

Program Complot
(Version 2021-1)

by

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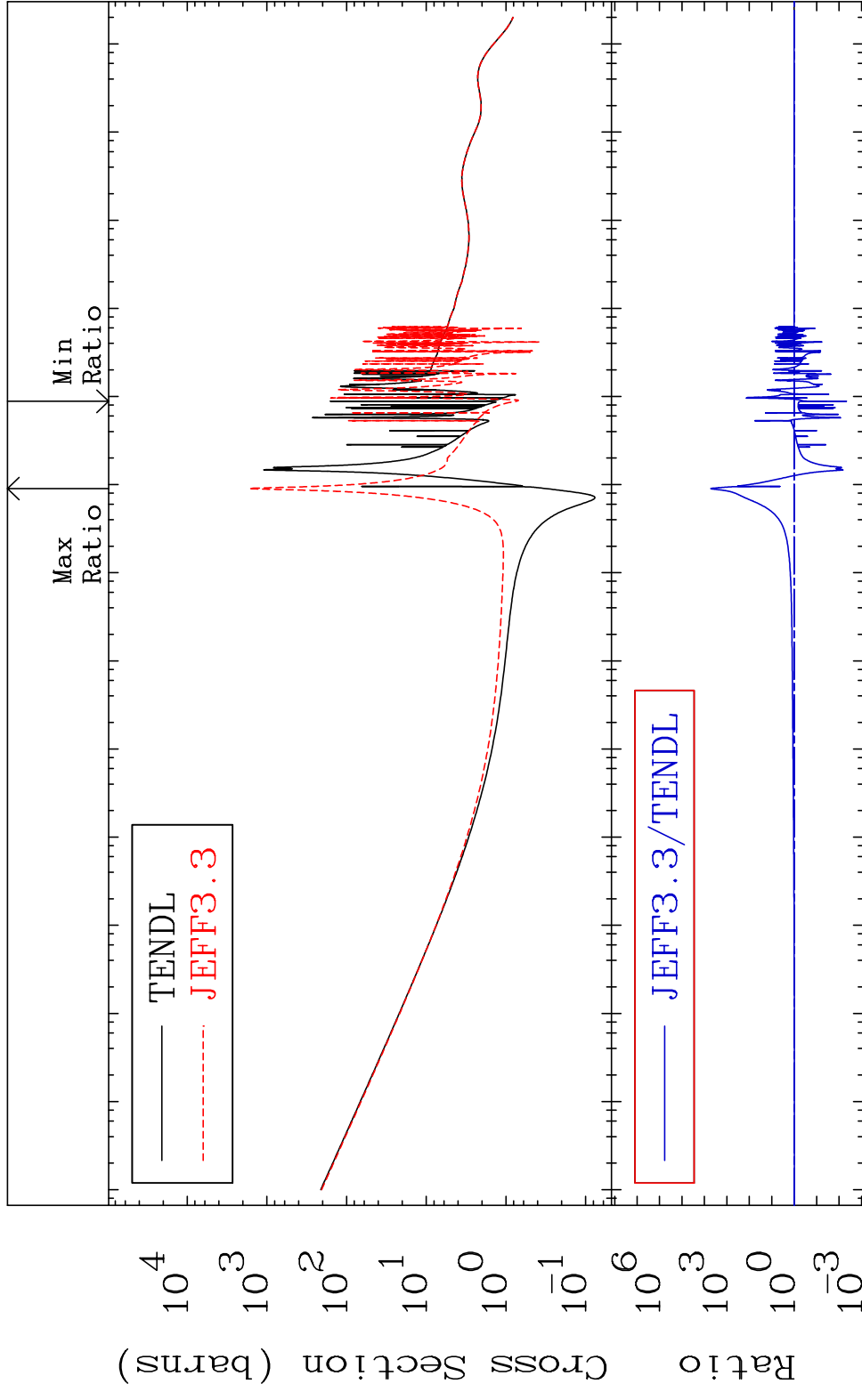
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 2028

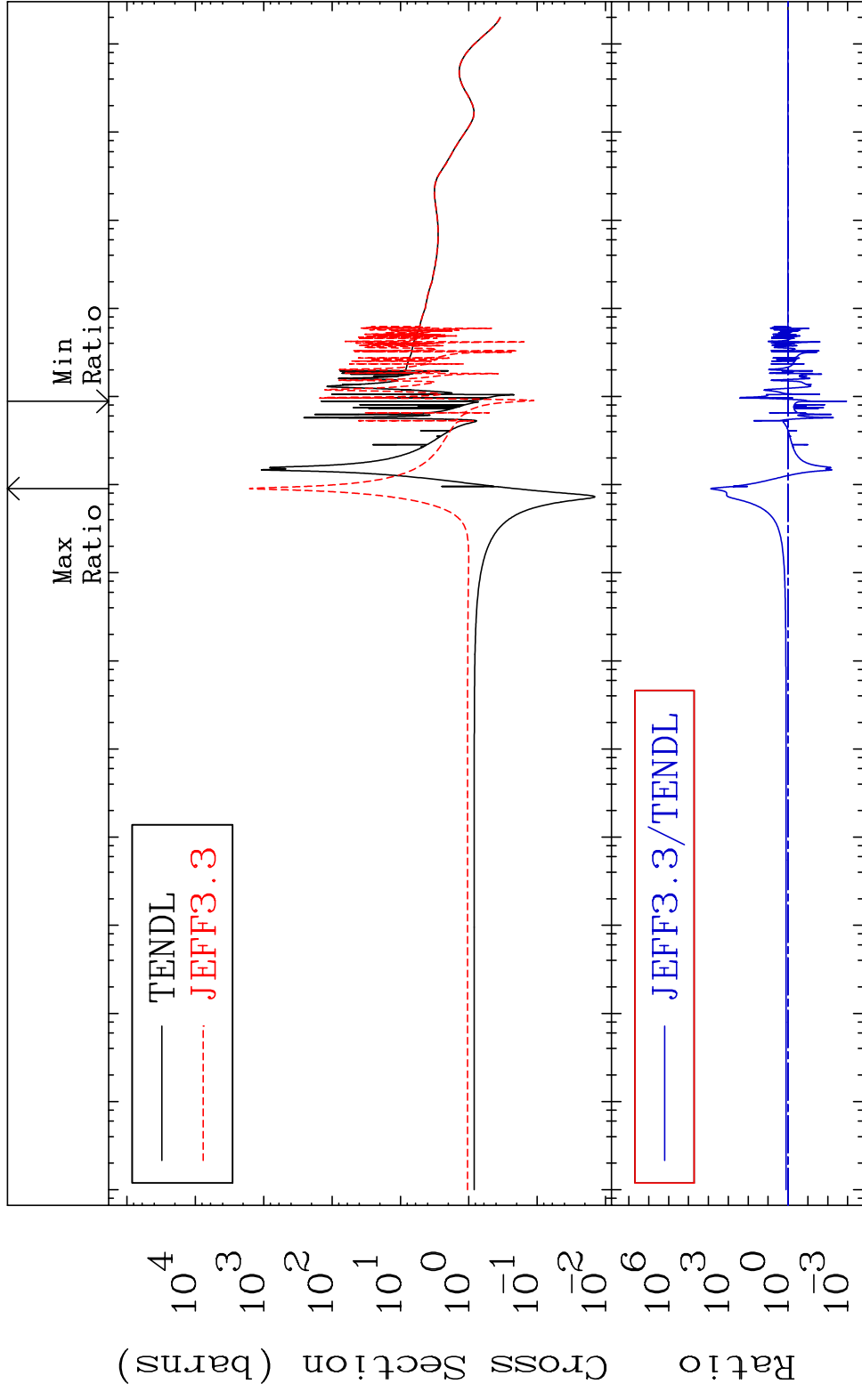
Total Cross Section
20-Ca-41
-99.53 To 9999. %



1 Incident Energy (eV) 20-Ca-41

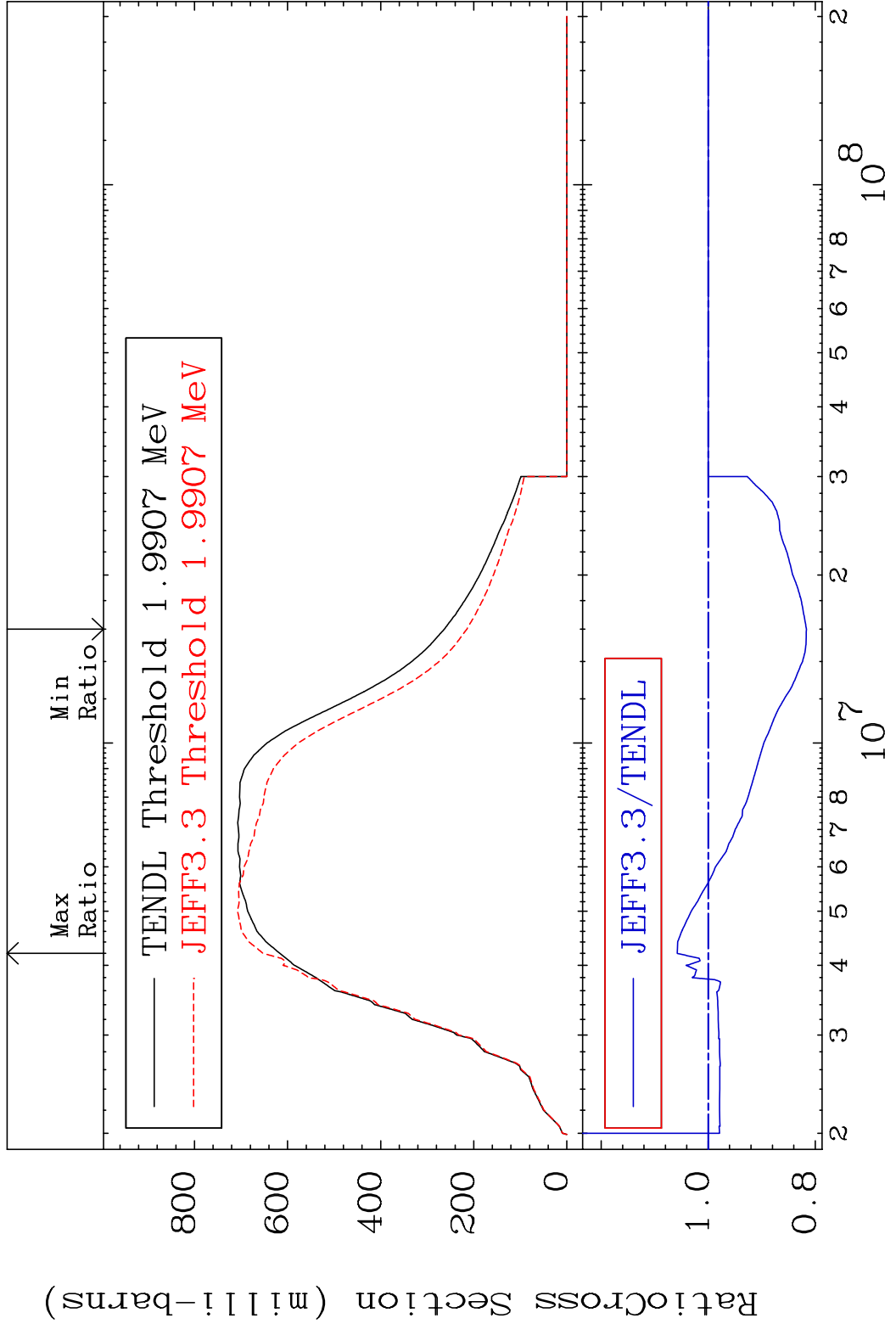
MAT 2028

Elastic Cross Section 20-Ca-41
-99.88 To 9999. %



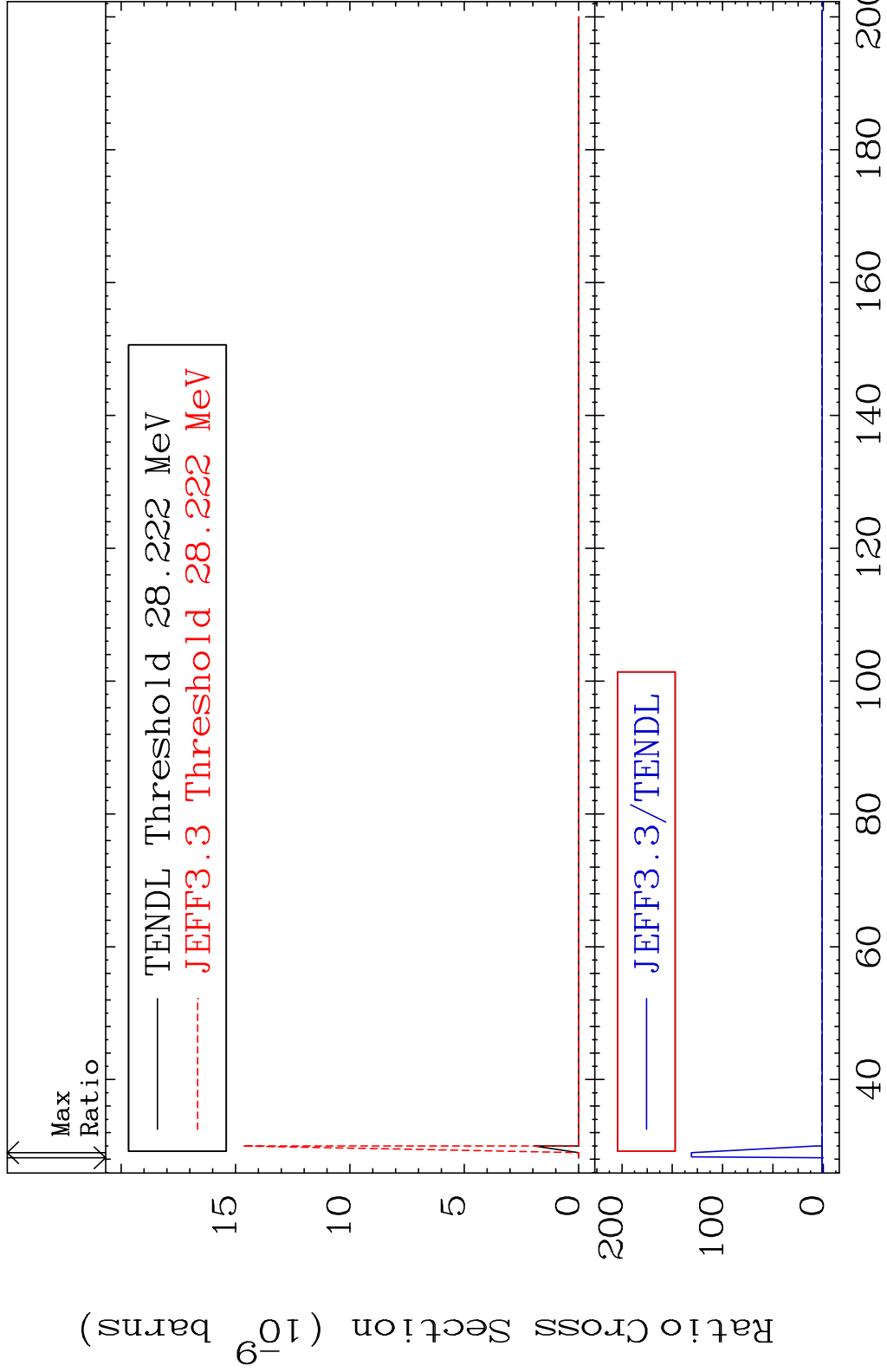
Incident Energy (eV) 20-Ca-41

MAT 2028 Inelastic Cross Section -18.35 To 5.797 % 20-Ca-41



3 3 Incident Energy (eV) 20-Ca-41

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



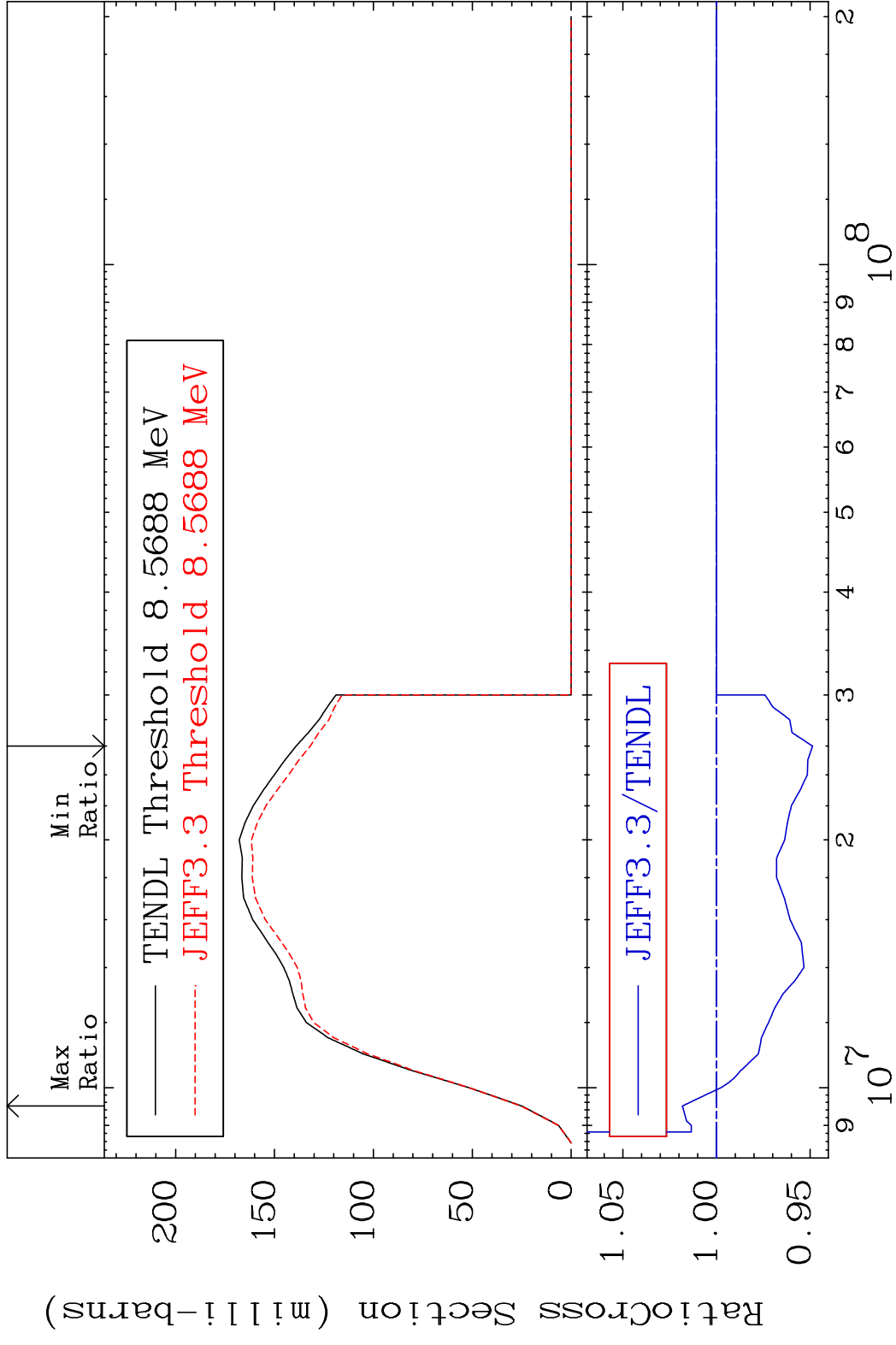
4 Incident Energy (MeV) 20-Ca-41

MAT 2028

(n,2n)

20-Ca-41

Cross Section -5.133 To 1.824 %

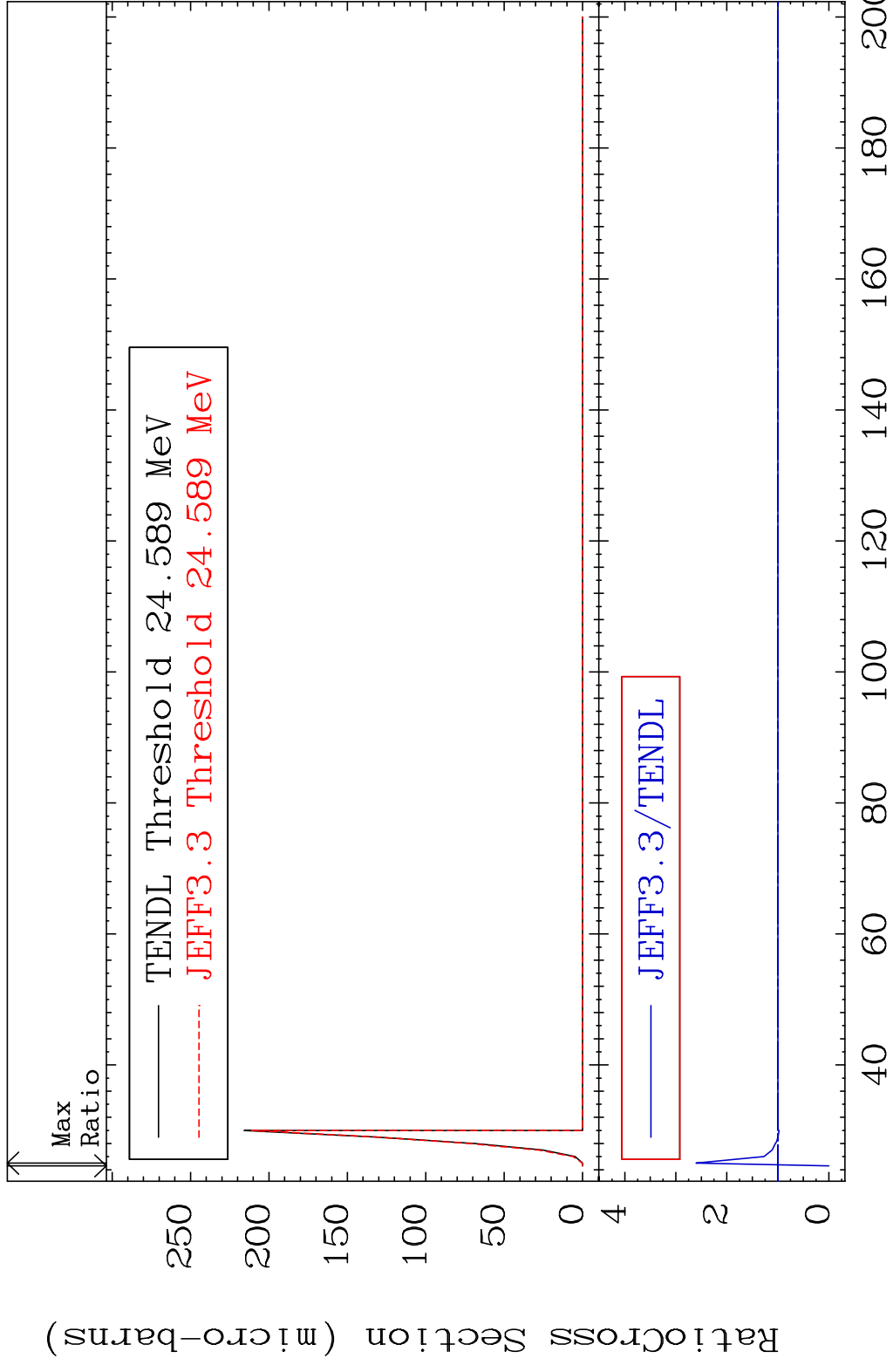


5

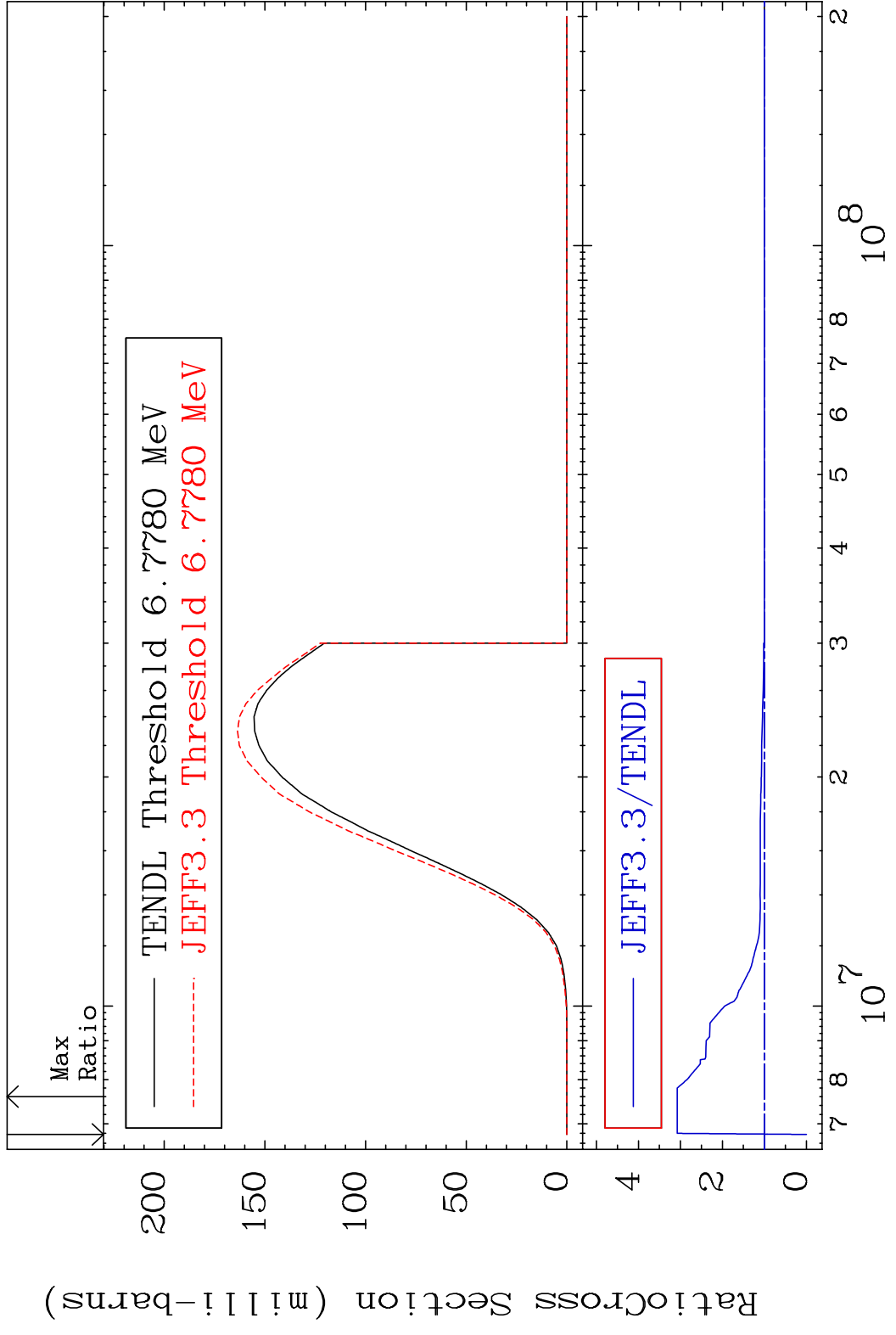
Incident Energy (eV)

20-Ca-41

MAT 2028 (n,3n) 20-Ca-41
 Cross Section -100.0 To 160.4 %

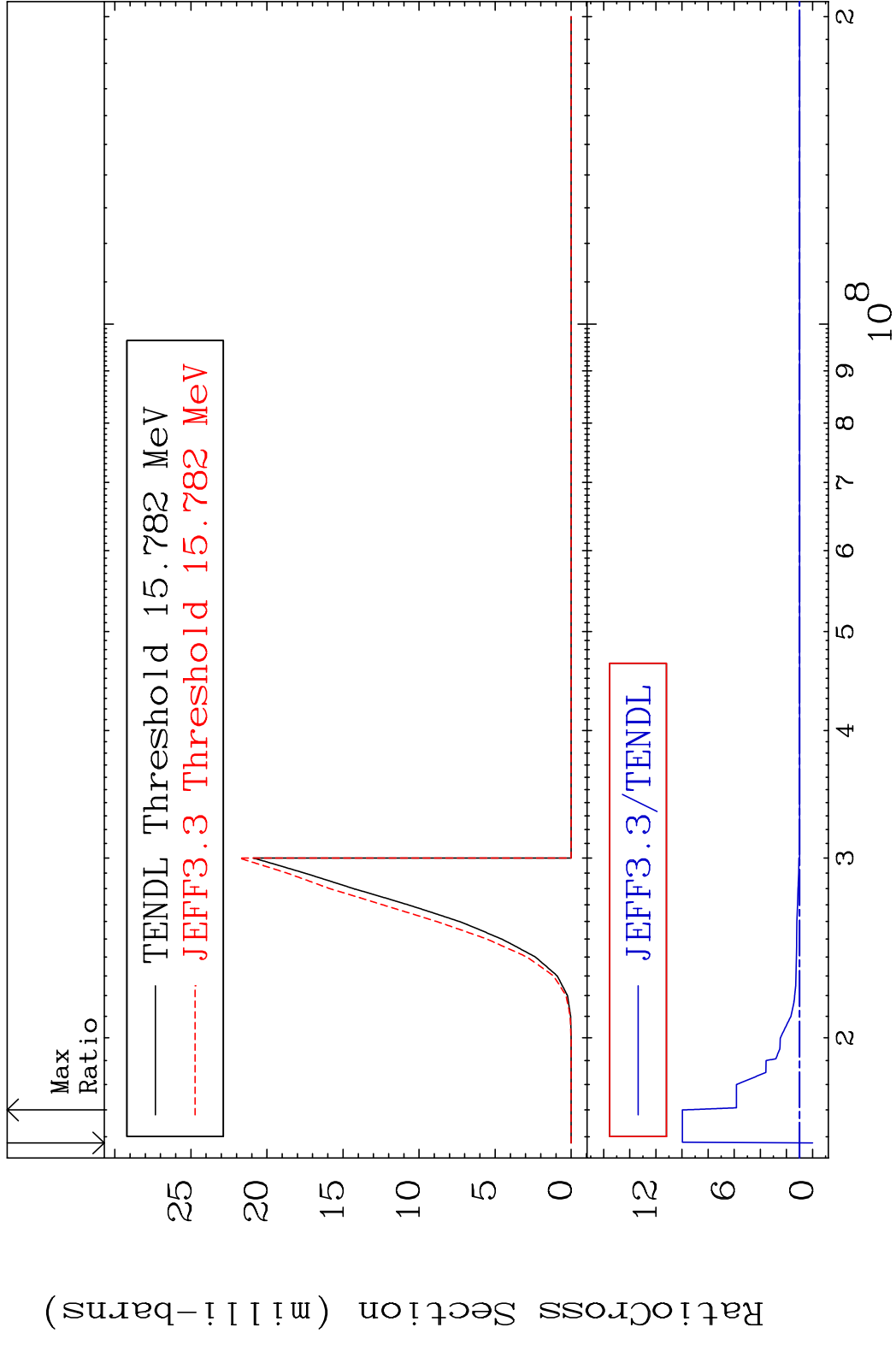


MAT 2028 (n, n') α 20-Ca-41
 Cross Section -100.0 To 207.7 %



7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2

MAT 2028 (n,2n) α 20-Ca-41
 Cross Section -100.0 To 897.5 %

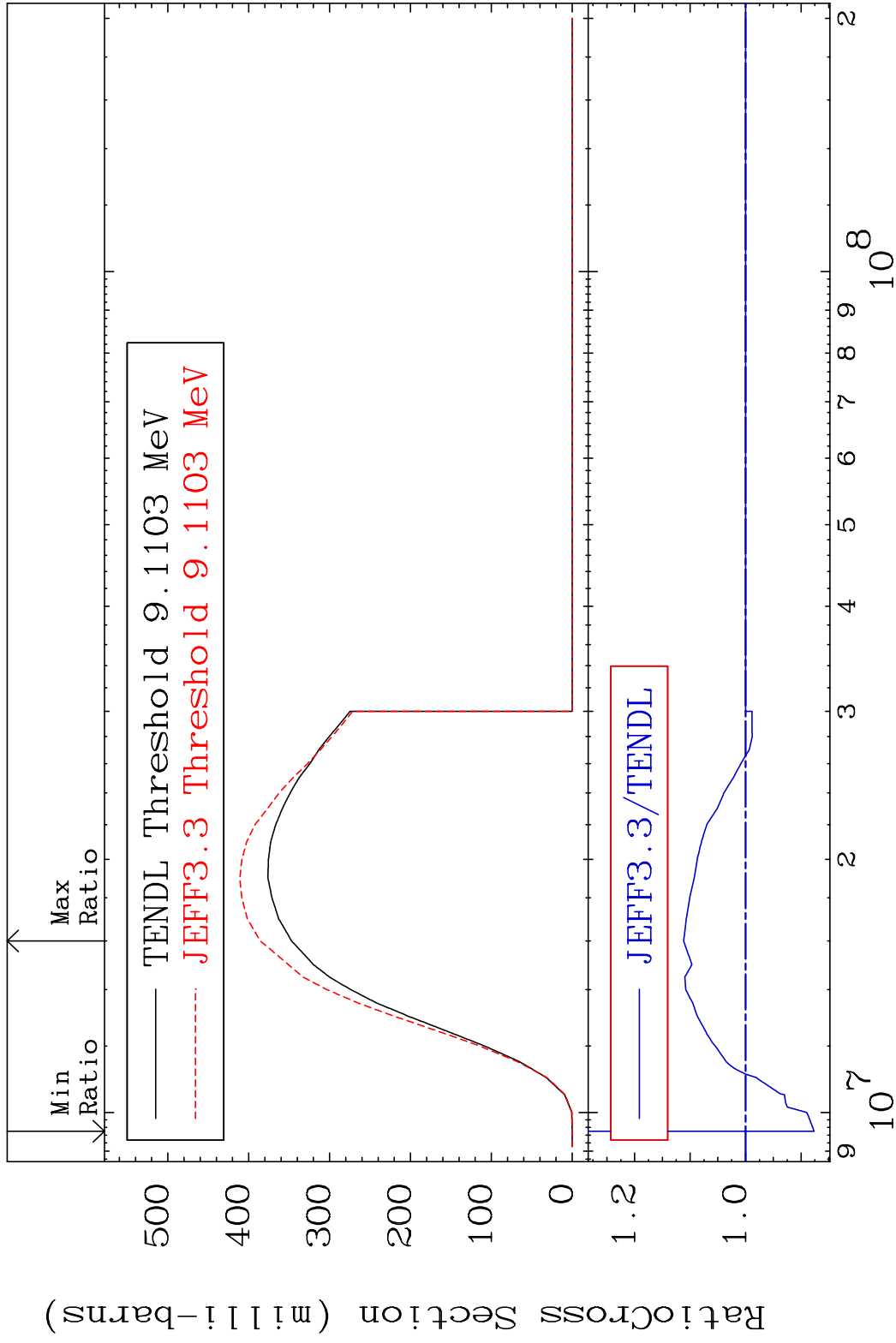


MAT 2028

(n, n') p

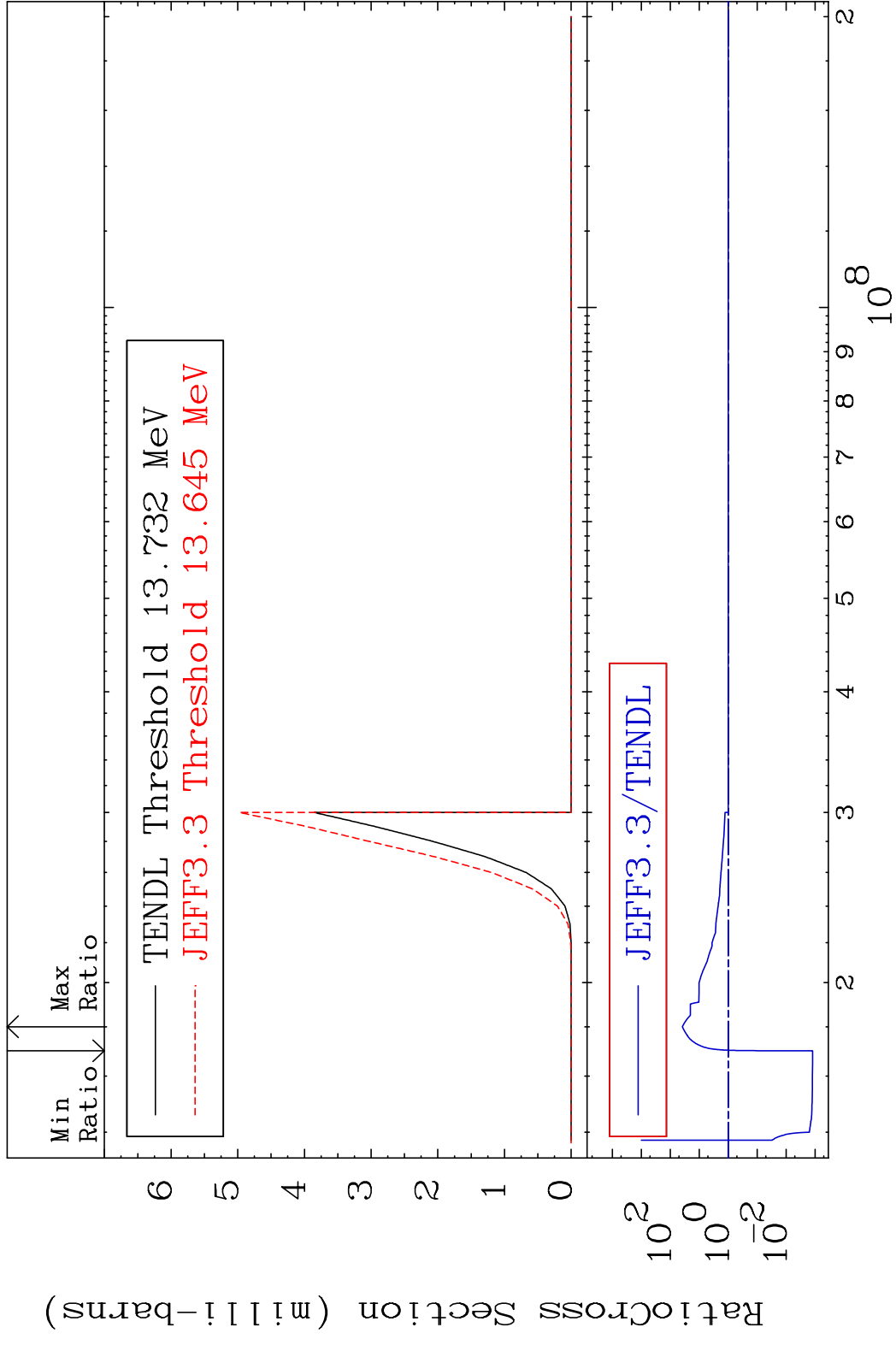
20-Ca-41

Cross Section -12.35 To 11.16 %



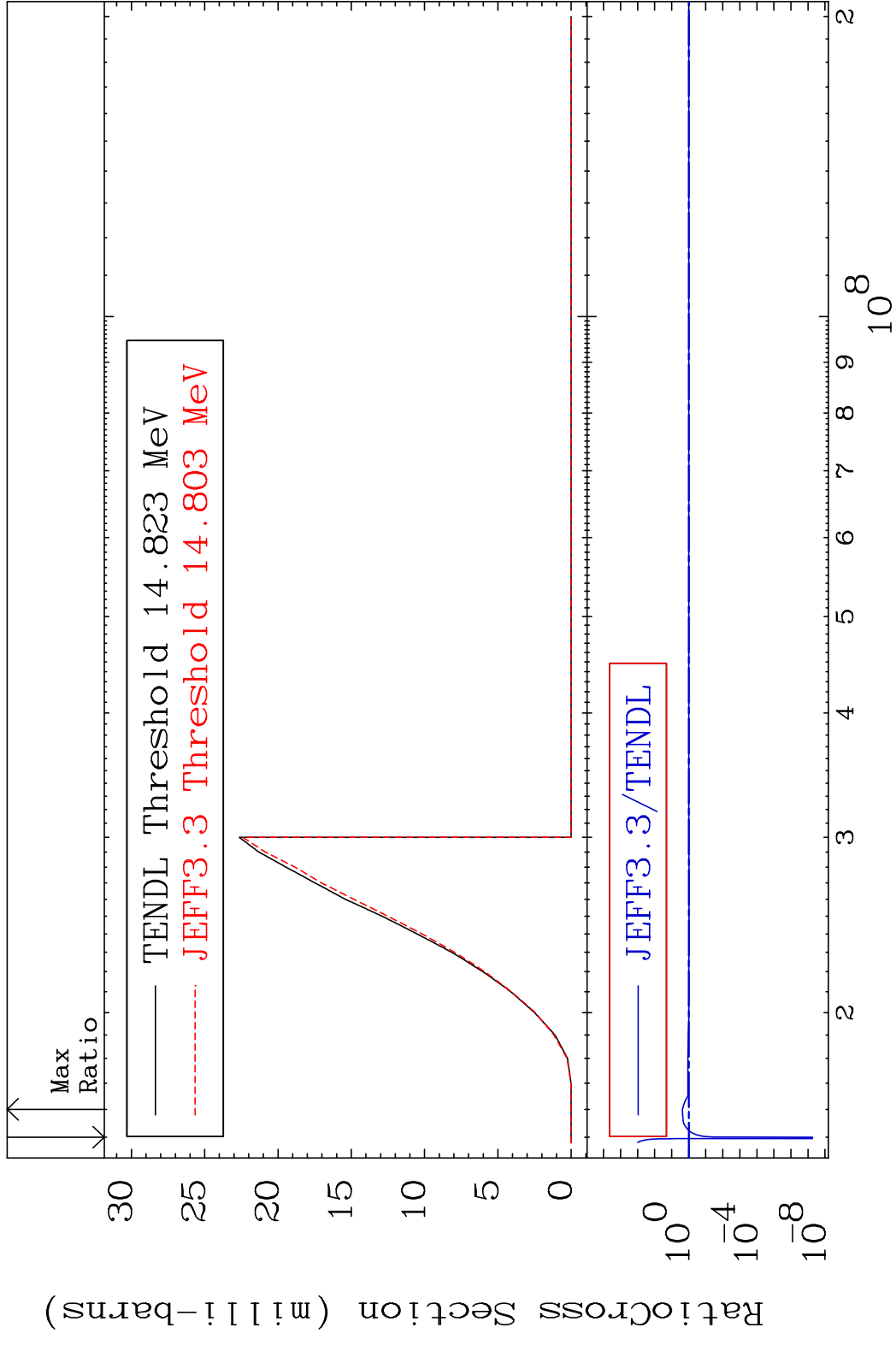
Incident Energy (eV) 20-Ca-41

MAT 2028 (n, n') 2α 20-Ca-41
 Cross Section -99.88 To 3721. %



10 Incident Energy (eV) 20-Ca-41

MAT 2028 (n, n') d 20-Ca-41
 Cross Section -100.0 To 136.0 %

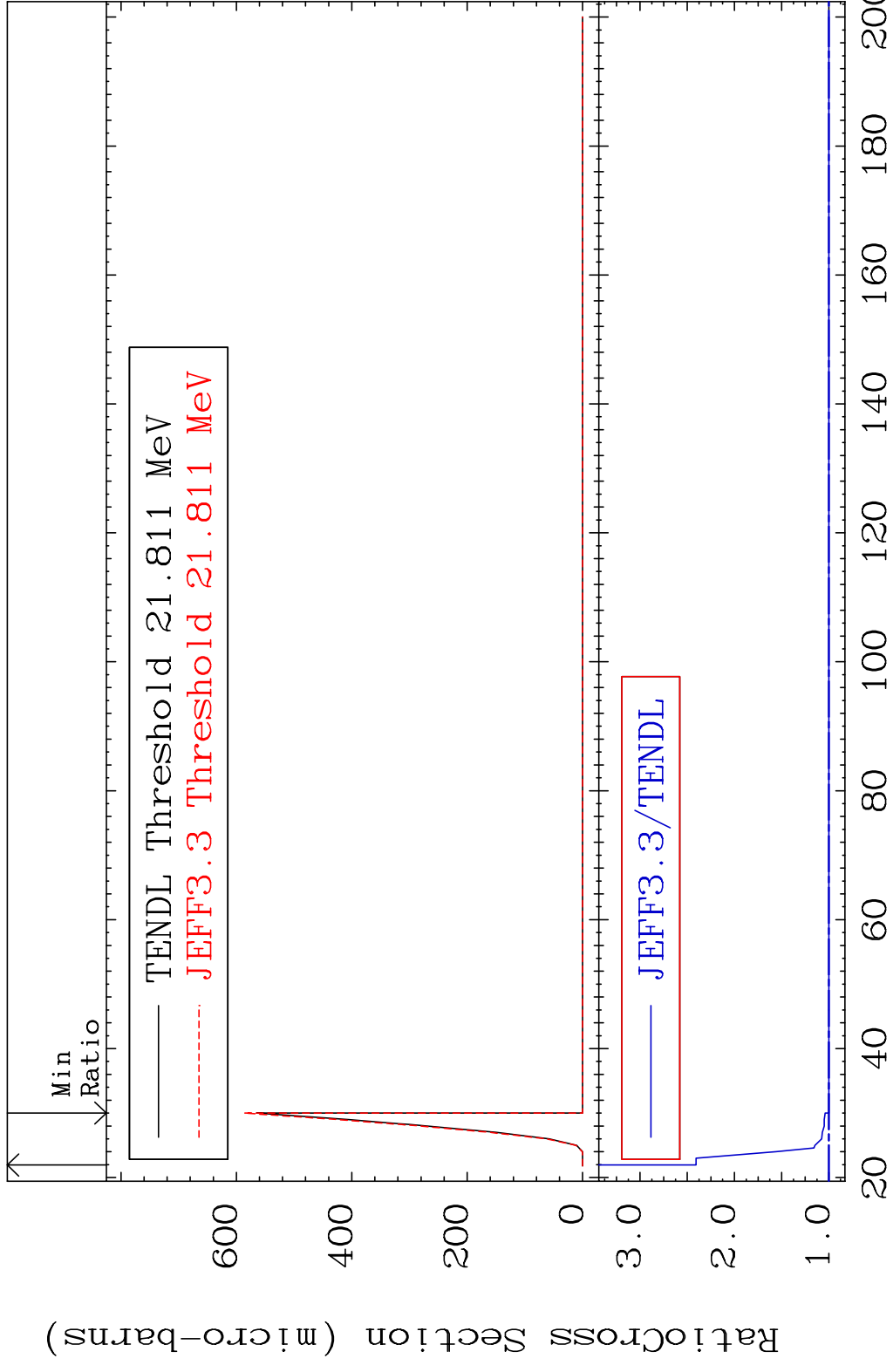


MAT 2028

(n, n') t

20-Ca-41

Cross Section 0.000 To 140.7 %

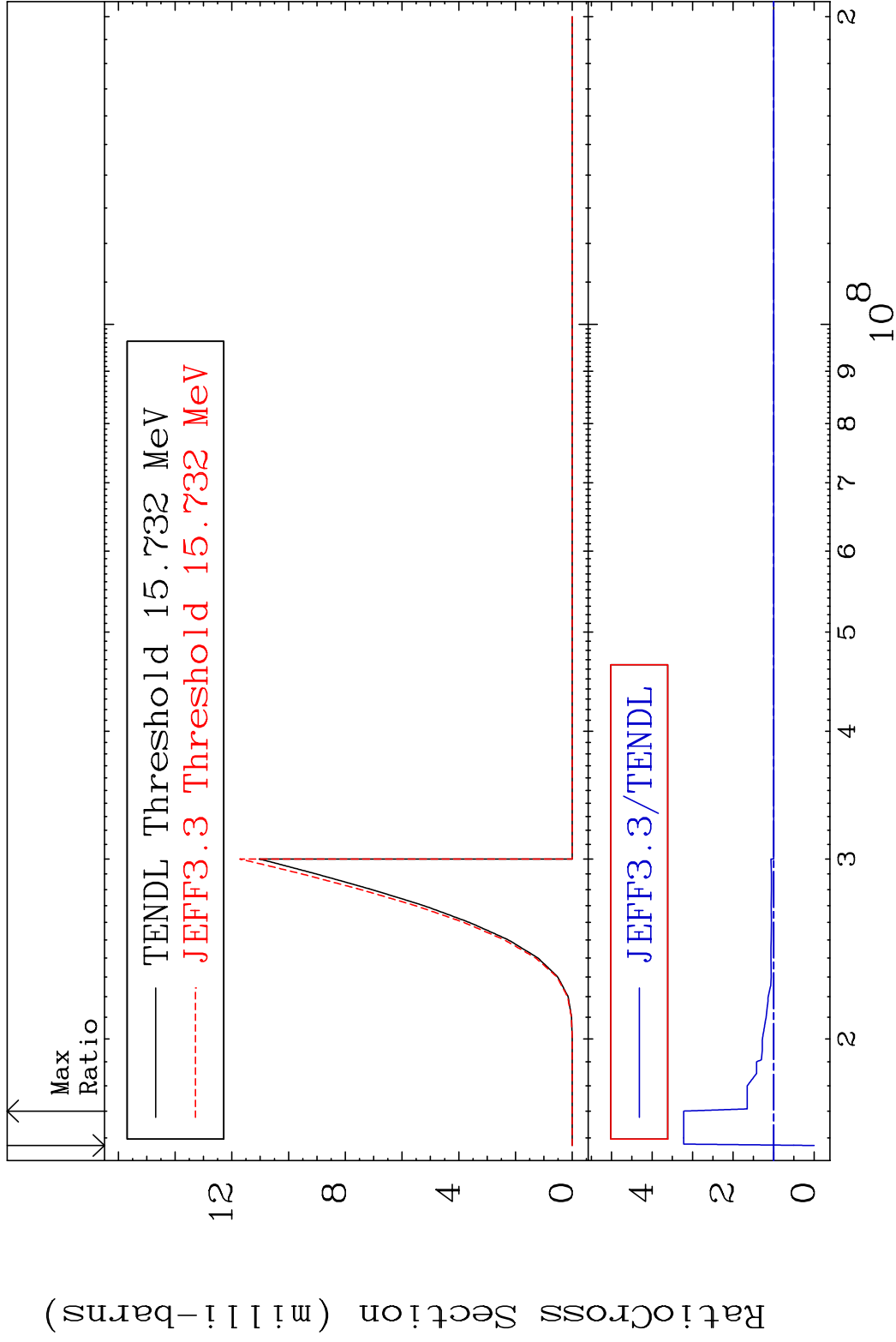


MAT 2028

(n,n') He-3

20-Ca-41

Cross Section -100.0 To 222.1 %



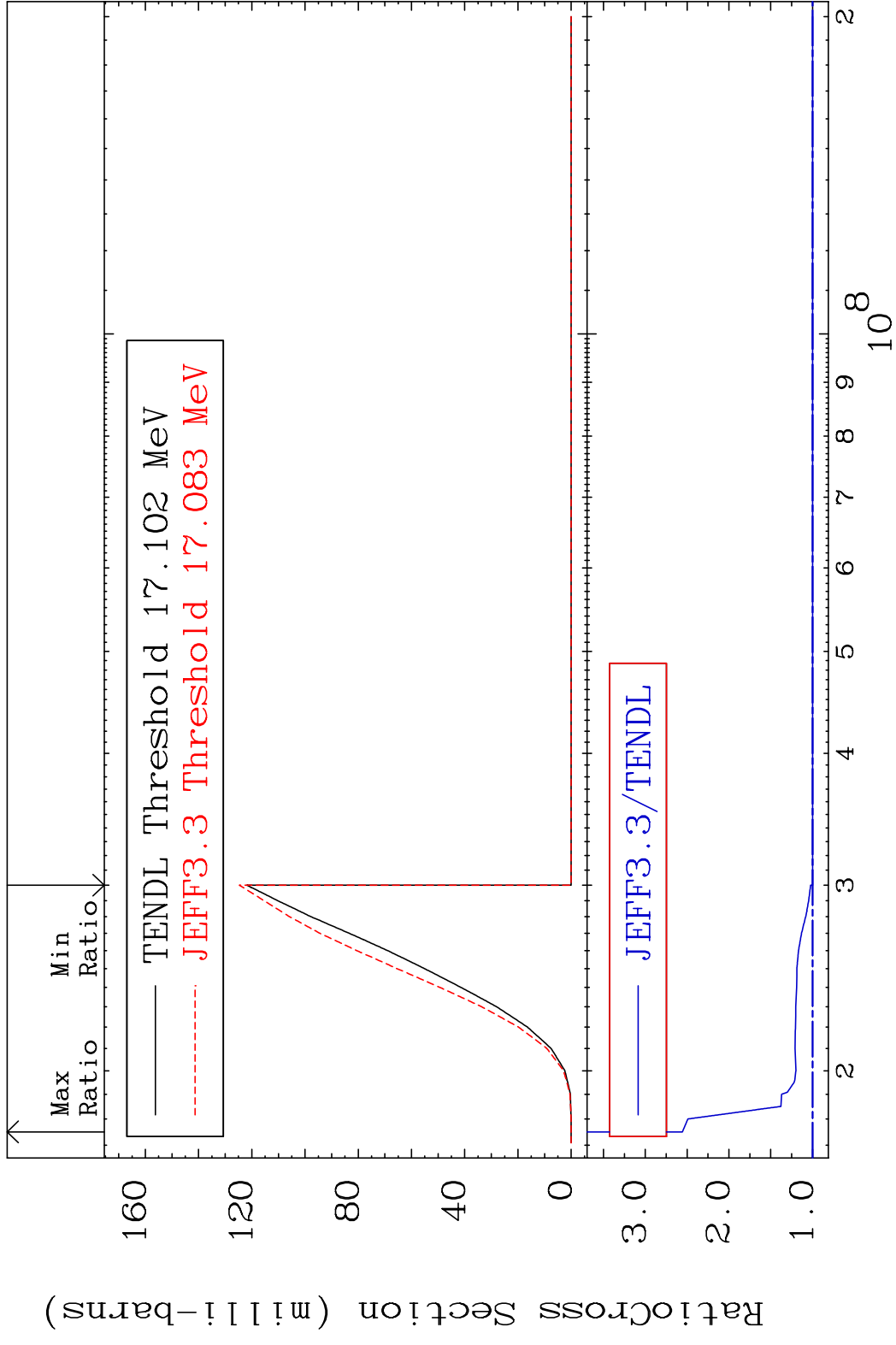
13

Incident Energy (eV)

20-Ca-41

MAT 2028

(n,2n) p 20-Ca-41
Cross Section 0.000 To 155.7 %

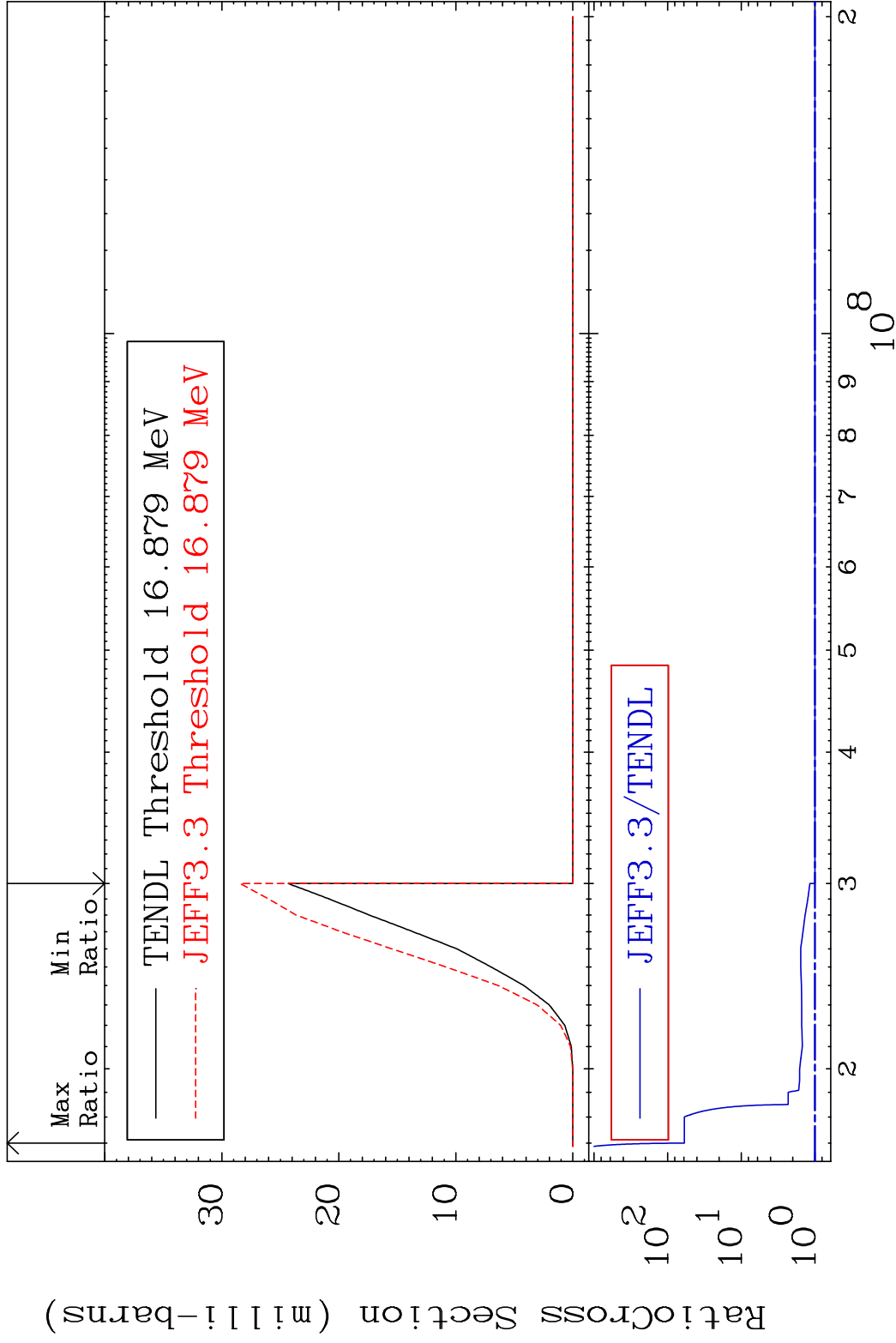


MAT 2028

(n,2n) p

20-Ca-41

Cross Section 0.000 To 5837. %

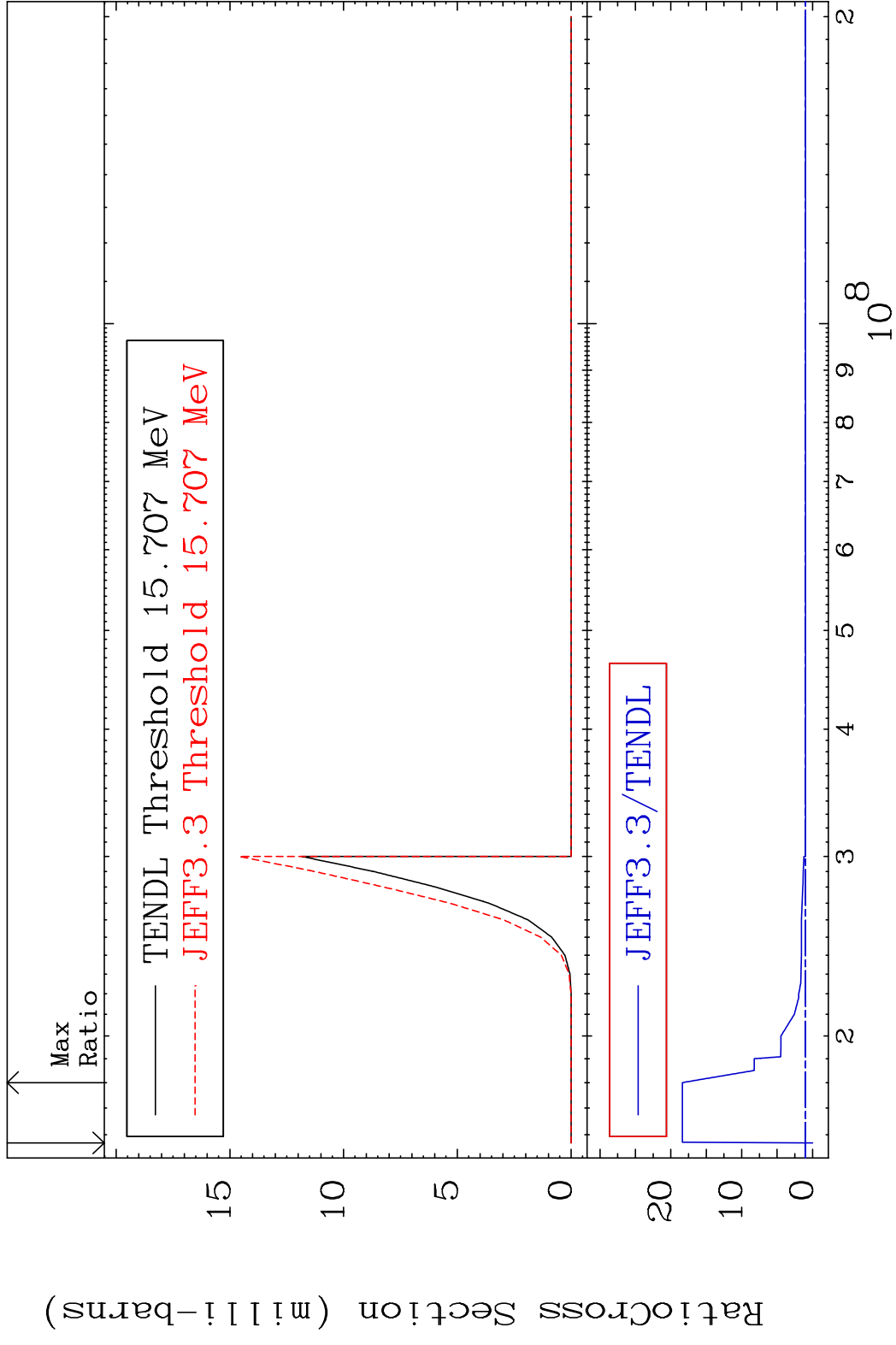


15

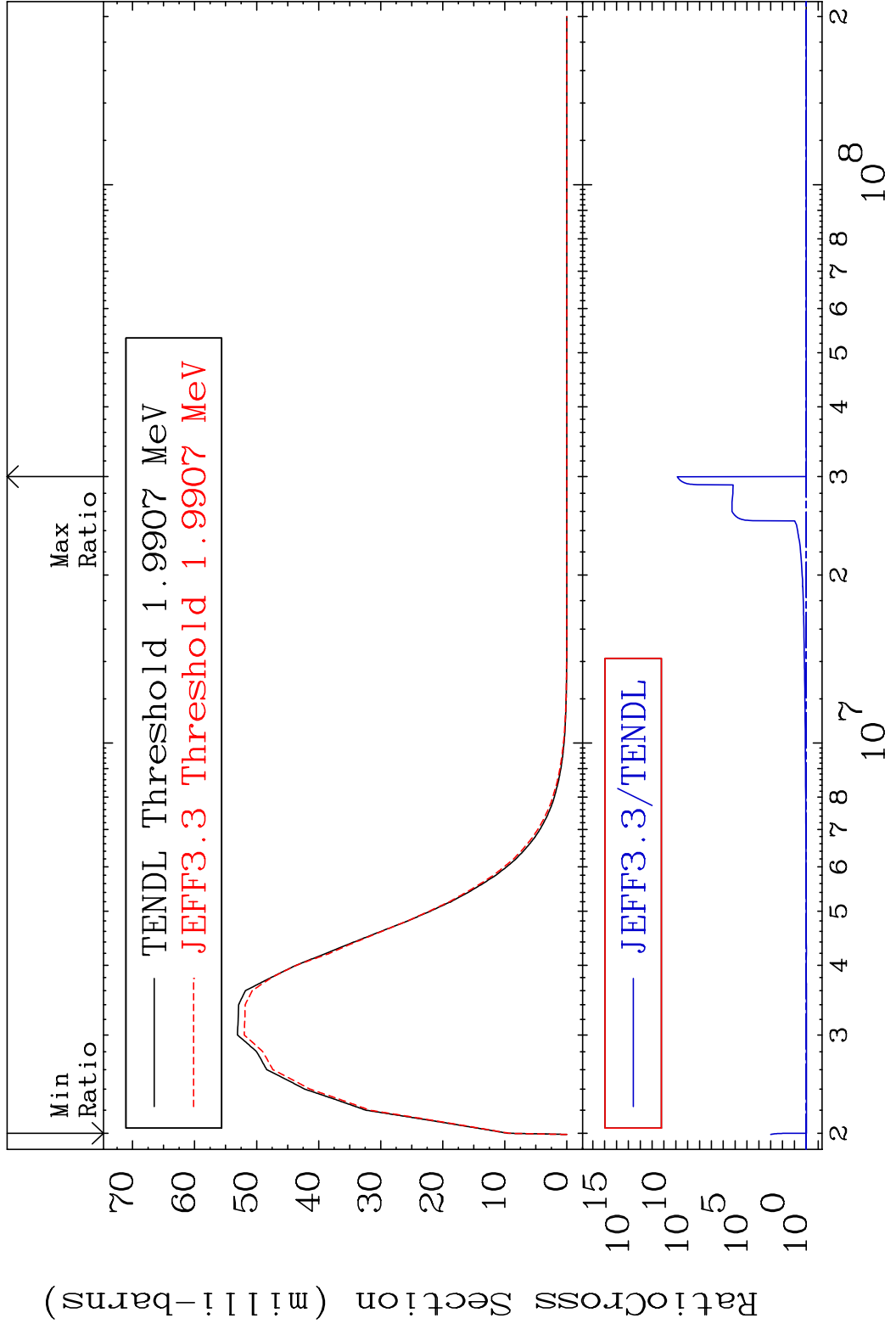
Incident Energy (eV)

20-Ca-41

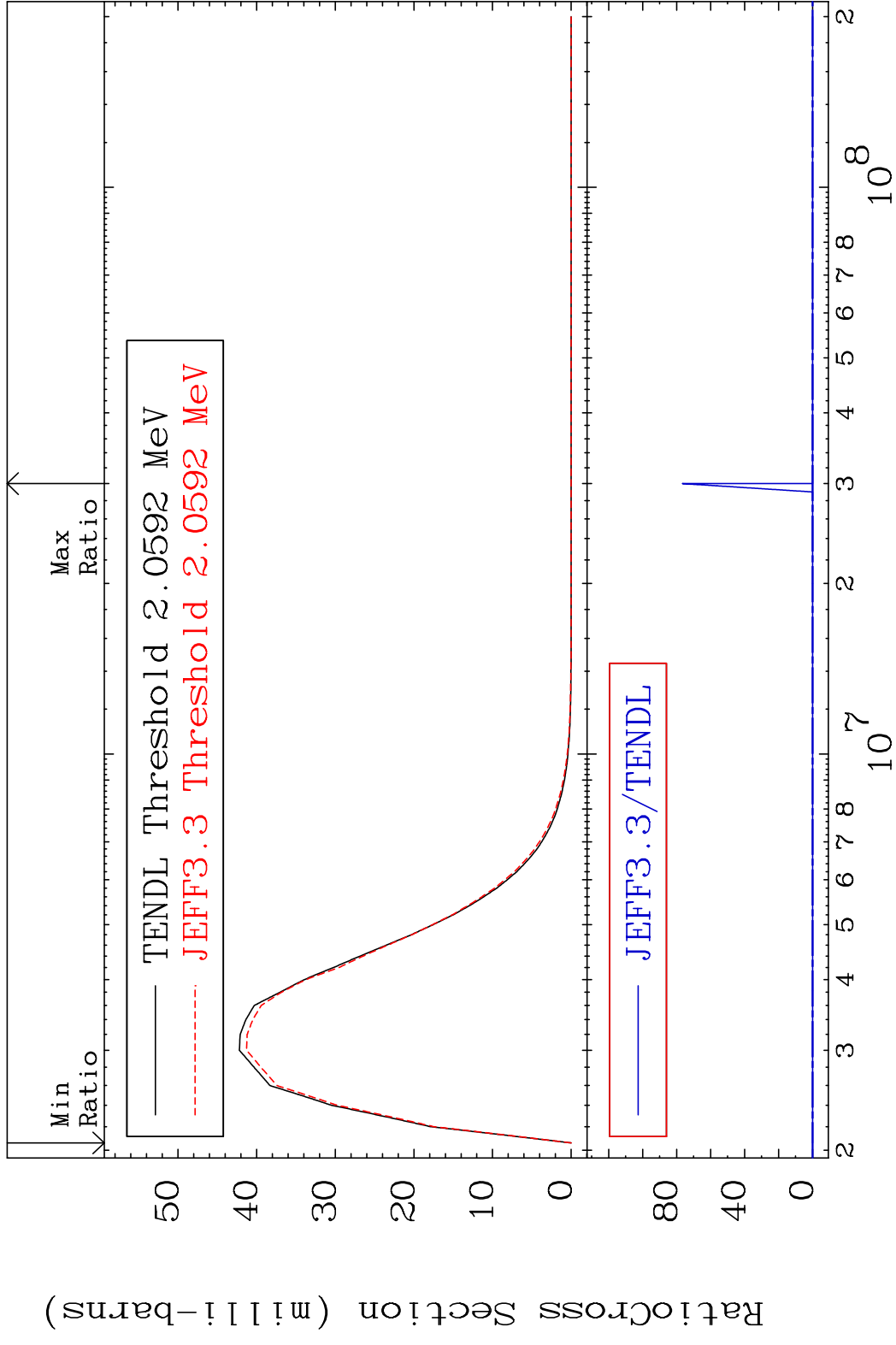
MAT 2028 (n,n') p α 20-Ca-41
 Cross Section -100.0 To 1738. %



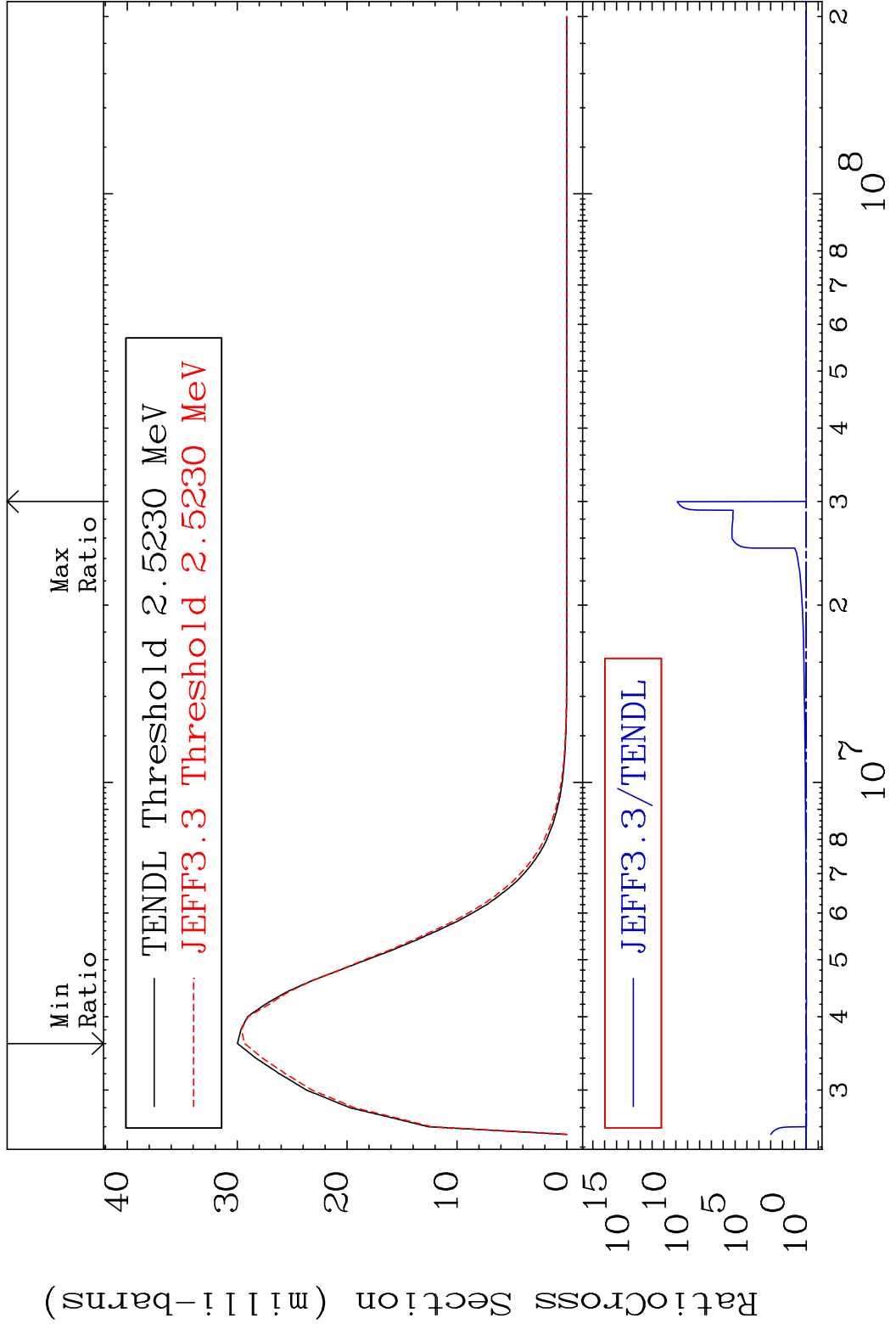
MAT 2028 MT= 51 (n, n') Level 20-Ca-41
 Cross Section -2.124 To 9999. %



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

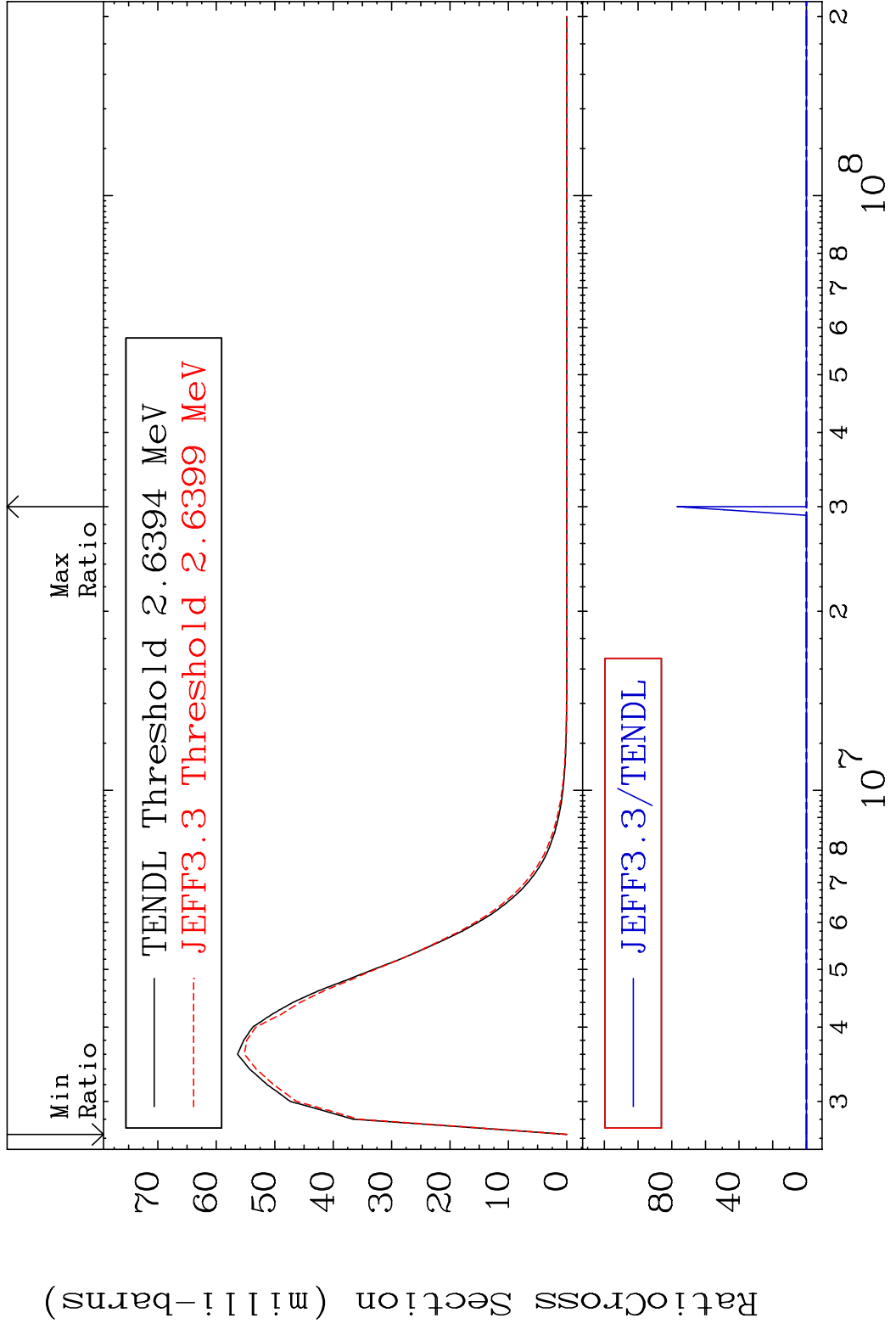


MAT 2028 MT= 53 (n, n') Level 20-Ca-41
 Cross Section -2.174 To 9999. %



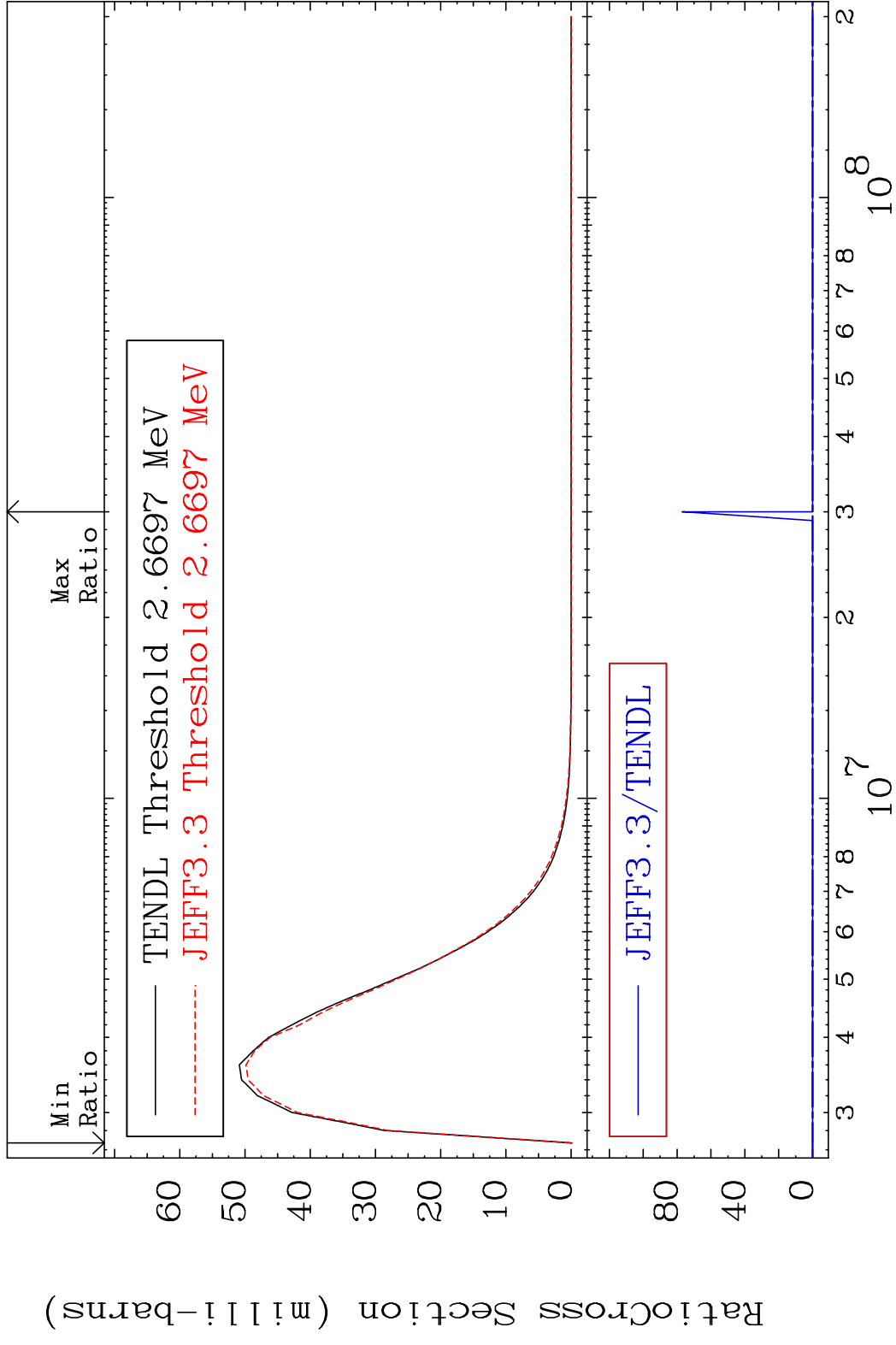
19 Incident Energy (eV) 20-Ca-41

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

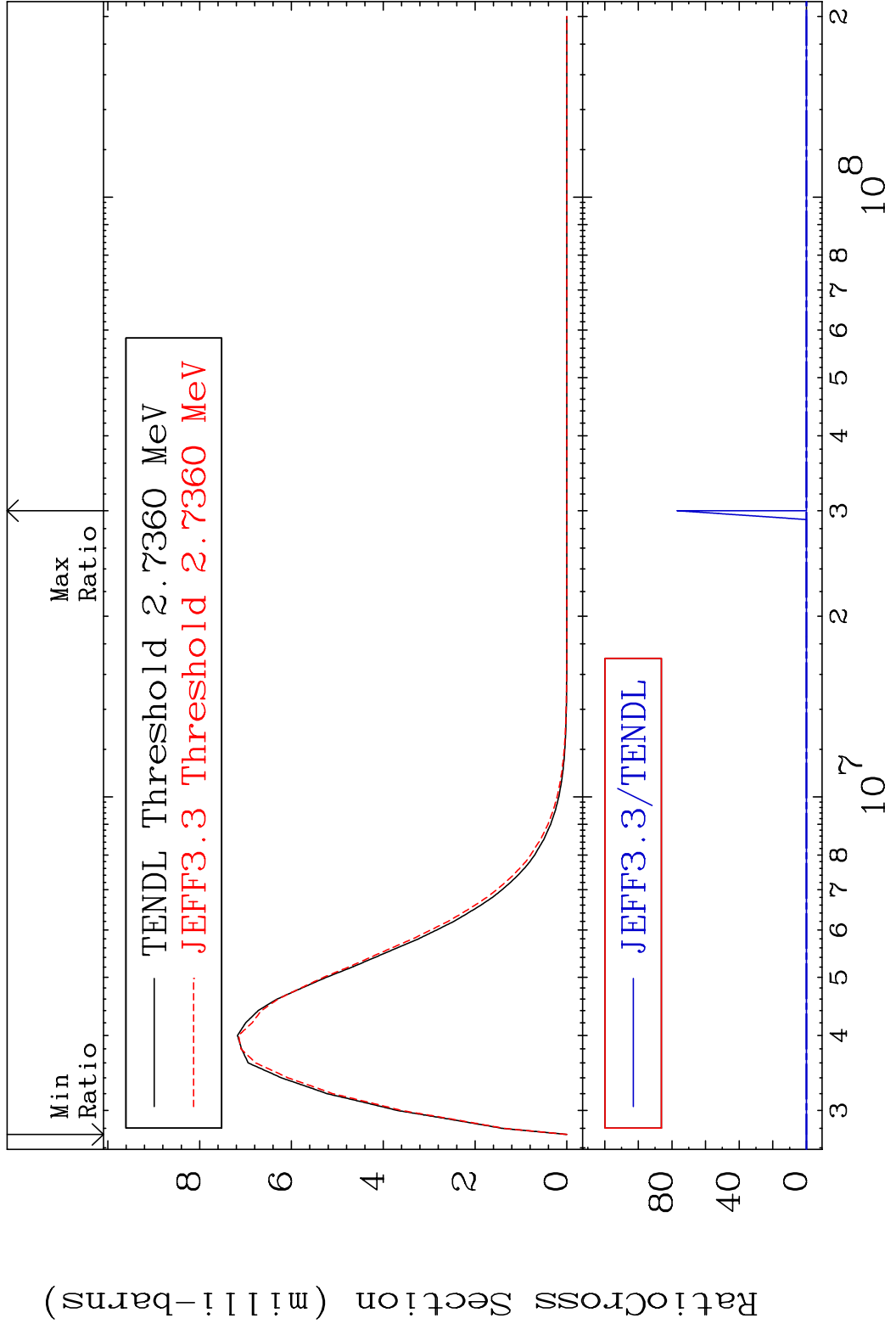


20 Incident Energy (eV) 20-Ca-41

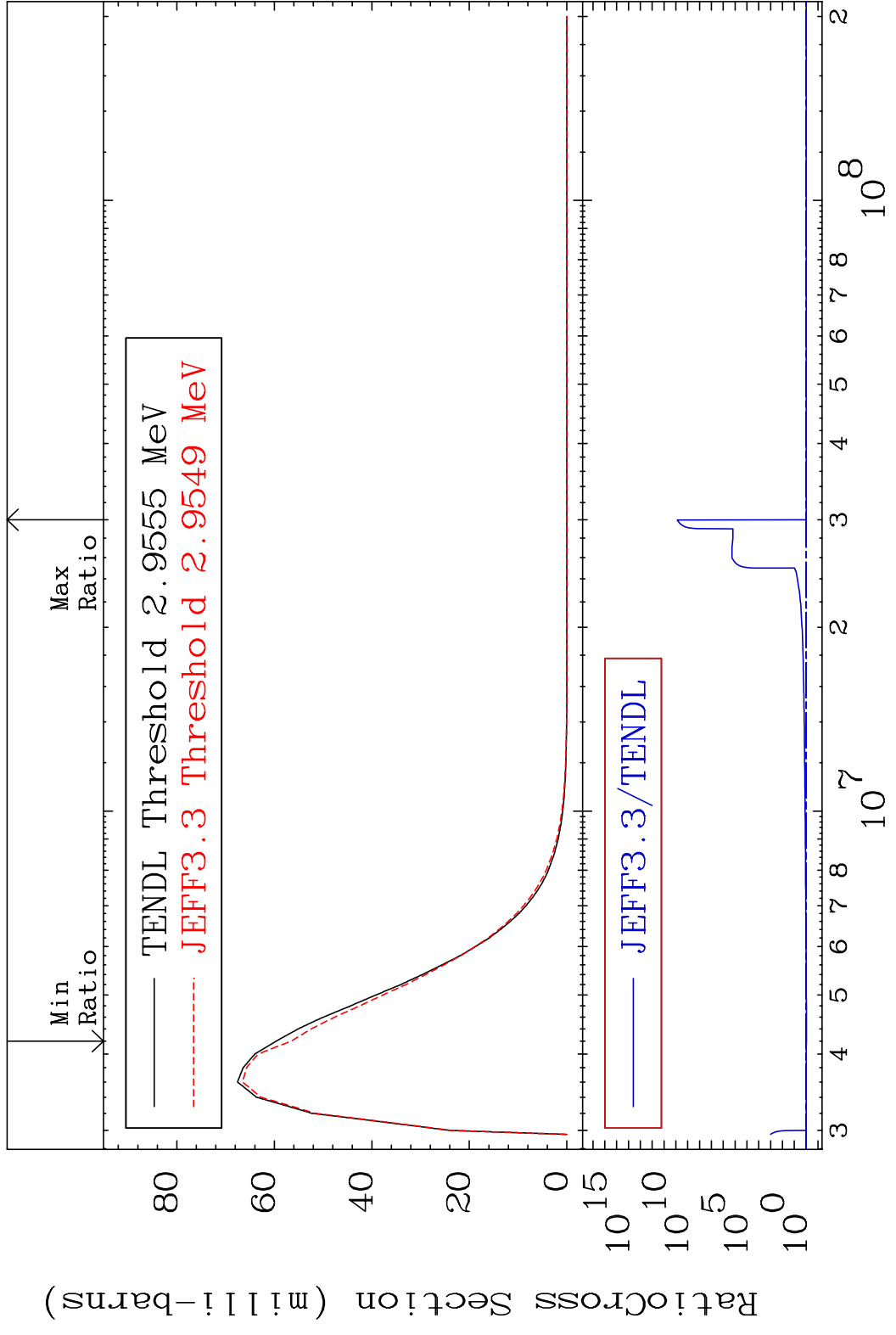
MAT 2028 MT= 55 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



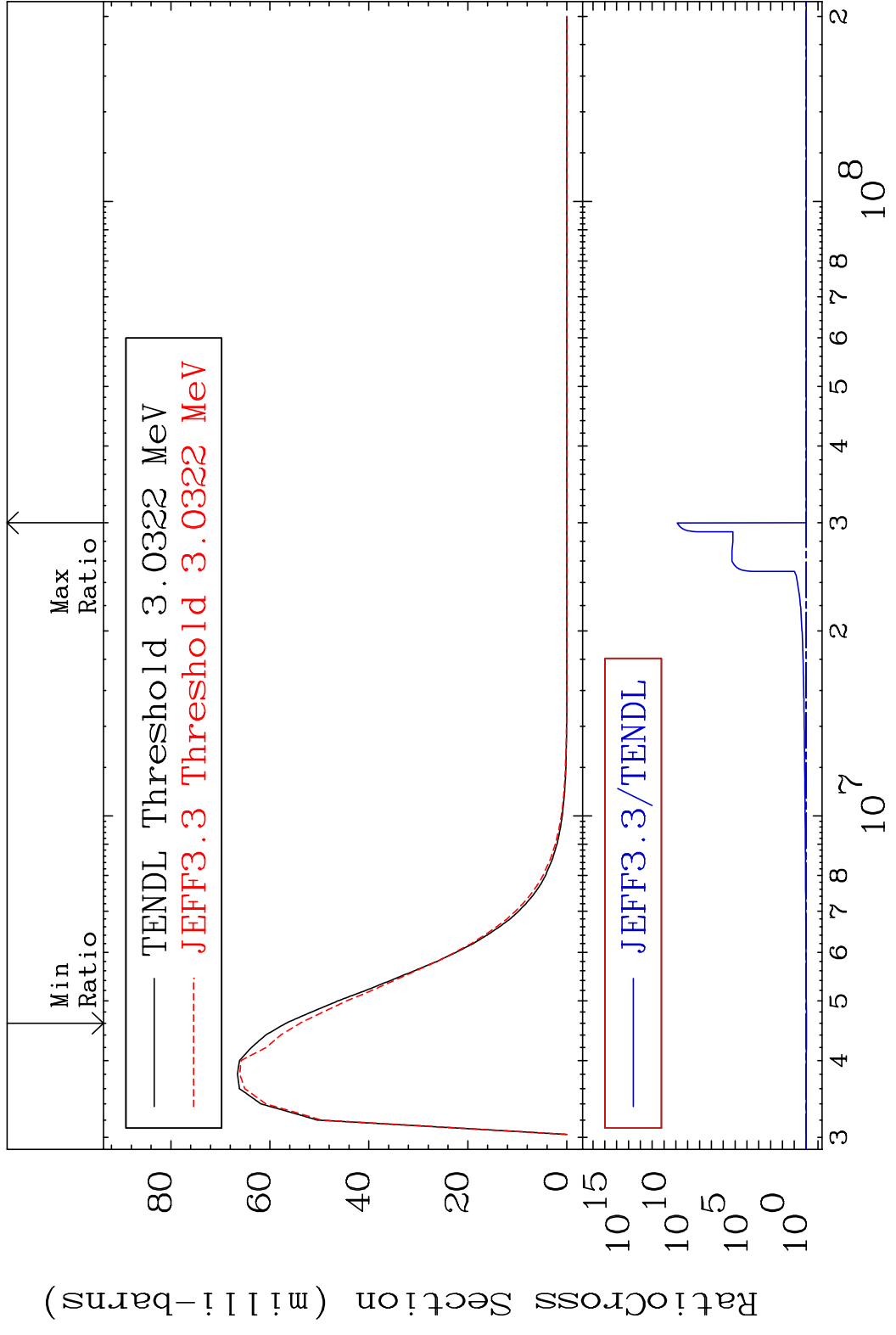
MAT 2028 MT= 56 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



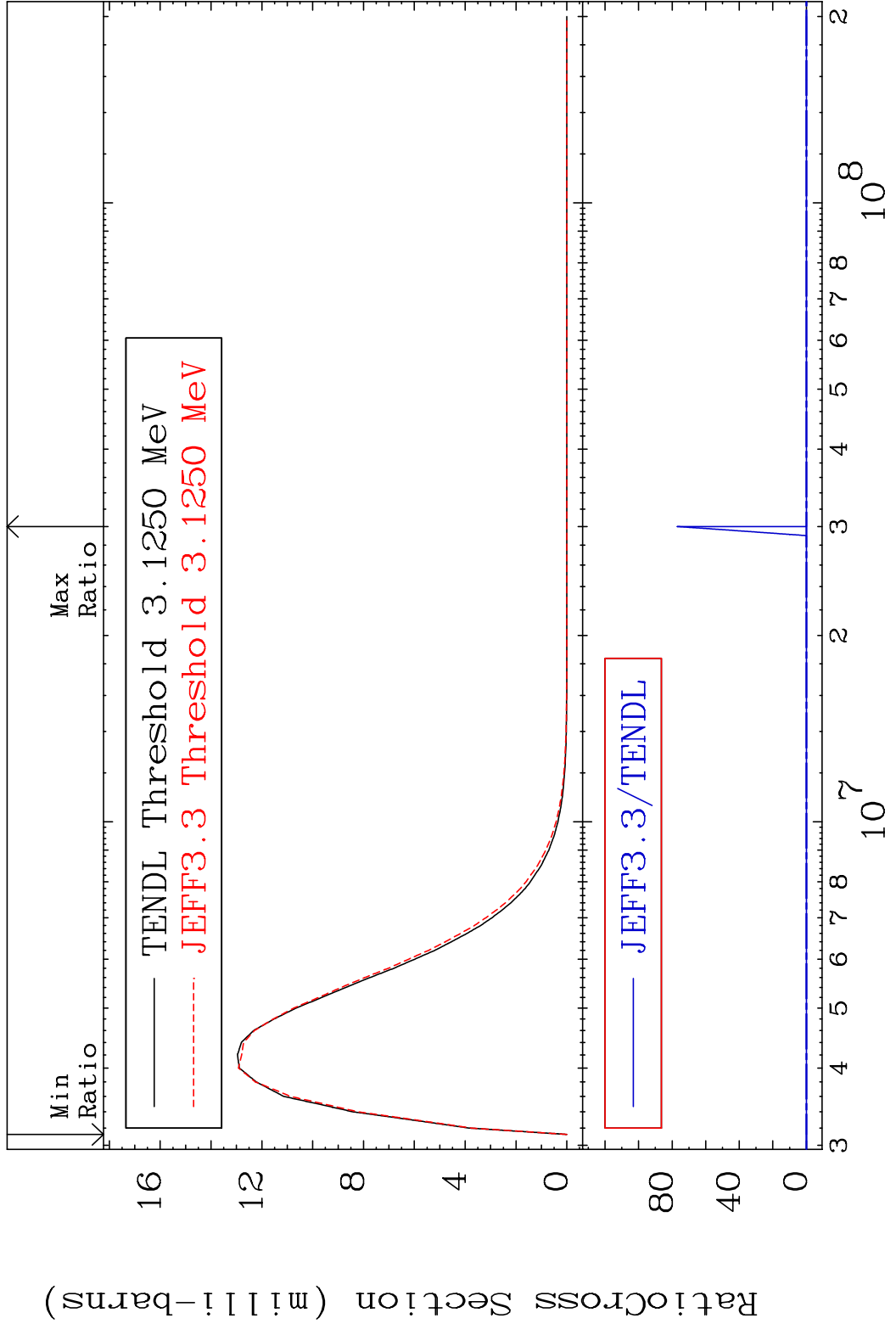
MAT 2028 MT= 57 (n, n') Level 20-Ca-41
 Cross Section -5.165 To 9999. %



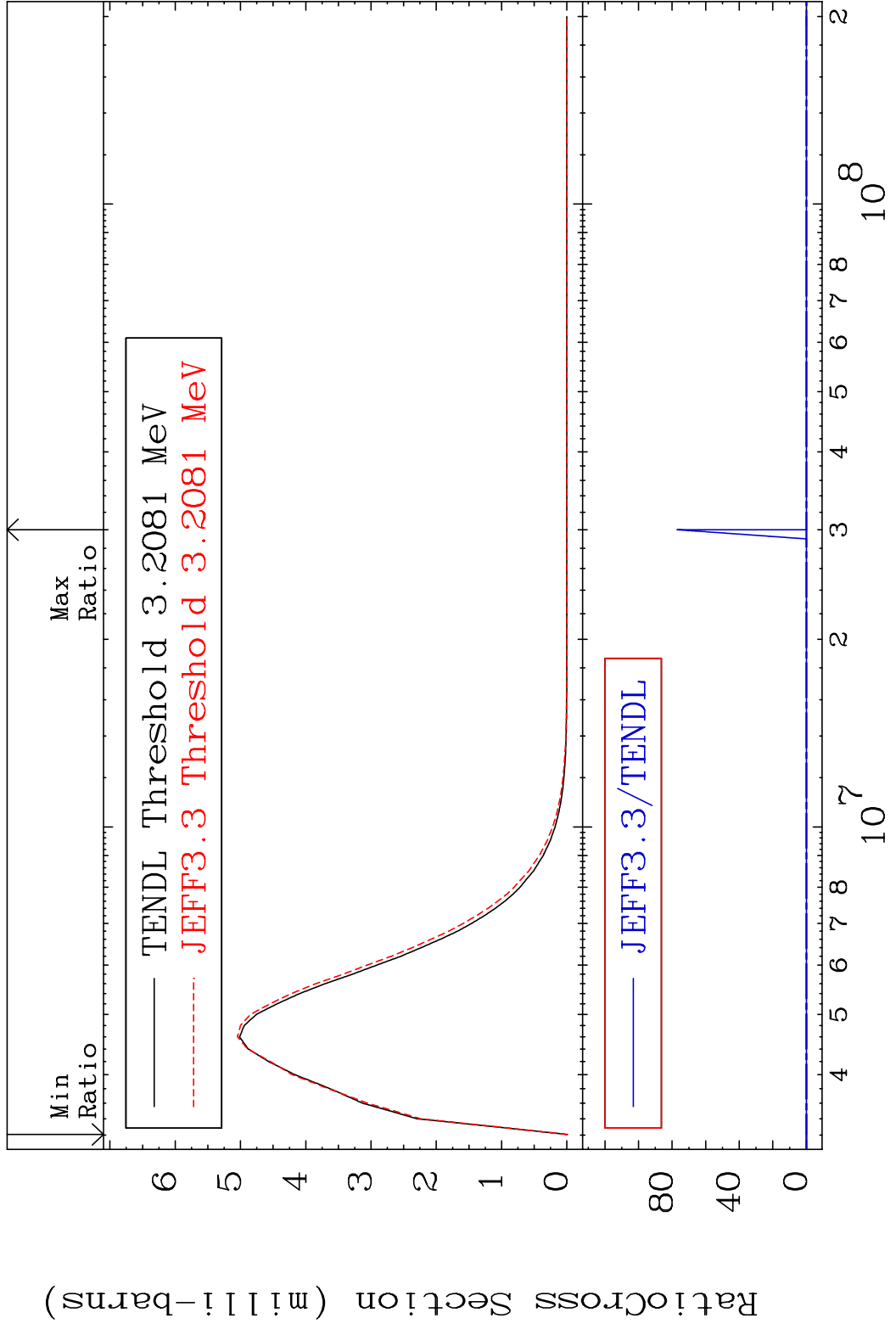
MAT 2028 MT= 58 (n, n') Level 20-Ca-41
 Cross Section -5.036 To 9999. %



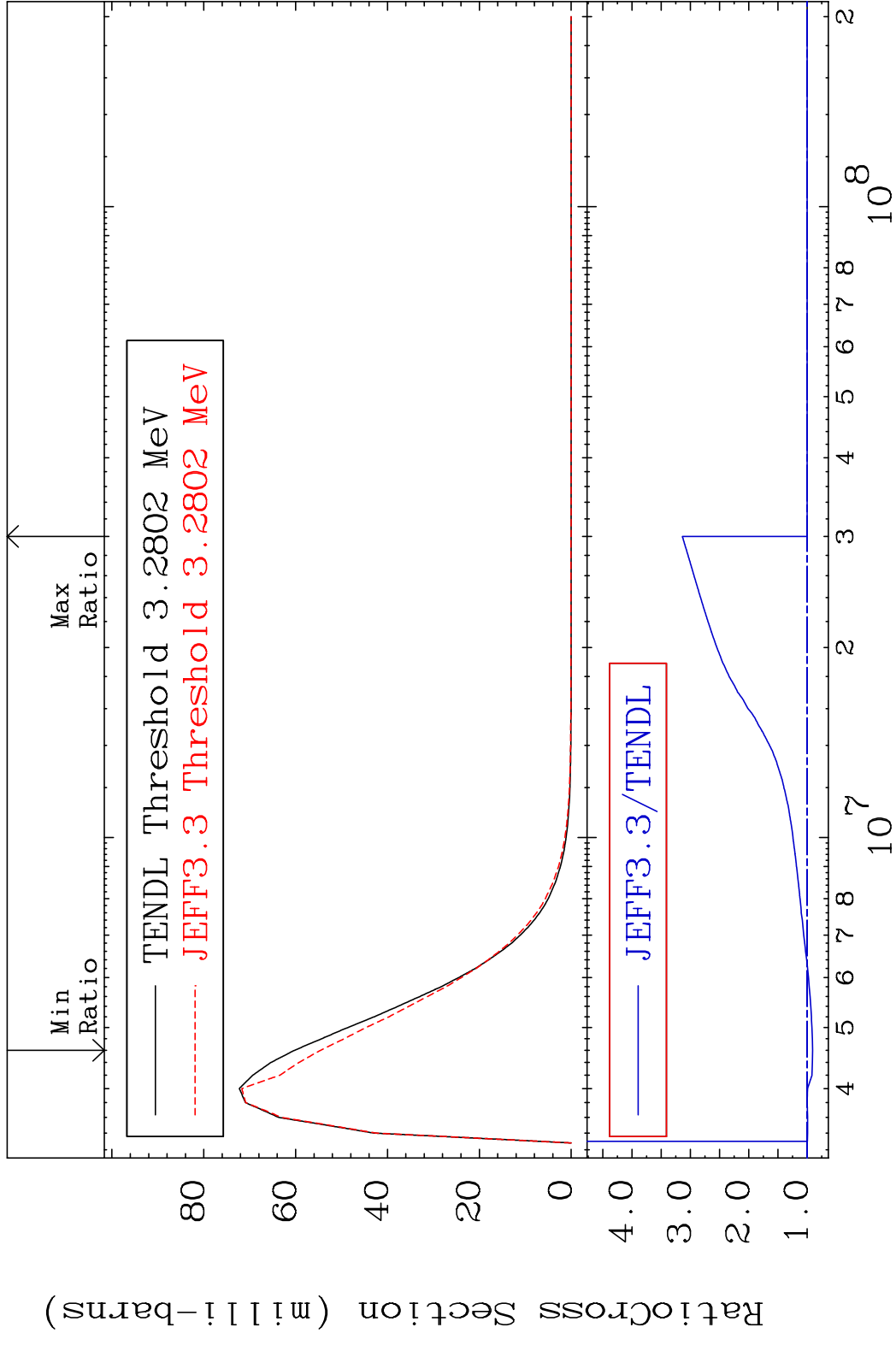
MAT 2028 MT= 59 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



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

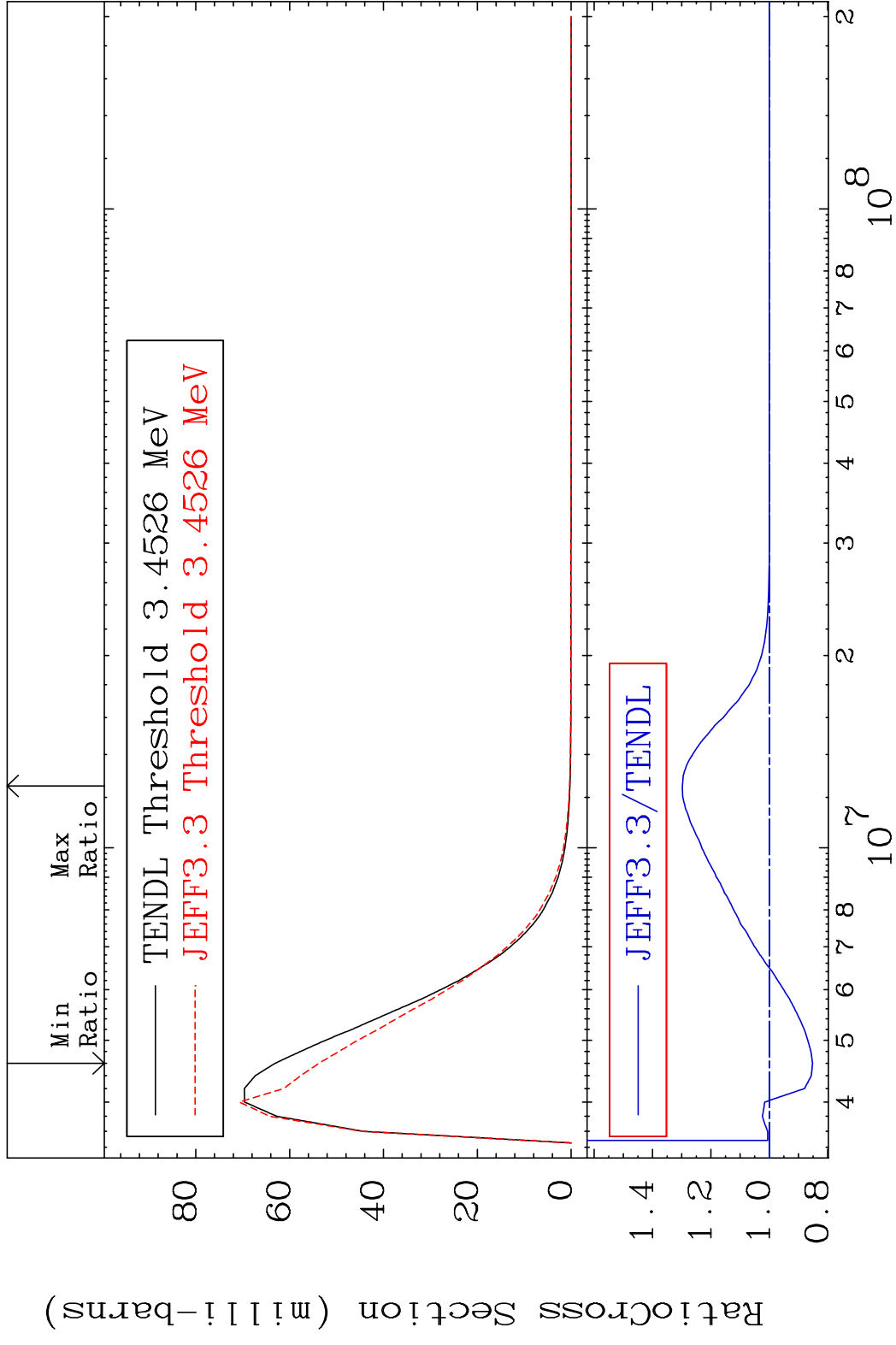


MAT 2028 MT= 61 (n, n') Level 20-Ca-41
 Cross Section -9.431 To 213.7 %

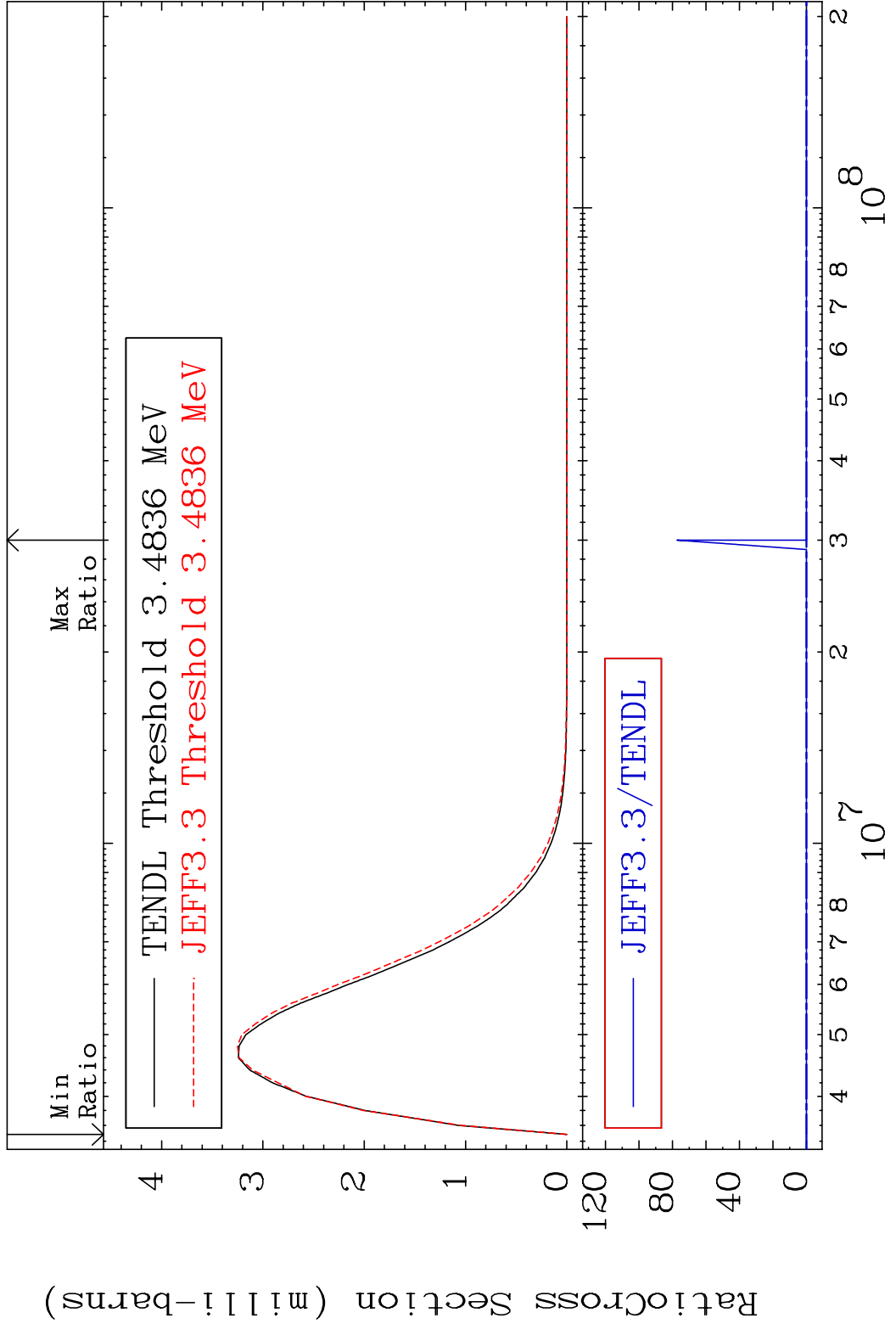


MAT 2028

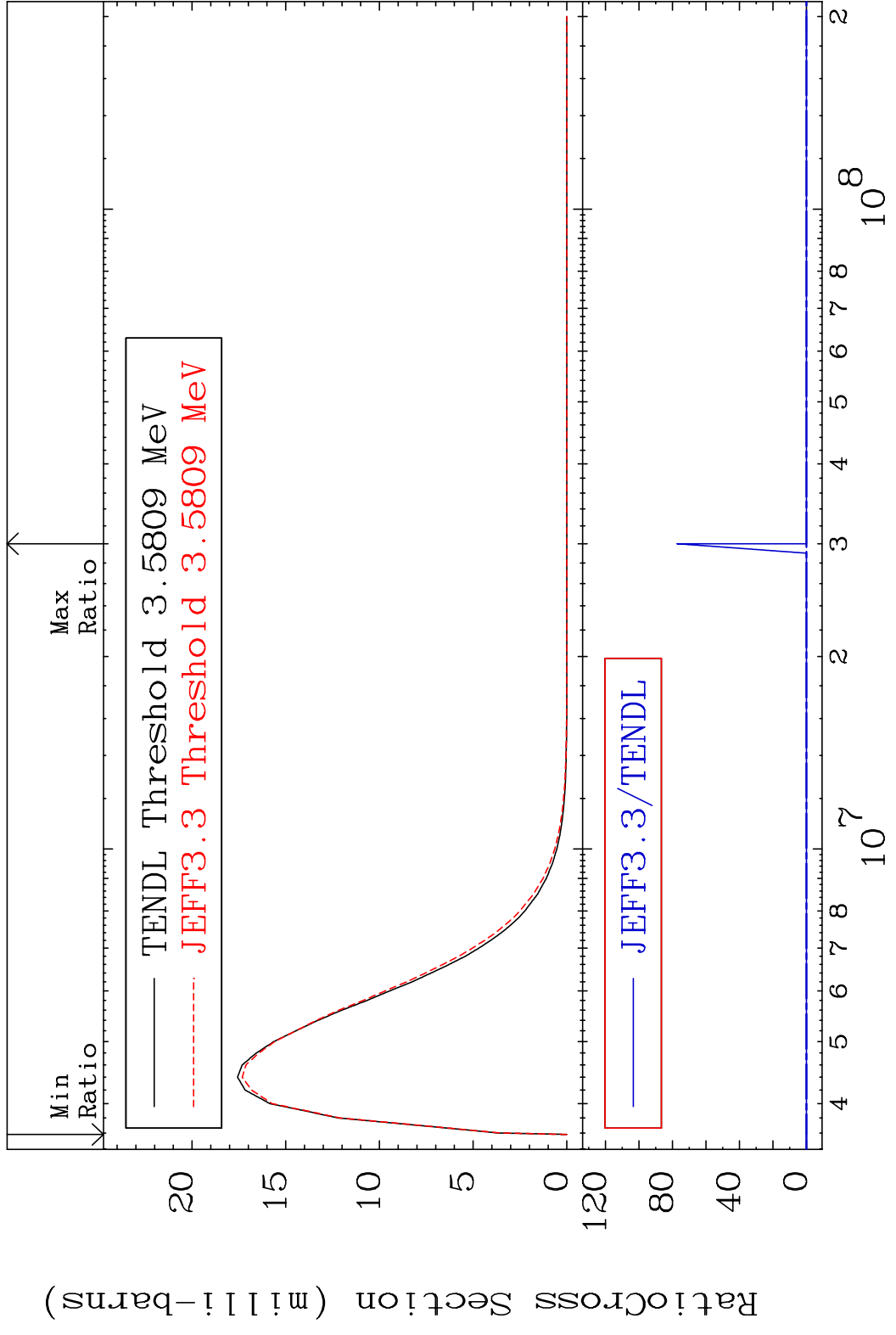
MT= 62 (n, n') Level 20-Ca-41
Cross Section -14.79 To 29.80 %



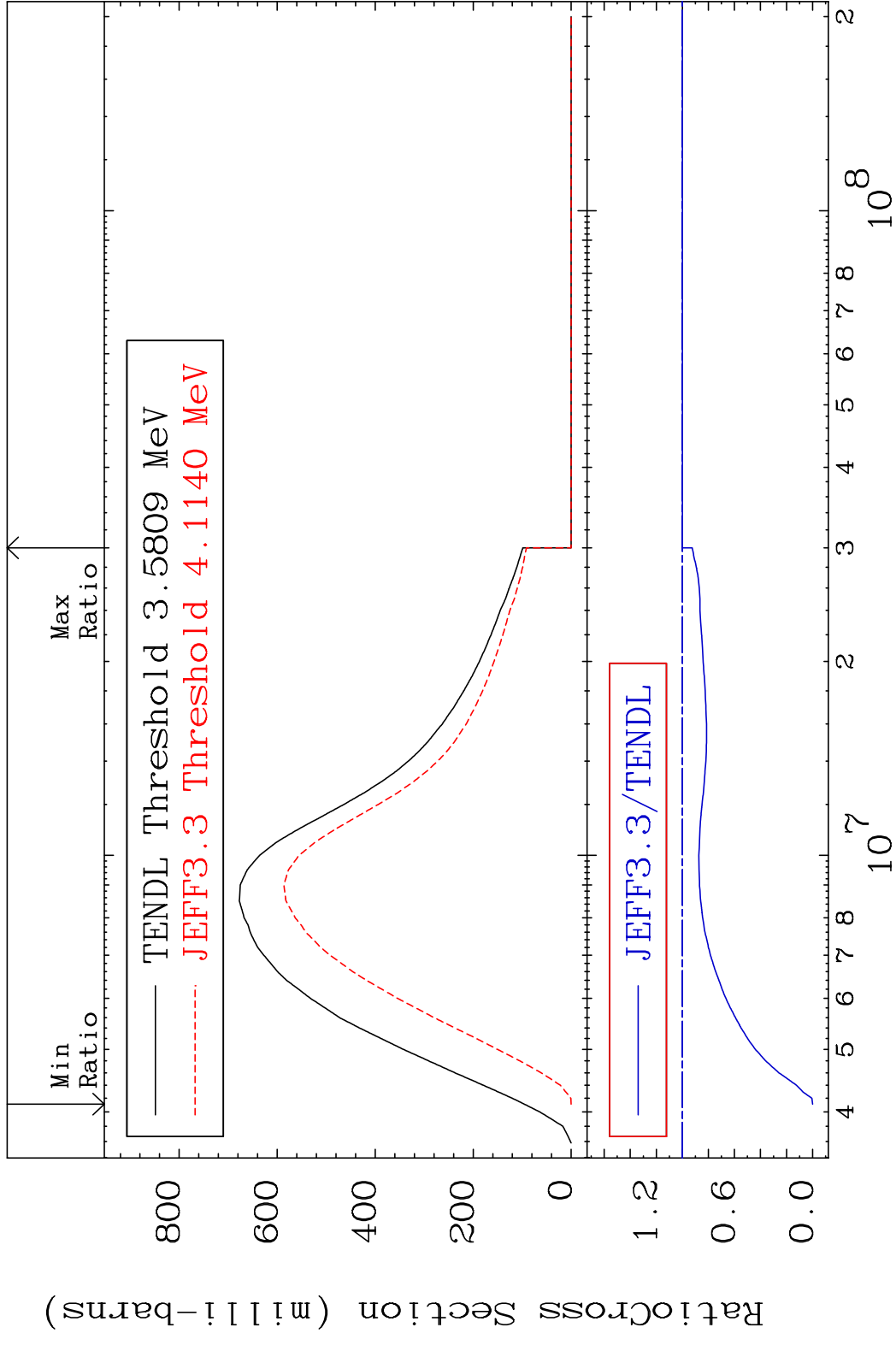
MAT 2028 MT= 63 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



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

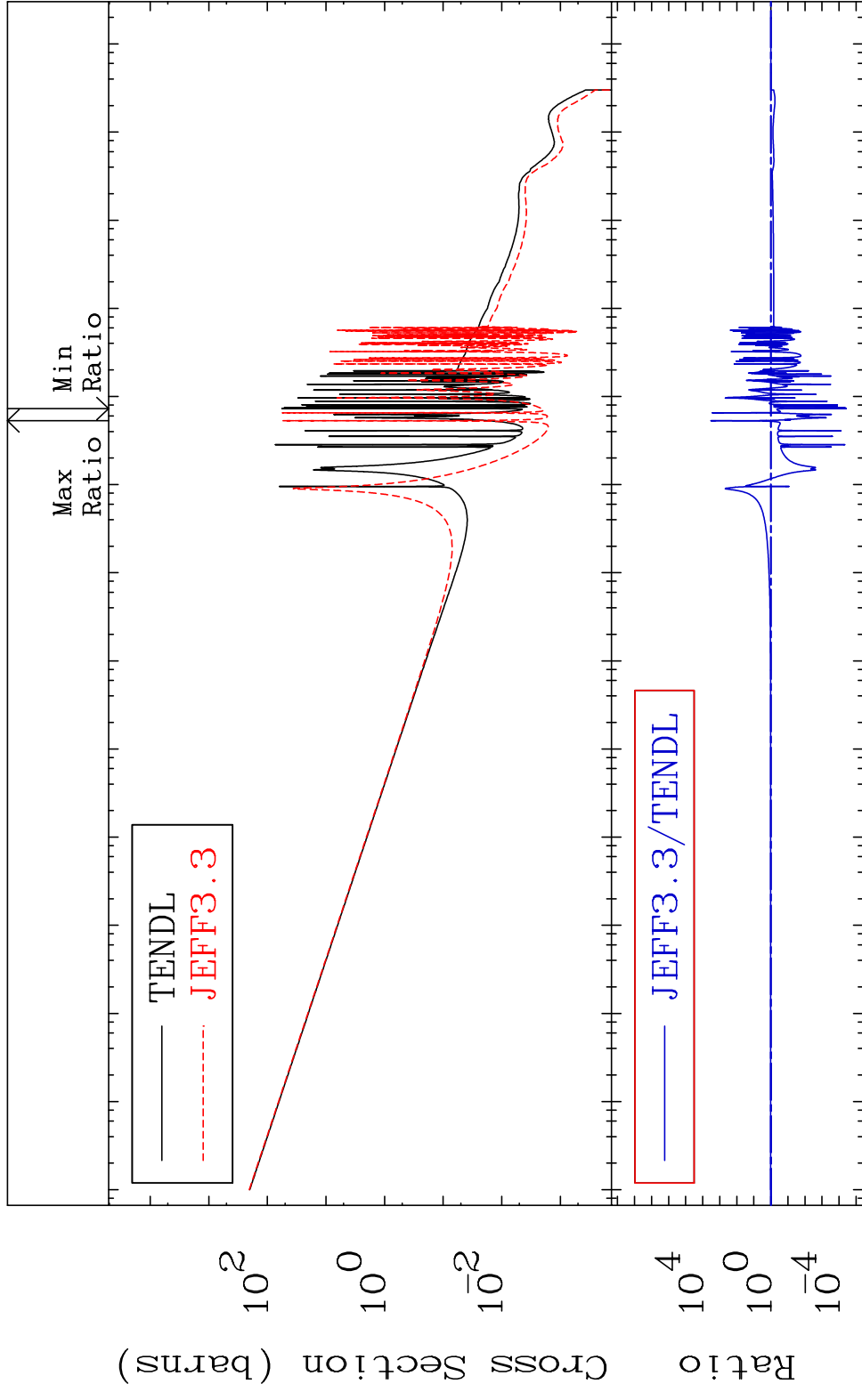


MAT 2028 (n,n') Continuum 20-Ca-41
 Cross Section -100.0 To 0.000 %



MAT 2028

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



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

32

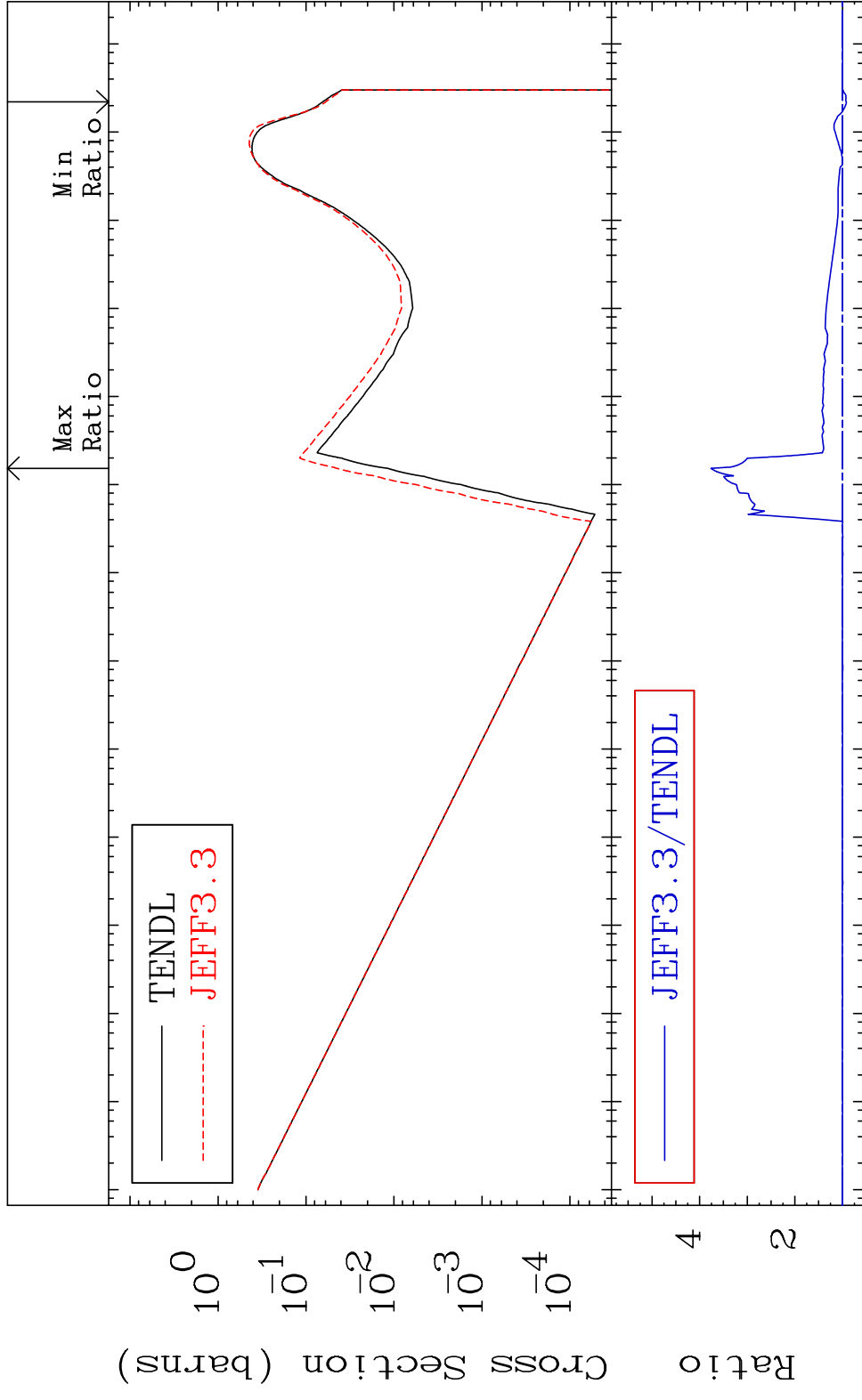
20-Ca-41

MAT 2028

(n, p)

20-Ca-41

Cross Section -8.100 To 276.7 %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

33

Incident Energy (eV)

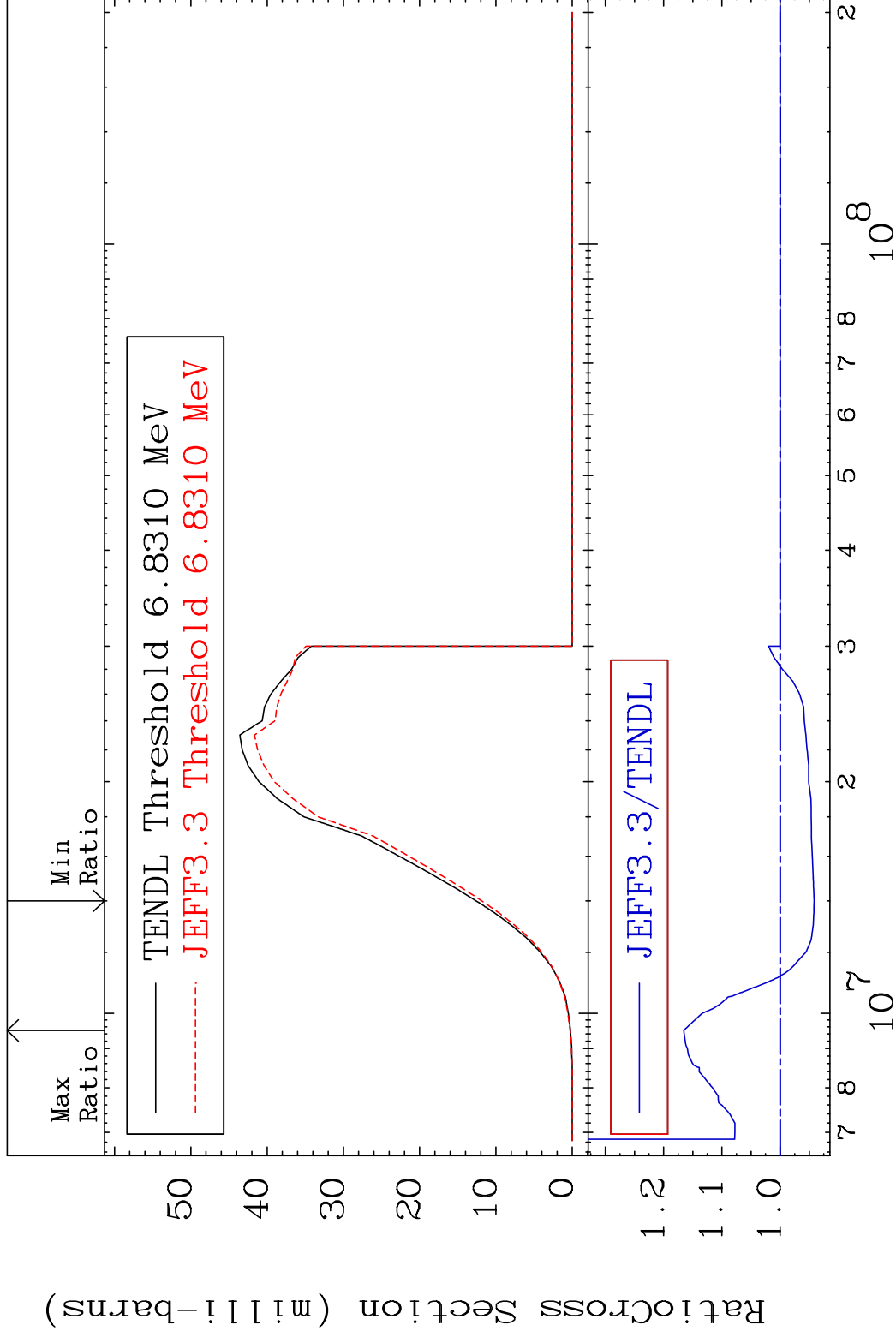
20-Ca-41

MAT 2028

(n, d)

20-Ca-41

Cross Section -5.825 To 16.56 %



34

Incident Energy (eV)

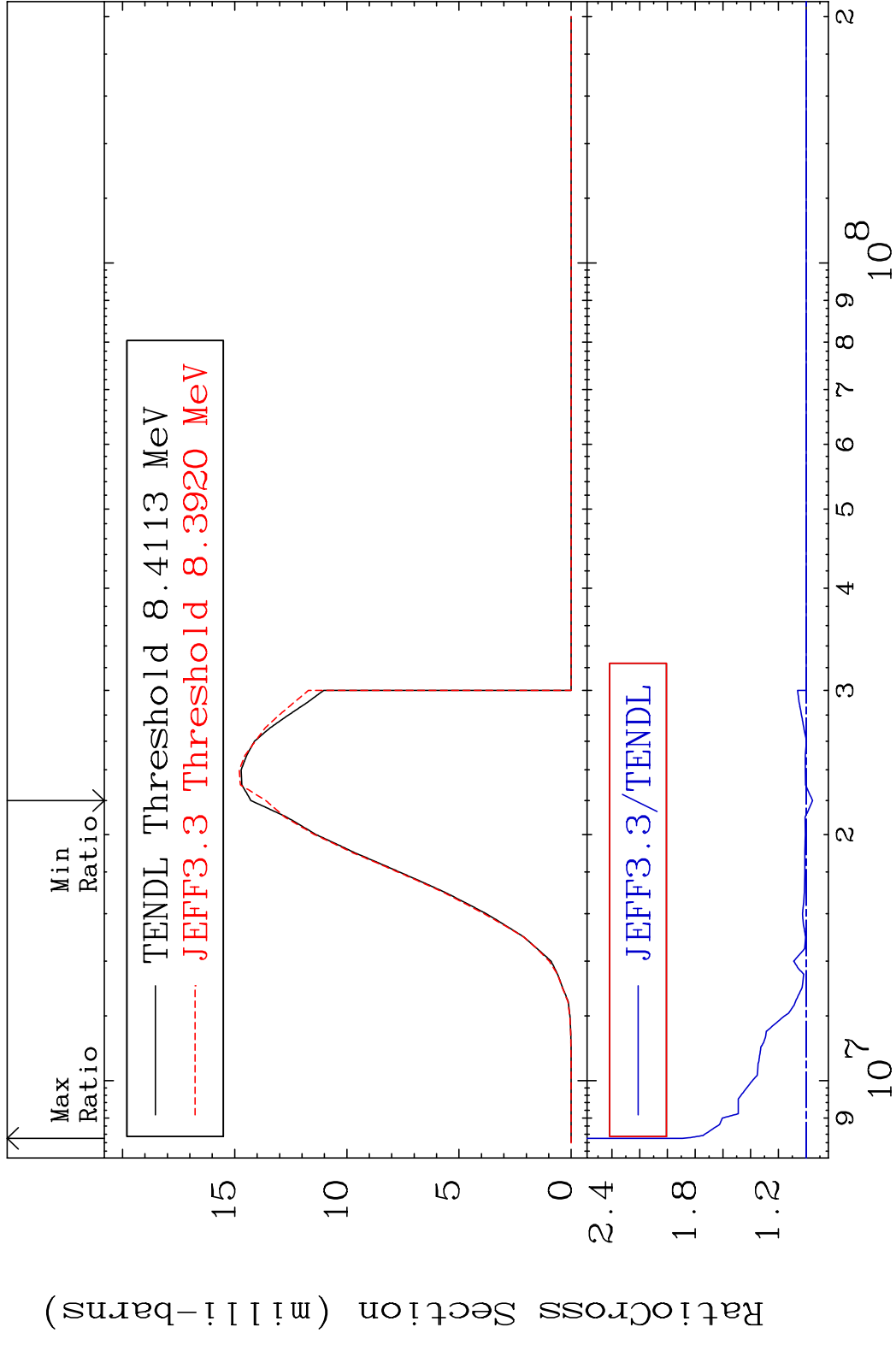
20-Ca-41

MAT 2028

(n, t)

20-Ca-41

Cross Section -4.640 To 89.24 %



35

Incident Energy (eV)

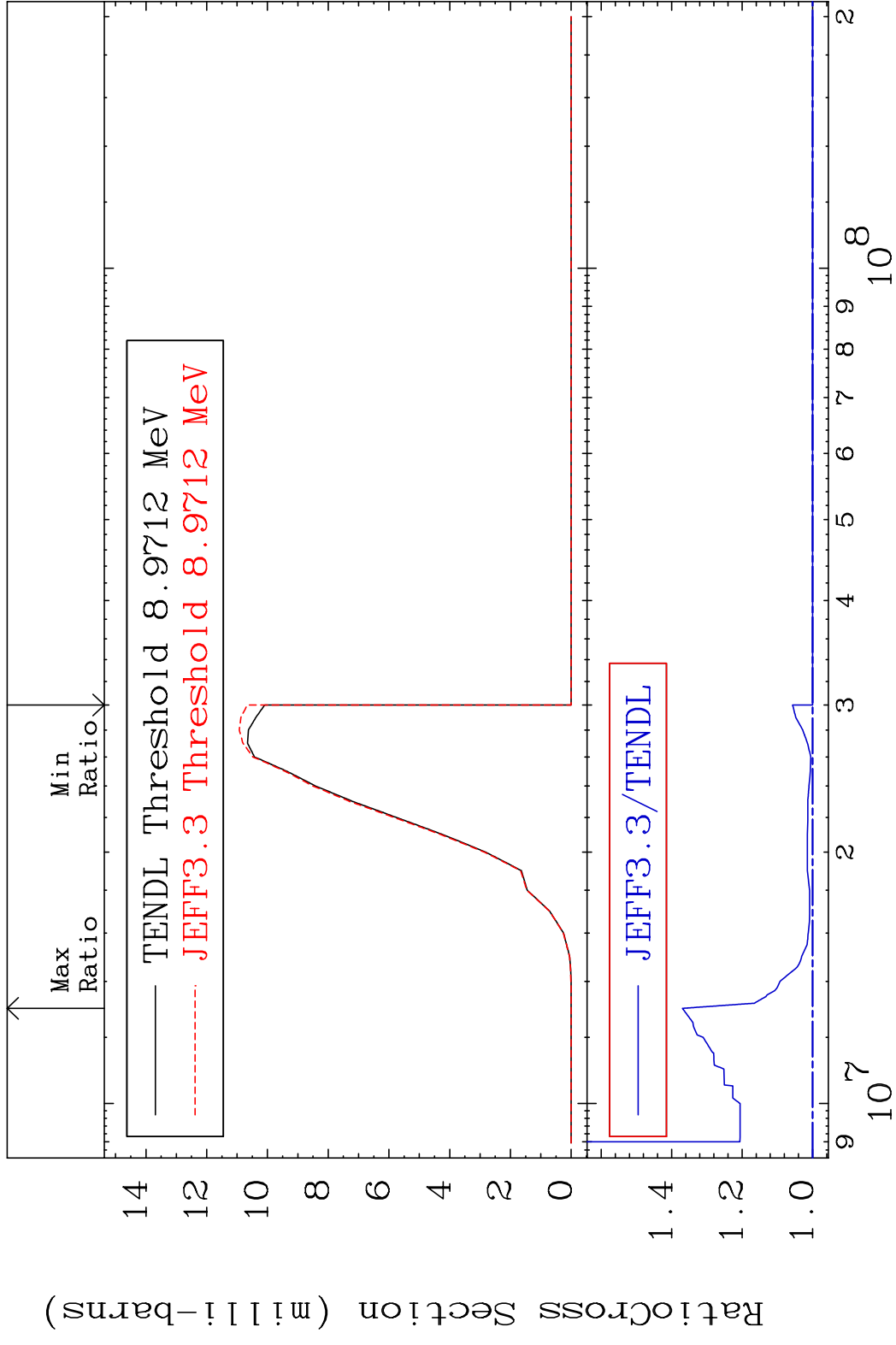
20-Ca-41

MAT 2028

(n, He-3)

20-Ca-41

Cross Section 0.000 To 36.96 %



36

Incident Energy (eV)

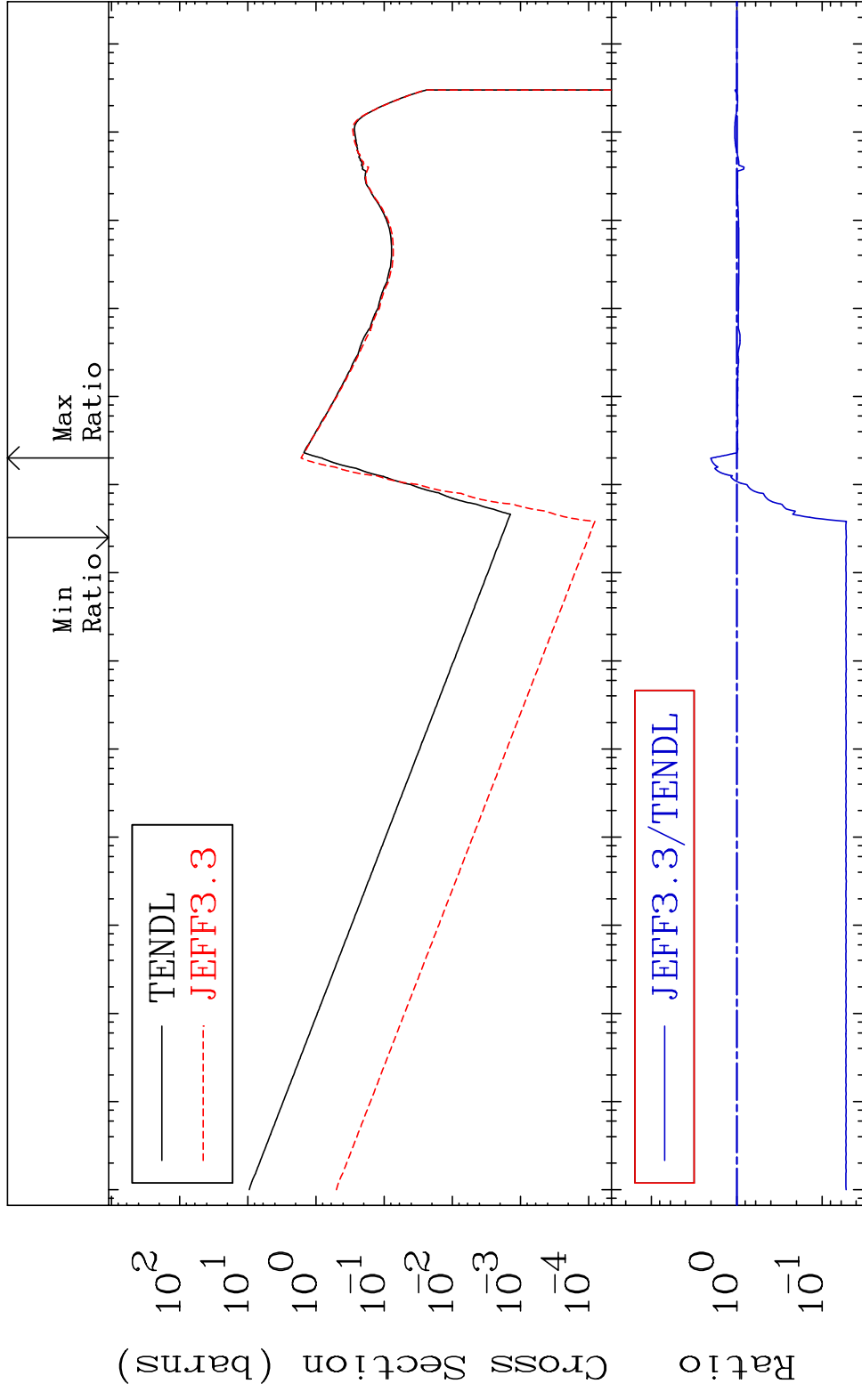
20-Ca-41

MAT 2028

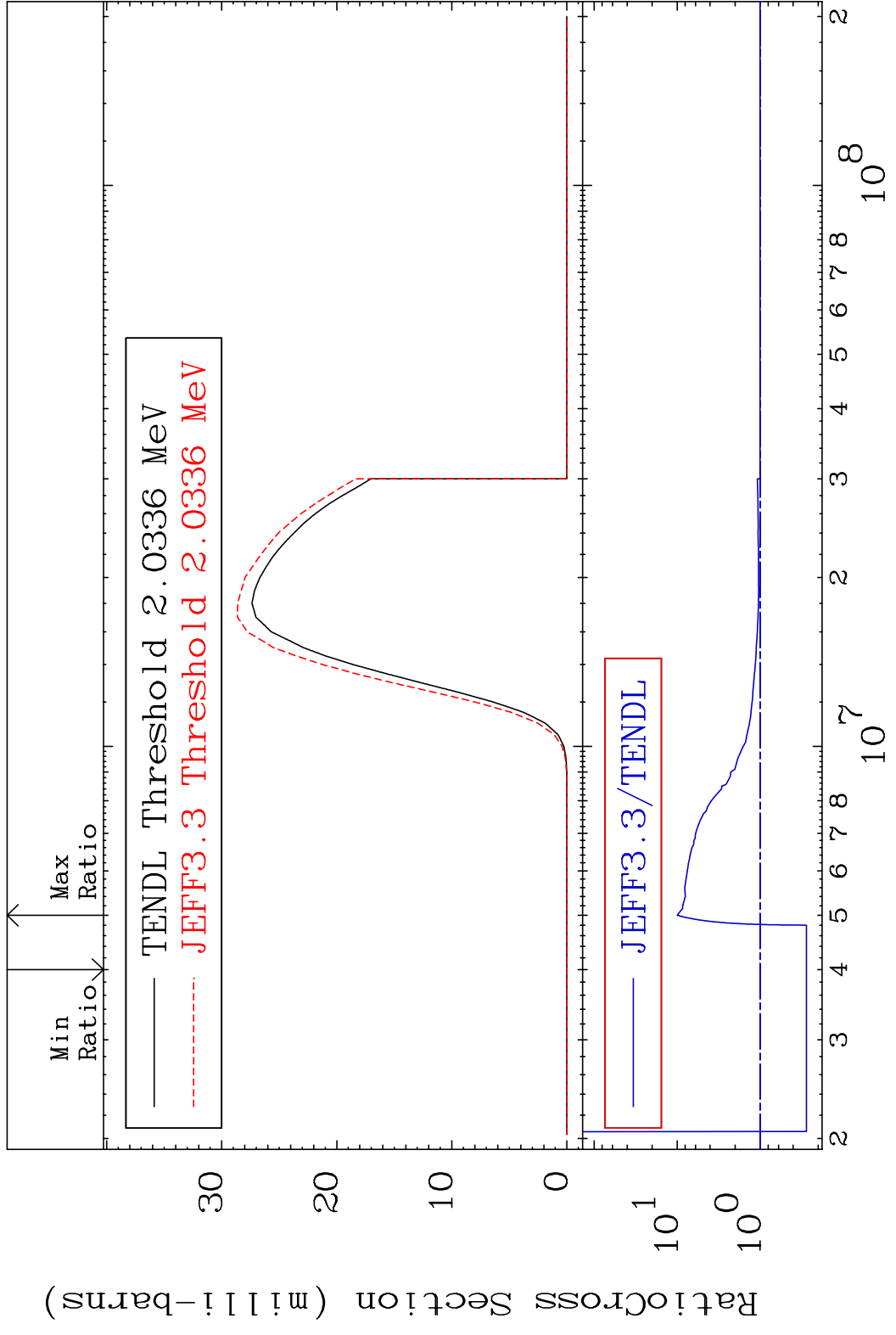
(n, α)

20-Ca-41

Cross Section -94.78 To 102.1 %



MAT 2028 (n,2α) 20-Ca-41
 Cross Section -72.32 To 898.2 %

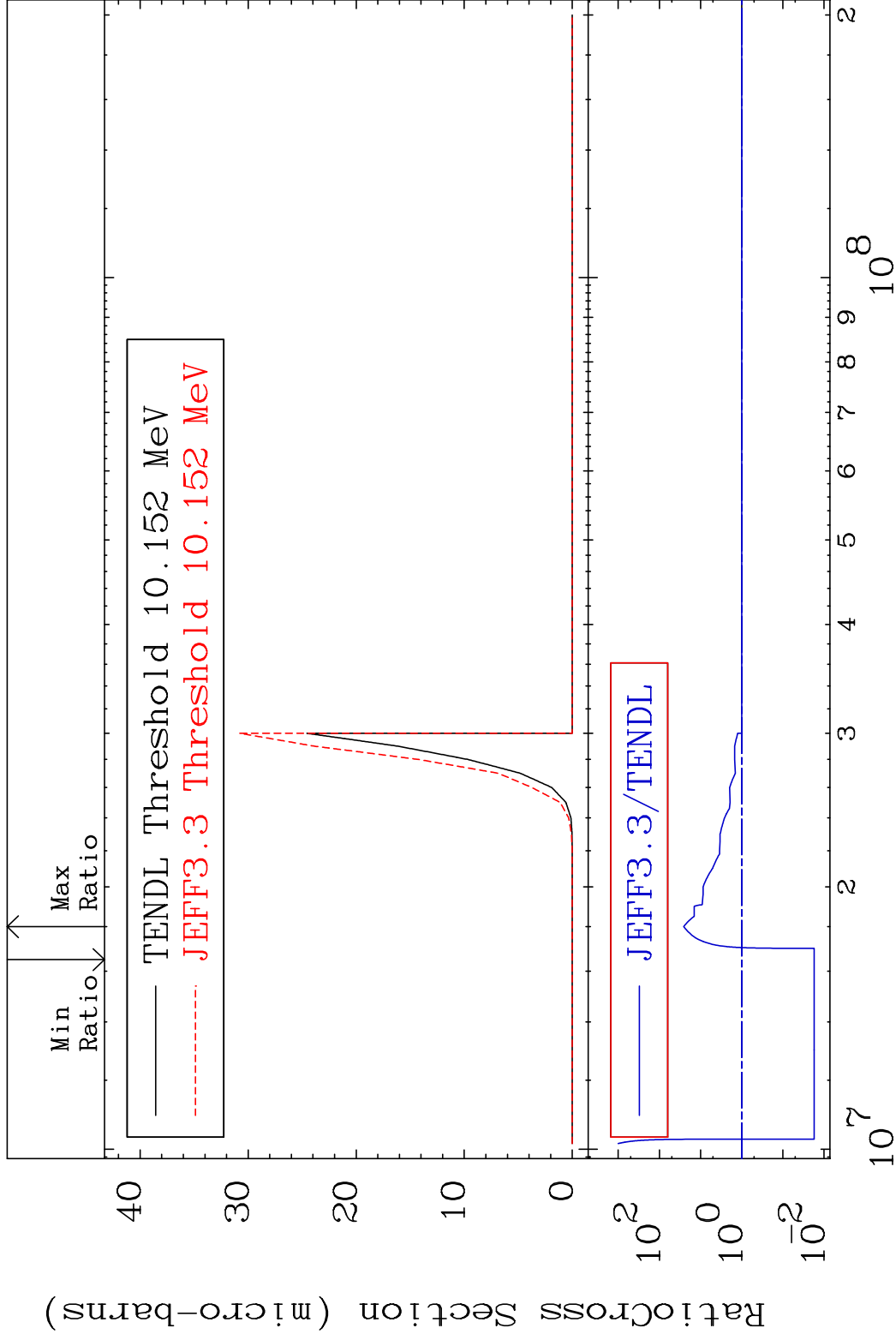


MAT 2028

(n,3 α)

20-Ca-41

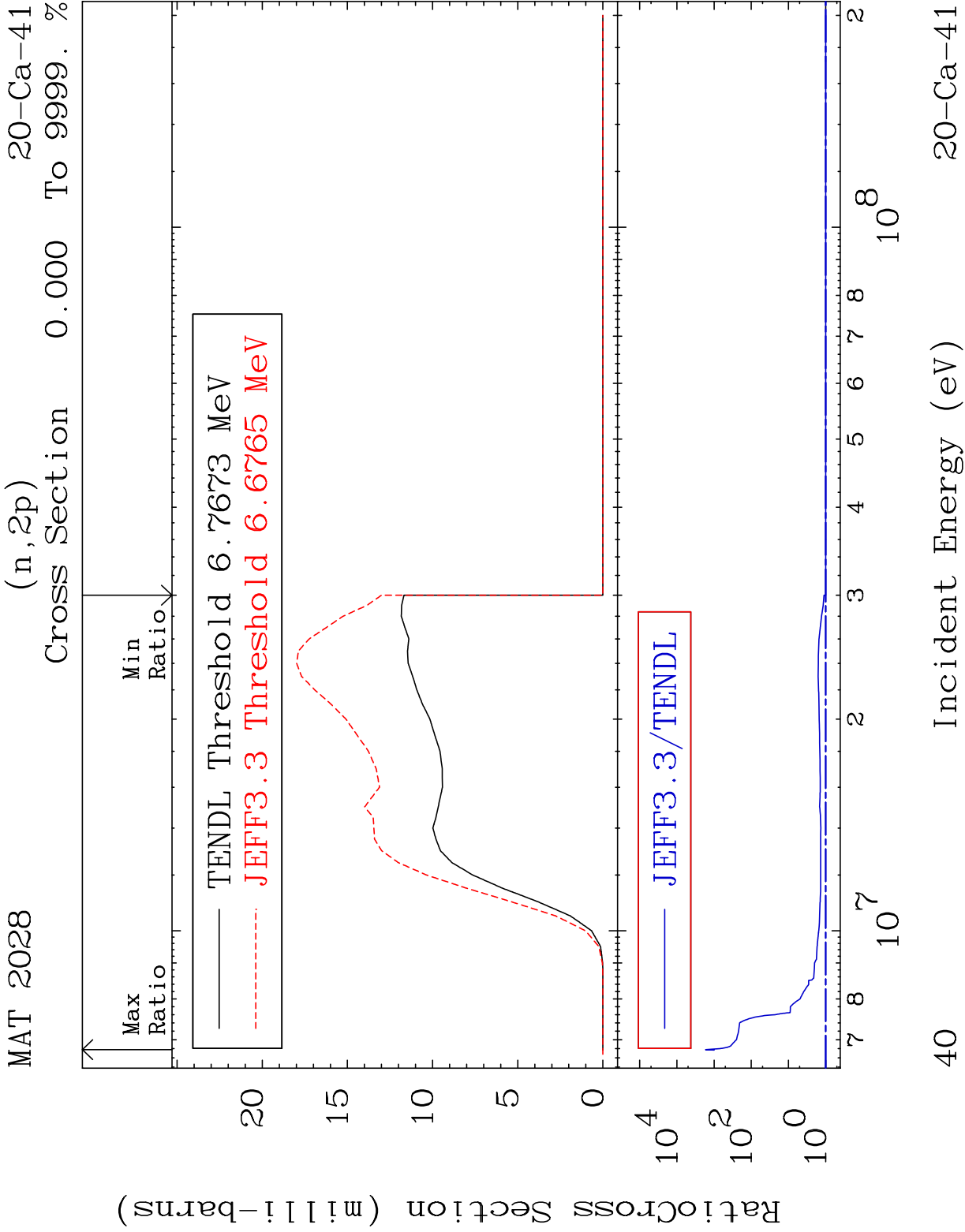
Cross Section -98.26 To 2471. %



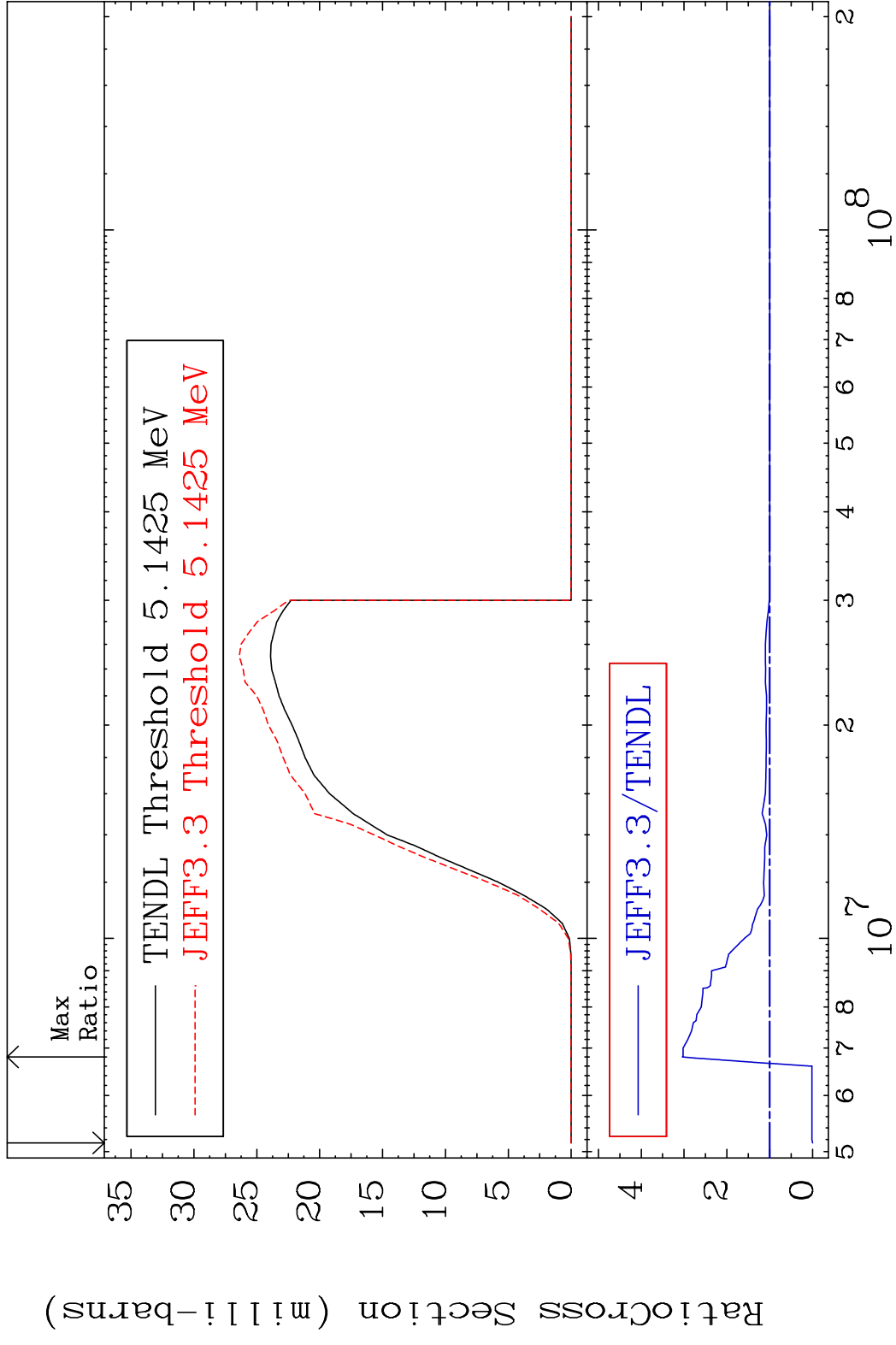
39

Incident Energy (eV)

20-Ca-41



MAT 2028 (n,p) α 20-Ca-41
 Cross Section -100.0 To 204.0 %

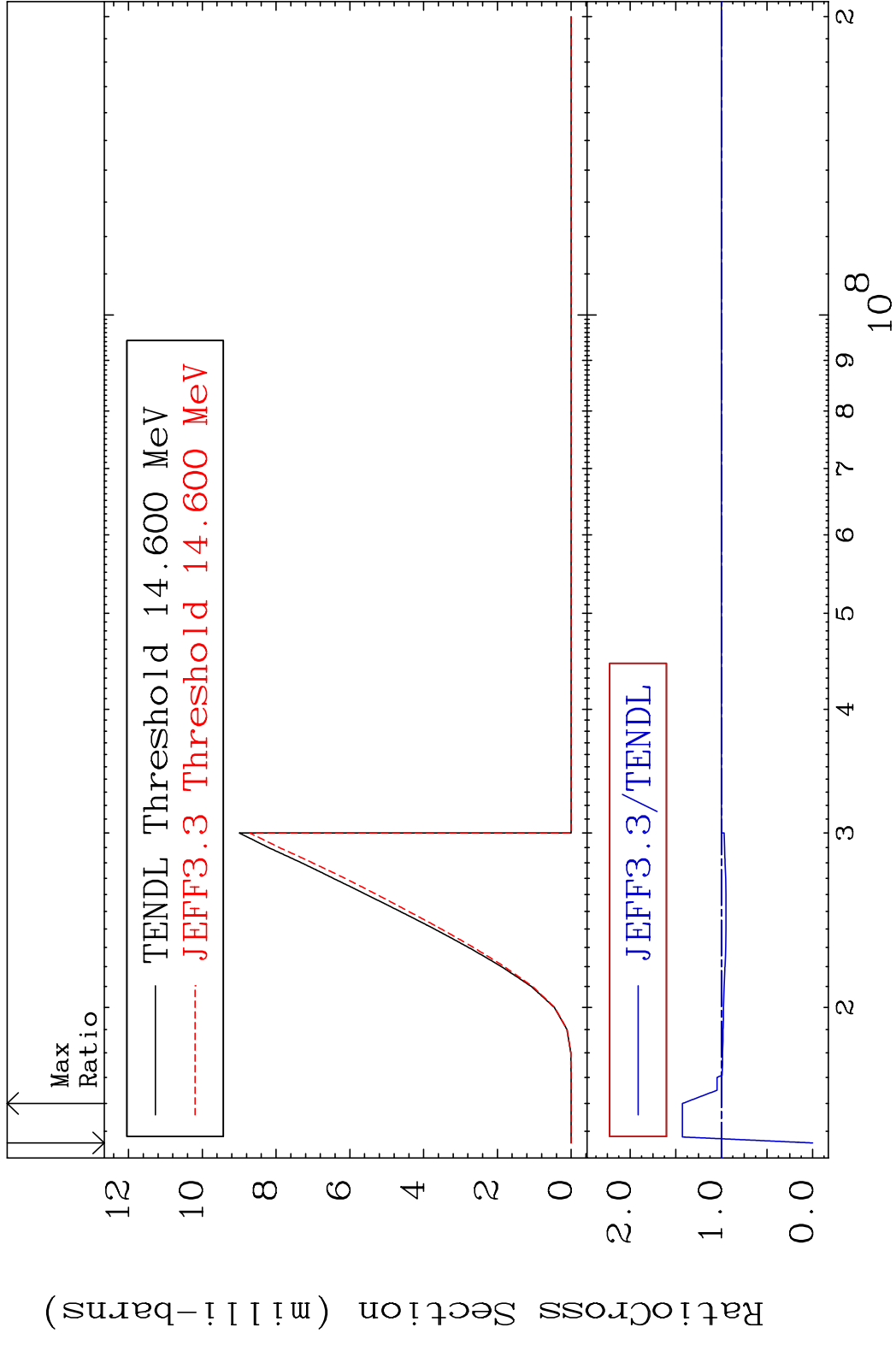


MAT 2028

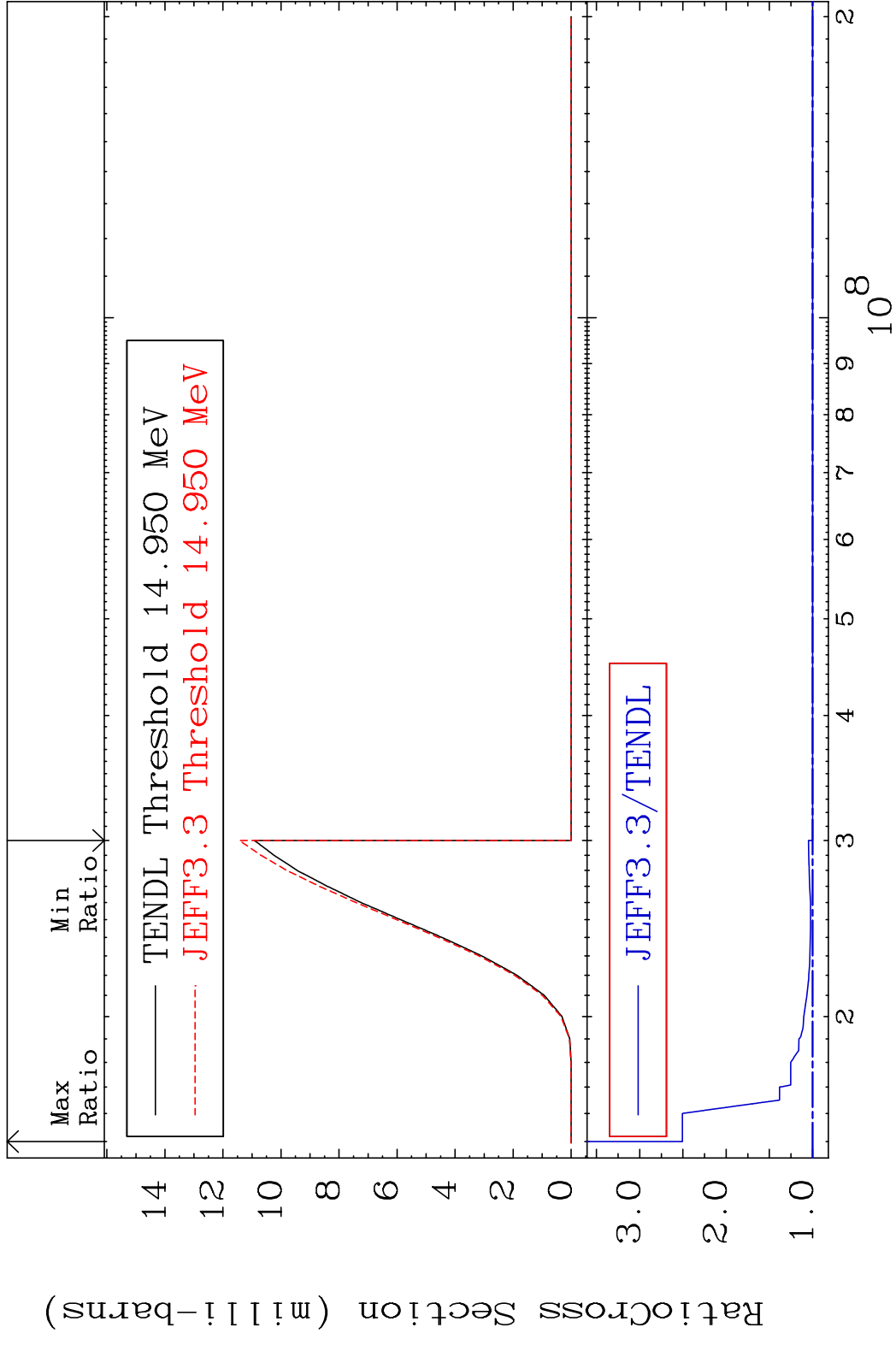
(n,p) d

²⁰Ca-41

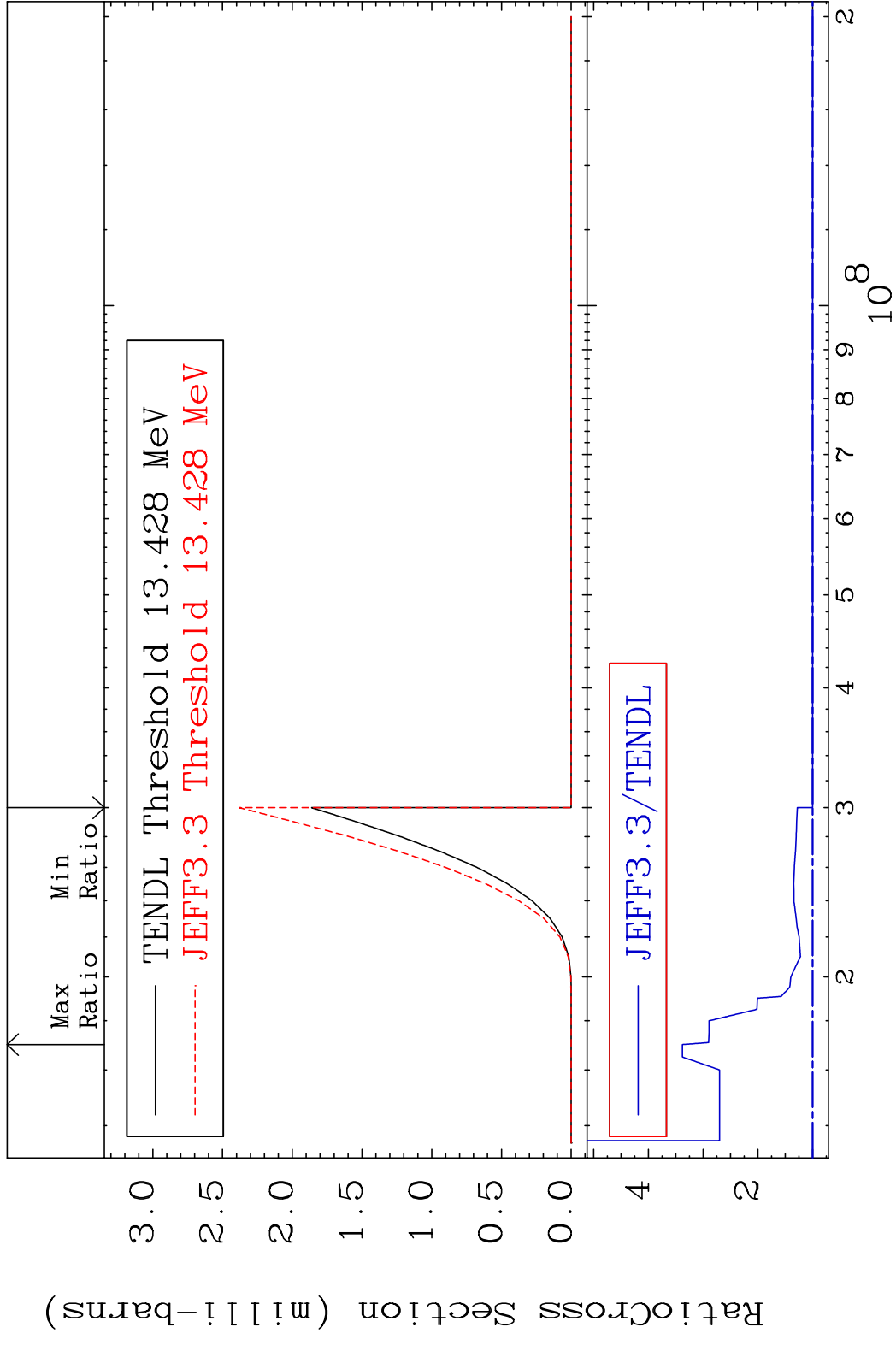
Cross Section -100.0 To 42.73 %



MAT 2028 (n,p) t 20-Ca-41
 Cross Section 0.000 To 150.7 %



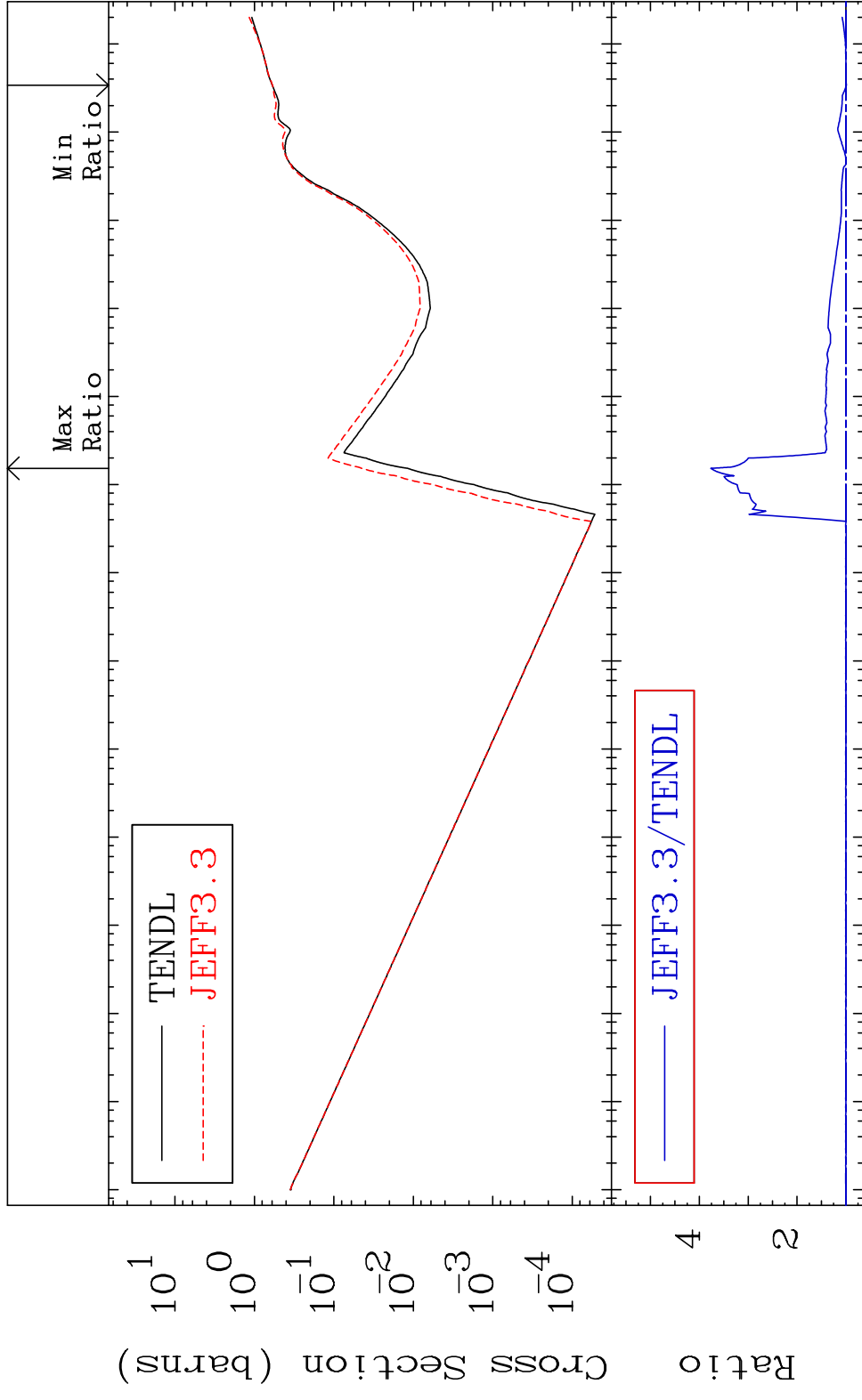
MAT 2028 (n,d) α 20-Ca-41
 Cross Section 0.000 To 238.1 %



MAT 2028

Hydrogen Production
Cross Section -0.945 To 276.7 %

20-Ca-41



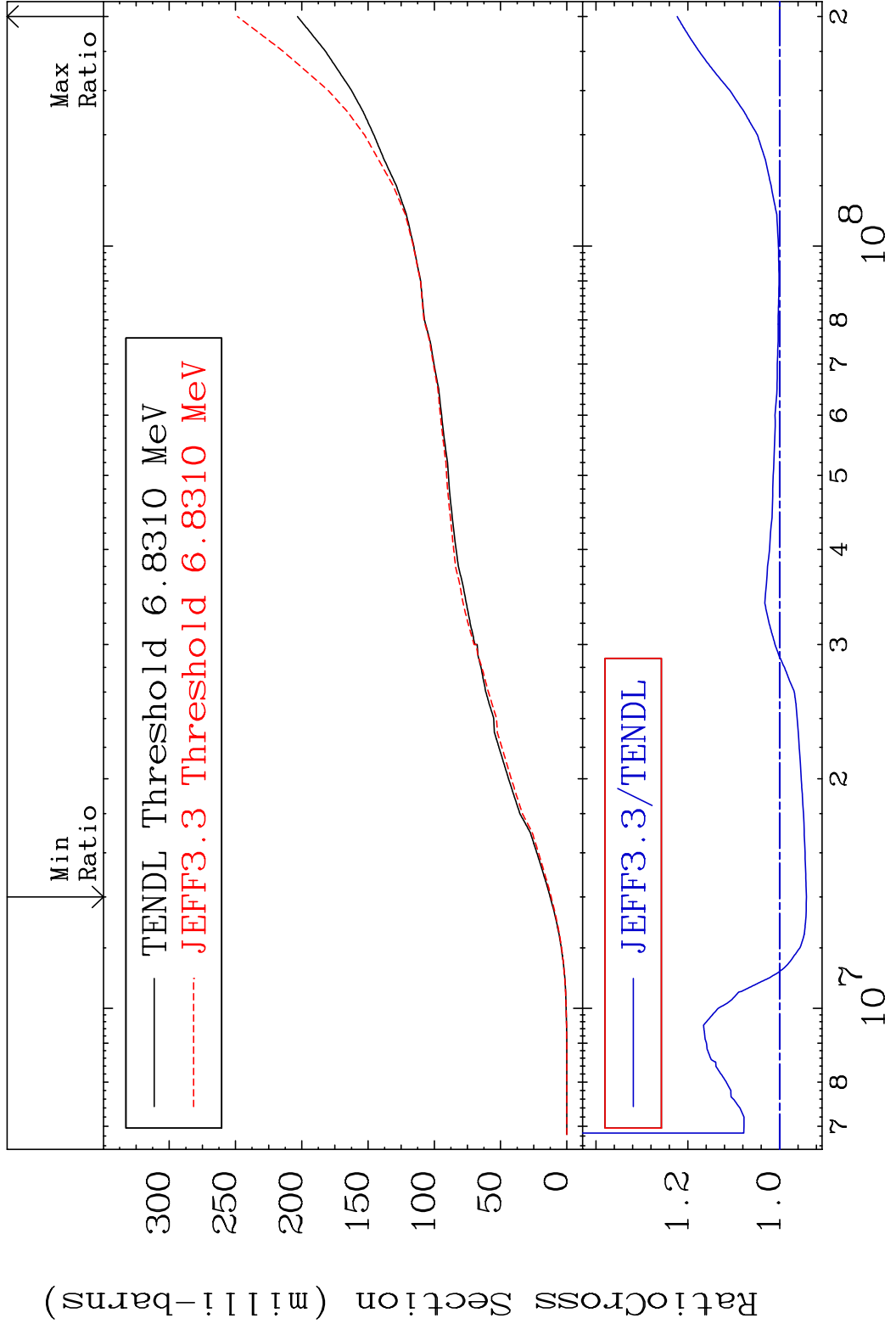
45

Incident Energy (eV)

20-Ca-41

MAT 2028

Deuterium Production 20-Ca-41
Cross Section -5.825 To 22.30 %

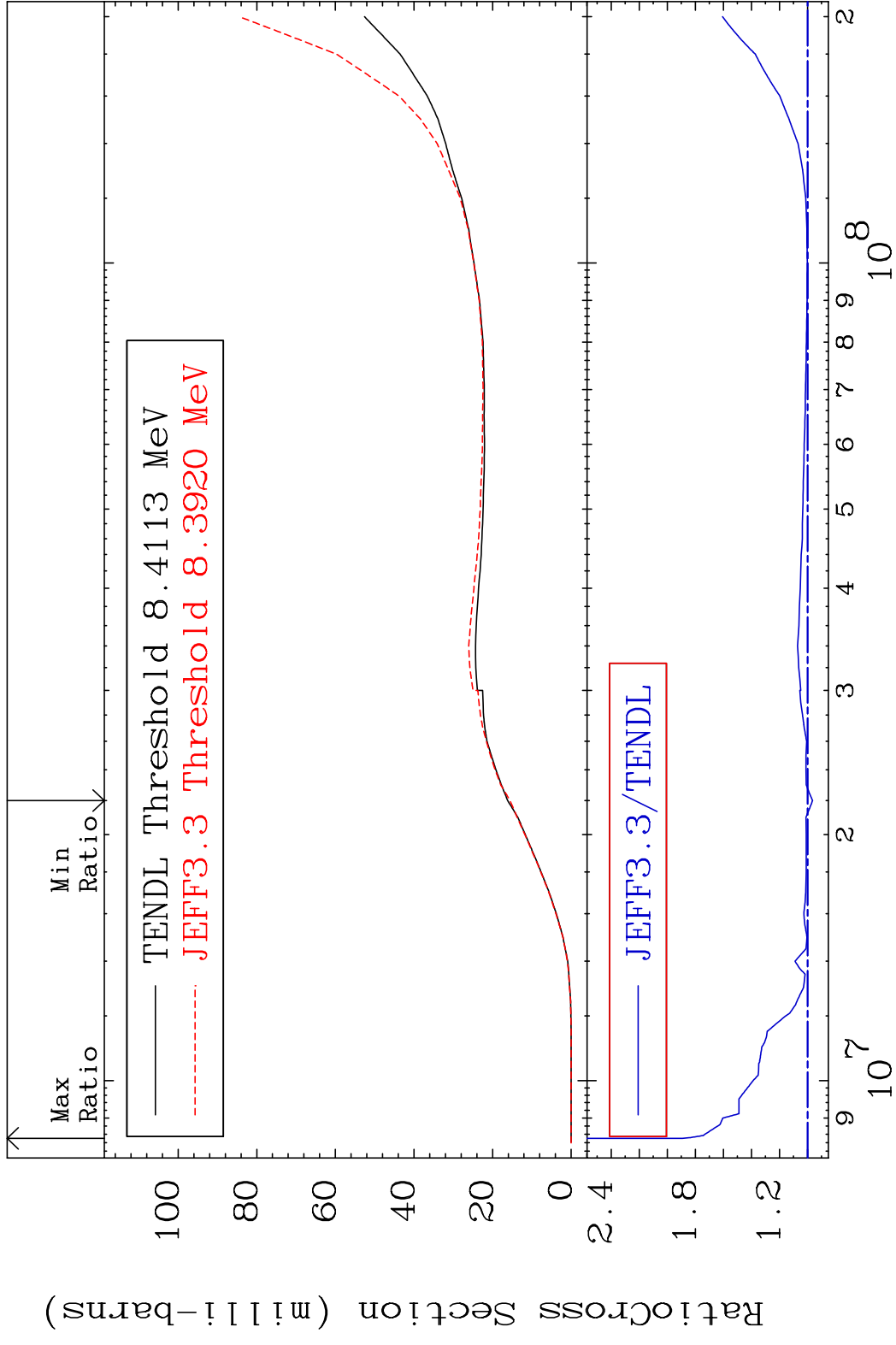


46

Incident Energy (eV) 20-Ca-41

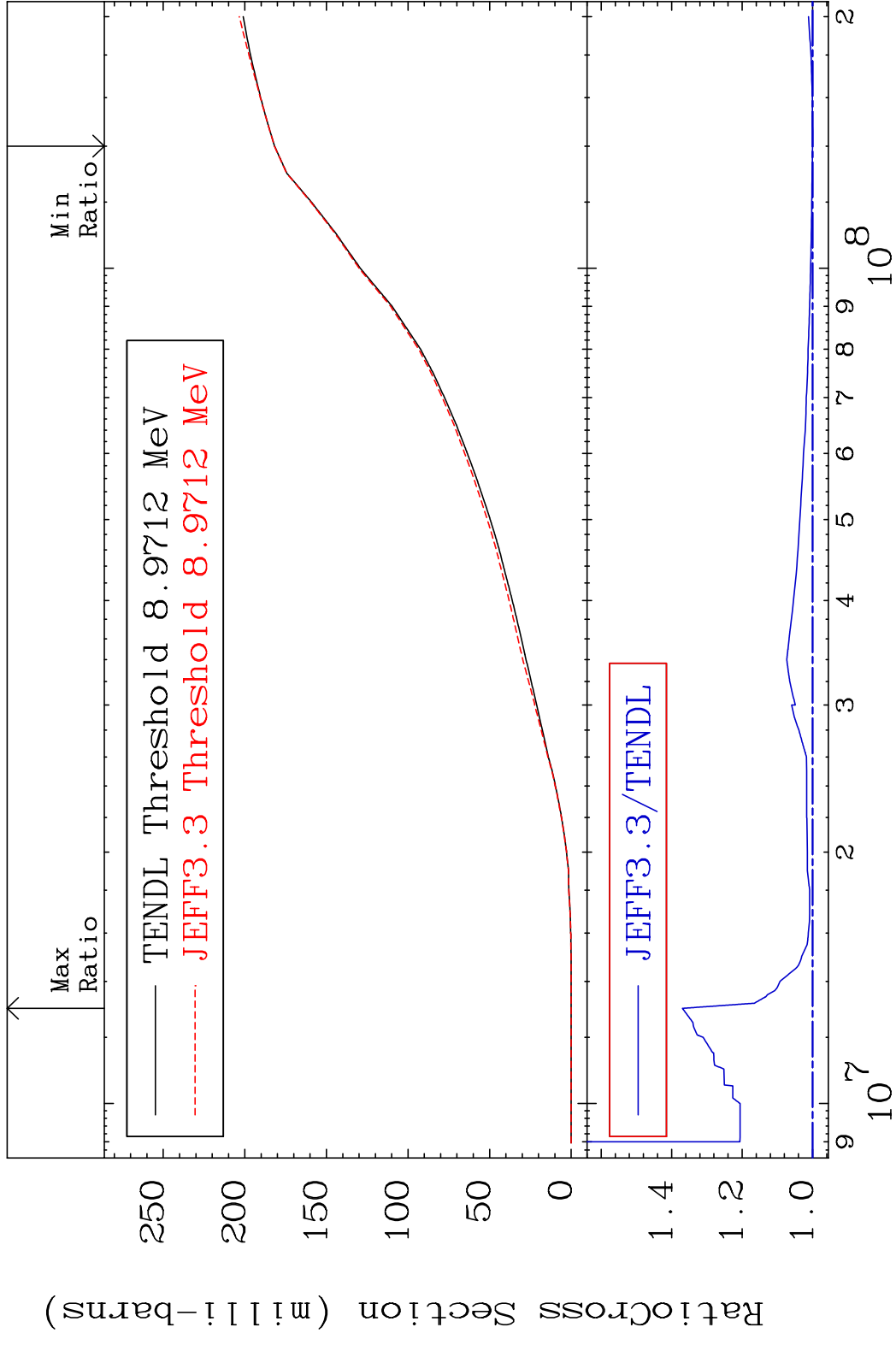
MAT 2028

Tritium Production 20-Ca-41
Cross Section -3.601 To 89.24 %



47

MAT 2028 He-3 Production 20-Ca-41
 Cross Section 0.015 To 36.96 %



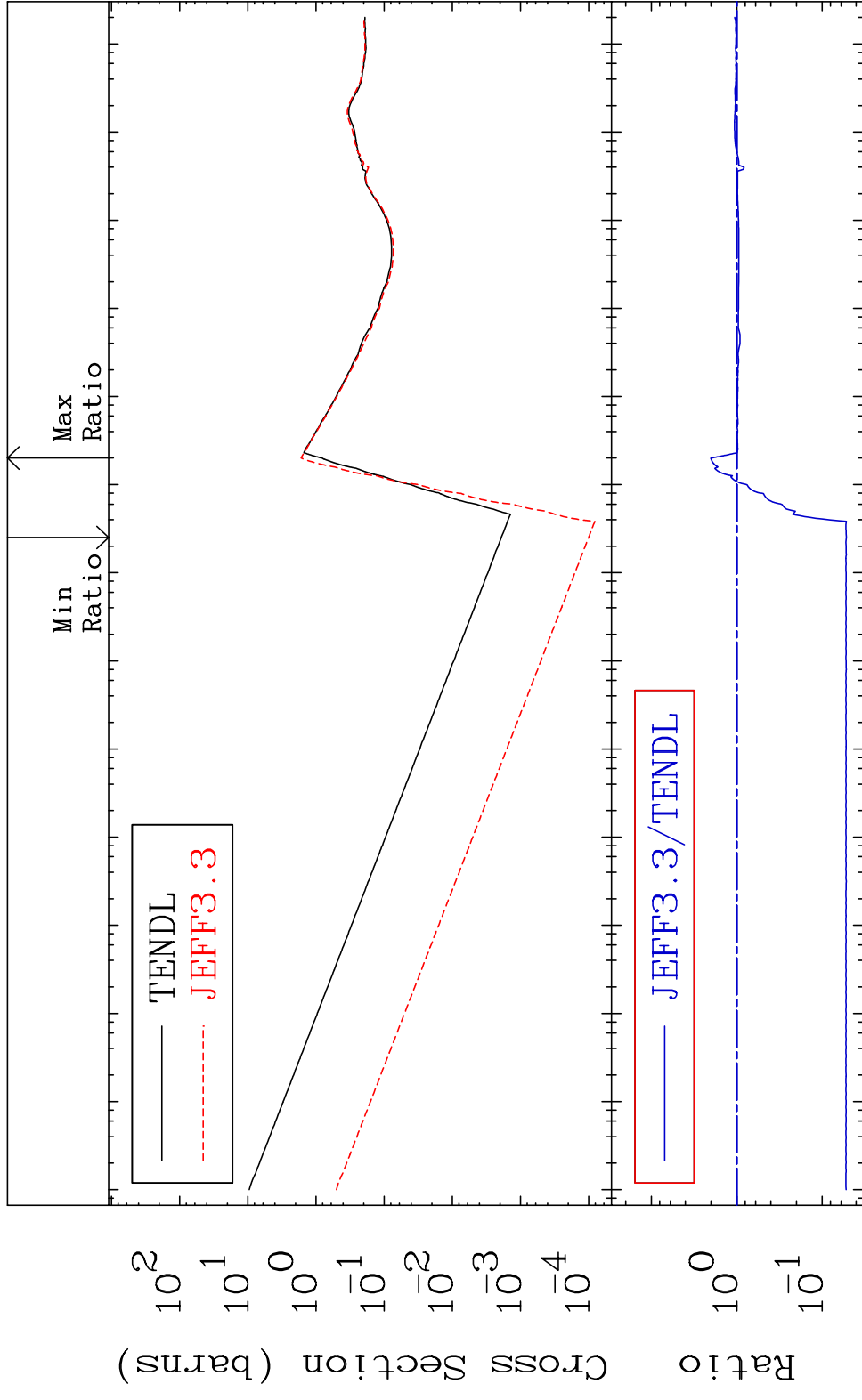
48 20-Ca-41

MAT 2028

He-4 Production

20-Ca-41

Cross Section -94.78 To 102.1 %



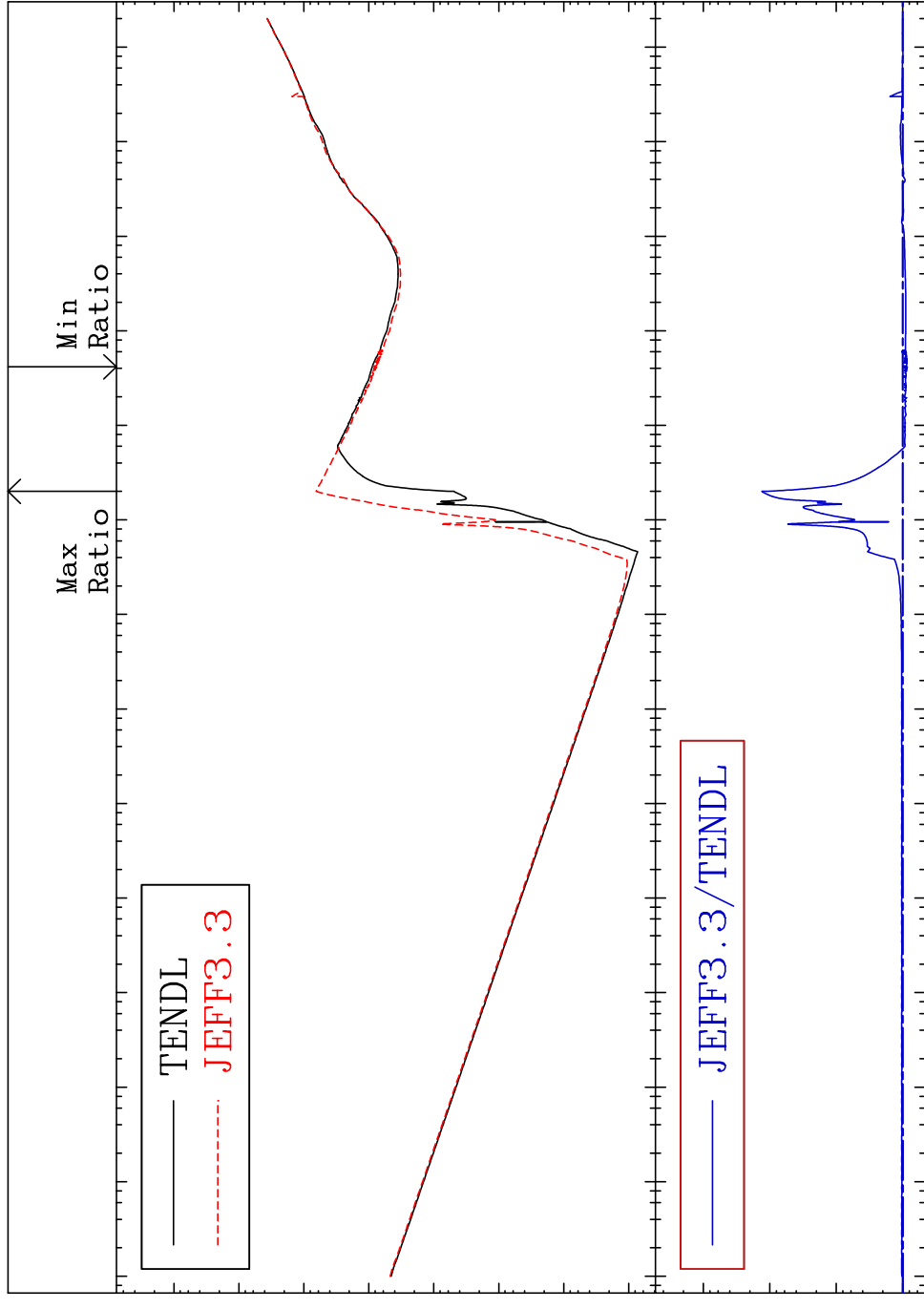
49

Incident Energy (eV)

20-Ca-41

MAT 2028

Kerma total (eV-barns) 20-Ca-41
Cross Section -14.20 To 9999. %



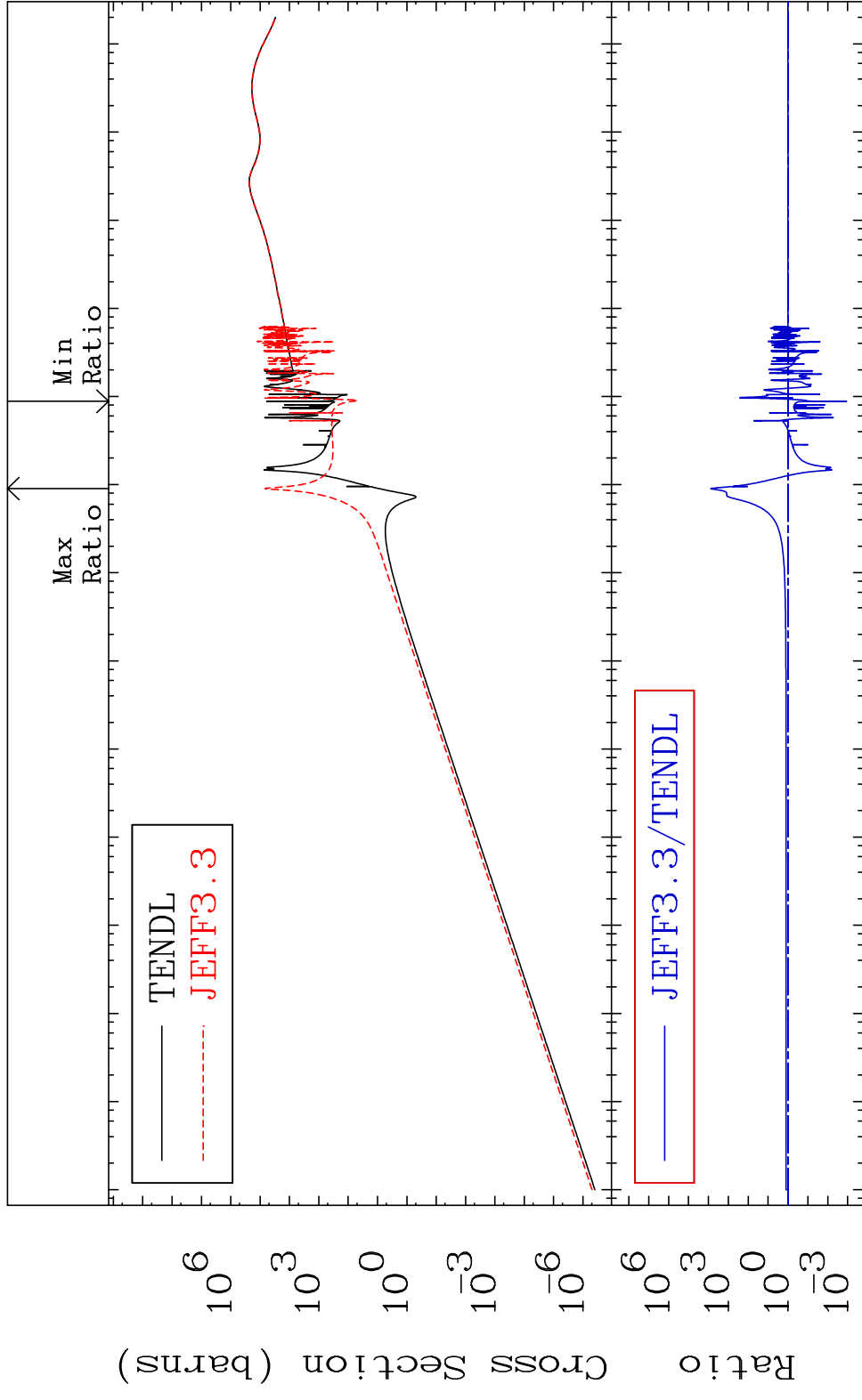
50

Incident Energy (eV) 20-Ca-41

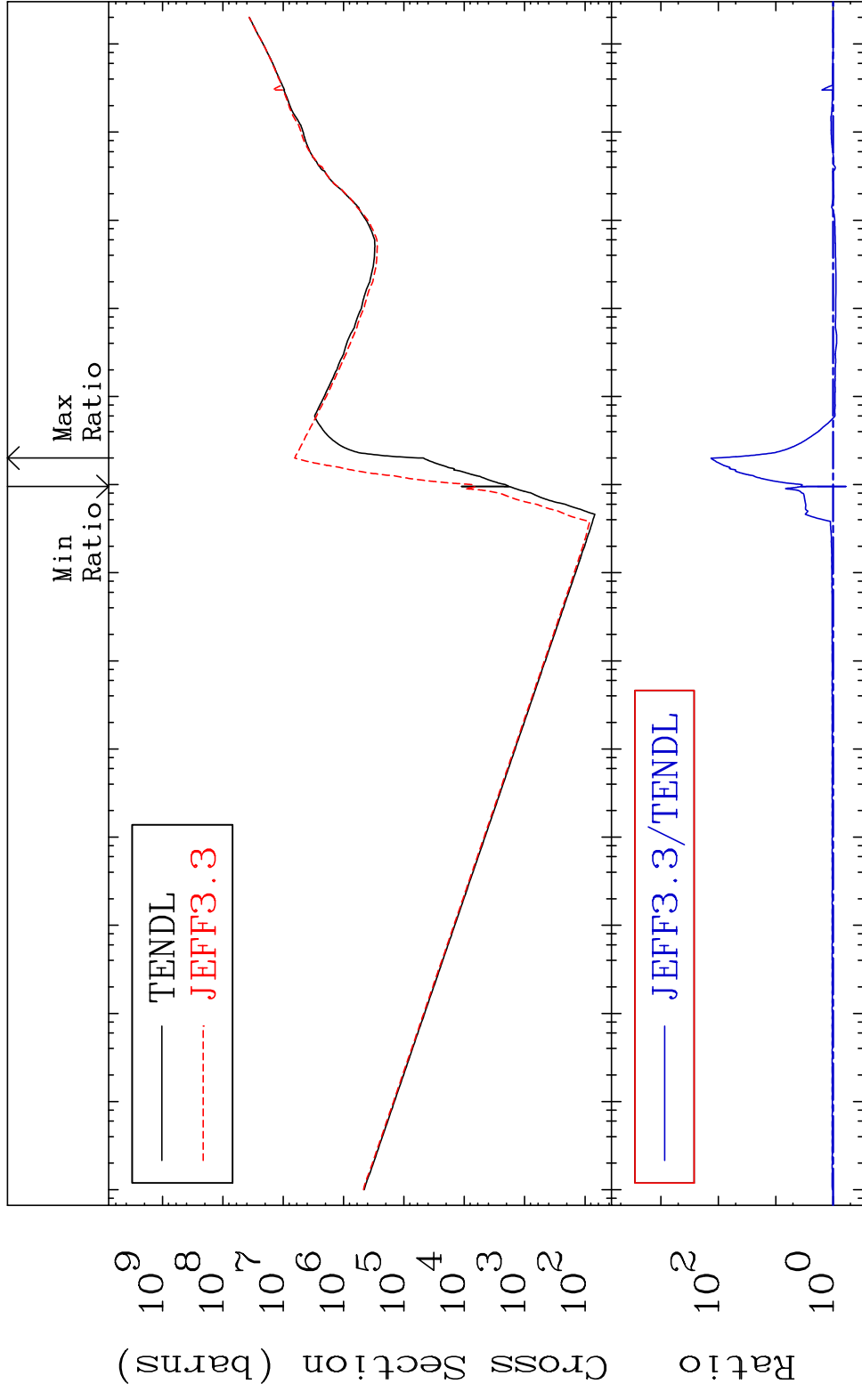
MAT 2028

Kerma elastic
Cross Section

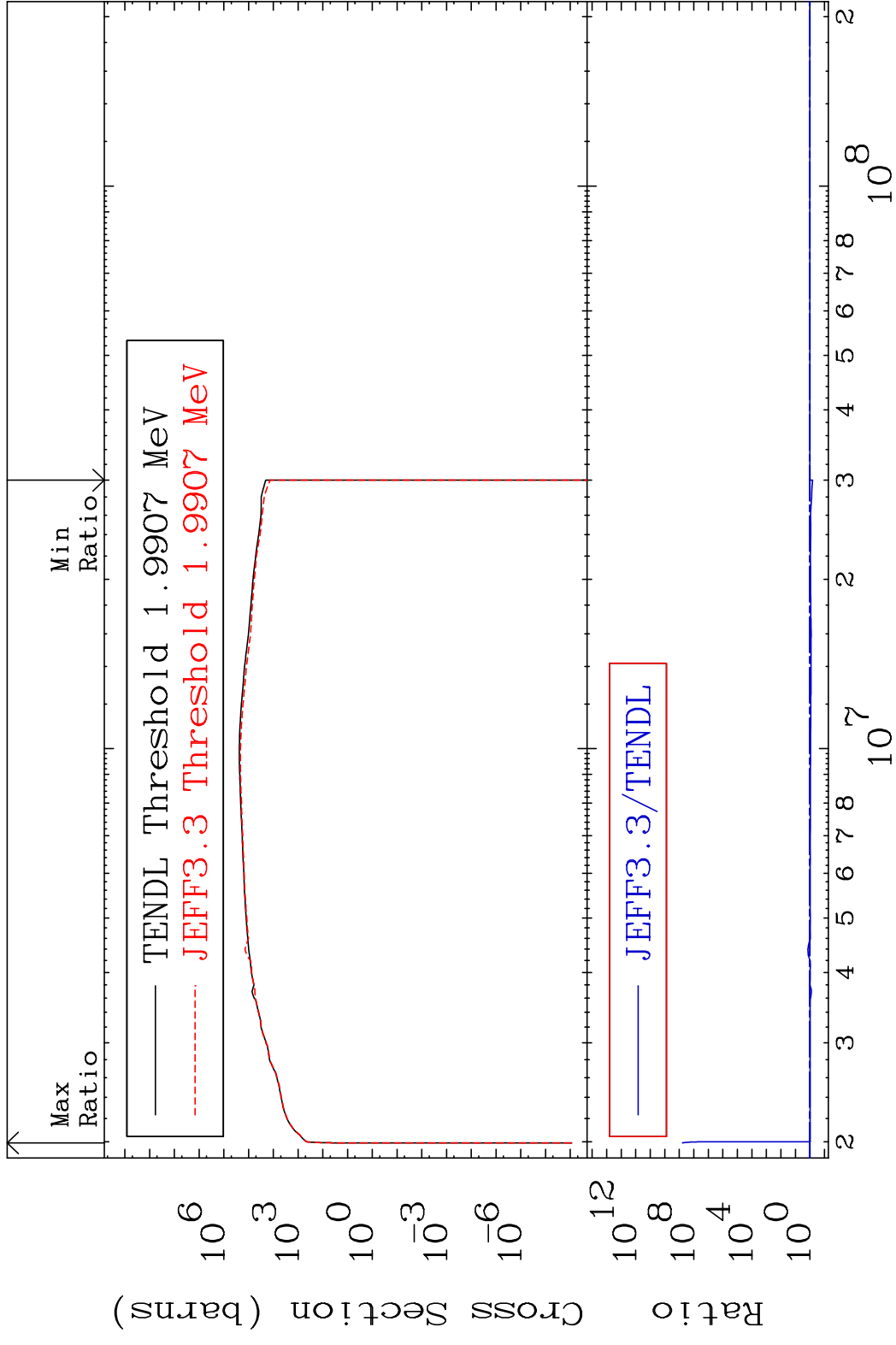
20-Ca-41
-99.88 To 9999. %



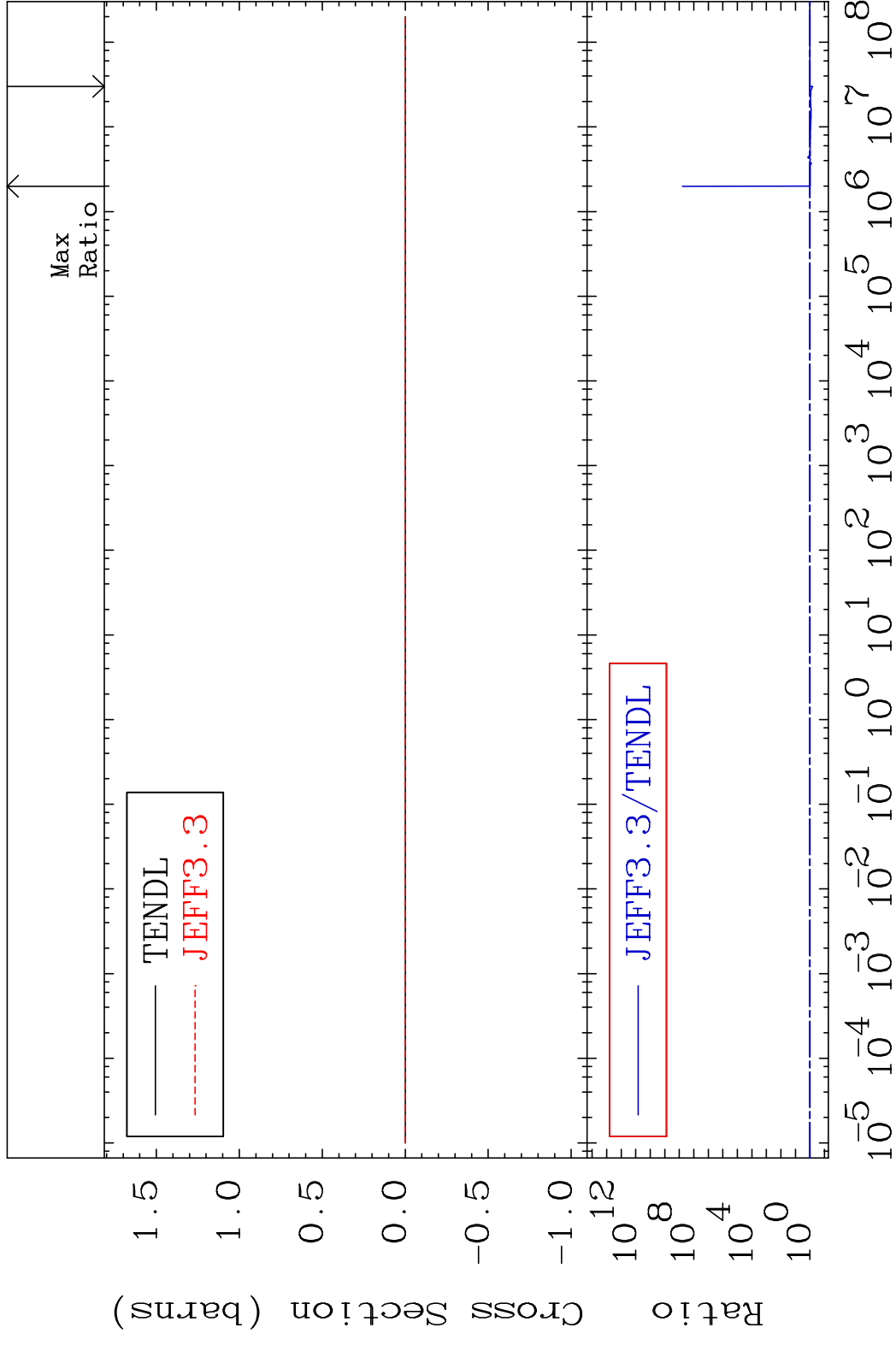
MAT 2028 Kerma non-elastic (all but mt2) 20-Ca-41
 Cross Section -41.15 To 9999. %



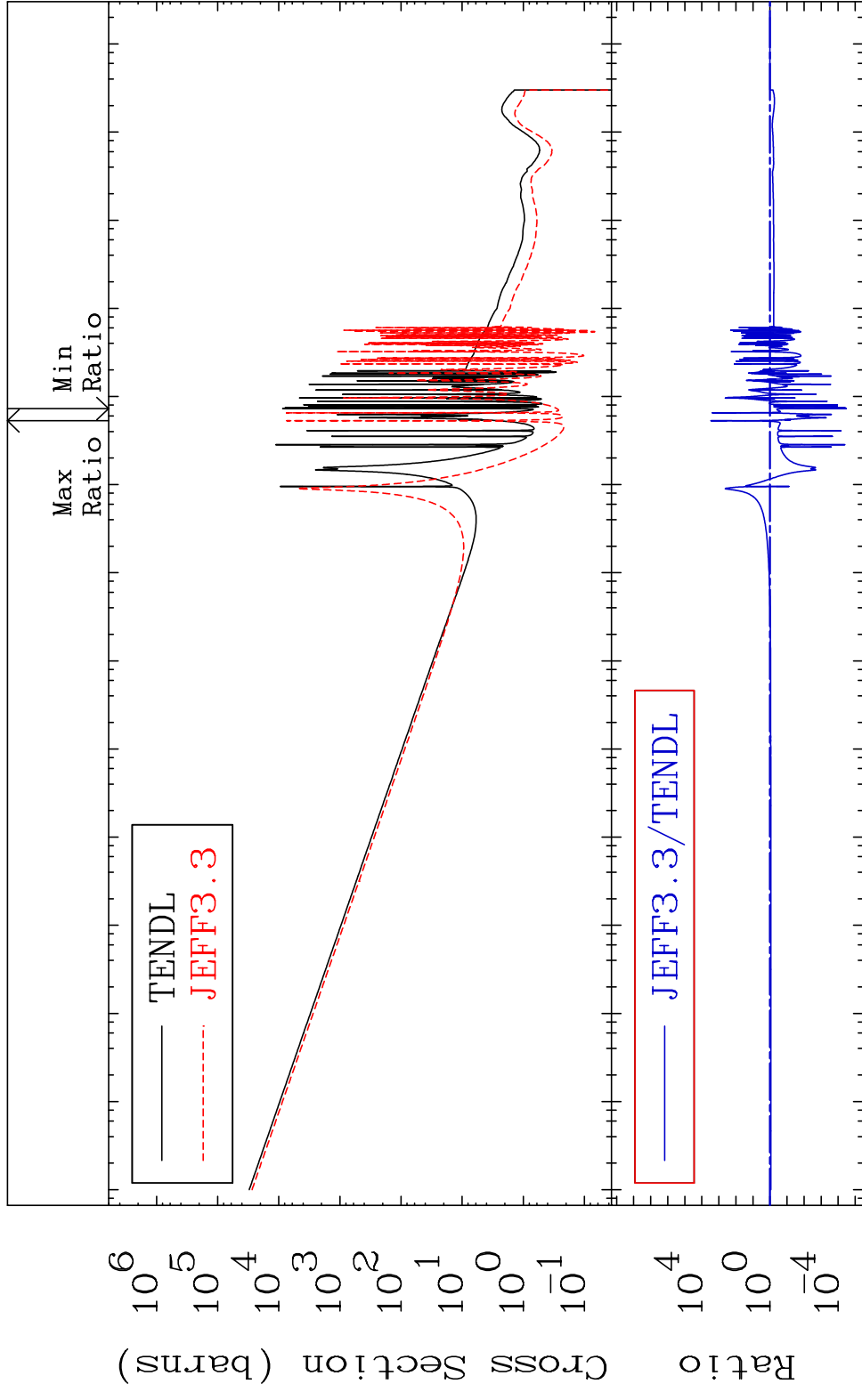
MAT 2028 Kerma inelastic (mt51-91) 20-Ca-41
 Cross Section -34.33 To 9999. %



MAT 2028 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-41
 Cross Section -34.33 To 9999. %

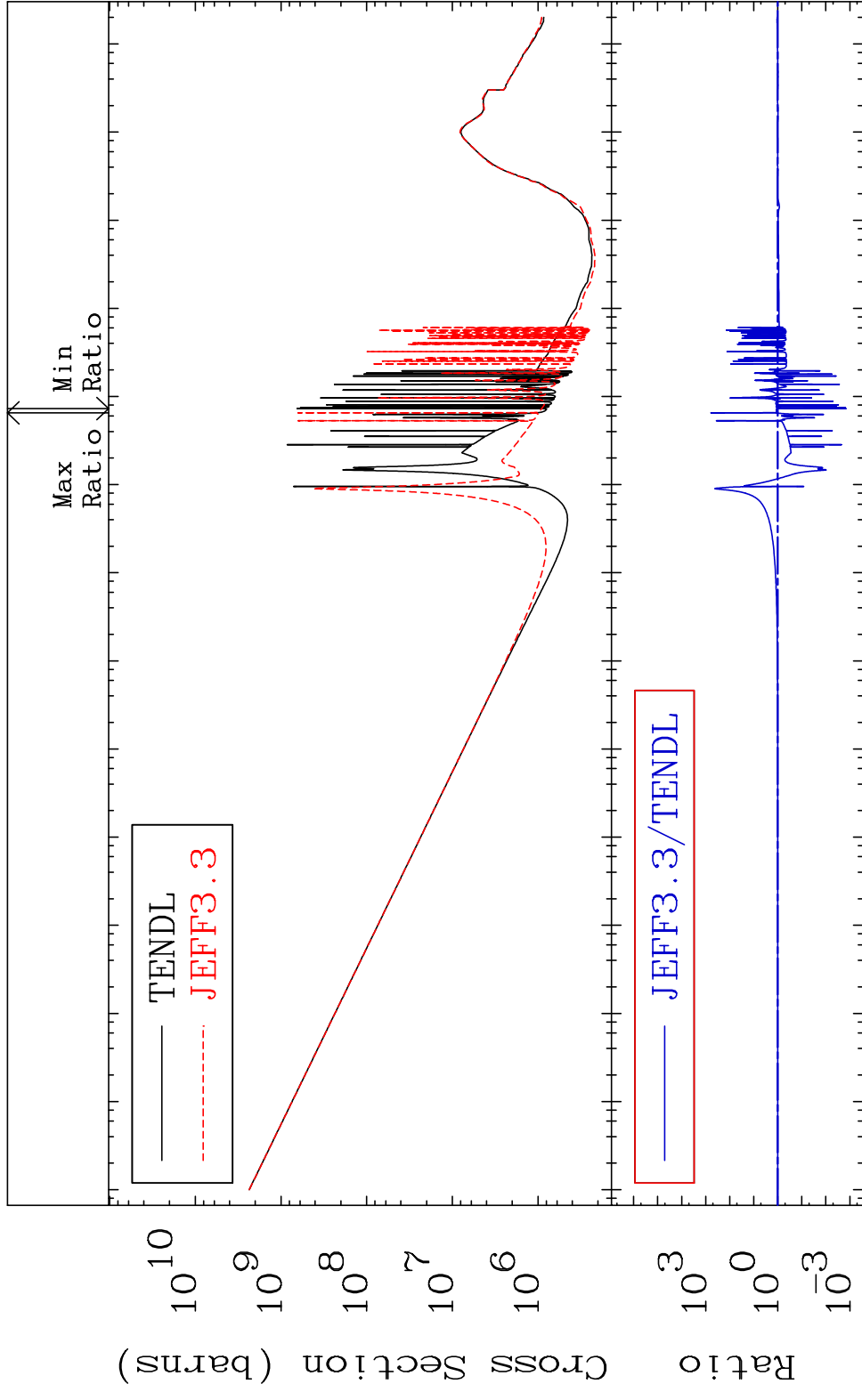


MAT 2028 Kerma capture (mt102) 20-Ca-41
 Cross Section -100.0 To 9999. %

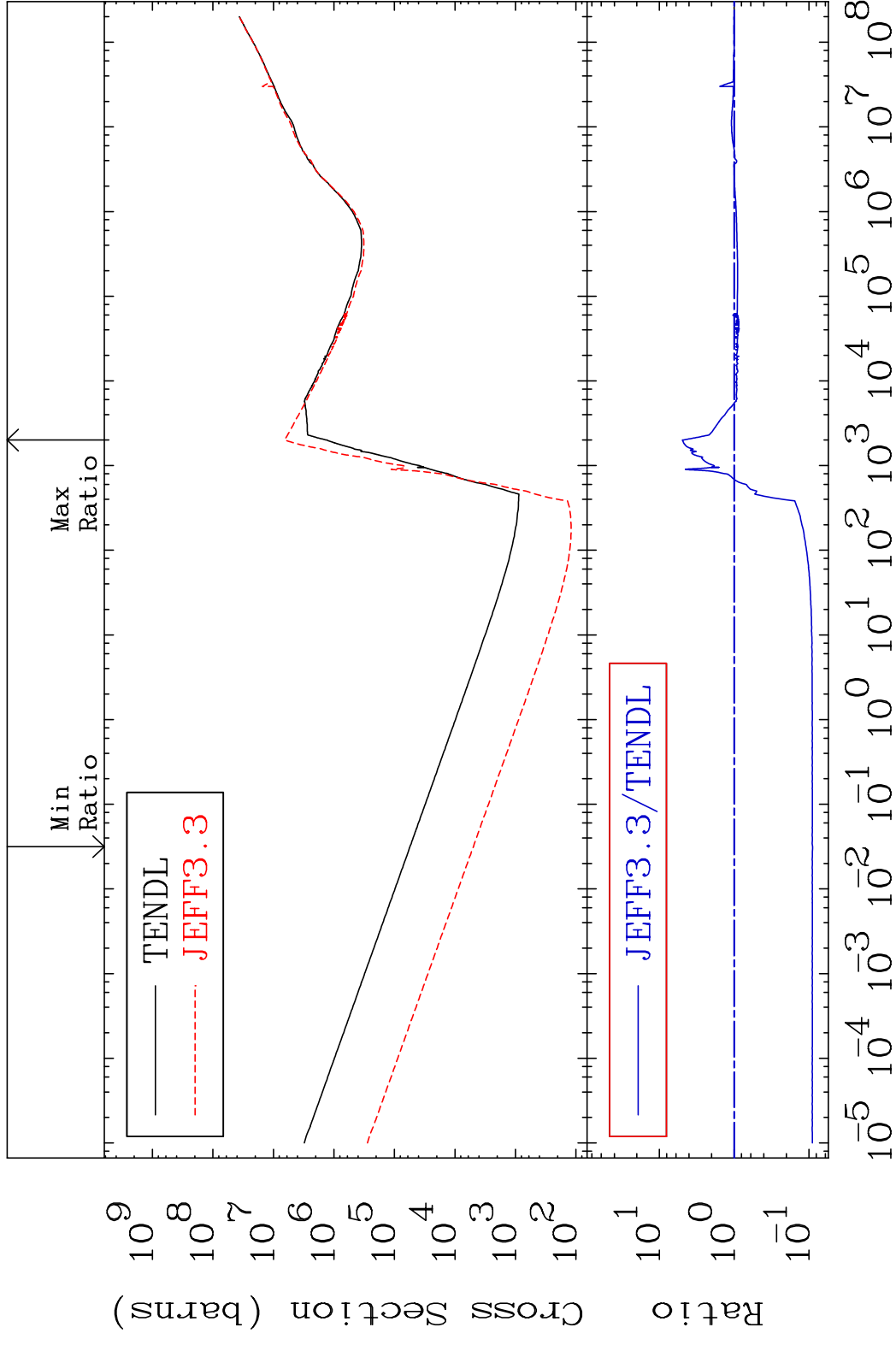


55 Incident Energy (eV) 20-Ca-41

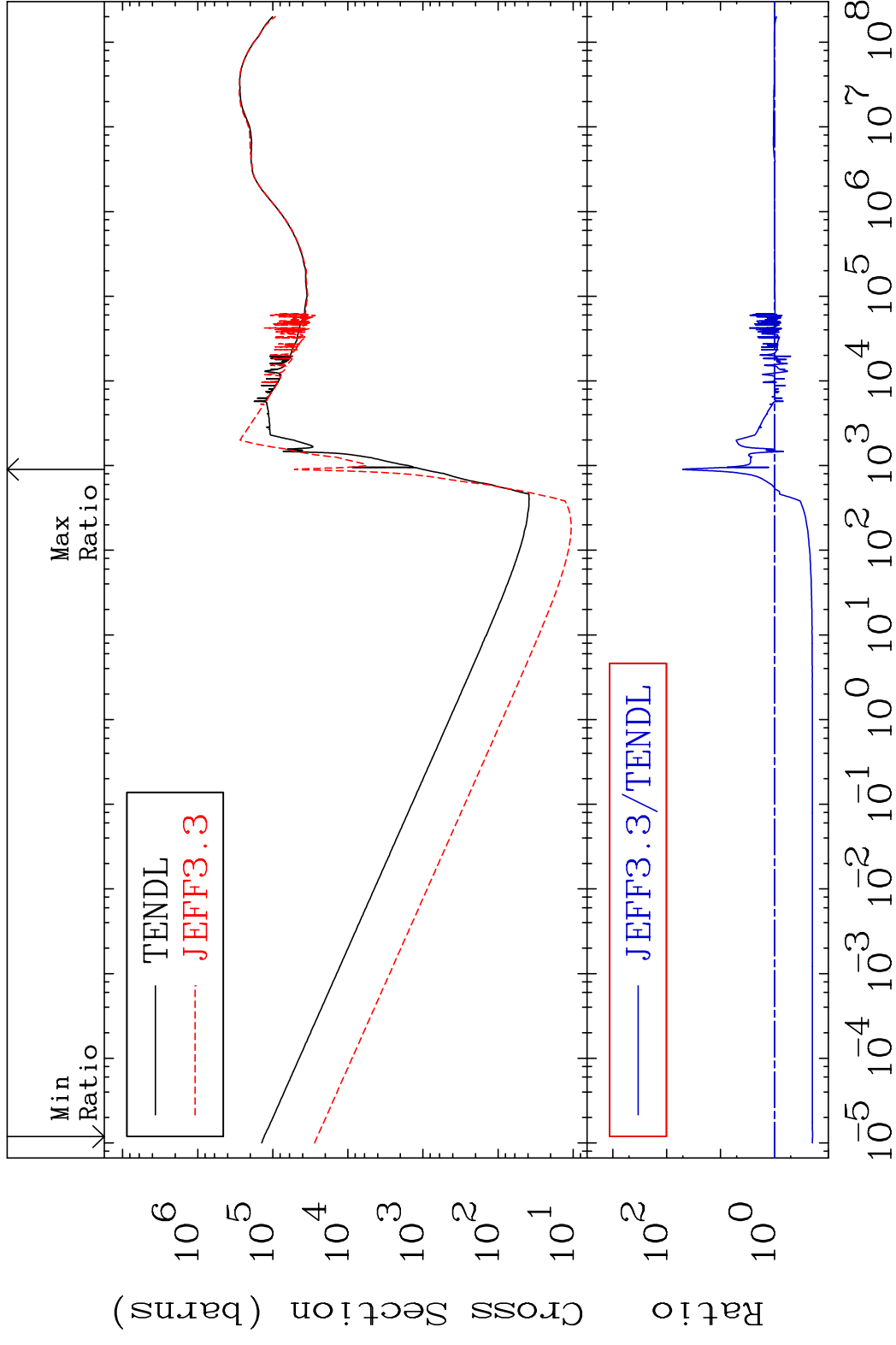
MAT 2028 Total photon (eV-barns) 20-Ca-41
 Cross Section -99.86 To 9999. %



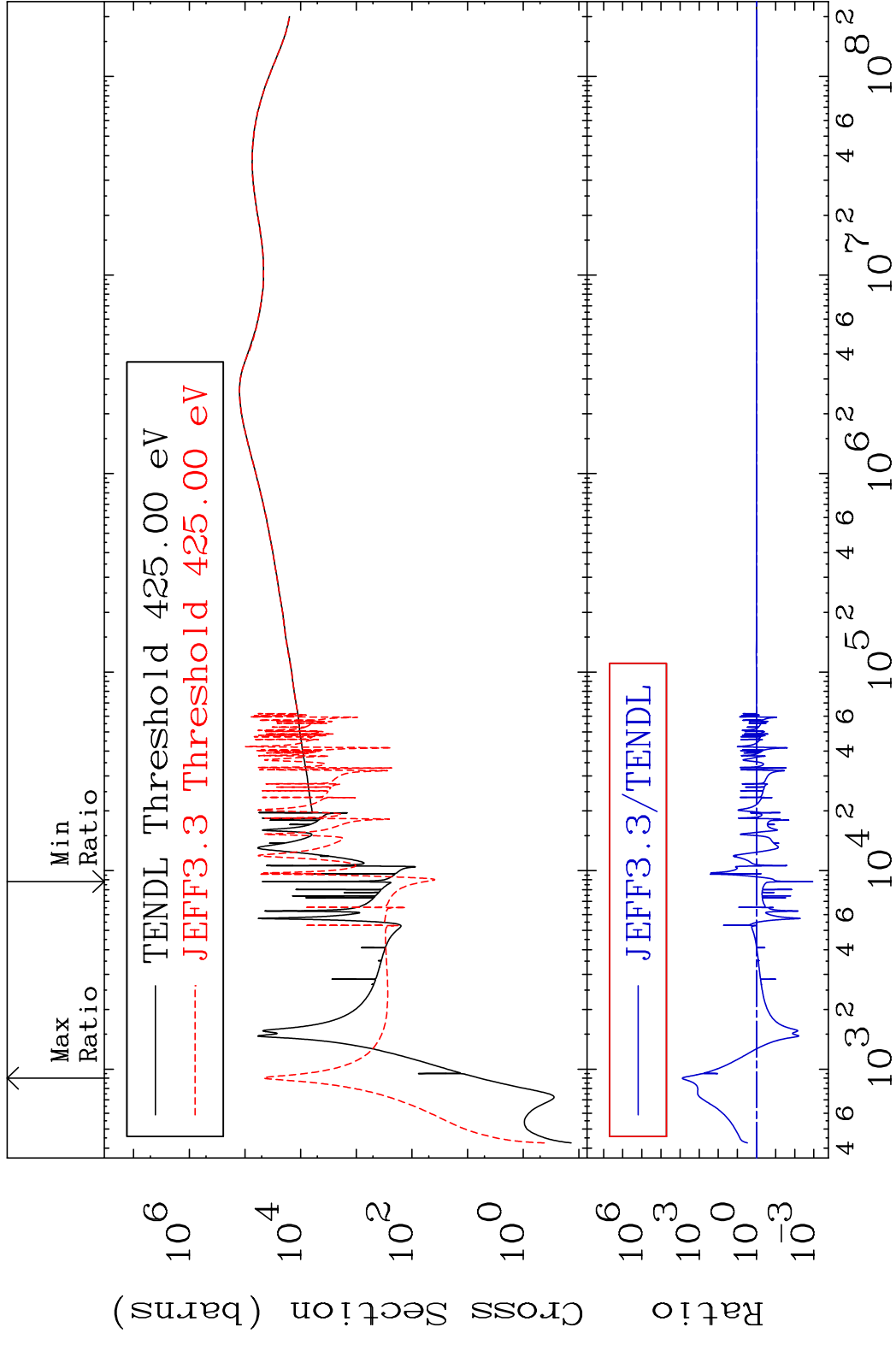
MAT 2028 Total kinematic kerma (high limit) 20-Ca-41
 Cross Section -91.07 To 392.4 %



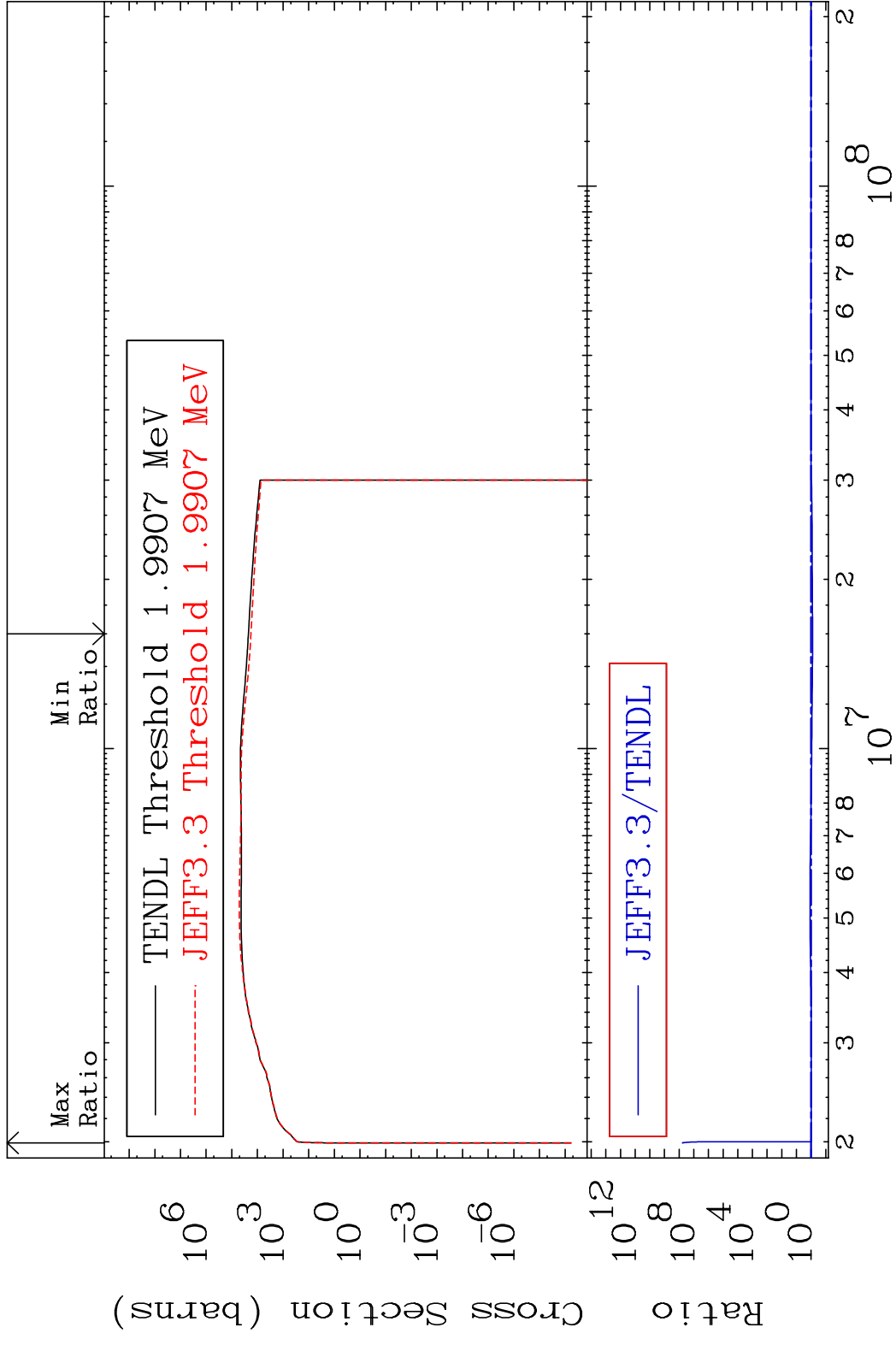
MAT 2028 Dpa total (eV-barns) 20-Ca-41
 Cross Section -80.42 To 5024. %



MAT 2028 Dpa elastic (mt2) 20-Ca-41
 Cross Section -99.88 To 9999. %

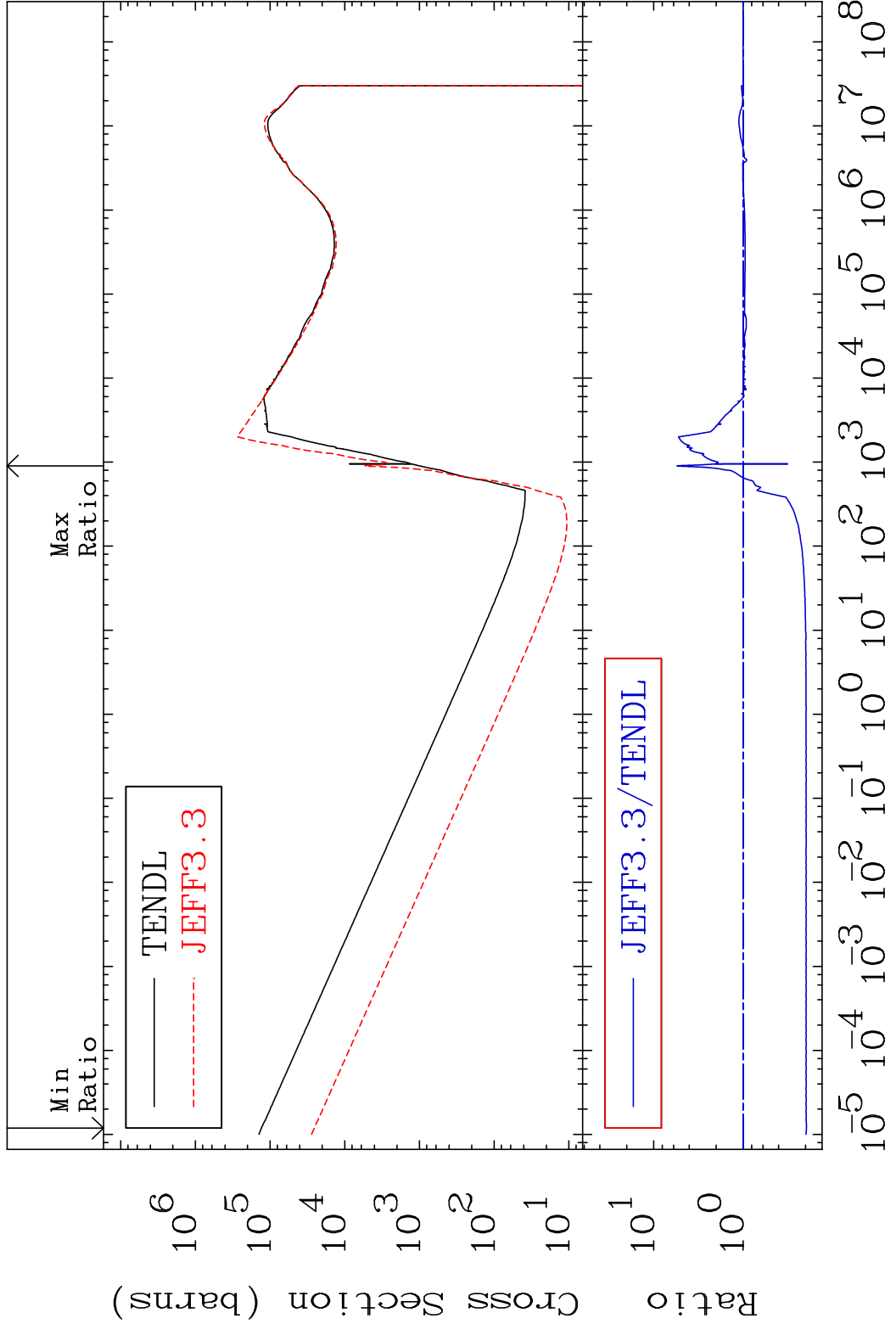


MAT 2028 Dpa inelastic (mt51-91) 20-Ca-41
 Cross Section -20.84 To 9999. %

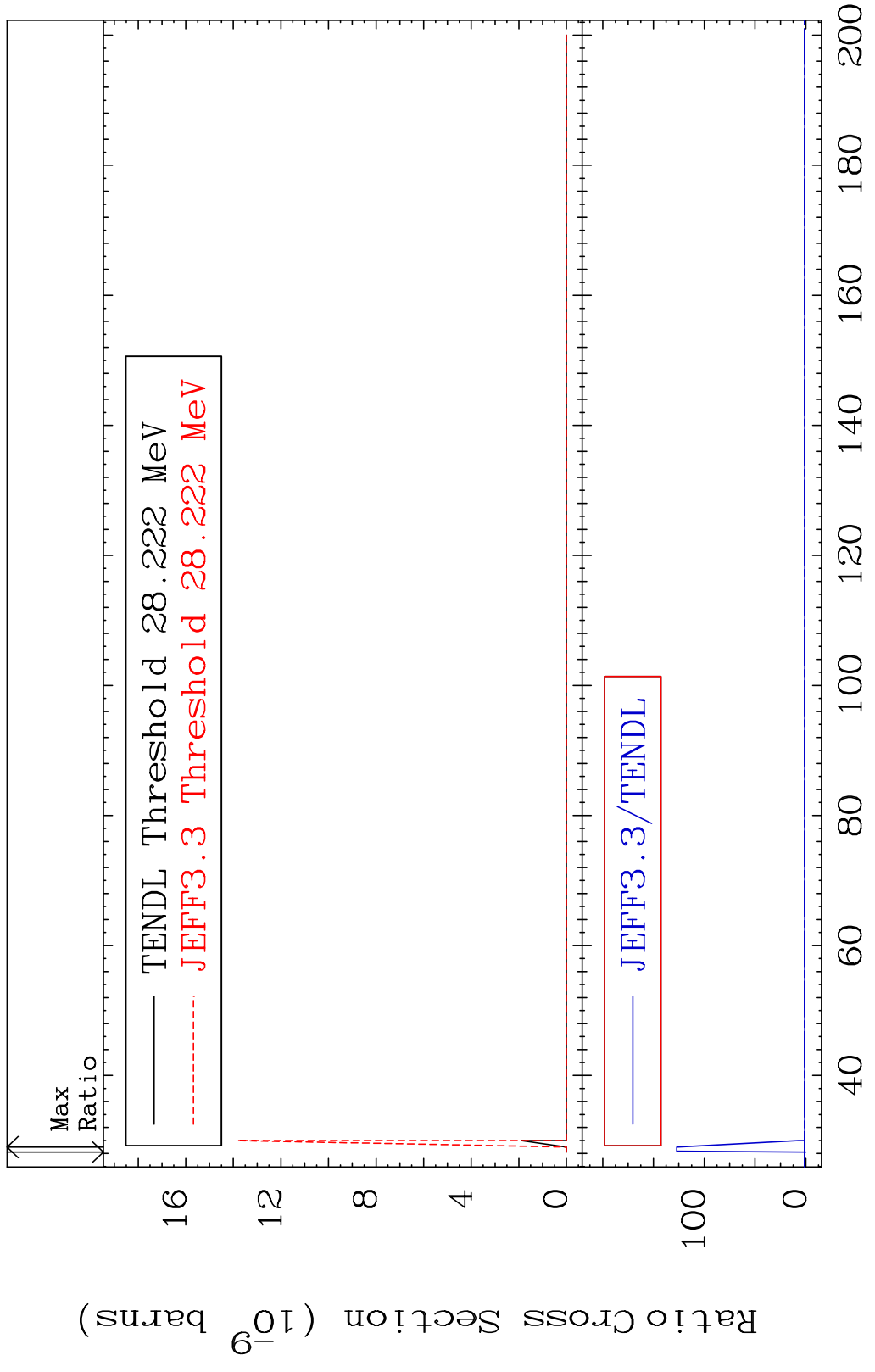


60 Incident Energy (eV) 20-Ca-41

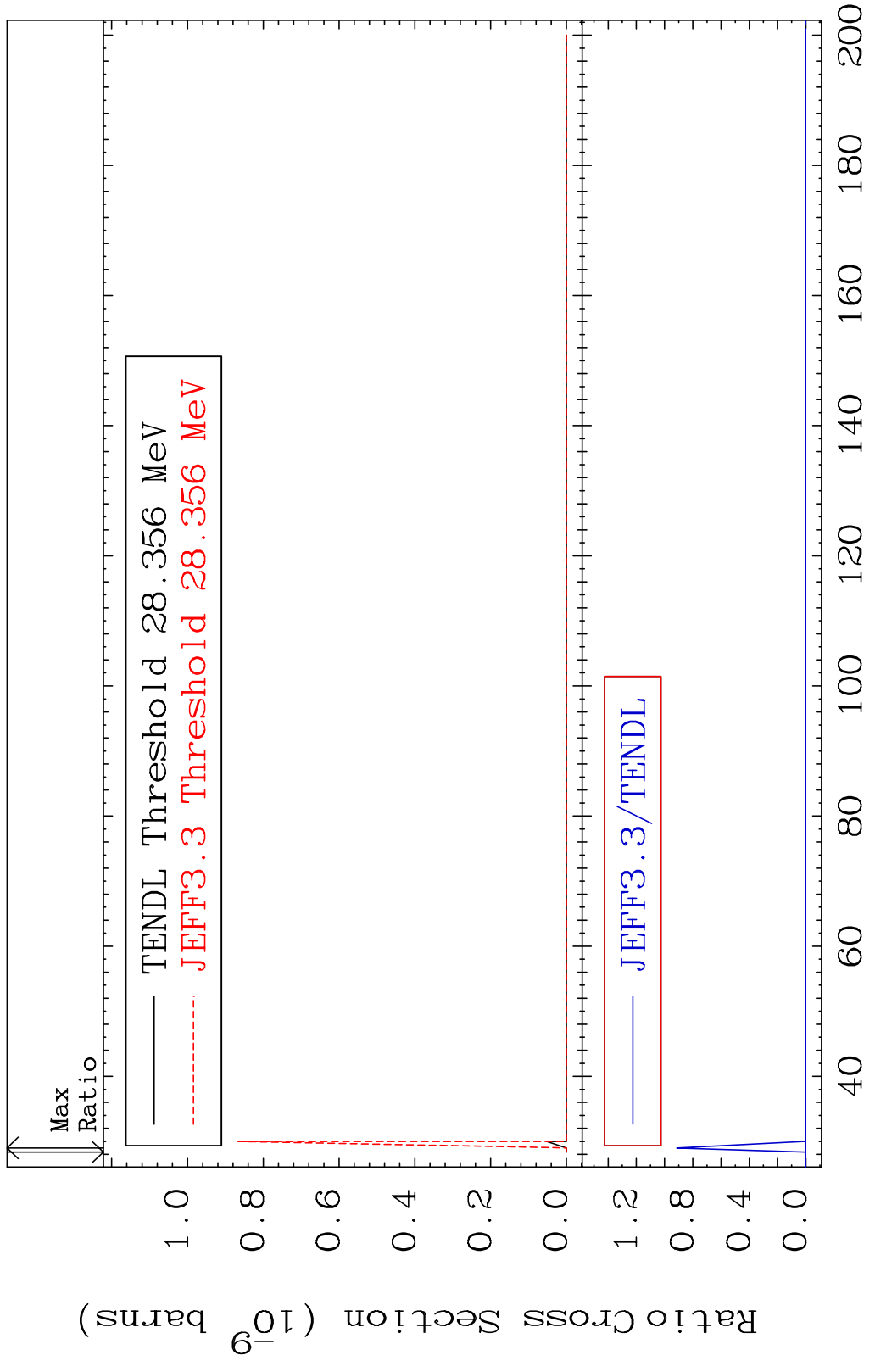
MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41
 Cross Section -80.42 To 445.8 %



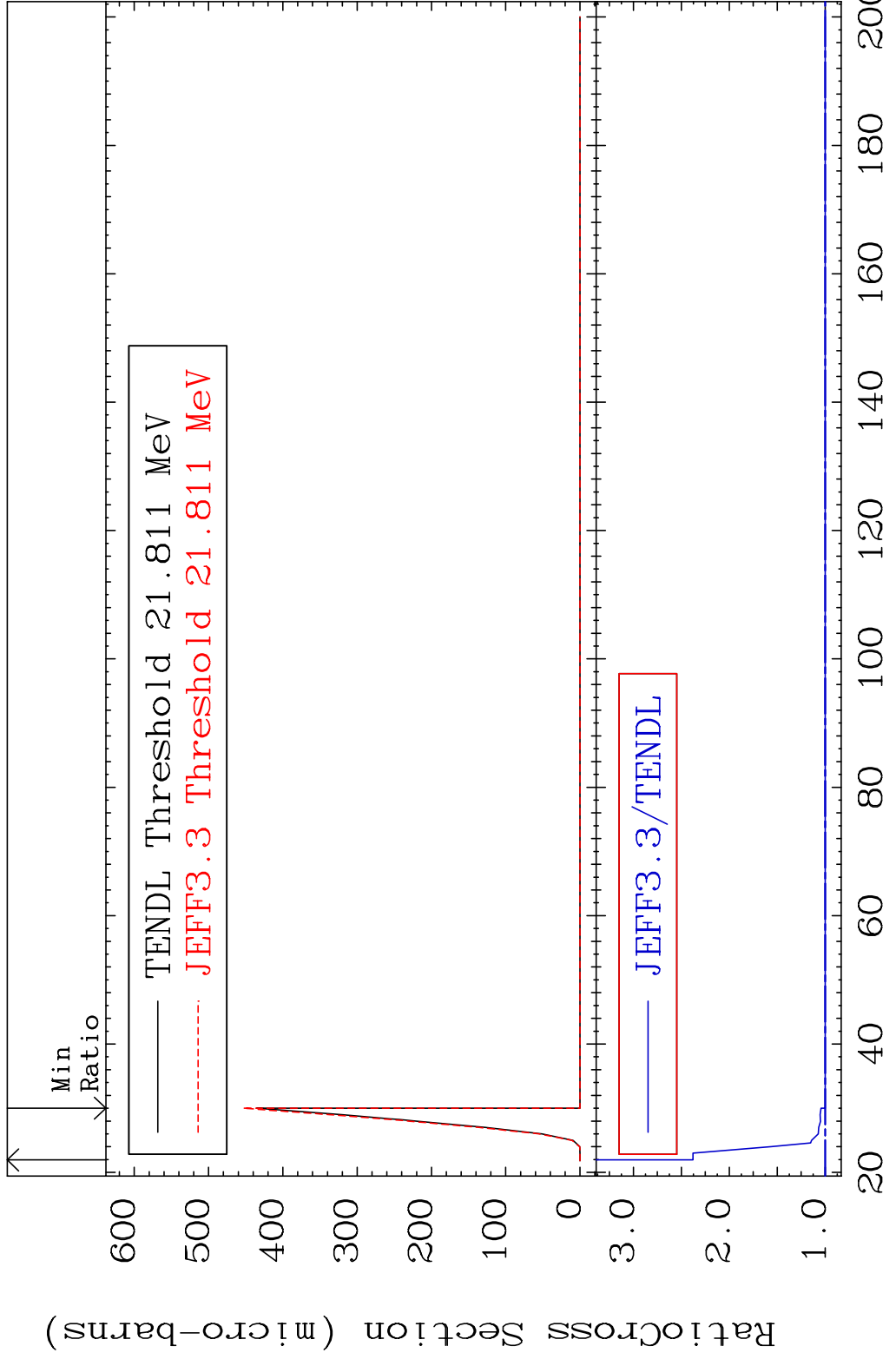
MAT 2028 (n,2n) d:19-K -38g 20-Ca-41
 Radionuclide Production Cross Section Ratio 9999. %



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 137.9 %



MAT 2028 (n, n') t:19-K -38m1 20-Ca-41
 Radionuclide Production Cross Section 180c0i d10 493.2 %

