

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

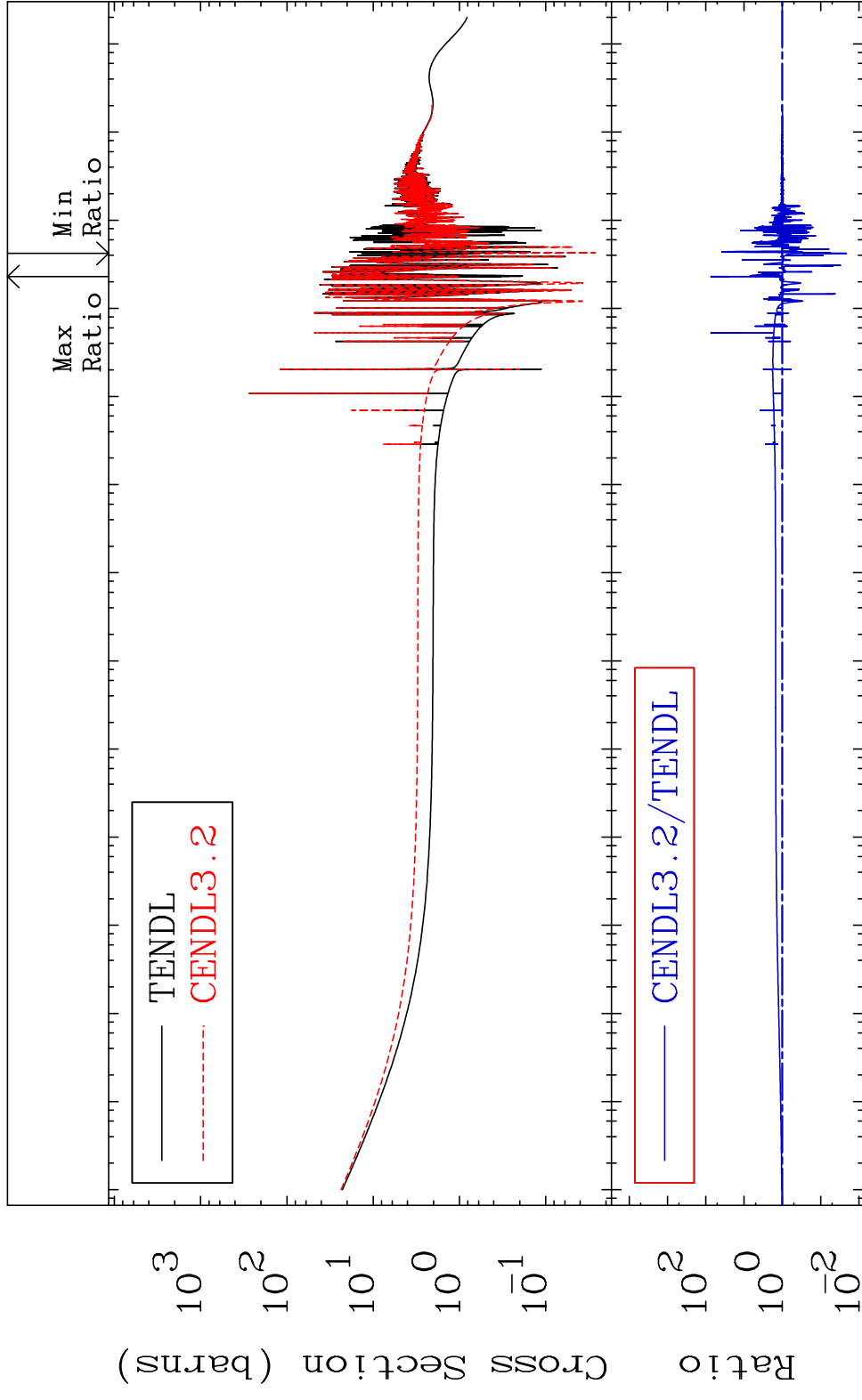
MAT 2025

Total

20-Ca-40

Cross Section

-97.87 To 7318. %



1

Incident Energy (eV)

20-Ca-40

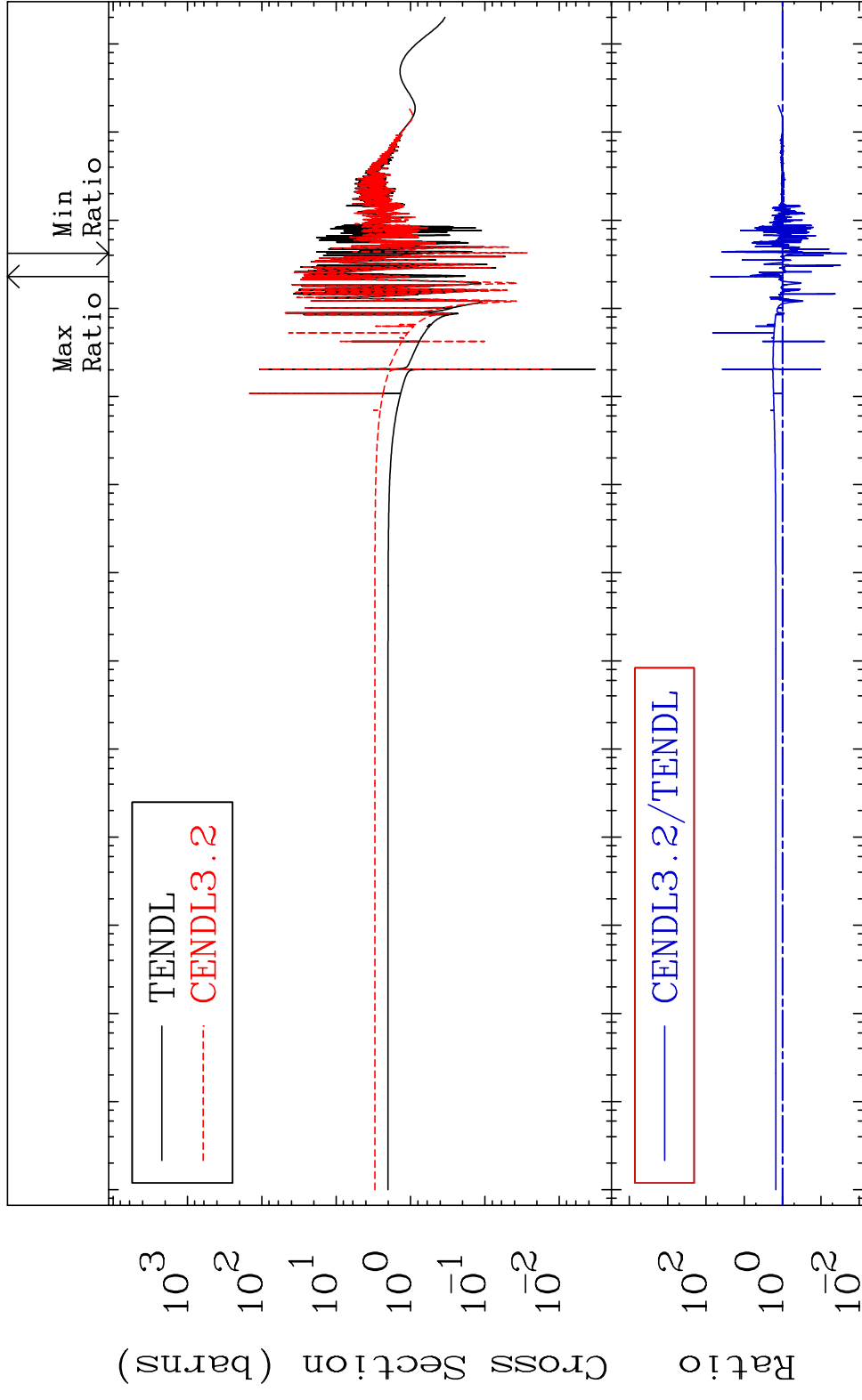
MAT 2025

Elastic

20-Ca-40

Cross Section

-97.84 To 7417. %

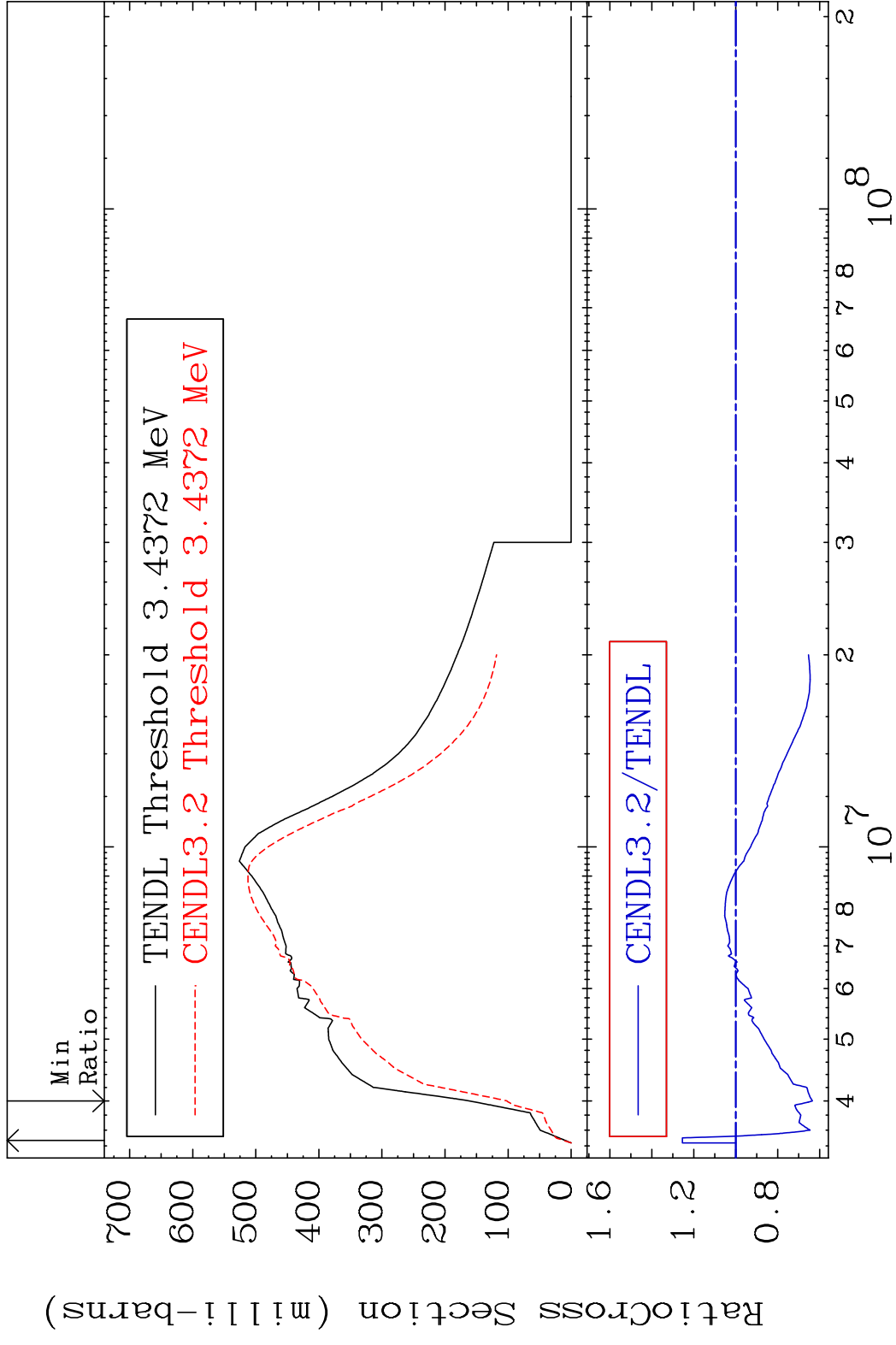


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

20-Ca-40

MAT 2025 Inelastic 20-Ca-40
 Cross Section -36.59 To 25.43 %



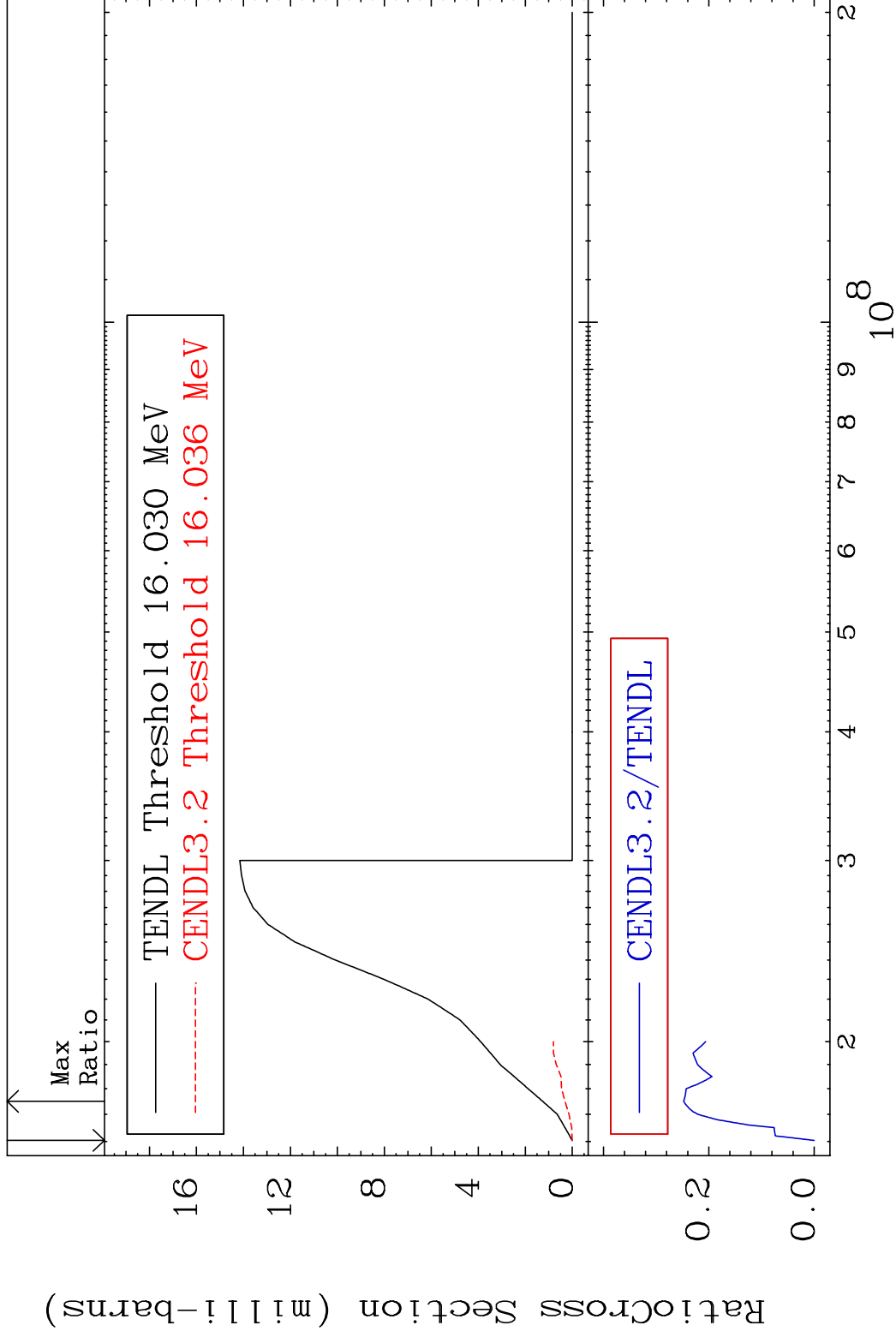
3 Incident Energy (eV) 20-Ca-40

MAT 2025

(n,2n)

20-Ca-40

Cross Section -100.0 To -75.23%

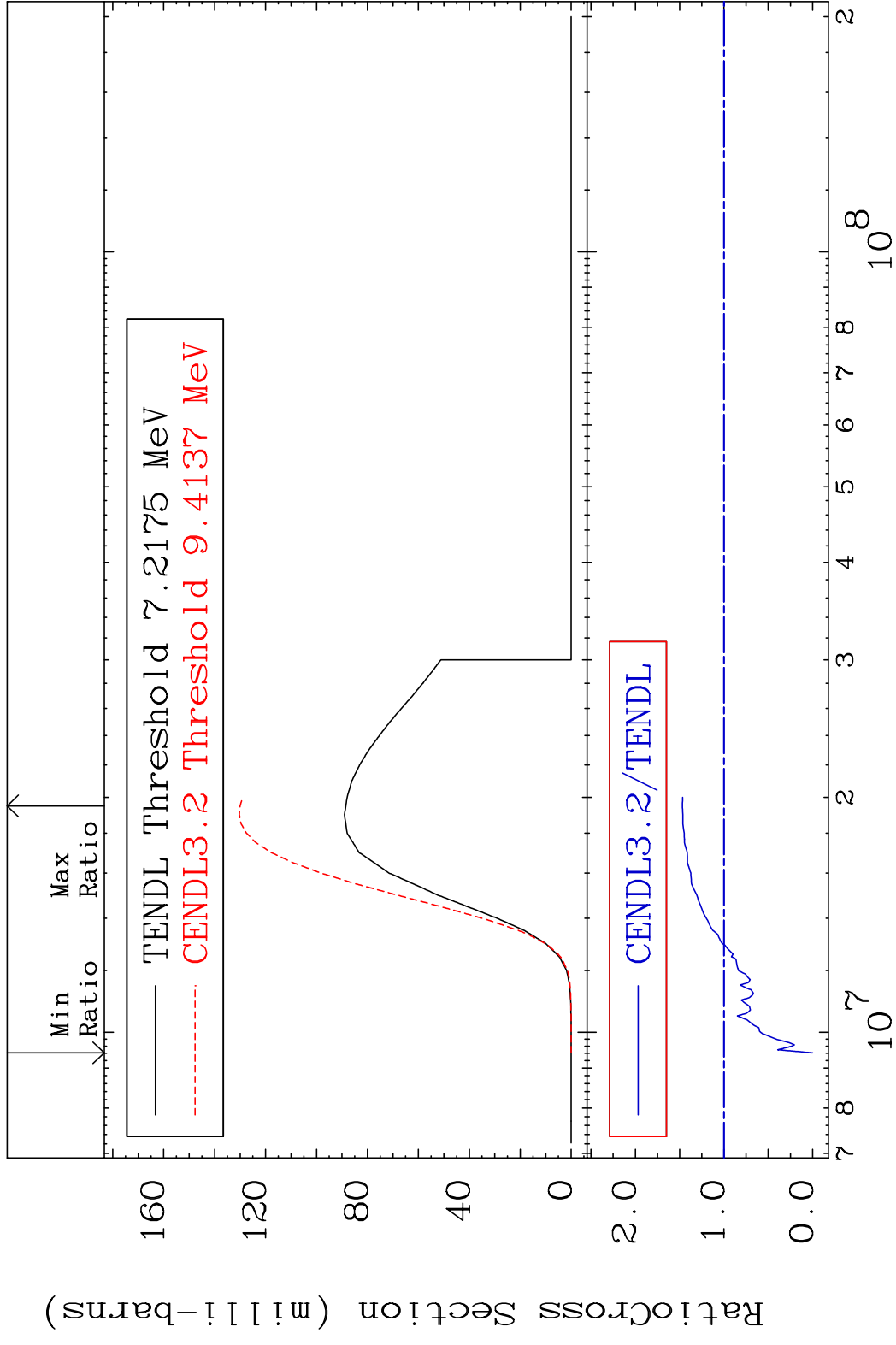


4

Incident Energy (eV)

20-Ca-40

MAT 2025 (n, n') α 20-Ca-40
 Cross Section -100.0 To 46.91 %



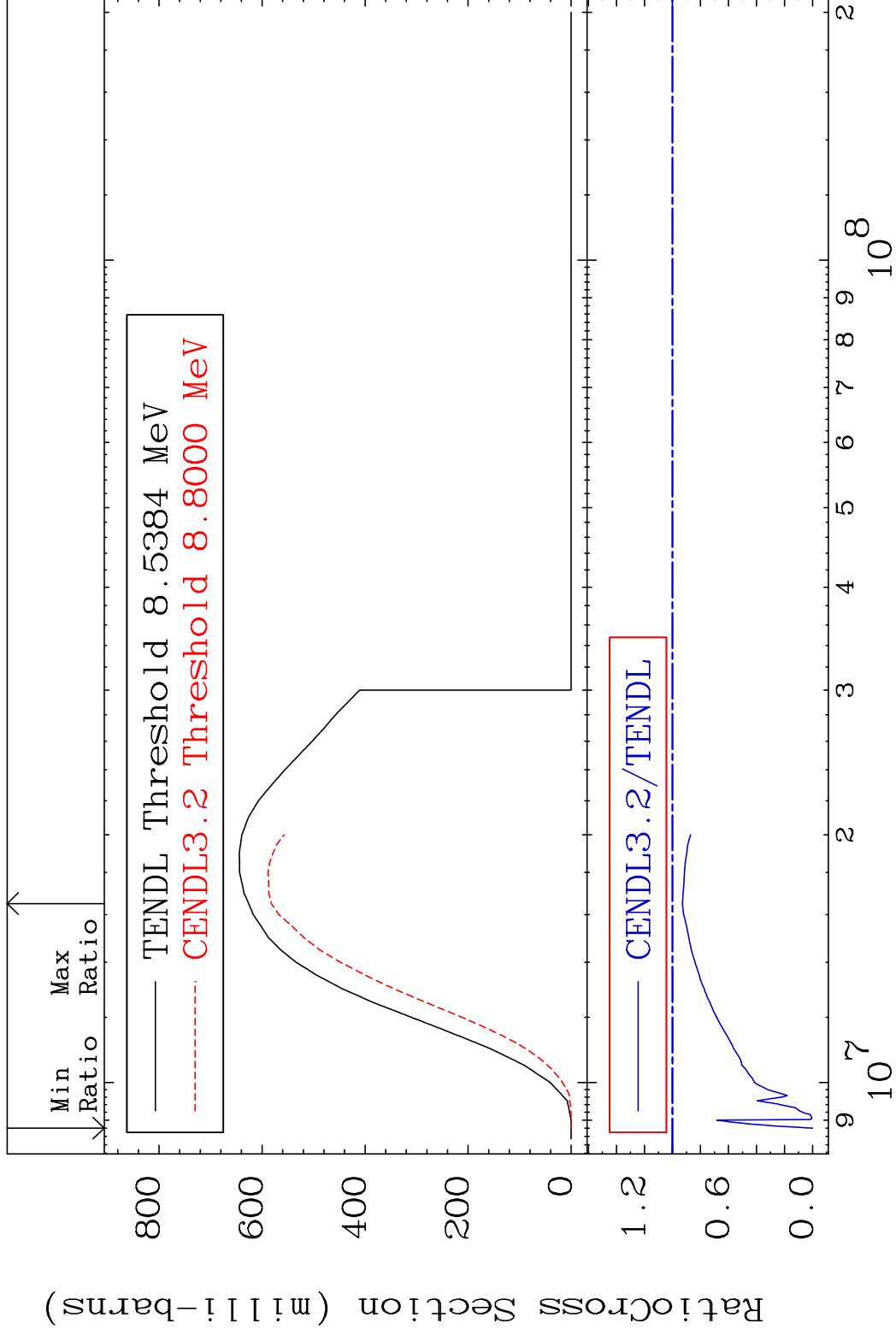
5 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2

MAT 2025

(n, n') p

20-Ca-40

Cross Section -100.0 To -7.060%

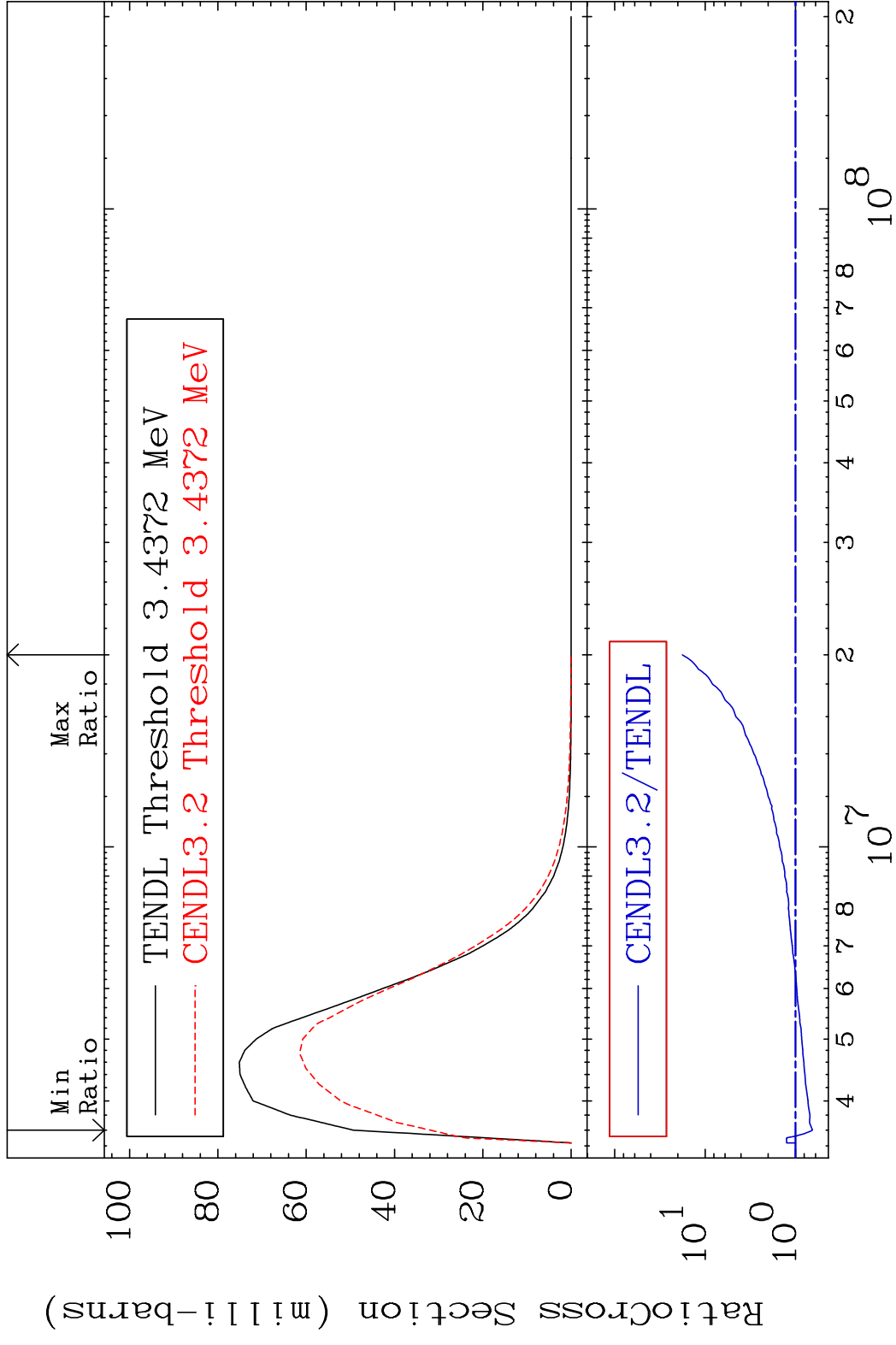


6

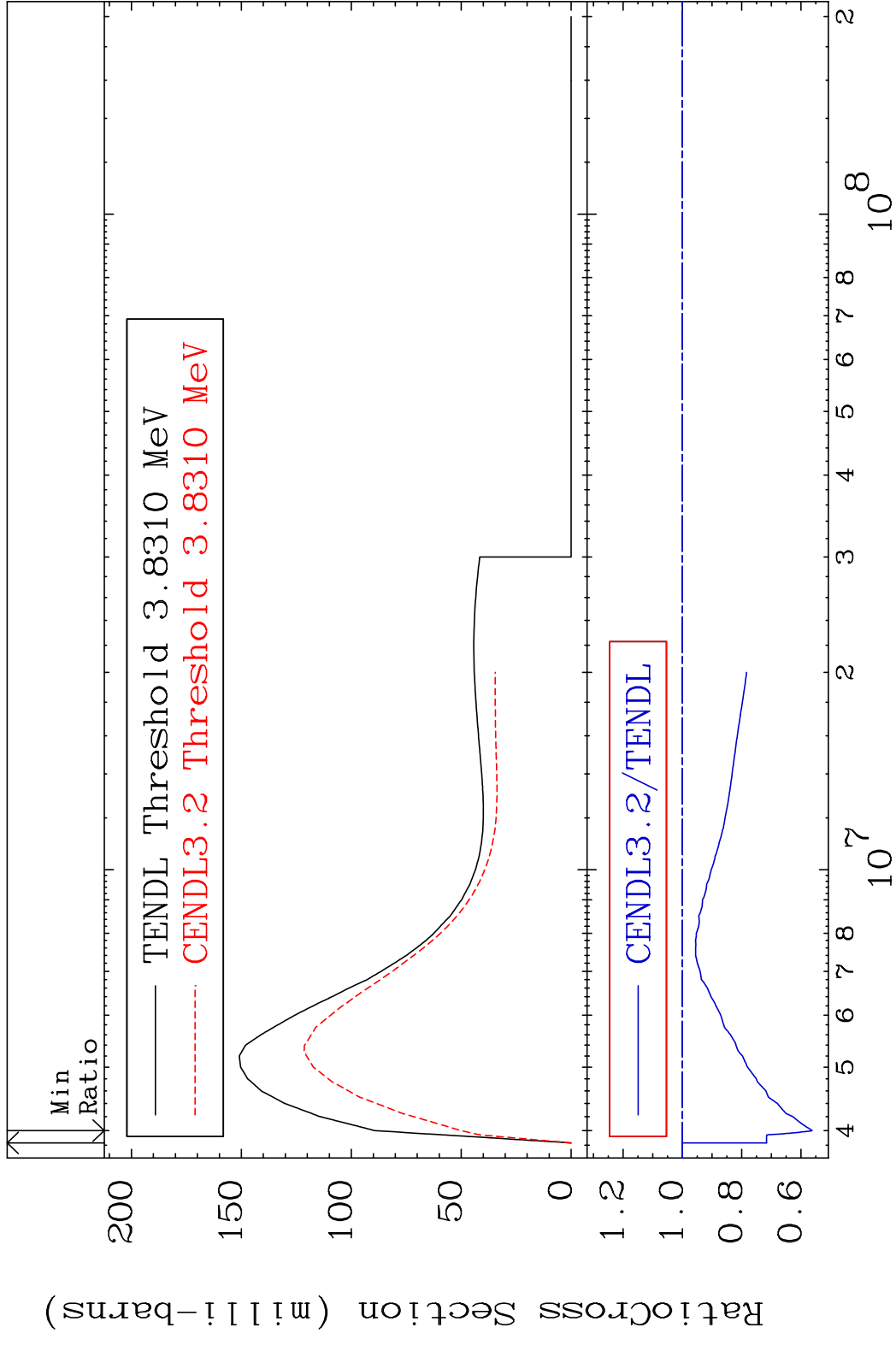
Incident Energy (eV)

20-Ca-40

MAT 2025 MT= 51 (n,n') Level 20-Ca-40
 Cross Section -35.37 To 1686. %

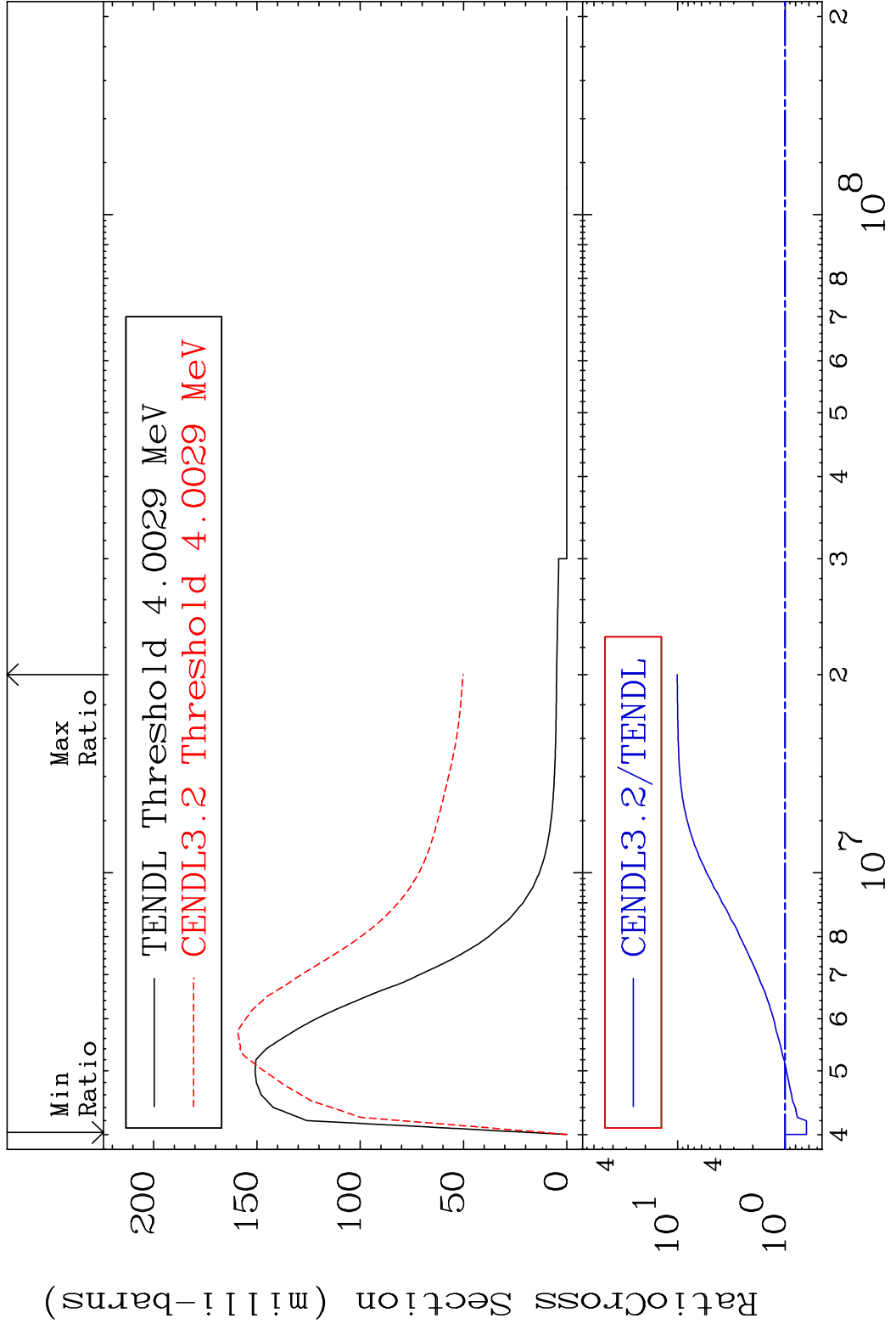


MAT 2025 MT= 52 (n,n') Level 20-Ca-40
 Cross Section -43.93 To 0.000 %

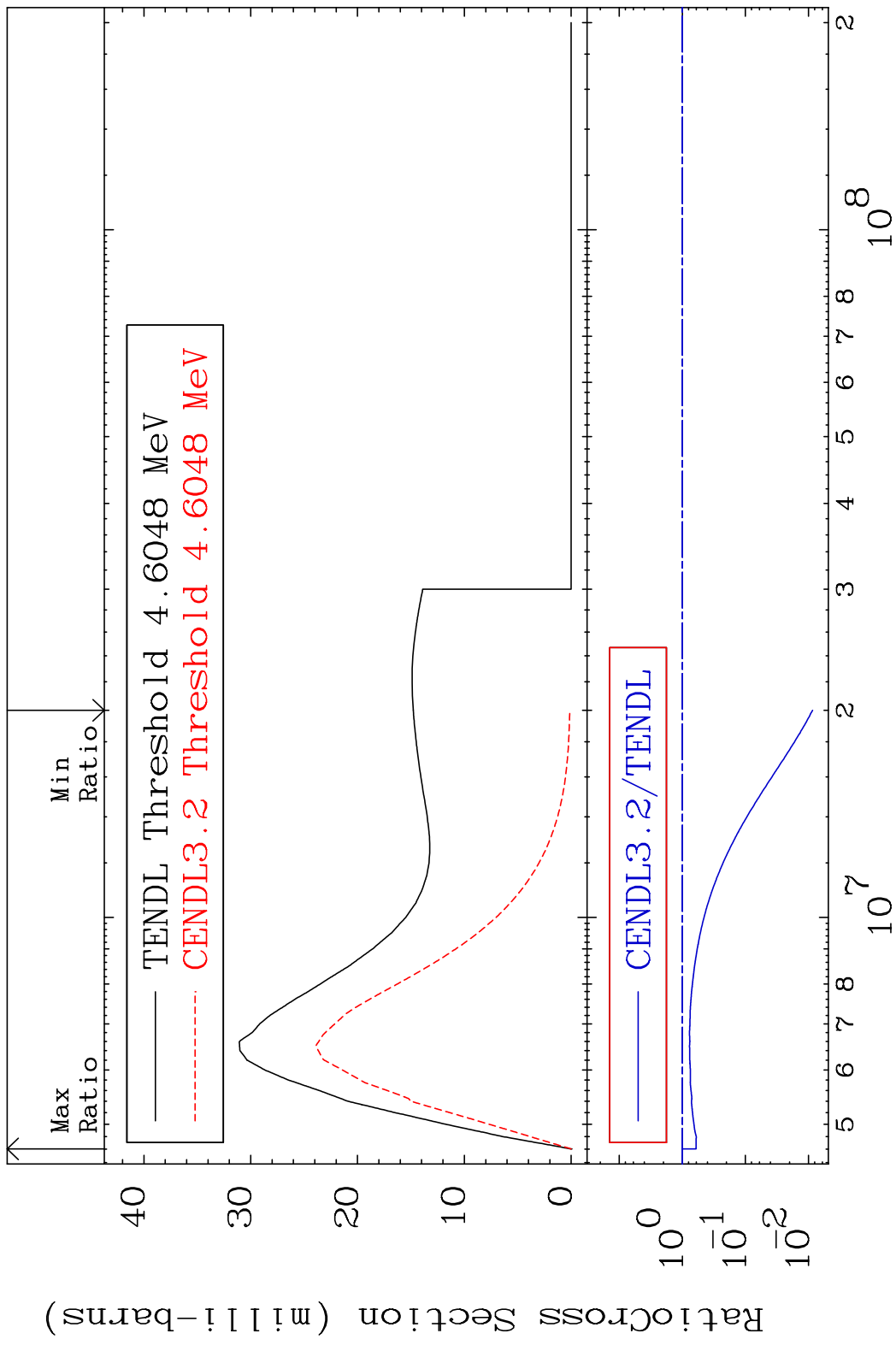


8 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 53 (n, n') Level 20-Ca-40
 Cross Section -36.70 To 909.6 %

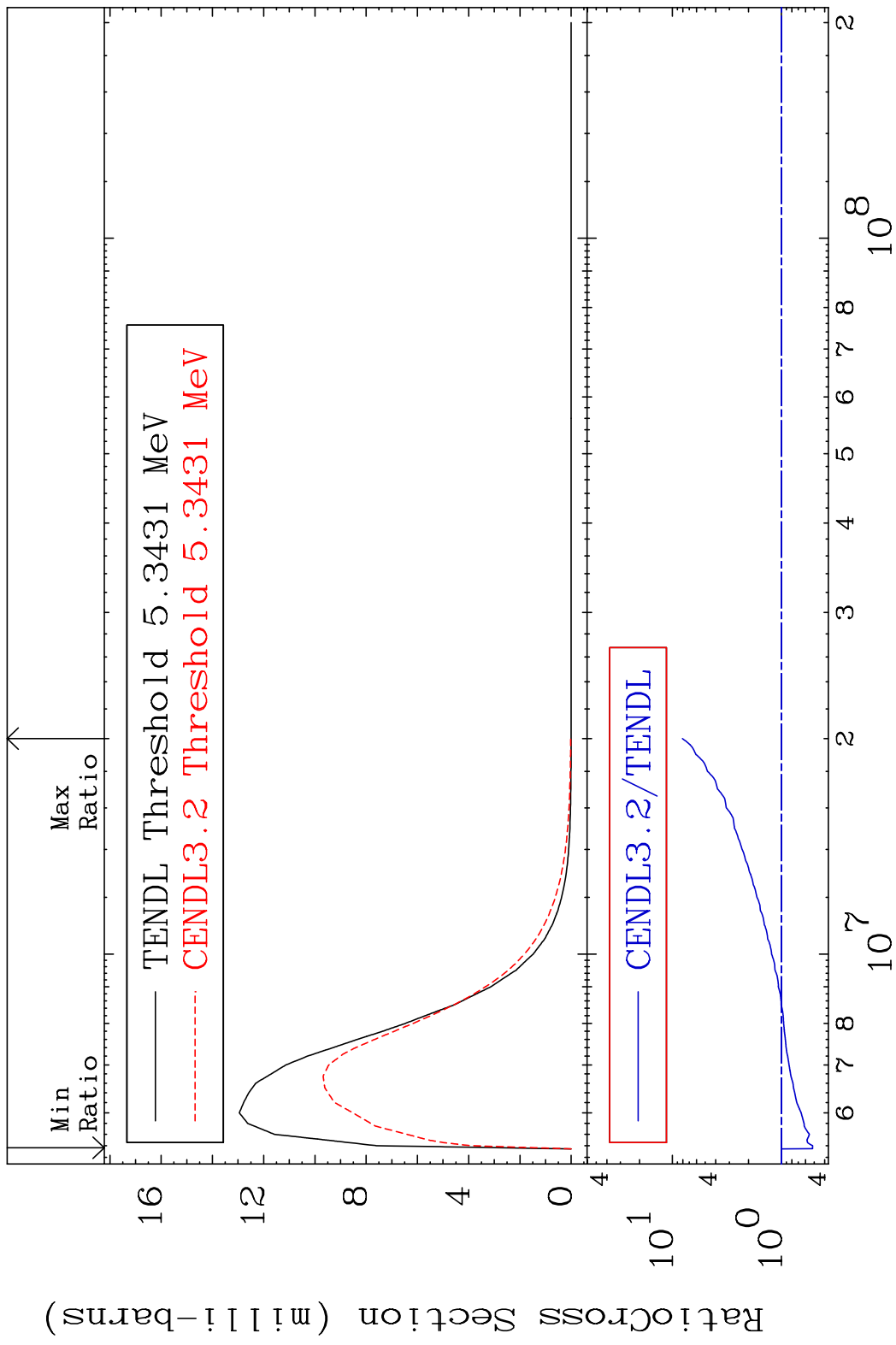


MAT 2025 MT= 54 (n, n') Level 20-Ca-40
 Cross Section -99.14 To 0.000 %

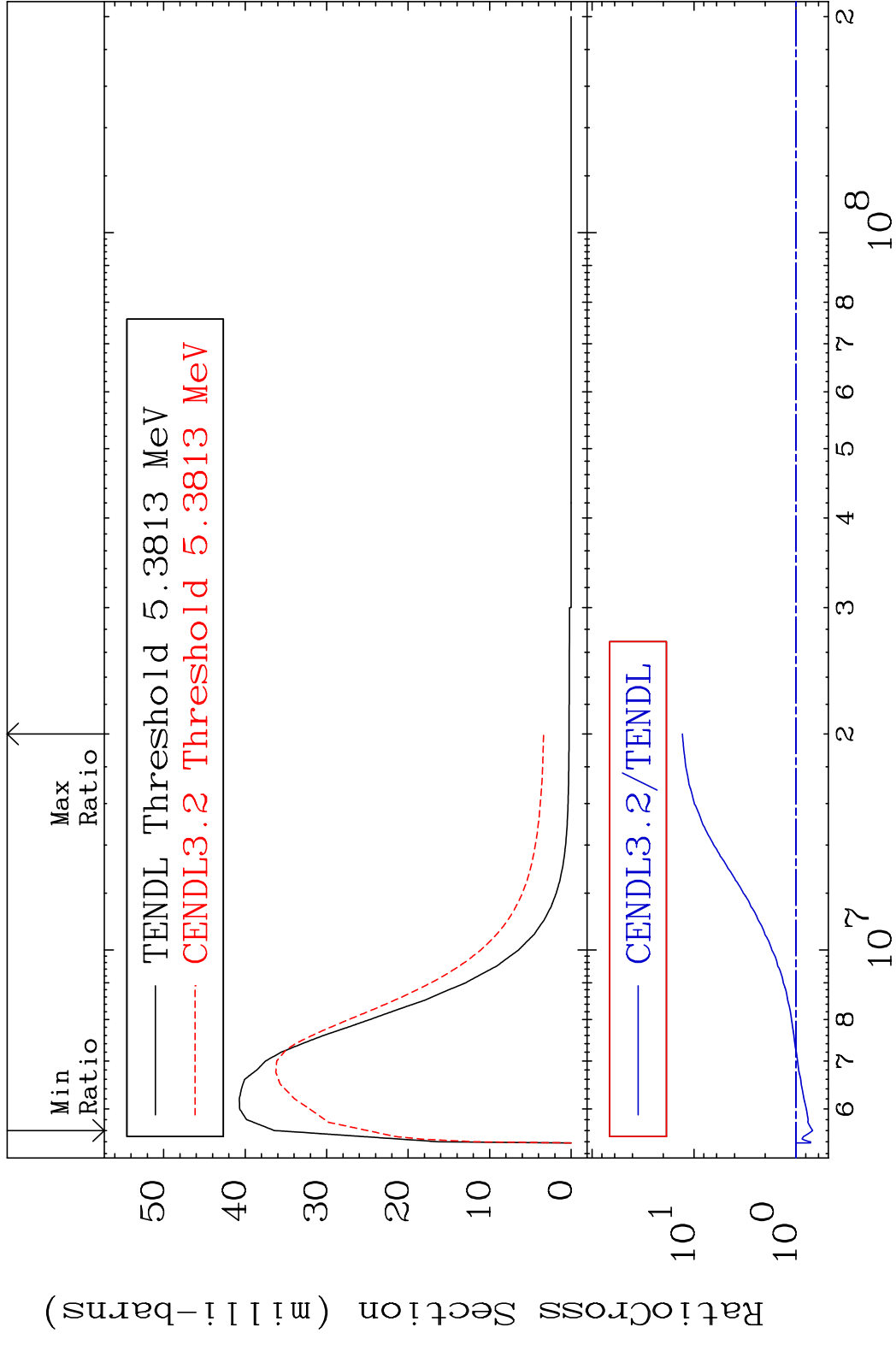


10 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 55 (n,n') Level 20-Ca-40
 Cross Section -48.28 To 710.3 %

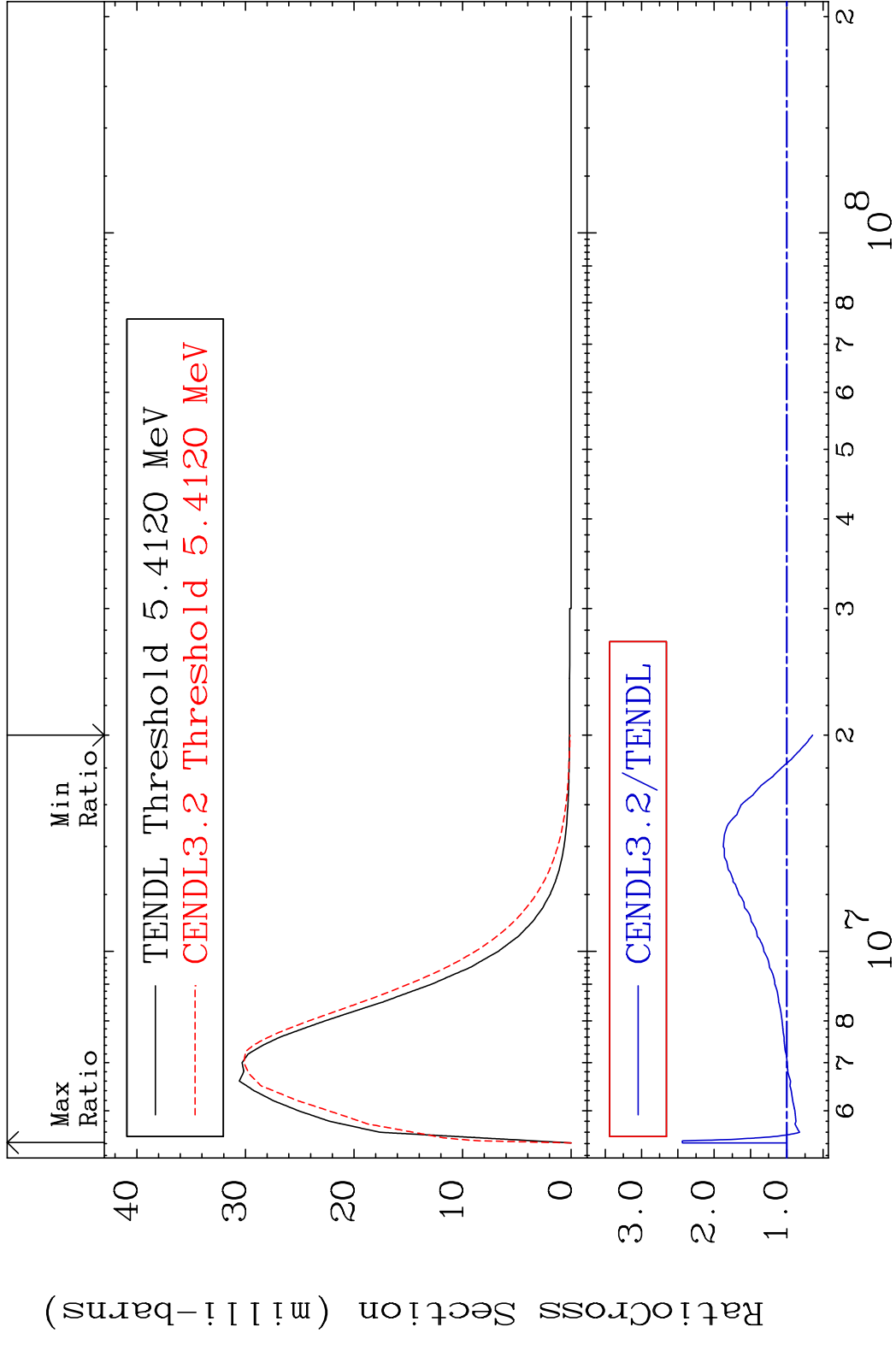


MAT 2025 MT= 56 (n,n') Level 20-Ca-40
 Cross Section -31.36 To 1199. %

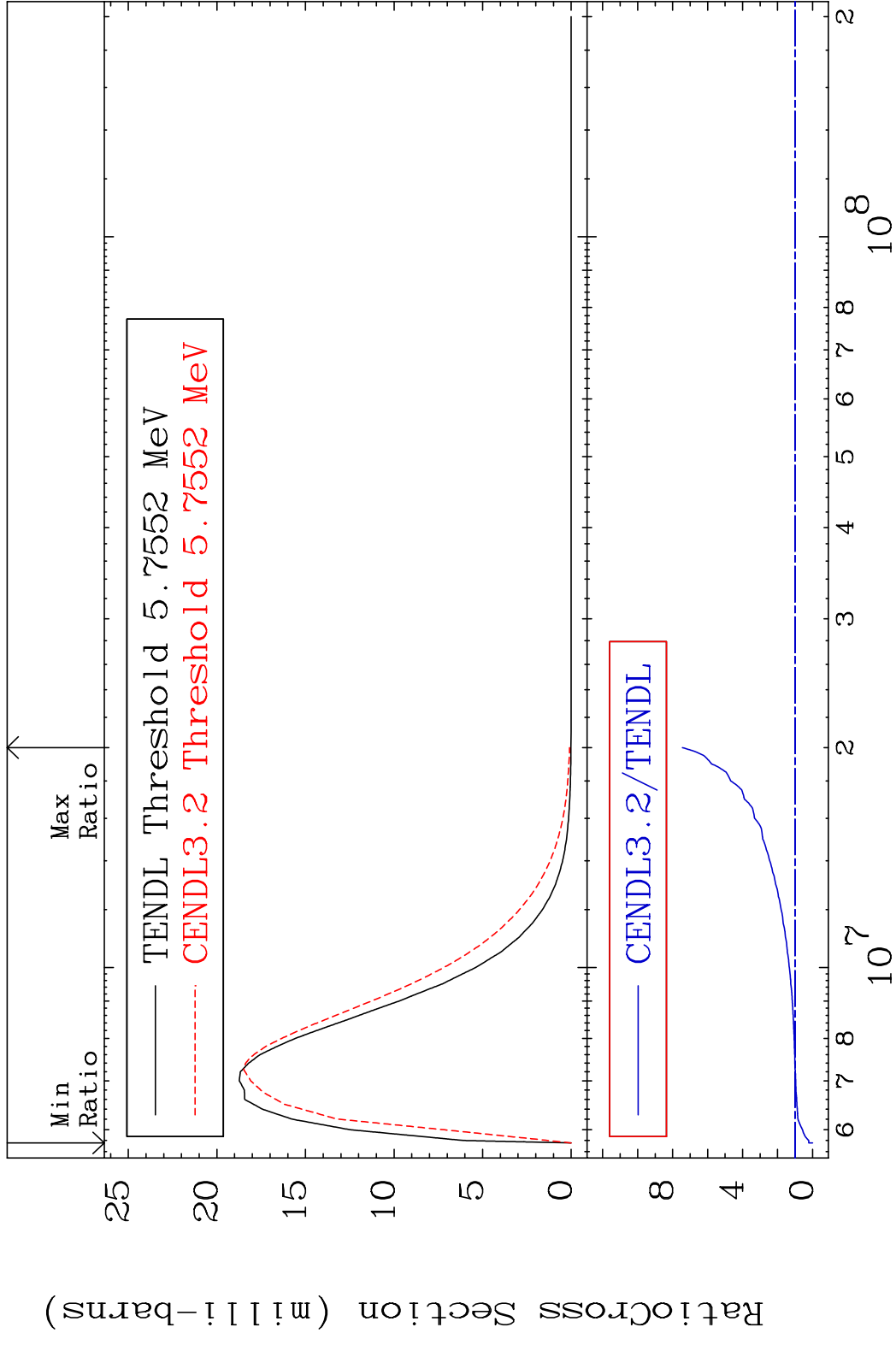


12 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 57 (n,n') Level 20-Ca-40
 Cross Section -35.42 To 143.8 %

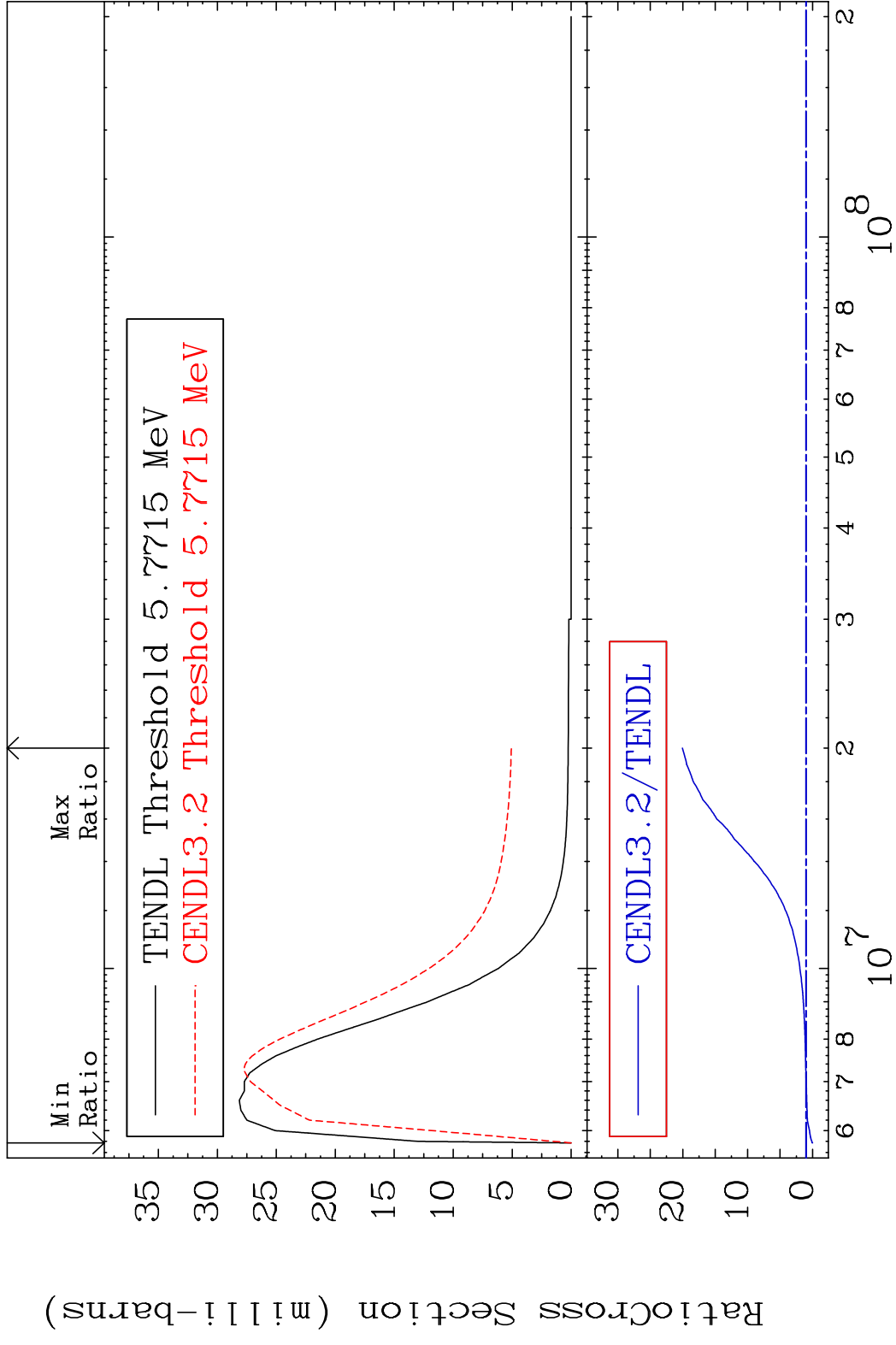


MAT 2025 MT= 58 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 644.4 %



14 20-Ca-40

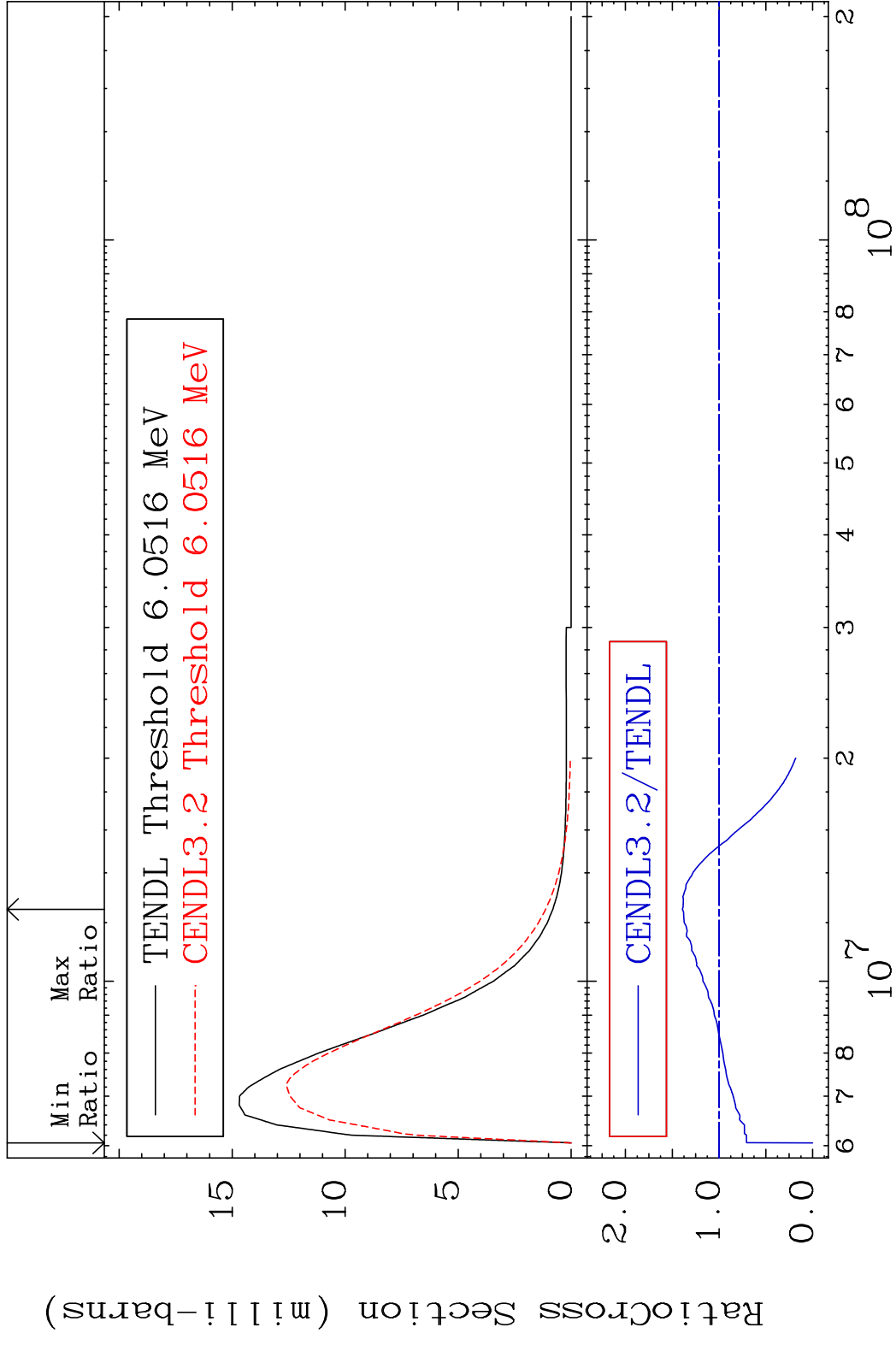
MAT 2025 MT= 59 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 1906. %



15

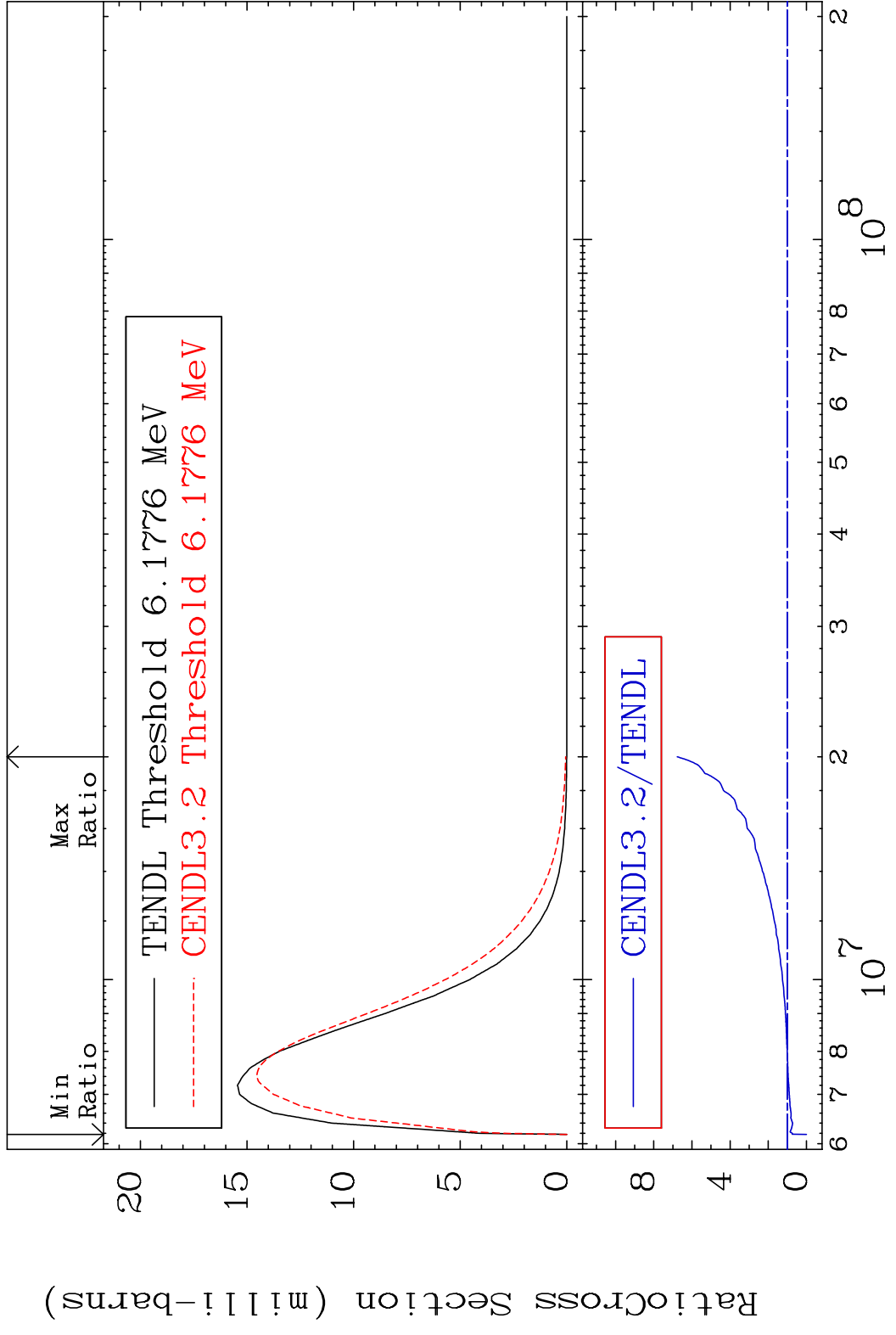
15 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 60 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 39.20 %

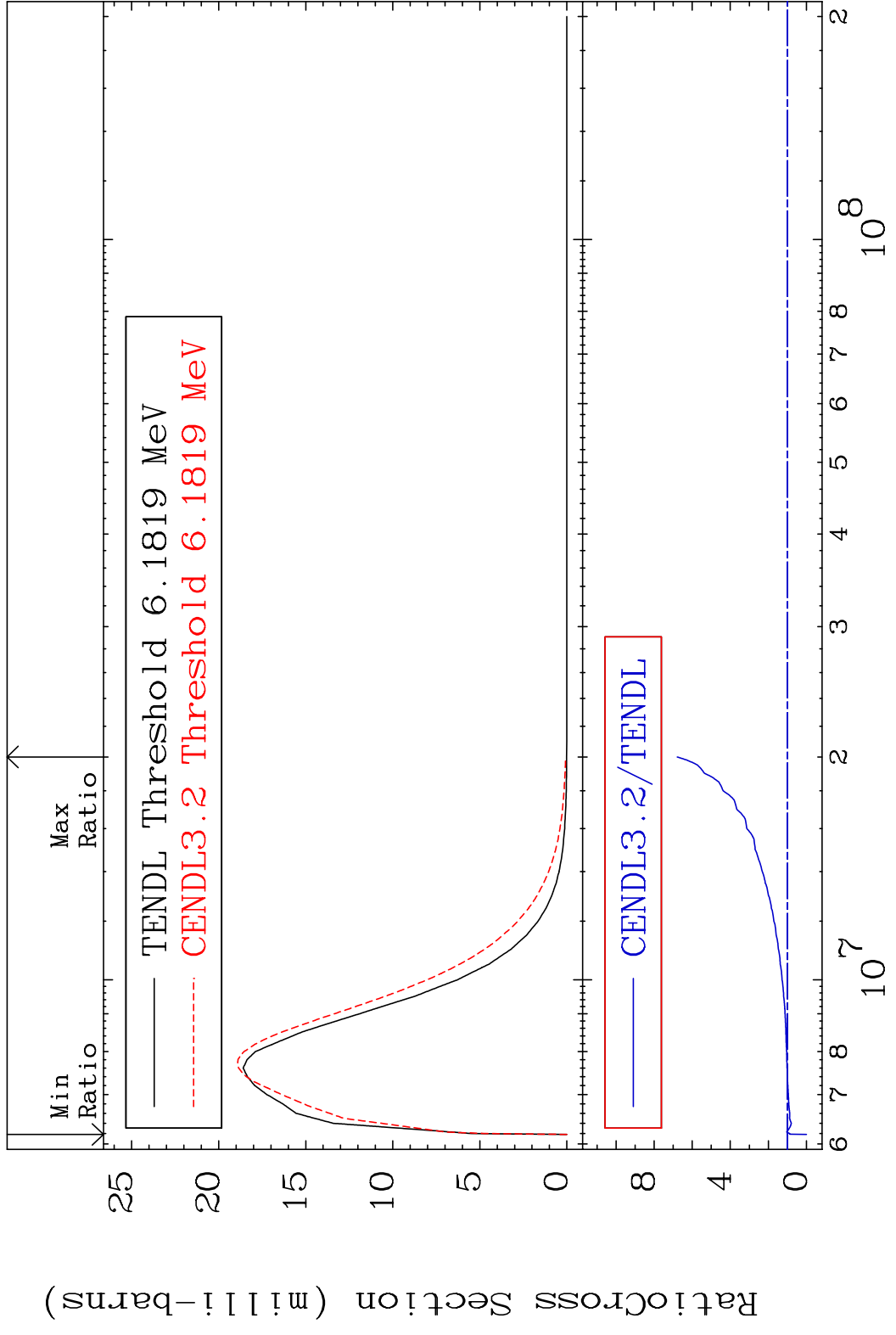


16 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 61 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 577.1 %



MAT 2025 MT= 62 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 578.9 %

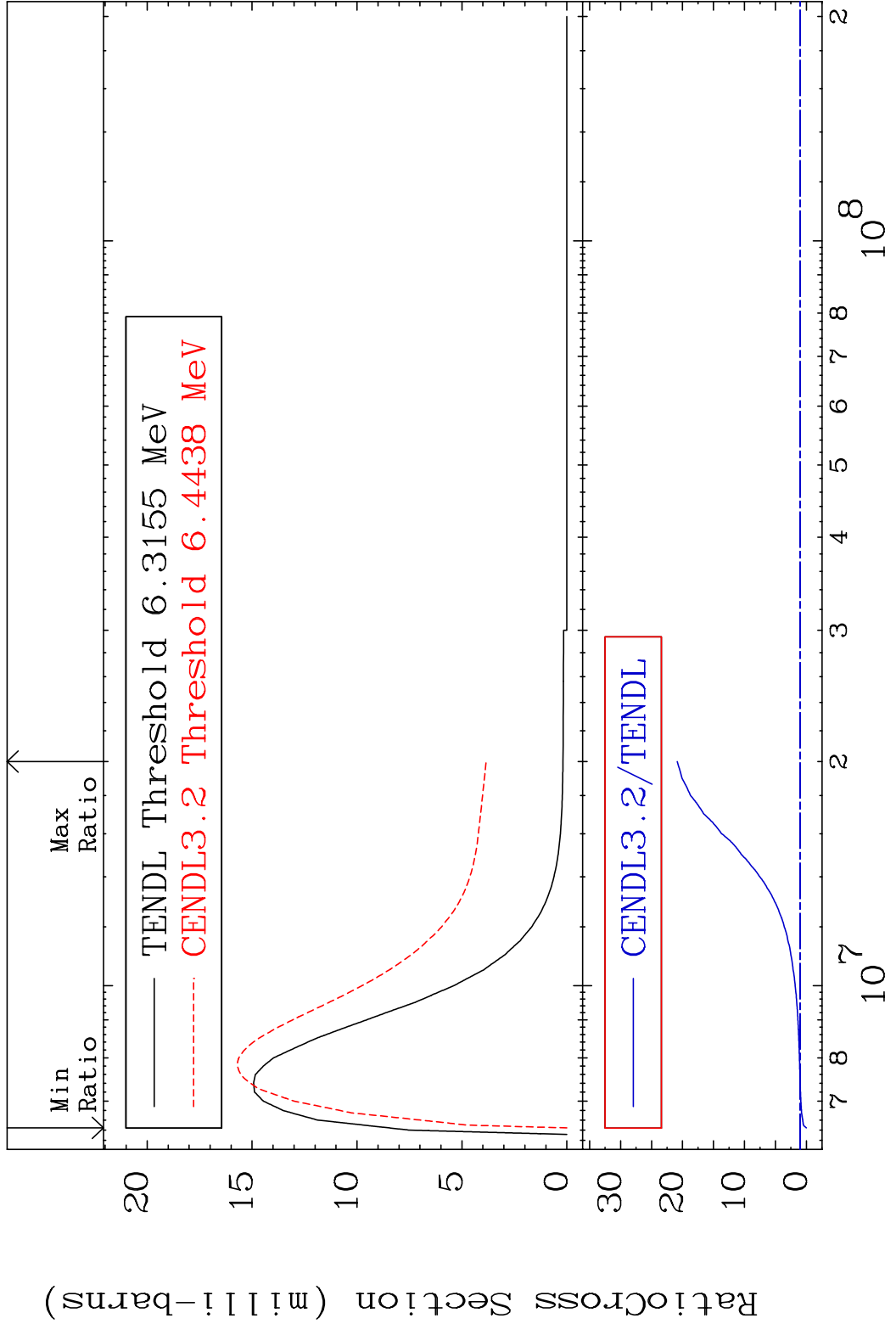


18

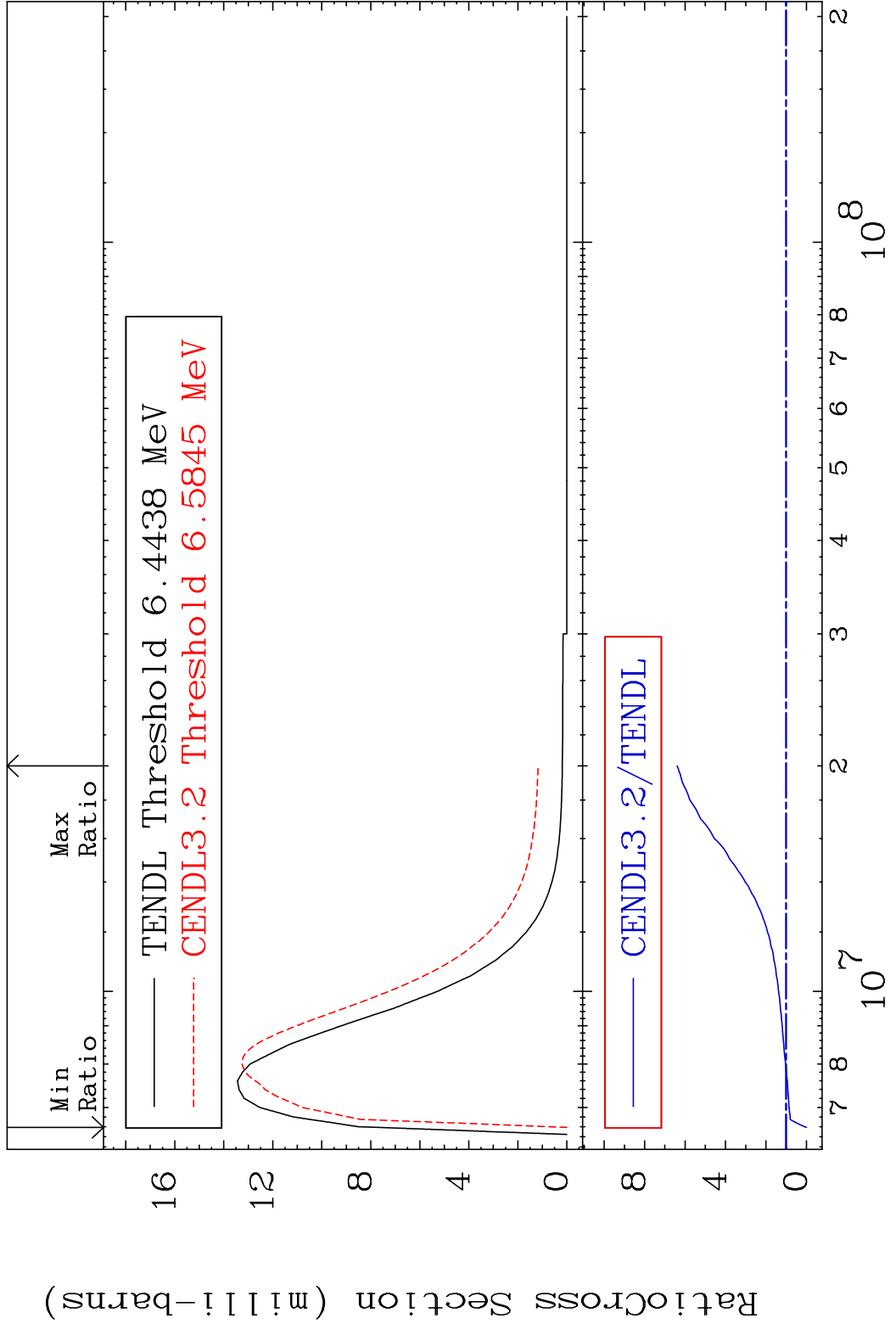
Incident Energy (eV)

20-Ca-40

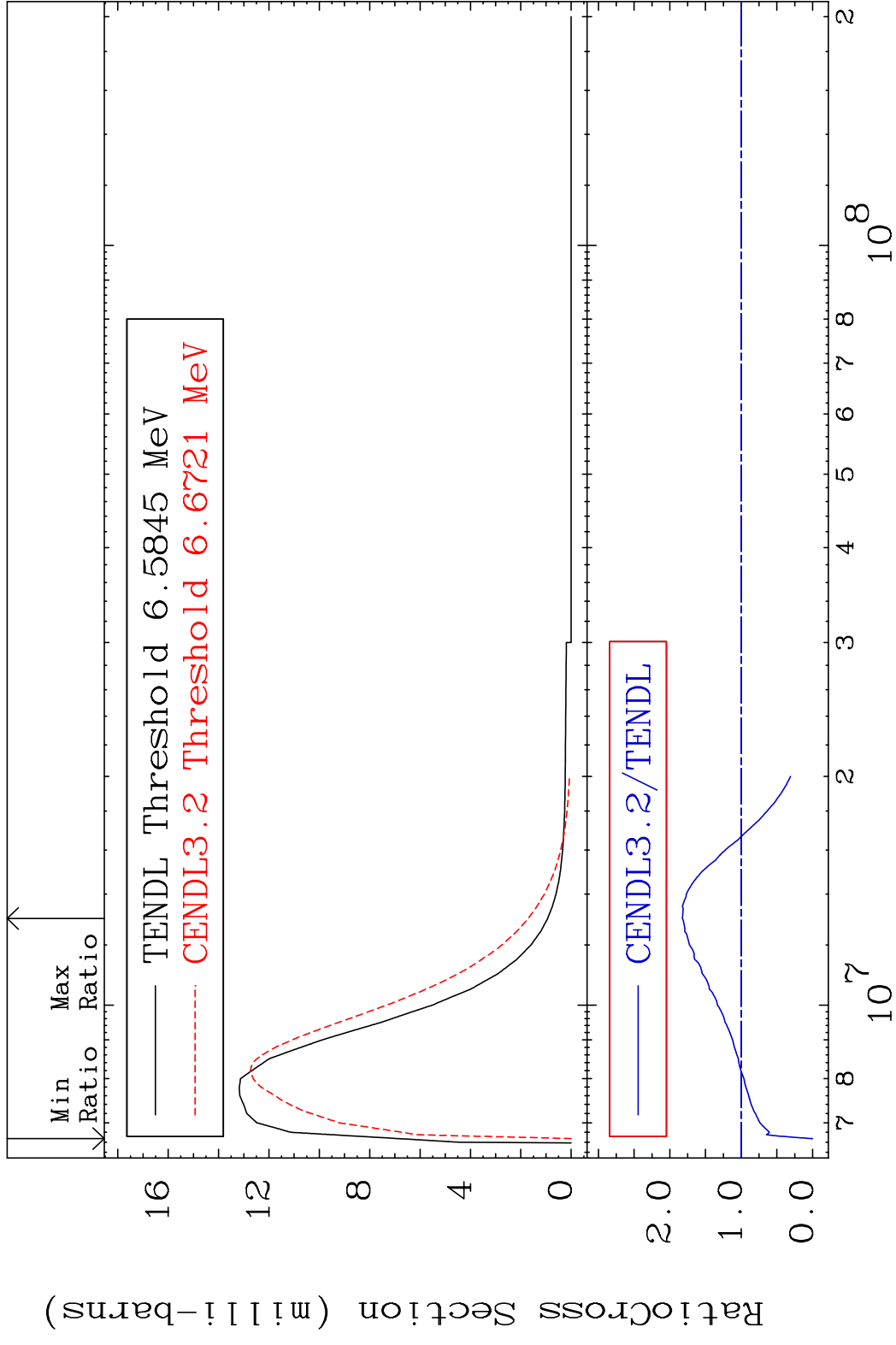
MAT 2025 MT= 63 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 1986. %



MAT 2025 MT= 64 (n, n') Level 20-Ca-40
 Cross Section -100.0 To 539.1 %

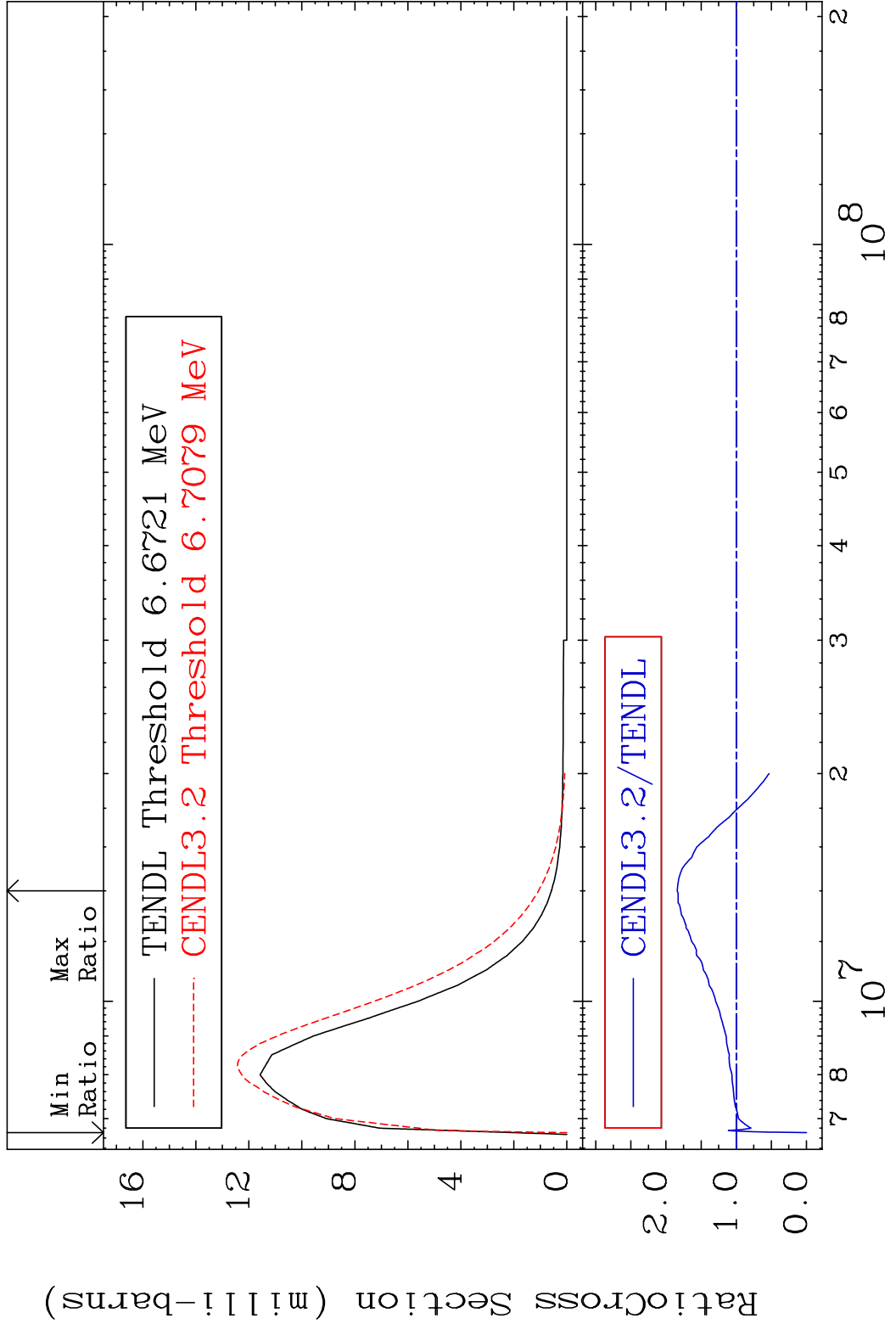


MAT 2025 MT= 65 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 82.41 %

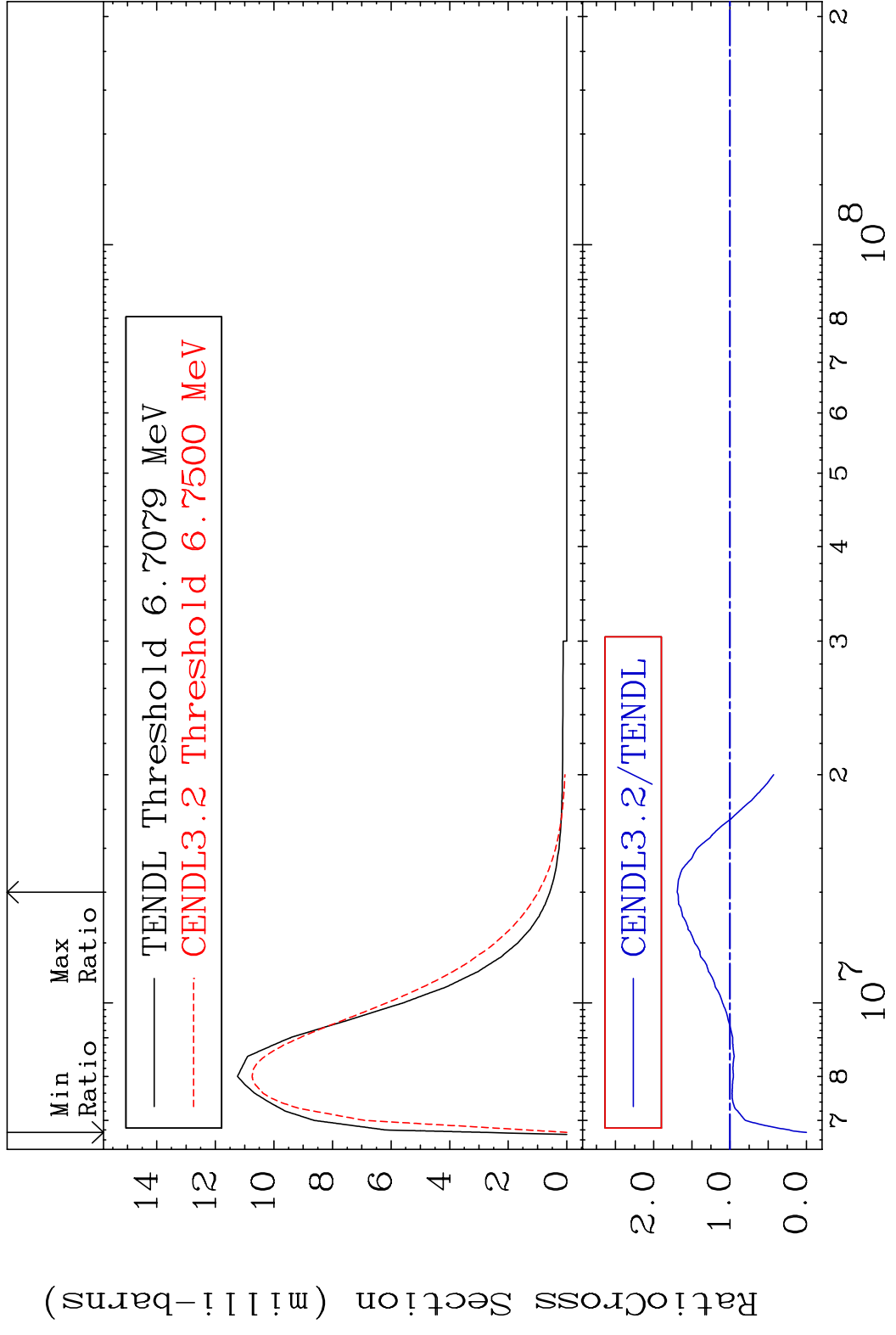


21 Incident Energy (eV) 20-Ca-40

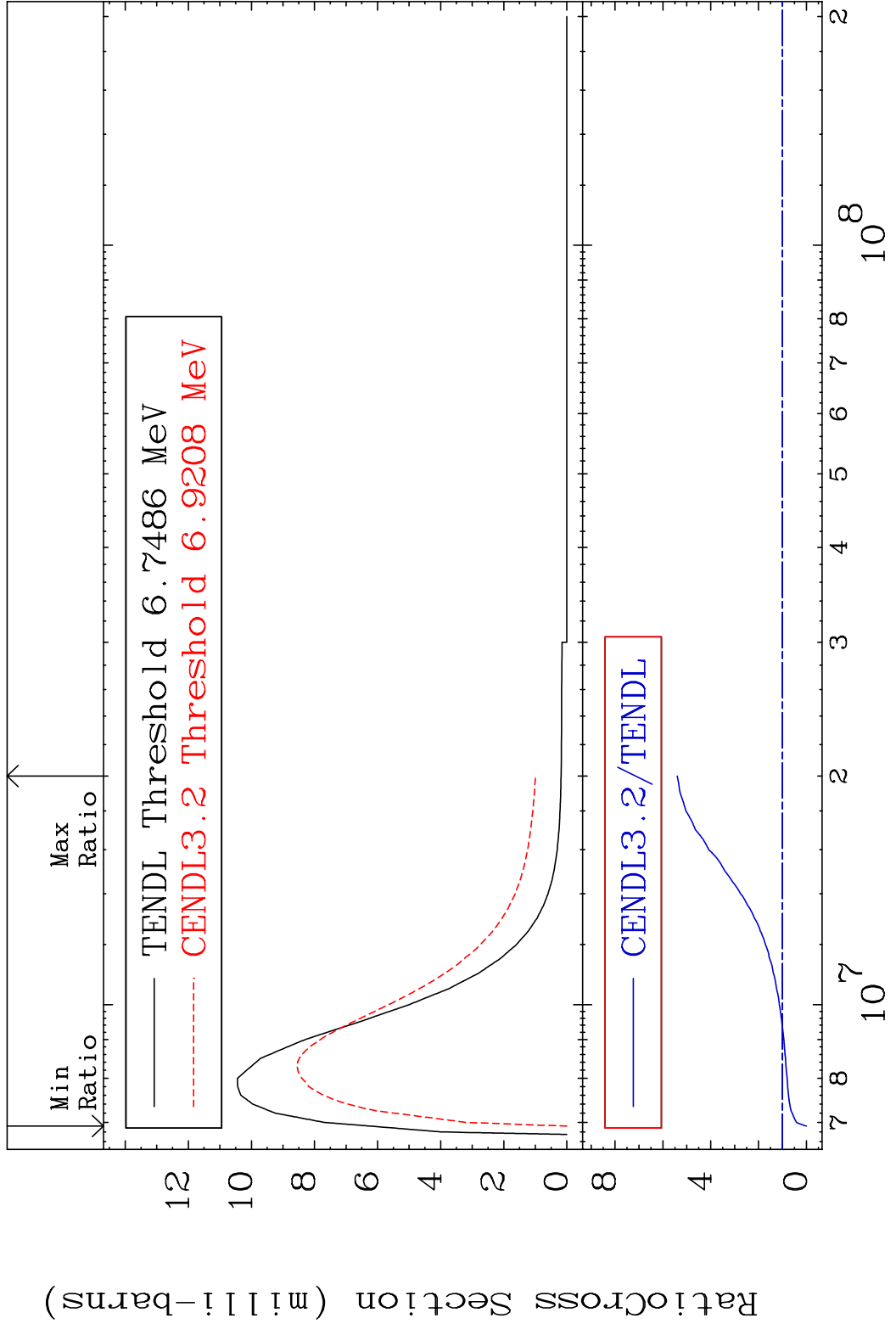
MAT 2025 MT= 66 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 84.07 %



MAT 2025 MT= 67 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 69.22 %

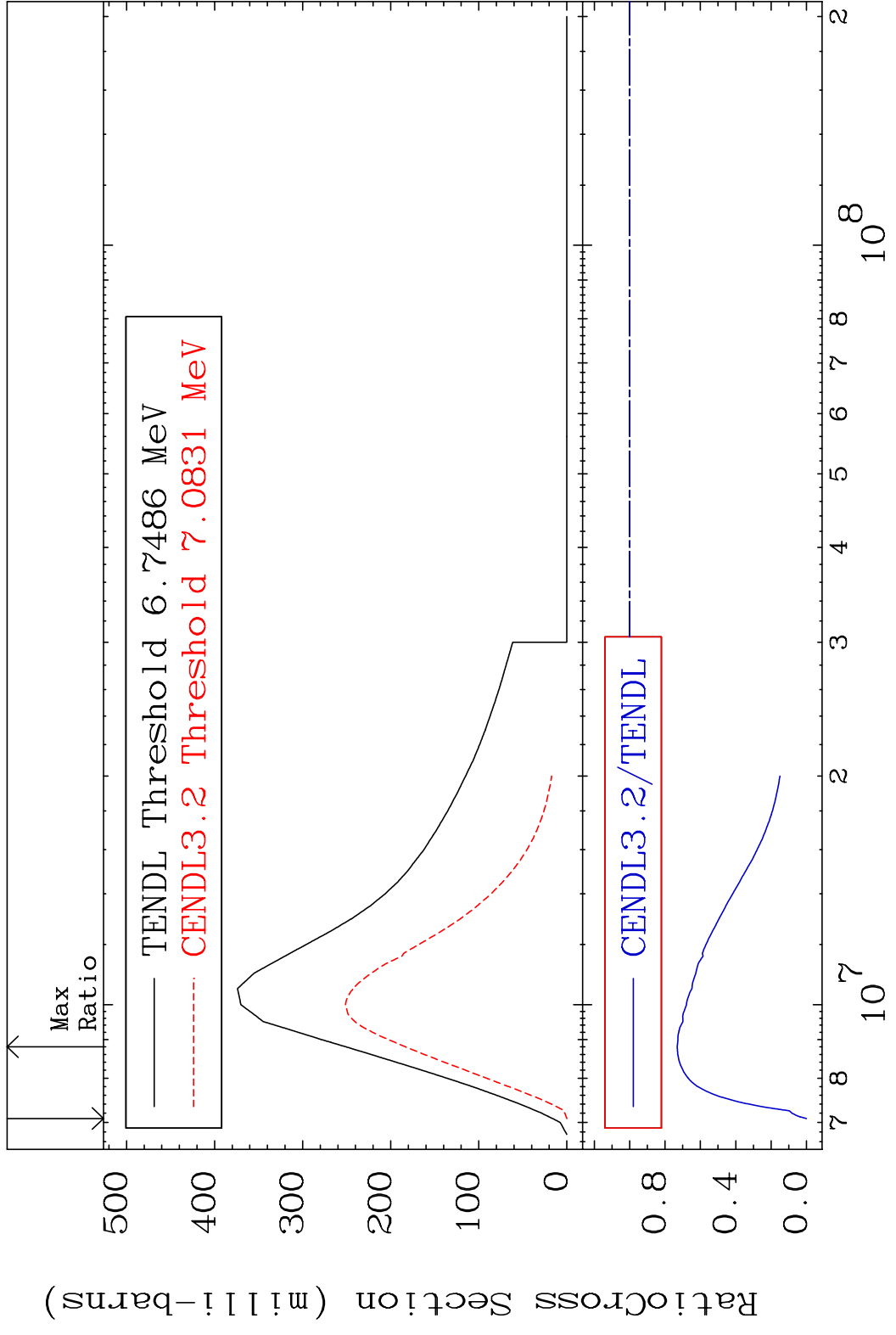


MAT 2025 MT= 68 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 440.3 %



24 Incident Energy (eV) 20-Ca-40

MAT 2025 (n,n') Continuum 20-Ca-40
 Cross Section -100.0 To -26.87%

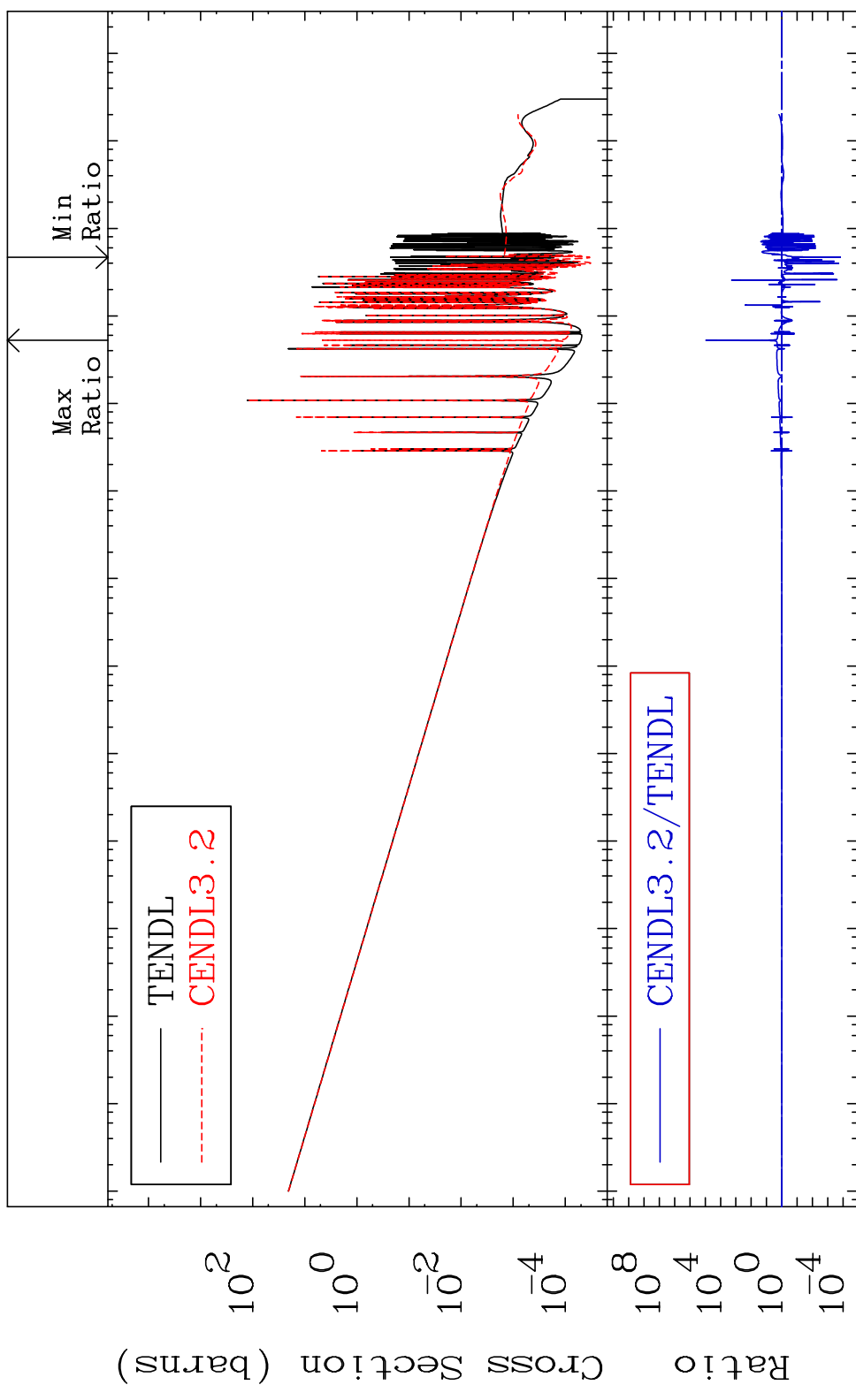


25 20-Ca-40

MAT 2025

(n, γ)

Cross Section -99.99 To 9999. % 20-Ca-40

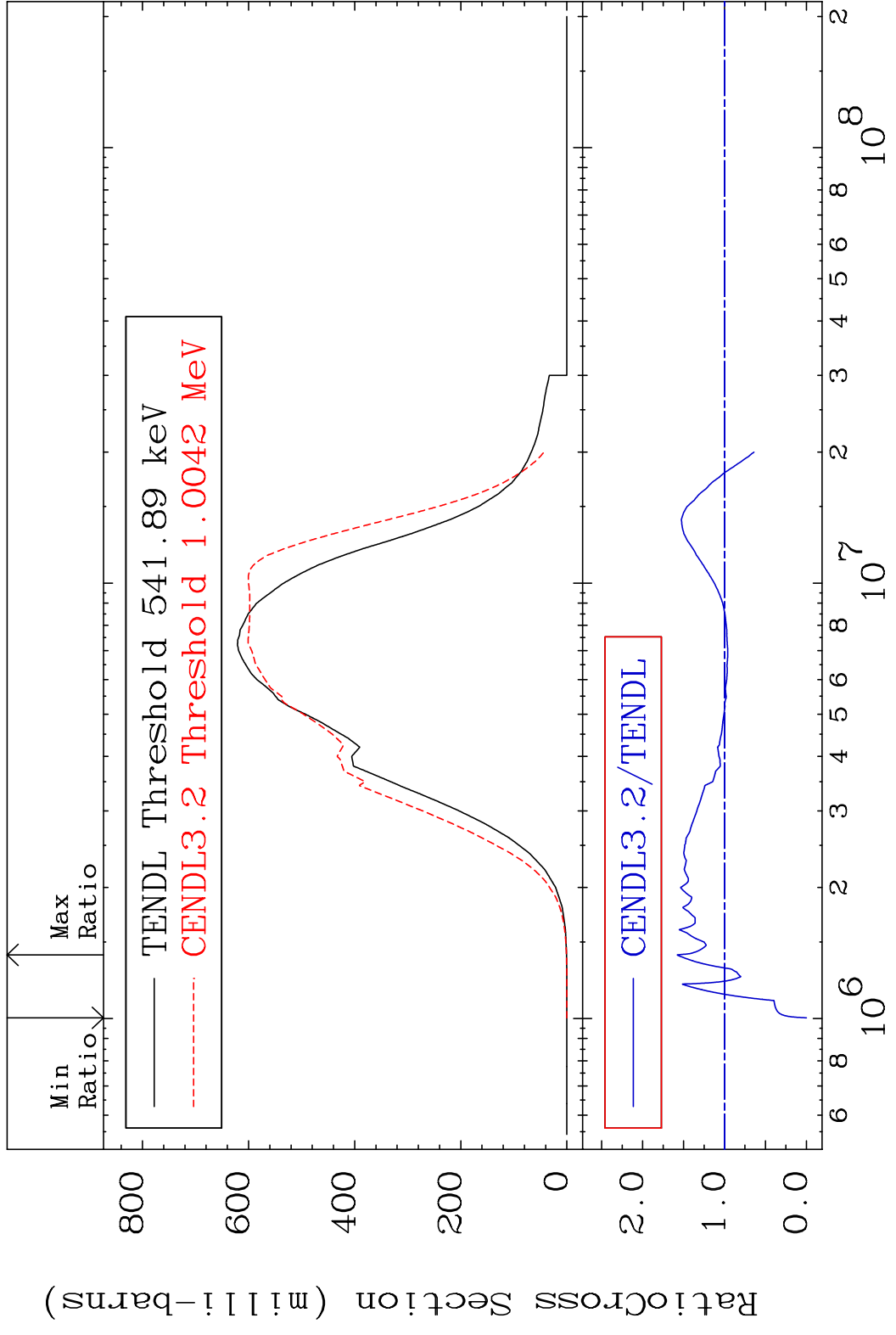


26

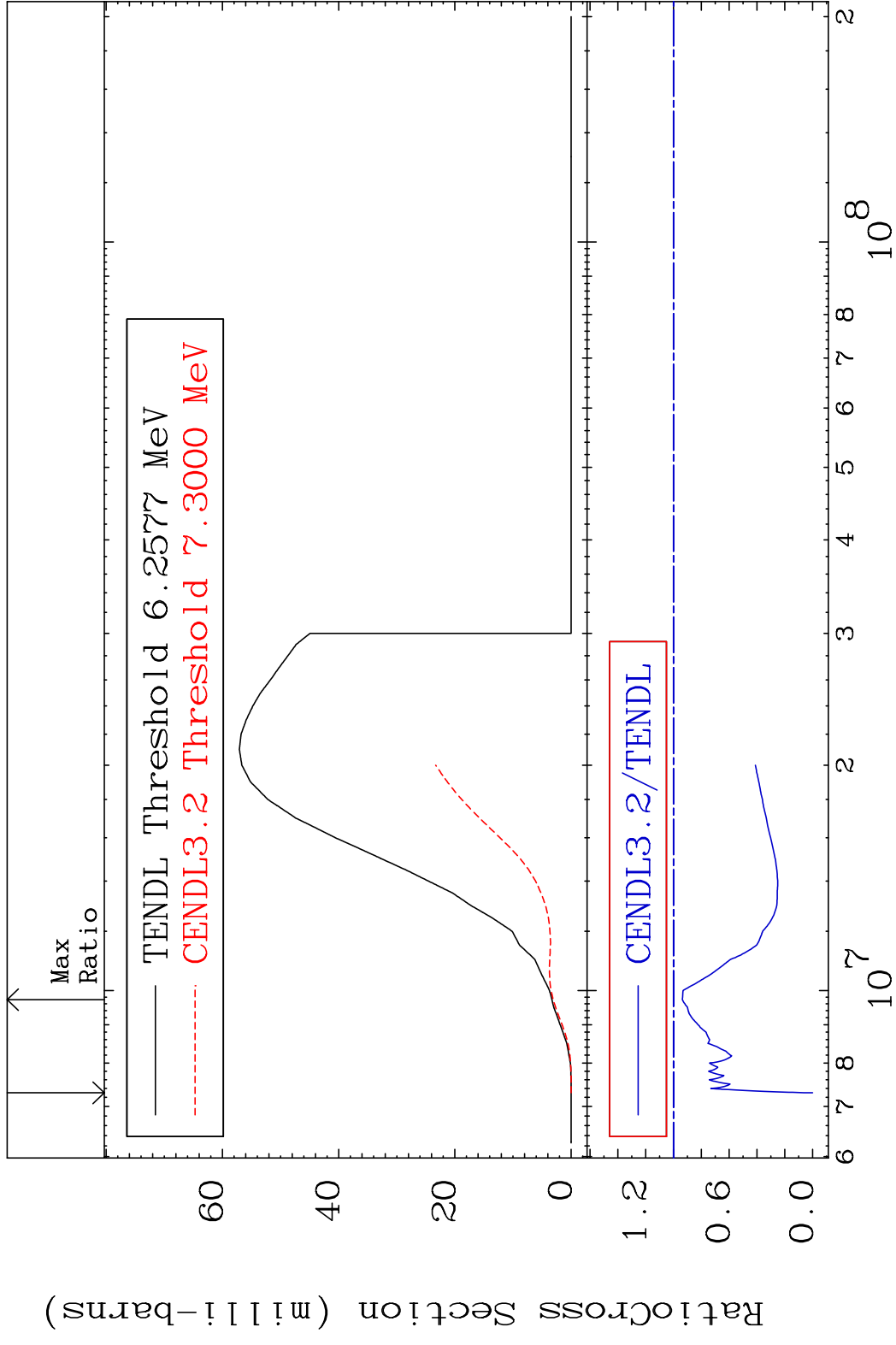
Incident Energy (eV)

20-Ca-40

MAT 2025 (n,p) 20-Ca-40
 Cross Section -100.0 To 57.84 %



MAT 2025 (n,d) 20-Ca-40
 Cross Section -100.0 To -6.419%

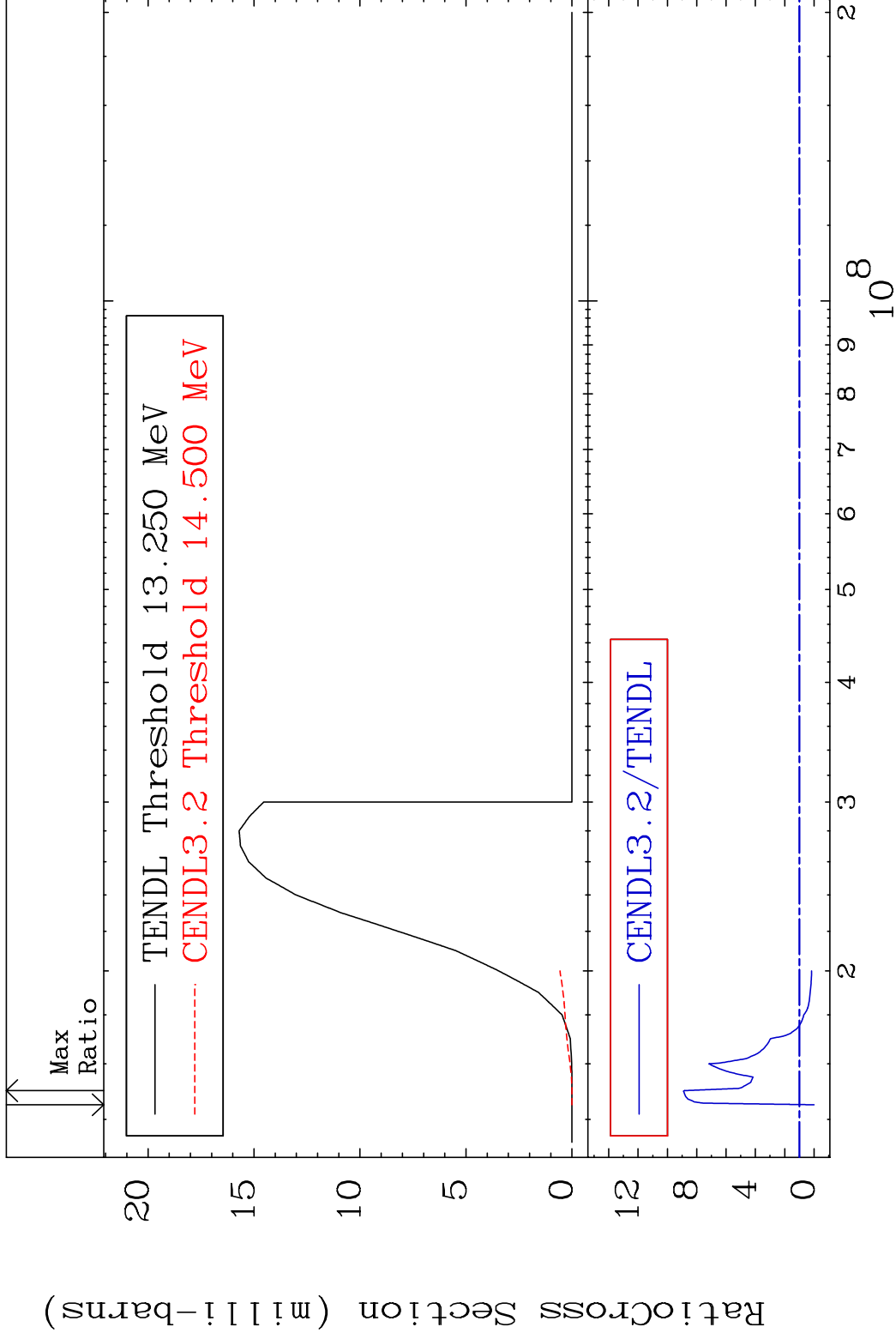


MAT 2025

(n, t)

20-Ca-40

Cross Section -100.0 To 790.6 %



29

Incident Energy (eV)

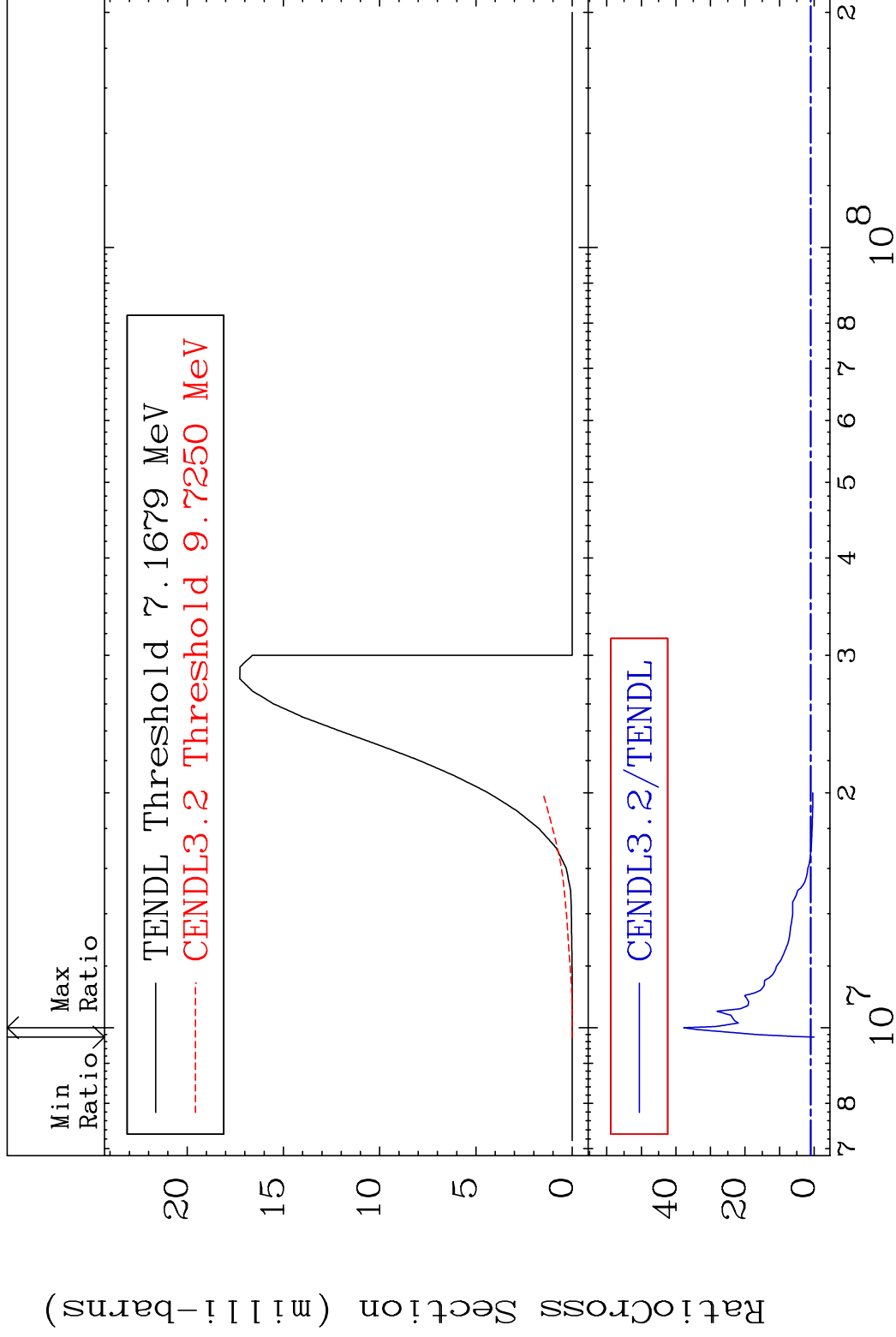
20-Ca-40

MAT 2025

(n, He-3)

20-Ca-40

Cross Section -100.0 To 3675. %



30

Incident Energy (eV)

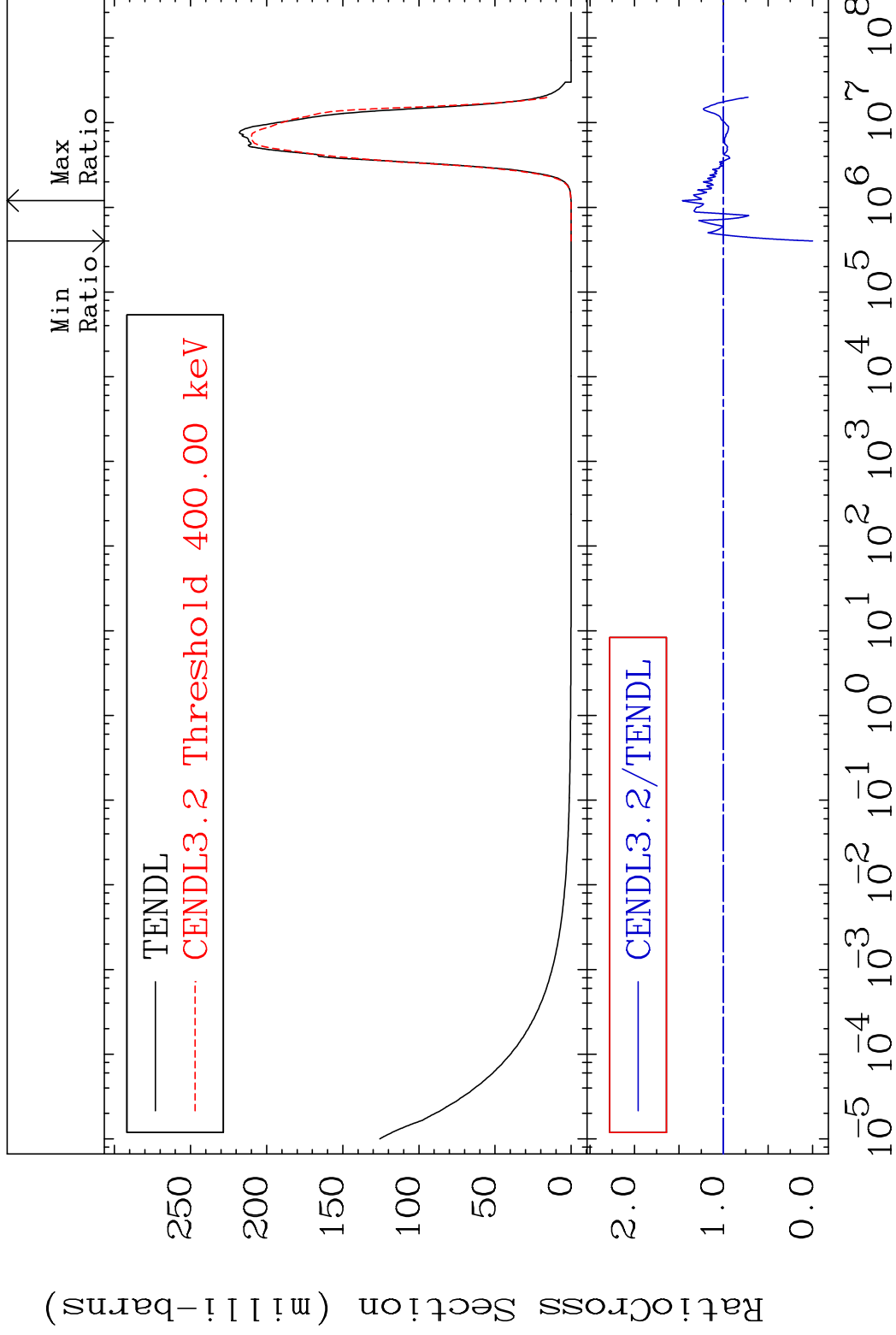
20-Ca-40

MAT 2025

(n, α)

20-Ca-40

Cross Section -100.0 To 46.22 %

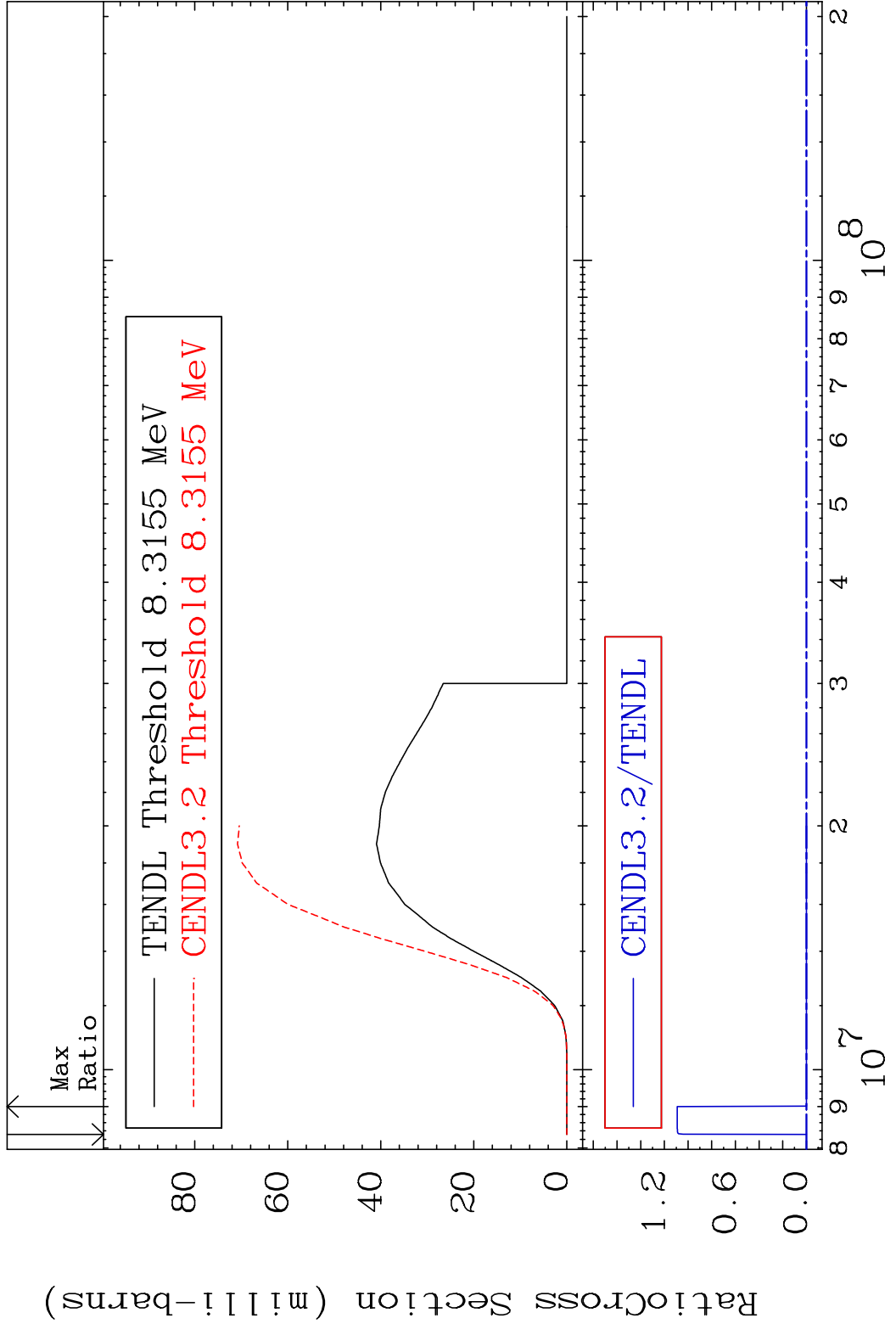


31

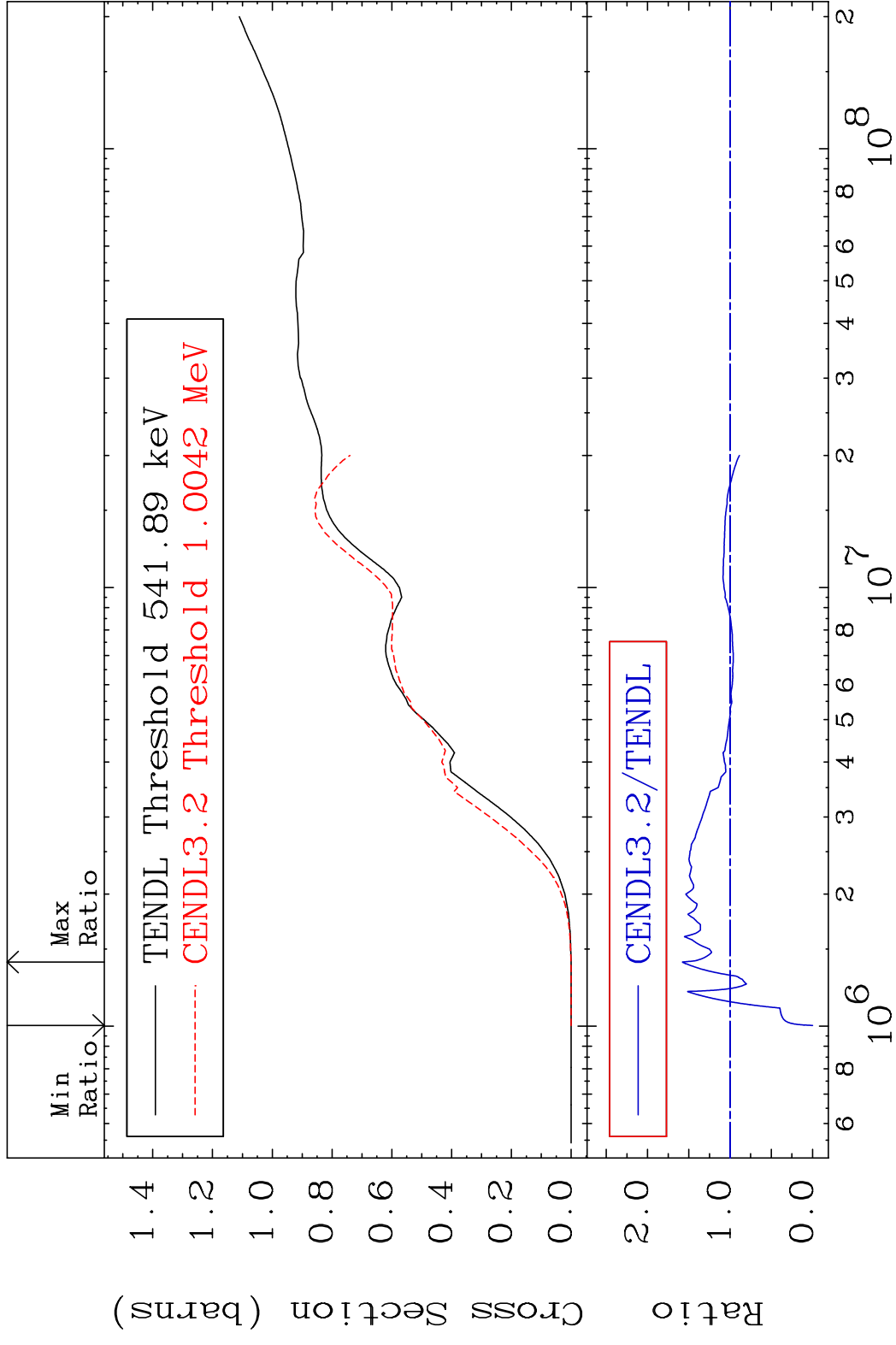
Incident Energy (eV)

20-Ca-40

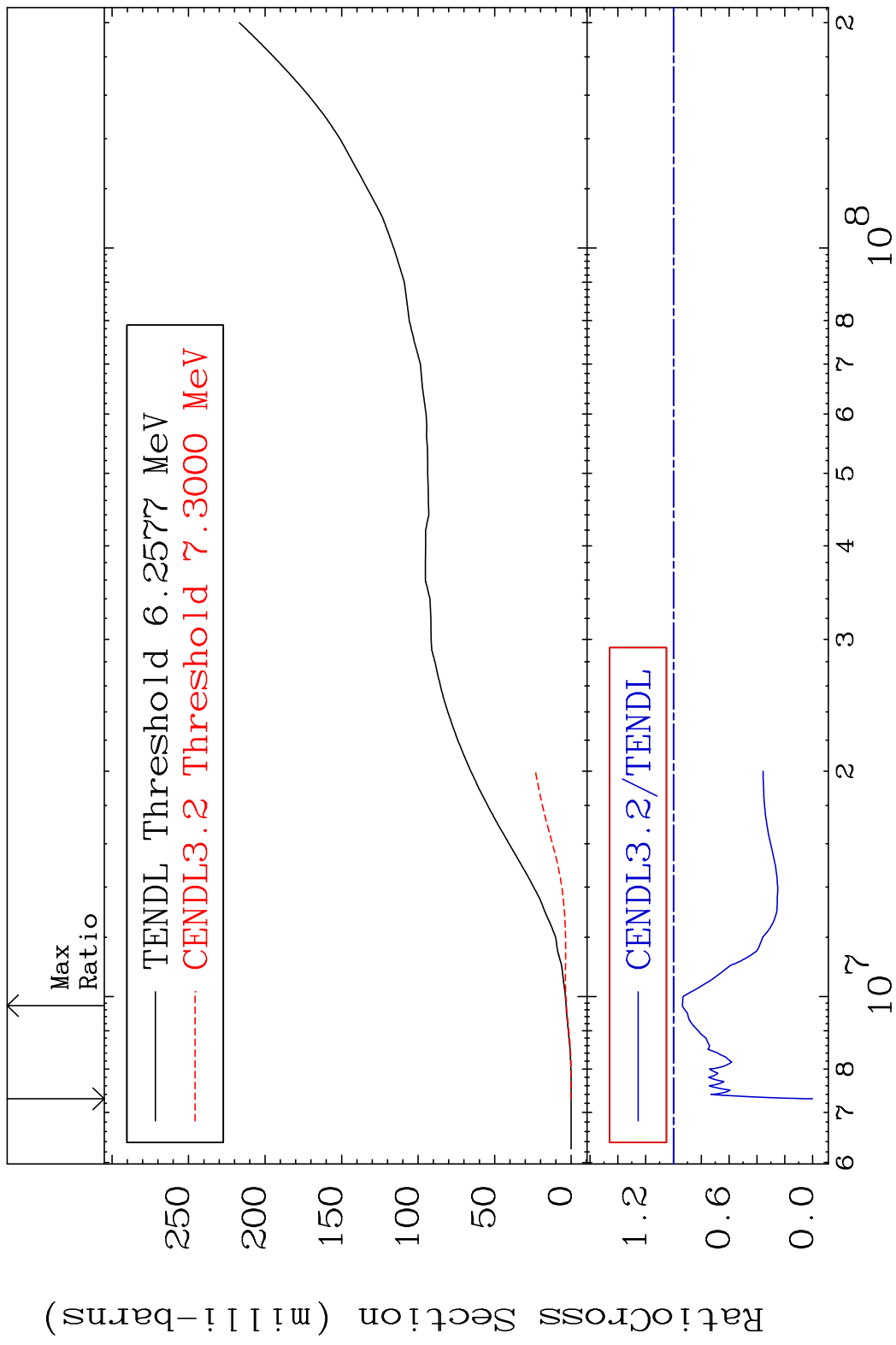
MAT 2025 (n,2p) 20-Ca-40
 Cross Section -100.0 To 9999. %

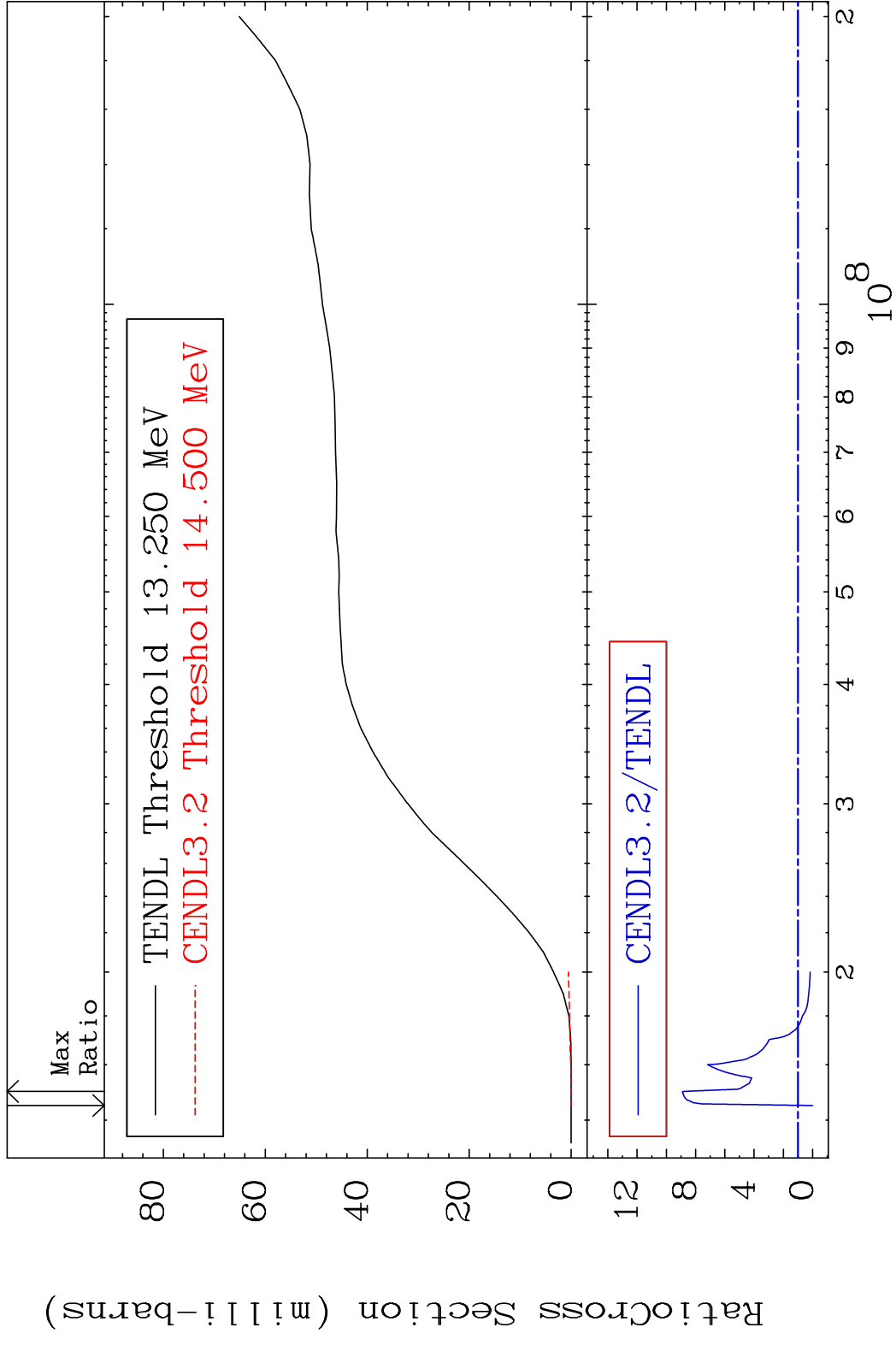


MAT 2025 Hydrogen Production 20-Ca-40
 Cross Section -100.0 To 57.84 %

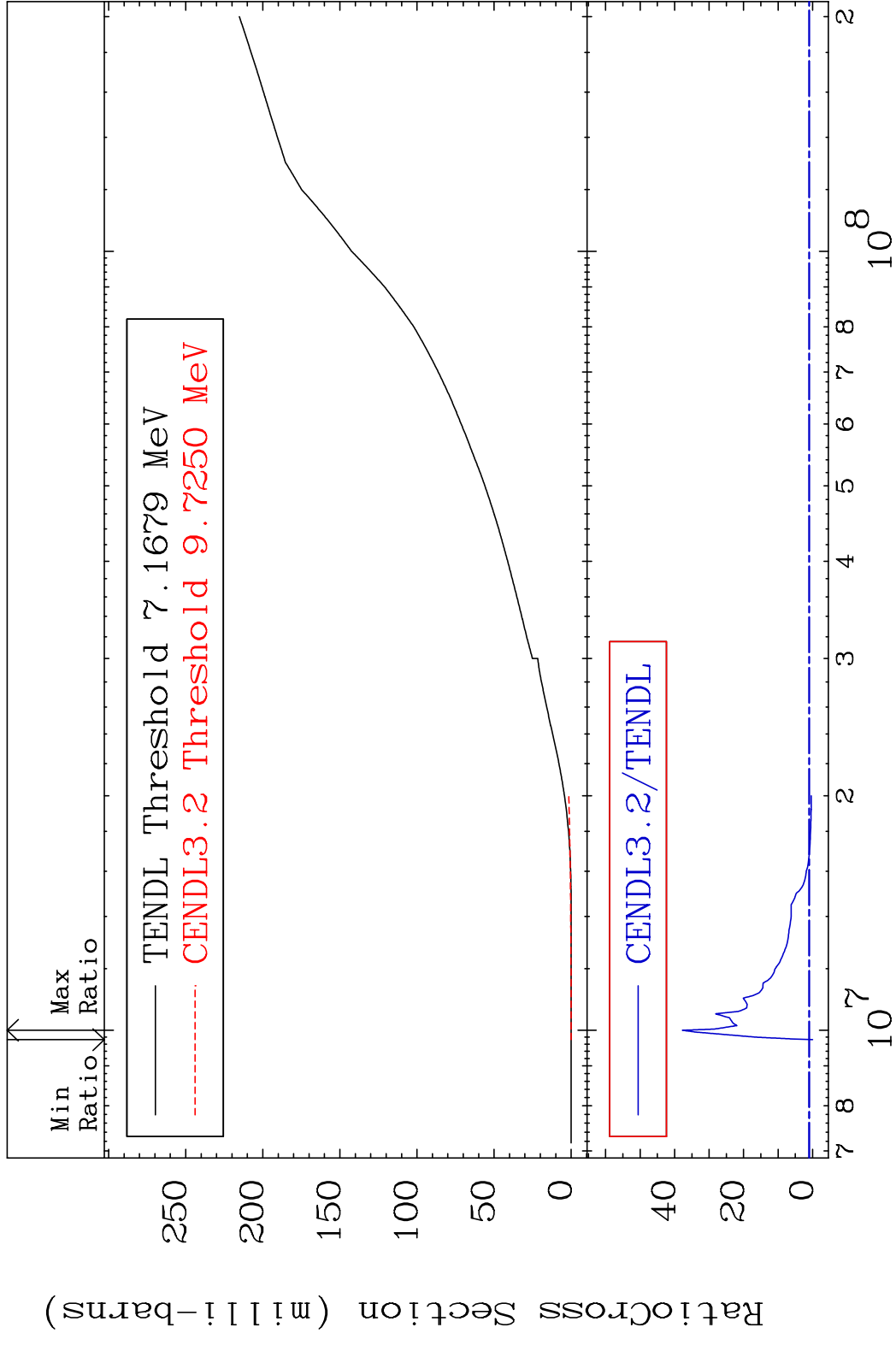


MAT 2025 Deuterium Production 20-Ca-40
 Cross Section -100.0 To -6.419%





MAT 2025 He-3 Production 20-Ca-40
 Cross Section -100.0 To 3675. %



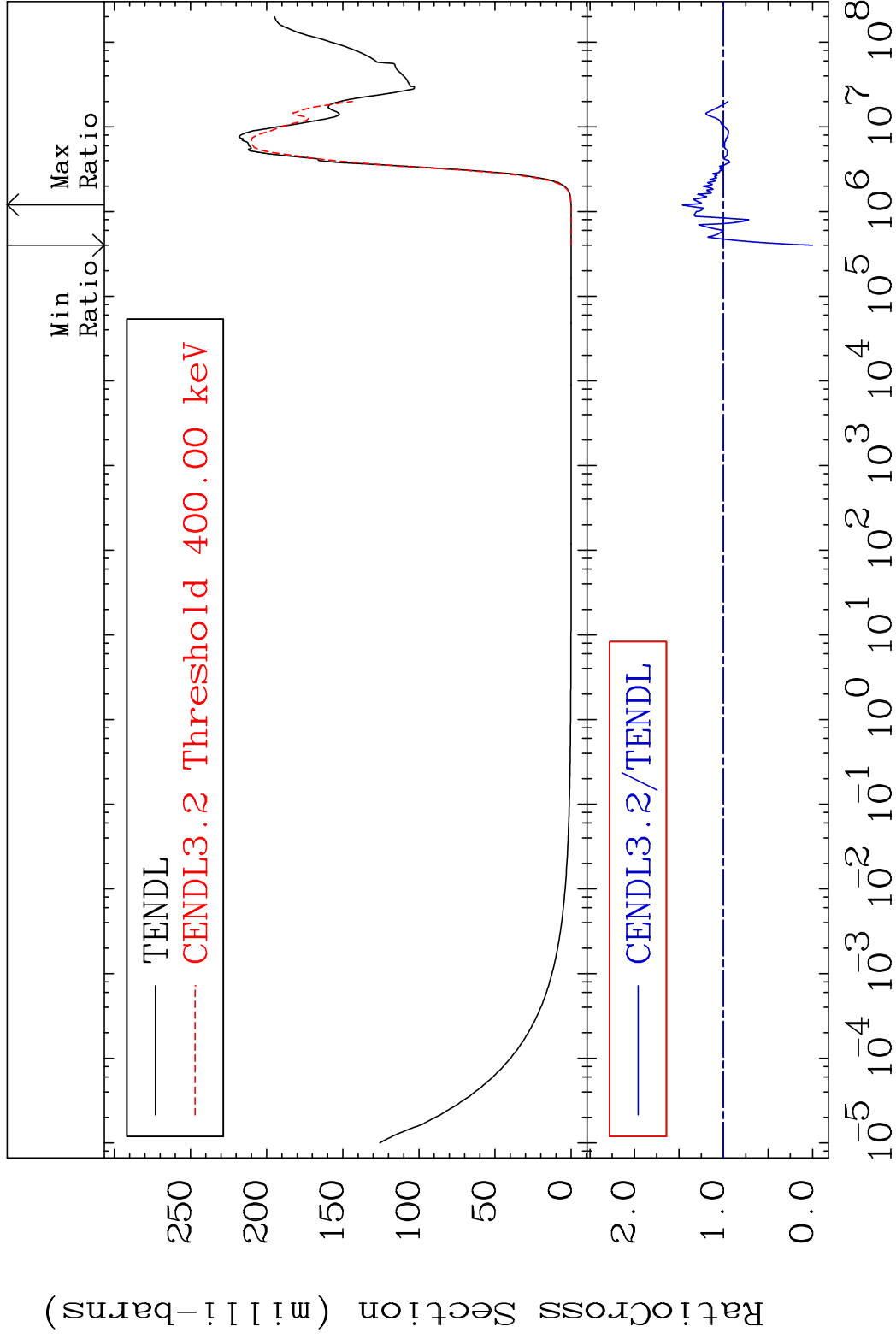
36 20-Ca-40

MAT 2025

He-4 Production

20-Ca-40

Cross Section -100.0 To 46.22 %

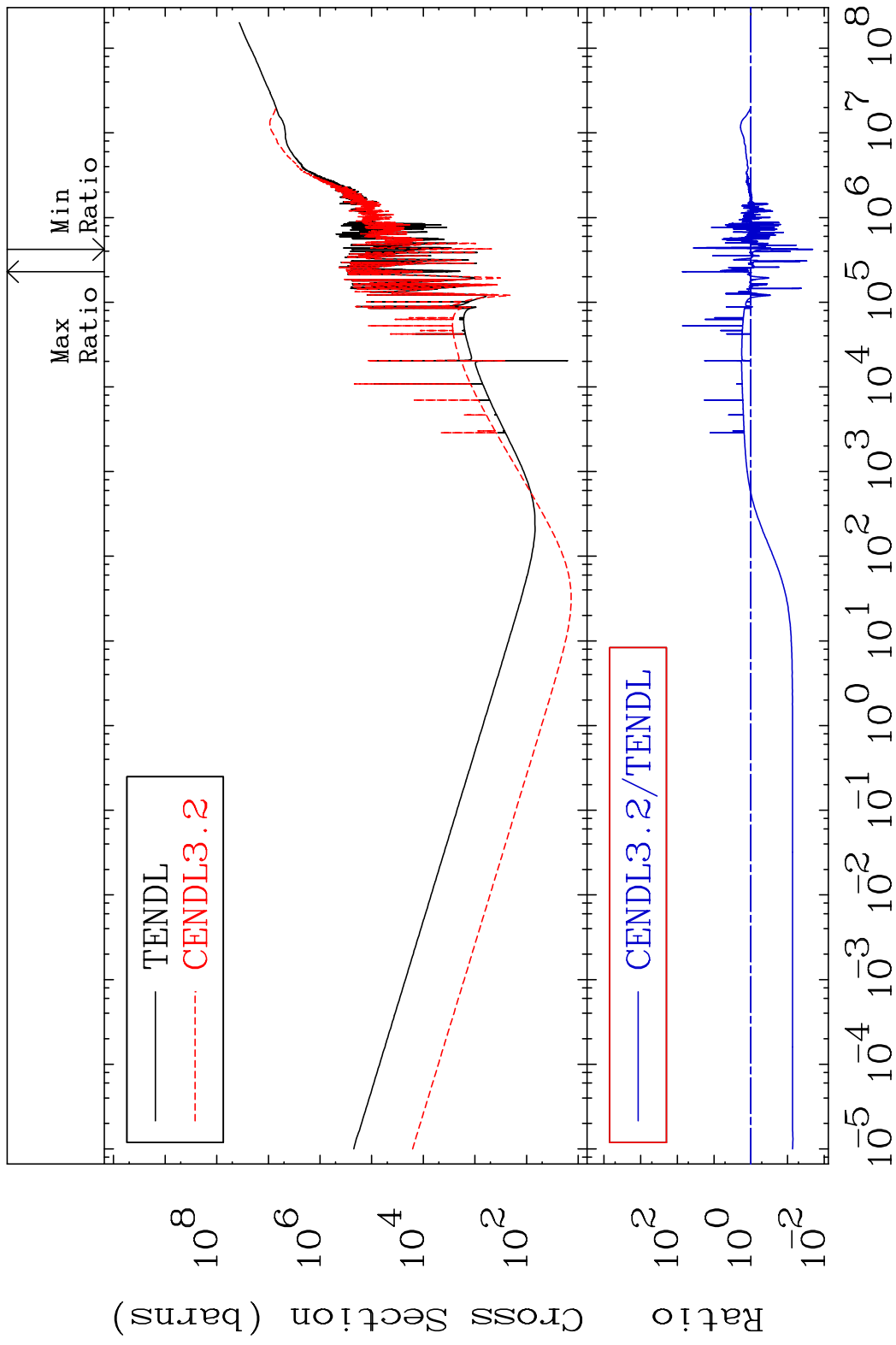


37

Incident Energy (eV)

20-Ca-40

MAT 2025 Kerma total (eV-barns) 20-Ca-40
 Cross Section -97.93 To 7215. %

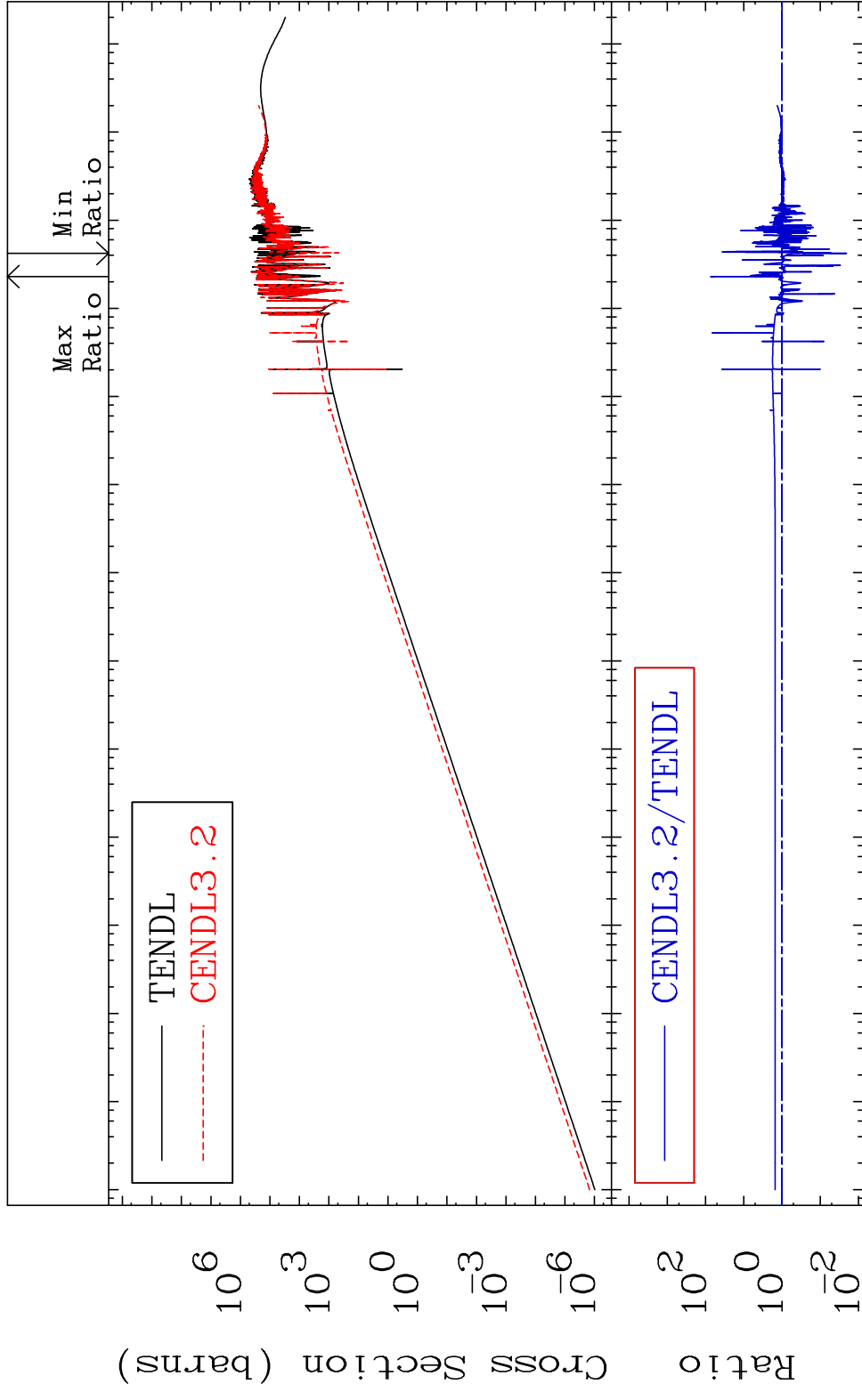


38 Incident Energy (eV) 20-Ca-40

MAT 2025

Kerma elastic
Cross Section

20-Ca-40
-97.93 To 7217. %

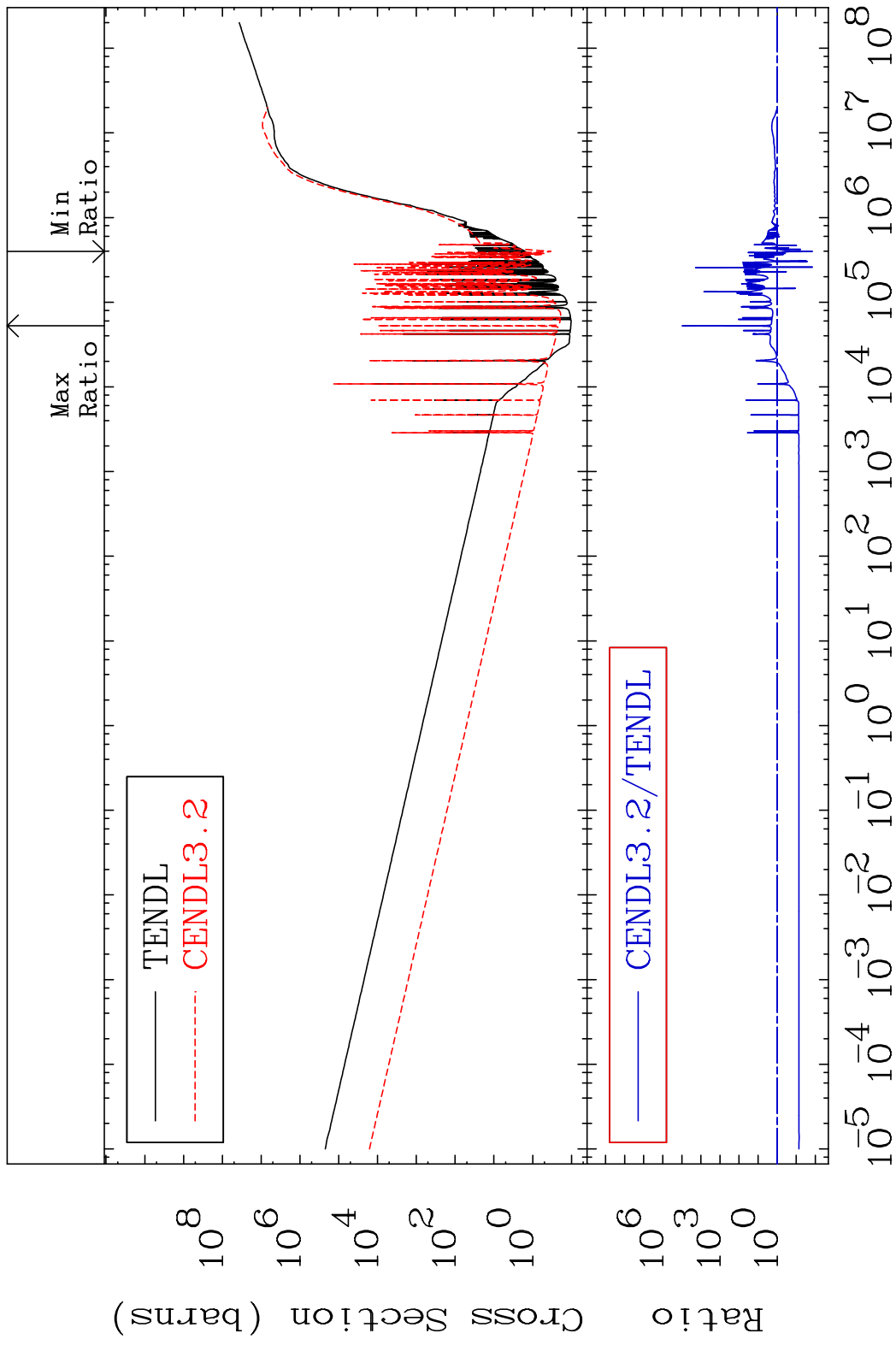


39

Incident Energy (eV)

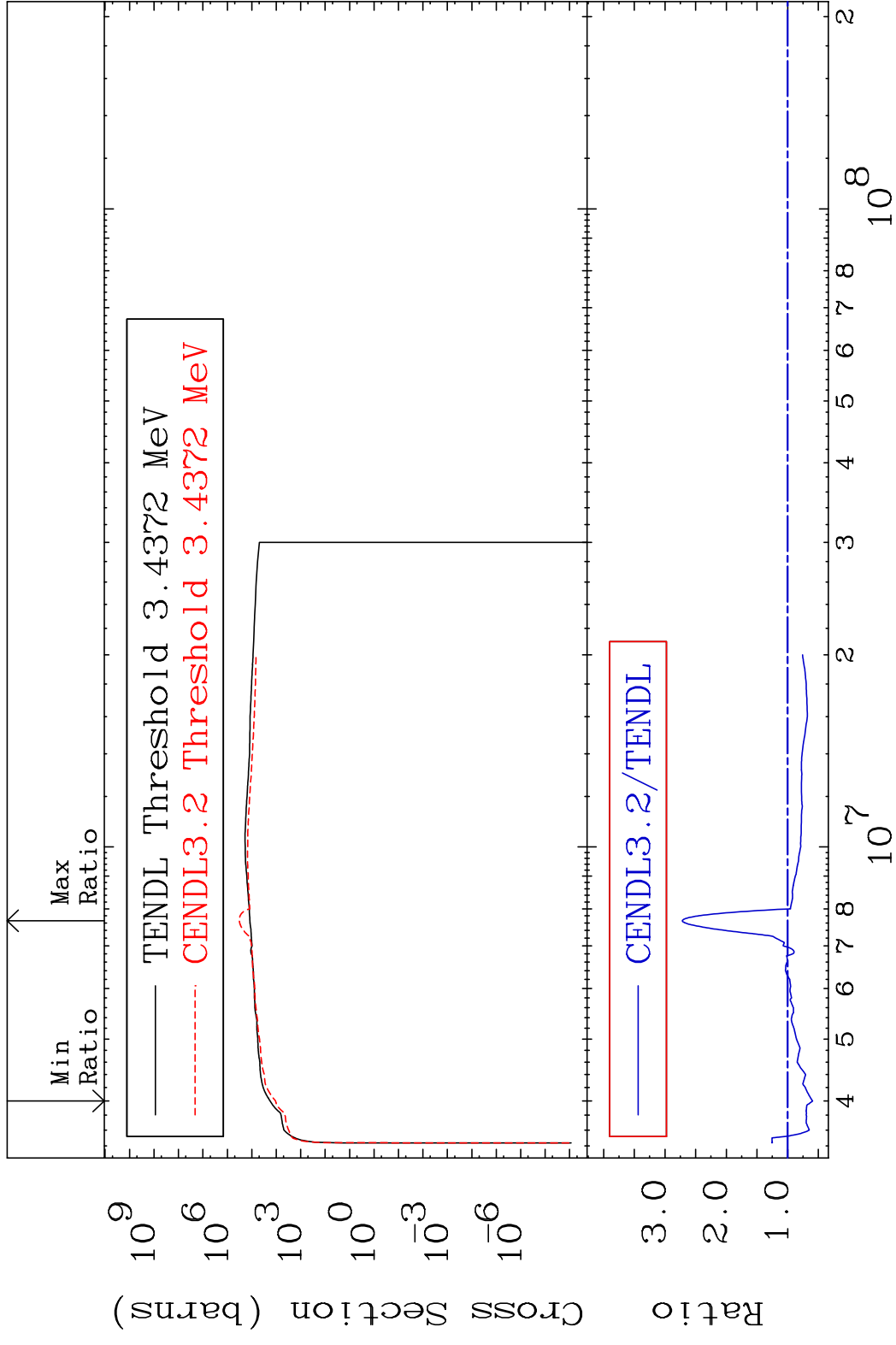
20-Ca-40

MAT 2025 Kerma non-elastic (all but mt2) 20-Ca-40
 Cross Section -98.60 To 9999. %

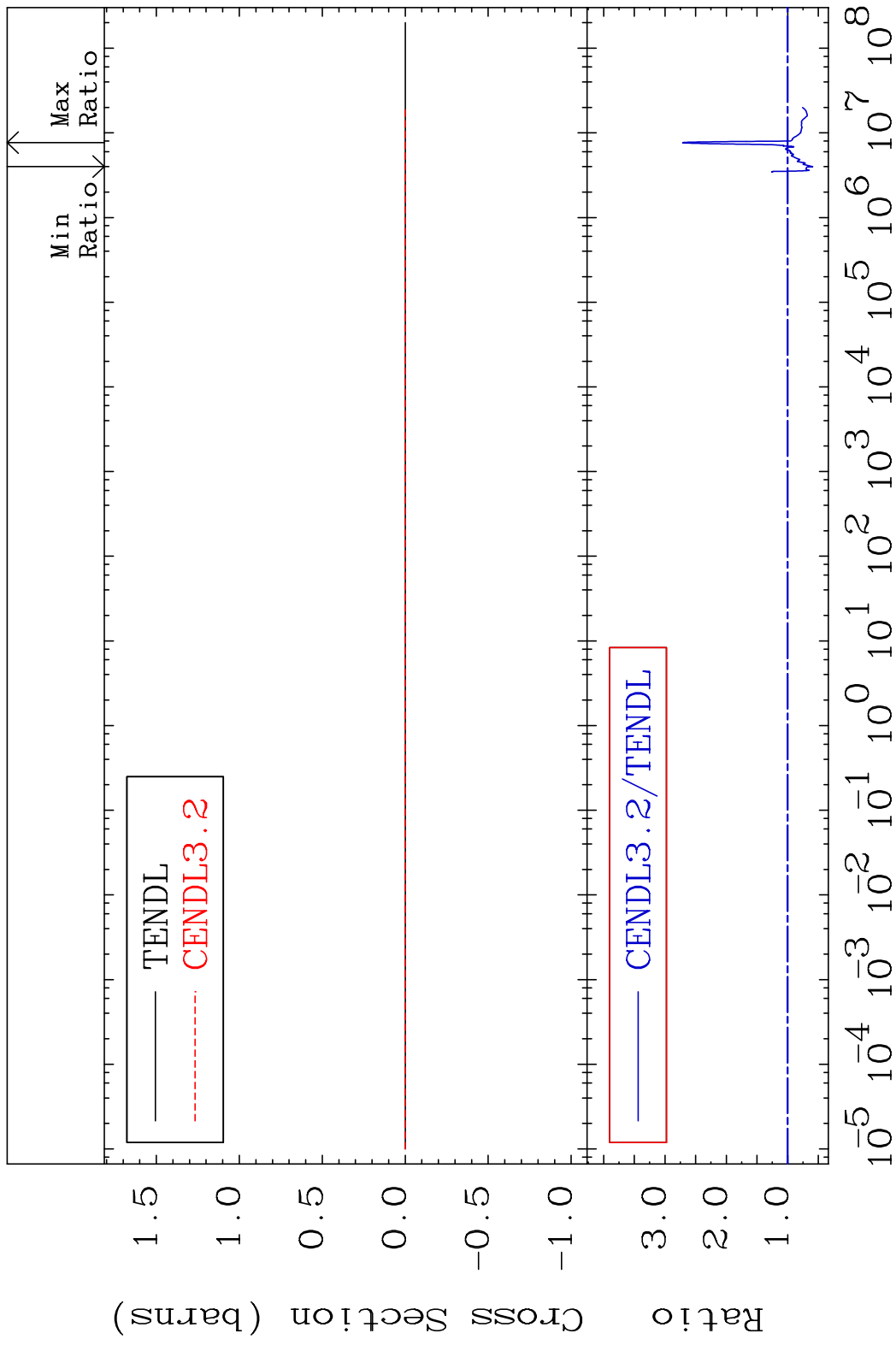


40 Incident Energy (eV) 20-Ca-40

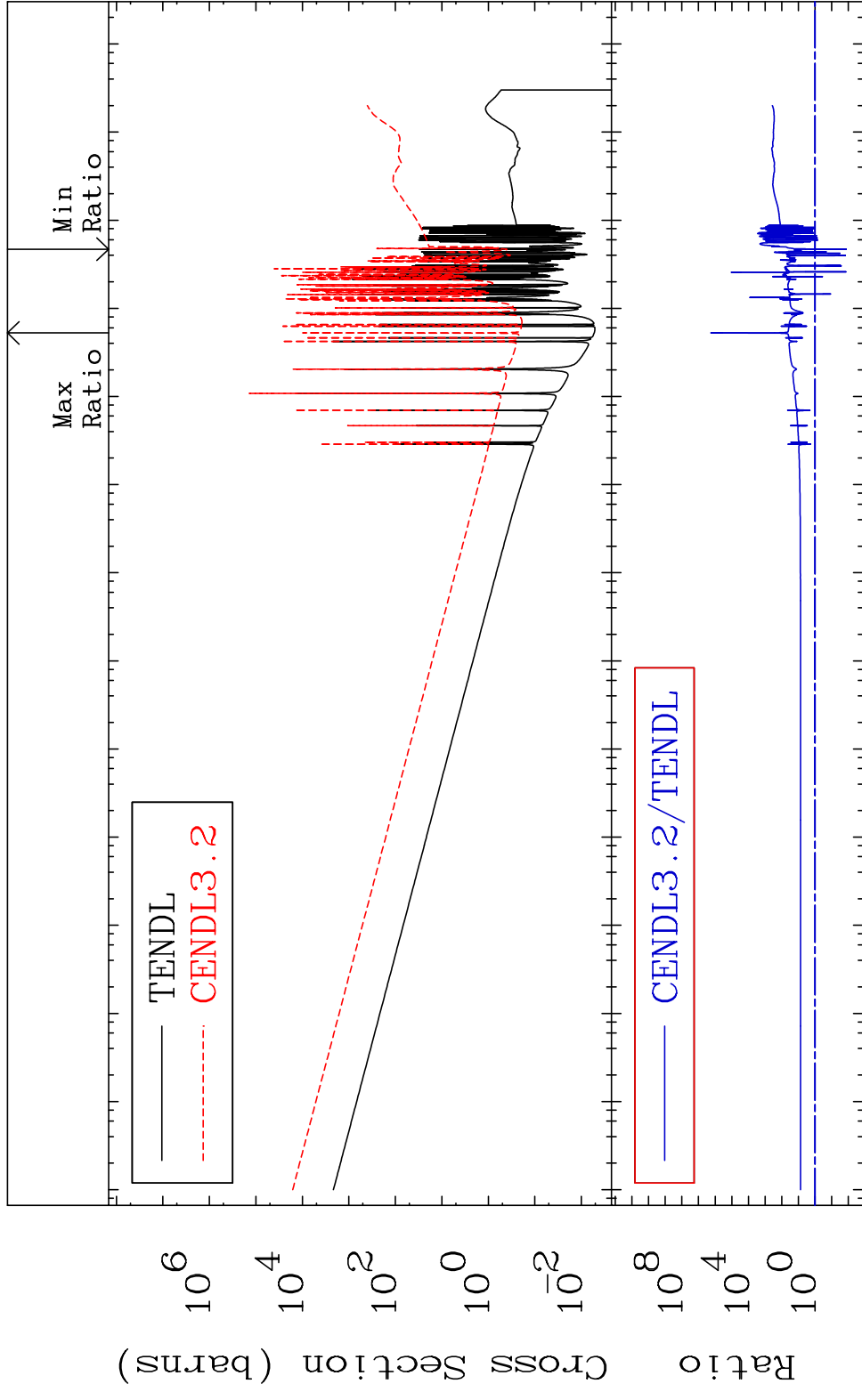
MAT 2025 Kerma inelastic (mt51-91) 20-Ca-40
 Cross Section -40.63 To 171.7 %



MAT 2025 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-40
 Cross Section -40.63 To 171.7 %

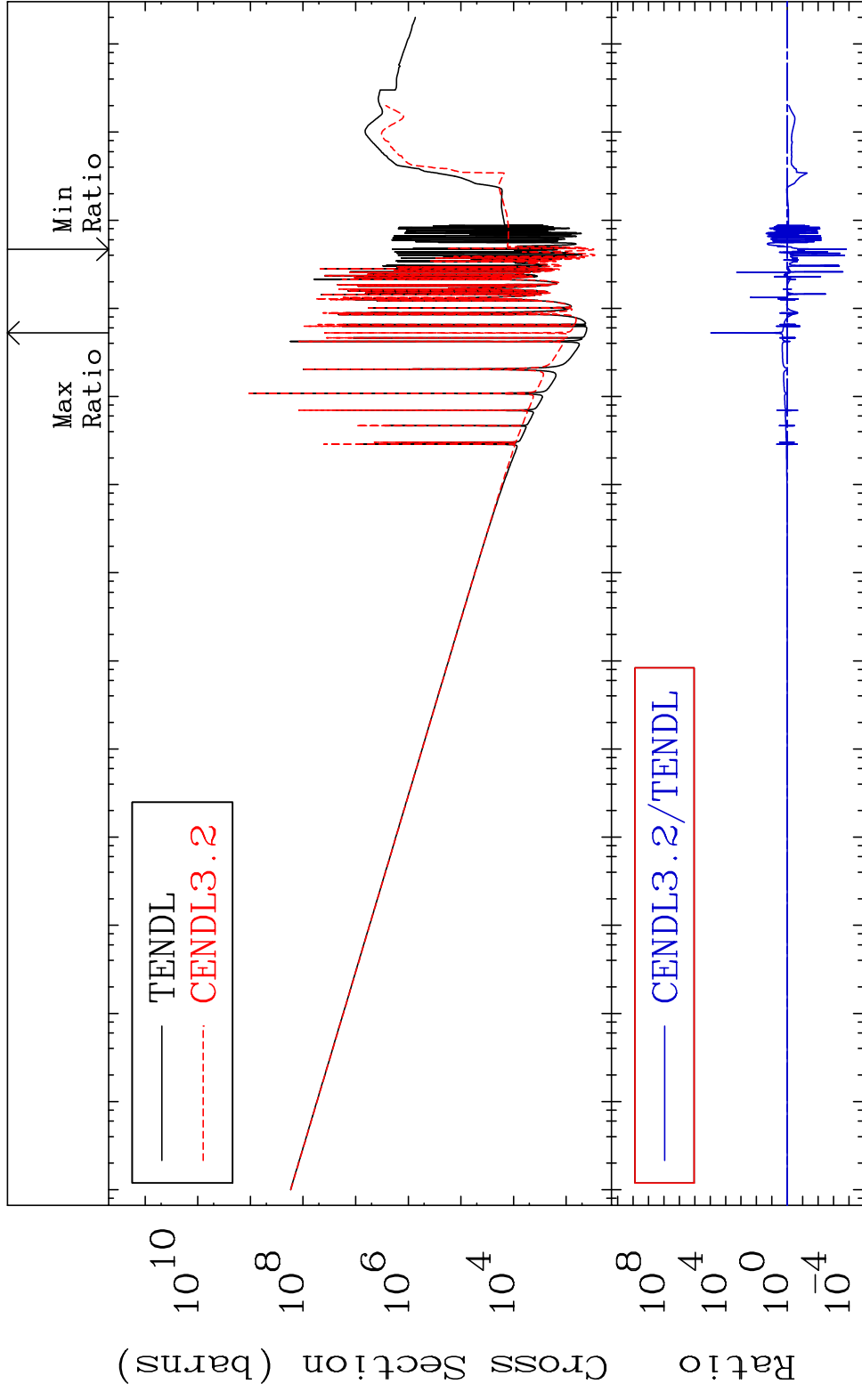


MAT 2025 Kerma capture (mt102) 20-Ca-40
 Cross Section -98.67 To 9999. %



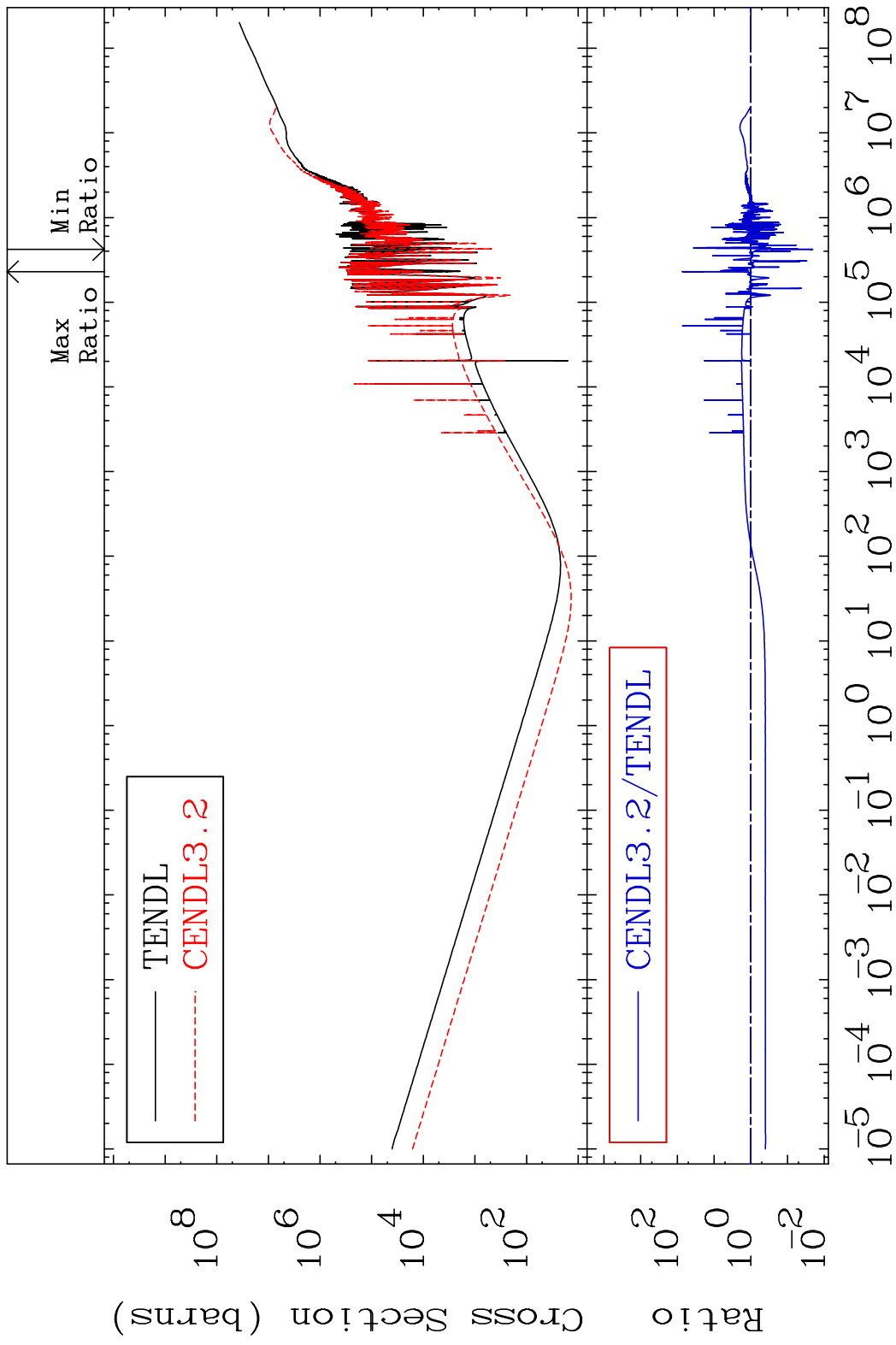
43 Incident Energy (eV) 20-Ca-40

MAT 2025 Total photon (eV-barns) 20-Ca-40
 Cross Section -99.99 To 9999. %



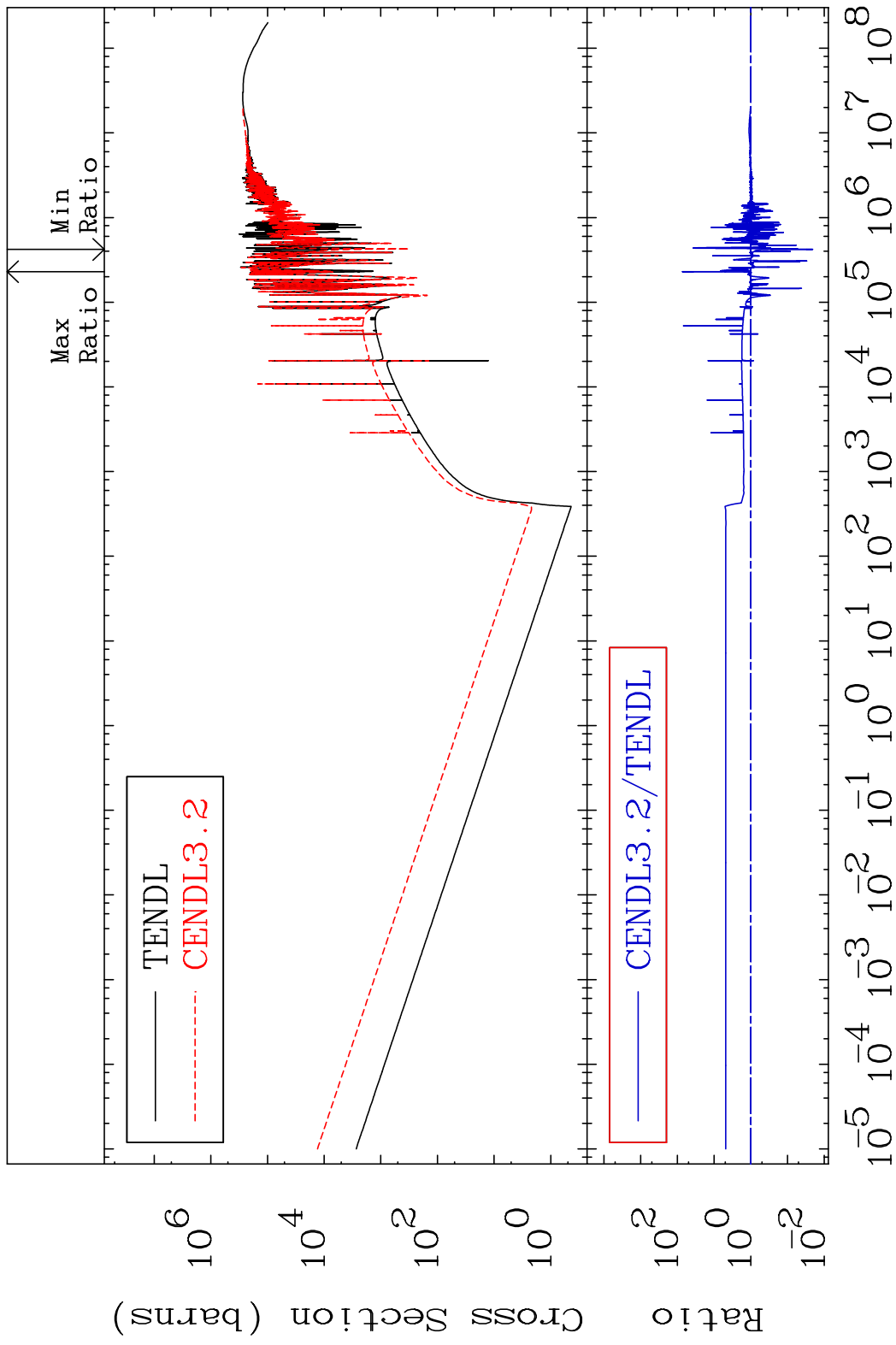
44 Incident Energy (eV) 20-Ca-40

MAT 2025 Total kinematic kerma (high limit) 20-Ca-40
Cross Section -97.93 To 7215. %



45 Incident Energy (eV) 20-Ca-40

MAT 2025 Dpa total (eV-barns) 20-Ca-40
Cross Section -97.92 To 7227. %



46 Incident Energy (eV) 20-Ca-40

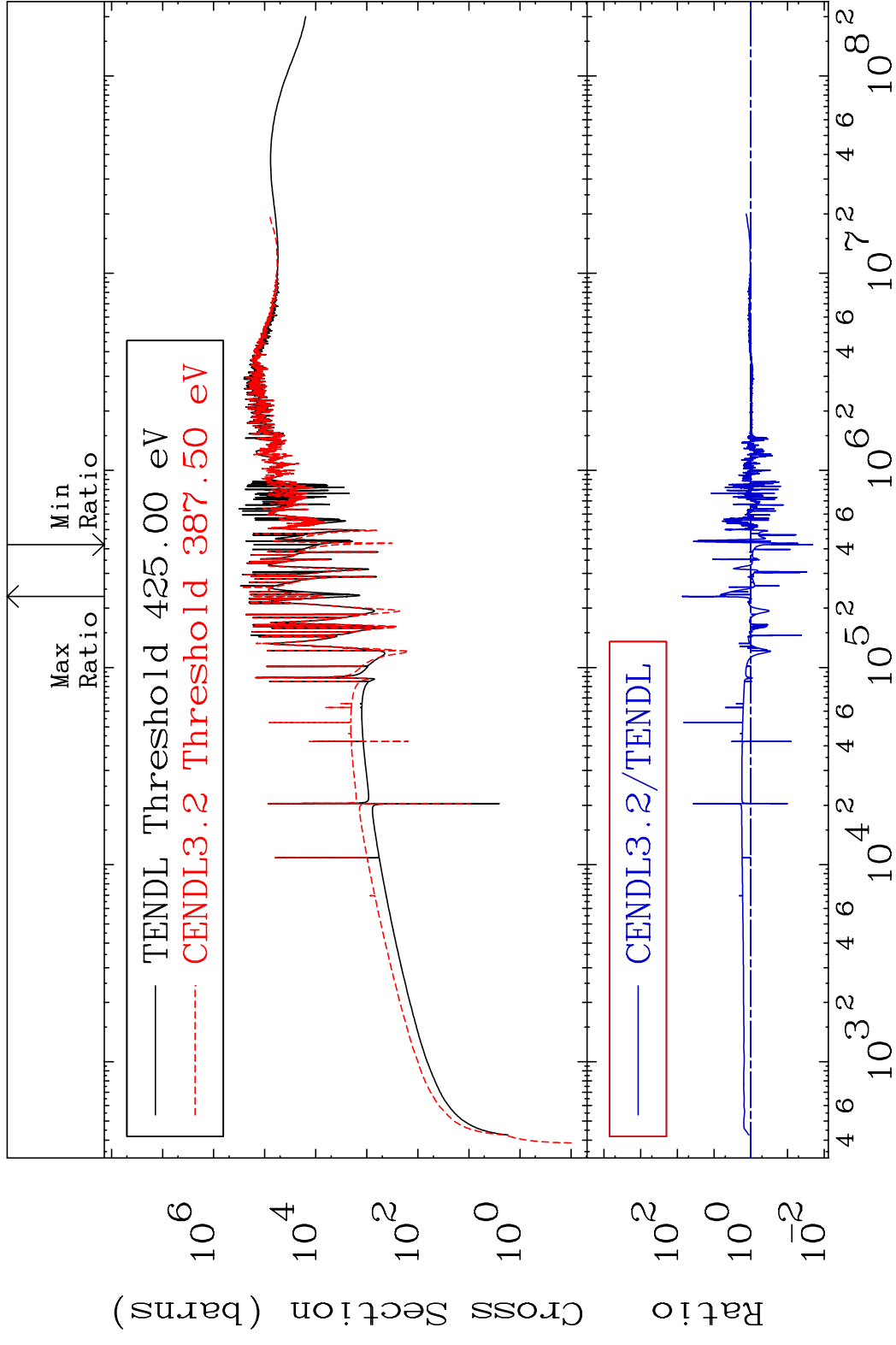
MAT 2025

Dpa elastic (mt2)

20-Ca-40

Cross Section

-97.92 To 7230. %

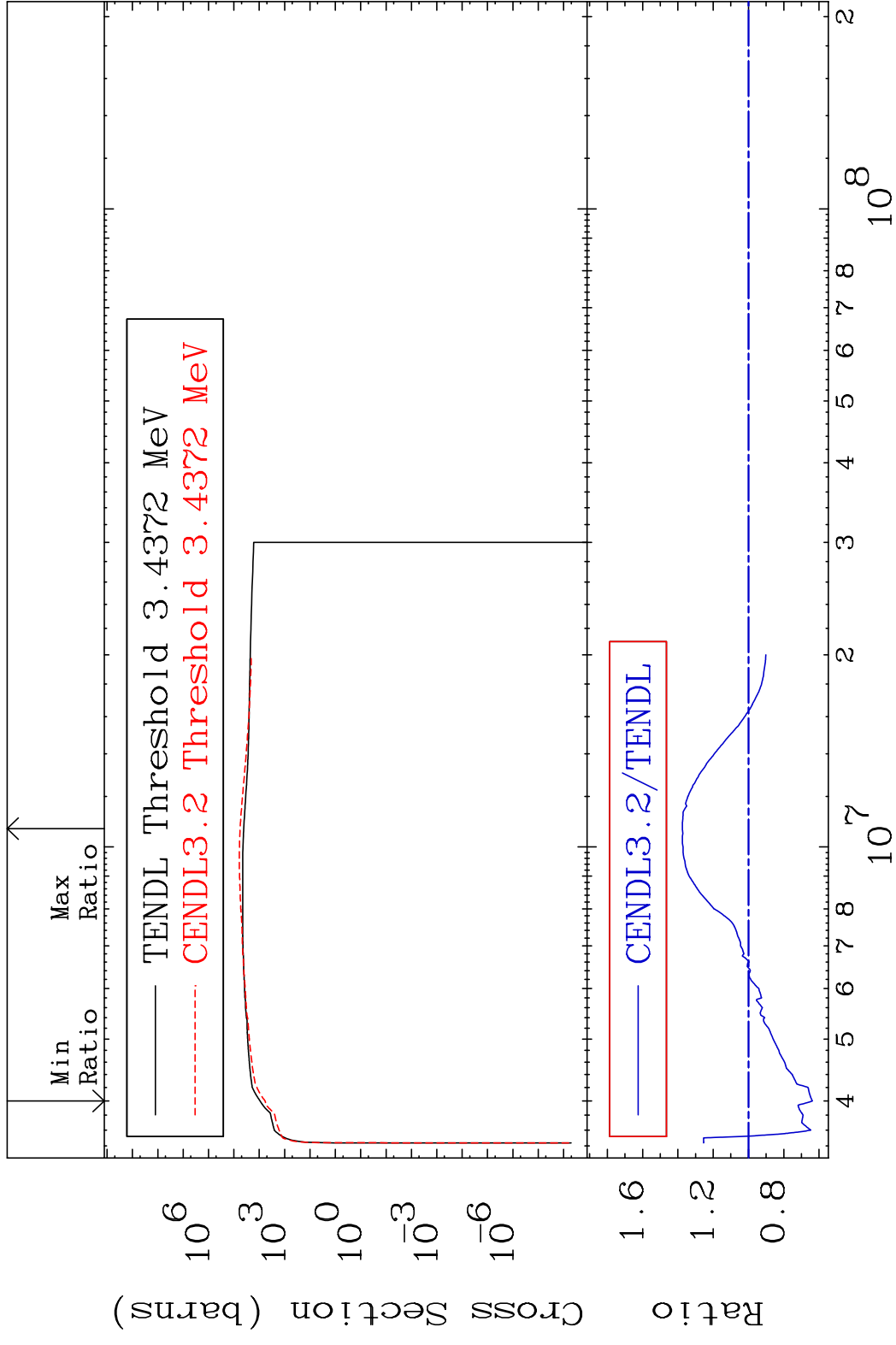


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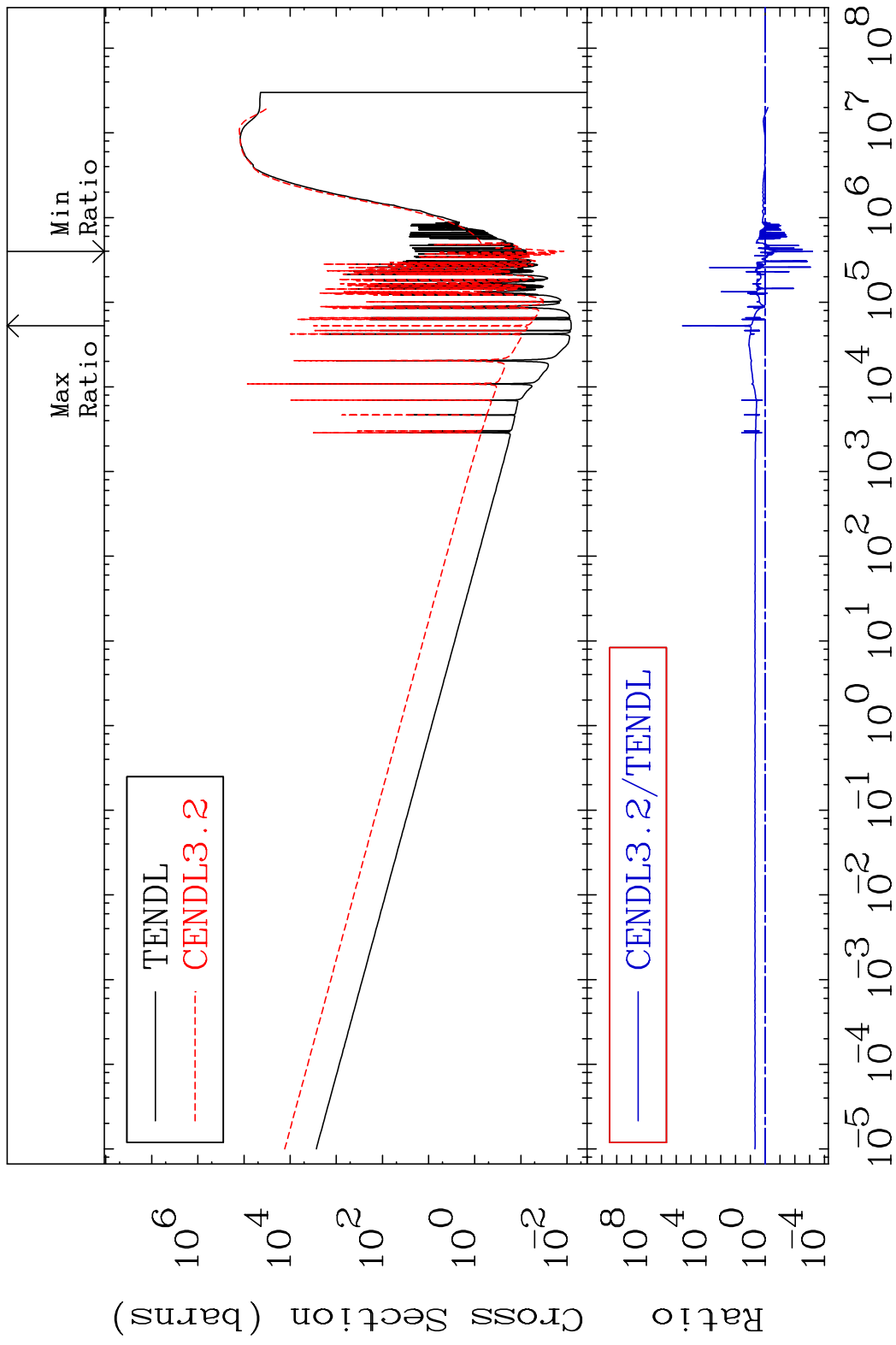
Incident Energy (eV)

20-Ca-40

MAT 2025 Dpa inelastic (mt51-91) 20-Ca-40
 Cross Section -36.30 To 37.48 %



MAT 2025 Dpa disappearance (mt102 -120) 20-Ca-40
 Cross Section -99.94 To 9999. %

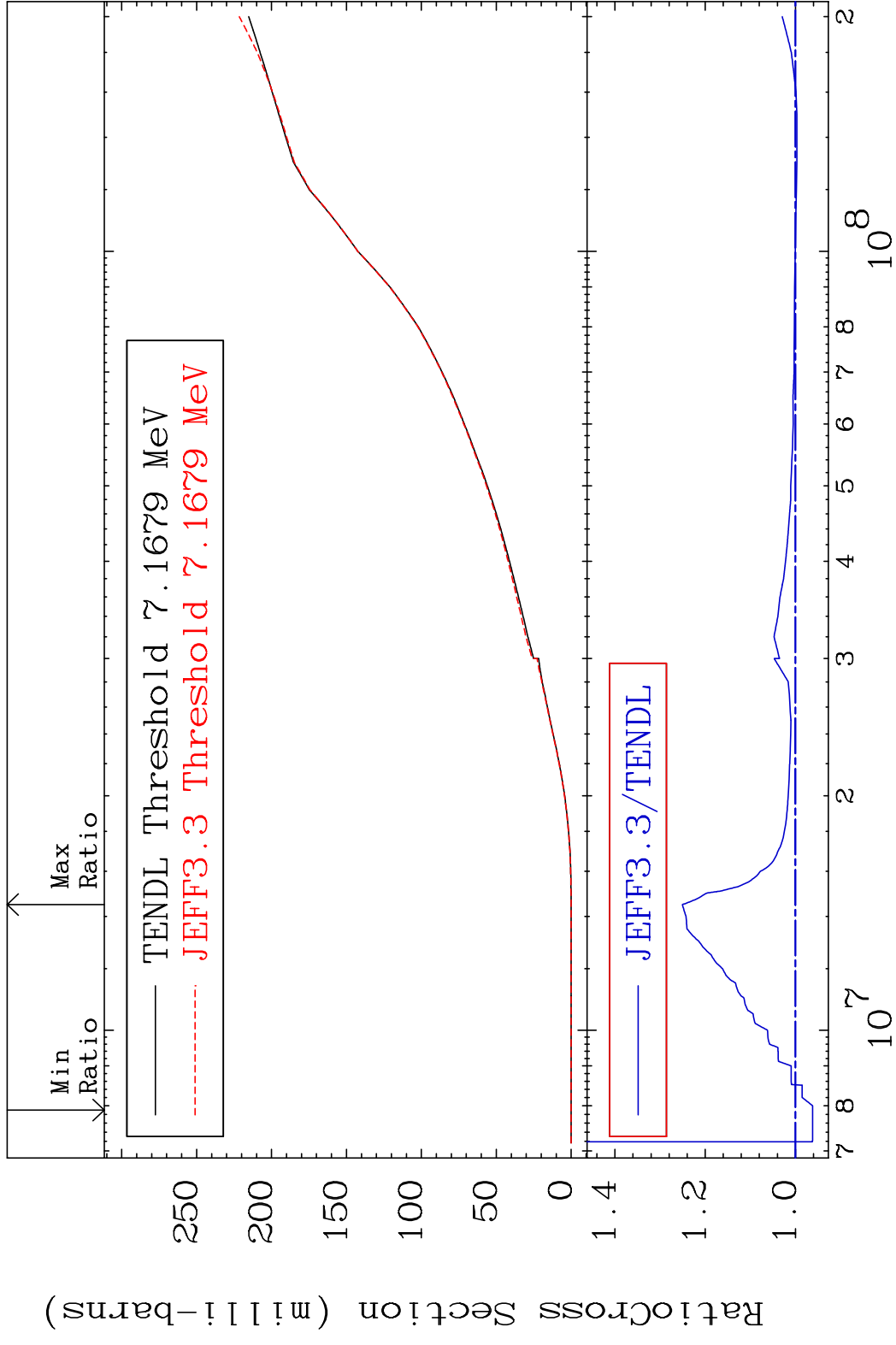


MAT 2025

He-3 Production

20-Ca-40

Cross Section -3.796 To 25.06 %



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Incident Energy (eV)

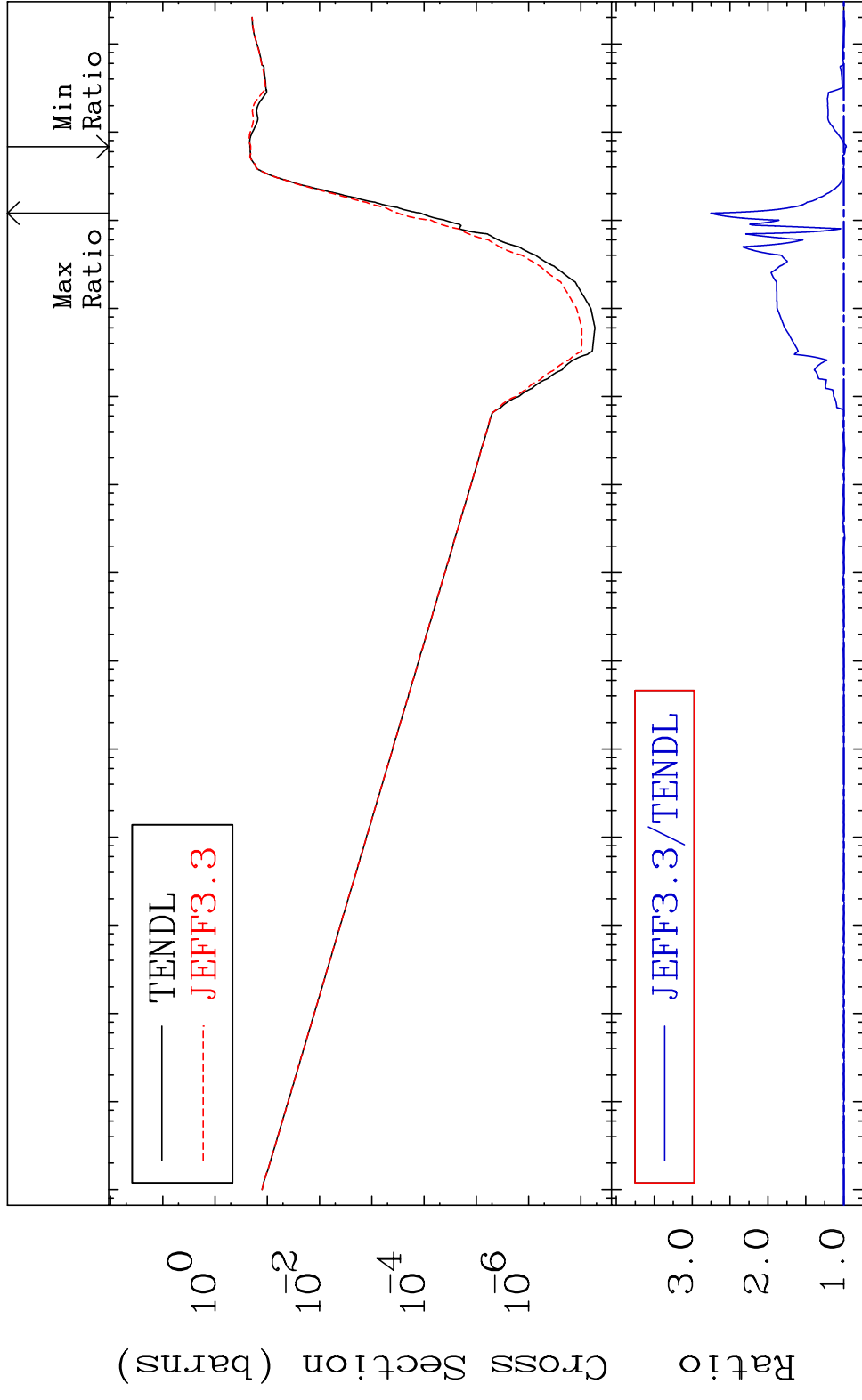
20-Ca-40

MAT 2025

He-4 Production

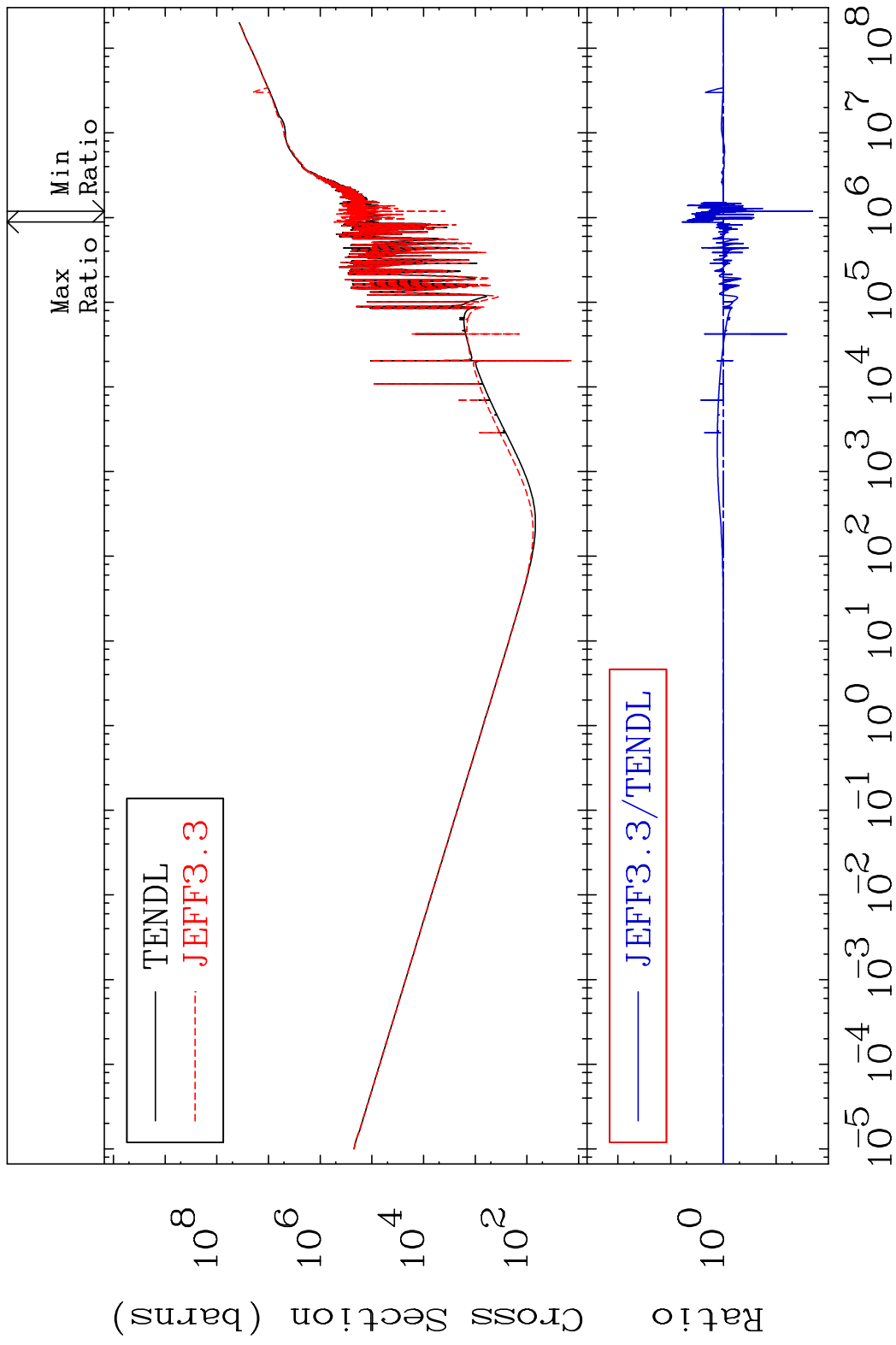
20-Ca-40

Cross Section -3.362 To 175.5 %



51 Incident Energy (eV) 20-Ca-40

MAT 2025 Kerma total (eV-barns) 20-Ca-40
 Cross Section -97.96 To 500.5 %

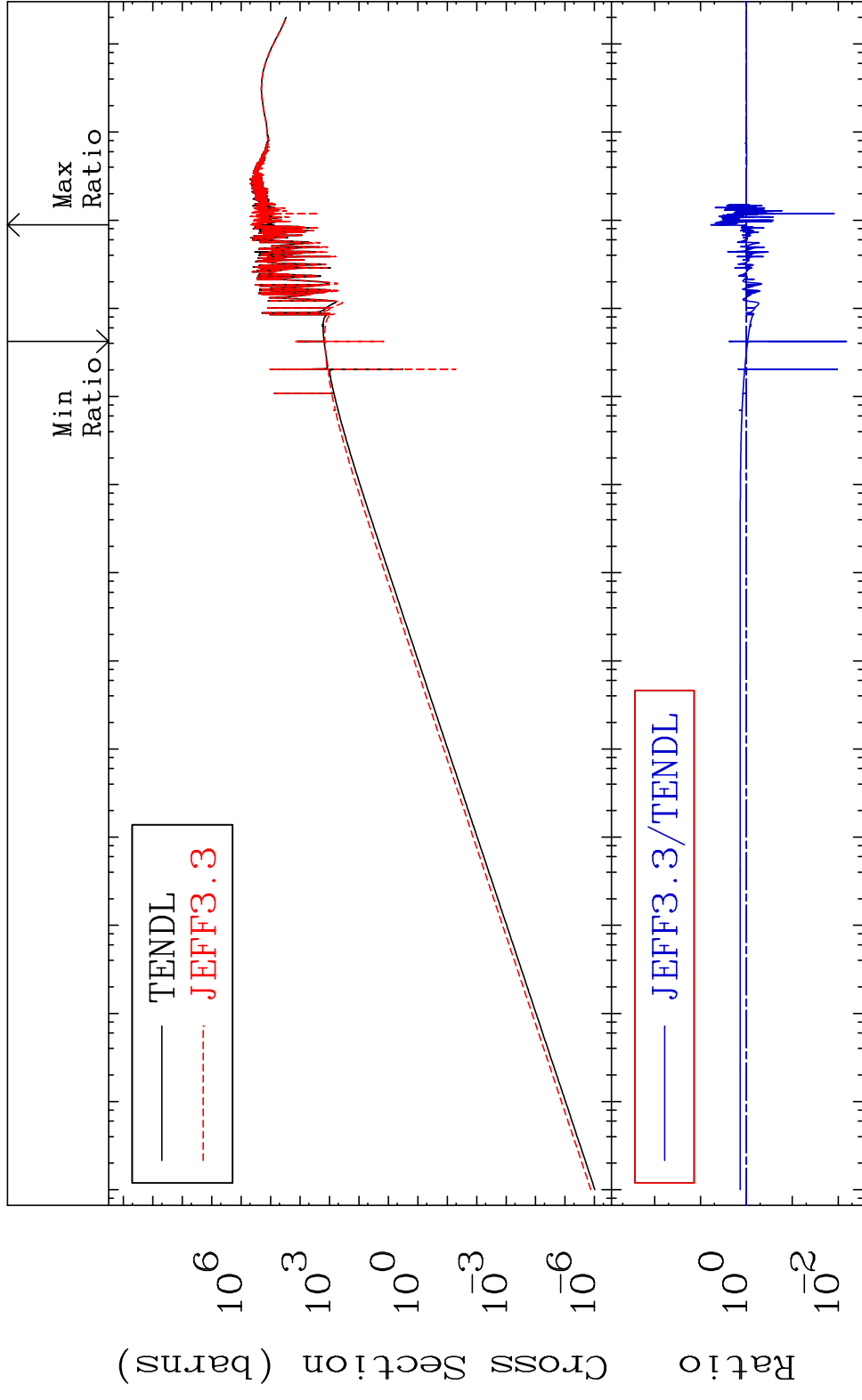


52 Incident Energy (eV) 20-Ca-40

MAT 2025

Kerma elastic
Cross Section

20-Ca-40
-99.33 To 500.5 %

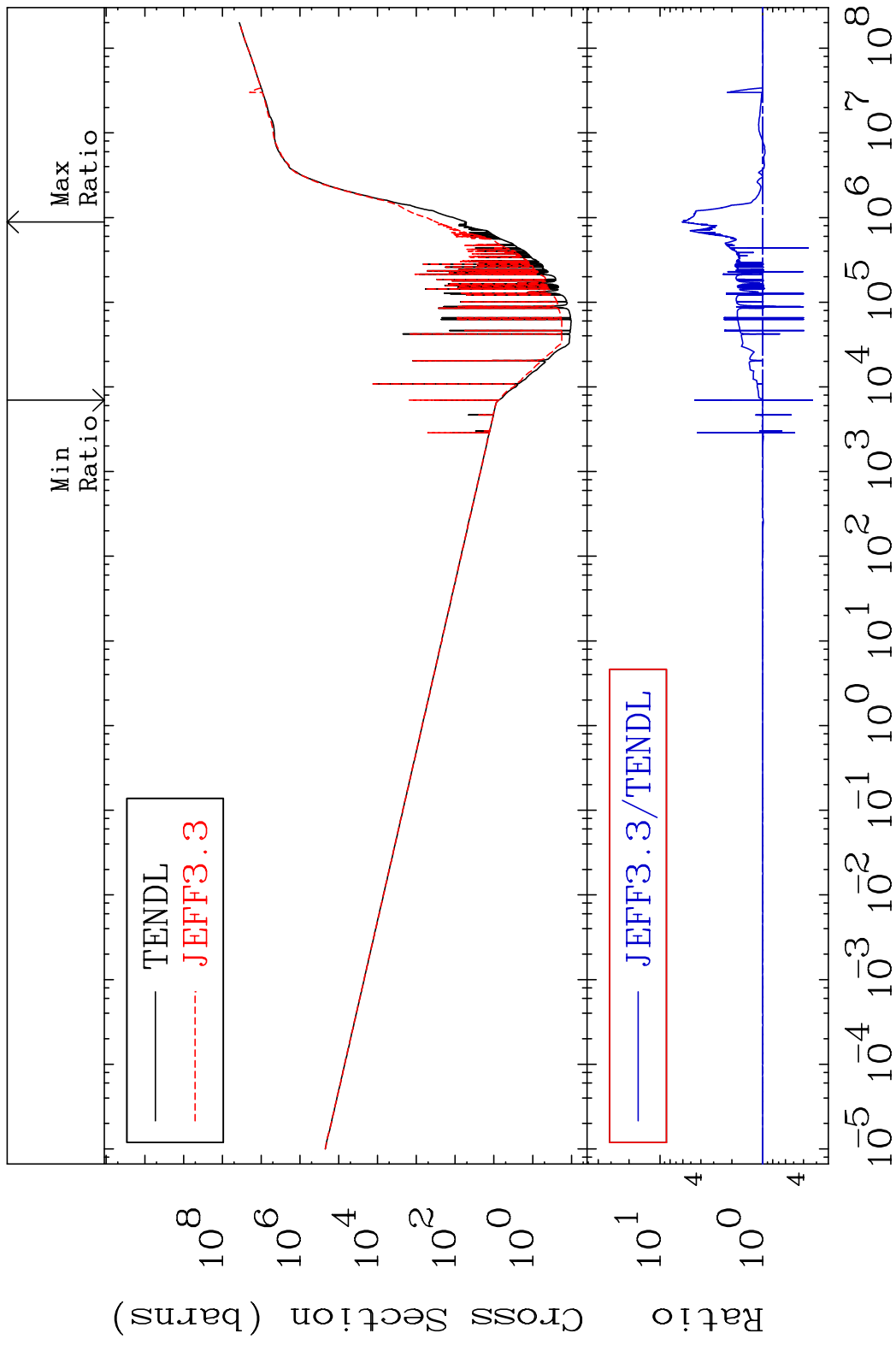


53

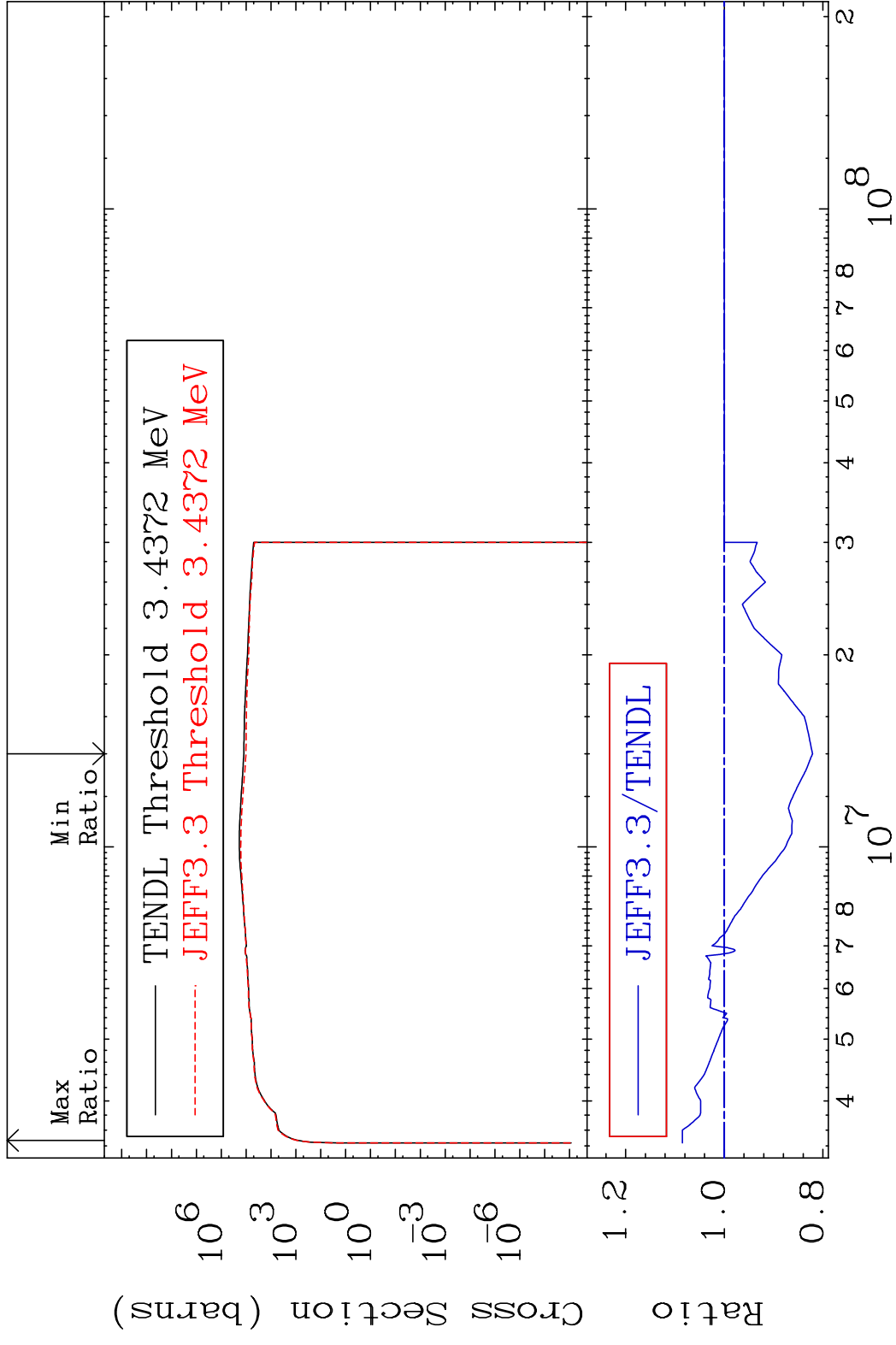
Incident Energy (eV)

20-Ca-40

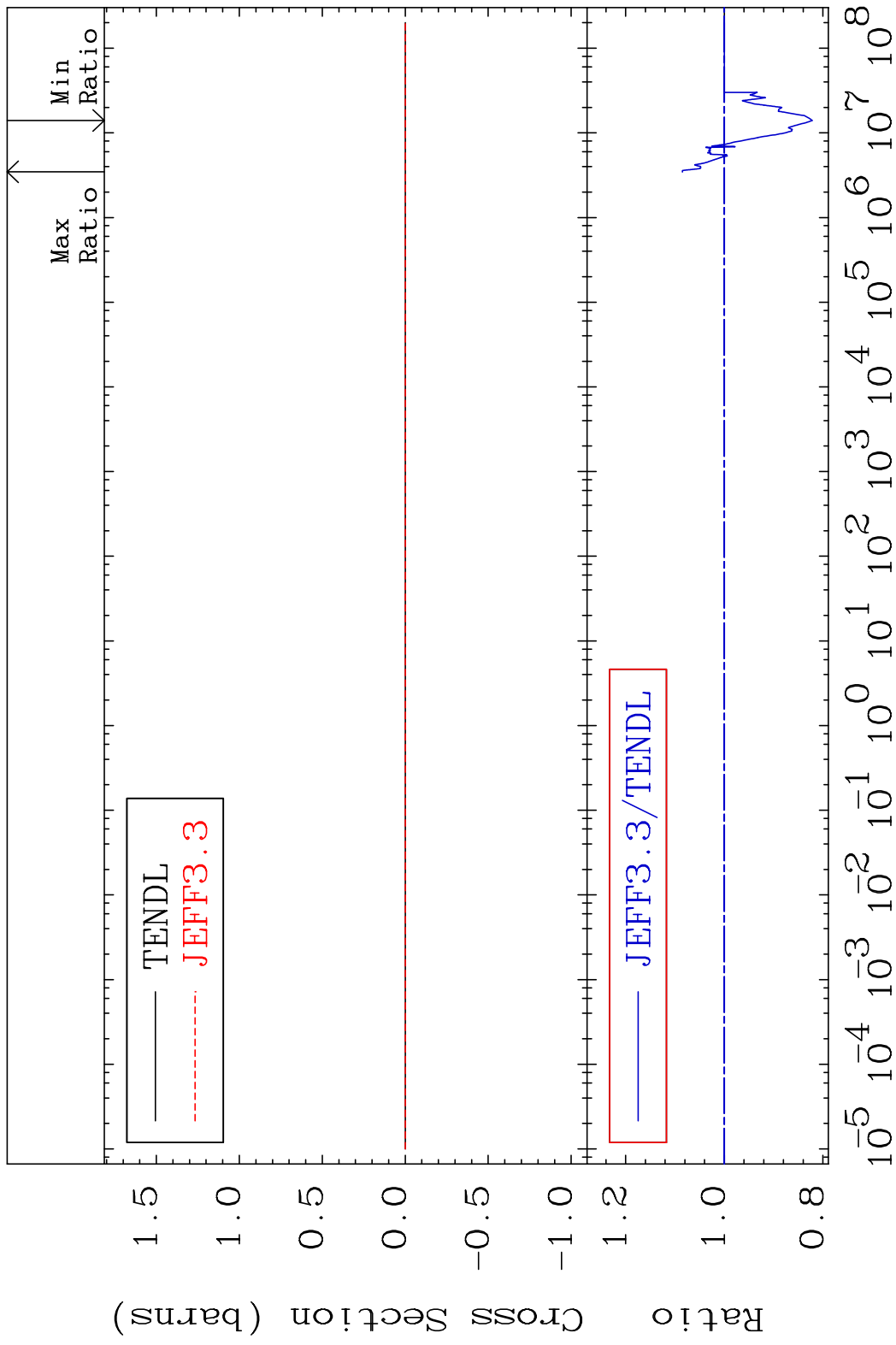
MAT 2025 Kerma non-elastic (all but mt2) 20-Ca-40
 Cross Section -67.30 To 505.9 %



MAT 2025 Kerma inelastic (mt51-91) 20-Ca-40
 Cross Section -17.90 To 8.495 %

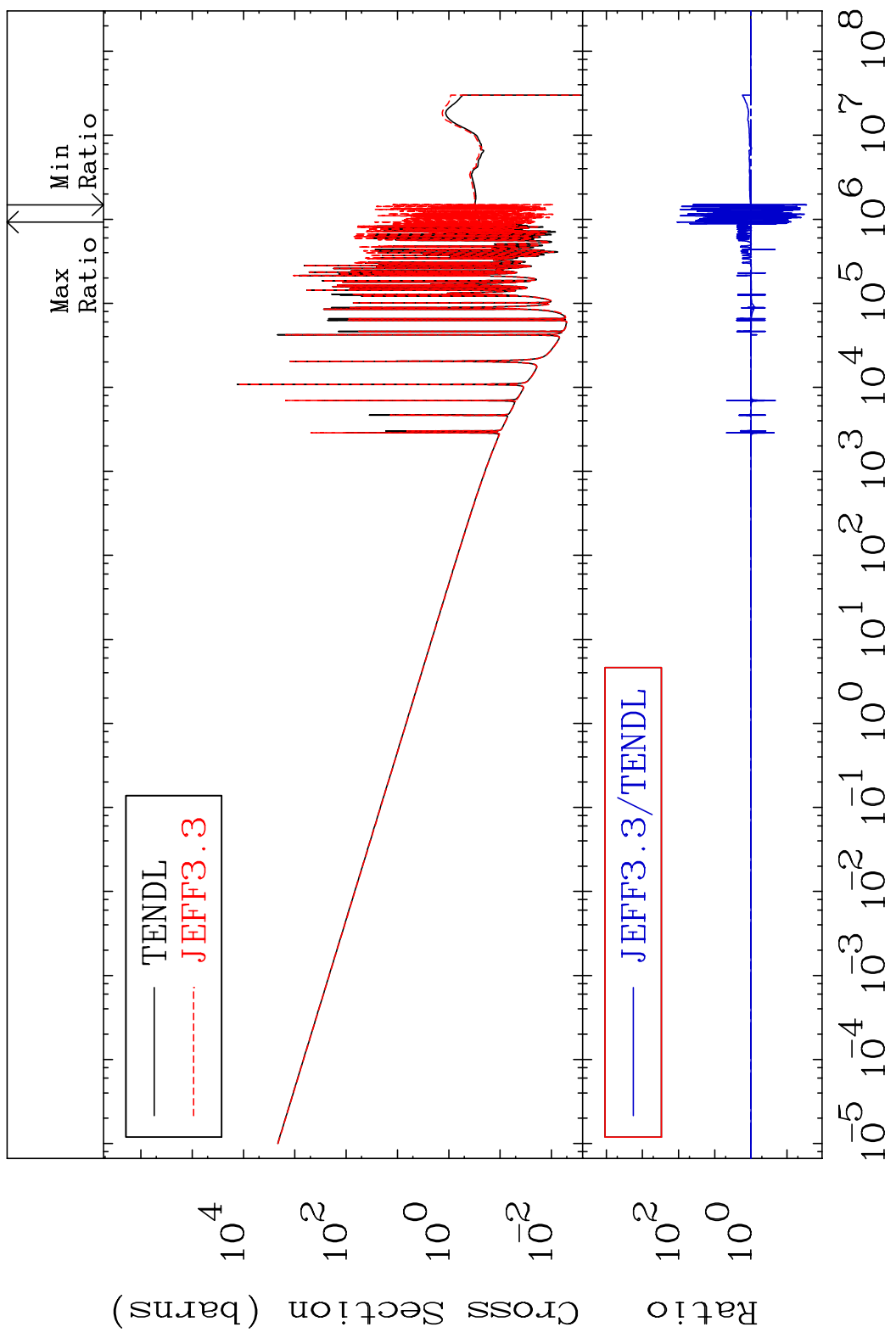


MAT 2025 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-40
 Cross Section -17.90 To 8.495 %



MAT 2025

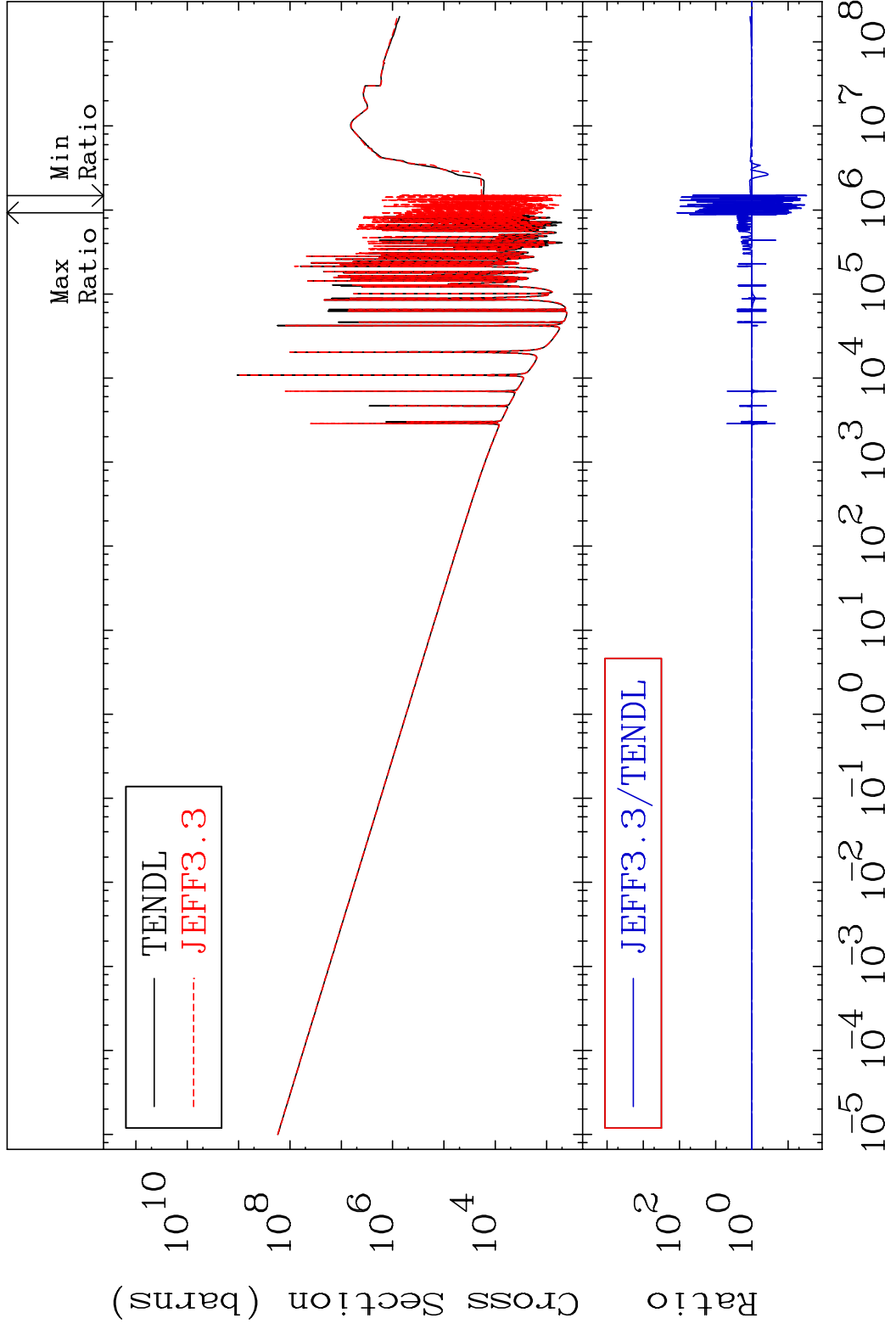
Kerma capture (mt102) 20-Ca-40
Cross Section -97.09 To 9999. %



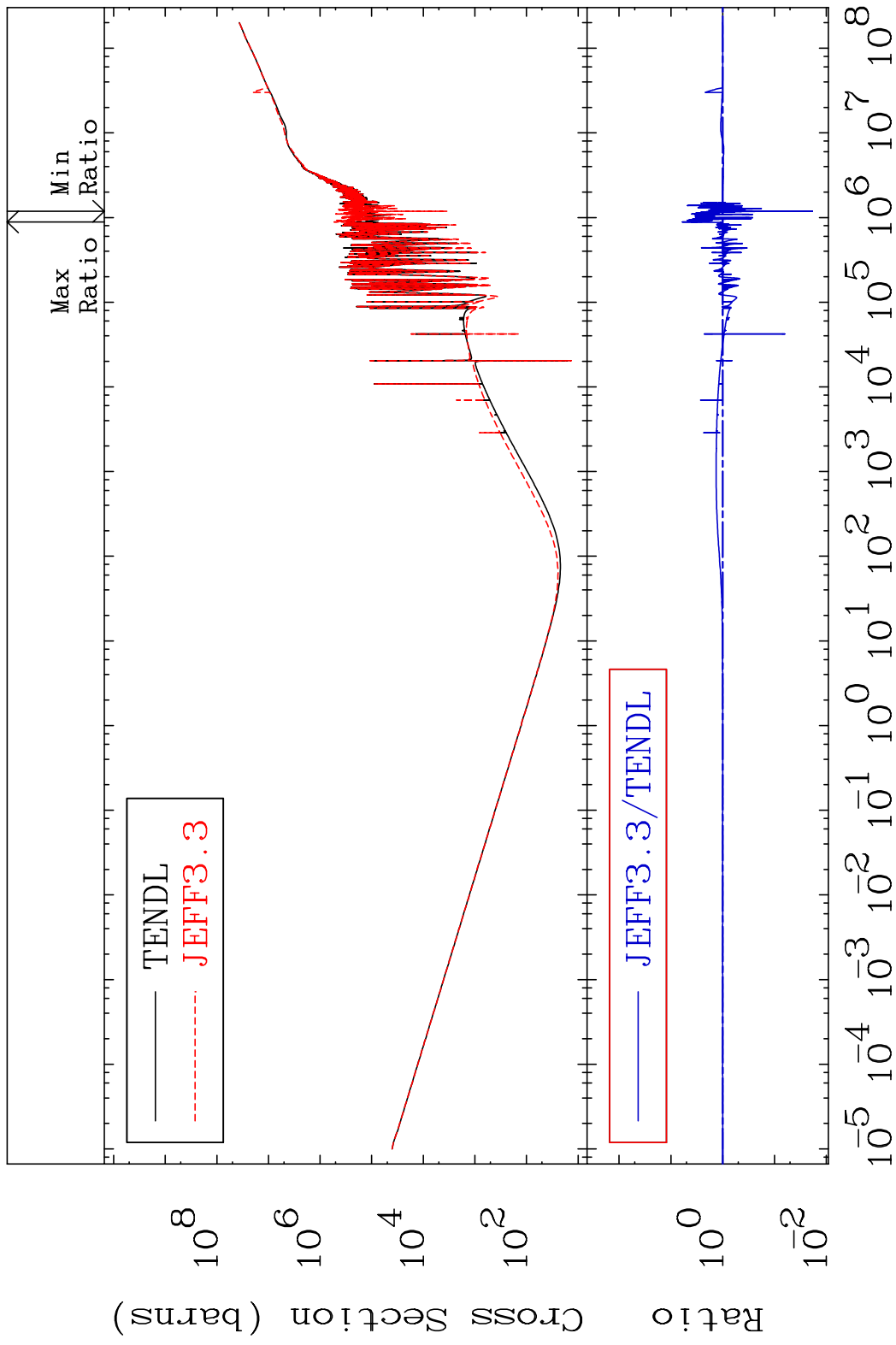
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Incident Energy (eV) 20-Ca-40

MAT 2025 Total photon (eV-barns) 20-Ca-40
 Cross Section -96.89 To 9999. %



MAT 2025 Total kinematic kerma (high limit) 20-Ca-40
Cross Section -98.16 To 500.5 %

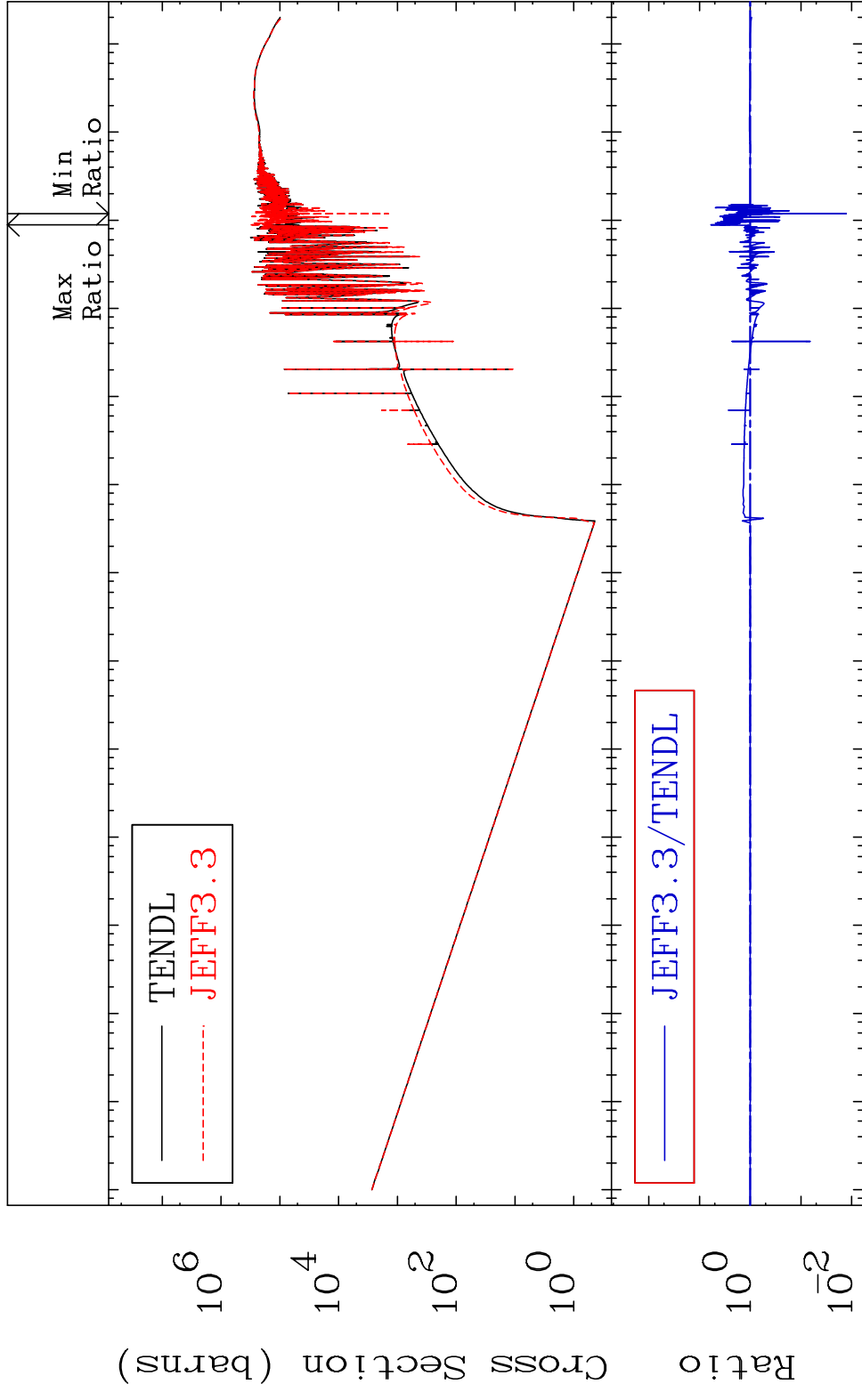


MAT 2025

Dpa total (eV-barns)

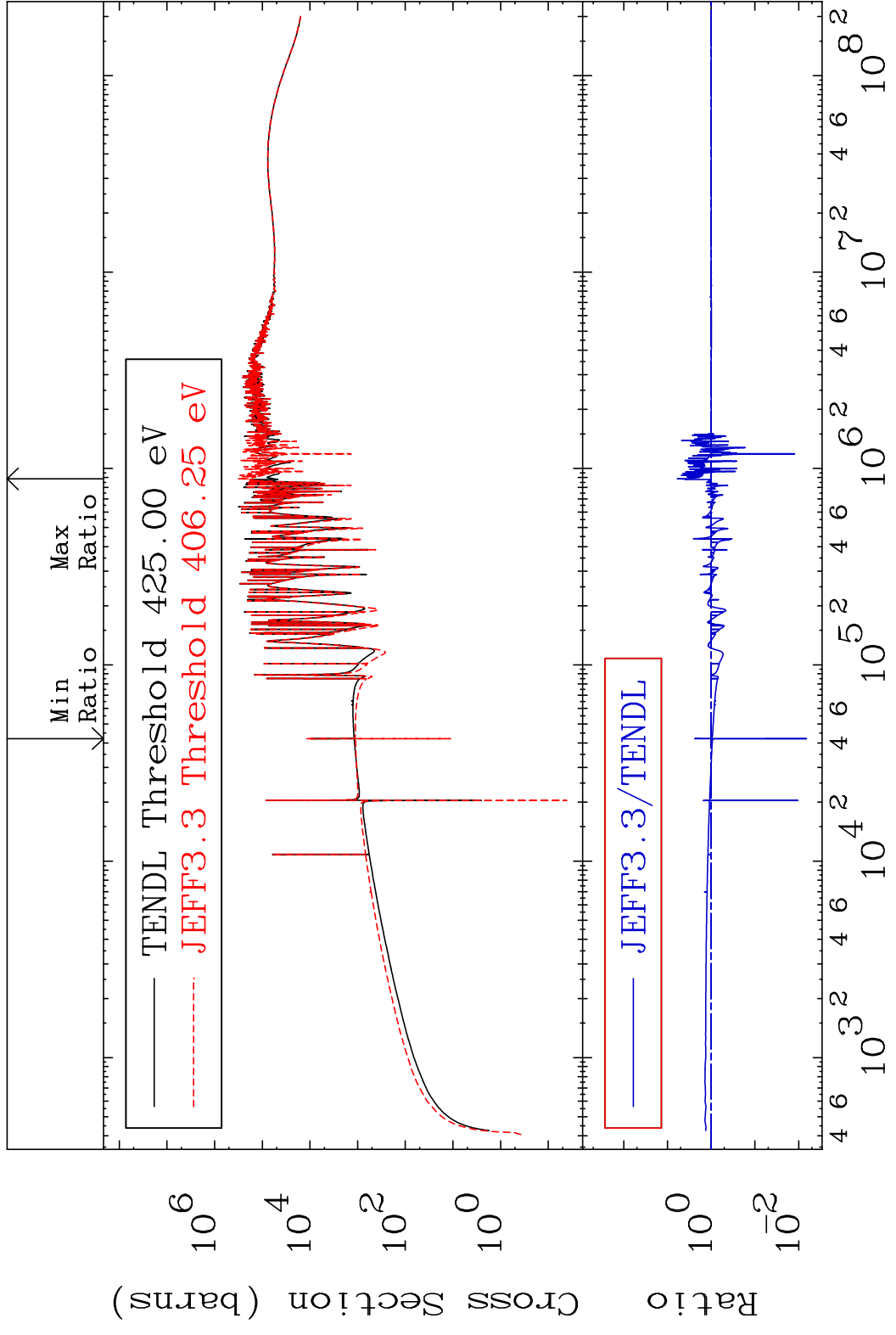
20-Ca-40

Cross Section -98.72 To 500.7 %



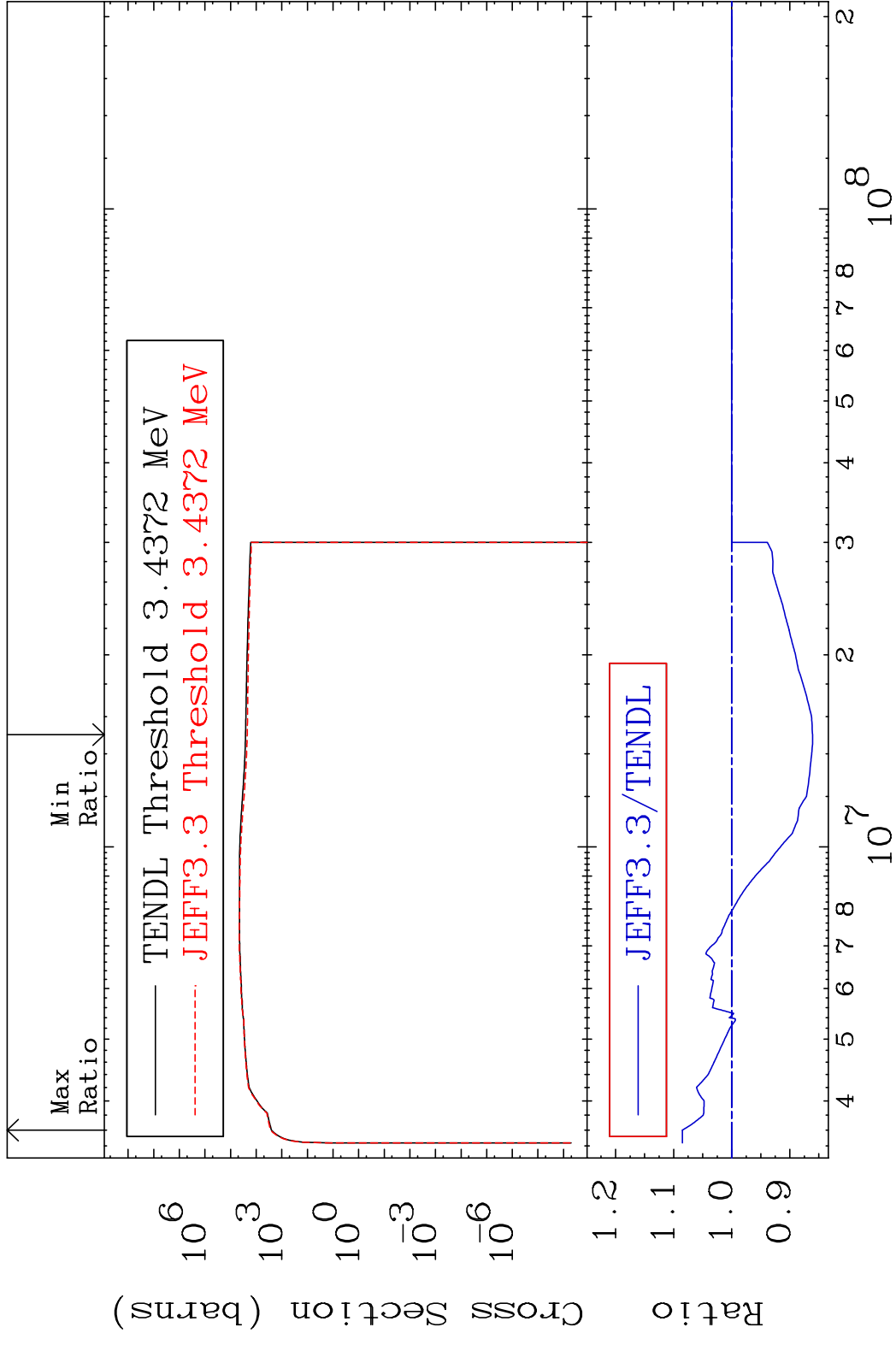
60 Incident Energy (eV) 20-Ca-40

MAT 2025 Dpa elastic (mt2) 20-Ca-40
 Cross Section -99.33 To 500.6 %

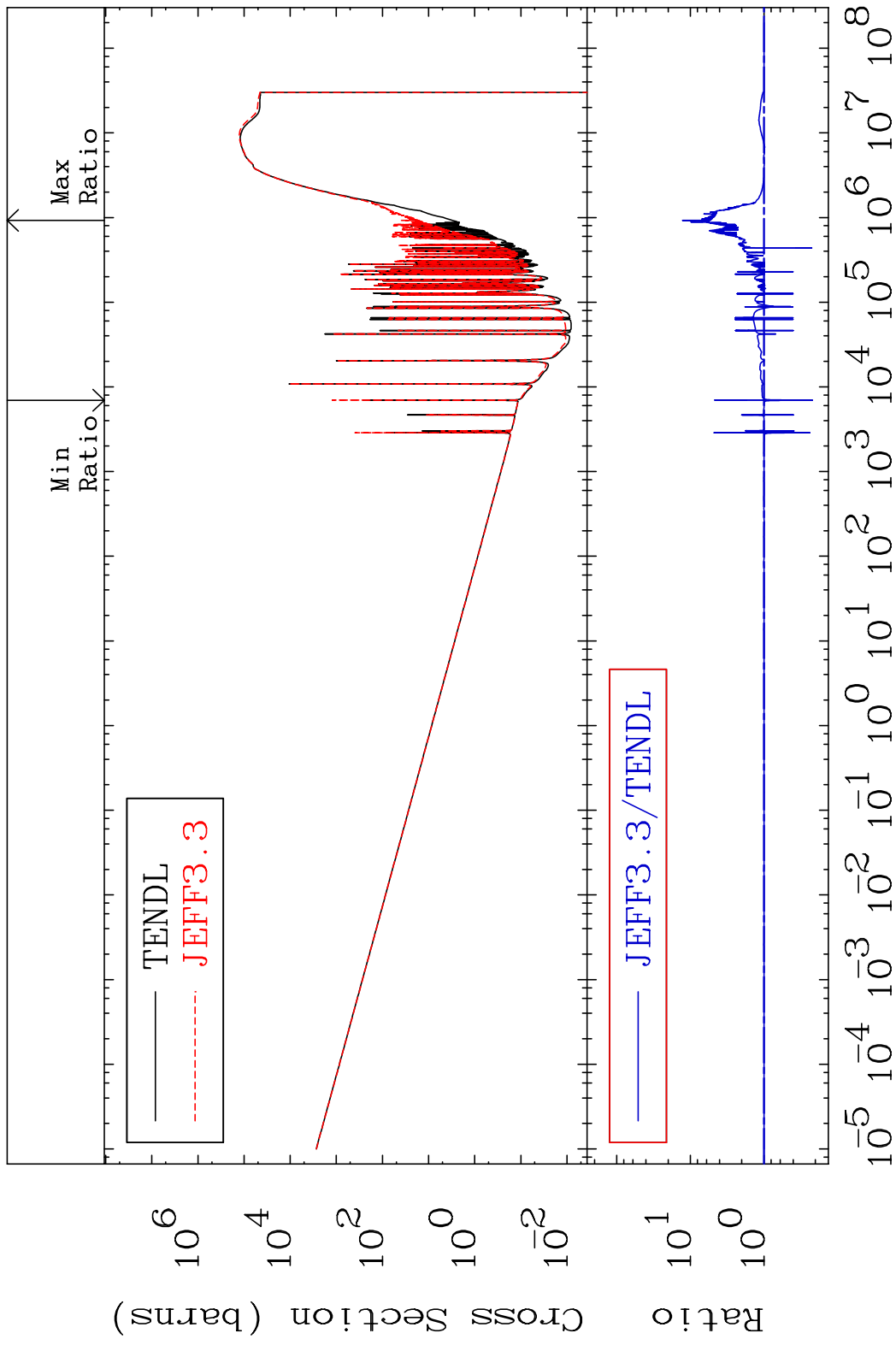


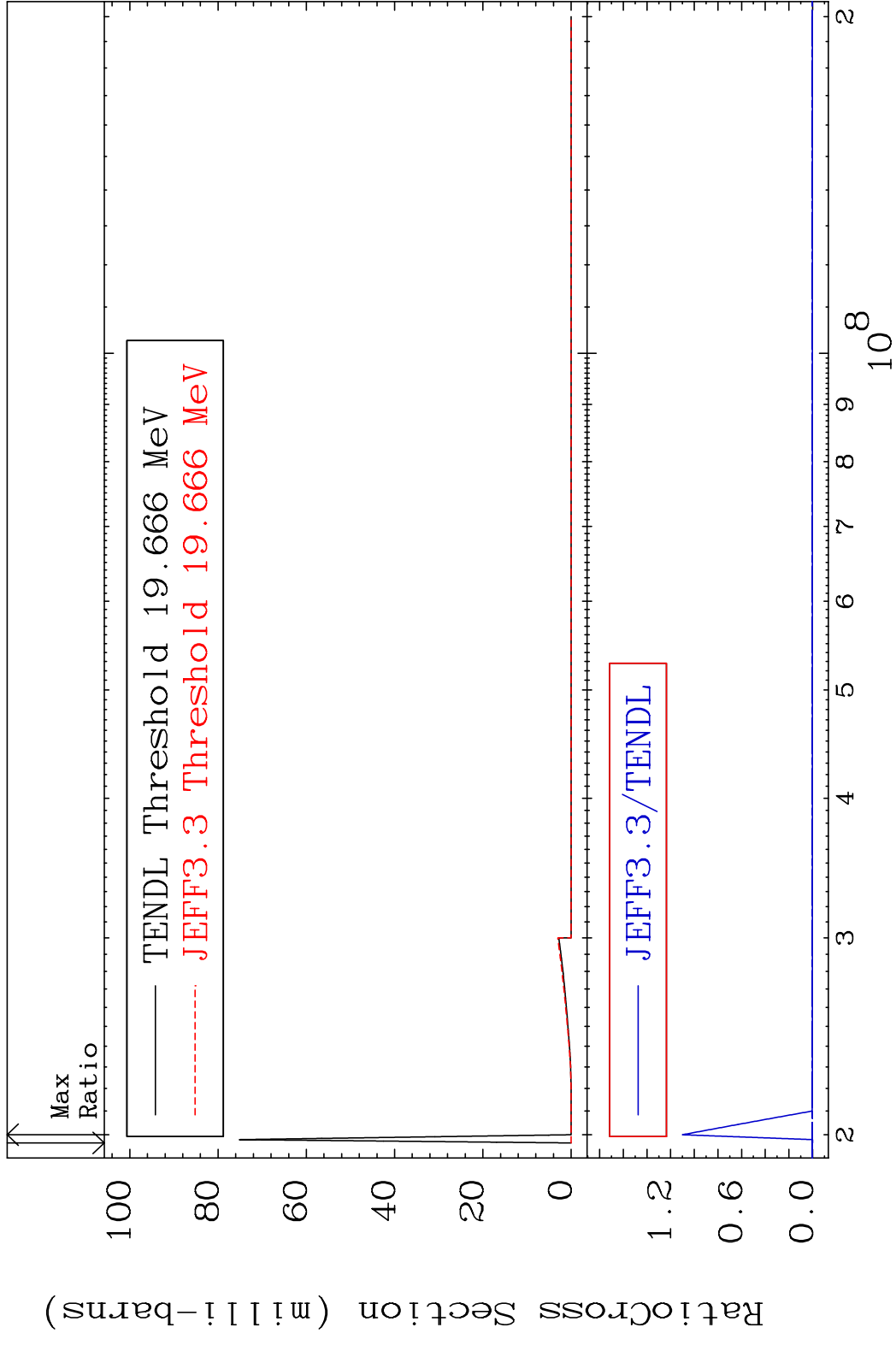
61 Incident Energy (eV) 20-Ca-40

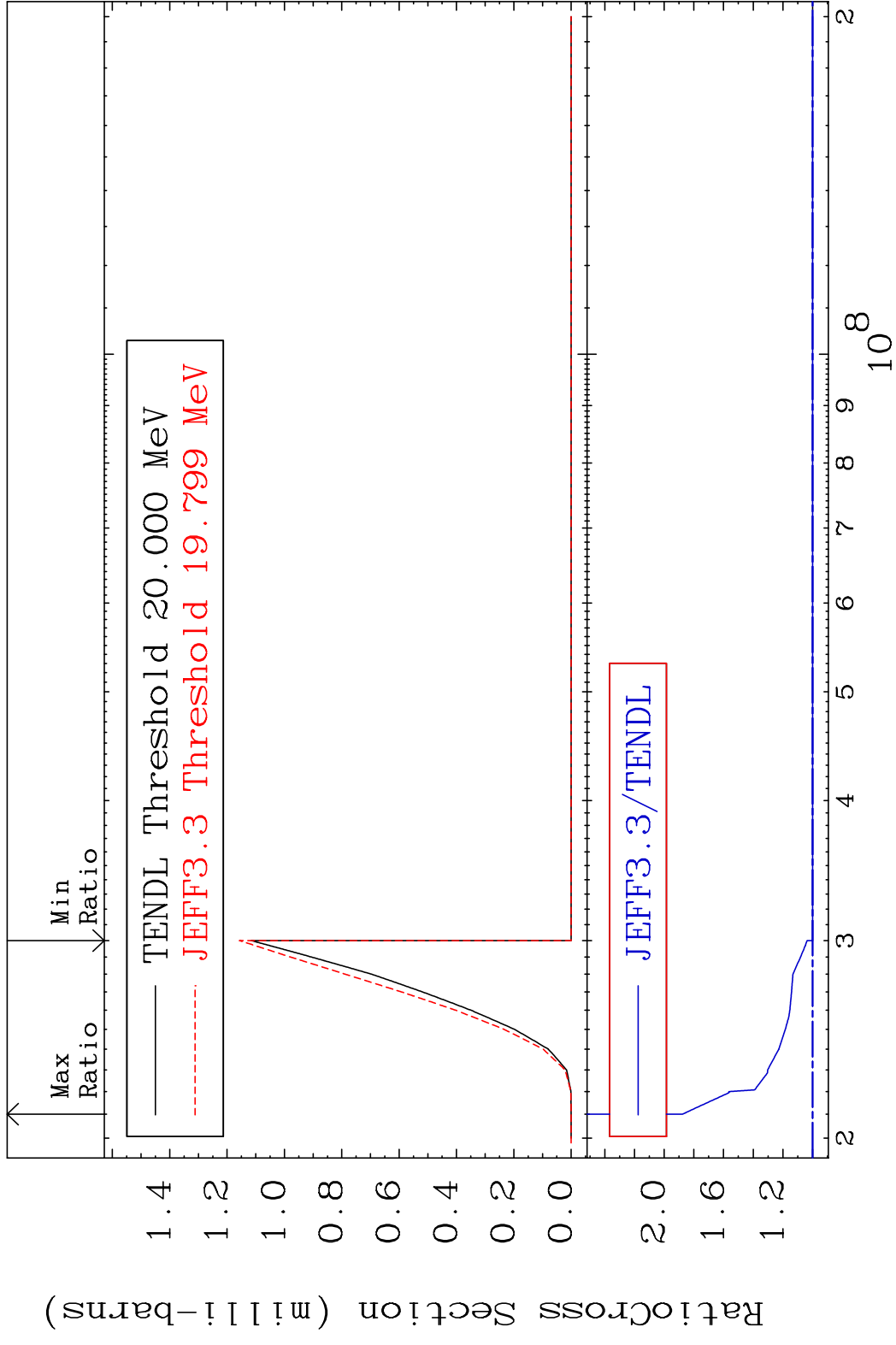
MAT 2025 Dpa inelastic (mt51-91) 20-Ca-40
 Cross Section -13.92 To 8.497 %



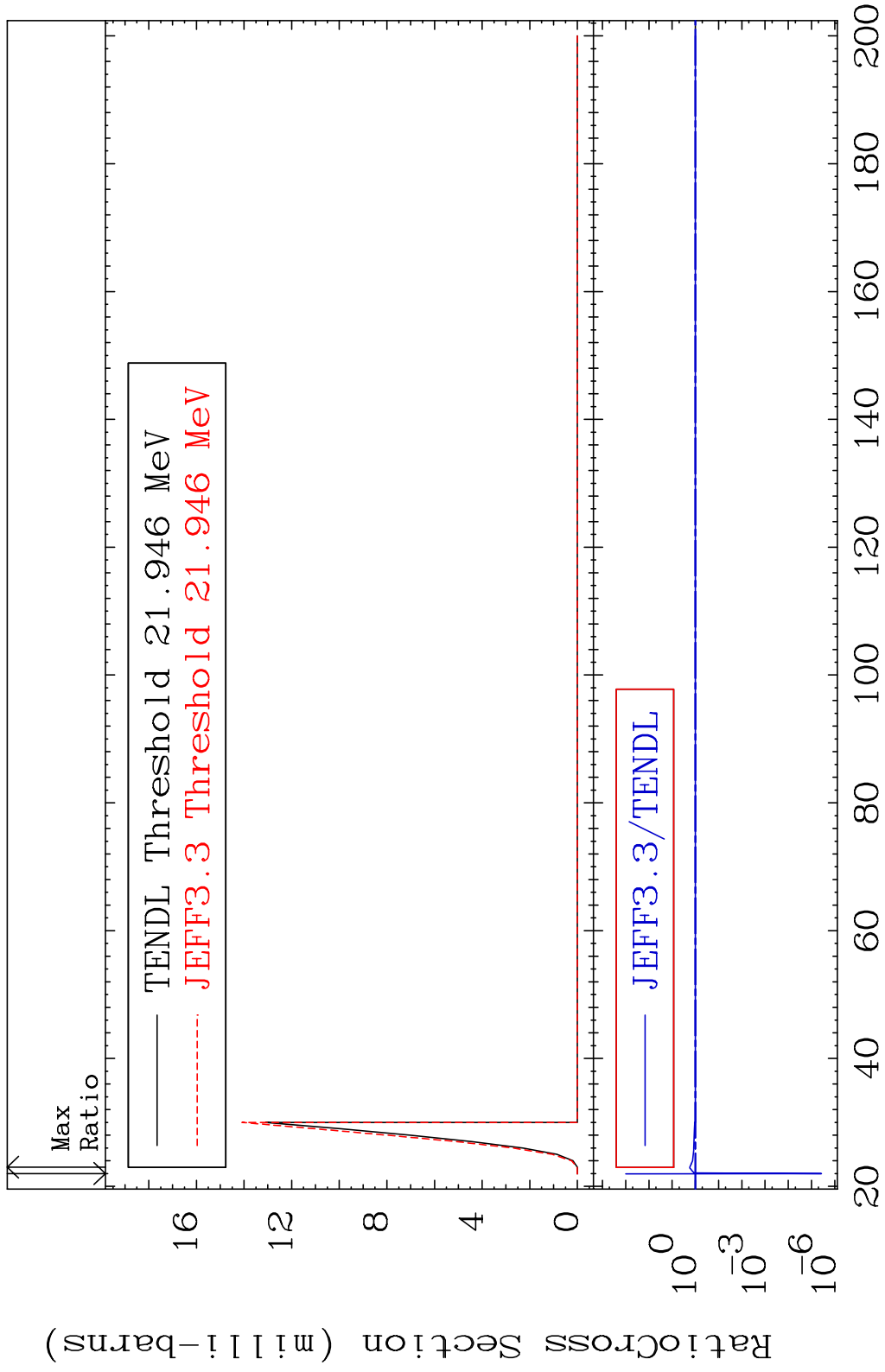
MAT 2025 Dpa disappearance (mt102 -120) 20-Ca-40
 Cross Section -78.16 To 1182. %



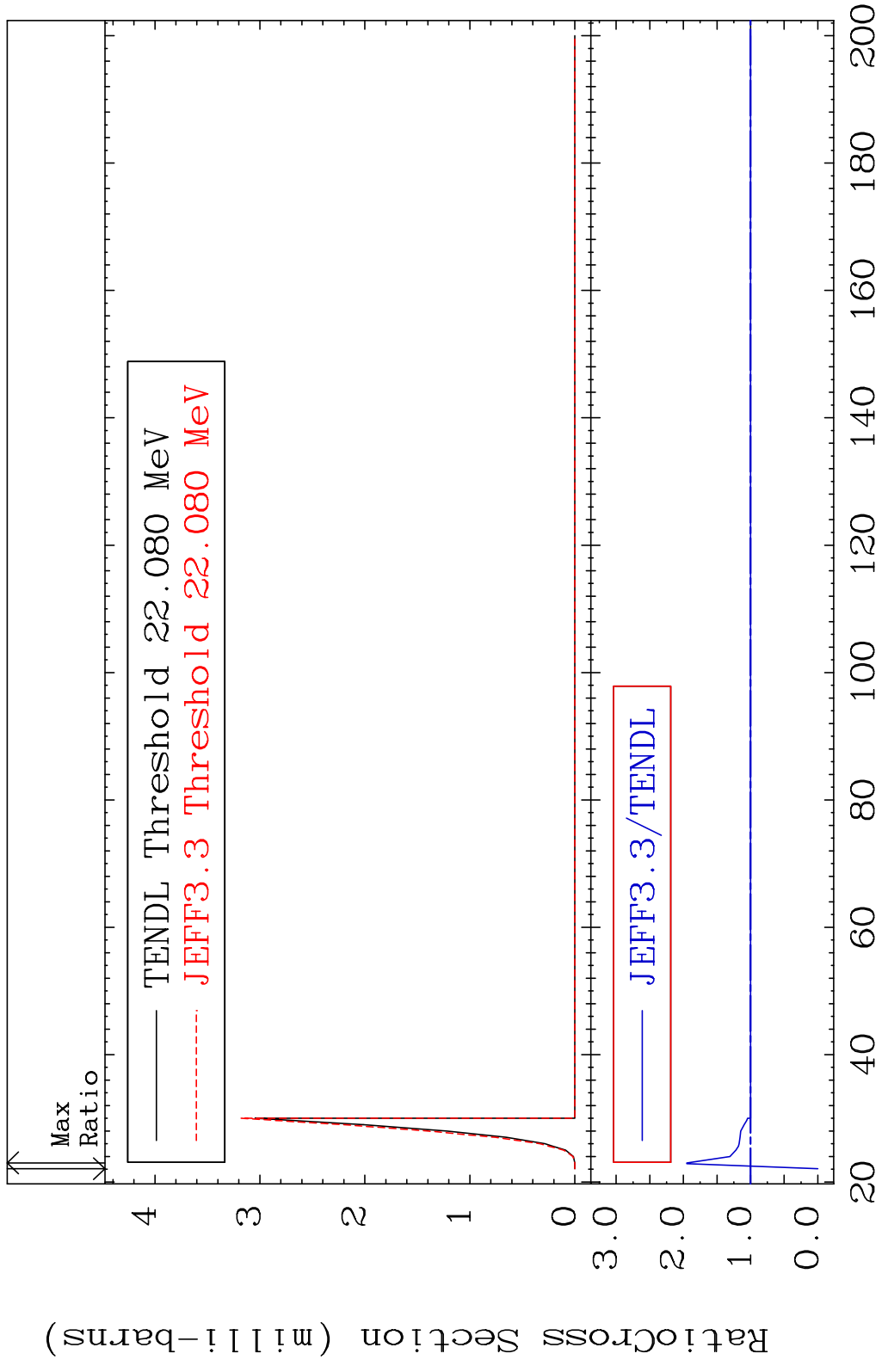




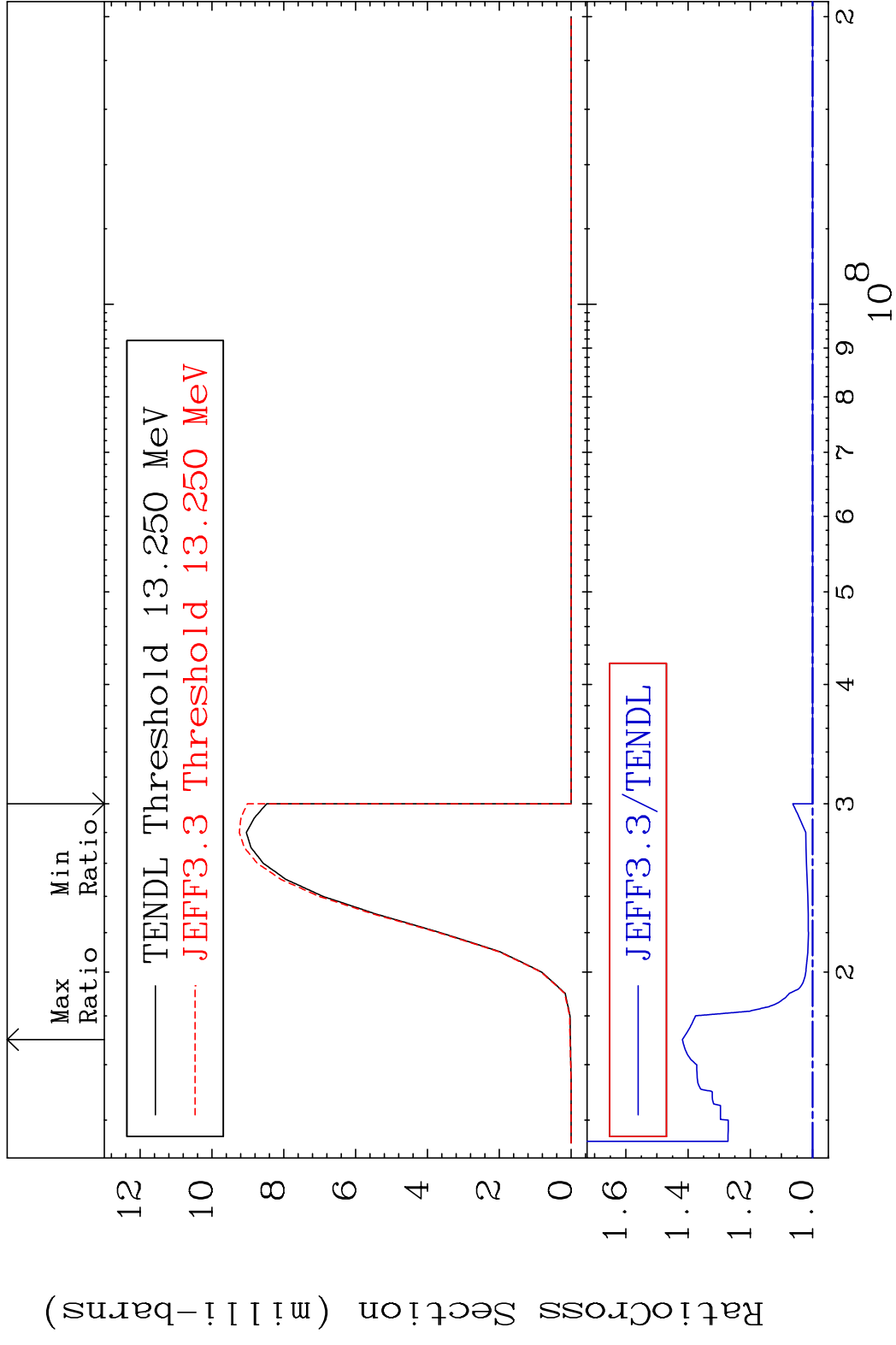
MAT 2025 (n,2n) p:19-K -38g 20-Ca-40
 Radionuclide Production Cross Section 180c01.d10 74.02 %



MAT 2025 (n,2n) p:19-K -38m1 20-Ca-40
 Radionuclide Production Cross Section Ratio 94.99 %



MAT 2025 (n, t): 19-K -38g 20-Ca-40
 Radionuclide Production Cross Section 41.83 %



MAT 2025 (n,t):19-K -38m1 20-Ca-40
 Radionuclide Production Cross Section 1800 dth 31.55 %

