

Program Complot
(Version 2021-1)

by

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U.S.A.

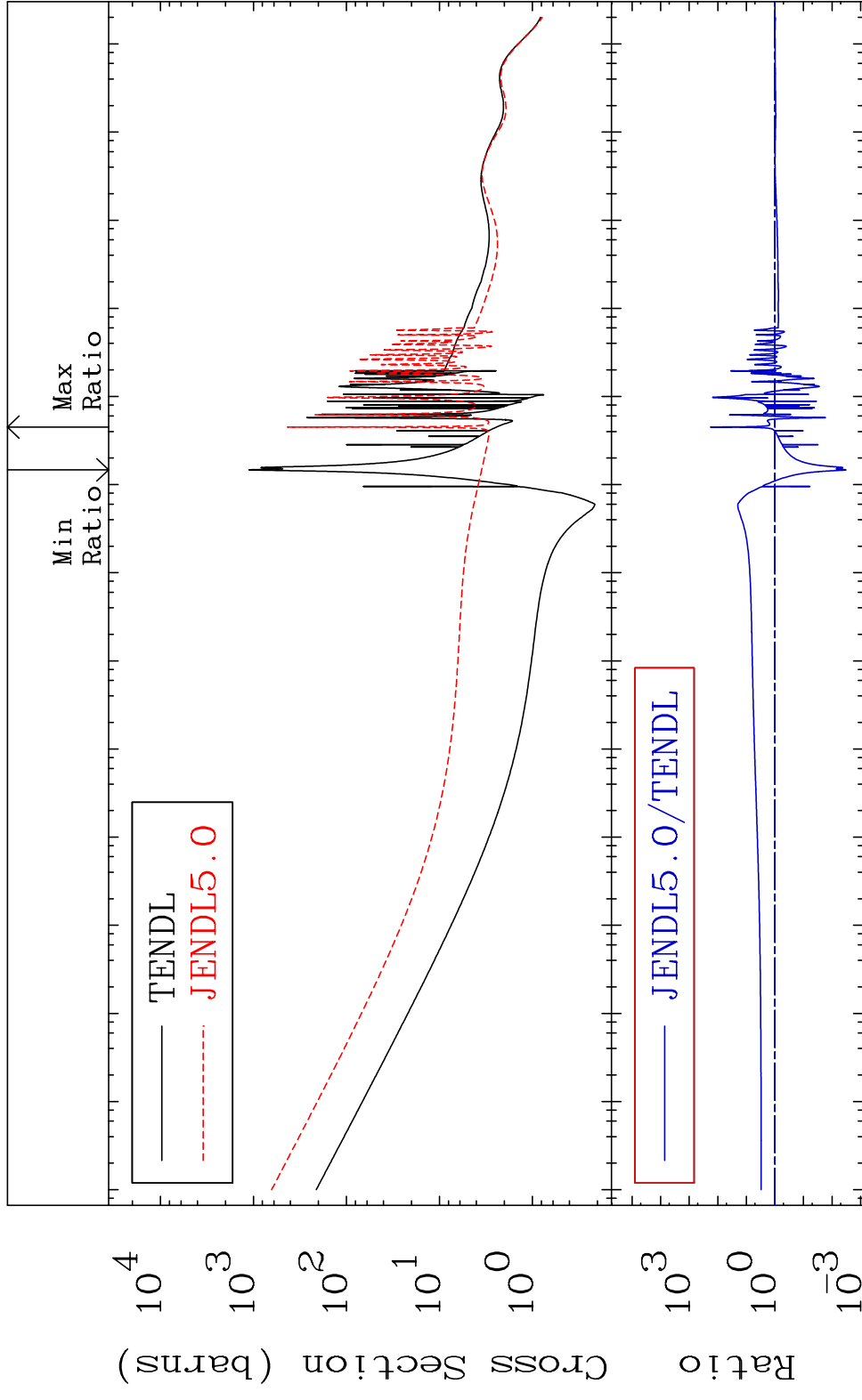
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 2028

Total Cross Section -99.68 To 9999. % 20-Ca-41



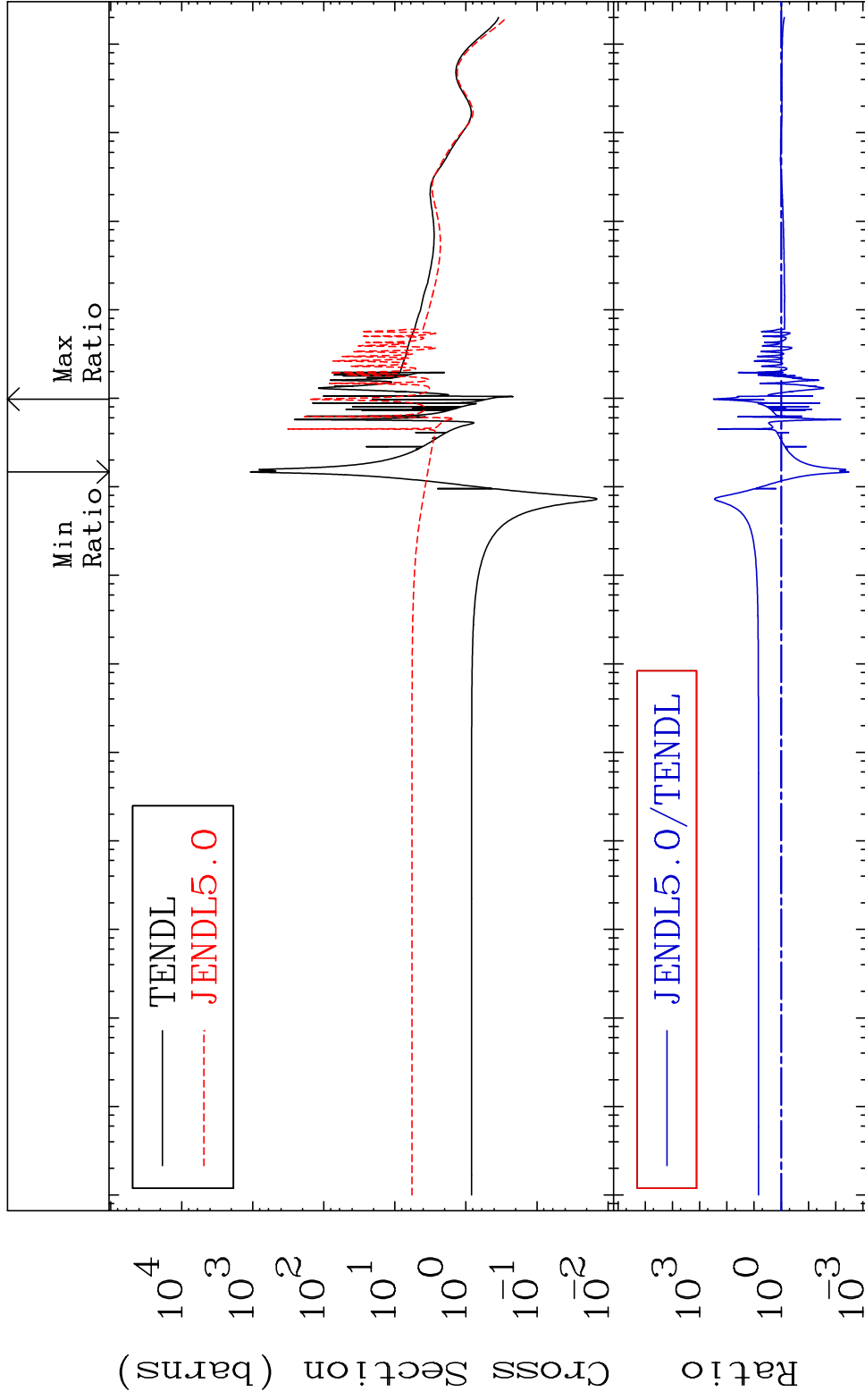
1 Incident Energy (eV) 20-Ca-41

MAT 2028

Elastic

20-Ca-41

Cross Section -99.68 To 9999. %



2

Incident Energy (eV)

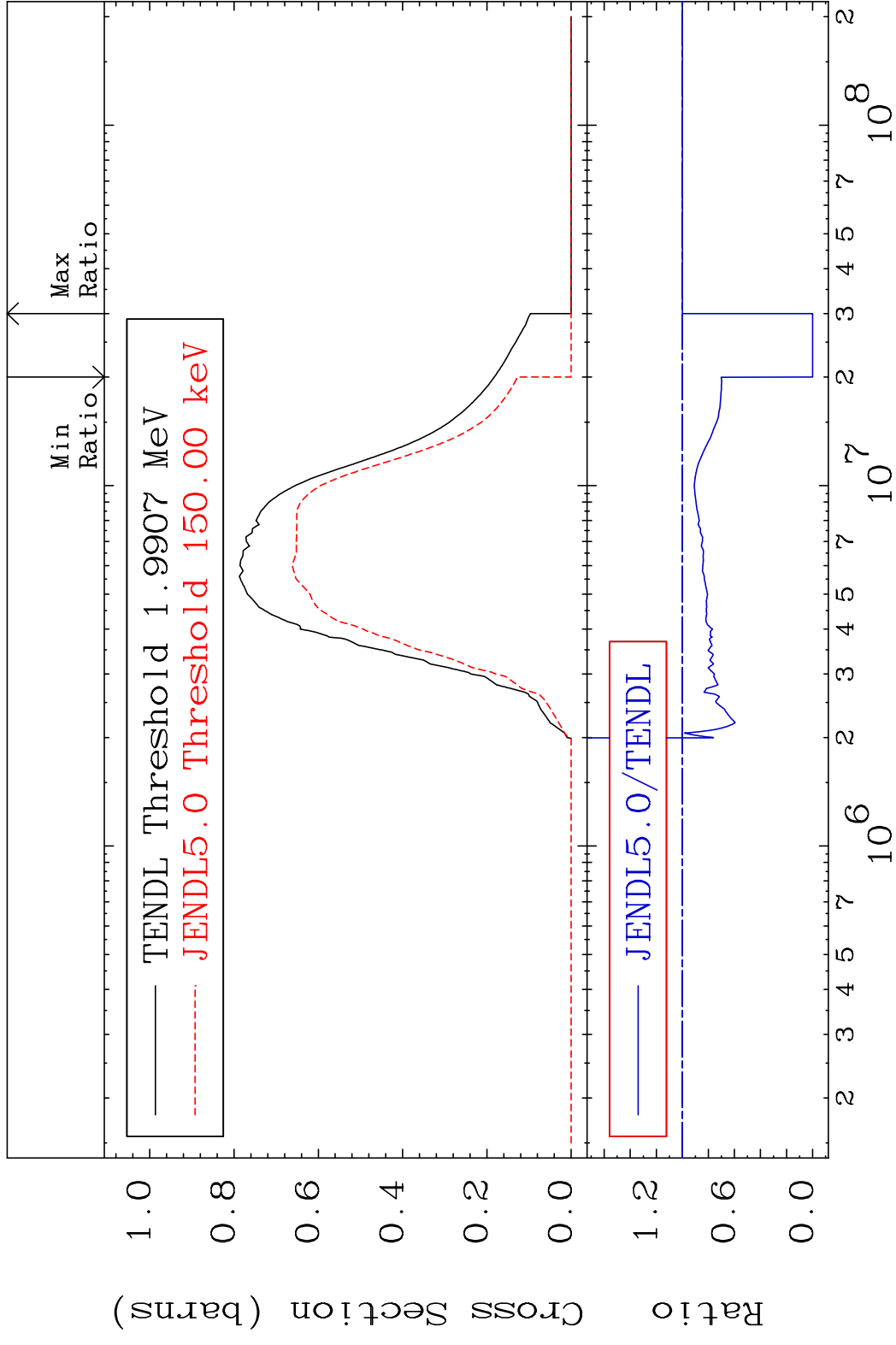
20-Ca-41

MAT 2028

Inelastic

20-Ca-41

Cross Section -100.0 To 0.000 %

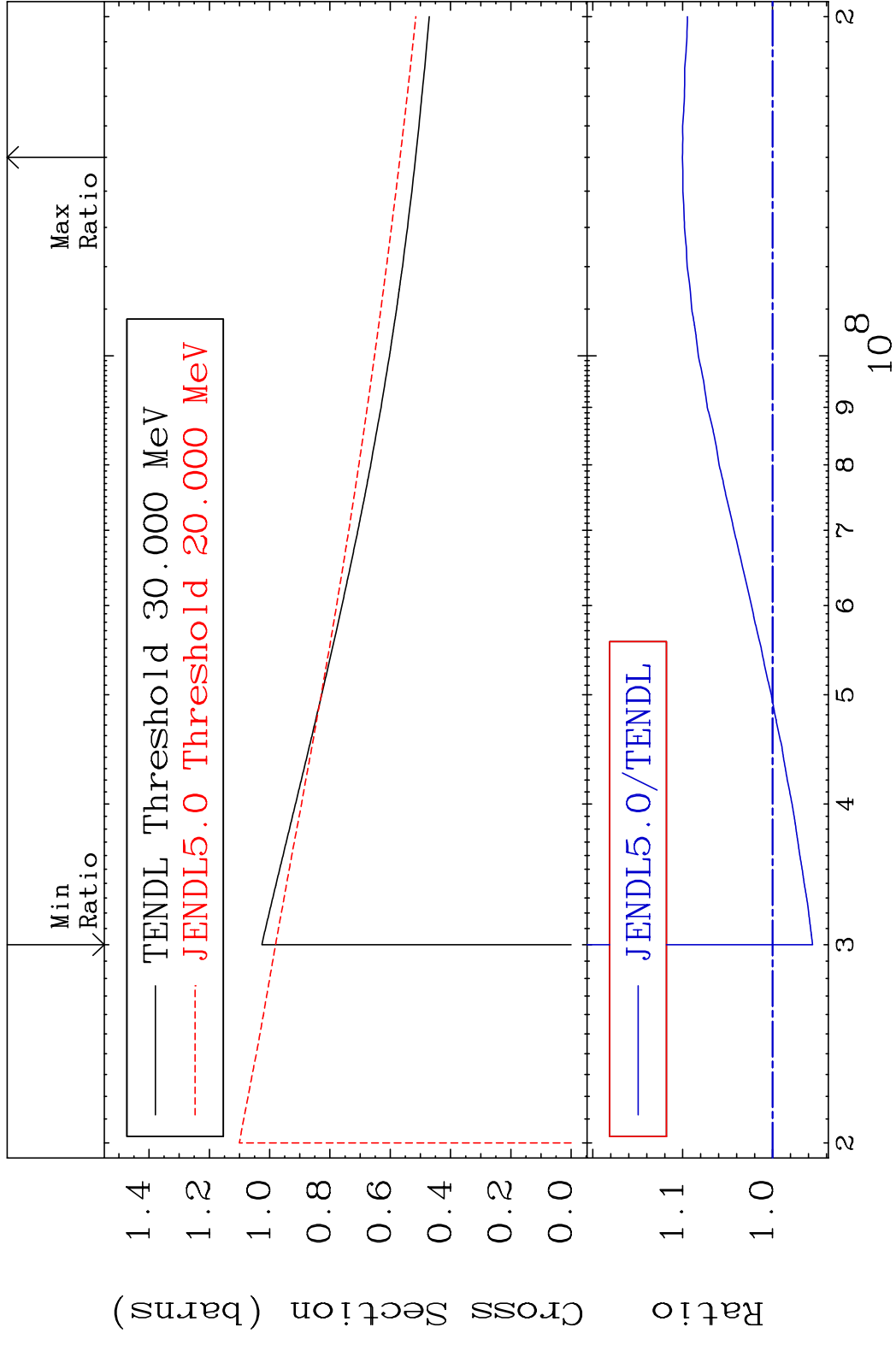


MAT 2028

(n, remainder)

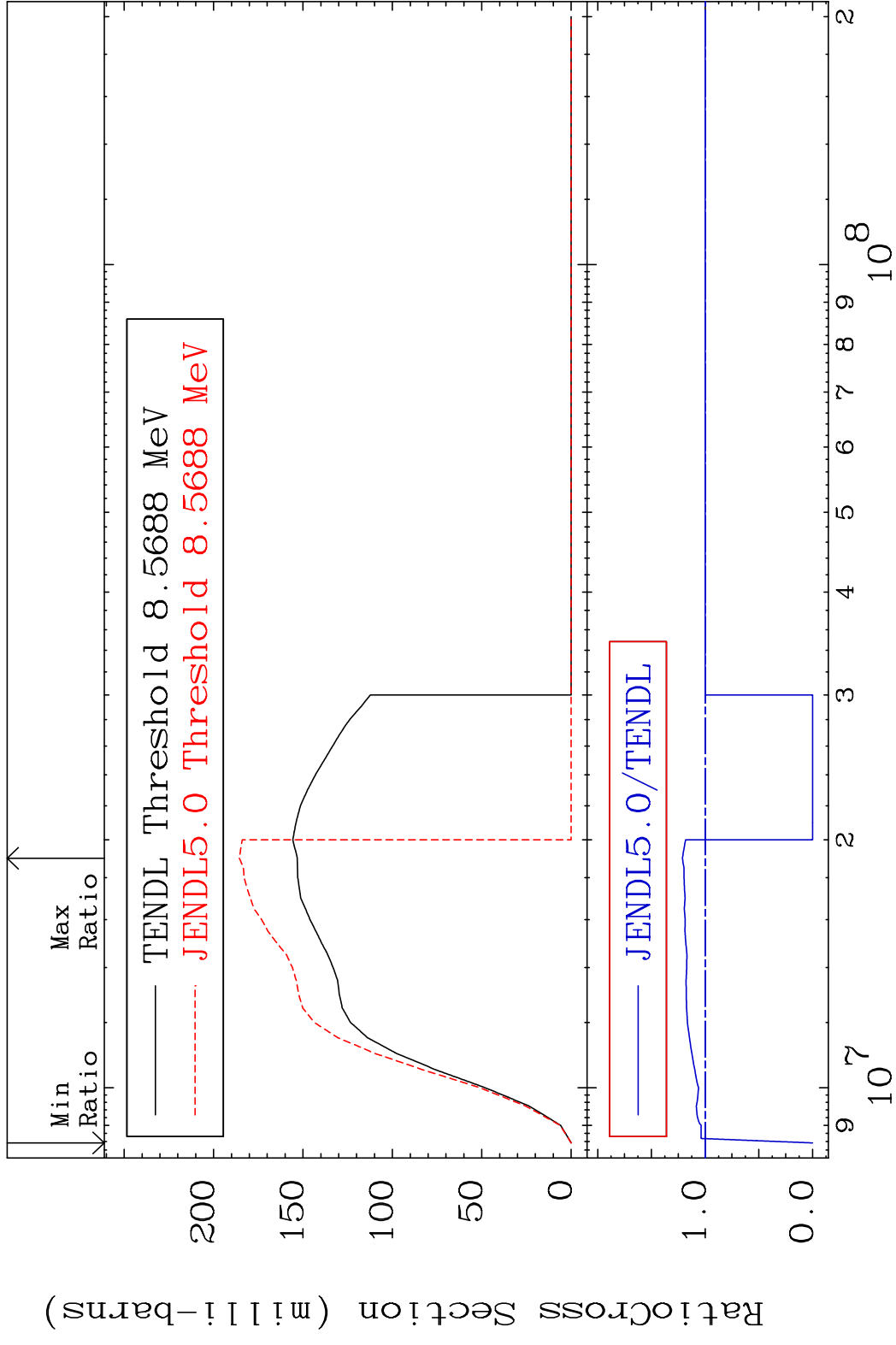
20-Ca-41

Cross Section -4.454 To 10.04 %



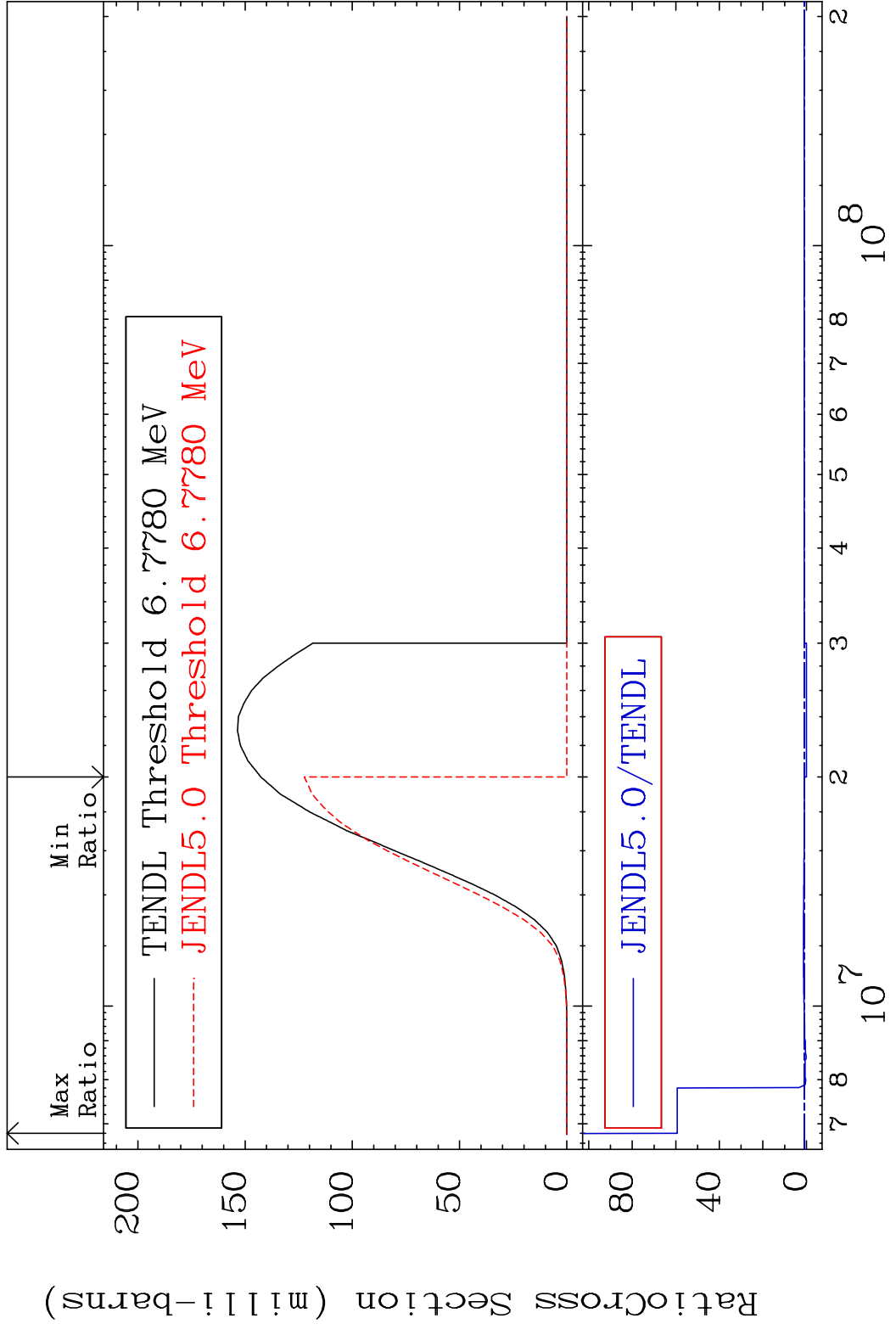
4 Incident Energy (eV) 20-Ca-41

MAT 2028 (n,2n) 20-Ca-41
 Cross Section -100.0 To 21.18 %



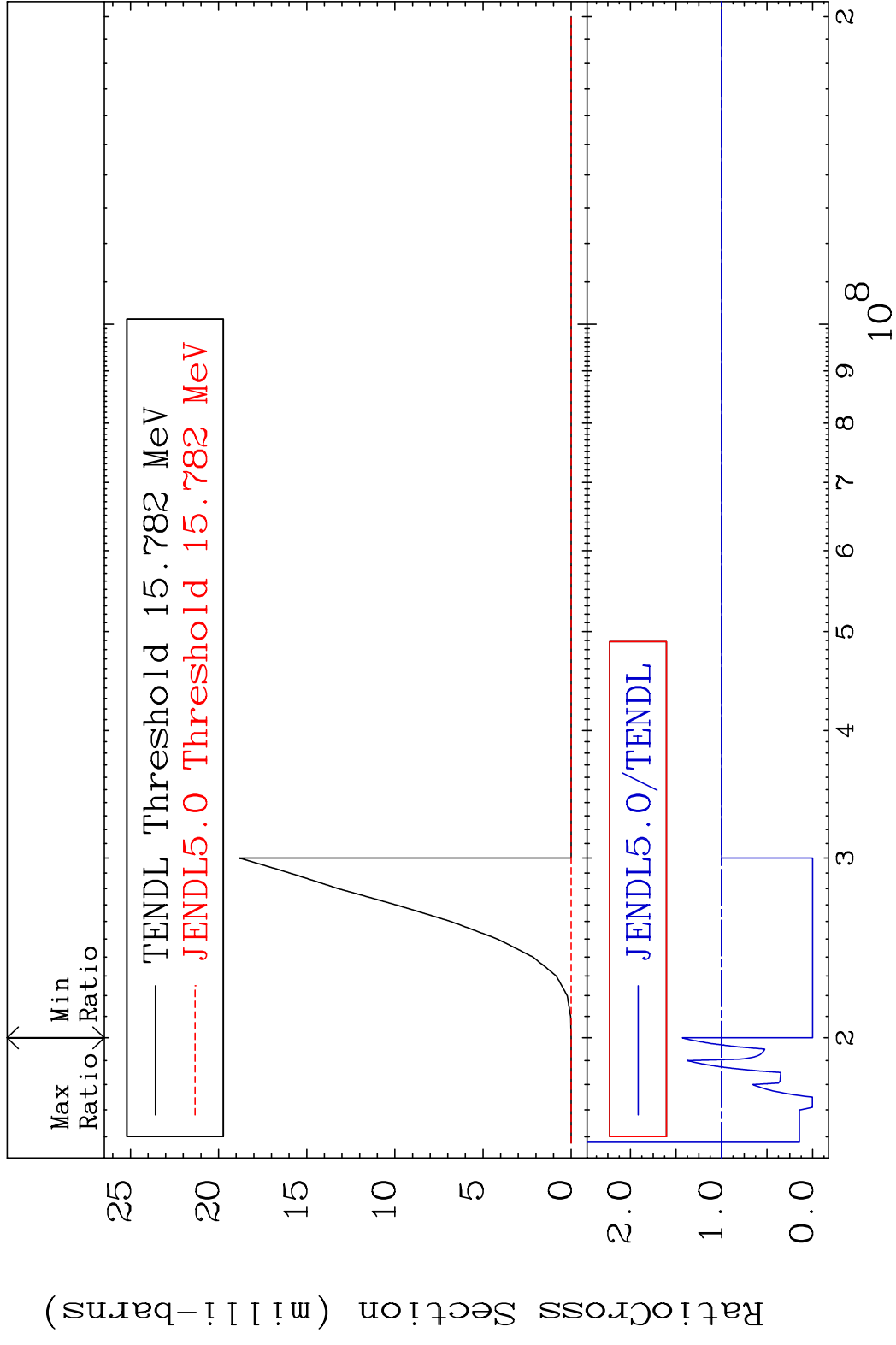
5 20-Ca-41

MAT 2028 (n, n') α 20-Ca-41
 Cross Section -100.0 To 5837. %



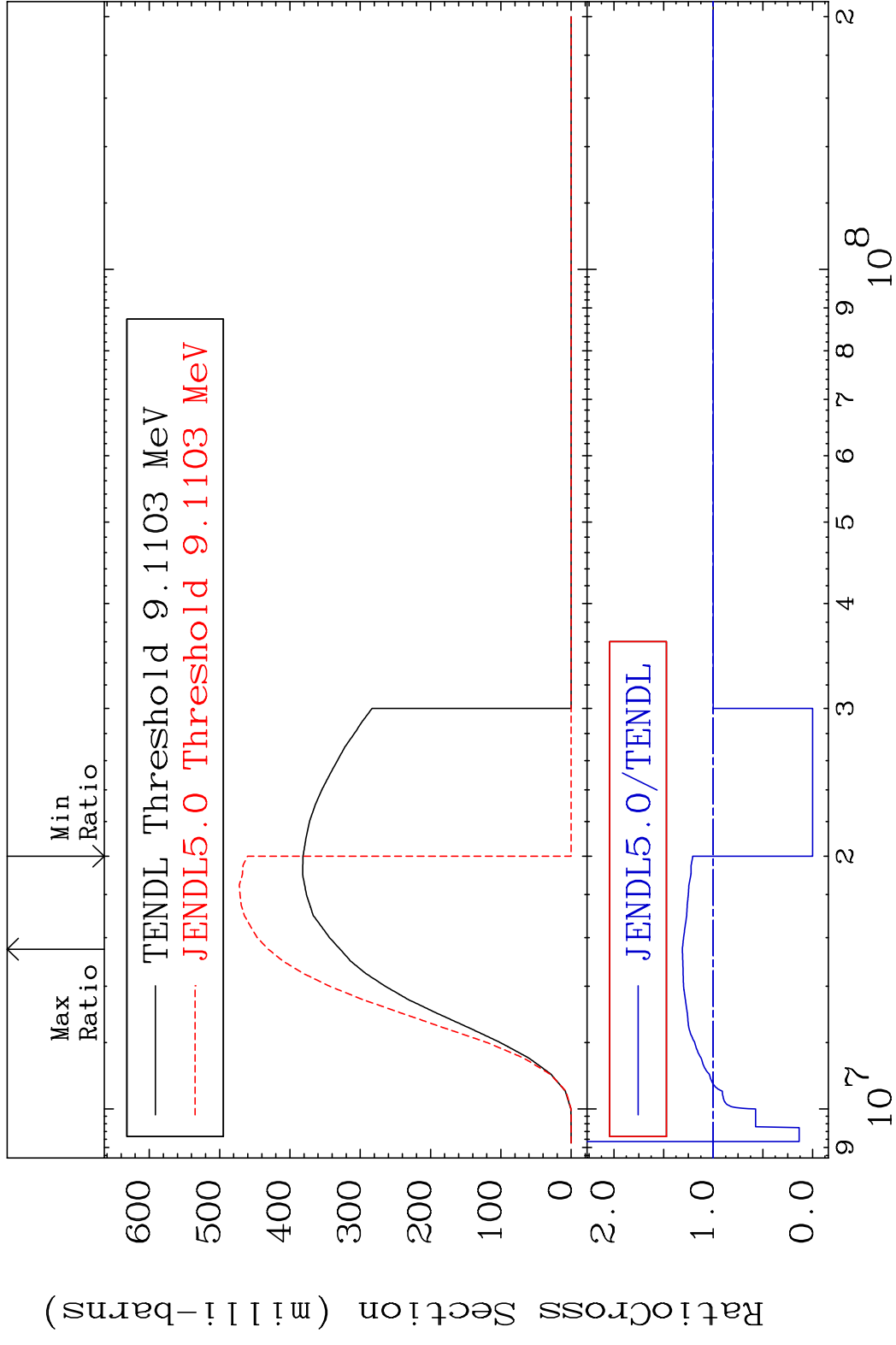
6 7 8 10⁷ 10⁸ 2

MAT 2028 (n,2n) α 20-Ca-41
 Cross Section -100.0 To 43.04 %



MAT 2028

(n, n') p 20-Ca-41
Cross Section -100.0 To 31.10 %

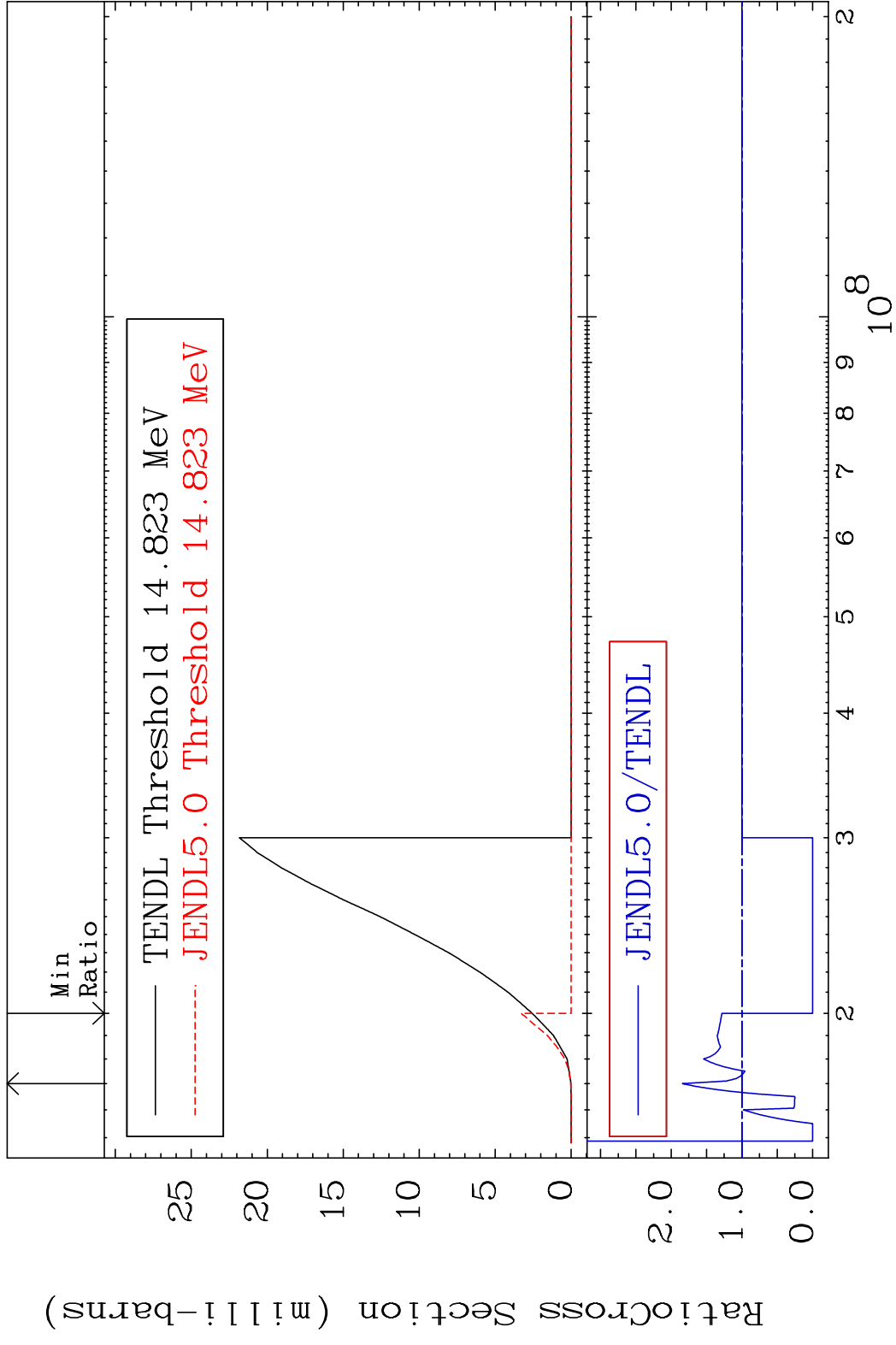


8

Incident Energy (eV)

20-Ca-41

MAT 2028 (n, n') d 20-Ca-41
 Cross Section -100.0 To 84.24 %

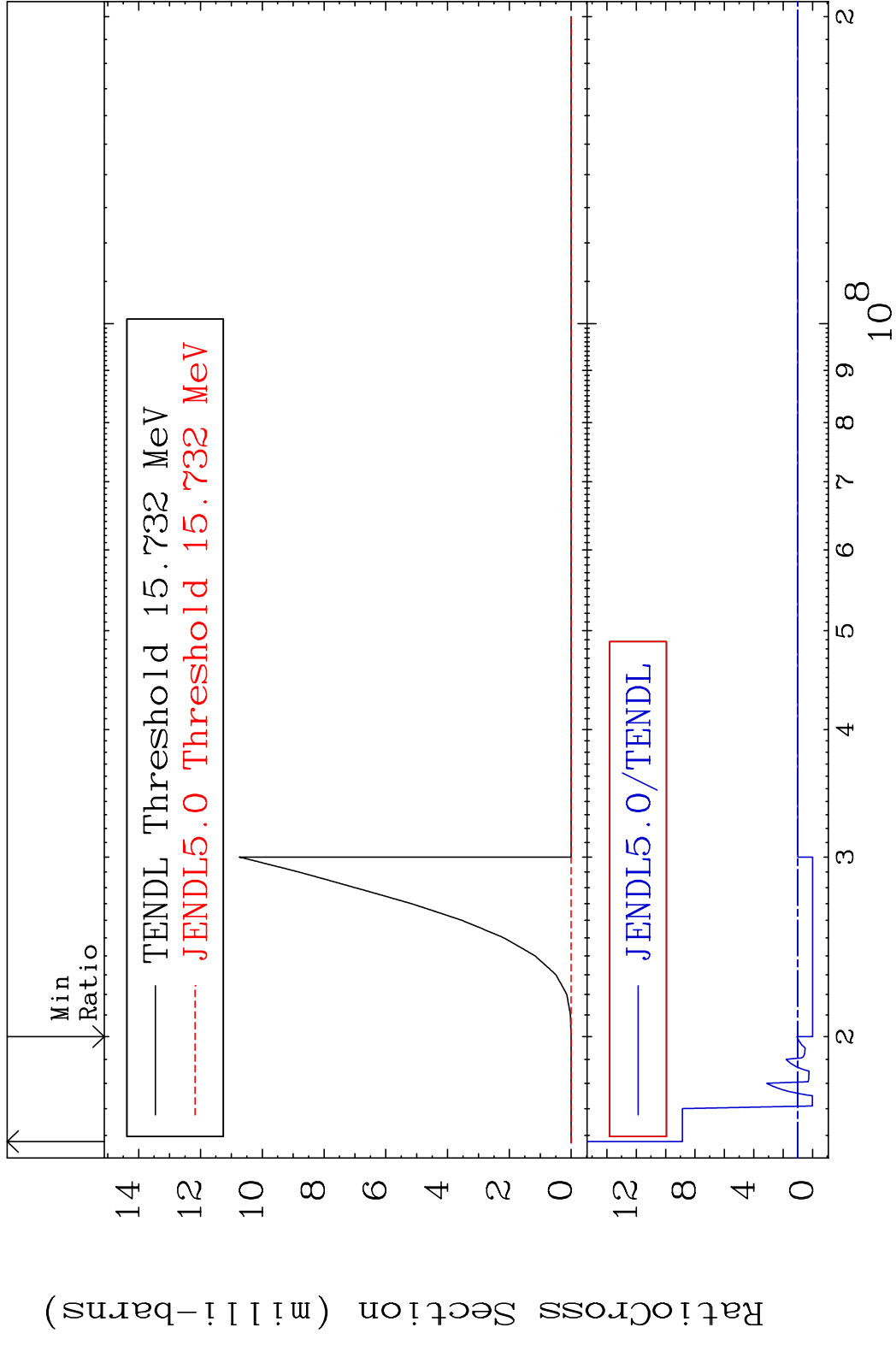


MAT 2028

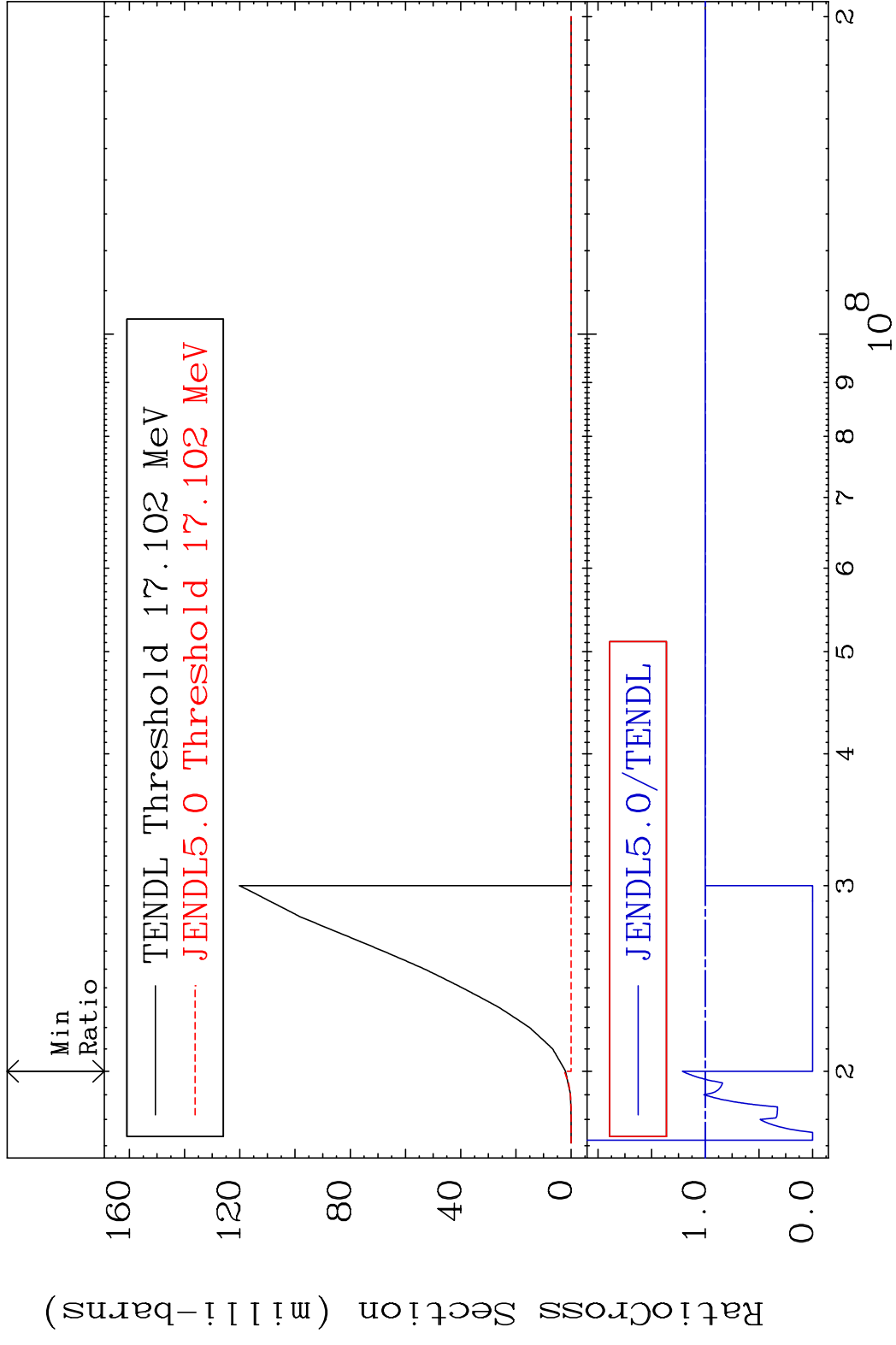
(n,n') He-3

20-Ca-41

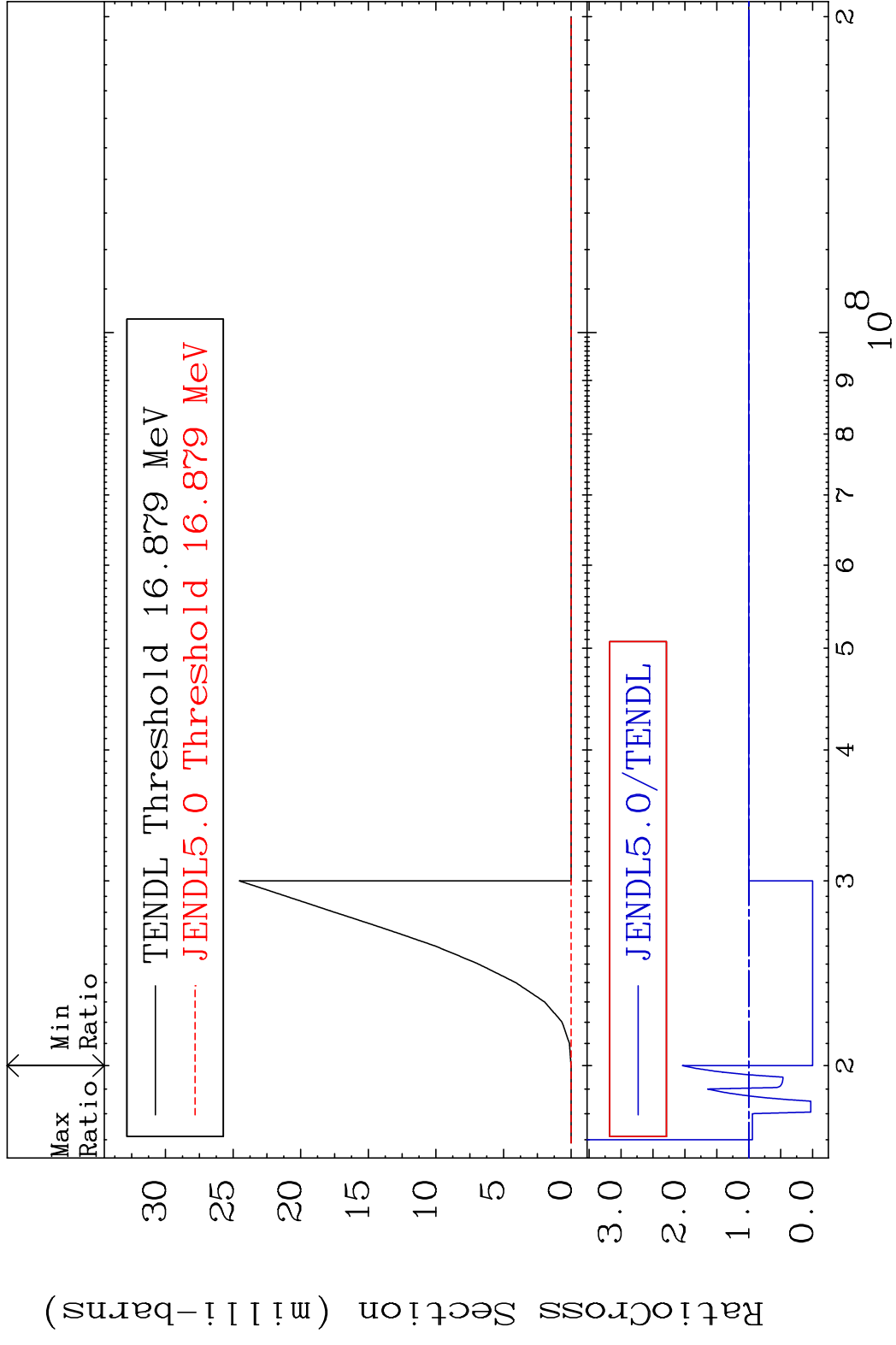
Cross Section -100.0 To 786.2 %



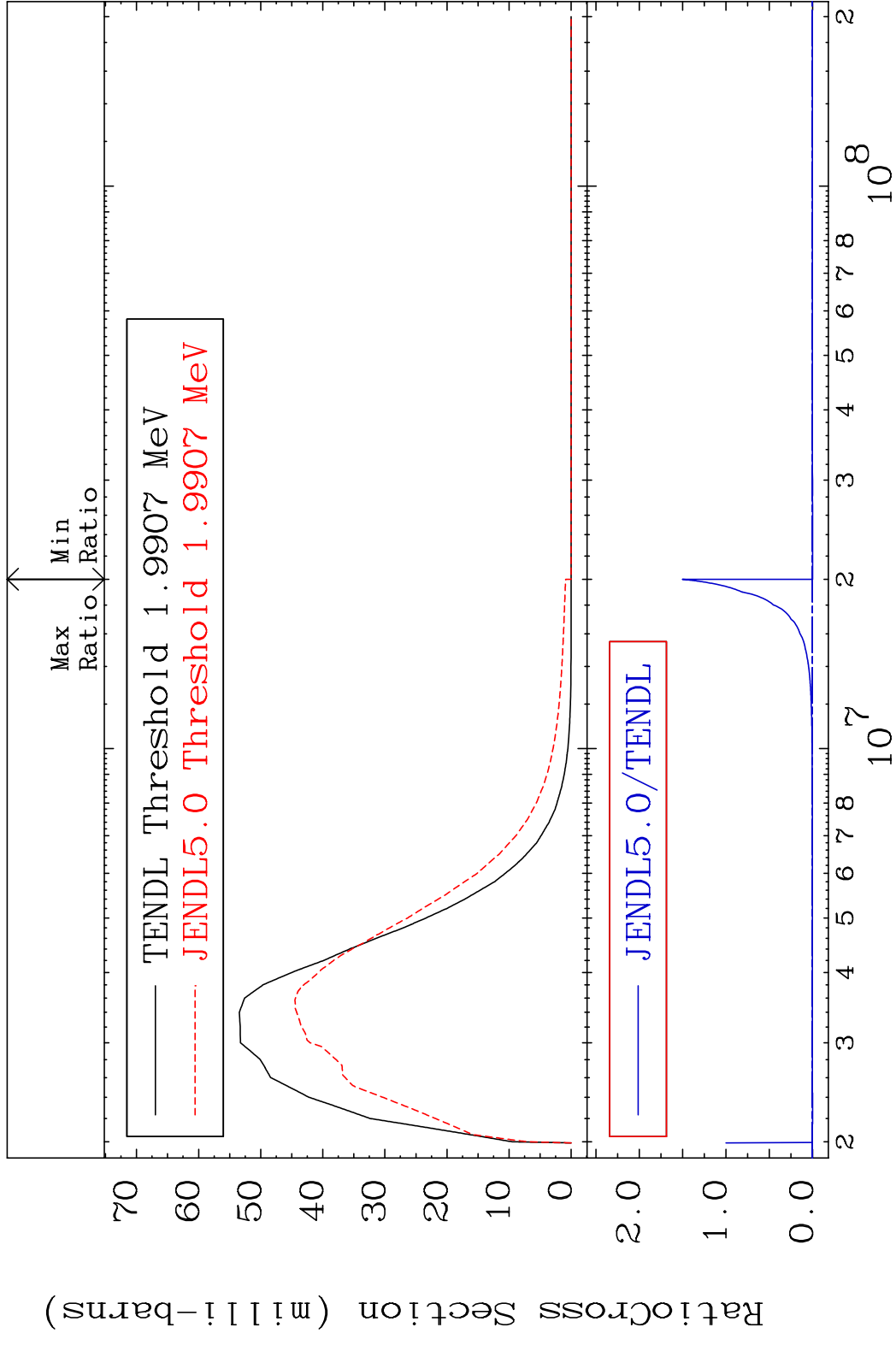
MAT 2028 (n,2n) p 20-Ca-41
 Cross Section -100.0 To 21.39 %



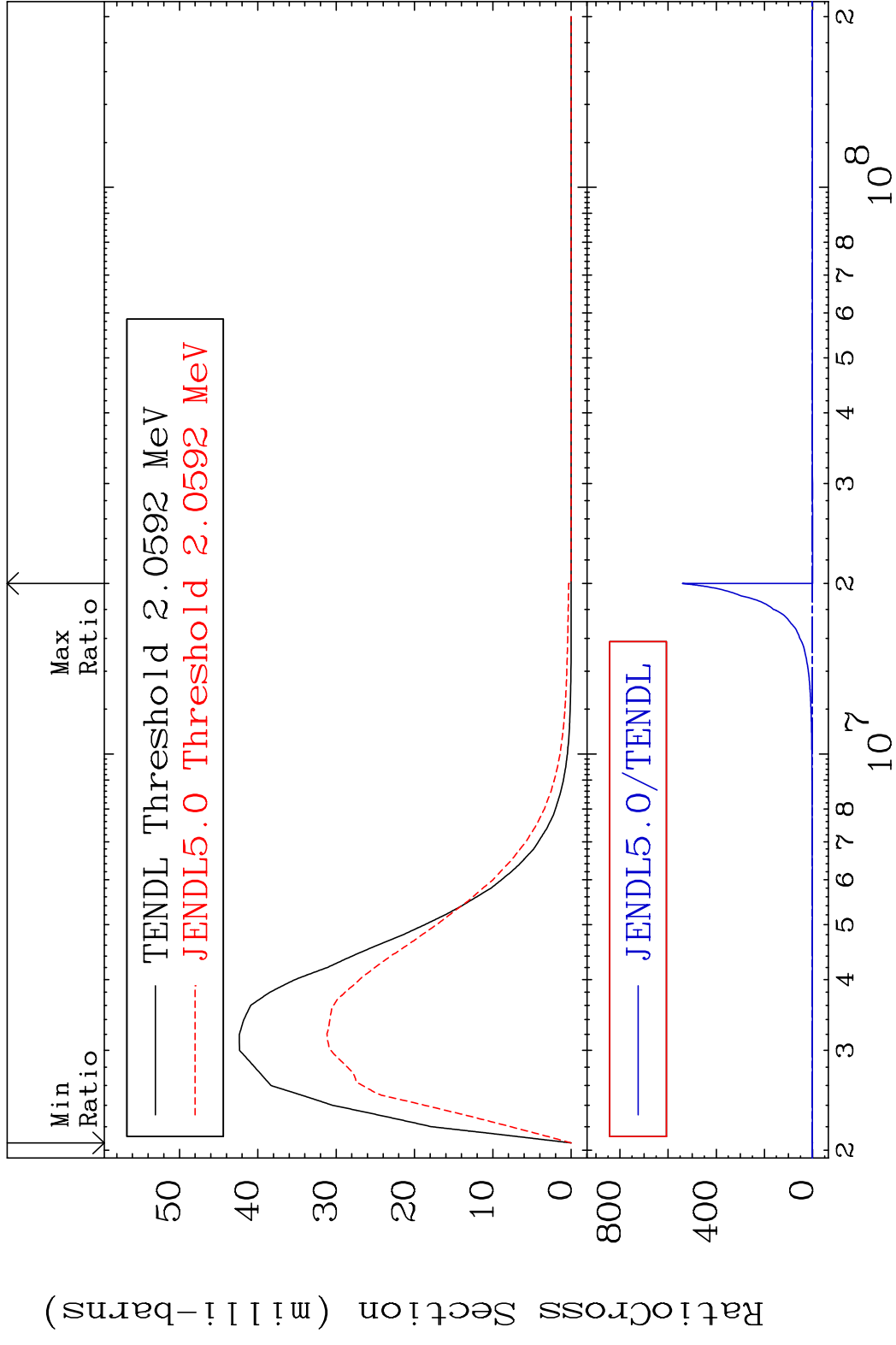
MAT 2028 (n,2n) p 20-Ca-41
 Cross Section -100.0 To 104.0 %



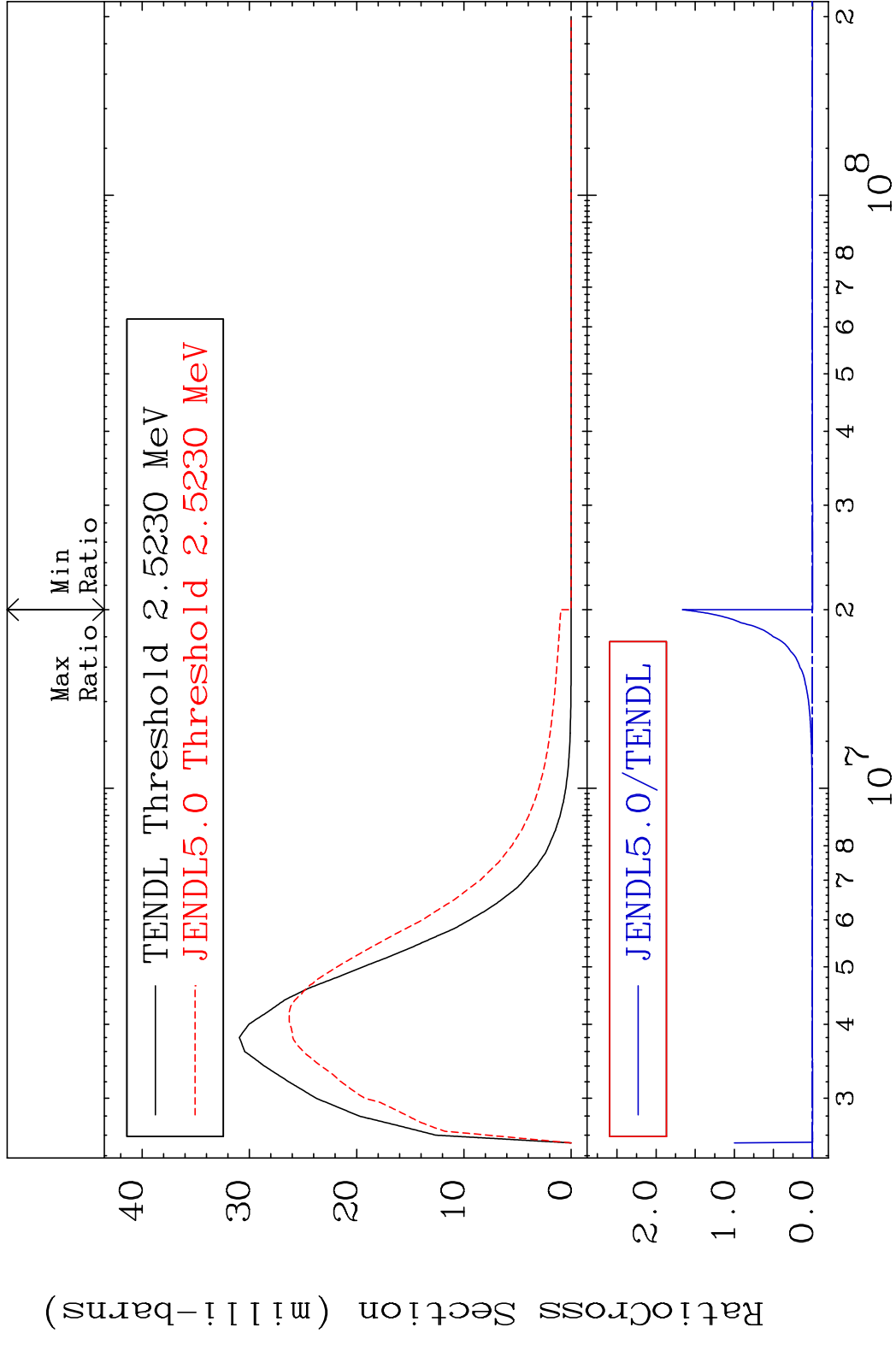
MAT 2028 MT= 51 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



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

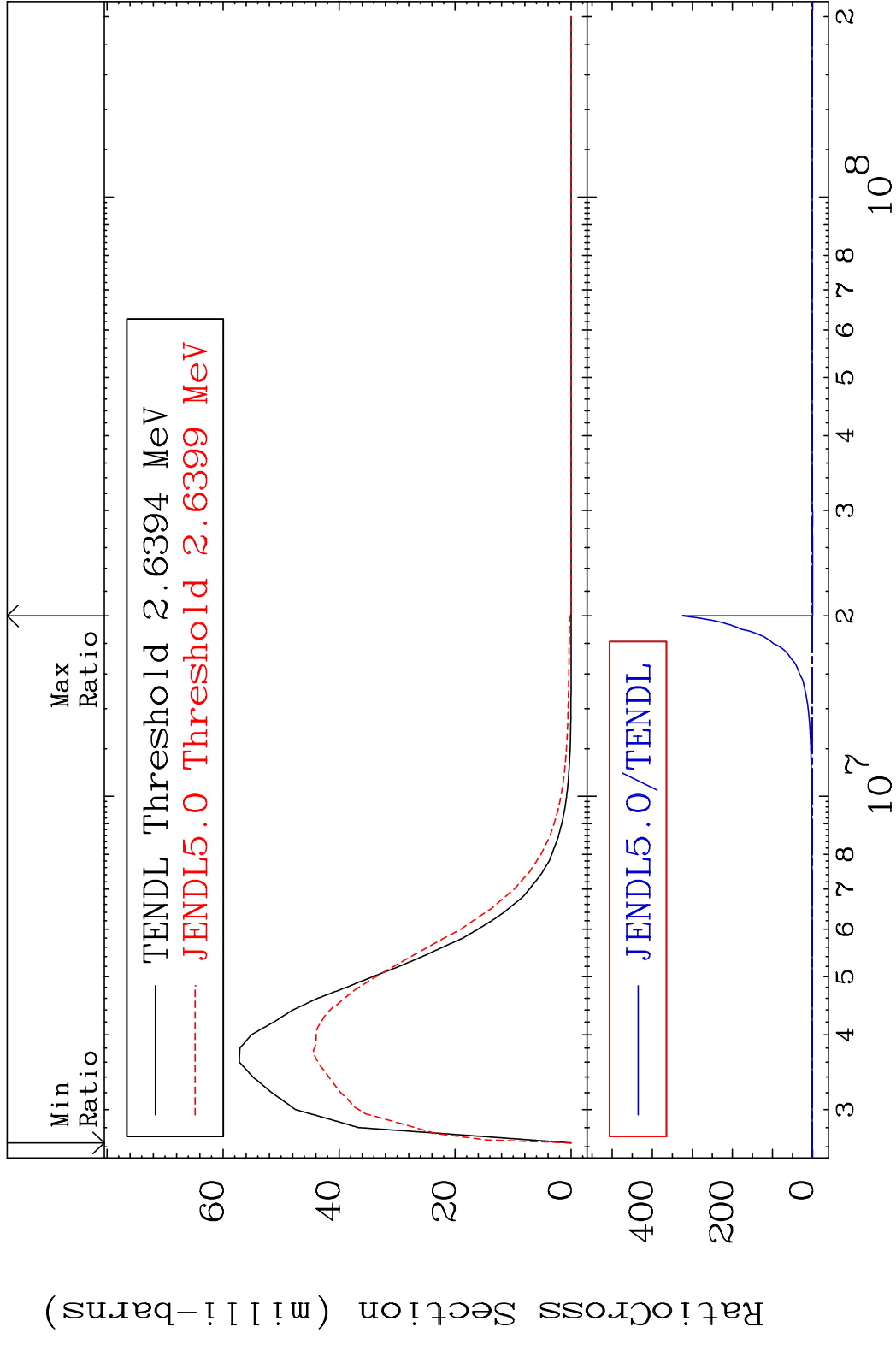


MAT 2028 MT= 53 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %

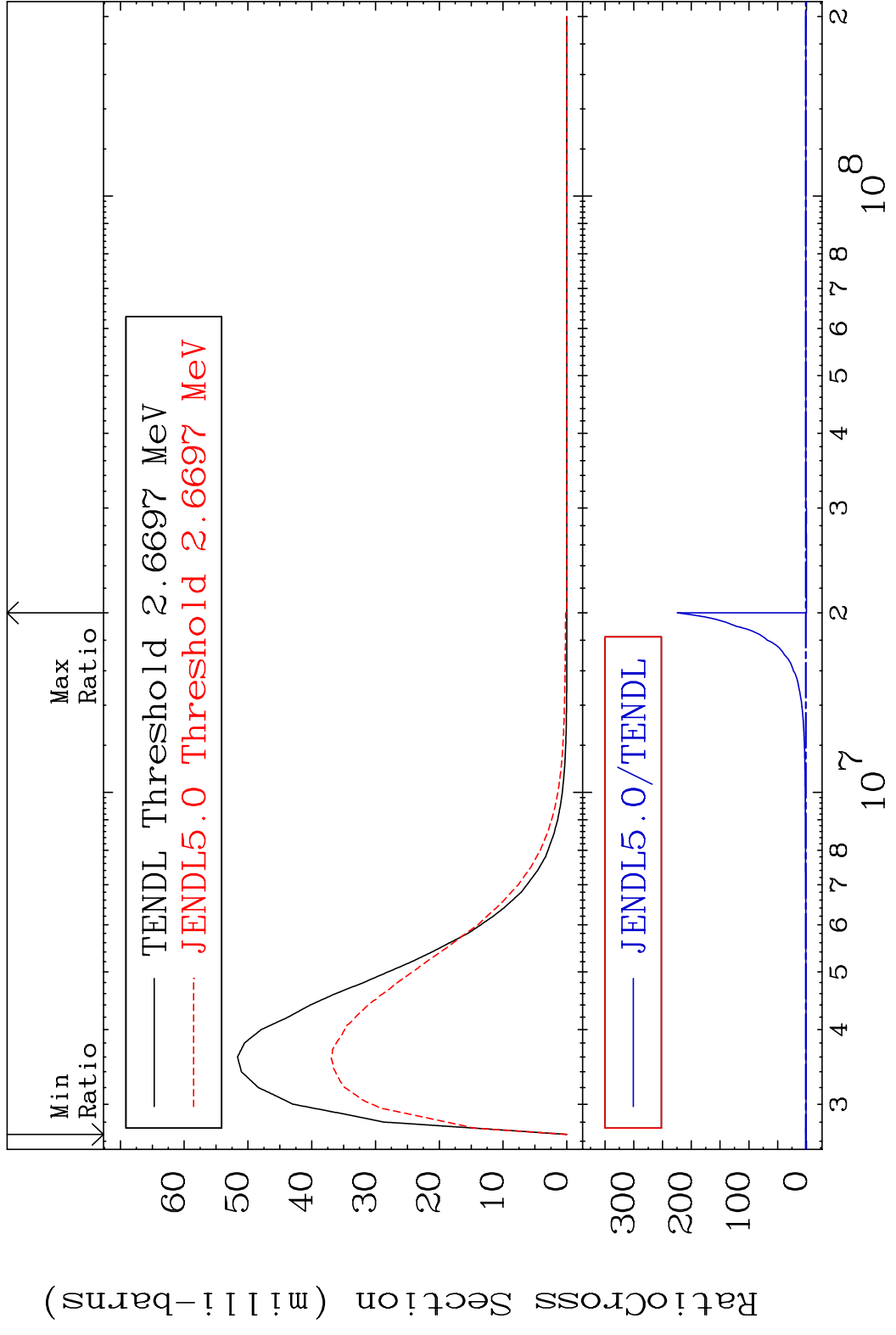


15 Incident Energy (eV) 20-Ca-41

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

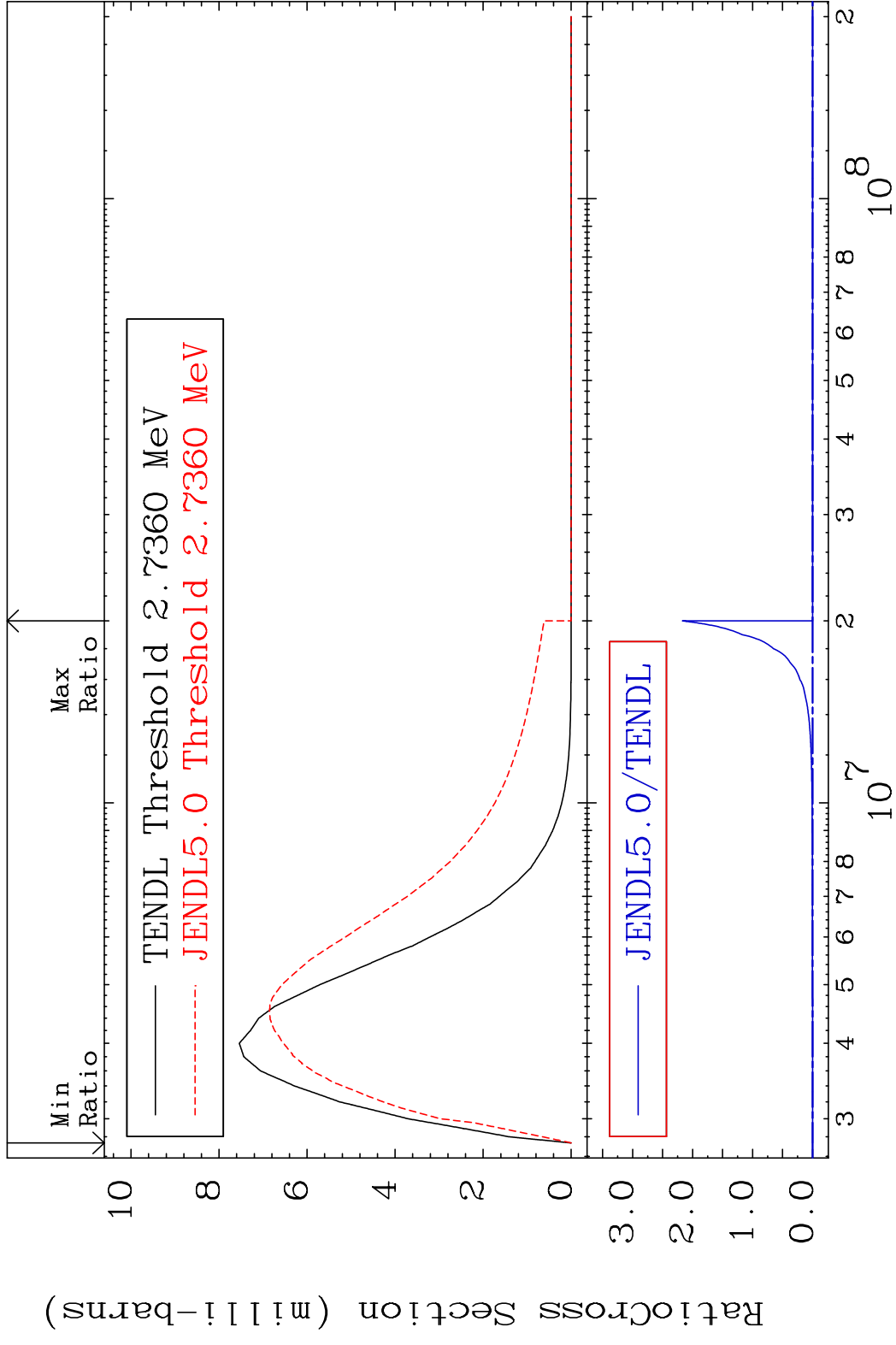


MAT 2028 MT= 55 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %

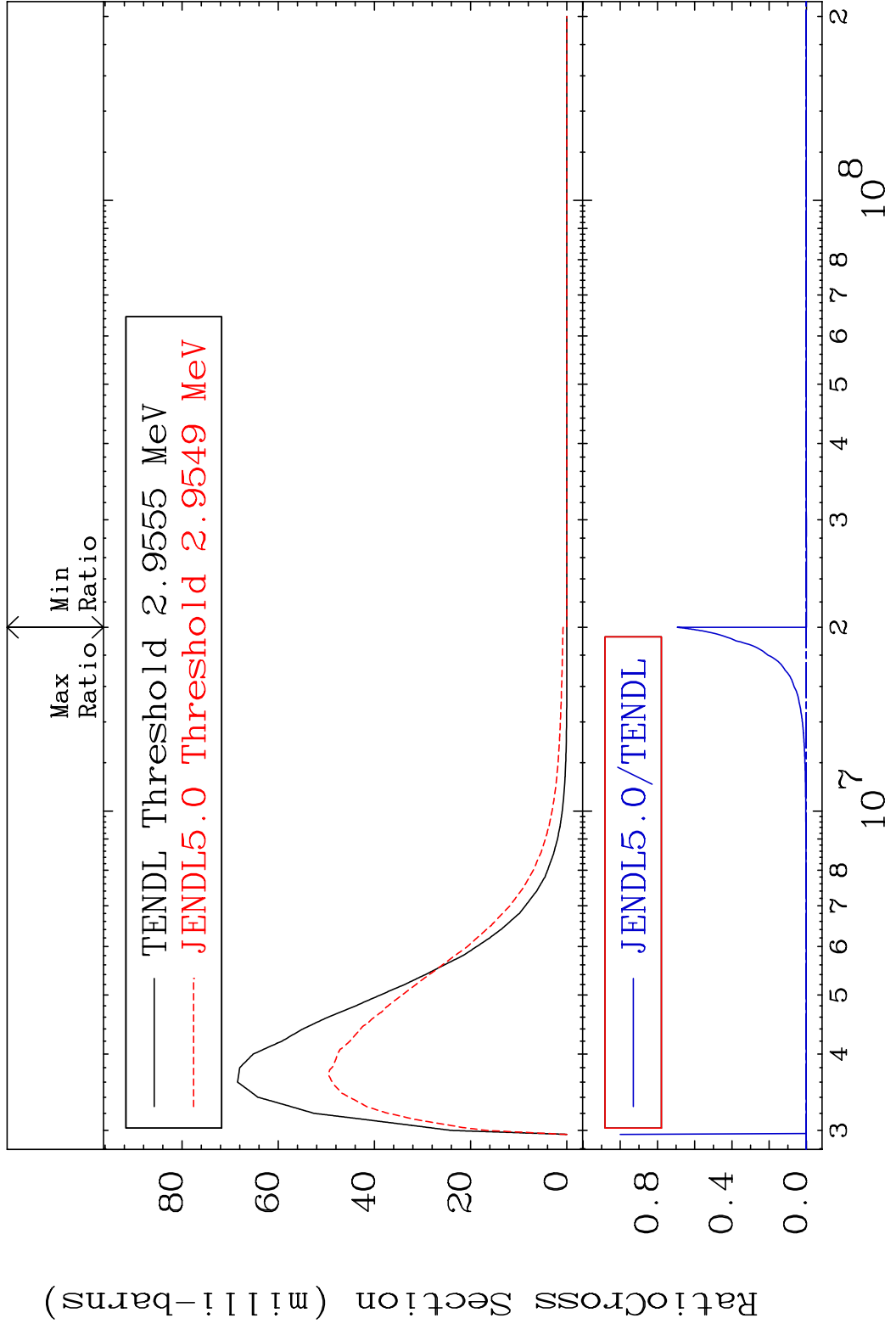


17 Incident Energy (eV) 20-Ca-41

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

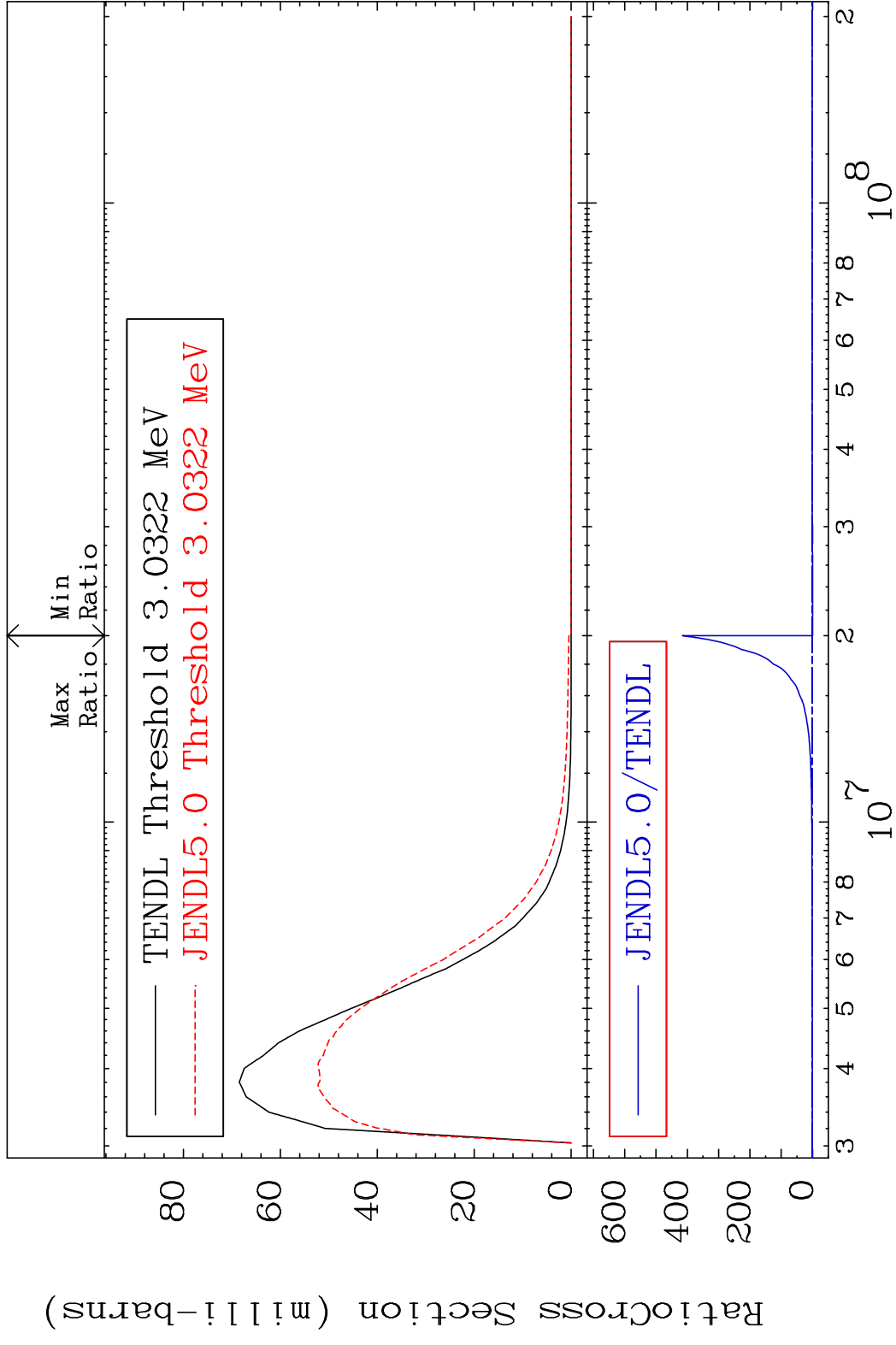


MAT 2028 MT= 57 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



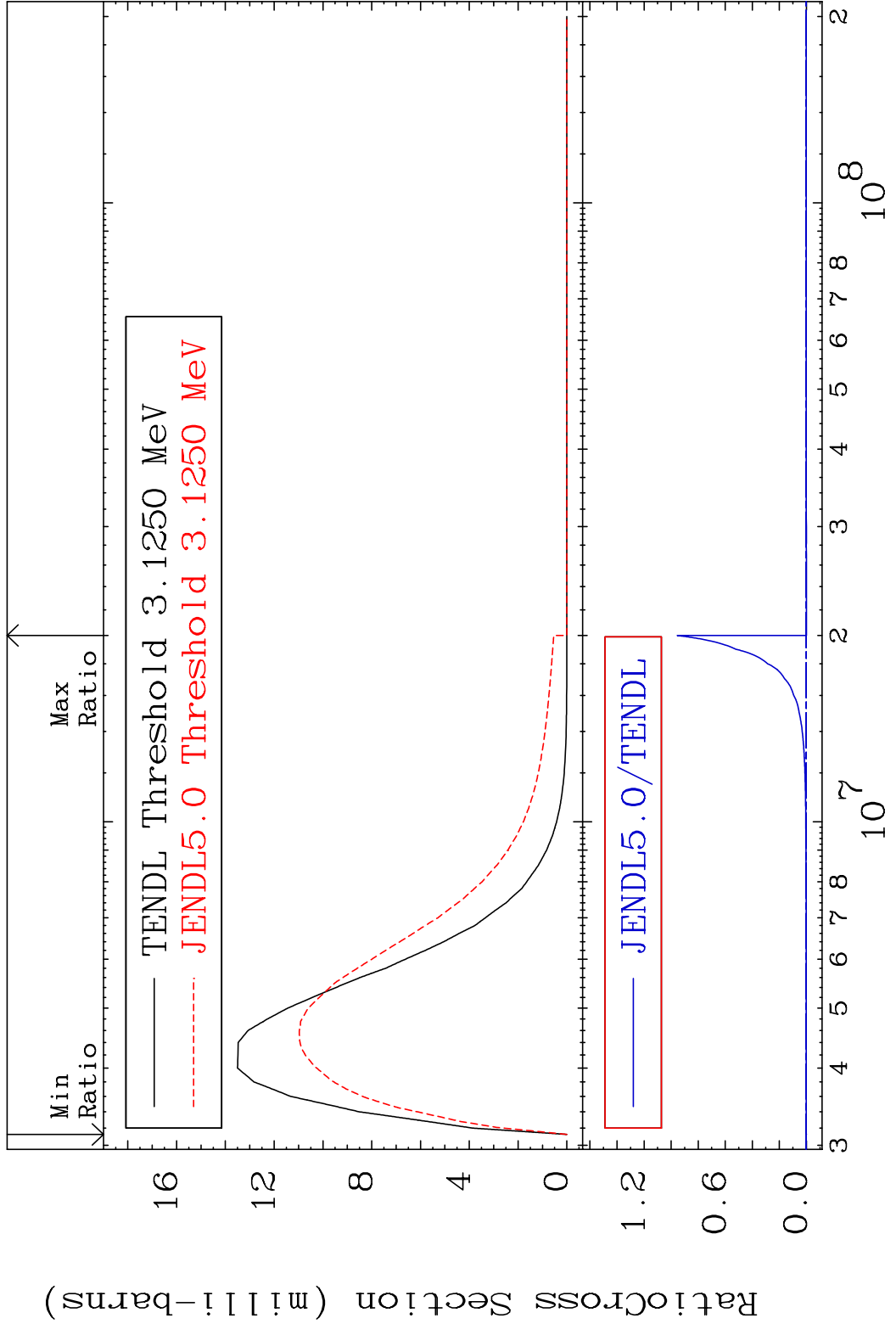
19 Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 58 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %

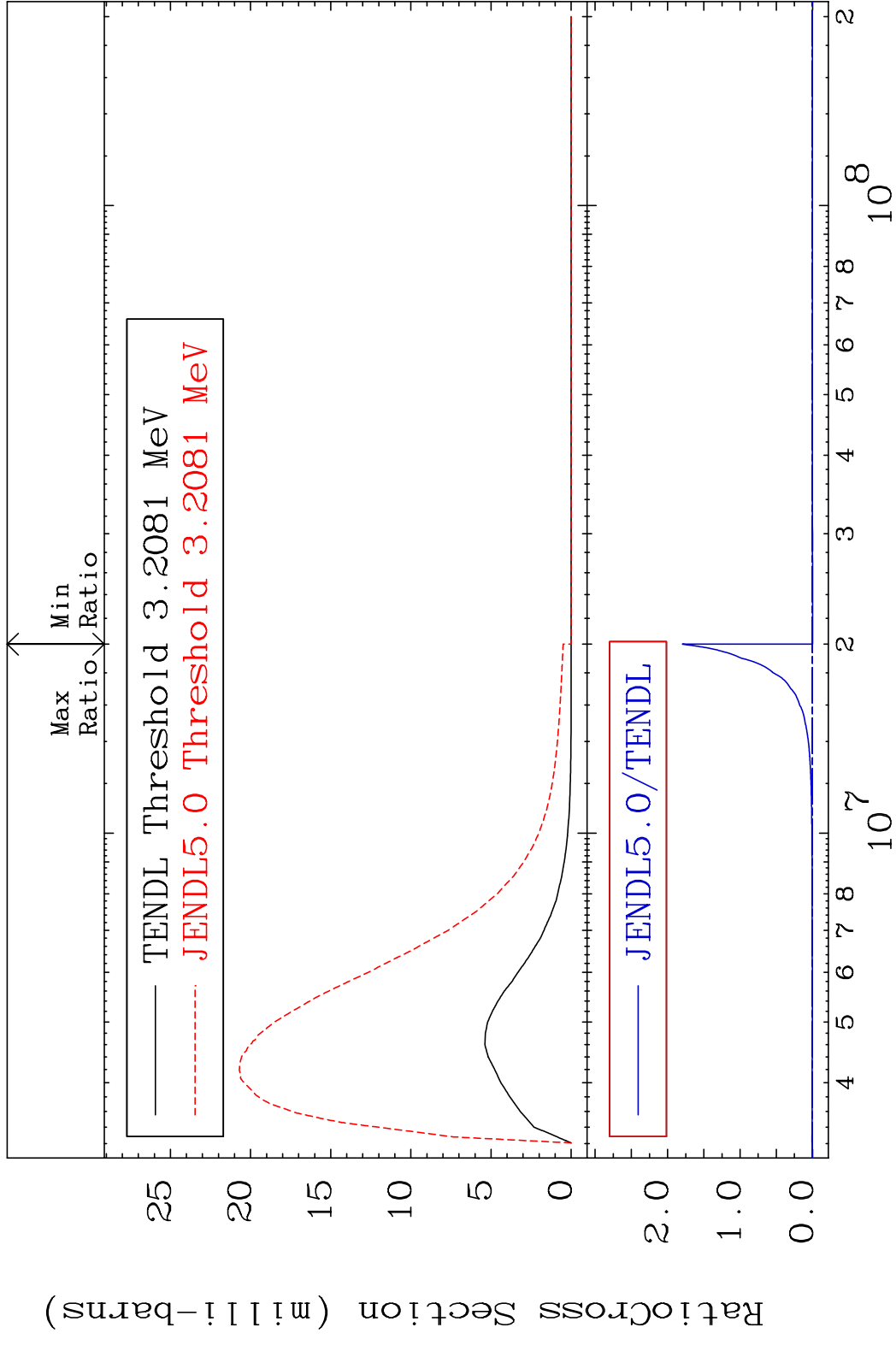


20 Incident Energy (eV) 20-Ca-41

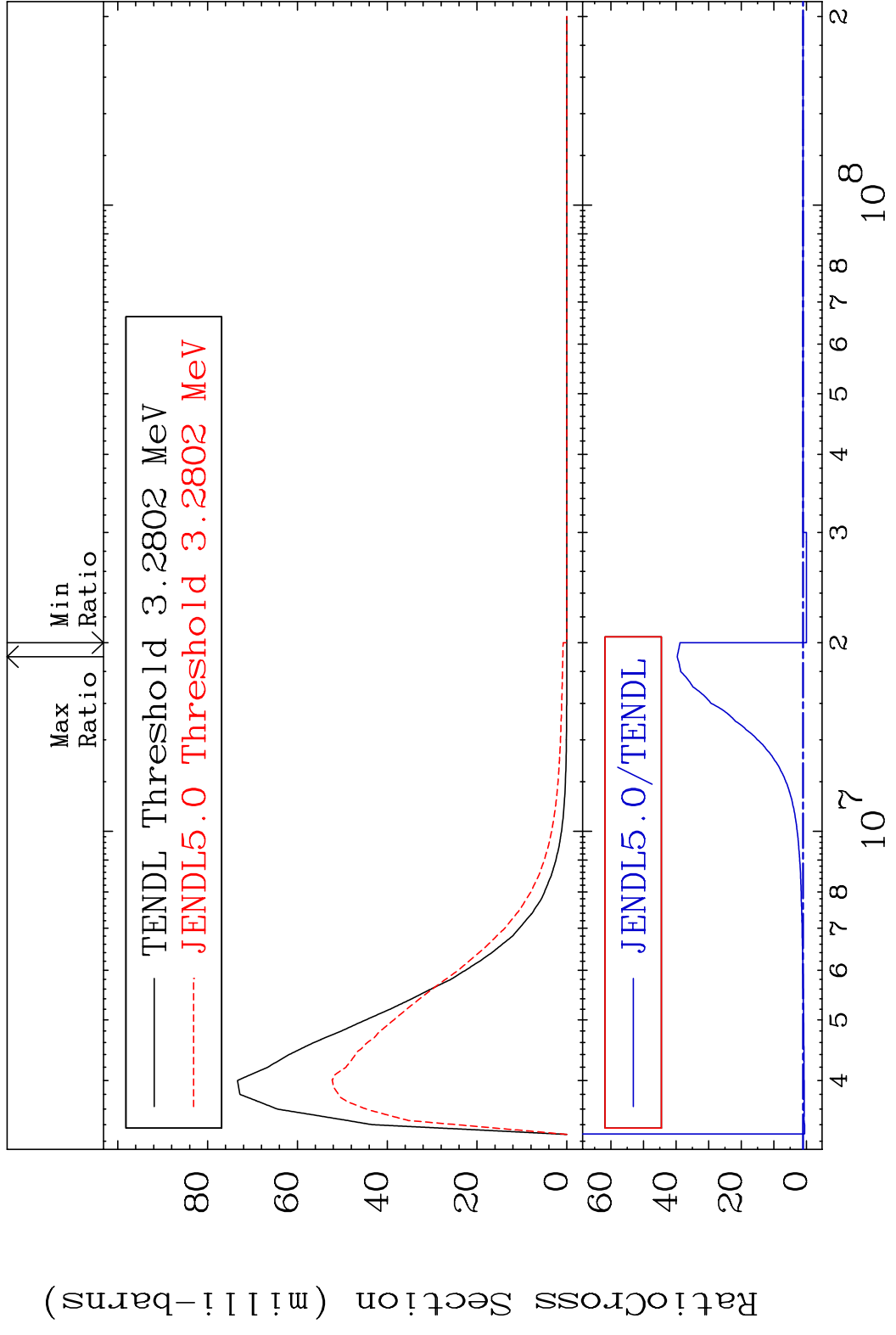
MAT 2028 MT= 59 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



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

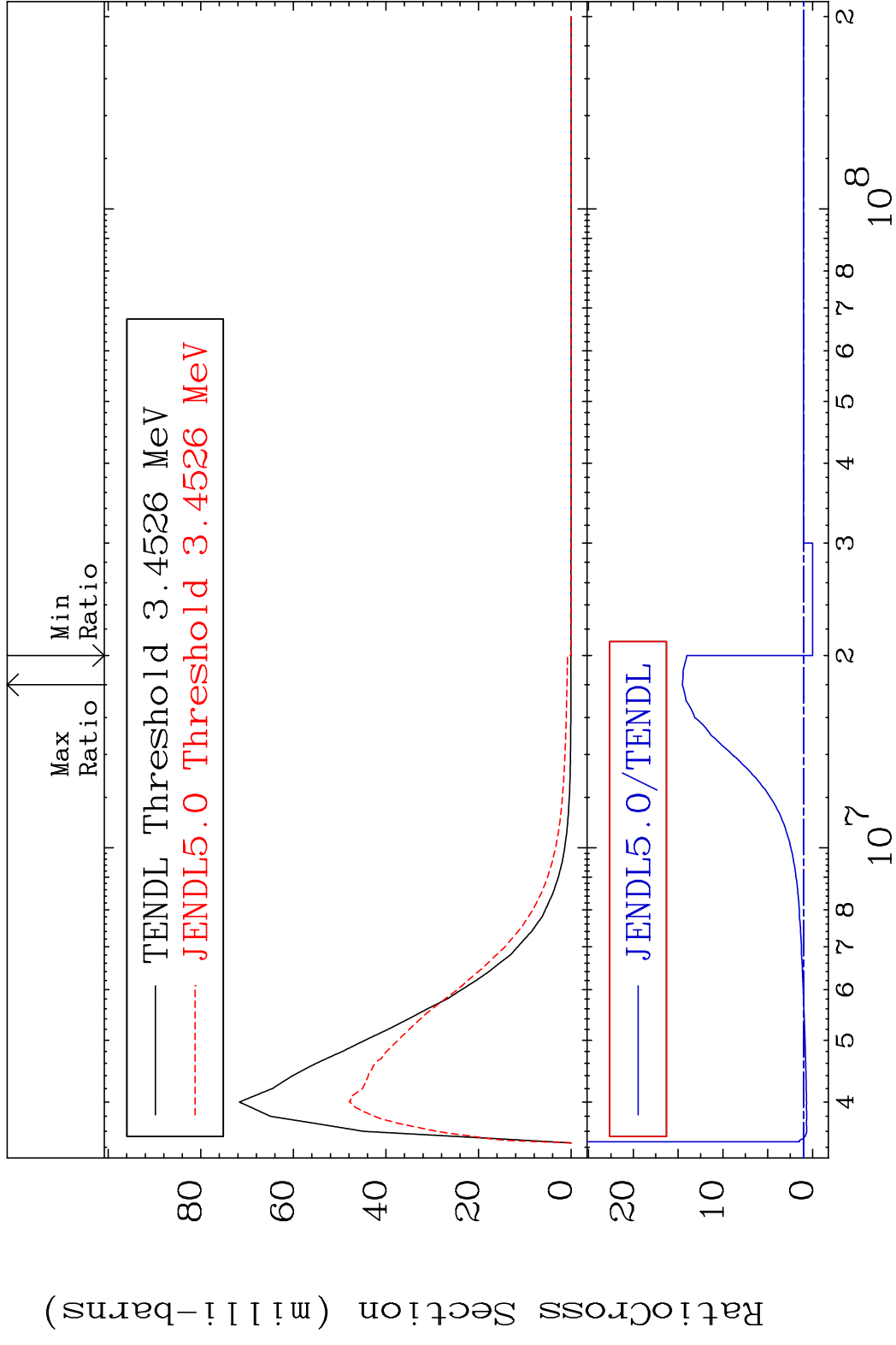


MAT 2028 MT= 61 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 3866. %

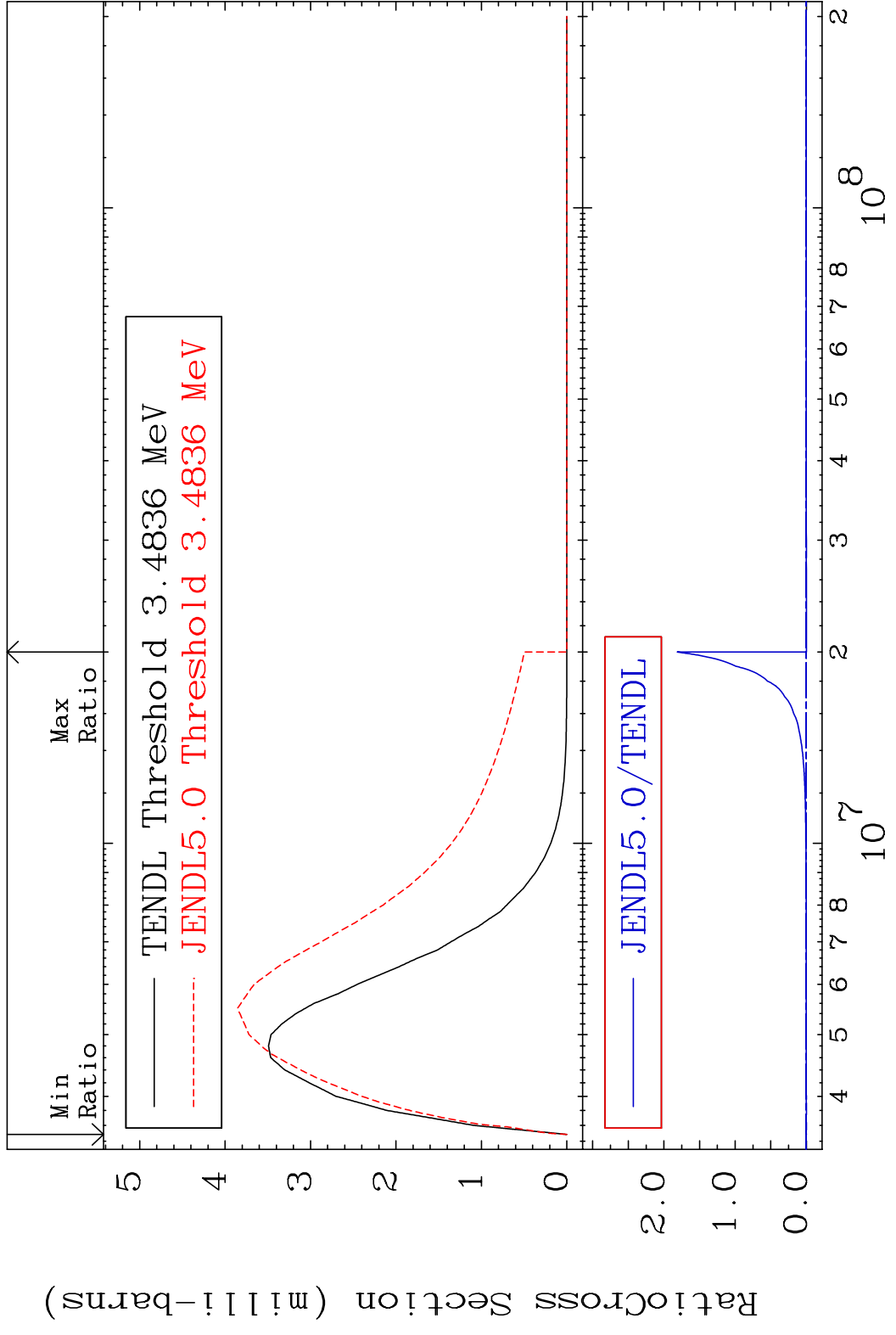


23 Incident Energy (eV) 20-Ca-41

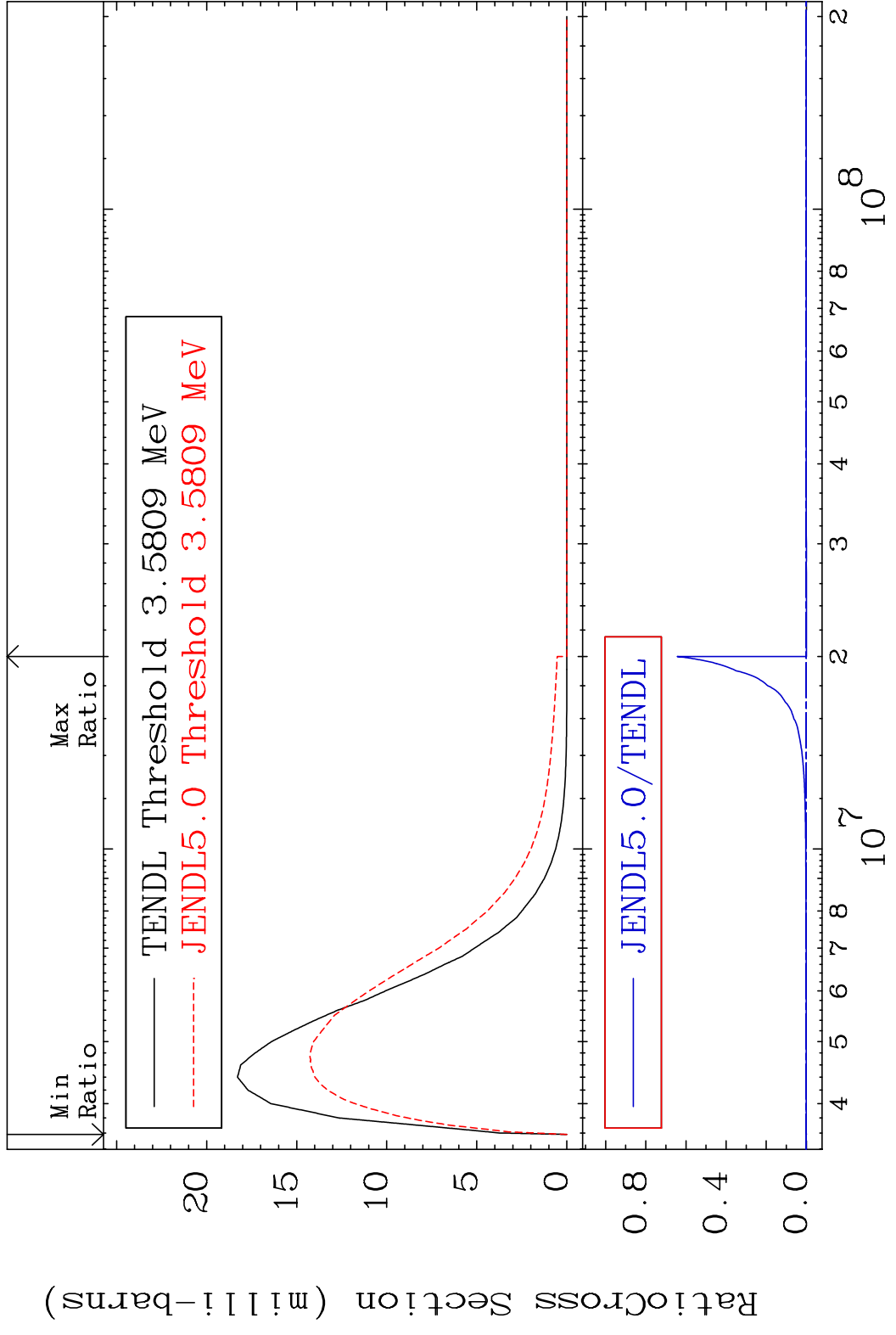
MAT 2028 MT= 62 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 1353. %



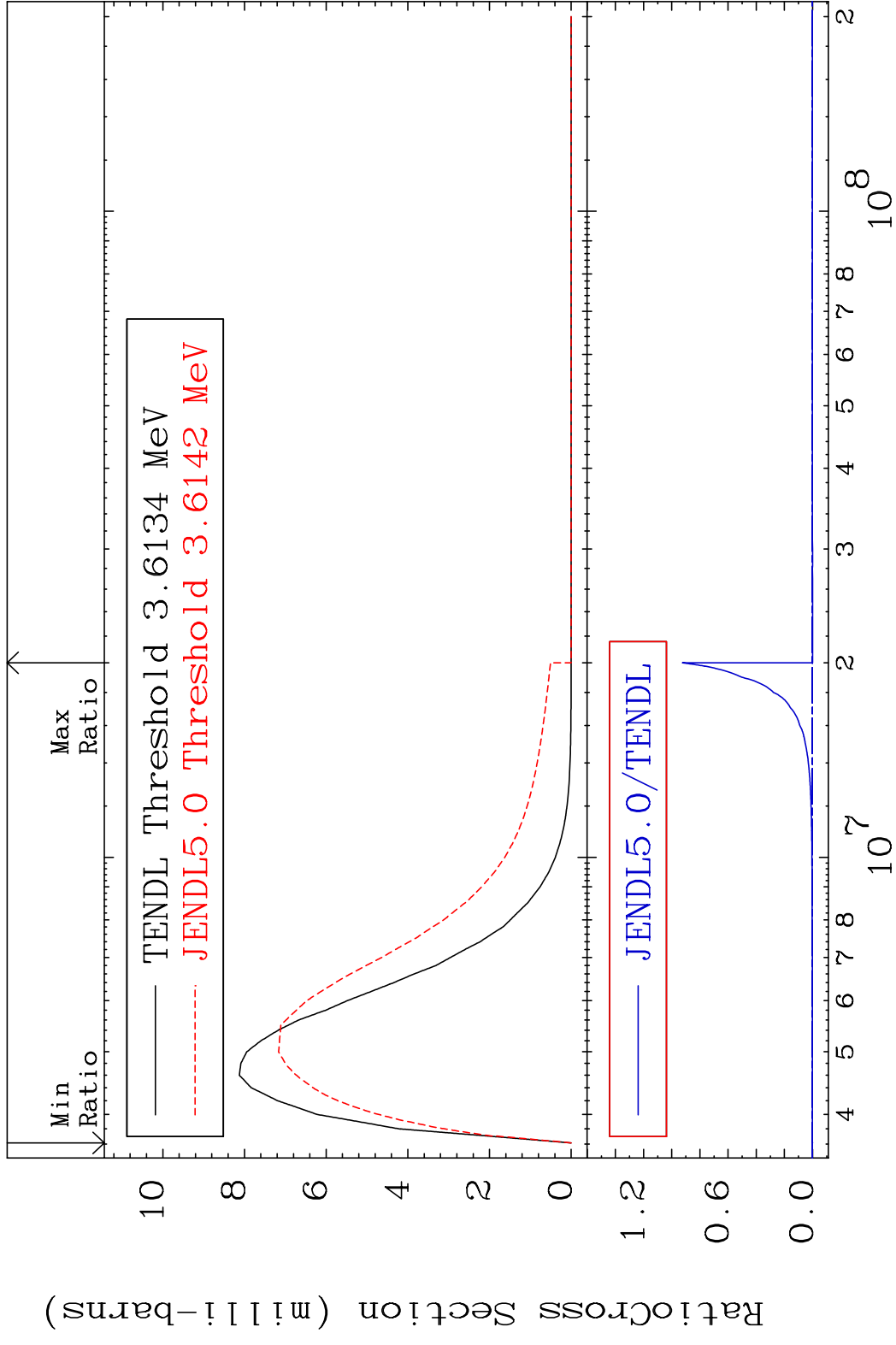
MAT 2028 MT= 63 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



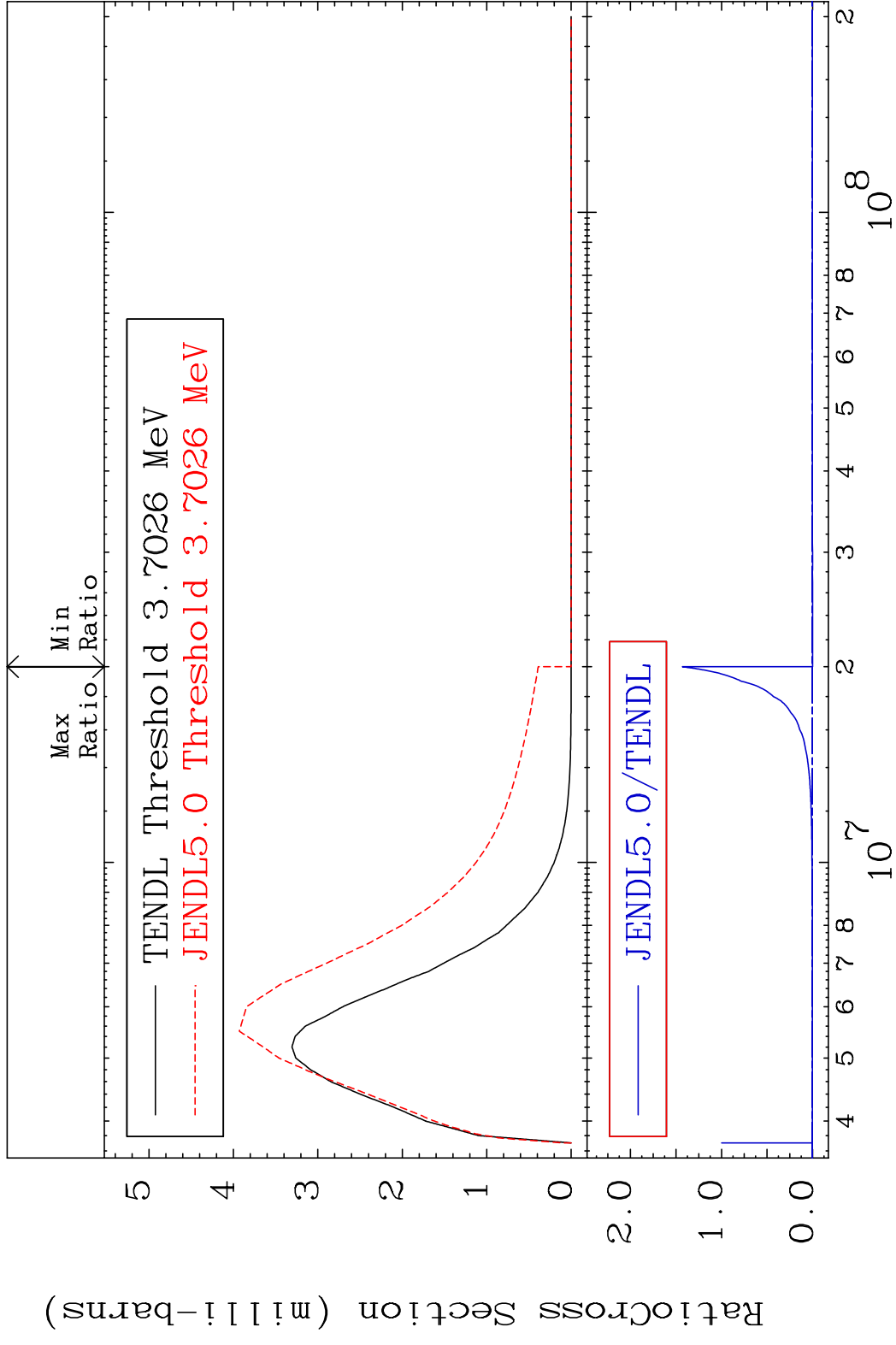
MAT 2028 MT= 64 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



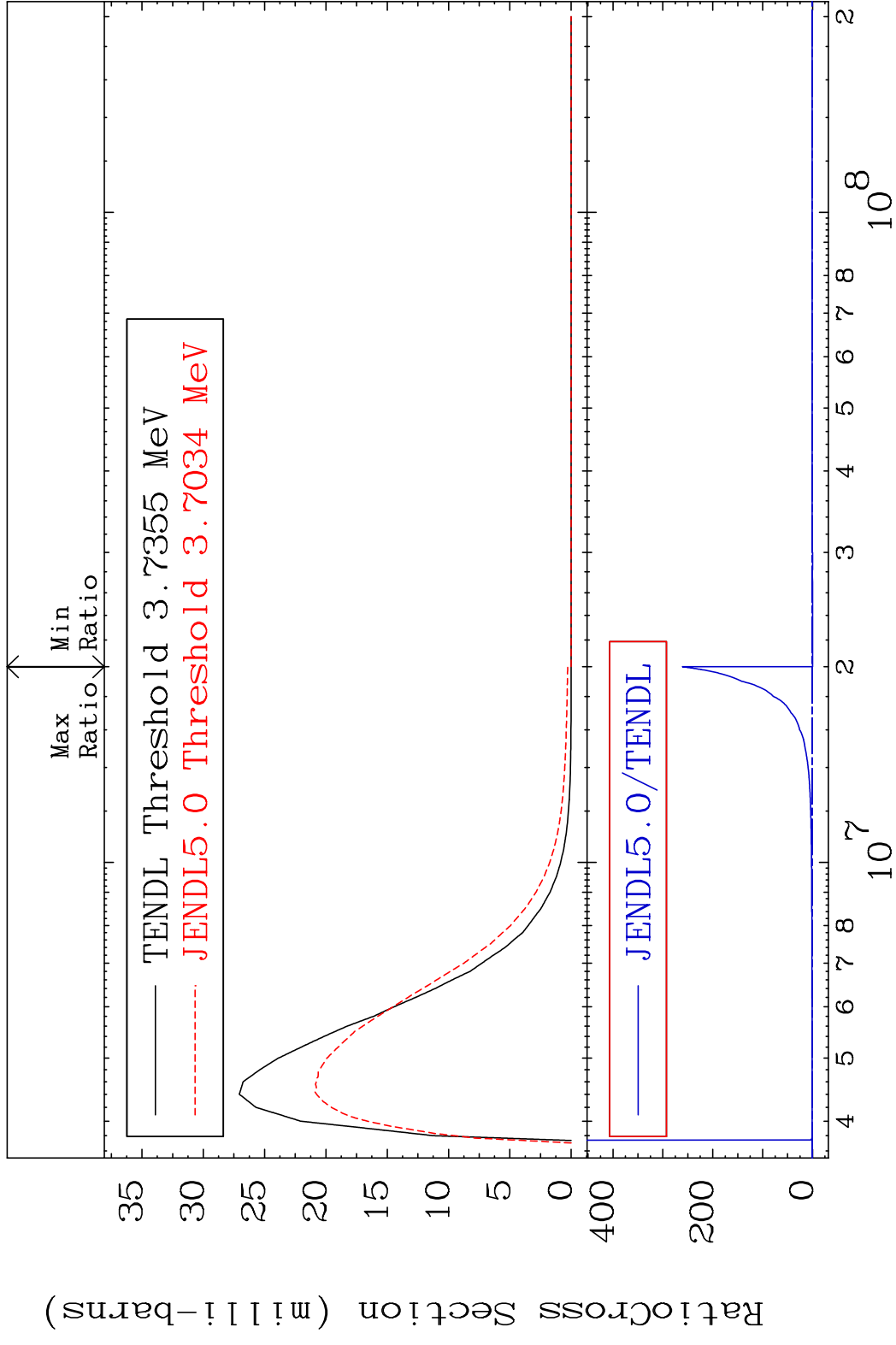
MAT 2028 MT= 65 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



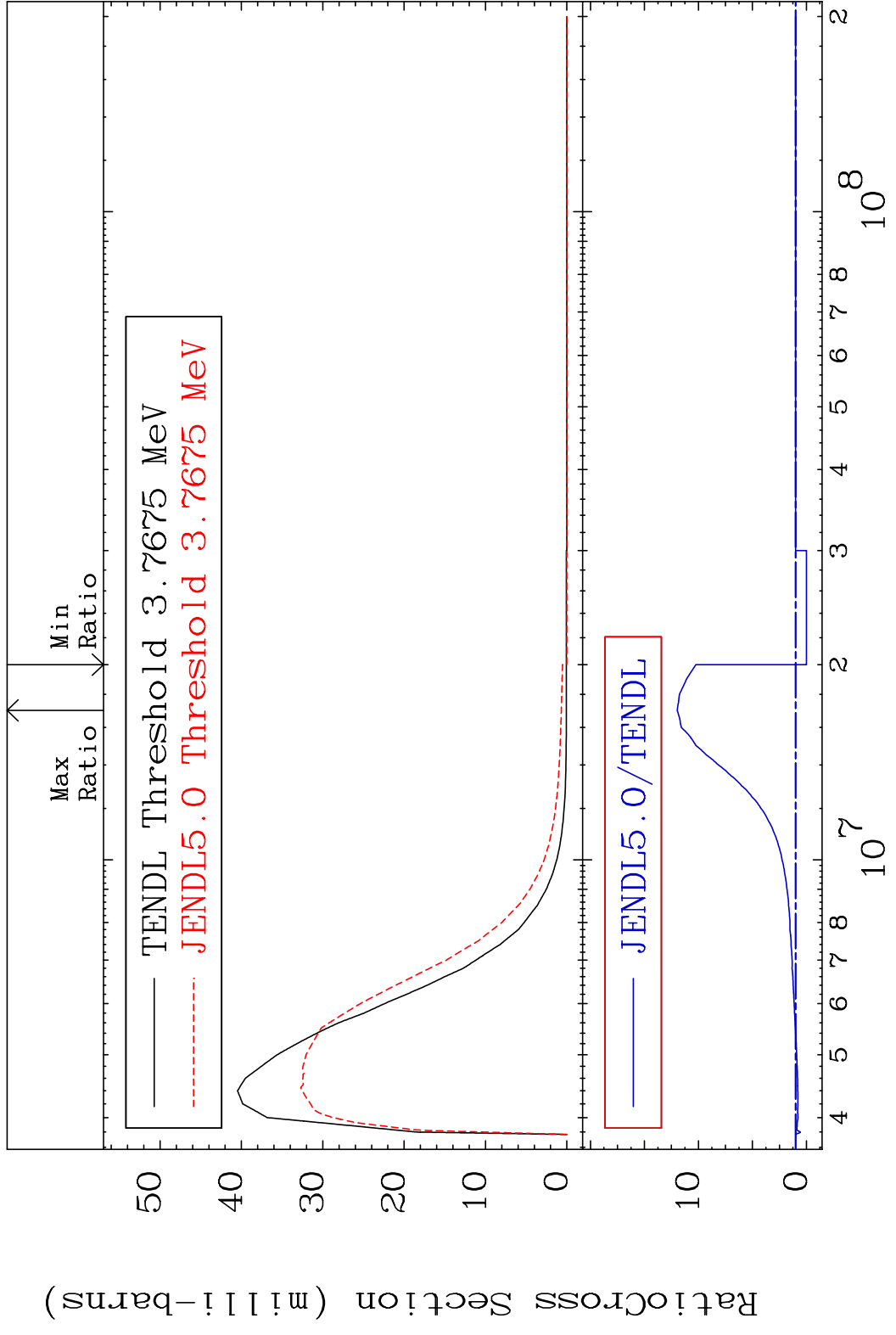
MAT 2028 MT= 66 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 67 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



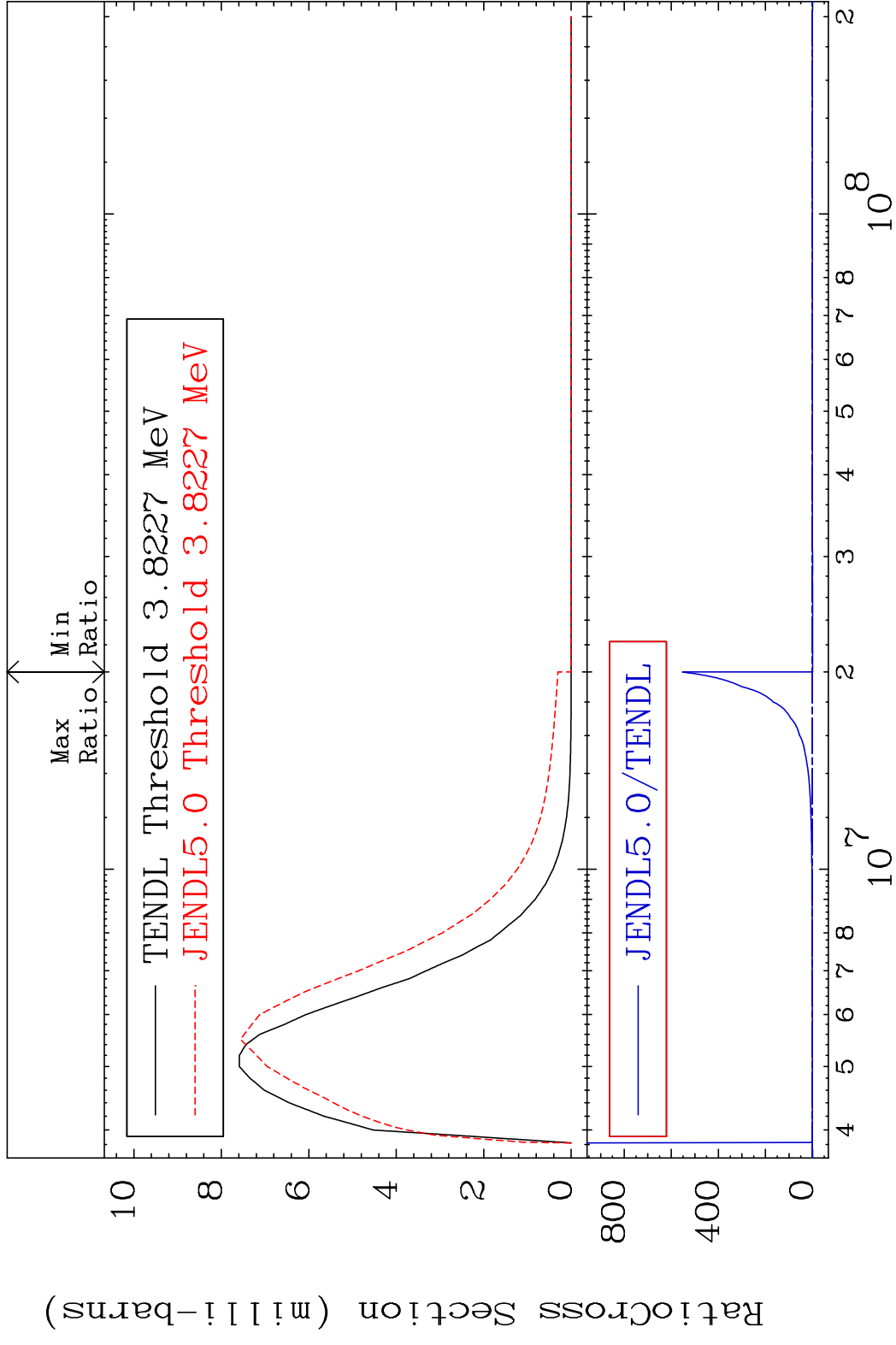
MAT 2028 MT= 68 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 1097. %



30

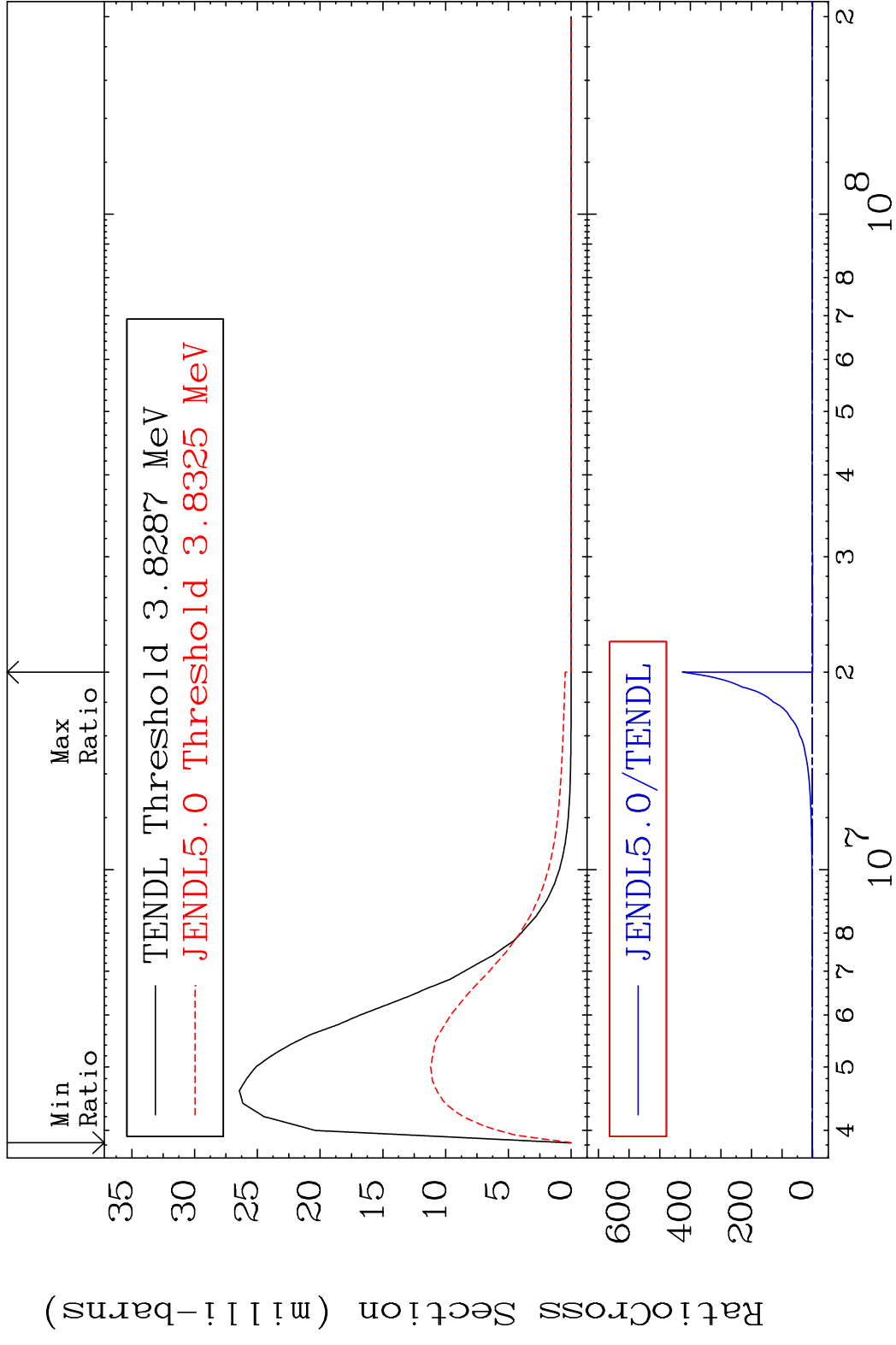
Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 69 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %

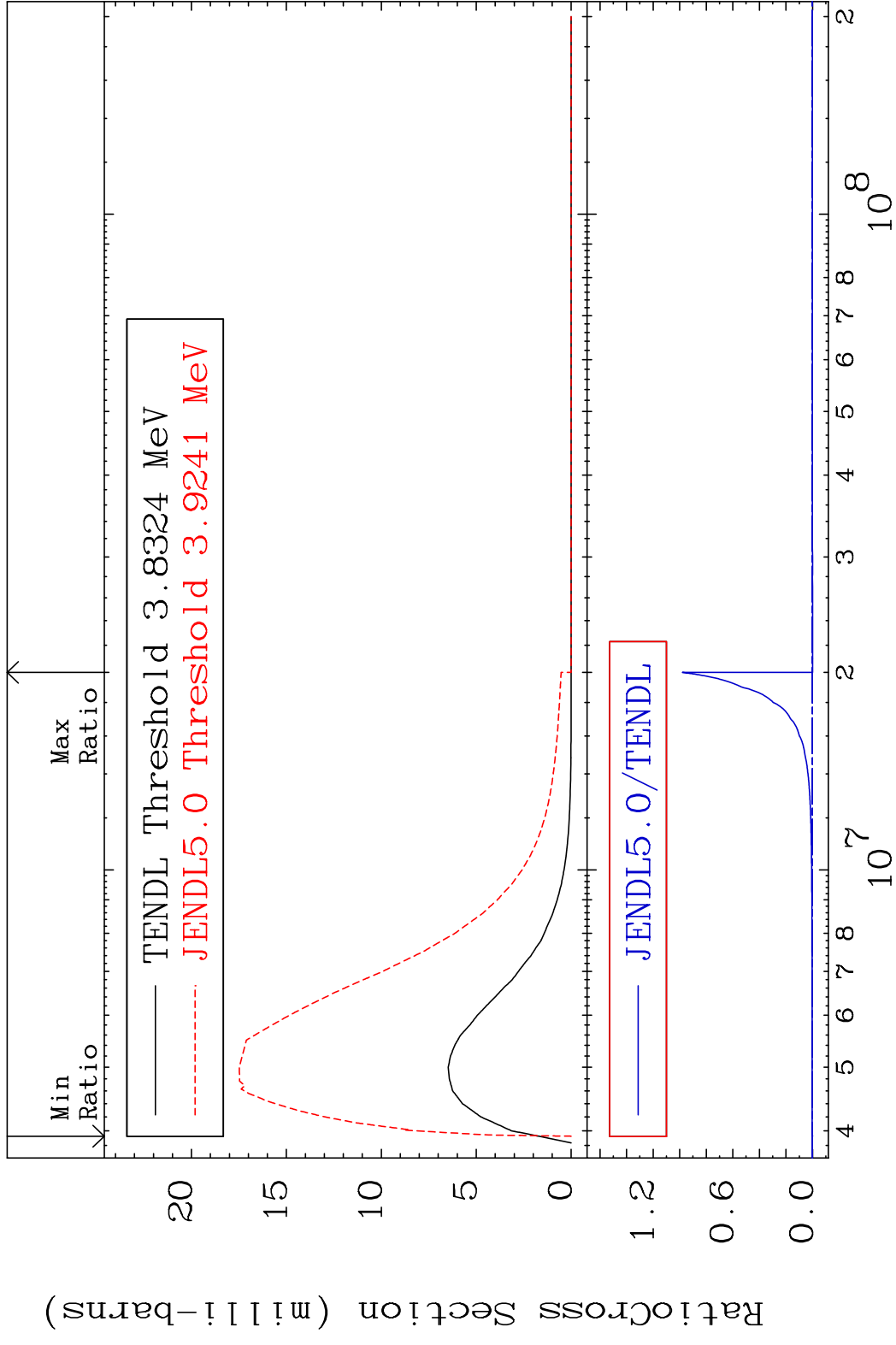


31 Incident Energy (eV) 20-Ca-41

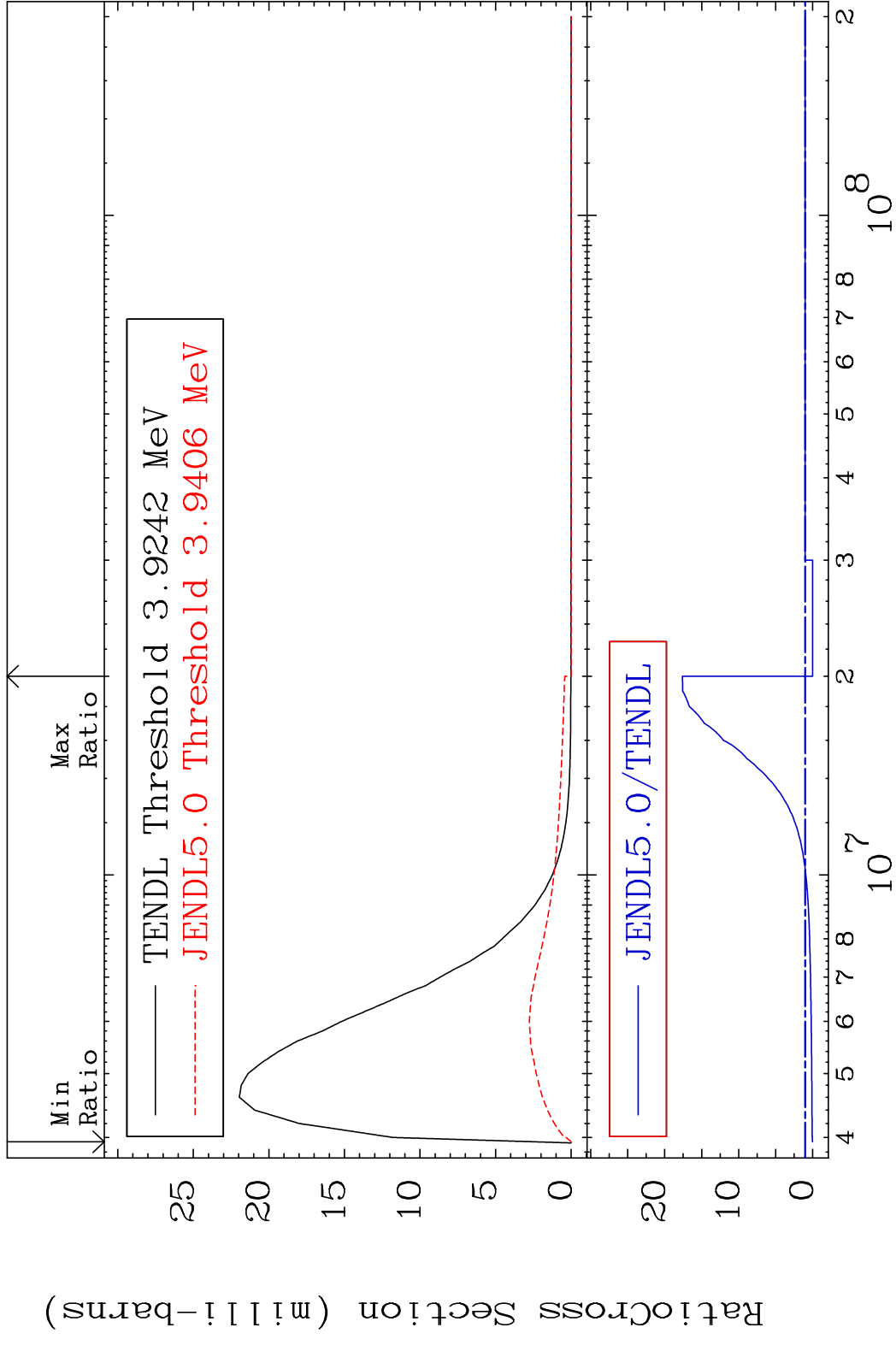
MAT 2028 MT= 70 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



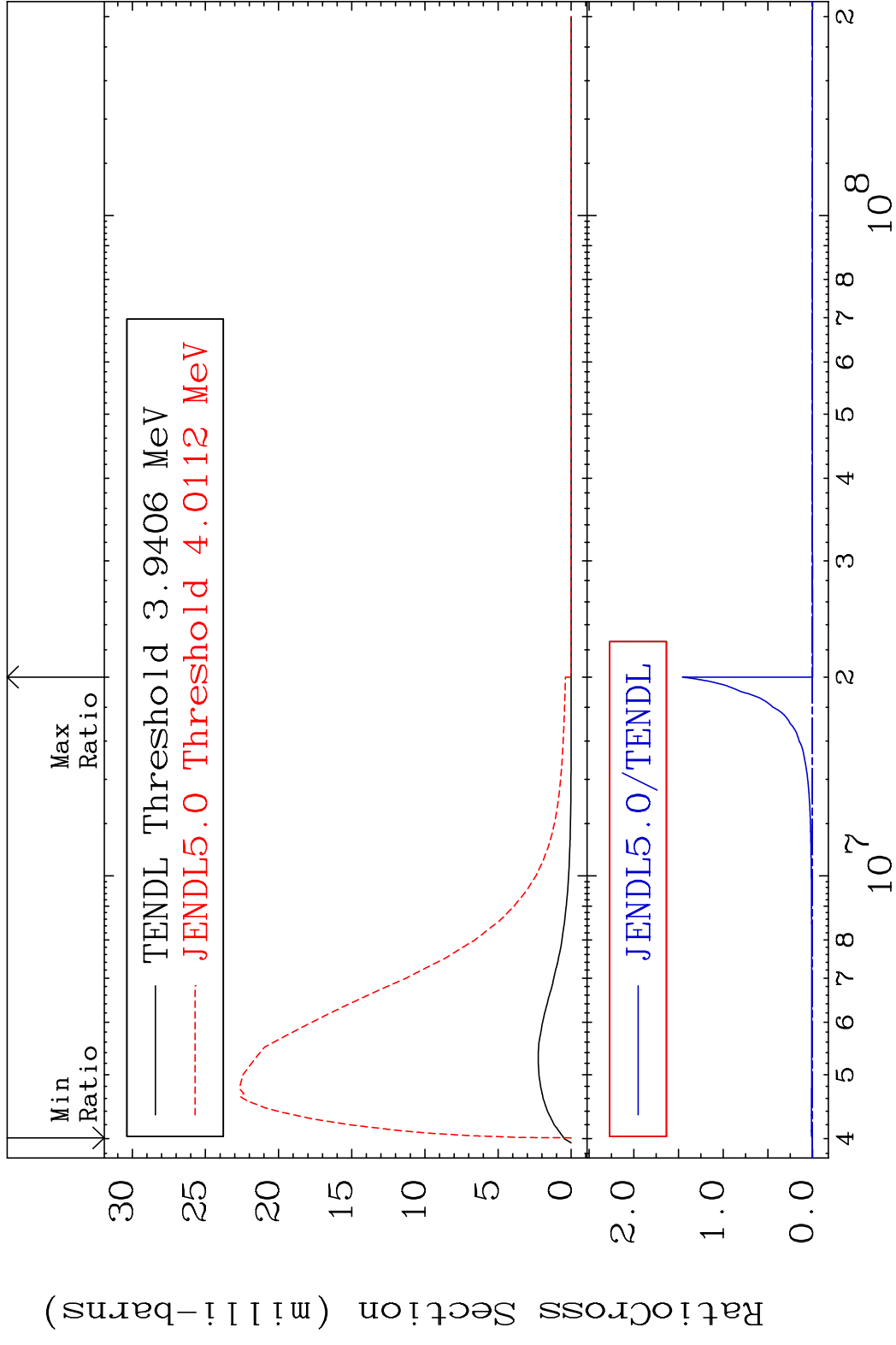
MAT 2028 MT= 71 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



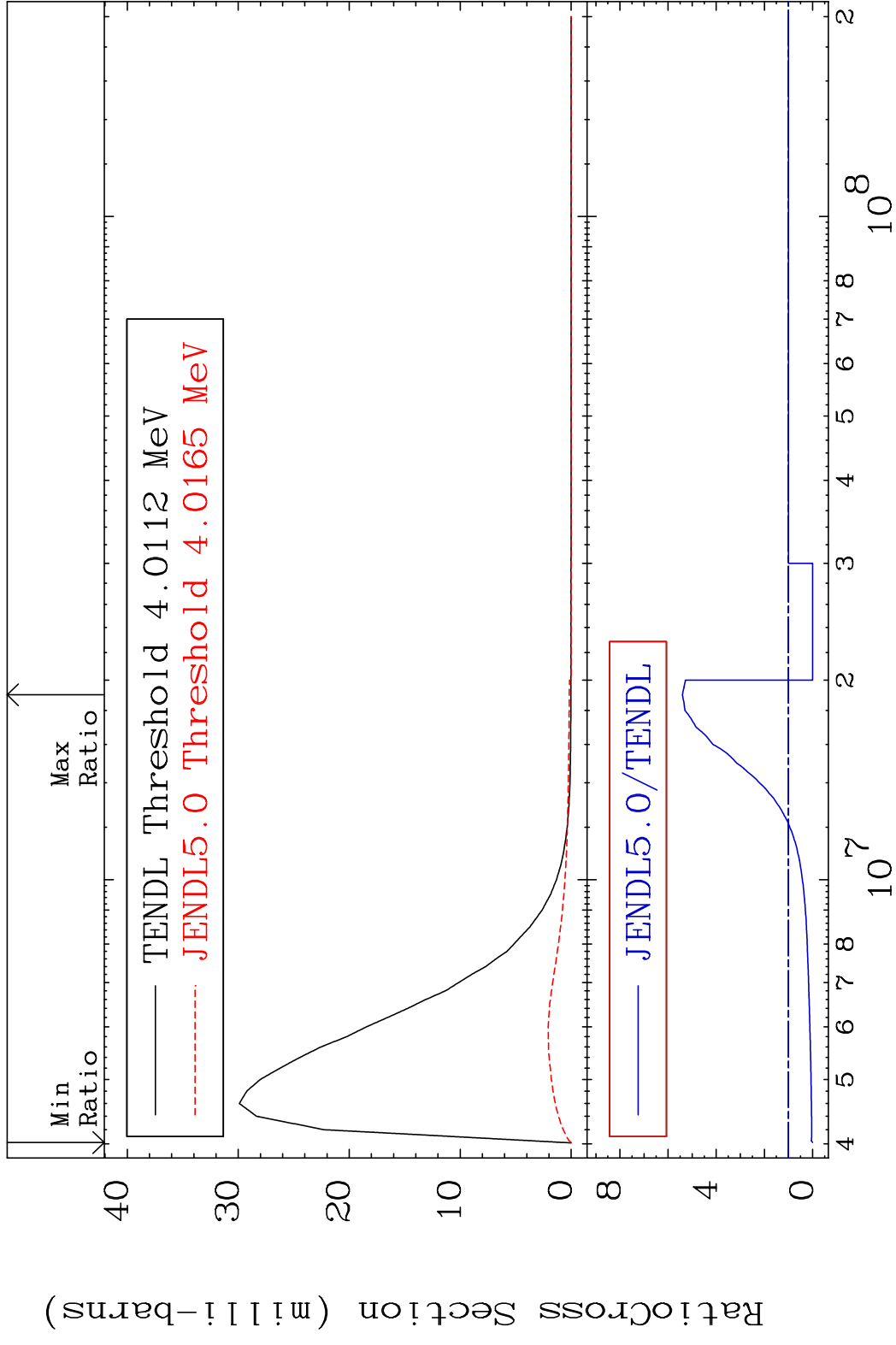
MAT 2028 MT= 72 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 1661. %



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

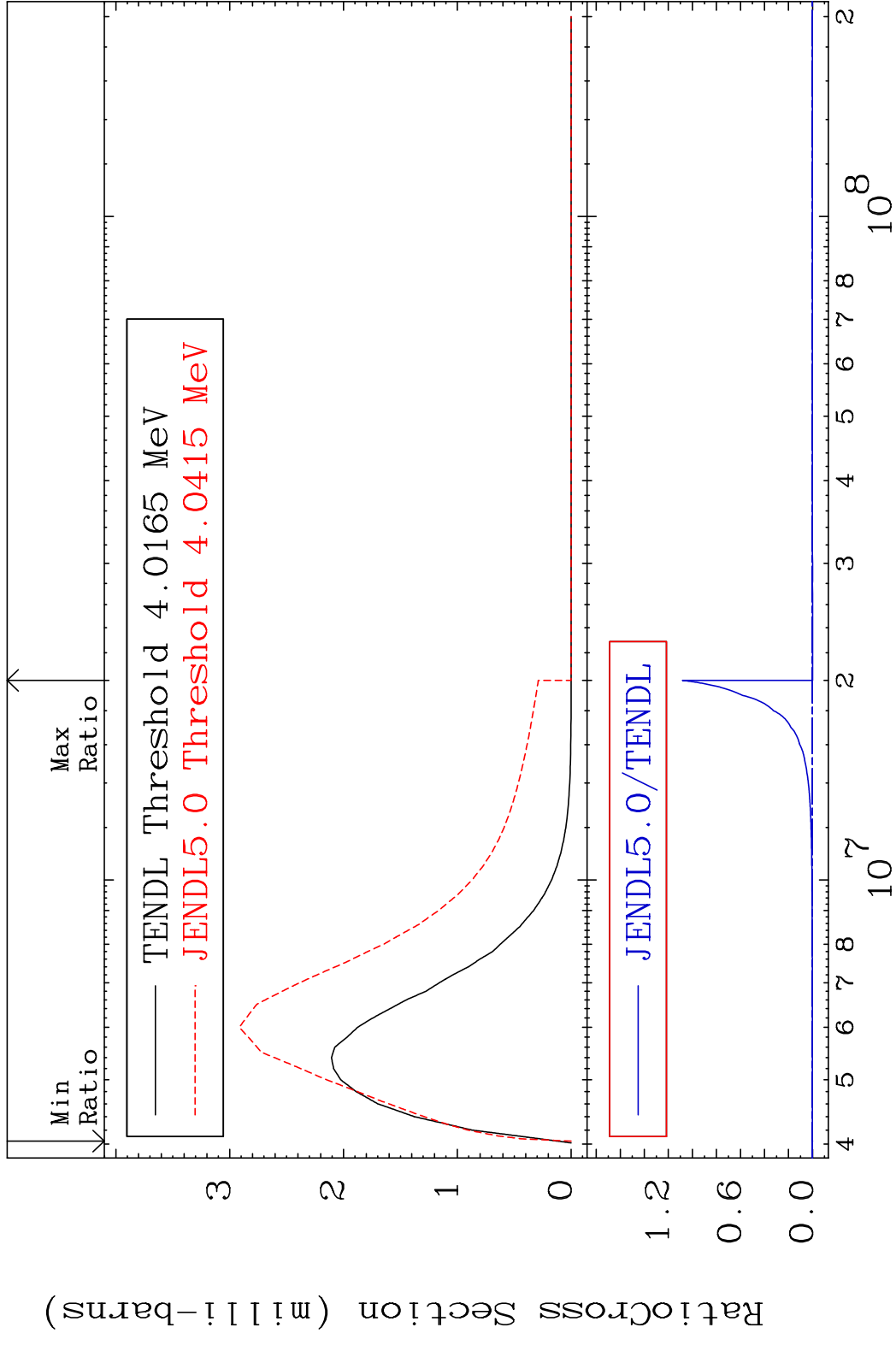


MAT 2028 MT= 74 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 440.8 %

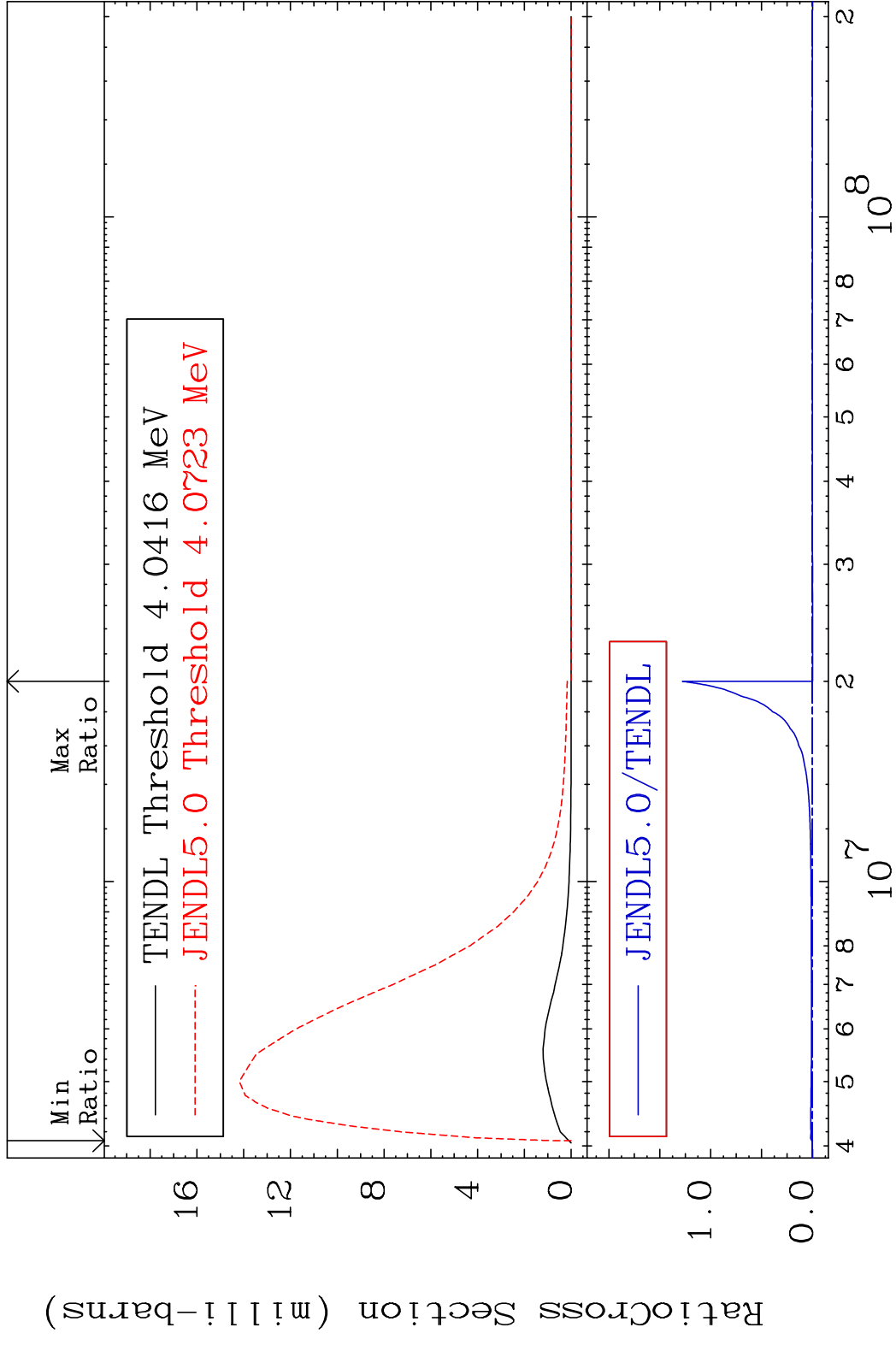


36 Incident Energy (eV) 20-Ca-41

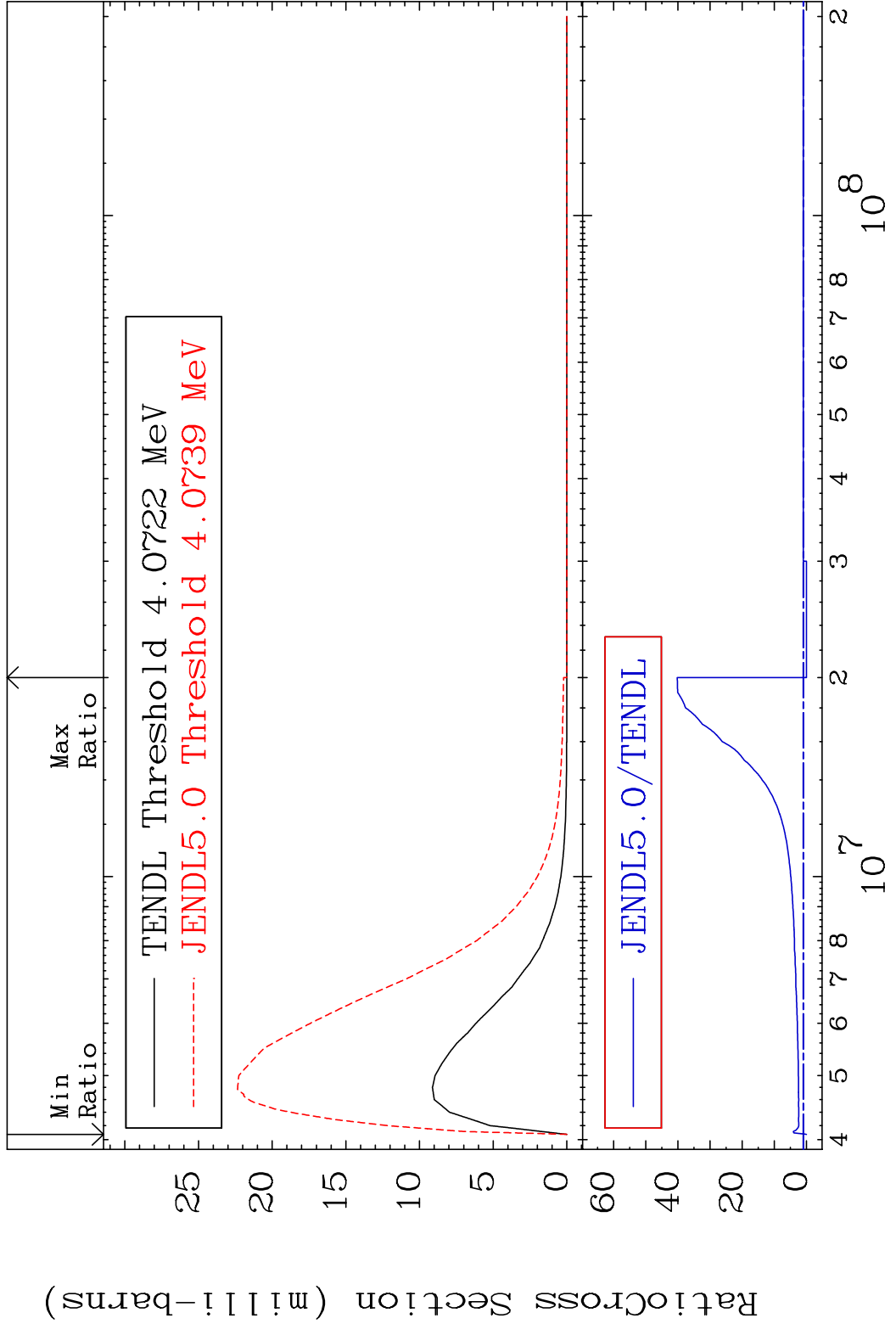
MAT 2028 MT= 75 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



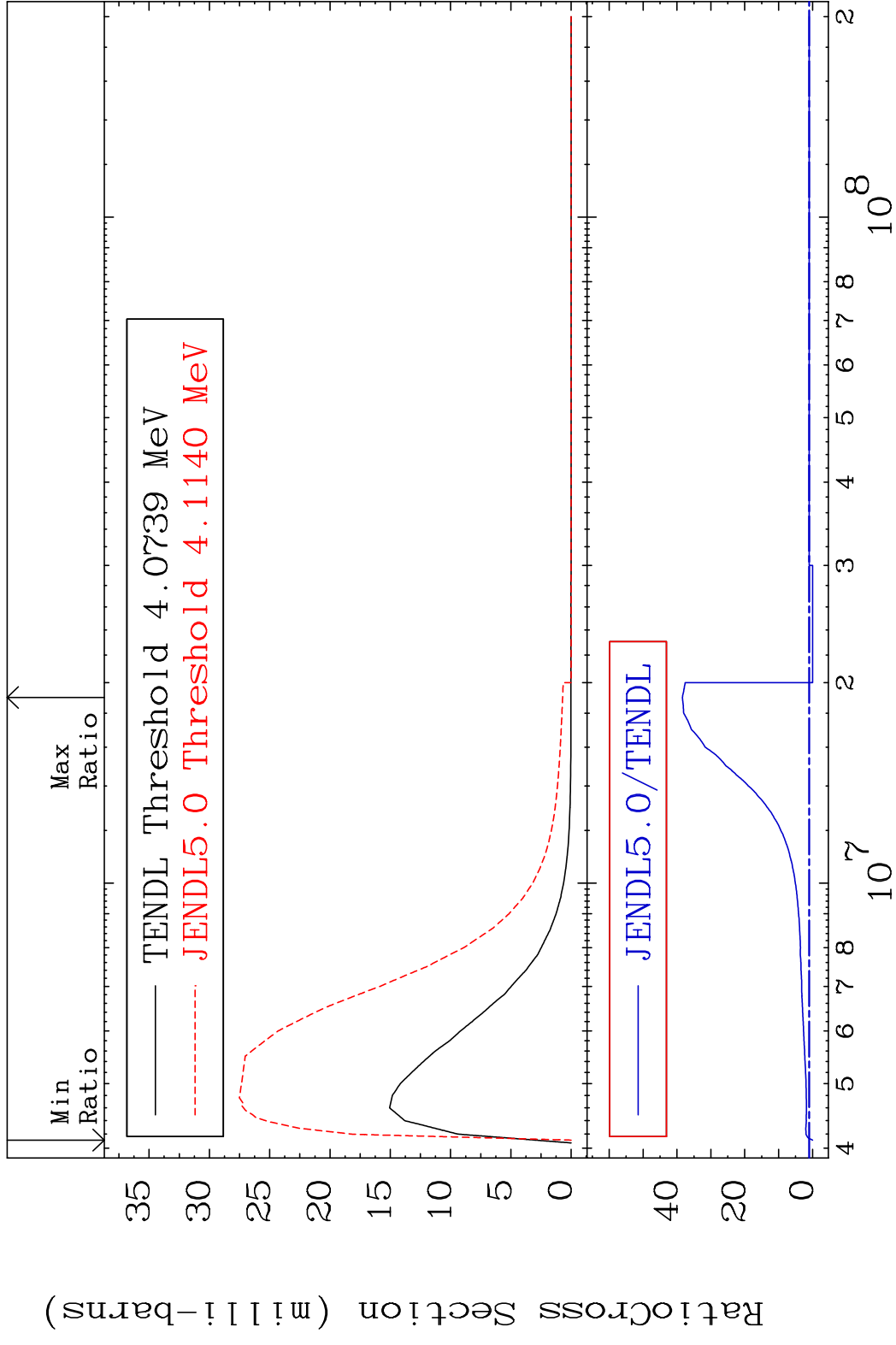
MAT 2028 MT= 76 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 77 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 3920. %

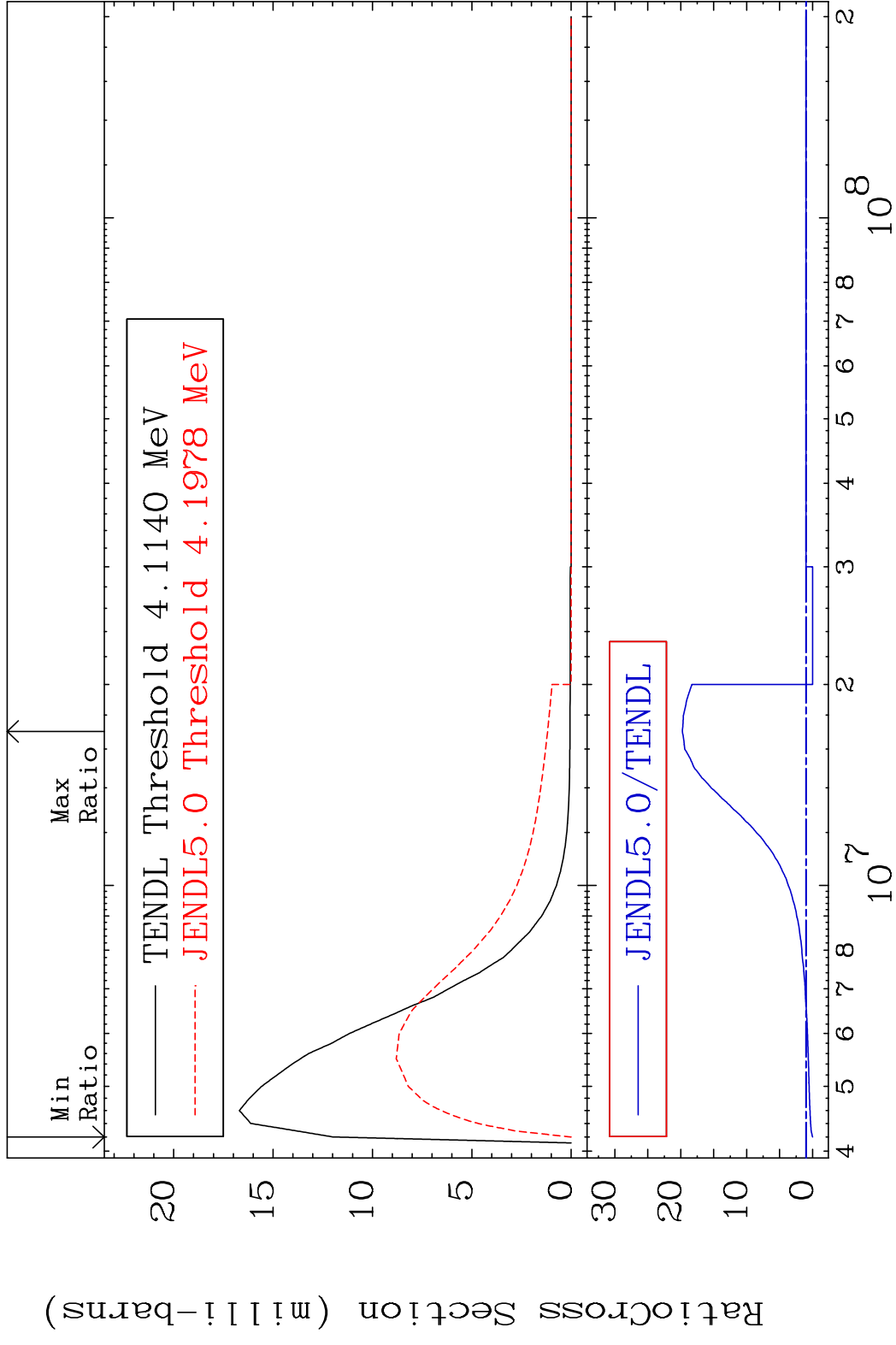


MAT 2028 MT= 78 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 3741. %

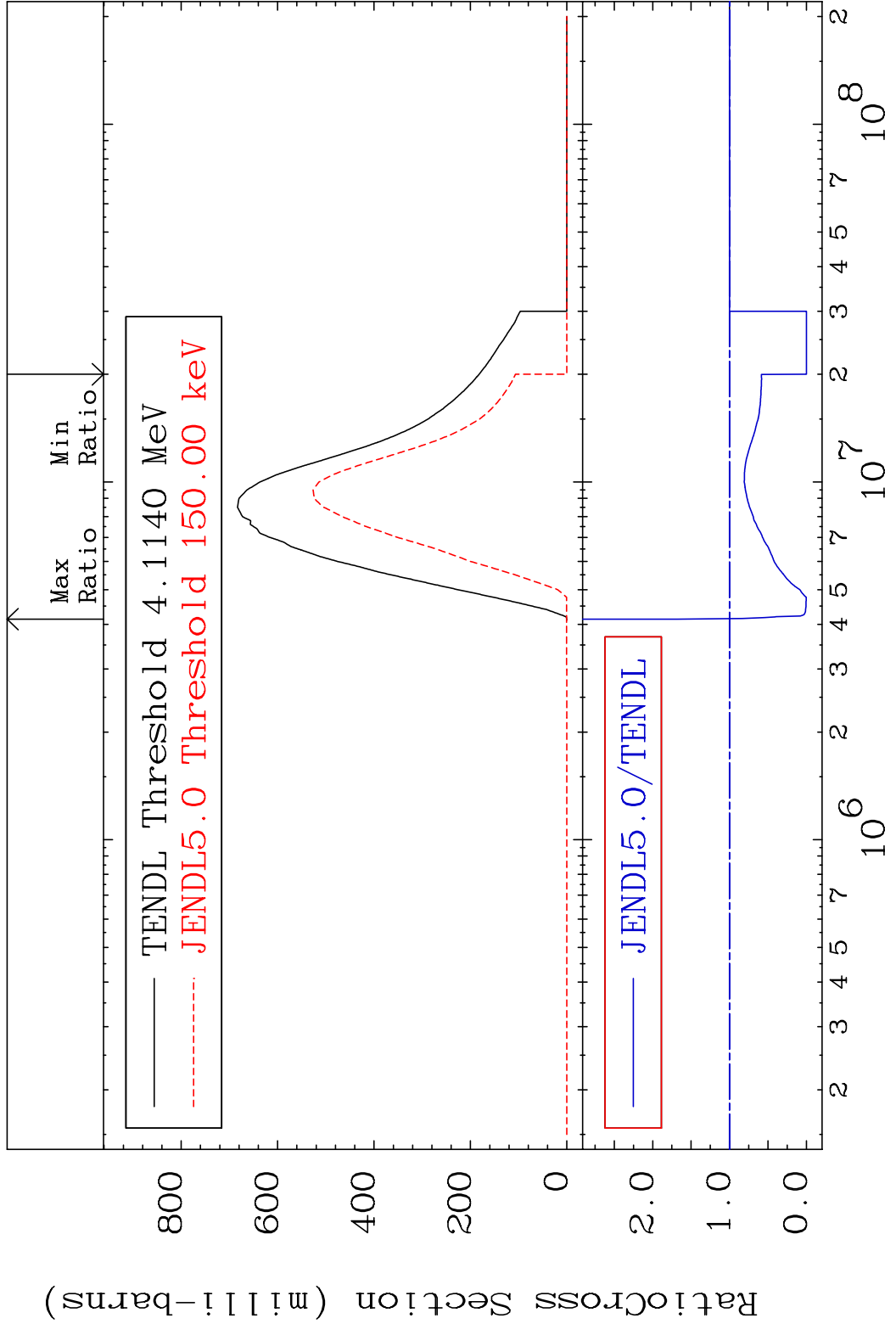


40 20 0 35 30 25 20 15 10 5 0 40 20 0 4 5 6 7 8 10⁷ 10⁸ 2

MAT 2028 MT= 79 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 1876. %



MAT 2028 (n, n') Continuum 20-Ca-41
 Cross Section -100.0 To 68.10 %

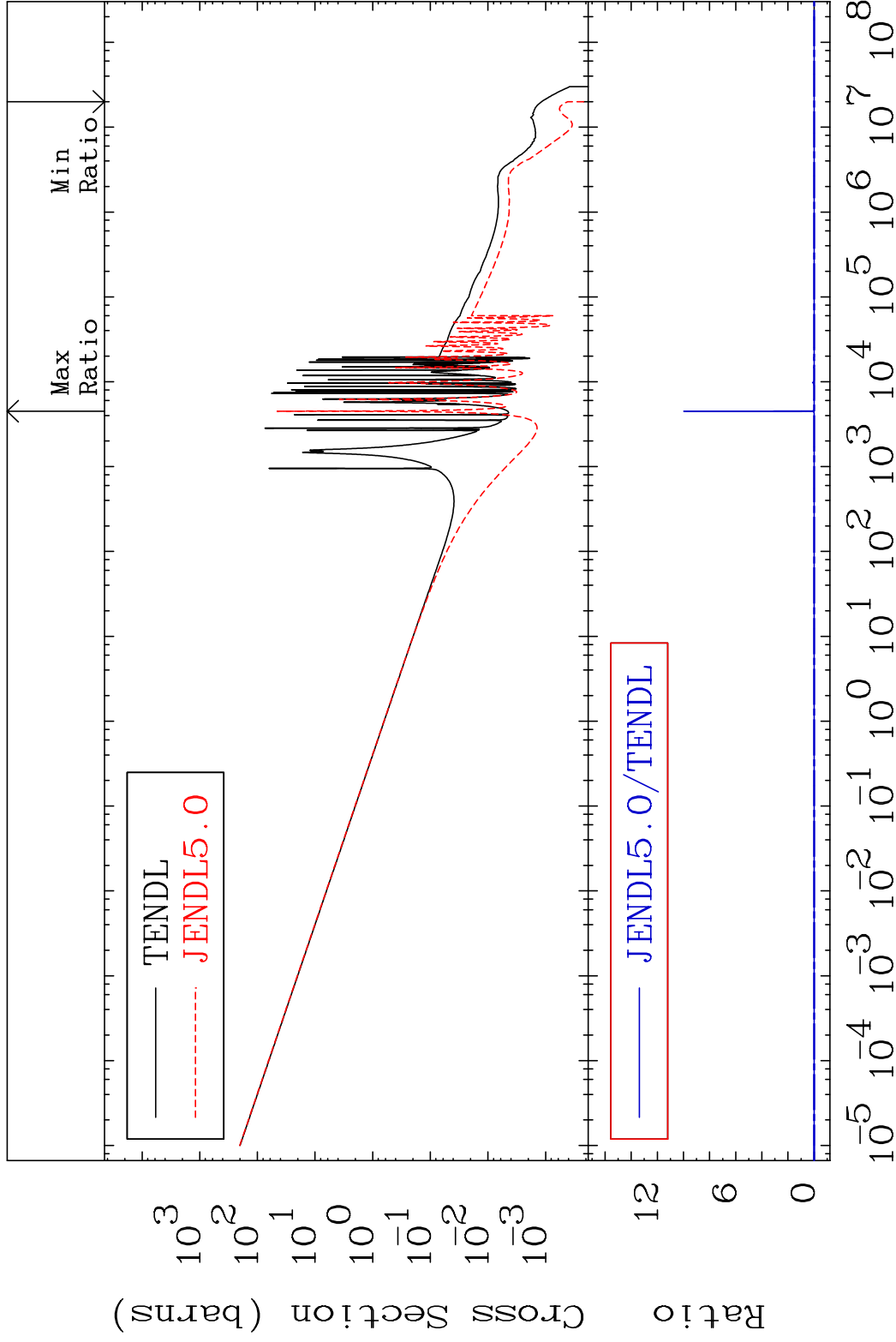


MAT 2028

(n, γ)

20-Ca-41

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

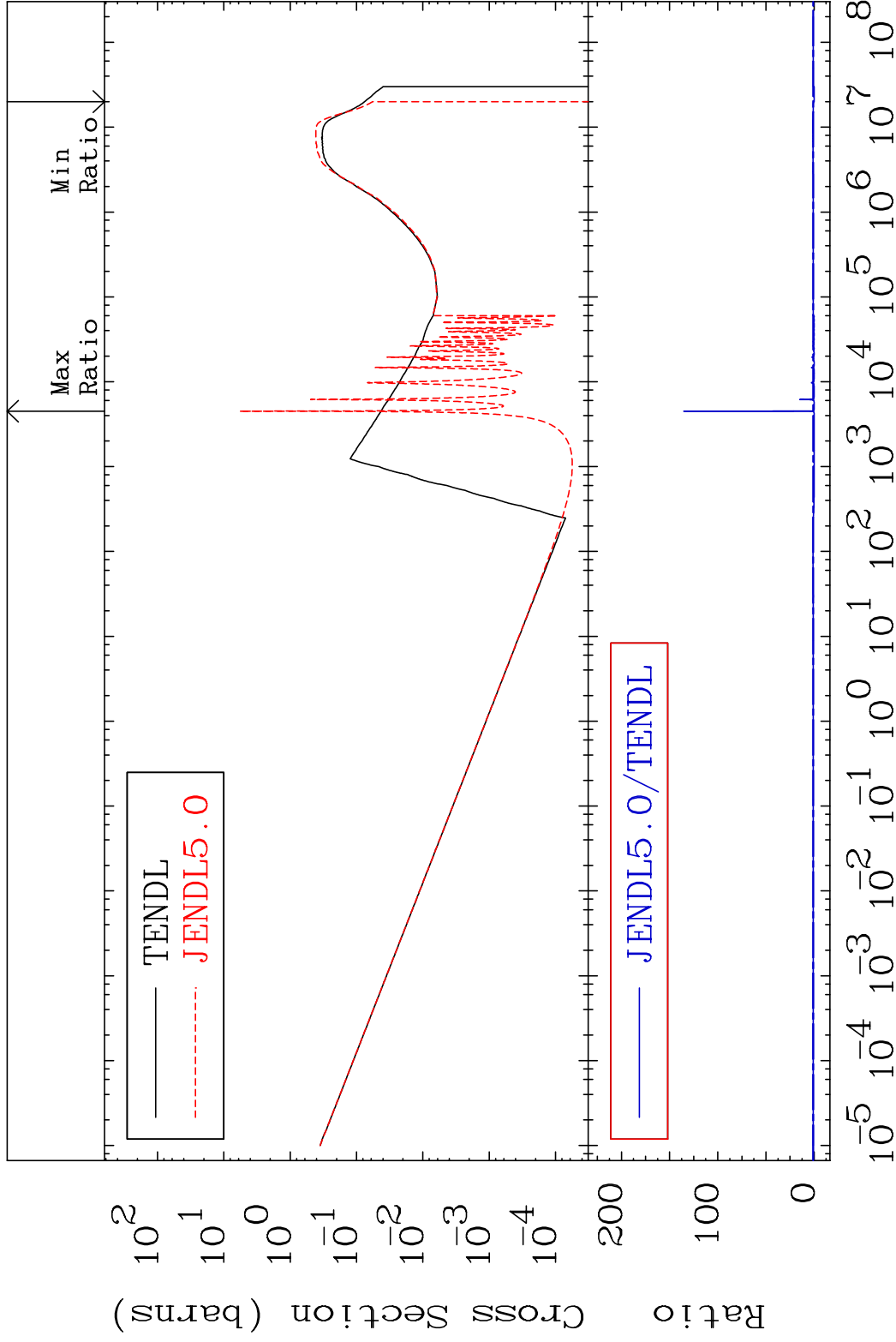
20-Ca-41

MAT 2028

(n, p)

20-Ca-41

Cross Section -100.0 To 9999. %

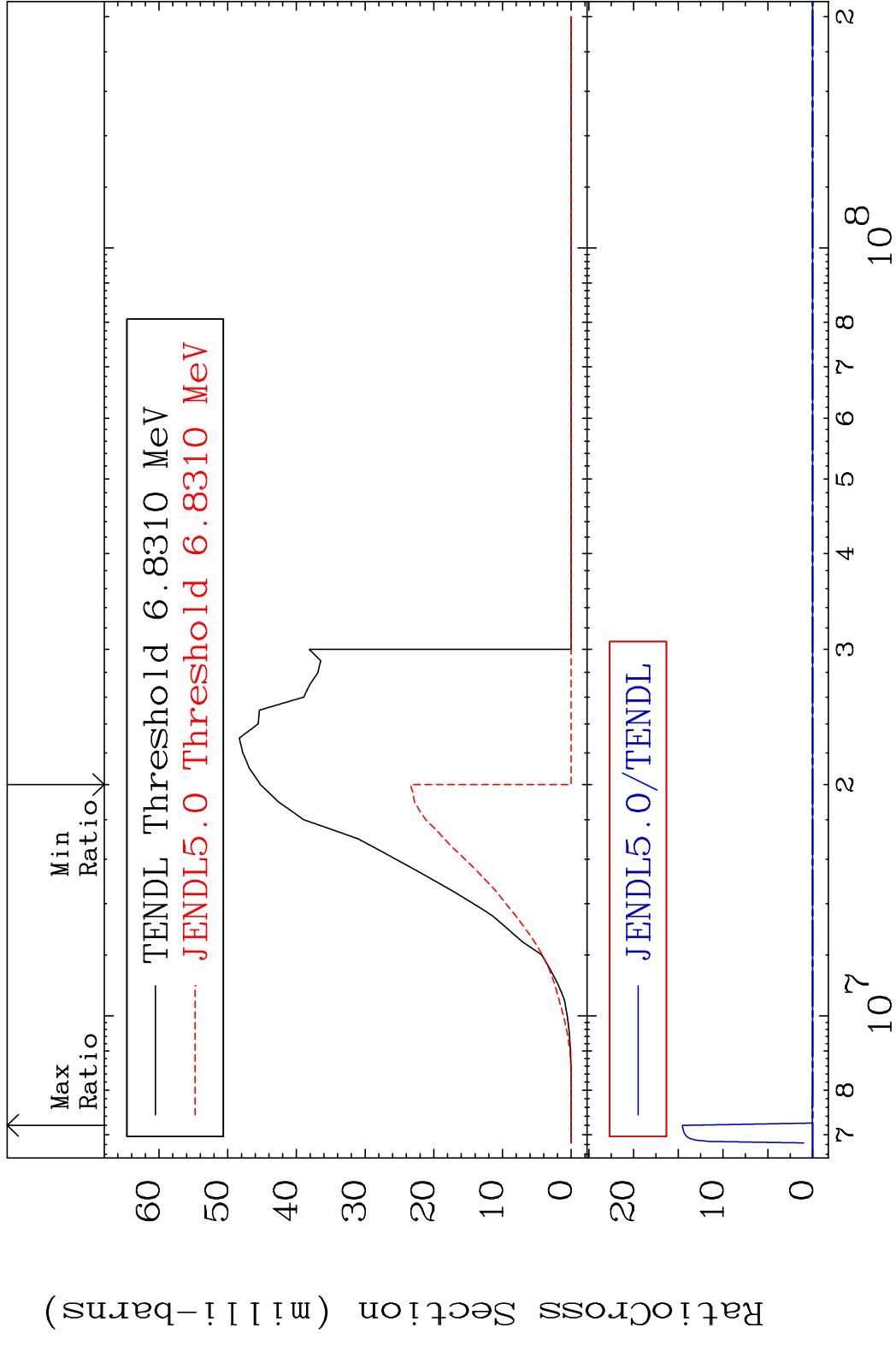


44

Incident Energy (eV)

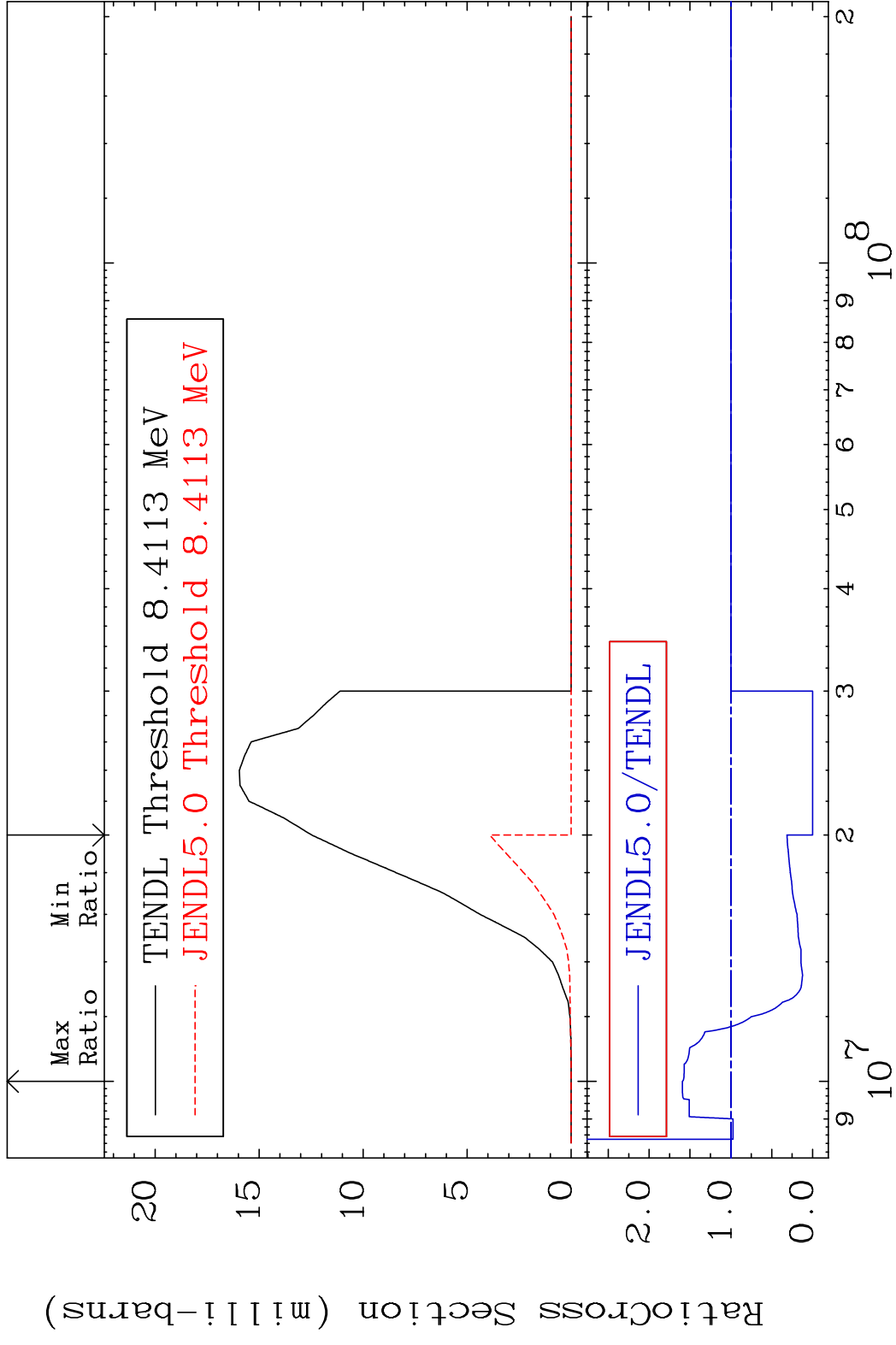
20-Ca-41

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



45 Incident Energy (eV) 20-Ca-41

MAT 2028 (n, t) 20-Ca-41
 Cross Section -100.0 To 59.38 %

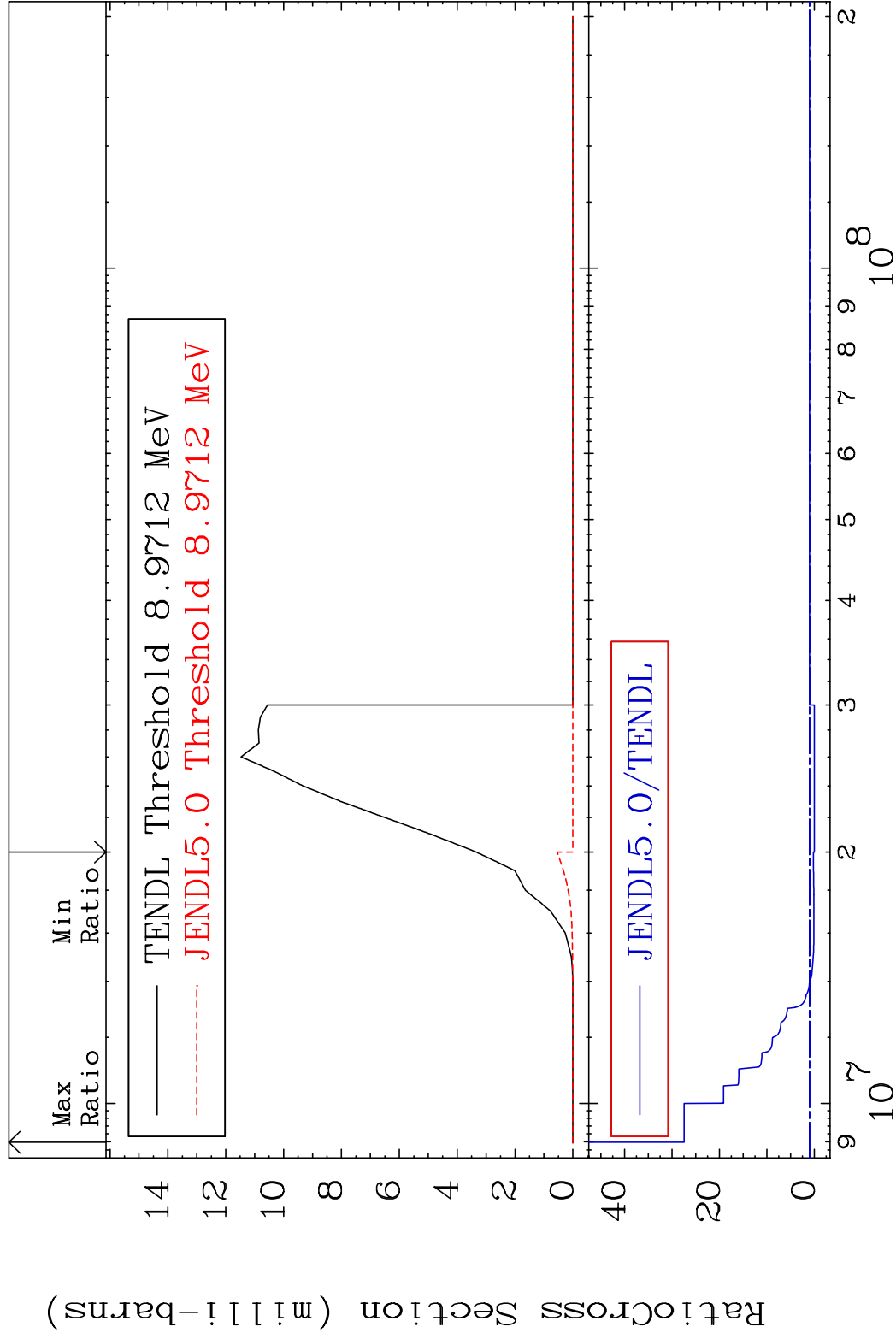


MAT 2028

(n, He-3)

20-Ca-41

Cross Section -100.0 To 2647. %



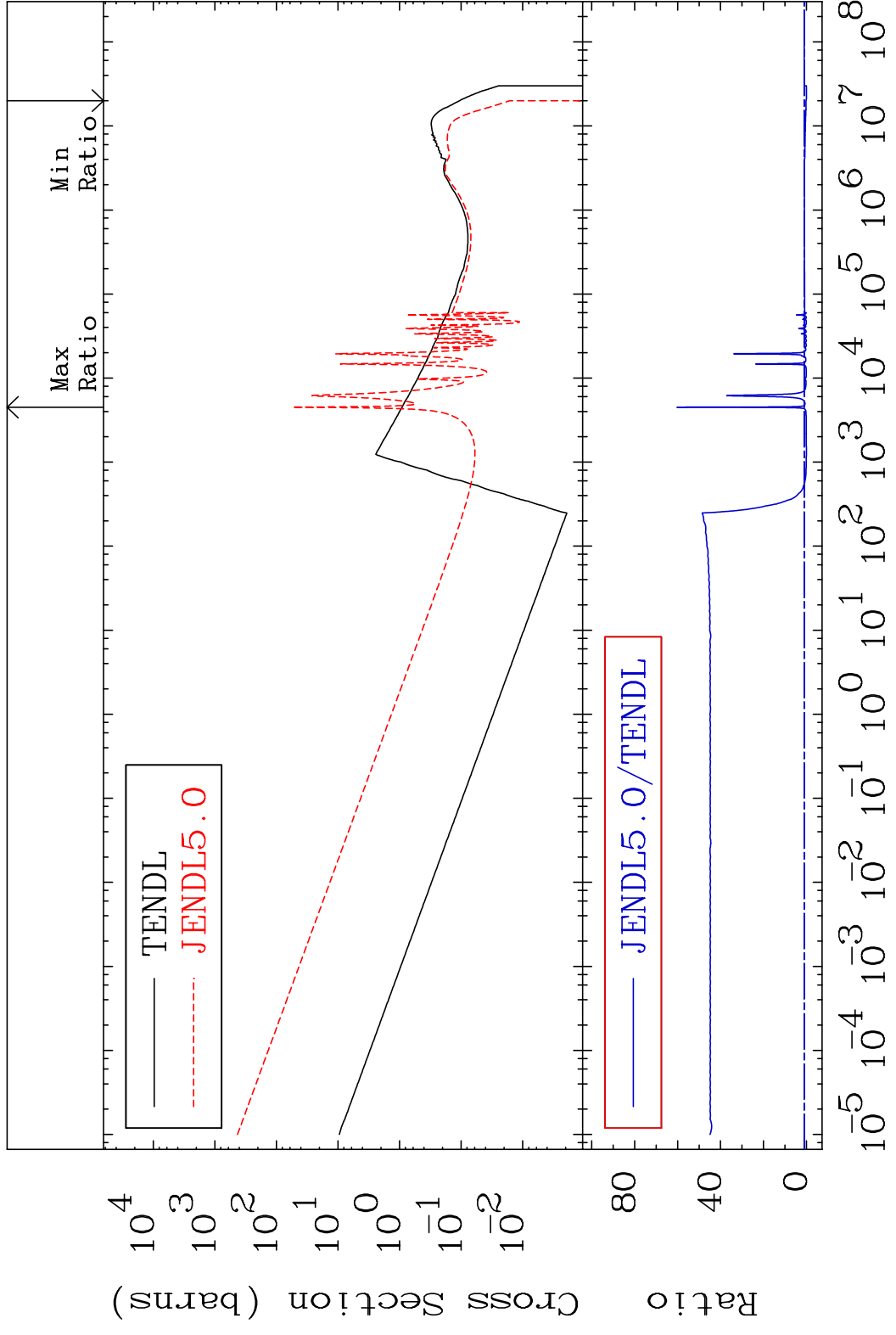
47

Incident Energy (eV)

20-Ca-41

MAT 2028

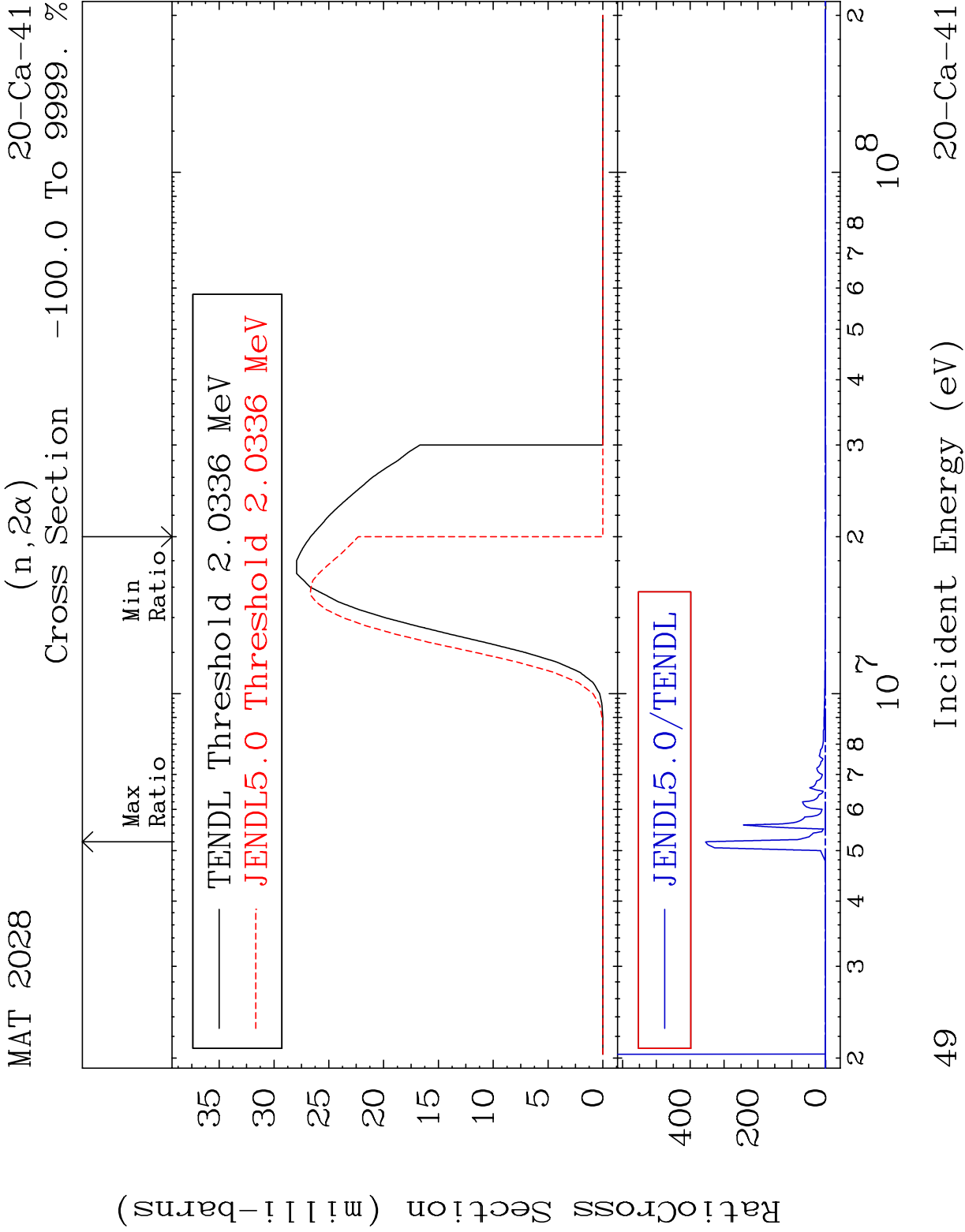
(n, α)
Cross Section -100.0 To 5920. %
20-Ca-41



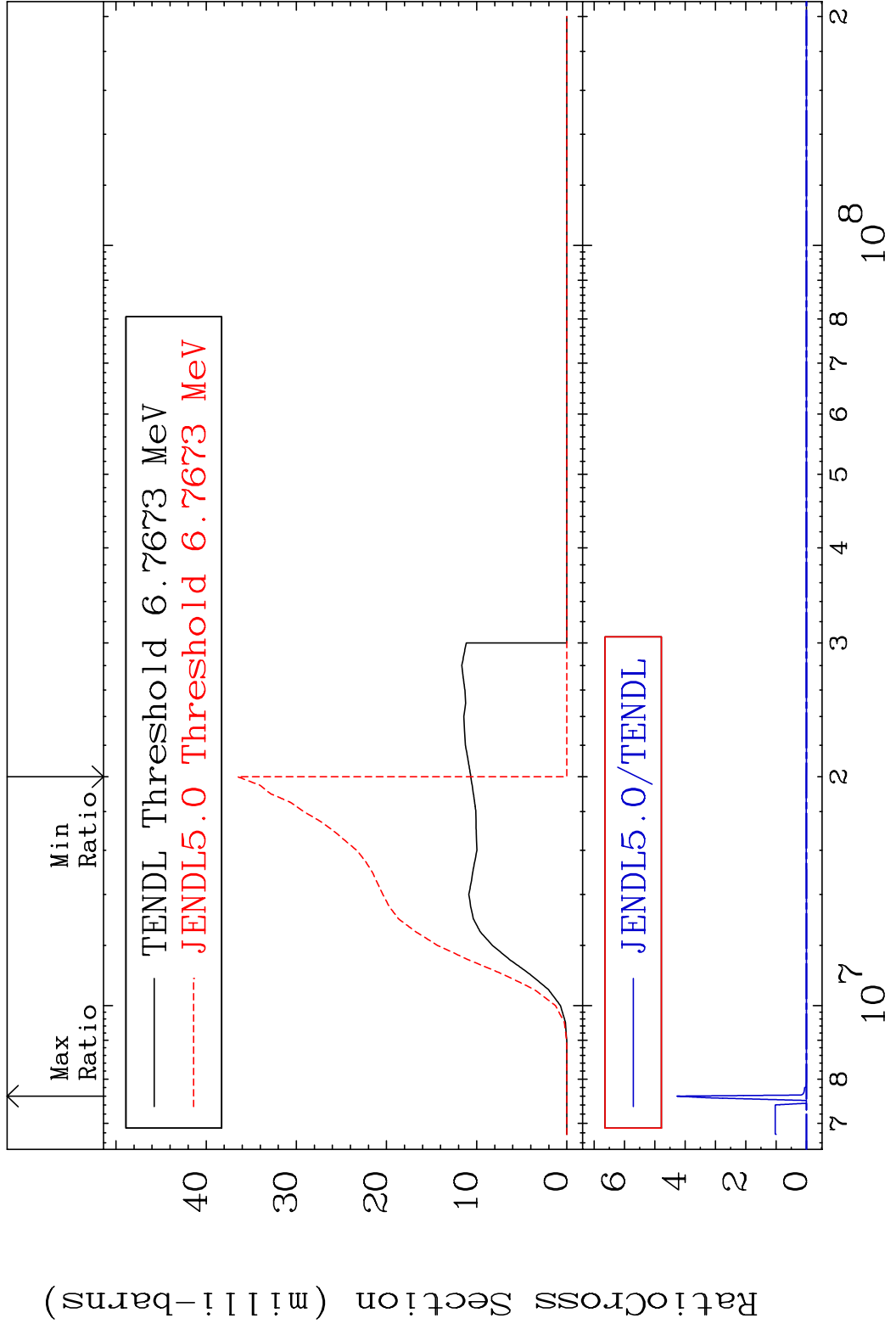
48

Incident Energy (eV)

20-Ca-41

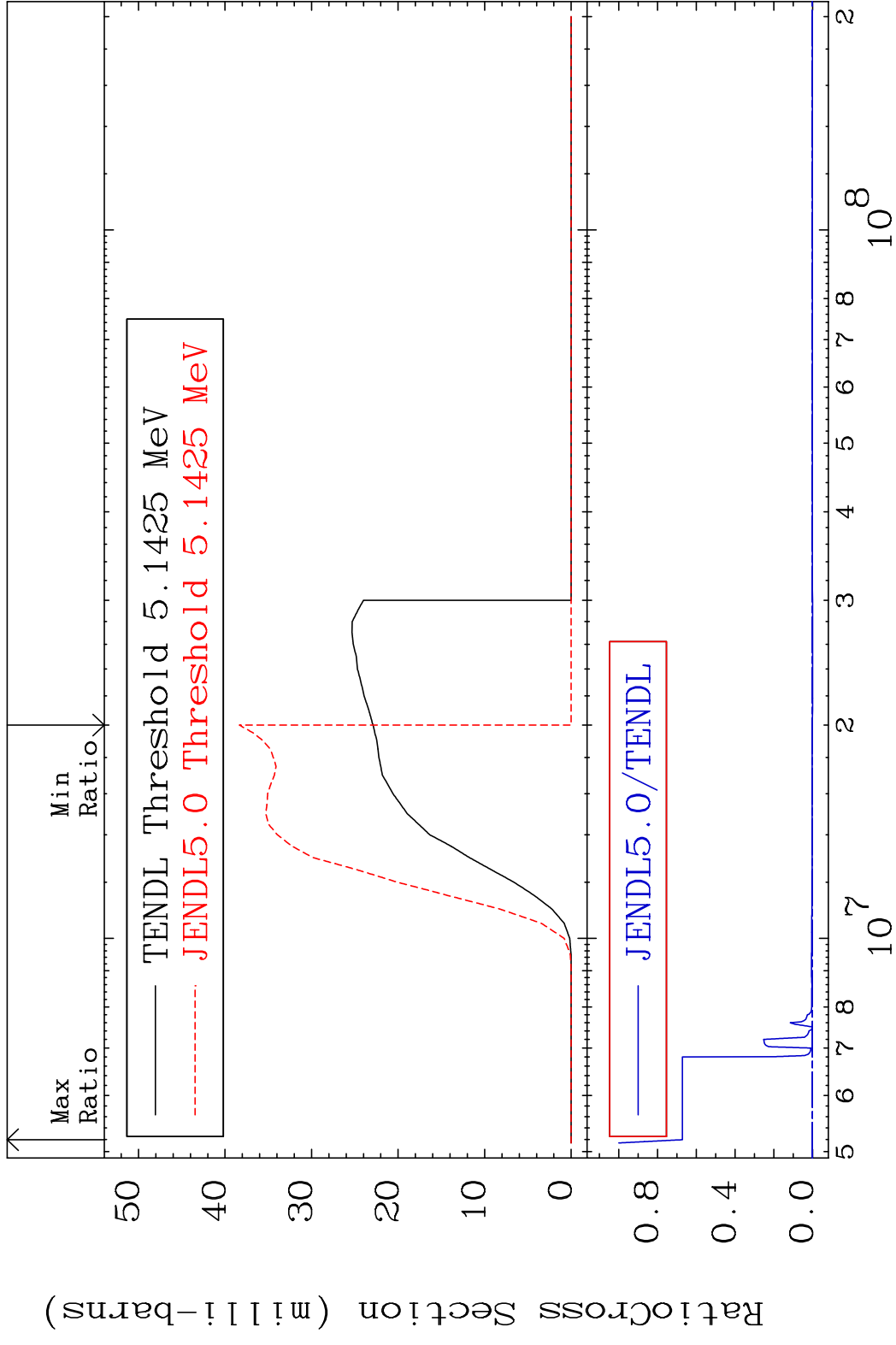


MAT 2028 (n,2p) 20-Ca-41
 Cross Section -100.0 To 9999. %

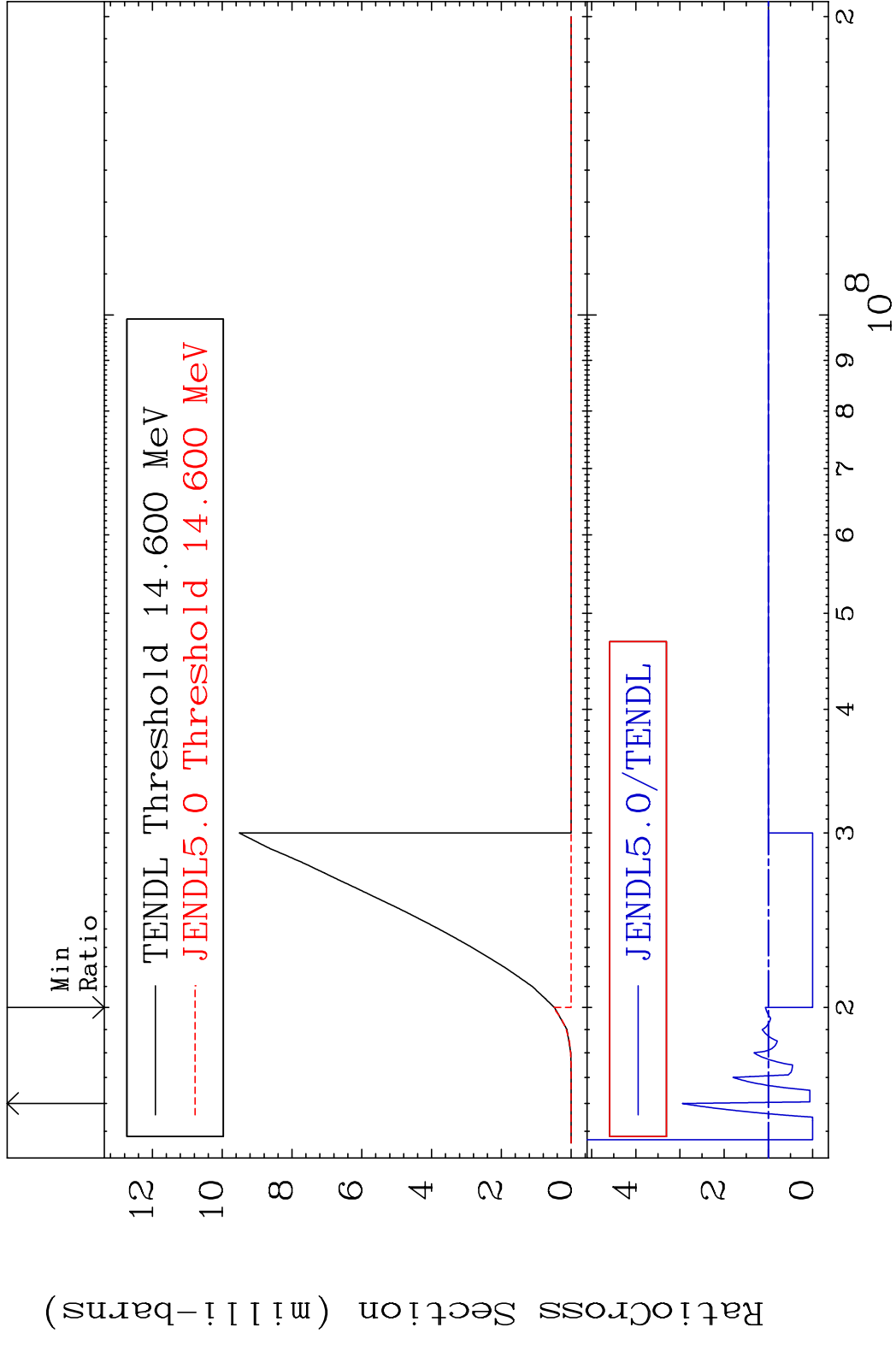


50

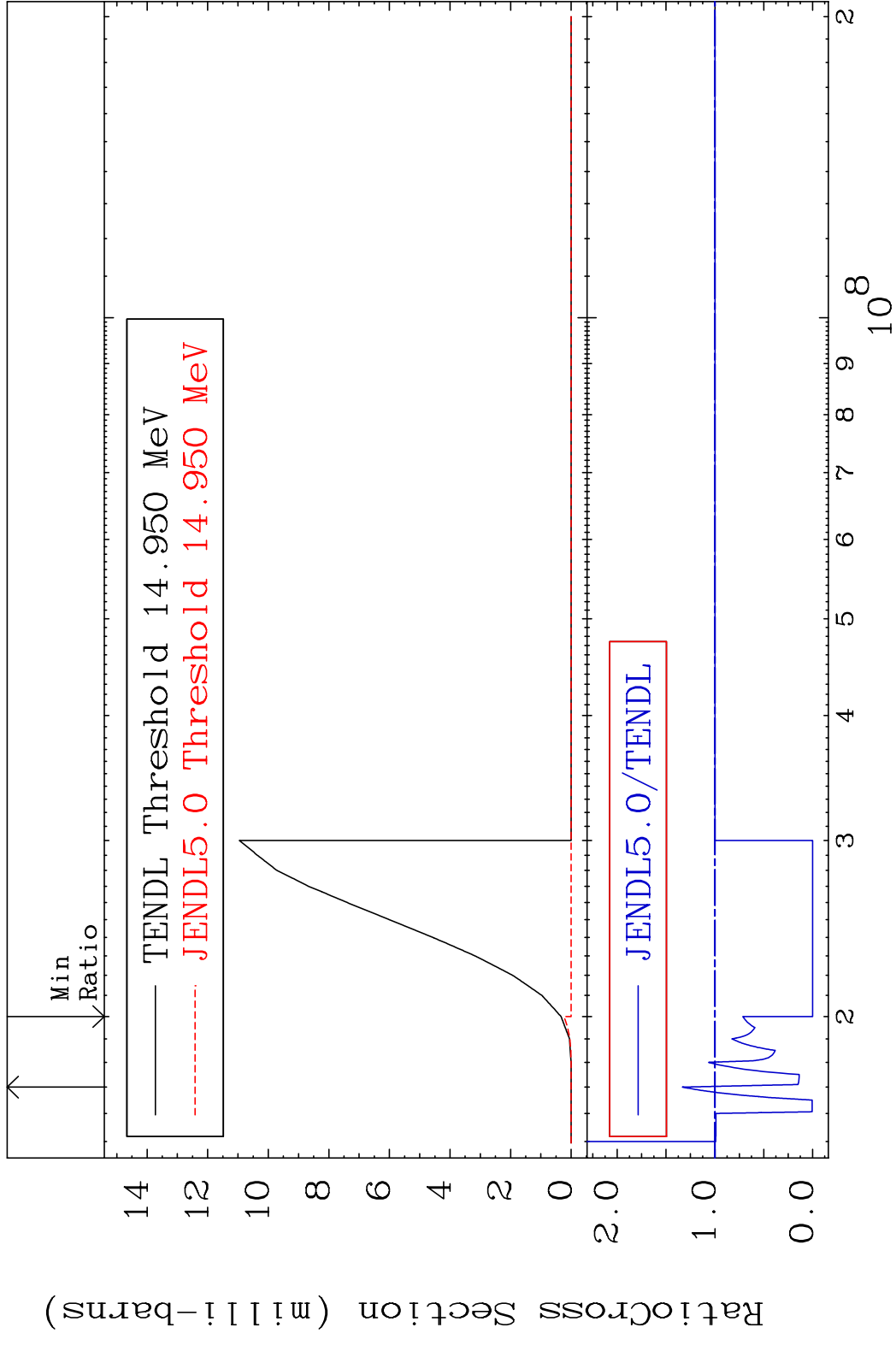
MAT 2028 (n,p) α 20-Ca-41
 Cross Section -100.0 To 9999. %



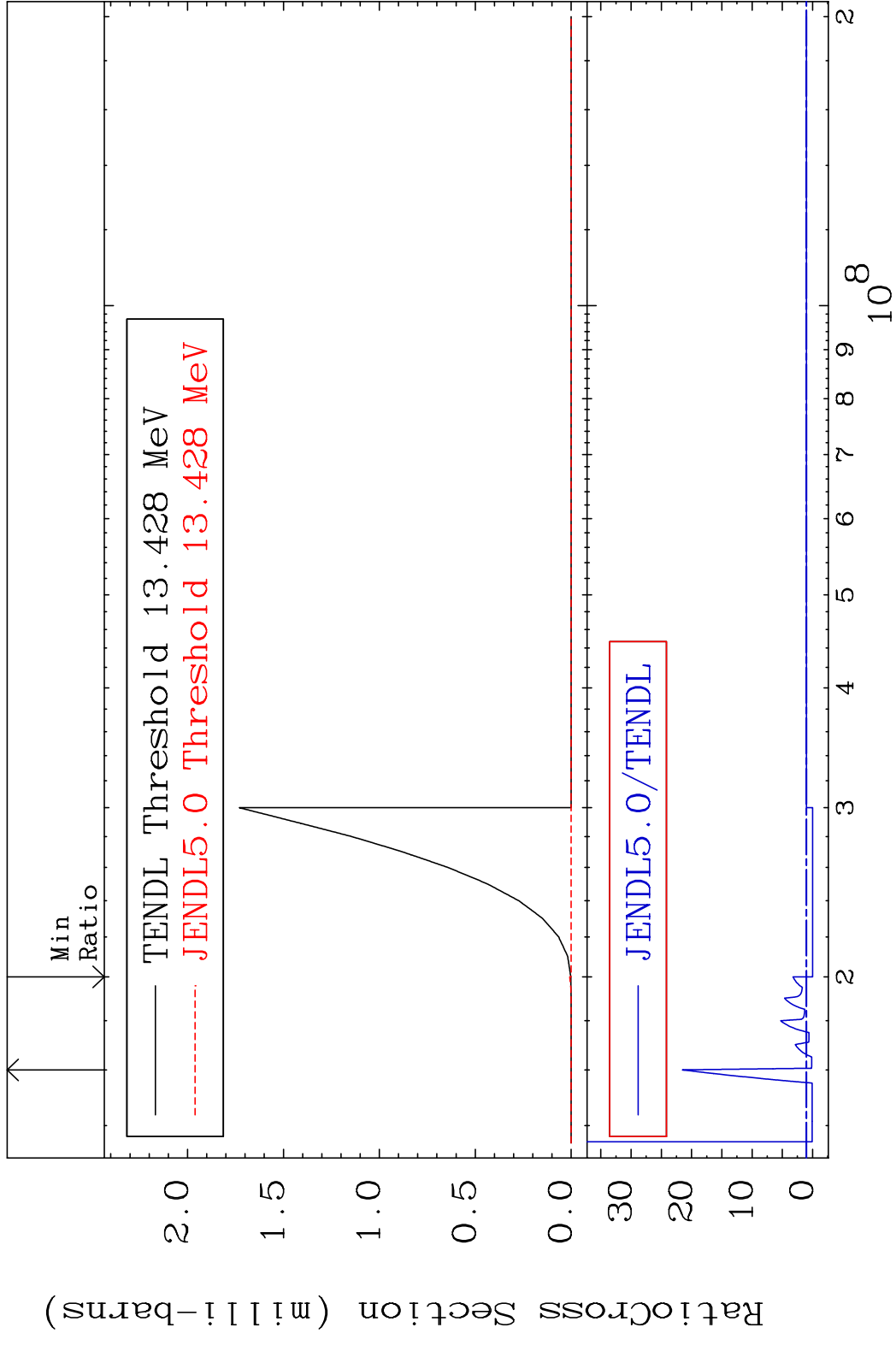
MAT 2028 (n,p) d 20-Ca-41
 Cross Section -100.0 To 194.6 %



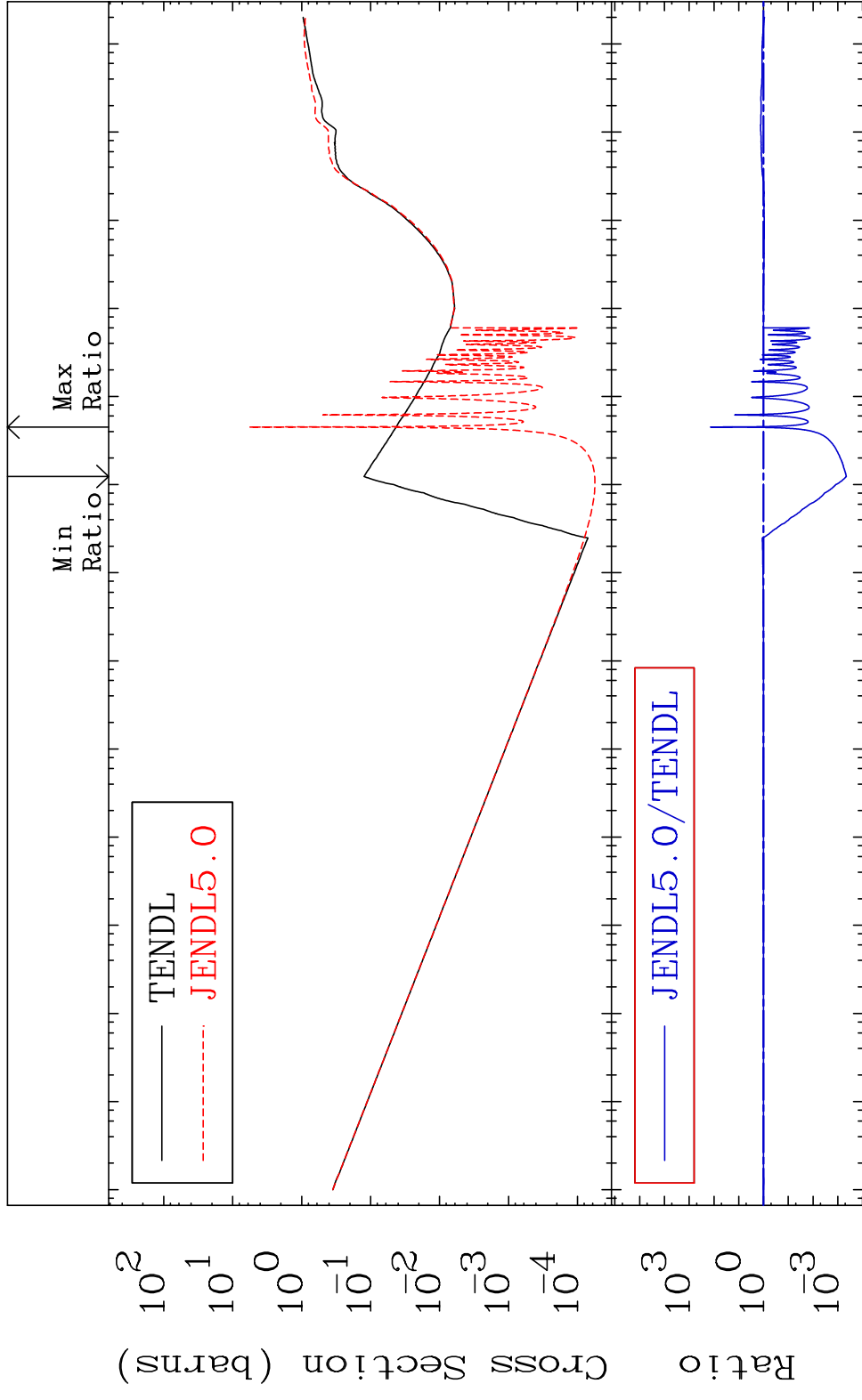
MAT 2028 (n,p) t 20-Ca-41
 Cross Section -100.0 To 33.31 %



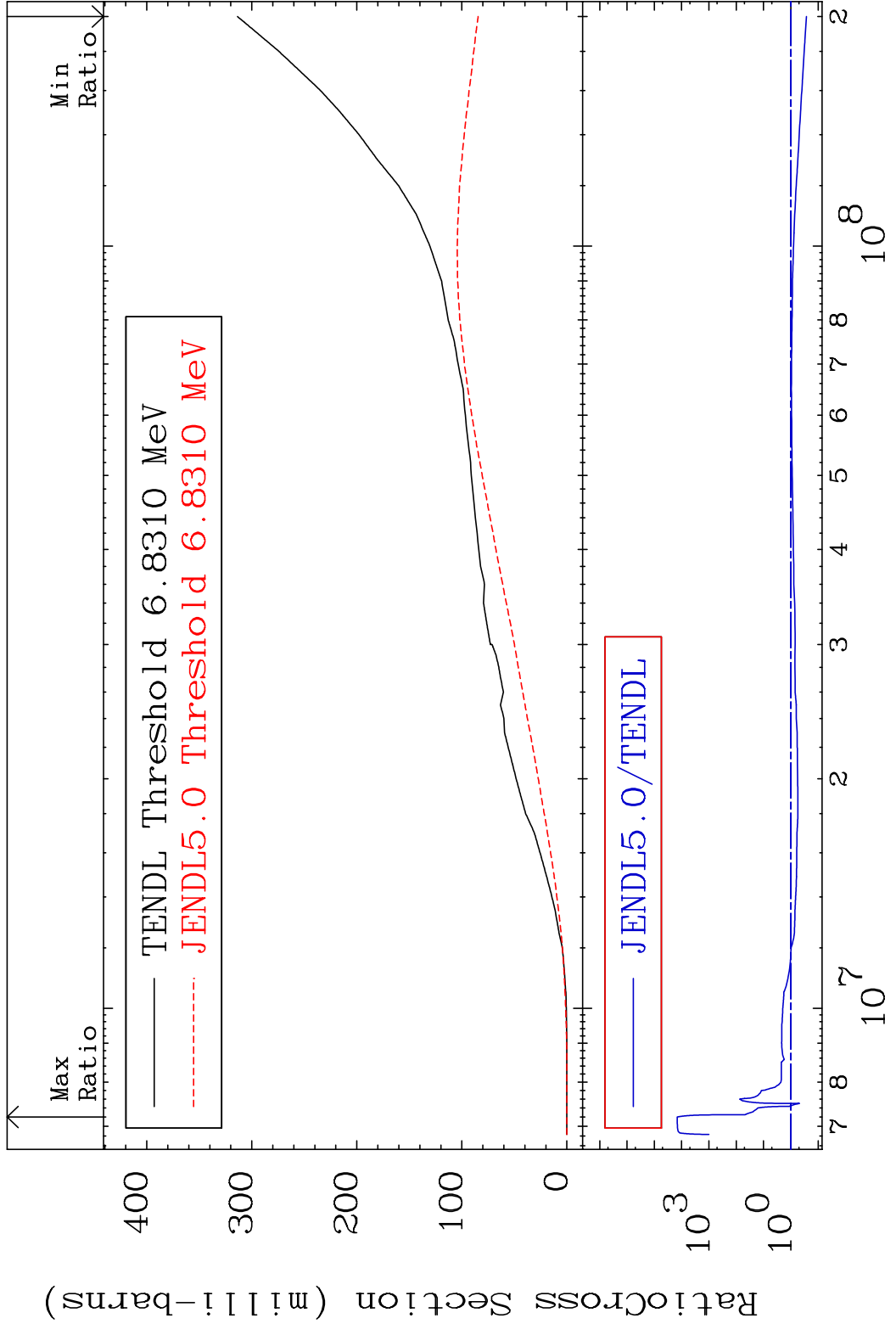
MAT 2028 (n,d) α 20-Ca-41
 Cross Section -100.0 To 2052. %



MAT 2028 Hydrogen Production 20-Ca-41
 Cross Section -99.95 To 9999. %



MAT 2028 Deuterium Production 20-Ca-41
 Cross Section -73.06 To 9999. %

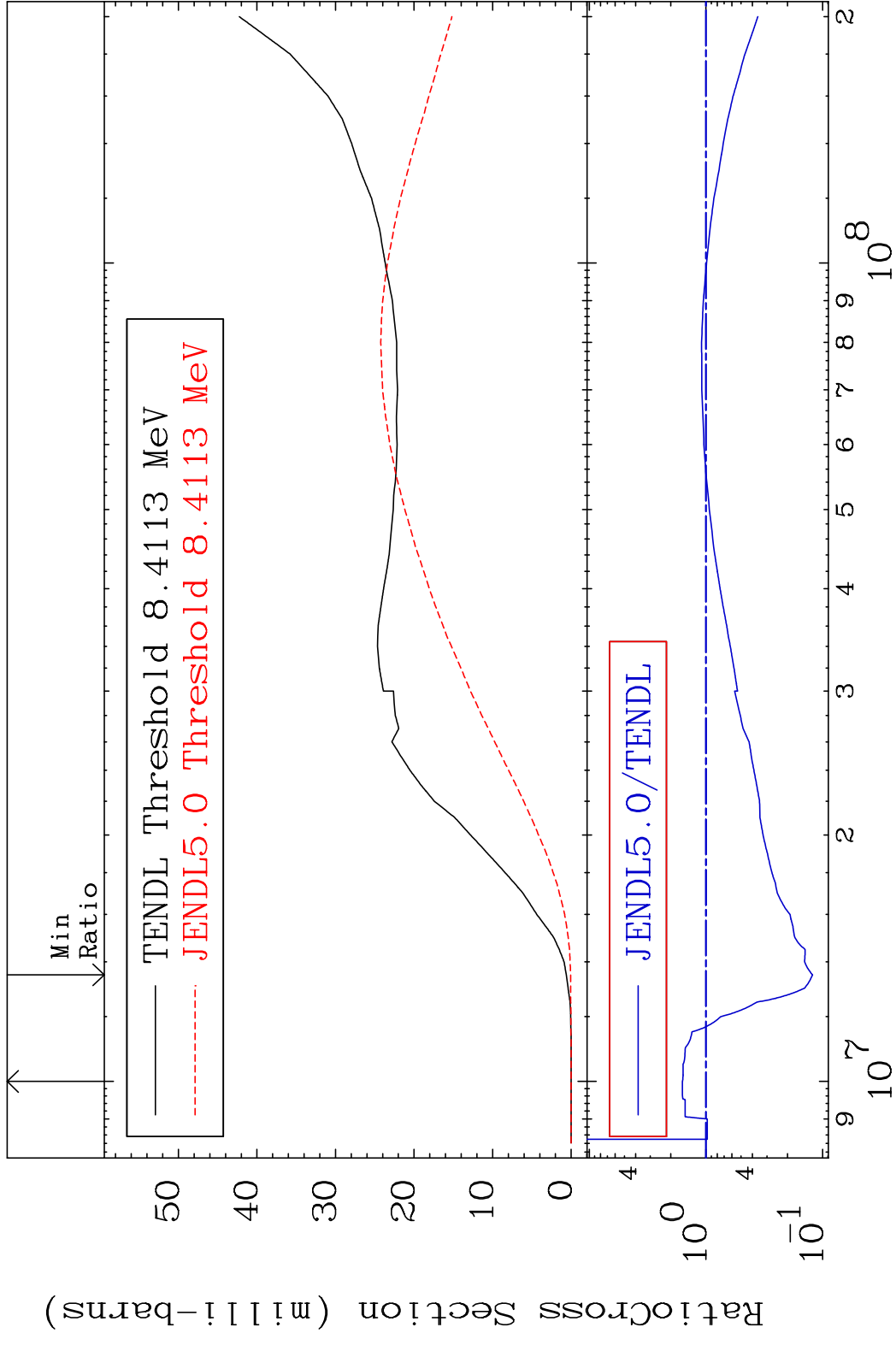


MAT 2028

Tritium Production

20-Ca-41

Cross Section -87.80 To 59.38 %

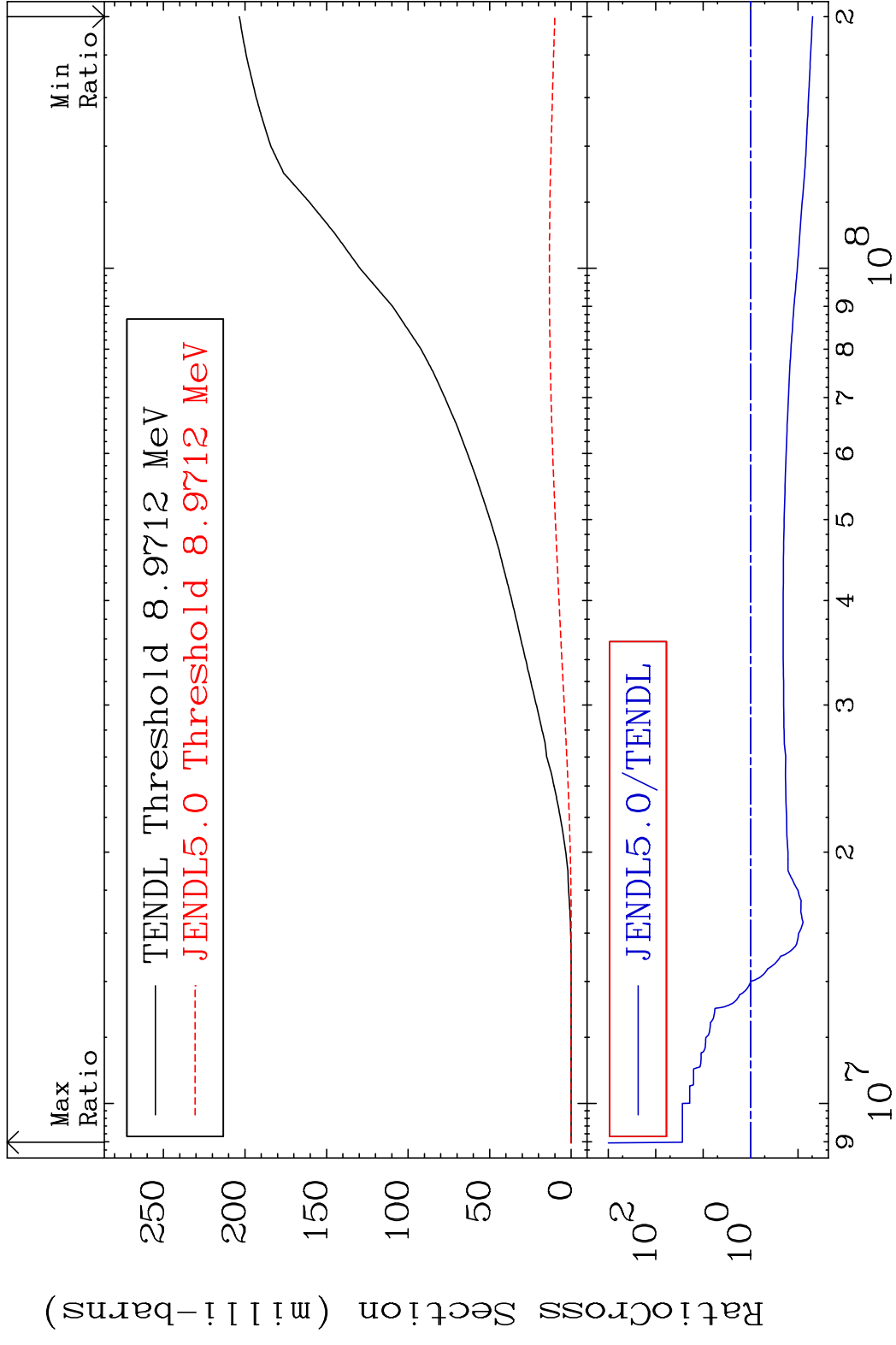


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Incident Energy (eV)

20-Ca-41

MAT 2028 He-3 Production 20-Ca-41
 Cross Section -95.08 To 2647. %

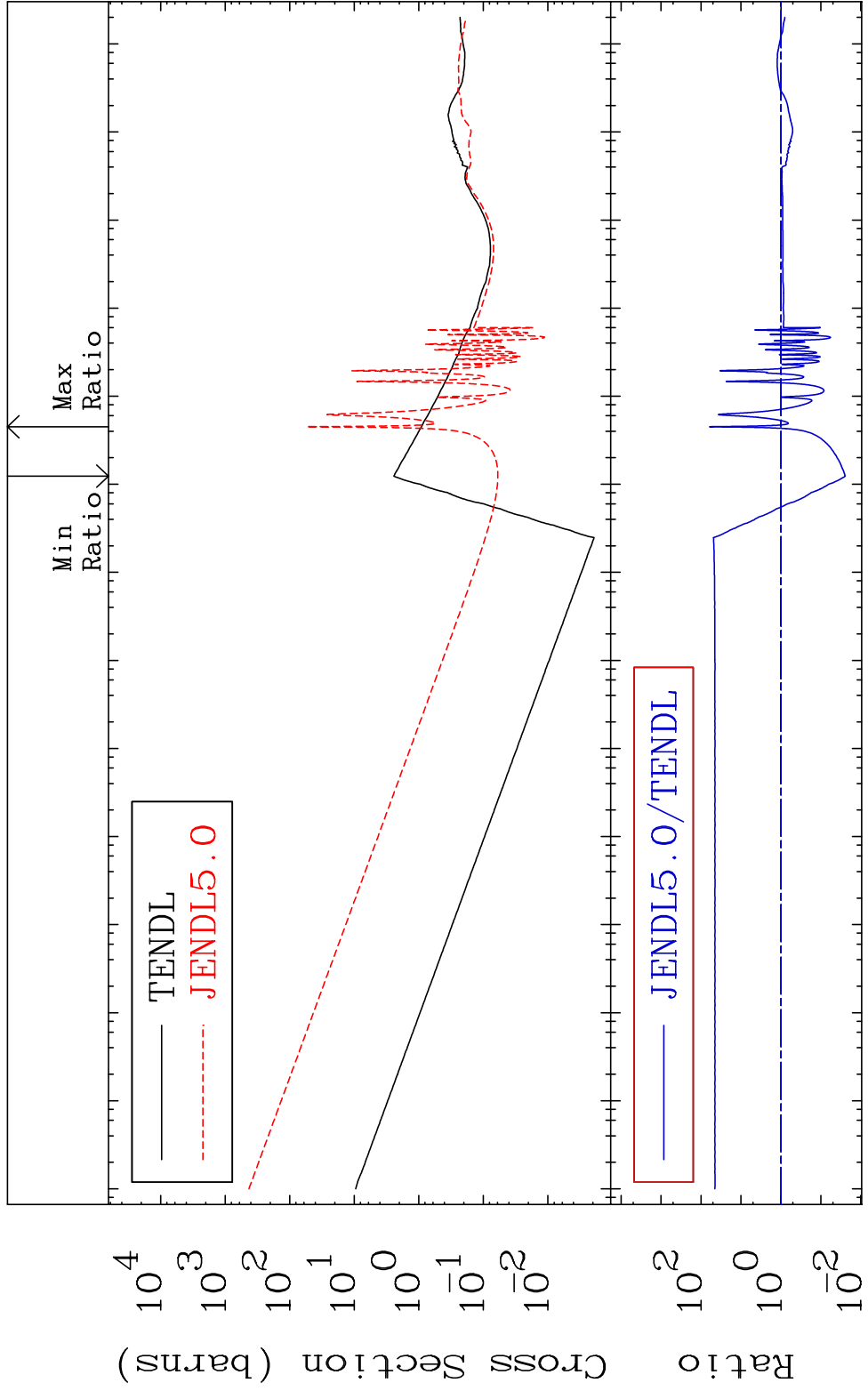


MAT 2028

He-4 Production

20-Ca-41

Cross Section -97.55 To 5920. %

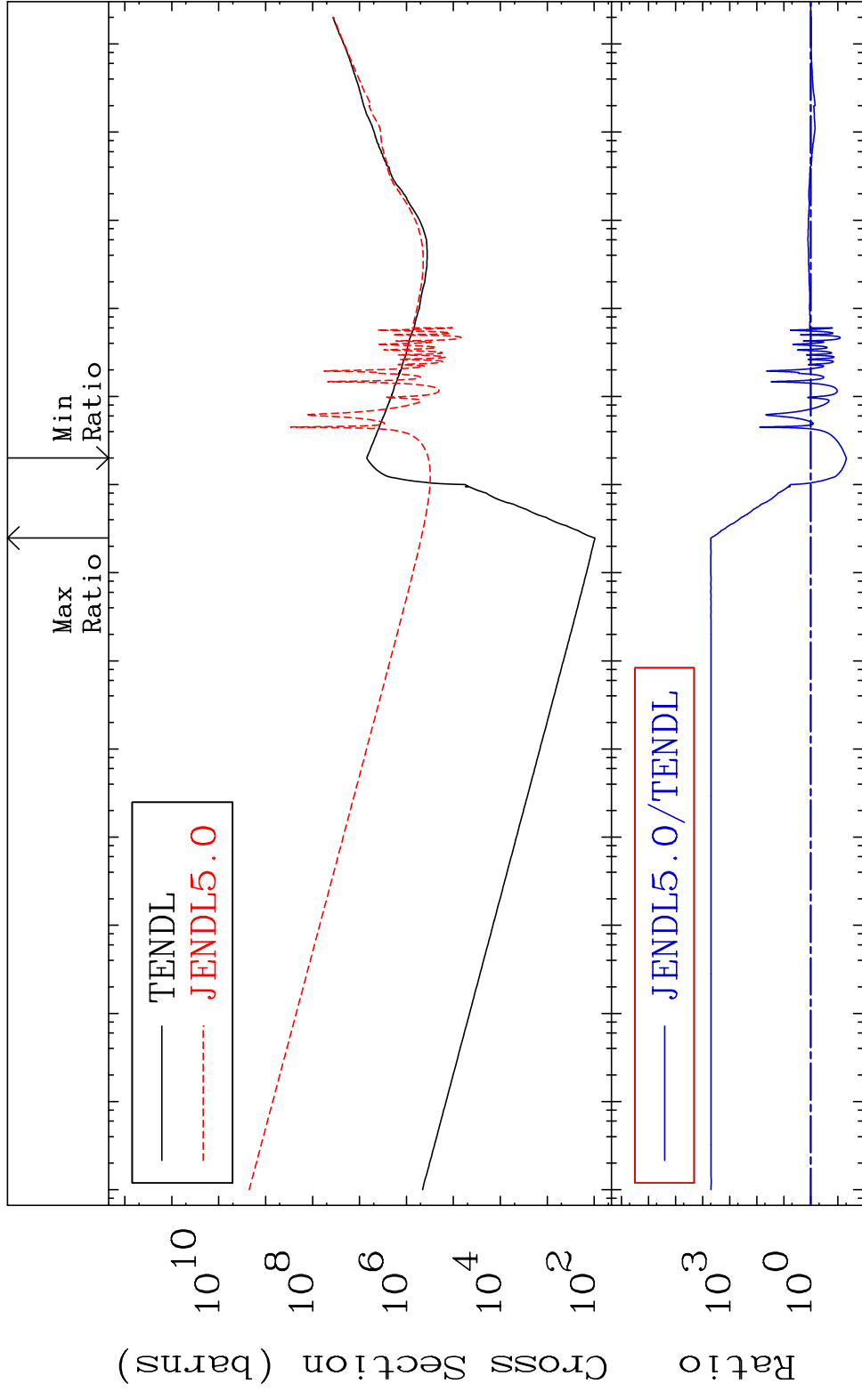


59

Incident Energy (eV)

20-Ca-41

MAT 2028 Kerma total (eV-barns) 20-Ca-41
 Cross Section -95.11 To 9999. %

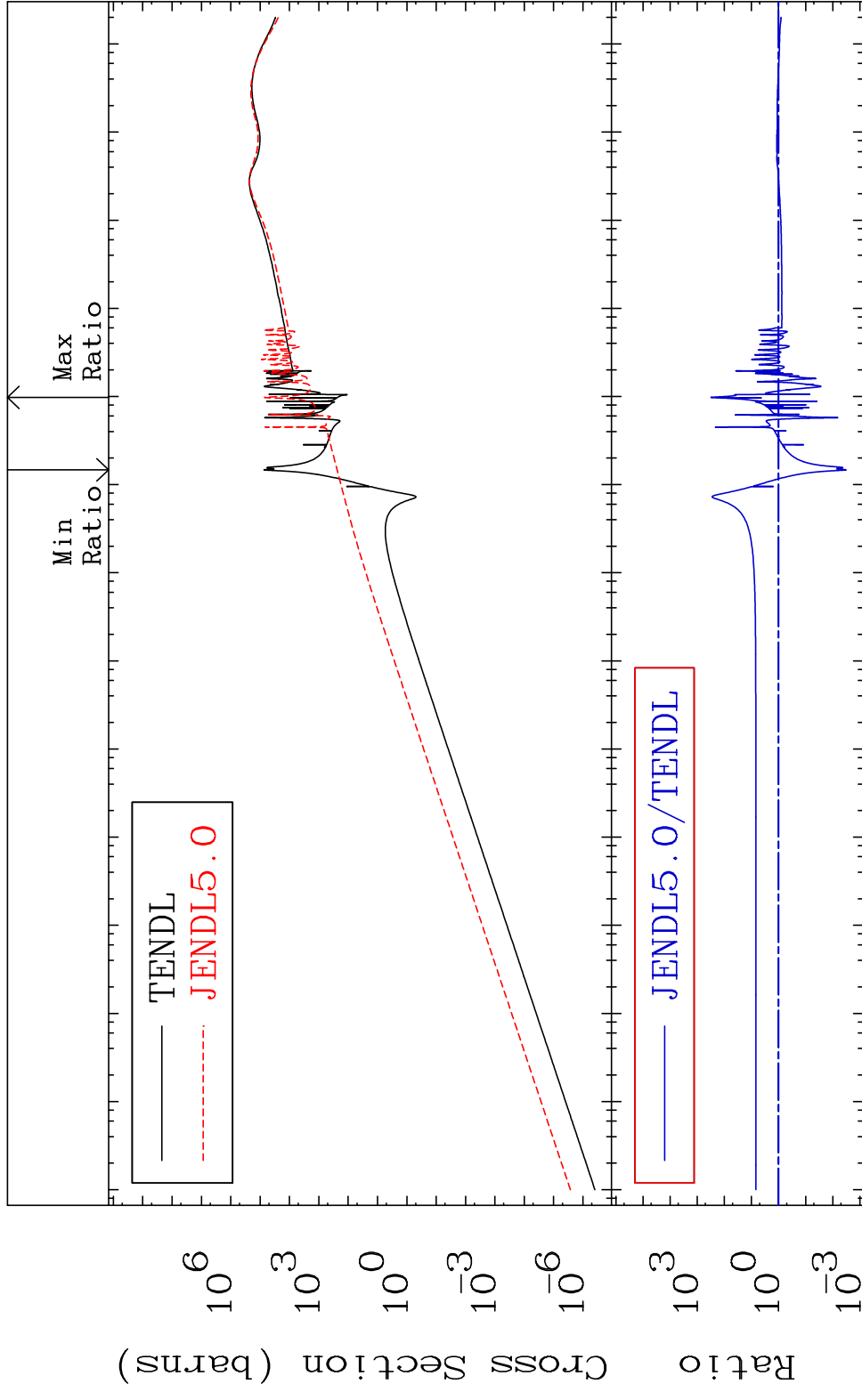


60 Incident Energy (eV) 20-Ca-41

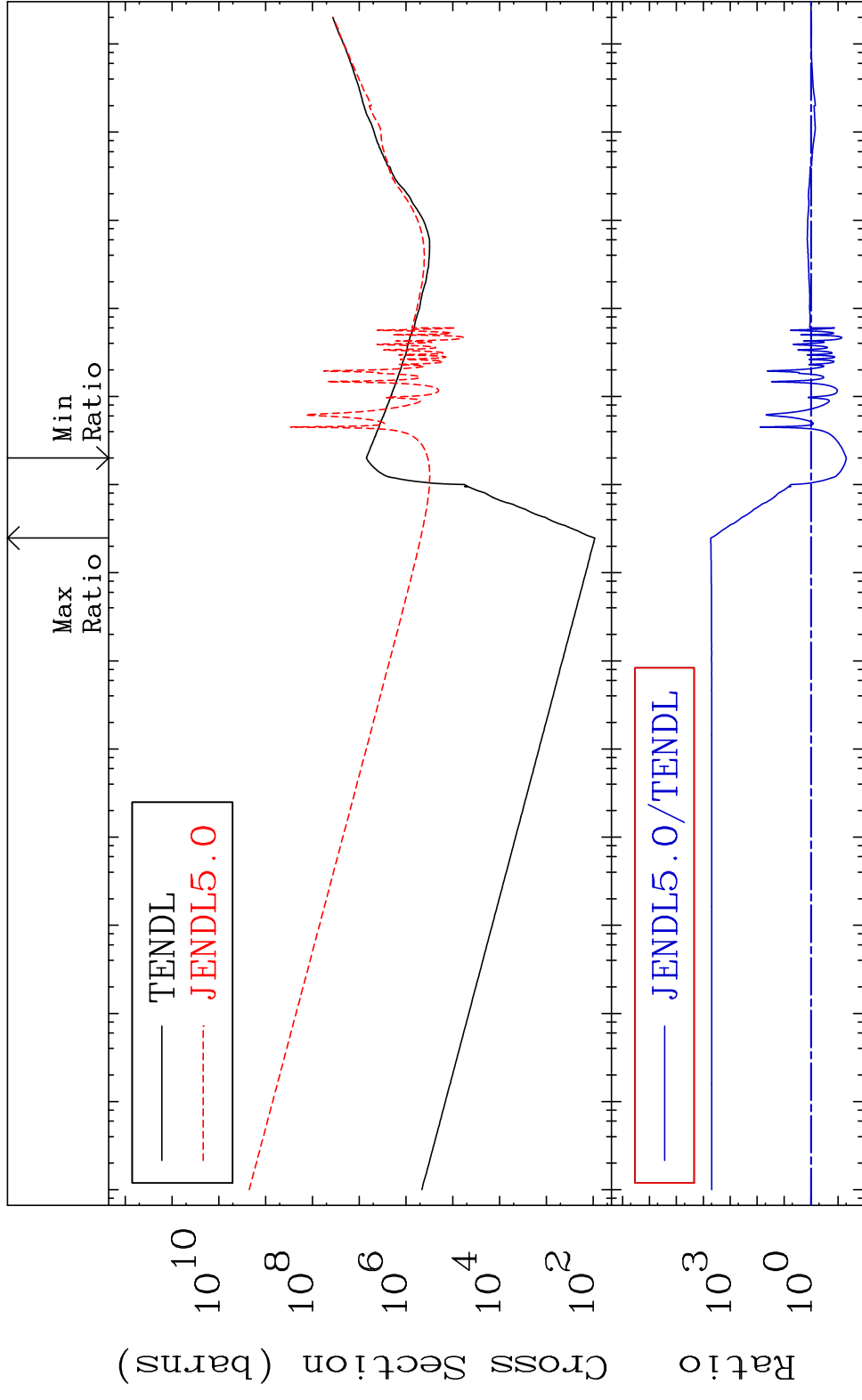
MAT 2028

Kerma elastic
Cross Section

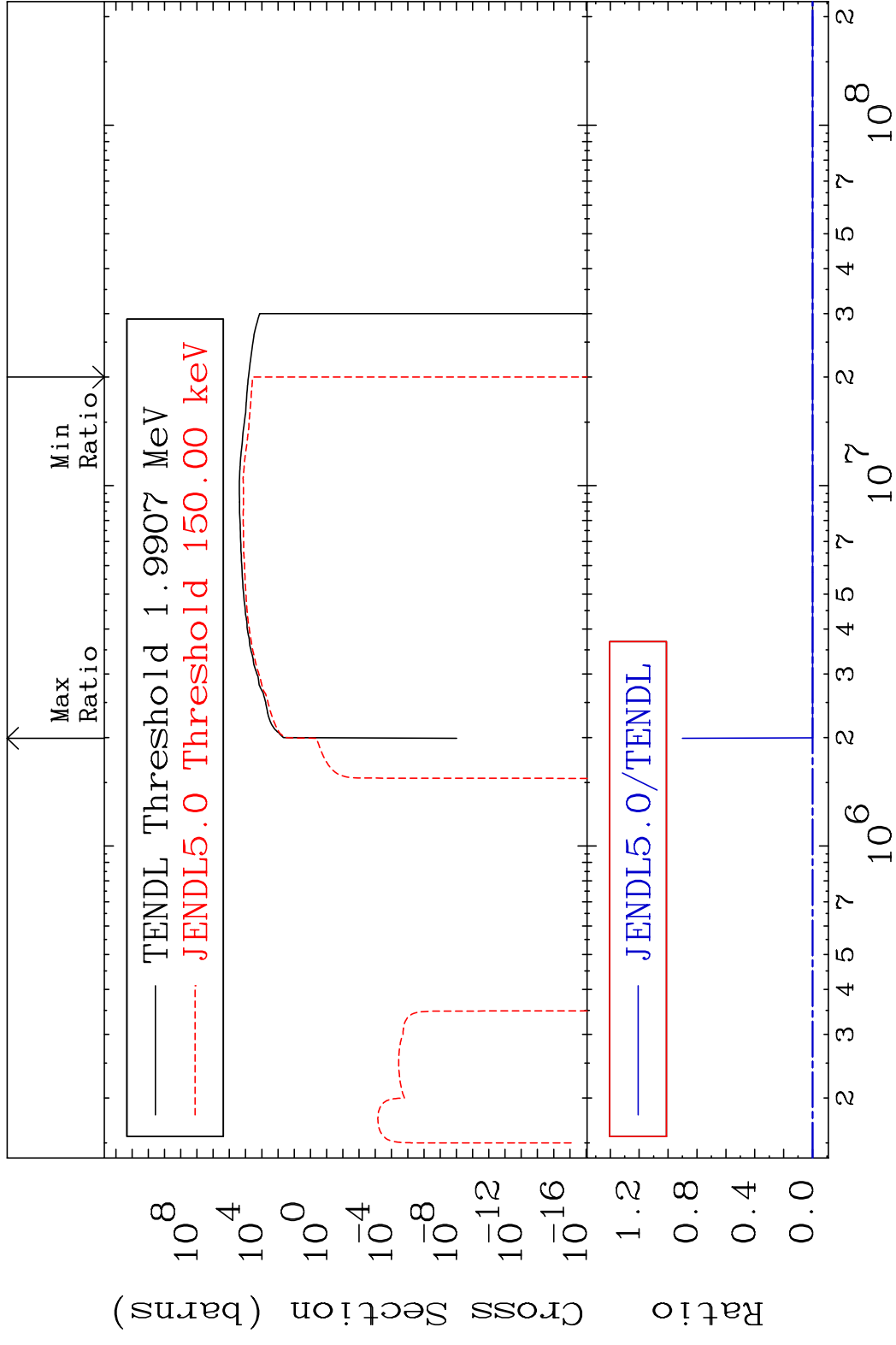
20-Ca-41
-99.68 To 9999. %



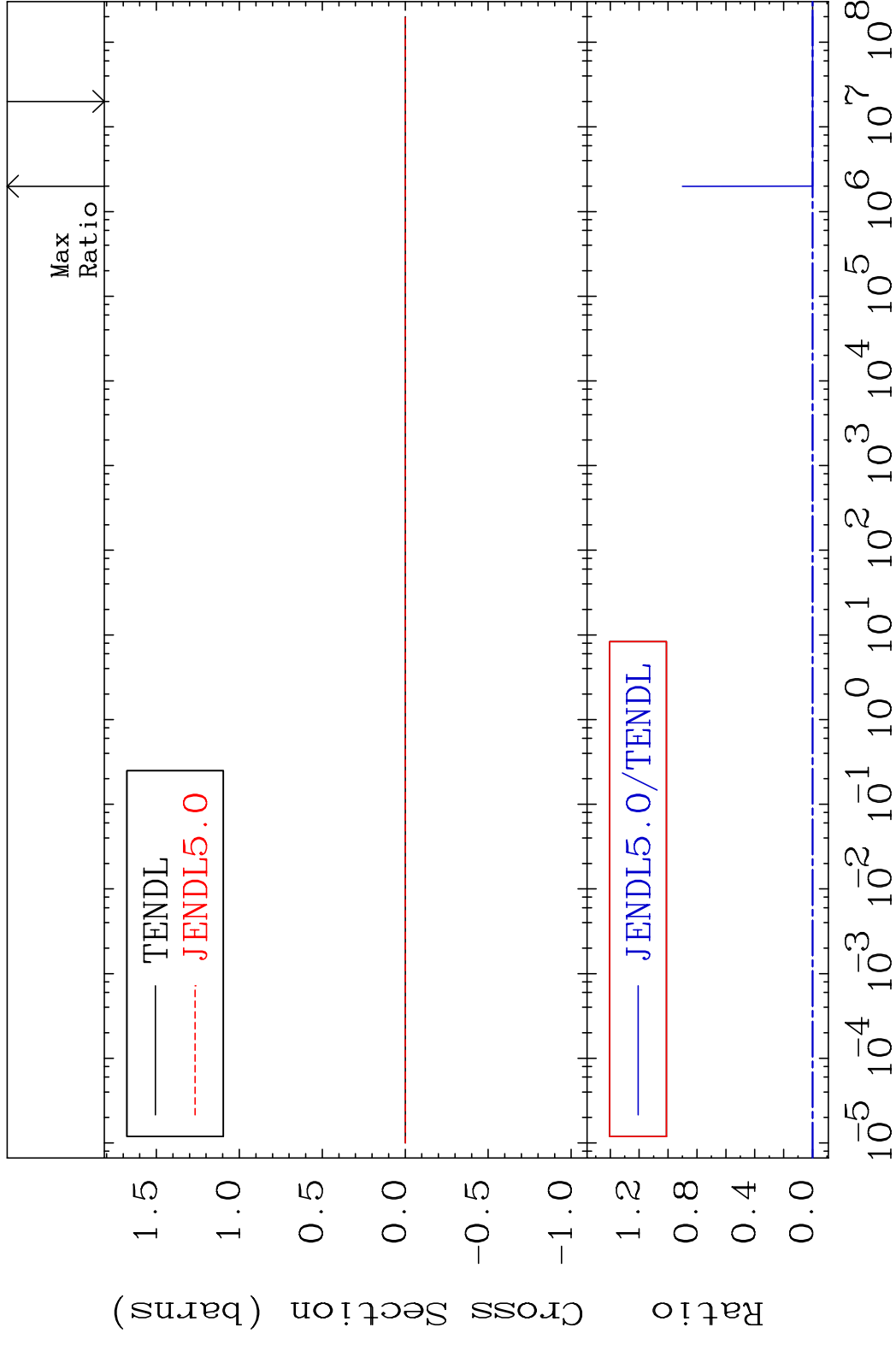
MAT 2028 Kerma non-elastic (all but mt2) 20-Ca-41
 Cross Section -95.11 To 9999. %



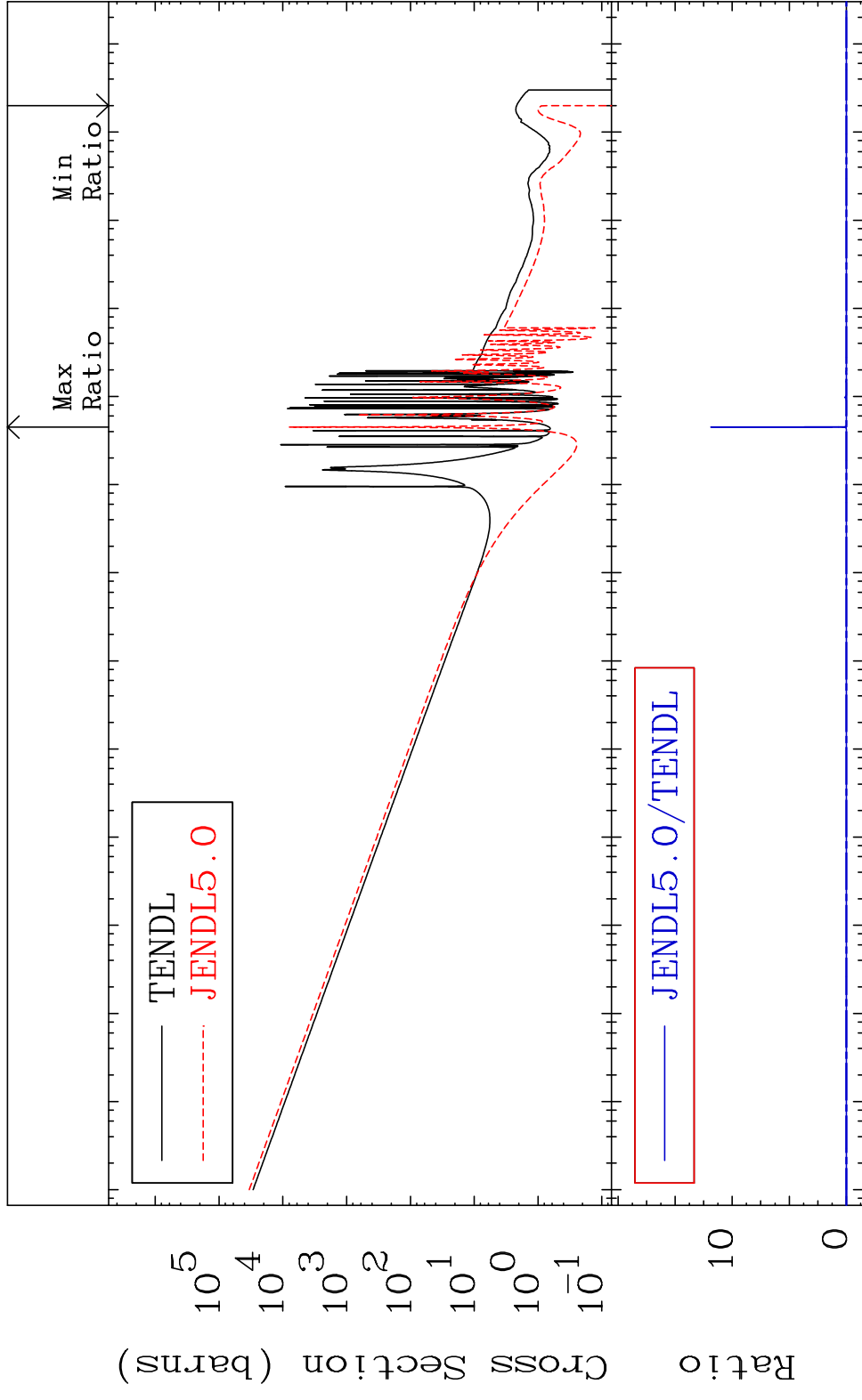
62 Incident Energy (eV) 20-Ca-41



MAT 2028 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-41
 Cross Section -100.0 To 9999. %

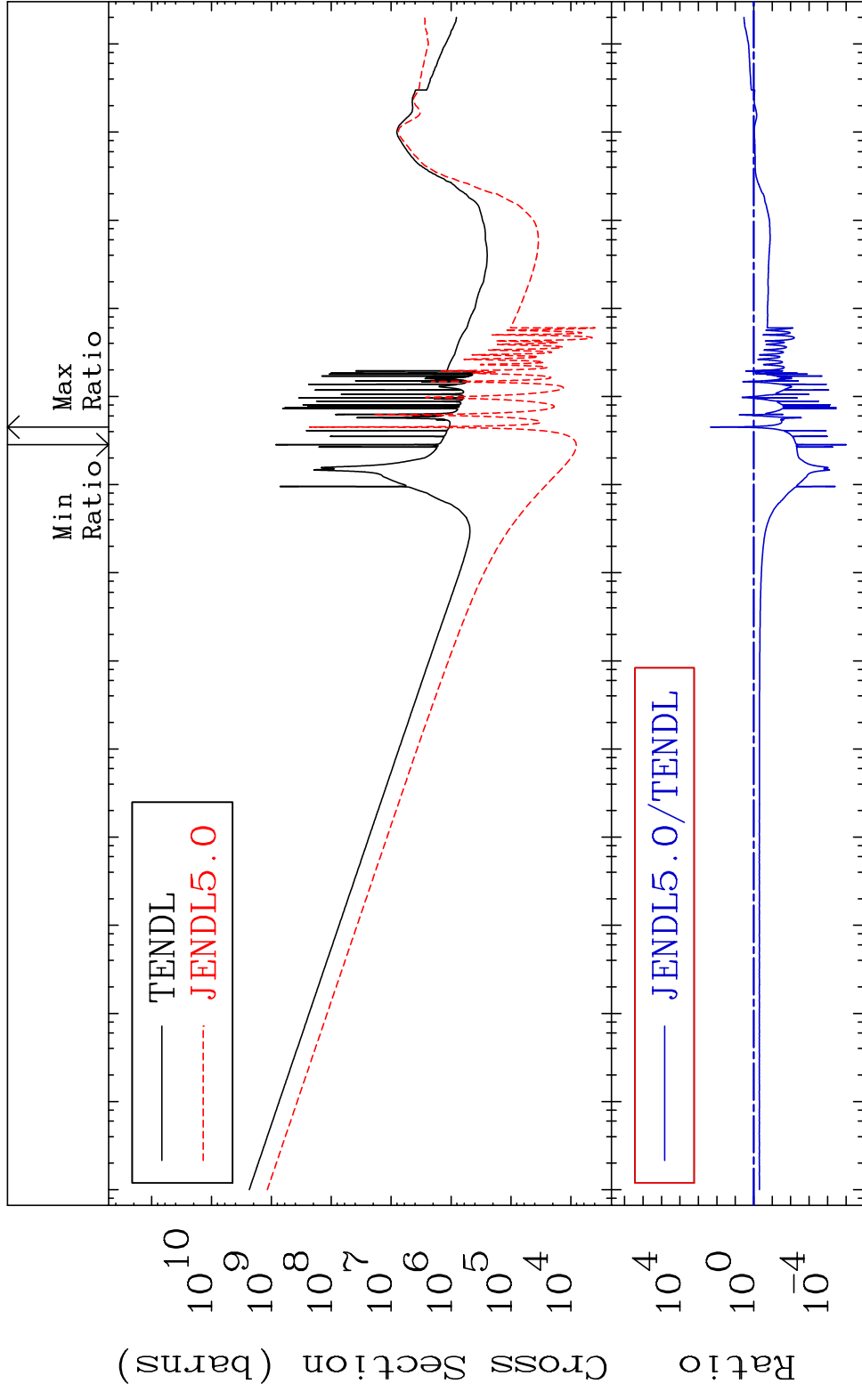


MAT 2028 Kerma capture (mt102) 20-Ca-41
 Cross Section -100.0 To 9999. %



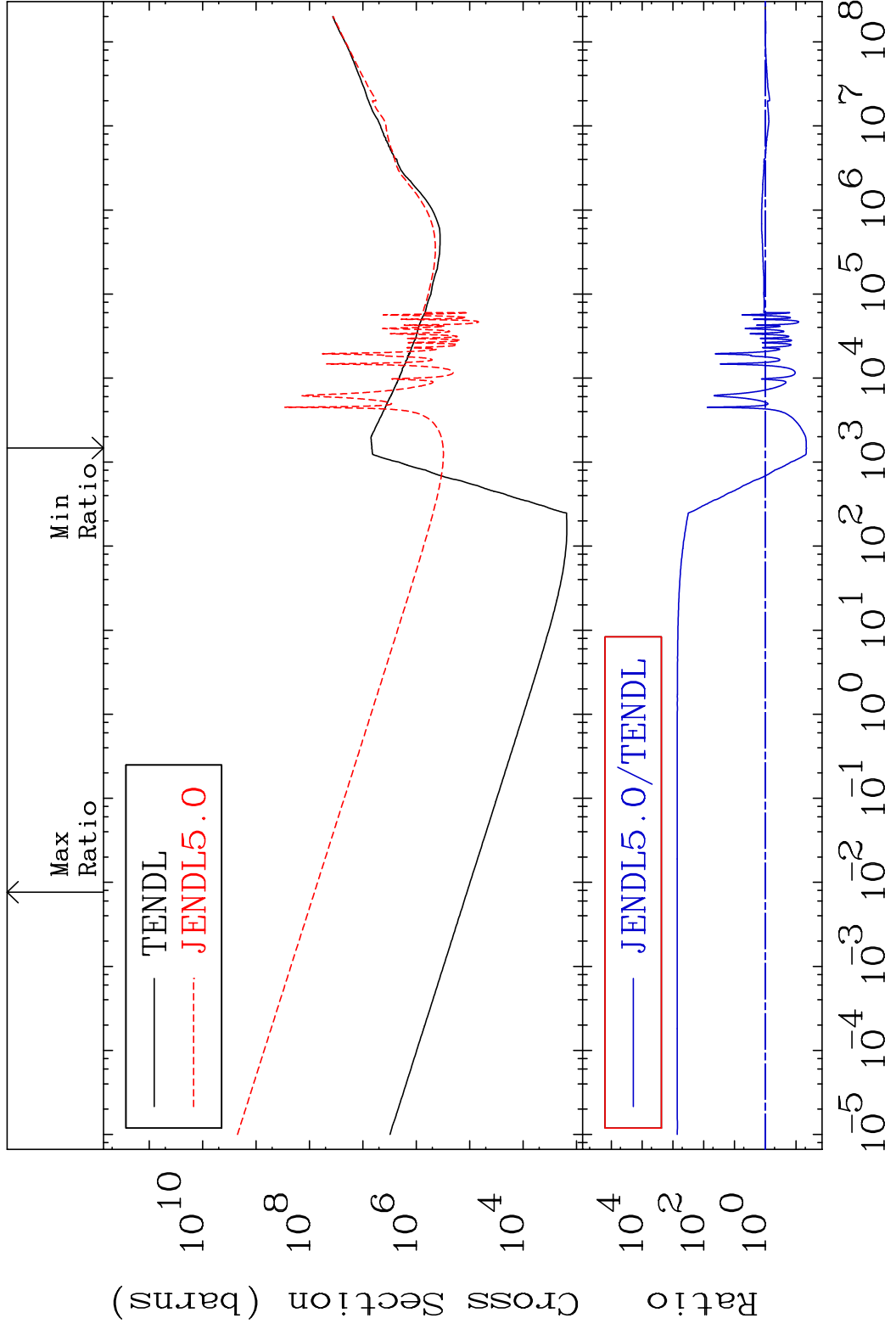
65 Incident Energy (eV) 20-Ca-41

MAT 2028 Total photon (eV-barns) 20-Ca-41
 Cross Section -100.0 To 9999. %

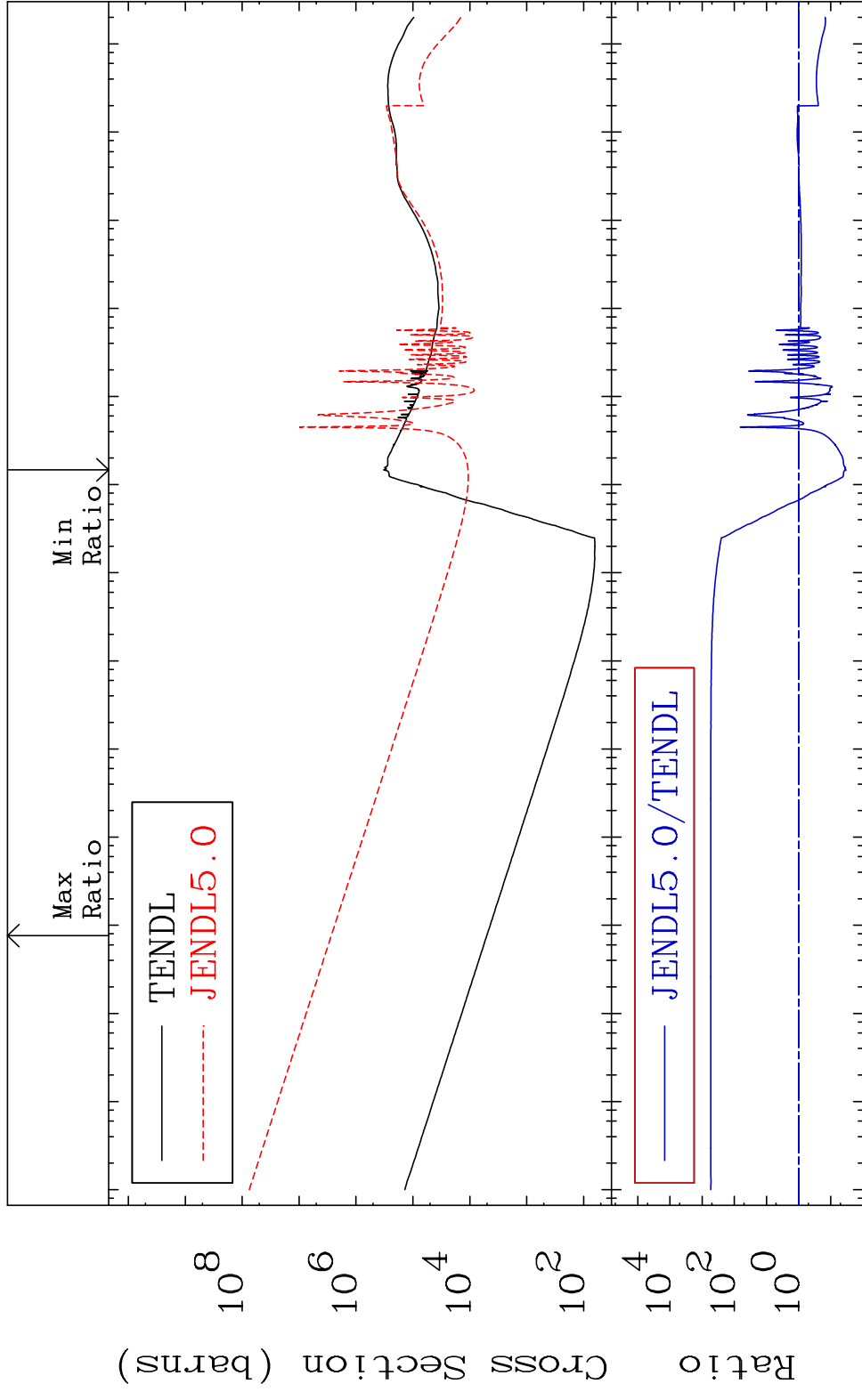


66 Incident Energy (eV) 20-Ca-41

MAT 2028 Total kinematic kerma (high limit) 20-Ca-41
 Cross Section -95.40 To 9999. %



MAT 2028 Dpa total (eV-barns) 20-Ca-41
 Cross Section -96.71 To 9999. %



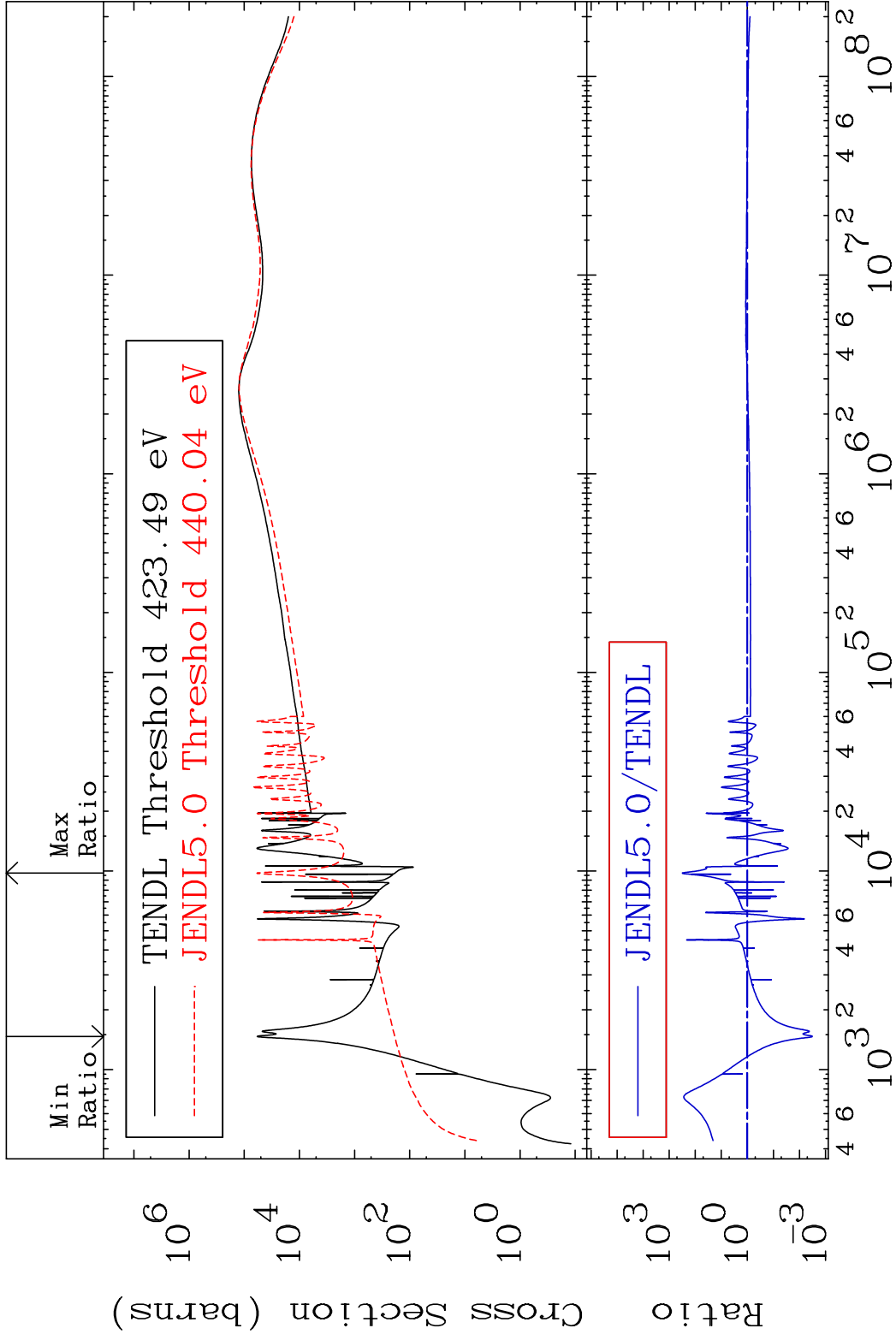
68 Incident Energy (eV) 20-Ca-41

MAT 2028

Dpa elastic (mt2)

20-Ca-41

Cross Section -99.68 To 9999. %

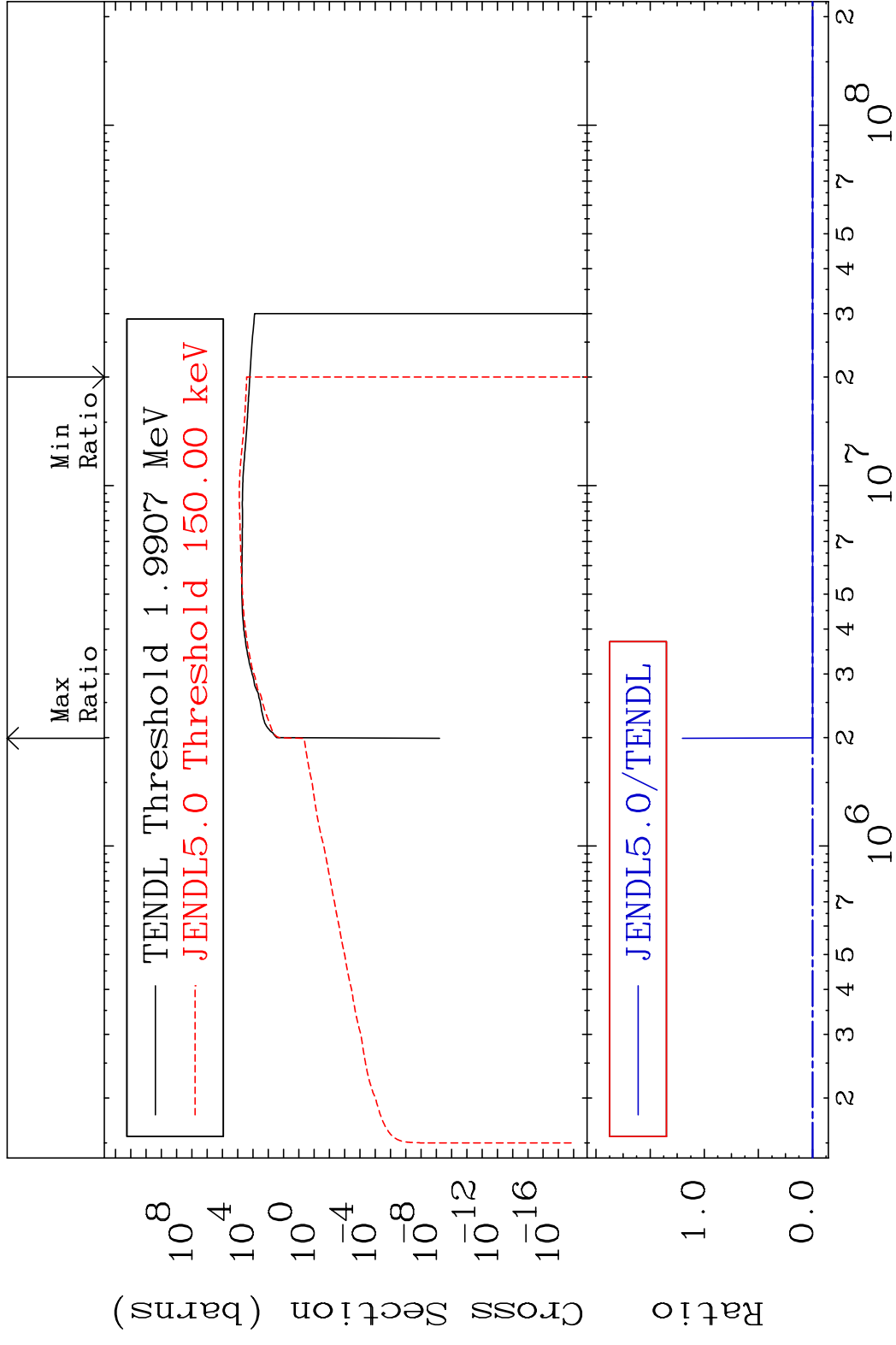


69

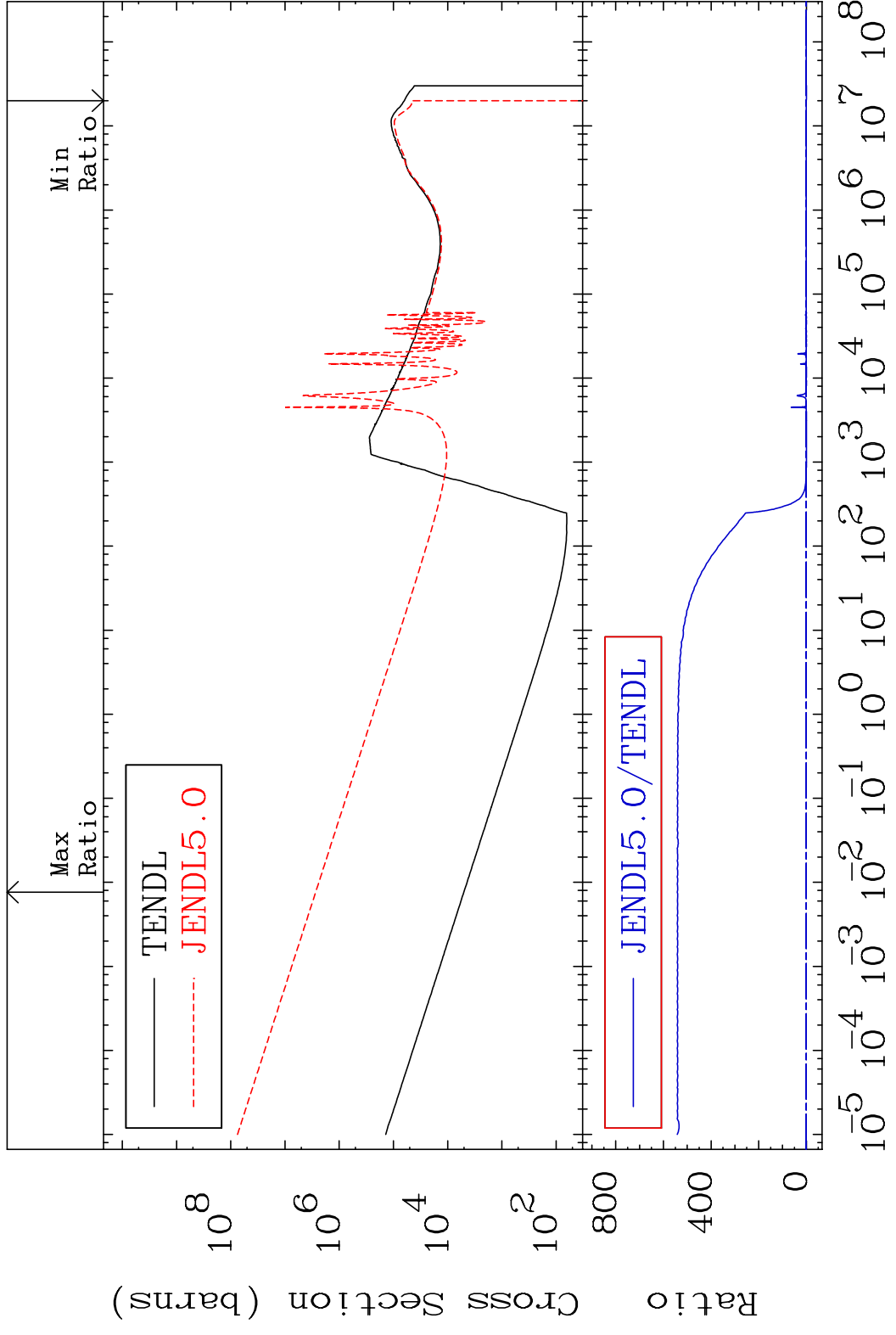
Incident Energy (eV)

20-Ca-41

MAT 2028 Dpa inelastic (mt51-91) 20-Ca-41
 Cross Section -100.0 To 9999. %

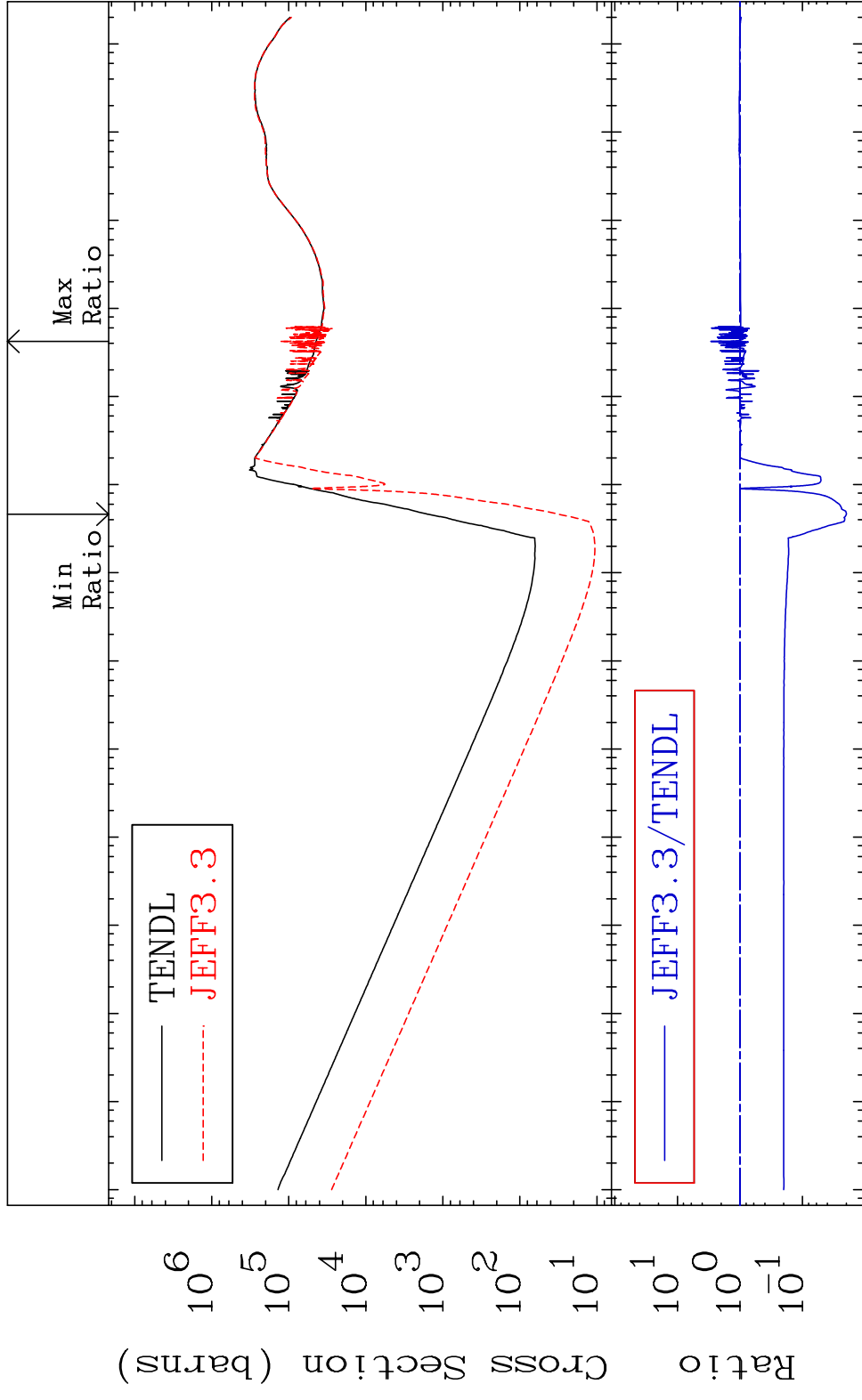


MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41
 Cross Section -100.0 To 9999. %



71 Incident Energy (eV) 20-Ca-41

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



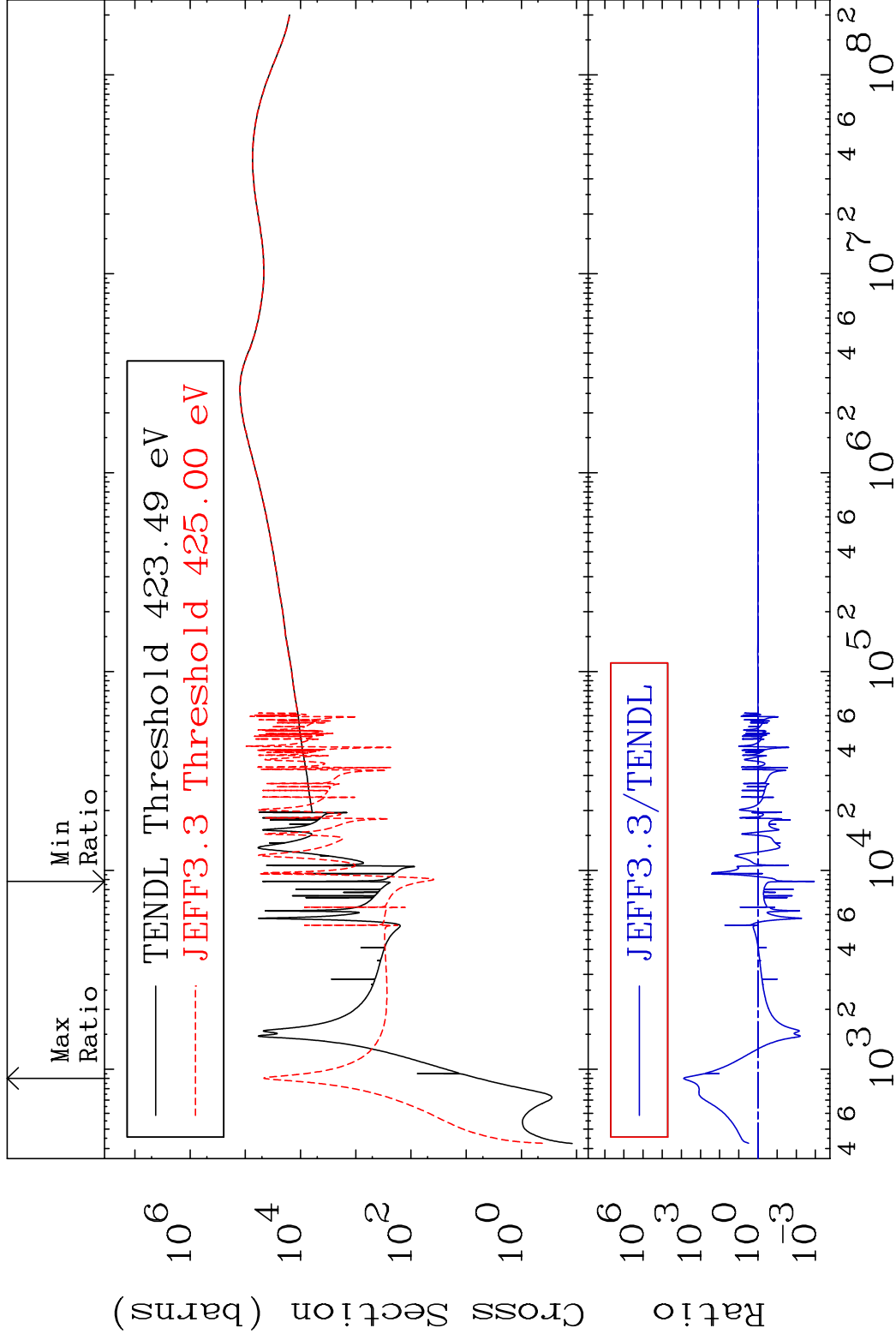
72 Incident Energy (eV) 20-Ca-41

MAT 2028

Dpa elastic (mt2)

20-Ca-41

Cross Section -99.88 To 9999. %

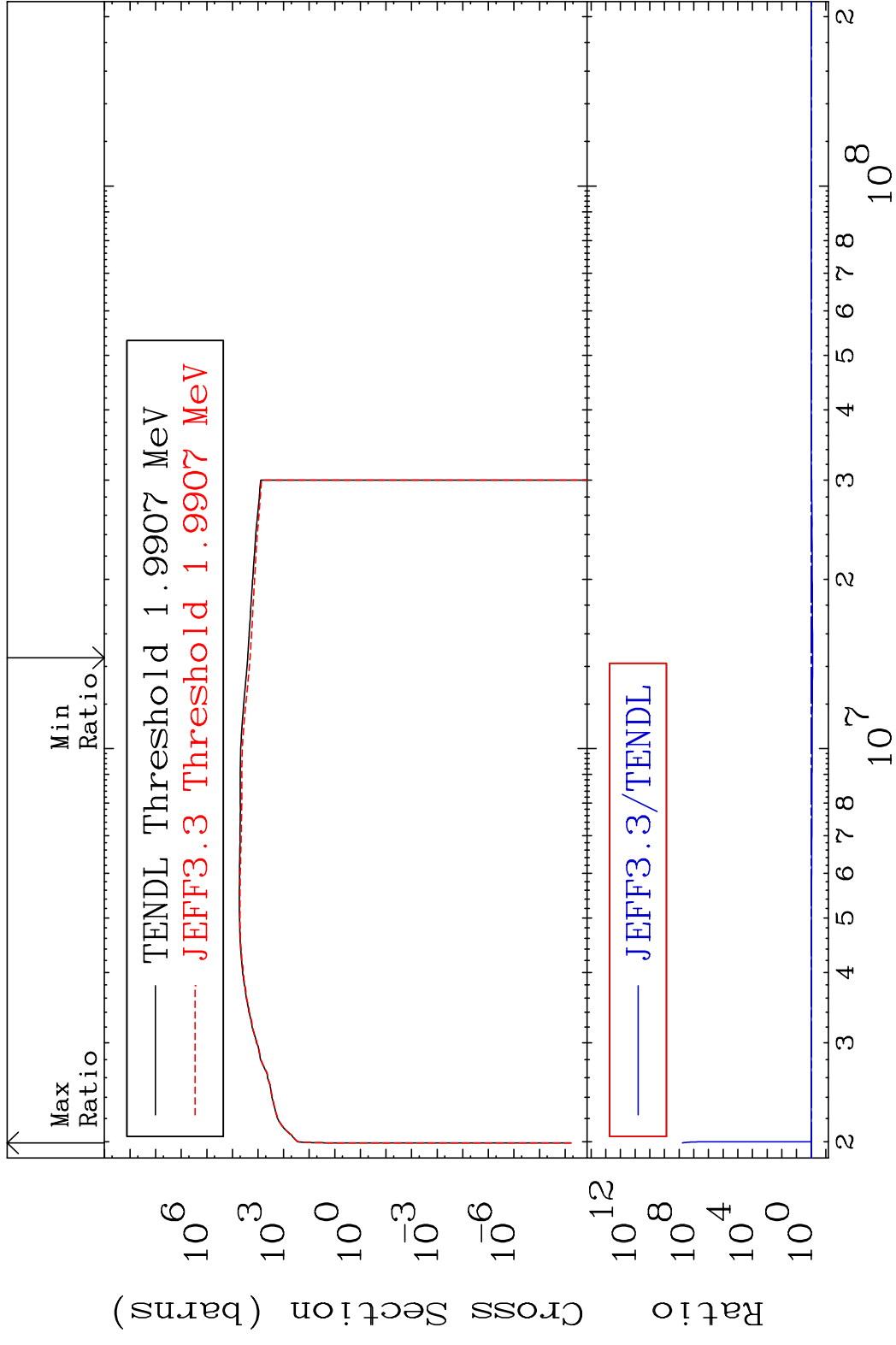


73

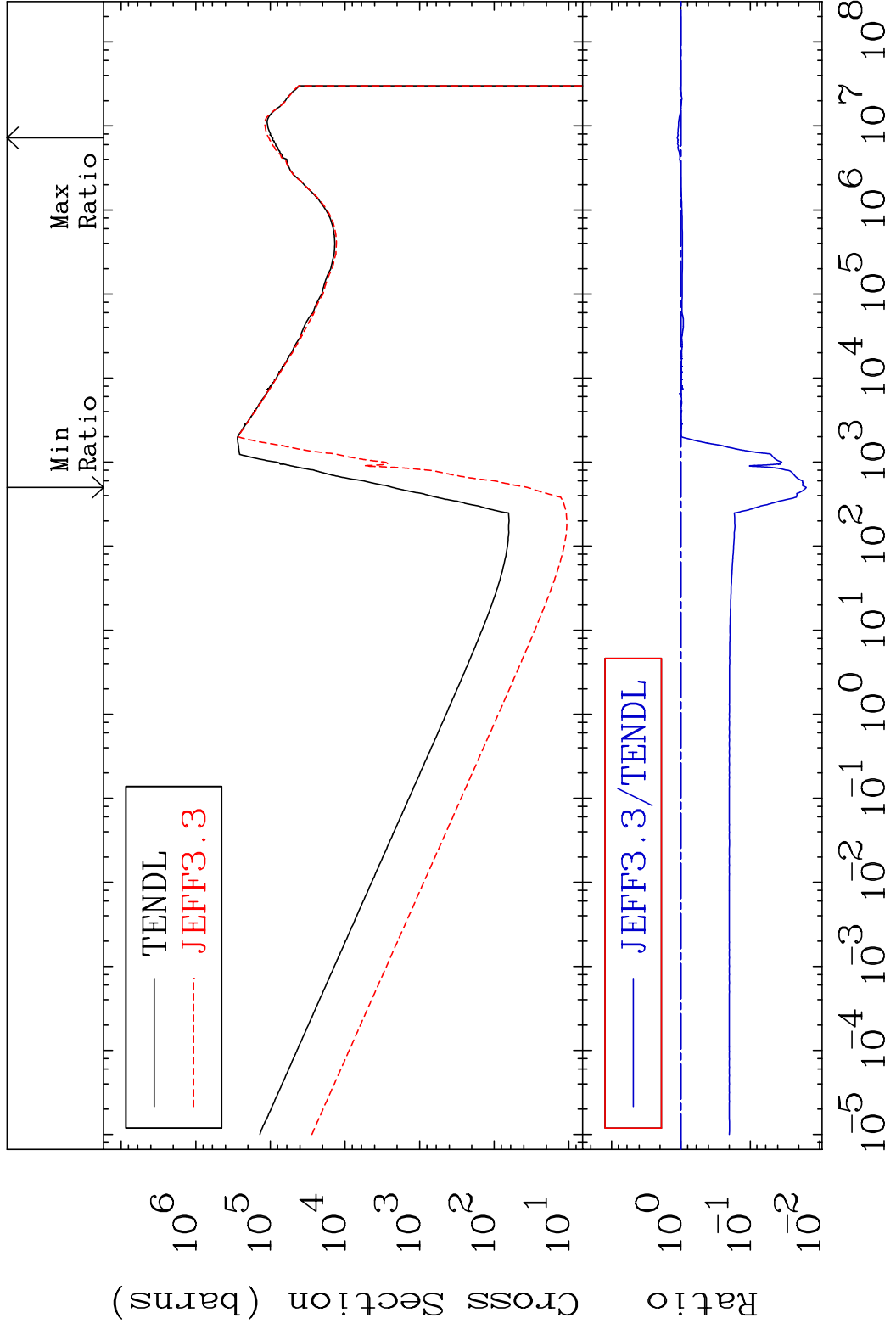
Incident Energy (eV)

20-Ca-41

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

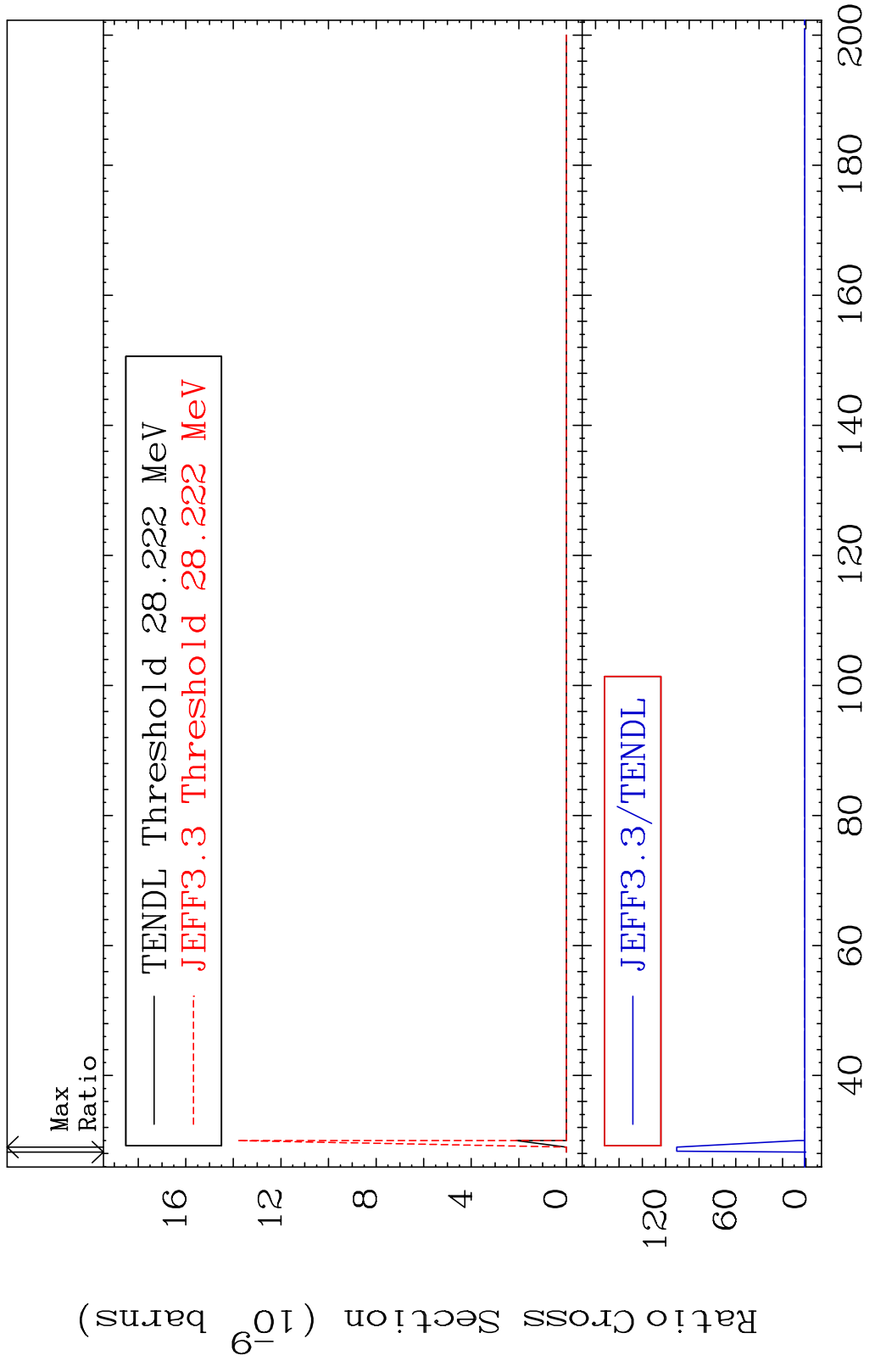


MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41
Cross Section -98.45 To 13.25 %

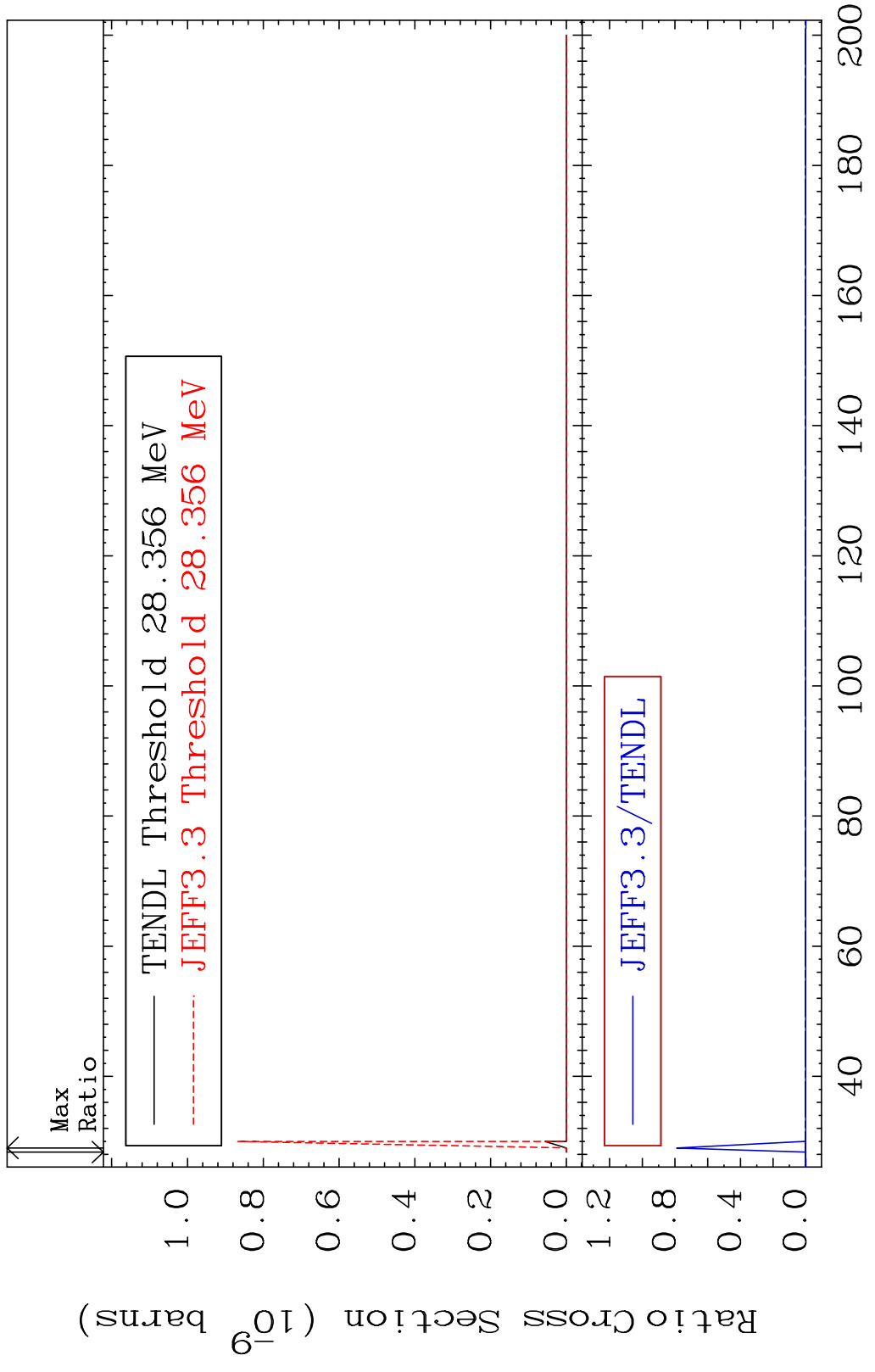


75 Incident Energy (eV) 20-Ca-41

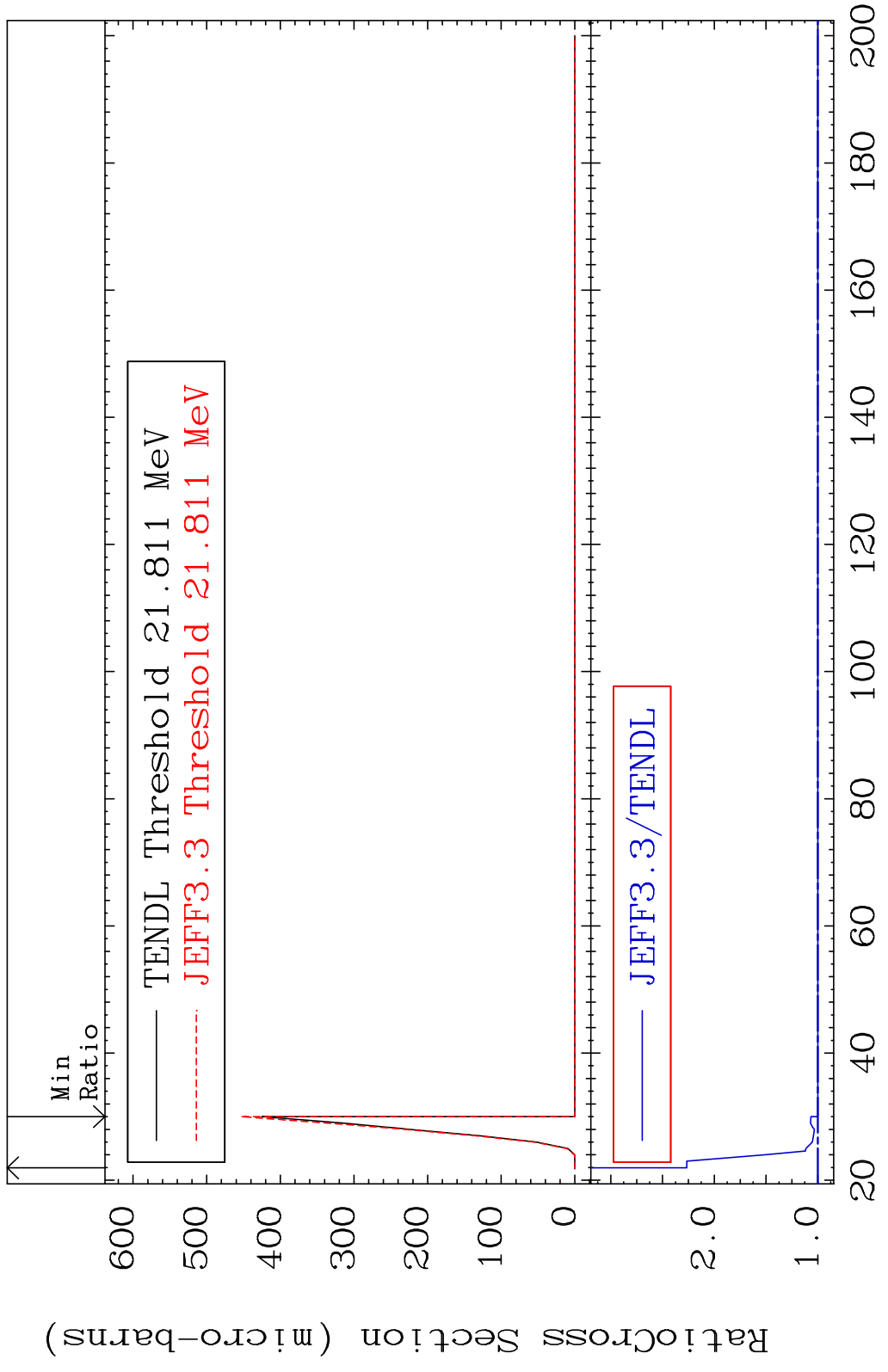
MAT 2028 (n,2n) d:19-K -38g 20-Ca-41
 Radionuclide Production Cross Section Ratio 9999. %



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 %

