

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

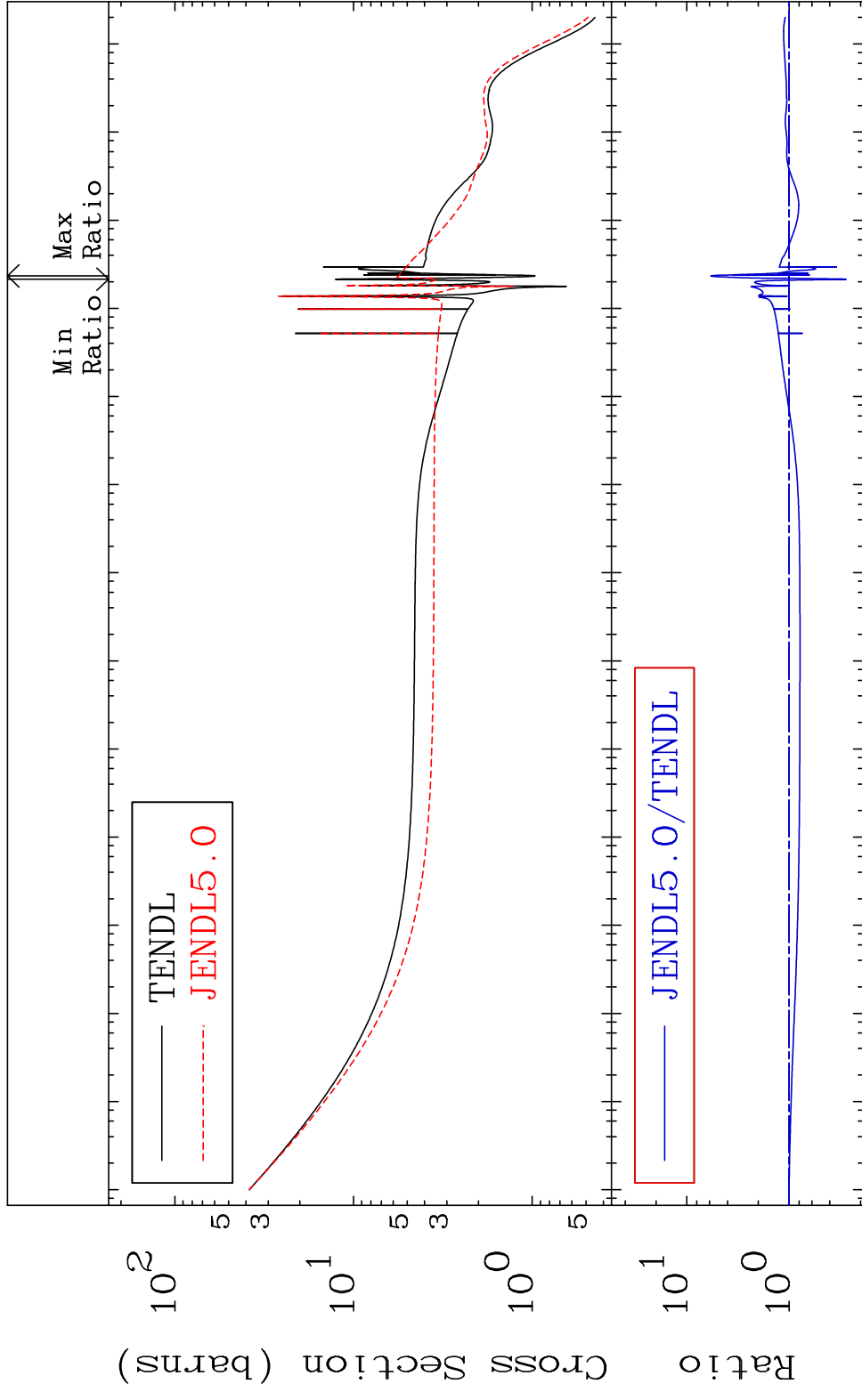
MAT 1028

Total

10-Ne-21

Cross Section

-72.40 To 484.5 %



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

1

Incident Energy (eV)

10-Ne-21

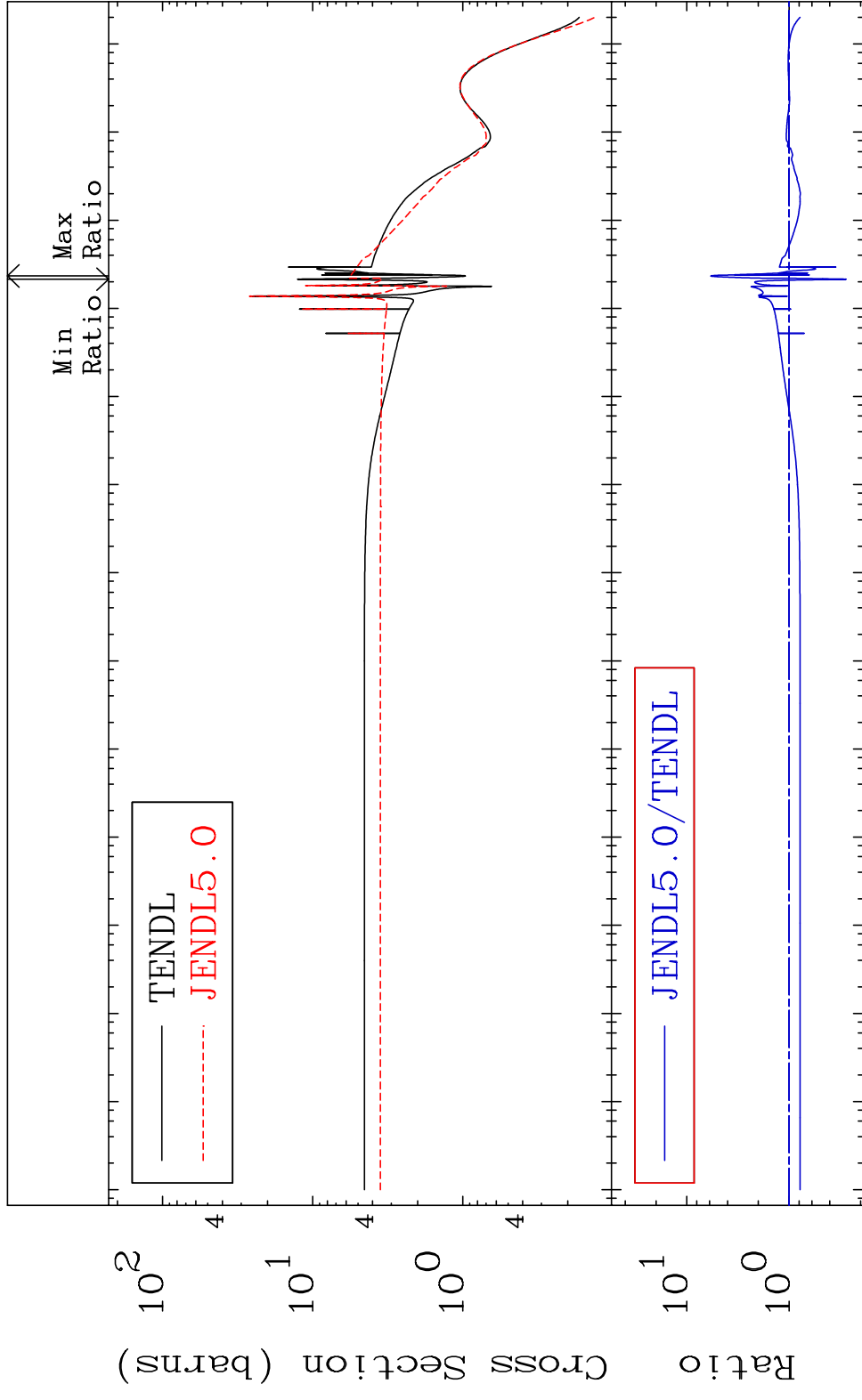
MAT 1028

Elastic

10-Ne-21

Cross Section

-72.39 To 484.6 %

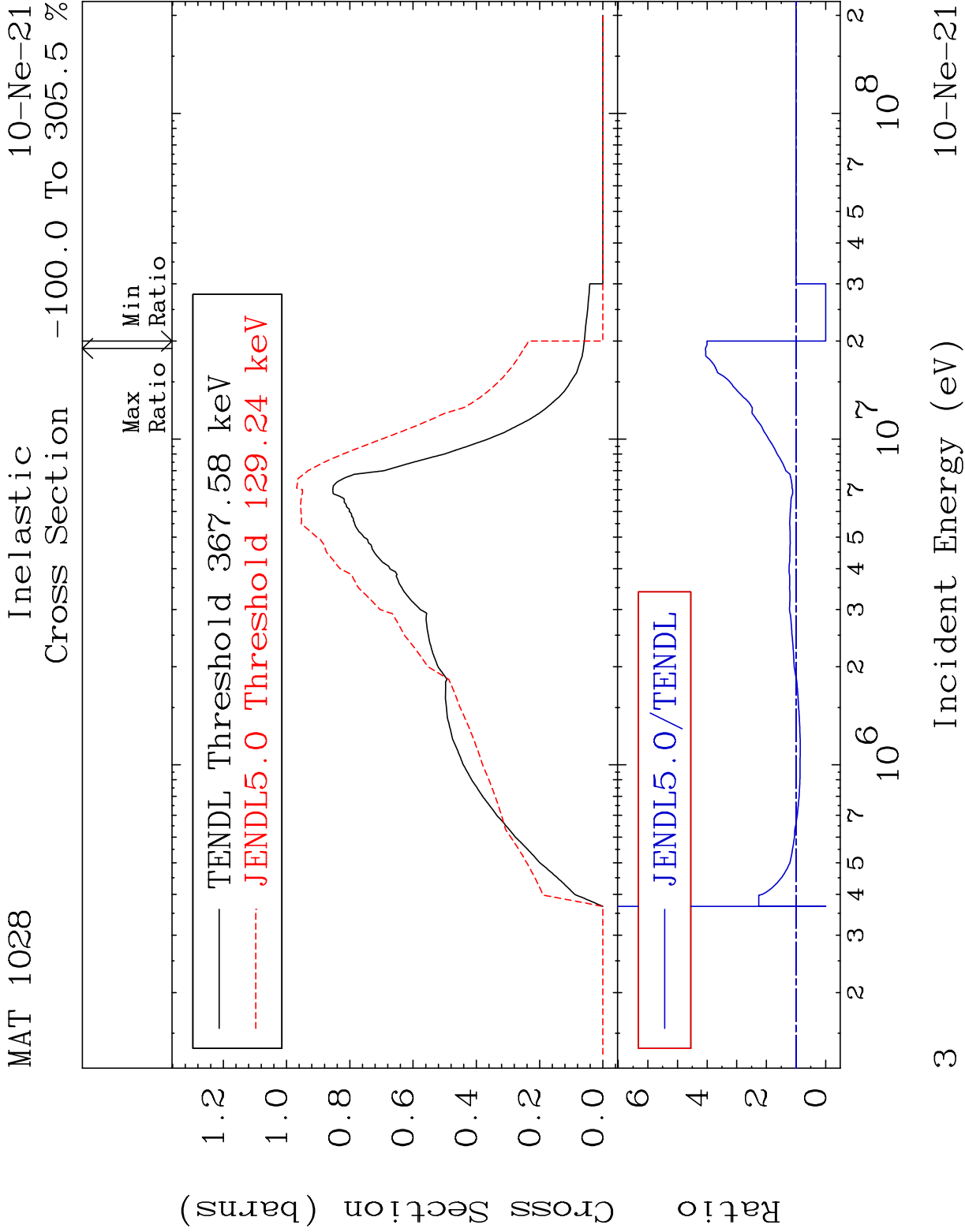


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

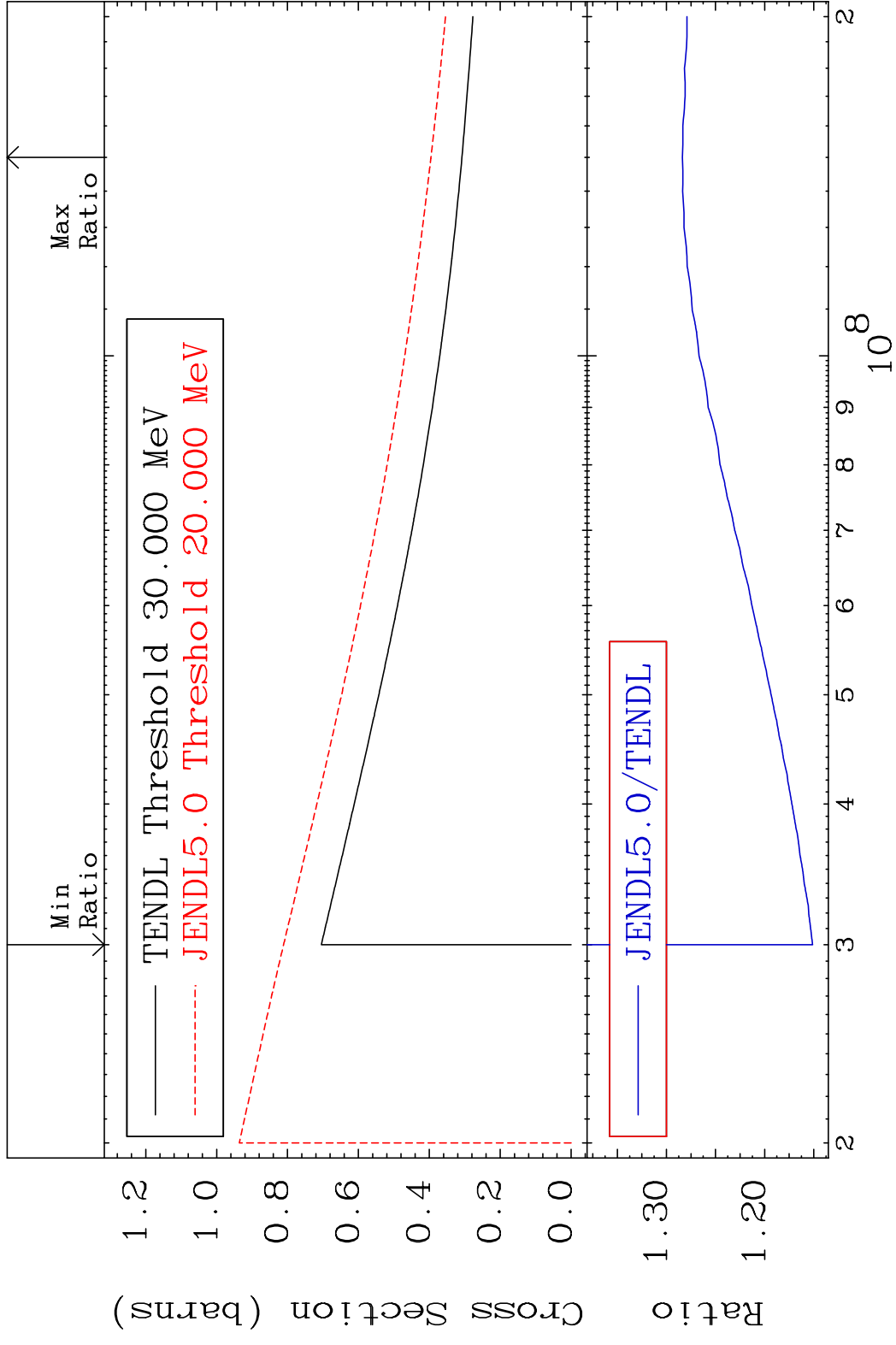
2

Incident Energy (eV)

10-Ne-21

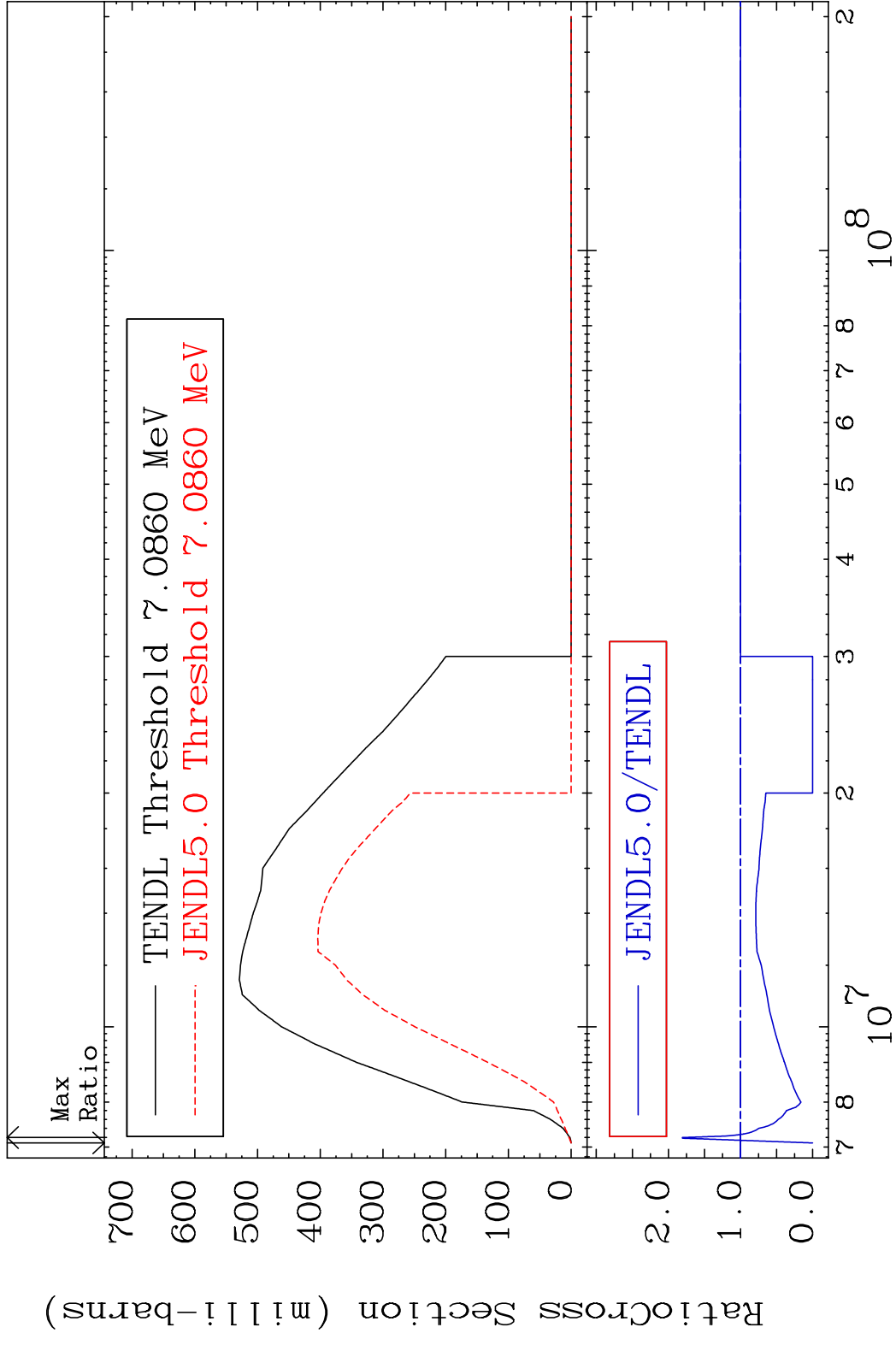


MAT 1028 (n, remainder) 10-Ne-21
 Cross Section 15.12 To 28.38 %



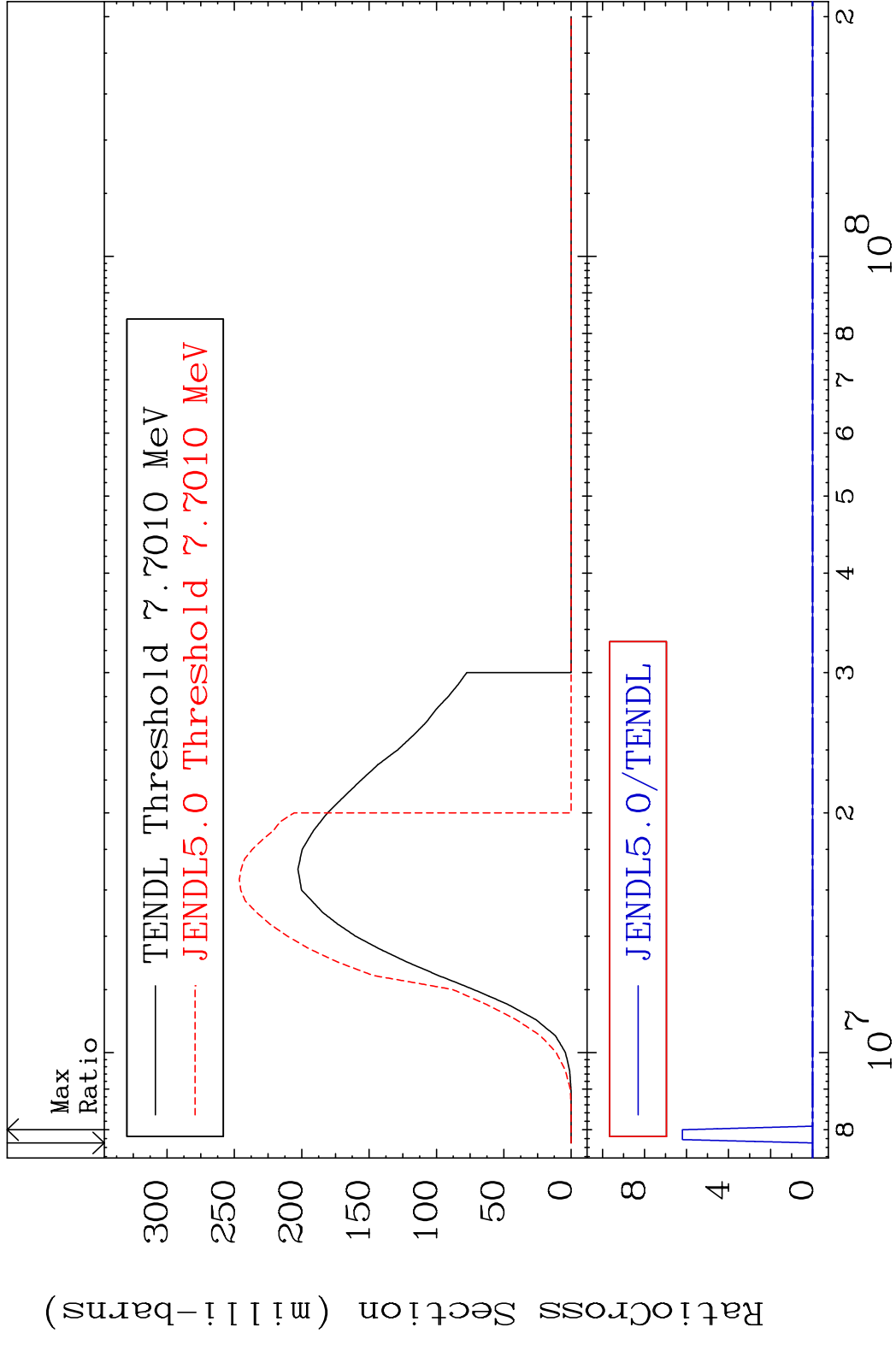
4 Incident Energy (eV) 10-Ne-21

MAT 1028 (n,2n) 10-Ne-21
 Cross Section -100.0 To 80.62 %



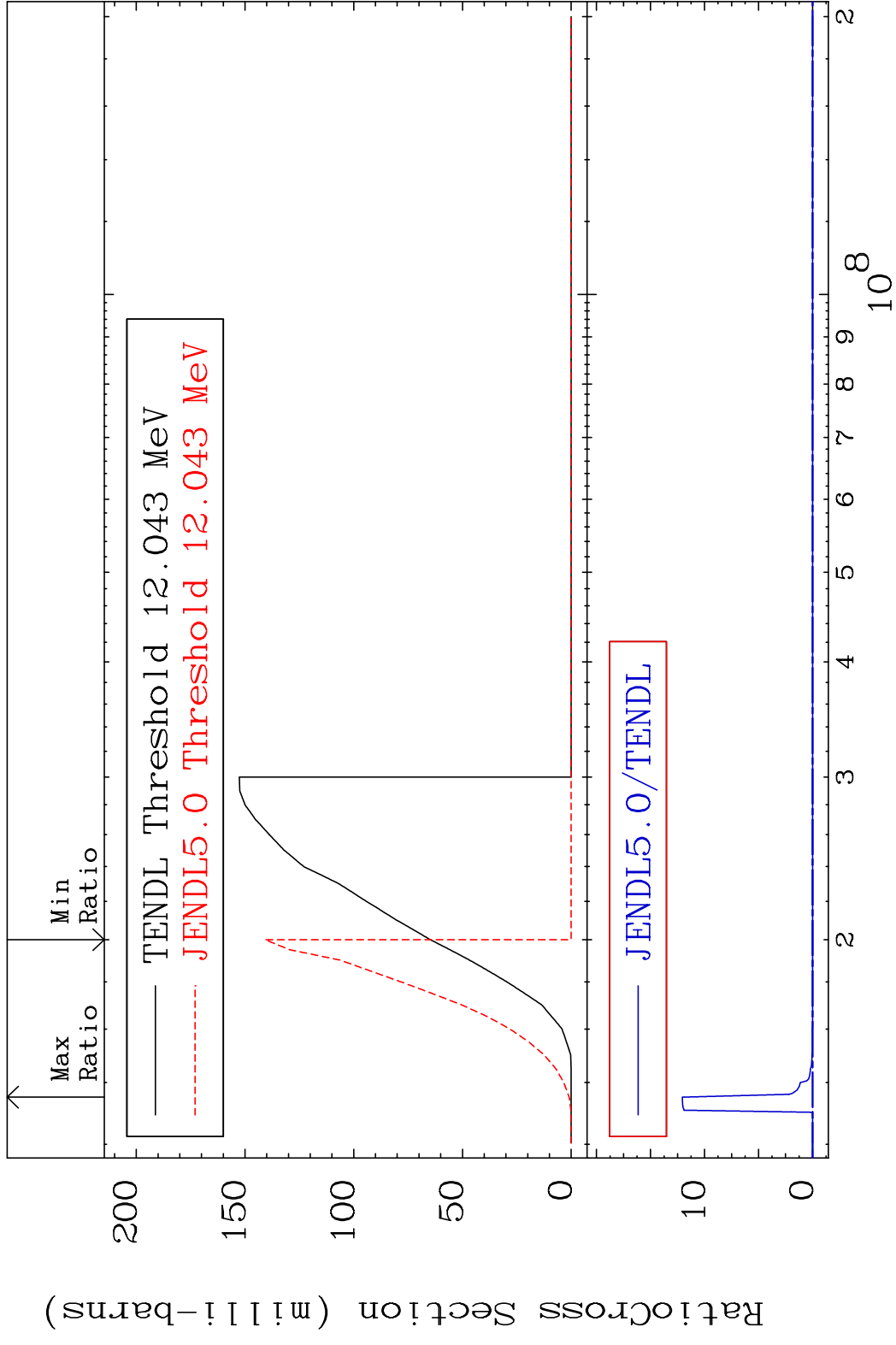
5 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 10-Ne-21

MAT 1028 (n,n') α 10-Ne-21
 Cross Section -100.0 To 9999. %

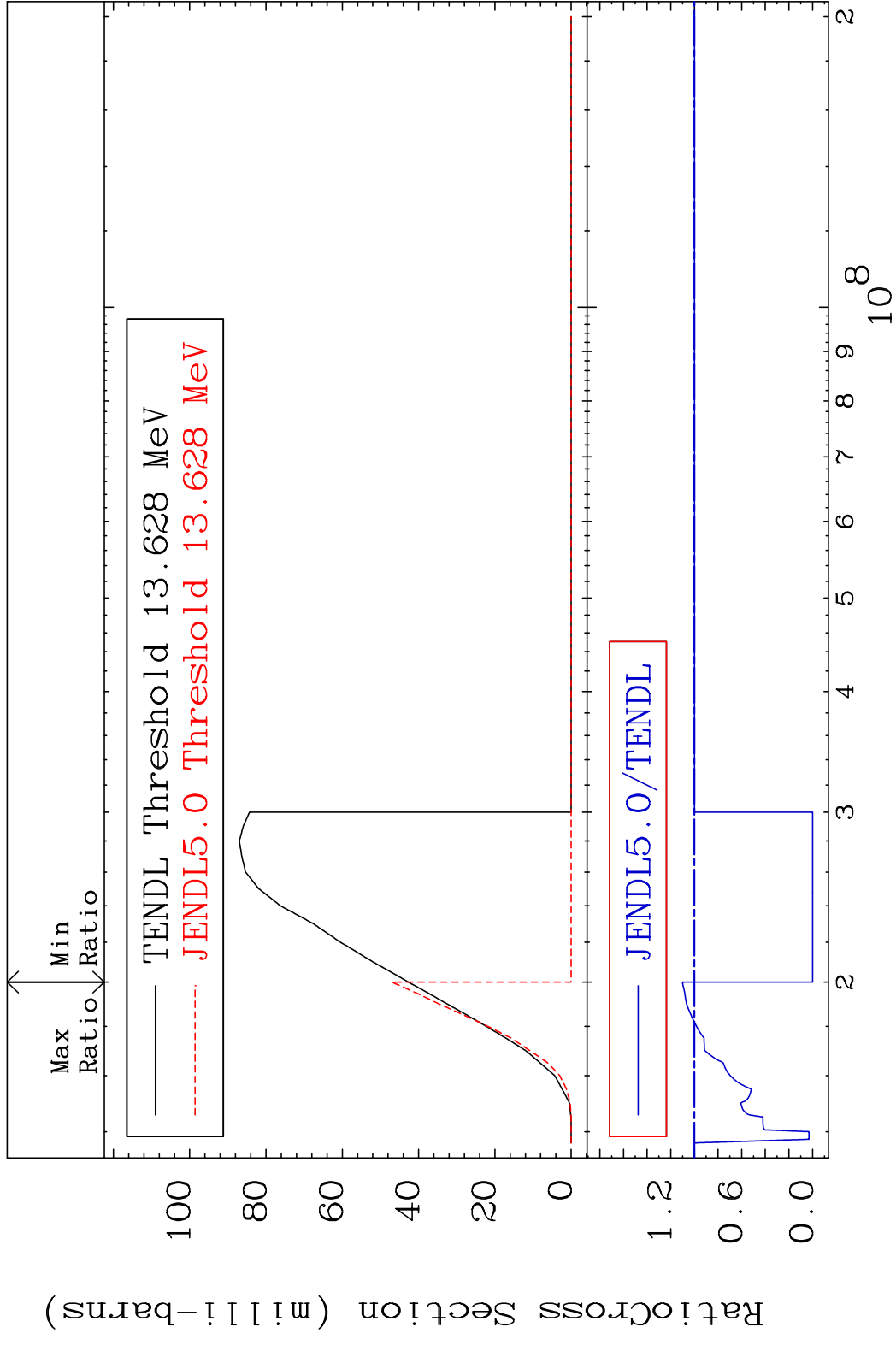


6 8 4 0 300 250 200 150 100 50 0 8 4 0 10⁷ 10⁸ 10-Ne-21

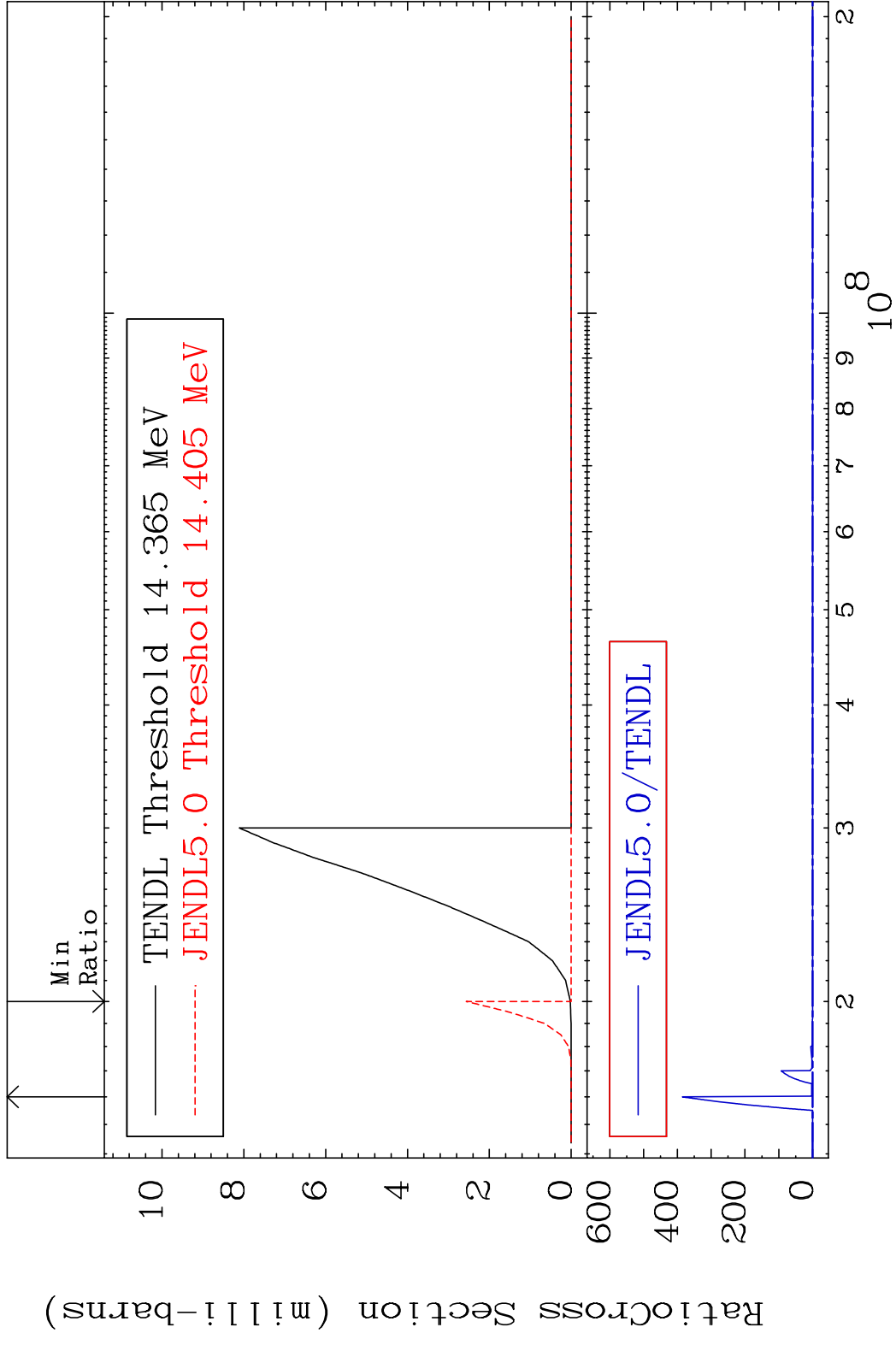
MAT 1028 (n,2n) α 10-Ne-21
 Cross Section -100.0 To 9999. %



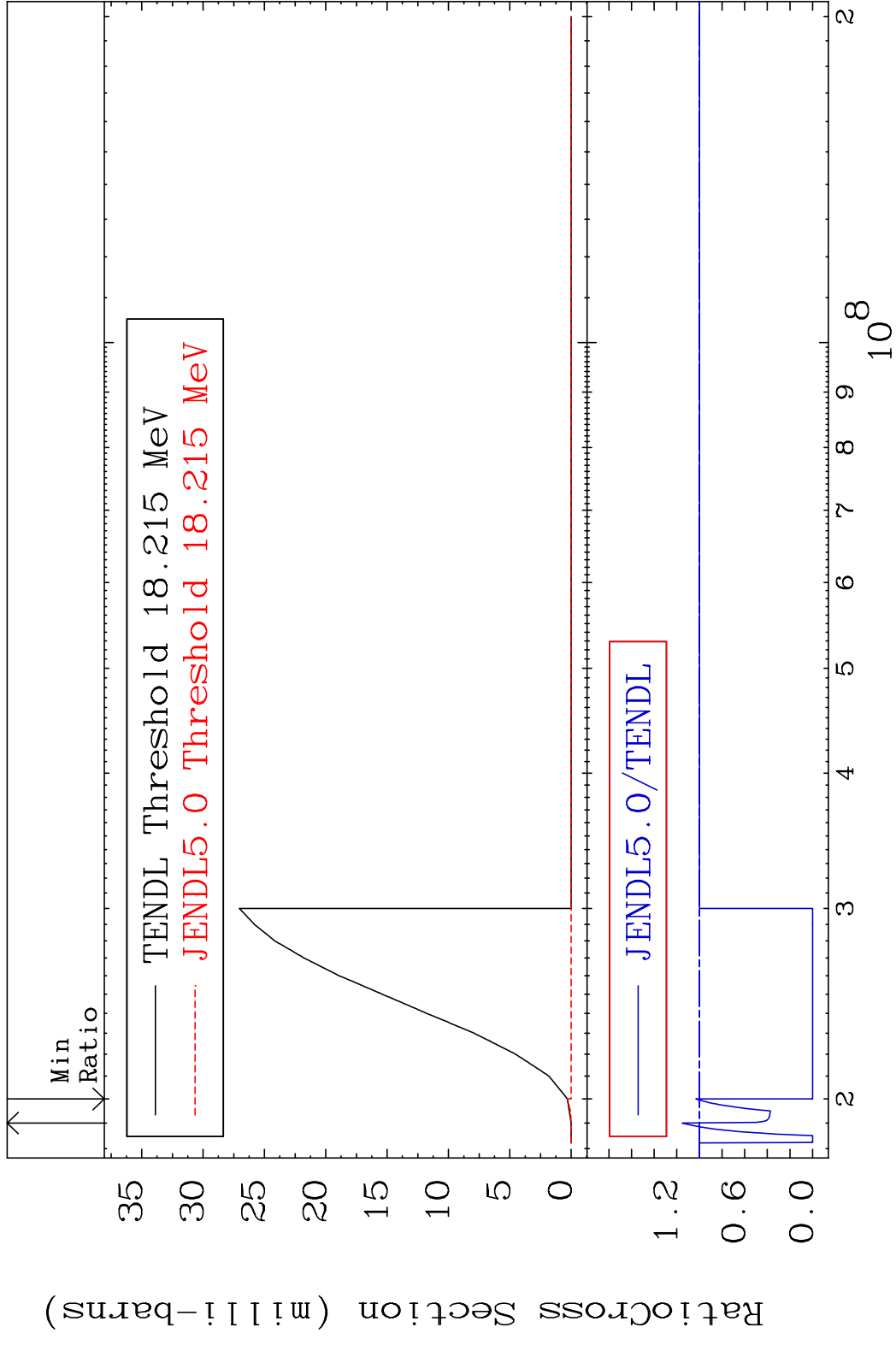
MAT 1028 (n, n') p 10-Ne-21
 Cross Section -100.0 To 10.17 %



MAT 1028 (n, n') 2α 10-Ne-21
 Cross Section -100.0 To 9999. %

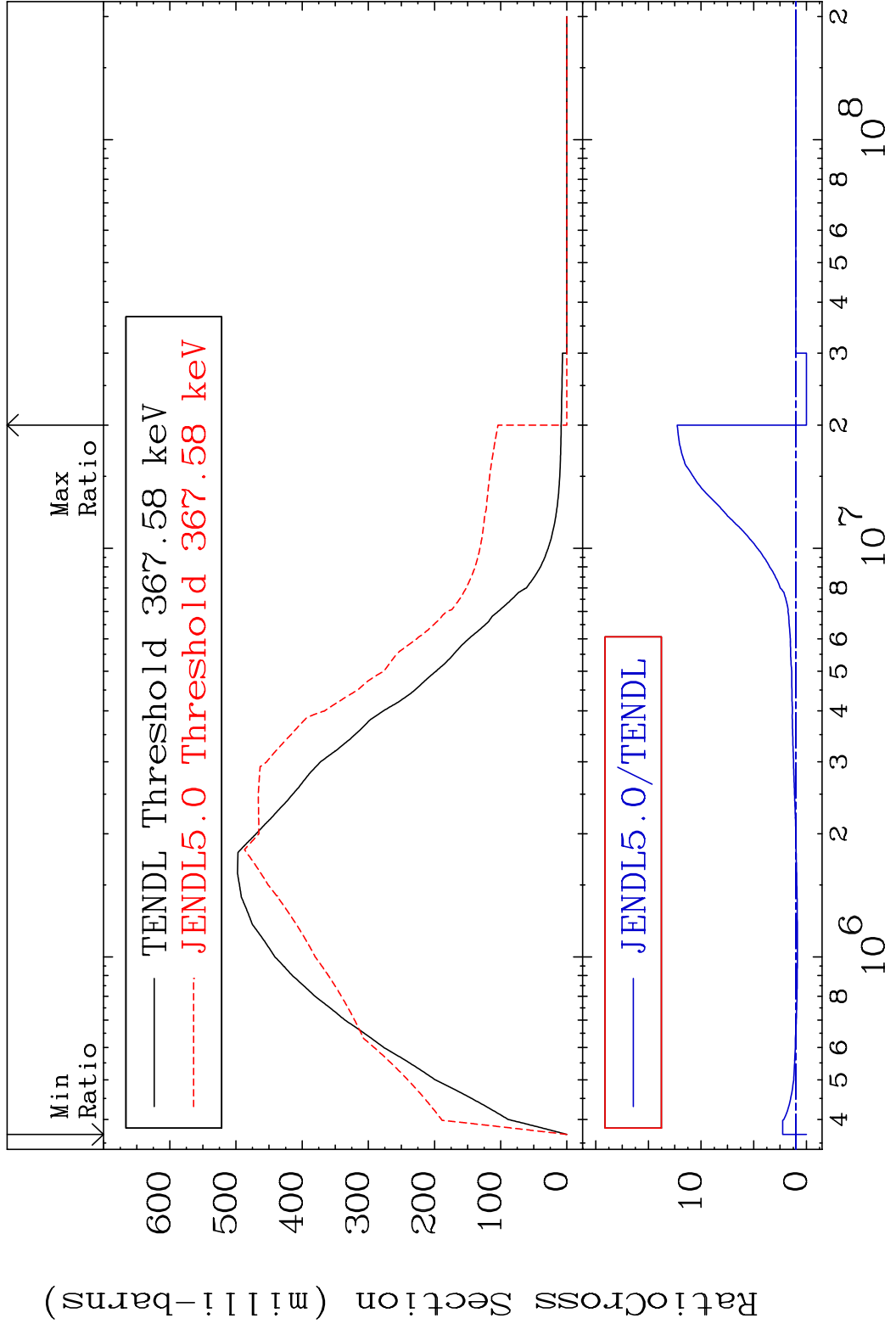


MAT 1028 (n, n') d 10-Ne-21
 Cross Section -100.0 To 15.09 %

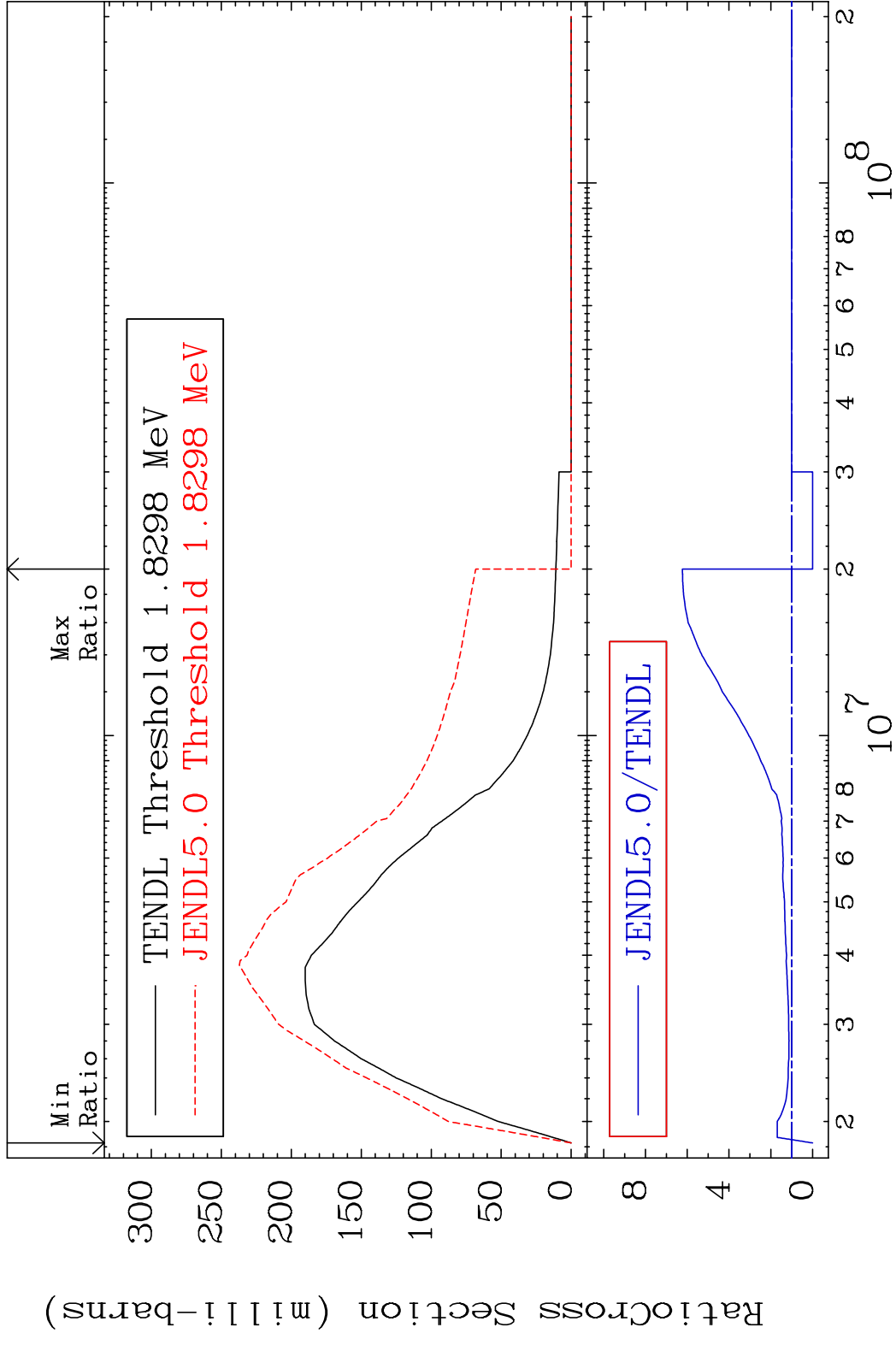


10 Incident Energy (eV) 10-Ne-21

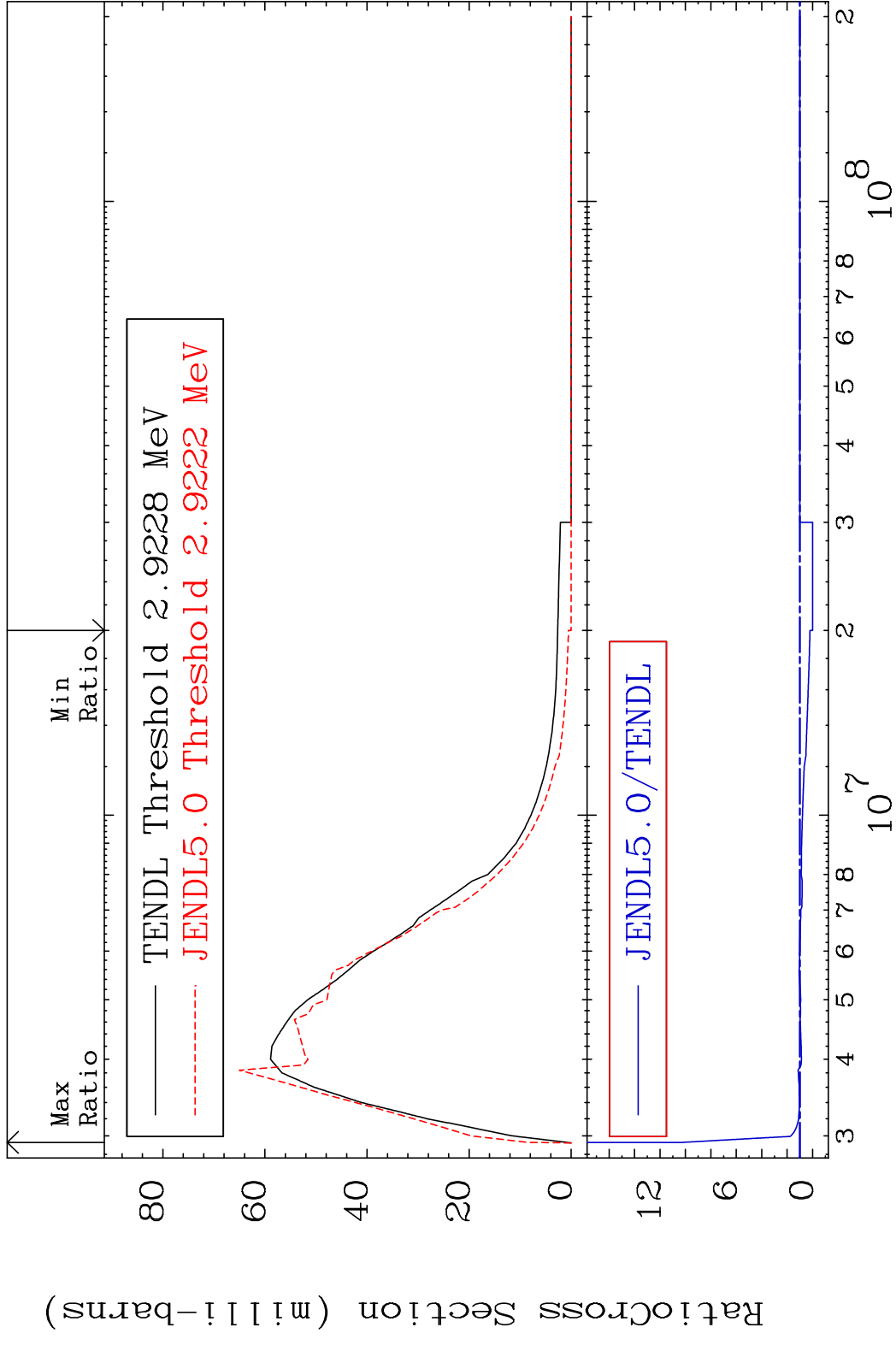
MAT 1028 MT= 51 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 1127. %



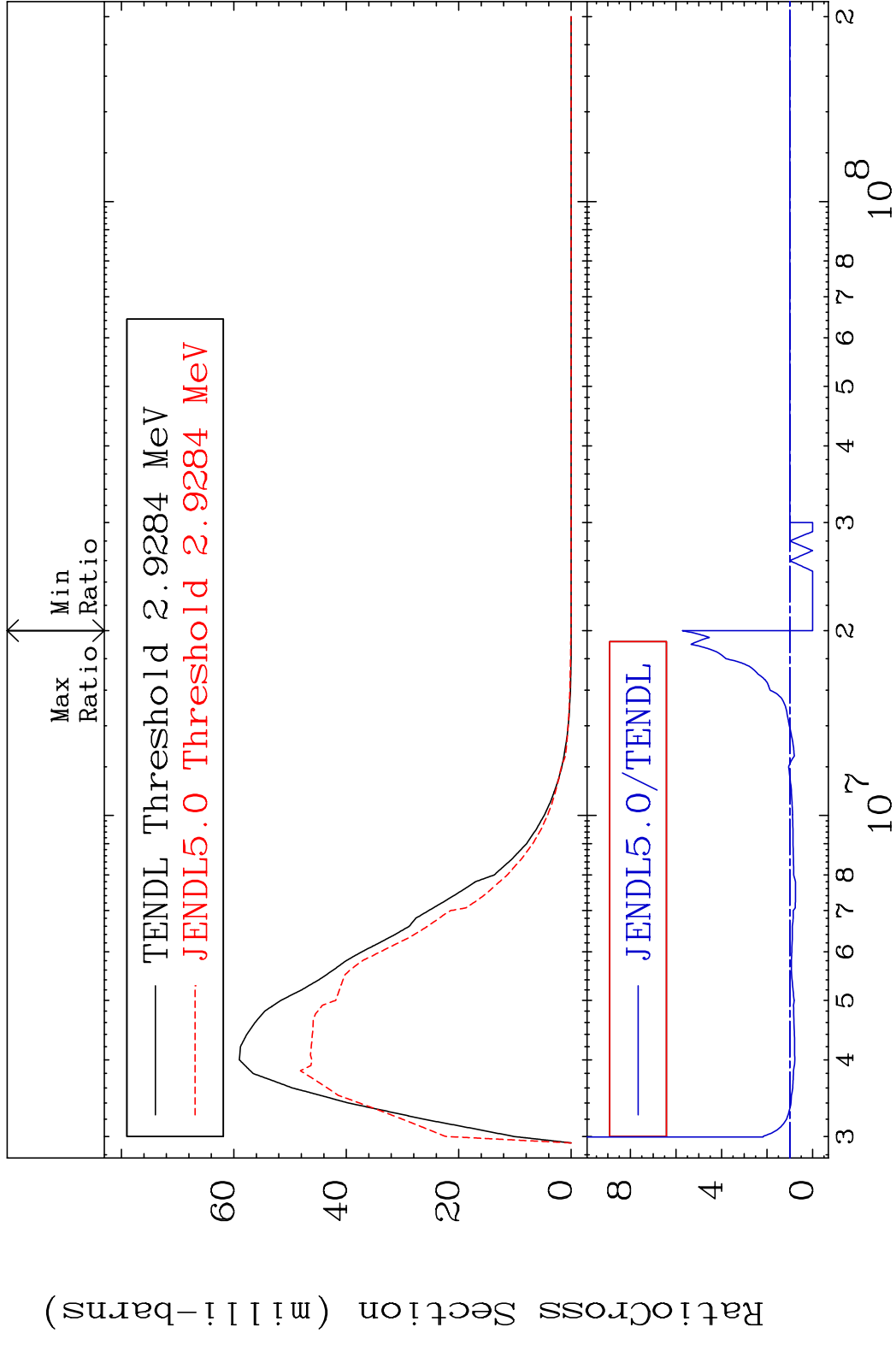
MAT 1028 MT= 52 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 523.4 %



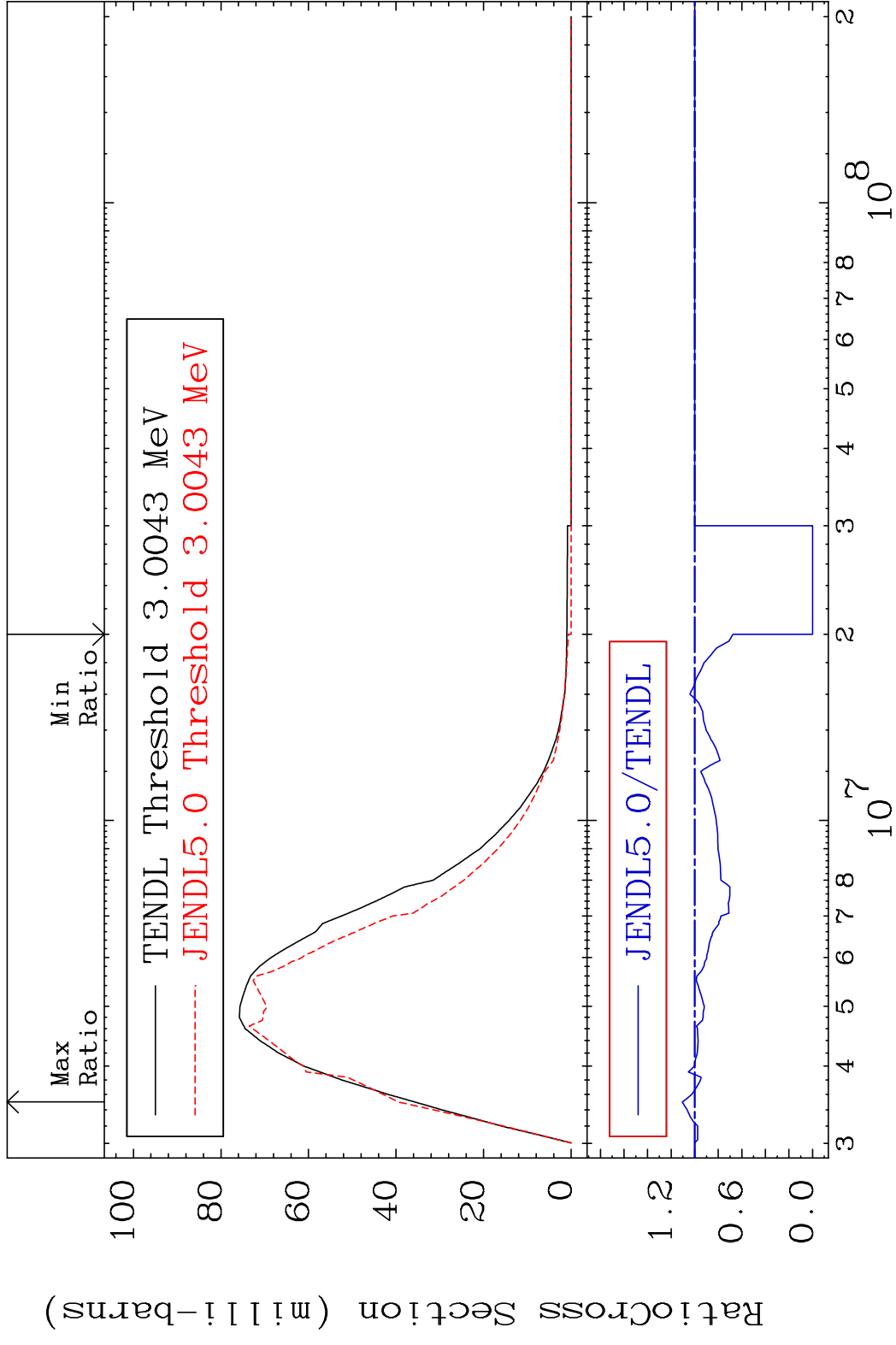
MAT 1028 MT= 53 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 924.2 %



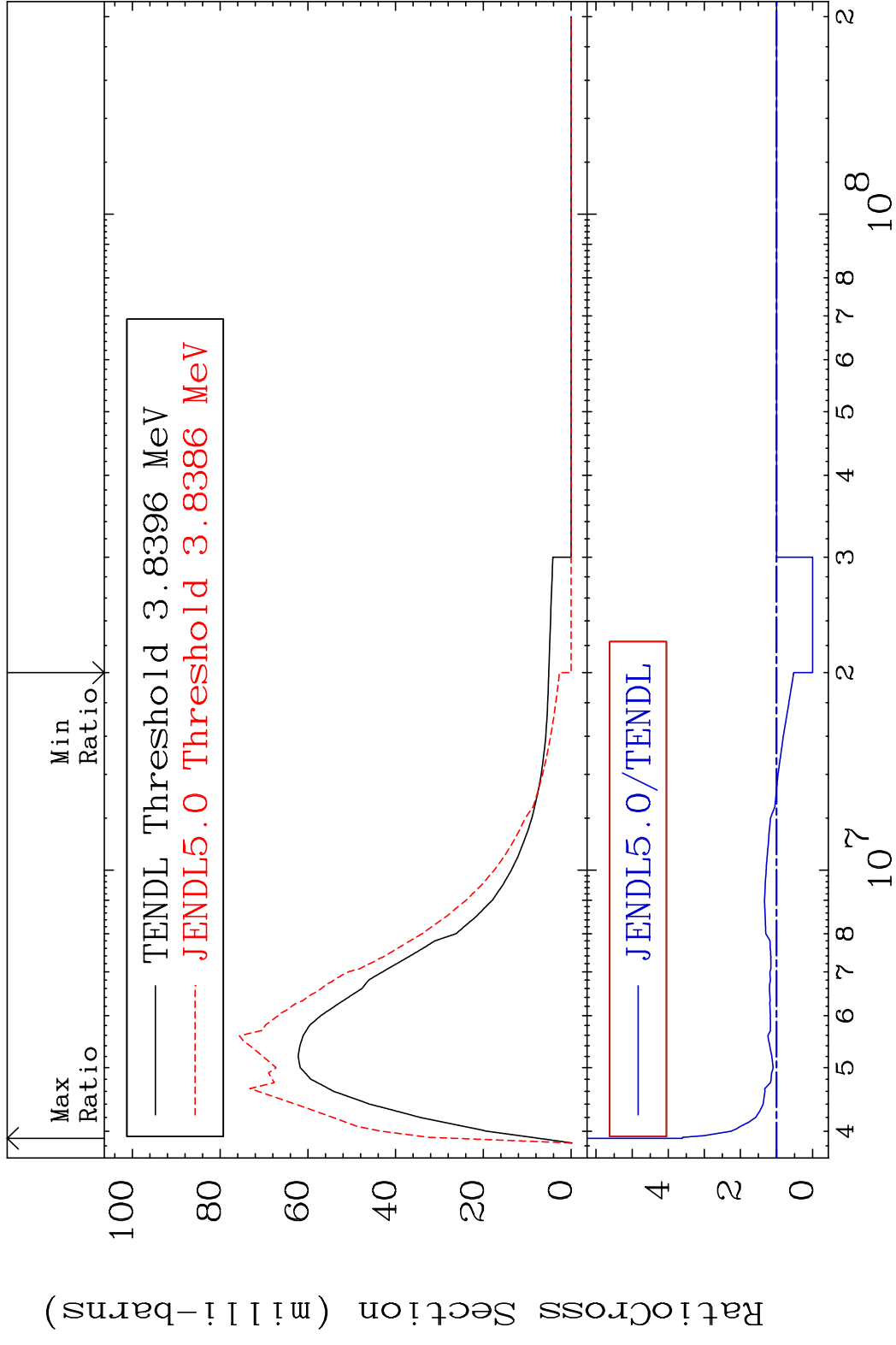
MAT 1028 MT= 54 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 472.2 %



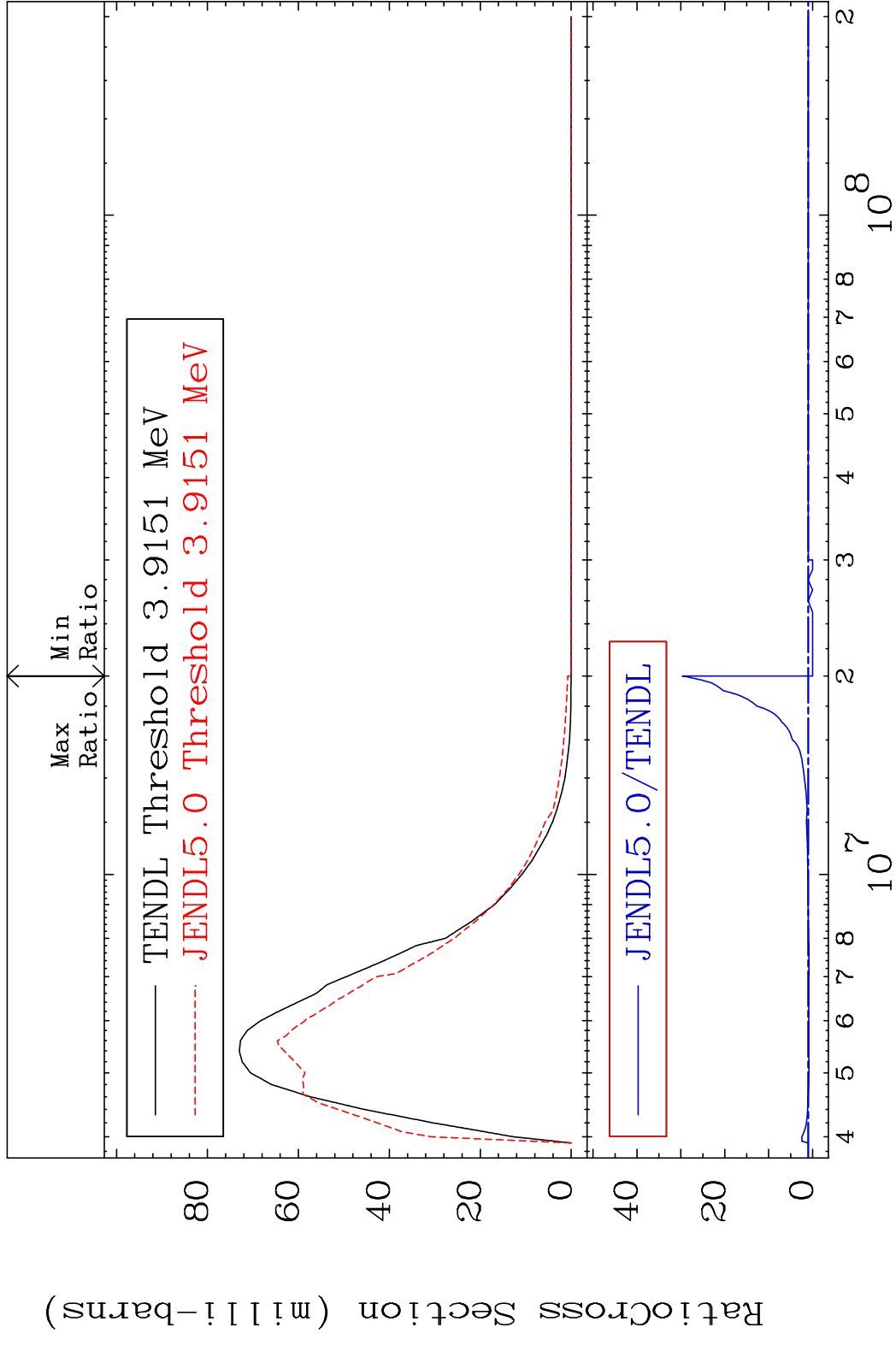
MAT 1028 MT= 55 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 10.48 %



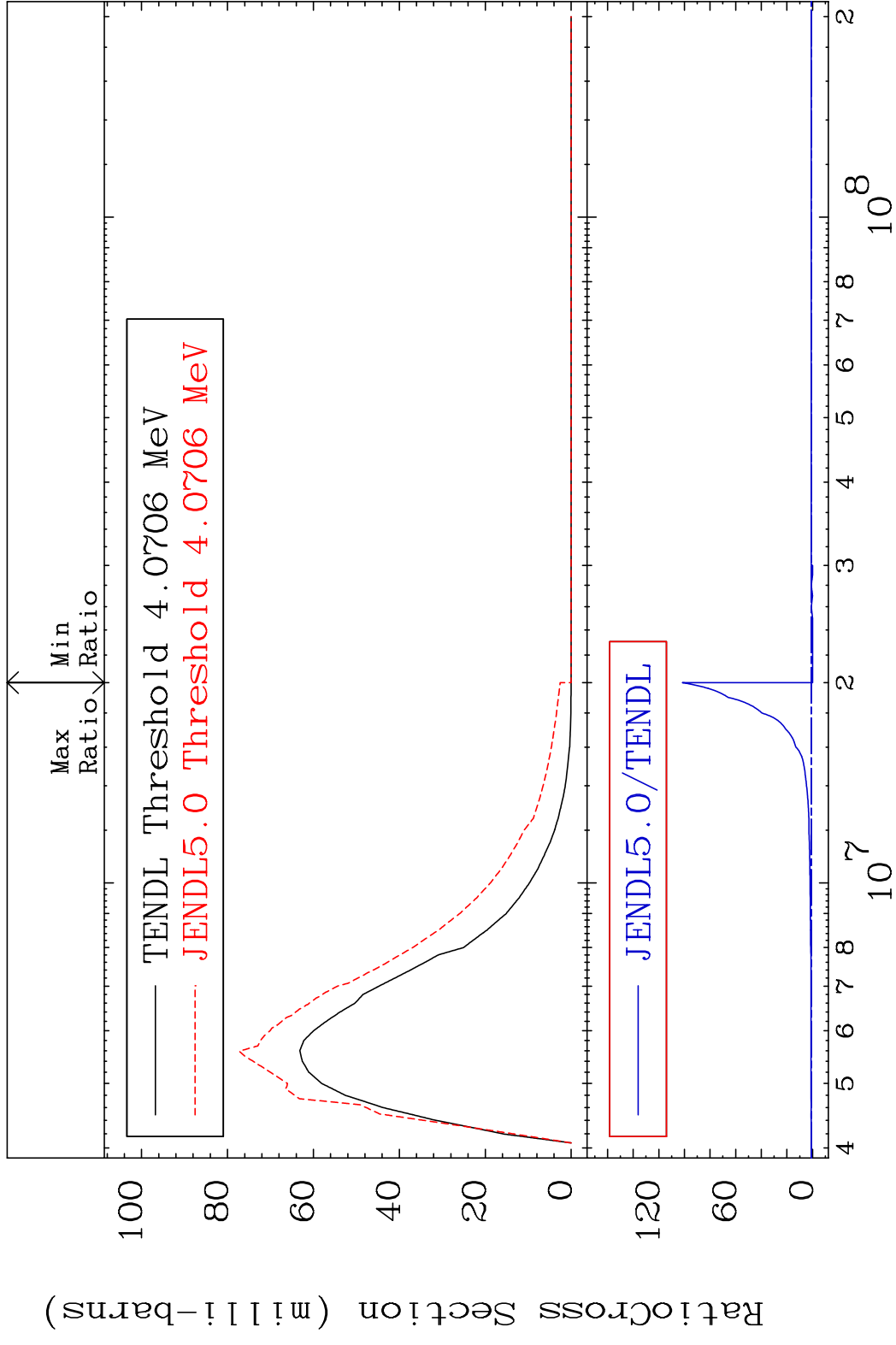
MAT 1028 MT= 56 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 260.9 %



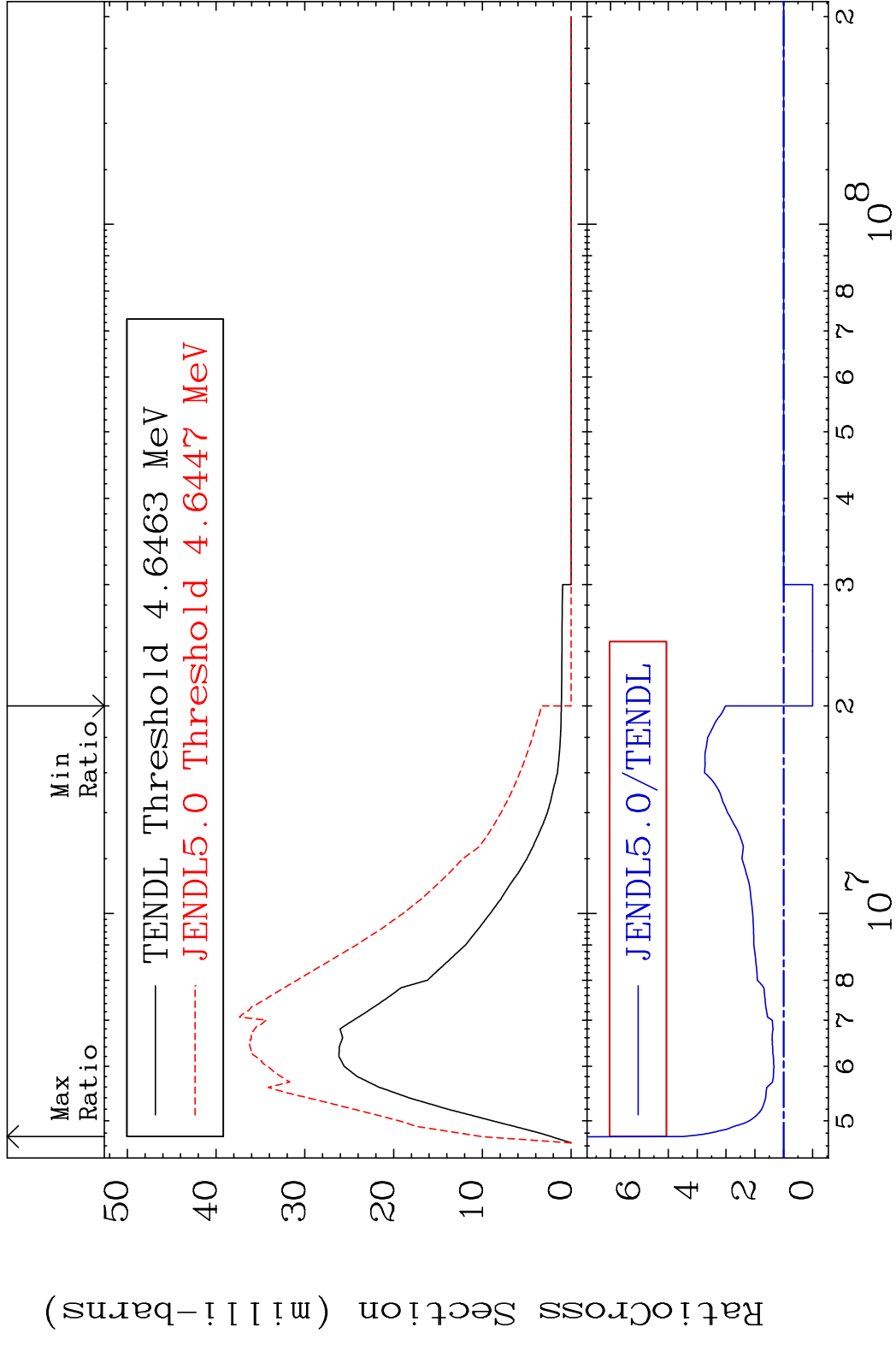
MAT 1028 MT= 57 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 2866. %



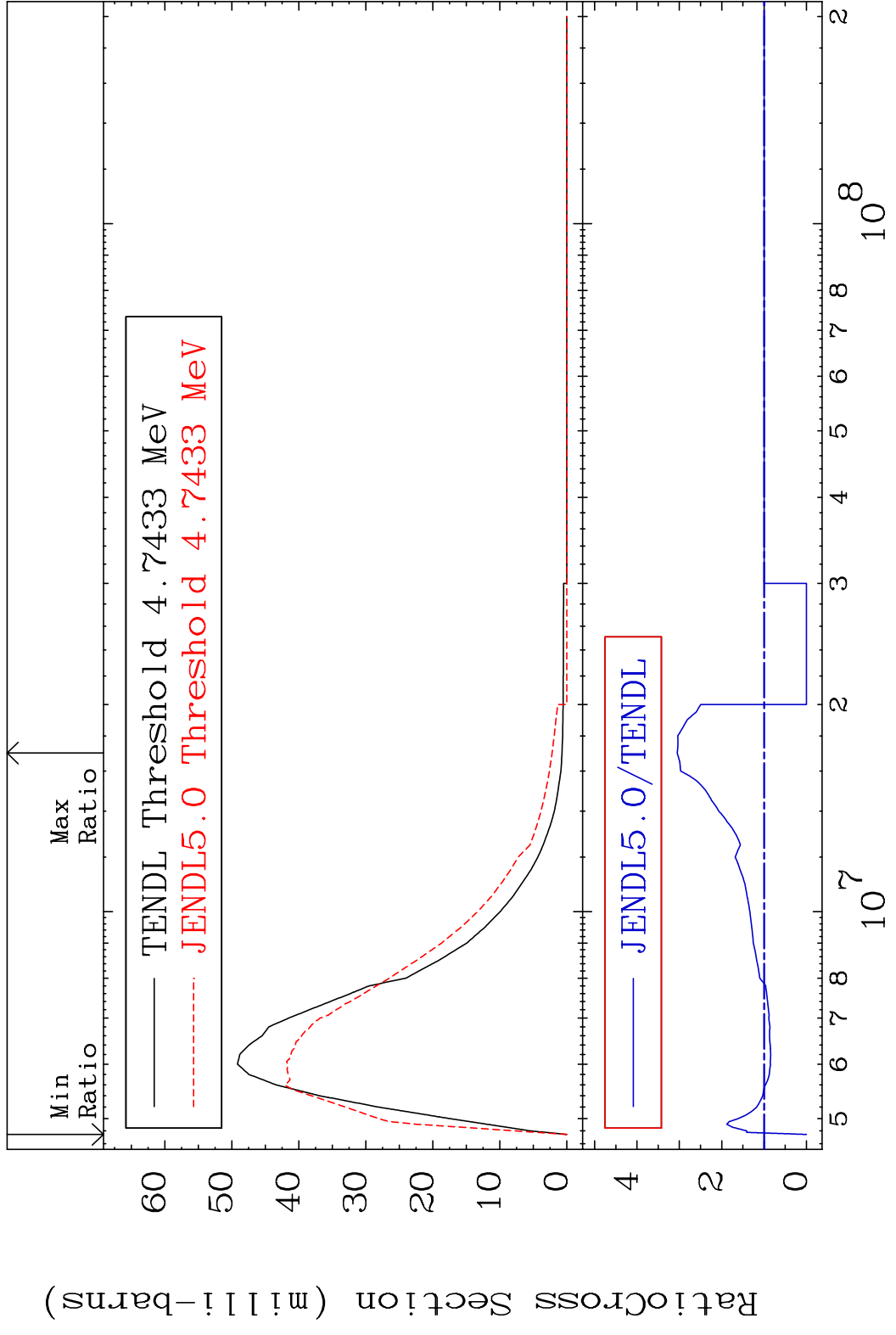
MAT 1028 MT= 58 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %



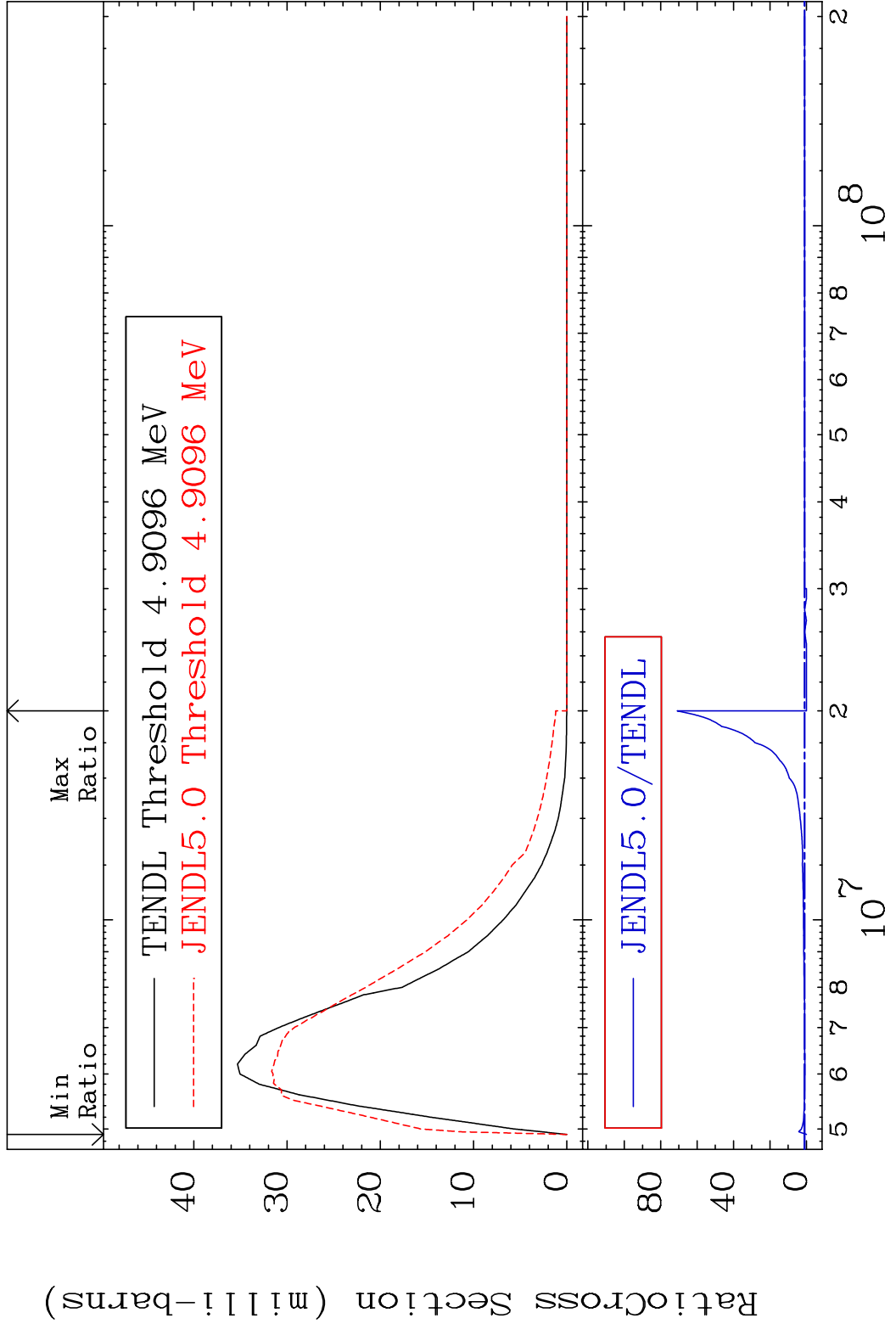
MAT 1028 MT= 59 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 351.1 %



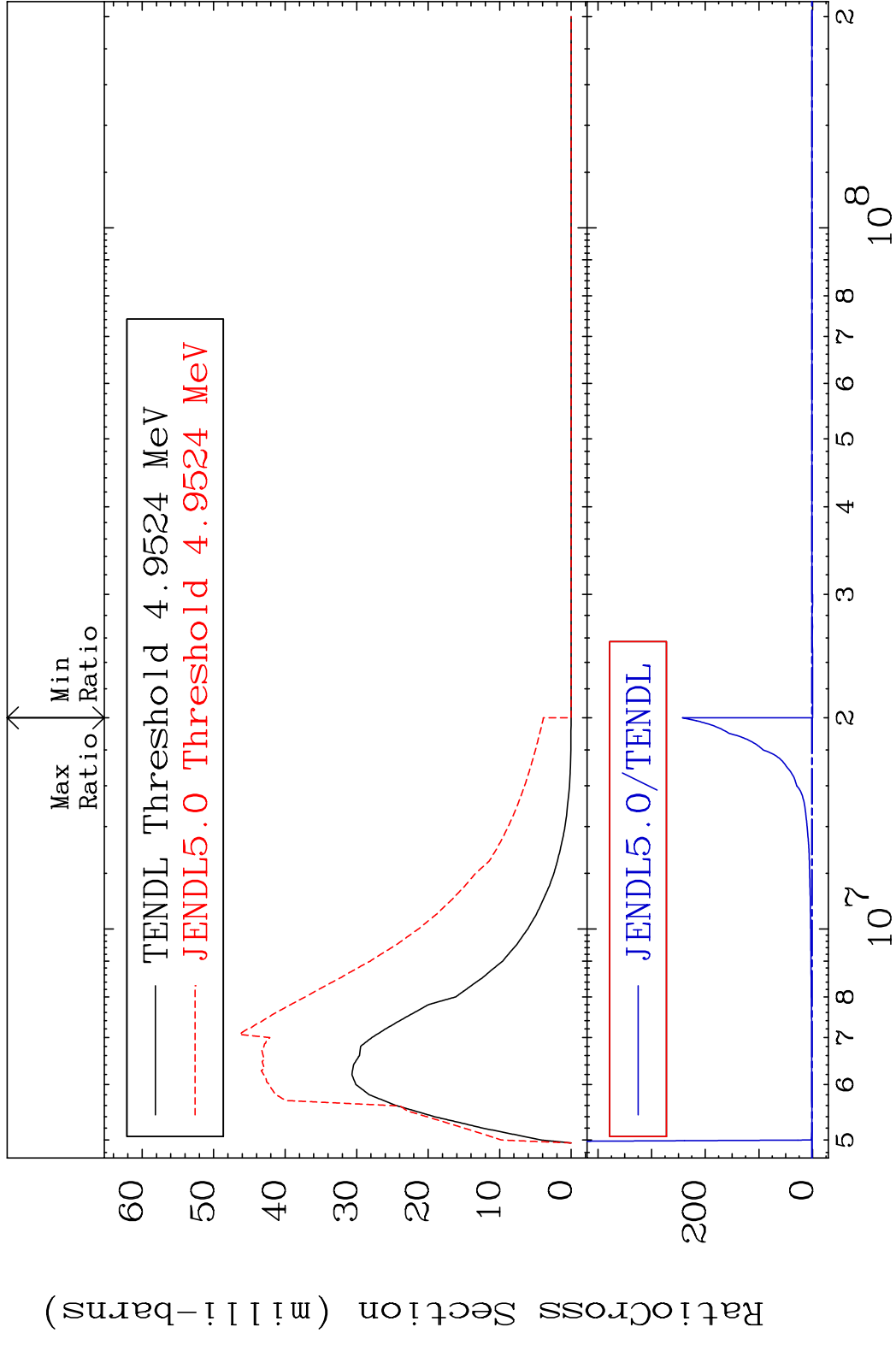
MAT 1028 MT= 60 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 205.1 %



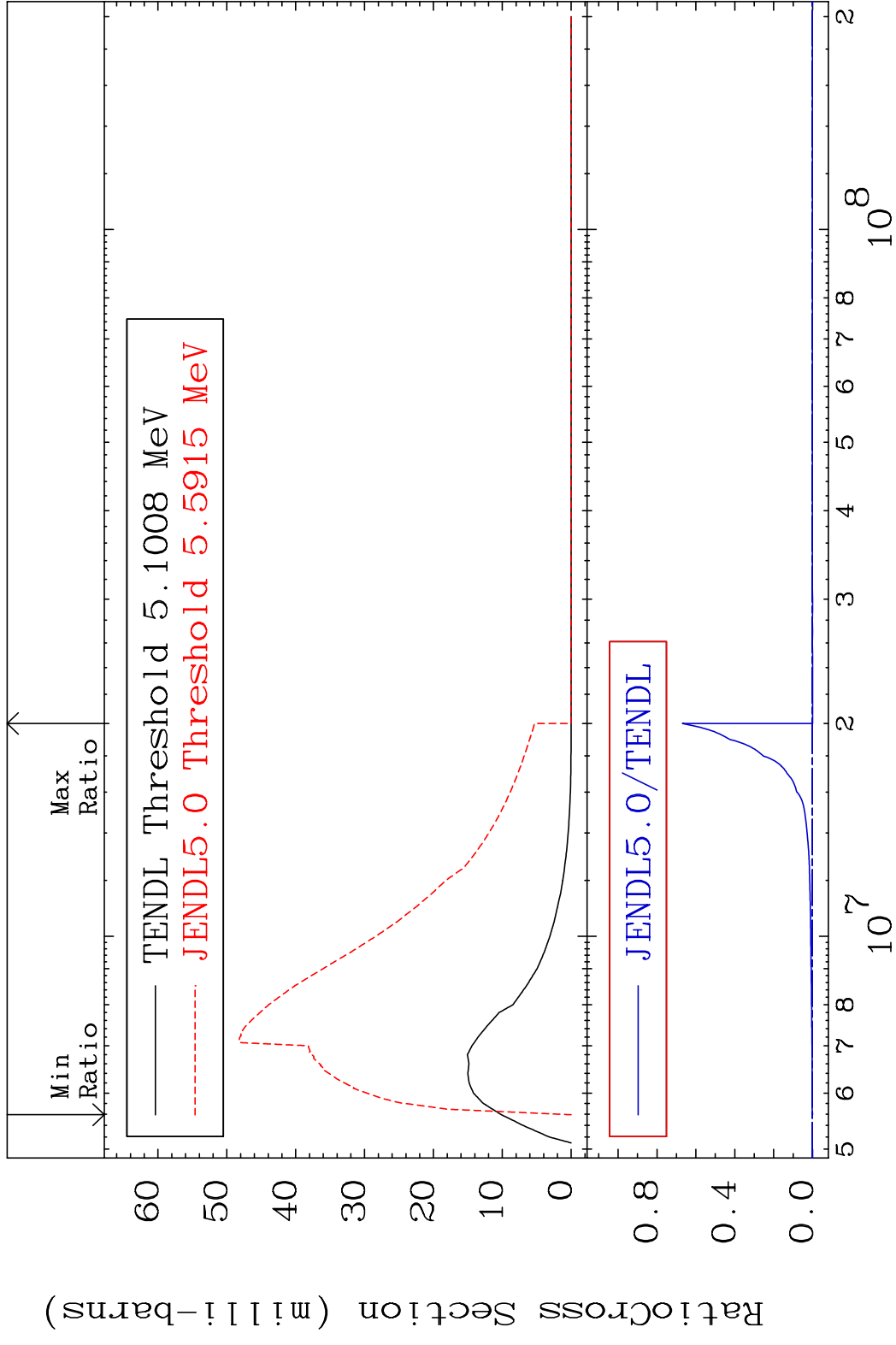
MAT 1028 MT= 61 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 6995. %



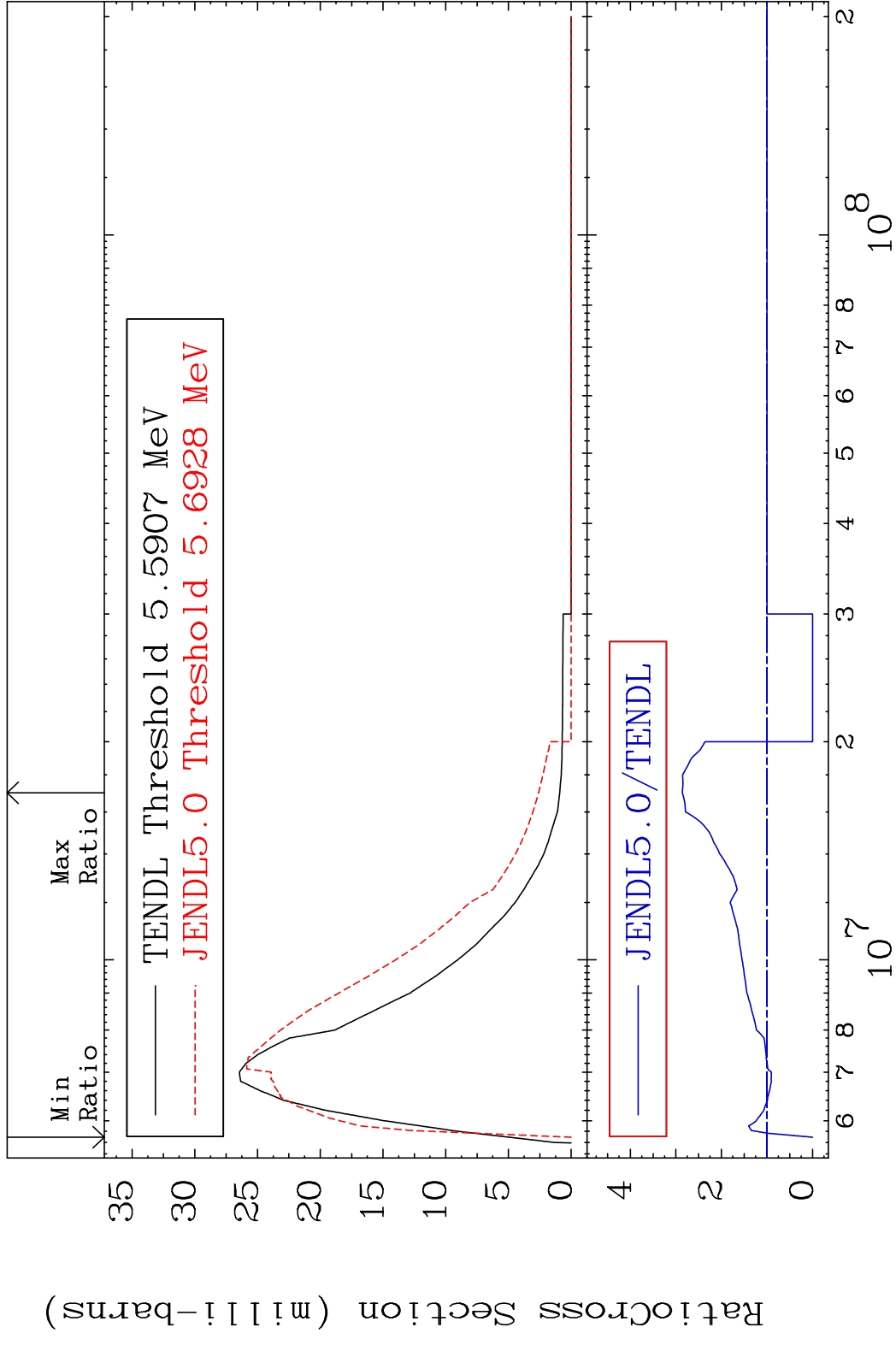
MAT 1028 MT= 62 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %



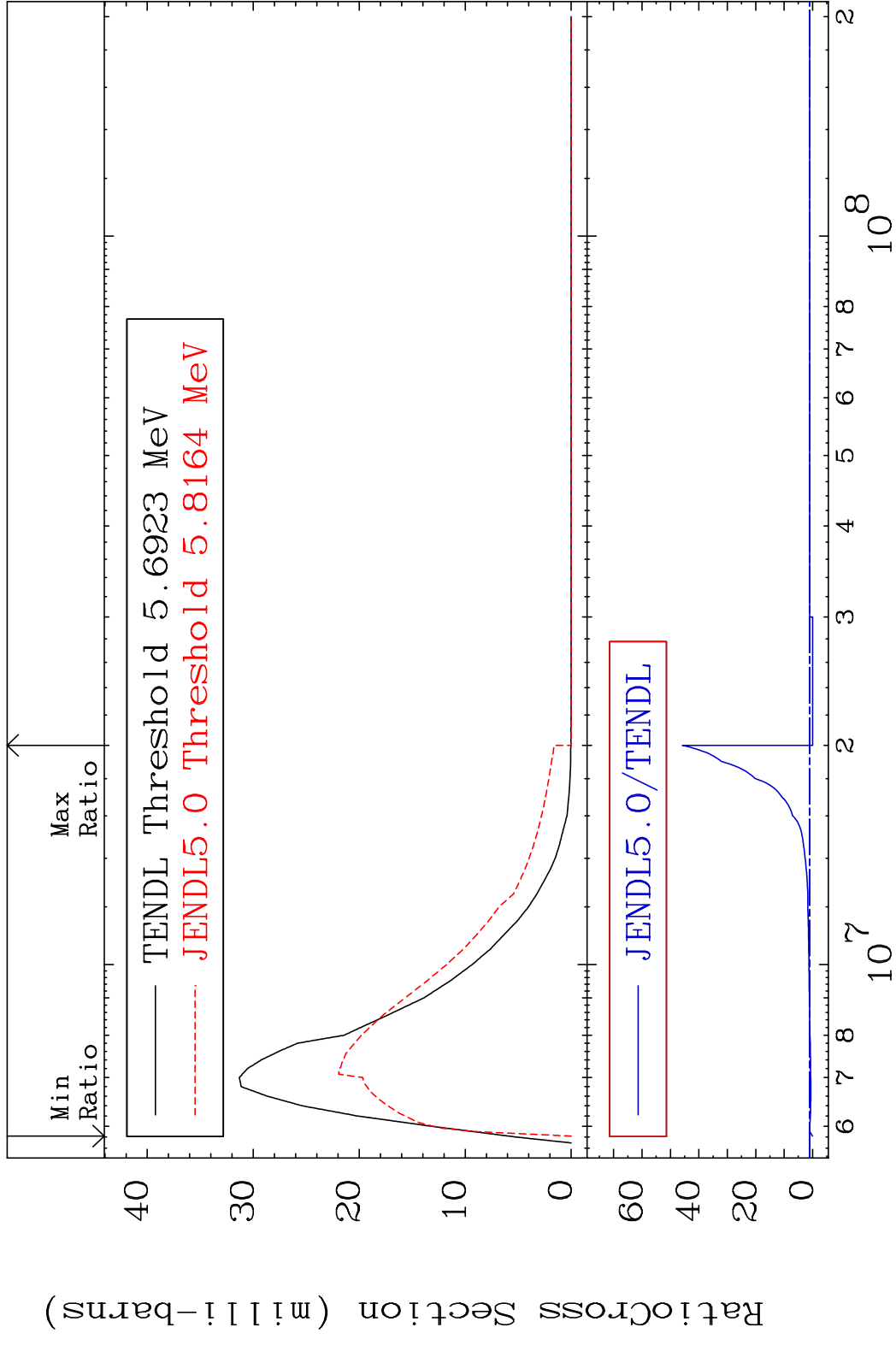
MAT 1028 MT= 63 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %



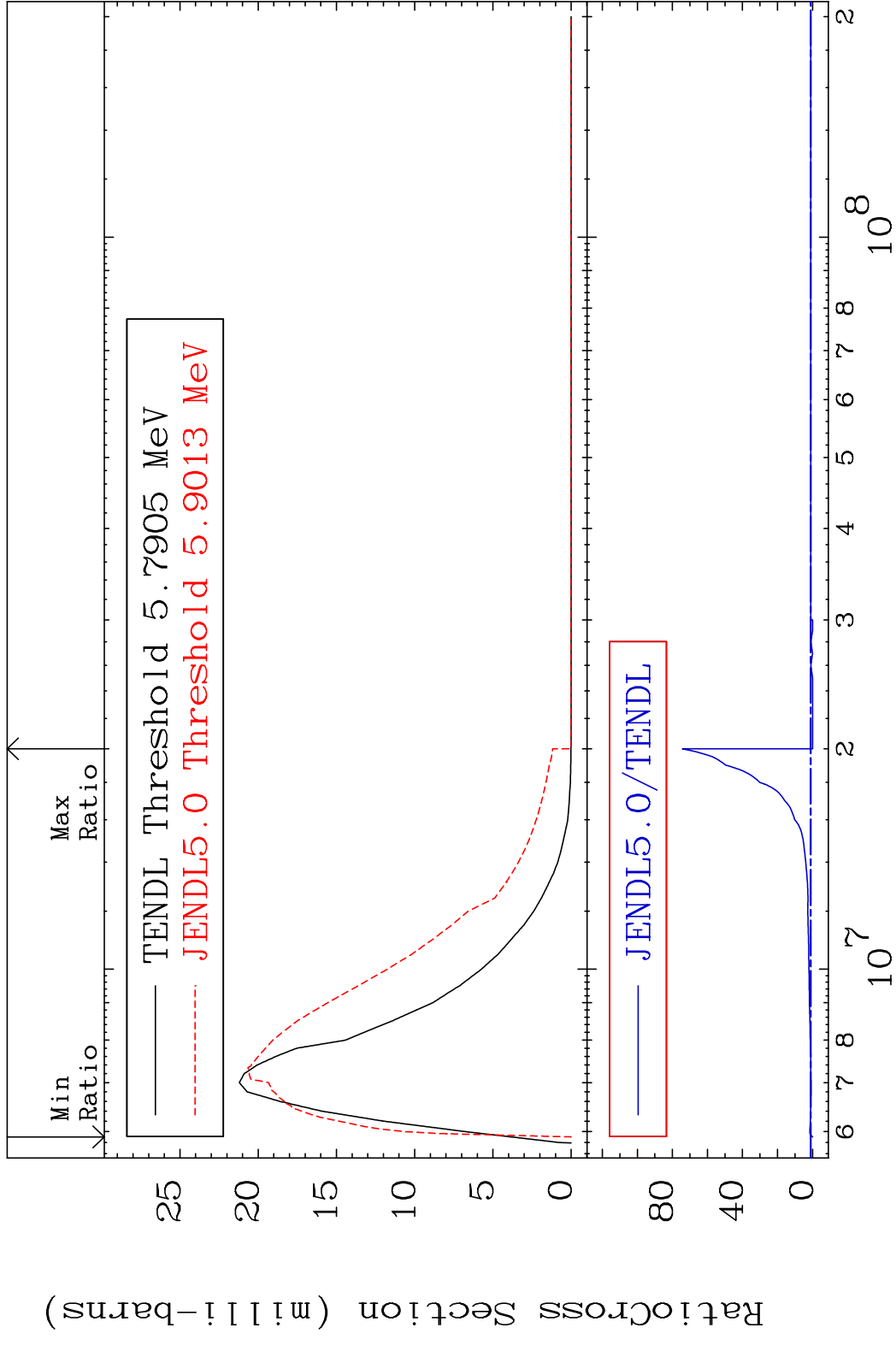
MAT 1028 MT= 64 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 185.8 %



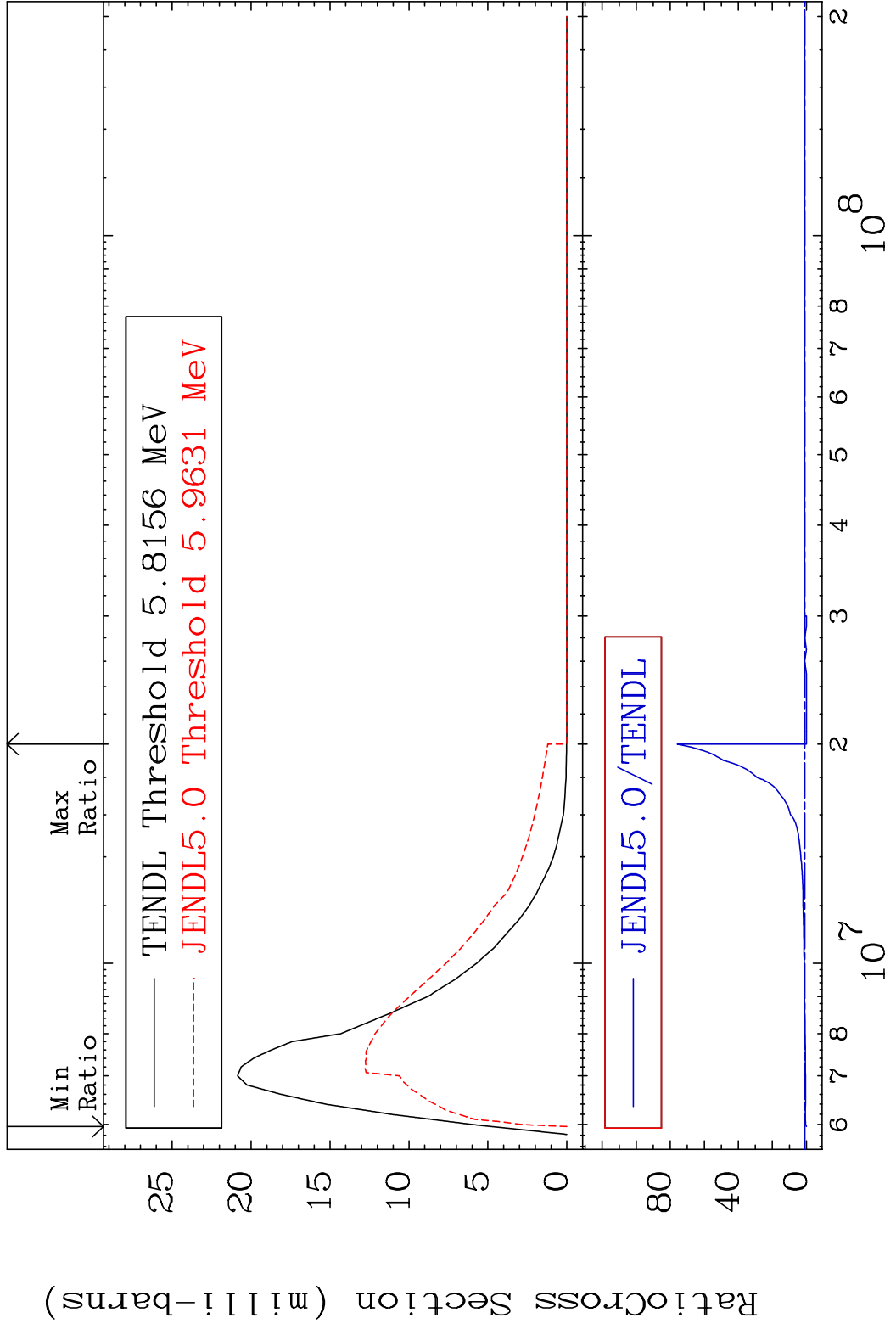
MAT 1028 MT= 65 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 4481. %



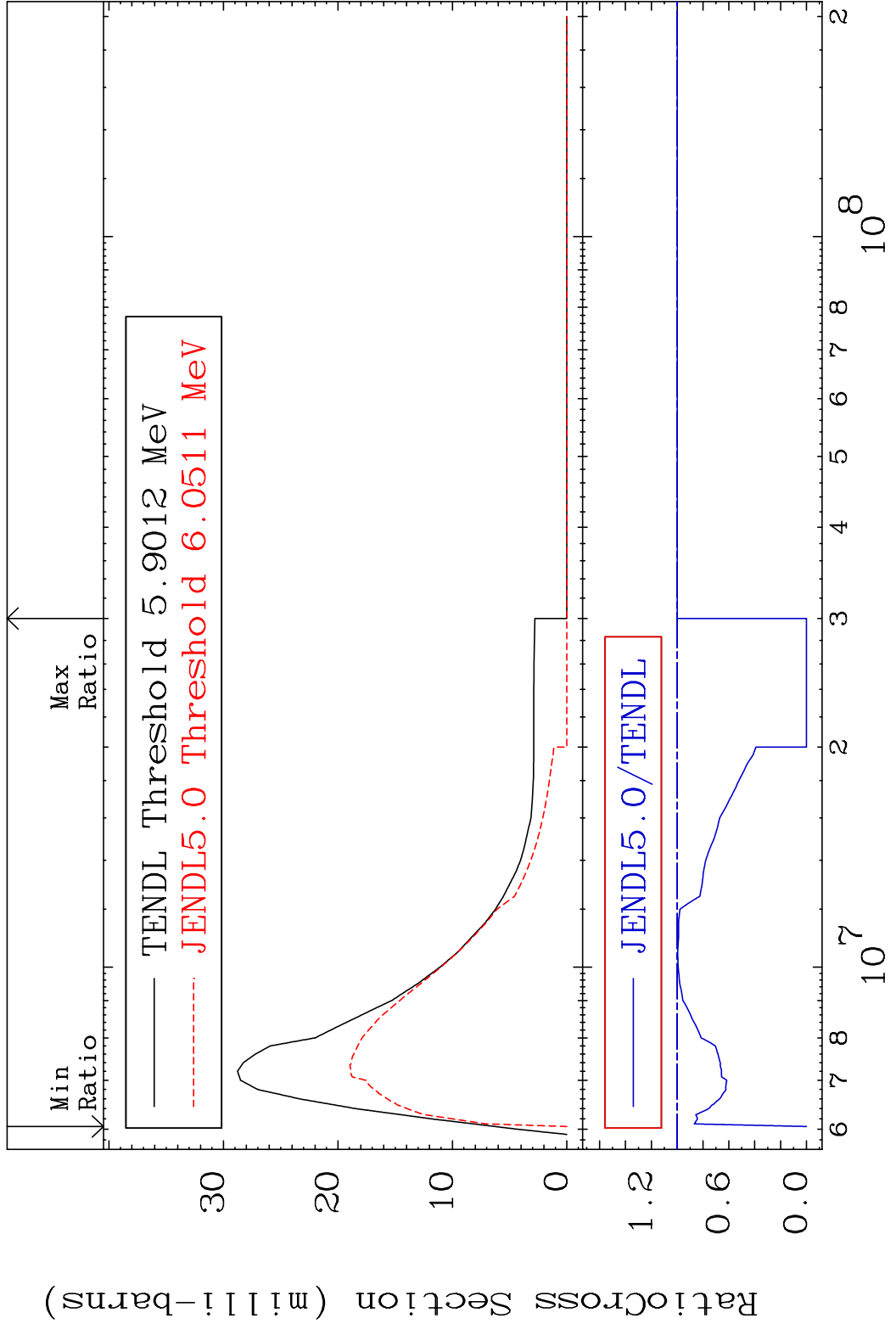
MAT 1028 MT= 66 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 7332. %



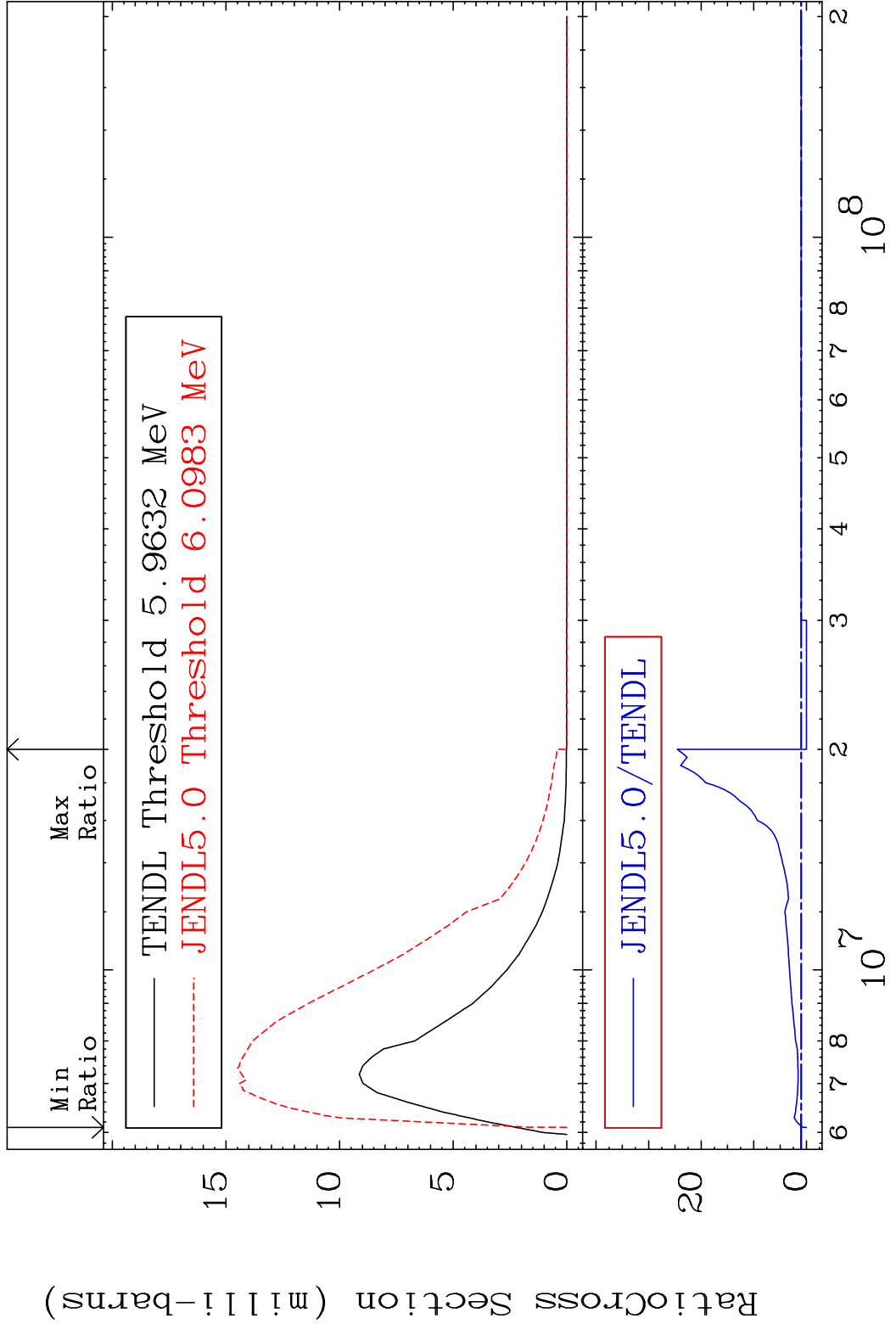
MAT 1028 MT= 67 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 7493. %



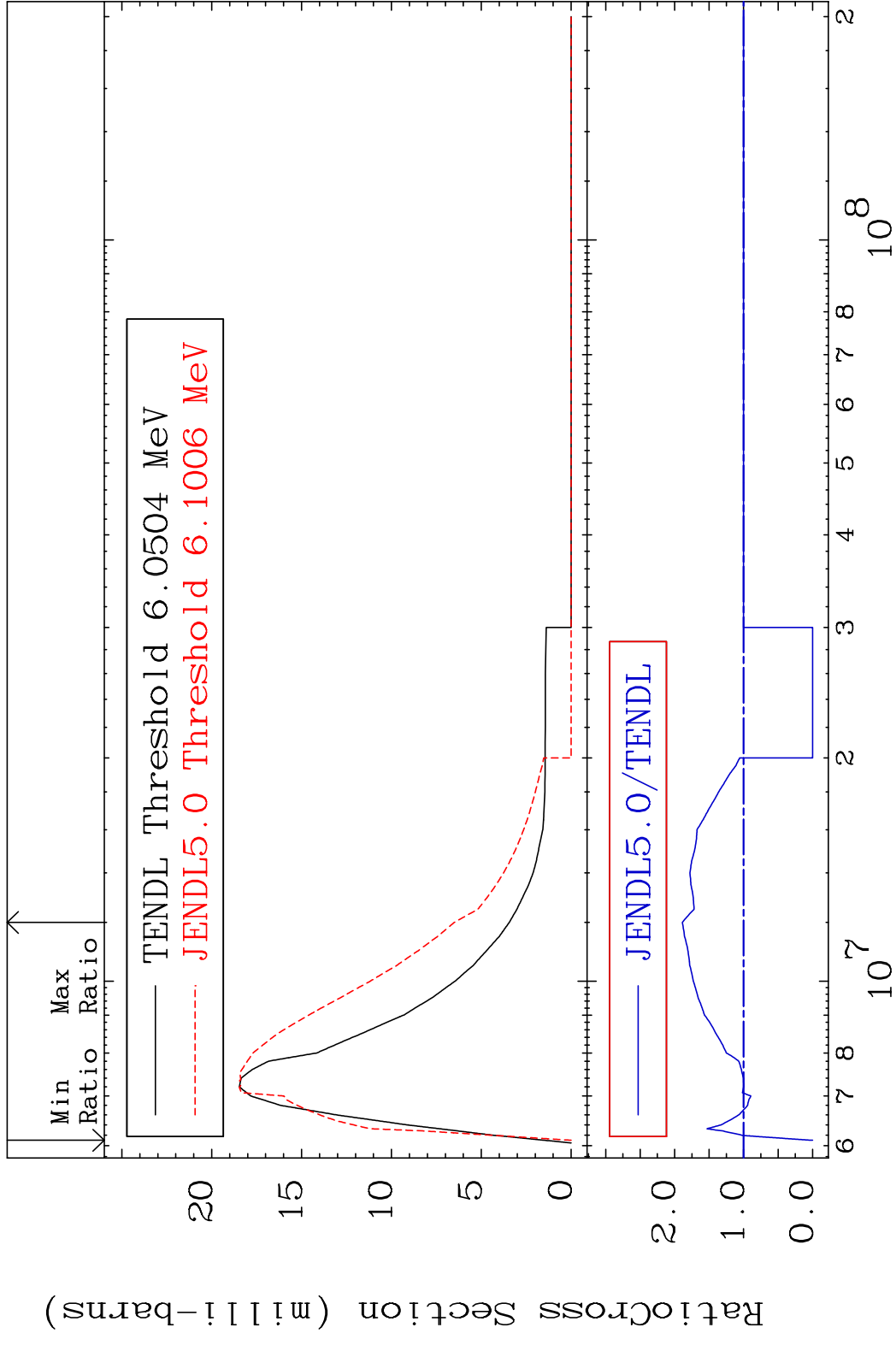
MAT 1028 MT= 68 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 0.000 %



MAT 1028 MT= 69 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 2357. %

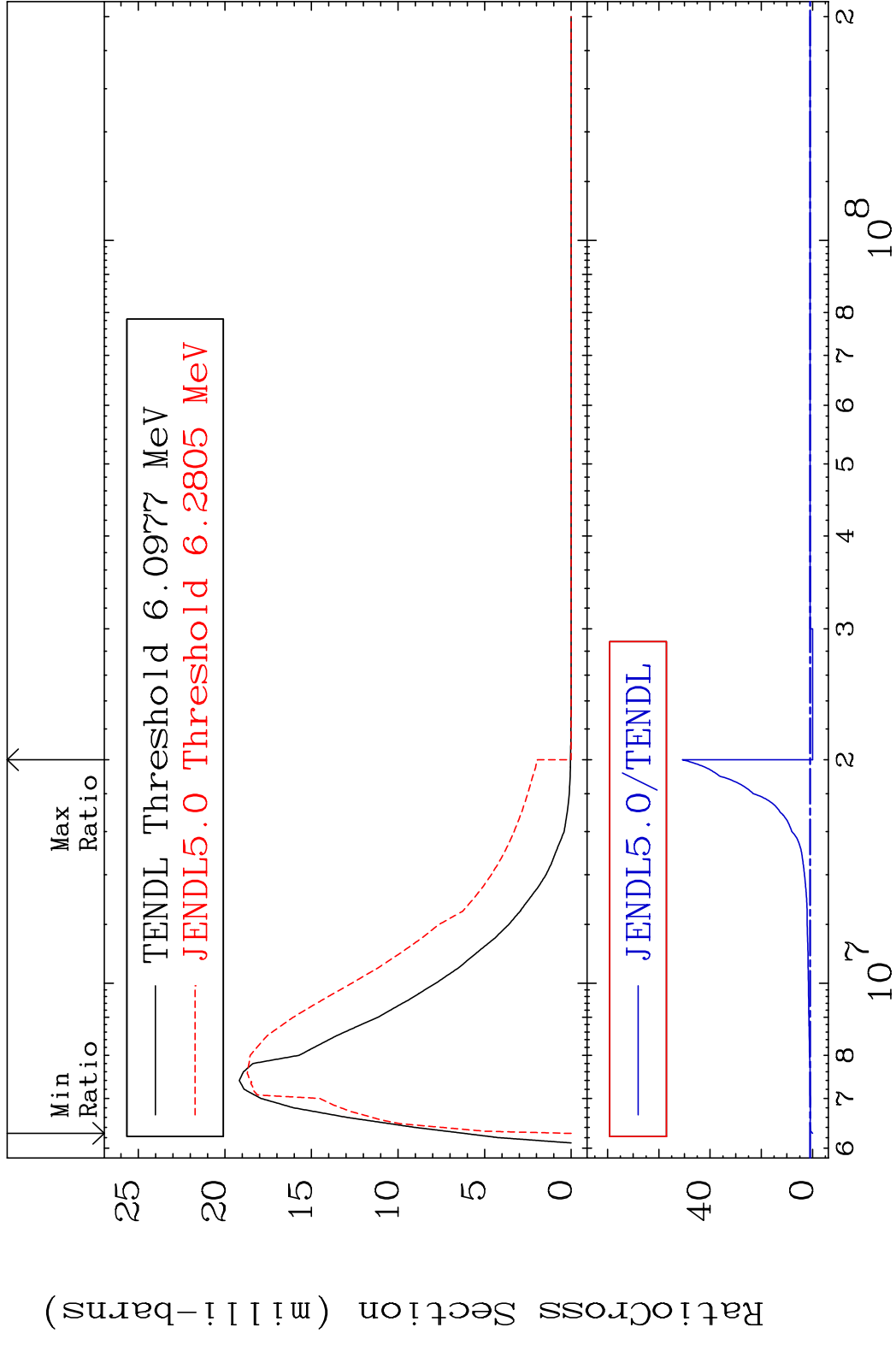


MAT 1028 MT= 70 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 88.82 %

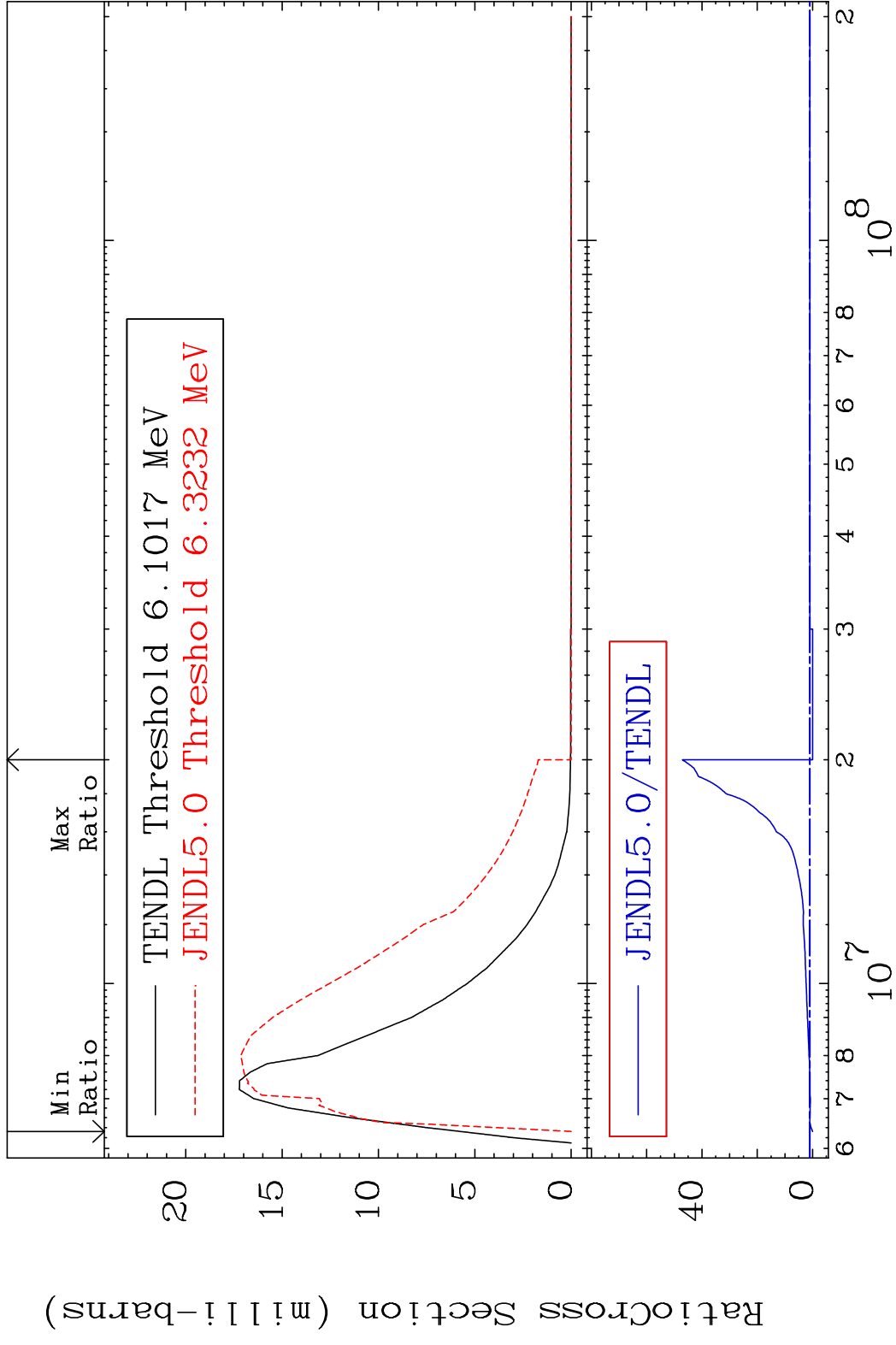


30 Incident Energy (eV) 10-Ne-21

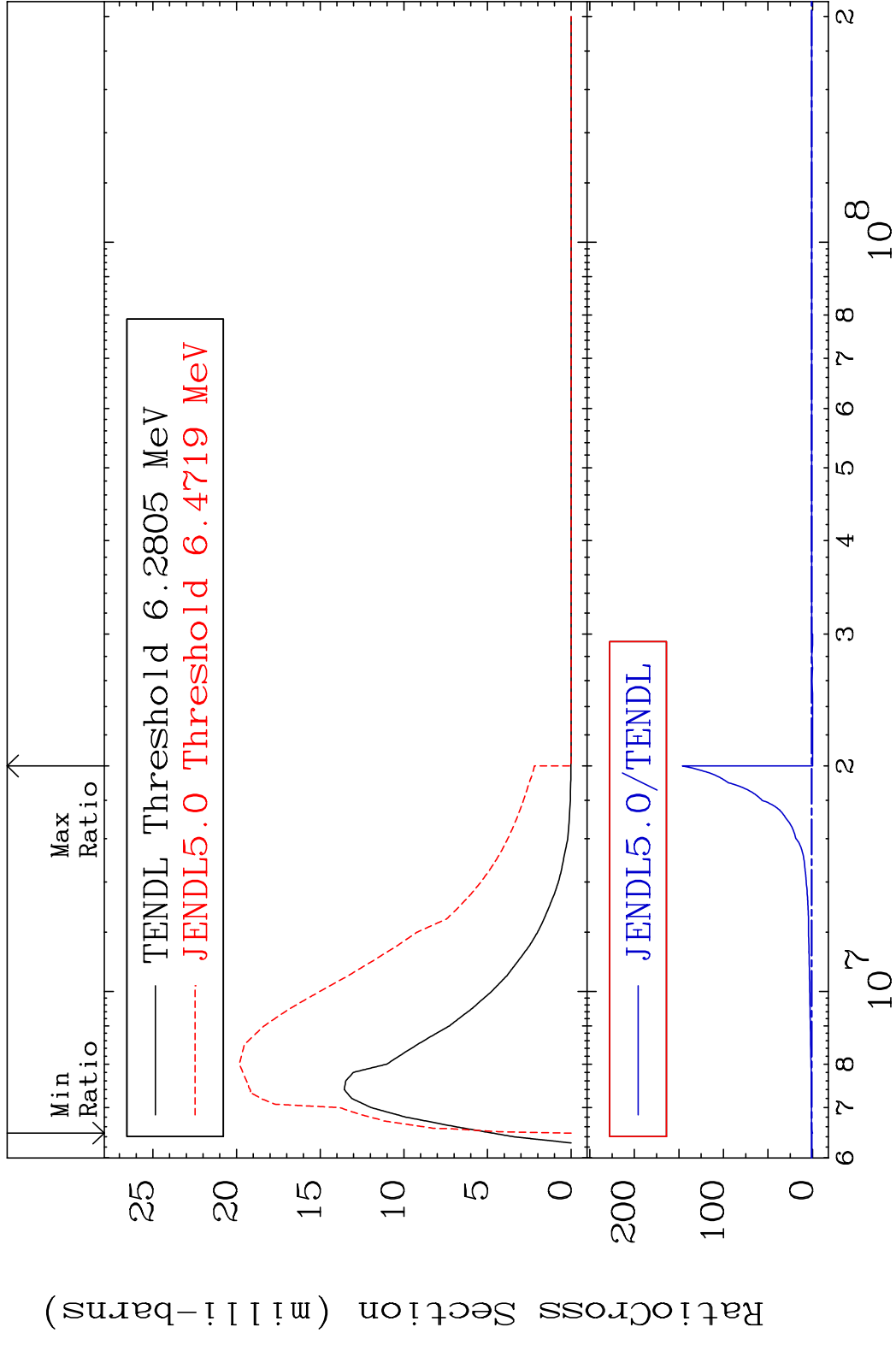
MAT 1028 MT= 71 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 4982. %



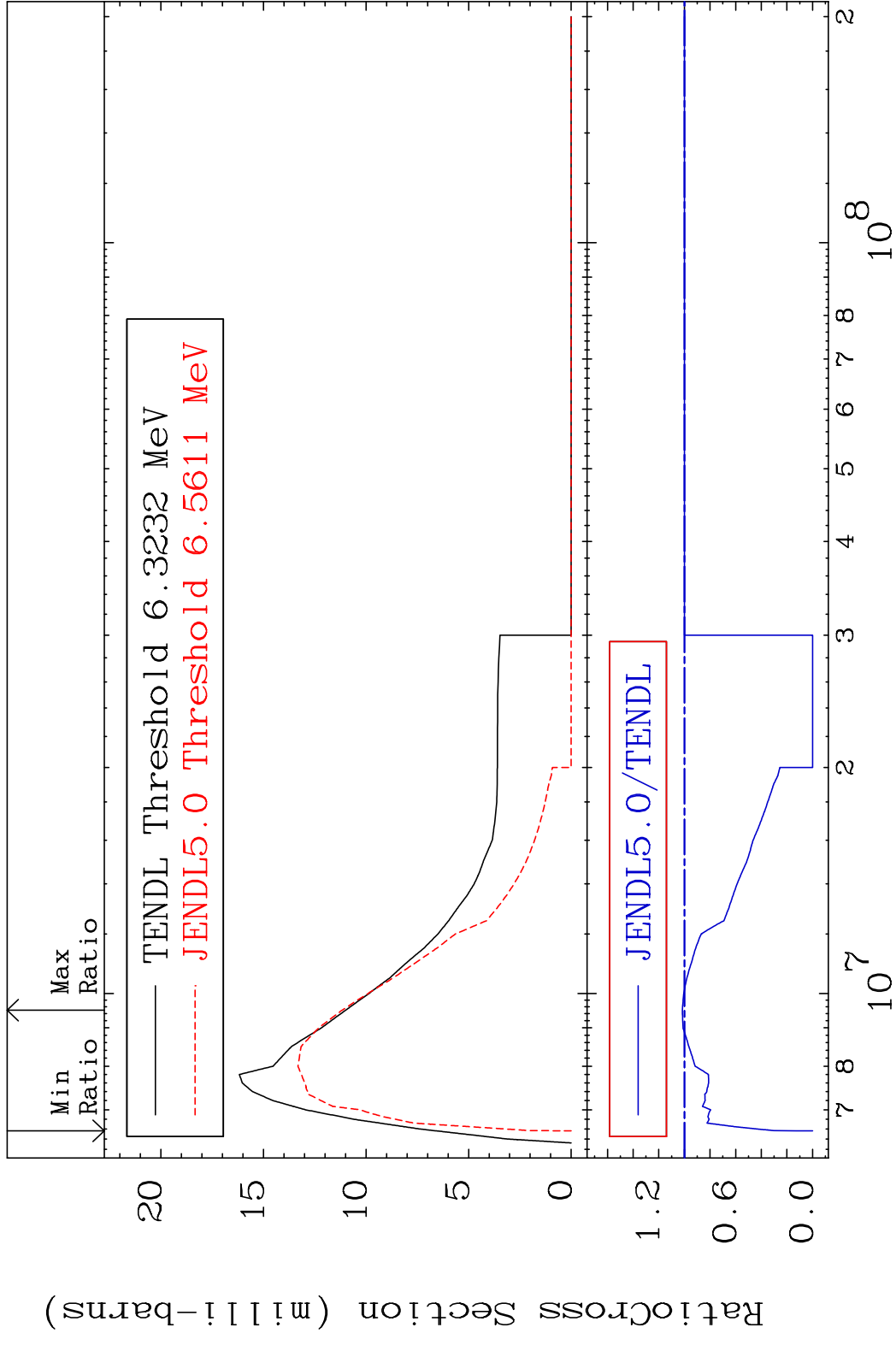
MAT 1028 MT= 72 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 4609. %



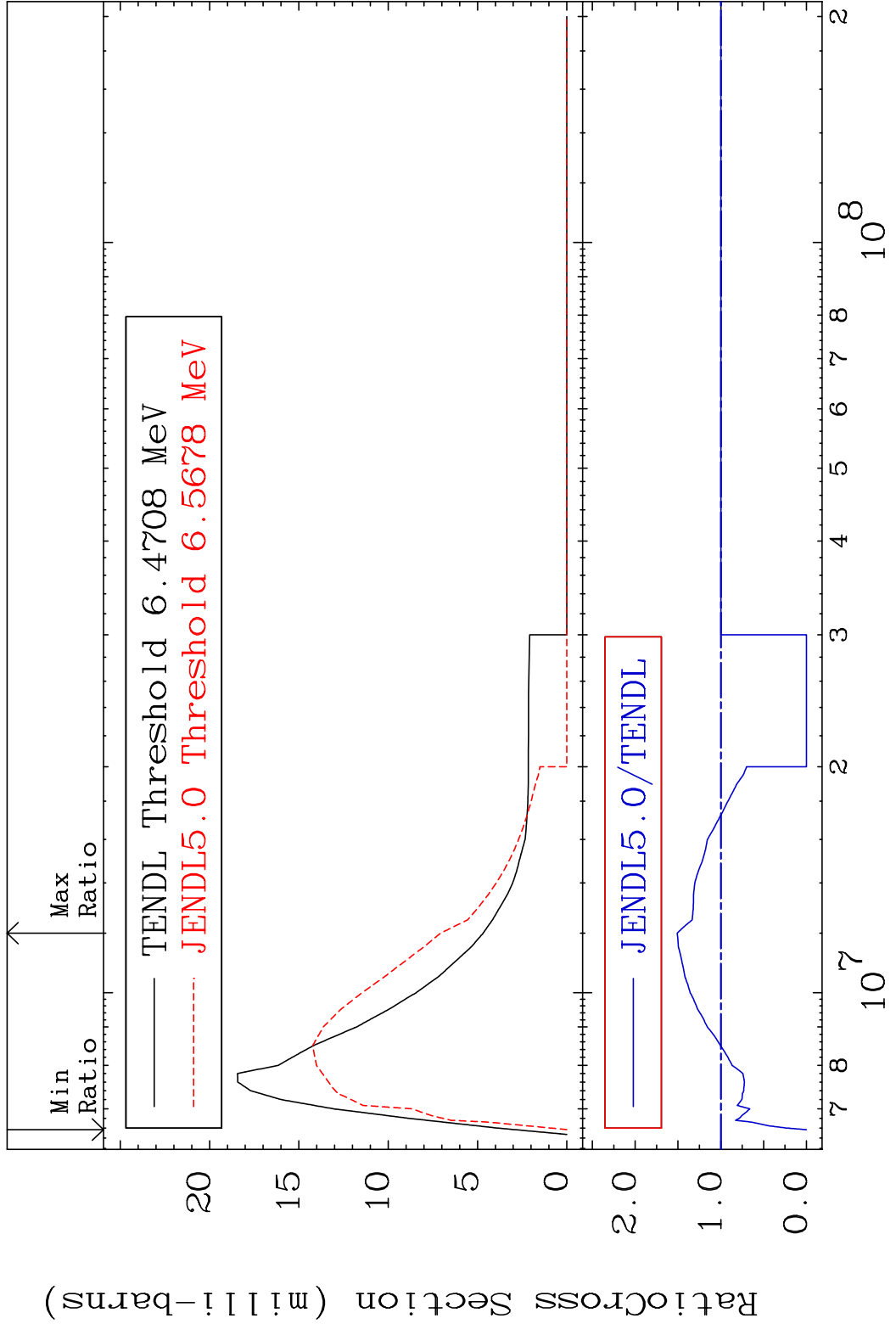
MAT 1028 MT= 73 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %



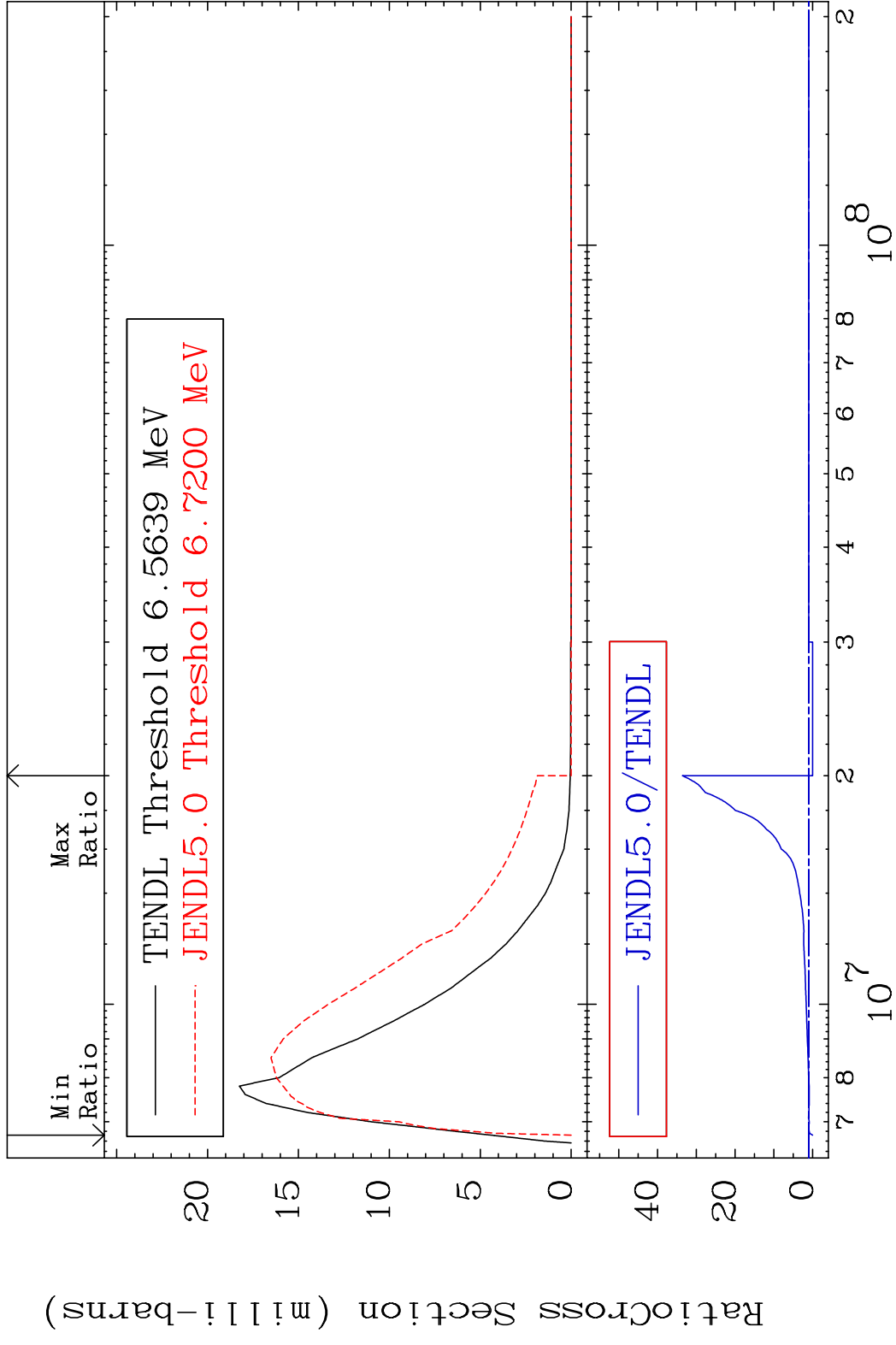
MAT 1028 MT= 74 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 1.585 %



MAT 1028 MT= 75 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 50.95 %

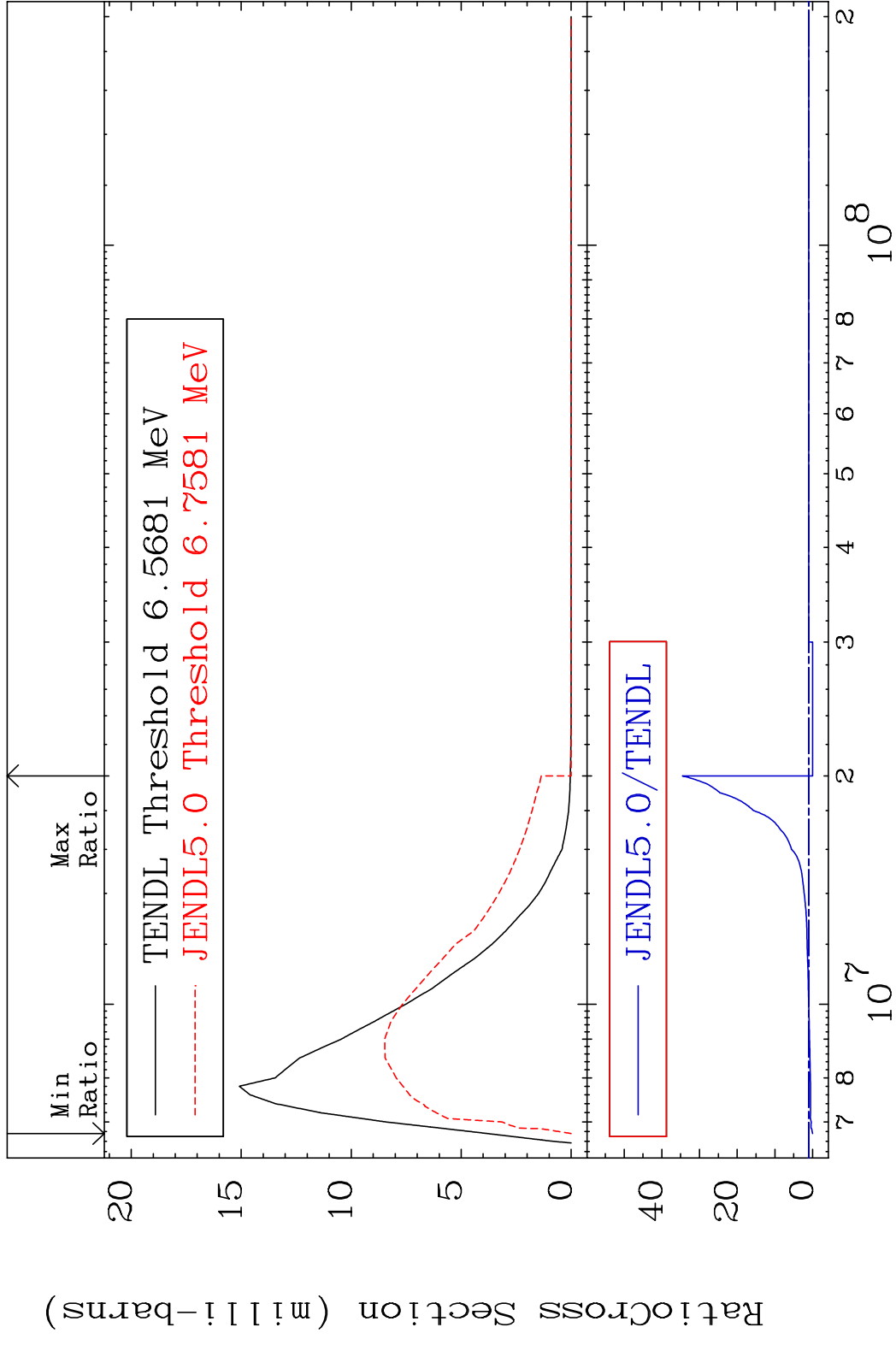


MAT 1028 MT= 76 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 3261. %

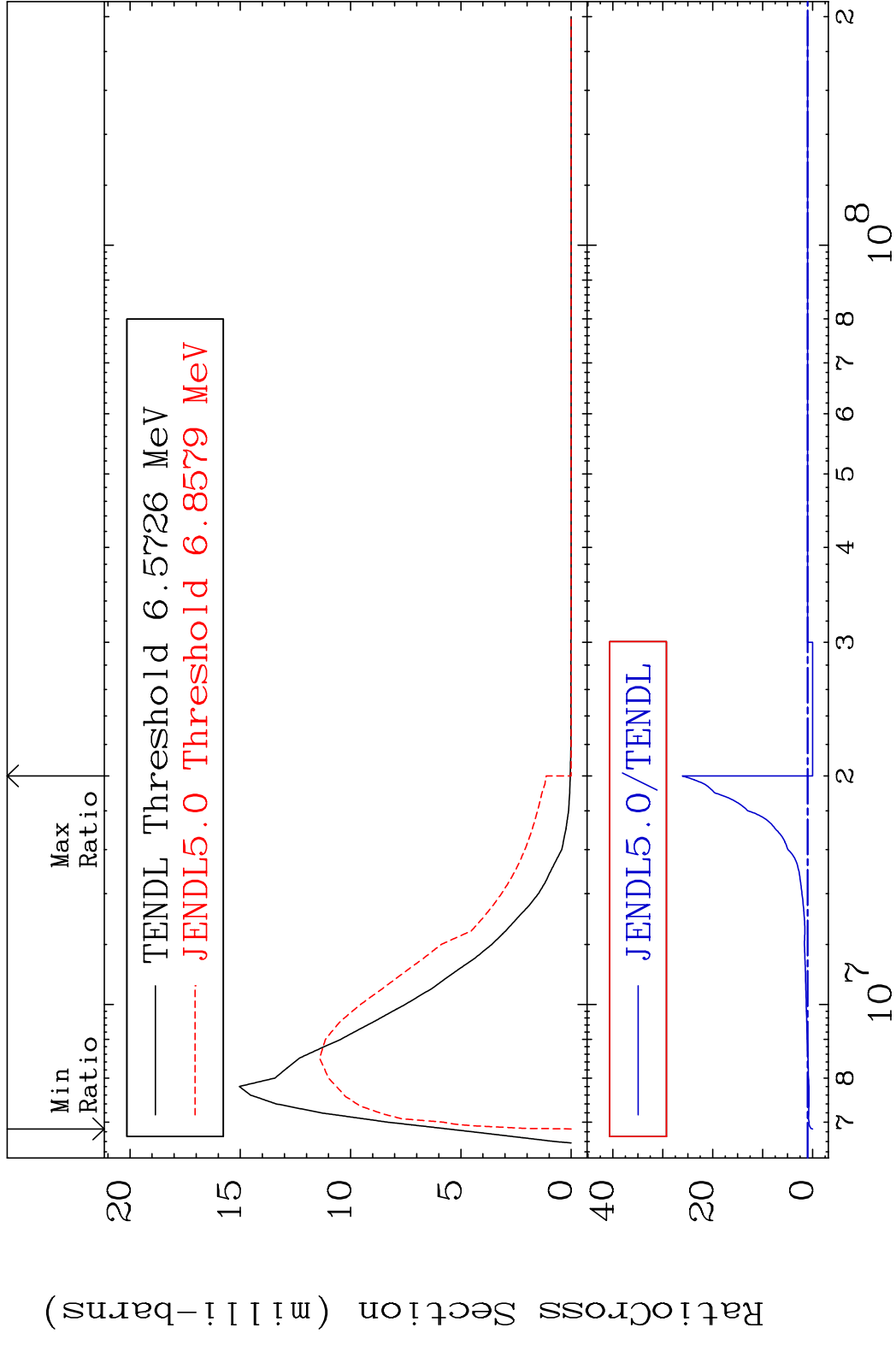


36 Incident Energy (eV) 10-Ne-21

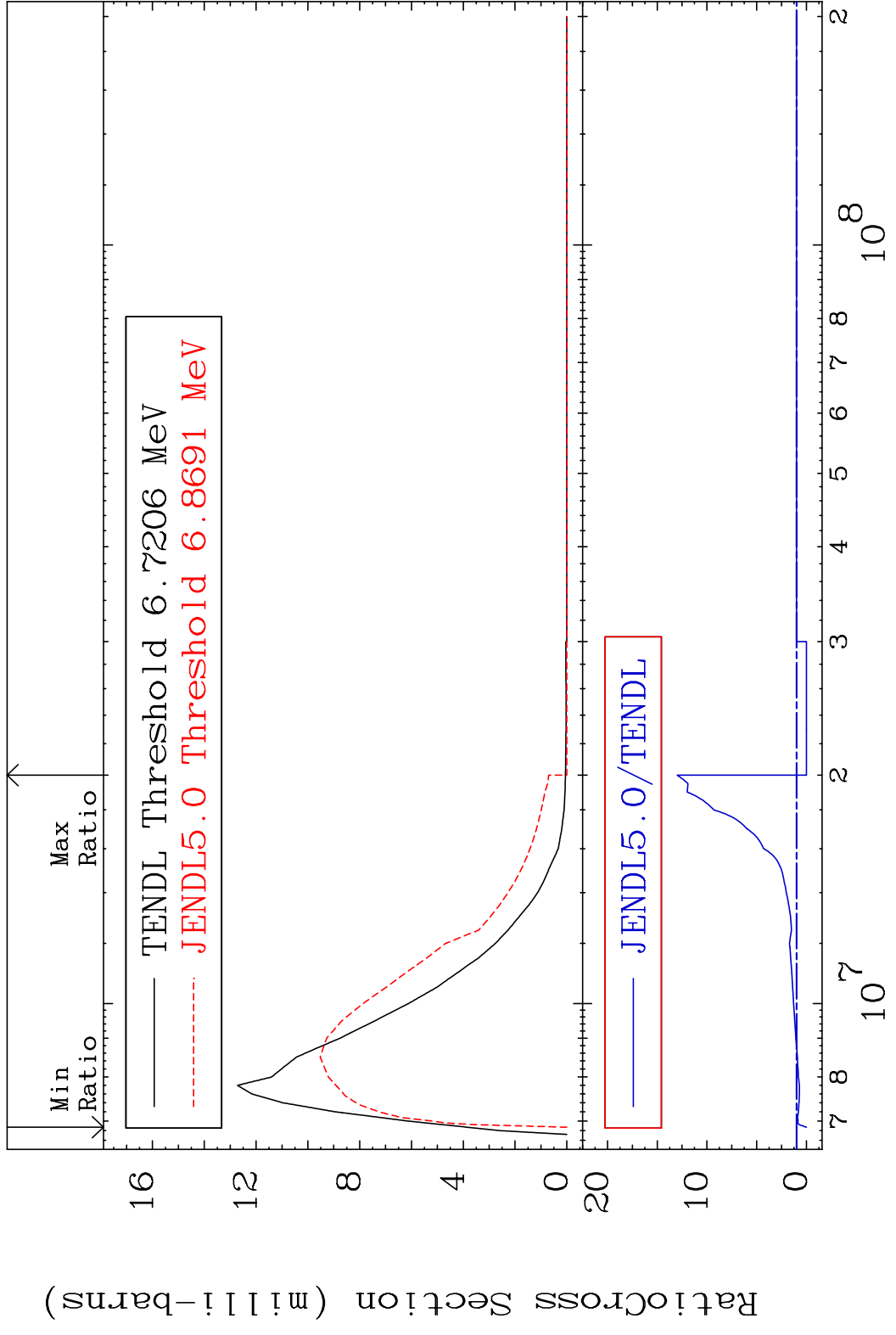
MAT 1028 MT= 77 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 3355. %



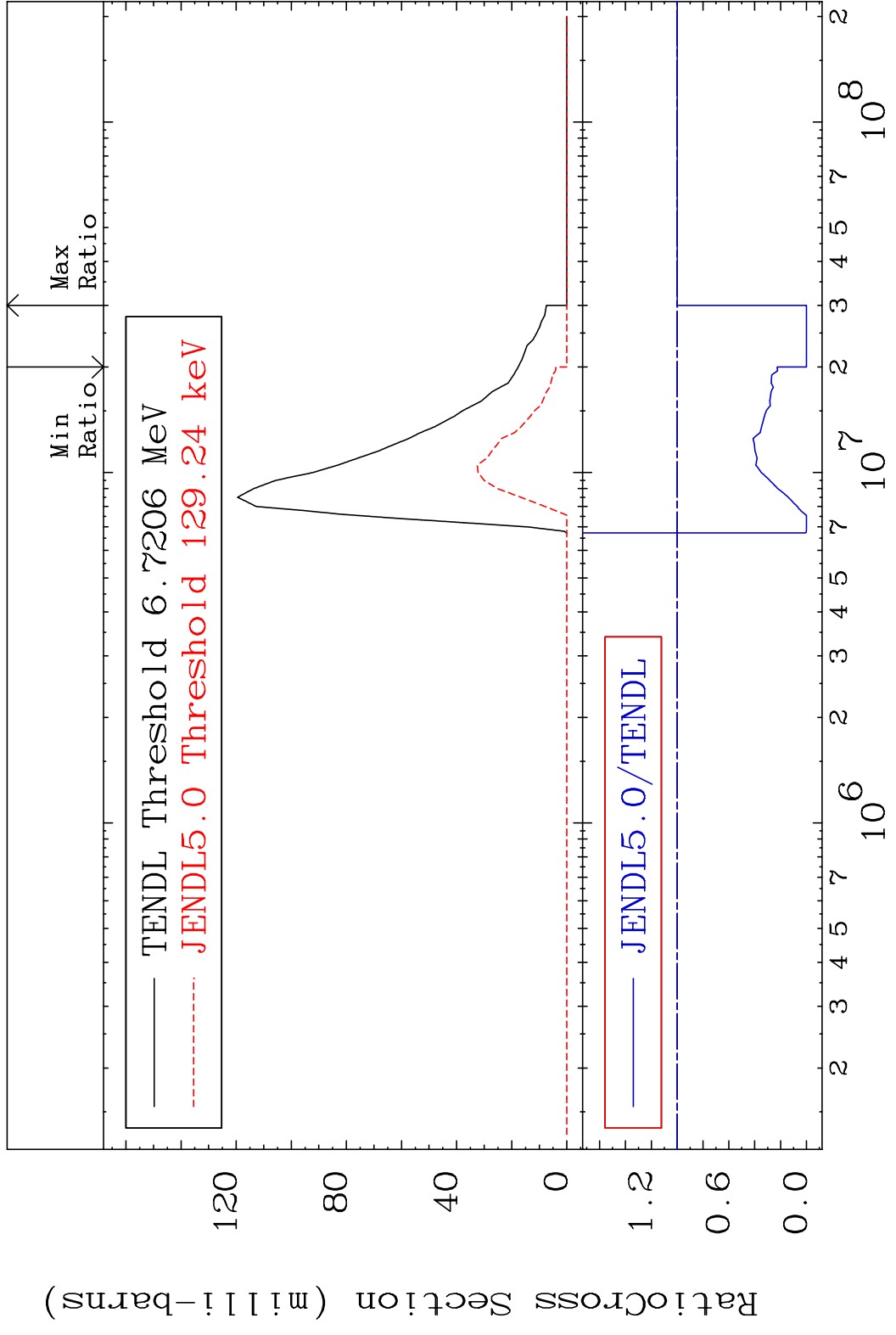
MAT 1028 MT= 78 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 2508. %



MAT 1028 MT= 79 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 1199. %



MAT 1028 (n,n') Continuum 10-Ne-21
 Cross Section -100.0 To 0.000 %



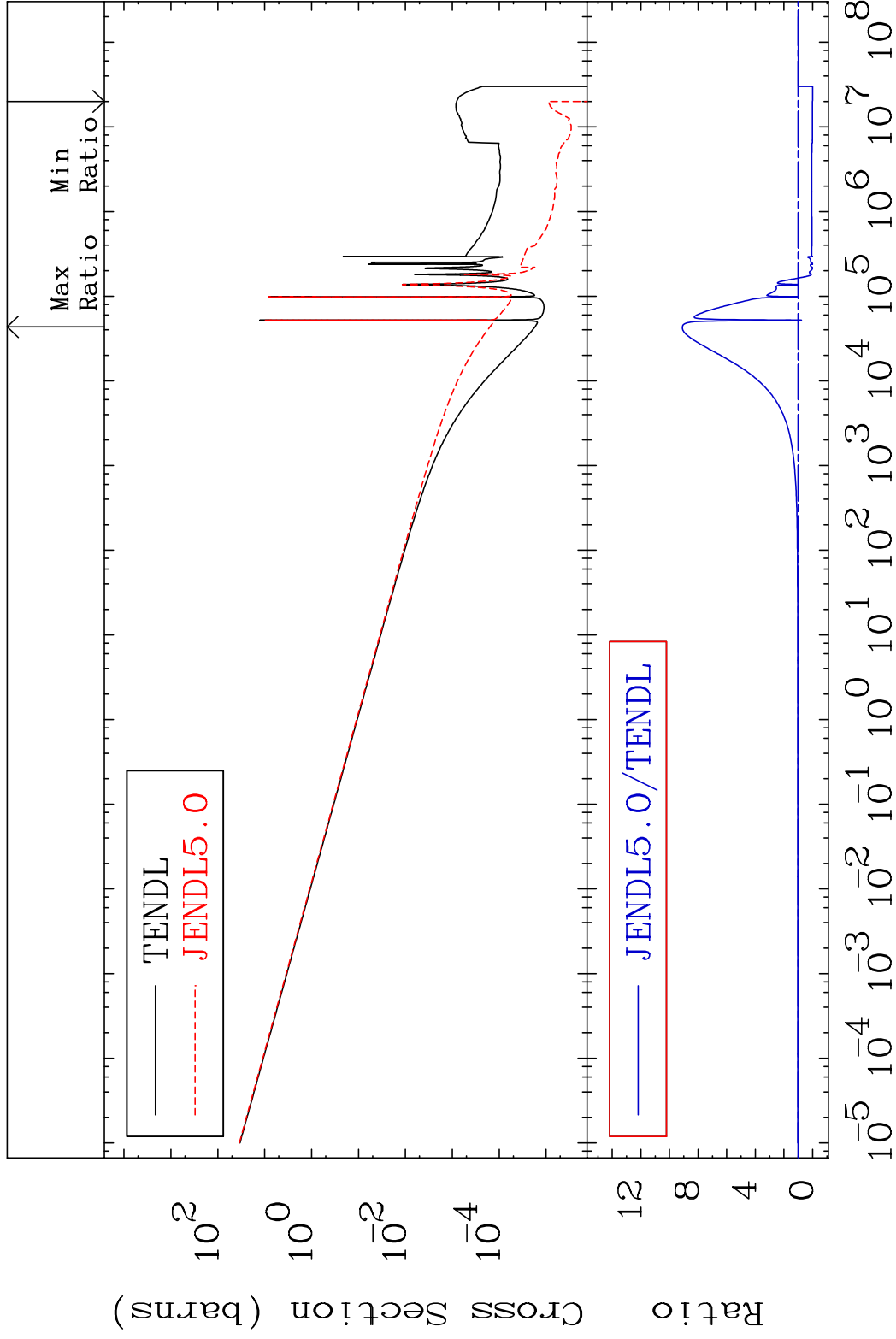
40 Incident Energy (eV) 10-Ne-21

MAT 1028

(n, γ)

10-Ne-21

Cross Section -100.0 To 809.9 %

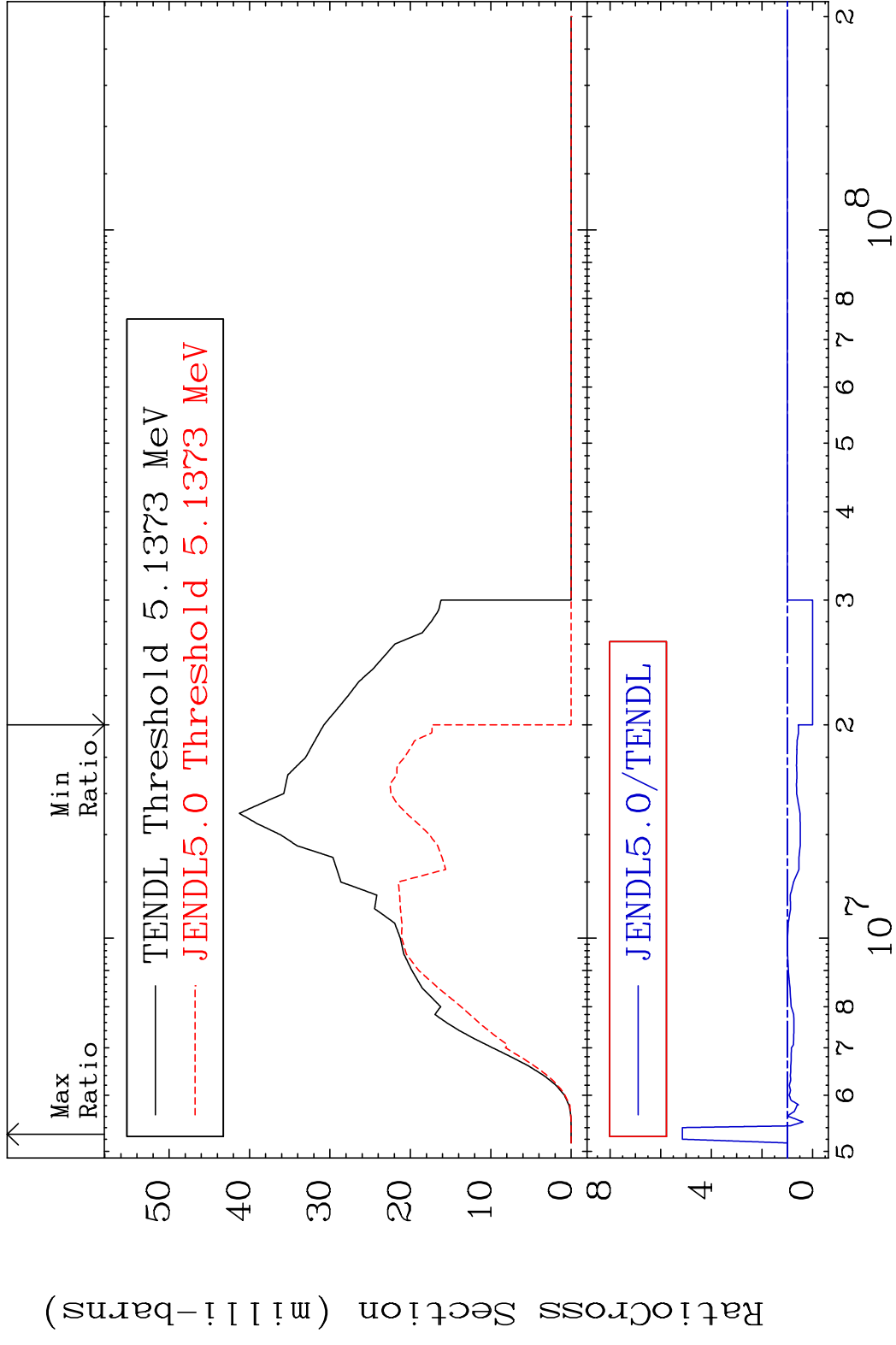


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Incident Energy (eV)

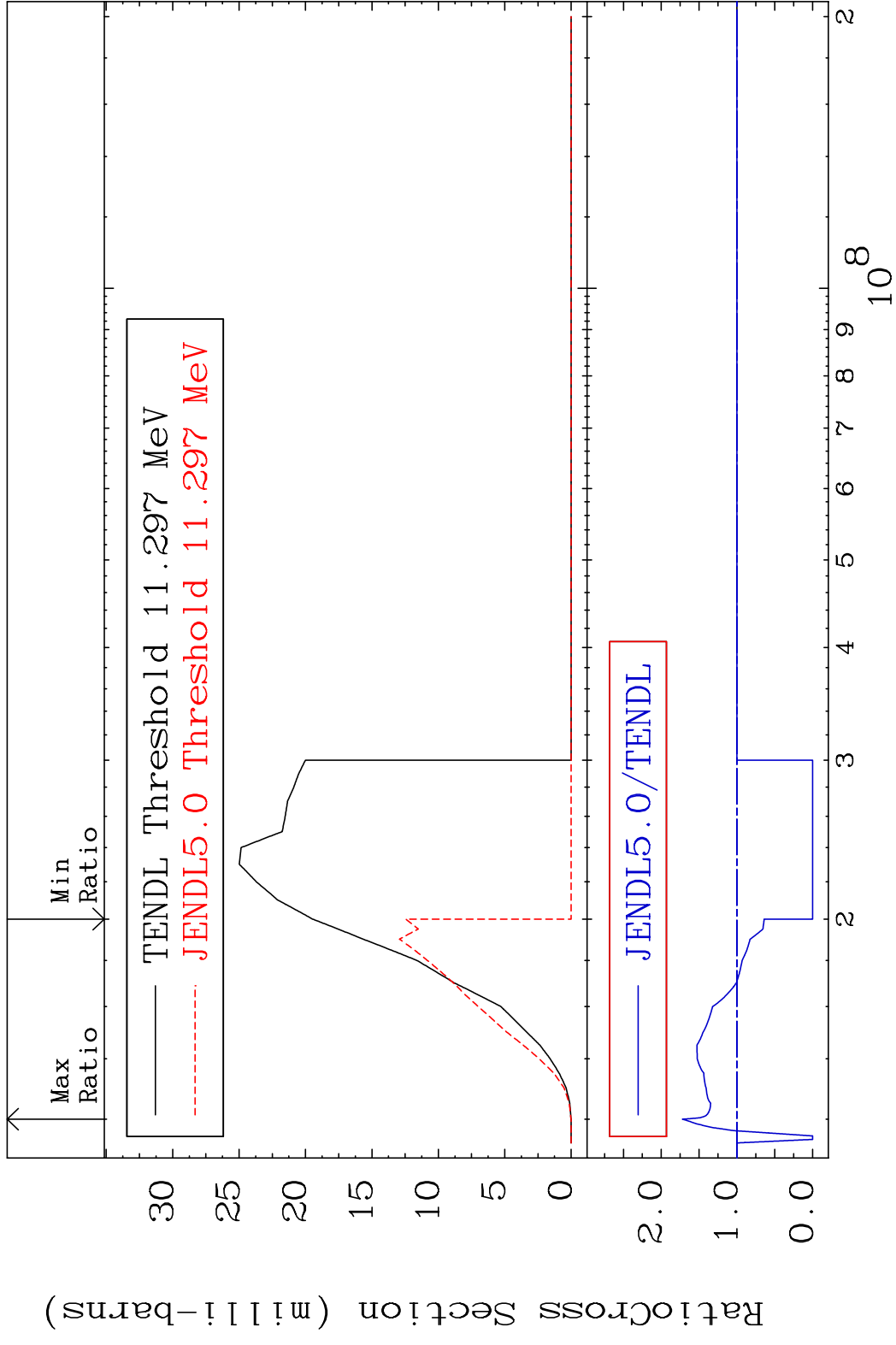
10-Ne-21

MAT 1028 (n,p) 10-Ne-21
 Cross Section -100.0 To 414.3 %

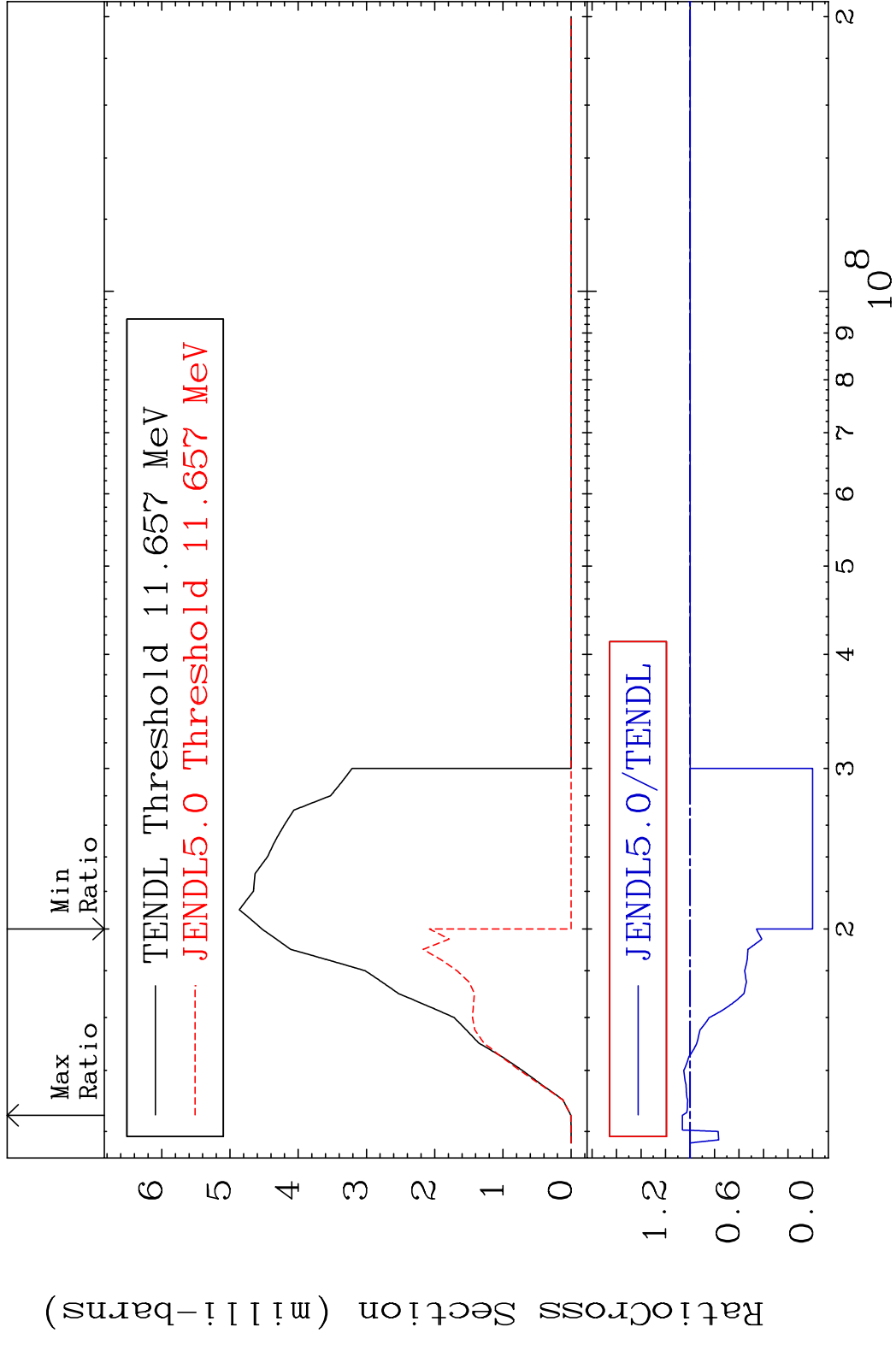


42 10-Ne-21

MAT 1028 (n,d) 10-Ne-21
 Cross Section -100.0 To 72.12 %



MAT 1028 (n, t) 10-Ne-21
 Cross Section -100.0 To 6.269 %

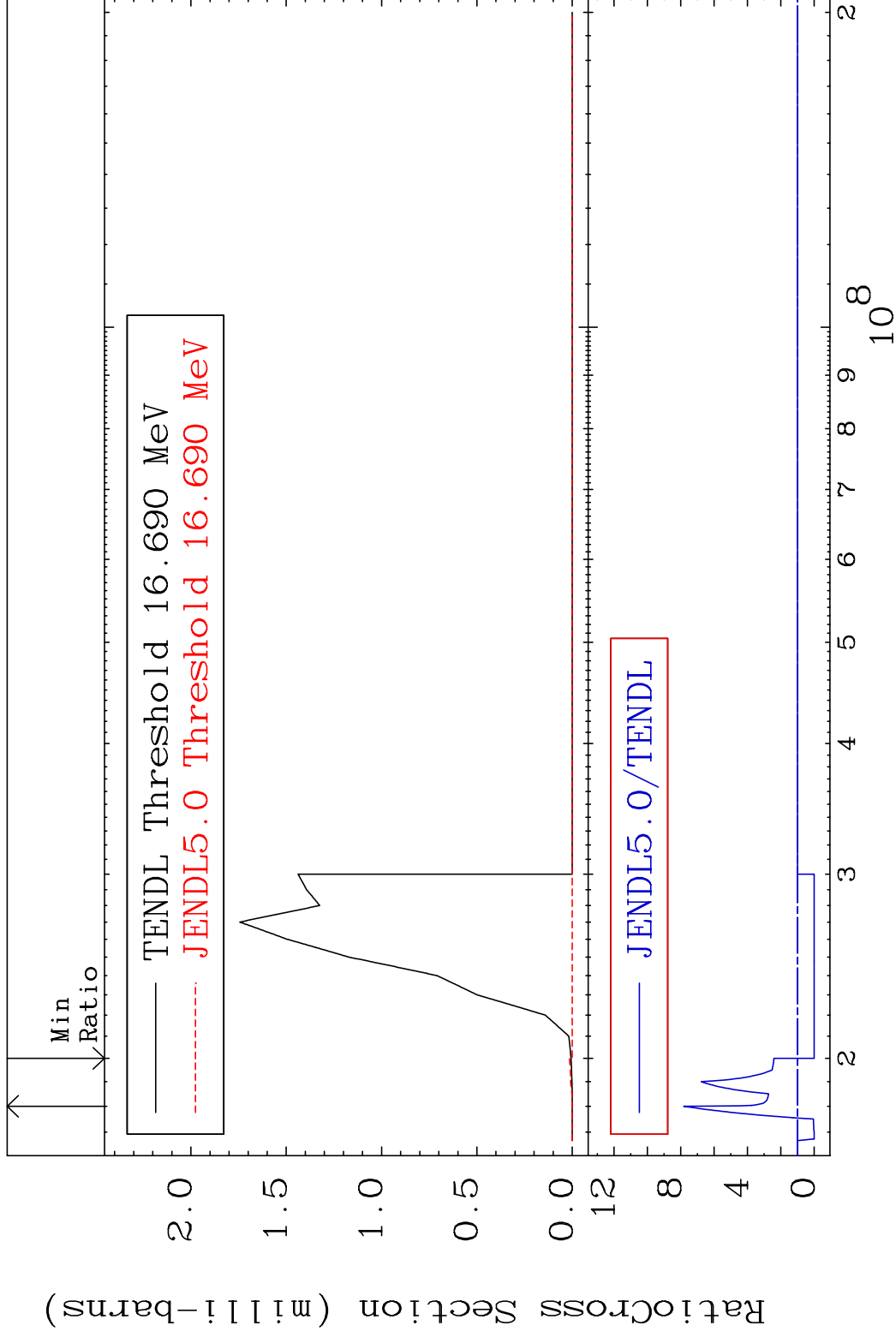


MAT 1028

(n, He-3)

10-Ne-21

Cross Section -100.0 To 682.4 %



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Incident Energy (eV)

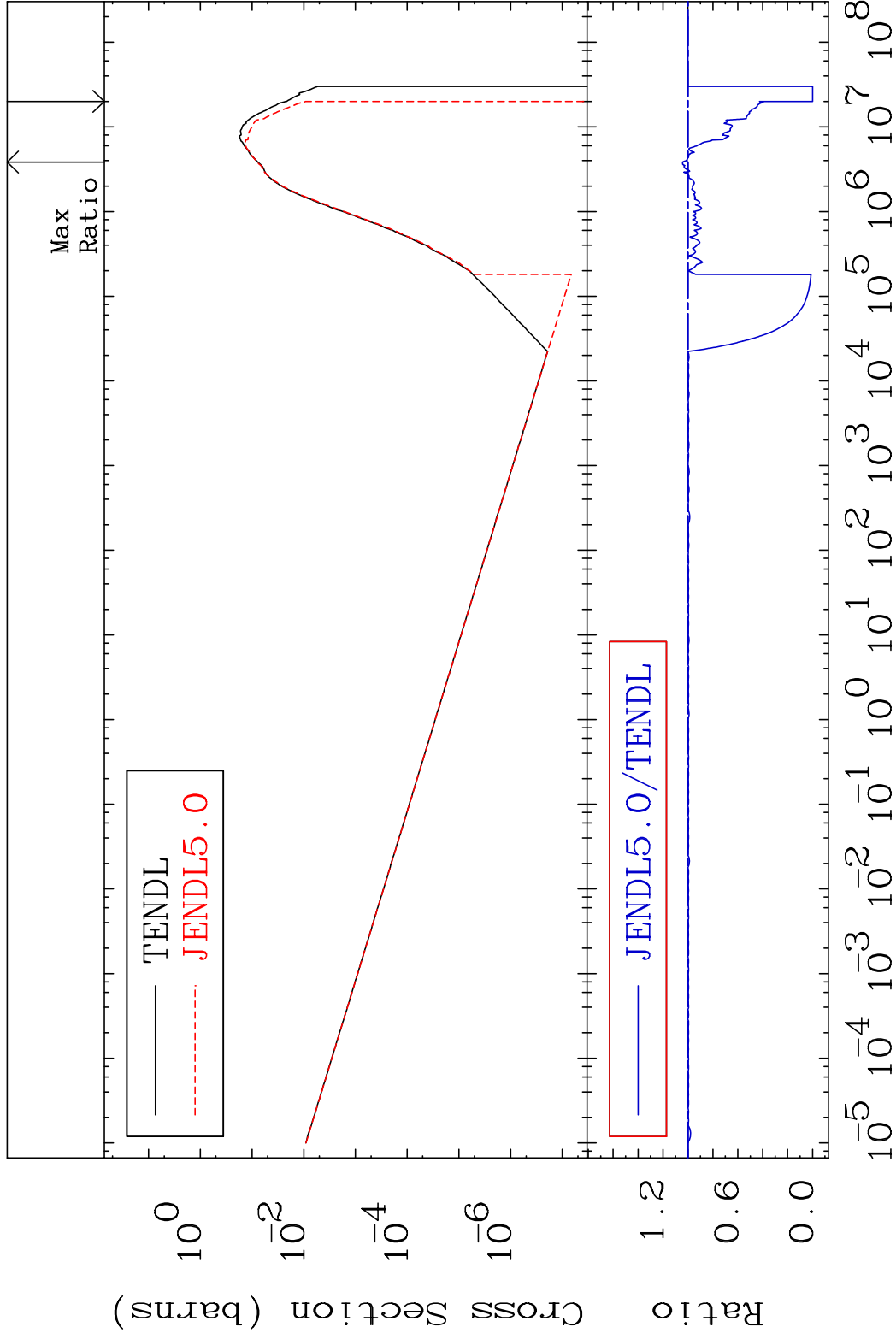
10-Ne-21

MAT 1028

(n, α)

10-Ne-21

Cross Section -100.0 To 4.481 %

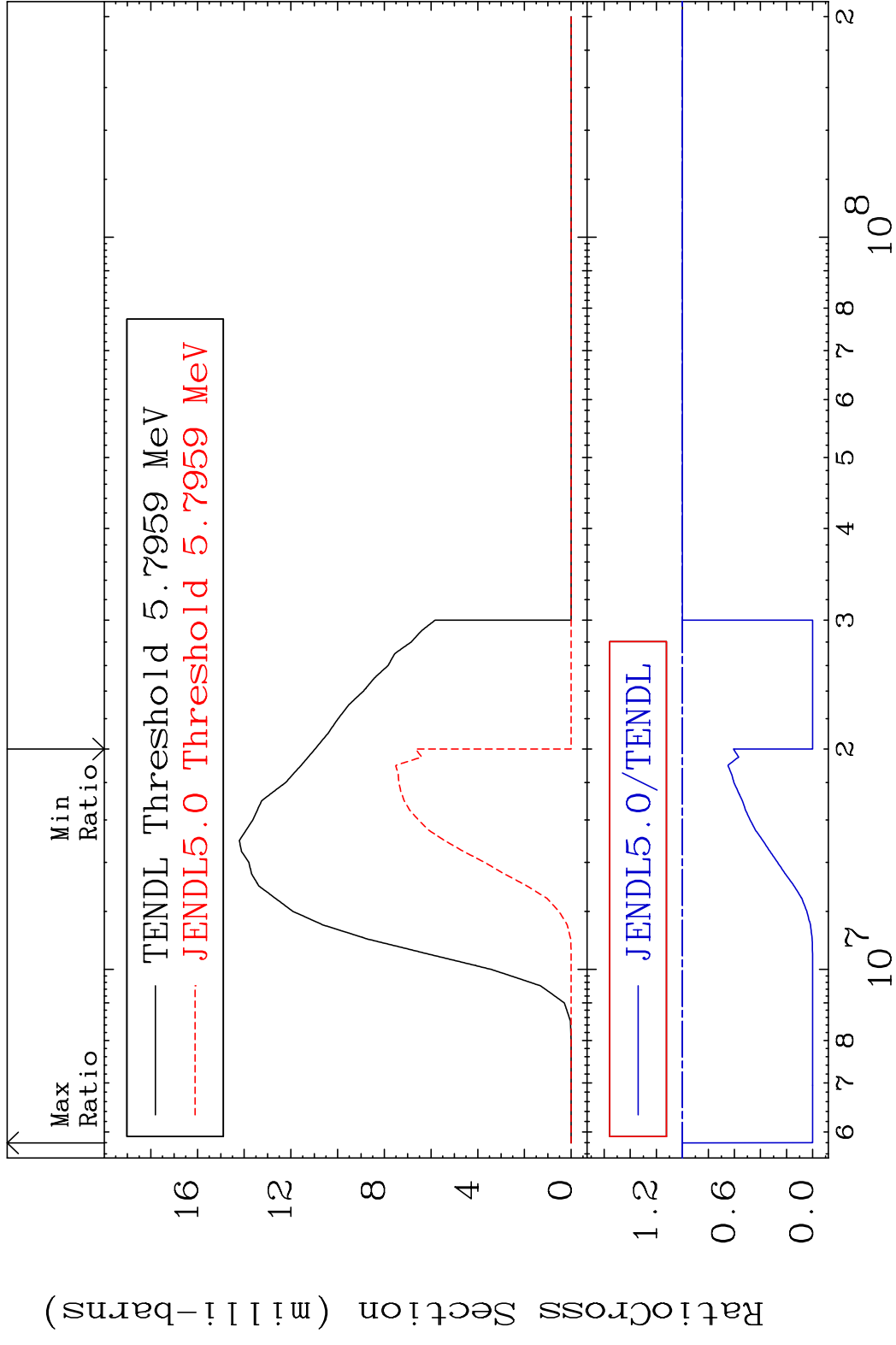


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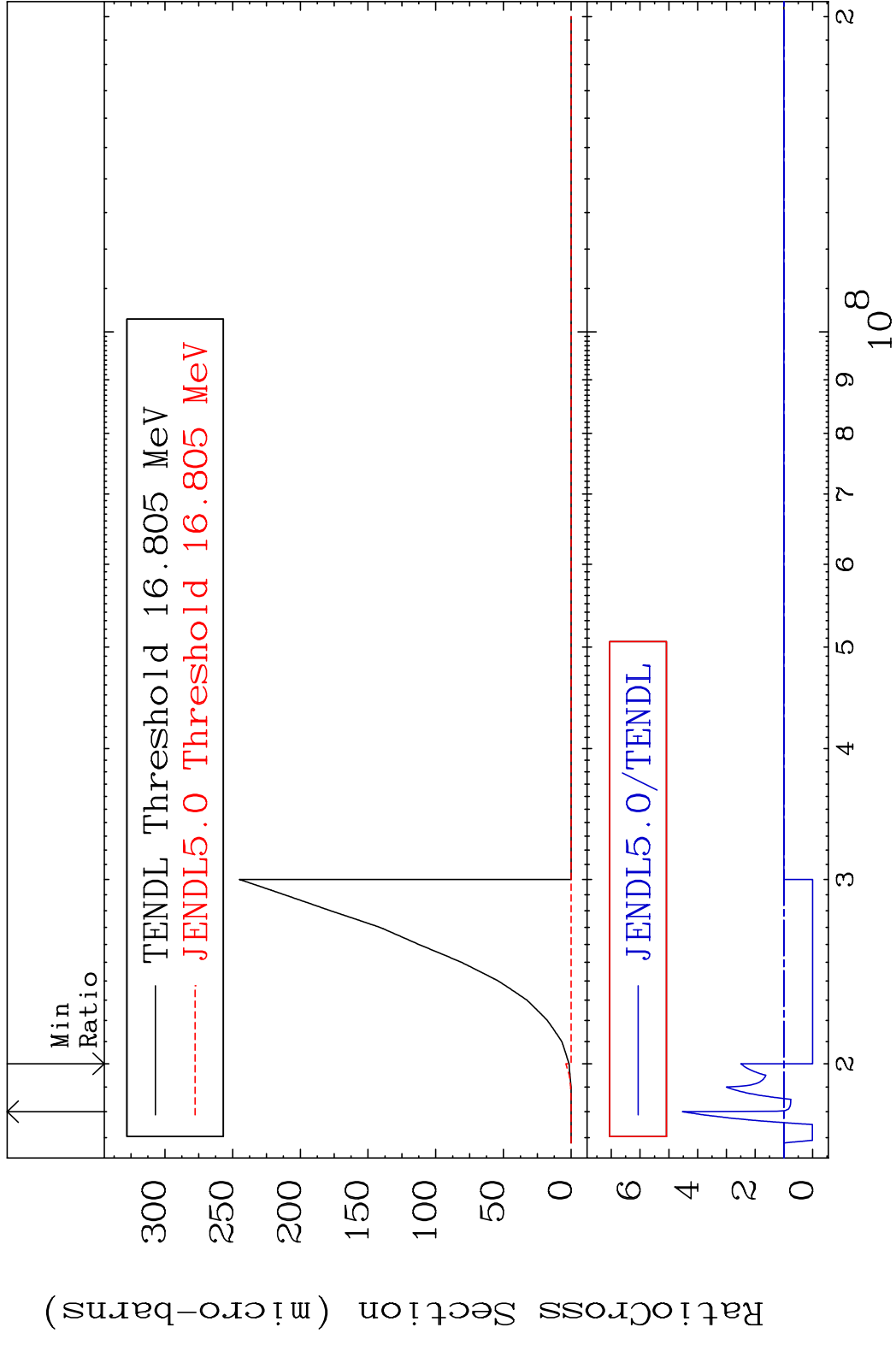
Incident Energy (eV)

10-Ne-21

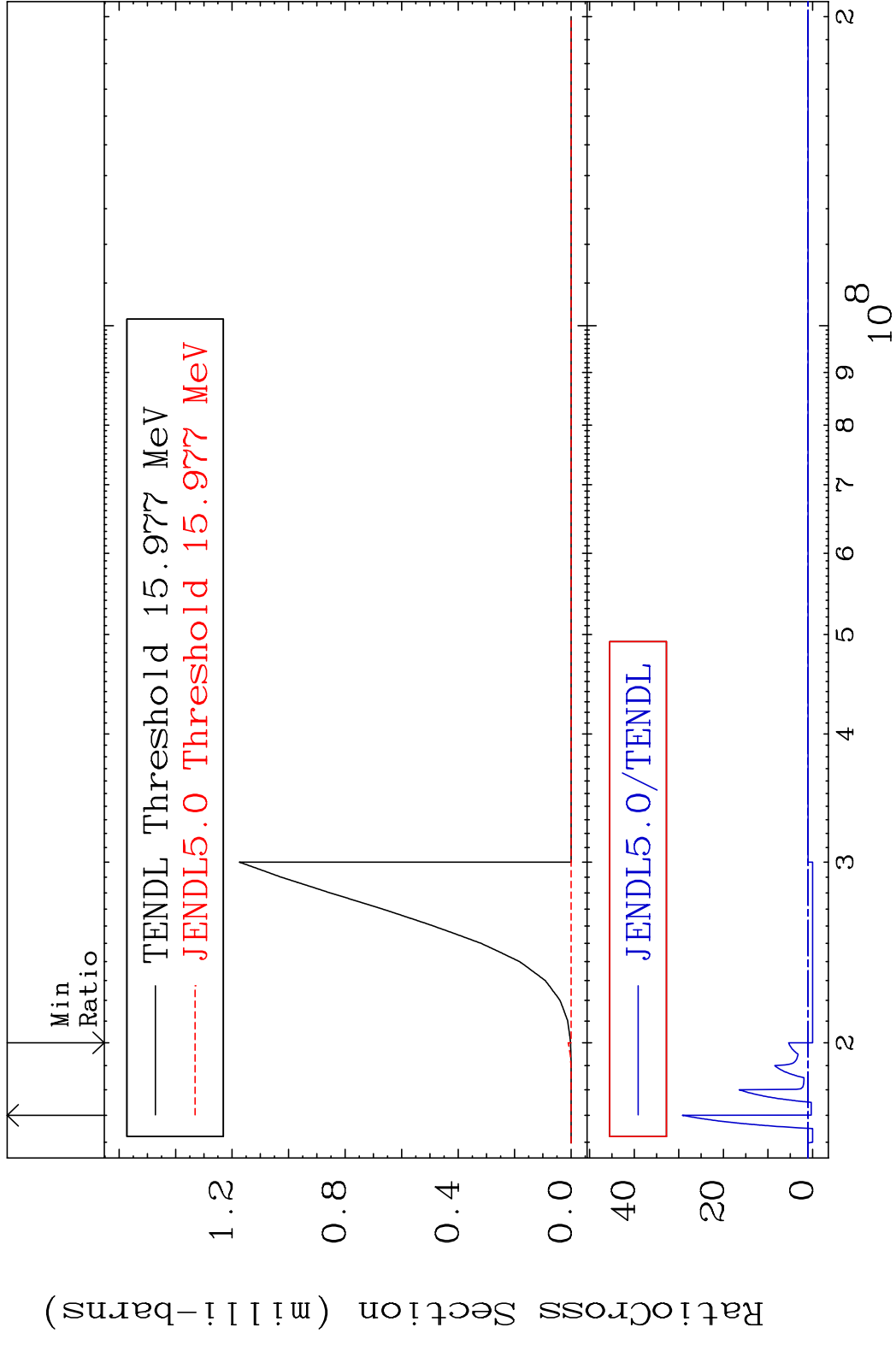
MAT 1028 (n,2α) 10-Ne-21
 Cross Section -100.0 To 0.000 %



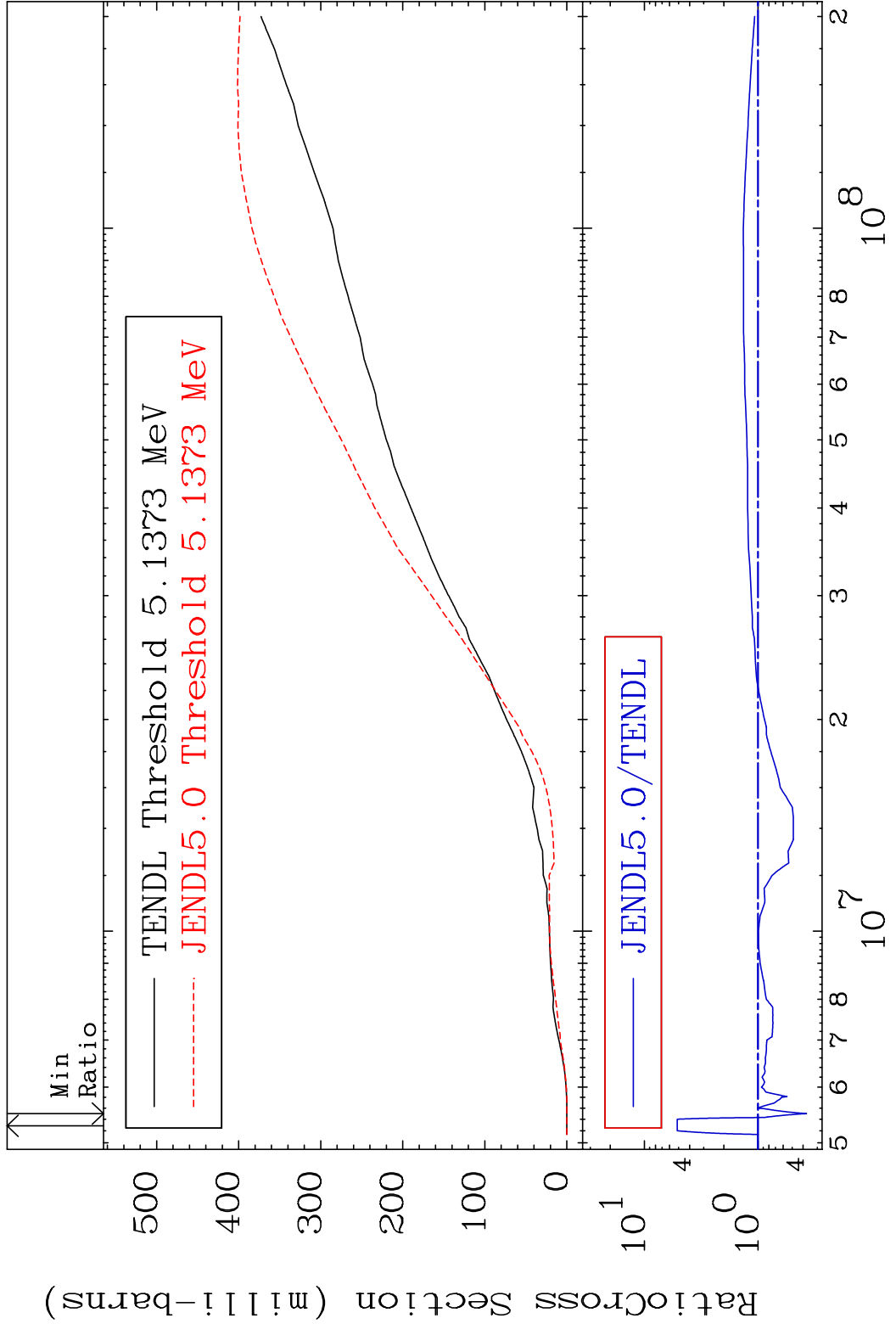
MAT 1028 (n,2p) 10-Ne-21
 Cross Section -100.0 To 352.9 %



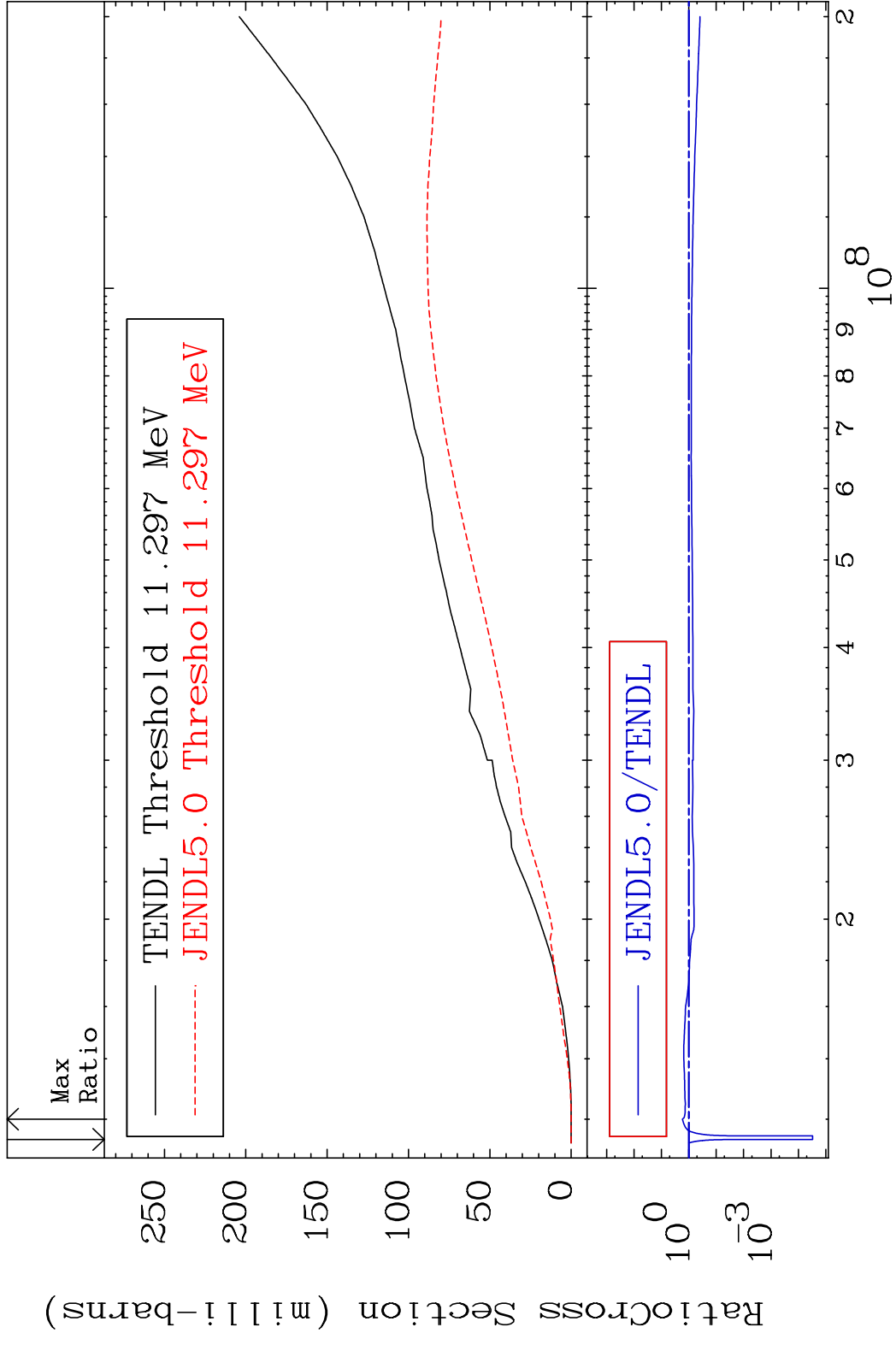
MAT 1028 (n,p) α 10-Ne-21
 Cross Section -100.0 To 2820. %



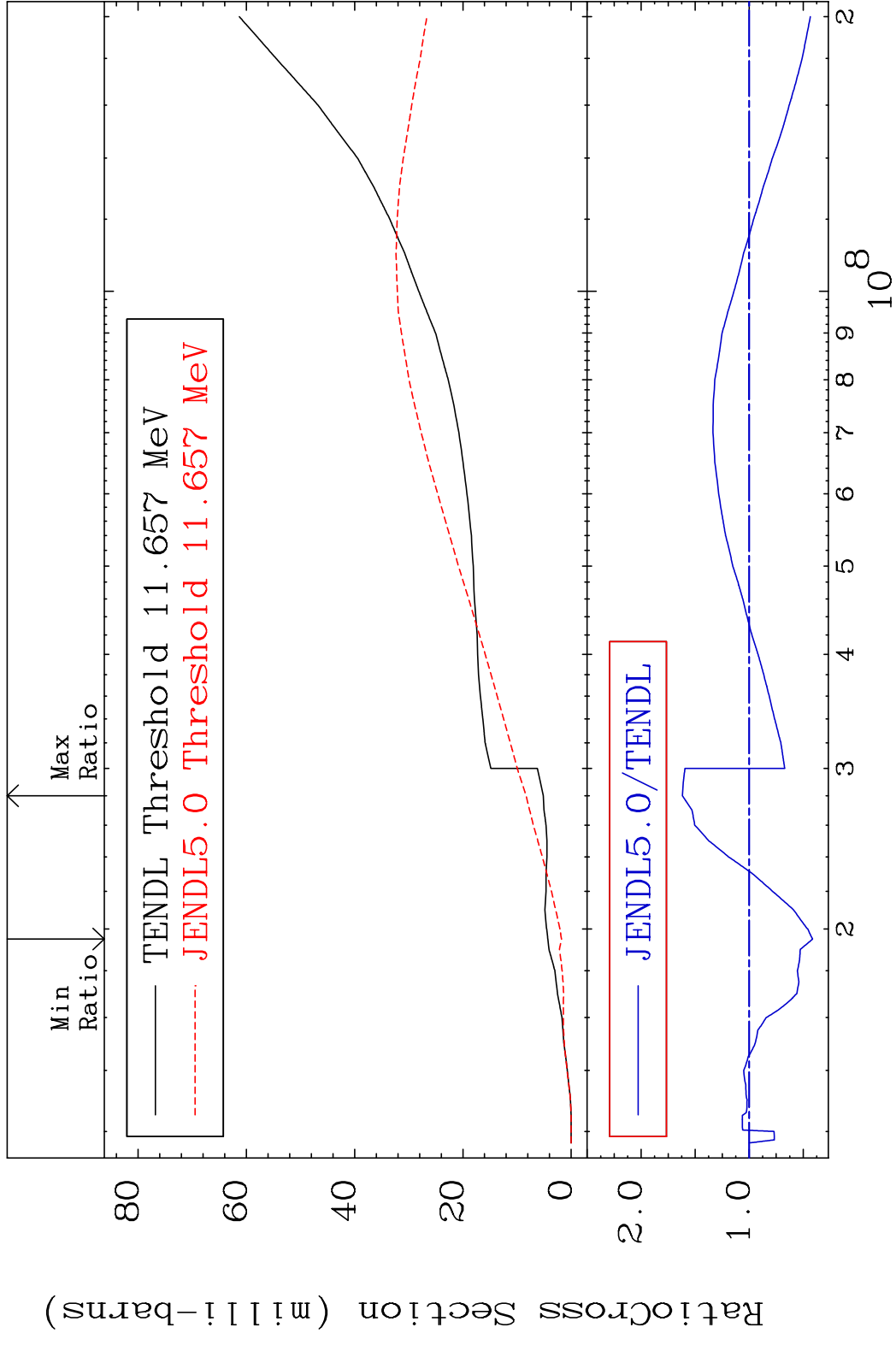
MAT 1028 Hydrogen Production 10-Ne-21
 Cross Section -62.56 To 414.3 %



MAT 1028 Deuterium Production 10-Ne-21
 Cross Section -100.0 To 72.12 %

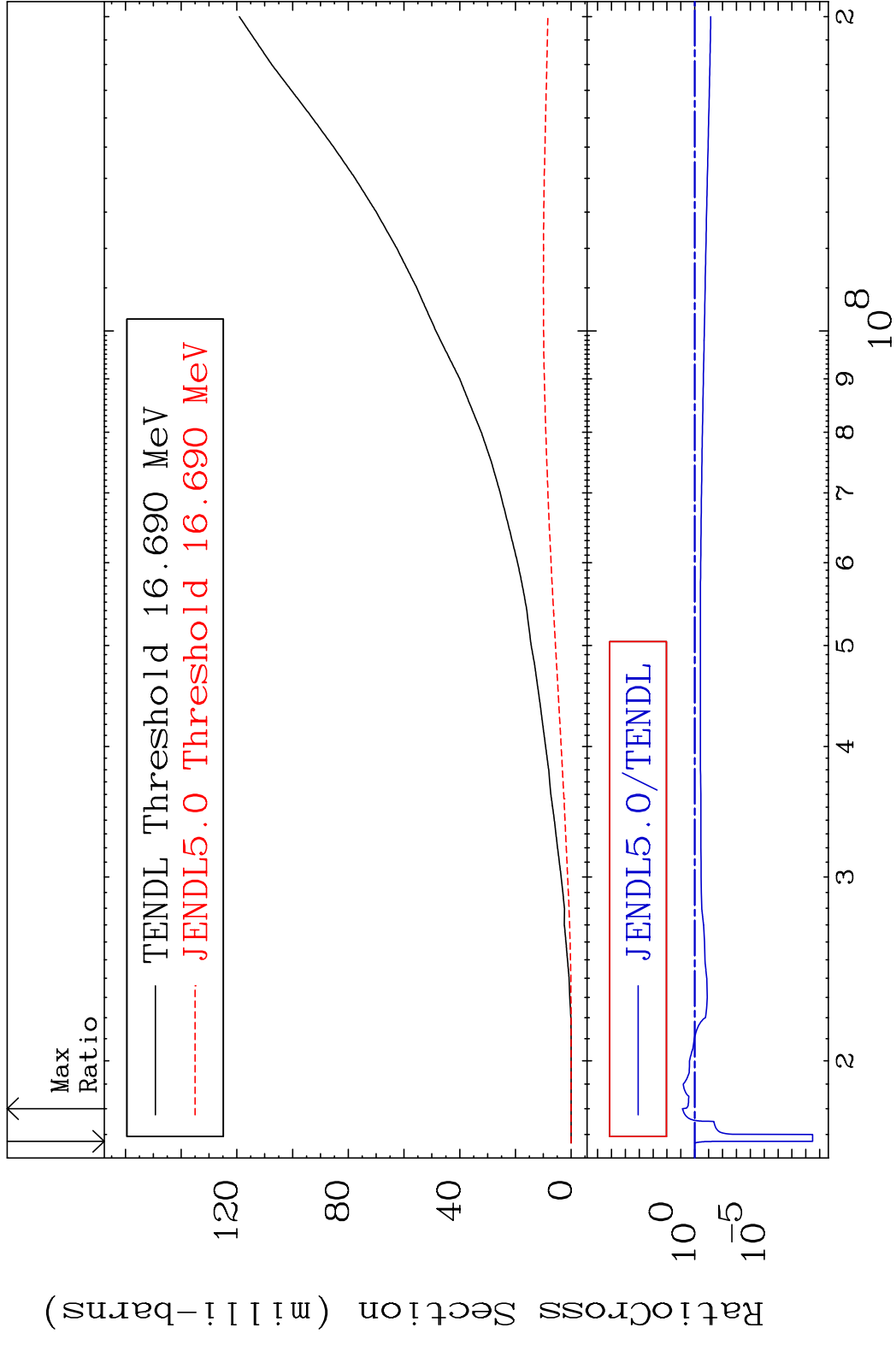


MAT 1028 Tritium Production 10-Ne-21
 Cross Section -58.62 To 61.88 %



52 Incident Energy (eV) 10-Ne-21

MAT 1028 He-3 Production 10-Ne-21
 Cross Section -100.0 To 682.4 %

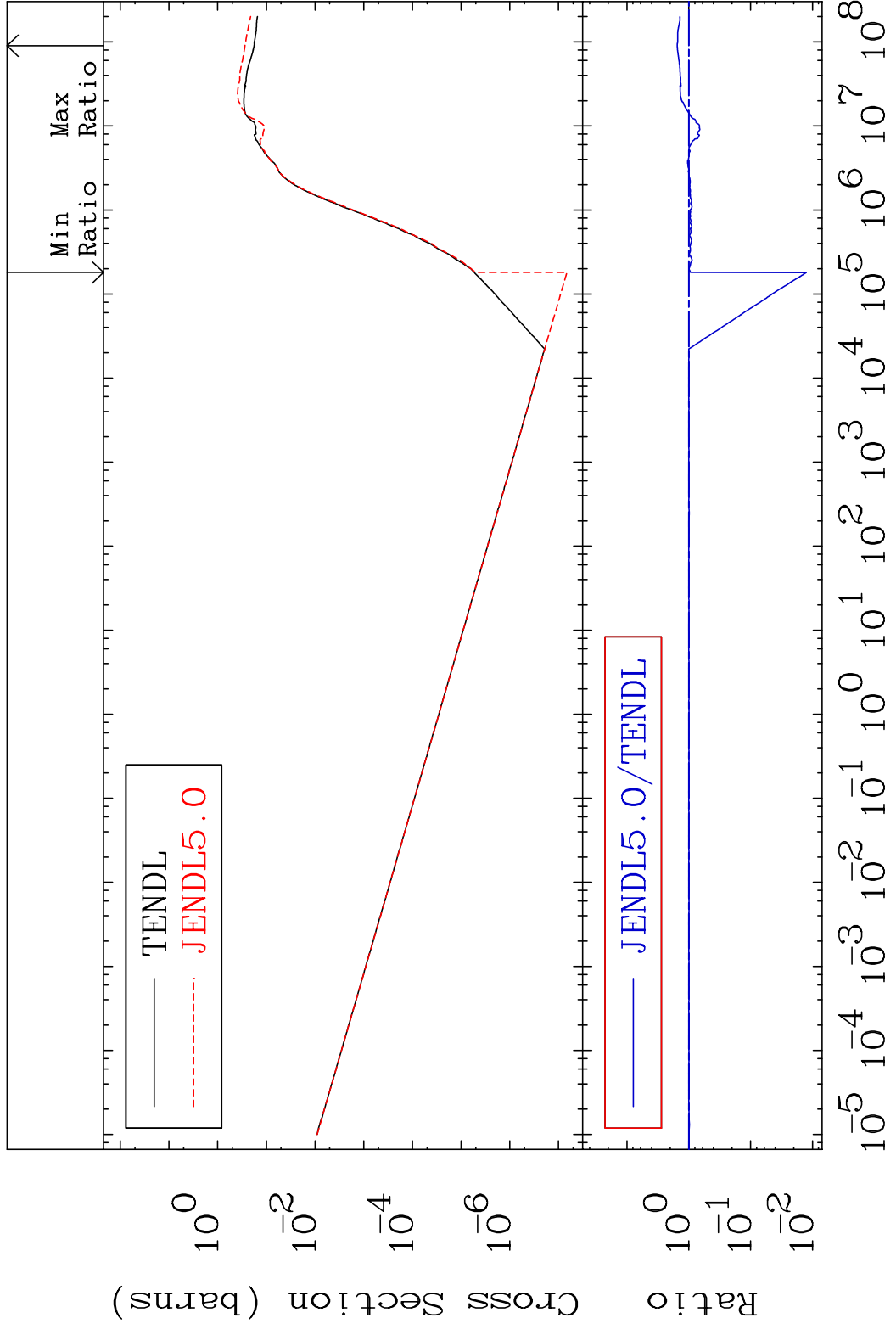


MAT 1028

He-4 Production

10-Ne-21

Cross Section -98.75 To 53.94 %

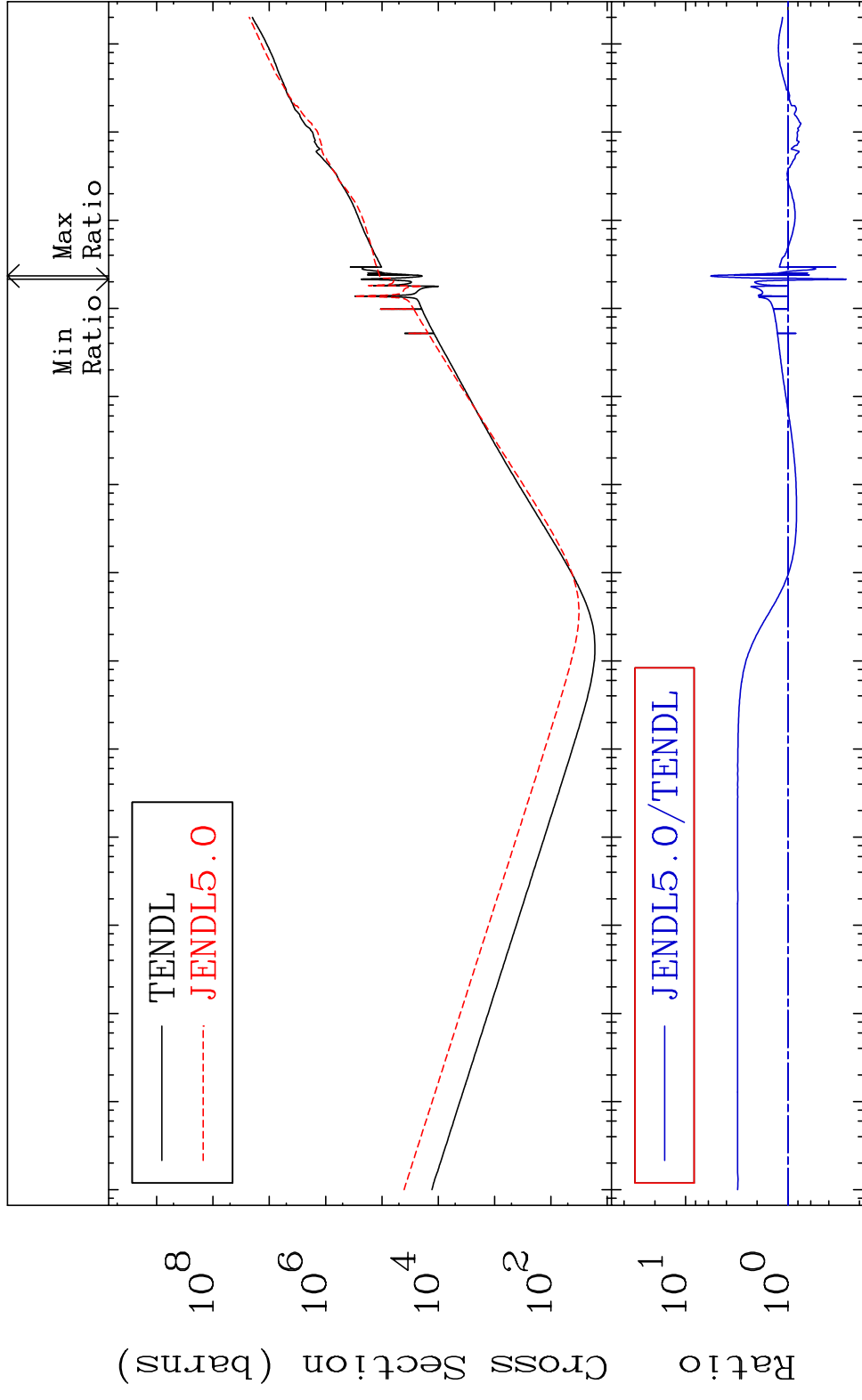


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Incident Energy (eV)

10-Ne-21

MAT 1028 Kerma total (eV-barns) 10-Ne-21
 Cross Section -73.10 To 469.1 %

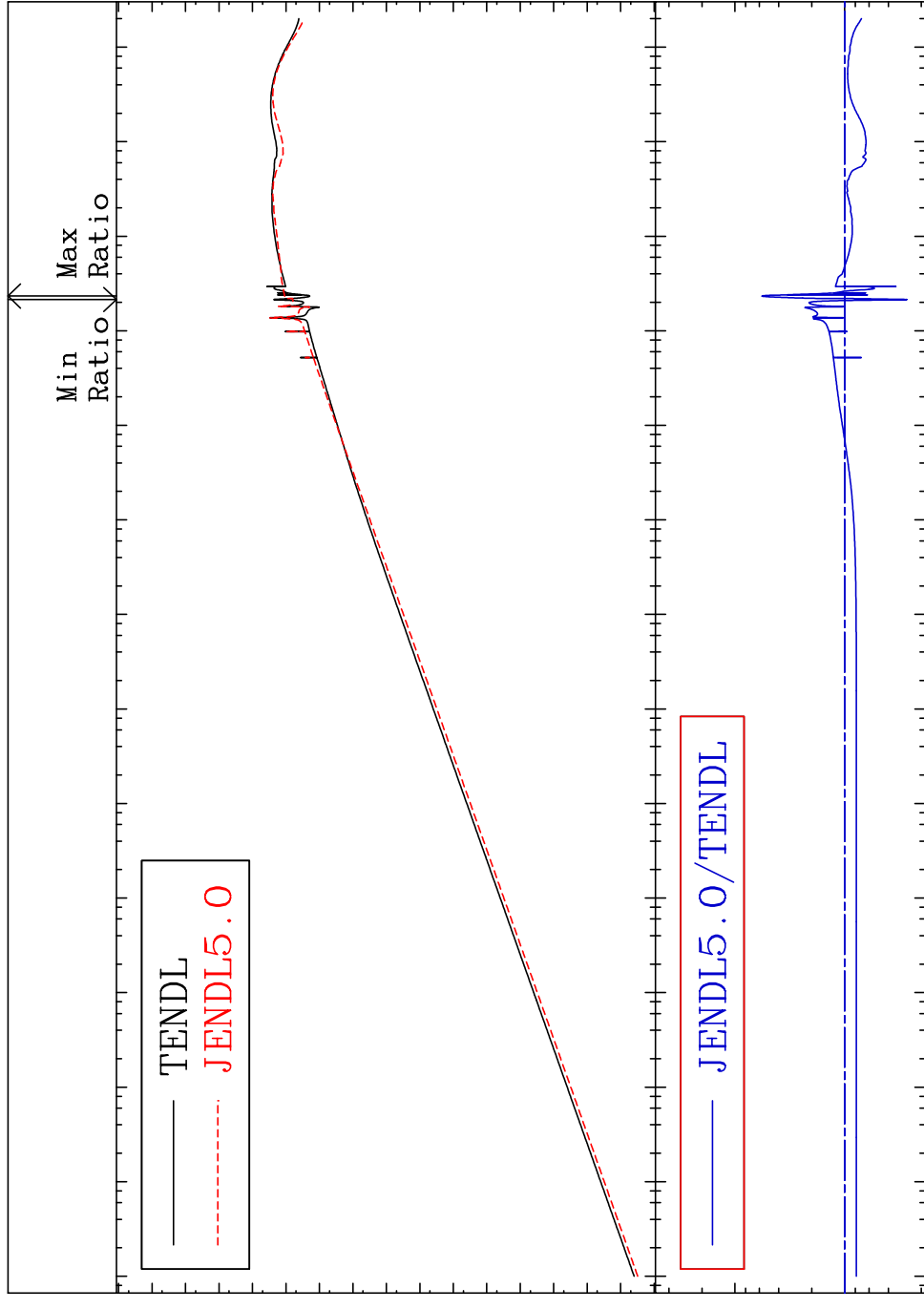


55 Incident Energy (eV) 10-Ne-21

MAT 1028

Kerma elastic
Cross Section

10-Ne-21
-73.10 To 469.3 %



10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁶
10¹
10⁰

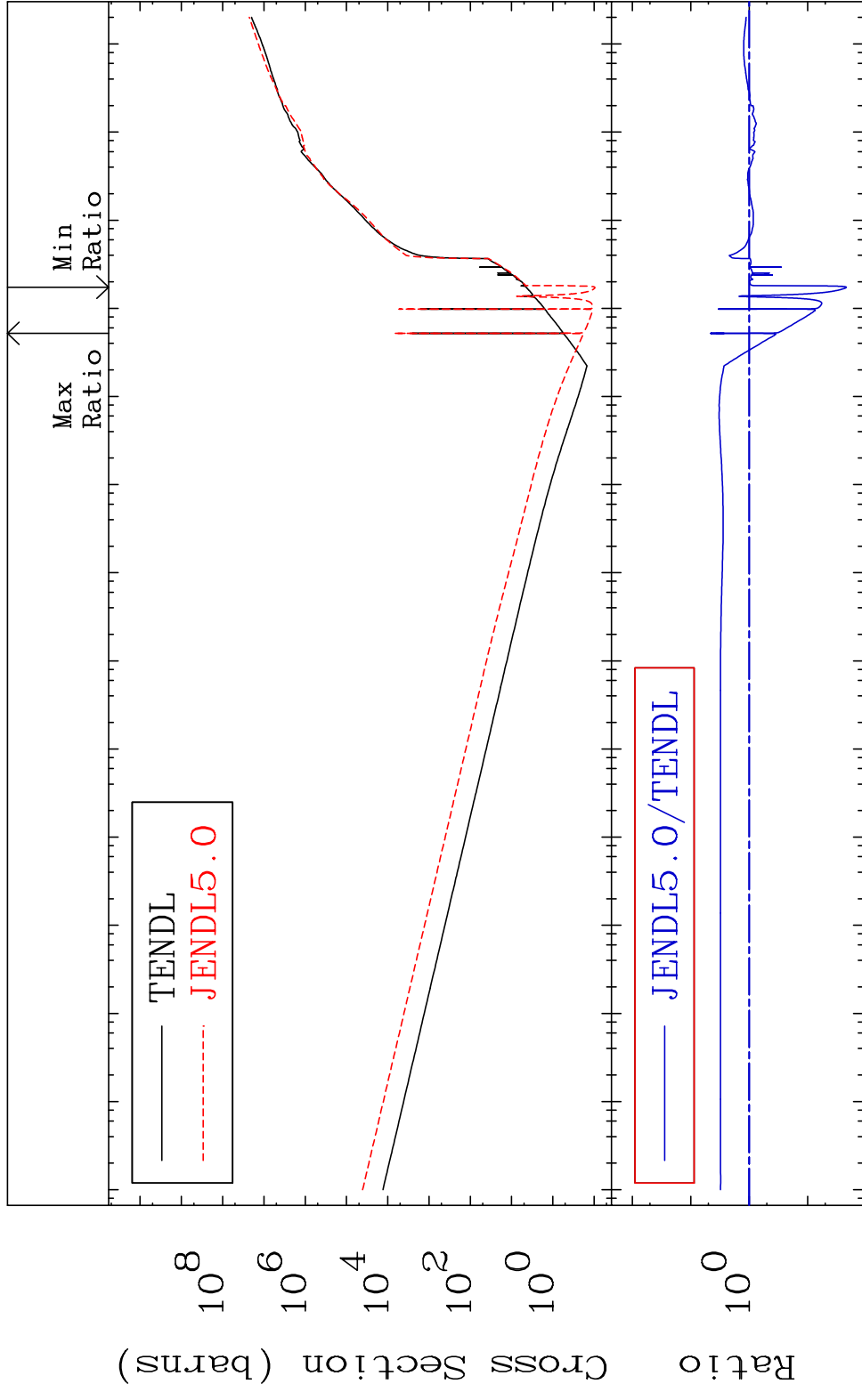
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

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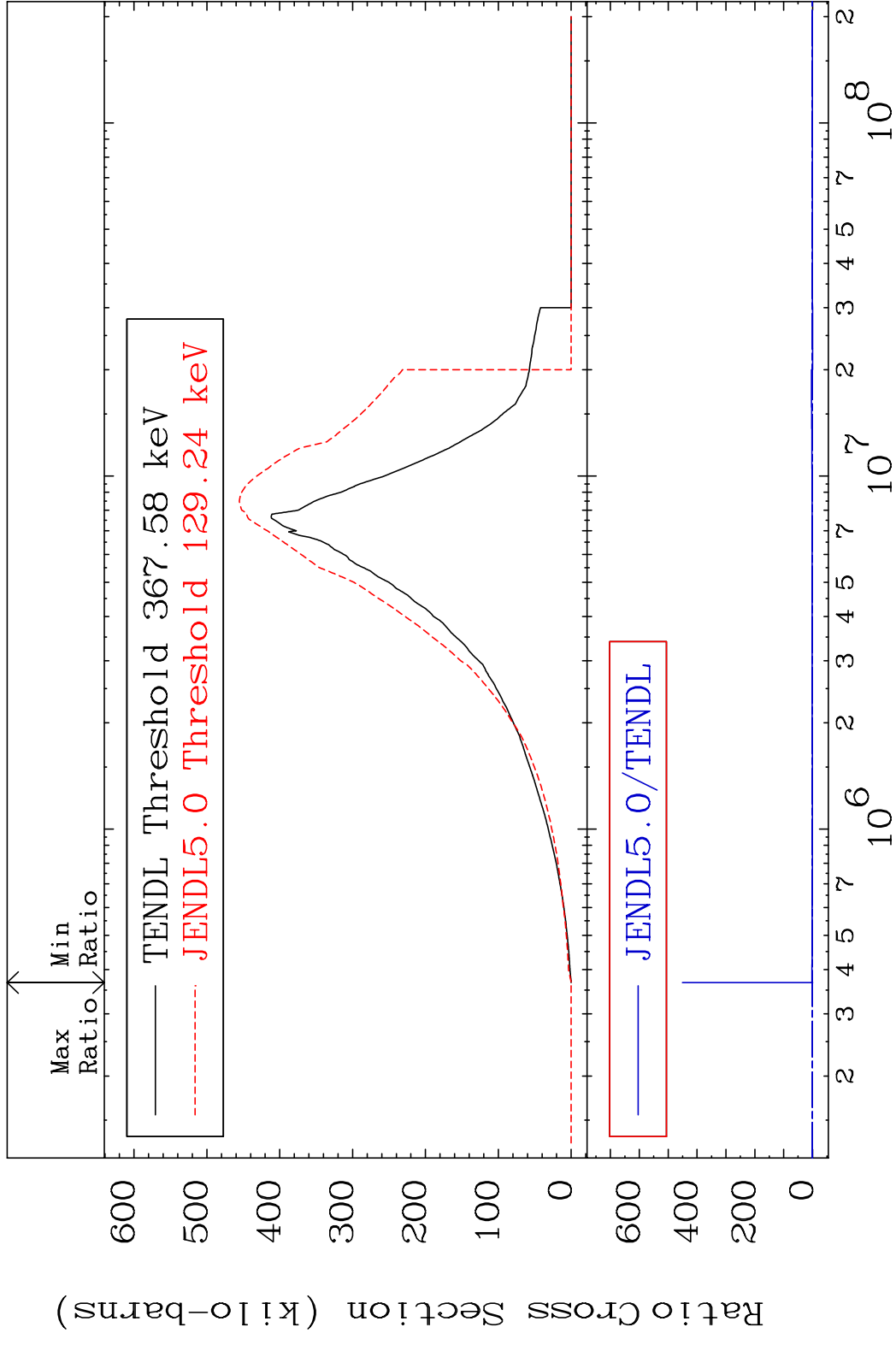
Incident Energy (eV)

10-Ne-21

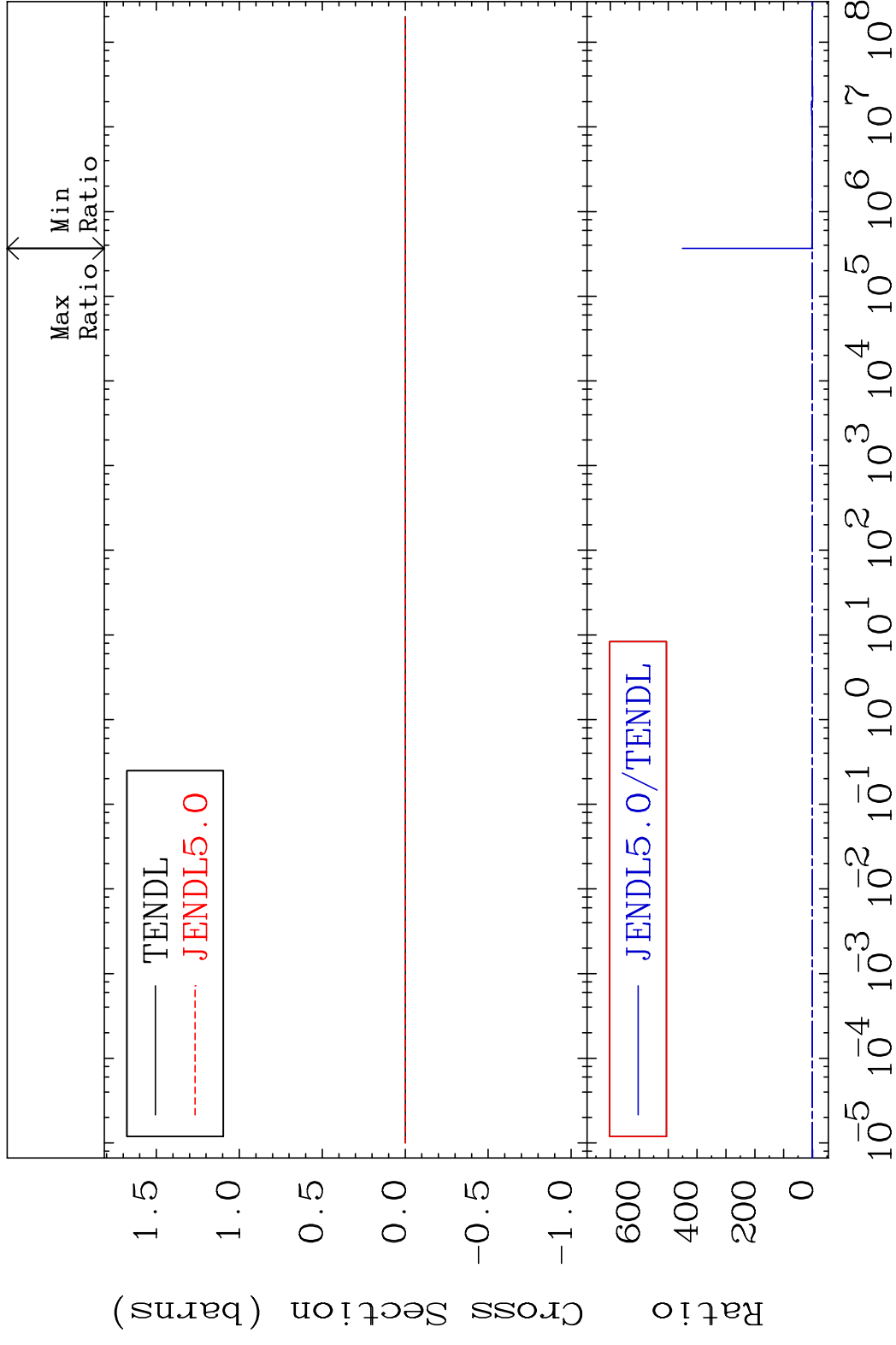
MAT 1028 Kerma non-elastic (all but mt2) 10-Ne-21
 Cross Section -97.82 To 356.8 %



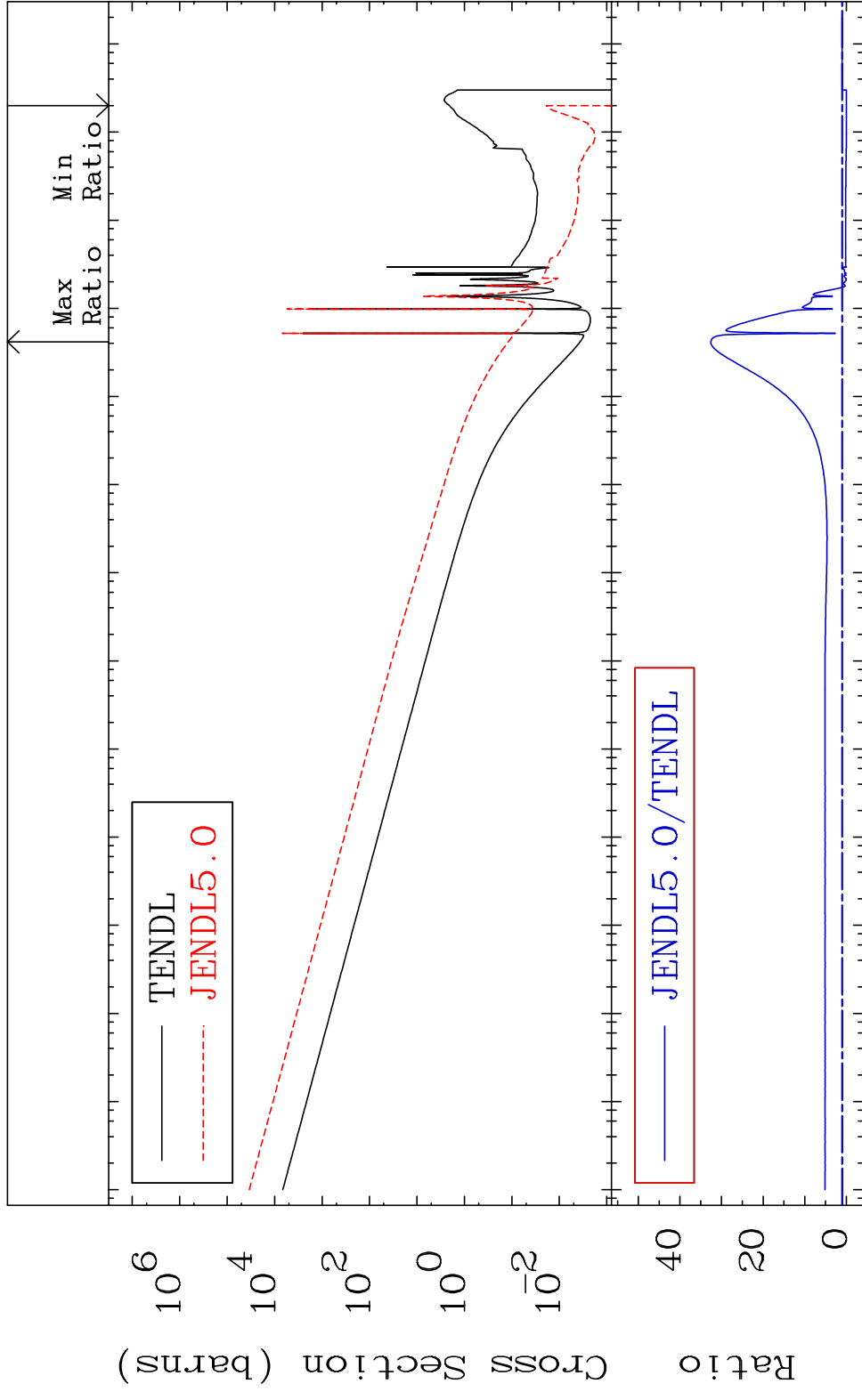
MAT 1028 Kerma inelastic (mt51-91) 10-Ne-21
 Cross Section -100.3 To 9999. %



MAT 1028 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-21
 Cross Section -100.3 To 9999. %

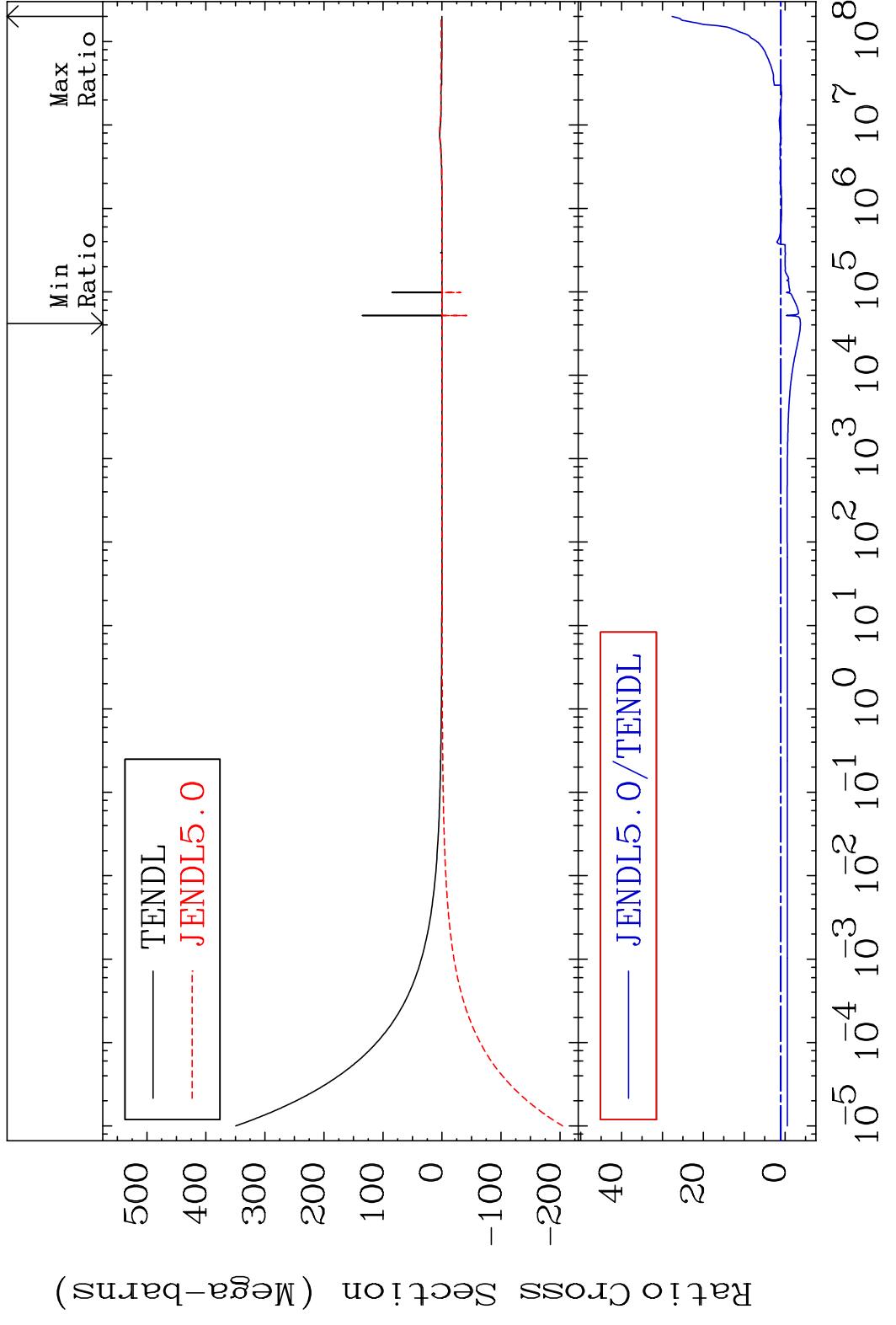


MAT 1028 Kerma capture (mt102) 10-Ne-21
 Cross Section -100.0 To 3160. %



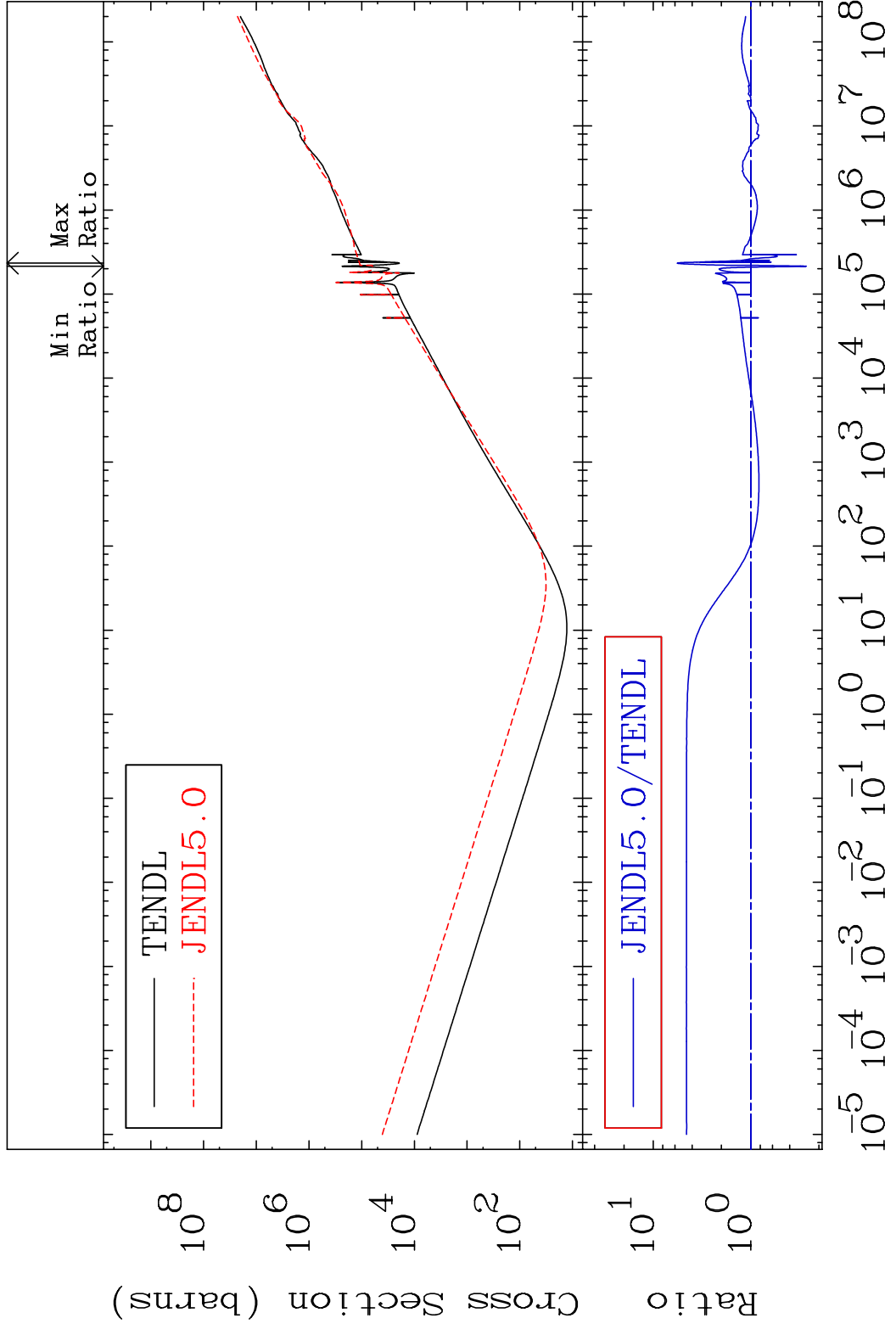
60 Incident Energy (eV) 10-Ne-21

MAT 1028 Total photon (eV-barns) 10-Ne-21
Cross Section -475.0 To 2663. %



61 Incident Energy (eV) 10-Ne-21

MAT 1028 Total kinematic kerma (high limit) 10-Ne-21
 Cross Section -73.10 To 469.1 %

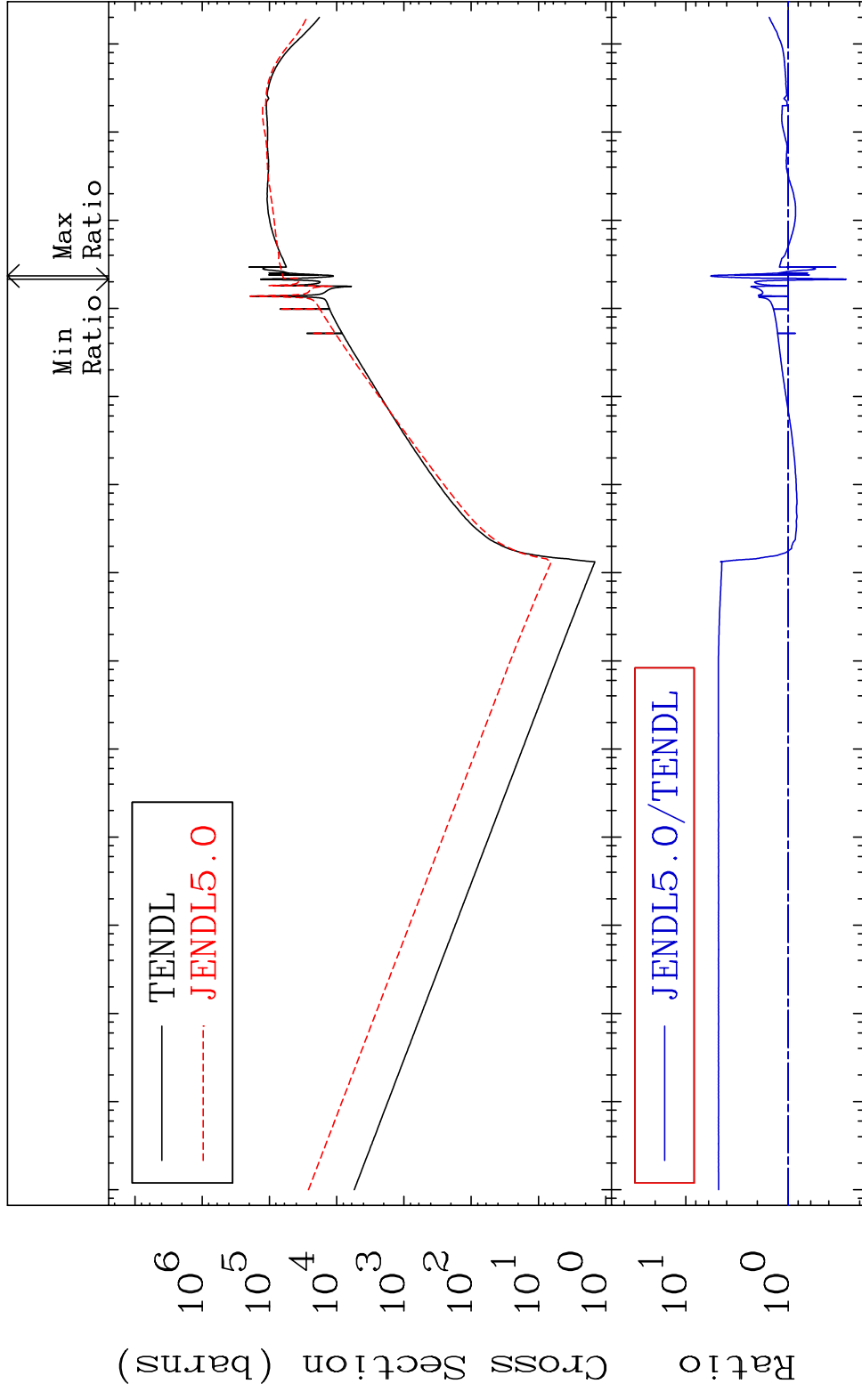


MAT 1028

Dpa total (eV-barns)

10-Ne-21

Cross Section -73.01 To 471.4 %



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

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Incident Energy (eV)

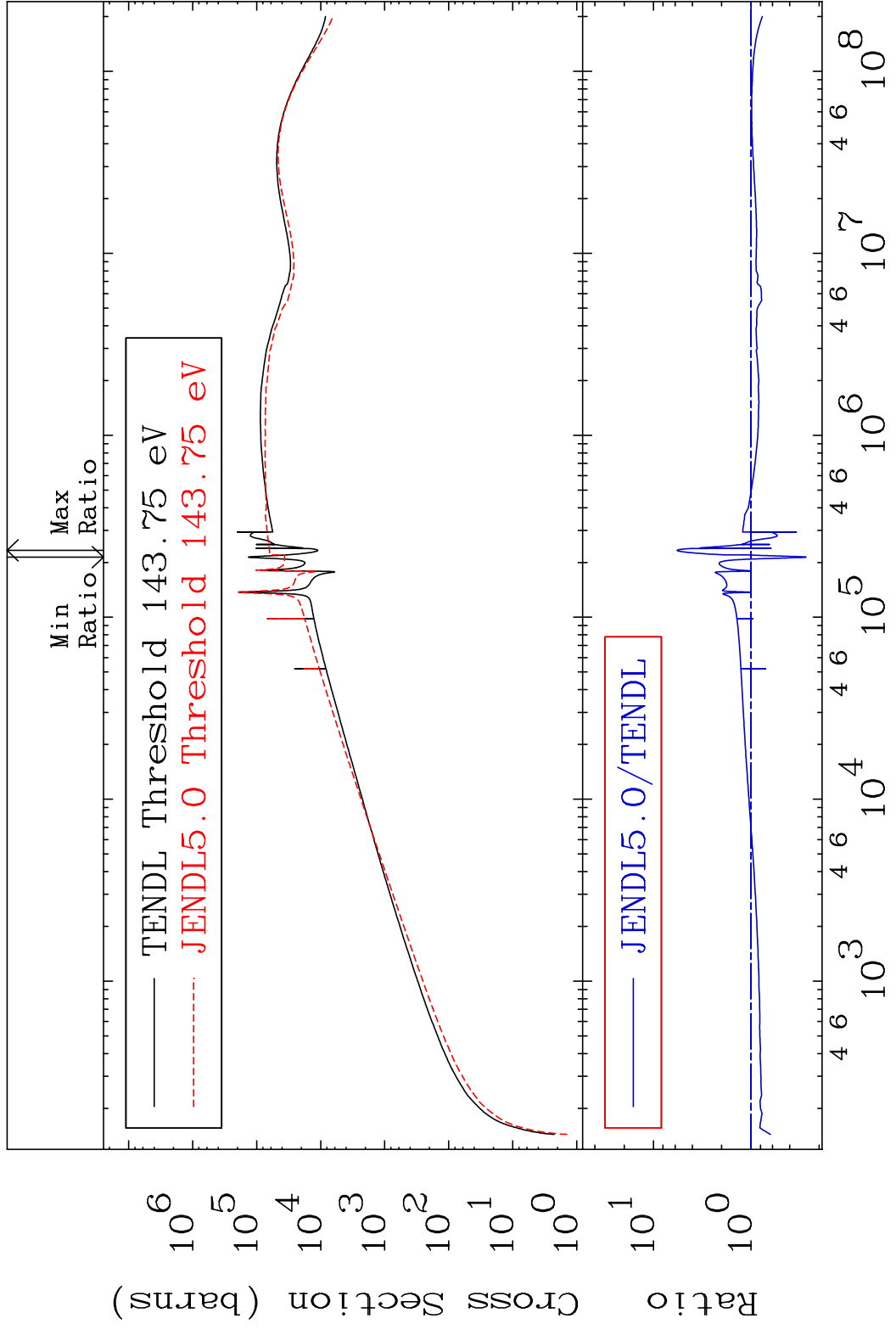
10-Ne-21

MAT 1028

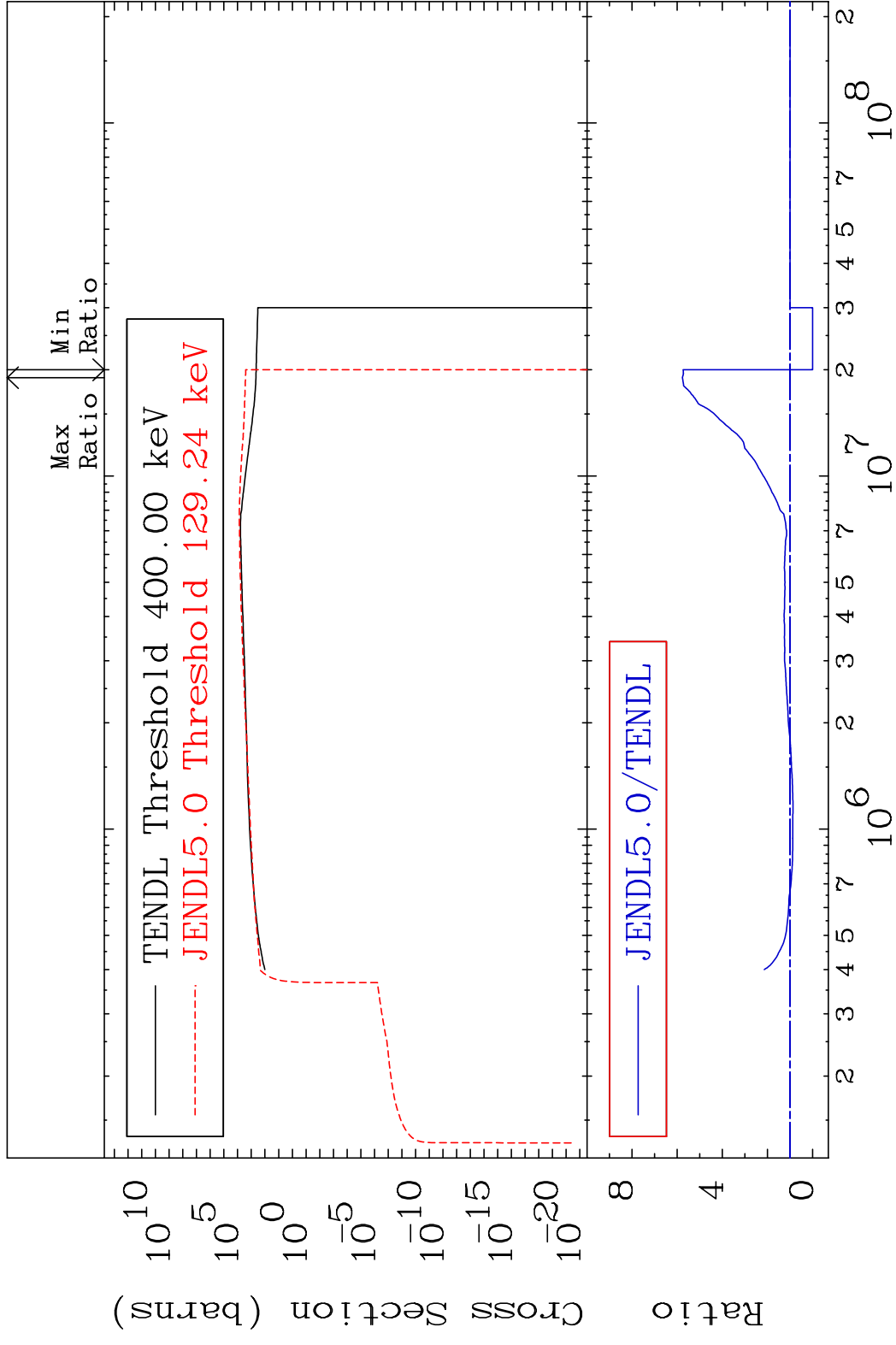
Dpa elastic (mt2)

10-Ne-21

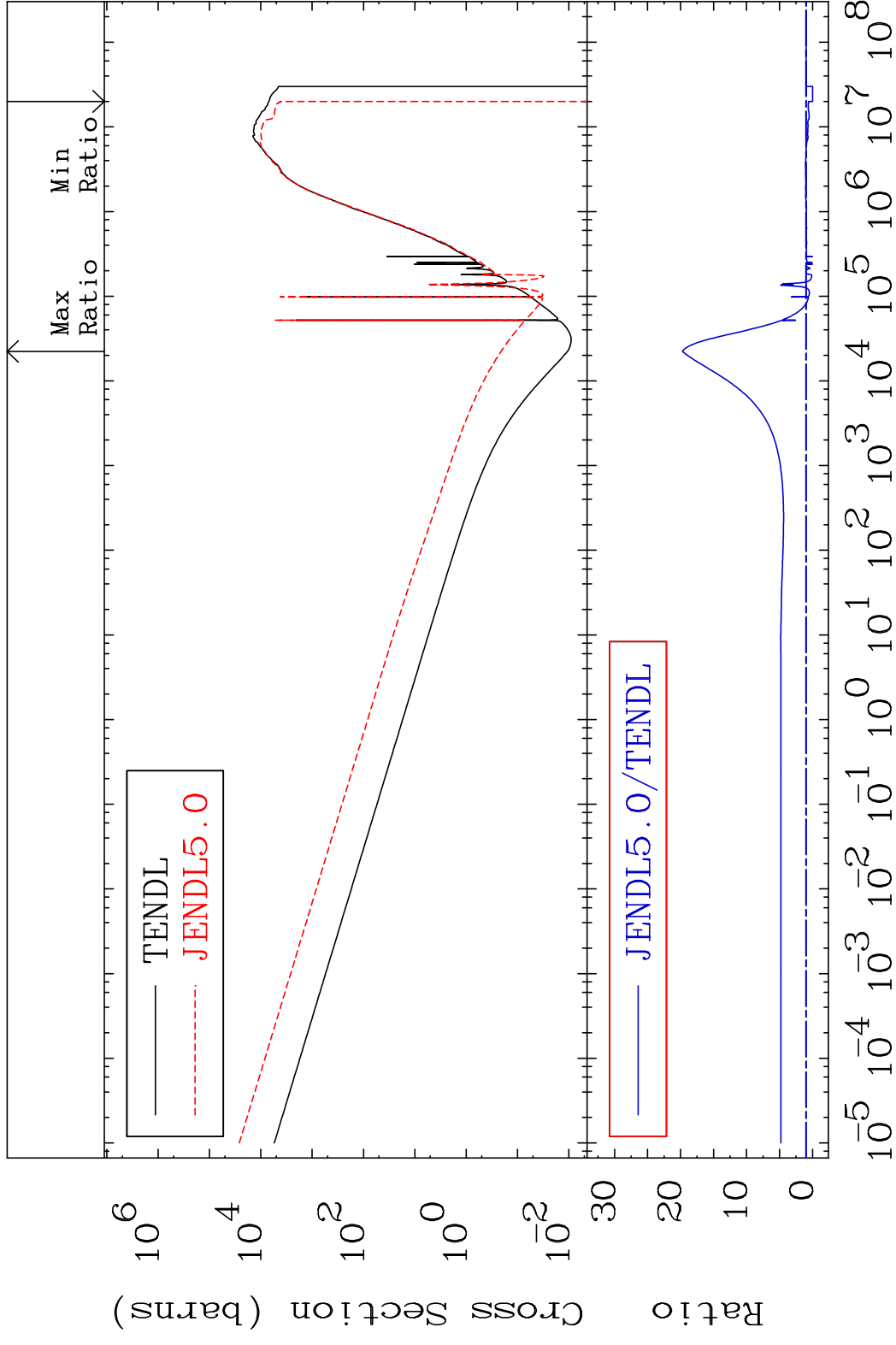
Cross Section -73.01 To 471.4 %



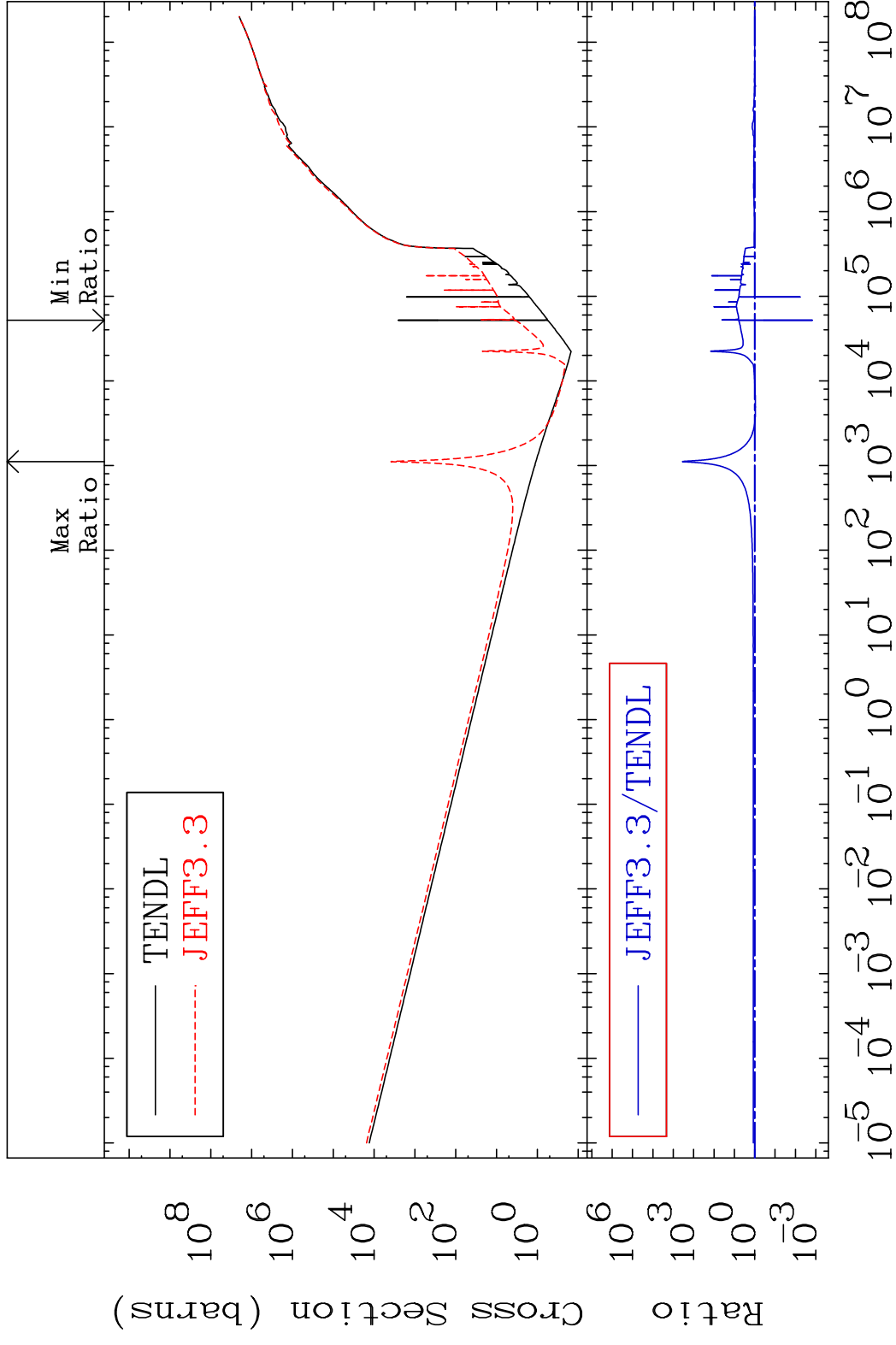
MAT 1028 Dpa inelastic (mt51-91) 10-Ne-21
 Cross Section -100.0 To 477.0 %



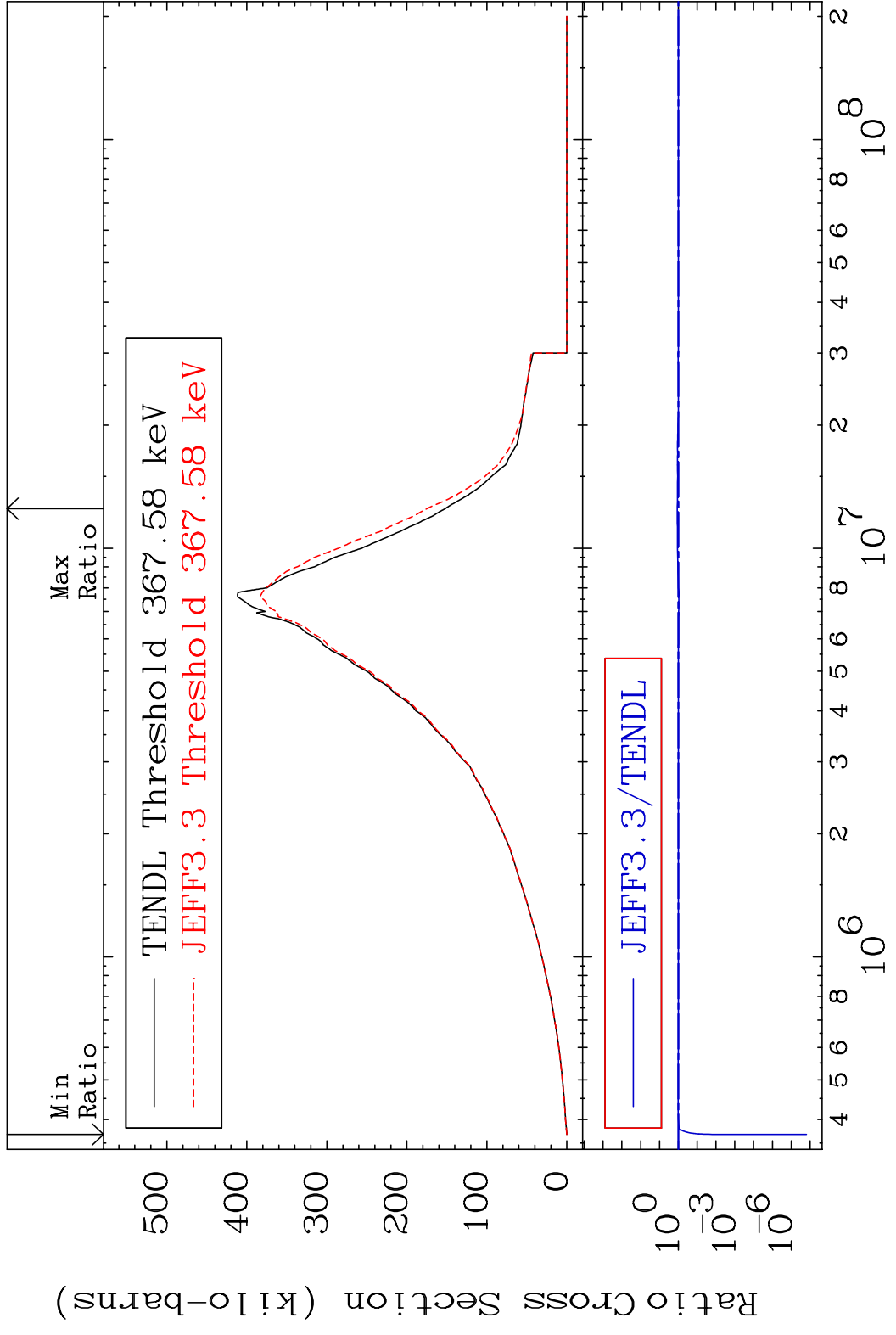
MAT 1028 Dpa disappearance (mt102 -120) 10-Ne-21
 Cross Section -100.0 To 1873. %



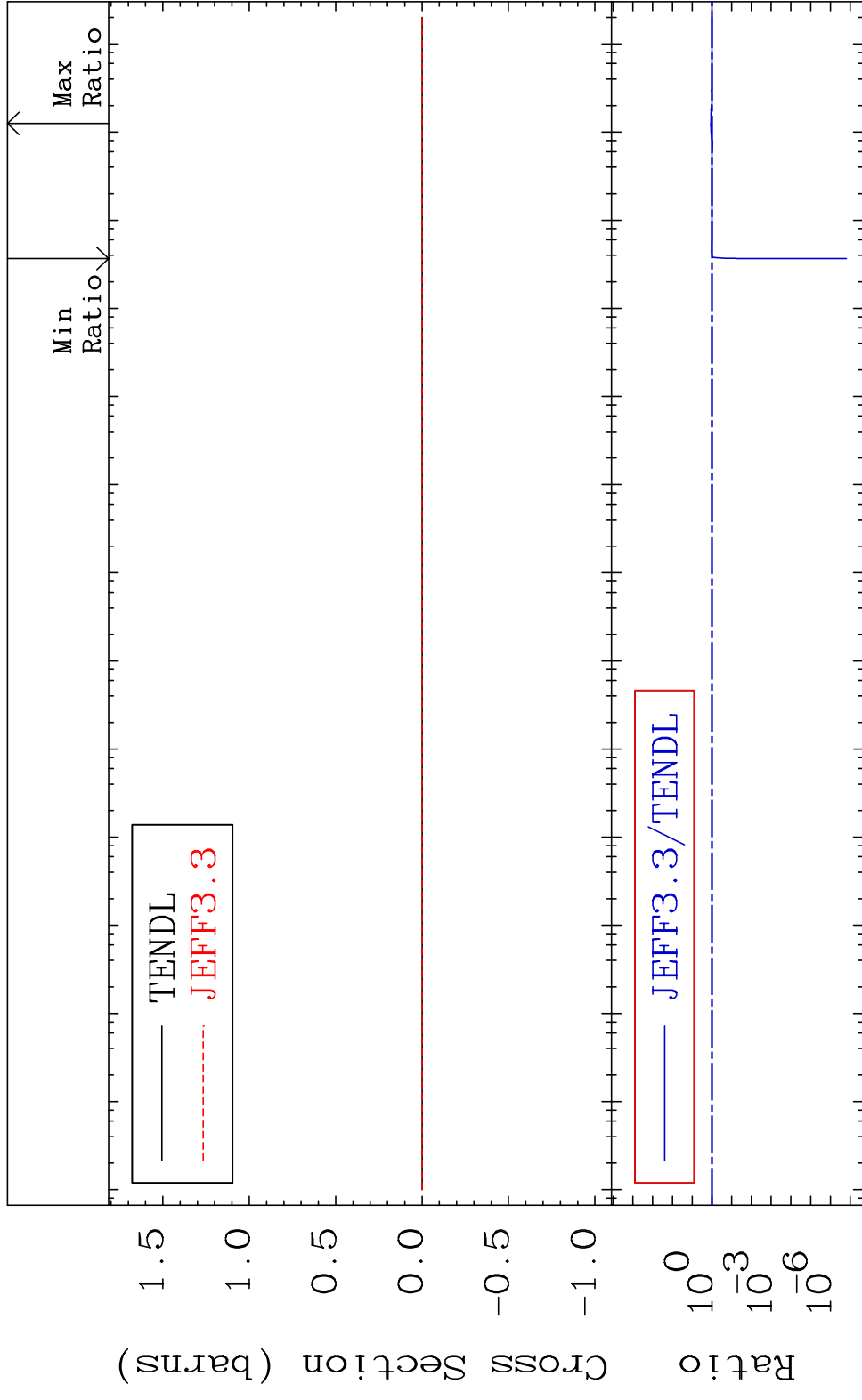
MAT 1028 Kerma non-elastic (all but mt2) 10-Ne-21
 Cross Section -99.86 To 9999. %



MAT 1028 Kerma inelastic (mt51-91) 10-Ne-21
 Cross Section -100.0 To 14.99 %

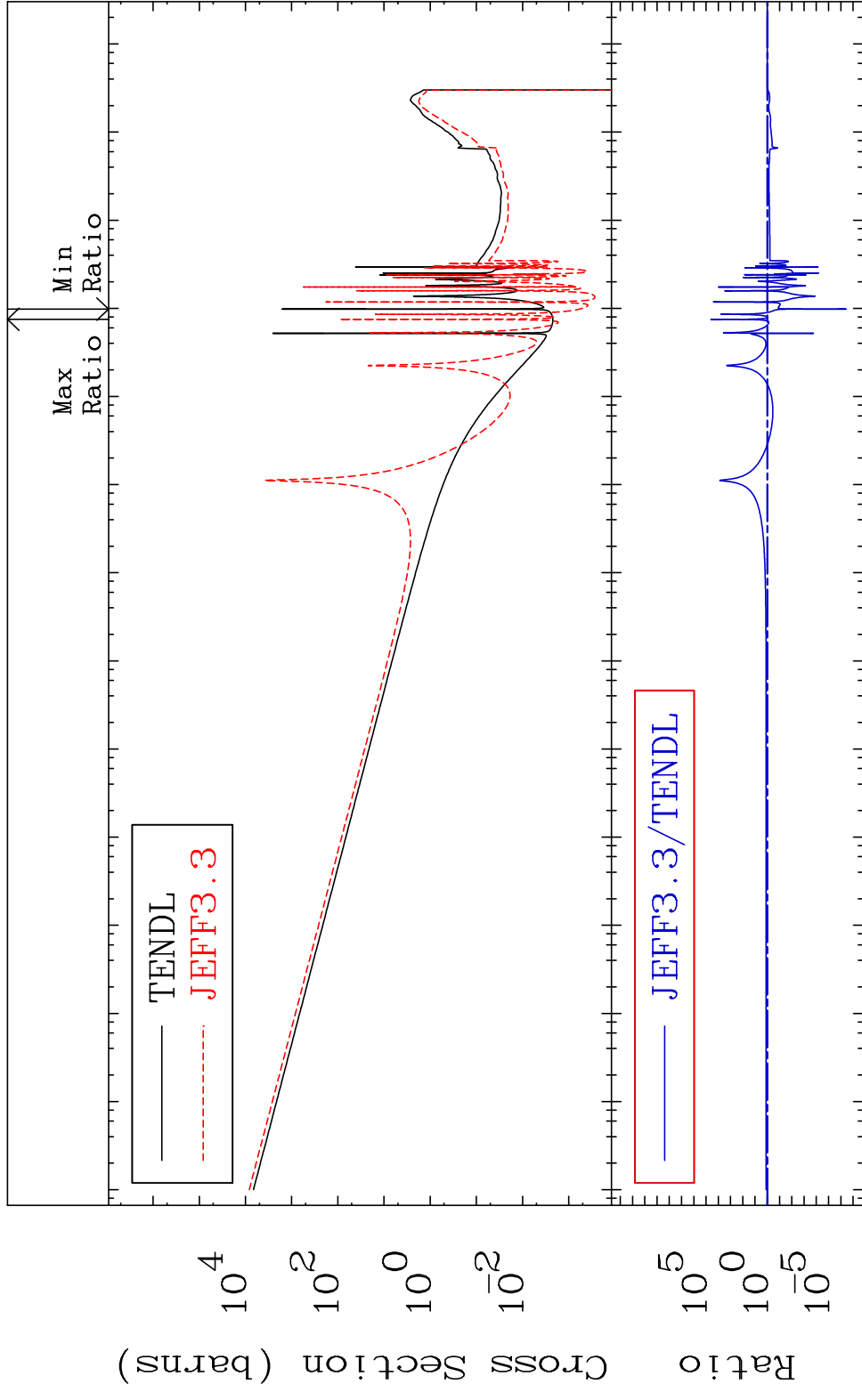


MAT 1028 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-21
 Cross Section -100.0 To 14.99 %



MAT 1028

Kerma capture (mt102) 10-Ne-21
Cross Section -100.0 To 9999. %



Ratio
10⁵
10⁰
10⁻⁵

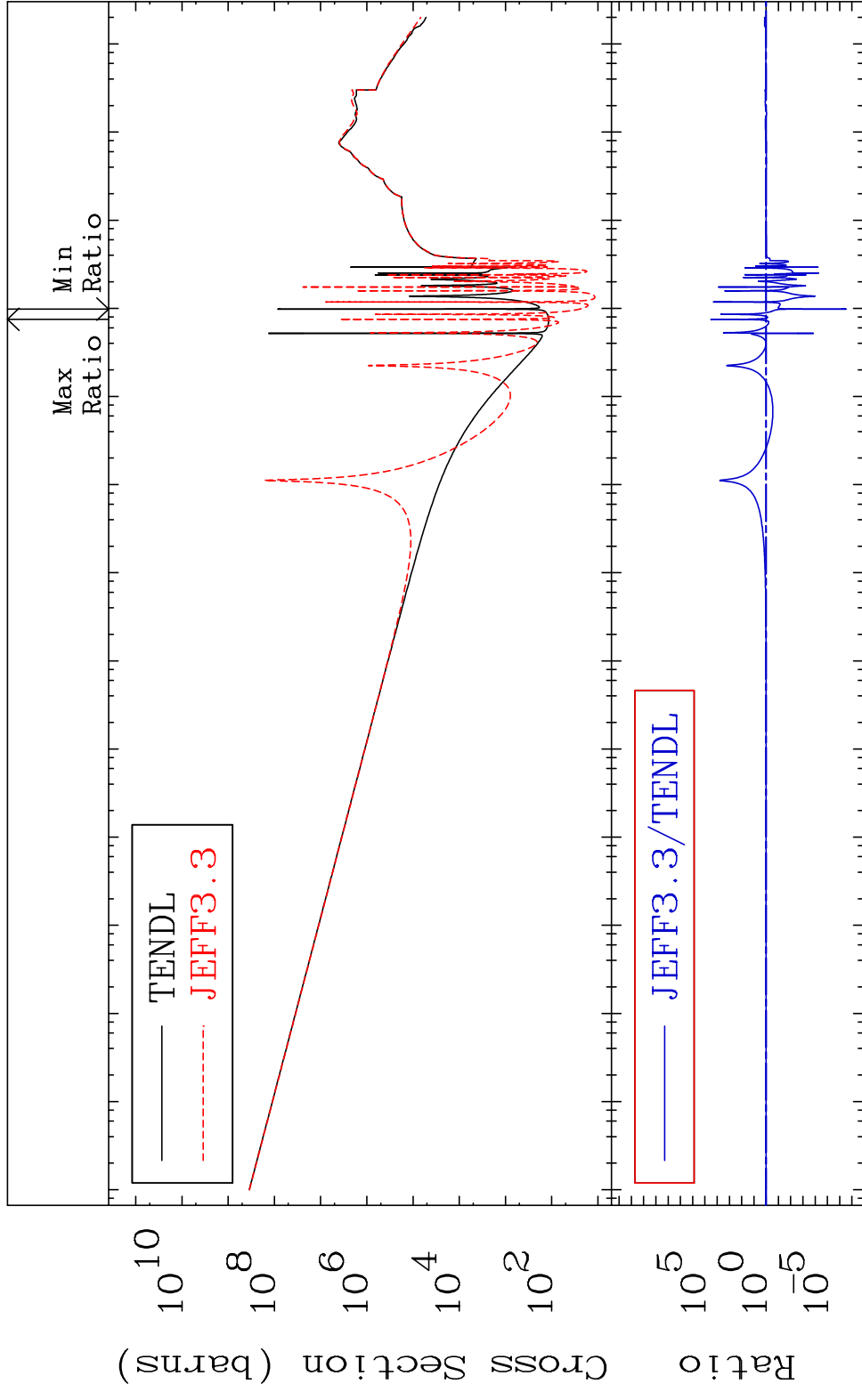
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

70

Incident Energy (eV)

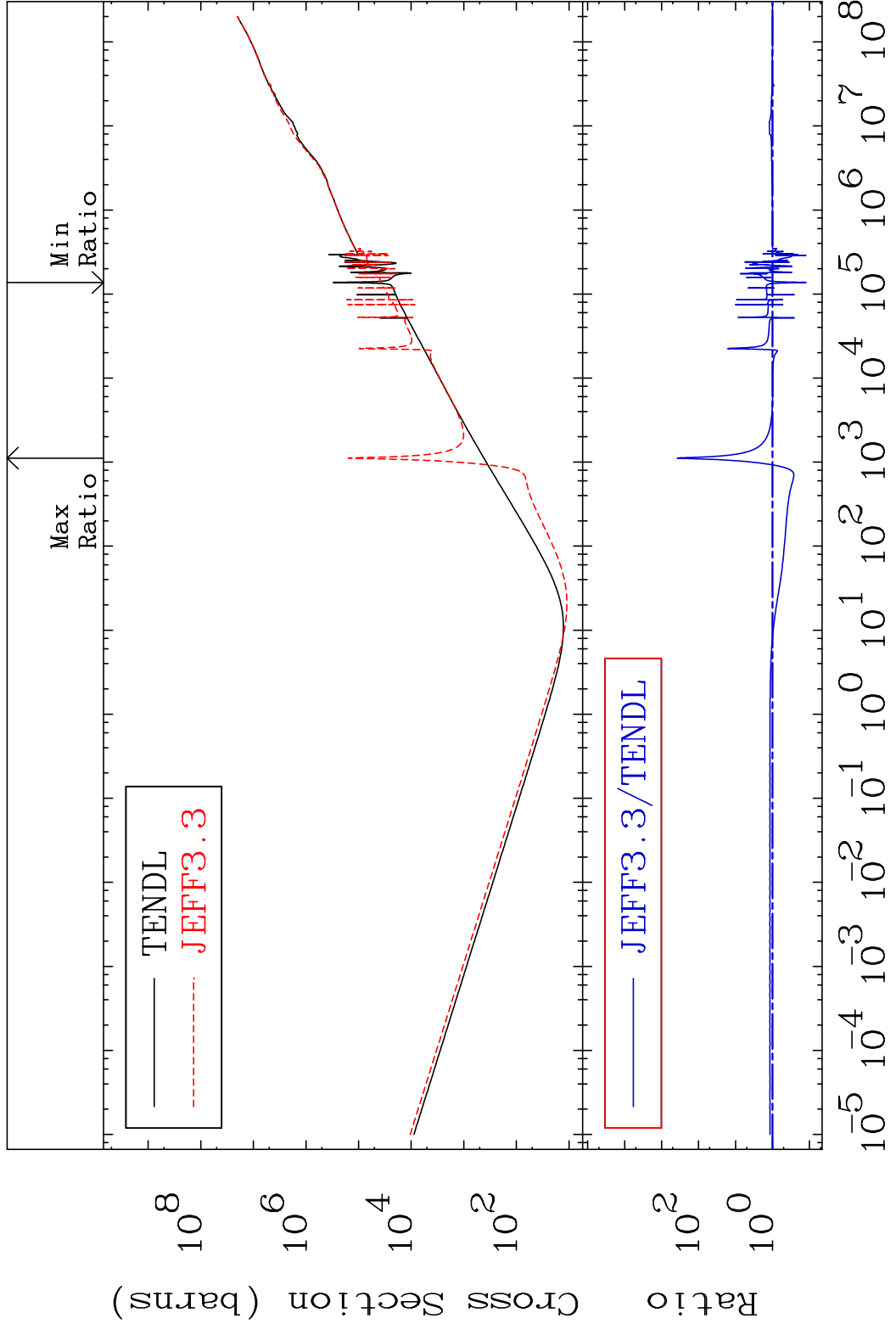
10-Ne-21

MAT 1028 Total photon (eV-barns) 10-Ne-21
 Cross Section -100.0 To 9999. %

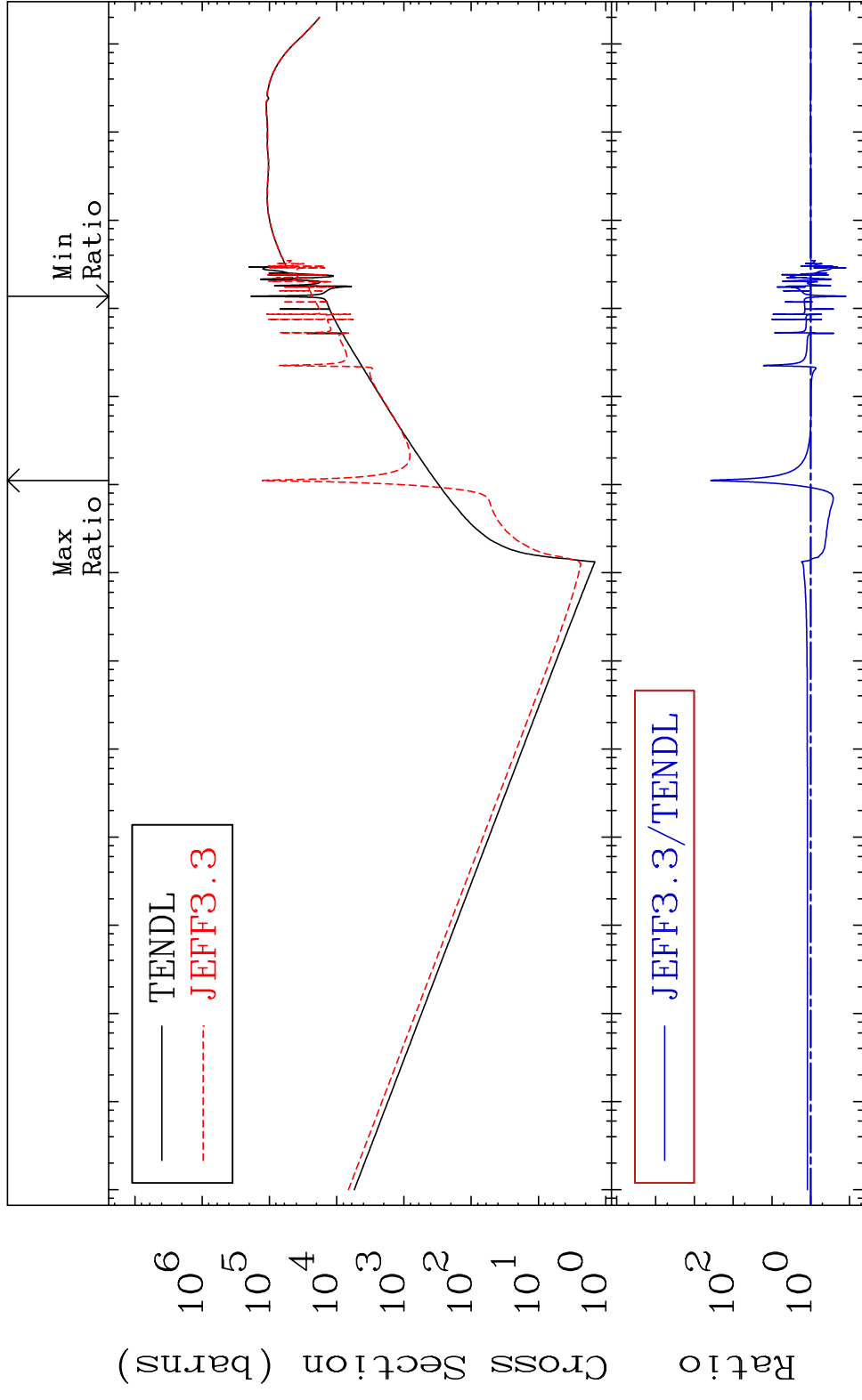


71 Incident Energy (eV) 10-Ne-21

MAT 1028 Total kinematic kerma (high limit) 10-Ne-21
 Cross Section -87.90 To 9999. %

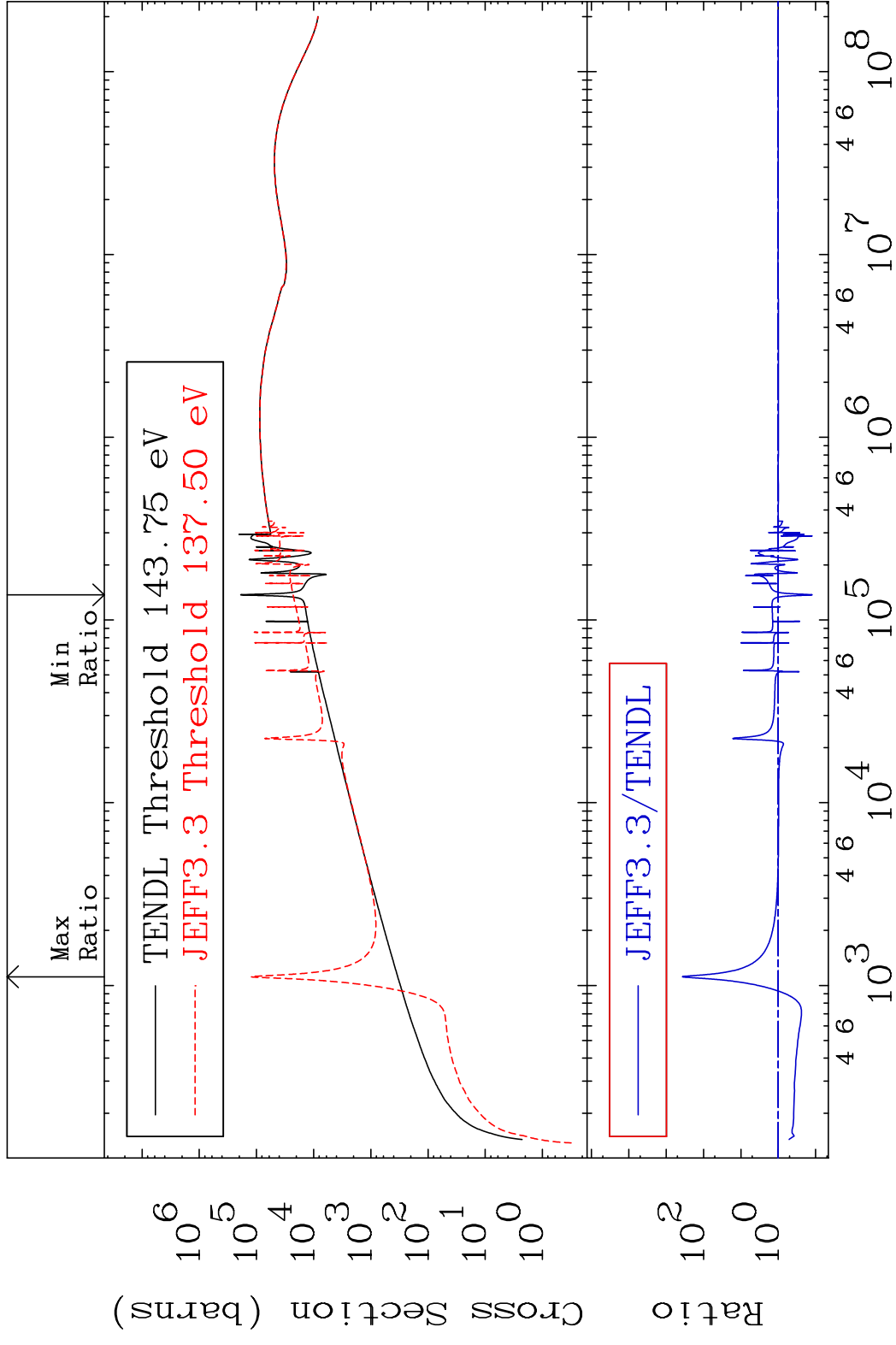


MAT 1028 Dpa total (eV-barns) 10-Ne-21
 Cross Section -87.91 To 9999. %

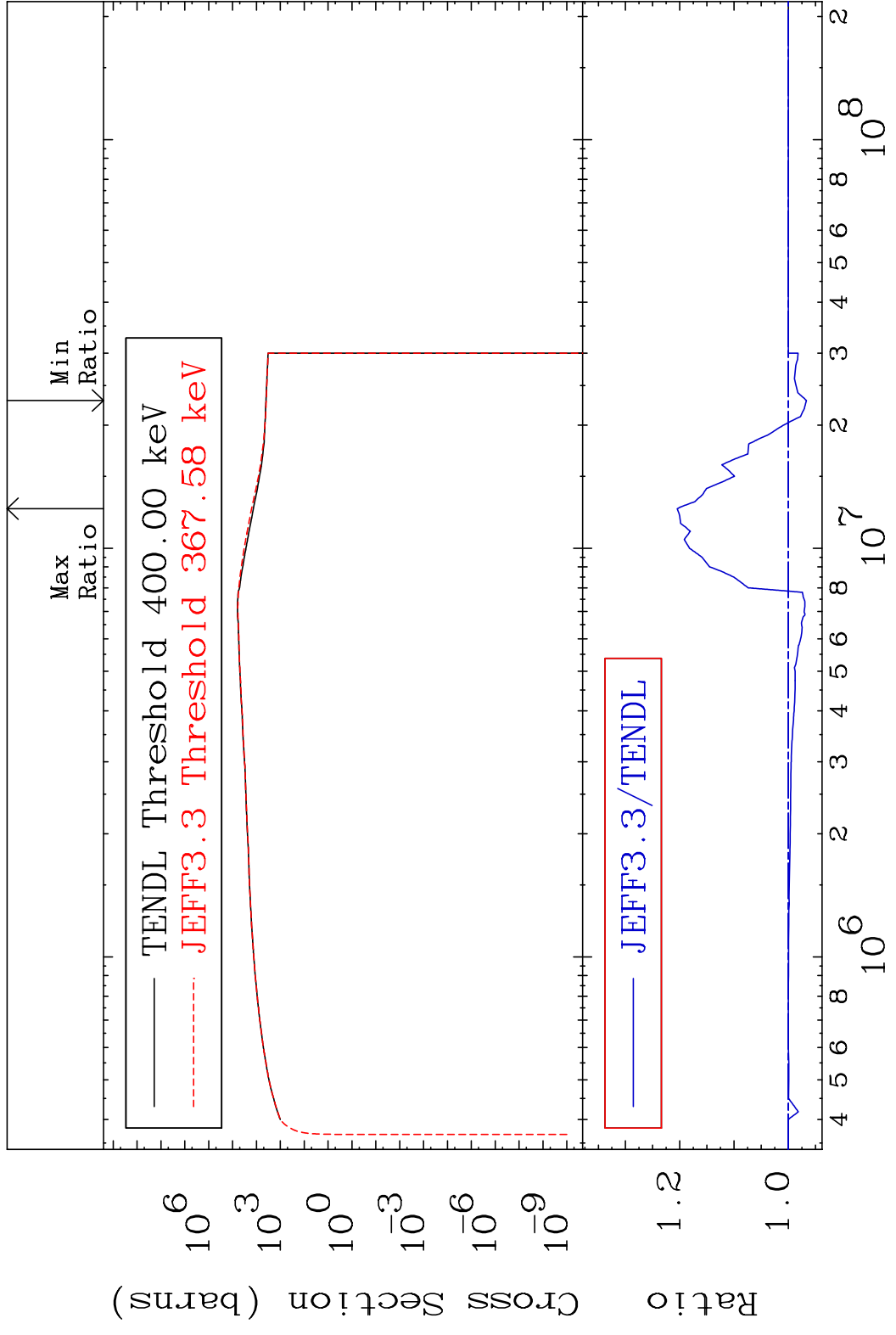


73 Incident Energy (eV) 10-Ne-21

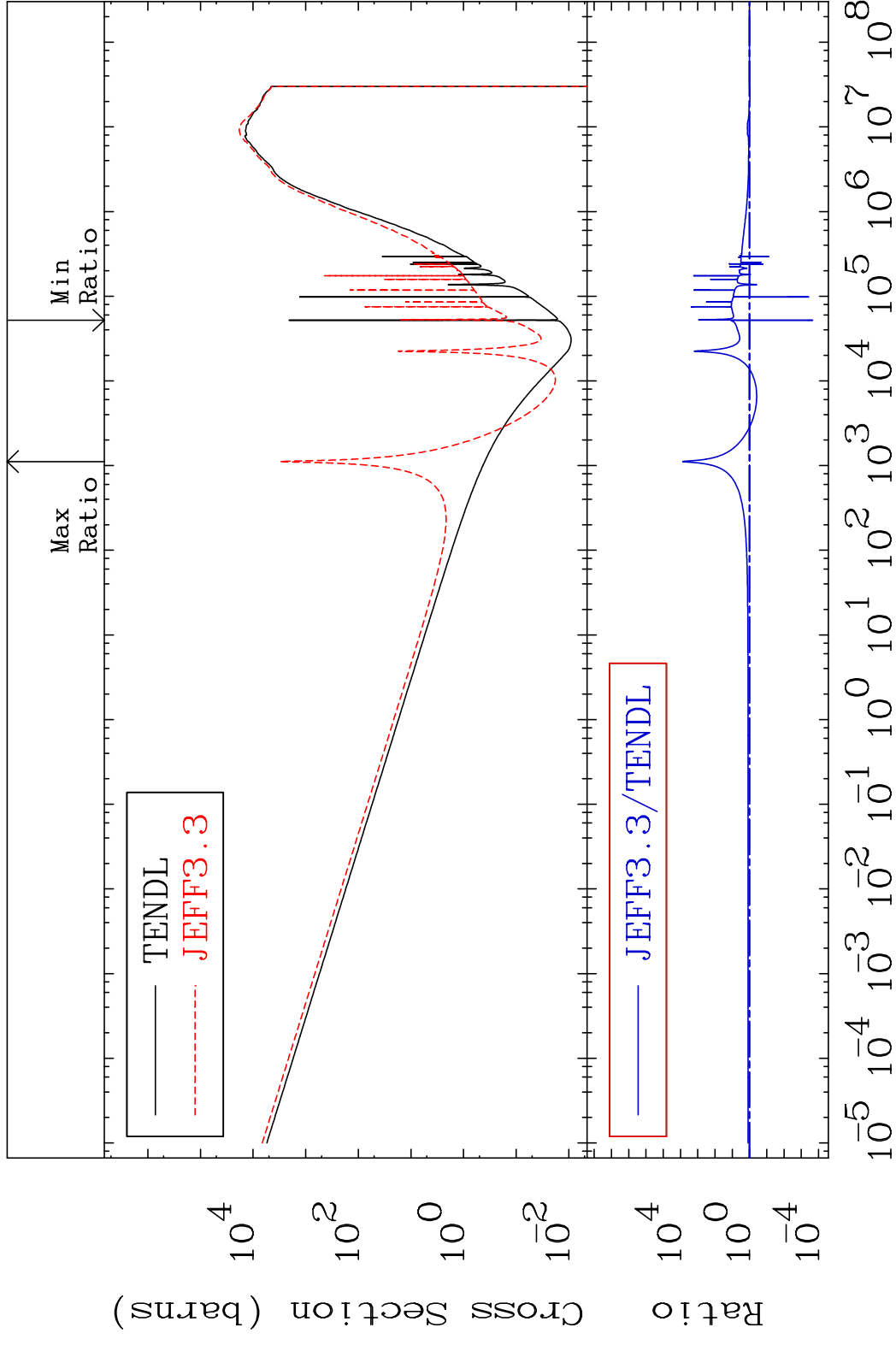
MAT 1028 Dpa elastic (mt2) 10-Ne-21
 Cross Section -87.91 To 9999. %



MAT 1028 Dpa inelastic (mt51-91) 10-Ne-21
 Cross Section -3.329 To 20.48 %



MAT 1028 Dpa disappearance (mt102 -120) 10-Ne-21
 Cross Section -99.98 To 9999. %



76 Incident Energy (eV) 10-Ne-21