

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

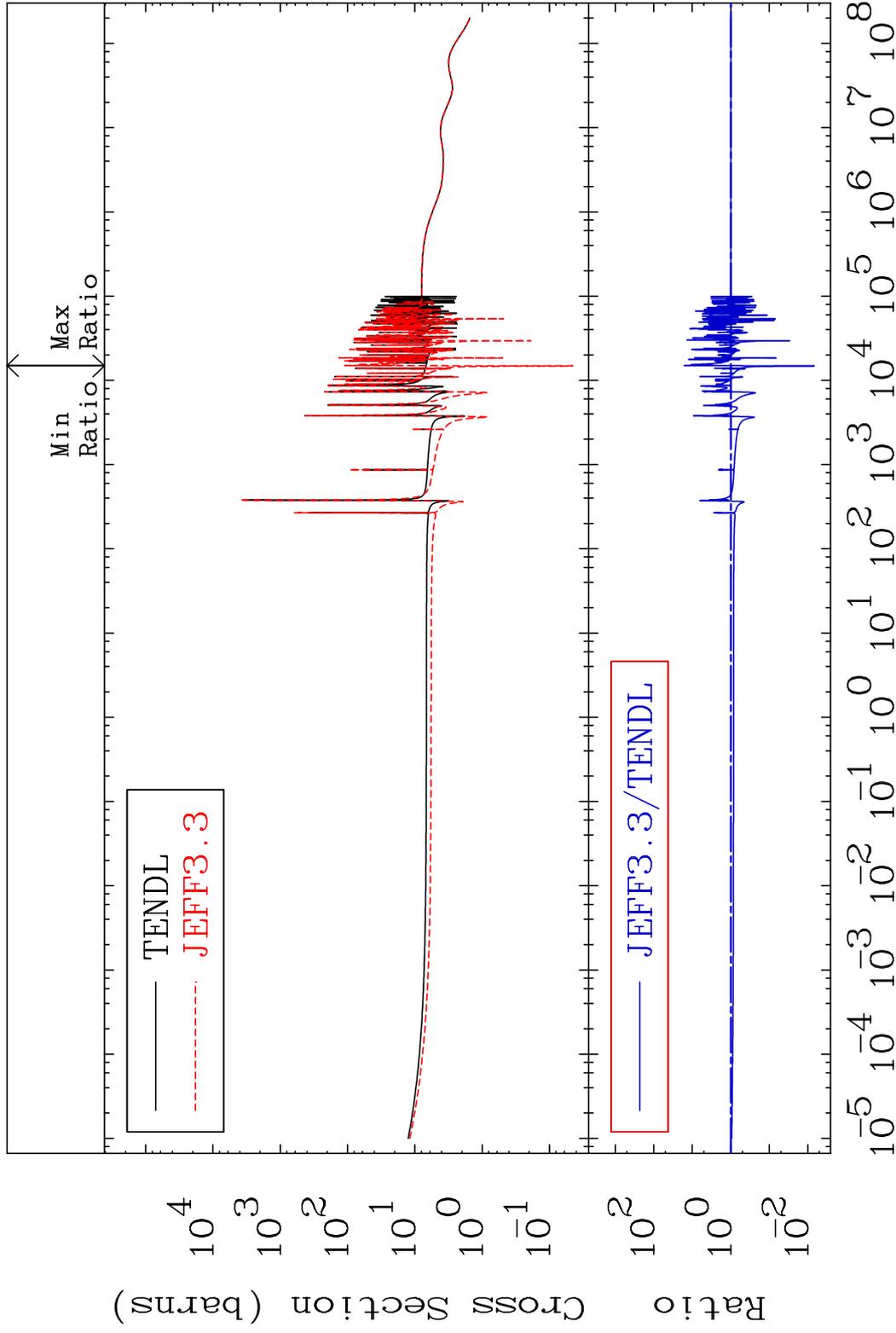
MAT 3731

Total

37-Rb-87

Cross Section

-99.34 To 1527. %



1

Incident Energy (eV)

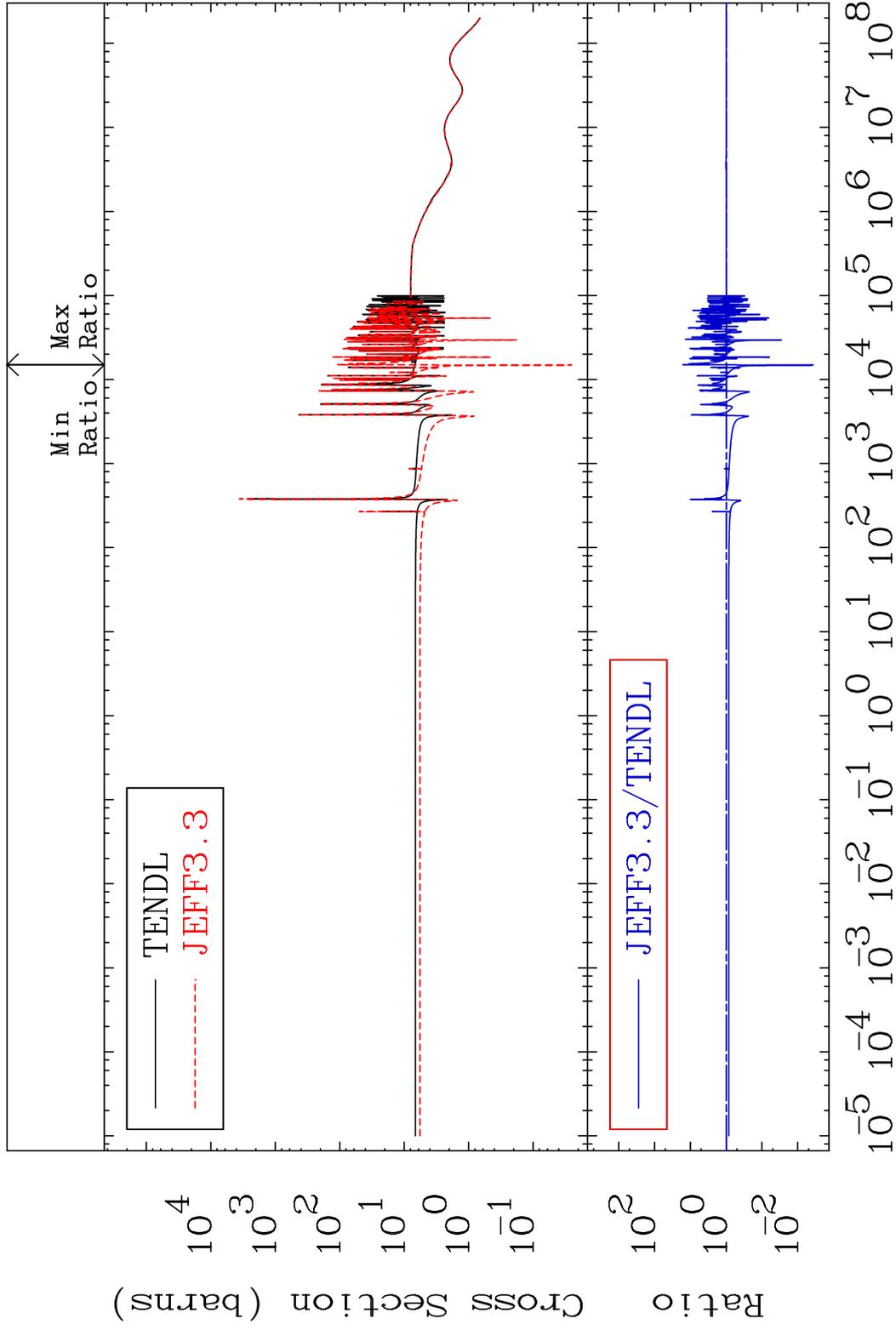
37-Rb-87

MAT 3731

Elastic

37-Rb-87

Cross Section -99.63 To 1519. %



2

Incident Energy (eV)

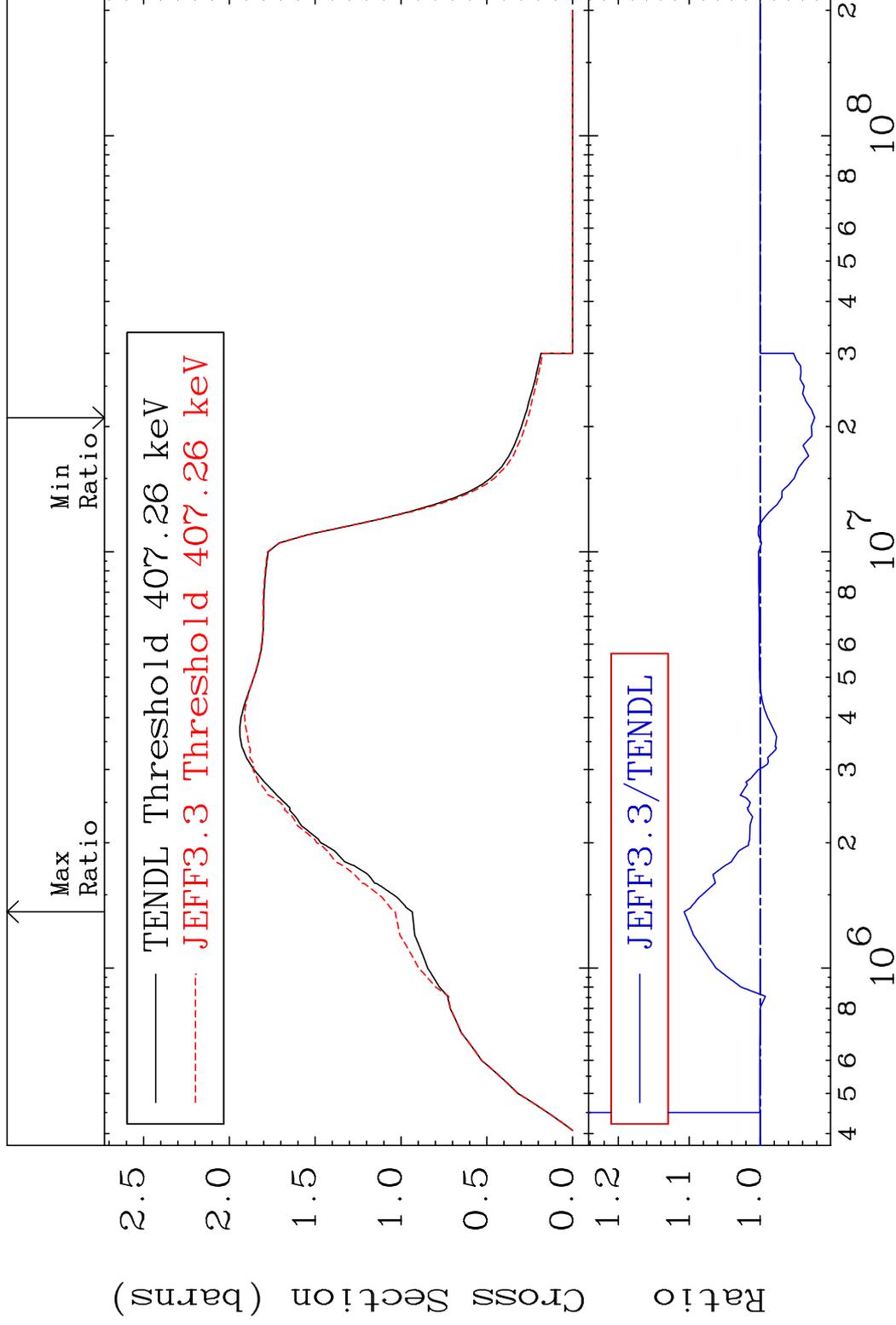
37-Rb-87

MAT 3731

Inelastic

37-Rb-87

Cross Section -7.691 To 10.72 %



3

Incident Energy (eV)

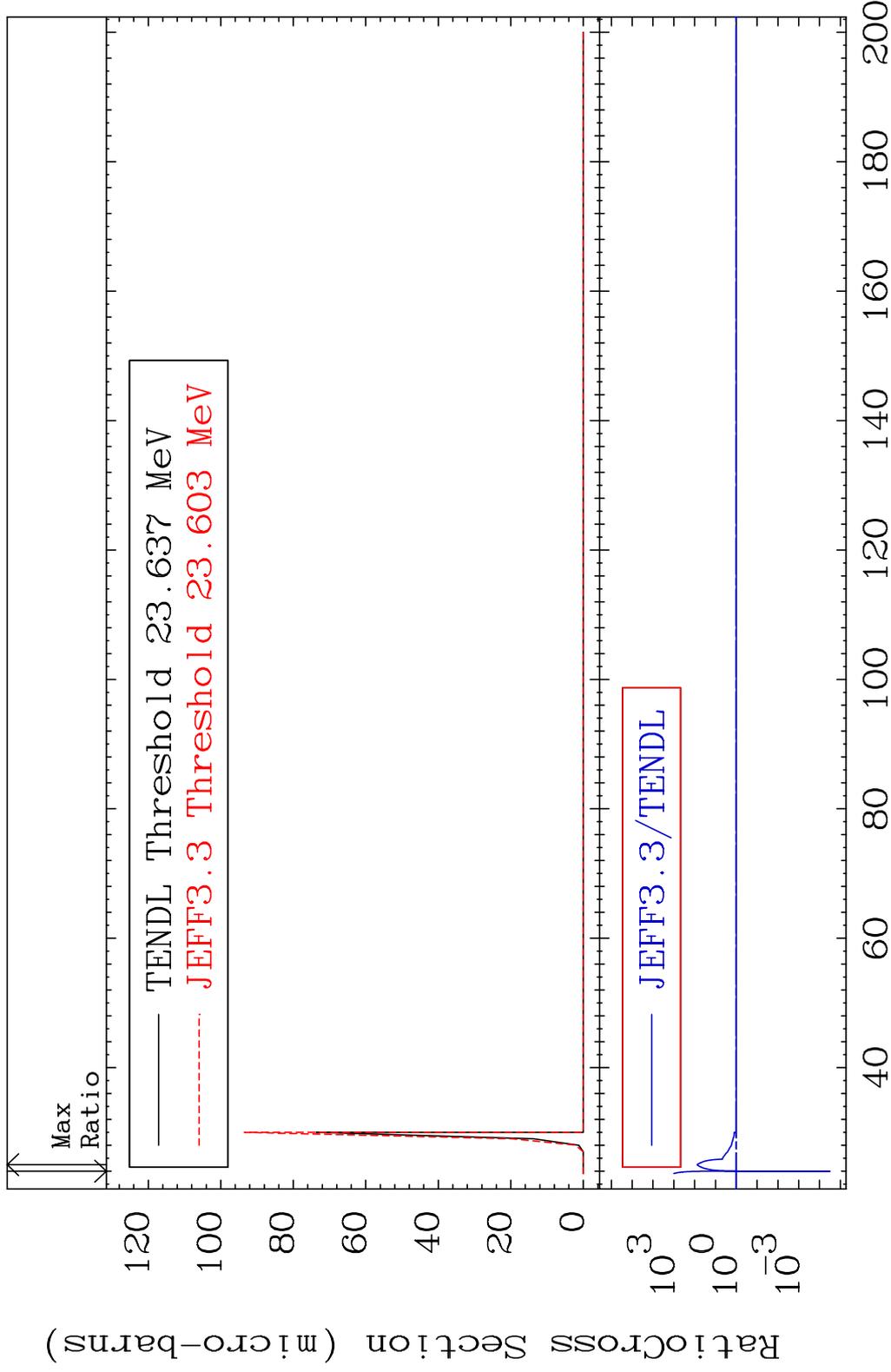
37-Rb-87

MAT 3731

(n,2n) d

37-Rb-87

Cross Section -100.0 To 7690. %

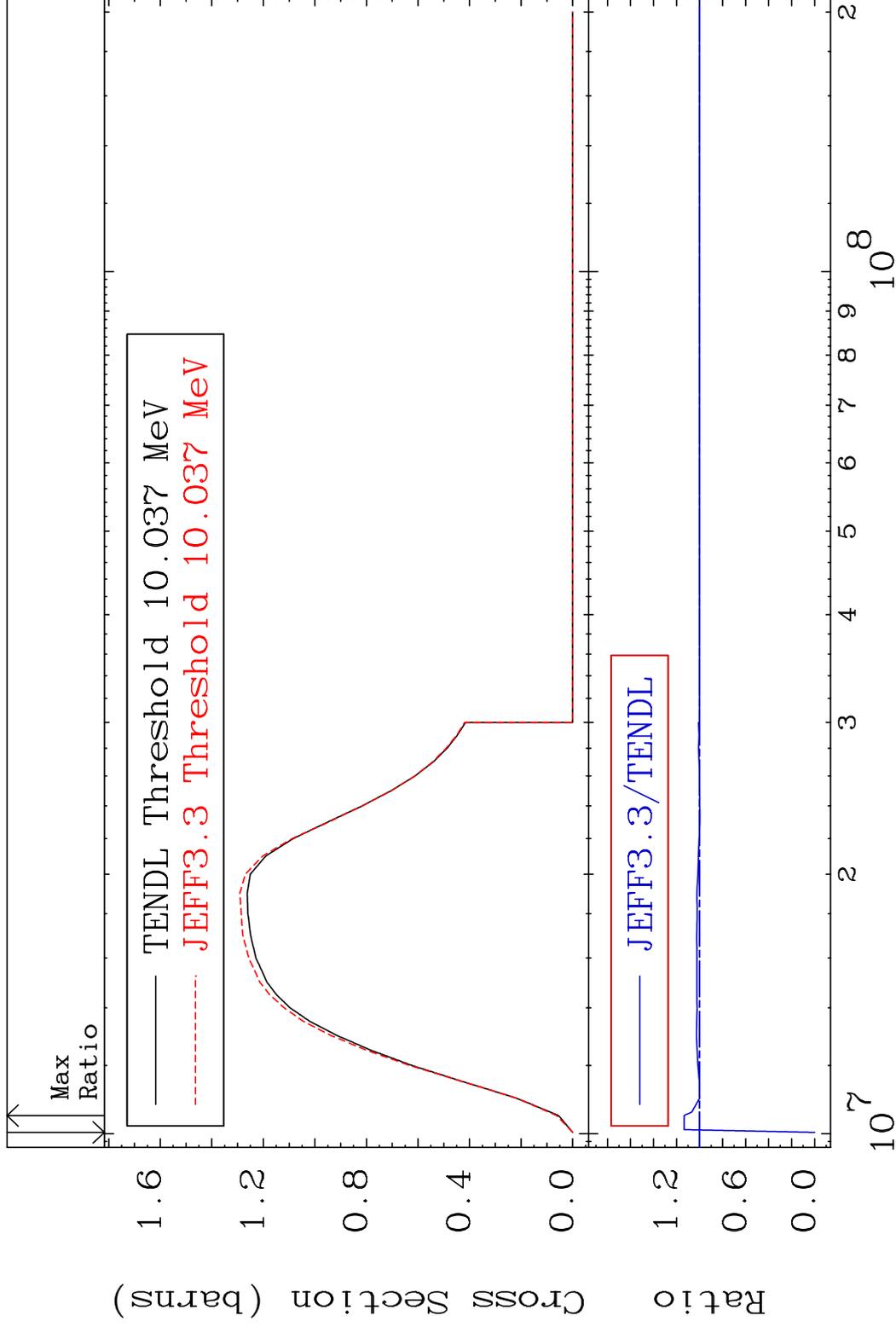


MAT 3731

(n,2n)

37-Rb-87

Cross Section -100.0 To 13.41 %



5

Incident Energy (eV)

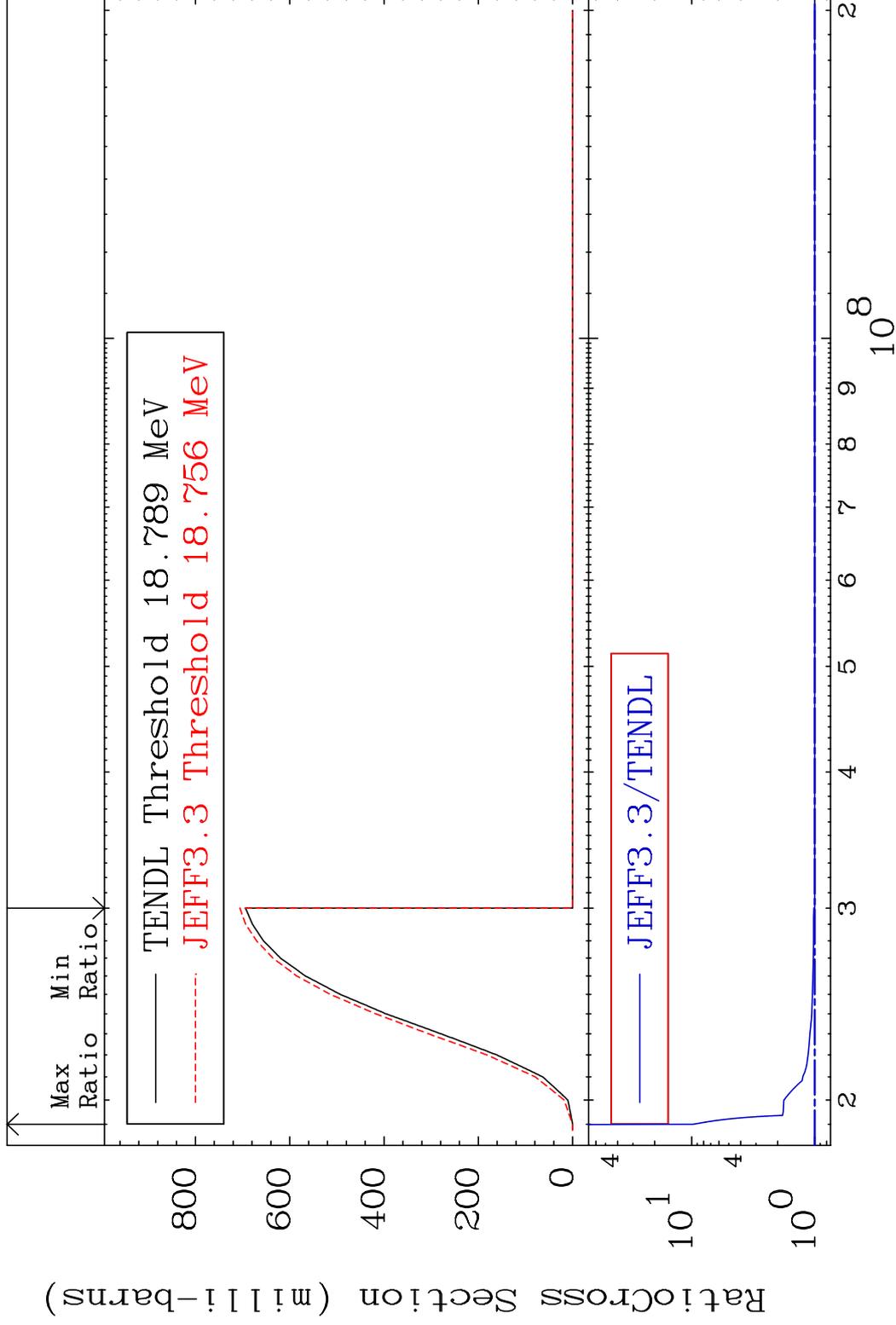
37-Rb-87

MAT 3731

(n,3n)

37-Rb-87

Cross Section 0.000 To 1051. %



6

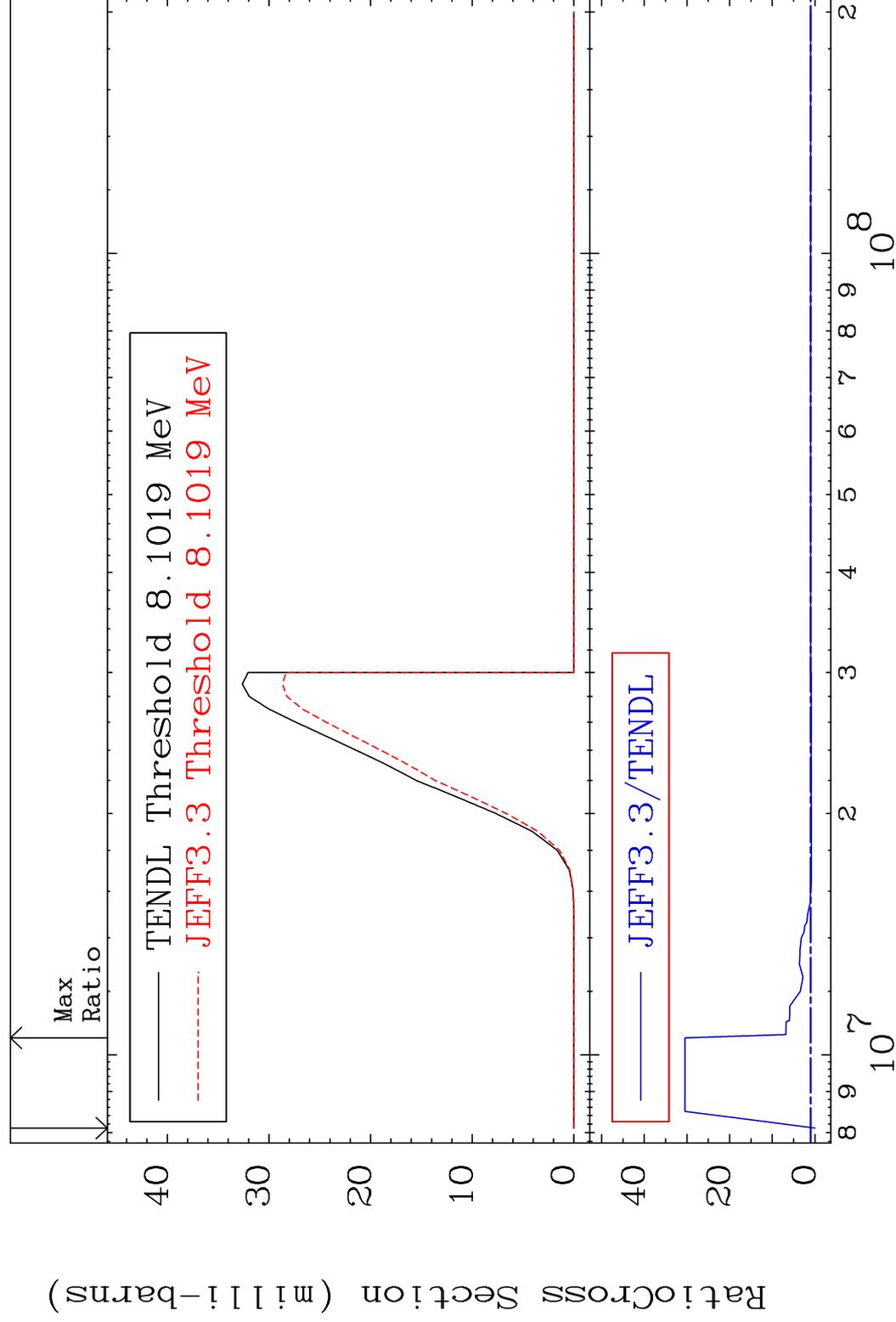
Incident Energy (eV)

37-Rb-87

MAT 3731

(n, n') α 37-Rb-87

Cross Section -100.0 To 2948. %



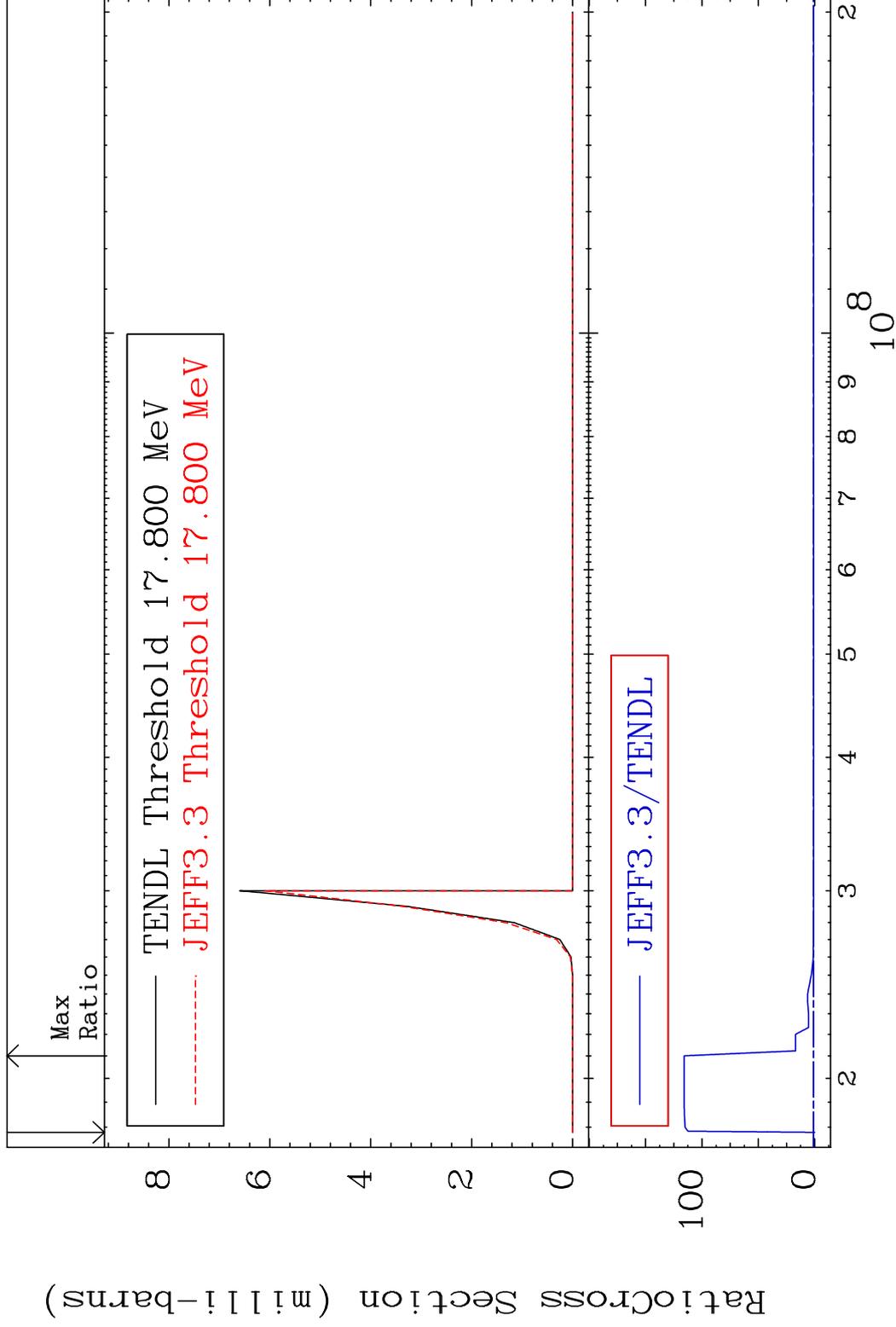
7 Incident Energy (eV) 37-Rb-87

MAT 3731

(n,2n) α

37-Rb-87

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

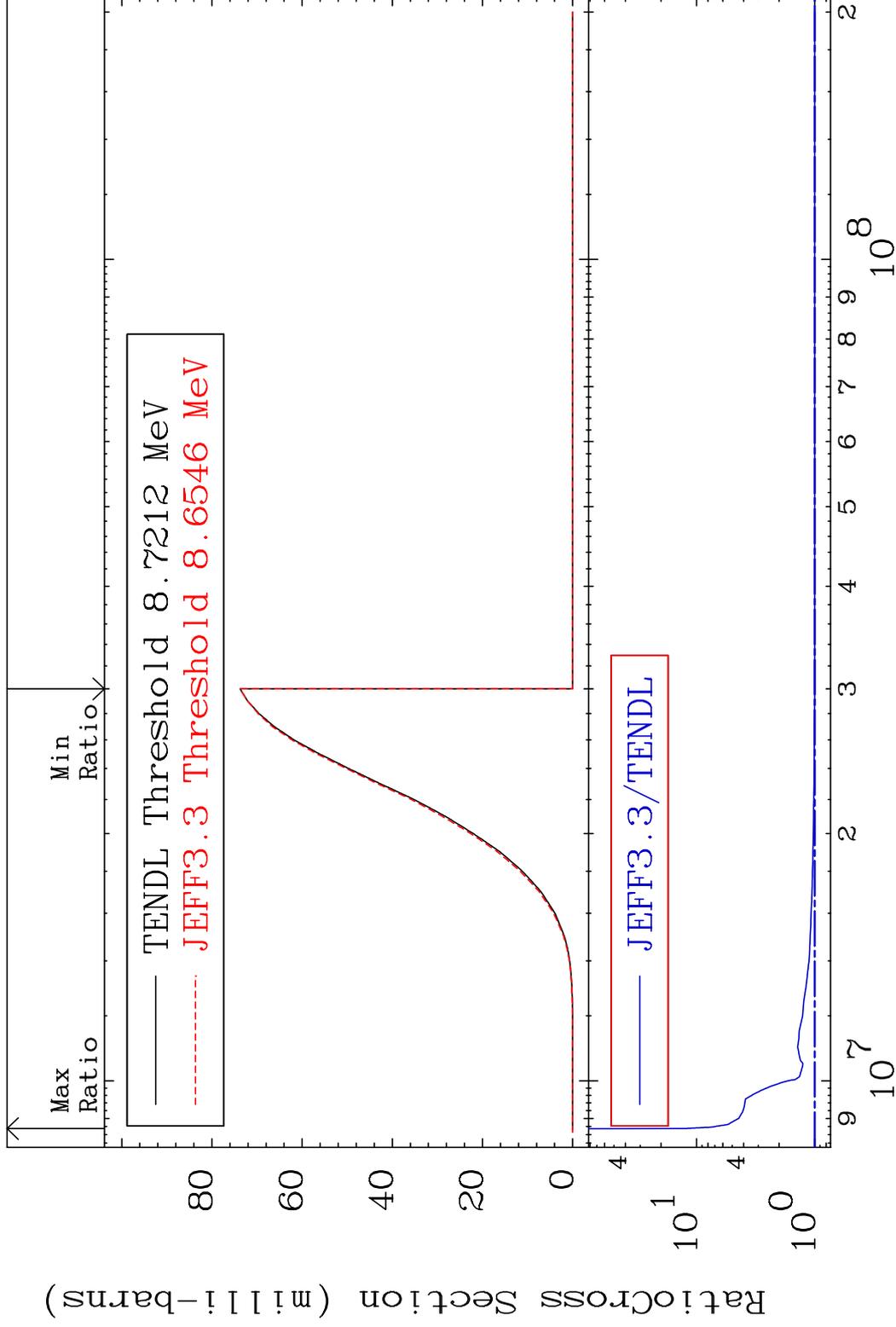
37-Rb-87

MAT 3731

(n, n') p

37-Rb-87

Cross Section 0.000 To 1174. %



9

Incident Energy (eV)

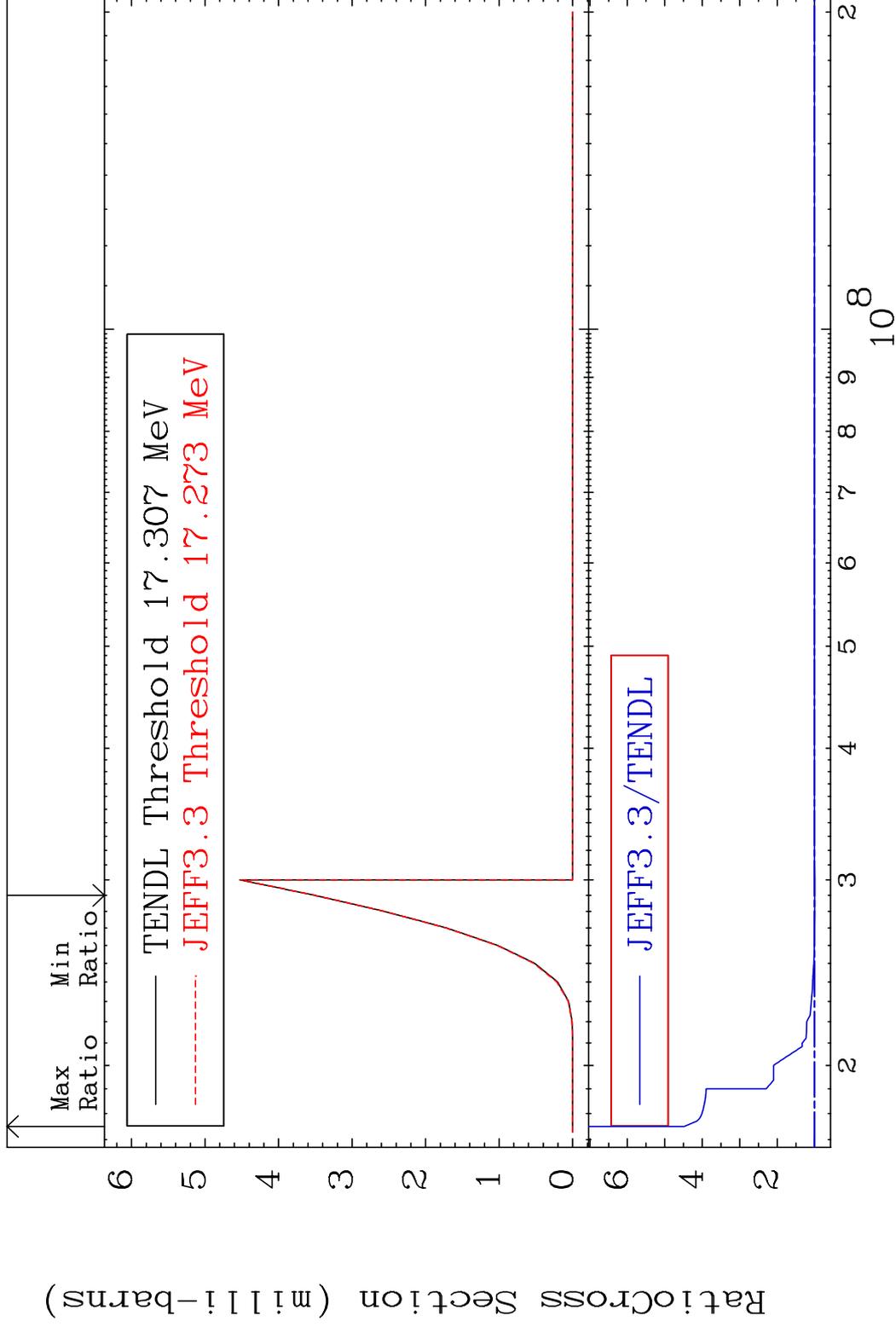
37-Rb-87

MAT 3731

(n, n') t

37-Rb-87

Cross Section -0.173 To 348.4 %

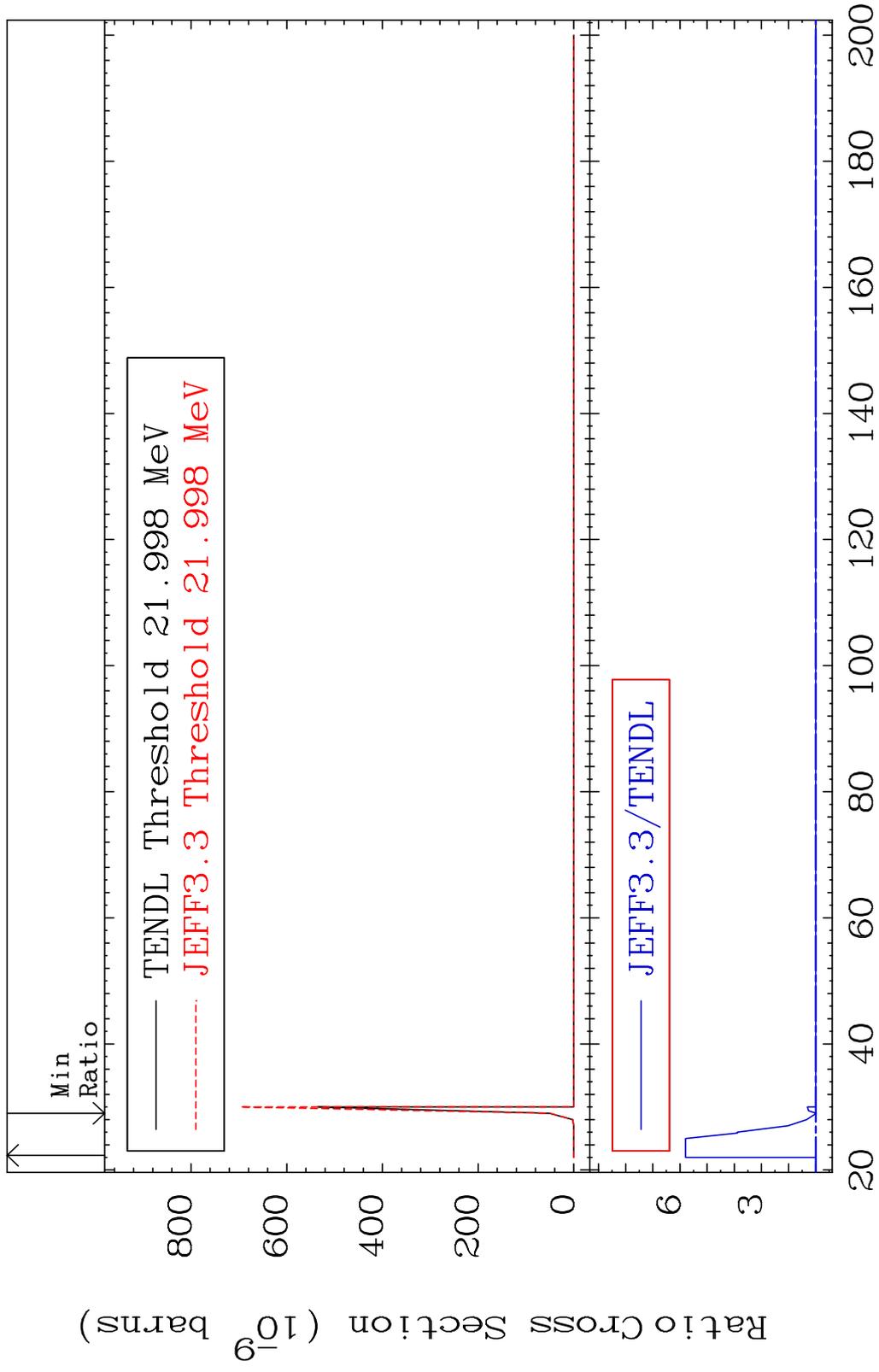


MAT 3731

(n,n') He-3

37-Rb-87

Cross Section -2.194 To 479.6 %

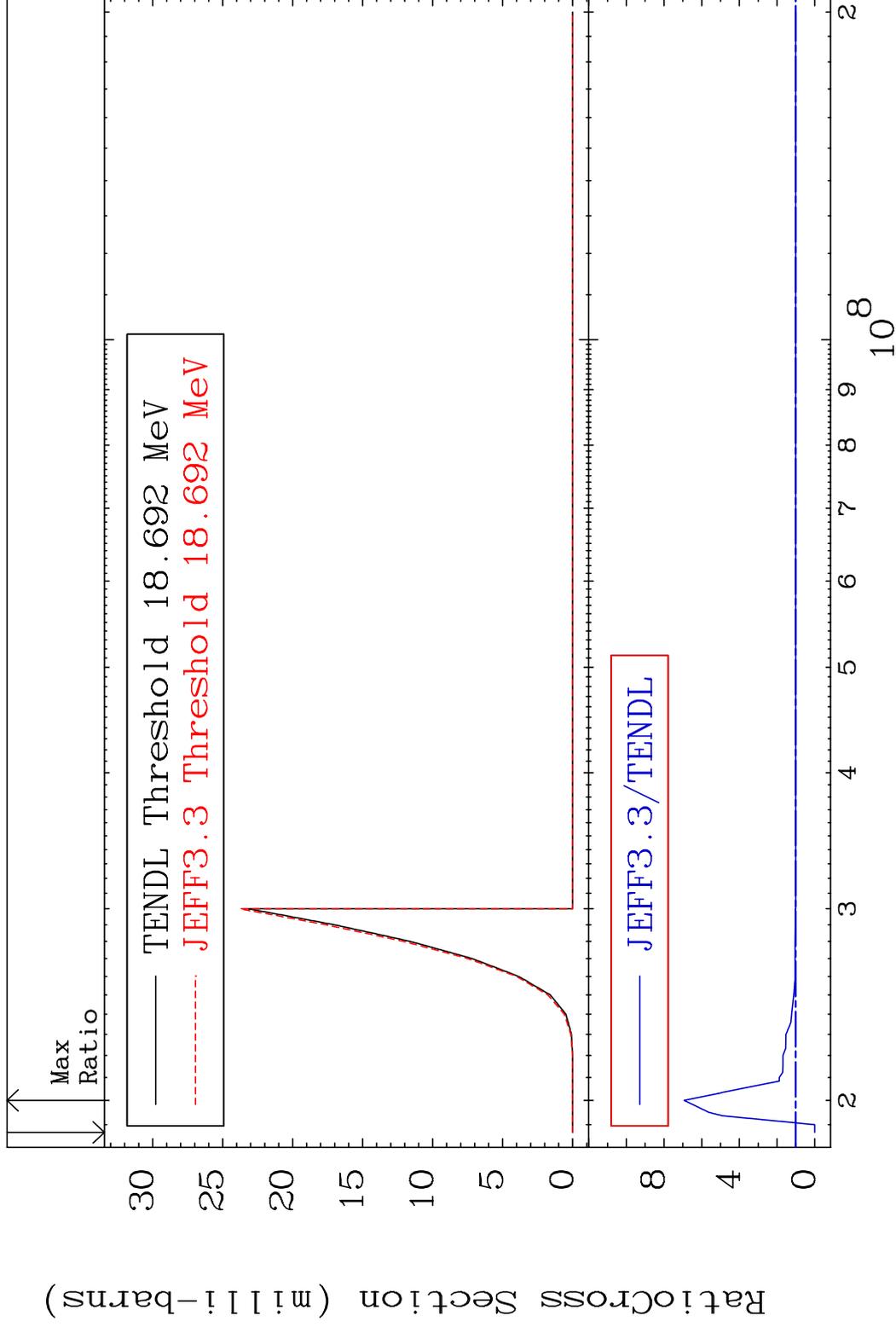


MAT 3731

(n,2n) p

37-Rb-87

Cross Section -100.0 To 593.1 %



13

Incident Energy (eV)

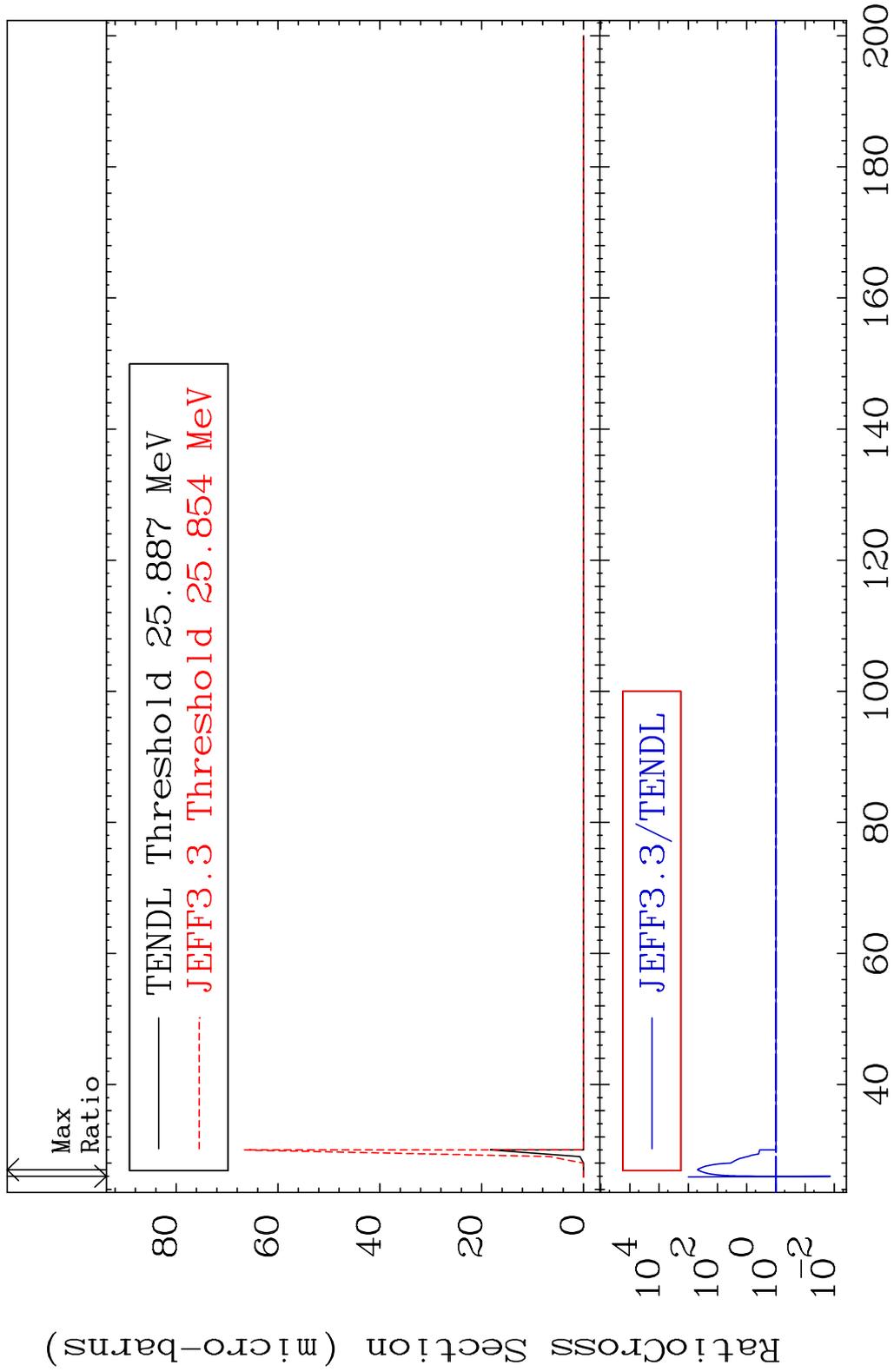
37-Rb-87

MAT 3731

(n,3n) p

37-Rb-87

Cross Section -98.62 To 9999. %

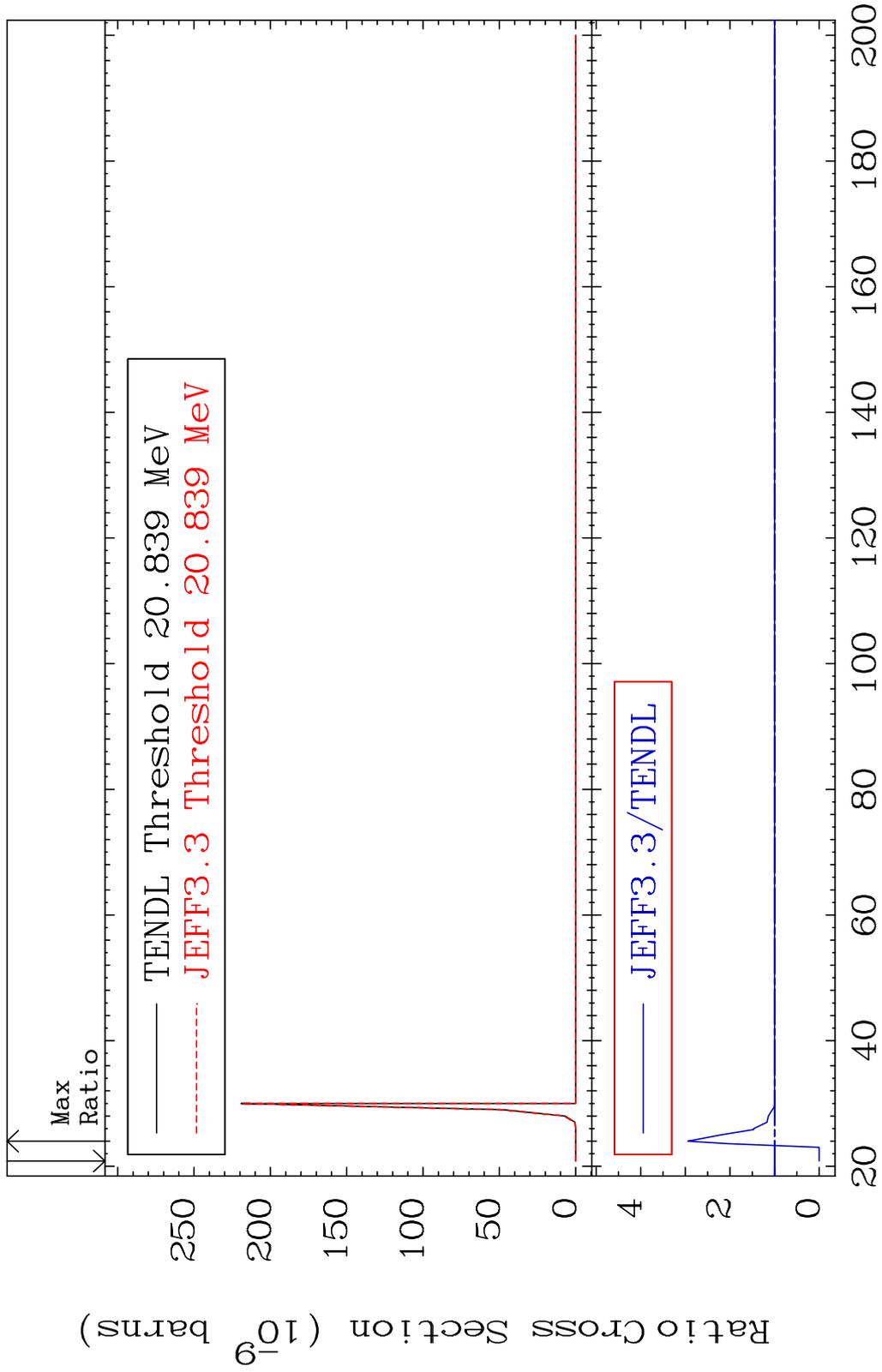


MAT 3731

(n,2n) p

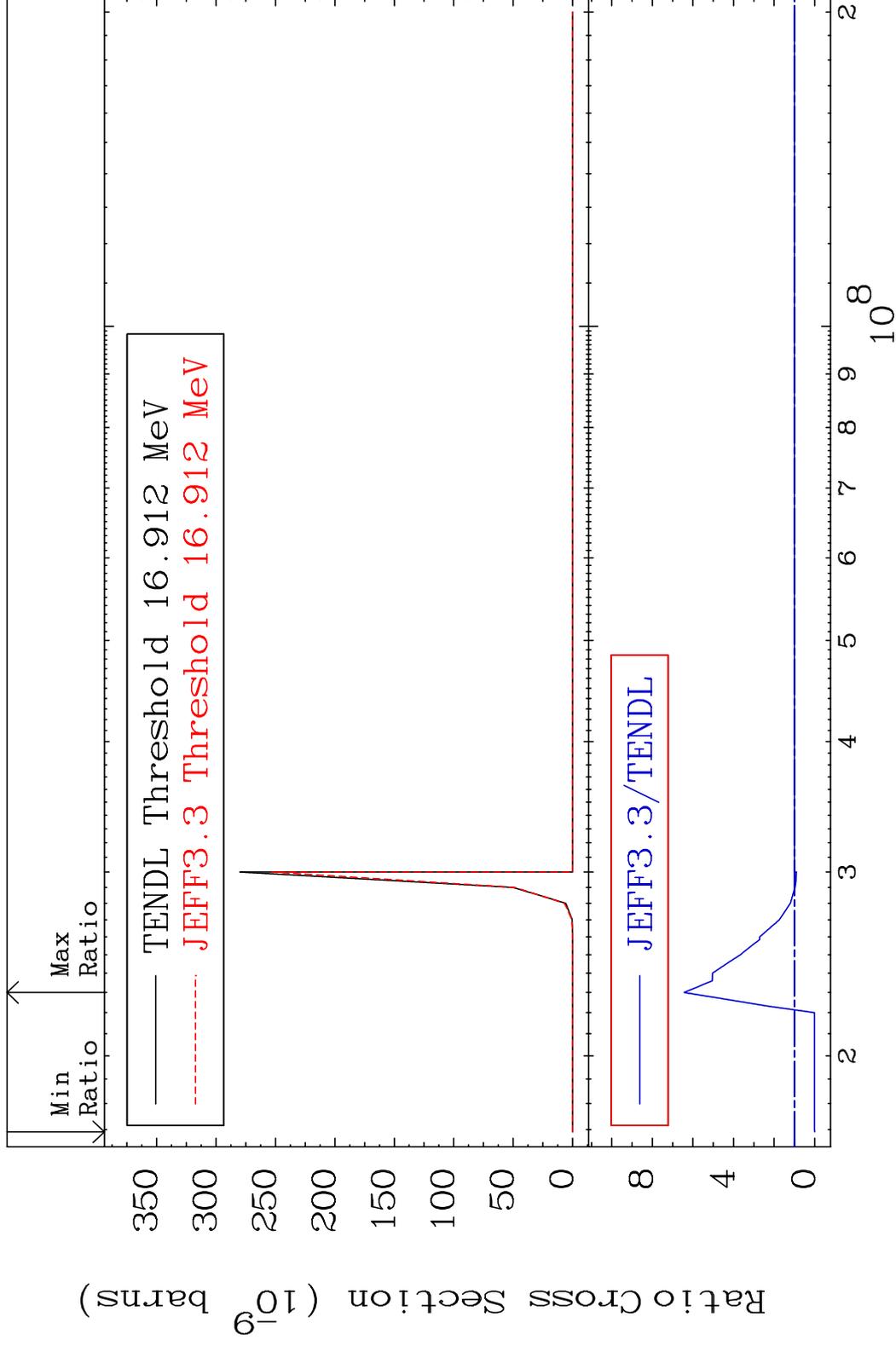
37-Rb-87

Cross Section -100.0 To 194.4 %



MAT 3731

(n, n') p α 37-Rb-87
Cross Section -100.0 To 543.3 %

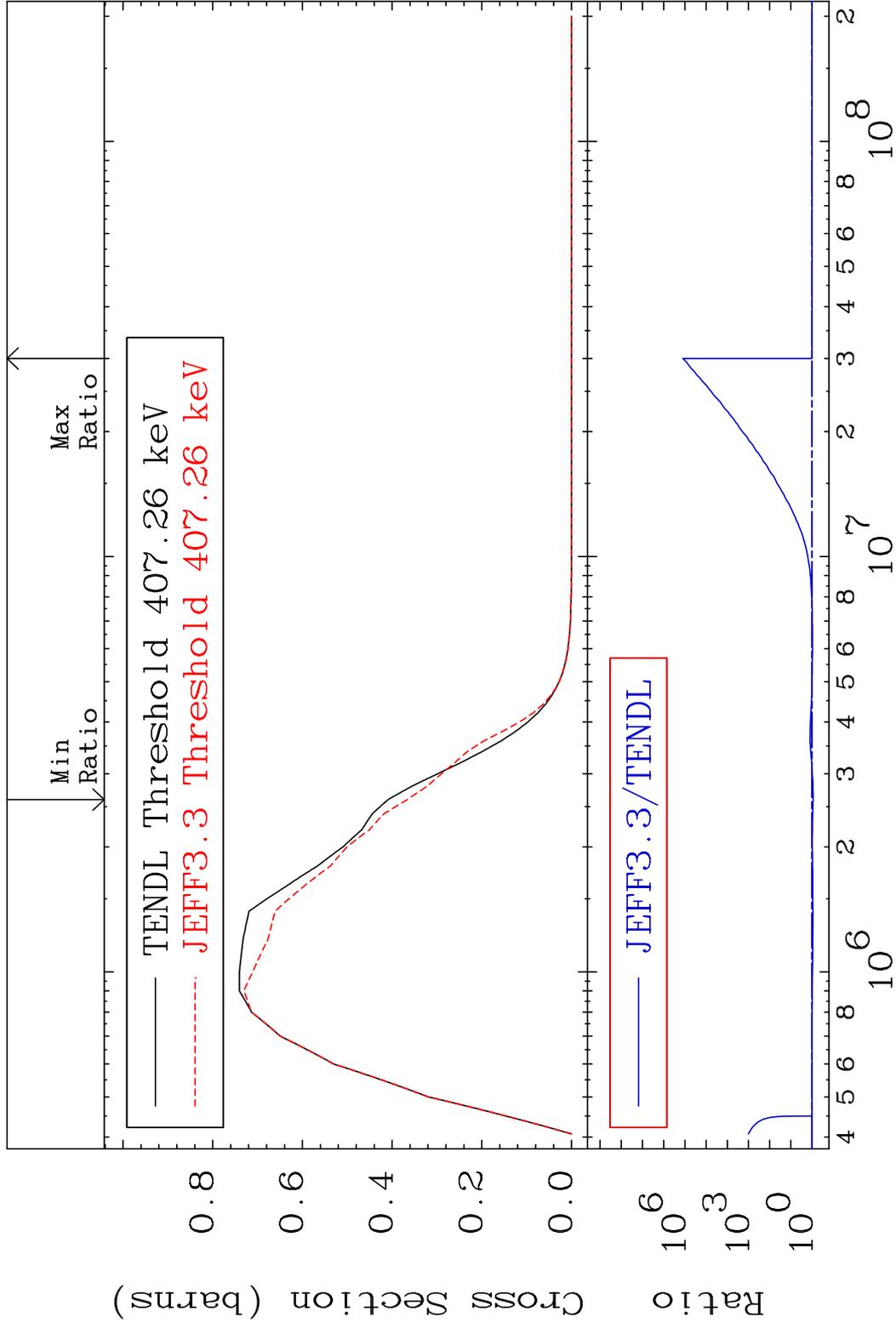


16

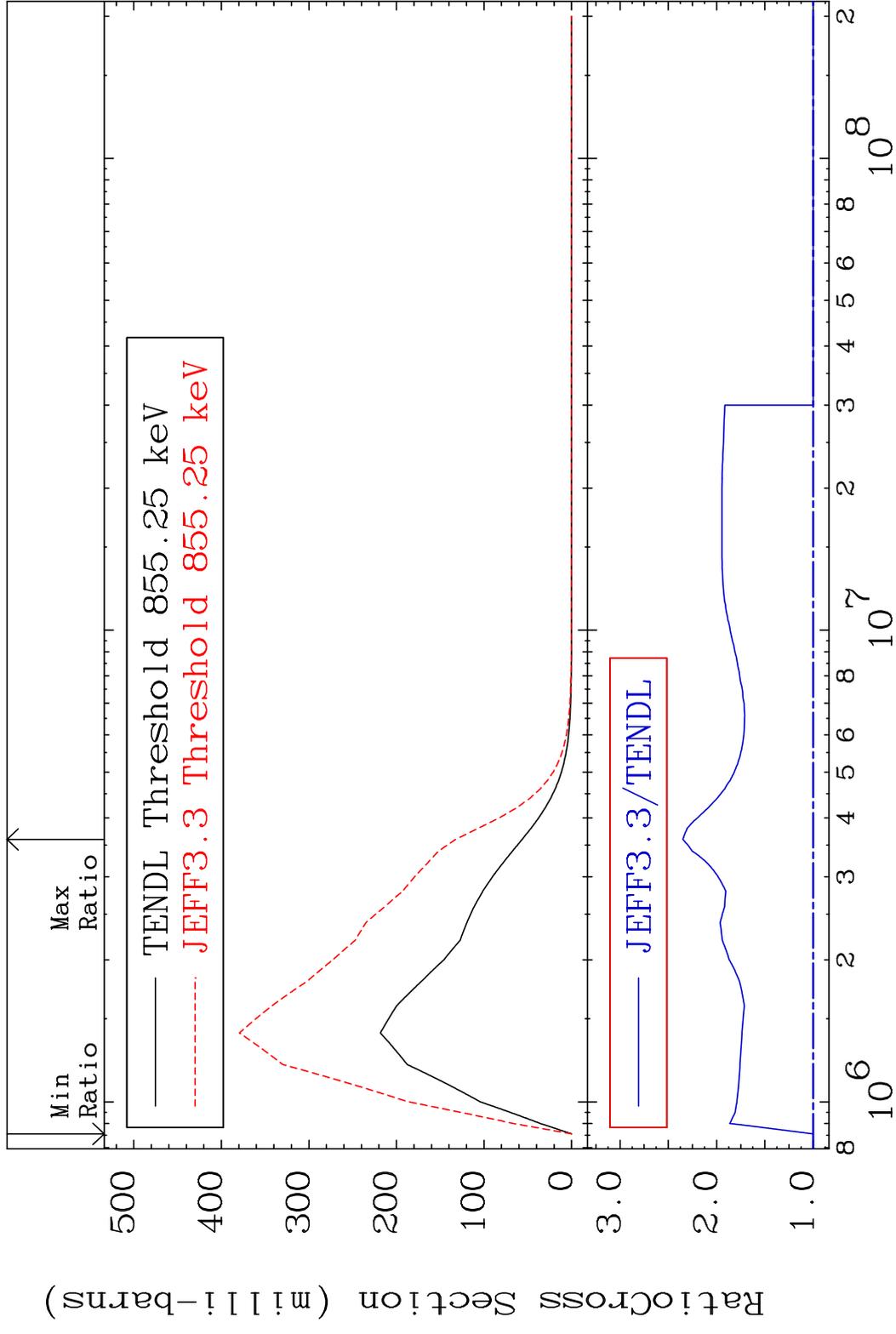
Incident Energy (eV)

37-Rb-87

MAT 3731 MT= 51 (n,n') Level 37-Rb-87
 Cross Section -10.52 To 9999. %

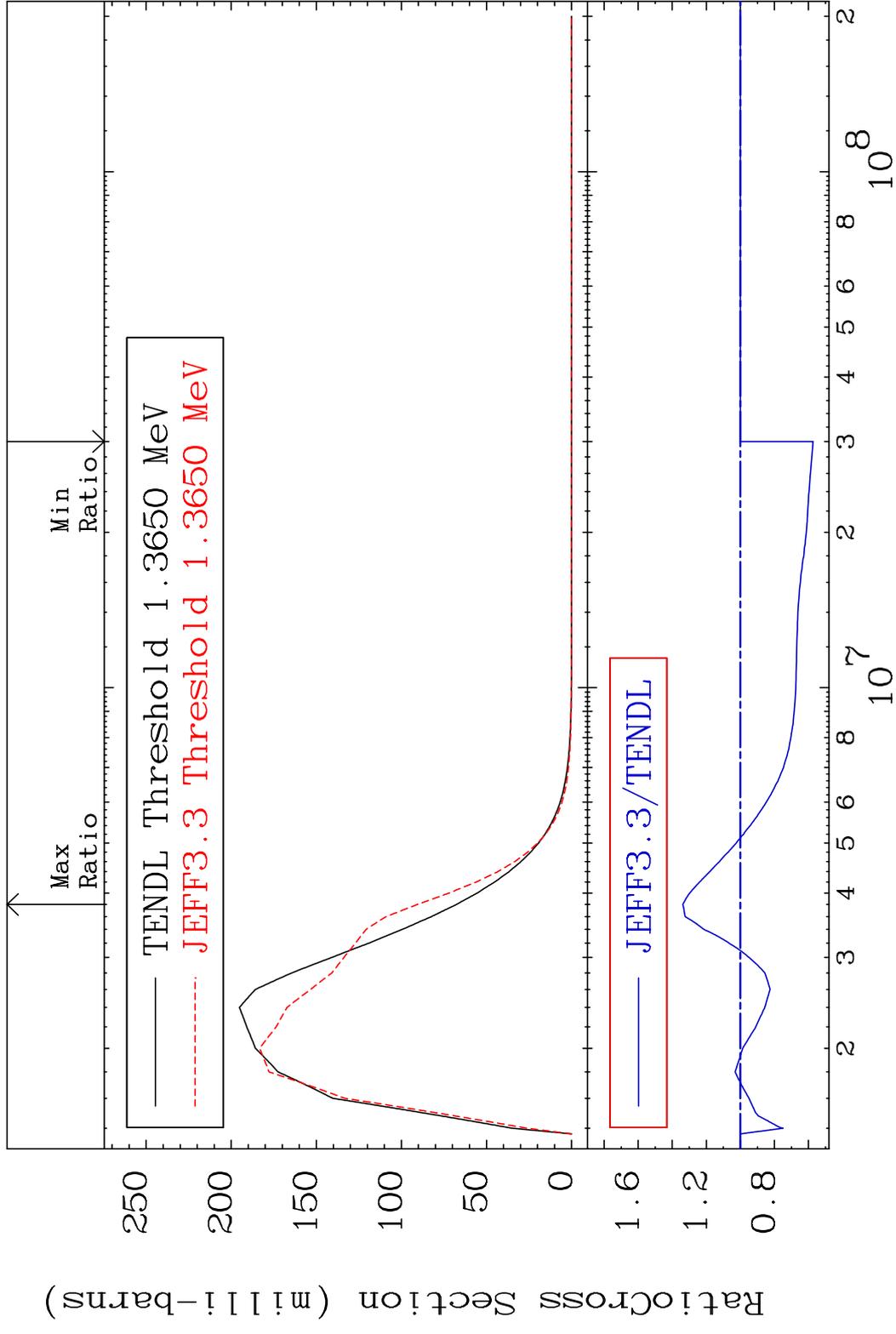


MAT 3731 MT= 52 (n,n') Level 37-Rb-87
 Cross Section 0.000 To 135.0 %

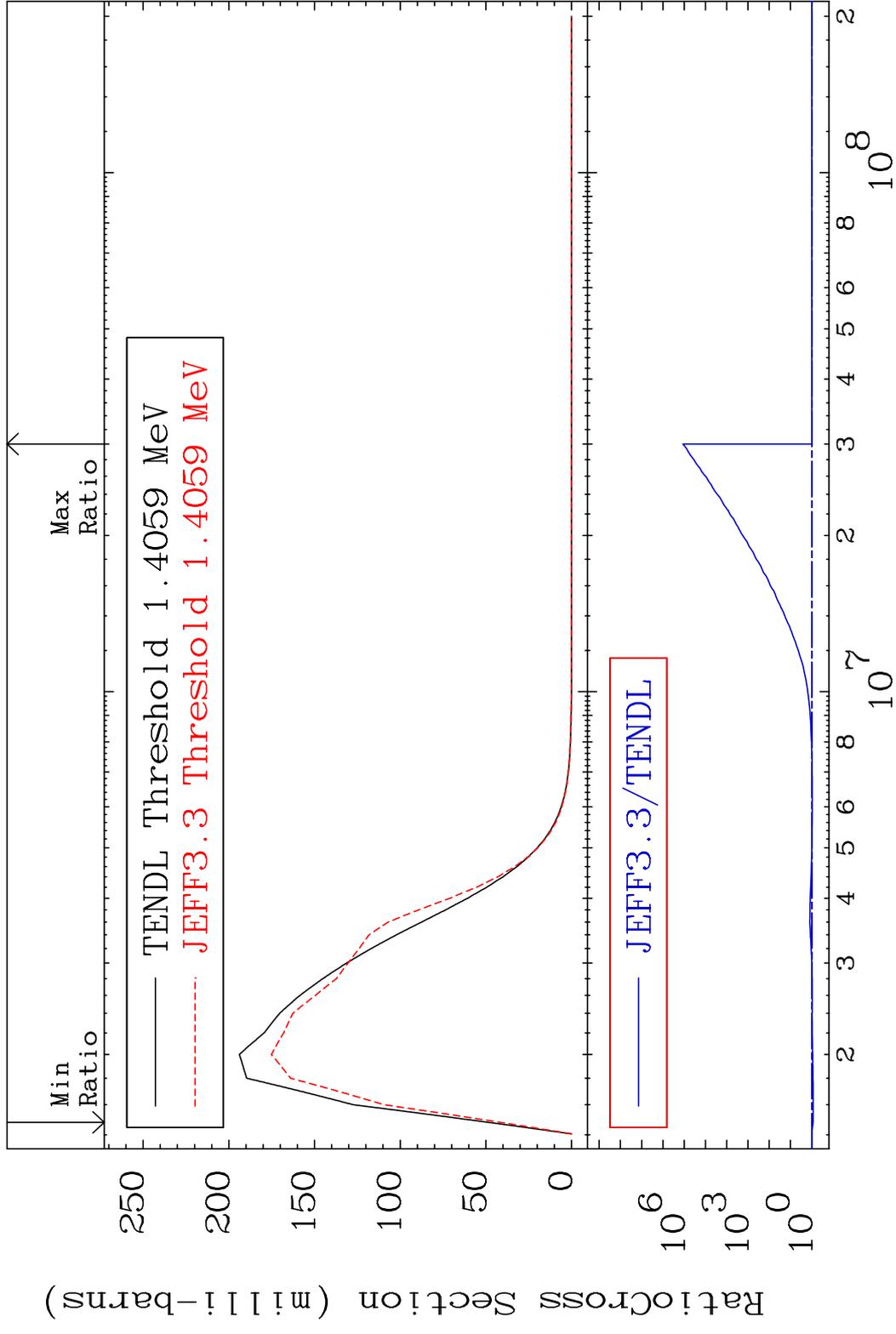


18 37-Rb-87

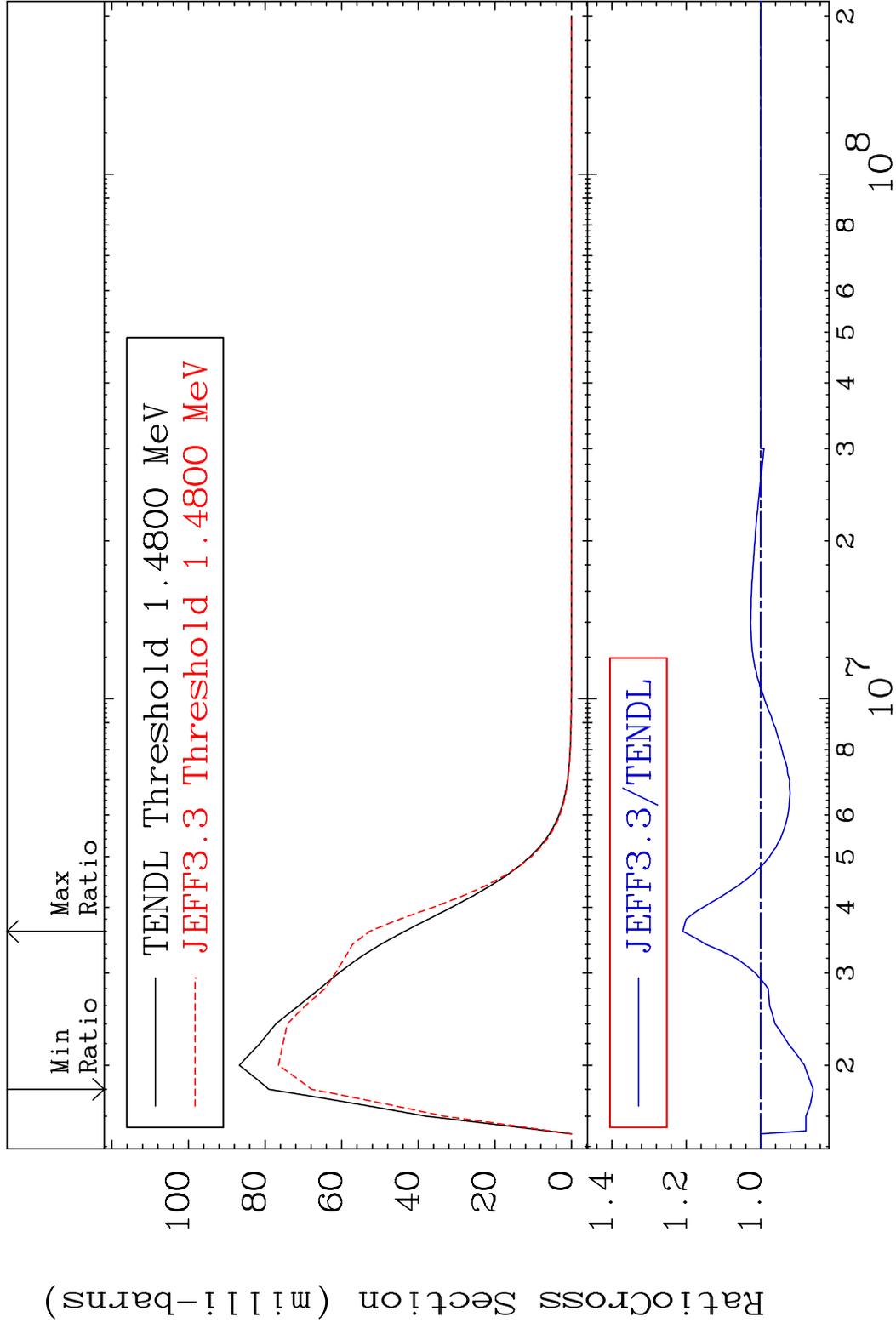
MAT 3731 MT= 53 (n, n') Level 37-Rb-87
 Cross Section -42.73 To 33.78 %



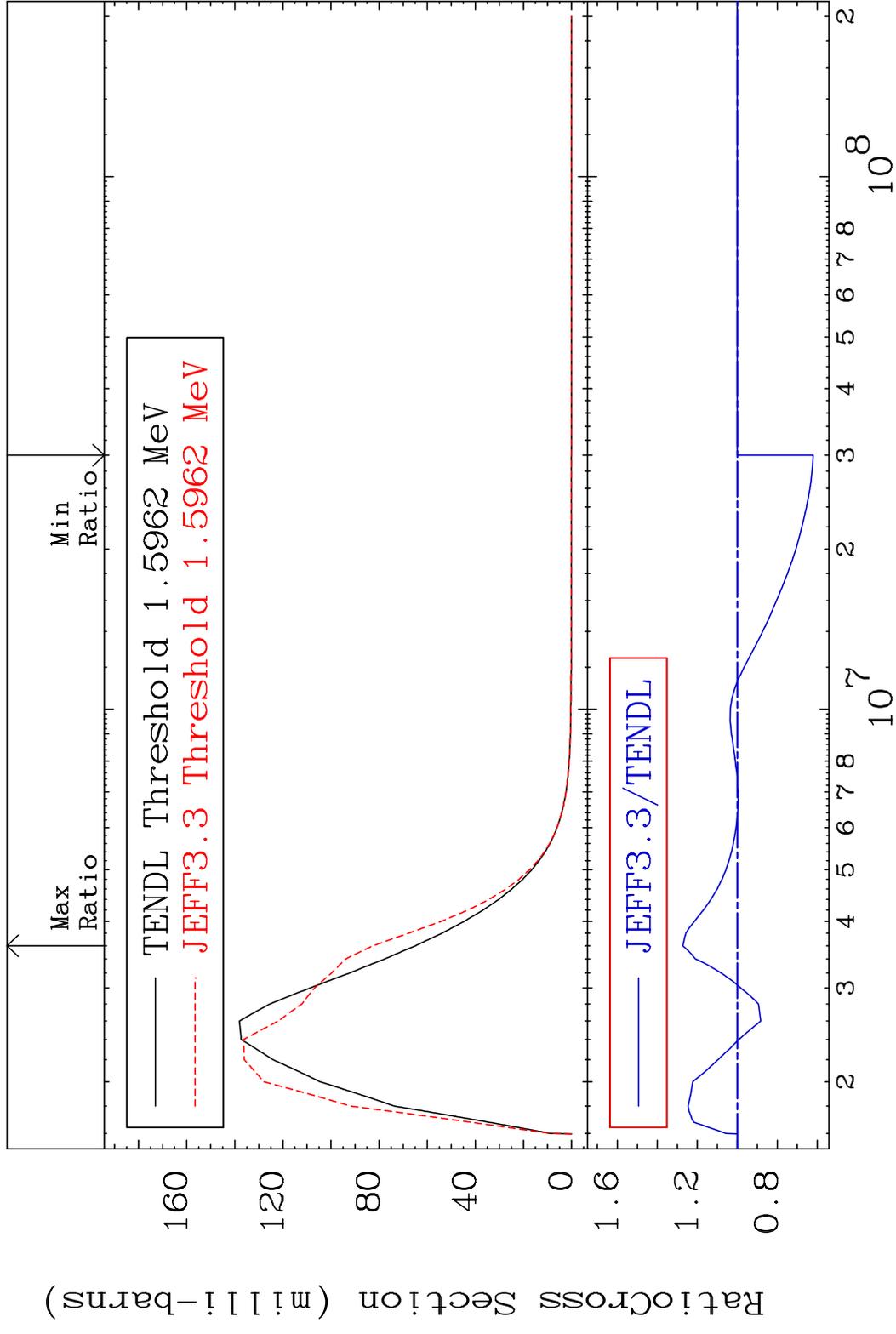
MAT 3731 MT= 54 (n,n') Level 37-Rb-87
 Cross Section -14.15 To 9999. %



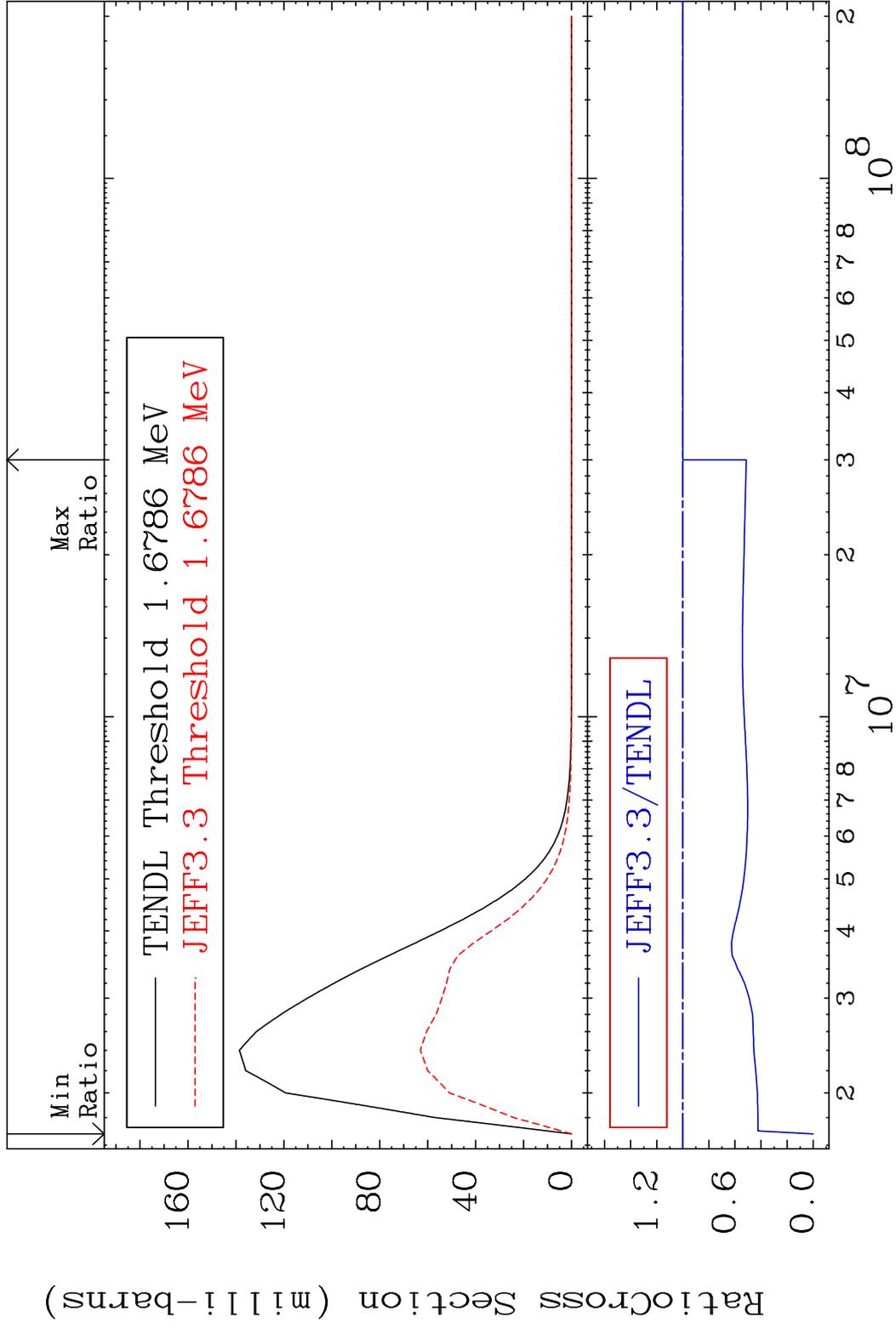
MAT 3731 MT= 55 (n,n') Level 37-Rb-87
 Cross Section -14.09 To 20.91 %



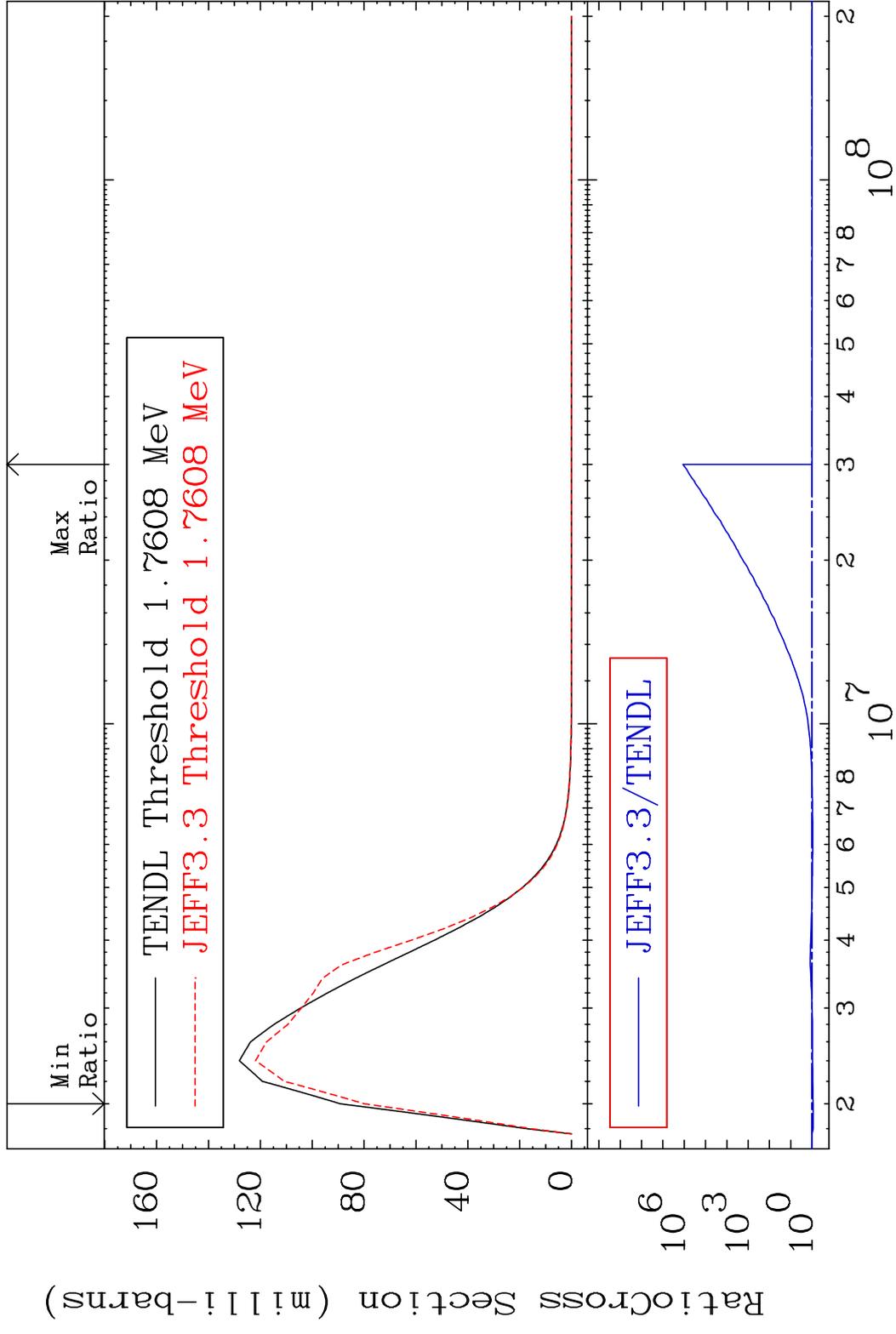
MAT 3731 MT= 56 (n,n') Level 37-Rb-87
 Cross Section -37.95 To 27.24 %



MAT 3731 MT= 57 (n,n') Level 37-Rb-87
 Cross Section -100.0 To 0.000 %

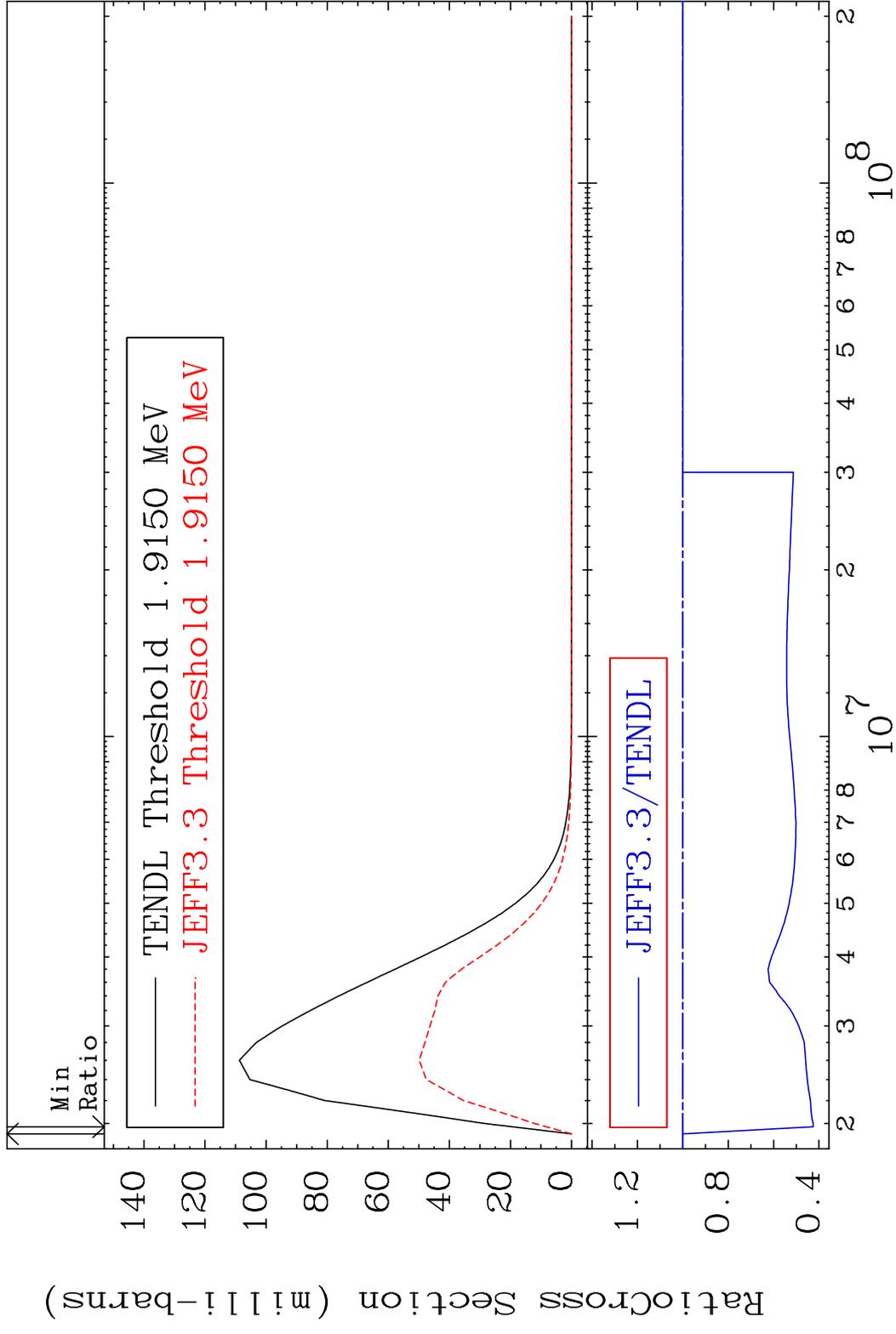


MAT 3731 MT= 58 (n, n') Level 37-Rb-87
 Cross Section -10.39 To 9999. %

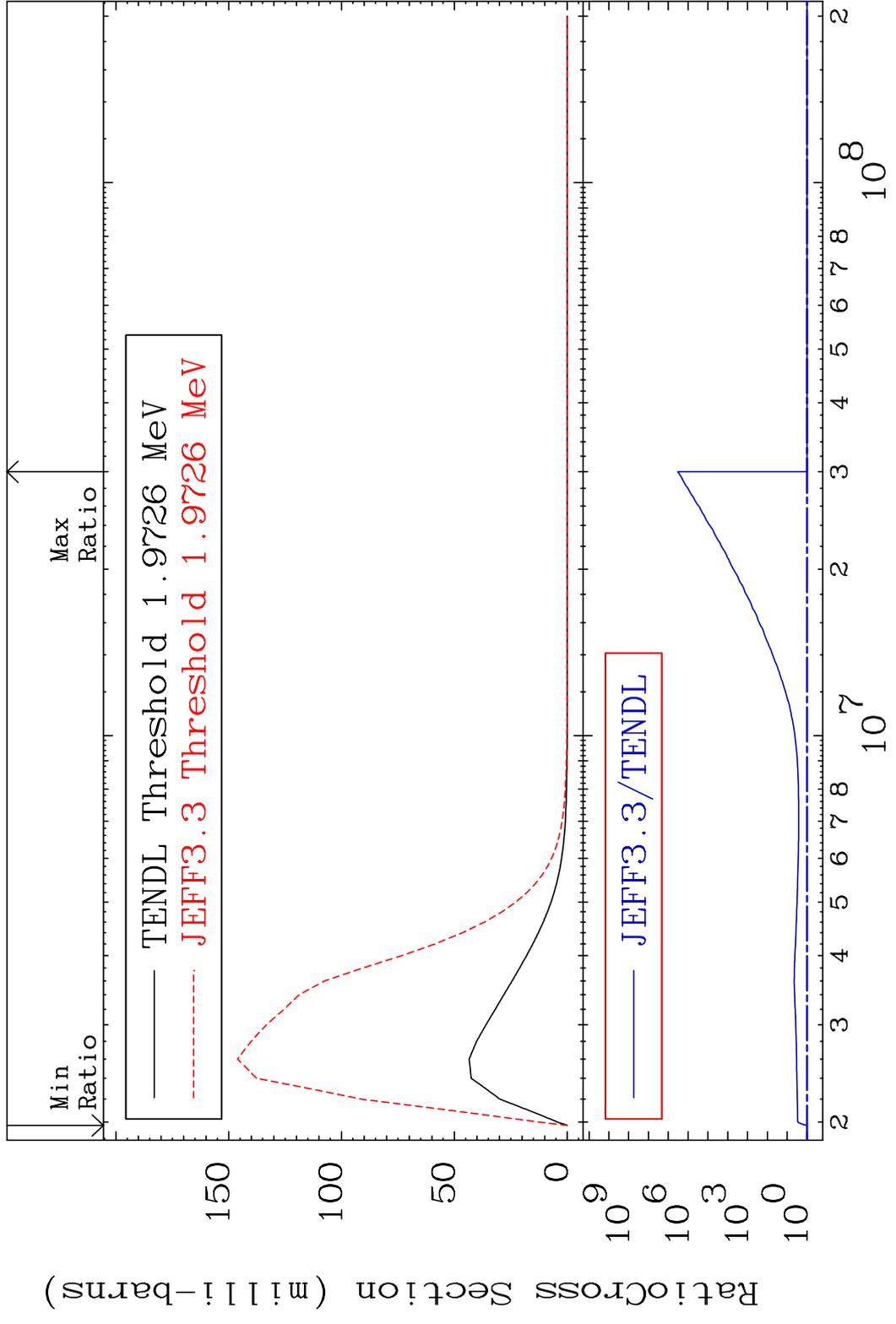


24 Incident Energy (eV) 37-Rb-87

MAT 3731 MT= 59 (n,n') Level 37-Rb-87
 Cross Section -57.43 To 0.000 %

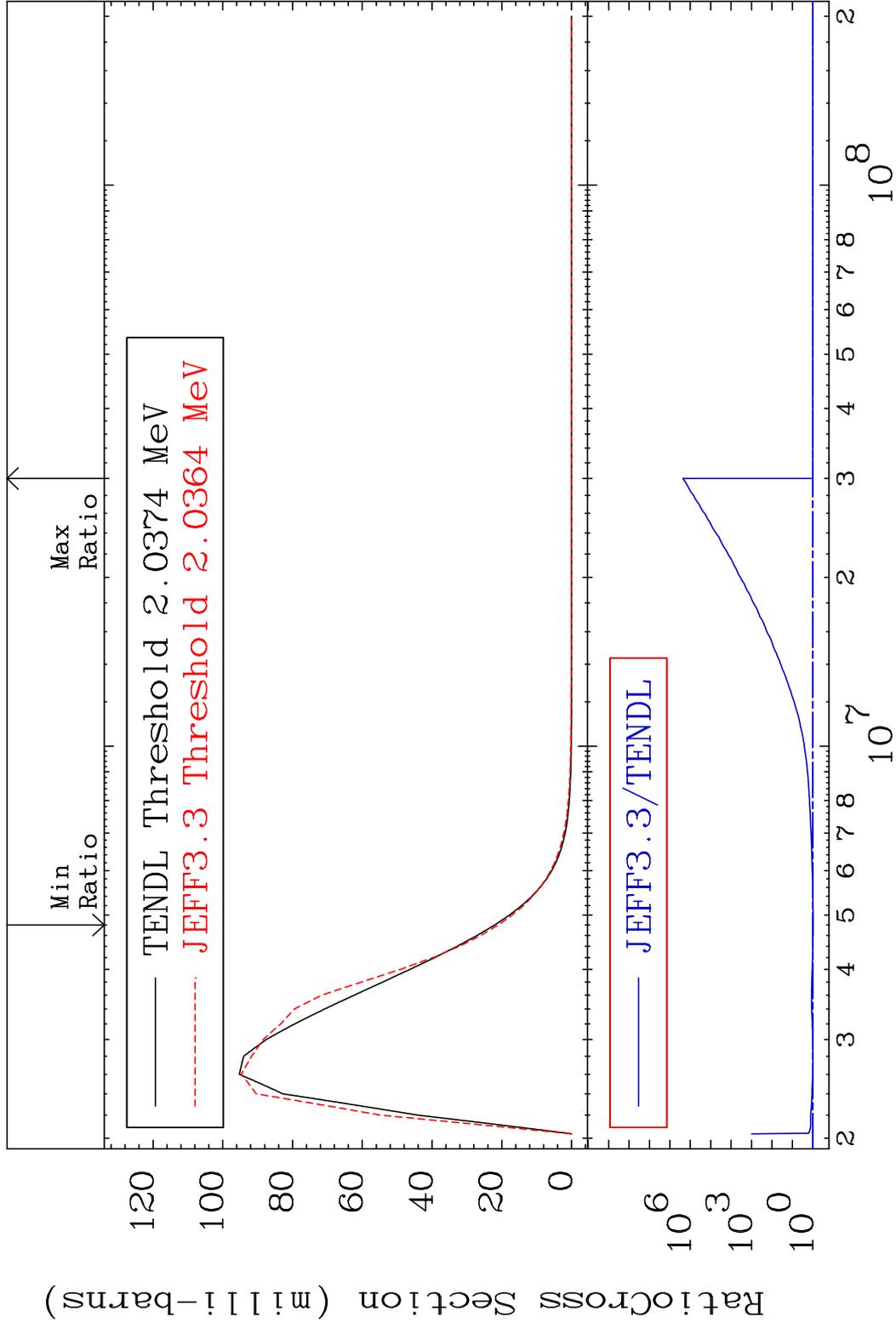


MAT 3731 MT= 60 (n, n') Level 37-Rb-87
 Cross Section 0.000 To 9999. %

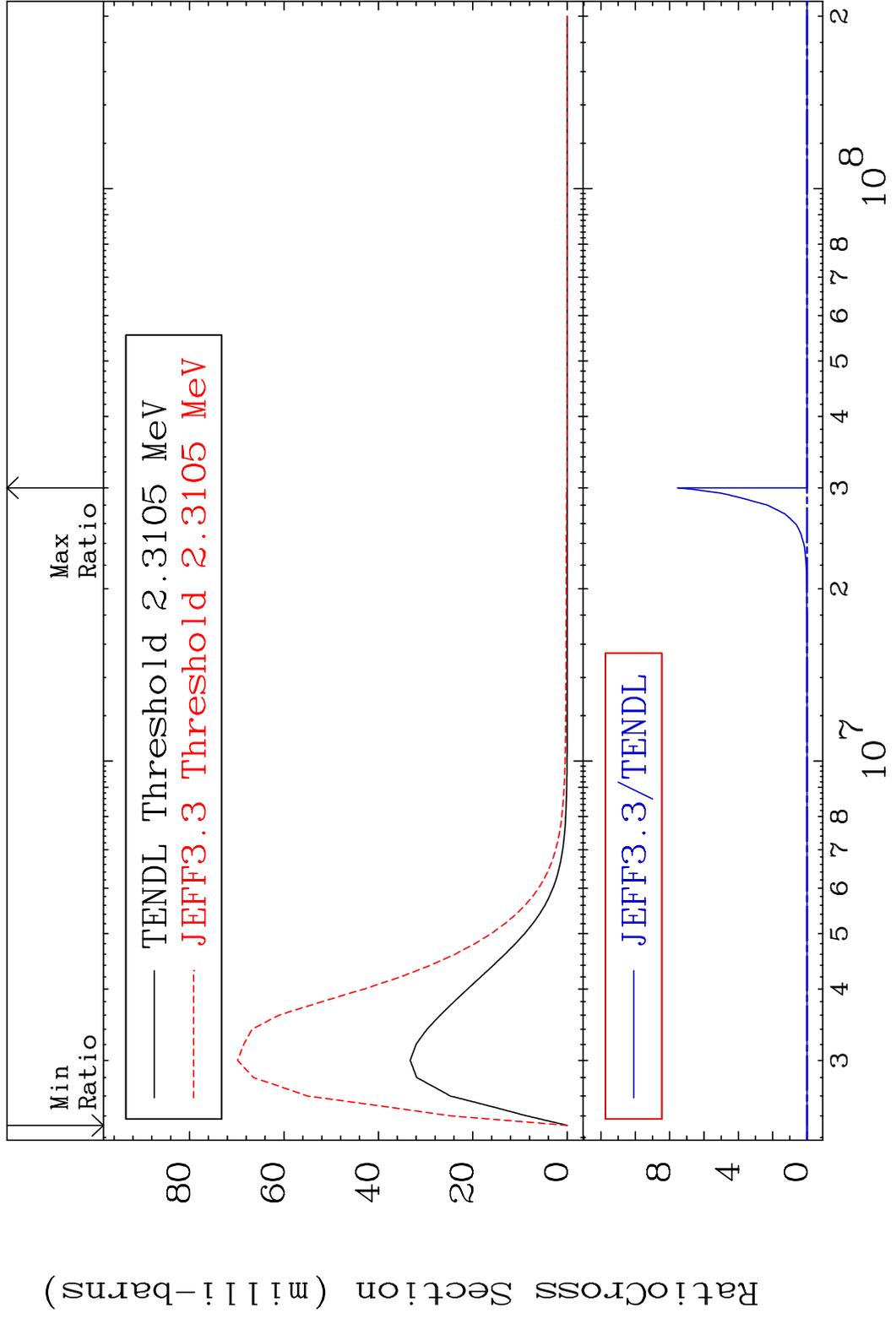


26 Incident Energy (eV) 37-Rb-87

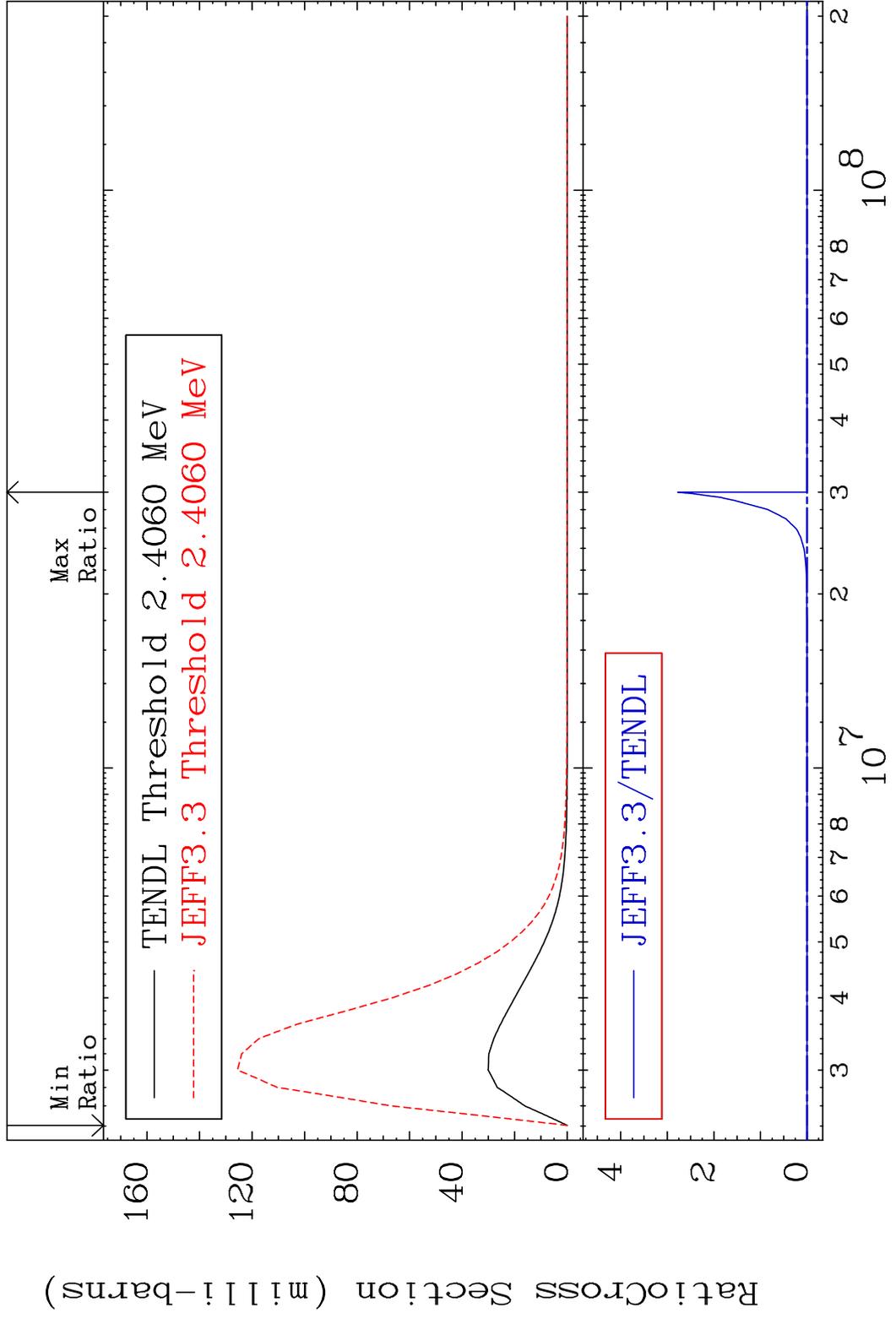
MAT 3731 MT= 61 (n, n') Level 37-Rb-87
 Cross Section -4.604 To 9999. %



MAT 3731 MT= 62 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %



MAT 3731 MT= 63 (n, n') Level 37-Rb-87
 Cross Section -100.0 To 9999. %

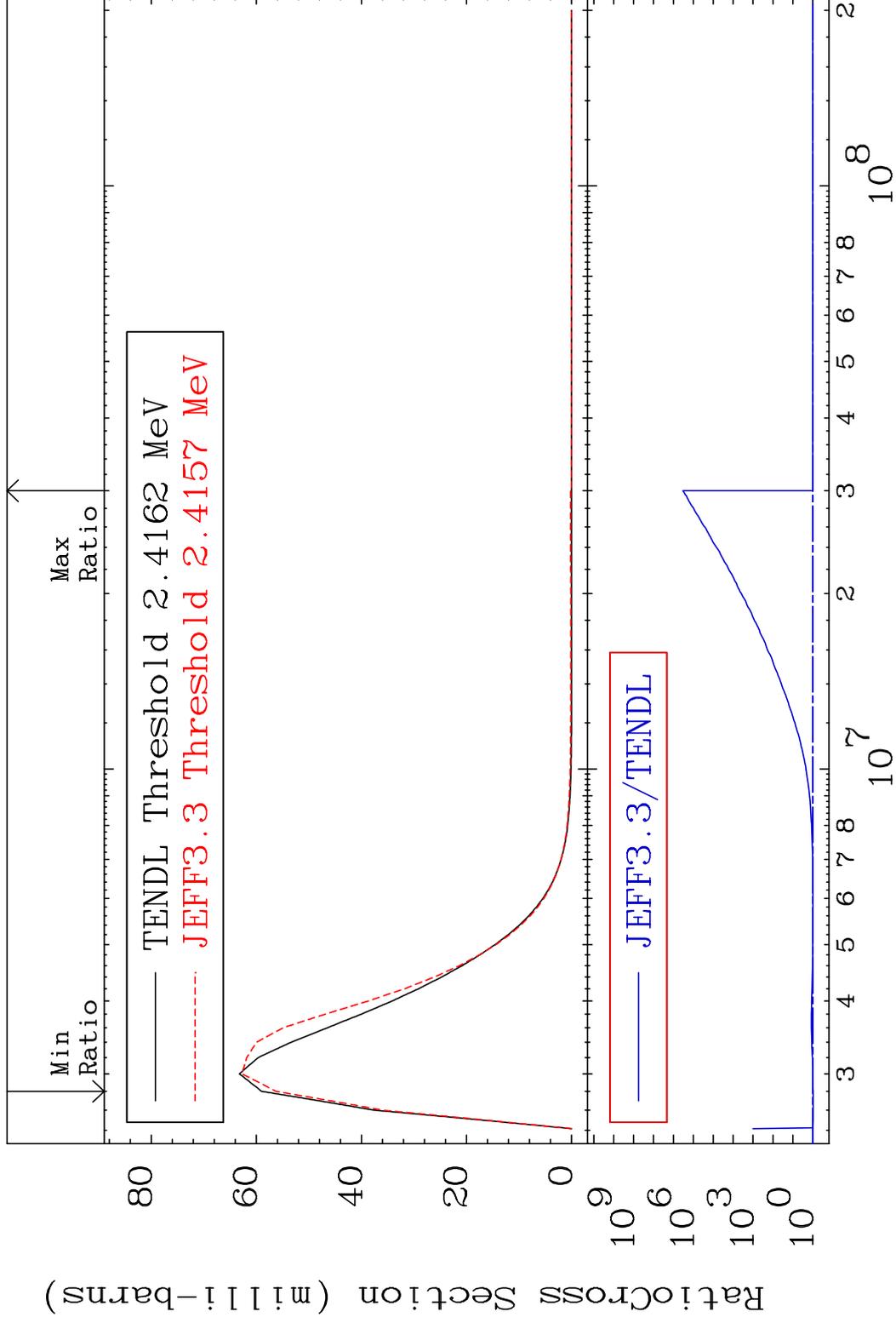


MAT 3731

MT= 64 (n, n') Level

37-Rb-87

Cross Section -4.652 To 9999. %

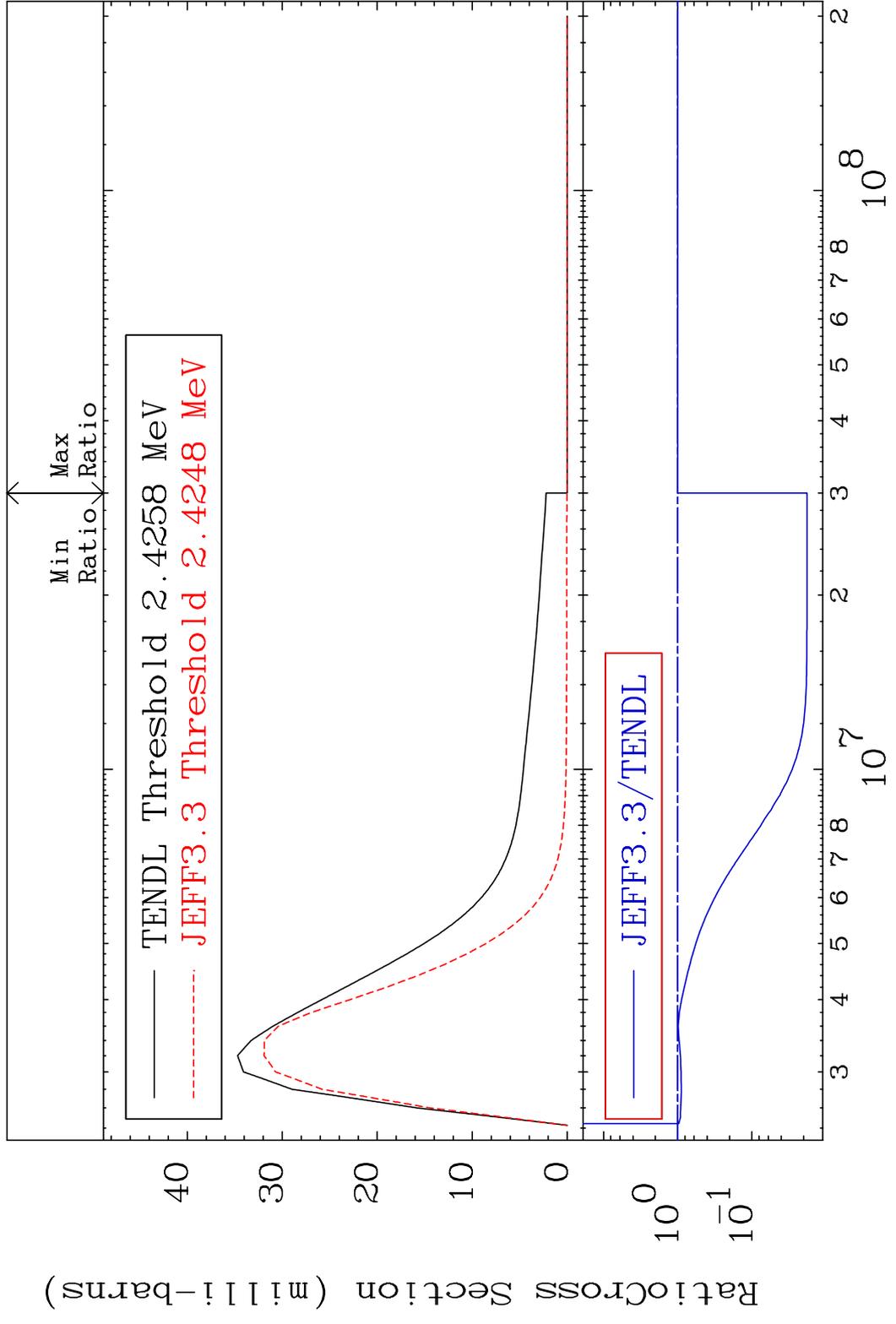


30

Incident Energy (eV)

37-Rb-87

MAT 3731 MT= 65 (n, n') Level 37-Rb-87
 Cross Section -98.20 To 0.000 %

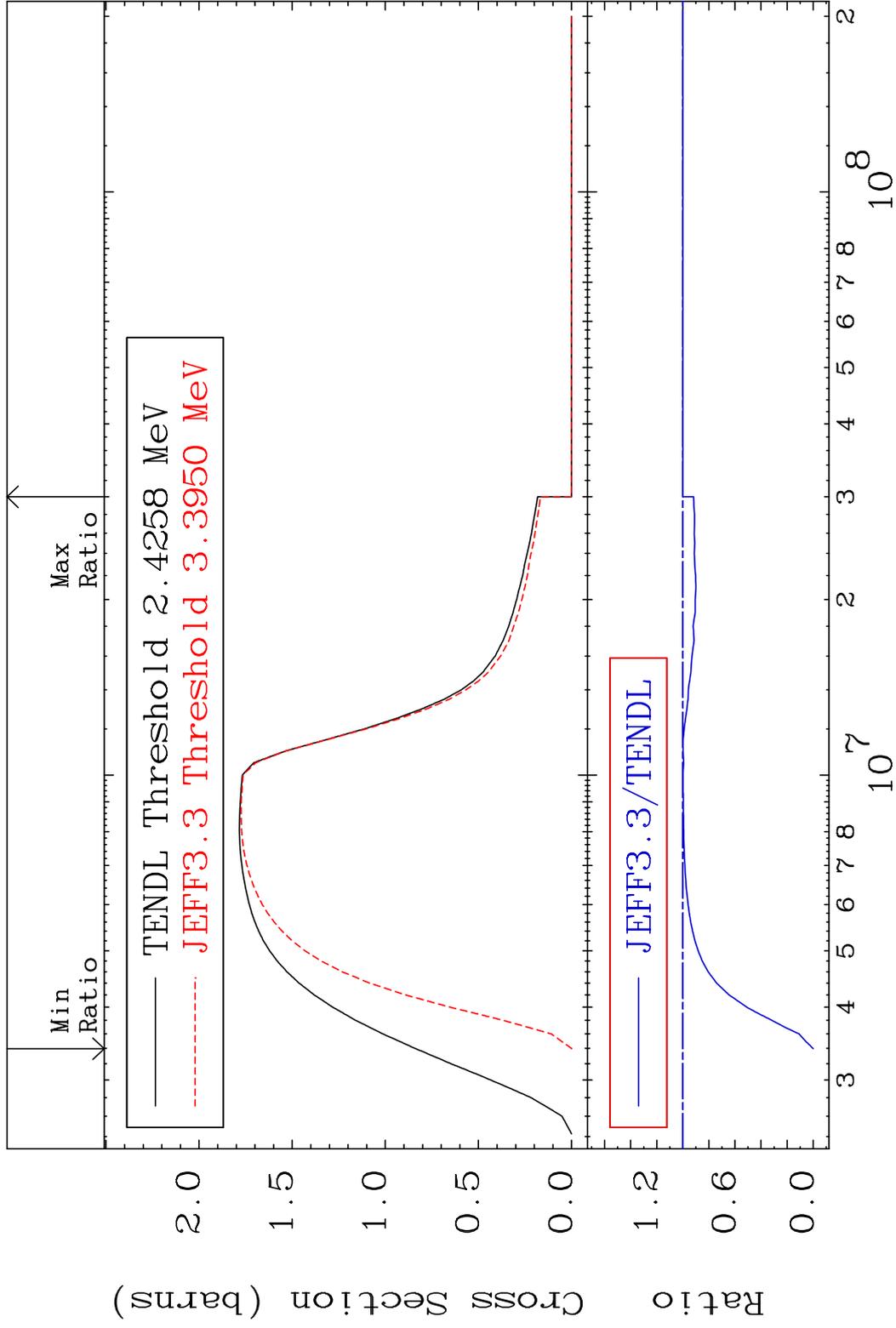


MAT 3731

(n, n') Continuum

37-Rb-87

Cross Section -100.0 To 0.000 %



32

Incident Energy (eV)

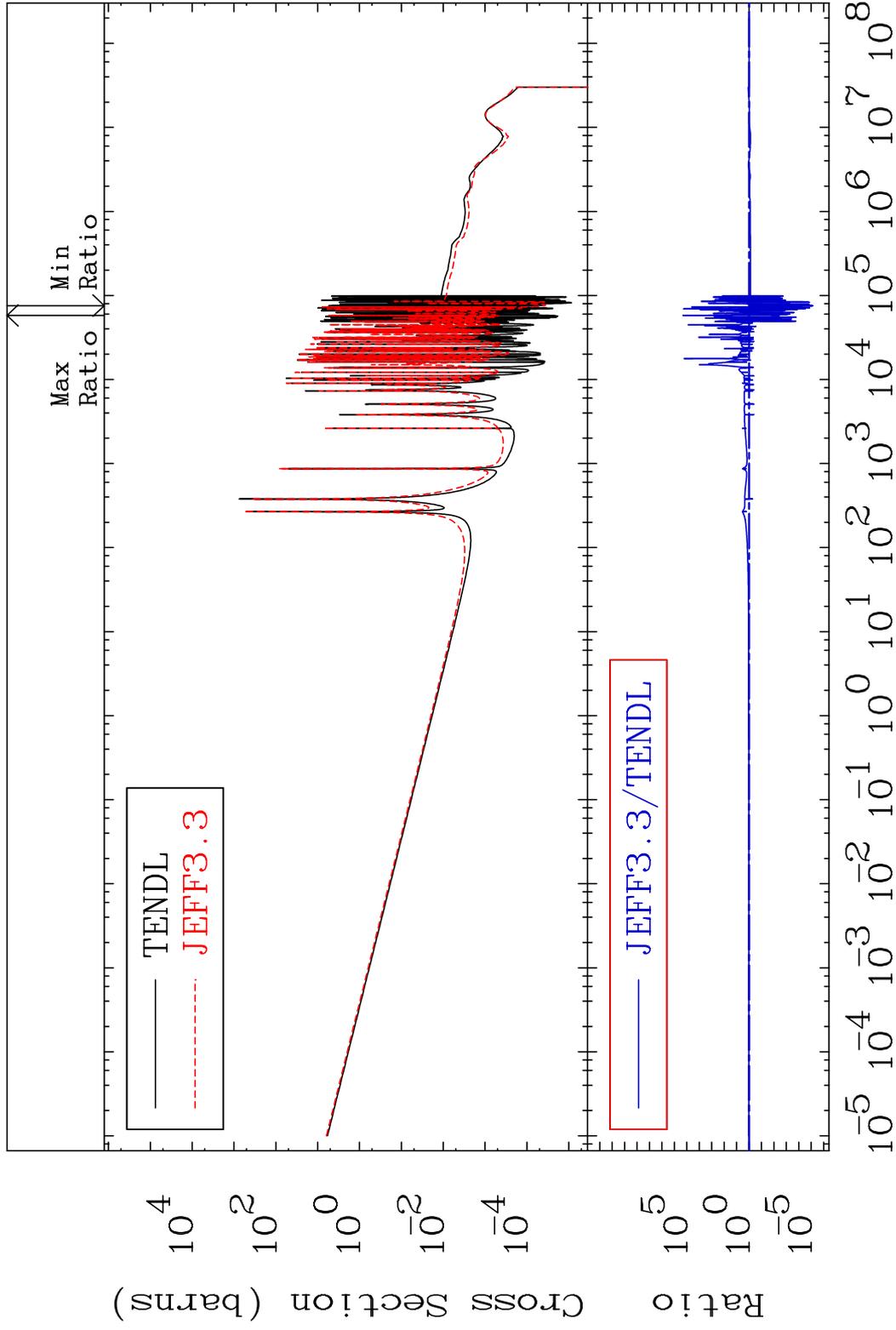
37-Rb-87

MAT 3731

(n, γ)

37-Rb-87

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

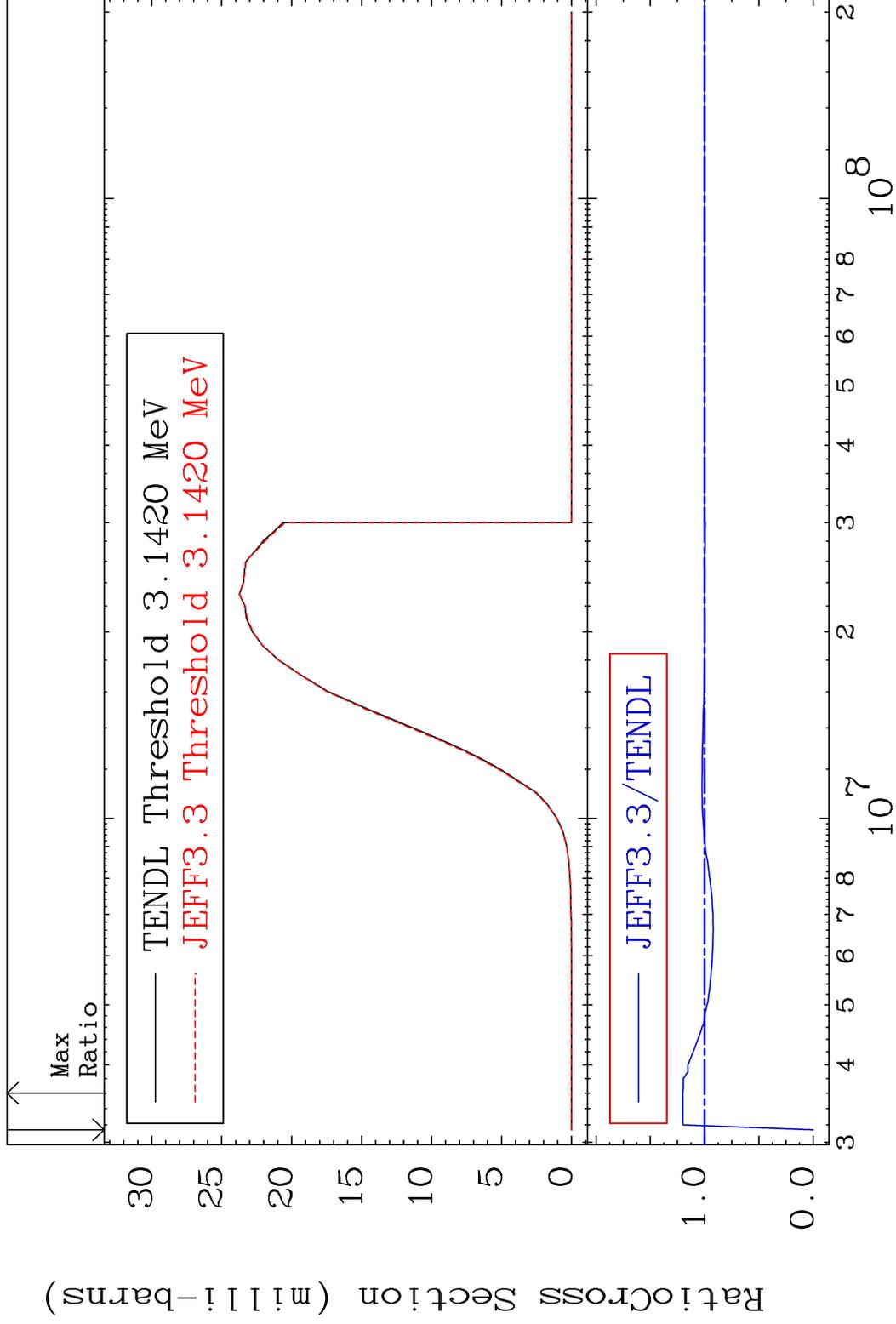
37-Rb-87

MAT 3731

(n,p)

37-Rb-87

Cross Section -100.0 To 20.06 %



34

Incident Energy (eV)

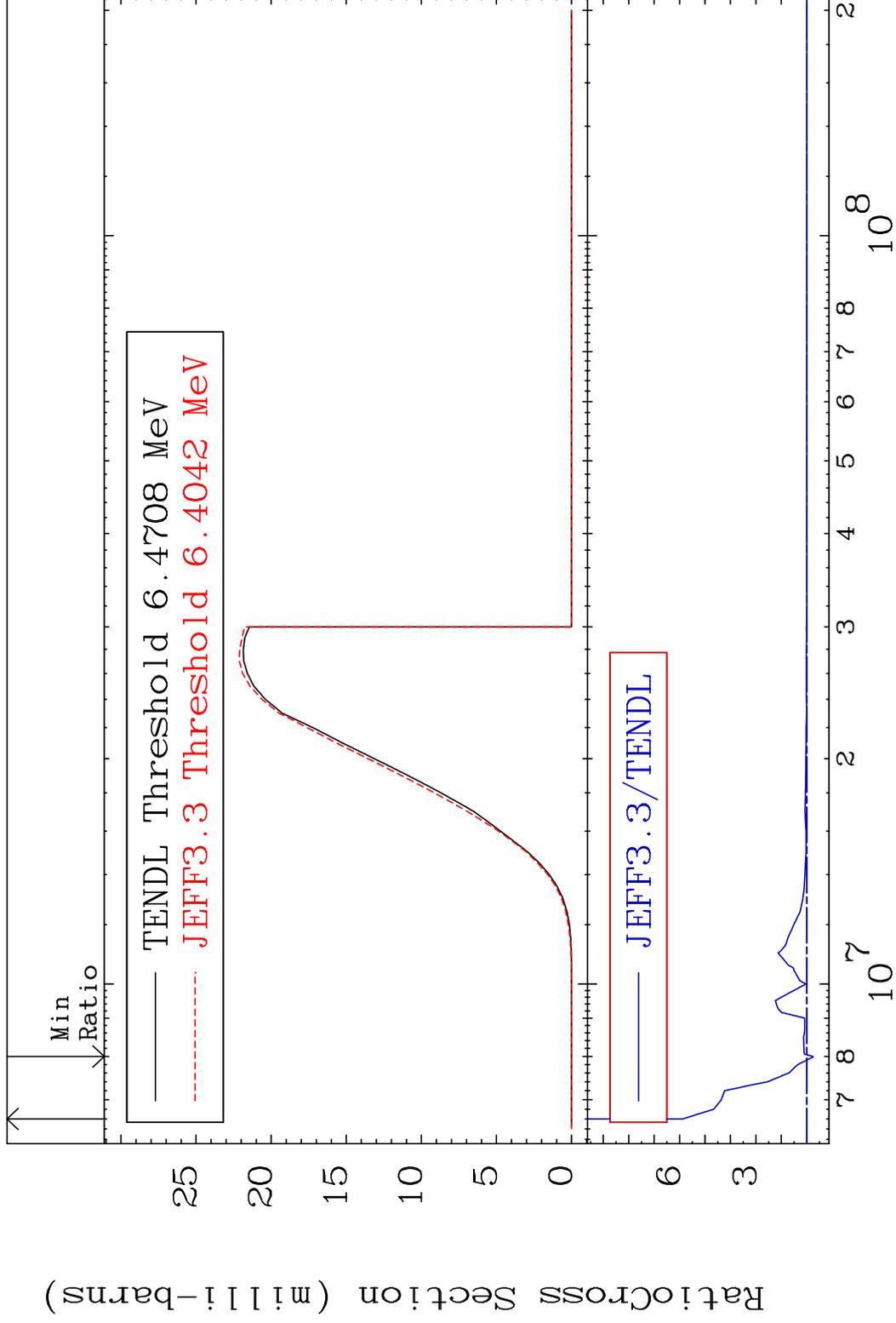
37-Rb-87

MAT 3731

(n, d)

37-Rb-87

Cross Section -25.19 To 487.3 %



35

Incident Energy (eV)

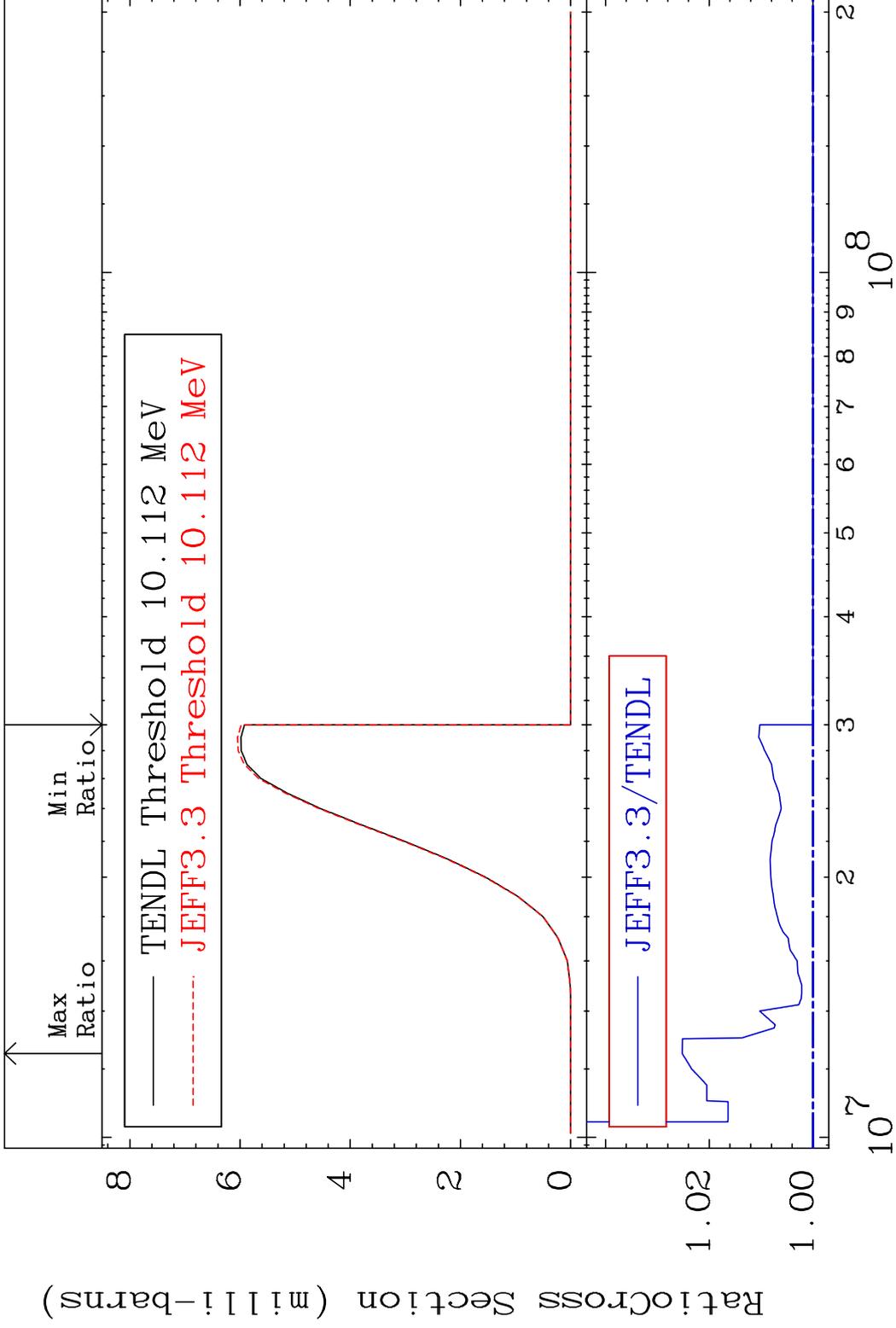
37-Rb-87

MAT 3731

(n, t)

37-Rb-87

Cross Section 0.000 To 2.521 %



36

Incident Energy (eV)

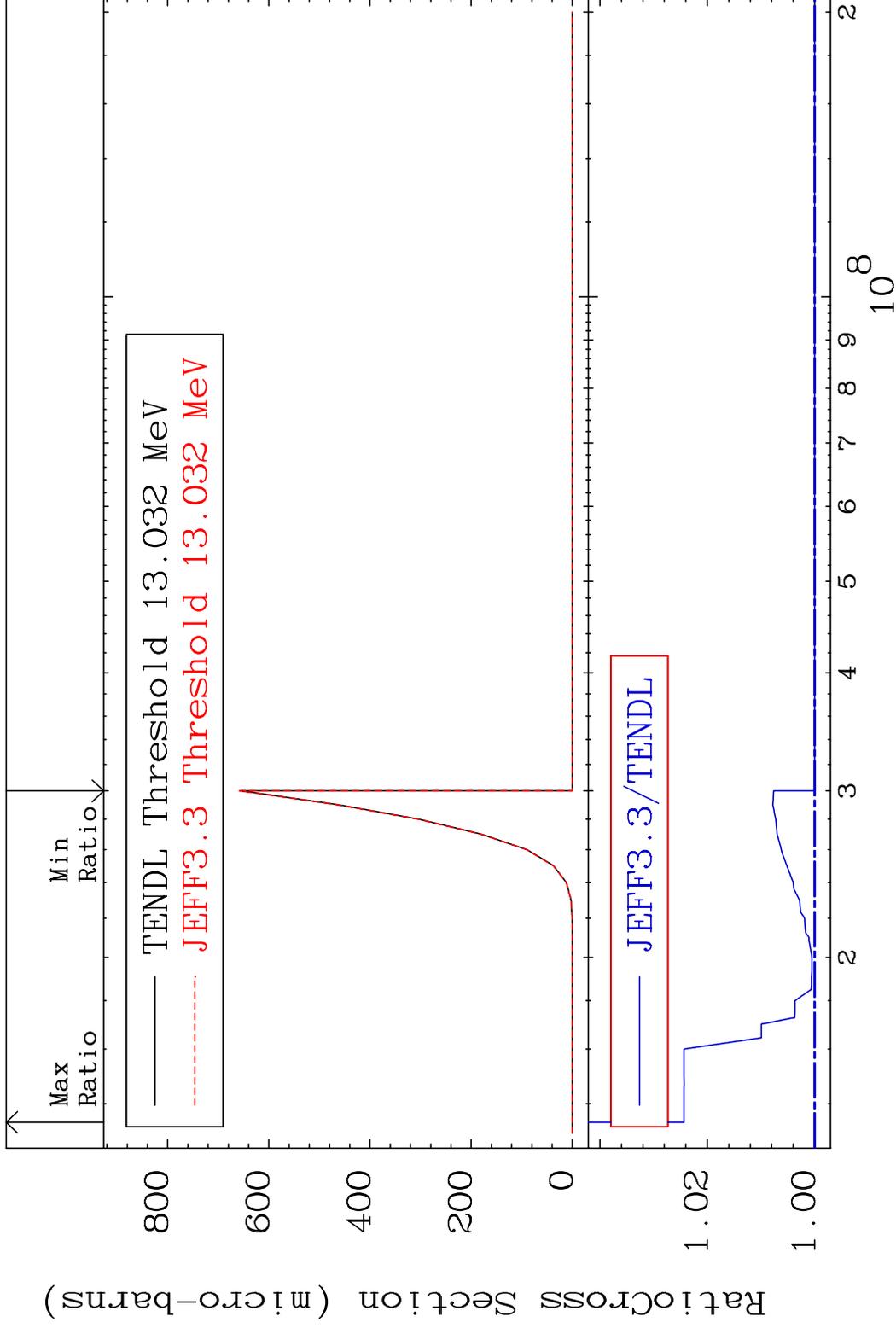
37-Rb-87

MAT 3731

(n, He-3)

37-Rb-87

Cross Section 0.000 To 2.436 %



37

Incident Energy (eV)

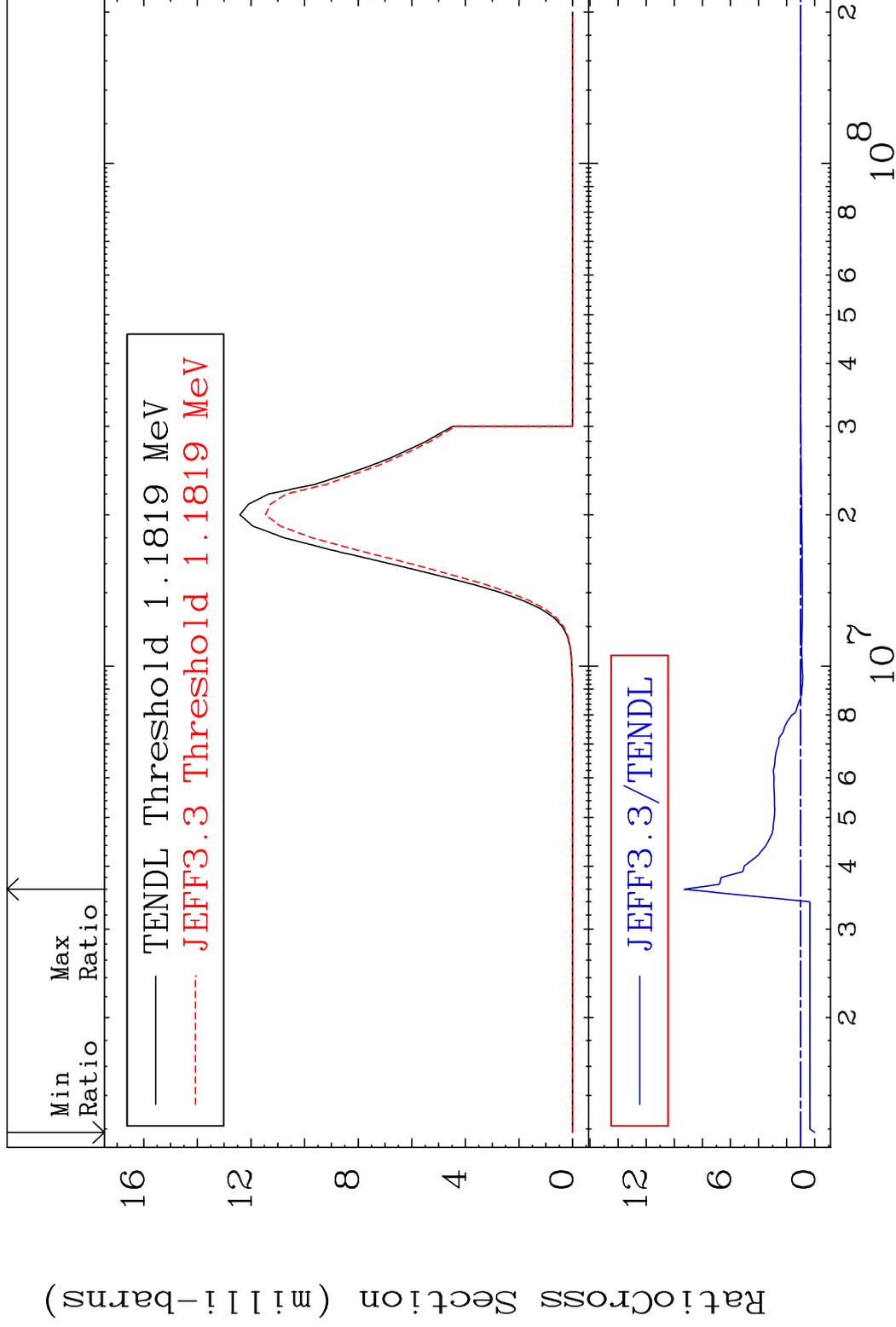
37-Rb-87

MAT 3731

(n, α)

37-Rb-87

Cross Section -100.0 To 829.7 %



38

Incident Energy (eV)

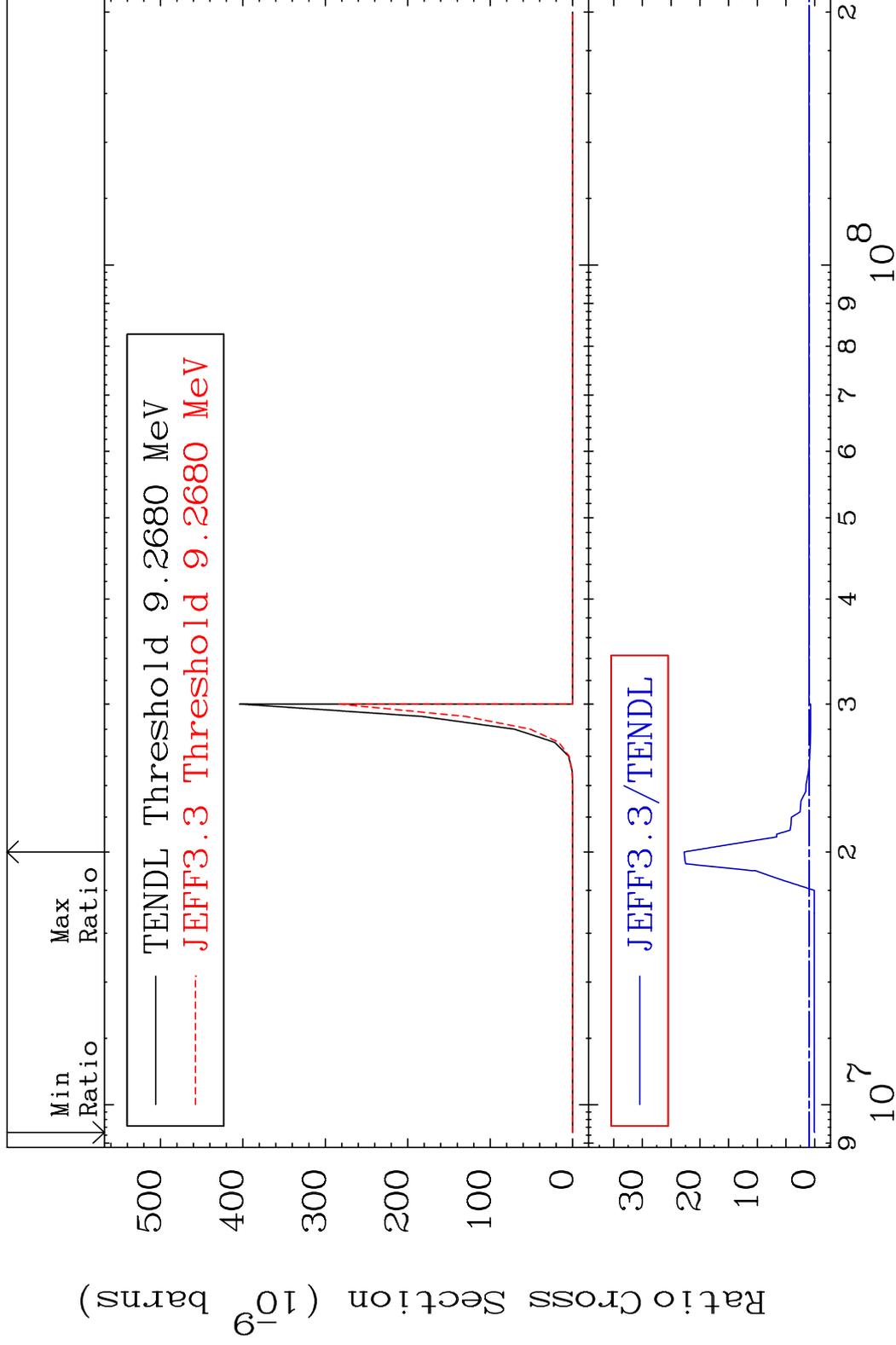
37-Rb-87

MAT 3731

(n,2α)

37-Rb-87

Cross Section -100.0 To 2173. %



39

Incident Energy (eV)

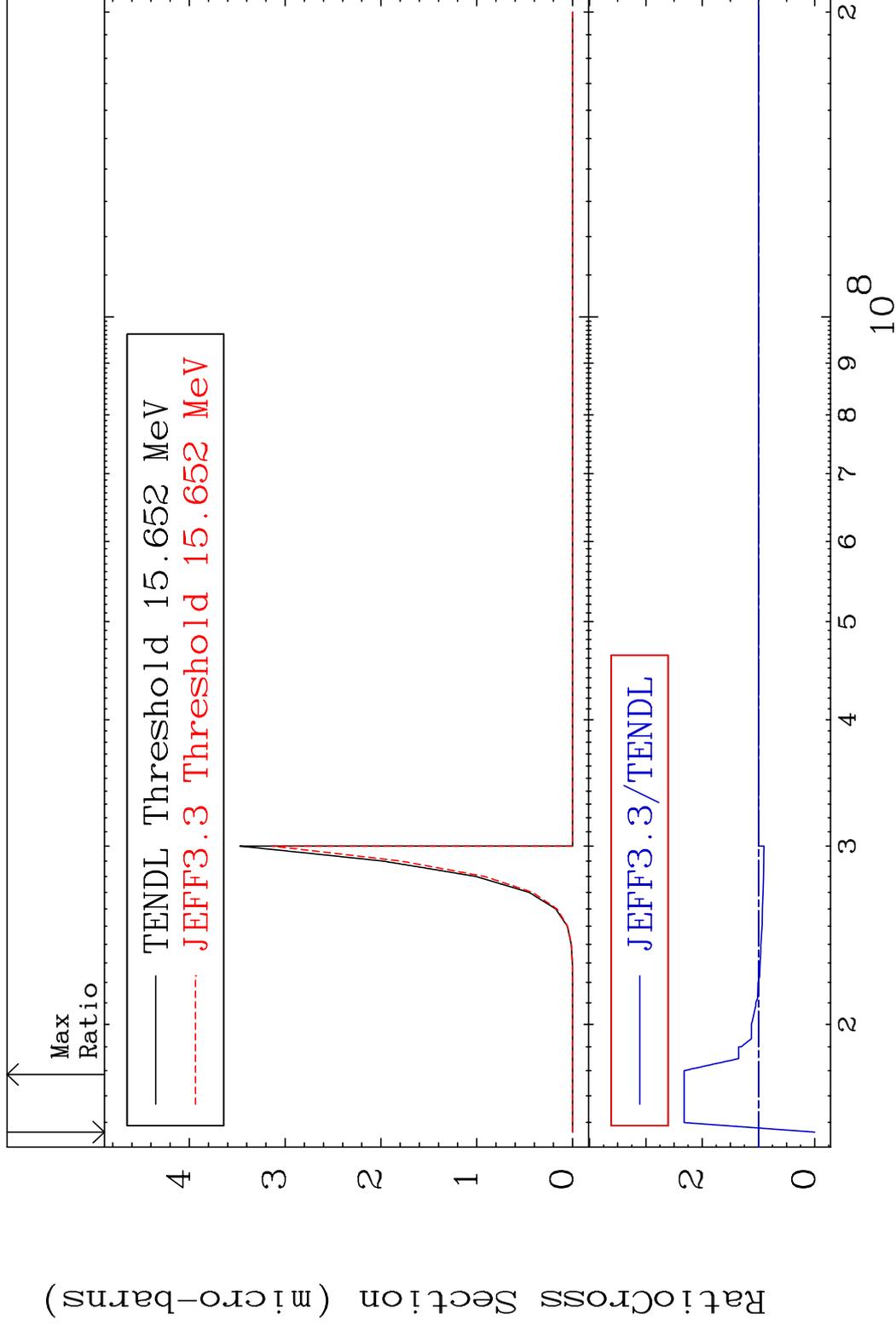
37-Rb-87

MAT 3731

(n,2p)

37-Rb-87

Cross Section -100.0 To 132.0 %



40

Incident Energy (eV)

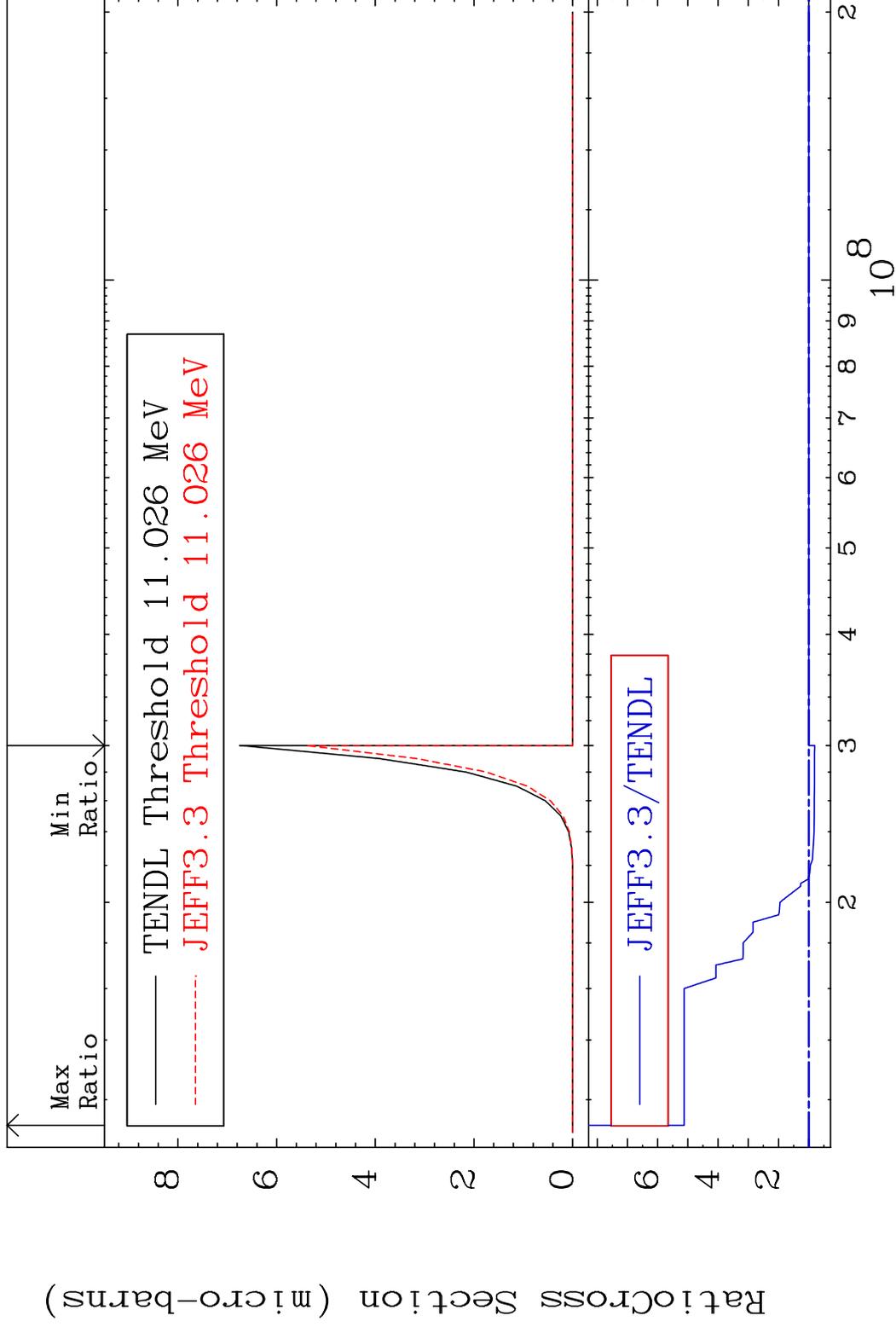
37-Rb-87

MAT 3731

(n,p) α

37-Rb-87

Cross Section -19.85 To 412.5 %



41

Incident Energy (eV)

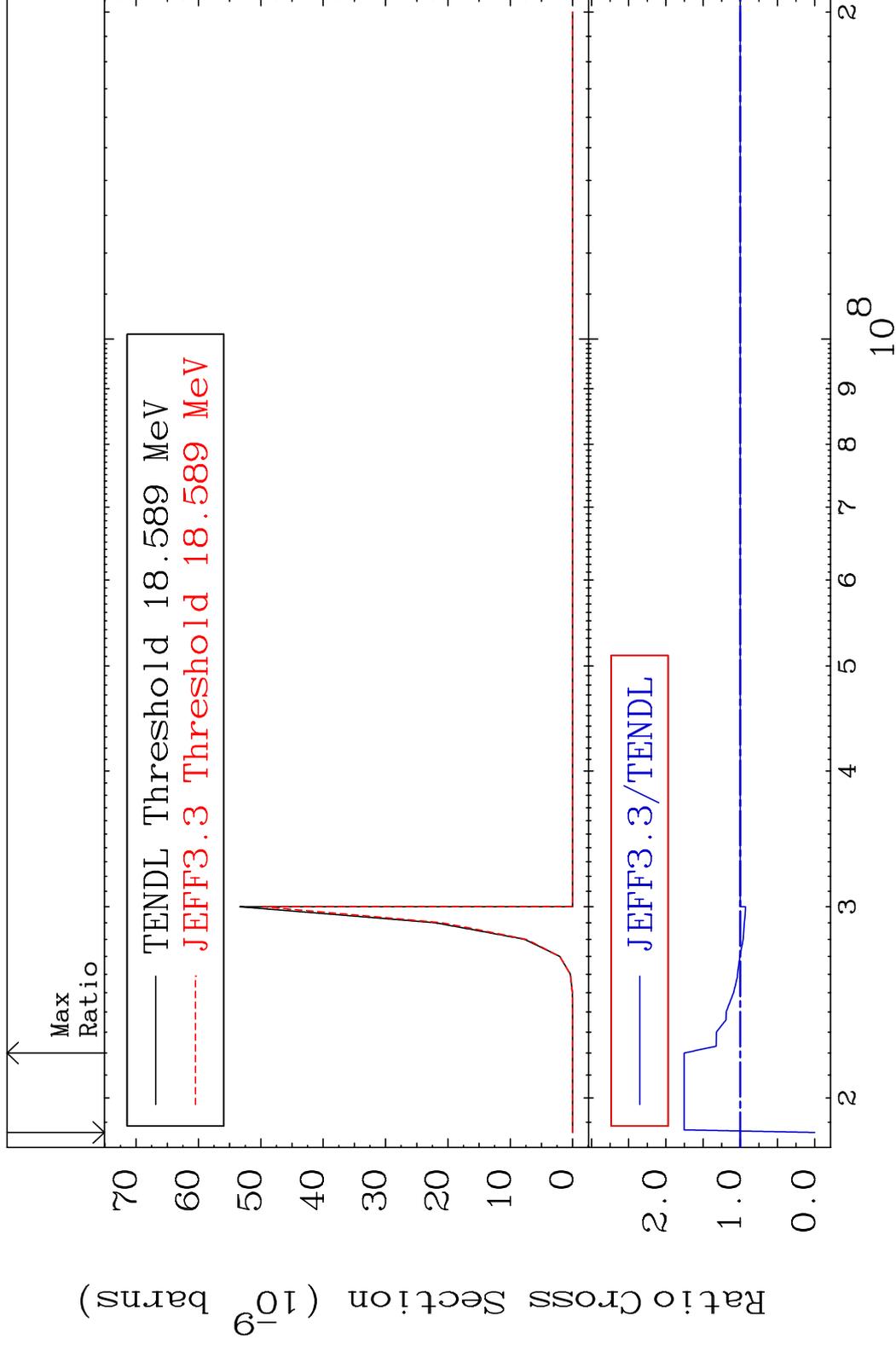
37-Rb-87

MAT 3731

(n,p) d

37-Rb-87

Cross Section -100.0 To 75.45 %



42

Incident Energy (eV)

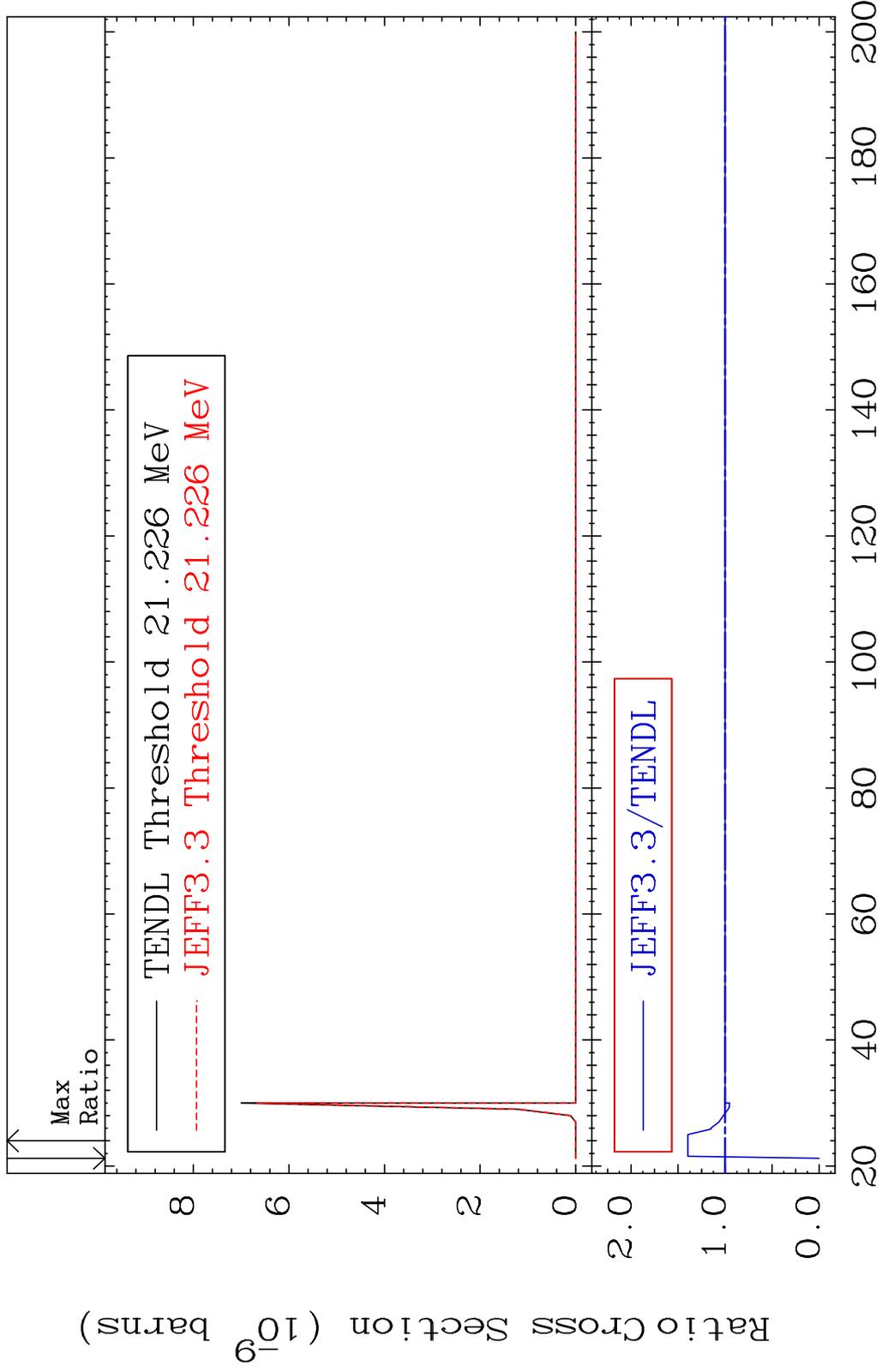
37-Rb-87

MAT 3731

(n,p) t

37-Rb-87

Cross Section -100.0 To 39.64 %



43

Incident Energy (MeV)

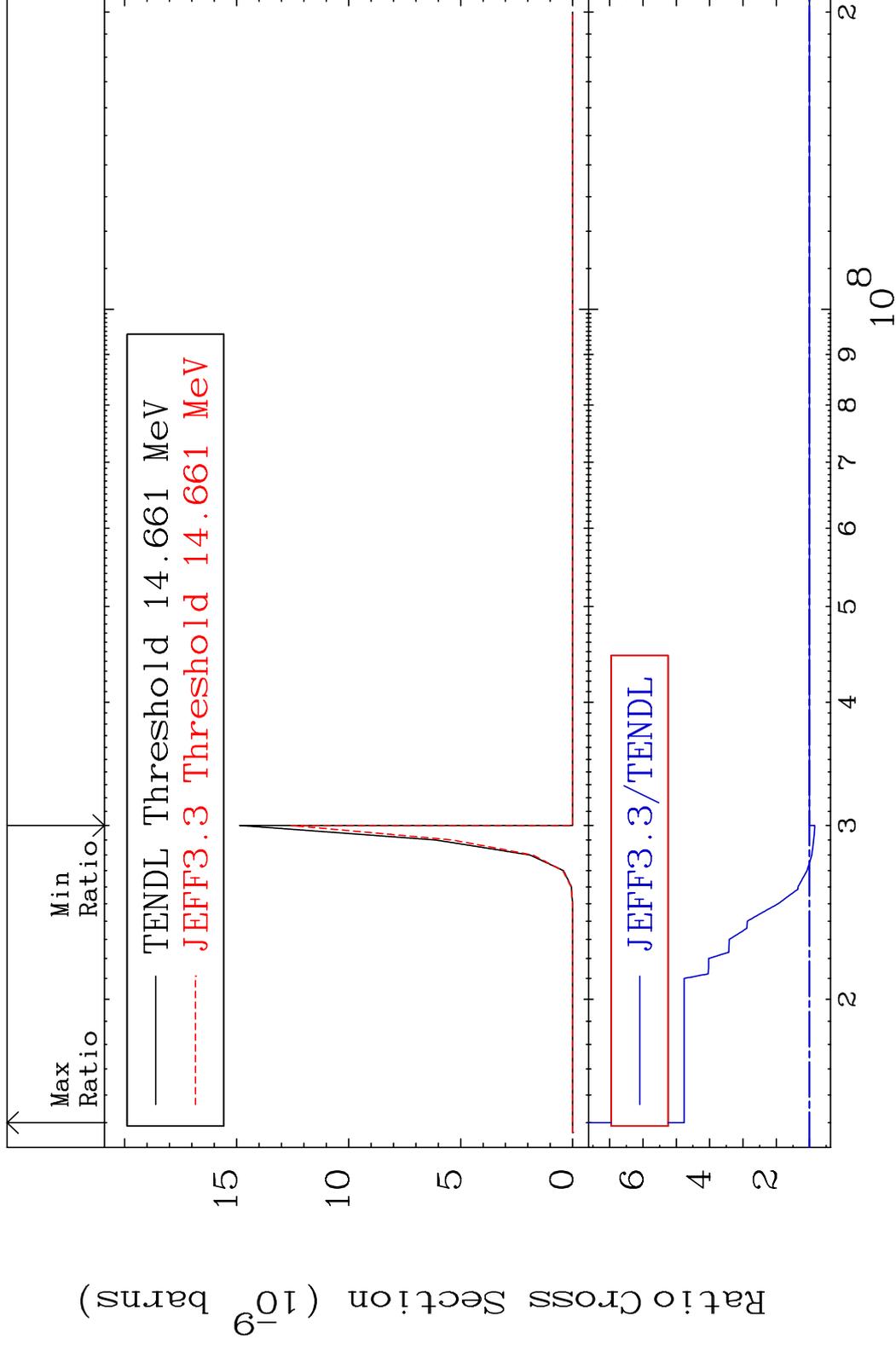
37-Rb-87

MAT 3731

(n,d) α

37-Rb-87

Cross Section -15.36 To 376.5 %



44

Incident Energy (eV)

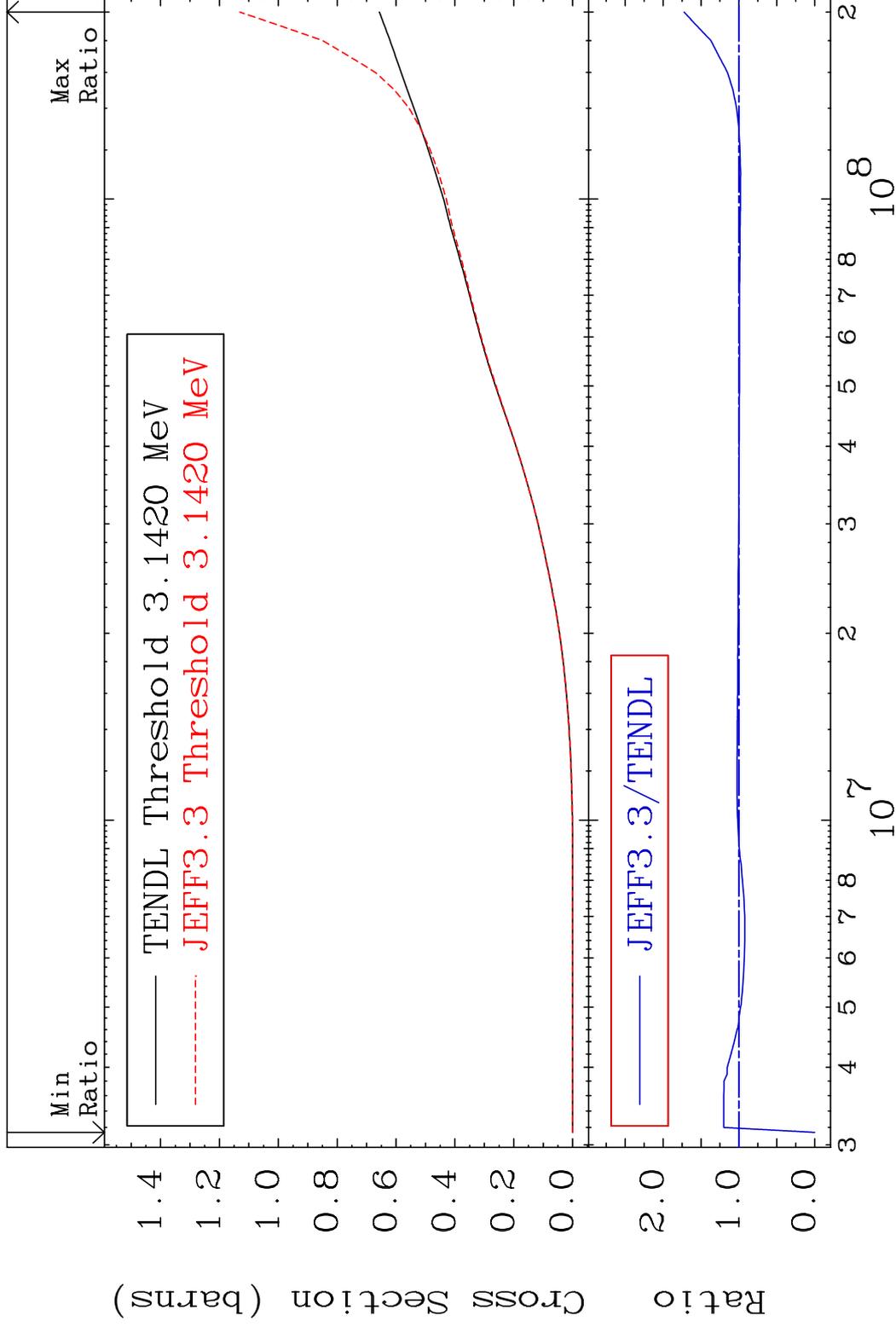
37-Rb-87

MAT 3731

Hydrogen Production

37-Rb-87

Cross Section -100.0 To 72.22 %



45

Incident Energy (eV)

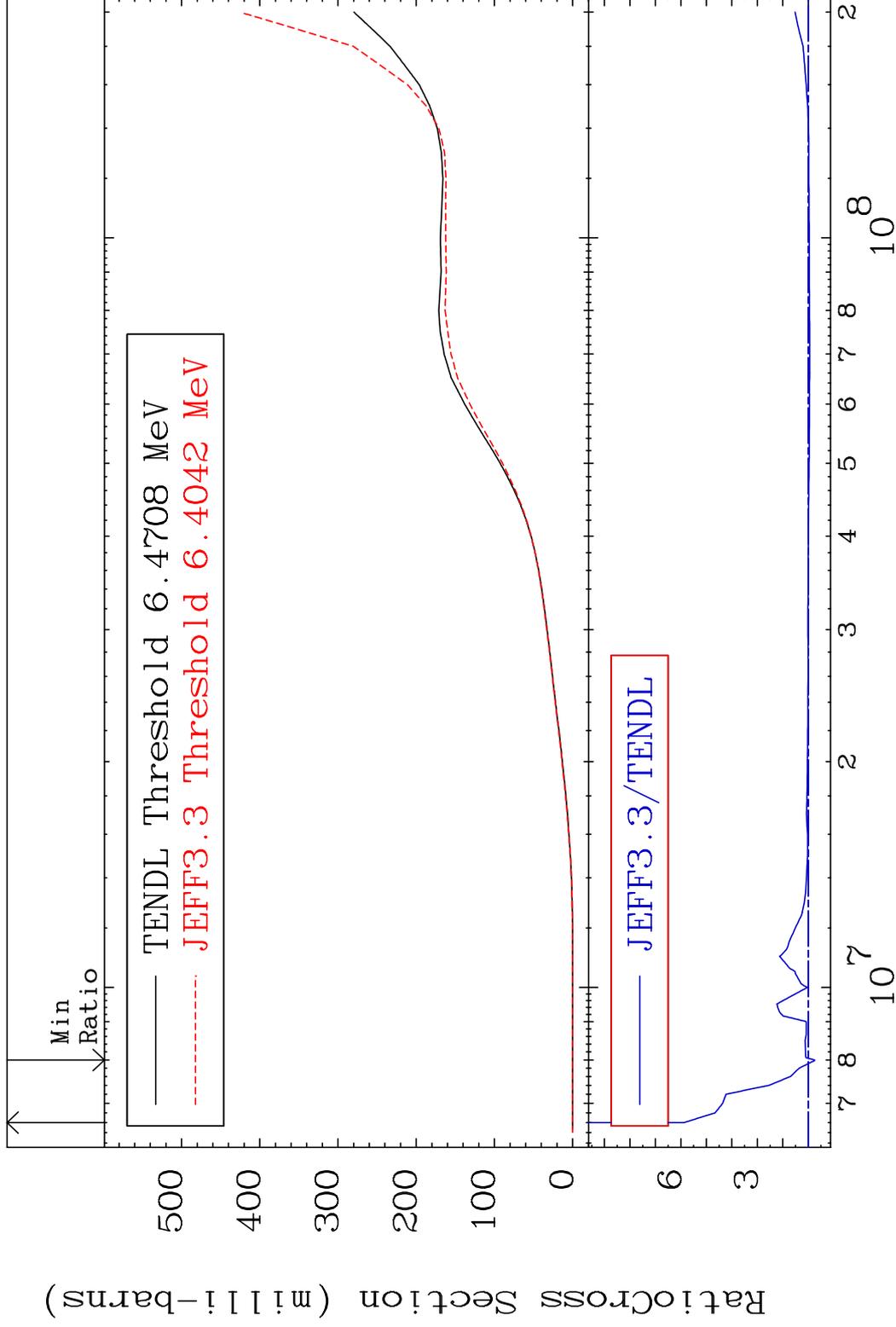
37-Rb-87

MAT 3731

Deuterium Production

37-Rb-87

Cross Section -25.19 To 487.3 %



46

Incident Energy (eV)

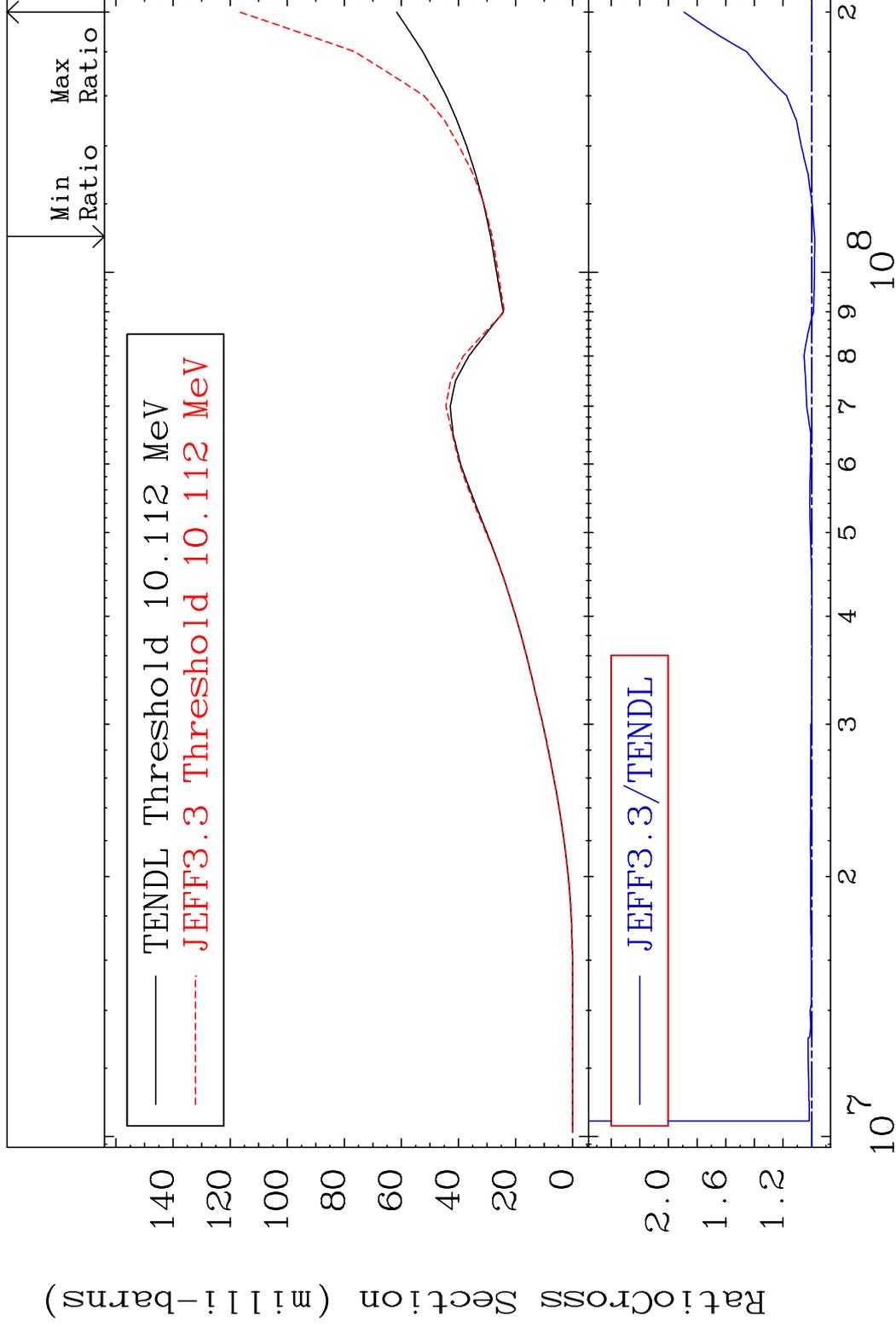
37-Rb-87

MAT 3731

Tritium Production

37-Rb-87

Cross Section -2.083 To 89.07 %

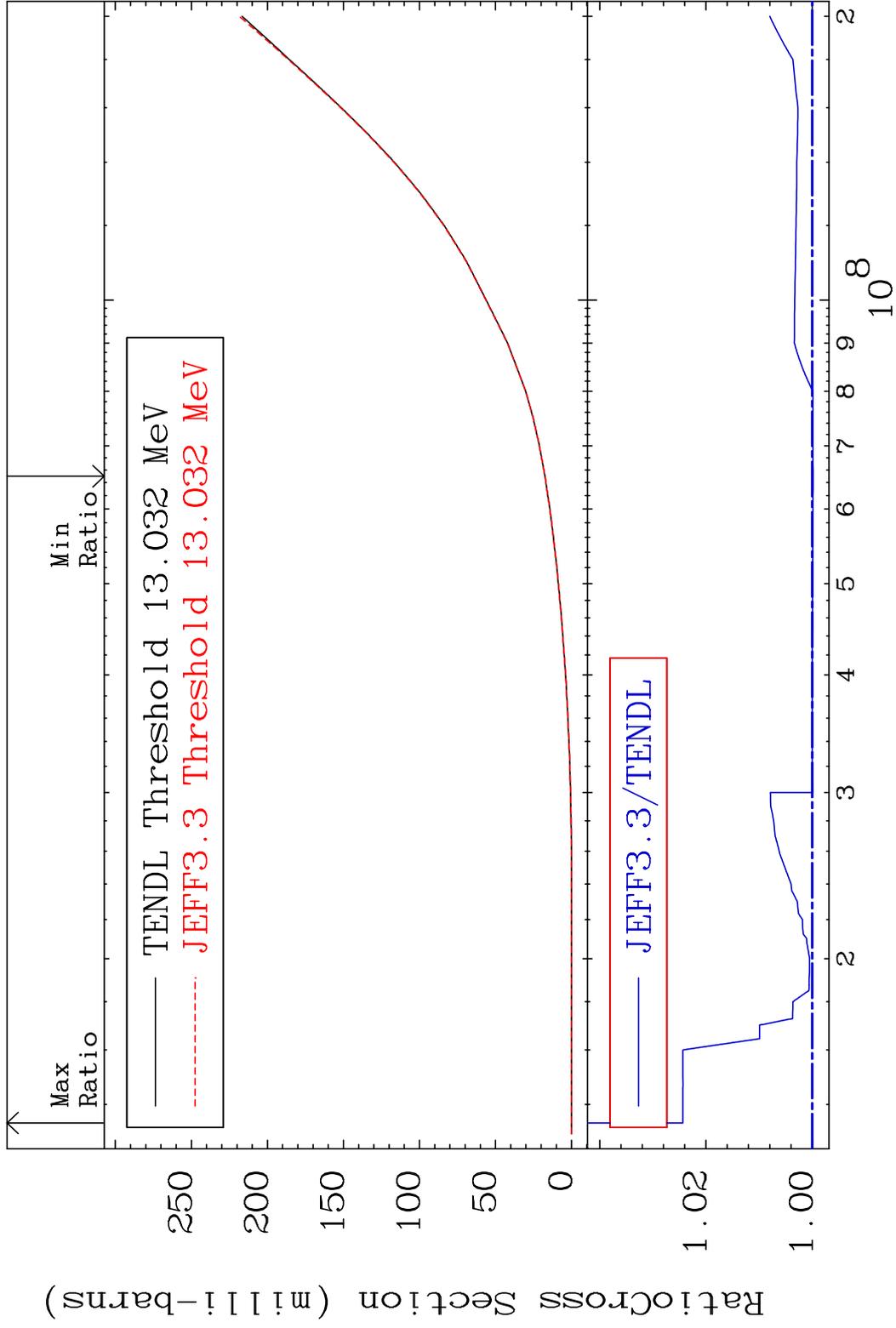


MAT 3731

He-3 Production

37-Rb-87

Cross Section -0.017 To 2.436 %



48

Incident Energy (eV)

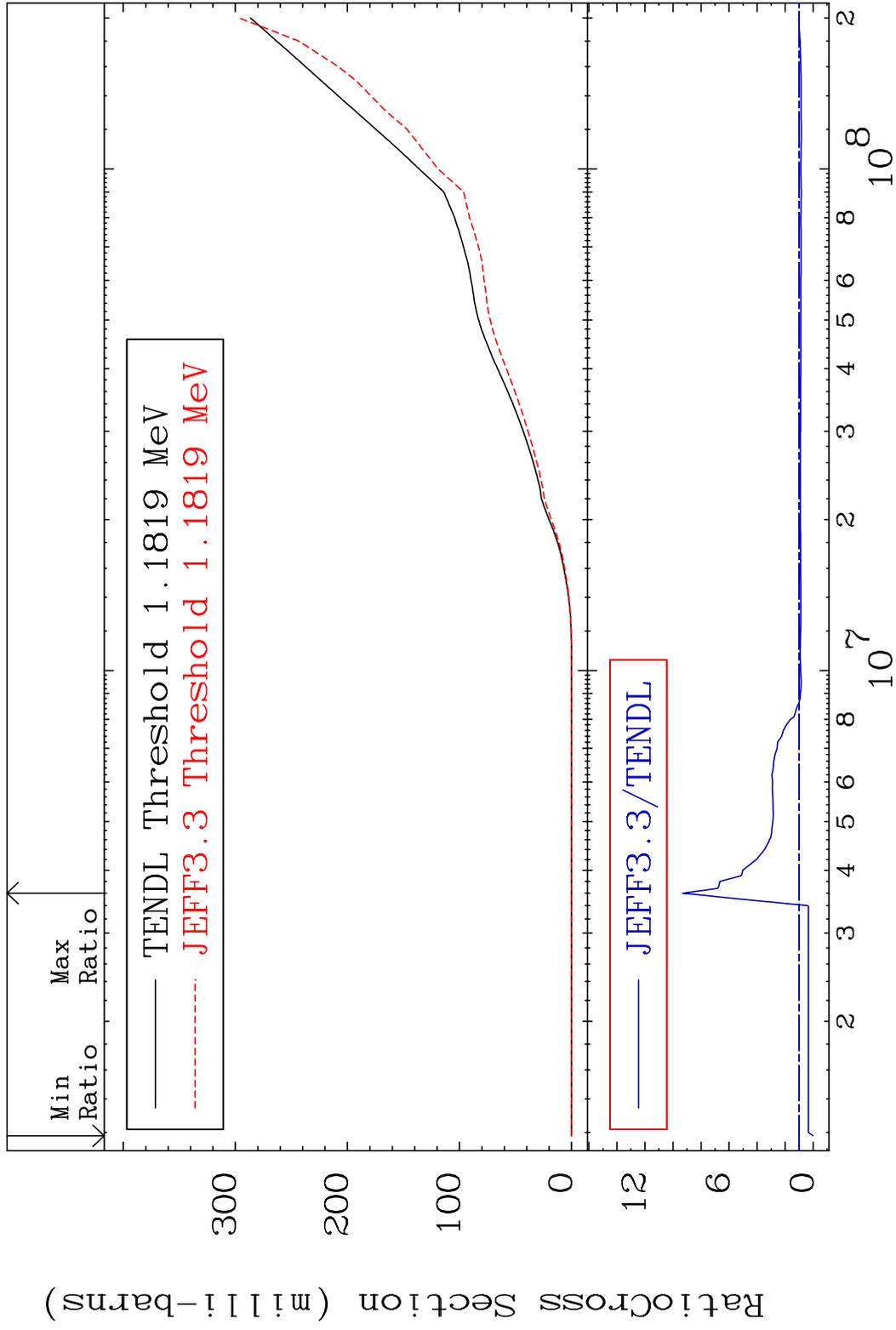
37-Rb-87

MAT 3731

He-4 Production

37-Rb-87

Cross Section -100.0 To 829.7 %



49

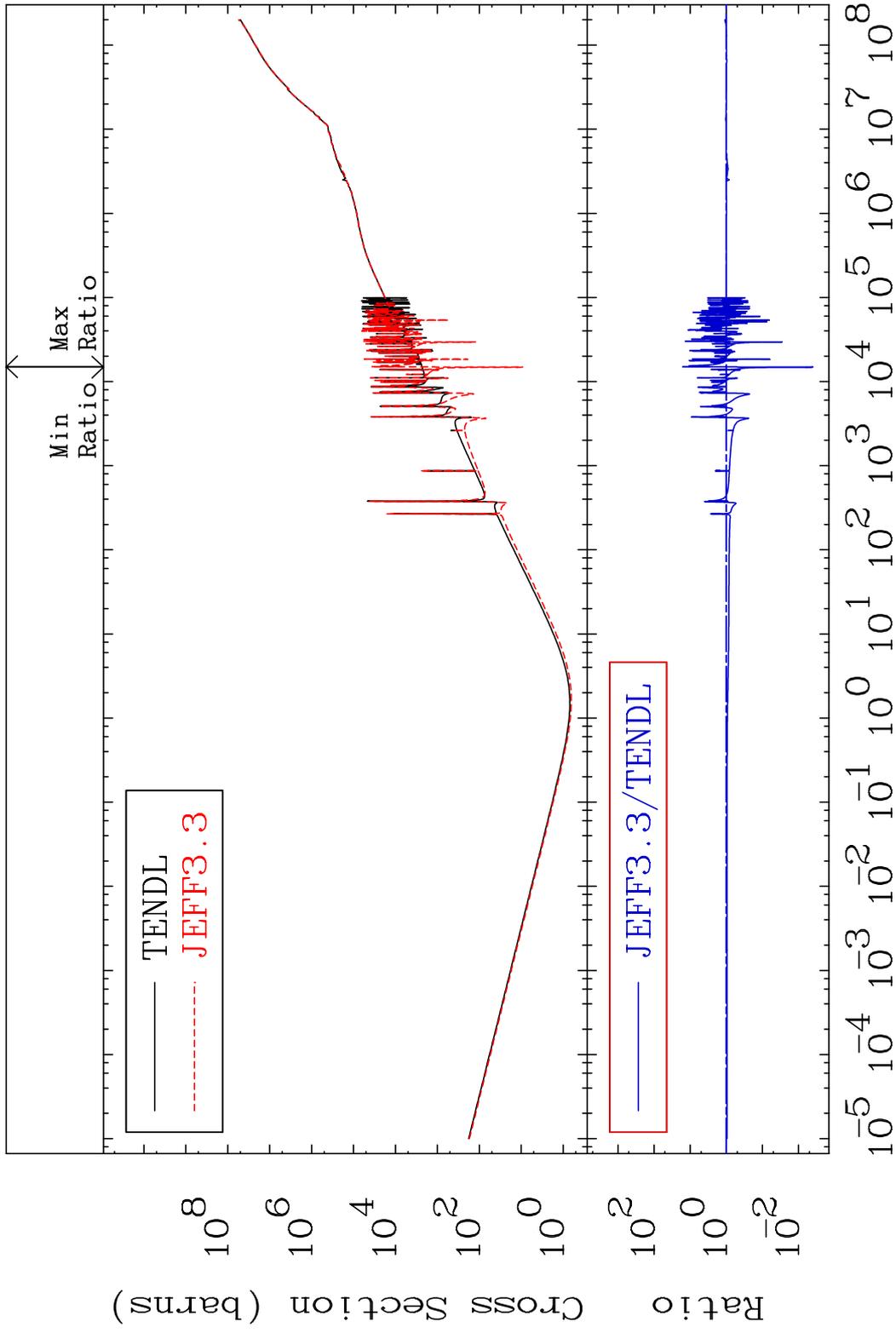
Incident Energy (eV)

37-Rb-87

MAT 3731

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

Cross Section -99.60 To 1520. %



50

Incident Energy (eV)

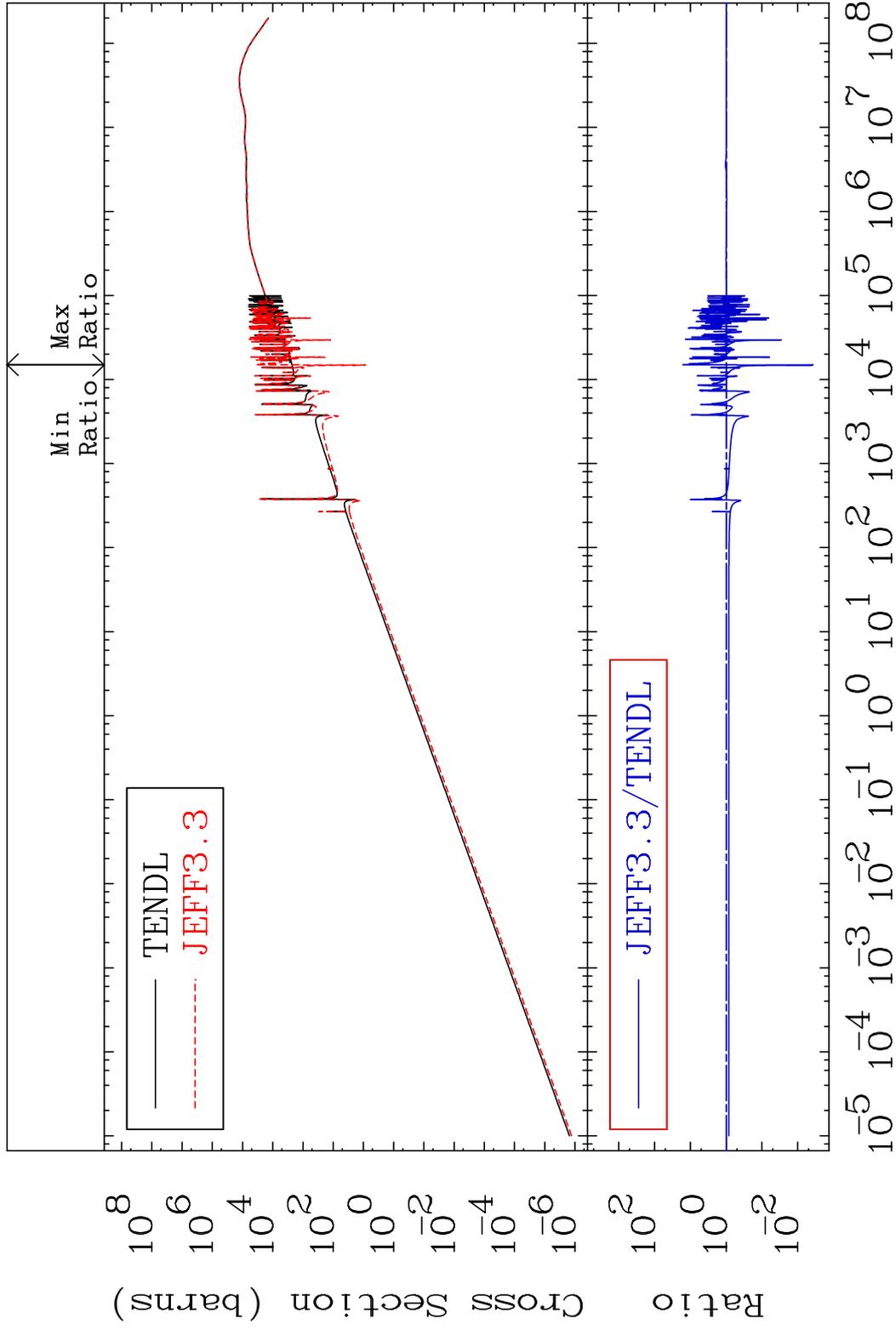
37-Rb-87

MAT 3731

Kerma elastic

37-Rb-87

Cross Section -99.63 To 1519. %

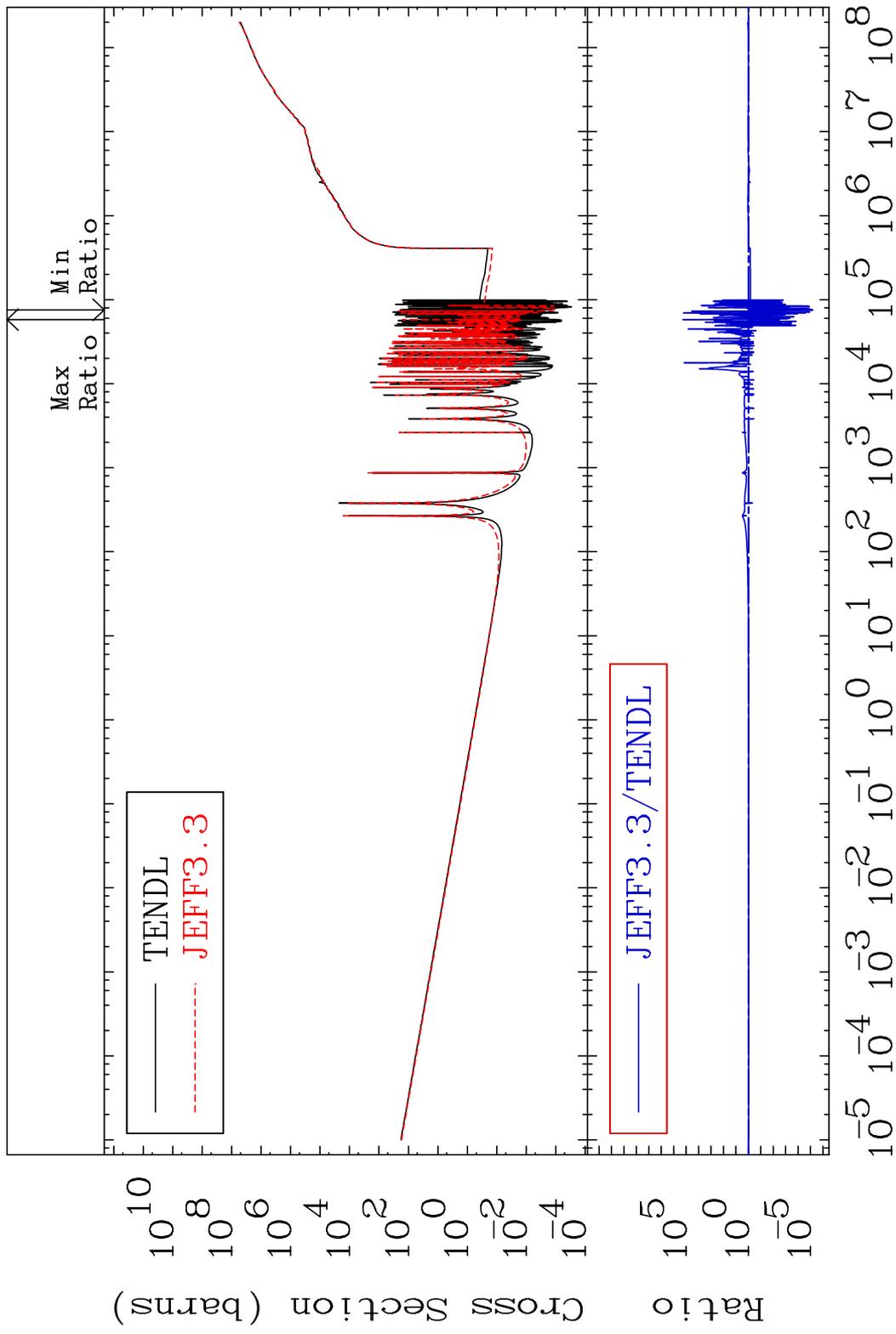


51

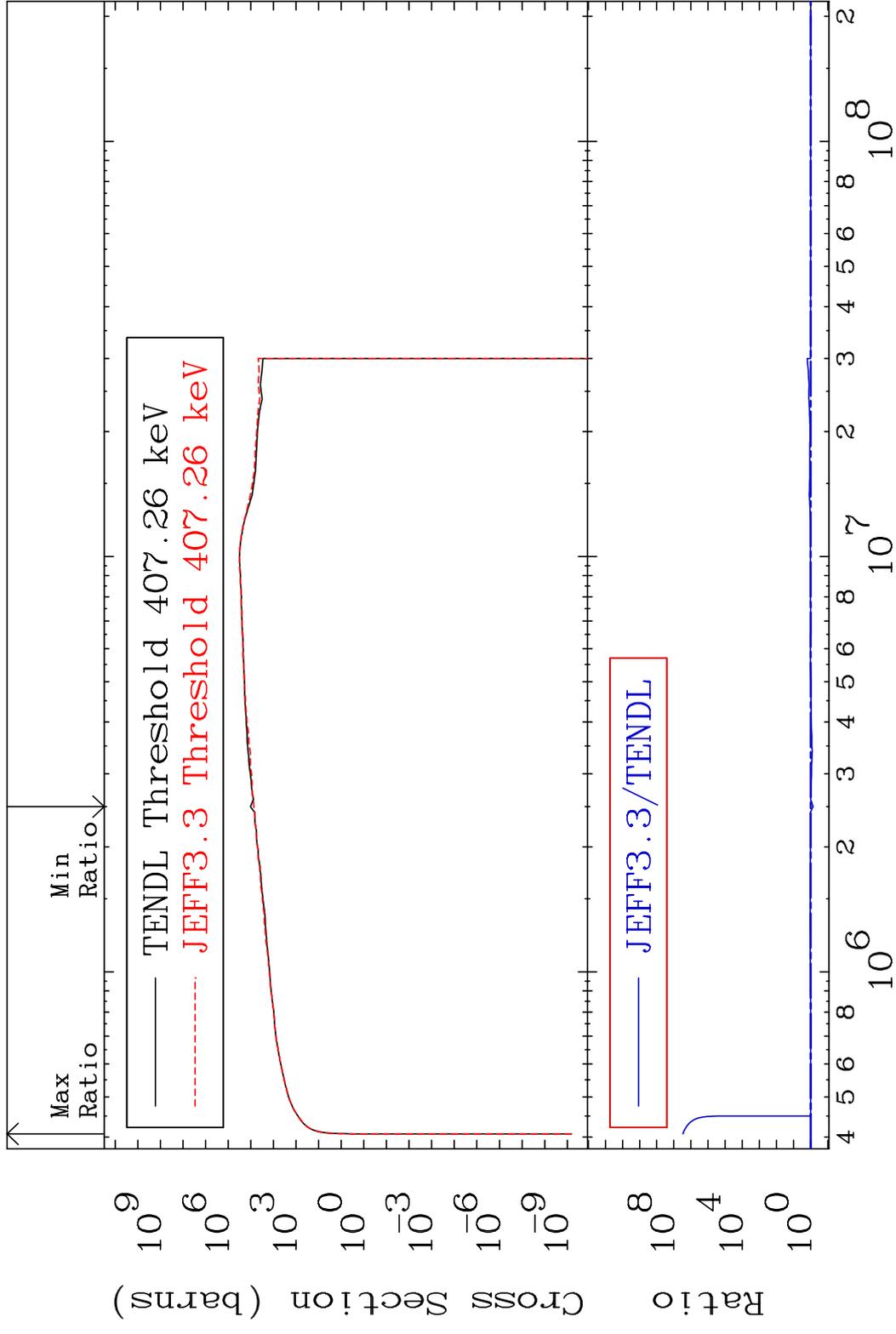
Incident Energy (eV)

37-Rb-87

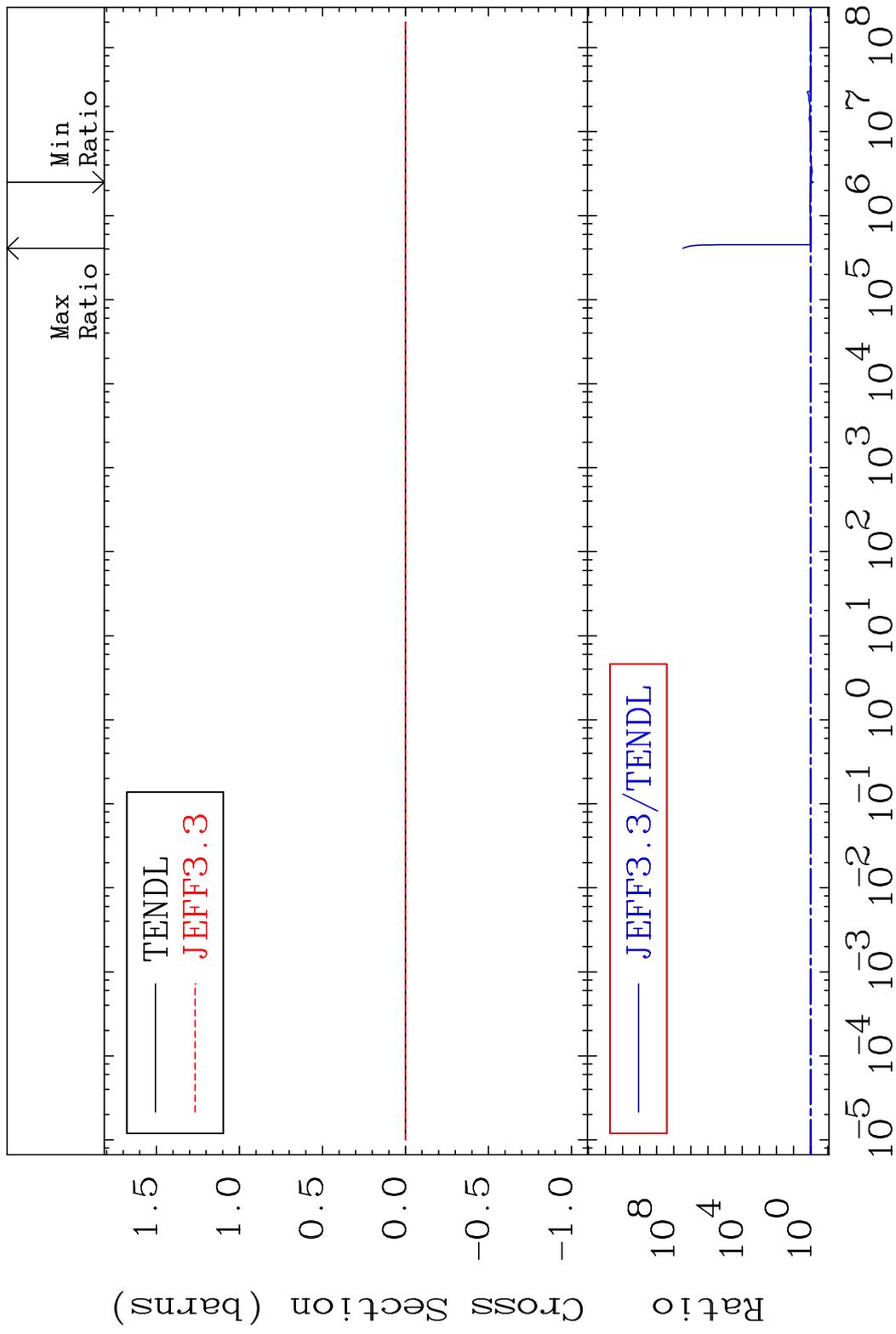
MAT 3731 Kerma non-elastic (all but mt2) 37-Rb-87
 Cross Section -100.0 To 9999. %



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



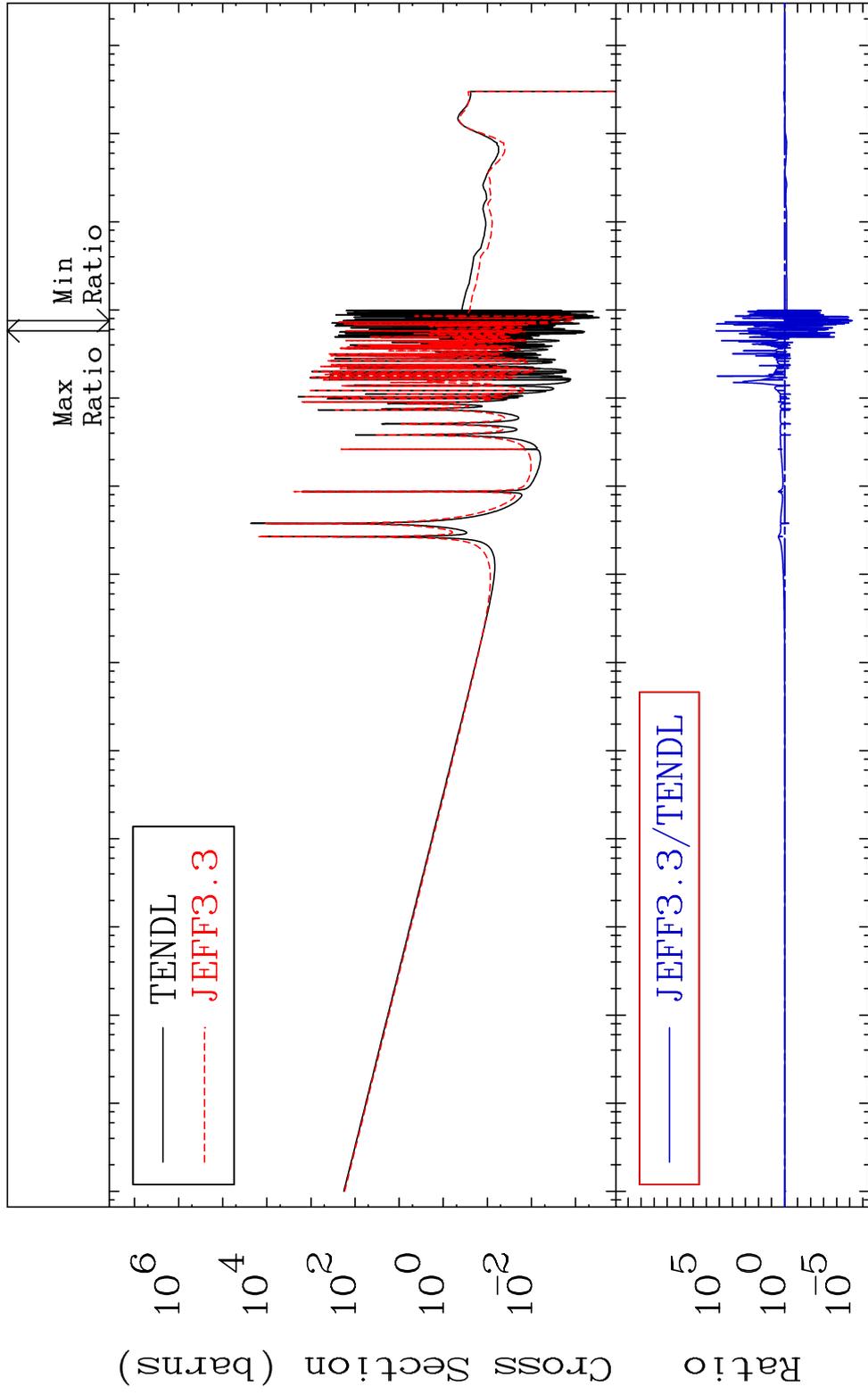
MAT 3731 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-87
 Cross Section -28.47 To 9999. %



MAT 3731

Kerma capture (mt102) 37-Rb-87

Cross Section -100.0 To 9999. %

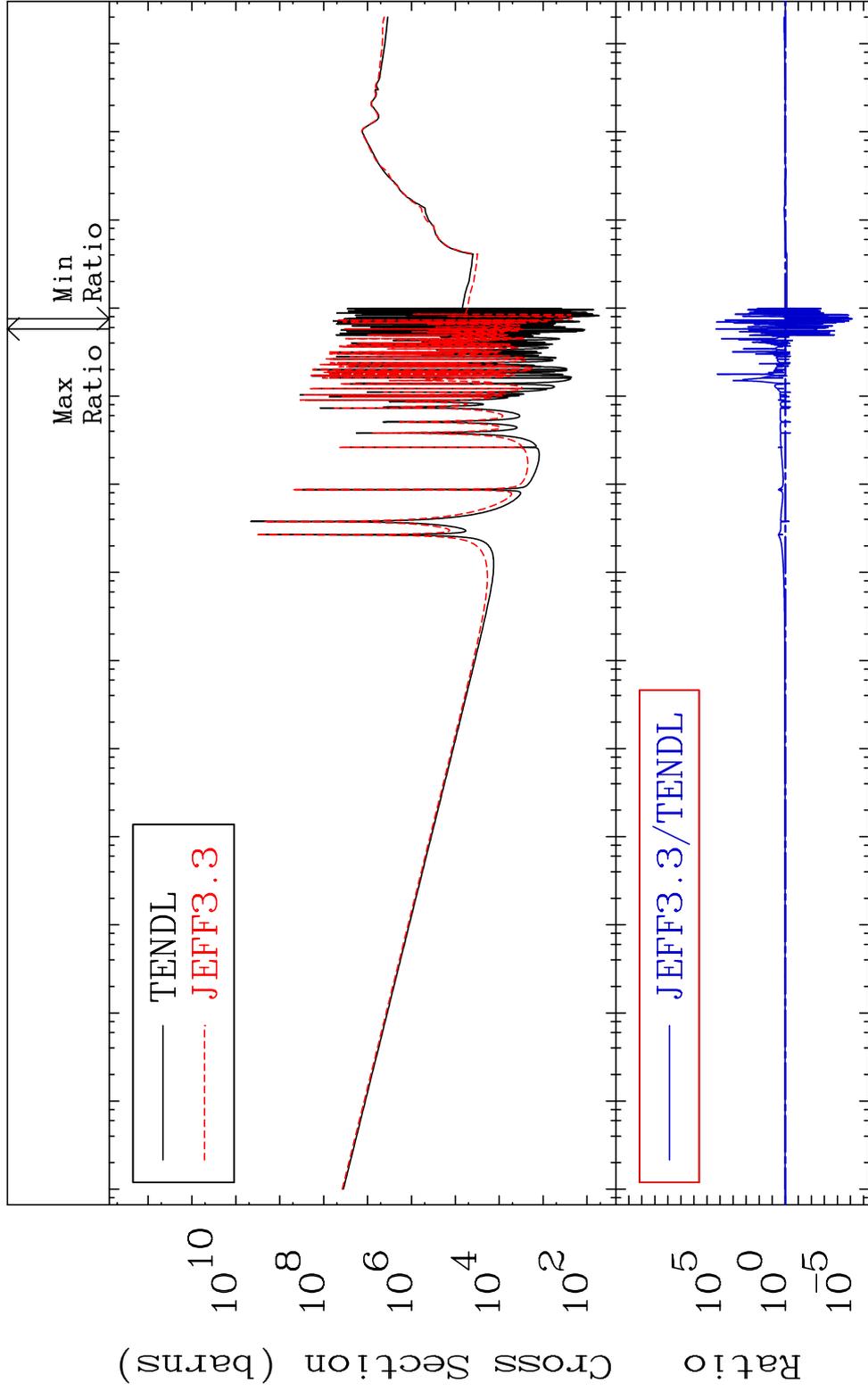


55

Incident Energy (eV)

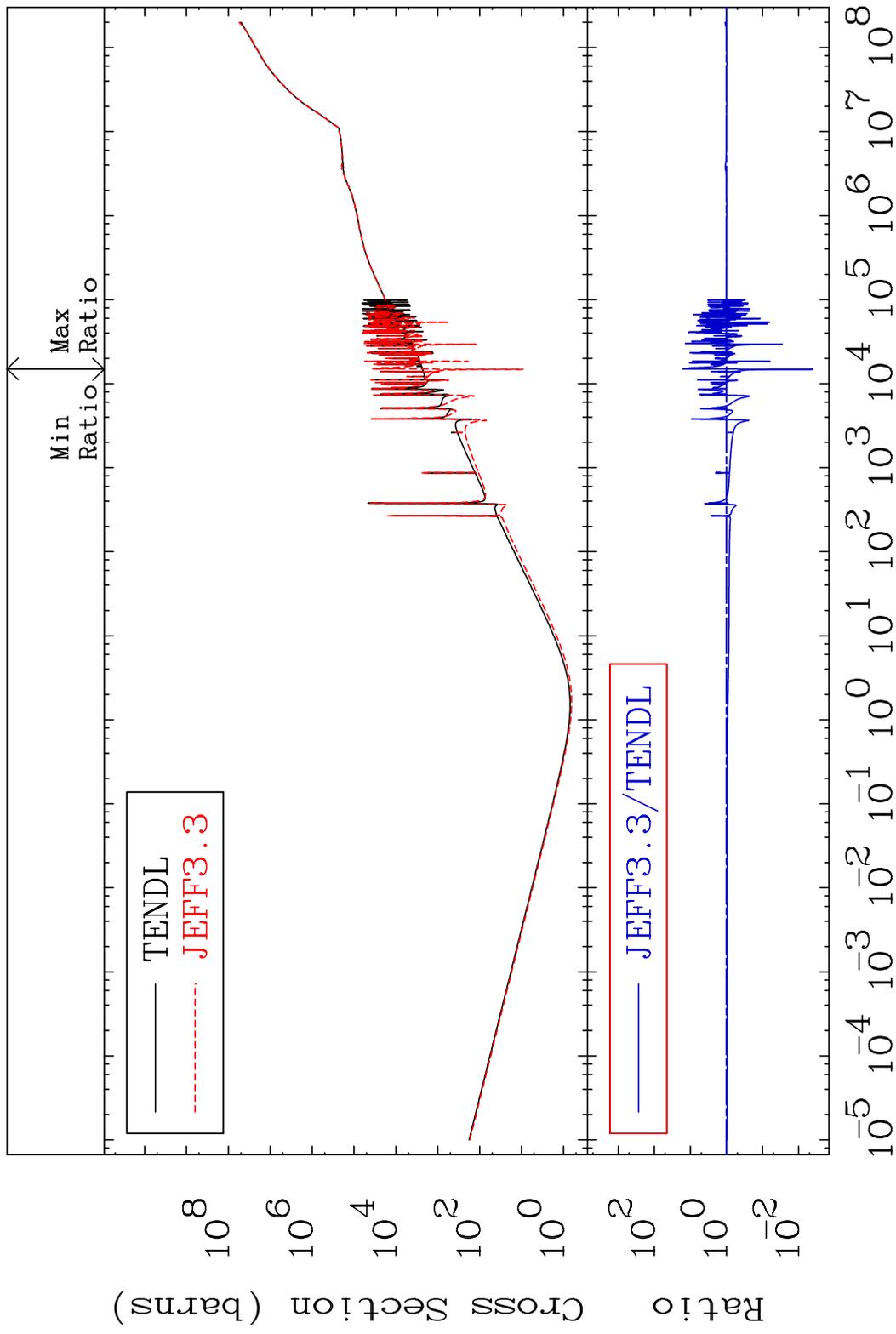
37-Rb-87

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



56 Incident Energy (eV) 37-Rb-87

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

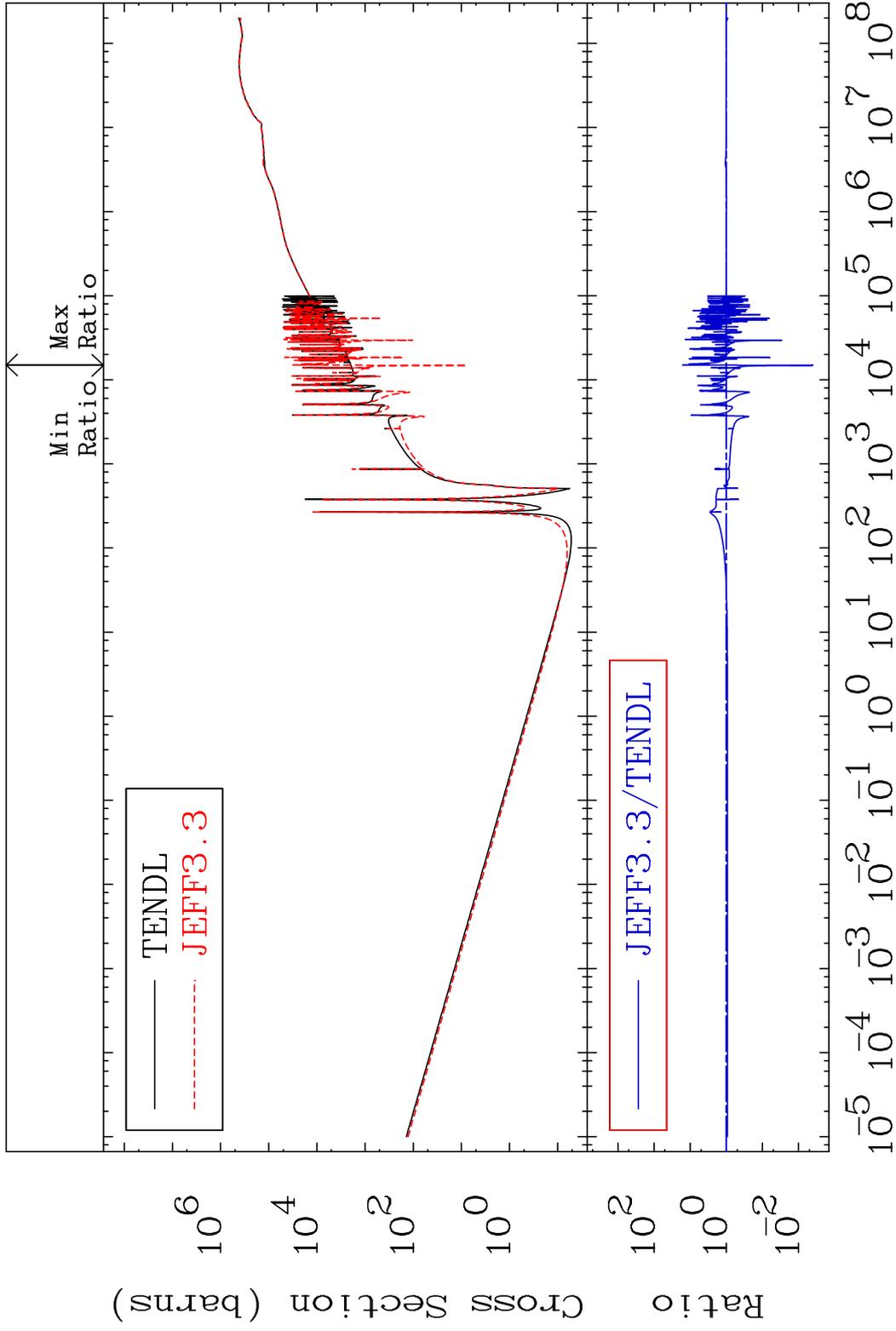


MAT 3731

Dpa total (eV-barns)

37-Rb-87

Cross Section -99.61 To 1520. %



58

Incident Energy (eV)

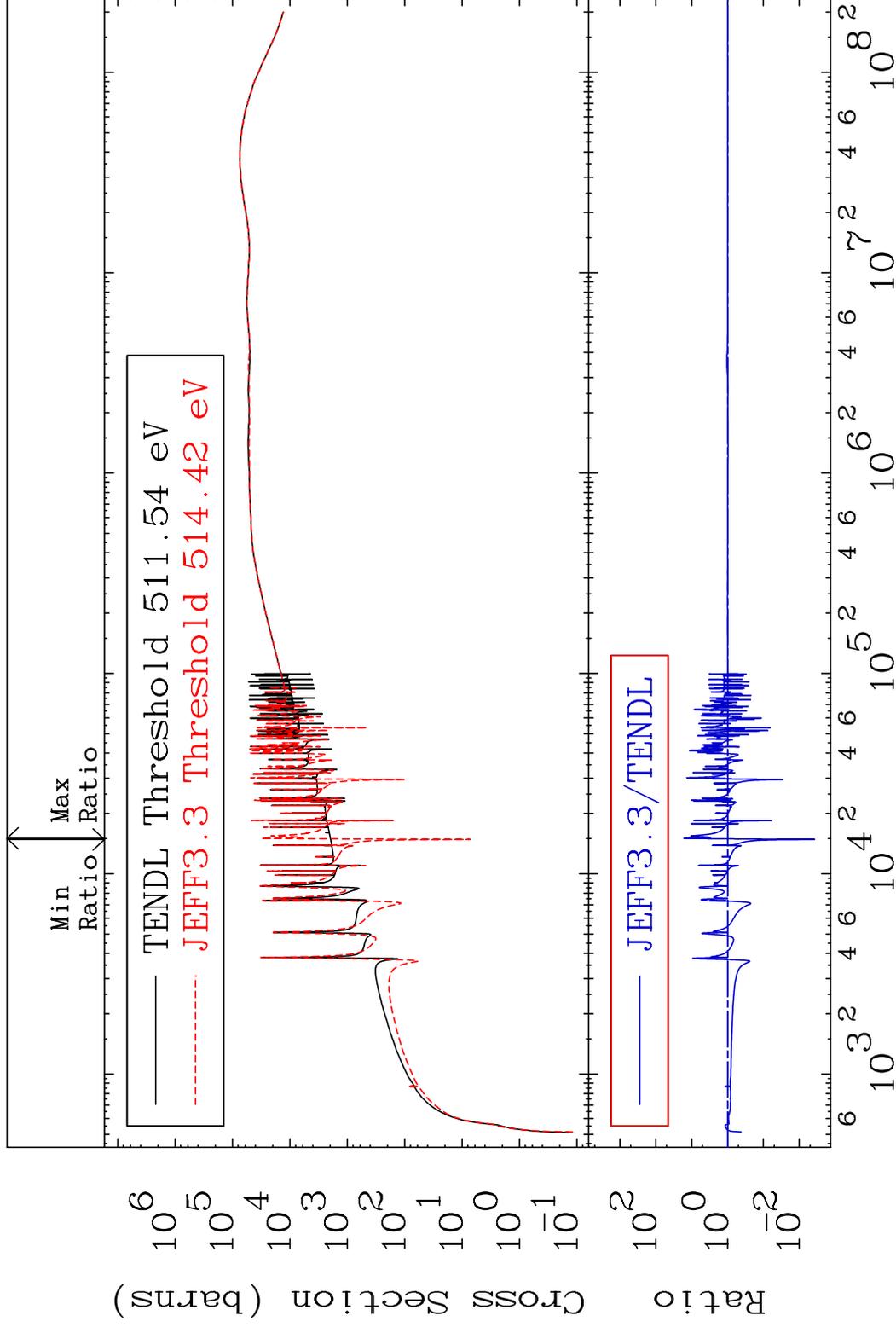
37-Rb-87

MAT 3731

Dpa elastic (mt2)

37-Rb-87

Cross Section -99.63 To 1519. %

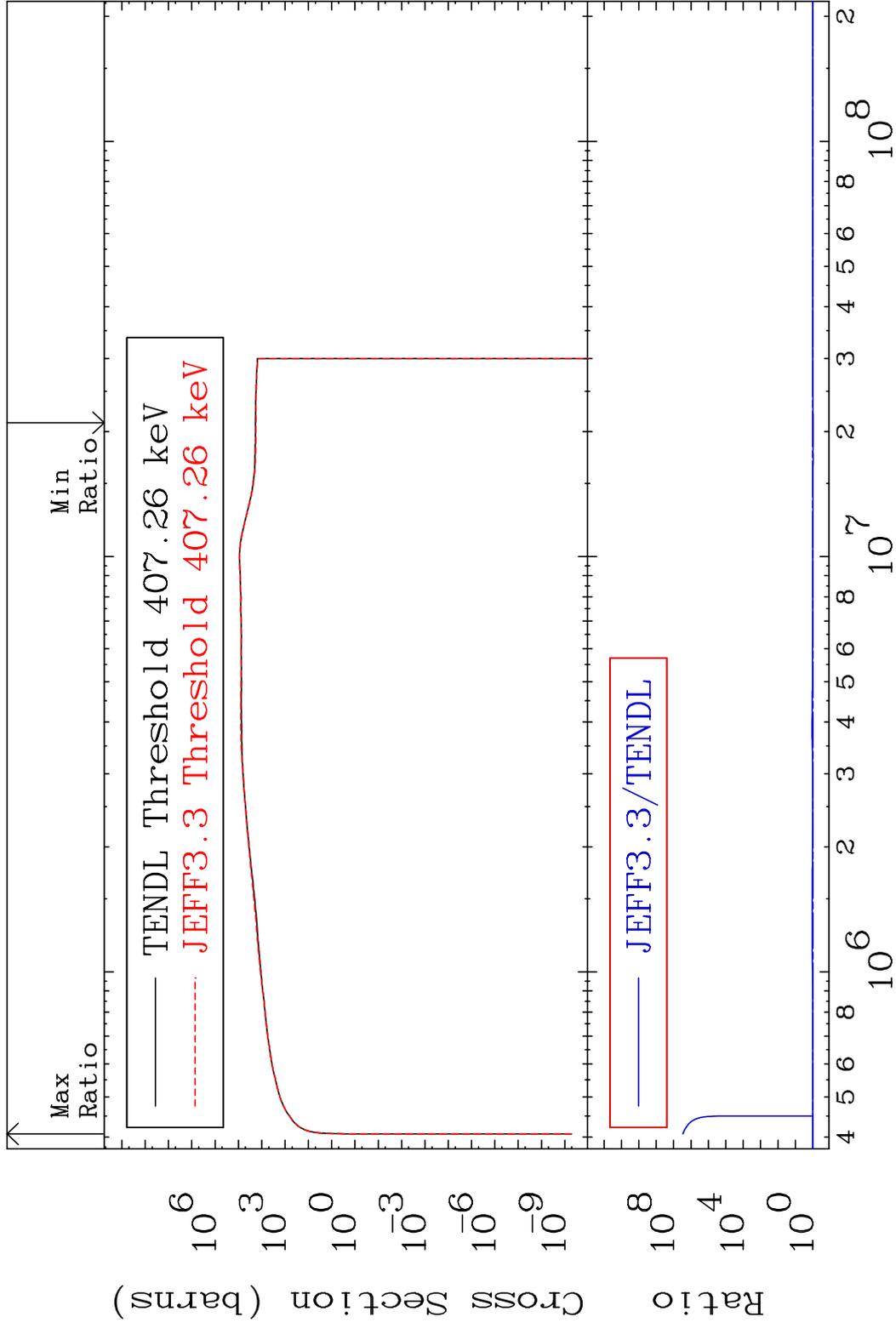


59

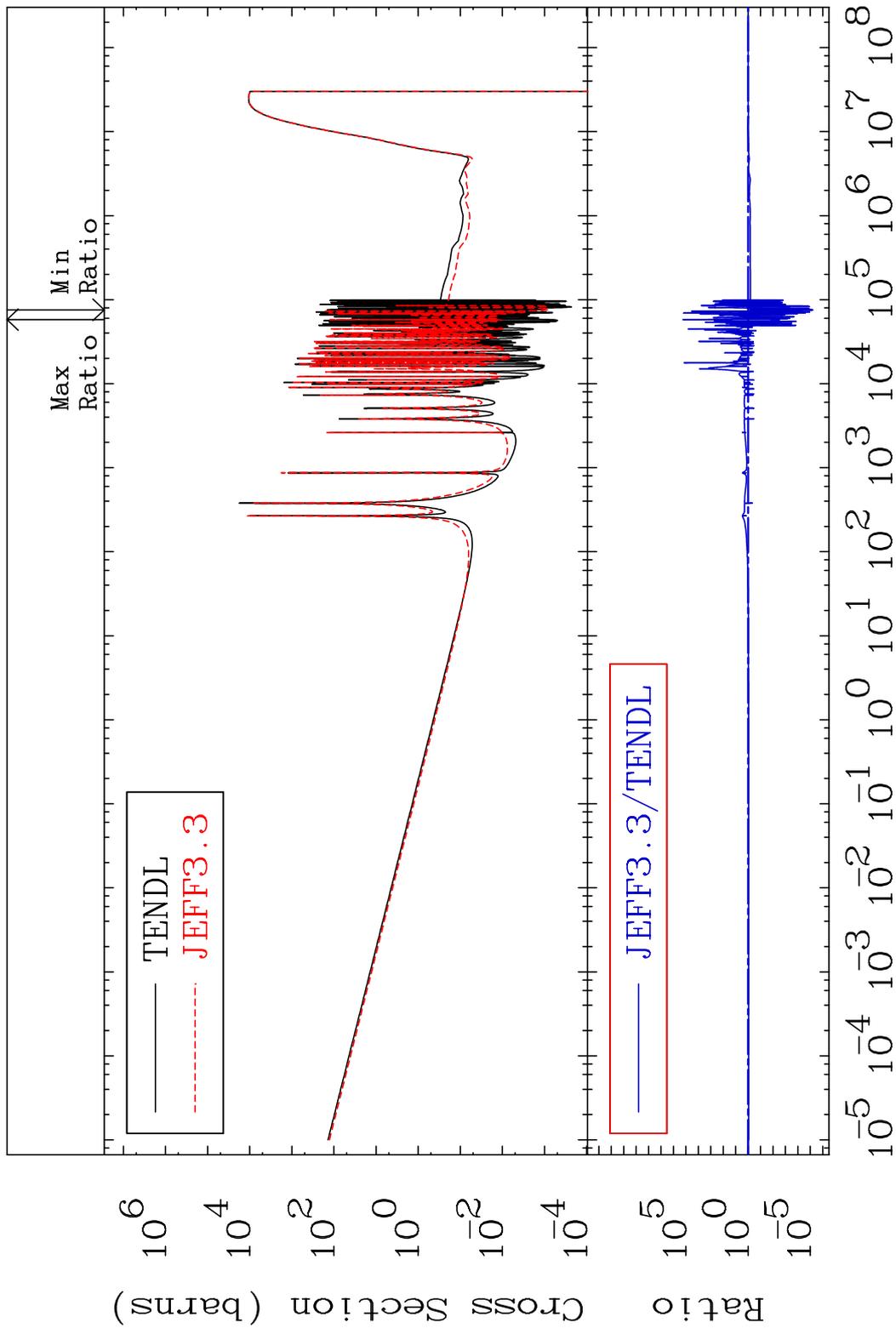
Incident Energy (eV)

37-Rb-87

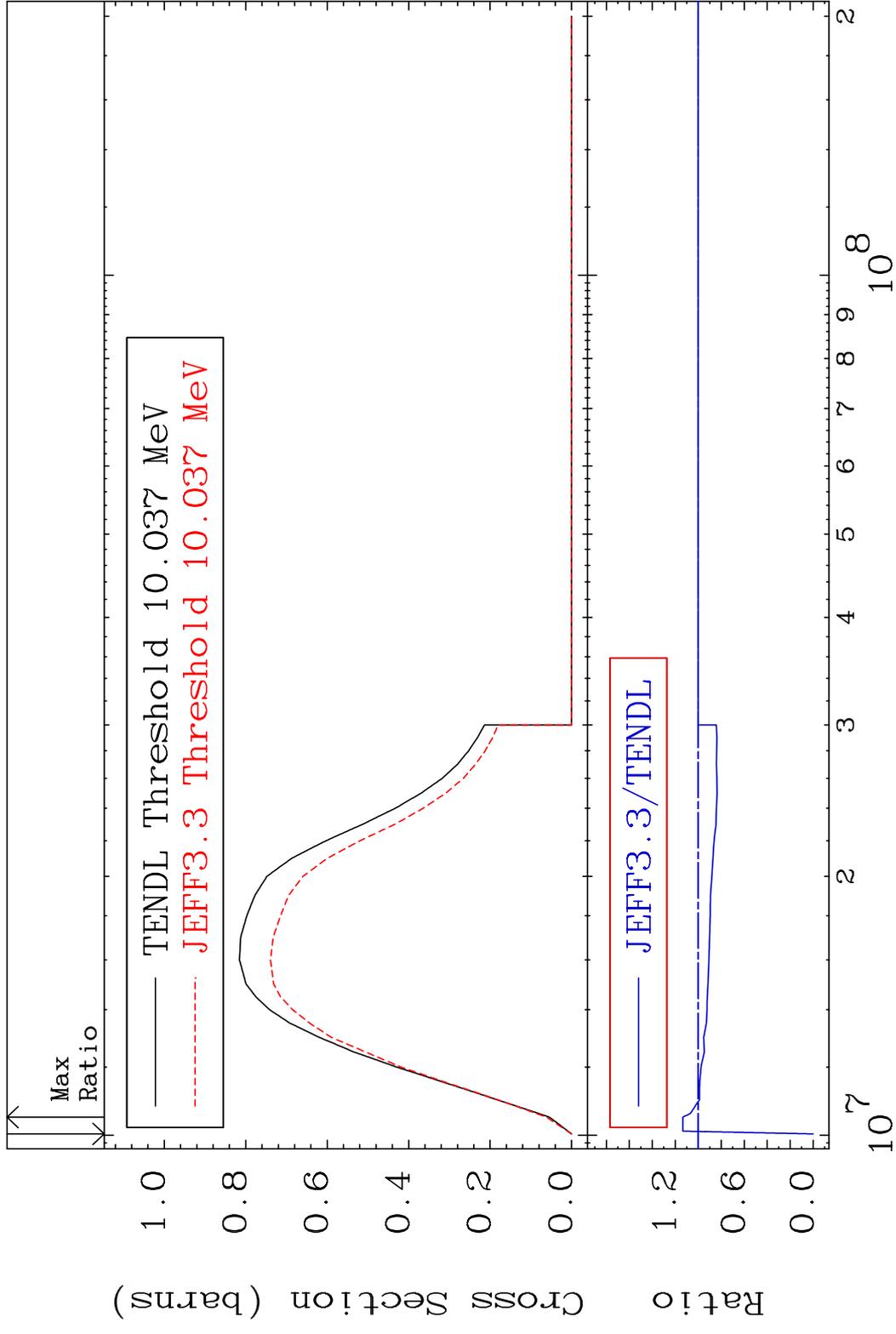
MAT 3731 Dpa inelastic (mt51-91) 37-Rb-87
 Cross Section -4.922 To 9999. %



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

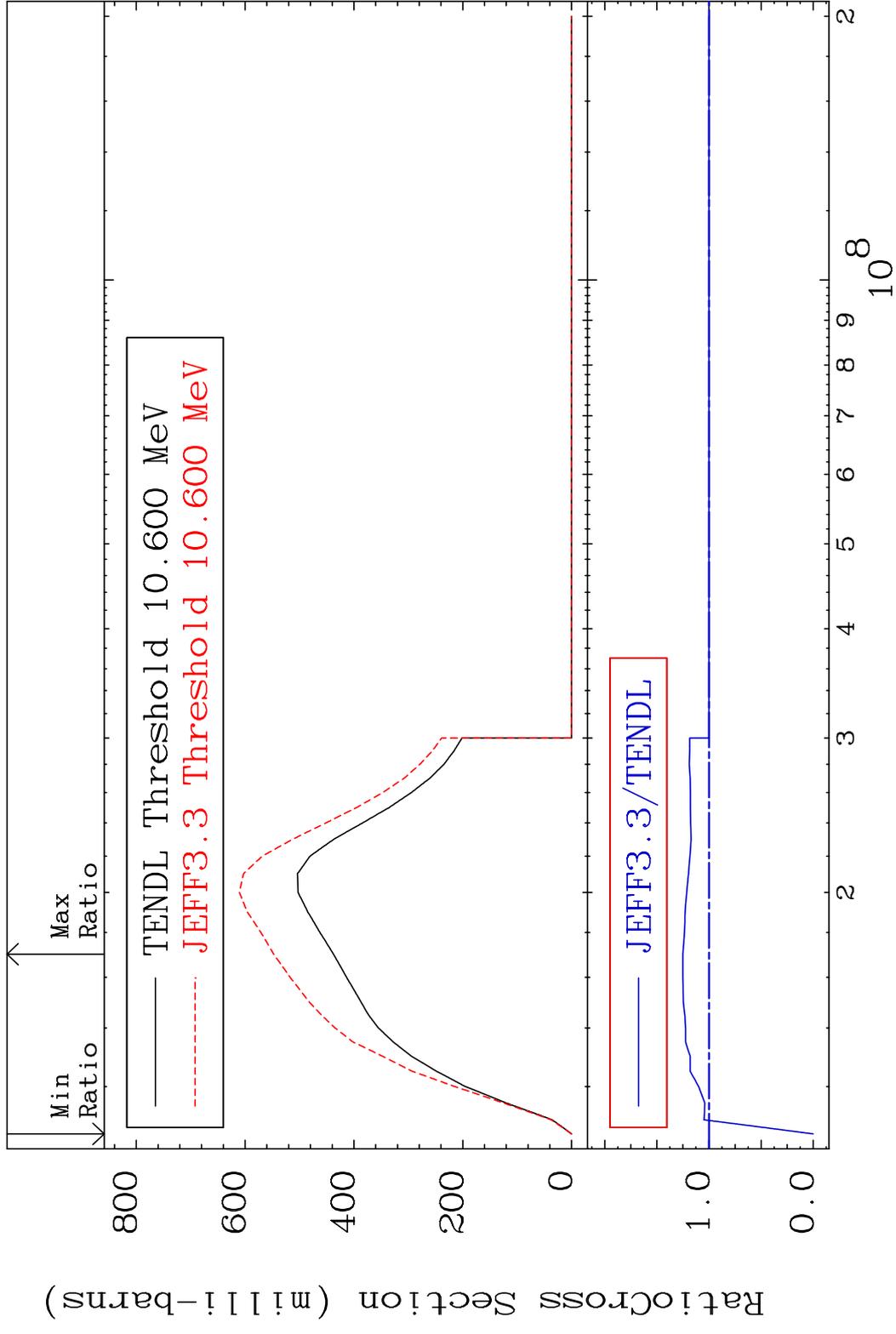


MAT 3731 (n,2n):37-Rb-86g 37-Rb-87
 Radionuclide Production Cross Section 13.41 %

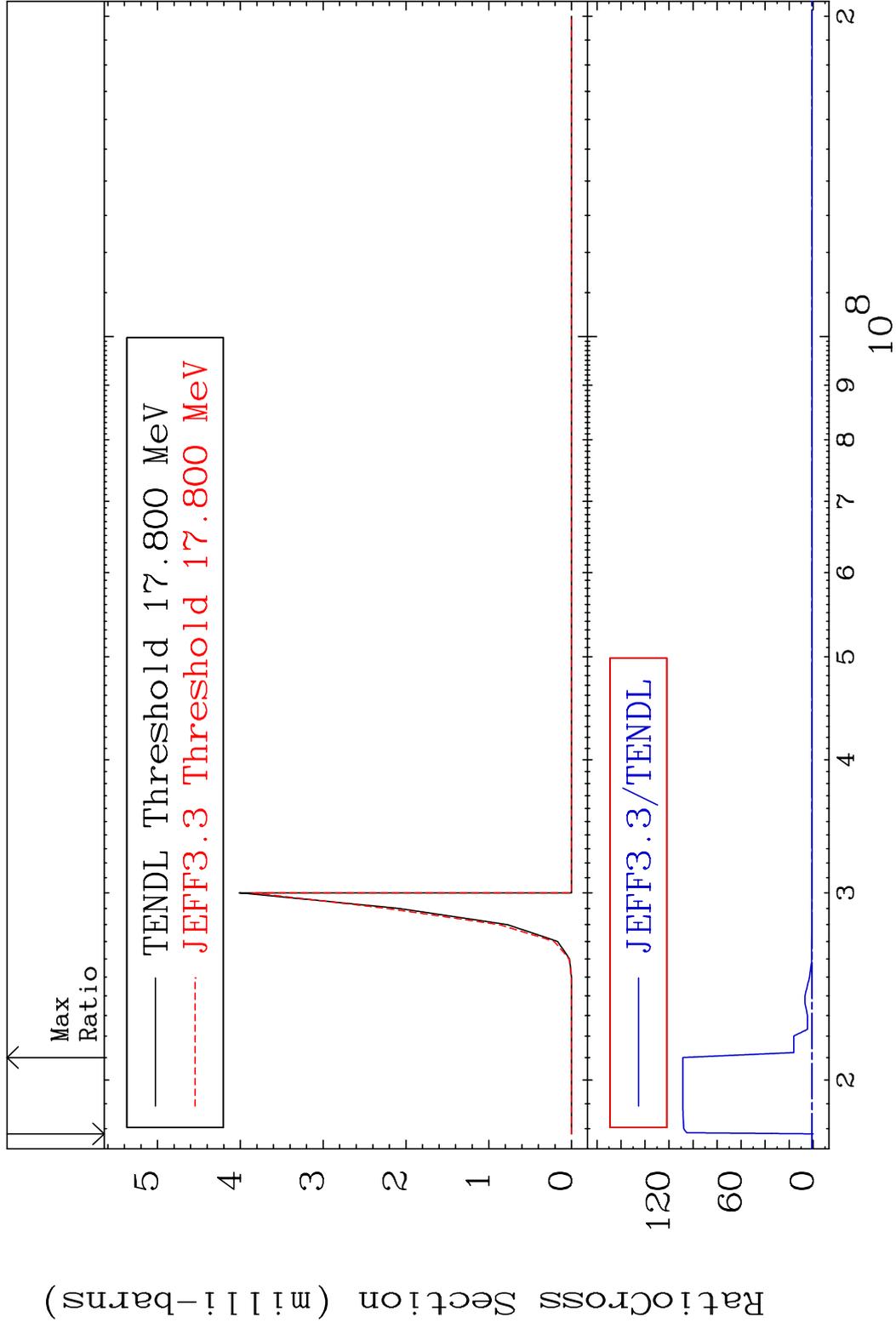


62 Incident Energy (eV) 37-Rb-87

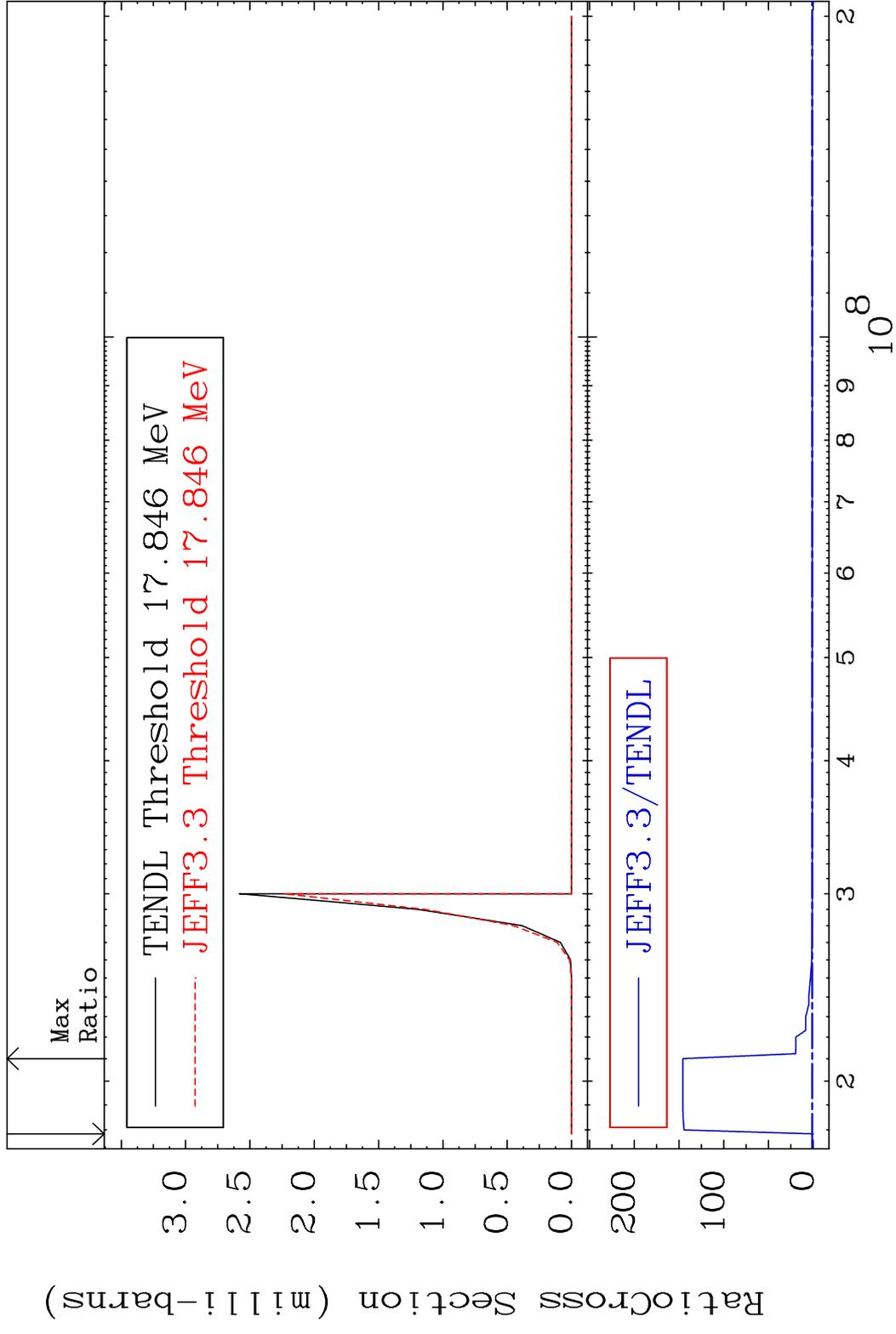
MAT 3731 (n,2n):37-Rb-86m2 37-Rb-87
 Radionuclide Production Cross Section 180.01 dth 25.12 %



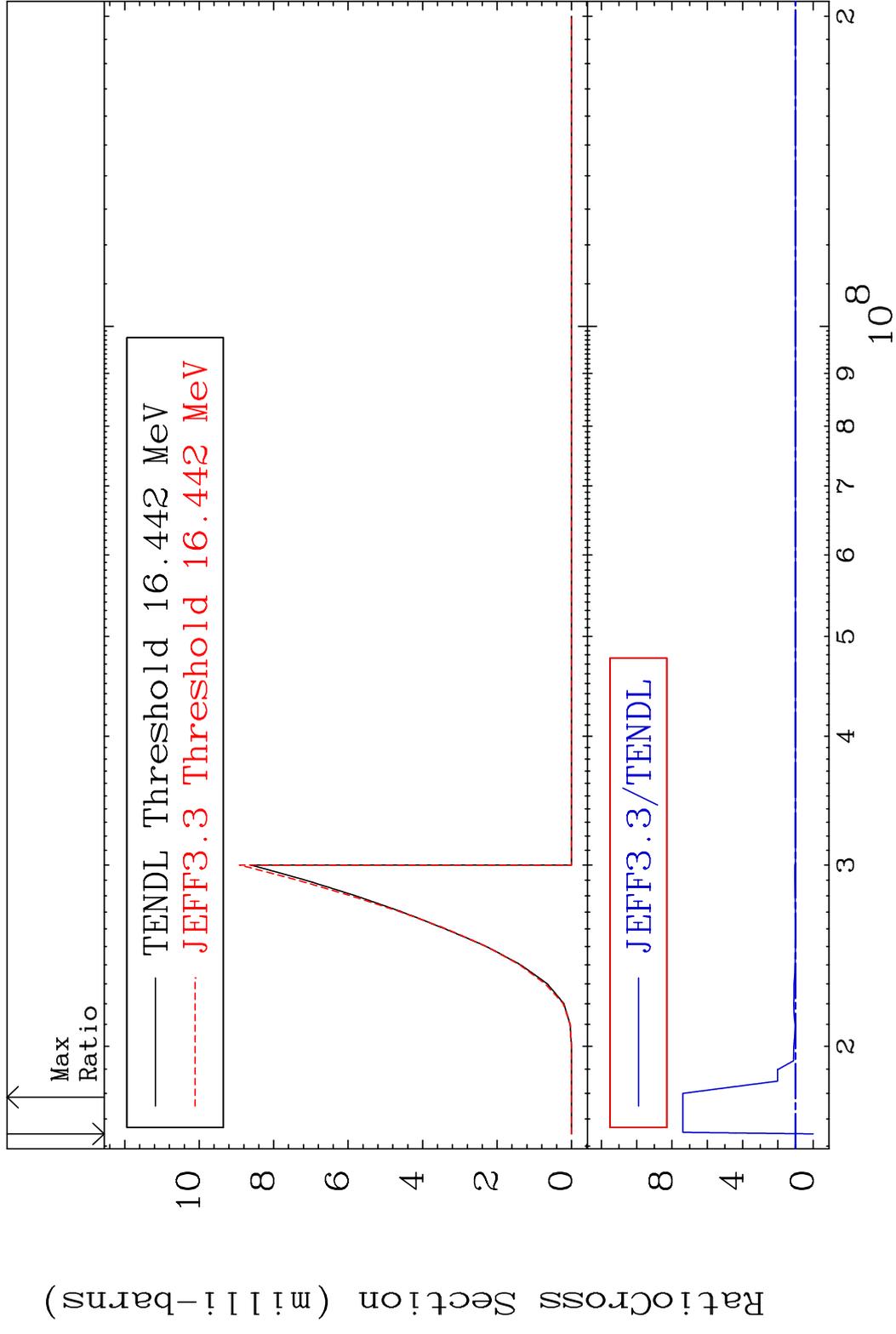
MAT 3731 (n,2n) α :35-Br-82g 37-Rb-87
 Radionuclide Production Cross Section 100.00 dth 9999. %



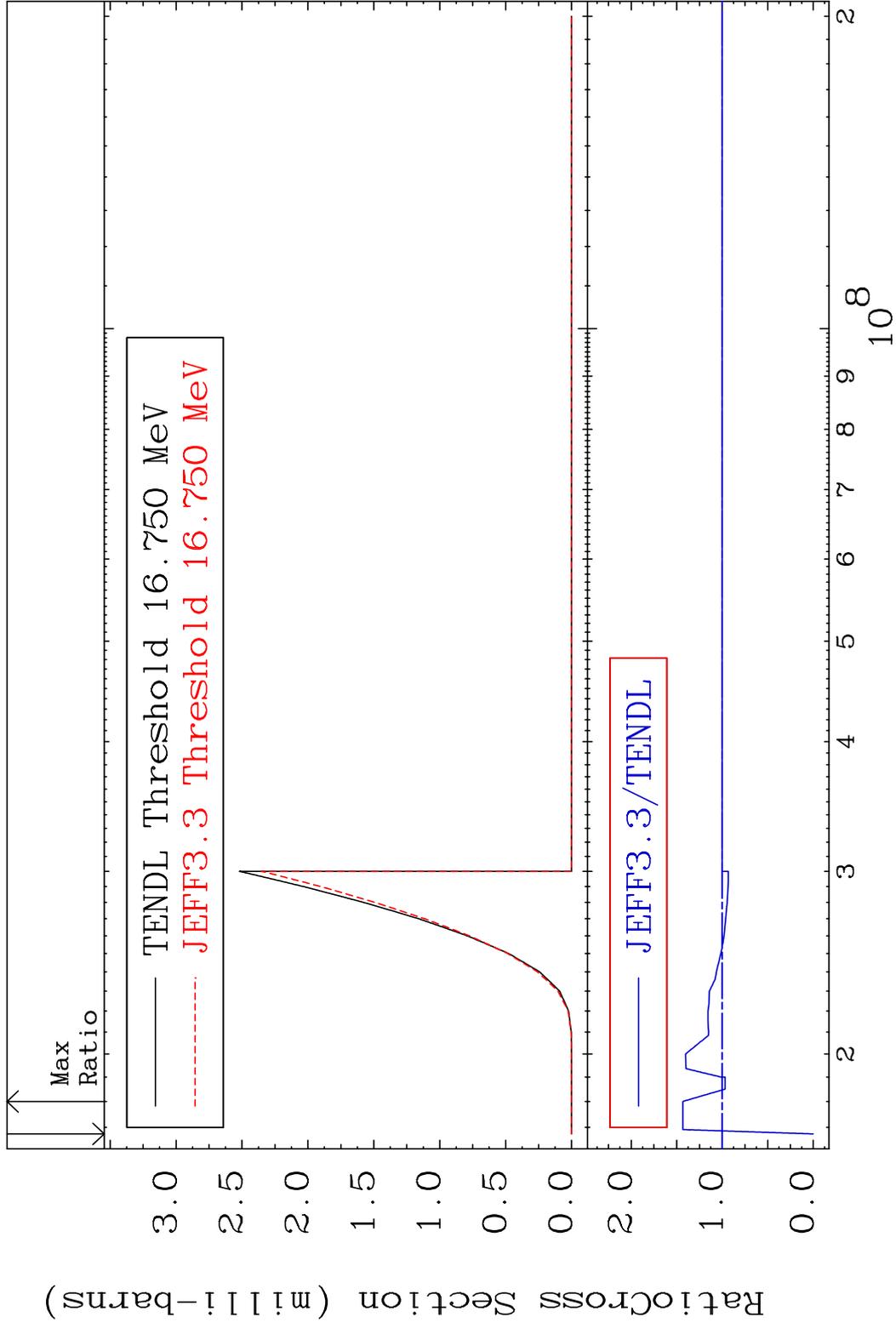
MAT 3731 (n,2n) α :35-Br-82m1 37-Rb-87
 Radionuclide Production Cross Section 1800 d to 9999. %

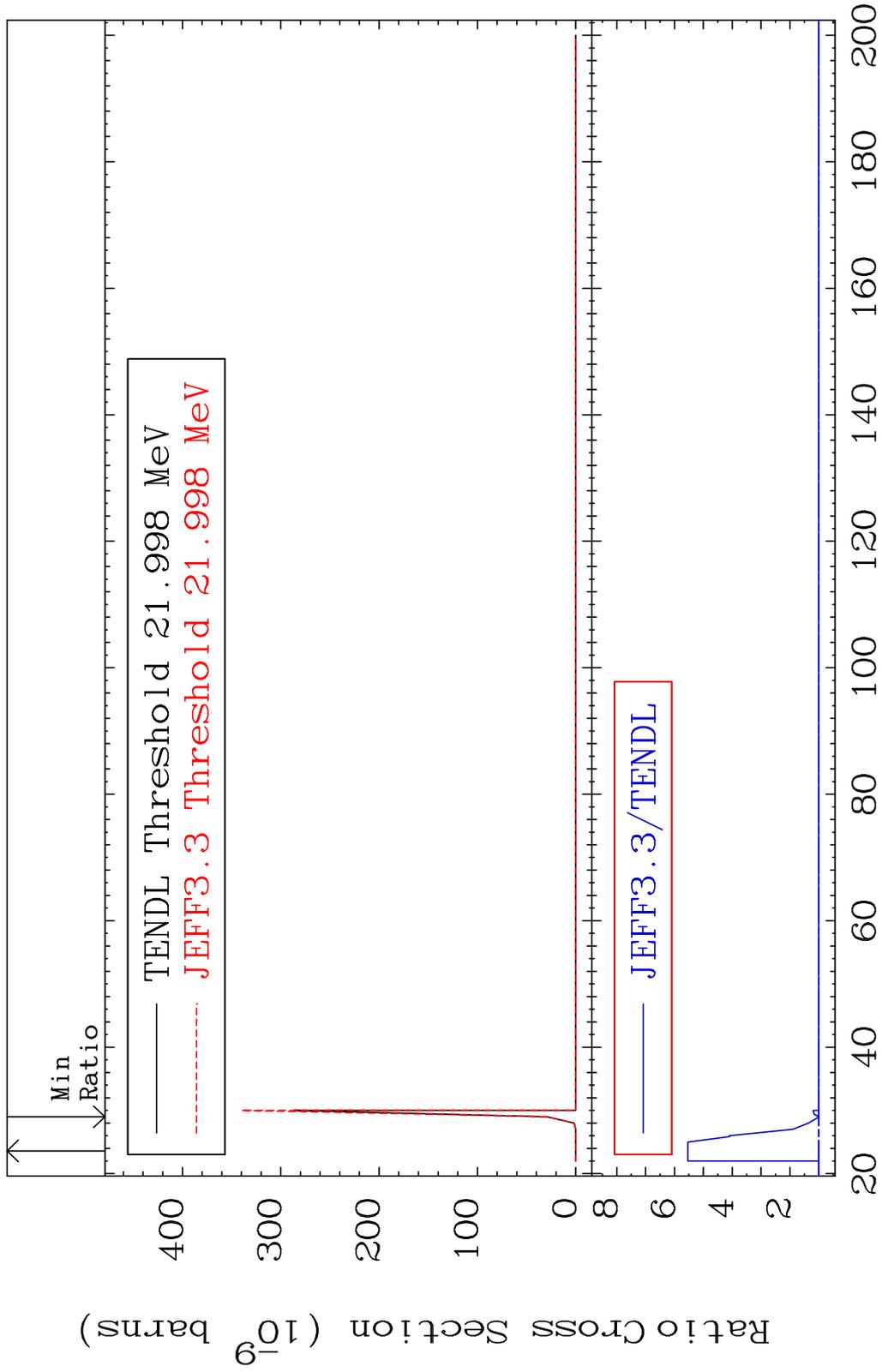


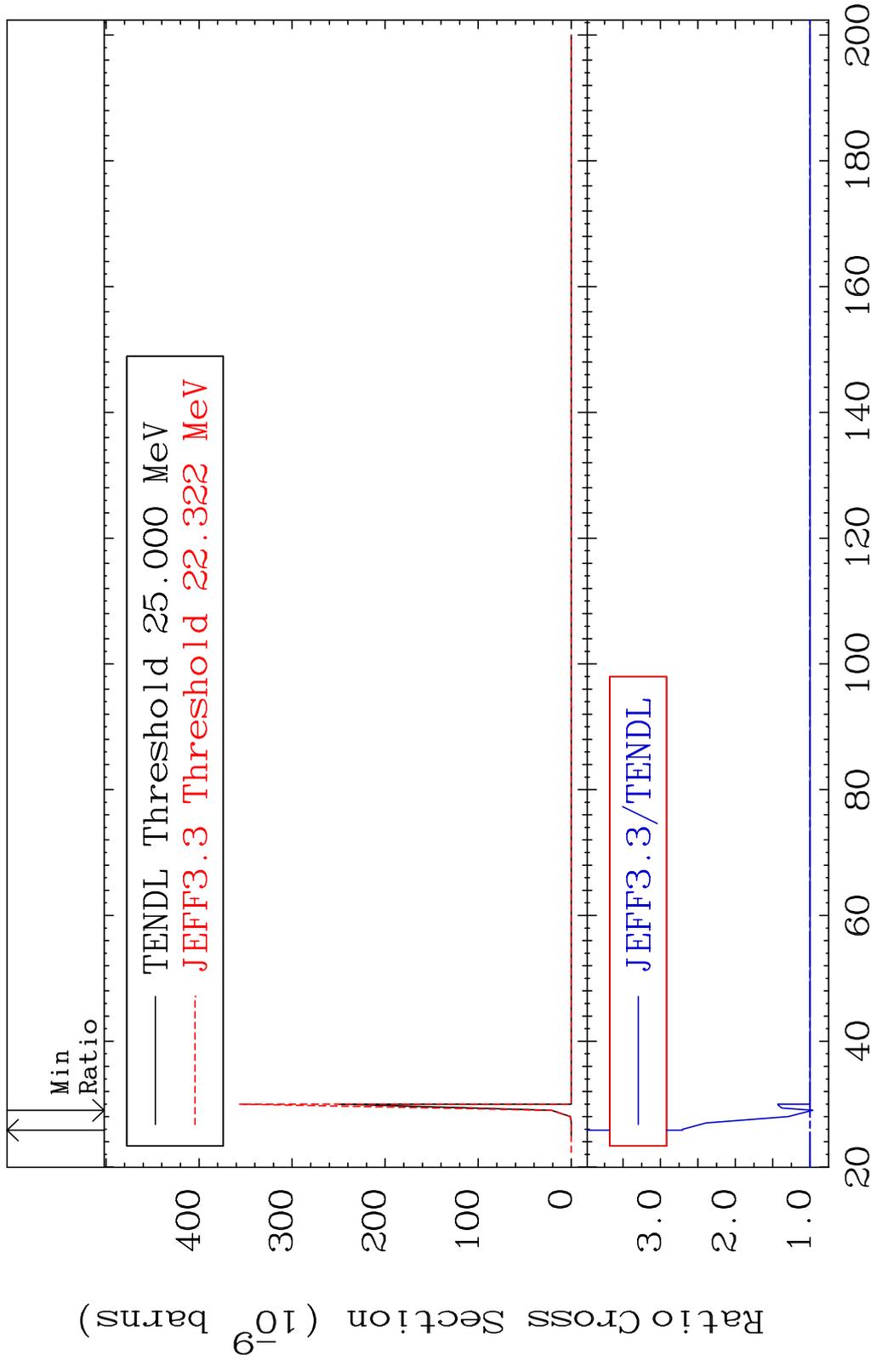
MAT 3731 (n, n') d:36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section 1800 d to 638.5 %



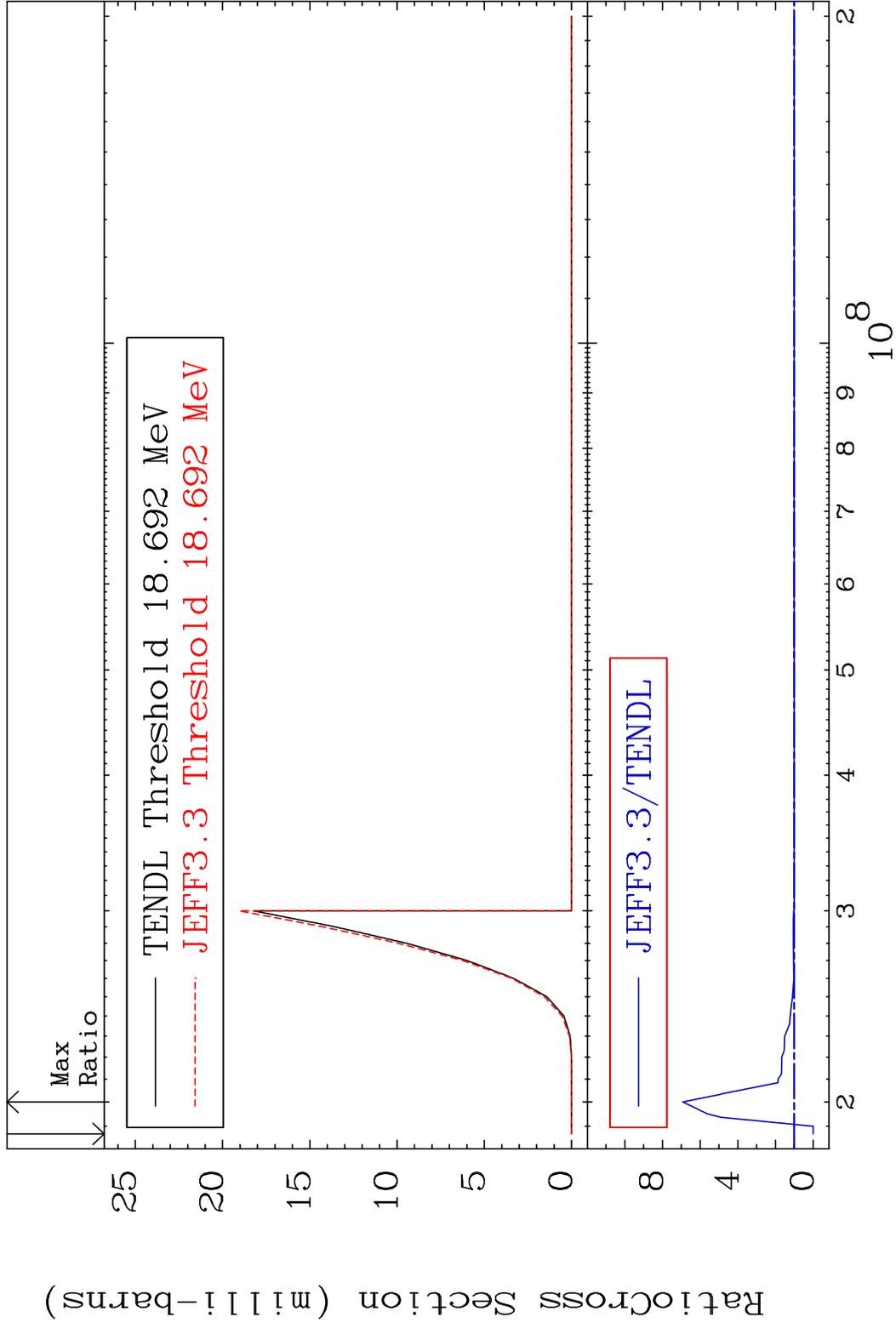
MAT 3731 (n, n') d:36-Kr-85m1 37-Rb-87
 Radionuclide Production Cross Section 43.28 %

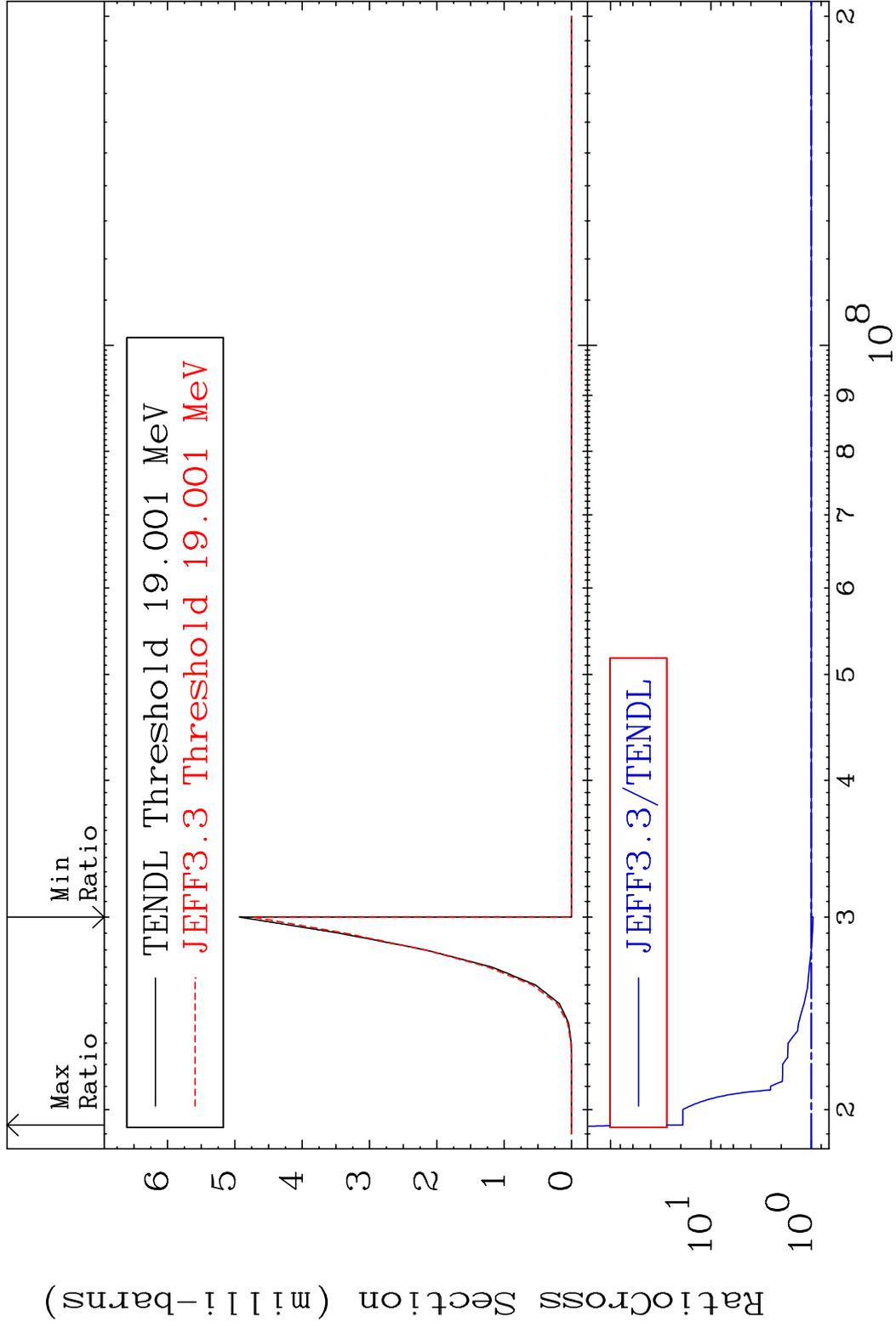




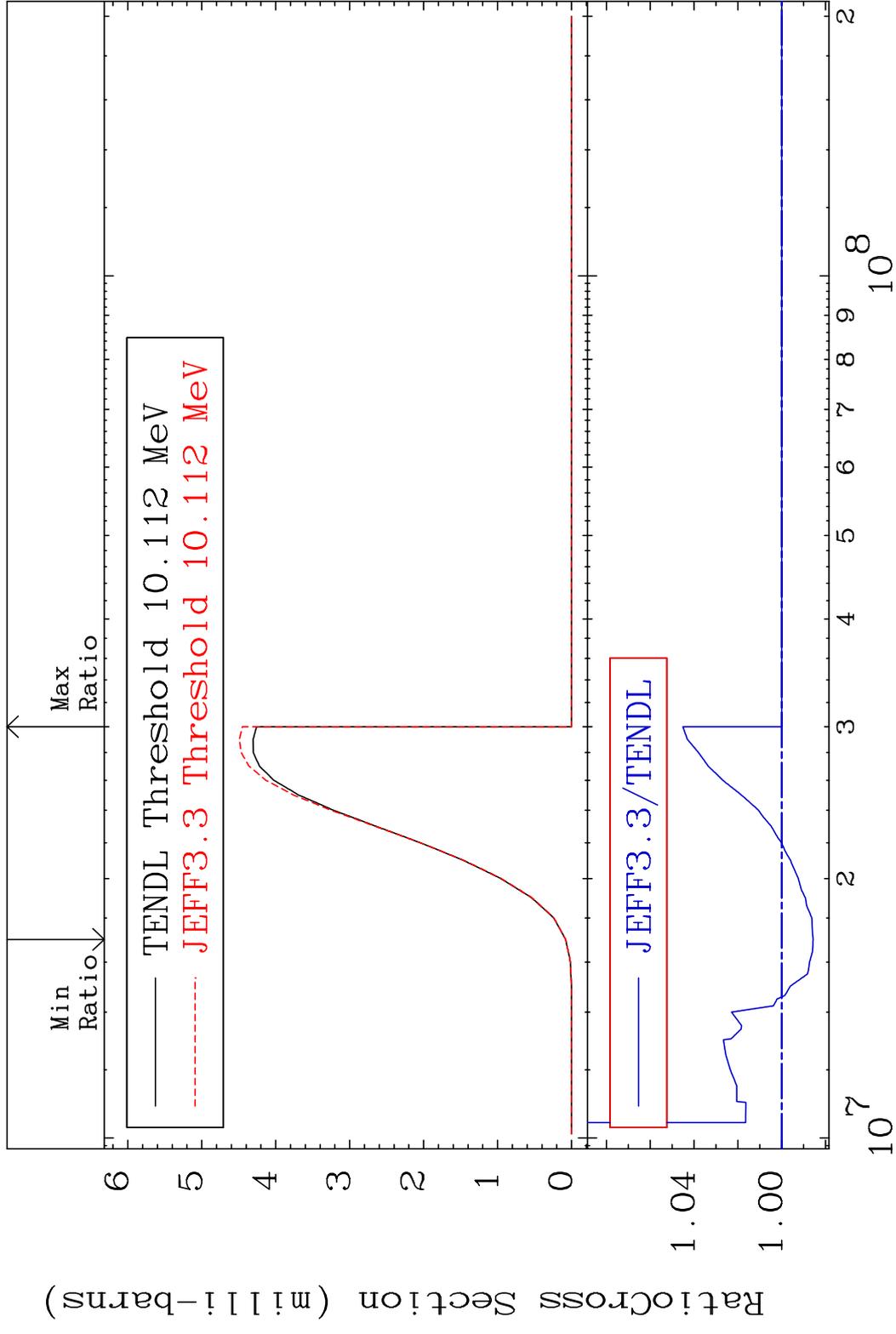


MAT 3731 (n,2n) p:36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section 18.692 MeV 592.1 %

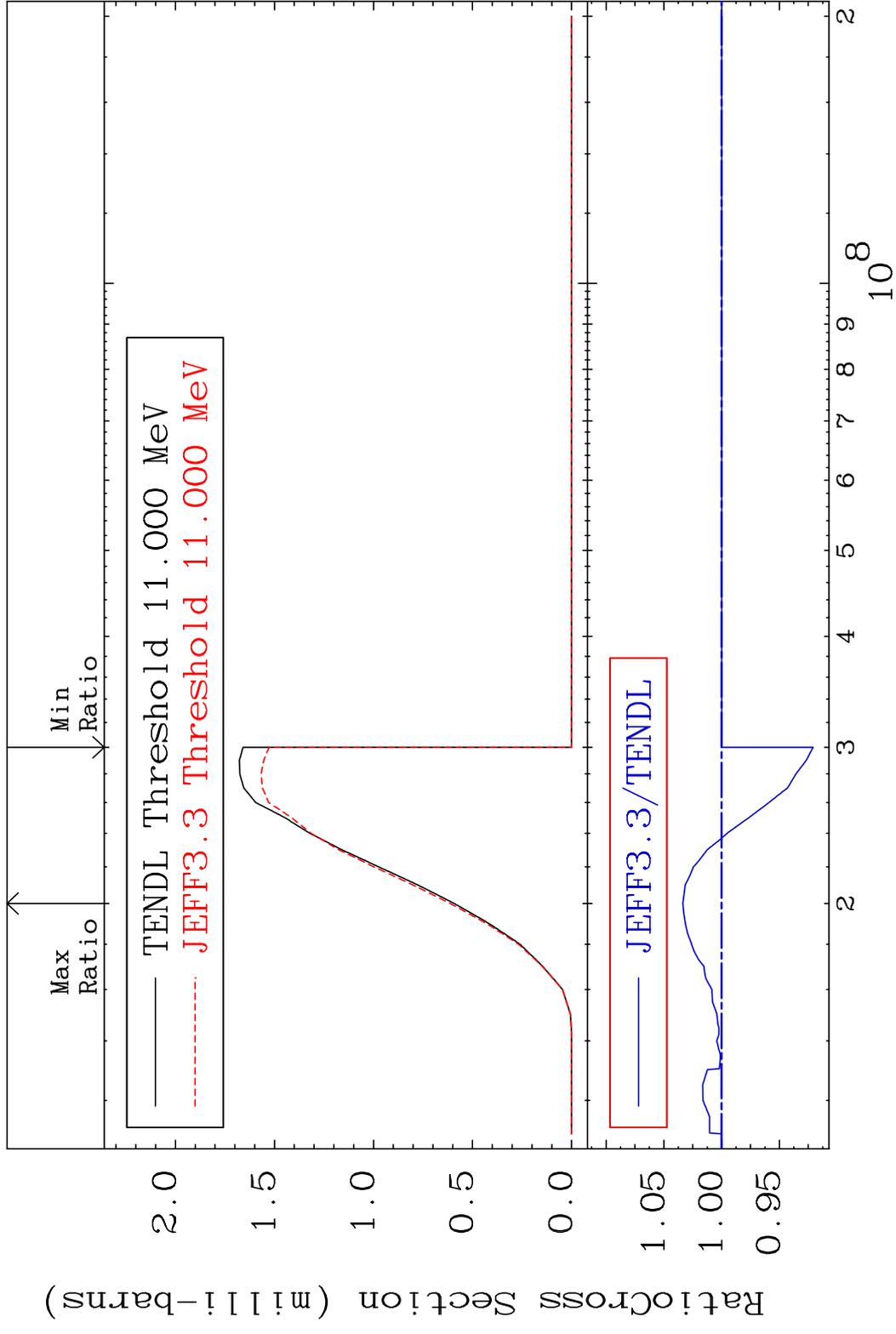




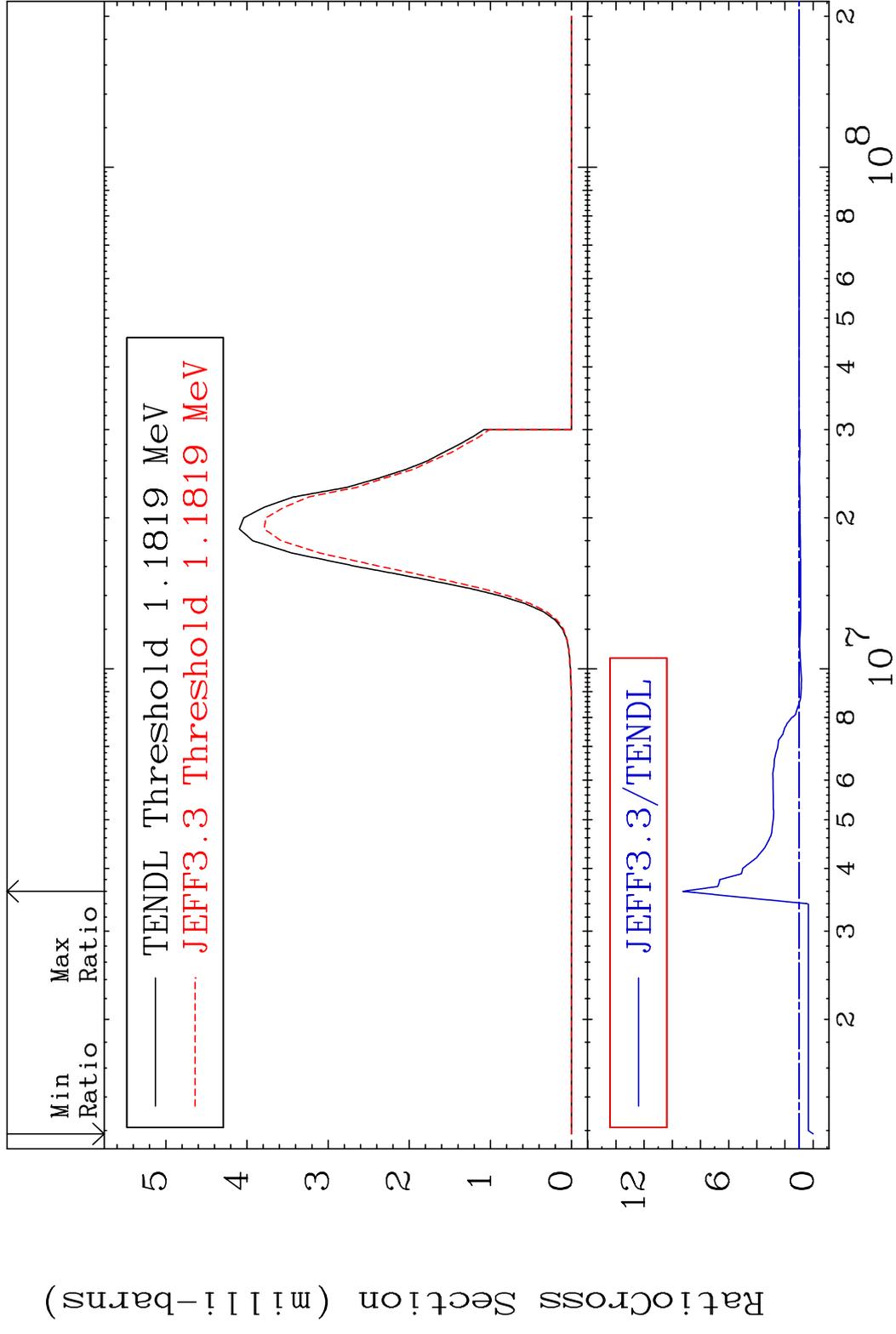
MAT 3731 (n, t):36-Kr-85g 37-Rb-87
 Radionuclide Production Cross Section 4.509 %

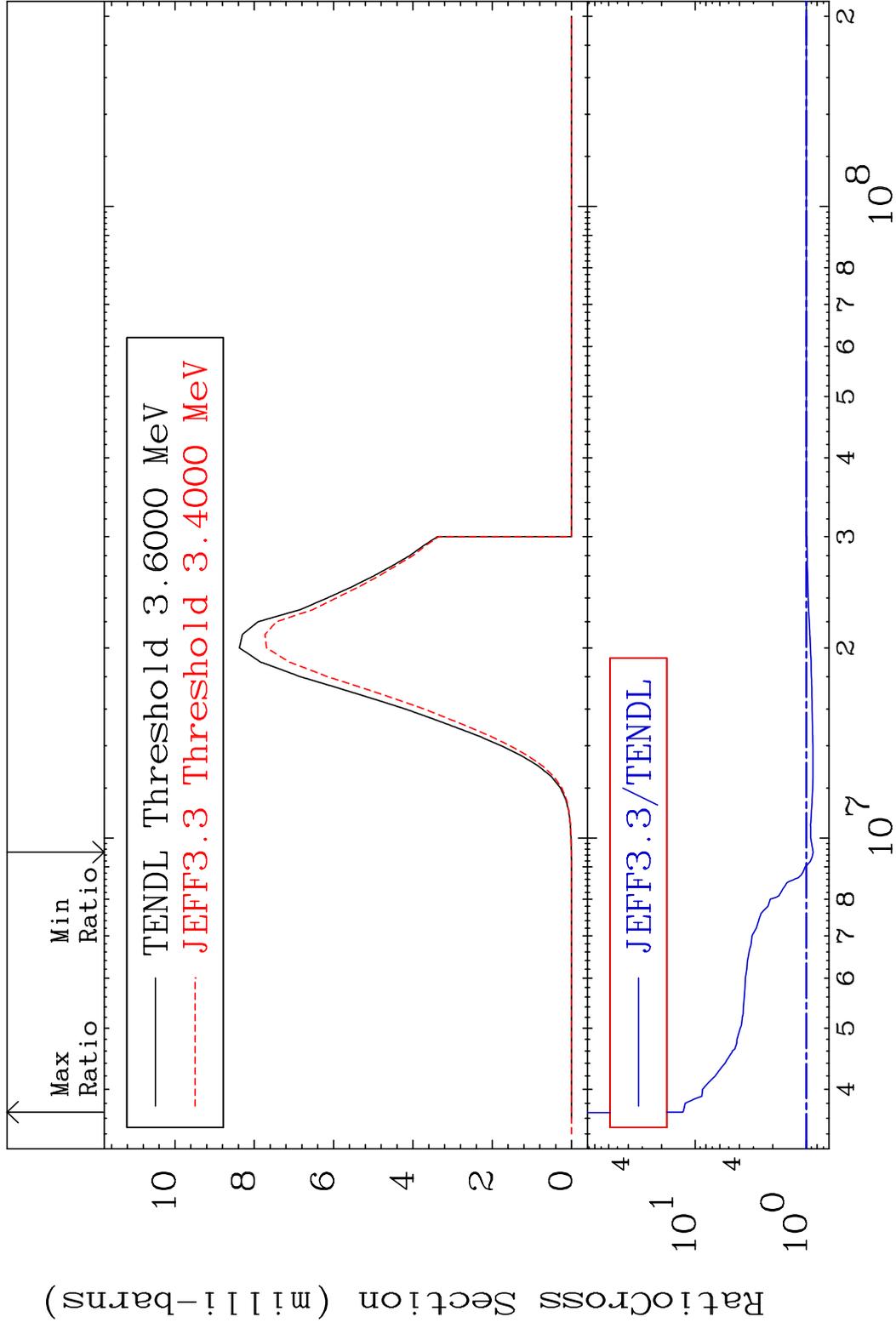


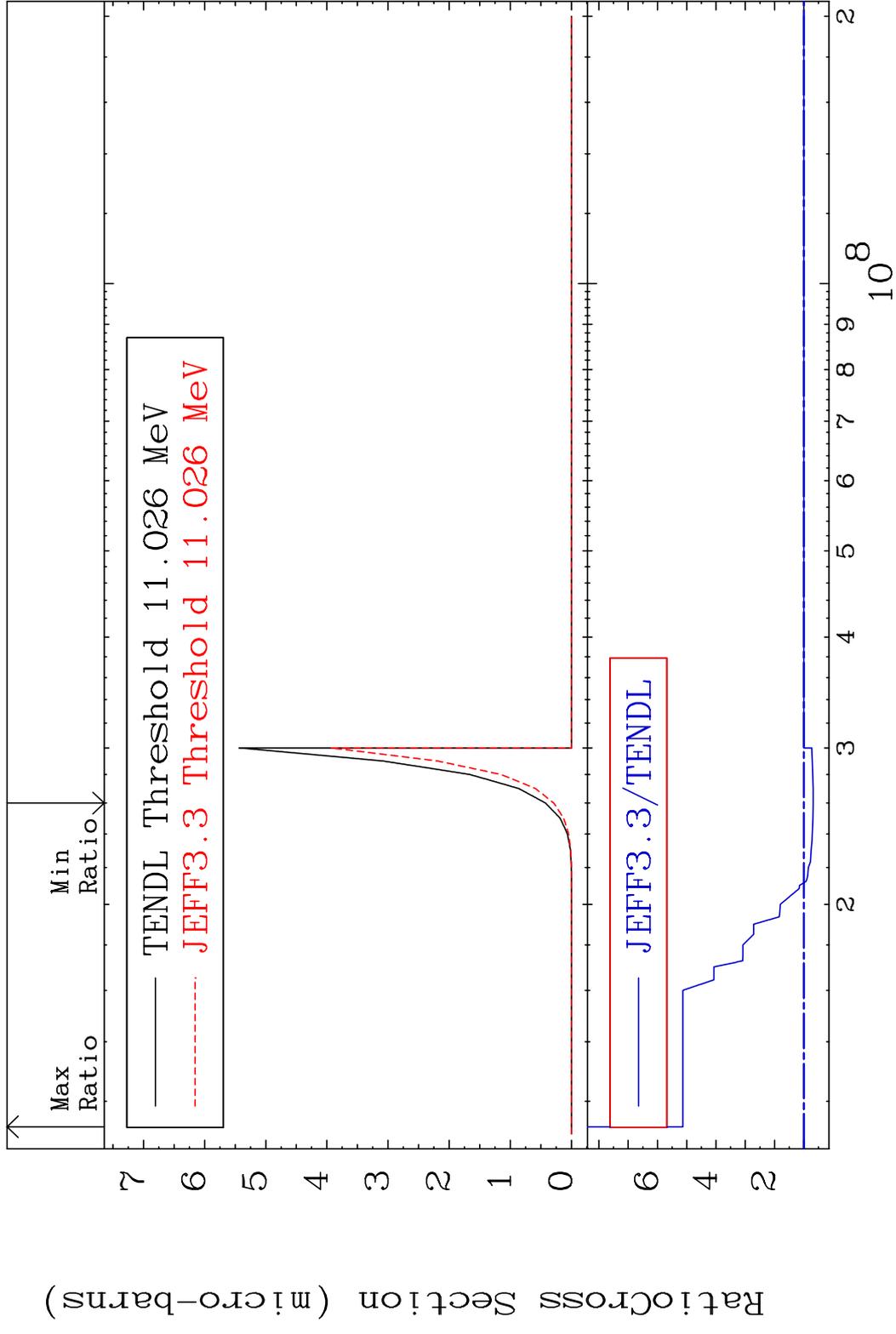
72 Incident Energy (eV) 37-Rb-87



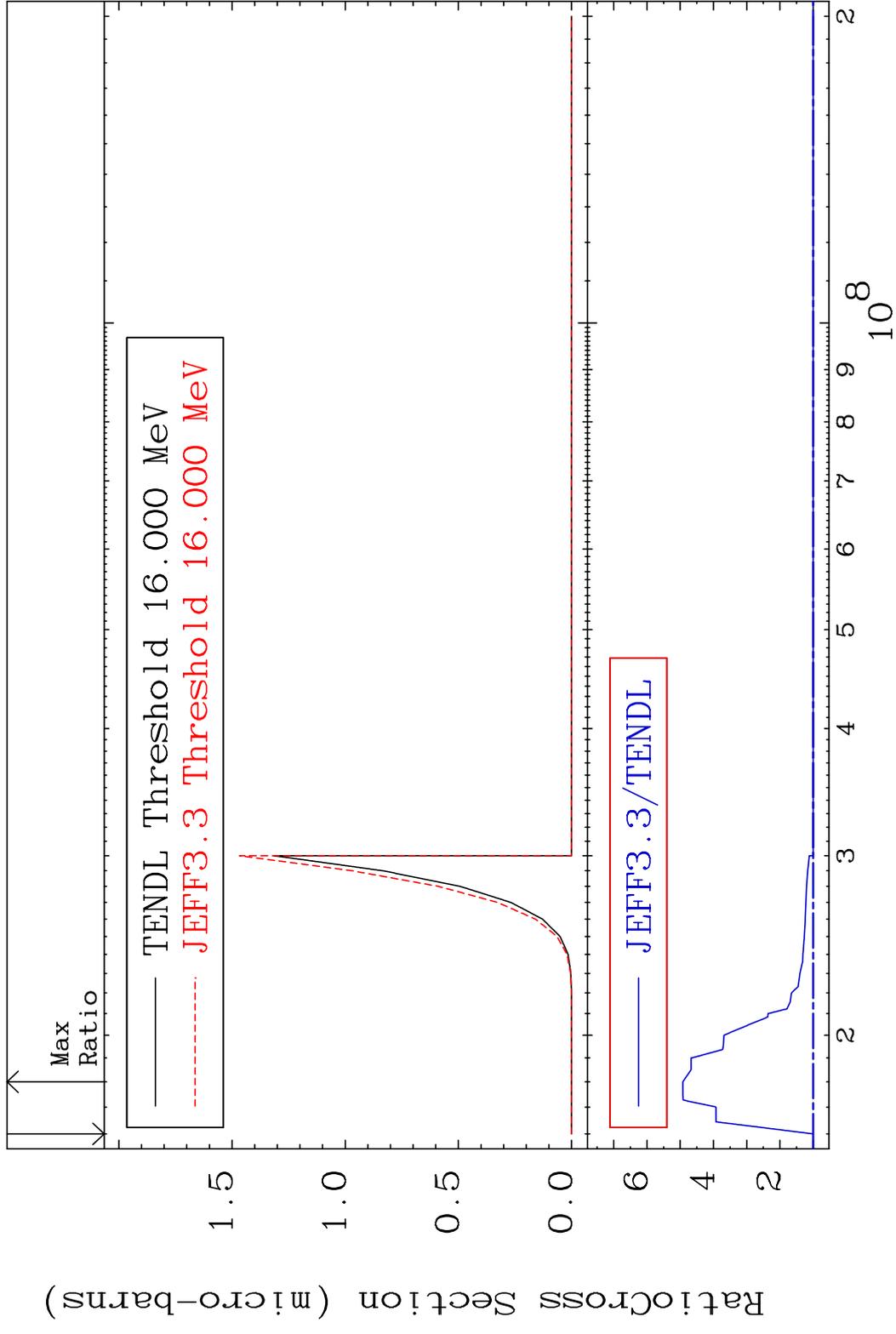
MAT 3731 (n, α):35-Br-84g 37-Rb-87
 Radionuclide Production Cross Section 825.2 %



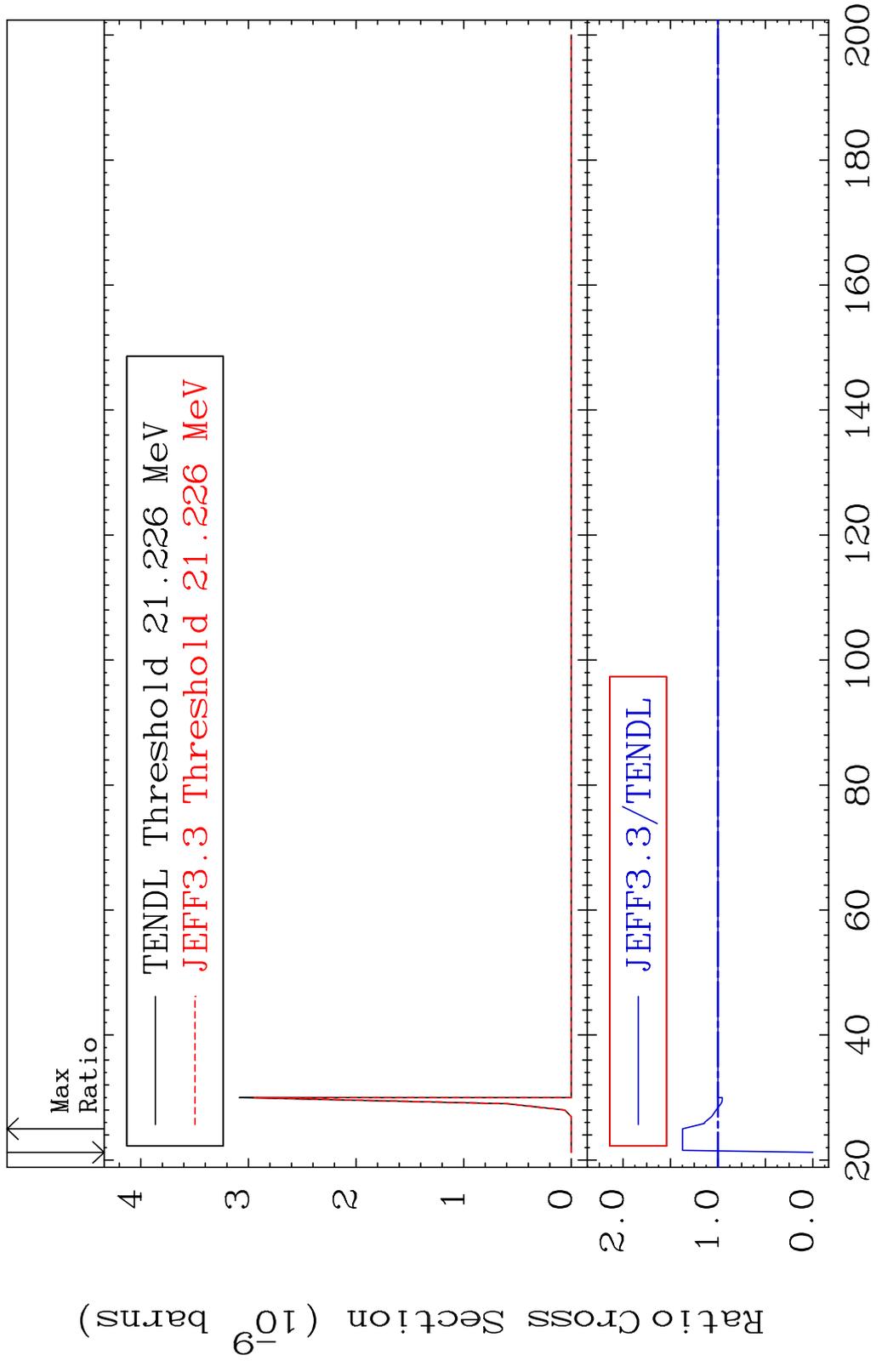




MAT 3731 (n,p) α :34-Se-83m1 37-Rb-87
 Radionuclide Production Cross Section 392.1 %



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 %

