

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

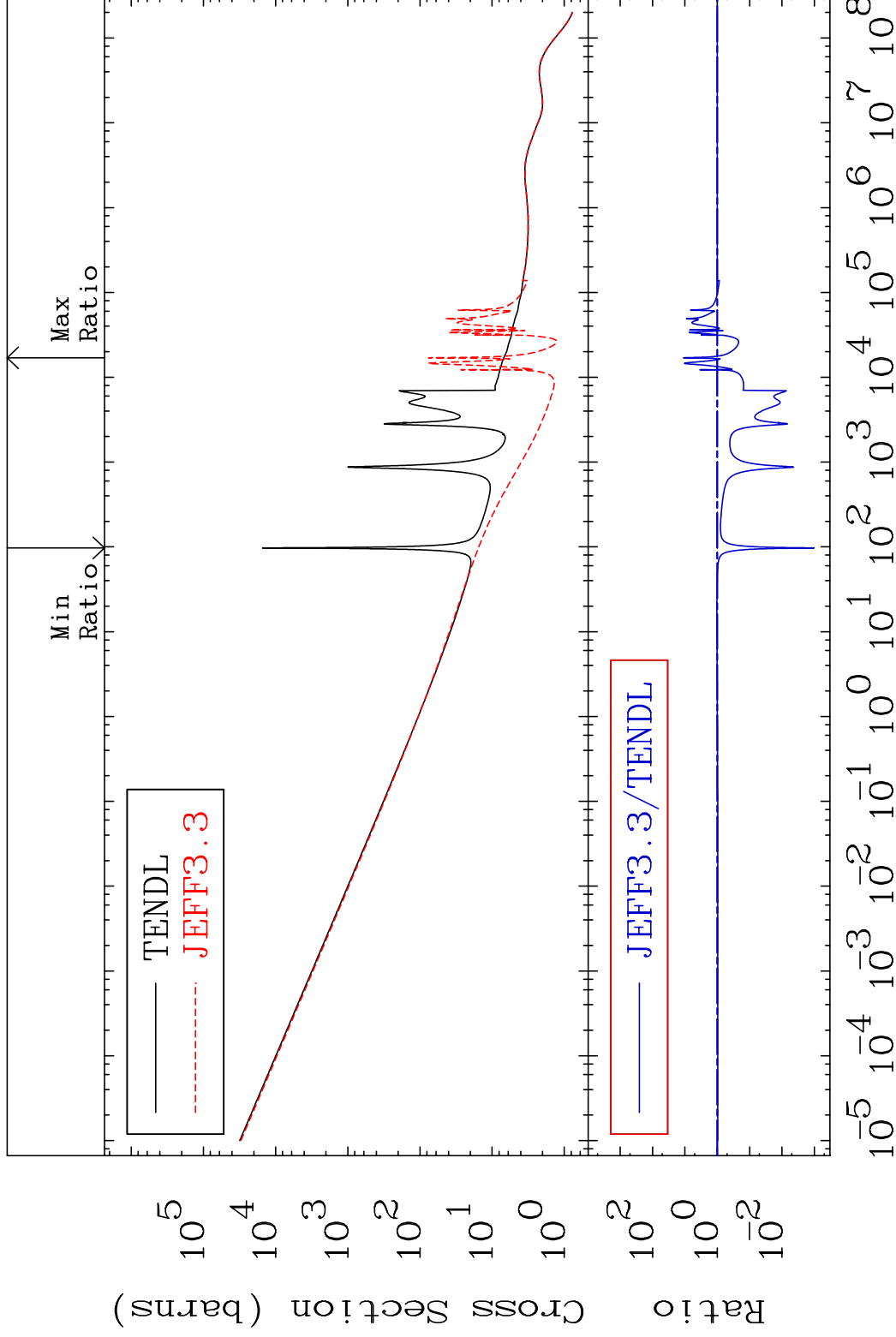
MAT 1834

Total

18-Ar-39

Cross Section

-99.90 To 994.3 %



1

Incident Energy (eV)

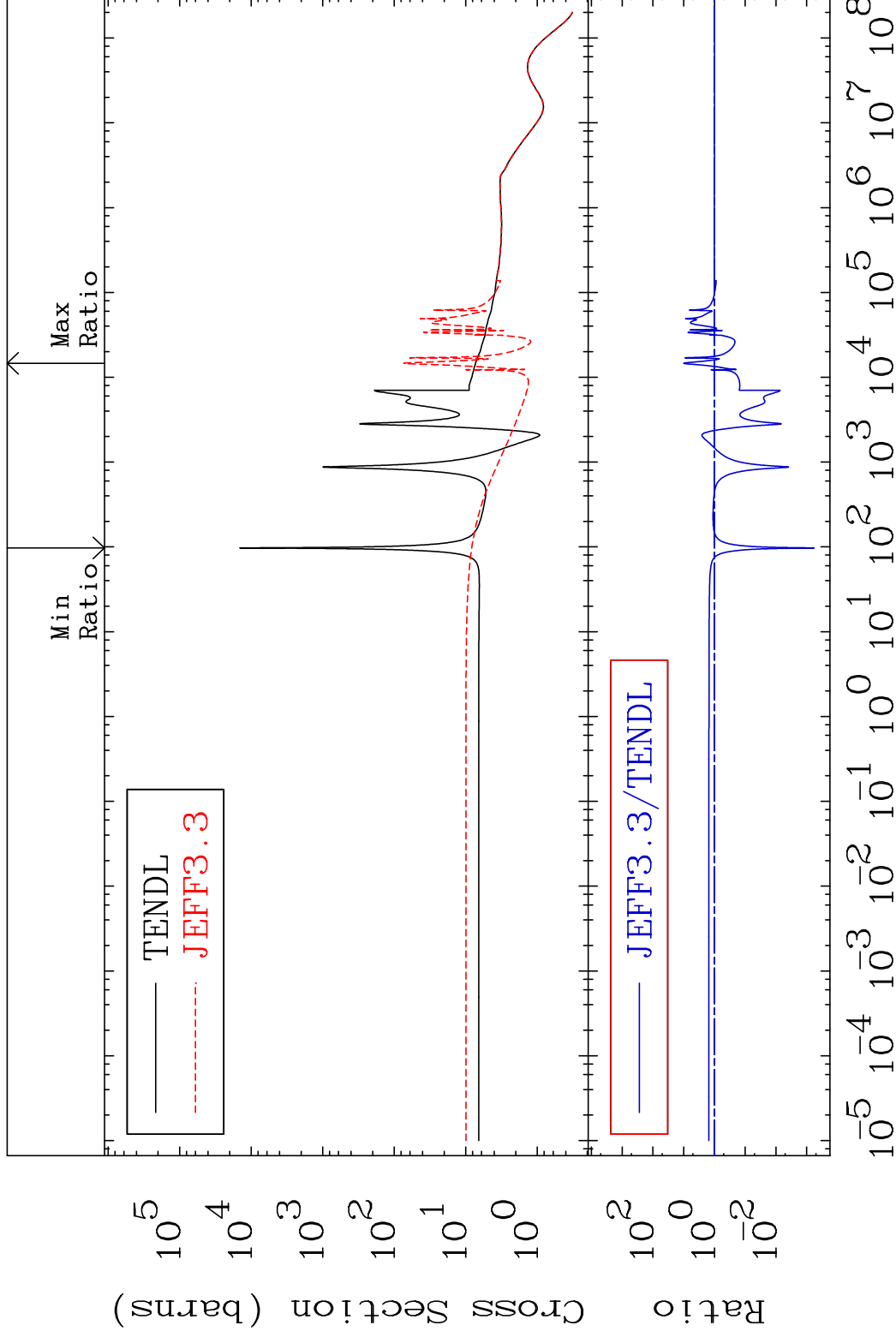
18-Ar-39

MAT 1834

Elastic

18-Ar-39

Cross Section -99.94 To 902.2 %



2

Incident Energy (eV)

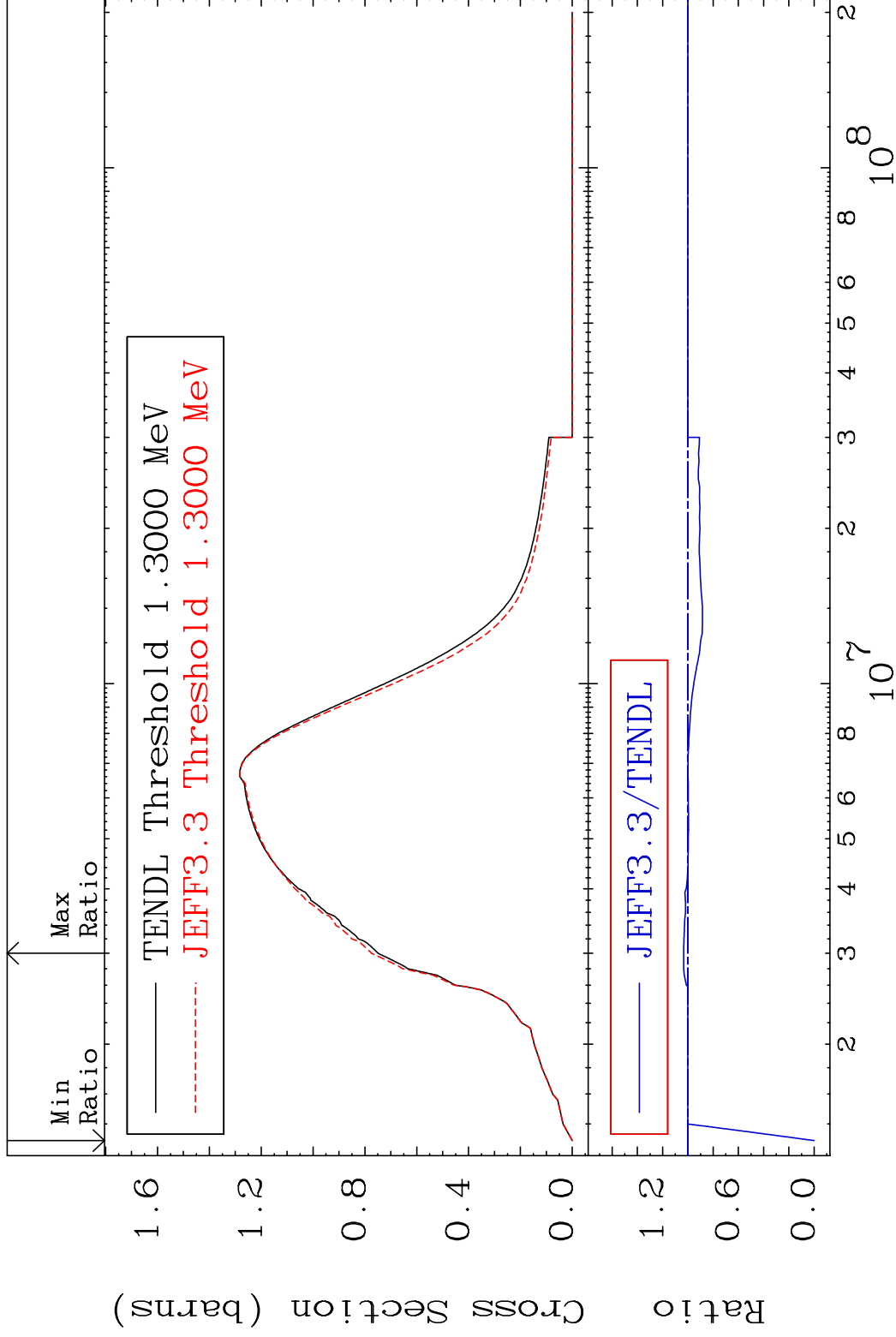
18-Ar-39

MAT 1834

Inelastic

18-Ar-39

Cross Section -100.0 To 3.336 %

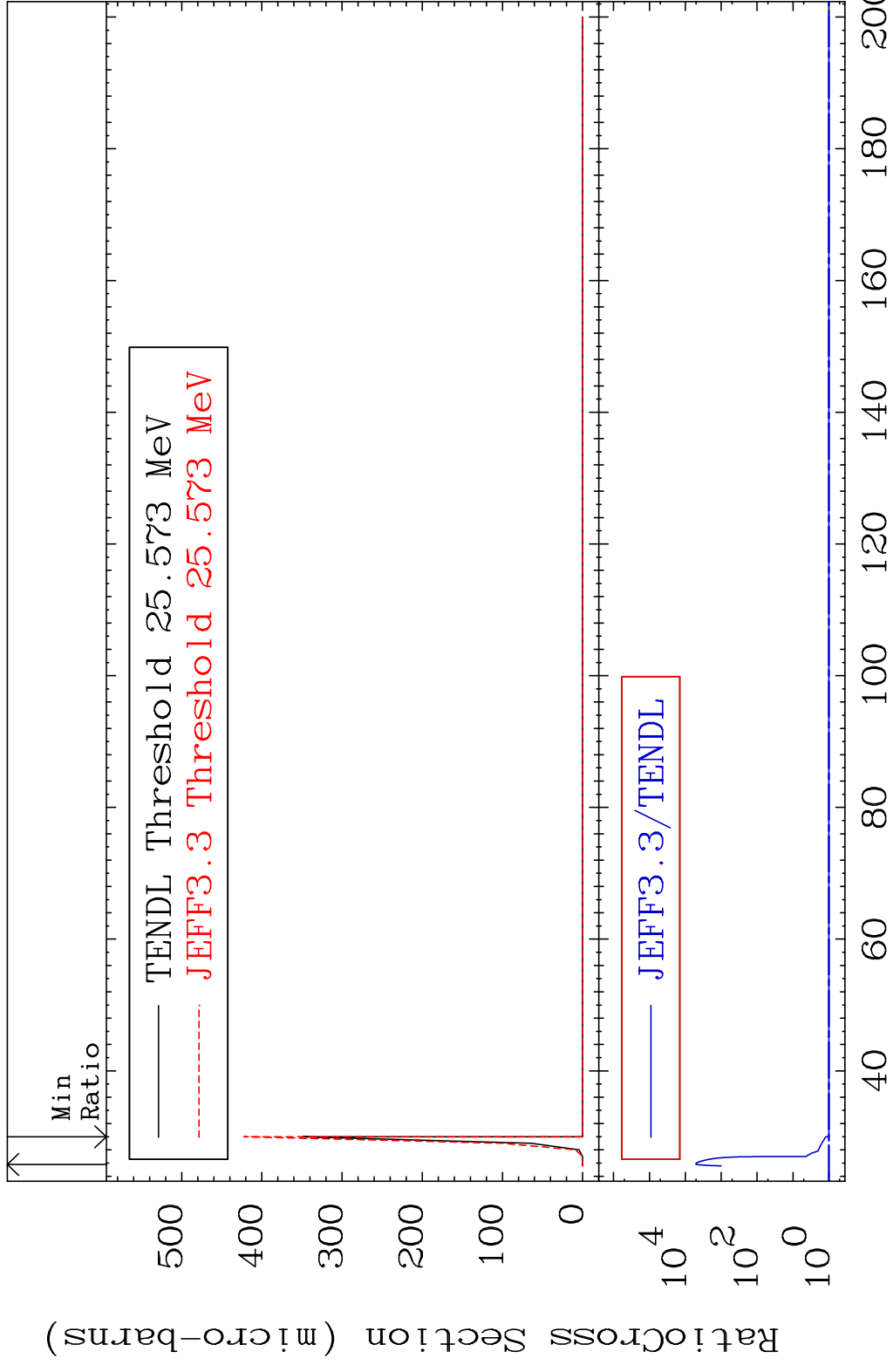


3

Incident Energy (eV)

18-Ar-39

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

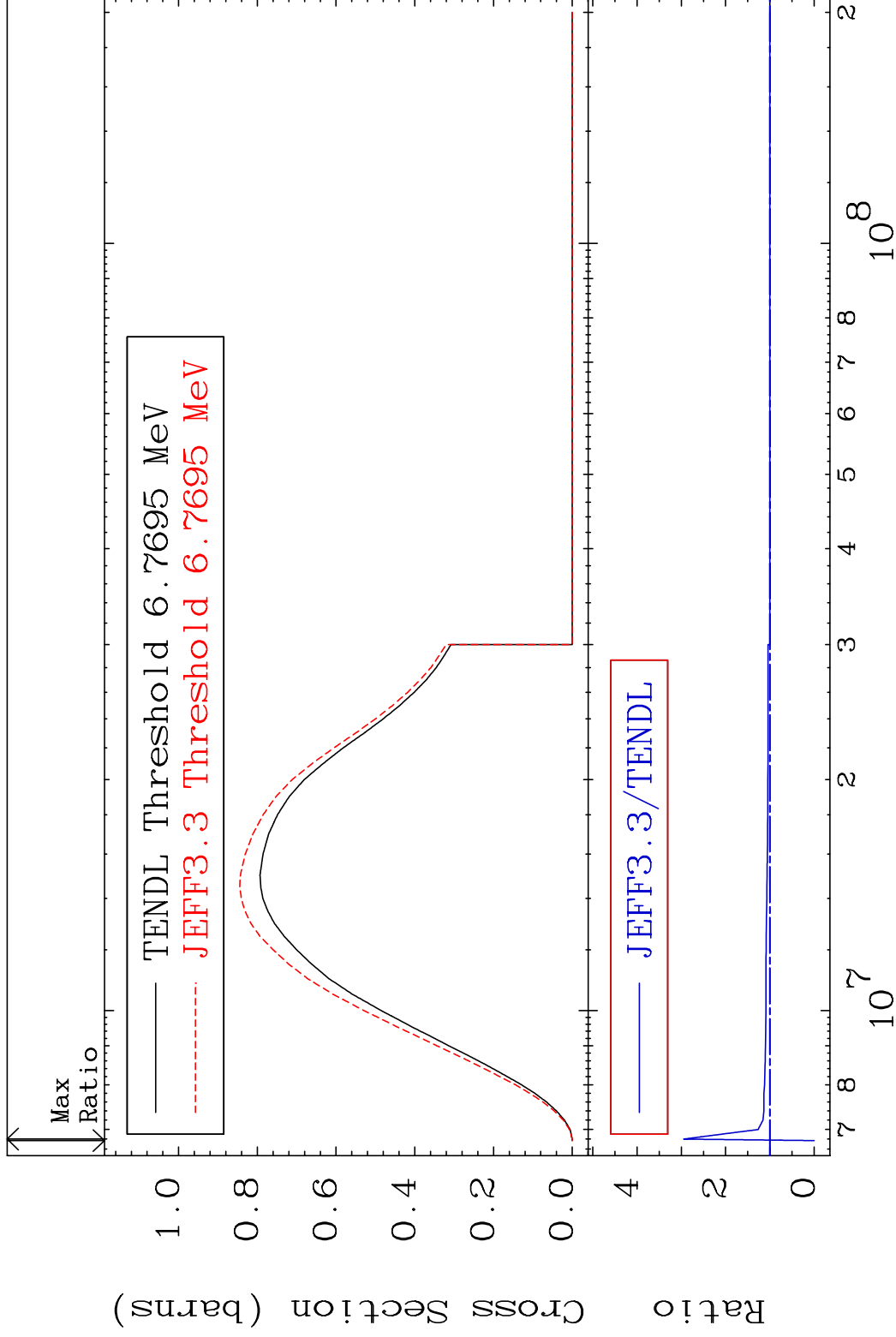


MAT 1834

(n,2n)

18-Ar-39

Cross Section -100.0 To 194.8 %

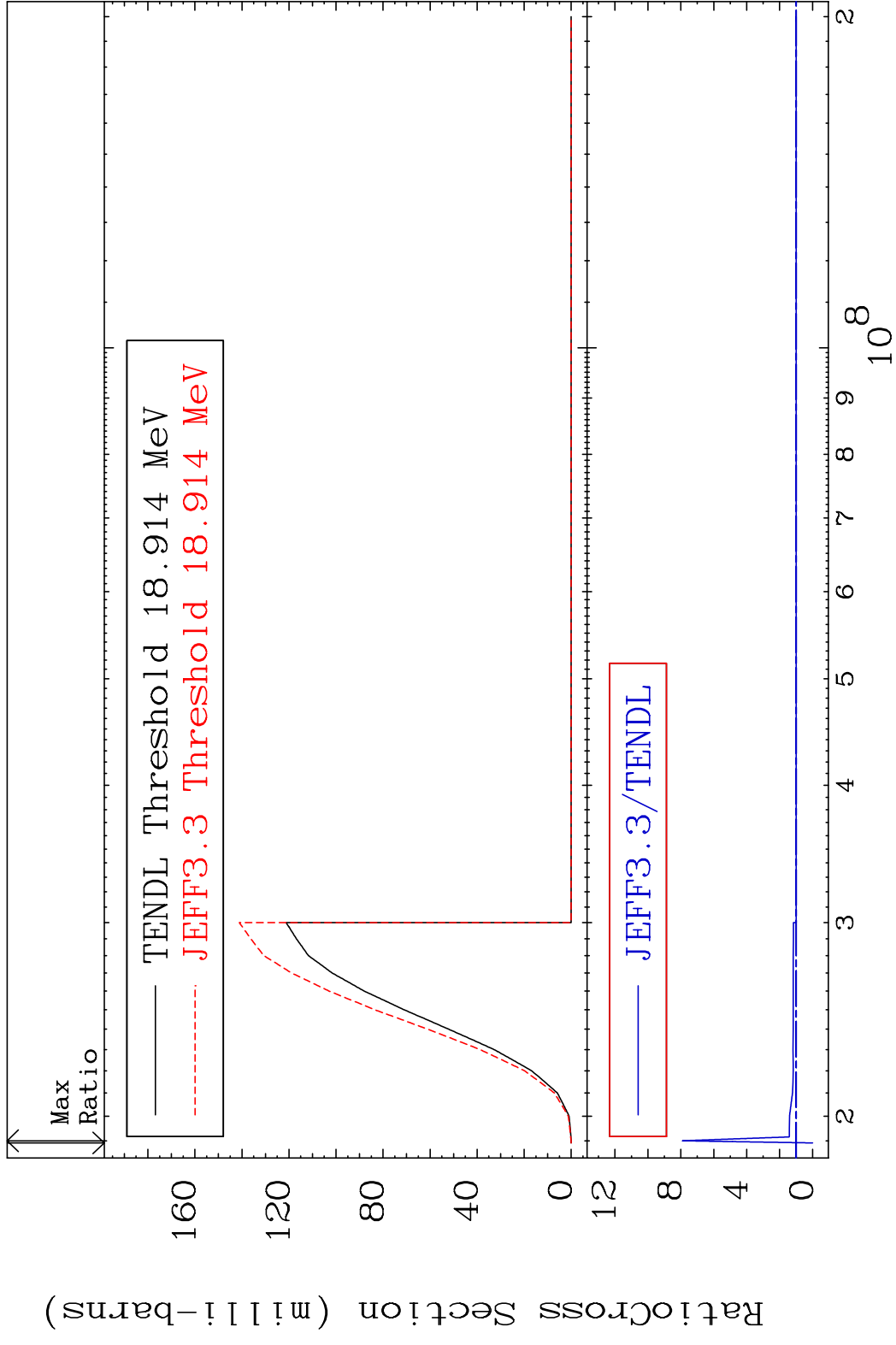


5

Incident Energy (eV)

18-Ar-39

MAT 1834 (n,3n) 18-Ar-39
 Cross Section -100.0 To 690.7 %

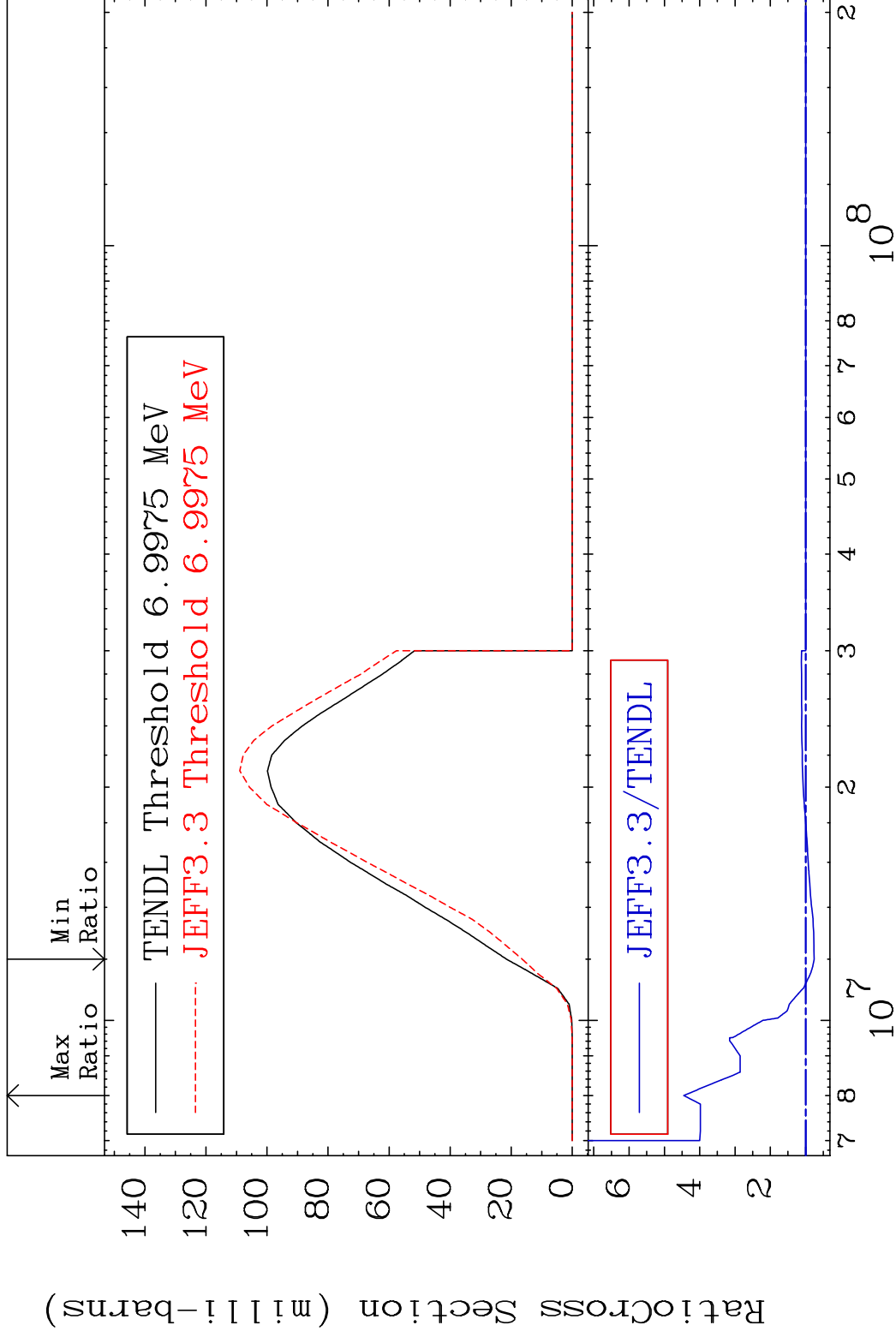


MAT 1834

(n, n') α

18-Ar-39

Cross Section -23.95 To 345.5 %



7

Incident Energy (eV)

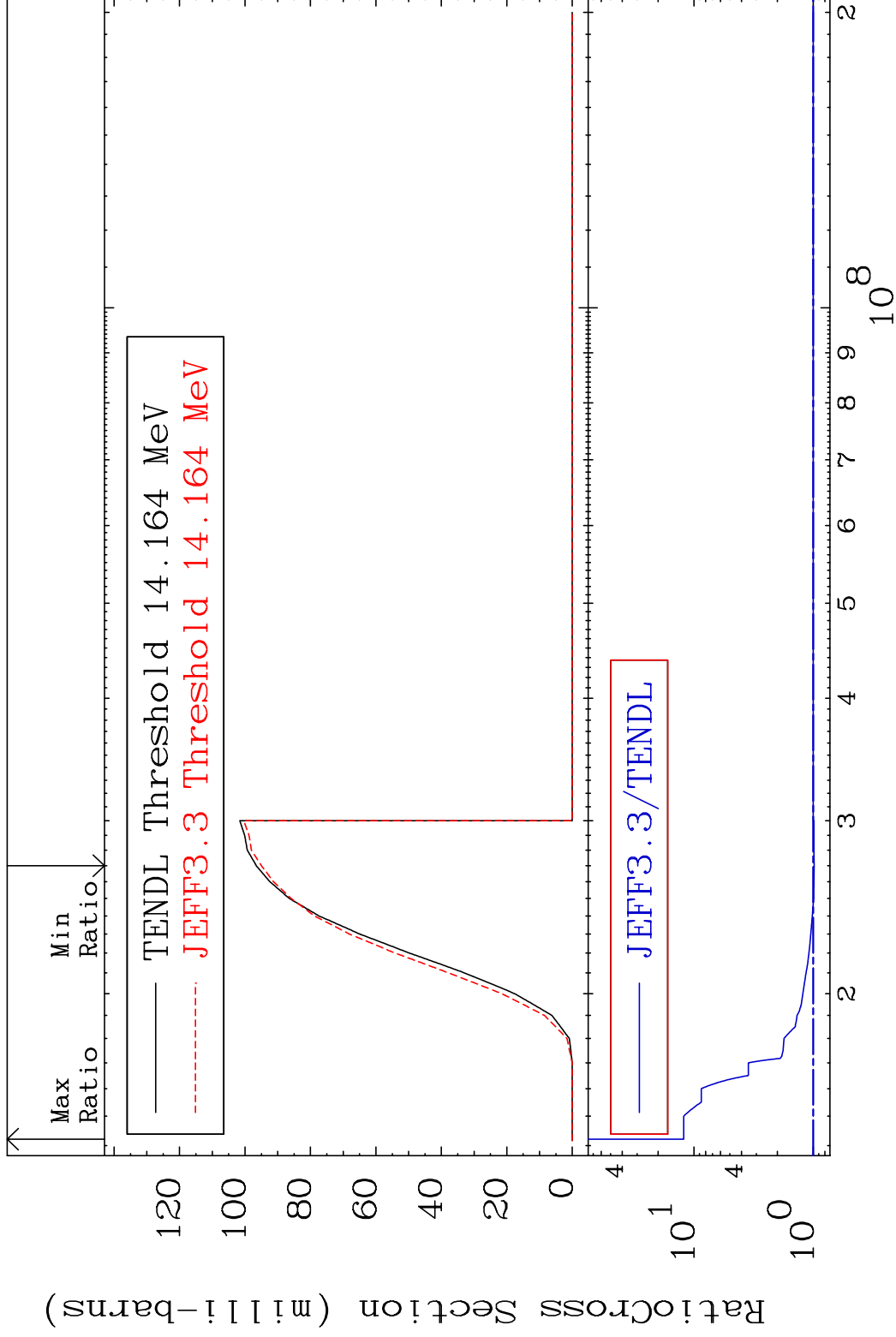
18-Ar-39

MAT 1834

(n,2n) α

18-Ar-39

Cross Section -1.609 To 1120. %

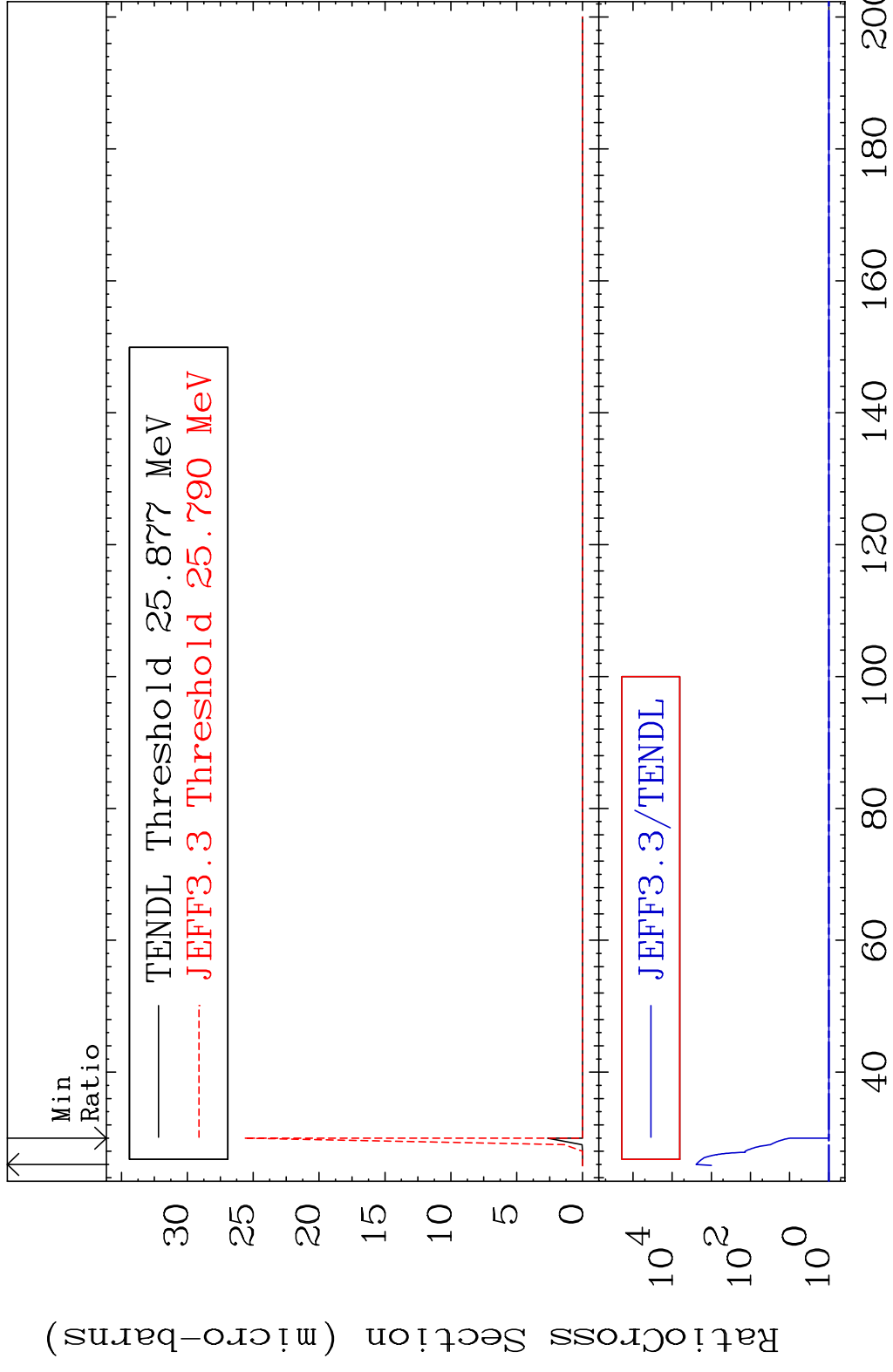


8

Incident Energy (eV)

18-Ar-39

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

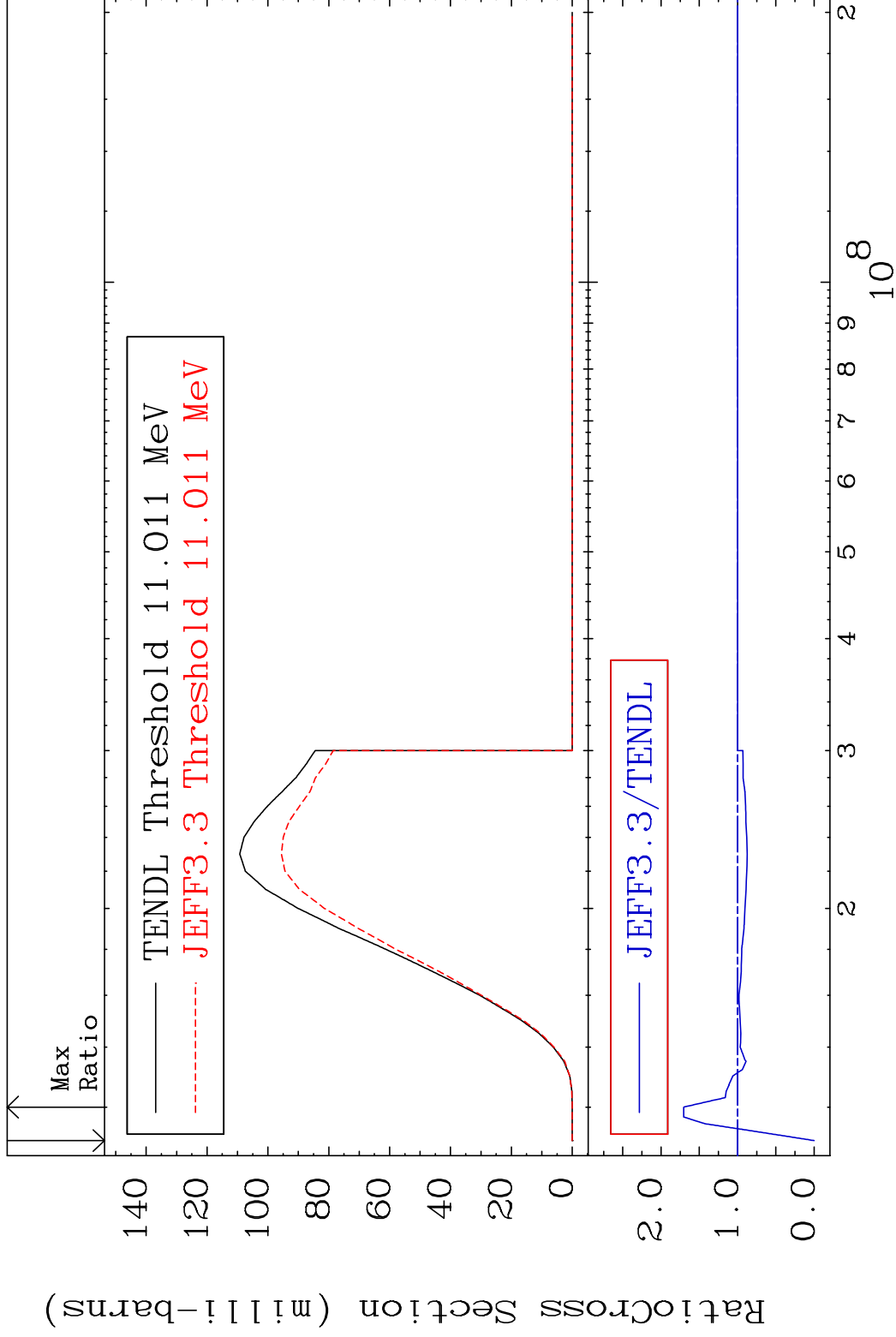


MAT 1834

(n, n') p

18-Ar-39

Cross Section -100.0 To 70.47 %

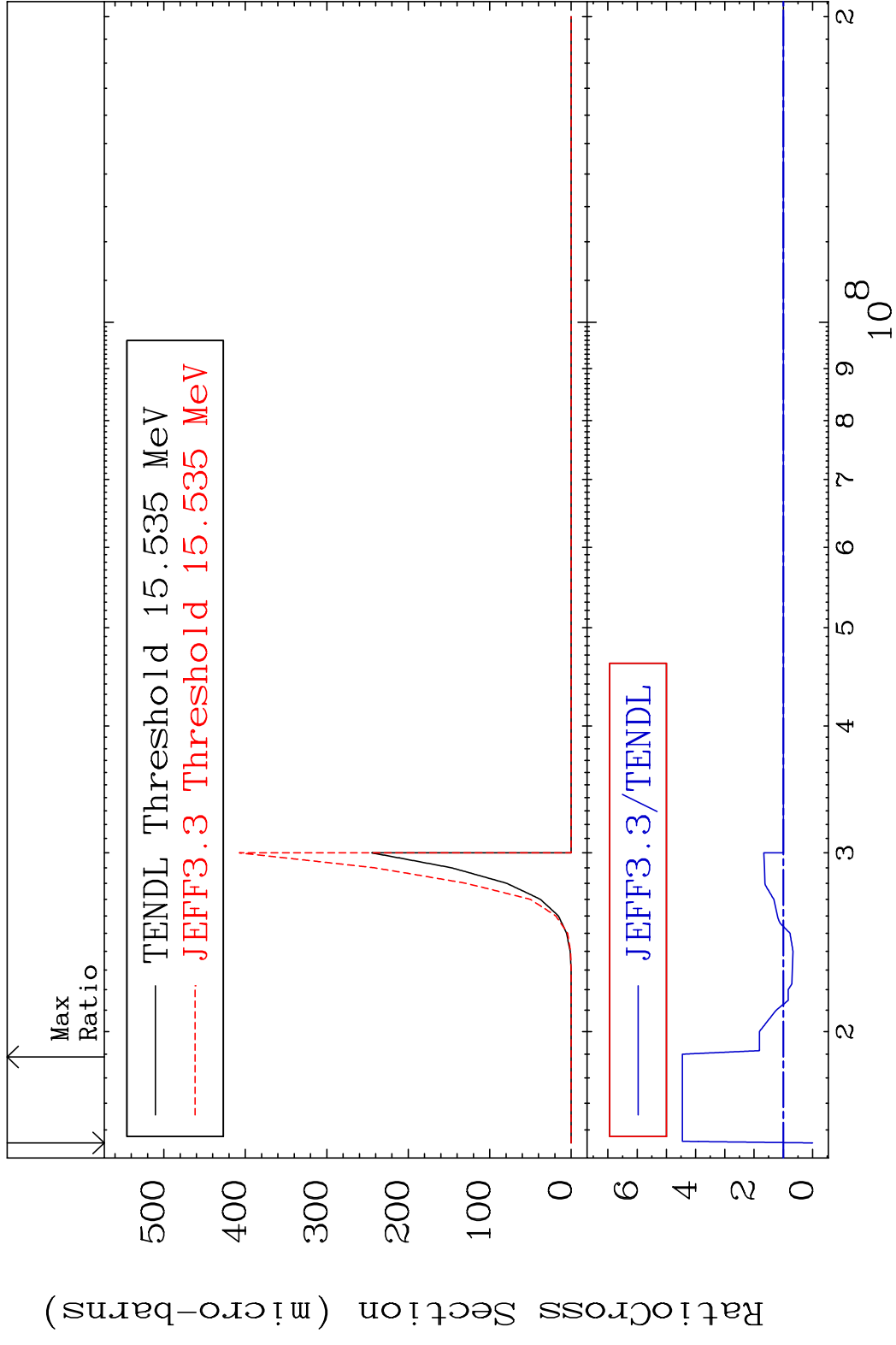


10

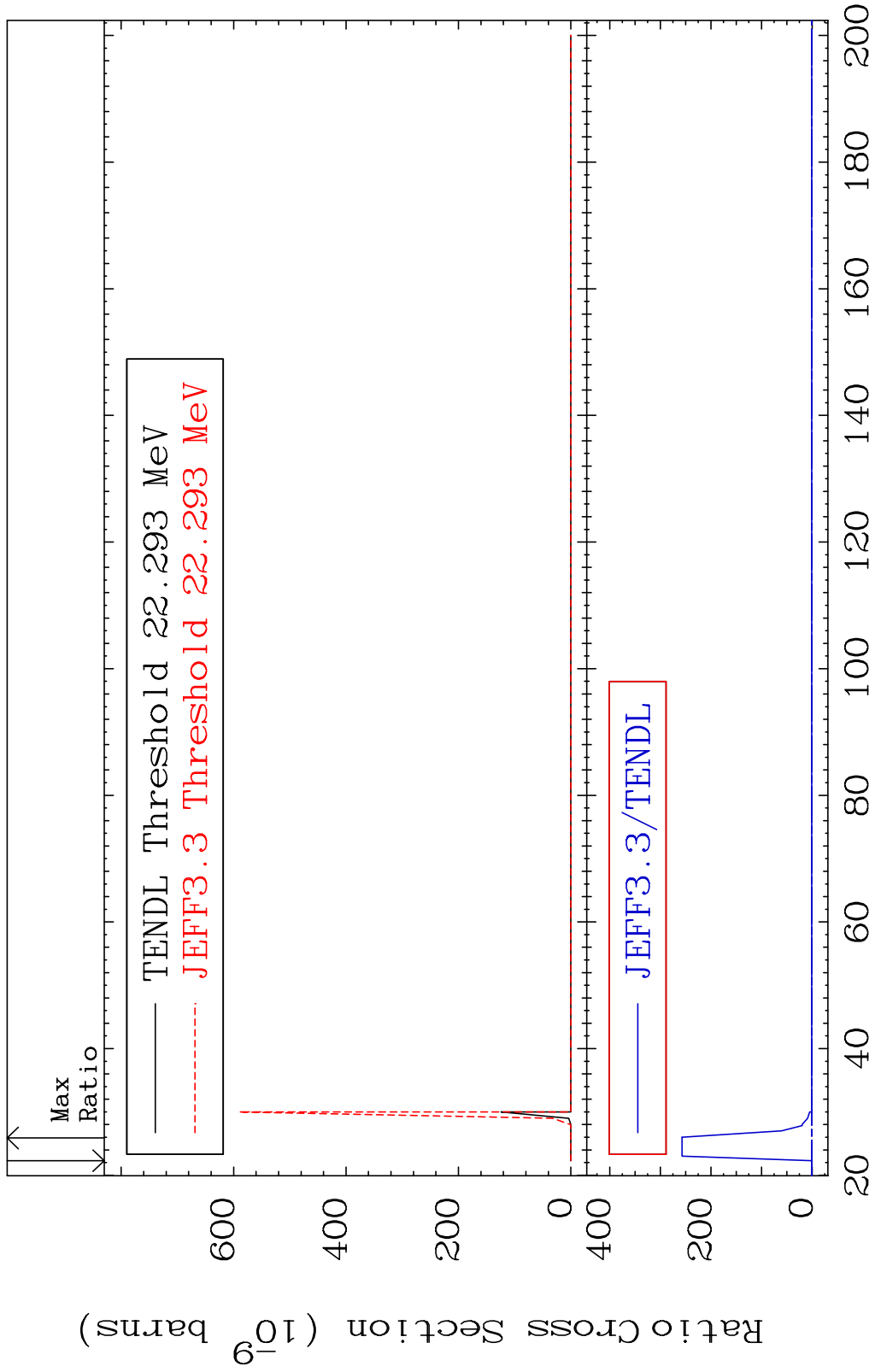
Incident Energy (eV)

18-Ar-39

MAT 1834 (n, n') 2α 18-Ar-39
 Cross Section -100.0 To 345.4 %



MAT 1834 (n,2n) 2α 18-Ar-39
 Cross Section -100.0 To 9999. %



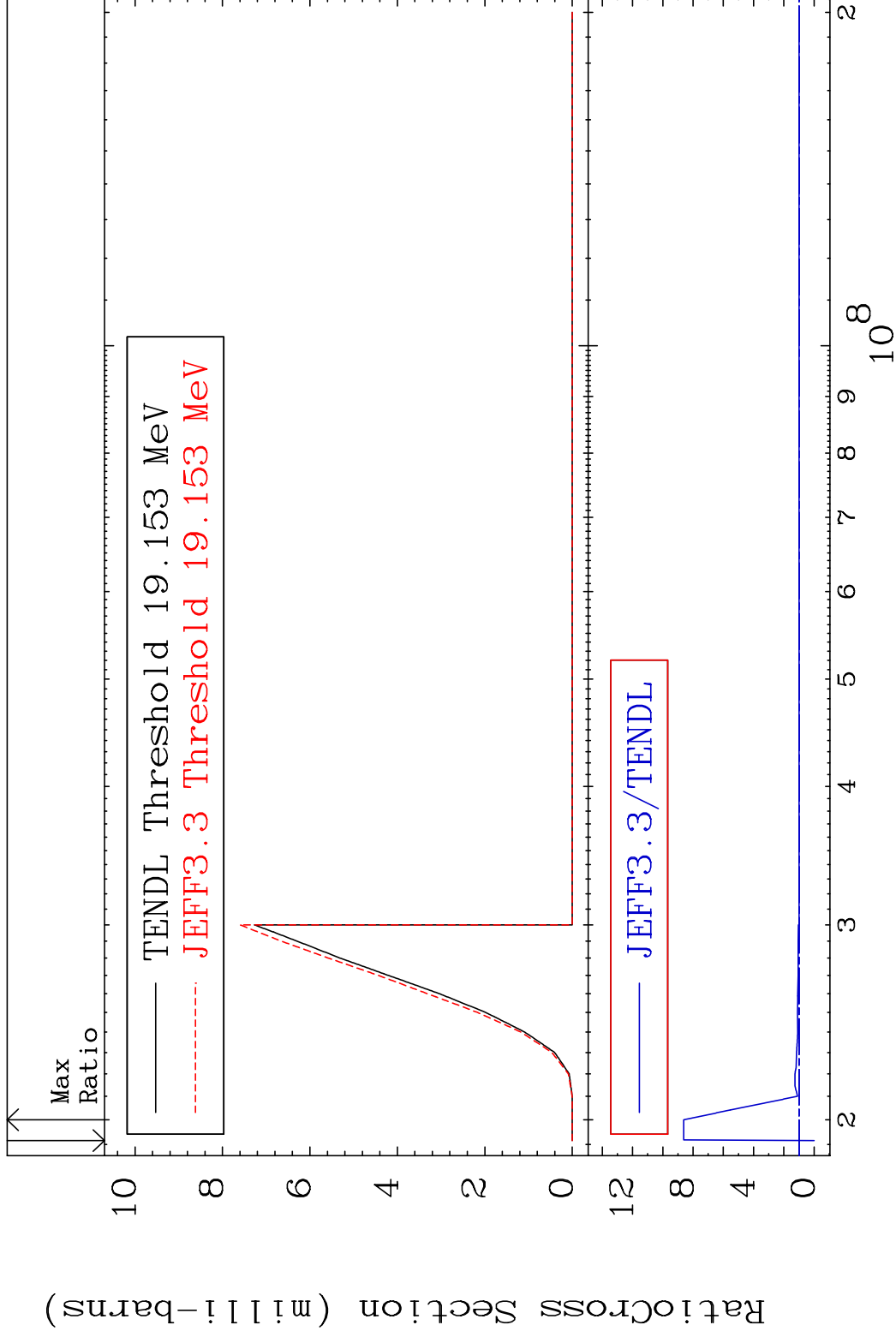
12 Incident Energy (MeV) 18-Ar-39

MAT 1834

(n, n') t

18-Ar-39

Cross Section -100.0 To 762.2 %



14

Incident Energy (eV)

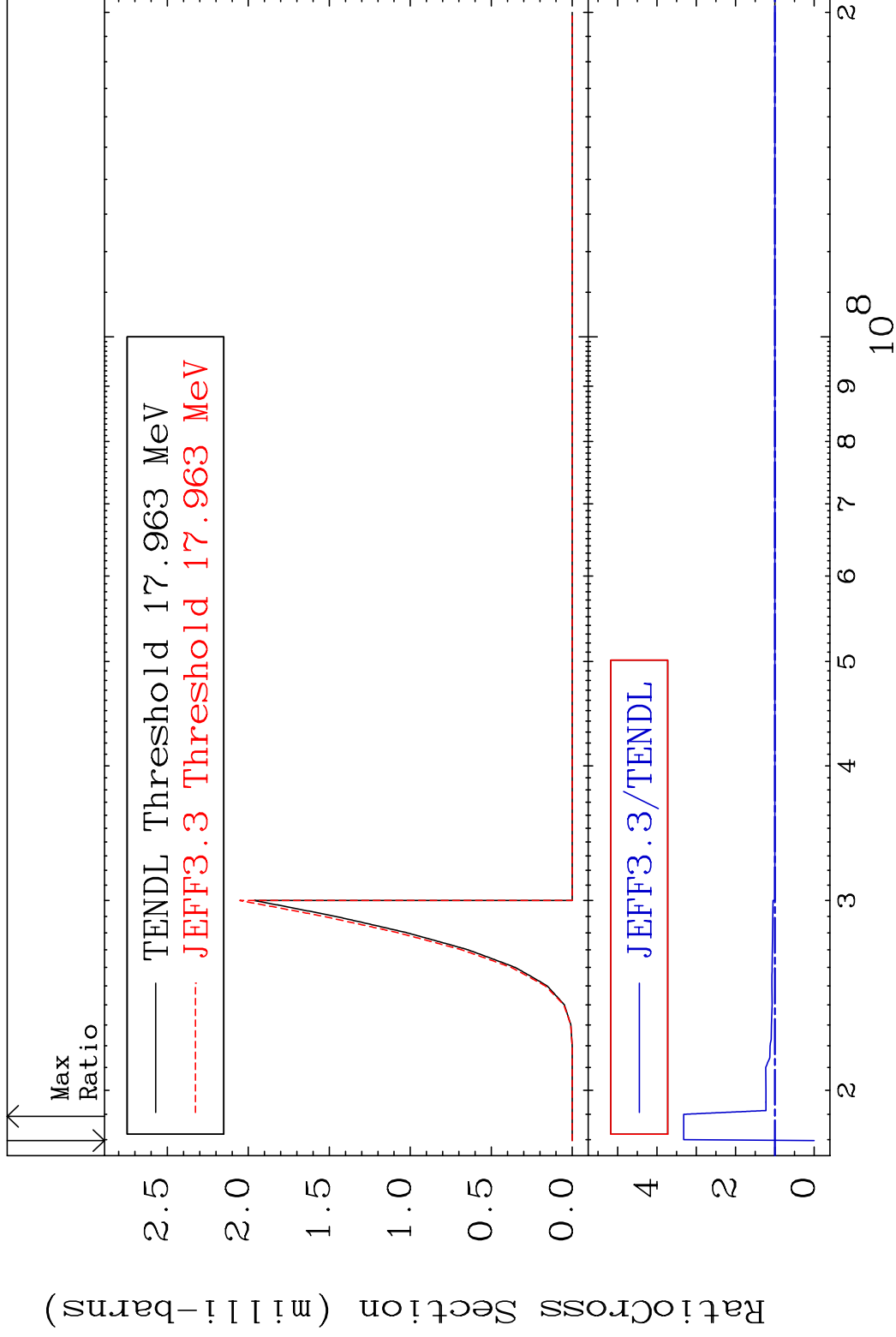
18-Ar-39

MAT 1834

(n,n') He-3

18-Ar-39

Cross Section -100.0 To 231.9 %



15

Incident Energy (eV)

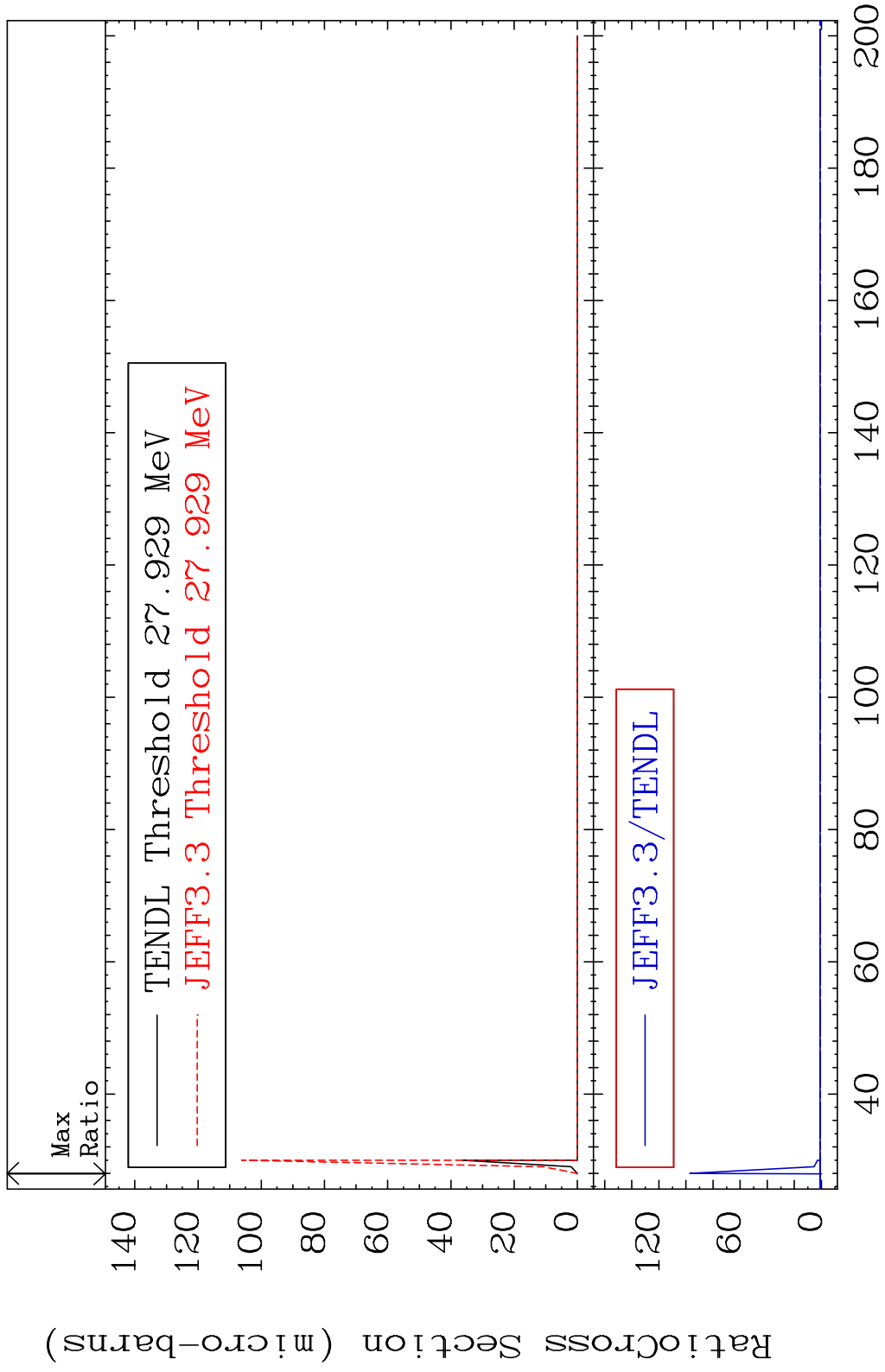
18-Ar-39

MAT 1834

(n,4n)

18-Ar-39

Cross Section -100.0 To 9618. %

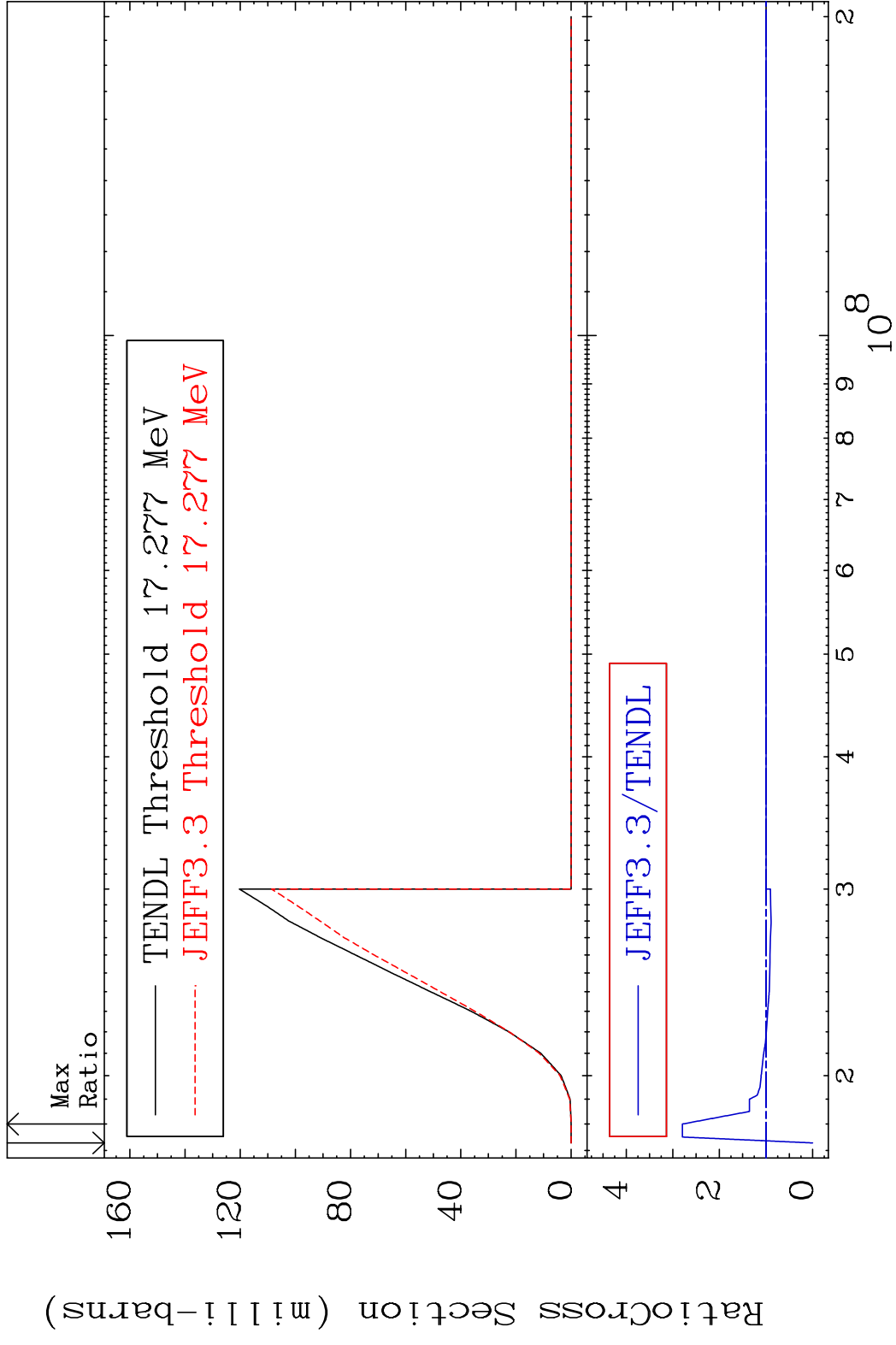


16

Incident Energy (MeV)

18-Ar-39

MAT 1834 (n,2n) p 18-Ar-39
 Cross Section -100.0 To 179.5 %

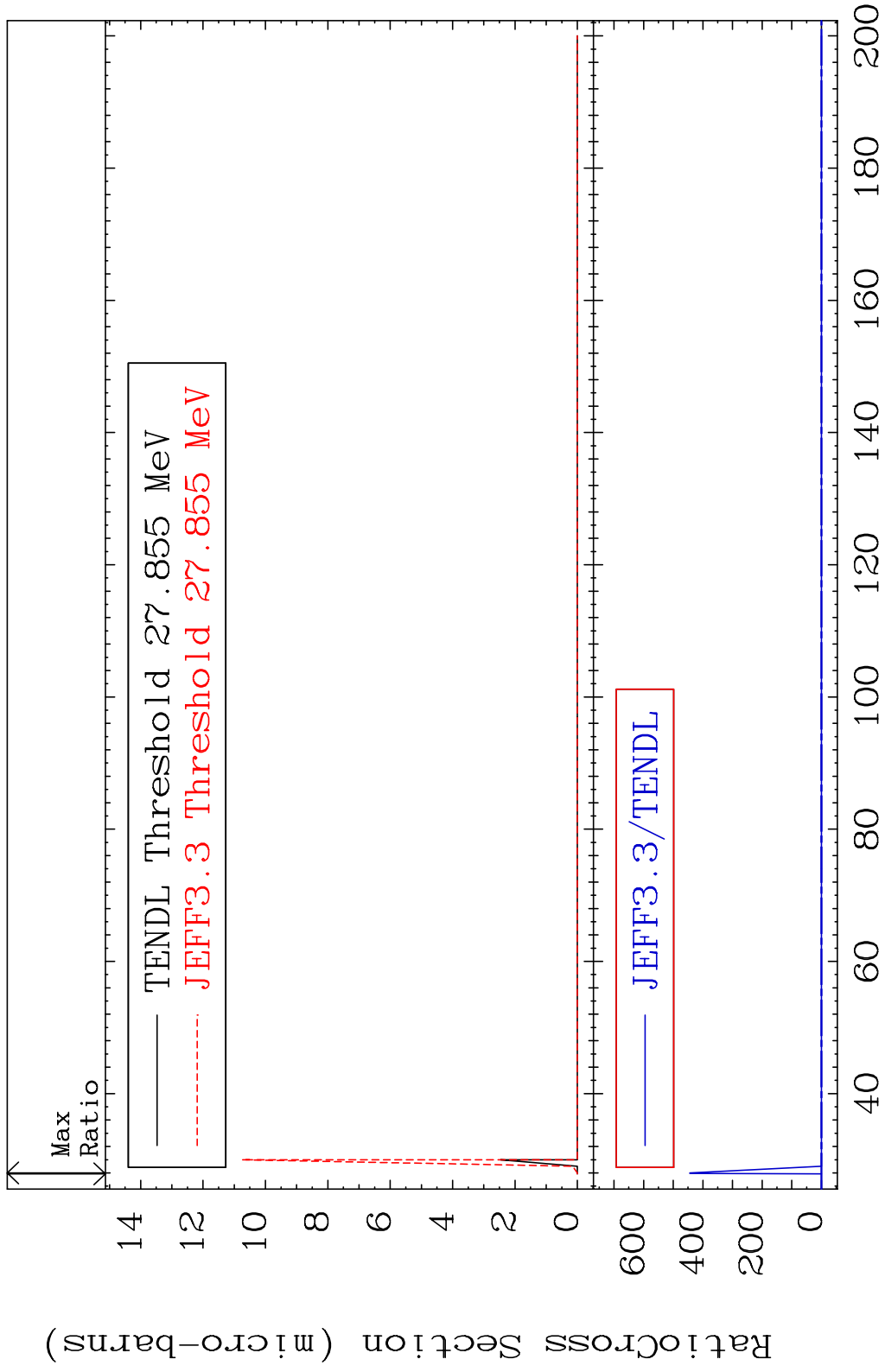


MAT 1834

(n,3n) p

18-Ar-39

Cross Section -100.0 To 9999. %

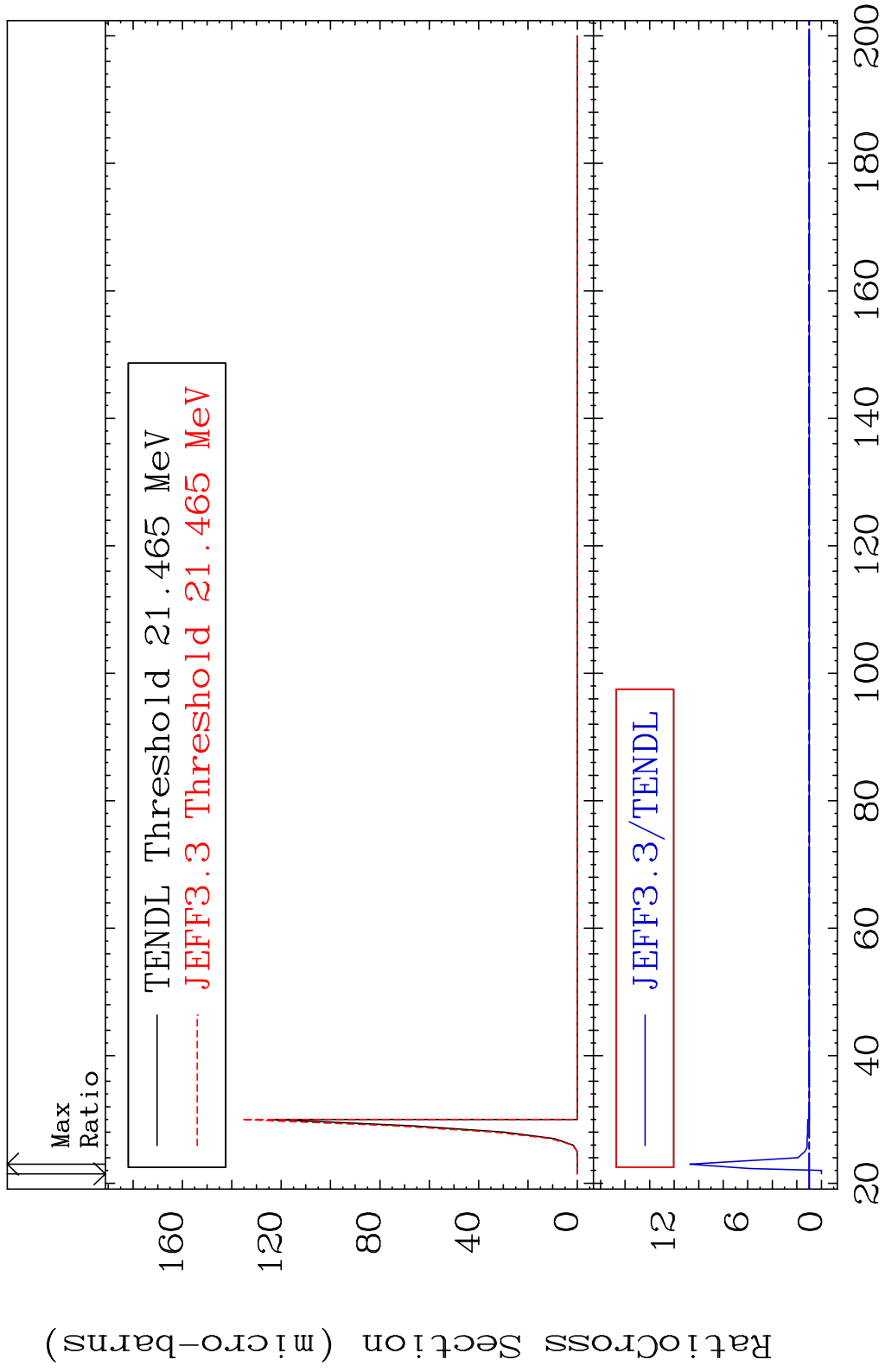


MAT 1834

(n,2n) p

18-Ar-39

Cross Section -100.0 To 972.8 %



19

Incident Energy (MeV)

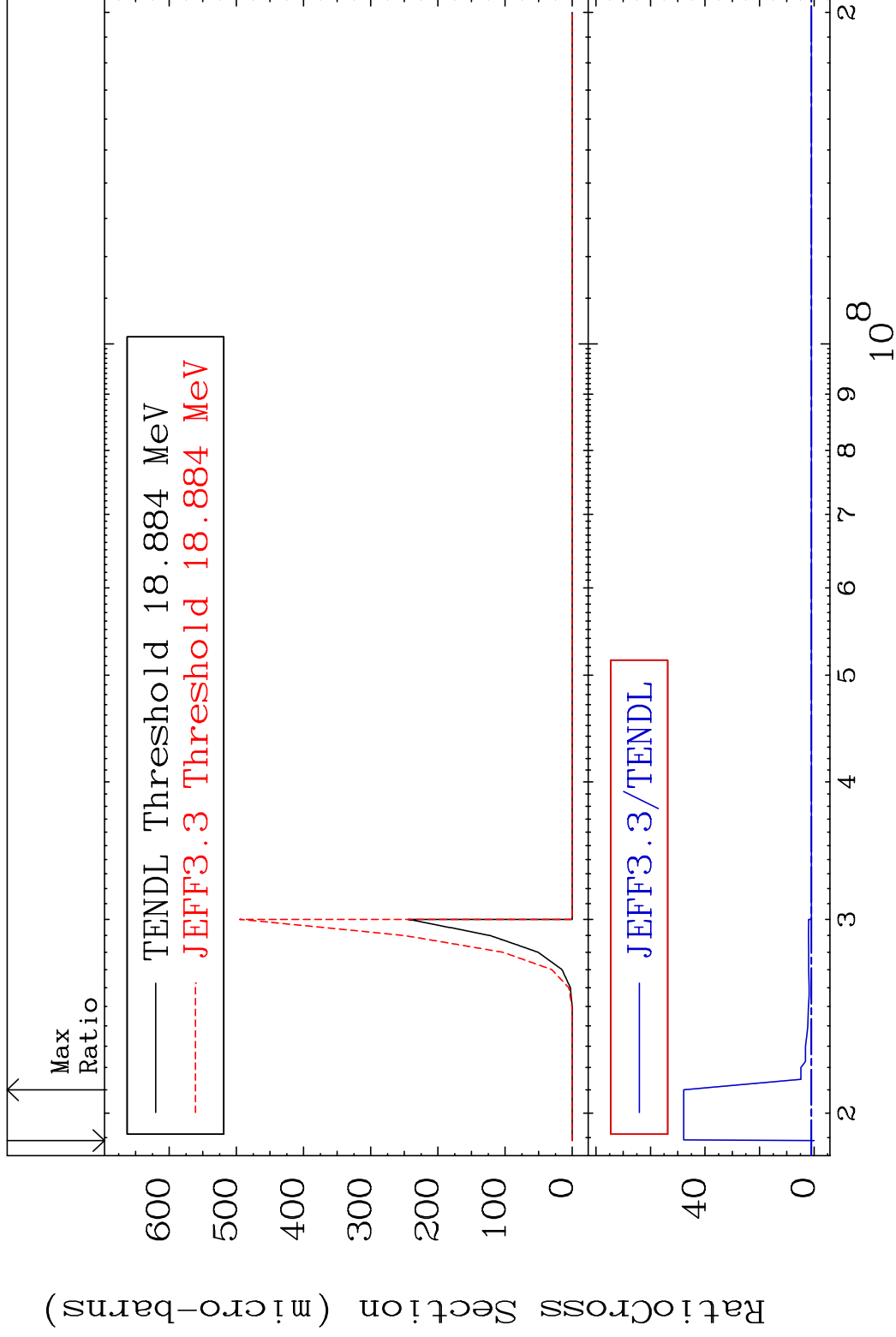
18-Ar-39

MAT 1834

(n,n') p α

18-Ar-39

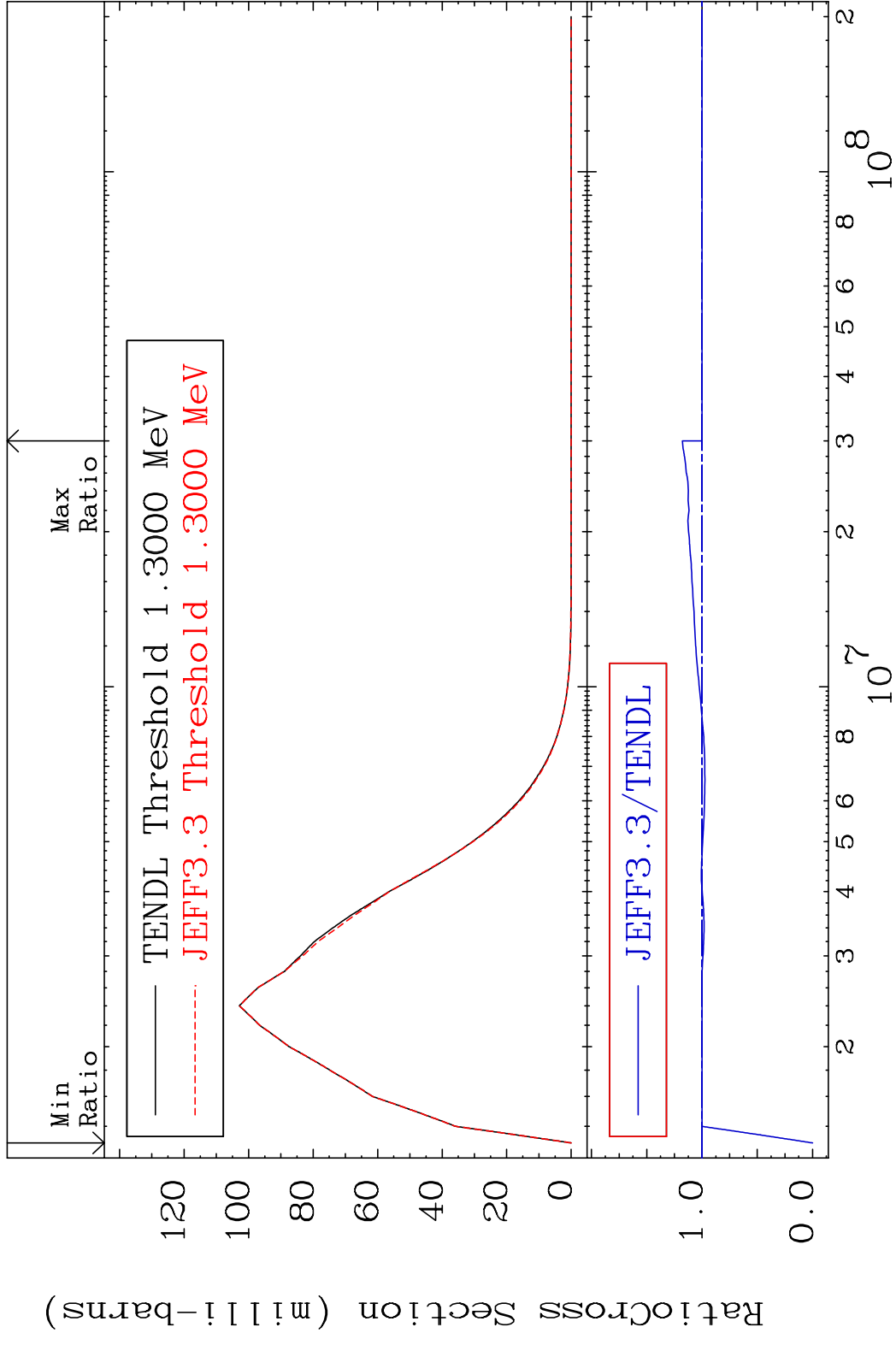
Cross Section -100.0 To 4684. %



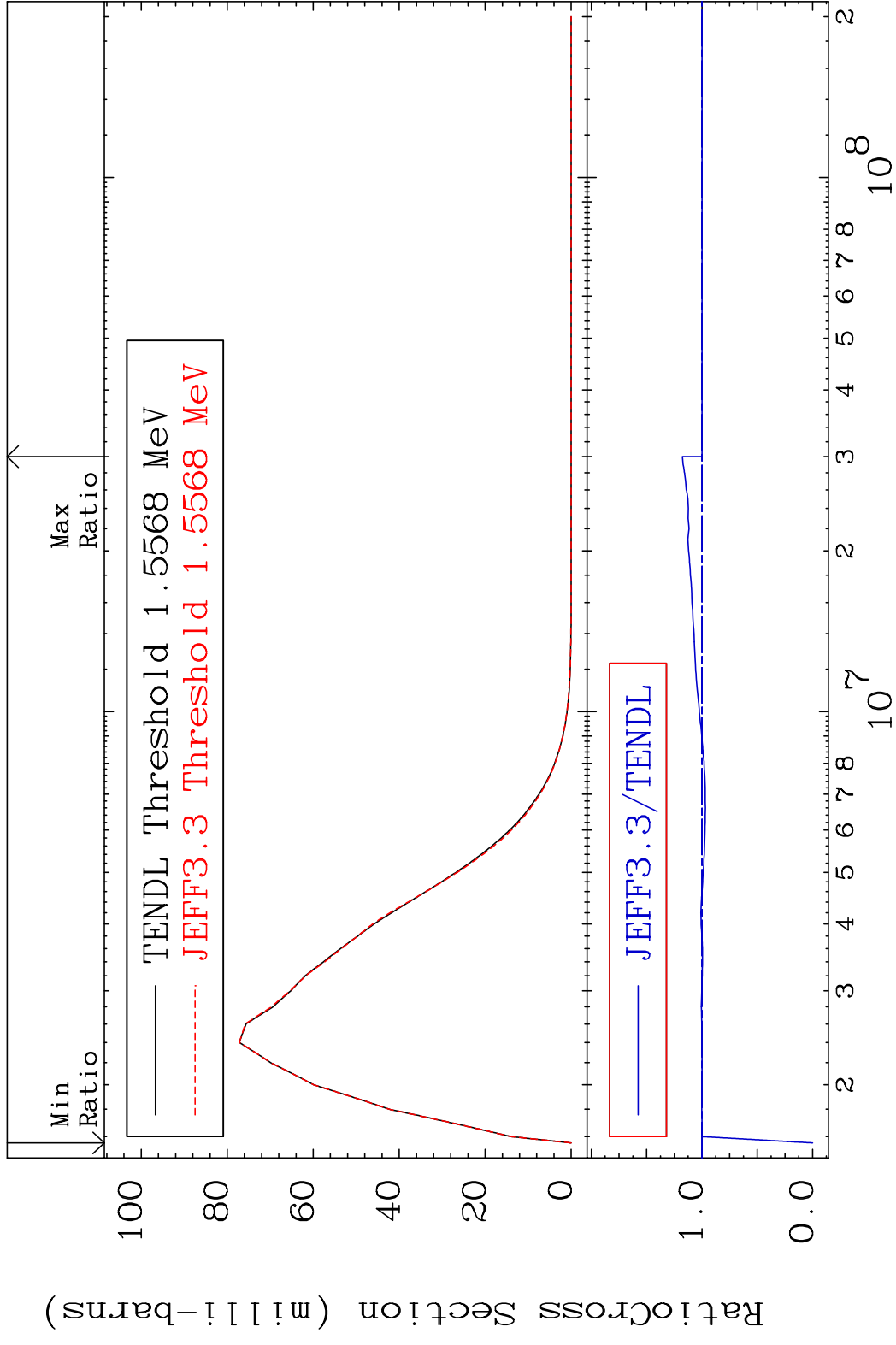
20

18-Ar-39

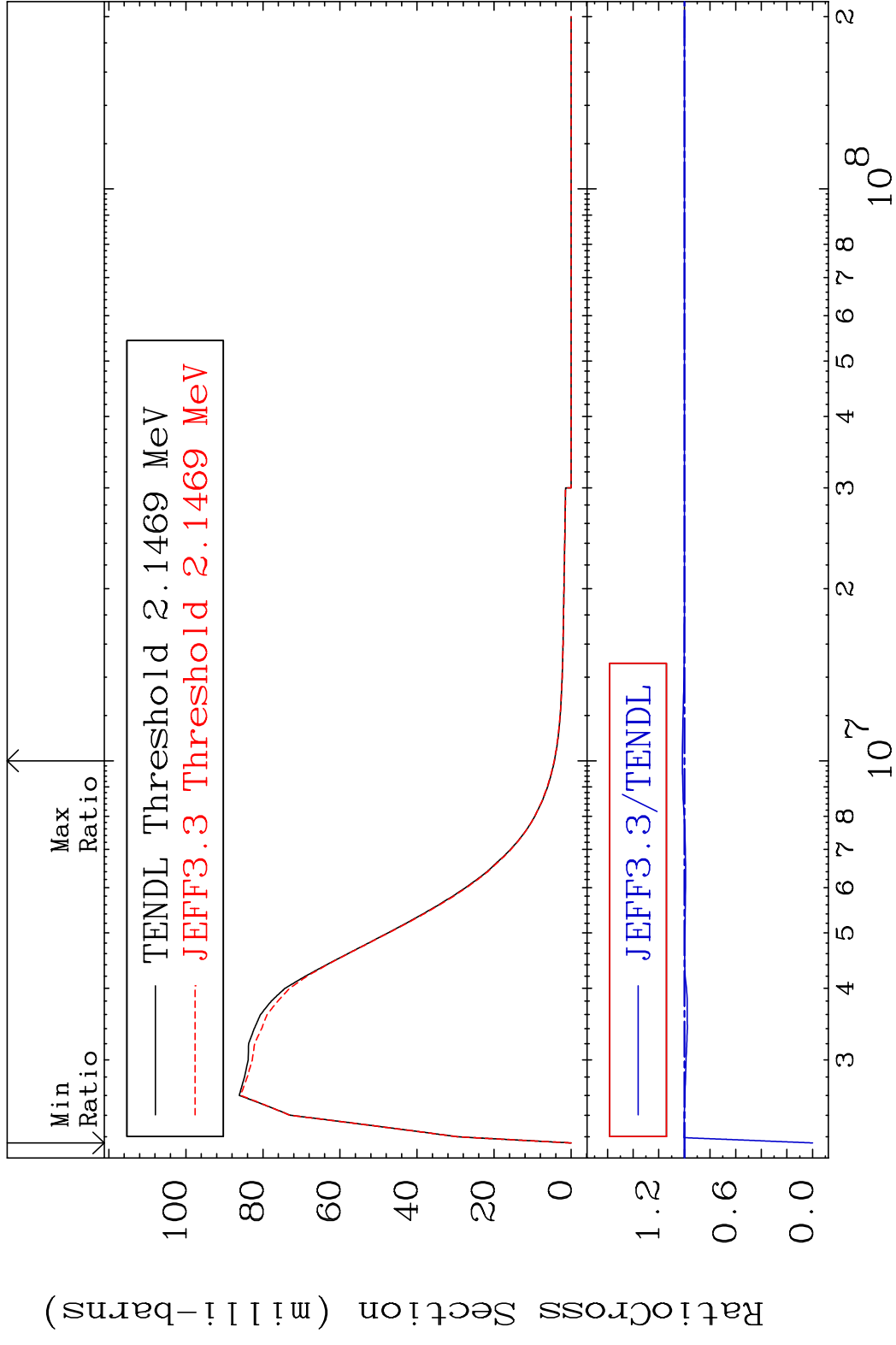
MAT 1834 MT= 51 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 17.80 %



MAT 1834 MT= 52 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 17.72 %



MAT 1834 MT= 53 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 1.592 %

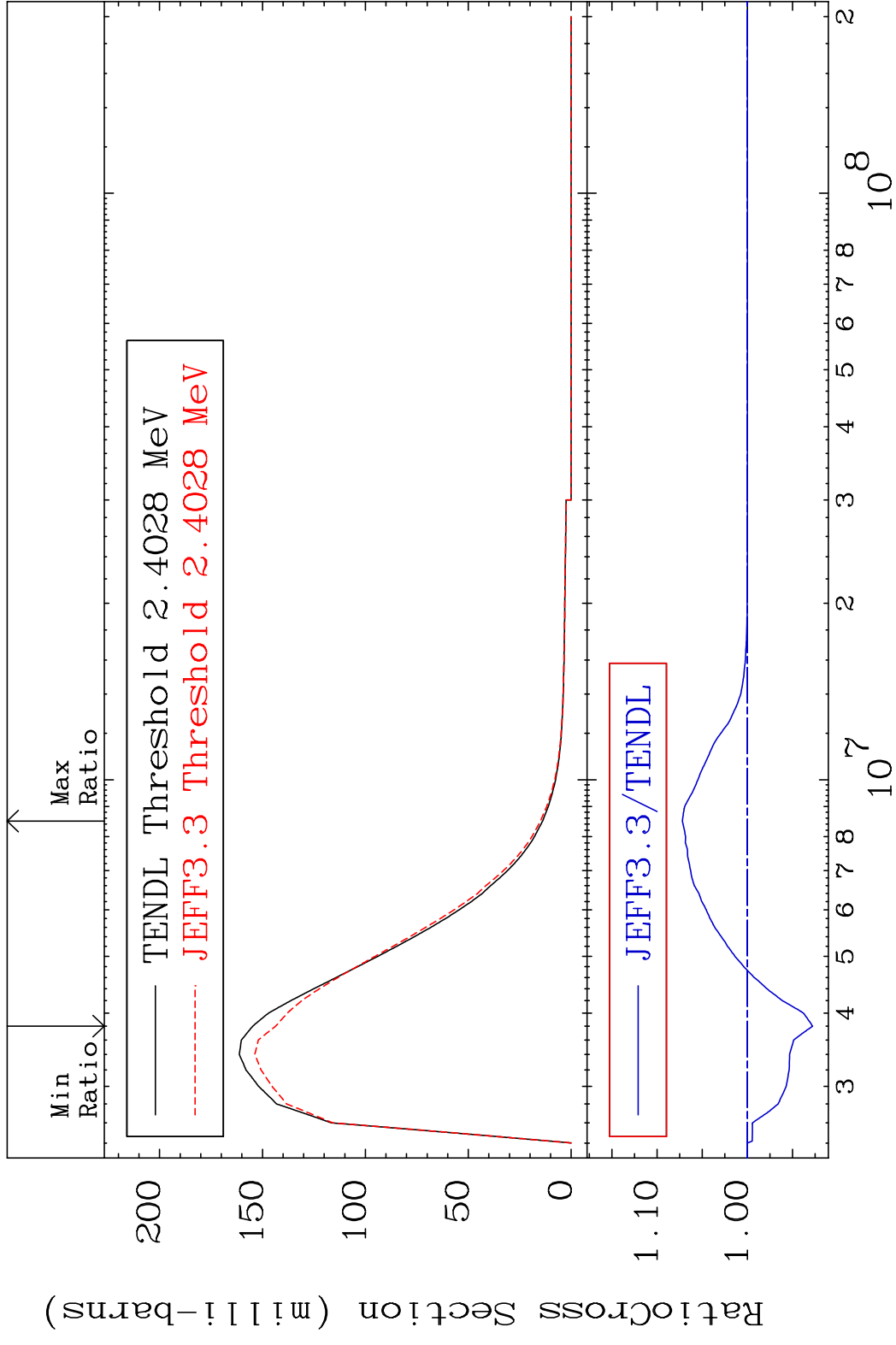


MAT 1834

MT= 54 (n, n') Level

18-Ar-39

Cross Section -7.208 To 7.197 %



24

Incident Energy (eV)

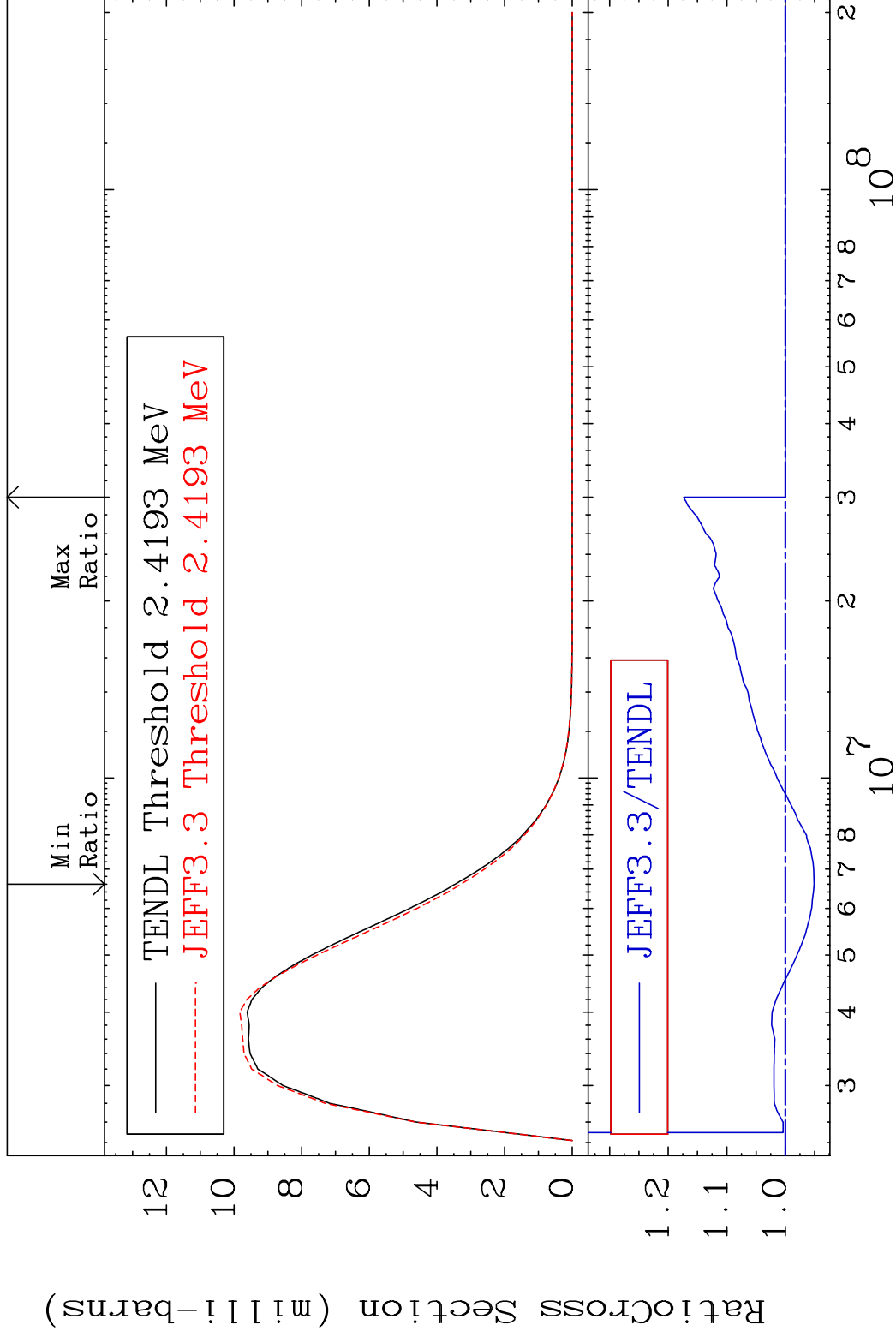
18-Ar-39

MAT 1834

MT= 55 (n, n') Level

18-Ar-39

Cross Section -4.924 To 17.37 %

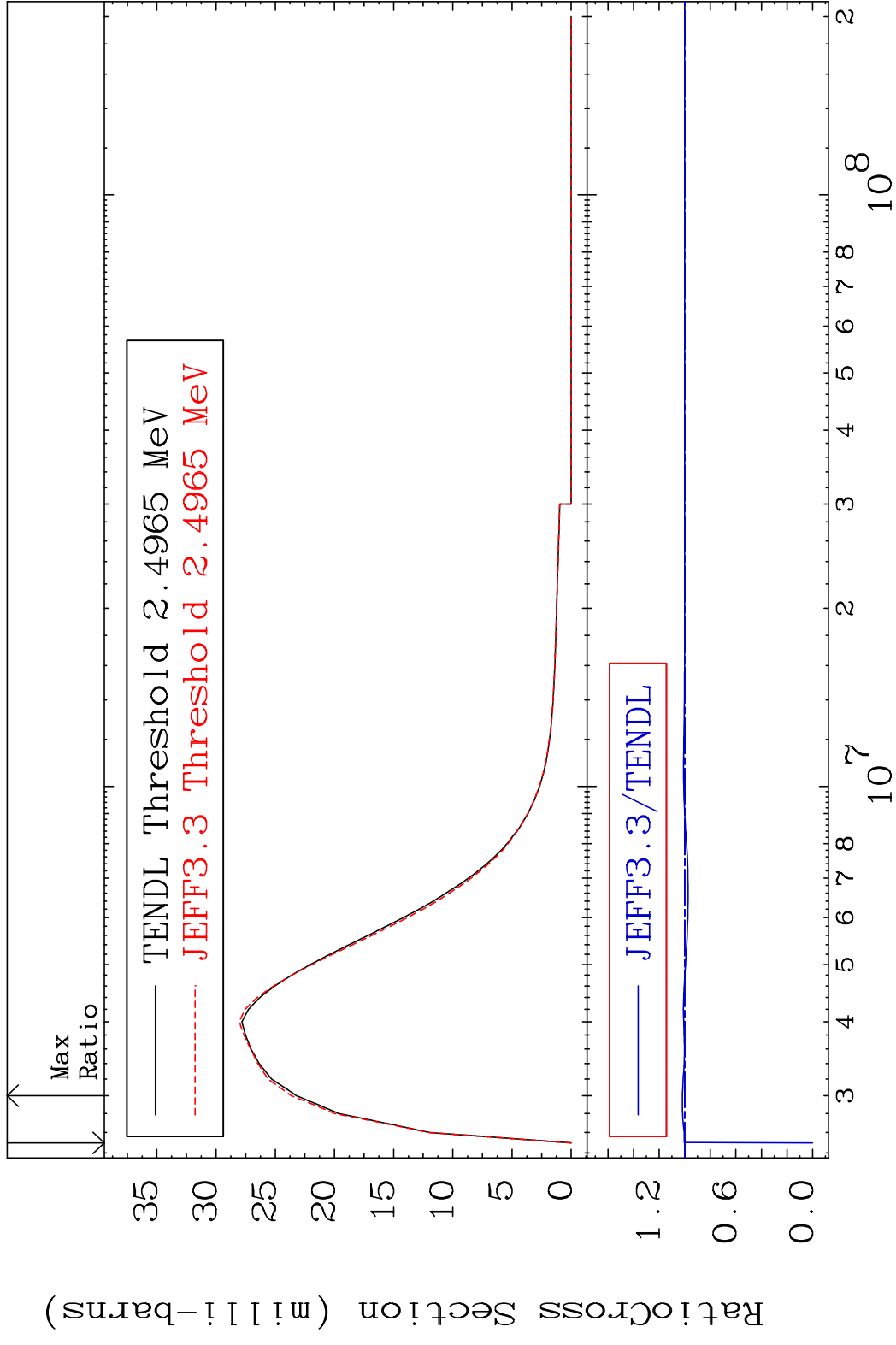


25

Incident Energy (eV)

18-Ar-39

MAT 1834 MT= 56 (n,n') Level 18-Ar-39
 Cross Section -100.0 To 1.838 %

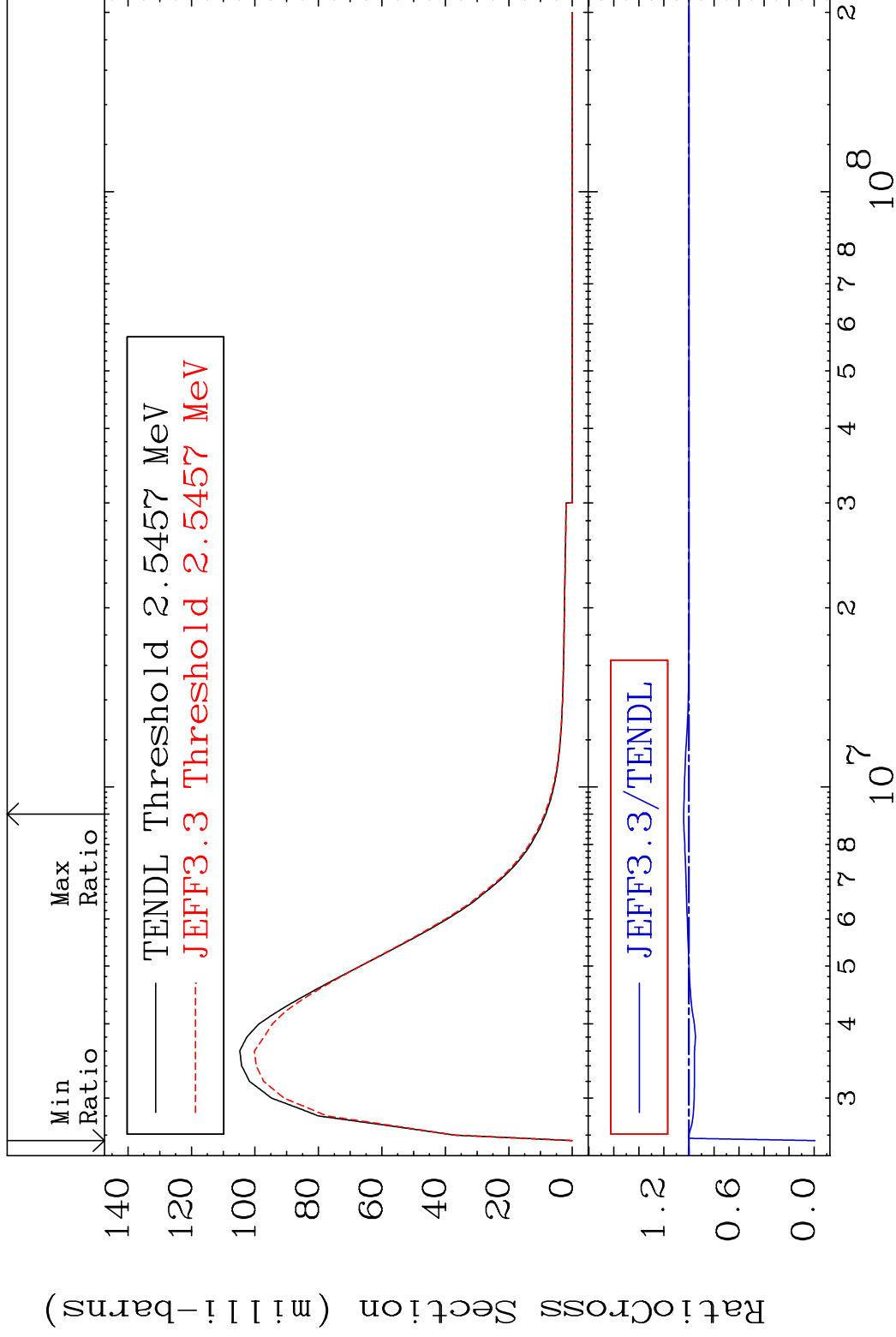


MAT 1834

MT= 57 (n, n') Level

18-Ar-39

Cross Section -100.0 To 4.213 %

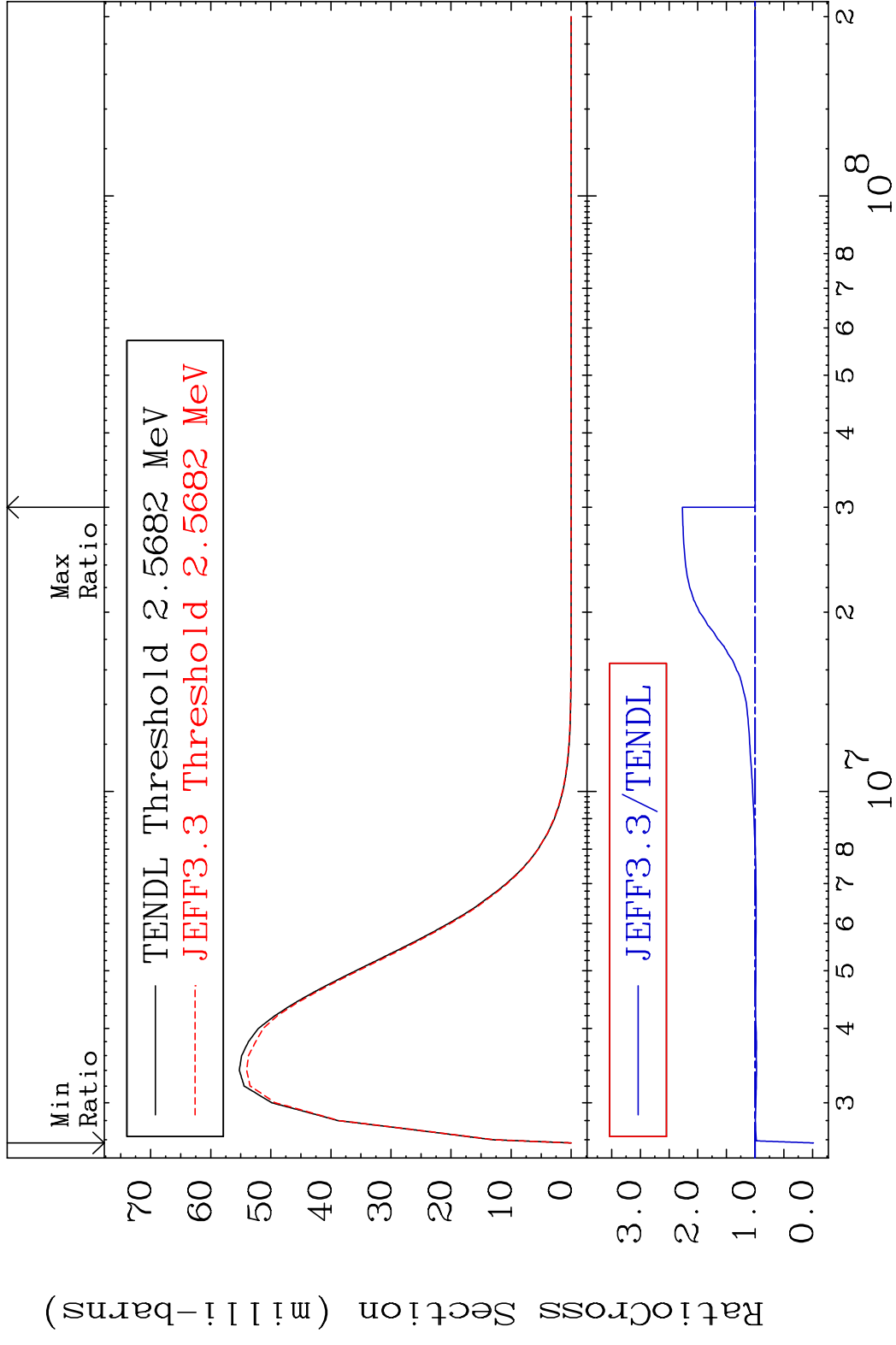


27

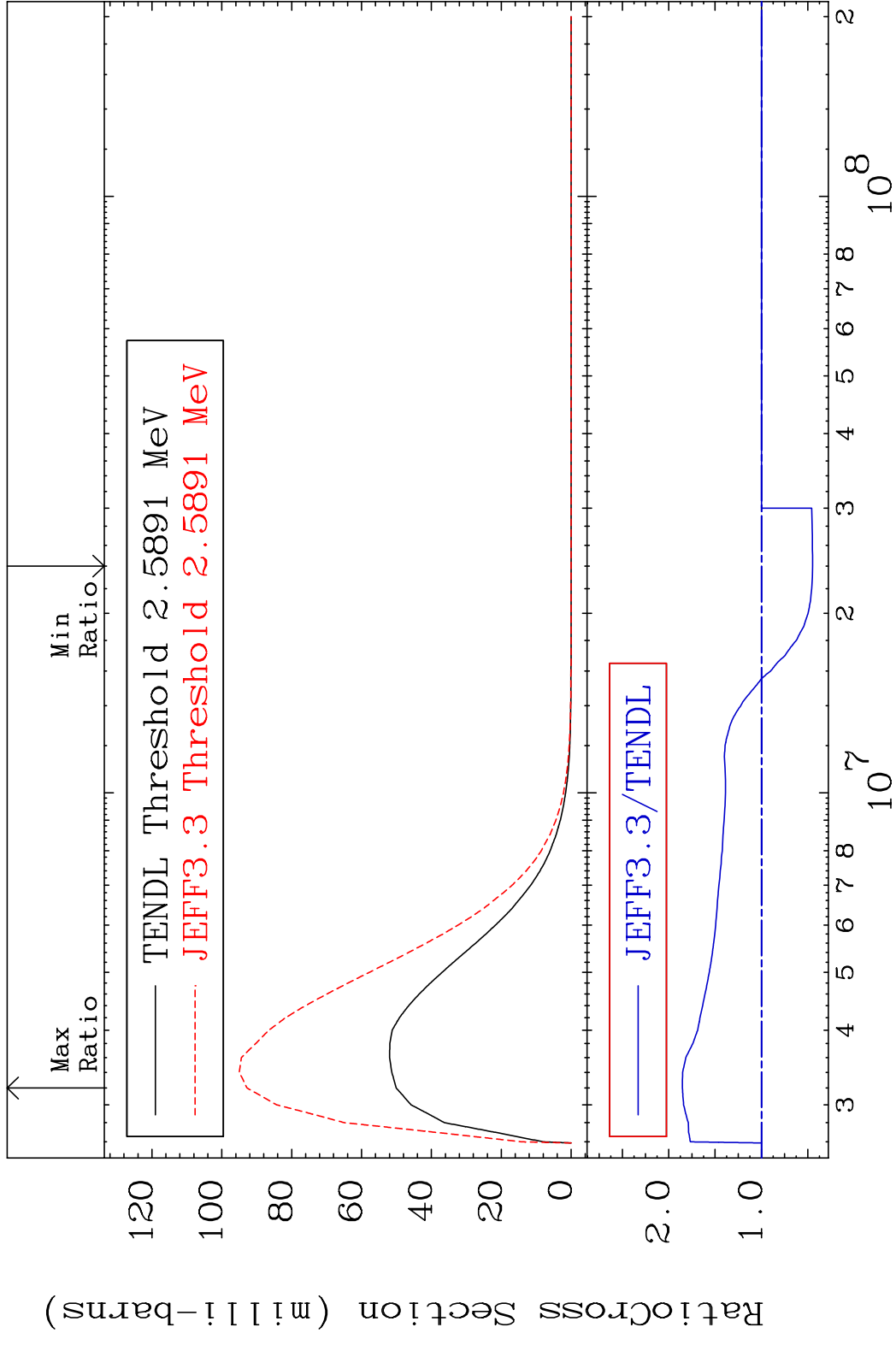
Incident Energy (eV)

18-Ar-39

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 -55.07 To 85.30 %

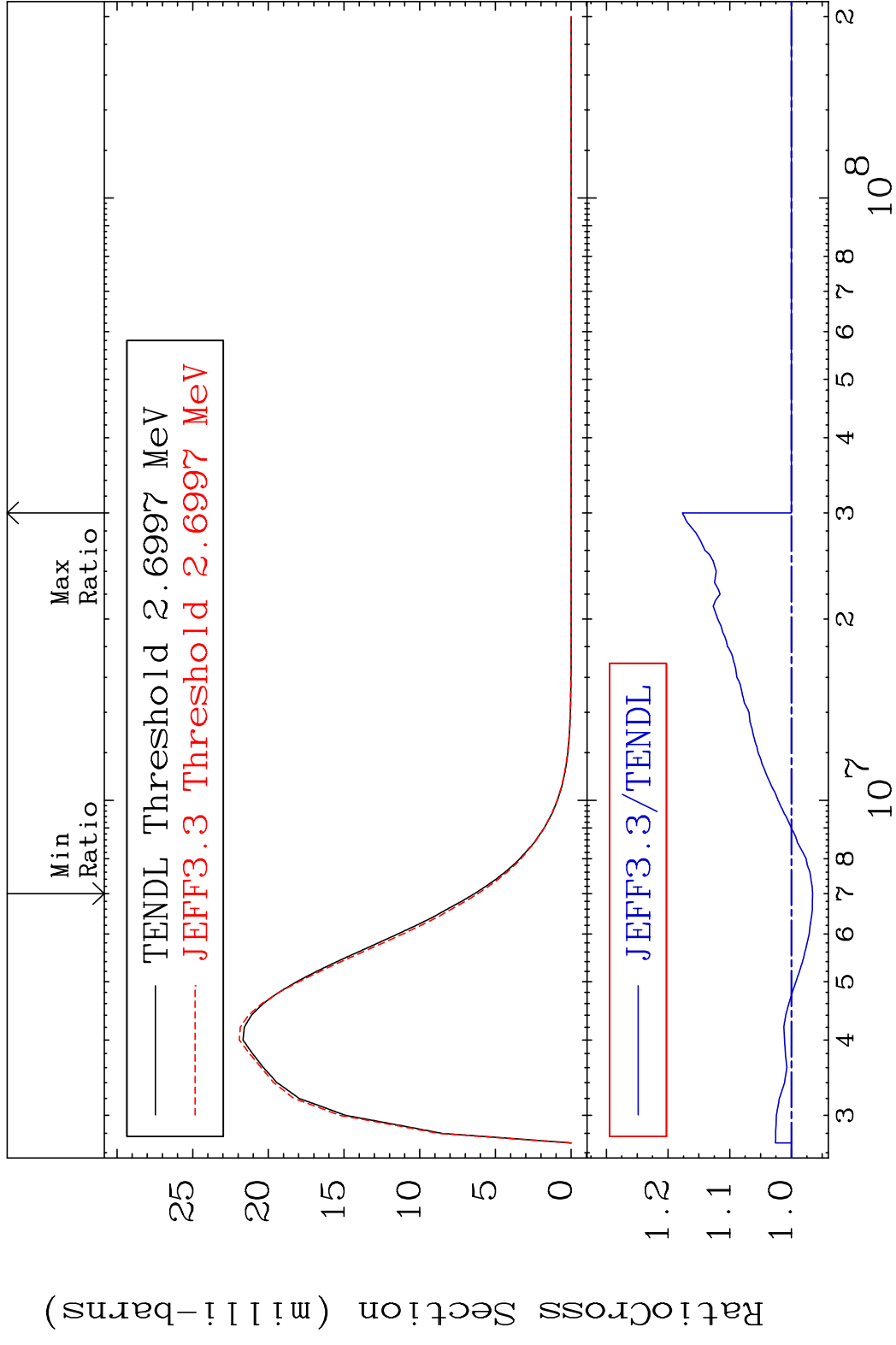


MAT 1834

MT= 60 (n, n') Level

18-Ar-39

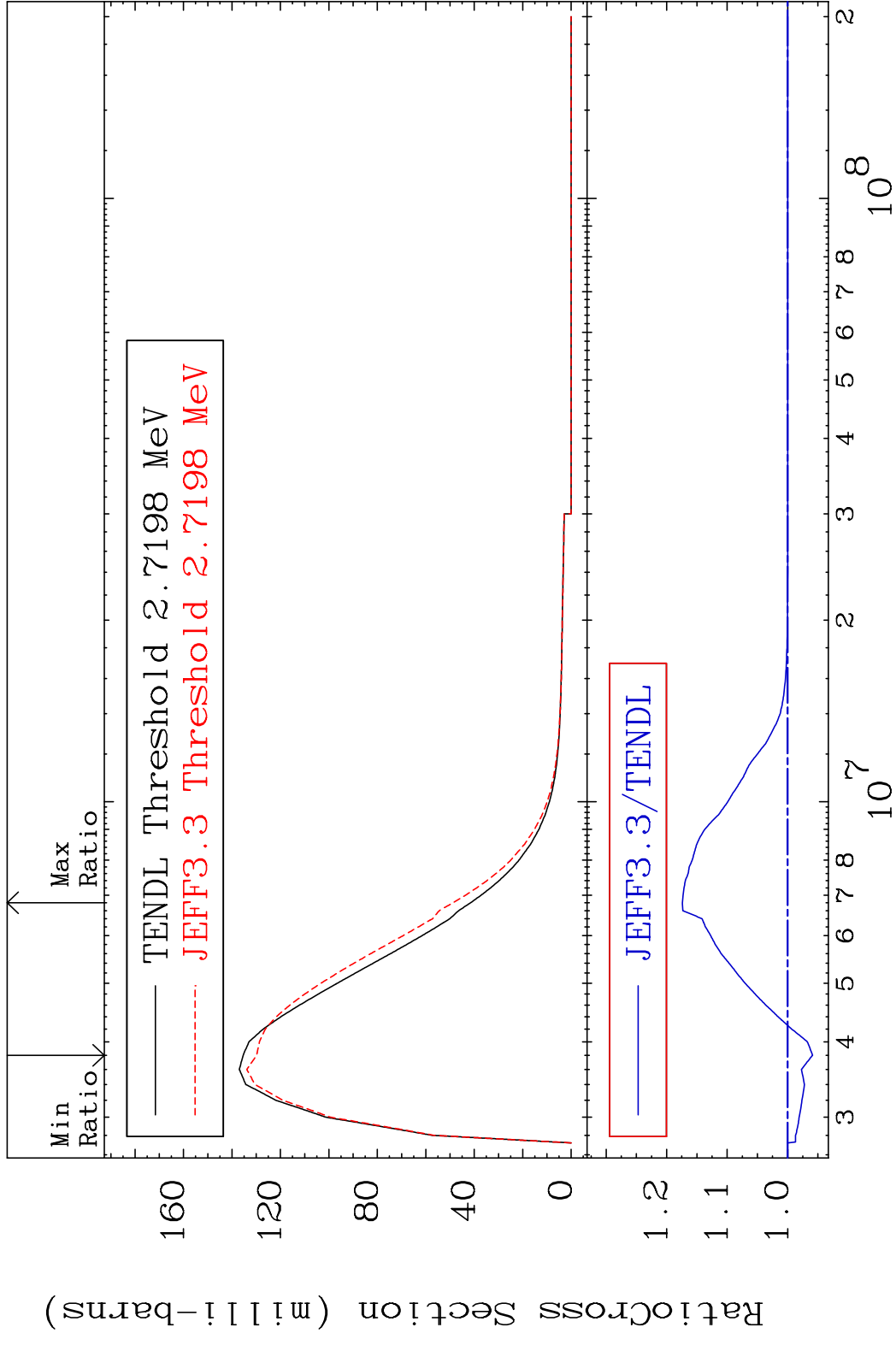
Cross Section -3.426 To 17.68 %



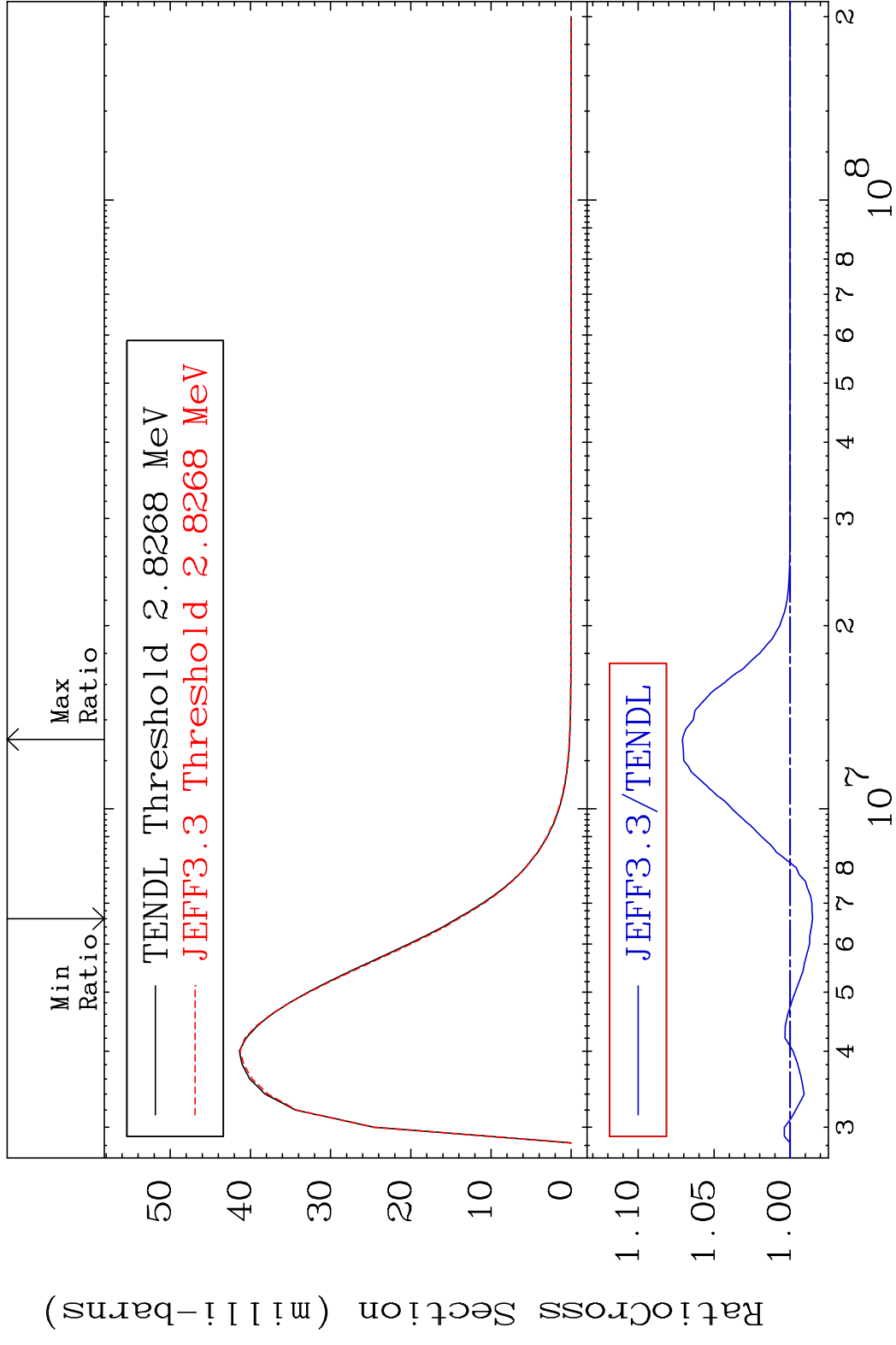
30

18-Ar-39

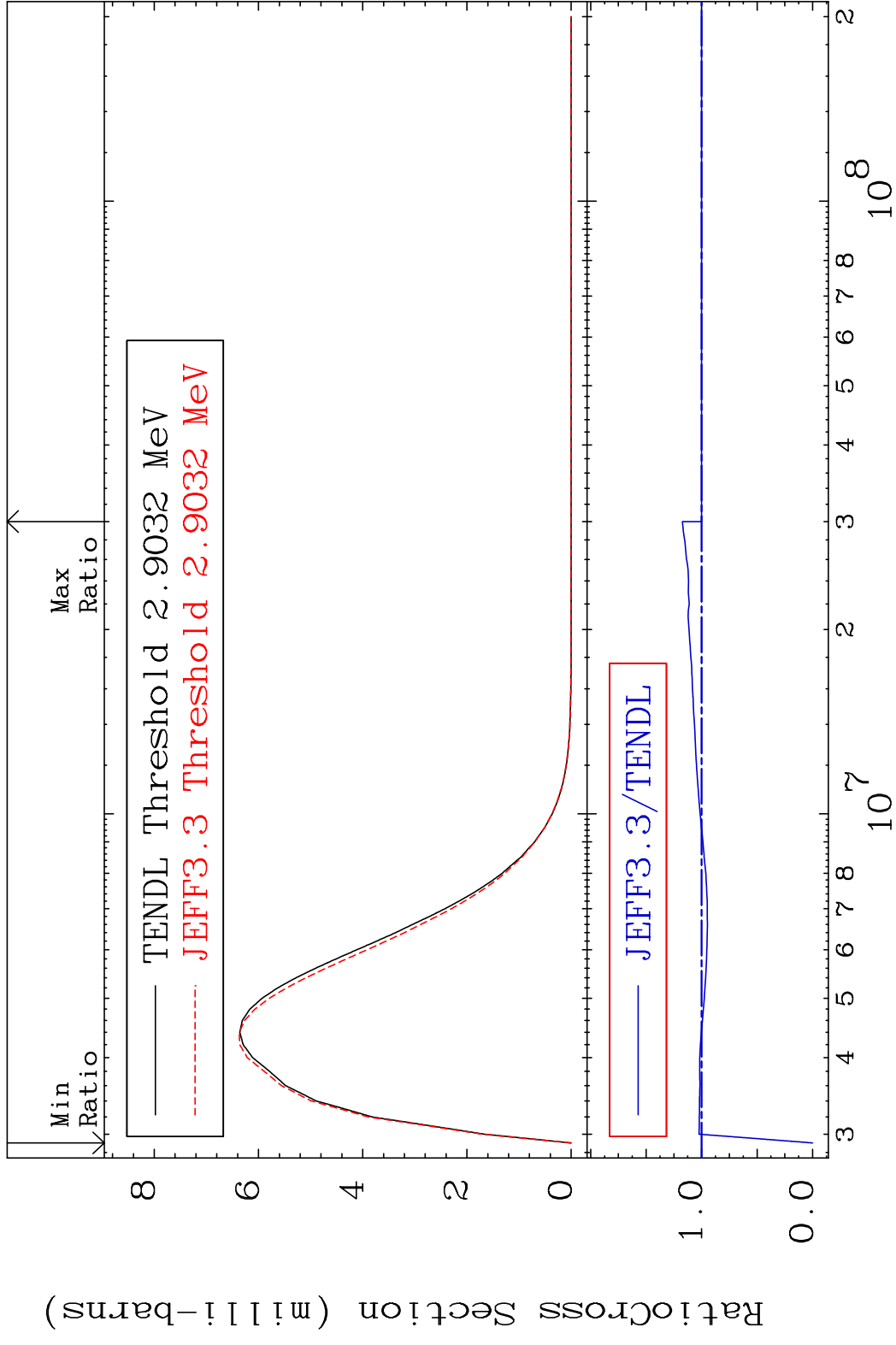
MAT 1834 MT= 61 (n, n') Level 18-Ar-39
 Cross Section -4.117 To 17.41 %



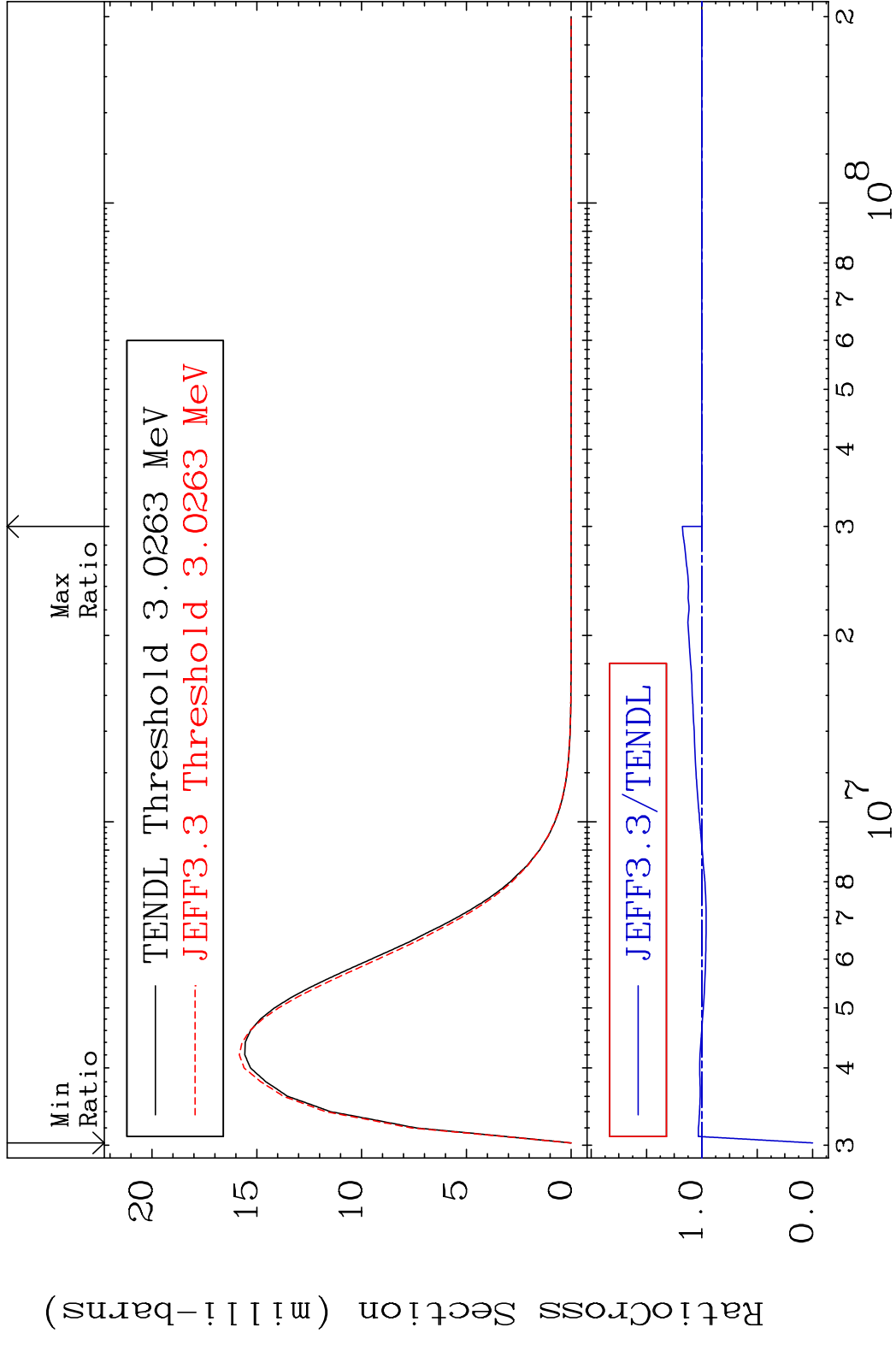
MAT 1834 MT= 62 (n, n') Level 18-Ar-39
 Cross Section -1.479 To 7.095 %



MAT 1834 MT= 63 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 17.35 %



MAT 1834 MT= 64 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 17.61 %

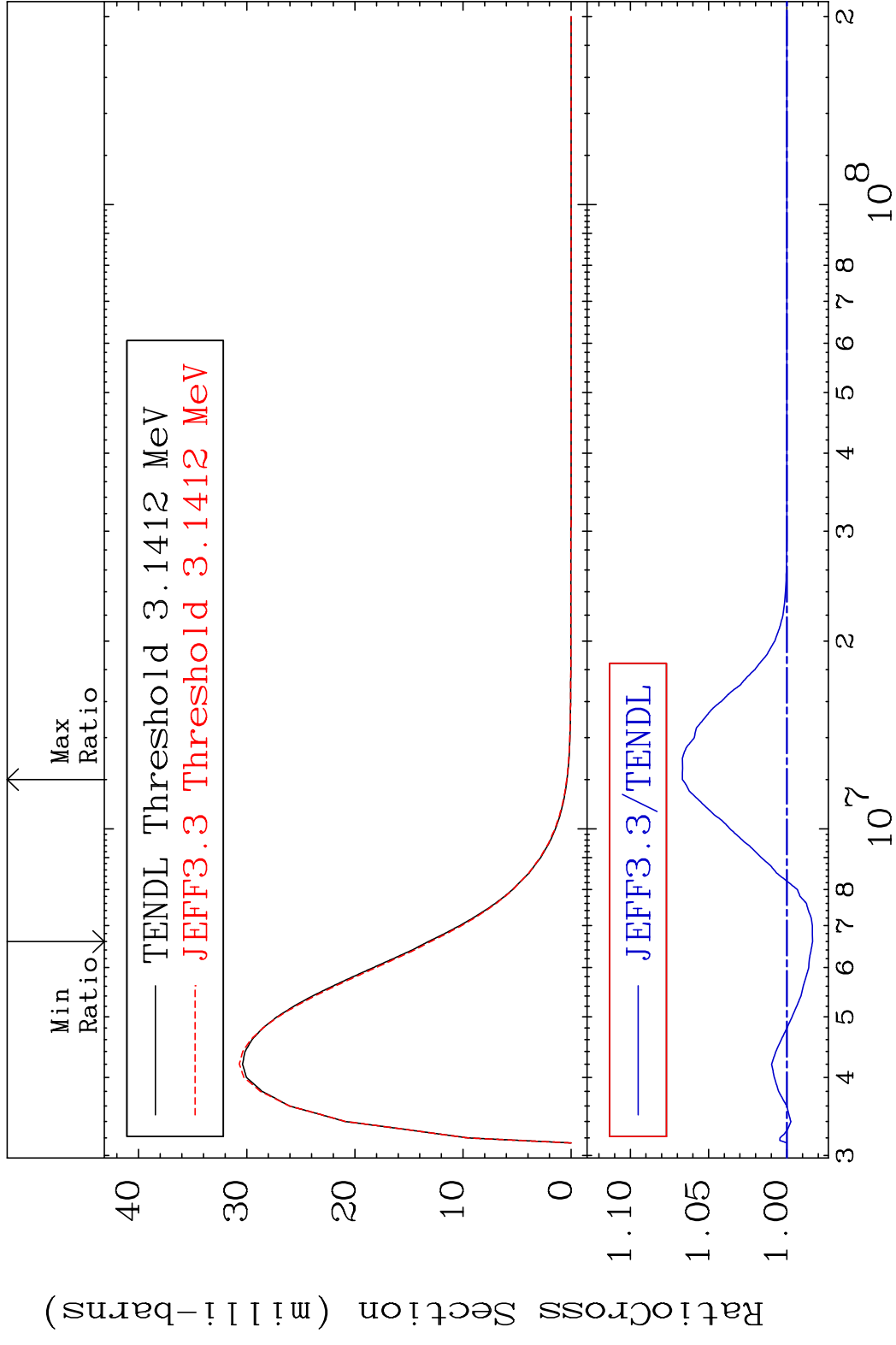


MAT 1834

MT= 65 (n, n') Level

18-Ar-39

Cross Section -1.639 To 6.676 %

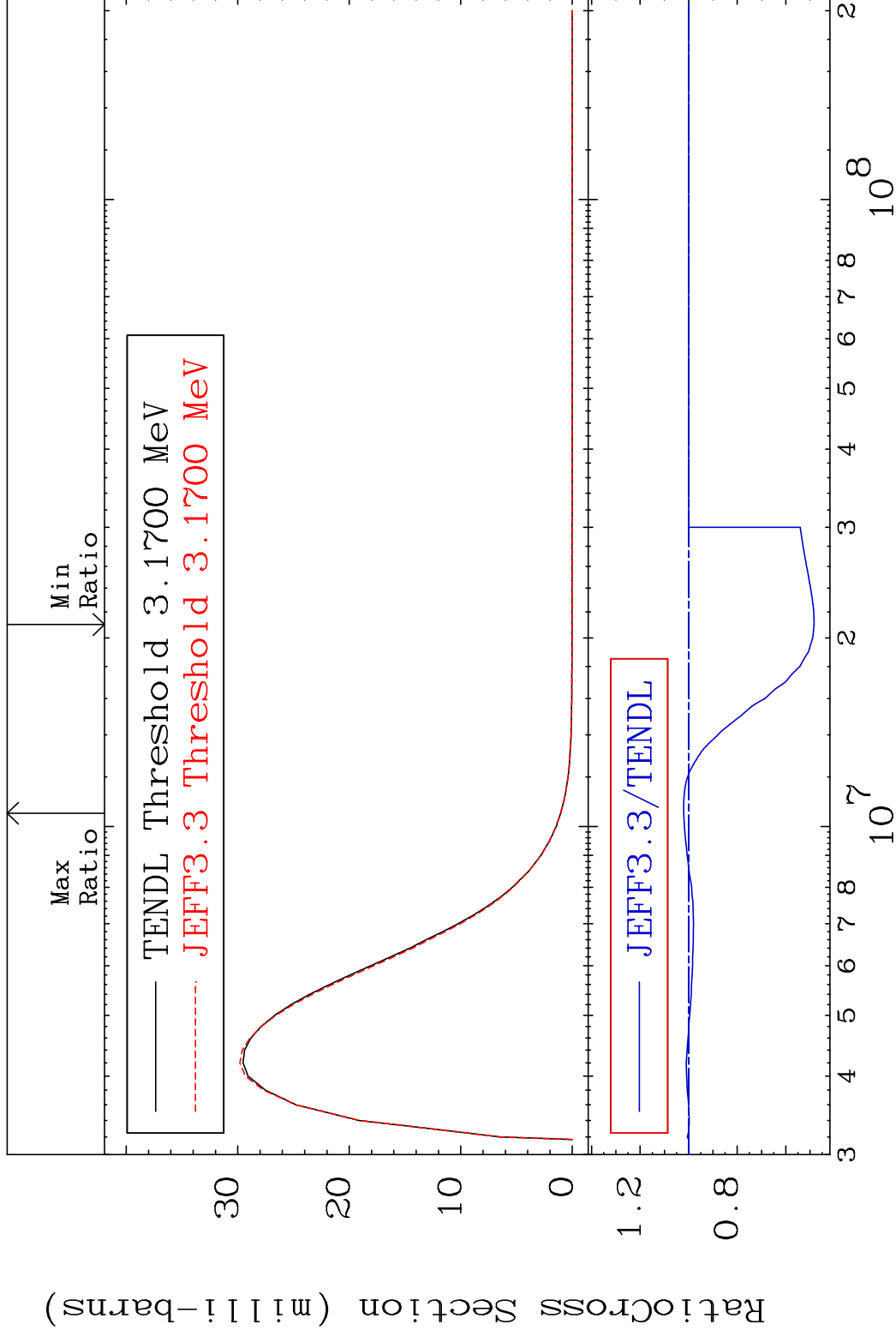


MAT 1834

MT= 66 (n, n') Level

18-Ar-39

Cross Section -51.68 To 2.073 %

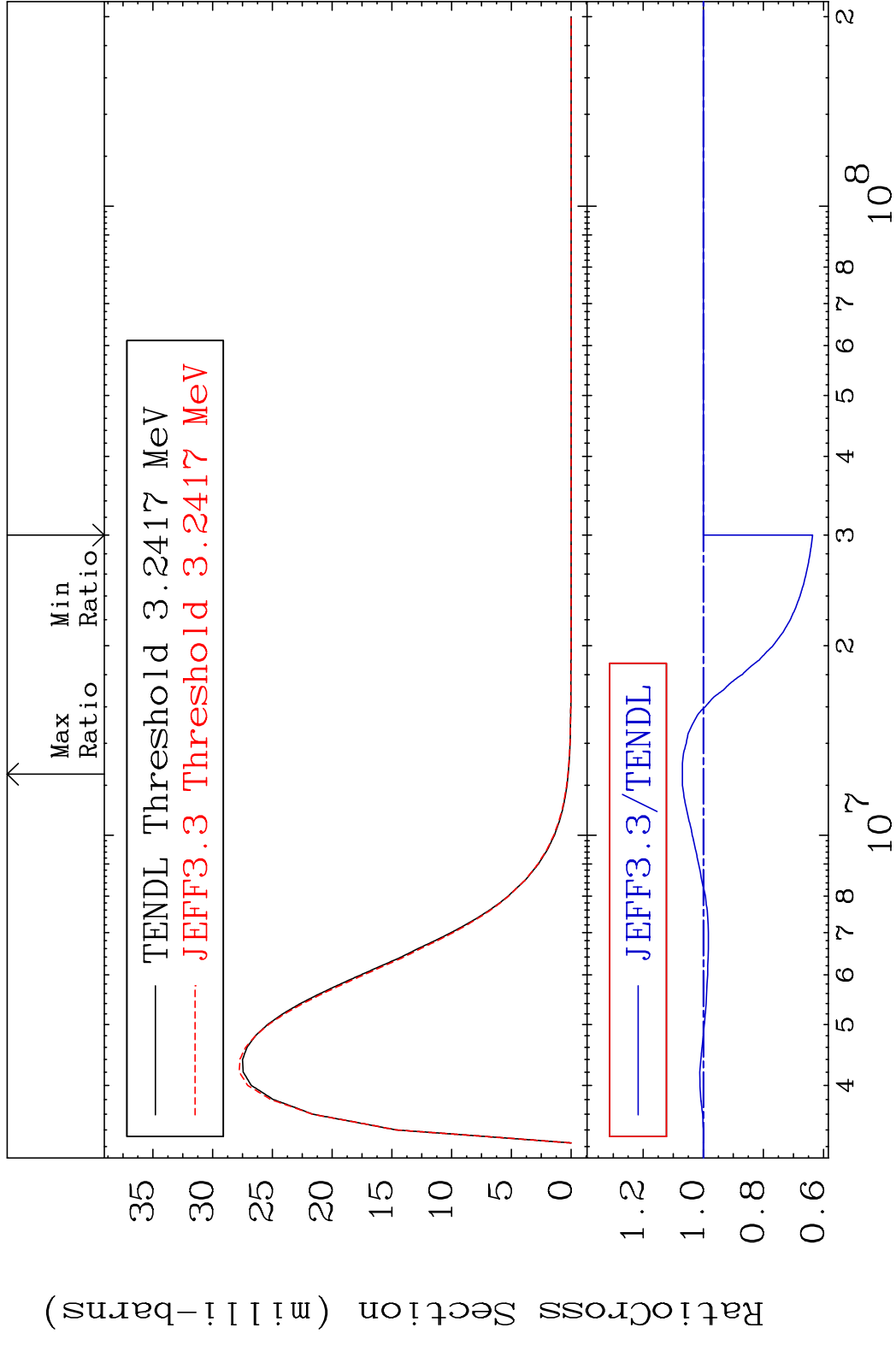


36

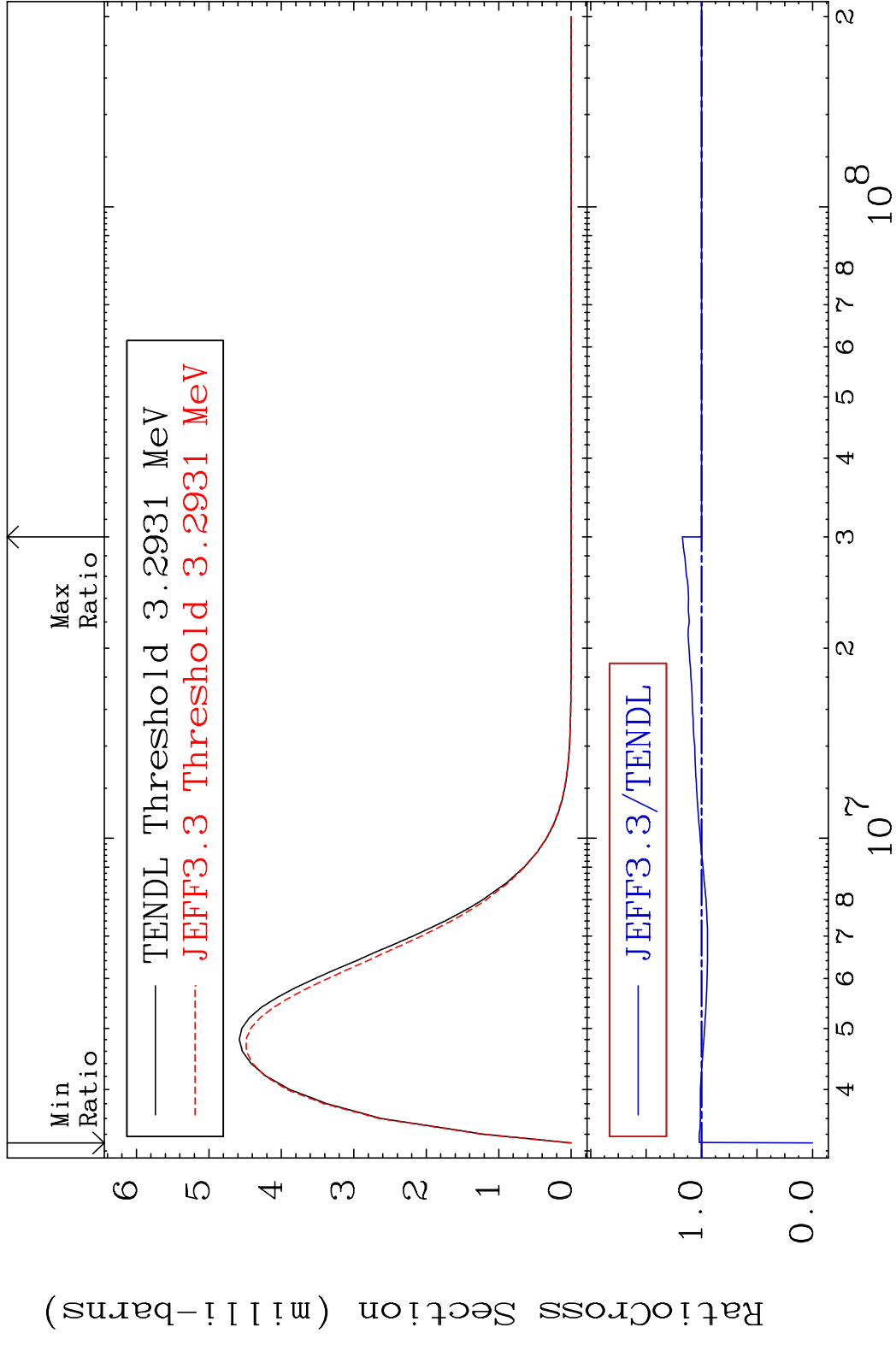
Incident Energy (eV)

18-Ar-39

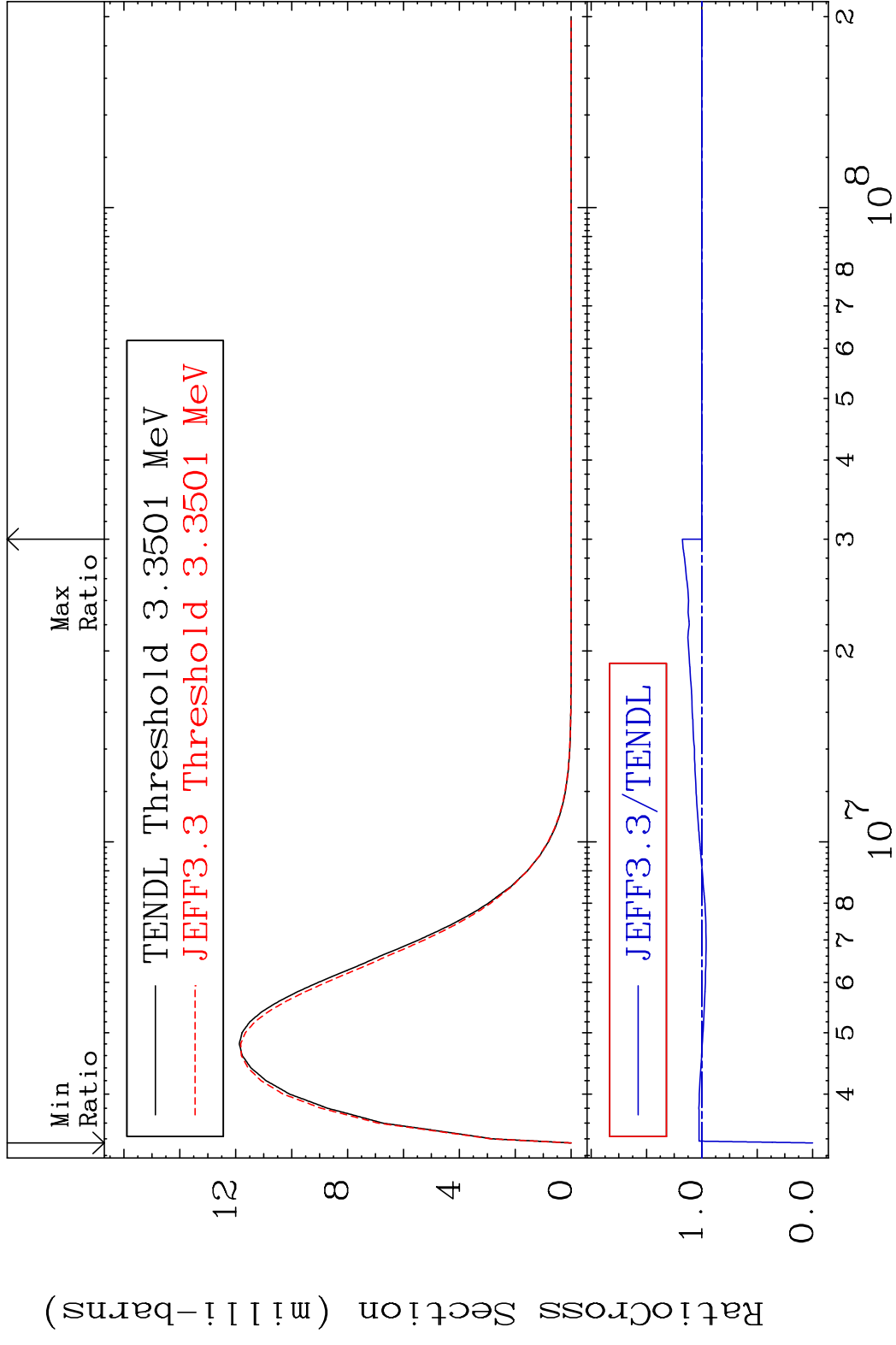
MAT 1834 MT= 67 (n, n') Level 18-Ar-39
 Cross Section -36.36 To 6.976 %



MAT 1834 MT= 68 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 17.33 %



MAT 1834 MT= 69 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 17.63 %

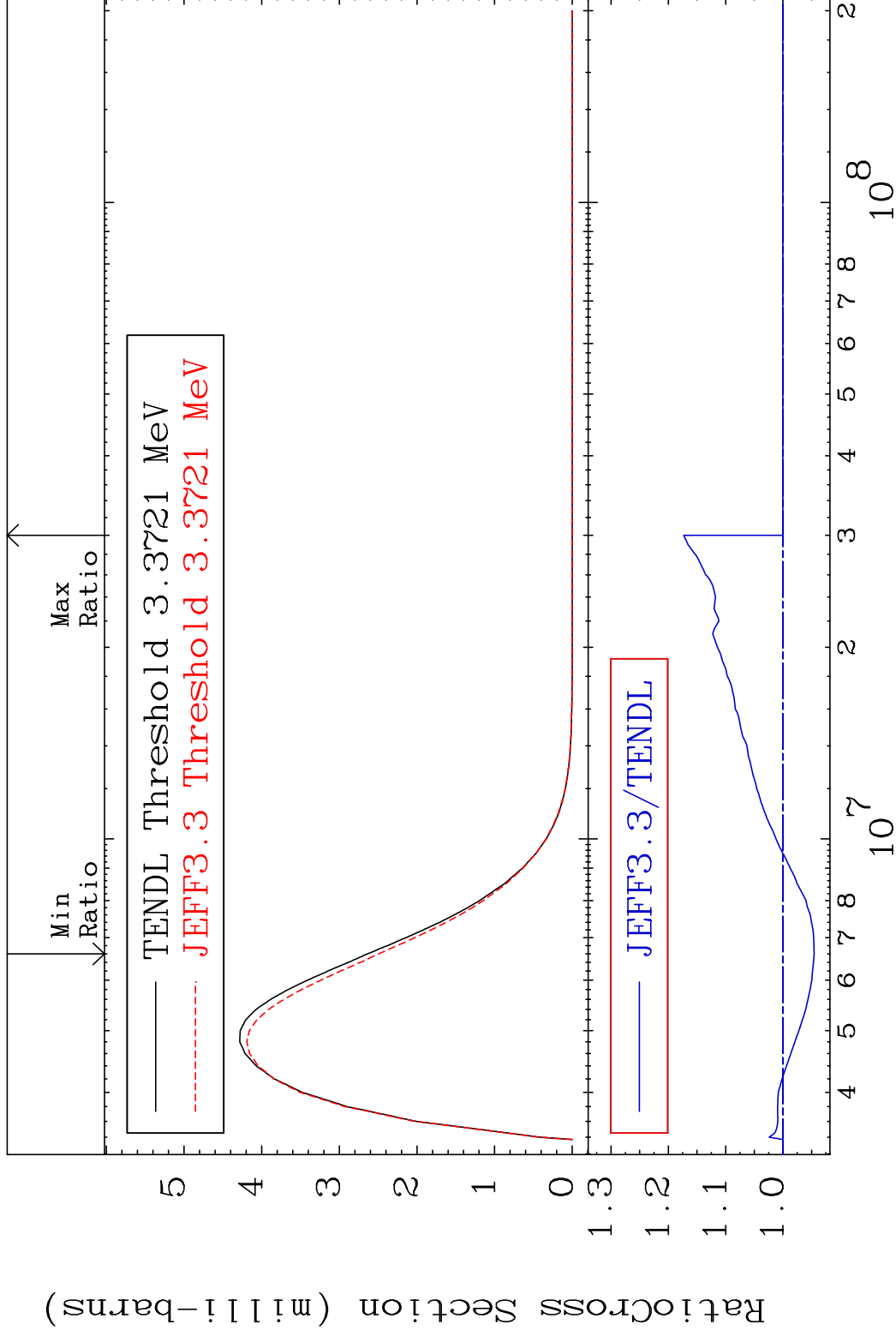


MAT 1834

MT= 70 (n, n') Level

18-Ar-39

Cross Section -5.449 To 17.33 %

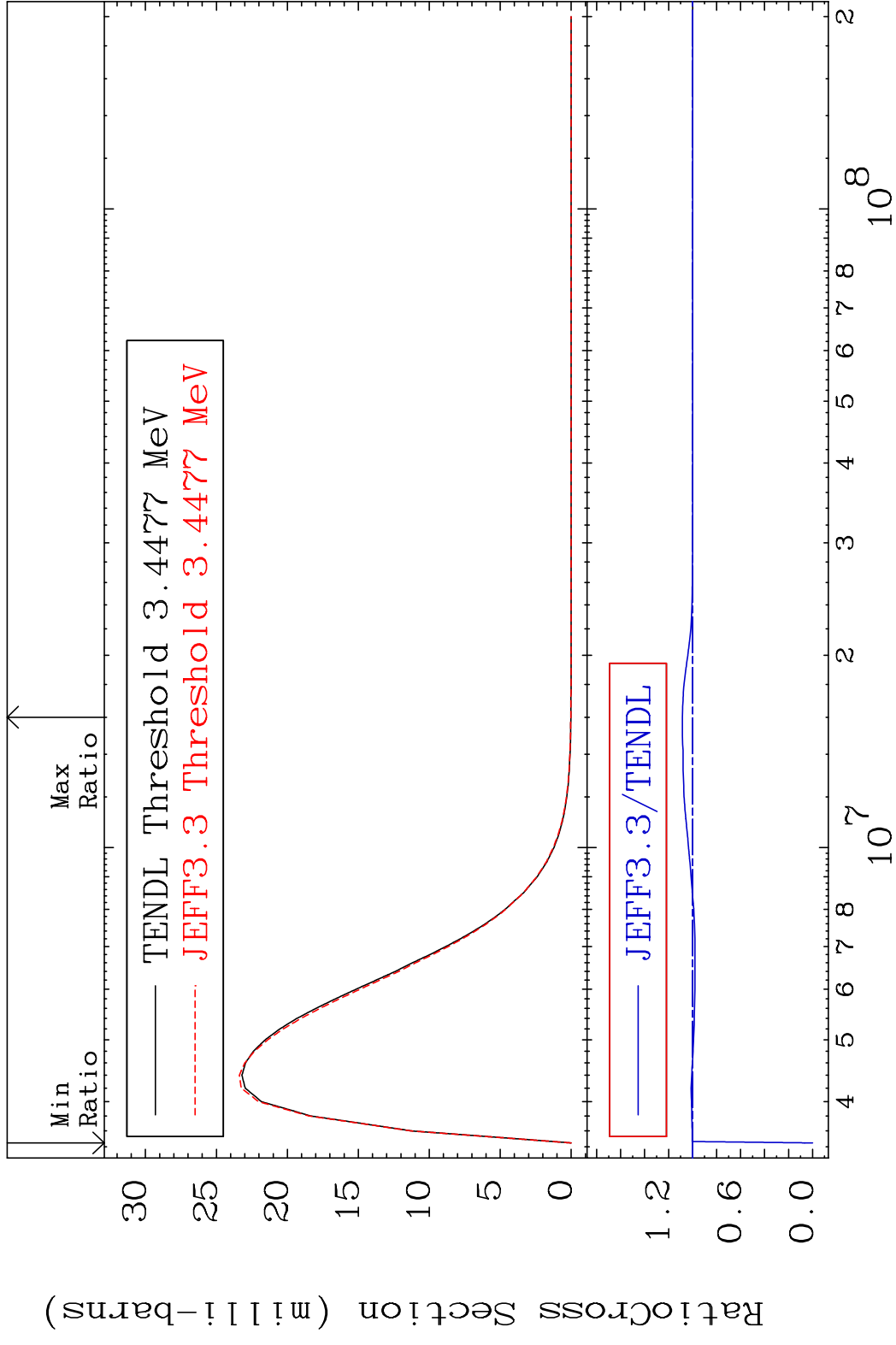


40

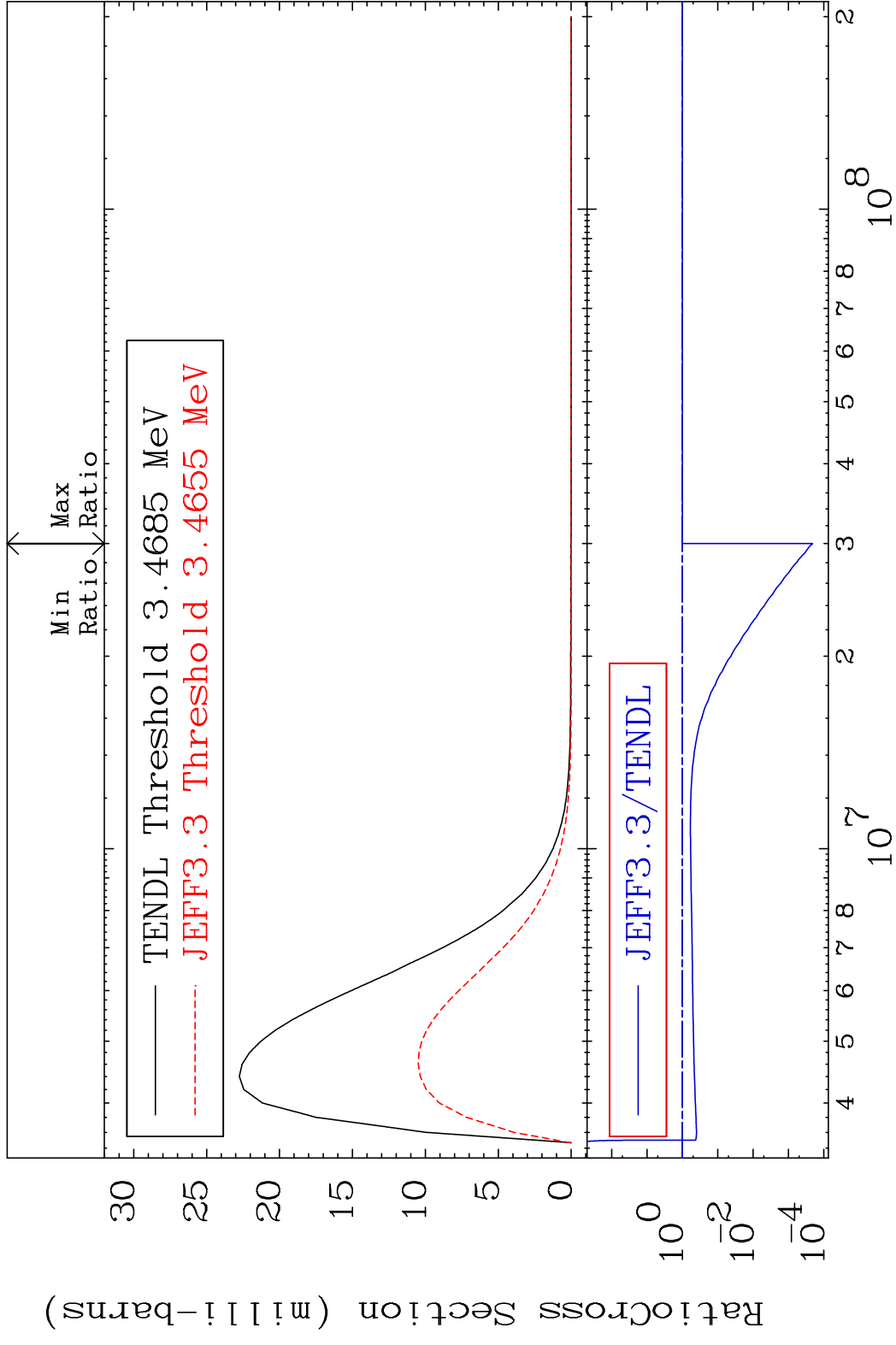
Incident Energy (eV)

18-Ar-39

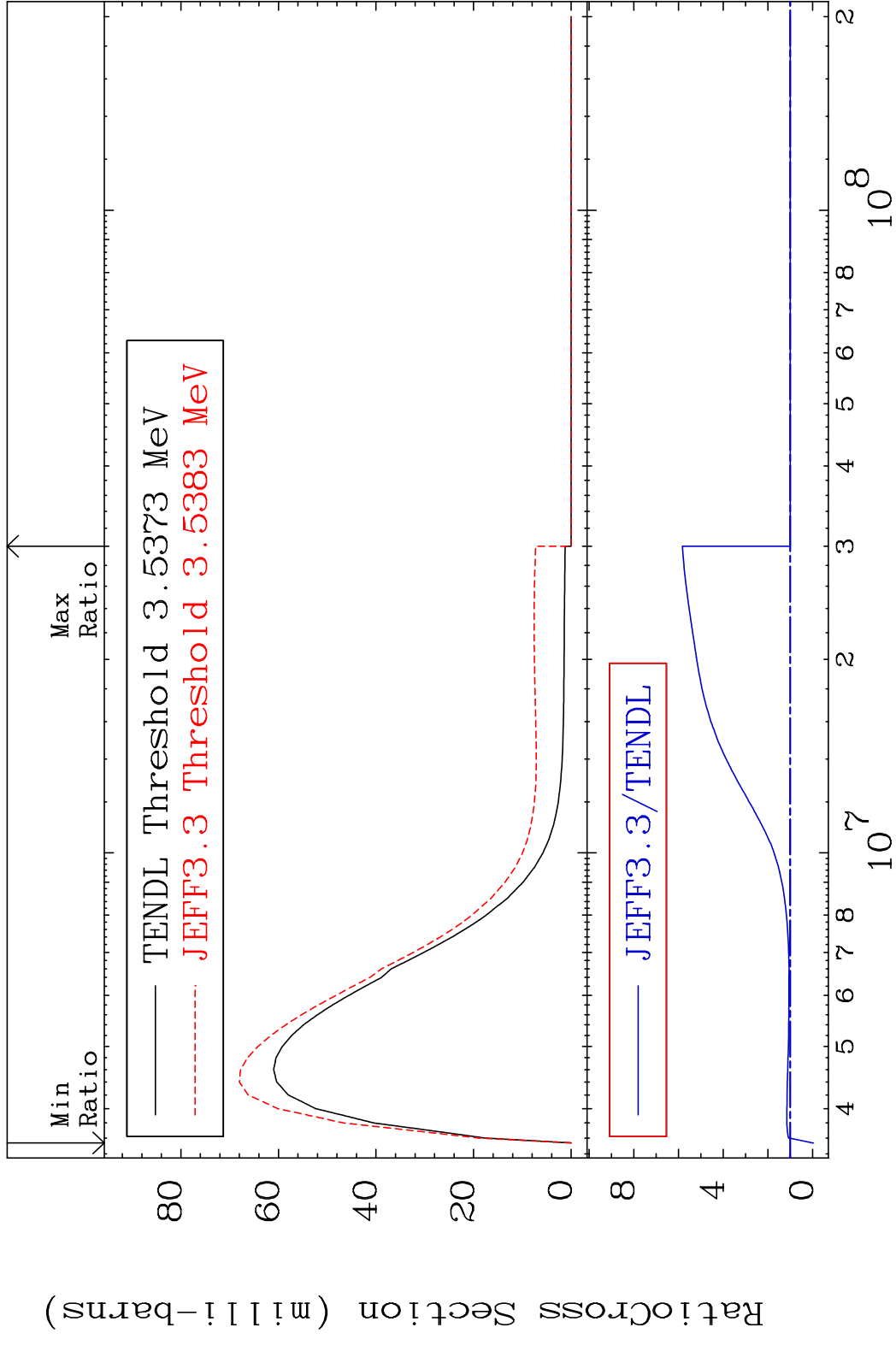
MAT 1834 MT= 71 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 8.549 %



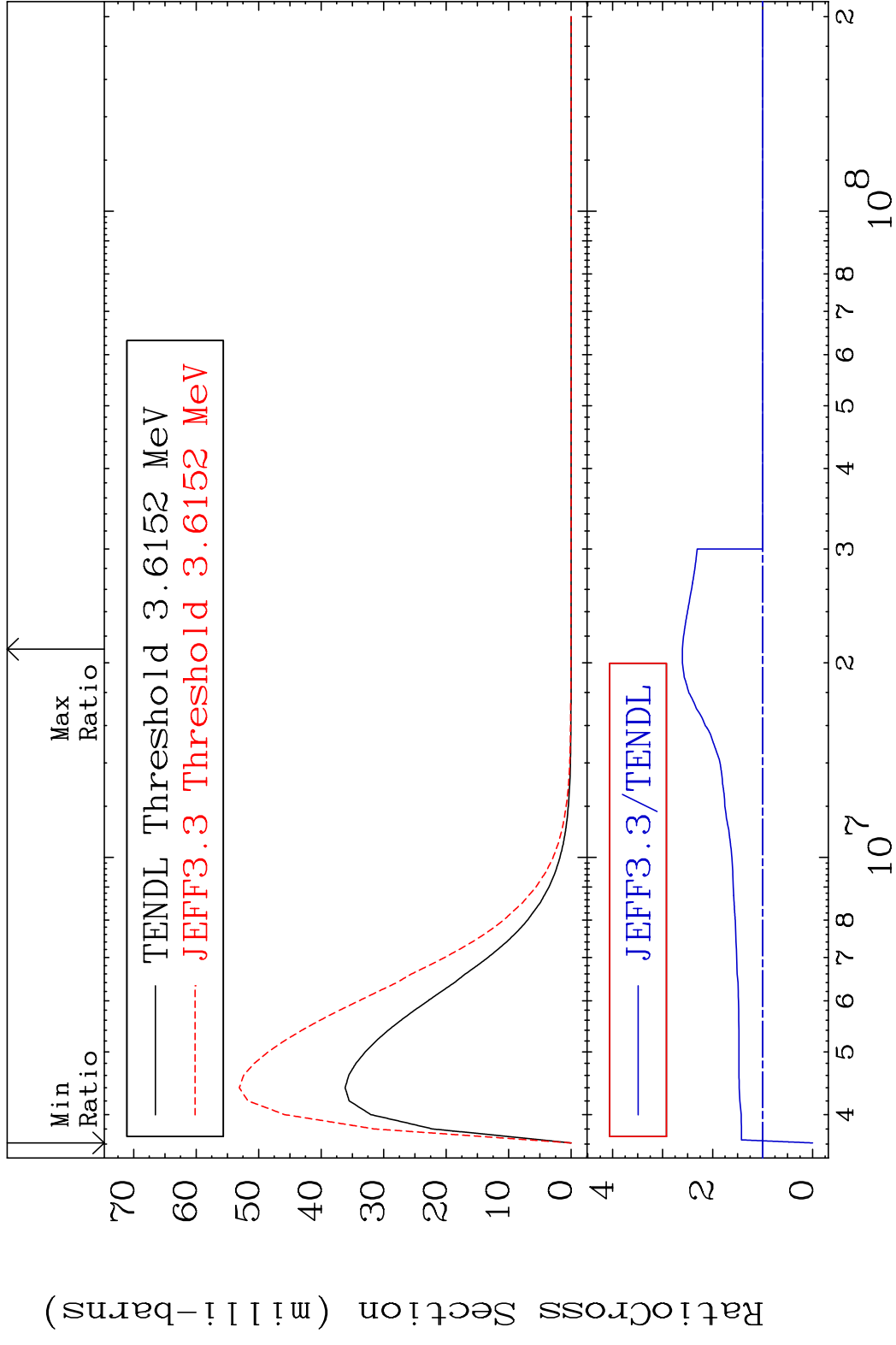
MAT 1834 MT= 72 (n,n') Level 18-Ar-39
 Cross Section -99.98 To 0.000 %



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



MAT 1834 MT= 74 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 160.6 %

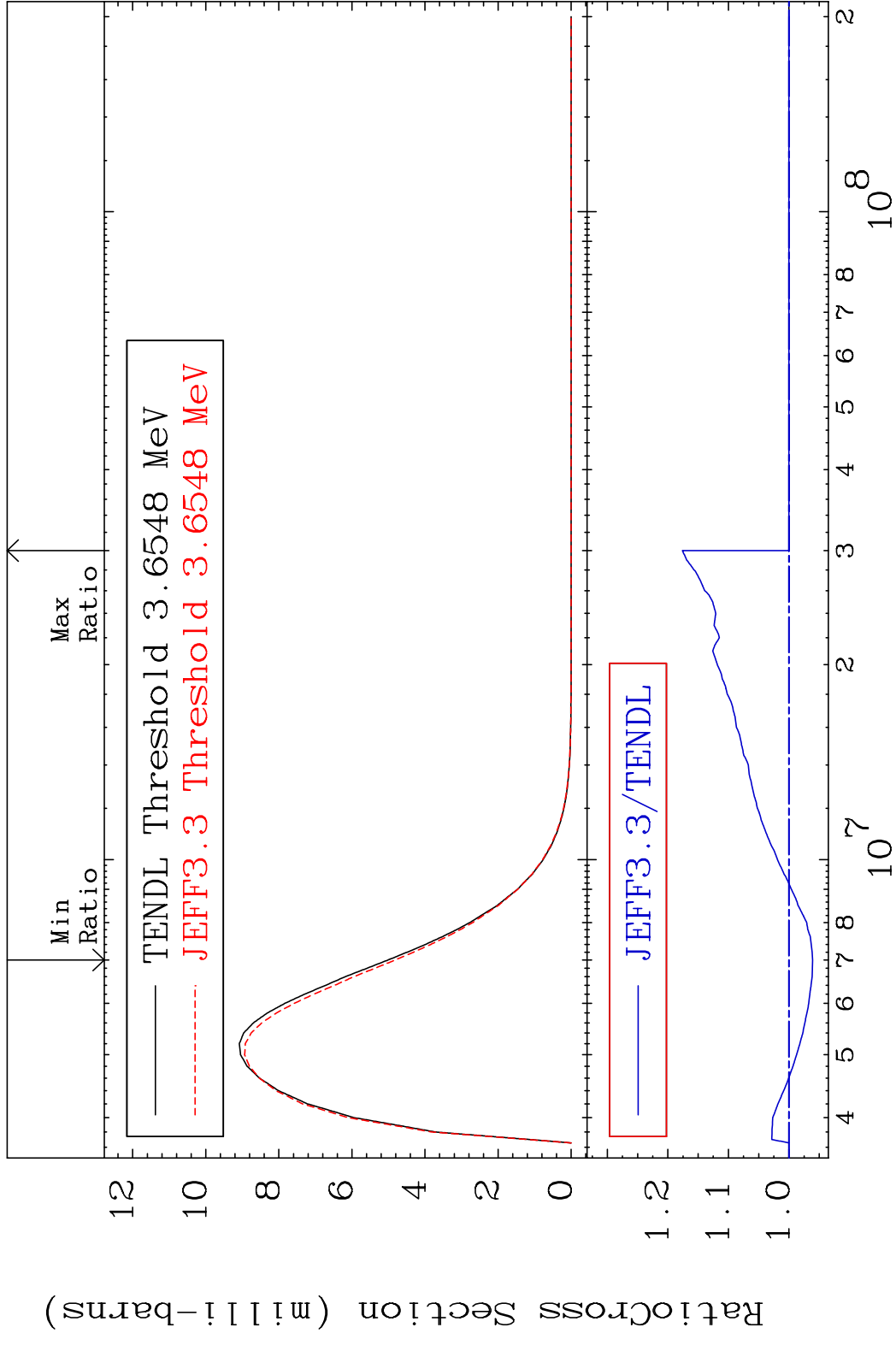


MAT 1834

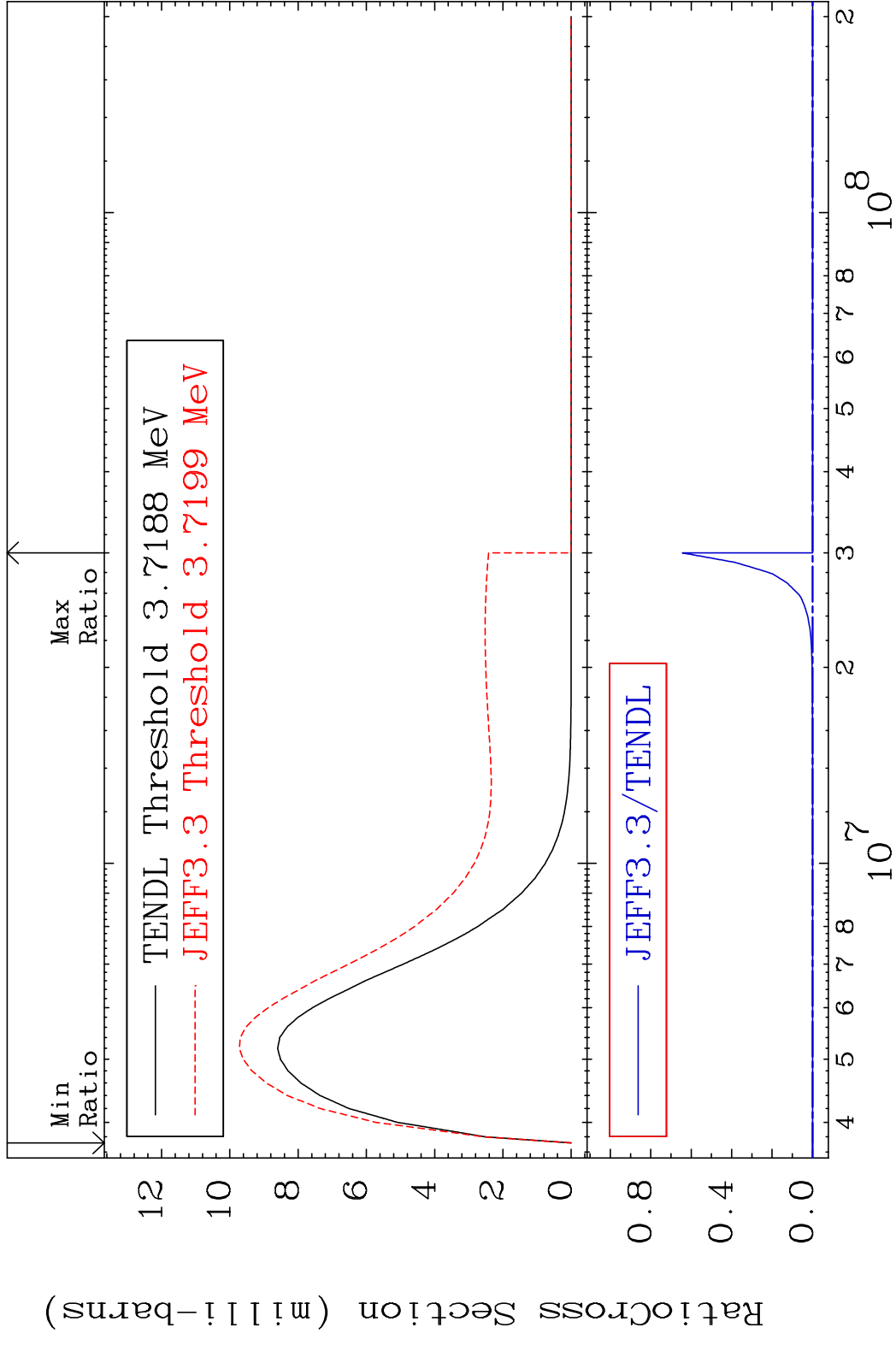
MT= 75 (n, n') Level

18-Ar-39

Cross Section -3.902 To 17.61 %



MAT 1834 MT= 76 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 9999. %

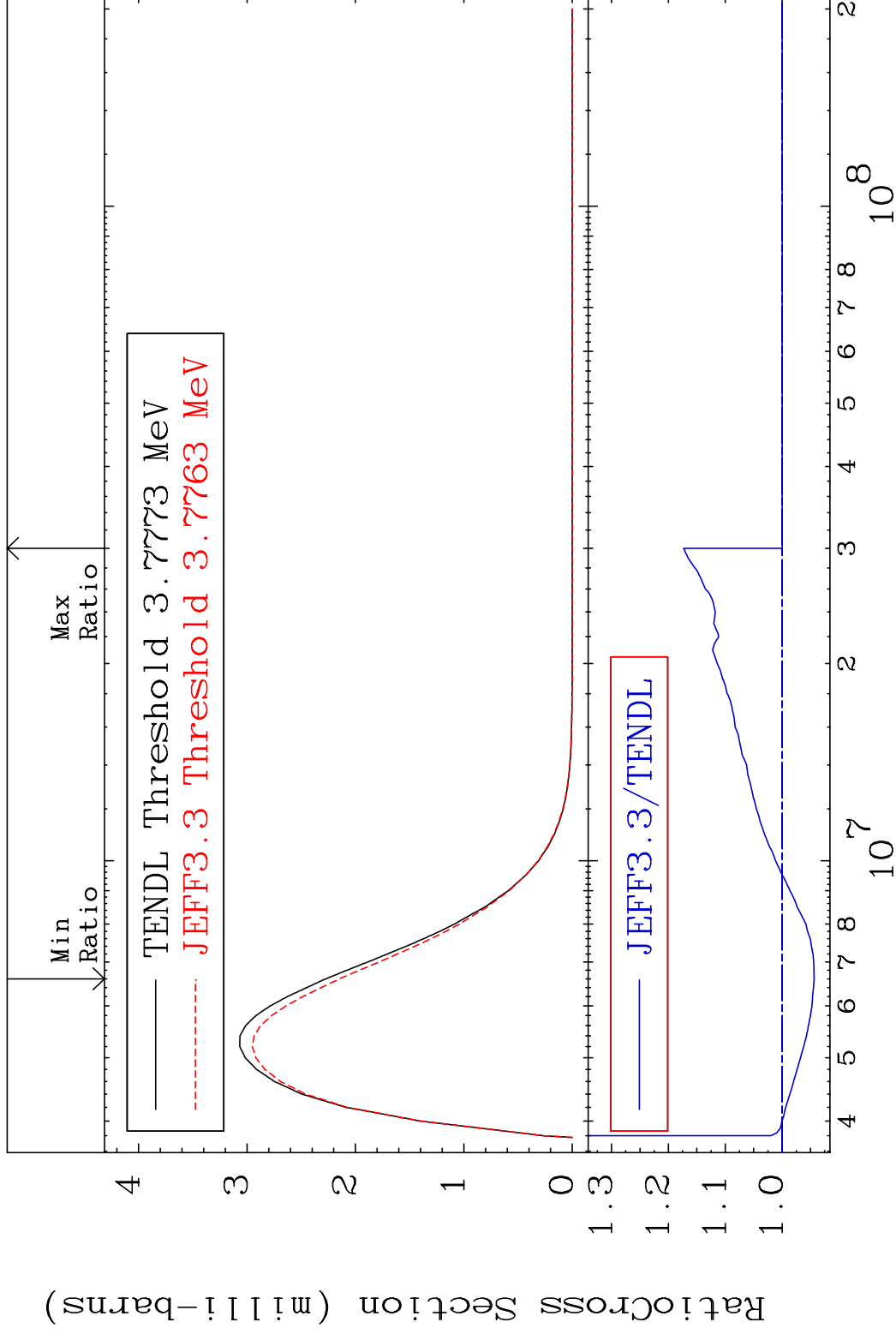


MAT 1834

MT= 77 (n, n') Level

18-Ar-39

Cross Section -5.628 To 17.31 %

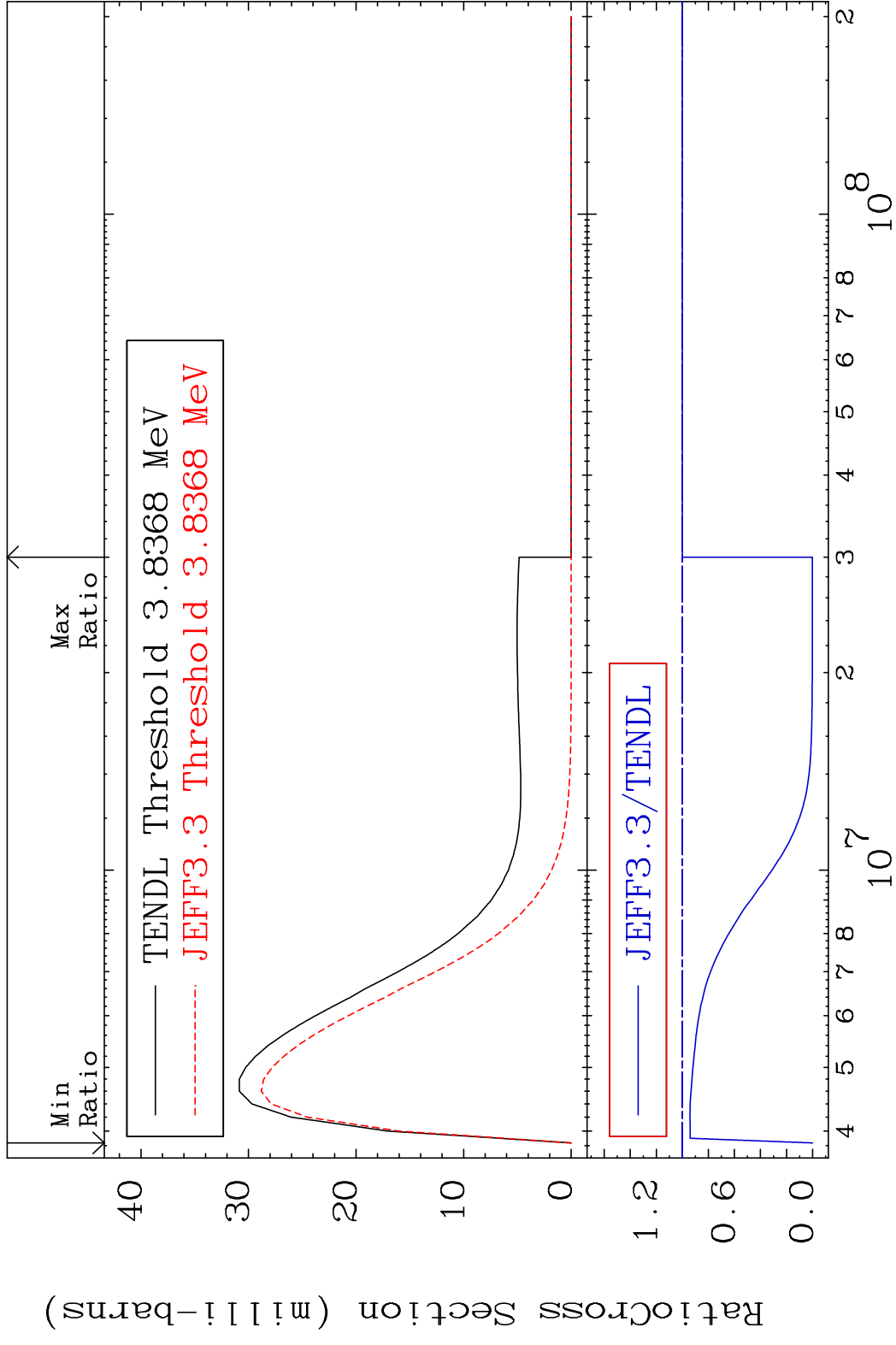


47

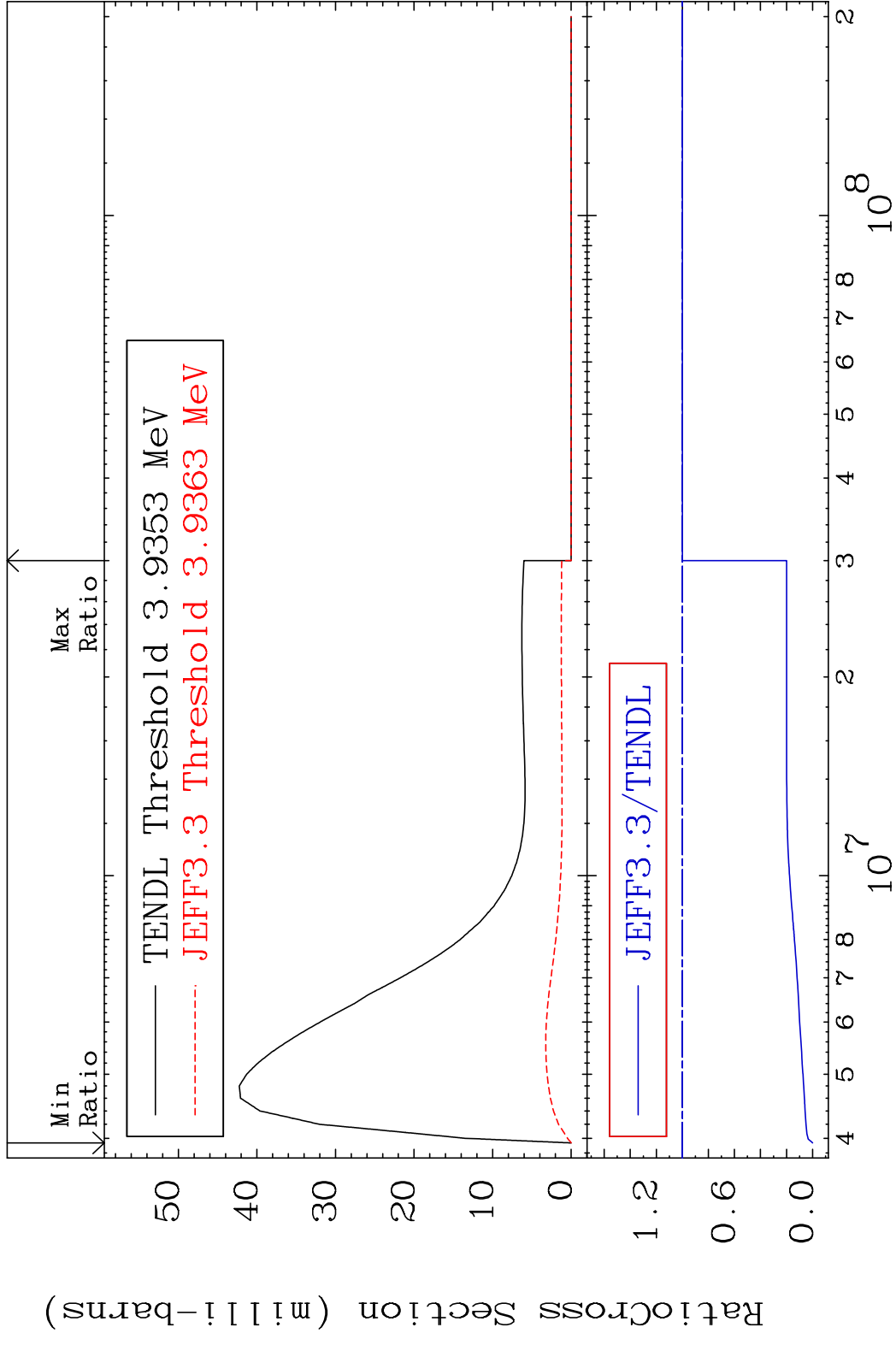
Incident Energy (eV)

18-Ar-39

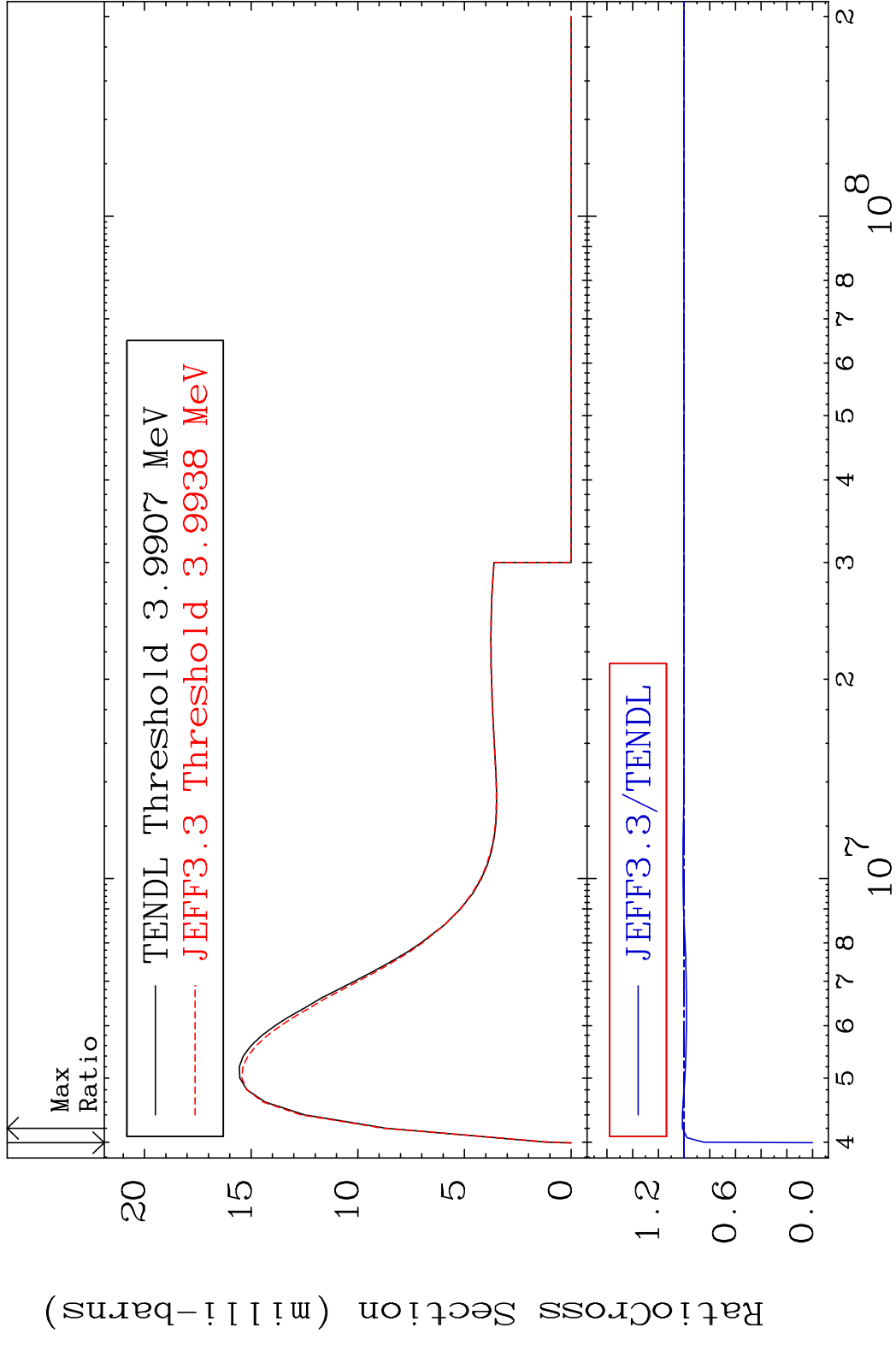
MAT 1834 MT= 78 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 0.000 %



MAT 1834 MT= 79 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 0.000 %



MAT 1834 MT= 80 (n, n') Level 18-Ar-39
 Cross Section -100.0 To 1.325 %

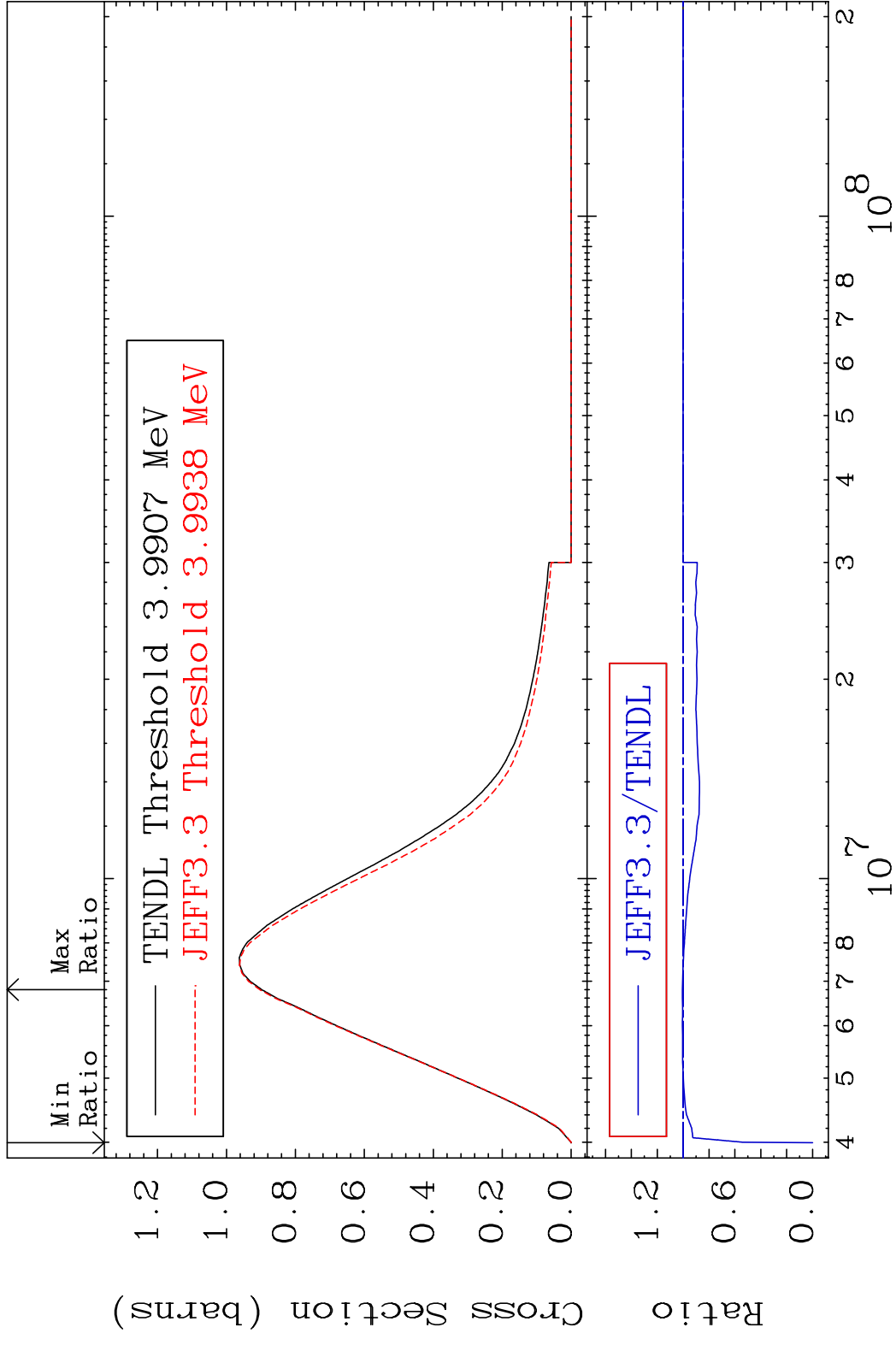


MAT 1834

(n, n') Continuum

18-Ar-39

Cross Section -100.0 To 0.604 %

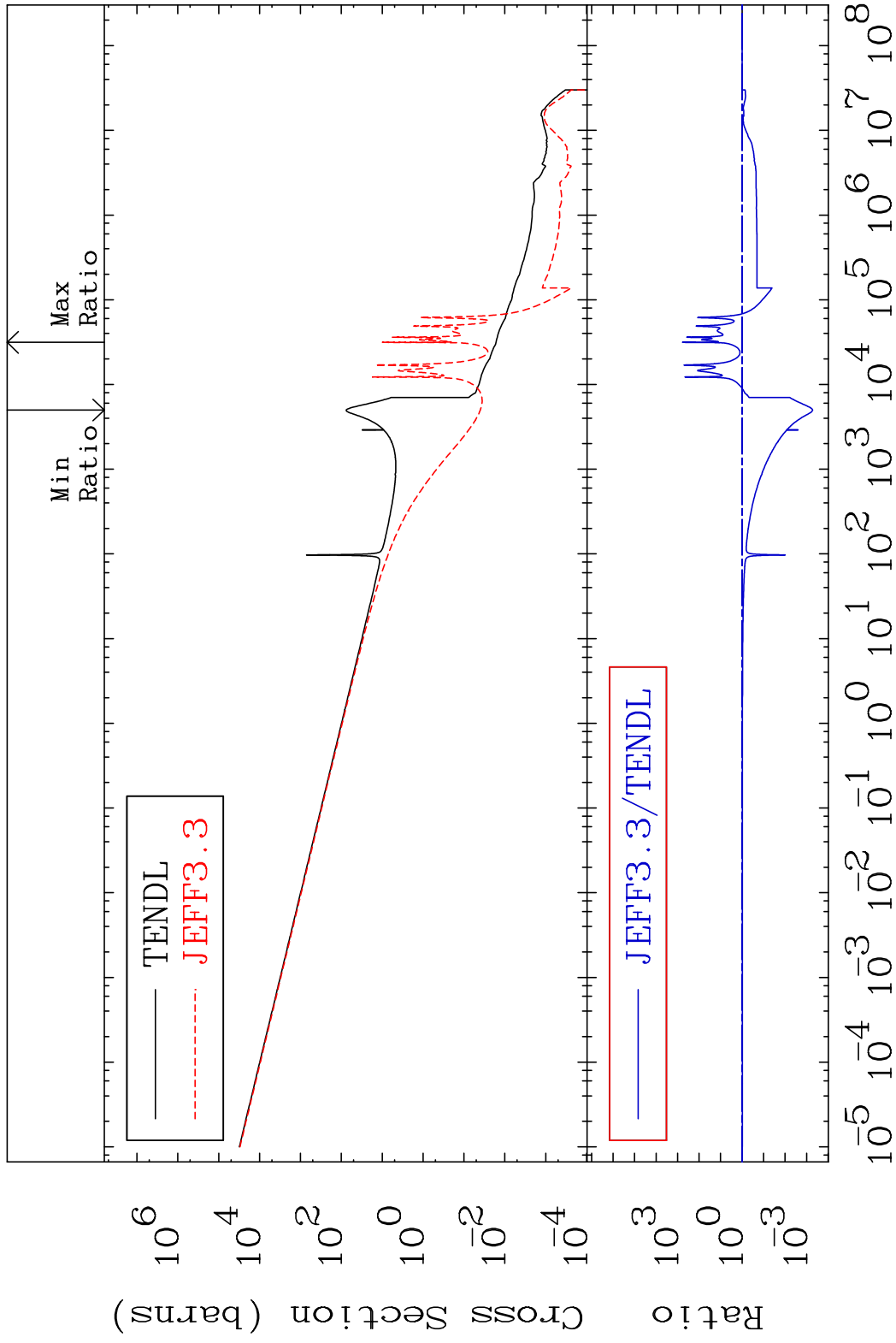


MAT 1834

(n, γ)

18-Ar-39

Cross Section -99.95 To 9999. %

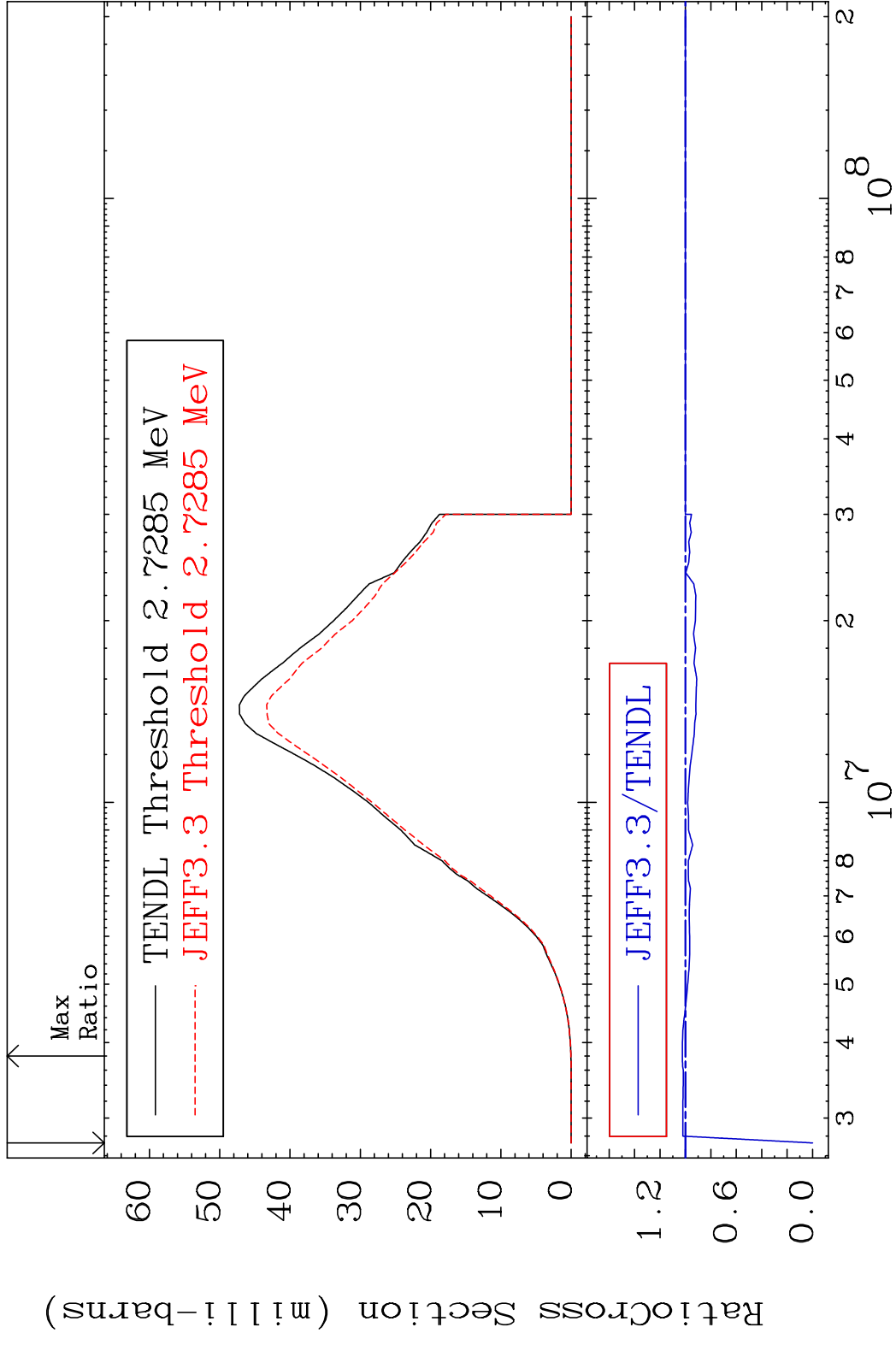


52

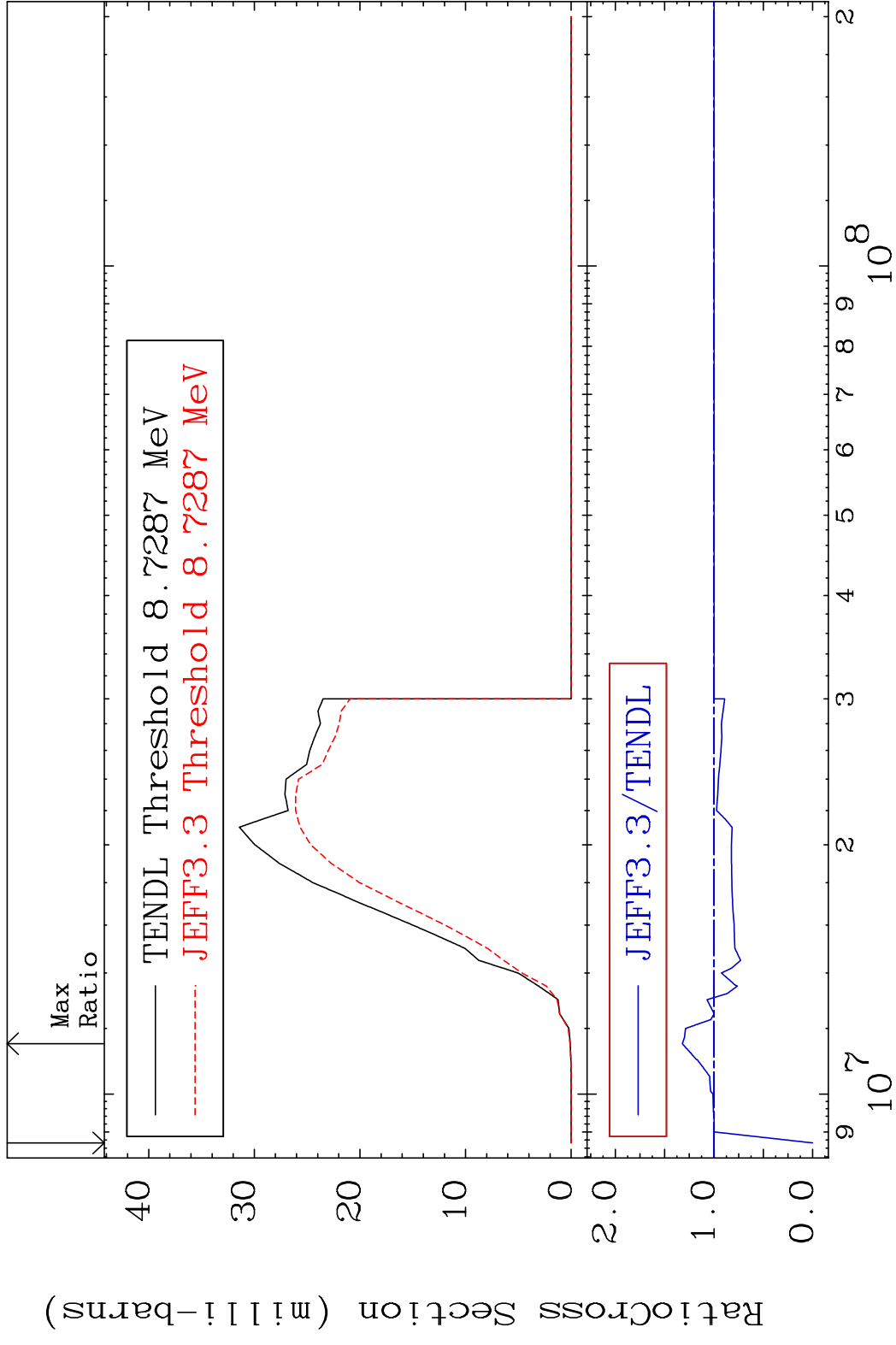
Incident Energy (eV)

18-Ar-39

MAT 1834 (n,p) 18-Ar-39
 Cross Section -100.0 To 2.419 %



MAT 1834 (n,d) 18-Ar-39
 Cross Section -100.0 To 32.08 %

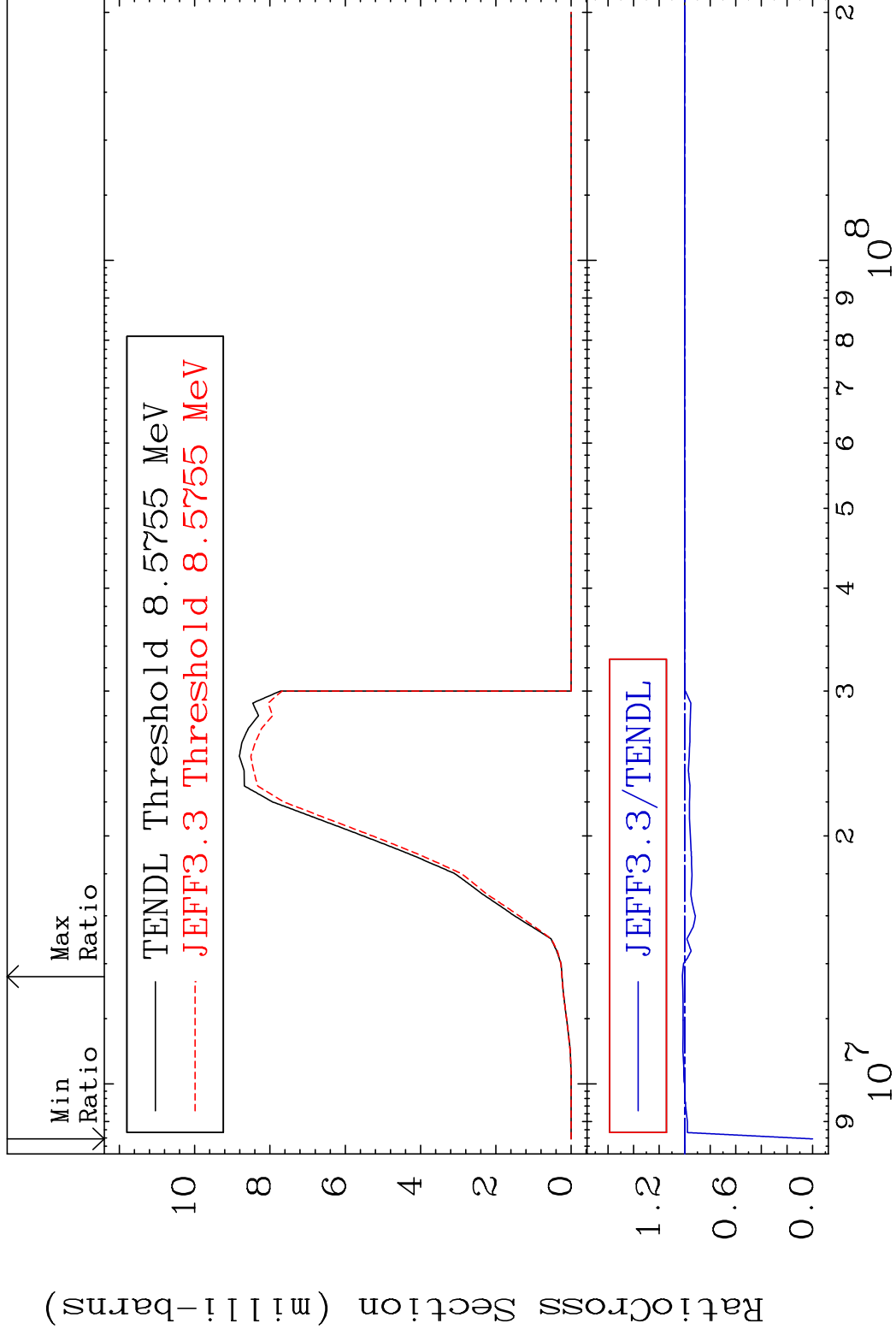


MAT 1834

(n, t)

18-Ar-39

Cross Section -100.0 To 1.815 %



55

Incident Energy (eV)

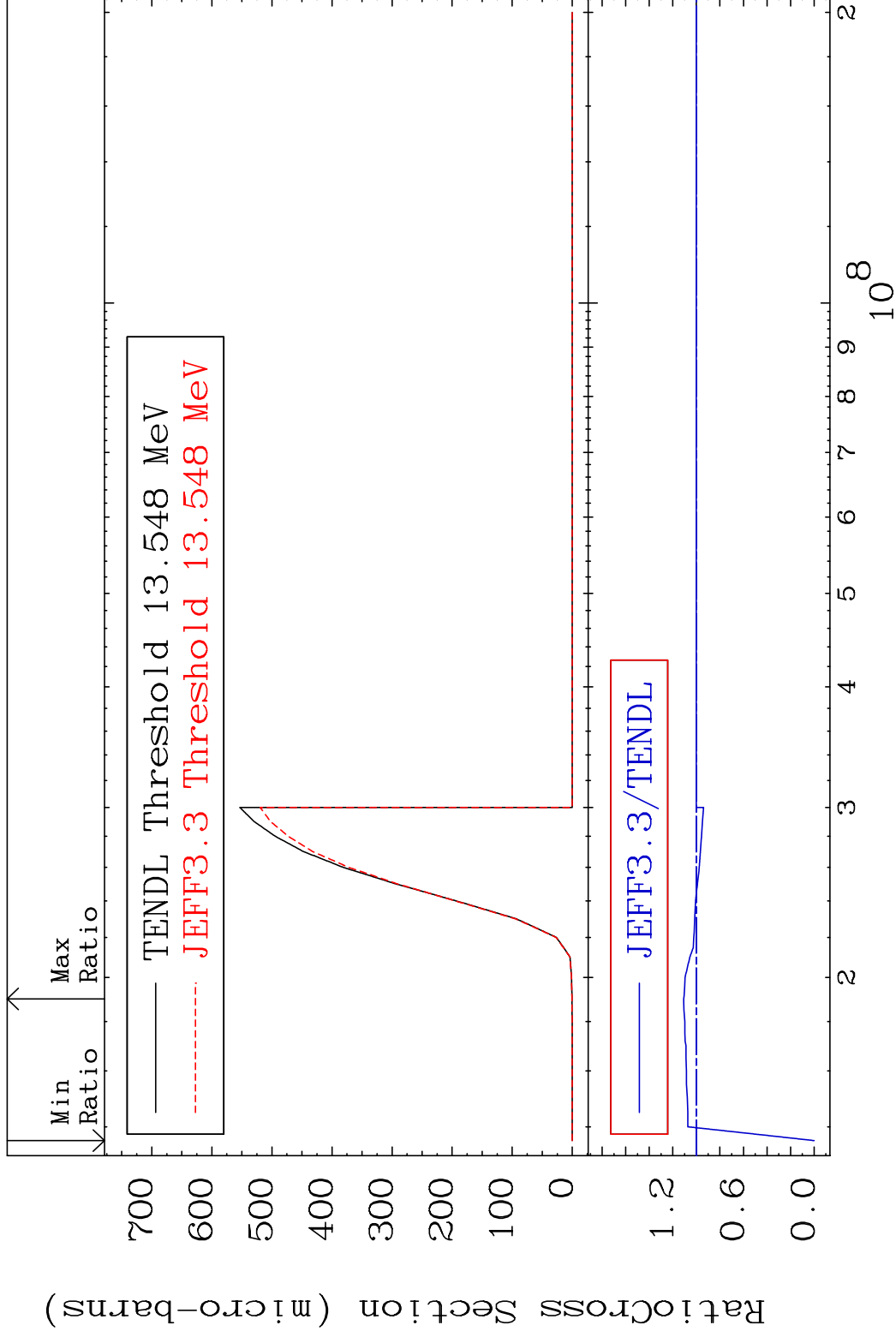
18-Ar-39

MAT 1834

(n, He-3)

18-Ar-39

Cross Section -100.0 To 10.78 %



56

Incident Energy (eV)

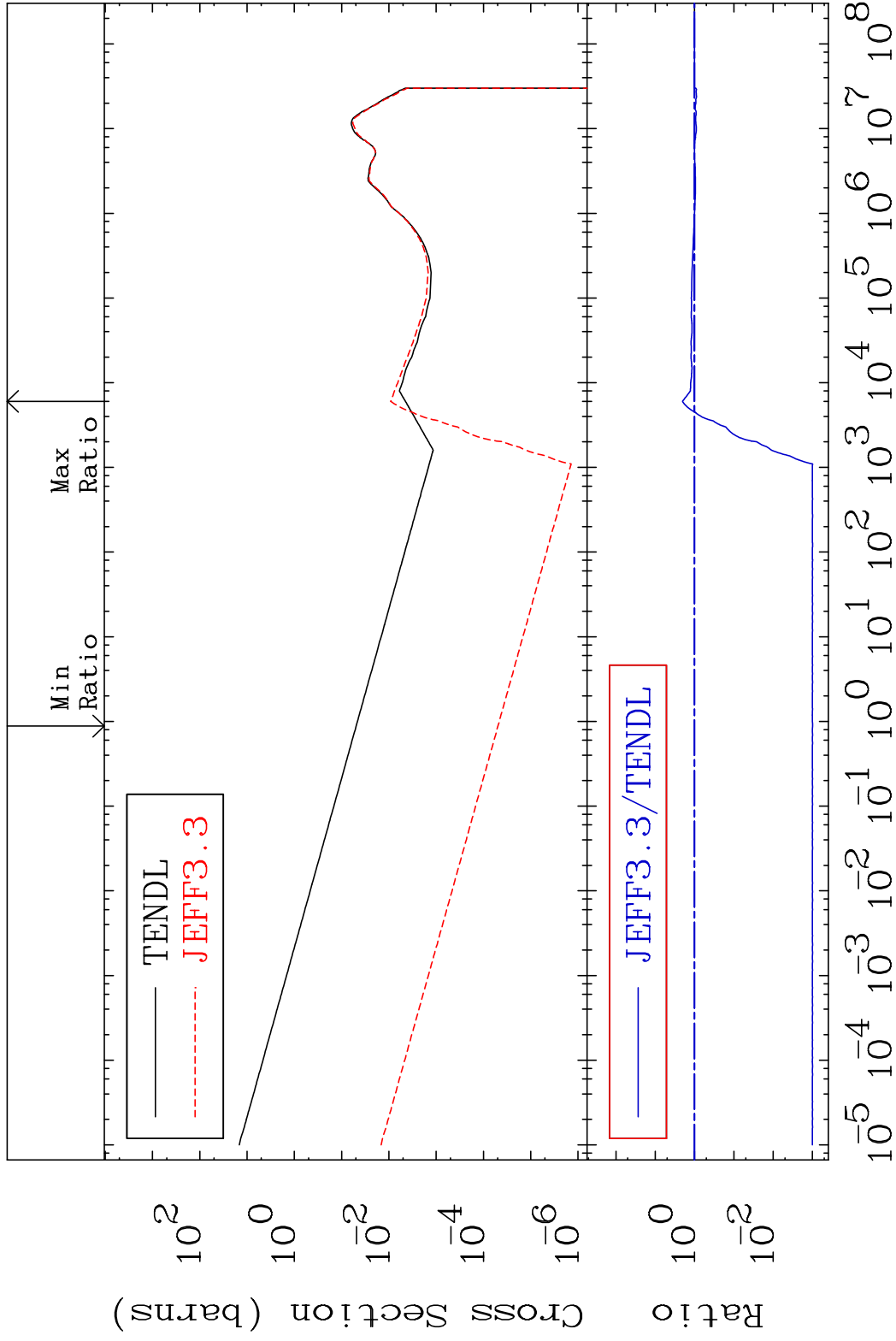
18-Ar-39

MAT 1834

(n, α)

18-Ar-39

Cross Section -99.90 To 104.3 %



57

Incident Energy (eV)

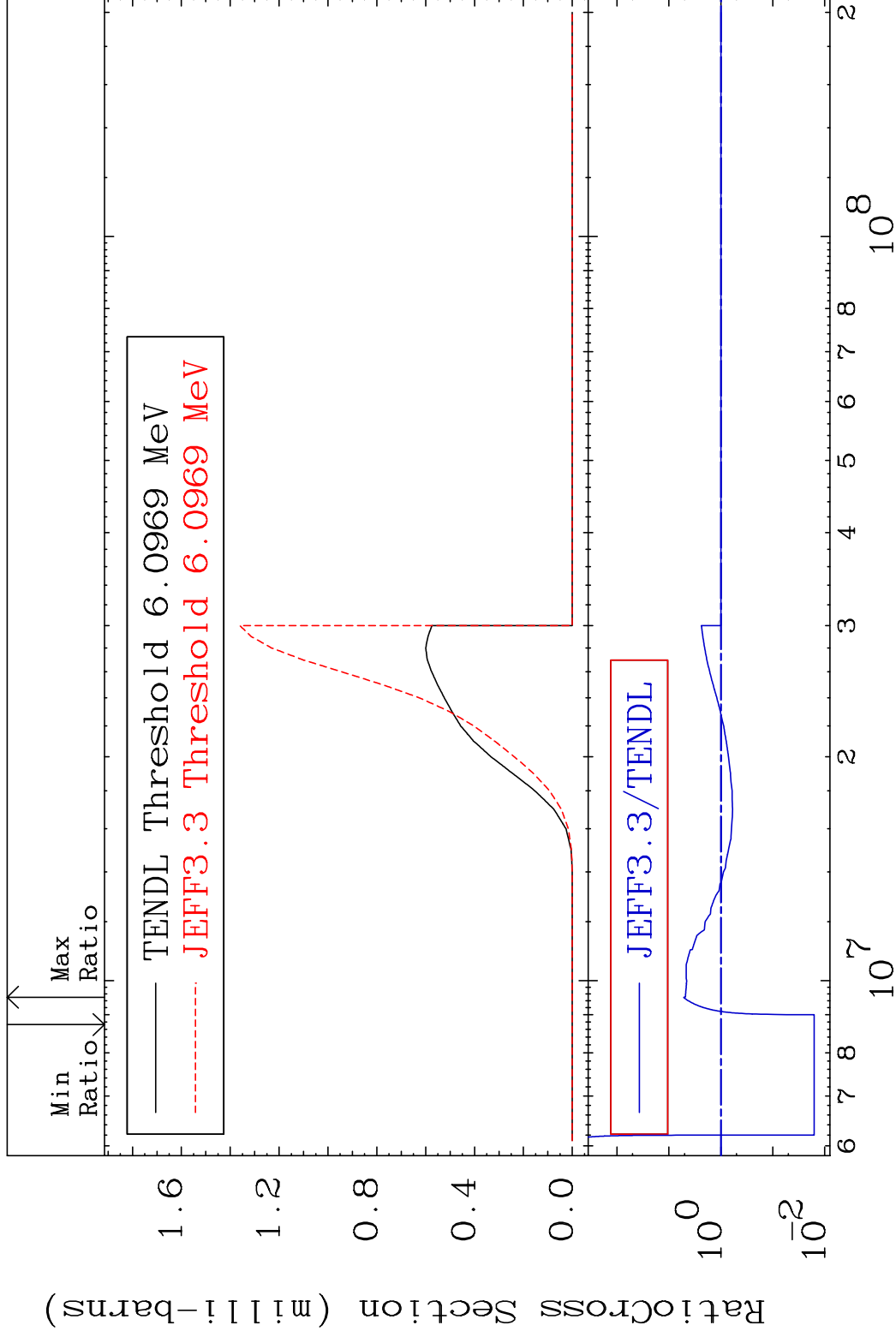
18-Ar-39

MAT 1834

(n,2α)

18-Ar-39

Cross Section -98.40 To 419.9 %

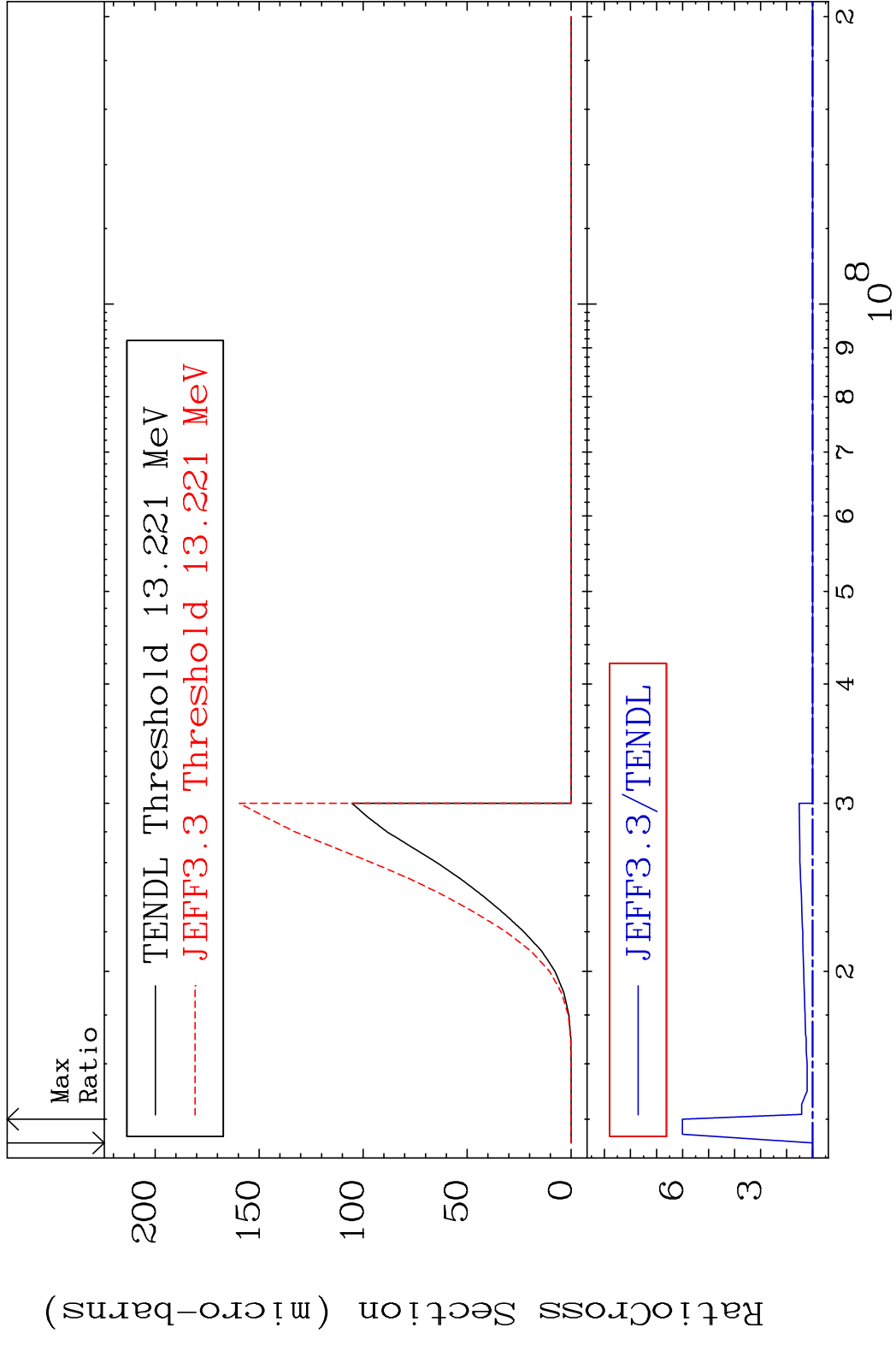


58

Incident Energy (eV)

18-Ar-39

MAT 1834 (n,2p) 18-Ar-39
 Cross Section 0.000 To 500.6 %

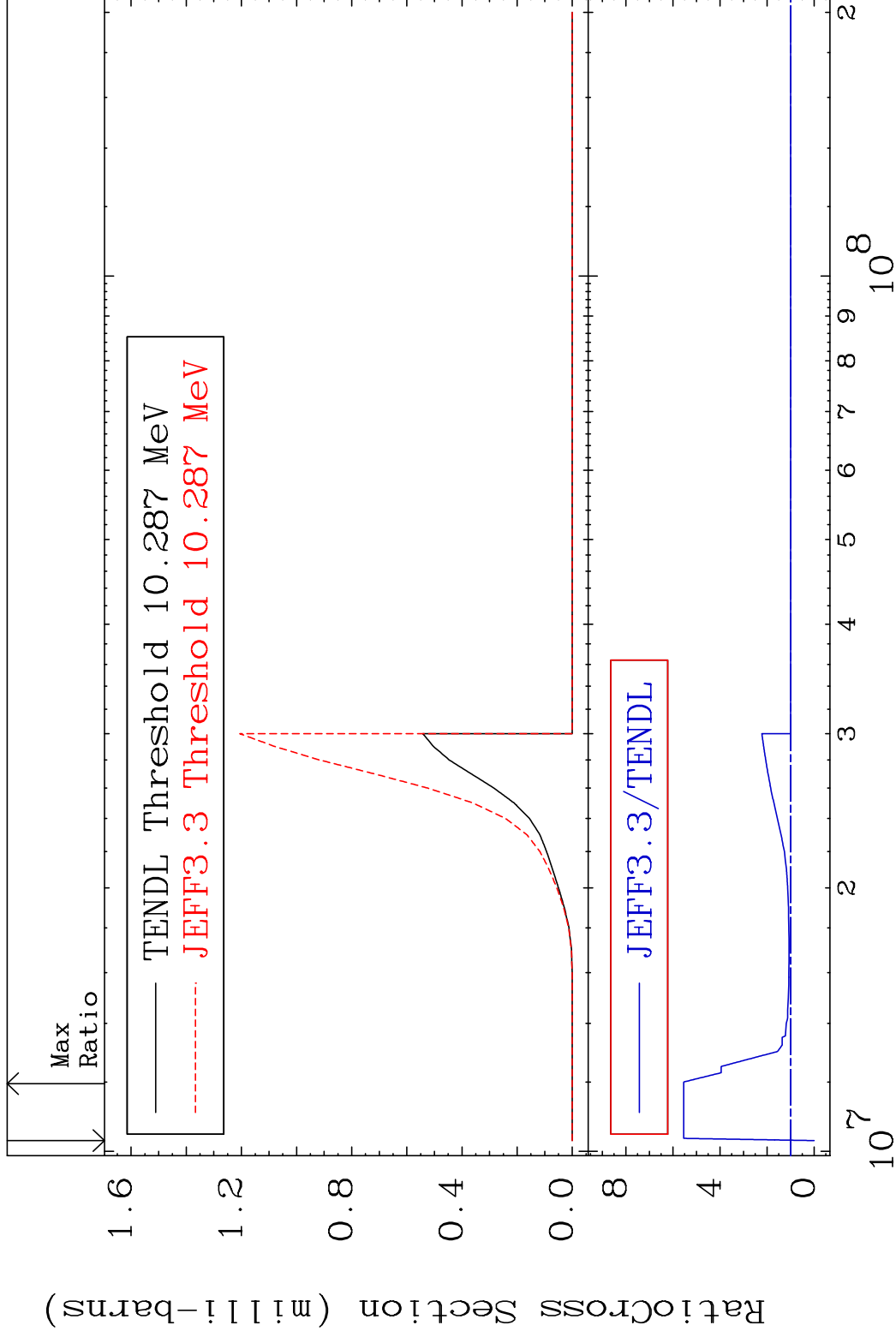


MAT 1834

(n,p) α

18-Ar-39

Cross Section -100.0 To 454.3 %



60

Incident Energy (eV)

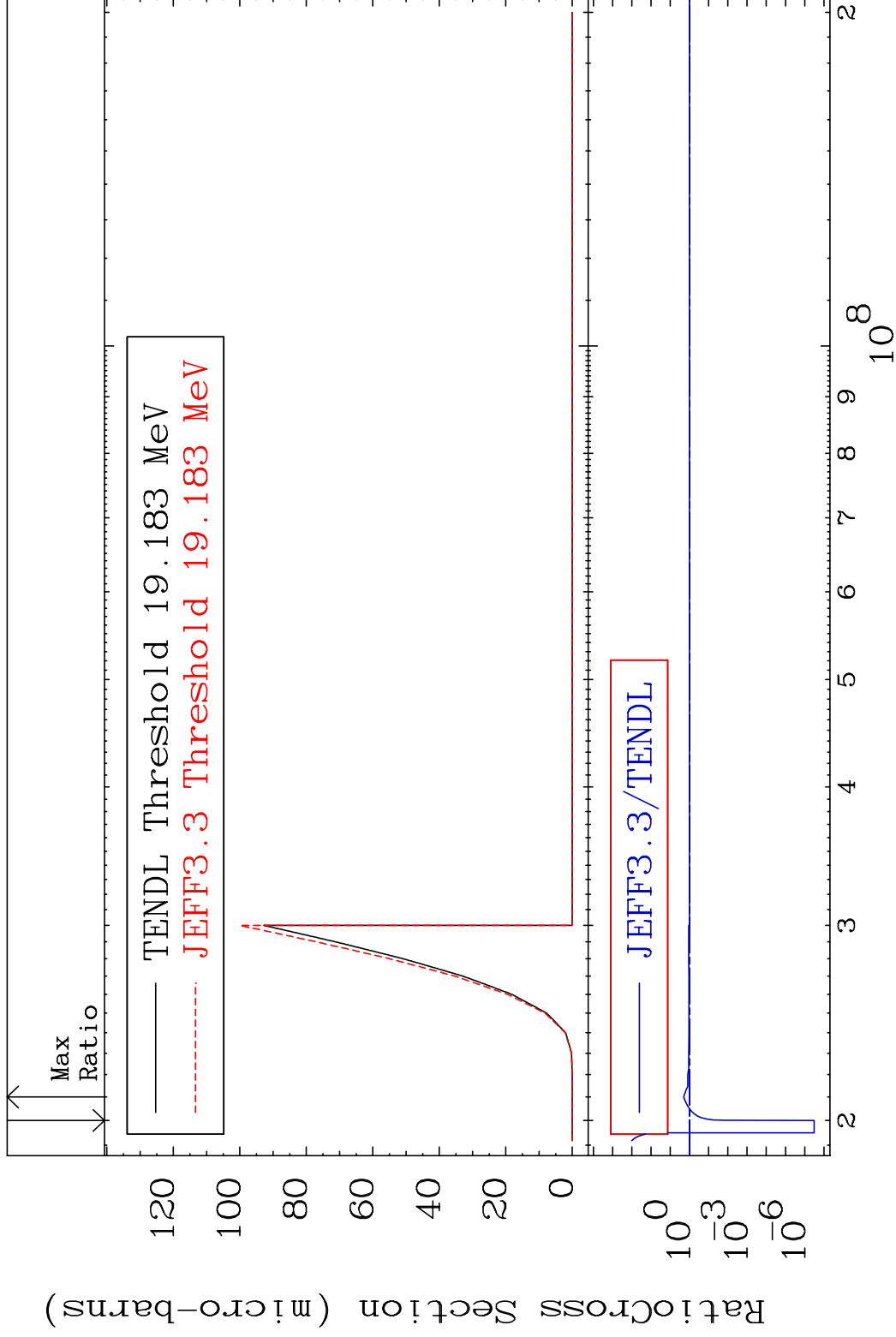
18-Ar-39

MAT 1834

(n,p) d

18-Ar-39

Cross Section -100.0 To 100.2 %



61

Incident Energy (eV)

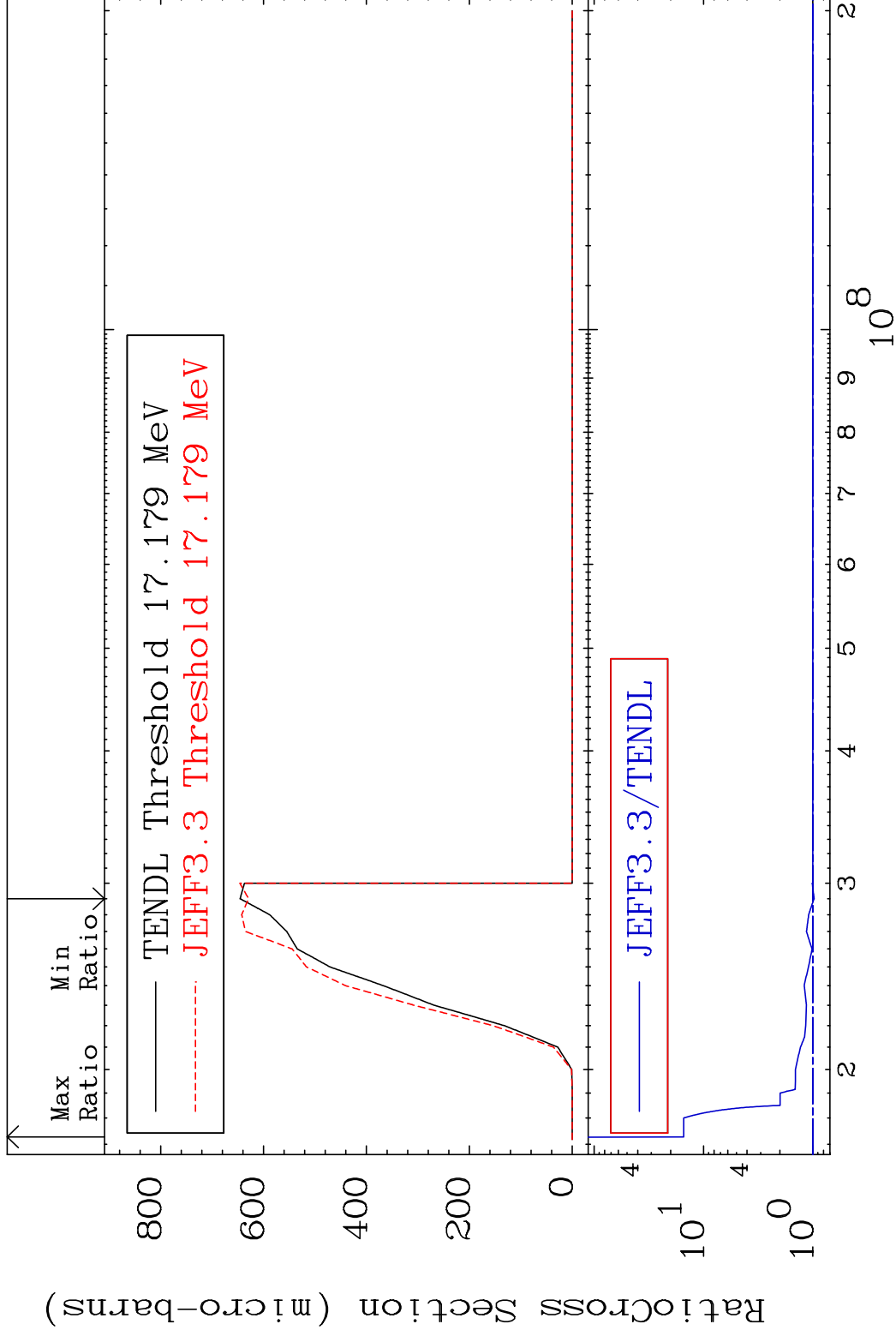
18-Ar-39

MAT 1834

(n,p) t

18-Ar-39

Cross Section -2.562 To 1419. %

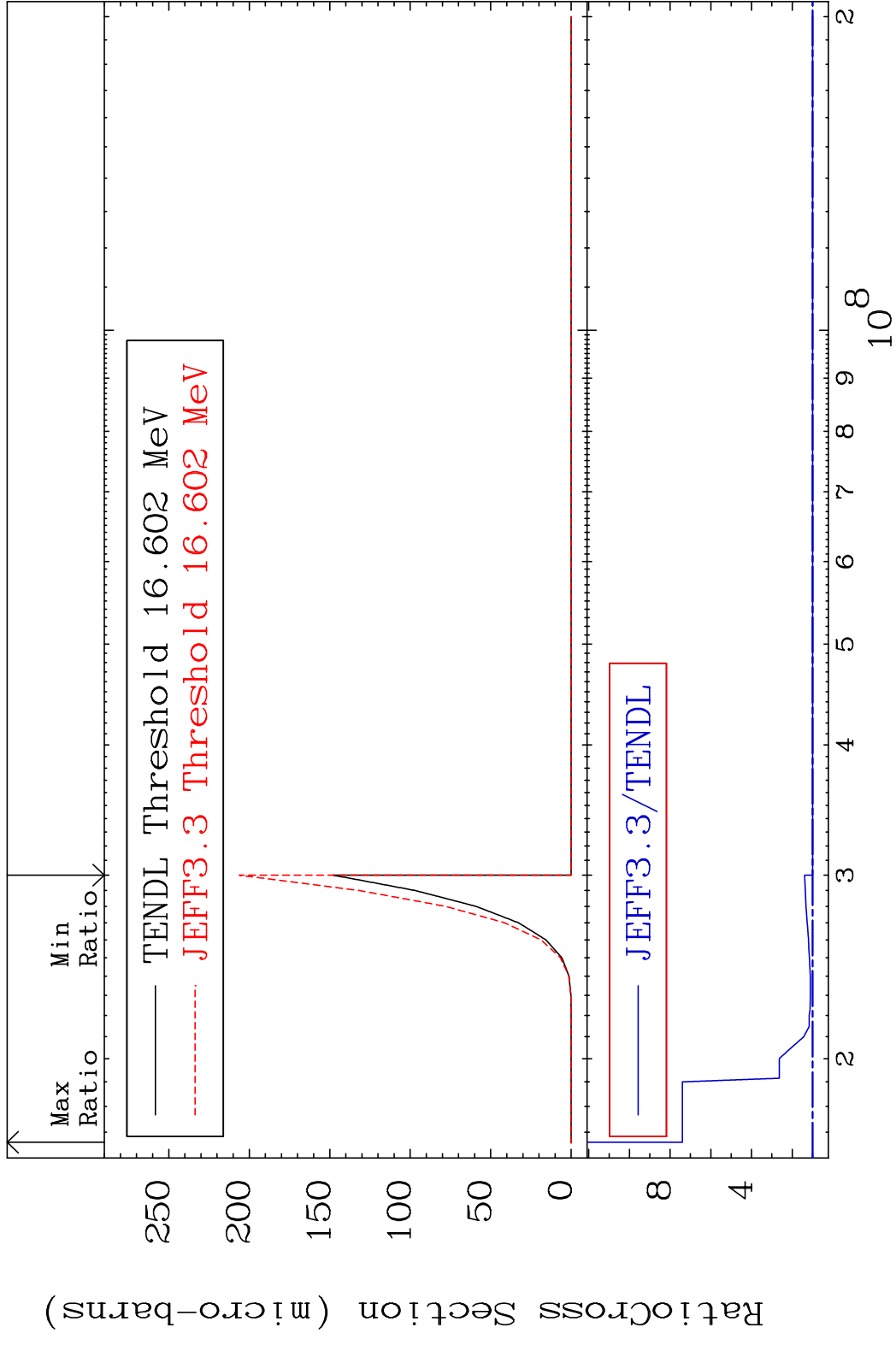


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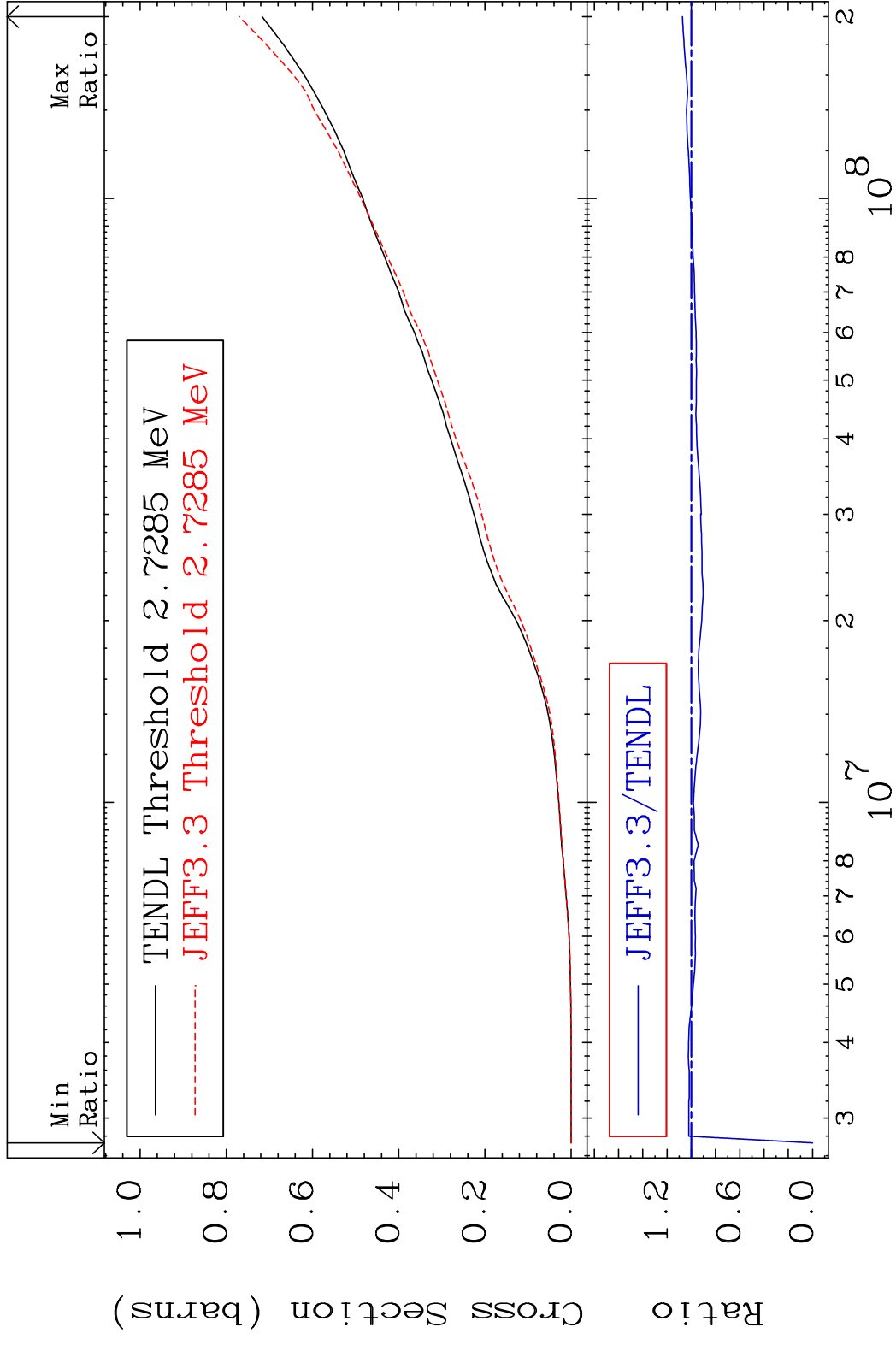
Incident Energy (eV)

18-Ar-39

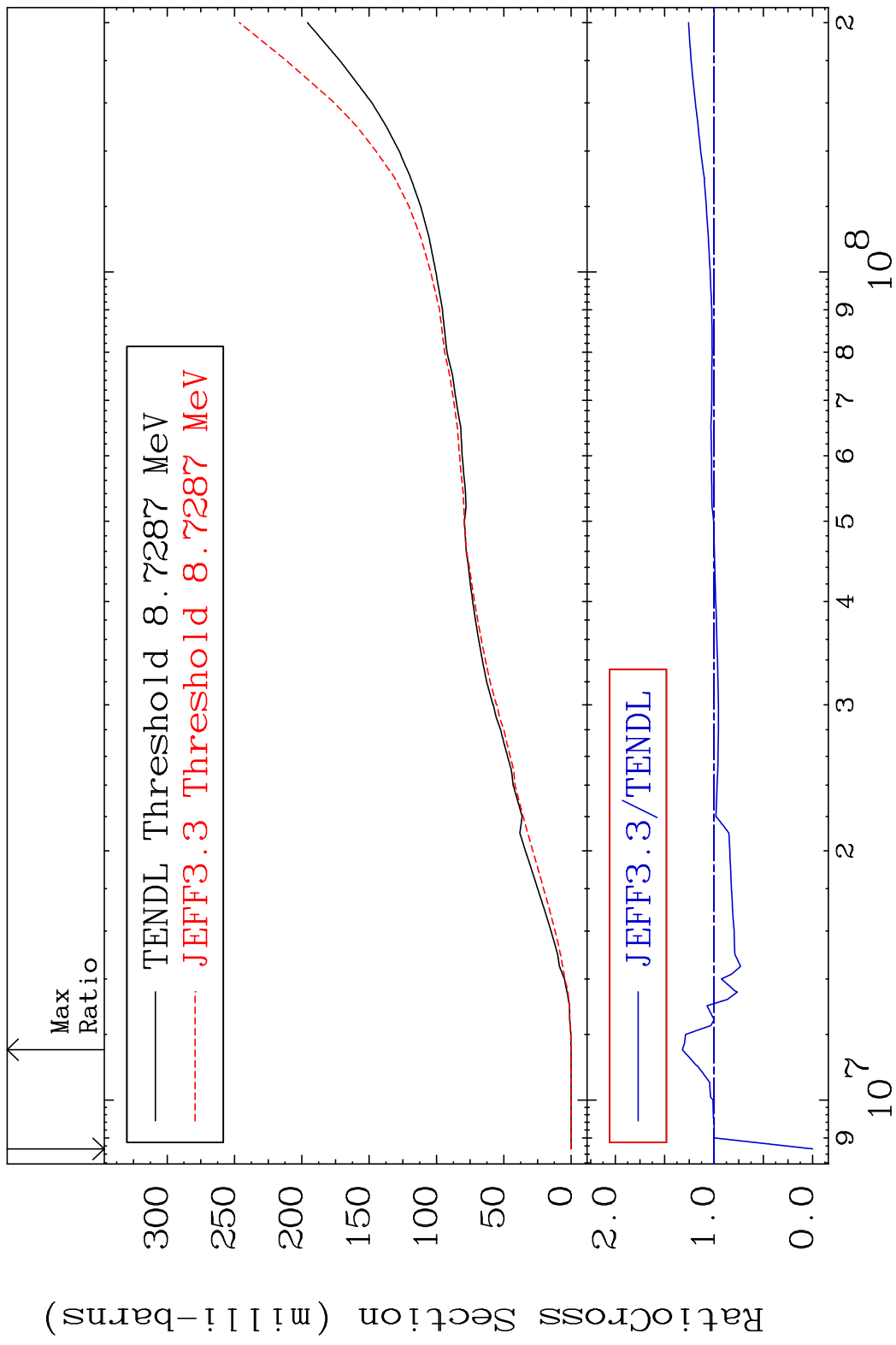
MAT 1834 (n,d) α 18-Ar-39
 Cross Section 0.000 To 639.9 %



MAT 1834 Hydrogen Production 18-Ar-39
 Cross Section -100.0 To 7.382 %



MAT 1834 Deuterium Production 18-Ar-39
 Cross Section -100.0 To 32.08 %

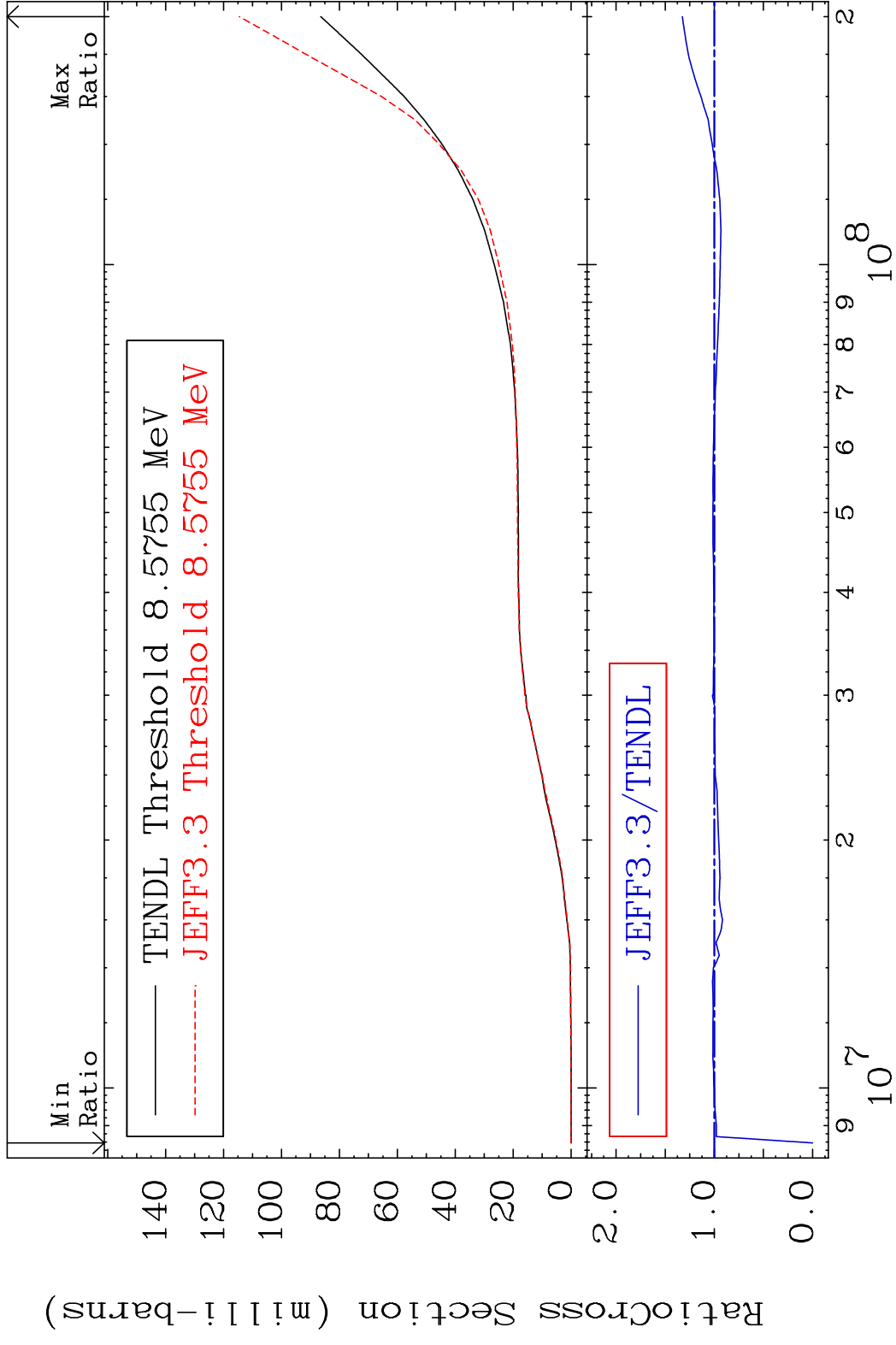


65 18-Ar-39

MAT 1834

Tritium Production
Cross Section -100.0 To 32.53 %

18-Ar-39



66

Incident Energy (eV)

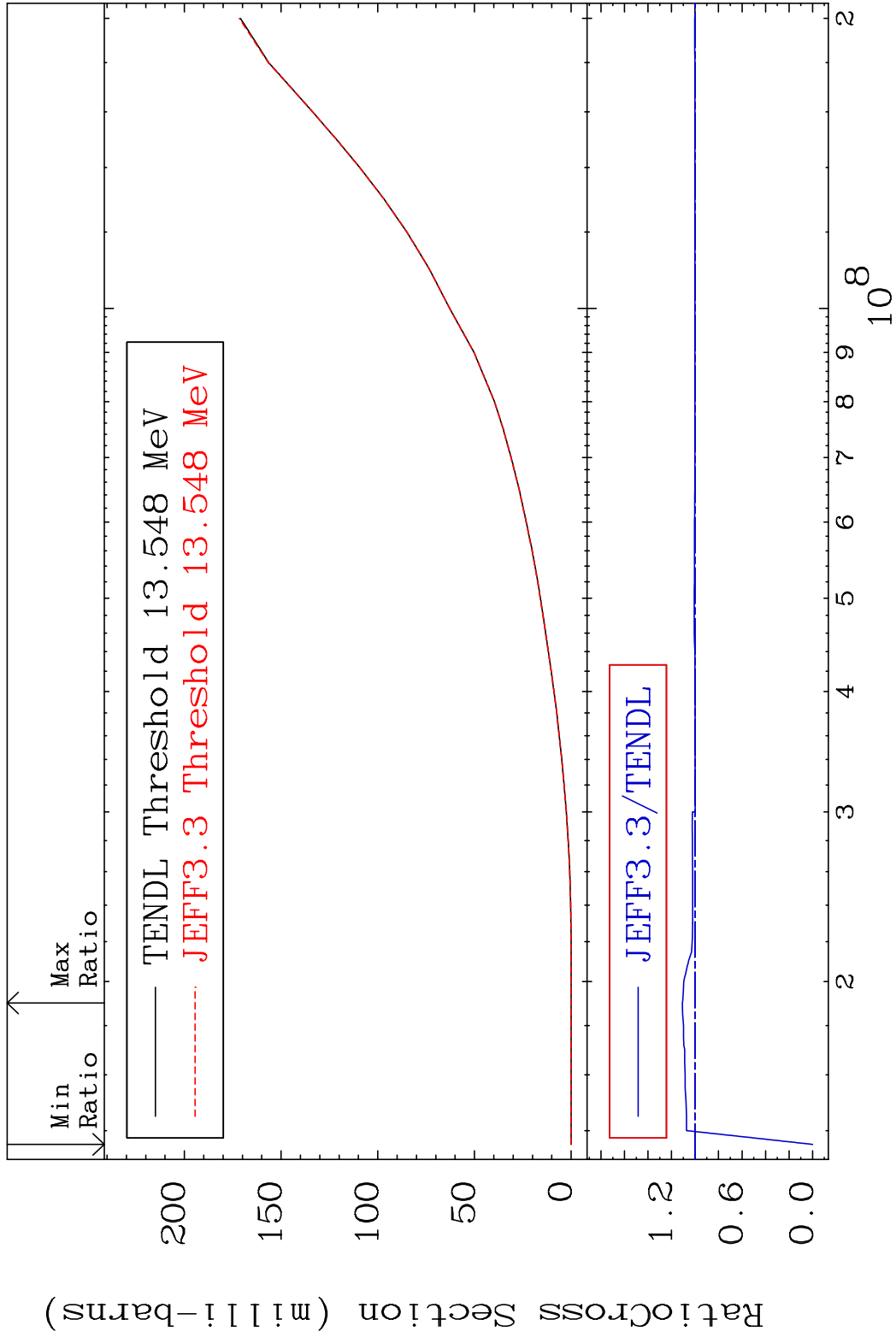
18-Ar-39

MAT 1834

He-3 Production

18-Ar-39

Cross Section -100.0 To 10.78 %



67

Incident Energy (eV)

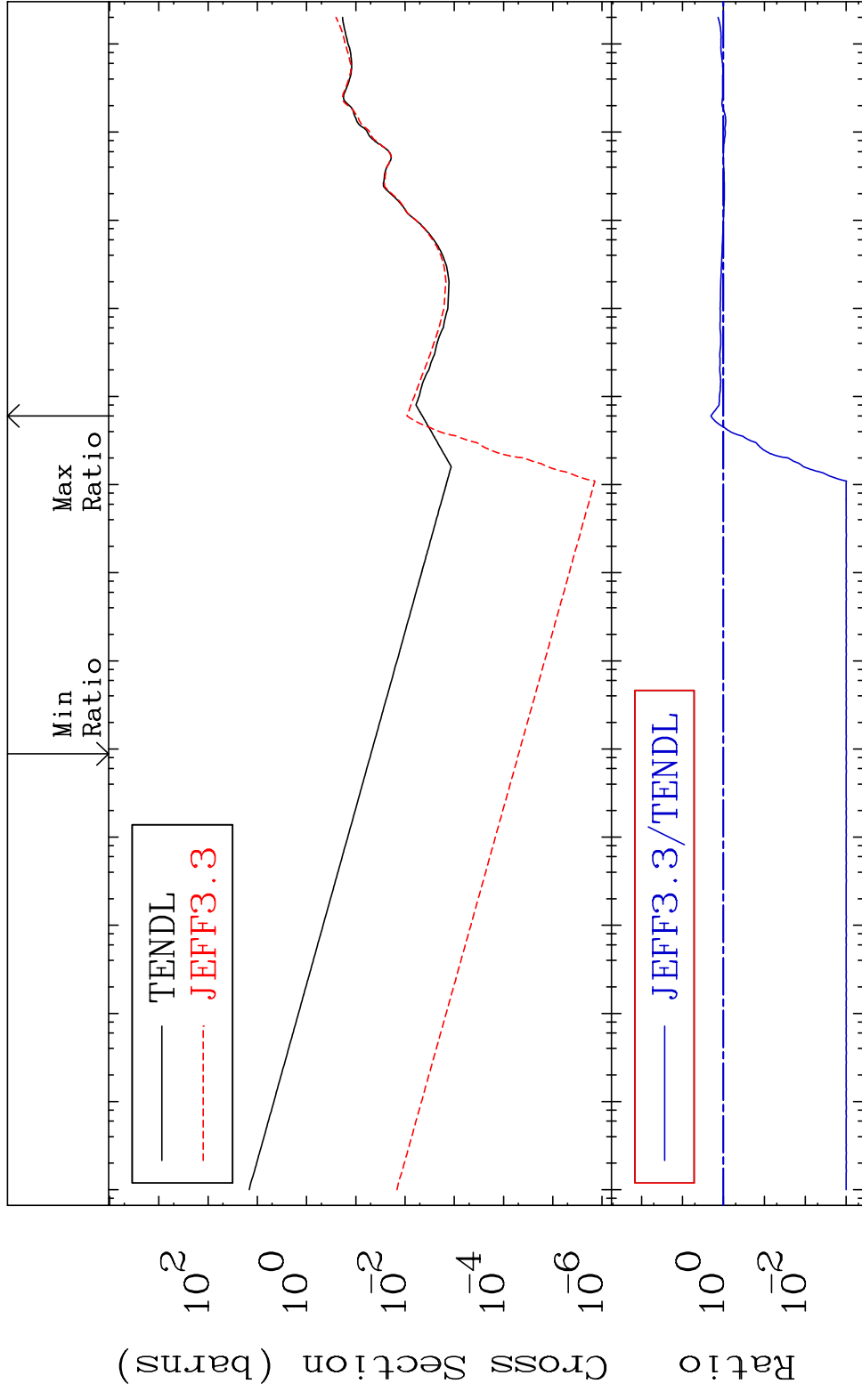
18-Ar-39

MAT 1834

He-4 Production

18-Ar-39

Cross Section -99.90 To 104.3 %

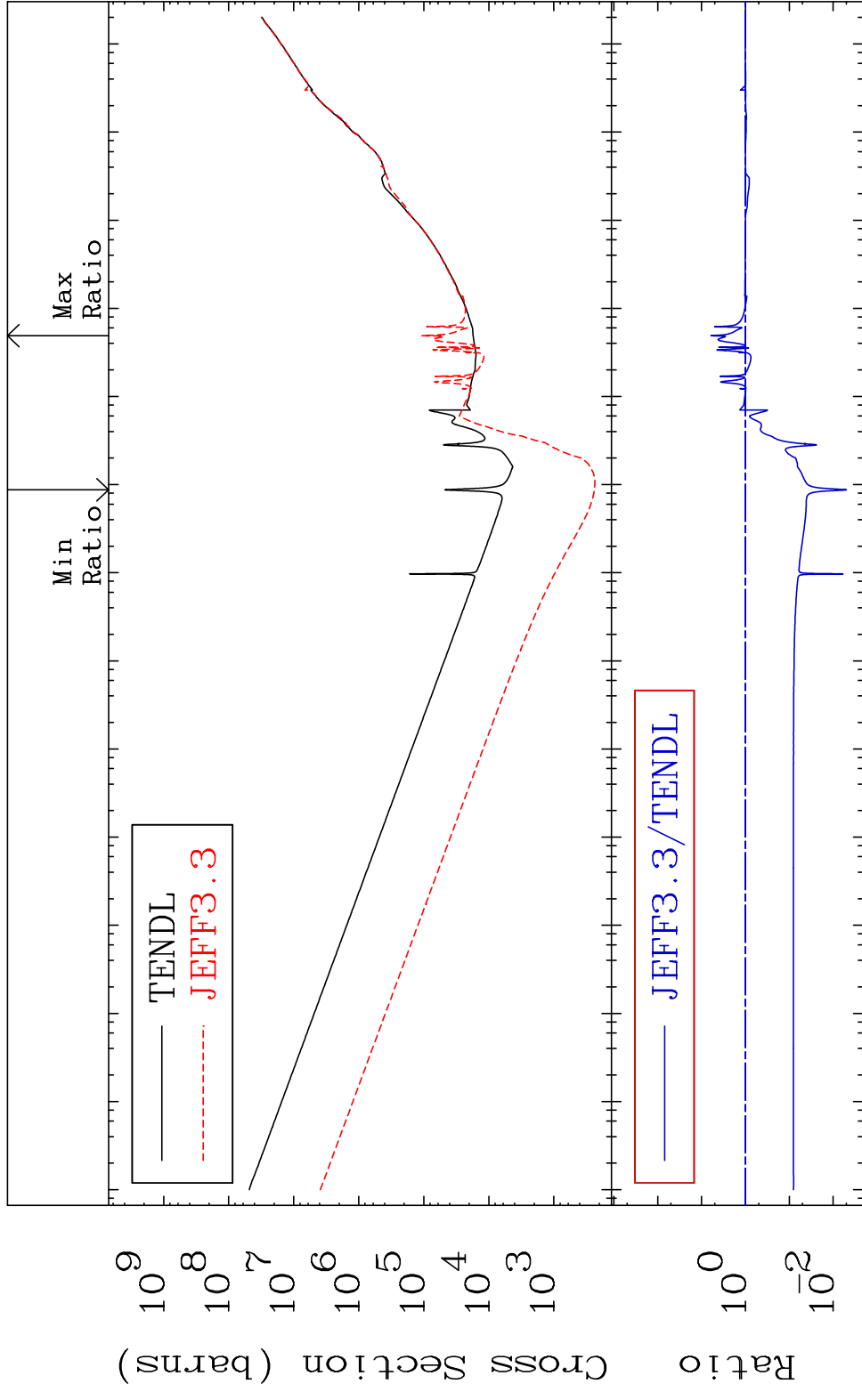


68

Incident Energy (eV)

18-Ar-39

MAT 1834 Kerma total (eV-barns) 18-Ar-39
 Cross Section -99.50 To 518.8 %

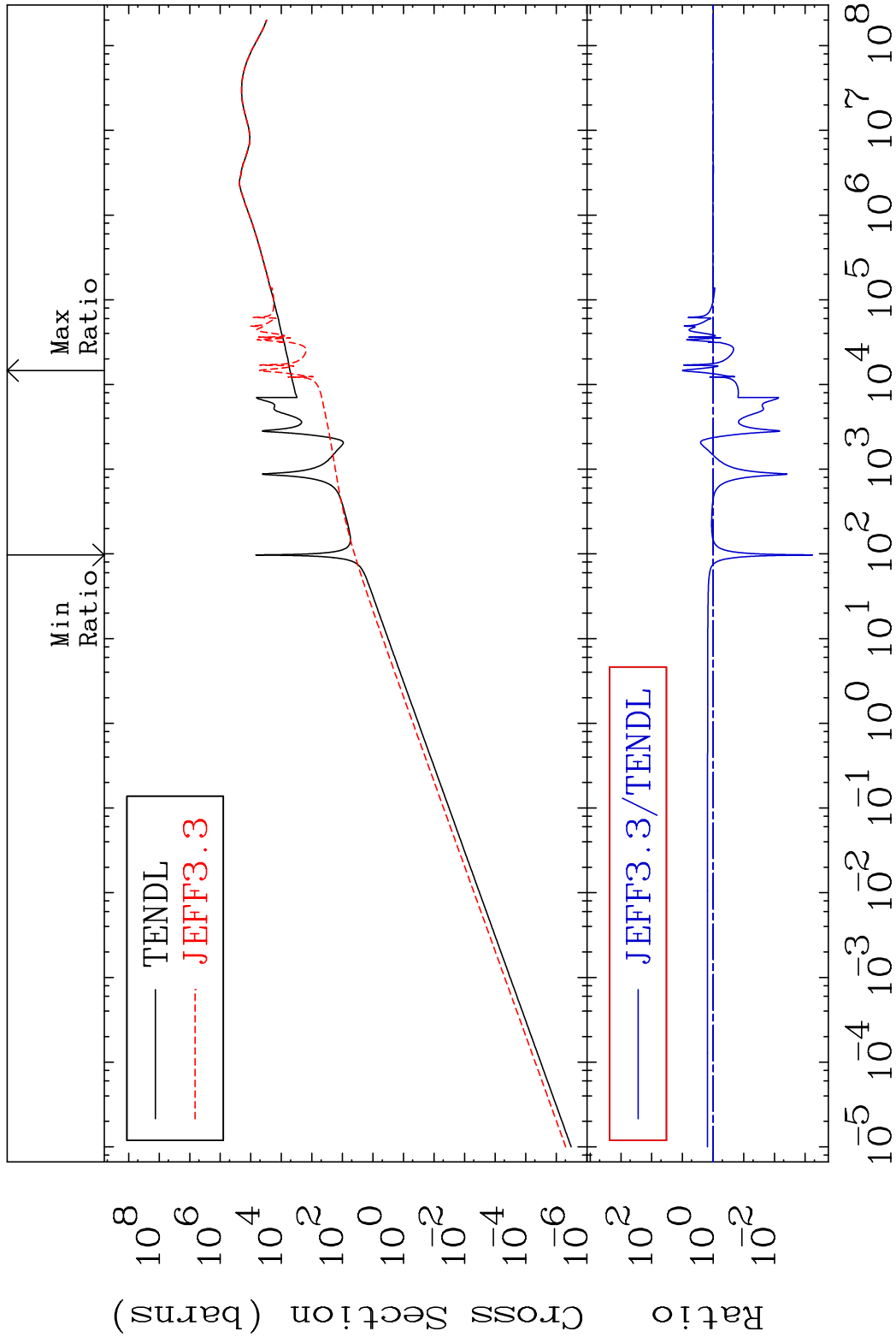


69 Incident Energy (eV) 18-Ar-39

MAT 1834

Kerma elastic
Cross Section

18-Ar-39
-99.94 To 902.6 %

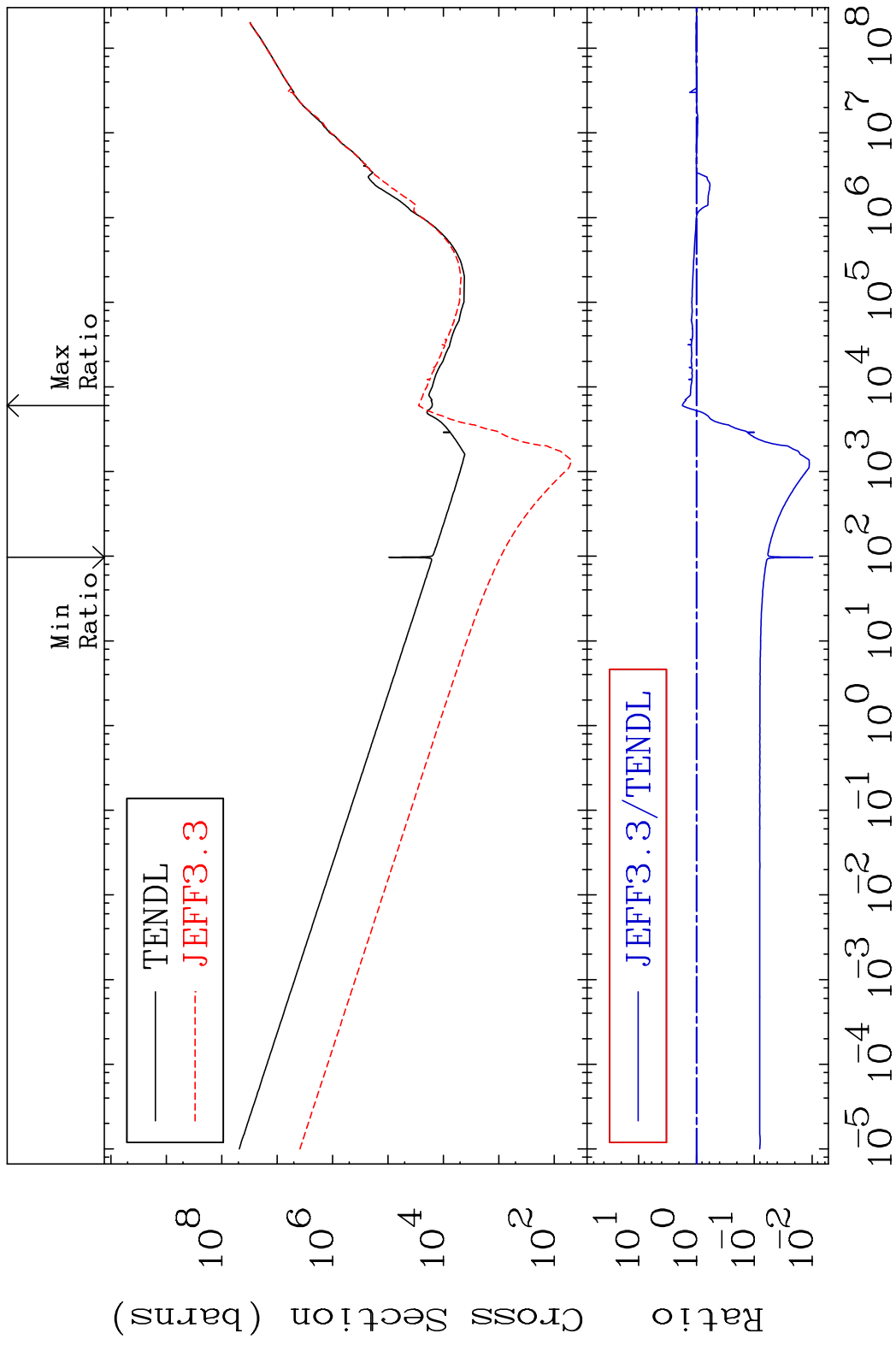


70

Incident Energy (eV)

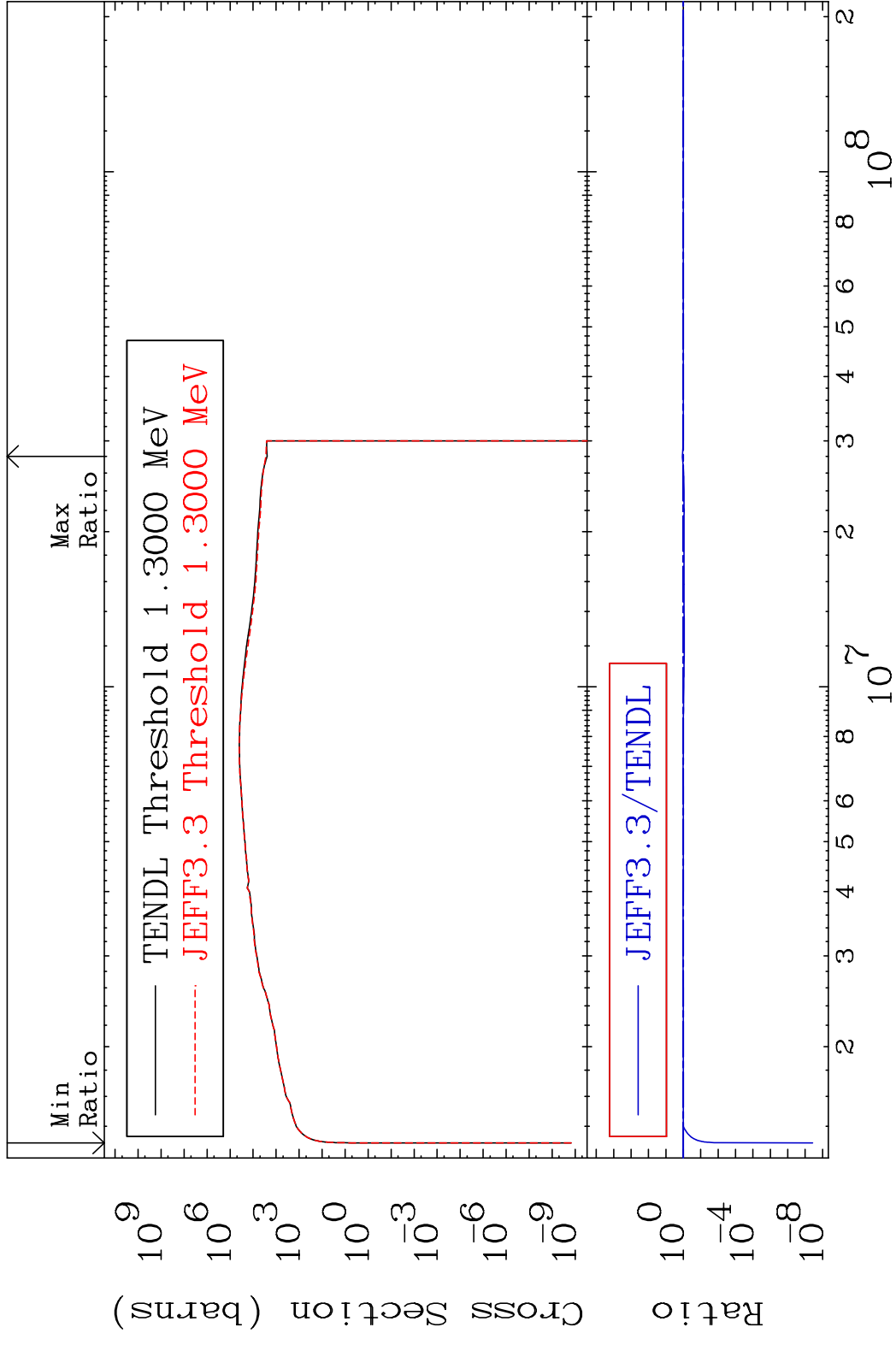
18-Ar-39

MAT 1834 Kerma non-elastic (all but mt2) 18-Ar-39
 Cross Section -99.02 To 75.55 %

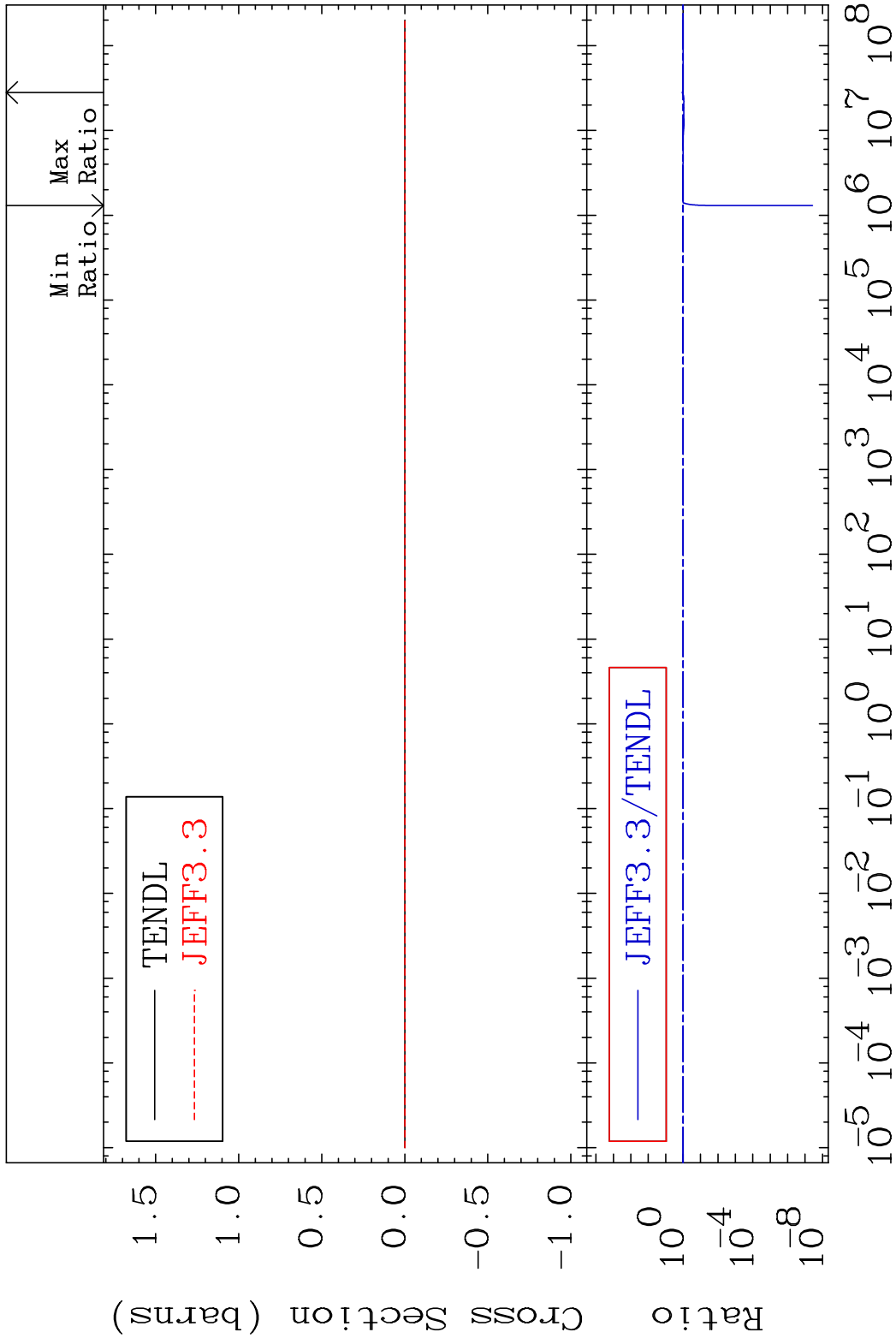


71 Incident Energy (eV) 18-Ar-39

MAT 1834 Kerma inelastic (mt51-91) 18-Ar-39
 Cross Section -100.0 To 13.34 %

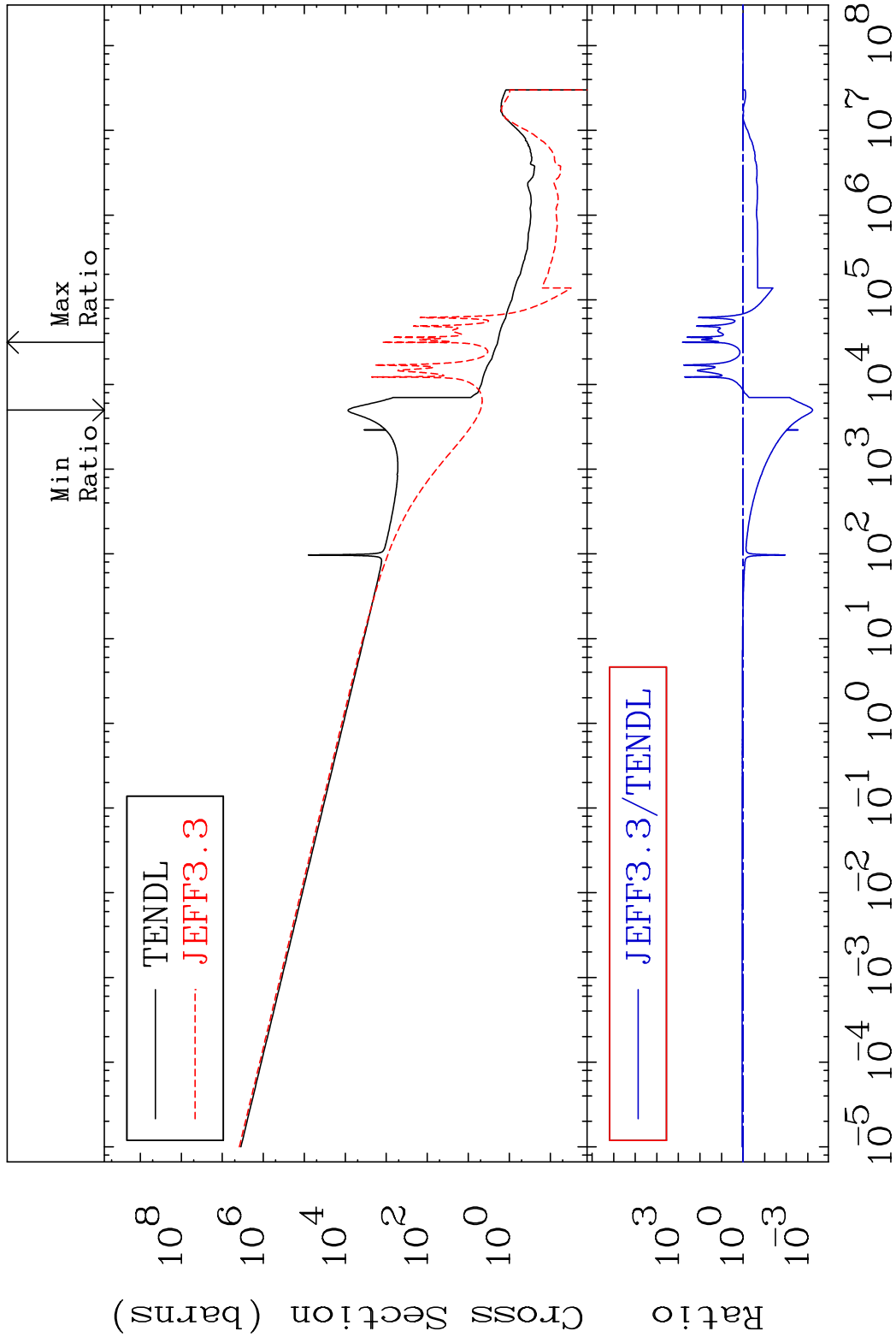


MAT 1834 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-39
 Cross Section -100.0 To 13.34 %



MAT 1834

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



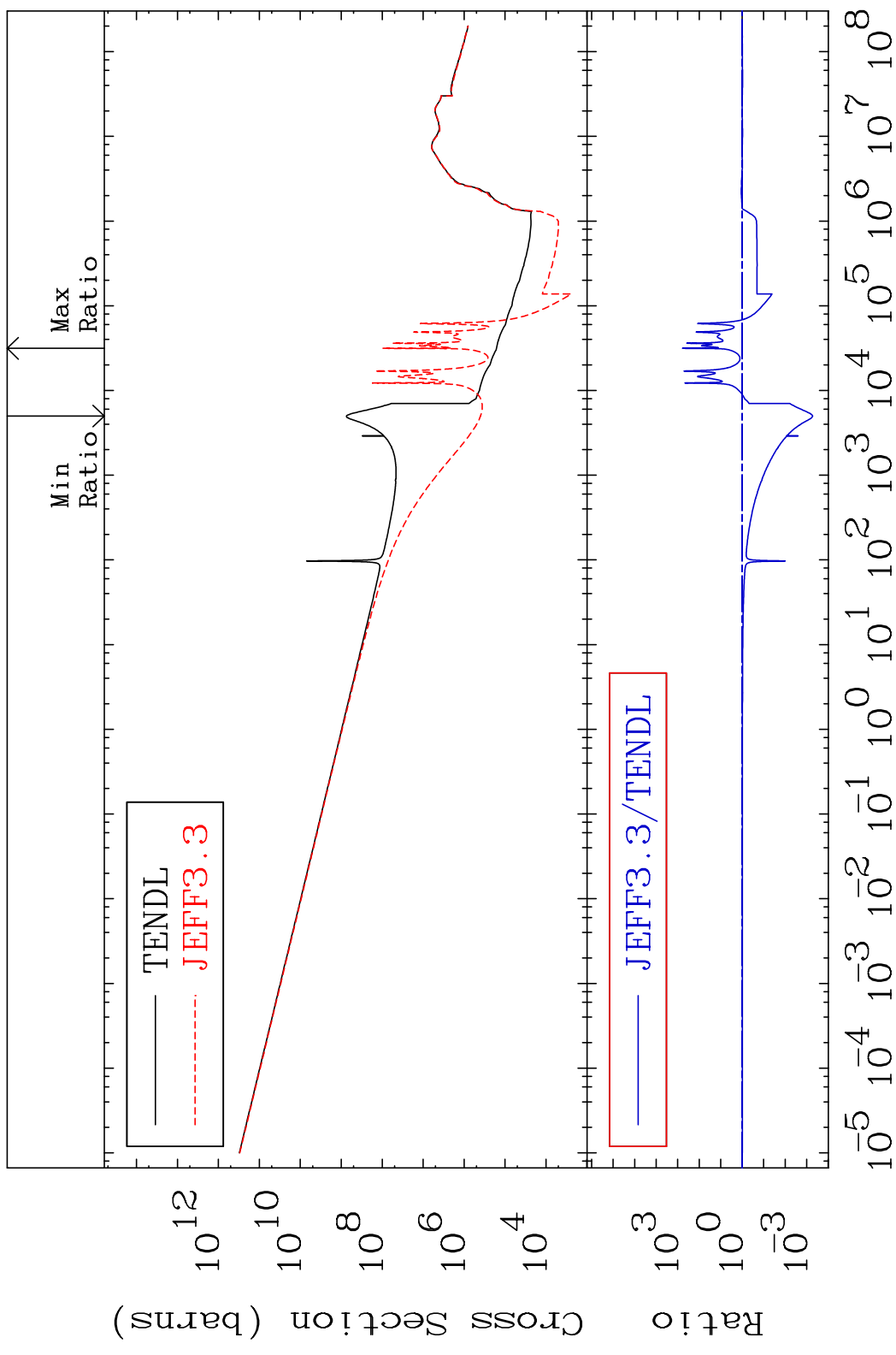
74

Incident Energy (eV)

18-Ar-39

MAT 1834

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

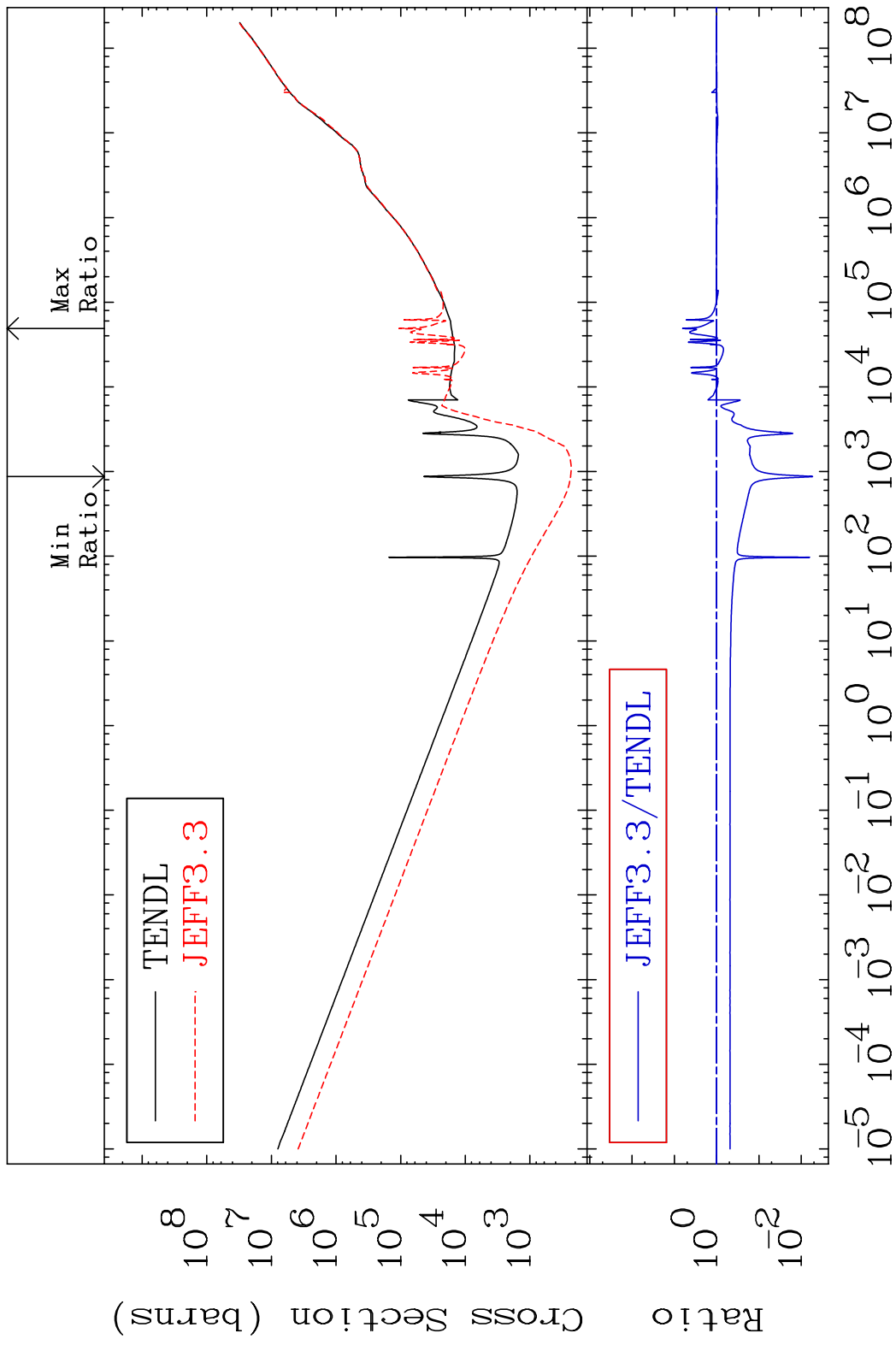


75

Incident Energy (eV)

18-Ar-39

MAT 1834 Total kinematic kerma (high limit) 18-Ar-39
 Cross Section -99.46 To 547.0 %

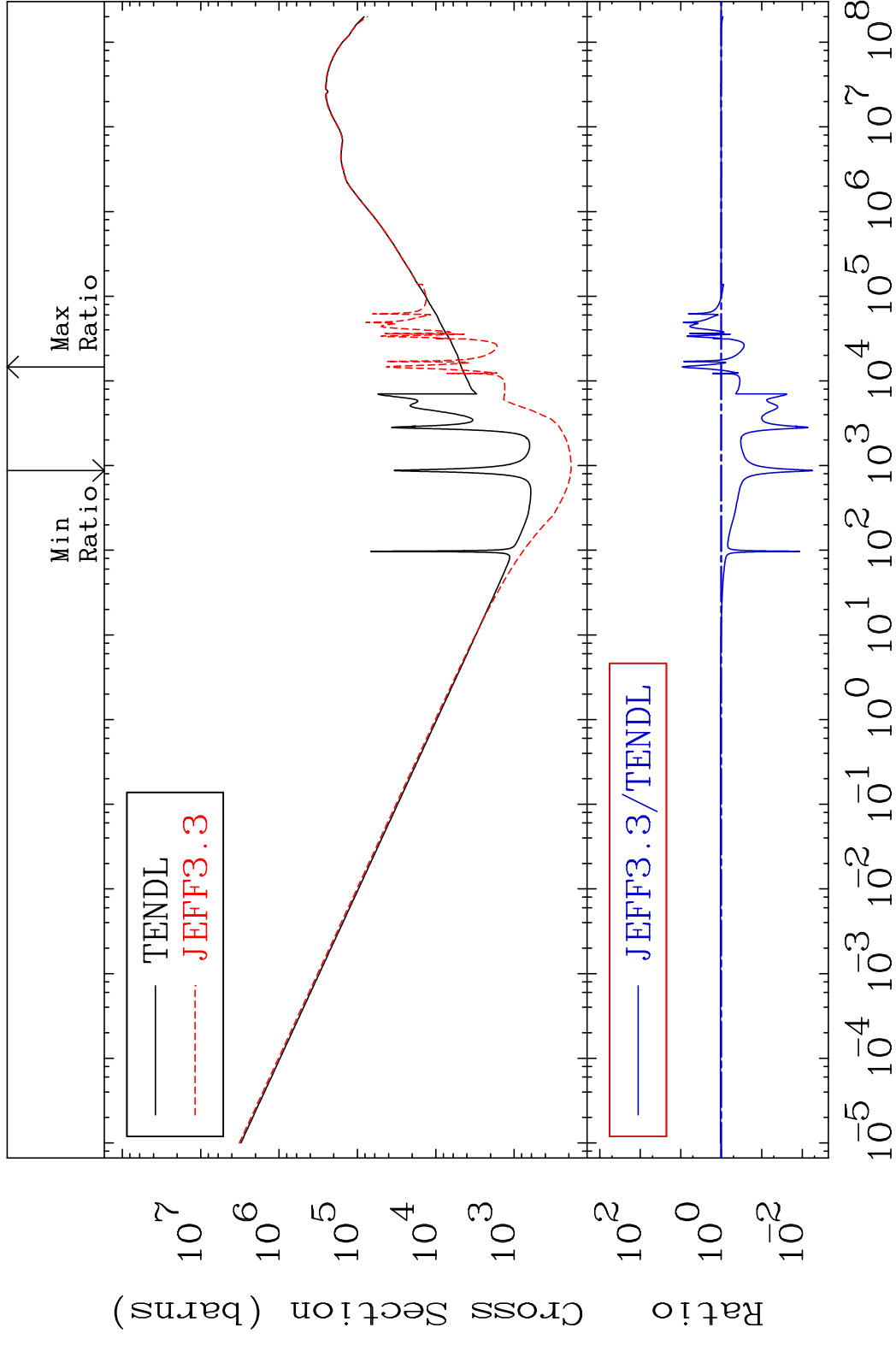


MAT 1834

Dpa total (eV-barns)

18-Ar-39

Cross Section -99.44 To 812.1 %



77

Incident Energy (eV)

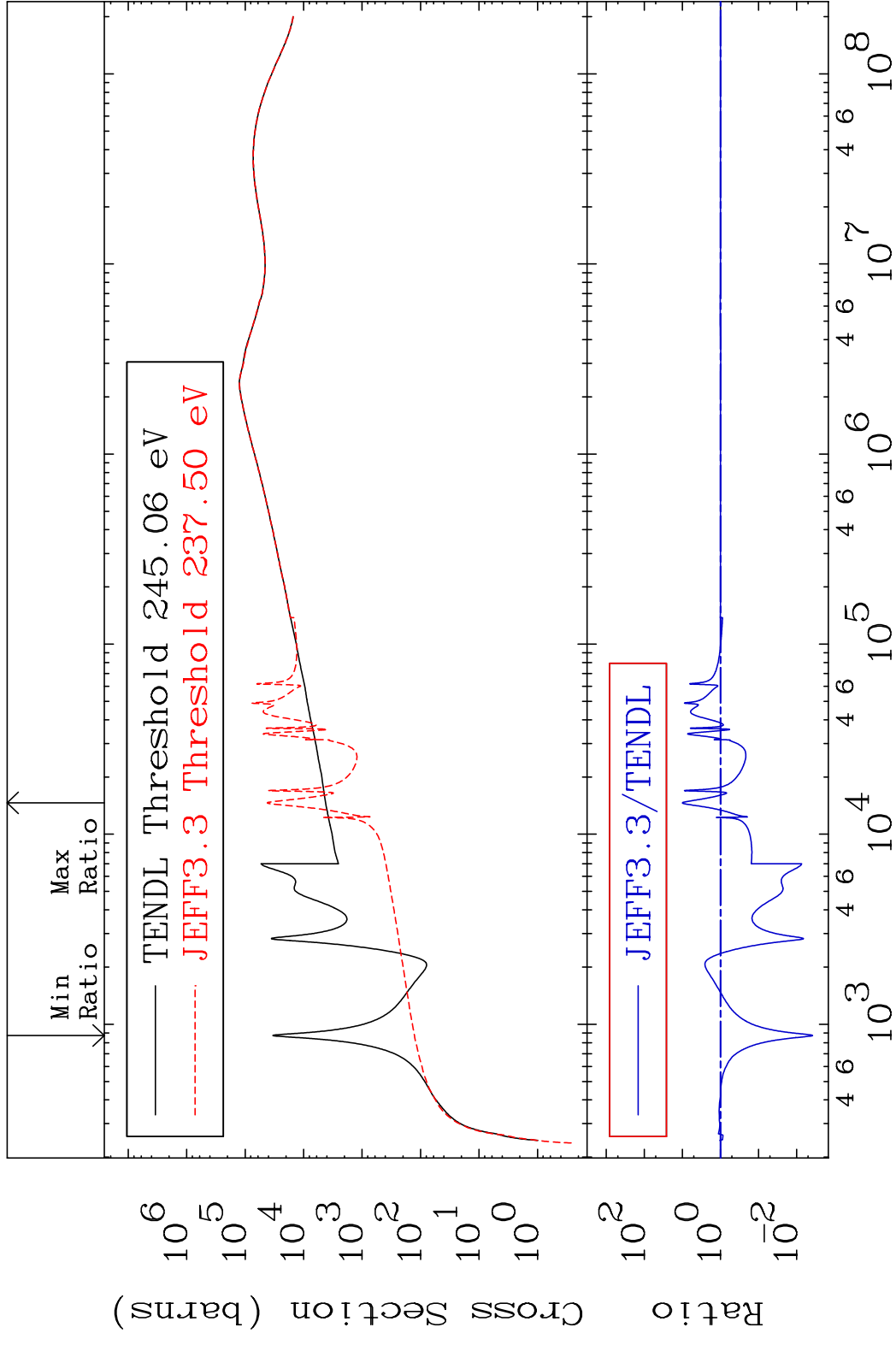
18-Ar-39

MAT 1834

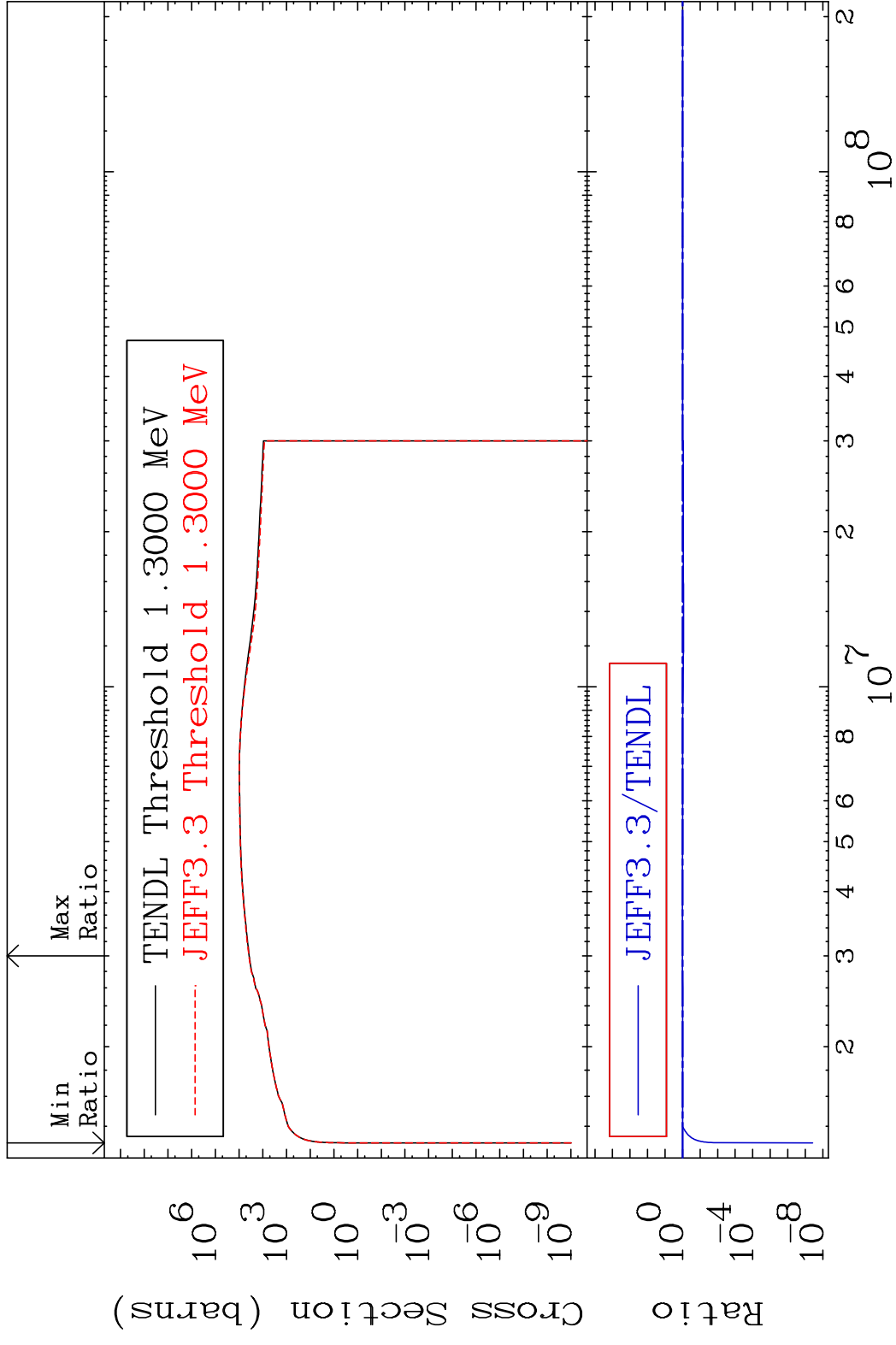
Dpa elastic (mt2)

18-Ar-39

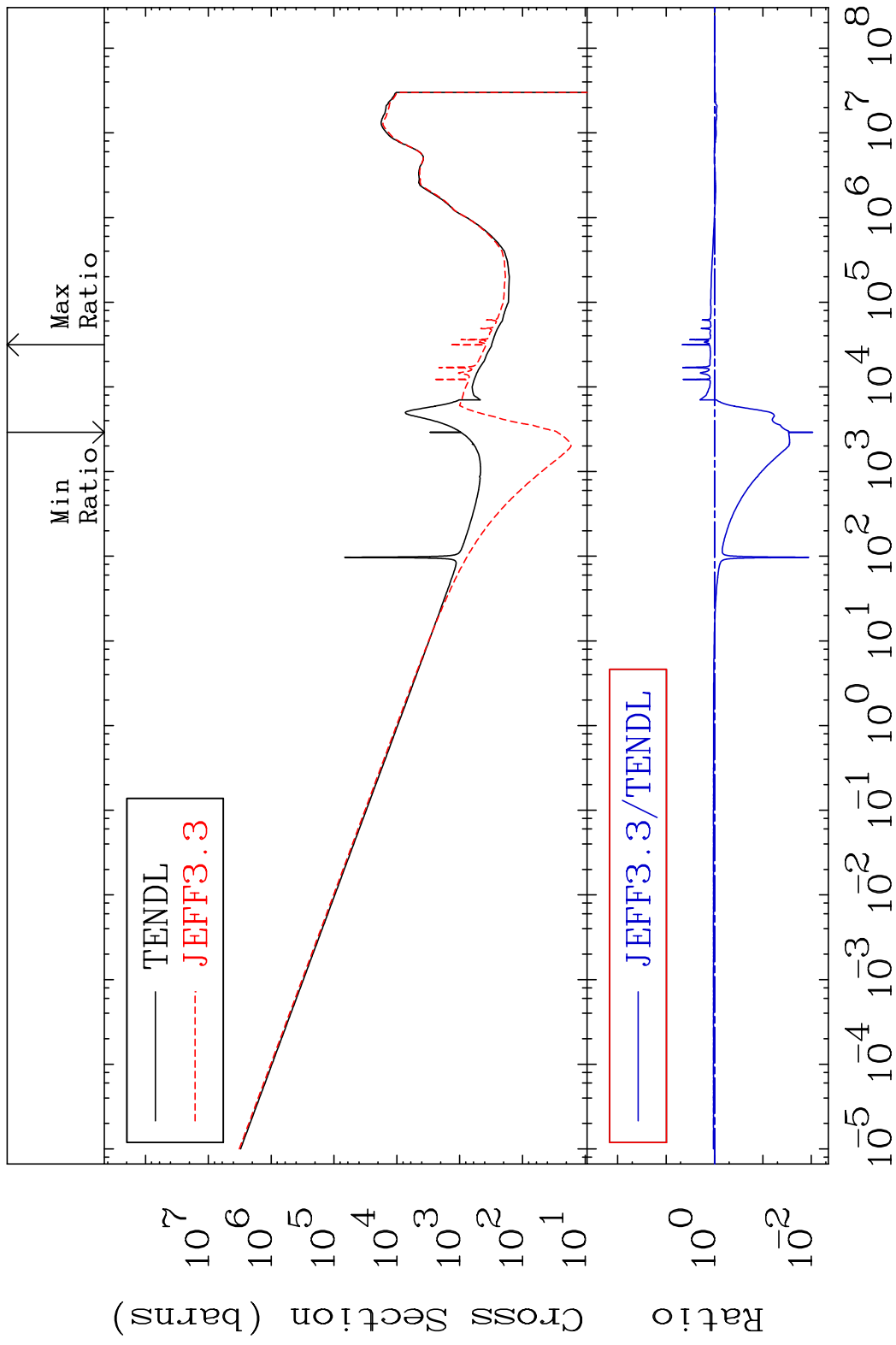
Cross Section -99.62 To 902.7 %



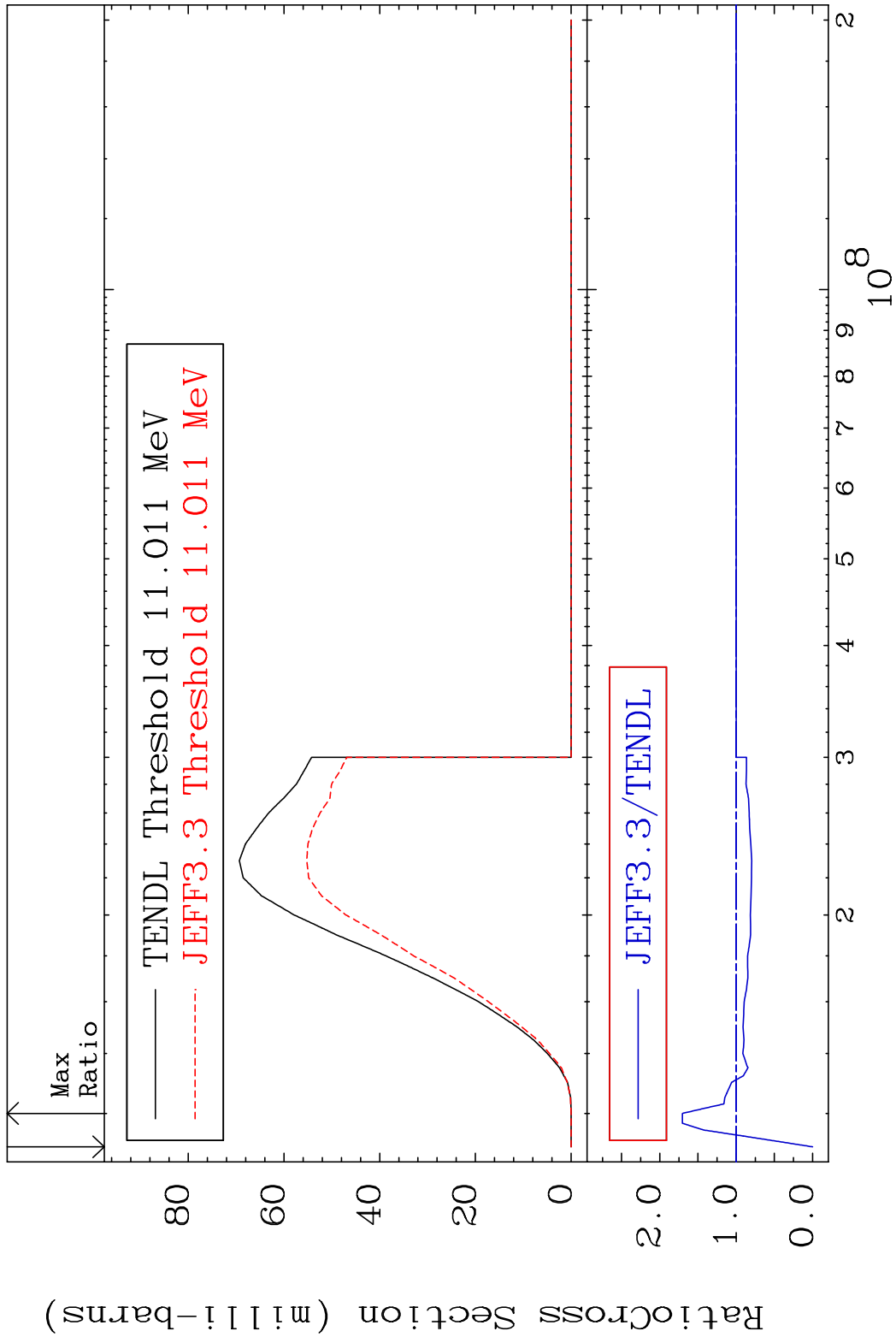
MAT 1834 Dpa inelastic (mt51-91) 18-Ar-39
 Cross Section -100.0 To 3.078 %

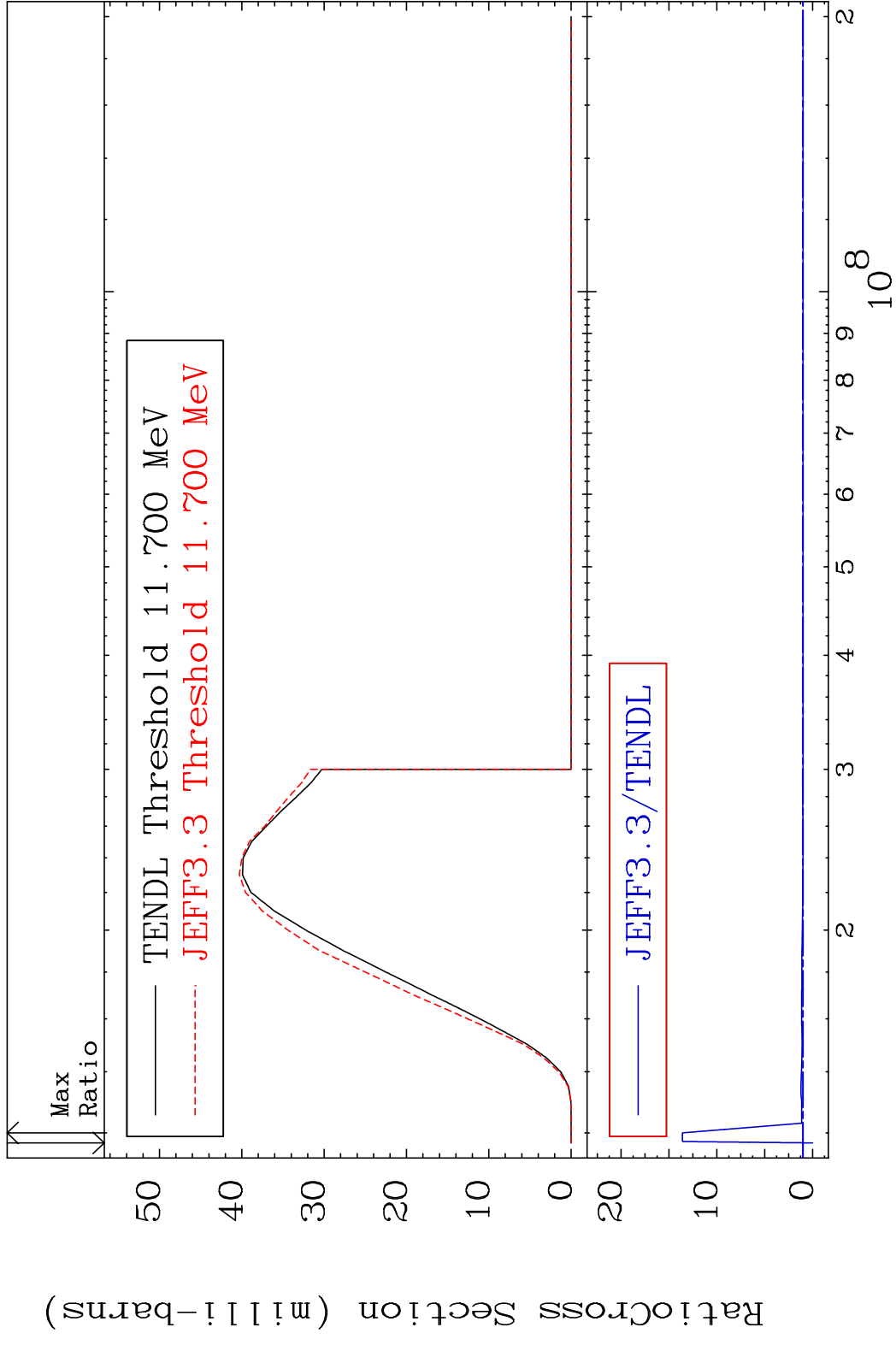


MAT 1834 Dpa disappearance (mt102 -120) 18-Ar-39
 Cross Section -99.06 To 361.2 %

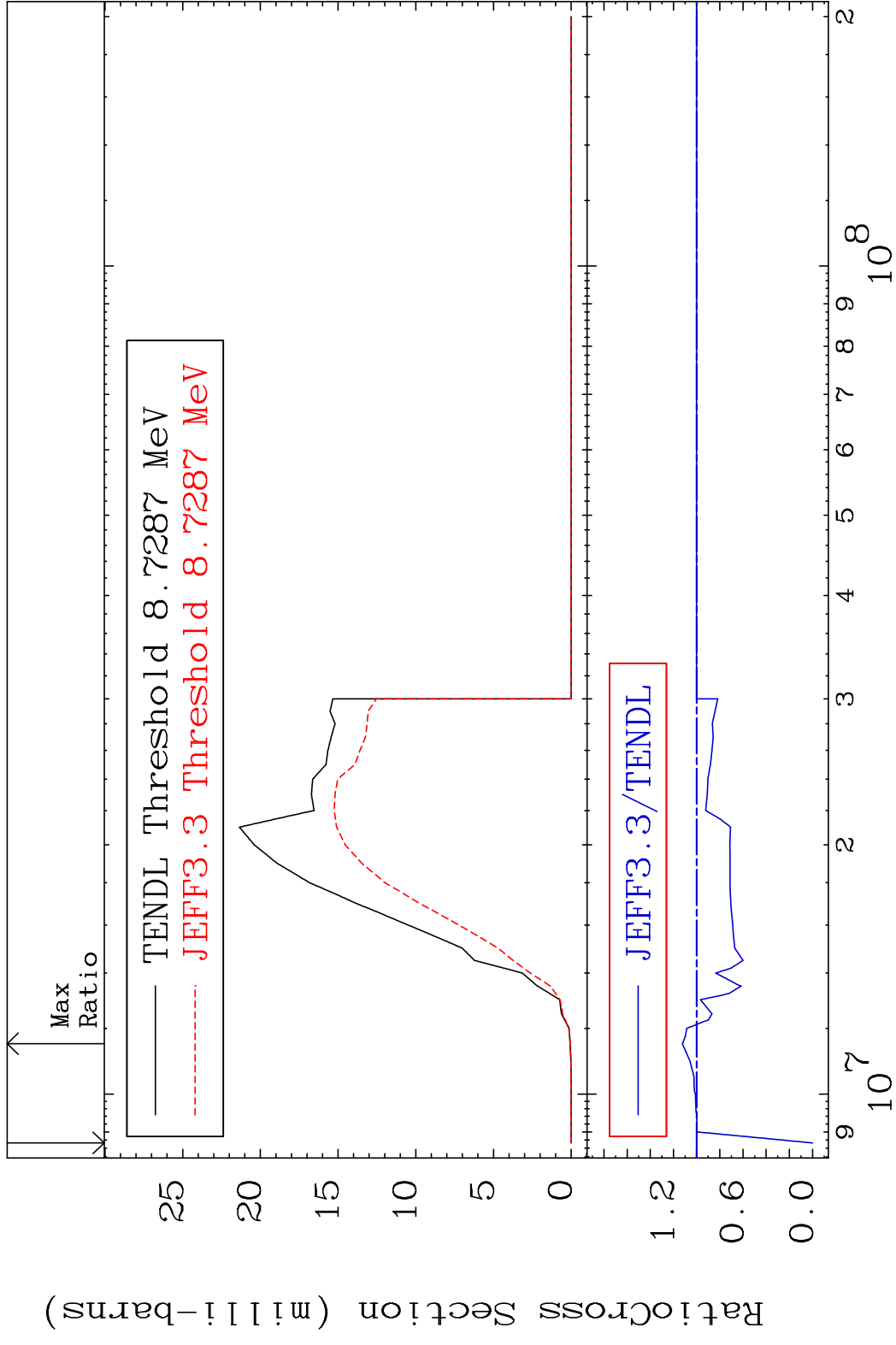


MAT 1834 (n, n') p:17-Cl-38g 18-Ar-39
 Radionuclide Production Cross Section 1800 dth 70.47 %





MAT 1834 (n,d):17-Cl-38g 18-Ar-39
 Radionuclide Production Cross Section 180.01 dno 12.33 %



MAT 1834 (n,d):17-Cl-38m1 18-Ar-39
 Radionuclide Production Cross Section 116.4 %

