

Program Complot
(Version 2021-1)

by

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U.S.A.

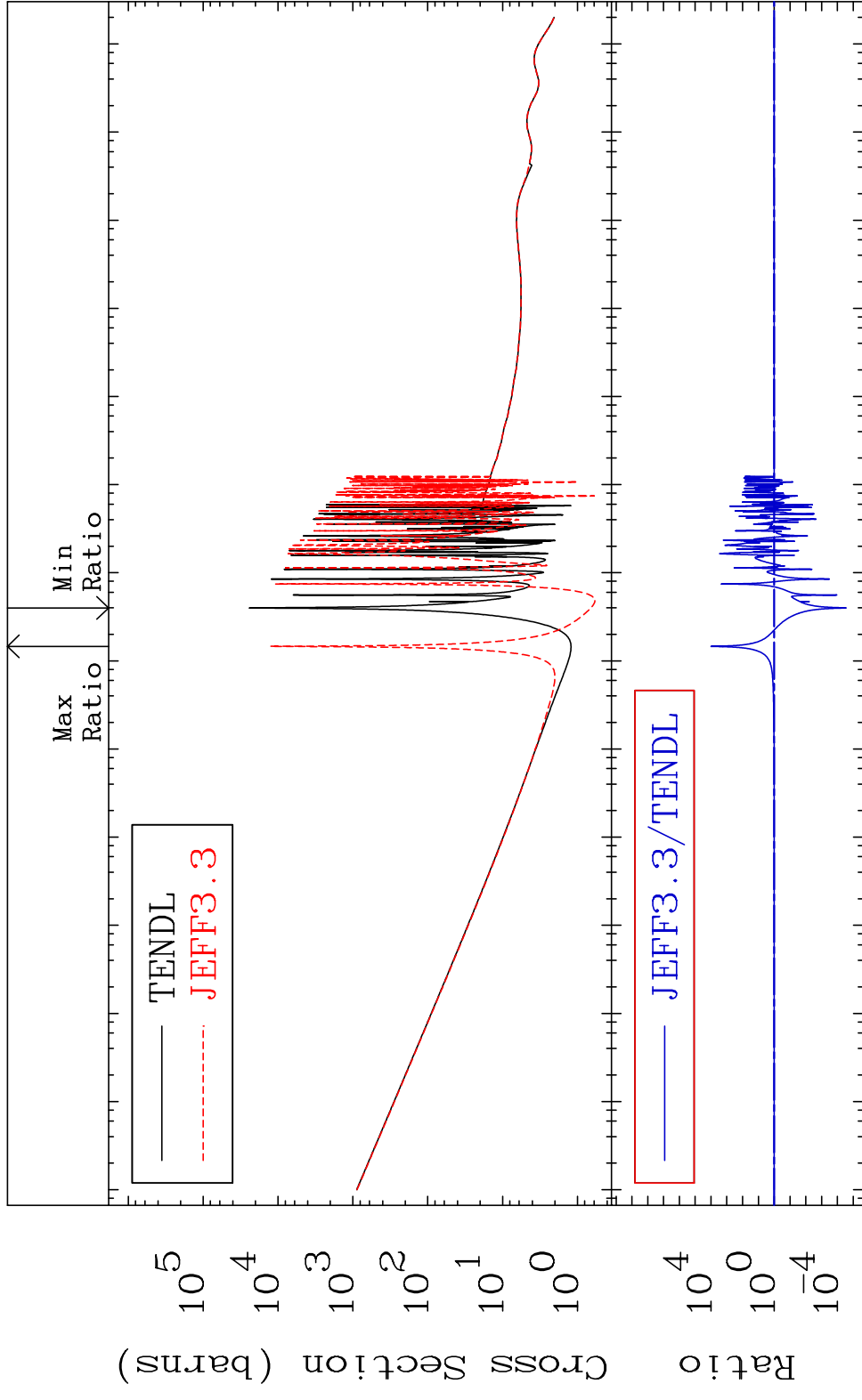
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5140

Total Cross Section -100.0 To 9999. %
51-Sb-126



1

Incident Energy (eV)

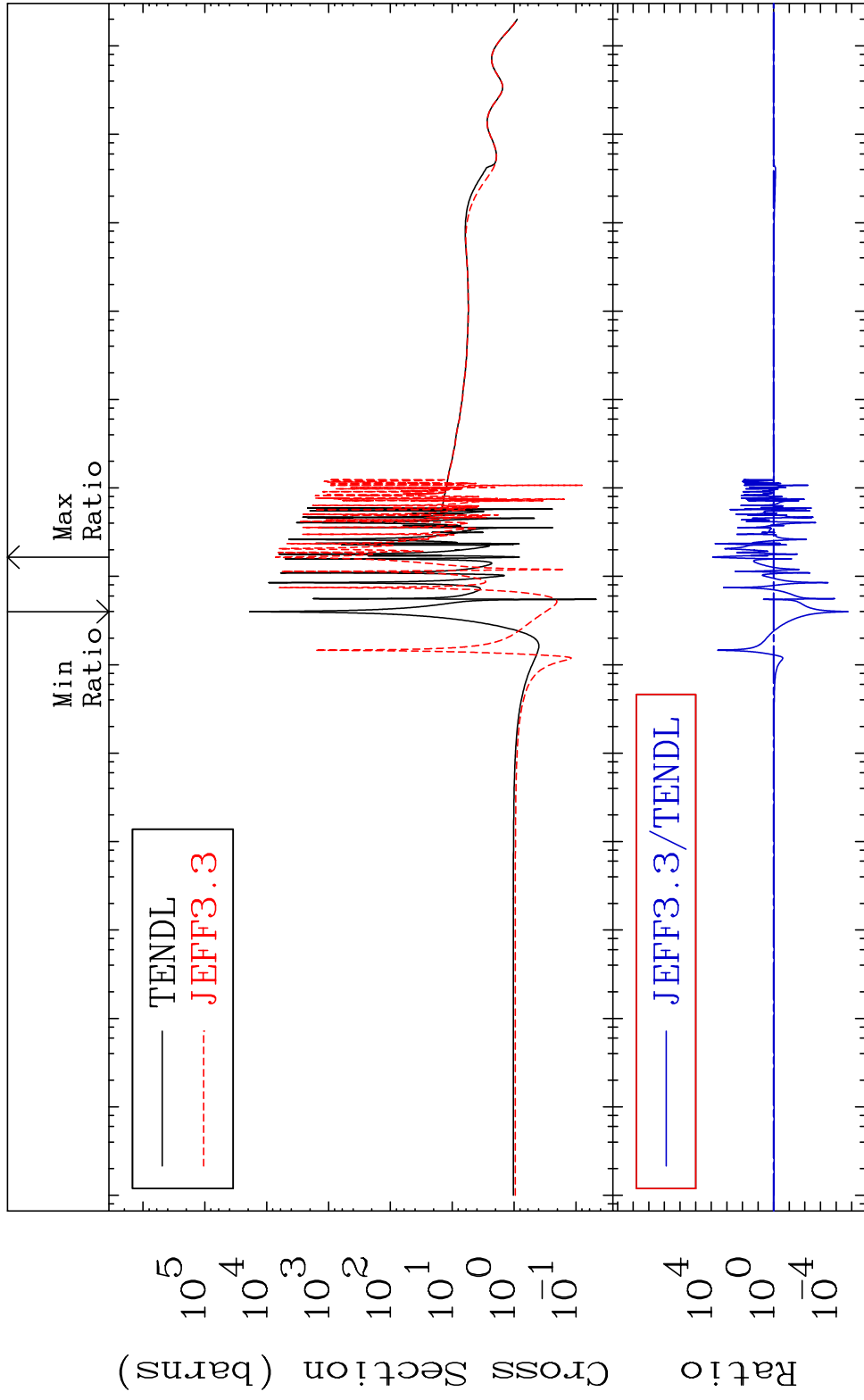
51-Sb-126

MAT 5140

Elastic

51-Sb-126

Cross Section -100.0 To 9999. %

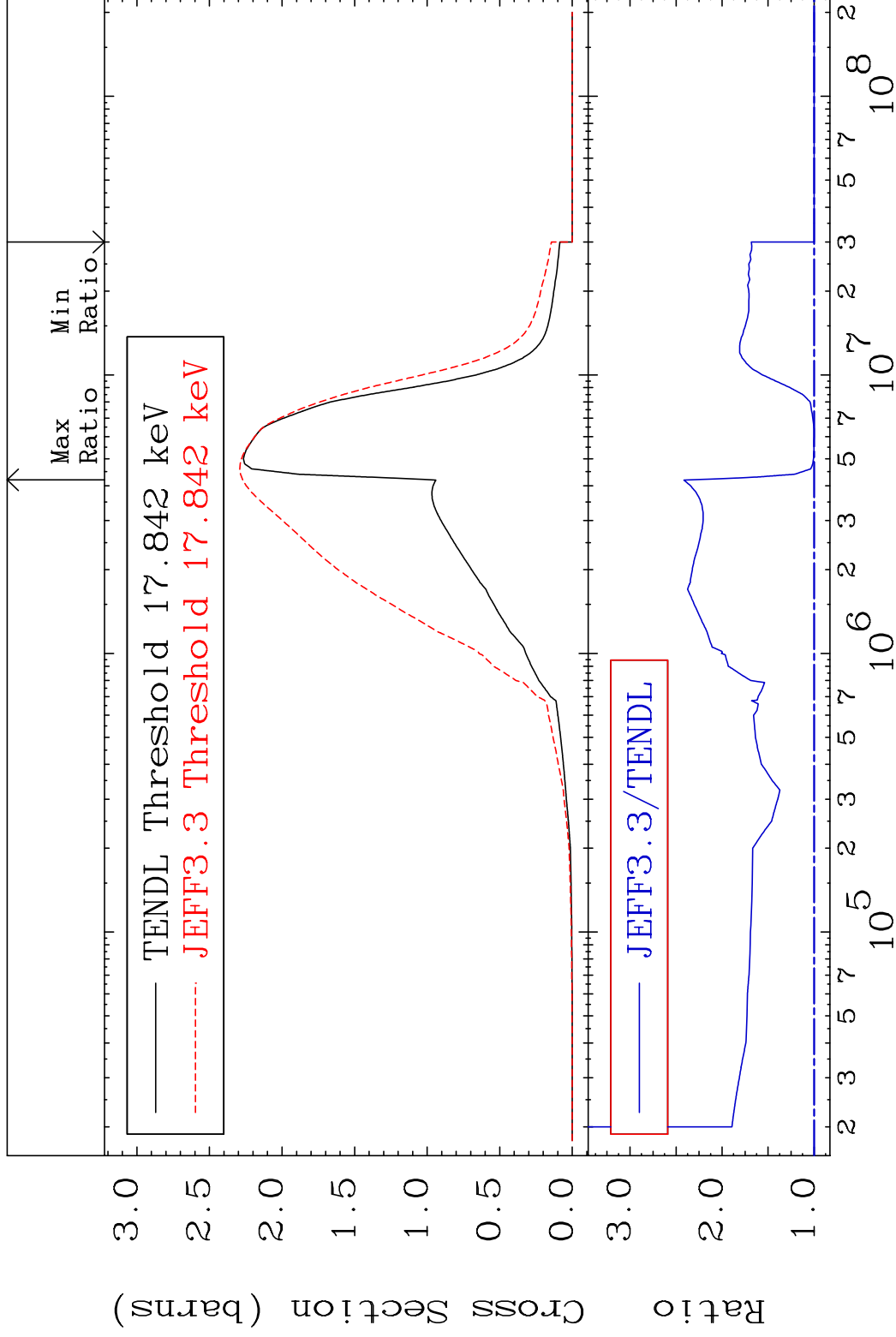


MAT 5140

Inelastic

51-Sb-126

Cross Section 0.000 To 141.7 %



3

Incident Energy (eV)

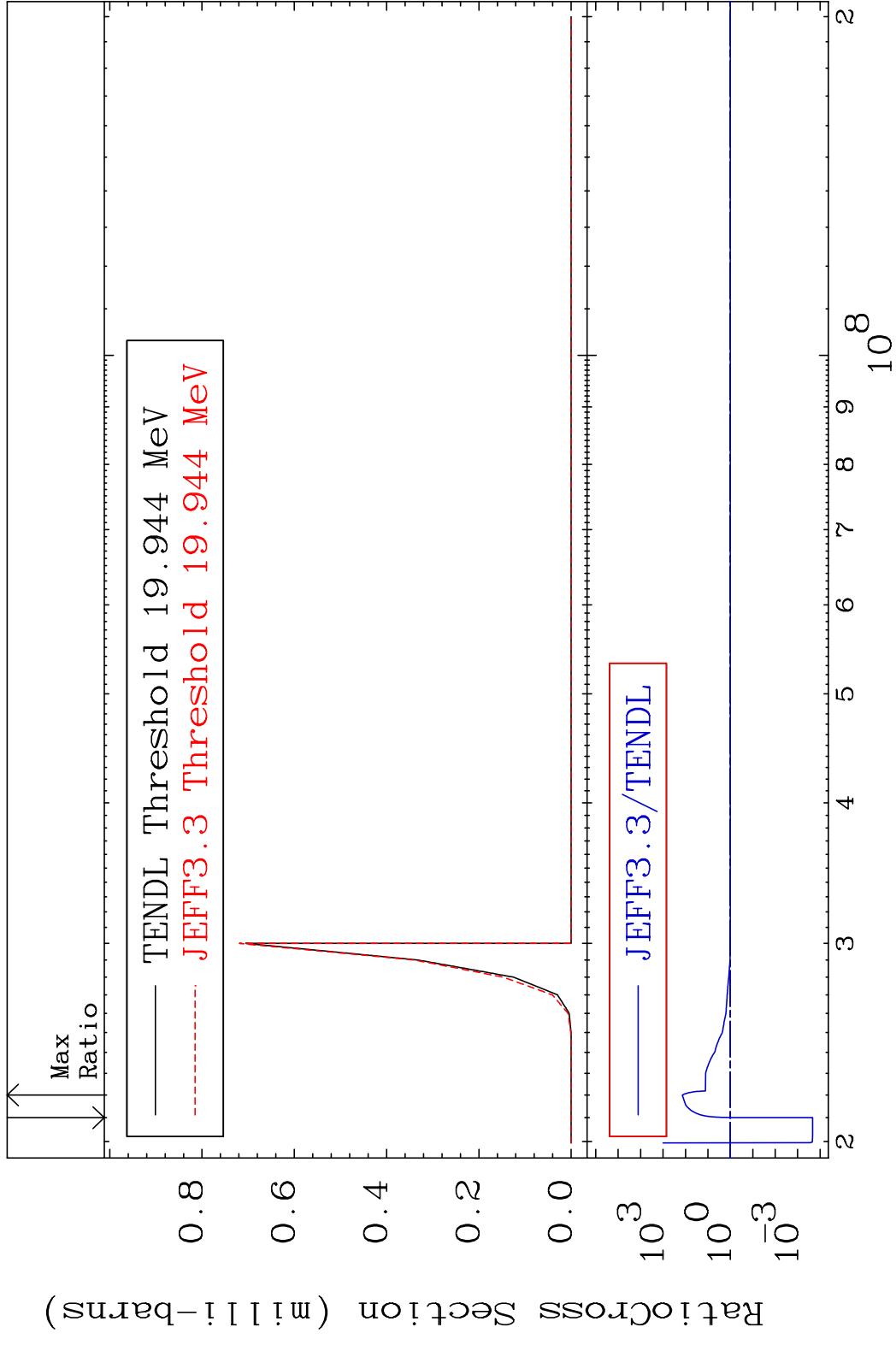
51-Sb-126

MAT 5140

(n,2n) d

51-Sb-126

Cross Section -99.98 To 9999. %

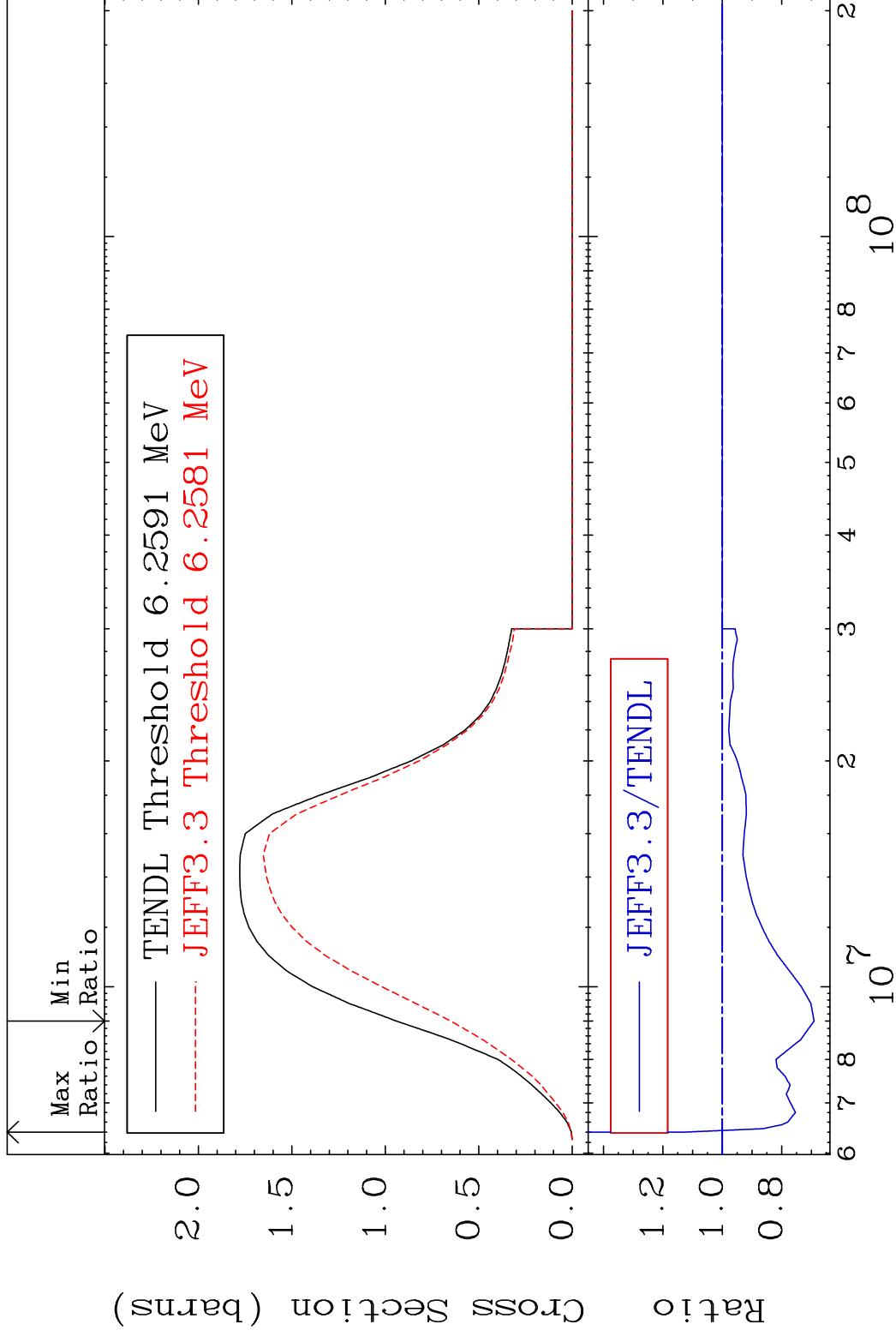


MAT 5140

(n,2n)

51-Sb-126

Cross Section -30.94 To 13.01 %



5

Incident Energy (eV)

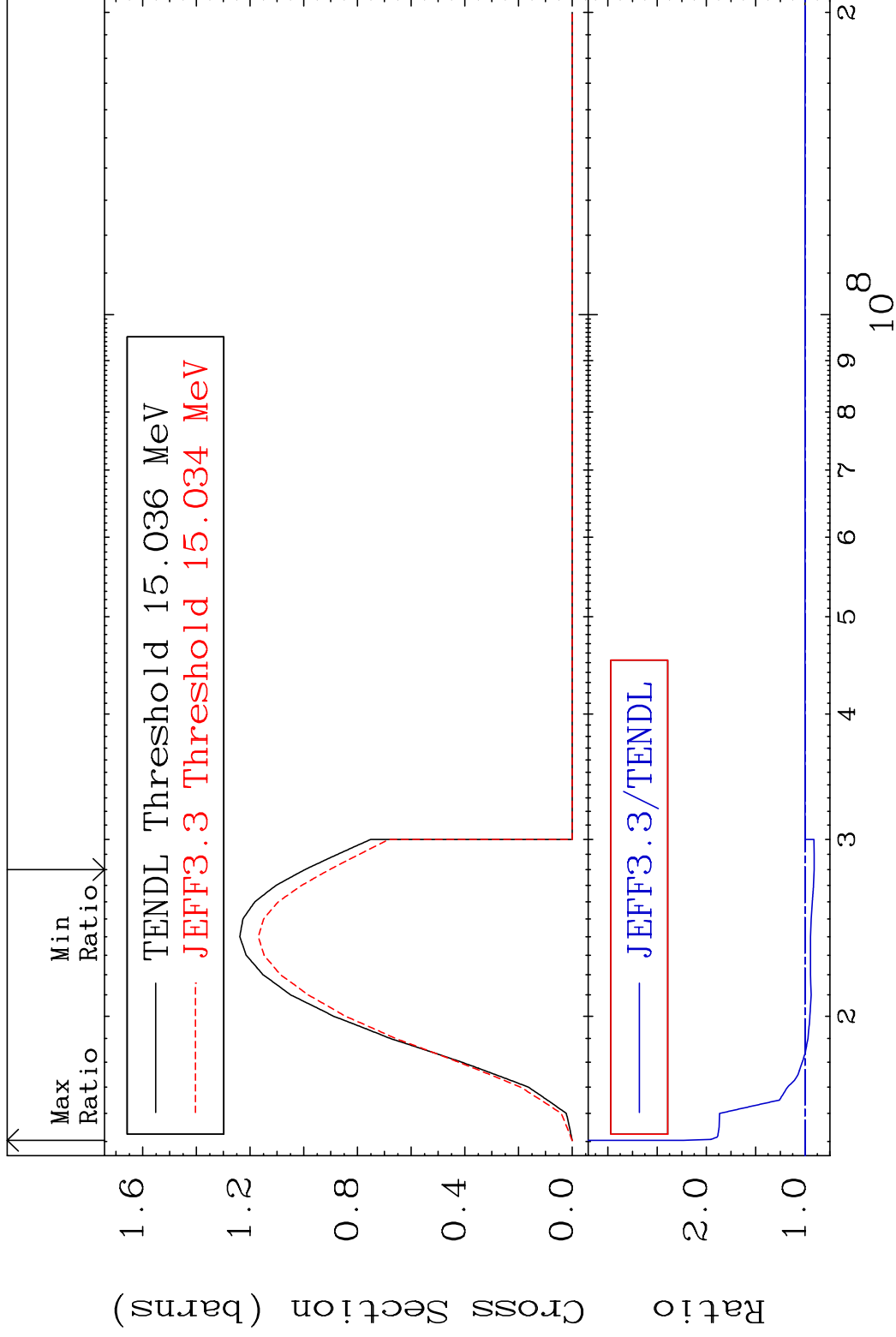
51-Sb-126

MAT 5140

(n,3n)

51-Sb-126

Cross Section -9.217 To 123.1 %



6

Incident Energy (eV)

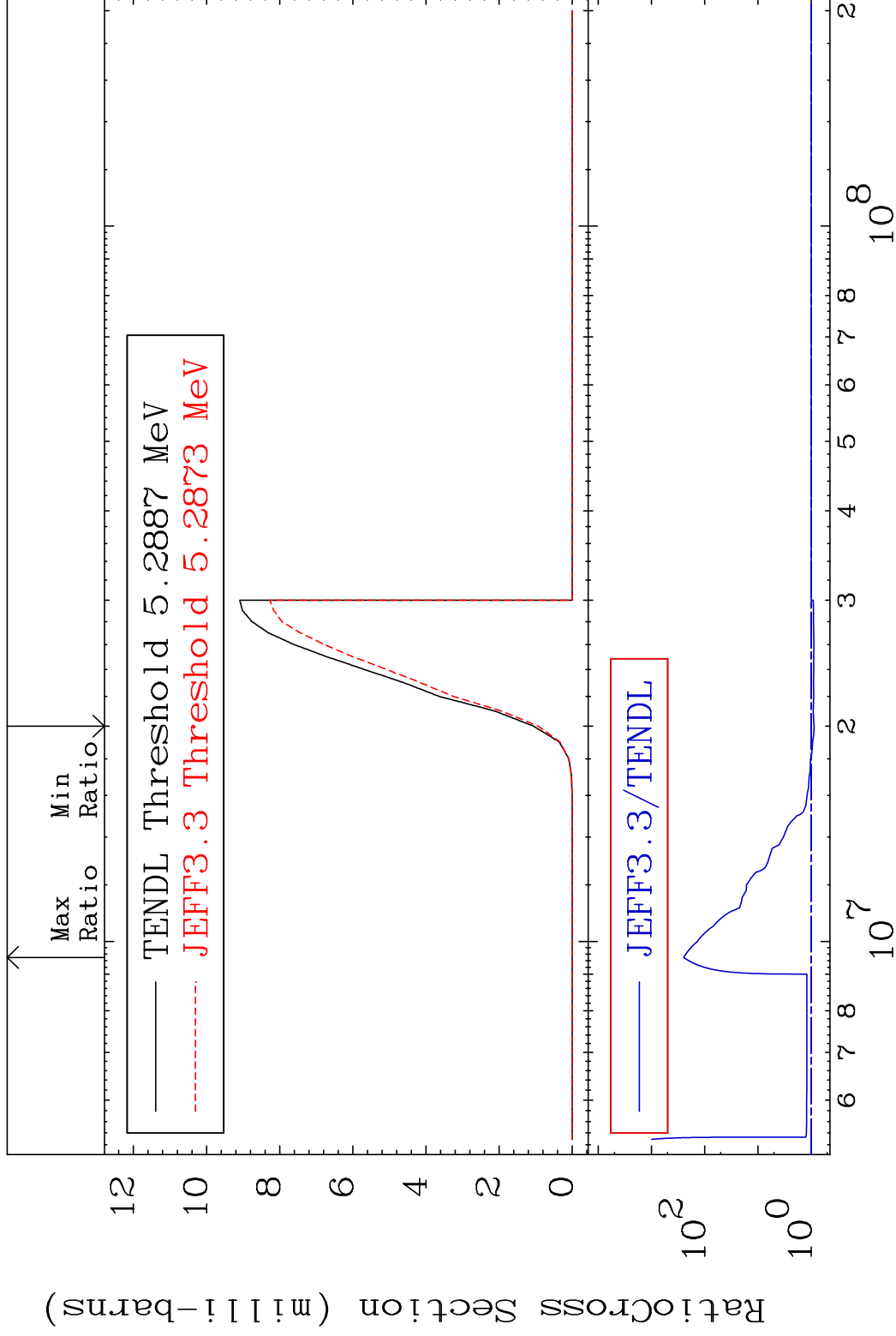
51-Sb-126

MAT 5140

(n, n') α

51-Sb-126

Cross Section -12.09 To 9999. %



7

Incident Energy (eV)

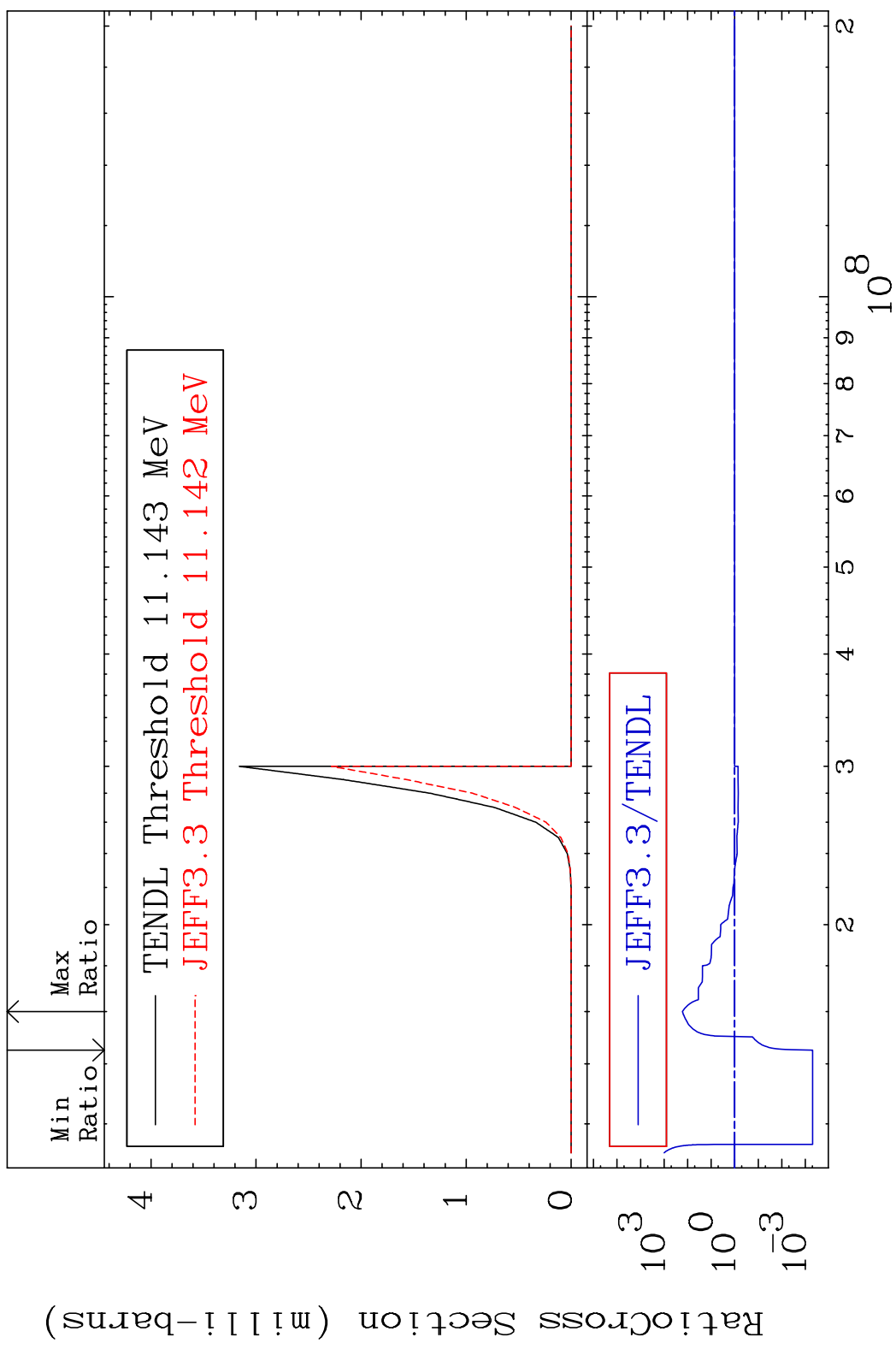
51-Sb-126

MAT 5140

(n,2n) α

51-Sb-126

Cross Section -99.95 To 9999. %



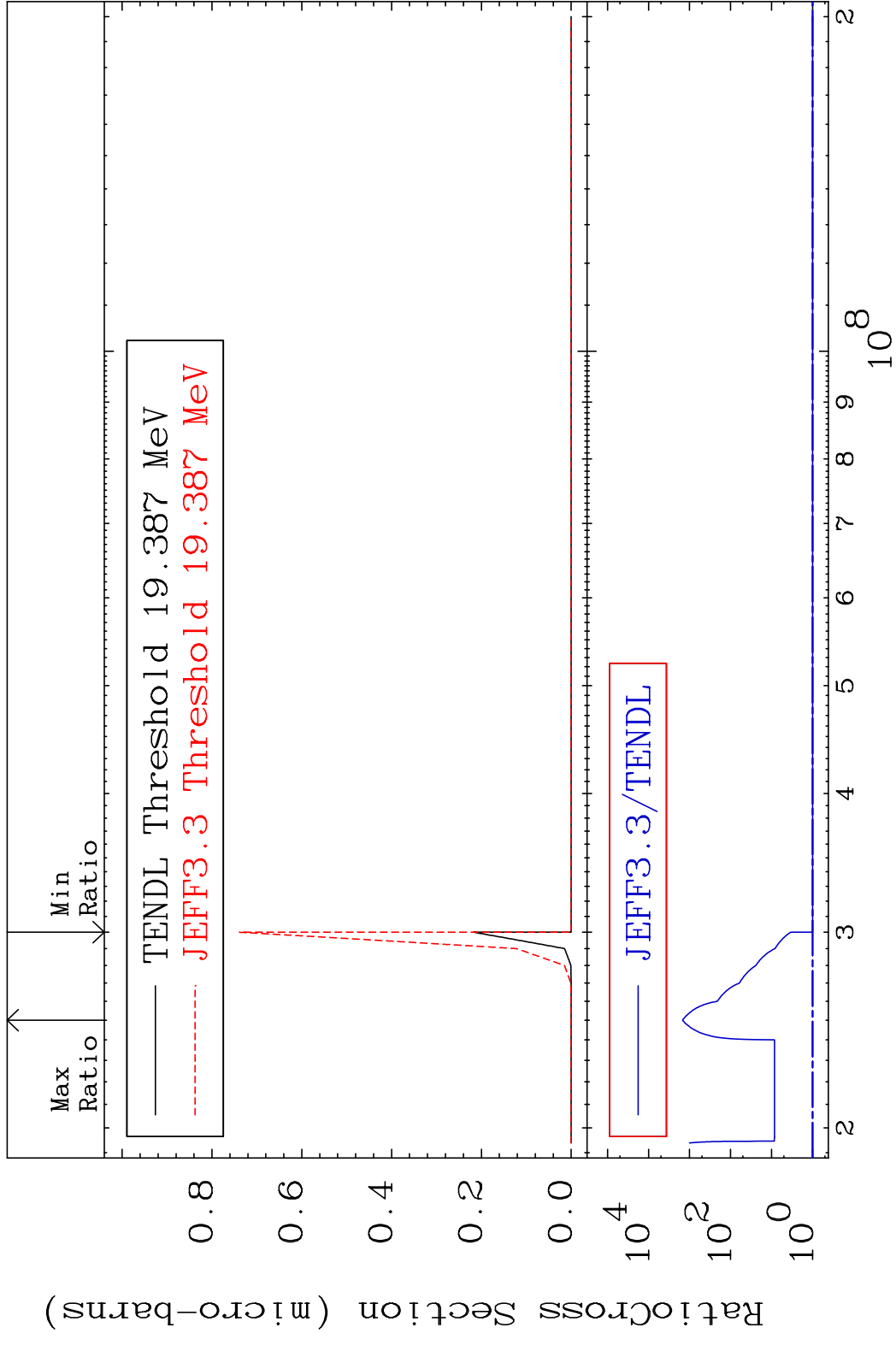
MAT 5140

(n,3n) α

51-Sb-126

Cross Section 0.000

To 9999. %

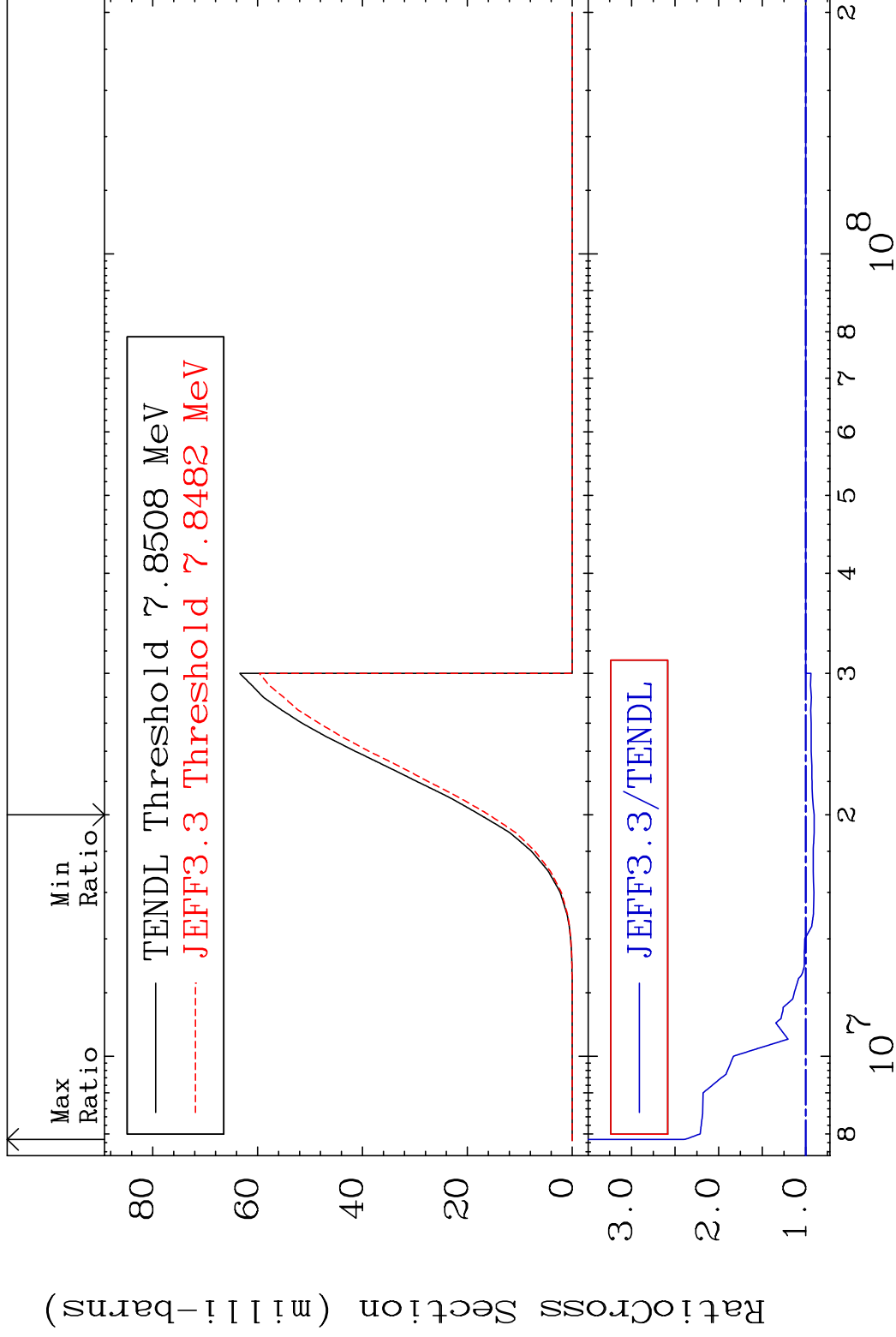


MAT 5140

(n, n') p

51-Sb-126

Cross Section -9.603 To 140.1 %



10

Incident Energy (eV)

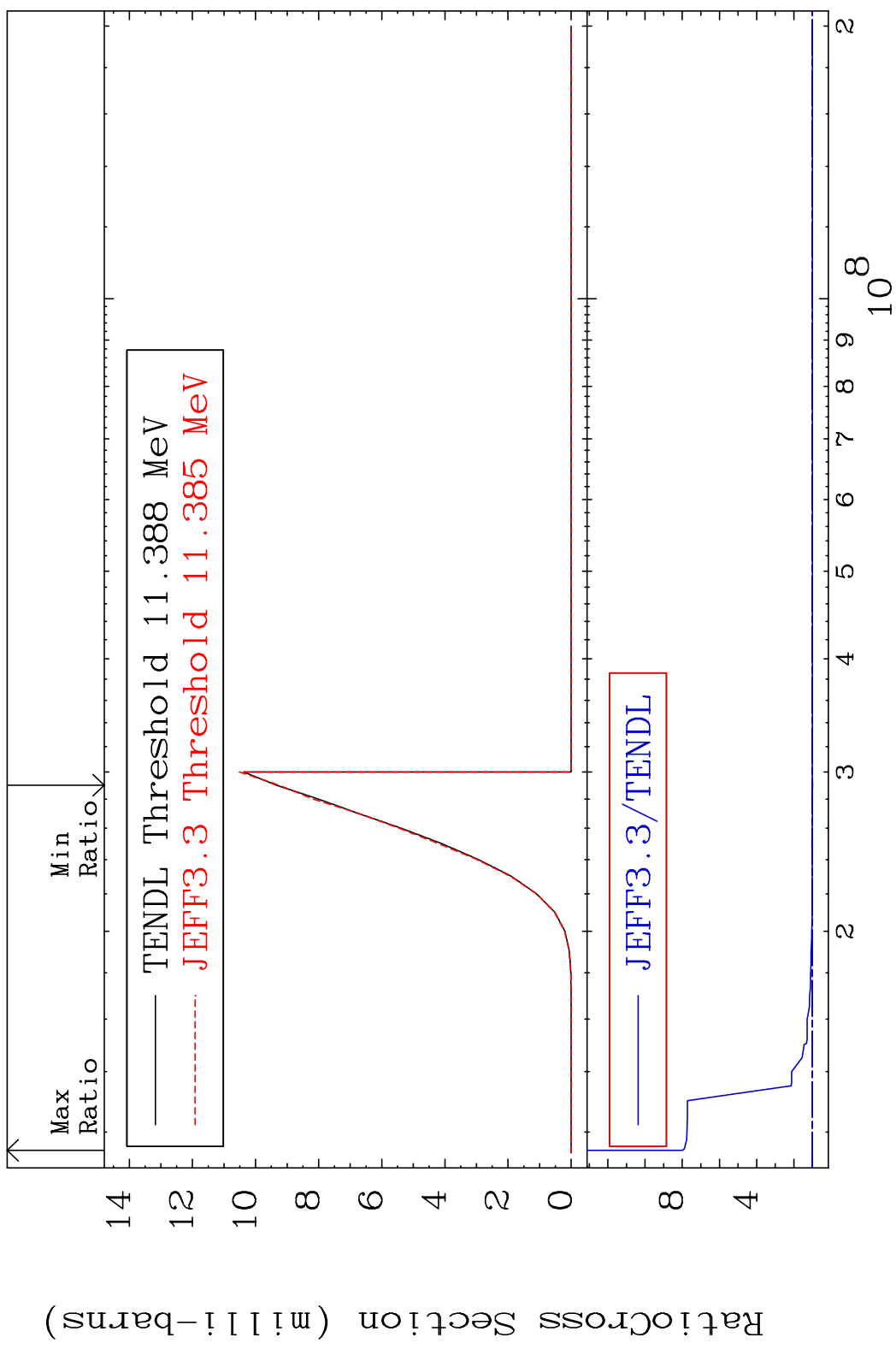
51-Sb-126

MAT 5140

(n, n') d

51-Sb-126

Cross Section -0.888 To 699.6 %

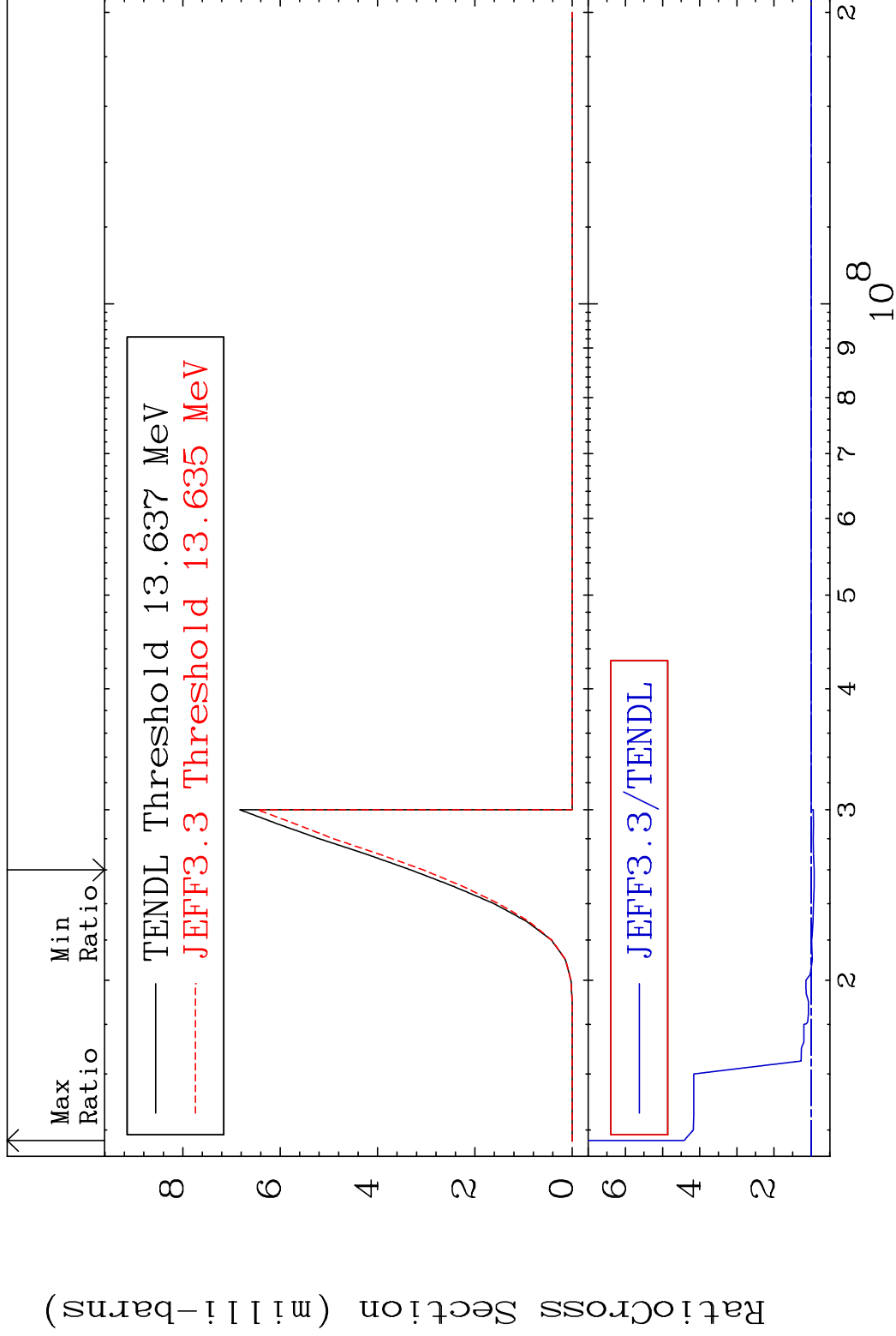


MAT 5140

(n, n') t

51-Sb-126

Cross Section -7.831 To 343.3 %



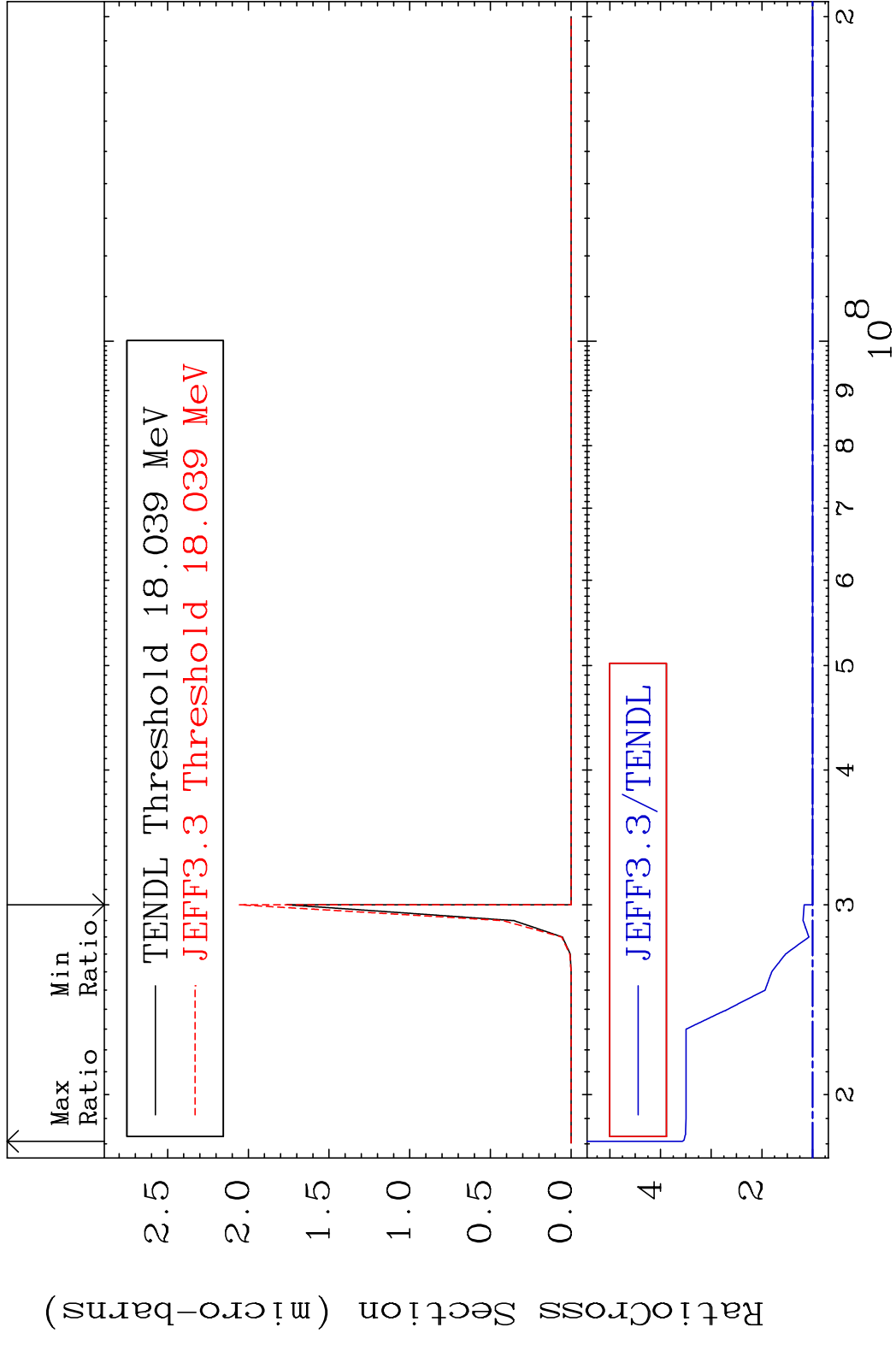
MAT 5140

(n,n') He-3

51-Sb-126

Cross Section 0.000

To 256.9 %

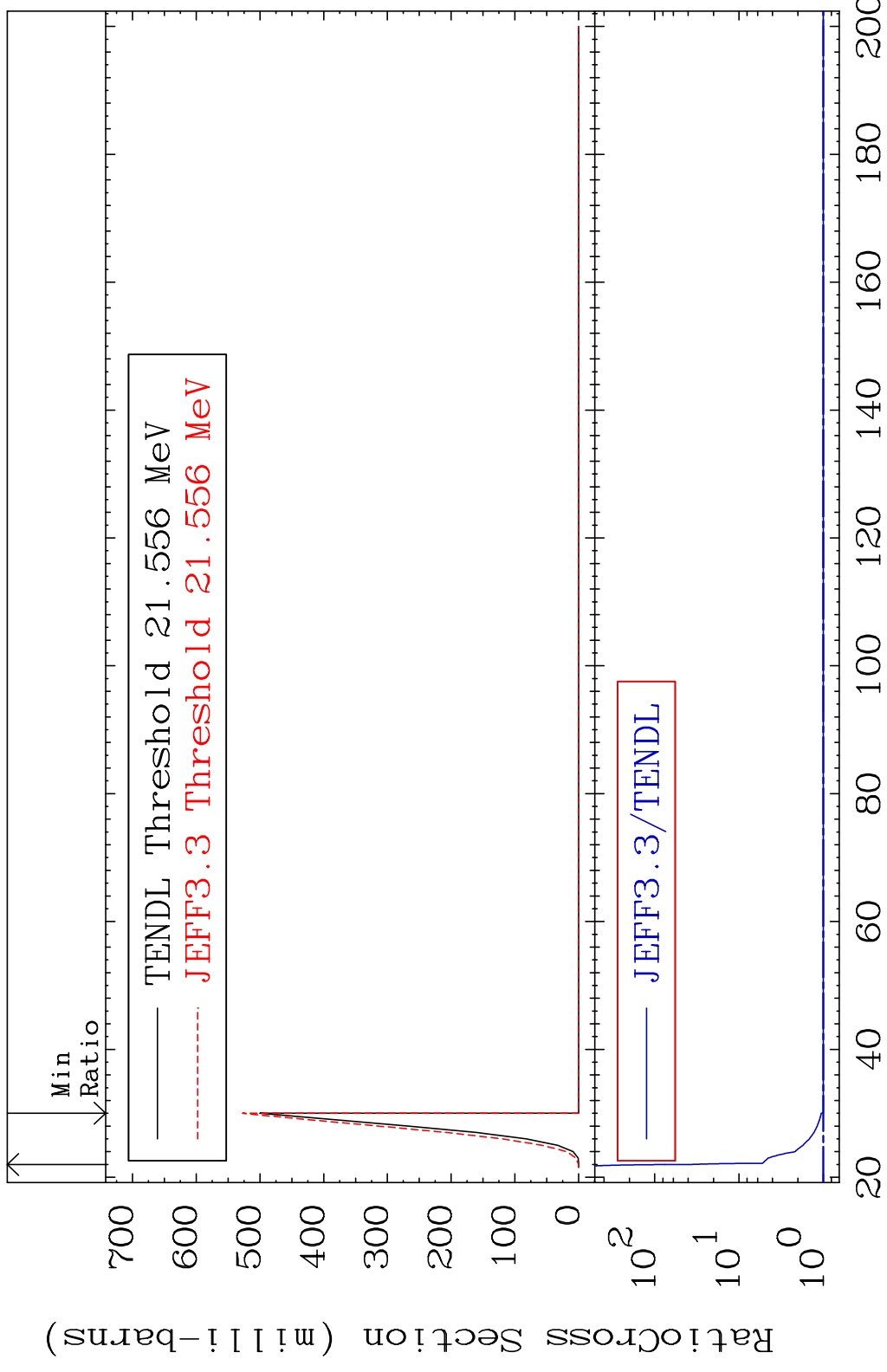


MAT 5140

(n, 4n)

51-Sb-126

Cross Section 0.000 To 3576. %



MAT 5140

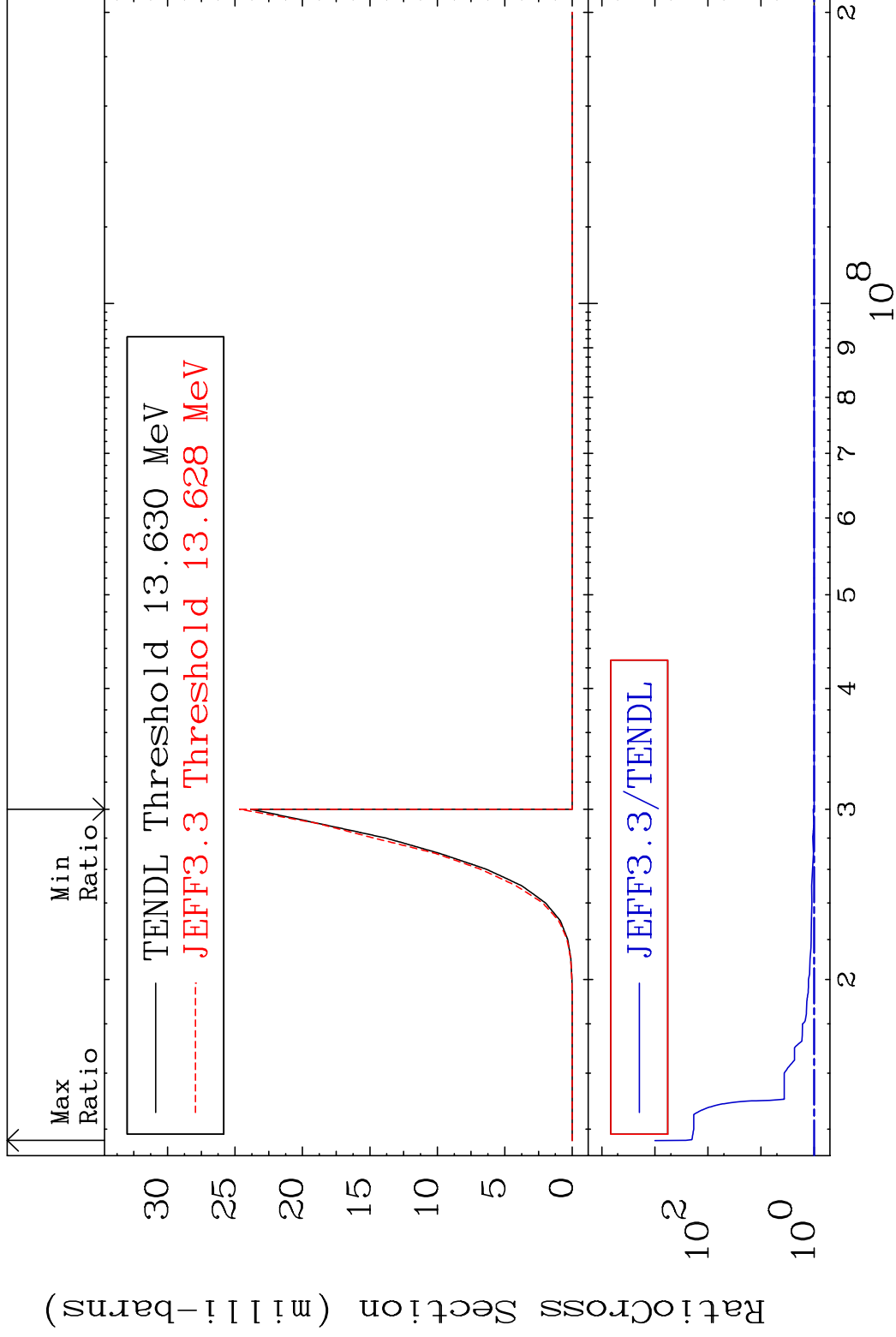
(n,2n) p

51-Sb-126

Cross Section

0.000

To 9999. %



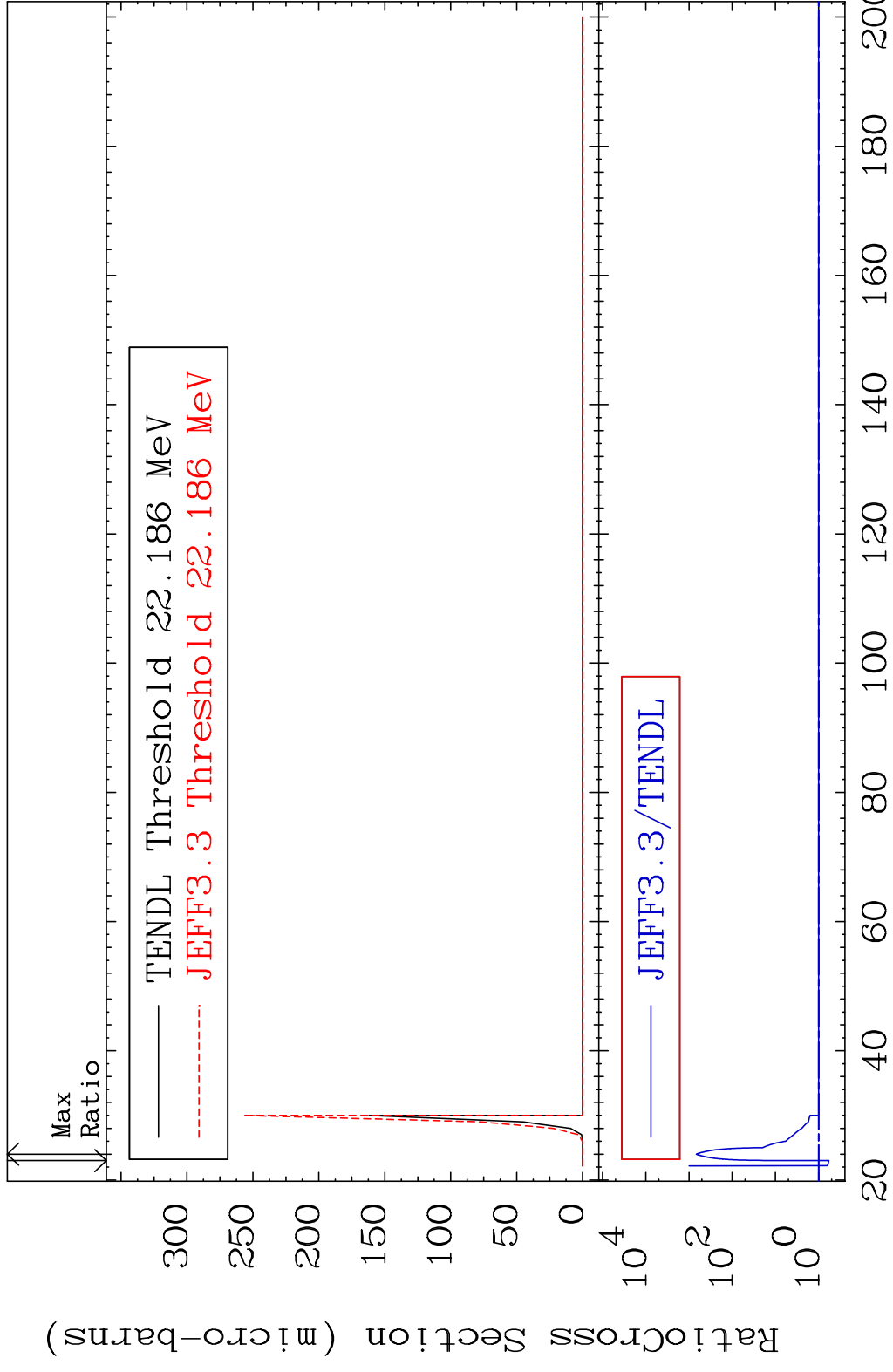
MAT 5140

(n,3n) p

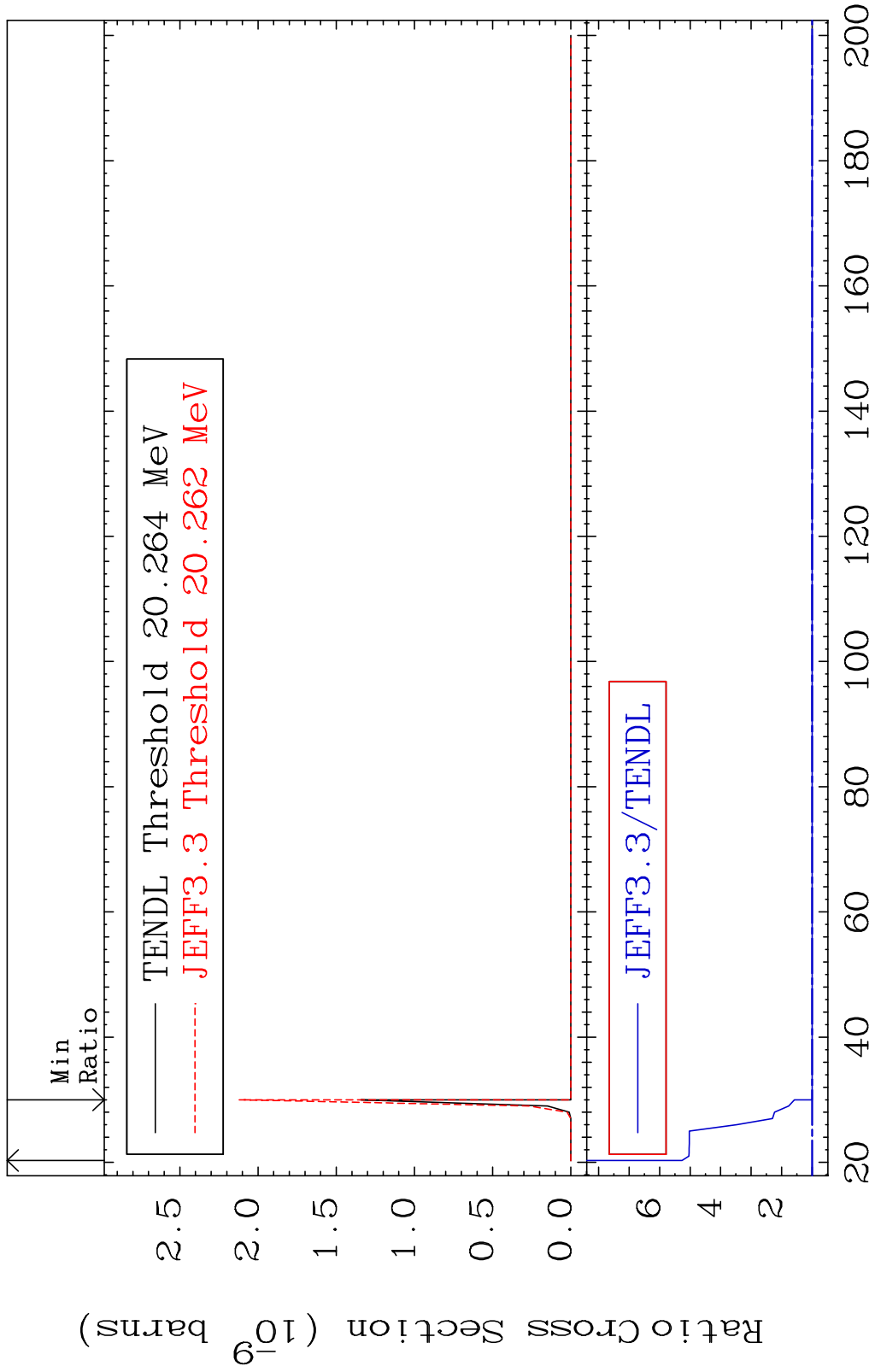
51-Sb-126

Cross Section

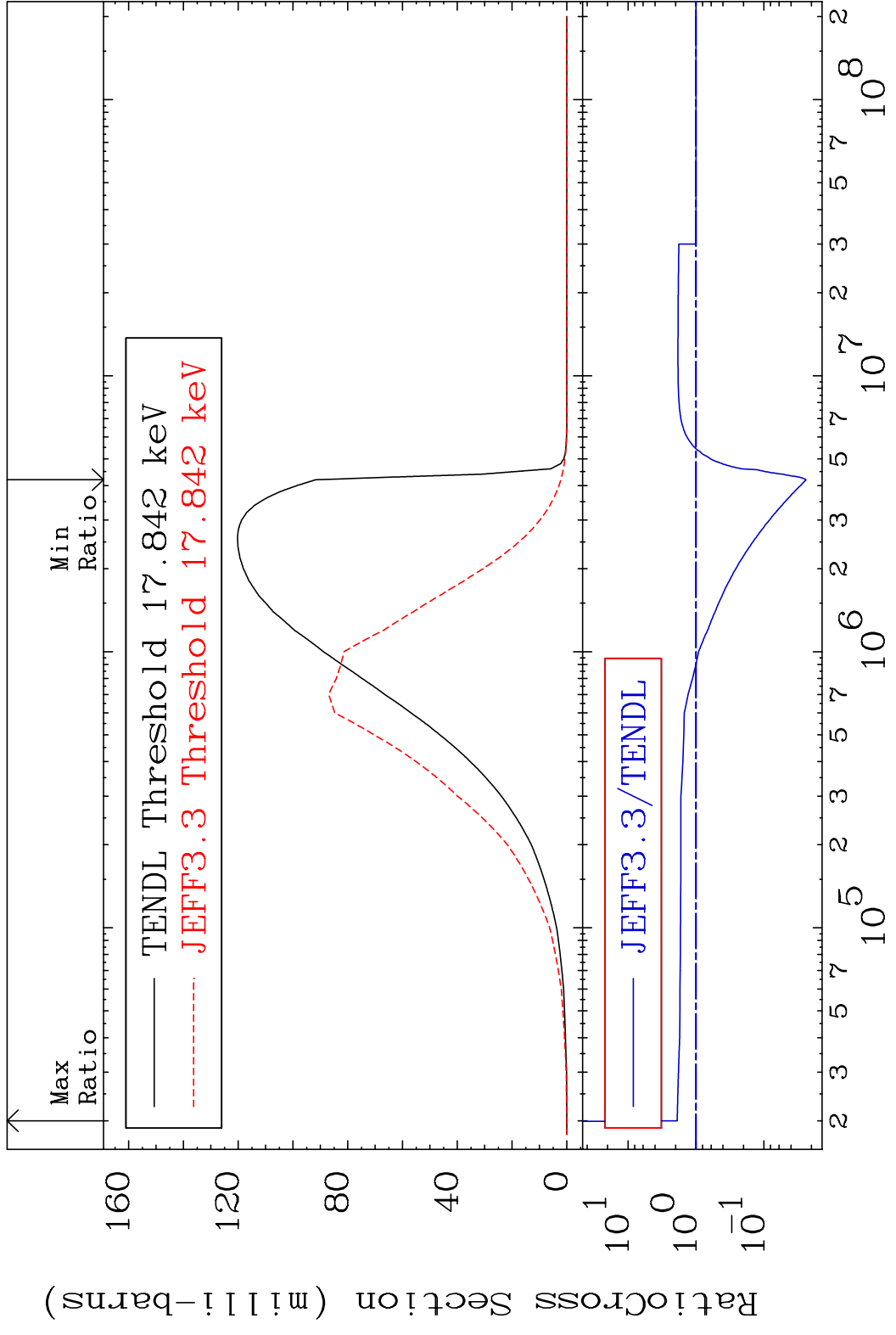
-41.95 To 9999. %



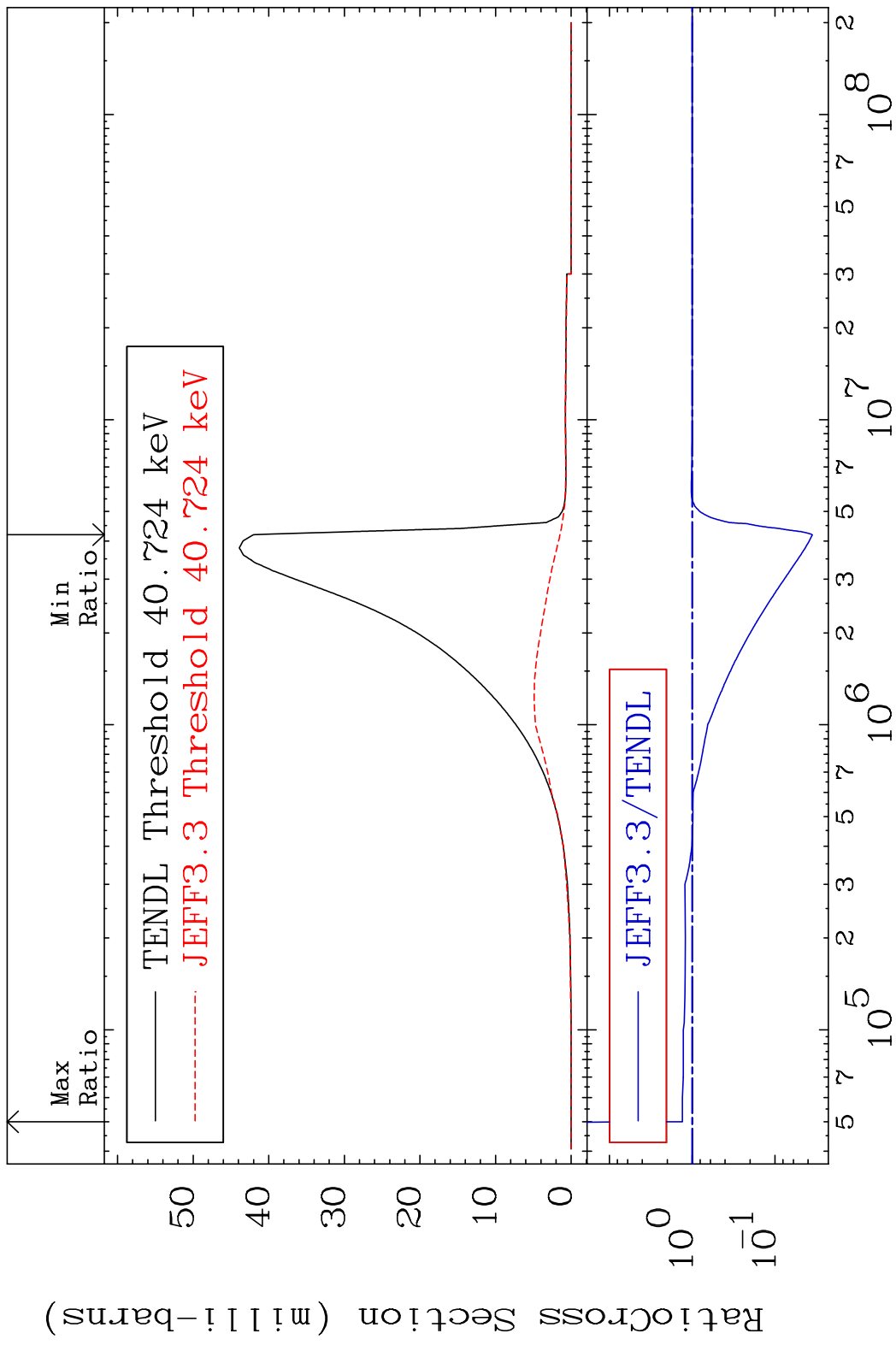
MAT 5140 (n,2n) p 51-Sb-126
 Cross Section 0.000 To 426.8 %



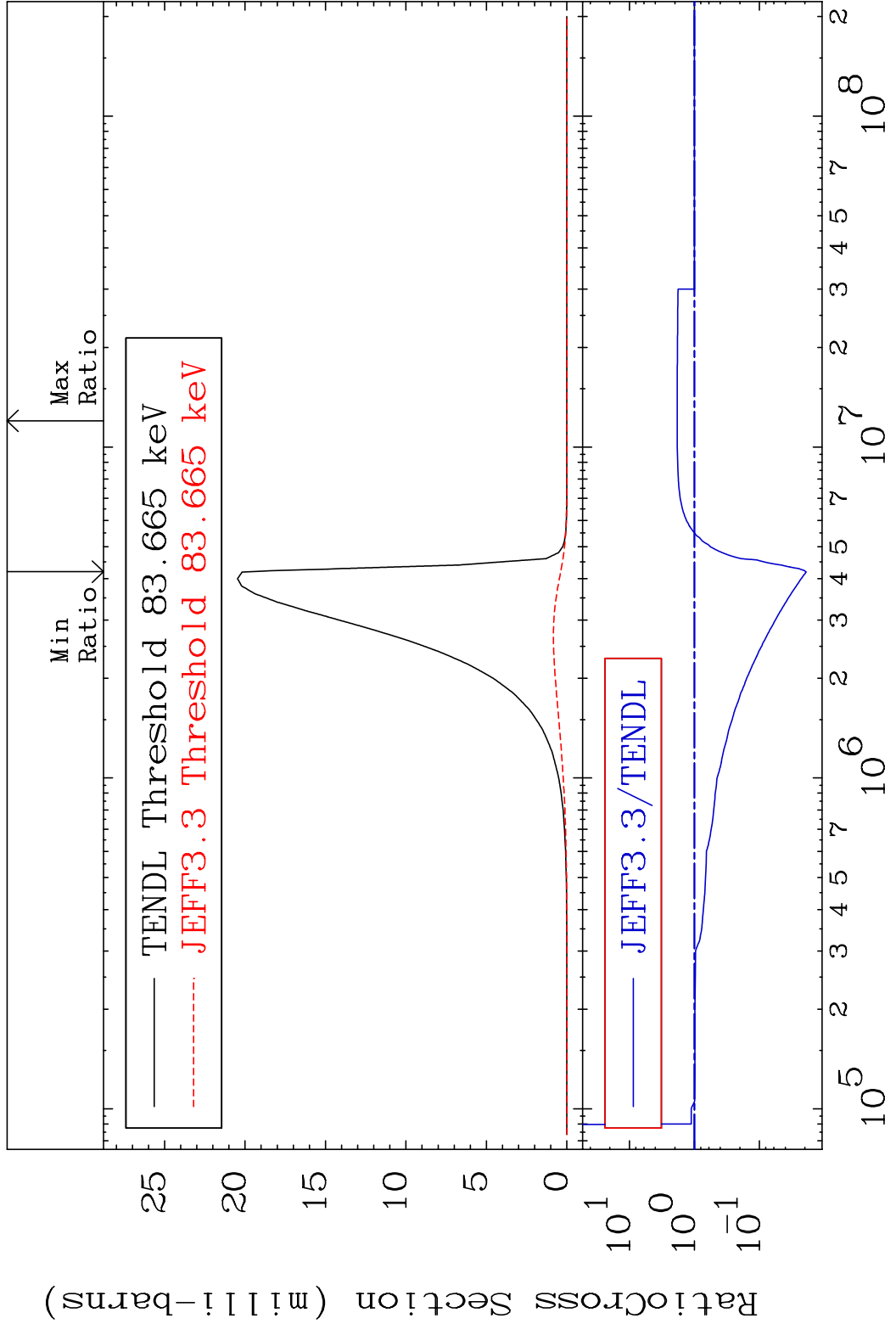
MAT 5140 MT= 51 (n, n') Level 51-Sb-126
 Cross Section -97.63 To 89.29 %



MAT 5140 MT= 52 (n, n') Level 51-Sb-126
 Cross Section -96.48 To 31.42 %

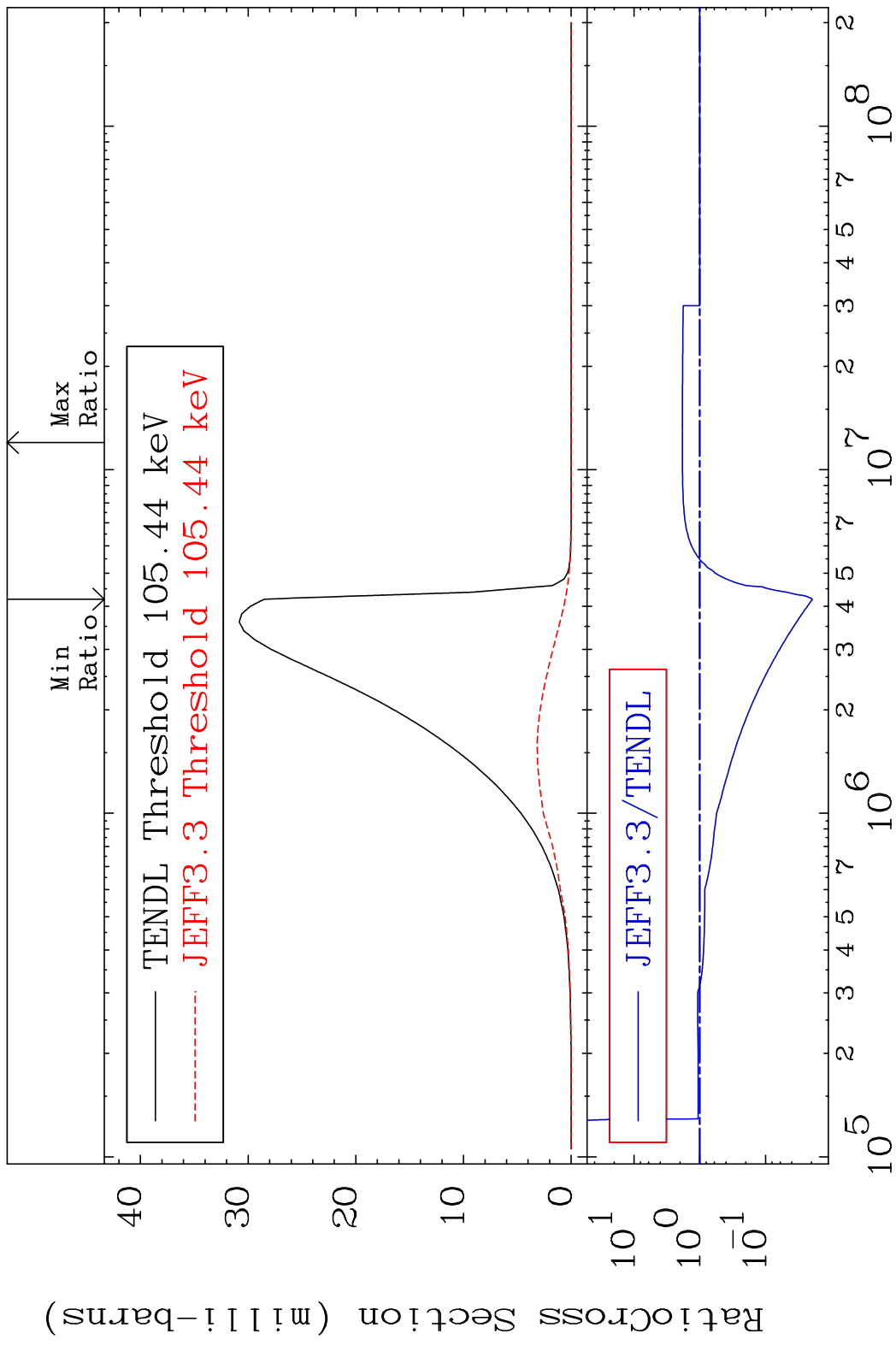


MAT 5140 MT= 53 (n, n') Level 51-Sb-126
 Cross Section -98.10 To 84.33 %

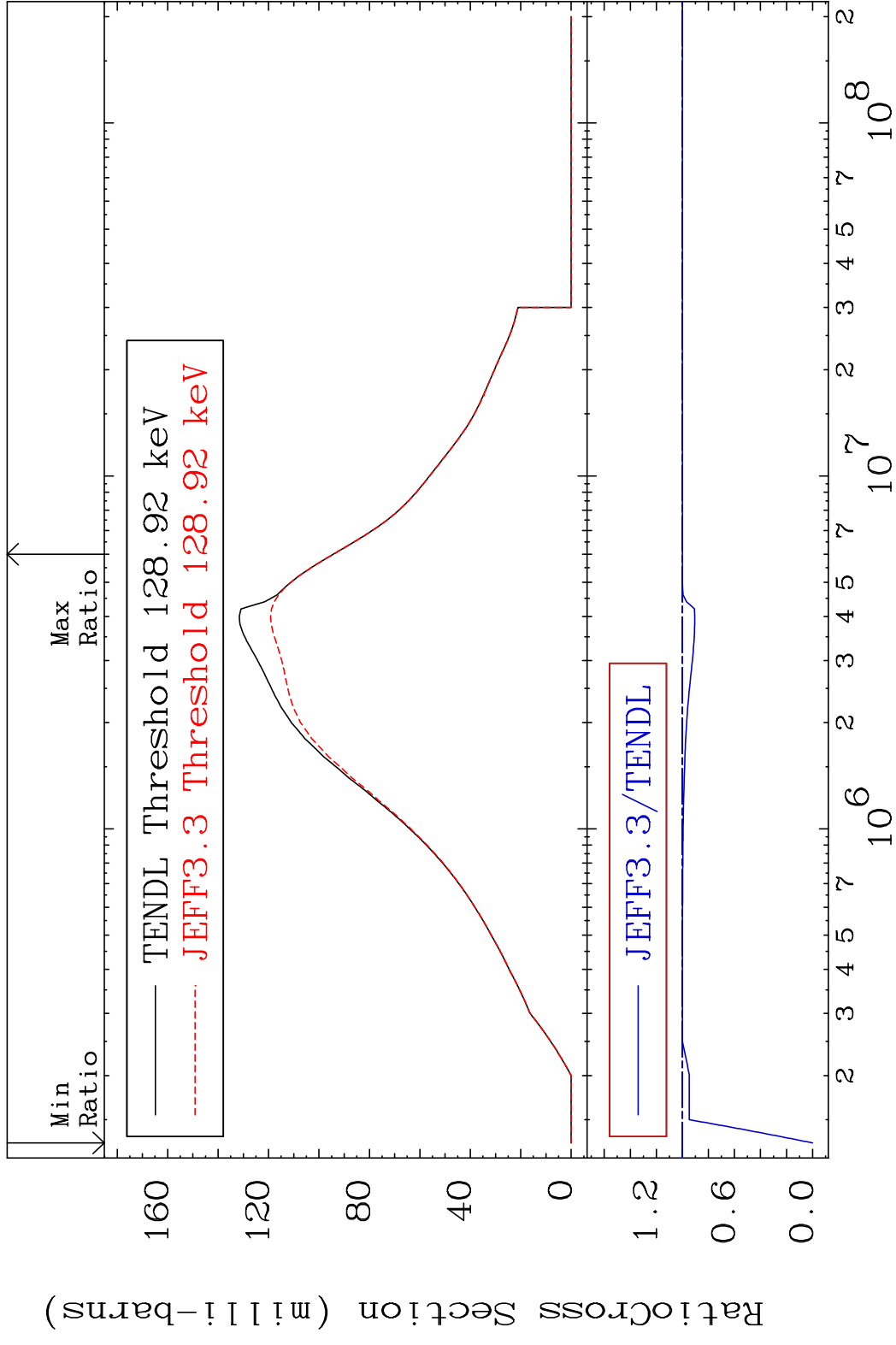


20 Incident Energy (eV) 51-Sb-126

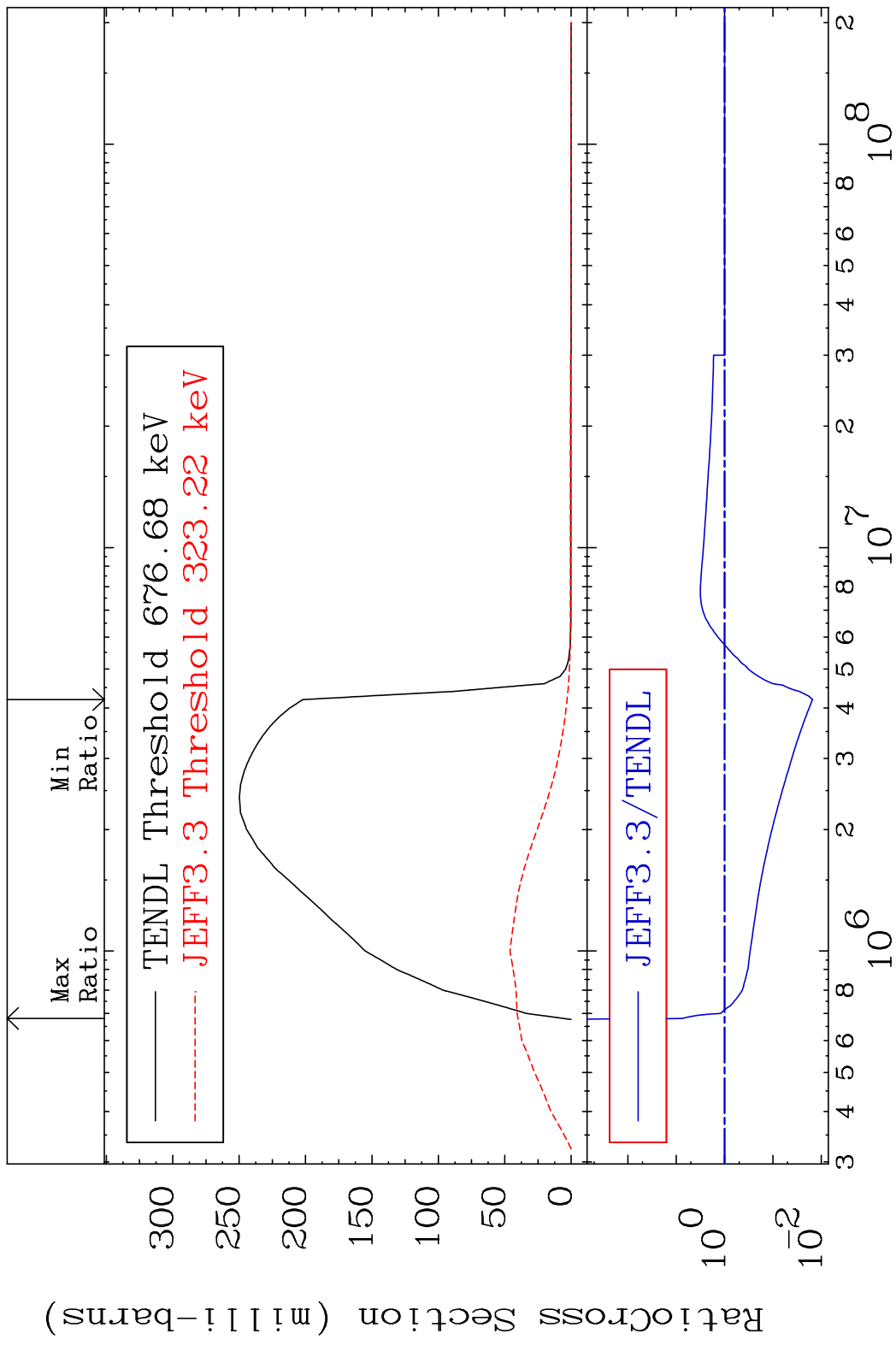
MAT 5140 MT= 54 (n, n') Level 51-Sb-126
 Cross Section -98.07 To 84.31 %



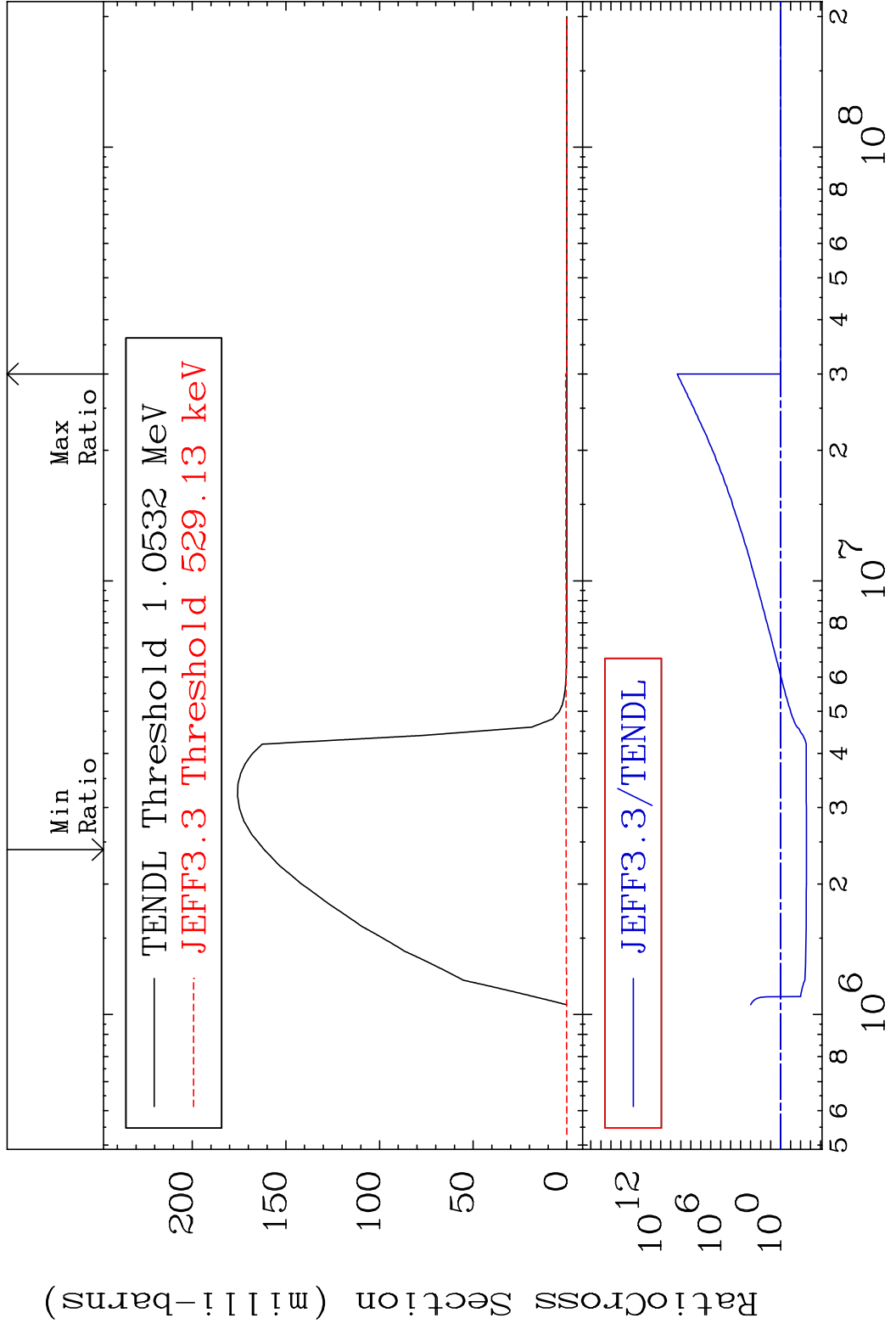
MAT 5140 MT= 55 (n, n') Level 51-Sb-126
 Cross Section -100.0 To 0.007 %



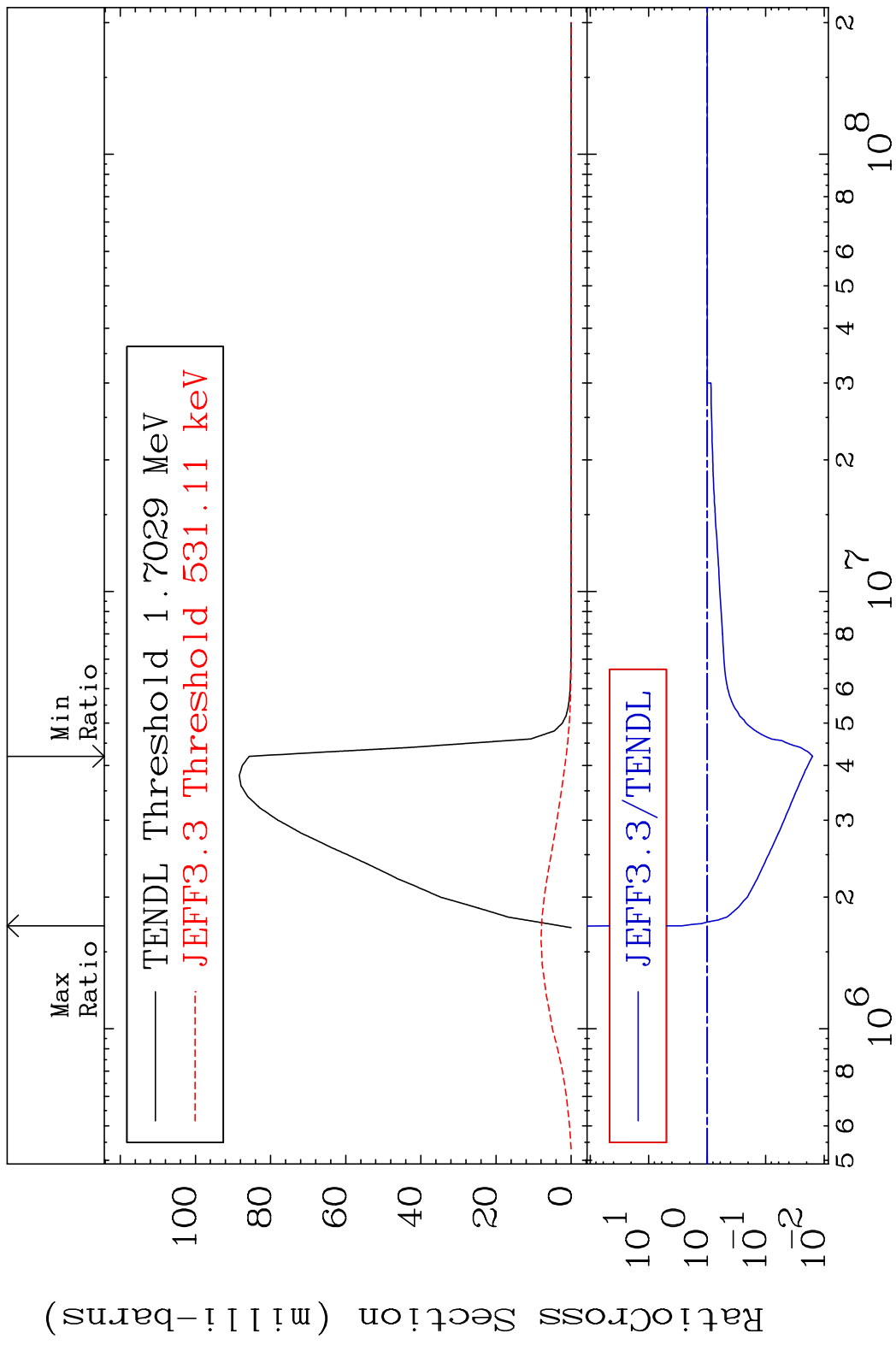
MAT 5140 MT= 56 (n, n') Level 51-Sb-126
 Cross Section -98.48 To 649.3 %



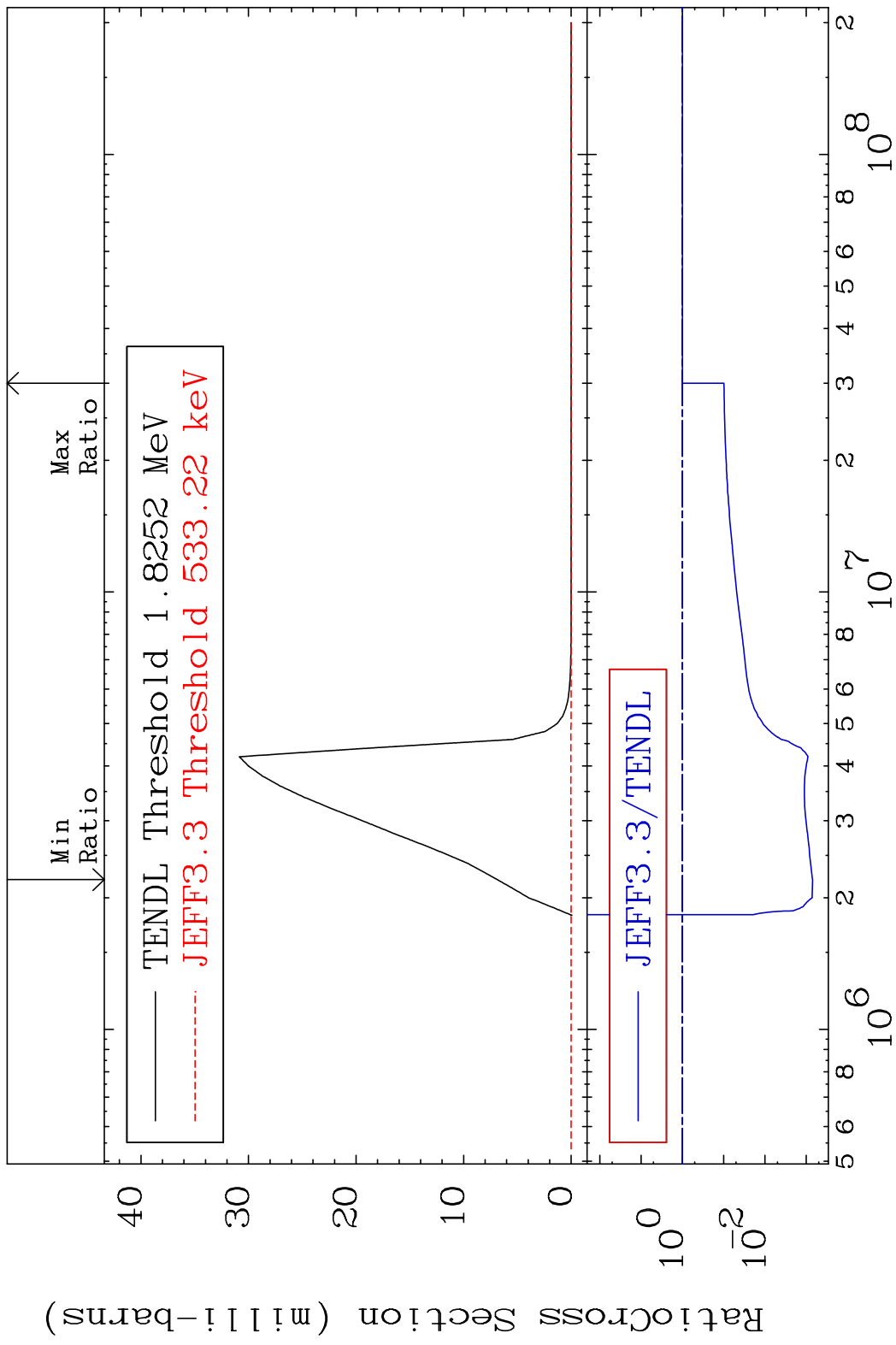
MAT 5140 MT= 57 (n, n') Level 51-Sb-126
 Cross Section -99.74 To 9999. %



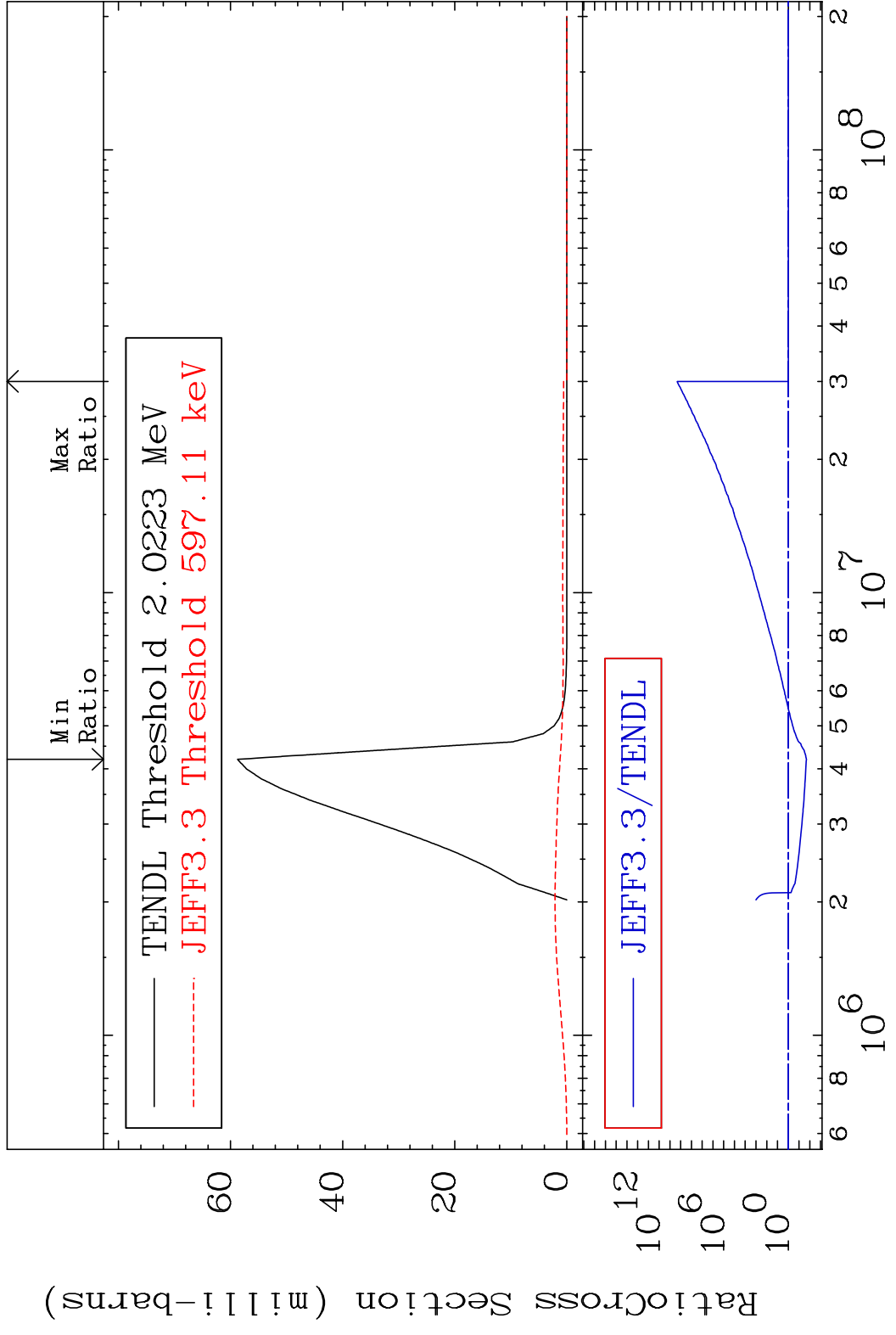
MAT 5140 MT= 58 (n,n') Level 51-Sb-126
 Cross Section -98.42 To 165.9 %



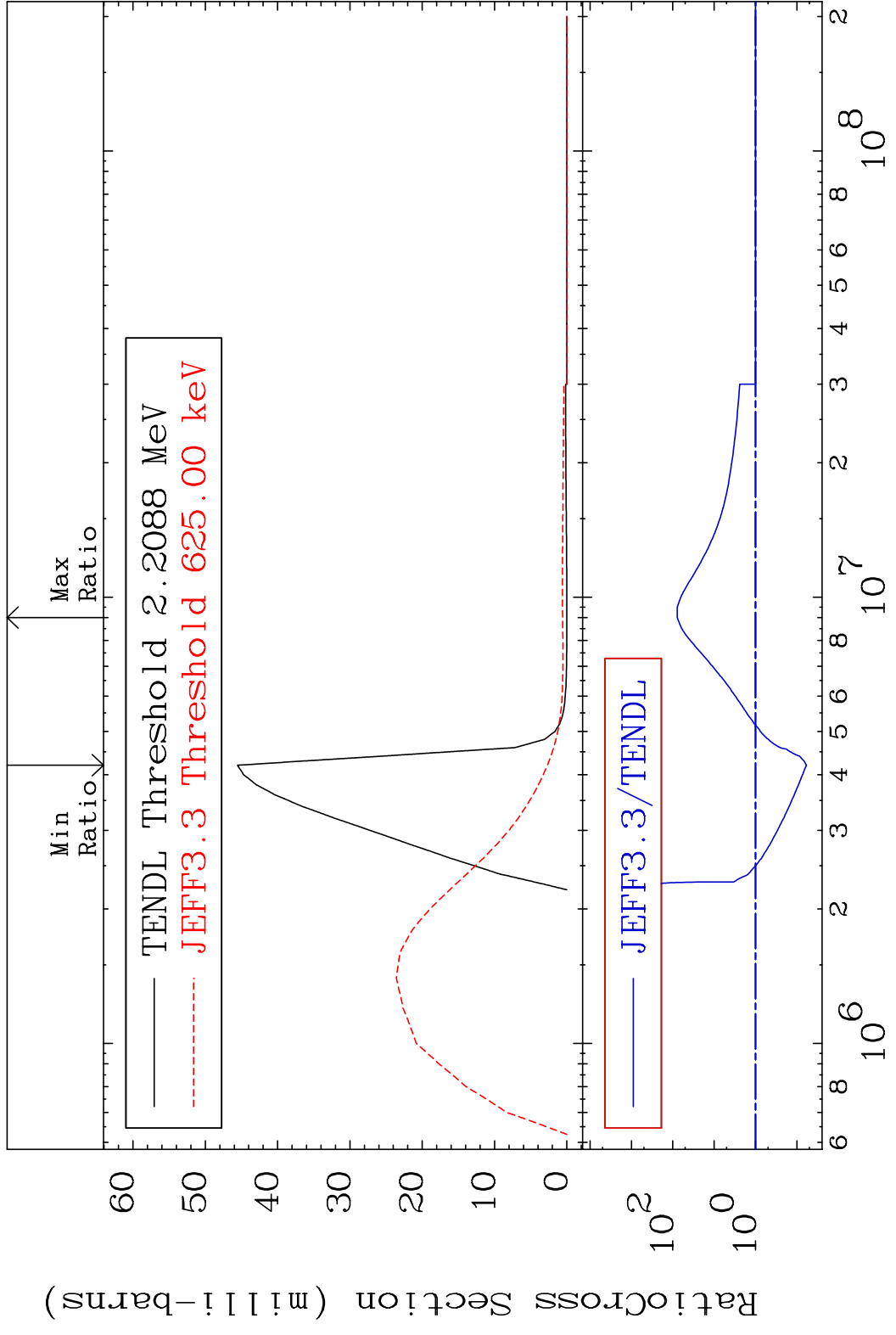
MAT 5140 MT= 59 (n, n') Level 51-Sb-126
 Cross Section -99.93 To 0.000 %



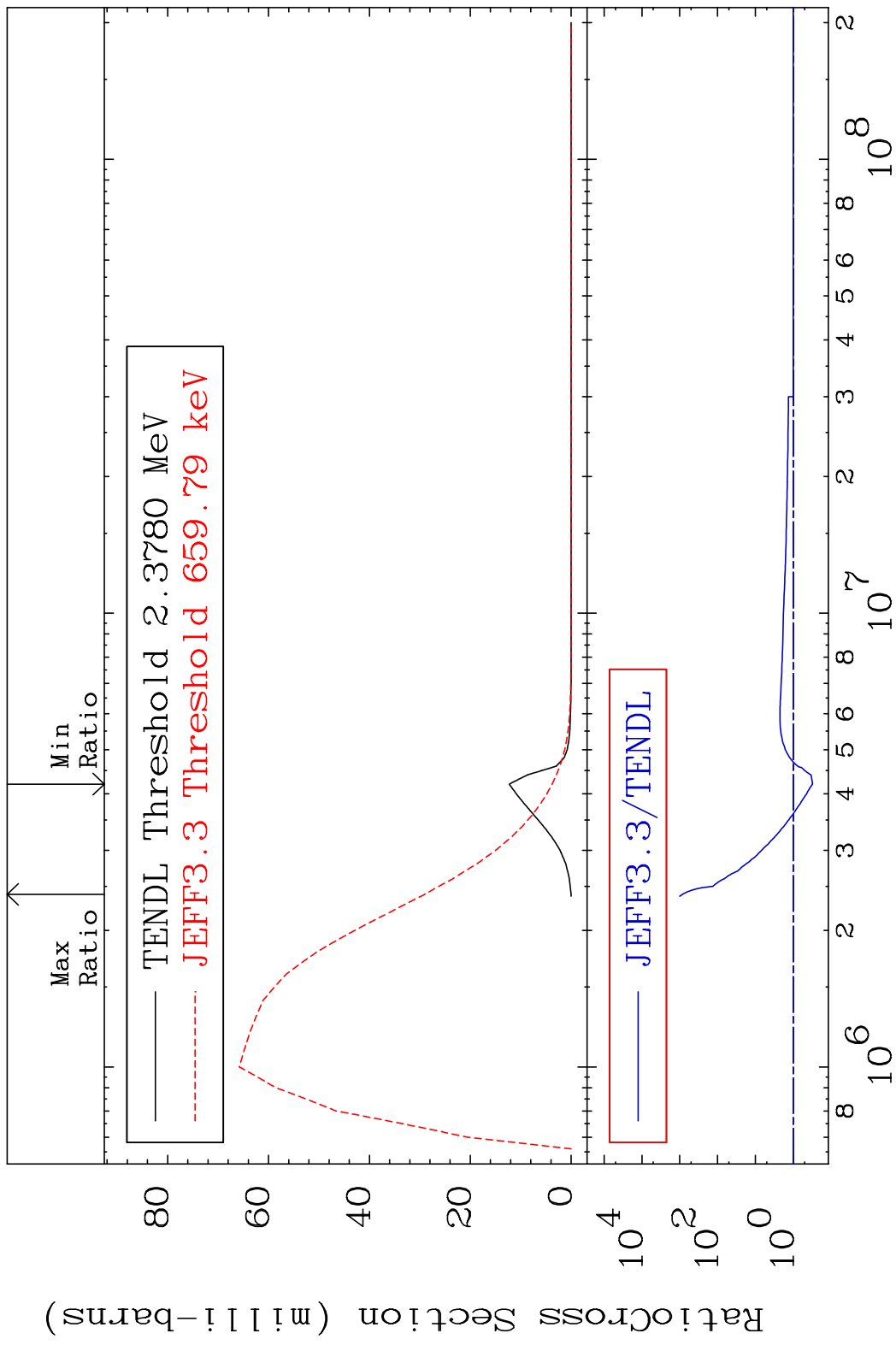
MAT 5140 MT= 60 (n, n') Level 51-Sb-126
 Cross Section -97.95 To 9999. %



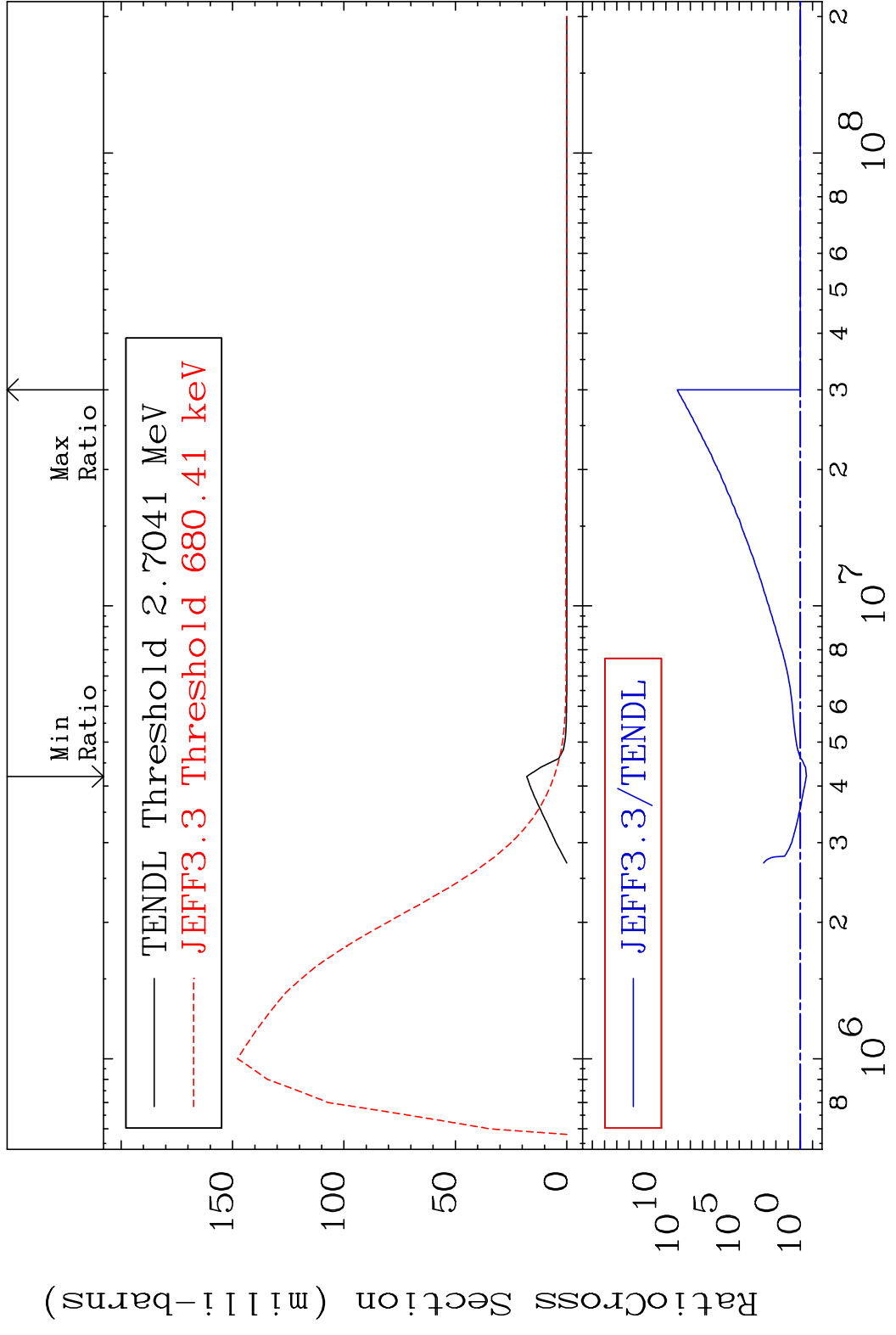
MAT 5140 MT= 61 (n, n') Level 51-Sb-126
 Cross Section -94.10 To 7733. %



MAT 5140 MT= 62 (n, n') Level 51-Sb-126
 Cross Section -69.31 To 9999. %



MAT 5140 MT= 63 (n, n') Level 51-Sb-126
 Cross Section -68.38 To 9999. %

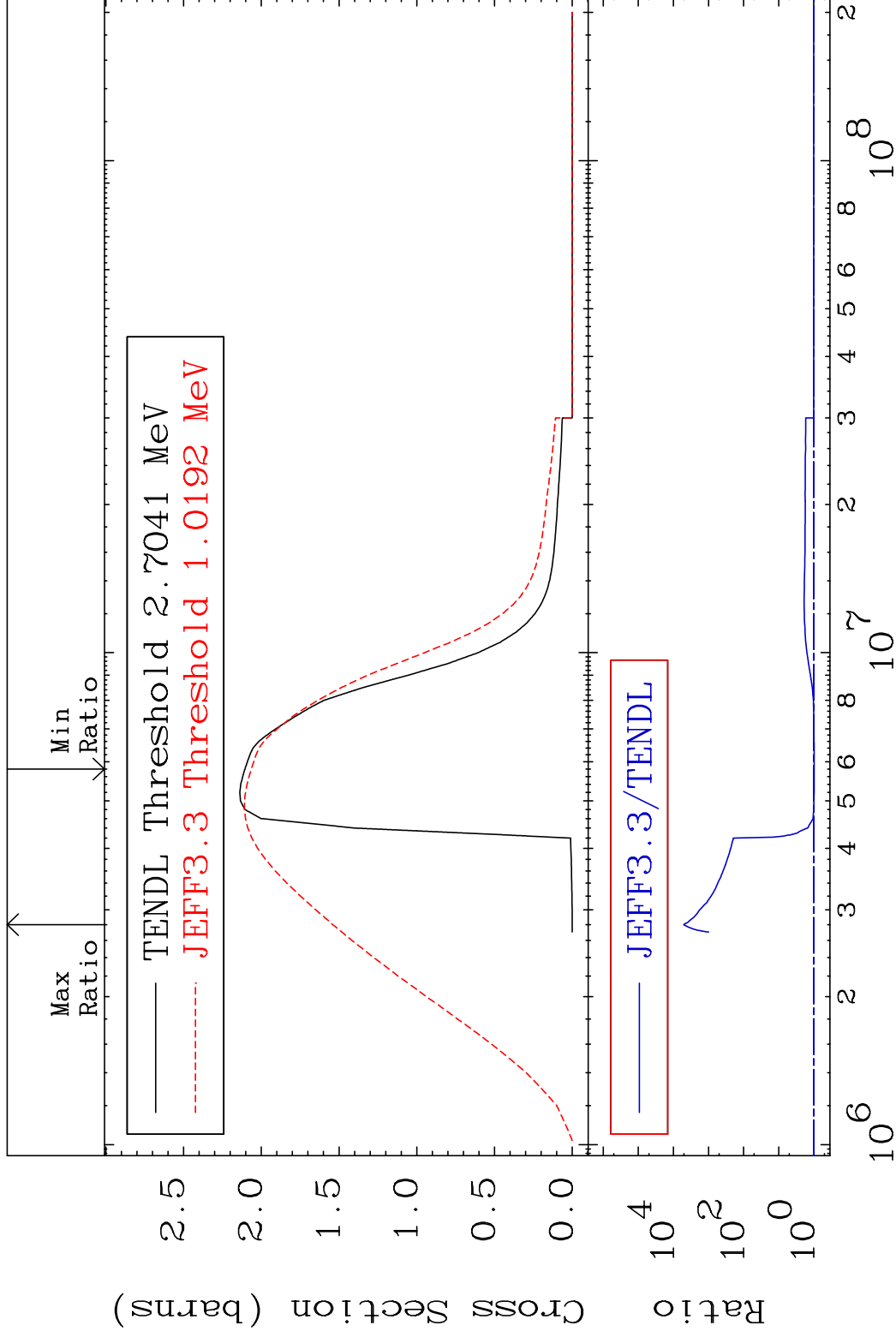


MAT 5140

(n, n') Continuum

51-Sb-126

Cross Section -1.968 To 9999. %



31

Incident Energy (eV)

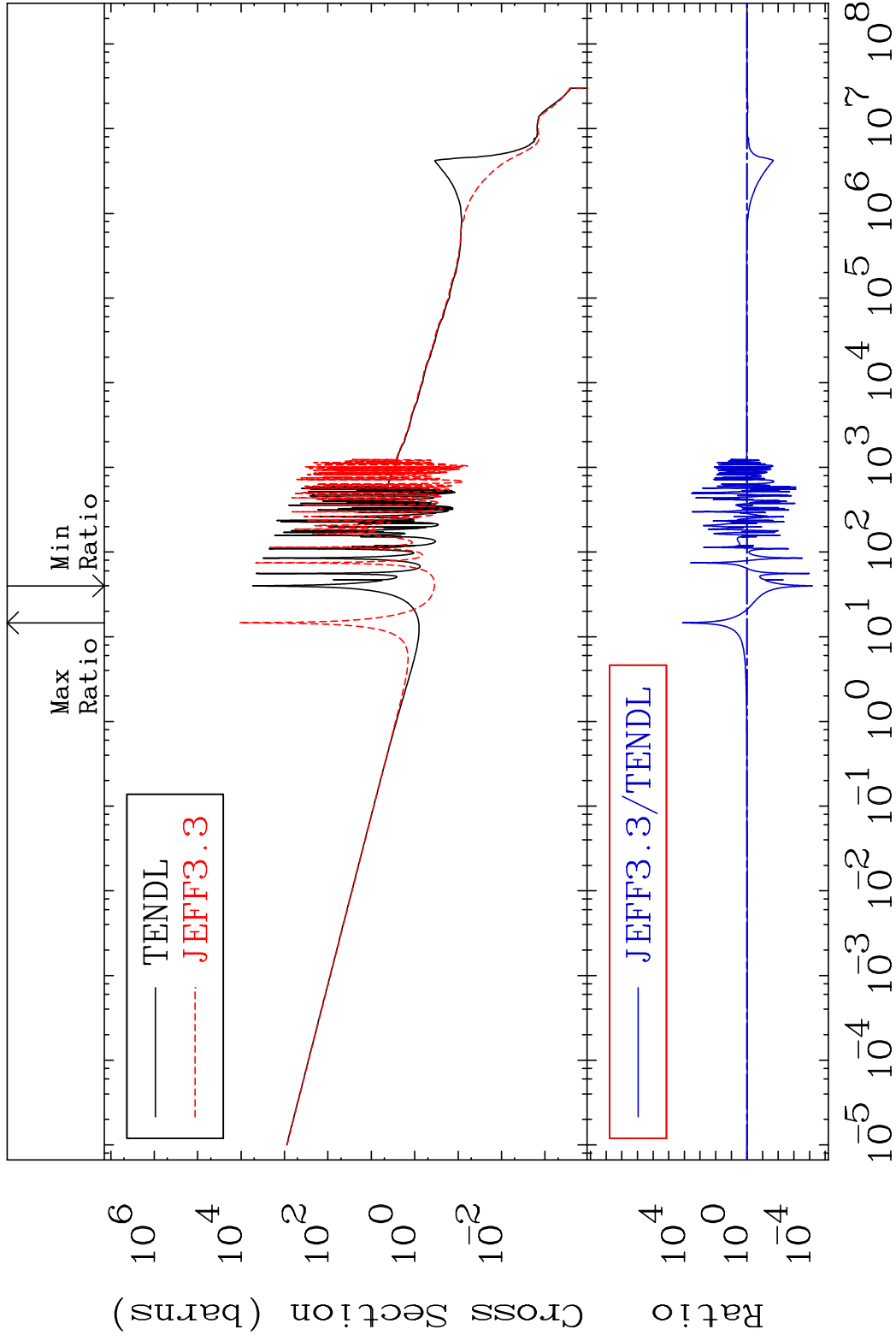
51-Sb-126

MAT 5140

(n, γ)

51-Sb-126

Cross Section -99.99 To 9999. %



32

Incident Energy (eV)

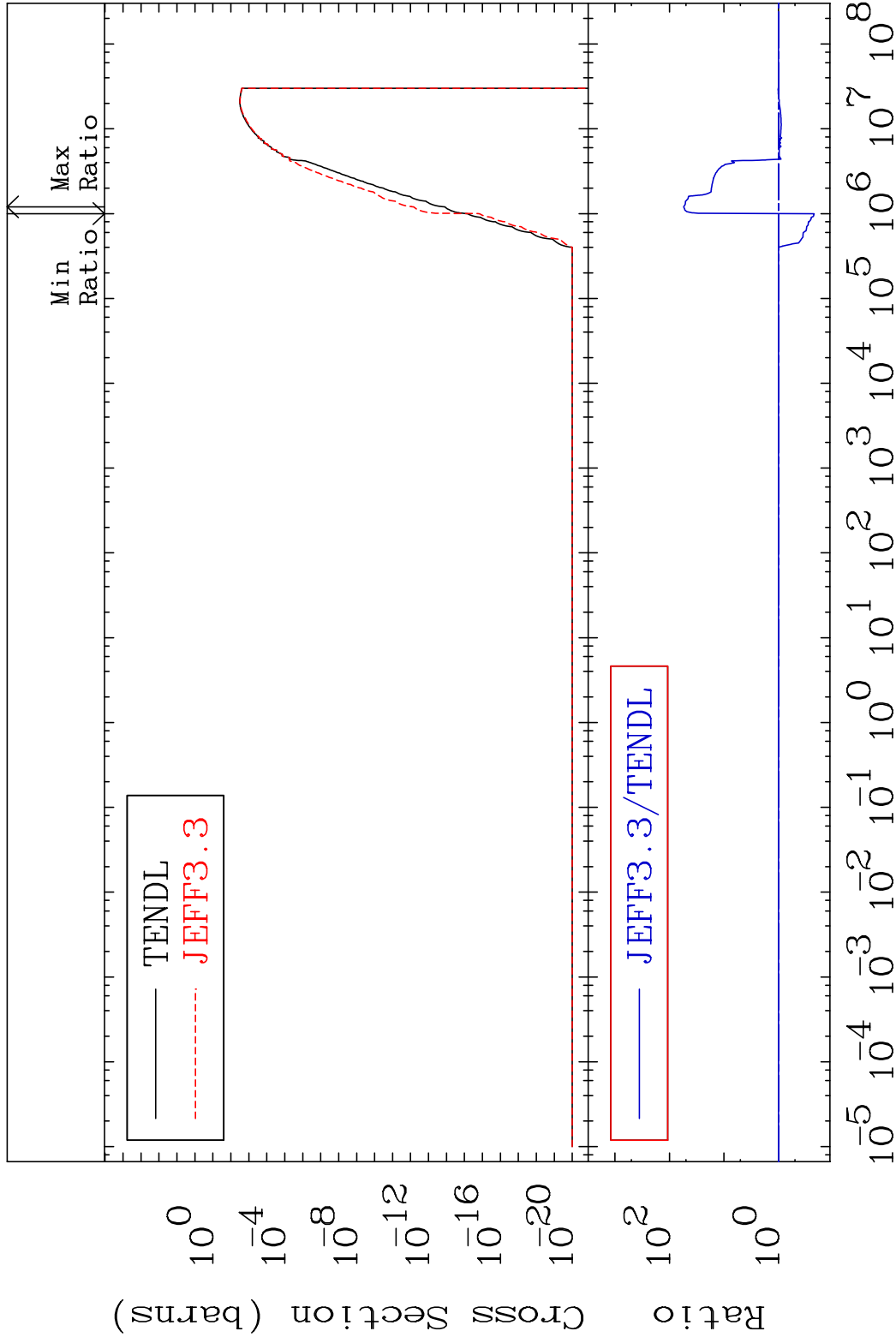
51-Sb-126

MAT 5140

(n, p)

51-Sb-126

Cross Section -77.66 To 5390. %



33

Incident Energy (eV)

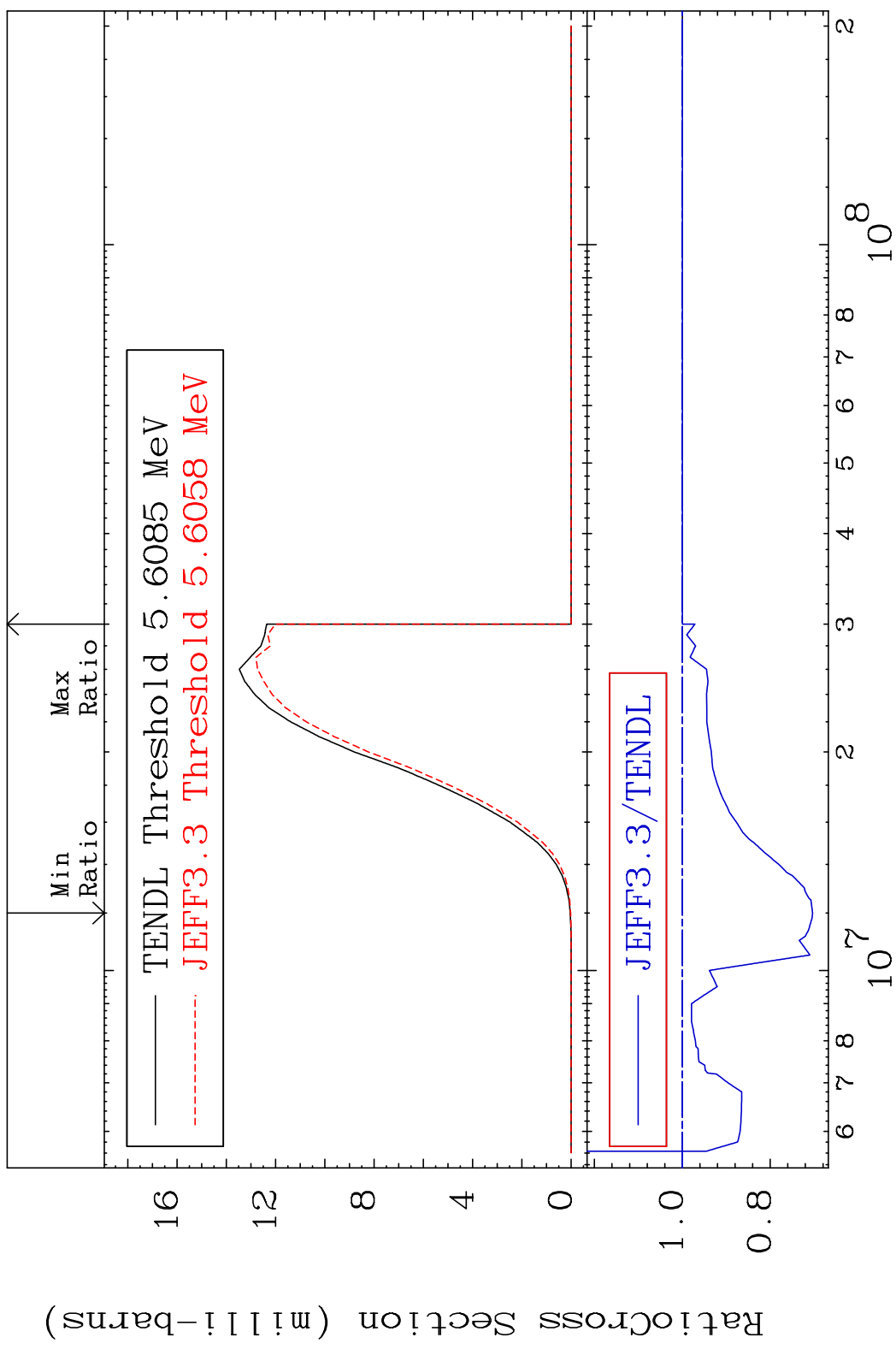
51-Sb-126

MAT 5140

(n, d)

51-Sb-126

Cross Section -29.62 To 0.000 %

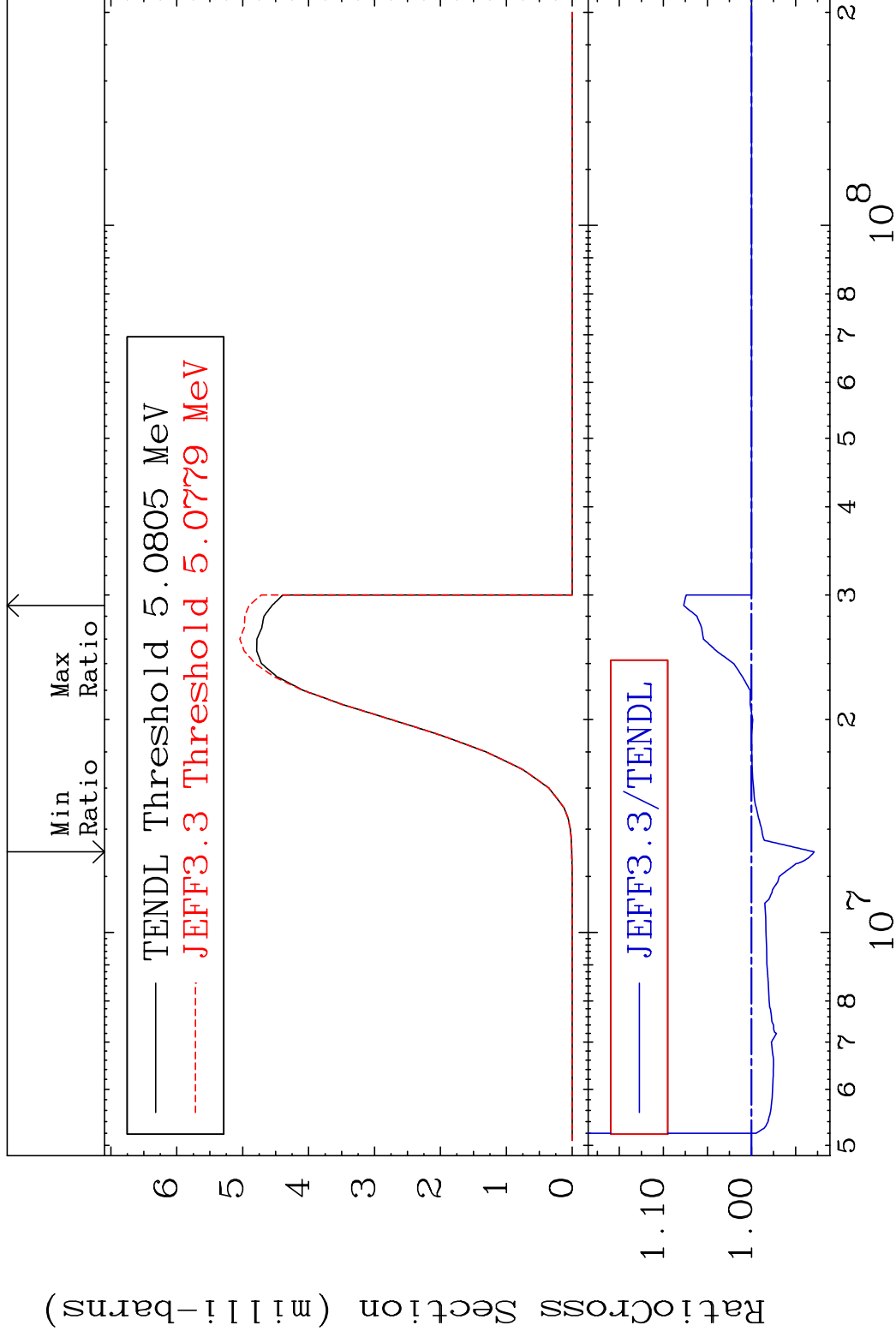


MAT 5140

(n, t)

51-Sb-126

Cross Section -7.100 To 7.697 %



35

Incident Energy (eV)

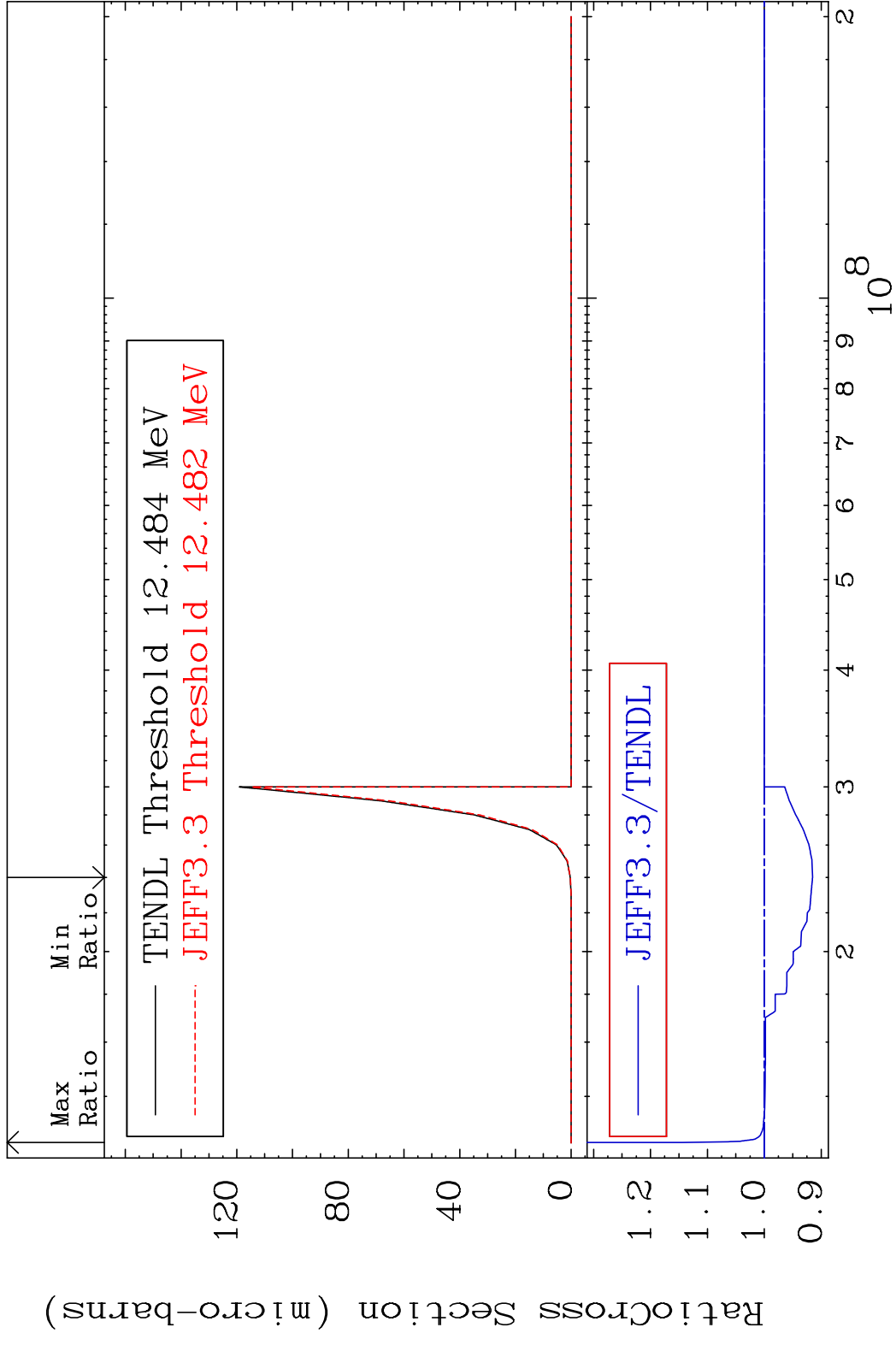
51-Sb-126

MAT 5140

(n, He-3)

51-Sb-126

Cross Section -8.485 To 14.40 %



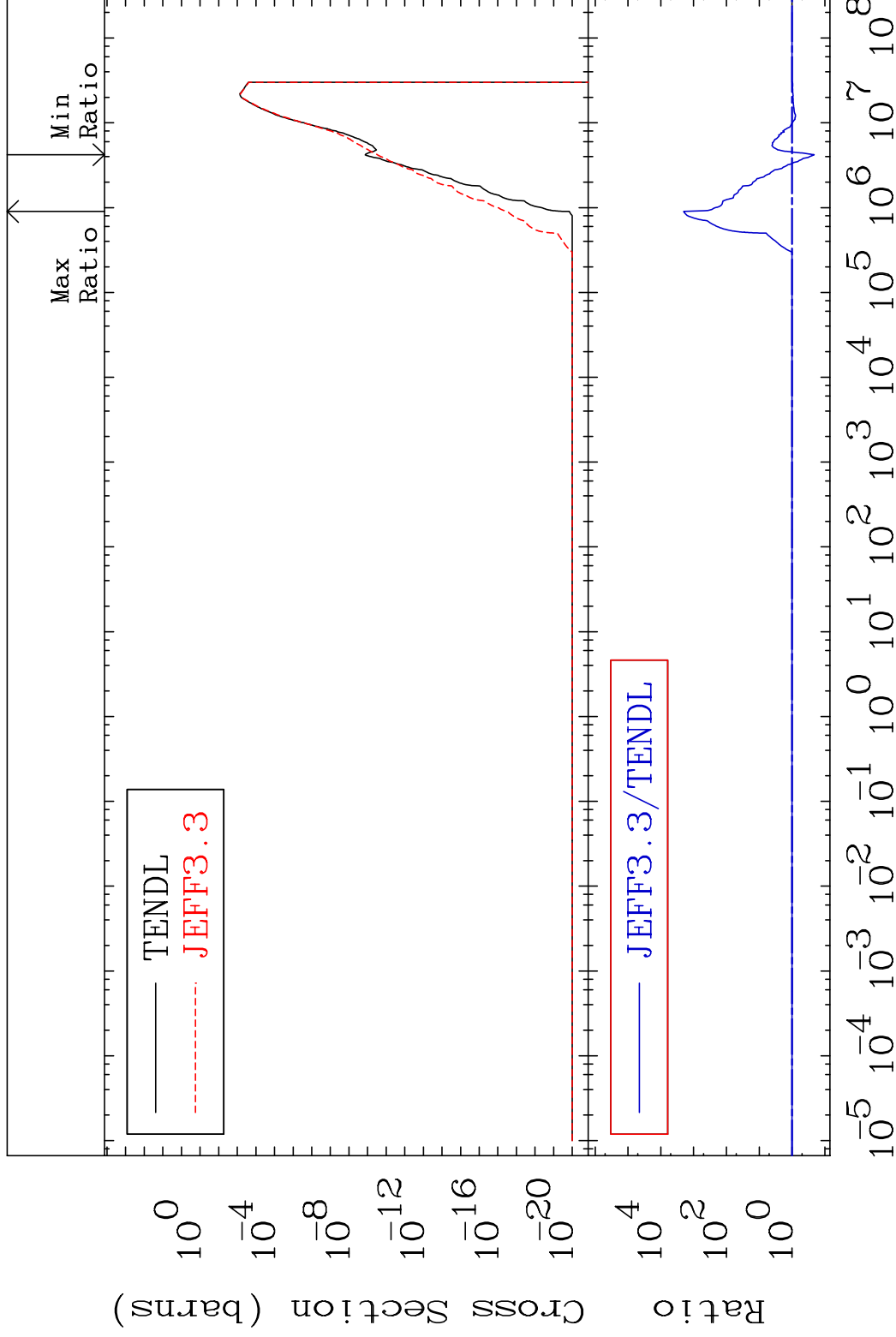
MAT 5140

(n, α)

51-Sb-126

Cross Section

-78.71 To 9999. %



37

Incident Energy (eV)

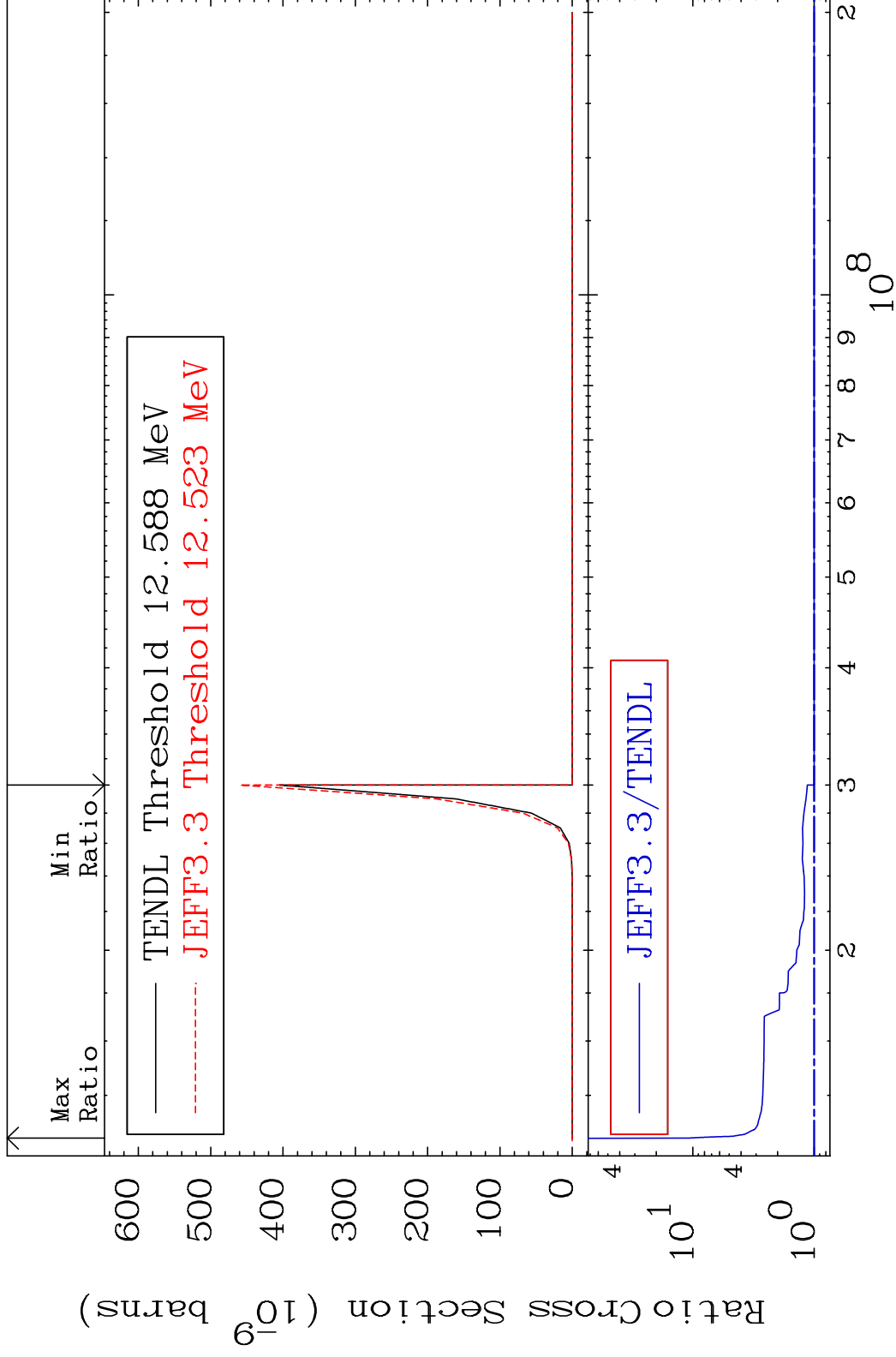
51-Sb-126

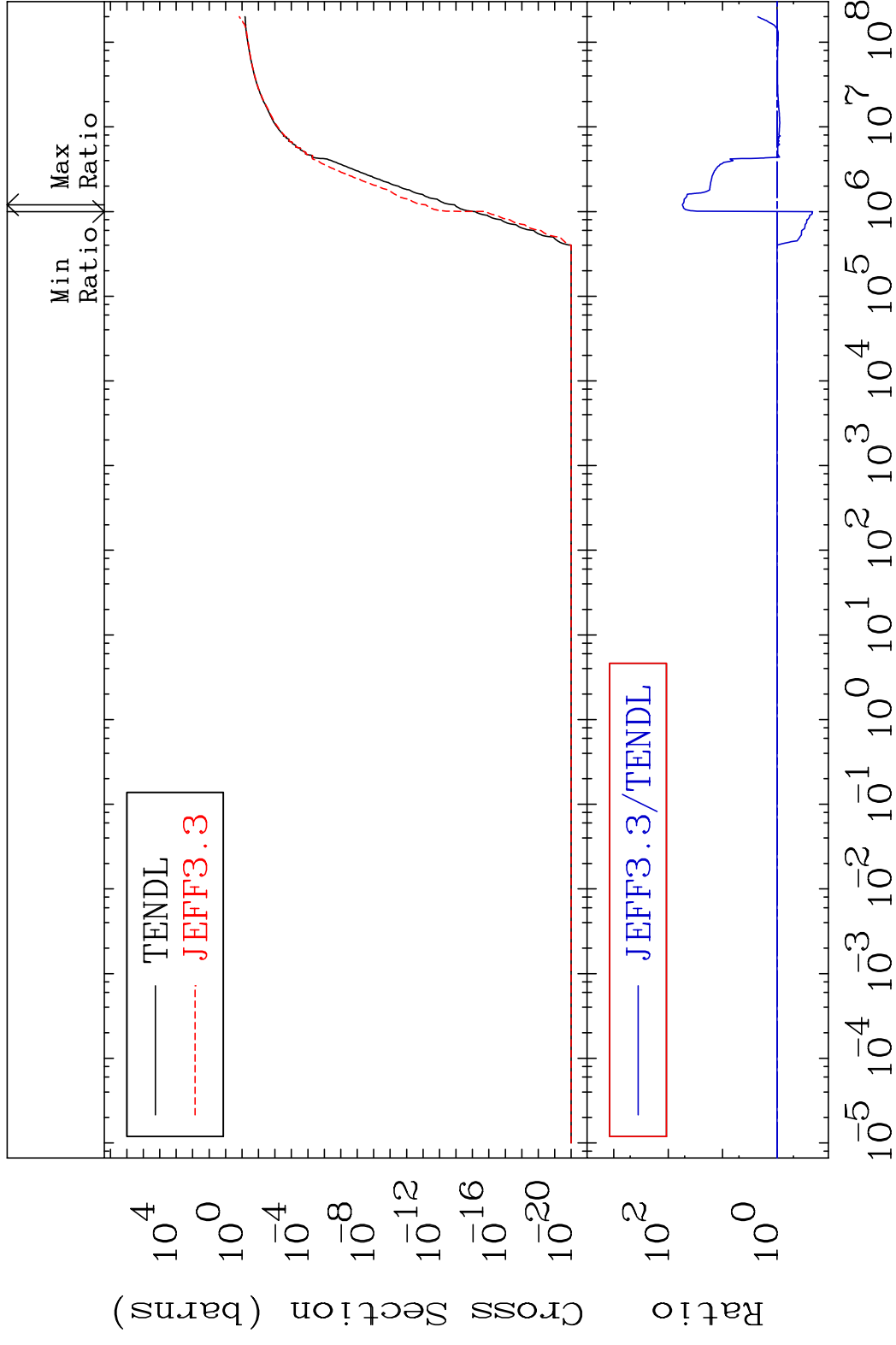
MAT 5140

(n,2p)

51-Sb-126

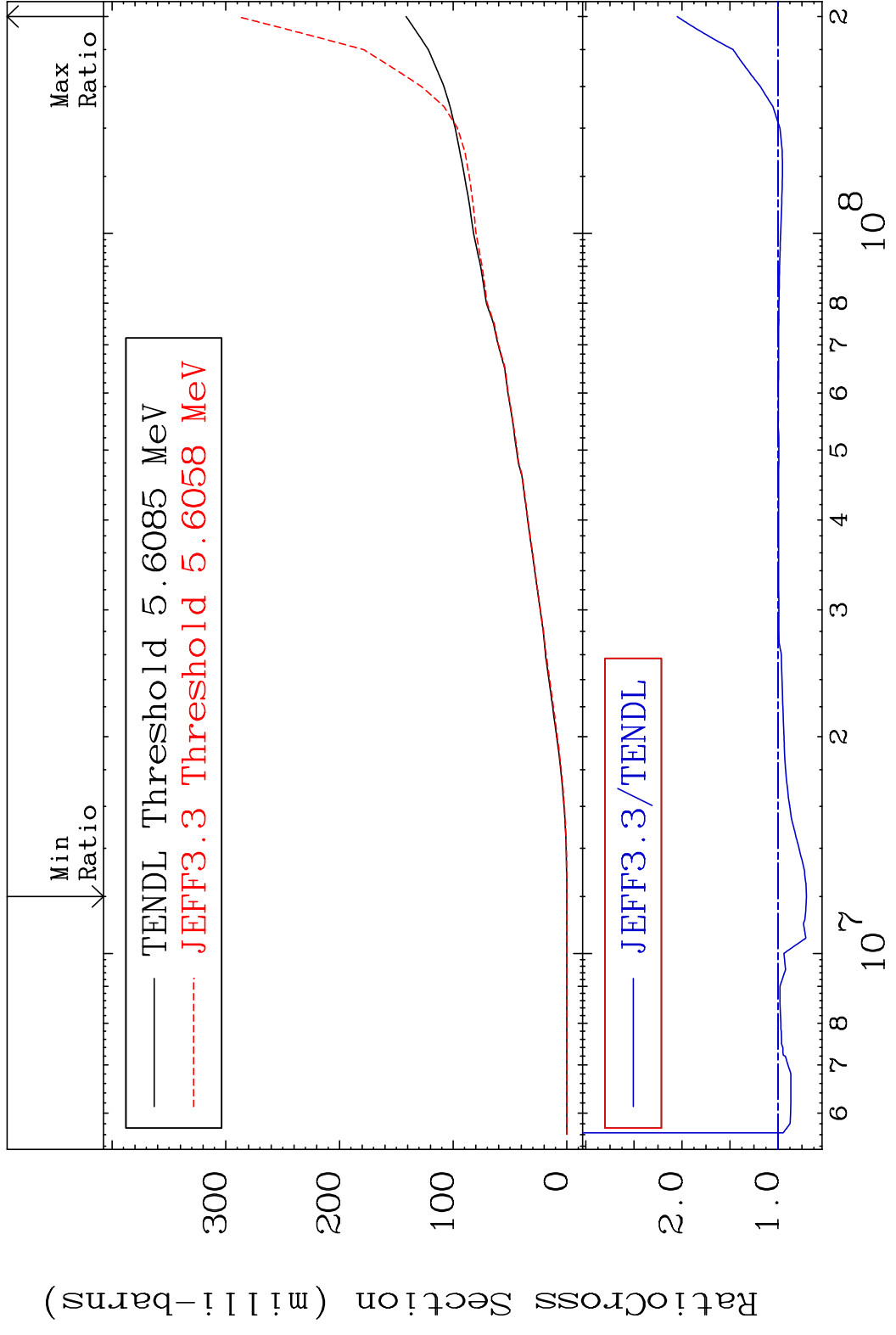
Cross Section 0.000 To 1088. %





MAT 5140

Deuterium Production 51-Sb-126
Cross Section -29.62 To 104.9 %



40

Incident Energy (eV)

51-Sb-126

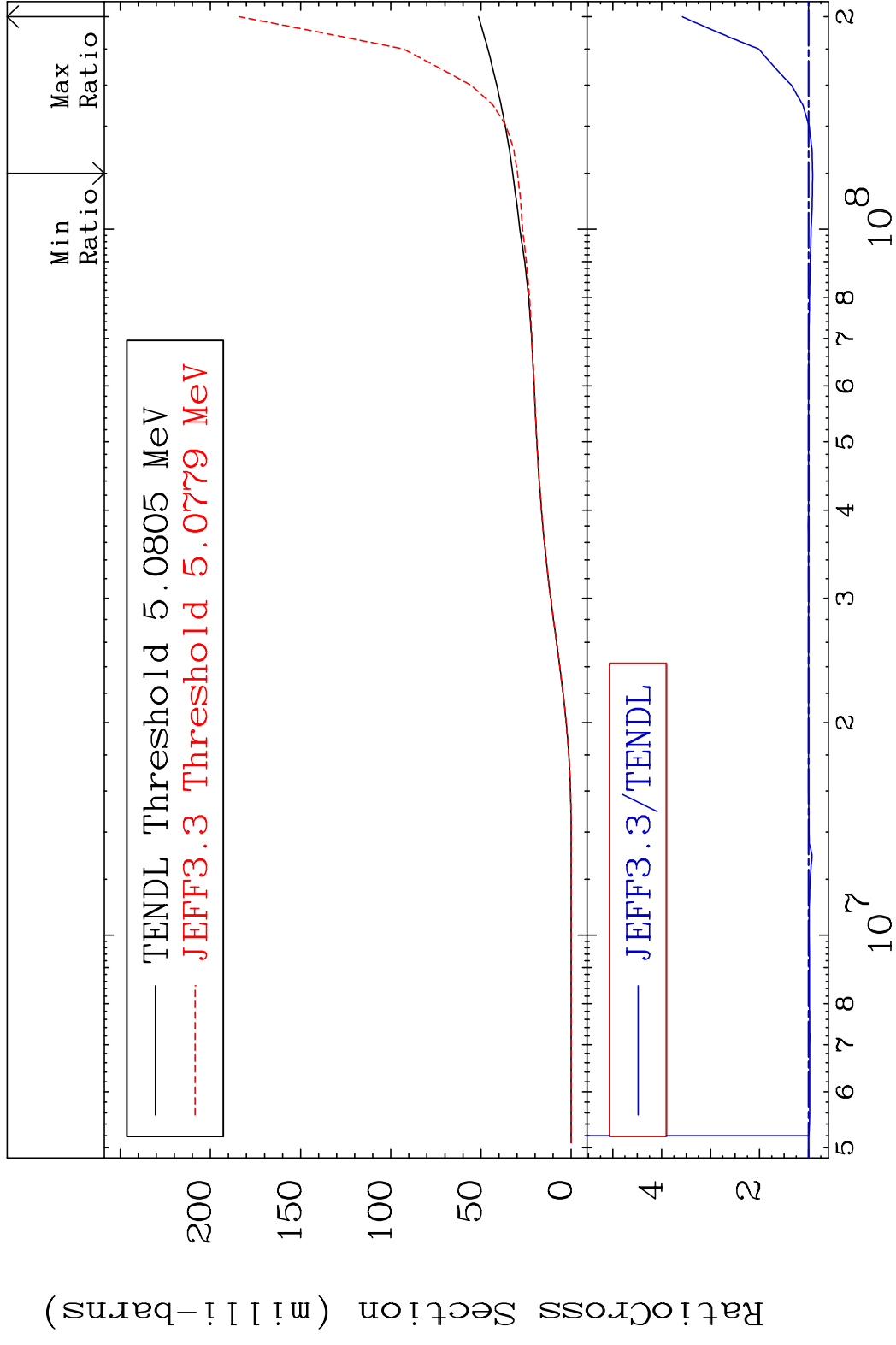
MAT 5140

Tritium Production

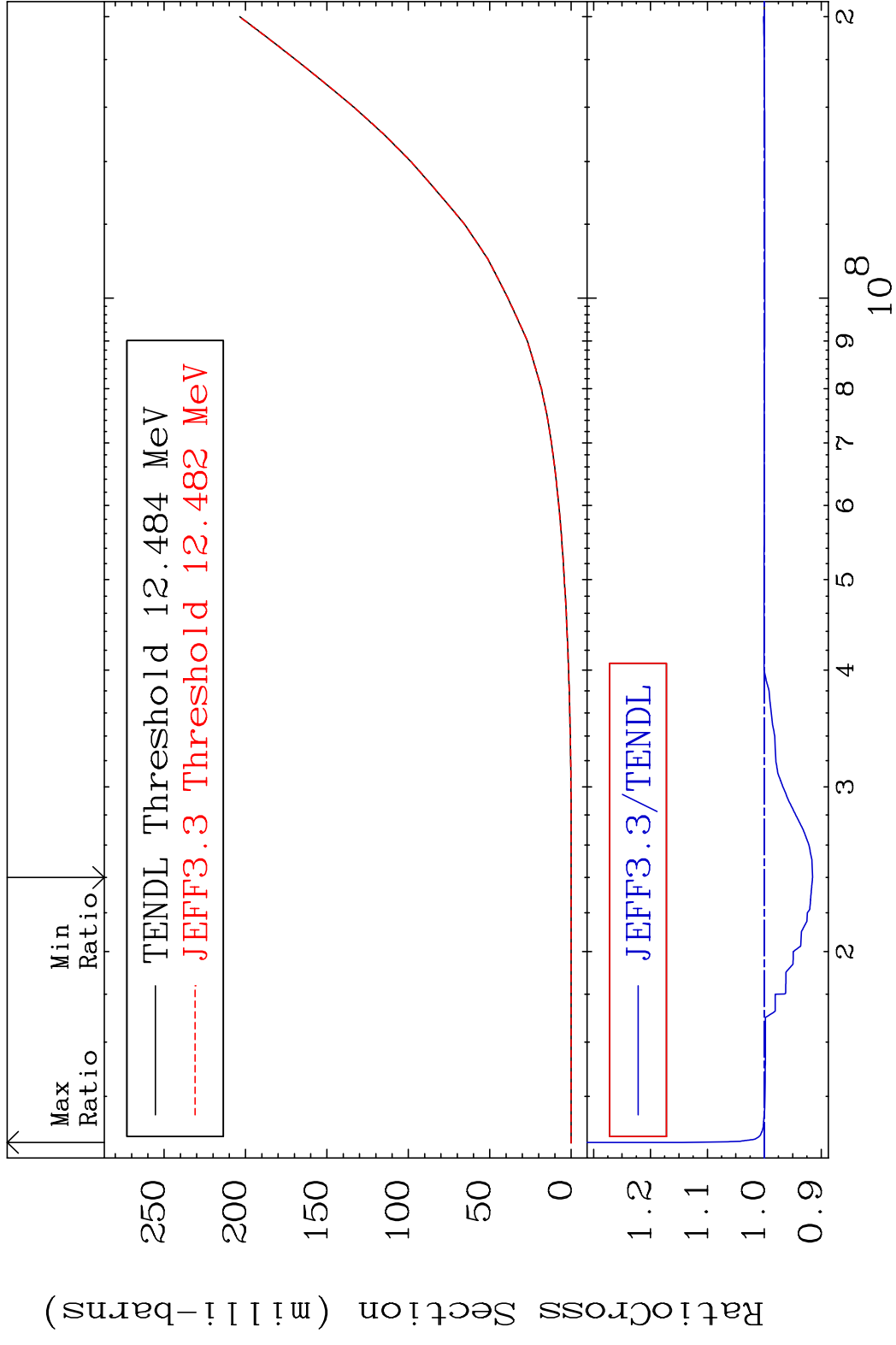
51-Sb-126

Cross Section

-8.318 To 257.8 %



Cross Section -8.485 To 14.40 %

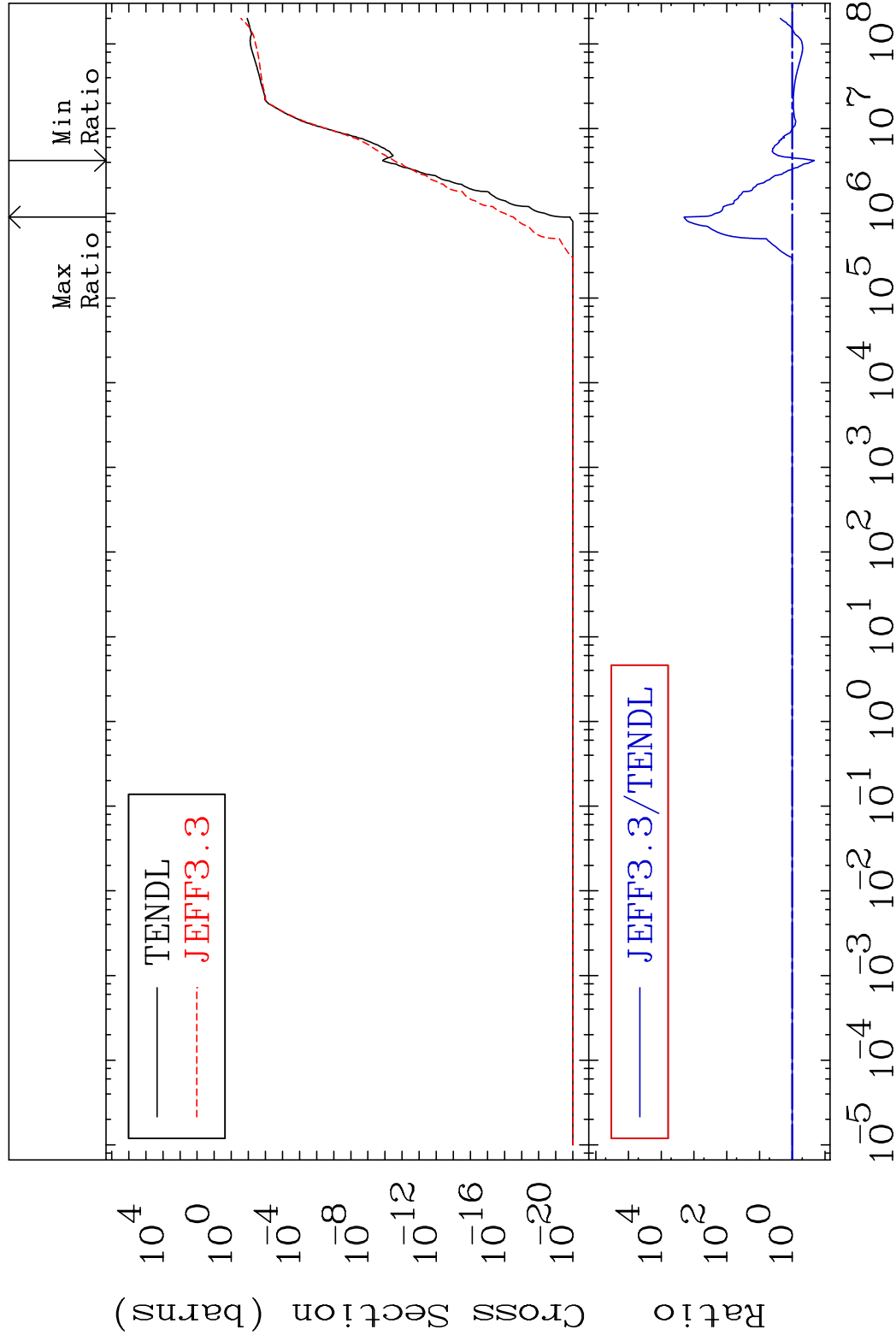


MAT 5140

He-4 Production

51-Sb-126

Cross Section -78.71 To 9999. %

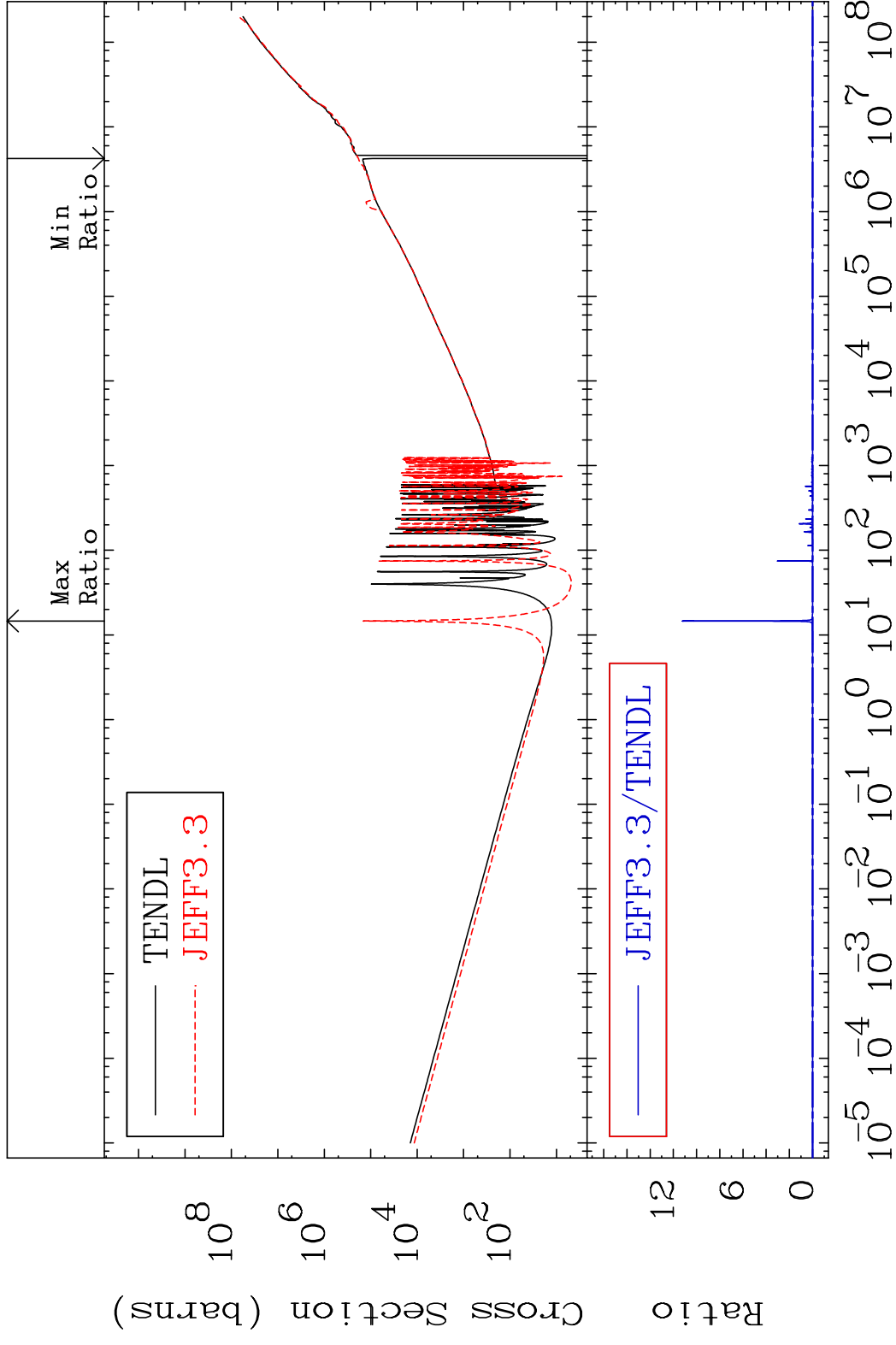


43

Incident Energy (eV)

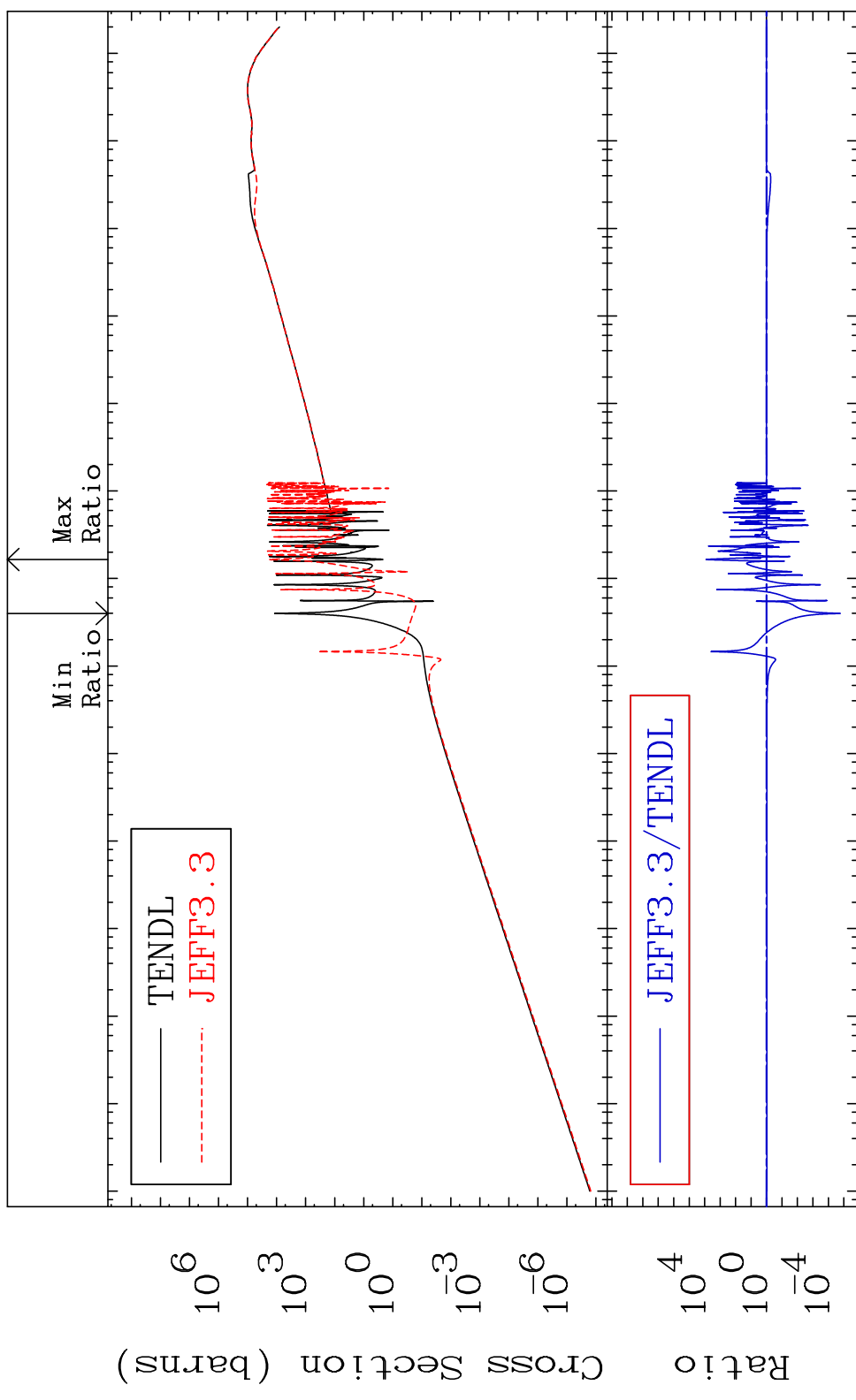
51-Sb-126

MAT 5140 Kerma total (eV-barns) 51-Sb-126
 Cross Section -275.1 To 9999. %

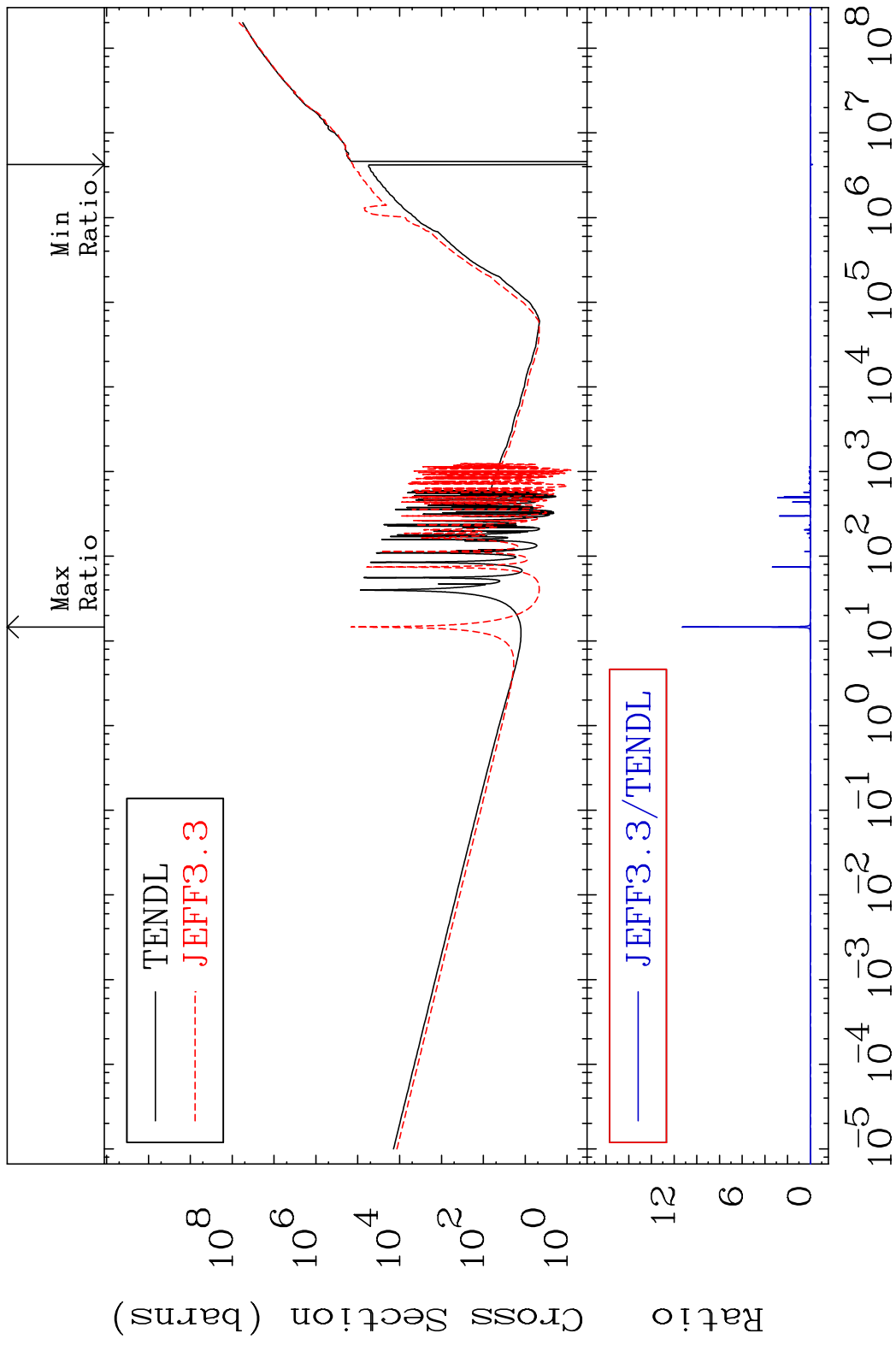


MAT 5140

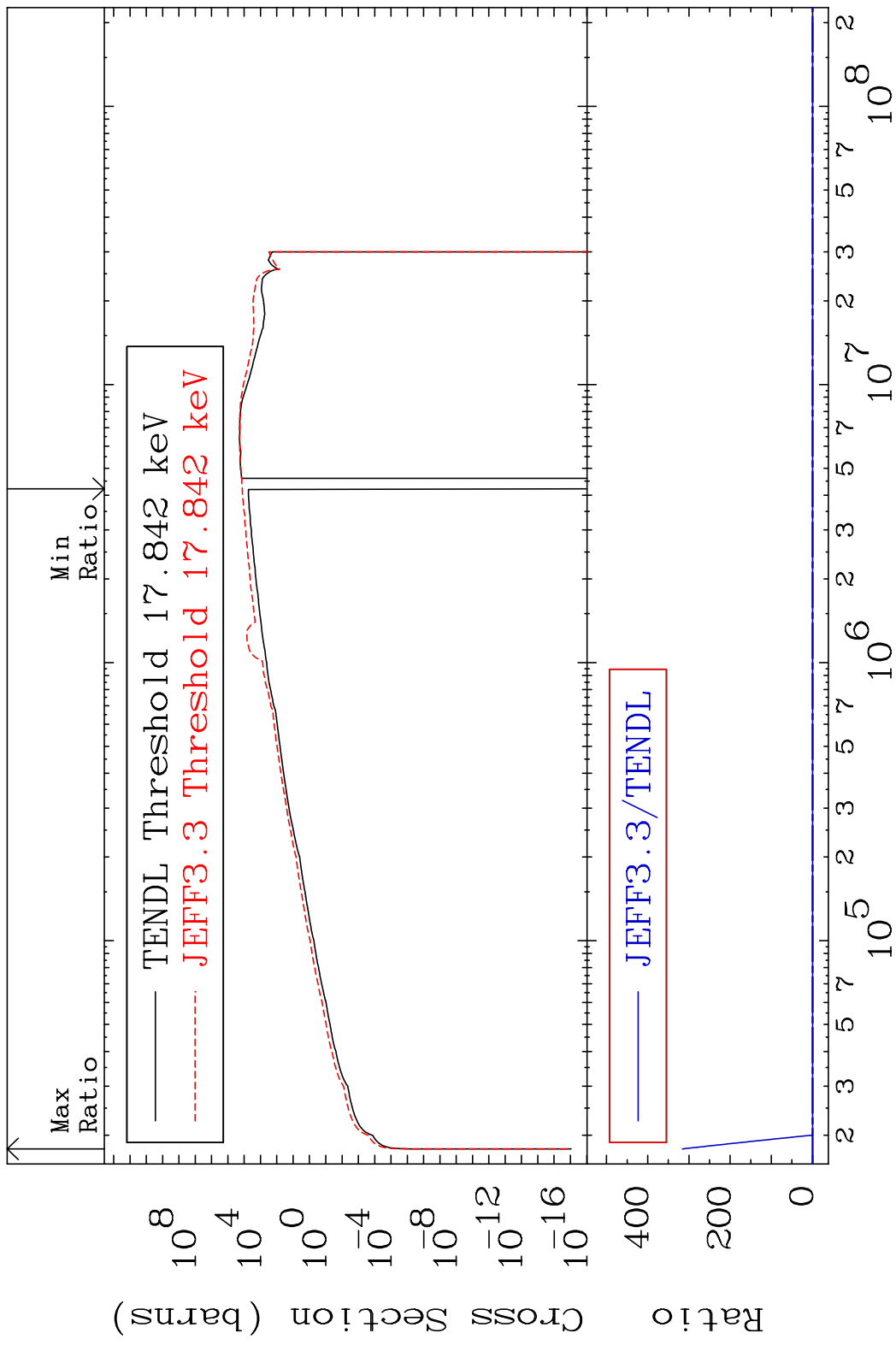
Kerma elastic Cross Section -100.0 To 9999. %
51-Sb-126



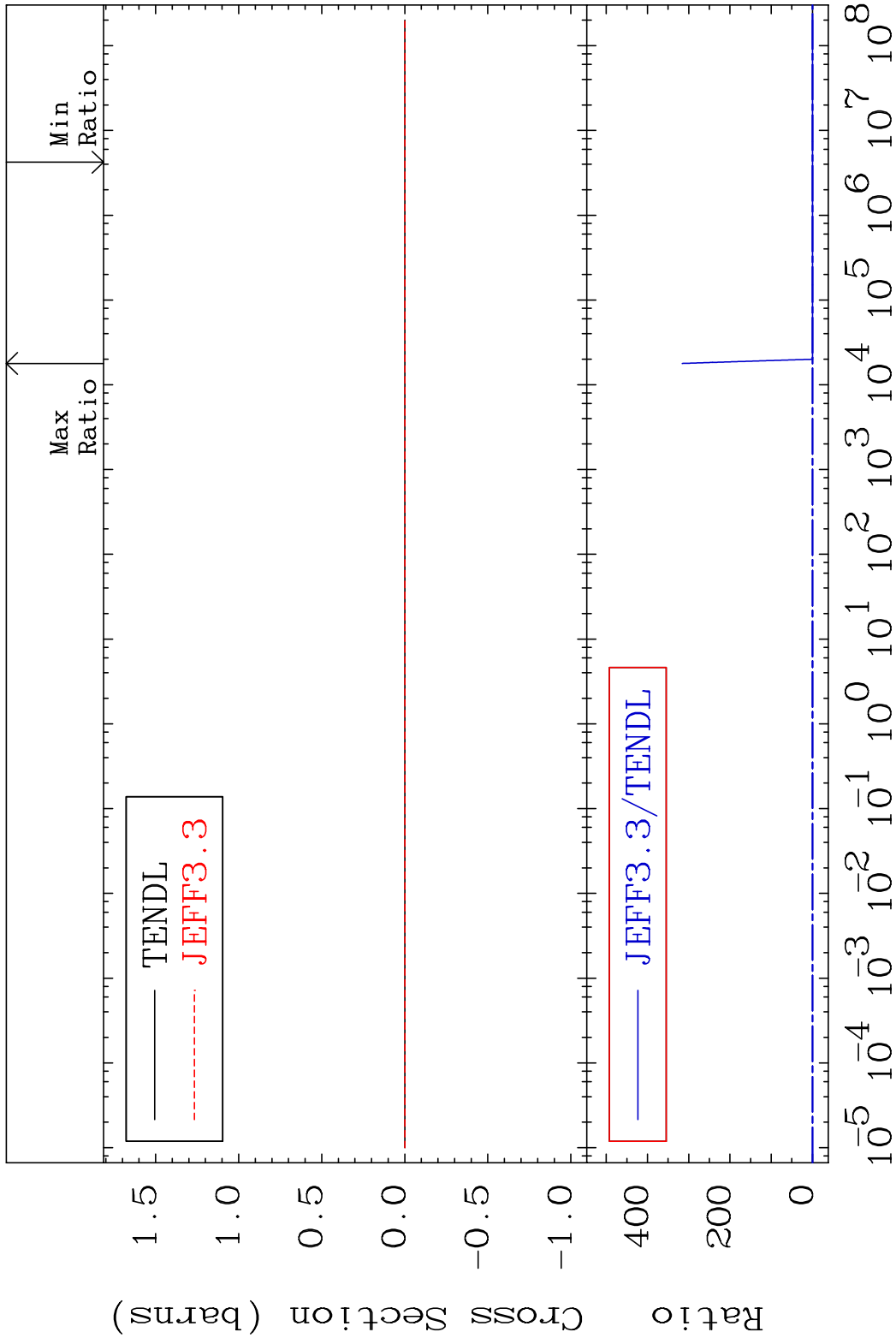
MAT 5140 Kerma non-elastic (all but mt2) 51-Sb-126
 Cross Section -9999. To 9999. %



MAT 5140 Kerma inelastic (mt51-91) 51-Sb-126
 Cross Section -9999. To 9999. %



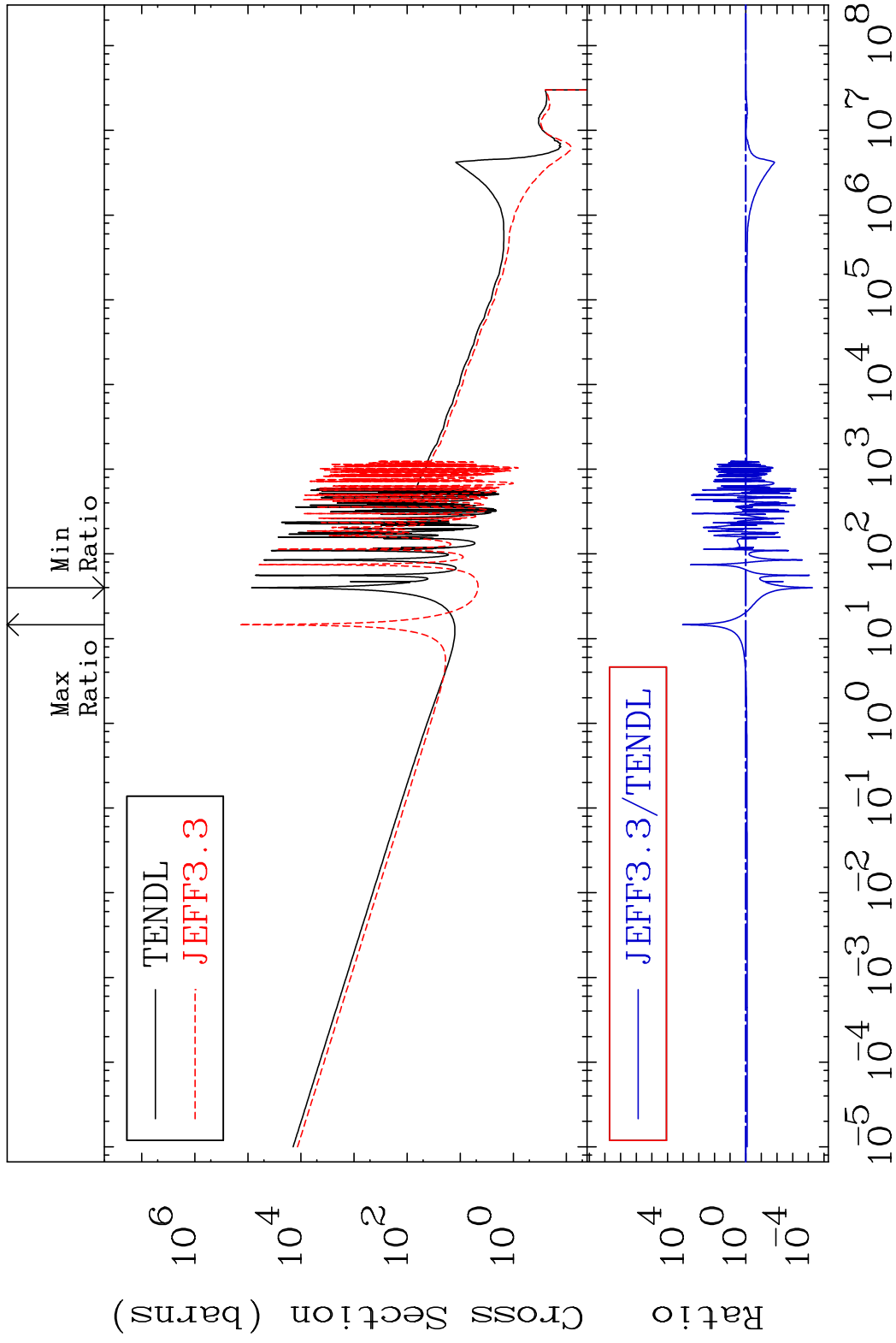
MAT 5140 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-126
 Cross Section -9999. To 9999. %



MAT 5140

Kerma capture (mt102) 51-Sb-126

Cross Section -99.99 To 9999. %



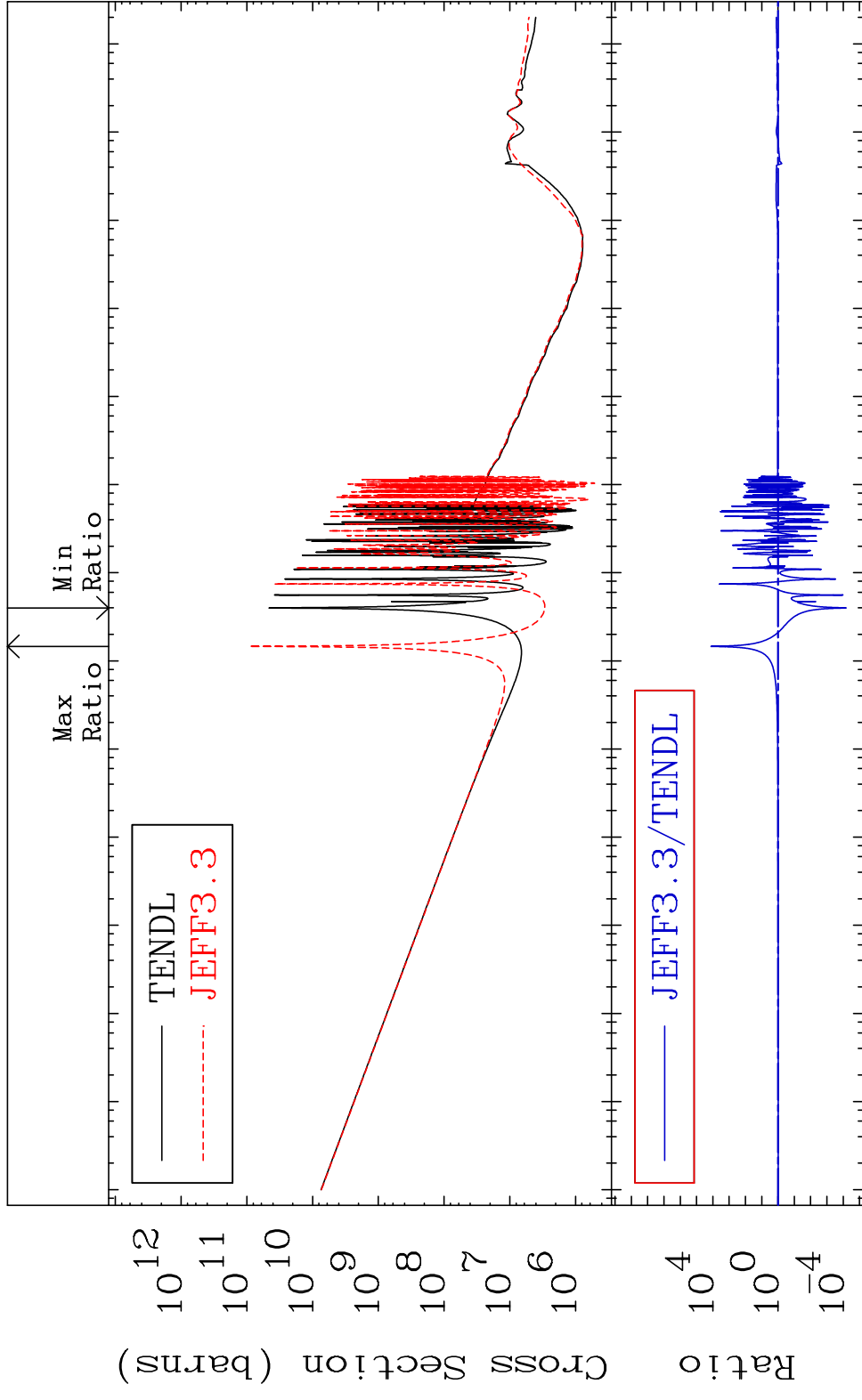
49

Incident Energy (eV)

51-Sb-126

MAT 5140

Total photon (eV-barns) 51-Sb-126
Cross Section -99.99 To 9999. %

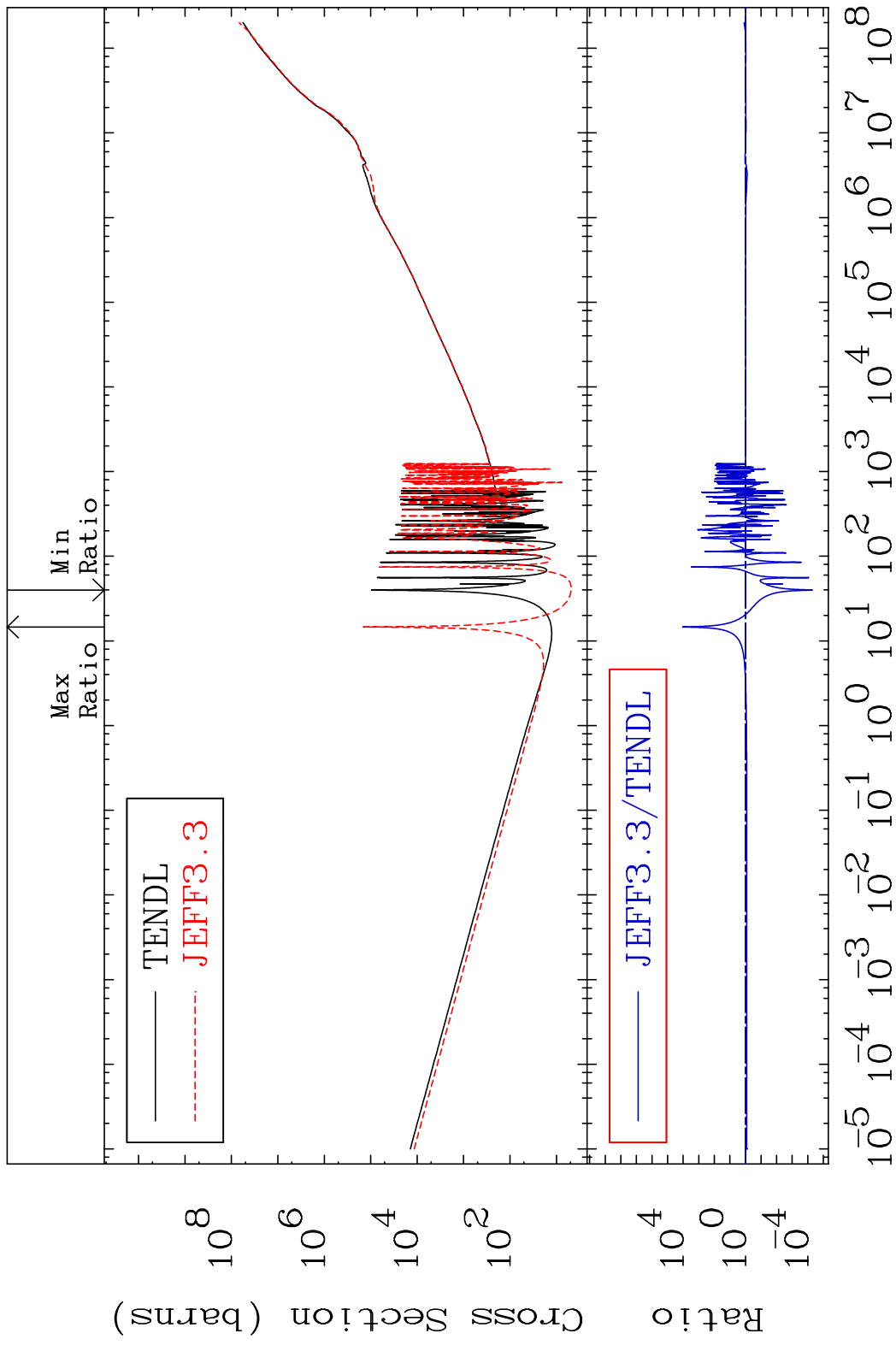


50

Incident Energy (eV)

51-Sb-126

MAT 5140 Total kinematic kerma (high limit) 51-Sb-126
 Cross Section -100.0 To 9999. %

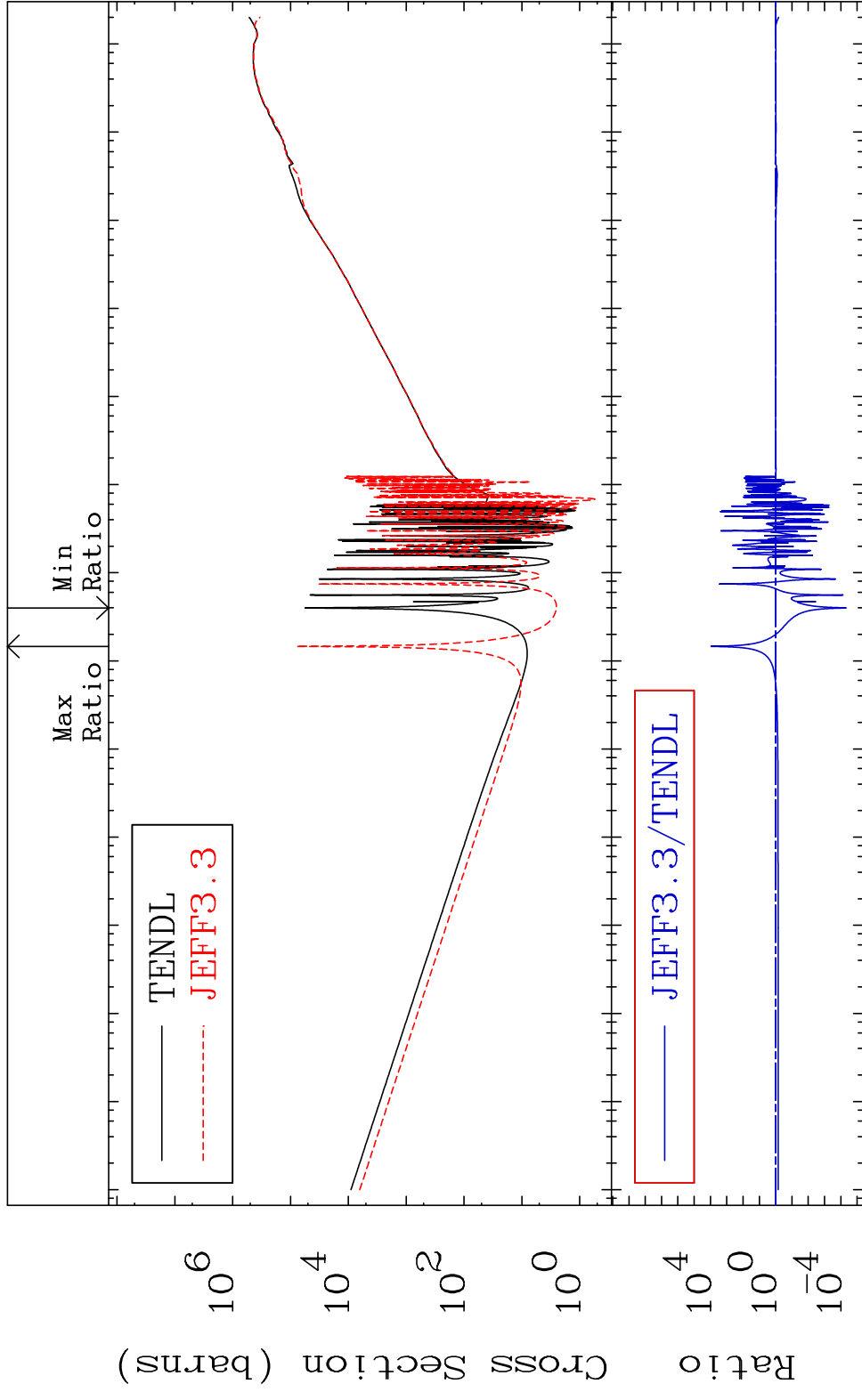


MAT 5140

Dpa total (eV-barns)

51-Sb-126

Cross Section -100.0 To 9999. %



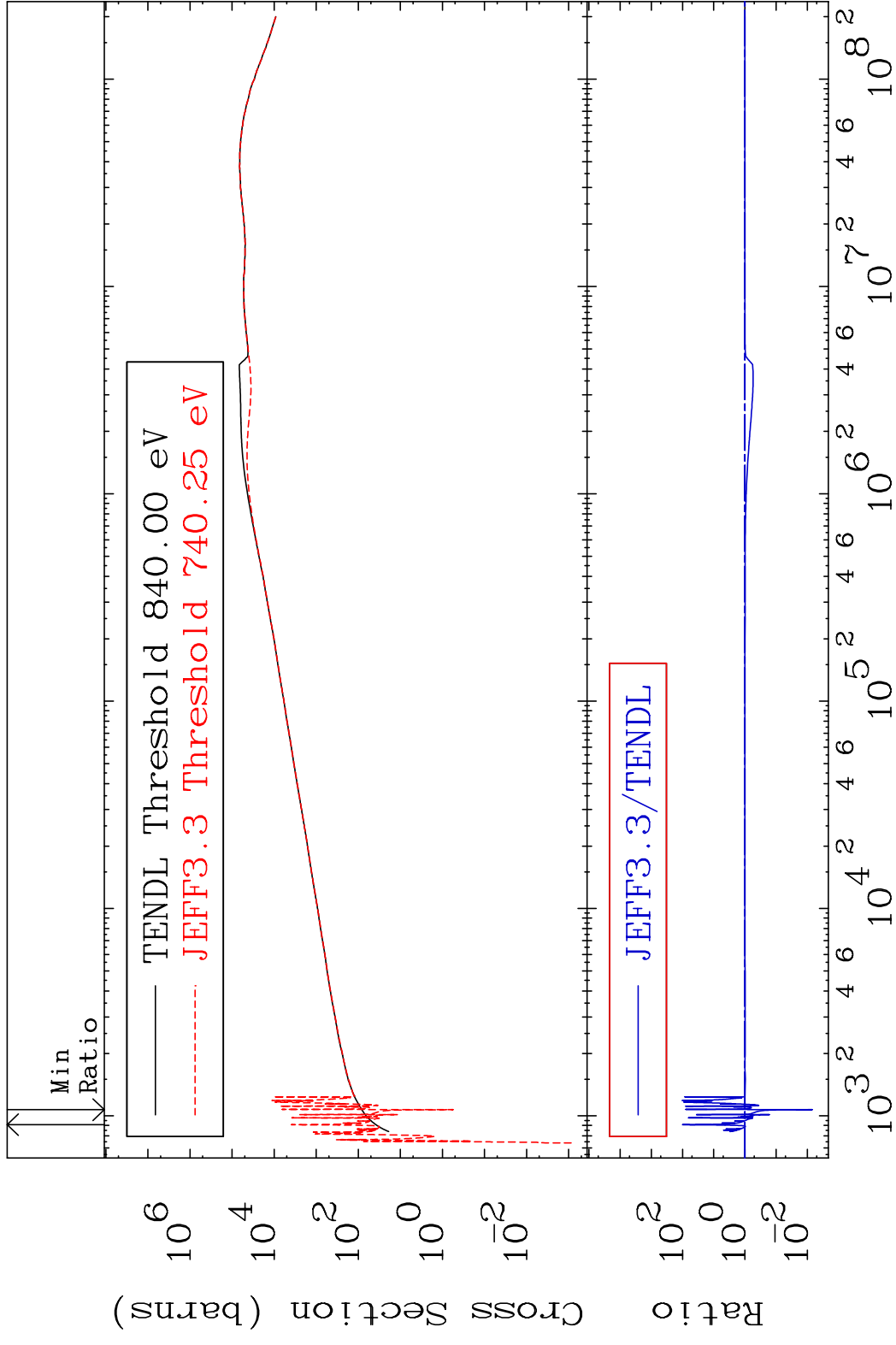
MAT 5140

Dpa elastic (mt2)

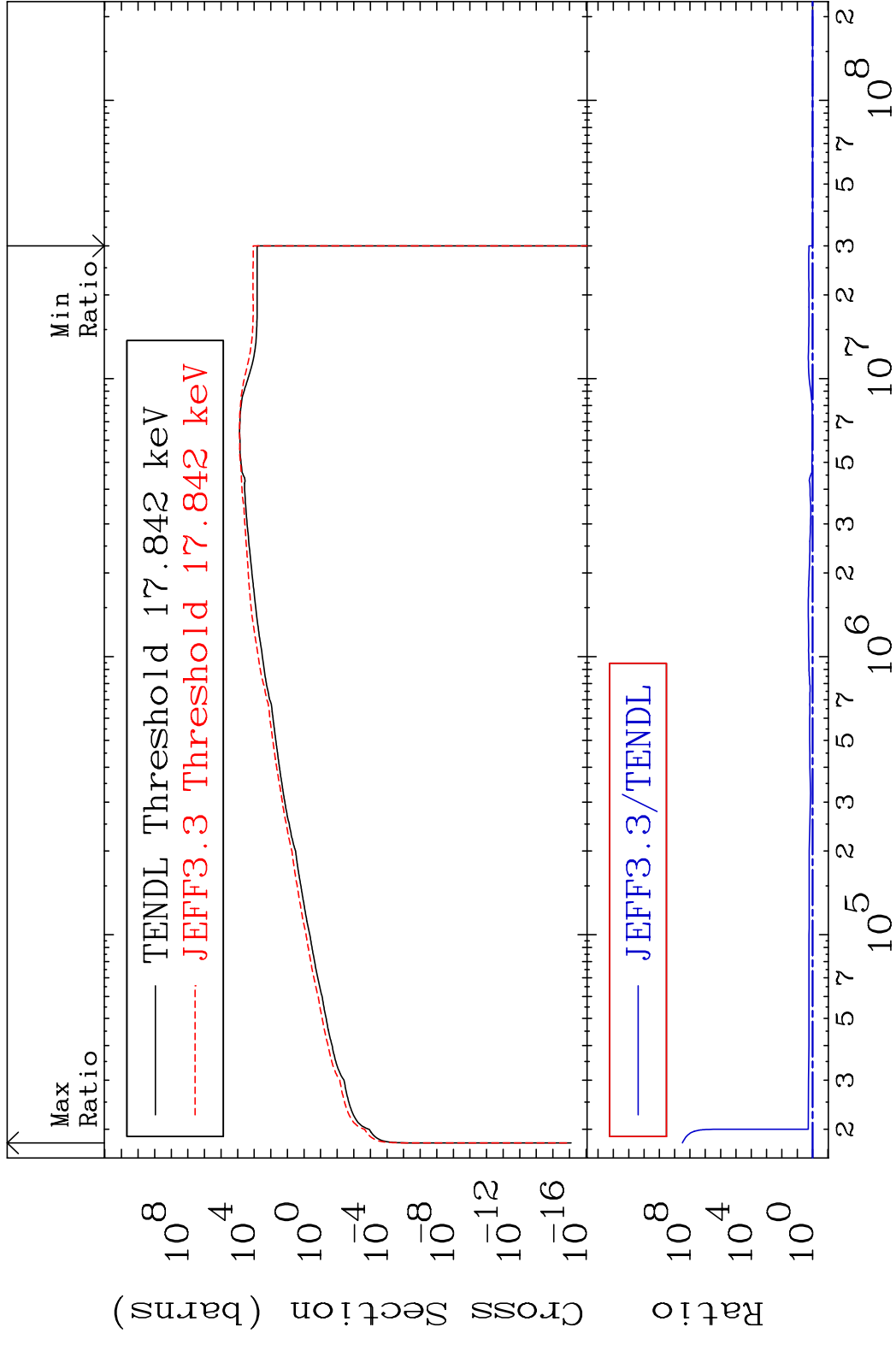
51-Sb-126

Cross Section

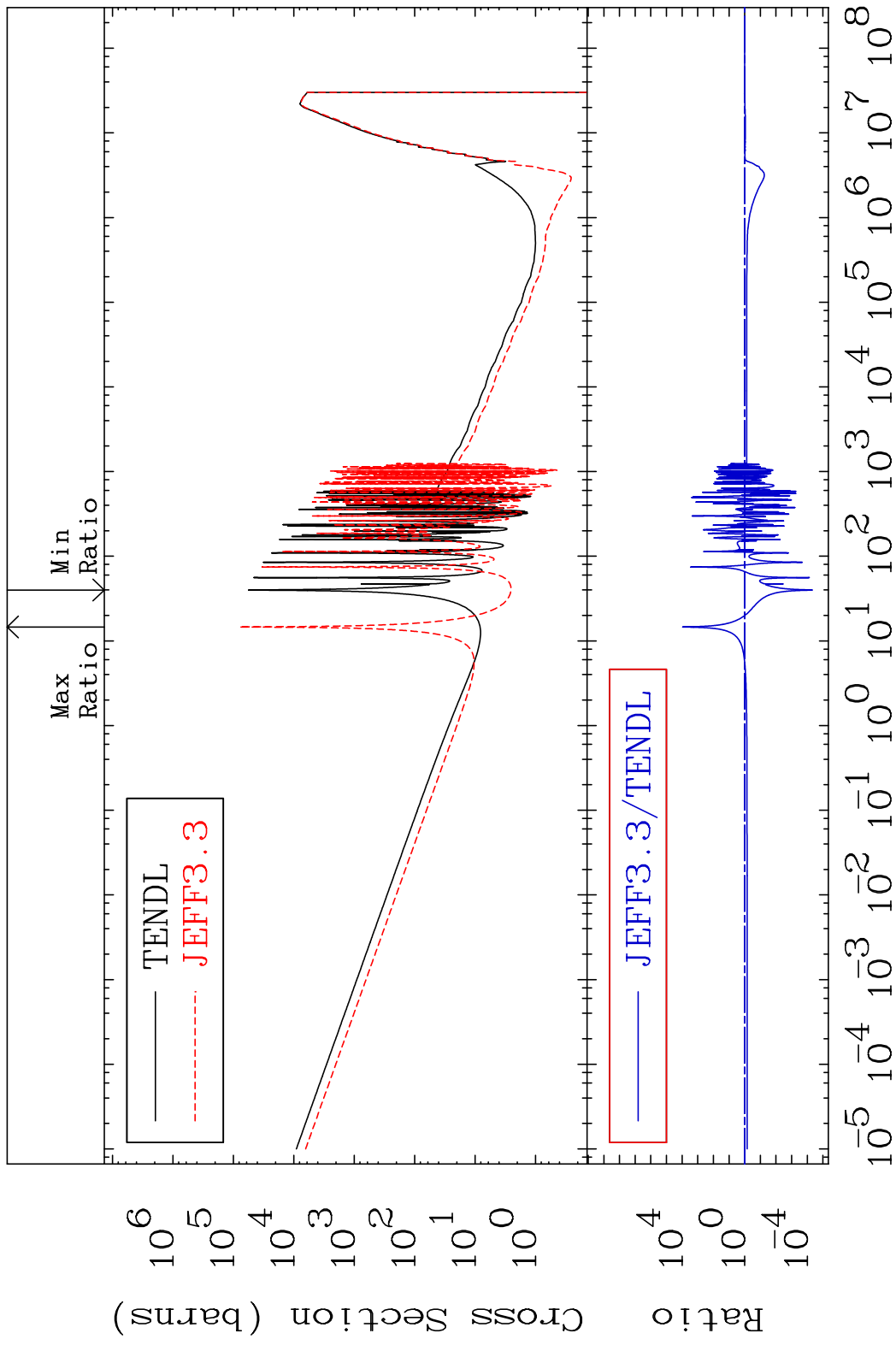
-99.32 To 9999. %

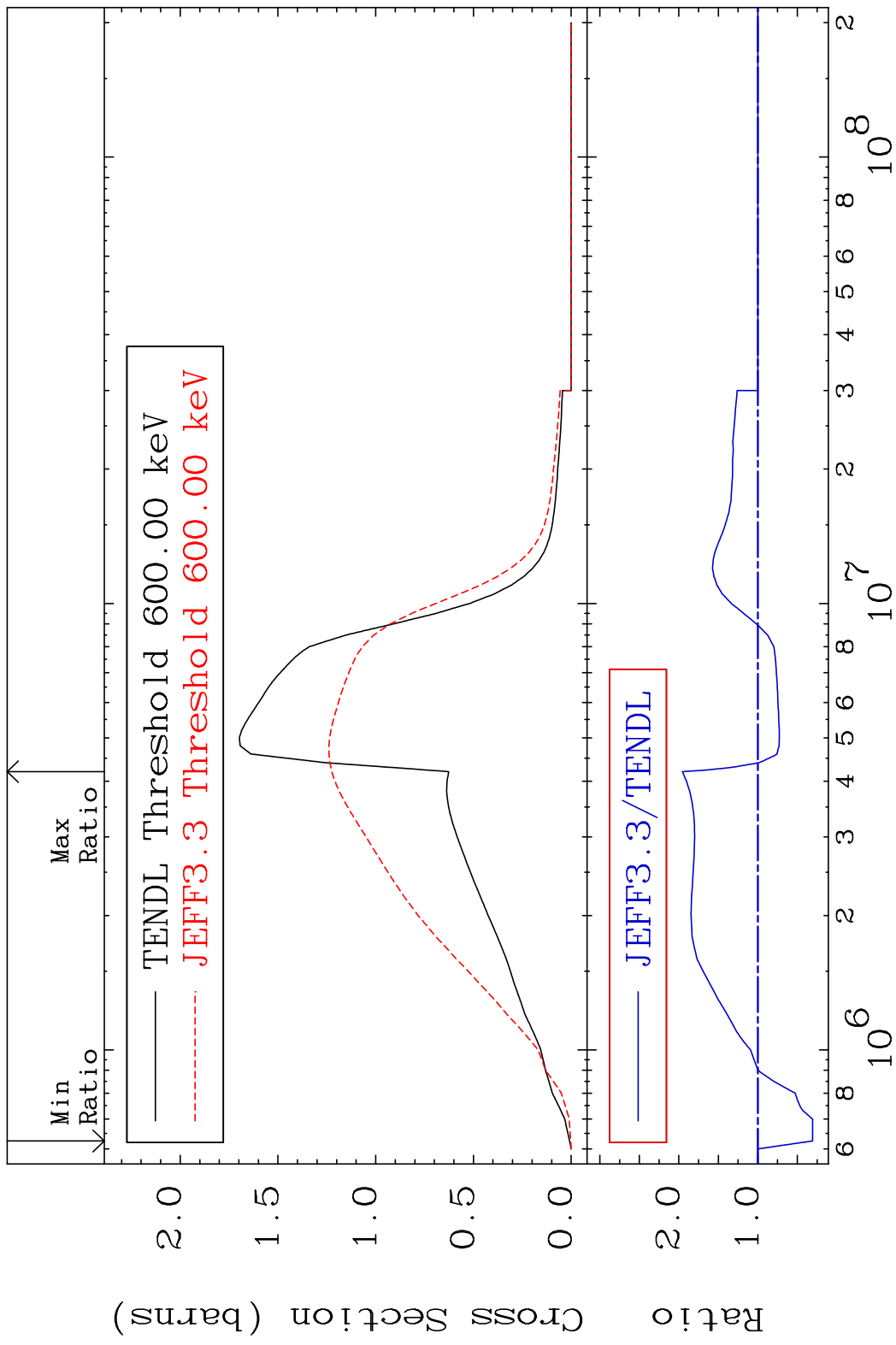


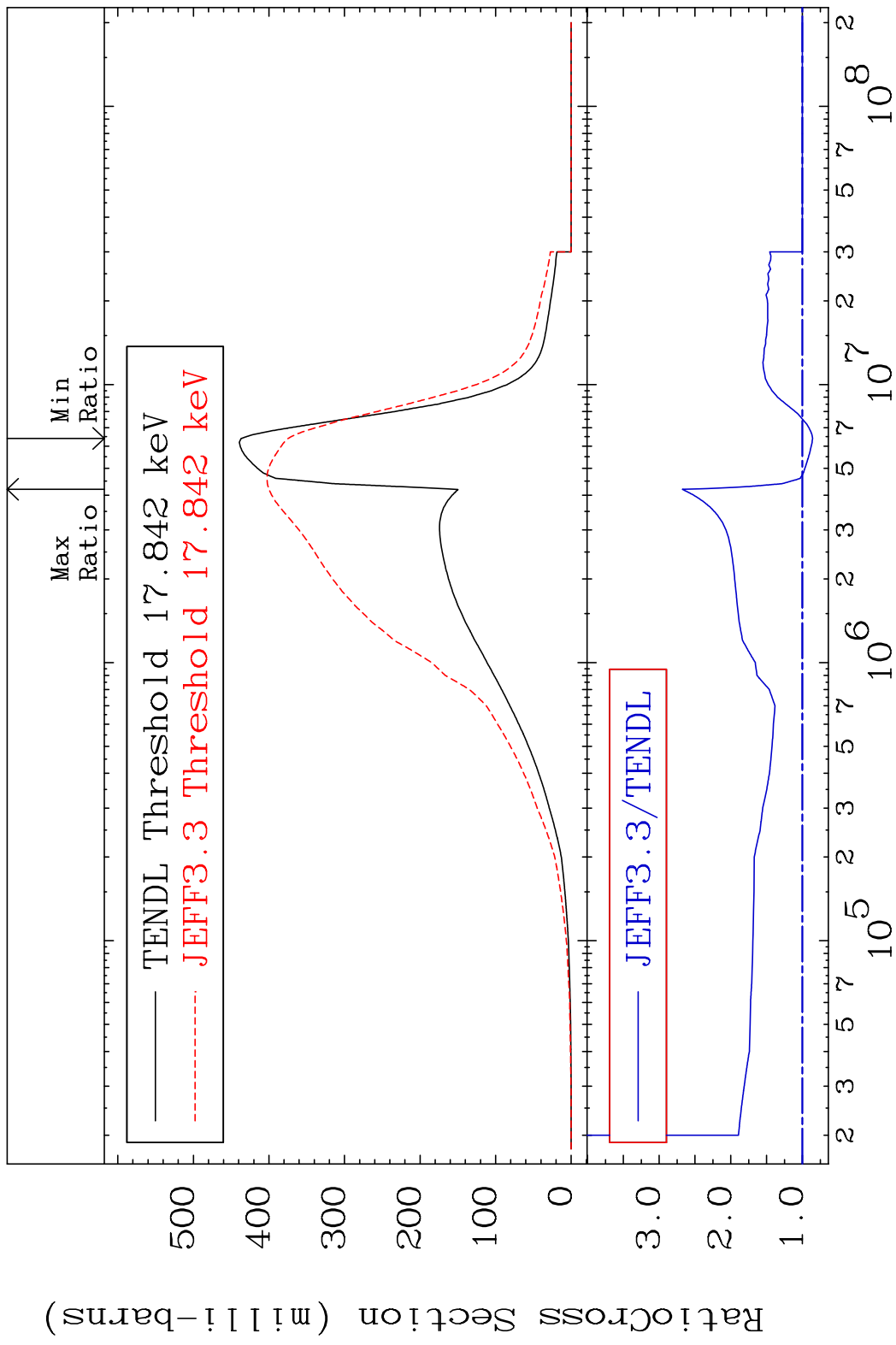
MAT 5140 Dpa inelastic (mt51-91) 51-Sb-126
 Cross Section 0.000 To 9999. %

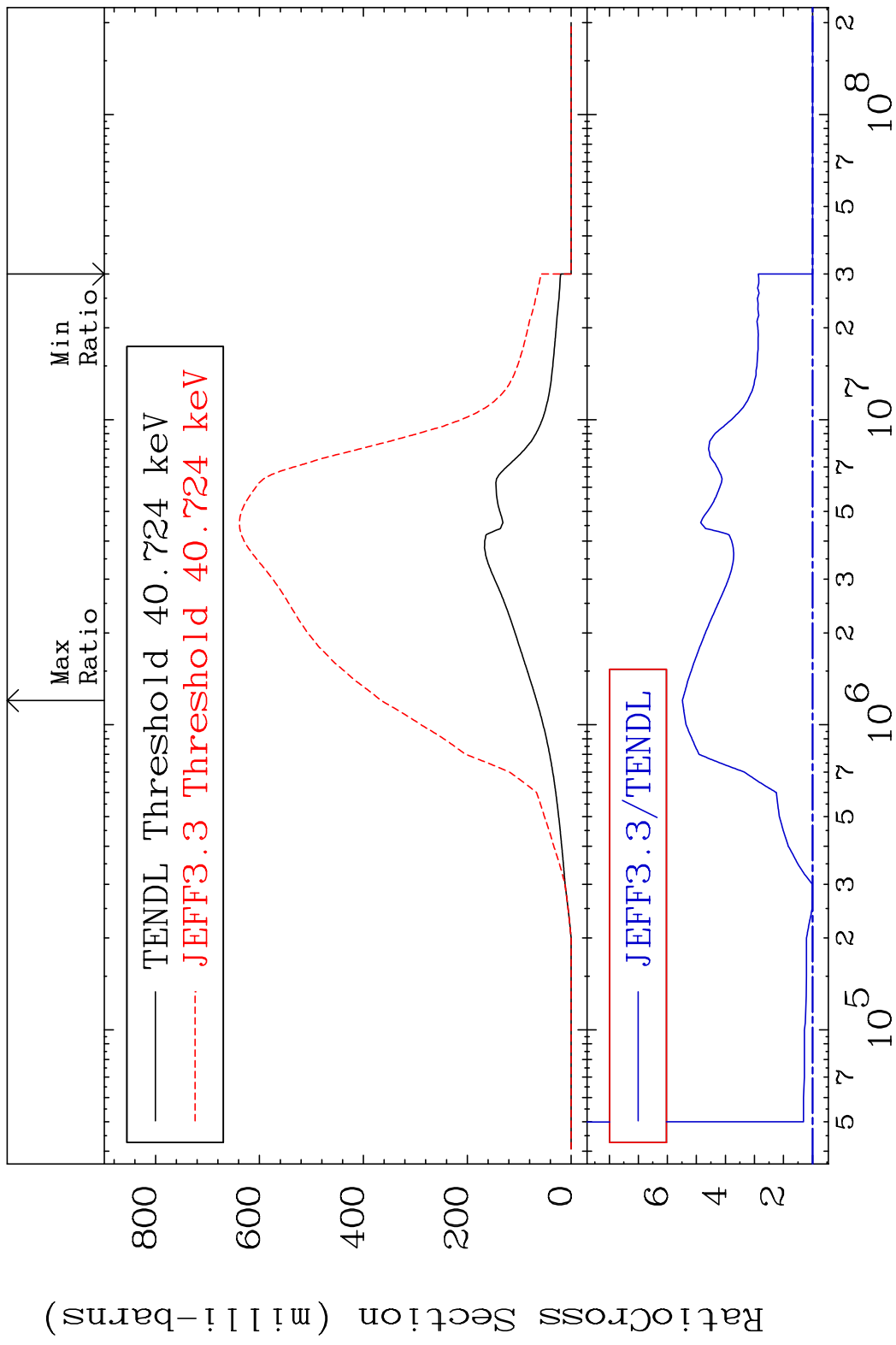


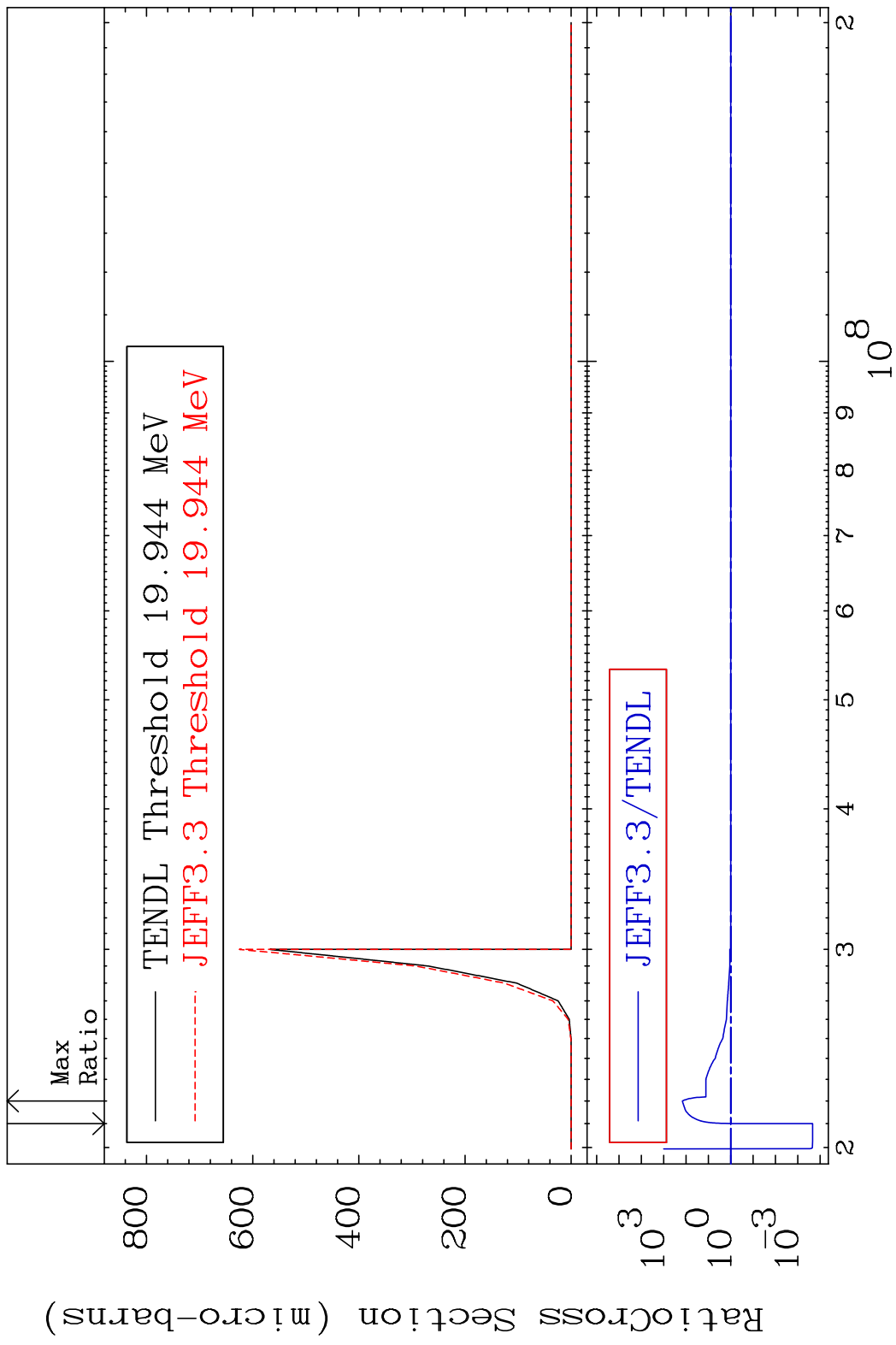
MAT 5140 Dpa disappearance (mt102 -120) 51-Sb-126
 Cross Section -100.0 To 9999. %



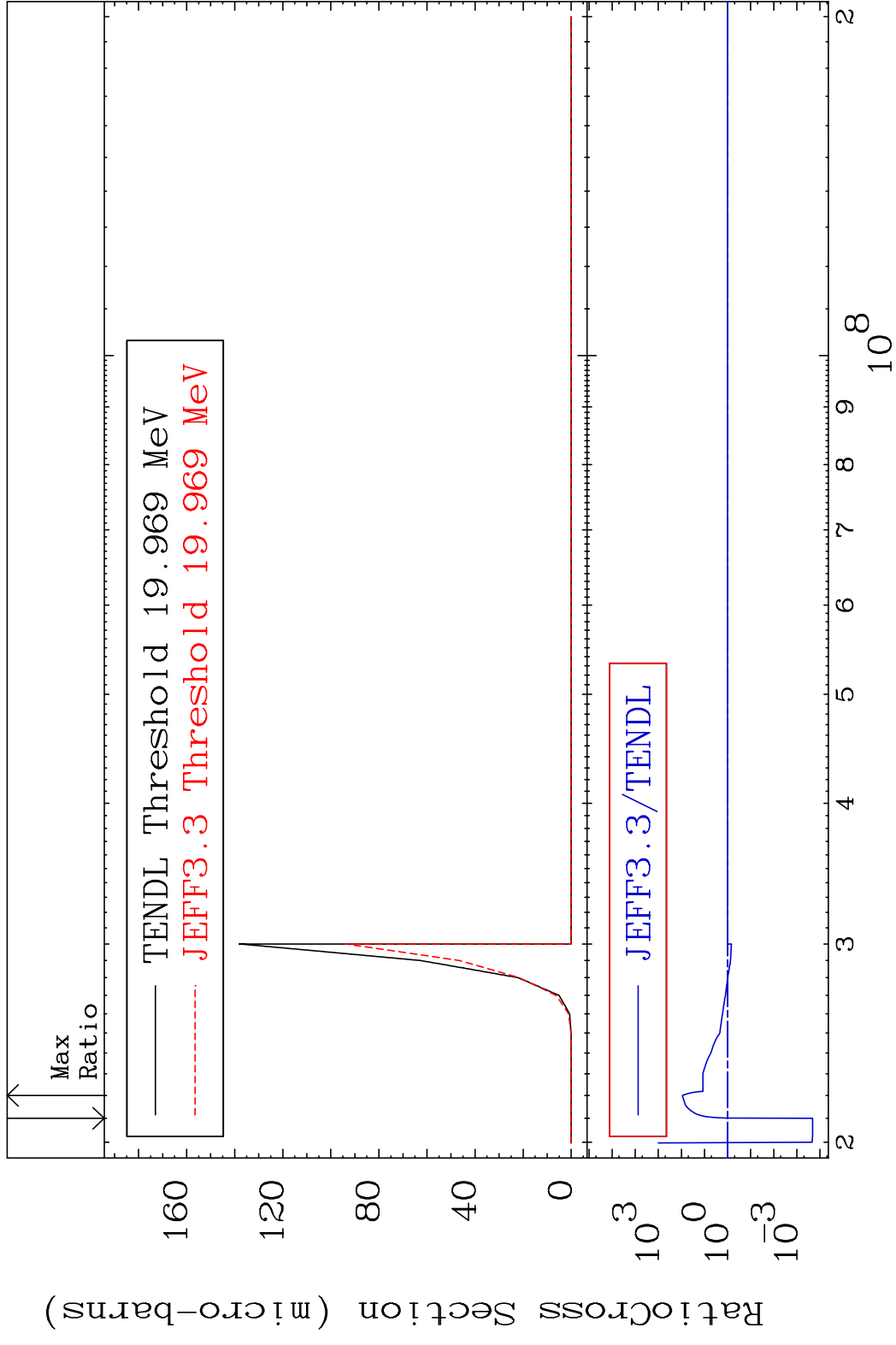


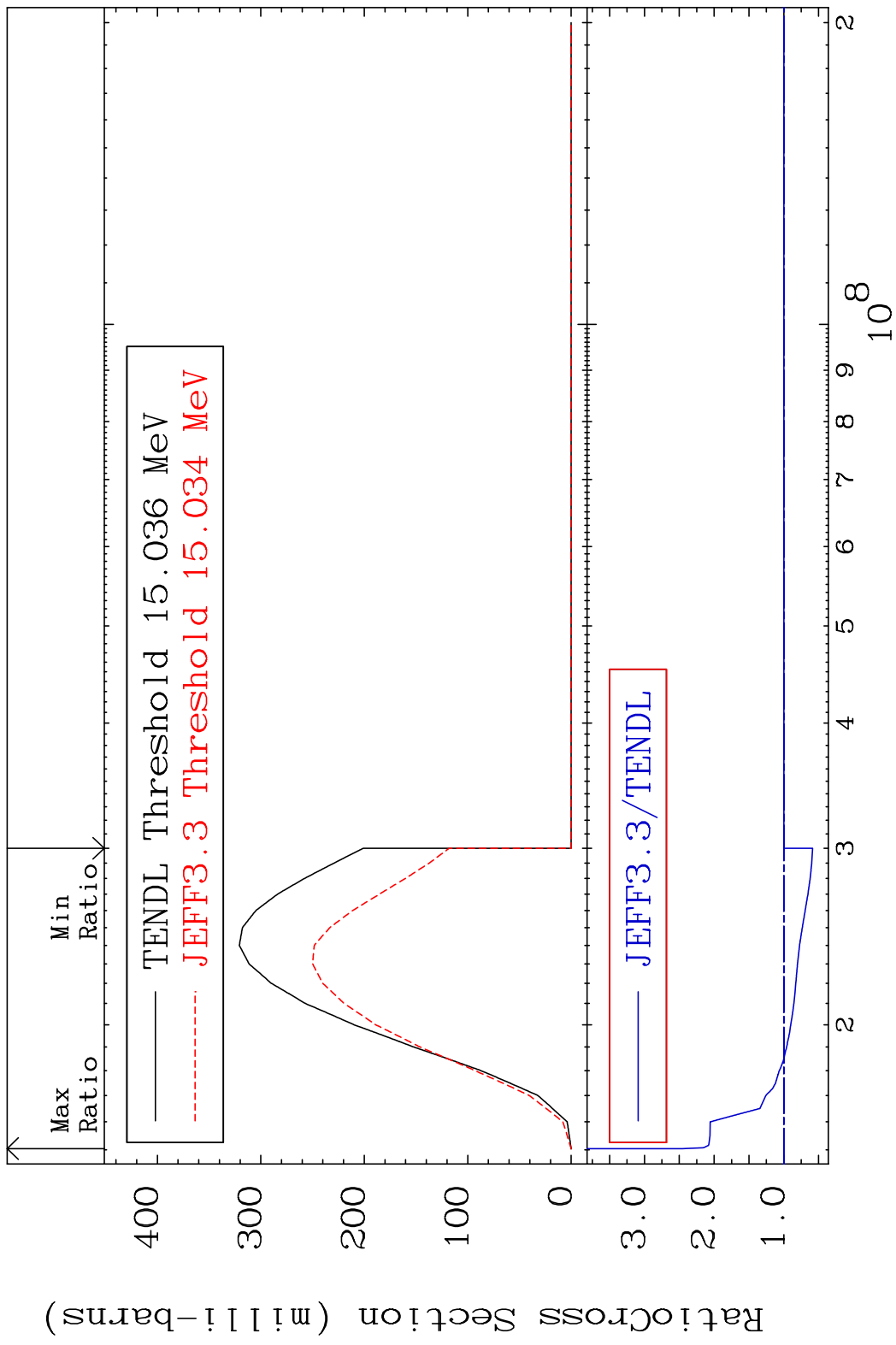


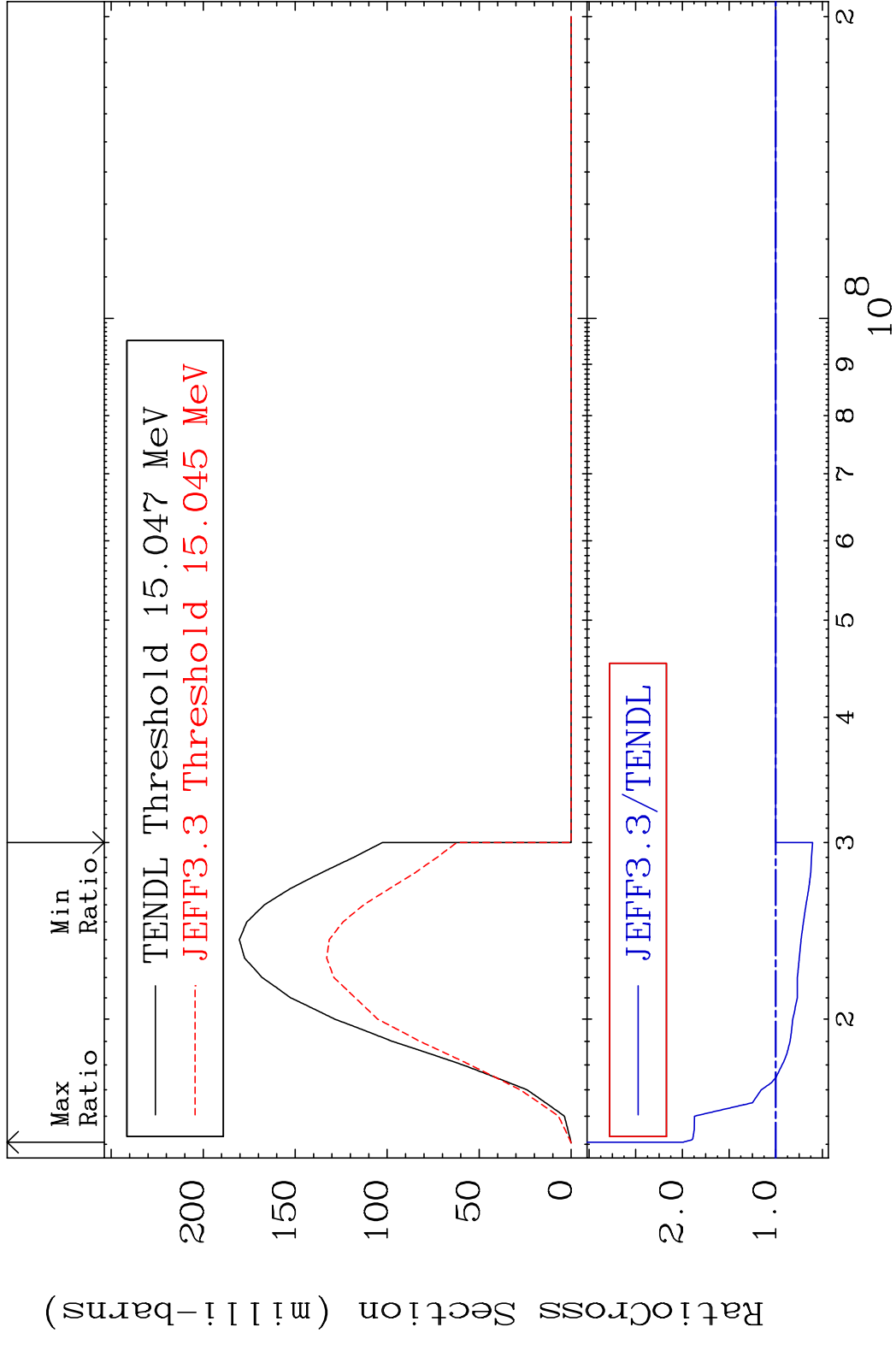


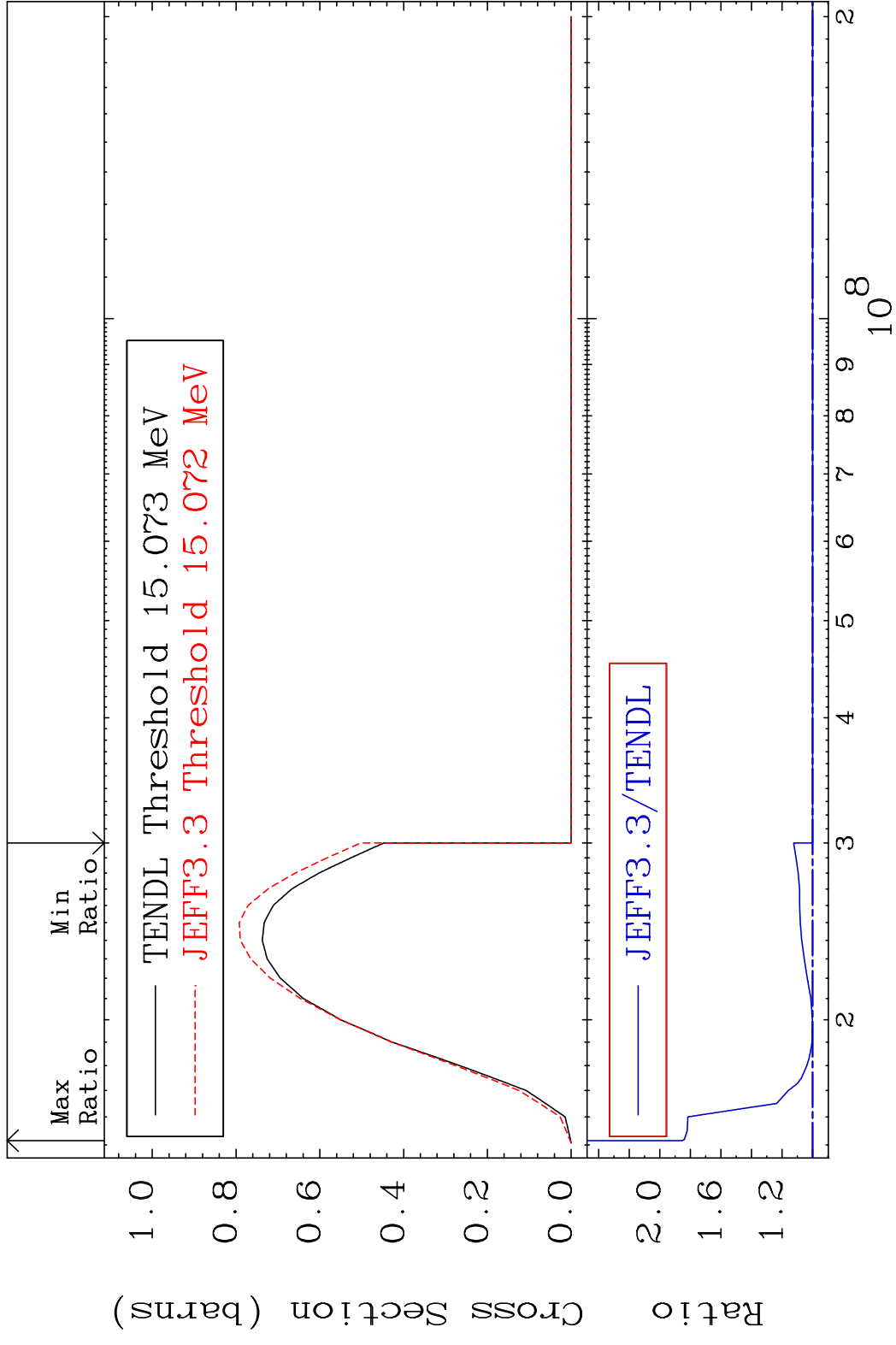


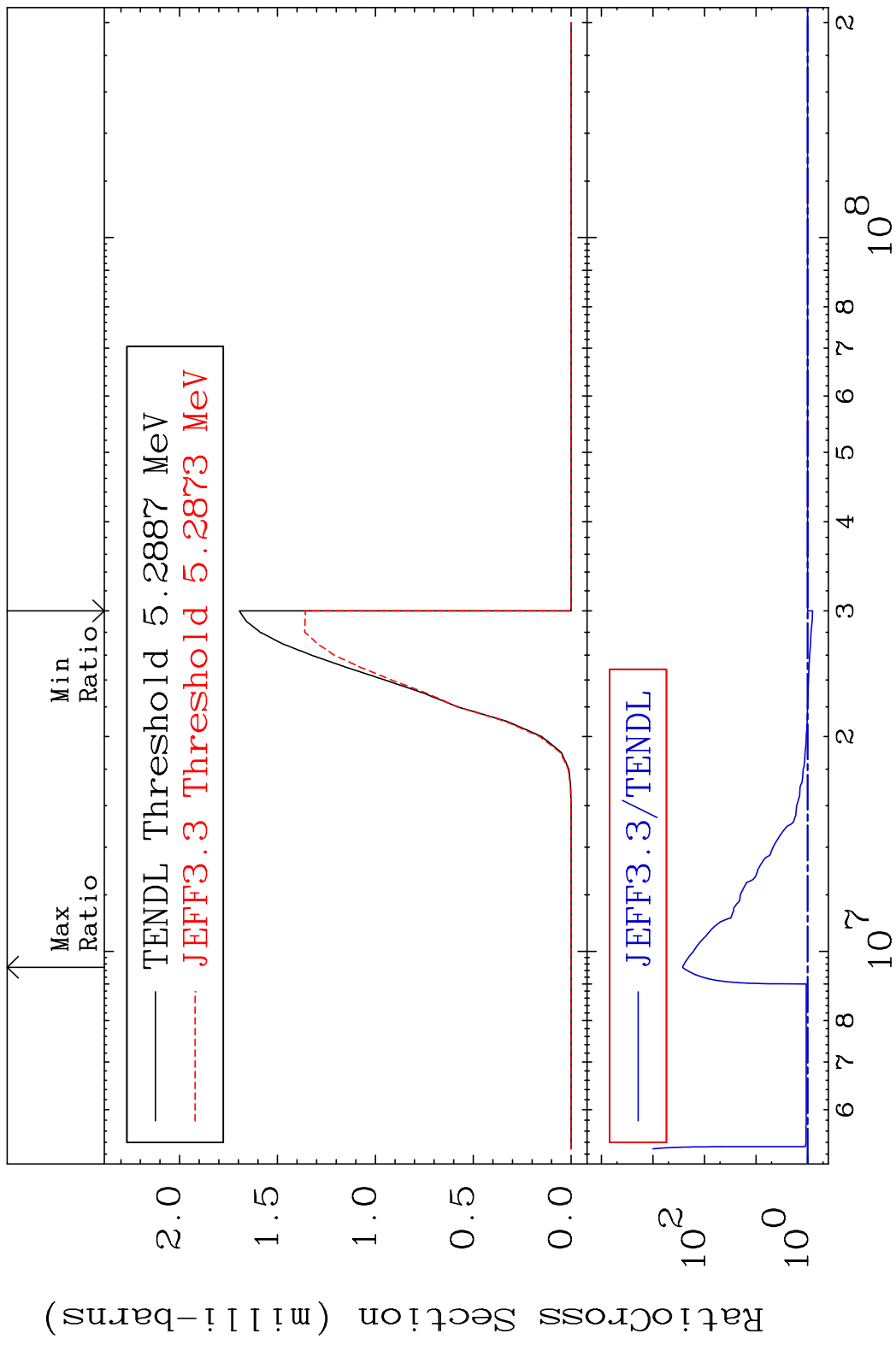
MAT 5140 (n,2n) d:50-Sn-123m1 51-Sb-126
 Radionuclide Production Cross Section 980981 d10 9002. %

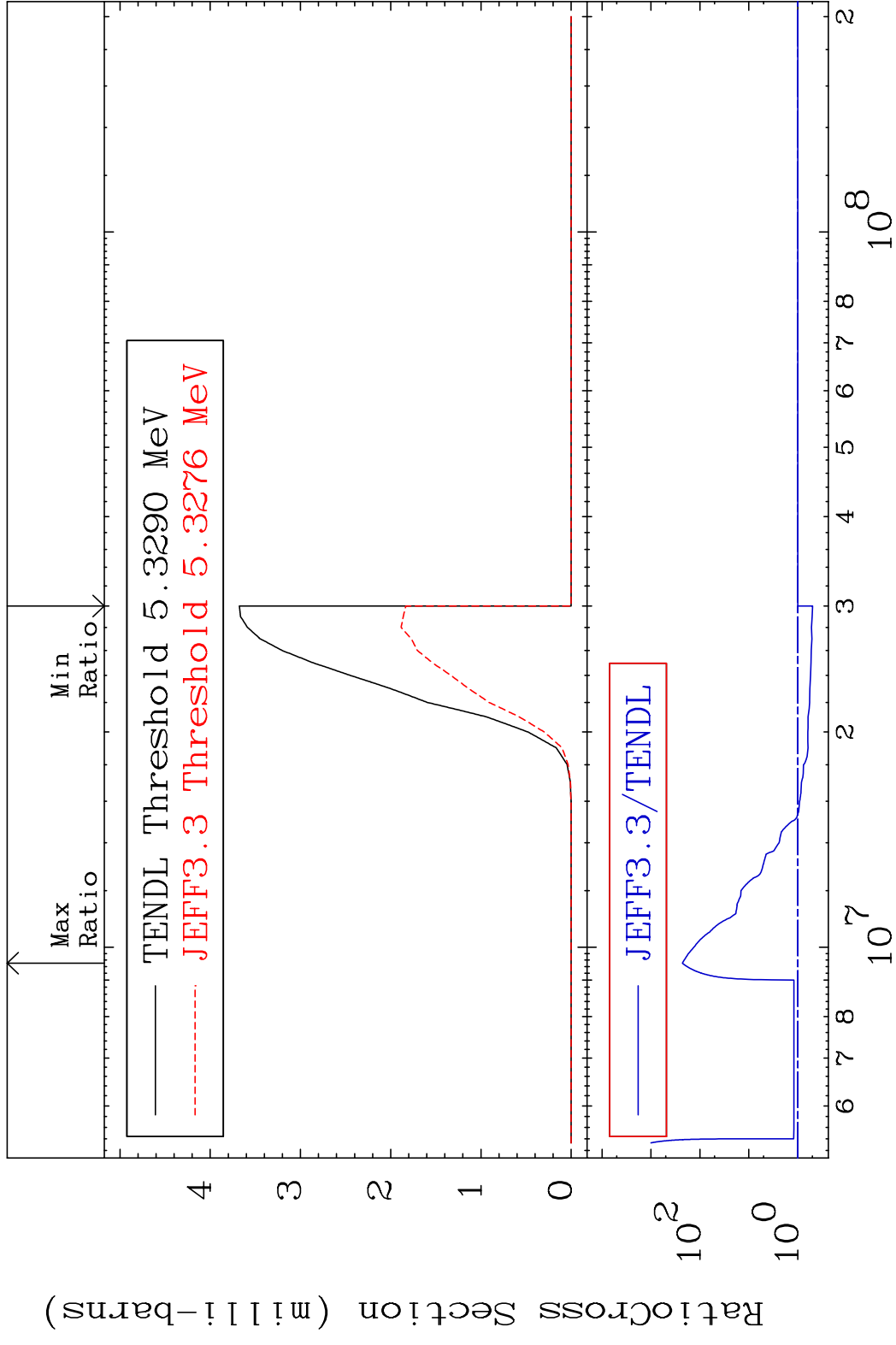


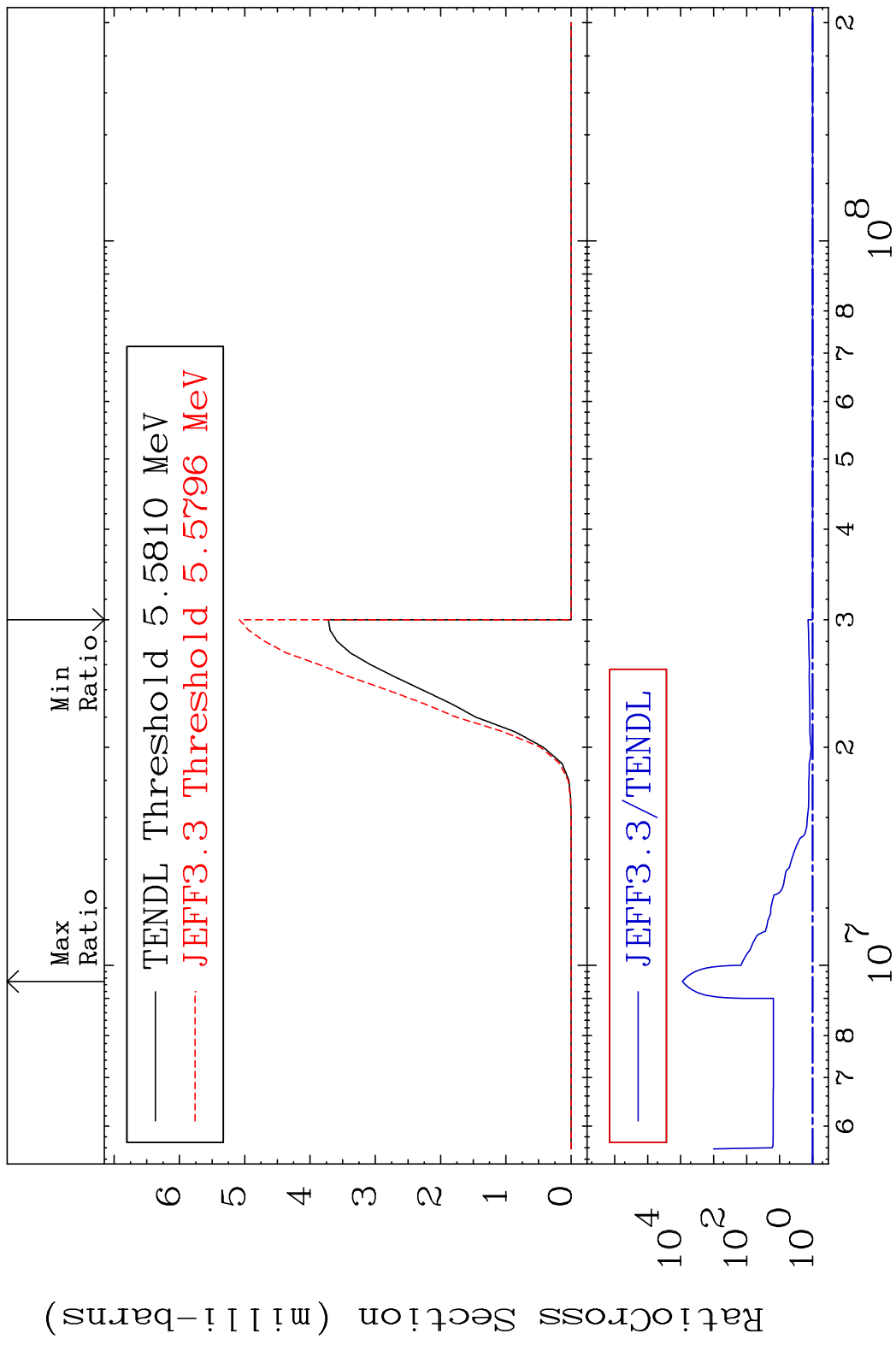


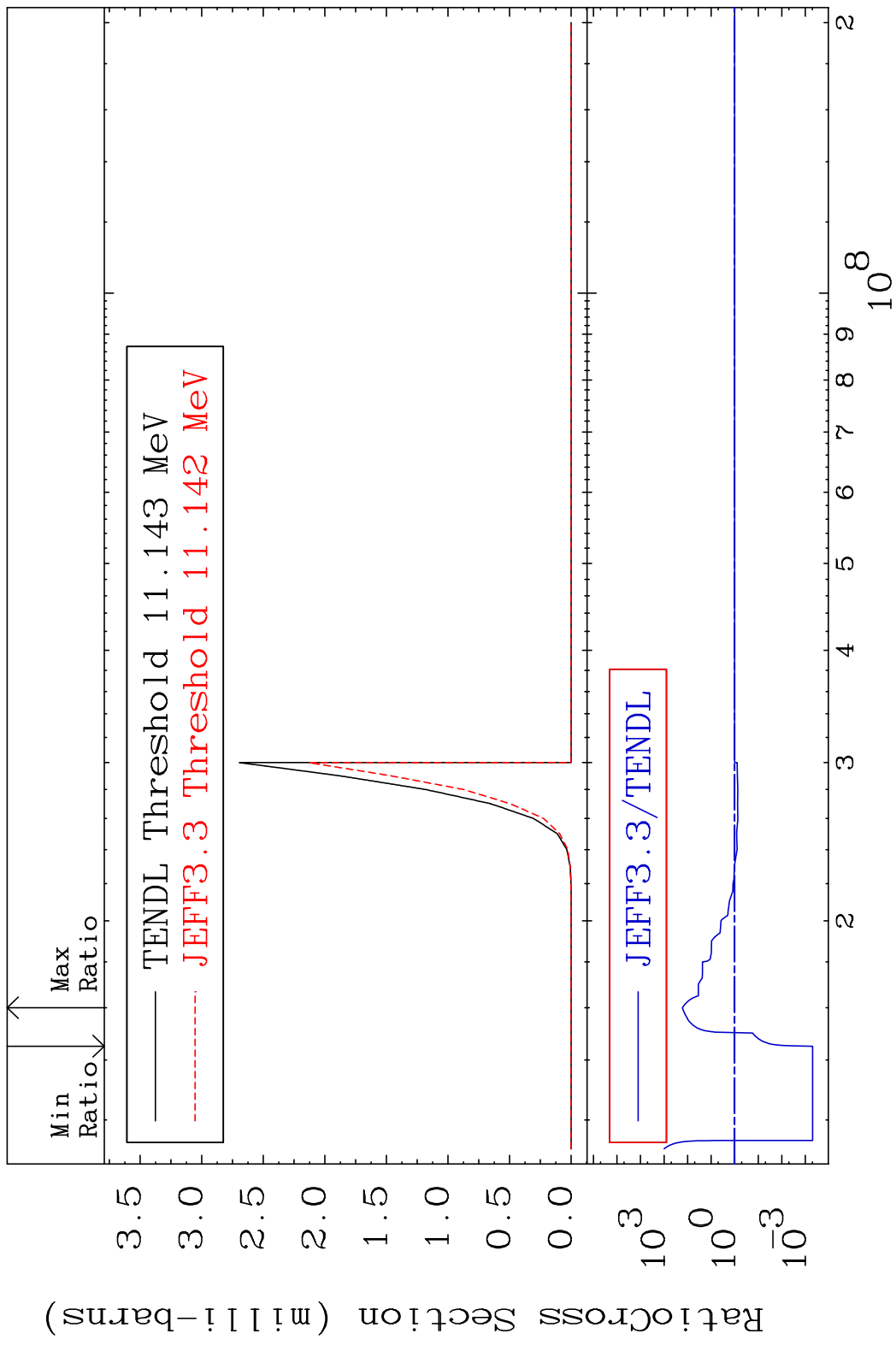


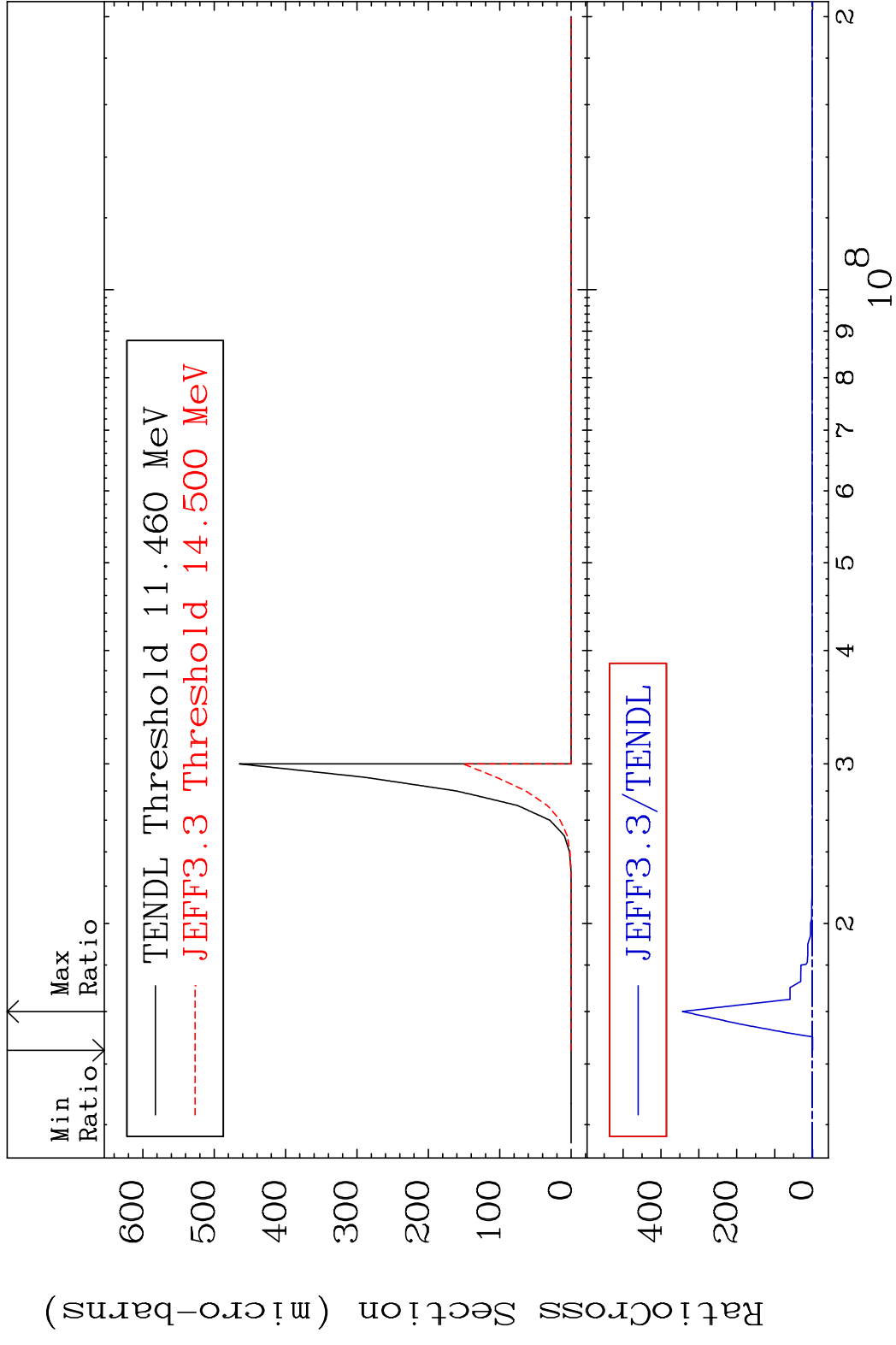


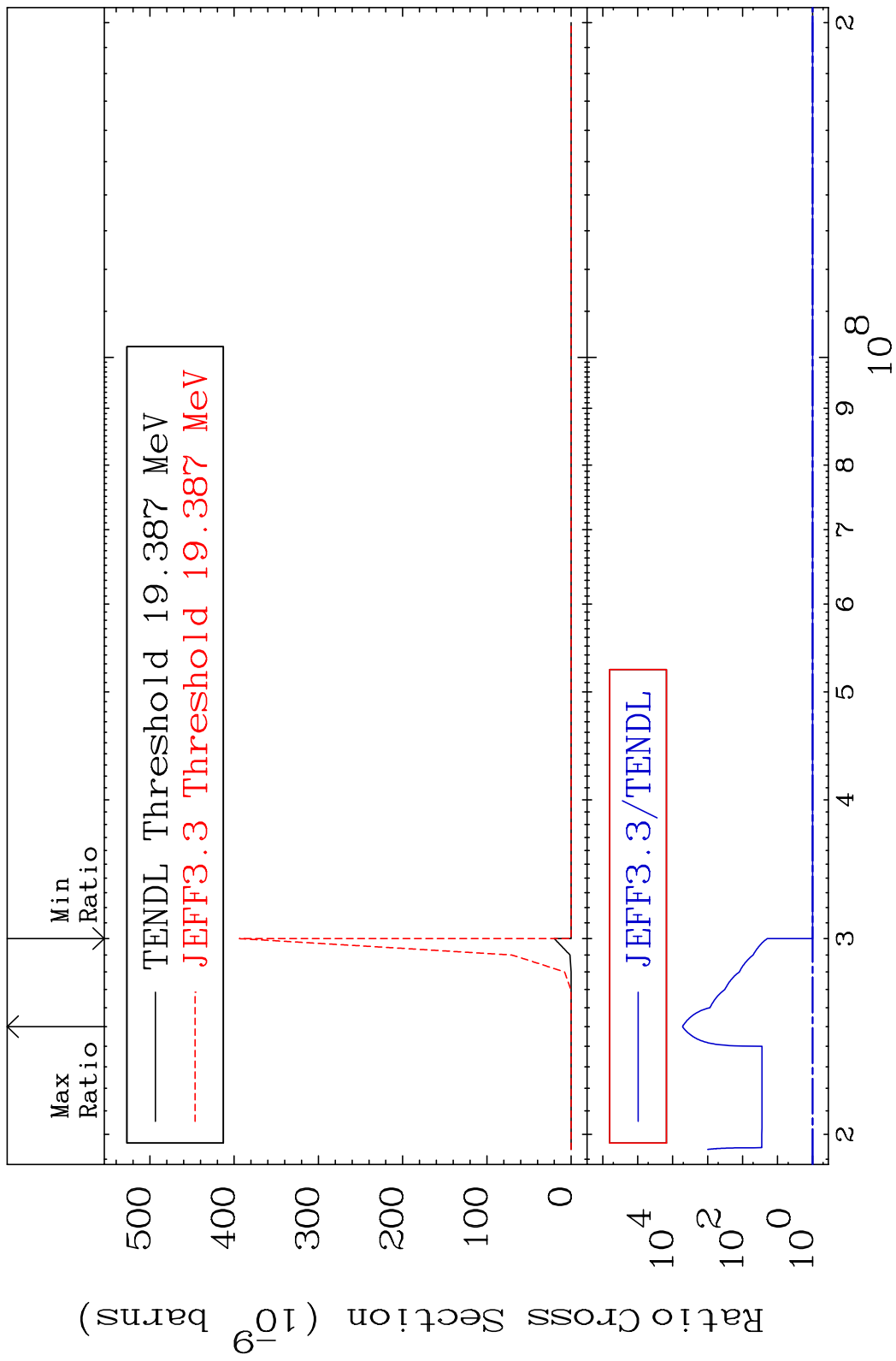




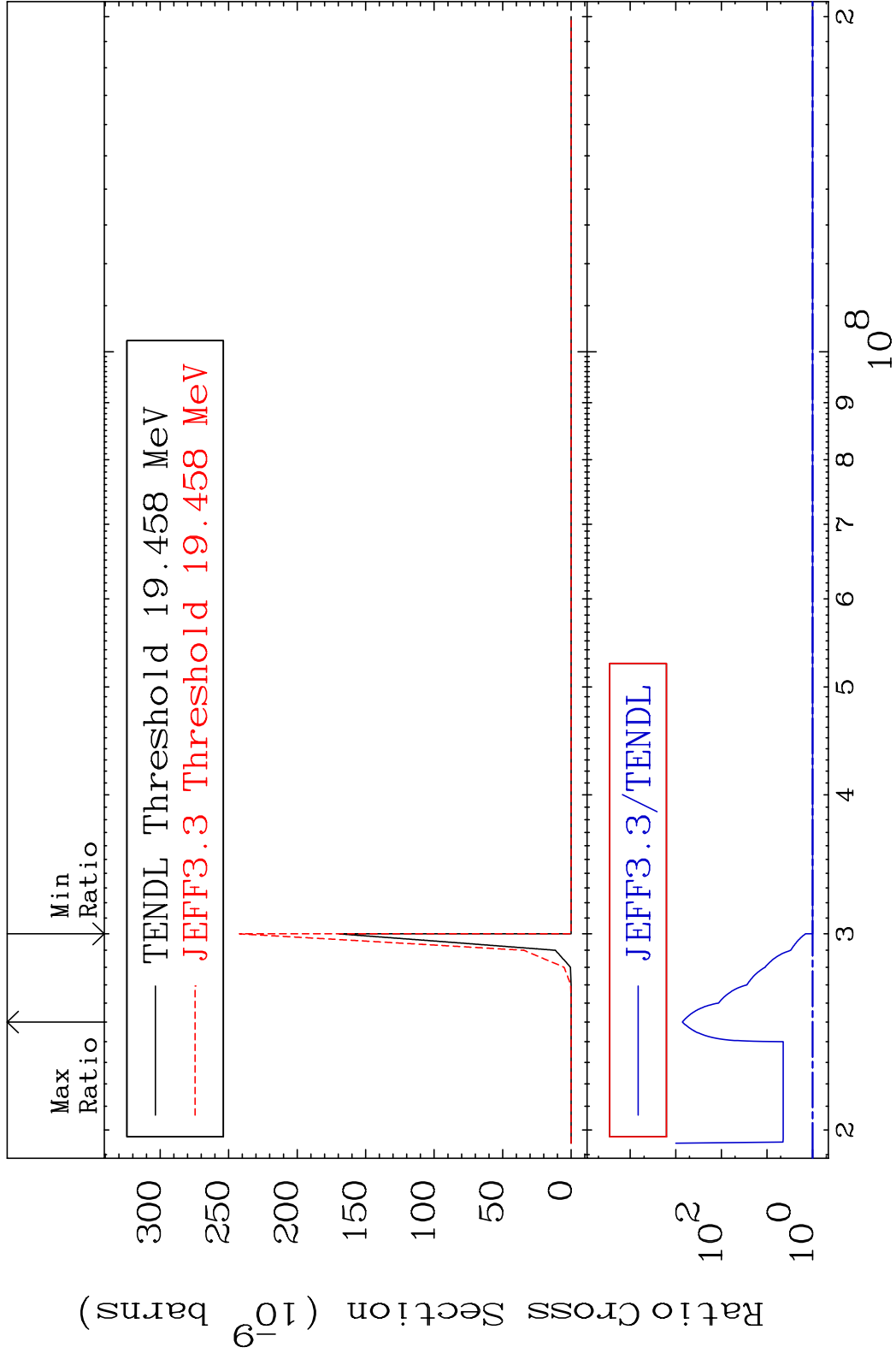


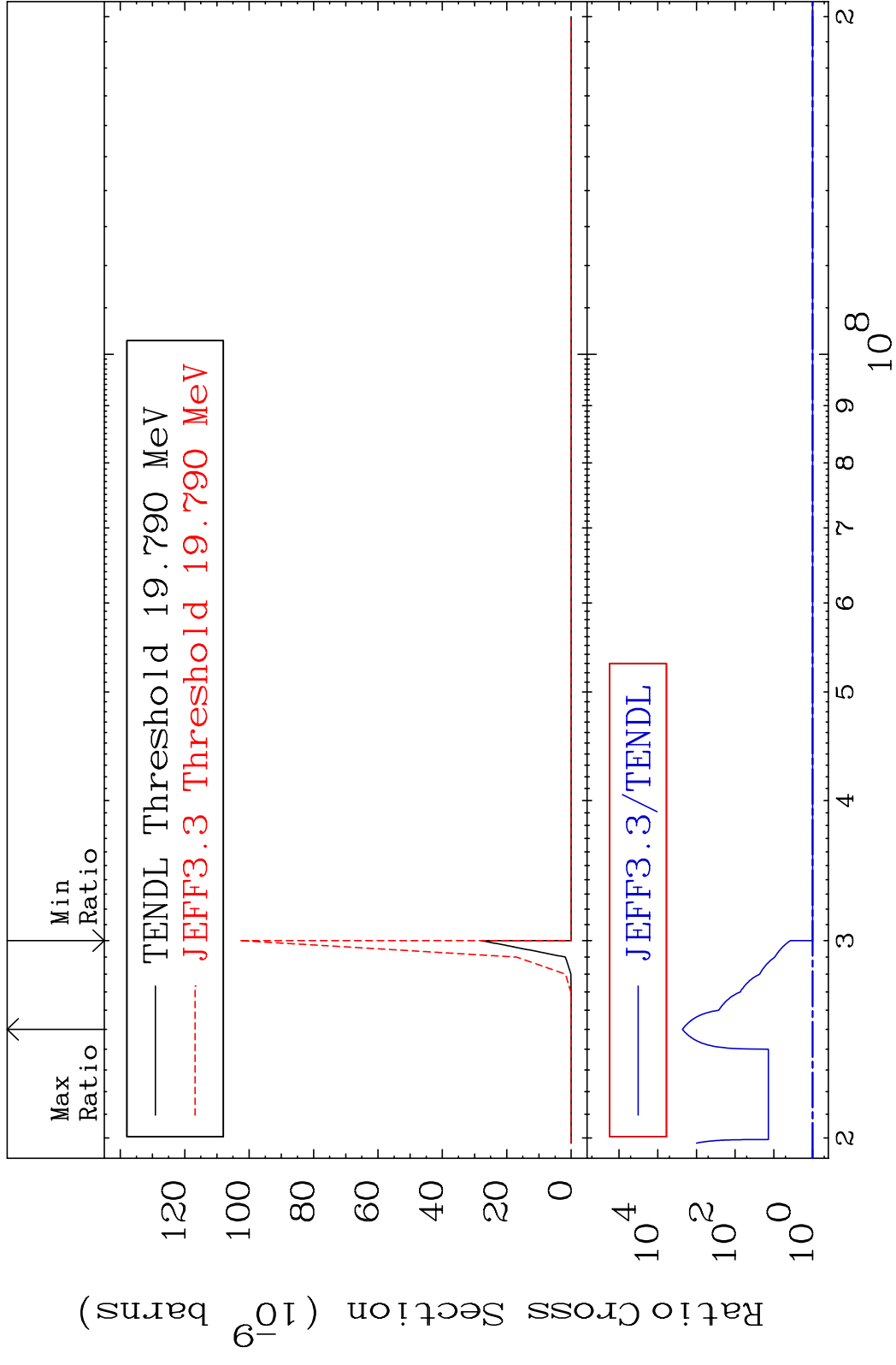




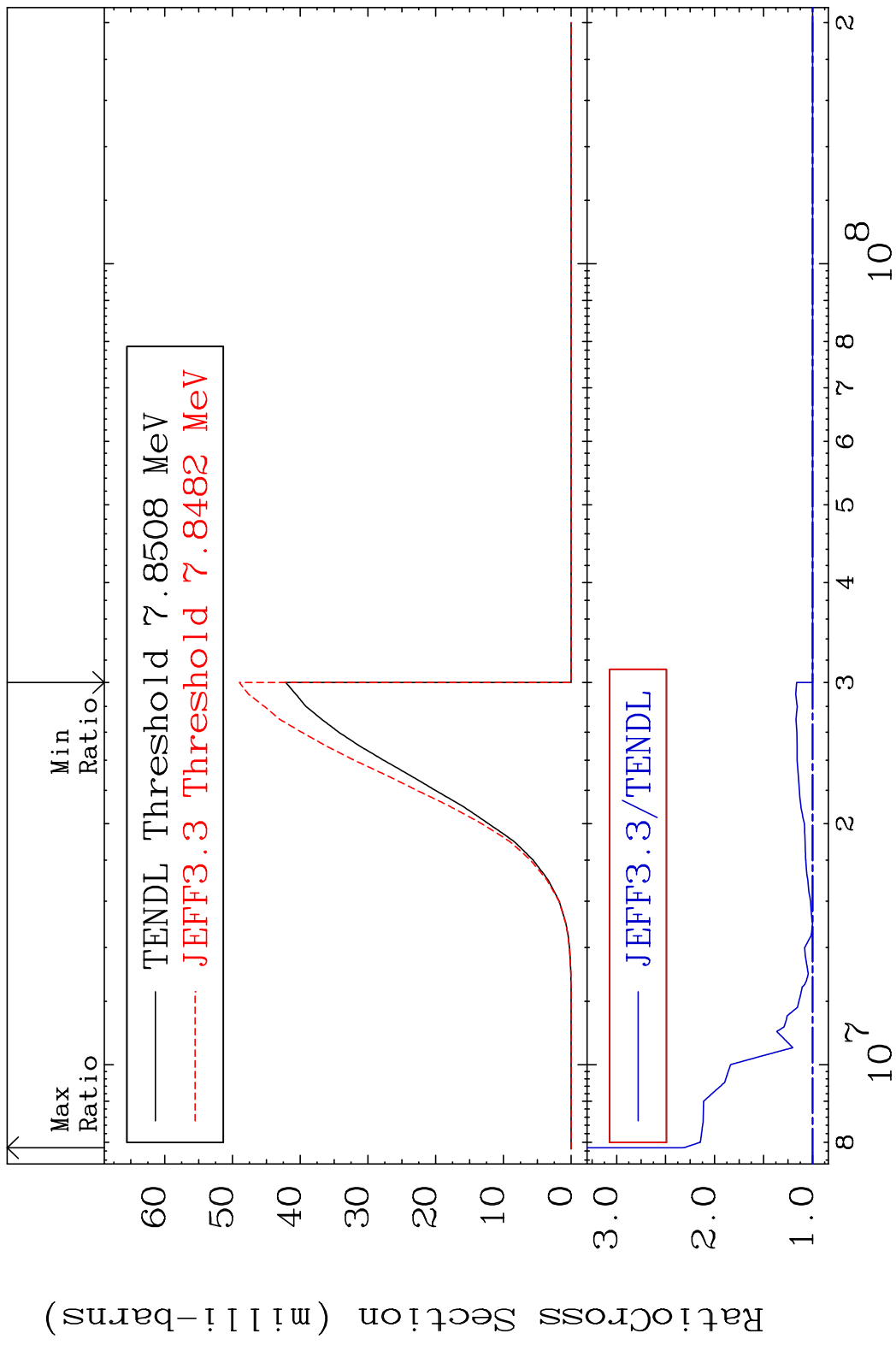


MAT 5140 (n,3n) α :49-In-120m1 51-Sb-126
 Radionuclide Production Cross Section, %

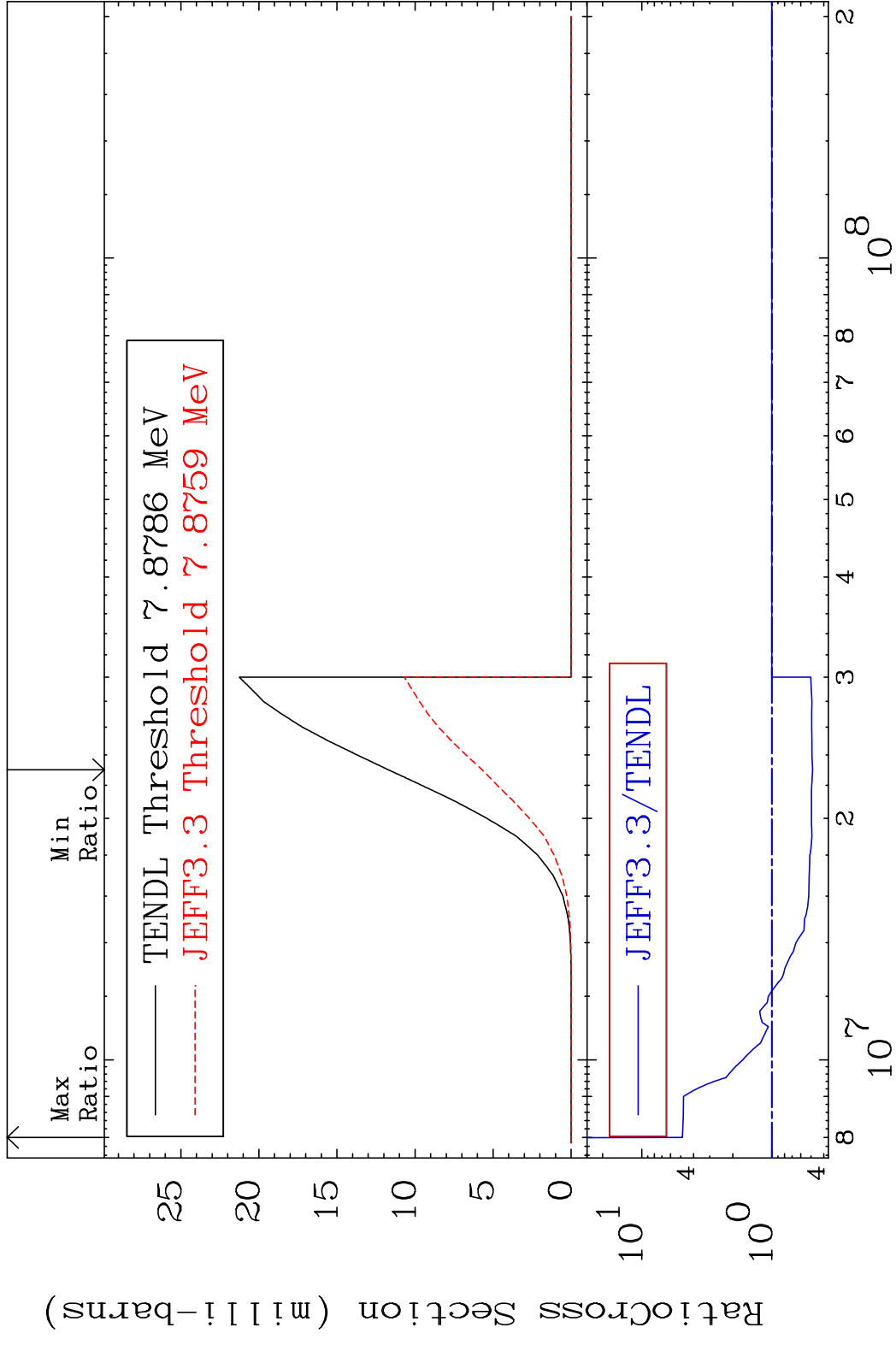


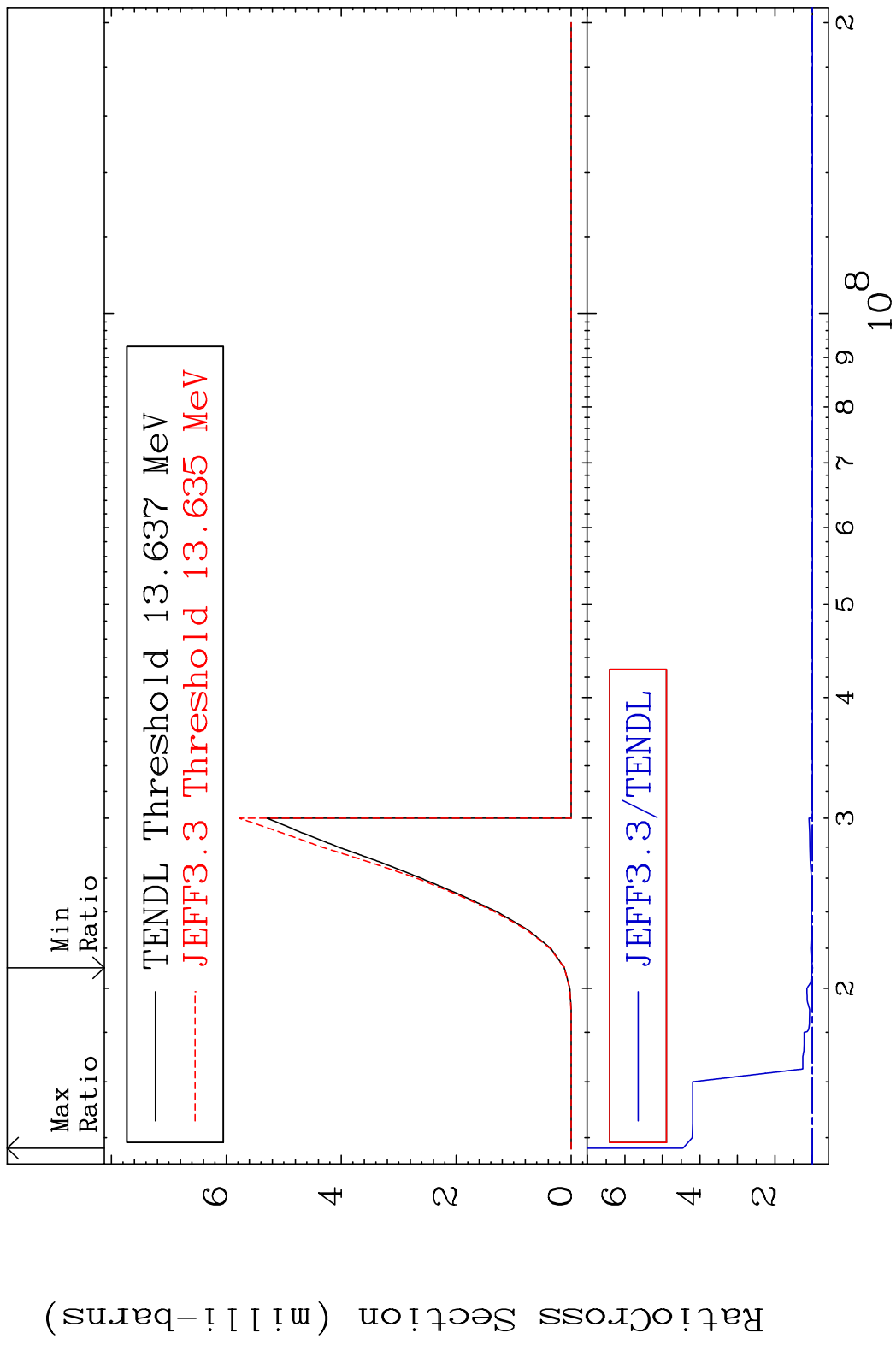


MAT 5140 (n, n') p:50-Sn-125g 51-Sb-126
 Radionuclide Production Cross Section 132.9 %

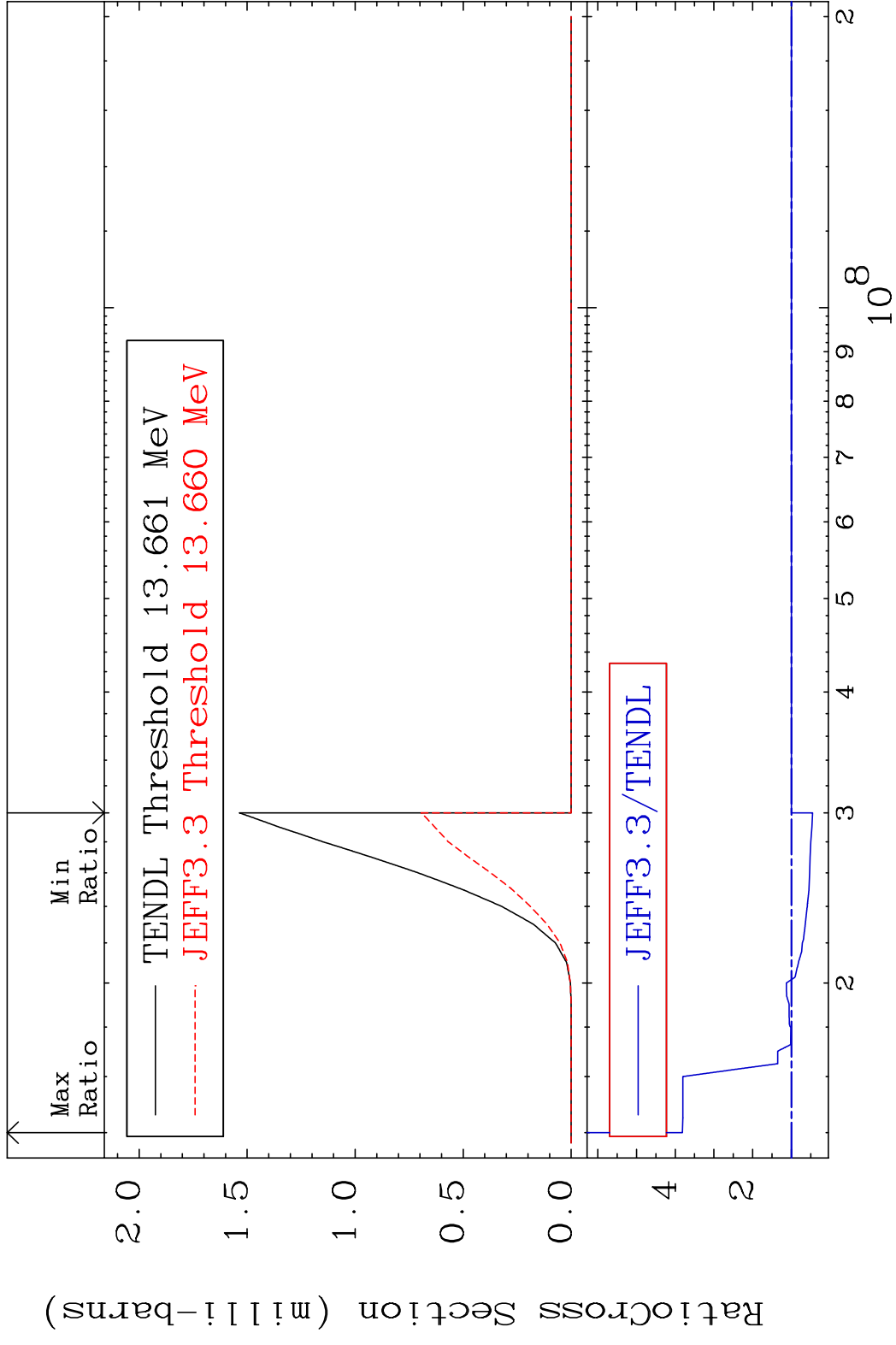


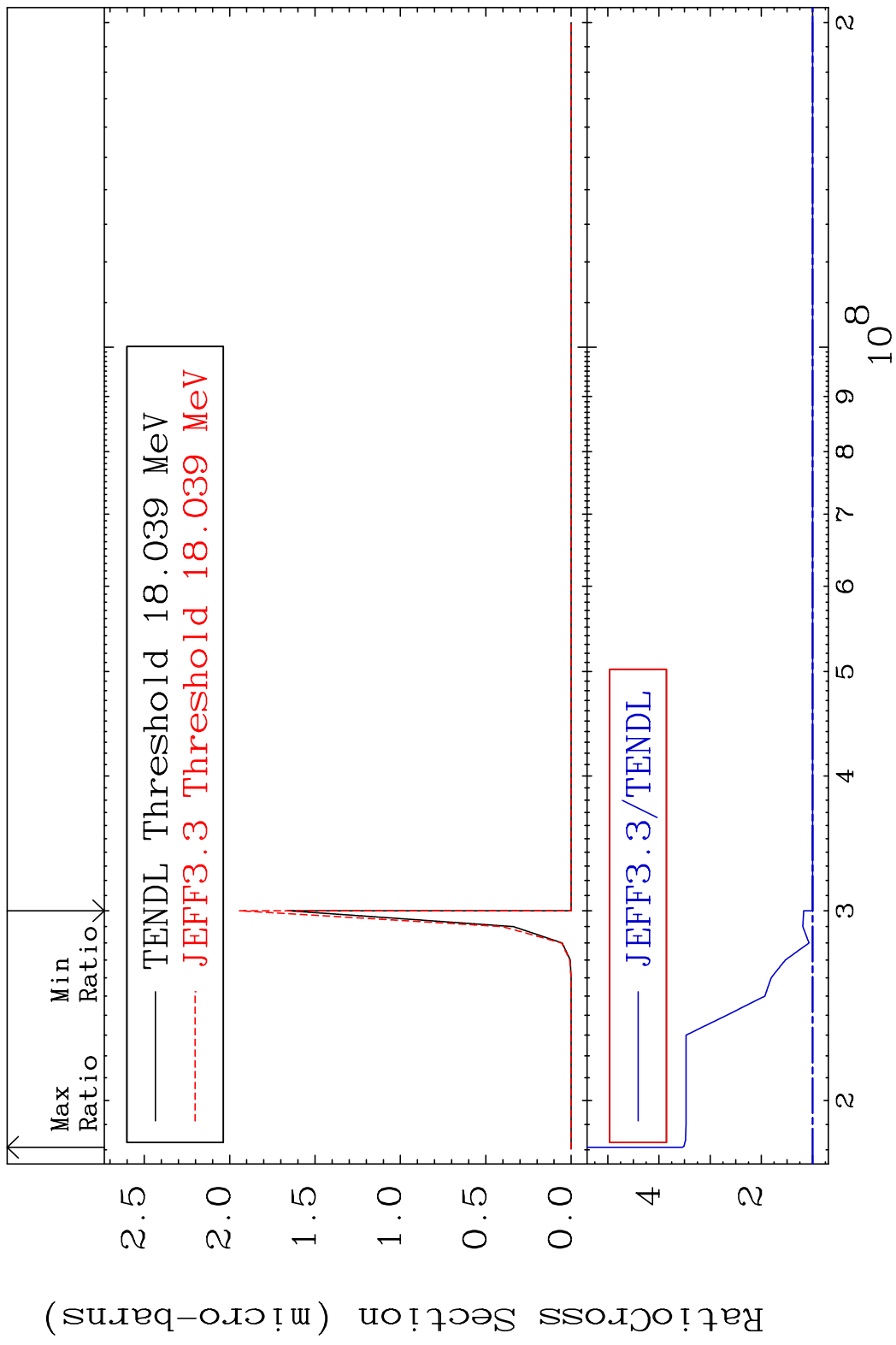
MAT 5140 (n, n') p:50-Sn-125m1 51-Sb-126
 Radionuclide Production Cross Section 387.2 %

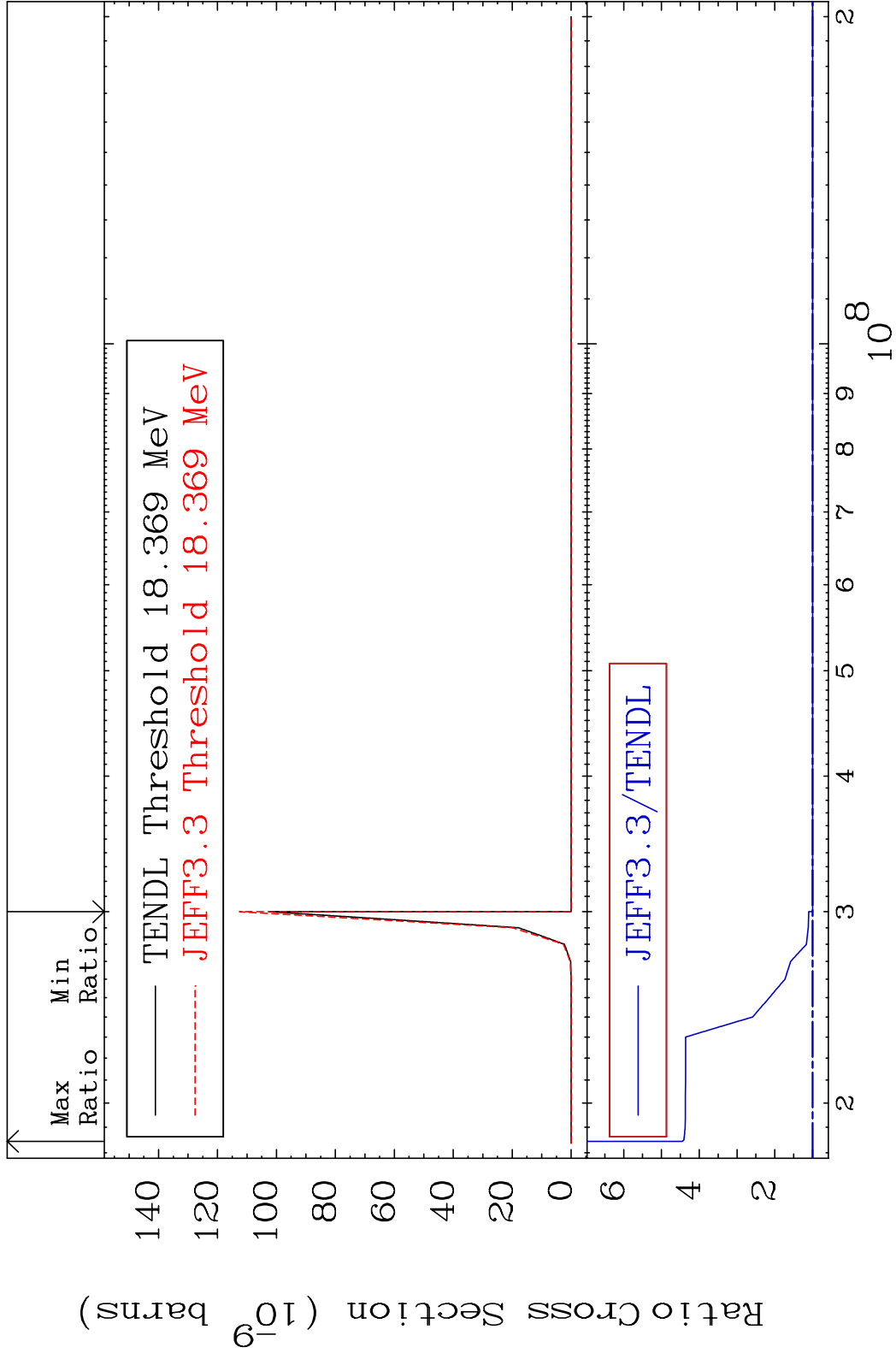


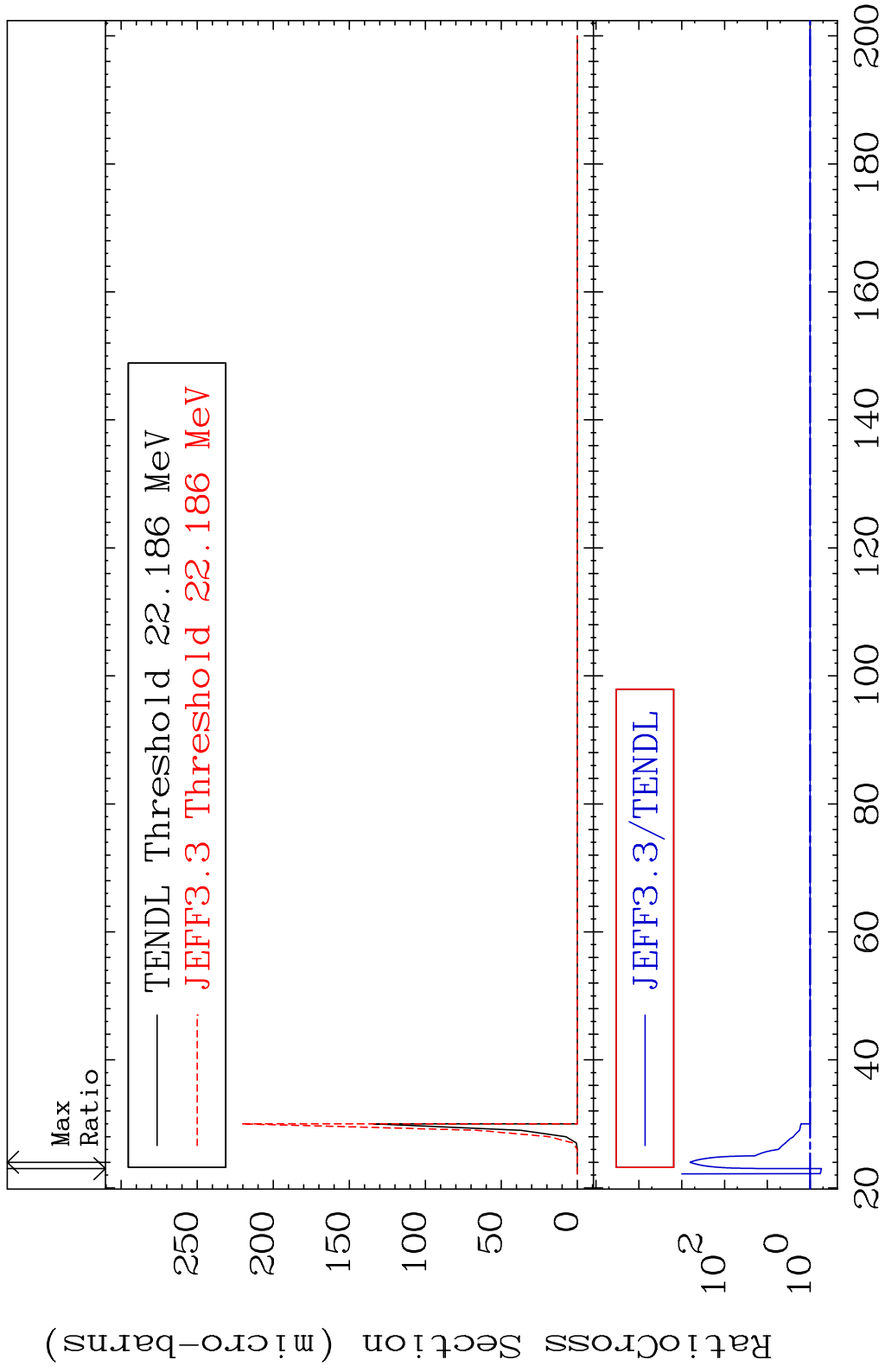


MAT 5140 (n, n') t:50-Sn-123m1 51-Sb-126
 Radionuclide Production Cross Section 51.65 dth 281.5 %

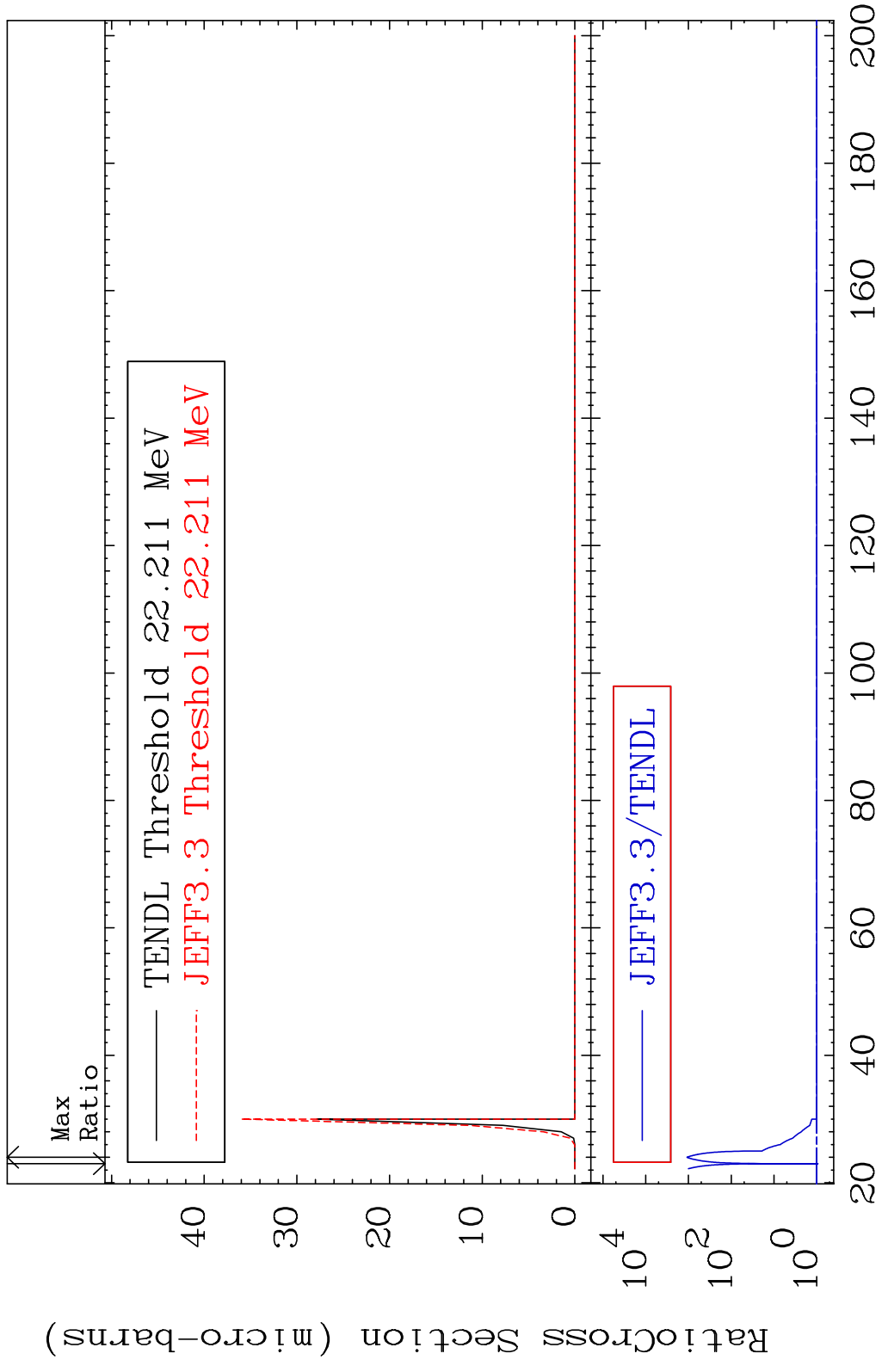


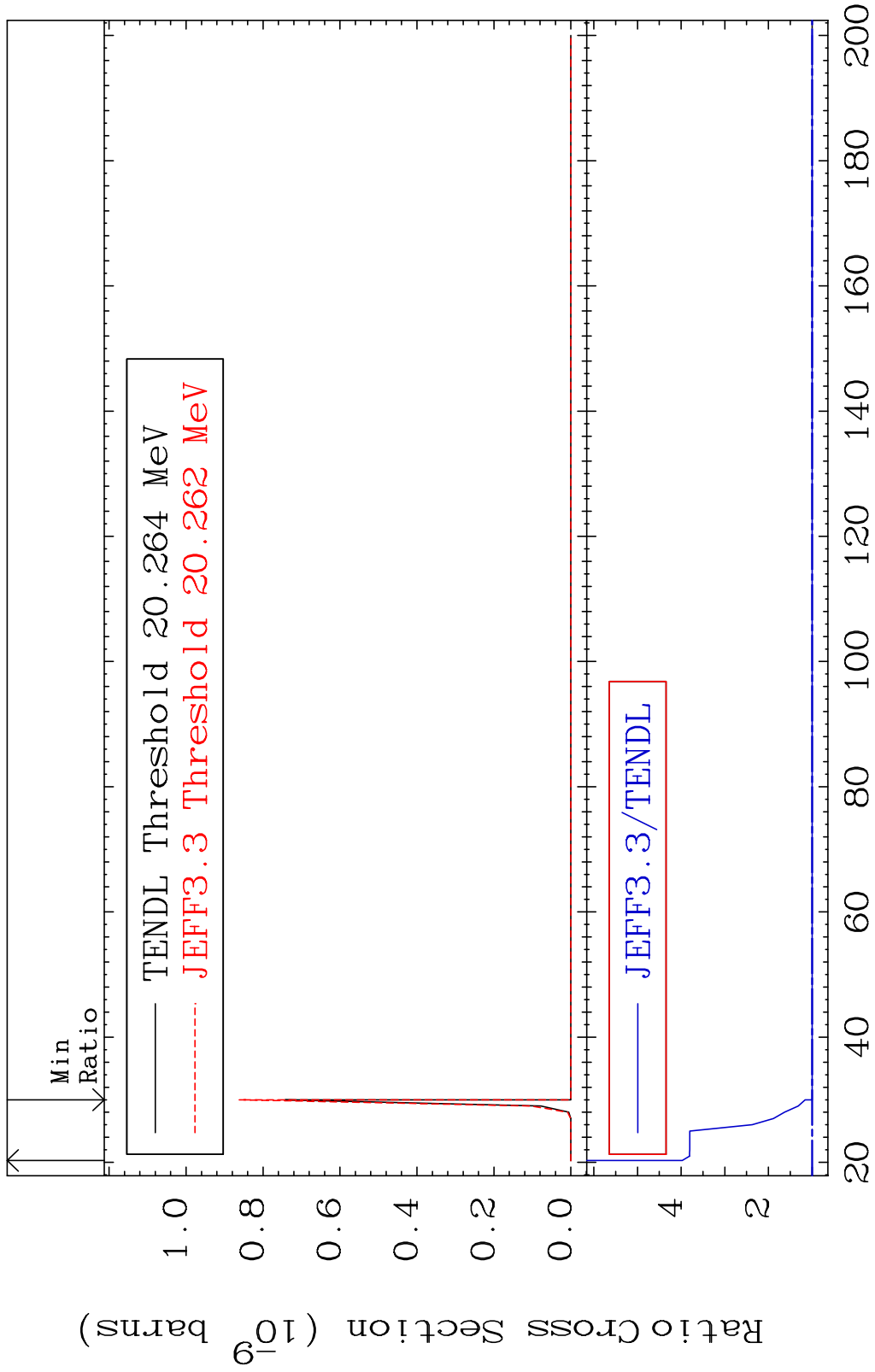


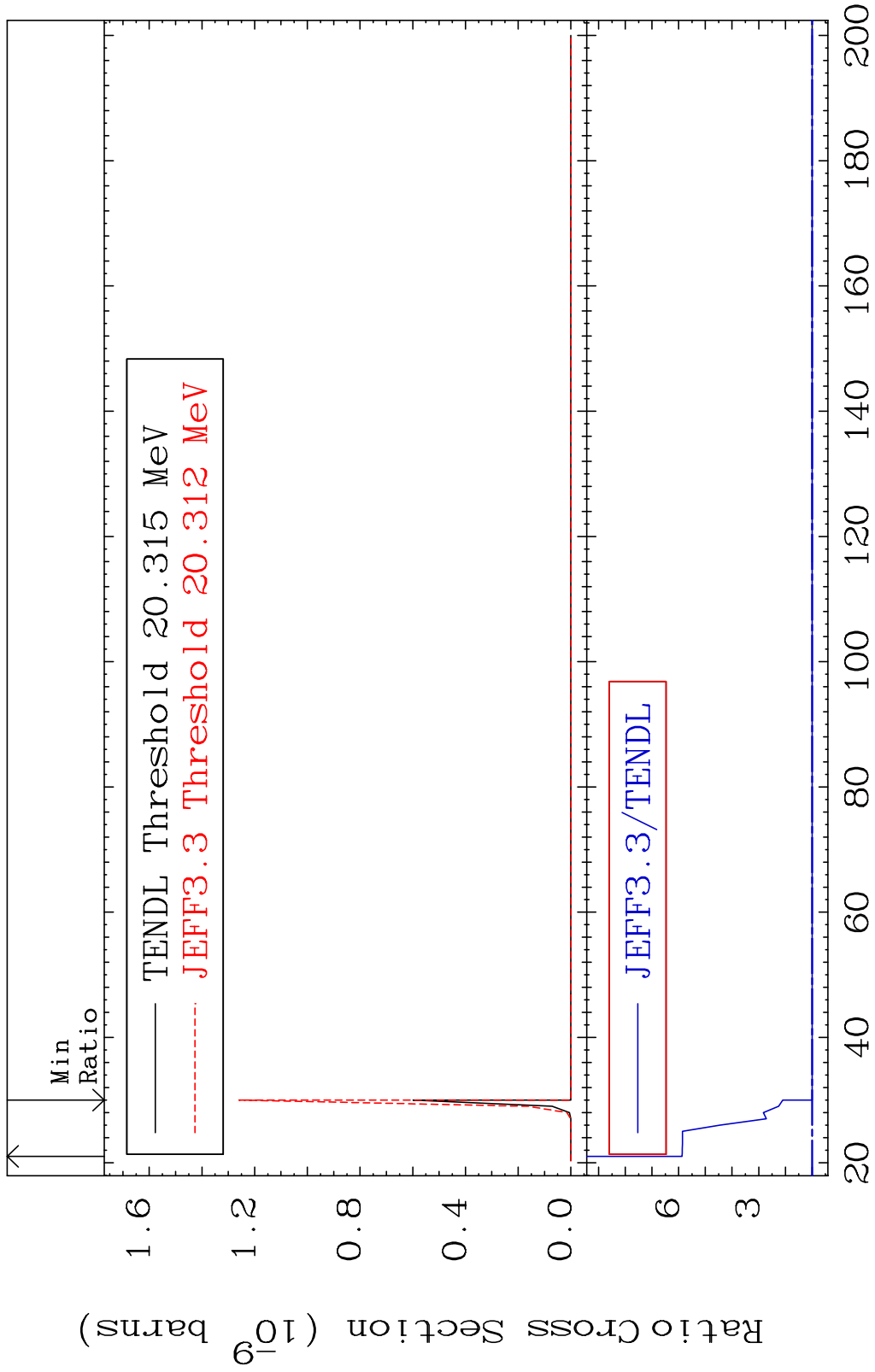


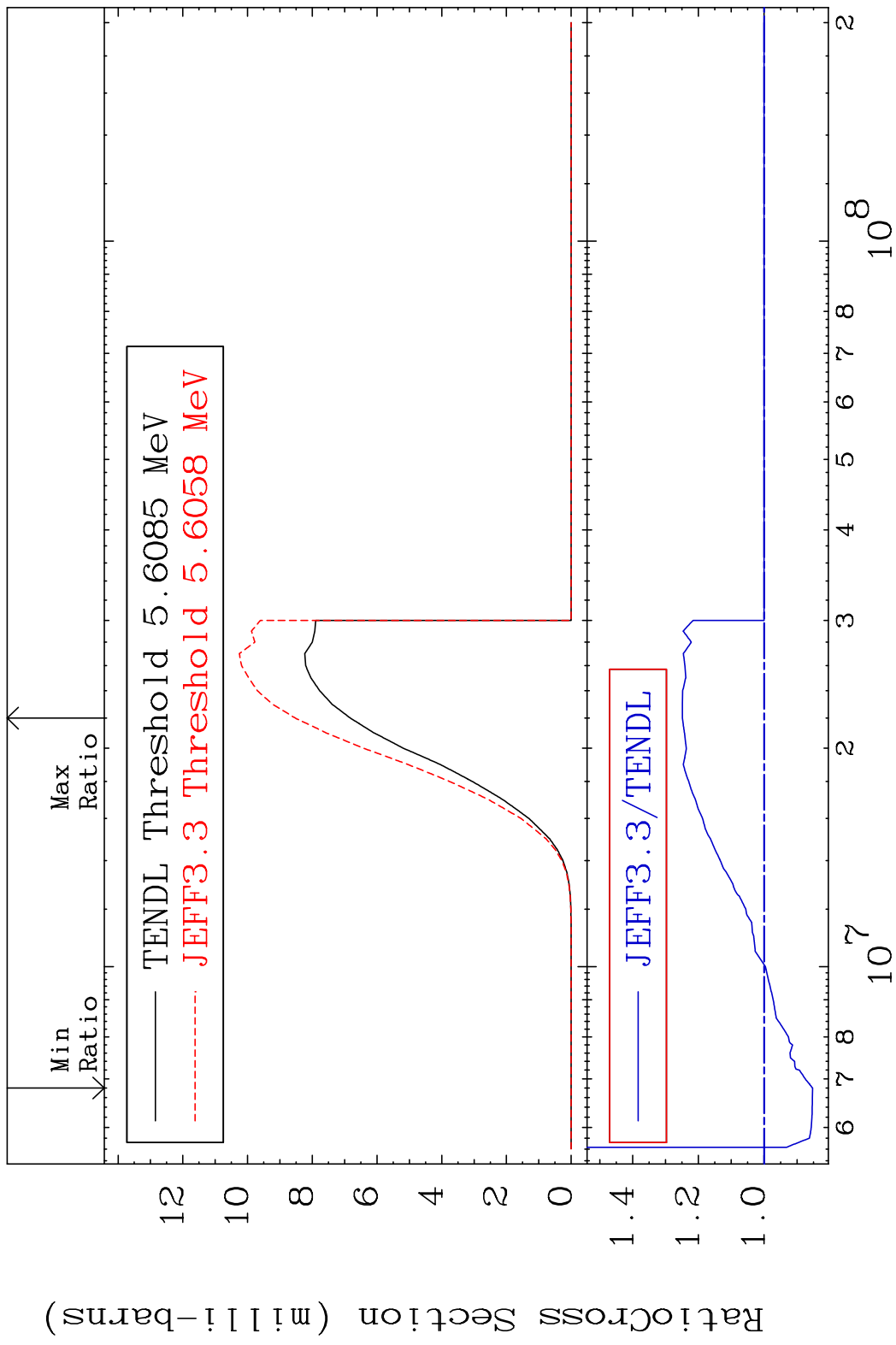


MAT 5140 (n,3n) p:50-Sn-123m1 51-Sb-126
 Radionuclide Production Cross-Section to 9999. %









MAT 5140 (n, d):50-Sn-125m1 51-Sb-126
 Radionuclide Production Cross Section Efficiency 0.000 %

