

Program Complot
(Version 2021-1)

by

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U.S.A.

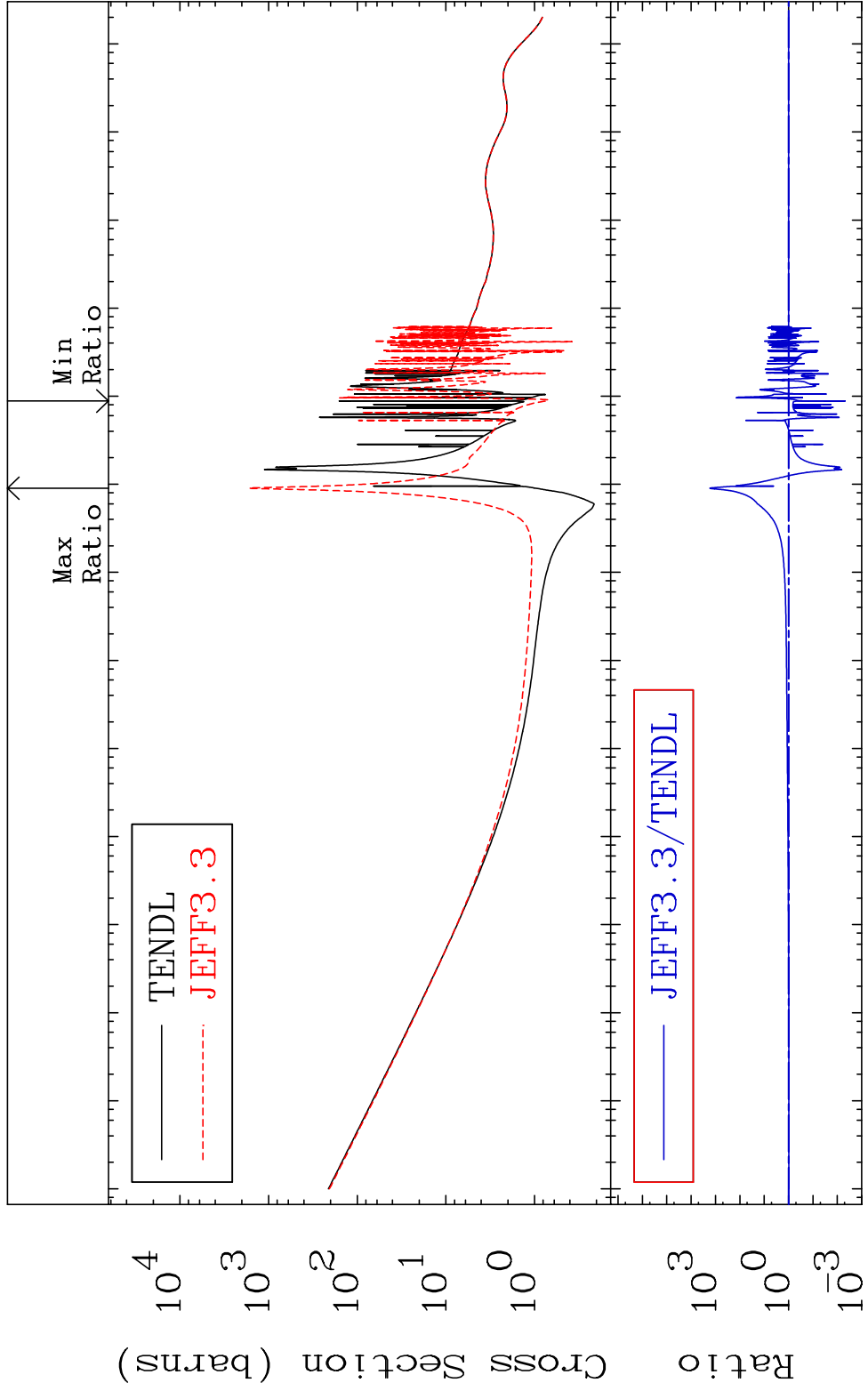
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E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2028

Total Cross Section -99.53 To 9999. % 20-Ca-41



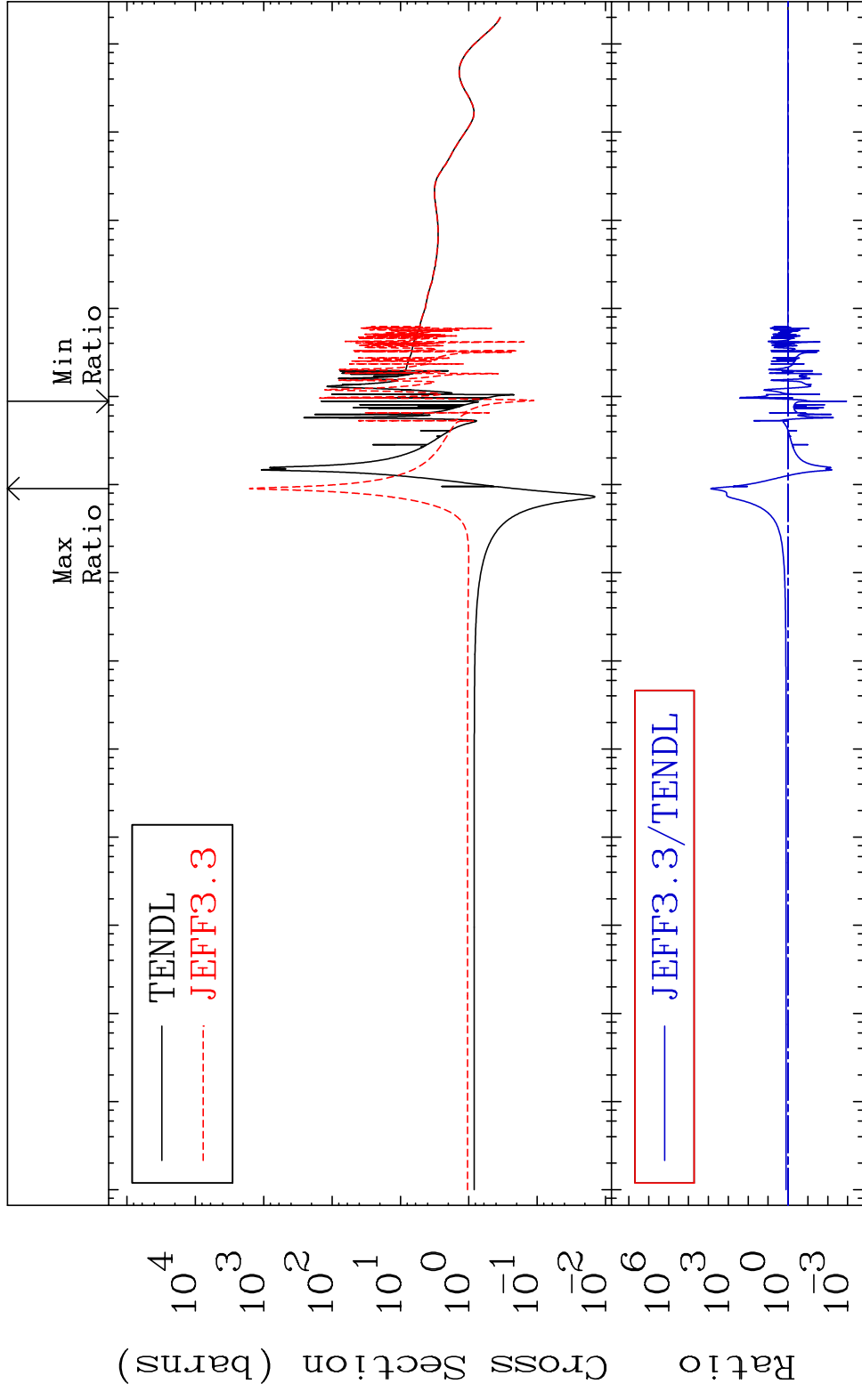
1 Incident Energy (eV) 20-Ca-41

MAT 2028

20-Ca-41

Elastic

Cross Section -99.88 To 9999. %



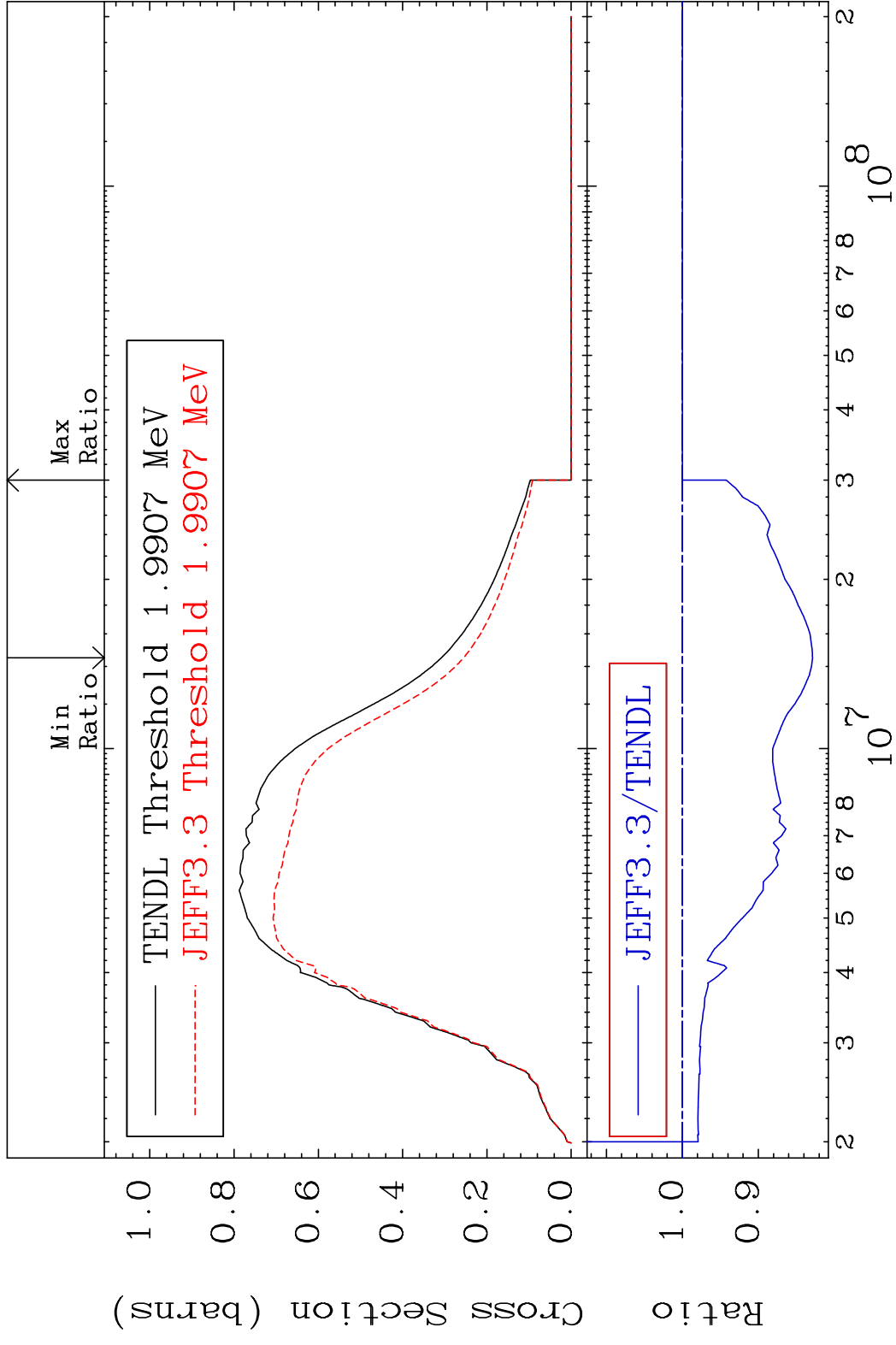
2

Incident Energy (eV)

20-Ca-41

MAT 2028

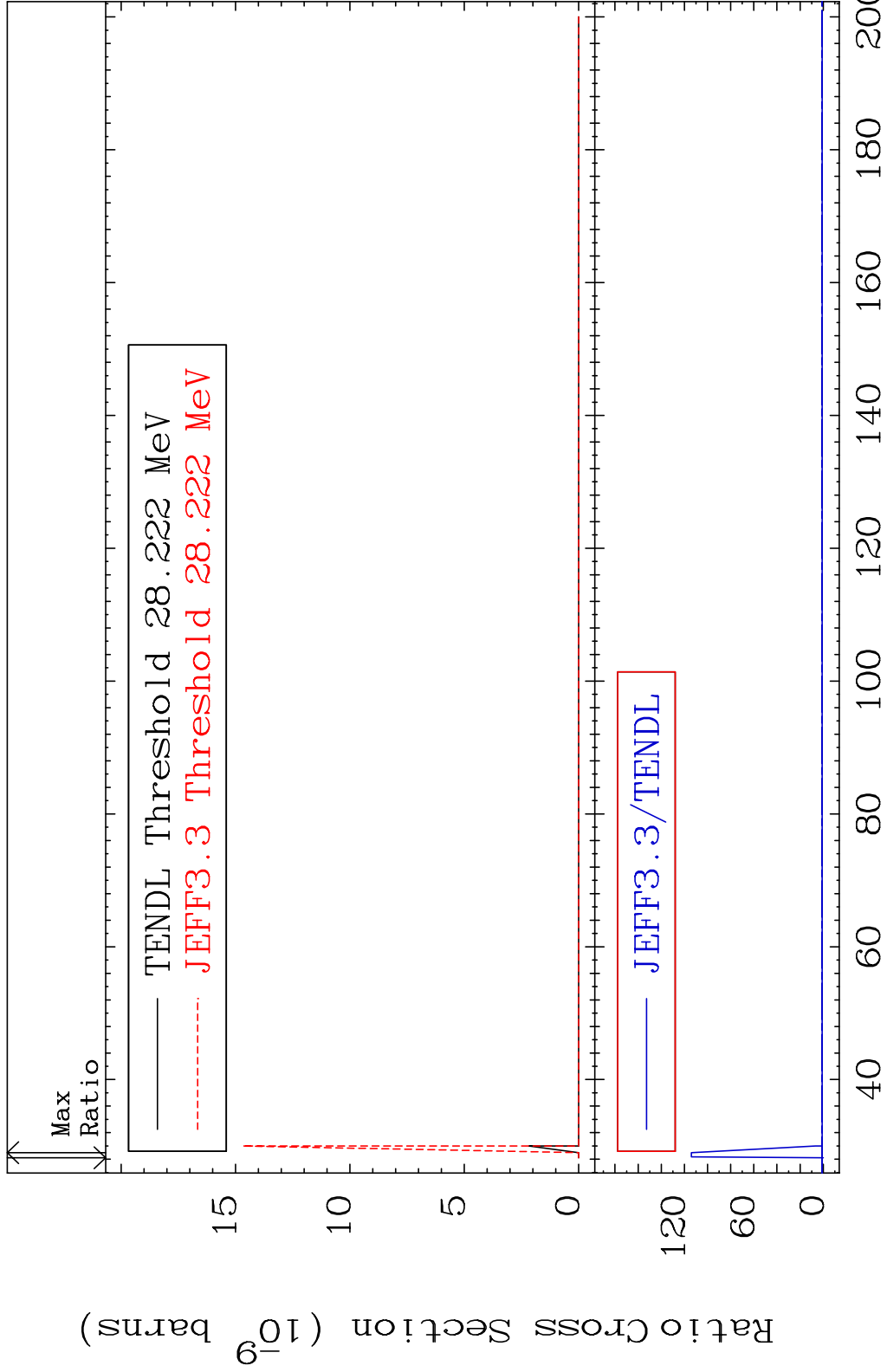
Inelastic
Cross Section -17.14 To 0.000 %
20-Ca-41



3

Incident Energy (eV) 20-Ca-41

MAT 2028 (n,2n) d 20-Ca-41
Cross Section -100.0 To 9999. %



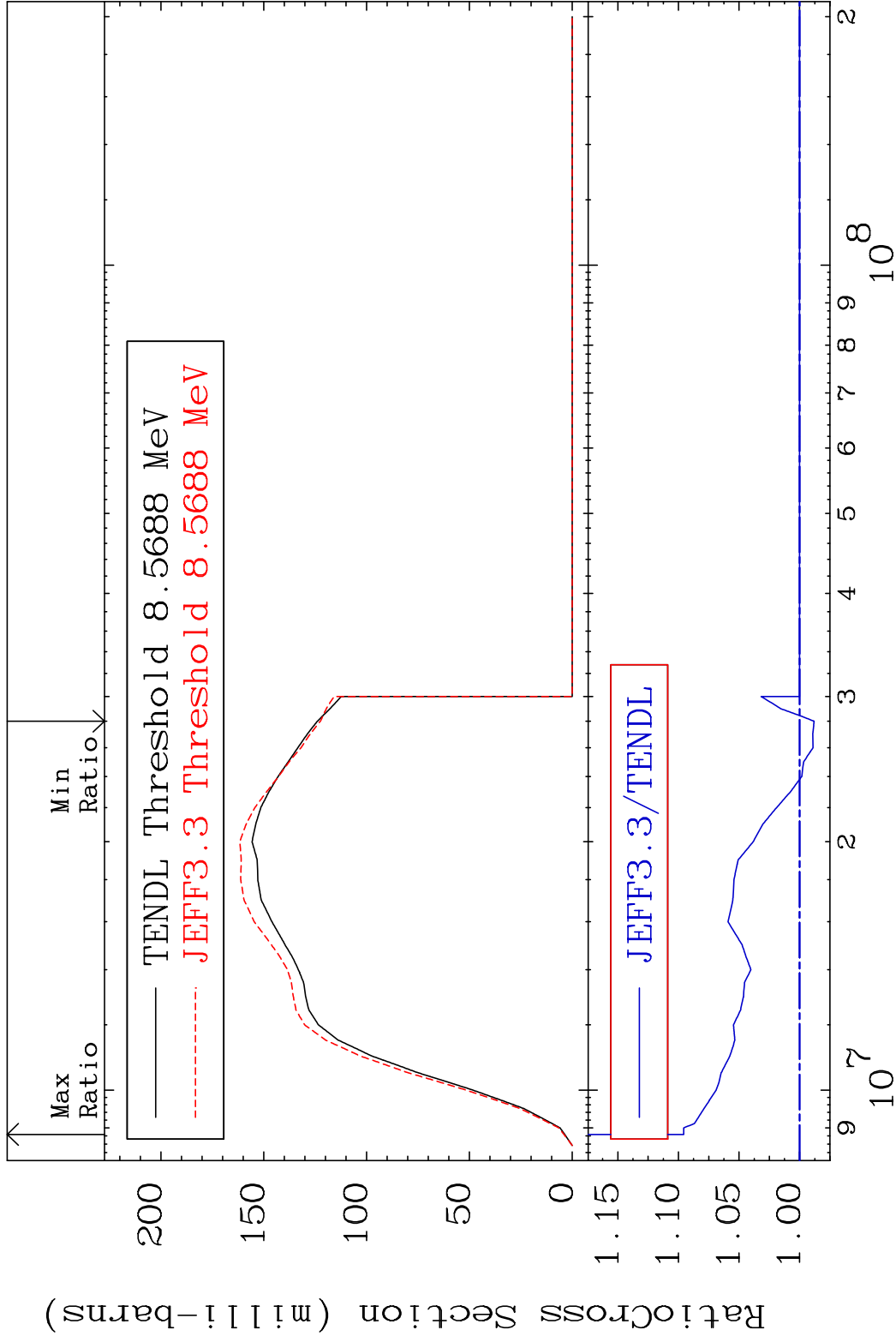
4 Incident Energy (MeV) 20-Ca-41

MAT 2028

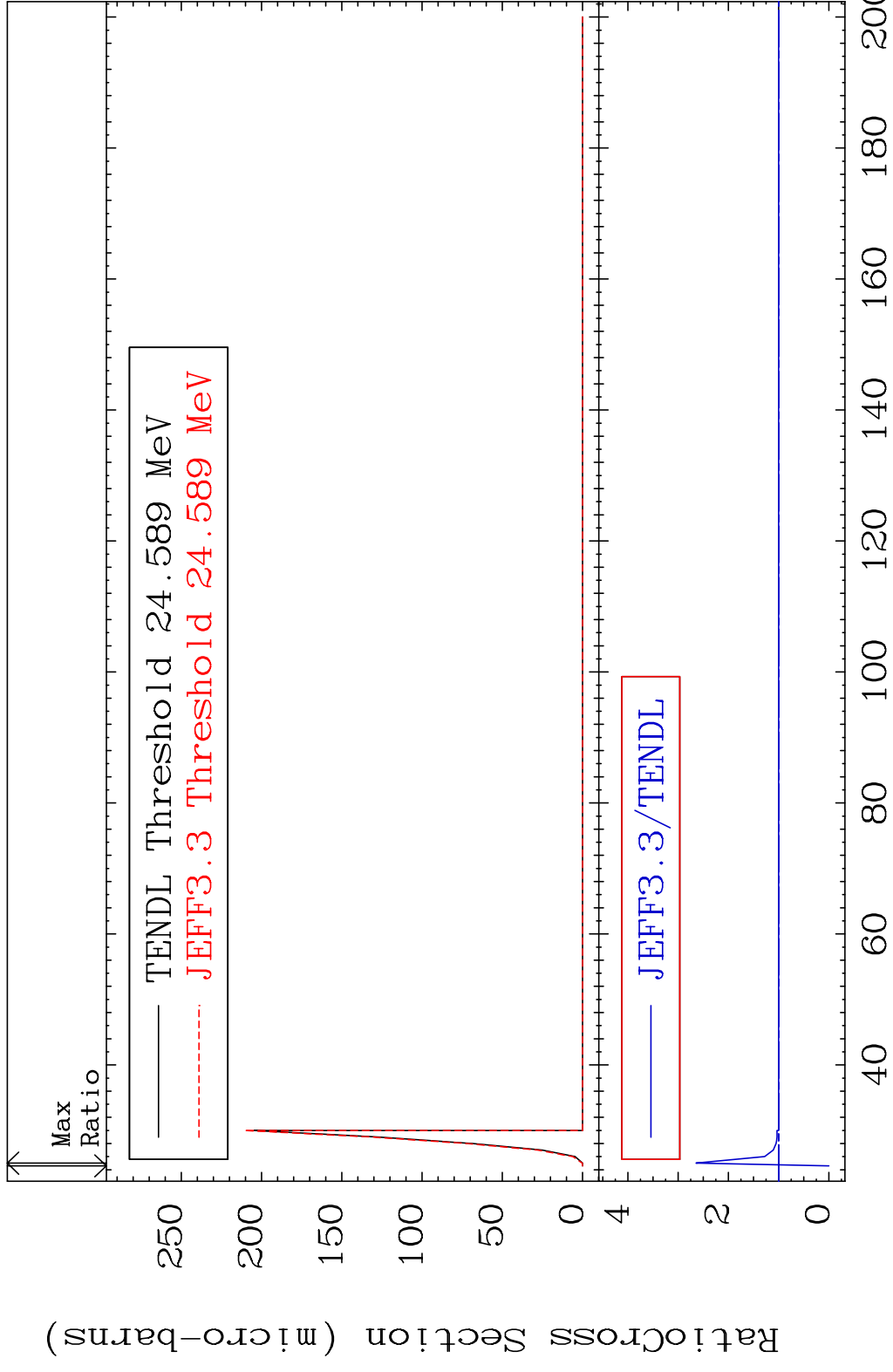
(n,2n)

20-Ca-41

Cross Section -1.194 To 9.569 %



MAT 2028 (n,3n) 20-Ca-41
 Cross Section -100.0 To 164.4 %

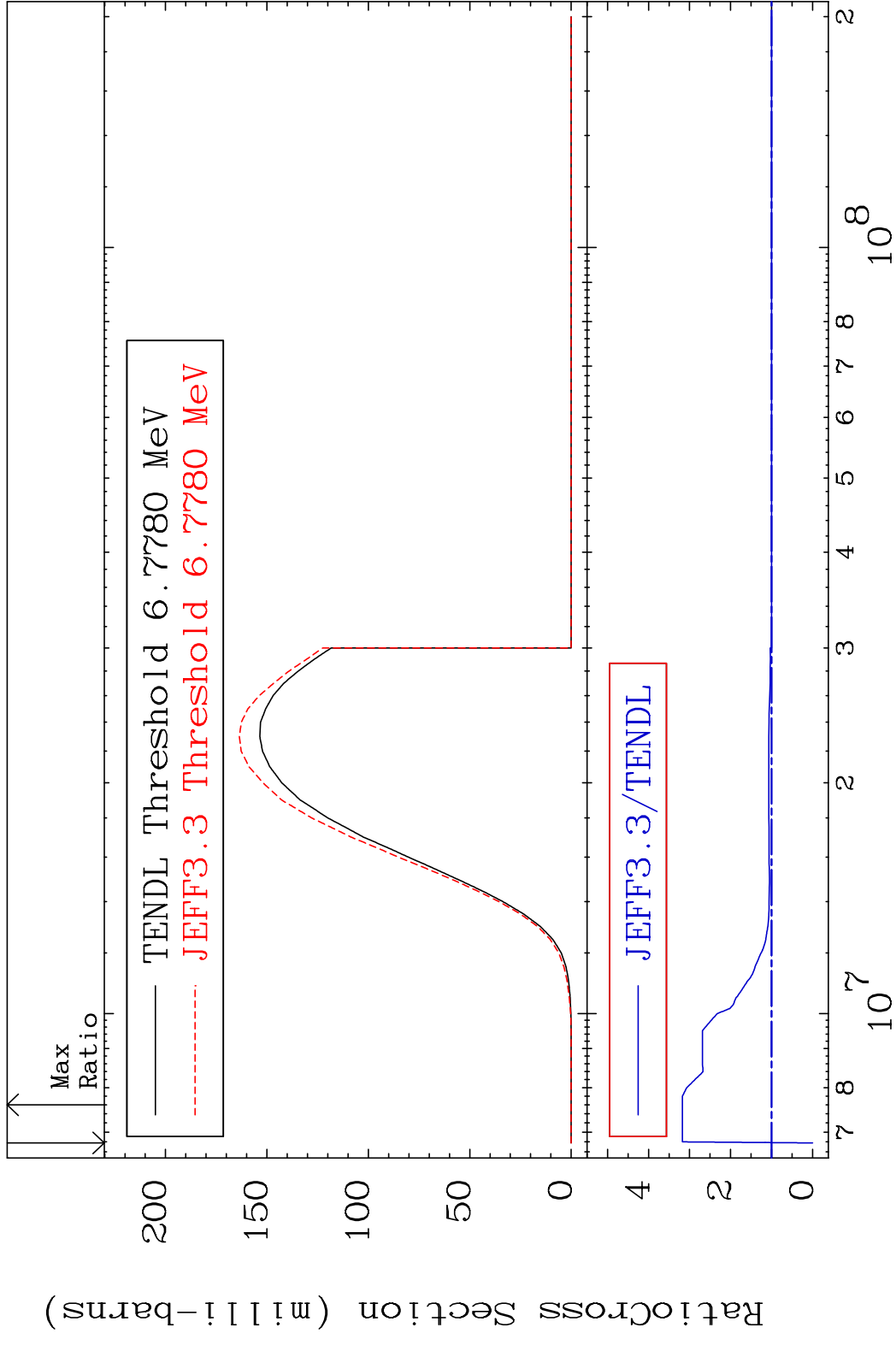


MAT 2028

(n, n') α

20-Ca-41

Cross Section -100.0 To 217.6 %

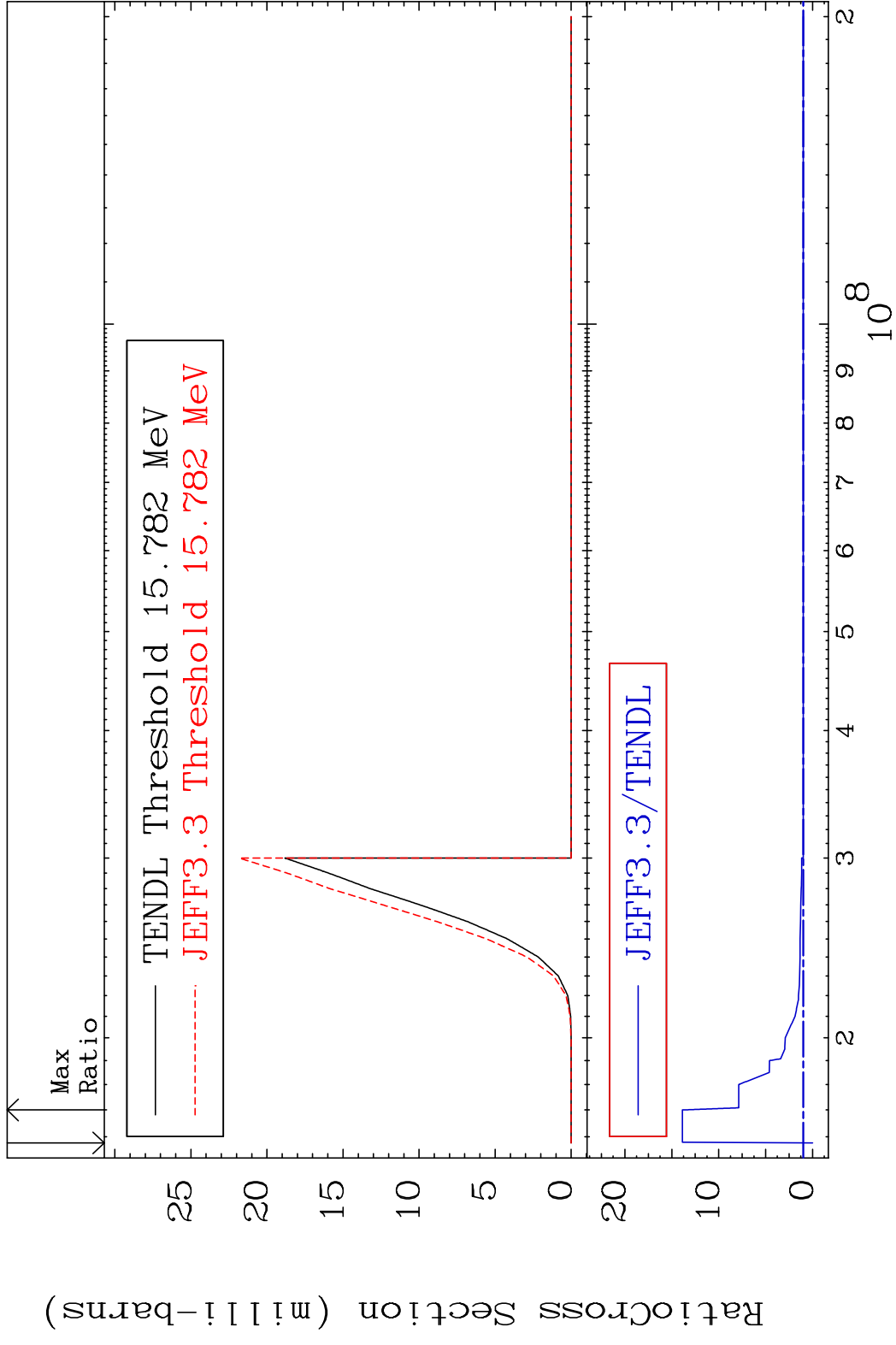


7

Incident Energy (eV)

20-Ca-41

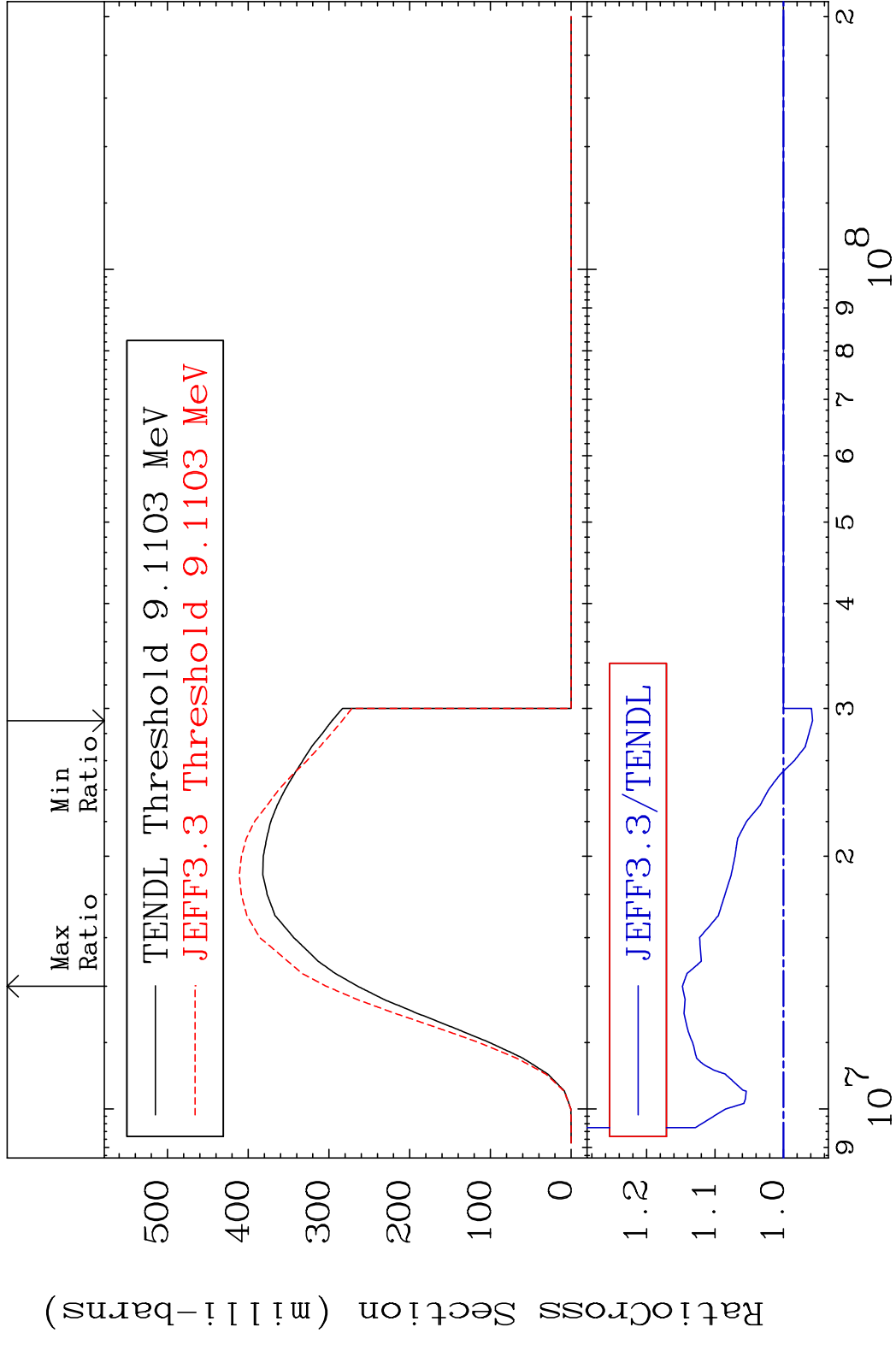
MAT 2028 (n,2n) α 20-Ca-41
 Cross Section -100.0 To 1287. %



8 8 9 10 2

MAT 2028

(n, n') p
Cross Section -4.249 To 14.77 %
20-Ca-41



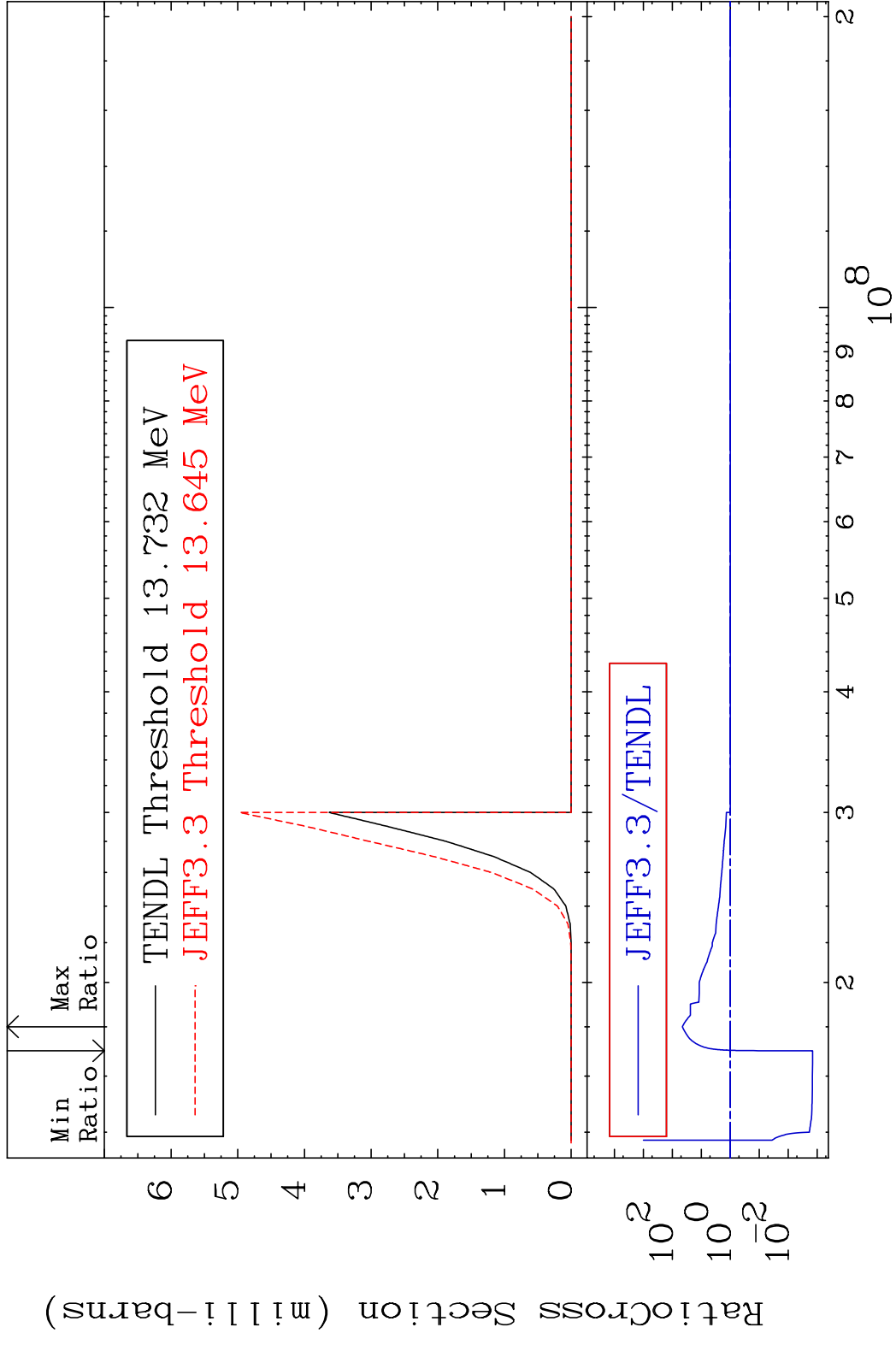
9 10⁷ 2 10⁸ 20-Ca-41

MAT 2028

(n, n') 2 α

20-Ca-41

Cross Section -99.86 To 4402. %

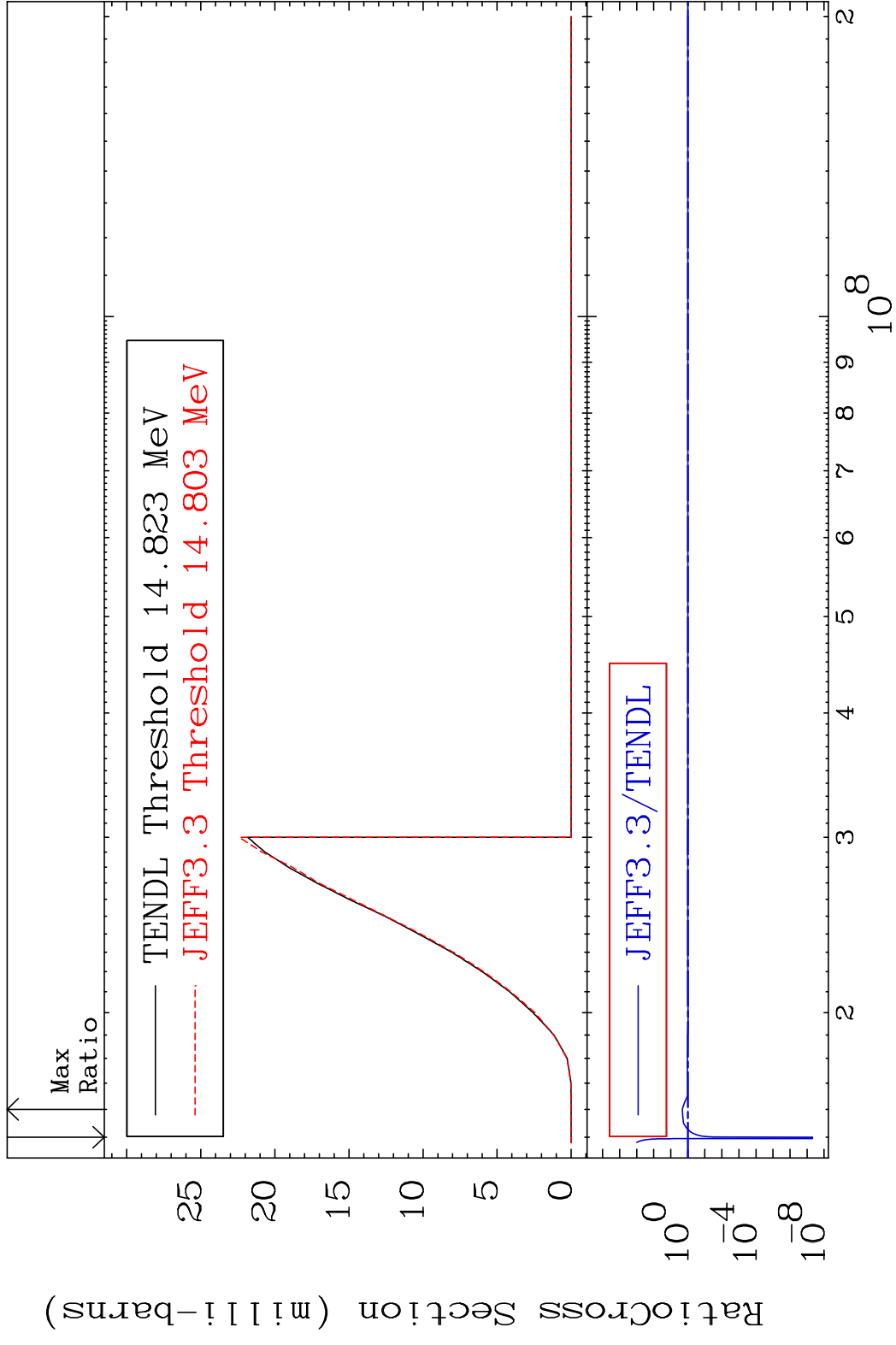


10

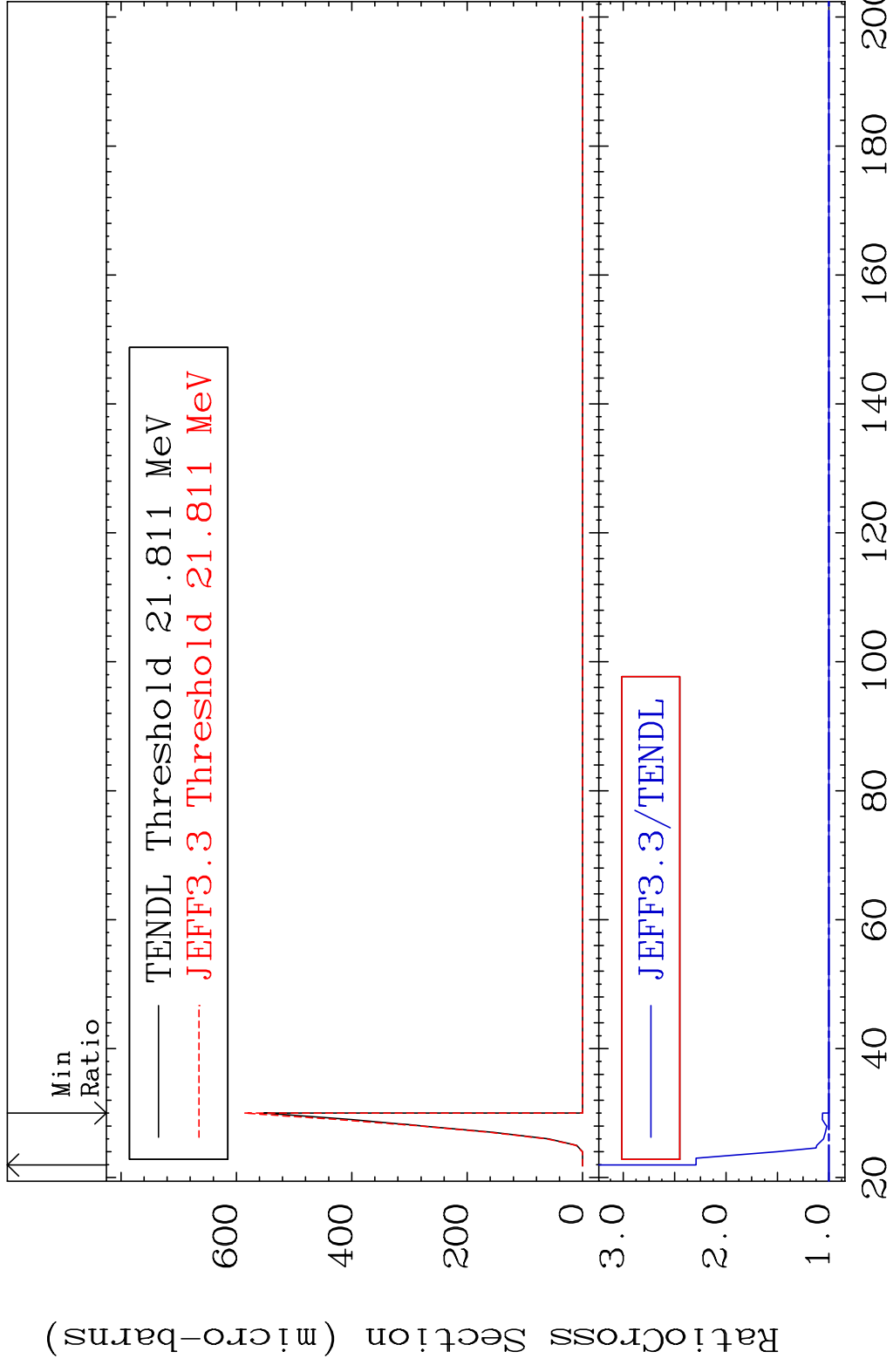
Incident Energy (eV)

20-Ca-41

MAT 2028 (n, n') d 20-Ca-41
 Cross Section -100.0 To 109.1 %

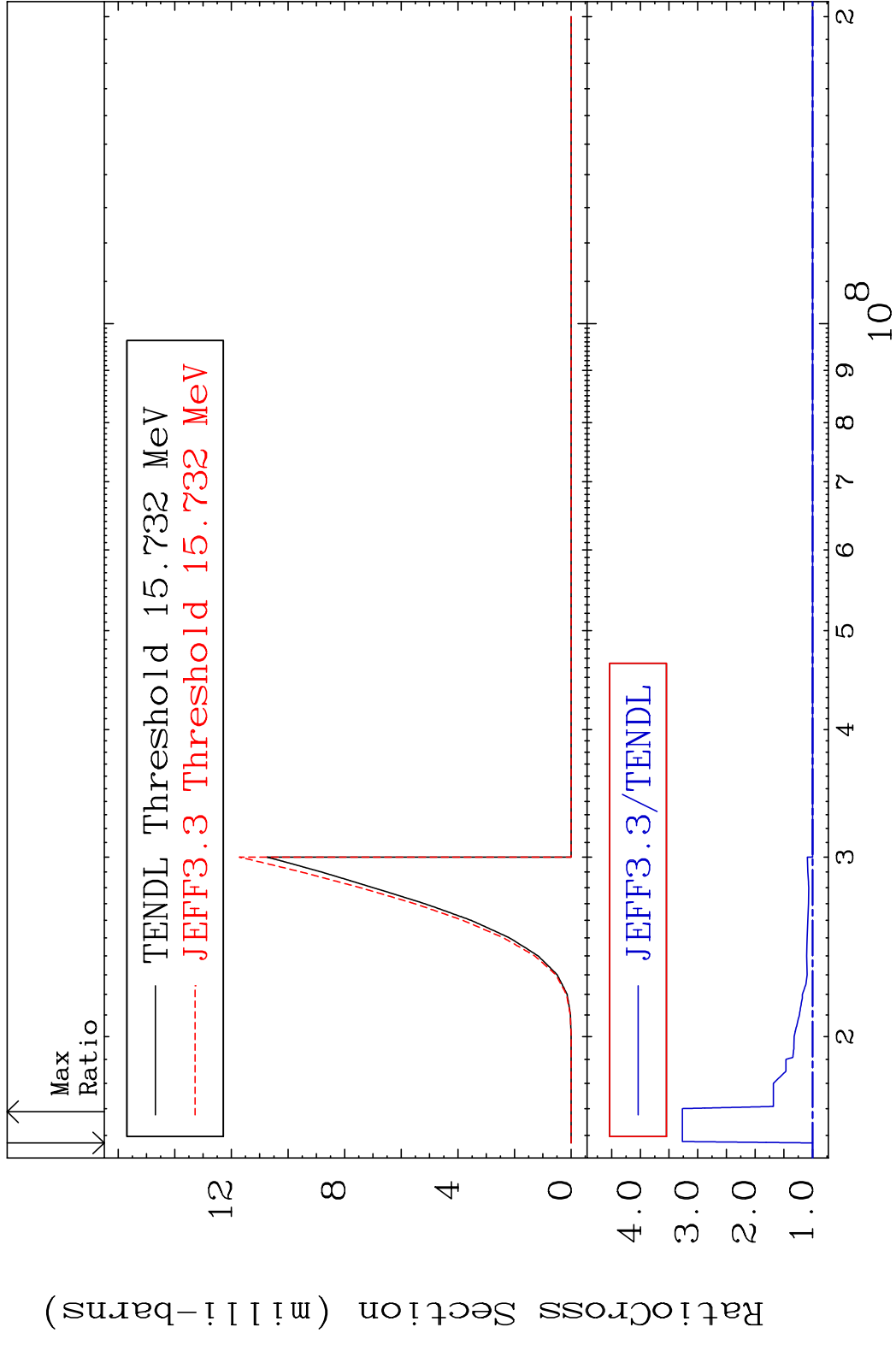


MAT 2028 (n, n') t 20-Ca-41
 Cross Section 0.000 To 129.2 %



12 Incident Energy (MeV) 20-Ca-41

MAT 2028 (n,n') He-3 20-Ca-41
 Cross Section 0.000 To 226.8 %

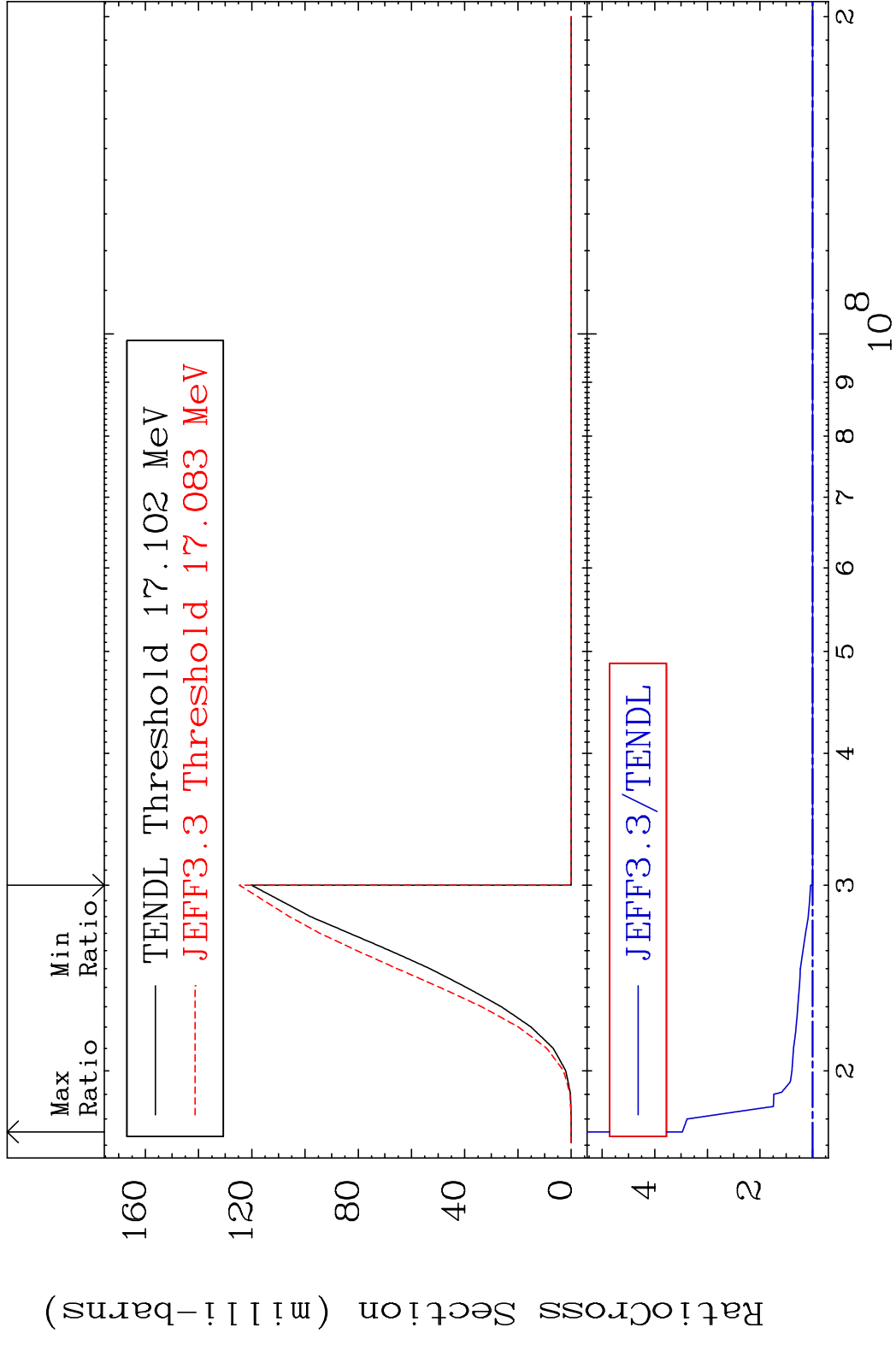


MAT 2028

(n,2n) p

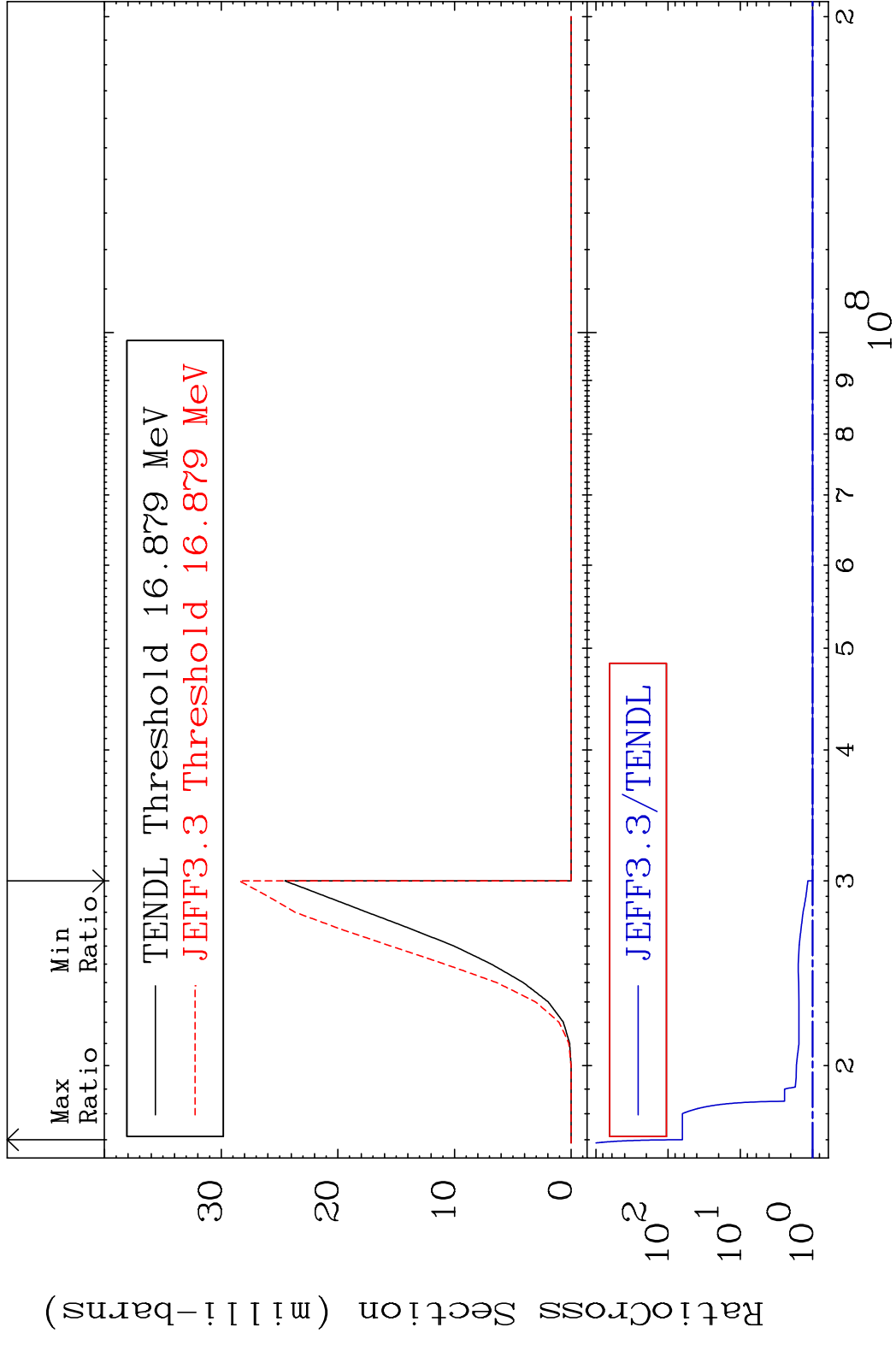
20-Ca-41

Cross Section 0.000 To 247.6 %

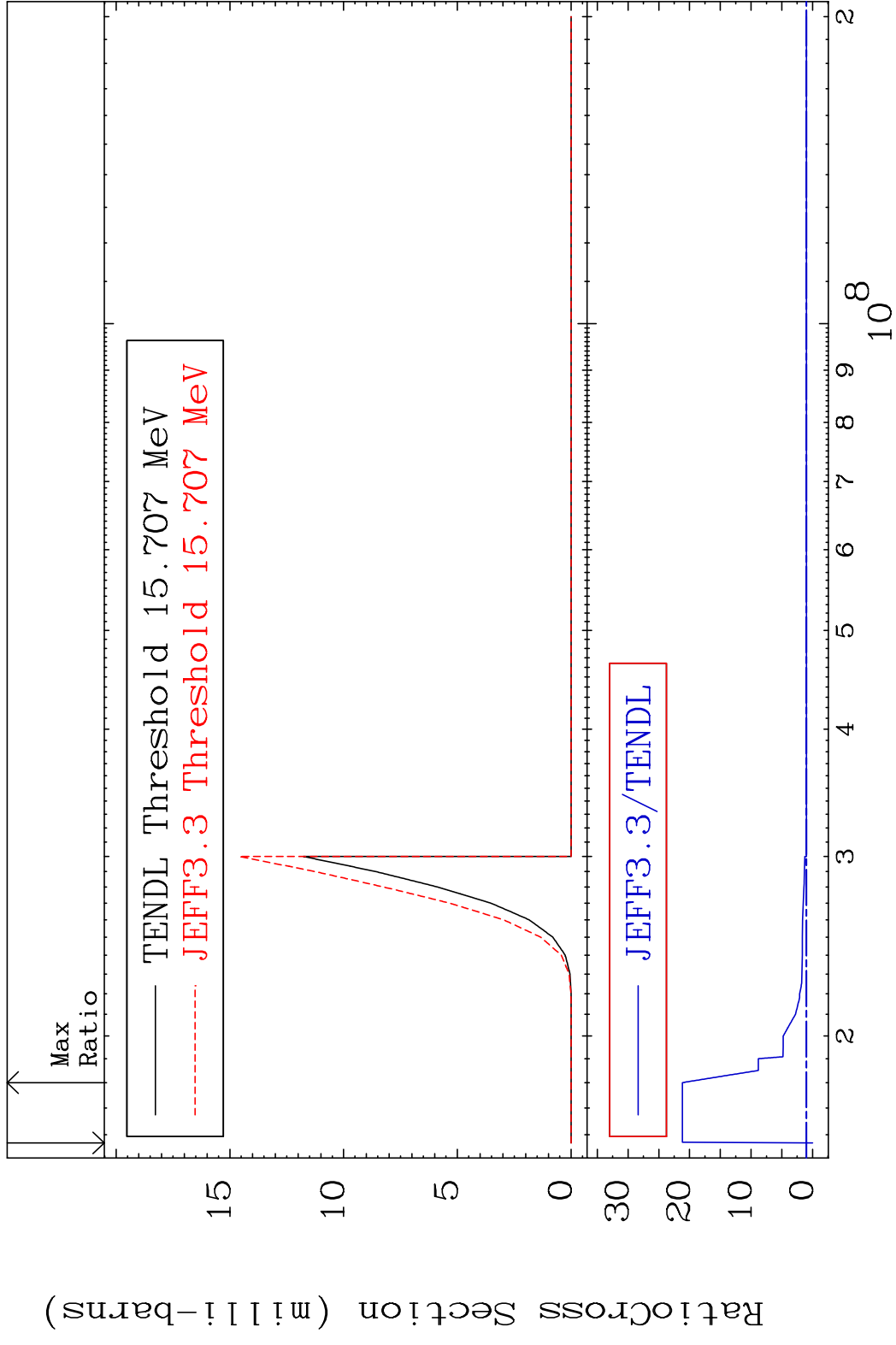


MAT 2028

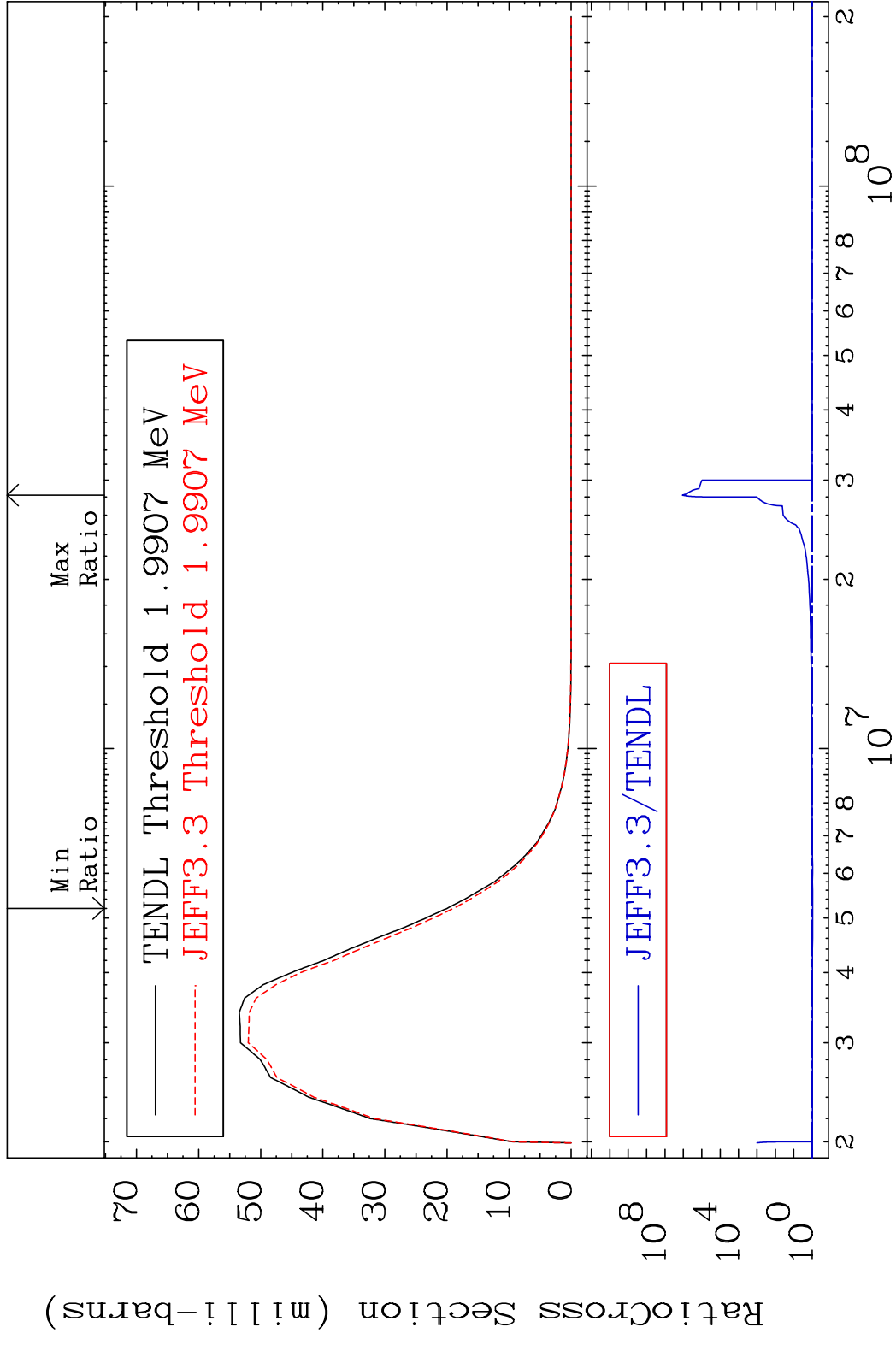
(n,2n) p 20-Ca-41
Cross Section 0.000 To 6249. %



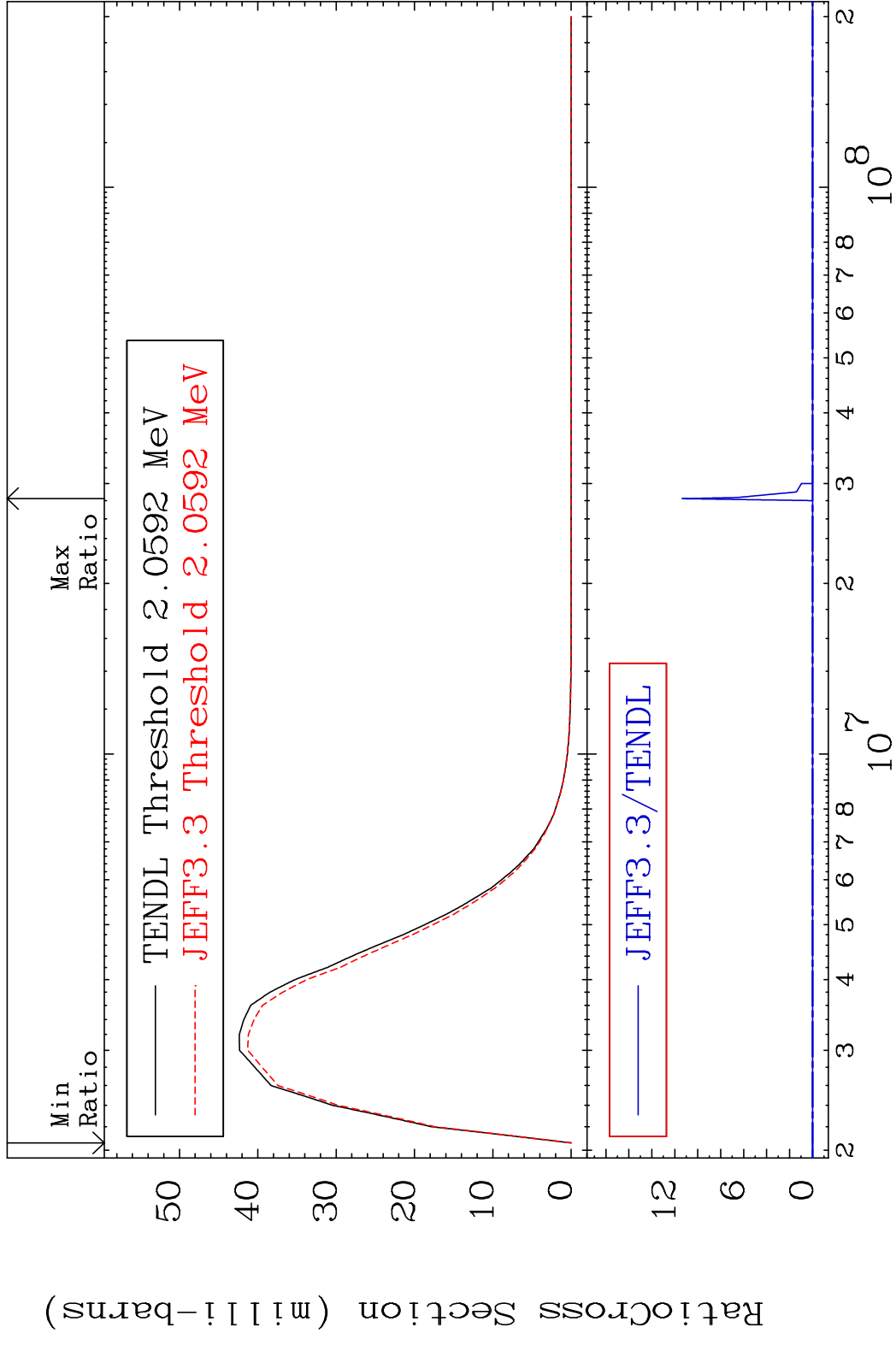
MAT 2028 (n,n') p α 20-Ca-41
 Cross Section -100.0 To 2017. %



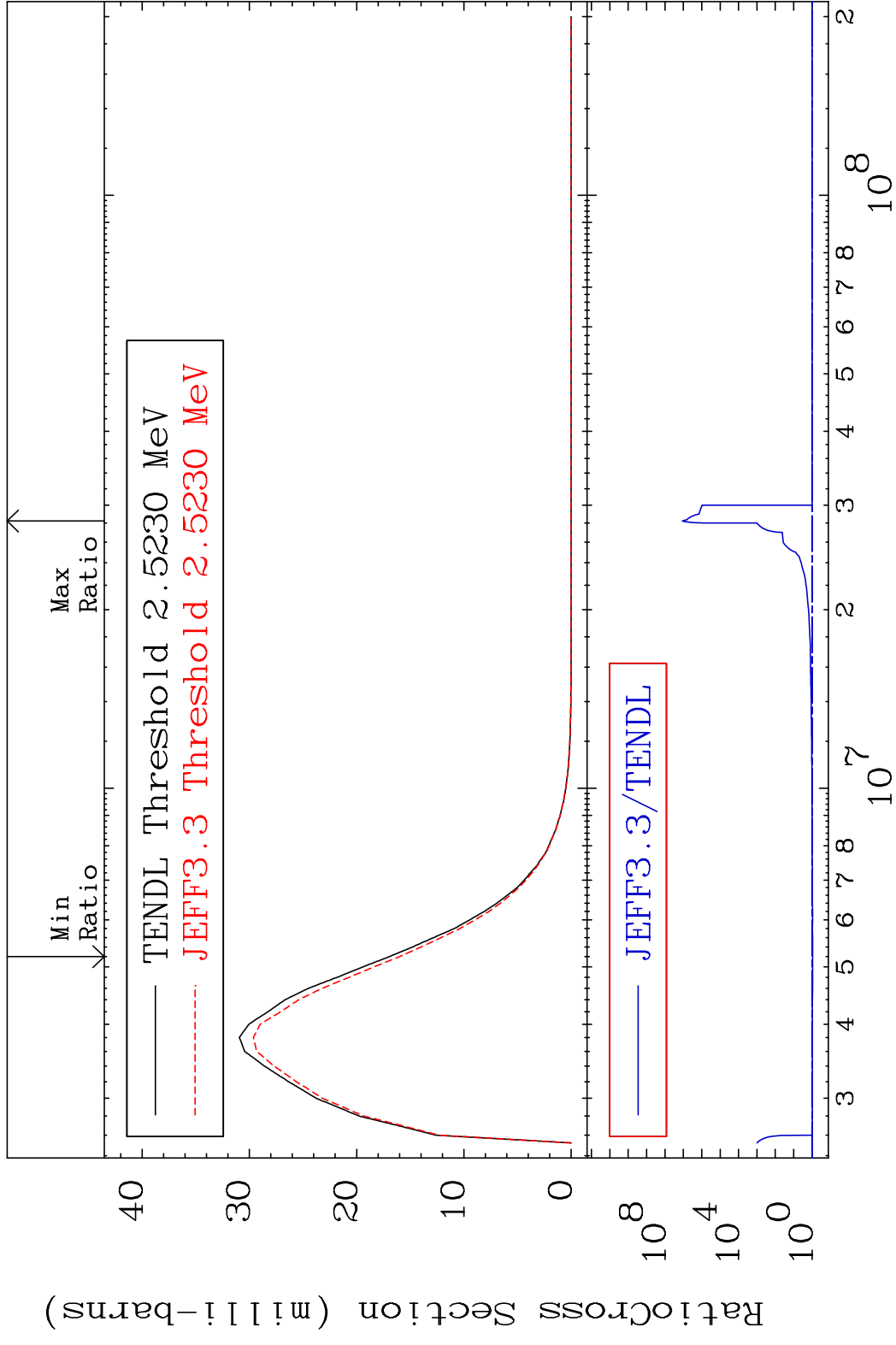
MAT 2028 MT= 51 (n, n') Level 20-Ca-41
 Cross Section -5.408 To 9999. %



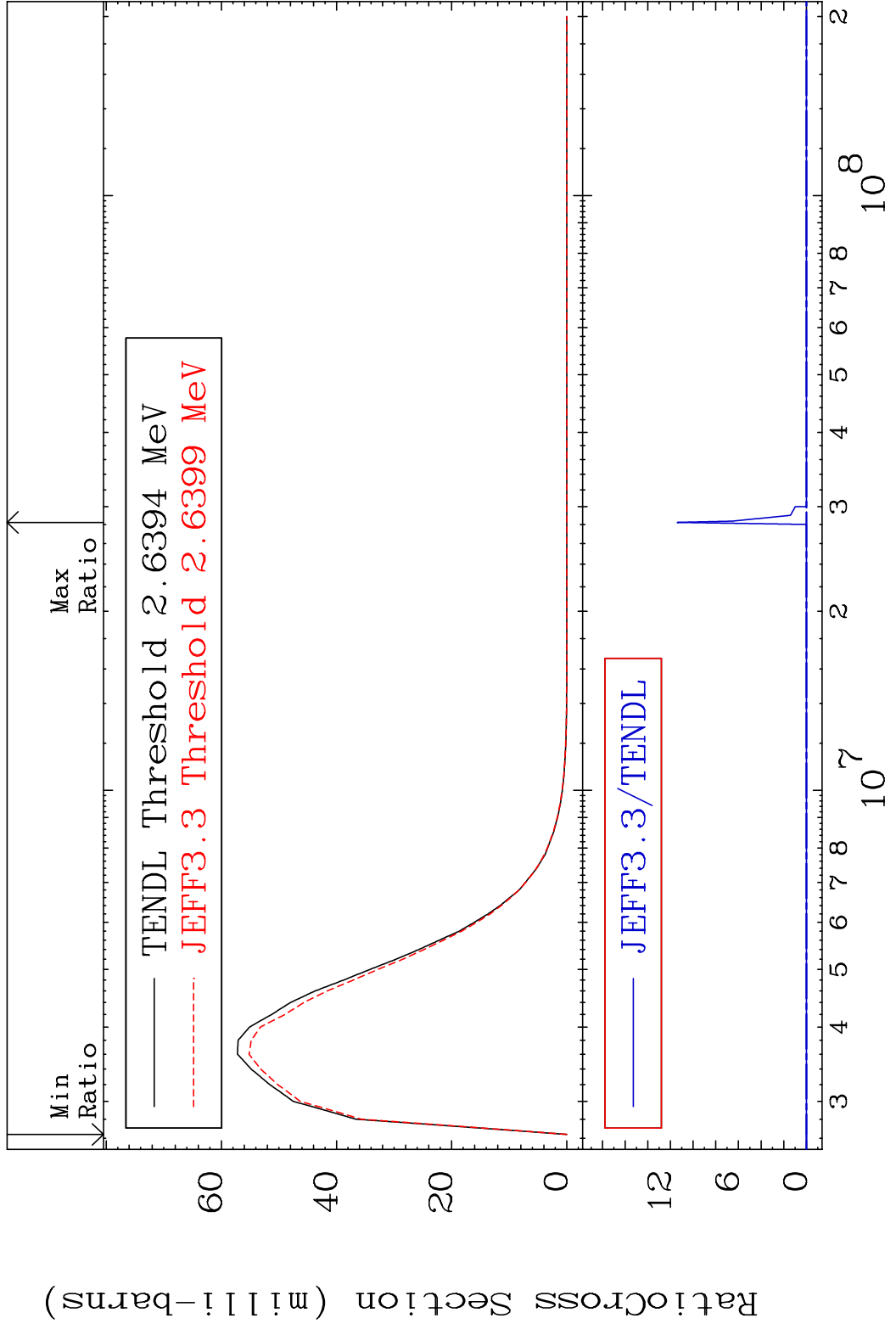
MAT 2028 MT= 52 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



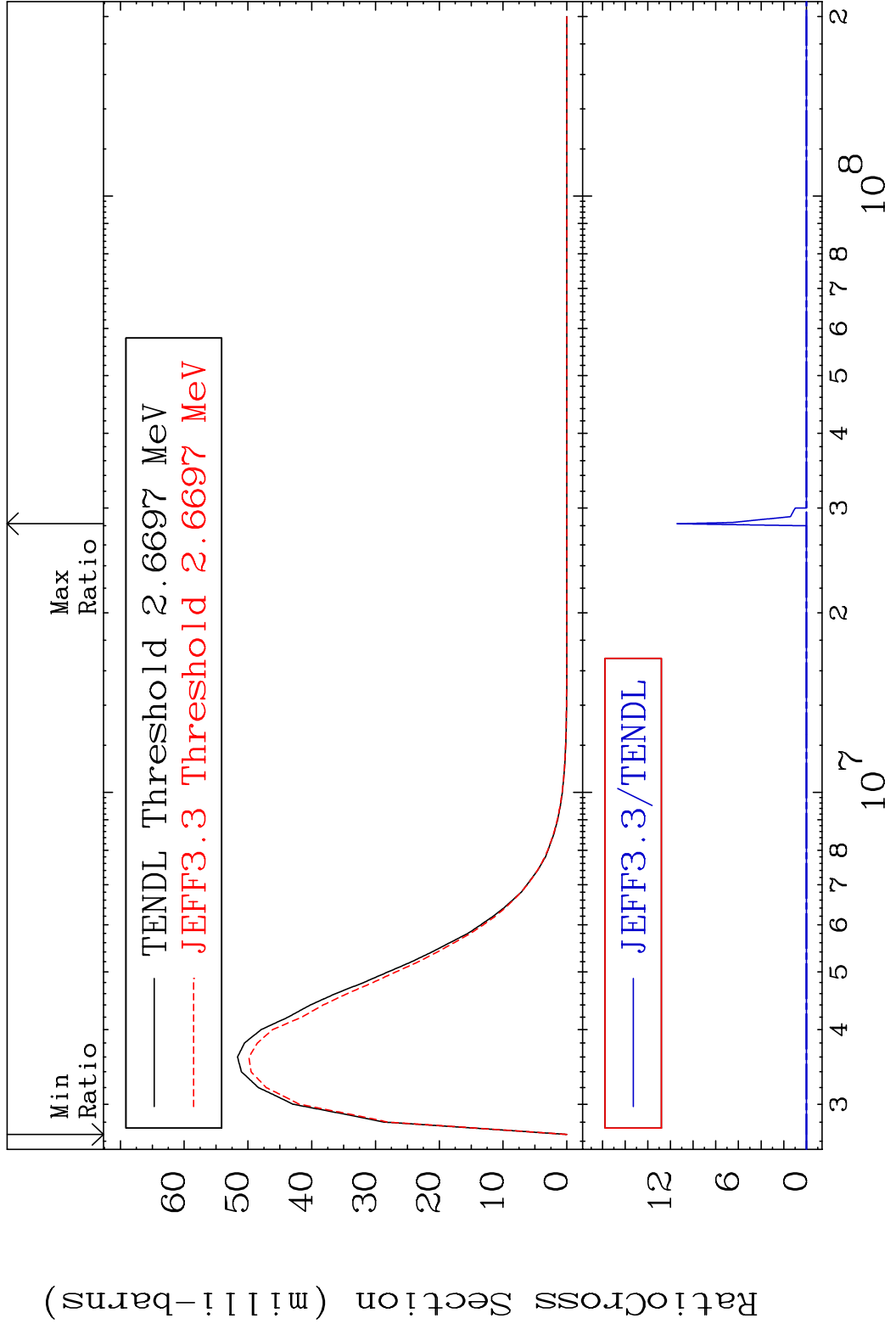
MAT 2028 MT= 53 (n, n') Level 20-Ca-41
 Cross Section -5.604 To 9999. %



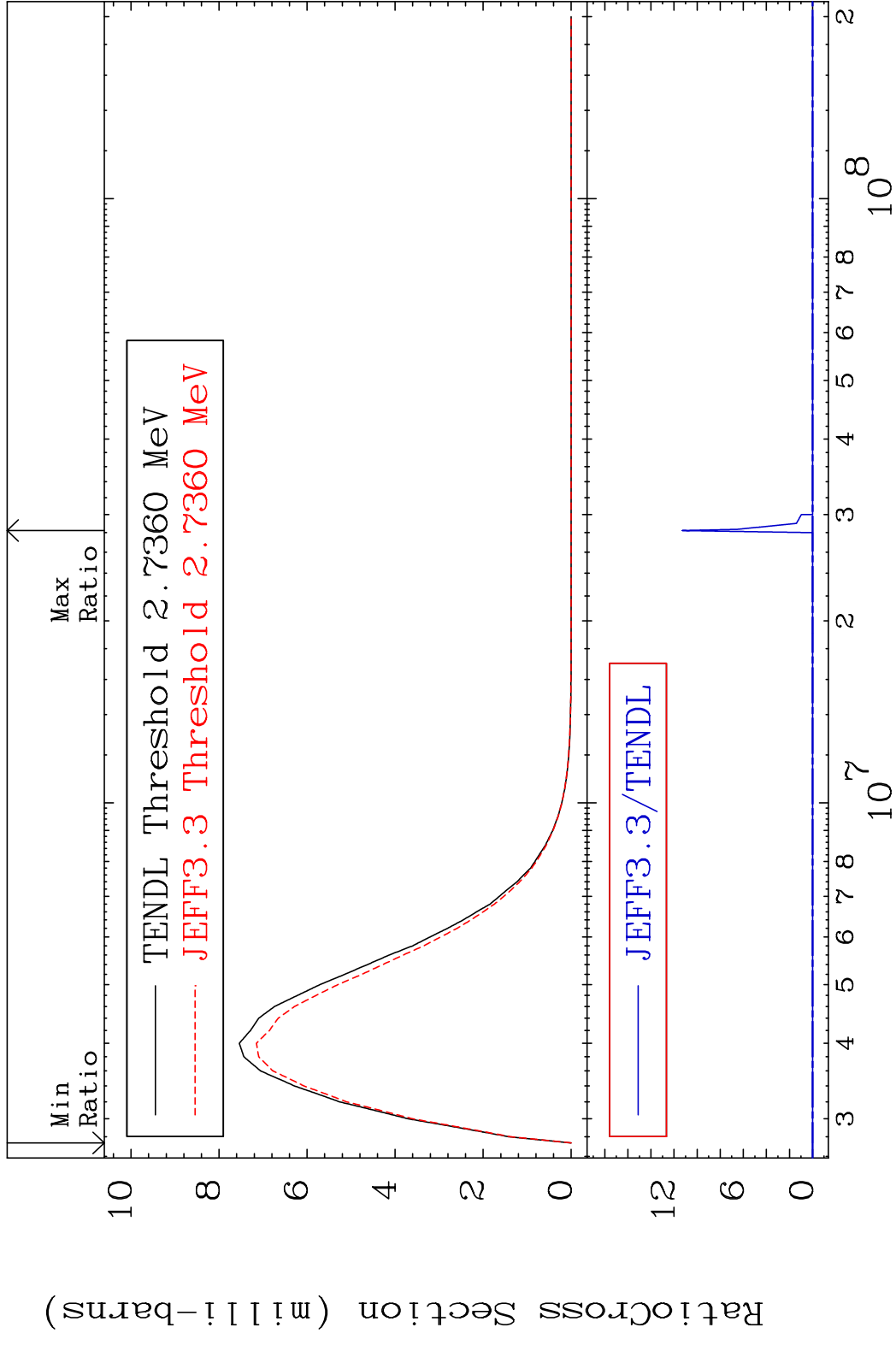
MAT 2028 MT= 54 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



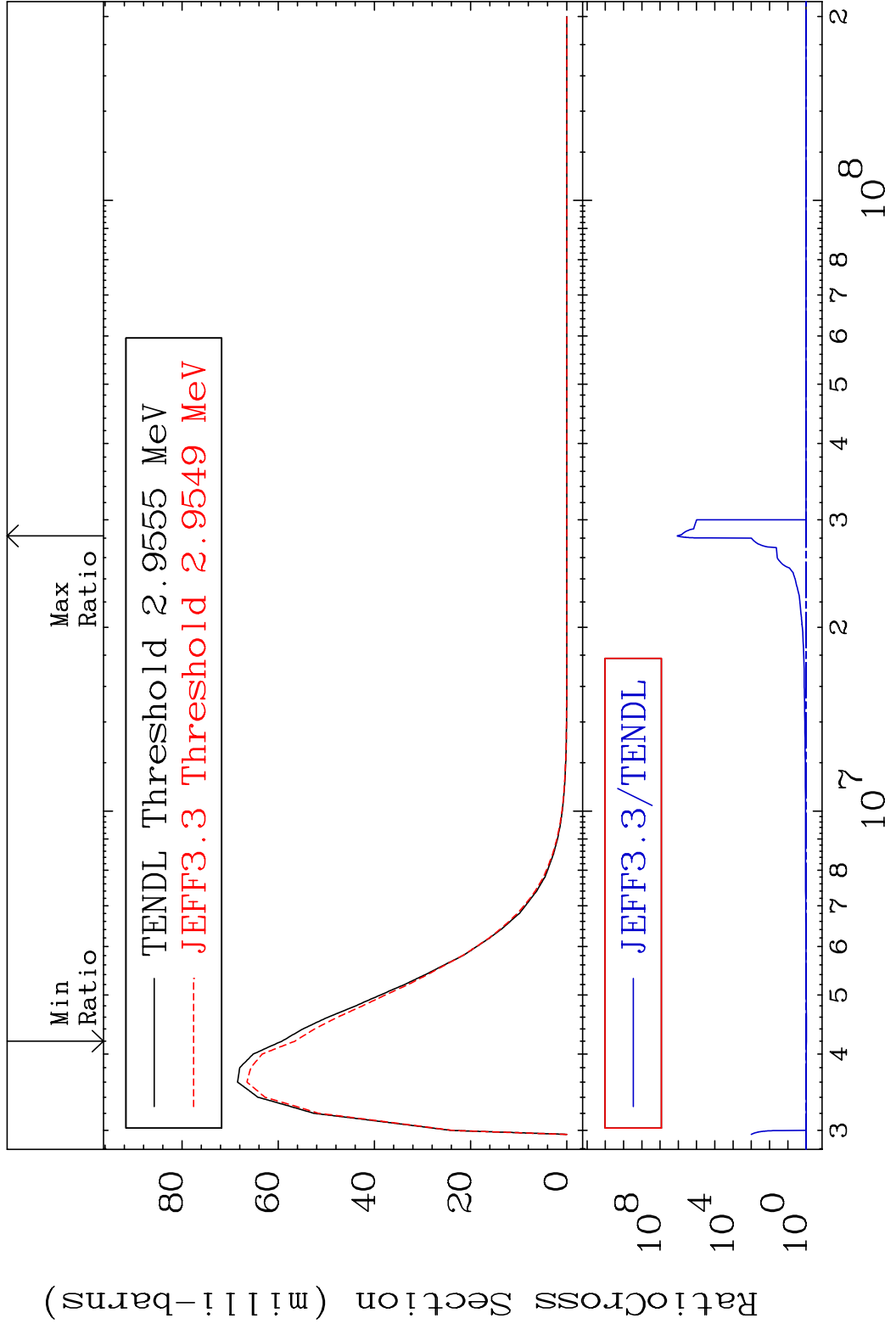
MAT 2028 MT= 55 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



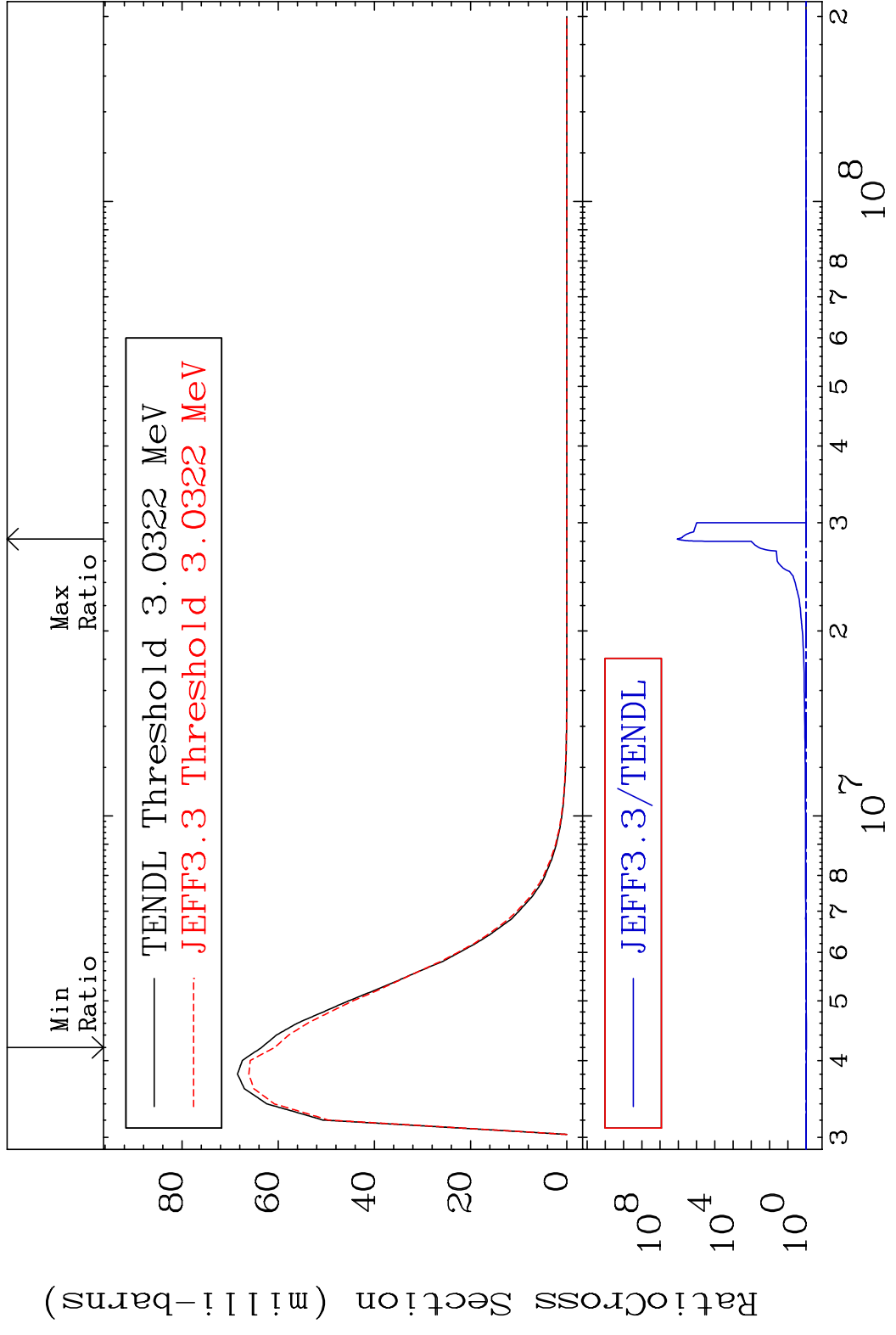
MAT 2028 MT= 56 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 57 (n, n') Level 20-Ca-41
 Cross Section -4.558 To 9999. %

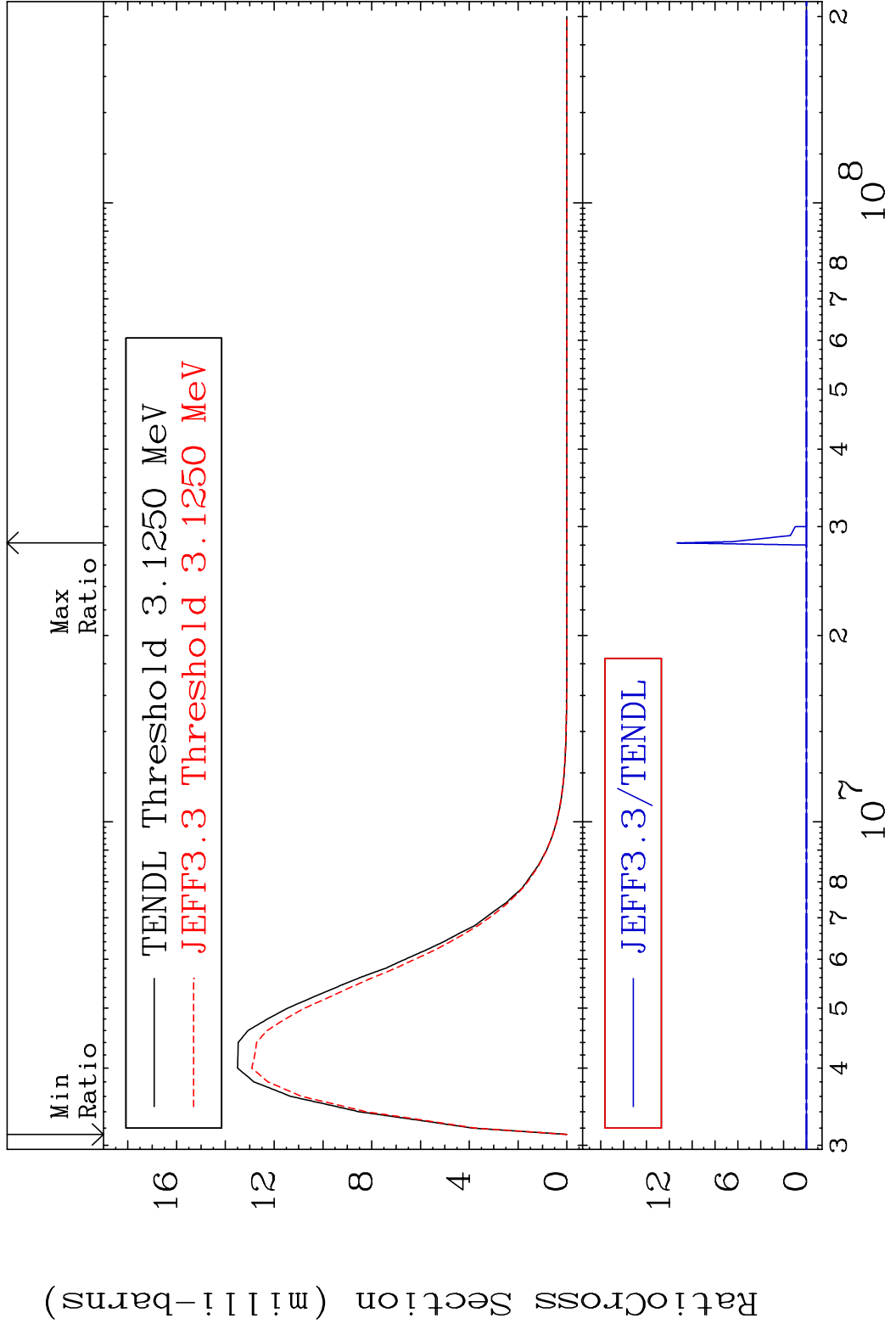


MAT 2028 MT= 58 (n,n') Level 20-Ca-41
 Cross Section -4.275 To 9999. %

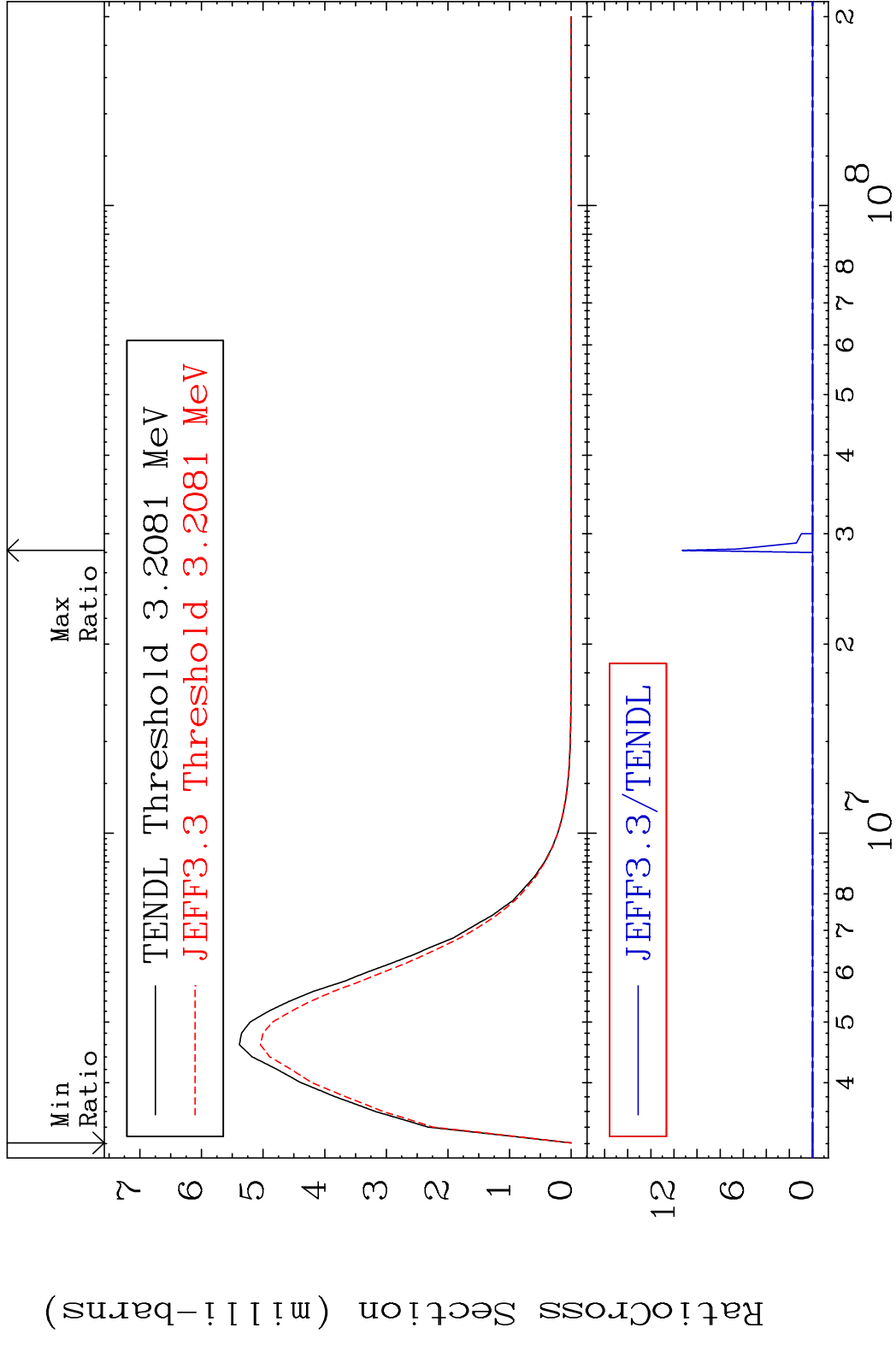


24 Incident Energy (eV) 20-Ca-41

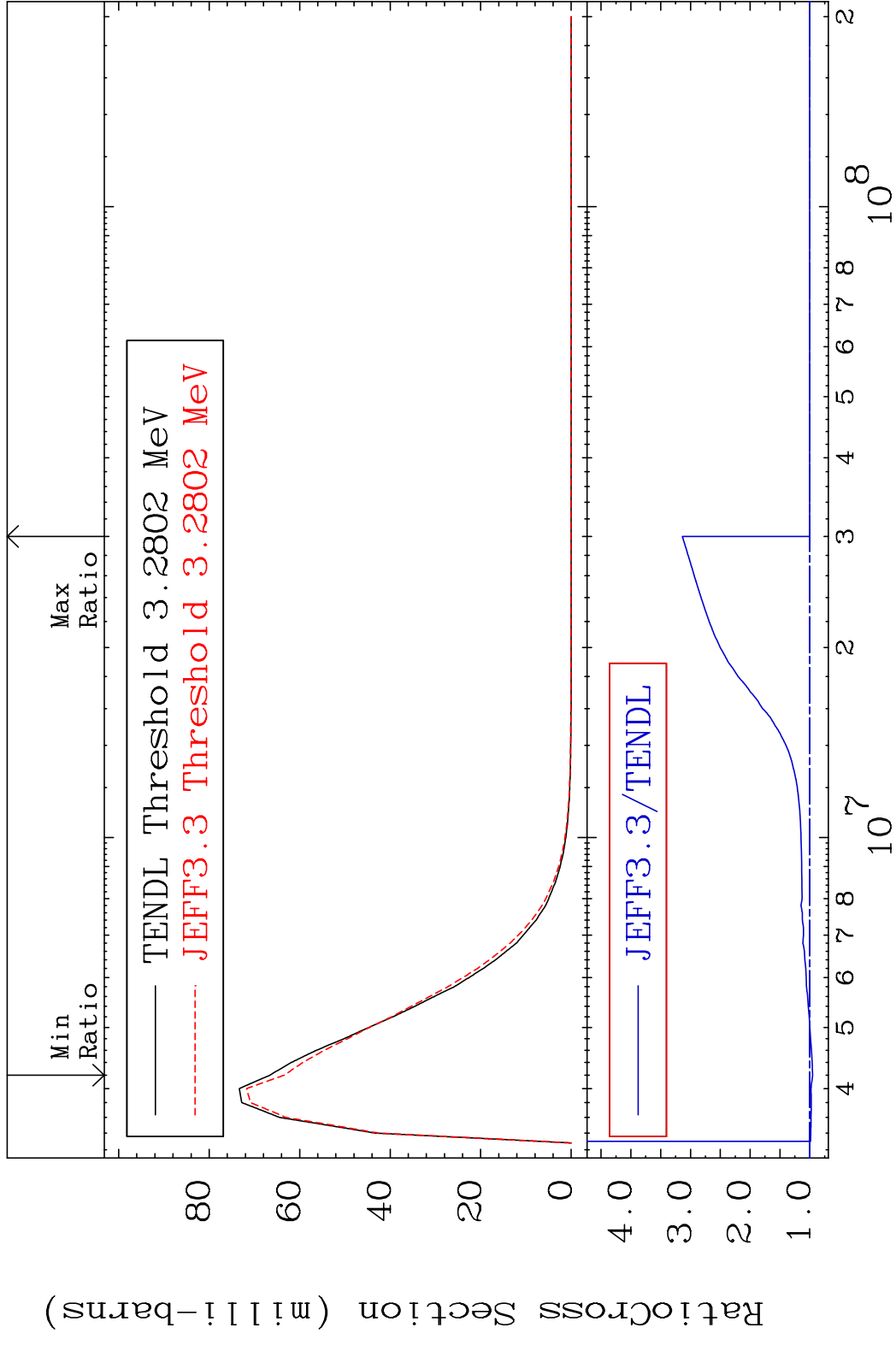
MAT 2028 MT= 59 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 60 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 61 (n, n') Level 20-Ca-41
 Cross Section -4.765 To 213.7 %

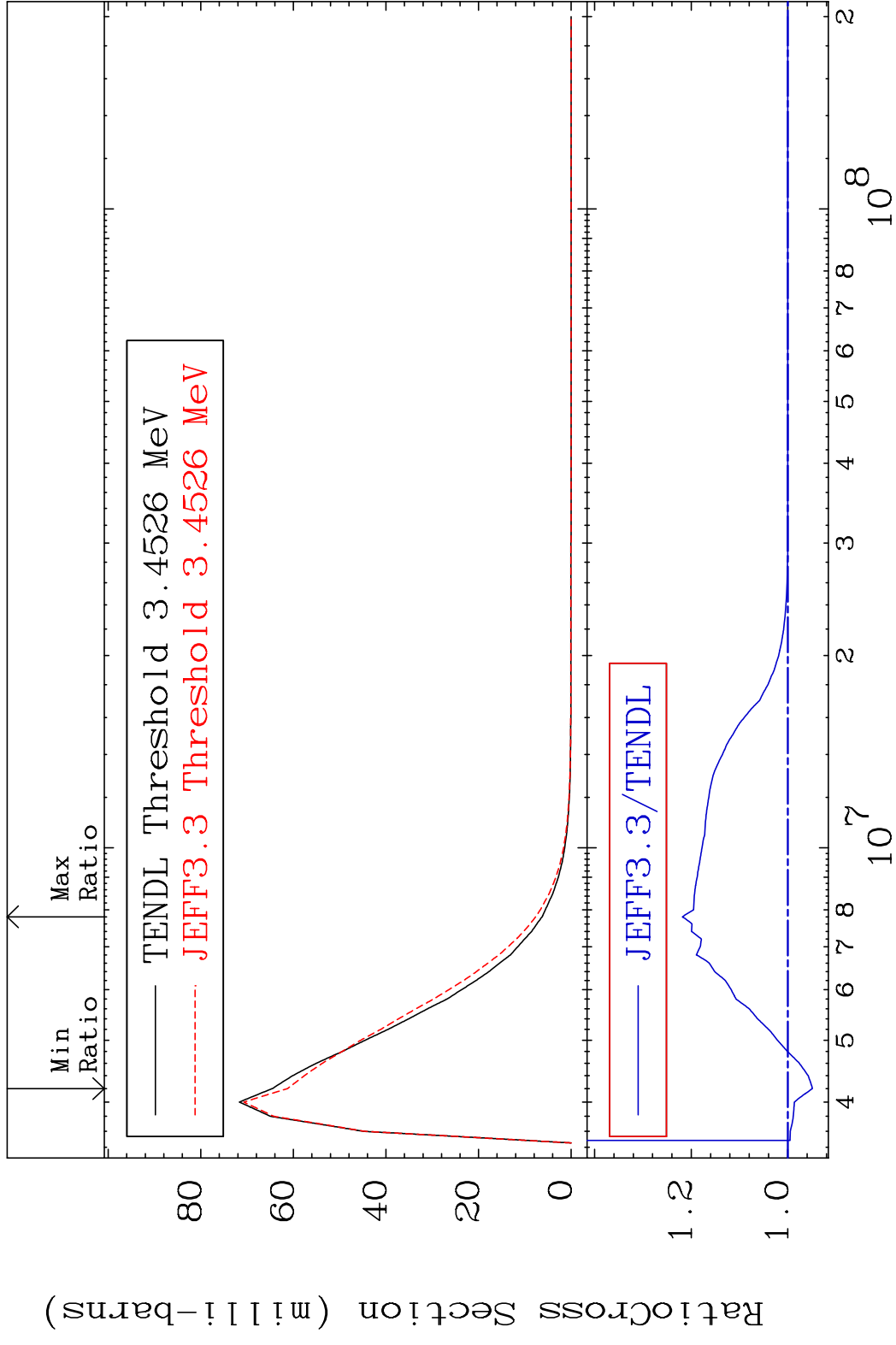


MAT 2028

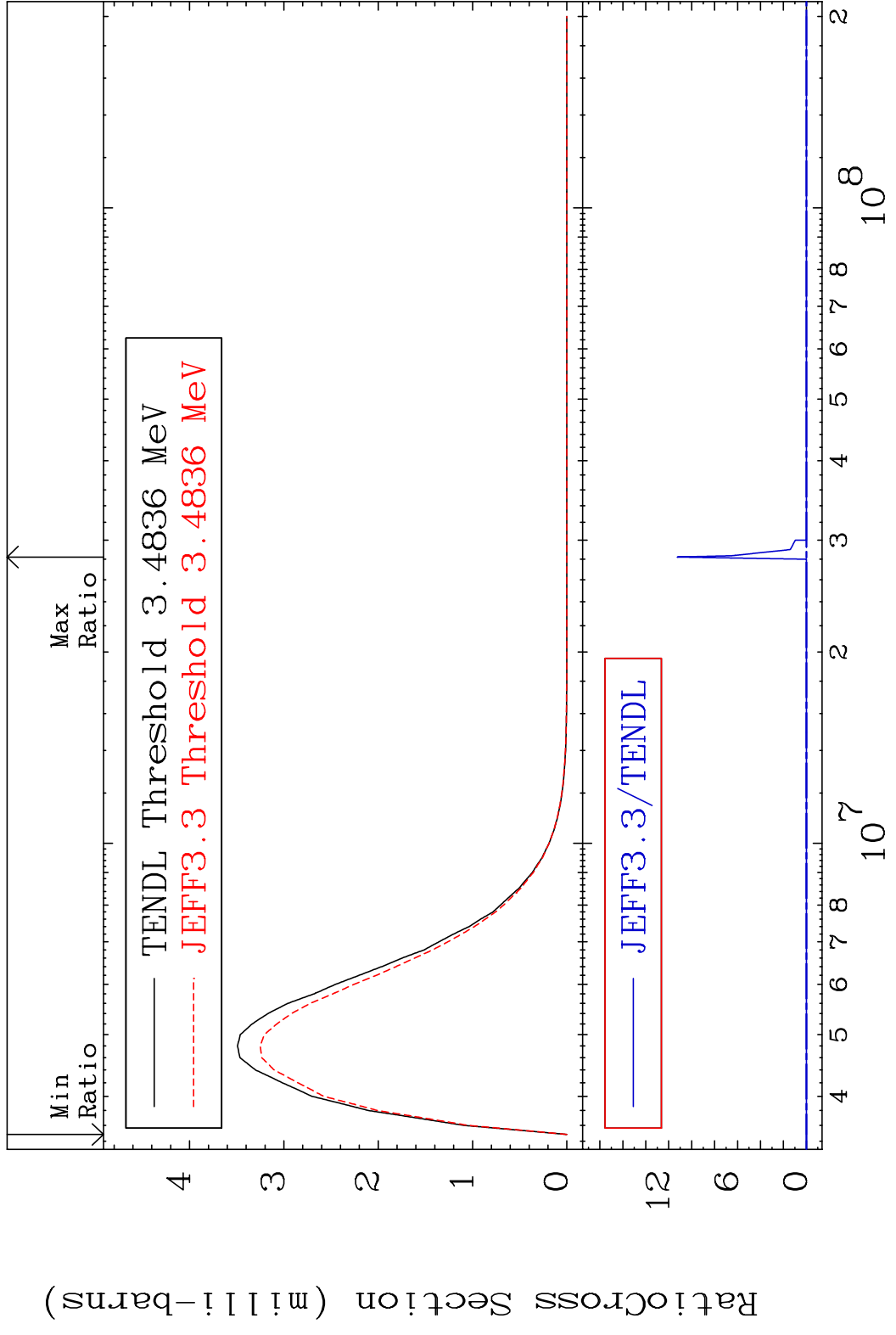
MT= 62 (n, n') Level

20-Ca-41

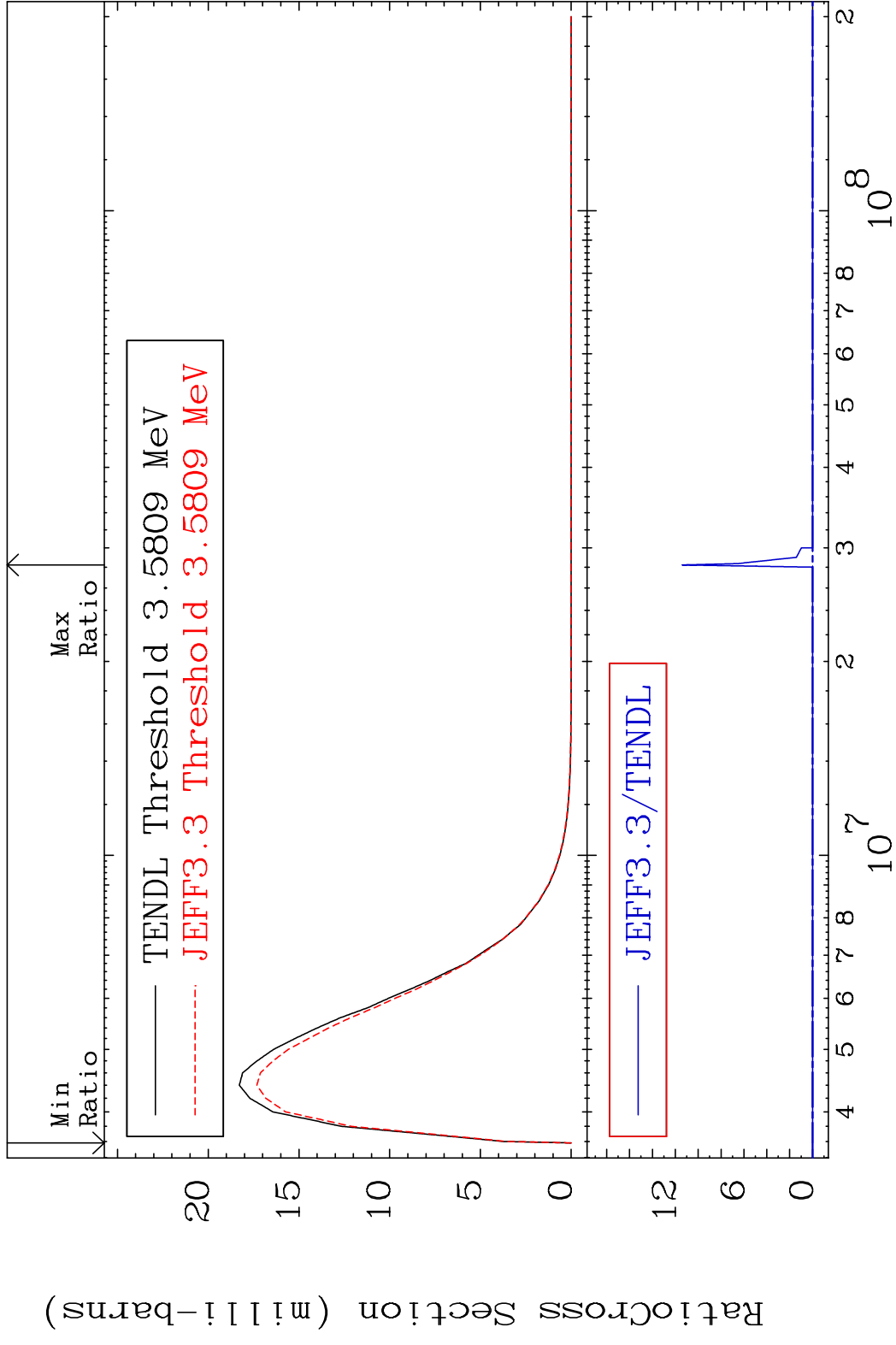
Cross Section -5.112 To 21.84 %



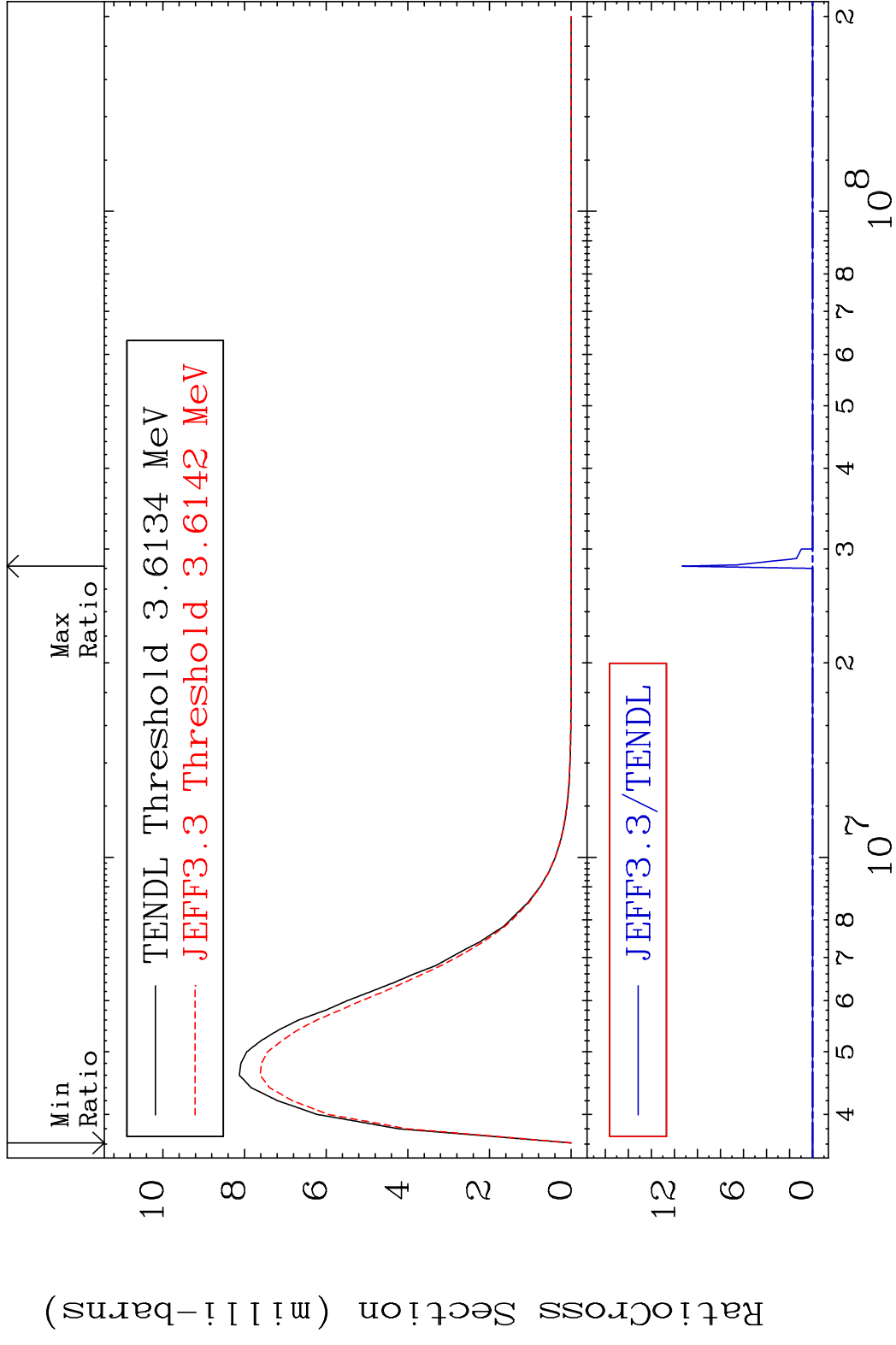
MAT 2028 MT= 63 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



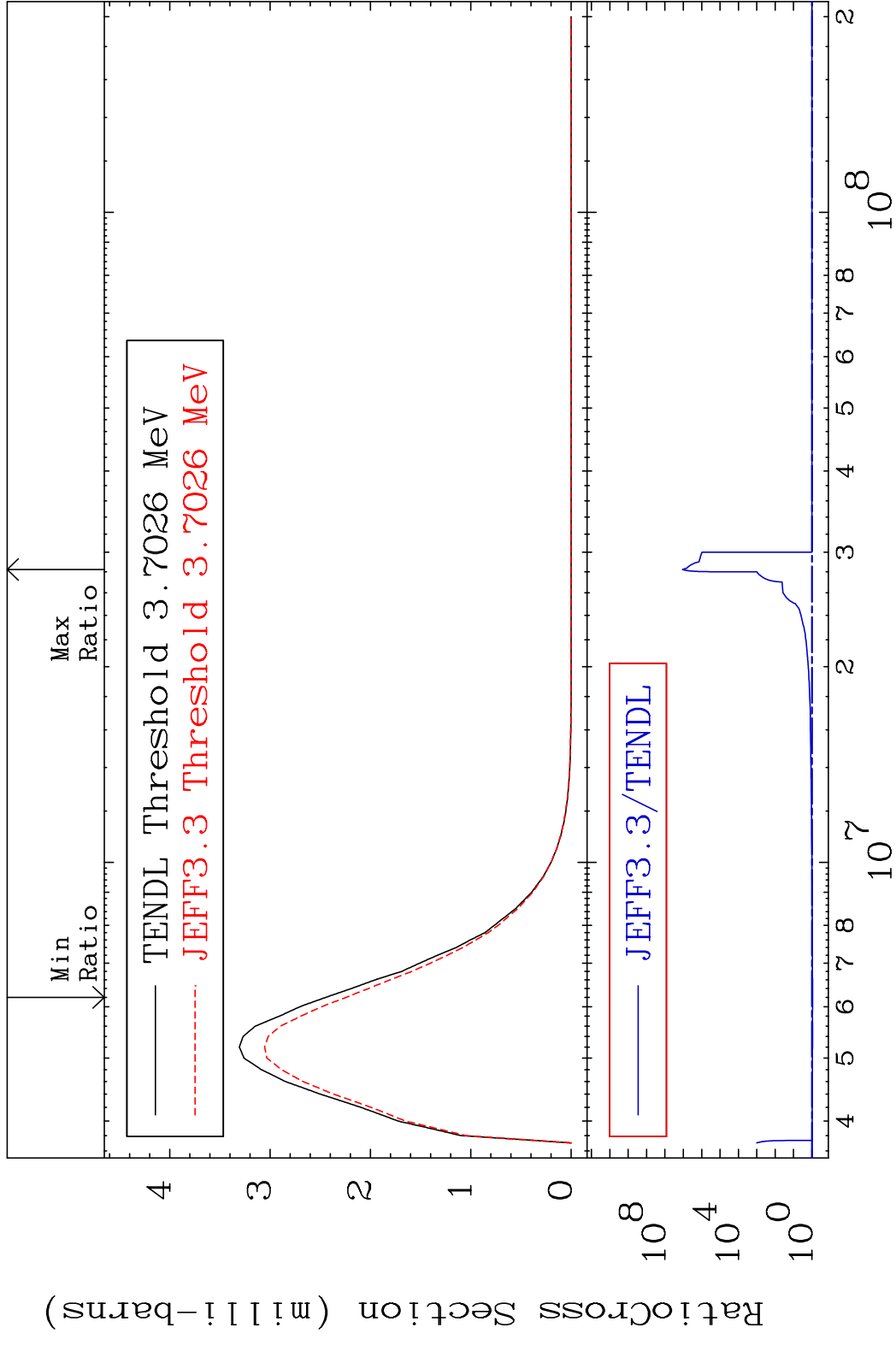
MAT 2028 MT= 64 (n, n') Level 20-Ca-41
Cross Section -100.0 To 9999. %



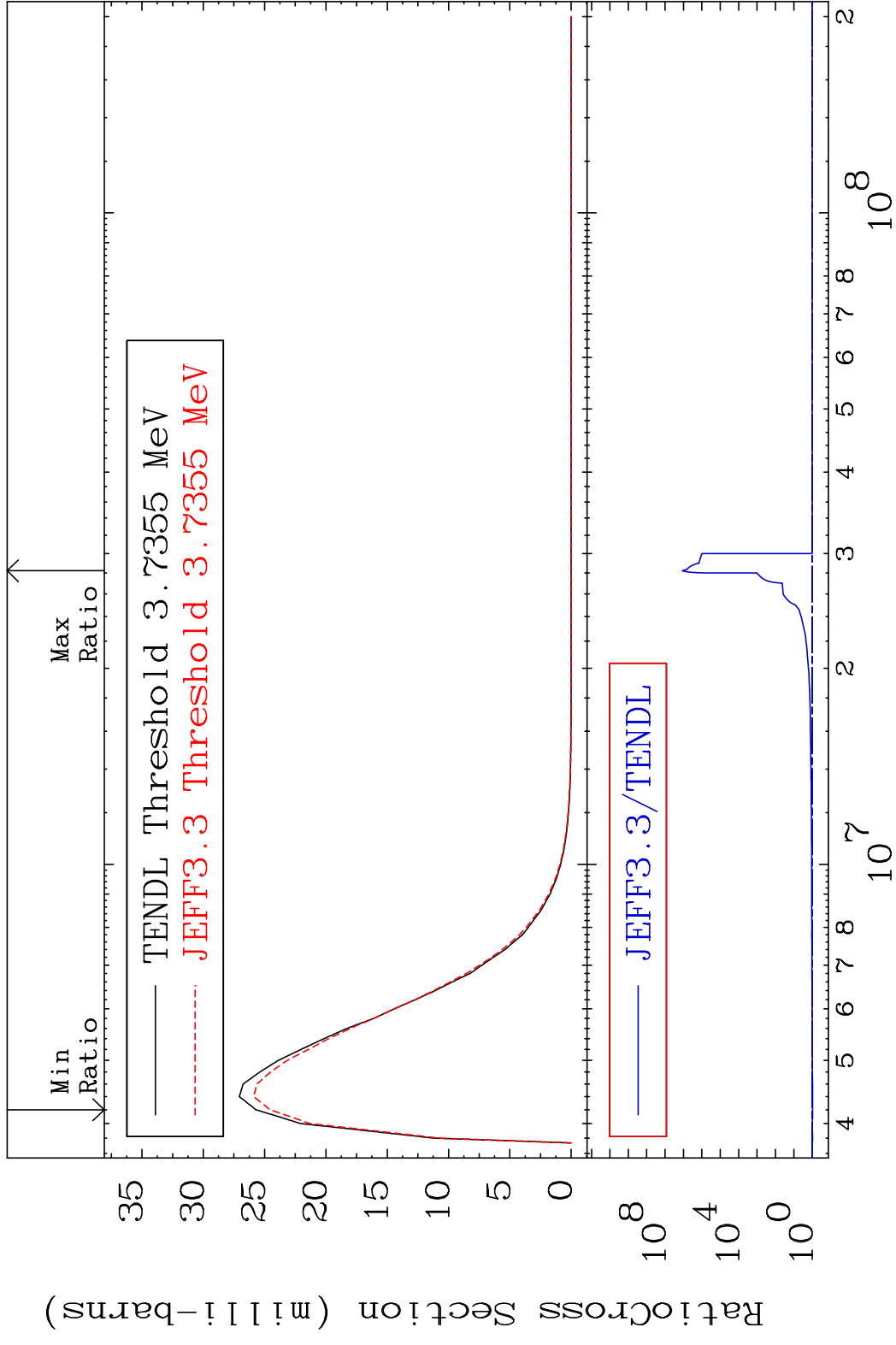
MAT 2028 MT= 65 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



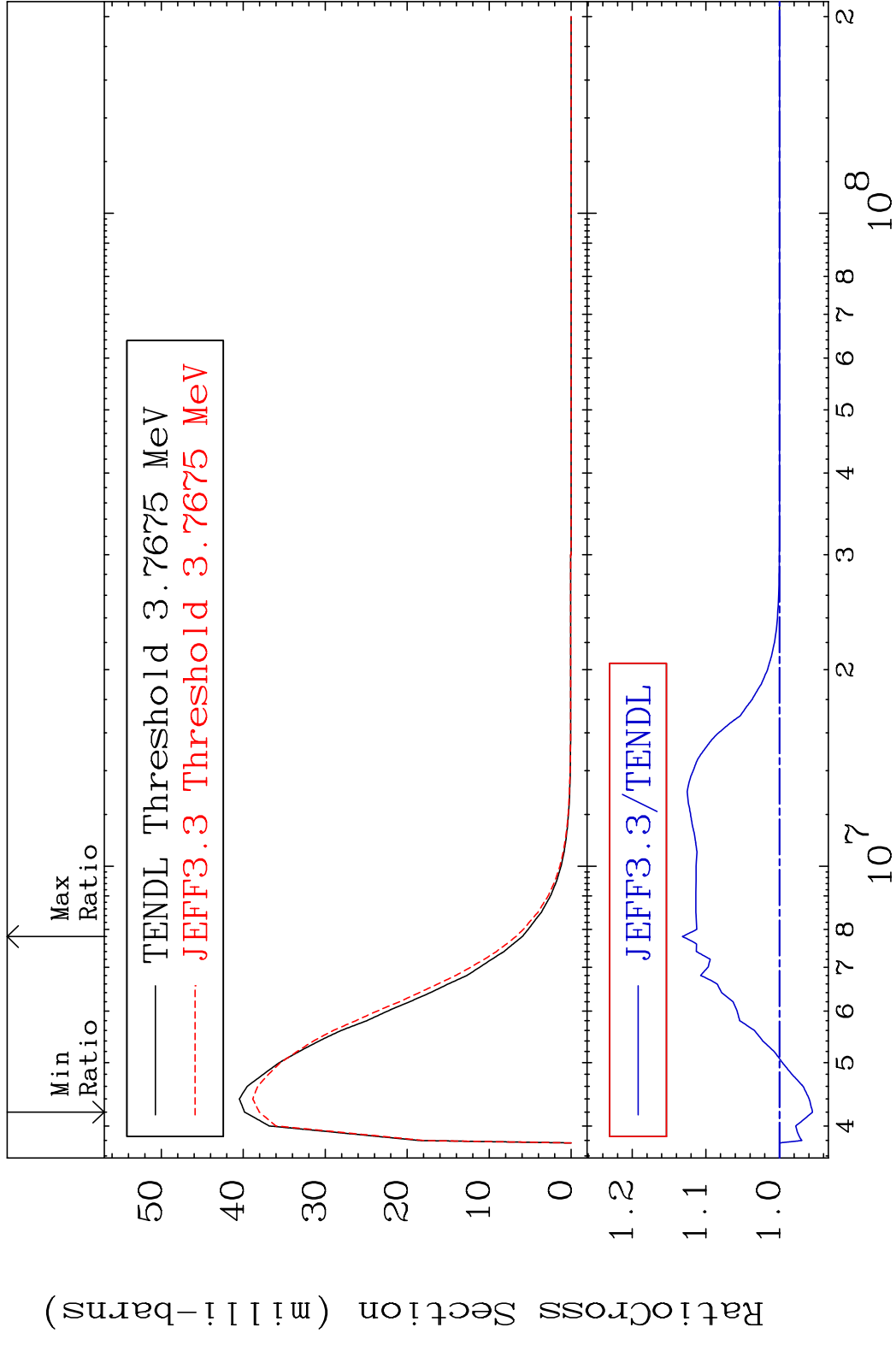
MAT 2028 MT= 66 (n, n') Level 20-Ca-41
 Cross Section -8.330 To 9999. %



MAT 2028 MT= 67 (n, n') Level 20-Ca-41
 Cross Section -4.498 To 9999. %

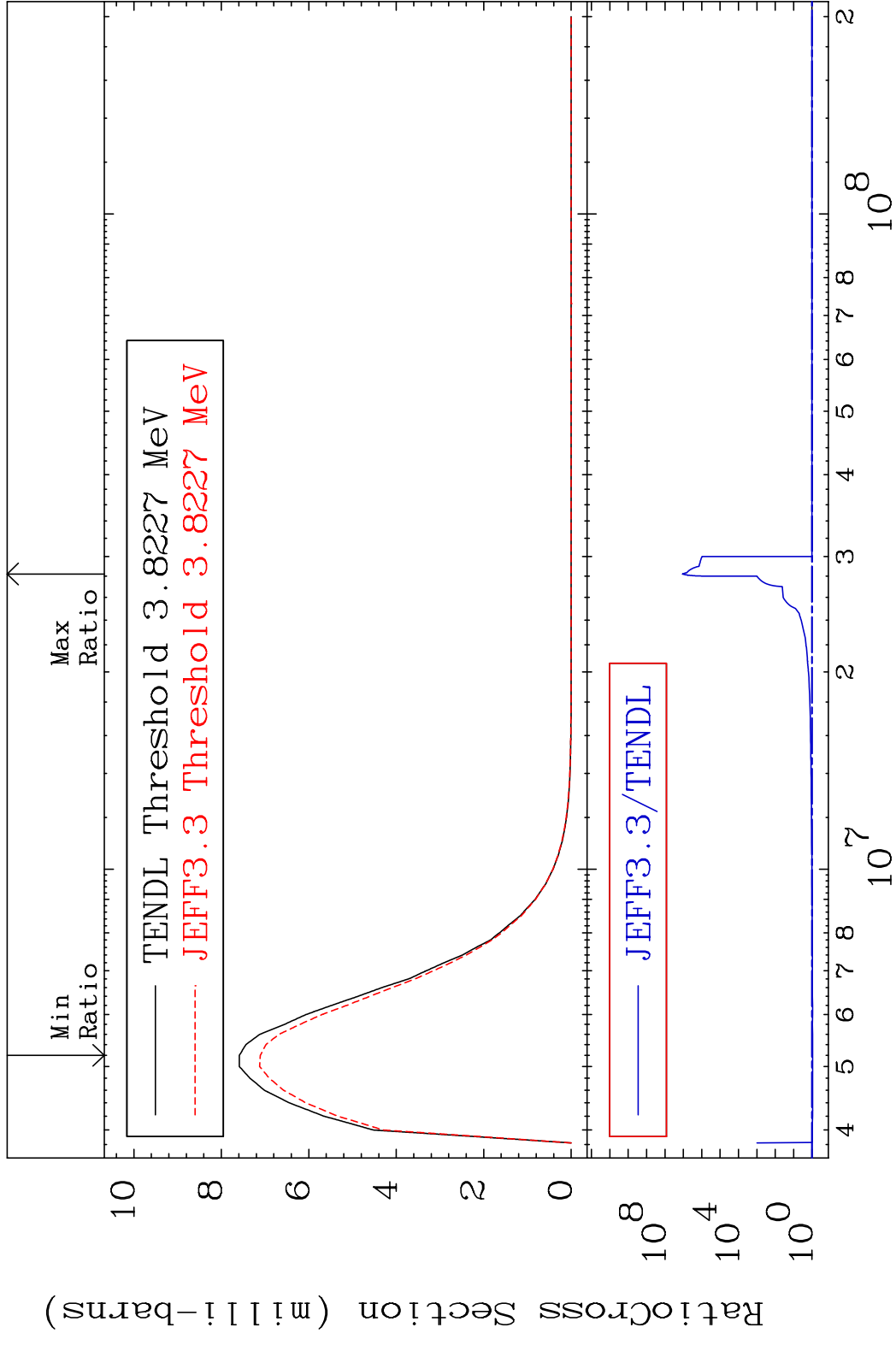


MAT 2028 MT= 68 (n, n') Level 20-Ca-41
 Cross Section -4.502 To 13.20 %

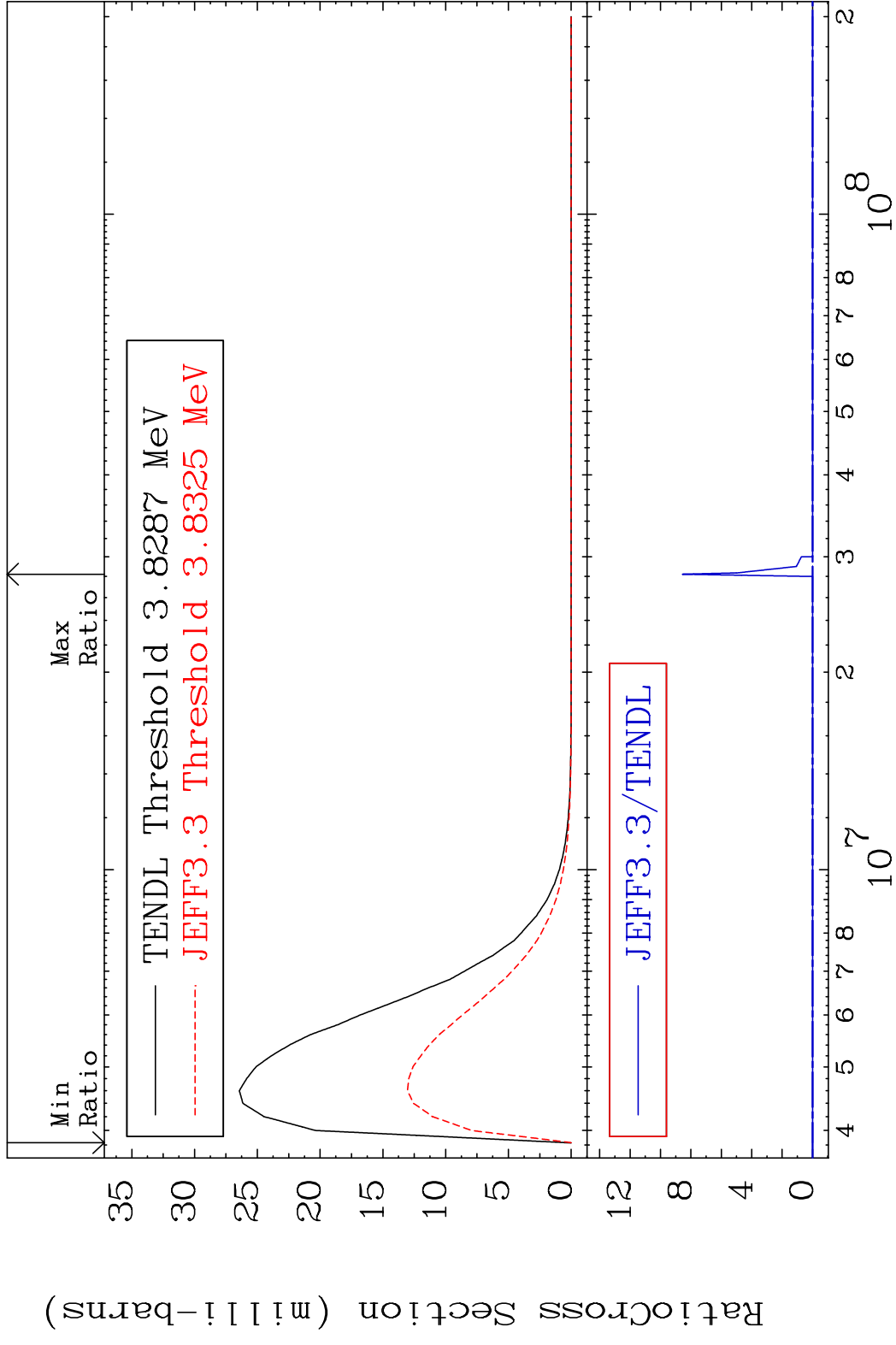


34 Incident Energy (eV) 20-Ca-41

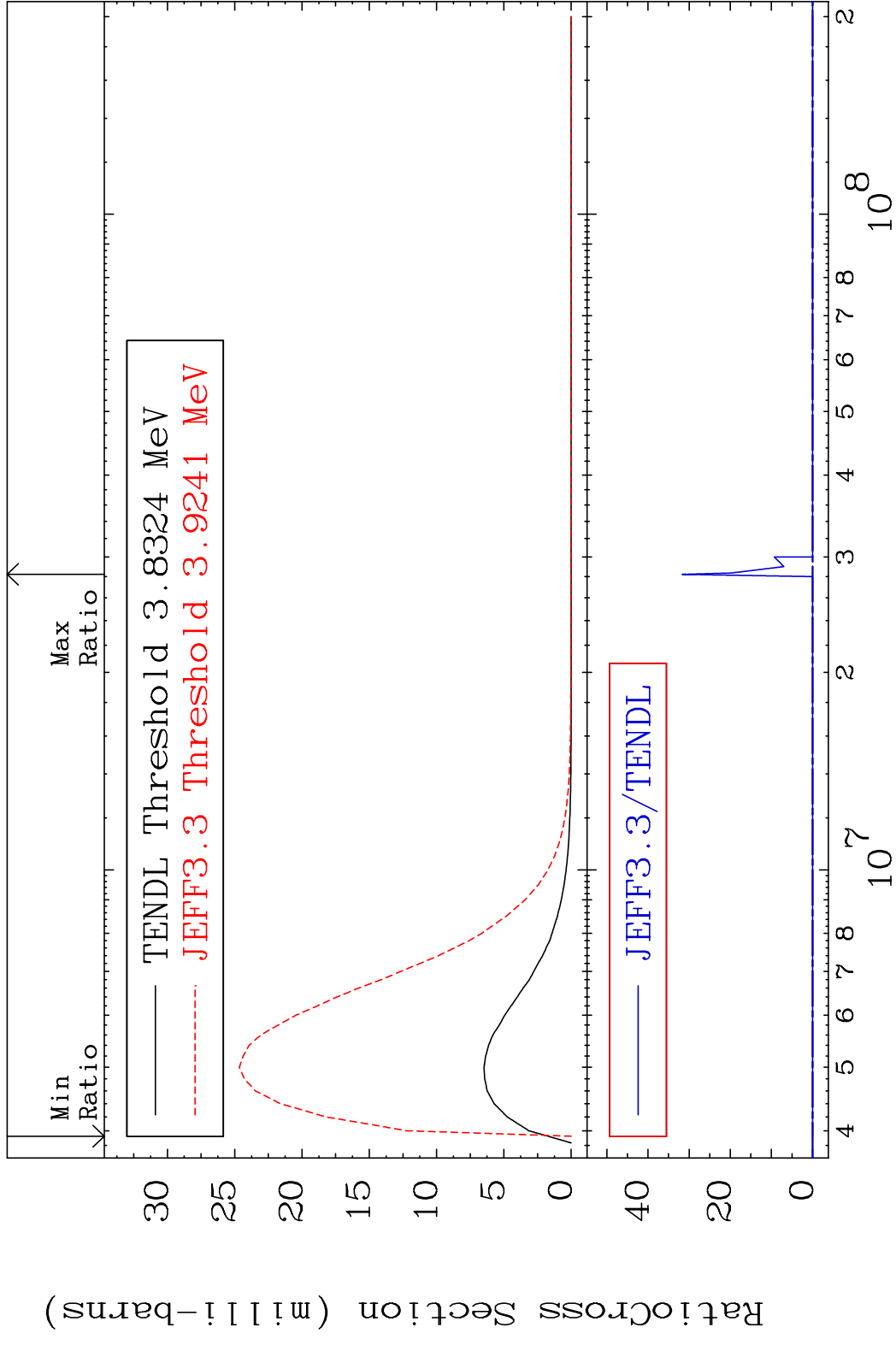
MAT 2028 MT= 69 (n, n') Level 20-Ca-41
 Cross Section -6.342 To 9999. %



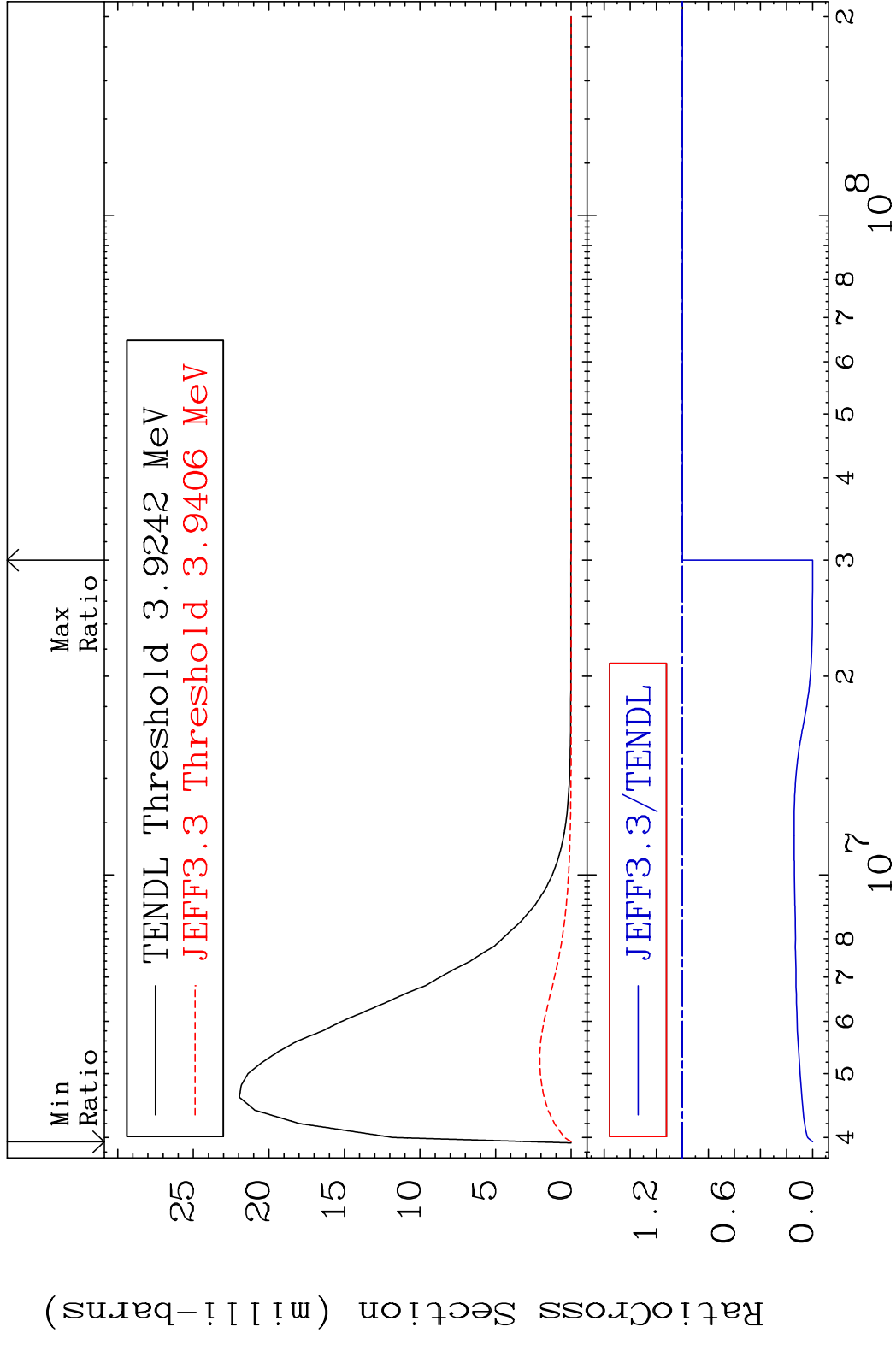
MAT 2028 MT= 70 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 71 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %

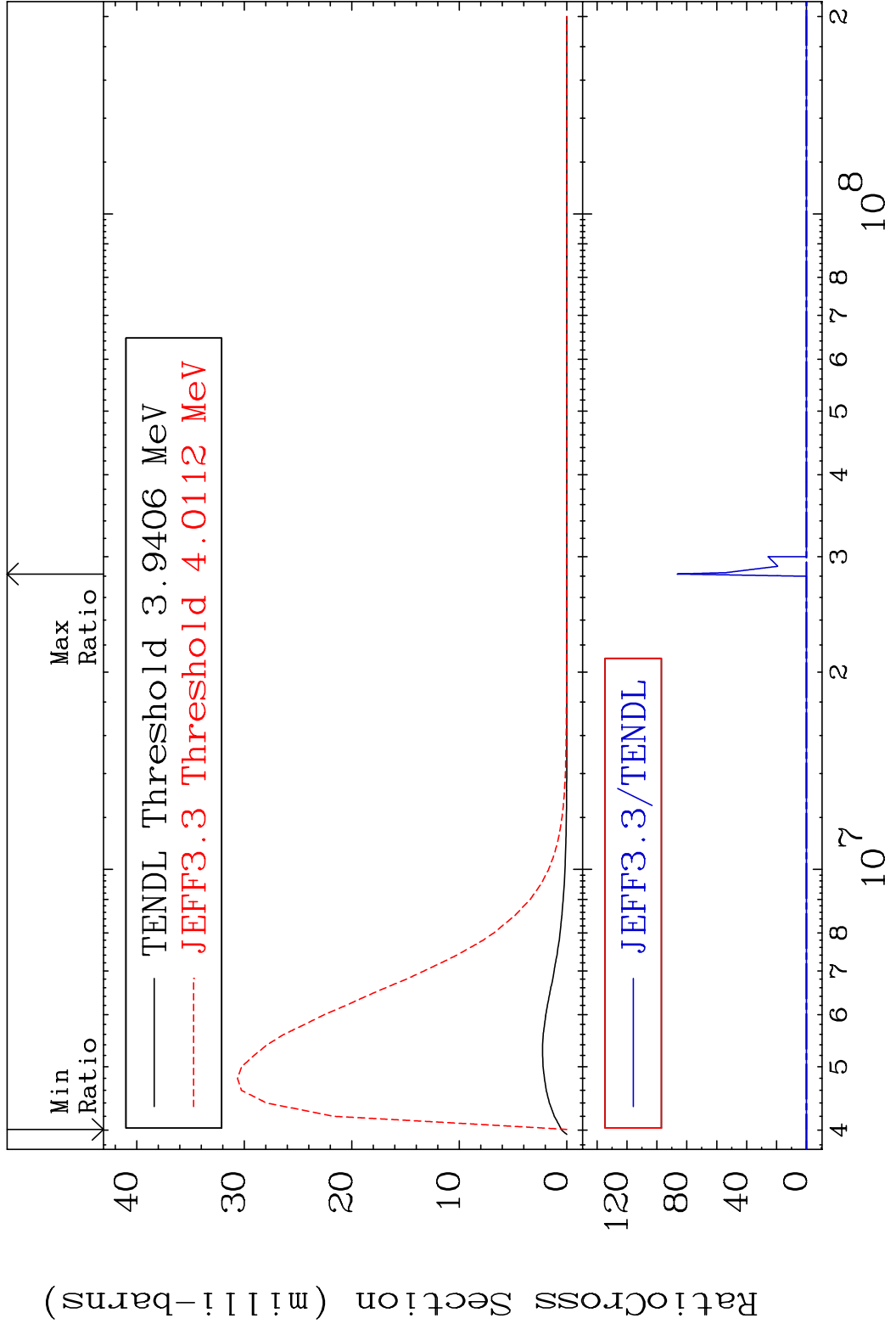


MAT 2028 MT= 72 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 0.000 %



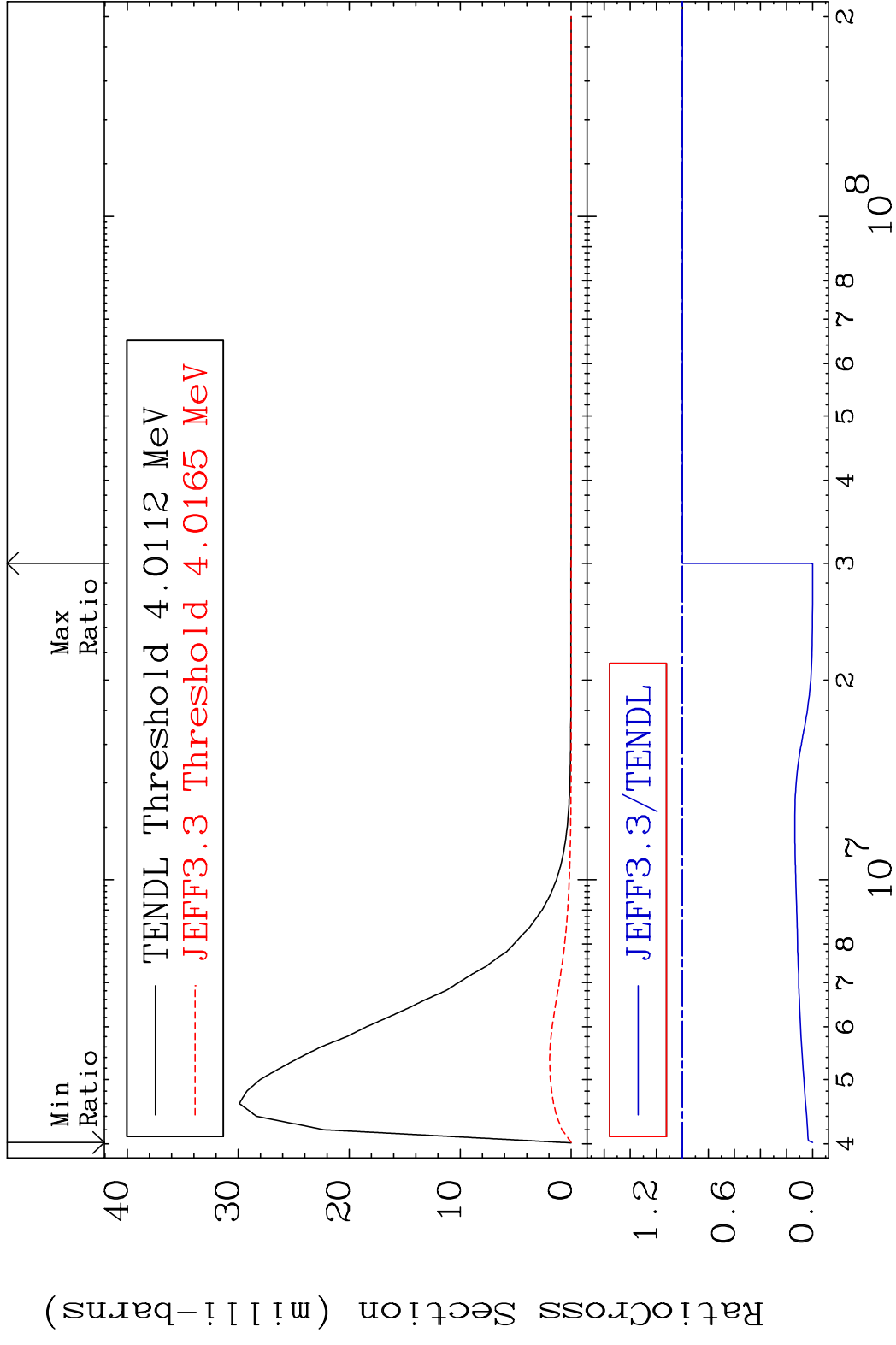
38 Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 73 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %

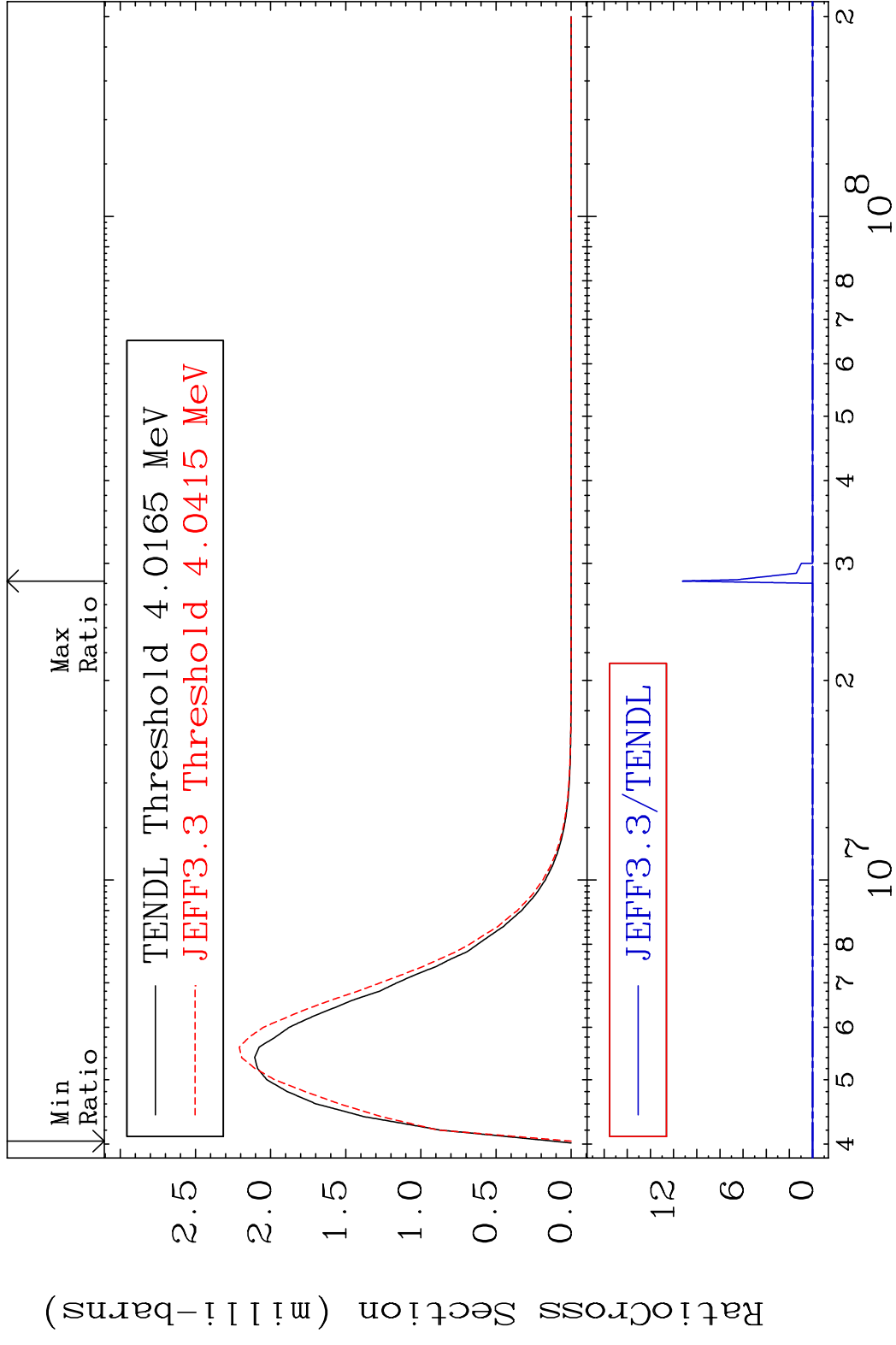


39 Incident Energy (eV) 20-Ca-41

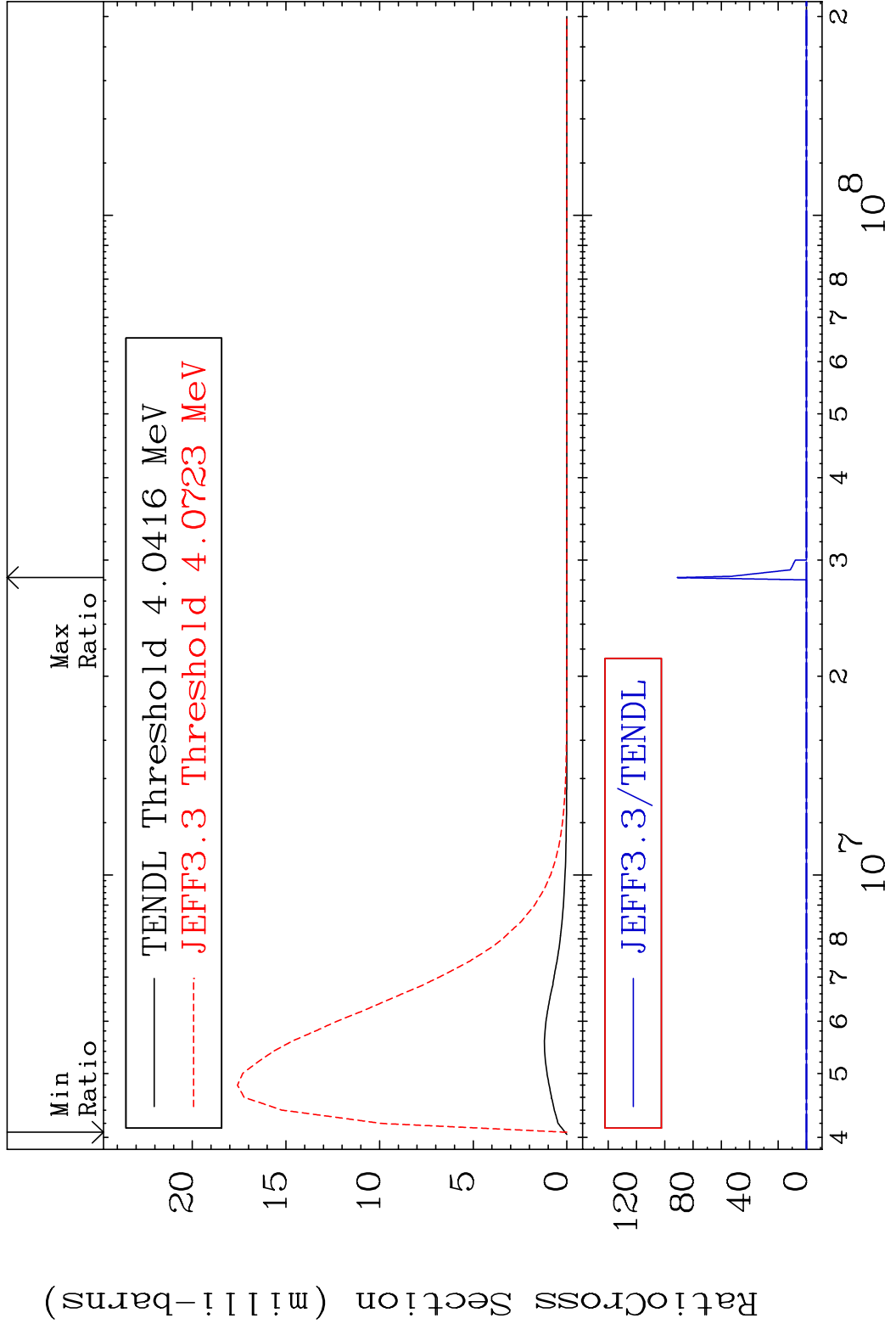
MAT 2028 MT= 74 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 0.000 %



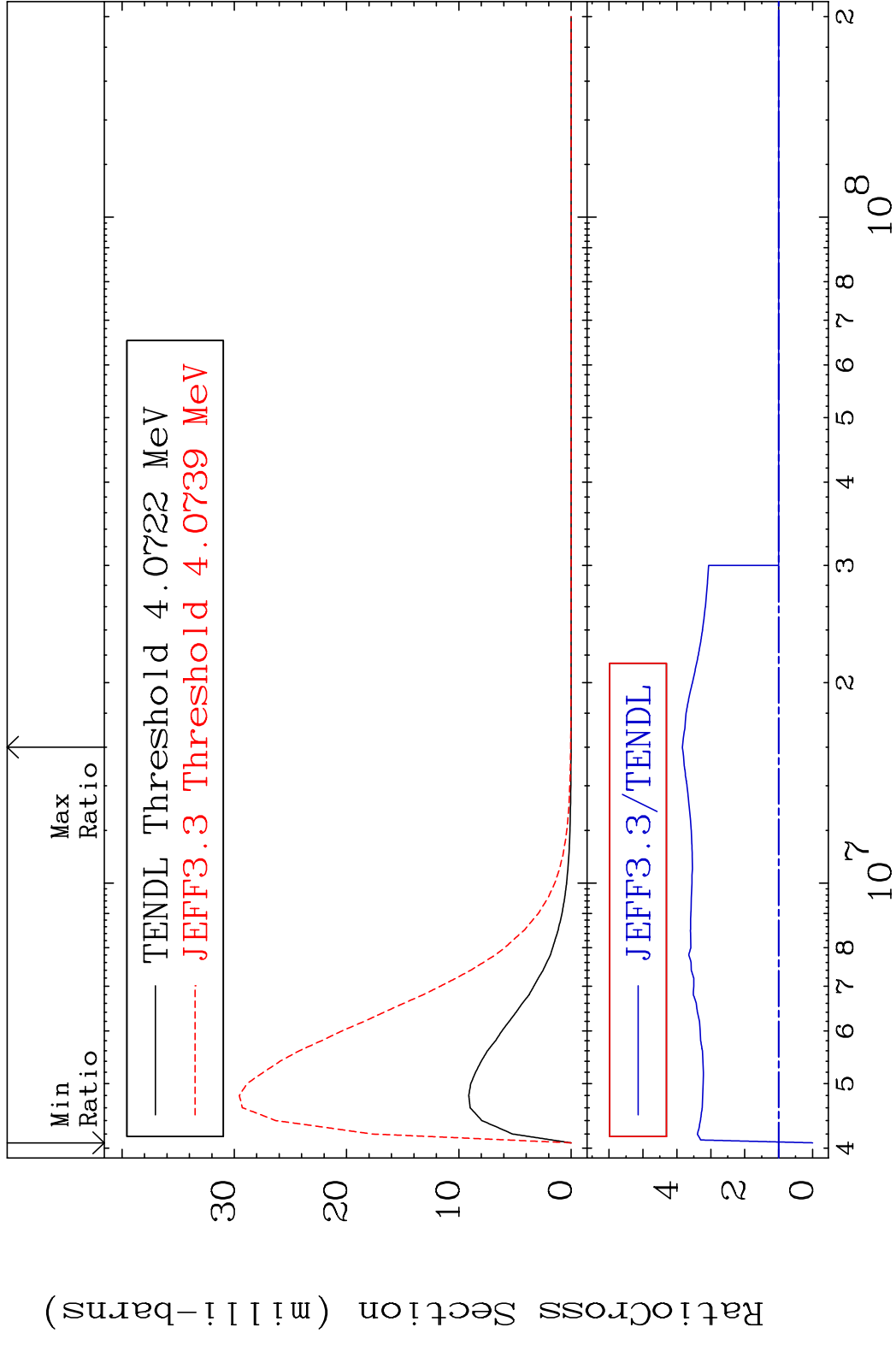
MAT 2028 MT= 75 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



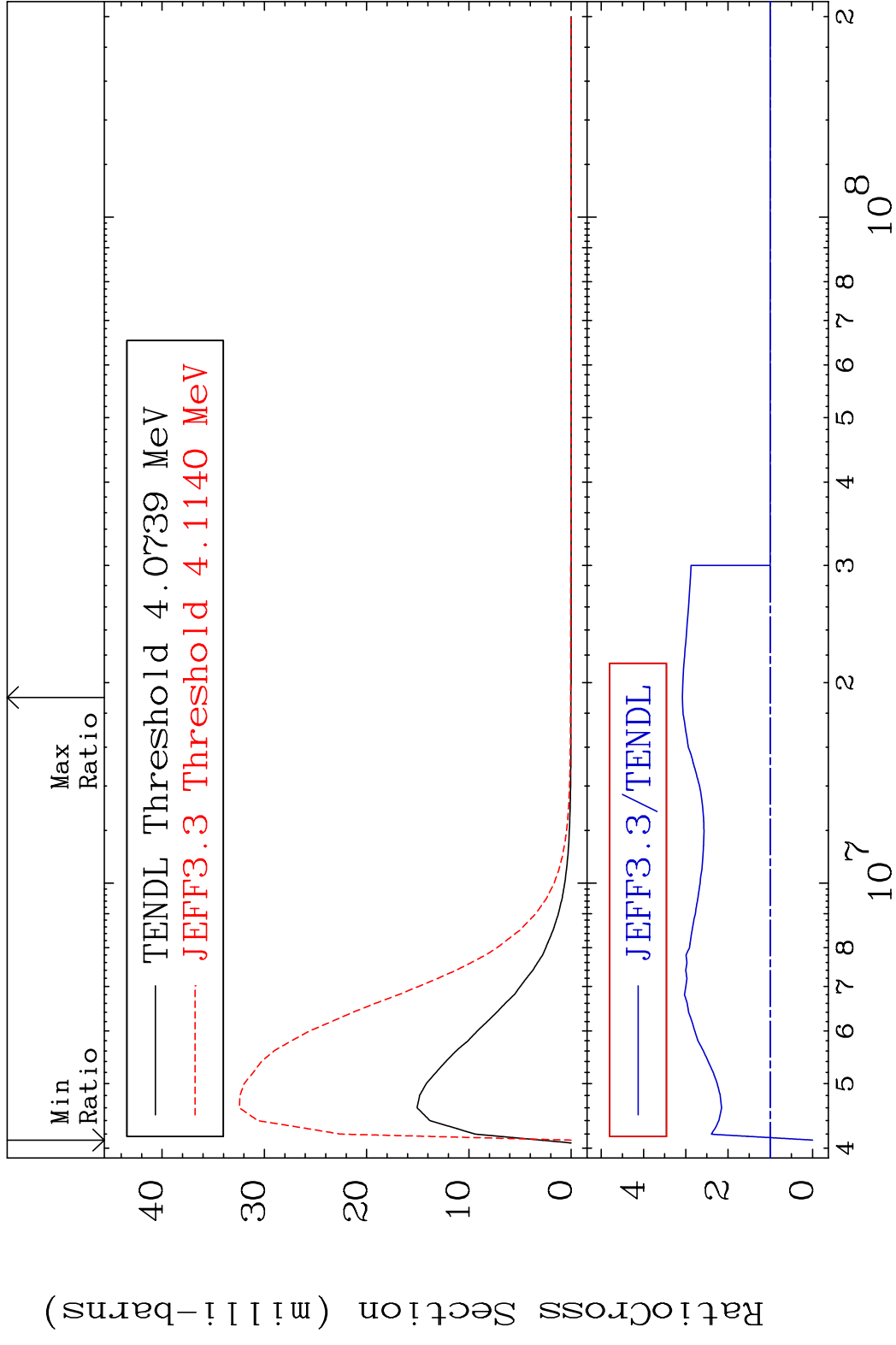
MAT 2028 MT= 76 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



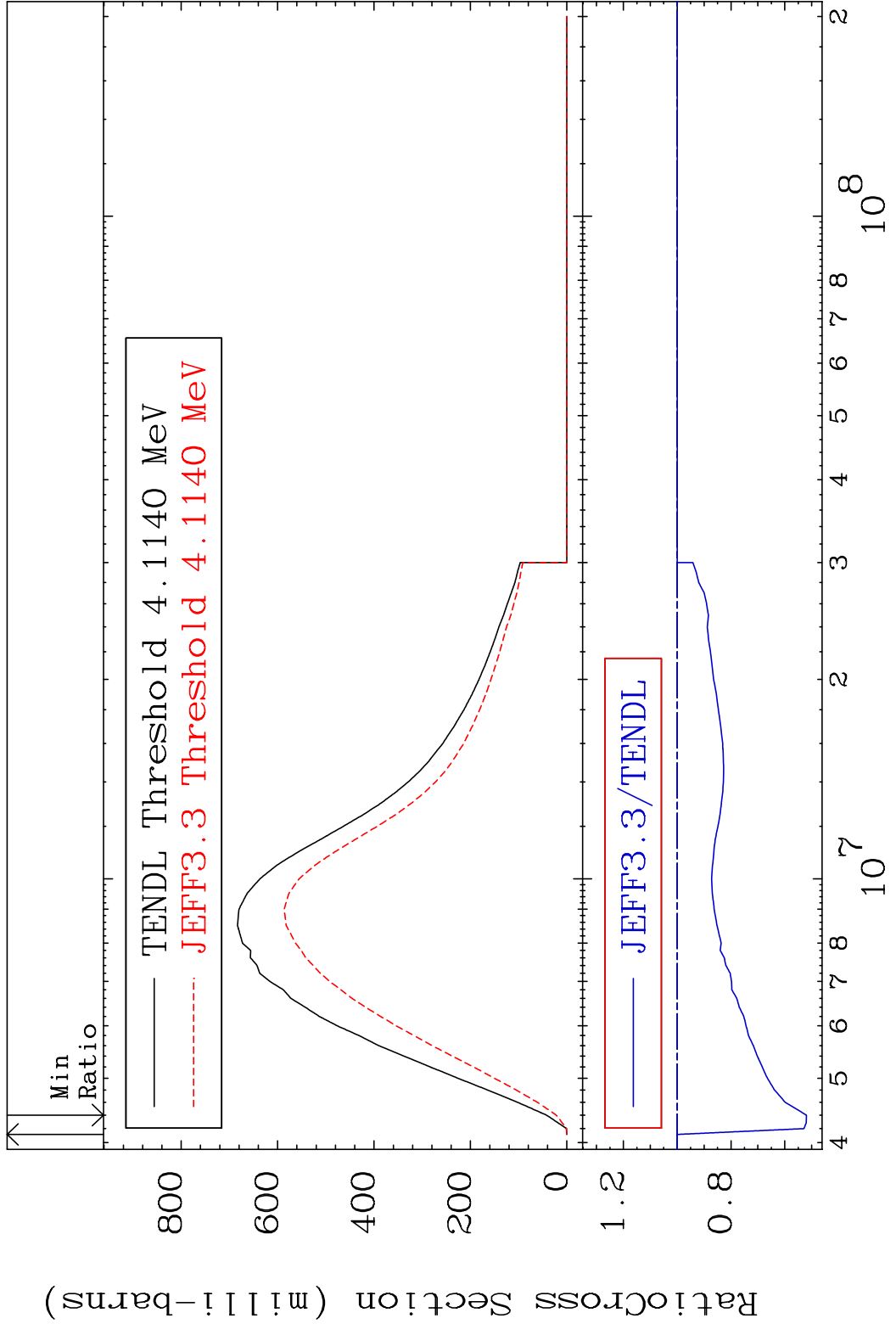
MAT 2028 MT= 77 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 283.8 %



MAT 2028 MT= 78 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 208.1 %

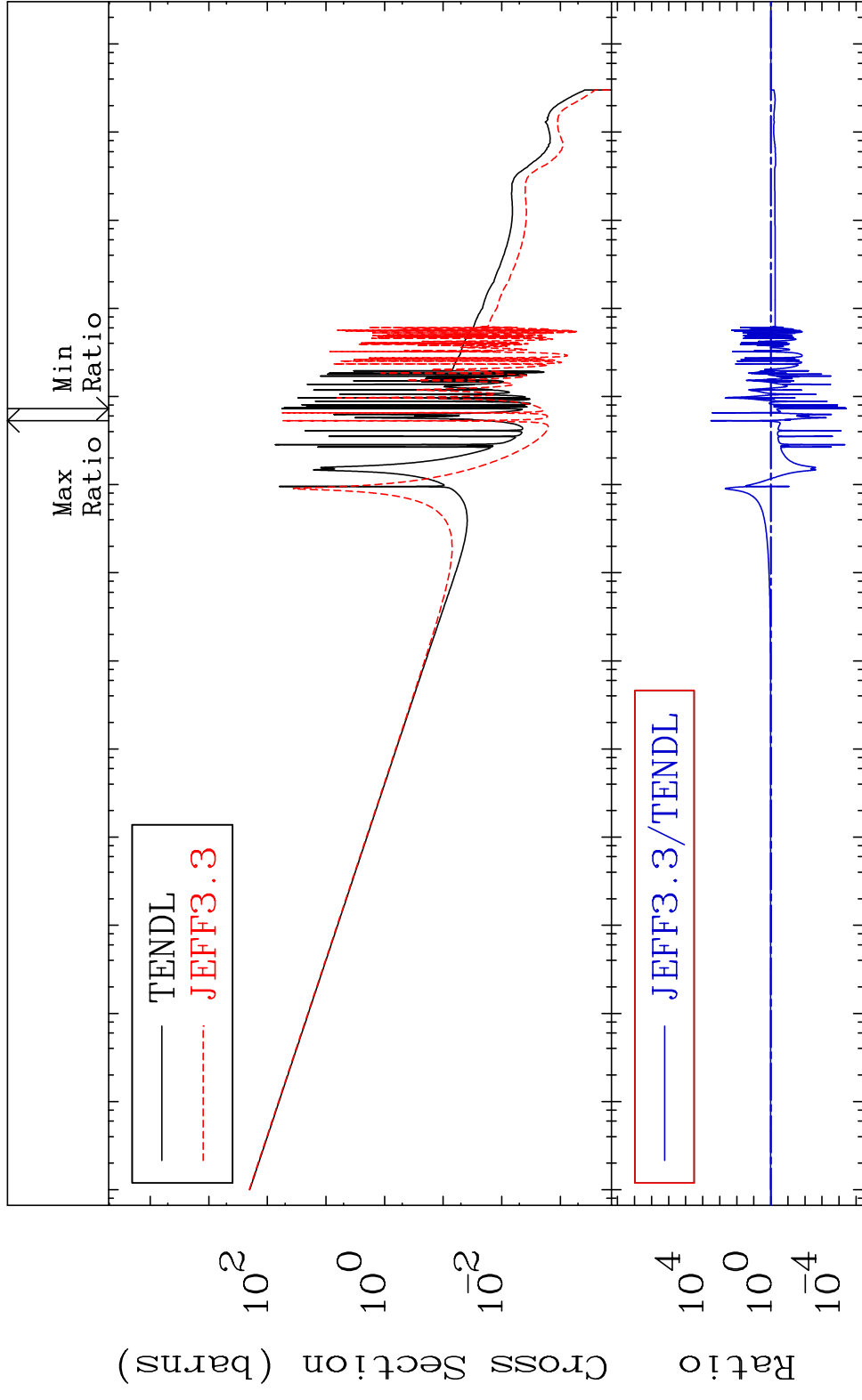


MAT 2028 (n,n') Continuum 20-Ca-41
 Cross Section -48.03 To 0.000 %



MAT 2028

(n, γ)
Cross Section -100.0 To 9999. %
20-Ca-41



46

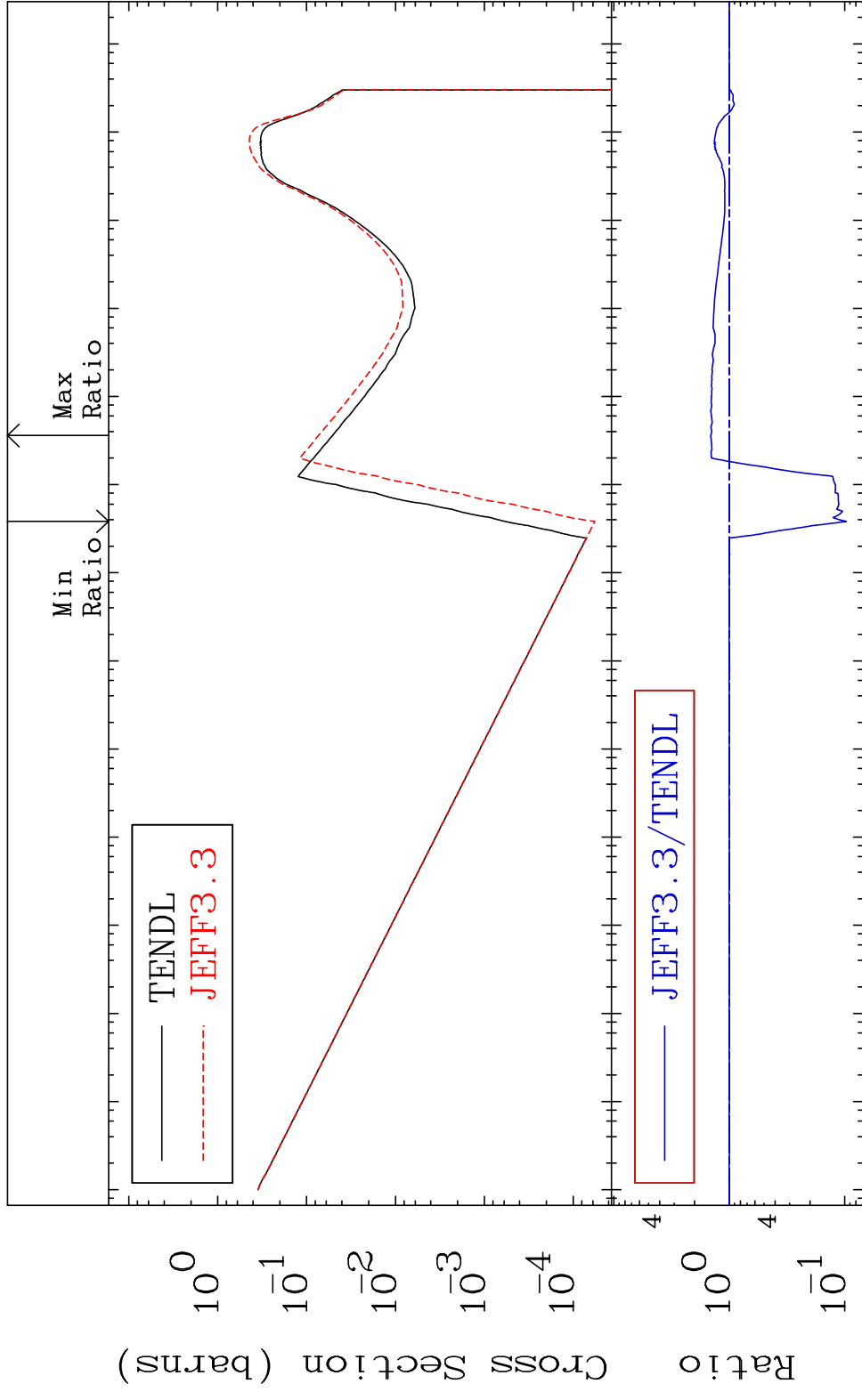
Incident Energy (eV) 20-Ca-41

MAT 2028

(n, p)

20-Ca-41

Cross Section -90.32 To 44.80 %



47

Incident Energy (eV)

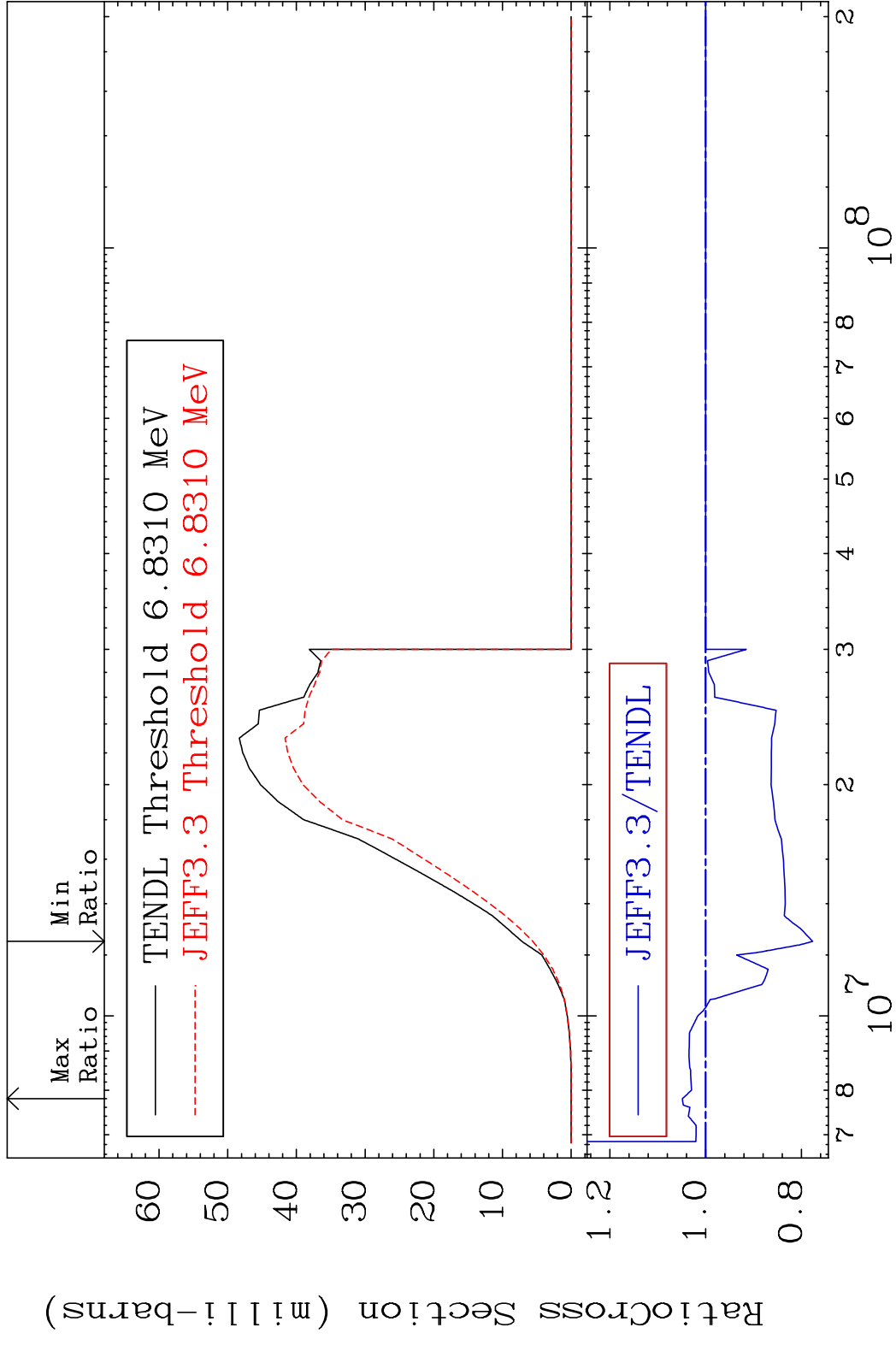
20-Ca-41

MAT 2028

(n, d)

20-Ca-41

Cross Section -22.34 To 4.856 %



48

Incident Energy (eV)

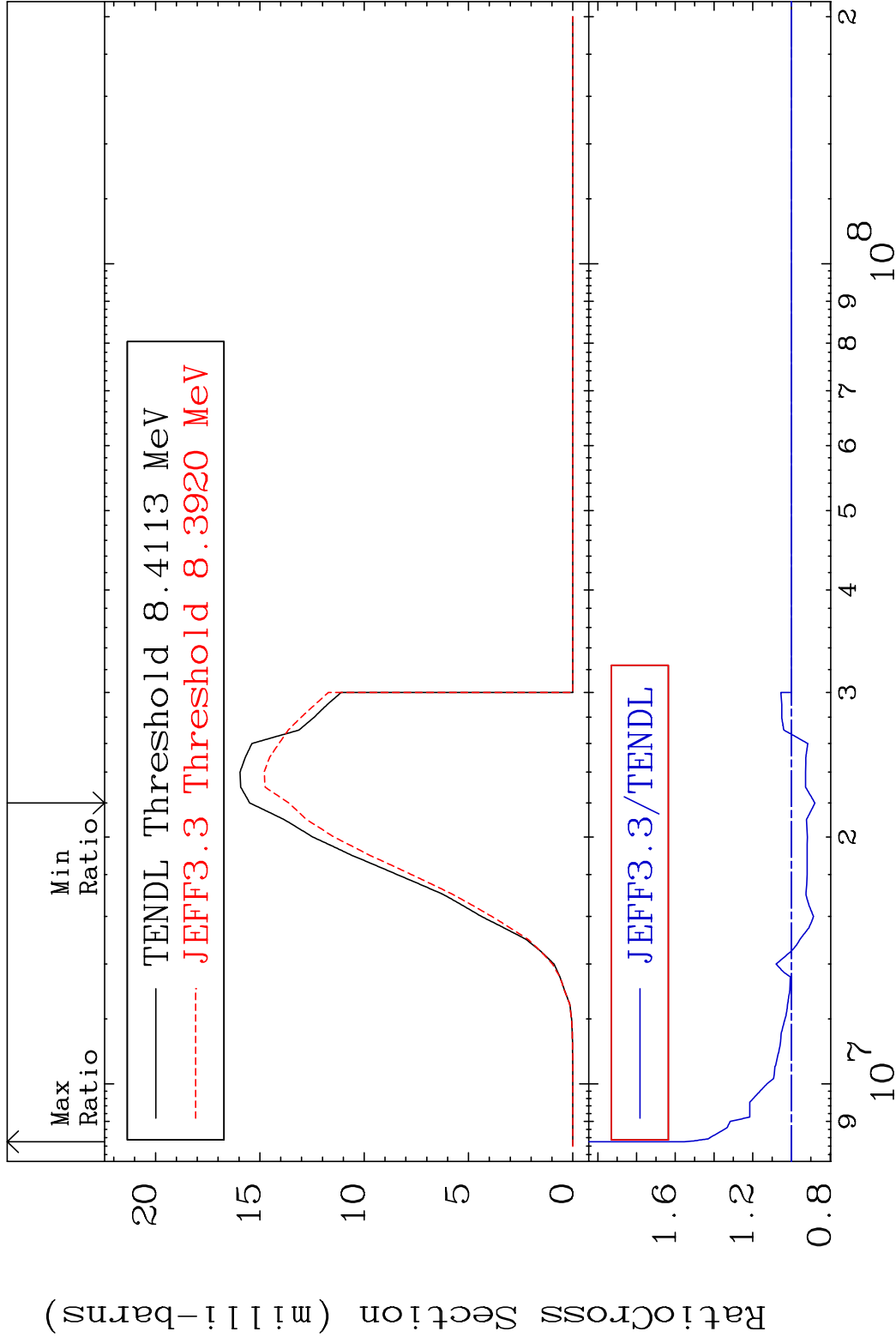
20-Ca-41

MAT 2028

(n, t)

20-Ca-41

Cross Section -12.10 To 55.33 %



49

Incident Energy (eV)

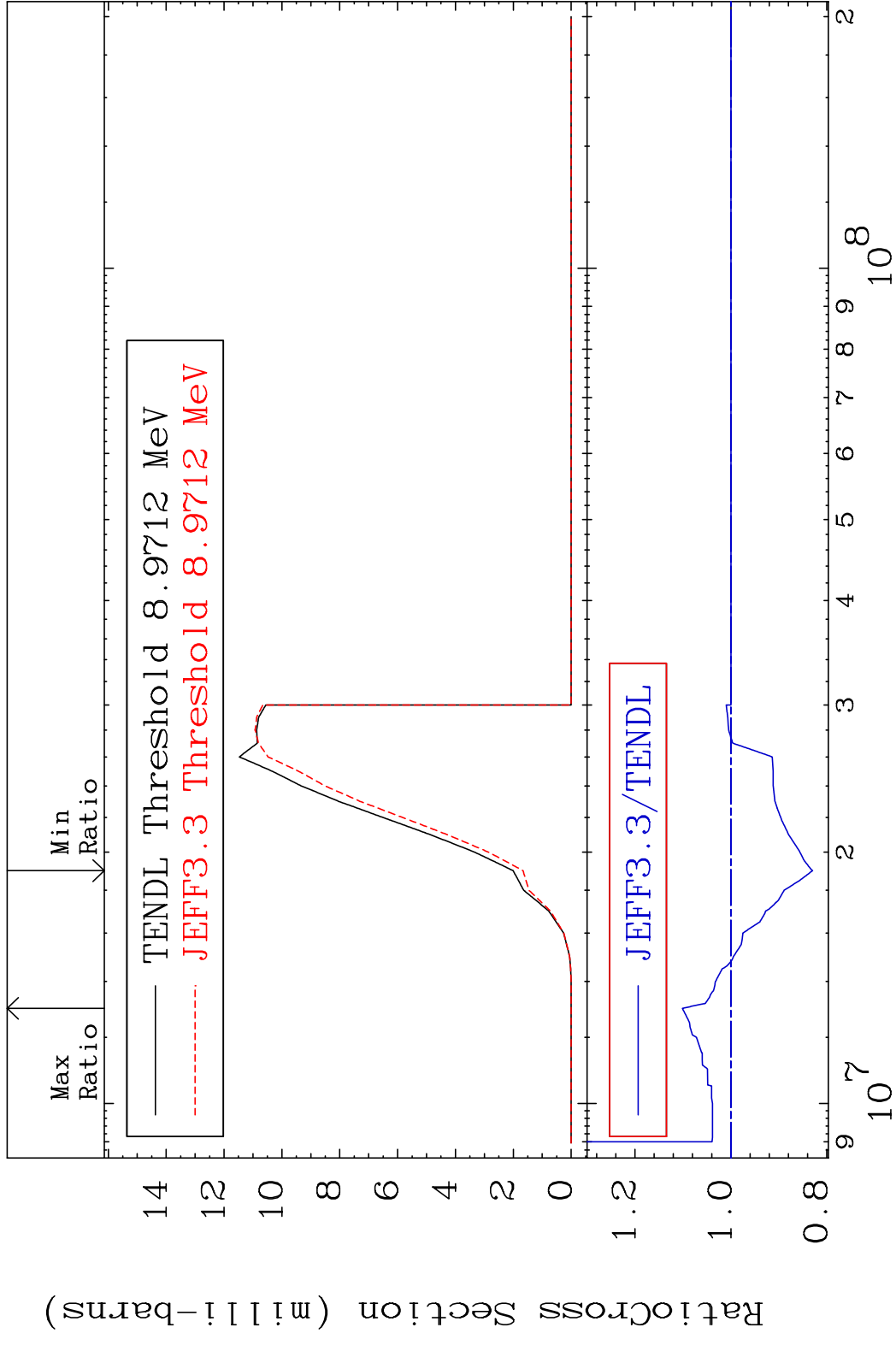
20-Ca-41

MAT 2028

(n, He-3)

20-Ca-41

Cross Section -17.04 To 10.12 %



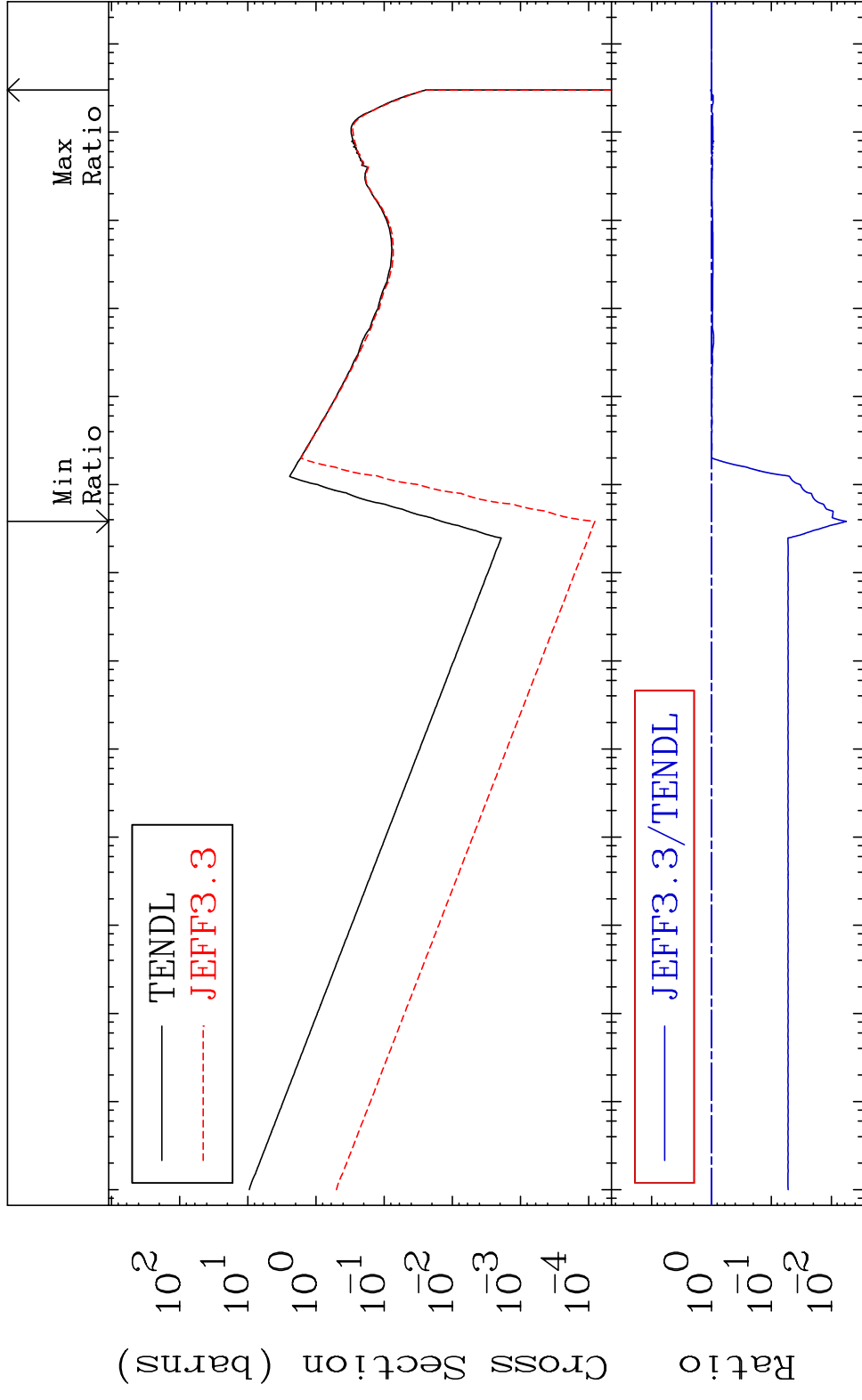
50

Incident Energy (eV)

20-Ca-41

MAT 2028

(n, α)
Cross Section -99.44 To 2.842 %
20-Ca-41

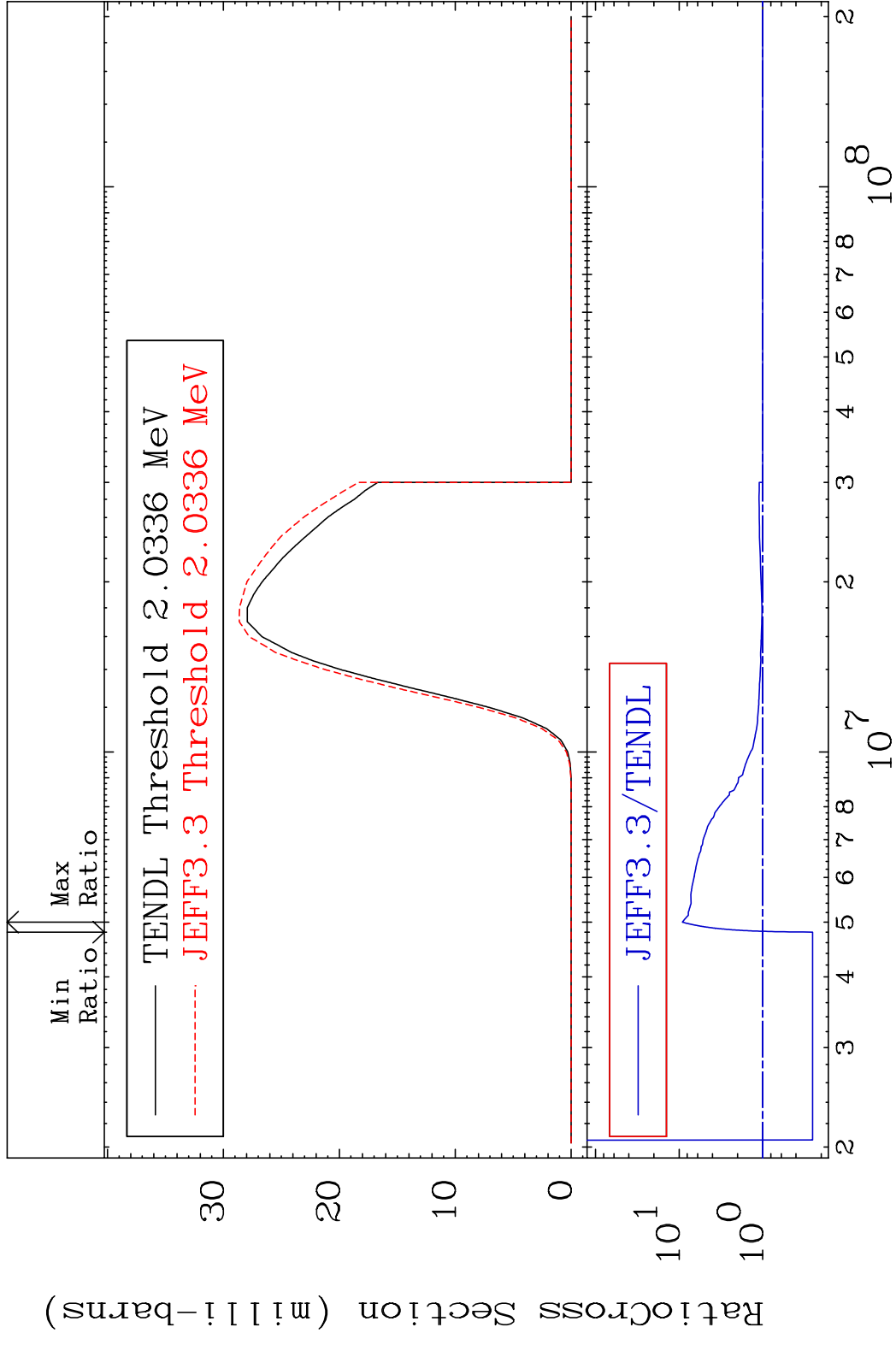


MAT 2028

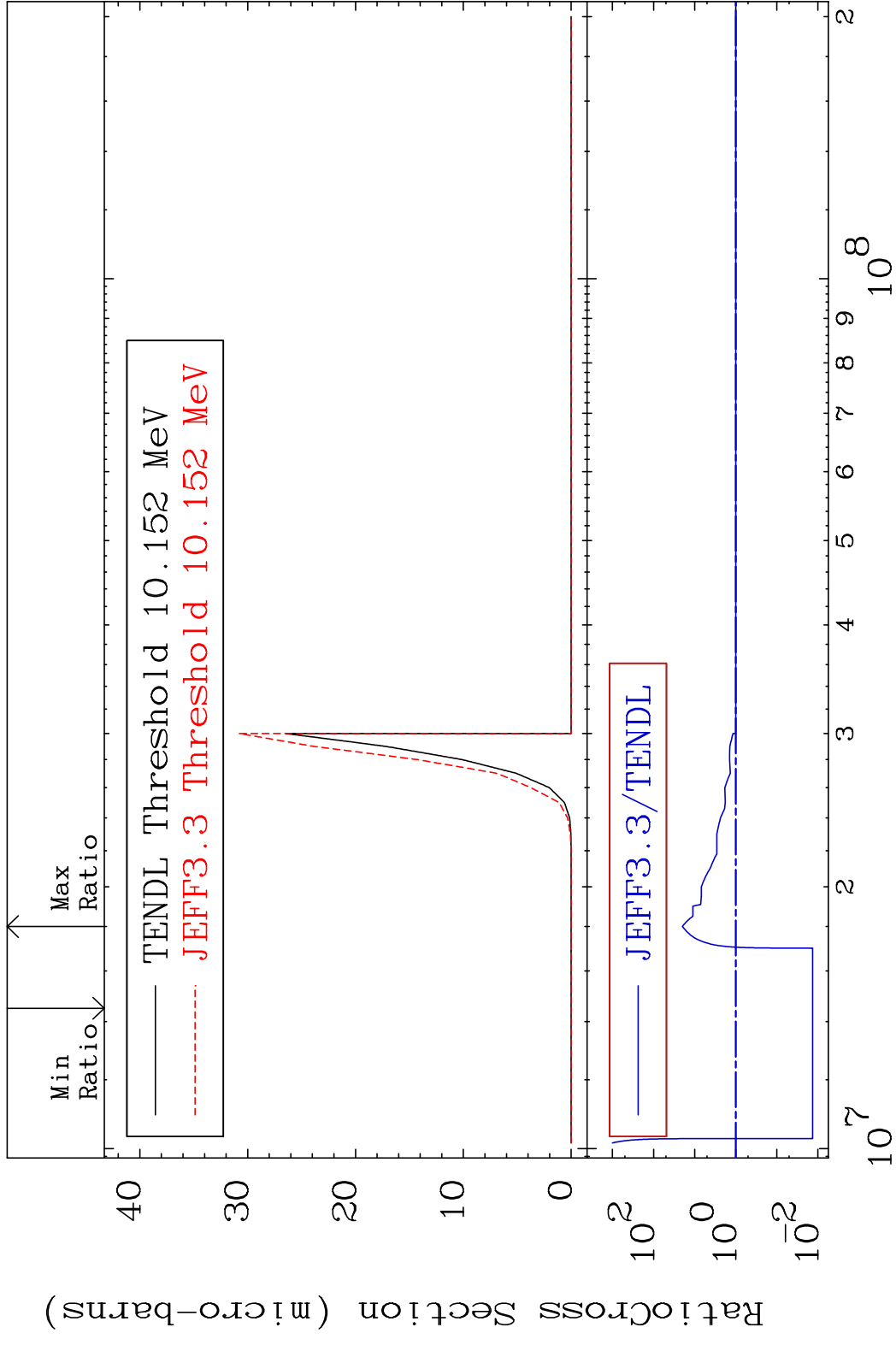
(n, 2α)

20-Ca-41

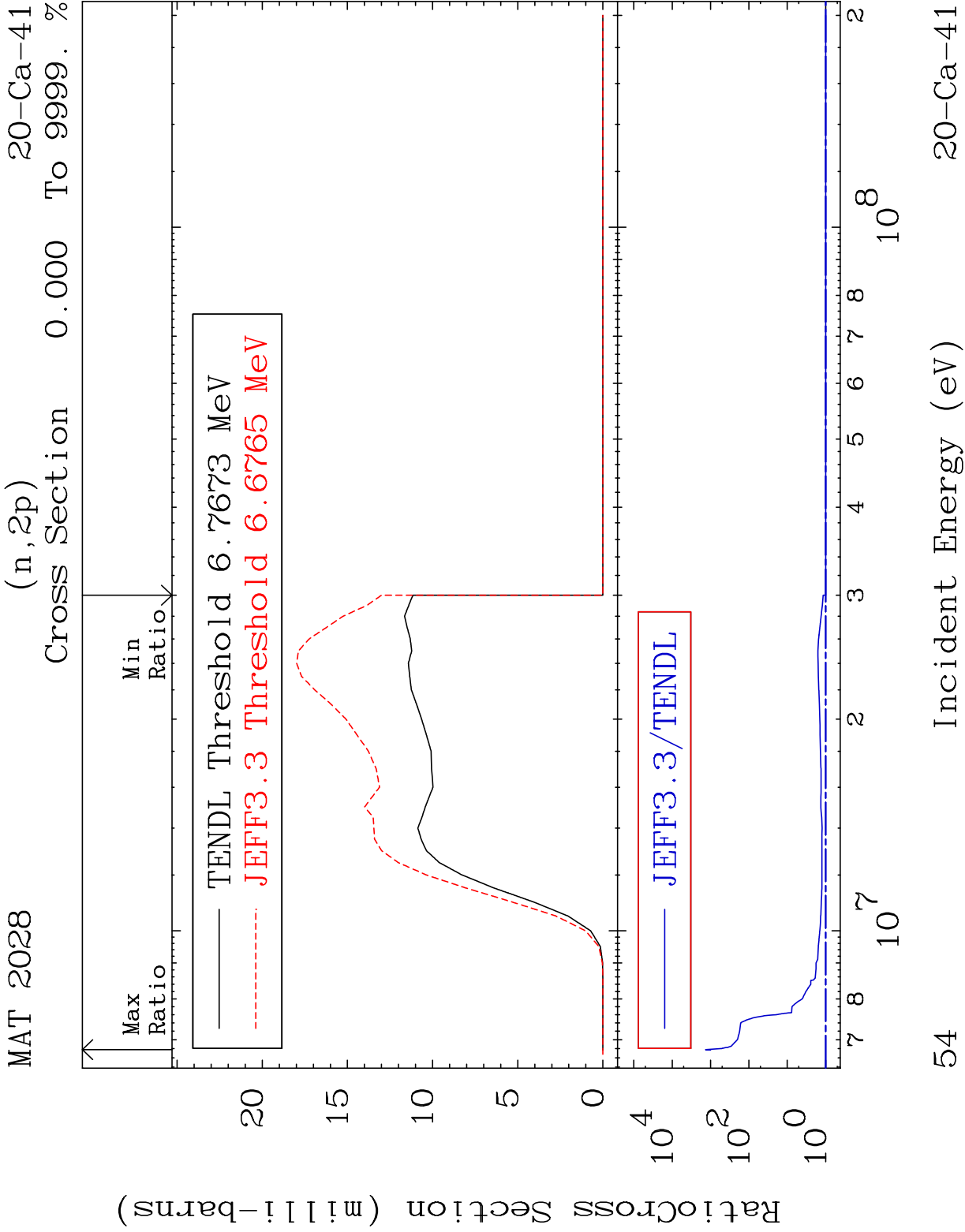
Cross Section -74.63 To 814.9 %



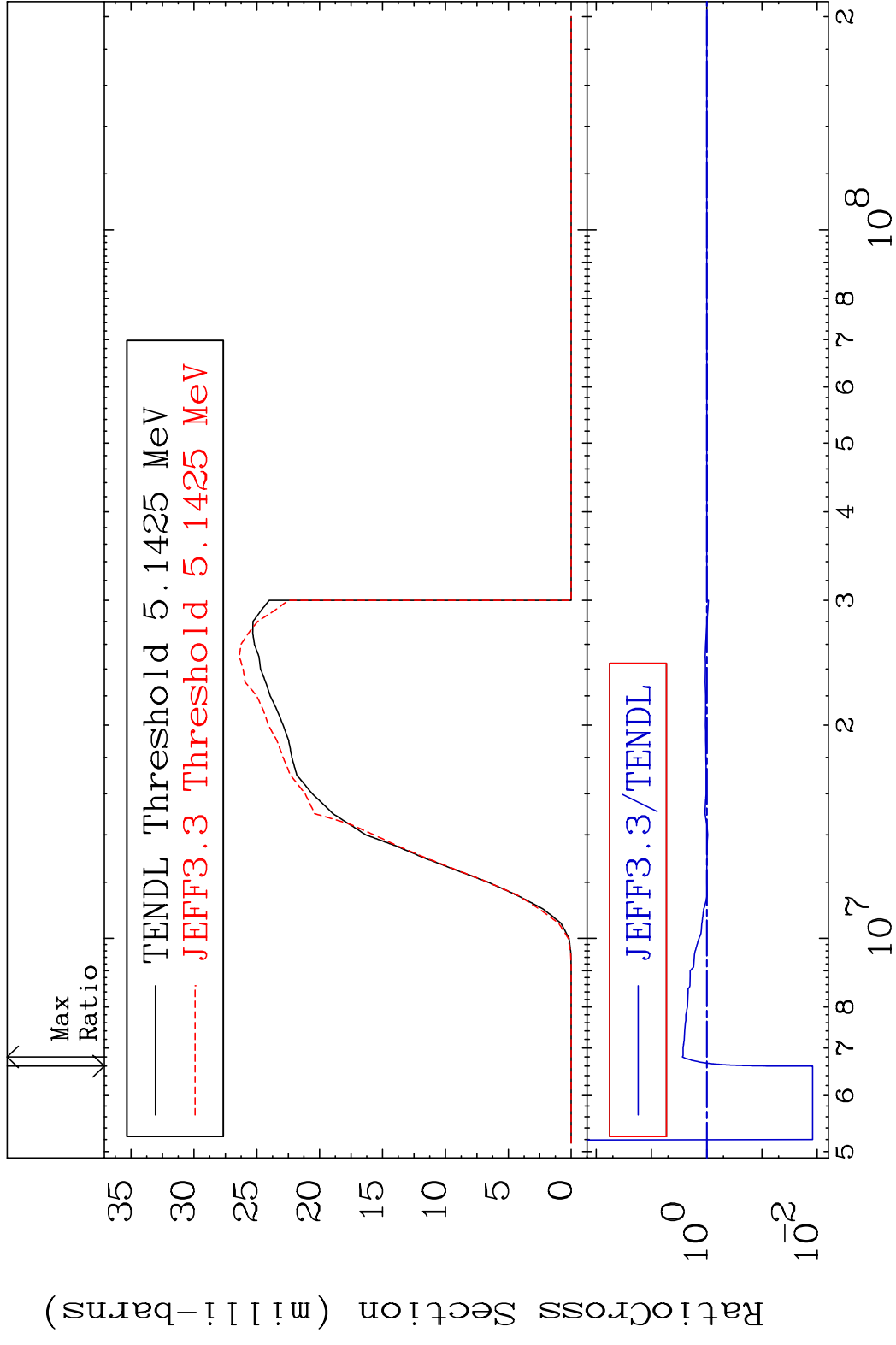
MAT 2028 (n,3α) 20-Ca-41
 Cross Section -98.65 To 1890. %



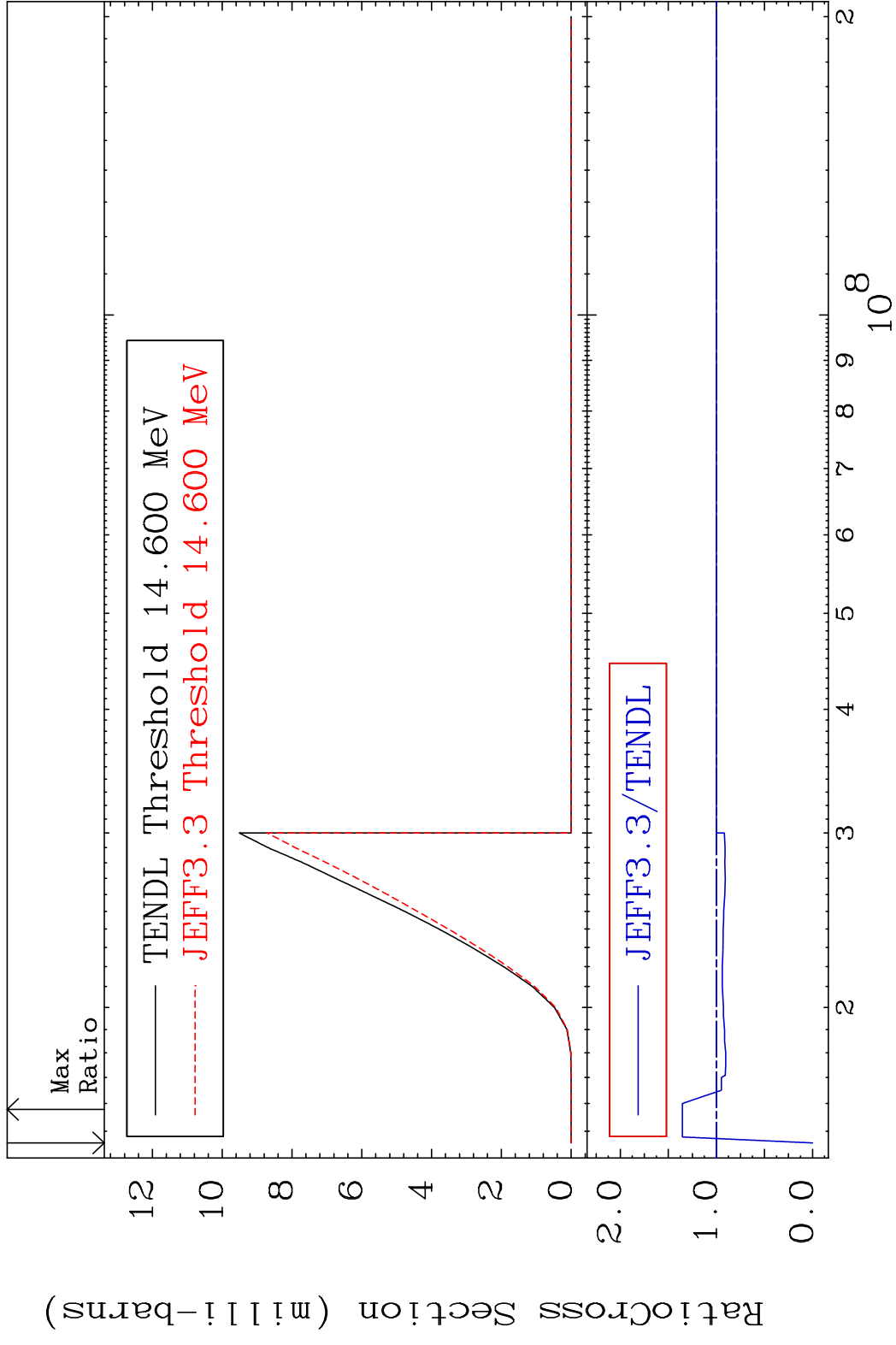
53 20-Ca-41



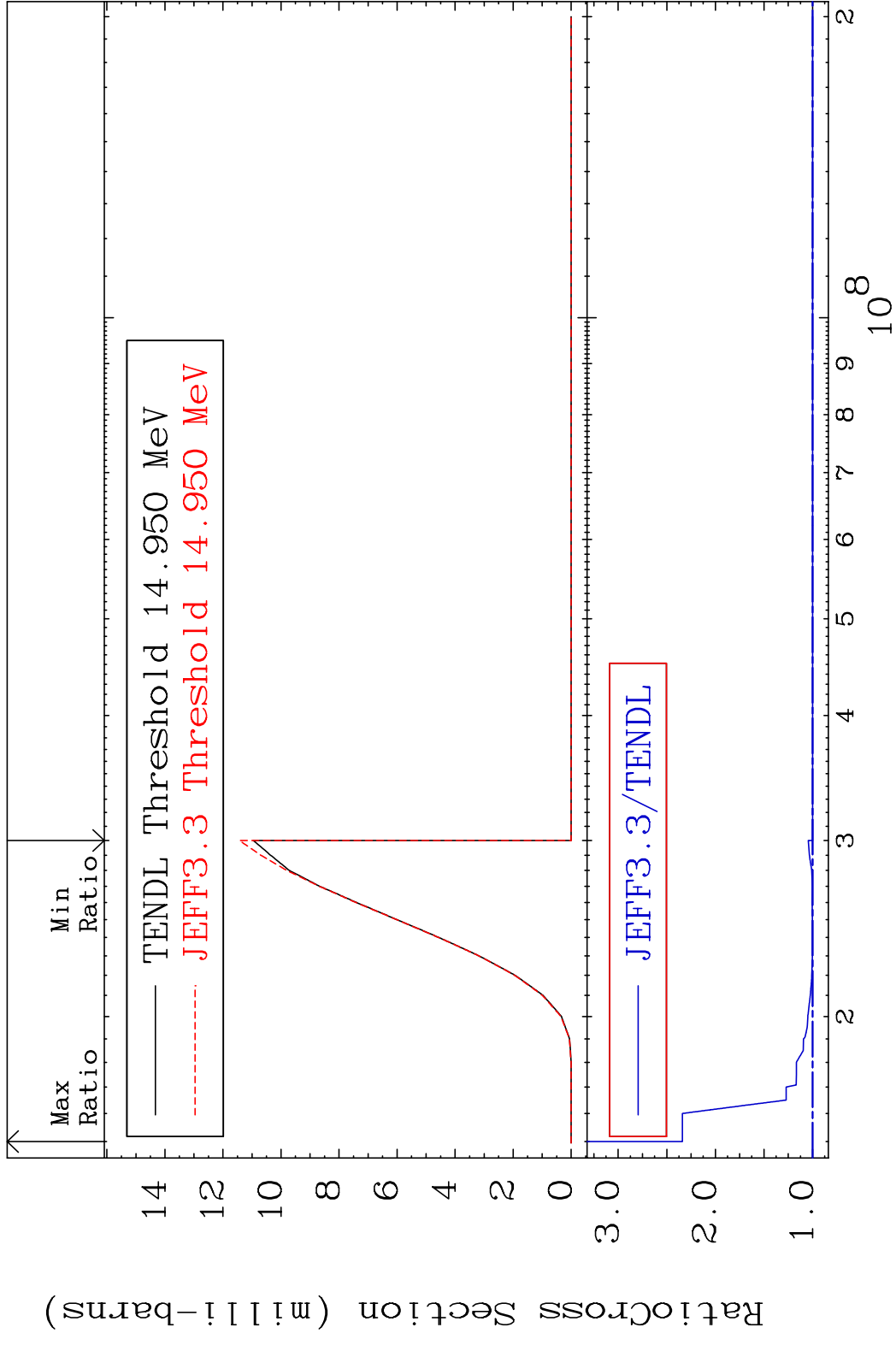
MAT 2028 (n,p) α 20-Ca-41
 Cross Section -98.78 To 175.9 %



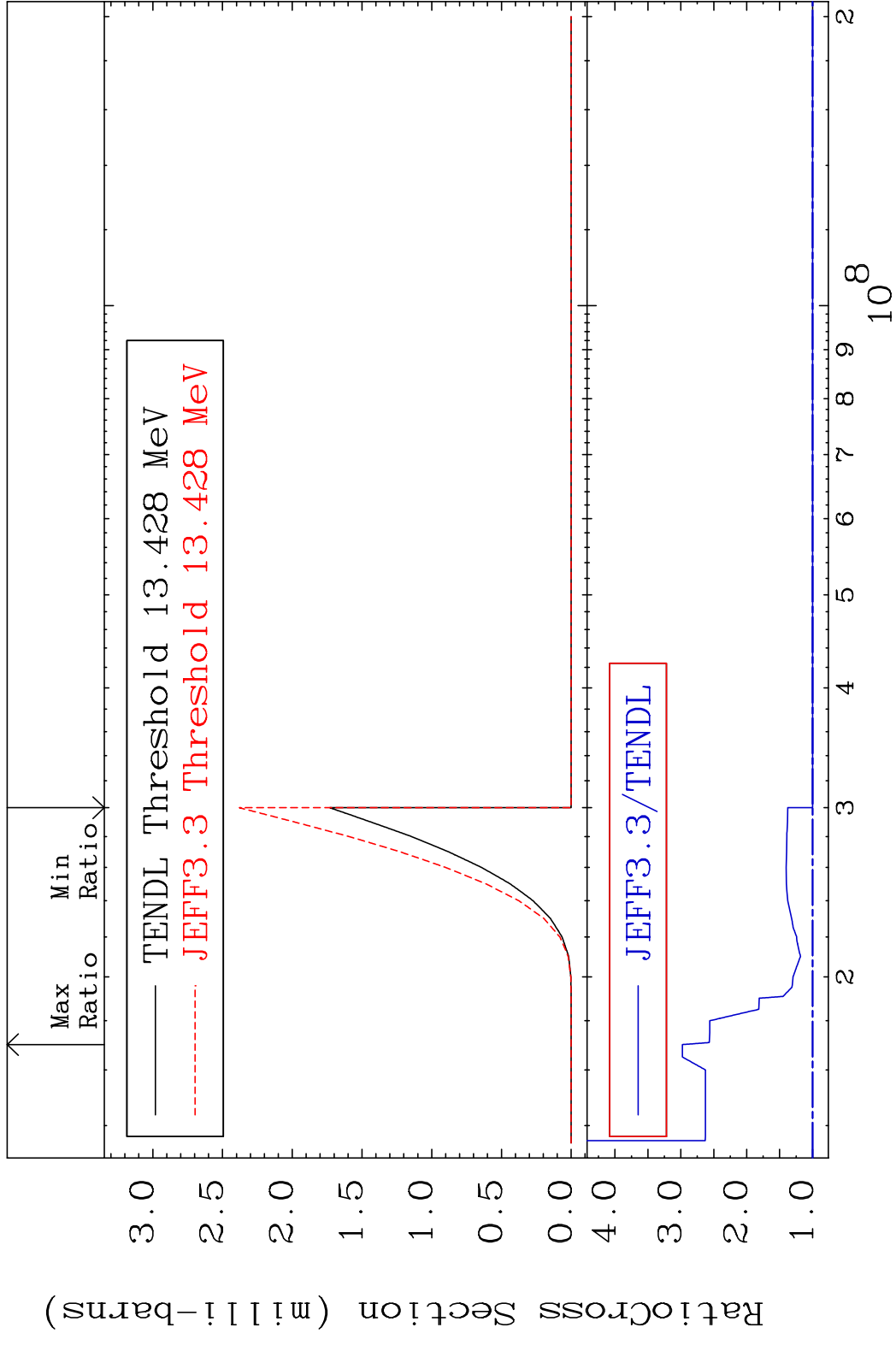
MAT 2028 (n,p) d 20-Ca-41
 Cross Section -100.0 To 35.42 %

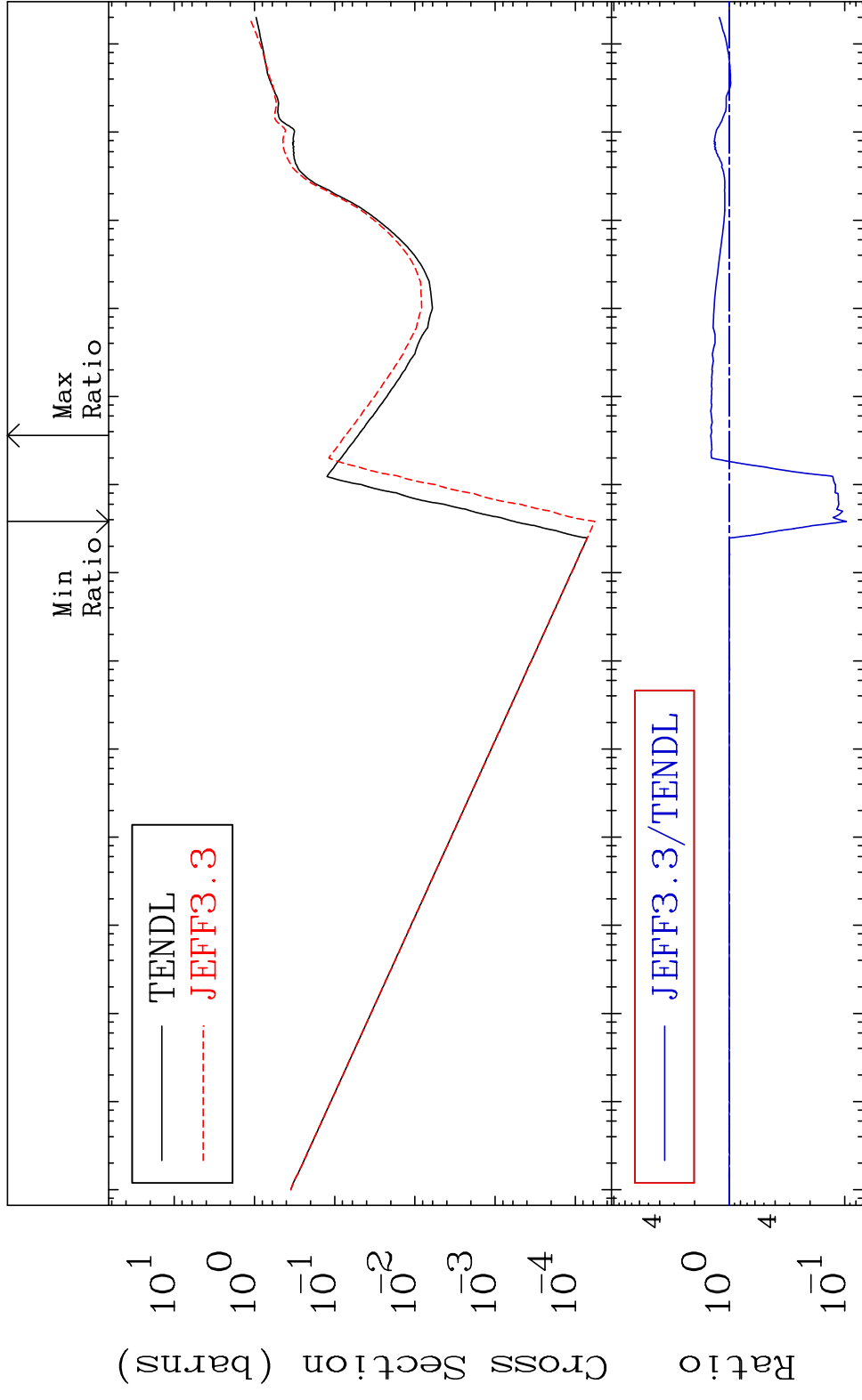


MAT 2028 (n,p) t 20-Ca-41
 Cross Section 0.000 To 134.0 %

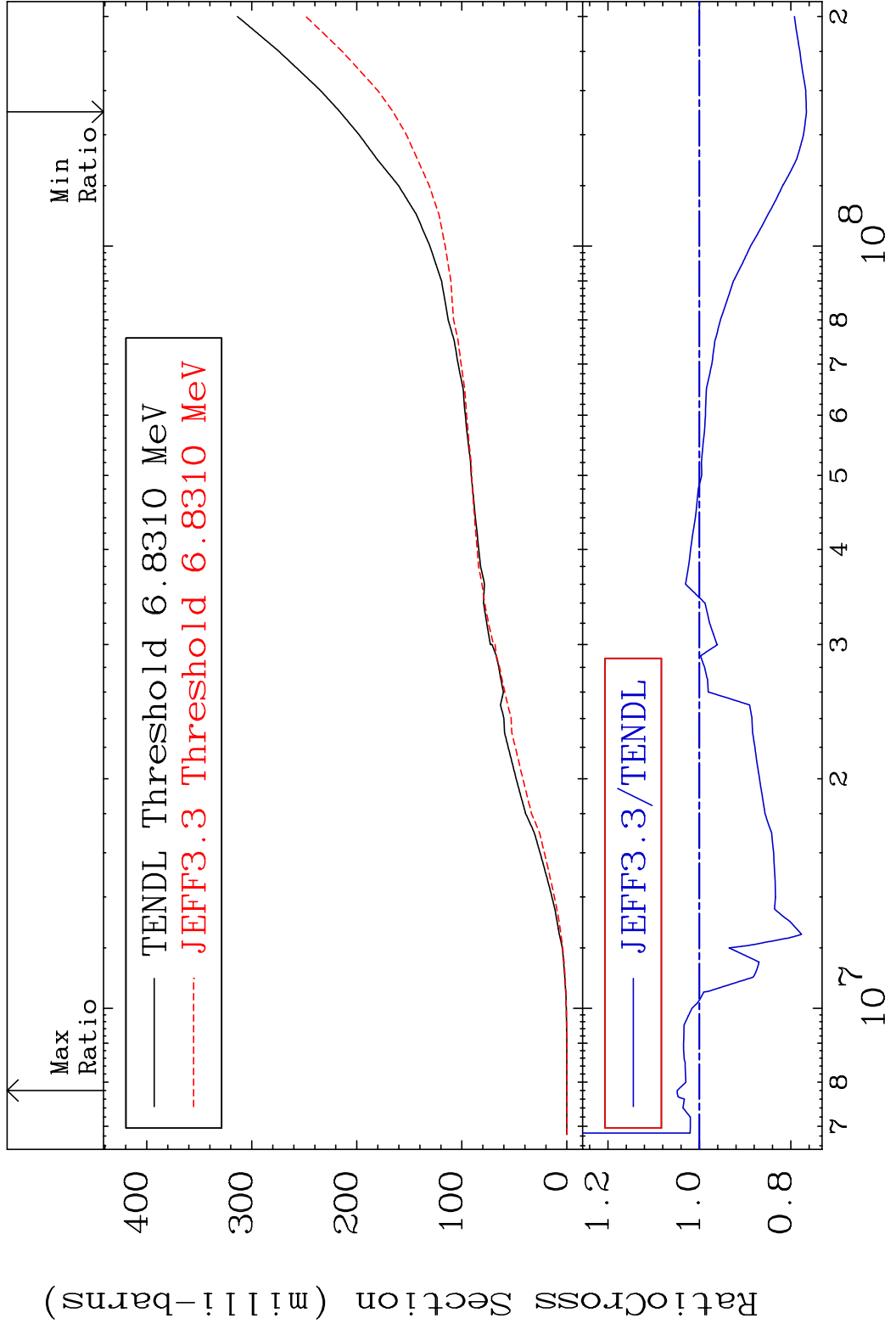


MAT 2028 (n,d) α 20-Ca-41
 Cross Section 0.000 To 197.7 %





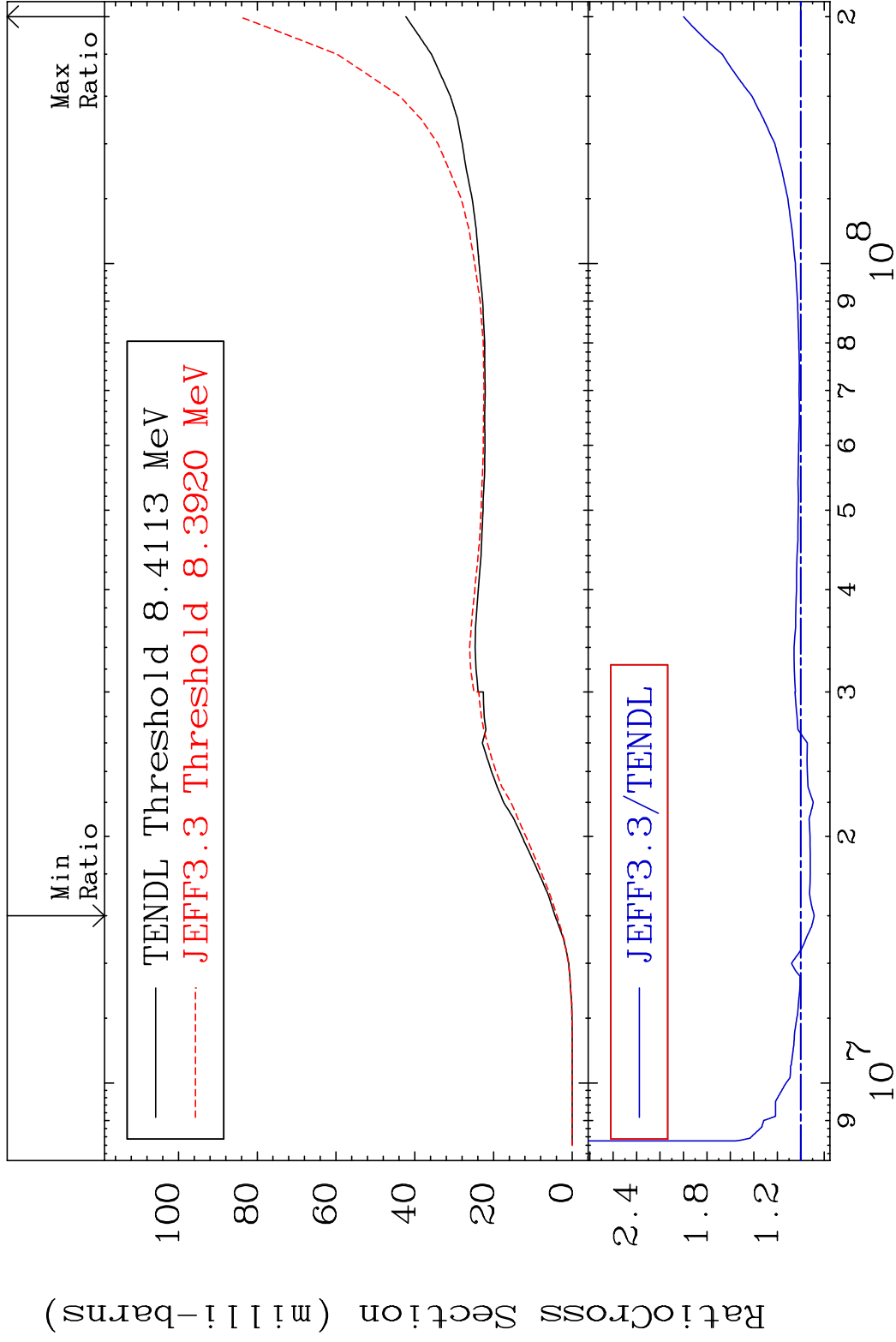
MAT 2028 Deuterium Production 20-Ca-41
 Cross Section -23.40 To 4.856 %



MAT 2028

Tritium Production 20-Ca-41

Cross Section -11.37 To 99.86 %



61

Incident Energy (eV)

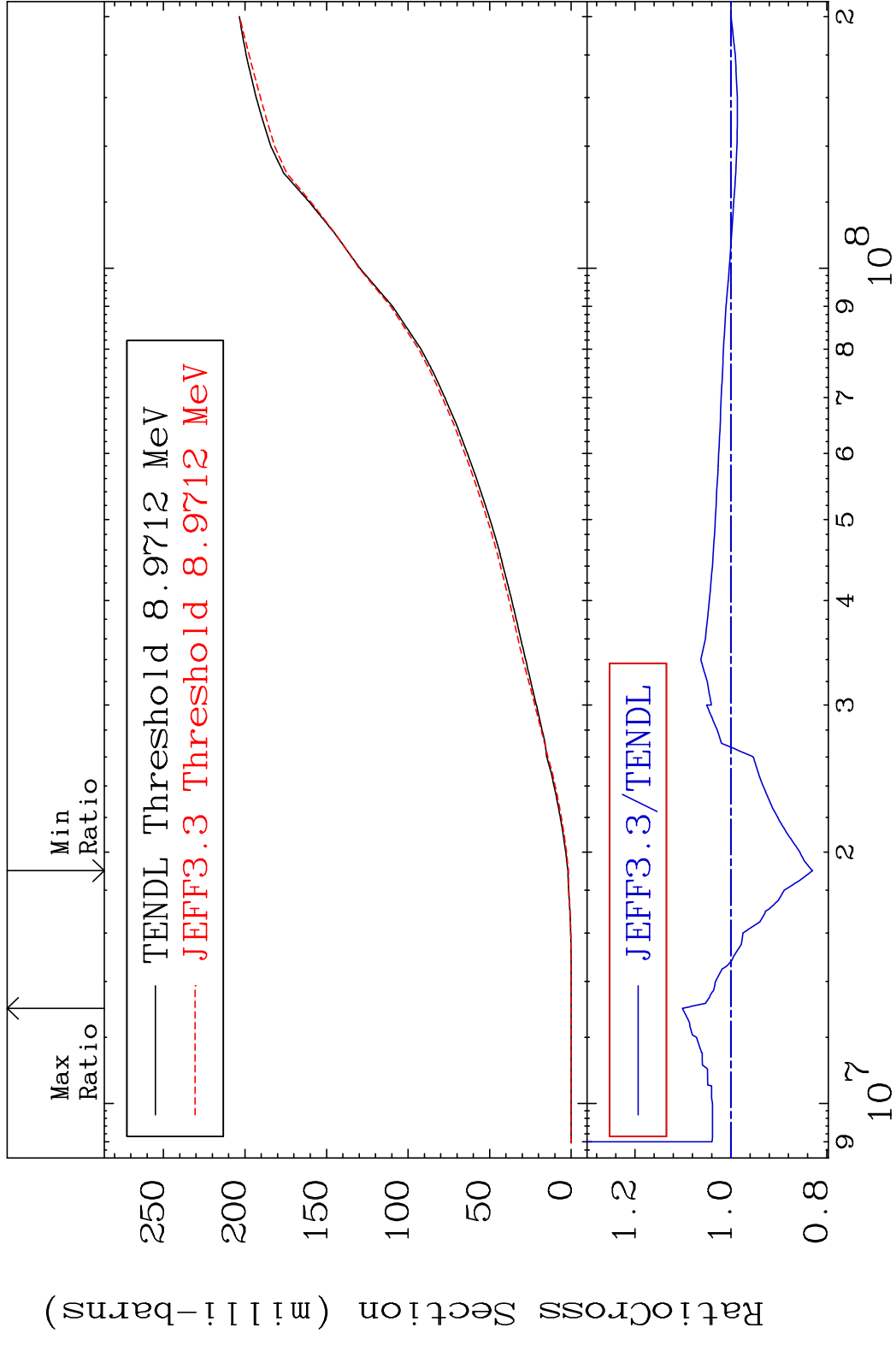
20-Ca-41

MAT 2028

He-3 Production

20-Ca-41

Cross Section -17.04 To 10.12 %



62

Incident Energy (eV)

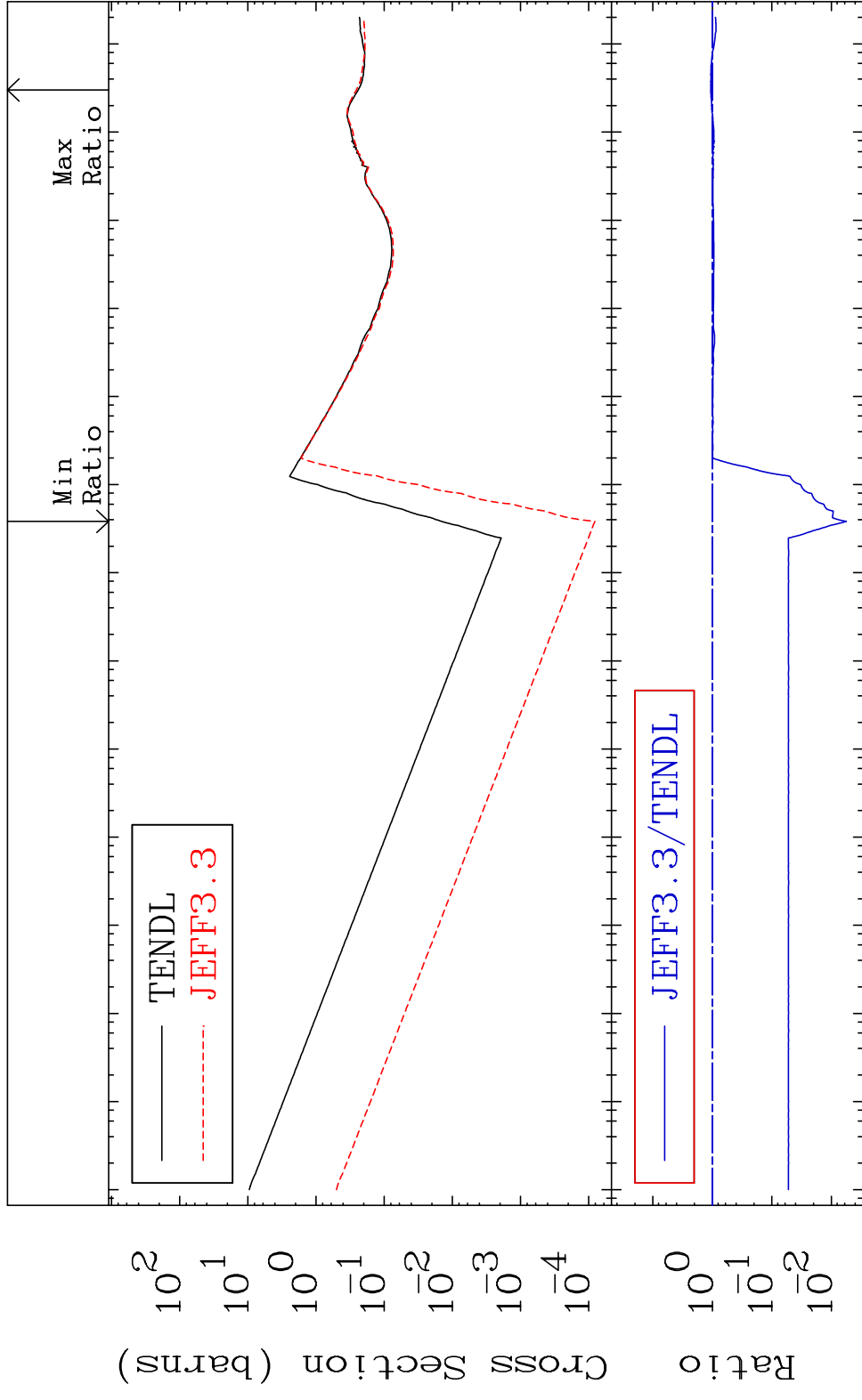
20-Ca-41

MAT 2028

He-4 Production

20-Ca-41

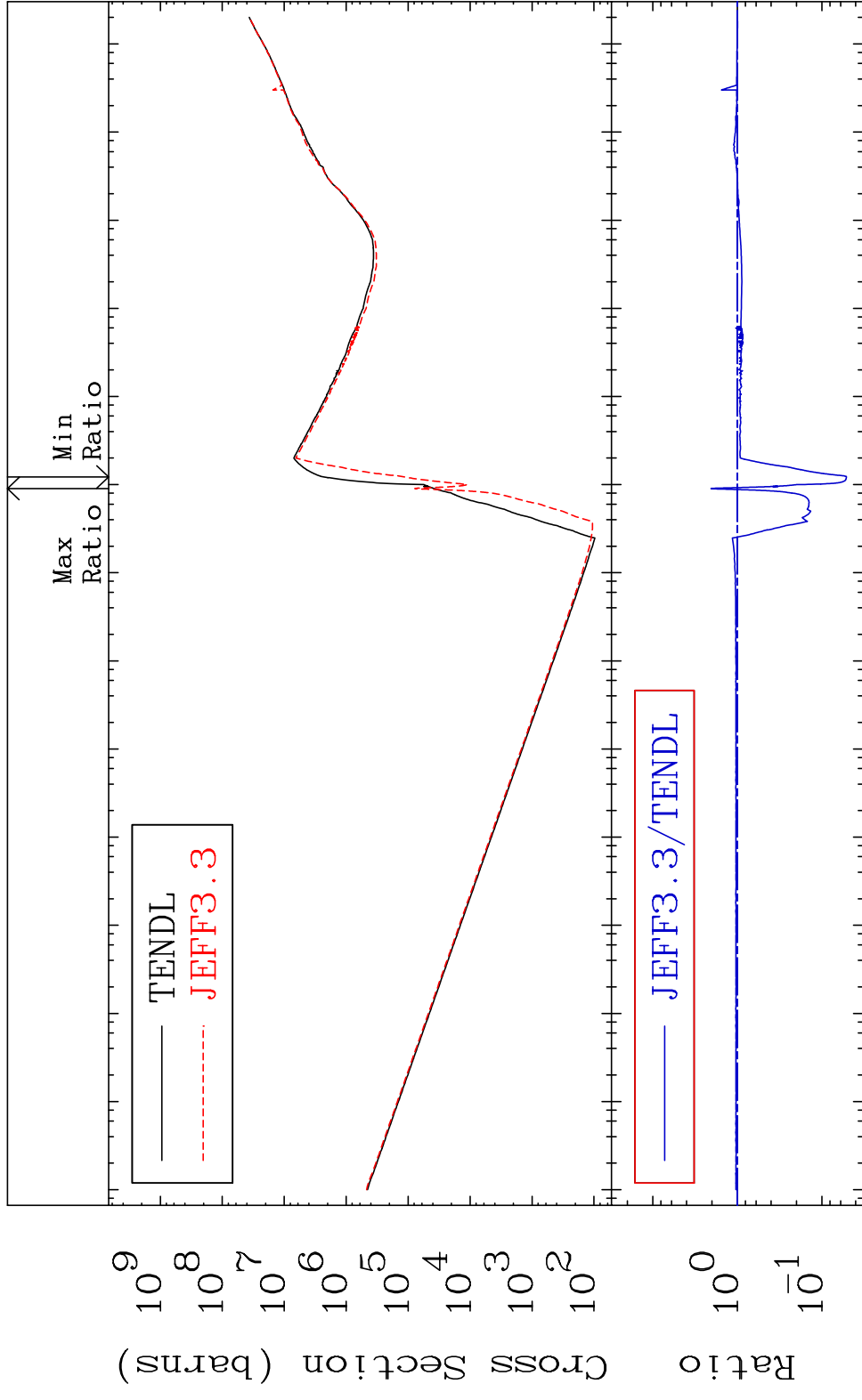
Cross Section -99.44 To 6.578 %



63

Incident Energy (eV)

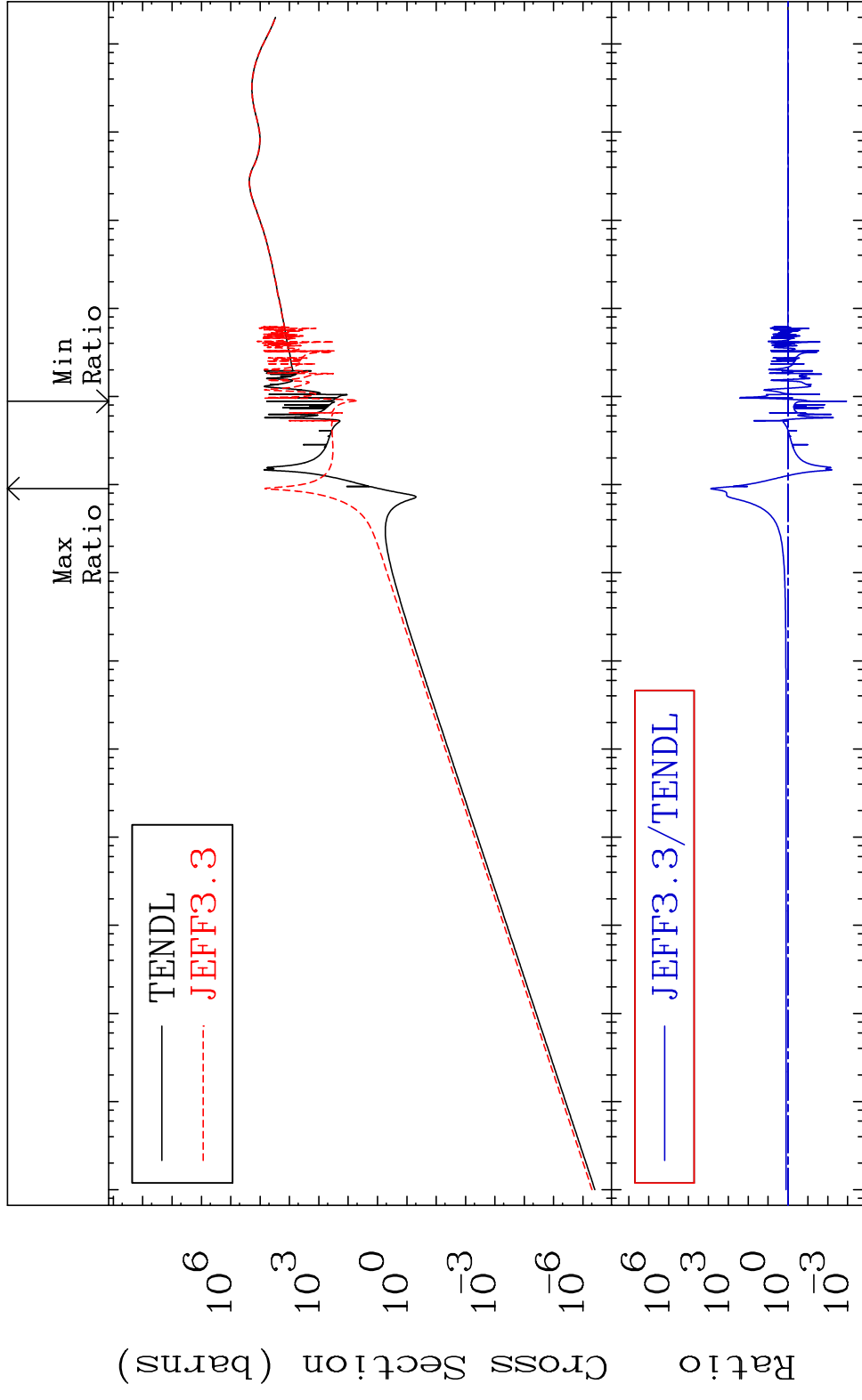
20-Ca-41



MAT 2028

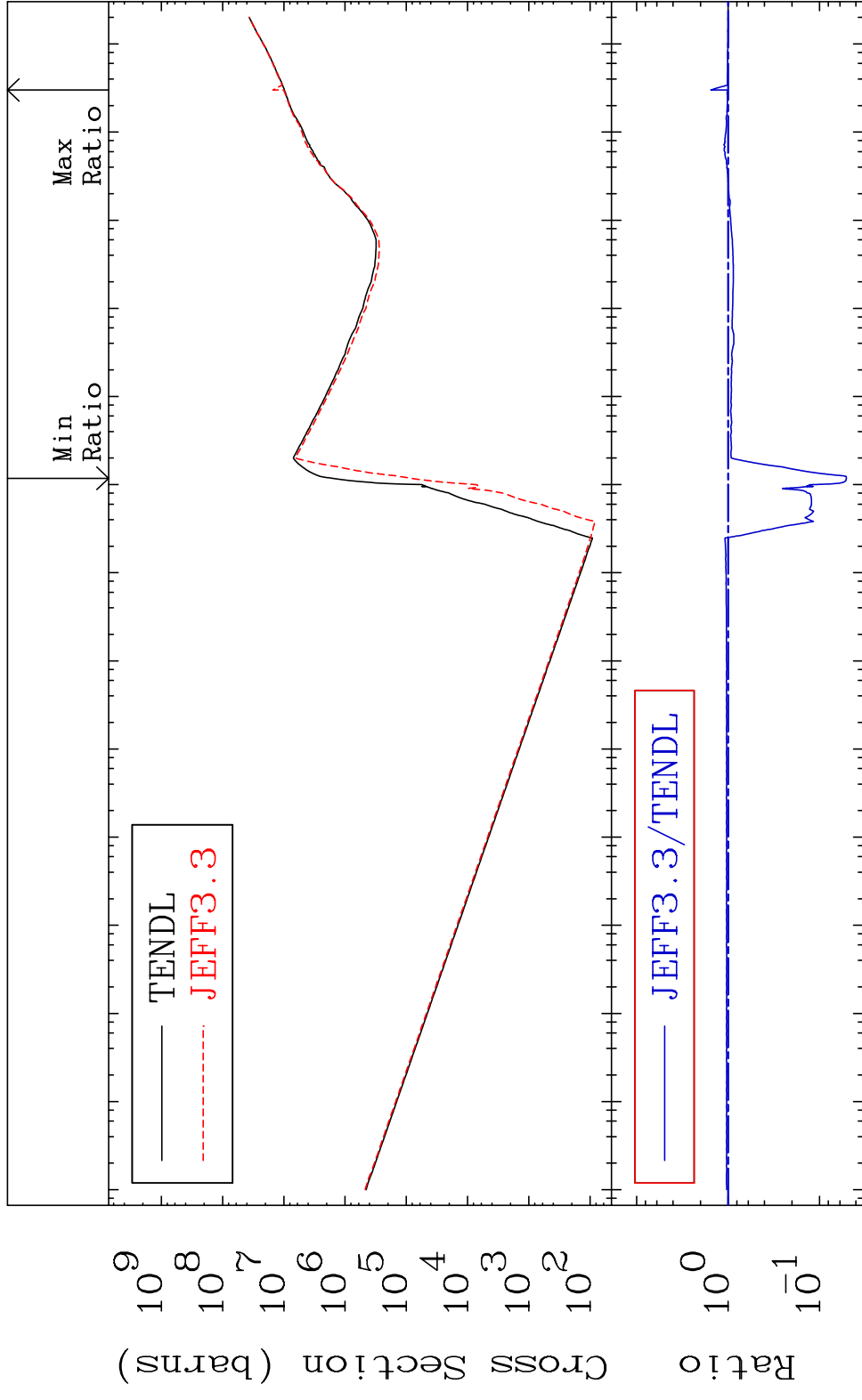
Kerma elastic
Cross Section

20-Ca-41
-99.88 To 9999. %

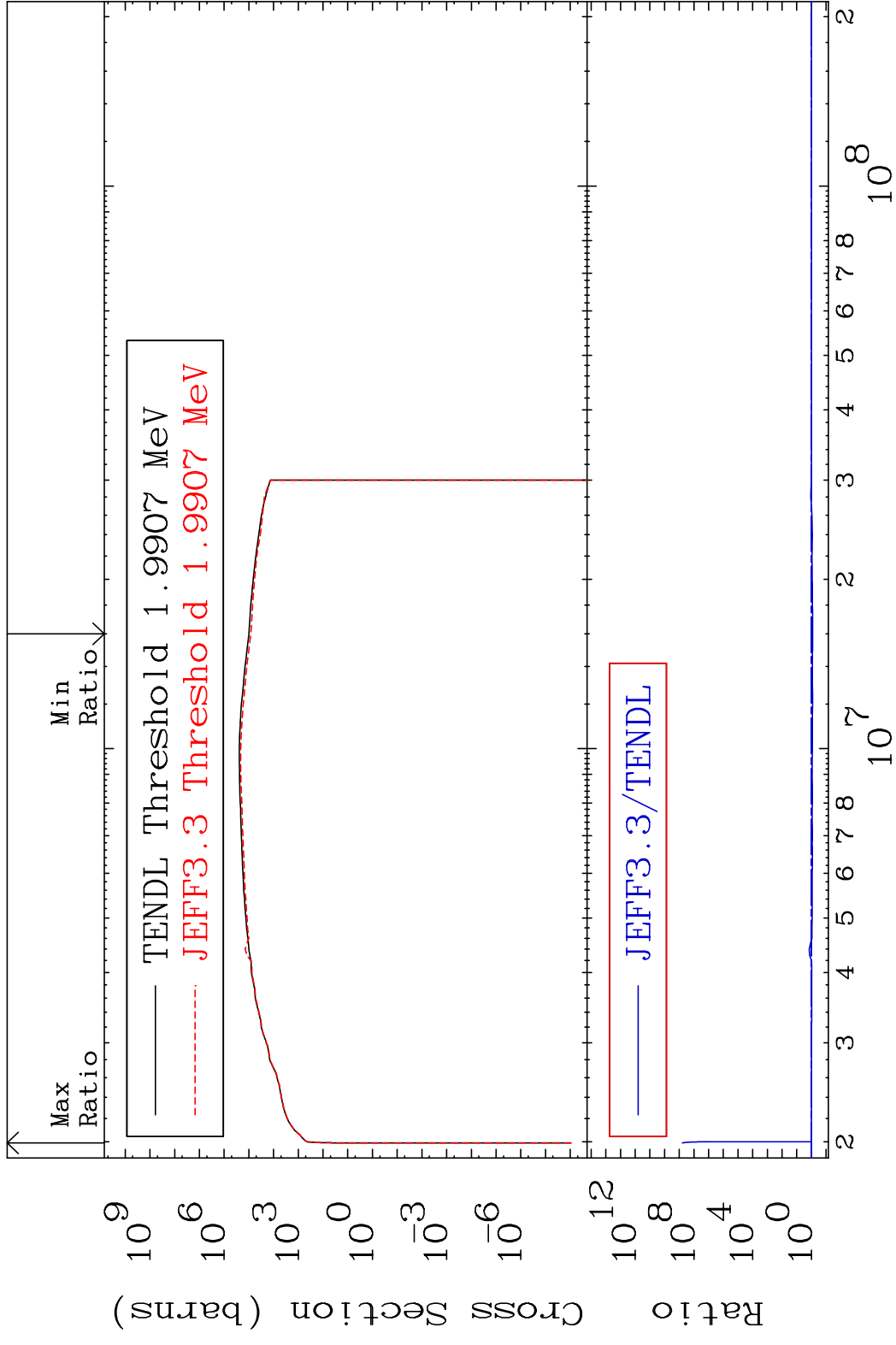


Incident Energy (eV) 20-Ca-41

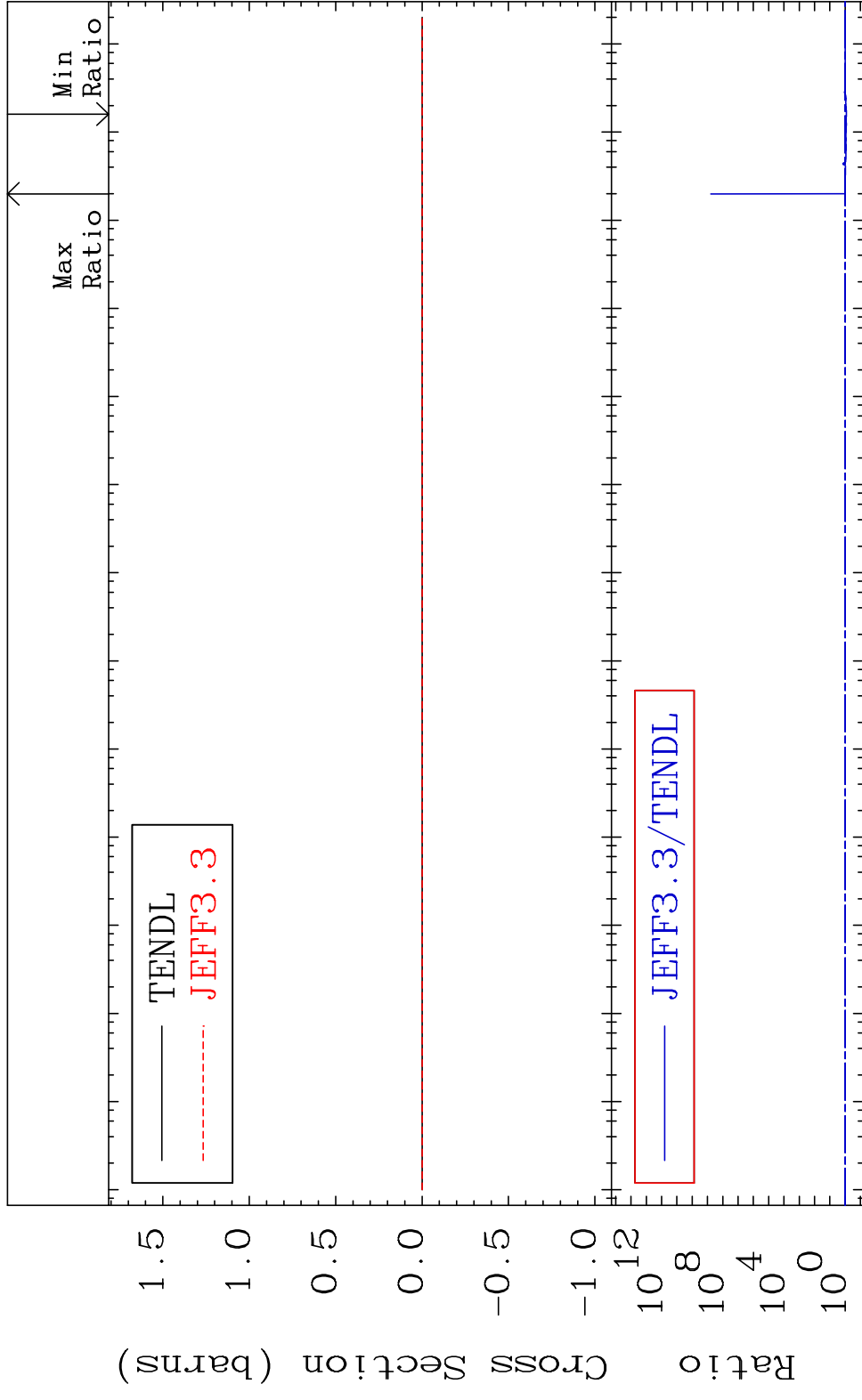
MAT 2028 Kerma non-elastic (all but mt2) 20-Ca-41
 Cross Section -94.90 To 54.73 %



MAT 2028 Kerma inelastic (mt51-91) 20-Ca-41
 Cross Section -16.36 To 9999. %



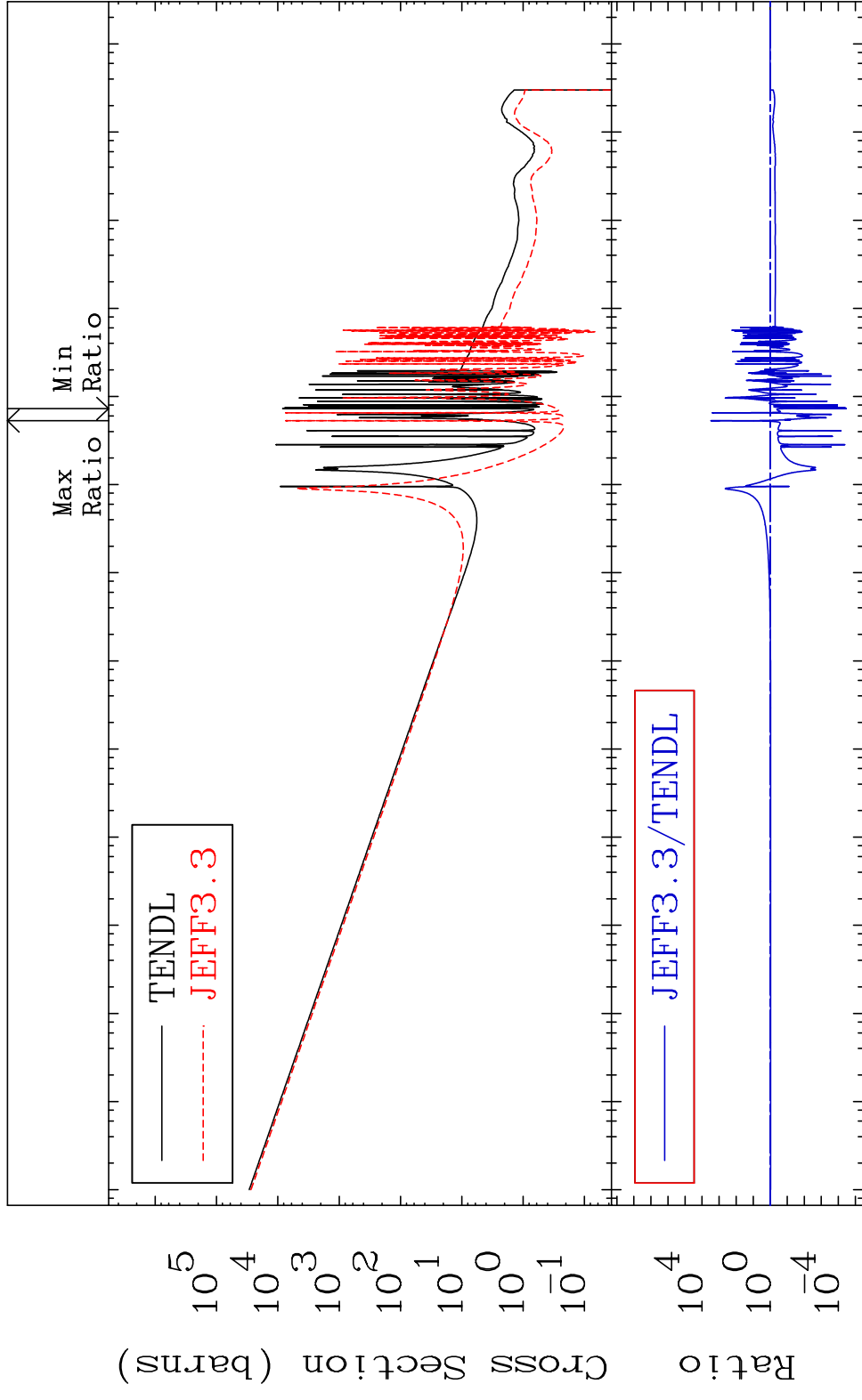
MAT 2028 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-41
 Cross Section -16.36 To 9999. %



68 Incident Energy (eV) 20-Ca-41

MAT 2028

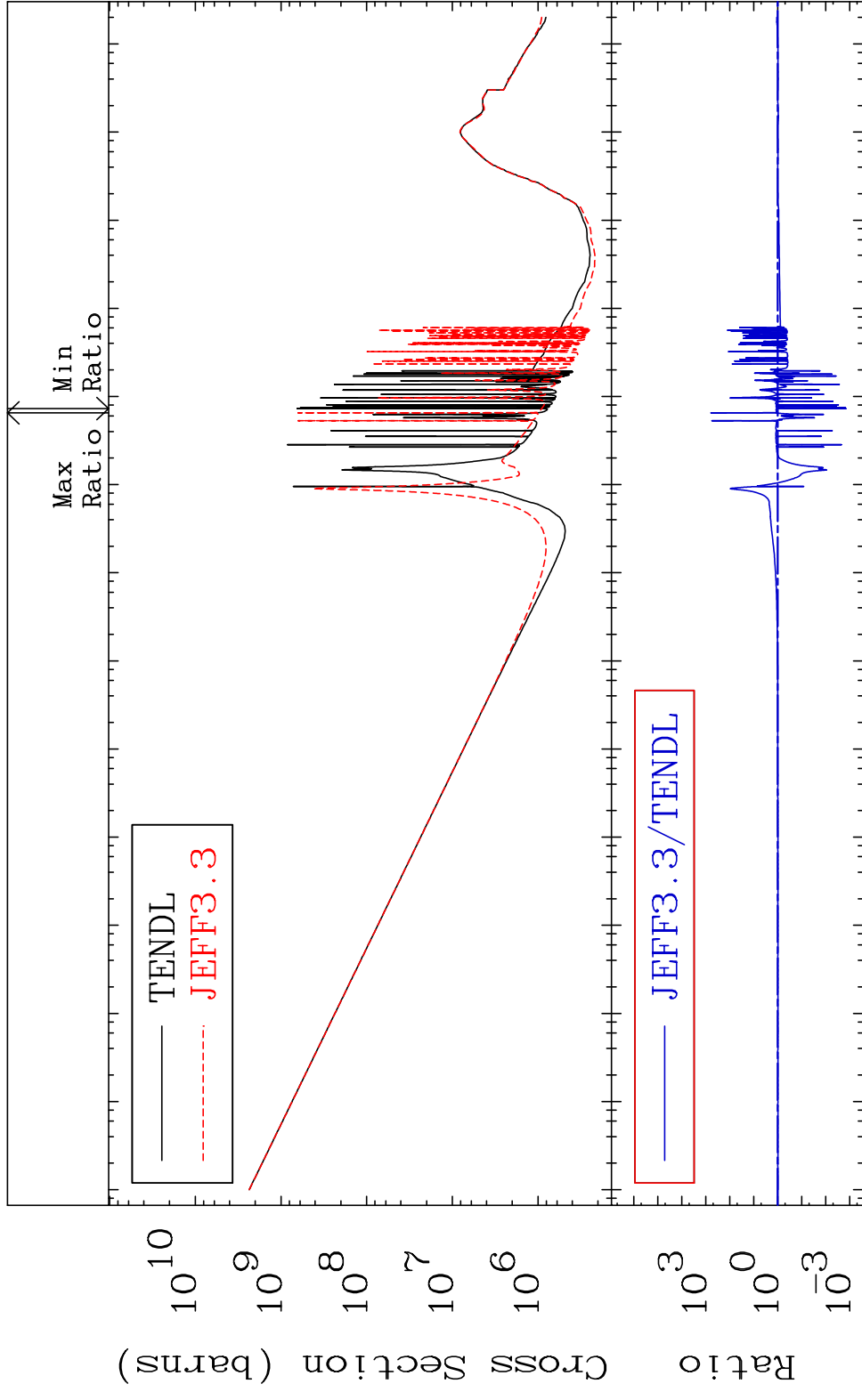
Kerma capture (mt102) 20-Ca-41
Cross Section -100.0 To 9999. %



69

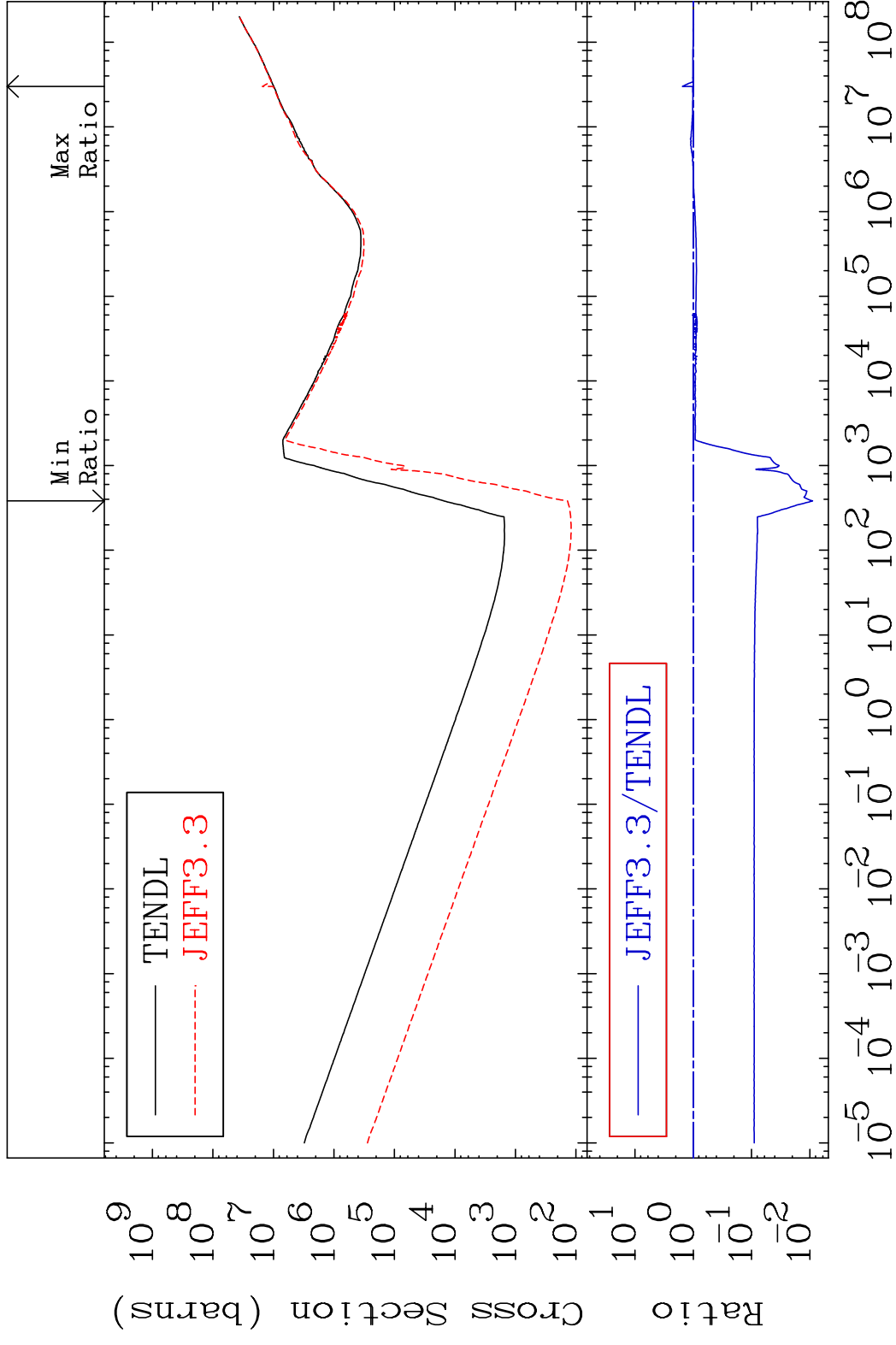
Incident Energy (eV) 20-Ca-41

MAT 2028 Total photon (eV-barns) 20-Ca-41
Cross Section -99.86 To 9999. %



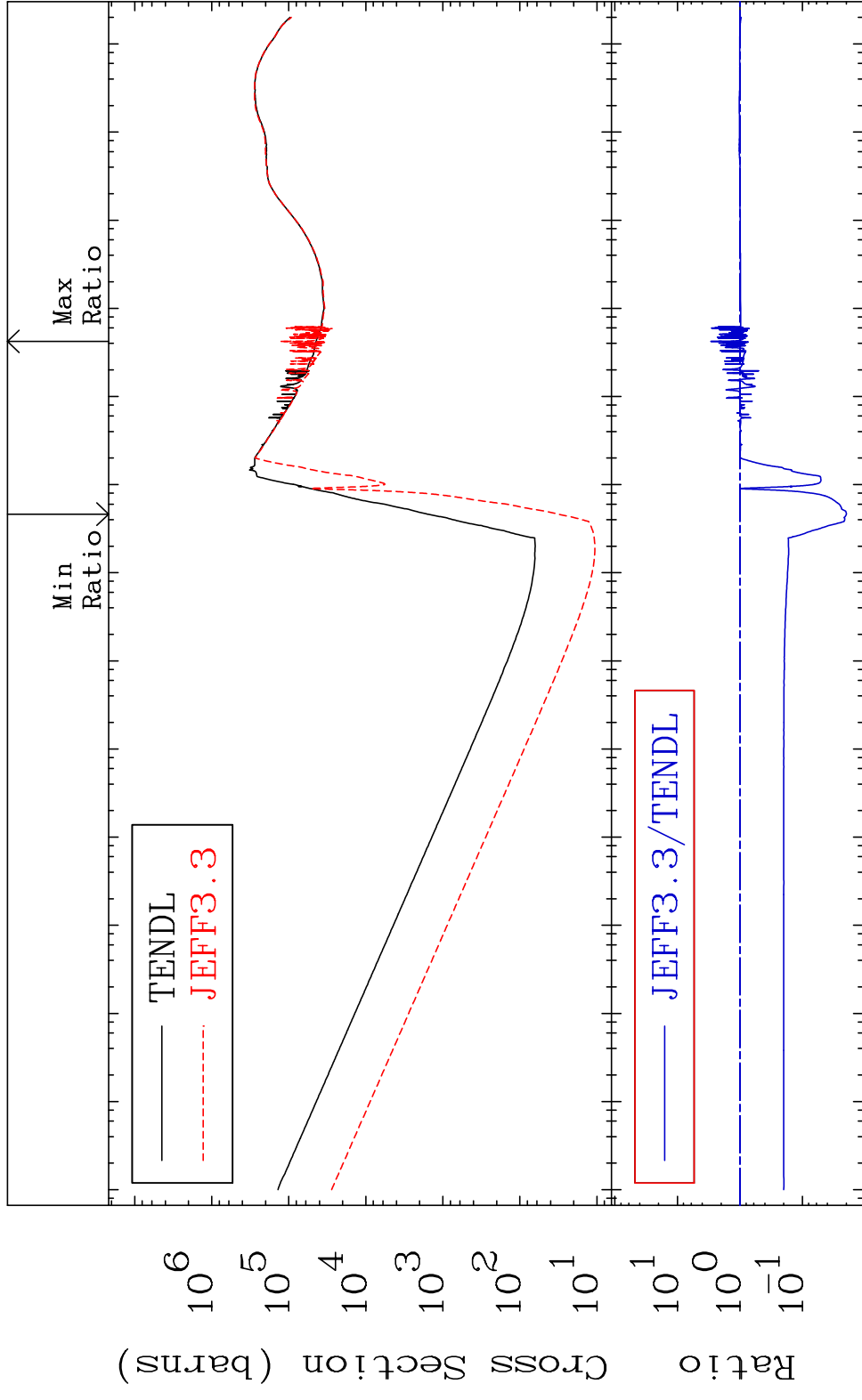
70 Incident Energy (eV) 20-Ca-41

MAT 2028 Total kinematic kerma (high limit) 20-Ca-41
Cross Section -99.10 To 53.68 %



71 Incident Energy (eV) 20-Ca-41

MAT 2028 Dpa total (eV-barns) 20-Ca-41
 Cross Section -98.00 To 193.5 %



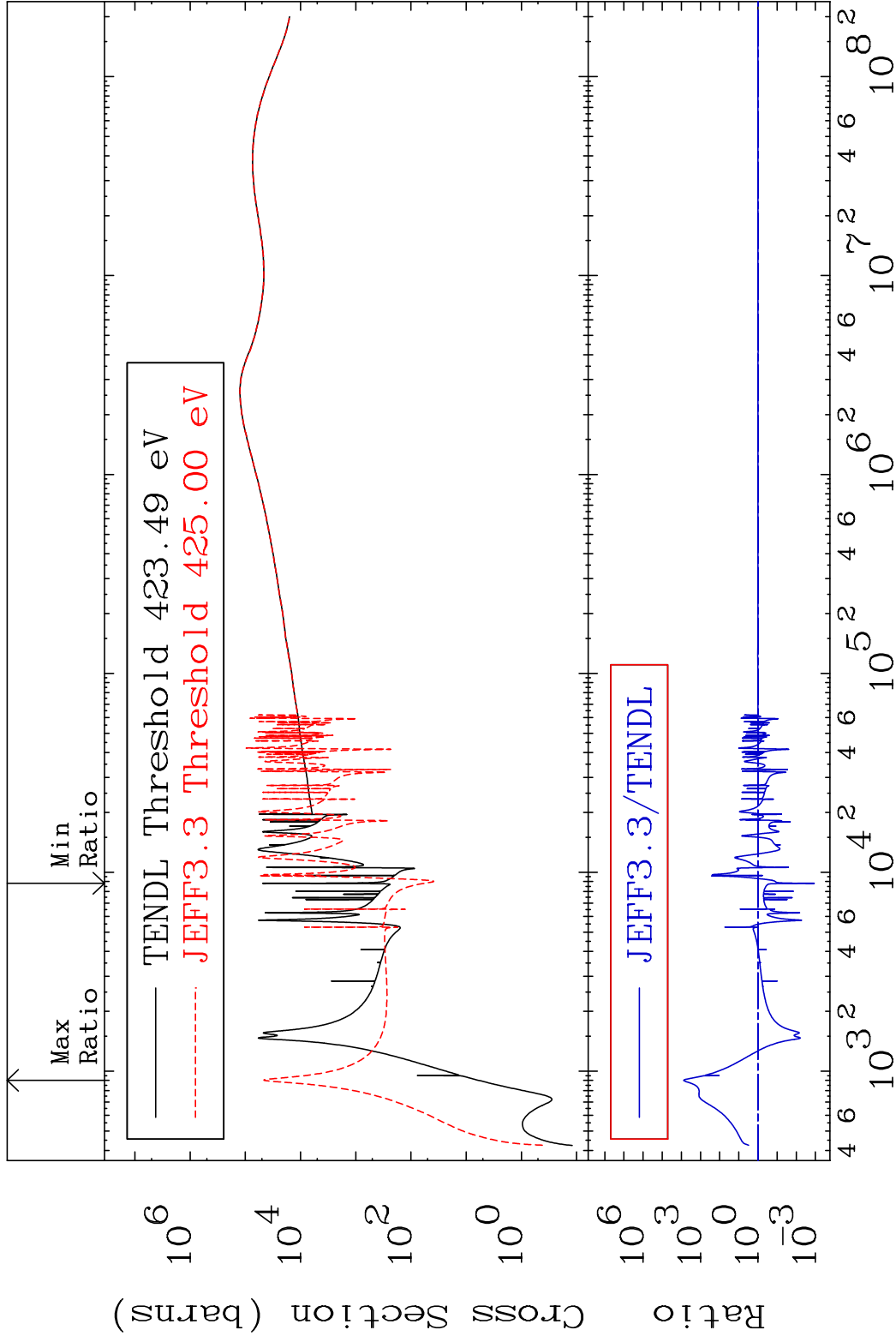
72 Incident Energy (eV) 20-Ca-41

MAT 2028

Dpa elastic (mt2)

20-Ca-41

Cross Section -99.88 To 9999. %

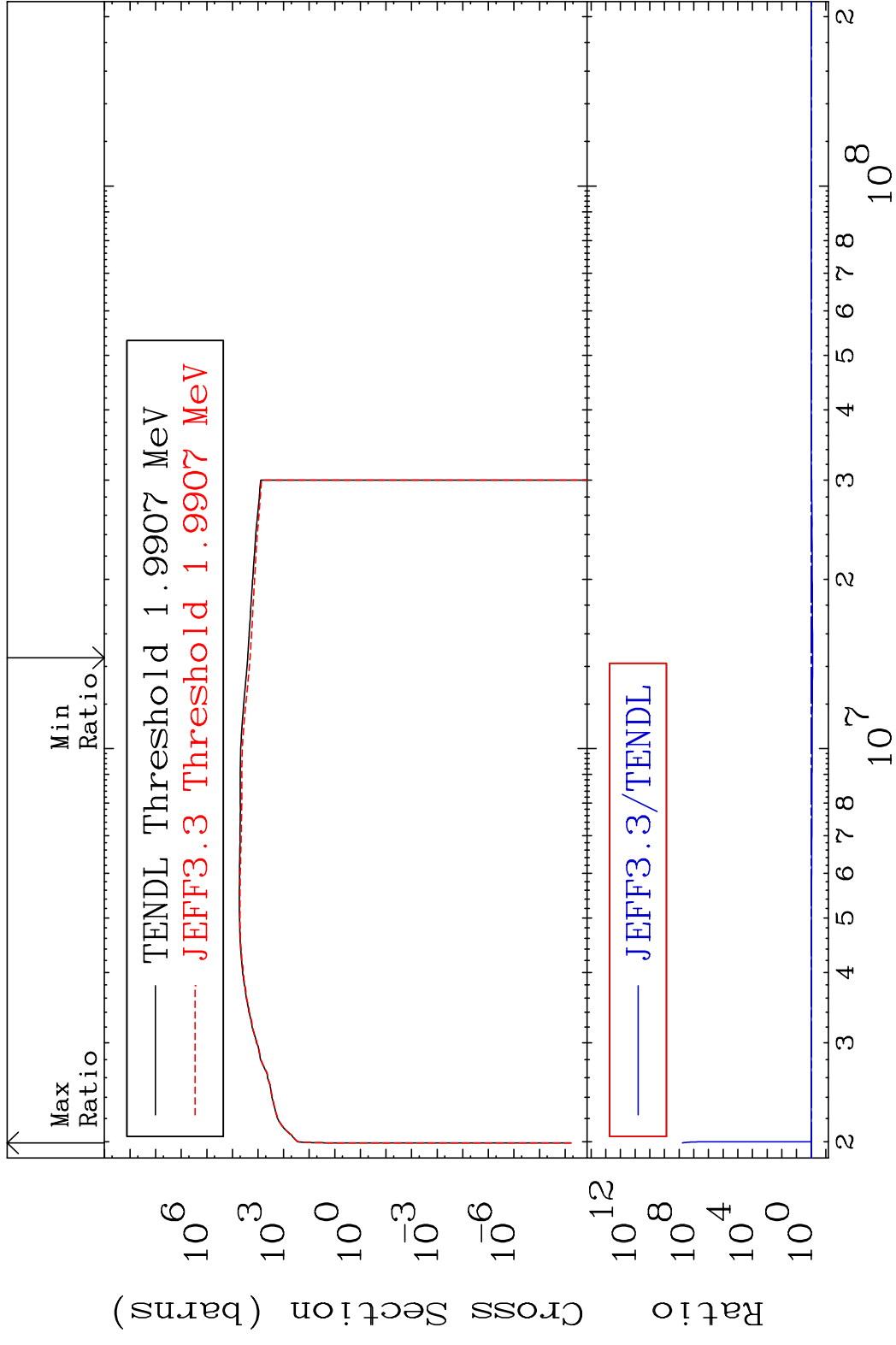


73

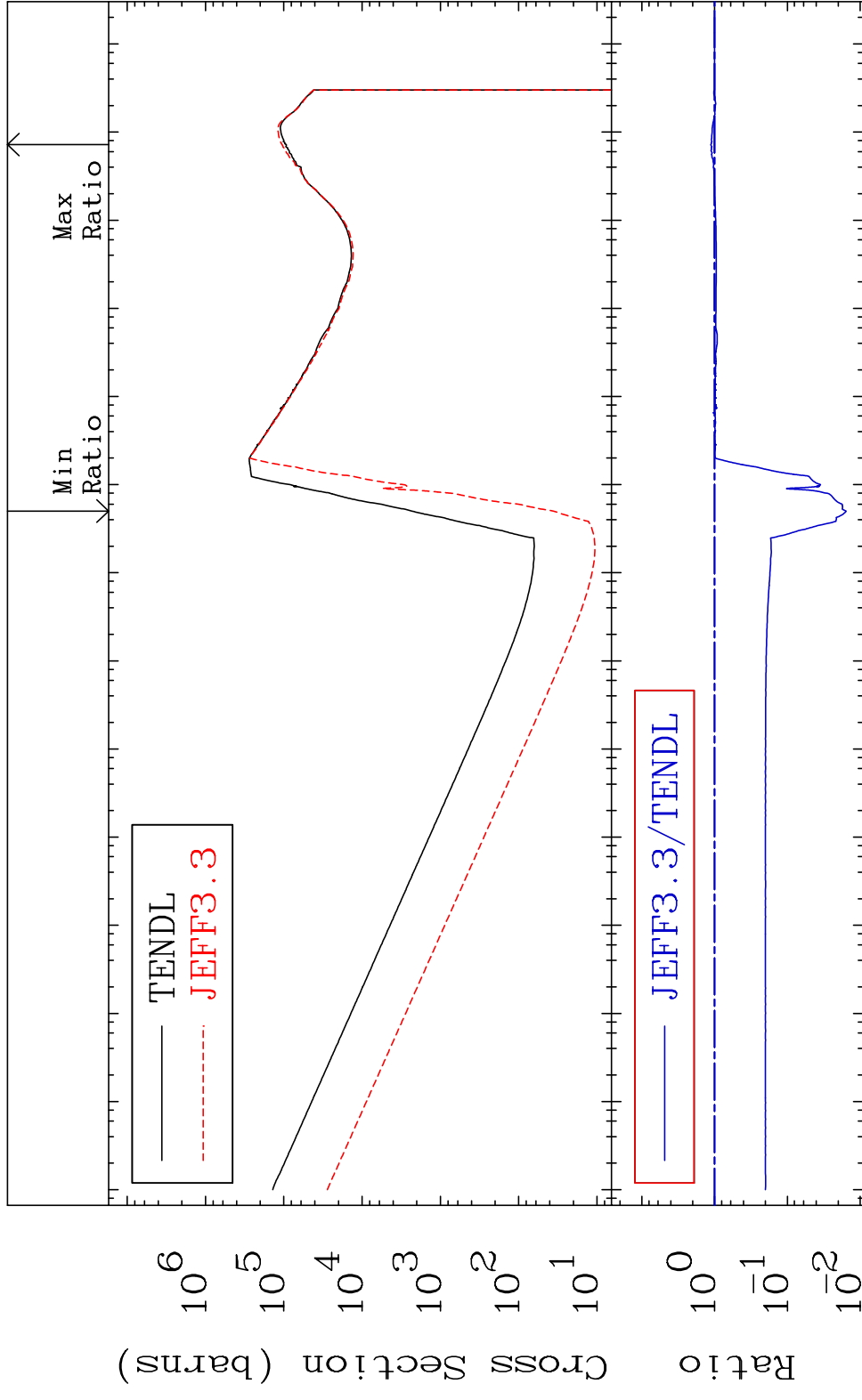
Incident Energy (eV)

20-Ca-41

MAT 2028 Dpa inelastic (mt51-91) 20-Ca-41
 Cross Section -19.50 To 9999. %

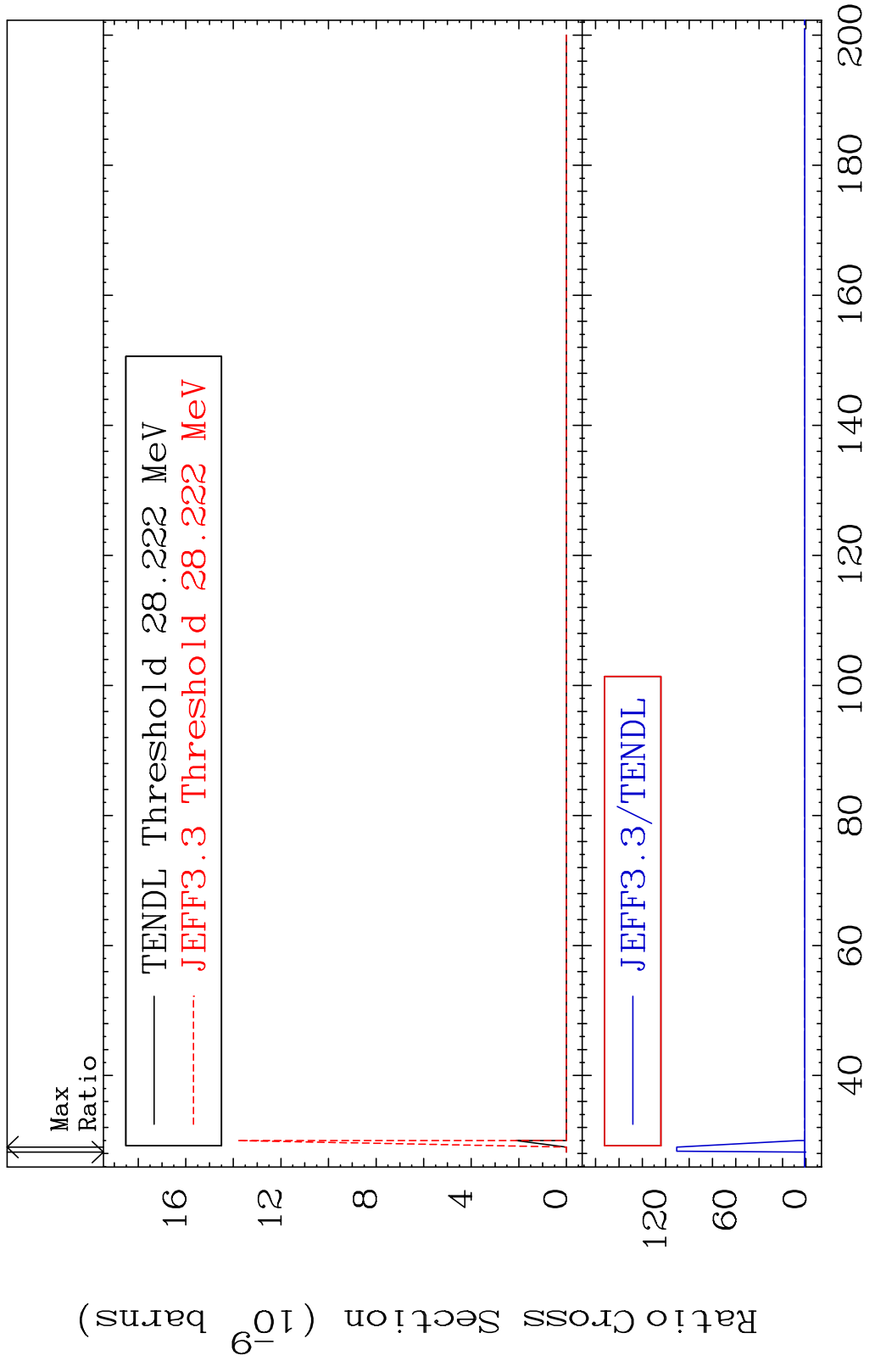


MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41
 Cross Section -98.45 To 13.25 %

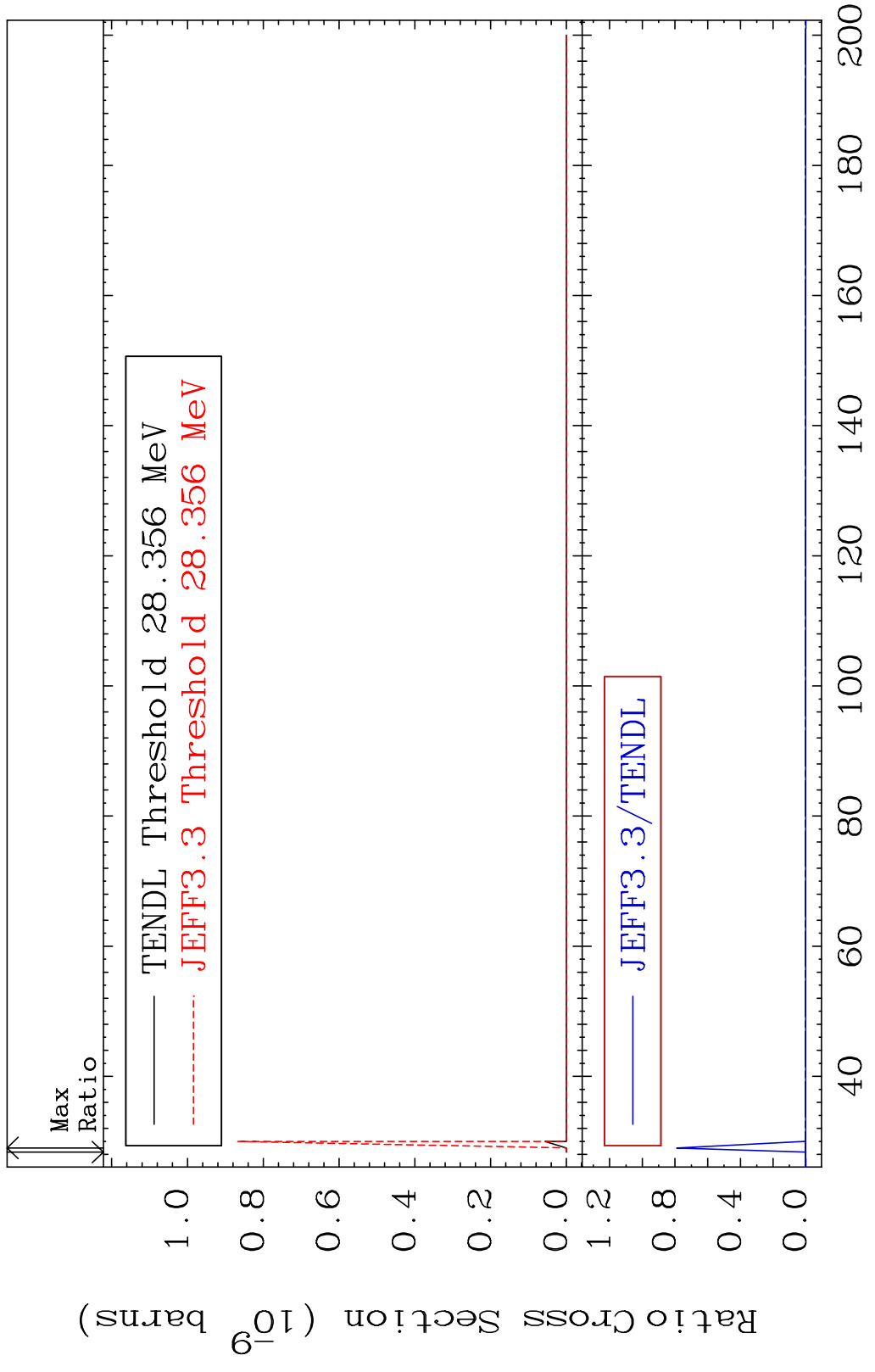


75 Incident Energy (eV) 20-Ca-41

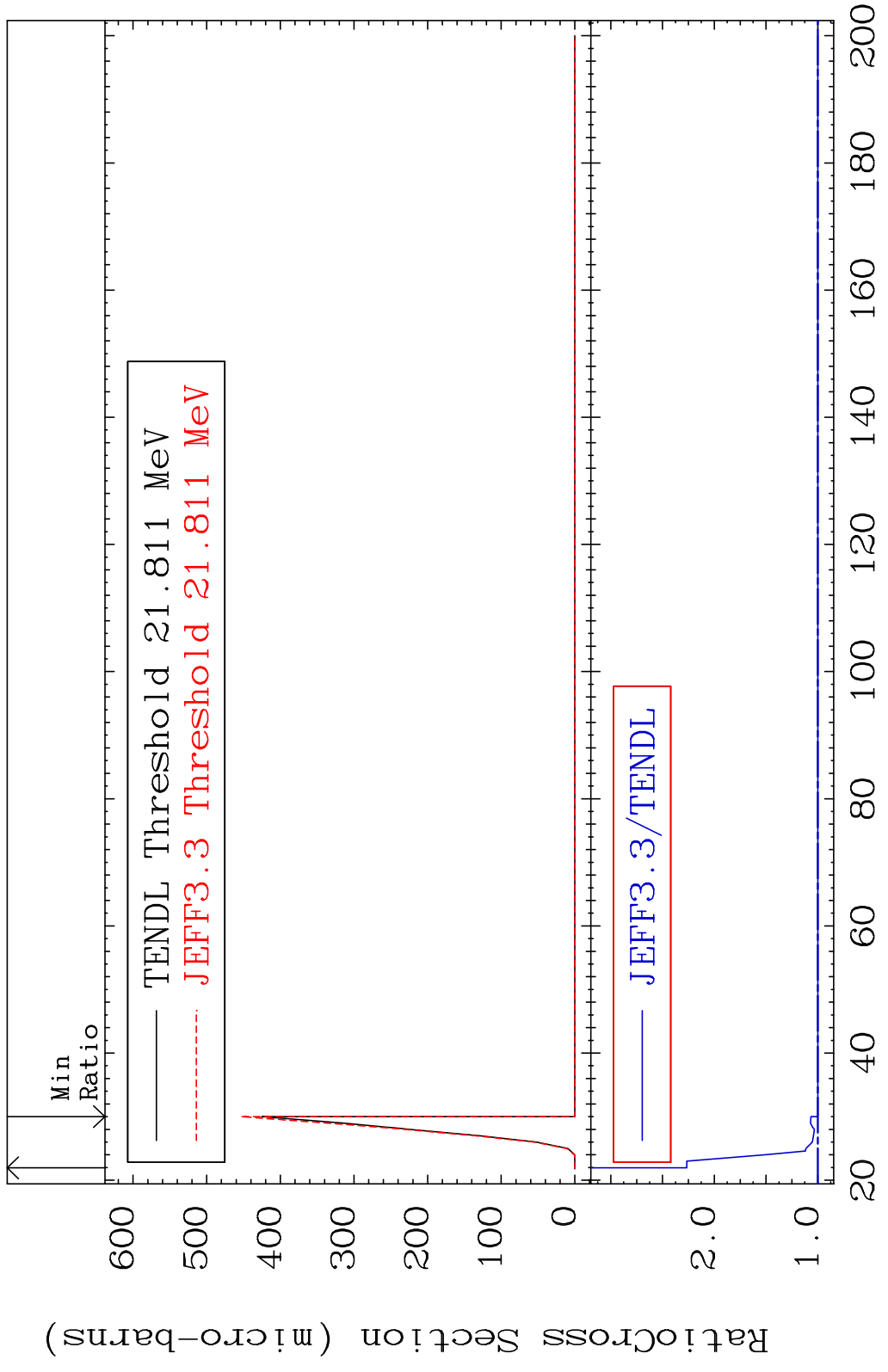
MAT 2028 (n,2n) d:19-K -38g 20-Ca-41
 Radionuclide Production Cross Section Ratio 9999. %



MAT 2028 (n,2n) d:19-K -38m1 20-Ca-41
 Radionuclide Production Cross Section 18000 dno 9999. %



MAT 2028 (n, n') t:19-K -38g 20-Ca-41
 Radionuclide Production Cross Section 126.6 %



MAT 2028 (n, n') t:19-K -38m1 20-Ca-41
 Radionuclide Production Cross Section 180c0i d10 445.6 %

