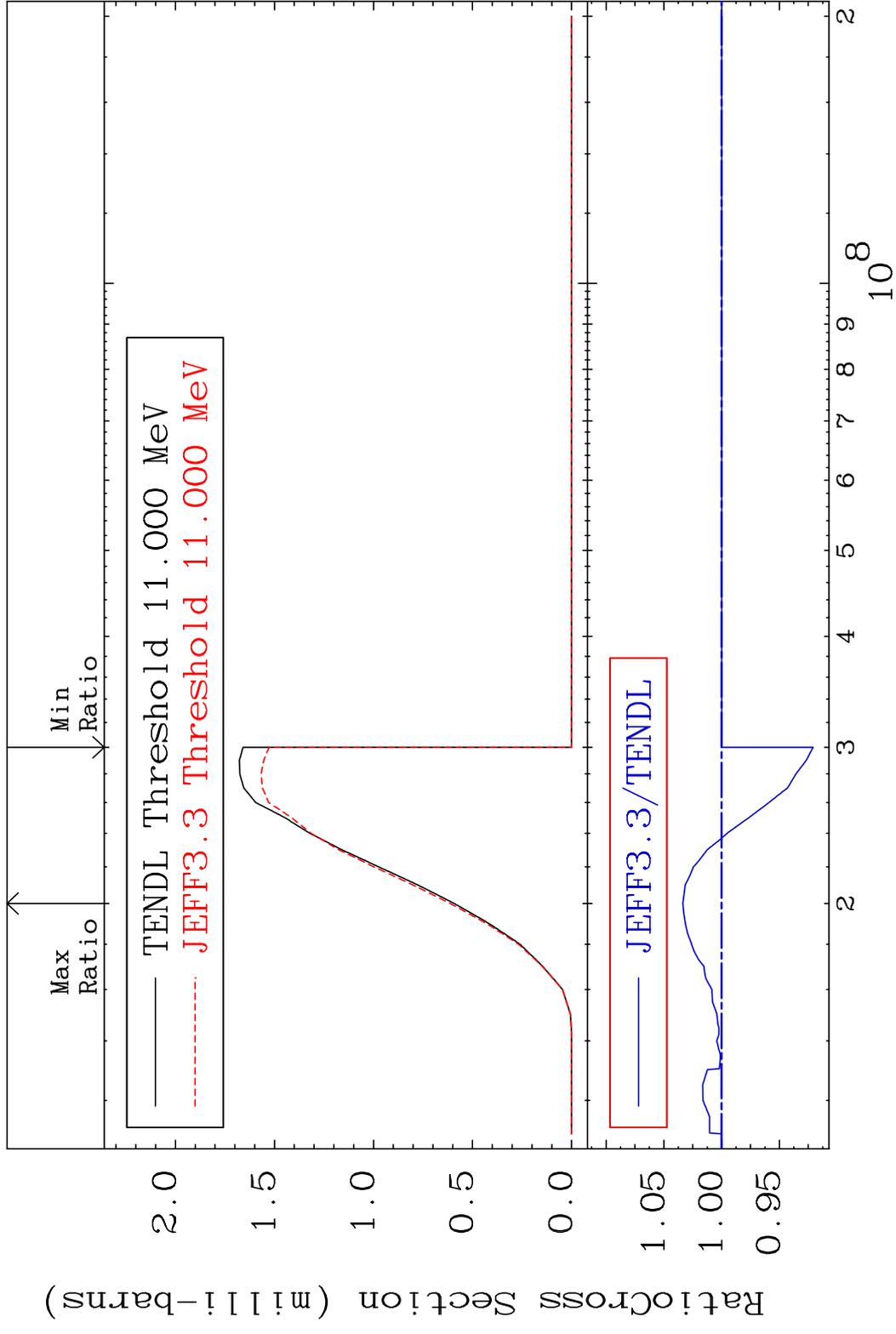
70 Incident Energy (eV) 37-Rb-87



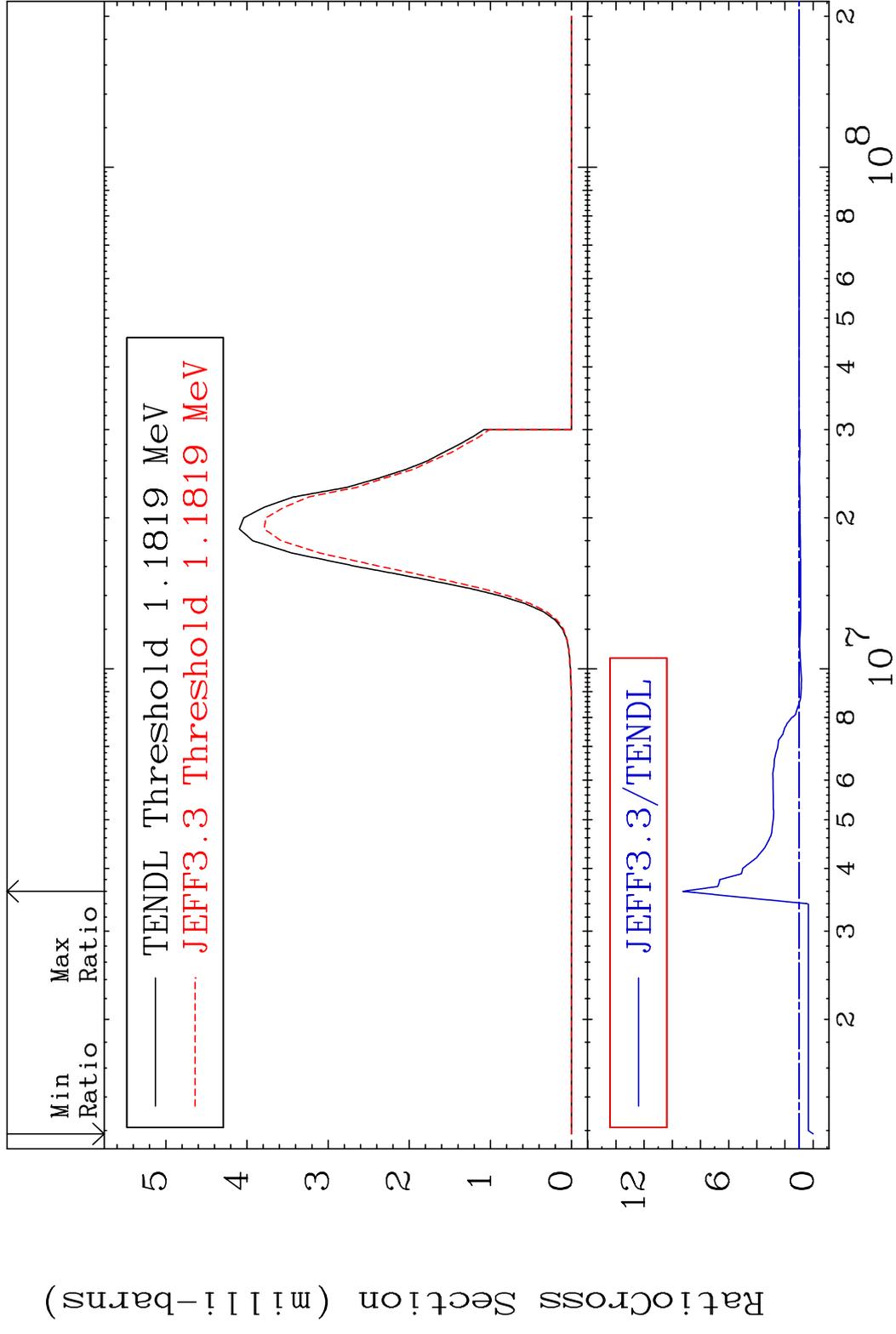
MAT 3731 (n, t):36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section 4.509 %

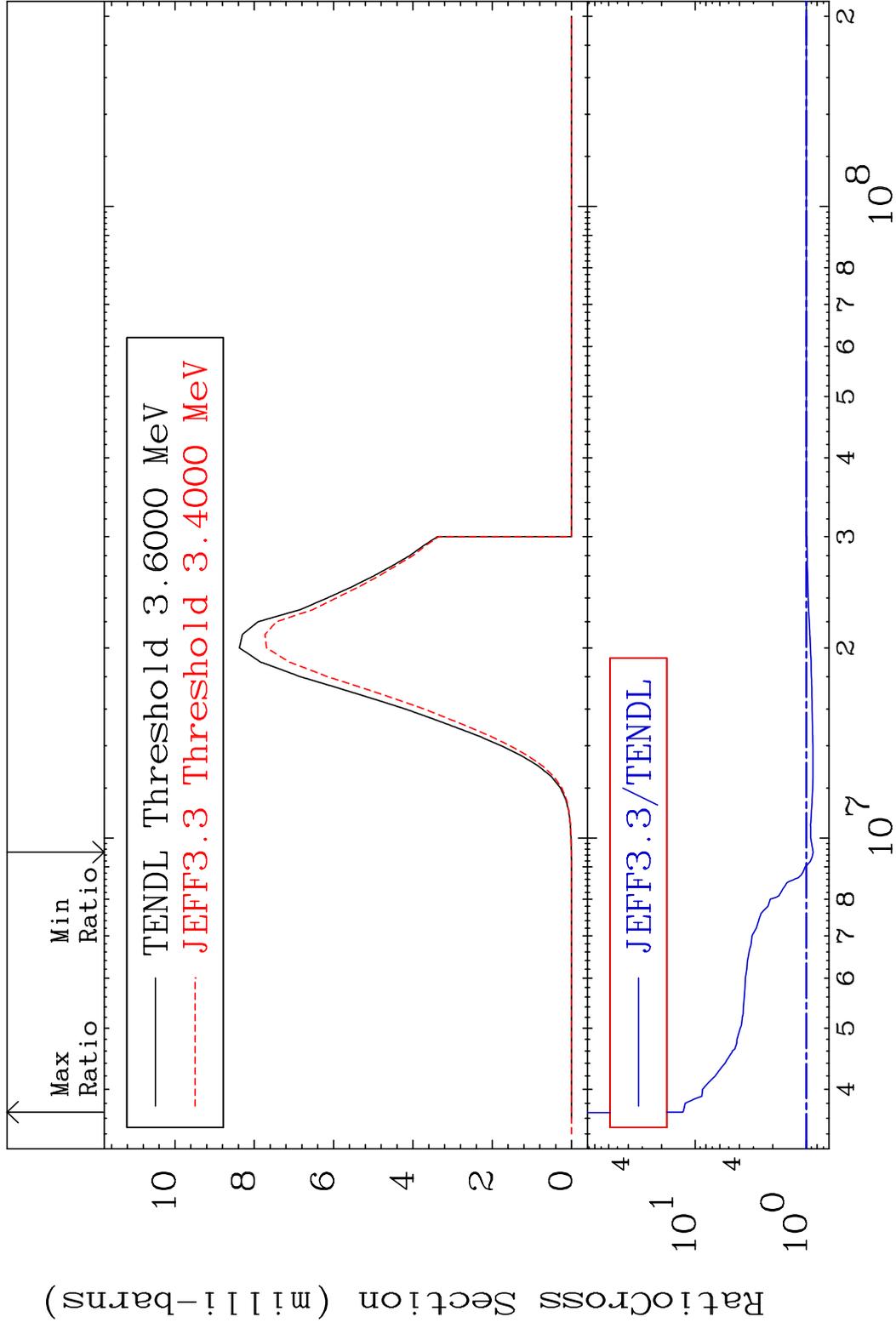


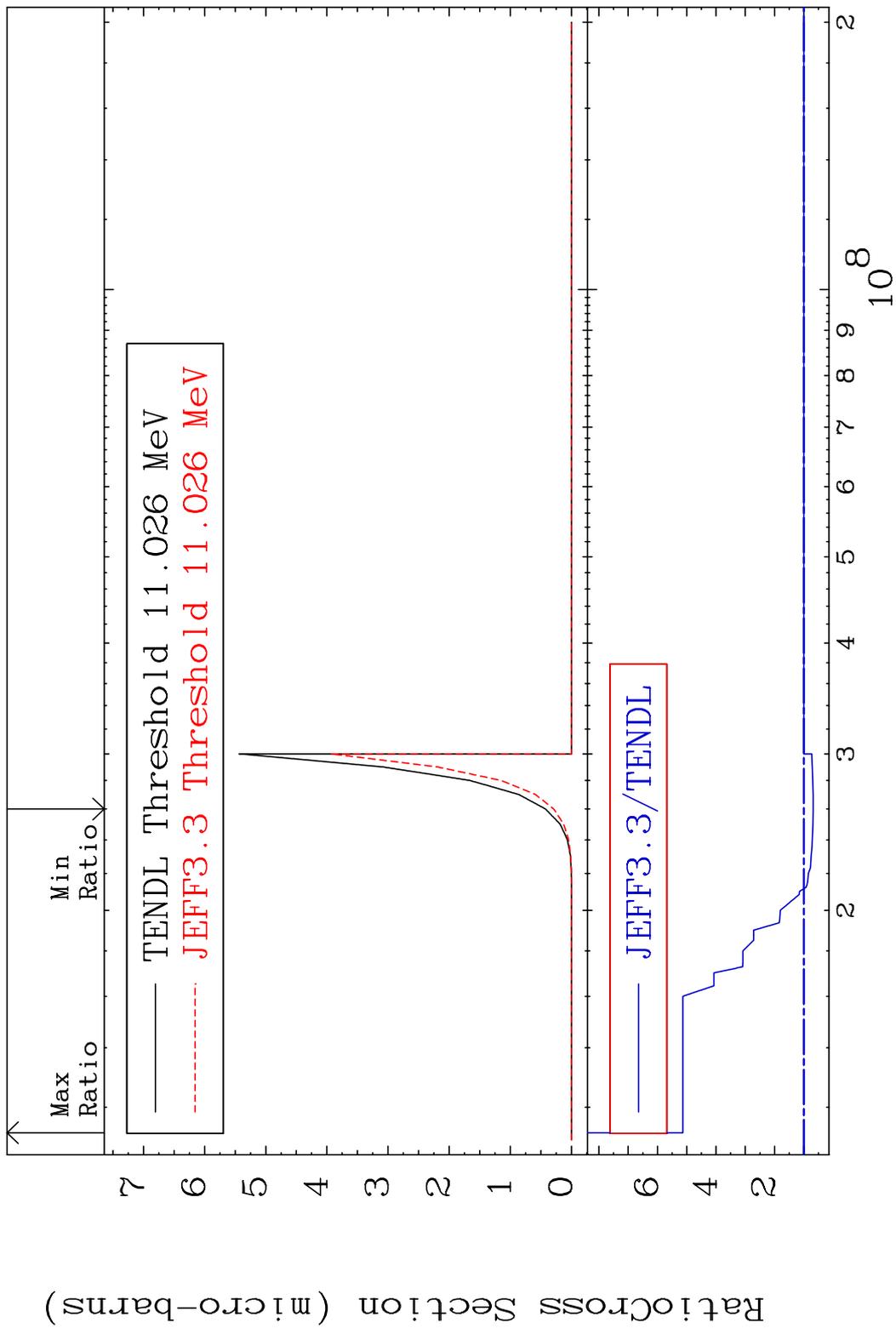
72 Incident Energy (eV) 37-Rb-87



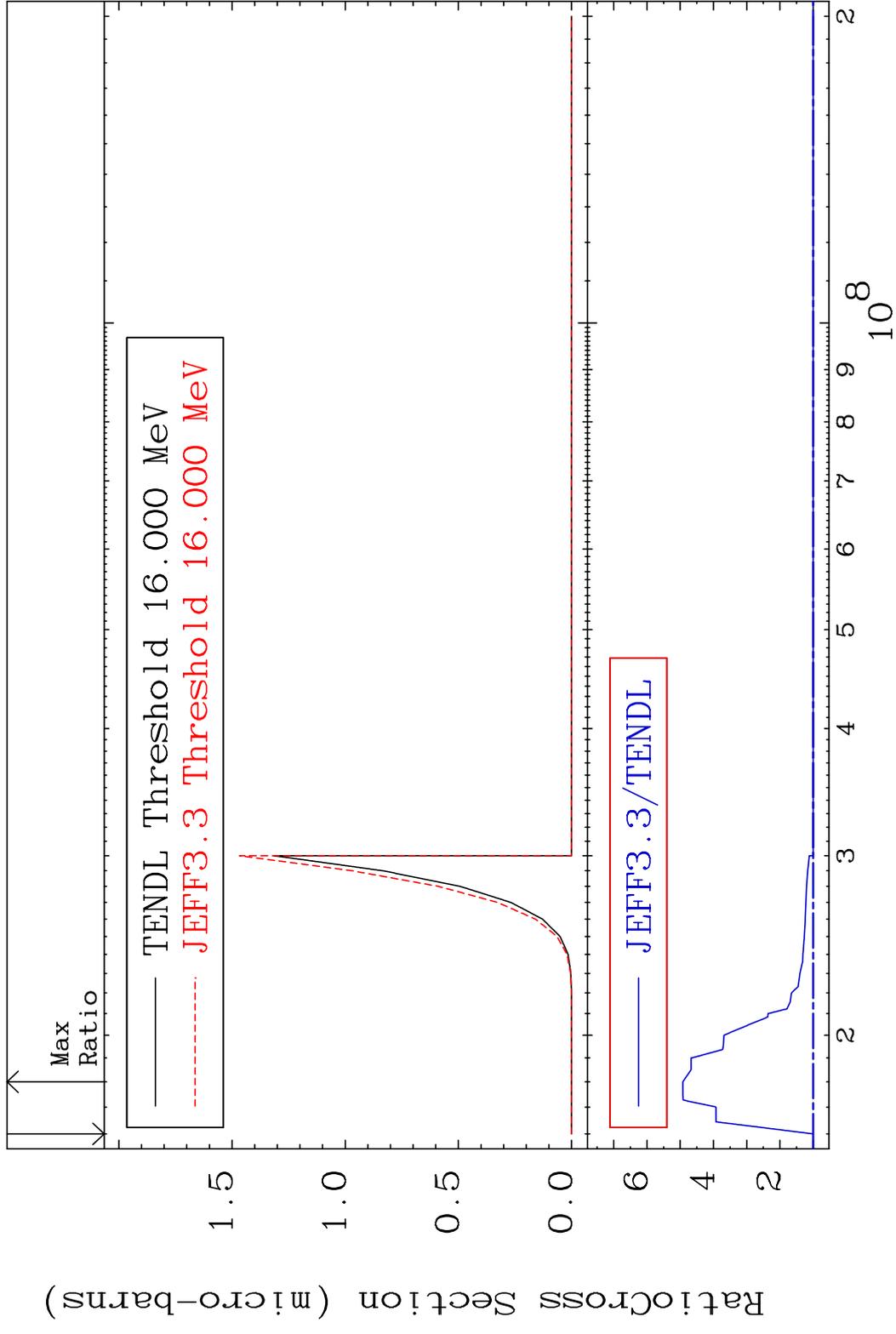
MAT 3731 (n, α):35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section 825.2 %



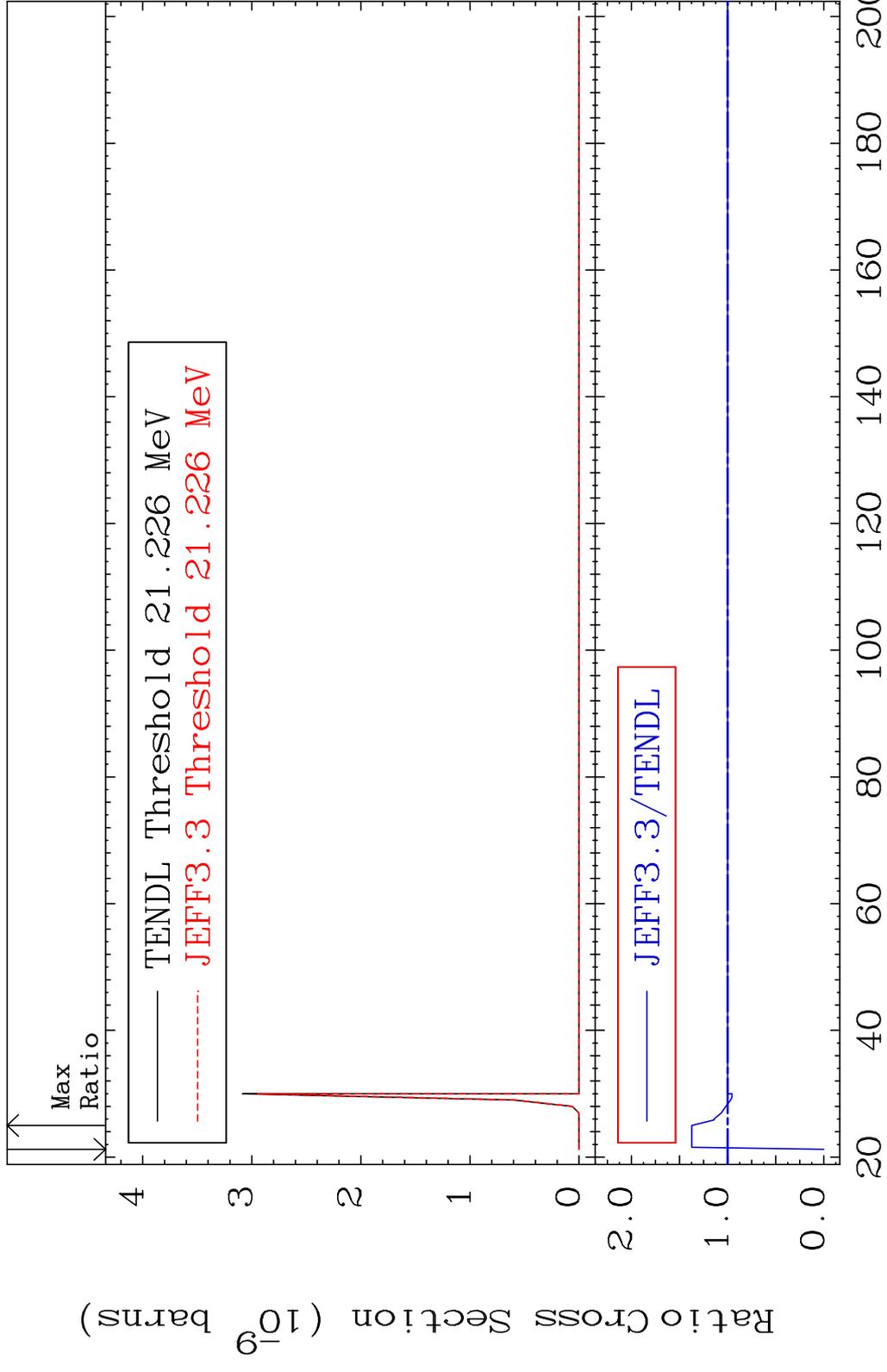




MAT 3731 (n,p) α :34-Se-83m1 37-Rb-87
 Radionuclide Production Cross Section 392.1 %



MAT 3731 (n, p) t:35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section Ratio 37.33 %



MAT 3731 (n,p) t:35-Br-84m1 37-Rb-87
 Radionuclide Production Cross Section 1800 dth 57.41 %

