

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

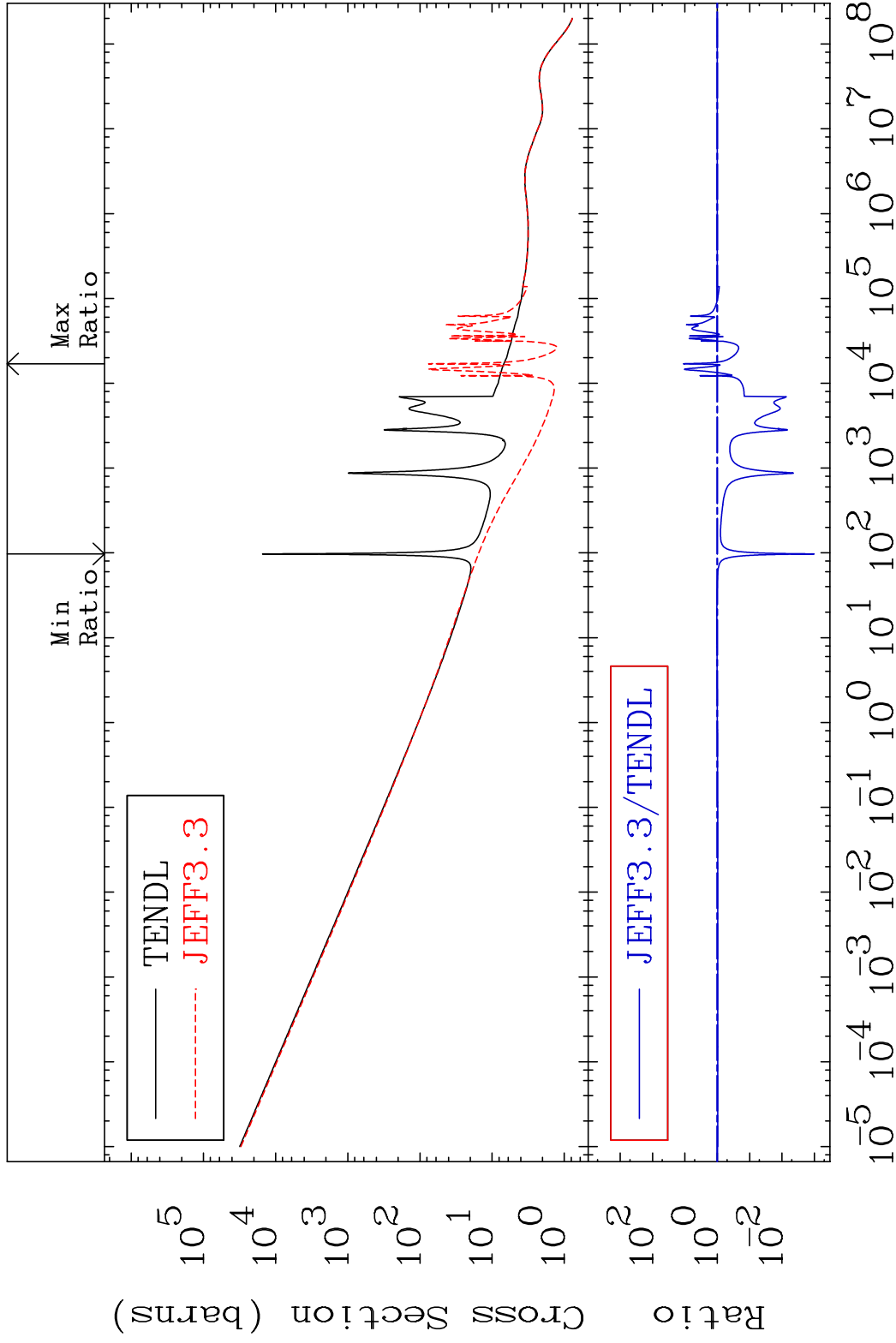
Press Mouse Button to Start

MAT 1834

Total

18-Ar-39

Cross Section -99.90 To 994.3 %



1

Incident Energy (eV)

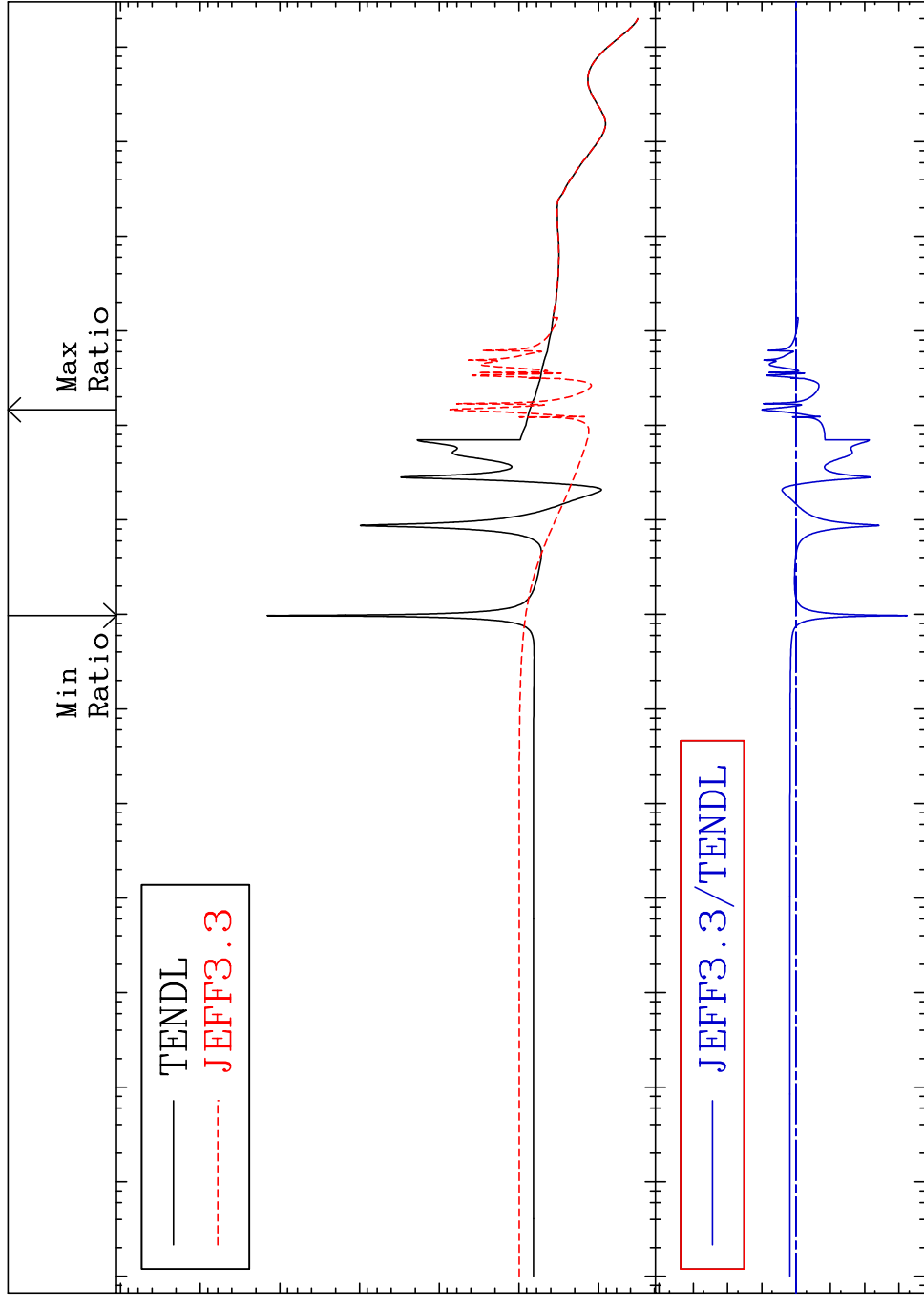
18-Ar-39

MAT 1834

Elastic

18-Ar-39

Cross Section -99.94 To 901.4 %



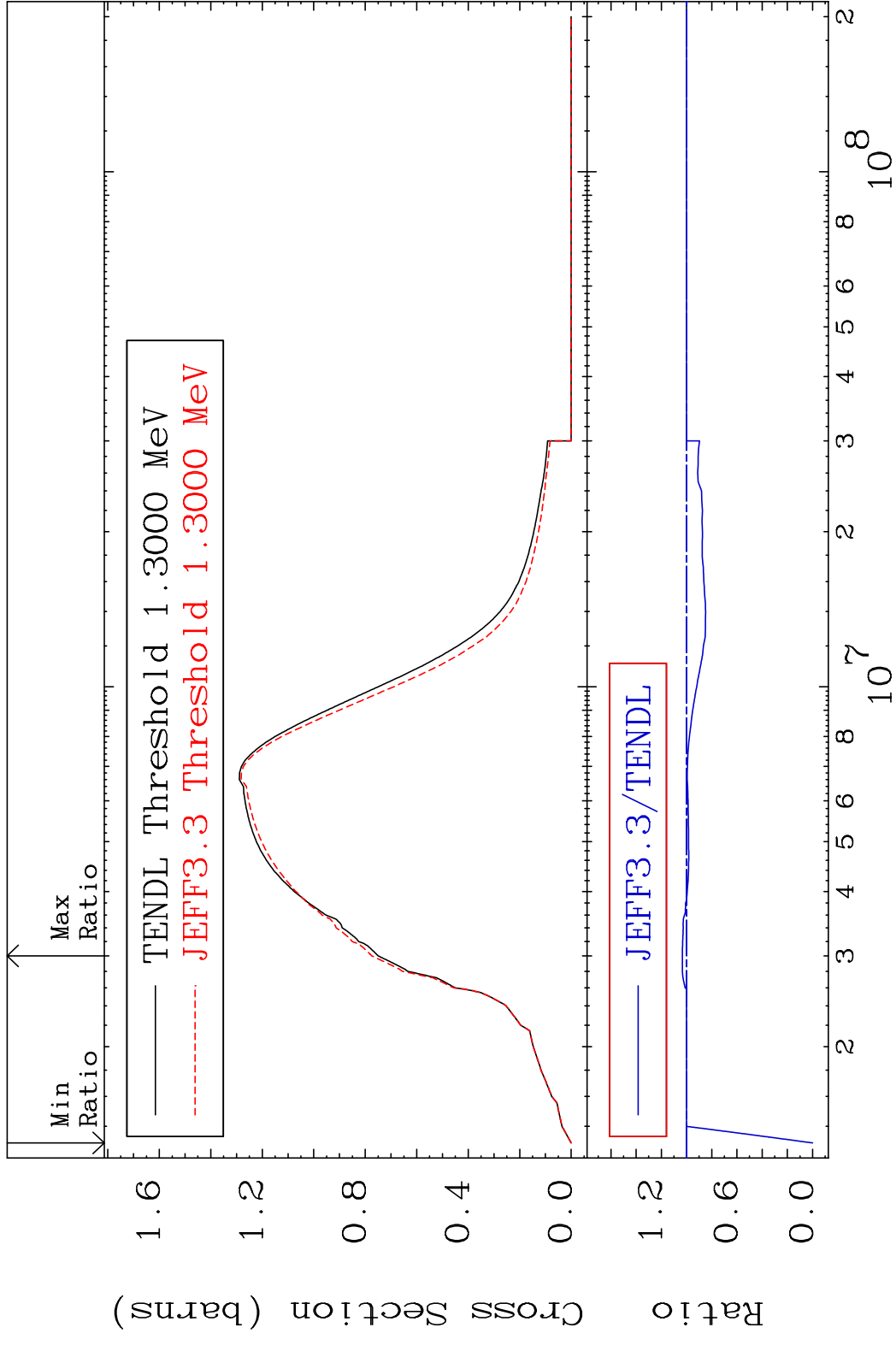
Cross Section (barns)
Ratio

Incident Energy (eV)

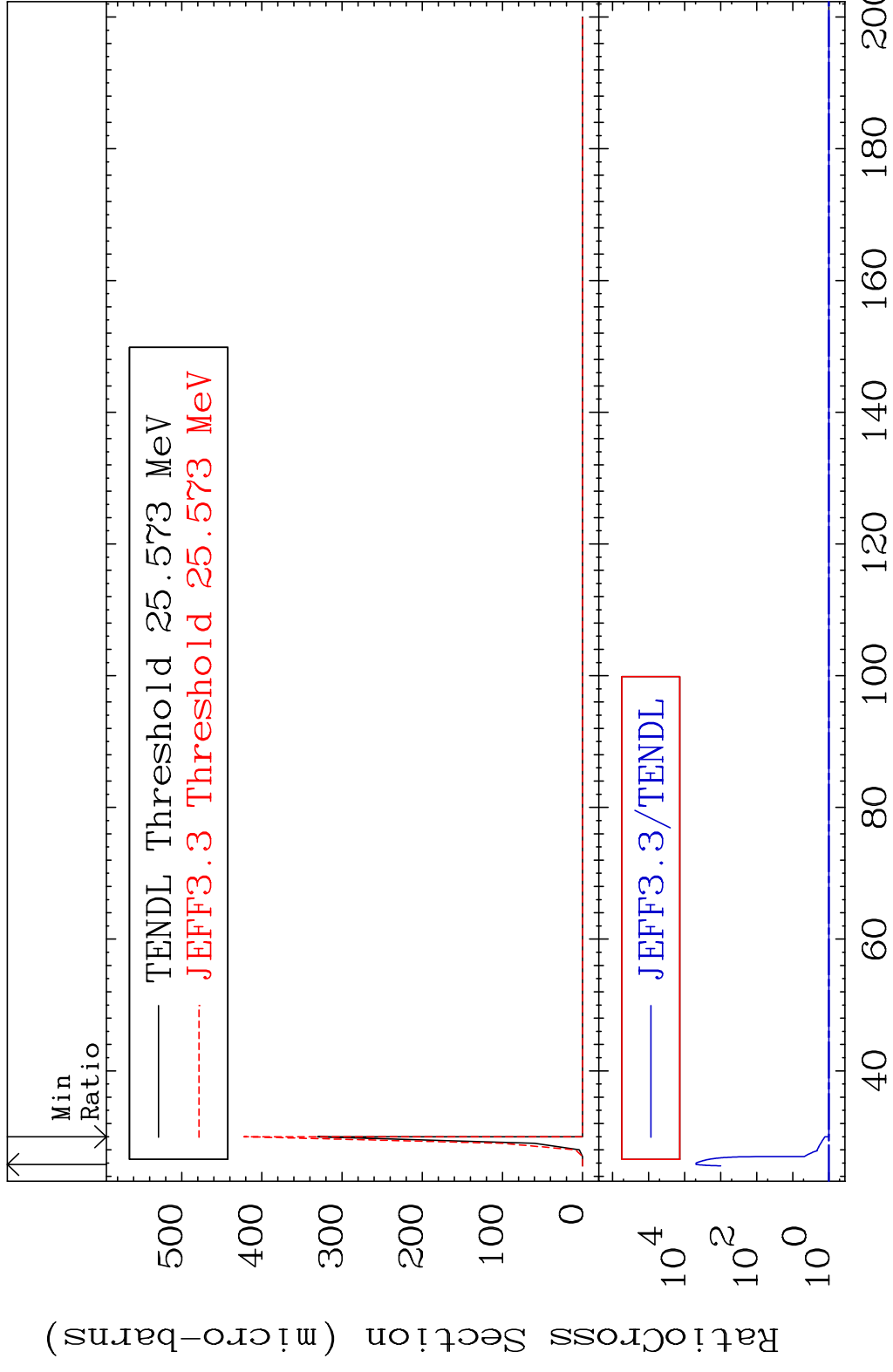
2

18-Ar-39

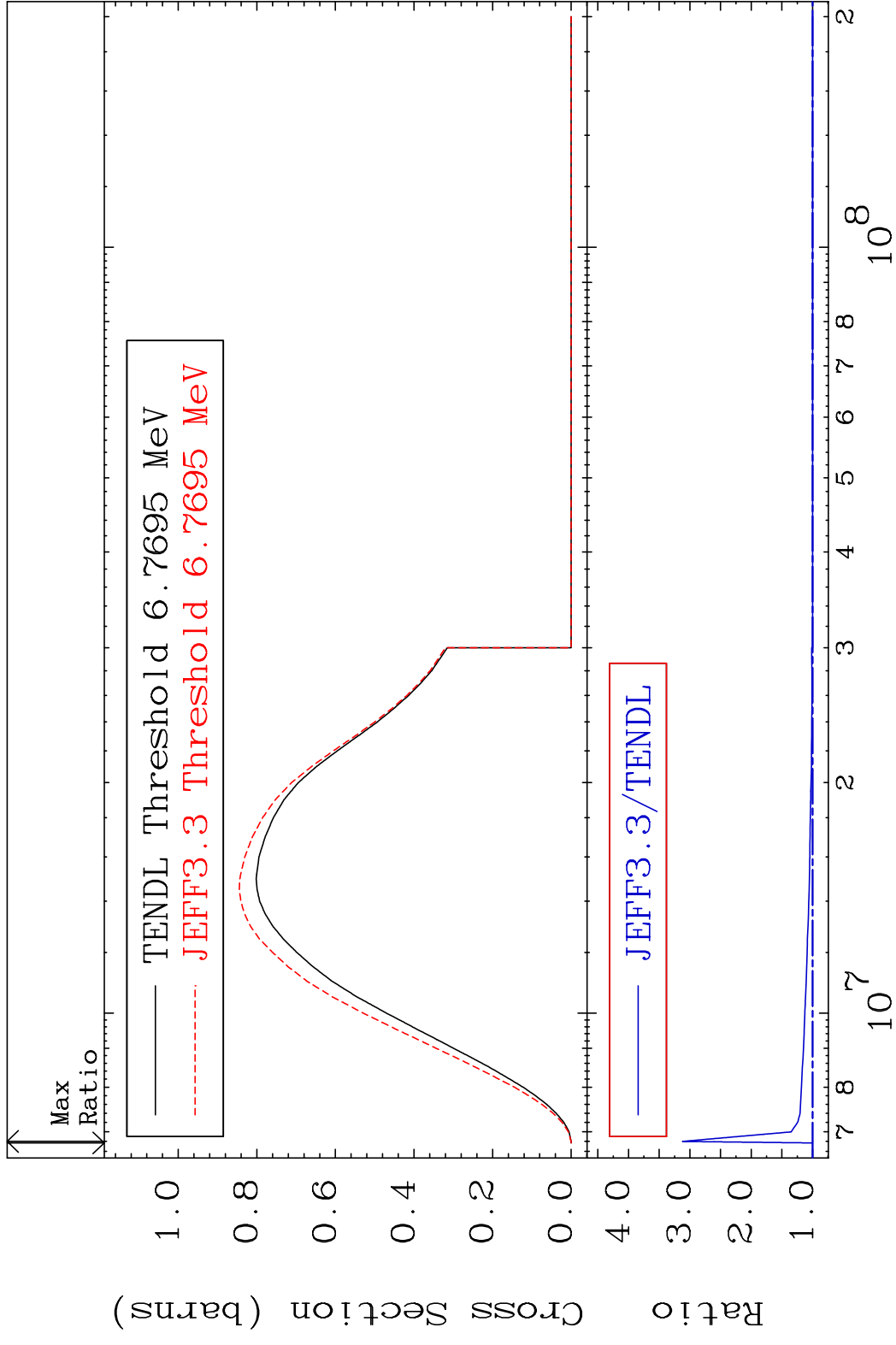
MAT 1834 Inelastic 18-Ar-39
 Cross Section -100.0 To 3.324 %



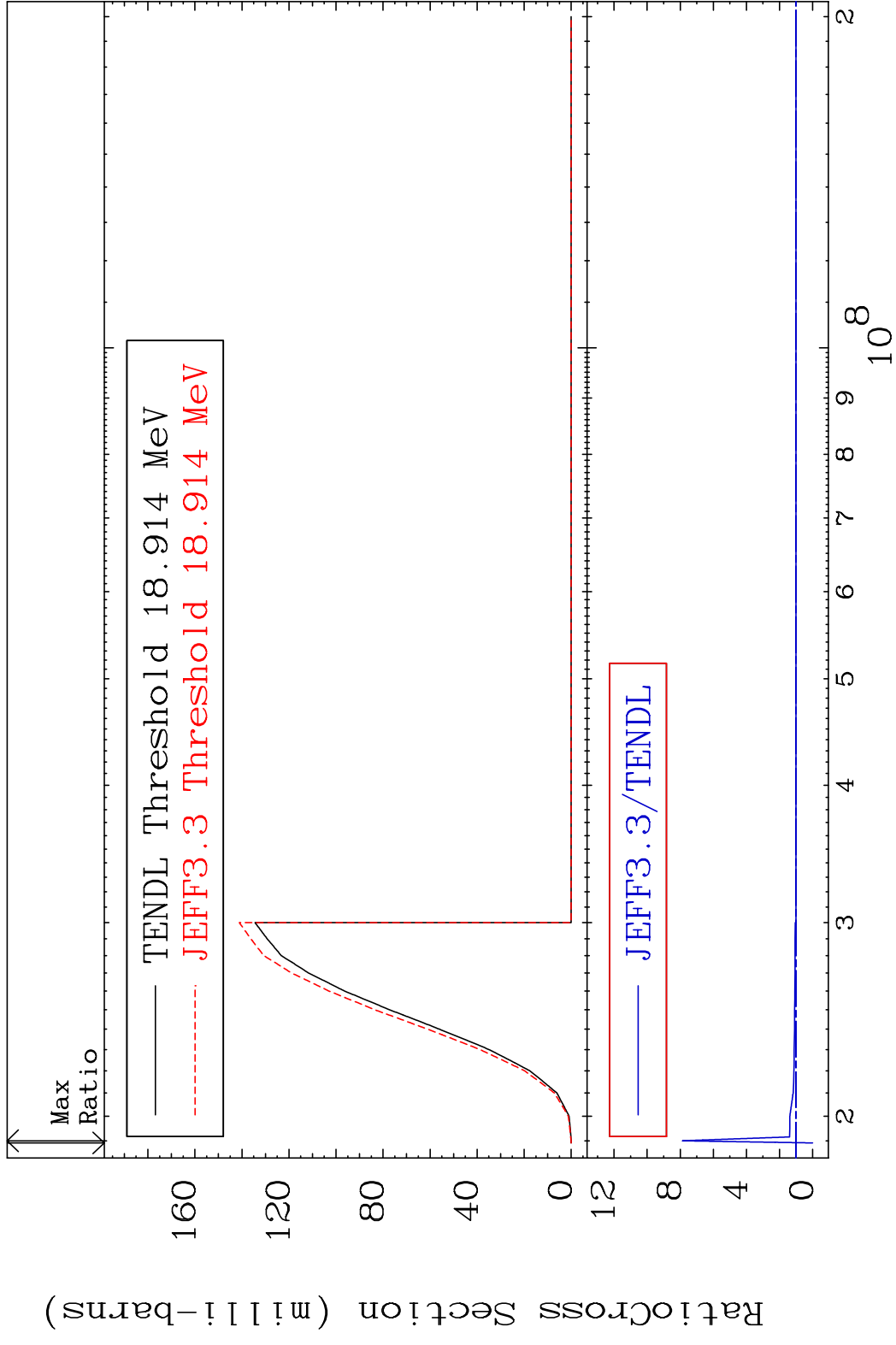
MAT 1834 (n,2n) d 18-Ar-39
 Cross Section 0.000 To 9999. %



MAT 1834 (n,2n) 18-Ar-39
 Cross Section 0.000 To 212.3 %



MAT 1834 (n,3n) 18-Ar-39
 Cross Section -100.0 To 687.2 %

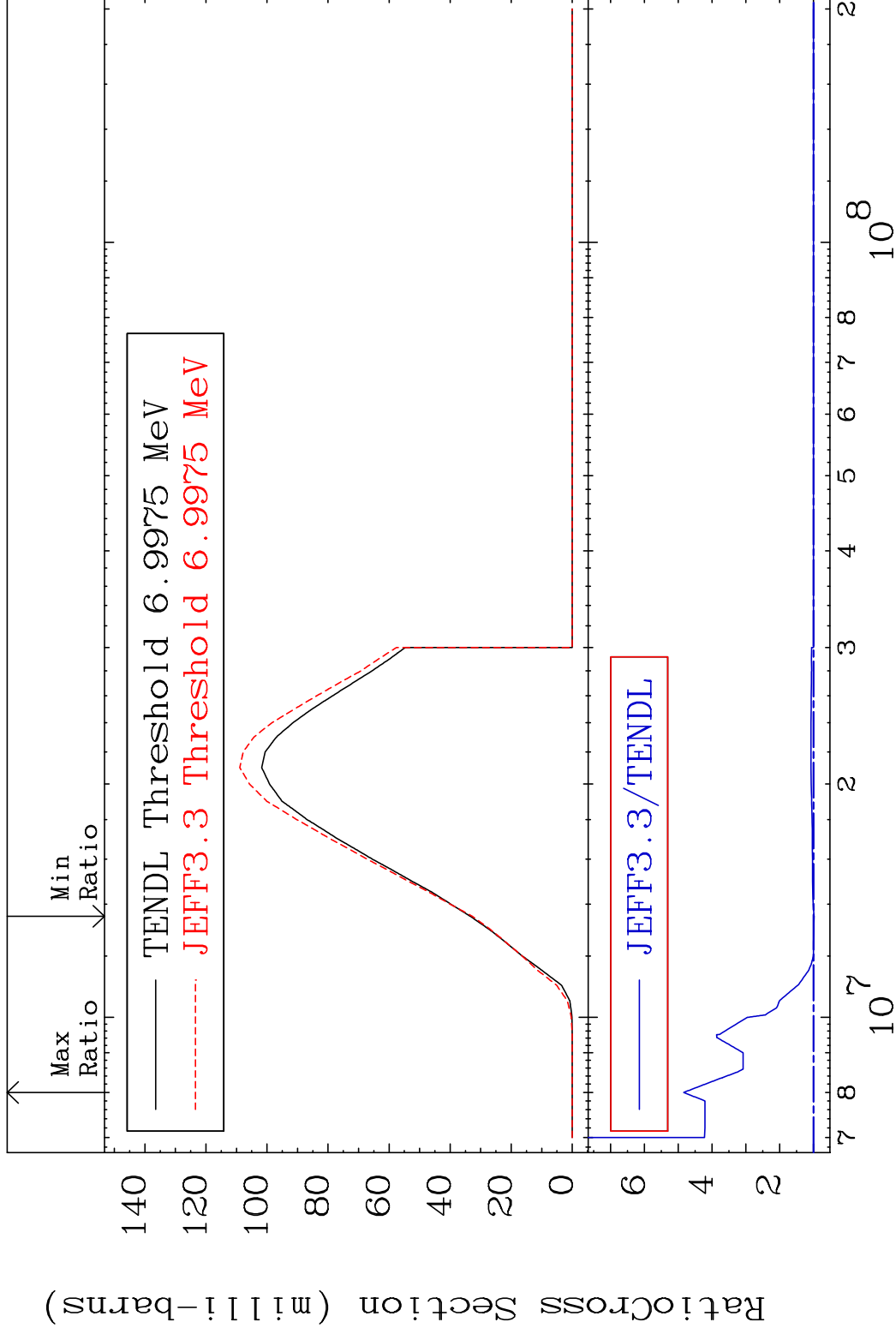


MAT 1834

(n, n') α

18-Ar-39

Cross Section -2.044 To 383.9 %

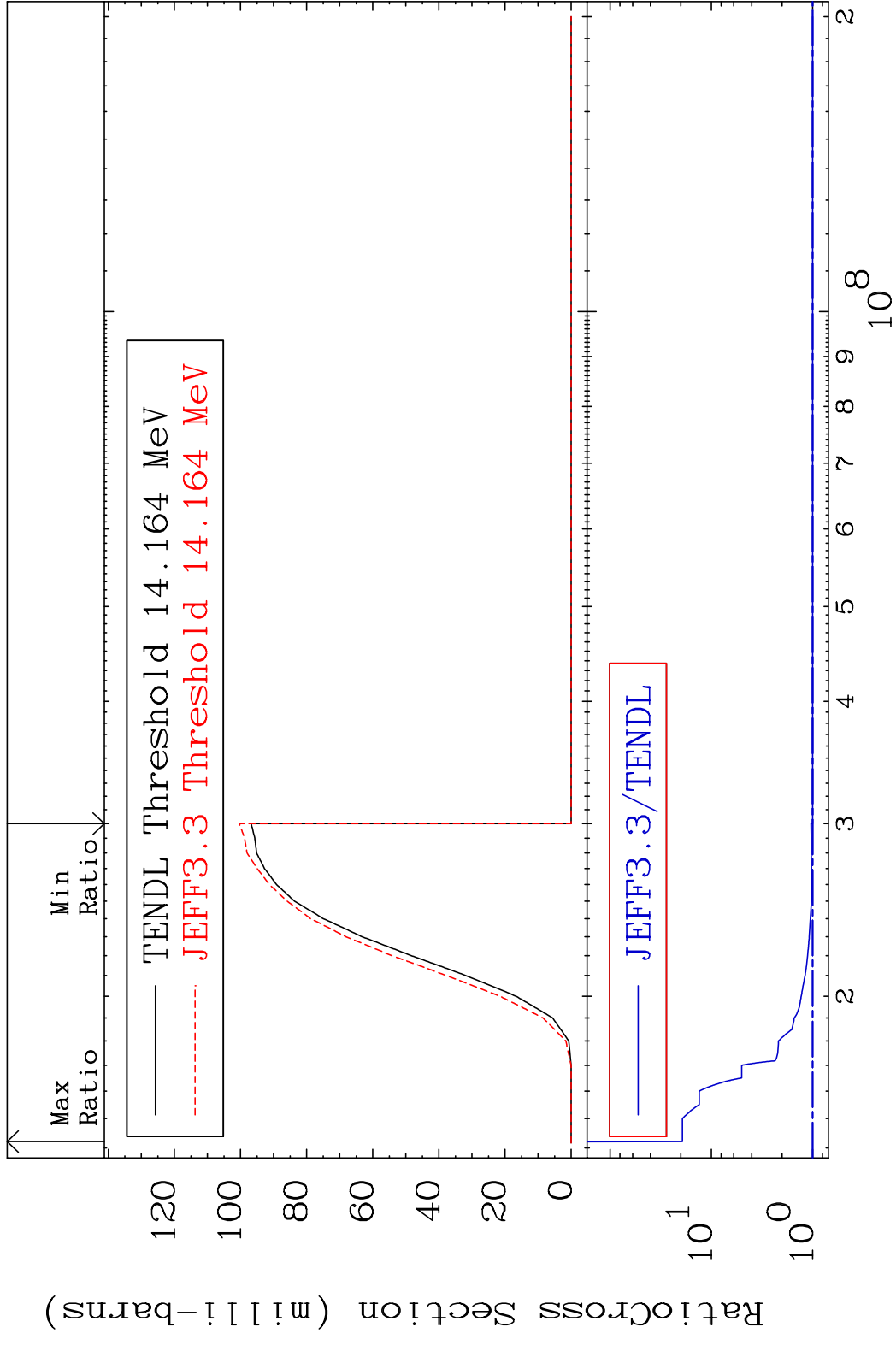


7

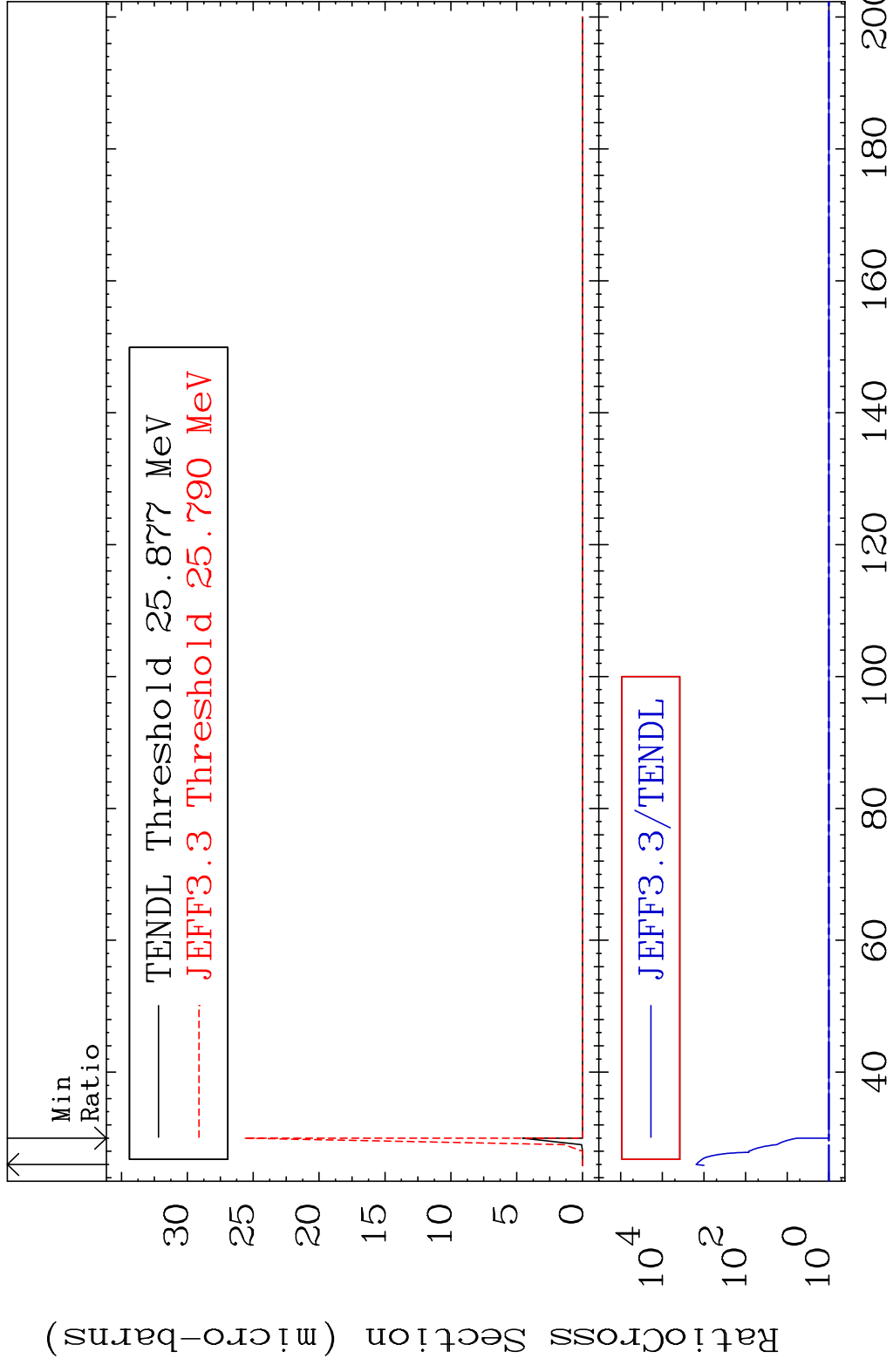
Incident Energy (eV)

18-Ar-39

MAT 1834 (n,2n) α 18-Ar-39
 Cross Section 0.000 To 1834. %



MAT 1834 (n,3n) α 18-Ar-39
 Cross Section 0.000 To 9999. %

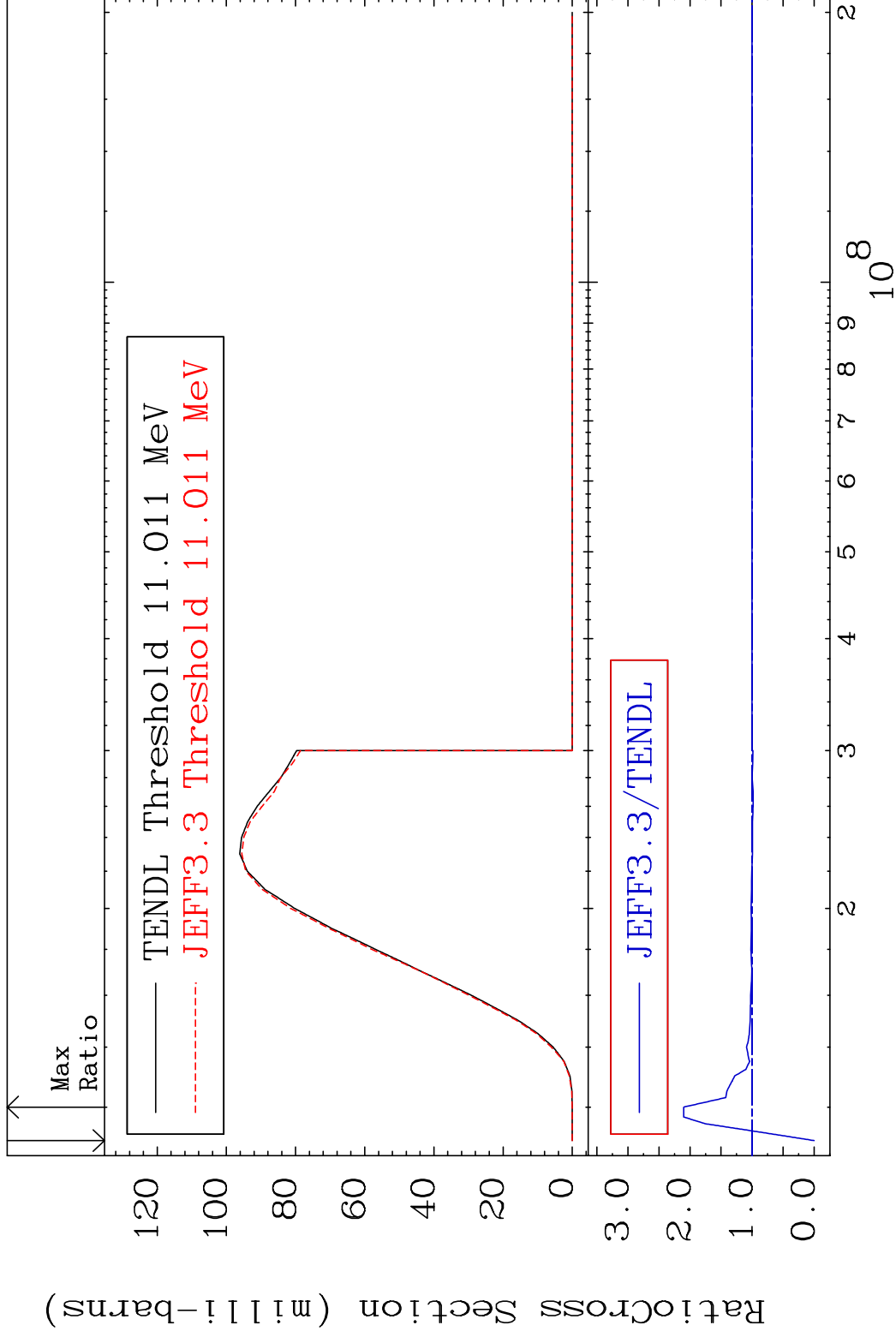


MAT 1834

(n, n') p

18-Ar-39

Cross Section -100.0 To 110.2 %

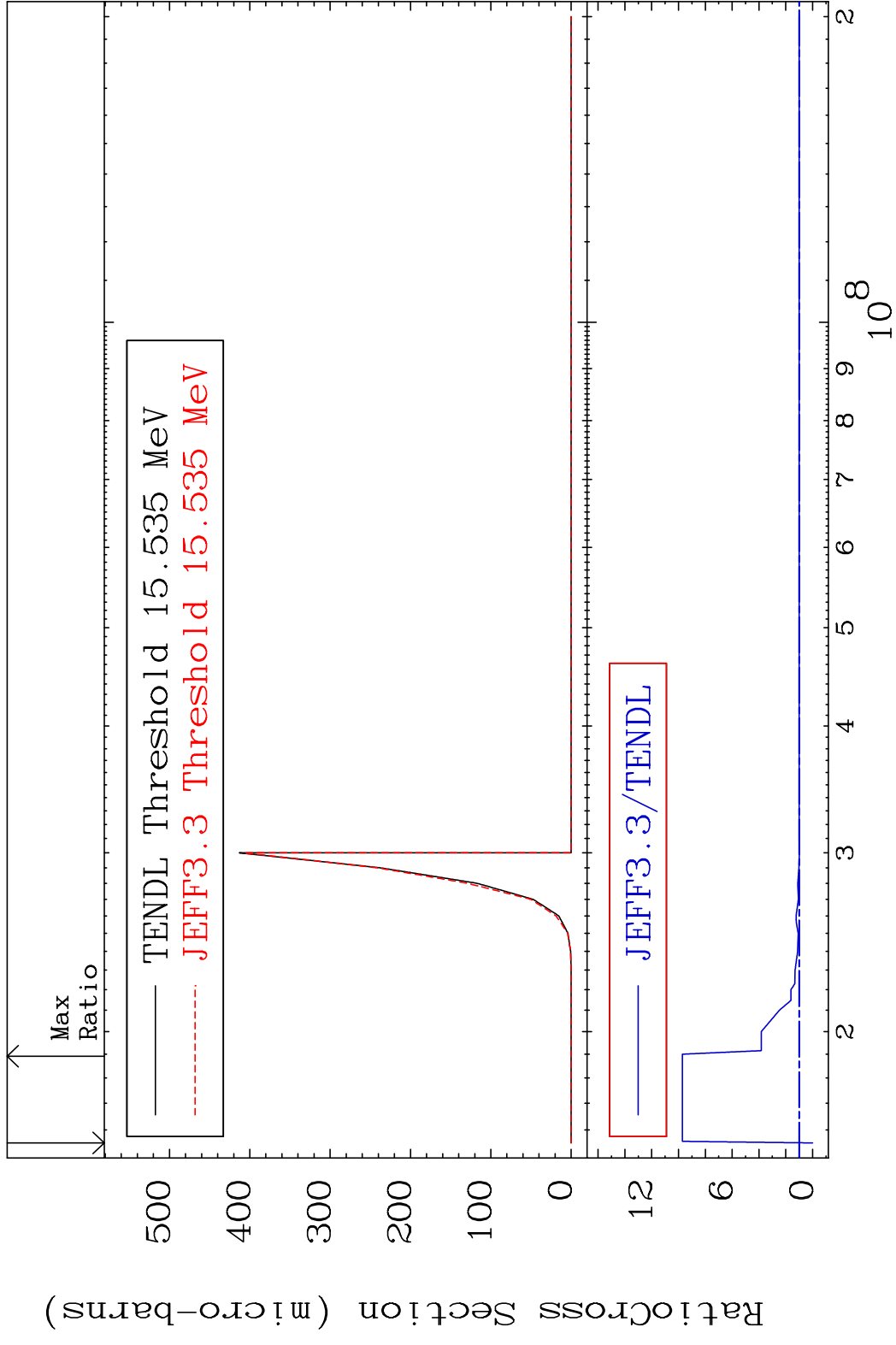


10

Incident Energy (eV)

18-Ar-39

MAT 1834 (n, n') 2α 18-Ar-39
 Cross Section -100.0 To 871.4 %

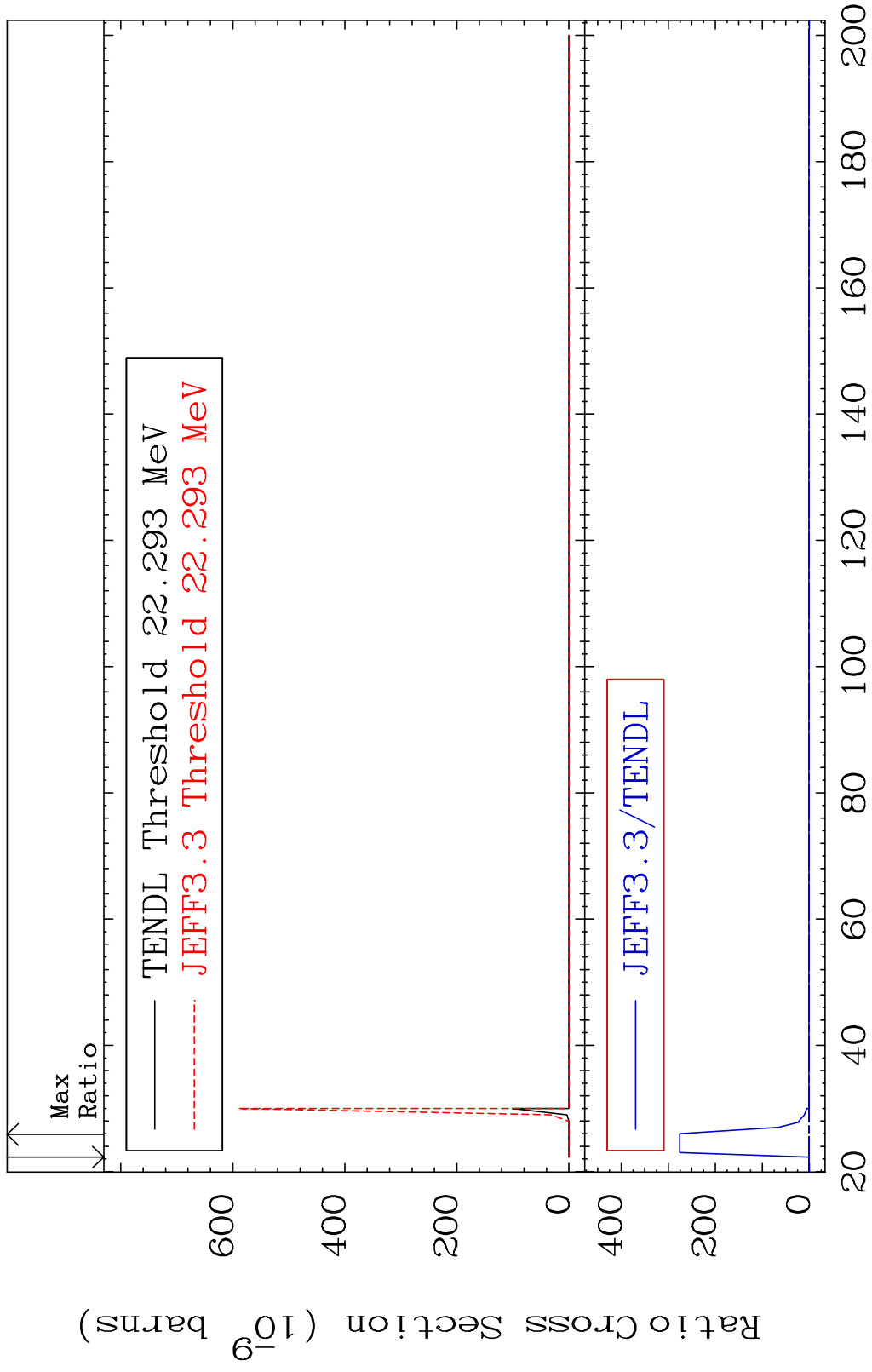


MAT 1834

(n,2n) 2α

18-Ar-39

Cross Section -100.0 To 9999. %

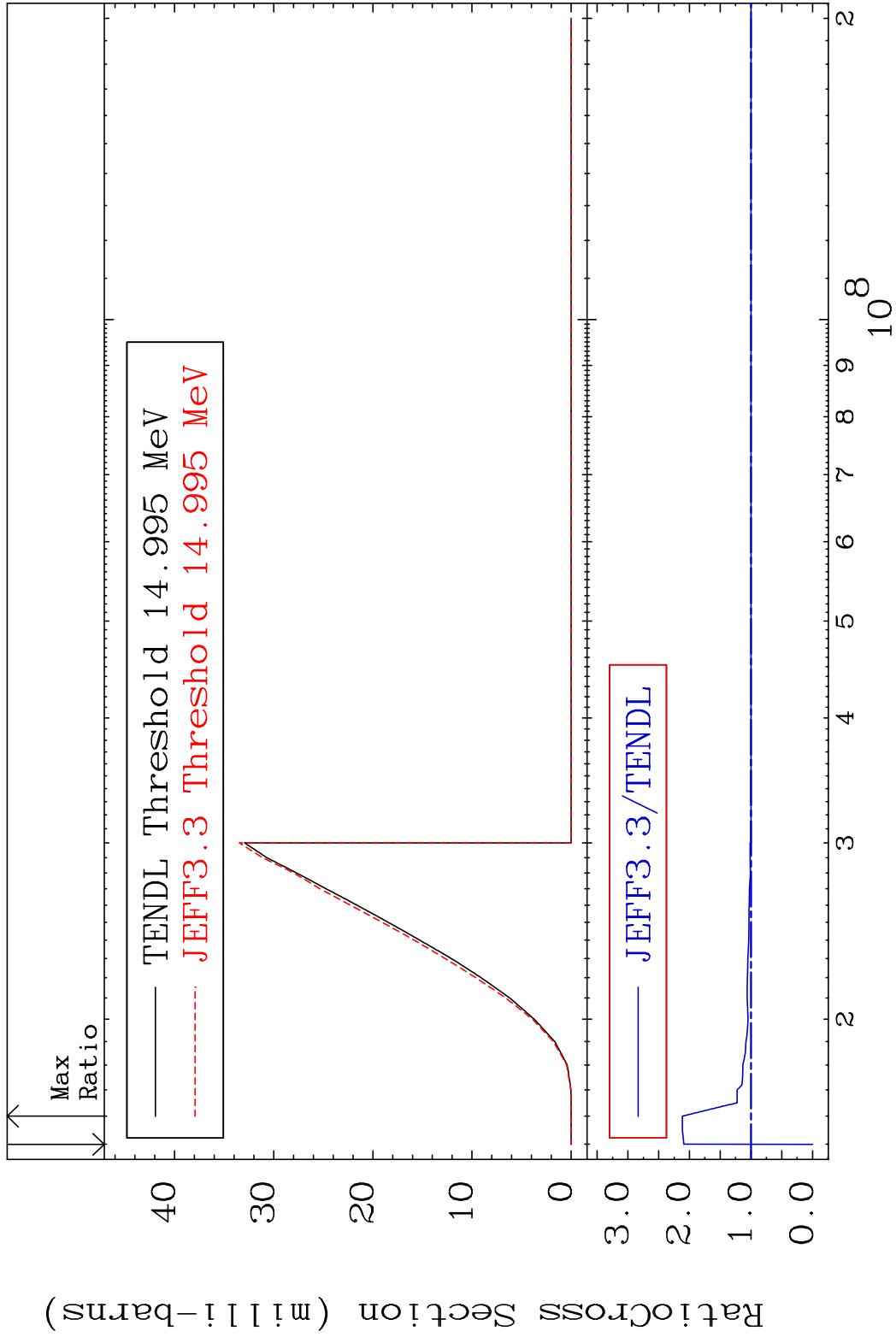


12

Incident Energy (MeV)

18-Ar-39

MAT 1834 (n, n') d 18-Ar-39
 Cross Section -100.0 To 111.5 %

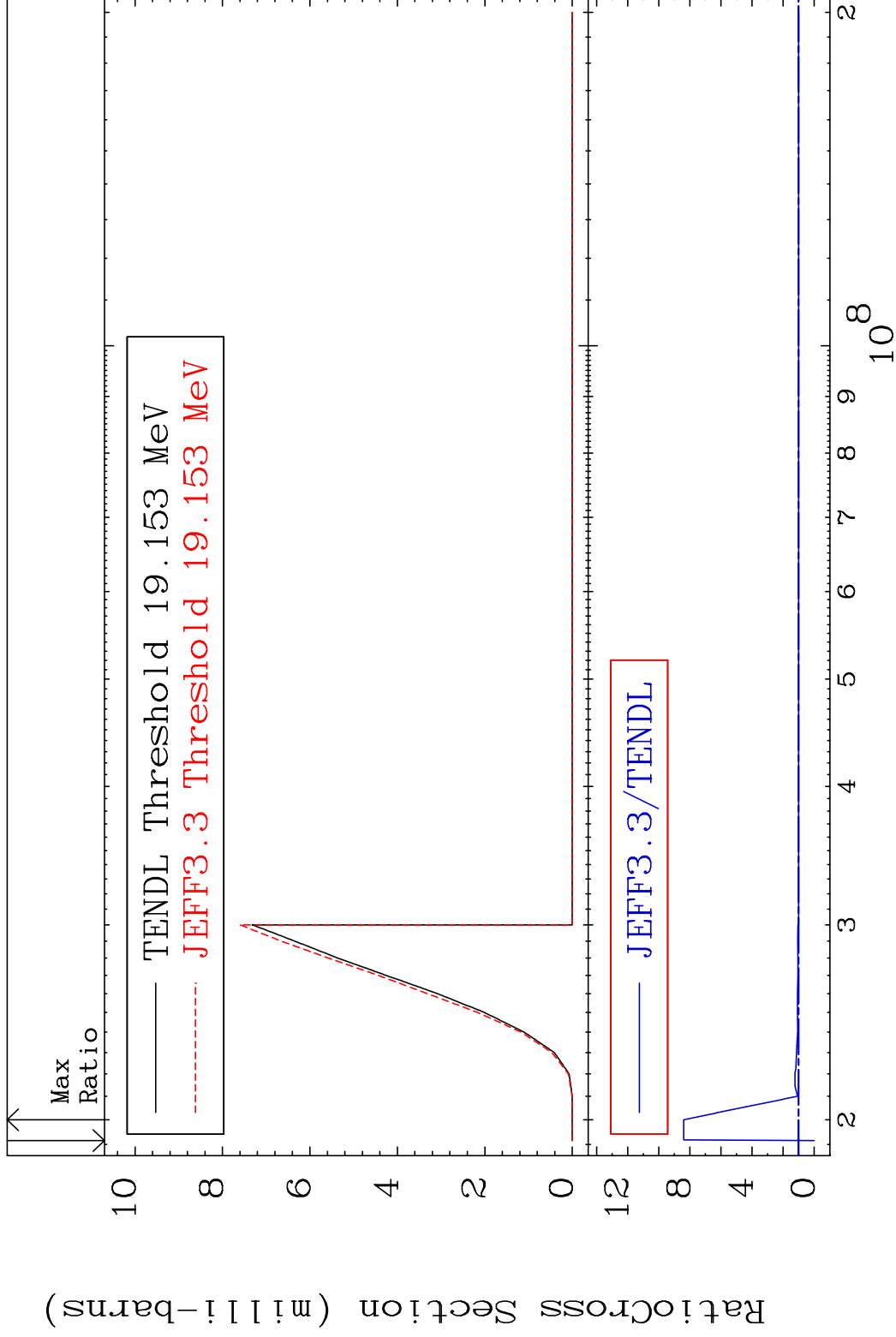


MAT 1834

(n, n') t

18-Ar-39

Cross Section -100.0 To 739.7 %



14

Incident Energy (eV)

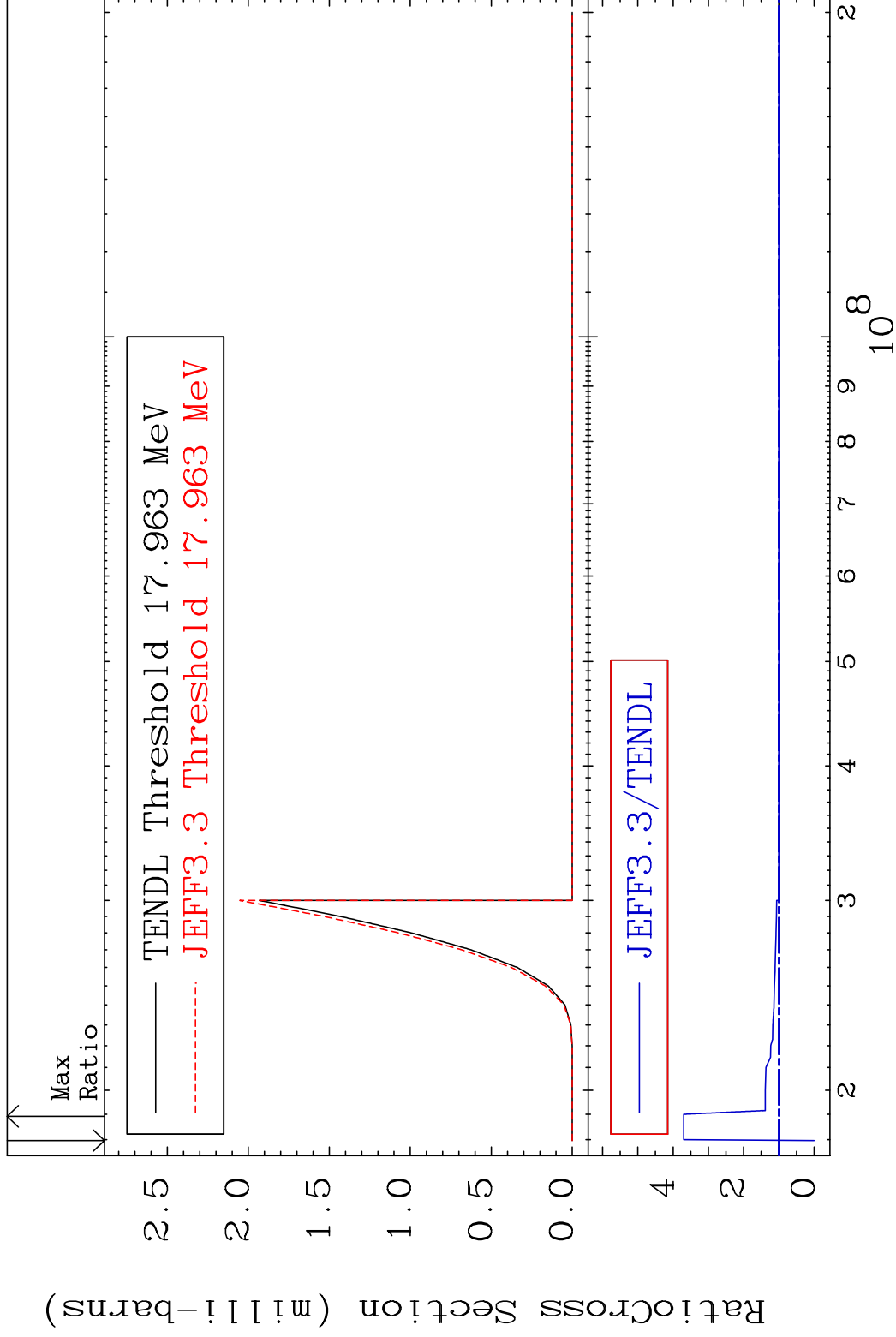
18-Ar-39

MAT 1834

(n,n') He-3

18-Ar-39

Cross Section -100.0 To 270.0 %

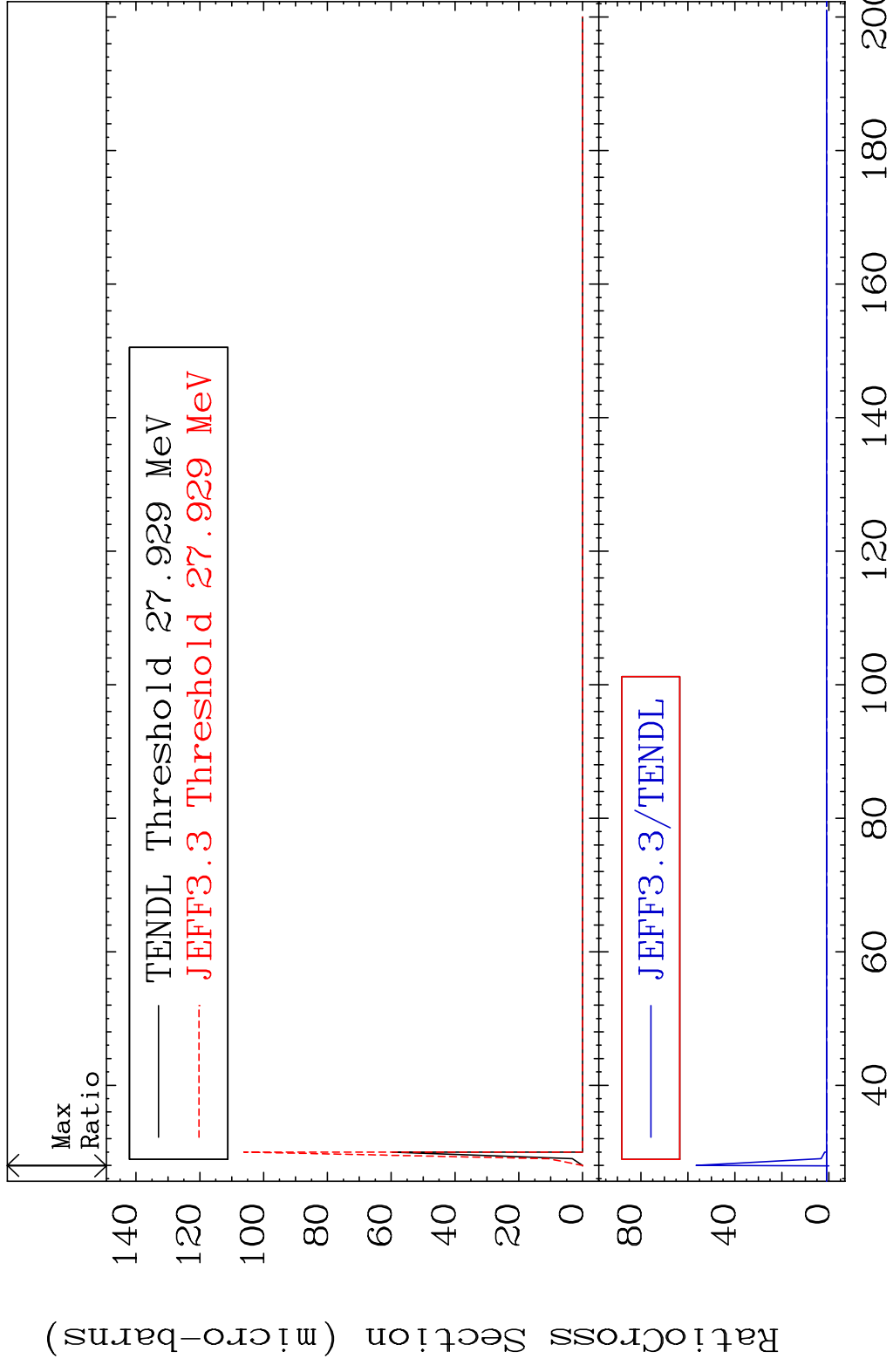


15

Incident Energy (eV)

18-Ar-39

MAT 1834 (n,4n) 18-Ar-39
 Cross Section -100.0 To 5555. %

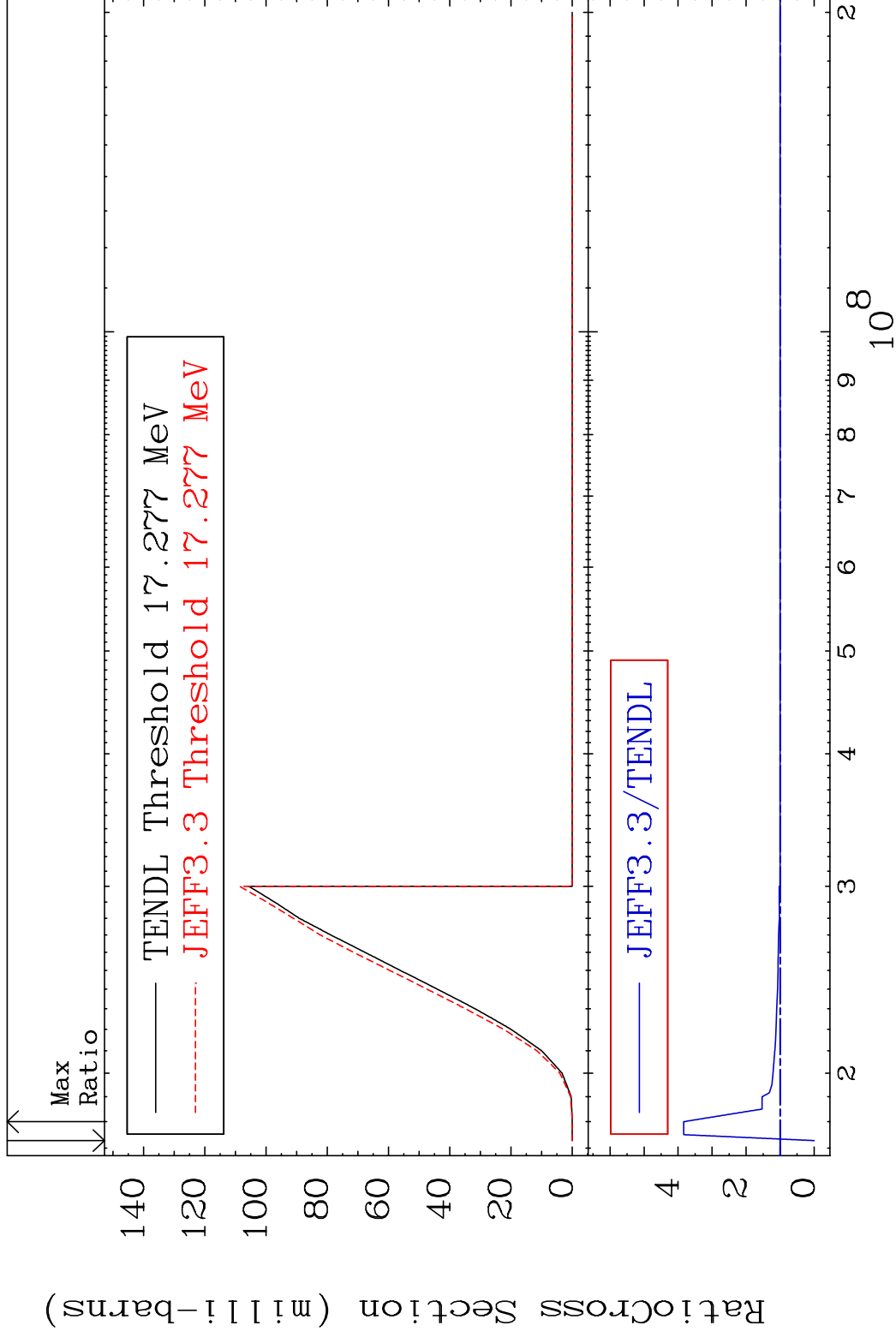


MAT 1834

(n,2n) p

18-Ar-39

Cross Section -100.0 To 283.6 %

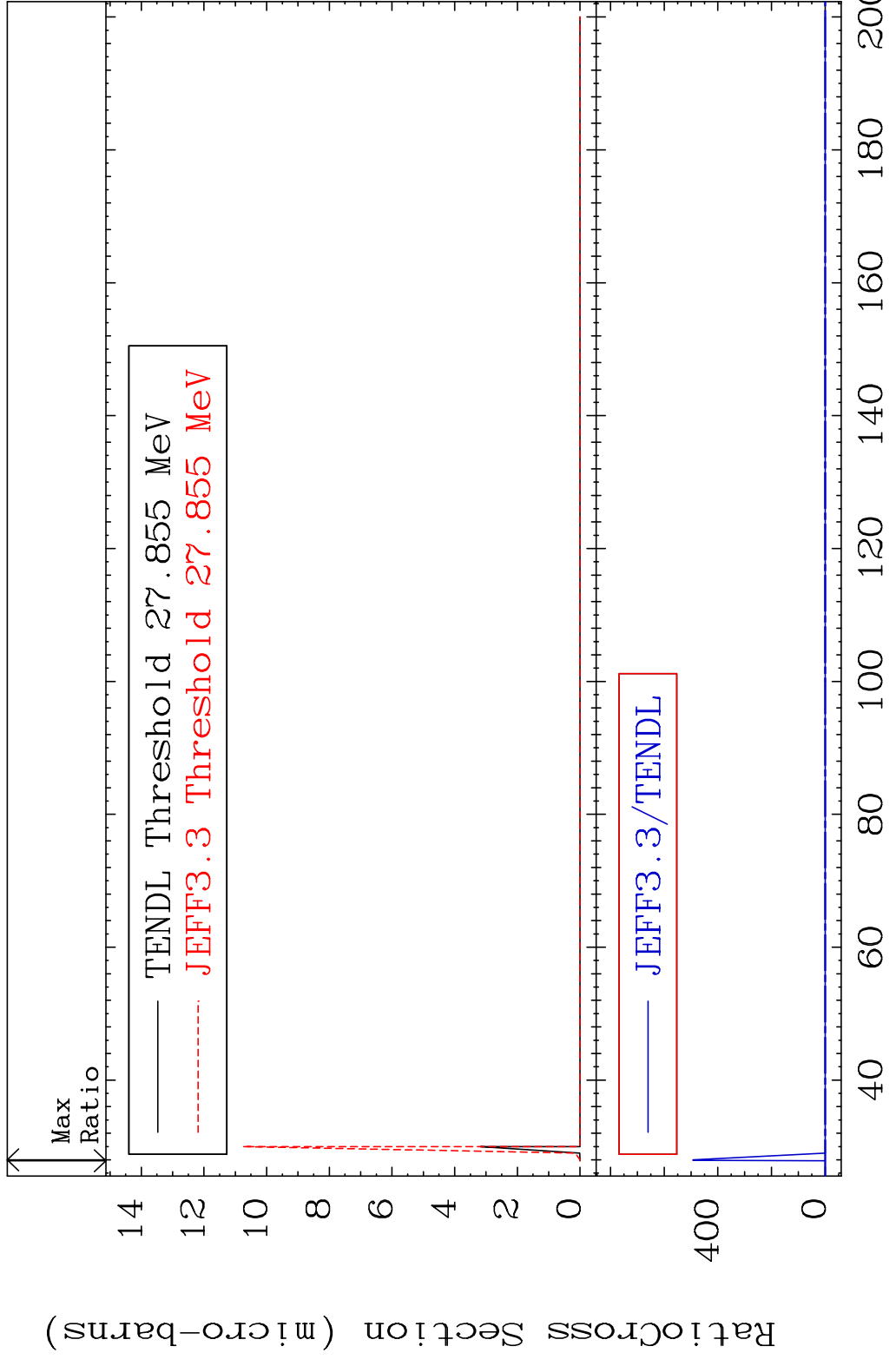


17

Incident Energy (eV)

18-Ar-39

MAT 1834 (n,3n) p 18-Ar-39
 Cross Section -100.0 To 9999. %

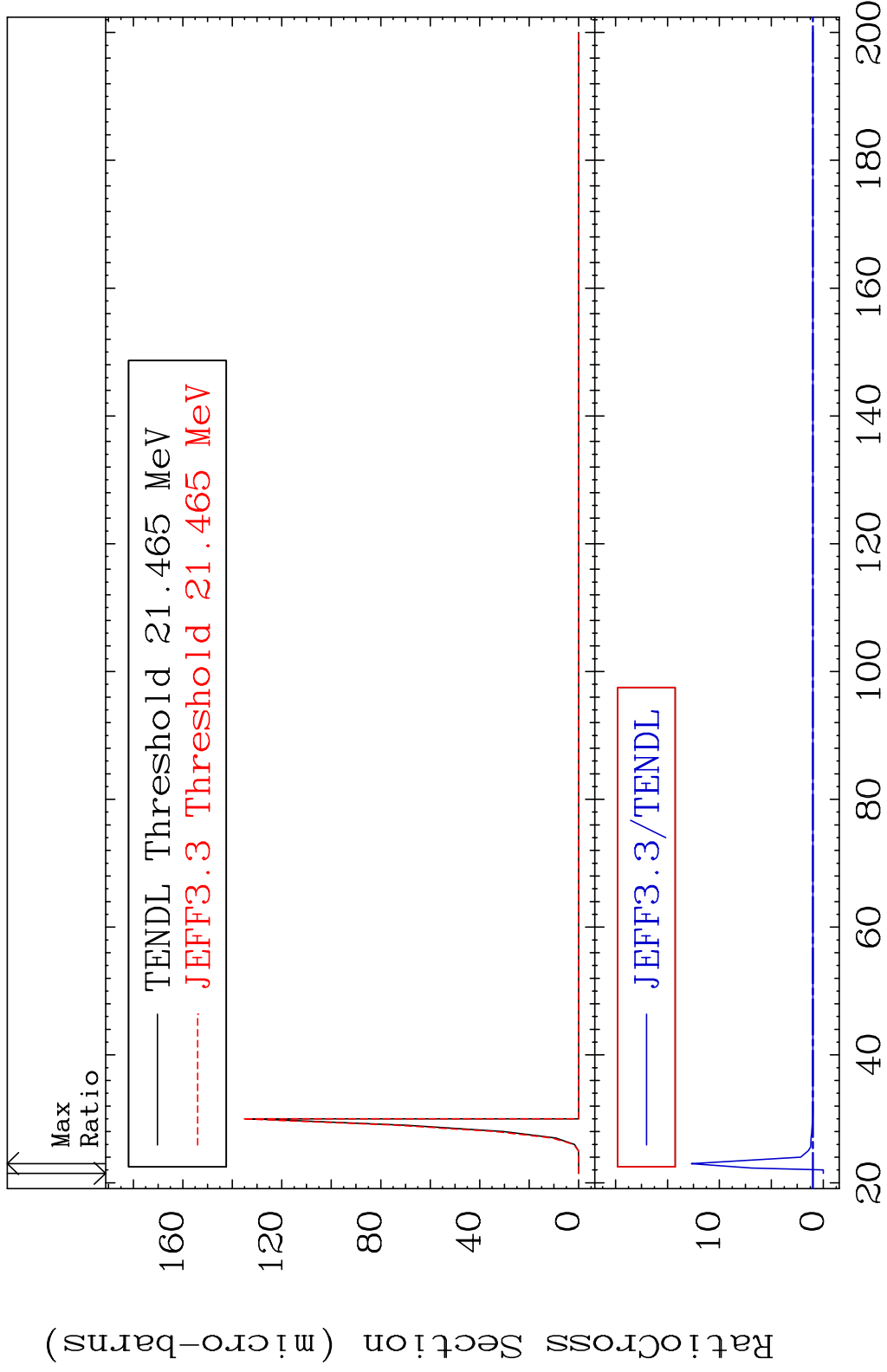


MAT 1834

(n,2n) p

18-Ar-39

Cross Section -100.0 To 1170. %



19

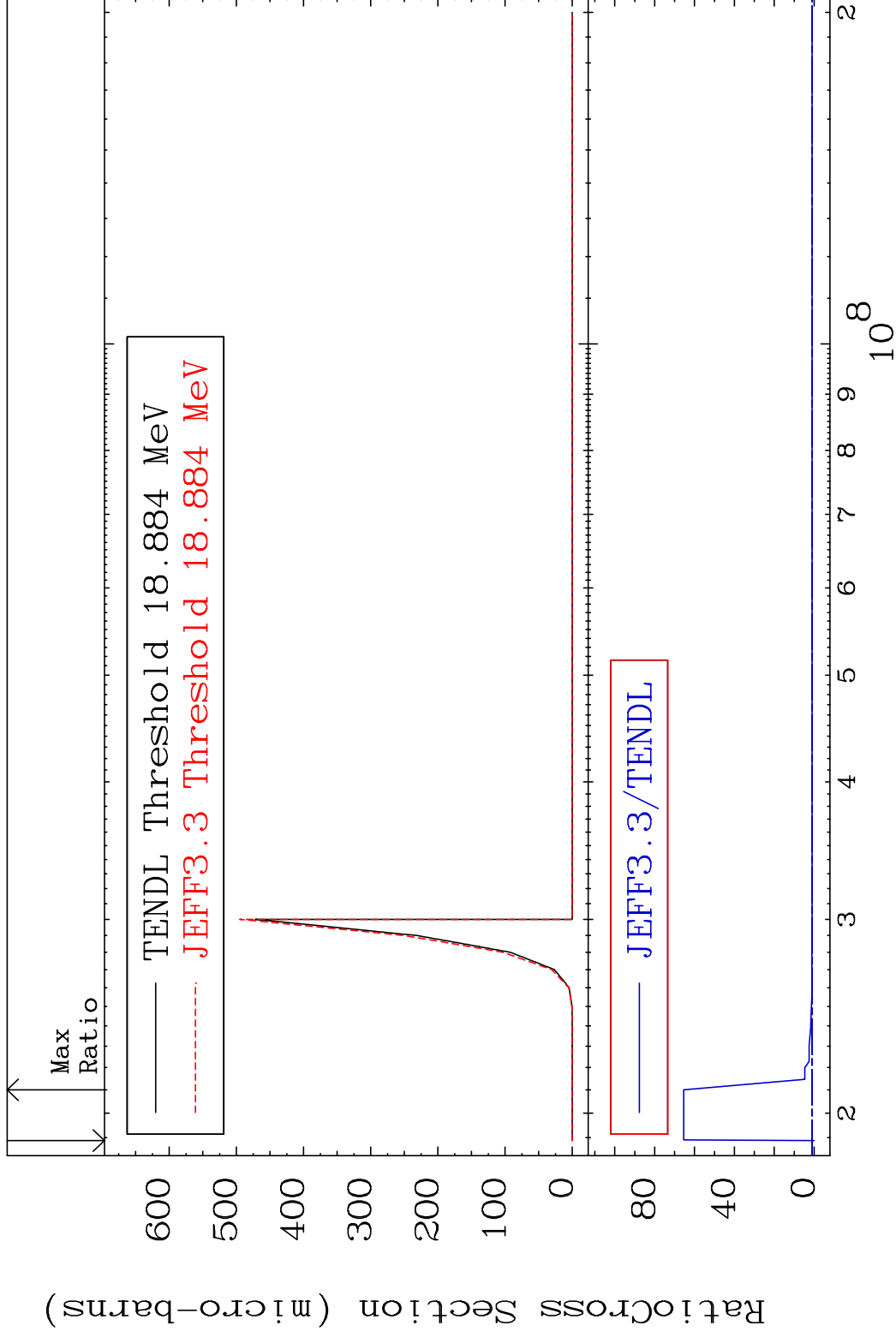
Incident Energy (MeV)

18-Ar-39

MAT 1834

(n,n') p α 18-Ar-39

Cross Section -100.0 To 6445. %



20

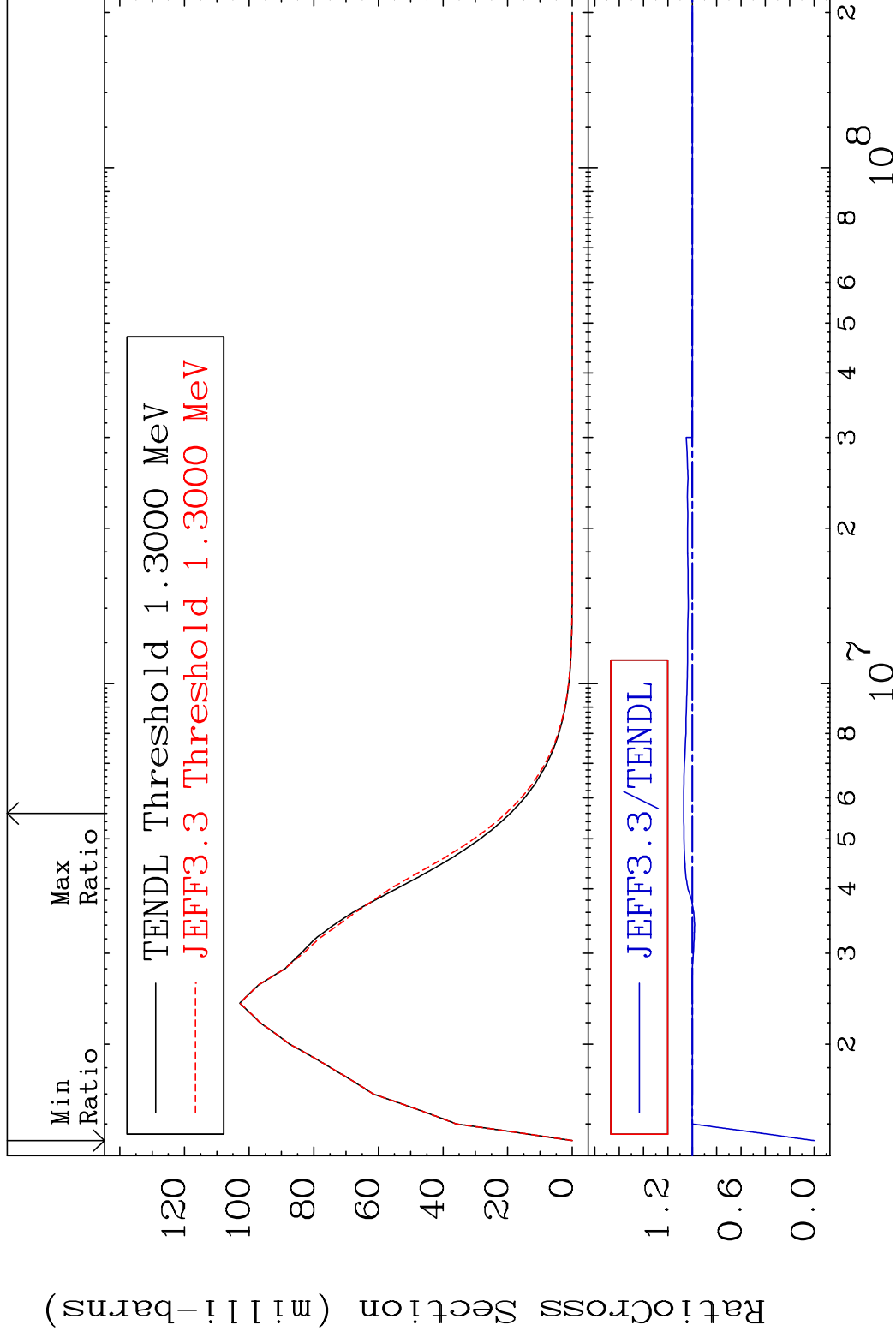
18-Ar-39

MAT 1834

MT= 51 (n, n') Level

18-Ar-39

Cross Section -100.0 To 7.073 %

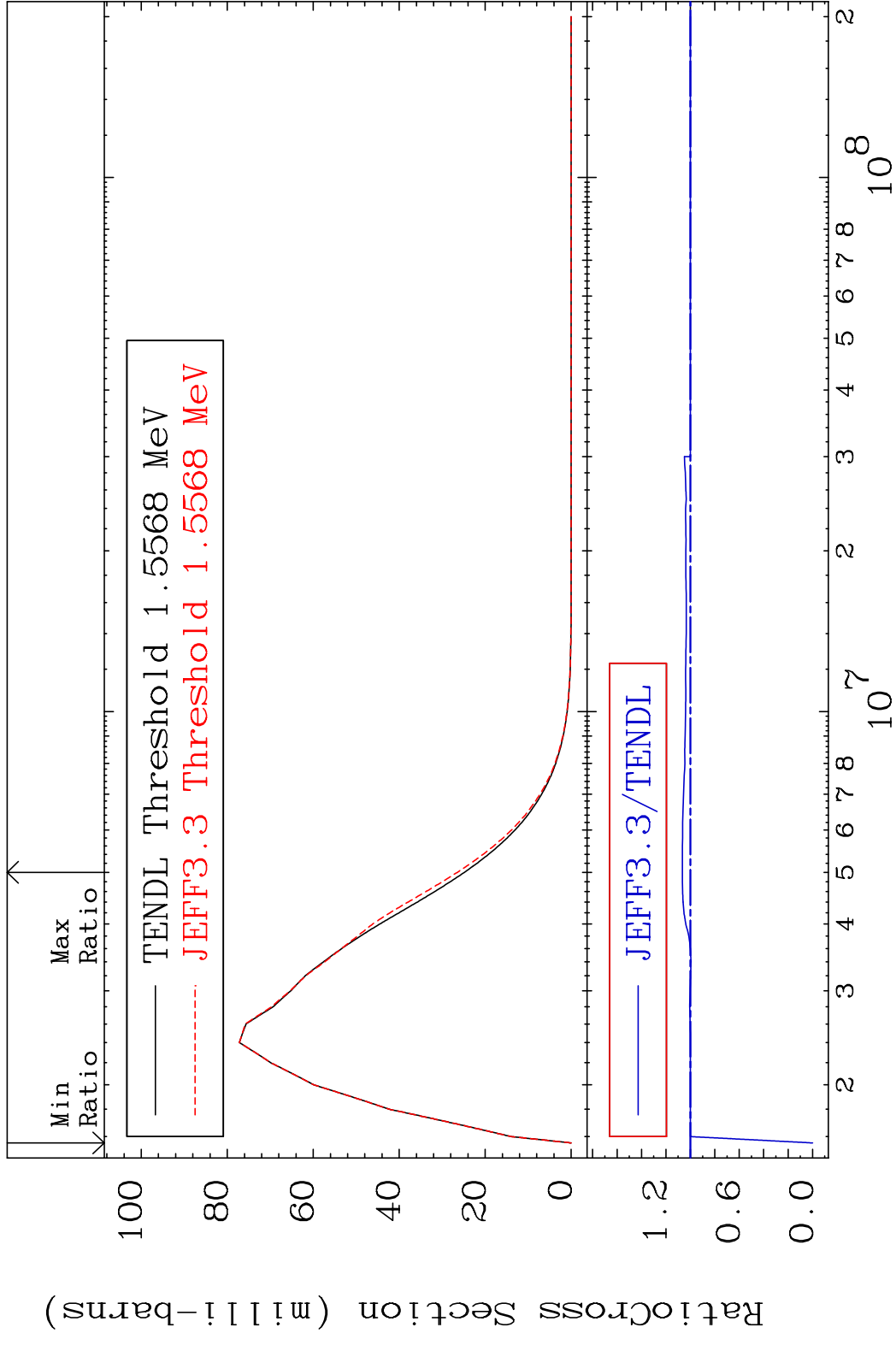


21

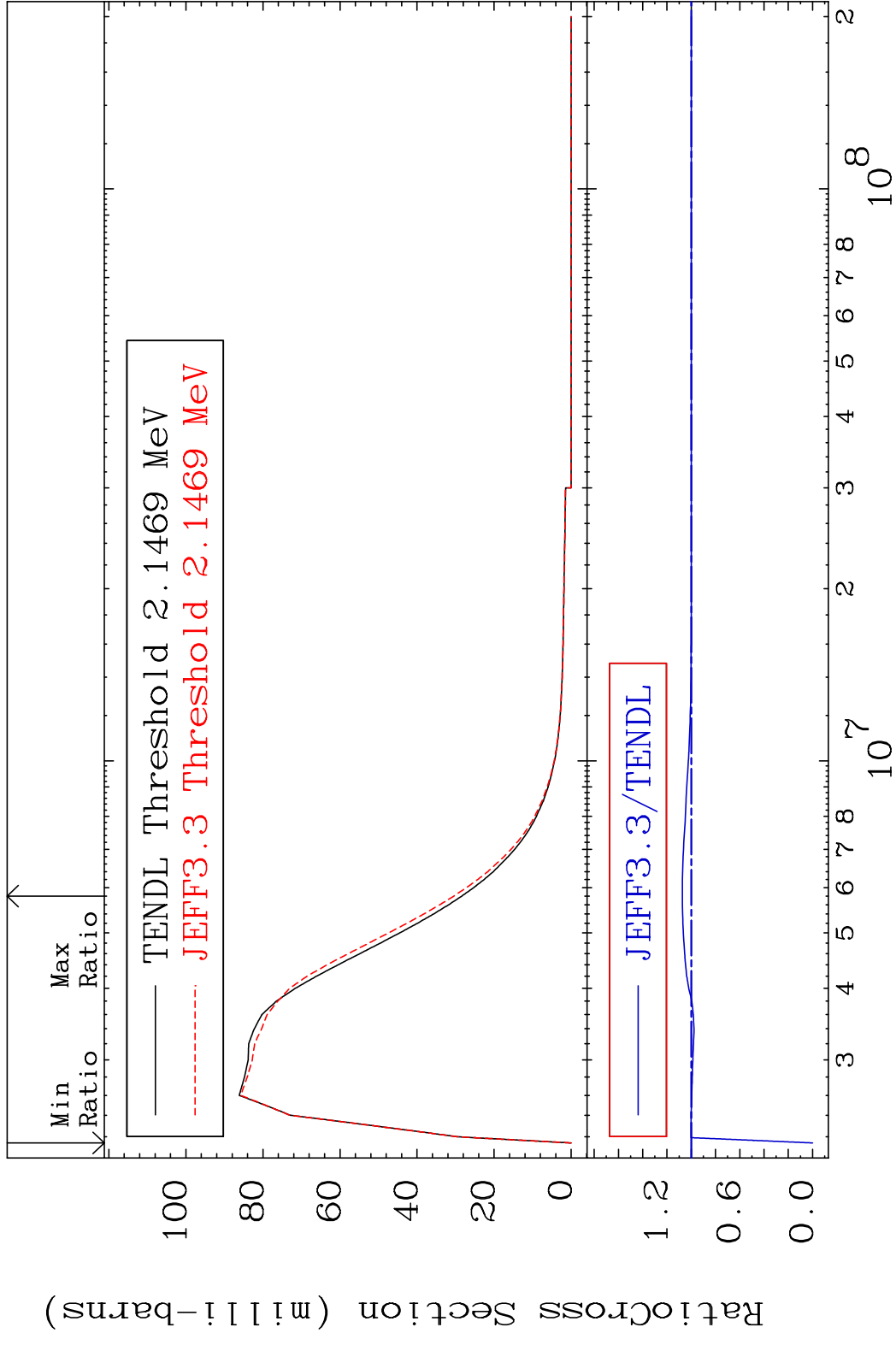
Incident Energy (eV)

18-Ar-39

MAT 1834 MT= 52 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 6.567 %



MAT 1834 MT= 53 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 7.326 %

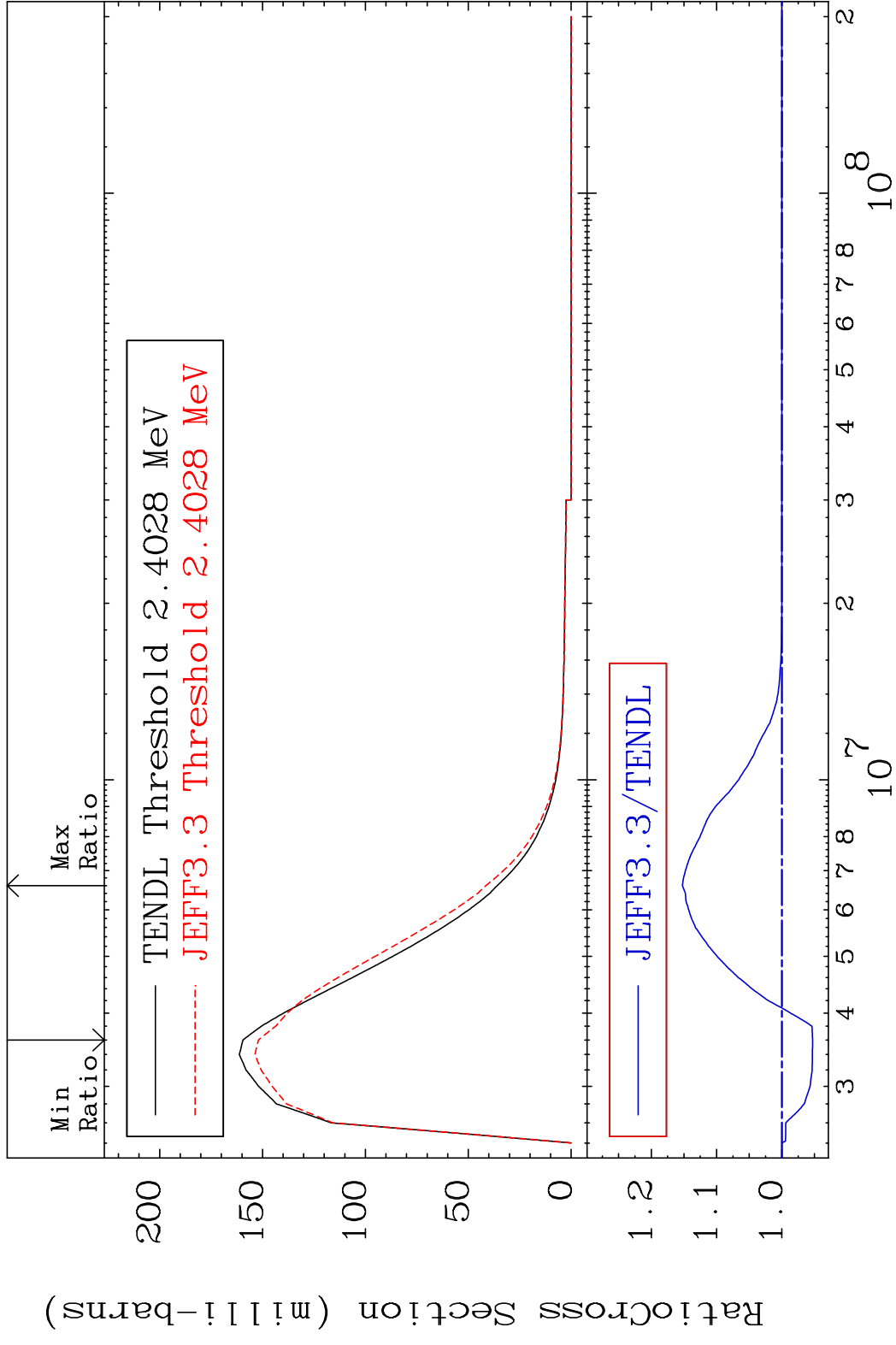


MAT 1834

MT= 54 (n, n') Level

18-Ar-39

Cross Section -4.698 To 15.24 %

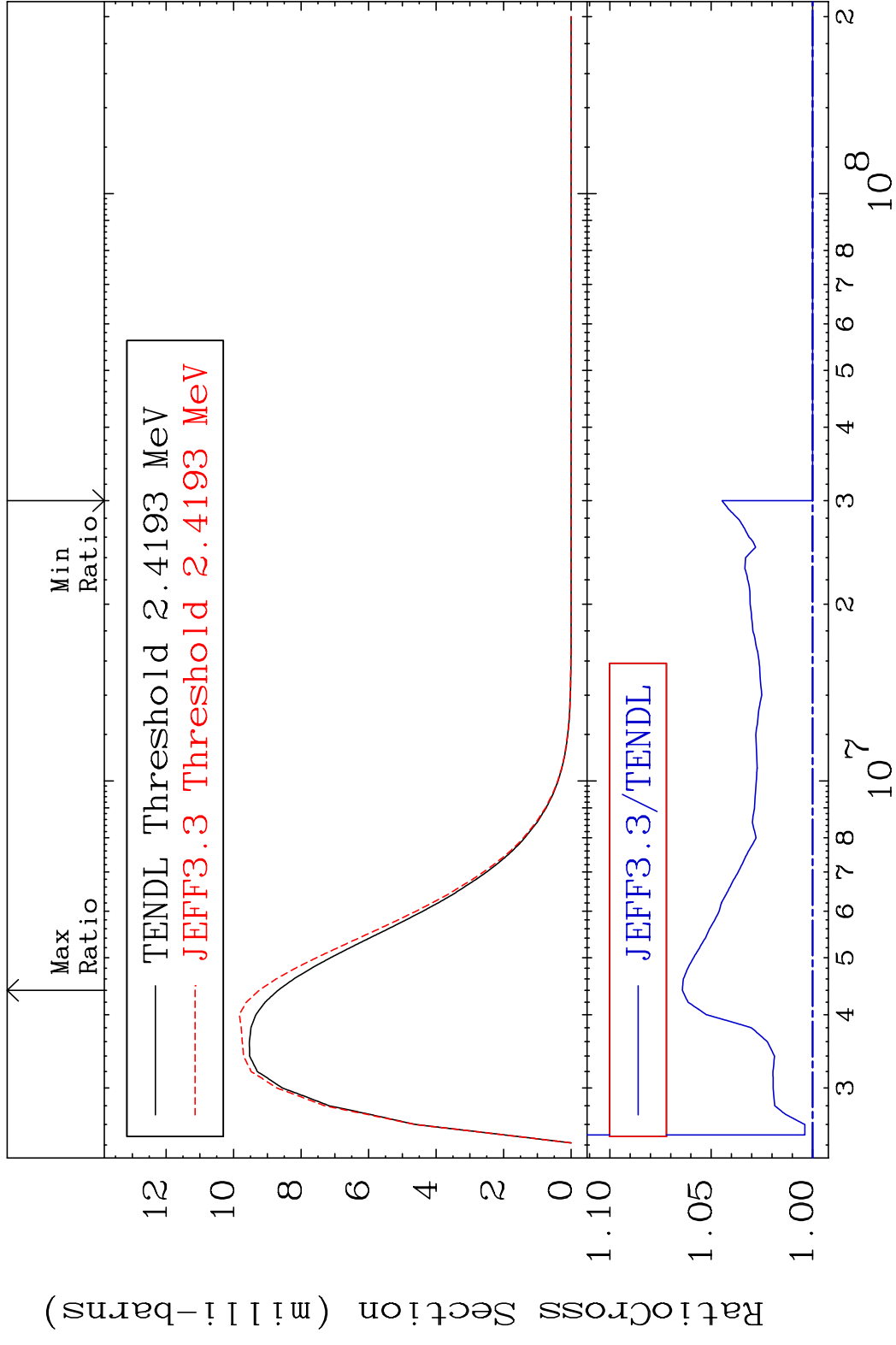


24

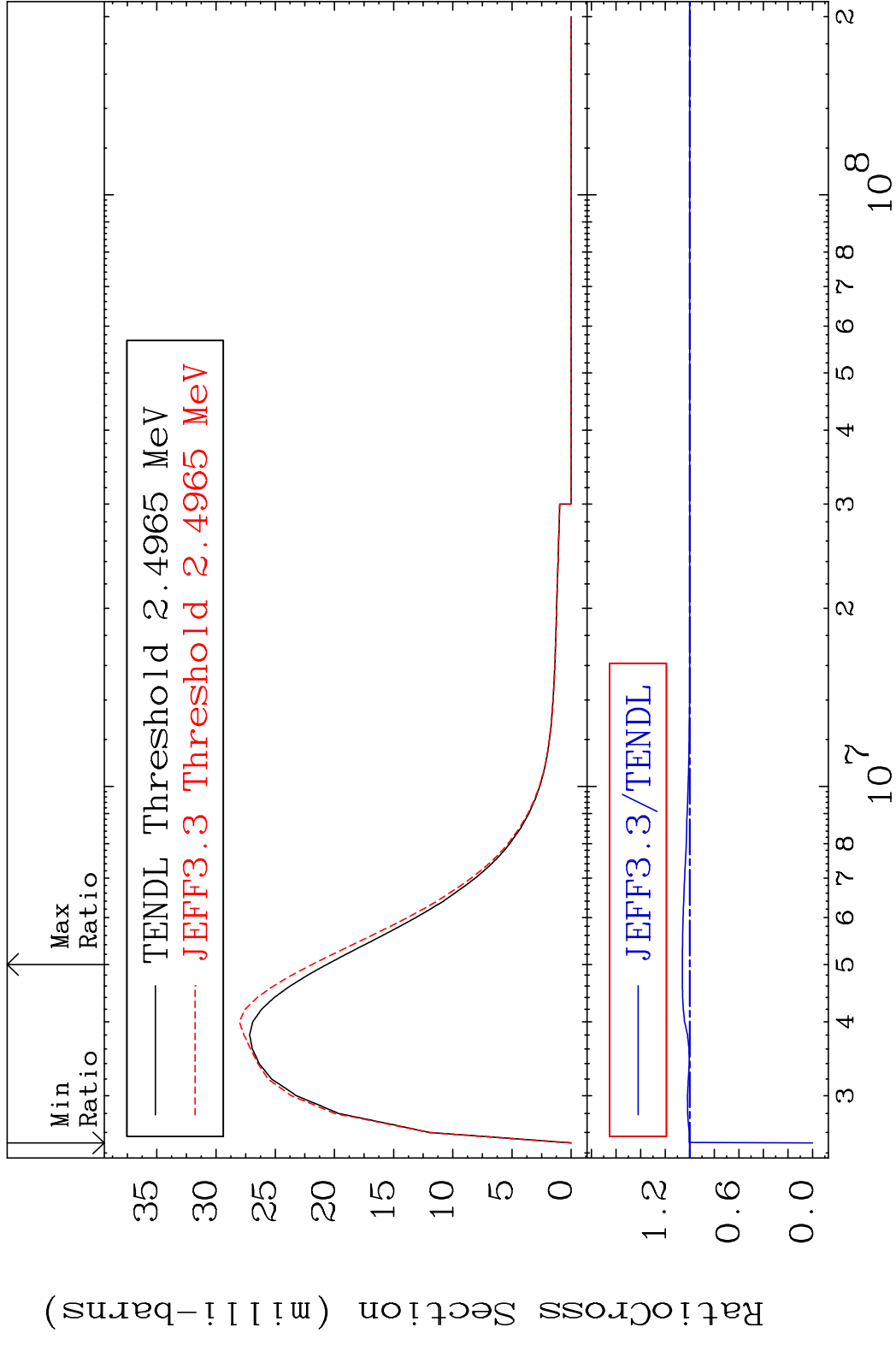
Incident Energy (eV)

18-Ar-39

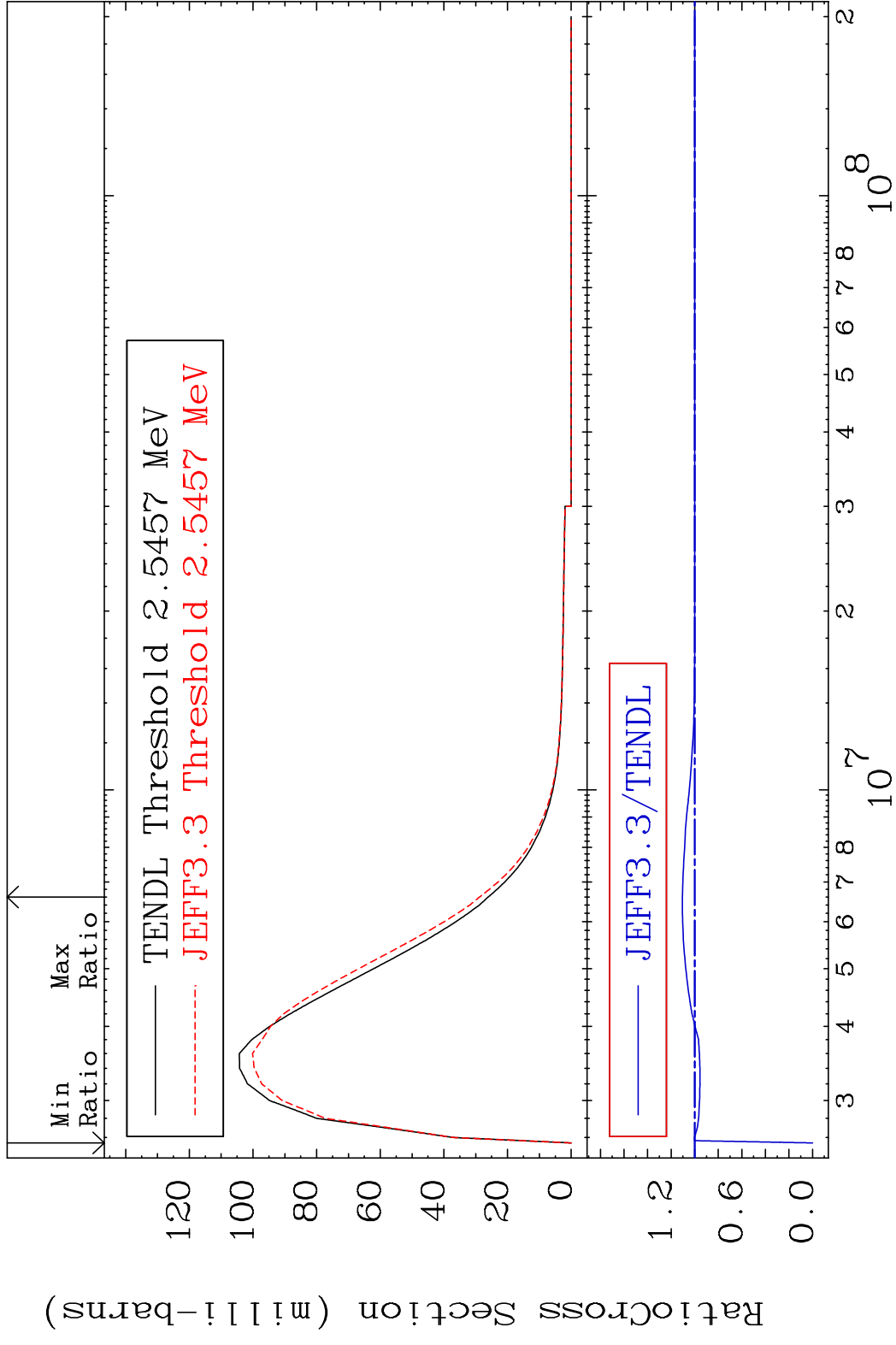
MAT 1834 MT= 55 (n, n') Level 18-Ar-39
 Cross Section 0.000 To 6.423 %



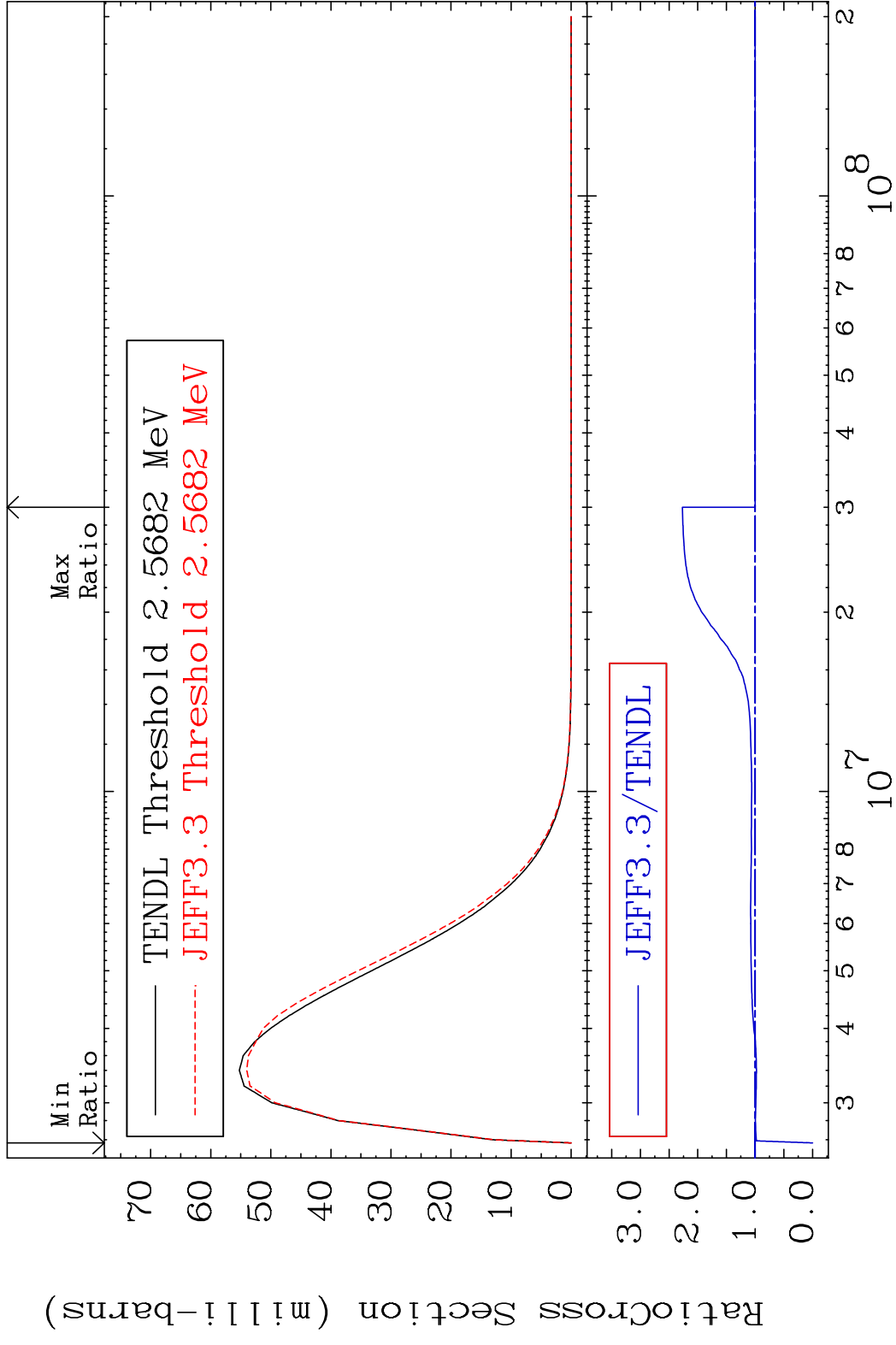
MAT 1834 MT= 56 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 6.010 %



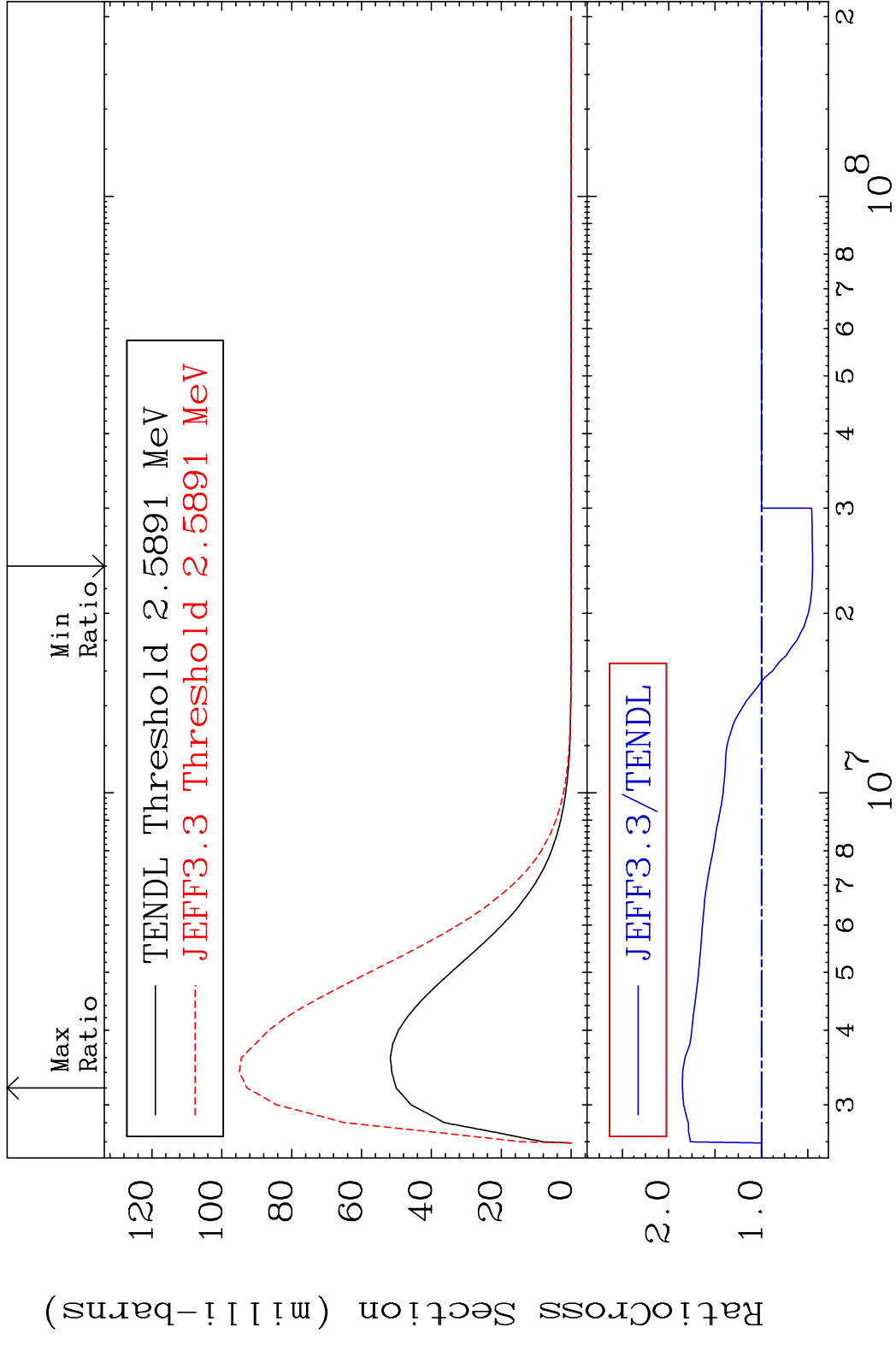
MAT 1834 MT= 57 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 10.48 %



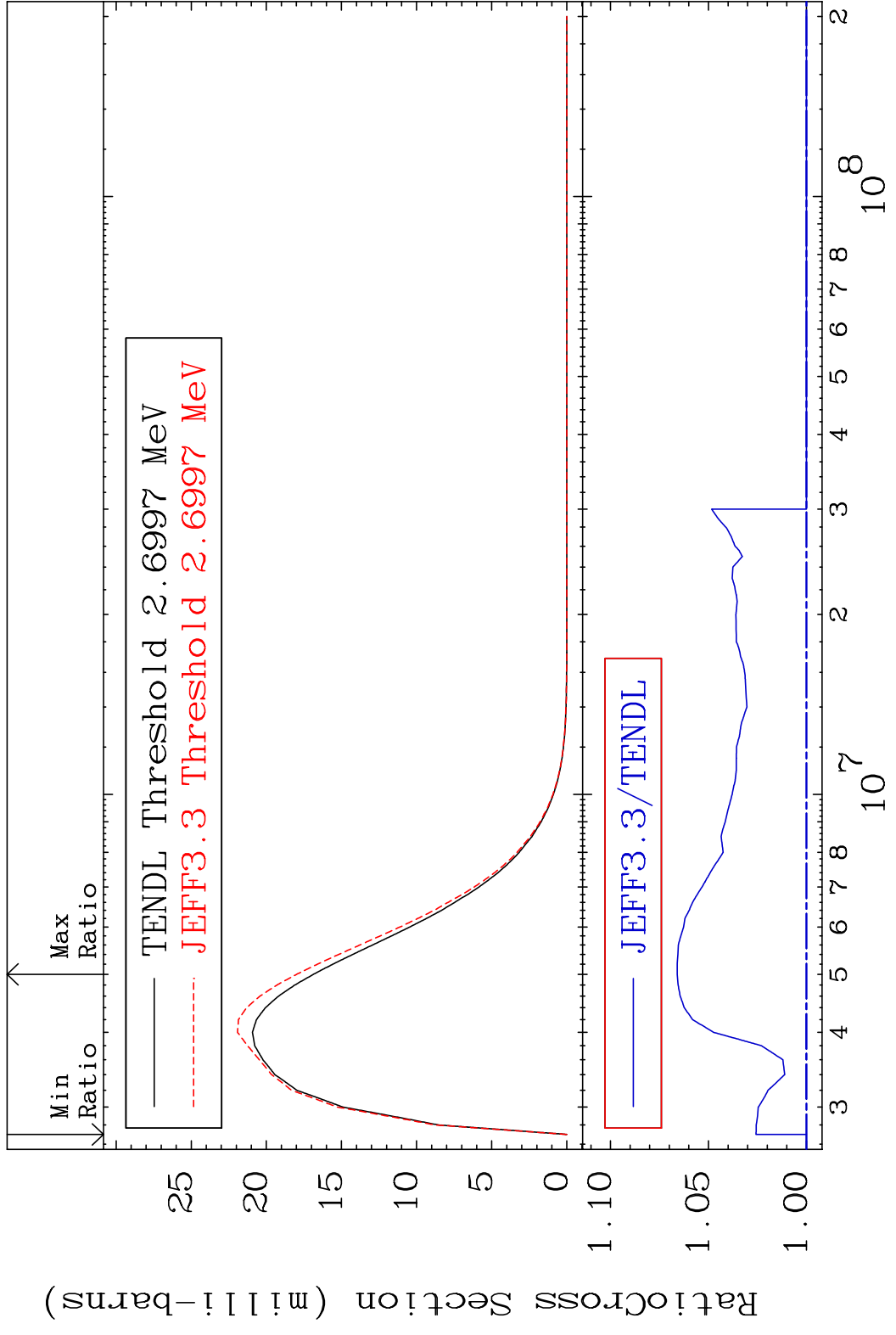
MAT 1834 MT= 58 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 126.9 %



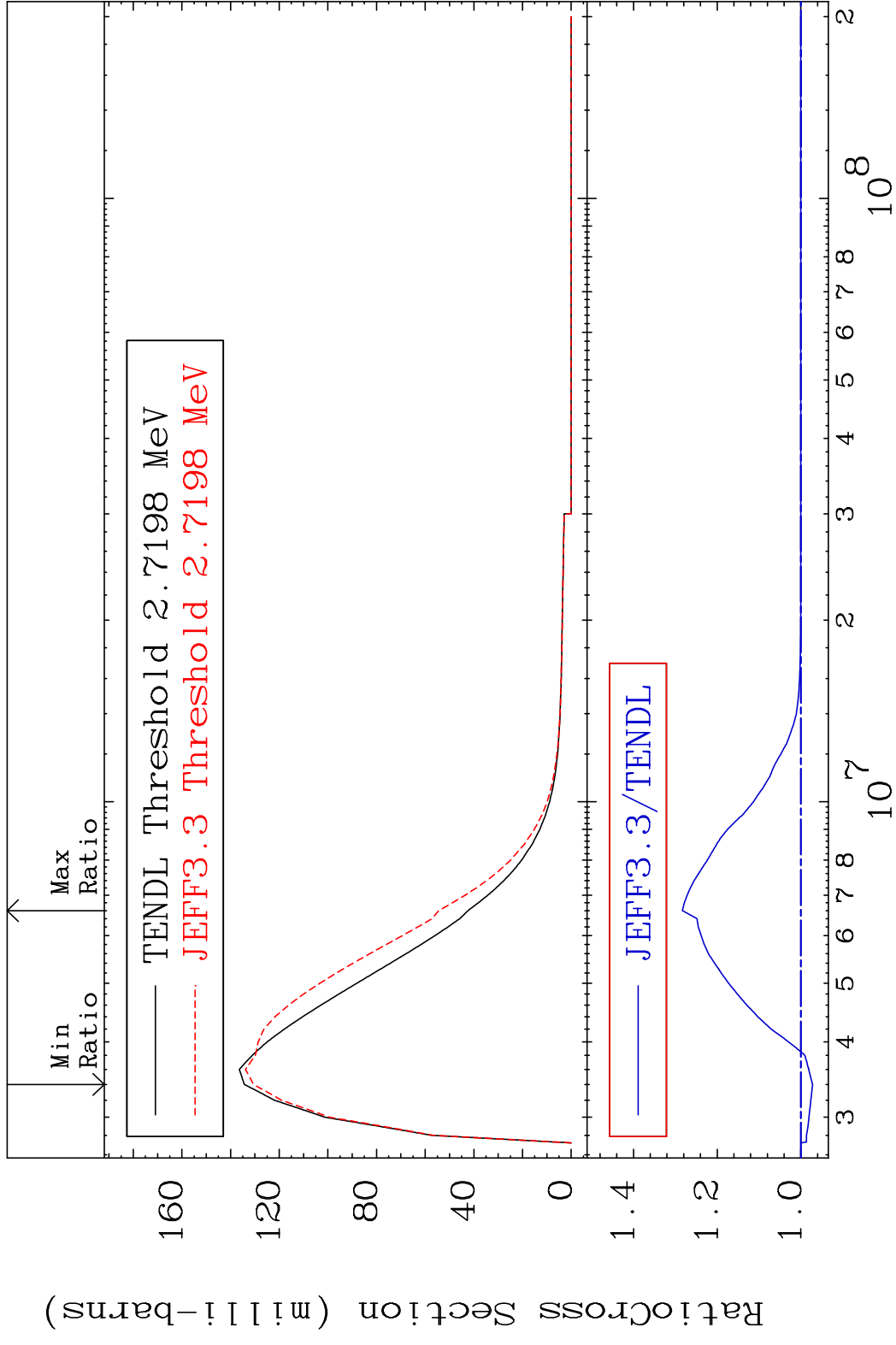
MAT 1834 MT= 59 (n, n') Level 18-Ar-39
 Cross Section -55.09 To 85.28 %



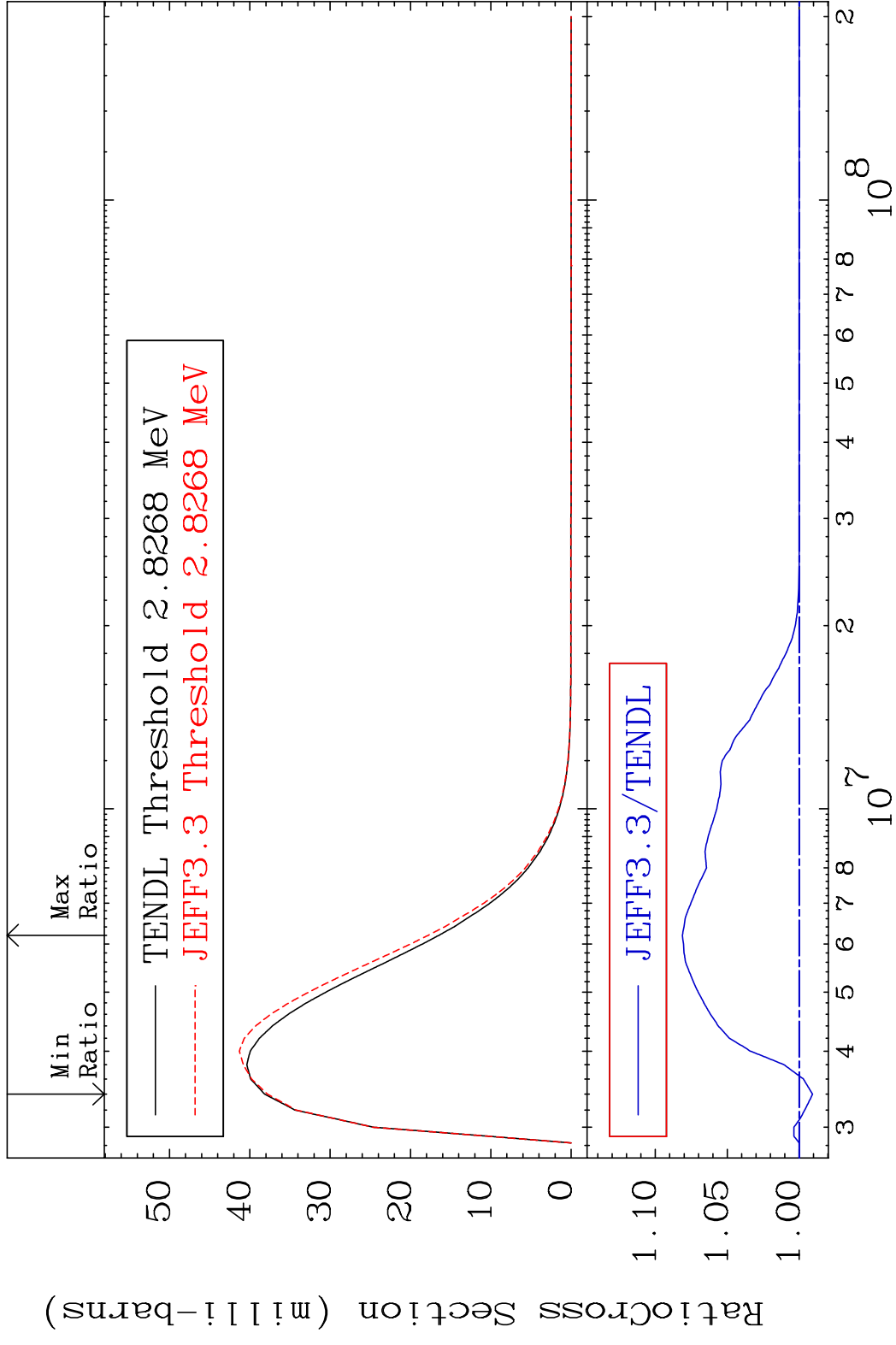
MAT 1834 MT= 60 (n, n') Level 18-Ar-39
 Cross Section 0.000 To 6.595 %



MAT 1834 MT= 61 (n, n') Level 18-Ar-39
 Cross Section -2.798 To 28.33 %



MAT 1834 MT= 62 (n, n') Level 18-Ar-39
 Cross Section -0.927 To 8.123 %

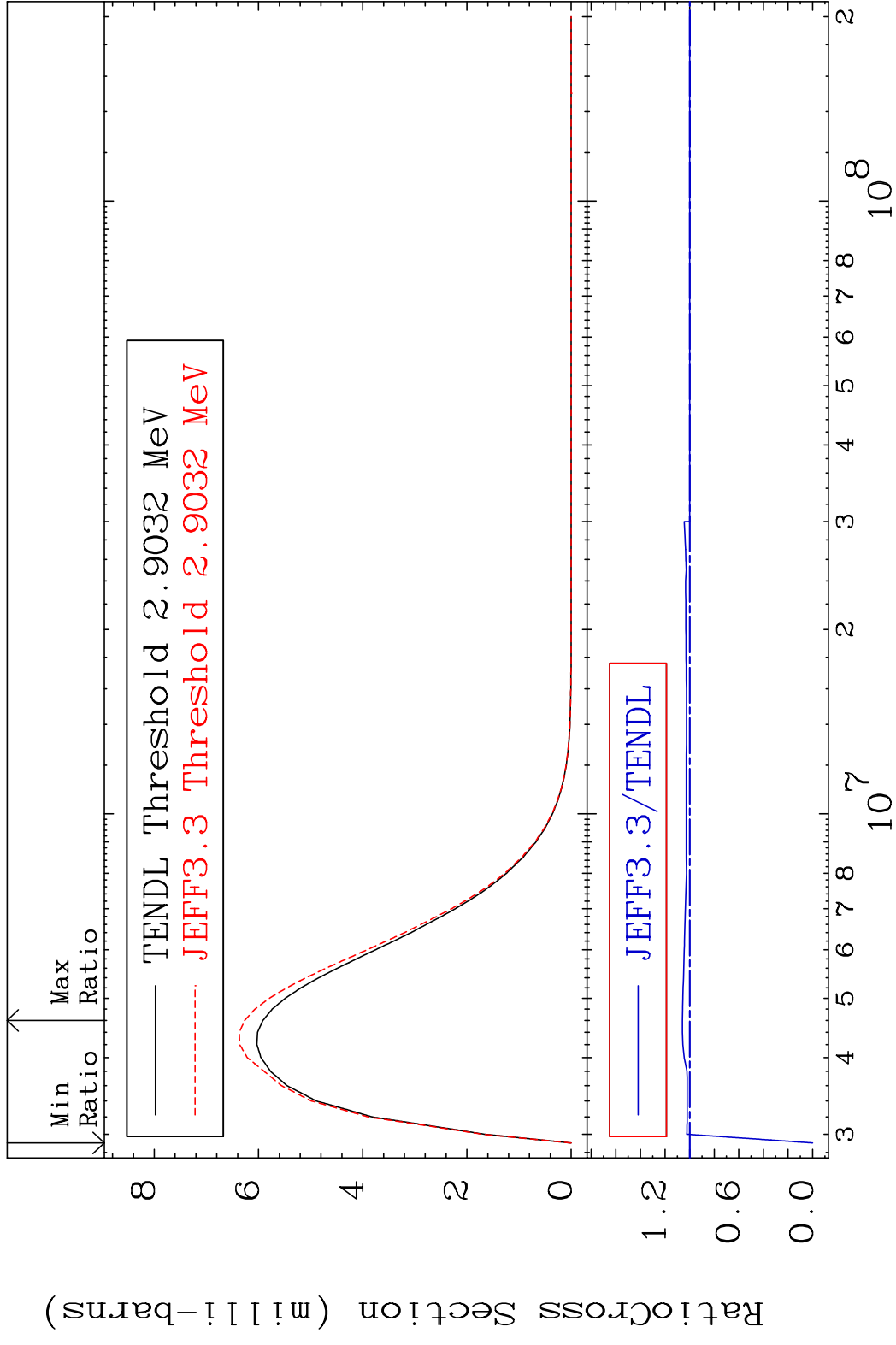


MAT 1834

MT= 63 (n, n') Level

18-Ar-39

Cross Section -100.0 To 5.910 %

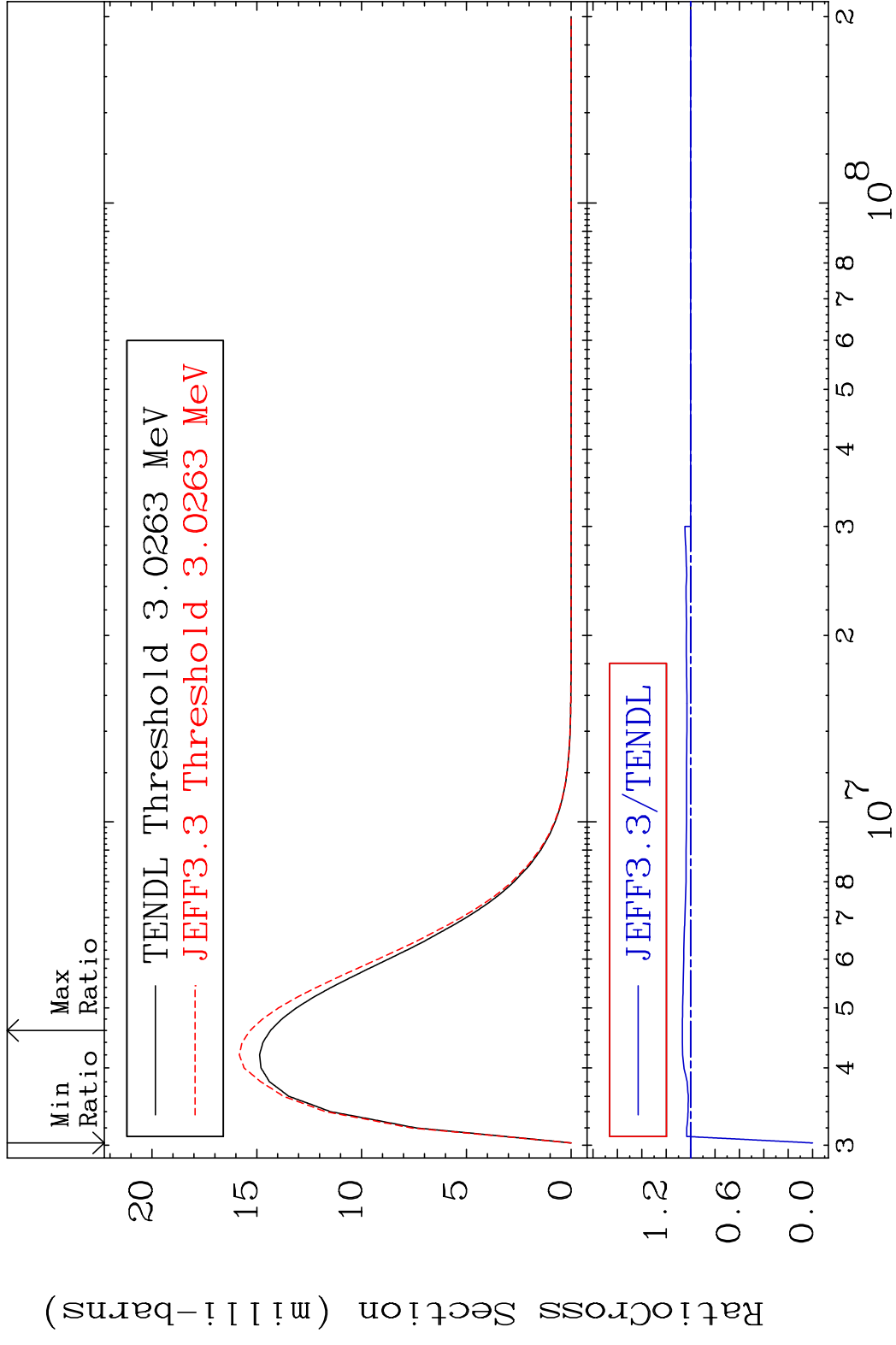


MAT 1834

MT= 64 (n, n') Level

18-Ar-39

Cross Section -100.0 To 6.771 %

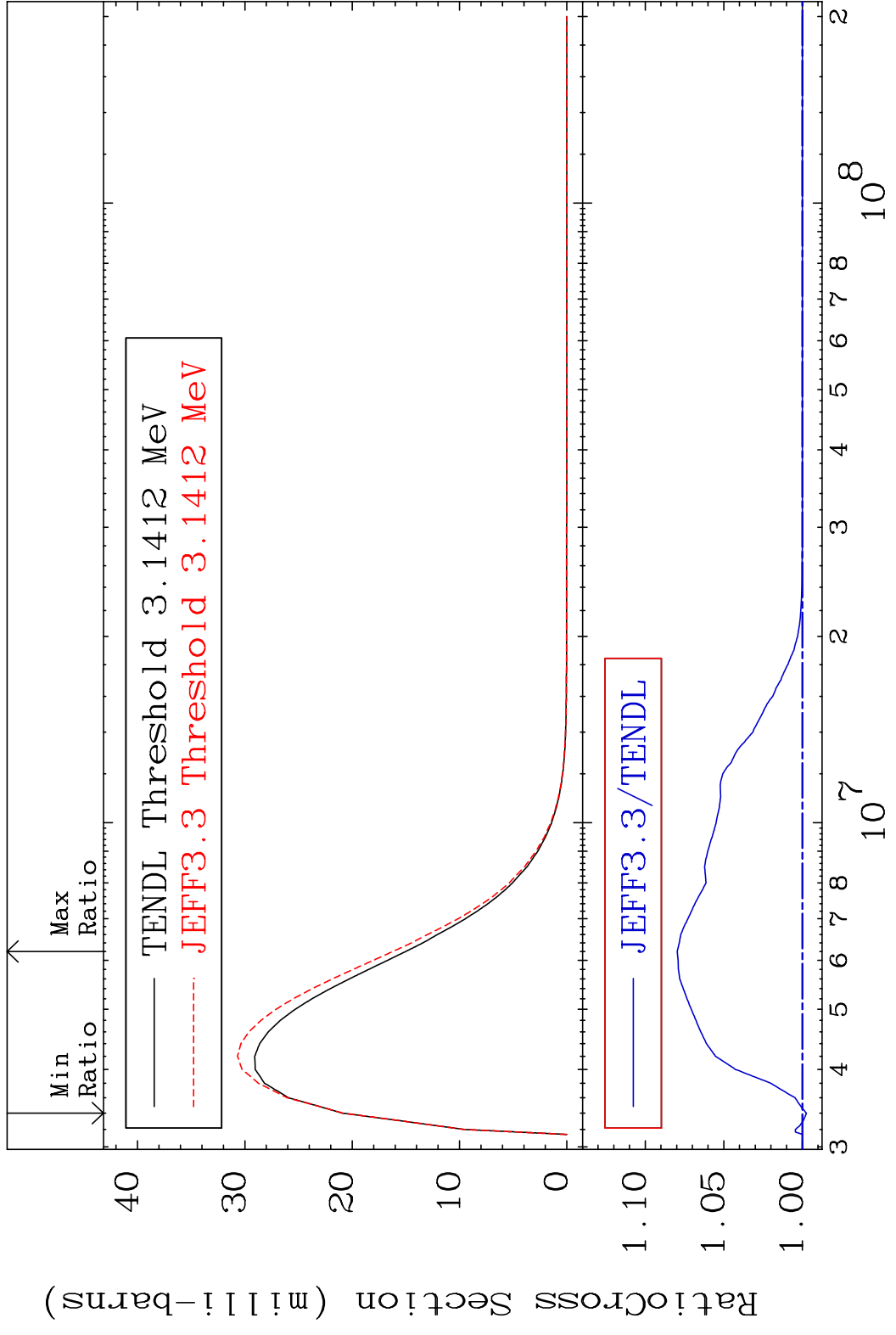


34

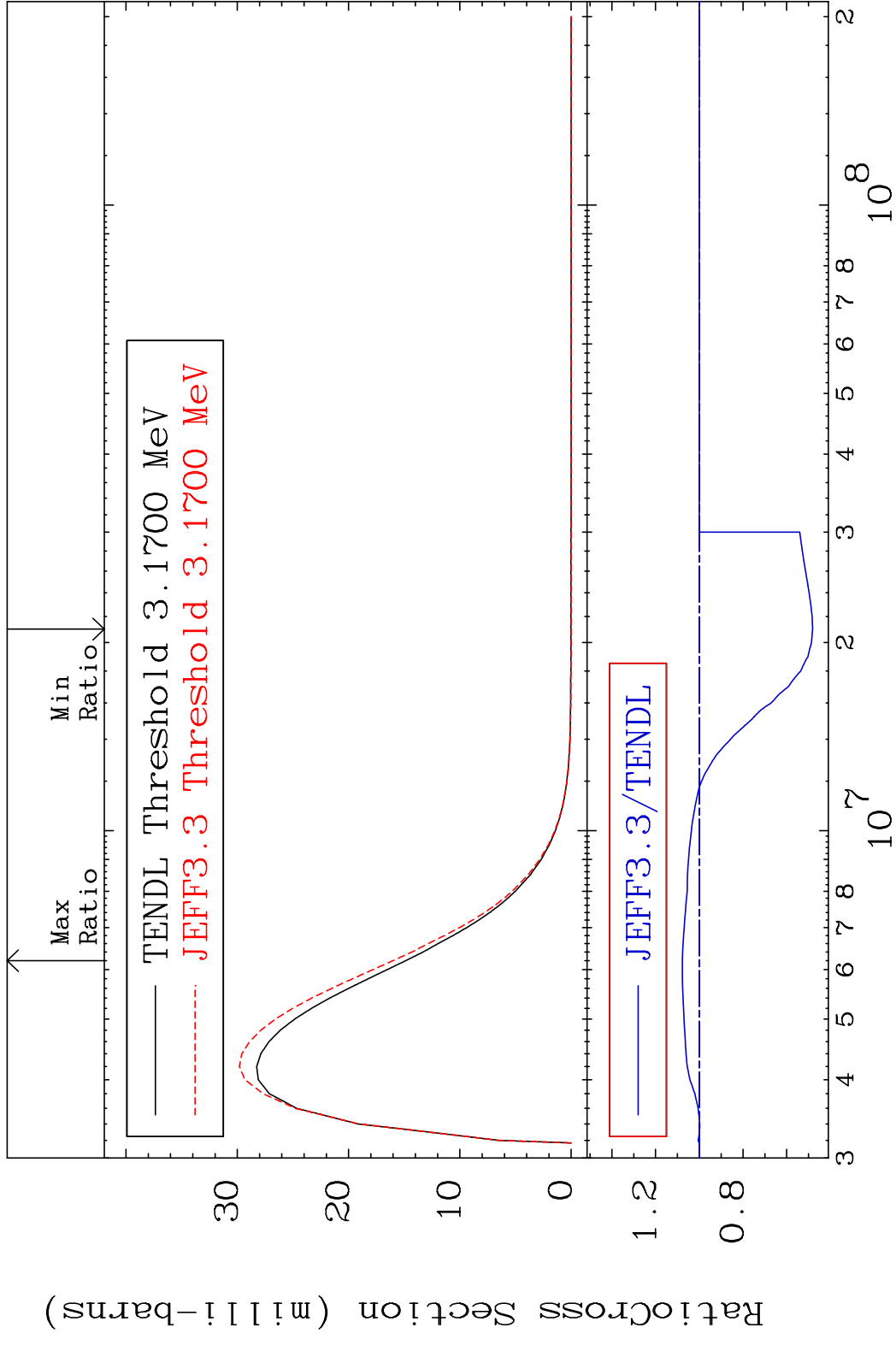
Incident Energy (eV)

18-Ar-39

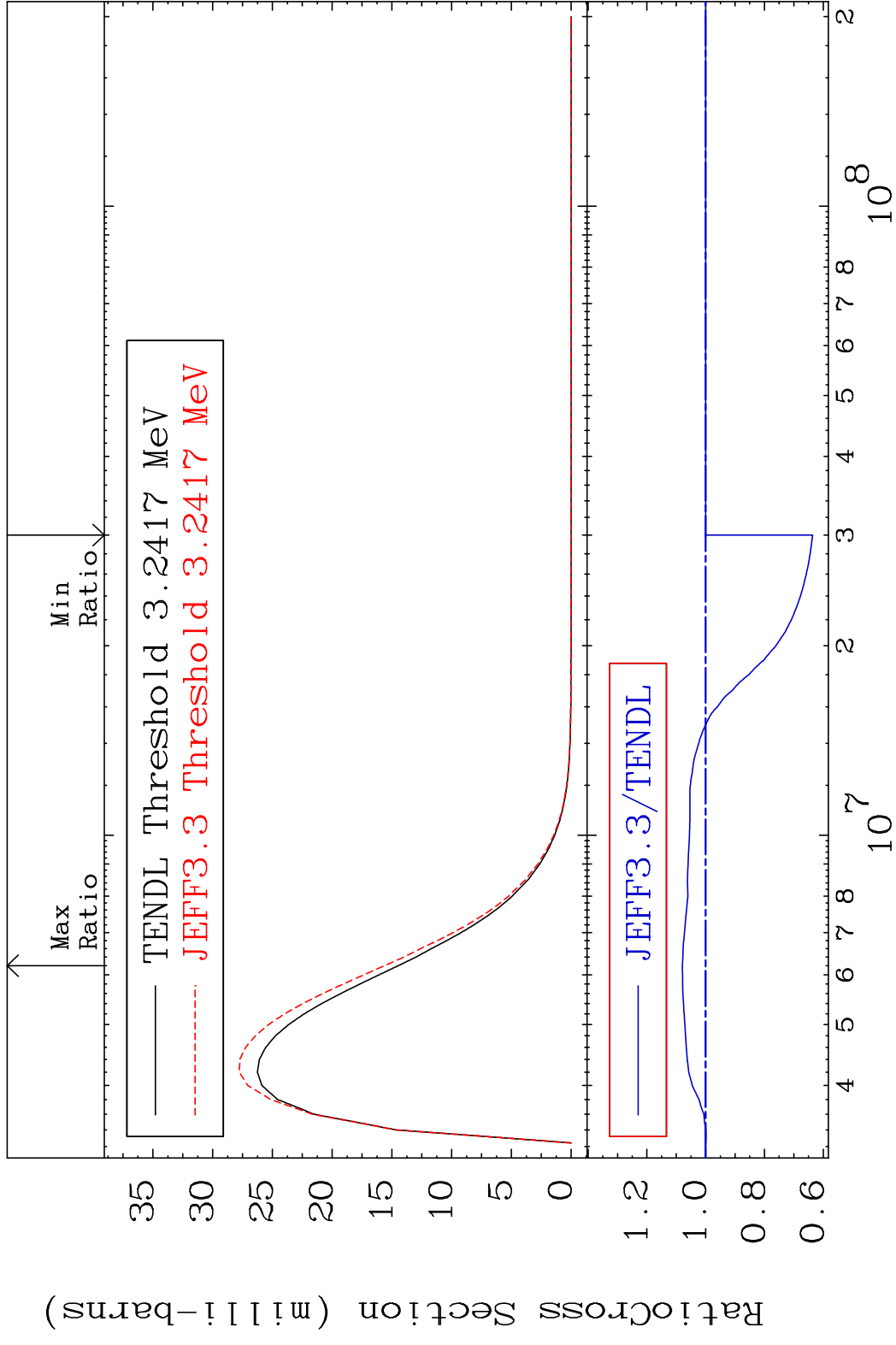
MAT 1834 MT= 65 (n, n') Level 18-Ar-39
 Cross Section -0.258 To 7.967 %



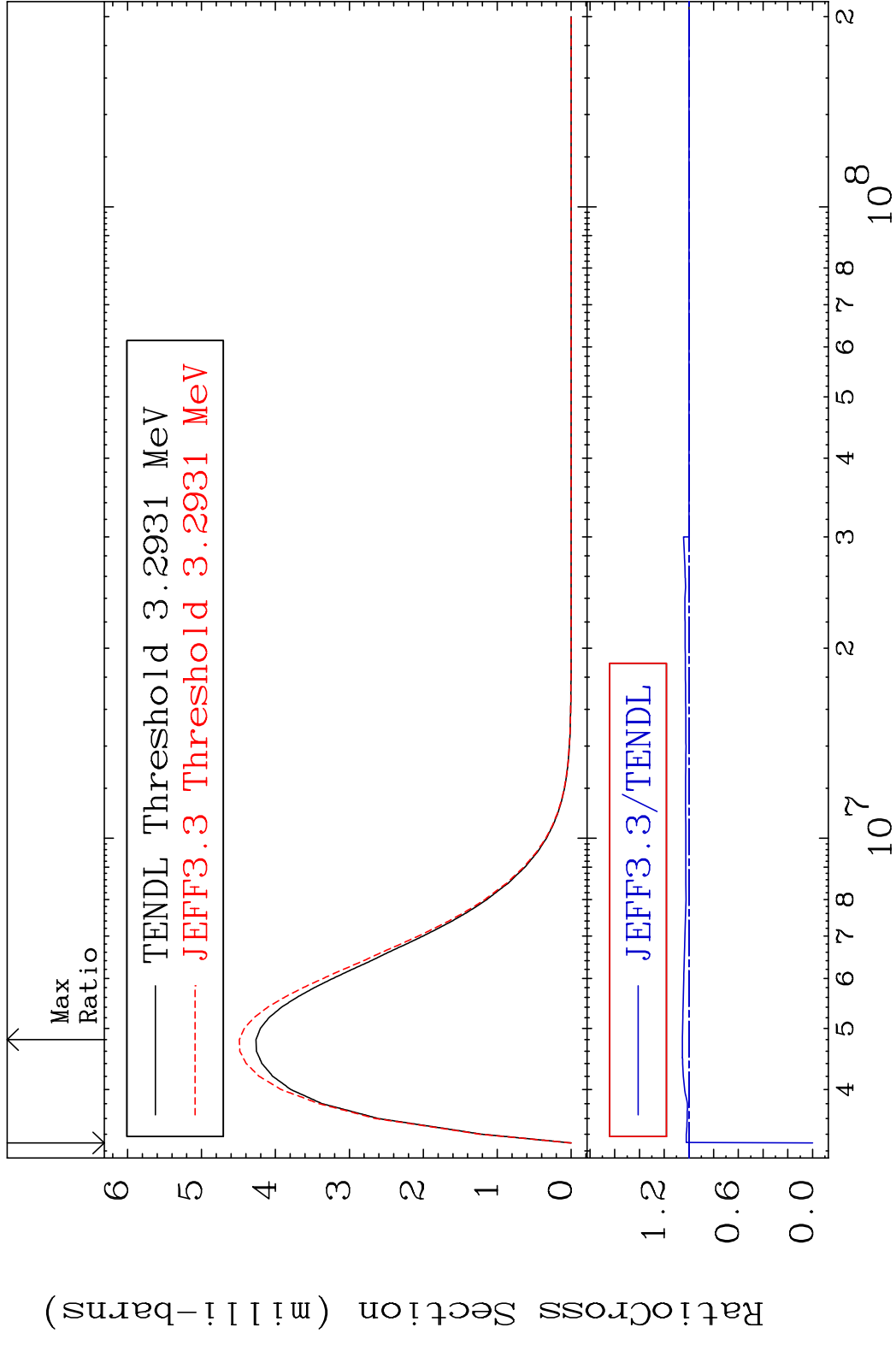
MAT 1834 MT= 66 (n, n') Level 18-Ar-39
 Cross Section -51.82 To 7.748 %



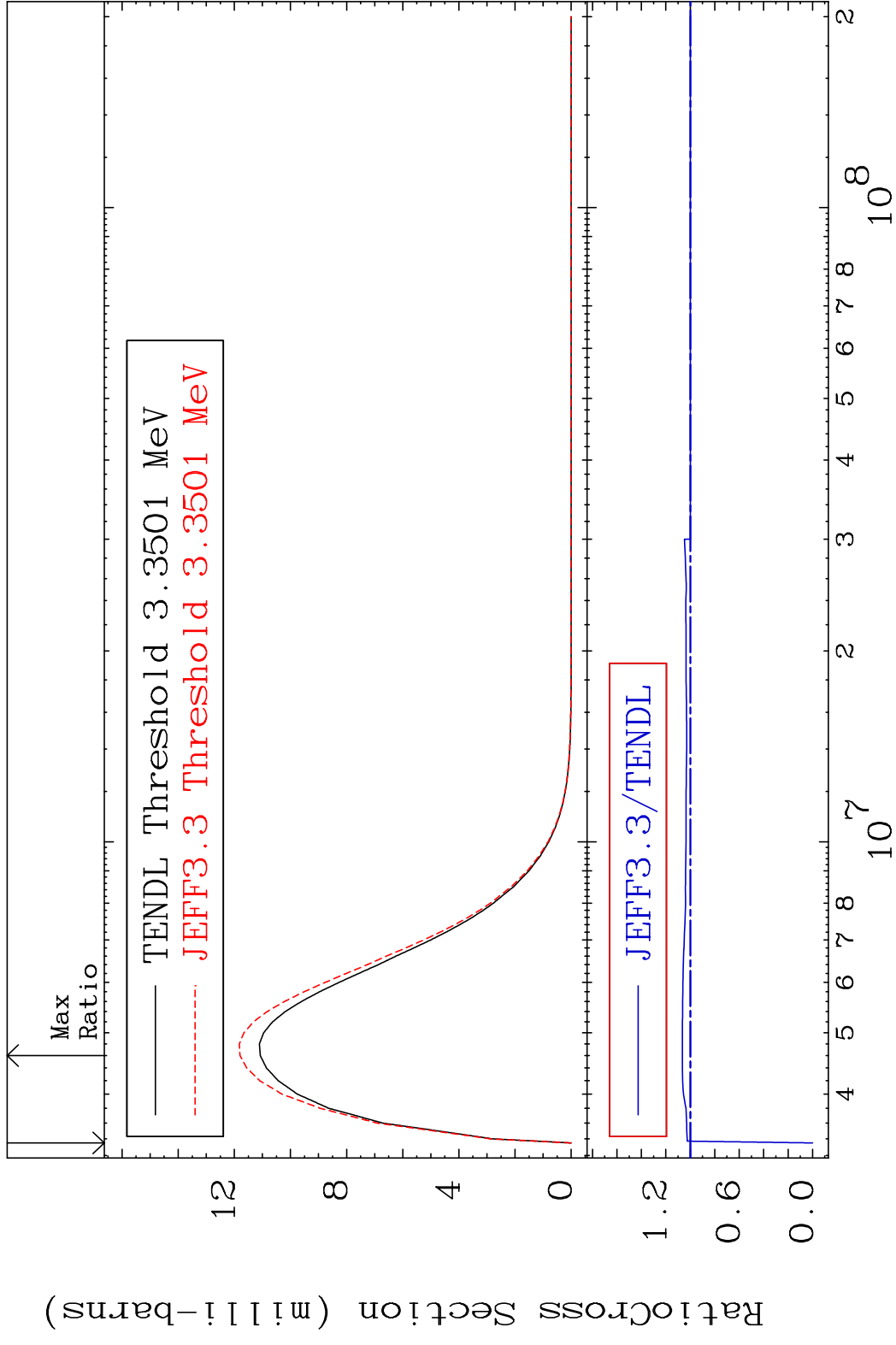
MAT 1834 MT= 67 (n, n') Level 18-Ar-39
 Cross Section -36.36 To 7.943 %



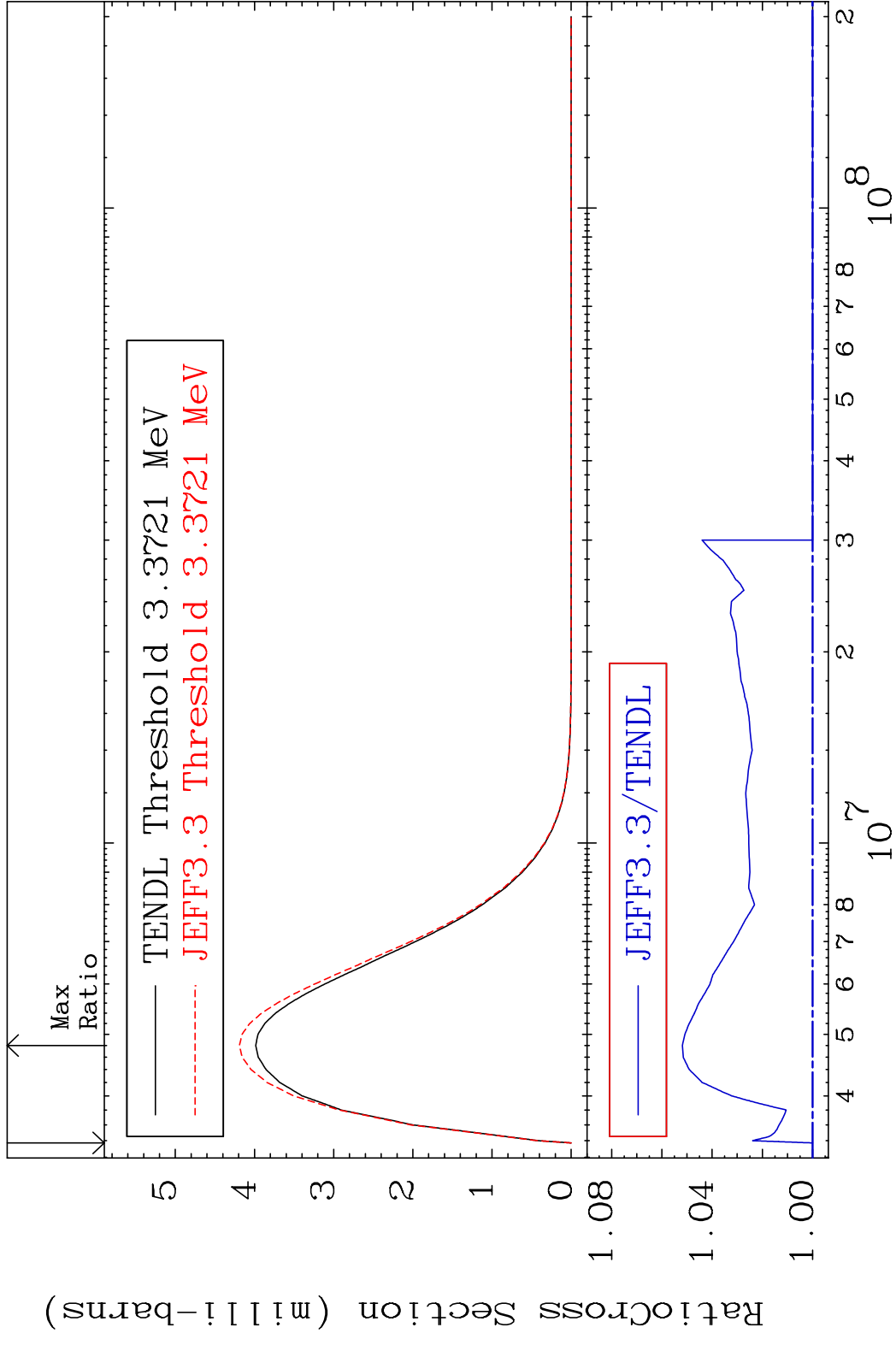
MAT 1834 MT= 68 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 5.306 %



MAT 1834 MT= 69 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 6.481 %

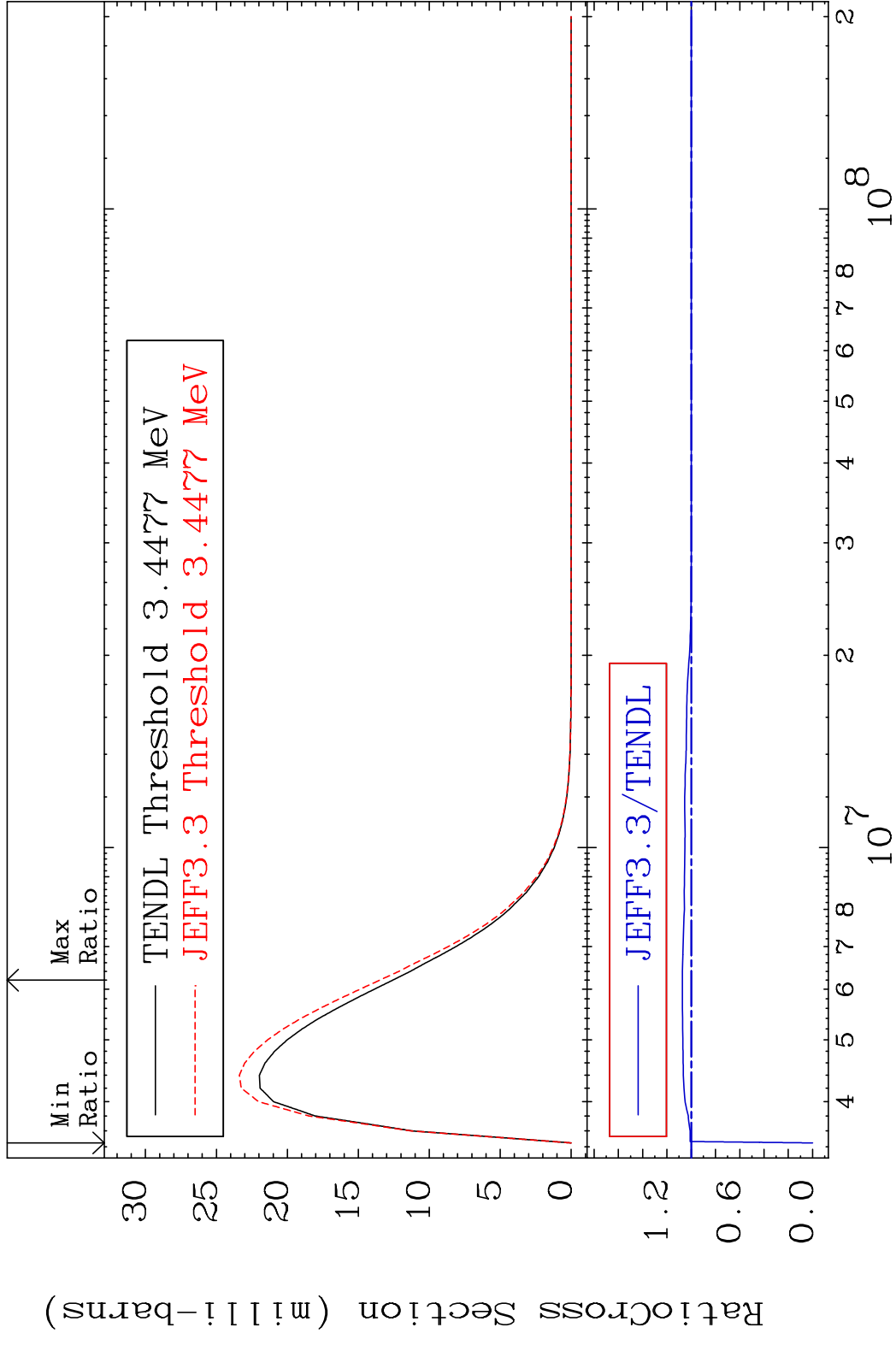


MAT 1834 MT= 70 (n, n') Level 18-Ar-39
 Cross Section 0.000 To 5.186 %

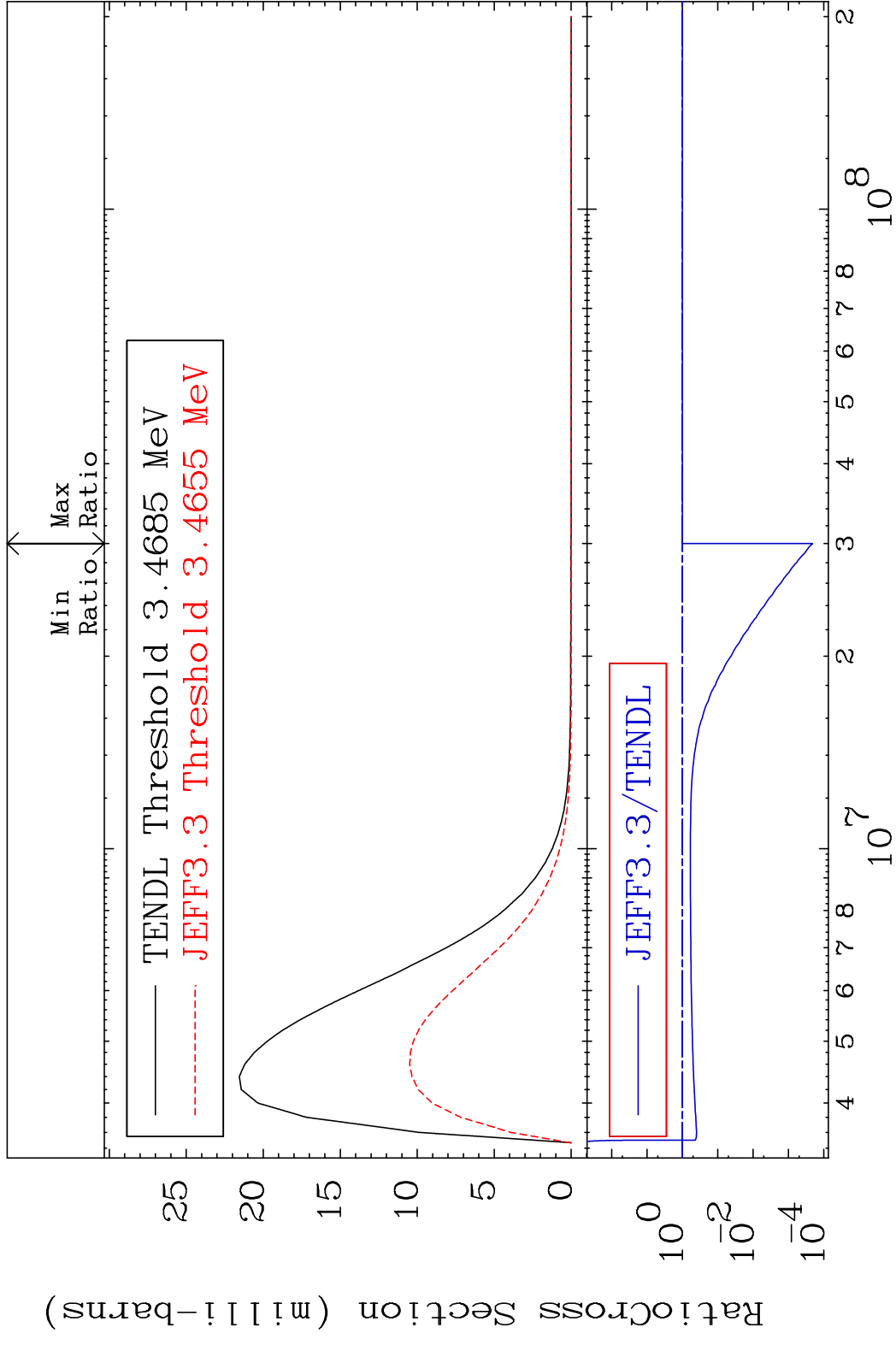


40 Incident Energy (eV) 18-Ar-39

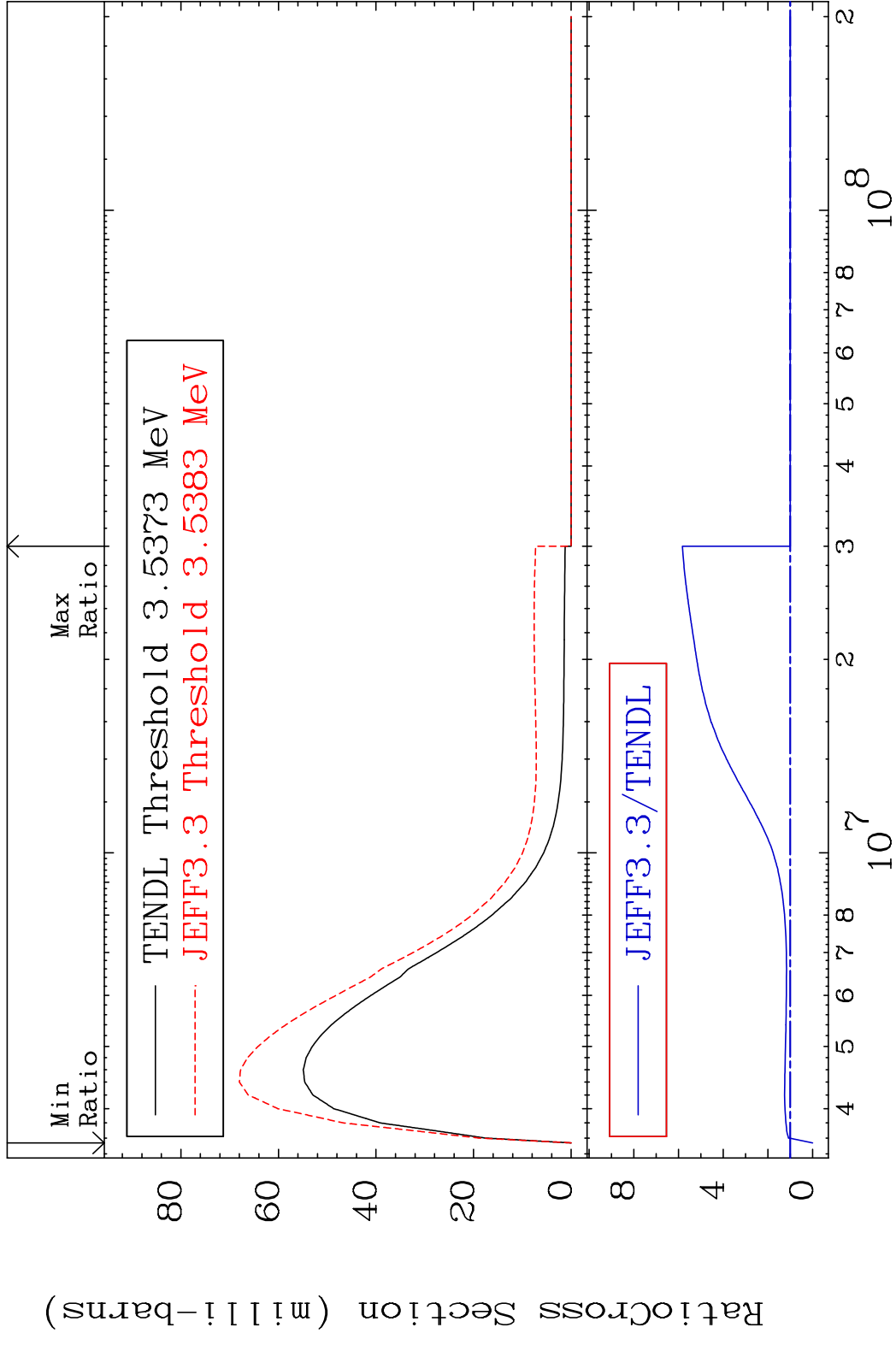
MAT 1834 MT= 71 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 7.295 %



MAT 1834 MT= 72 (n, n') Level 18-Ar-39
 Cross Section -99.98 To 0.000 %

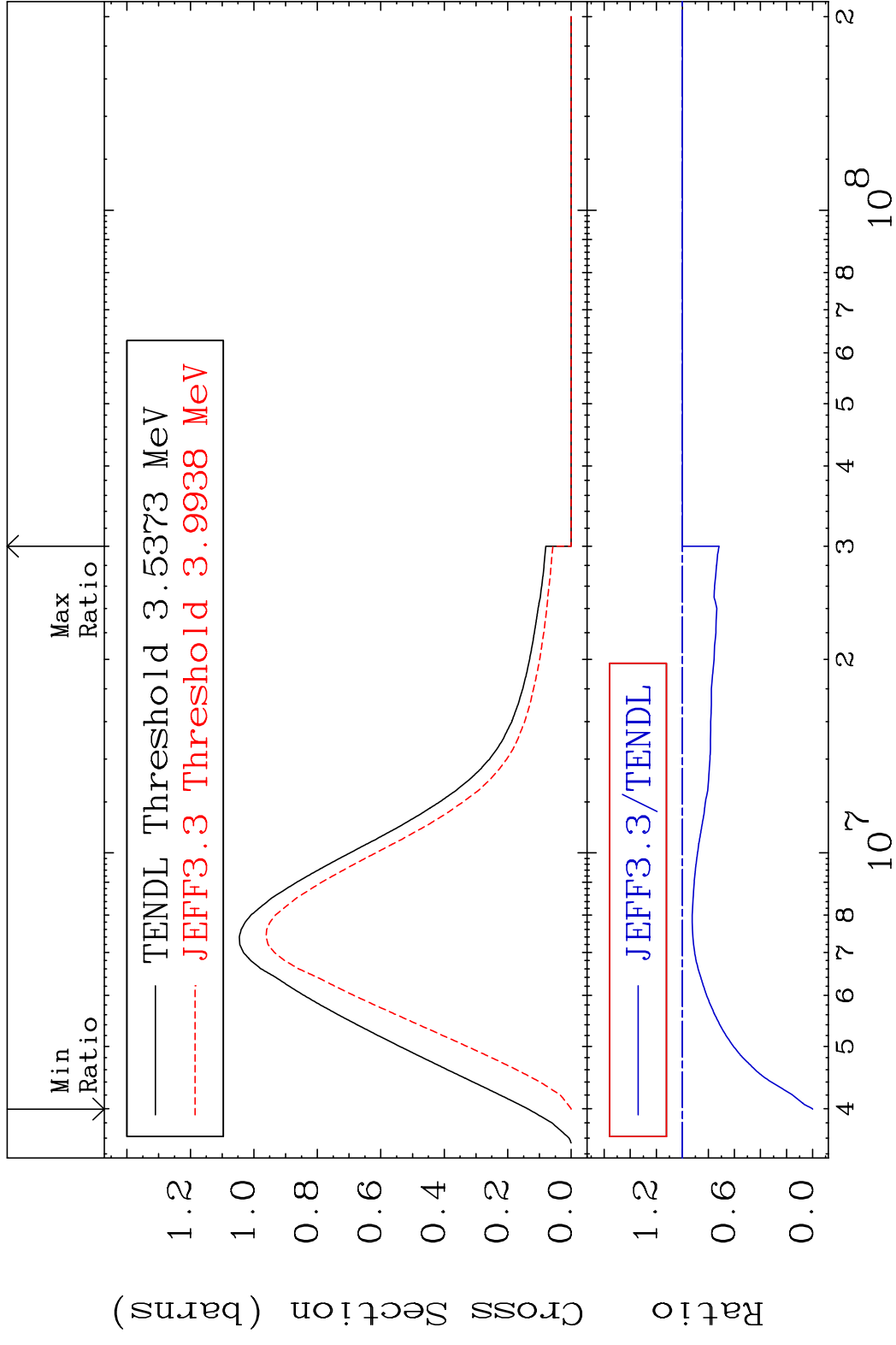


MAT 1834 MT= 73 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 482.8 %



43 Incident Energy (eV) 18-Ar-39

MAT 1834 (n,n') Continuum 18-Ar-39
 Cross Section -100.0 To 0.000 %

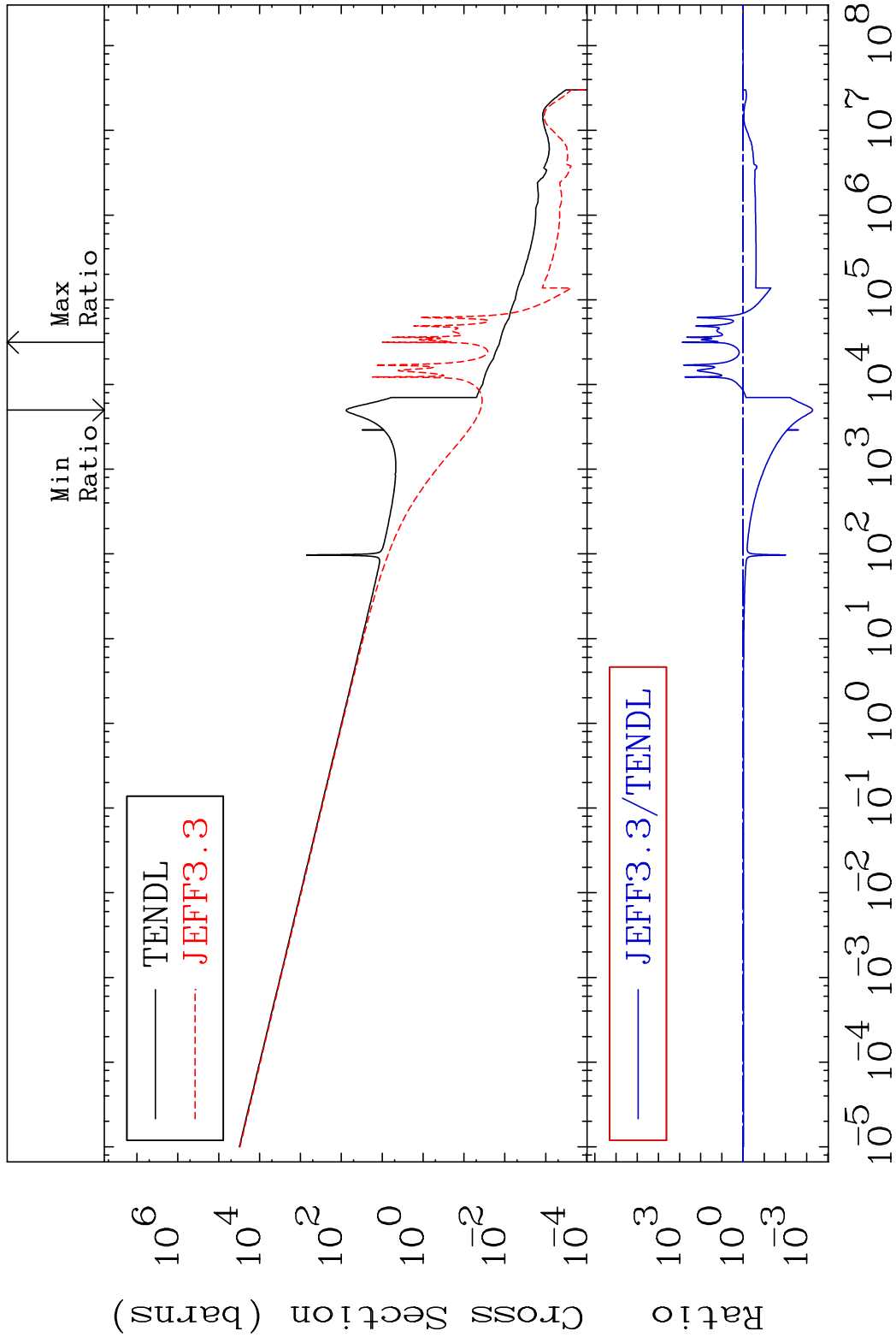


MAT 1834

(n, γ)

18-Ar-39

Cross Section -99.95 To 9999. %



45

Incident Energy (eV)

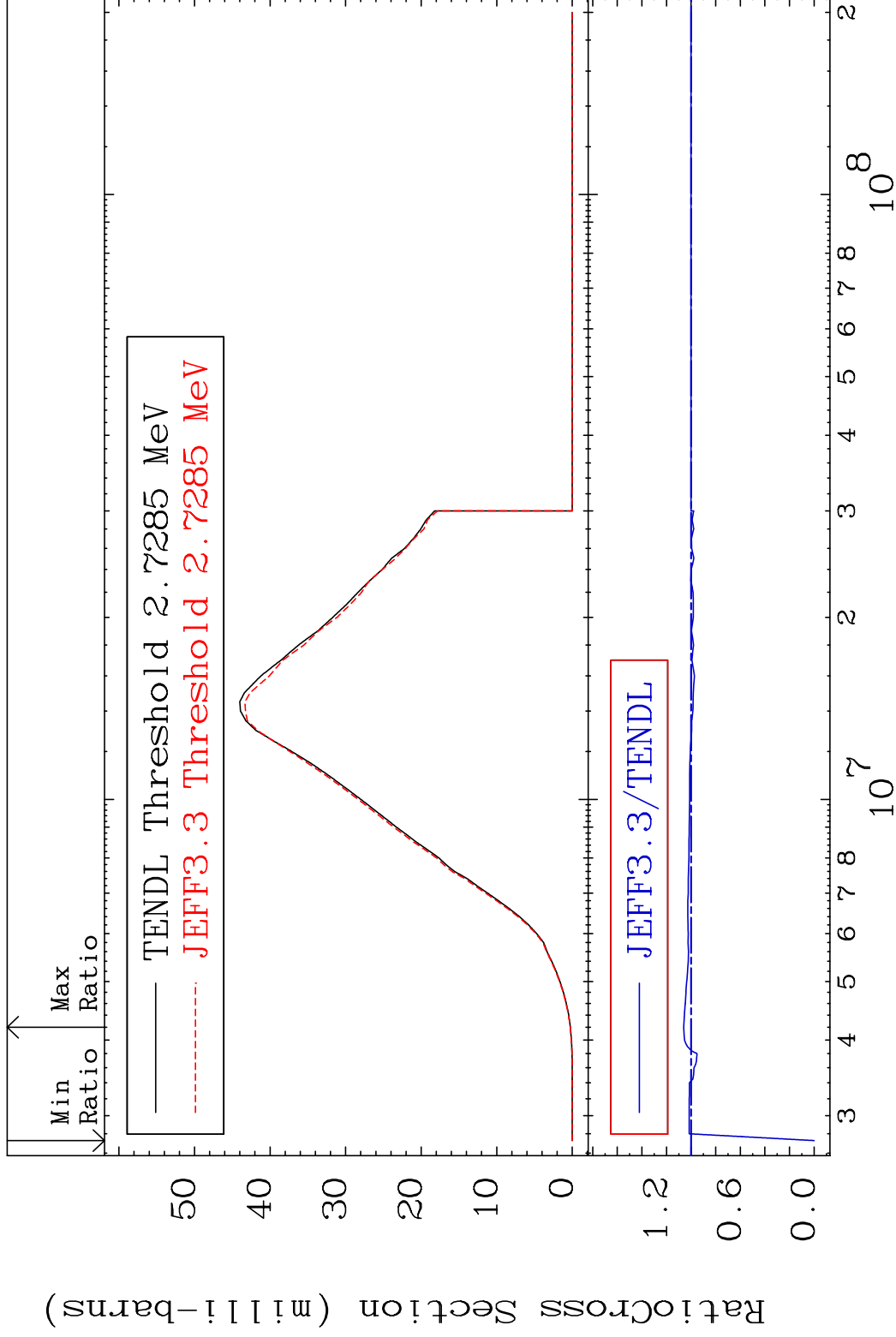
18-Ar-39

MAT 1834

(n,p)

18-Ar-39

Cross Section -100.0 To 6.043 %



46

Incident Energy (eV)

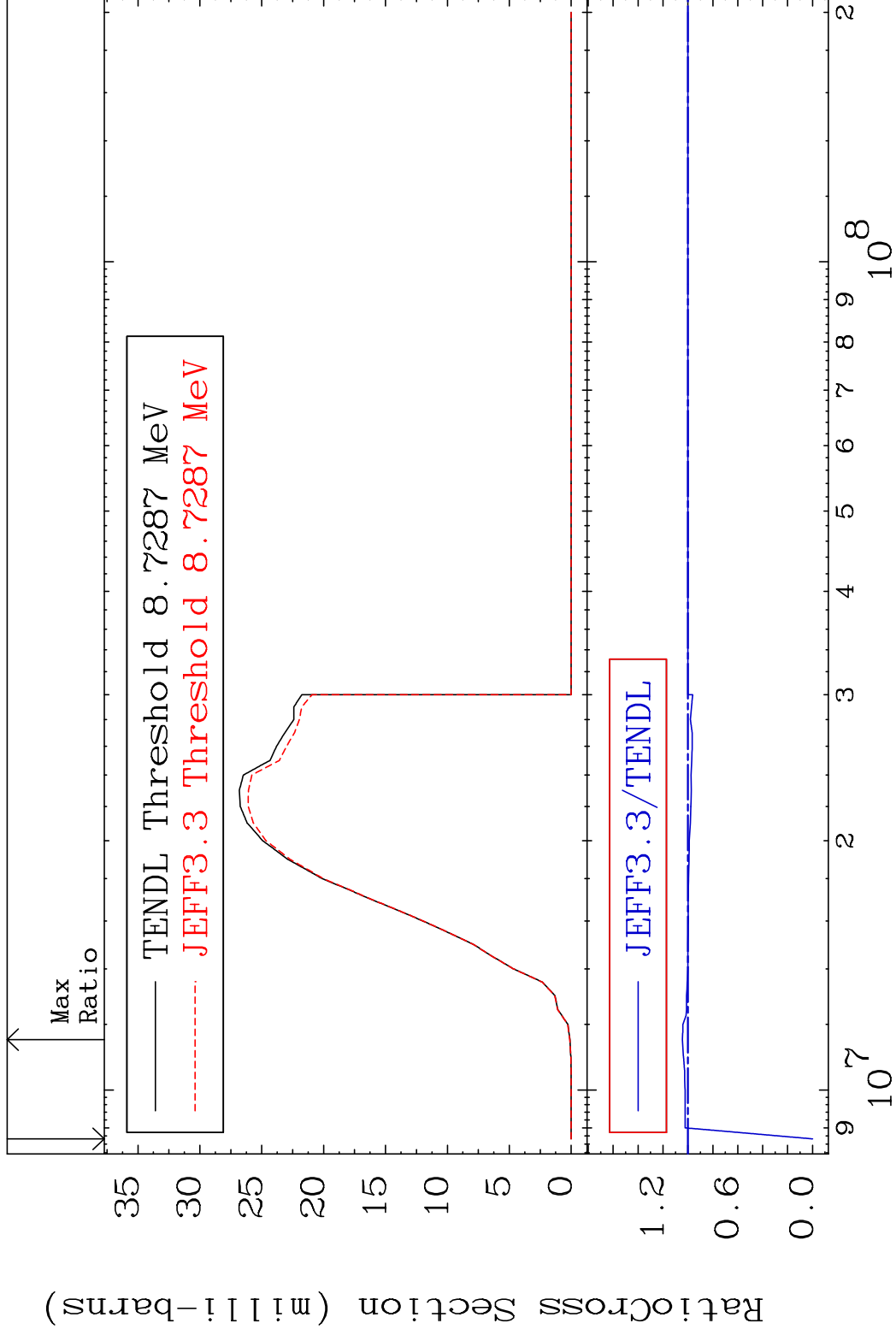
18-Ar-39

MAT 1834

(n,d)

18-Ar-39

Cross Section -100.0 To 4.481 %



47

Incident Energy (eV)

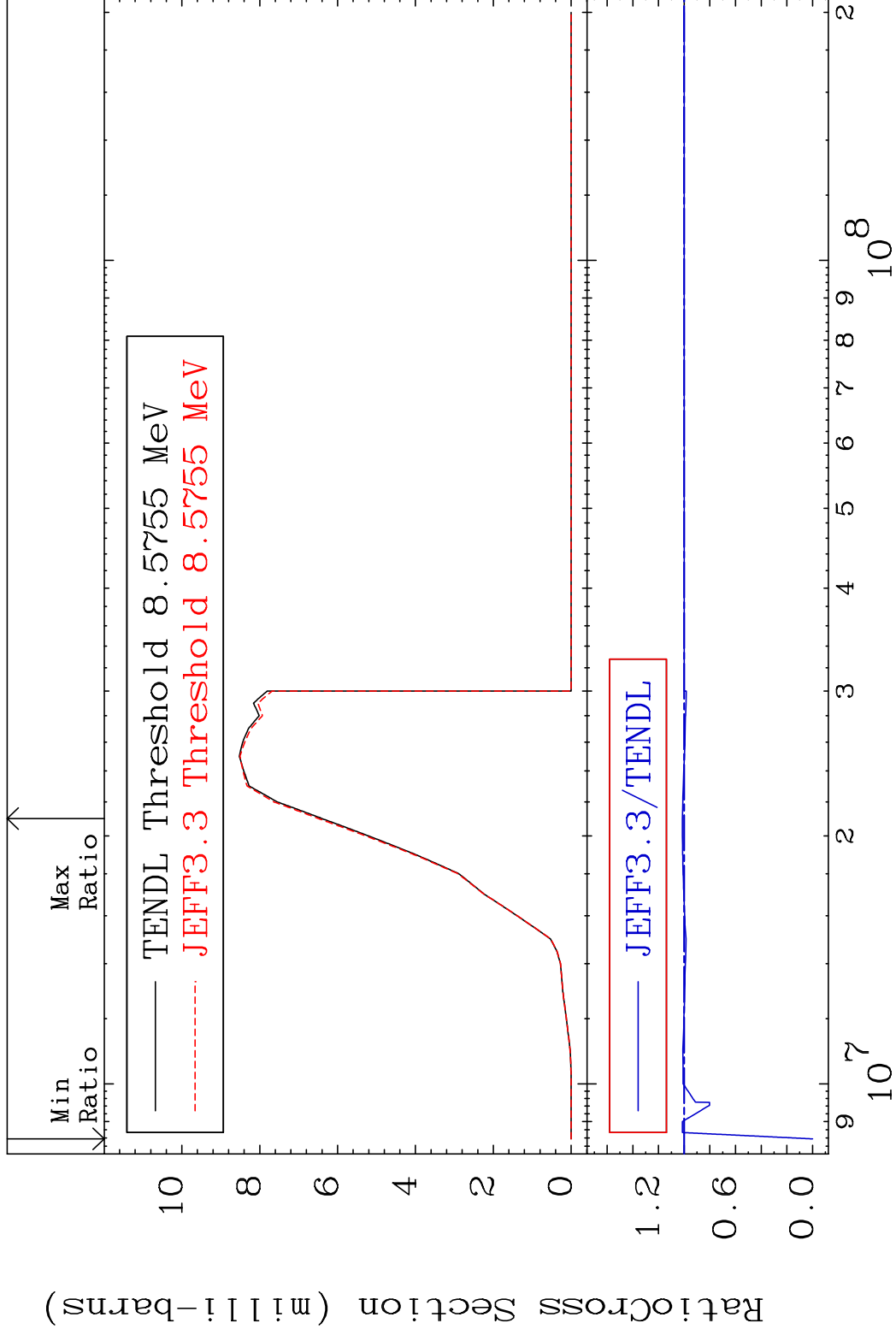
18-Ar-39

MAT 1834

(n, t)

18-Ar-39

Cross Section -100.0 To 1.428 %



48

Incident Energy (eV)

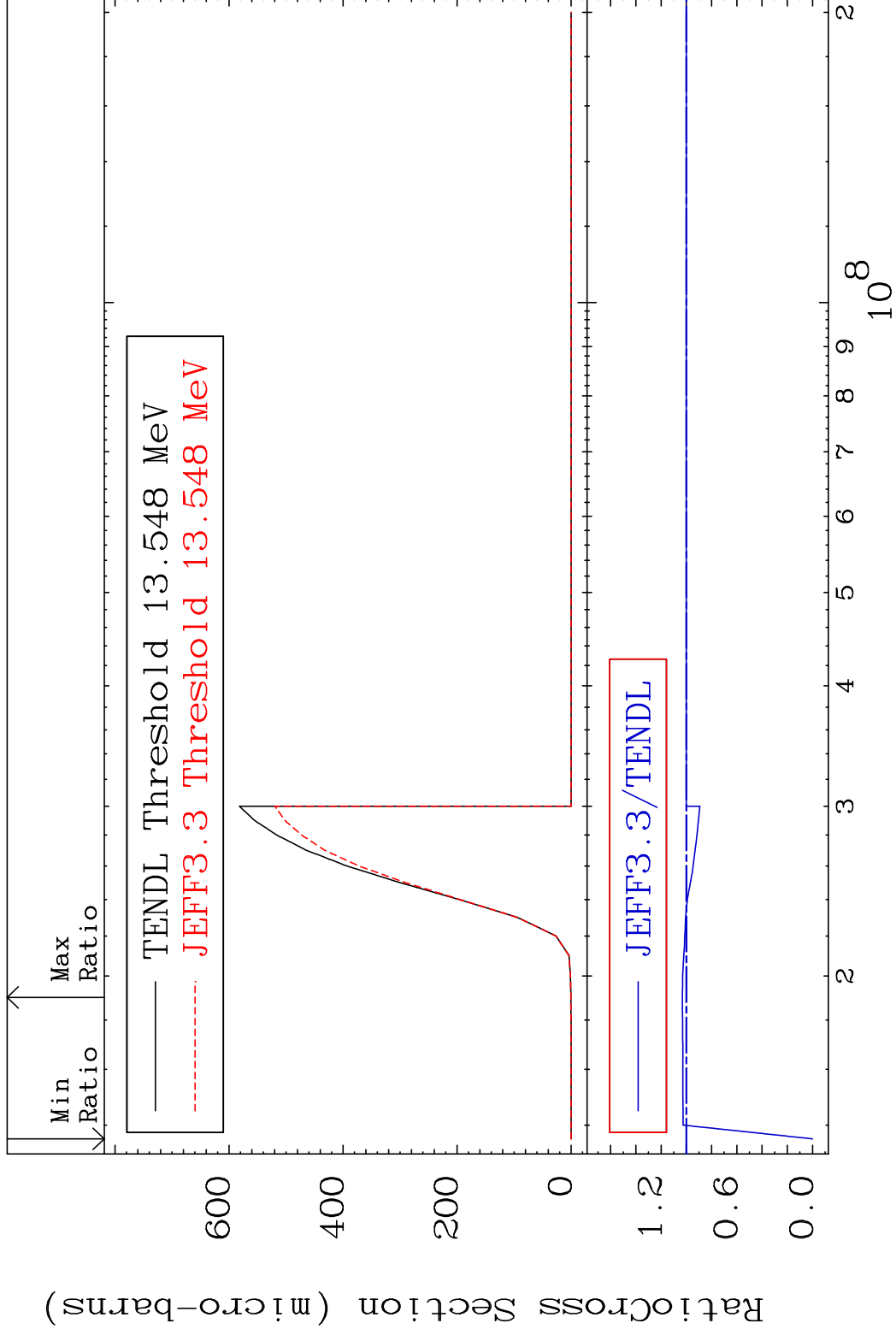
18-Ar-39

MAT 1834

(n, He-3)

18-Ar-39

Cross Section -100.0 To 3.163 %



49

Incident Energy (eV)

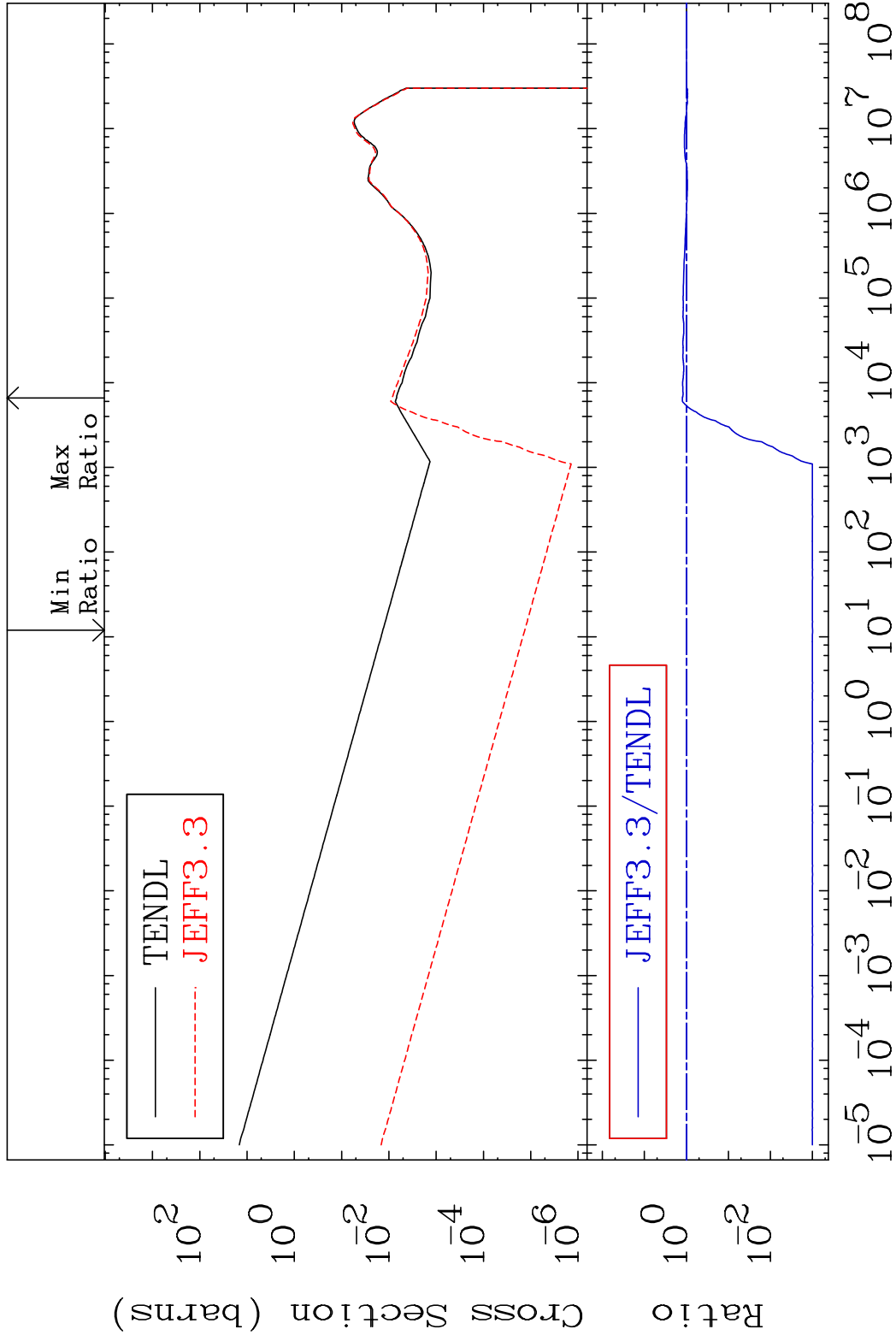
18-Ar-39

MAT 1834

(n, α)

18-Ar-39

Cross Section -99.90 To 24.83 %



50

Incident Energy (eV)

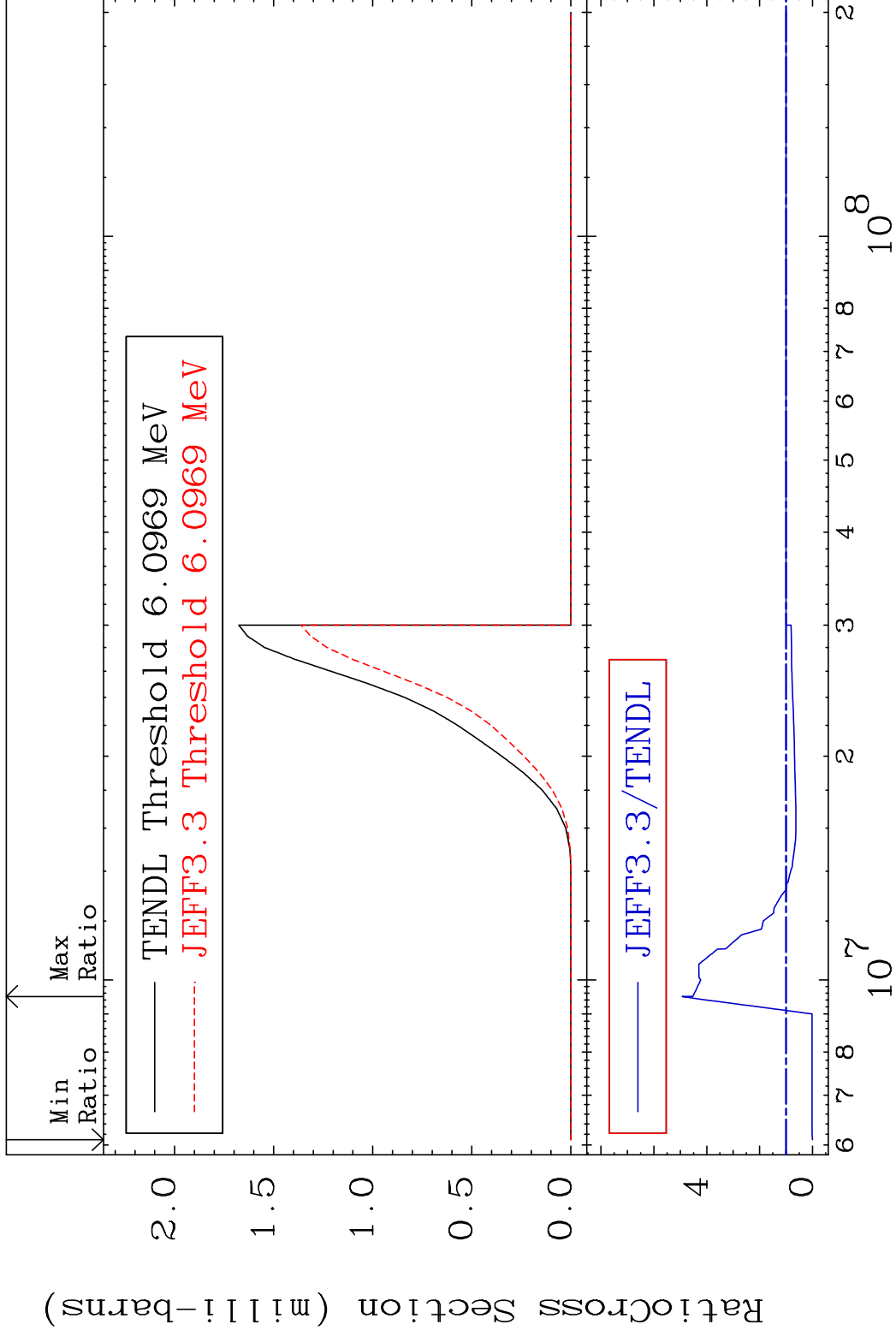
18-Ar-39

MAT 1834

(n,2α)

18-Ar-39

Cross Section -100.0 To 393.0 %

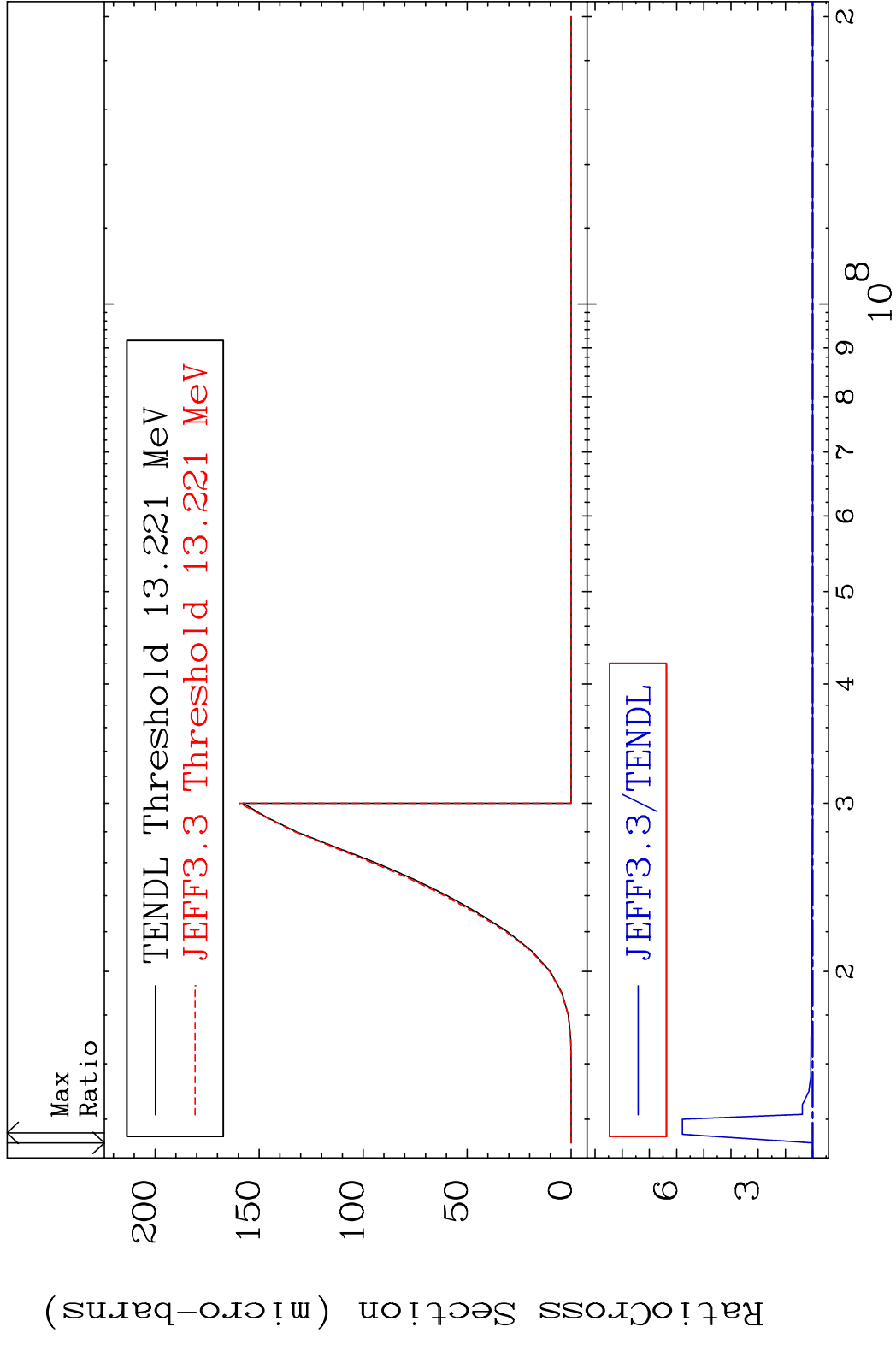


51

Incident Energy (eV)

18-Ar-39

MAT 1834 (n,2p) 18-Ar-39
 Cross Section 0.000 To 478.8 %

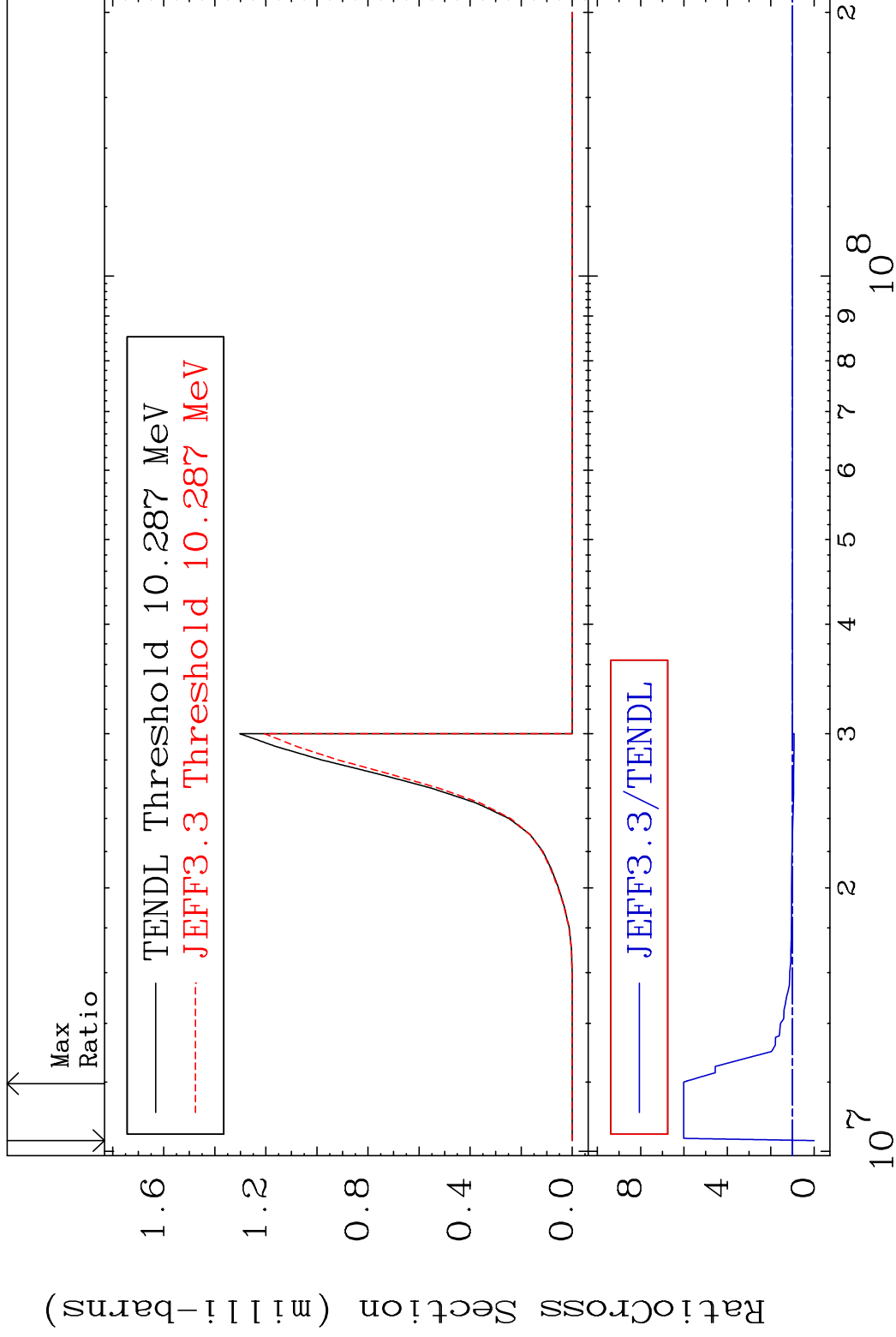


MAT 1834

(n,p) α

18-Ar-39

Cross Section -100.0 To 501.6 %



53

Incident Energy (eV)

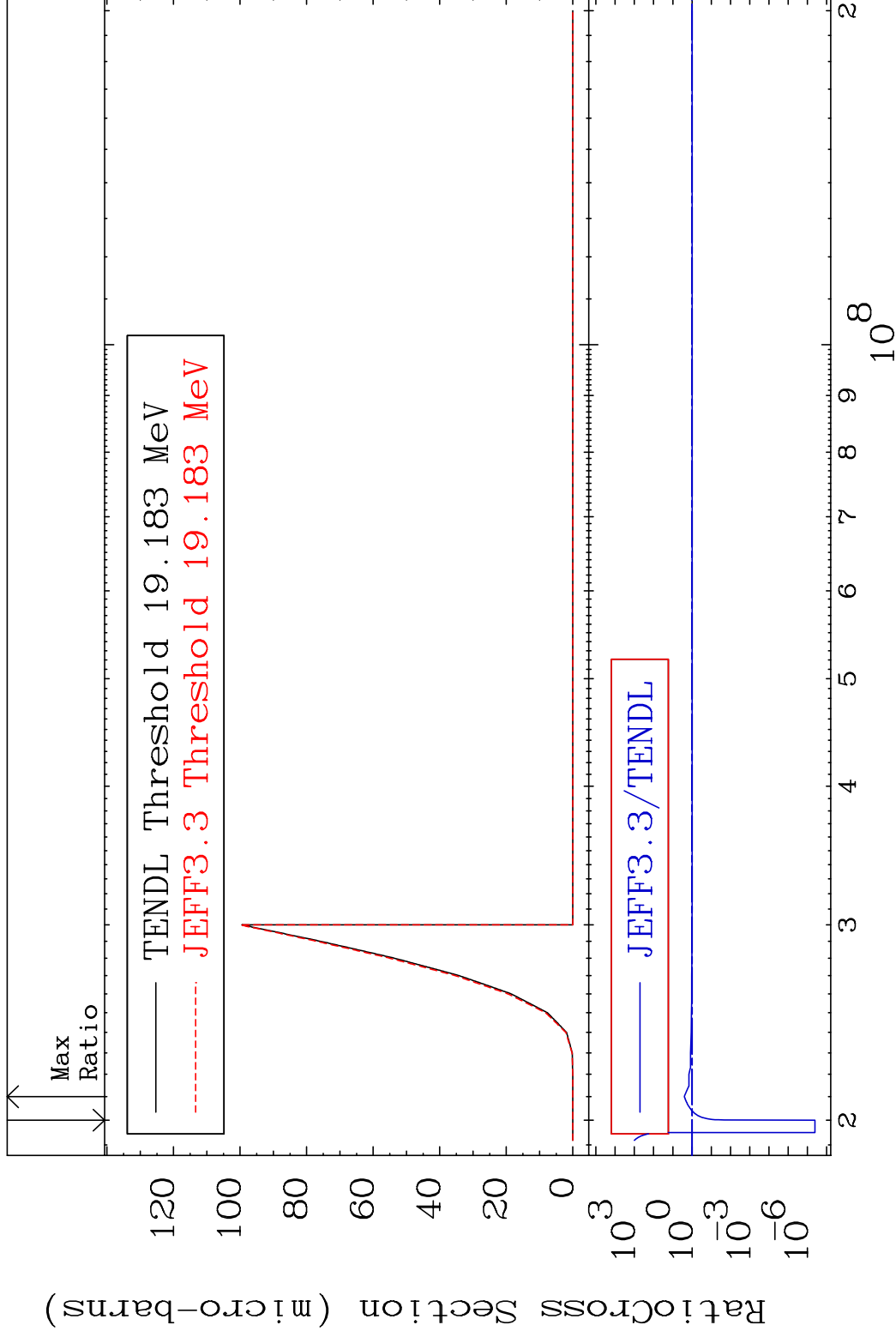
18-Ar-39

MAT 1834

(n,p) d

18-Ar-39

Cross Section -100.0 To 151.9 %

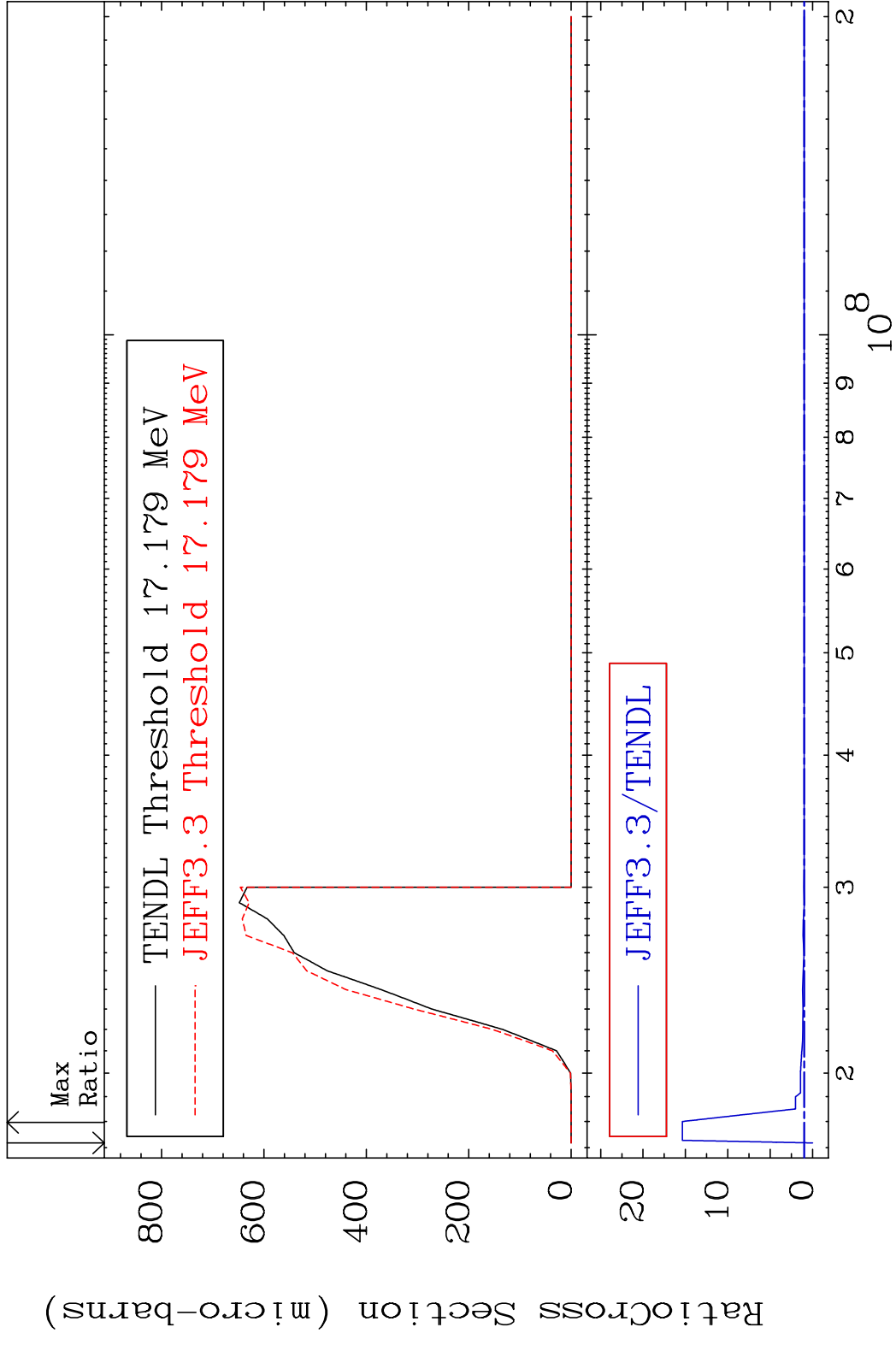


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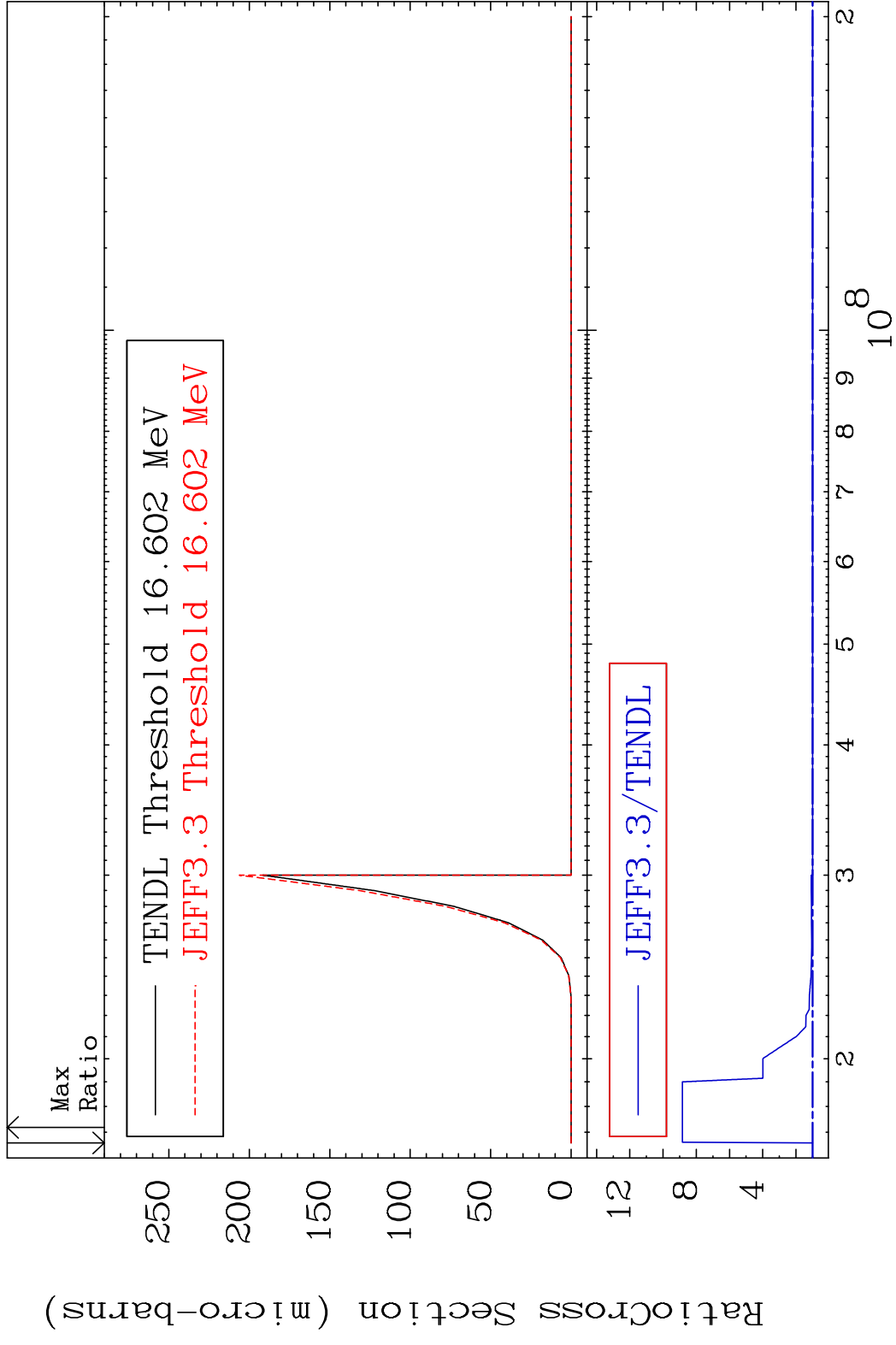
Incident Energy (eV)

18-Ar-39

MAT 1834 (n,p) t 18-Ar-39
 Cross Section -100.0 To 1436. %



MAT 1834 (n,d) α 18-Ar-39
 Cross Section 0.000 To 783.7 %

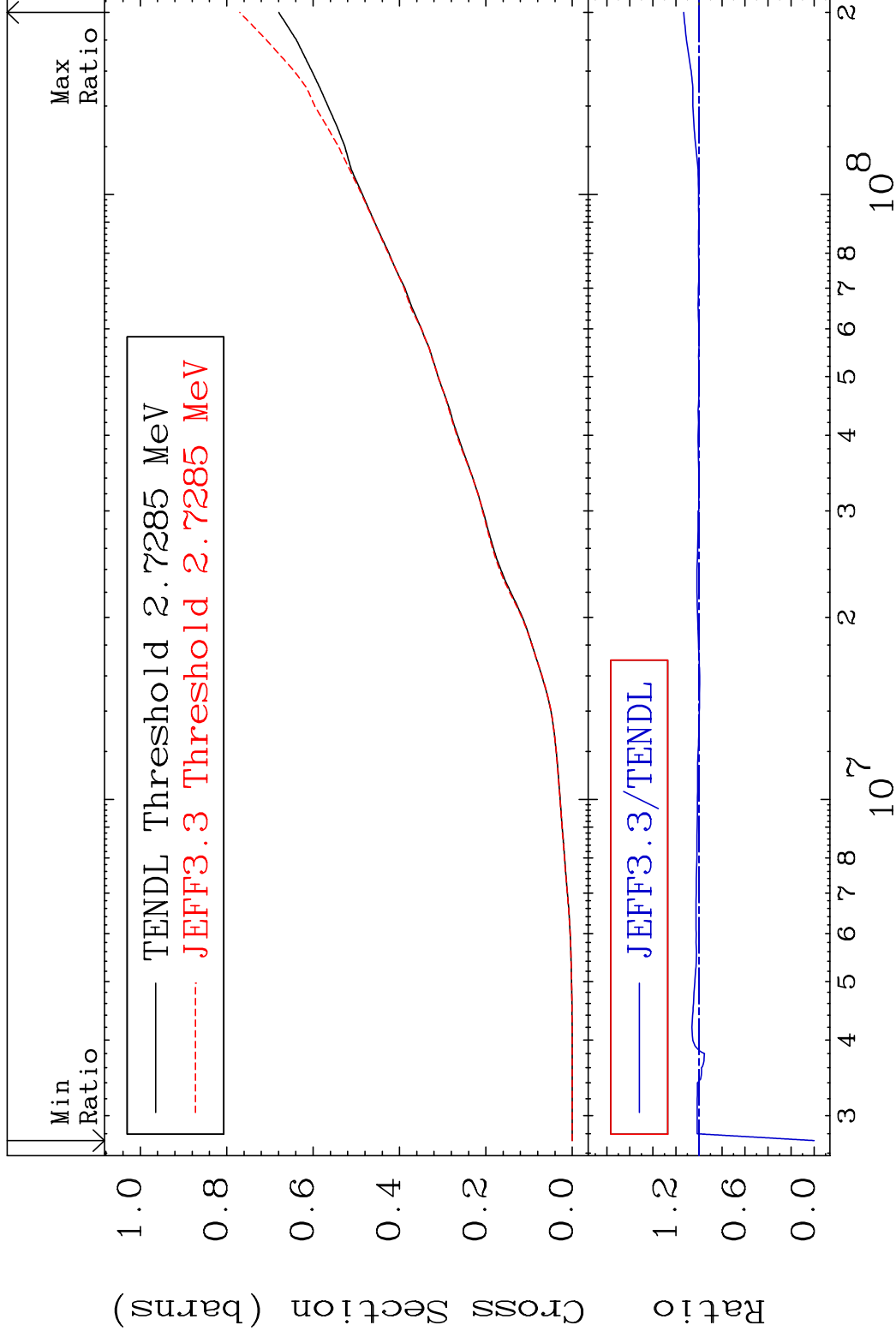


MAT 1834

Hydrogen Production

18-Ar-39

Cross Section -100.0 To 13.27 %

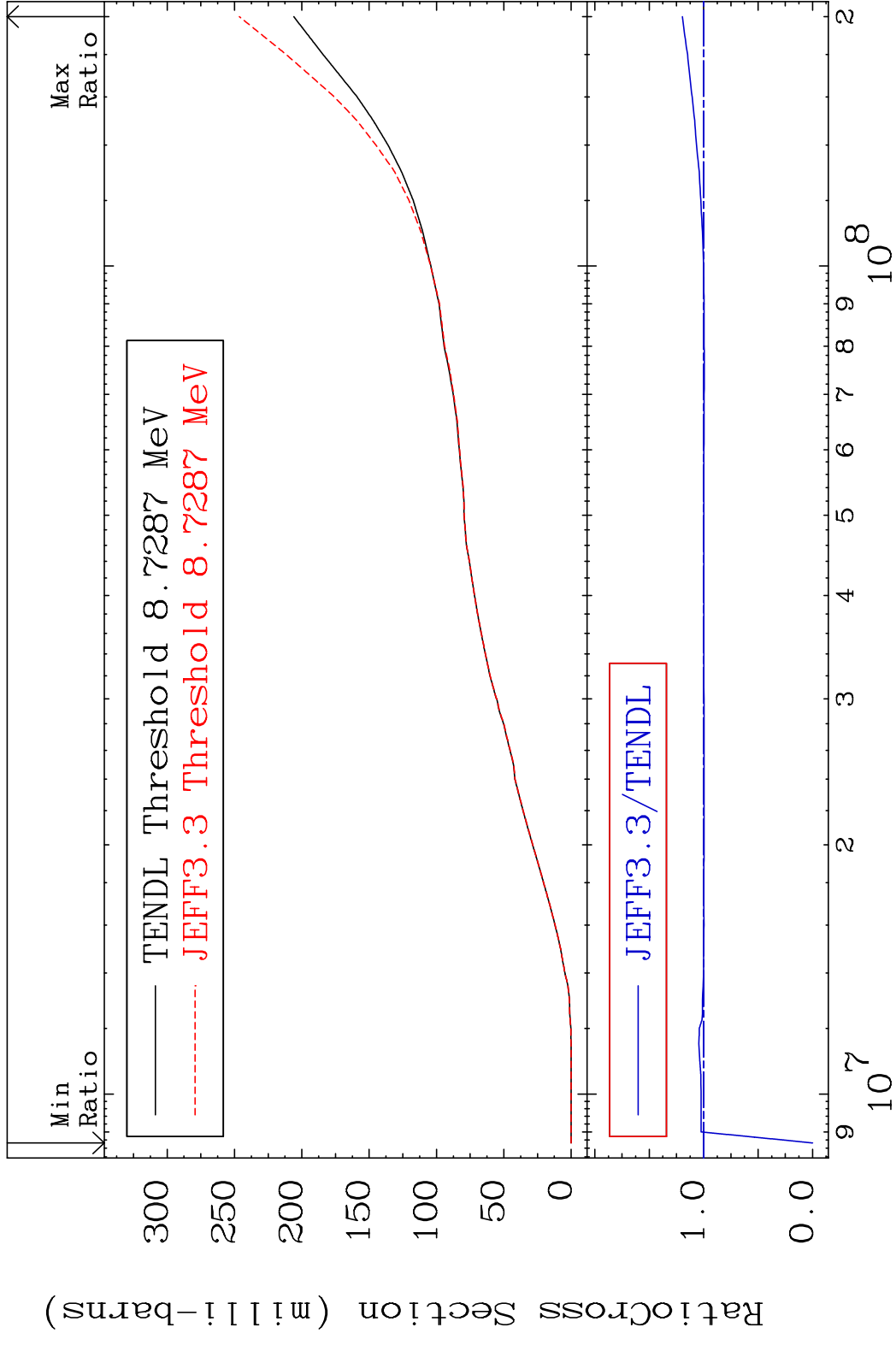


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Incident Energy (eV)

18-Ar-39

MAT 1834 Deuterium Production 18-Ar-39
 Cross Section -100.0 To 19.61 %

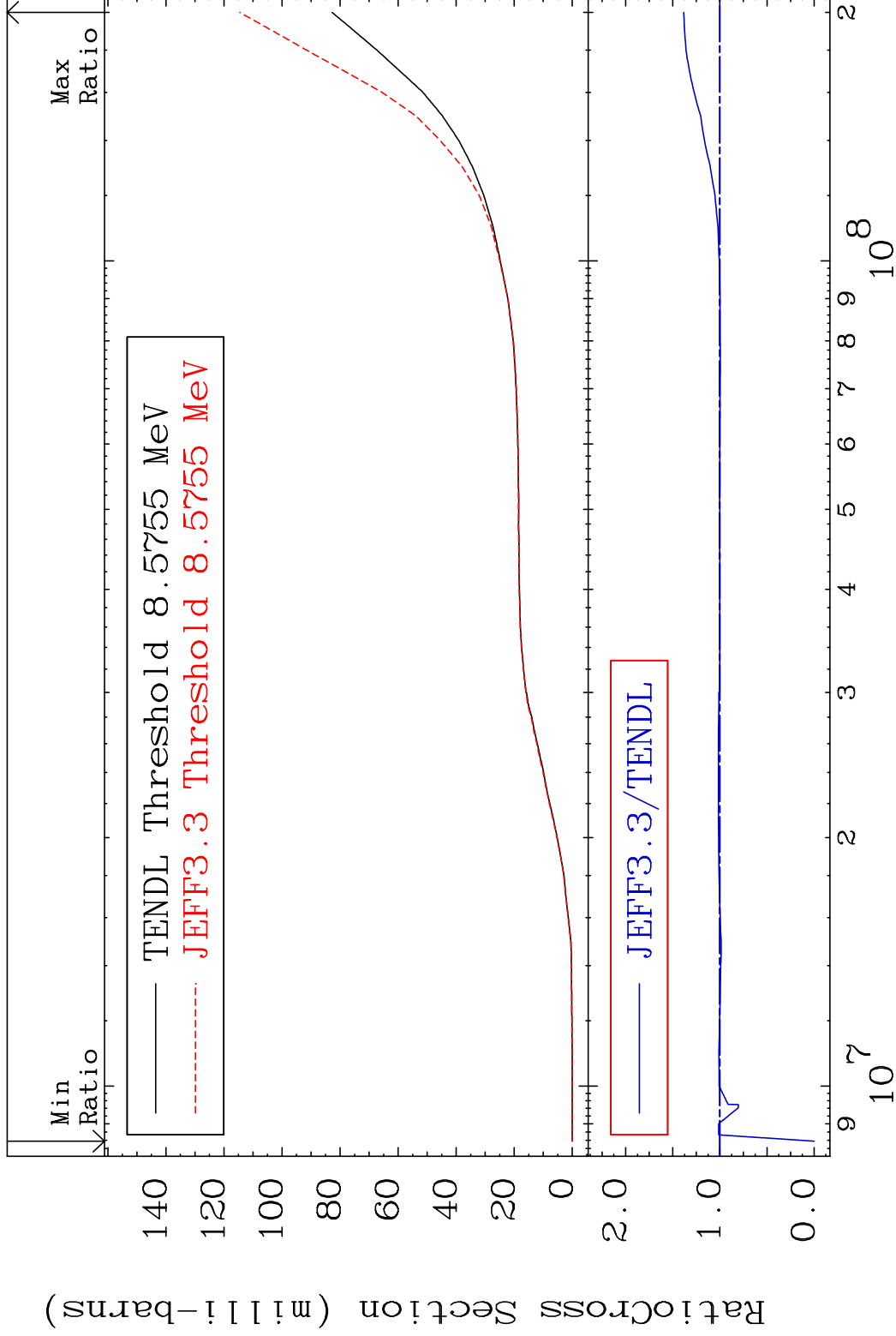


MAT 1834

Tritium Production

18-Ar-39

Cross Section -100.0 To 38.45 %



59

Incident Energy (eV)

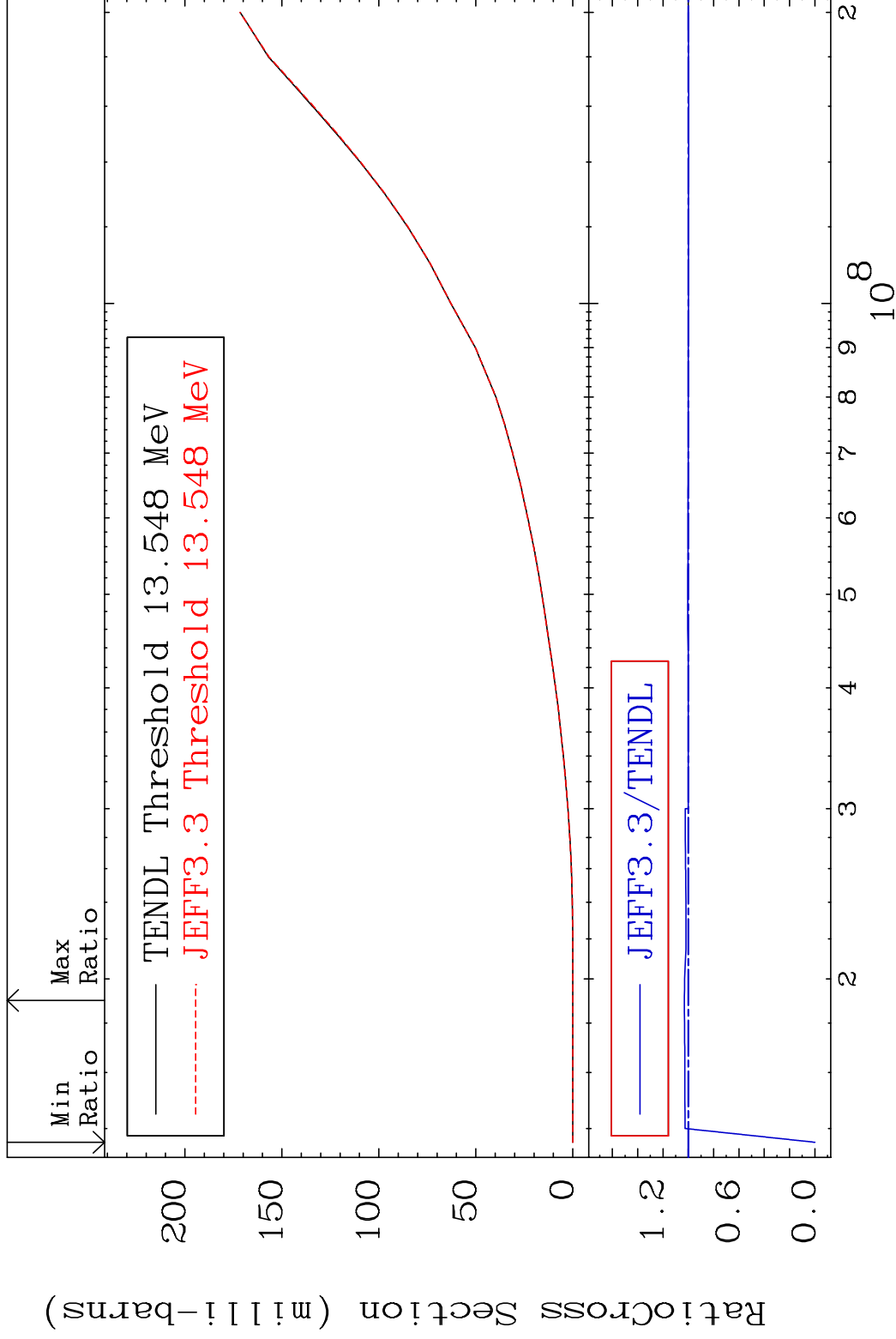
18-Ar-39

MAT 1834

He-3 Production

18-Ar-39

Cross Section -100.0 To 3.163 %



60

Incident Energy (eV)

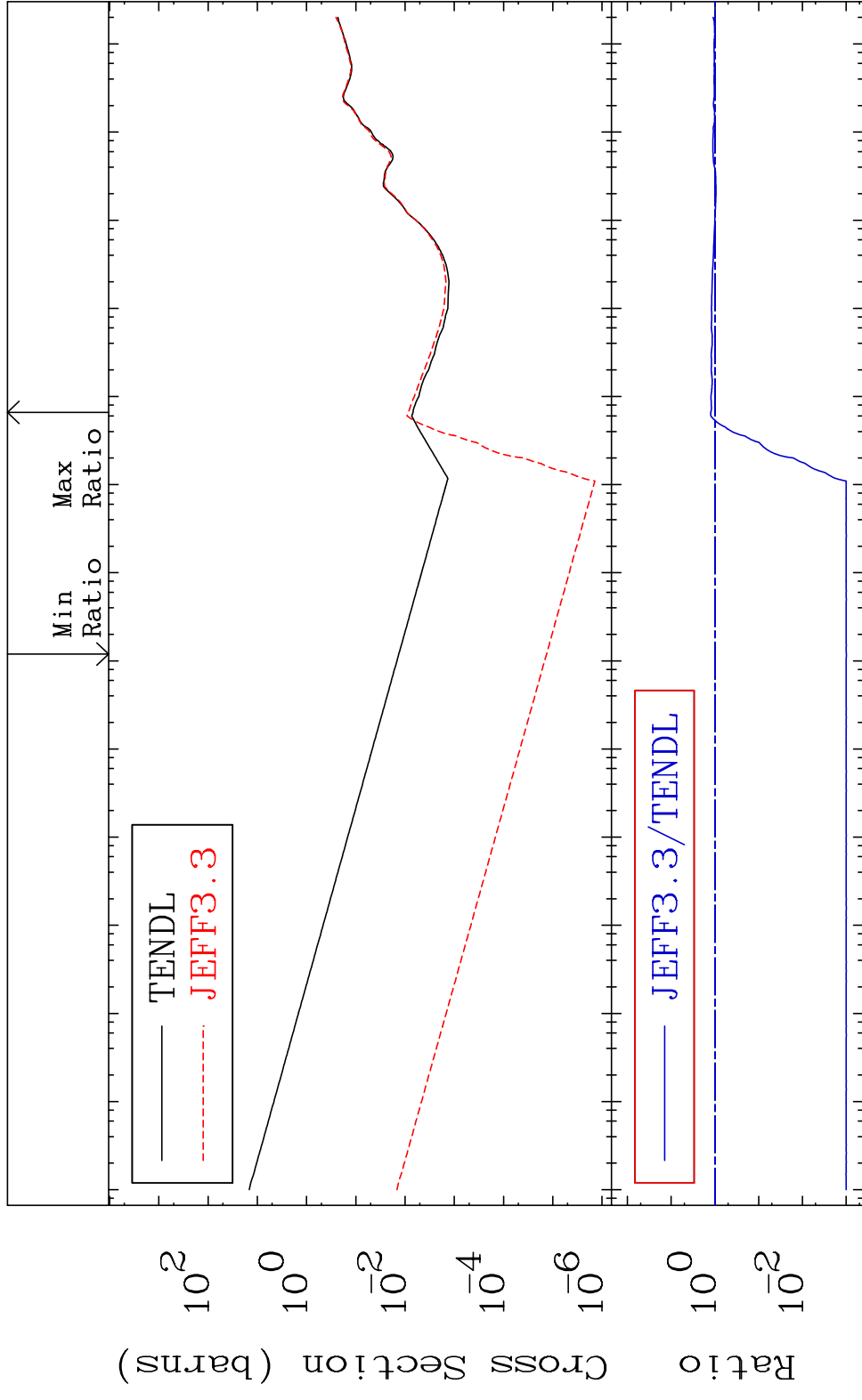
18-Ar-39

MAT 1834

He-4 Production

18-Ar-39

Cross Section -99.90 To 24.83 %

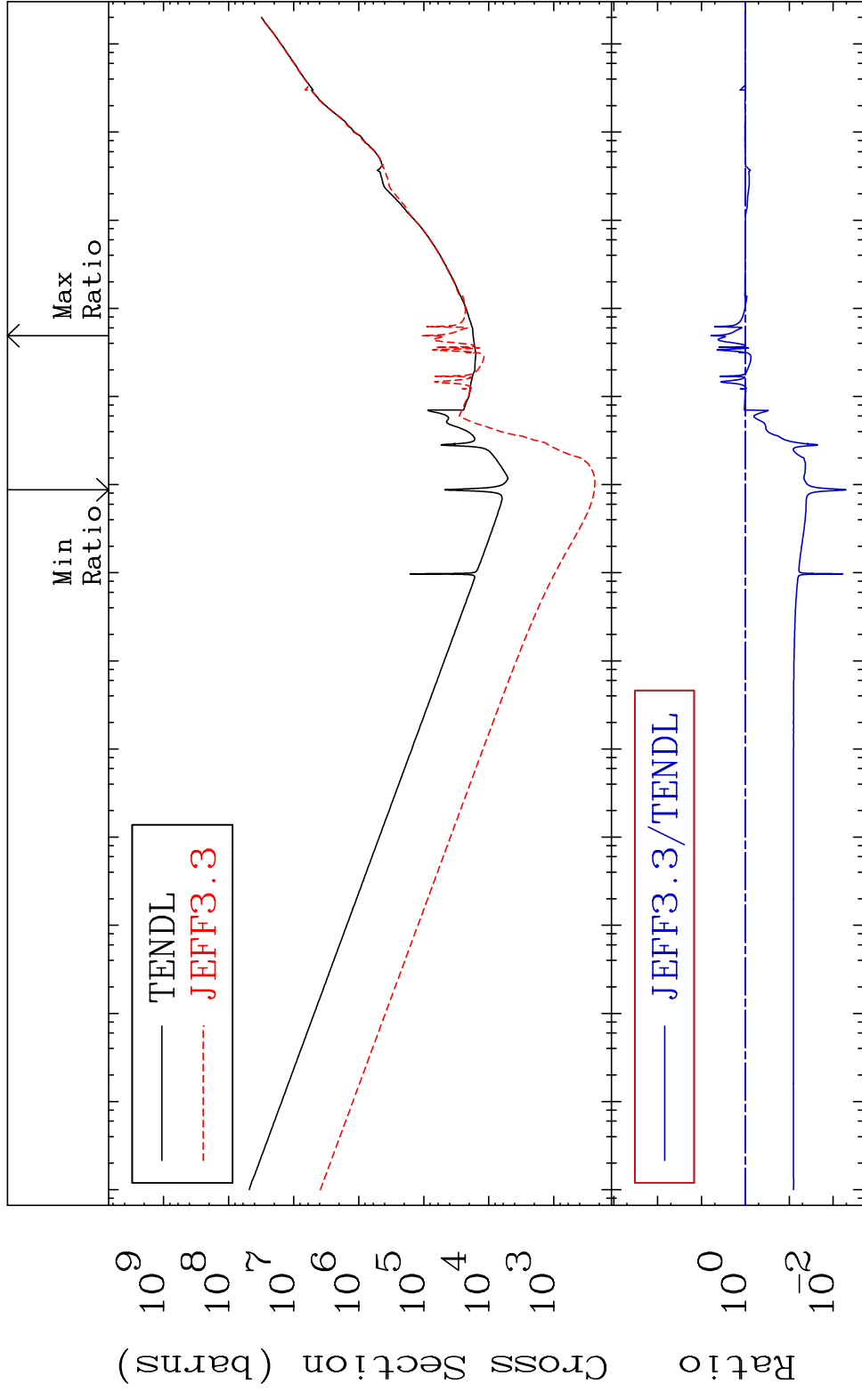


61

Incident Energy (eV)

18-Ar-39

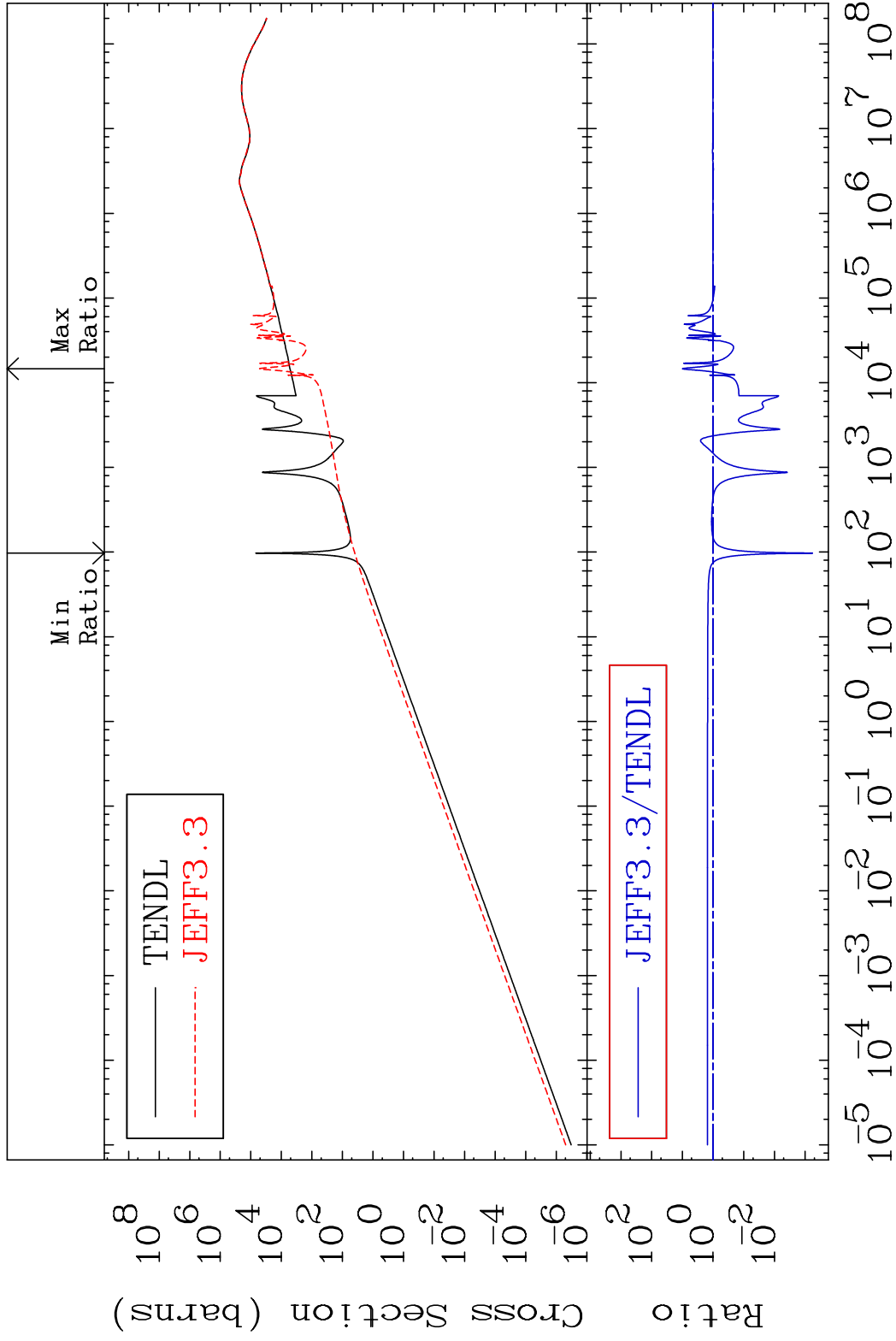
MAT 1834 Kerma total (eV-barns) 18-Ar-39
 Cross Section -99.50 To 517.0 %



MAT 1834

Kerma elastic
Cross Section

18-Ar-39
-99.94 To 901.8 %

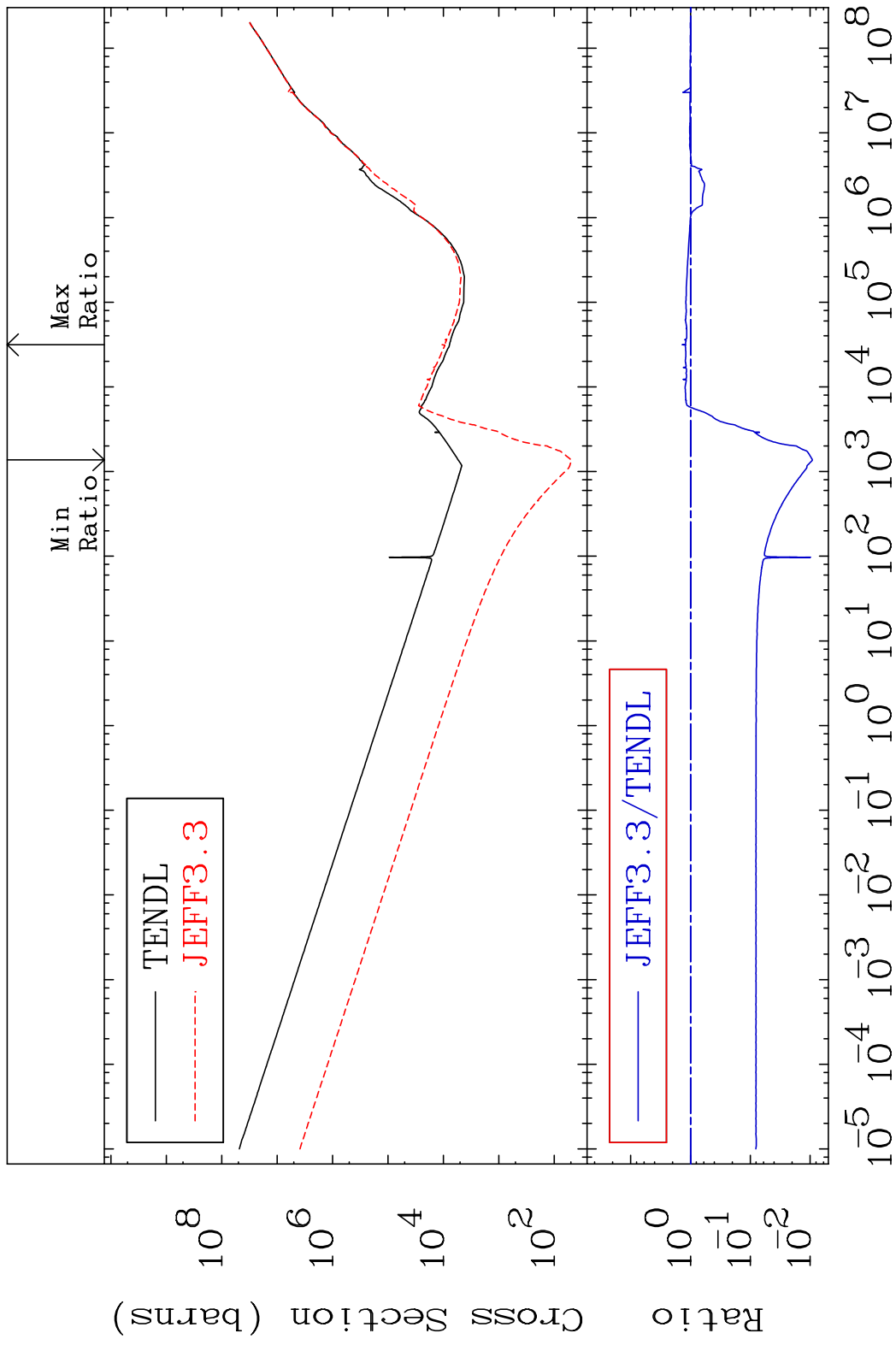


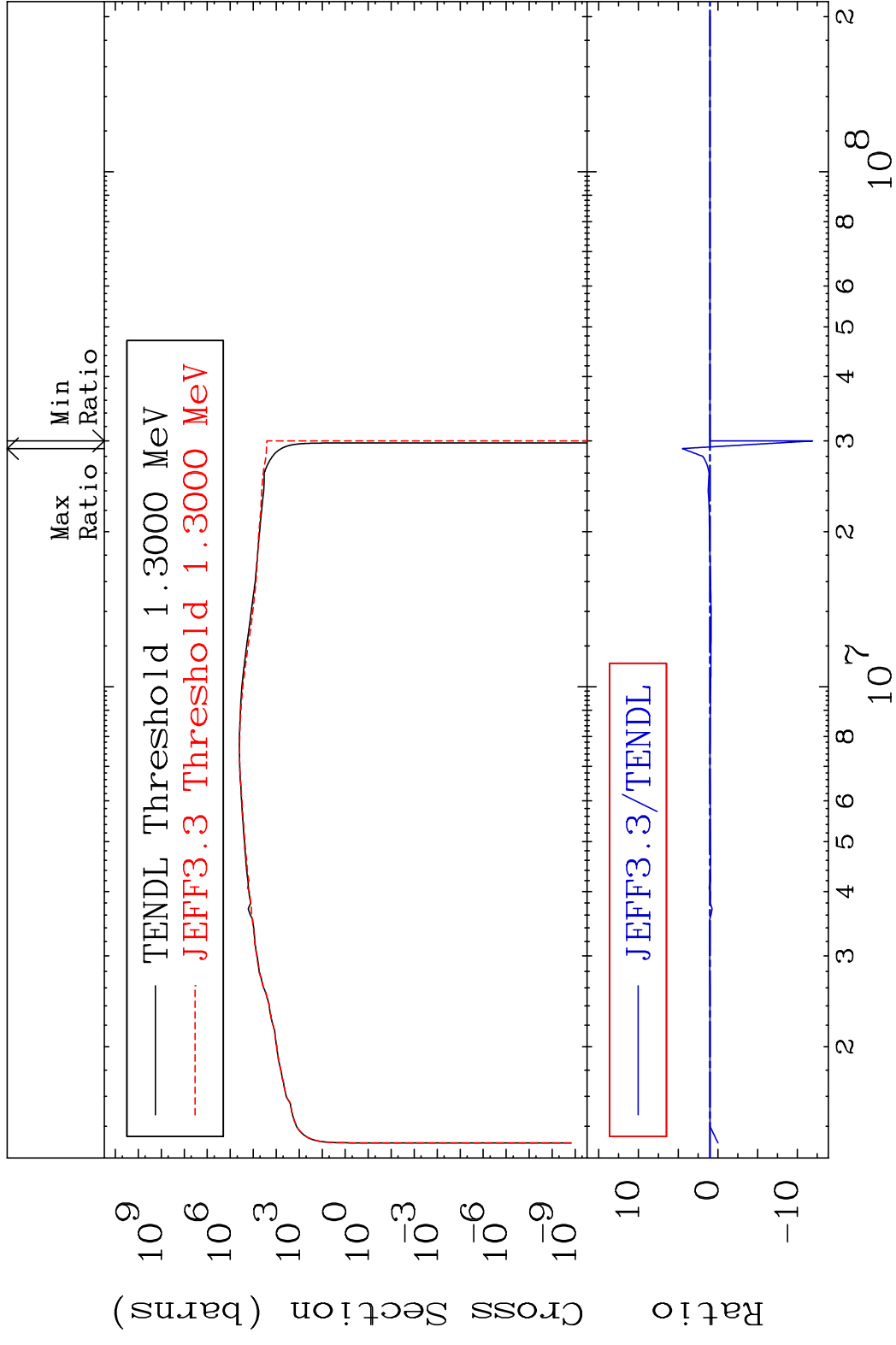
63

Incident Energy (eV)

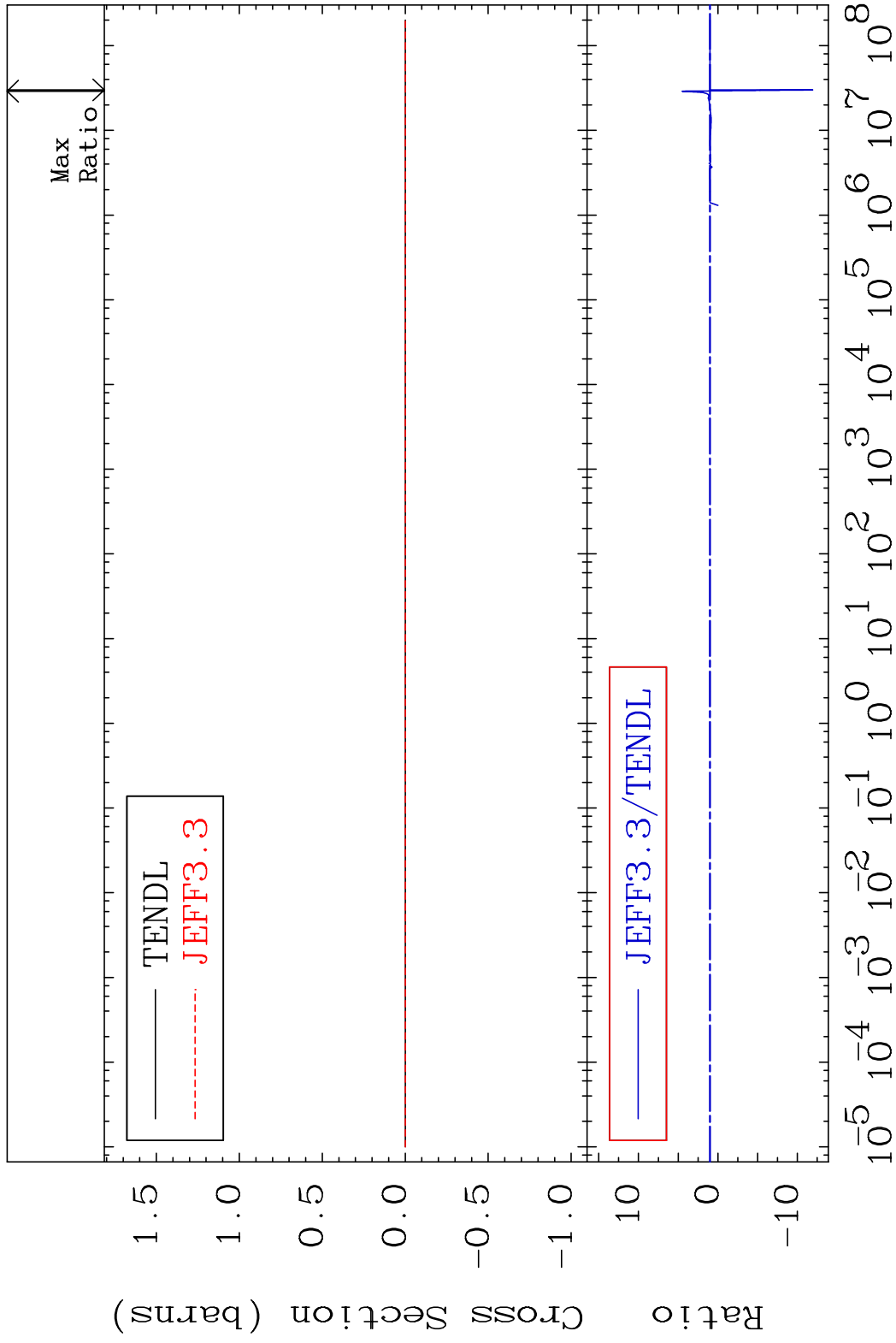
18-Ar-39

MAT 1834 Kerma non-elastic (all but mt2) 18-Ar-39
 Cross Section -99.09 To 37.00 %



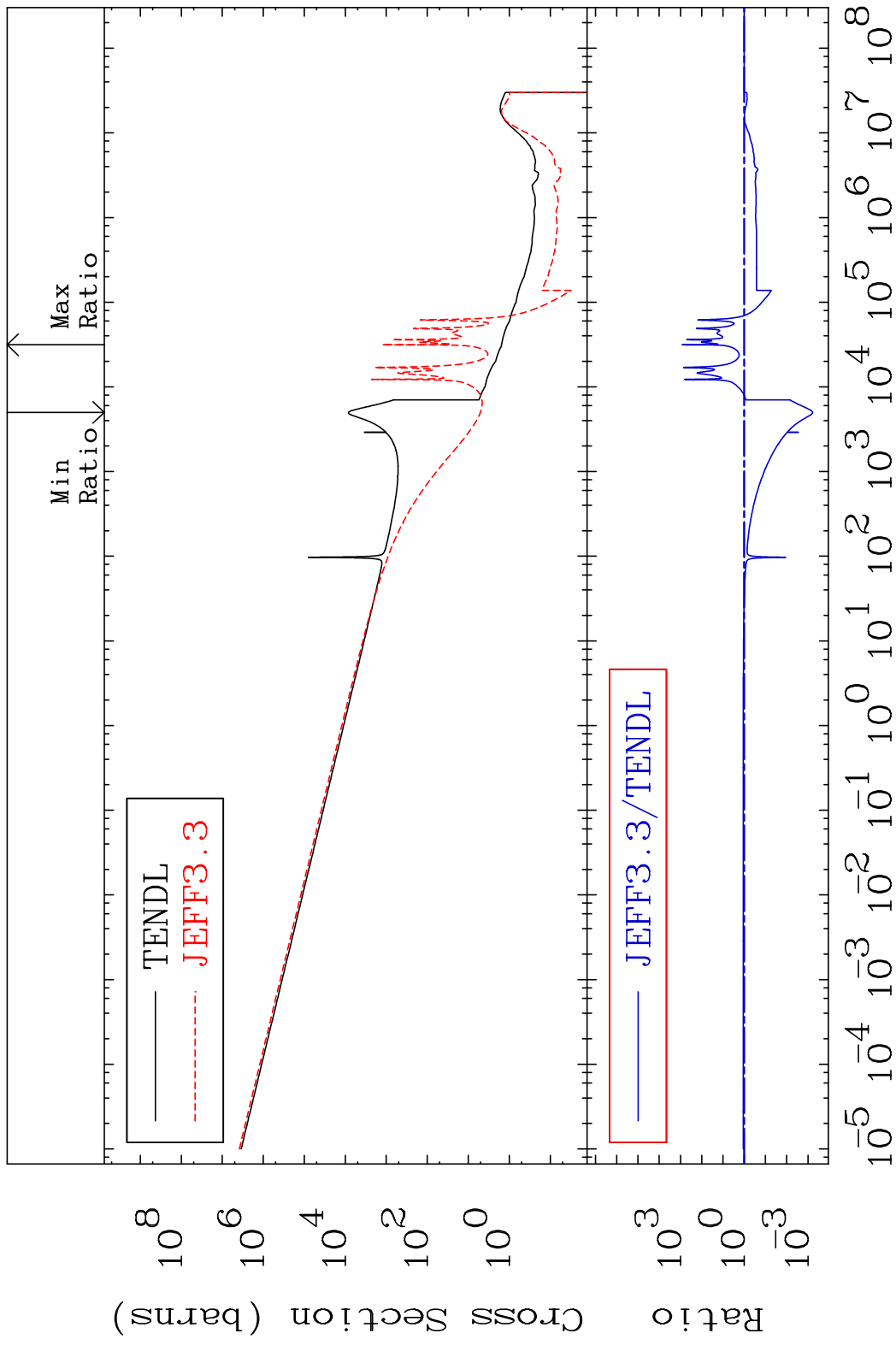


MAT 1834 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-39
 Cross Section -1292. To 347.7 %



MAT 1834

Kerma capture (mt102) 18-Ar-39
Cross Section -99.94 To 9999. %



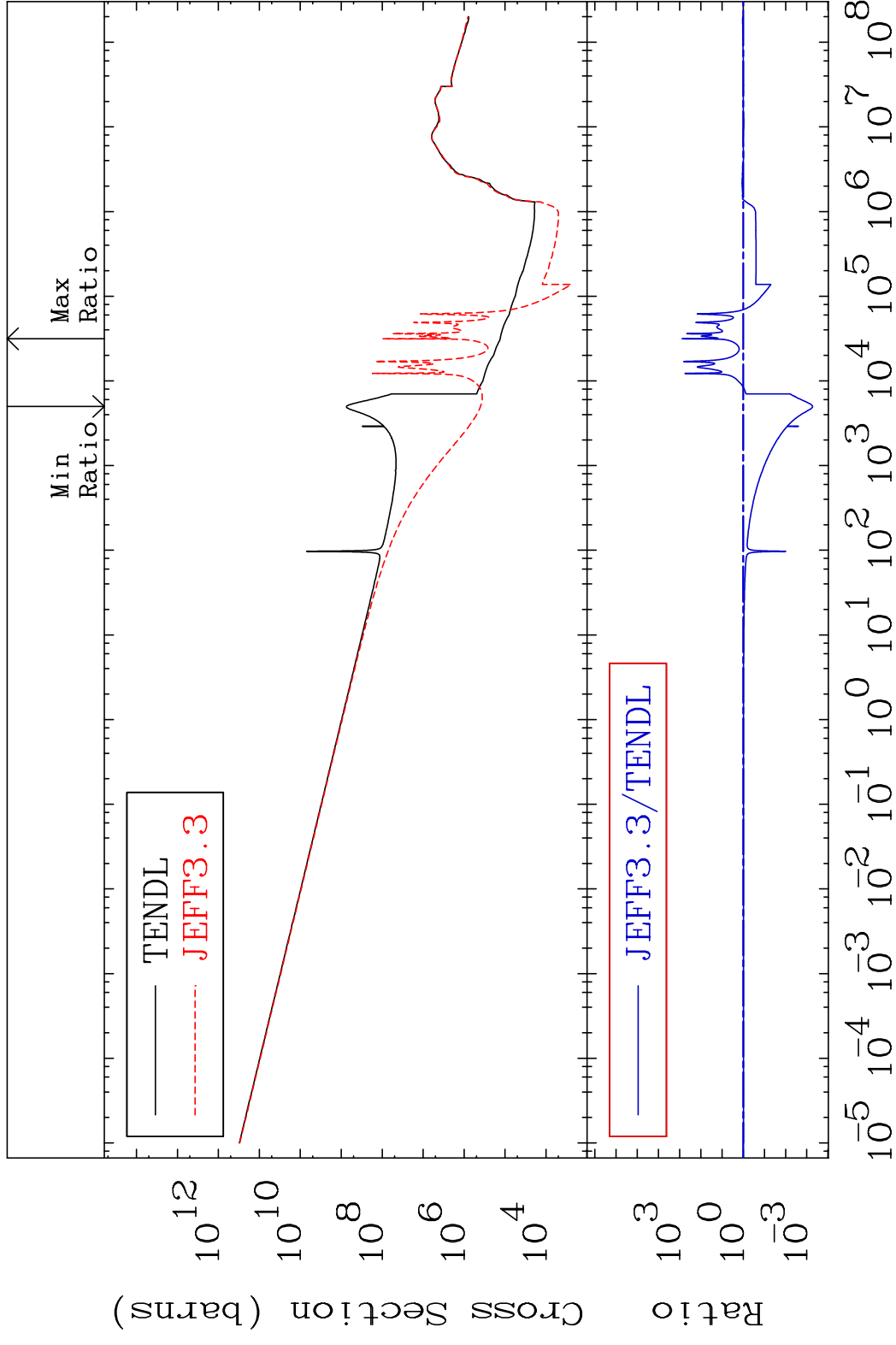
67

Incident Energy (eV)

18-Ar-39

MAT 1834

Total photon (eV-barns) 18-Ar-39
Cross Section -99.95 To 9999. %

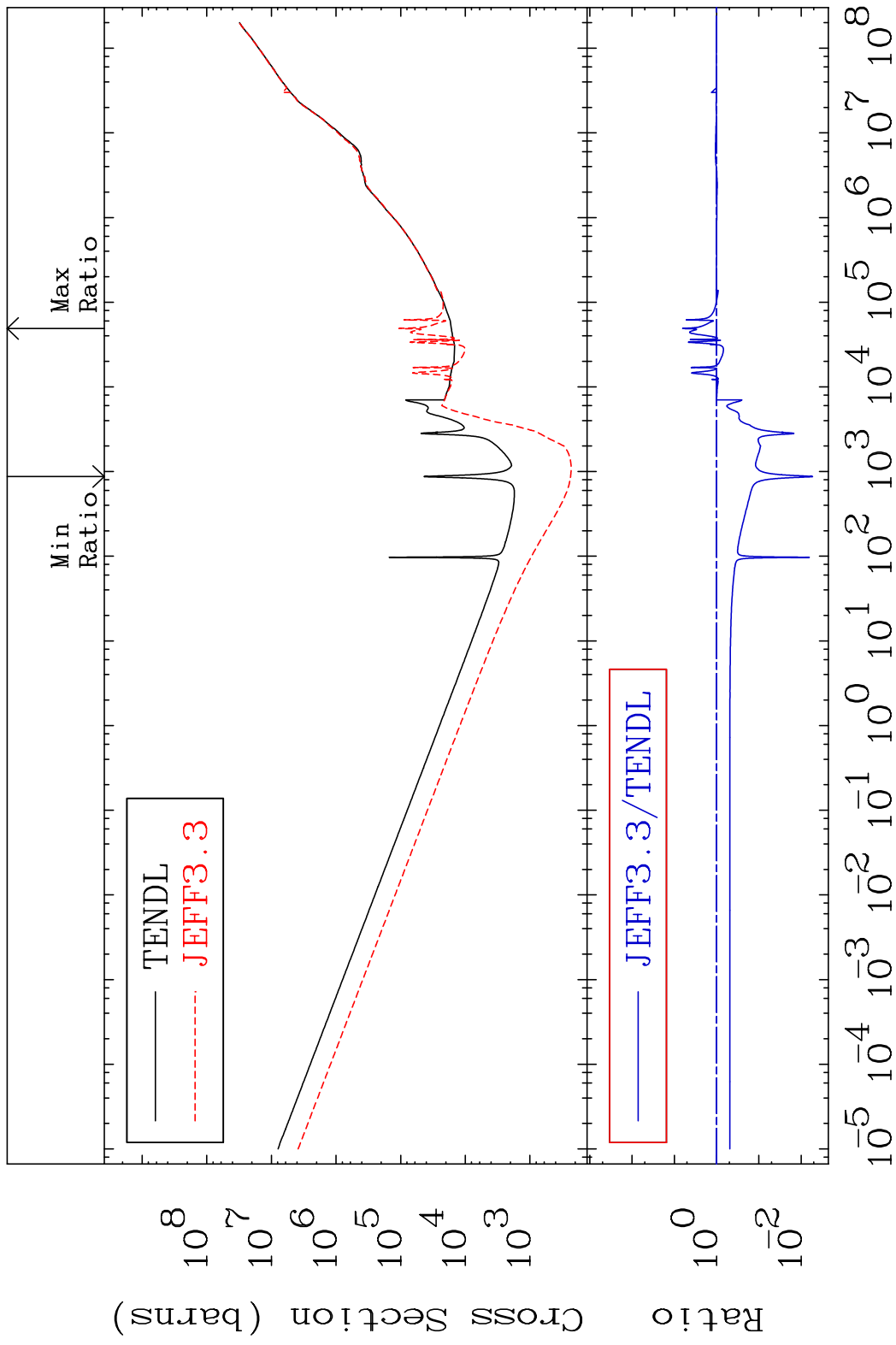


68

Incident Energy (eV)

18-Ar-39

MAT 1834 Total kinematic kerma (high limit) 18-Ar-39
 Cross Section -99.46 To 545.1 %

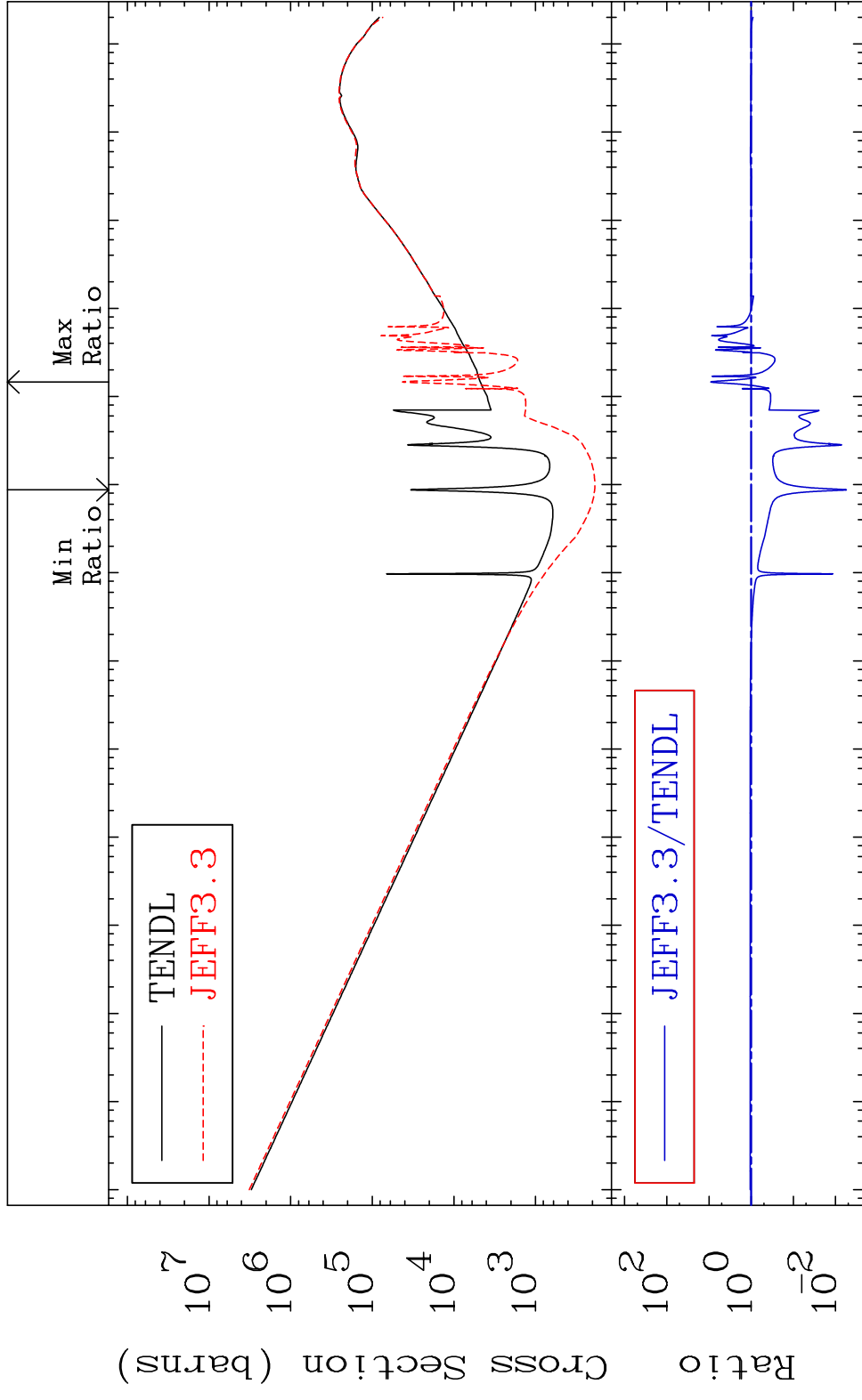


MAT 1834

Dpa total (eV-barns)

18-Ar-39

Cross Section -99.44 To 810.1 %



70

Incident Energy (eV)

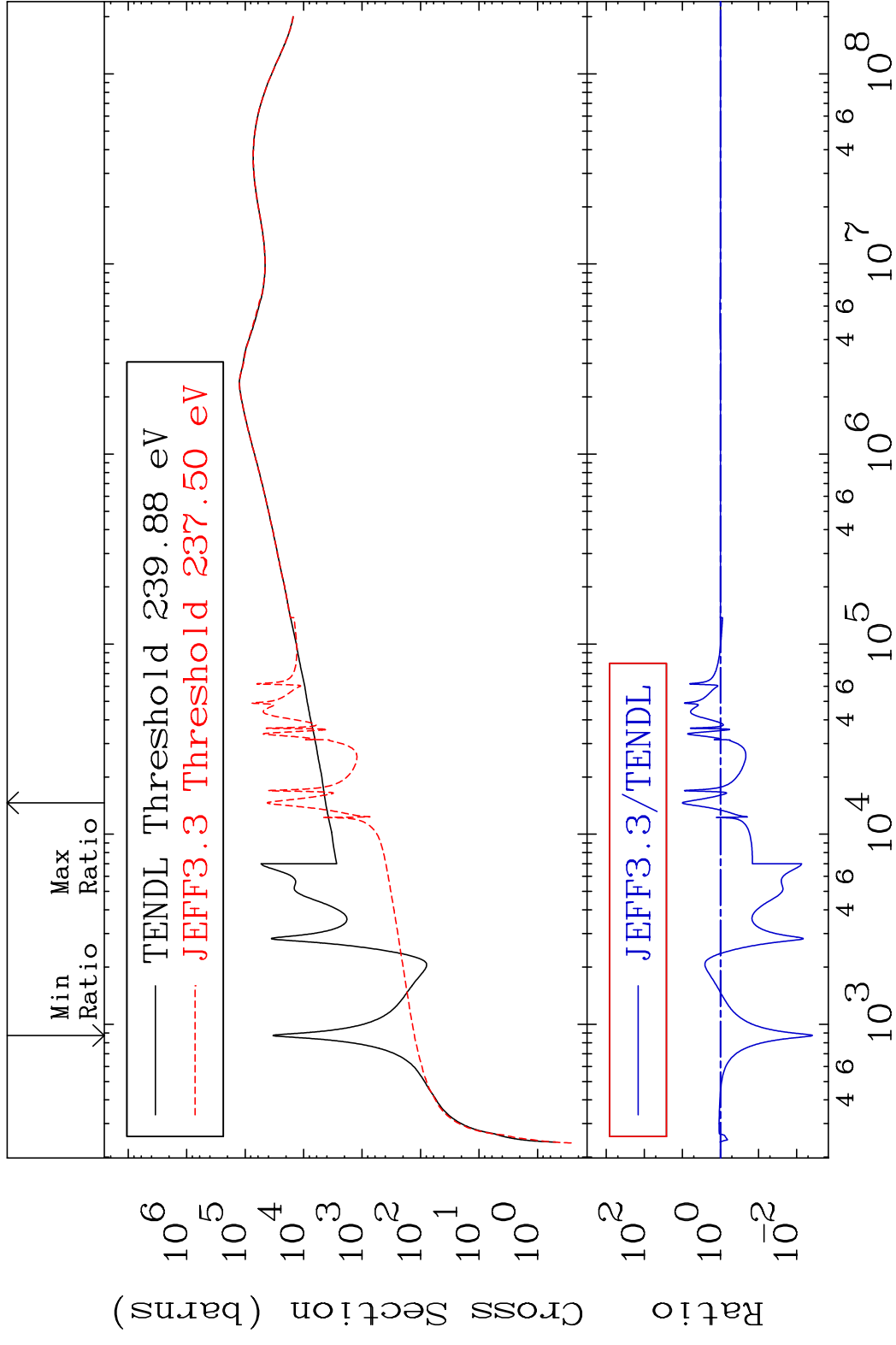
18-Ar-39

MAT 1834

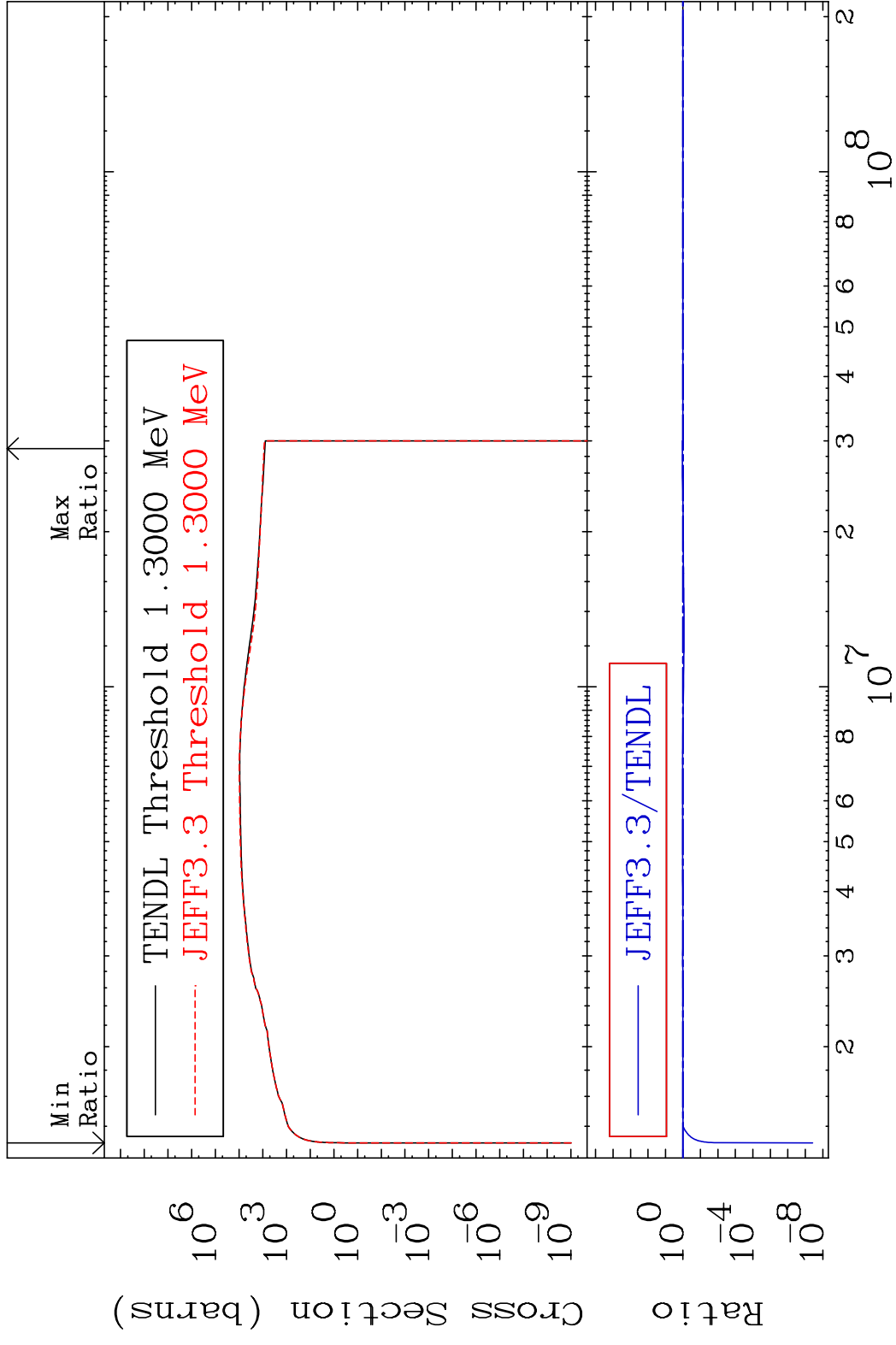
Dpa elastic (mt2)

18-Ar-39

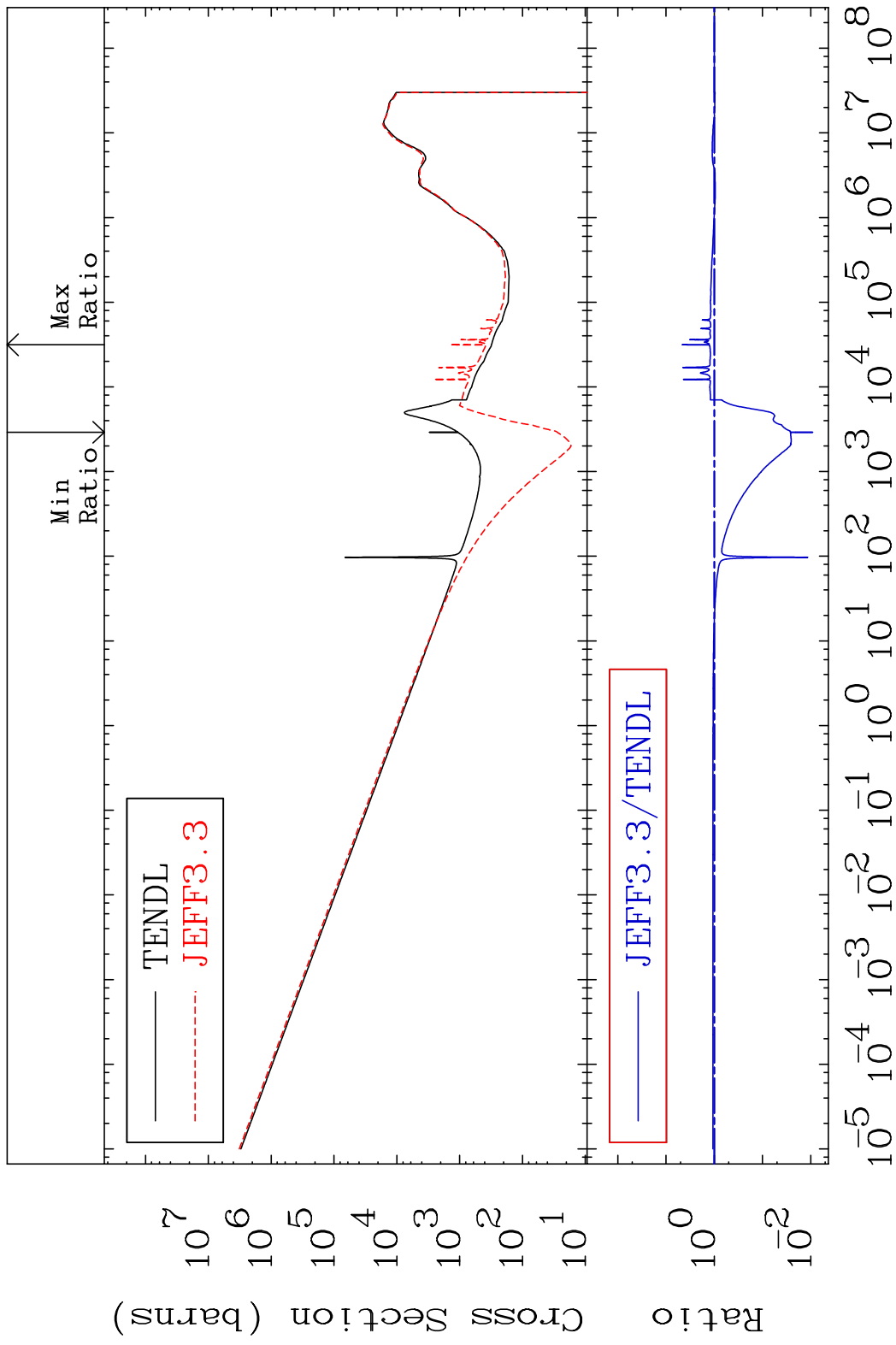
Cross Section -99.62 To 901.9 %



MAT 1834 Dpa inelastic (mt51-91) 18-Ar-39
 Cross Section -100.0 To 8.218 %



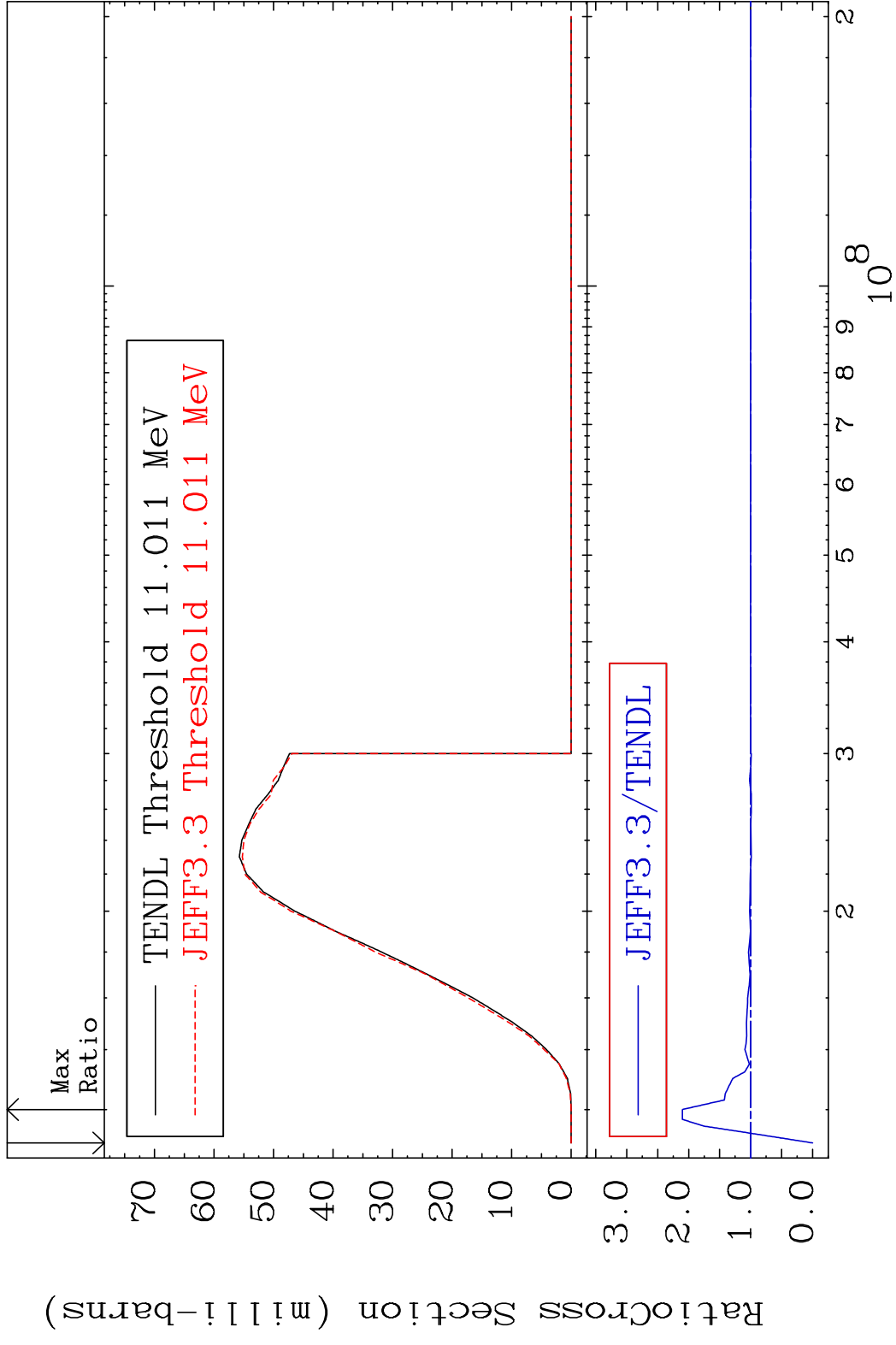
MAT 1834 Dpa disappearance (mt102 -120) 18-Ar-39
 Cross Section -99.09 To 357.7 %

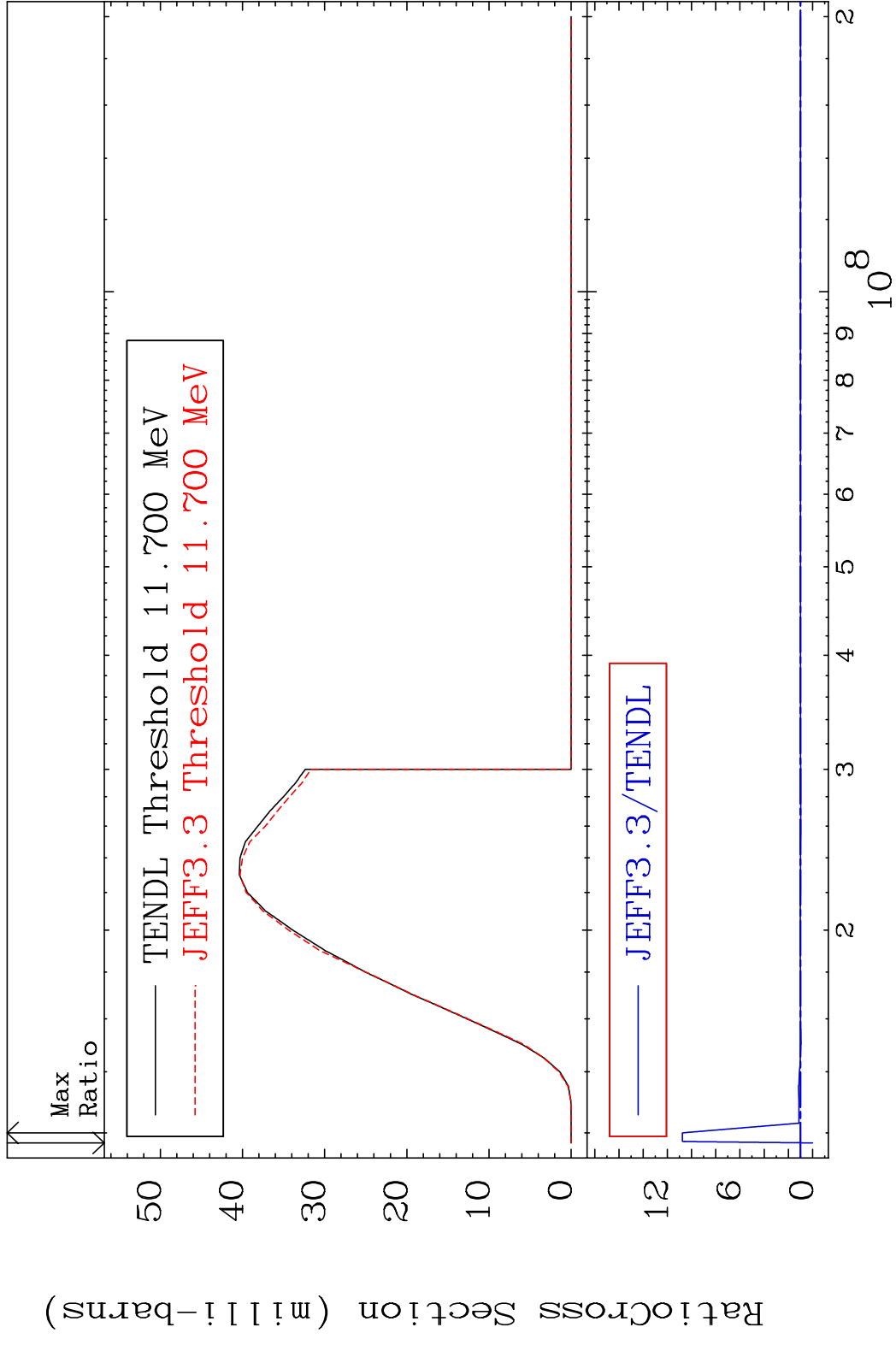


73

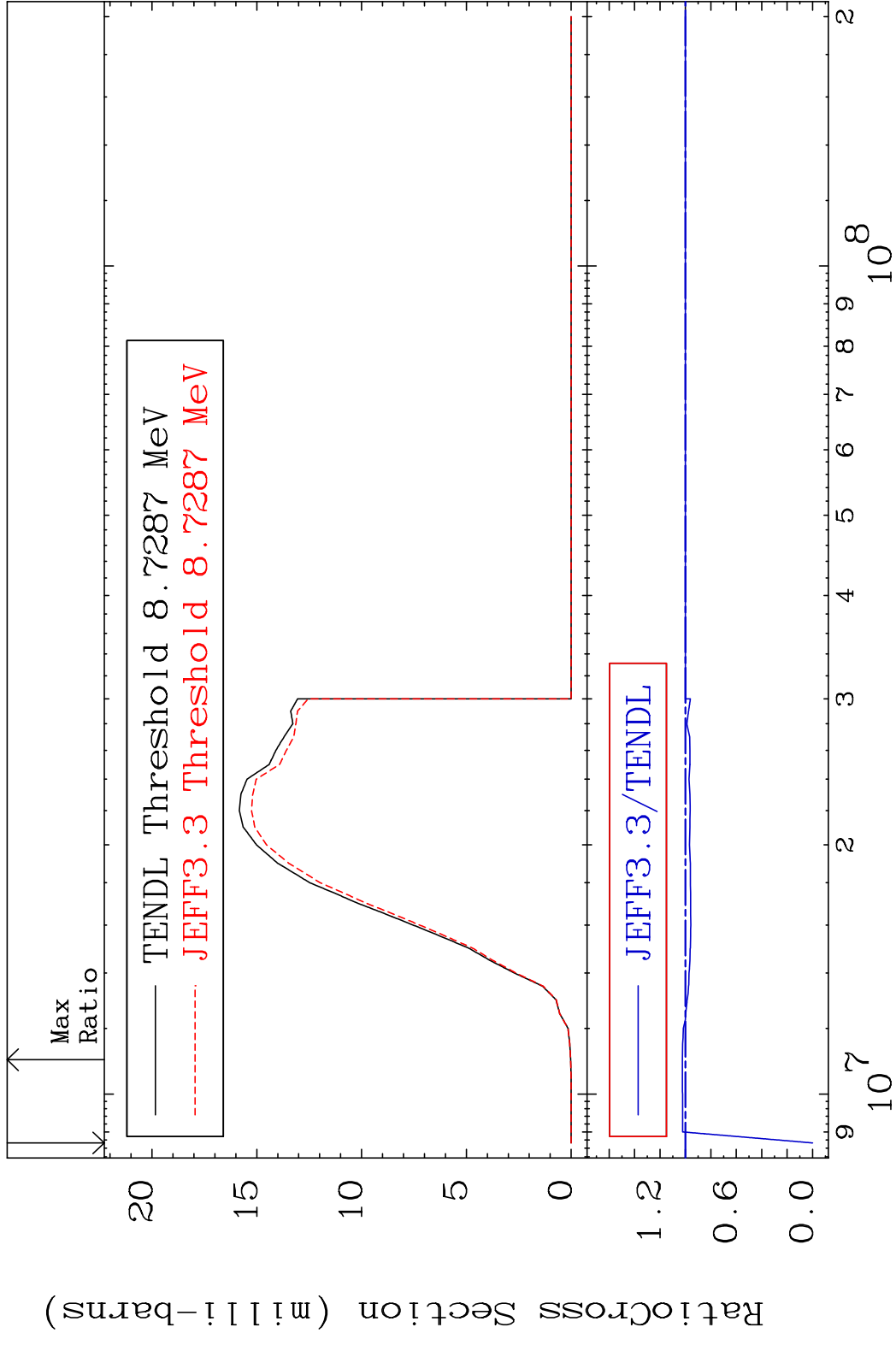
Incident Energy (eV)

18-Ar-39





MAT 1834 (n,d):17-Cl-38g 18-Ar-39
 Radionuclide Production Cross Section Ratio 2.437 %



76 Incident Energy (eV) 18-Ar-39

