

Program Complot
(Version 2021-1)

by

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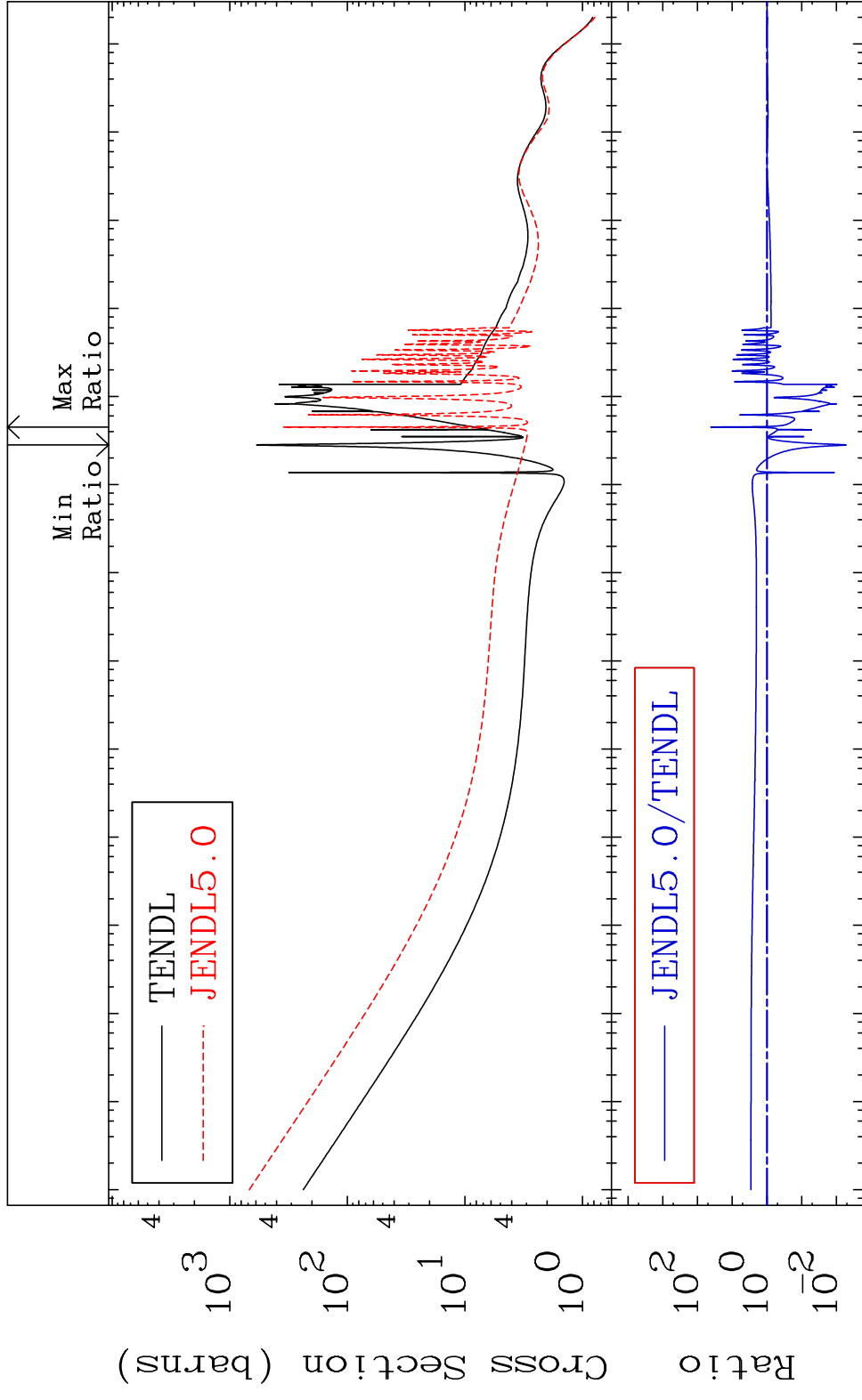
Press Mouse Button to Start

MAT 2028

Total

20-Ca-41

Cross Section -99.48 To 4053. %



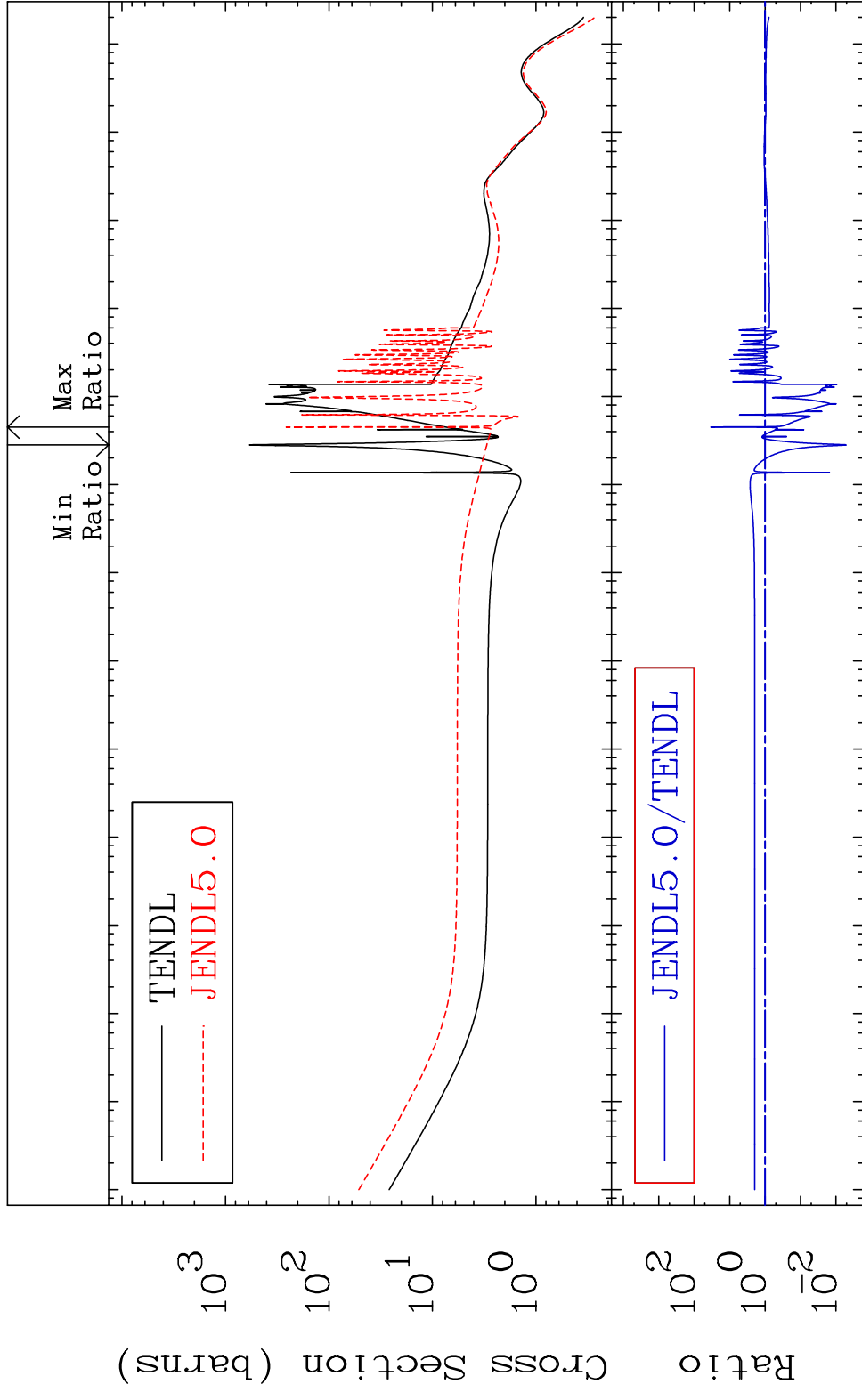
1

Incident Energy (eV)

20-Ca-41

MAT 2028

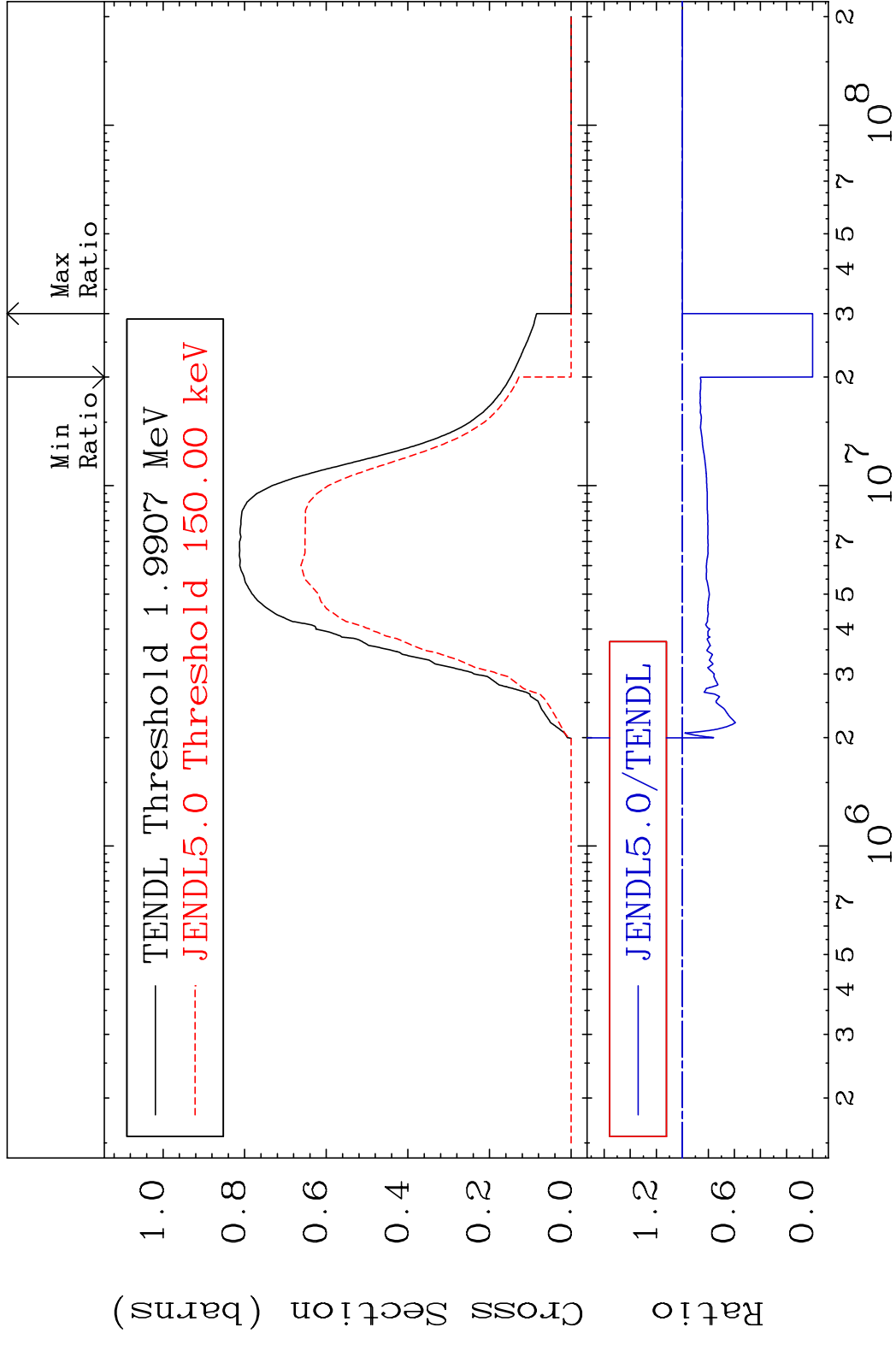
Elastic Cross Section -99.49 To 3325. %
20-Ca-41



2

Incident Energy (eV)

20-Ca-41

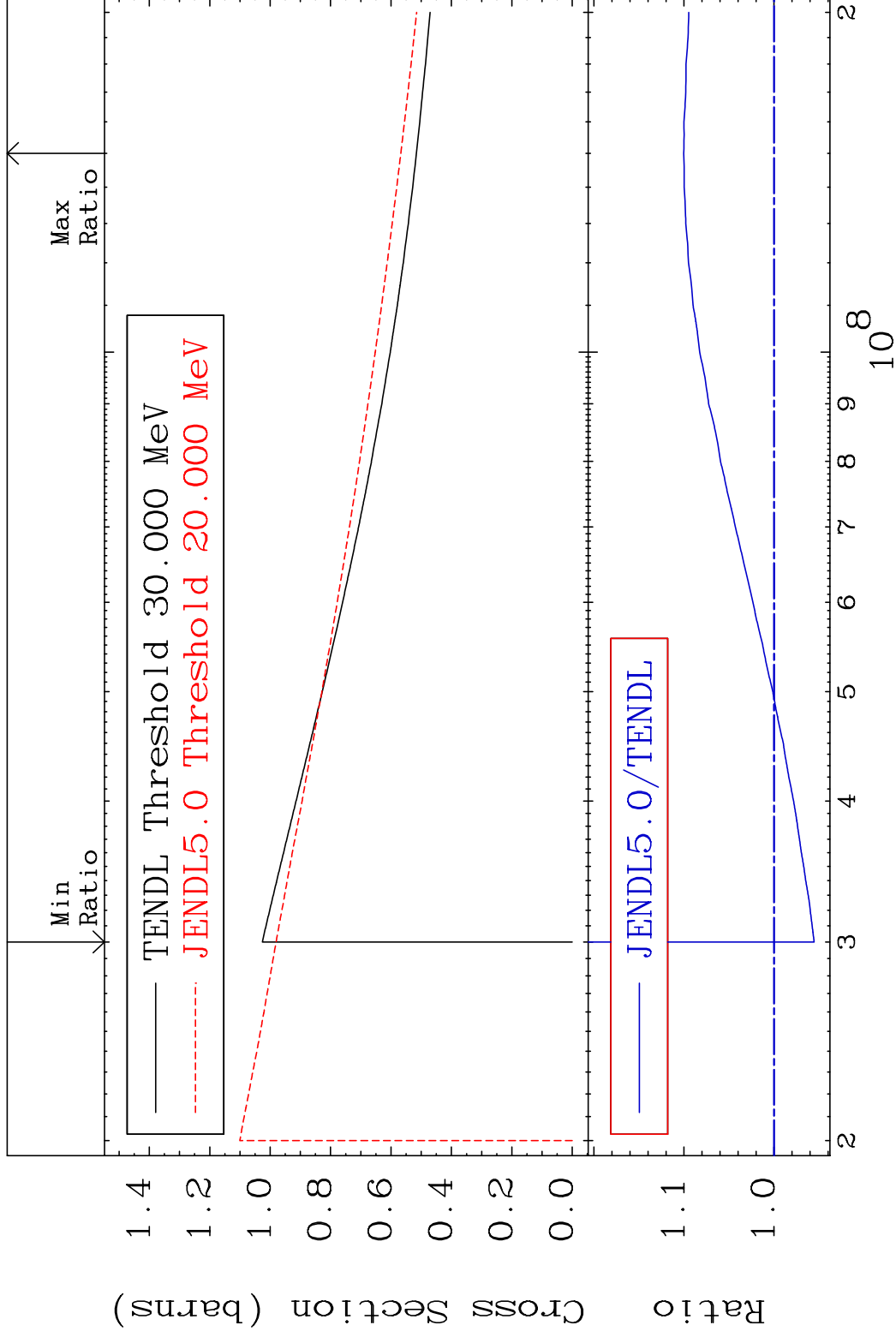


MAT 2028

(n, remainder)

20-Ca-41

Cross Section -4.454 To 10.04 %

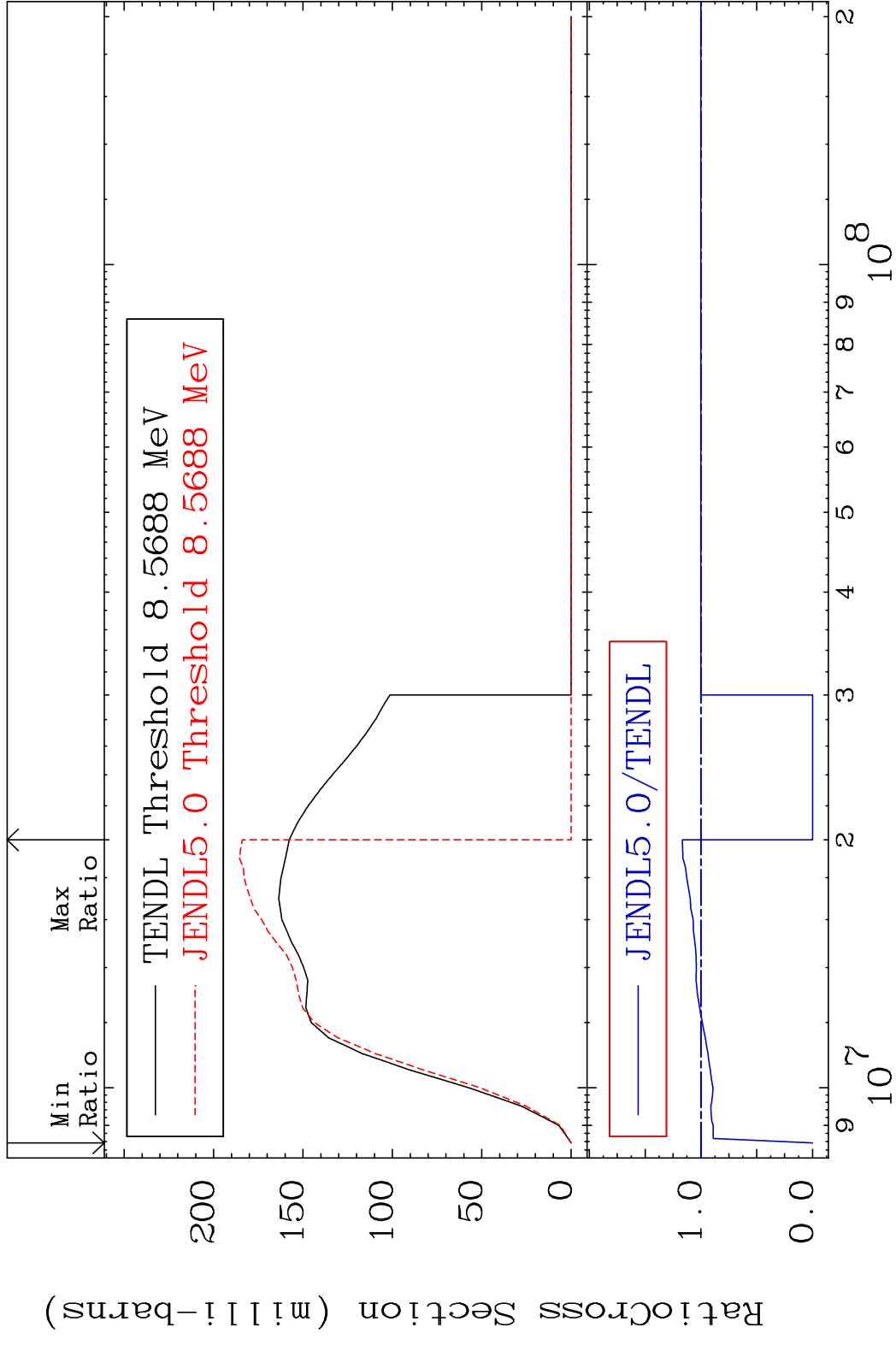


4

Incident Energy (eV)

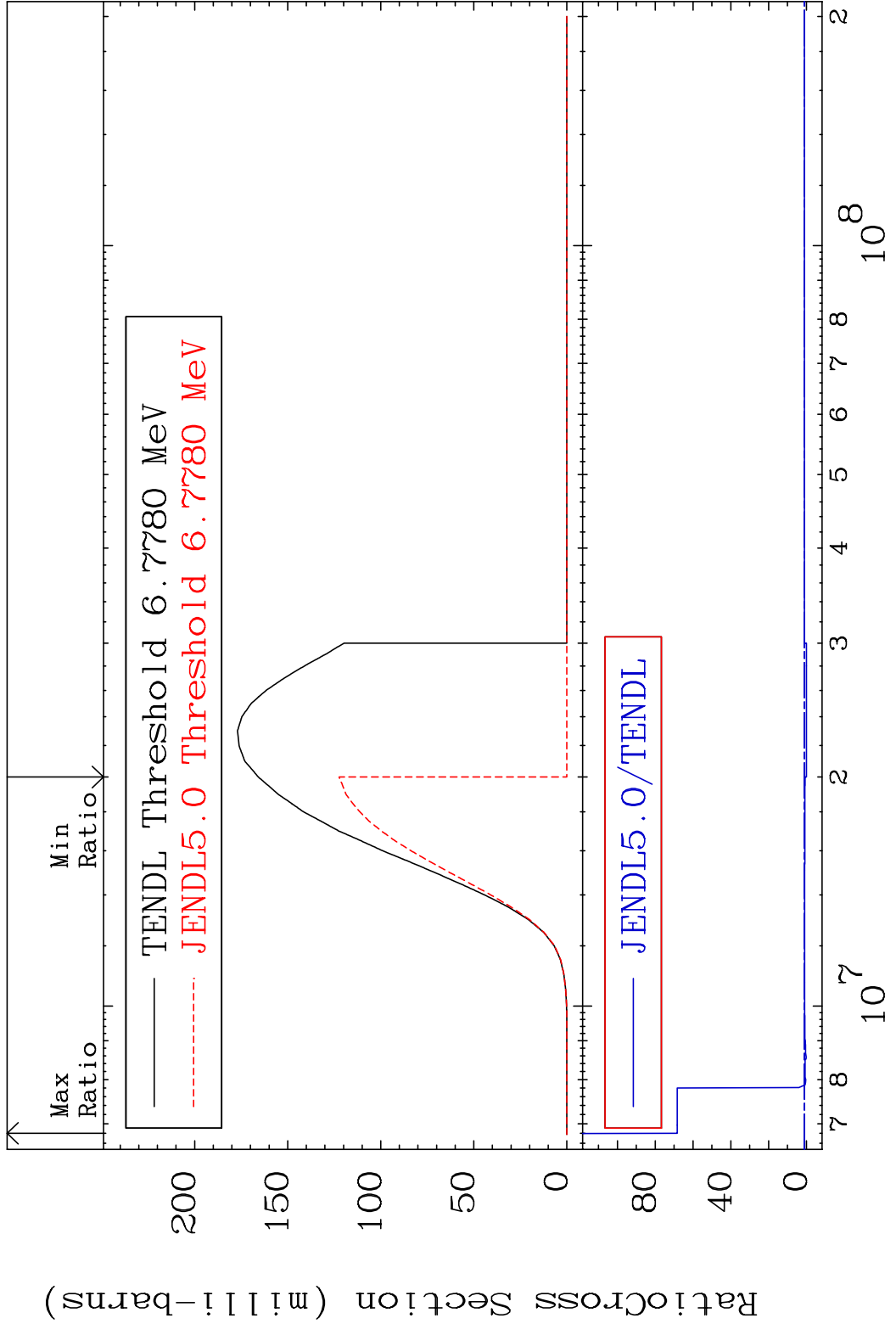
20-Ca-41

MAT 2028 (n,2n) 20-Ca-41
 Cross Section -100.0 To 16.67 %



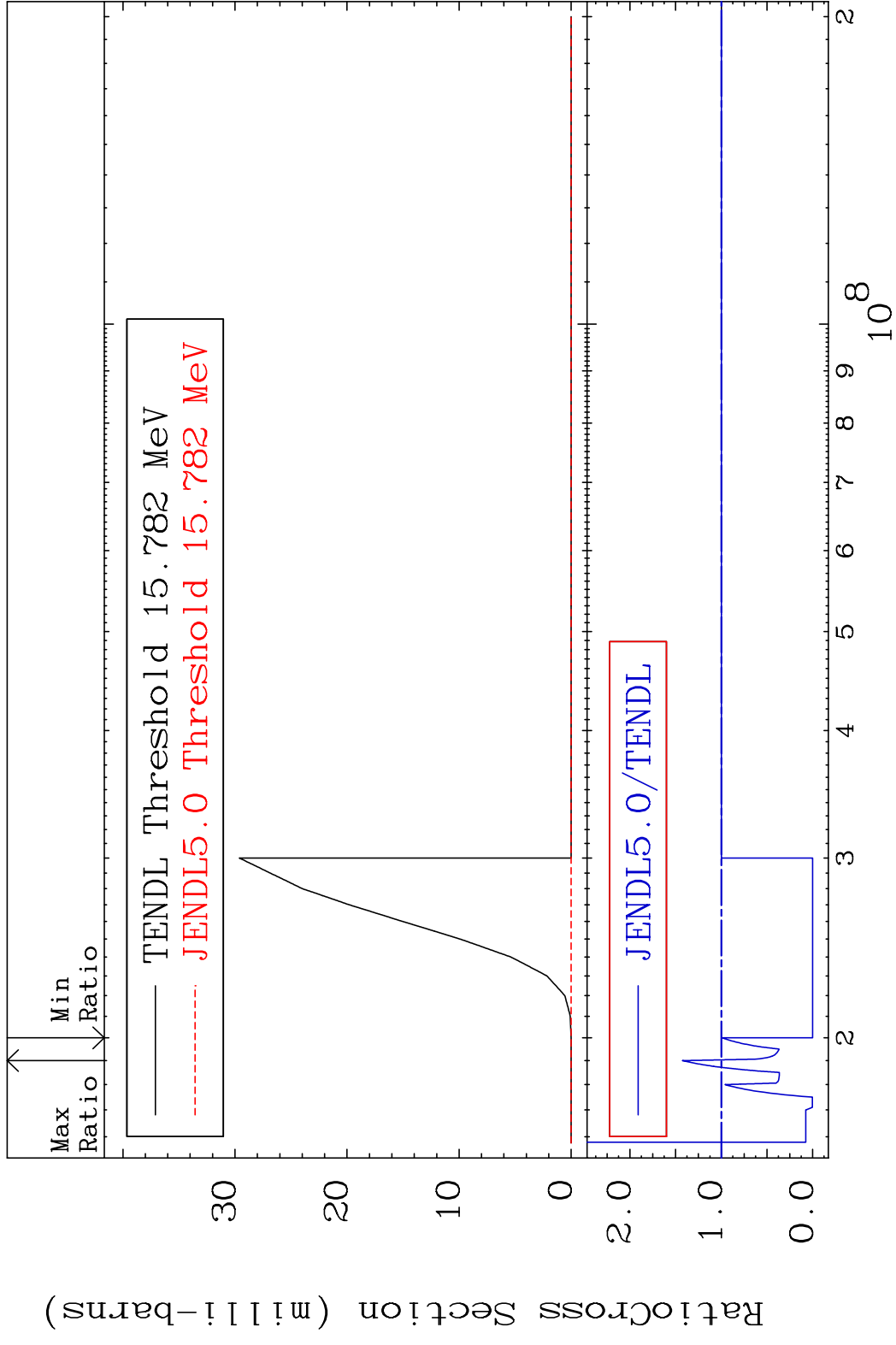
5 20-Ca-41

MAT 2028 (n, n') α 20-Ca-41
 Cross Section -100.0 To 6736. %



6 20-Ca-41

MAT 2028 (n,2n) α 20-Ca-41
 Cross Section -100.0 To 42.64 %

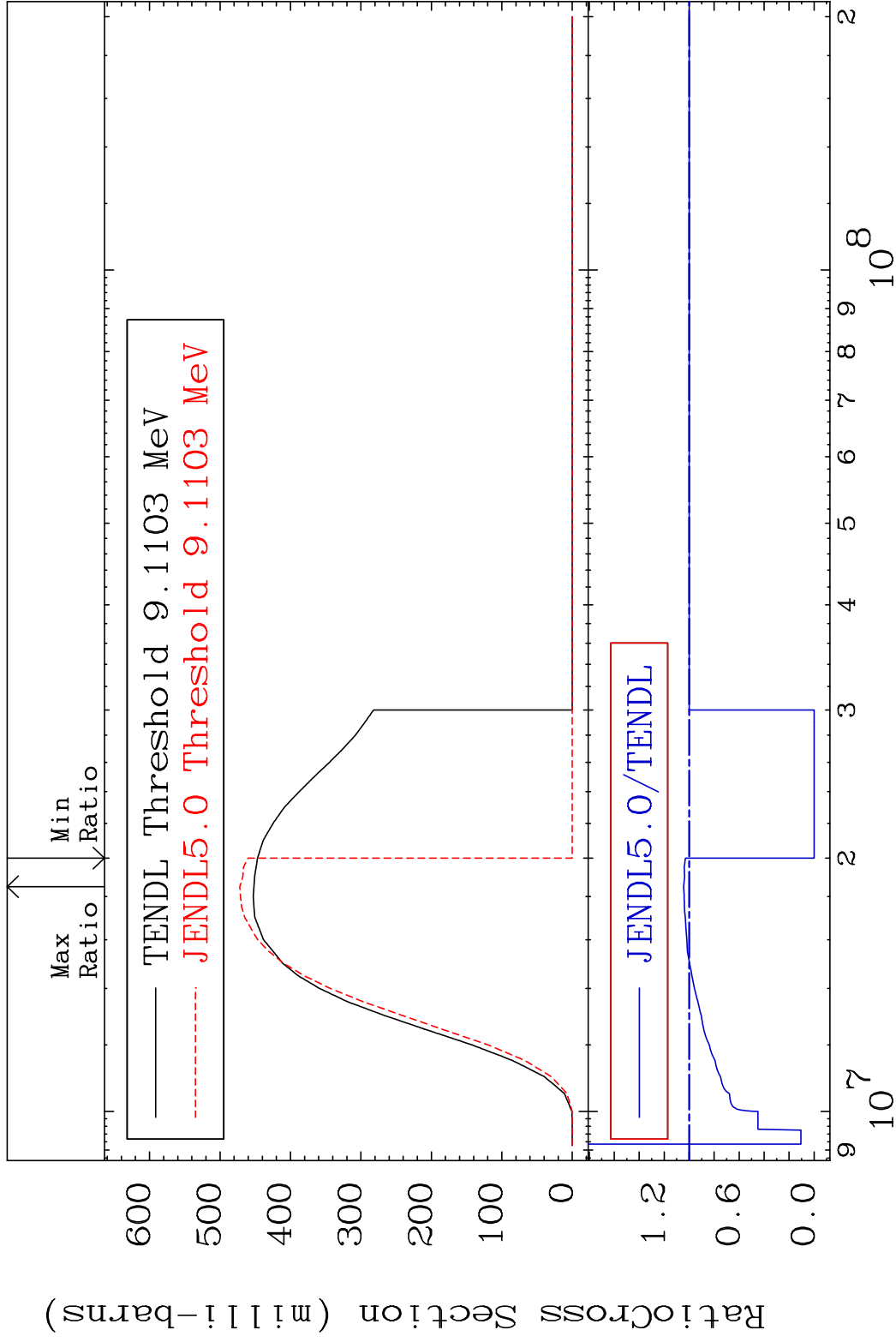


MAT 2028

(n, n') p

20-Ca-41

Cross Section -100.0 To 4.436 %

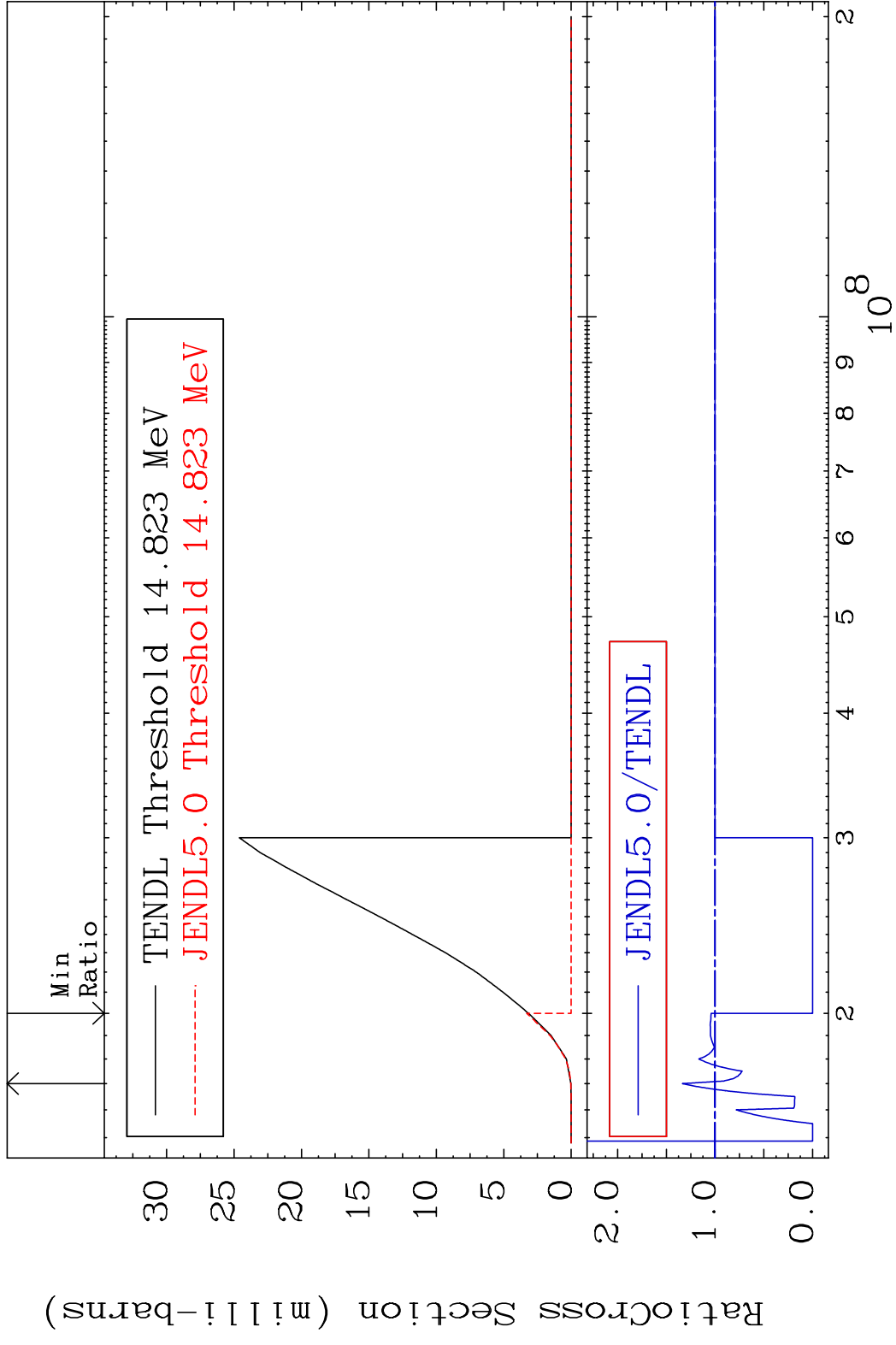


8

Incident Energy (eV)

20-Ca-41

MAT 2028 (n, n') d 20-Ca-41
 Cross Section -100.0 To 33.59 %

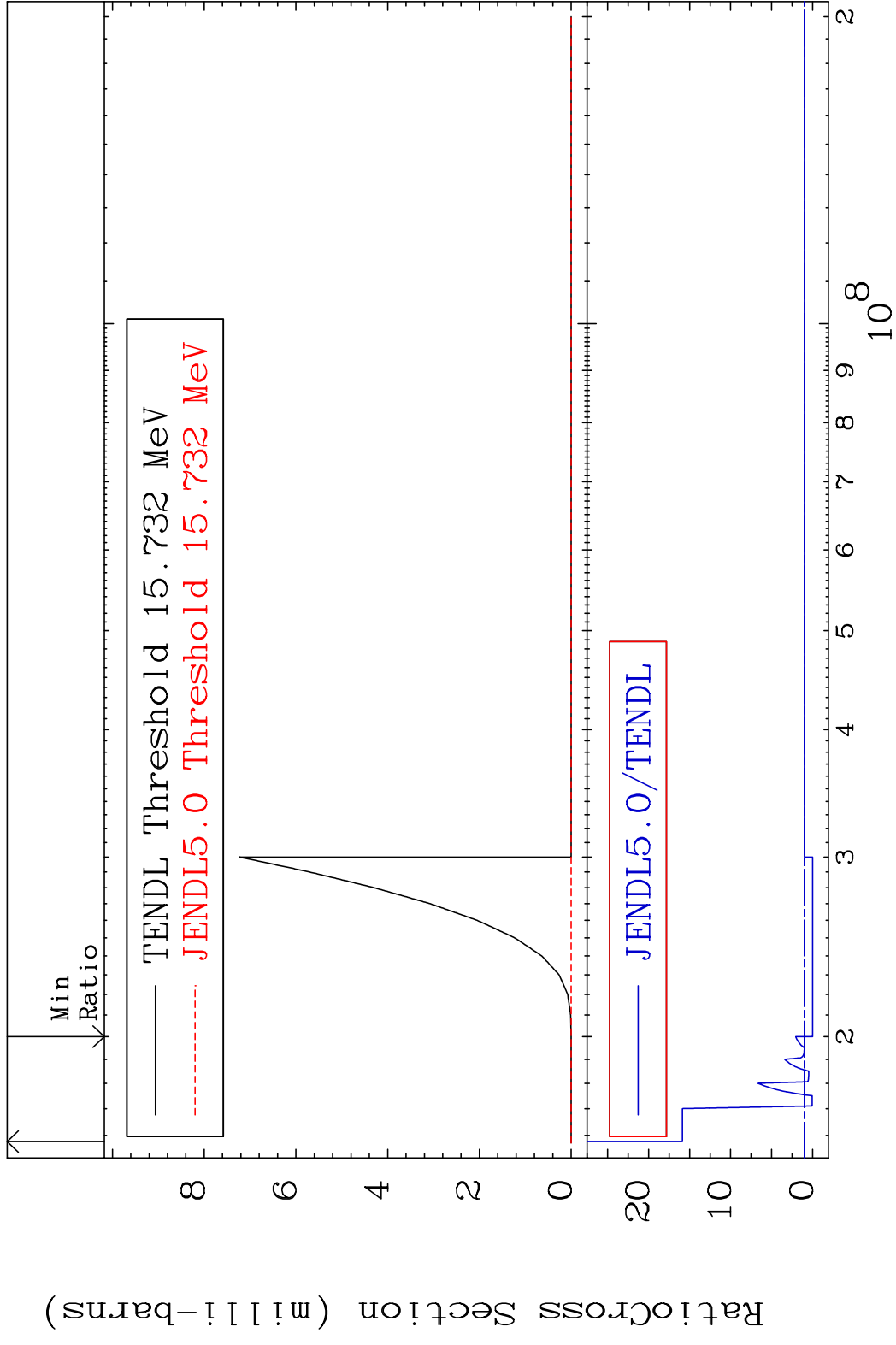


MAT 2028

(n,n') He-3

20-Ca-41

Cross Section -100.0 To 1489. %

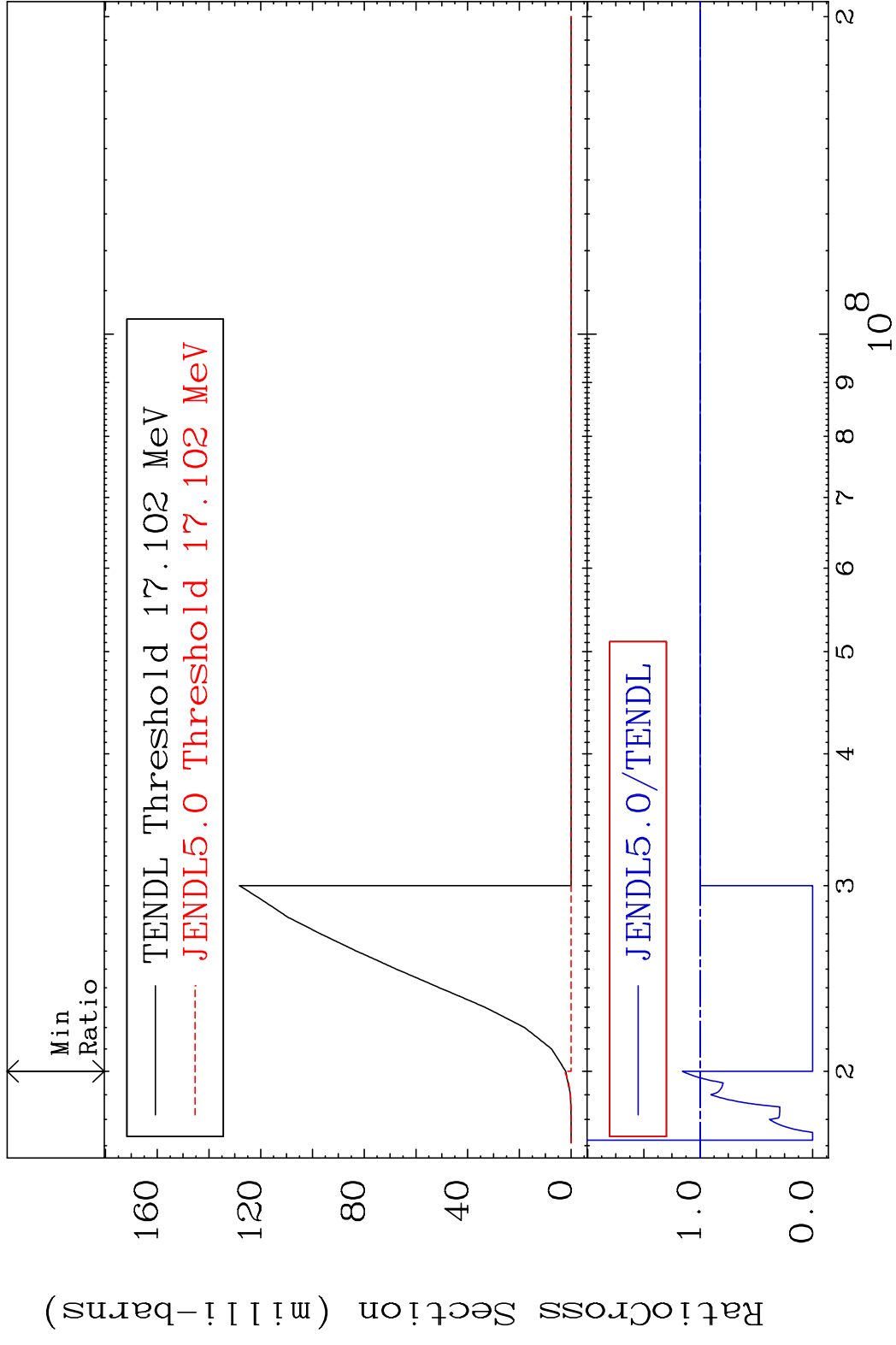


10

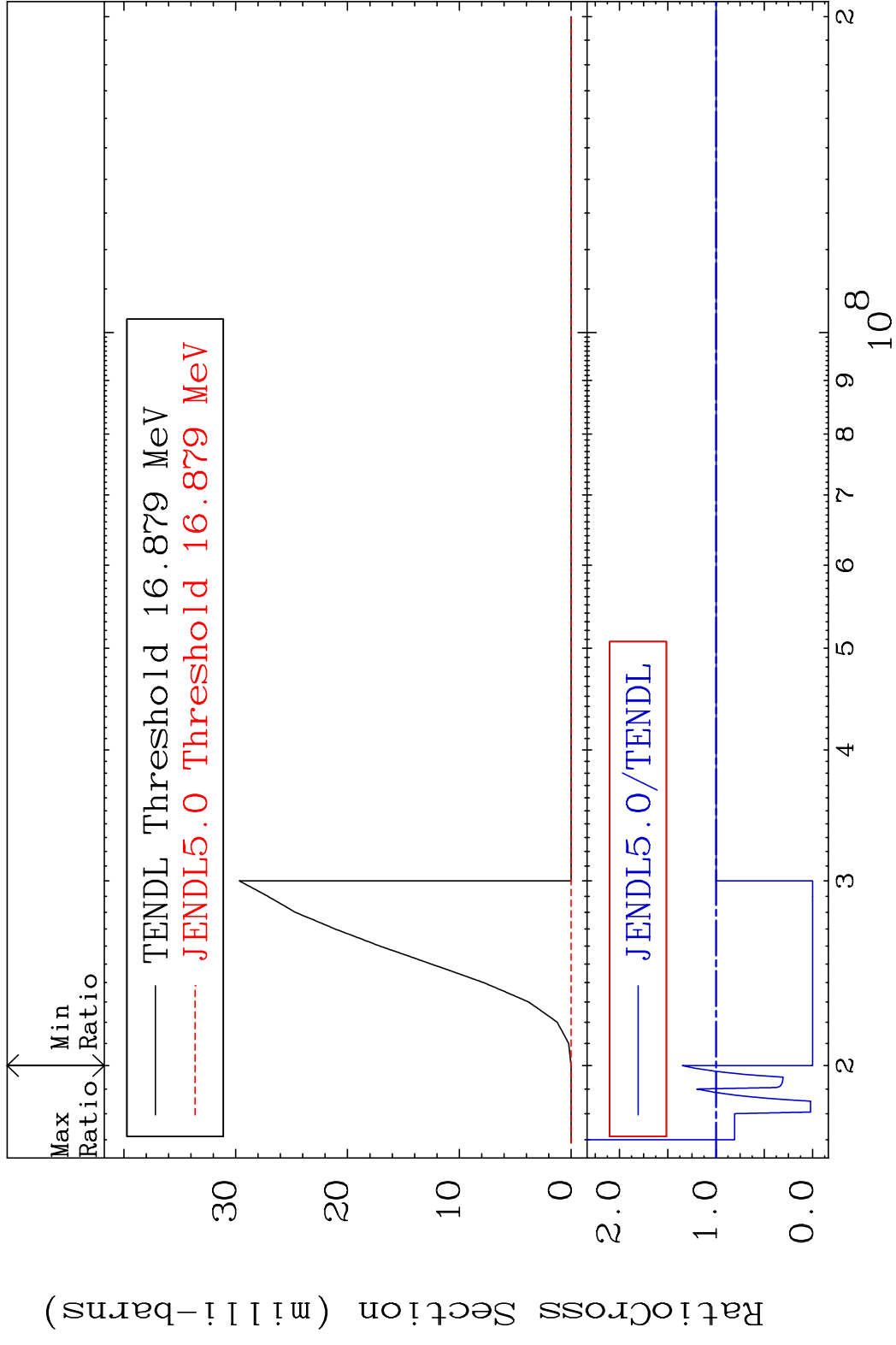
Incident Energy (eV)

20-Ca-41

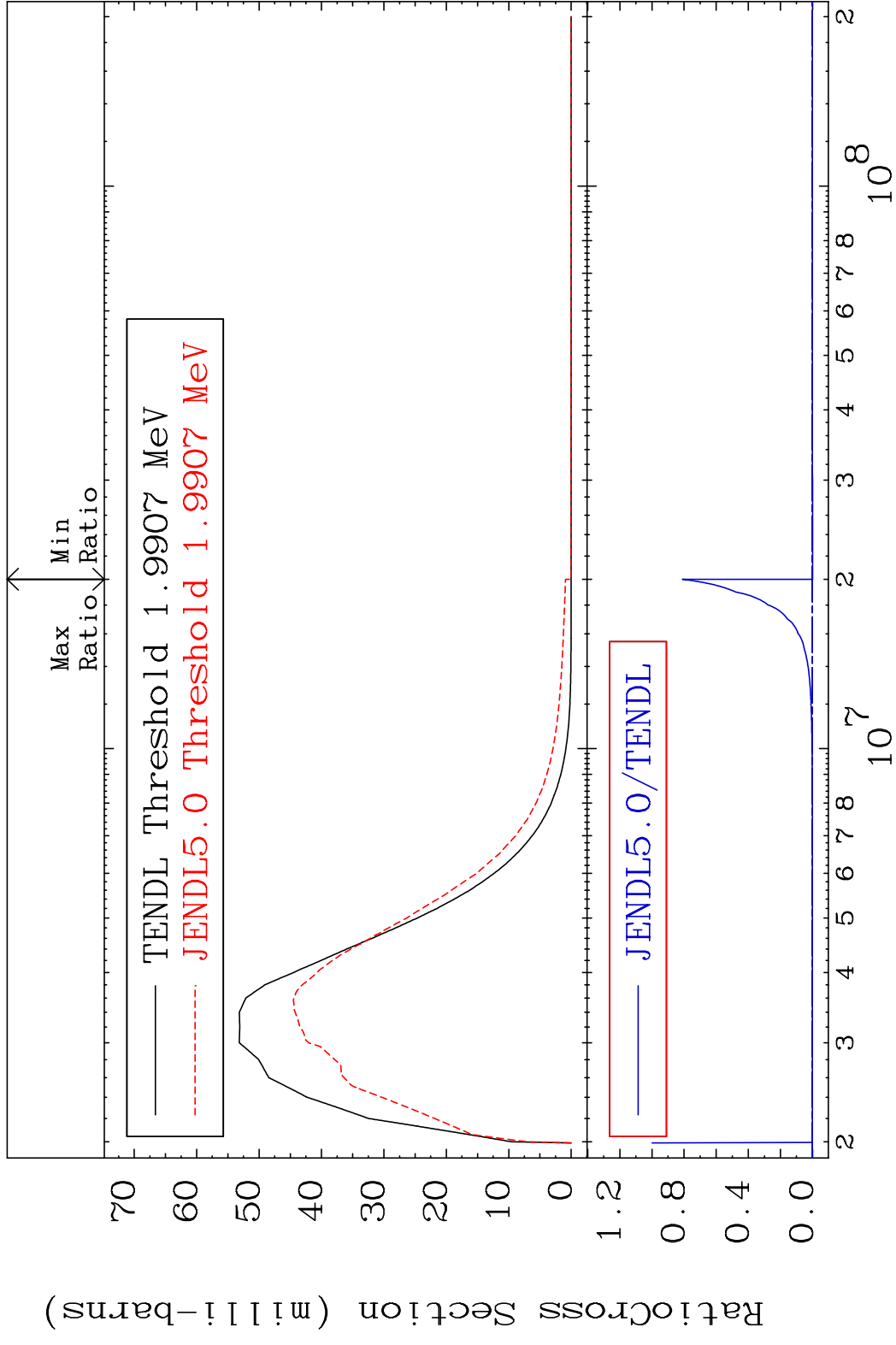
MAT 2028 (n,2n) p 20-Ca-41
 Cross Section -100.0 To 15.79 %



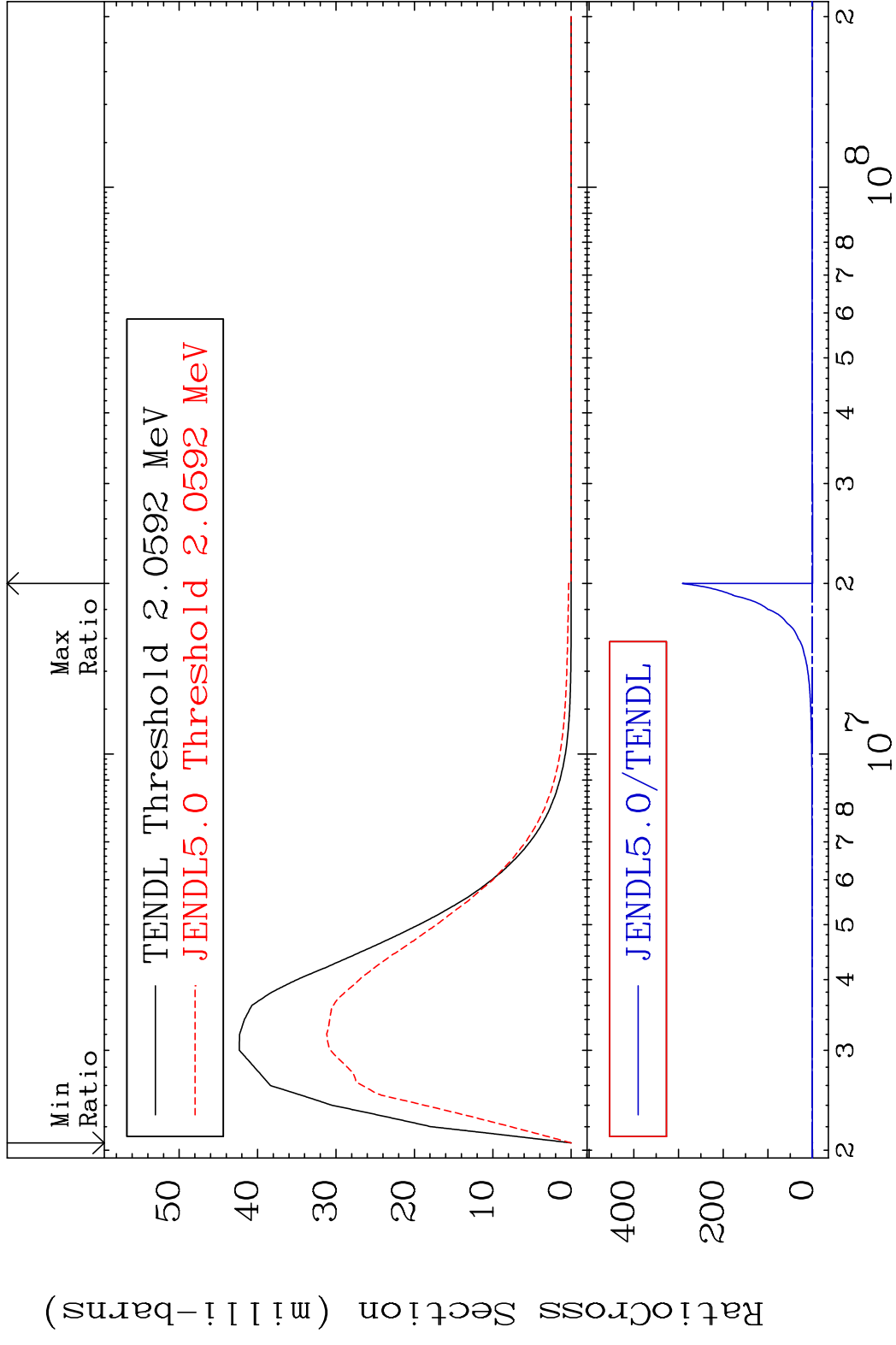
MAT 2028 (n,2n) p 20-Ca-41
 Cross Section -100.0 To 34.89 %



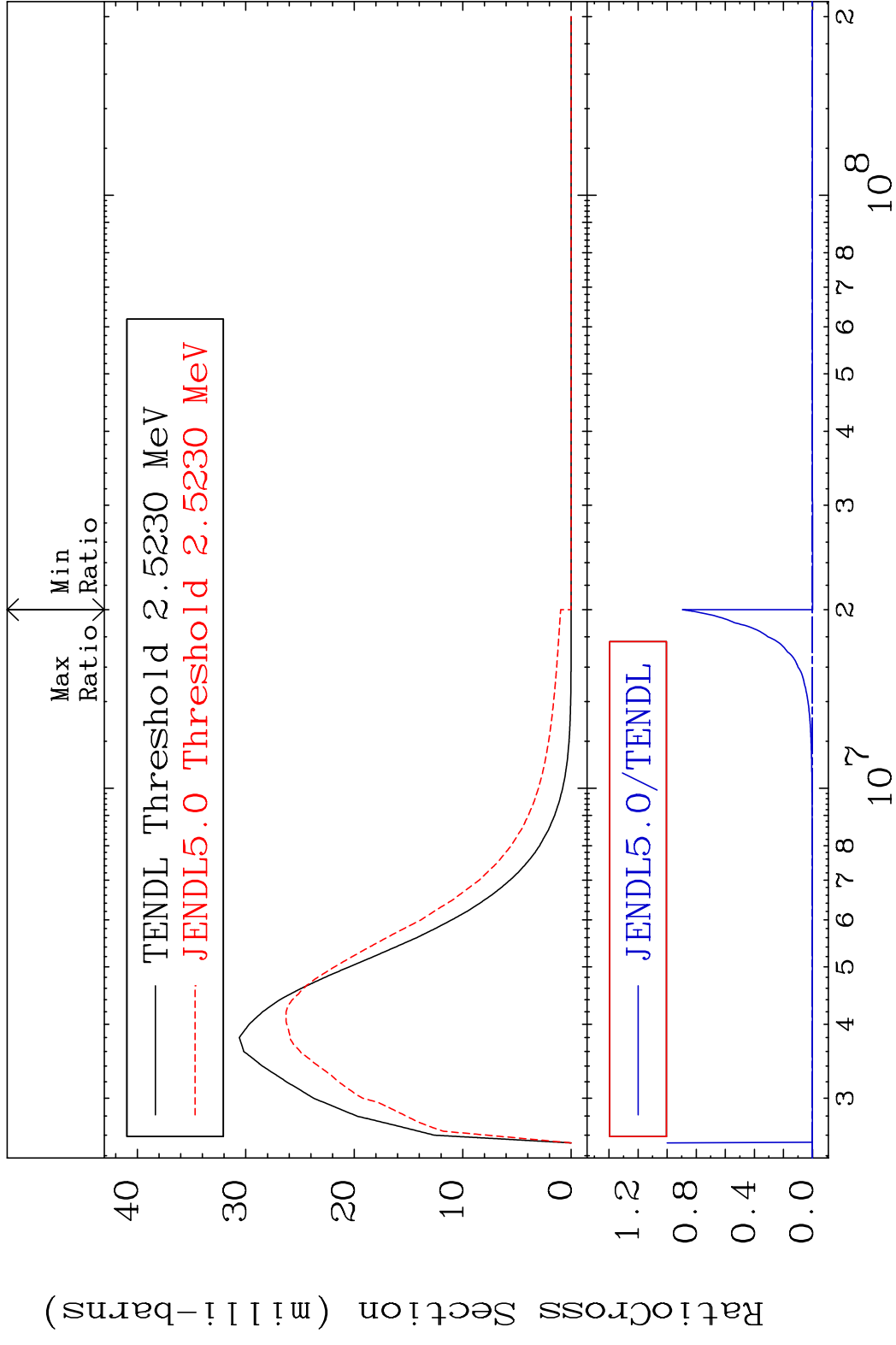
MAT 2028 MT= 51 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



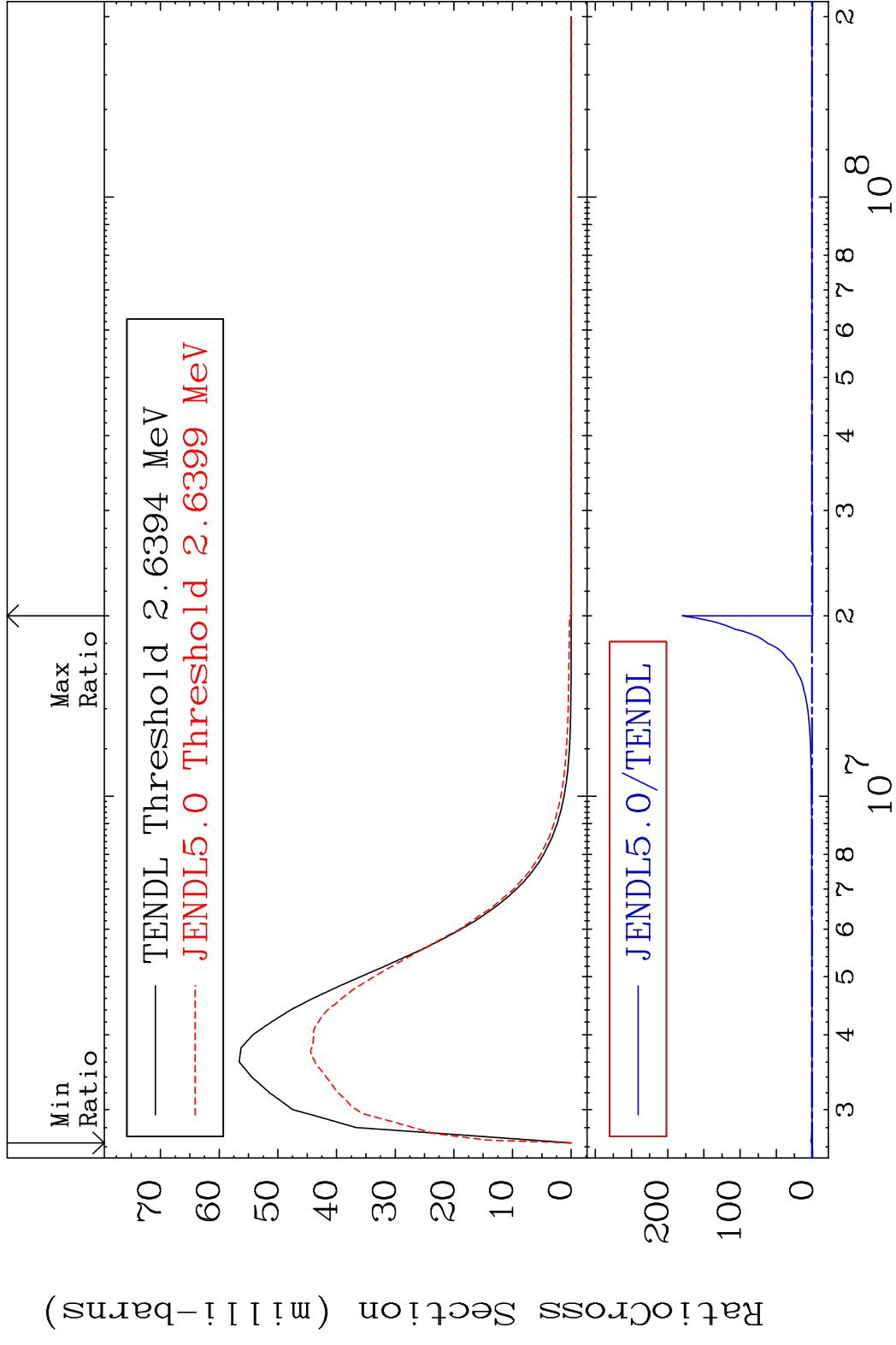
MAT 2028 MT= 52 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



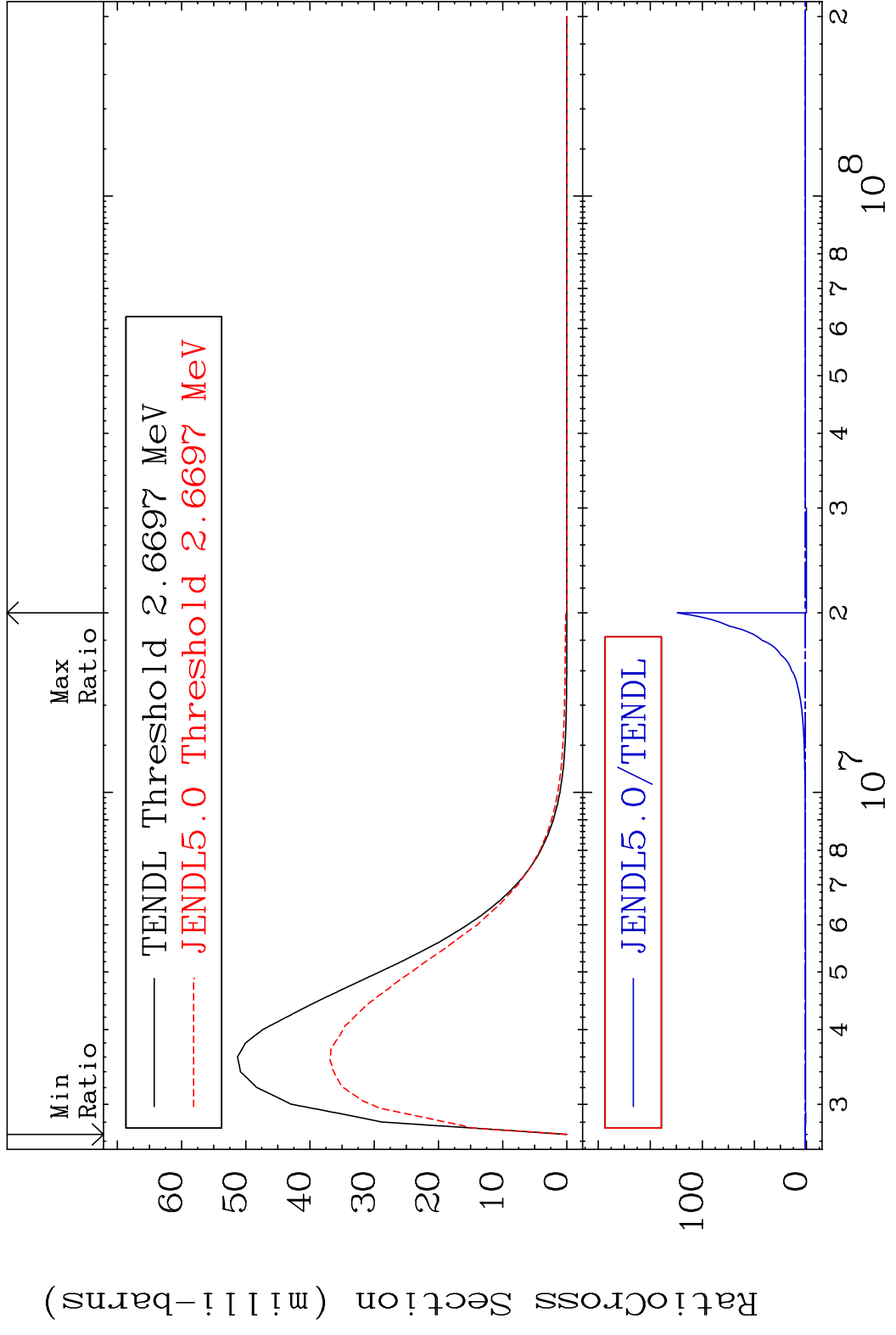
MAT 2028 MT= 53 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



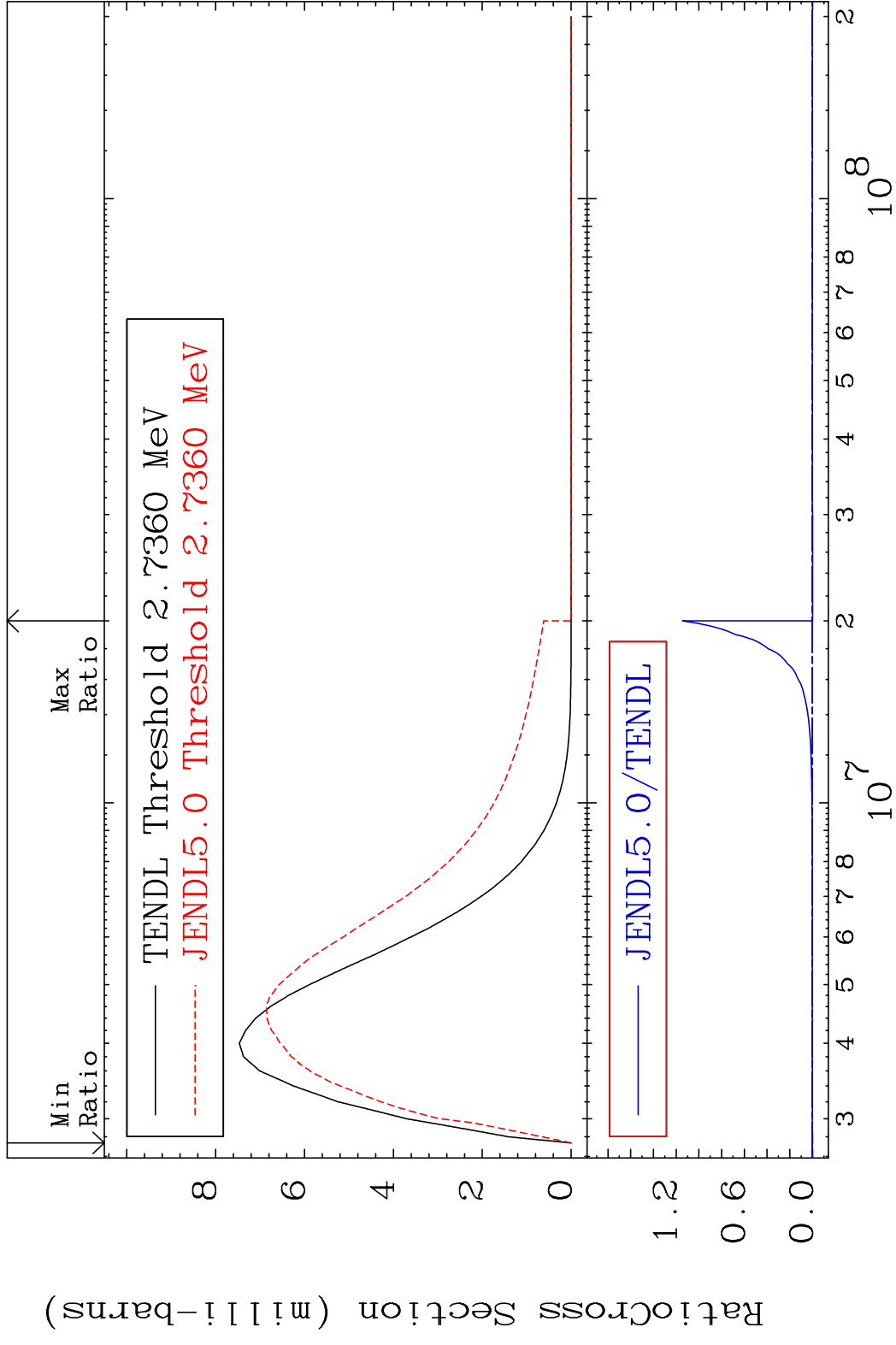
MAT 2028 MT= 54 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



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

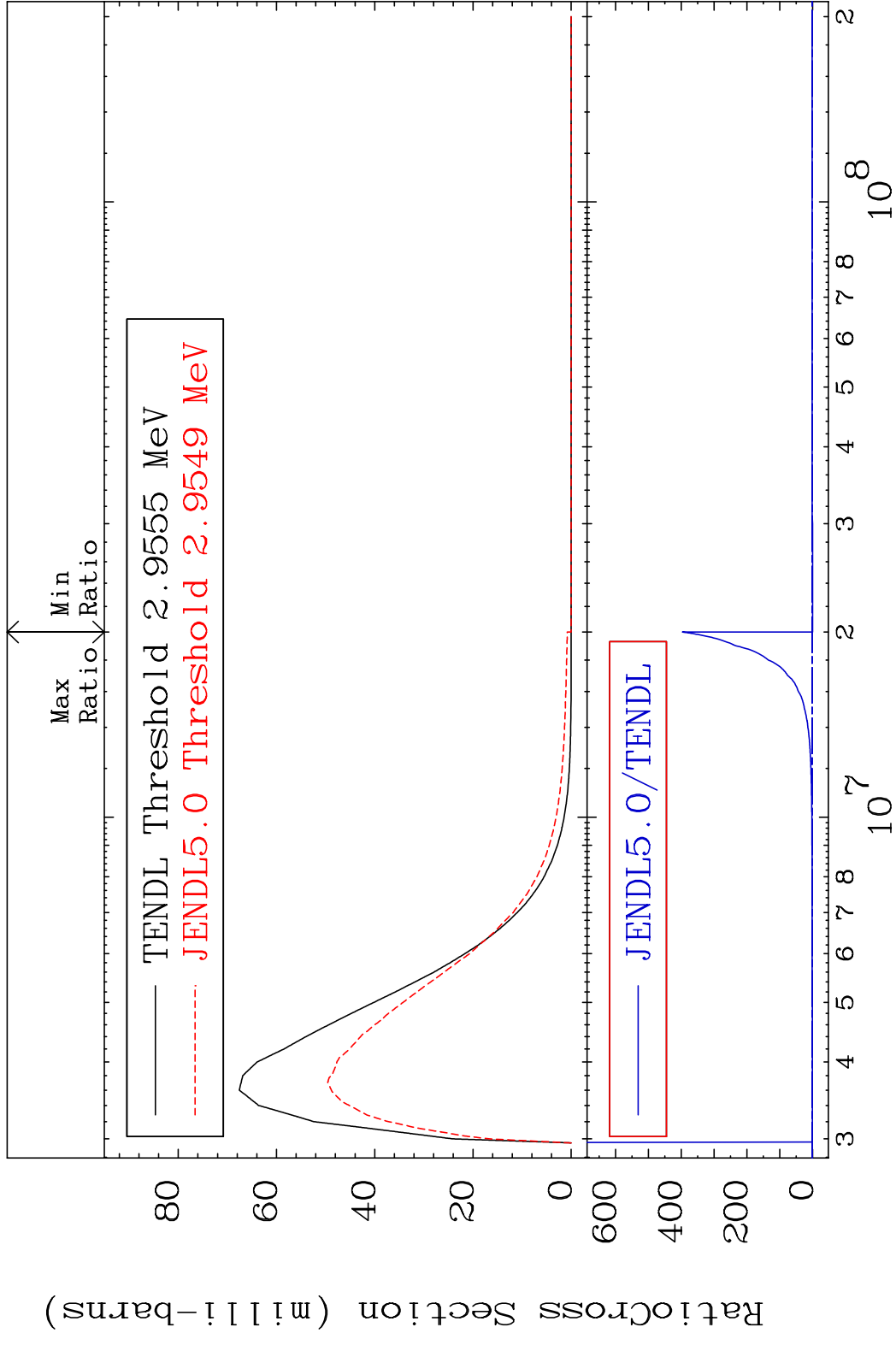


MAT 2028 MT= 56 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %

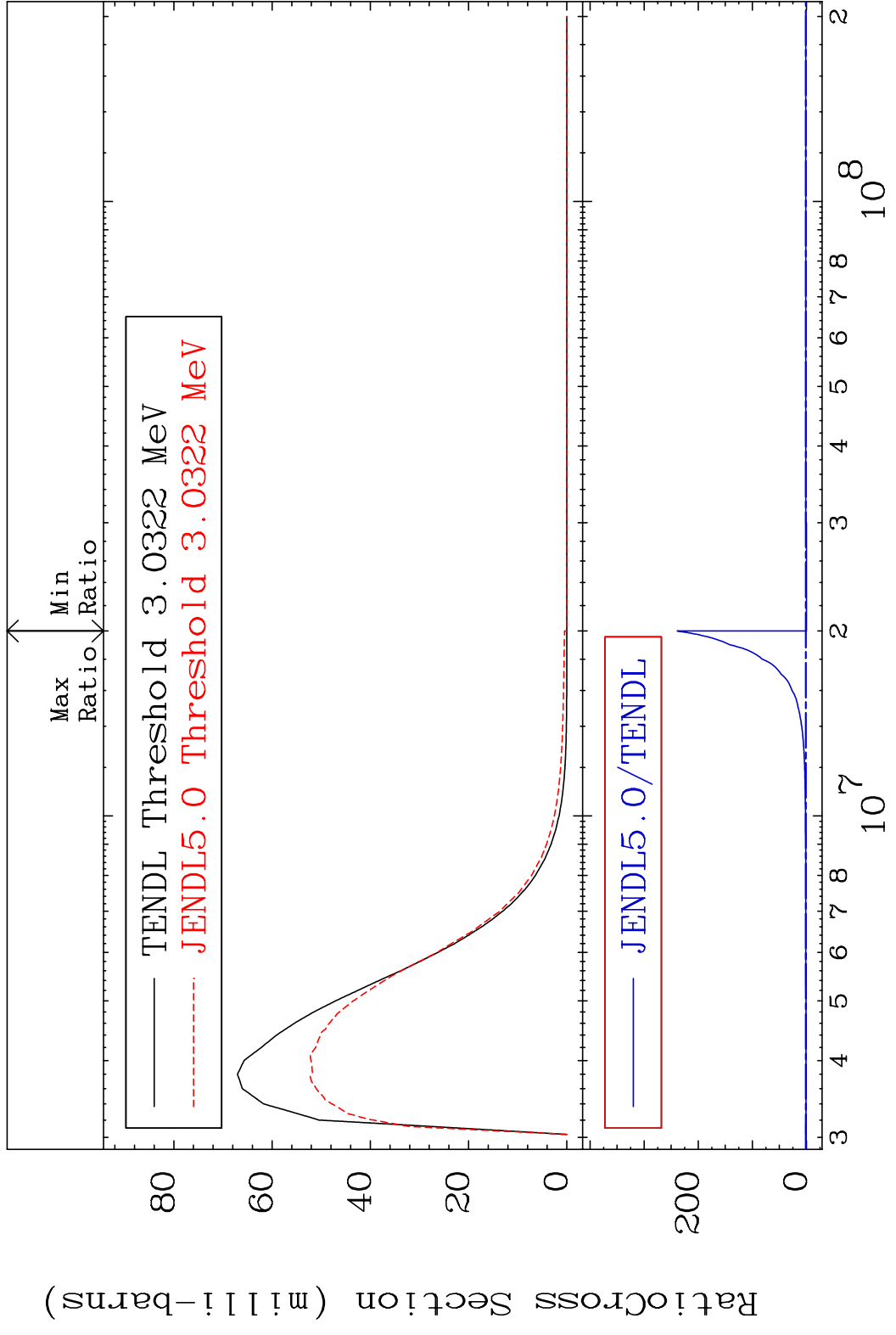


18 18 Incident Energy (eV) 20-Ca-41

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

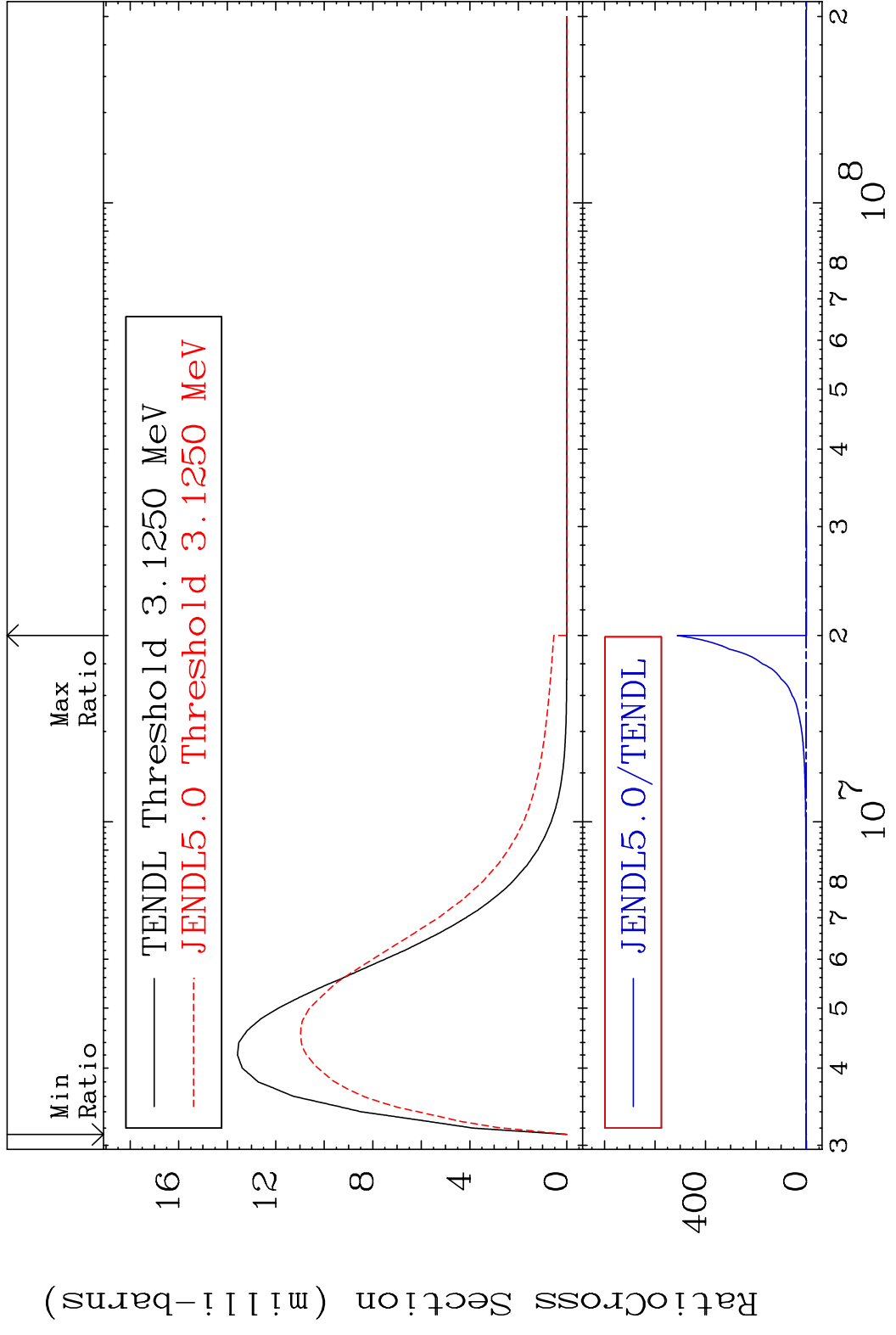


MAT 2028 MT= 58 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %

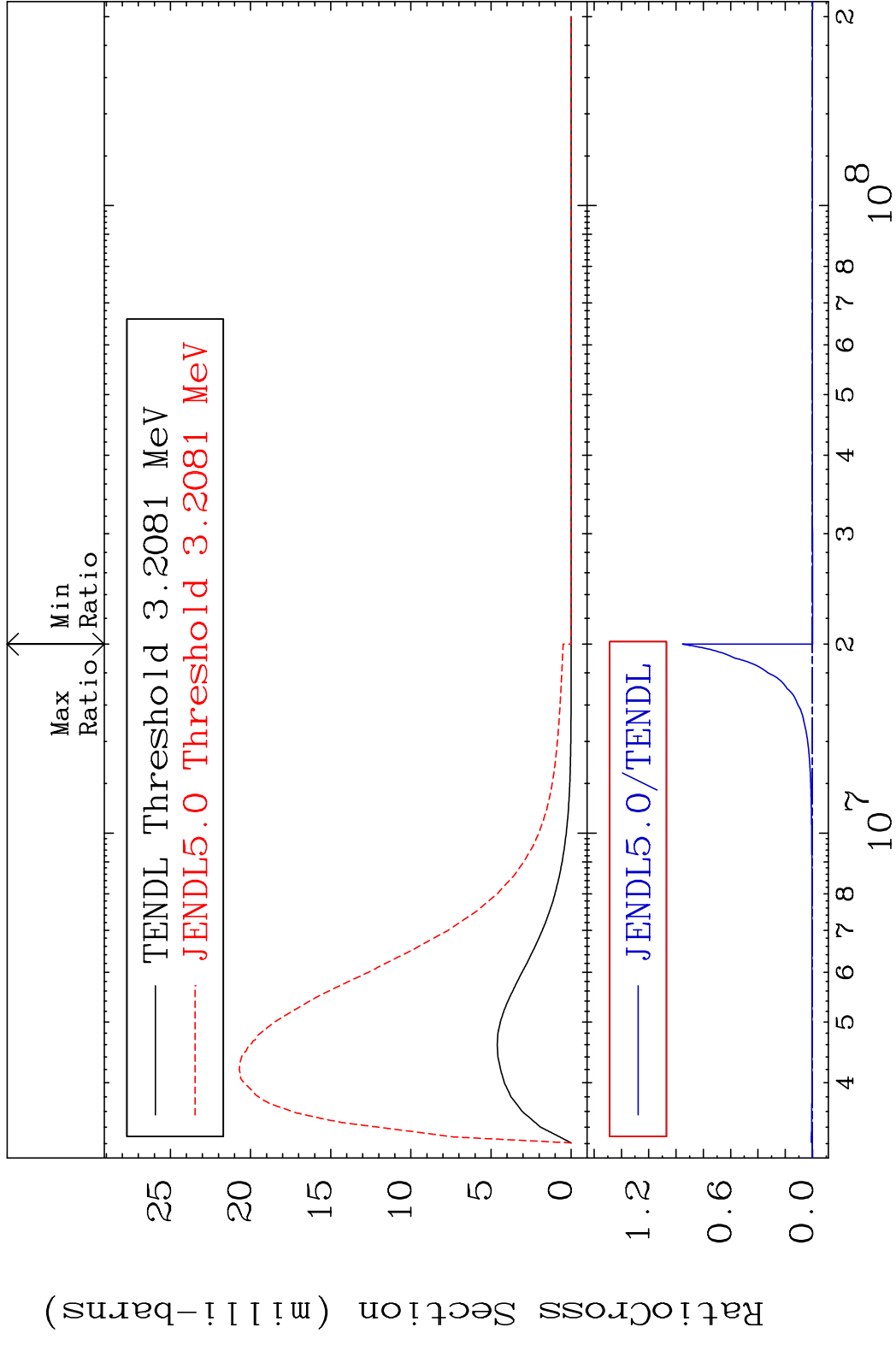


20 3 4 5 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 20-Ca-41

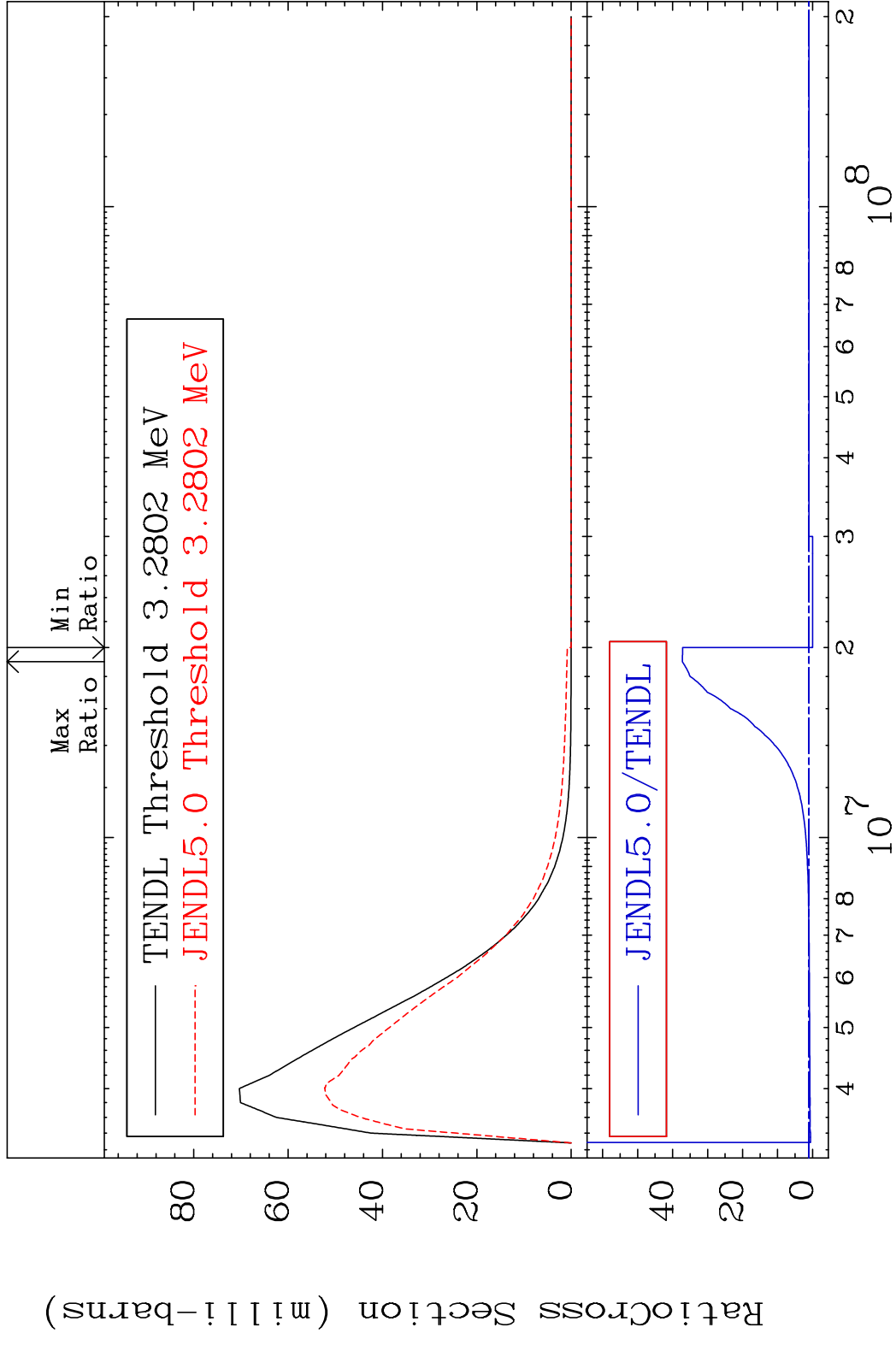
MAT 2028 MT= 59 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



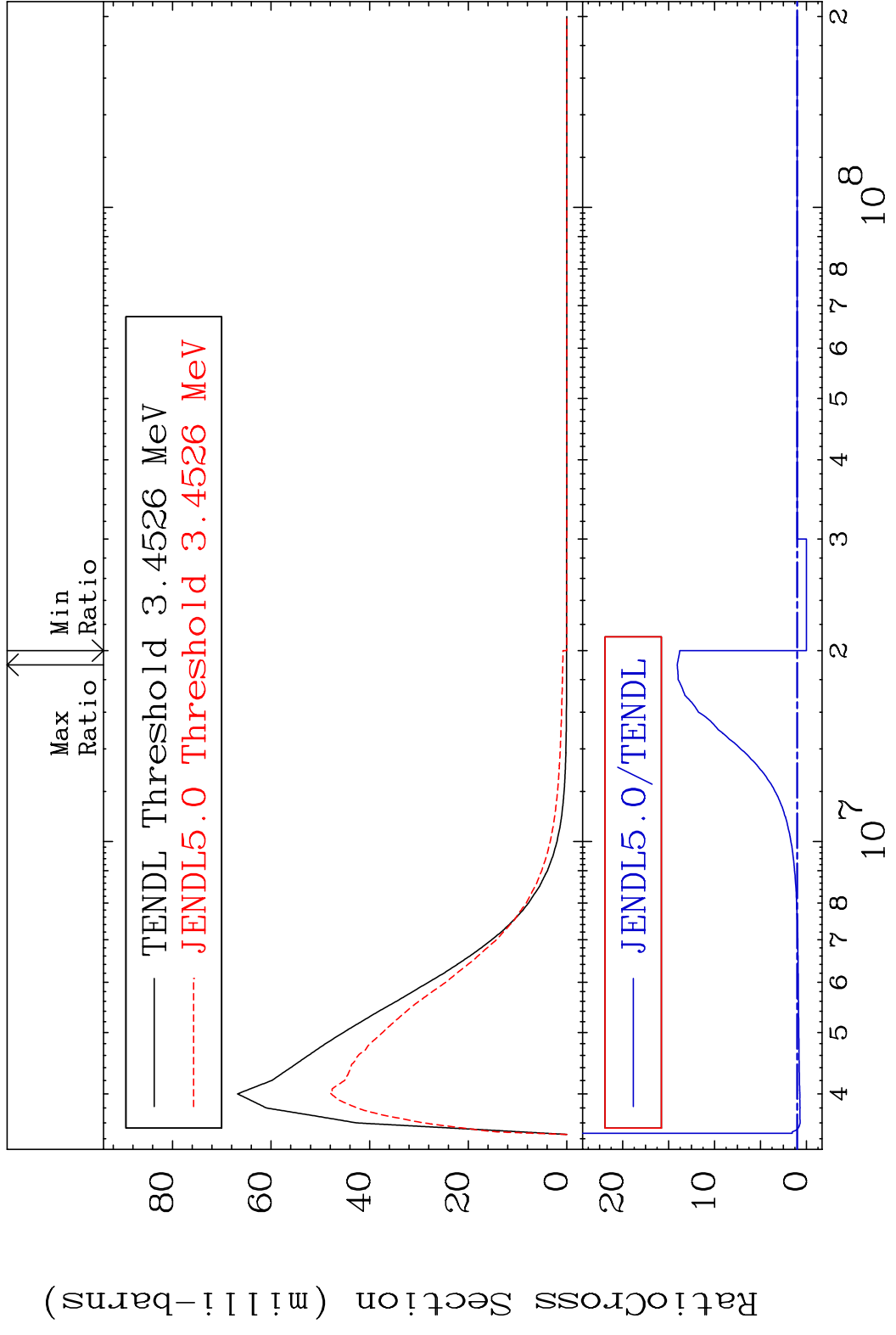
MAT 2028 MT= 60 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



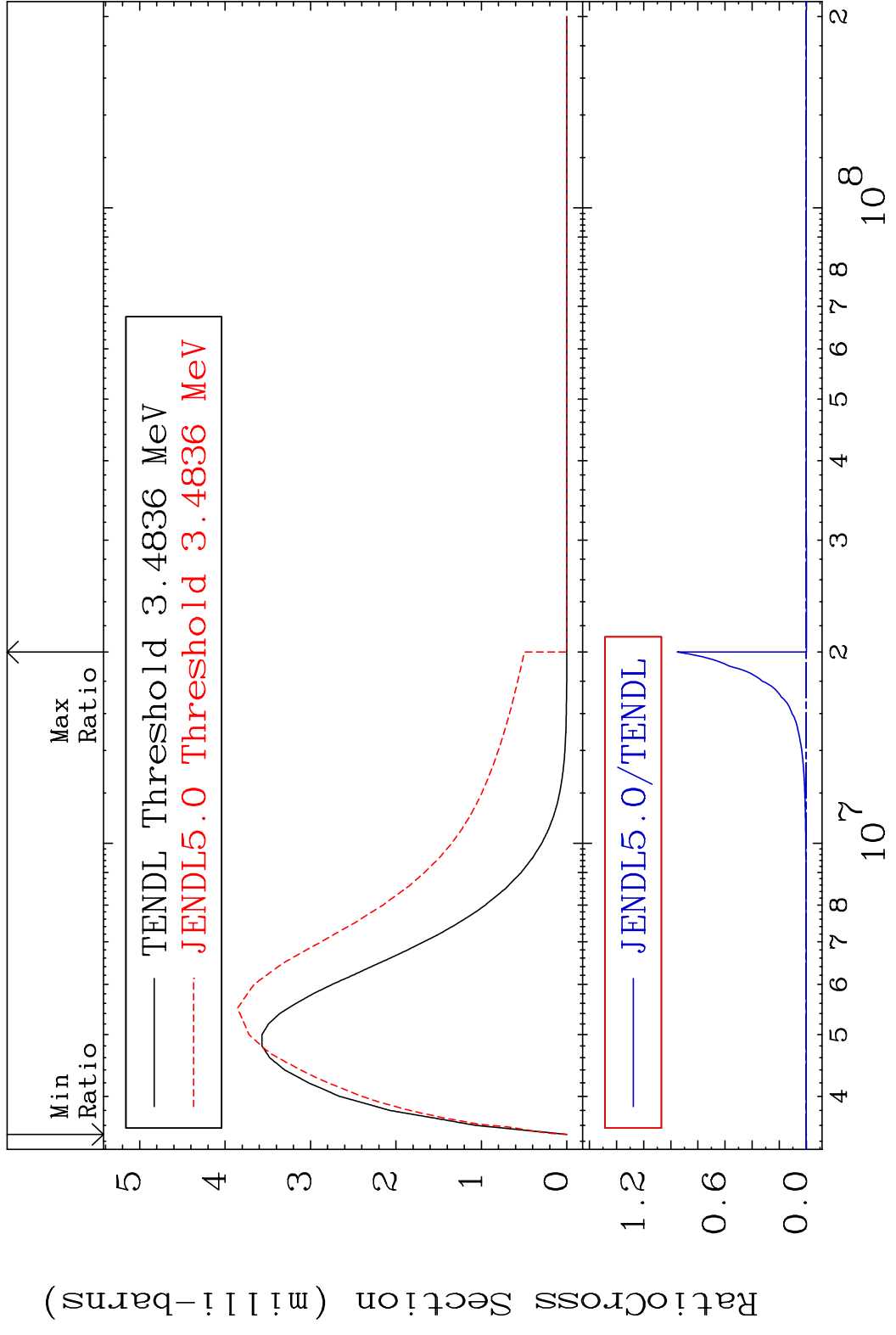
MAT 2028 MT= 61 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 3621. %



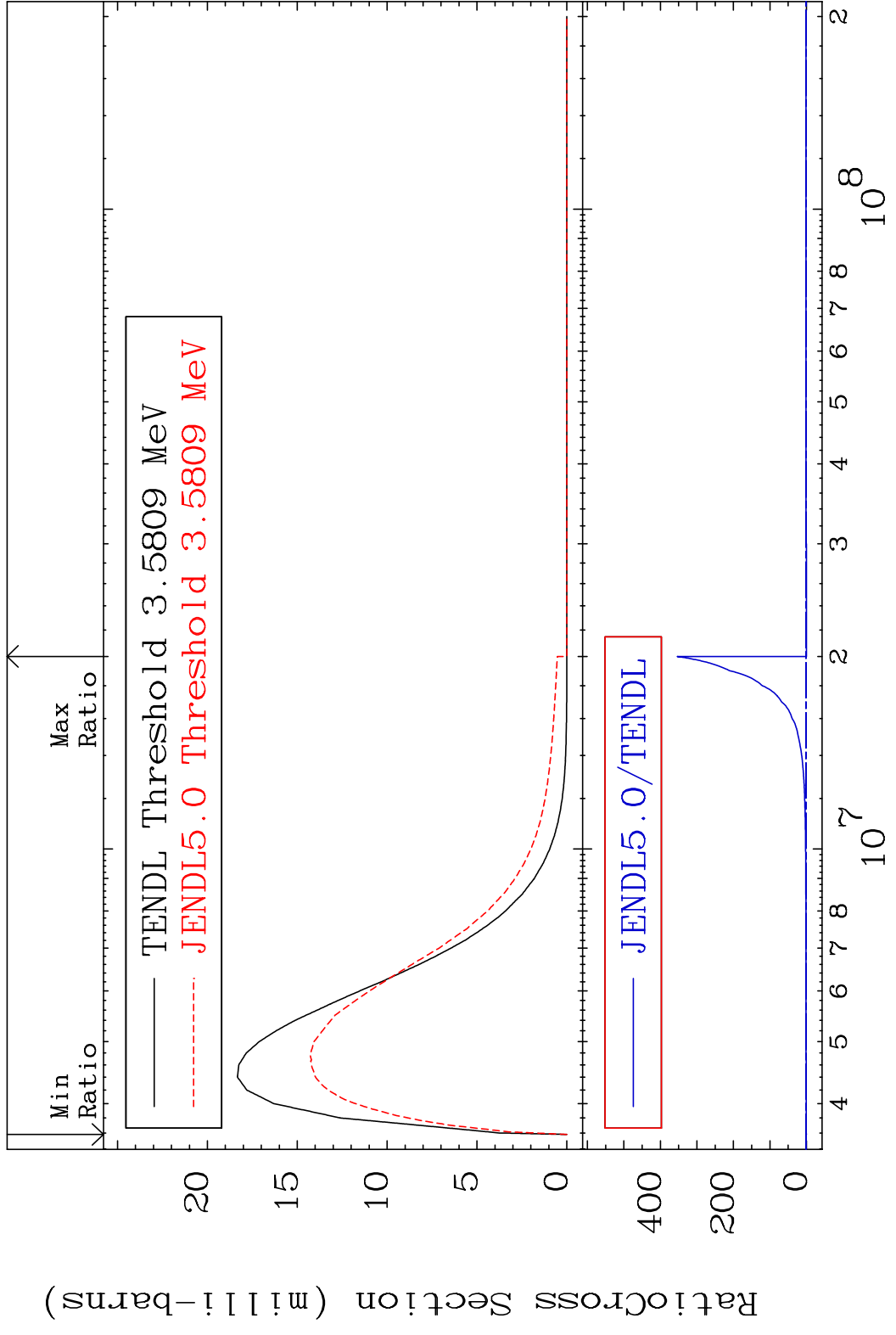
MAT 2028 MT= 62 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 1306. %



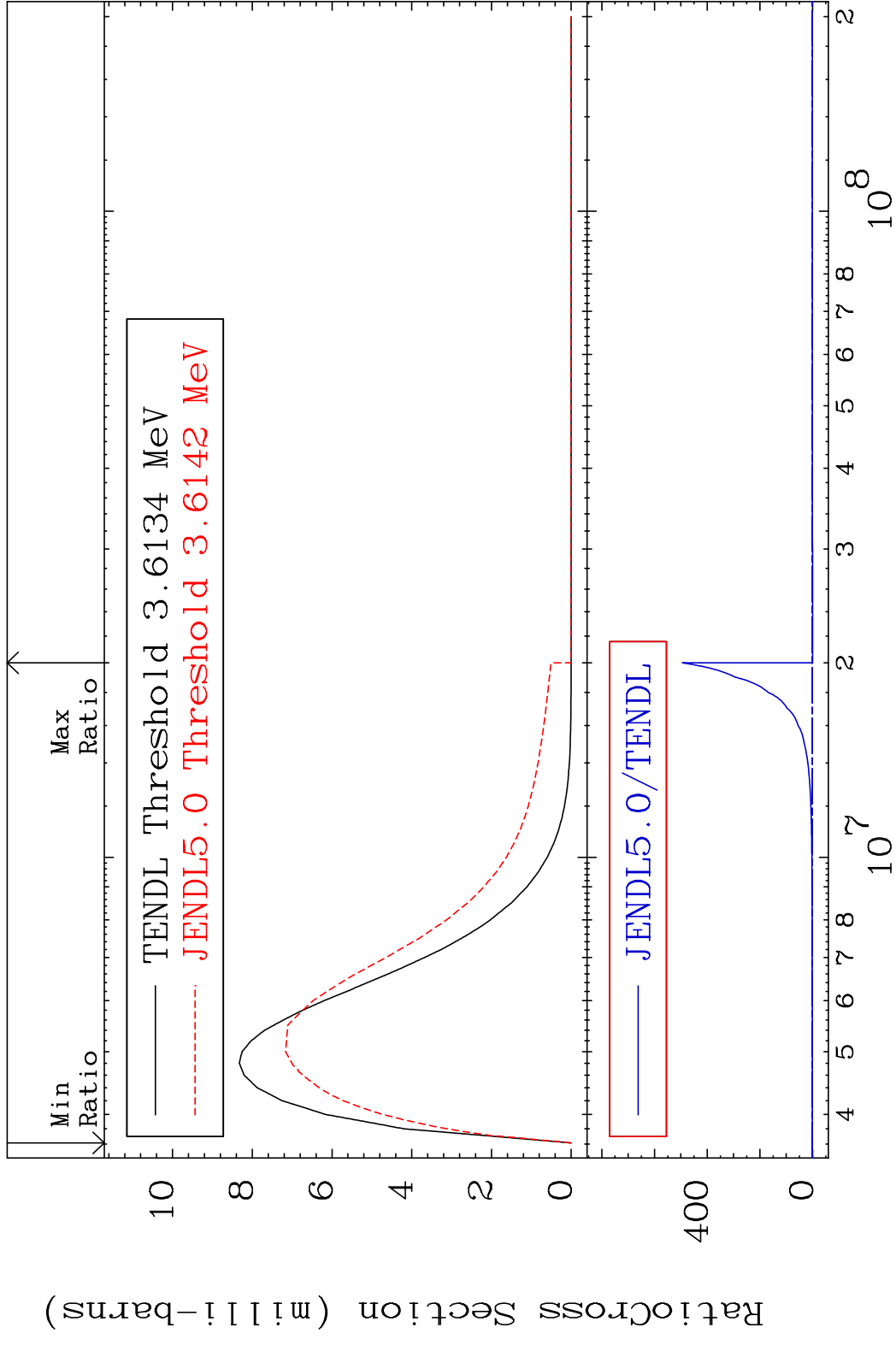
MAT 2028 MT= 63 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



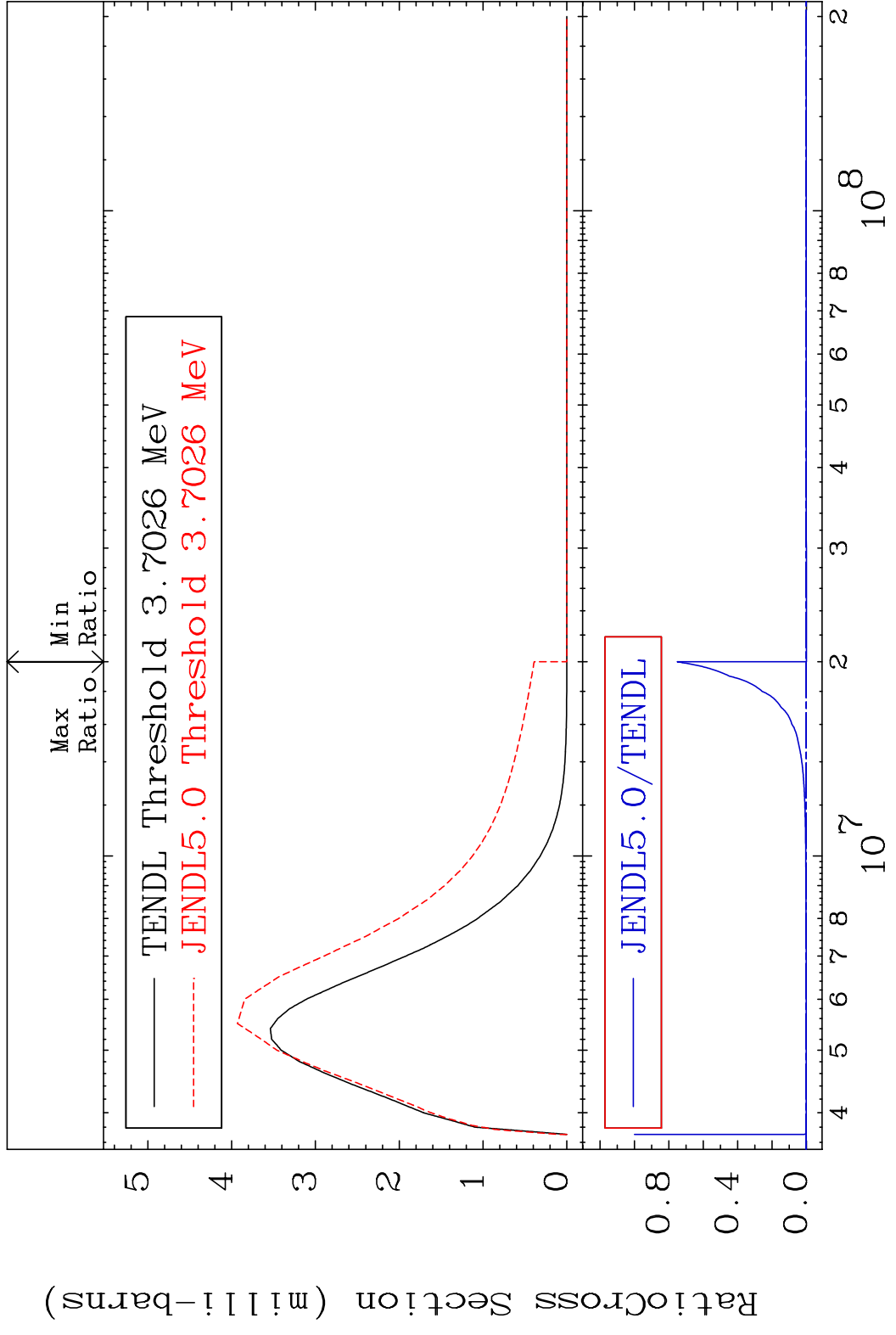
MAT 2028 MT= 64 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



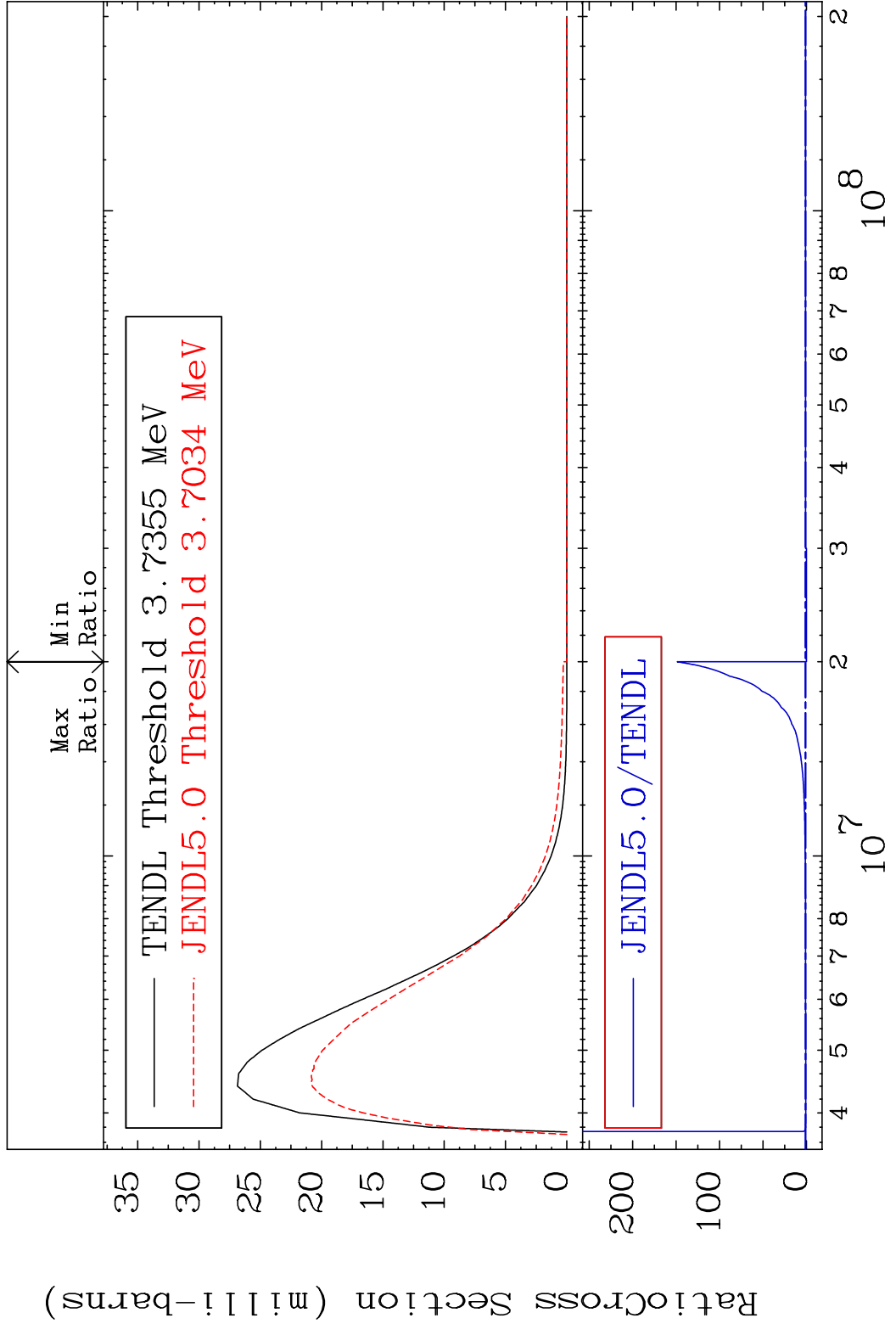
MAT 2028 MT= 65 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



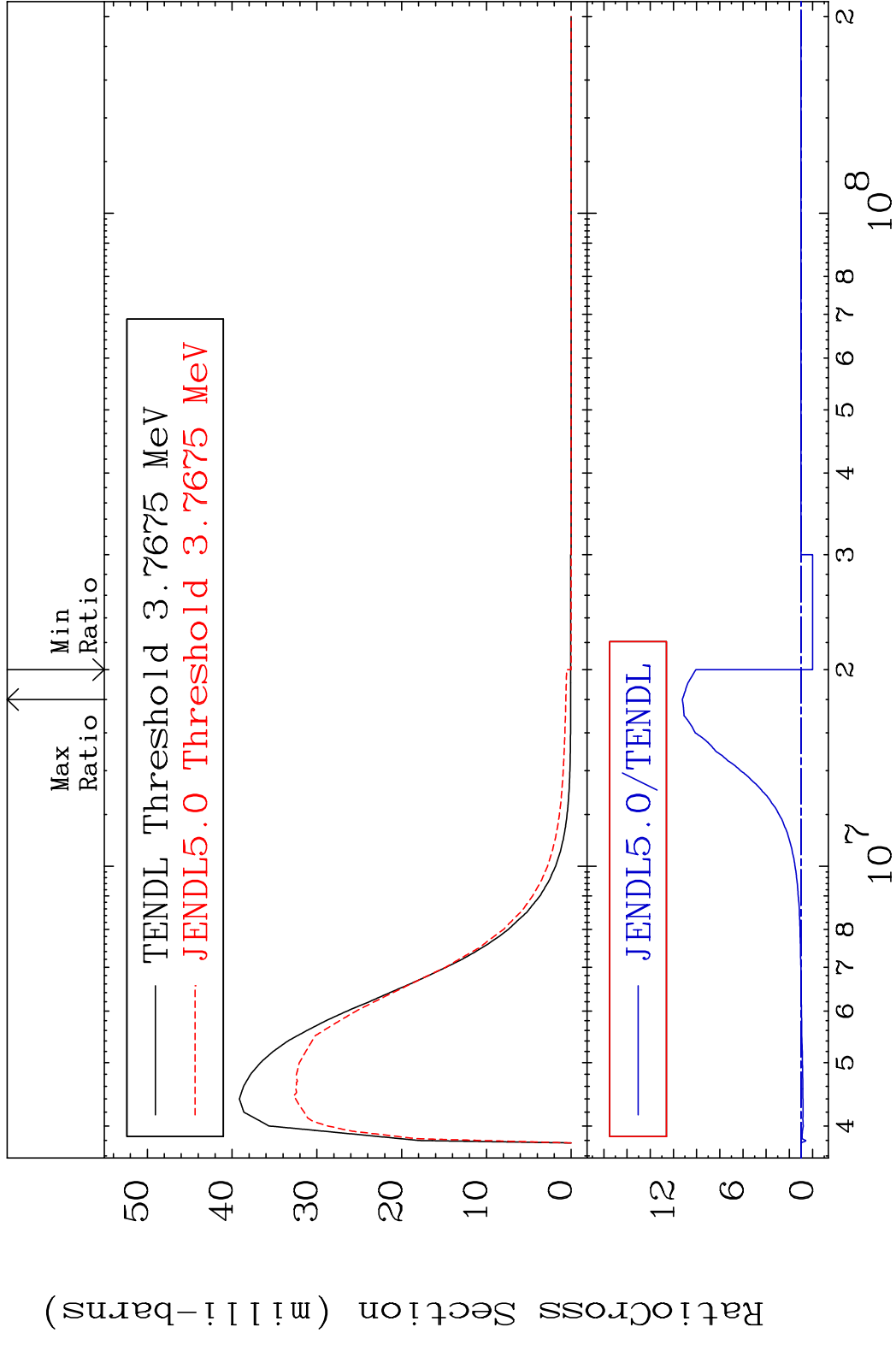
MAT 2028 MT= 66 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



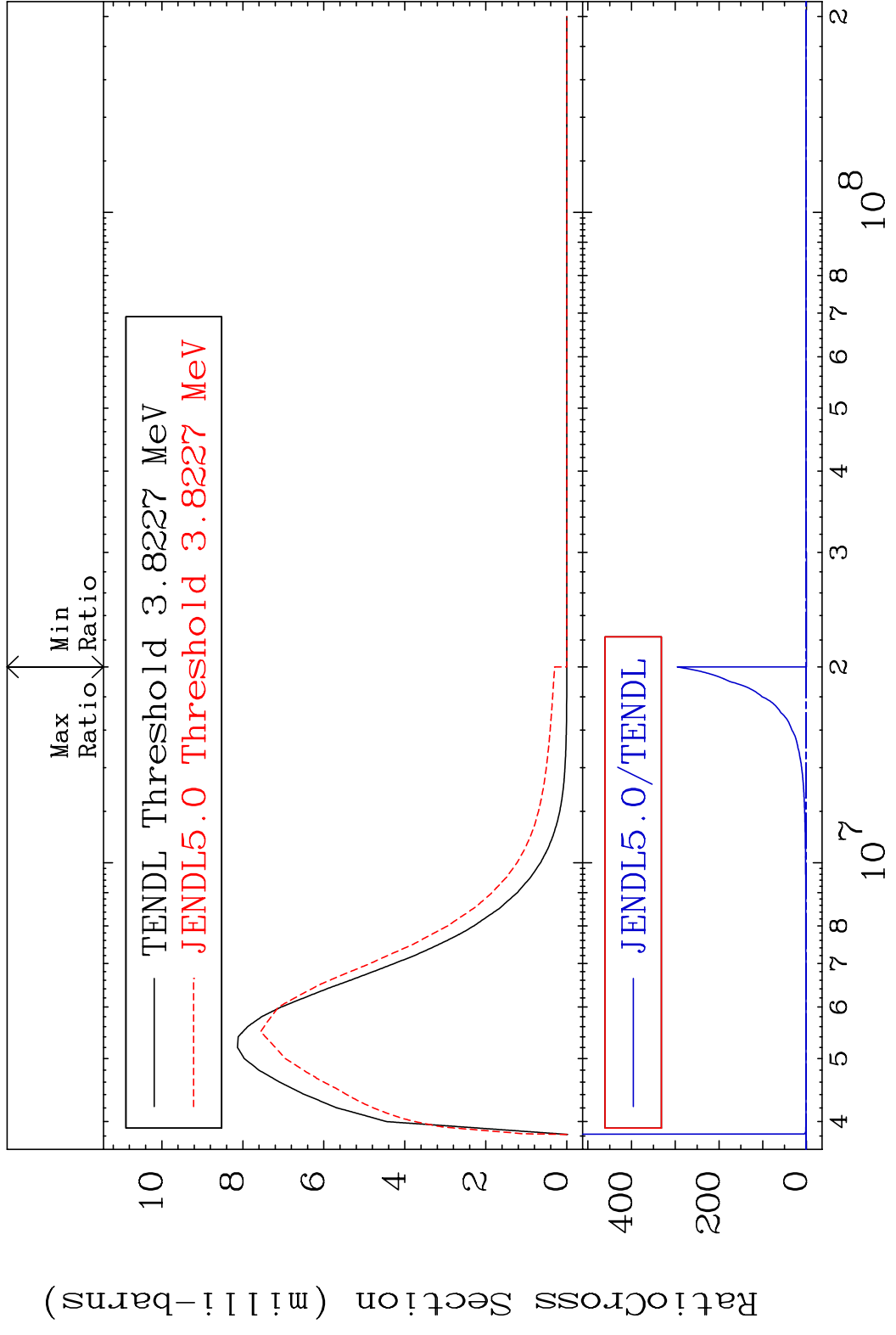
MAT 2028 MT= 67 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



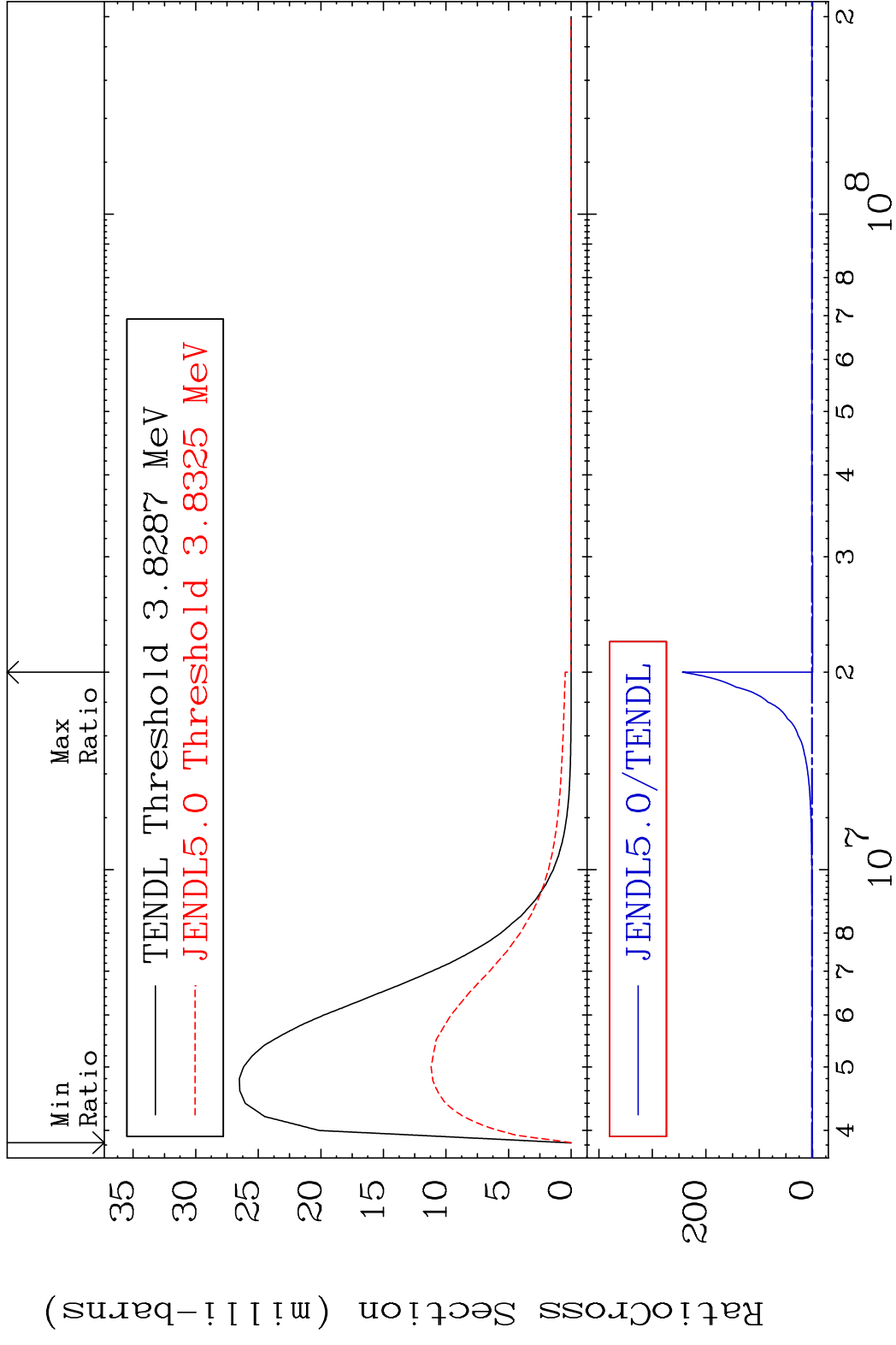
MAT 2028 MT= 68 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 1023. %



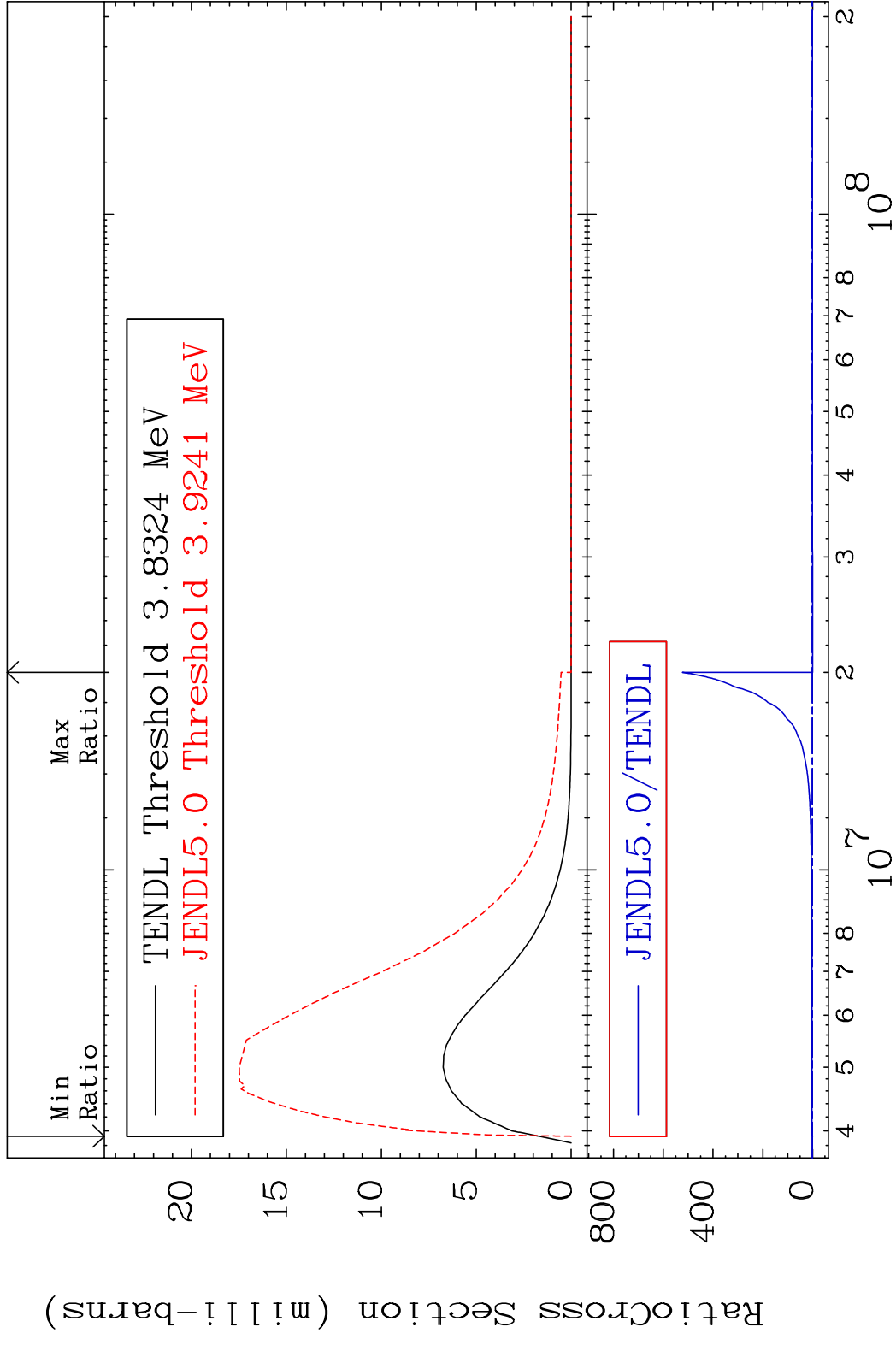
MAT 2028 MT= 69 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



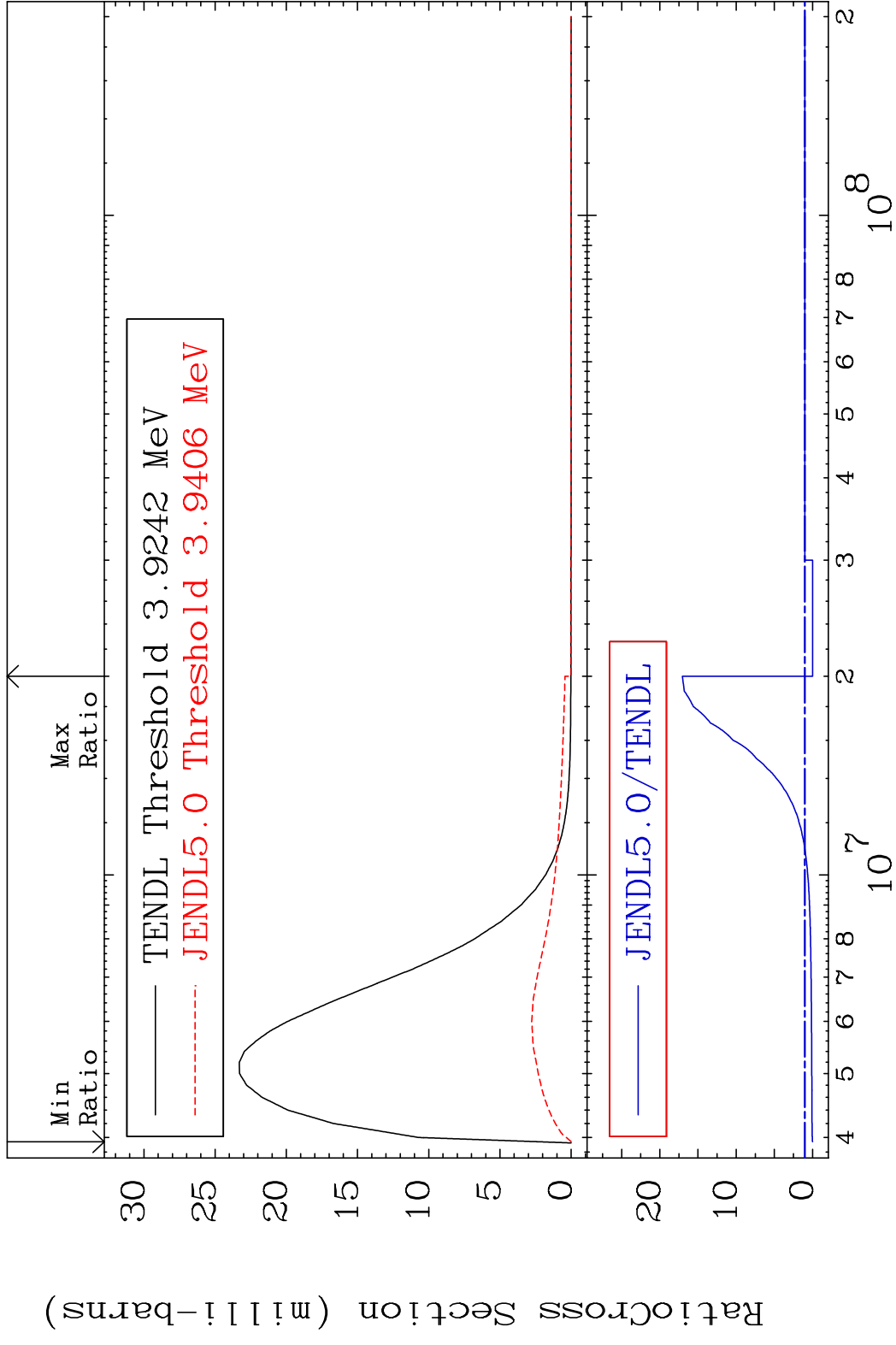
MAT 2028 MT= 70 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



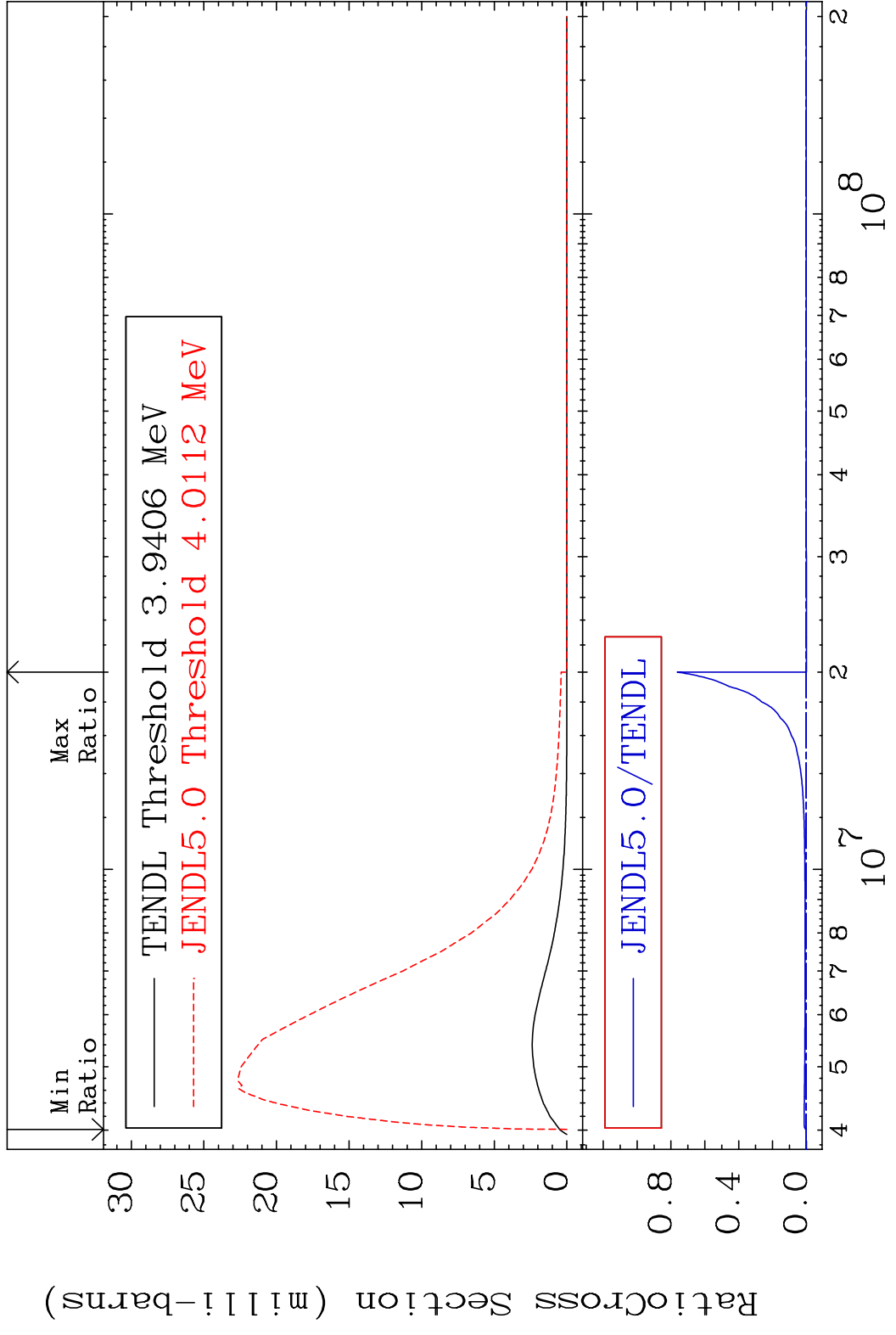
MAT 2028 MT= 71 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



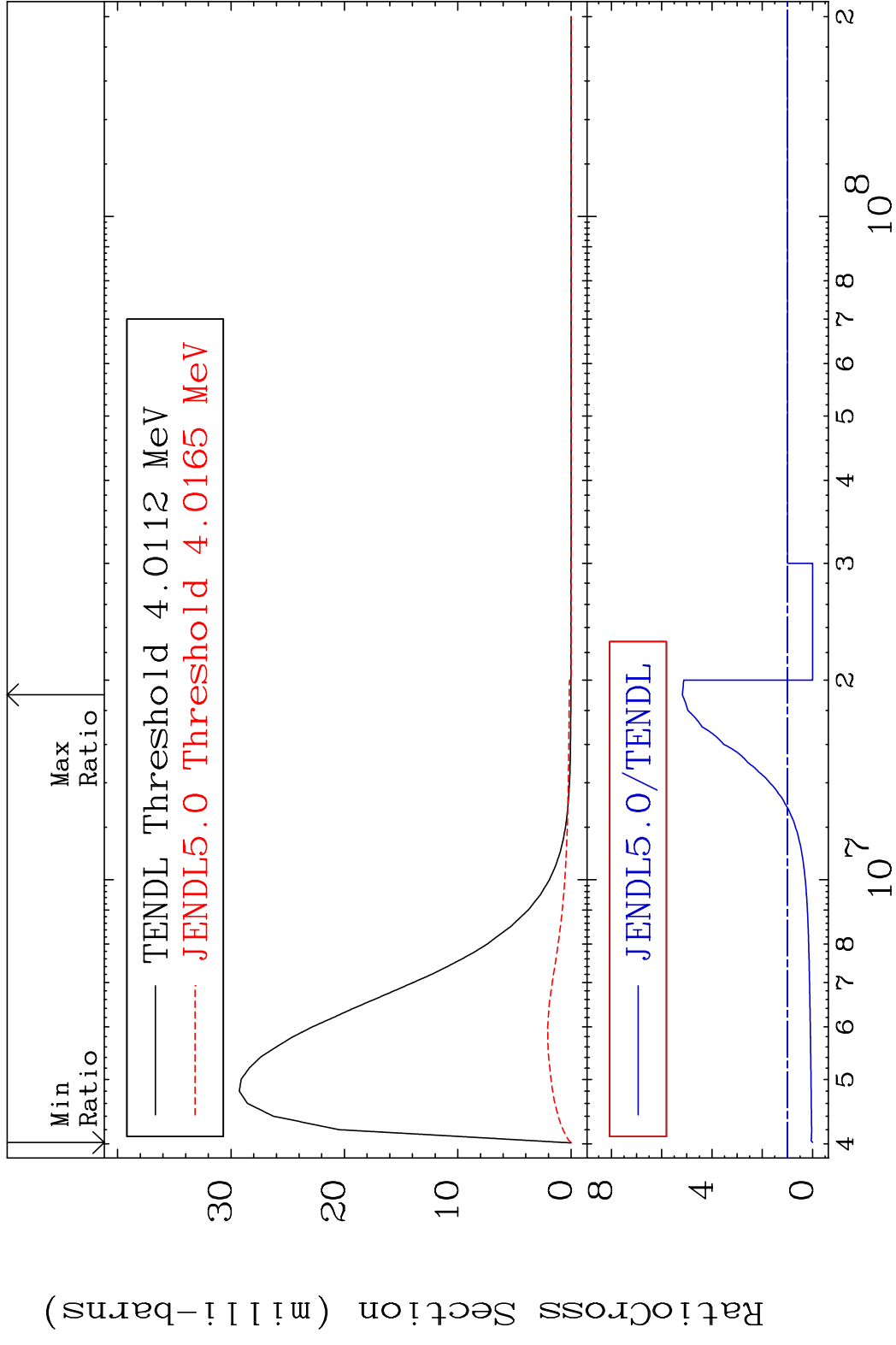
MAT 2028 MT= 72 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 1605. %



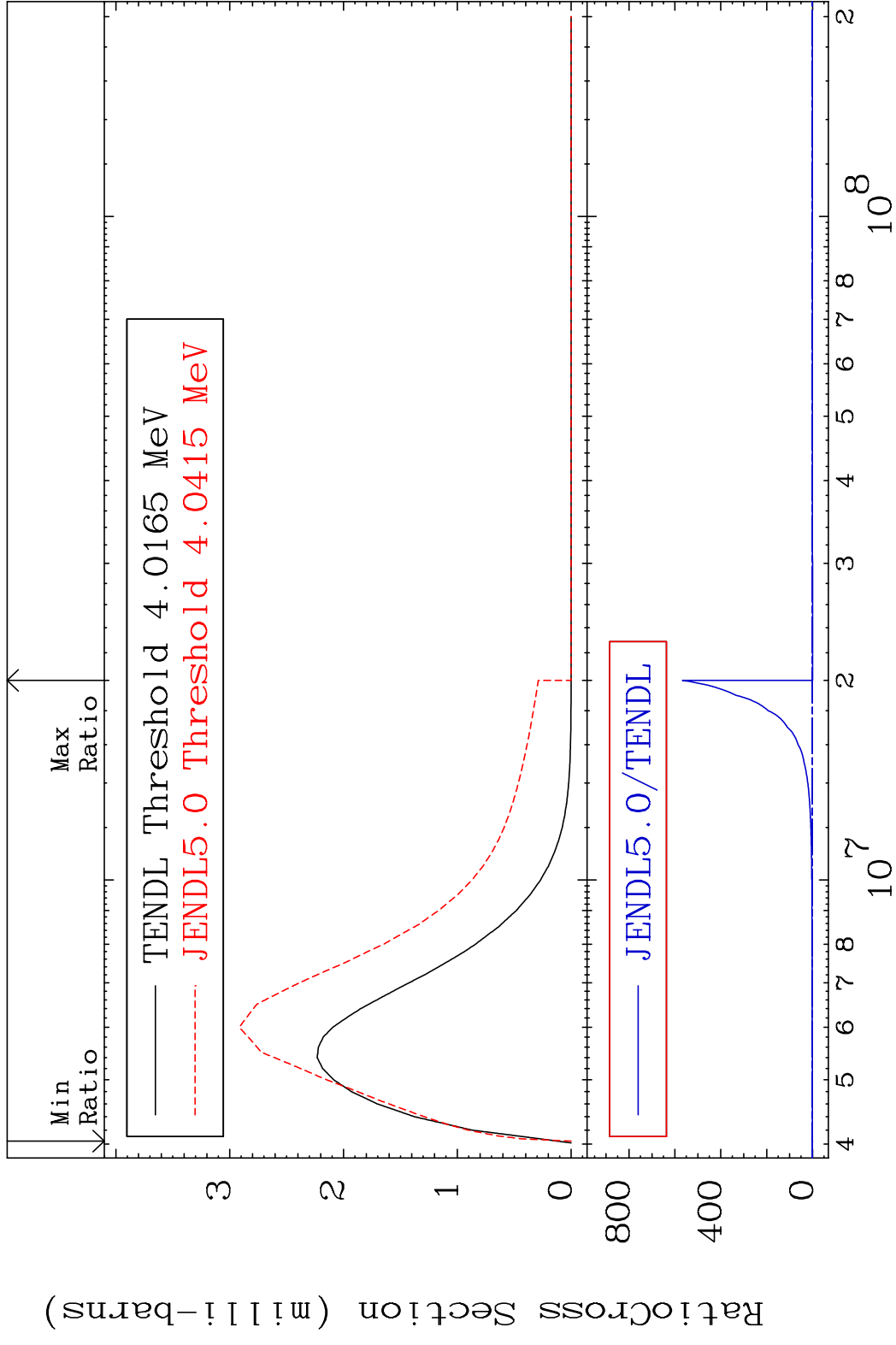
MAT 2028 MT= 73 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



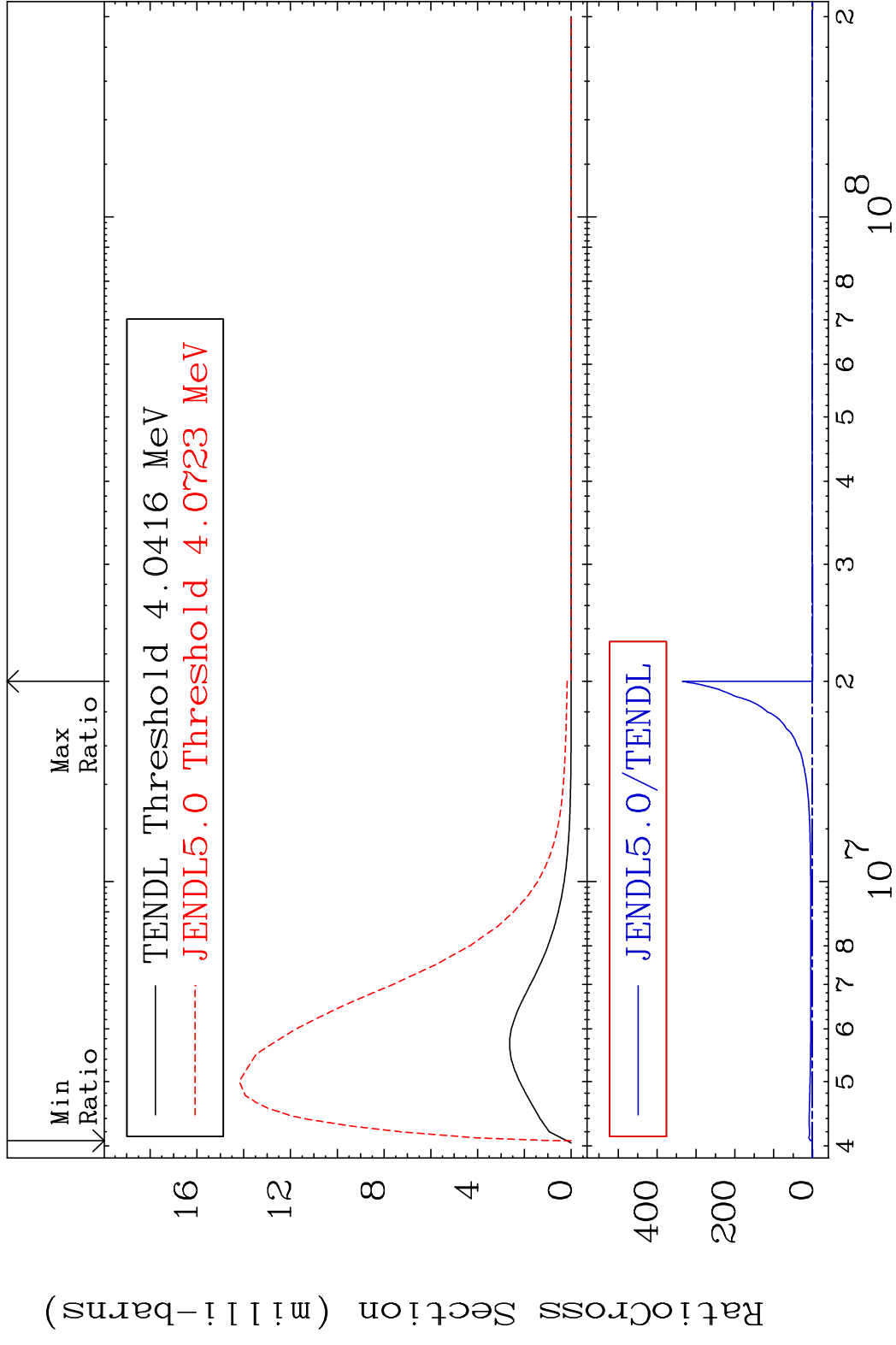
MAT 2028 MT= 74 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 417.7 %



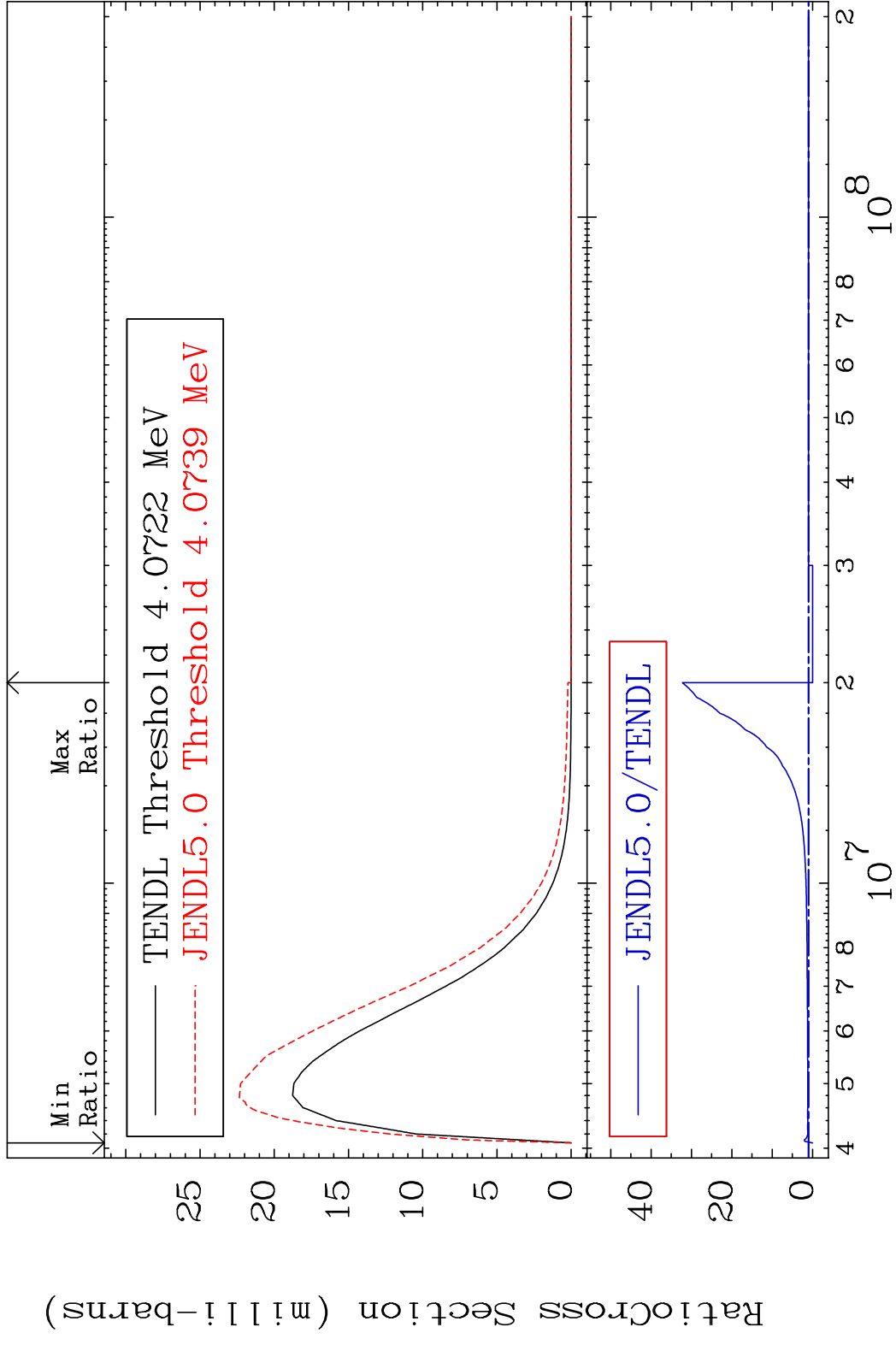
MAT 2028 MT= 75 (n,n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



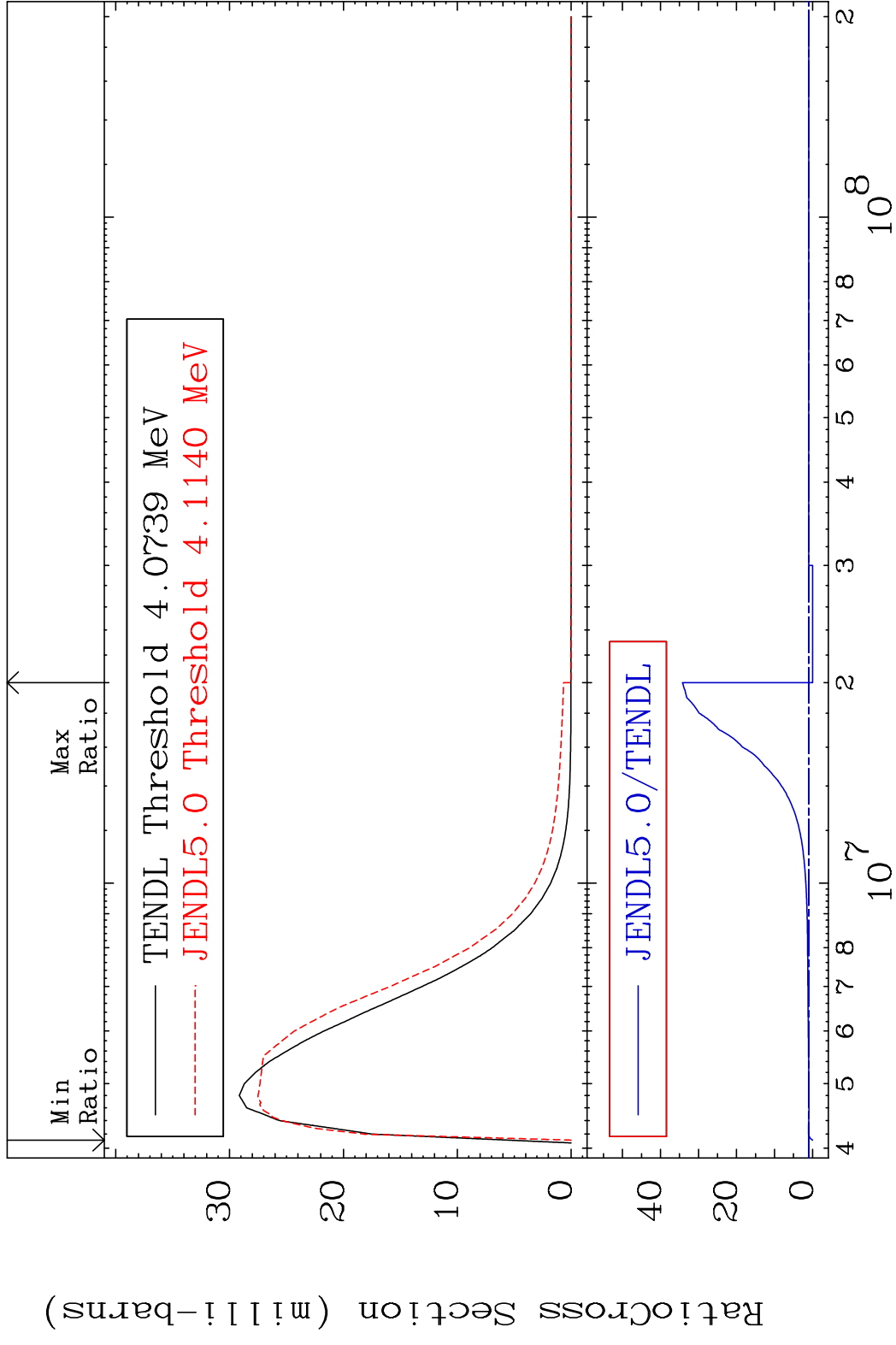
MAT 2028 MT= 76 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 77 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 3125. %

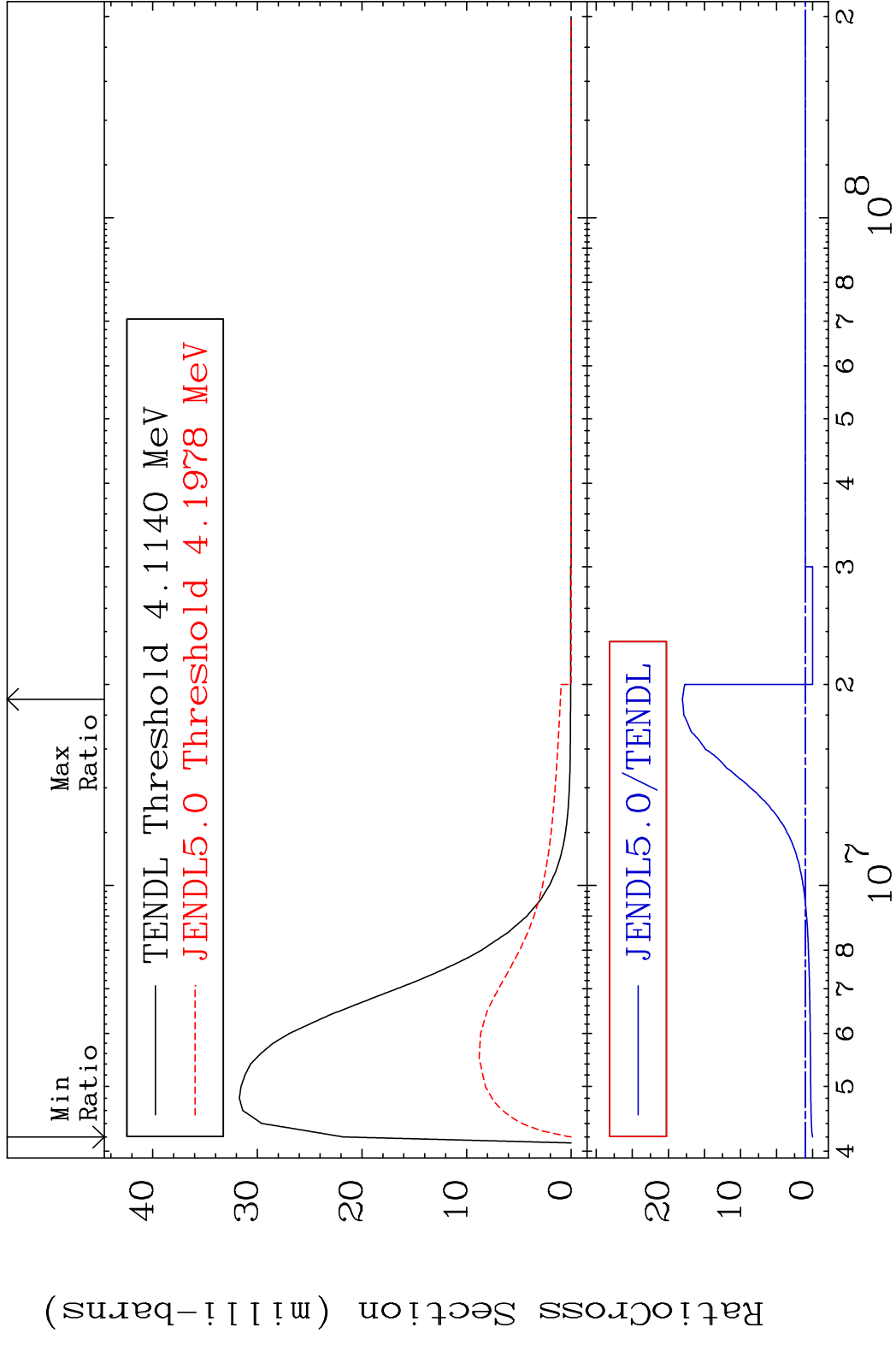


MAT 2028 MT= 78 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 3325. %



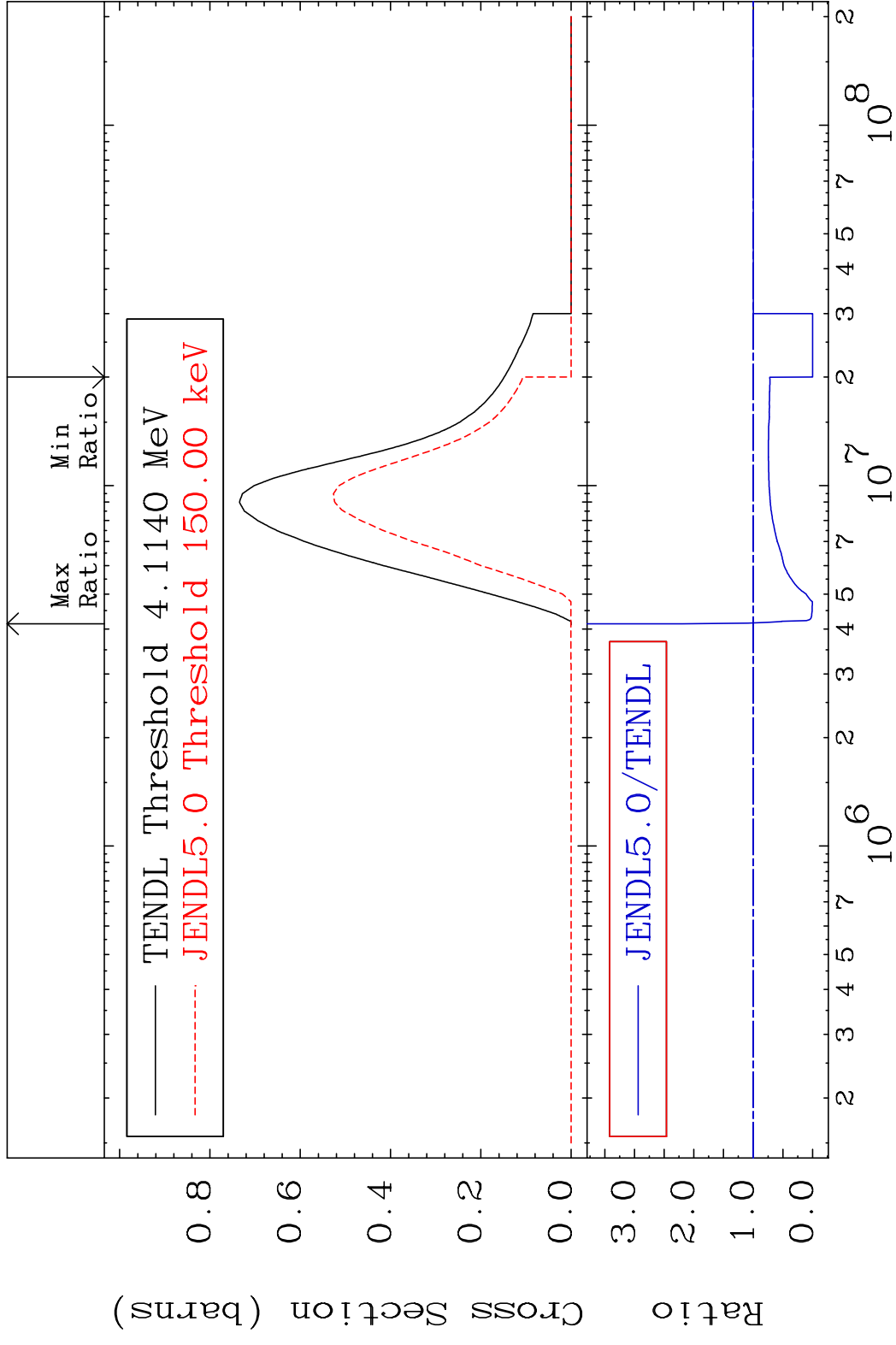
40 20 0 40 20 0

MAT 2028 MT= 79 (n, n') Level 20-Ca-41
 Cross Section -100.0 To 1706. %



41 Incident Energy (eV) 20-Ca-41

Cross Section -100.0 To 119.4 %

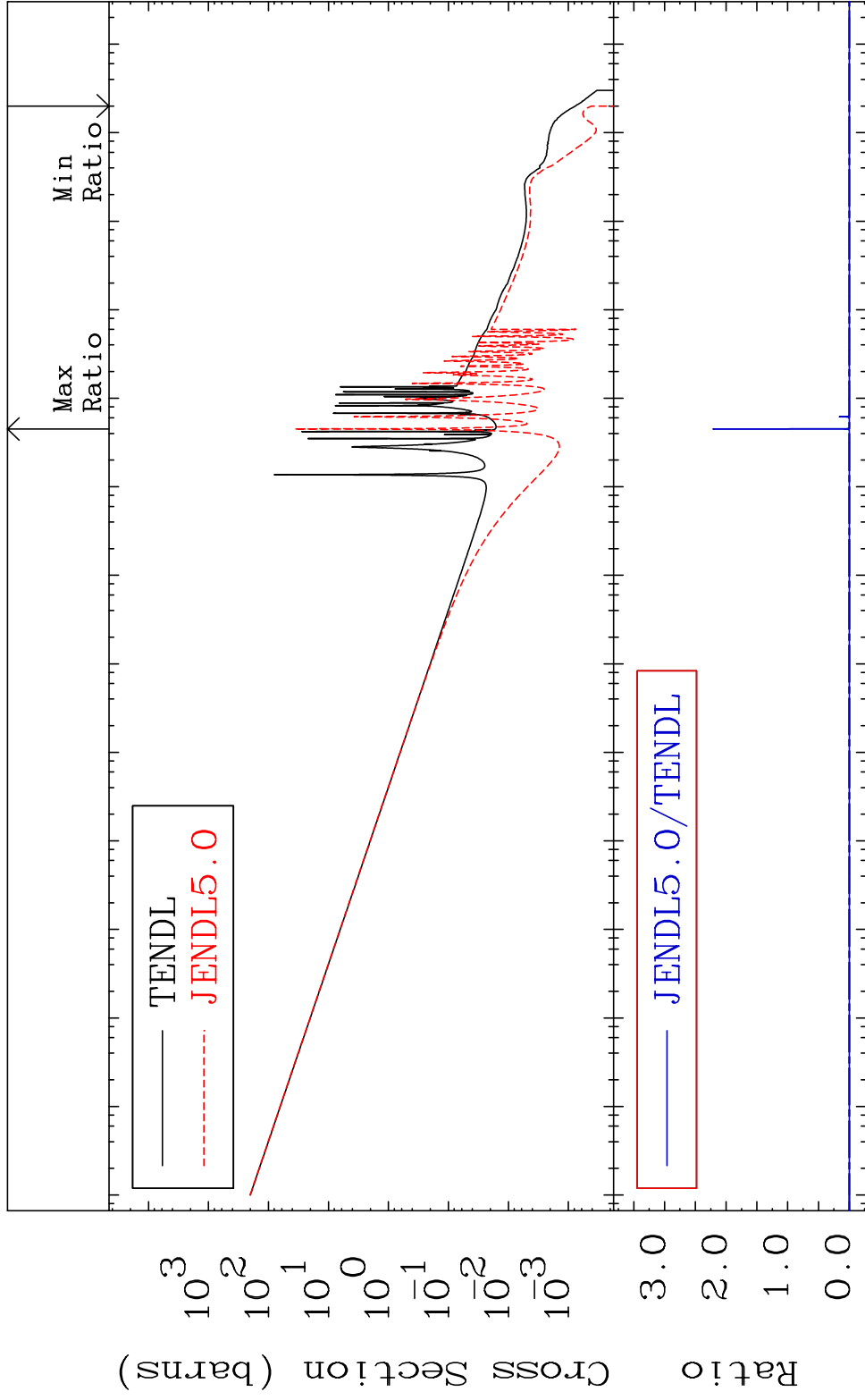


MAT 2028

(n, γ)

20-Ca-41

Cross Section -100.0 To 9999. %



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

43

Incident Energy (eV)

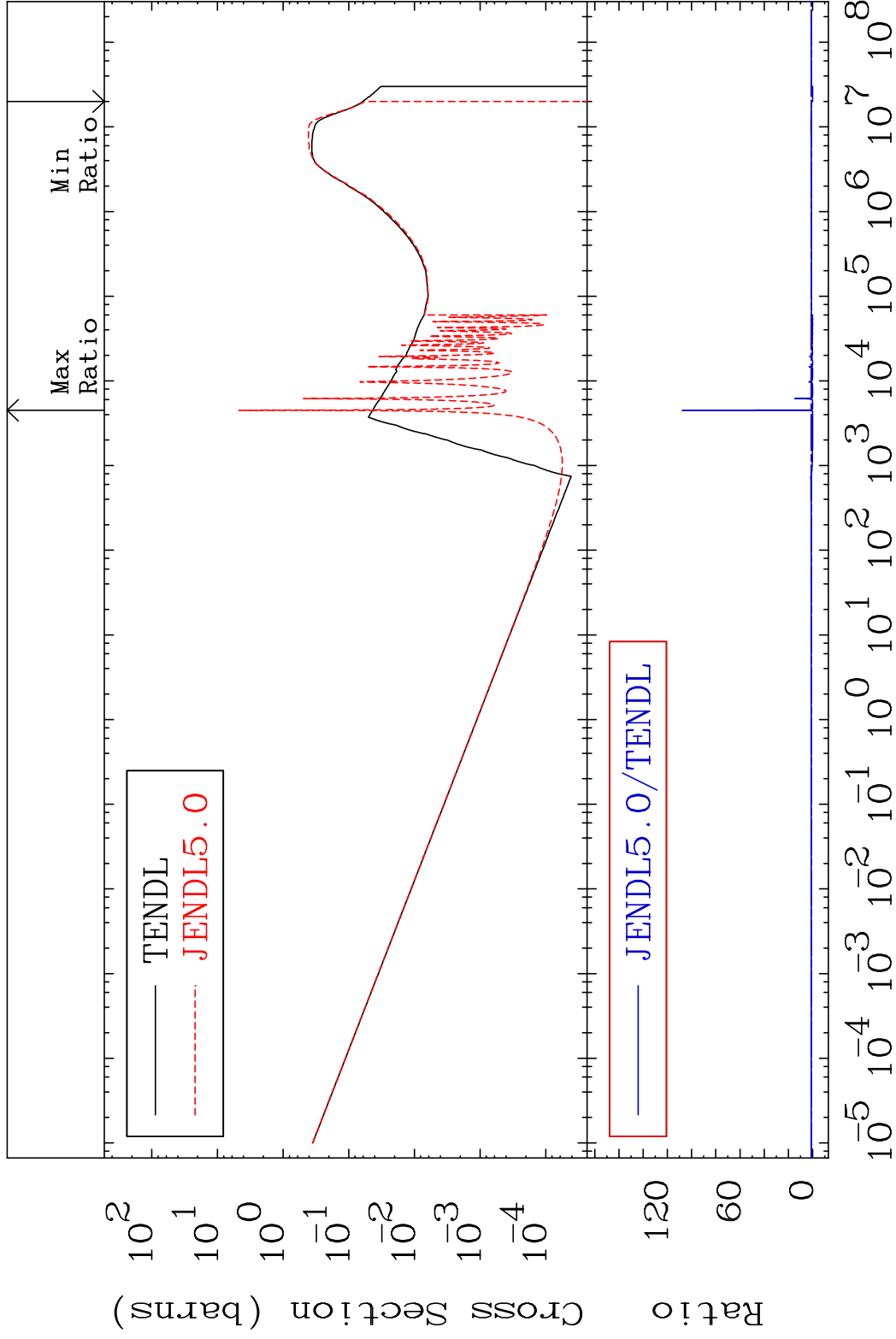
20-Ca-41

MAT 2028

(n, p)

20-Ca-41

Cross Section -100.0 To 9999. %

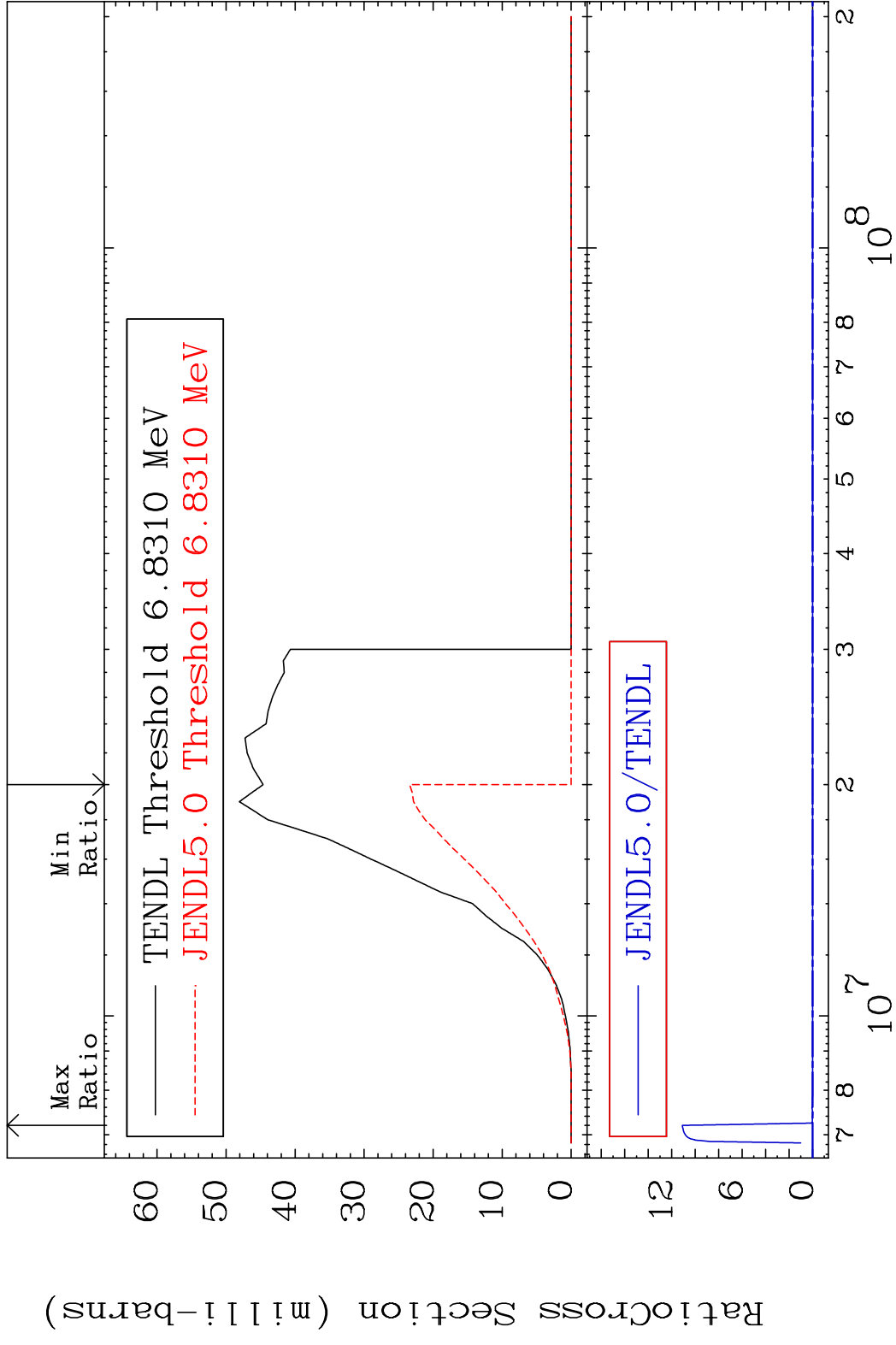


44

Incident Energy (eV)

20-Ca-41

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

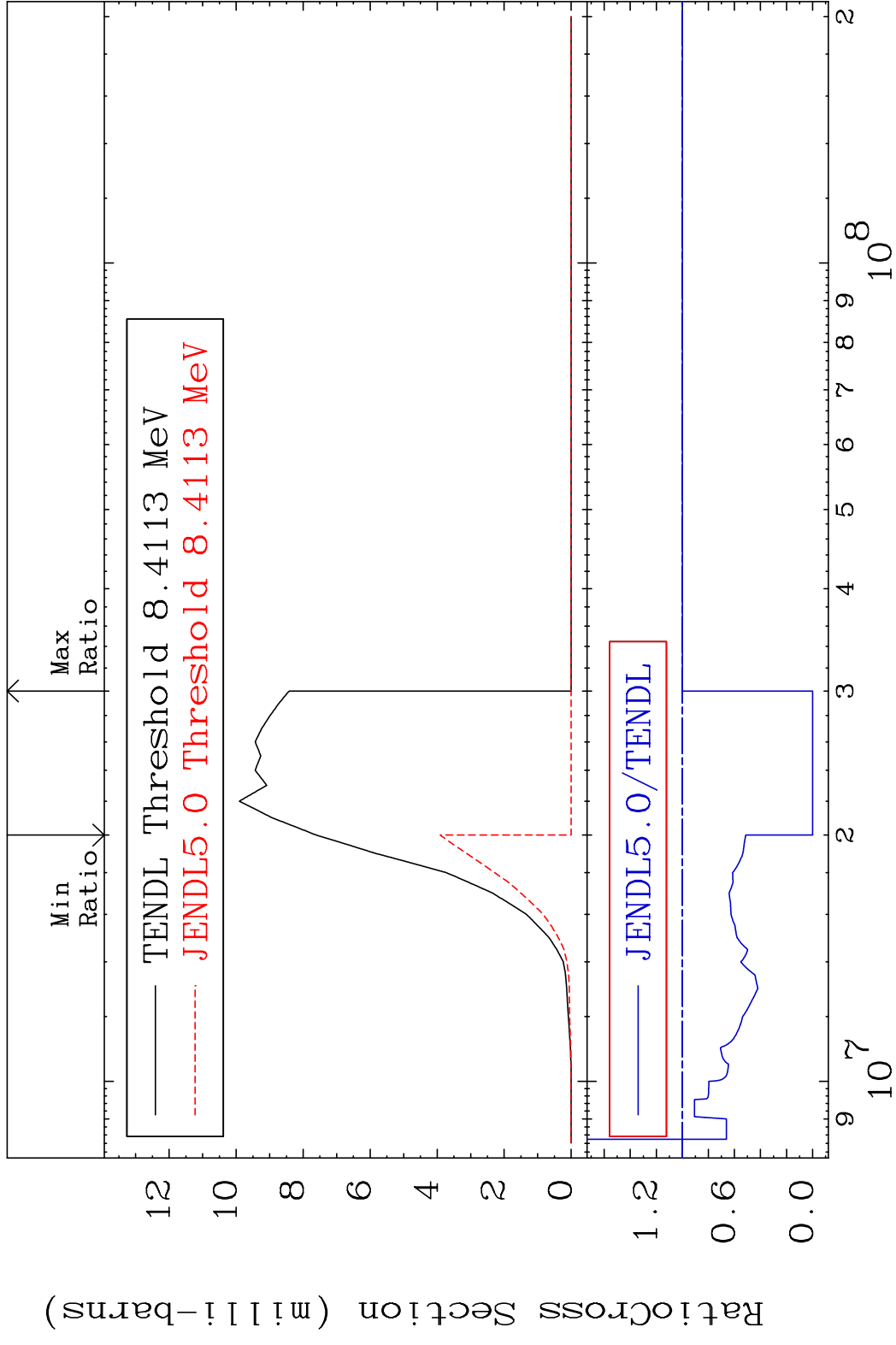


MAT 2028

(n, t)

20-Ca-41

Cross Section -100.0 To 0.000 %



46

Incident Energy (eV)

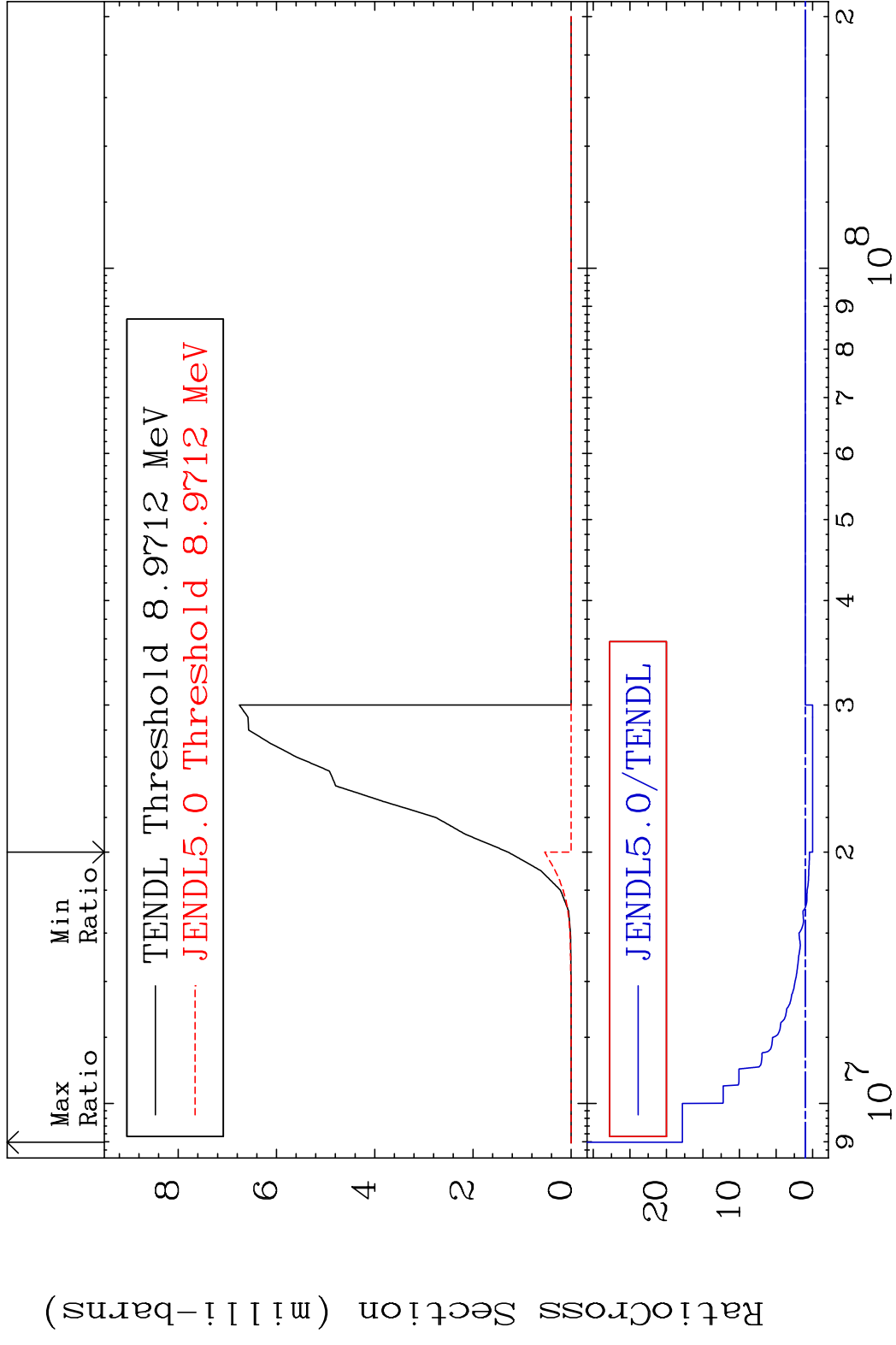
20-Ca-41

MAT 2028

(n, He-3)

20-Ca-41

Cross Section -100.0 To 1681. %



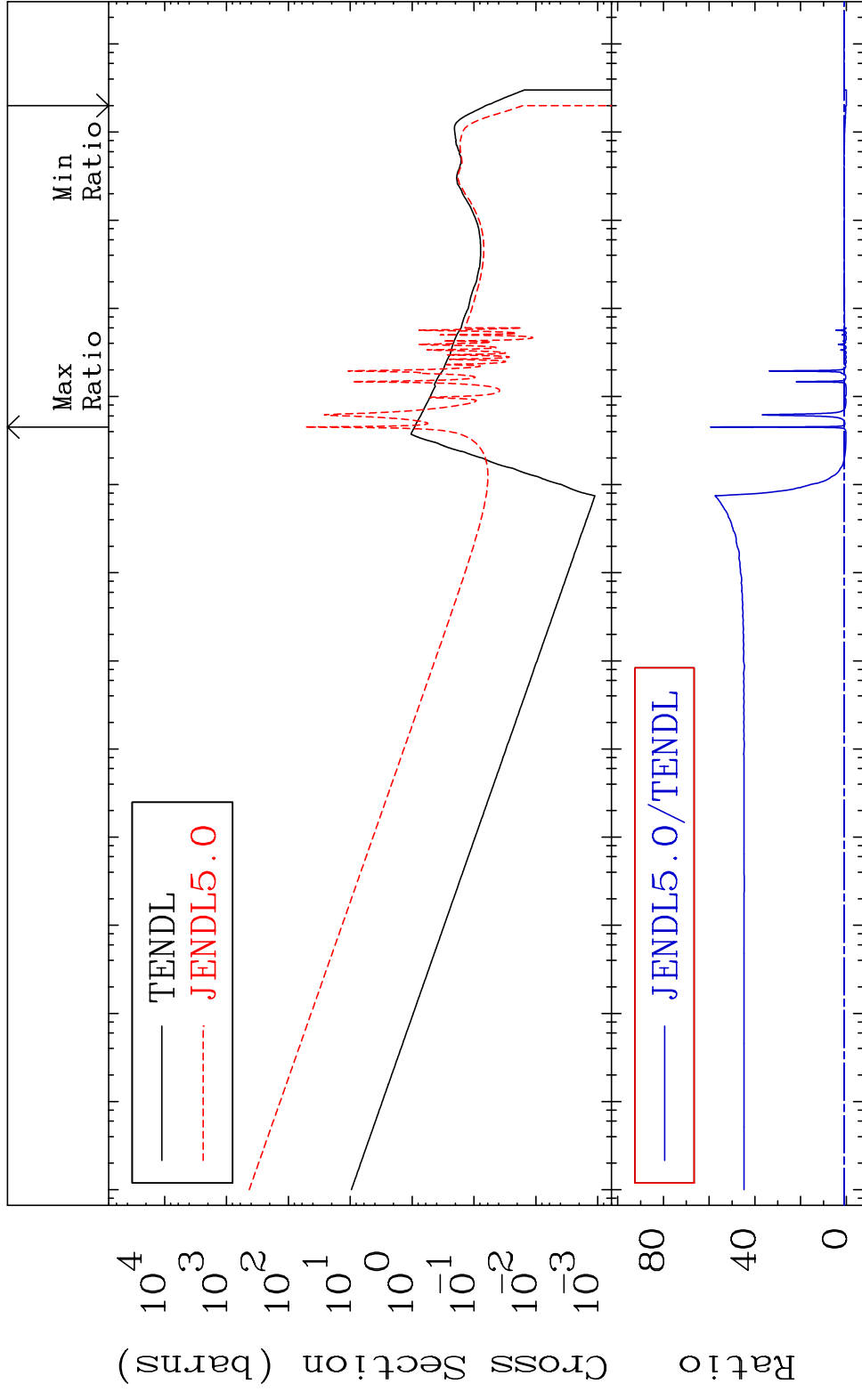
47

Incident Energy (eV)

20-Ca-41

MAT 2028

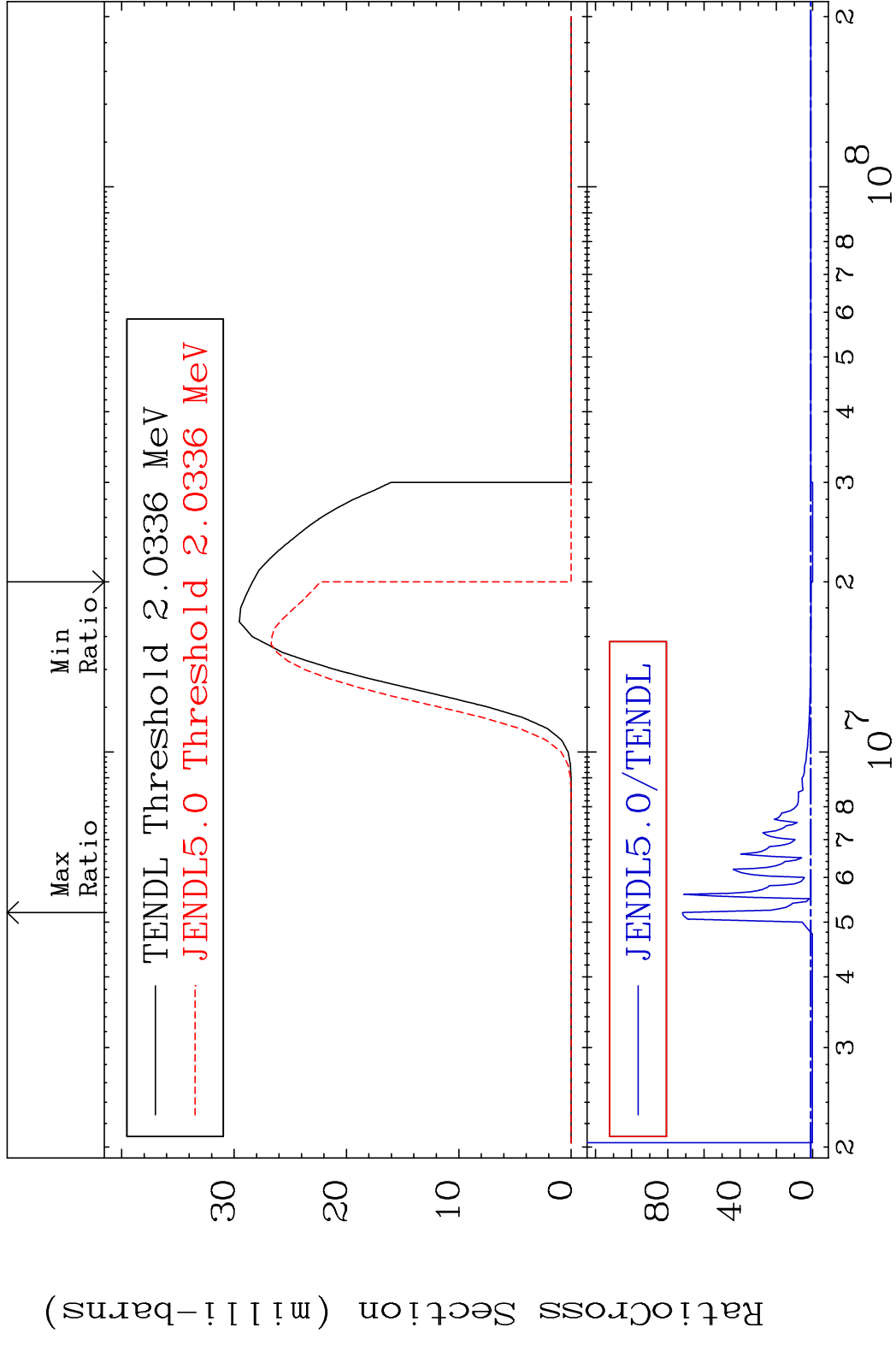
(n, α)
Cross Section -100.0 To 5832. %
20-Ca-41



48

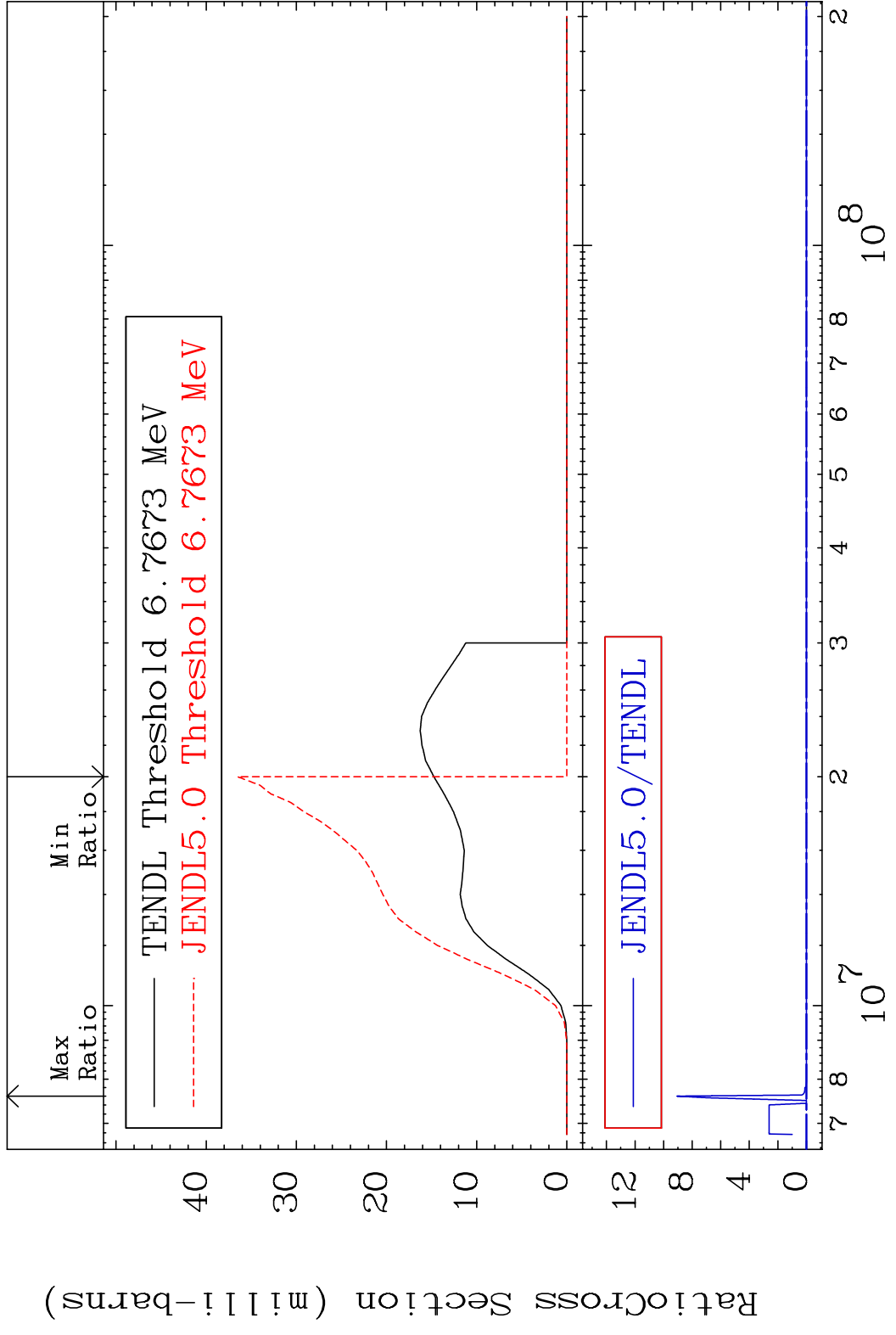
Incident Energy (eV) 20-Ca-41

MAT 2028 (n,2α) 20-Ca-41
 Cross Section -100.0 To 7097. %



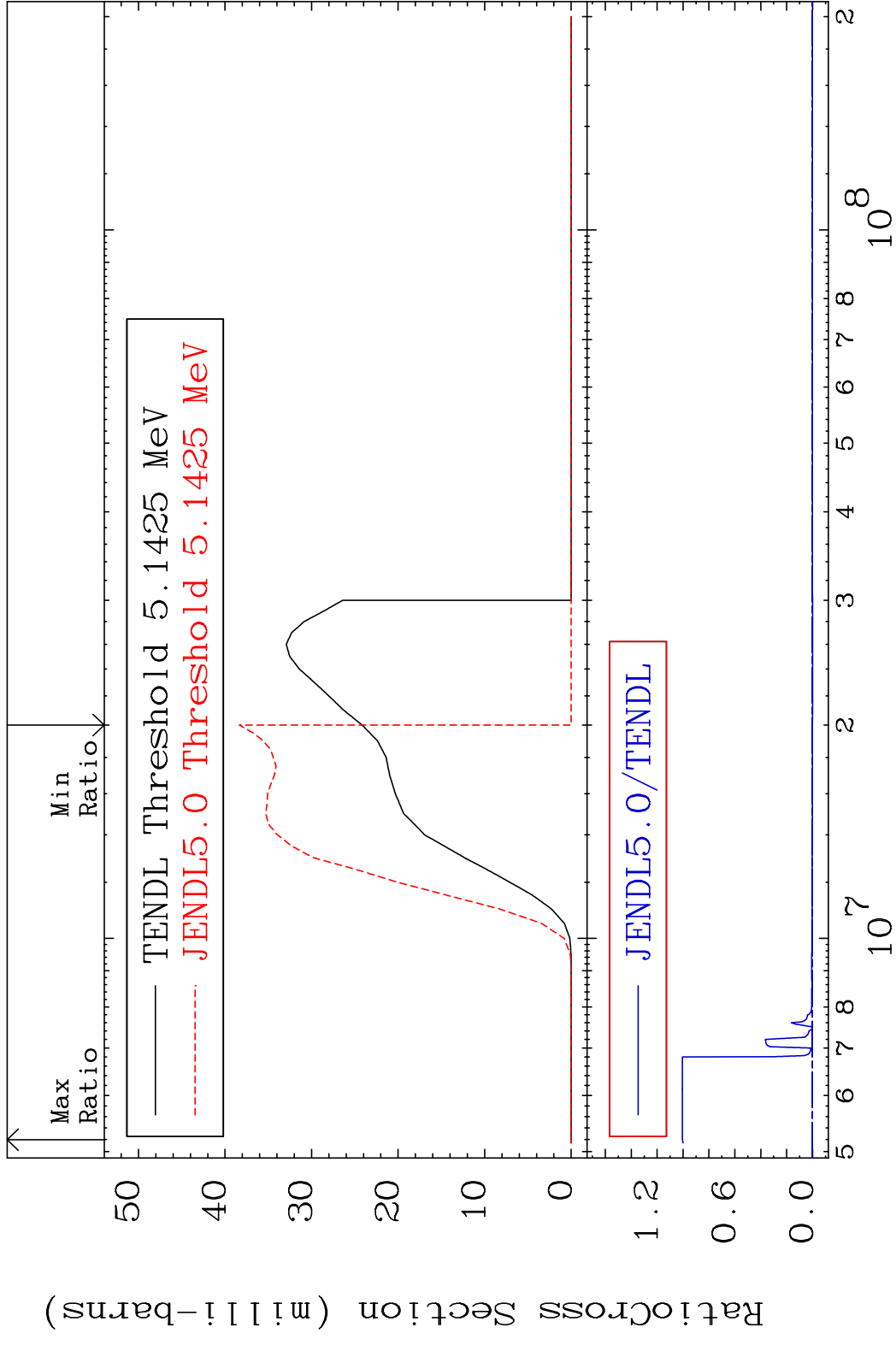
49 Incident Energy (eV) 20-Ca-41

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

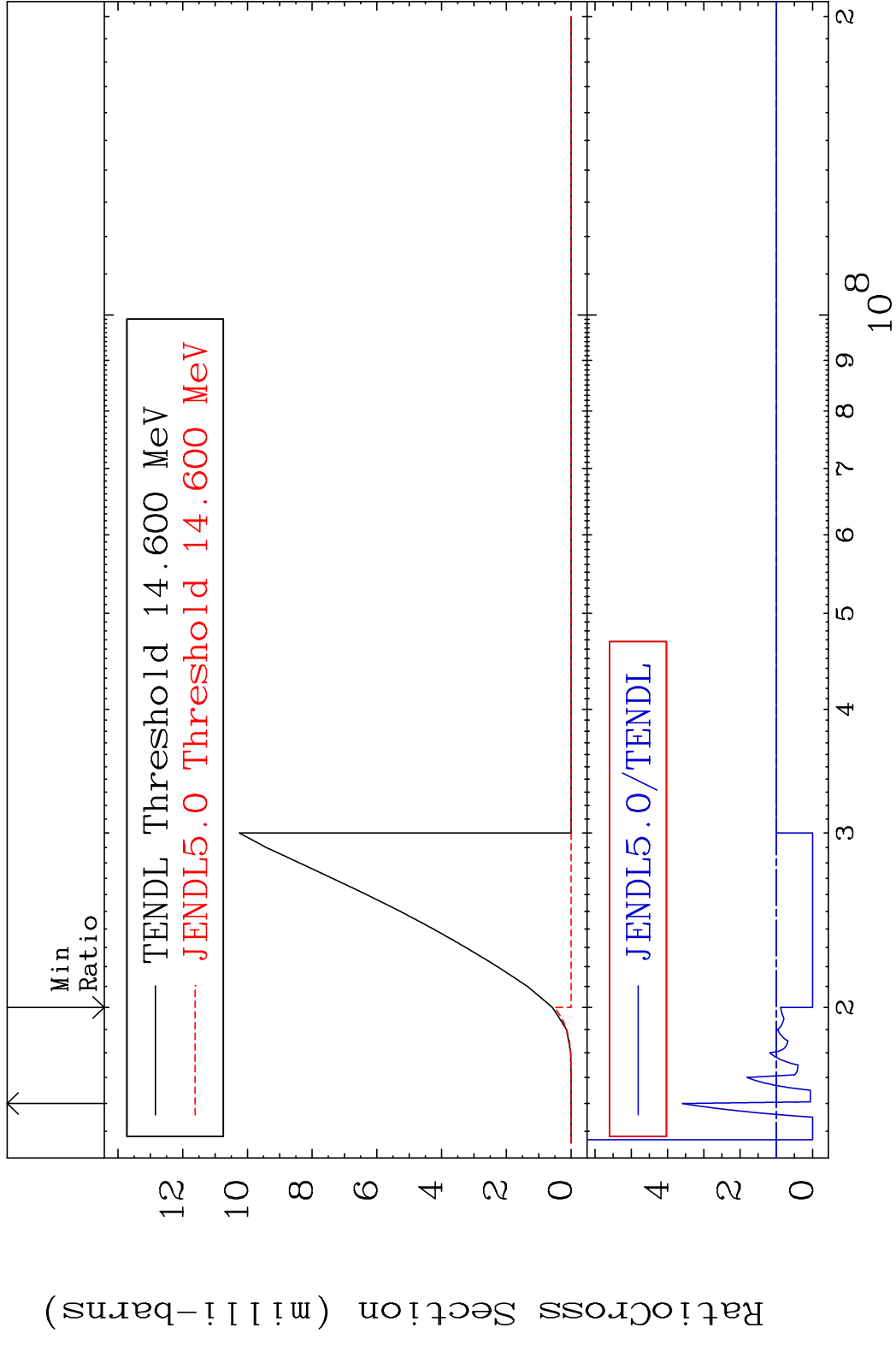


50 Incident Energy (eV) 20-Ca-41

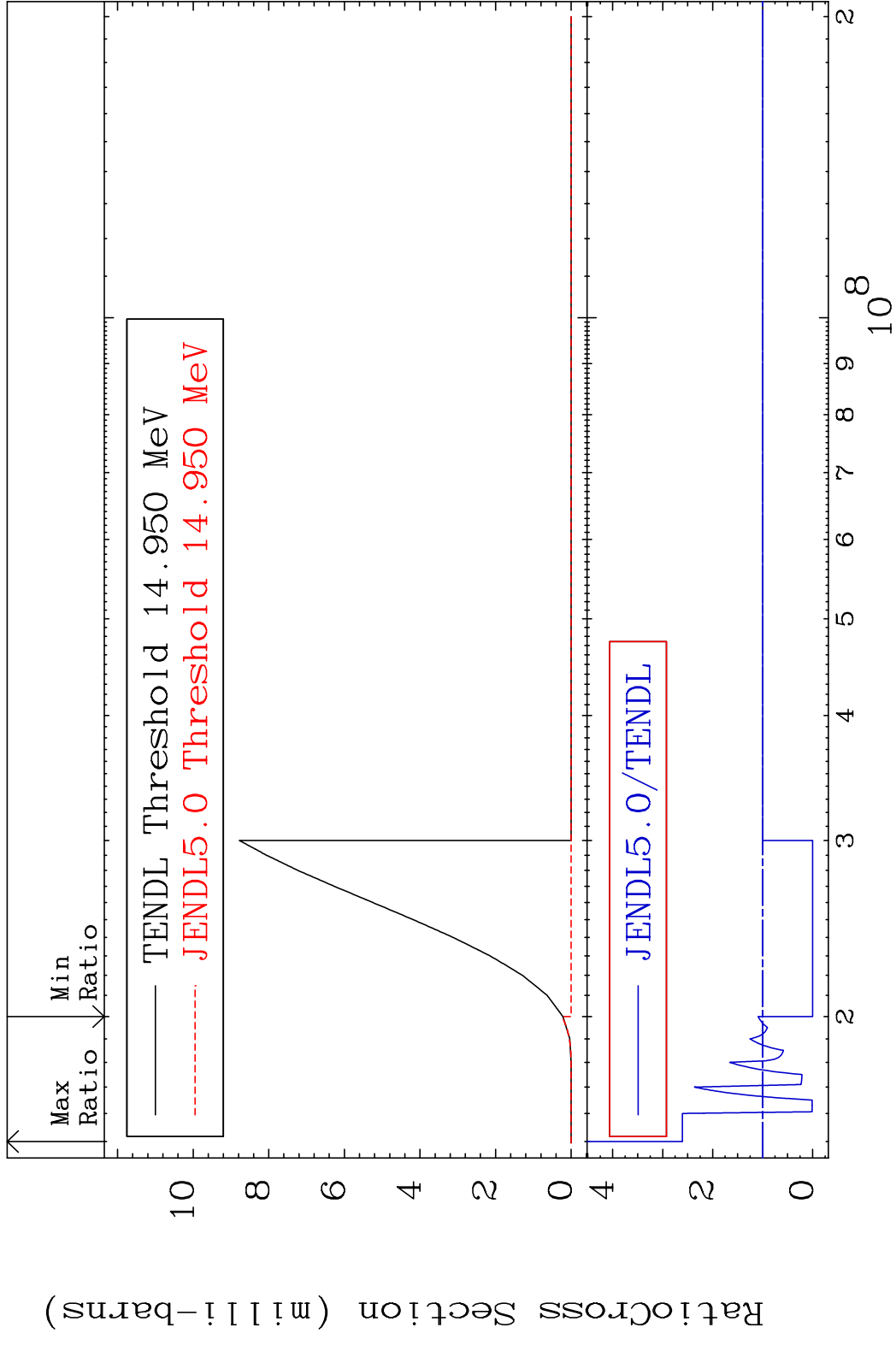
MAT 2028 (n,p) α 20-Ca-41
 Cross Section -100.0 To 9999. %



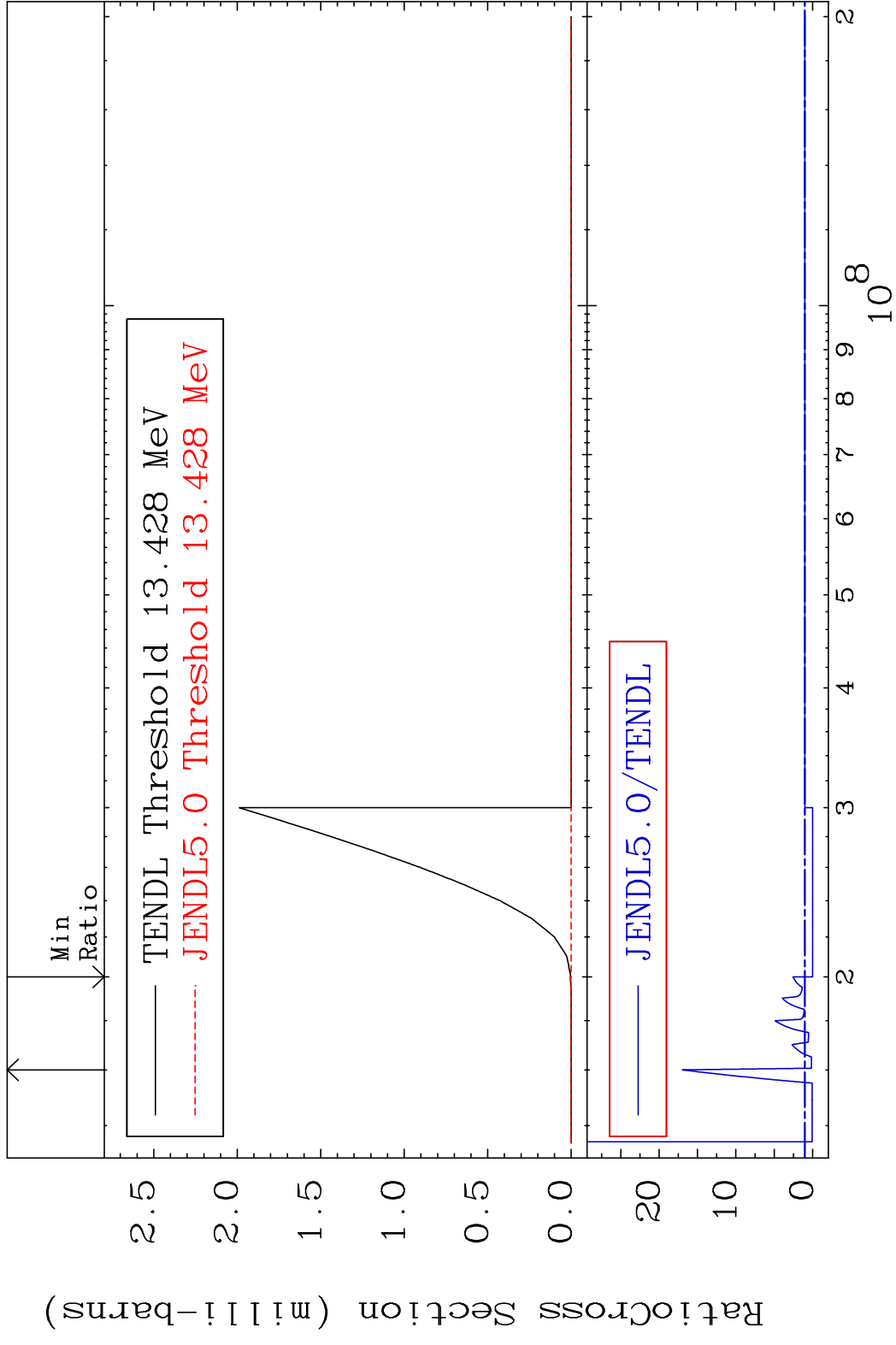
MAT 2028 (n,p) d 20-Ca-41
 Cross Section -100.0 To 259.1 %

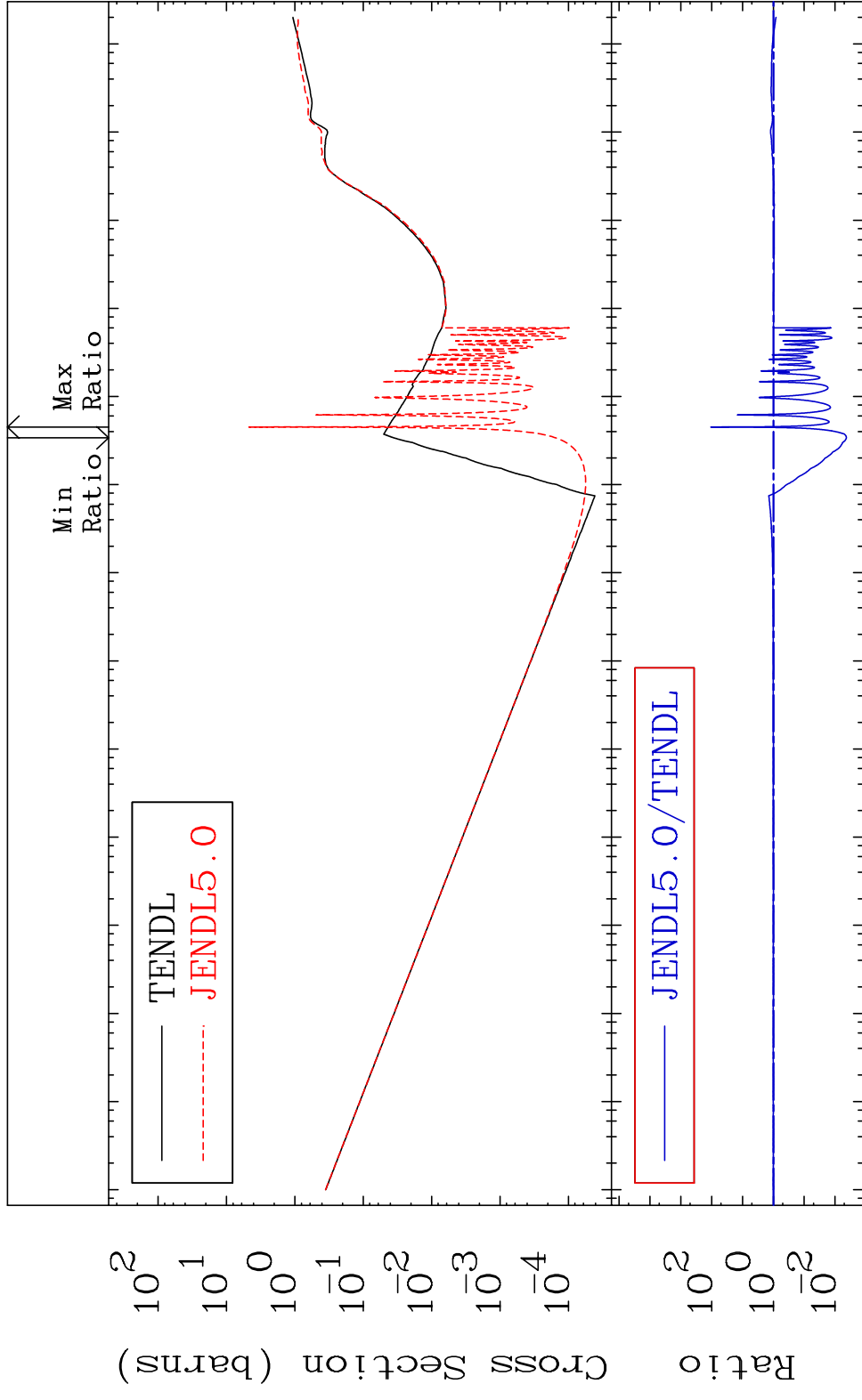


MAT 2028 (n,p) t 20-Ca-41
 Cross Section -100.0 To 160.6 %

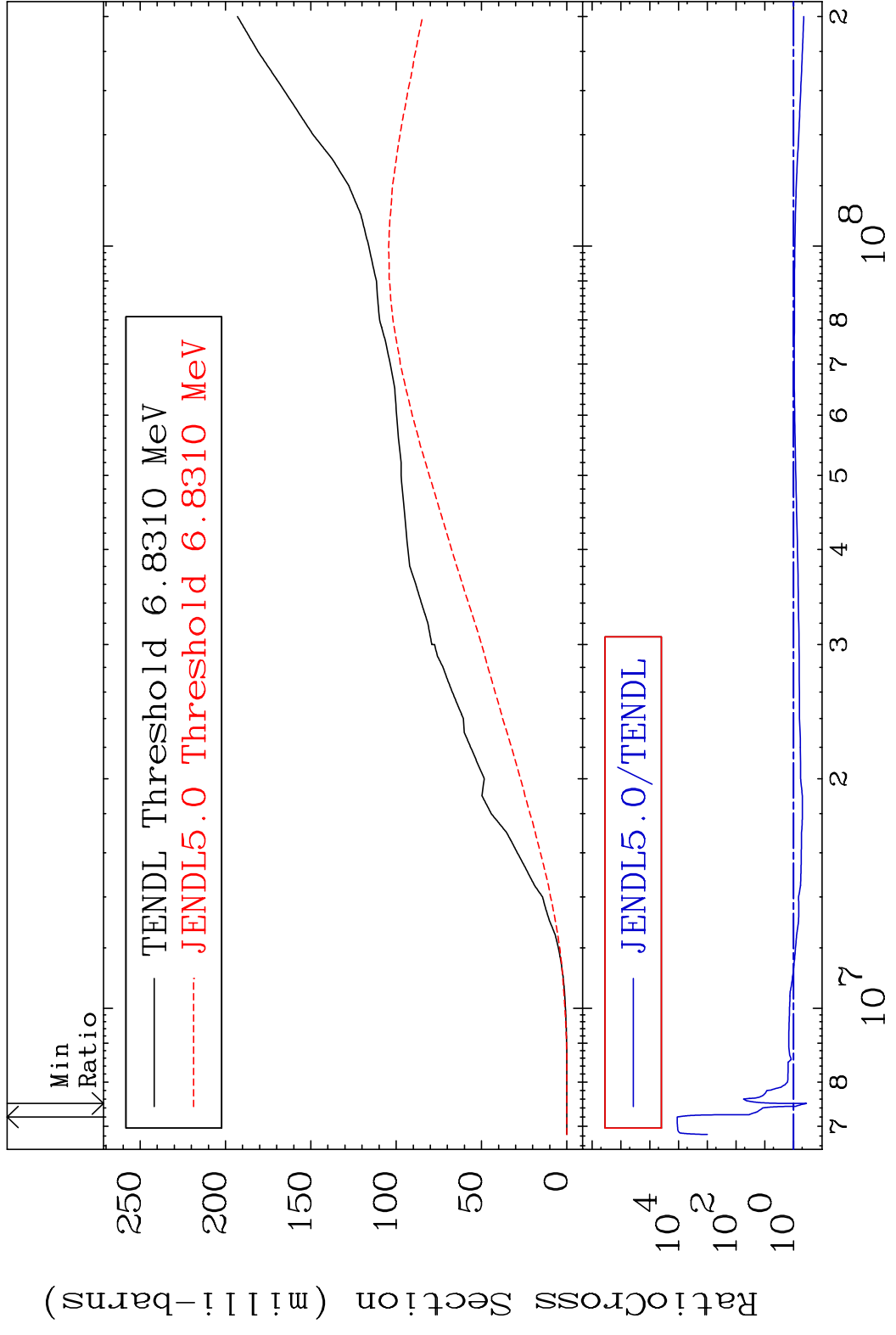


MAT 2028 (n,d) α 20-Ca-41
 Cross Section -100.0 To 1598. %



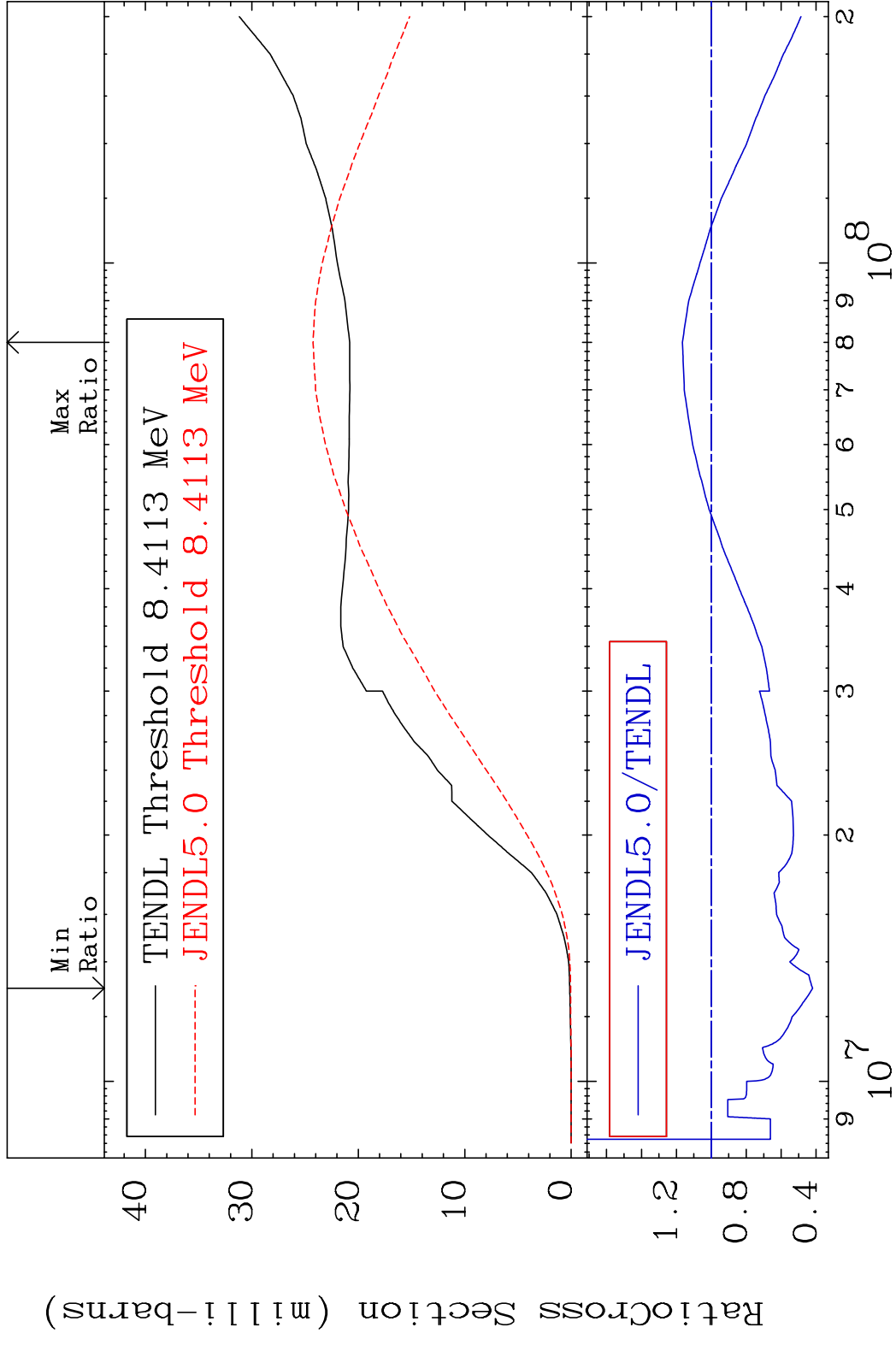


MAT 2028 Deuterium Production 20-Ca-41
 Cross Section -64.42 To 9999. %

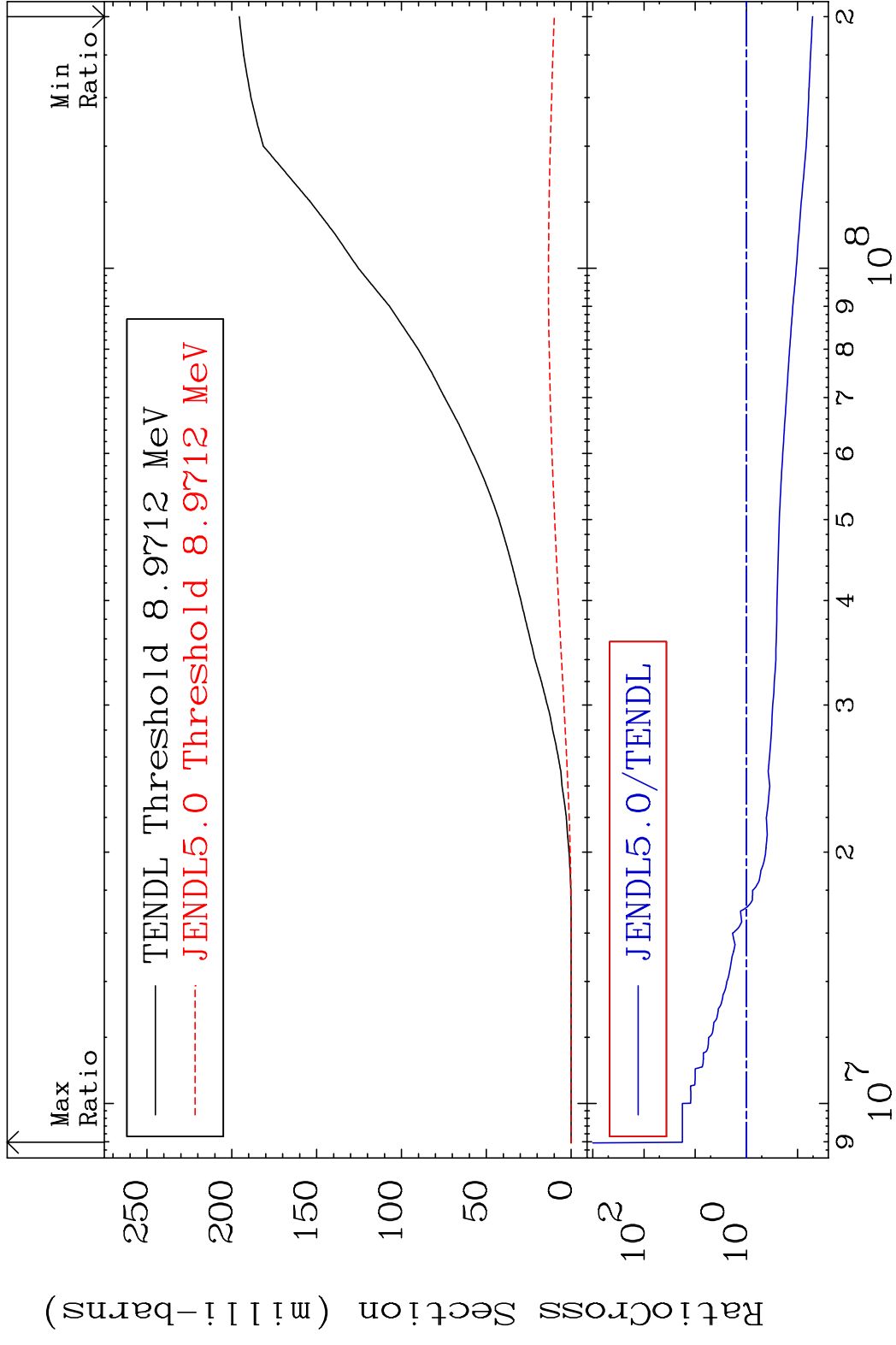


56 Incident Energy (eV) 20-Ca-41

MAT 2028 Tritium Production 20-Ca-41
 Cross Section -57.97 To 16.59 %

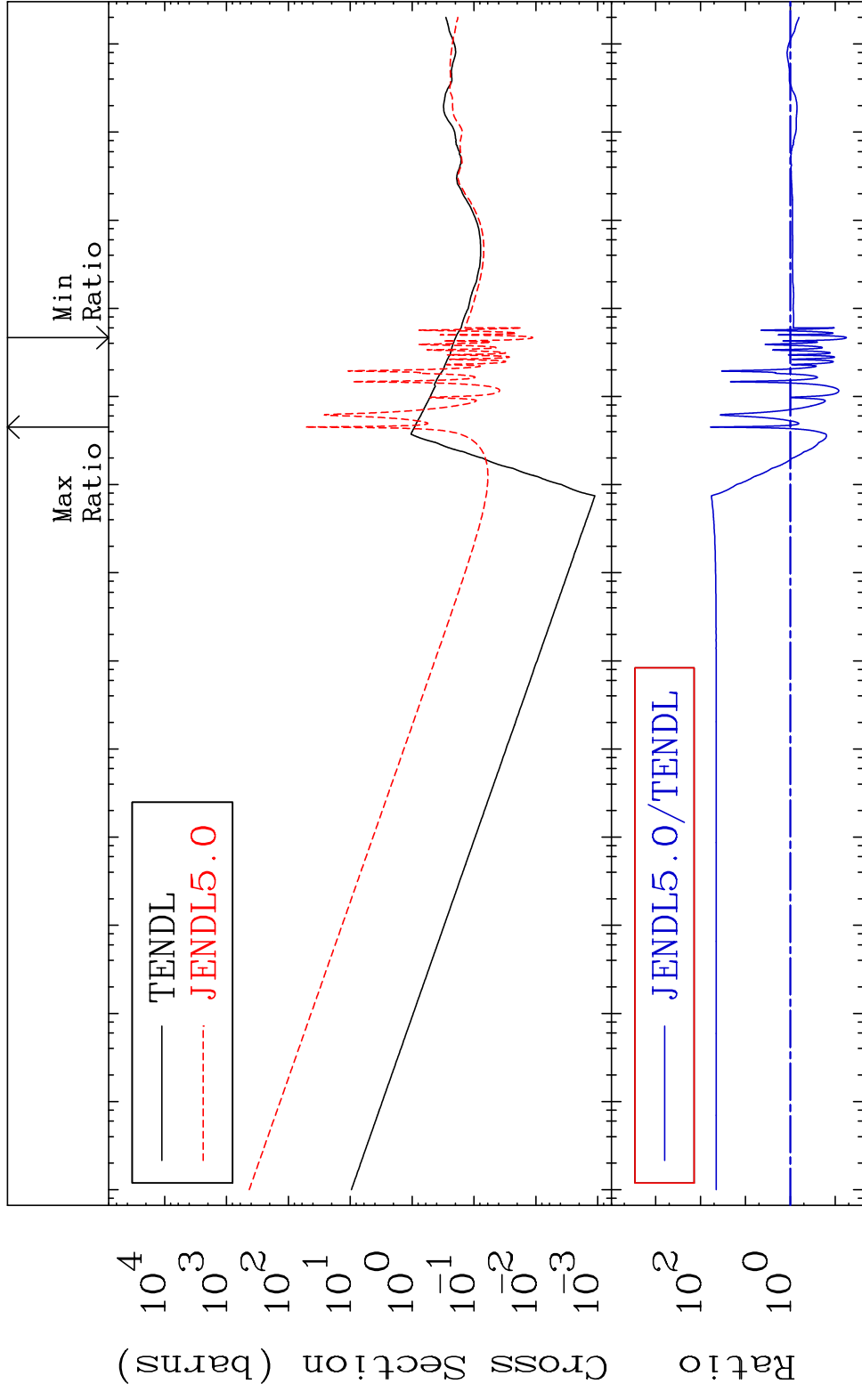


MAT 2028 He-3 Production 20-Ca-41
 Cross Section -94.88 To 1681. %



58 Incident Energy (eV) 20-Ca-41

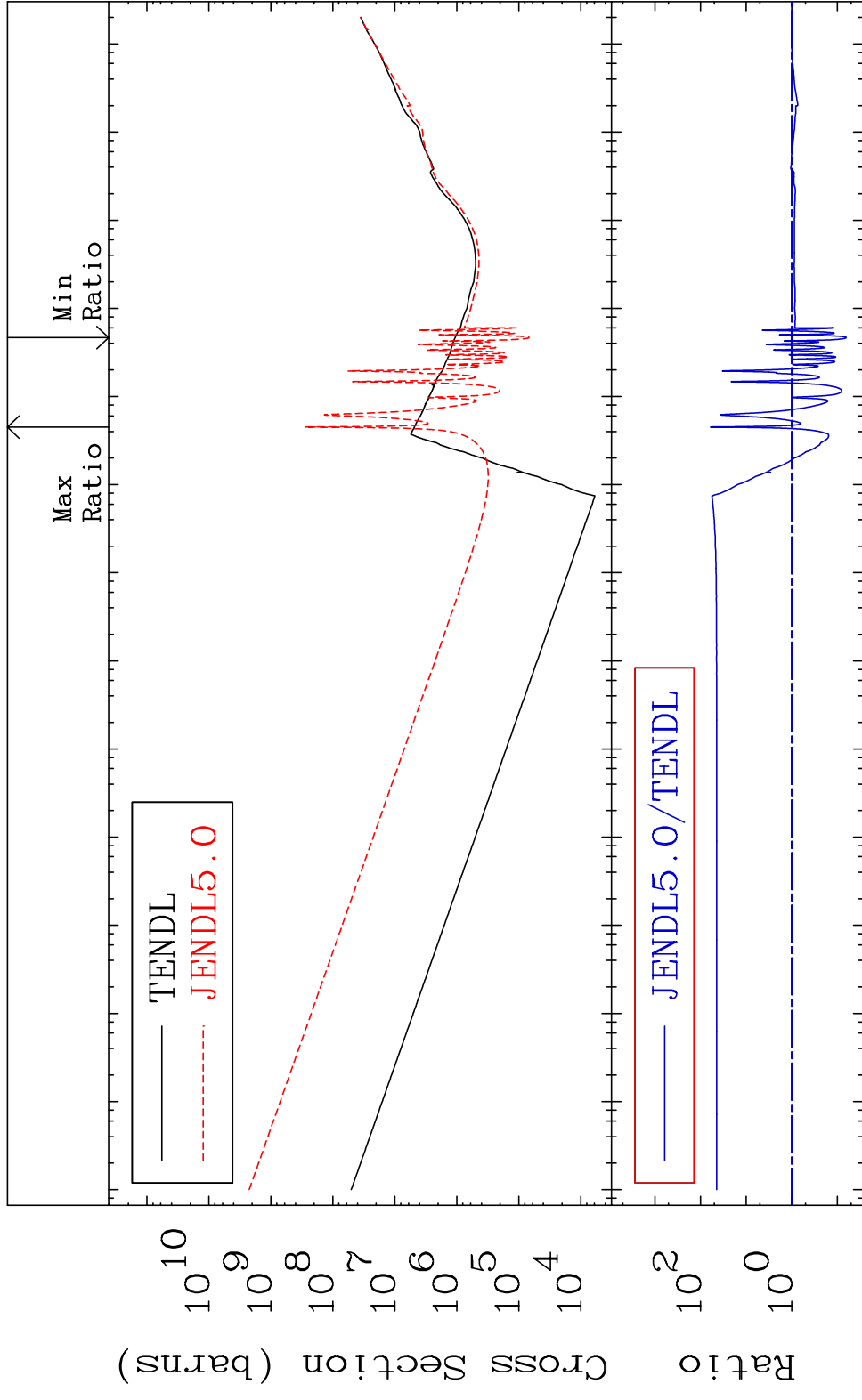
Cross Section -94.33 To 5832. %



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

MAT 2028

Kerma total (eV-barns) 20-Ca-41
Cross Section -93.60 To 5871. %



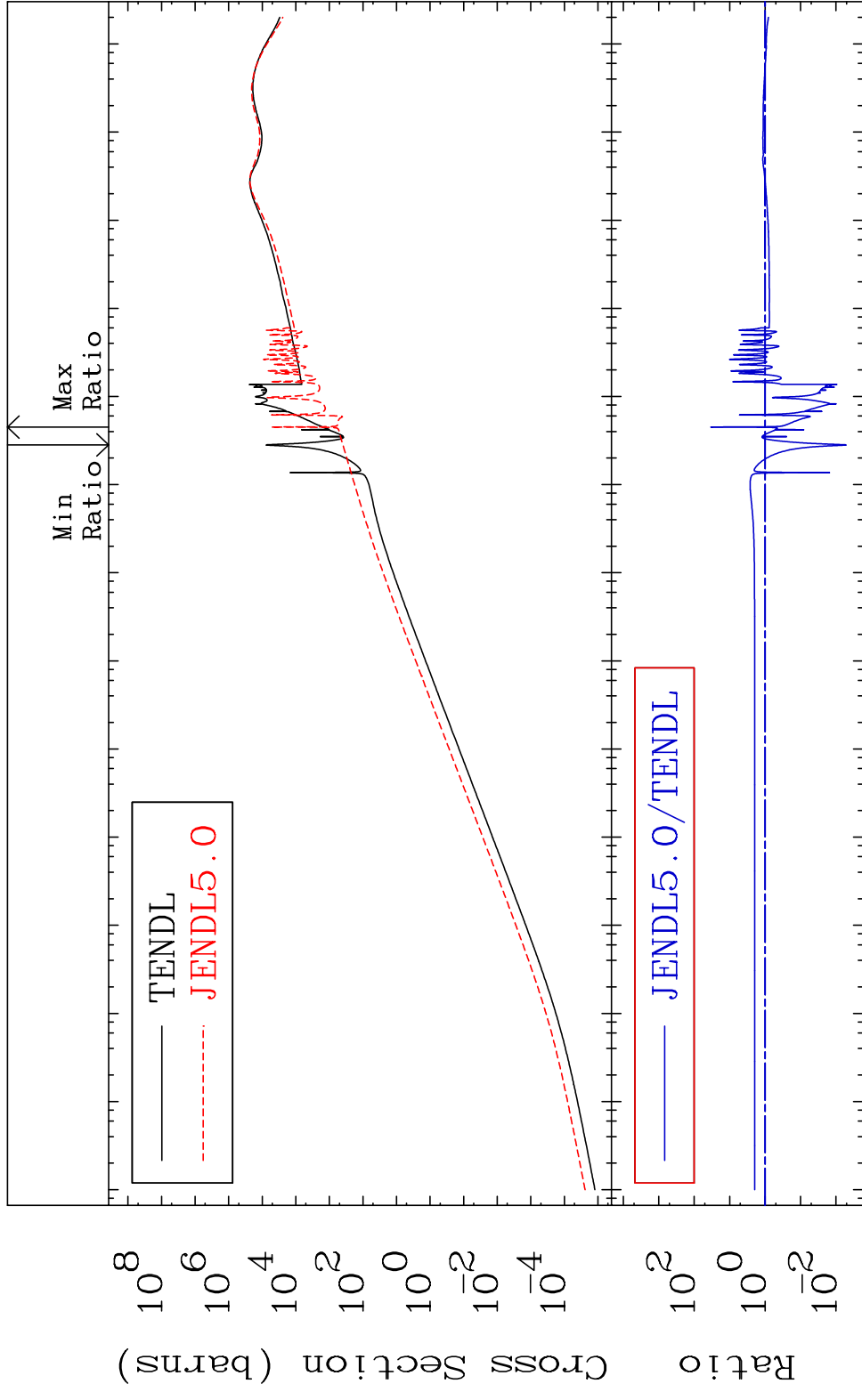
60

Incident Energy (eV) 20-Ca-41

MAT 2028

Kerma elastic
Cross Section

20-Ca-41
-99.49 To 3325. %



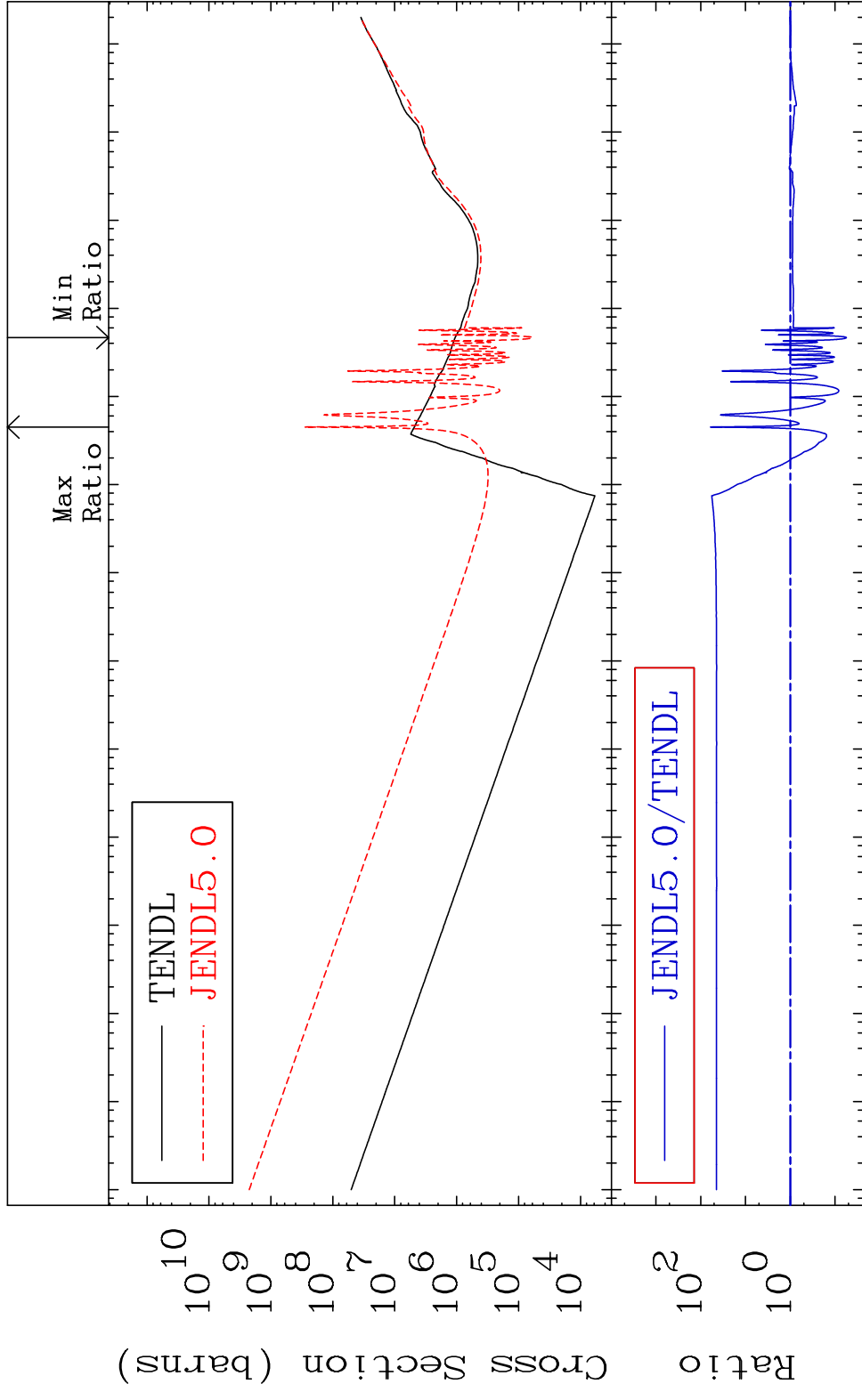
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

61

Incident Energy (eV)

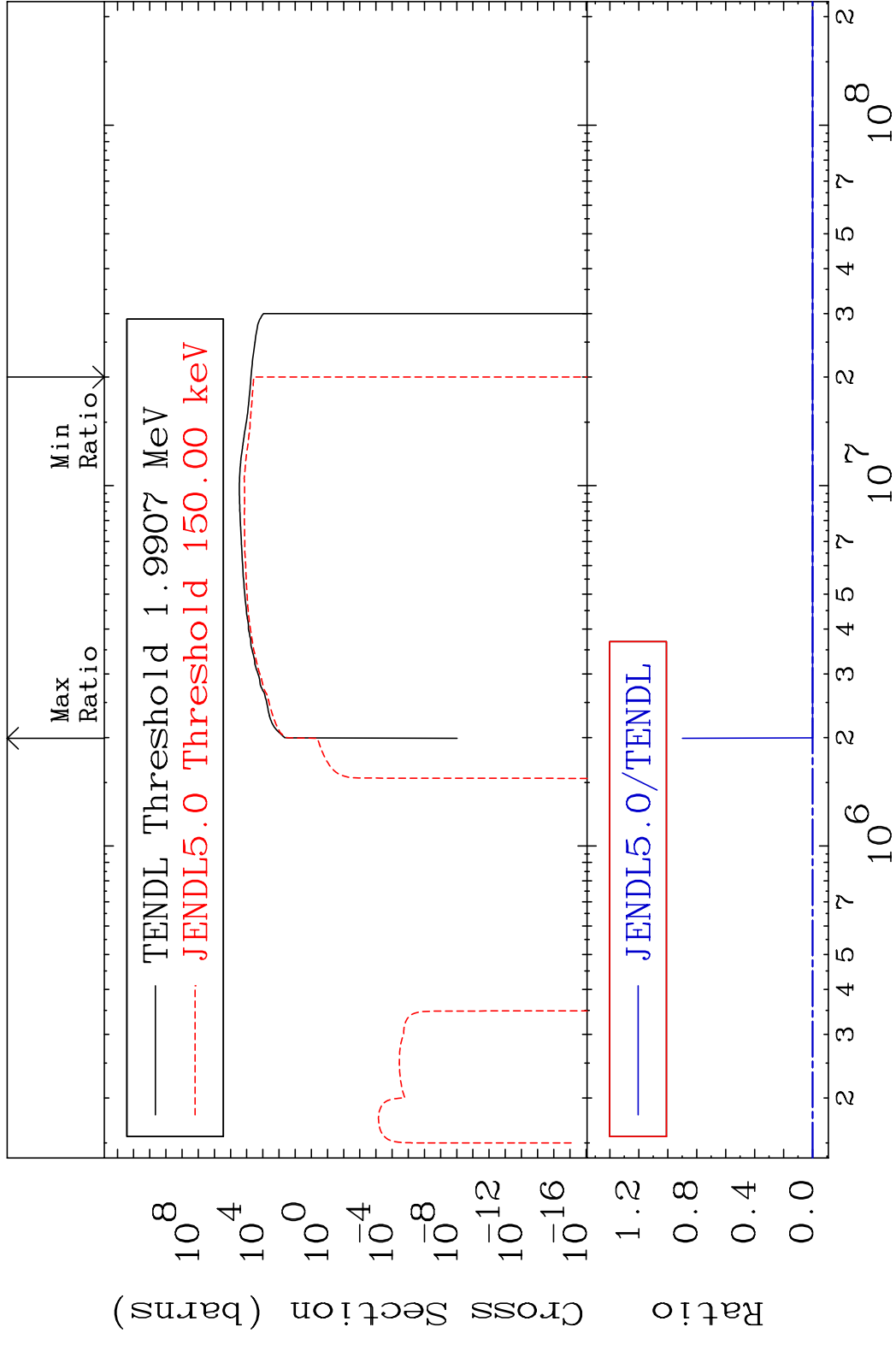
20-Ca-41

MAT 2028 Kerma non-elastic (all but mt2) 20-Ca-41
 Cross Section -94.39 To 5872. %

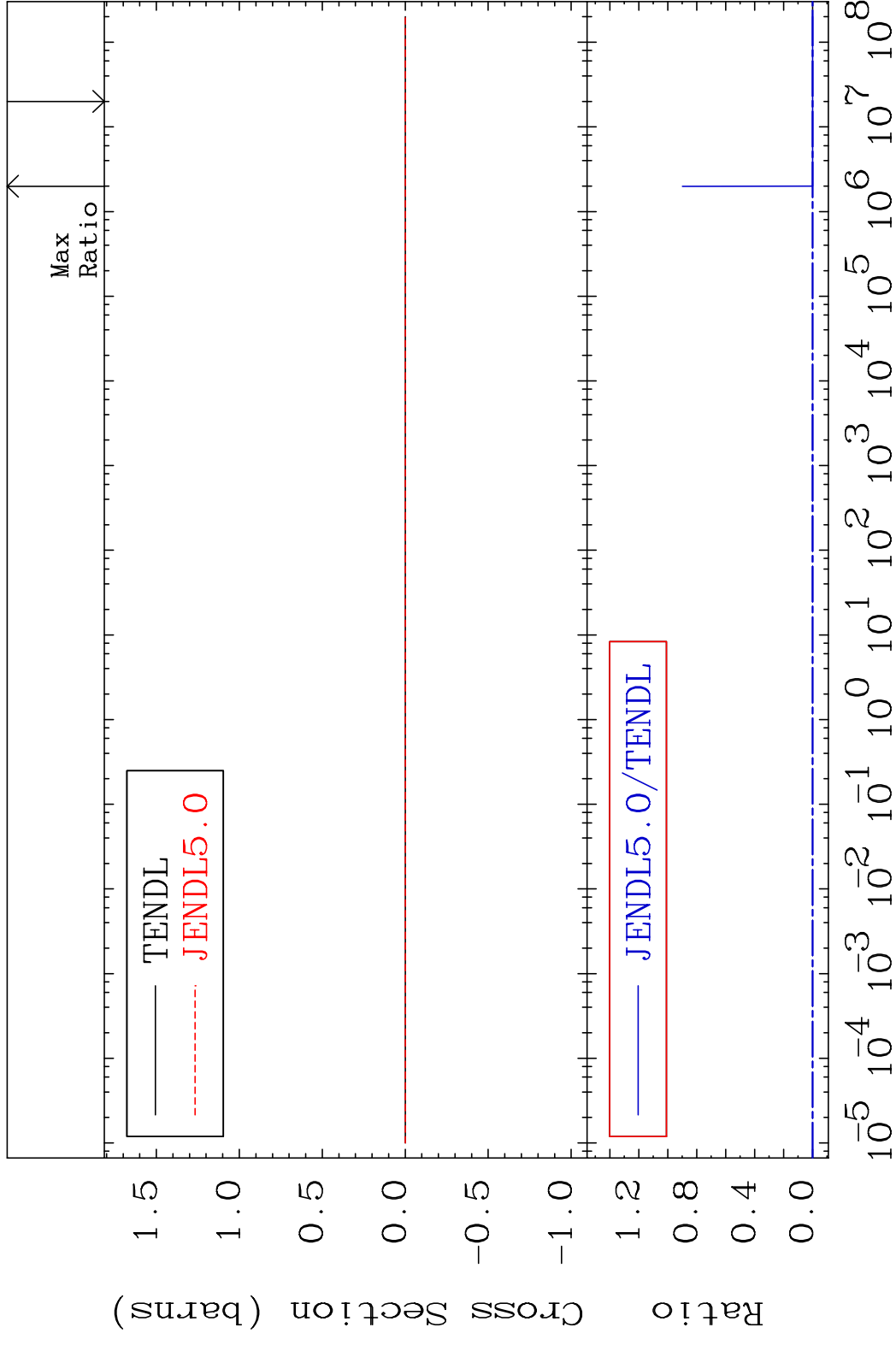


62 Incident Energy (eV) 20-Ca-41

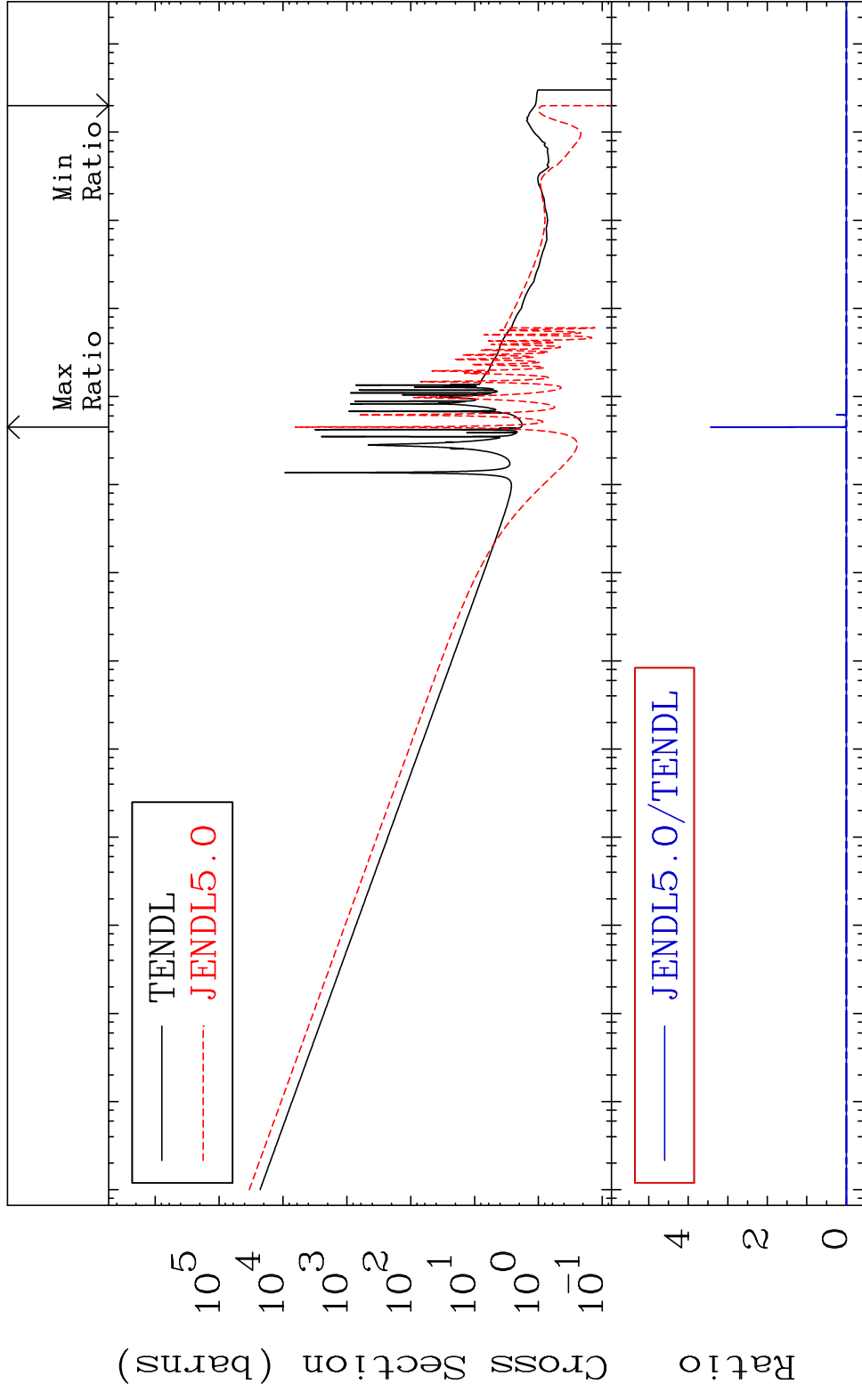
MAT 2028 Kerma inelastic (mt51-91) 20-Ca-41
 Cross Section -100.0 To 9999. %



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

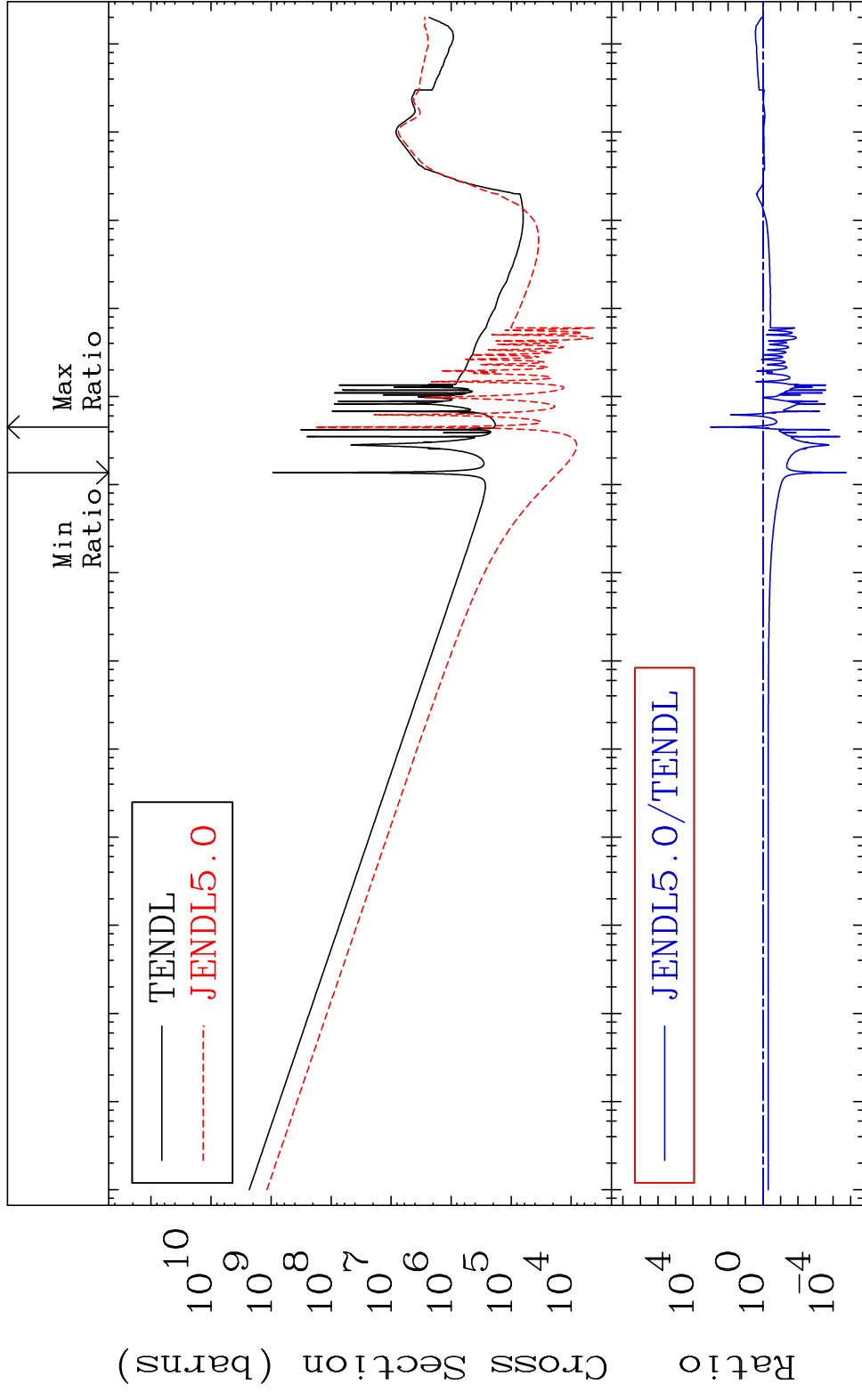


MAT 2028 Kerma capture (mt102) 20-Ca-41
 Cross Section -100.0 To 9999. %



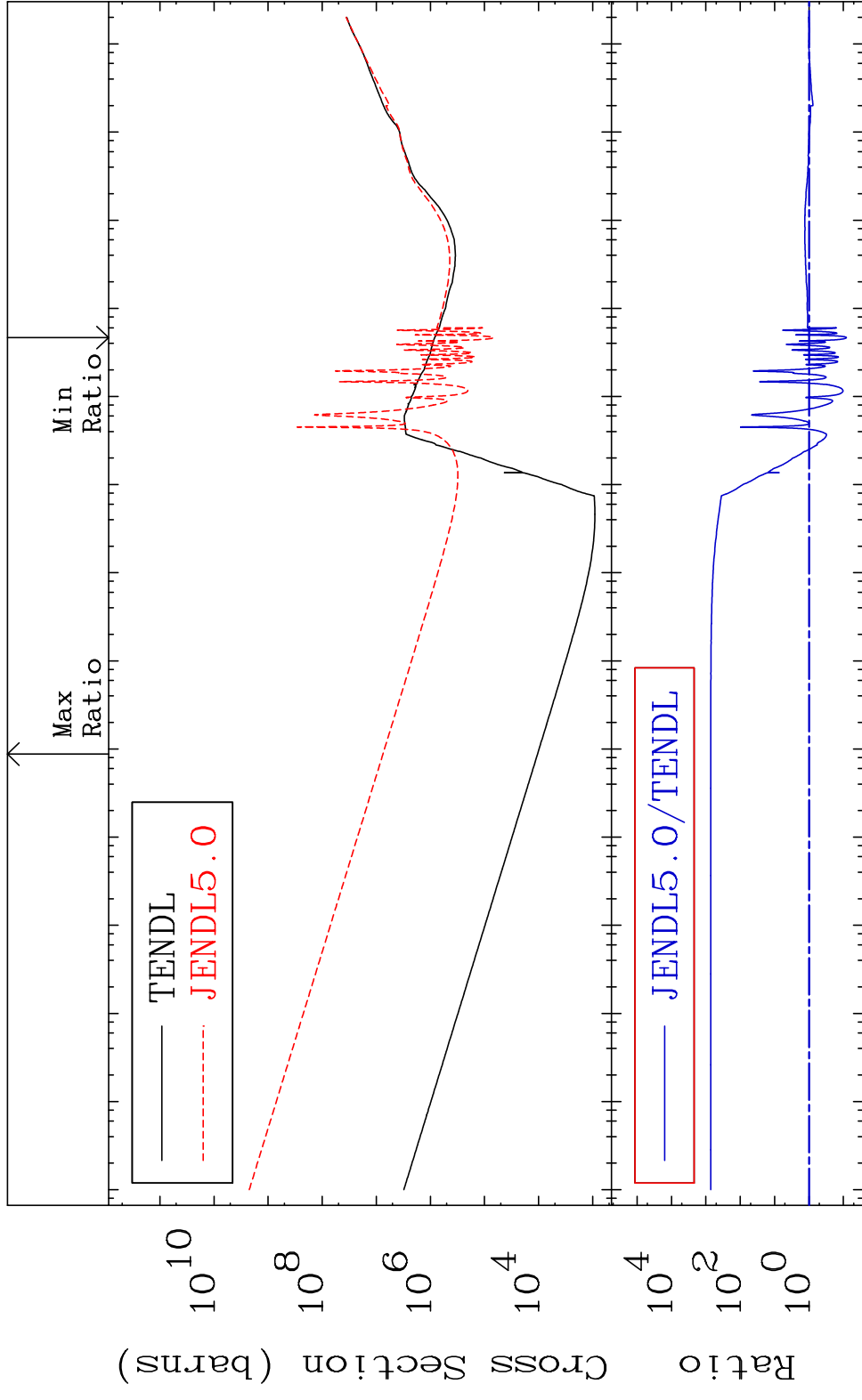
65 Incident Energy (eV) 20-Ca-41

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



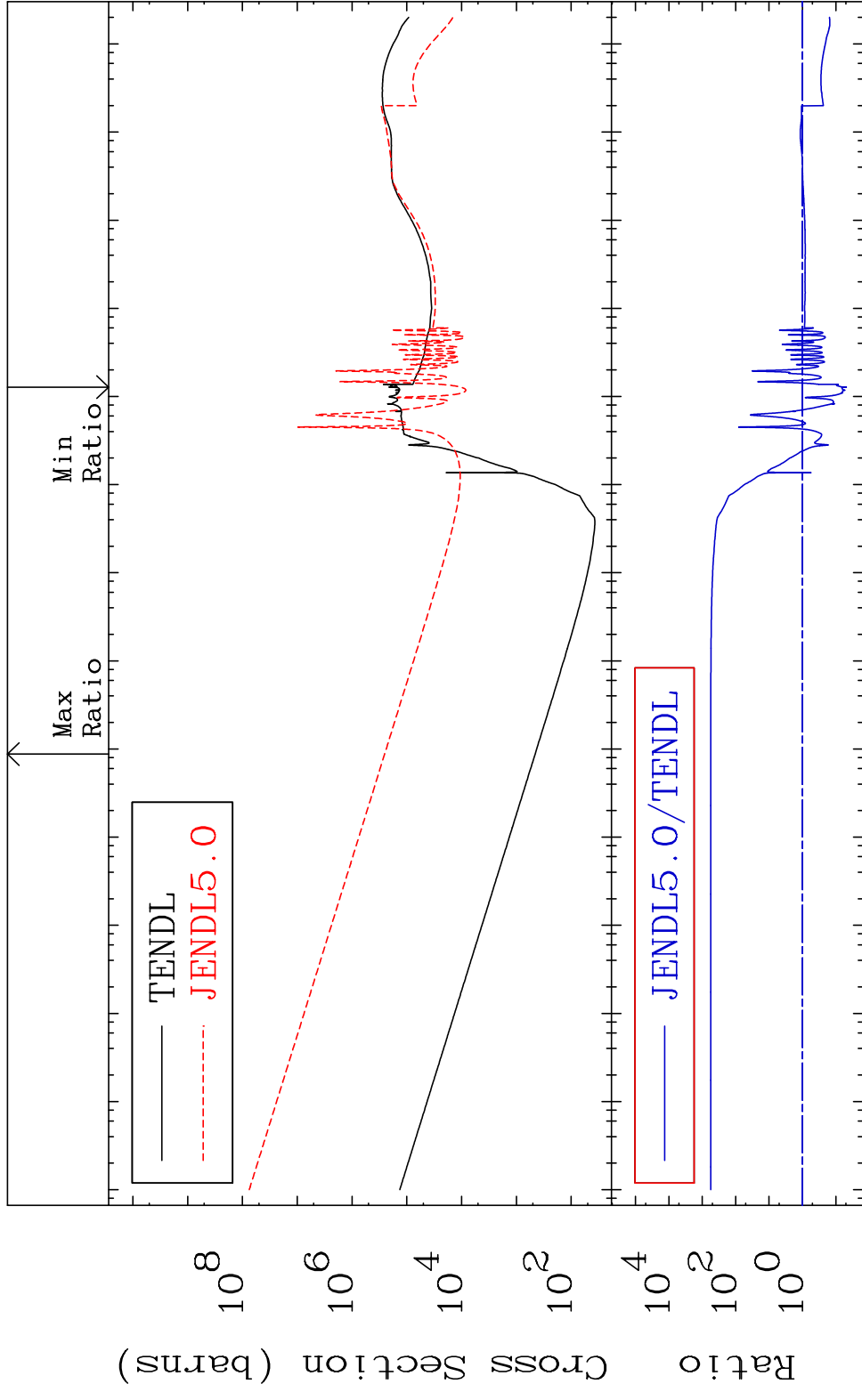
66 Incident Energy (eV) 20-Ca-41

MAT 2028 Total kinematic kerma (high limit) 20-Ca-41
 Cross Section -91.81 To 9999. %



67 Incident Energy (eV) 20-Ca-41

MAT 2028 Dpa total (eV-barns) 20-Ca-41
 Cross Section -95.15 To 9999. %



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

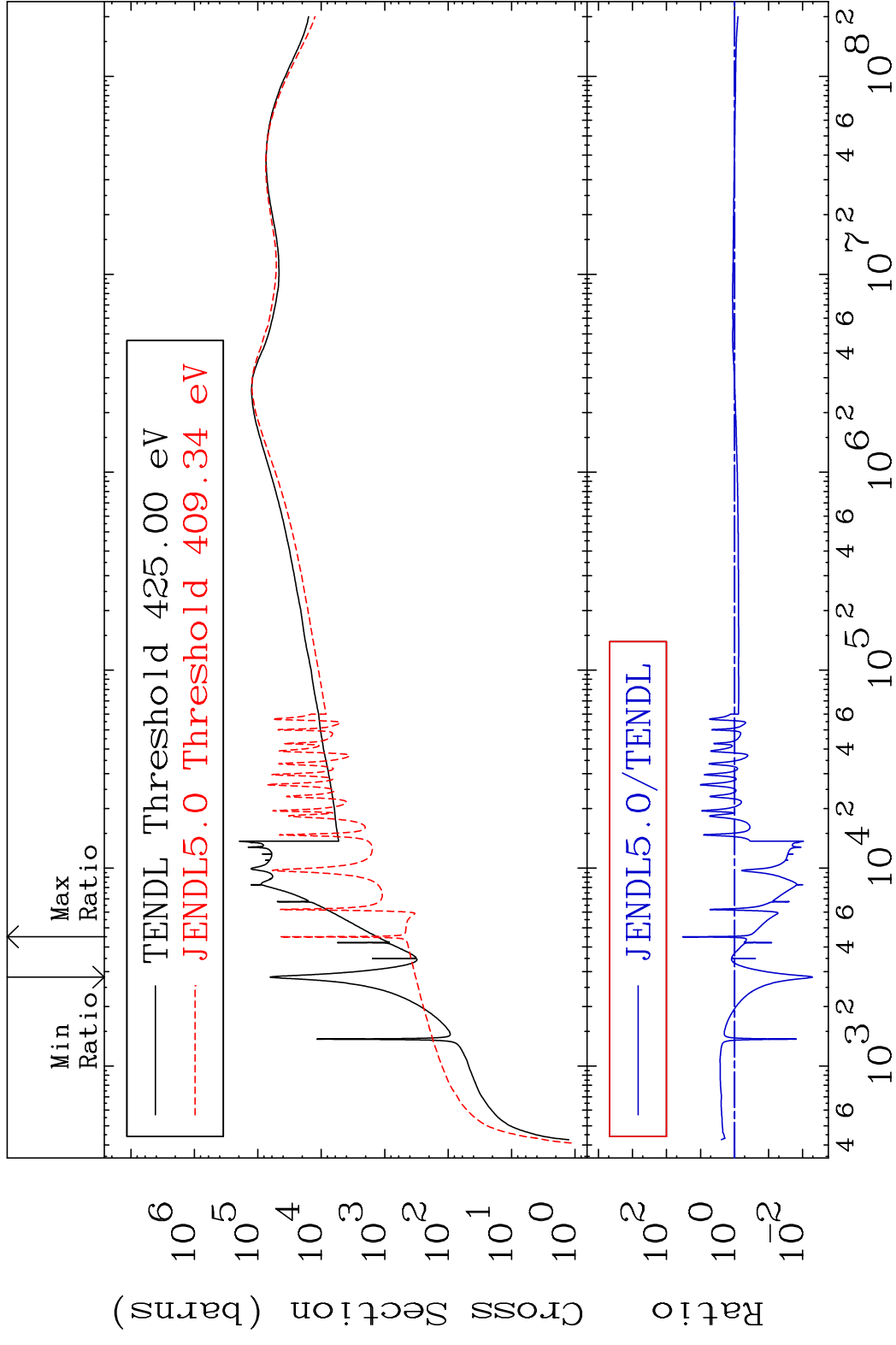
68 Incident Energy (eV) 20-Ca-41

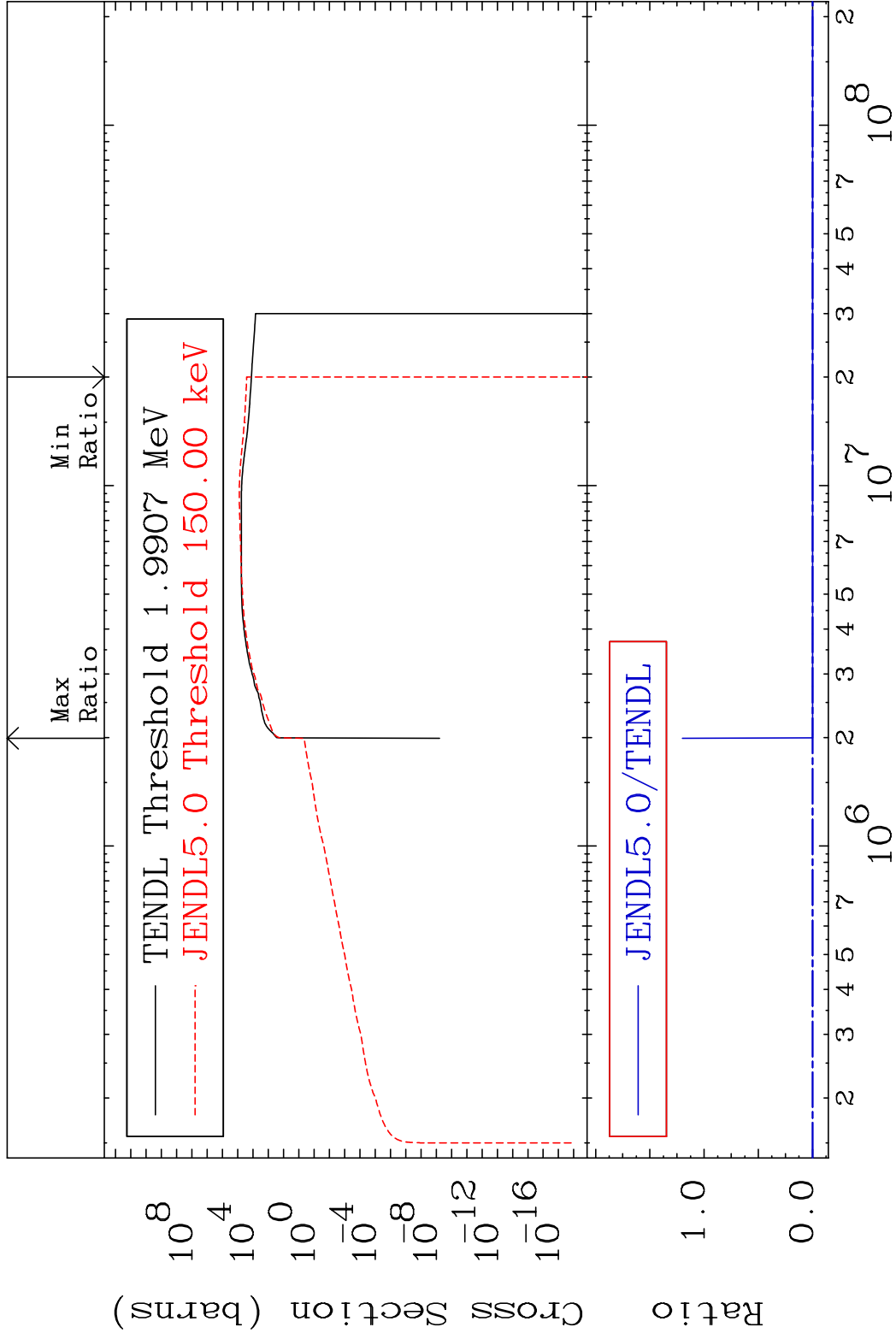
MAT 2028

Dpa elastic (mt2)

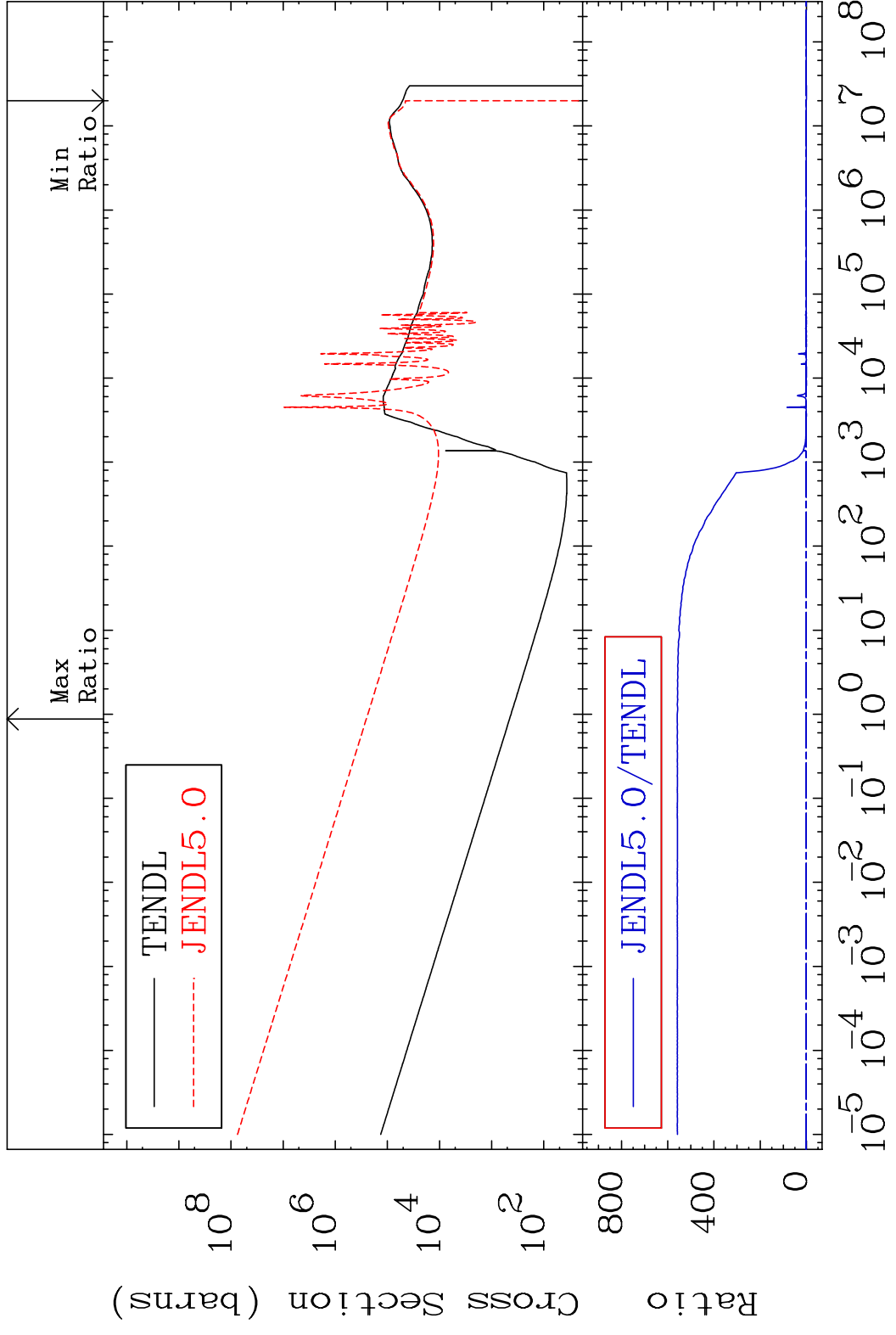
20-Ca-41

Cross Section -99.49 To 3322. %



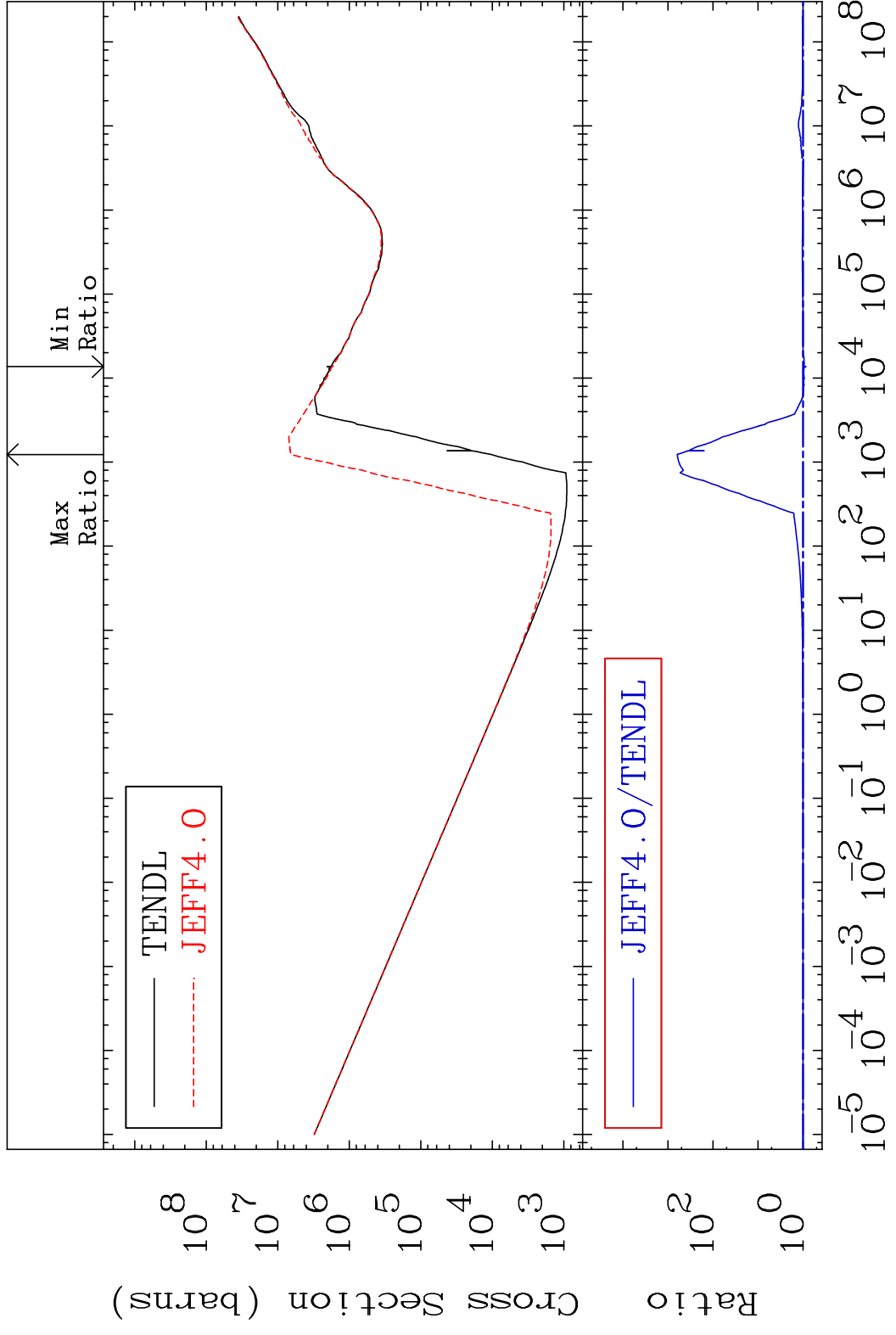


MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41
 Cross Section -100.0 To 9999. %

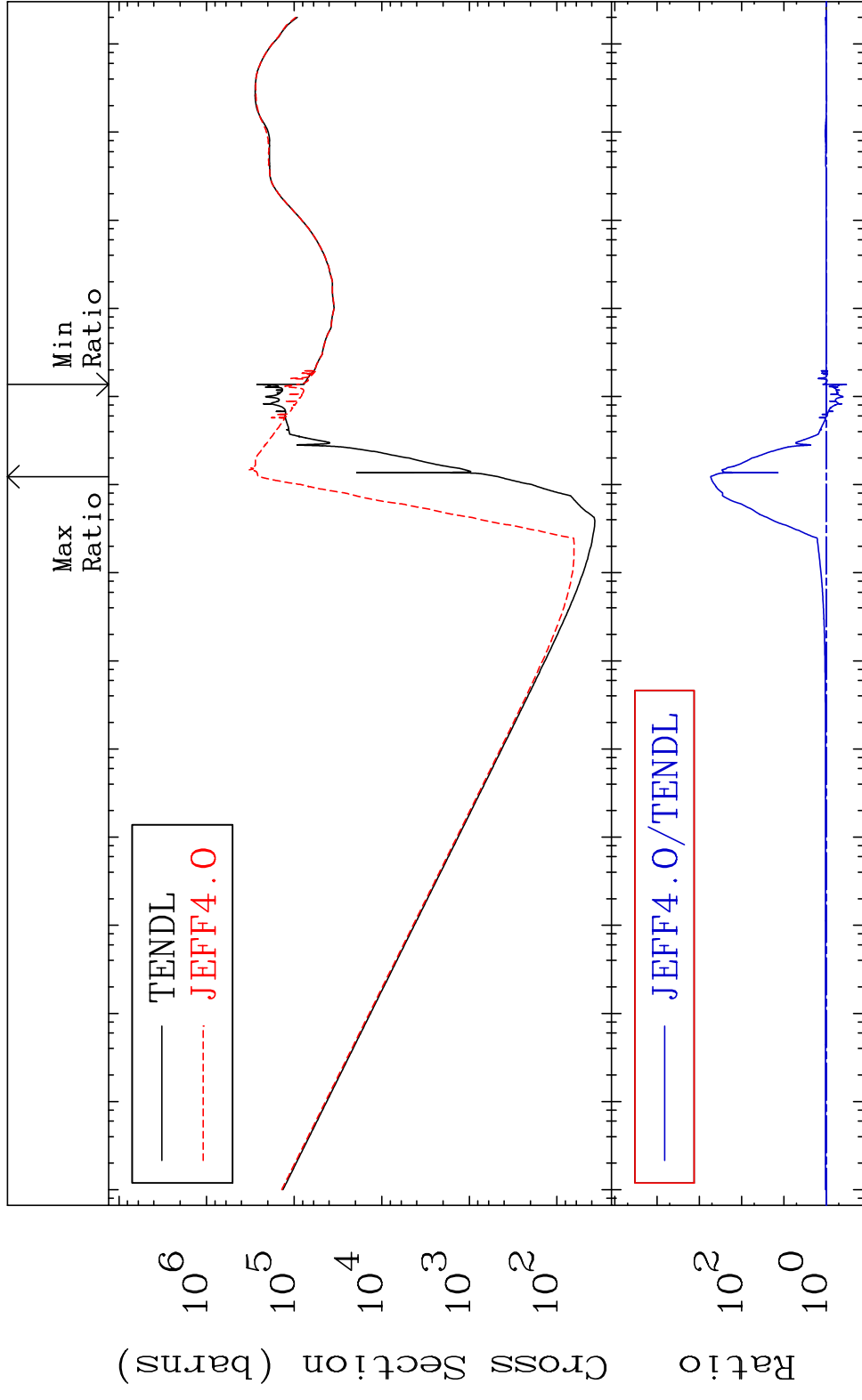


71 Incident Energy (eV) 20-Ca-41

MAT 2028 Total kinematic kerma (high limit) 20-Ca-41
 Cross Section -15.65 To 9999. %



MAT 2028 Dpa total (eV-barns) 20-Ca-41
 Cross Section -66.65 To 9999. %



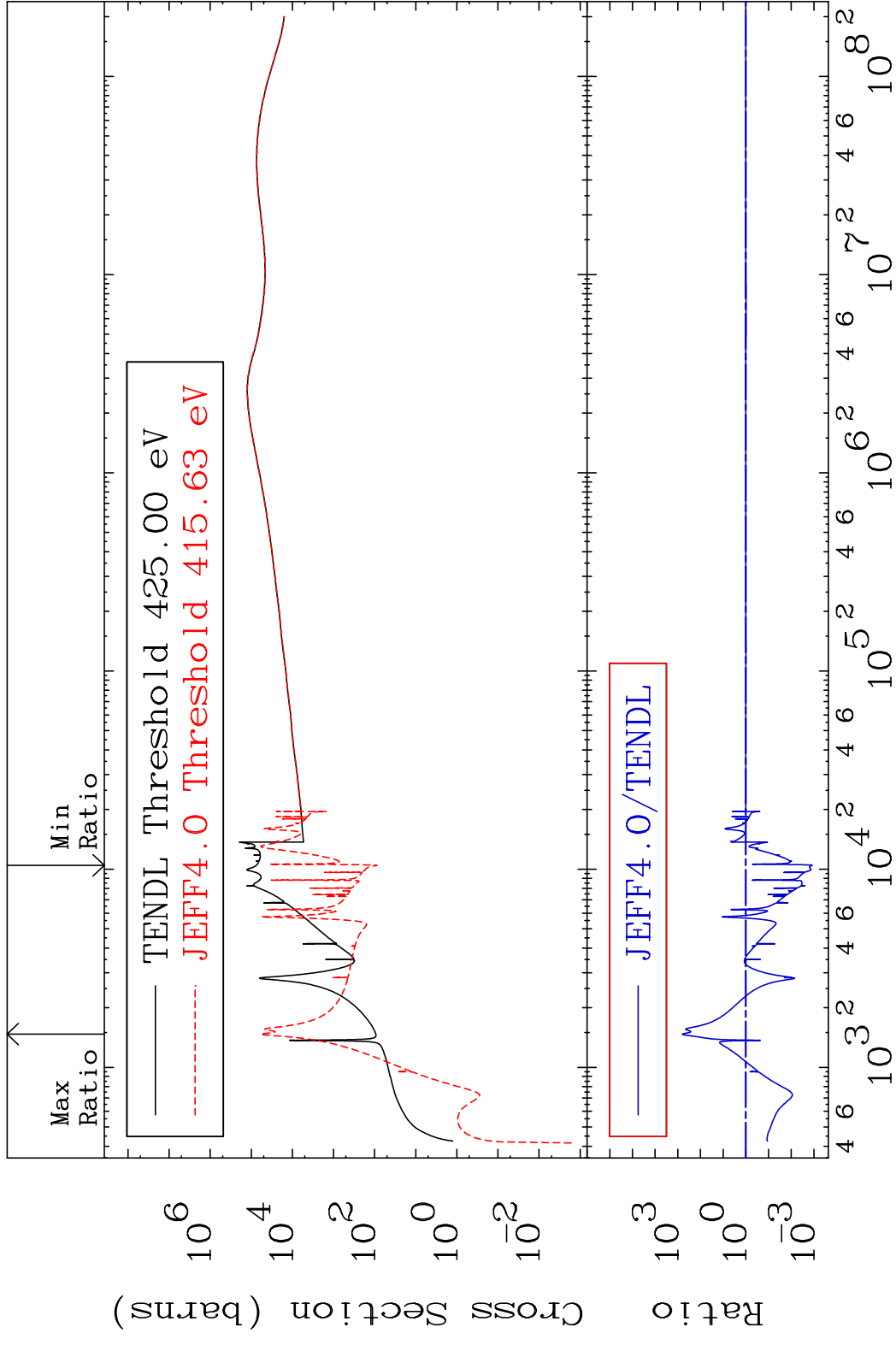
73 Incident Energy (eV) 20-Ca-41

MAT 2028

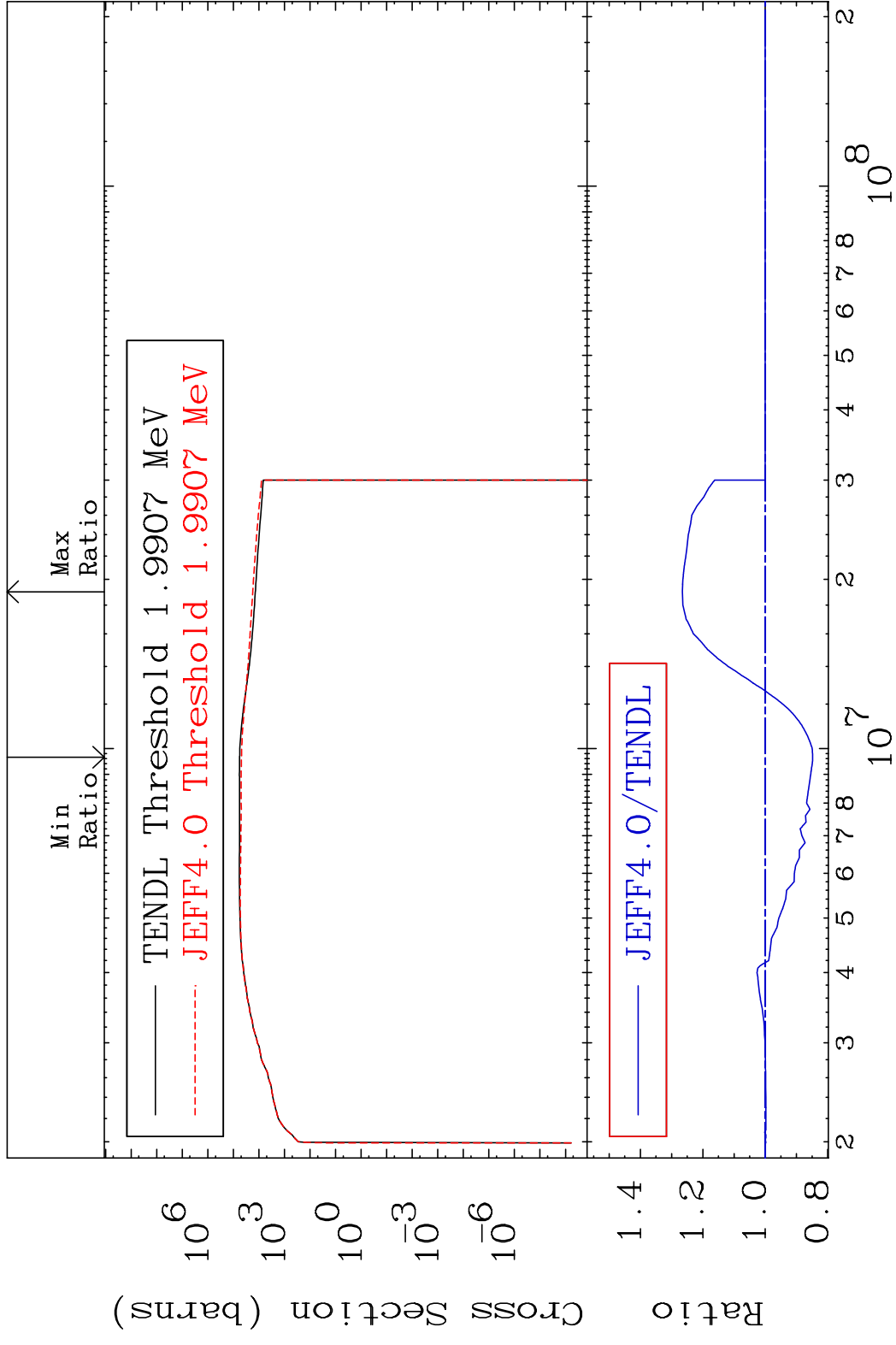
Dpa elastic (mt2)

20-Ca-41

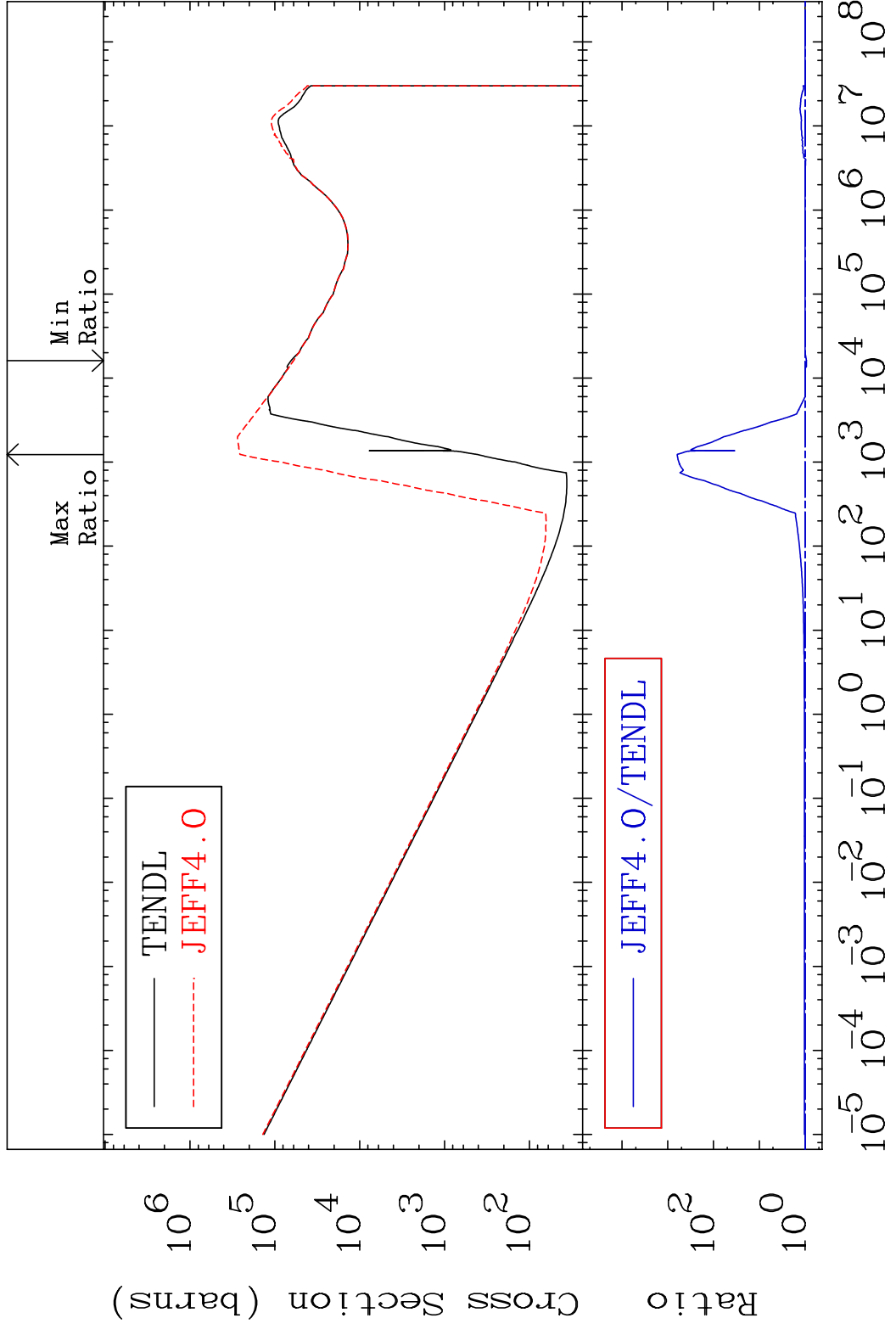
Cross Section -99.89 To 9999. %



MAT 2028 Dpa inelastic (mt51-91) 20-Ca-41
 Cross Section -15.15 To 26.56 %

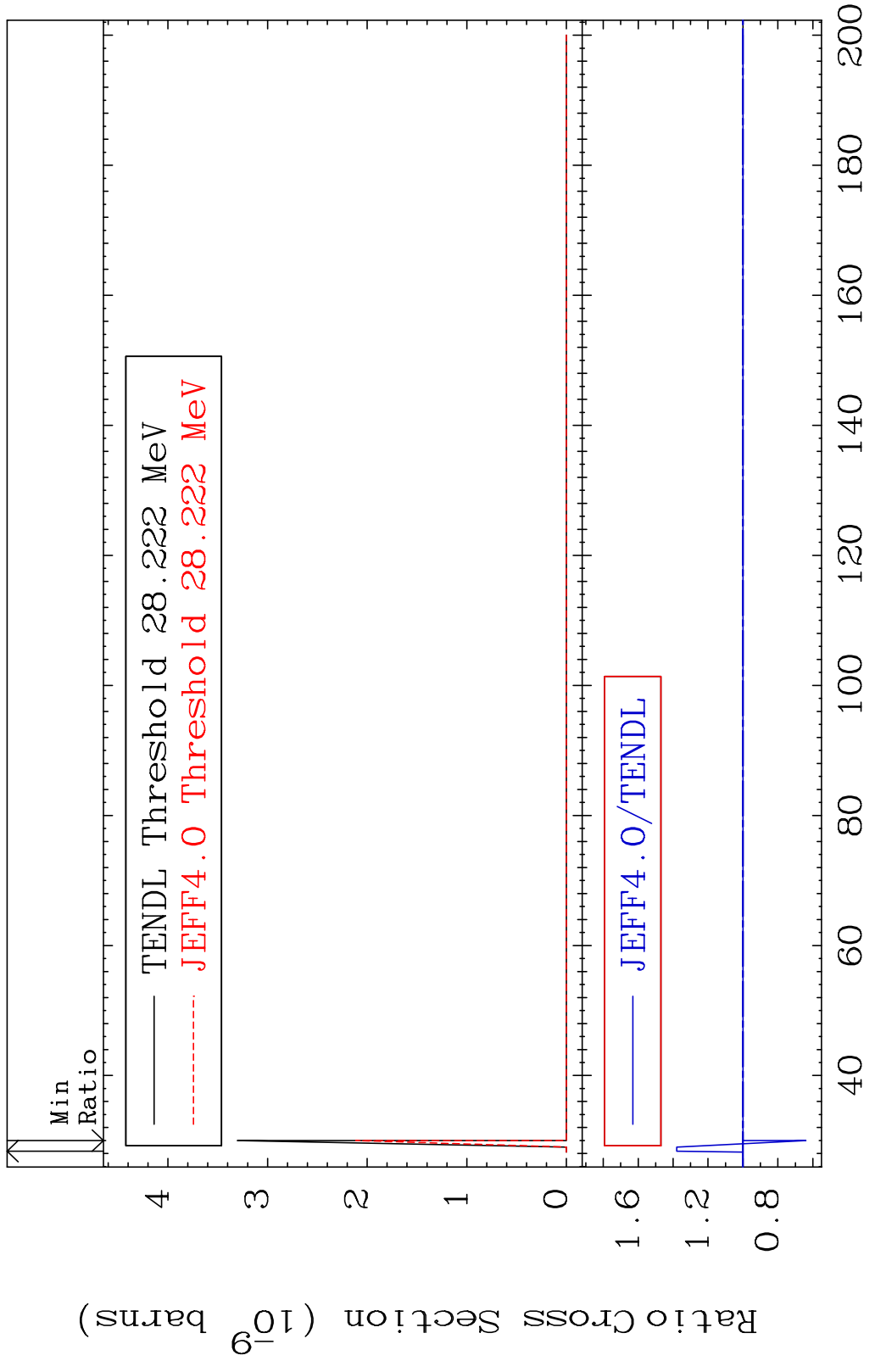


MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41
 Cross Section -6.523 To 9999. %

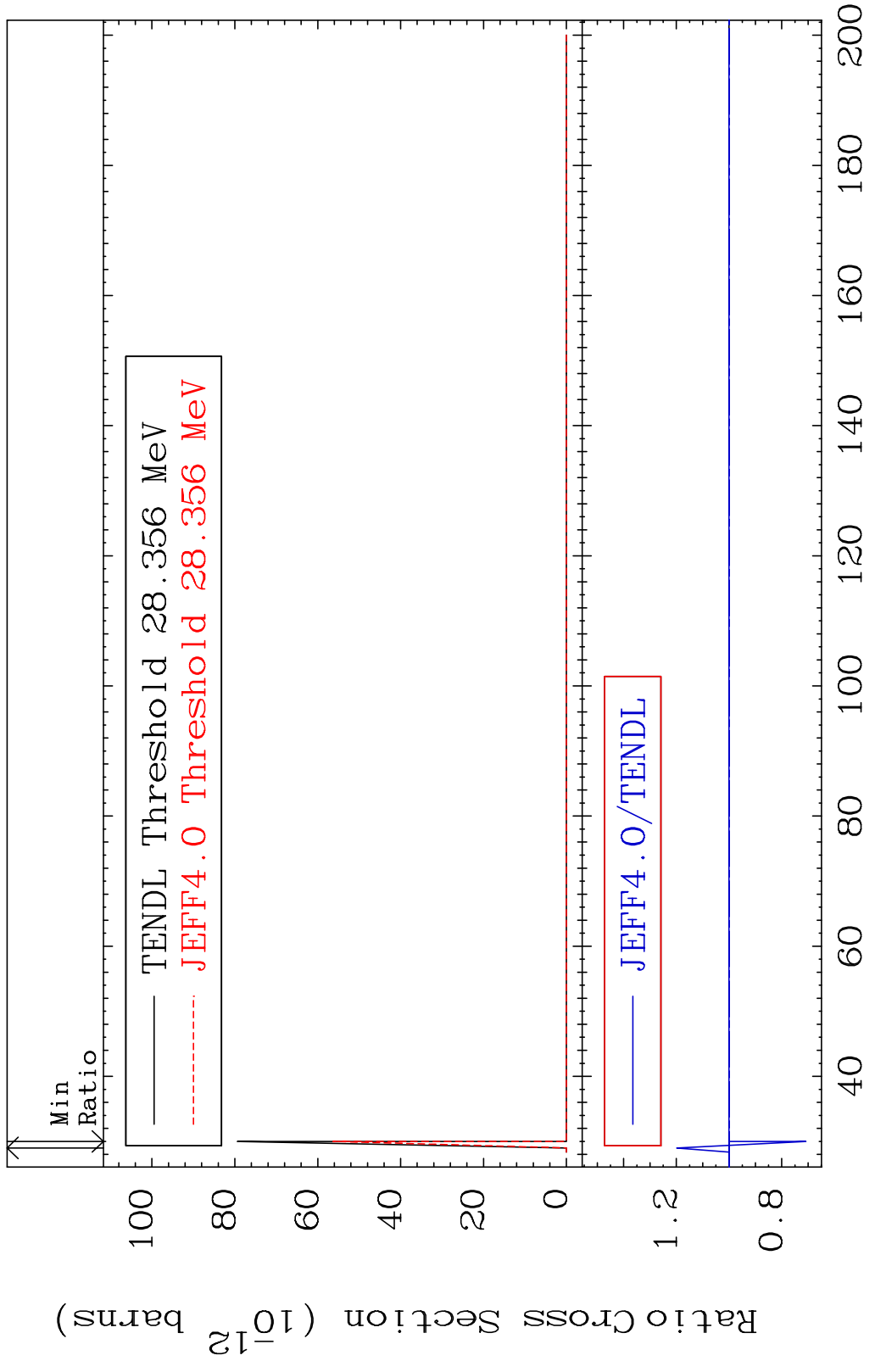


76 Incident Energy (eV) 20-Ca-41

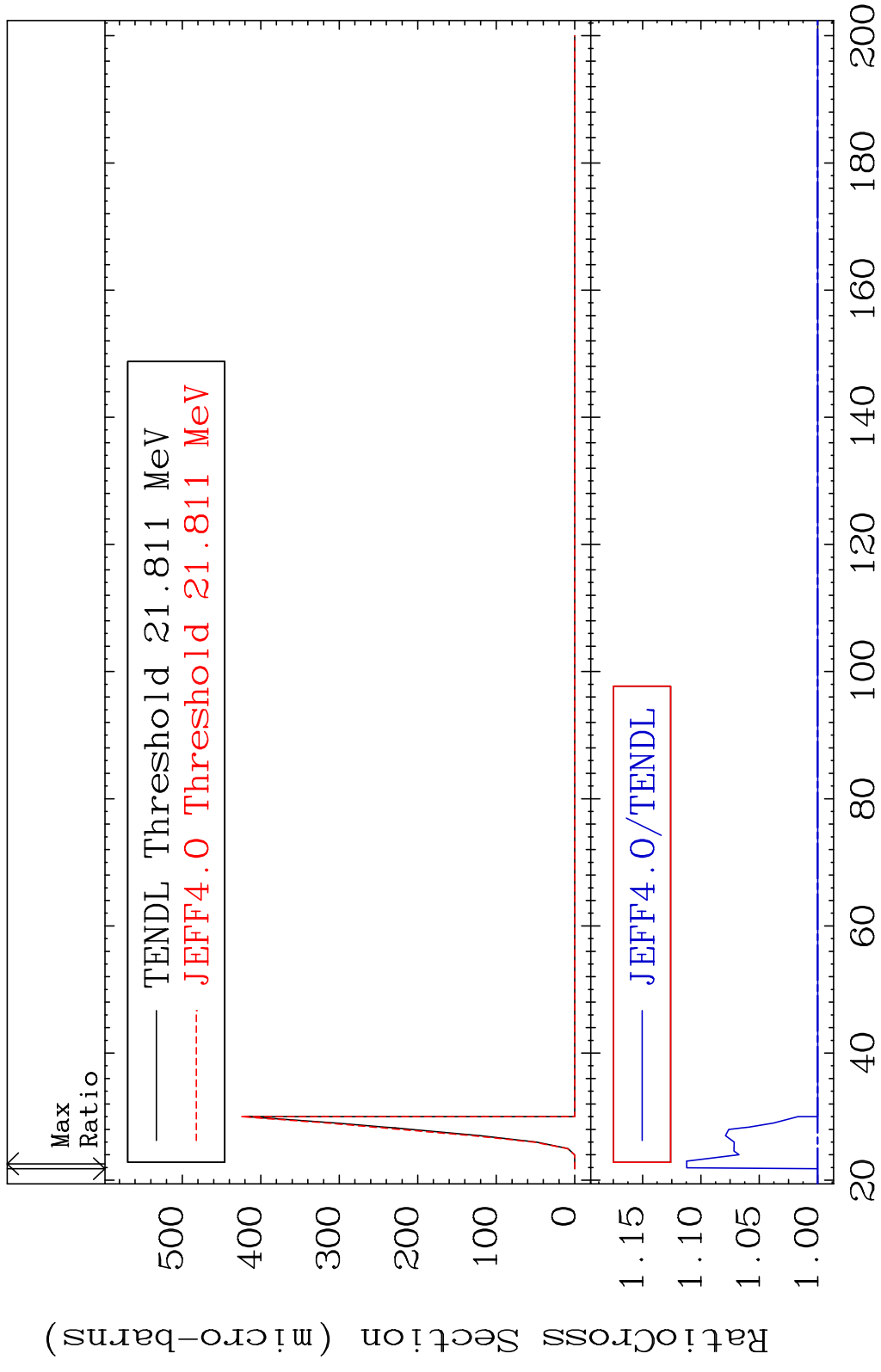
MAT 2028 (n,2n) d:19-K -38g 20-Ca-41
 Radionuclide Production Cross Section 35e08d10 37.95 %



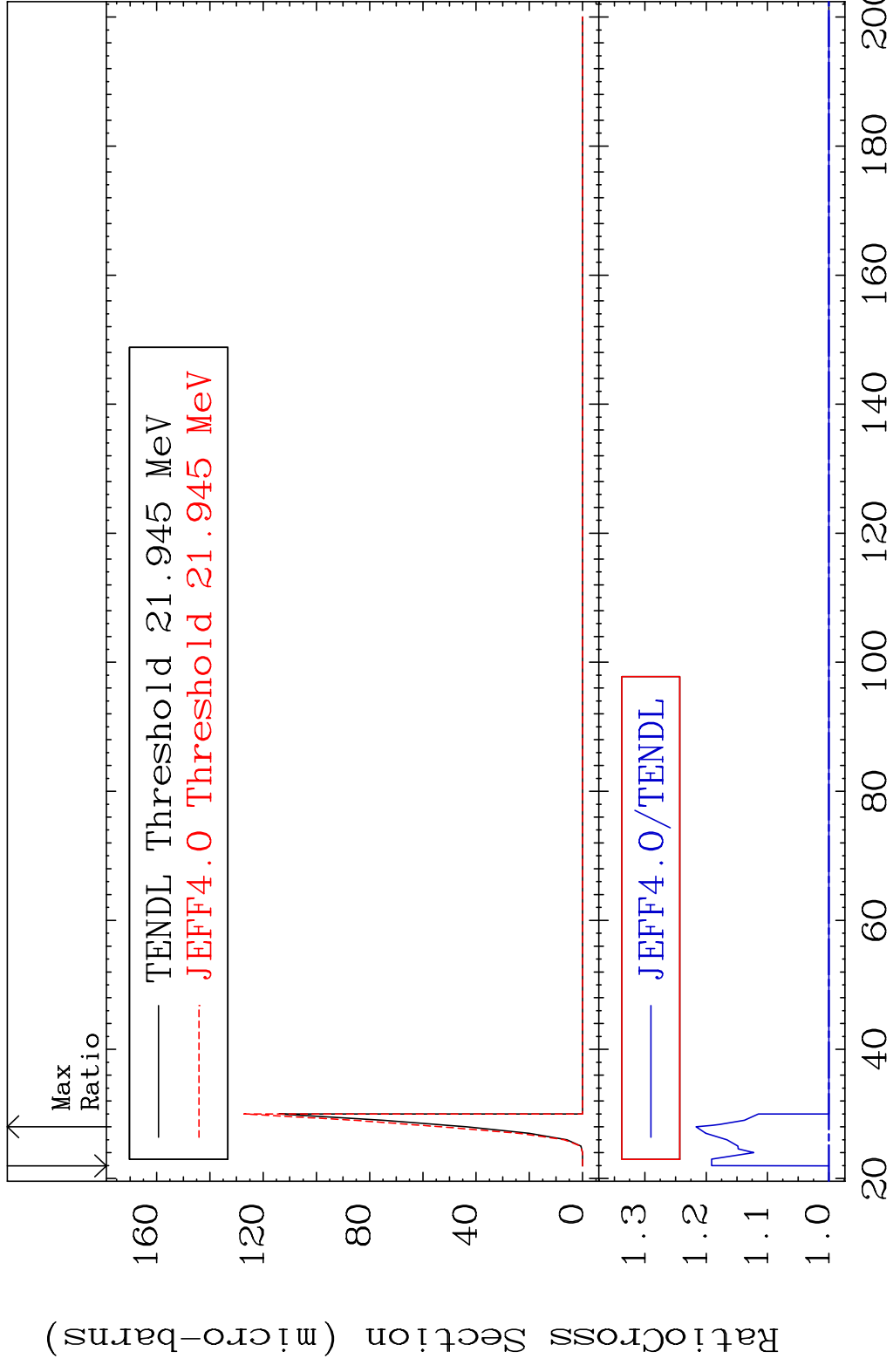
MAT 2028 (n,2n) d:19-K -38m1 20-Ca-41
 Radionuclide Production Cross Section 33.61 mb 19.88 %



MAT 2028 (n, n') t:19-K -38g 20-Ca-41
 Radionuclide Production Cross Section 11.22 %



MAT 2028 (n, n') t:19-K -38m1 20-Ca-41
 Radionuclide Production Cross Section 21.67 %



80 Incident Energy (MeV) 20-Ca-41