

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

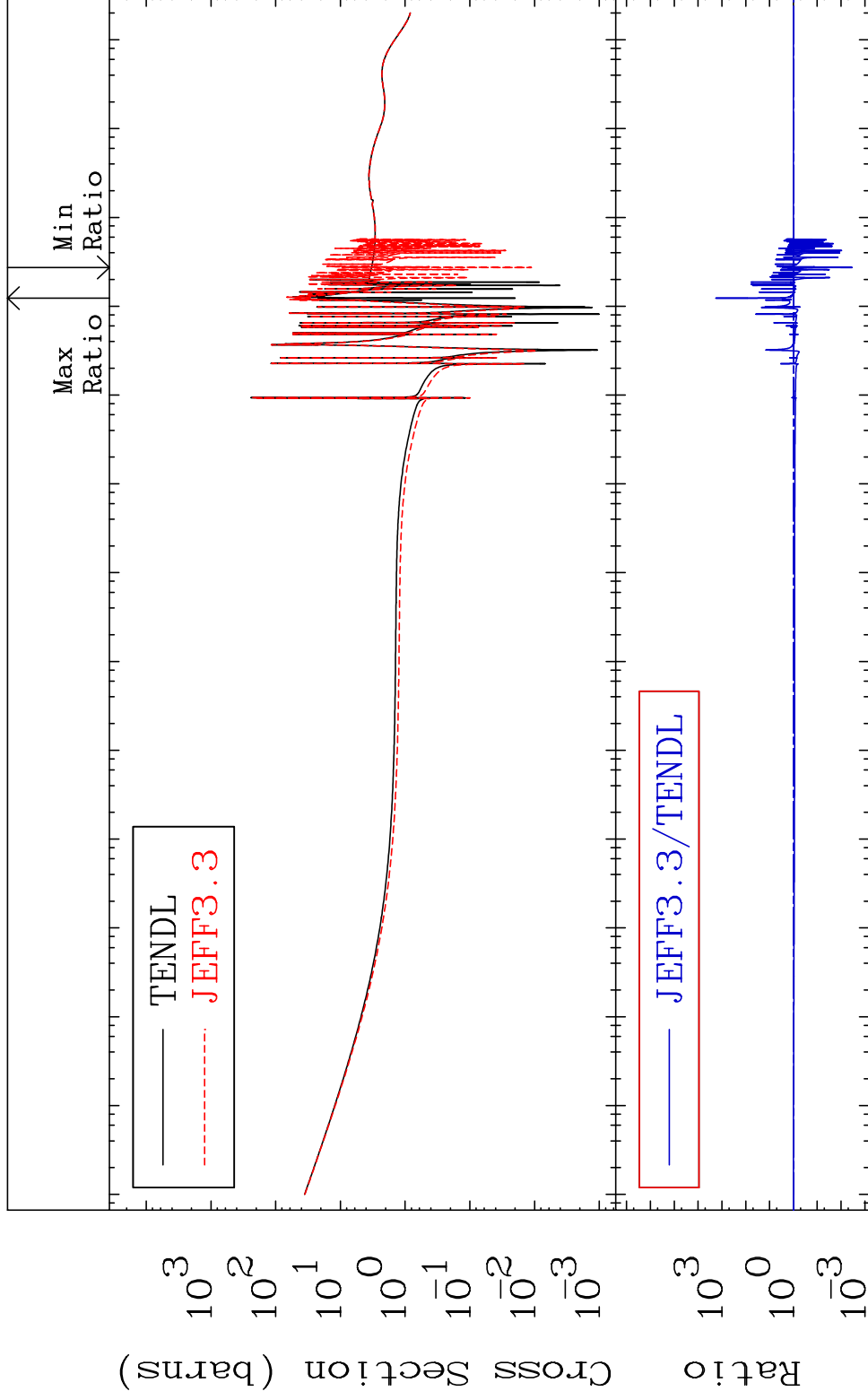
MAT 2031

Total

20-Ca-42

Cross Section

-99.66 To 9999. %



1

Incident Energy (eV)

20-Ca-42

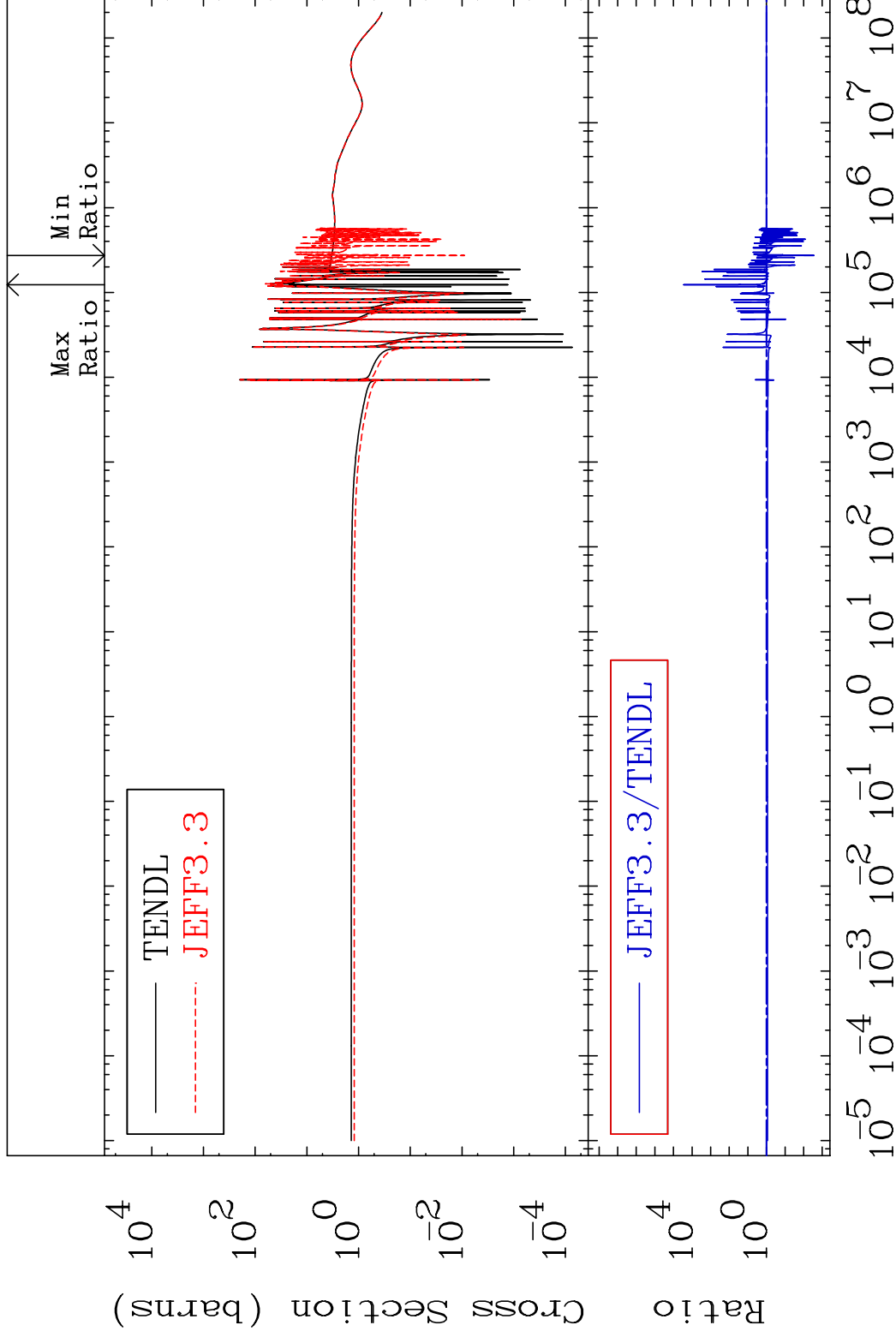
MAT 2031

Elastic

20-Ca-42

Cross Section

-99.73 To 9999. %

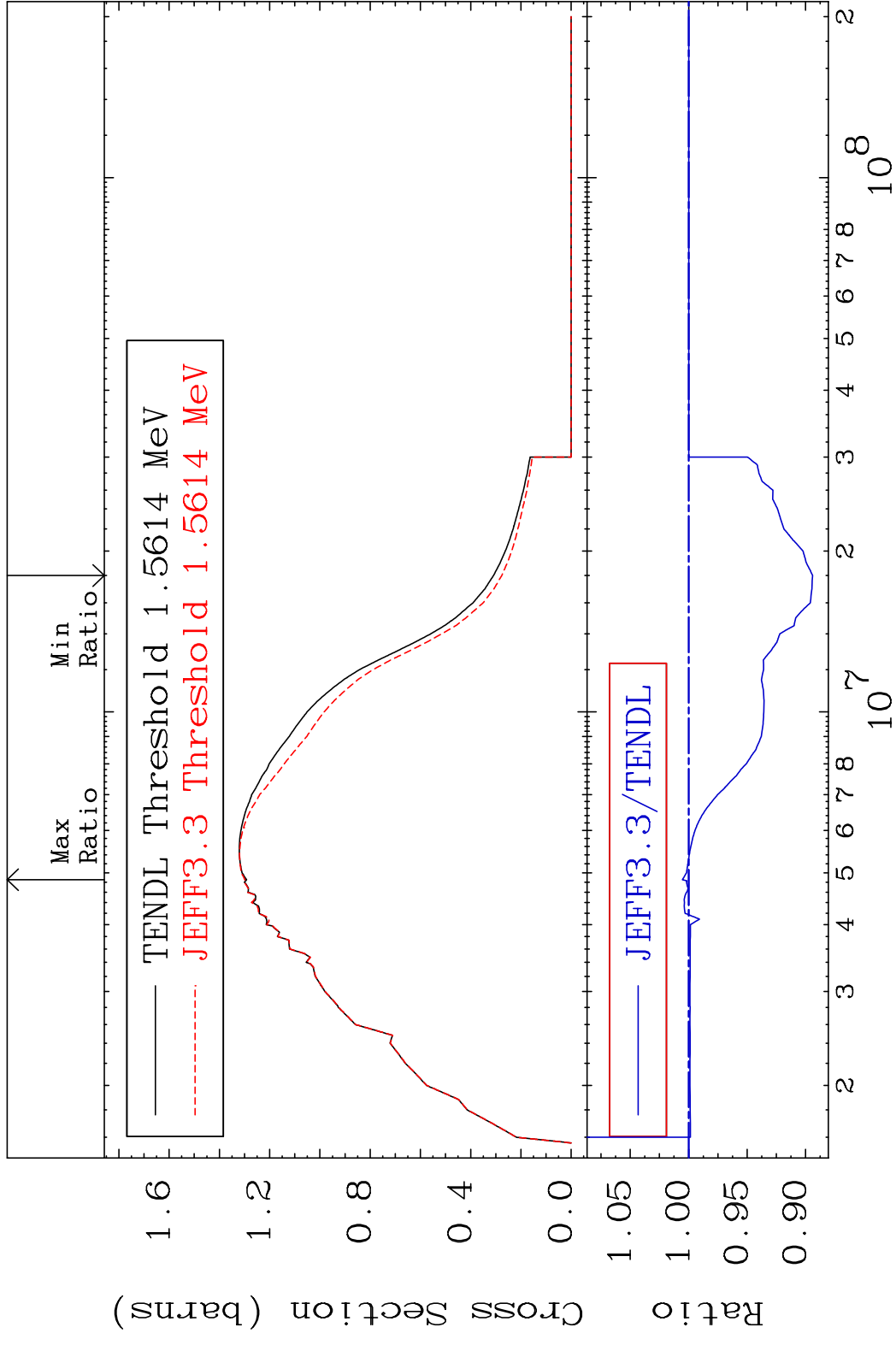


2

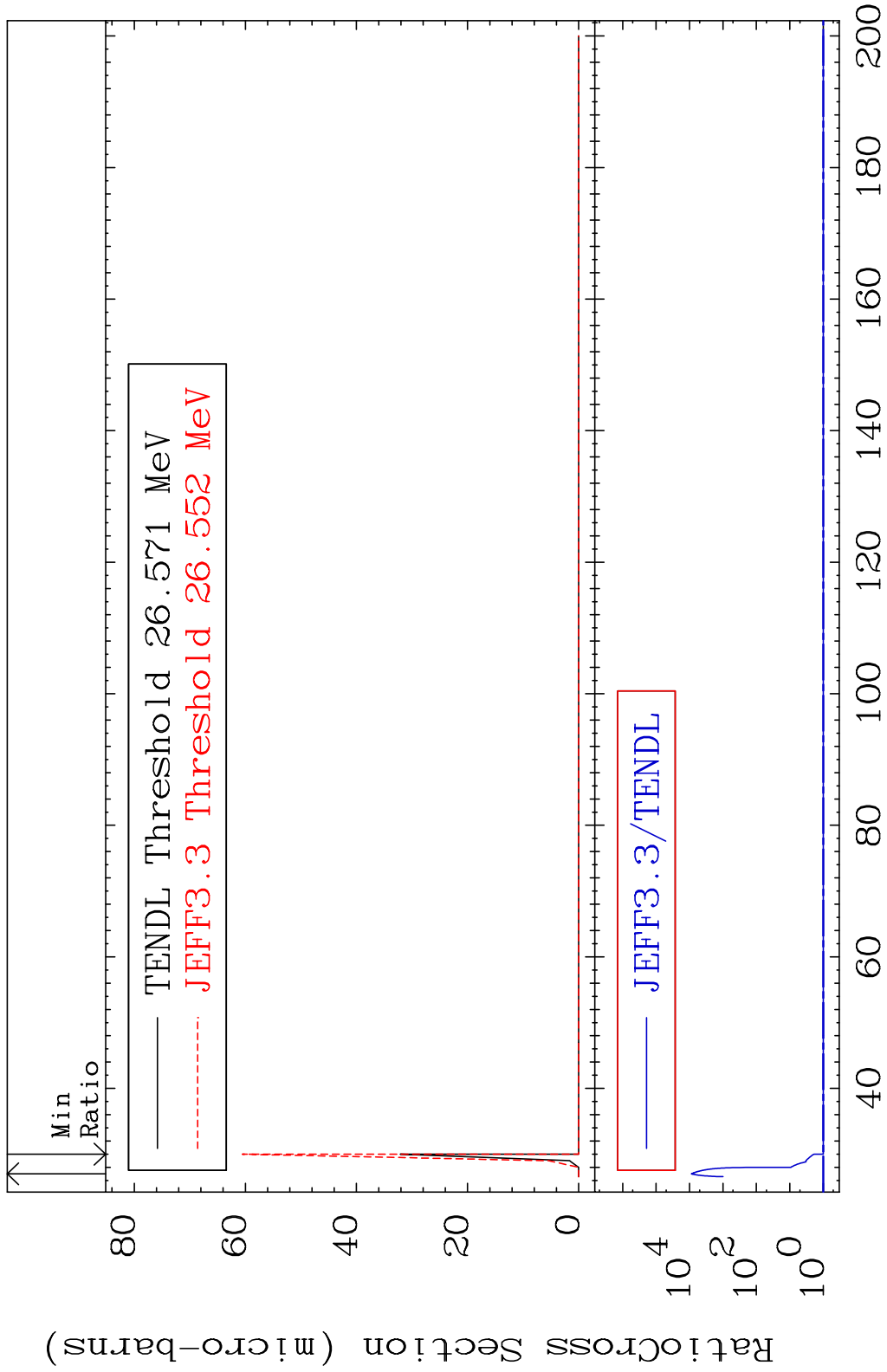
Incident Energy (eV)

20-Ca-42

MAT 2031 Inelastic Cross Section -10.59 To 0.540 % 20-Ca-42



MAT 2031 (n,2n) d 20-Ca-42
 Cross Section 0.000 To 9999. %



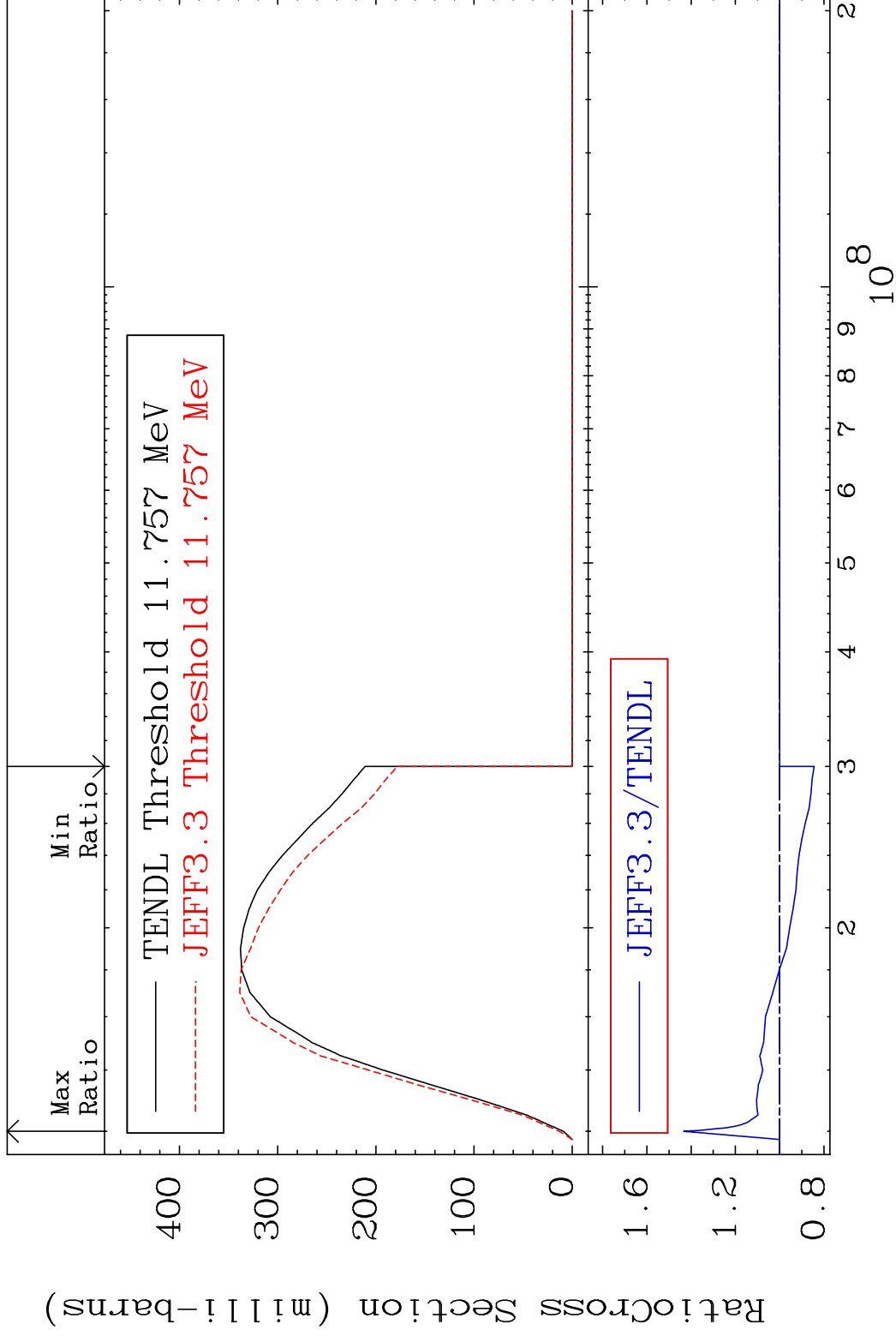
4 Incident Energy (MeV) 20-Ca-42

MAT 2031

(n,2n)

20-Ca-42

Cross Section -15.53 To 43.37 %



5

Incident Energy (eV)

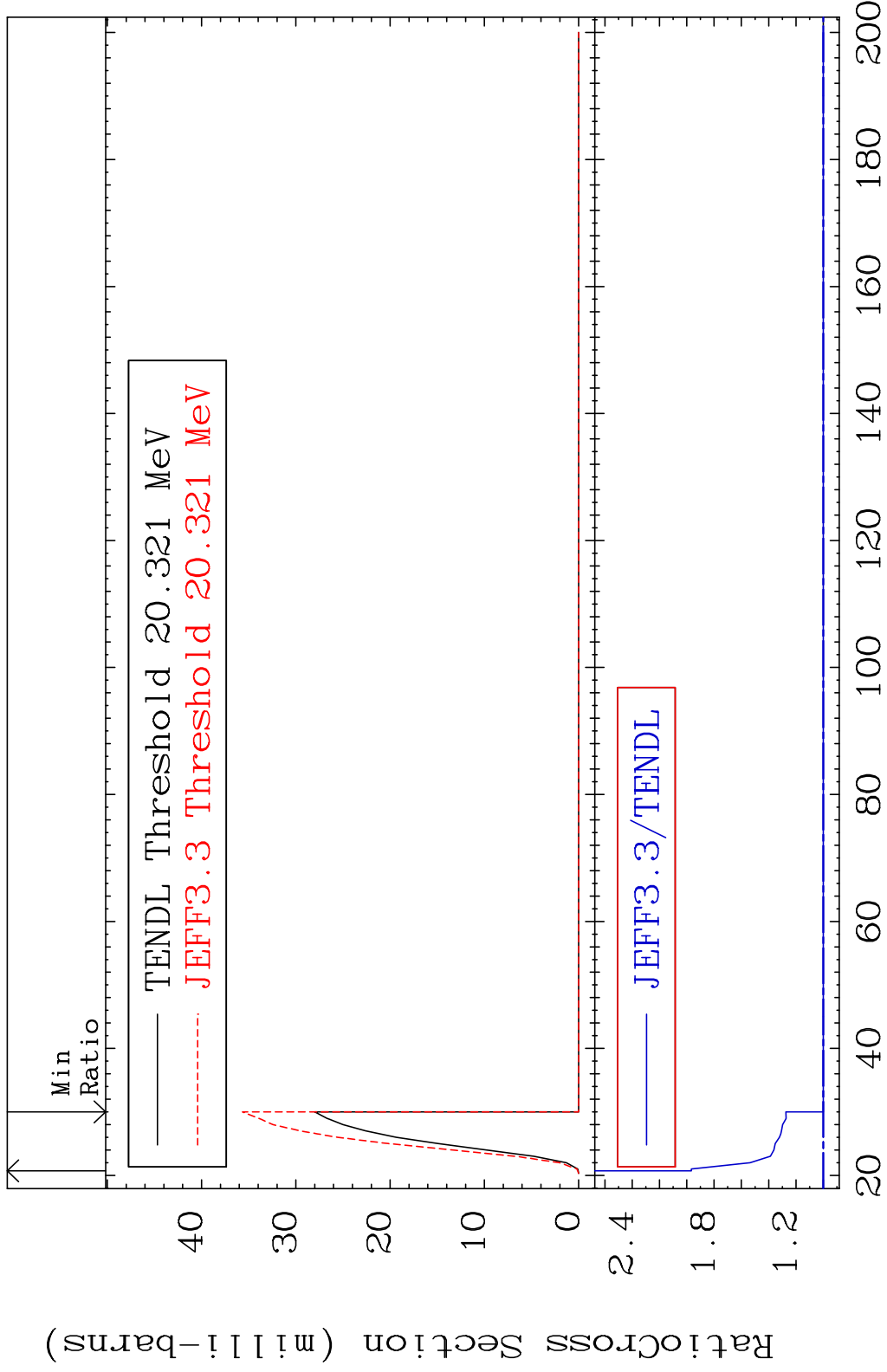
20-Ca-42

MAT 2031

(n,3n)

20-Ca-42

Cross Section 0.000 To 96.68 %

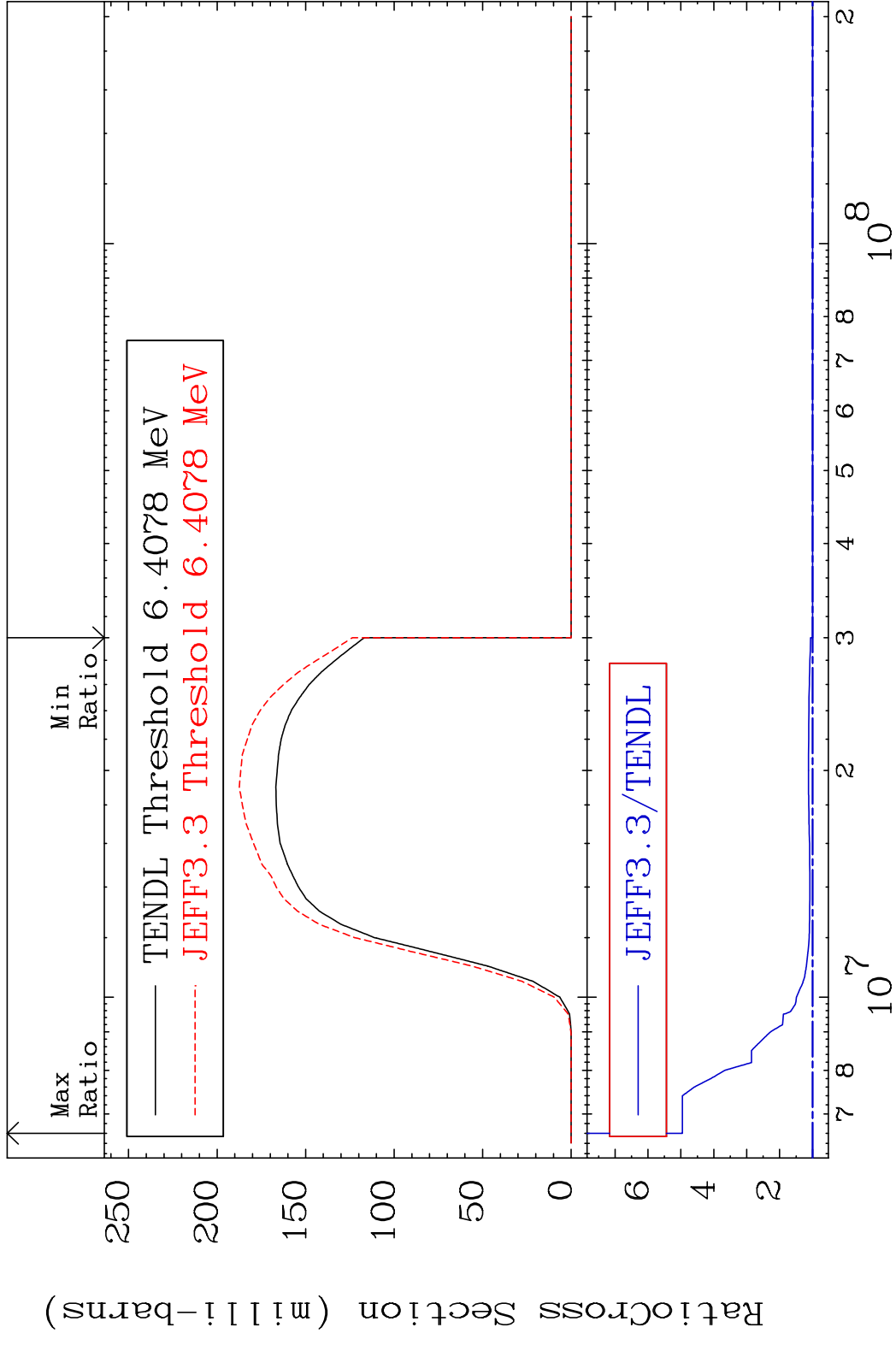


6

Incident Energy (MeV)

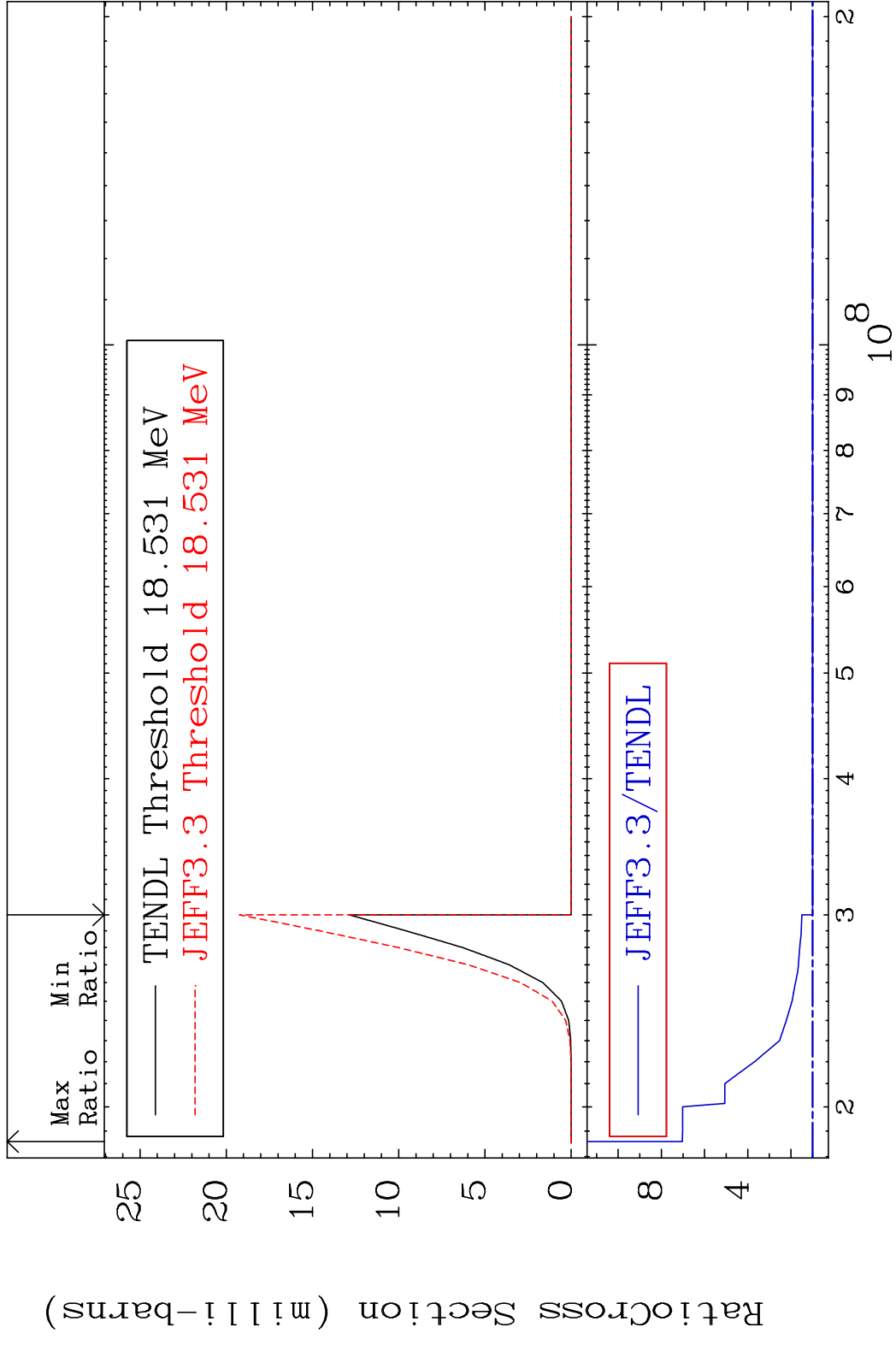
20-Ca-42

MAT 2031 $(n, n') \alpha$ 20-Ca-42
 Cross Section 0.000 To 395.6 %



7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2

MAT 2031 (n,2n) α 20-Ca-42
 Cross Section 0.000 To 602.8 %



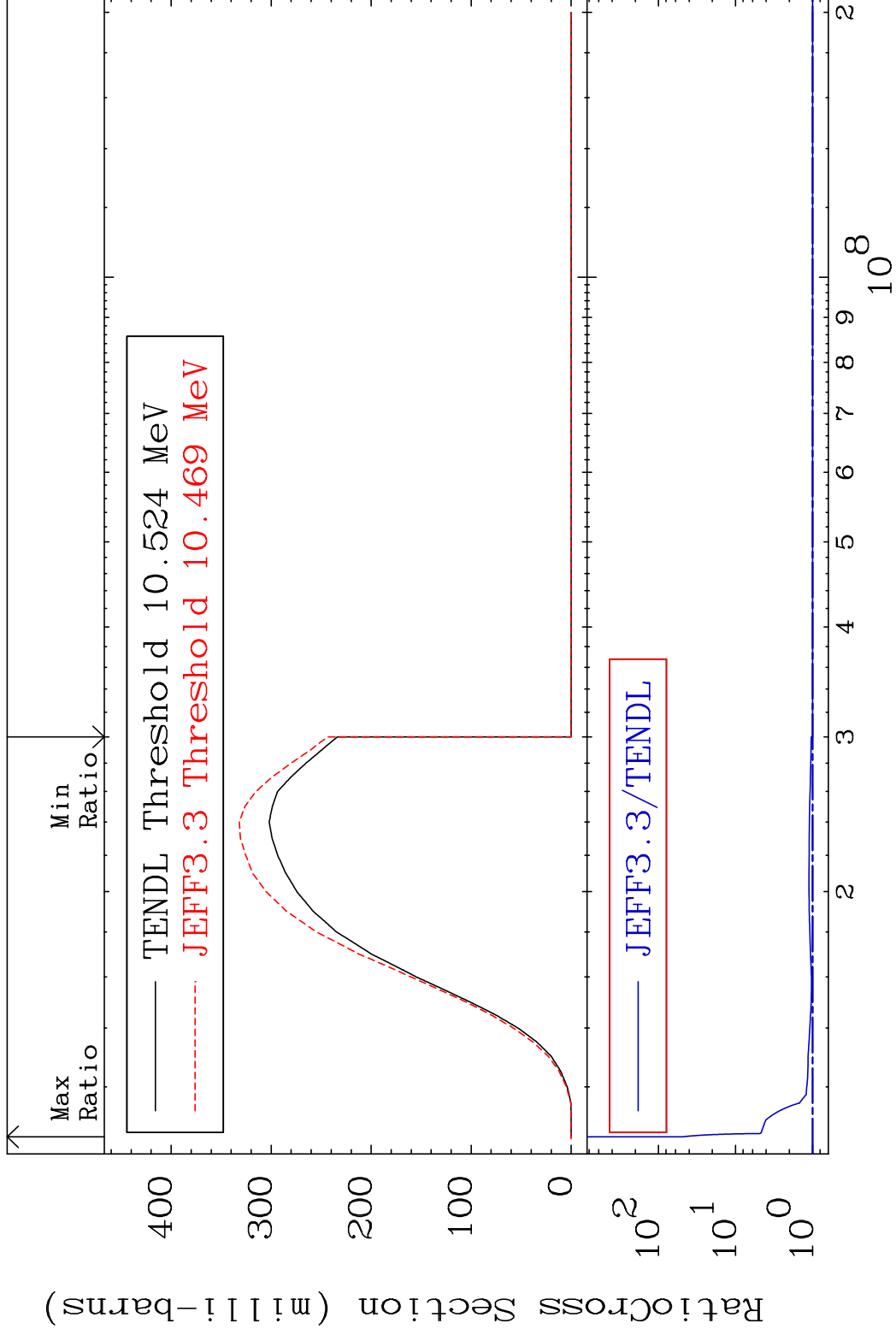
8 Incident Energy (eV) 20-Ca-42

MAT 2031

(n, n') p

20-Ca-42

Cross Section 0.000 To 4808. %

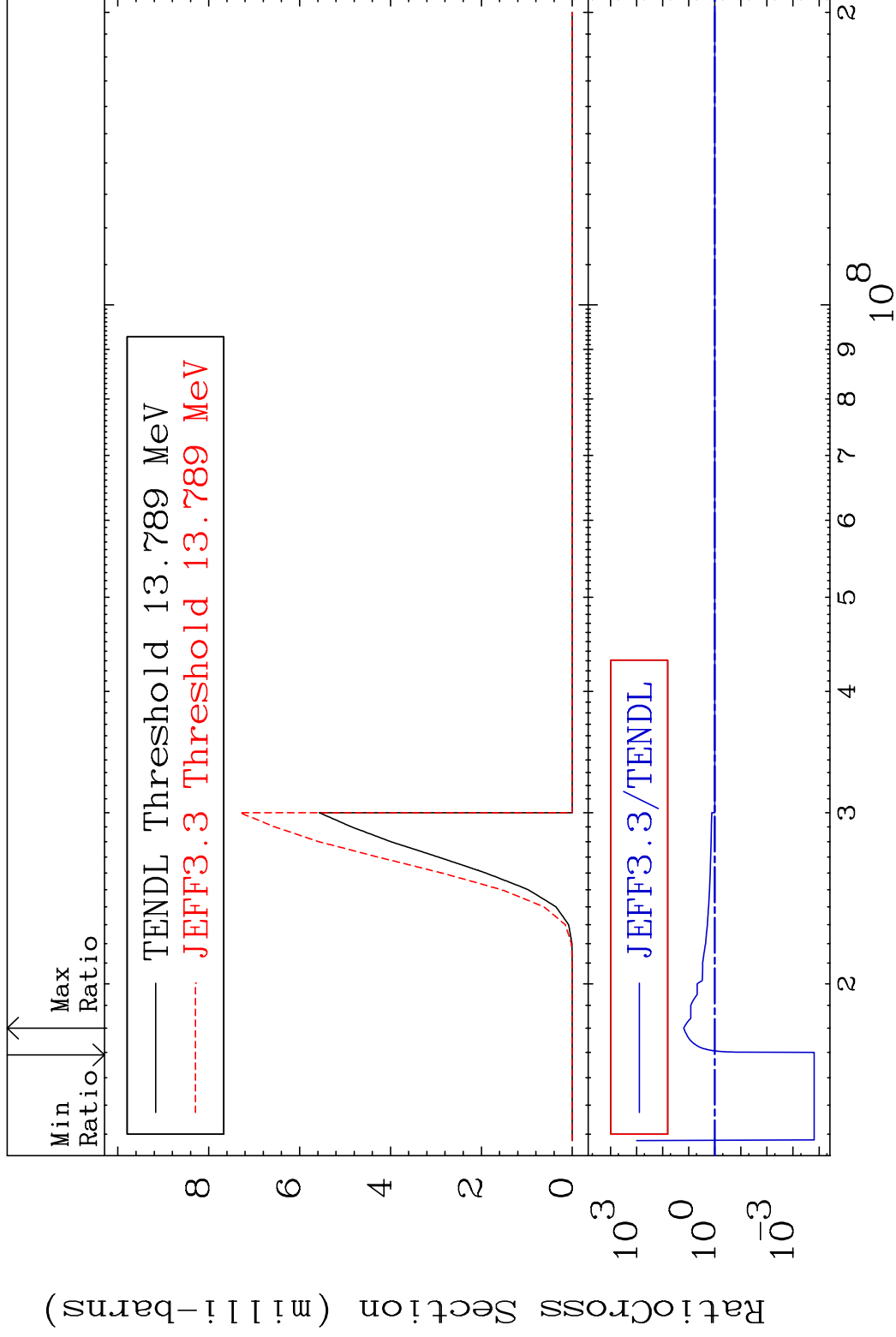


MAT 2031

(n, n') 2α

20-Ca-42

Cross Section -99.98 To 1468. %



10

Incident Energy (eV)

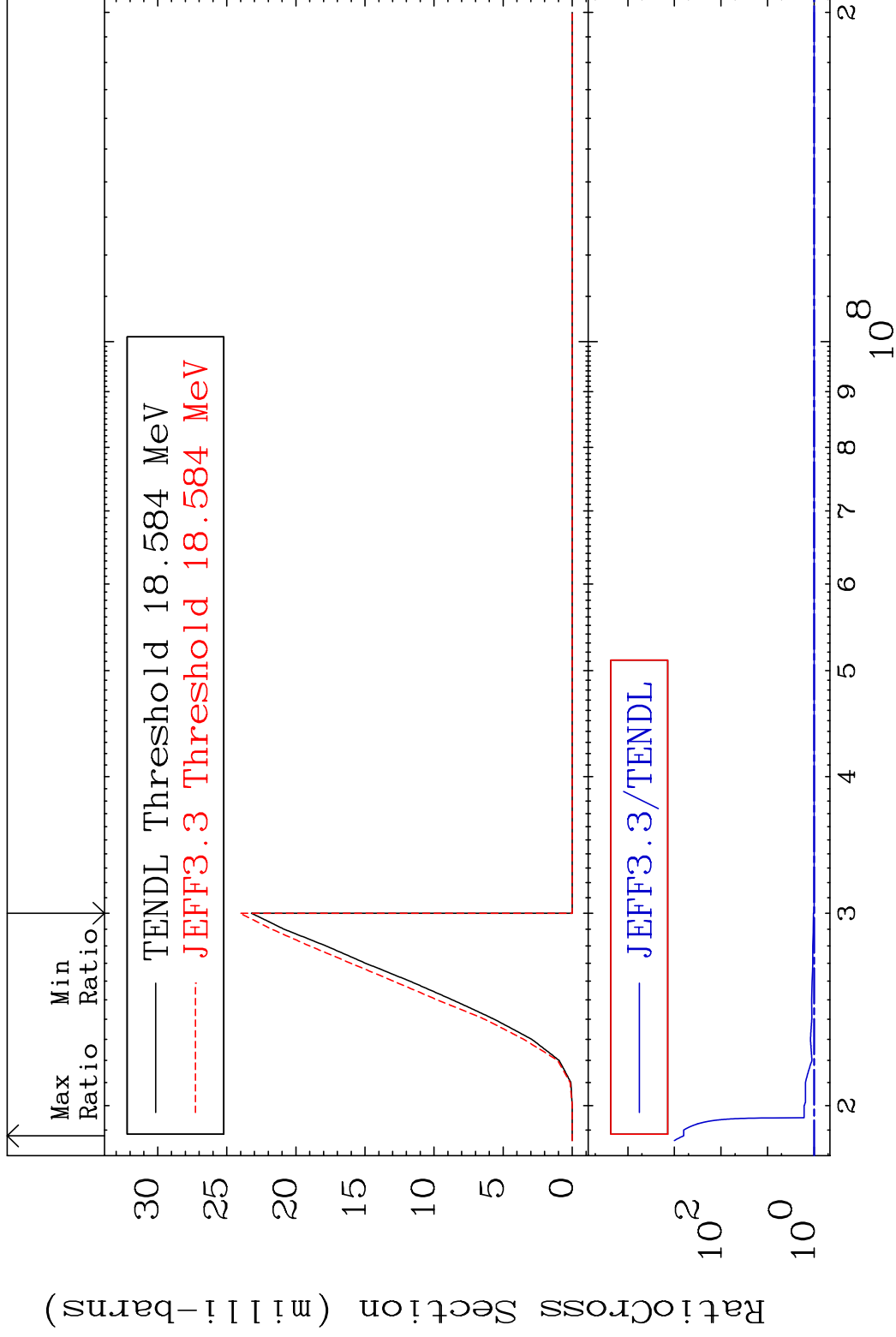
20-Ca-42

MAT 2031

(n, n') d

20-Ca-42

Cross Section 0.000 To 9999. %



11

Incident Energy (eV)

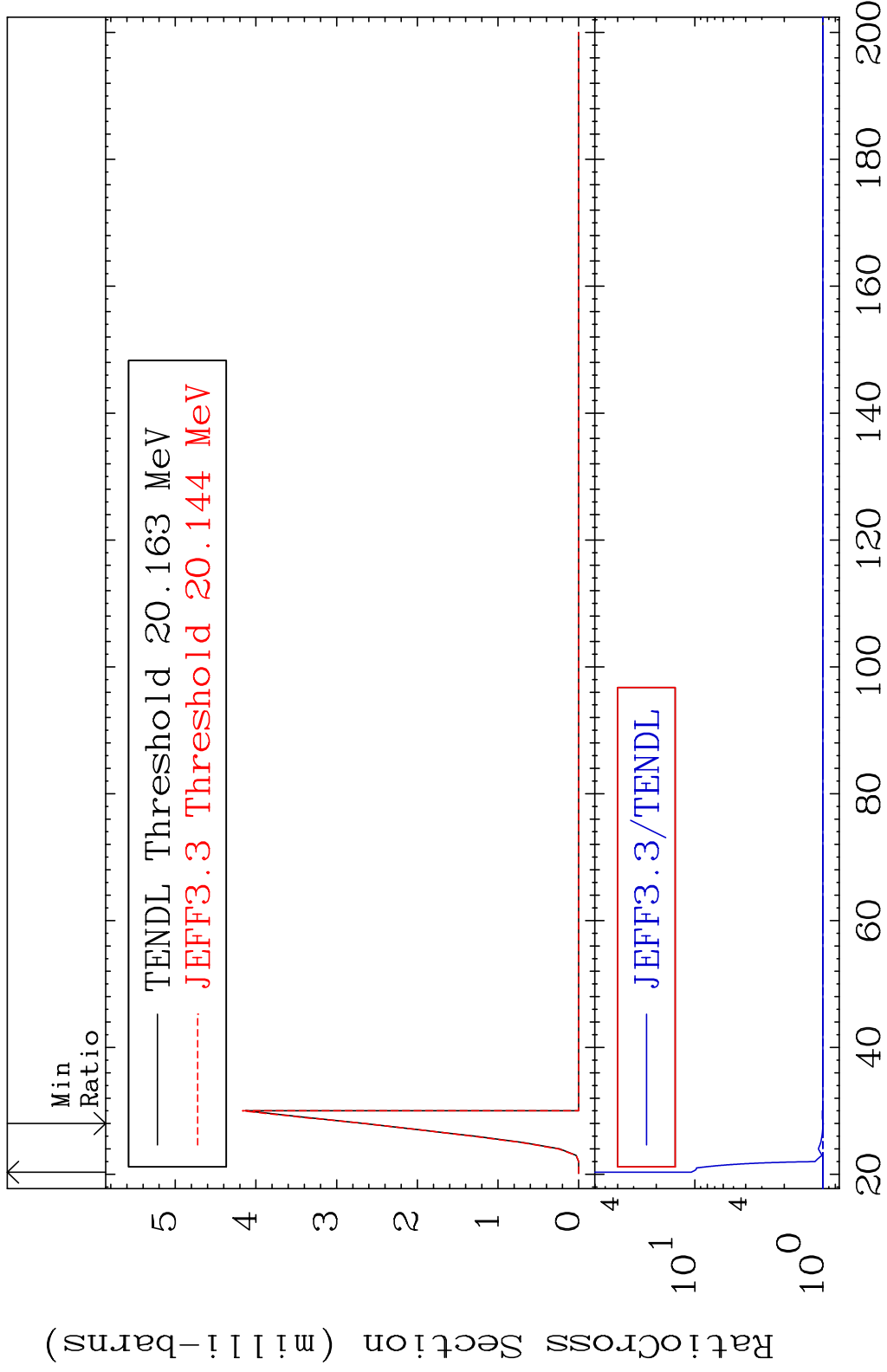
20-Ca-42

MAT 2031

(n, n') t

20-Ca-42

Cross Section -0.581 To 963.9 %

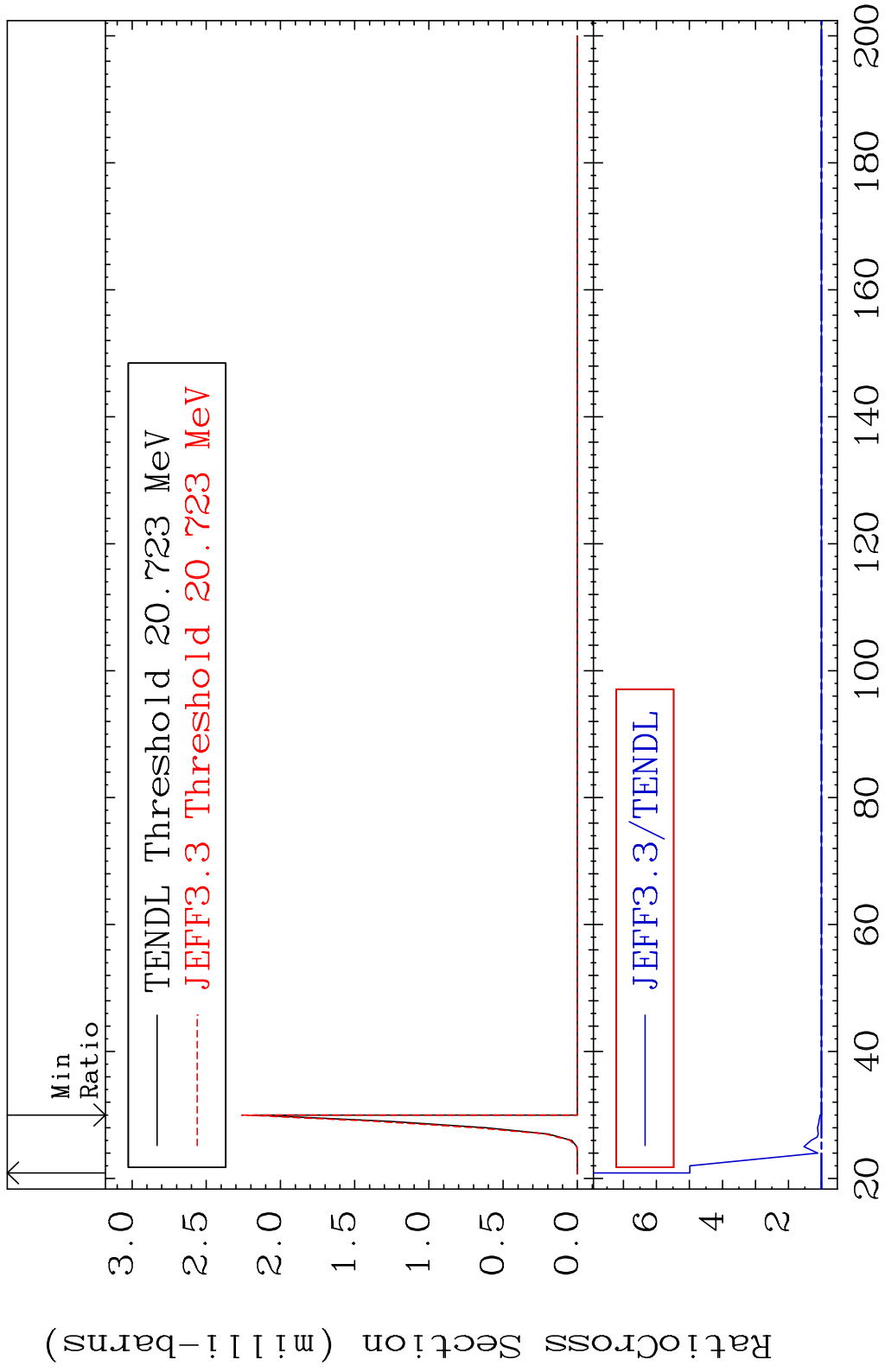


12

Incident Energy (MeV)

20-Ca-42

MAT 2031 (n,n') He-3 20-Ca-42
 Cross Section 0.000 To 399.0 %

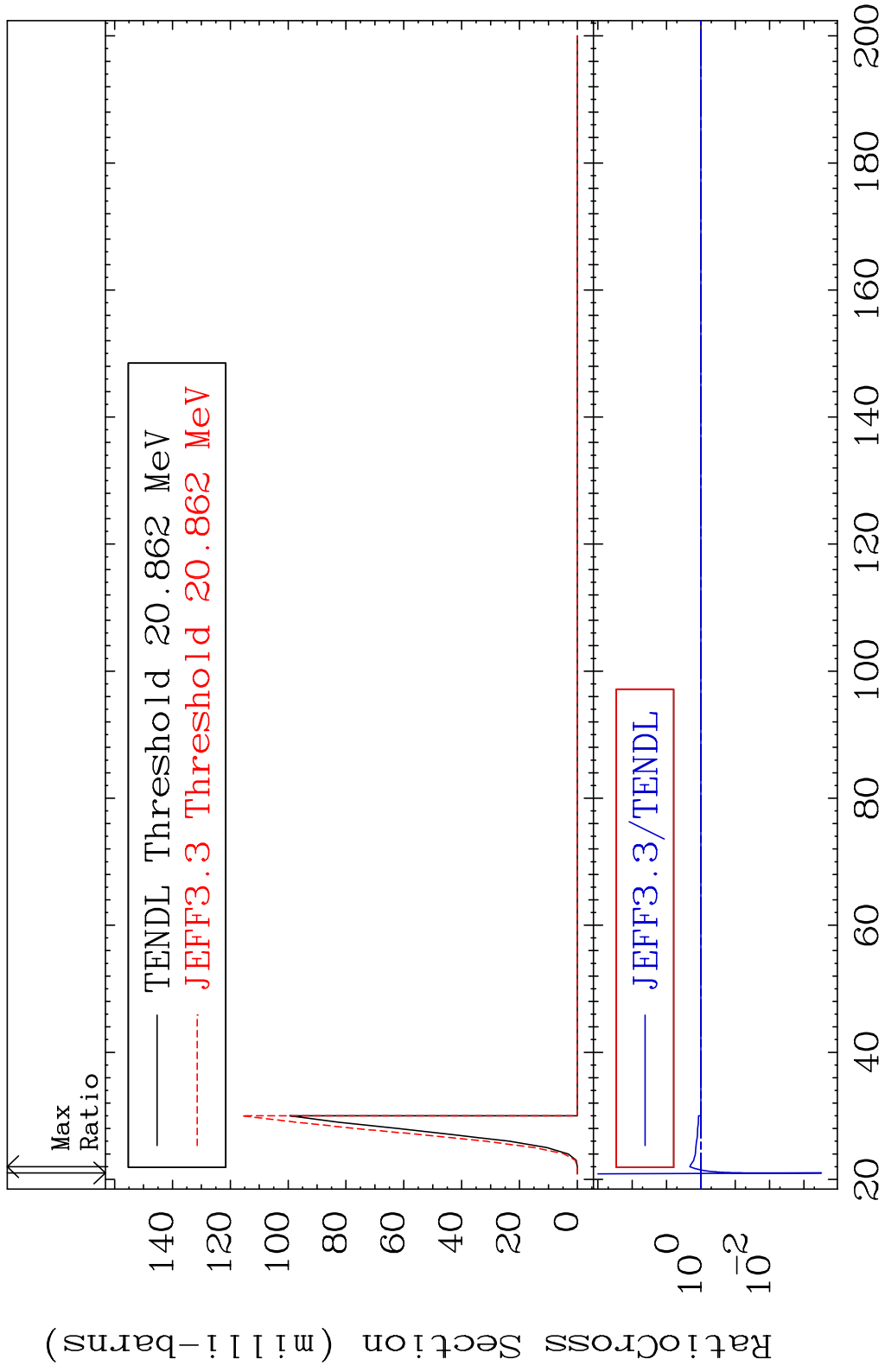


MAT 2031

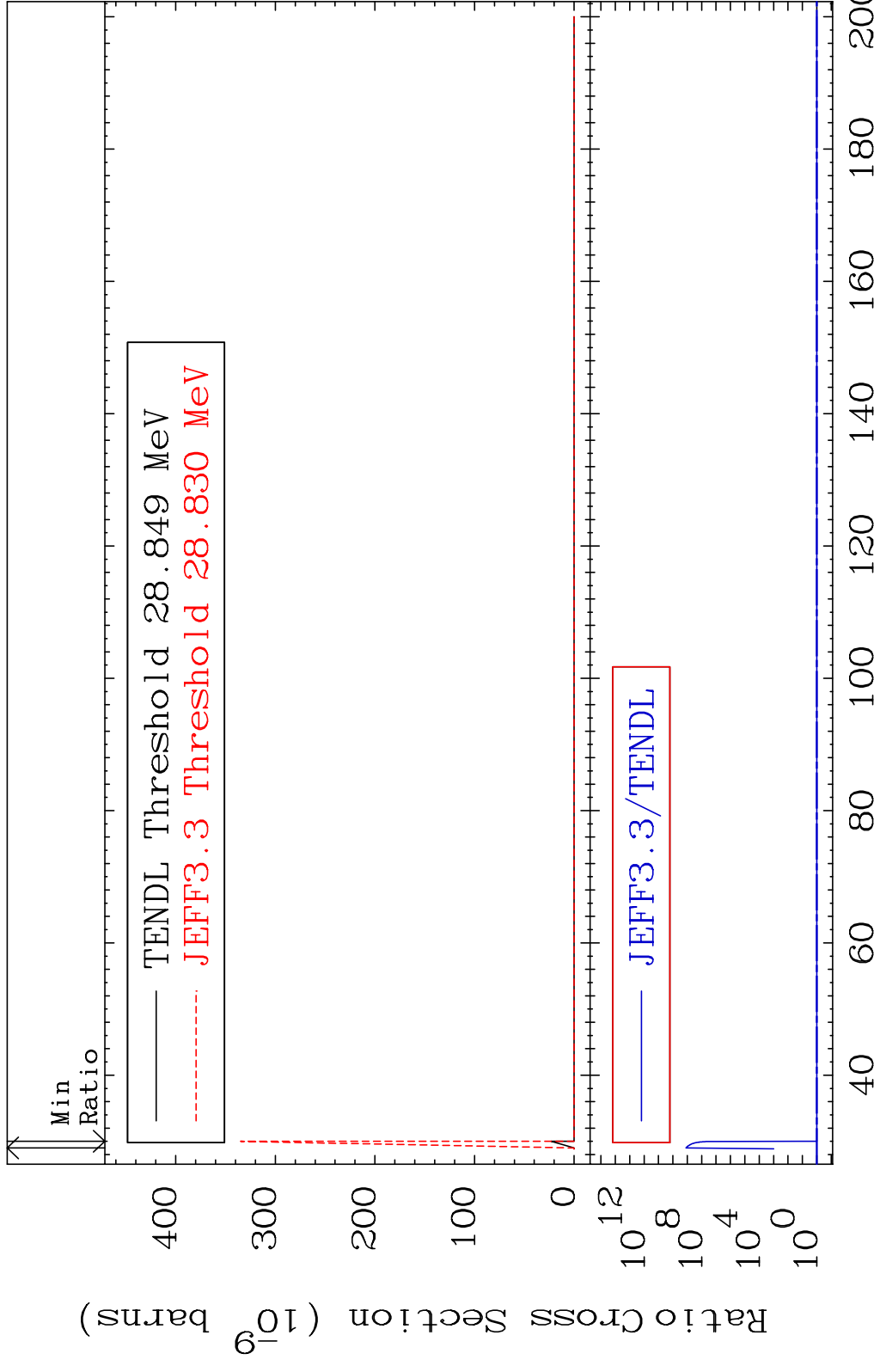
(n,2n) p

20-Ca-42

Cross Section -99.97 To 110.3 %



MAT 2031 (n,3n) p 20-Ca-42
 Cross Section 0.000 To 9999. %

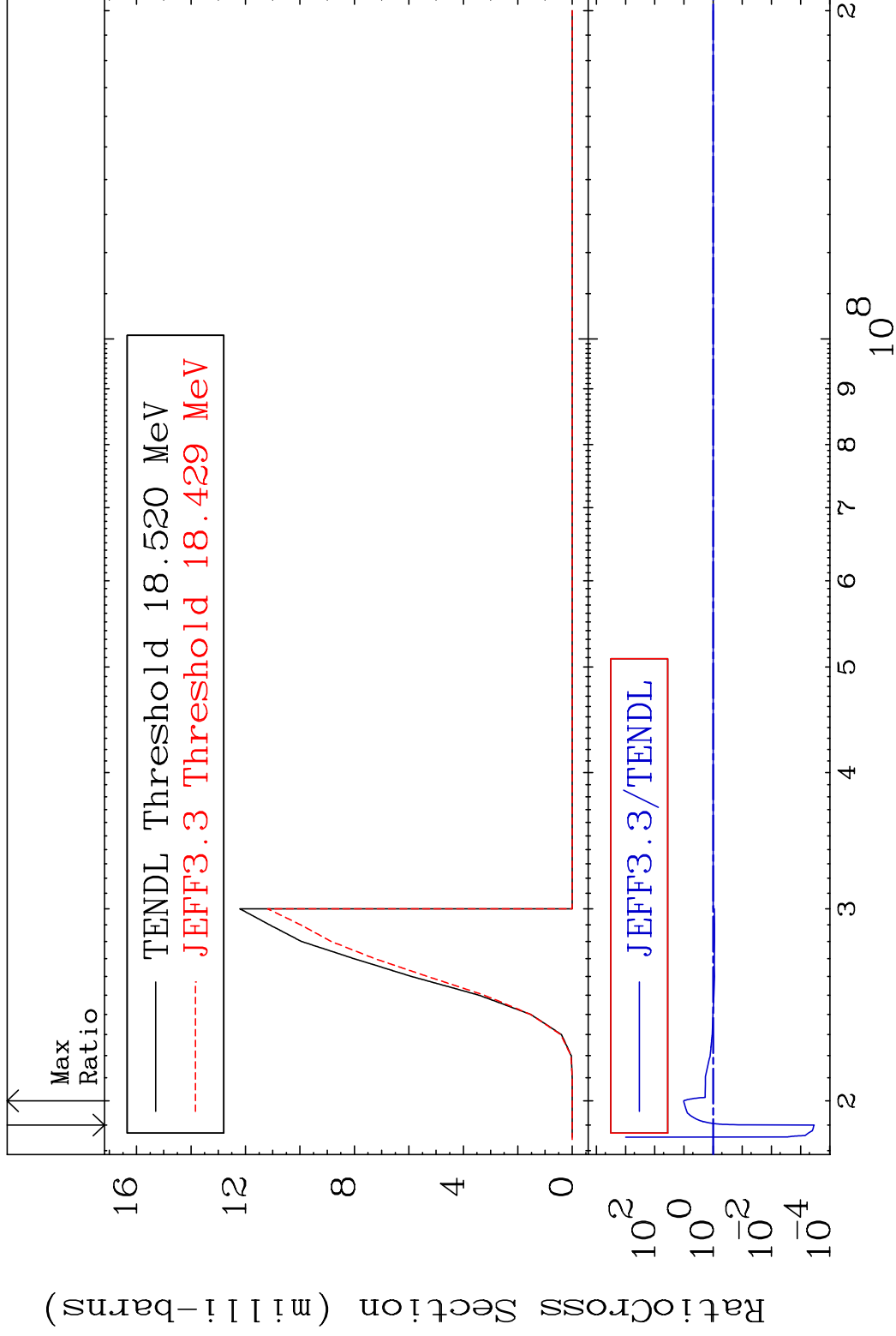


MAT 2031

(n,2n) p

20-Ca-42

Cross Section -99.97 To 922.7 %



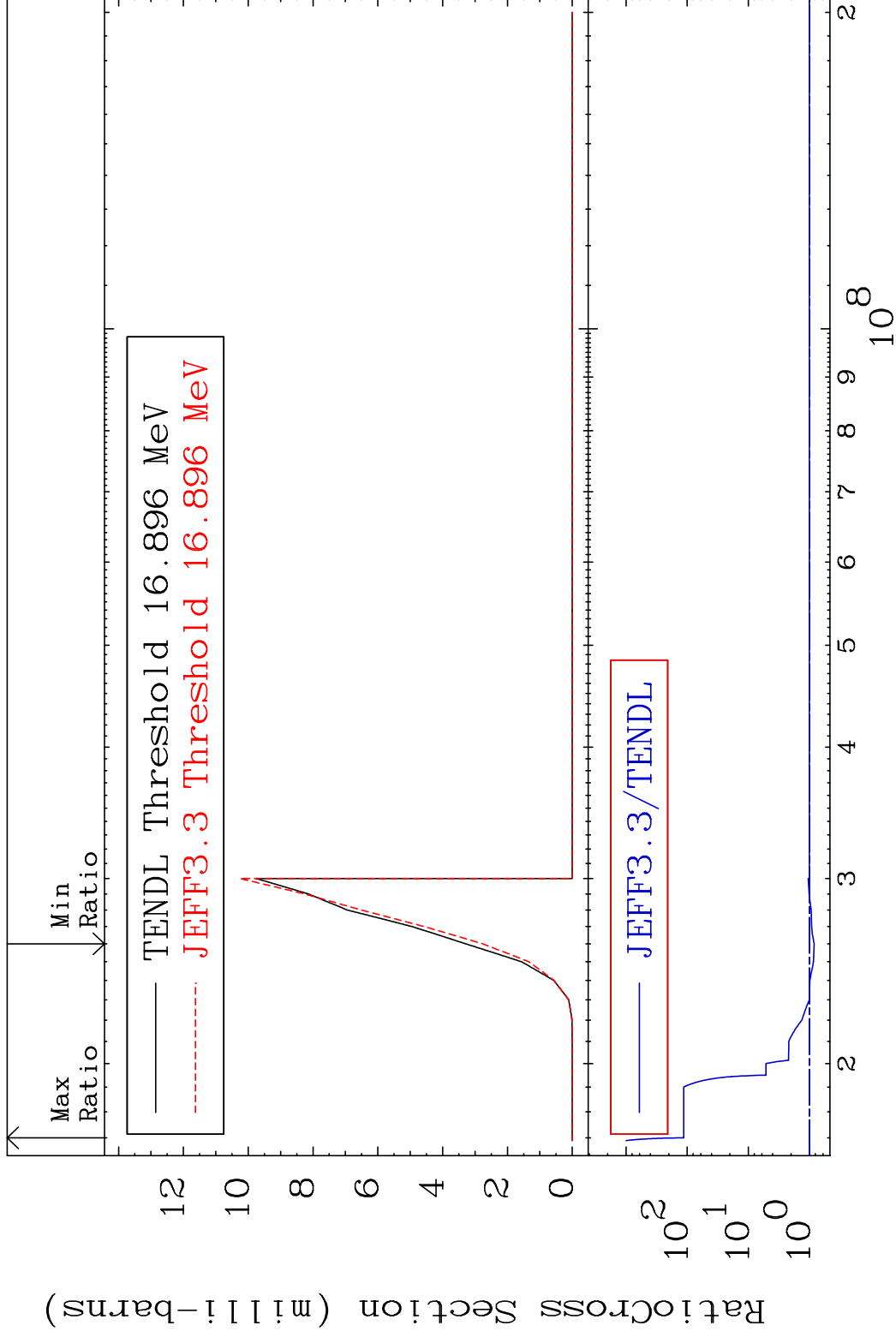
16

Incident Energy (eV)

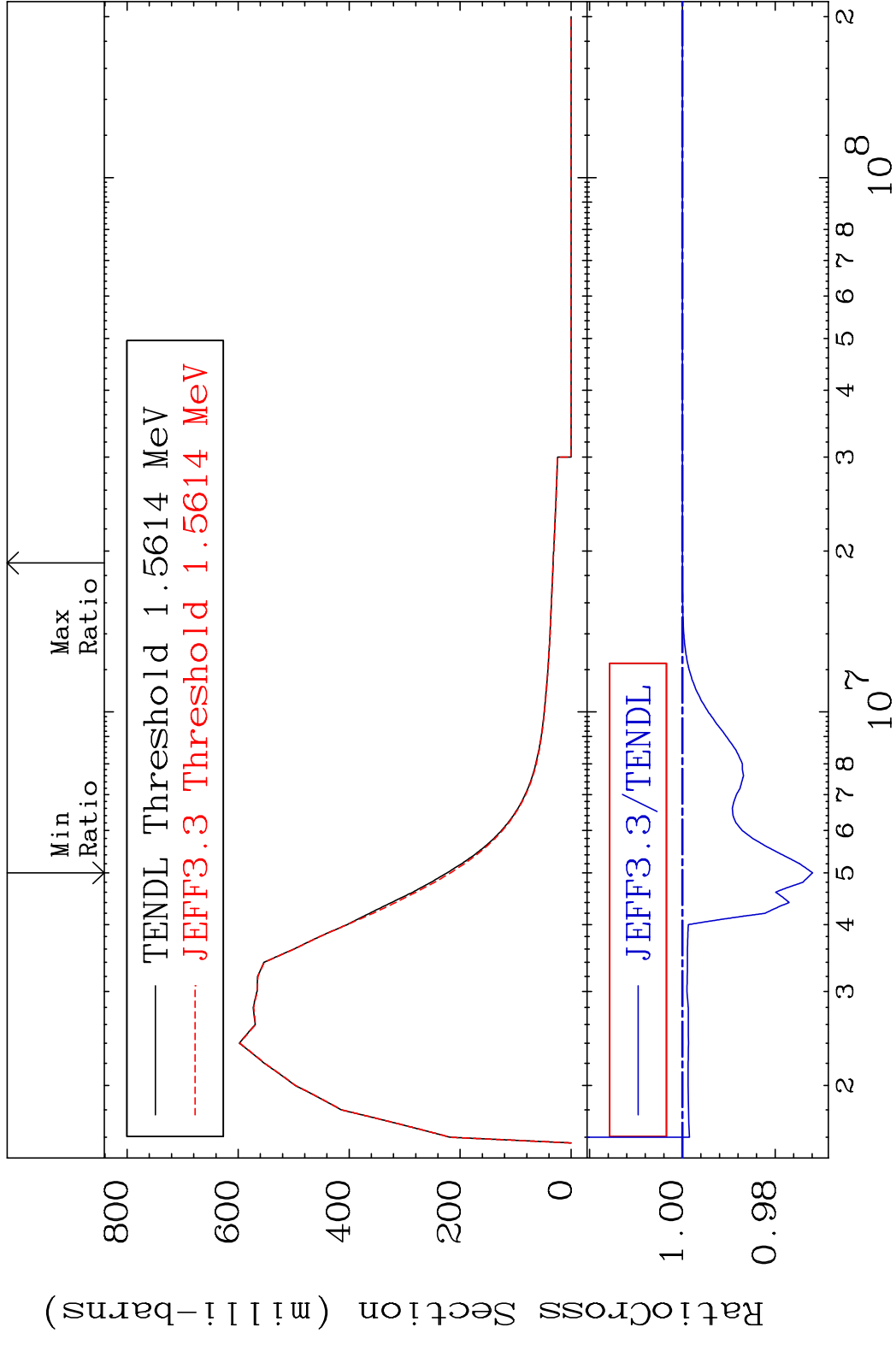
20-Ca-42

MAT 2031

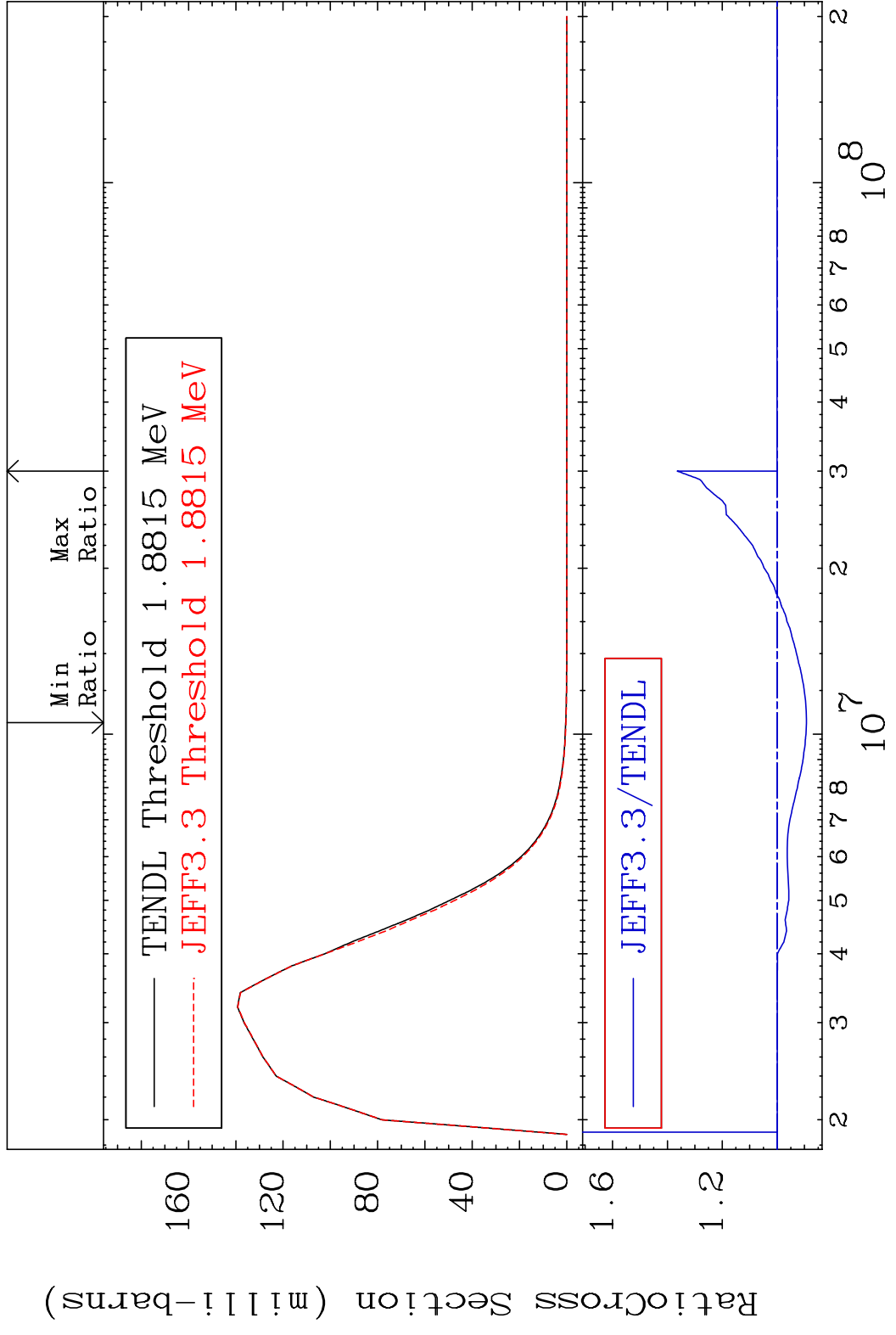
(n,n') p α 20-Ca-42
Cross Section -16.05 To 9999. %



MAT 2031 MT= 51 (n, n') Level 20-Ca-42
 Cross Section -2.807 To 0.000 %

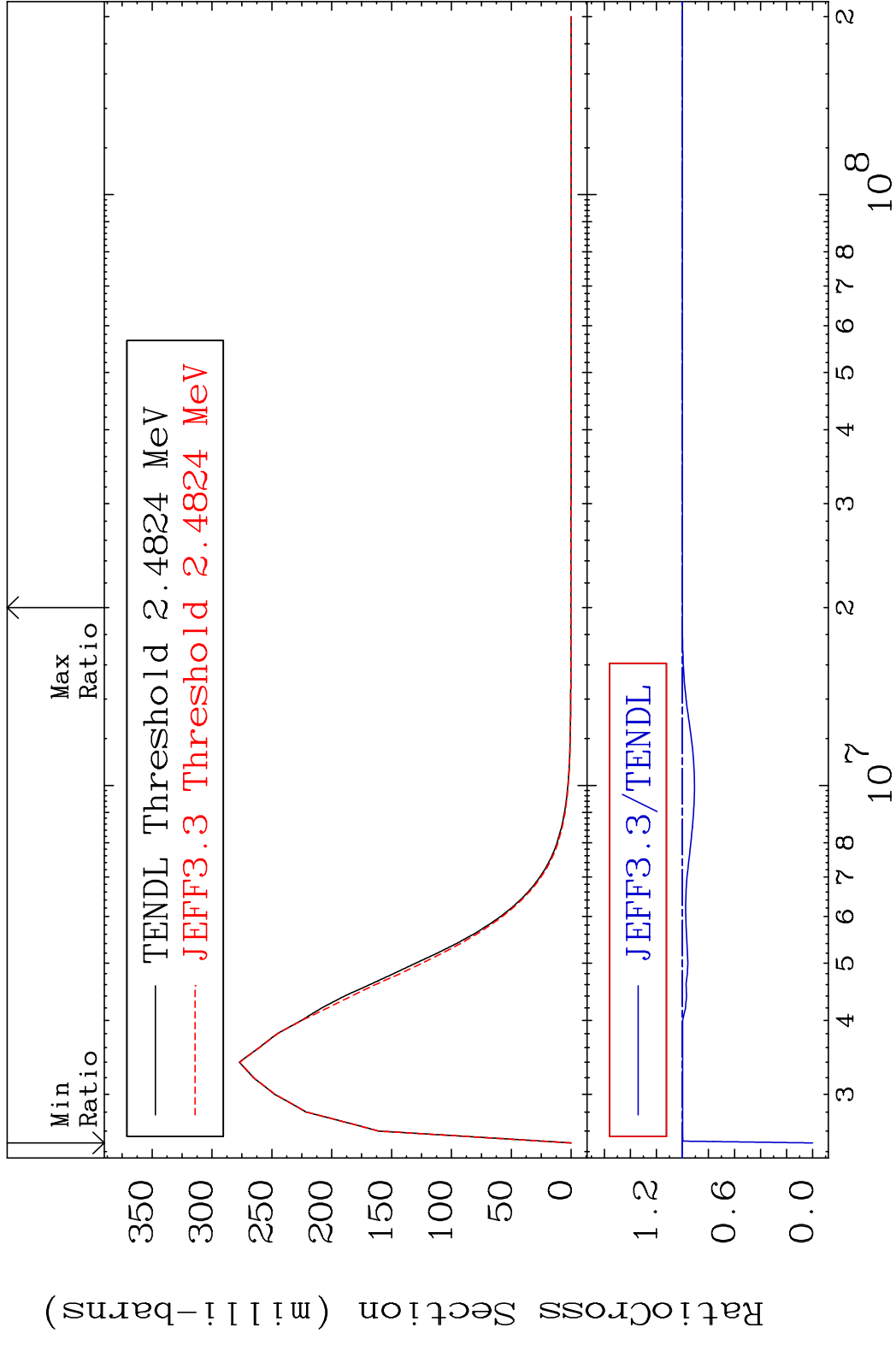


MAT 2031 MT= 52 (n, n') Level 20-Ca-42
 Cross Section -10.70 To 36.43 %

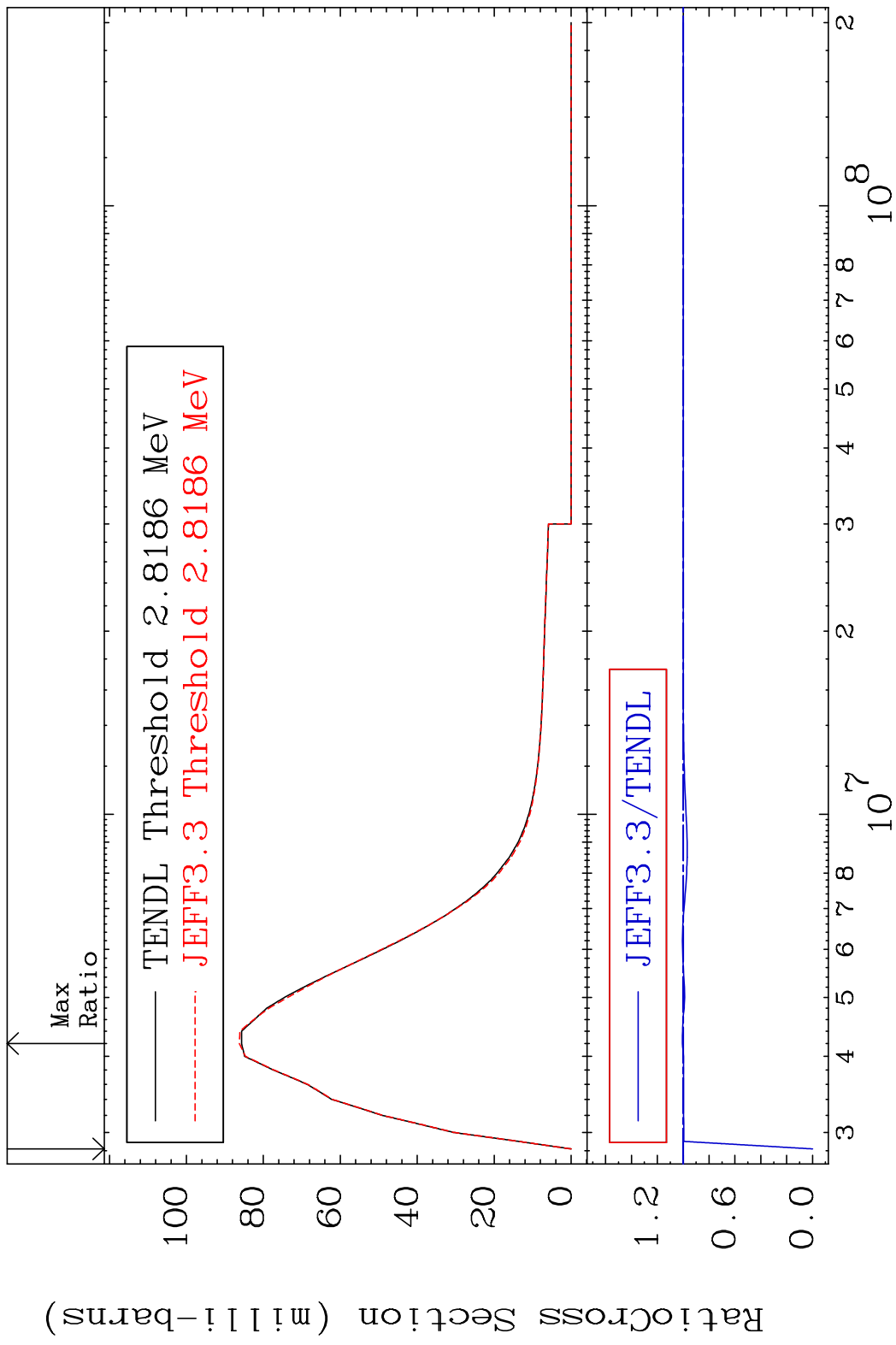


19 Incident Energy (eV) 20-Ca-42

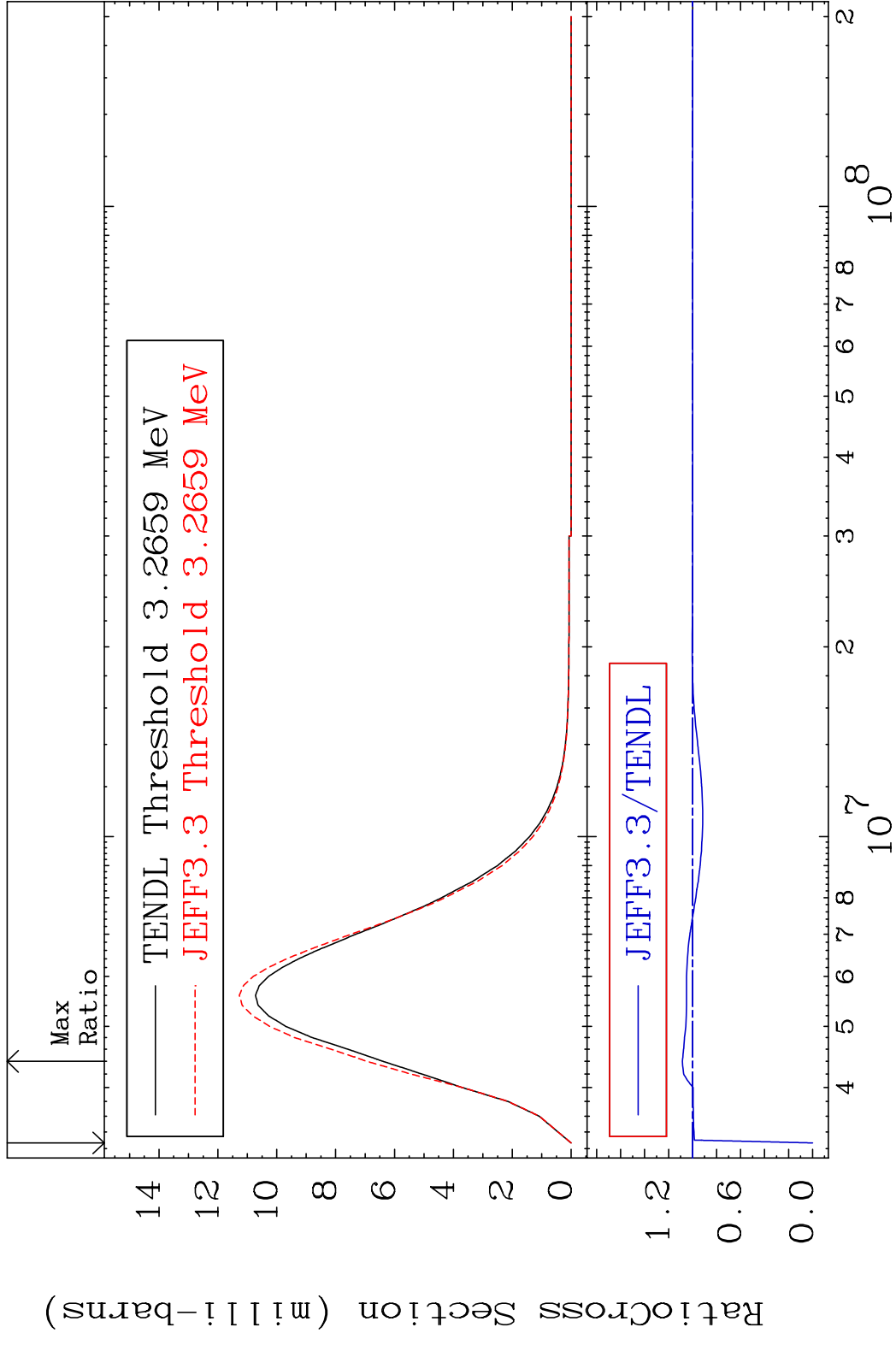
MAT 2031 MT= 53 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 0.091 %



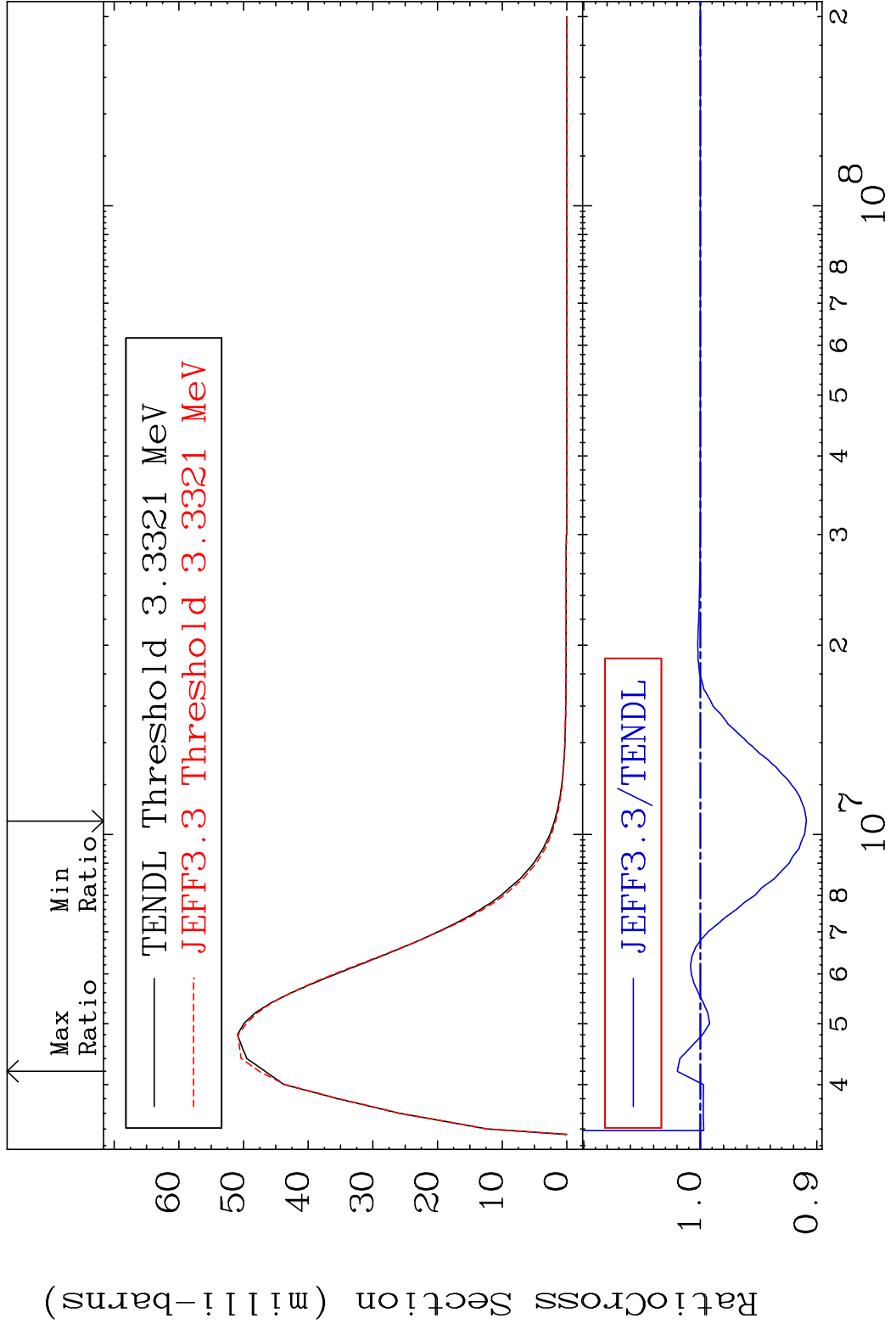
MAT 2031 MT= 54 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 0.667 %



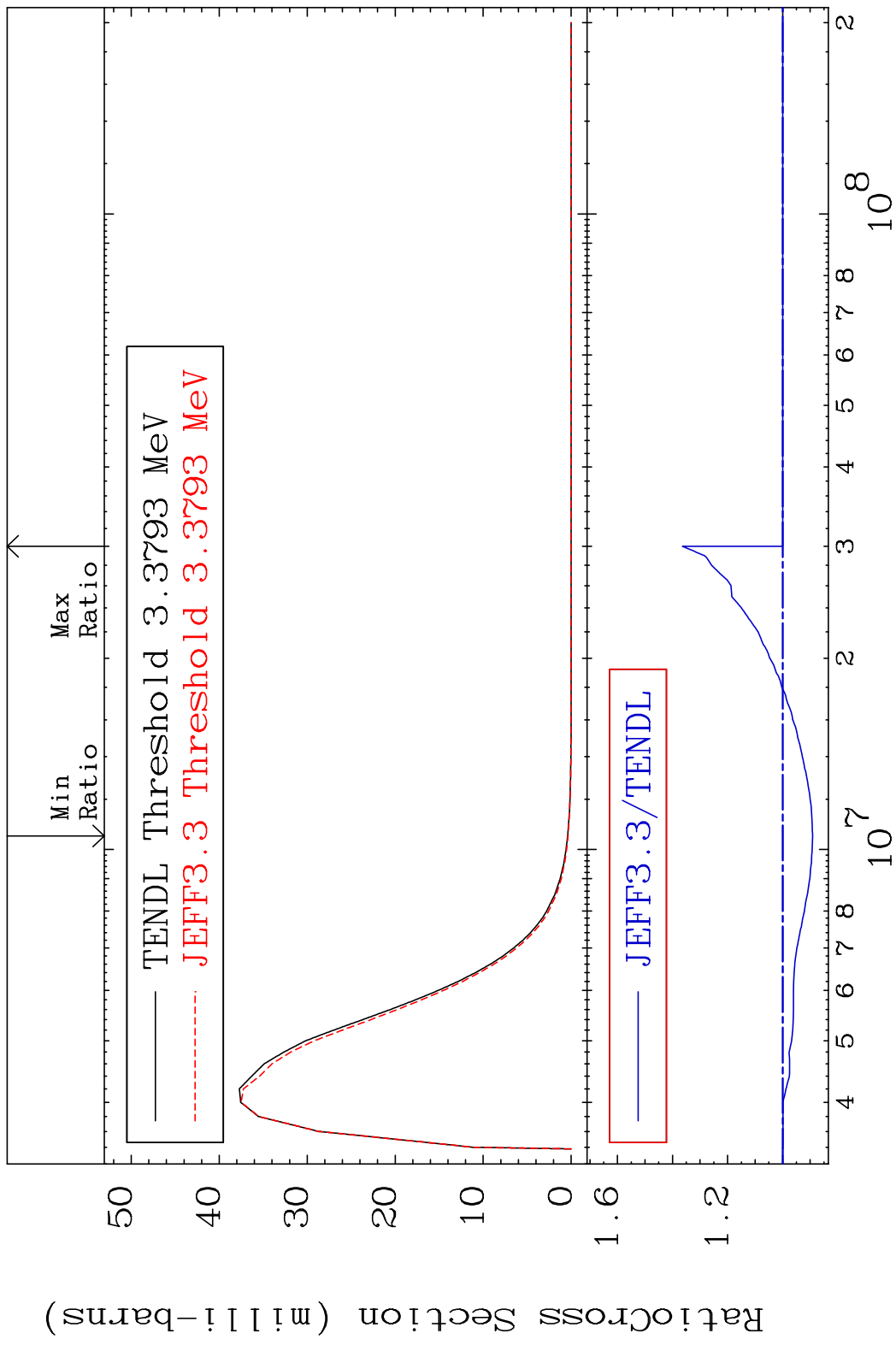
MAT 2031 MT= 55 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 8.555 %



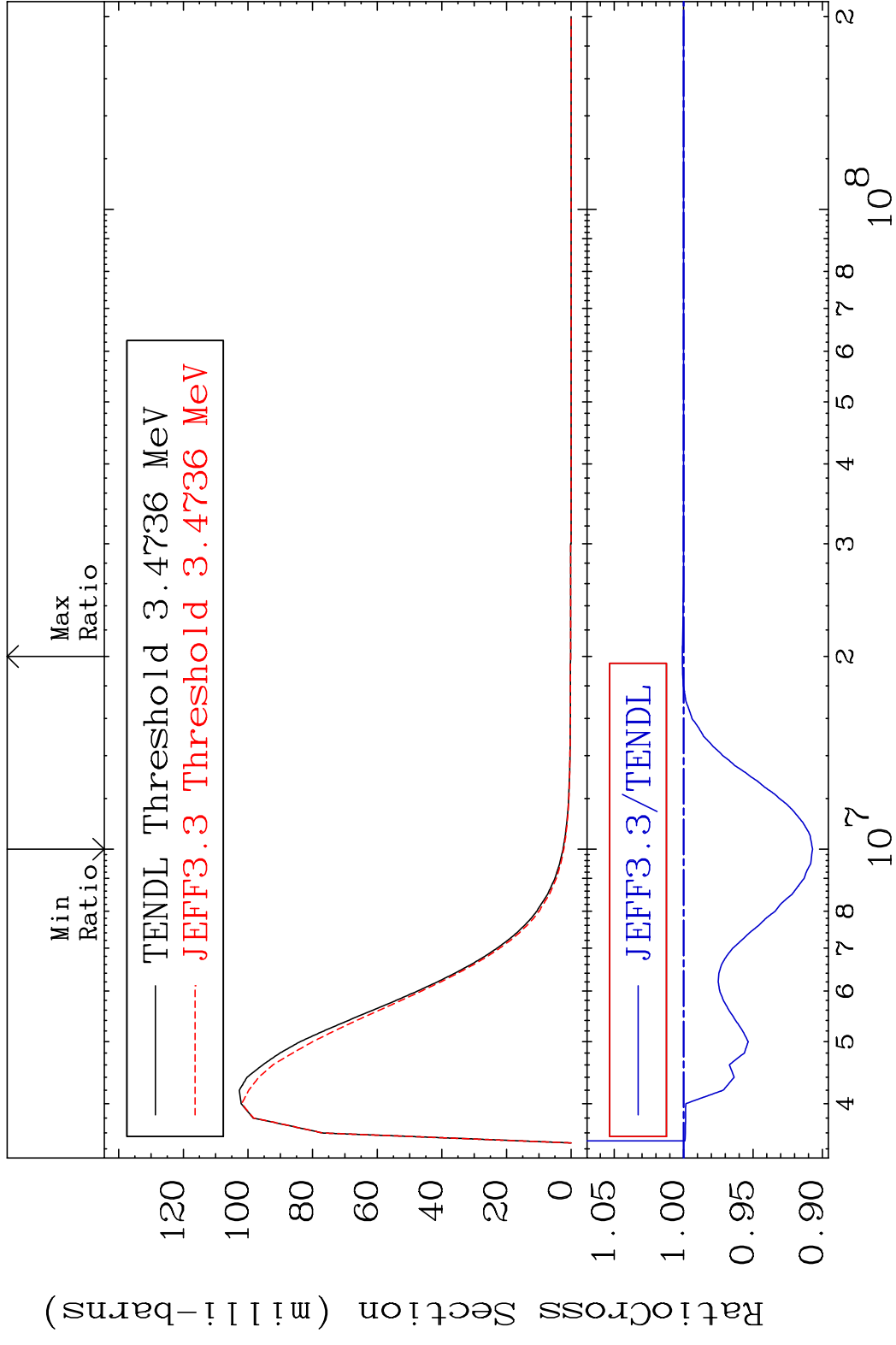
MAT 2031 MT= 56 (n,n') Level 20-Ca-42
 Cross Section -9.103 To 1.985 %



MAT 2031 MT= 57 (n, n') Level 20-Ca-42
 Cross Section -10.86 To 36.43 %



MAT 2031 MT= 58 (n, n') Level 20-Ca-42
 Cross Section -9.292 To 0.092 %

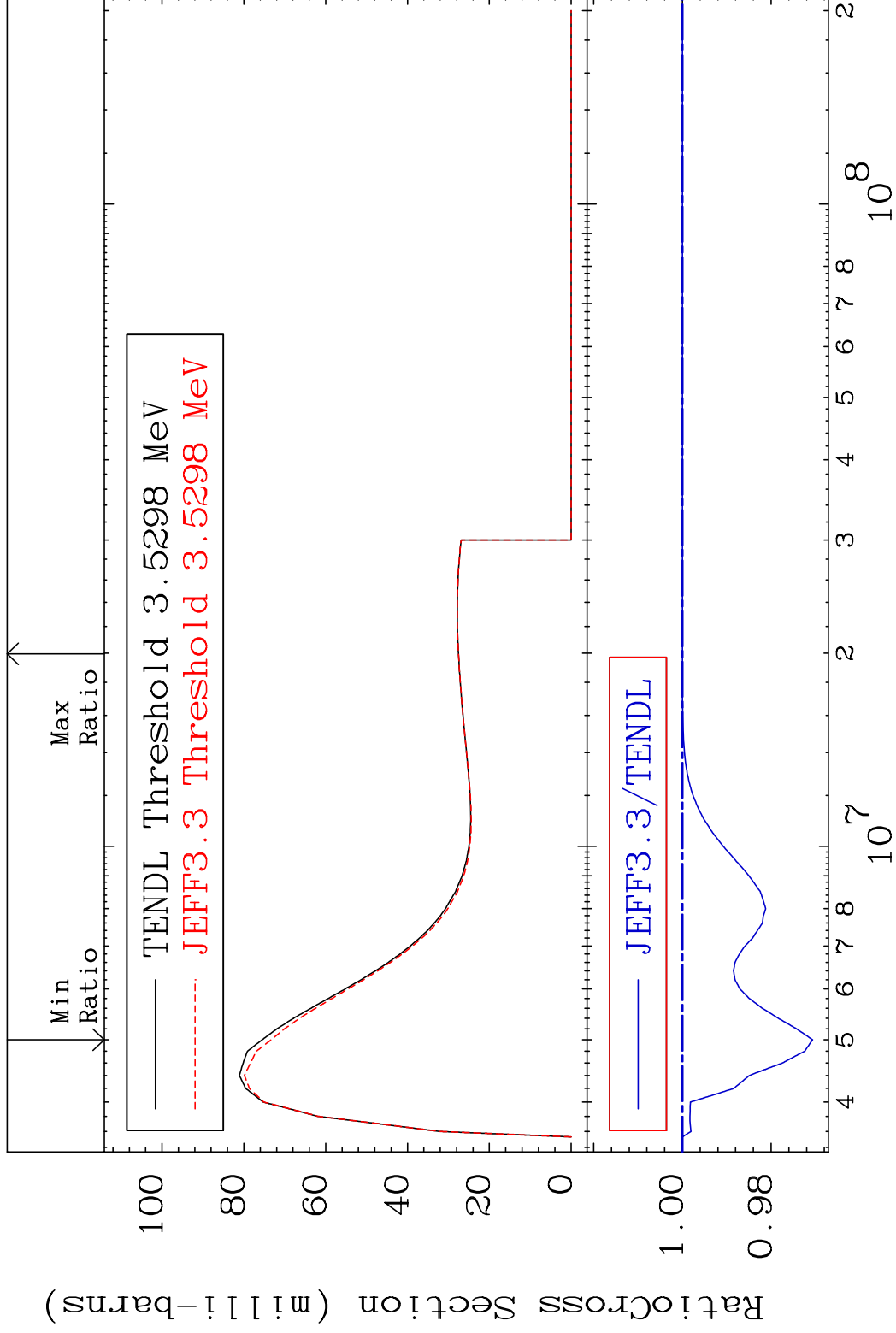


MAT 2031

MT= 59 (n,n') Level

20-Ca-42

Cross Section -2.934 To 0.000 %

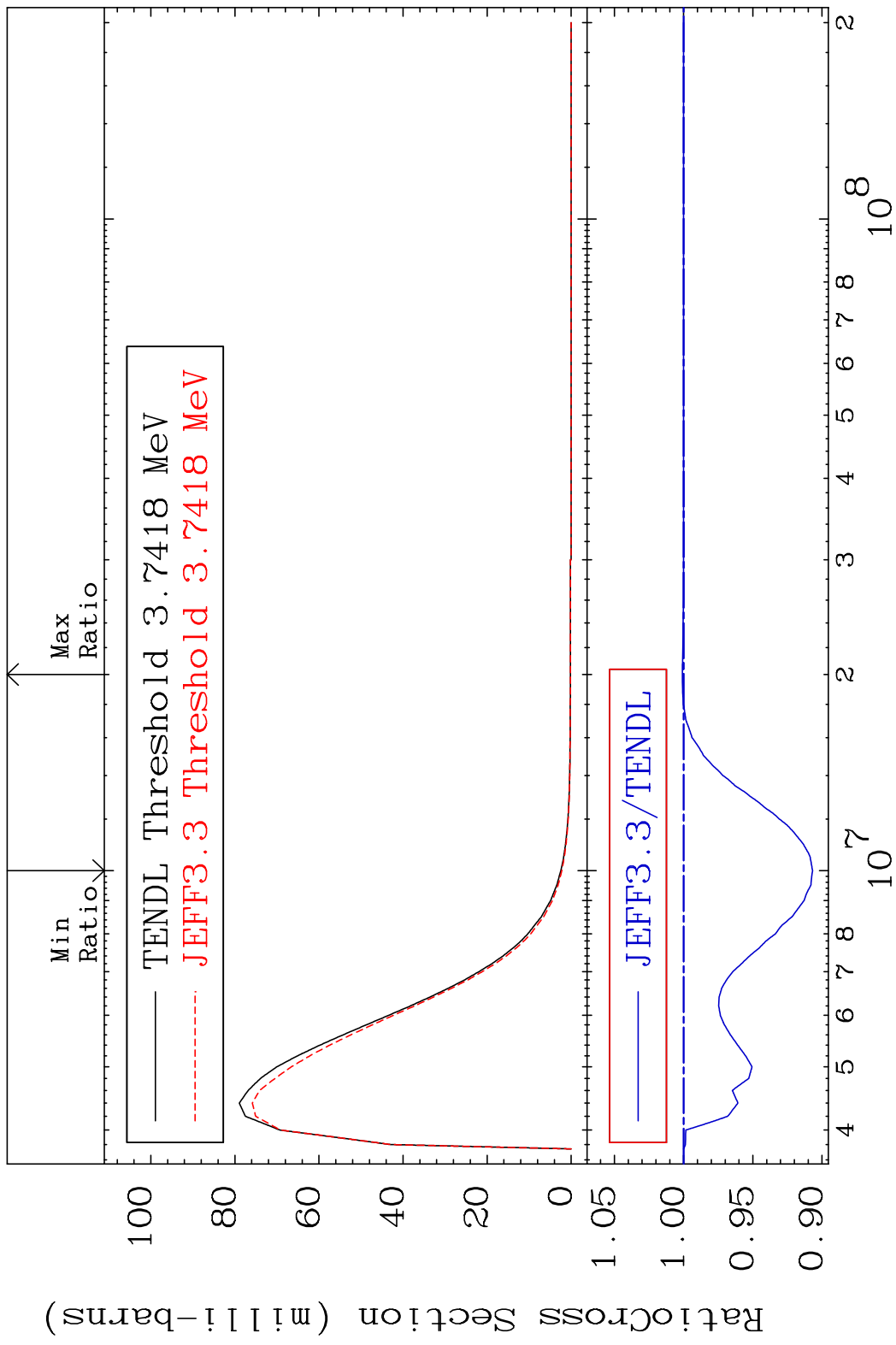


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Incident Energy (eV)

20-Ca-42

MAT 2031 MT= 60 (n, n') Level 20-Ca-42
 Cross Section -9.317 To 0.093 %

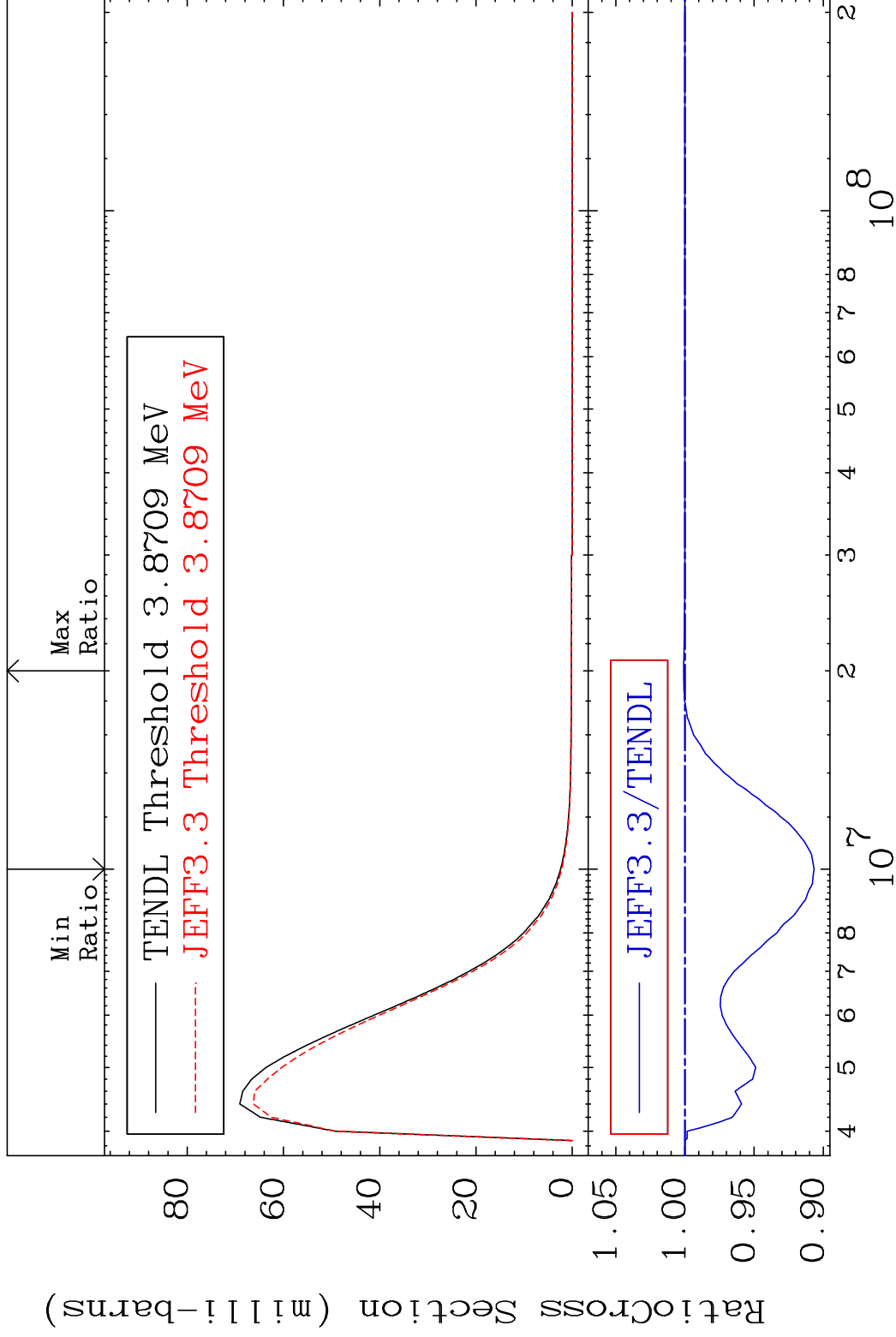


MAT 2031

MT= 61 (n, n') Level

20-Ca-42

Cross Section -9.329 To 0.093 %

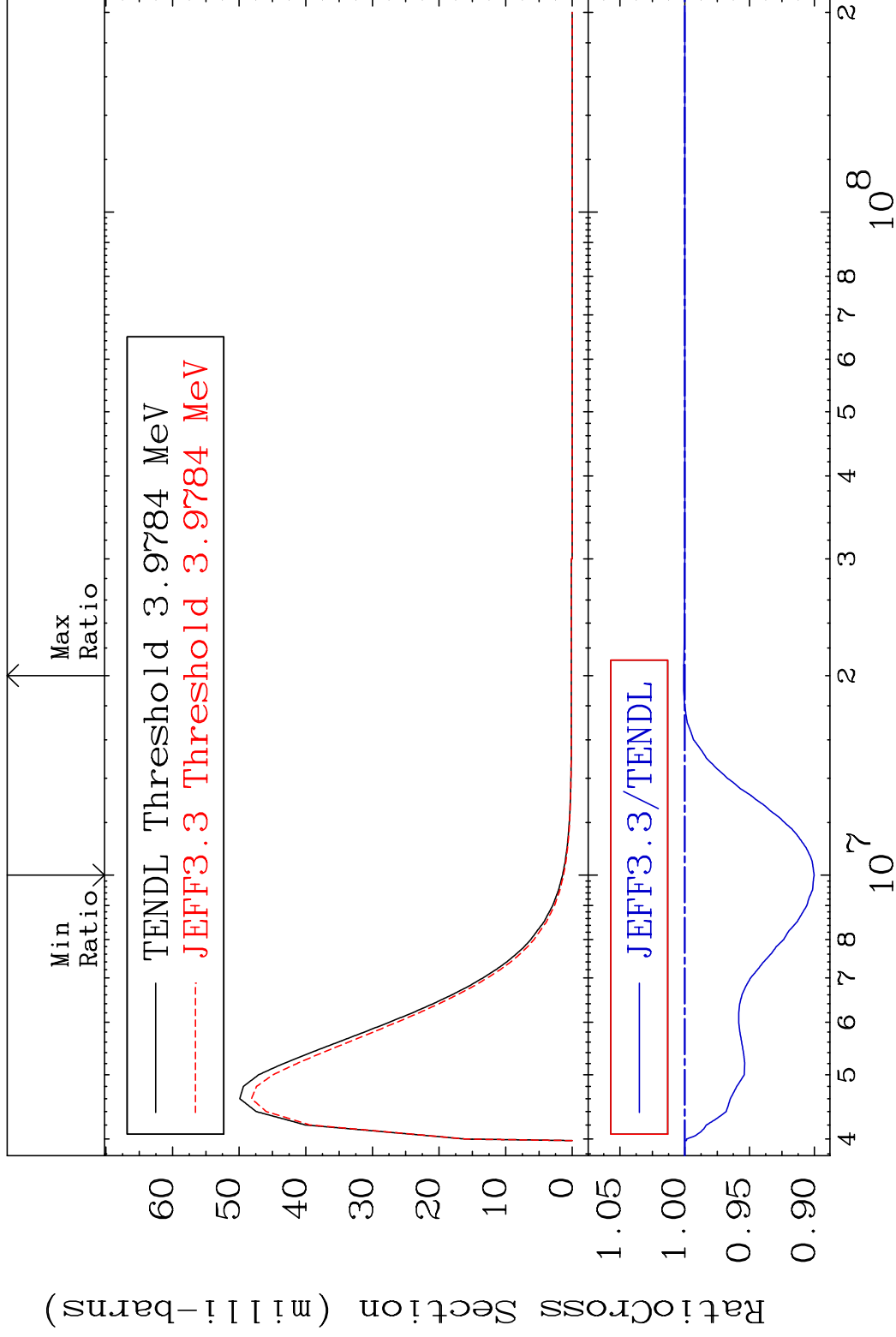


MAT 2031

MT= 62 (n, n') Level

20-Ca-42

Cross Section -9.975 To 0.084 %



29

Incident Energy (eV)

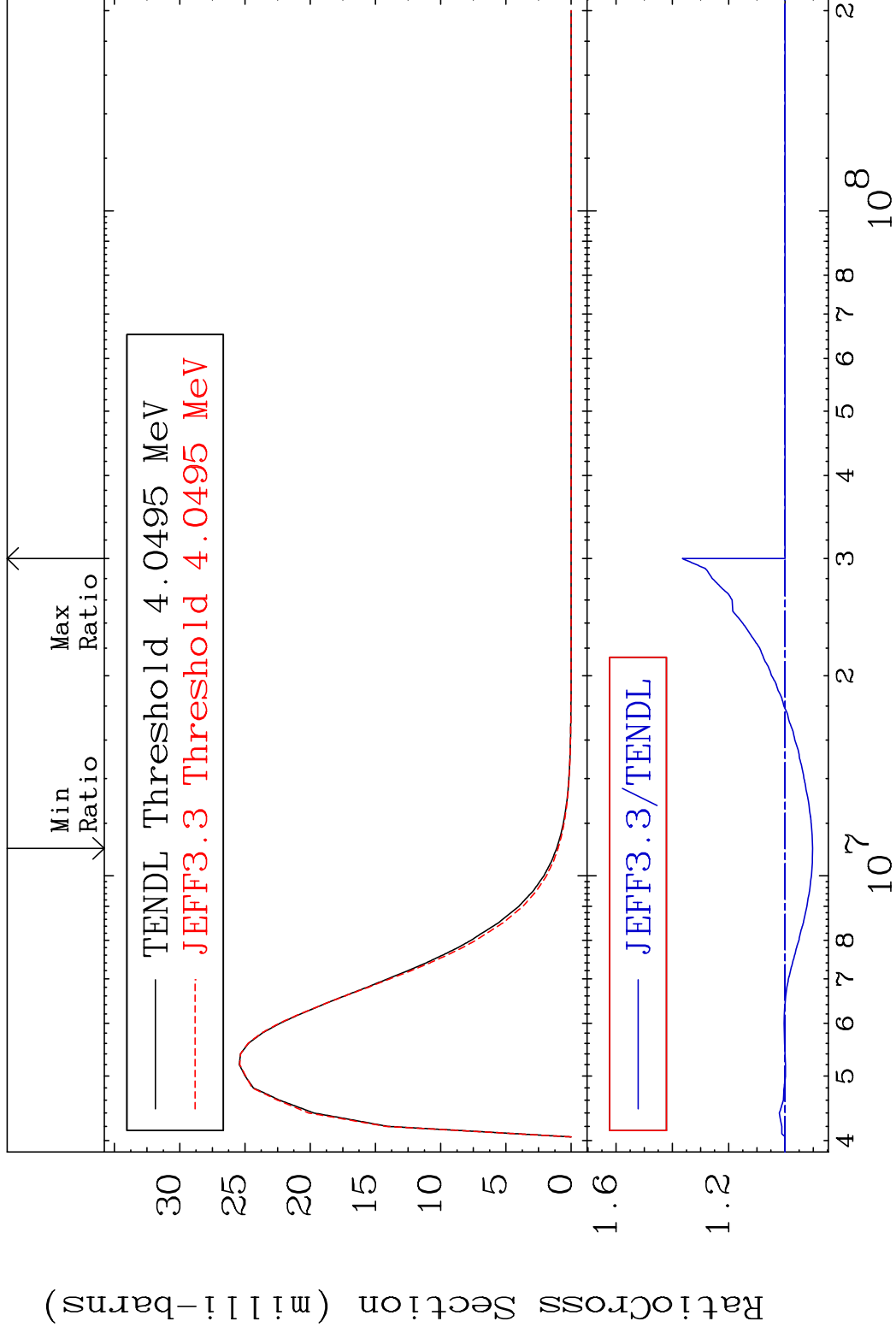
20-Ca-42

MAT 2031

MT= 63 (n, n') Level

20-Ca-42

Cross Section -9.756 To 36.46 %

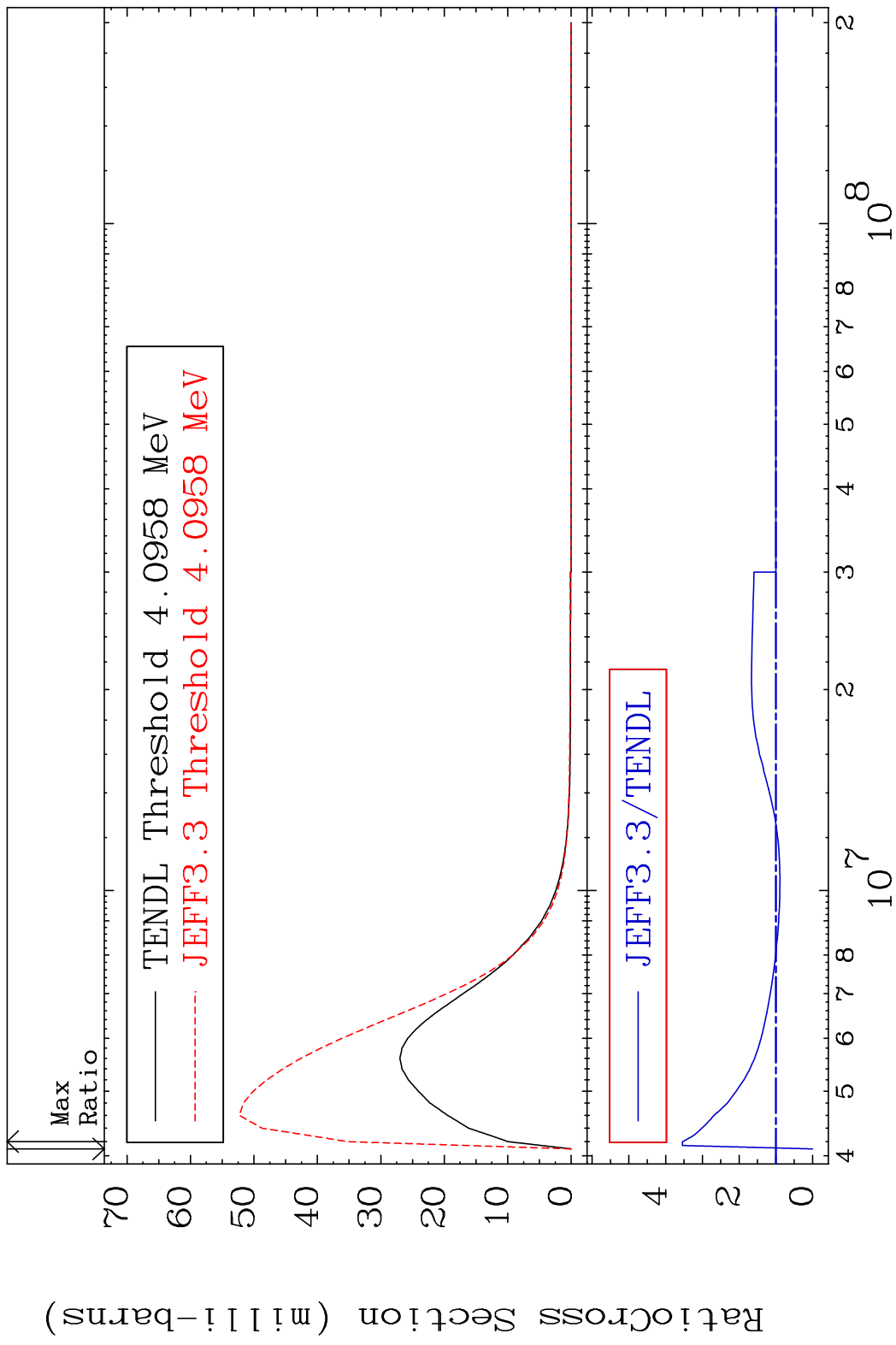


30

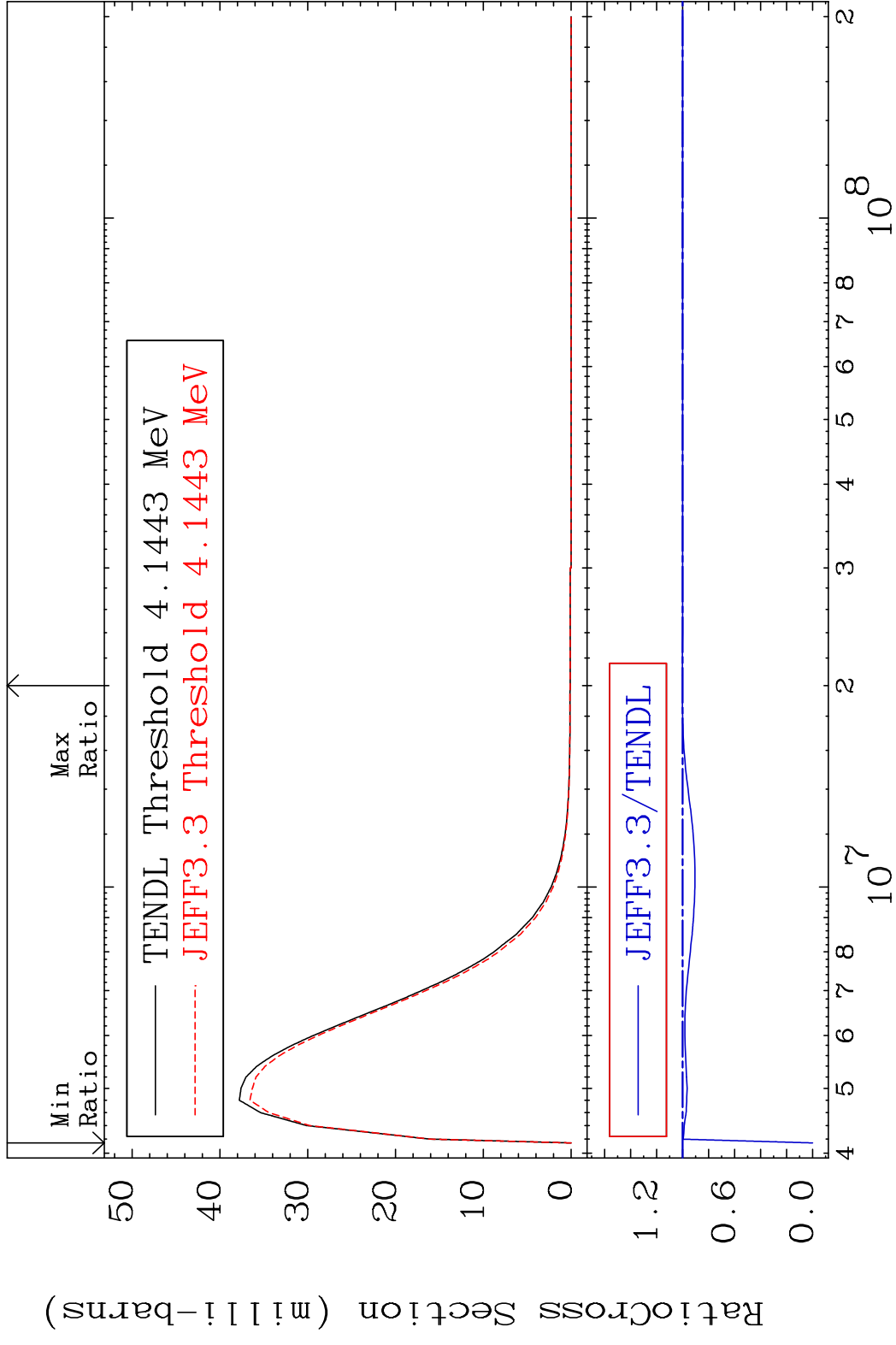
Incident Energy (eV)

20-Ca-42

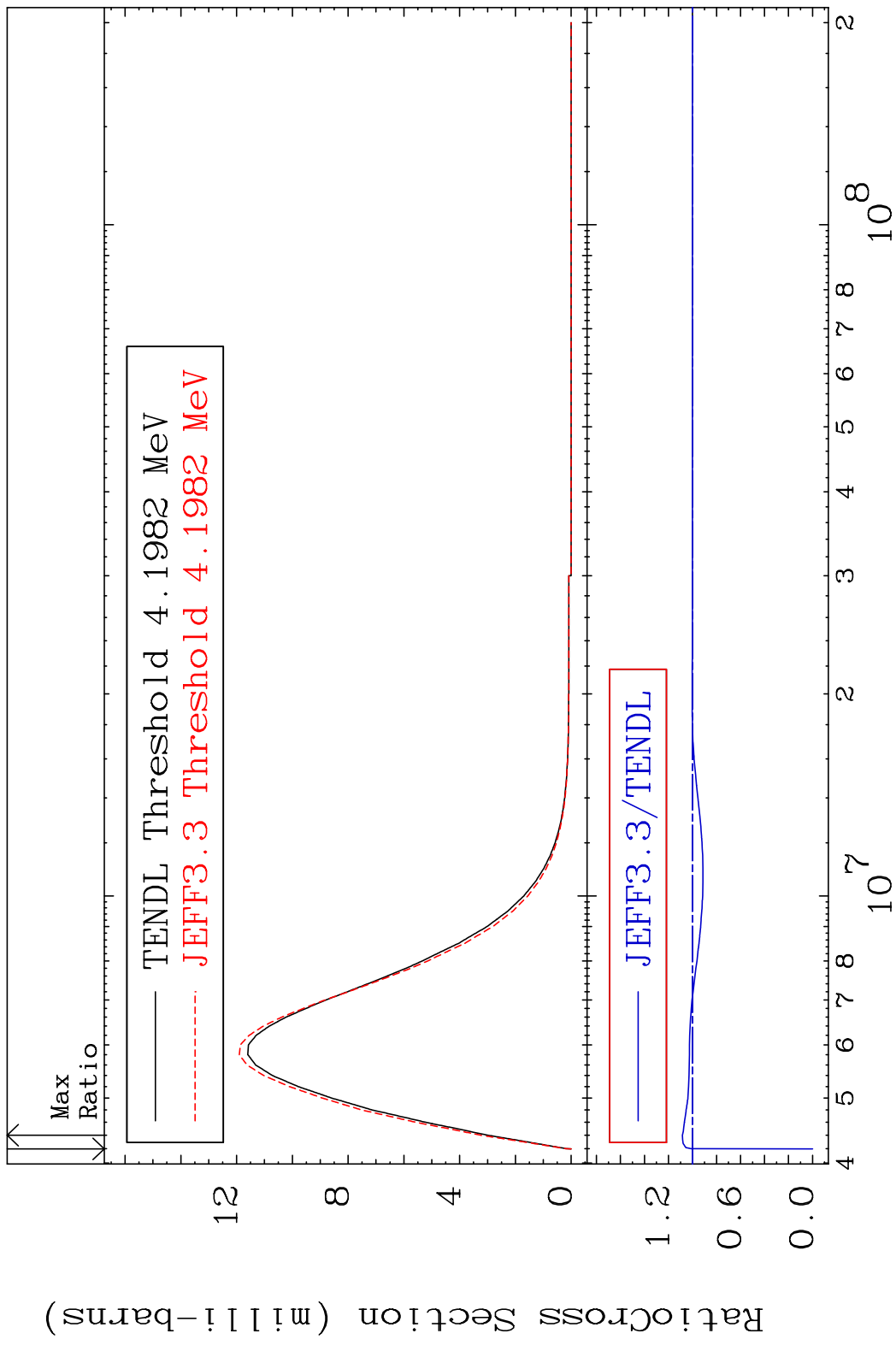
MAT 2031 MT= 64 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 254.5 %



MAT 2031 MT= 65 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.177 %



MAT 2031 MT= 66 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 8.447 %

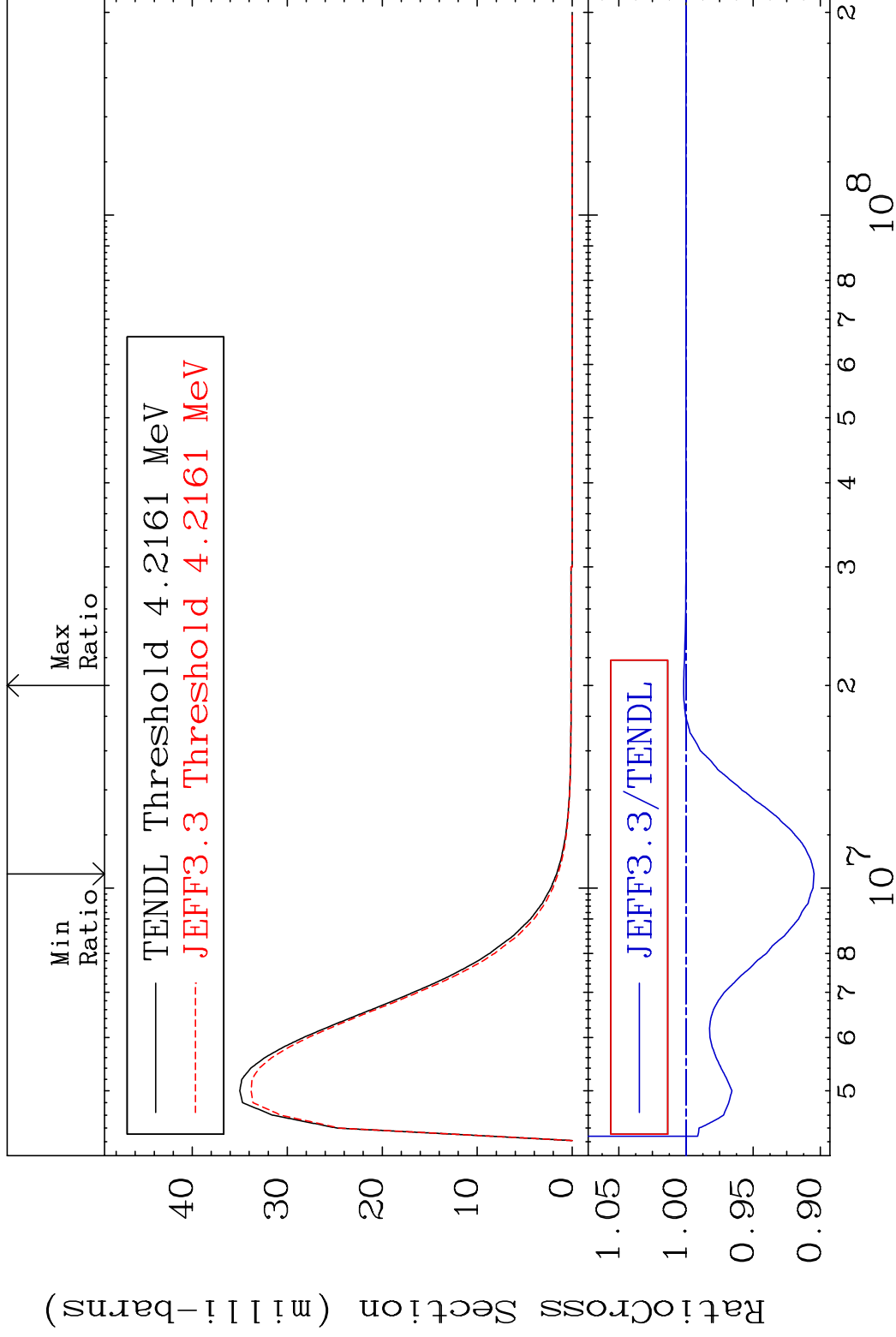


MAT 2031

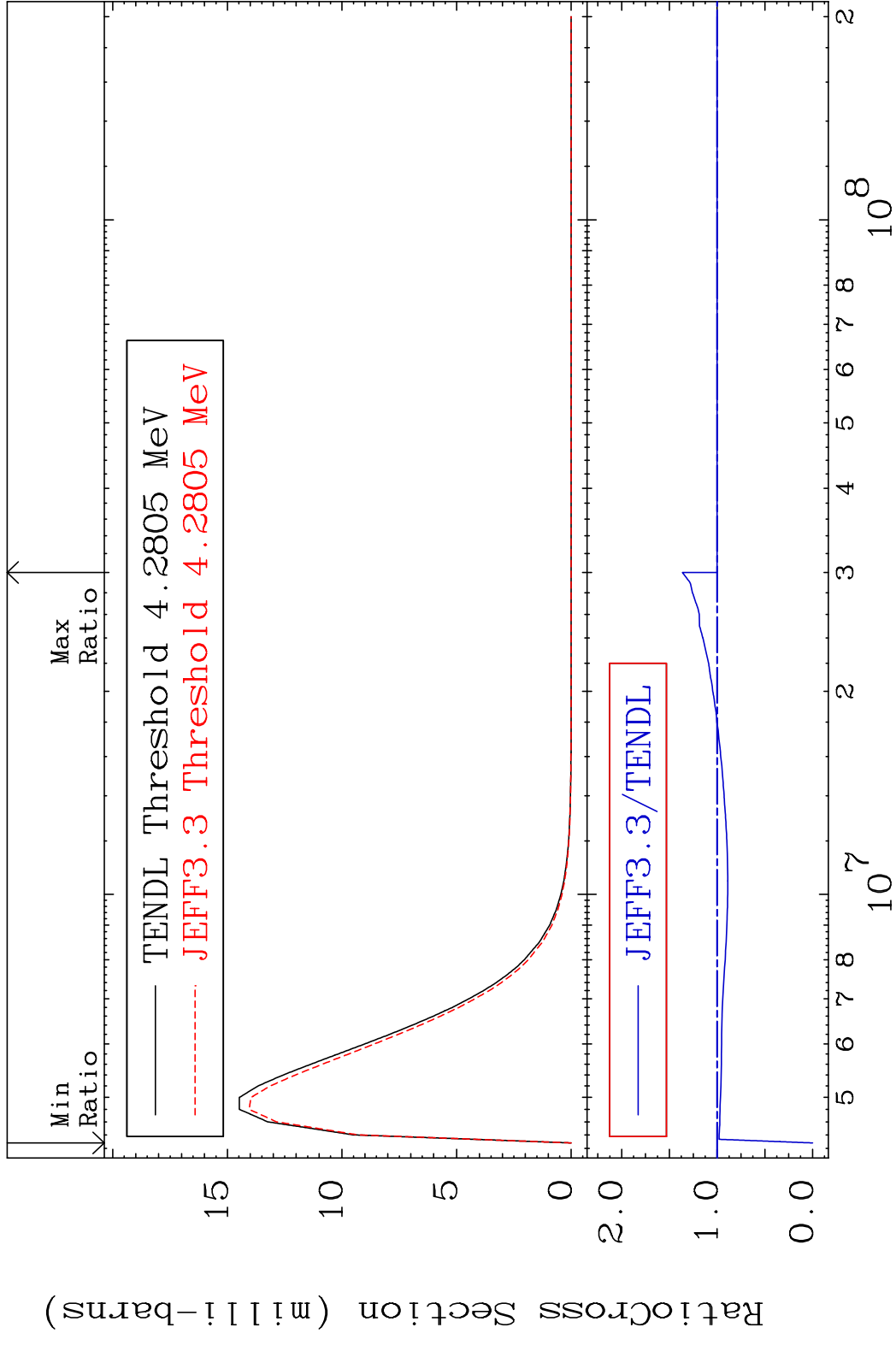
MT= 67 (n, n') Level

20-Ca-42

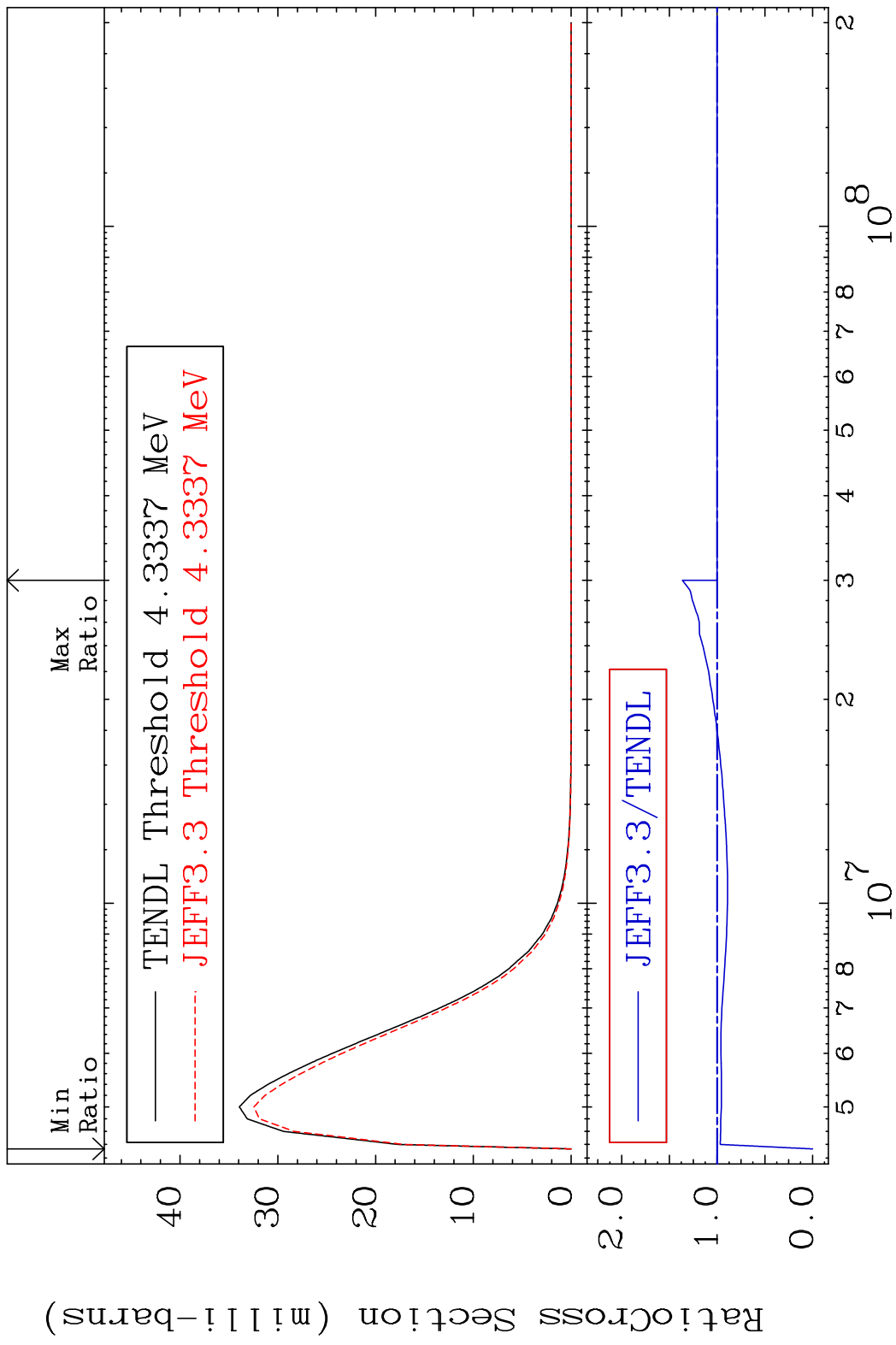
Cross Section -9.535 To 0.177 %



MAT 2031 MT= 68 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 36.44 %

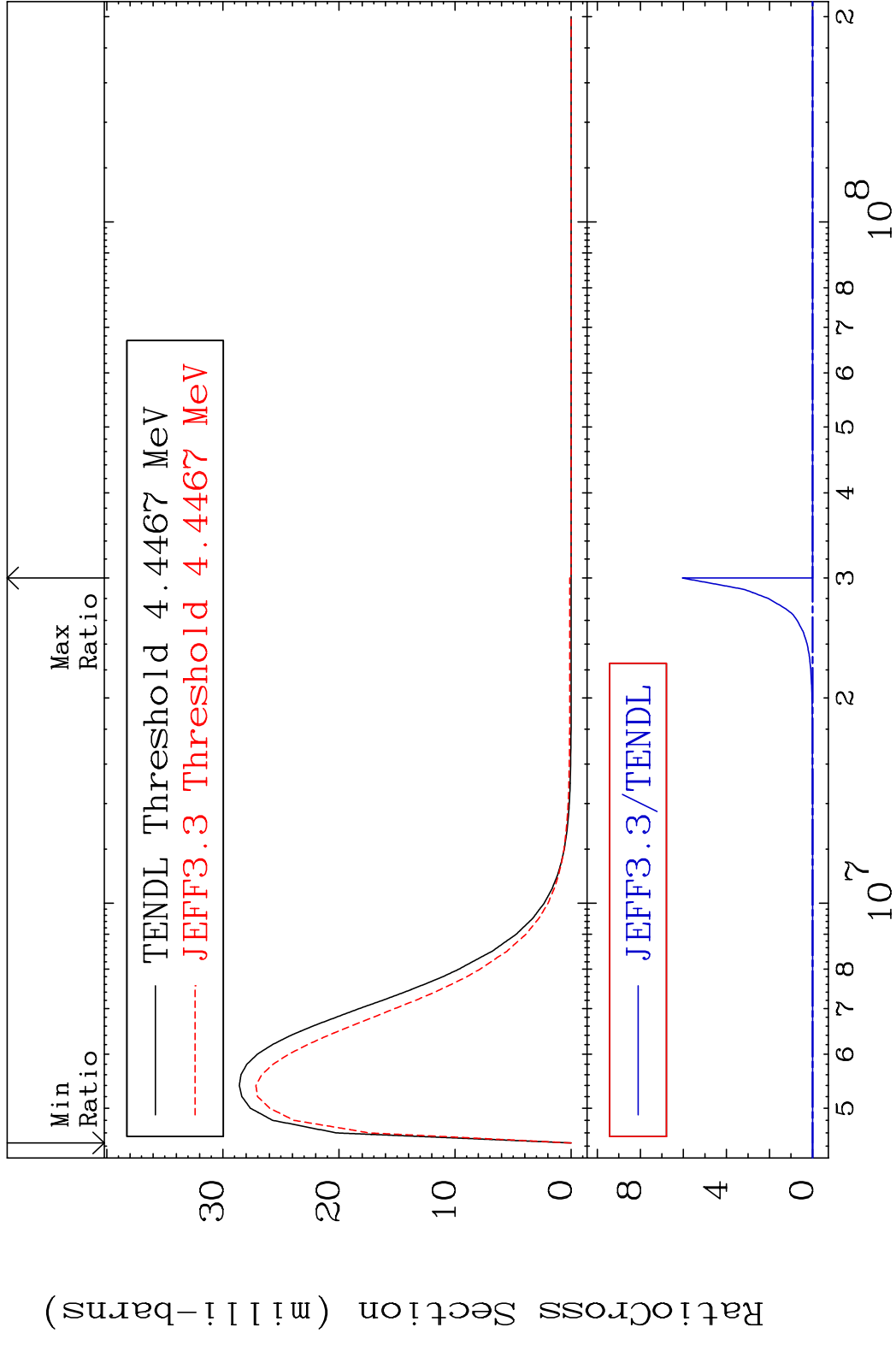


MAT 2031 MT= 69 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 36.43 %

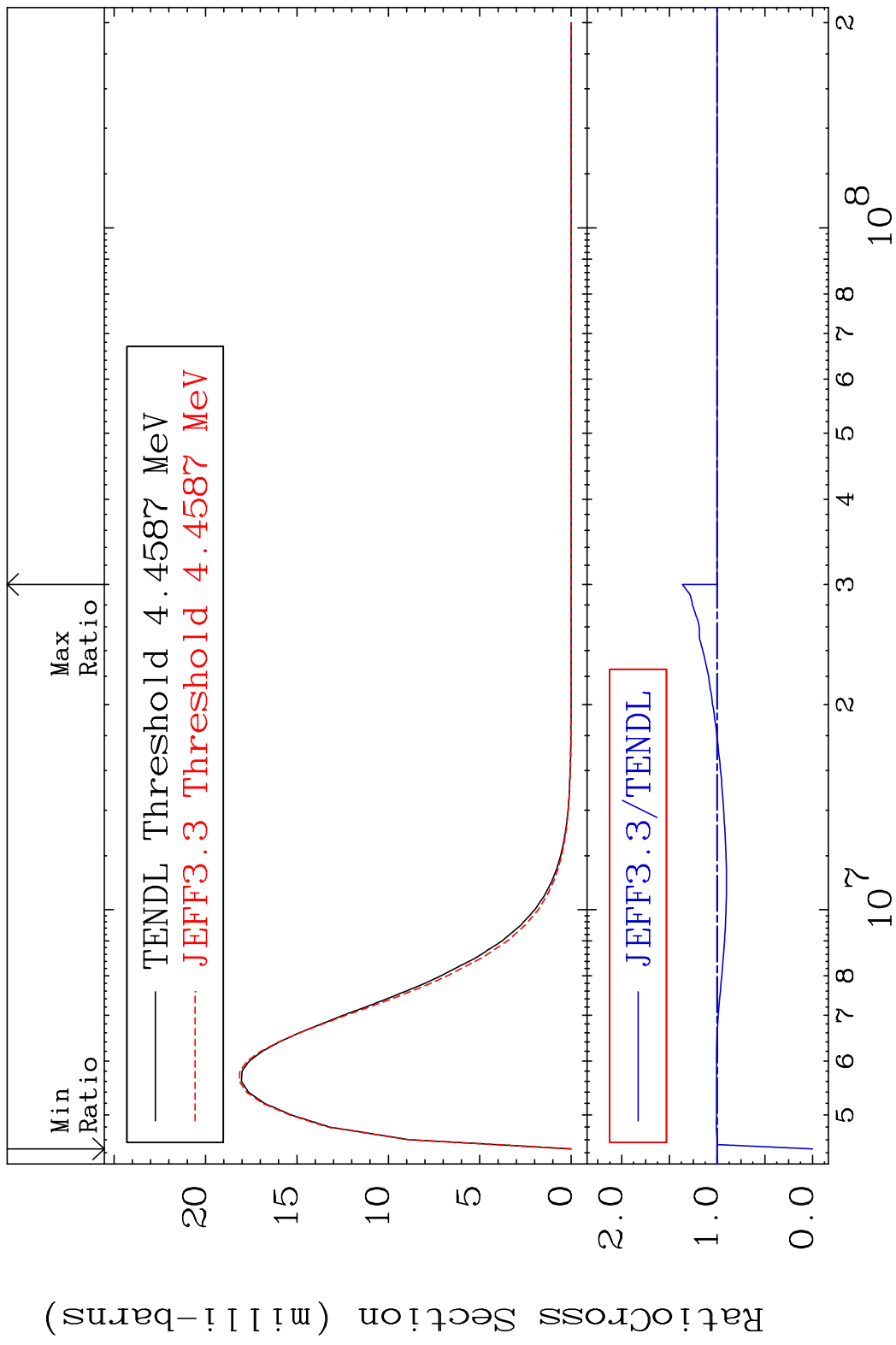


36 20-Ca-42

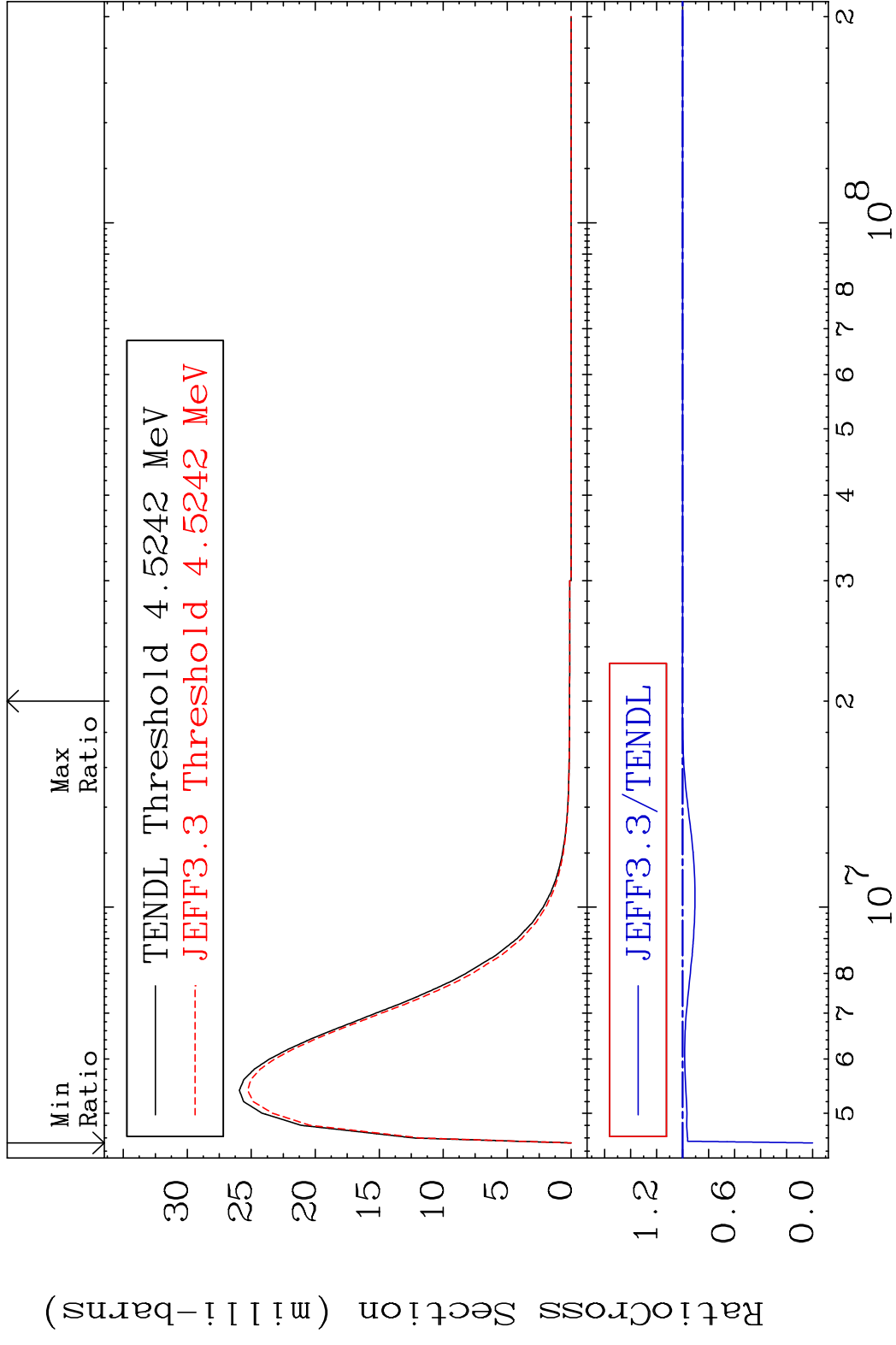
MAT 2031 MT= 70 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 9999. %



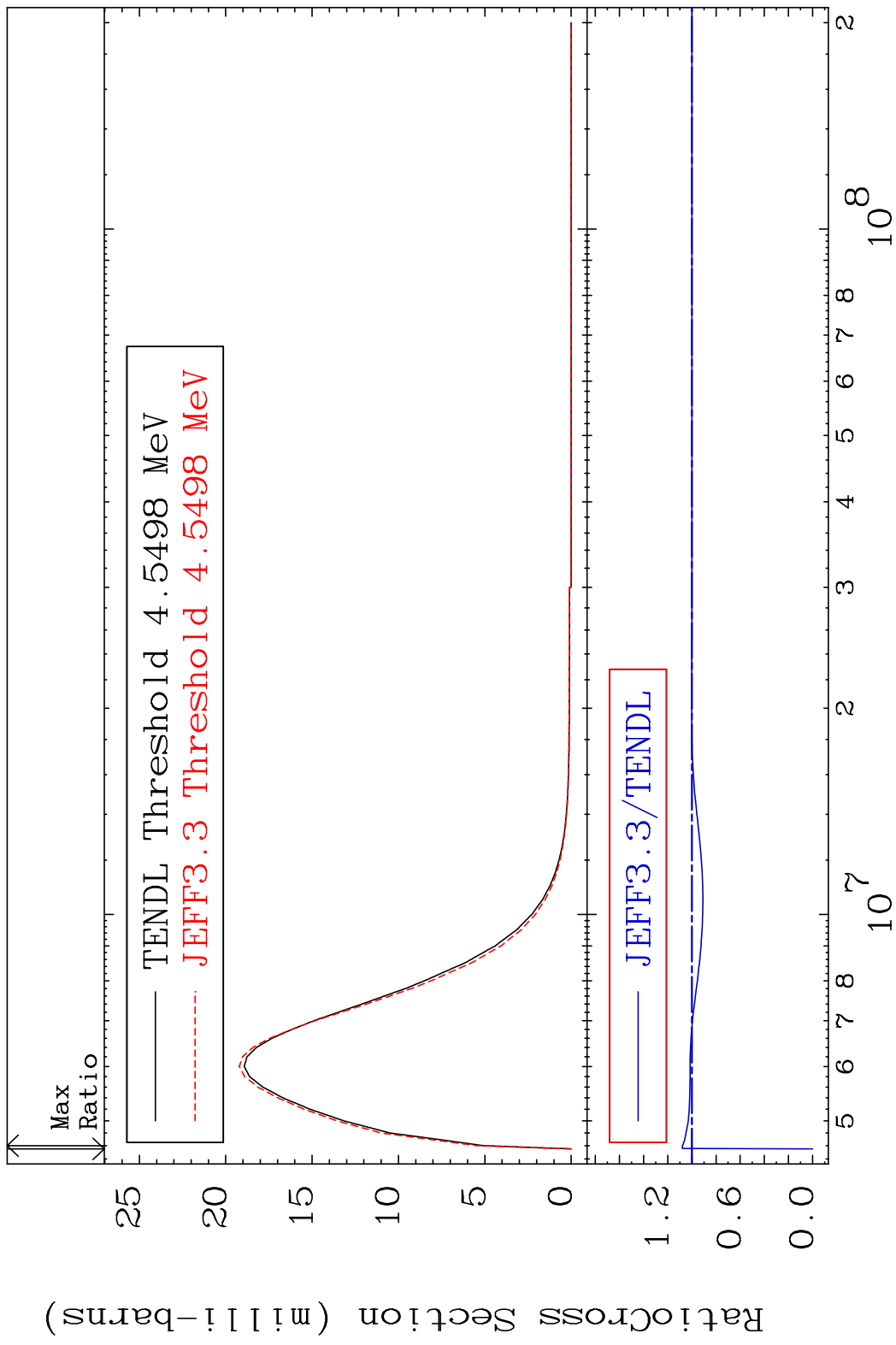
MAT 2031 MT= 71 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 36.46 %



MAT 2031 MT= 72 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 0.176 %

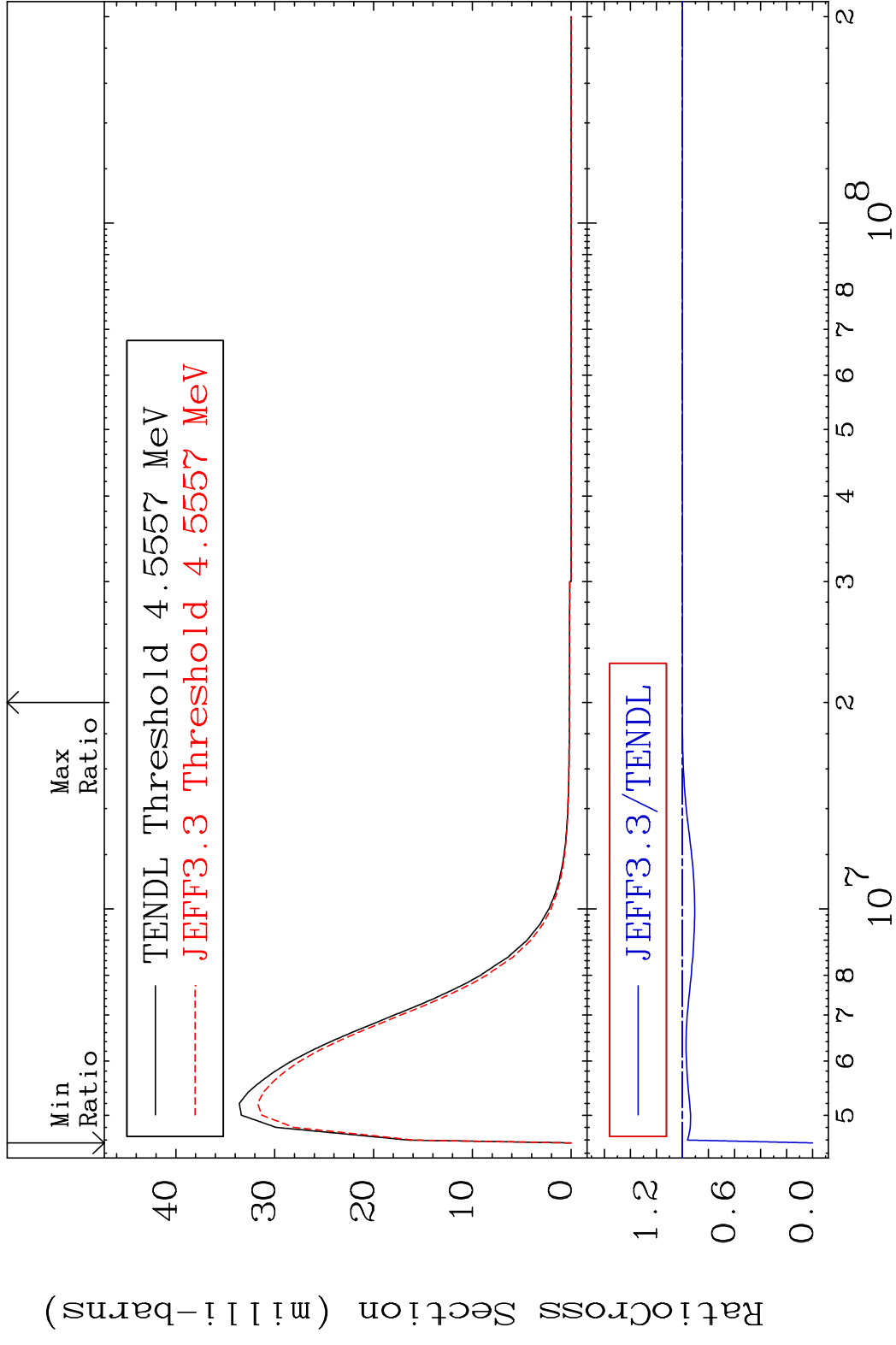


MAT 2031 MT= 73 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 7.912 %

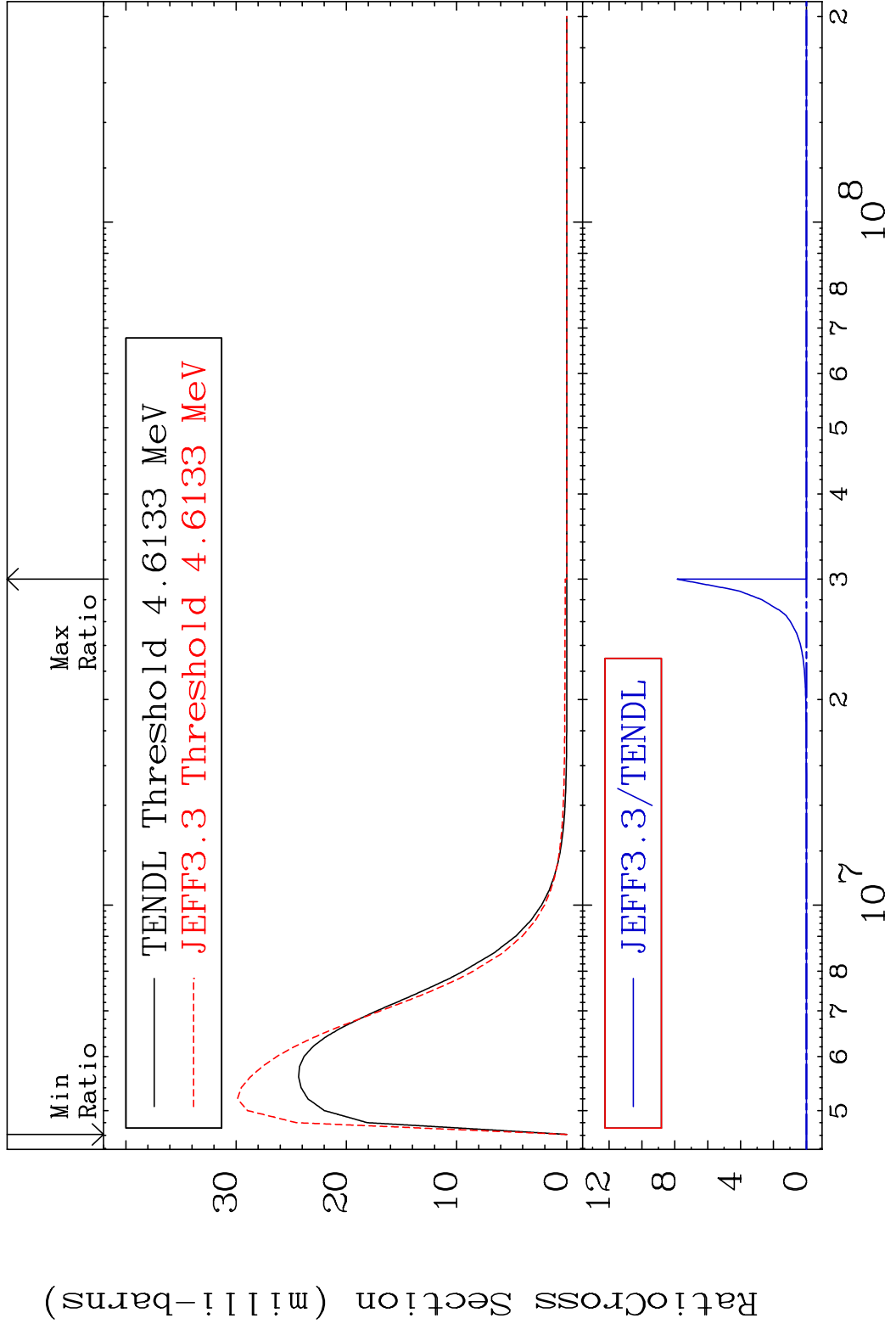


40

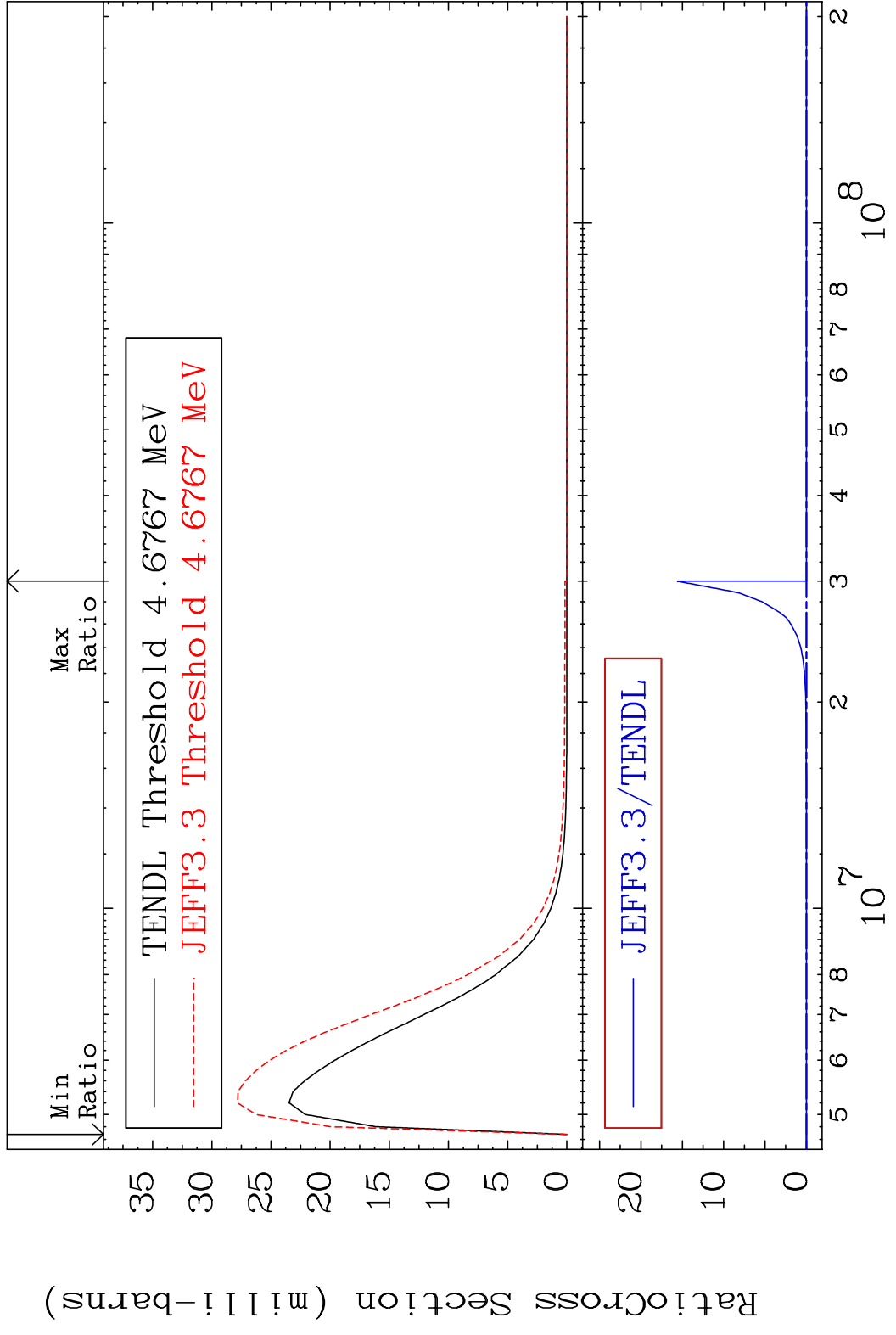
MAT 2031 MT= 74 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.095 %



MAT 2031 MT= 75 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 9999. %

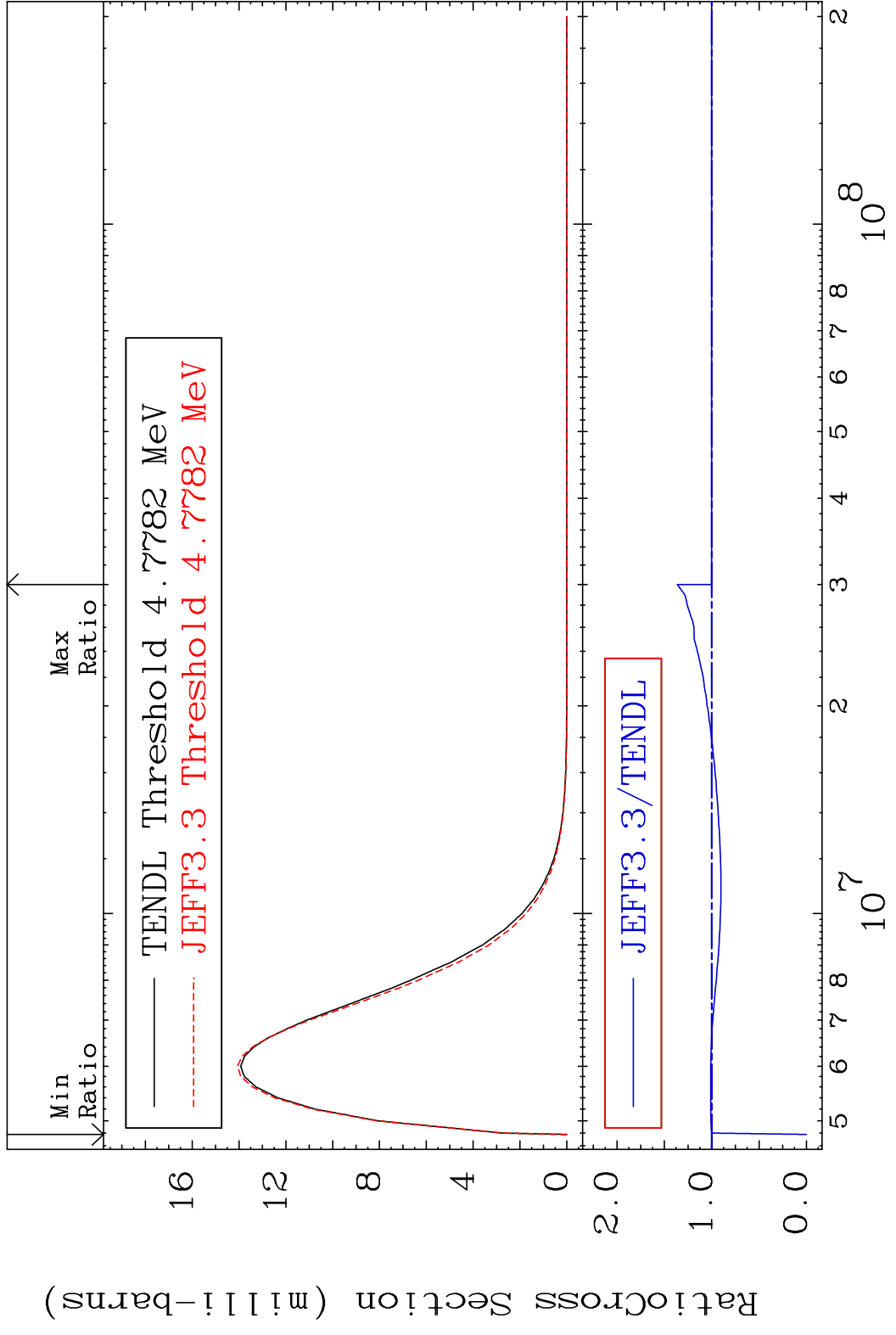


MAT 2031 MT= 76 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 9999. %

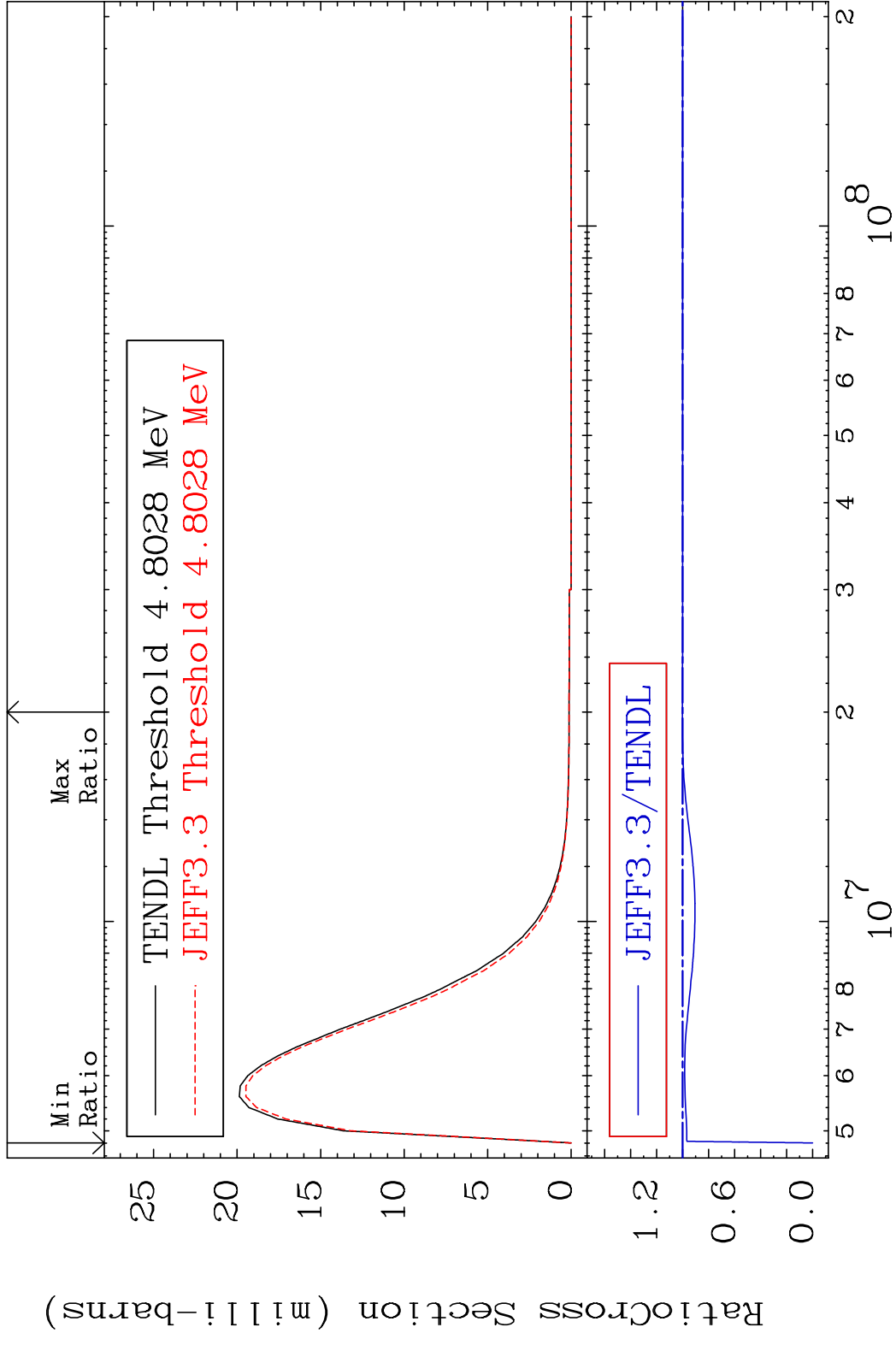


43 20-Ca-42

MAT 2031 MT= 77 (n, n') Level 20-Ca-42
 Cross Section -100.0 To 36.46 %



MAT 2031 MT= 78 (n,n') Level 20-Ca-42
 Cross Section -100.0 To 0.176 %

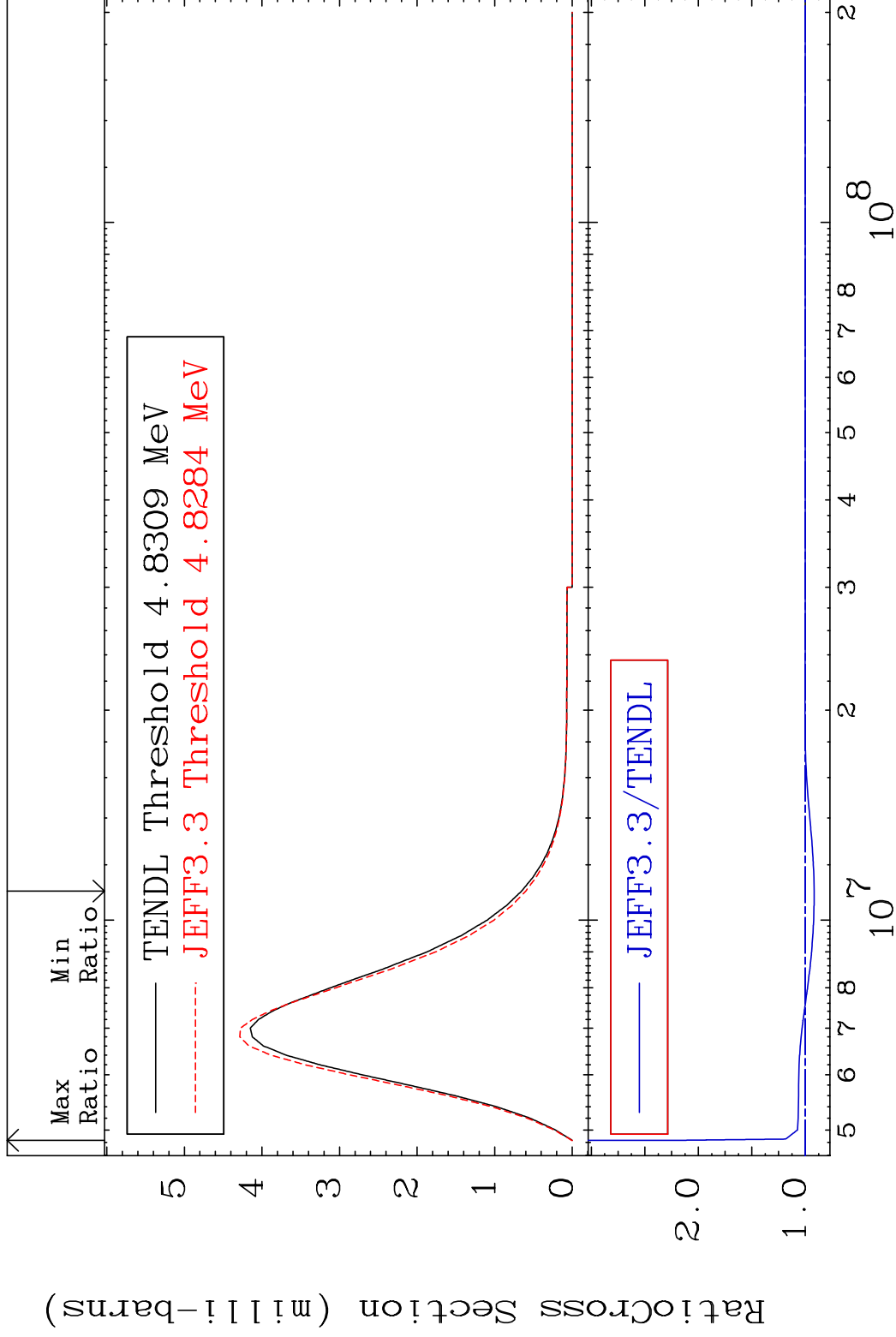


MAT 2031

MT= 79 (n, n') Level

20-Ca-42

Cross Section -8.256 To 113.7 %

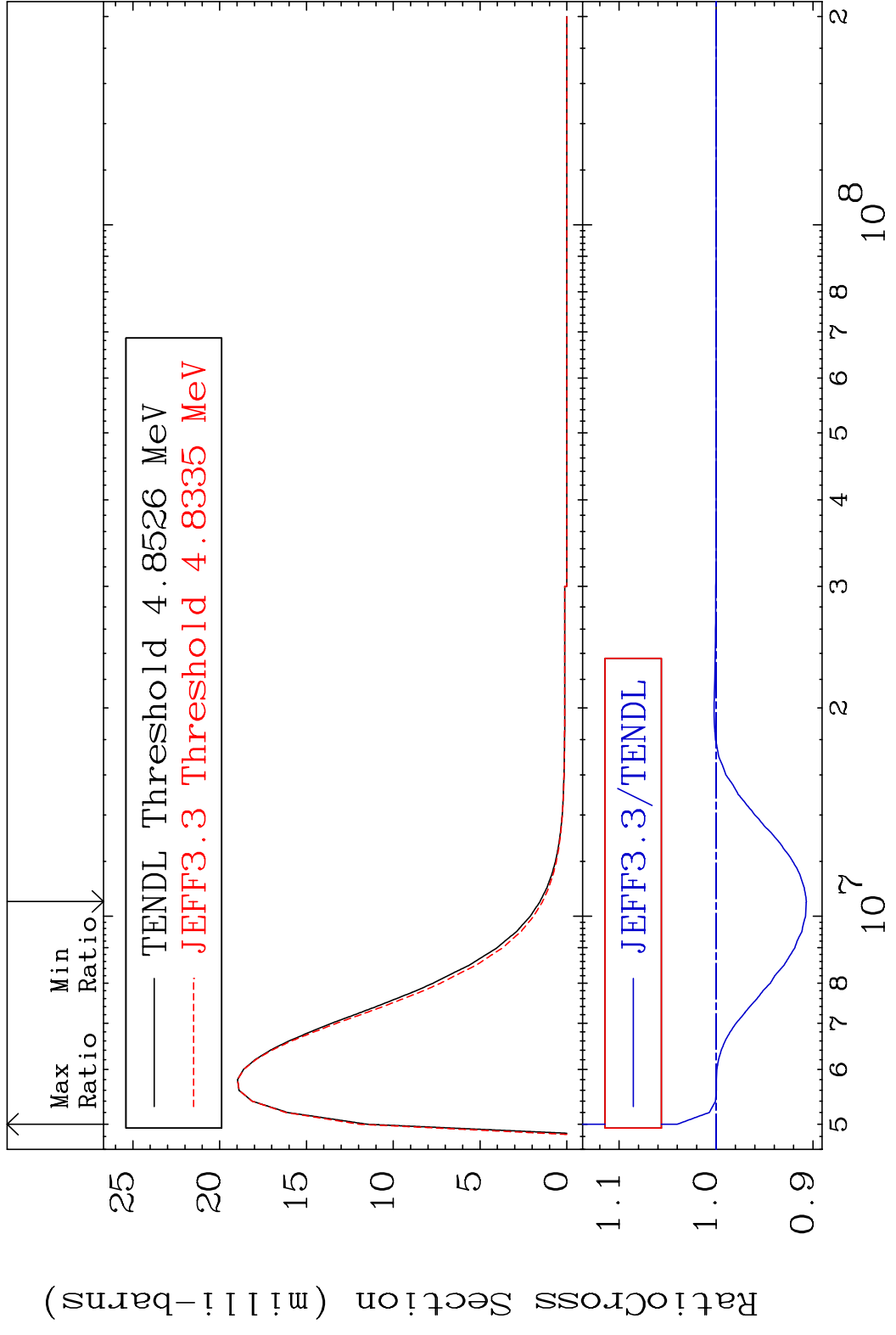


46

Incident Energy (eV)

20-Ca-42

MAT 2031 MT= 80 (n,n') Level 20-Ca-42
 Cross Section -9.315 To 4.014 %

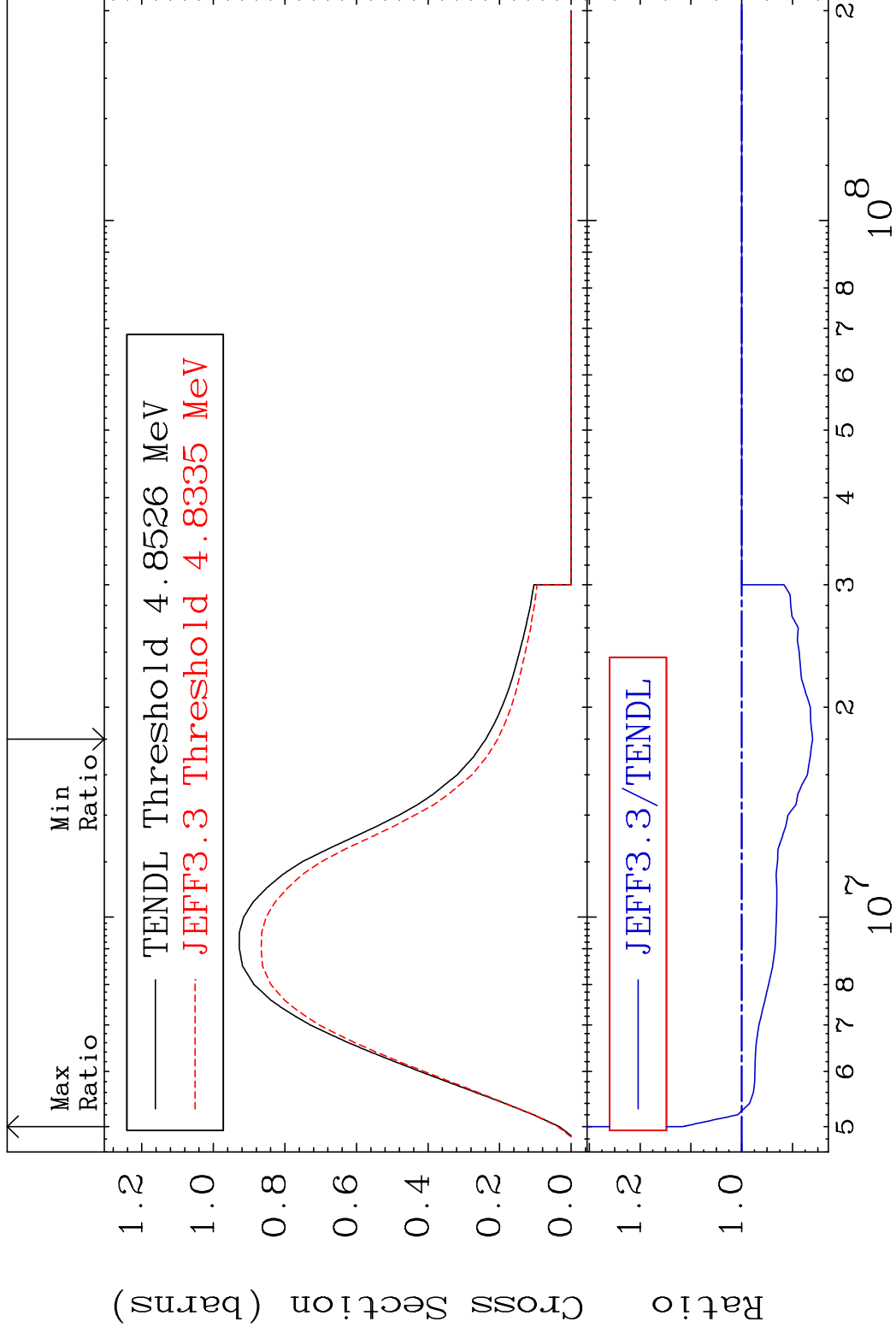


MAT 2031

(n,n') Continuum

20-Ca-42

Cross Section -13.95 To 11.68 %



48

Incident Energy (eV)

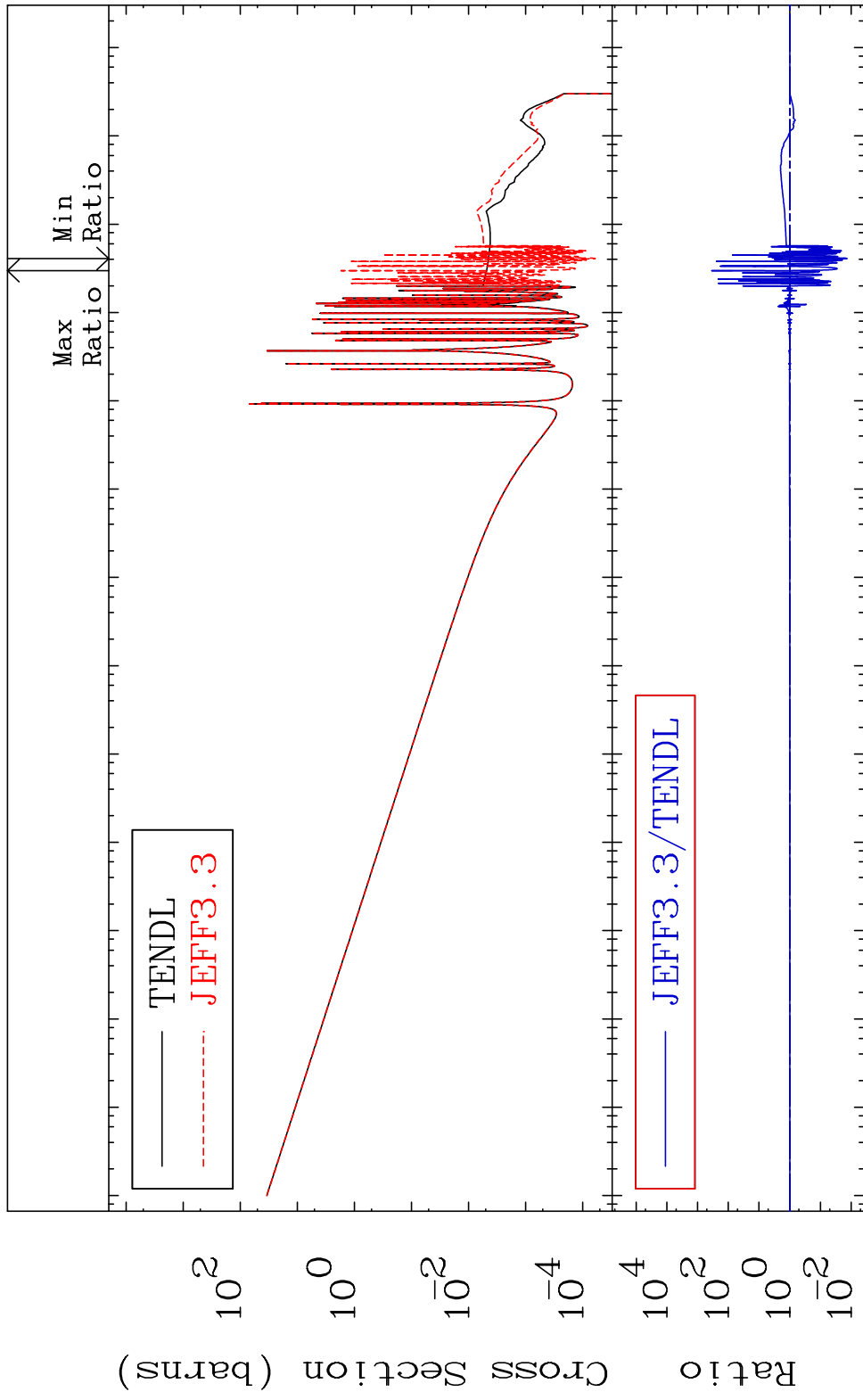
20-Ca-42

MAT 2031

(n, γ)

20-Ca-42

Cross Section -98.67 To 9999. %



49

Incident Energy (eV)

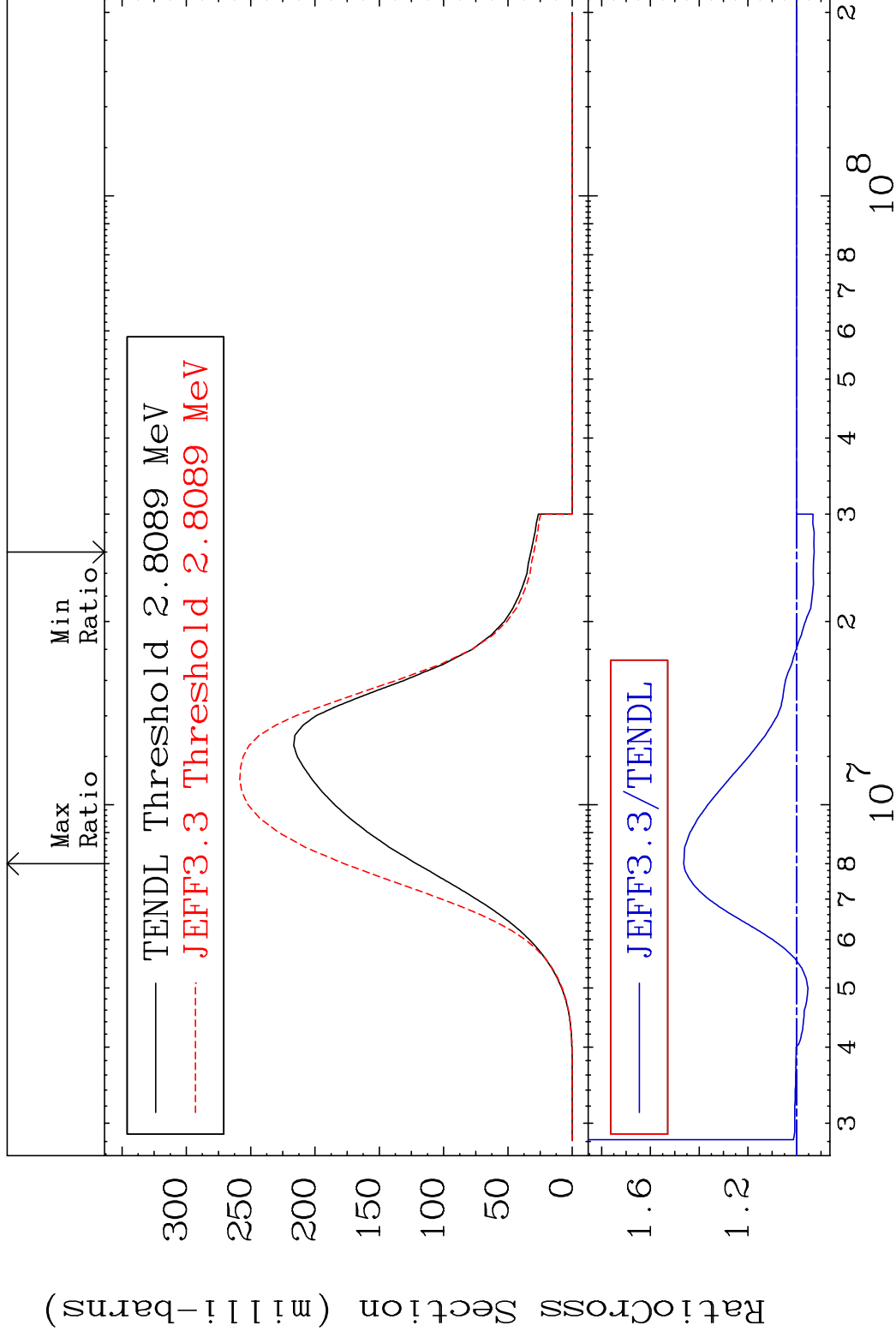
20-Ca-42

MAT 2031

(n, p)

20-Ca-42

Cross Section -7.204 To 46.35 %



50

Incident Energy (eV)

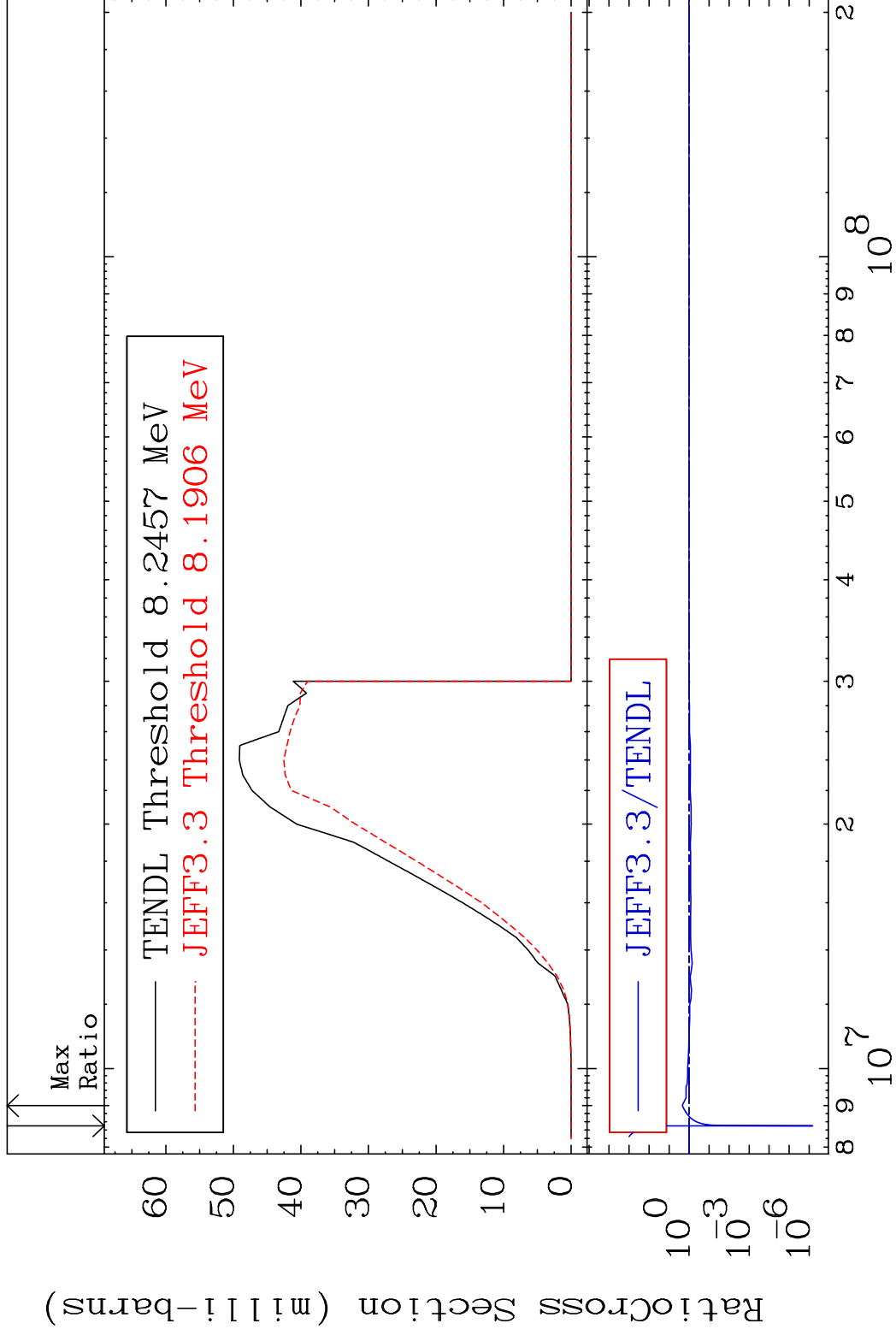
20-Ca-42

MAT 2031

(n, d)

20-Ca-42

Cross Section -100.0 To 117.0 %

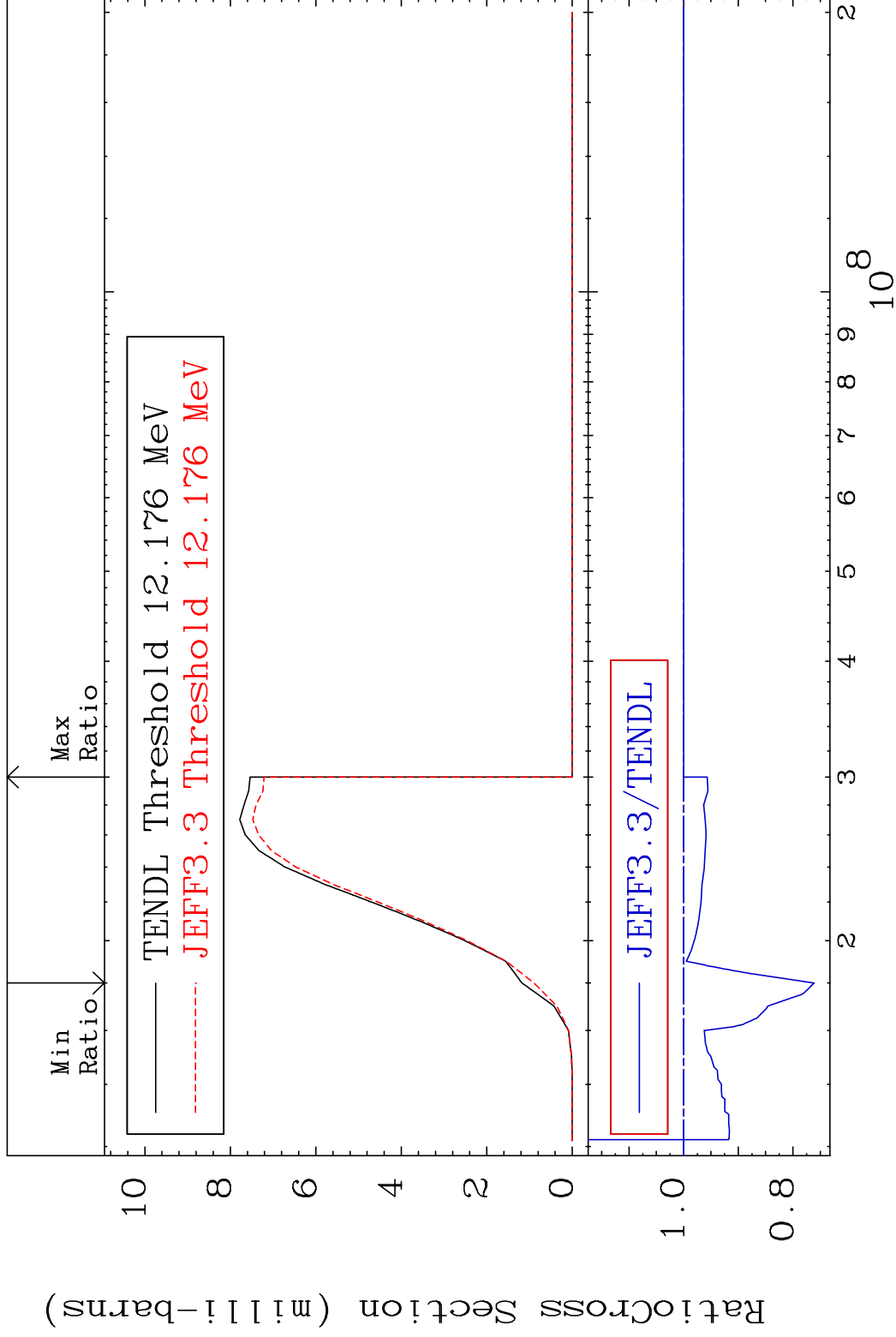


MAT 2031

(n, t)

20-Ca-42

Cross Section -23.88 To 0.000 %

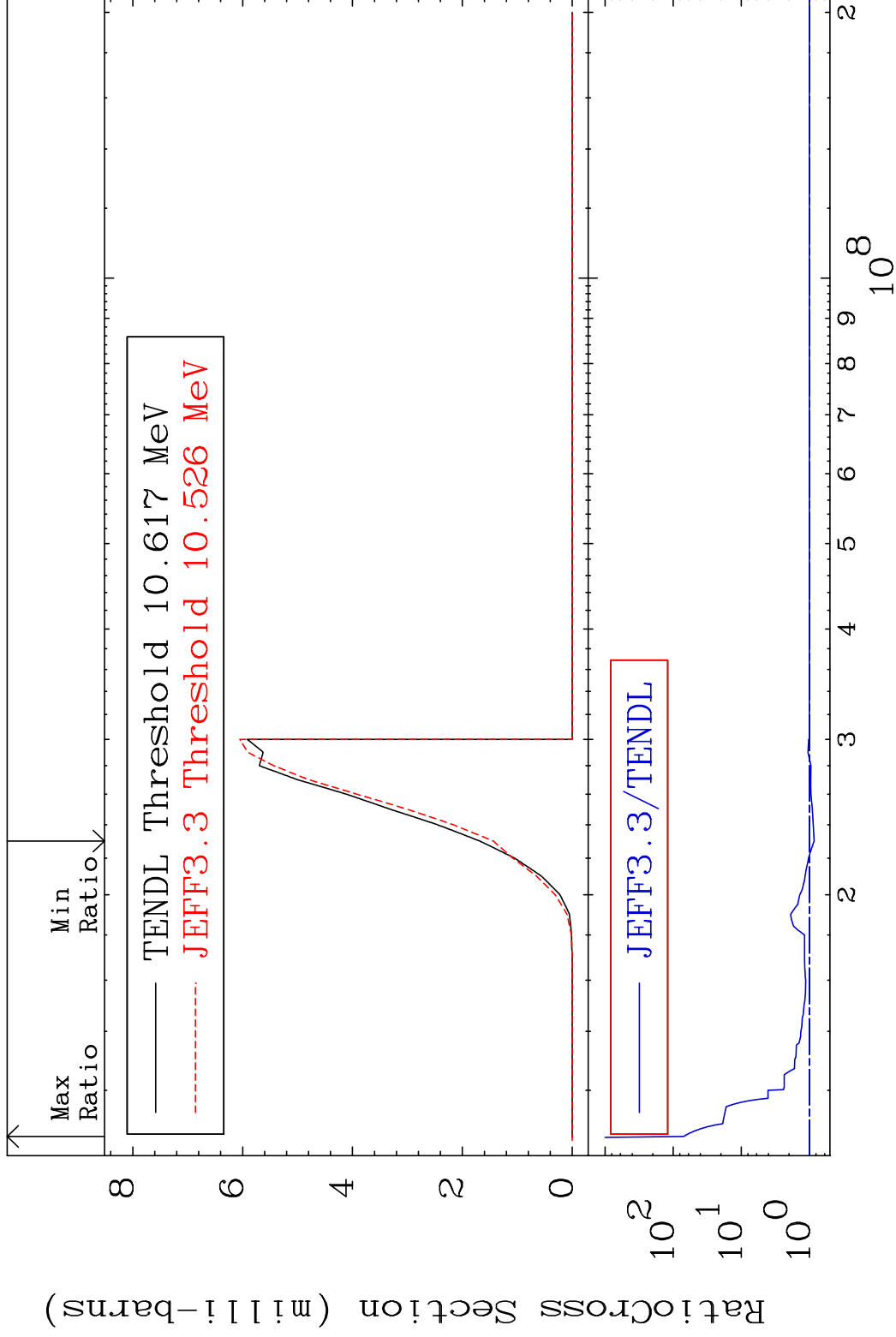


MAT 2031

(n, He-3)

20-Ca-42

Cross Section -14.53 To 6942. %



53

Incident Energy (eV)

20-Ca-42

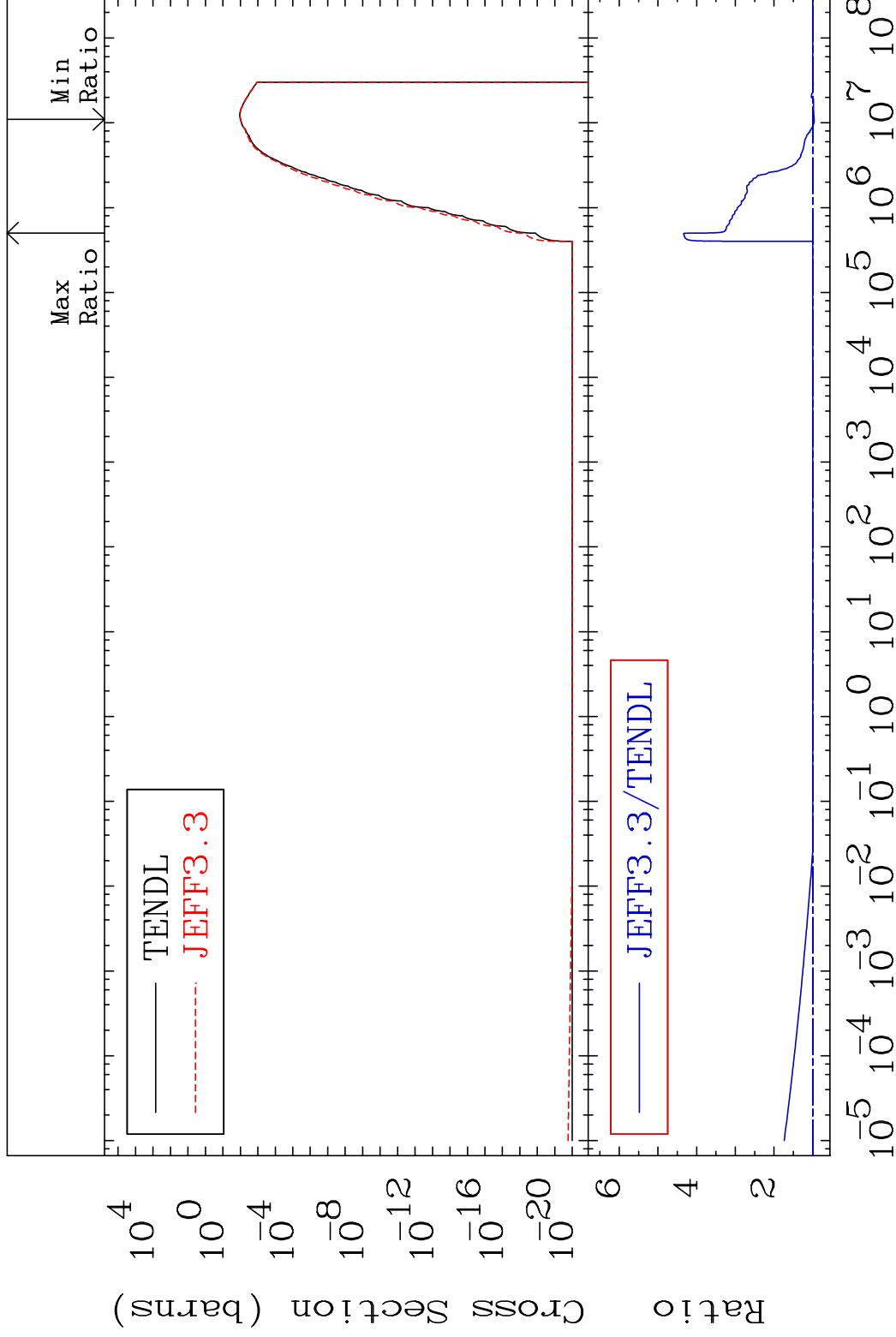
MAT 2031

(n, α)

20-Ca-42

Cross Section

-3.631 To 333.5 %



54

Incident Energy (eV)

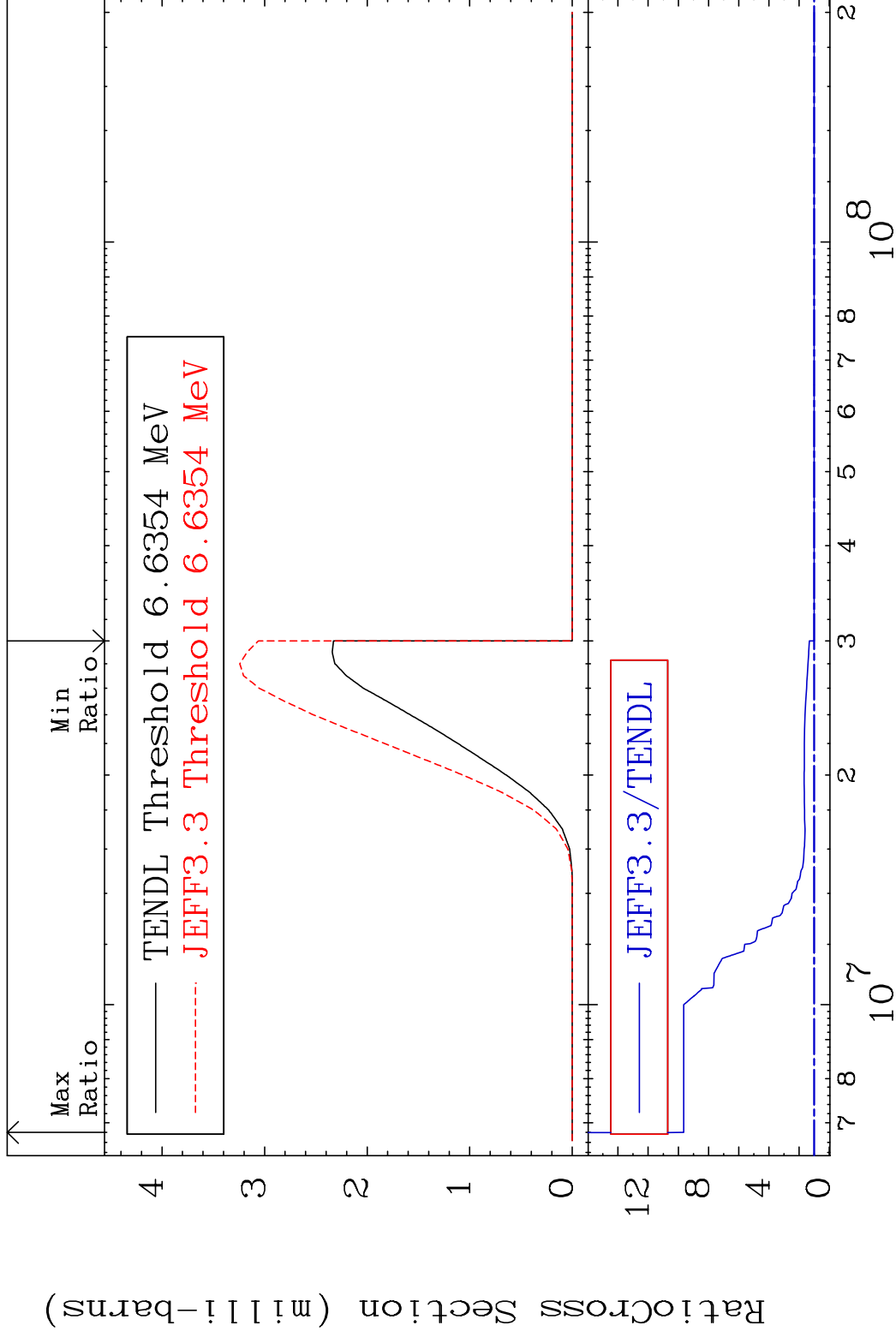
20-Ca-42

MAT 2031

(n,2α)

20-Ca-42

Cross Section 0.000 To 864.7 %



55

Incident Energy (eV)

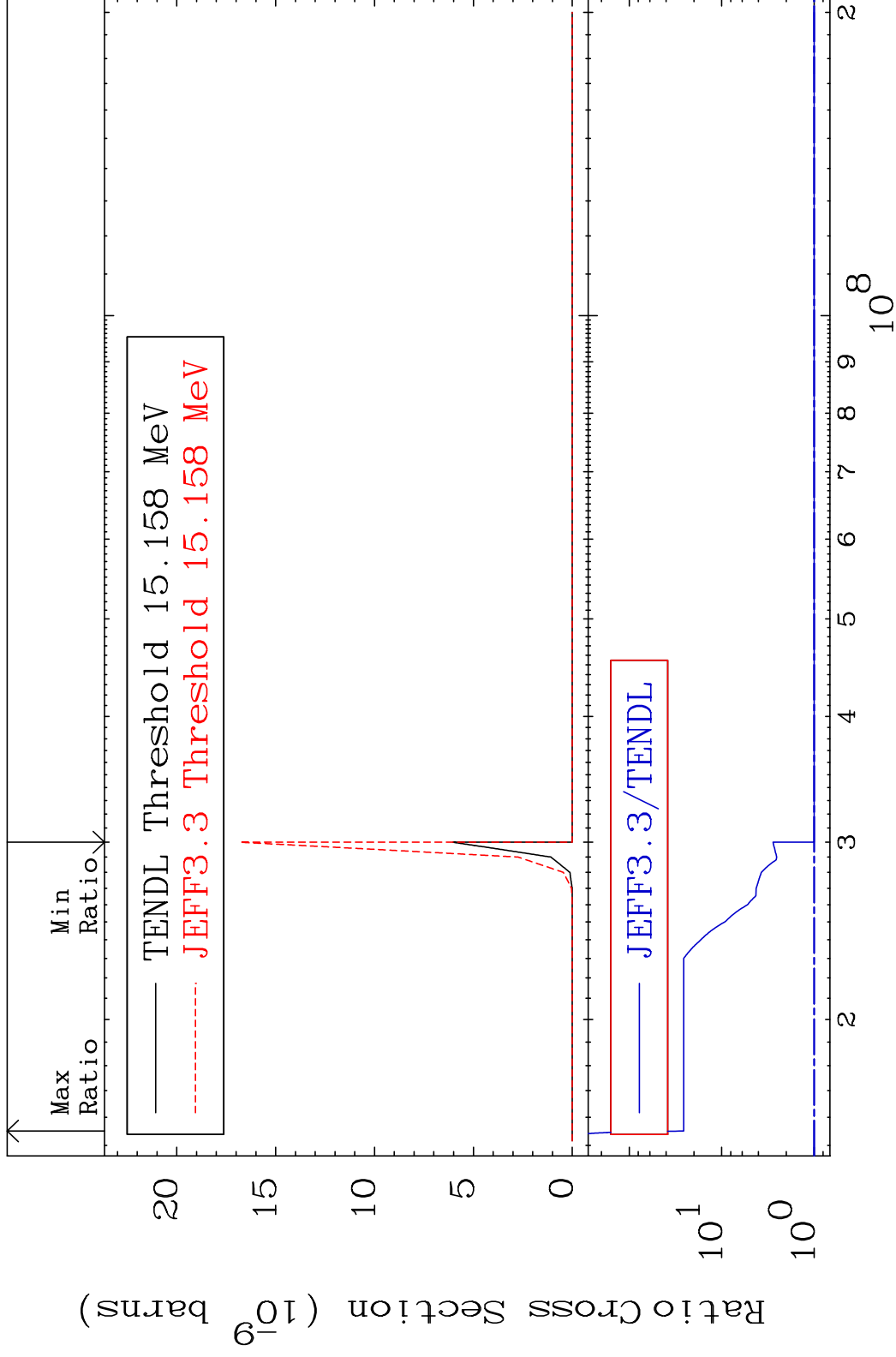
20-Ca-42

MAT 2031

(n,3 α)

20-Ca-42

Cross Section 0.000 To 2483. %



56

Incident Energy (eV)

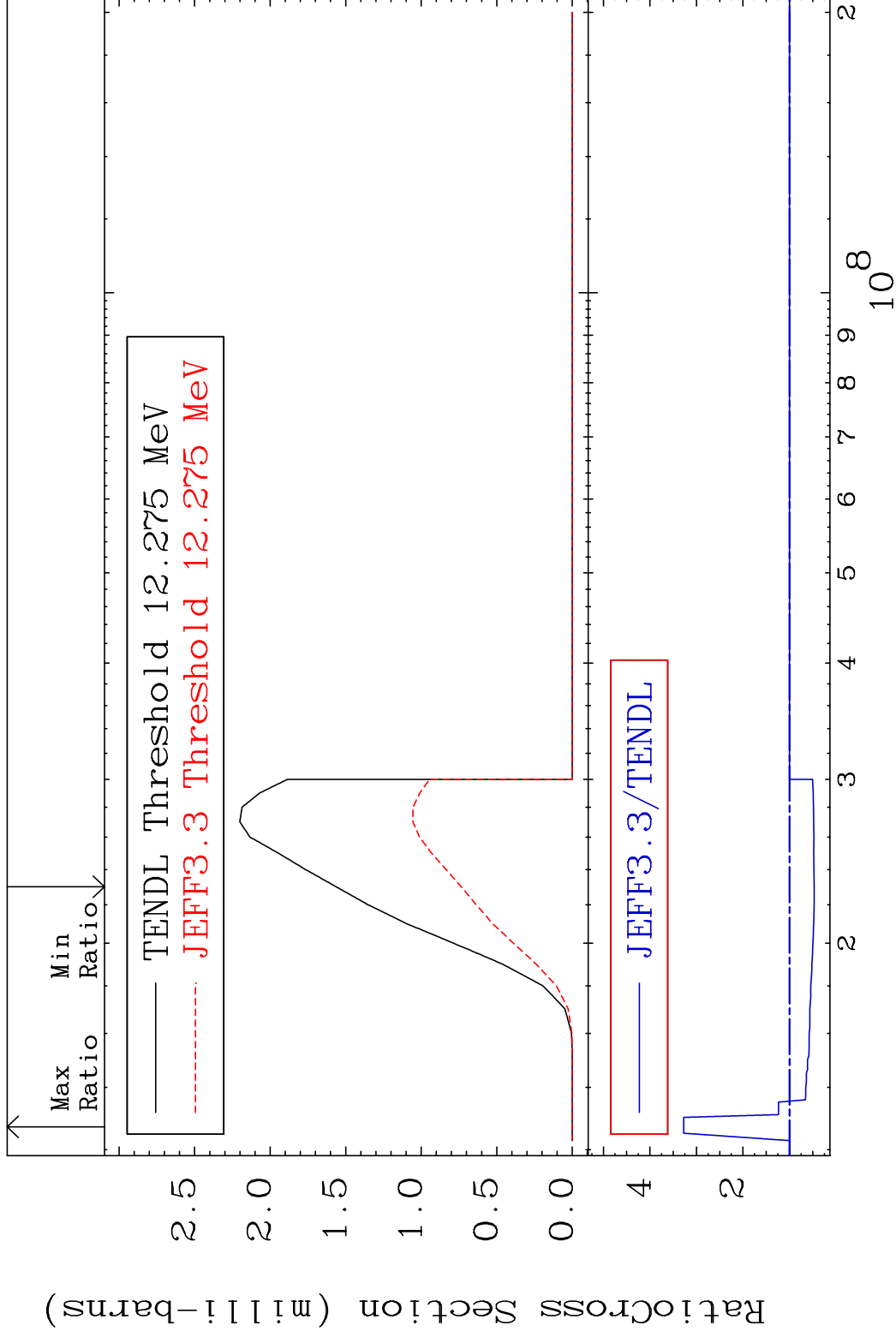
20-Ca-42

MAT 2031

(n,2p)

20-Ca-42

Cross Section -52.99 To 227.5 %



57

Incident Energy (eV)

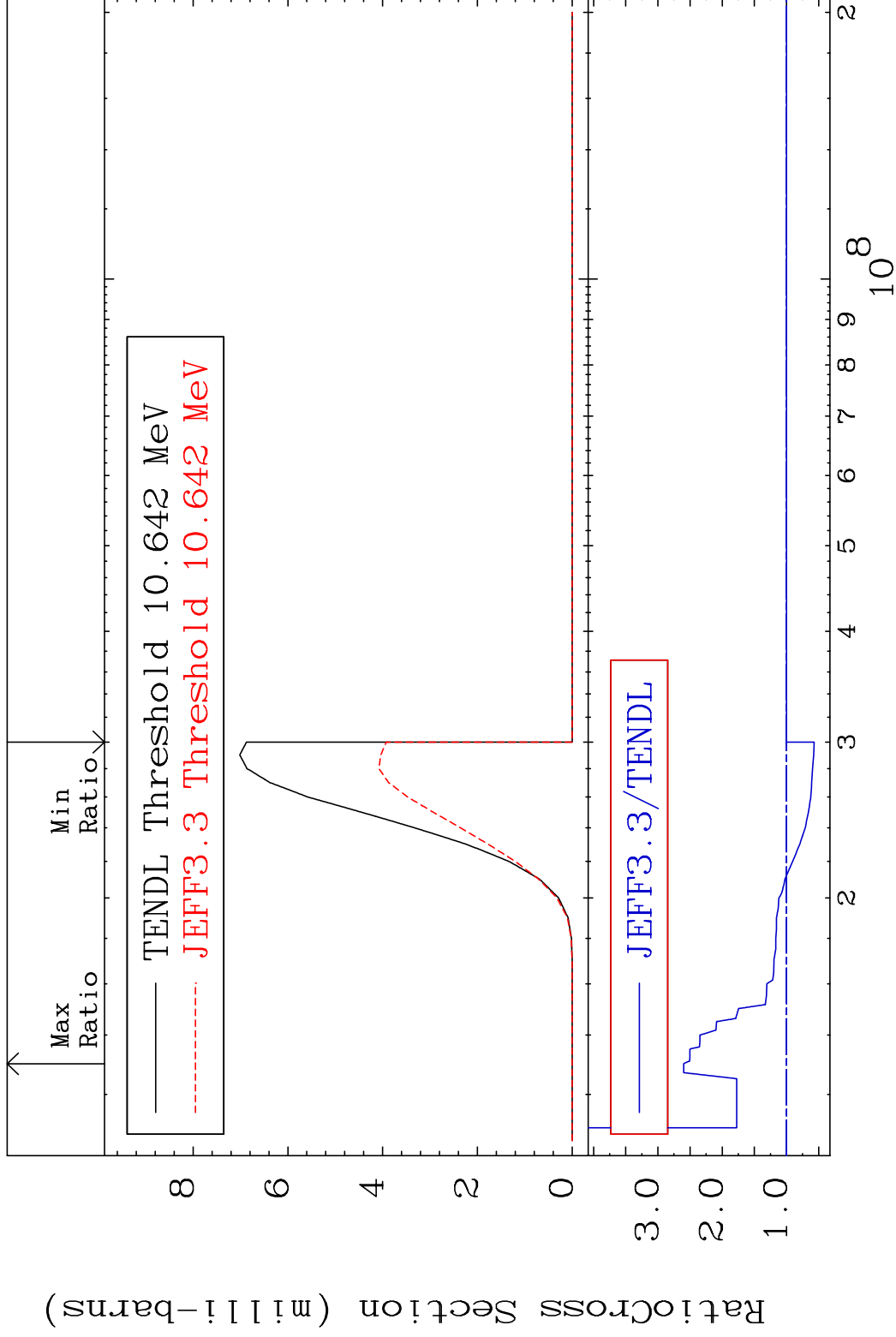
20-Ca-42

MAT 2031

(n,p) α

20-Ca-42

Cross Section -42.91 To 159.9 %



58

Incident Energy (eV)

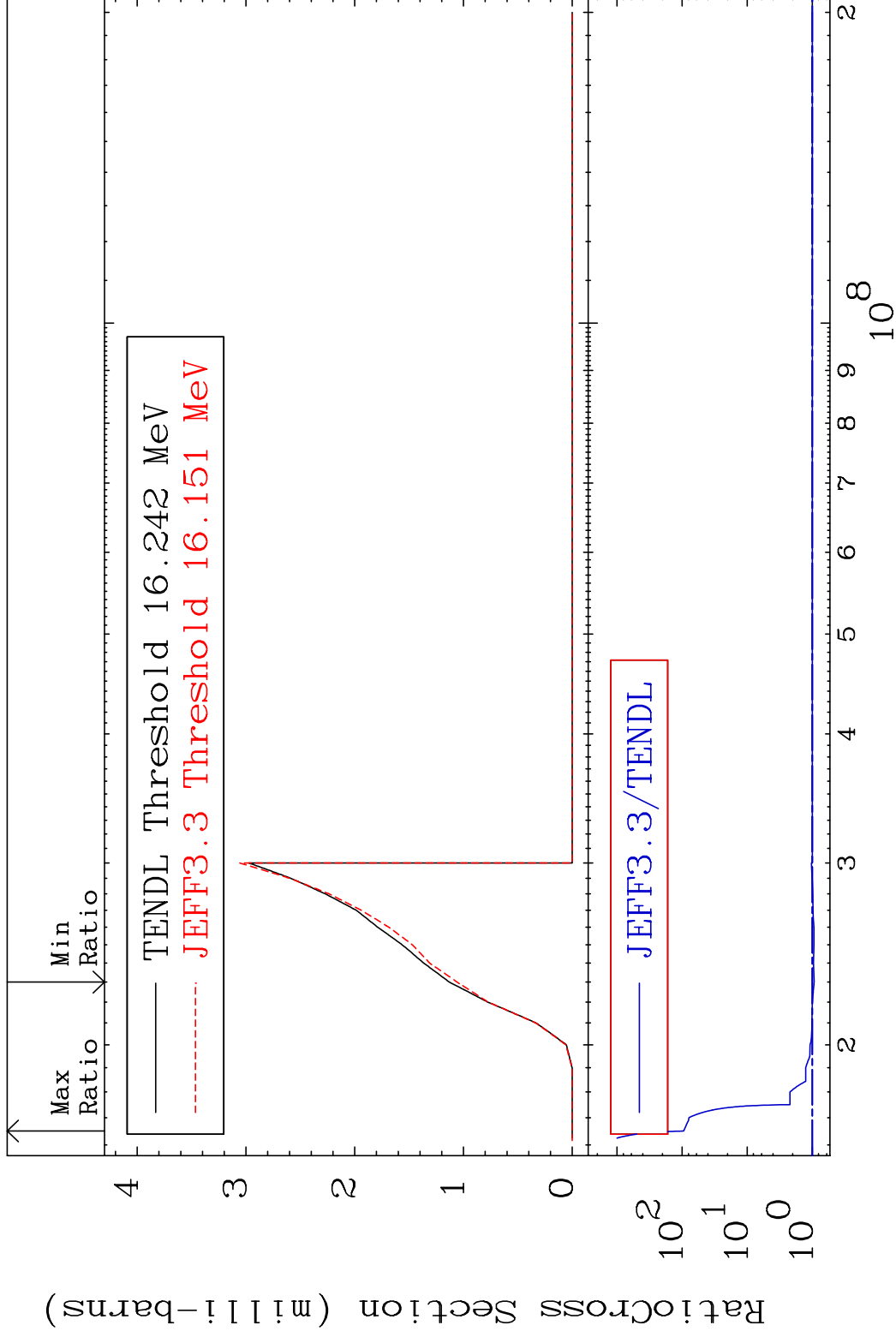
20-Ca-42

MAT 2031

(n,p) d

20-Ca-42

Cross Section -6.326 To 9356. %

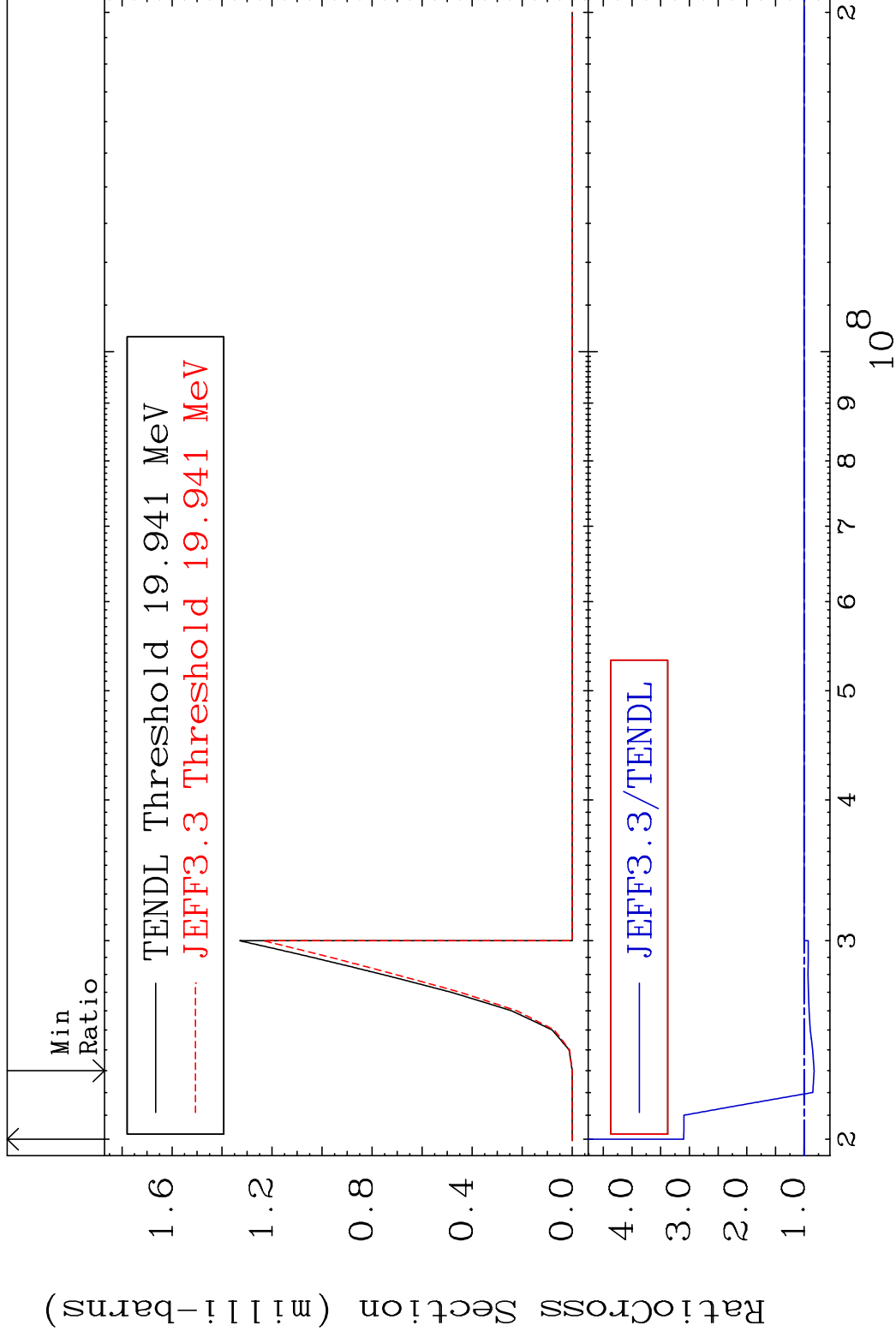


MAT 2031

(n,p) t

20-Ca-42

Cross Section -17.26 To 210.0 %



60

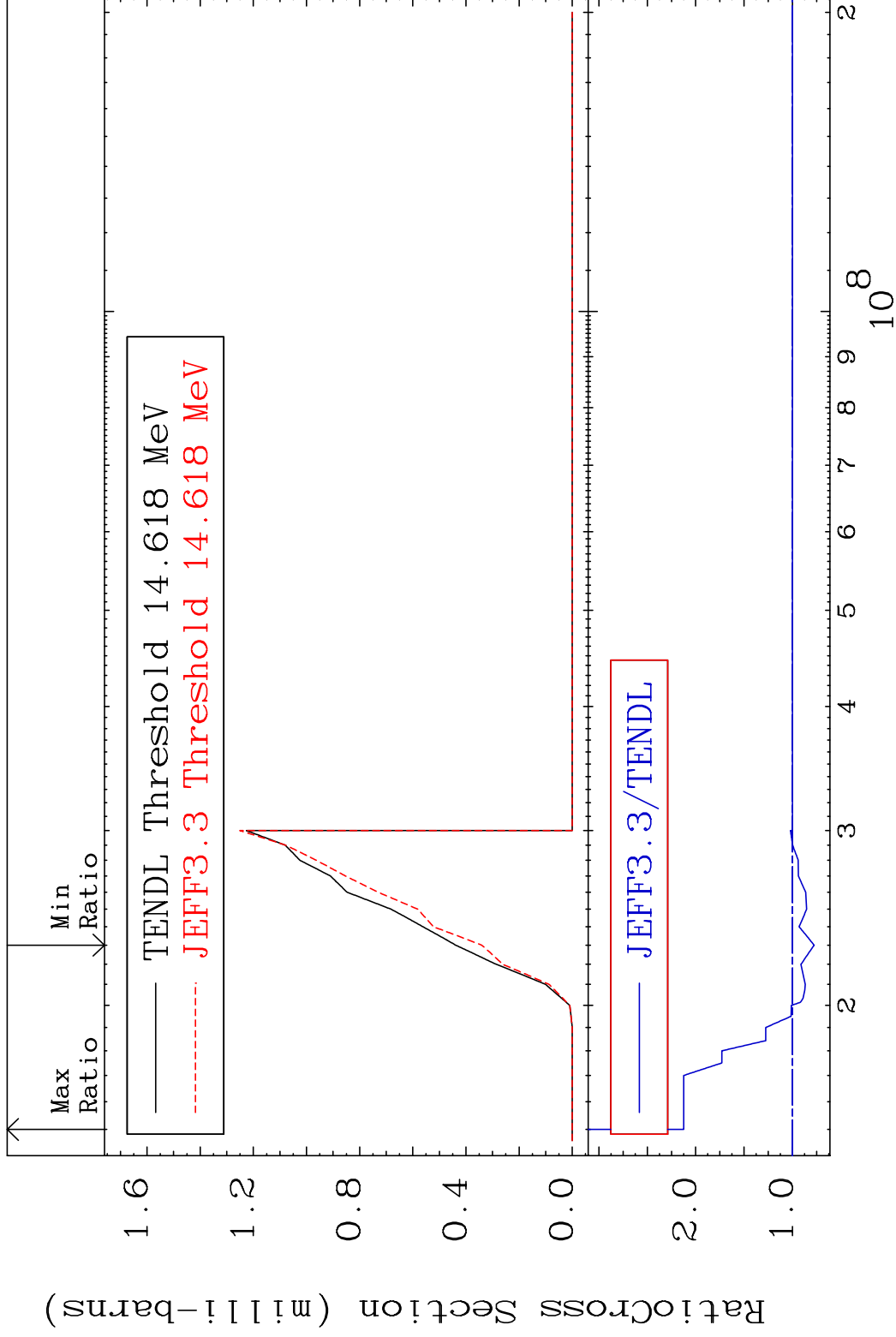
20-Ca-42

MAT 2031

(n,d) α

20-Ca-42

Cross Section -22.40 To 112.4 %



61

Incident Energy (eV)

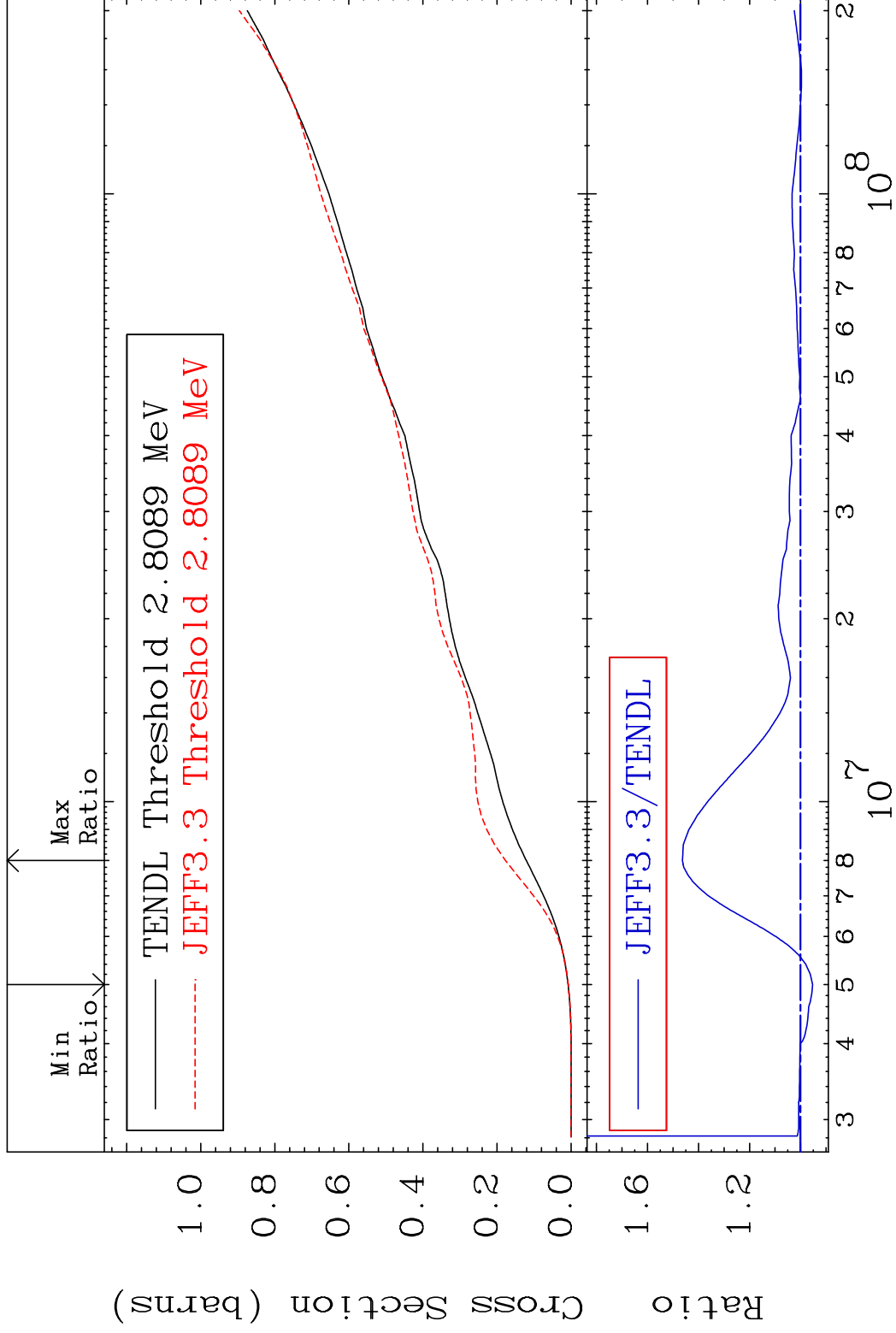
20-Ca-42

MAT 2031

Hydrogen Production

20-Ca-42

Cross Section -4.6886 To 46.35 %

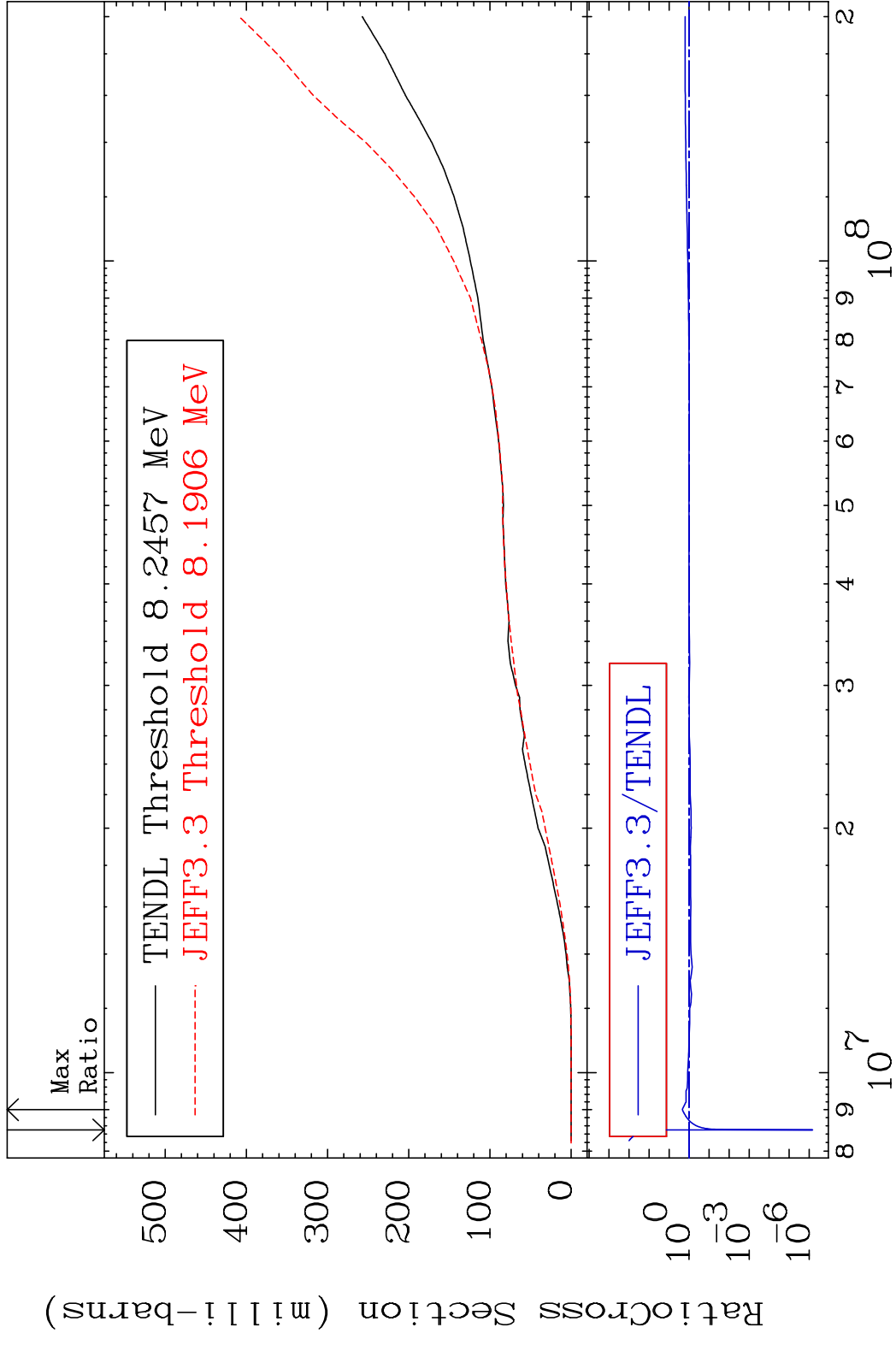


62

Incident Energy (eV)

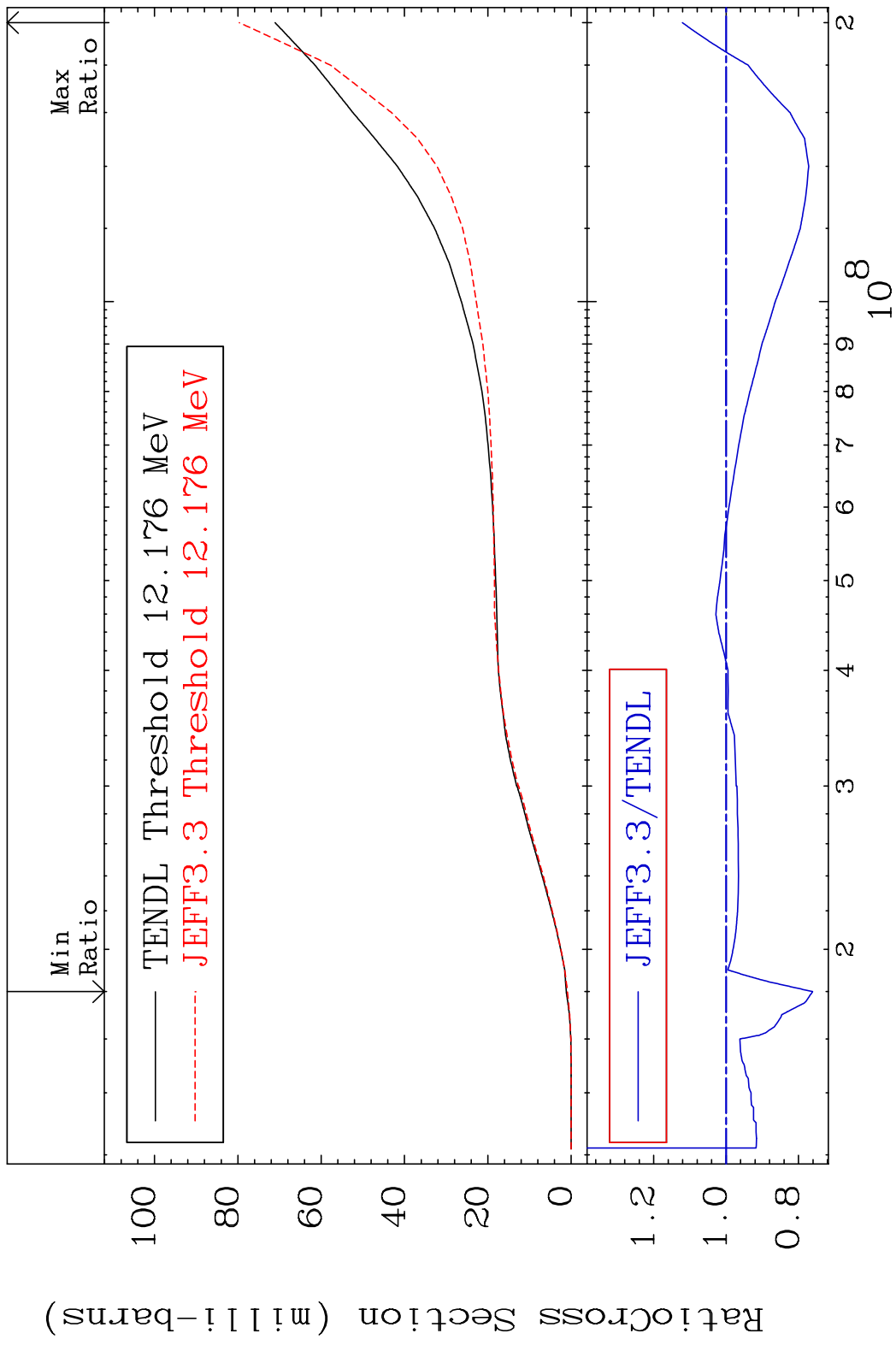
20-Ca-42

MAT 2031 Deuterium Production 20-Ca-42
 Cross Section -100.0 To 117.0 %



63 20-Ca-42

MAT 2031 Tritium Production 20-Ca-42
 Cross Section -23.88 To 12.09 %

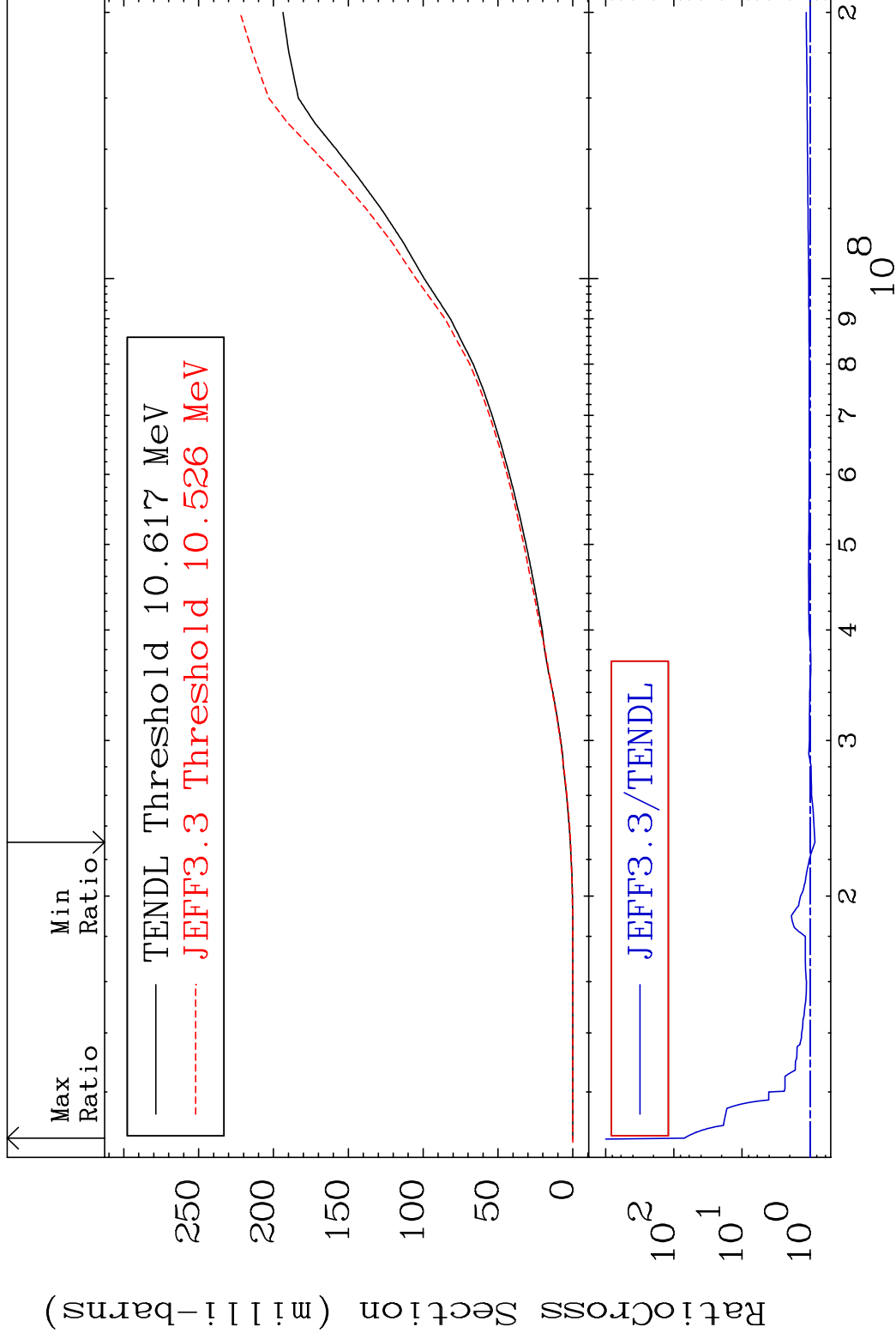


MAT 2031

He-3 Production

20-Ca-42

Cross Section -14.53 To 6942. %



65

Incident Energy (eV)

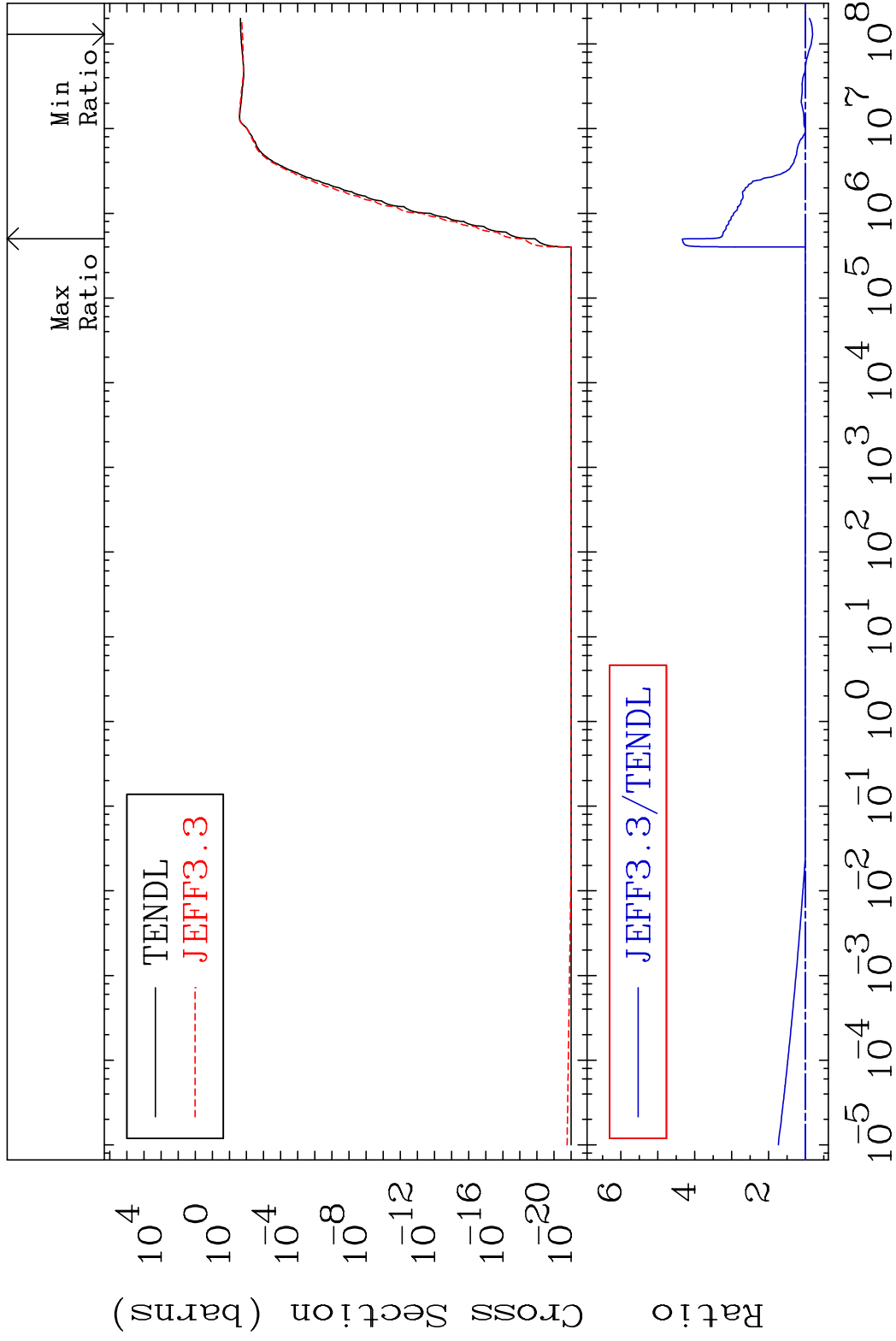
20-Ca-42

MAT 2031

He-4 Production

20-Ca-42

Cross Section -19.39 To 333.5 %



66

Incident Energy (eV)

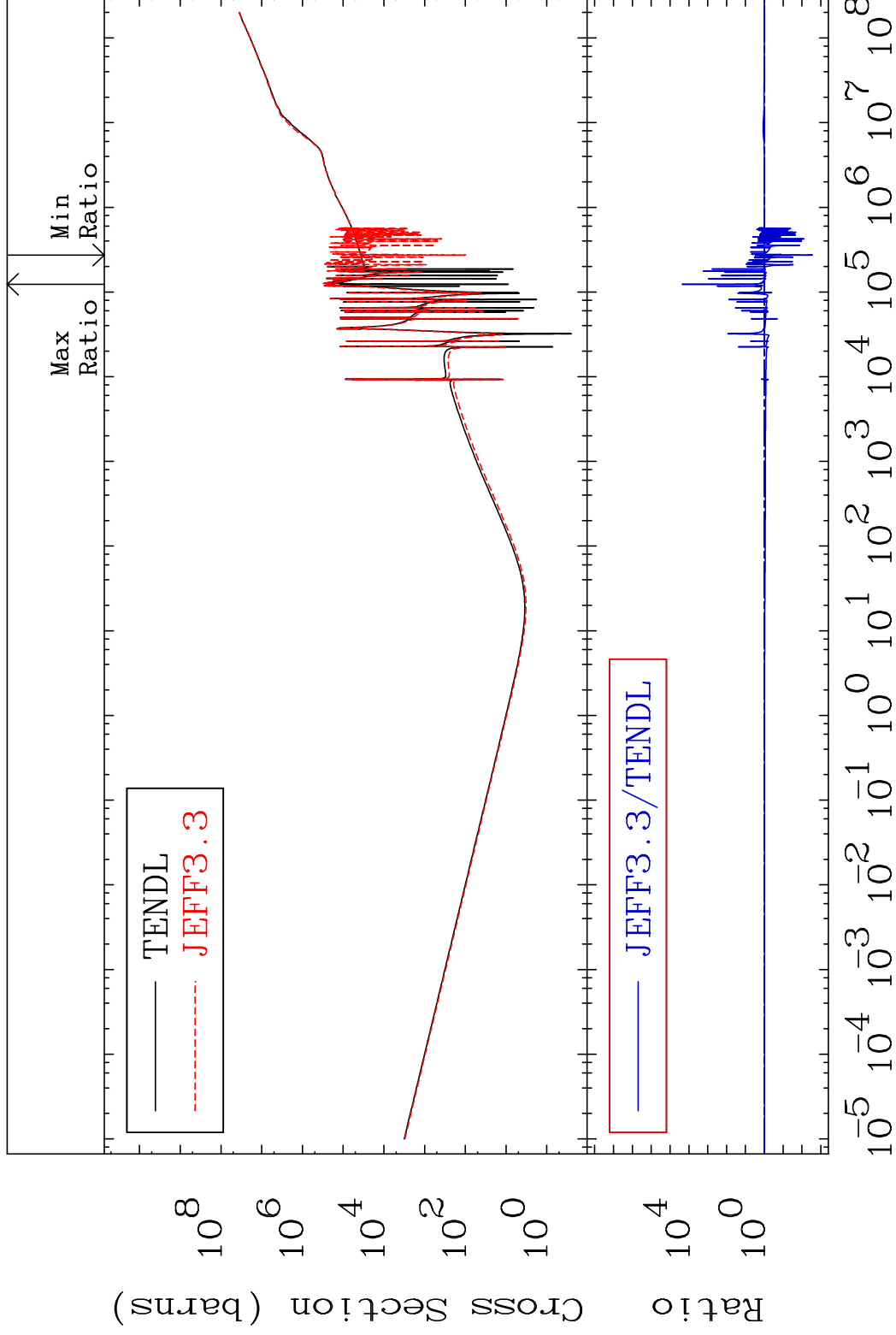
20-Ca-42

MAT 2031

Kerma total (eV-barns)

20-Ca-42

Cross Section -99.73 To 9999. %



67

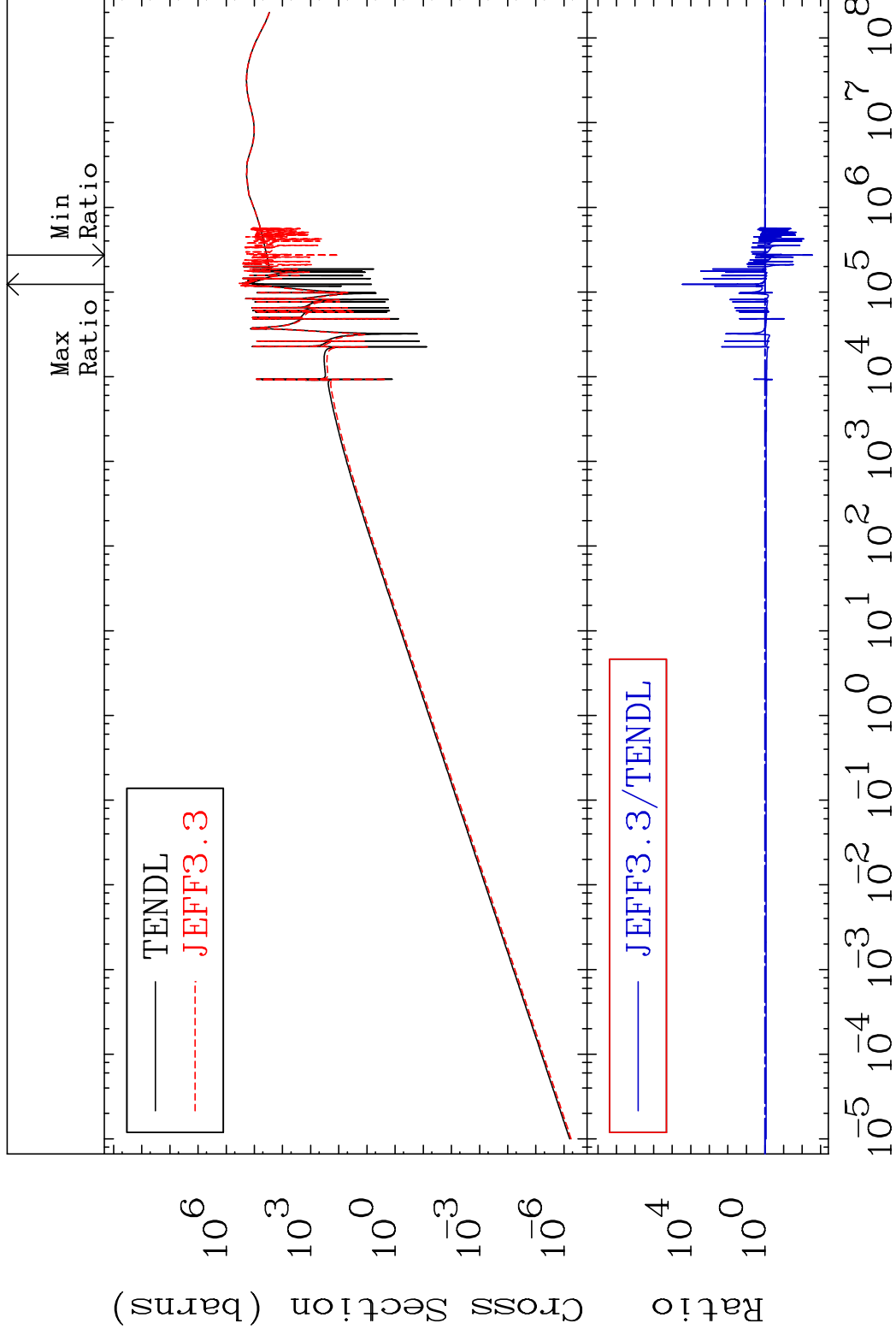
Incident Energy (eV)

20-Ca-42

MAT 2031

Kerma elastic
Cross Section

20-Ca-42
-99.73 To 9999. %

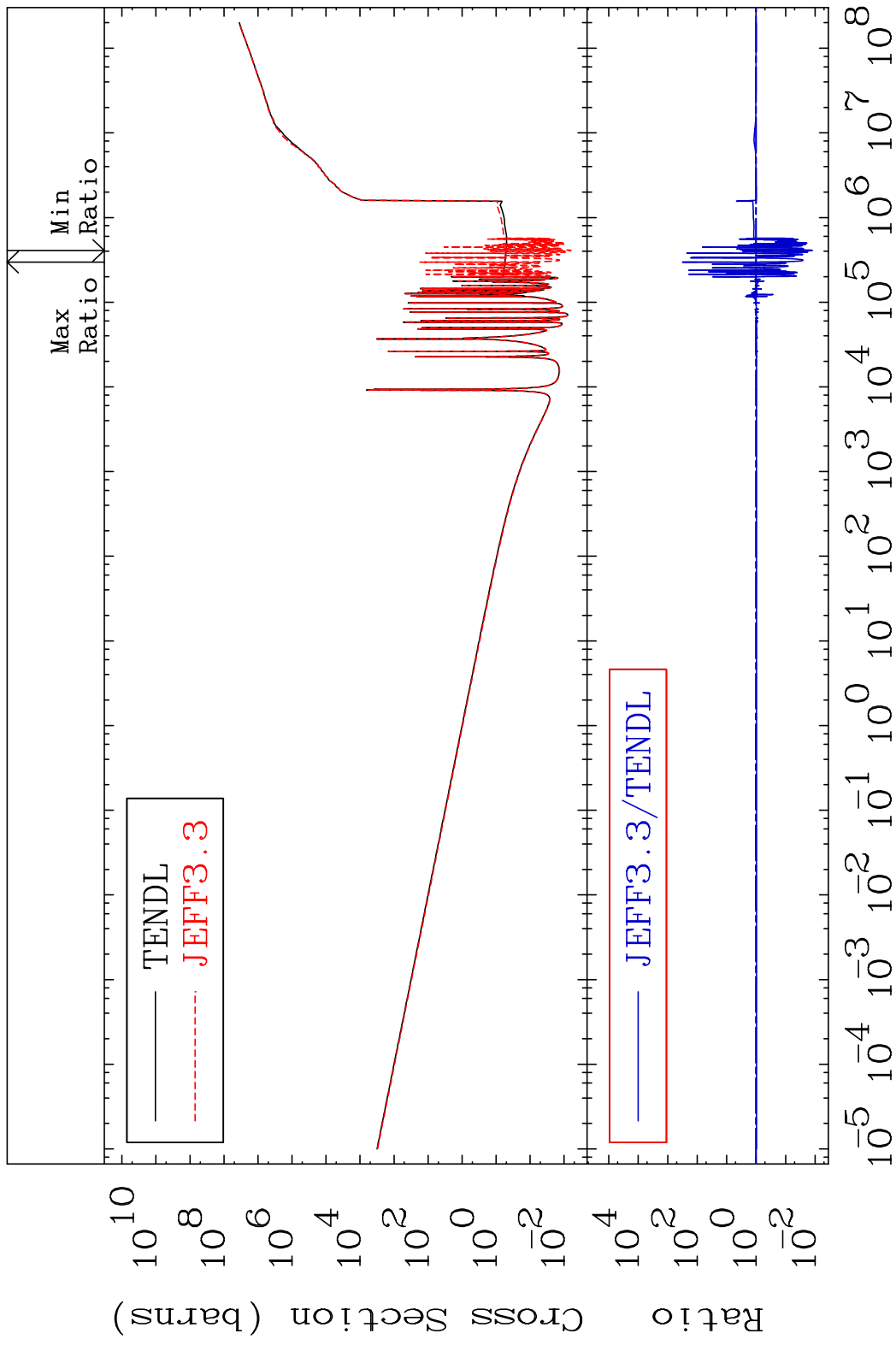


68

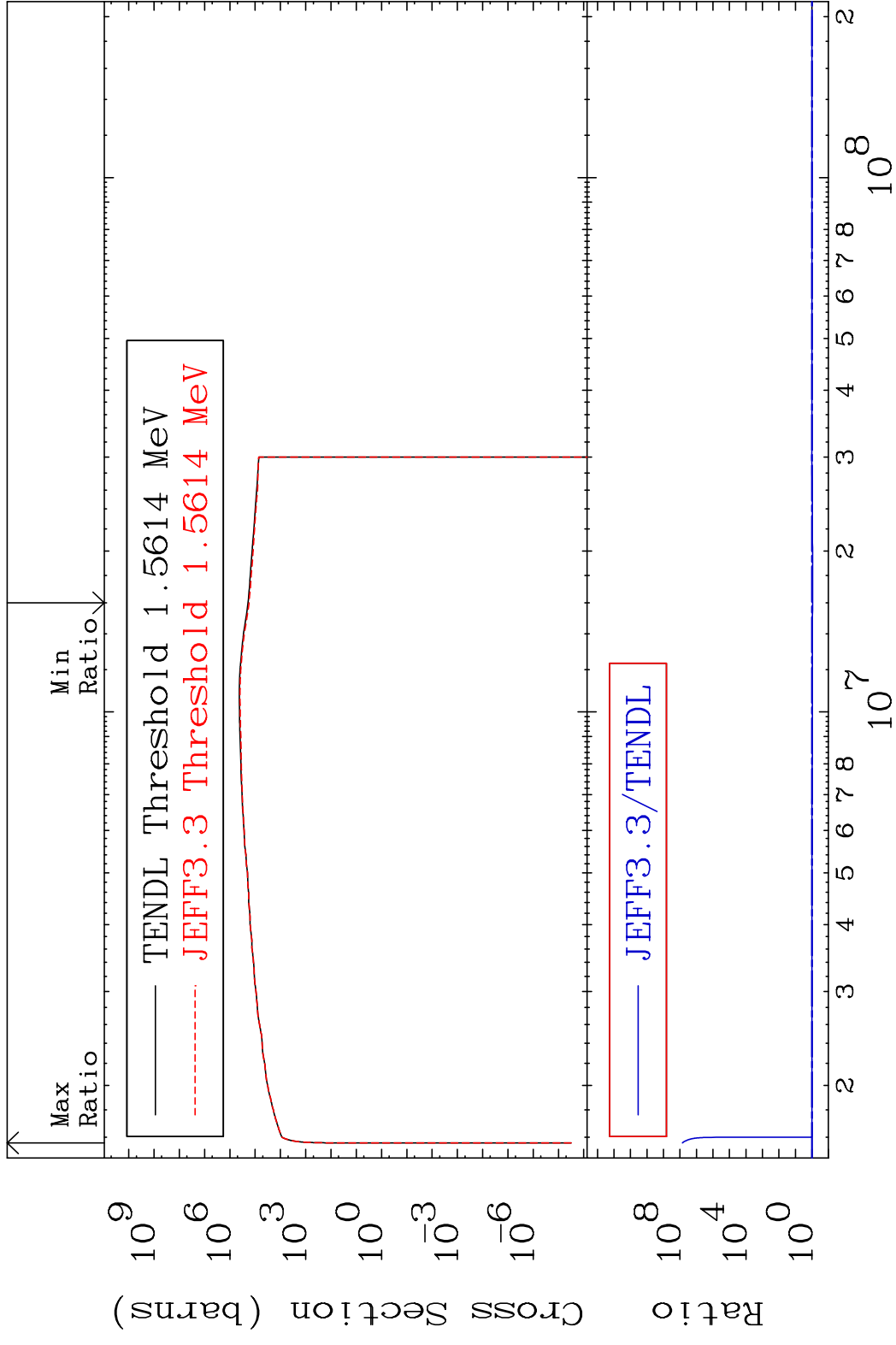
Incident Energy (eV)

20-Ca-42

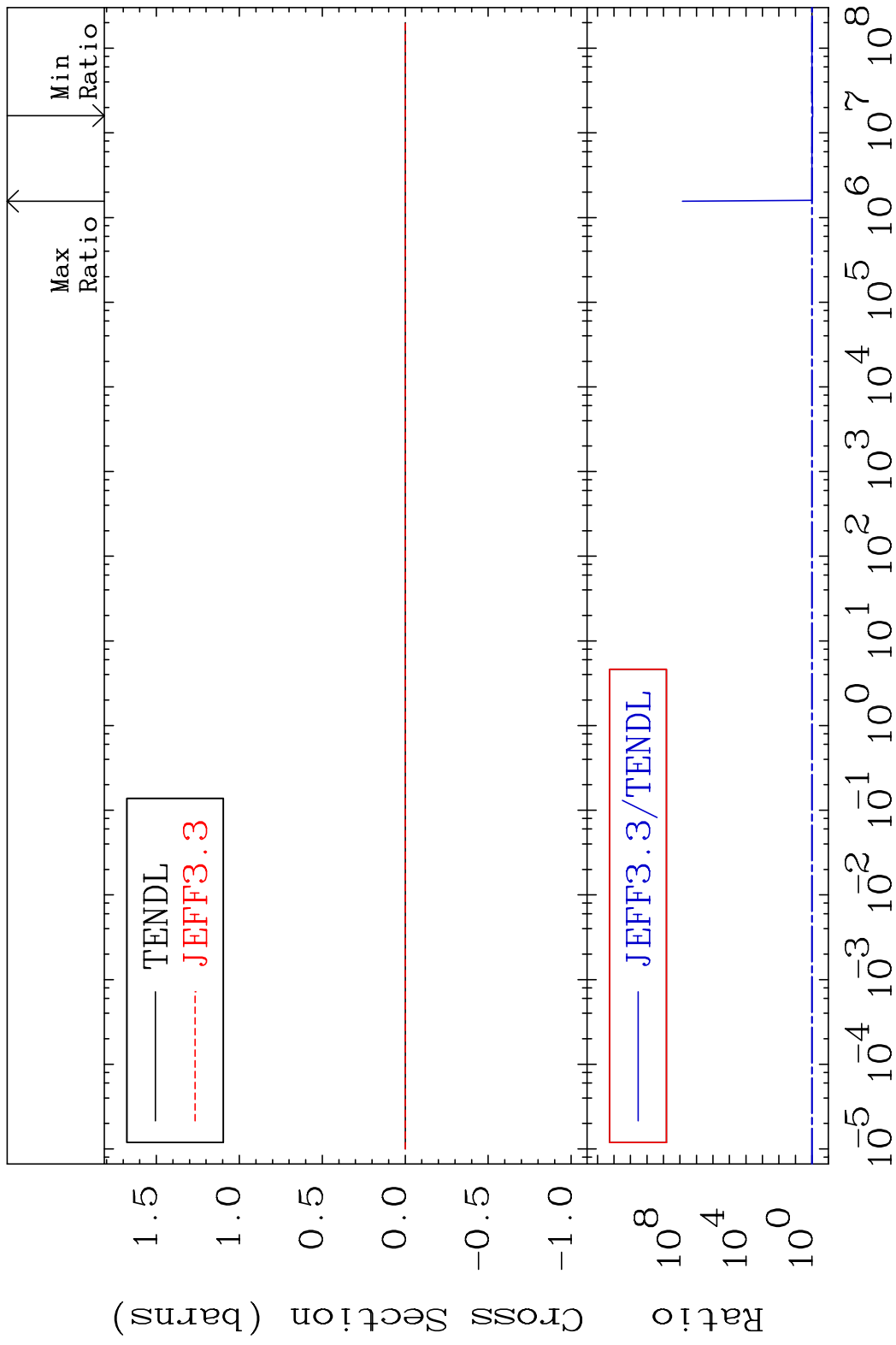
MAT 2031 Kerma non-elastic (all but mt2) 20-Ca-42
 Cross Section -98.78 To 9999. %



MAT 2031 Kerma inelastic (mt51-91) 20-Ca-42
 Cross Section -8.997 To 9999. %



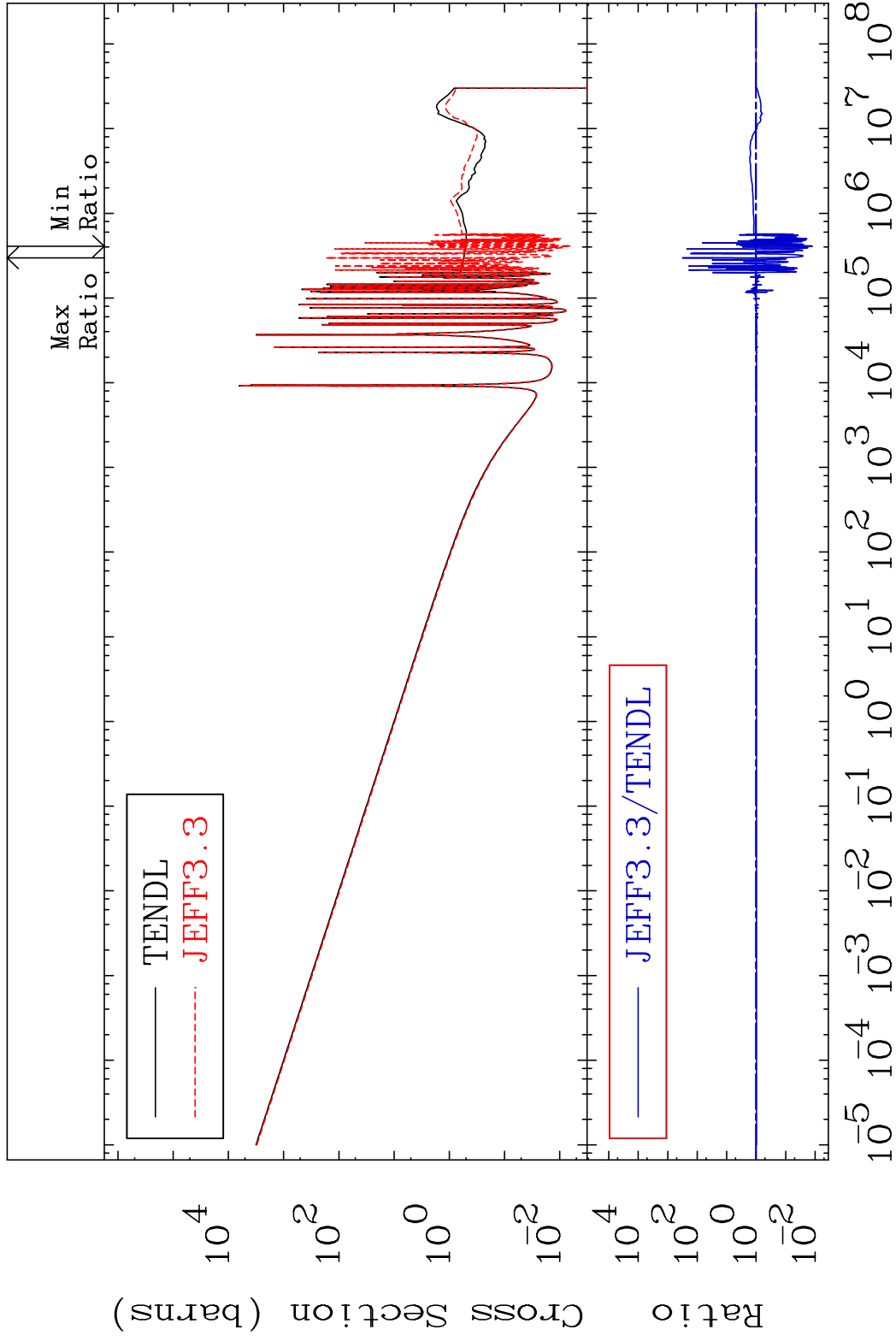
MAT 2031 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-42
 Cross Section -8.997 To 9999. %



MAT 2031

Kerma capture (mt102) 20-Ca-42

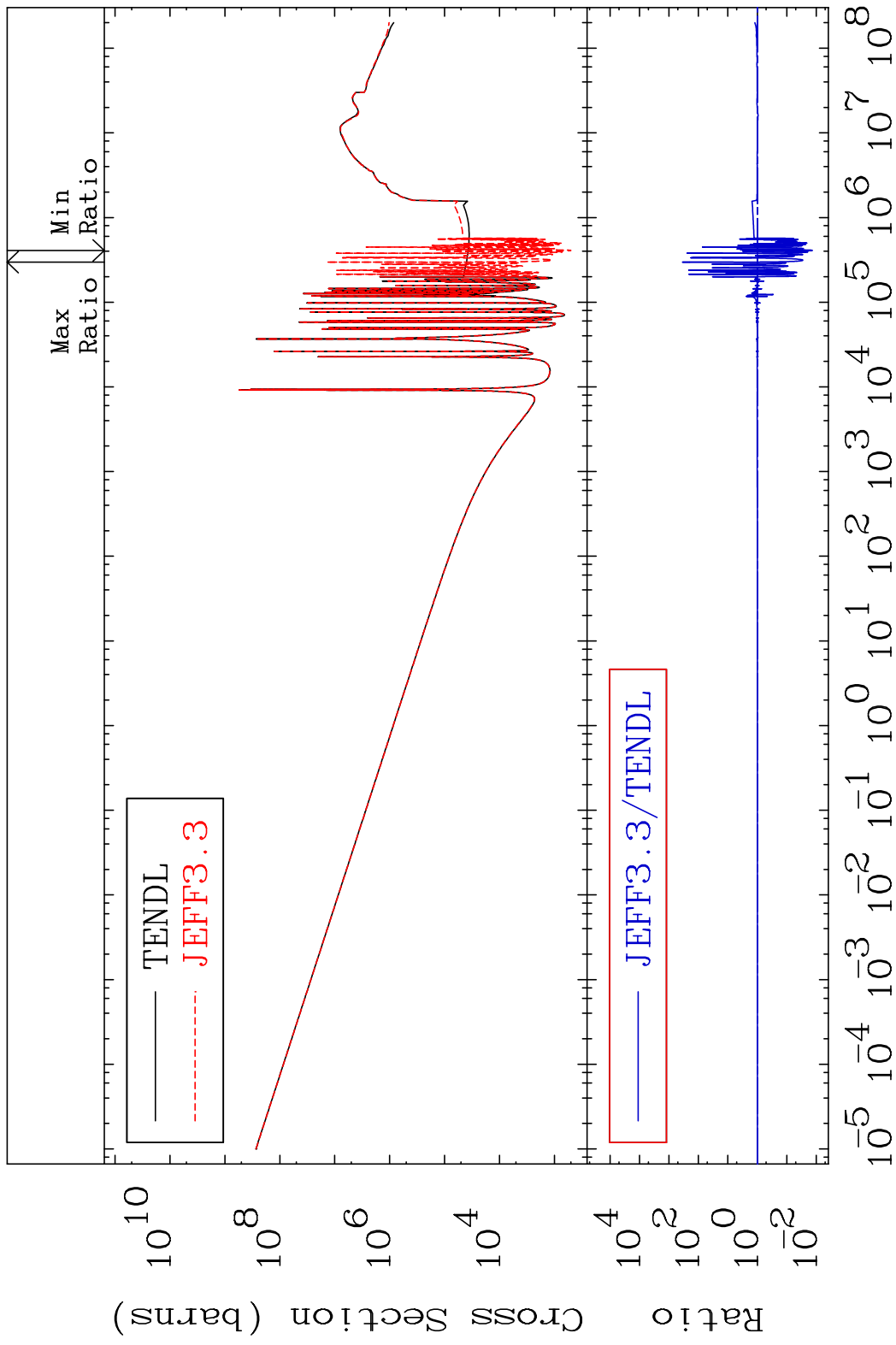
Cross Section -98.78 To 9999. %



72

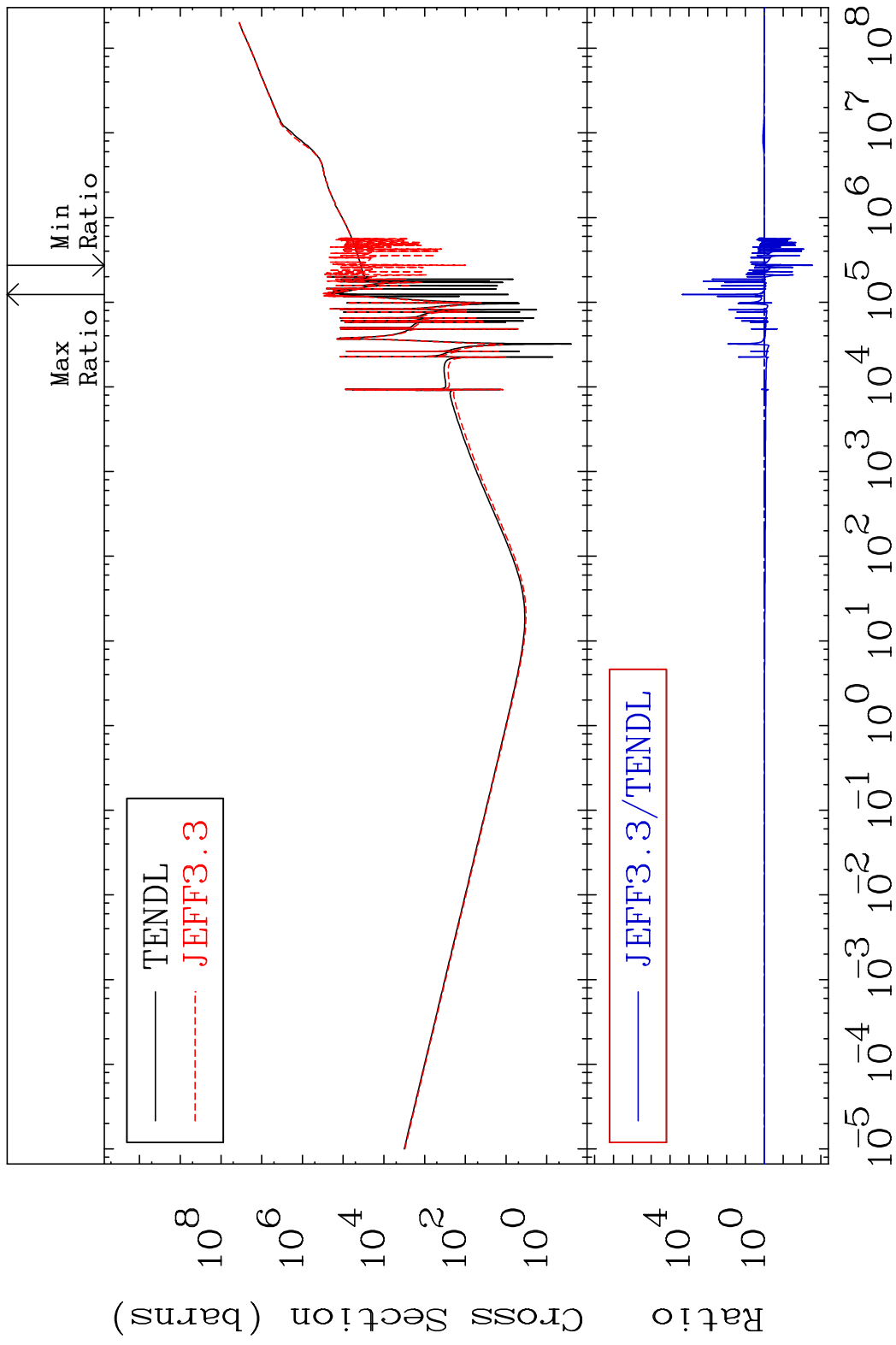
Incident Energy (eV) 20-Ca-42

MAT 2031 Total photon (eV-barns) 20-Ca-42
Cross Section -98.67 To 9999. %



73 Incident Energy (eV) 20-Ca-42

MAT 2031 Total kinematic kerma (high limit) 20-Ca-42
 Cross Section -99.73 To 9999. %

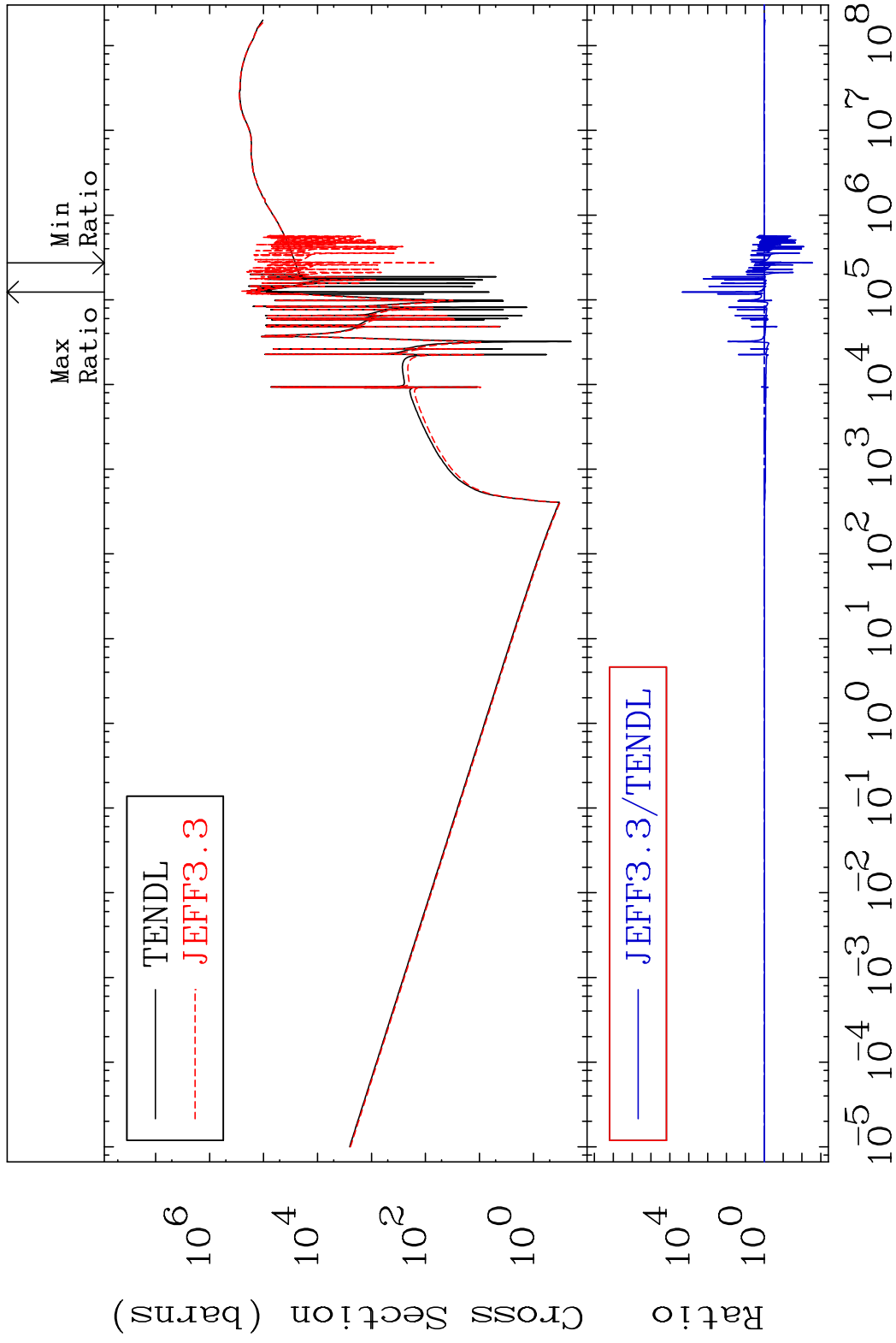


MAT 2031

Dpa total (eV-barns)

20-Ca-42

Cross Section -99.73 To 9999. %



75

Incident Energy (eV)

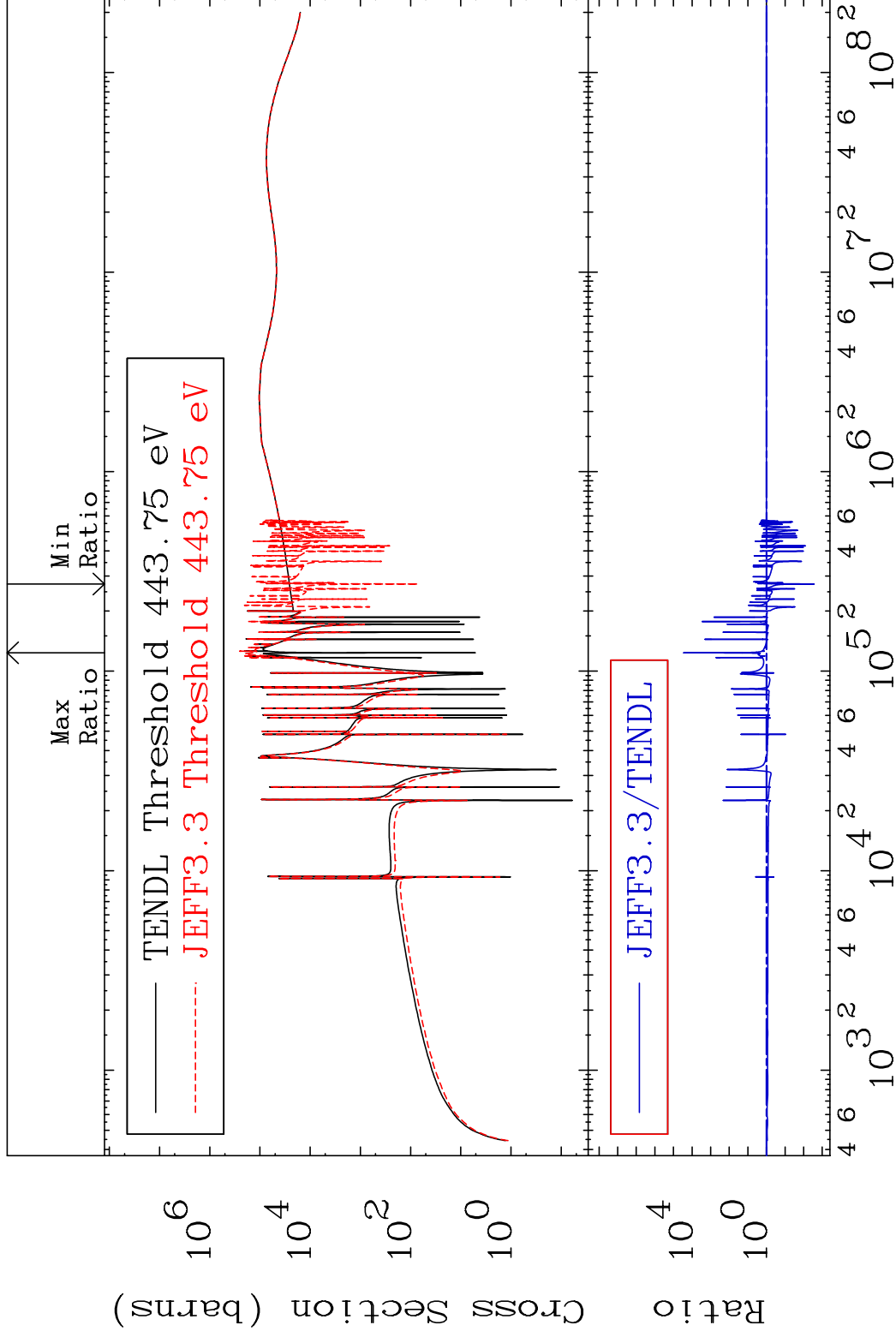
20-Ca-42

MAT 2031

Dpa elastic (mt2)

20-Ca-42

Cross Section -99.73 To 9999. %

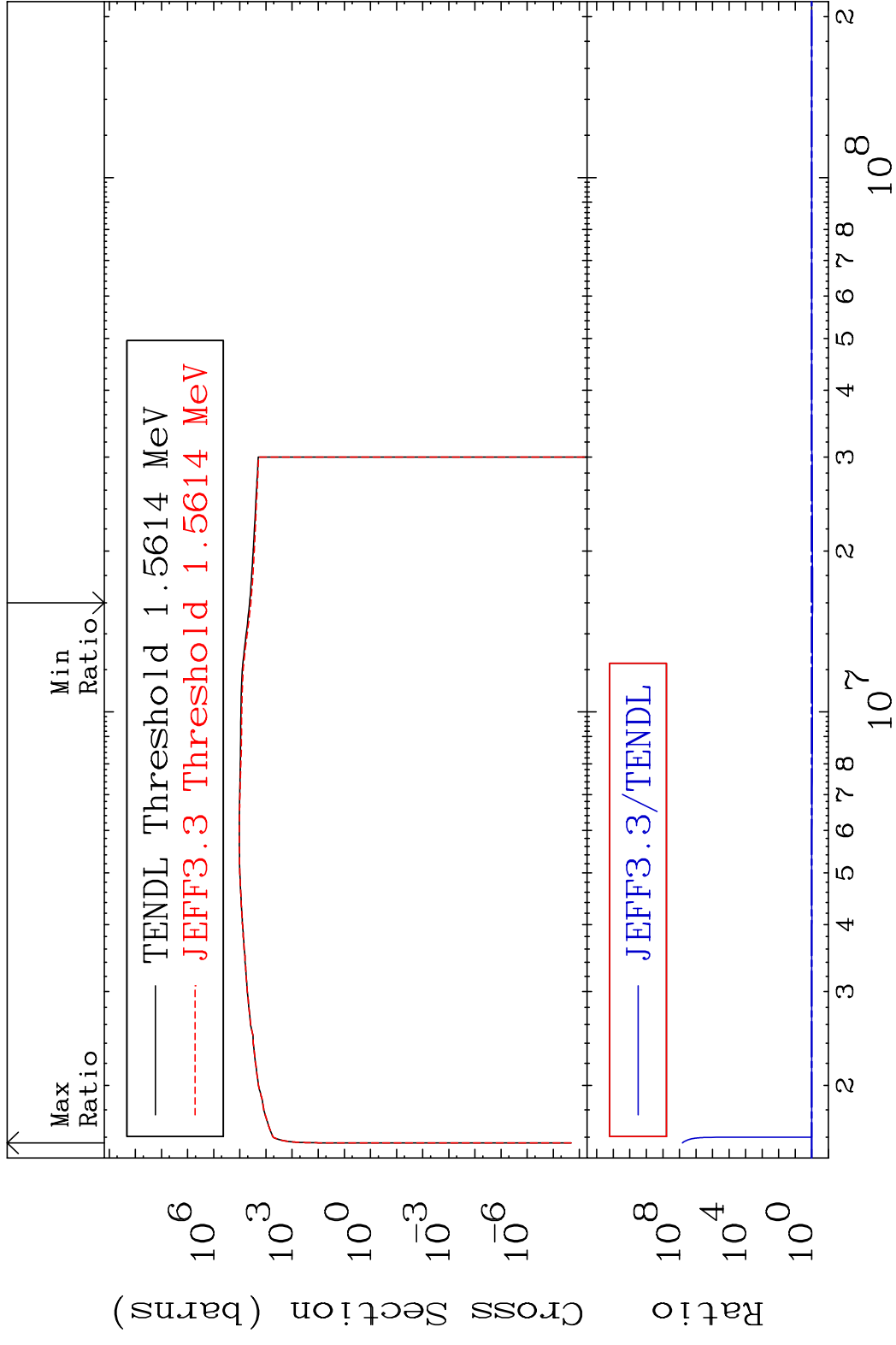


76

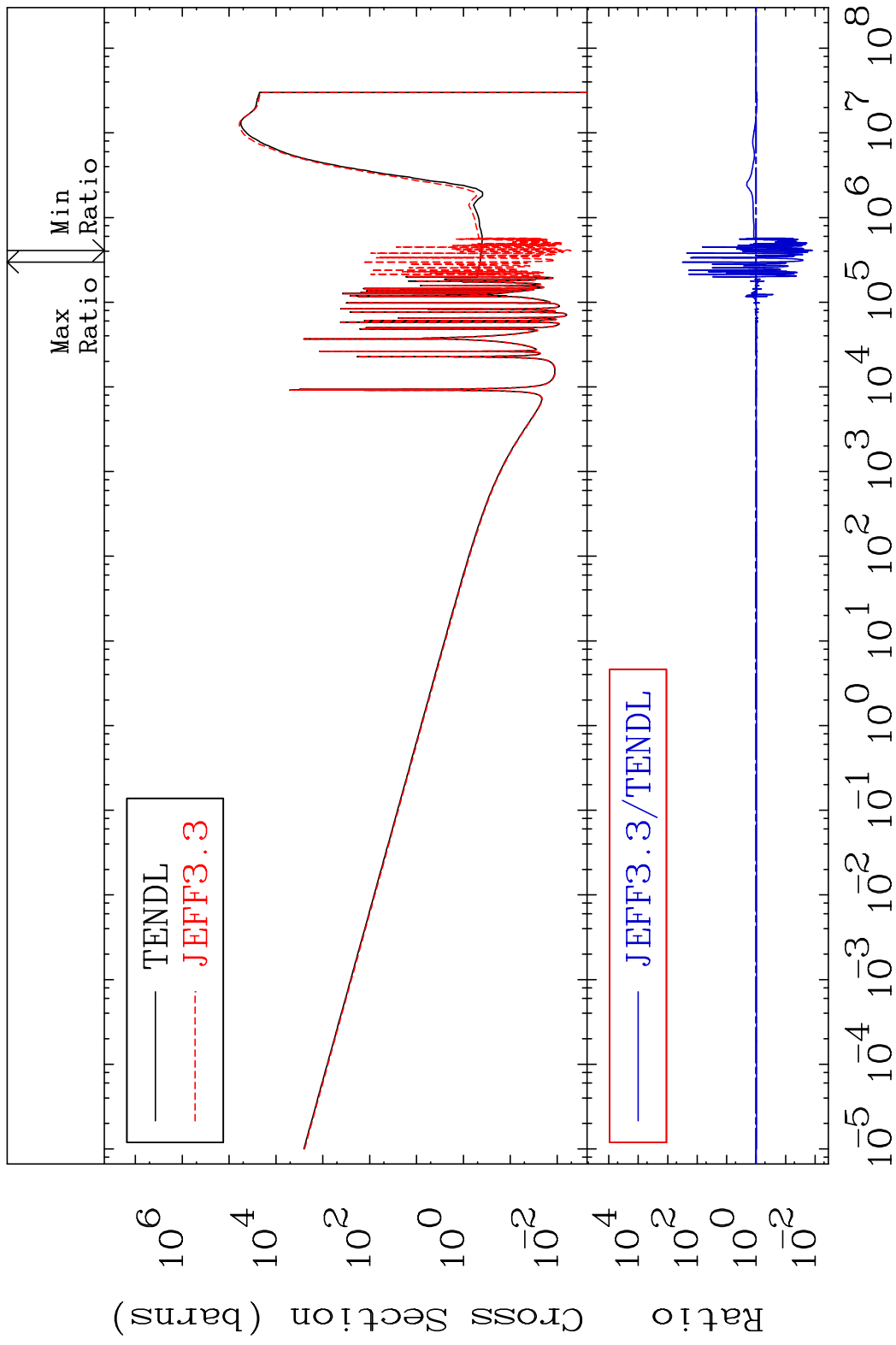
Incident Energy (eV)

20-Ca-42

MAT 2031 Dpa inelastic (mt51-91) 20-Ca-42
 Cross Section -10.27 To 9999. %



MAT 2031 Dpa disappearance (mt102 -120) 20-Ca-42
 Cross Section -98.78 To 9999. %



MAT 2031 (n, p) α :17-Cl-38g 20-Ca-42
 Radionuclide Production Cross Section 159.9 %

