

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

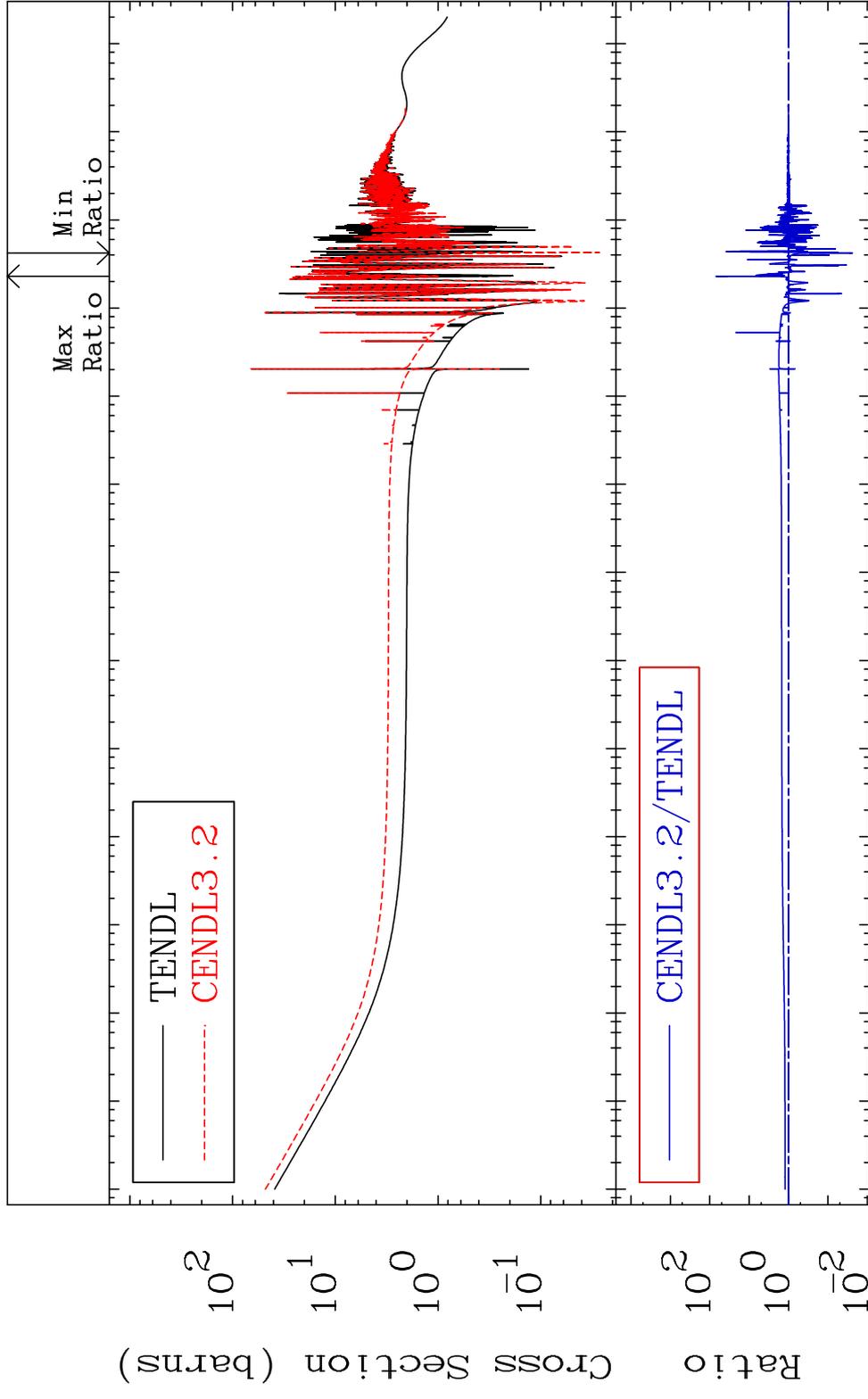
MAT 2025

Total

20-Ca-40

Cross Section

-97.62 To 6908. %



Ratio

1

Incident Energy (eV)

20-Ca-40

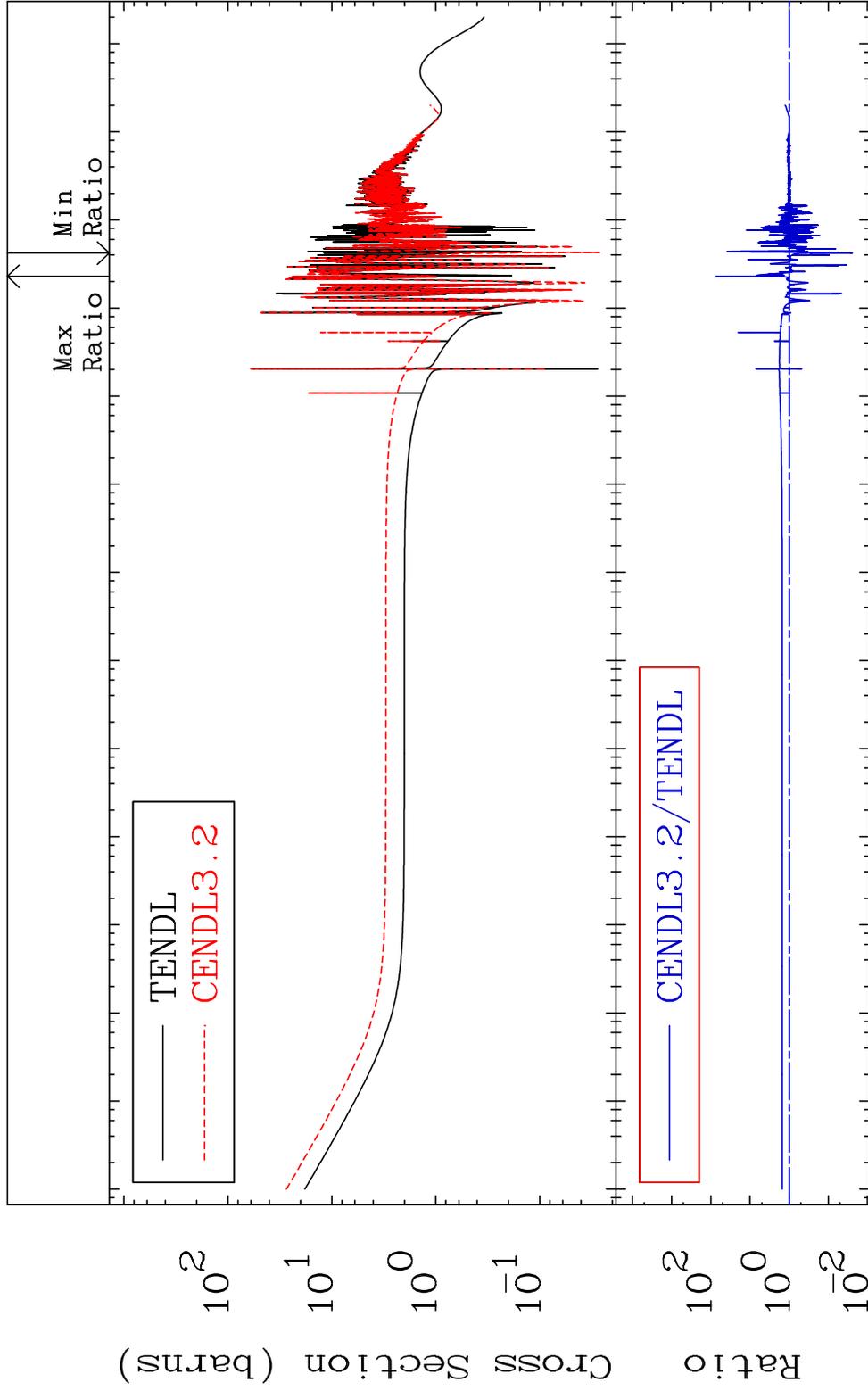
MAT 2025

Elastic

20-Ca-40

Cross Section

-97.59 To 7310. %

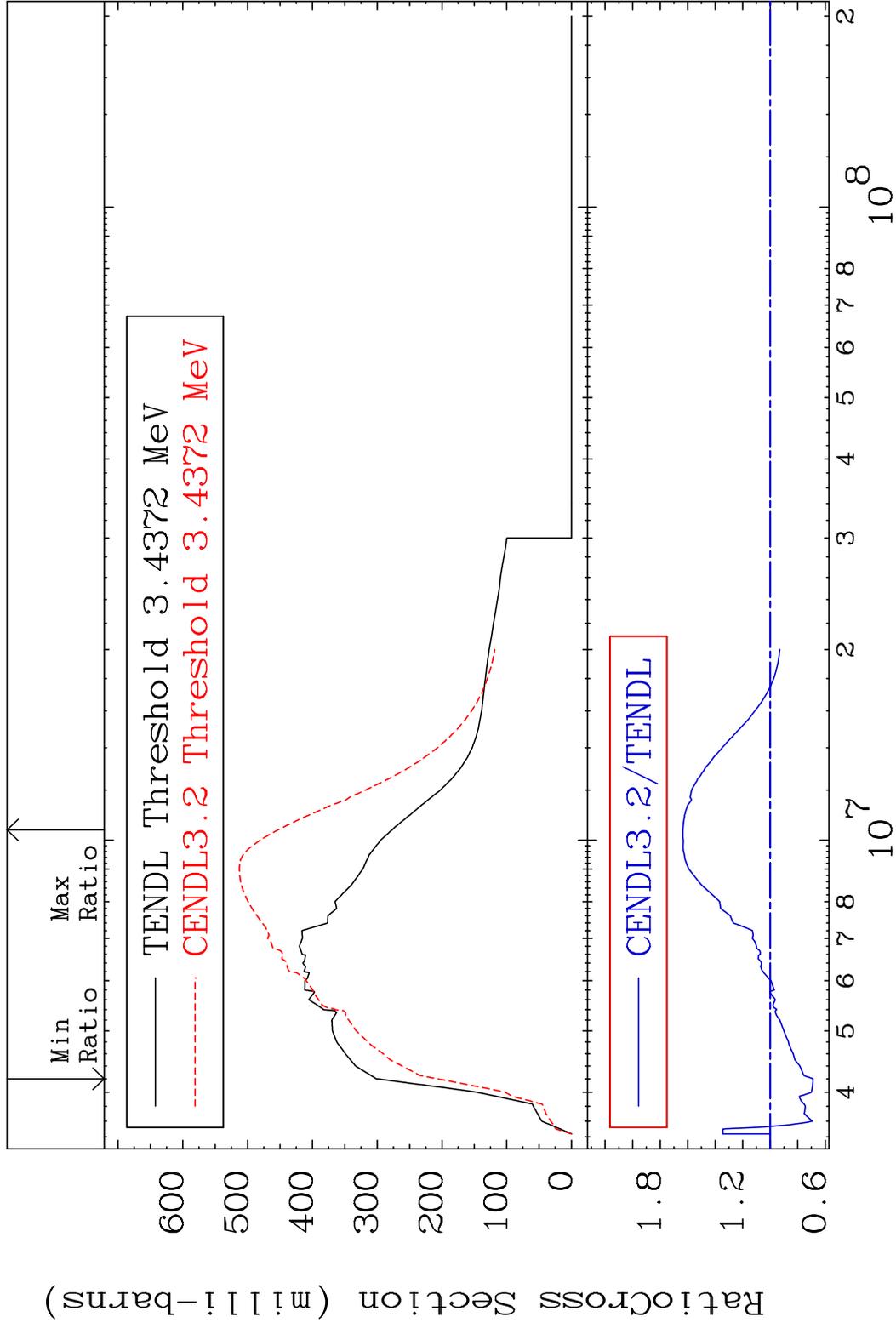


2

Incident Energy (eV)

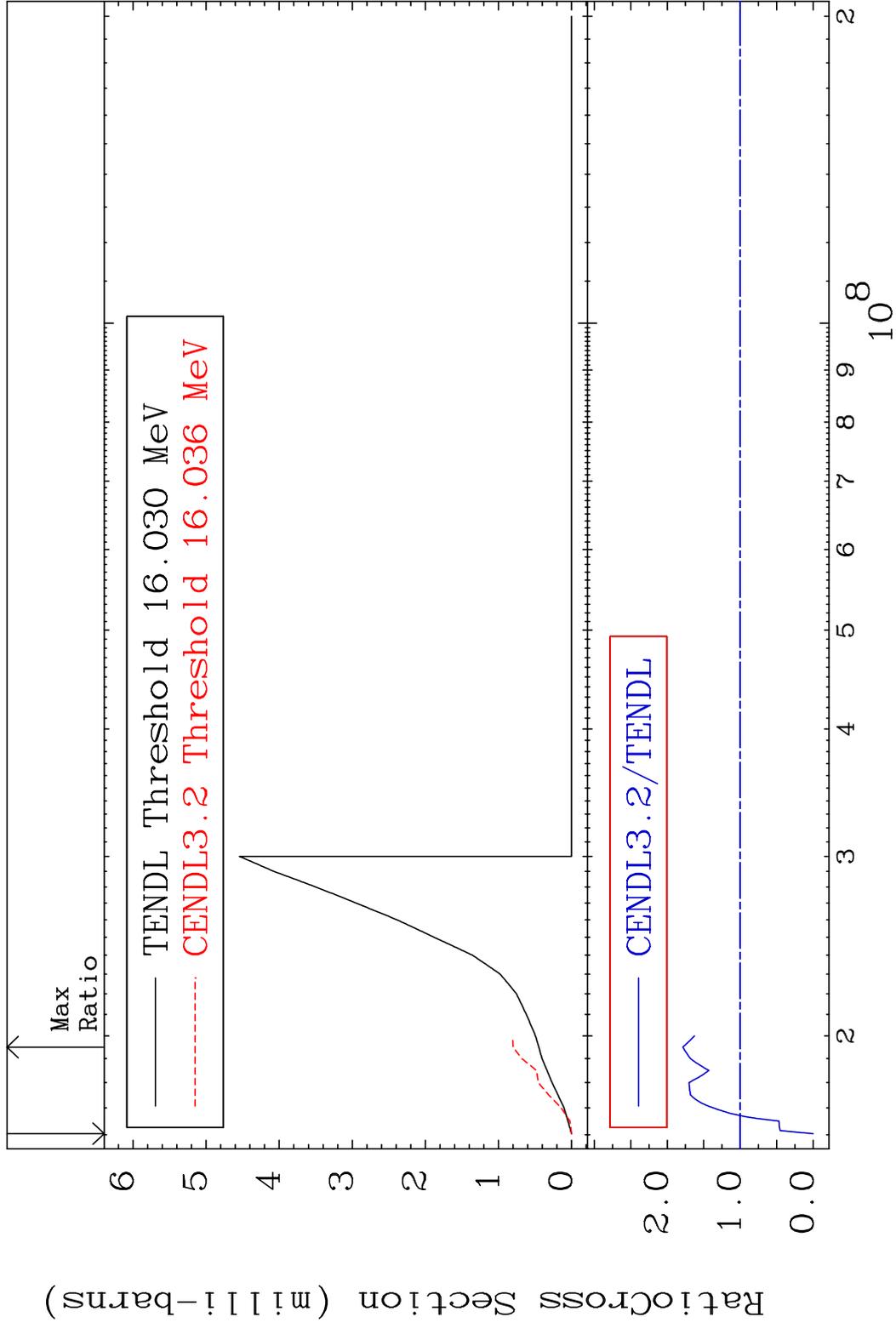
20-Ca-40

MAT 2025 Inelastic 20-Ca-40
 Cross Section -31.23 To 63.52 %



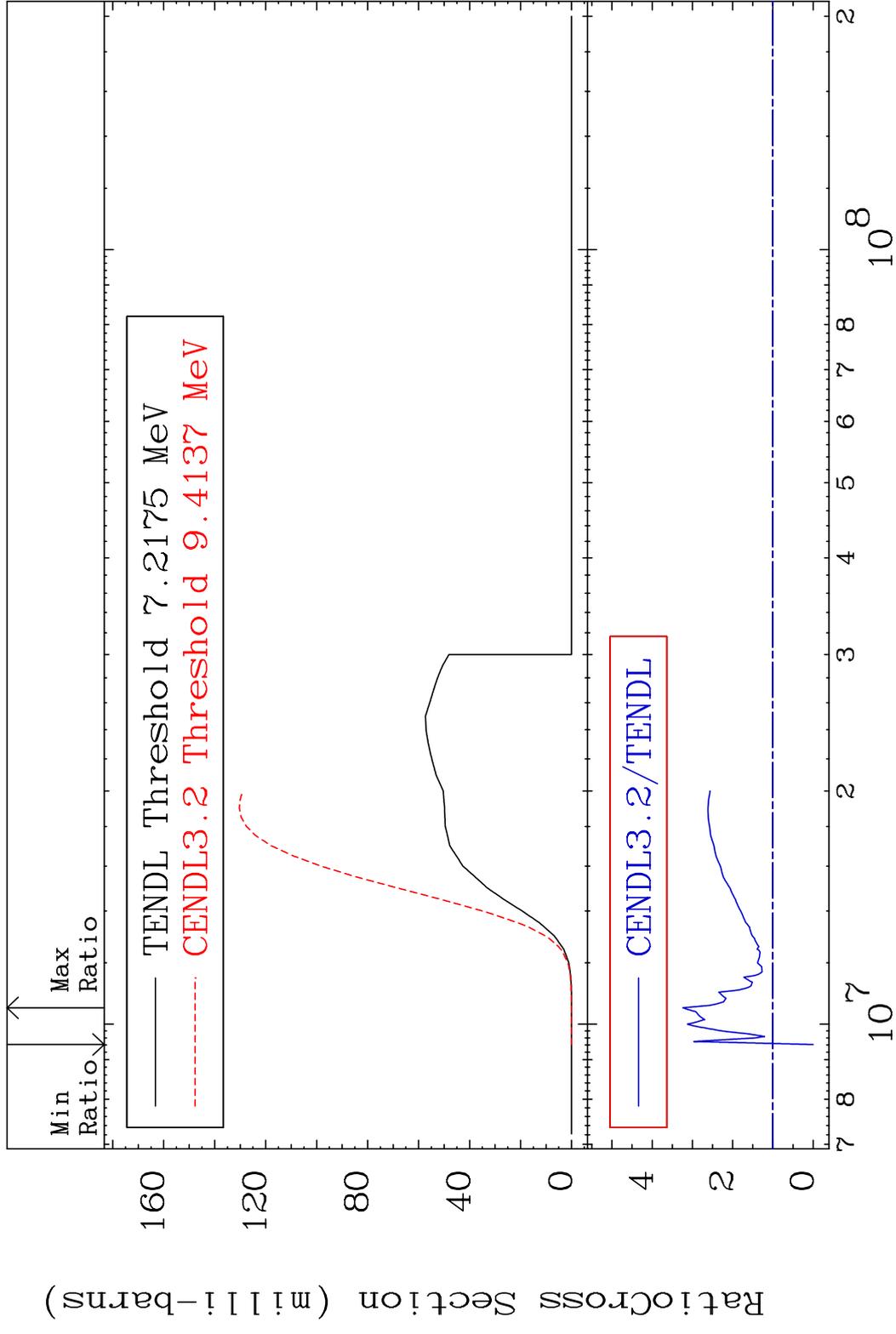
3 Incident Energy (eV) 20-Ca-40

MAT 2025 (n,2n) 20-Ca-40
 Cross Section -100.0 To 78.63 %



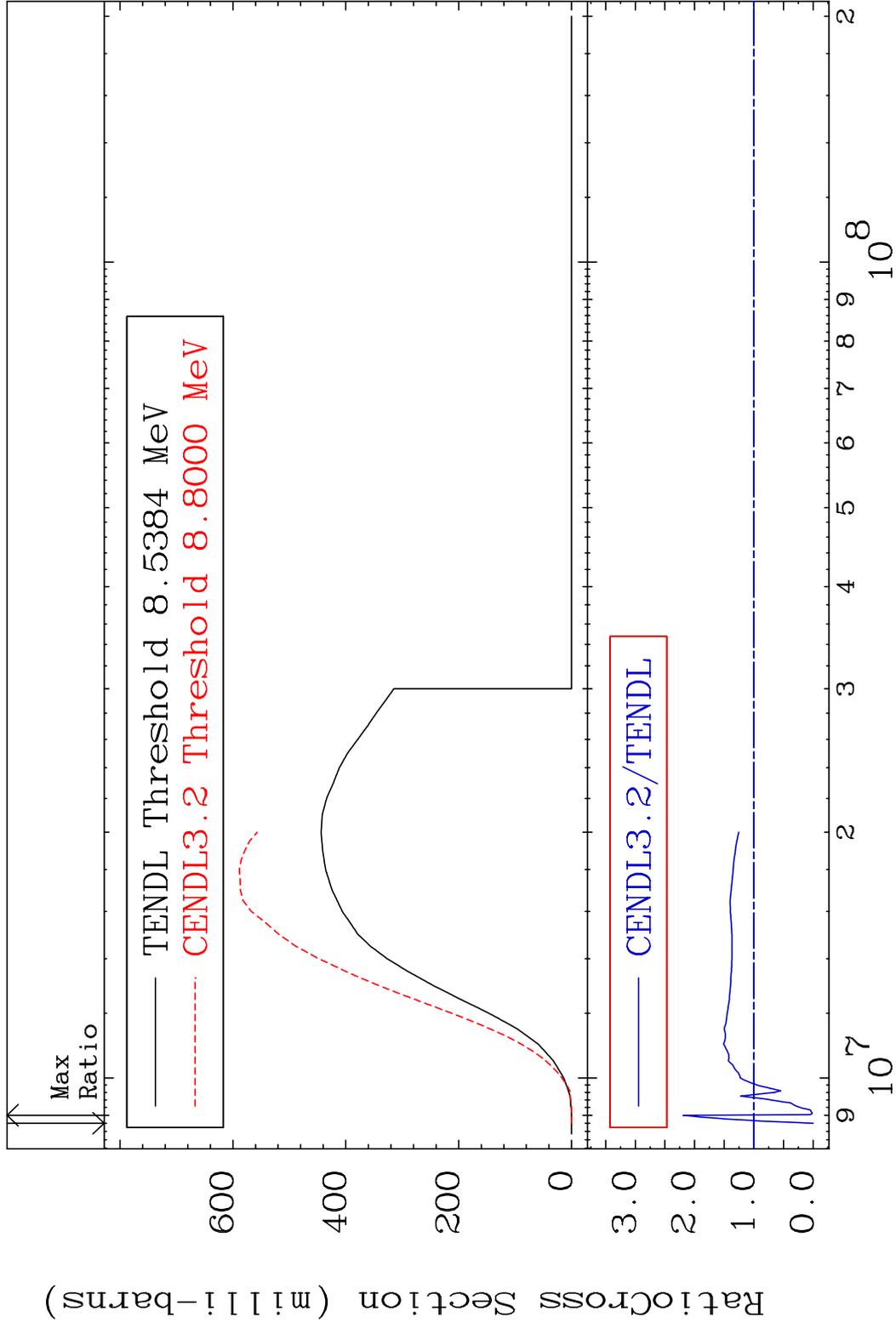
4 2

MAT 2025 (n, n') α 20-Ca-40
 Cross Section -100.0 To 223.8 %



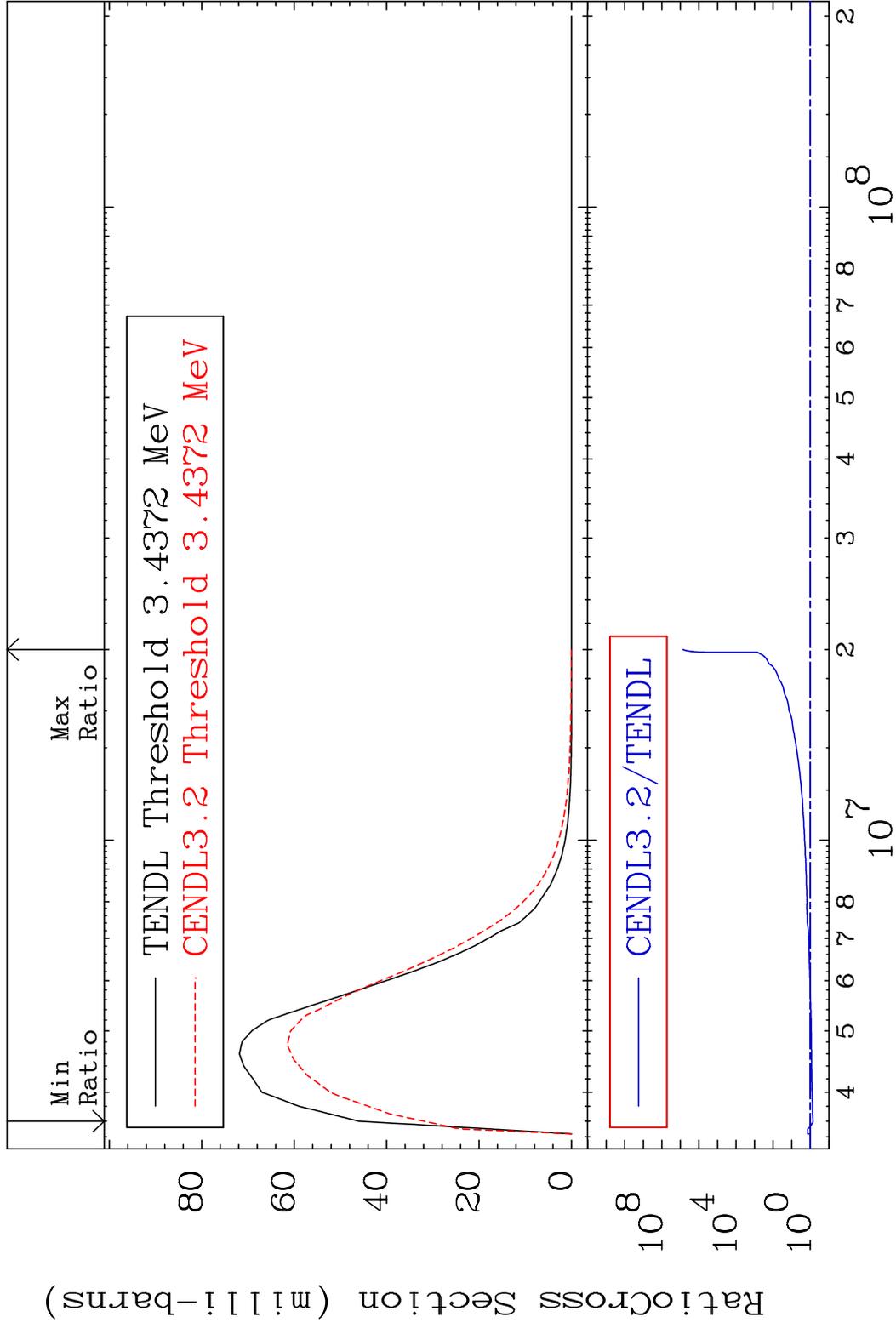
5 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2

MAT 2025 (n, n') p 20-Ca-40
 Cross Section -100.0 To 119.8 %



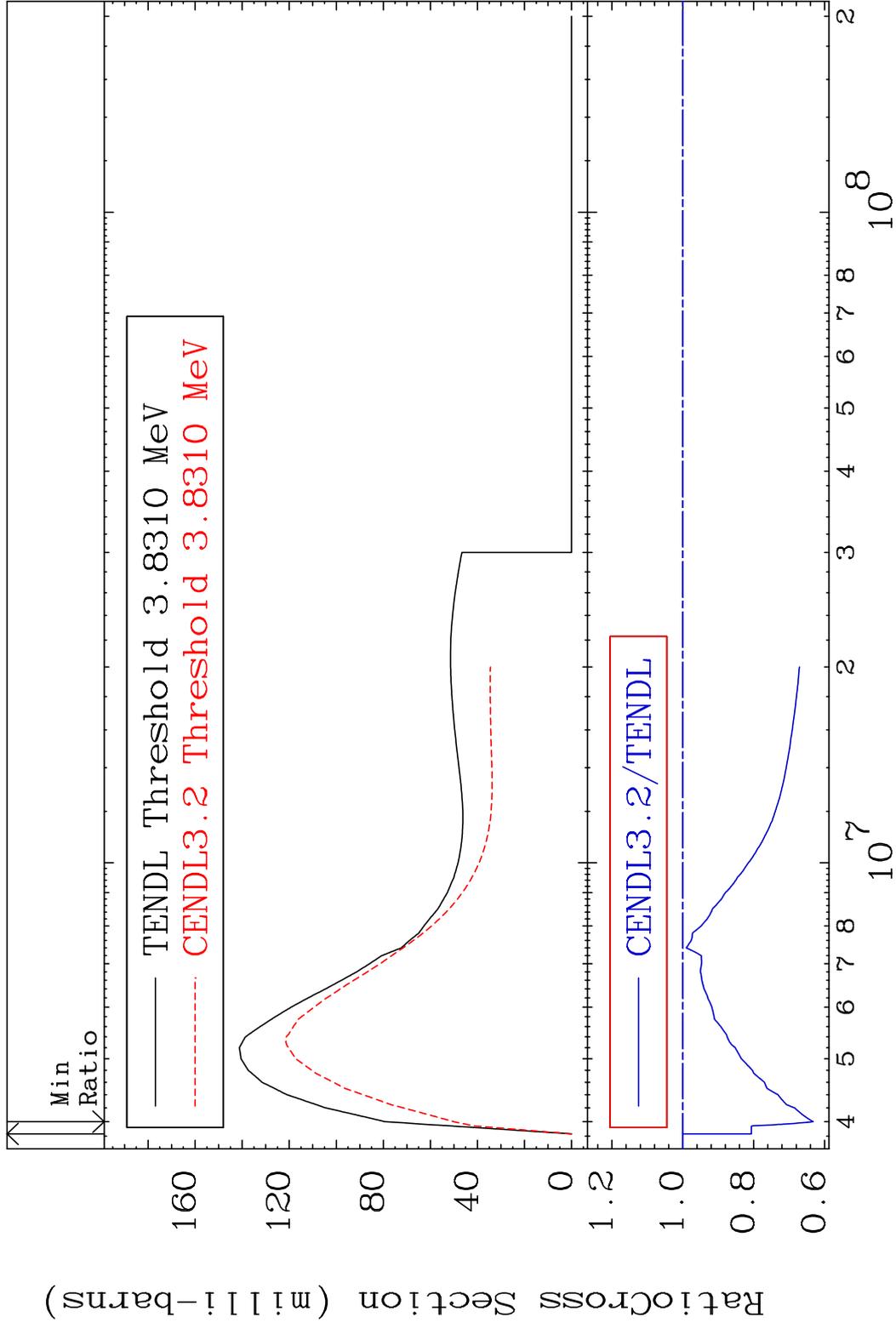
6 20-Ca-40

MAT 2025 MT= 51 (n,n') Level 20-Ca-40
 Cross Section -30.70 To 9999. %



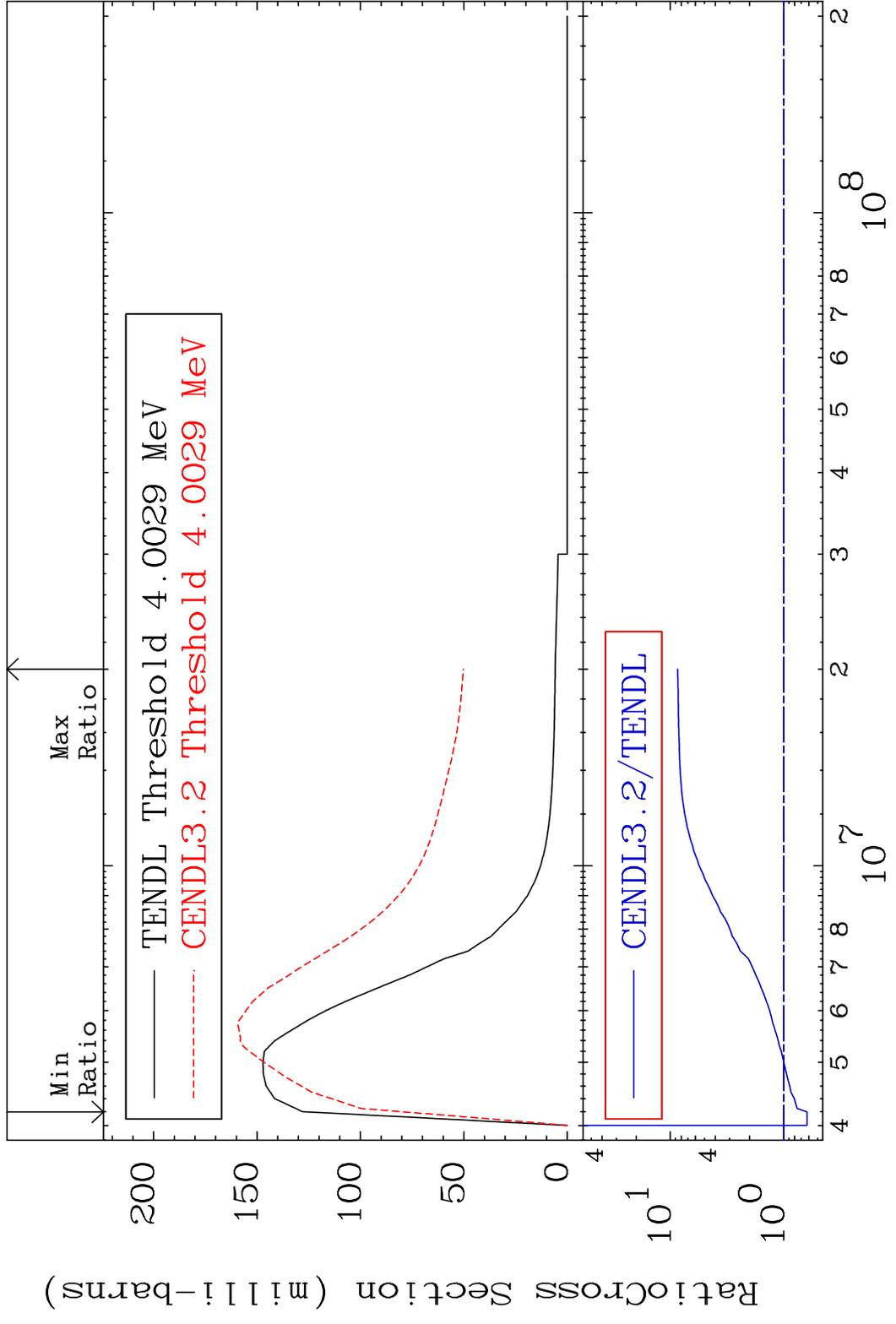
7 20-Ca-40

MAT 2025 MT= 52 (n,n') Level 20-Ca-40
 Cross Section -36.78 To 0.000 %



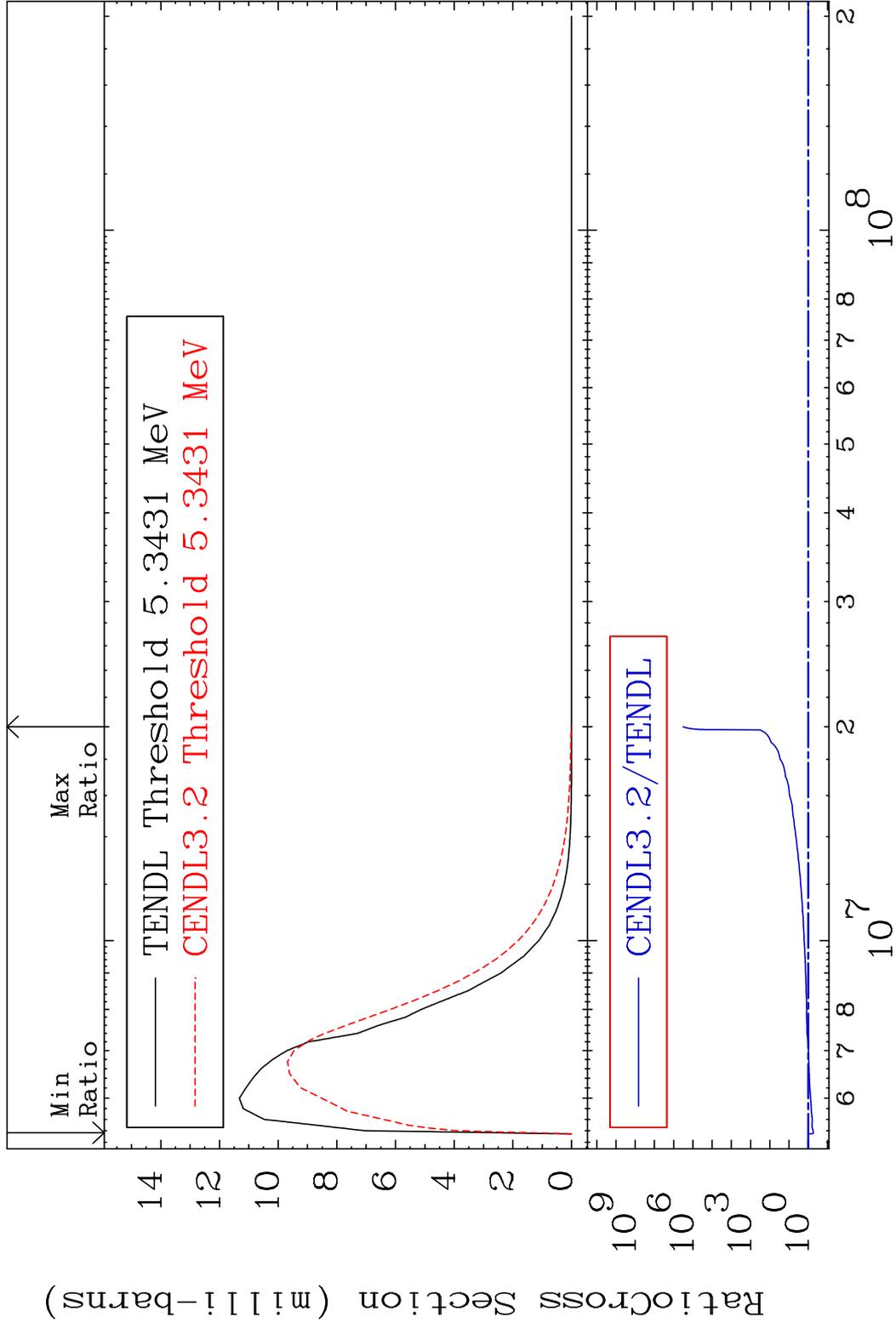
8 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 53 (n, n') Level 20-Ca-40
 Cross Section -37.79 To 760.9 %

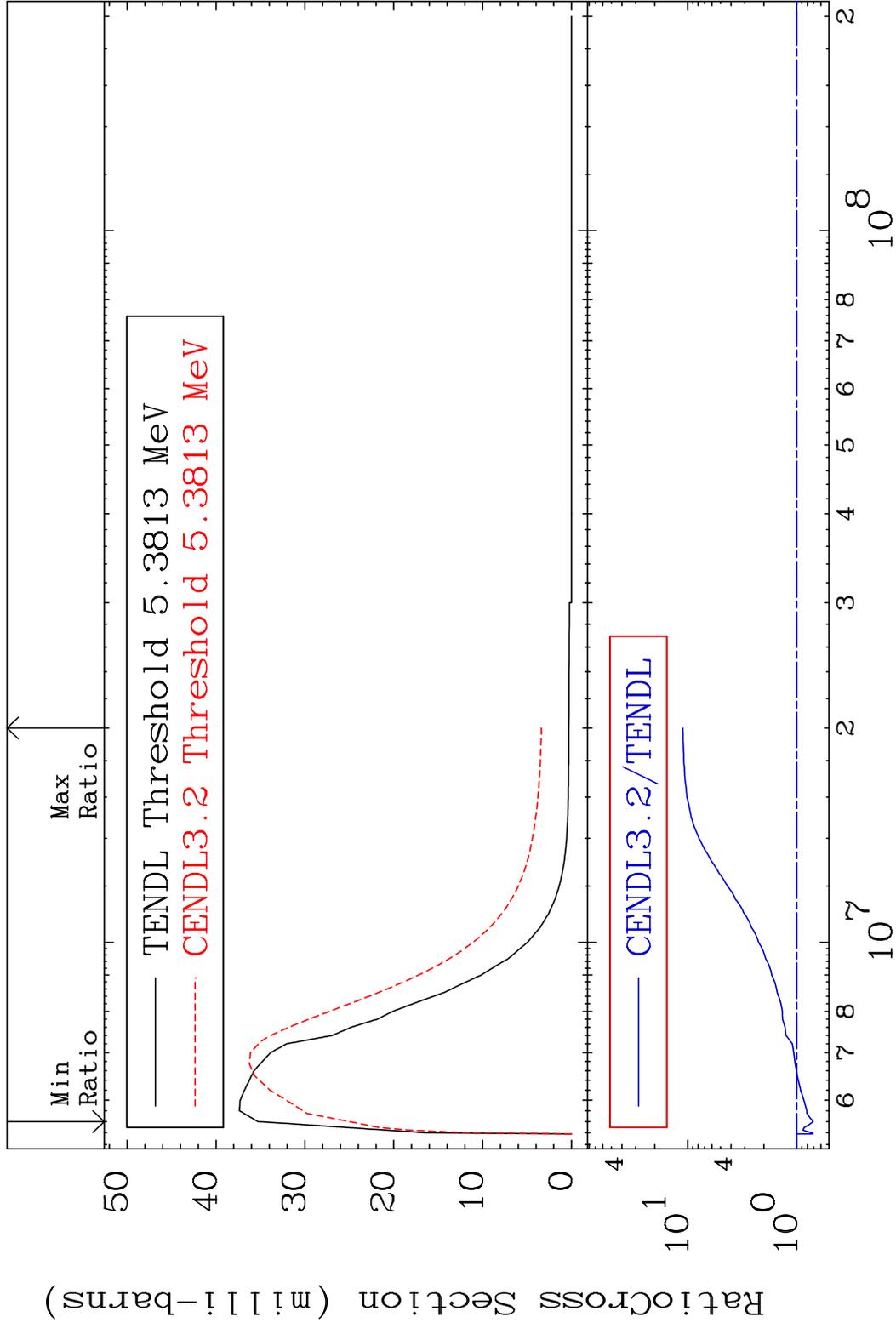


9 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 55 (n,n') Level 20-Ca-40
 Cross Section -44.24 To 9999. %

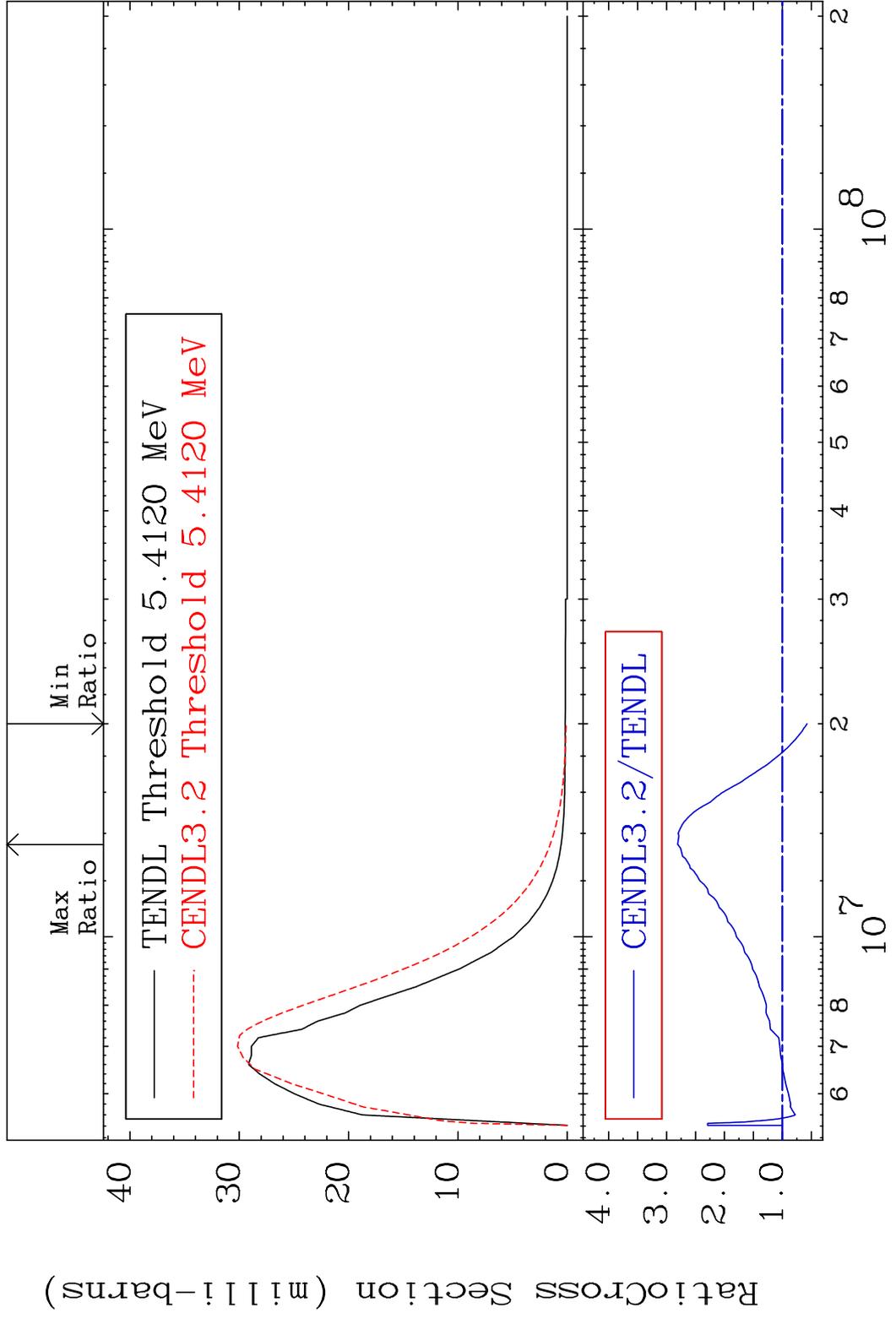


MAT 2025 MT= 56 (n,n') Level 20-Ca-40
 Cross Section -29.16 To 1007. %



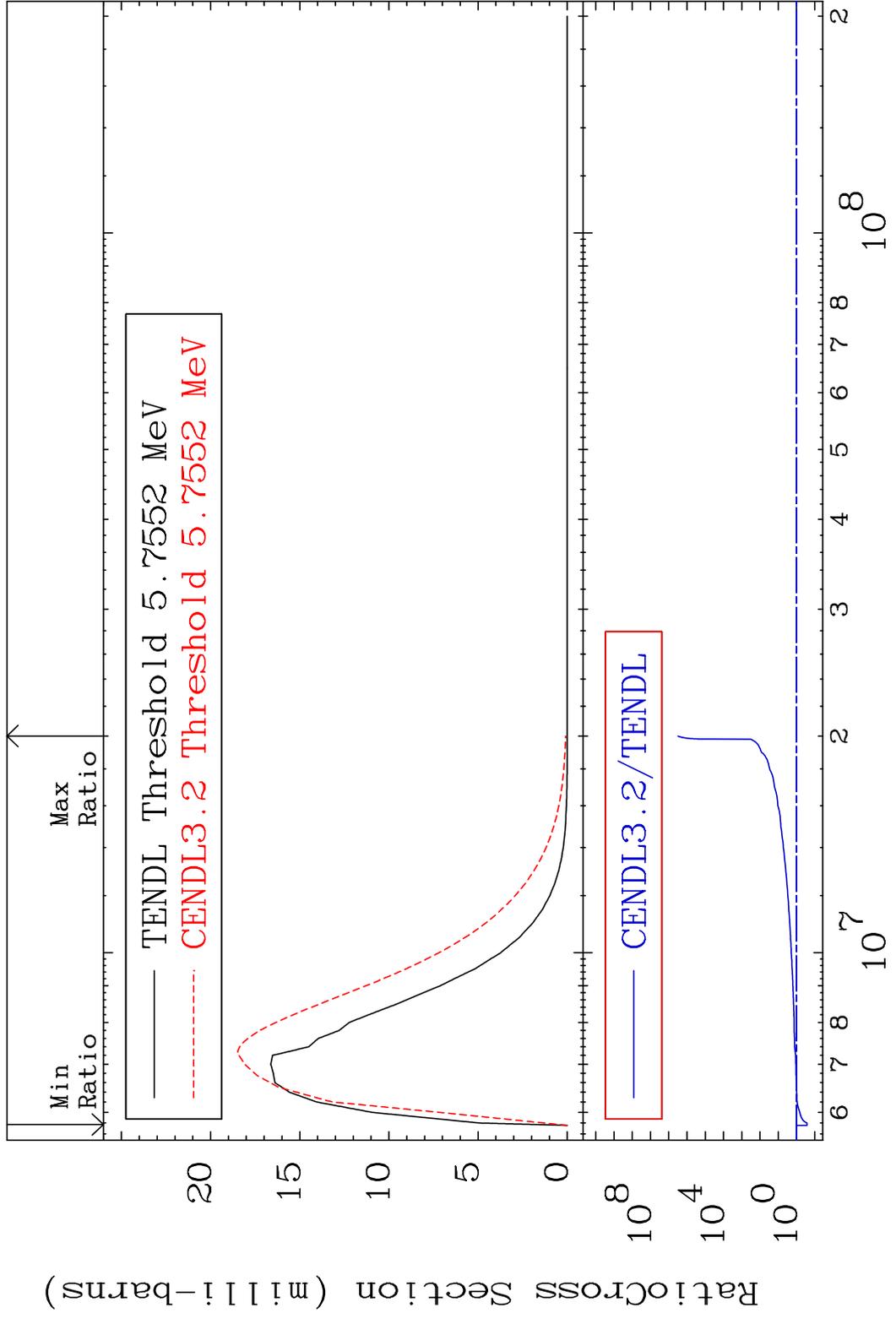
12 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 57 (n,n') Level 20-Ca-40
 Cross Section -42.60 To 180.8 %



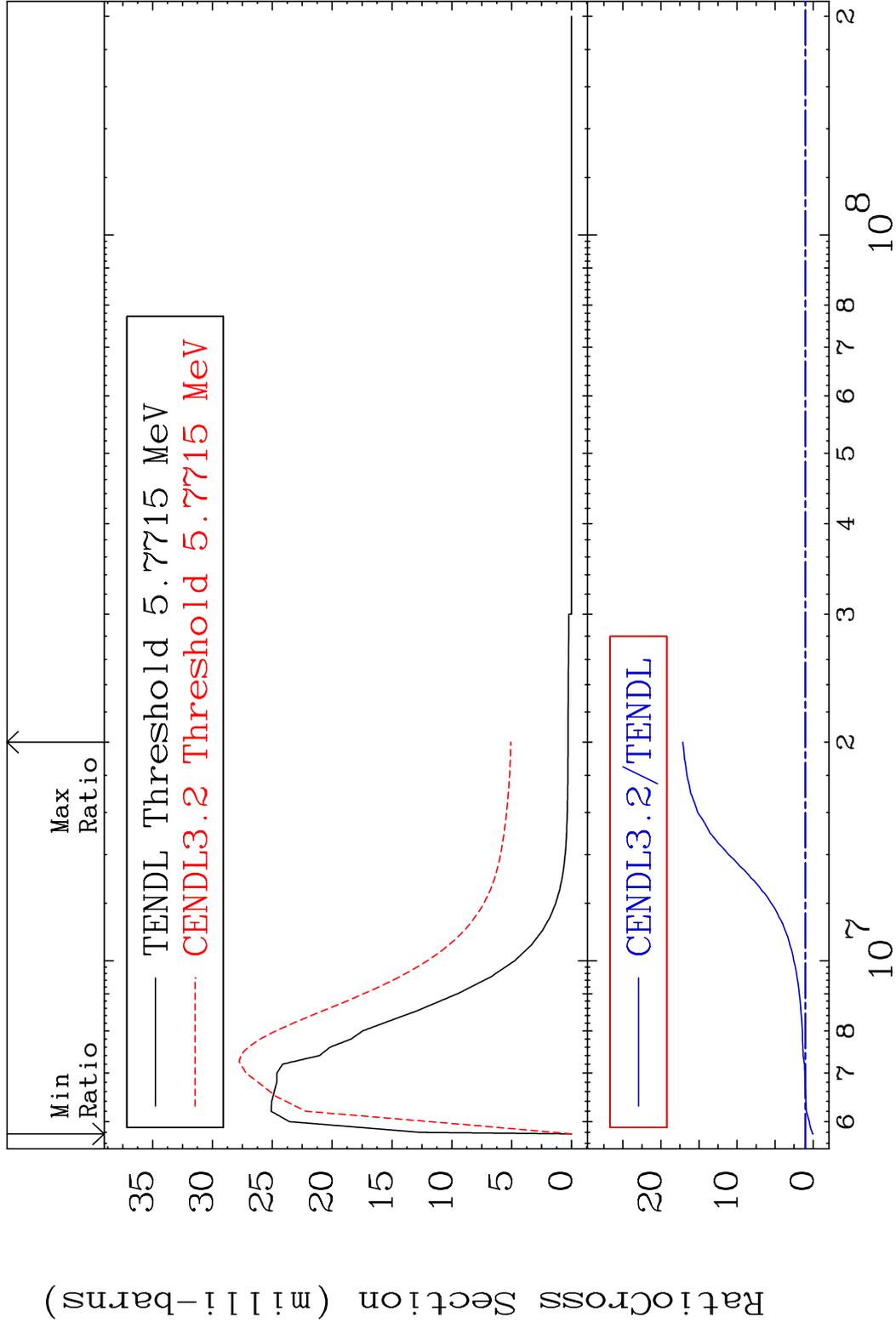
13 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 58 (n,n') Level 20-Ca-40
 Cross Section -73.39 To 9999. %



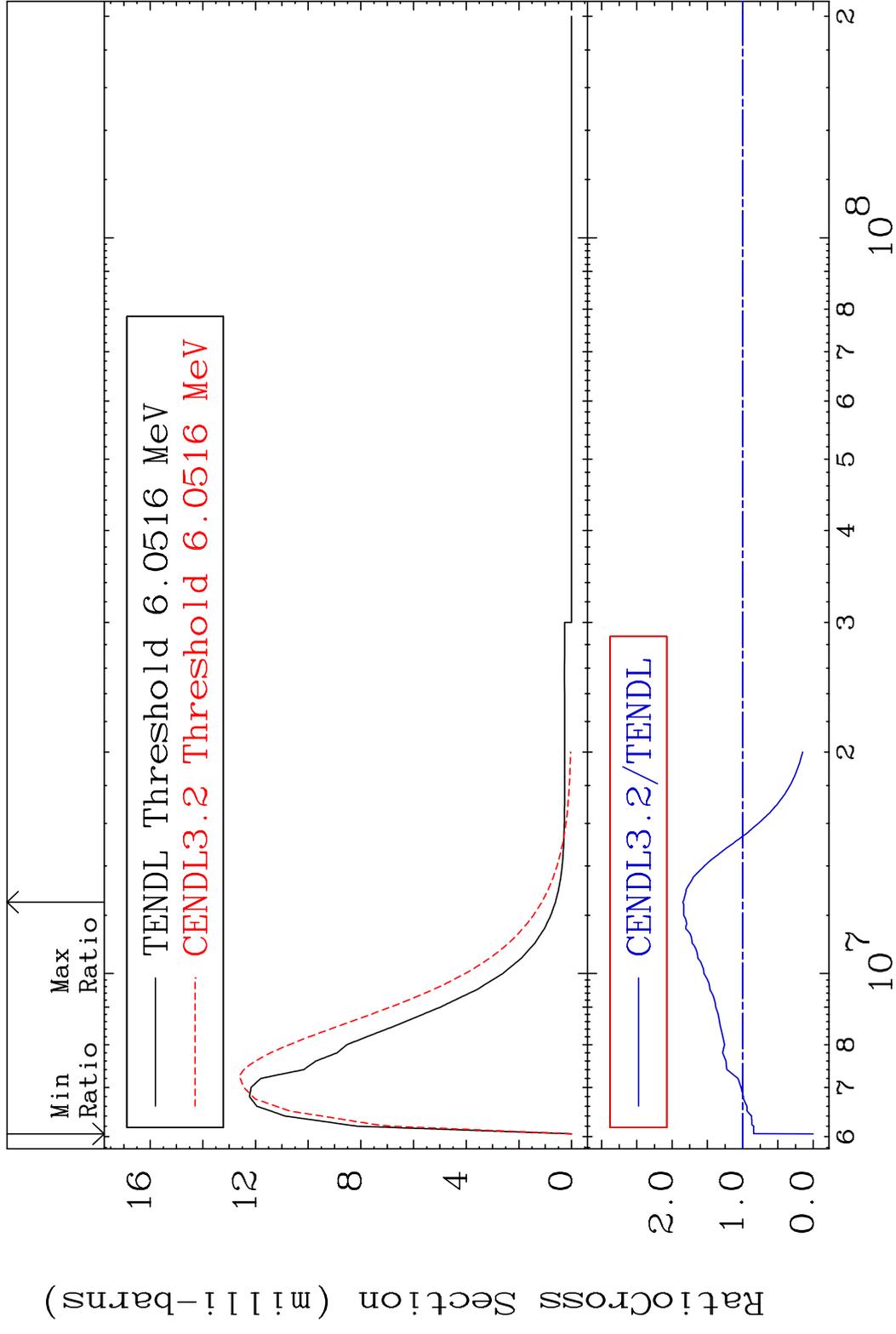
14 20-Ca-40

MAT 2025 MT= 59 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 1613. %



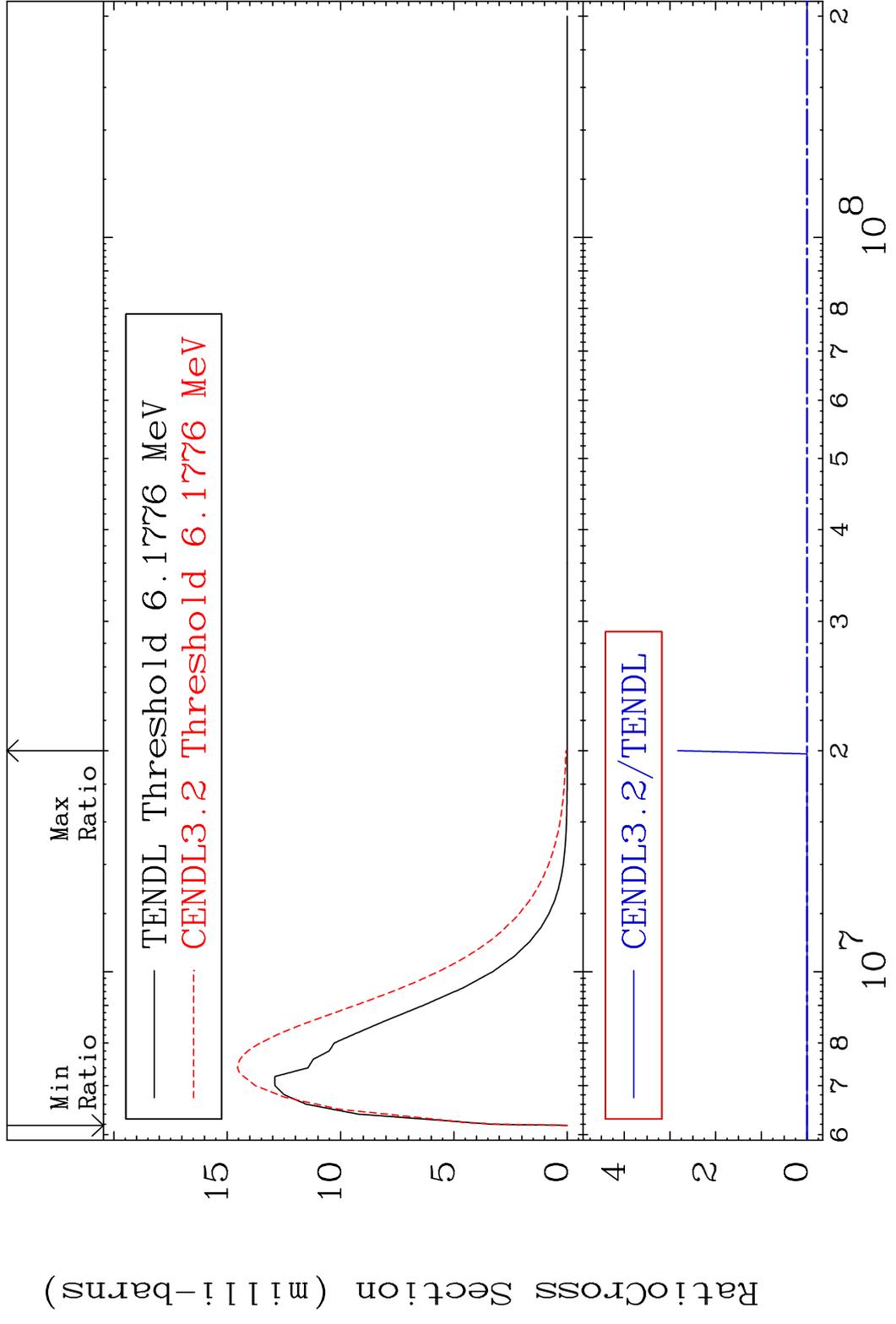
15 10 7 8 2 3 4 5 6 7 8 10 8 2

MAT 2025 MT= 60 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 84.79 %



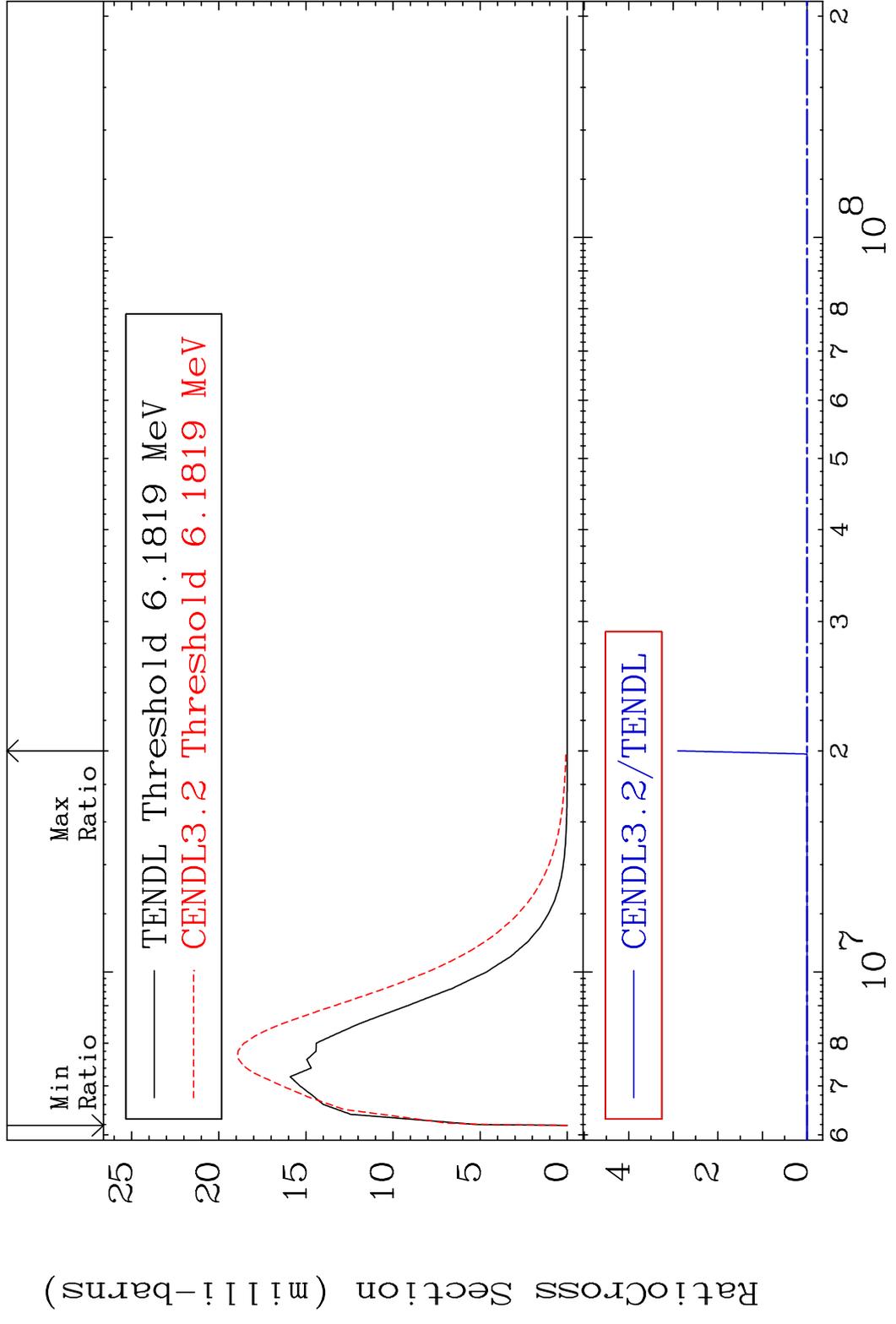
16 20-Ca-40

MAT 2025 MT= 61 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 9999. %



17 20-Ca-40

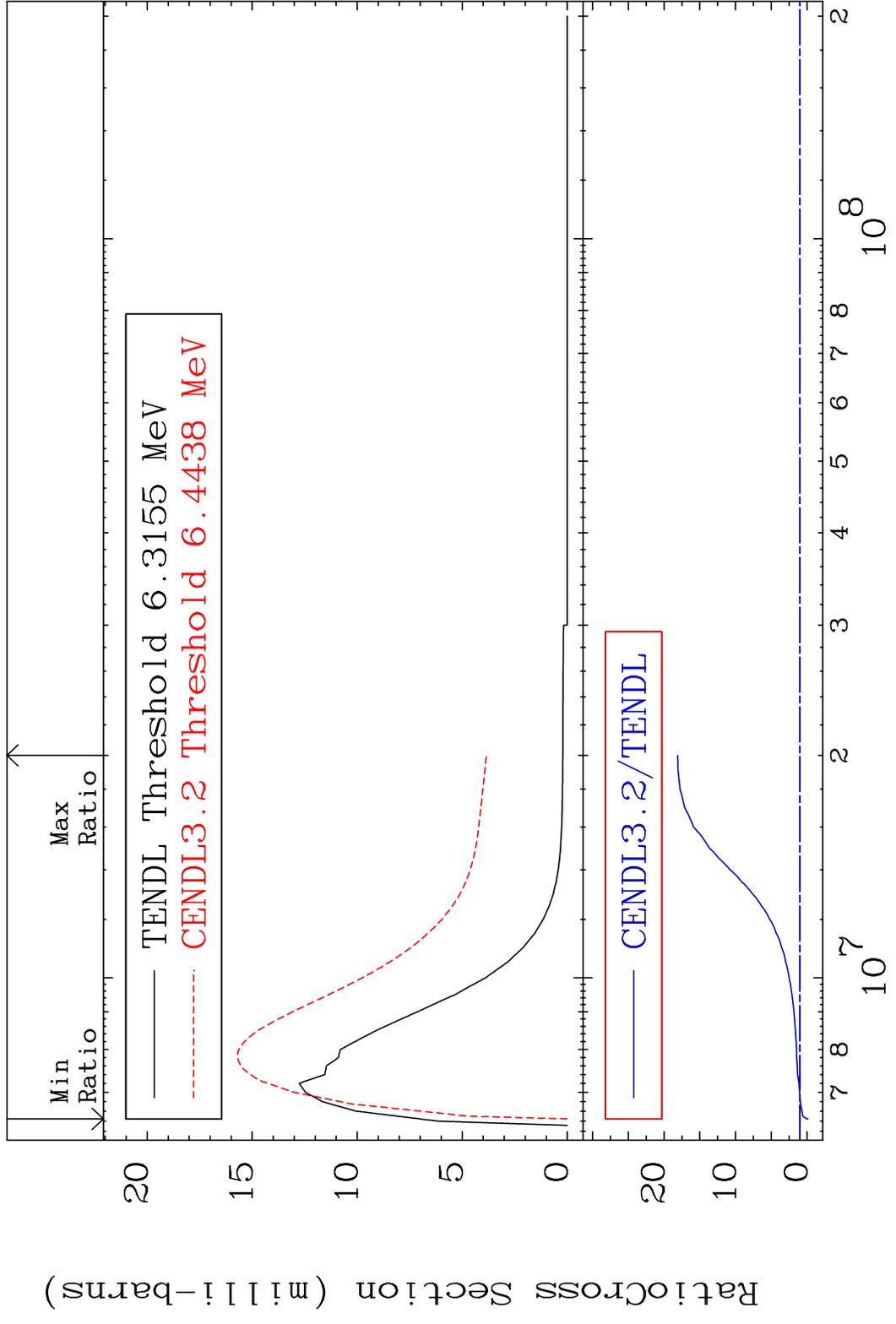
MAT 2025 MT= 62 (n, n') Level 20-Ca-40
 Cross Section -100.0 To 9999. %



18

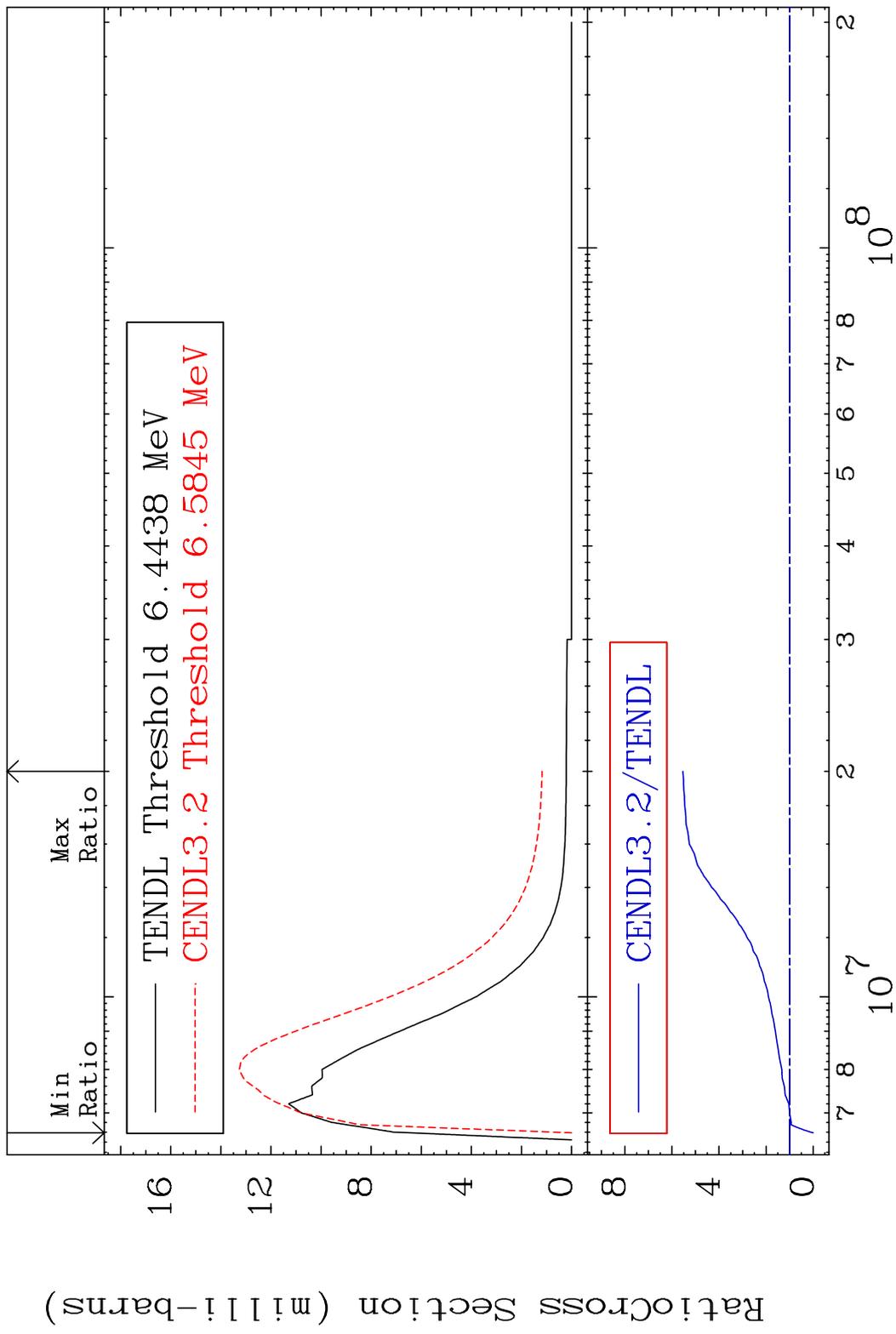
Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 63 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 1709. %

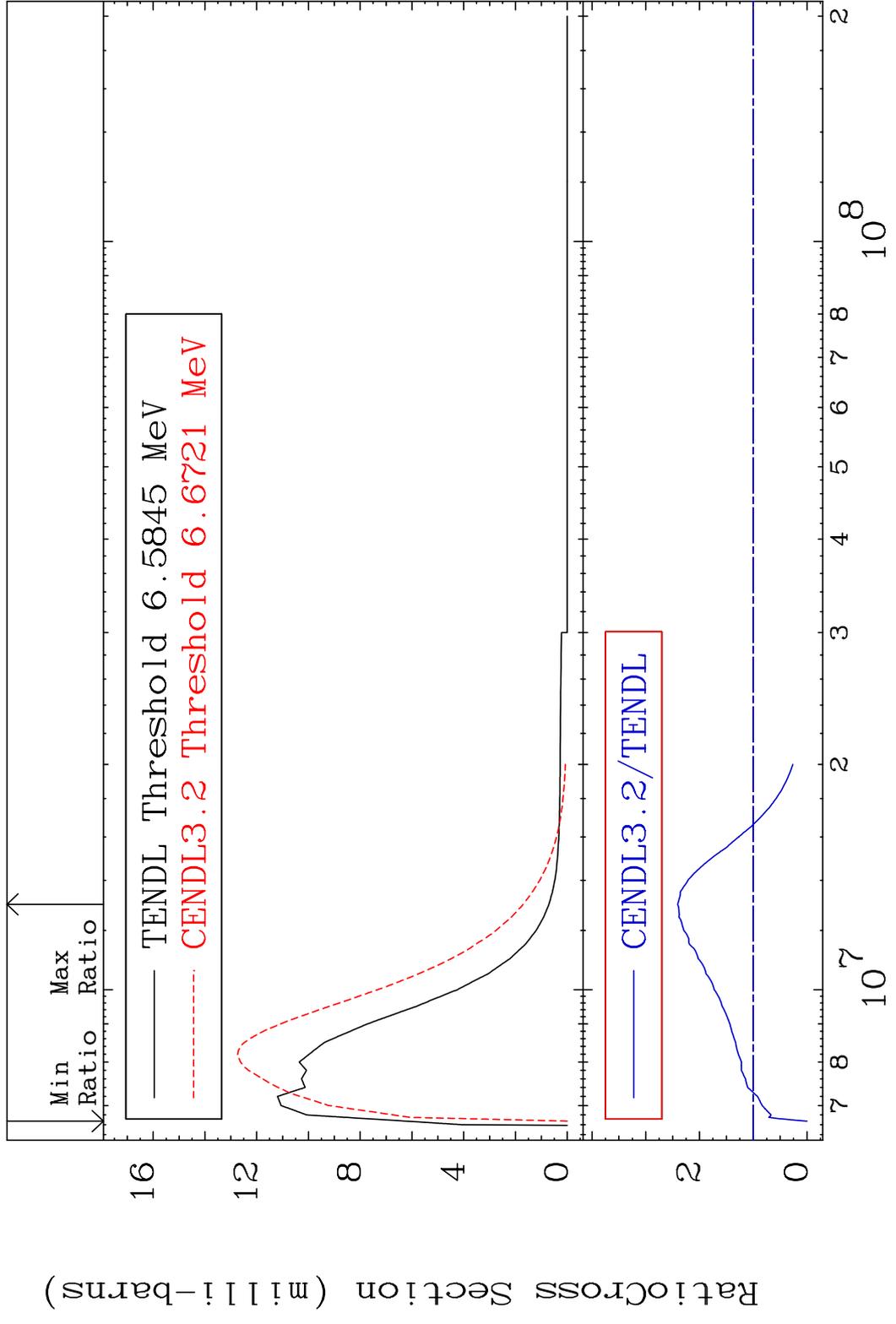


19 20-Ca-40

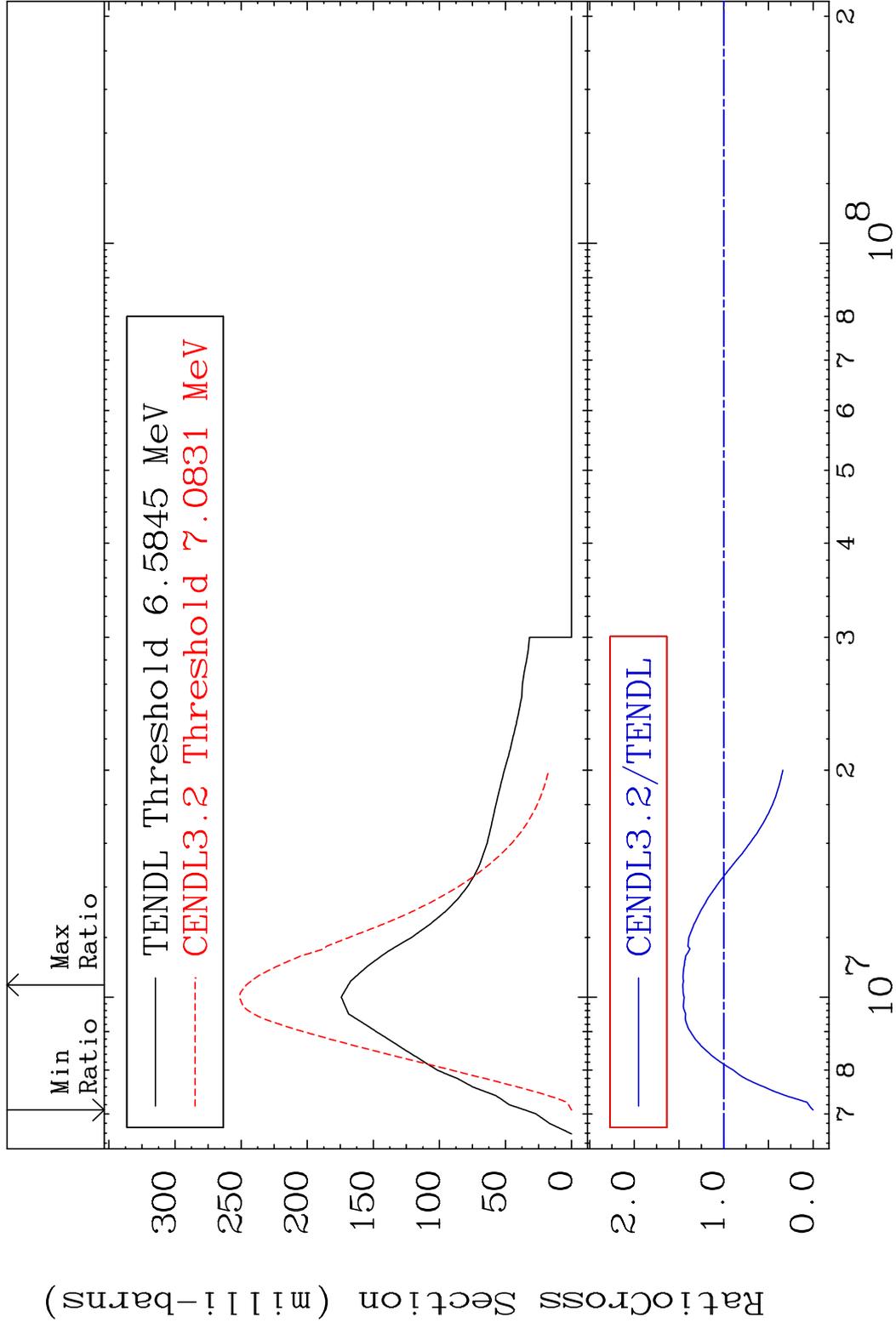
MAT 2025 MT= 64 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 453.9 %



MAT 2025 MT= 65 (n,n') Level 20-Ca-40
 Cross Section -100.0 To 140.6 %

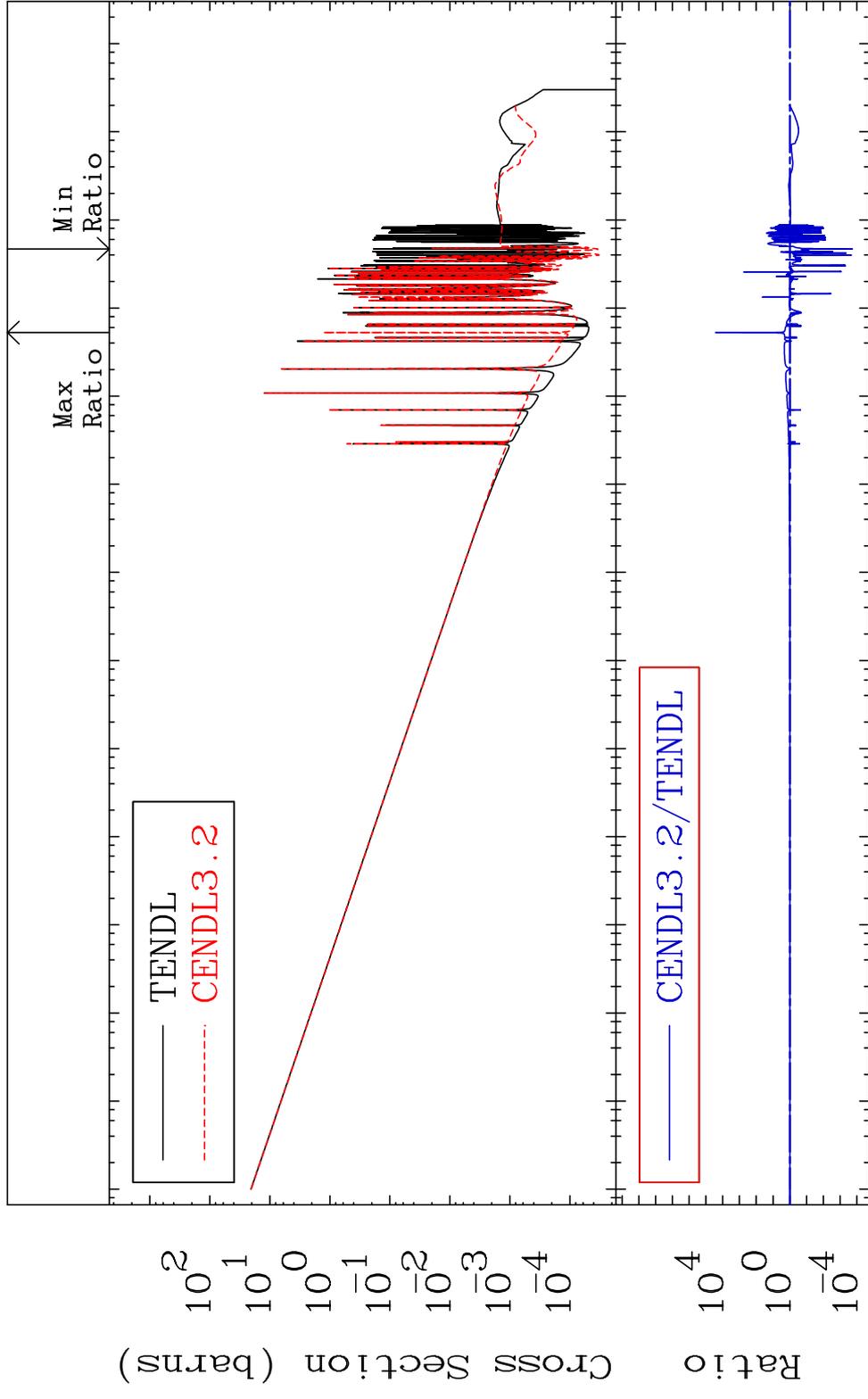


MAT 2025 (n,n') Continuum 20-Ca-40
 Cross Section -100.0 To 45.76 %



MAT 2025

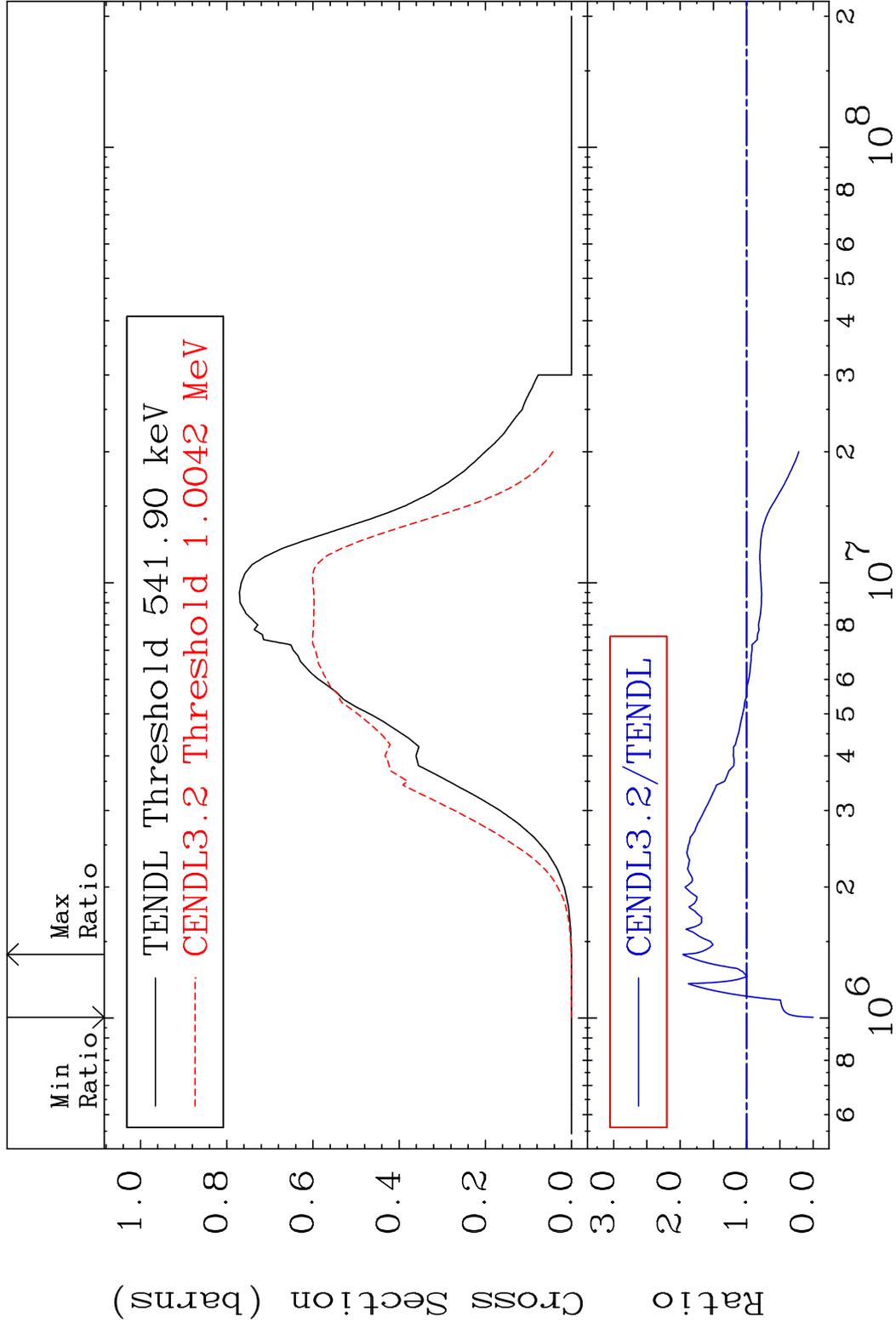
(n, γ)
Cross Section -99.98 To 9999. %
20-Ca-40



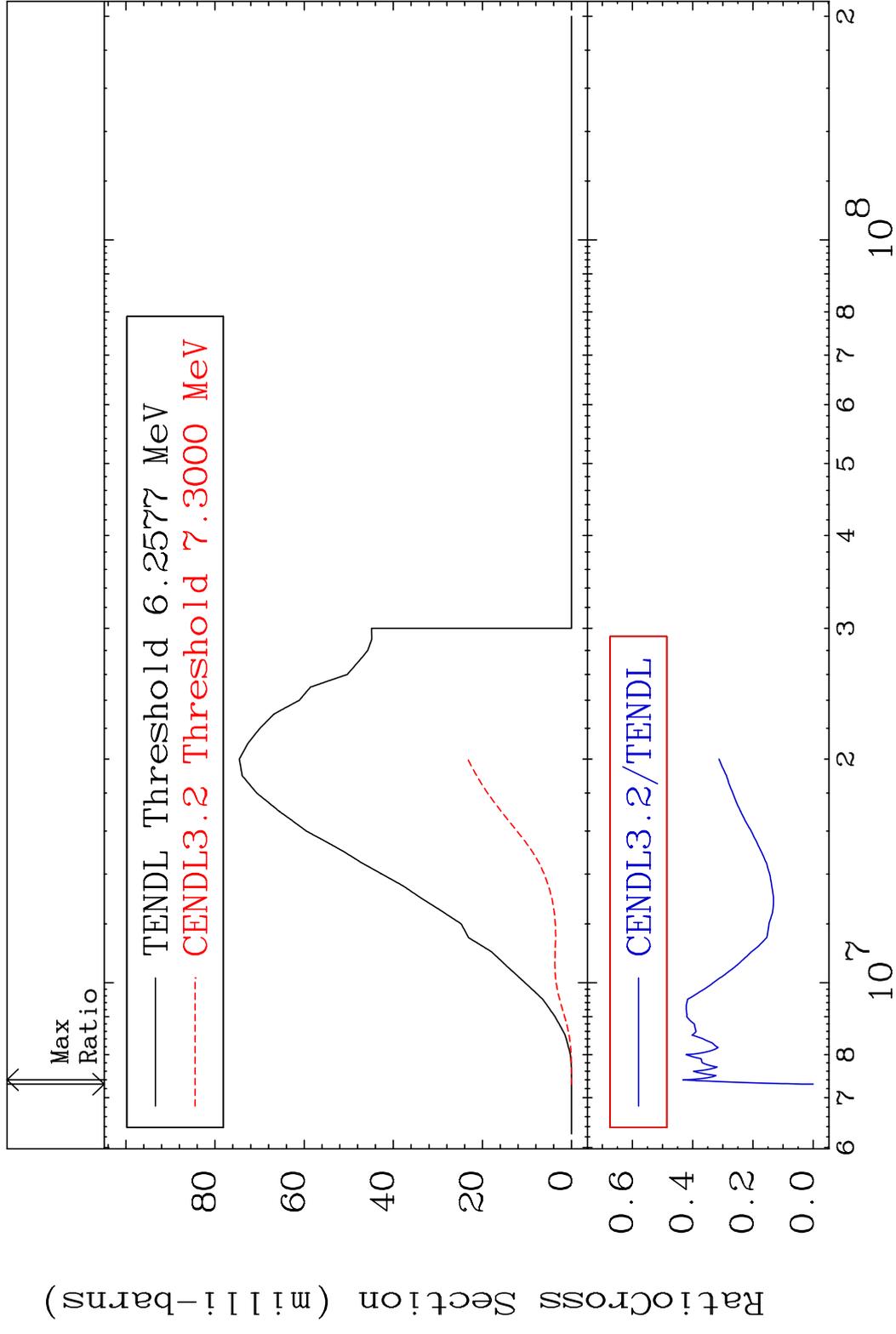
23

Incident Energy (eV) 20-Ca-40

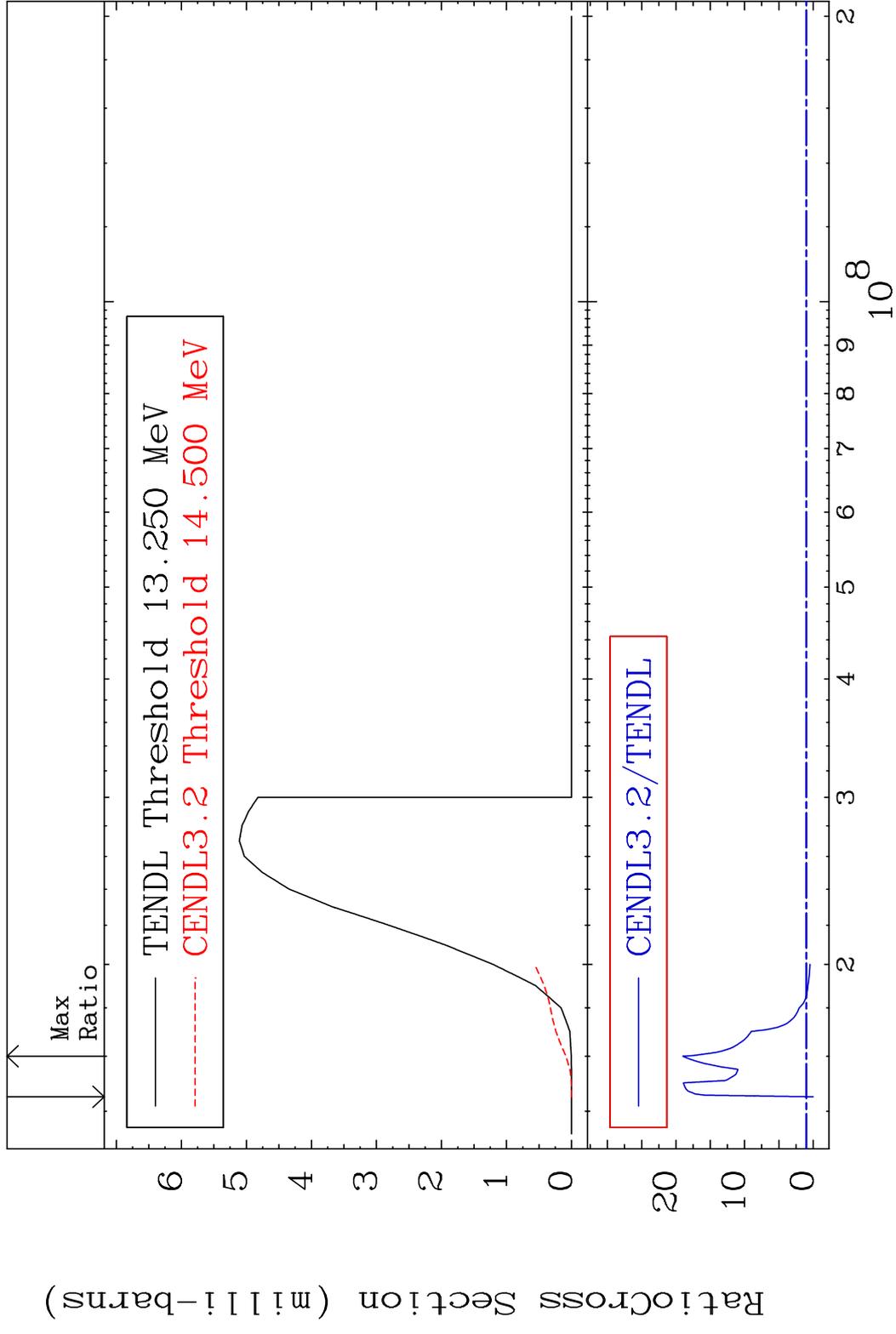
MAT 2025 (n,p) 20-Ca-40
 Cross Section -100.0 To 95.92 %



MAT 2025 (n,d) 20-Ca-40
 Cross Section -100.0 To -56.74%



MAT 2025 (n, t) 20-Ca-40
 Cross Section -100.0 To 1800. %

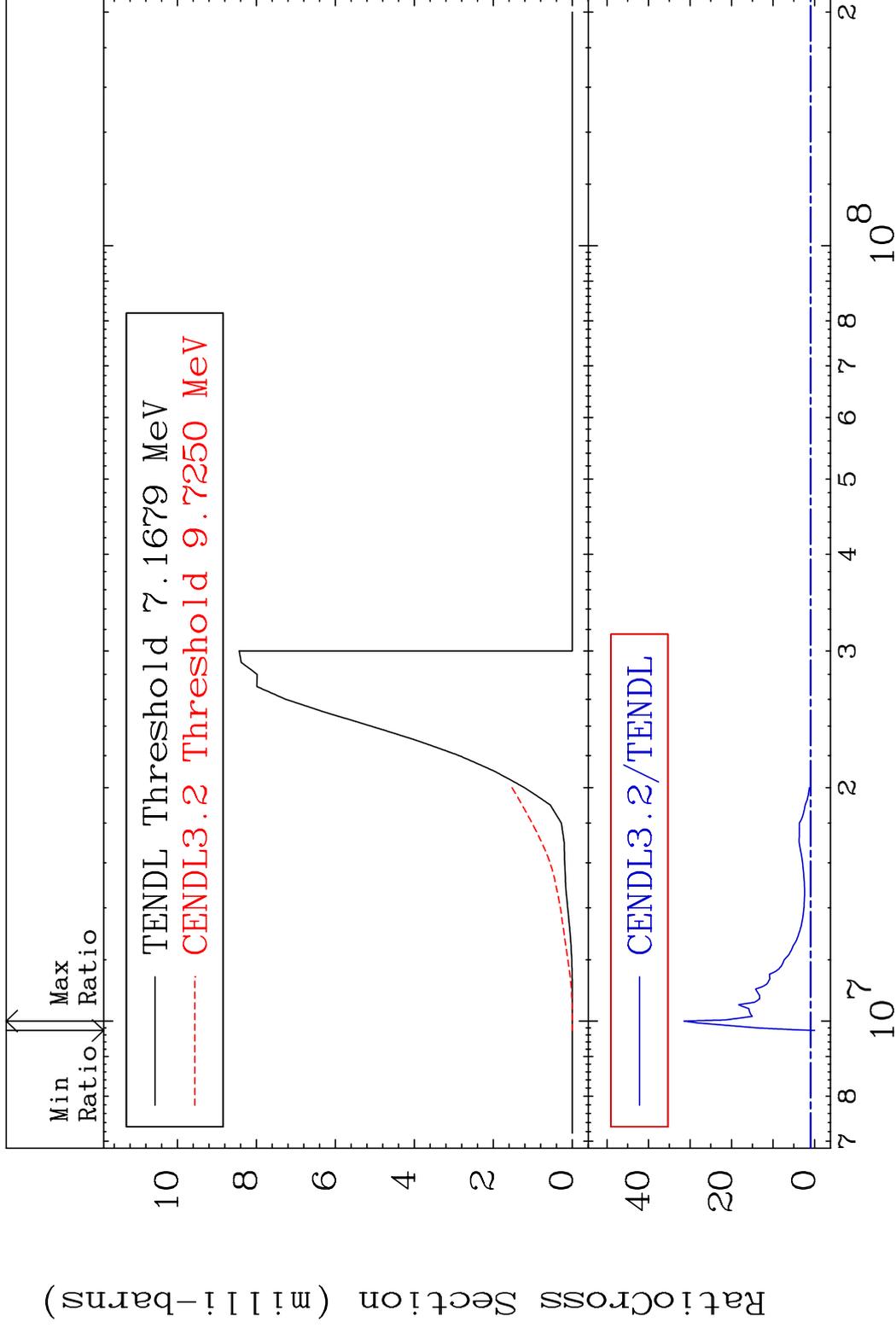


MAT 2025

(n, He-3)

20-Ca-40

Cross Section -100.0 To 3047. %



27

Incident Energy (eV)

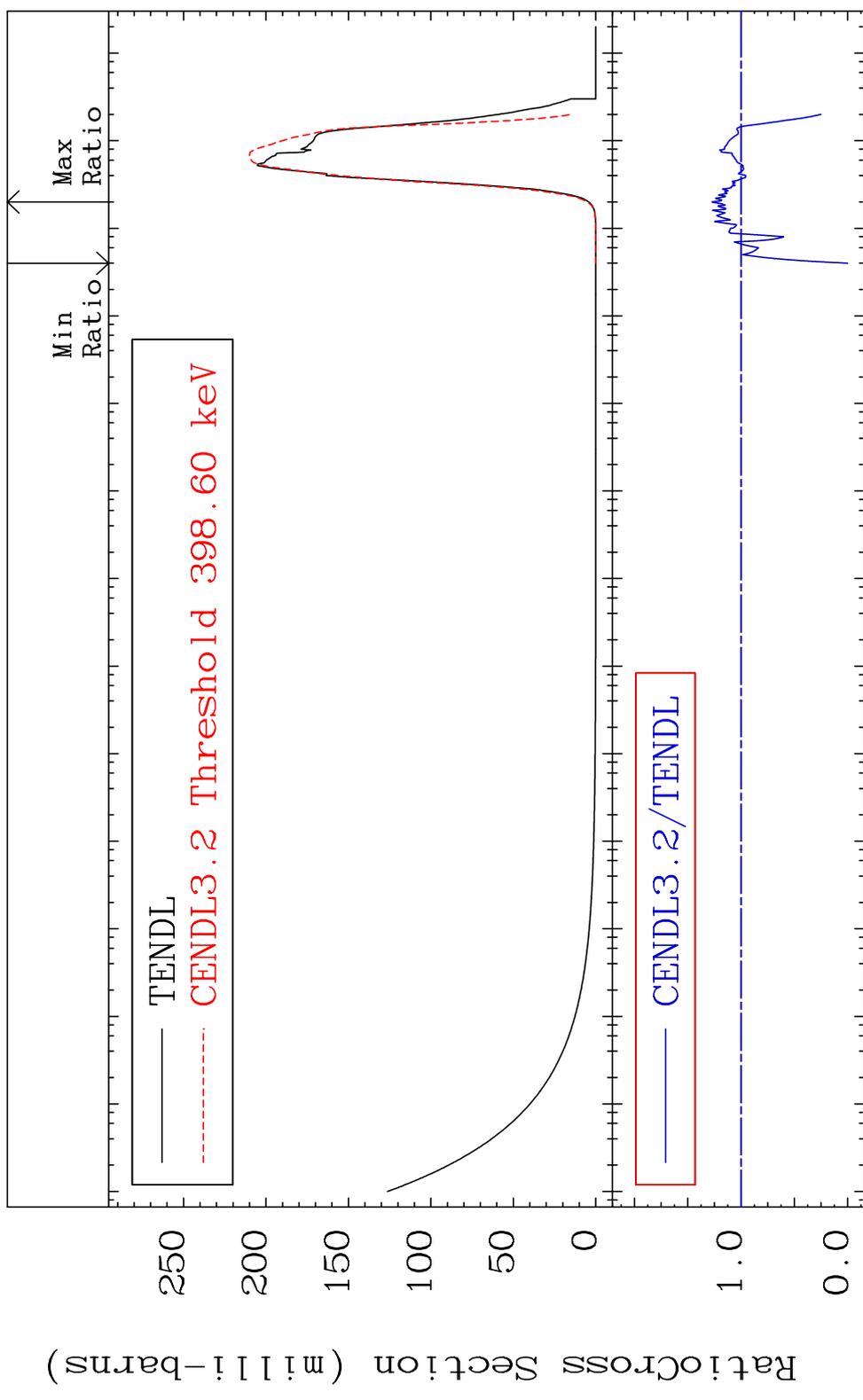
20-Ca-40

MAT 2025

(n, α)

20-Ca-40

Cross Section -100.0 To 27.42 %

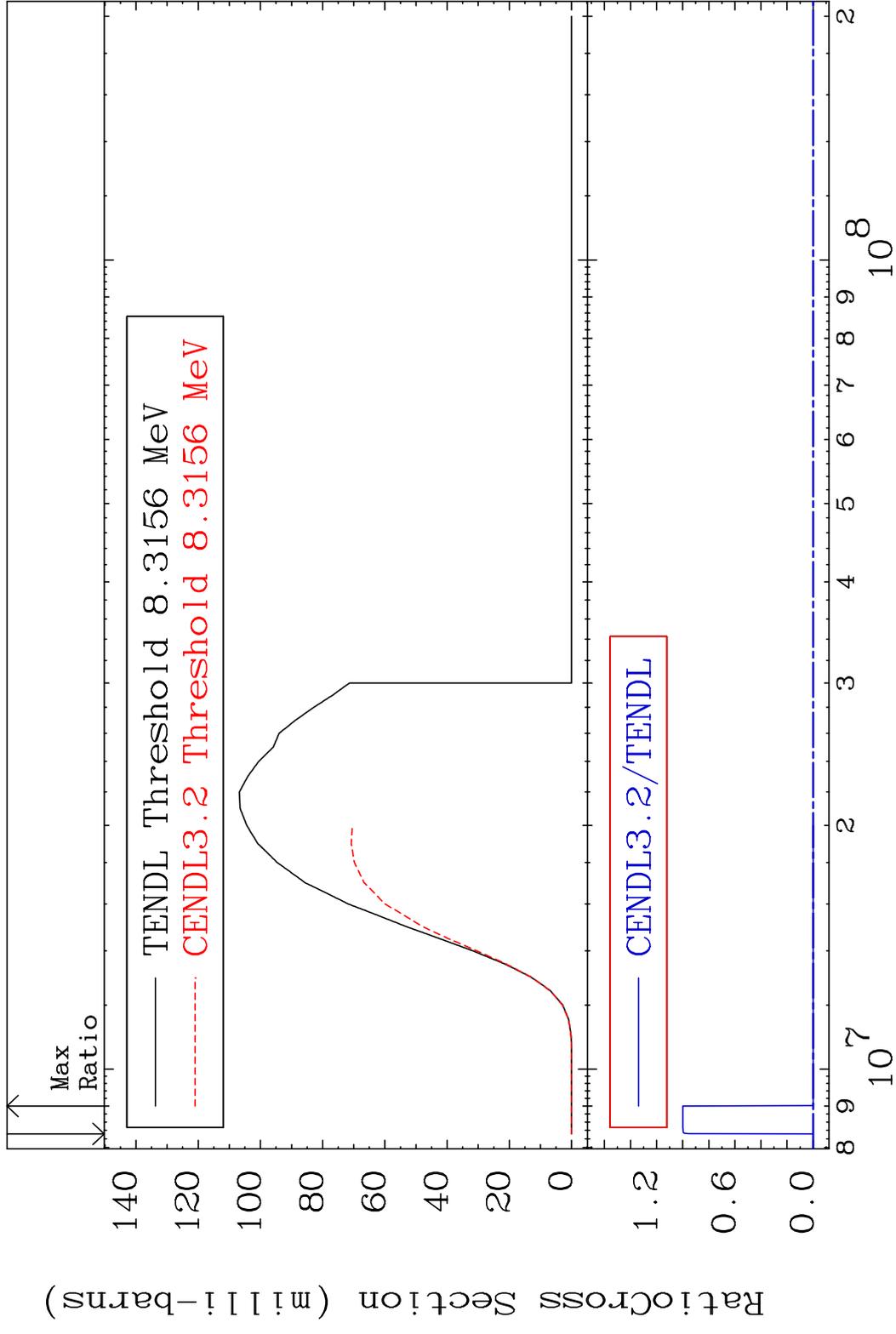


28

Incident Energy (eV)

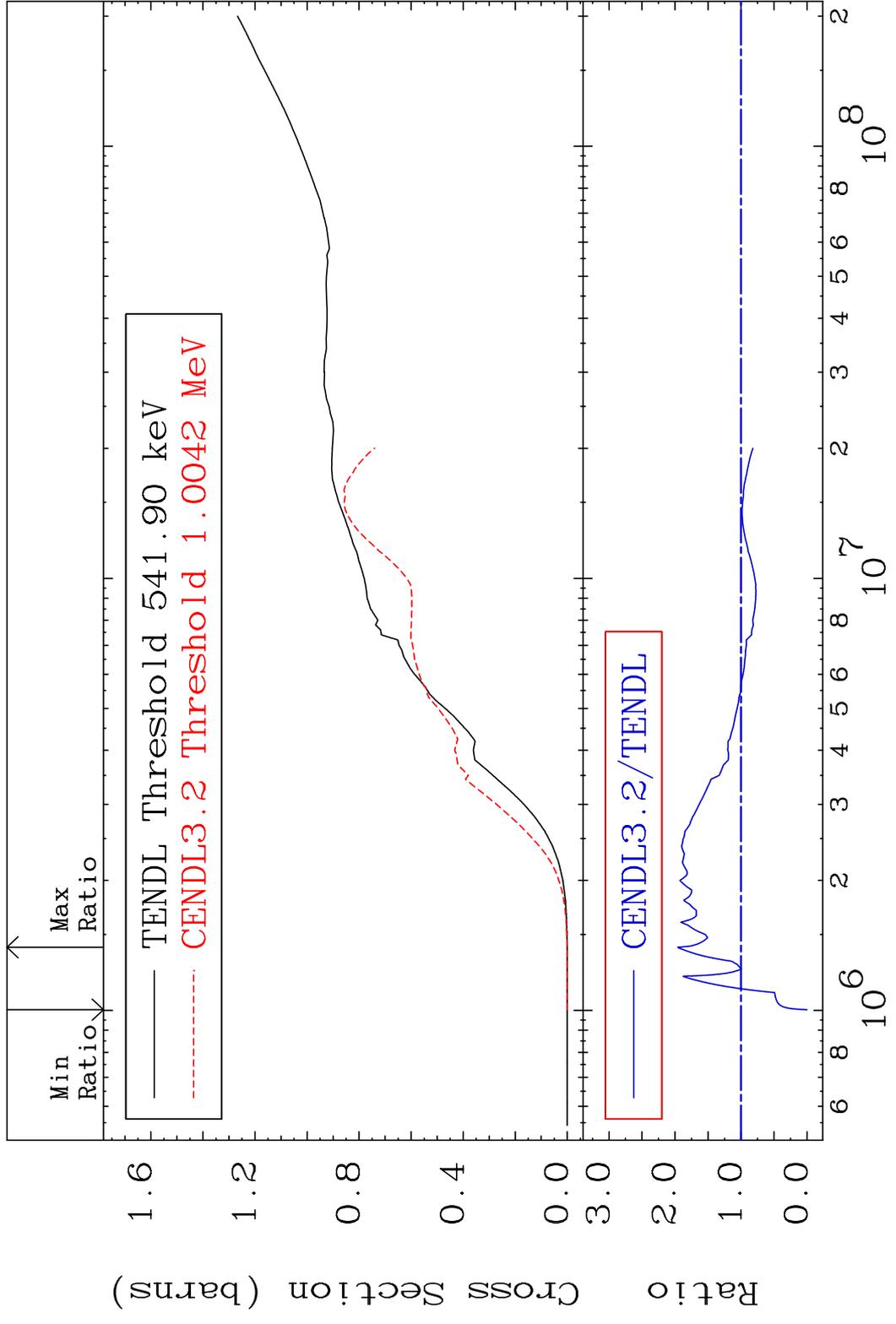
20-Ca-40

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



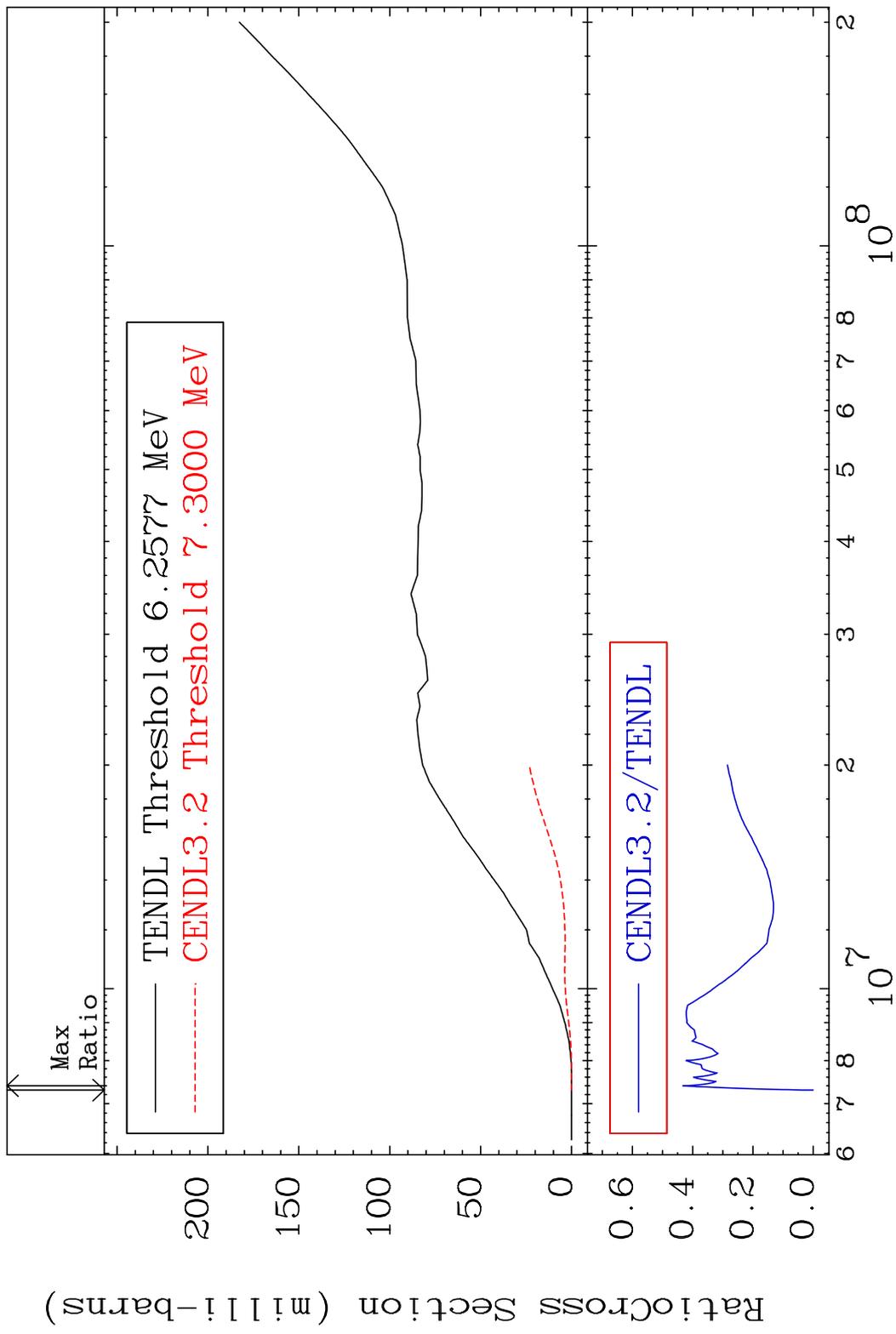
29 20-Ca-40

MAT 2025 Hydrogen Production 20-Ca-40
 Cross Section -100.0 To 95.92 %

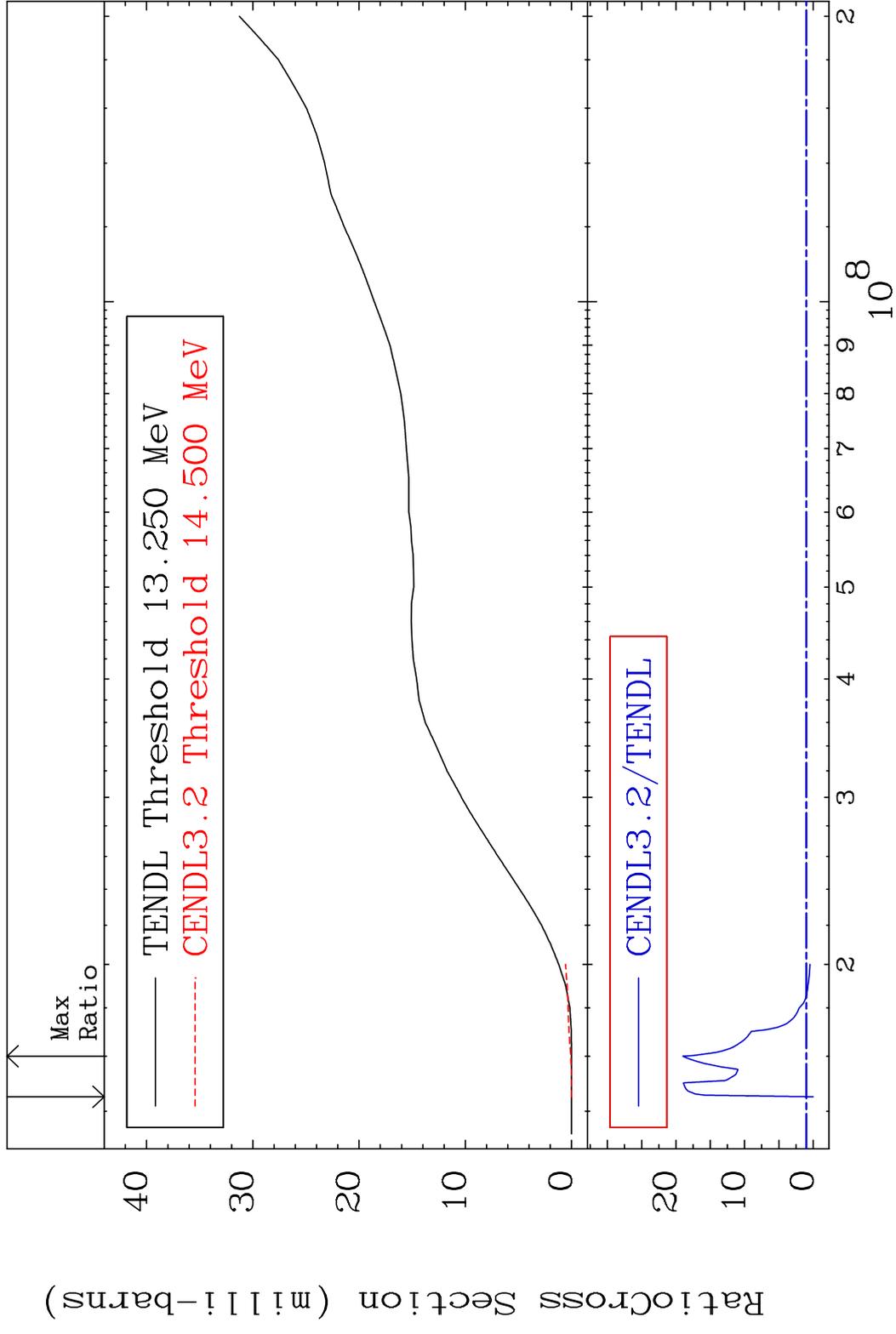


30 Incident Energy (eV) 20-Ca-40

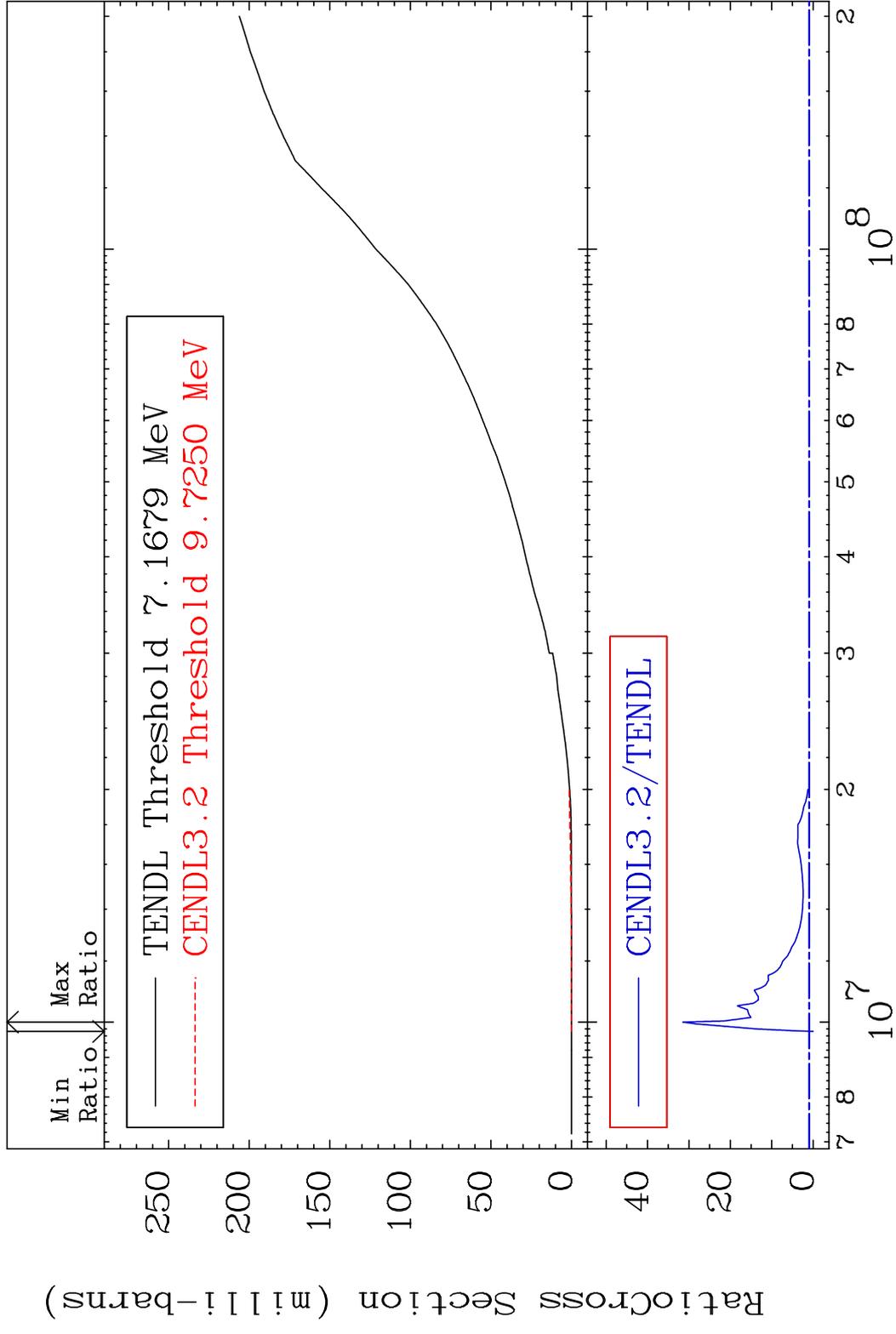
MAT 2025 Deuterium Production 20-Ca-40
 Cross Section -100.0 To -56.74%



MAT 2025 Tritium Production 20-Ca-40
 Cross Section -100.0 To 1800. %



MAT 2025 He-3 Production 20-Ca-40
 Cross Section -100.0 To 3047. %

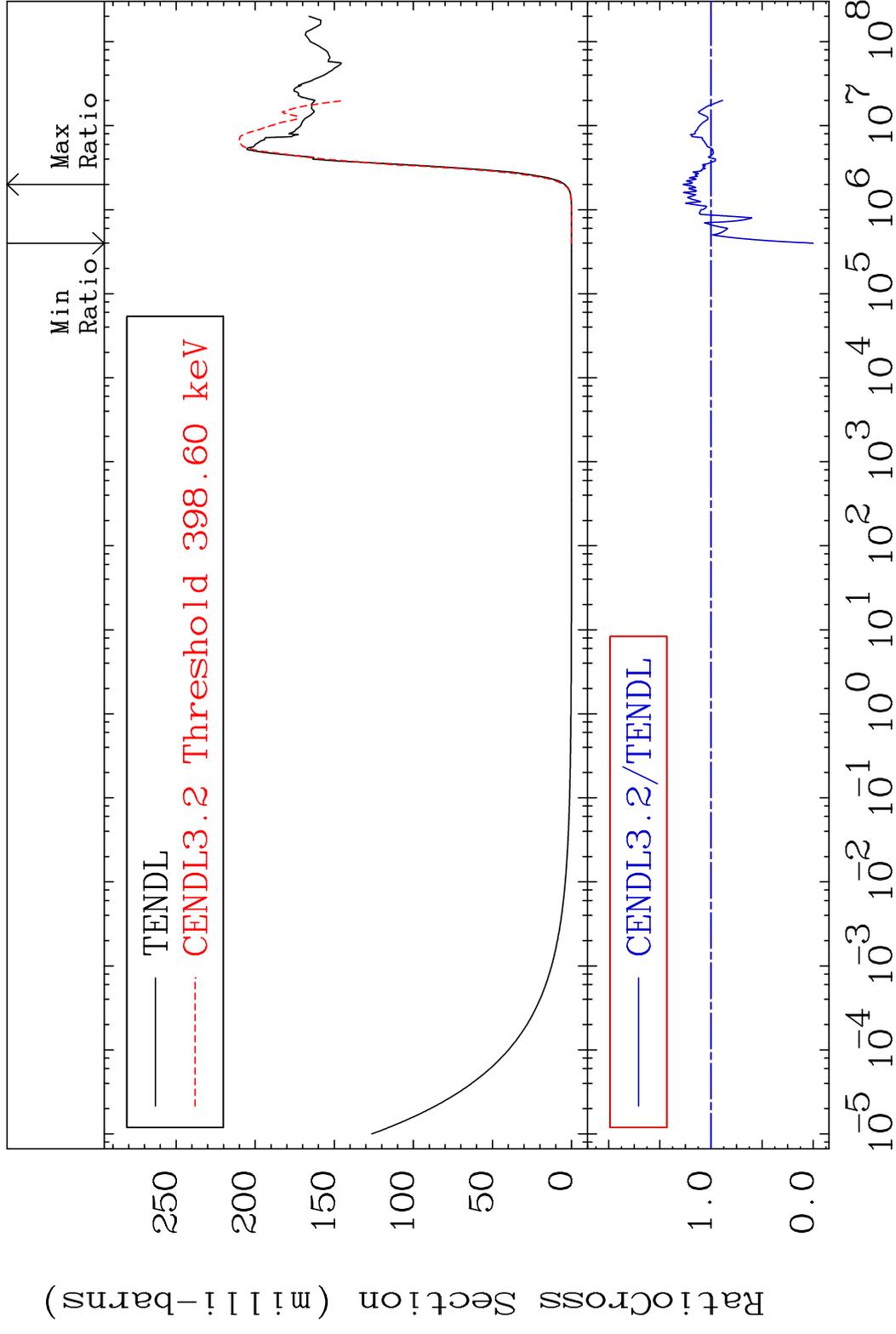


MAT 2025

He-4 Production

20-Ca-40

Cross Section -100.0 To 27.42 %

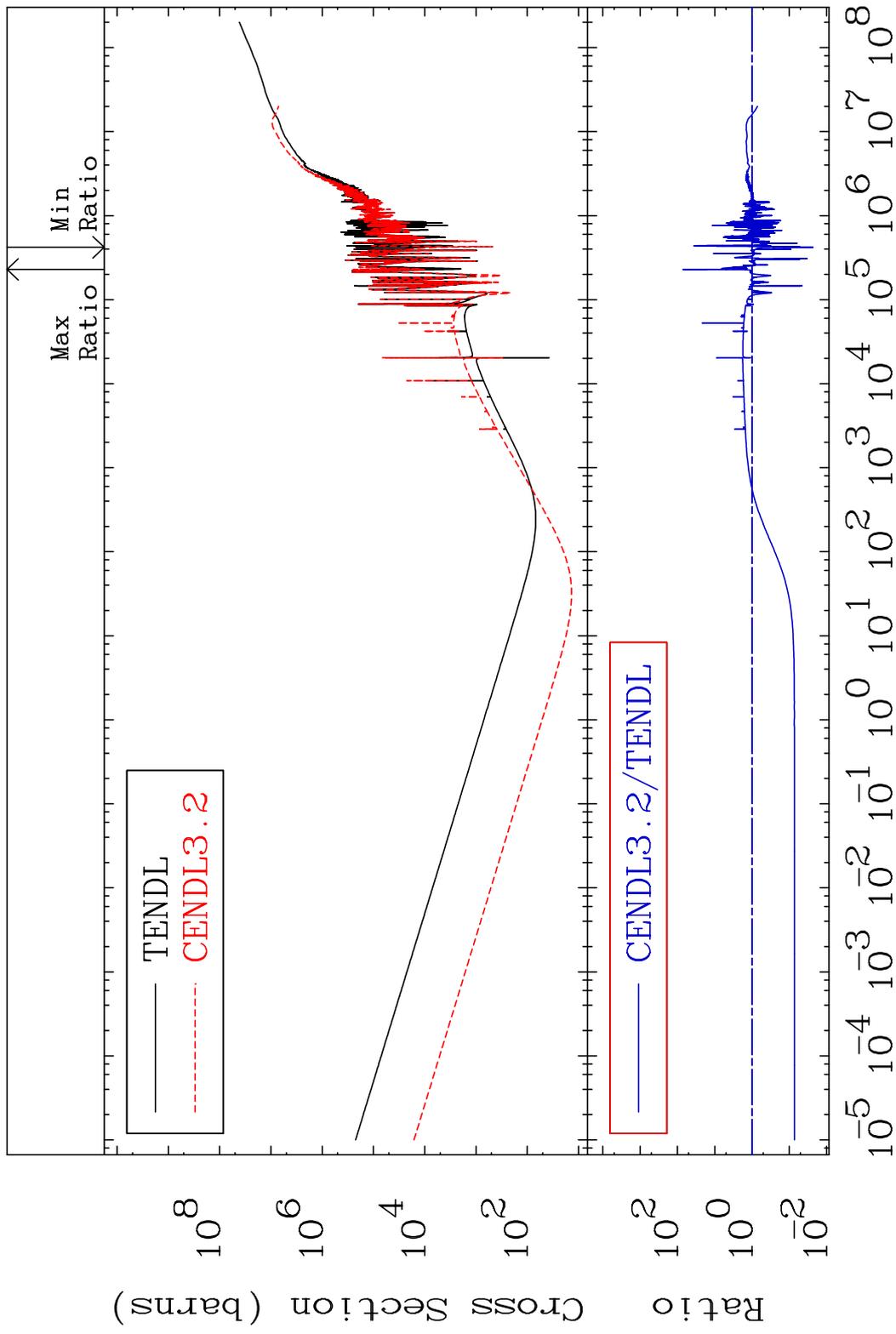


34

Incident Energy (eV)

20-Ca-40

MAT 2025 Kerma total (eV-barns) 20-Ca-40
 Cross Section -97.71 To 7061. %

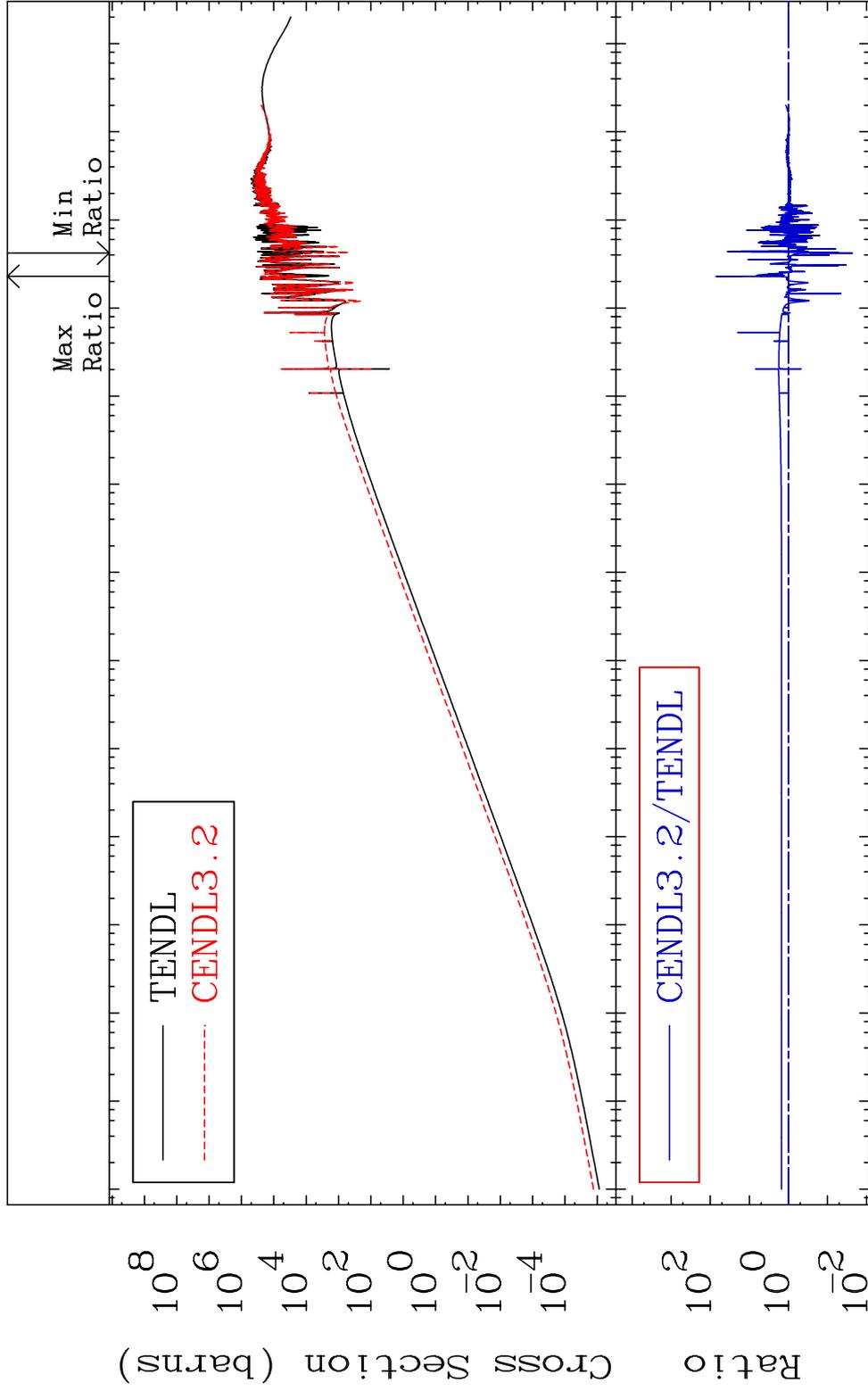


35 Incident Energy (eV) 20-Ca-40

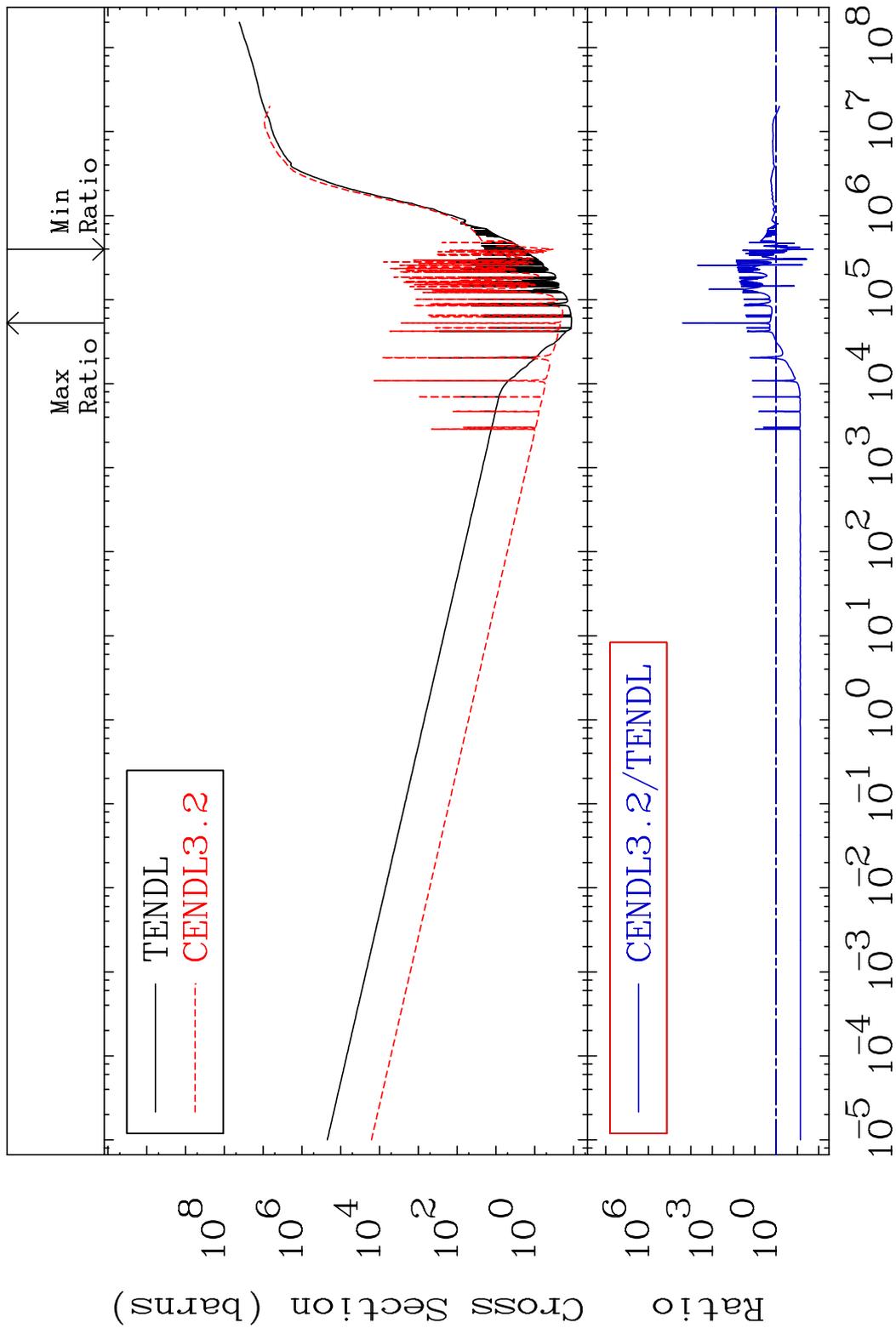
MAT 2025

Kerma elastic
Cross Section

20-Ca-40
-97.71 To 7068. %

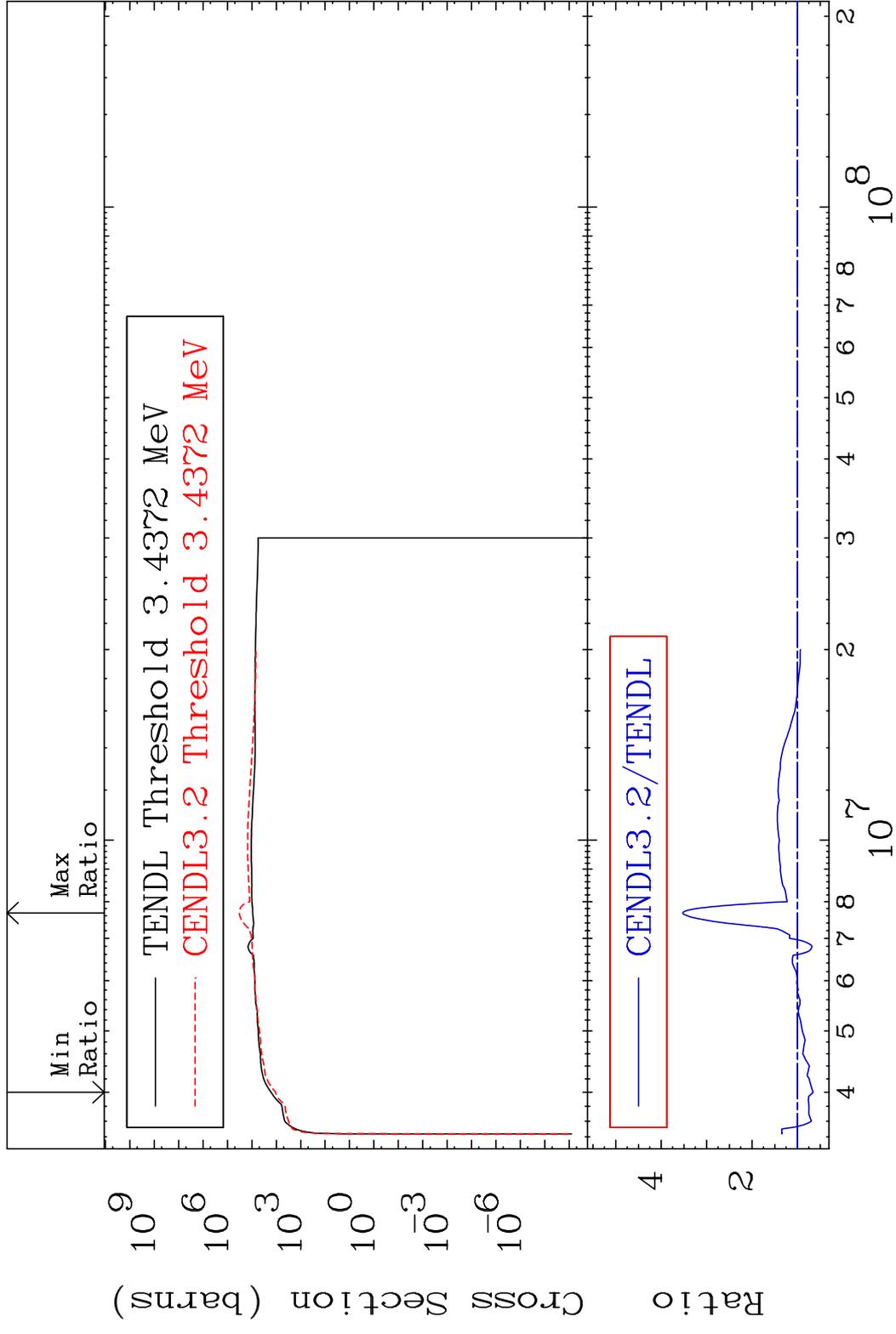


MAT 2025 Kerma non-elastic (all but mt2) 20-Ca-40
 Cross Section -98.18 To 9999. %

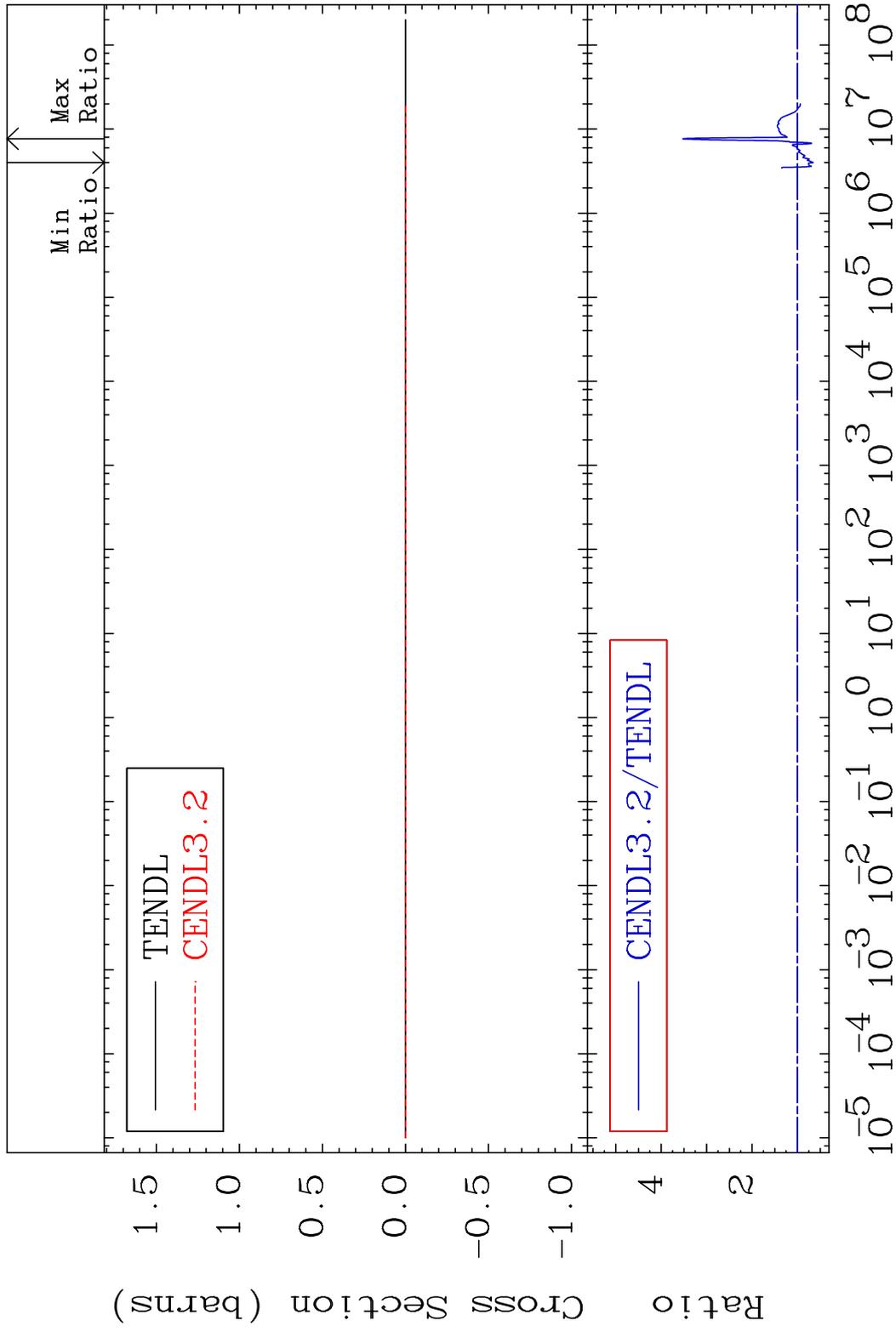


37 Incident Energy (eV) 20-Ca-40

MAT 2025 Kerma inelastic (mt51-91) 20-Ca-40
 Cross Section -34.51 To 252.4 %

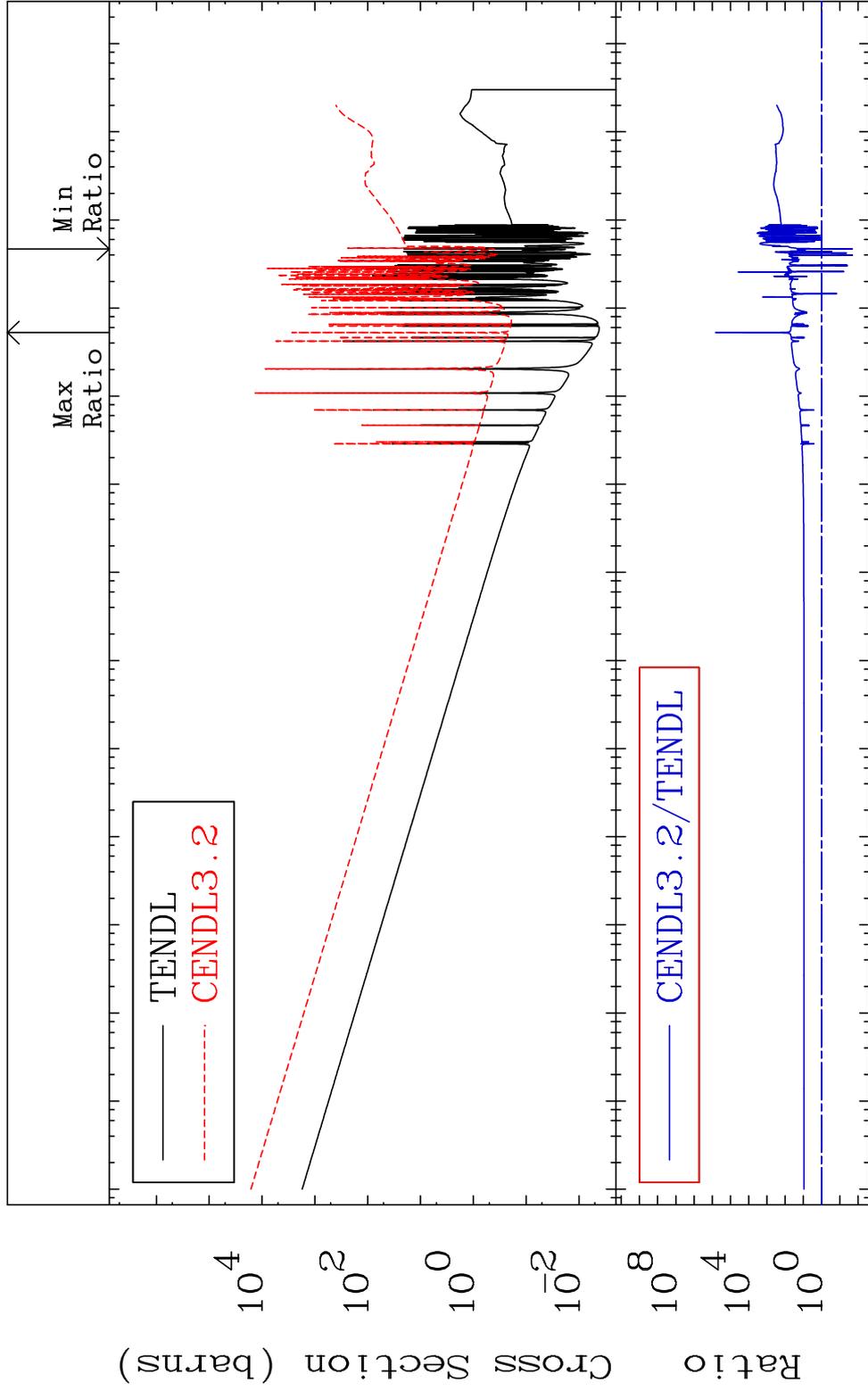


MAT 2025 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-40
 Cross Section -34.51 To 252.4 %



MAT 2025

Kerma capture (mt102) 20-Ca-40
Cross Section -98.00 To 9999. %

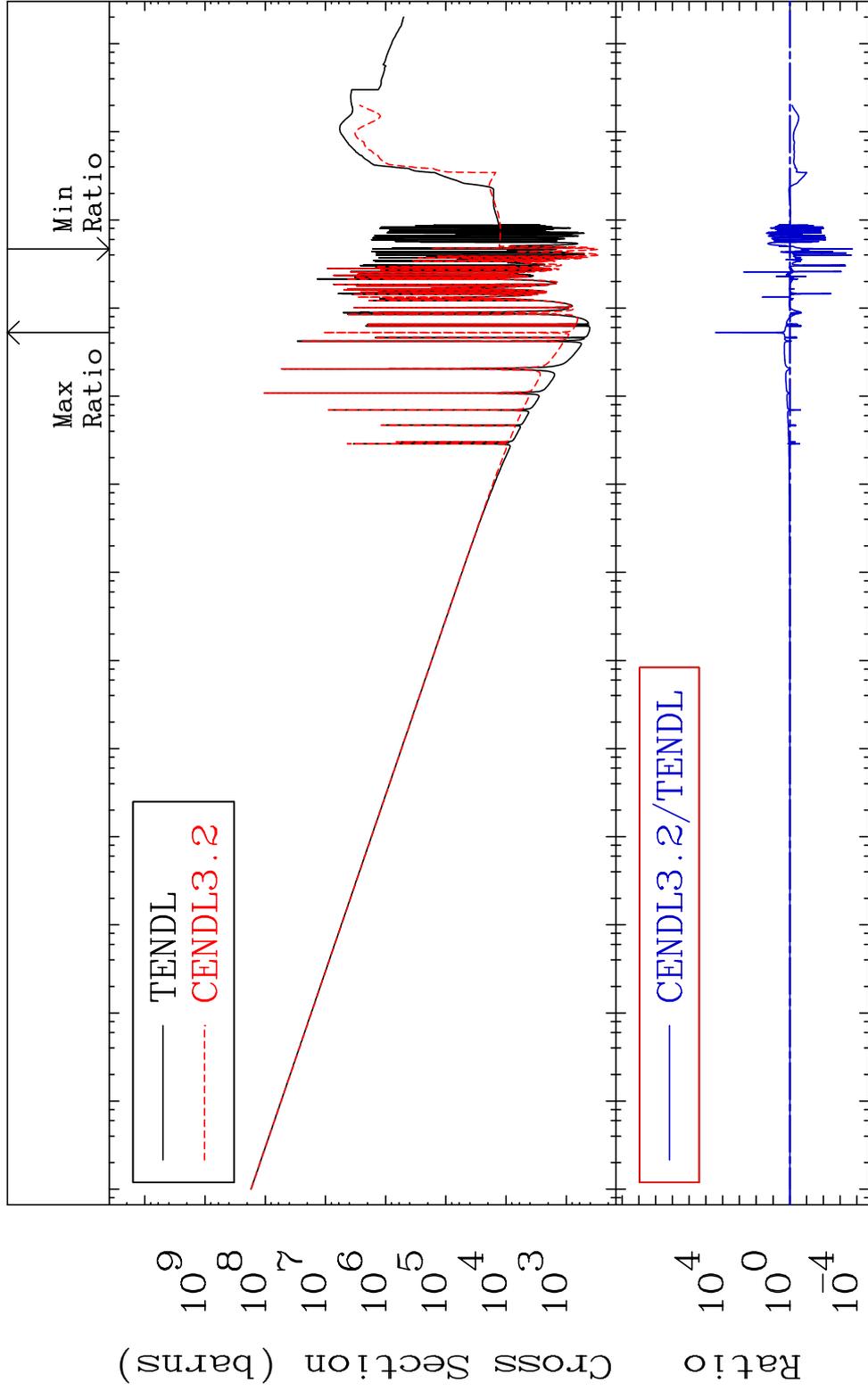


40

Incident Energy (eV)

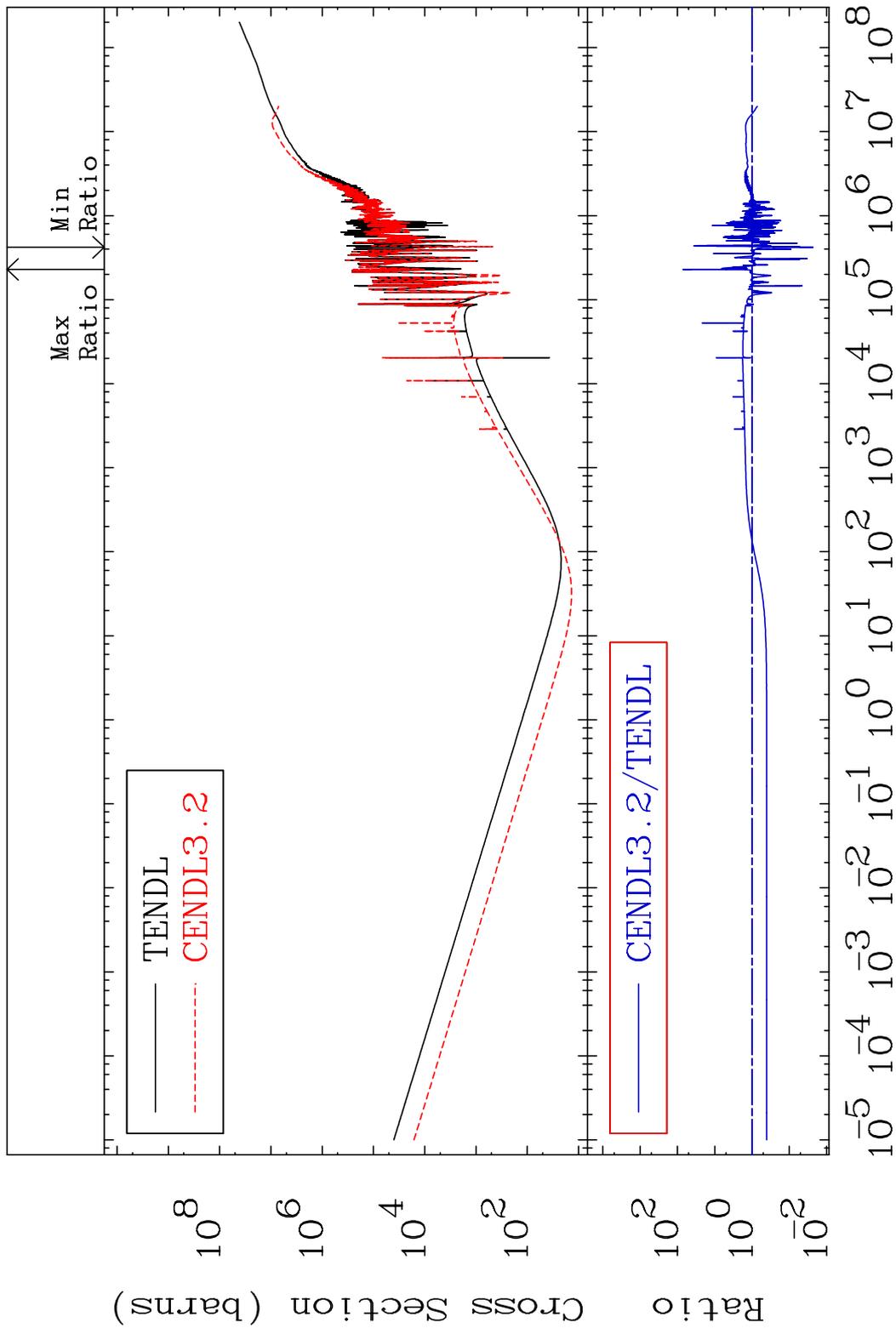
20-Ca-40

MAT 2025 Total photon (eV-barns) 20-Ca-40
 Cross Section -99.98 To 9999. %



41 Incident Energy (eV) 20-Ca-40

MAT 2025 Total kinematic kerma (high limit) 20-Ca-40
Cross Section -97.71 To 7061. %



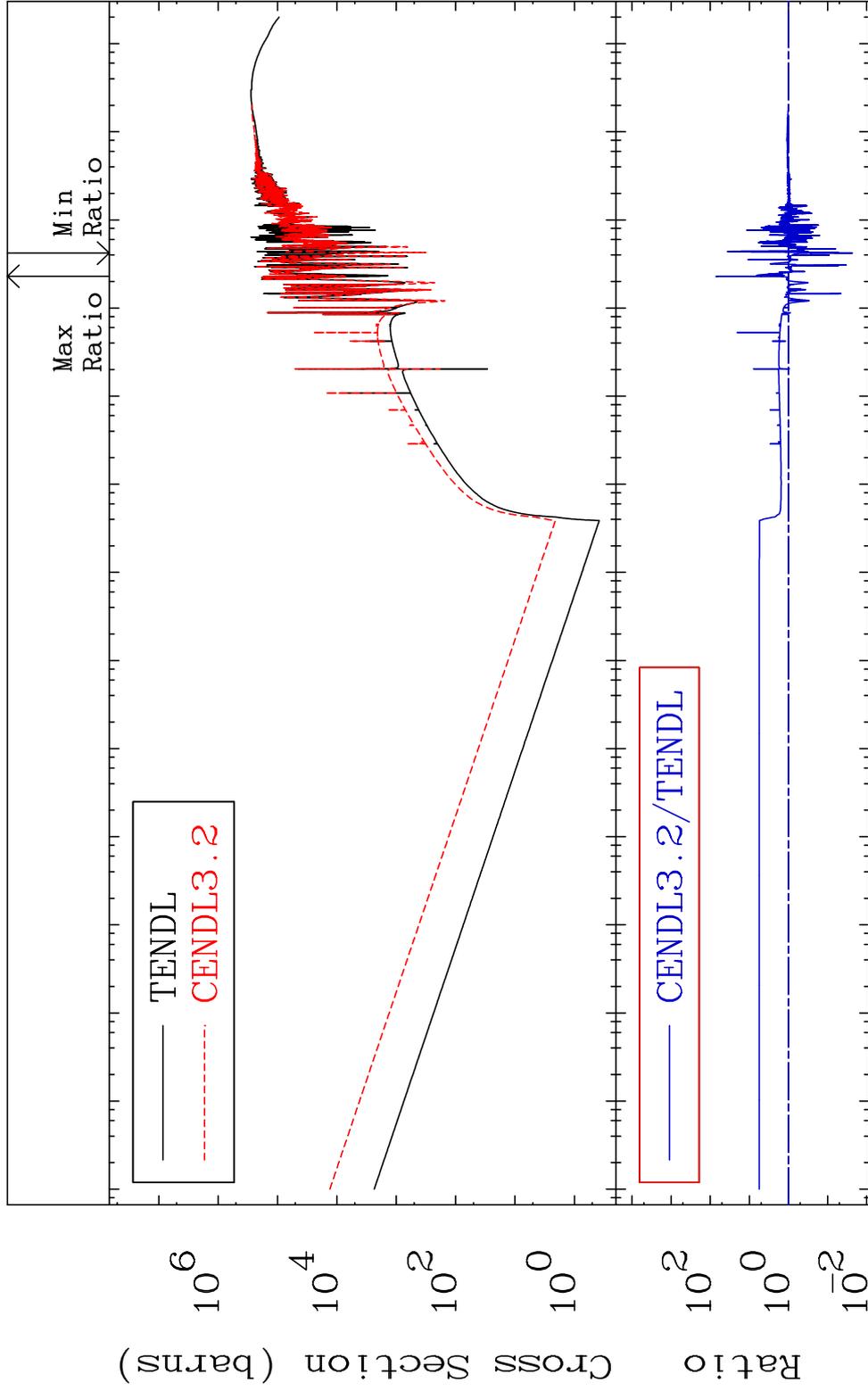
42 Incident Energy (eV) 20-Ca-40

MAT 2025

Dpa total (eV-barns)

20-Ca-40

Cross Section -97.70 To 7074. %



43

Incident Energy (eV)

20-Ca-40

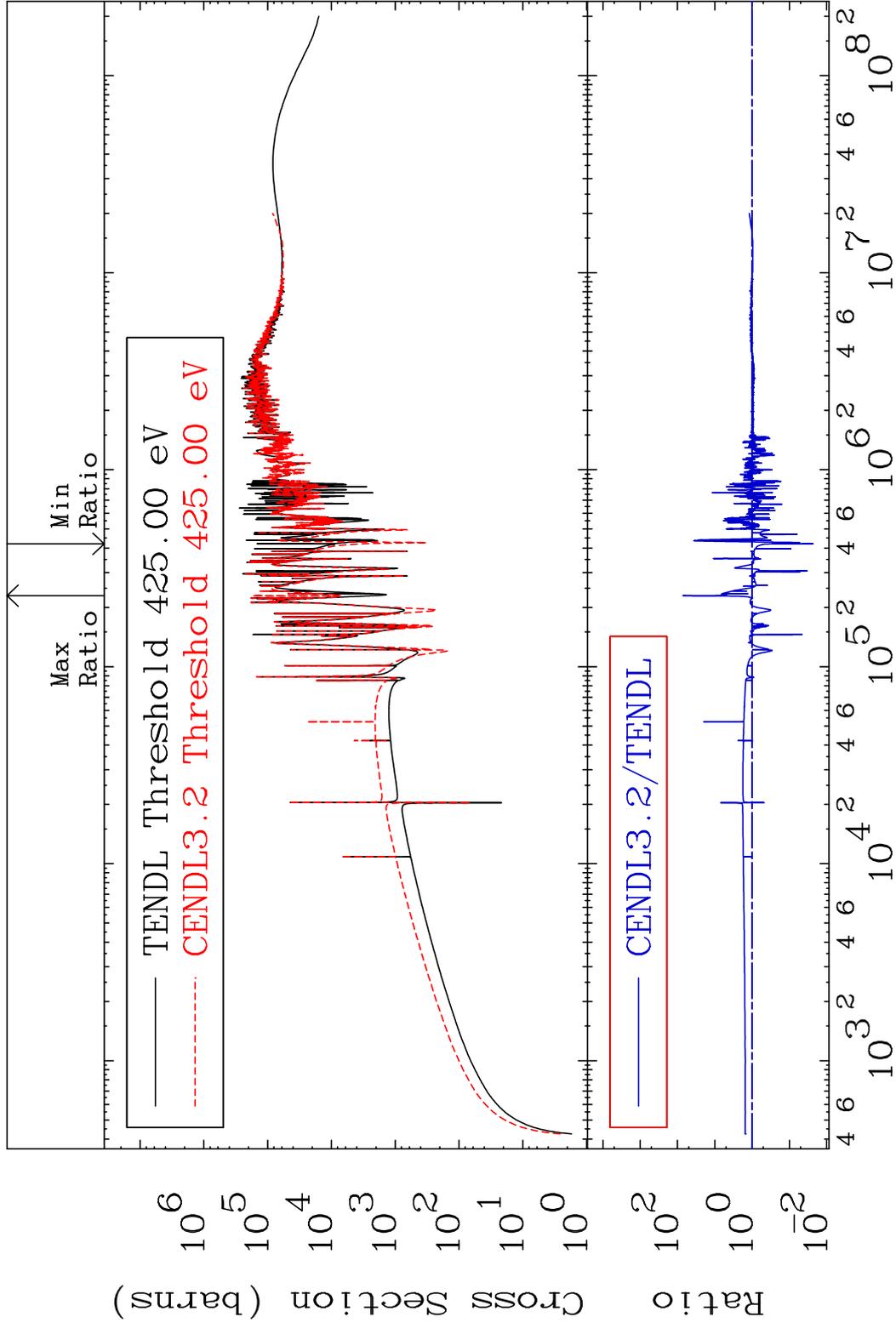
MAT 2025

Dpa elastic (mt2)

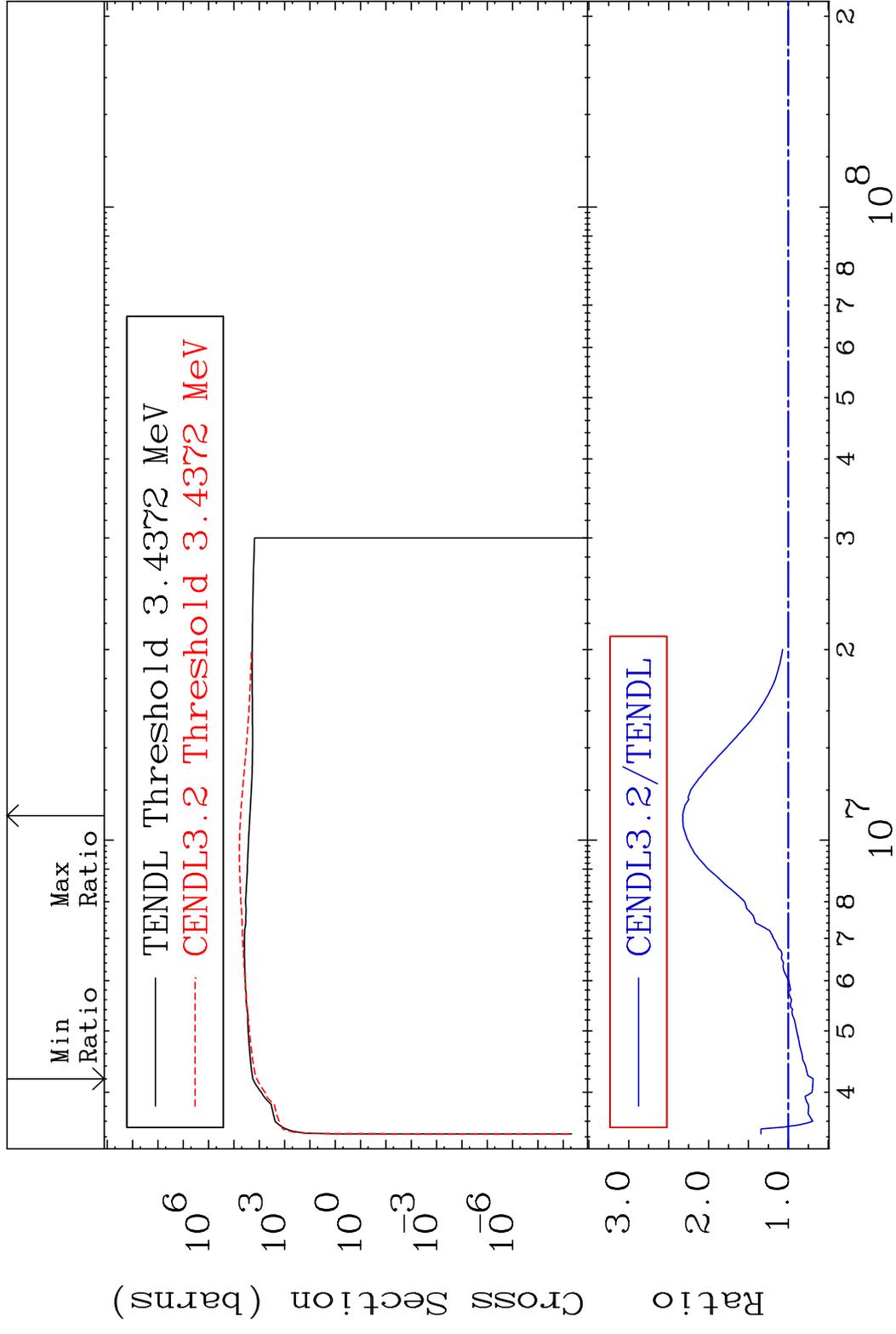
20-Ca-40

Cross Section

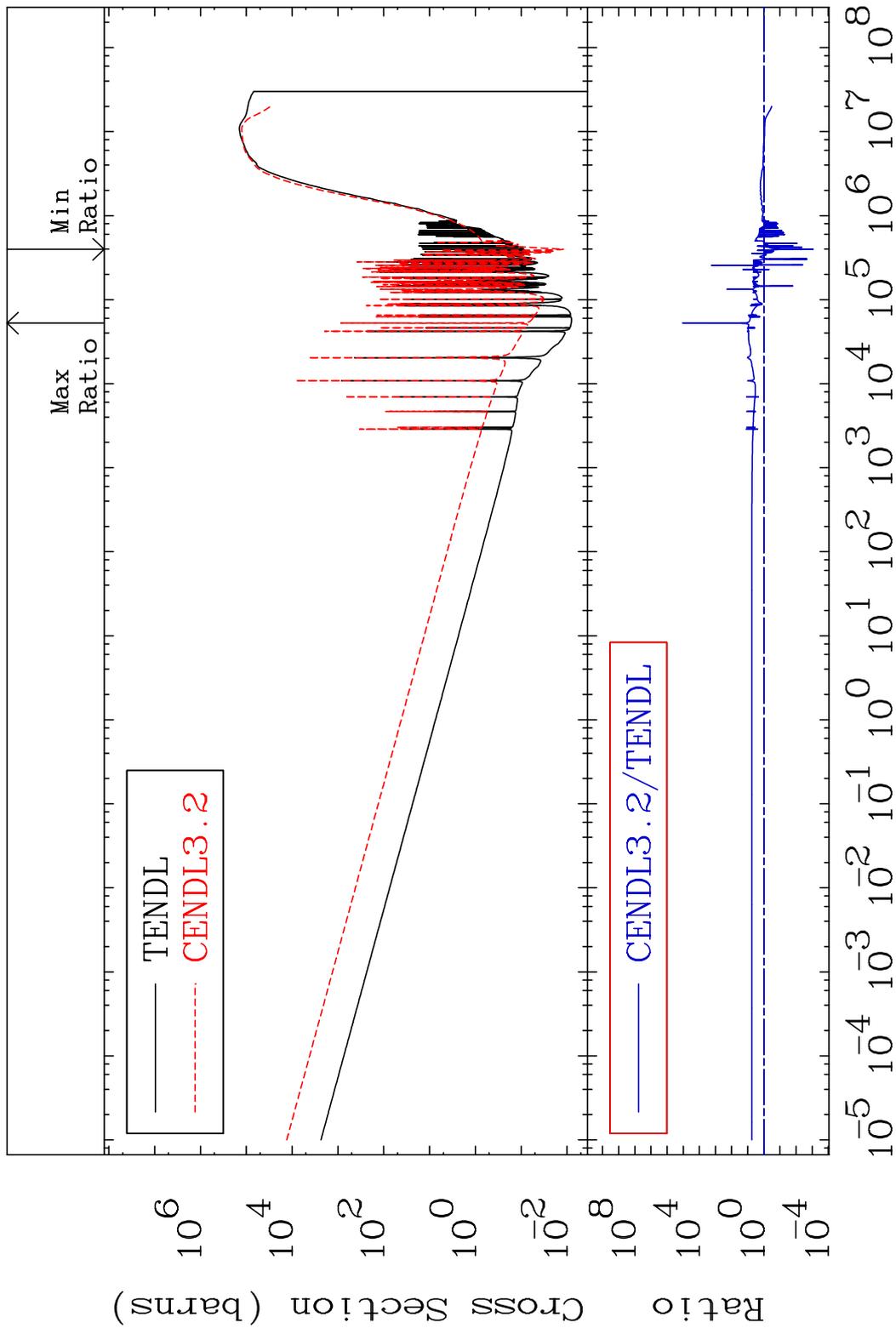
-97.70 To 7083. %



MAT 2025 Dpa inelastic (mt51-91) 20-Ca-40
 Cross Section -31.01 To 132.2 %



MAT 2025 Dpa disappearance (mt102 -120) 20-Ca-40
 Cross Section -99.91 To 9999. %

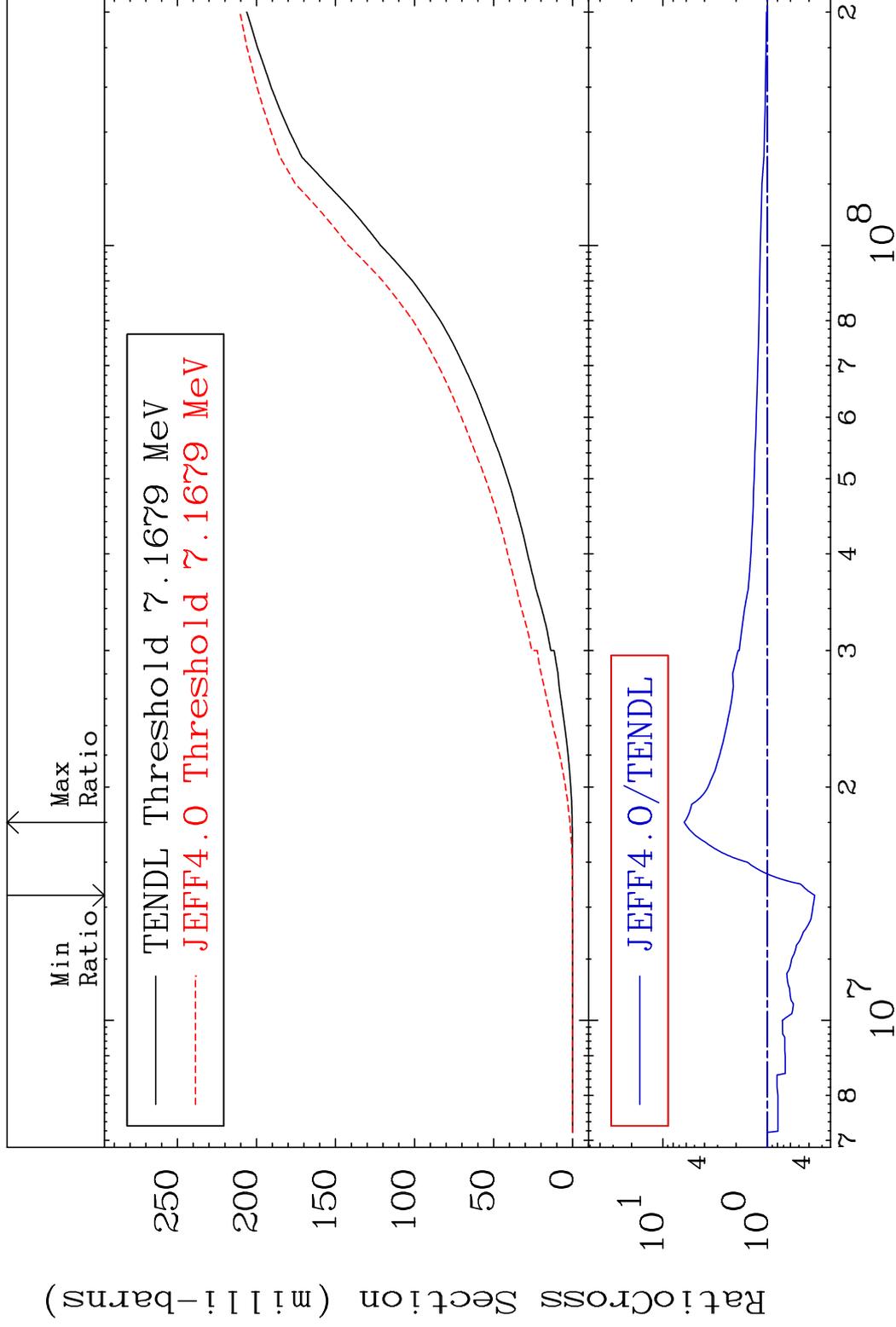


MAT 2025

He-3 Production

20-Ca-40

Cross Section -64.72 To 527.2 %



47

Incident Energy (eV)

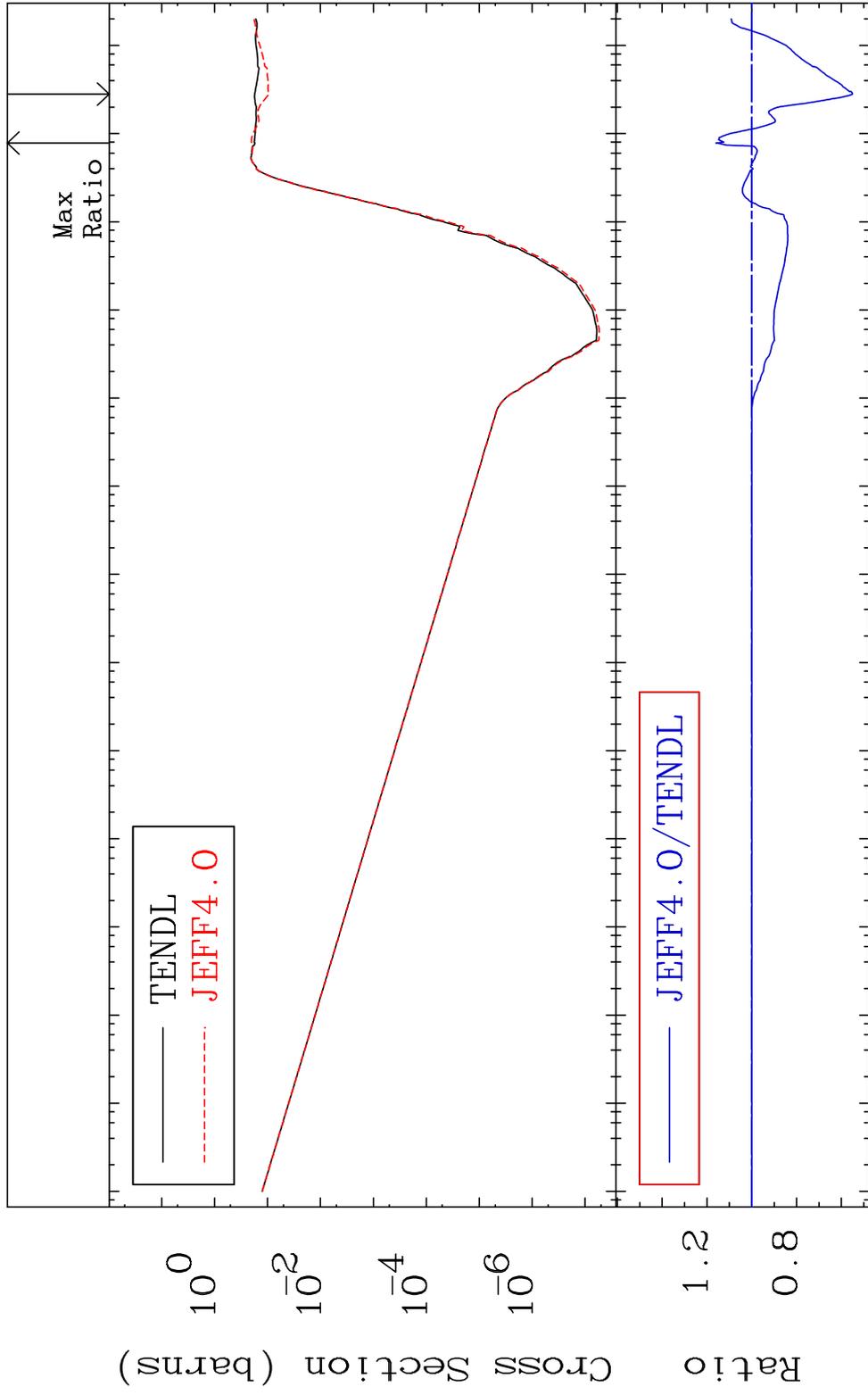
20-Ca-40

MAT 2025

He-4 Production

20-Ca-40

Cross Section -44.94 To 16.03 %

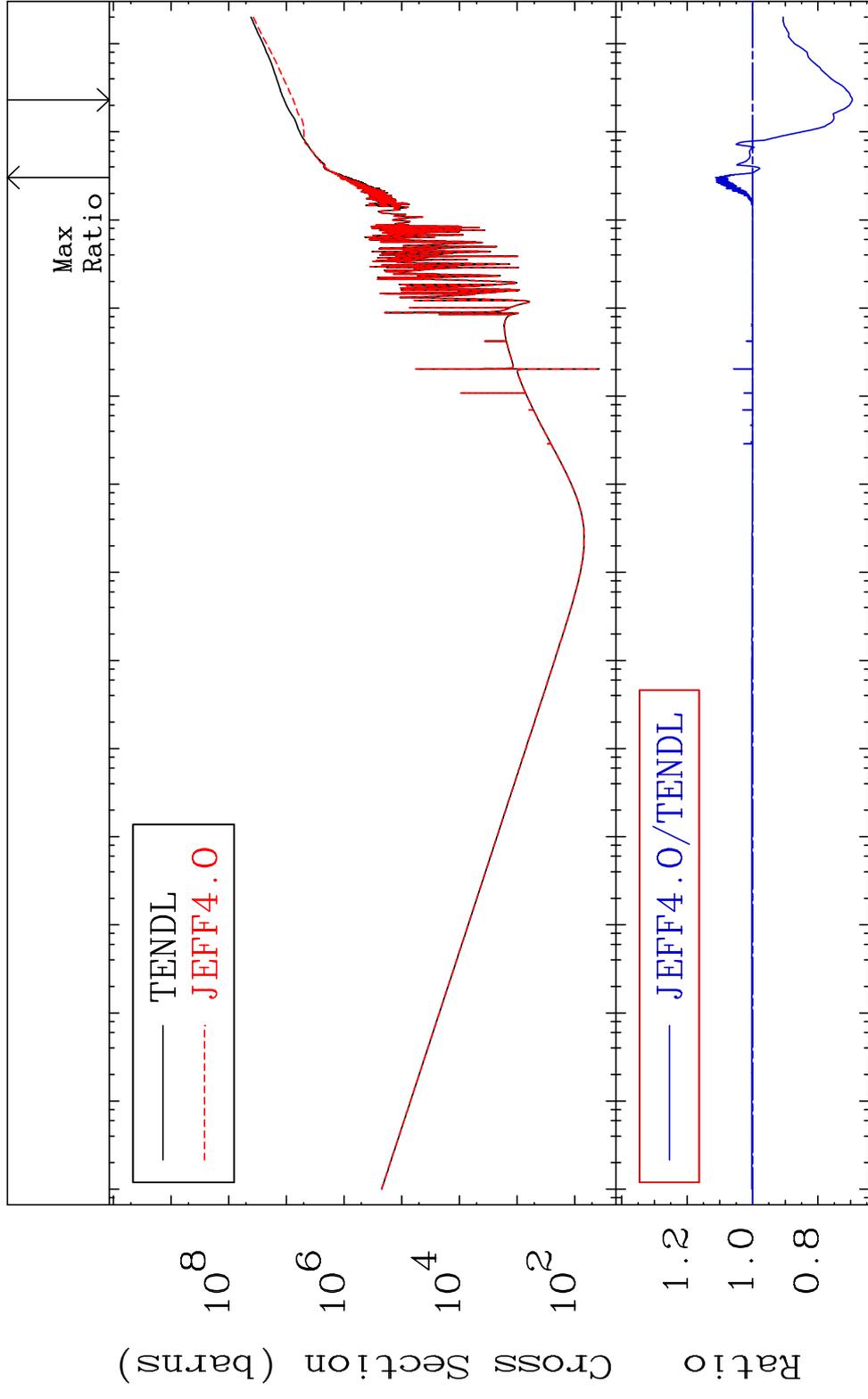


48

Incident Energy (eV)

20-Ca-40

MAT 2025 Kerma total (eV-barns) 20-Ca-40
Cross Section -30.58 To 11.20 %

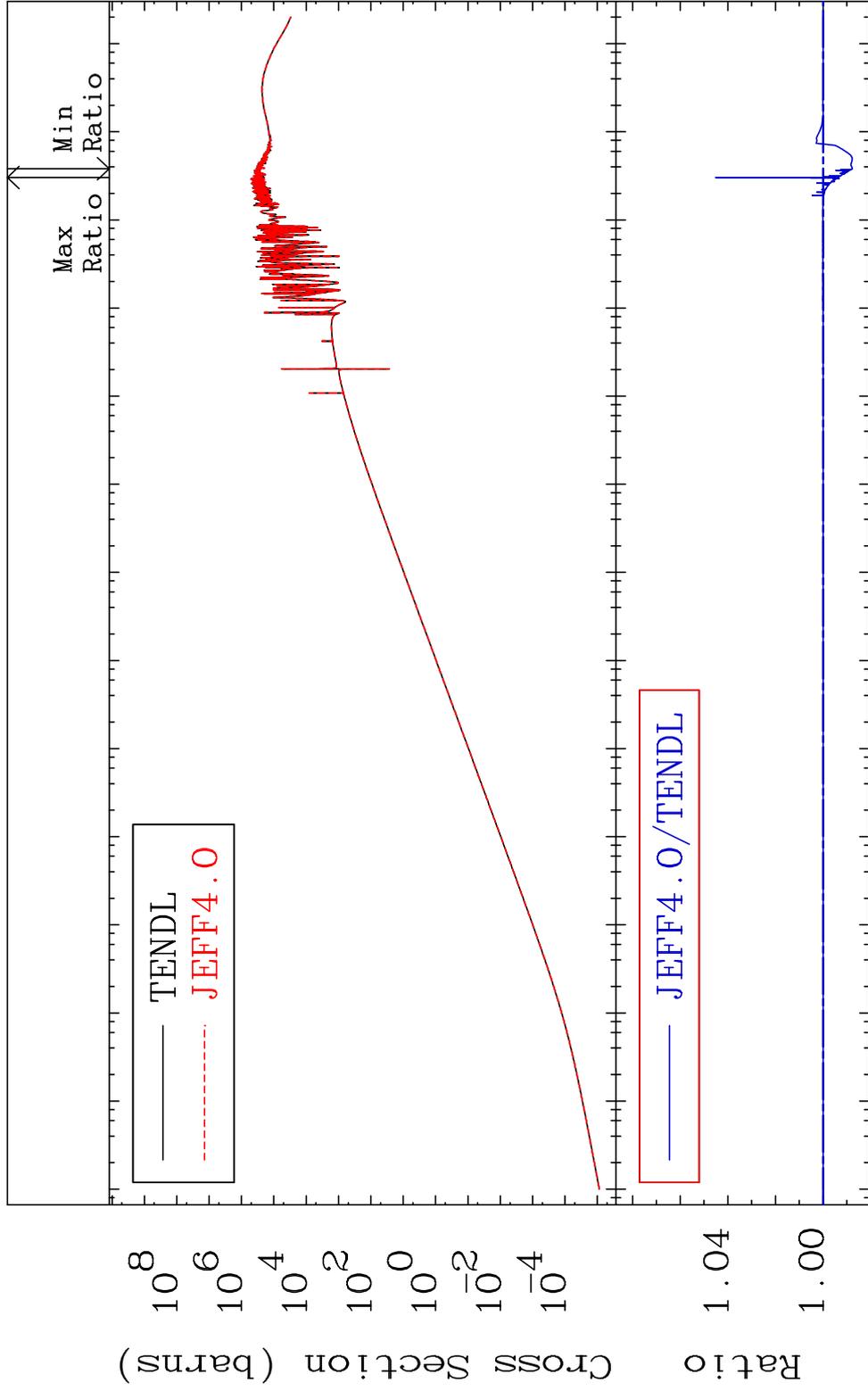


49 Incident Energy (eV) 20-Ca-40

MAT 2025

Kerma elastic
Cross Section -1.239 To 4.501 %

20-Ca-40



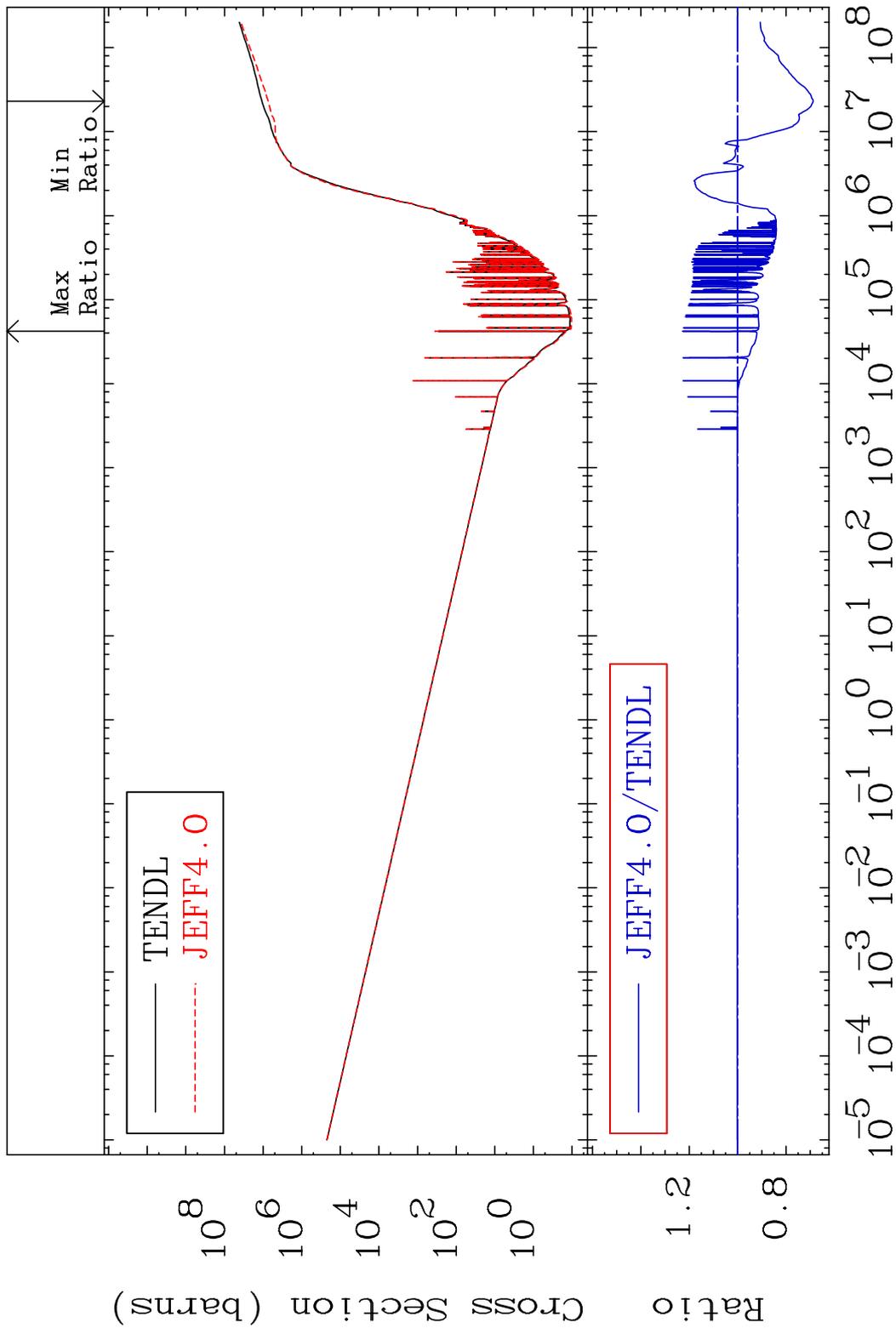
10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

50

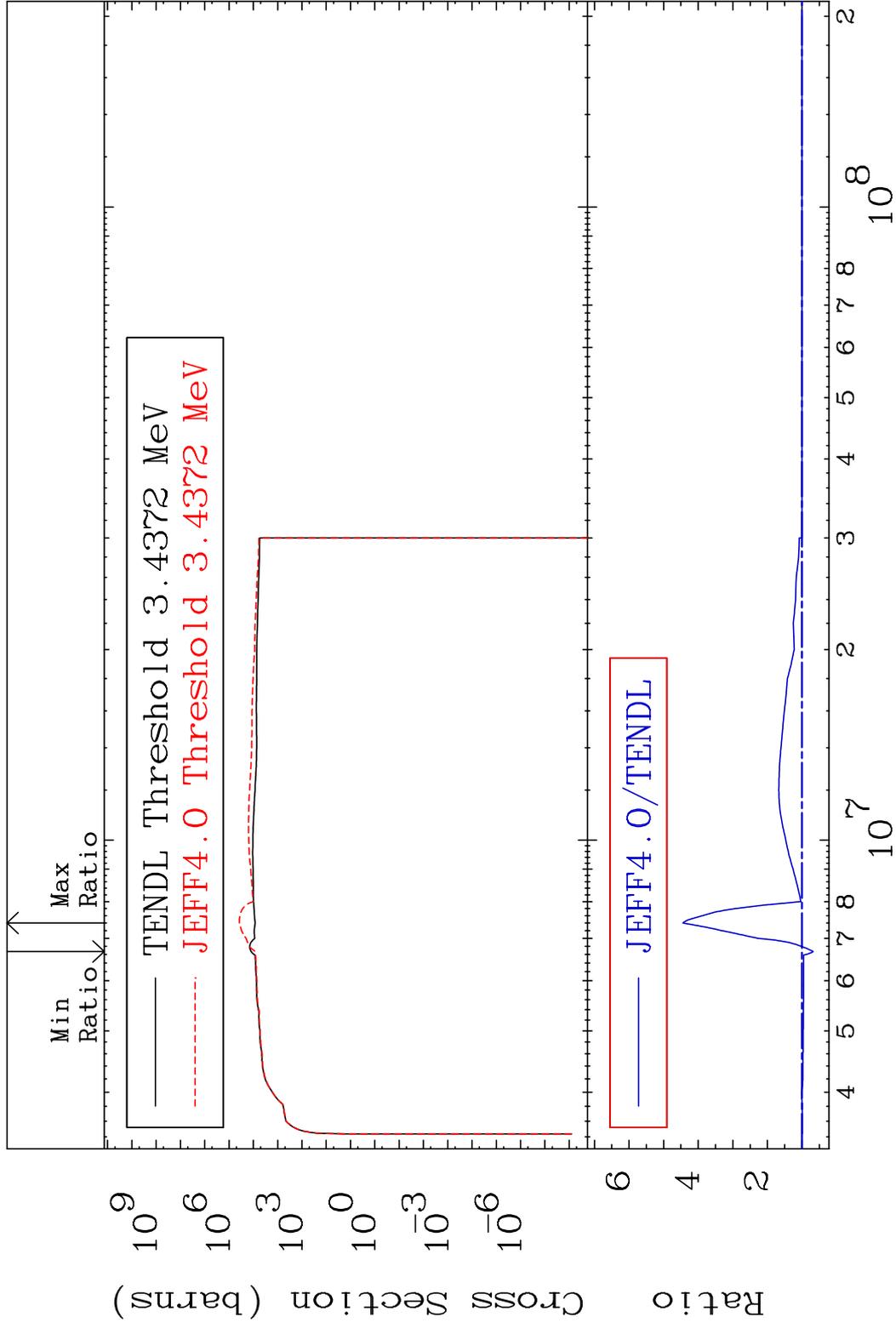
Incident Energy (eV)

20-Ca-40

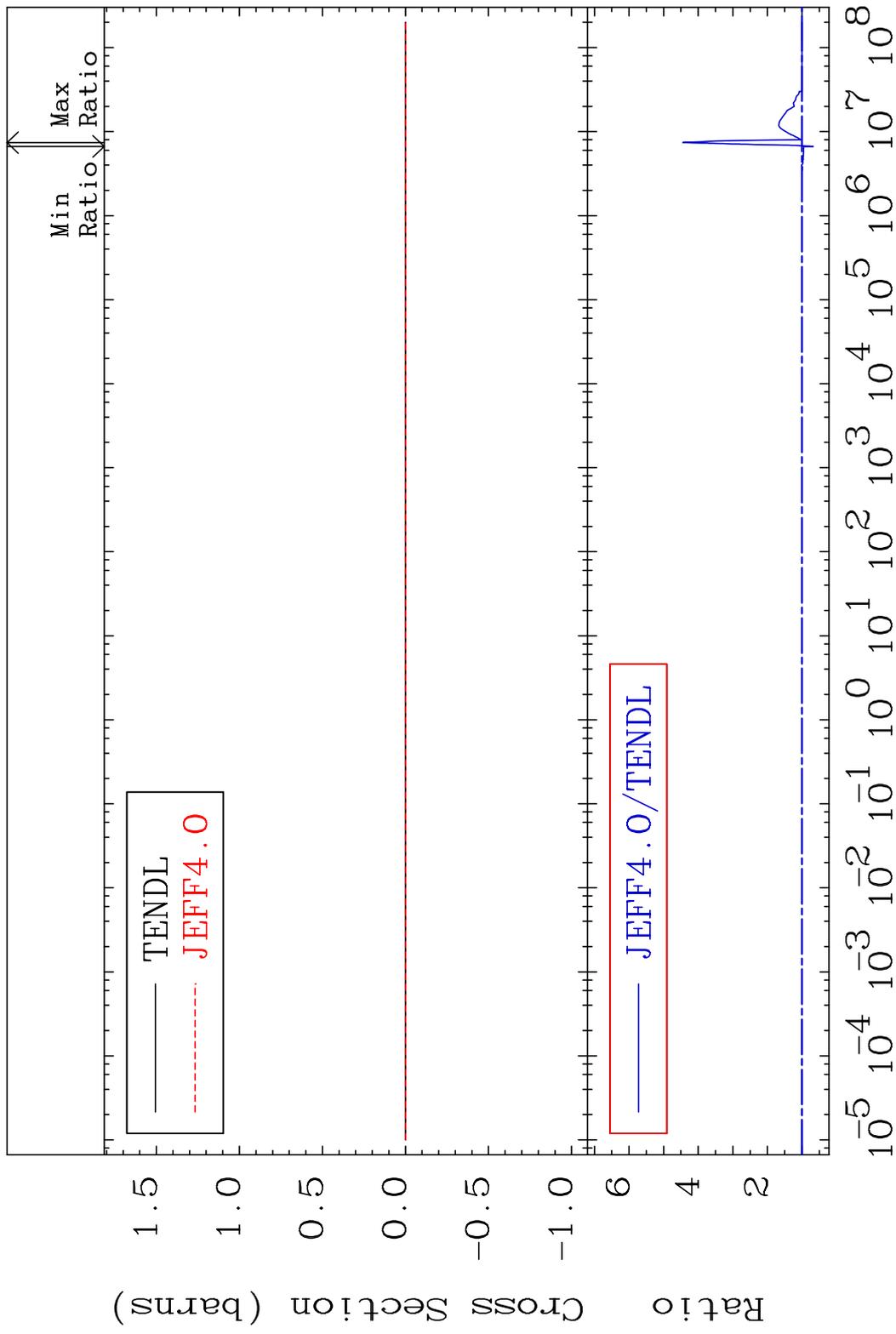
MAT 2025 Kerma non-elastic (all but mt2) 20-Ca-40
 Cross Section -31.21 To 22.63 %



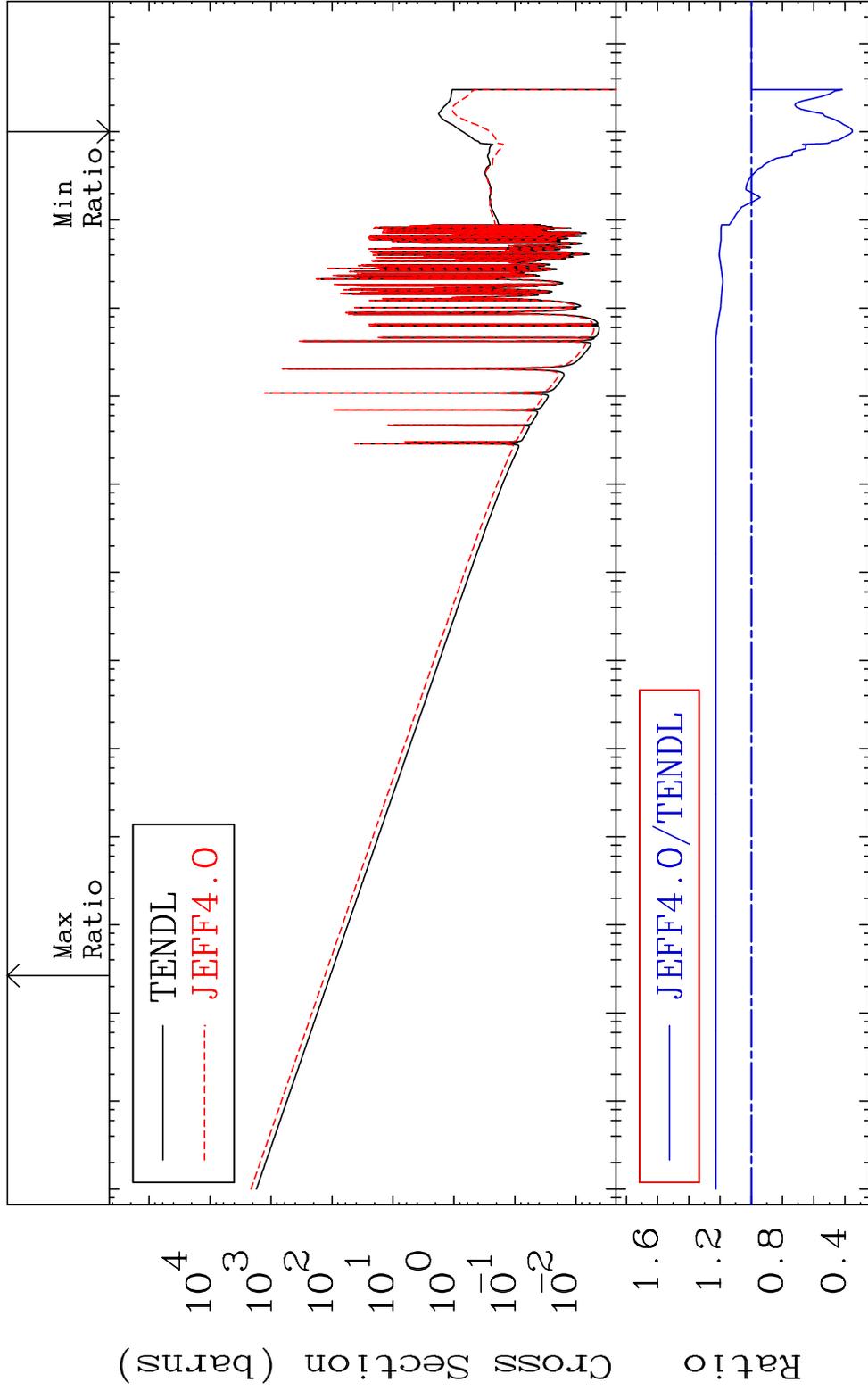
MAT 2025 Kerma inelastic (mt51-91) 20-Ca-40
 Cross Section -32.24 To 344.4 %



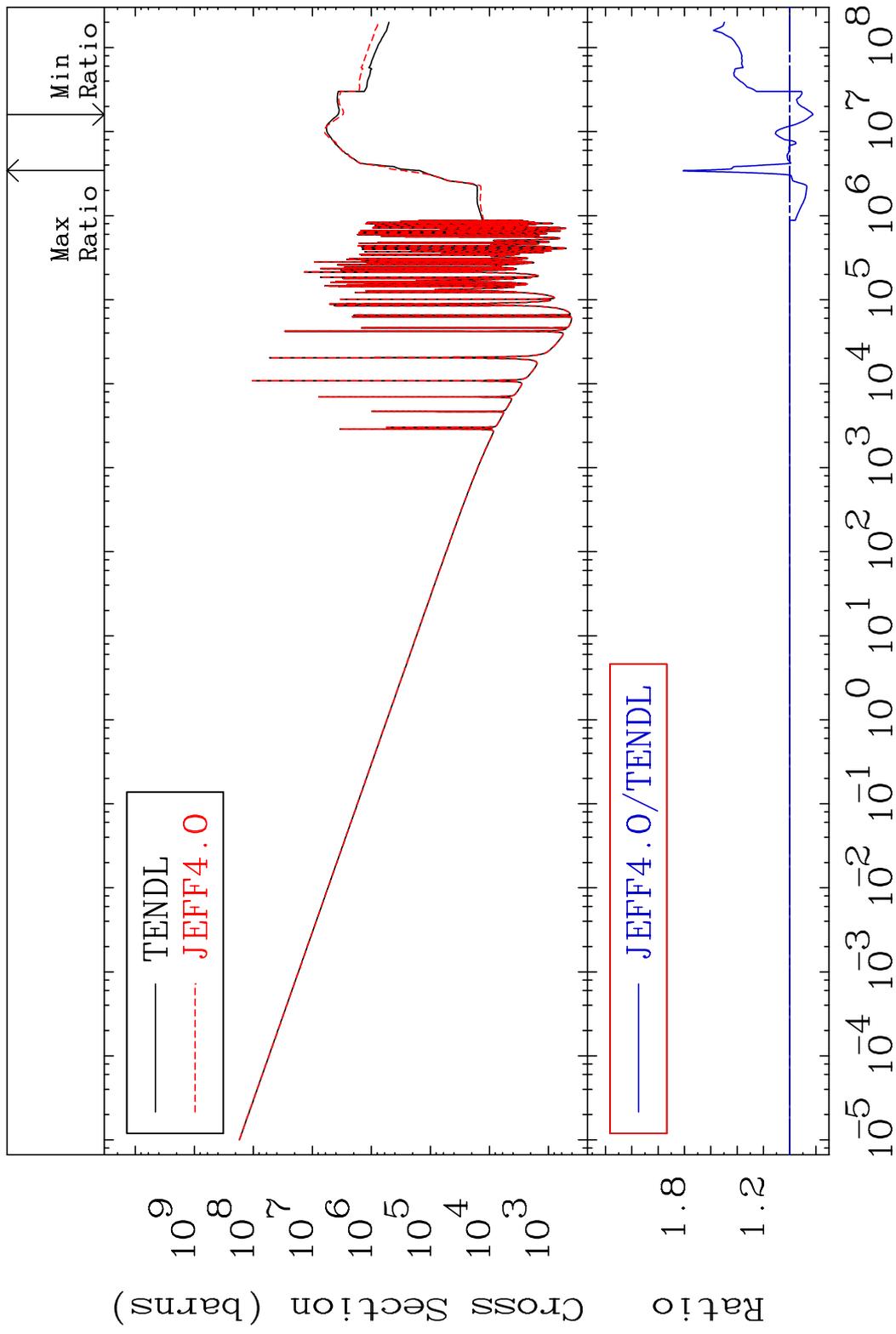
MAT 2025 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-40
 Cross Section -32.24 To 344.4 %



MAT 2025 Kerma capture (mt102) 20-Ca-40
 Cross Section -64.86 To 22.65 %

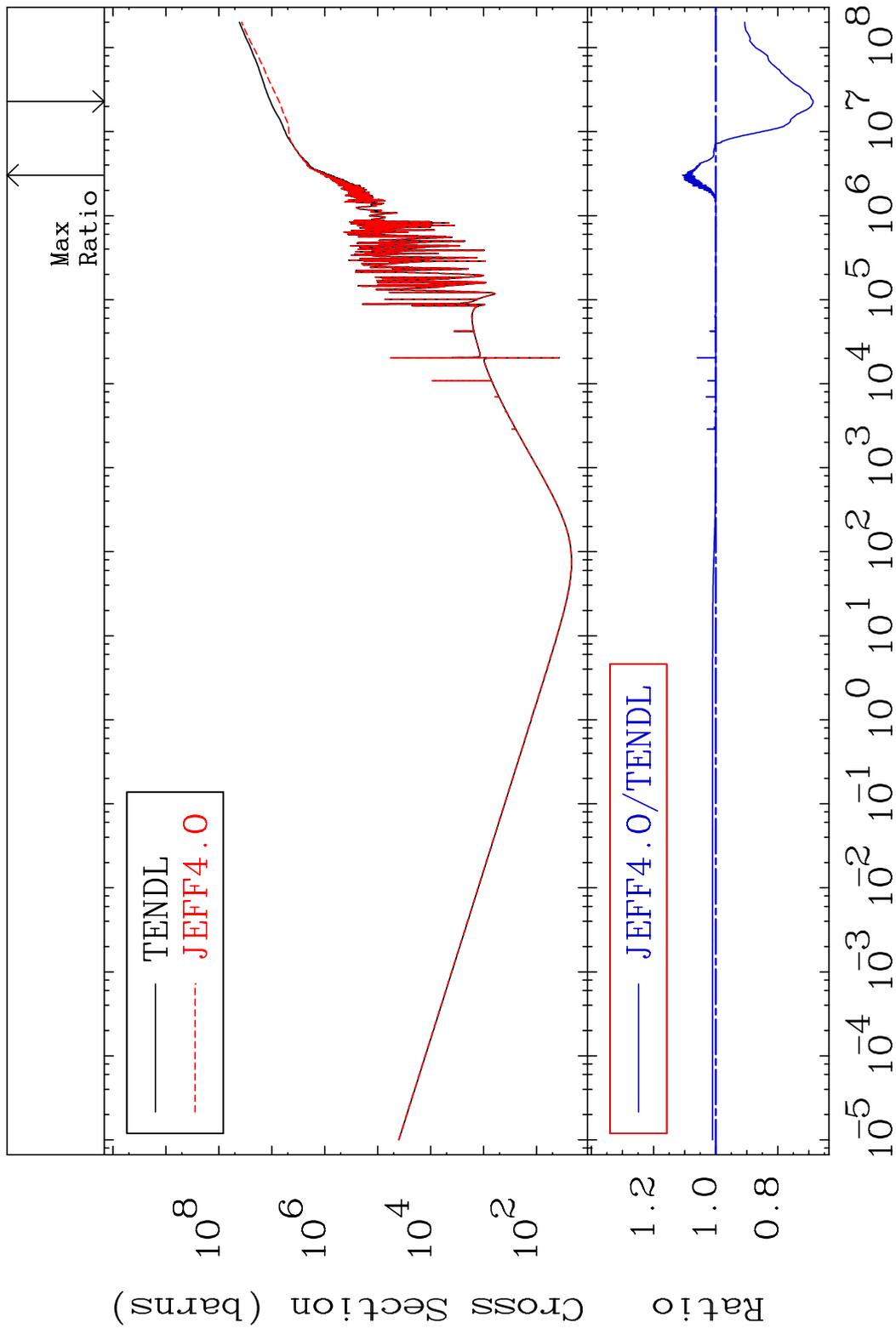


MAT 2025 Total photon (eV-barns) 20-Ca-40
 Cross Section -17.82 To 81.23 %

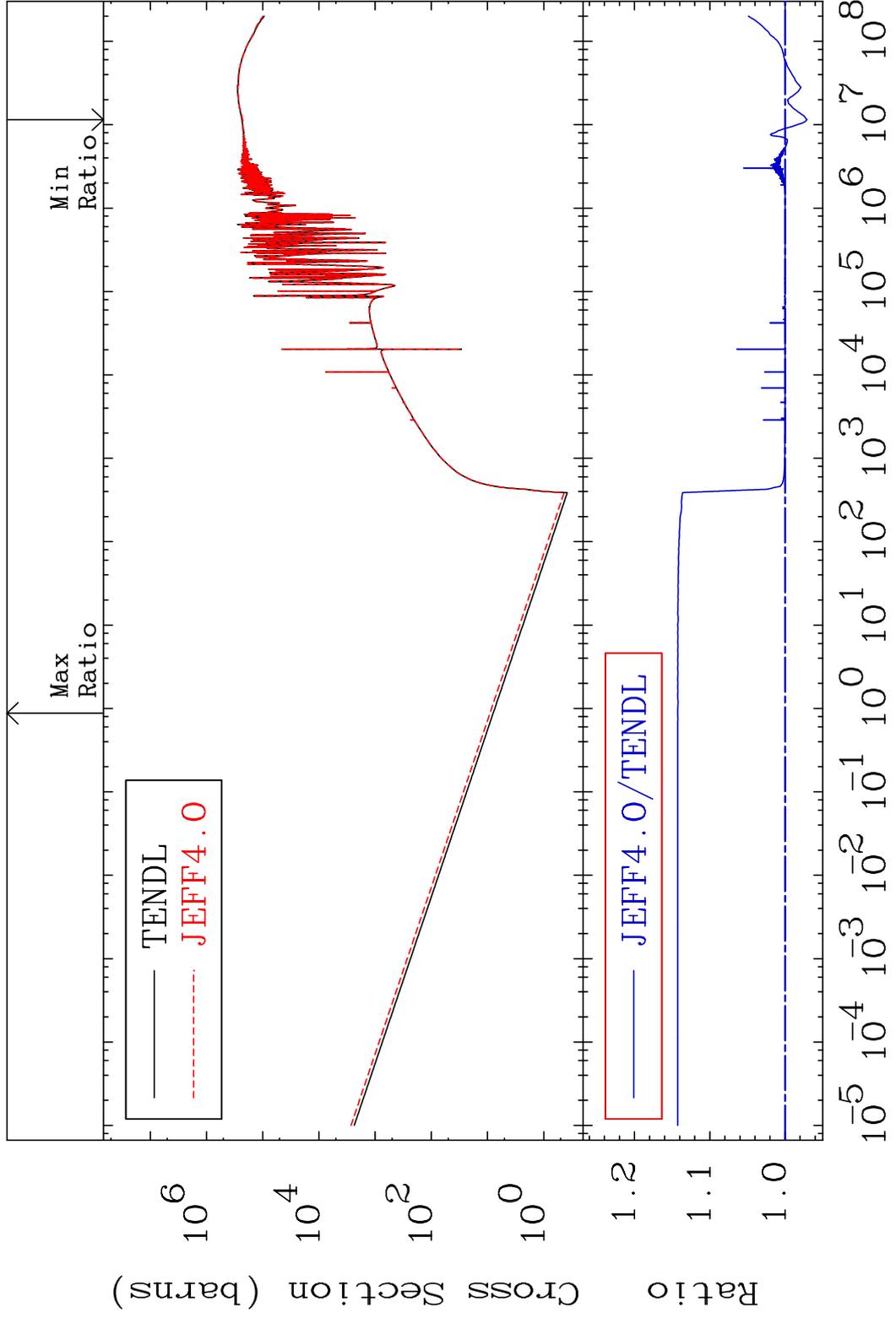


55 Incident Energy (eV) 20-Ca-40

MAT 2025 Total kinematic kerma (high limit) 20-Ca-40
Cross Section -31.38 To 10.57 %



MAT 2025 Dpa total (eV-barns) 20-Ca-40
 Cross Section -2.913 To 14.26 %

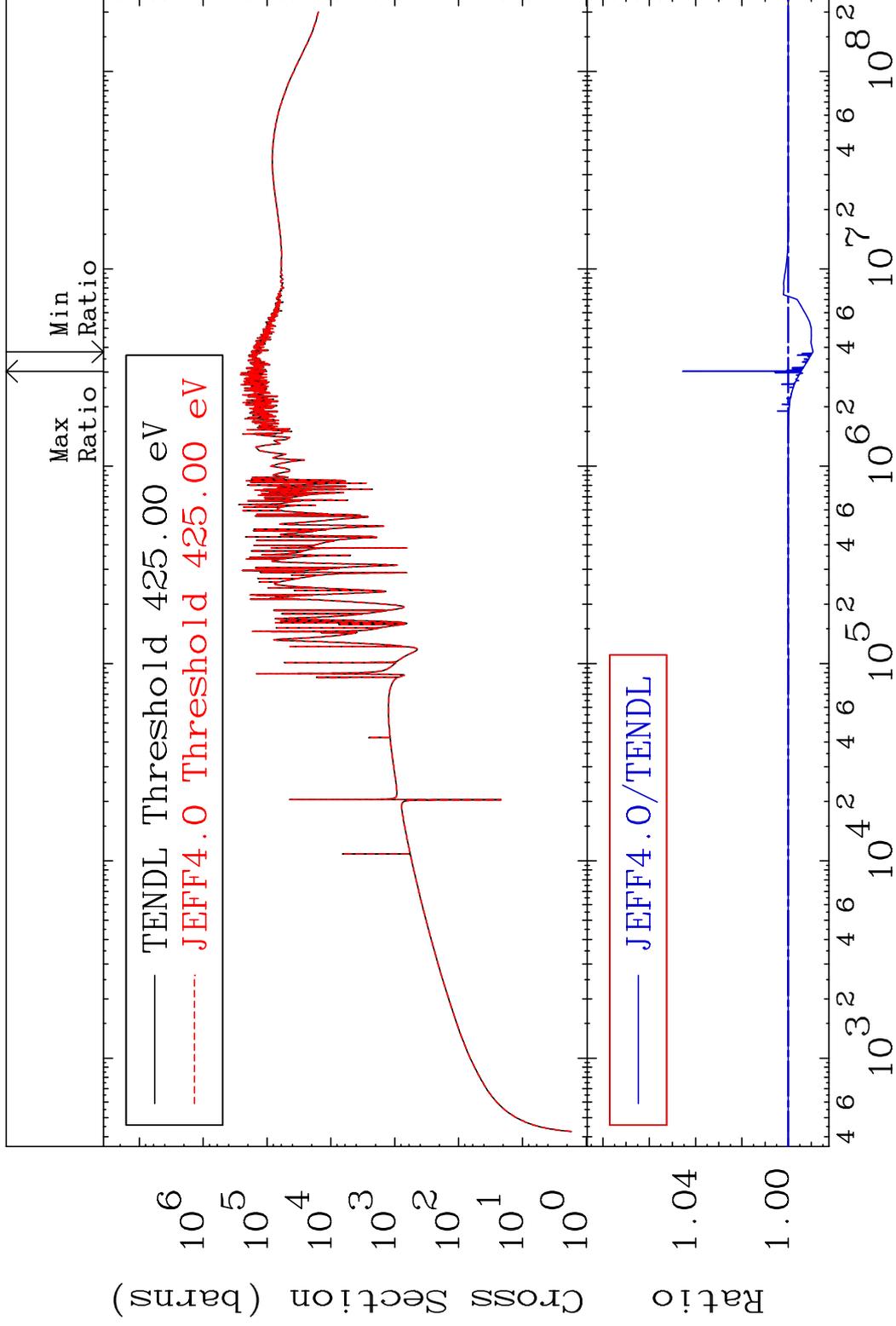


MAT 2025

Dpa elastic (mt2)

20-Ca-40

Cross Section -1.073 To 4.559 %

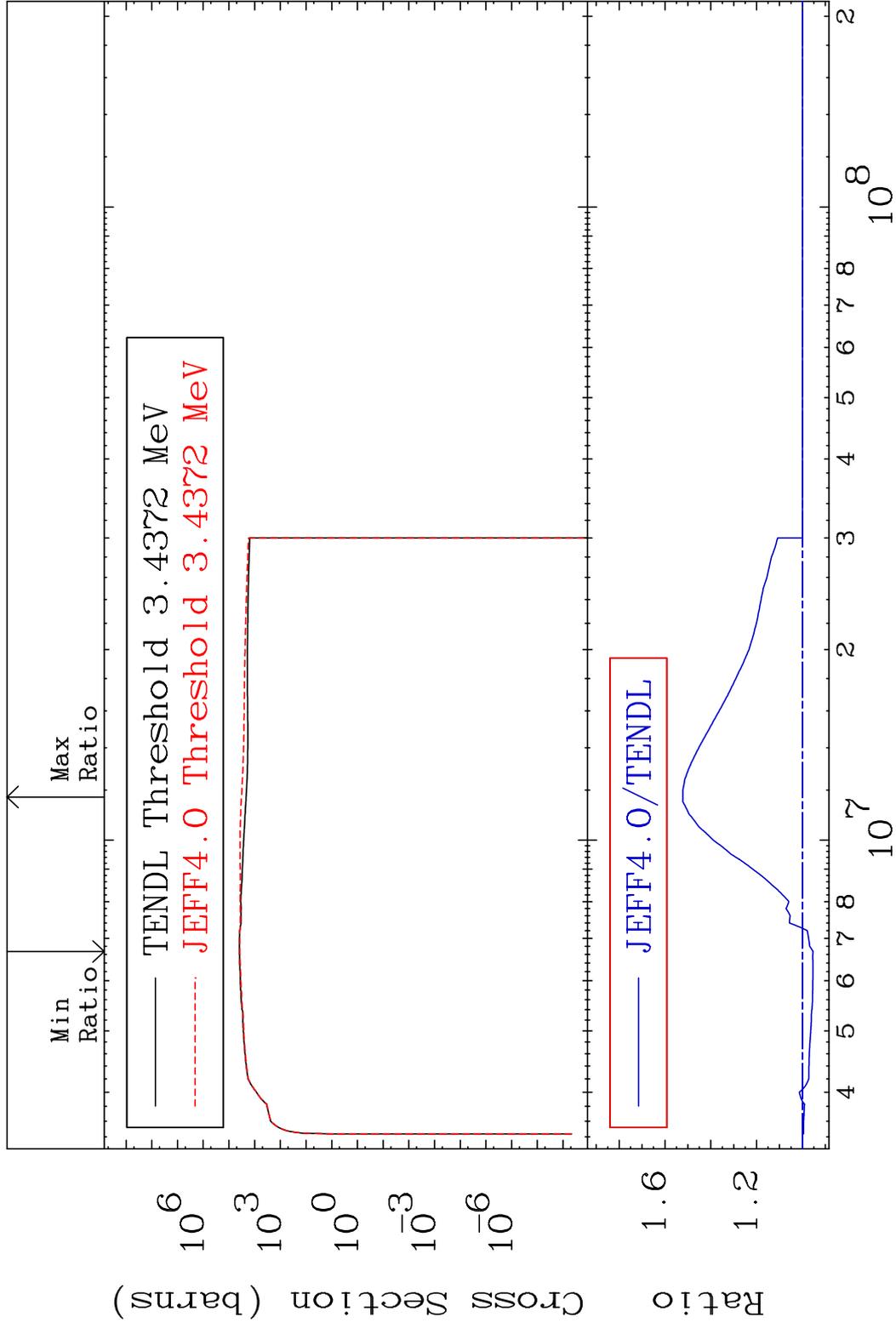


58

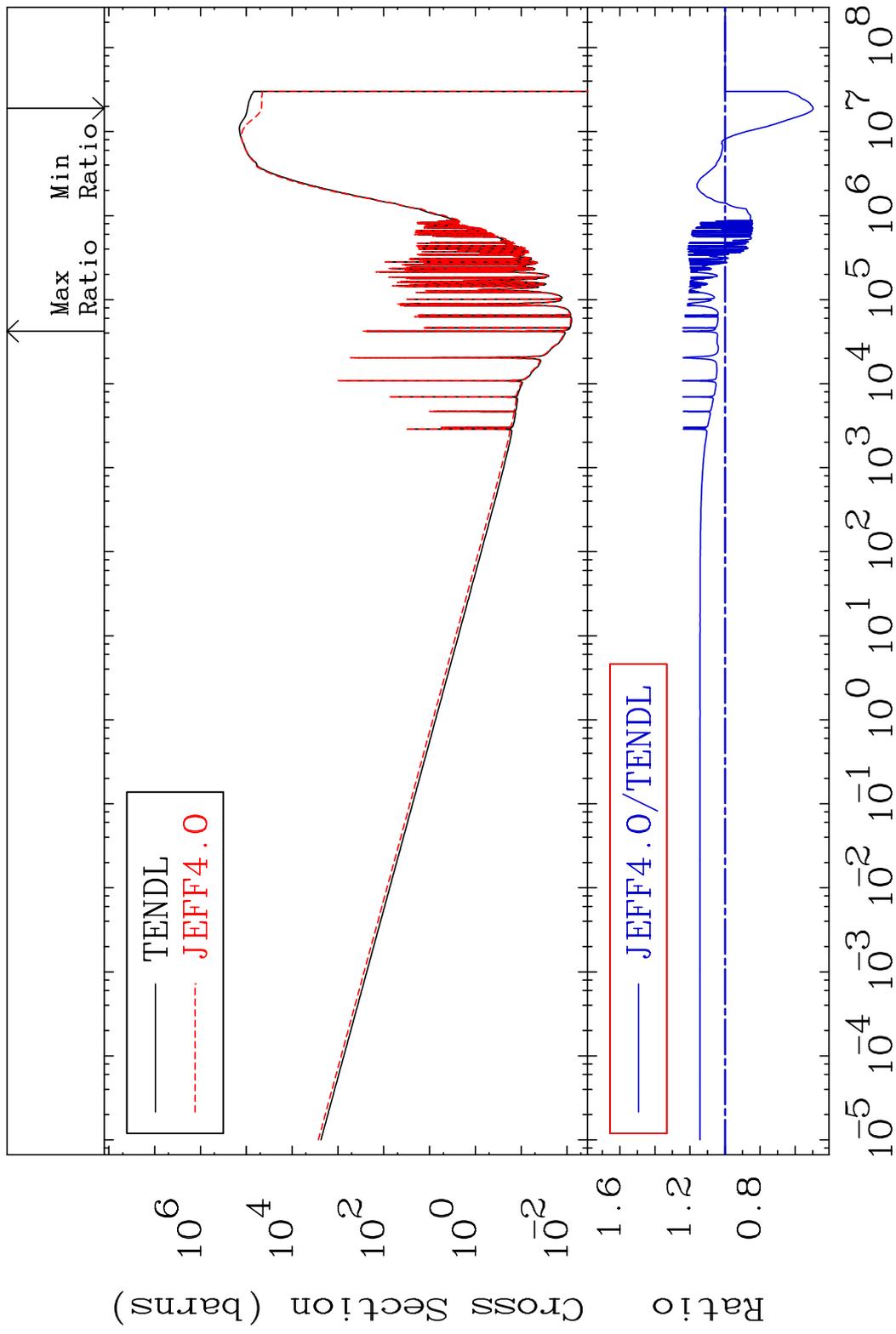
Incident Energy (eV)

20-Ca-40

MAT 2025 Dpa inelastic (mt51-91) 20-Ca-40
 Cross Section -4.675 To 52.20 %

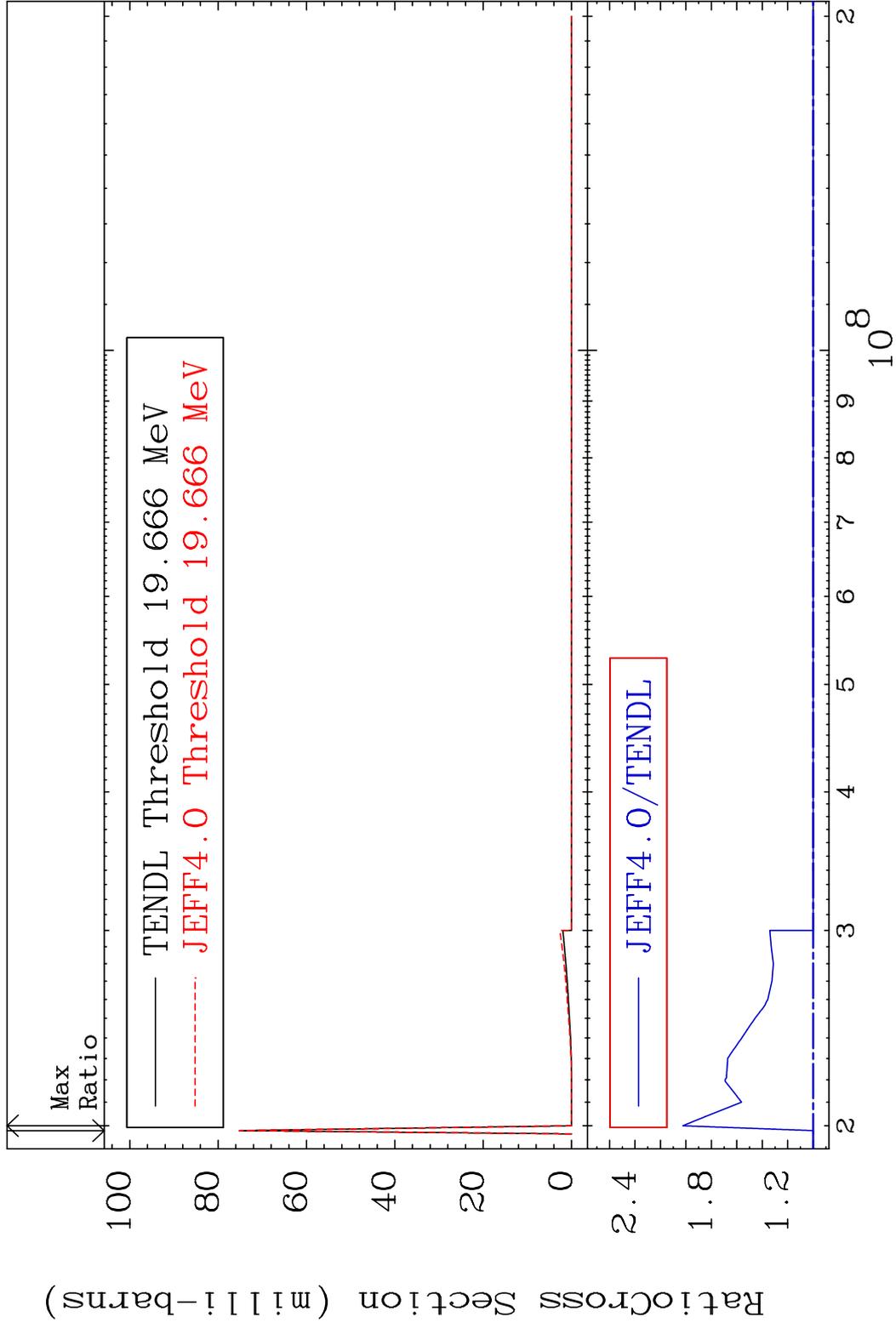


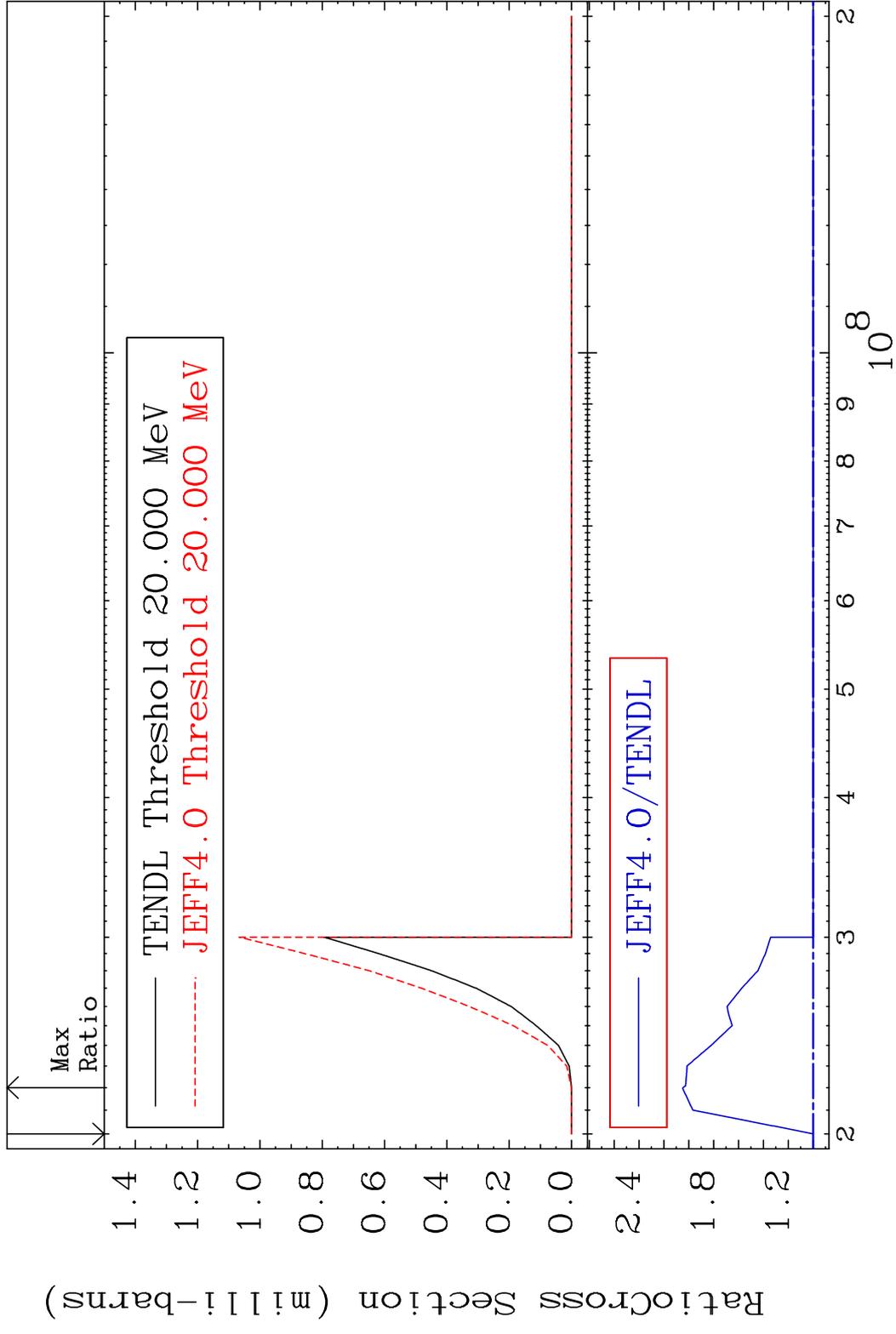
MAT 2025 Dpa disappearance (mt102 -120) 20-Ca-40
 Cross Section -50.29 To 24.08 %



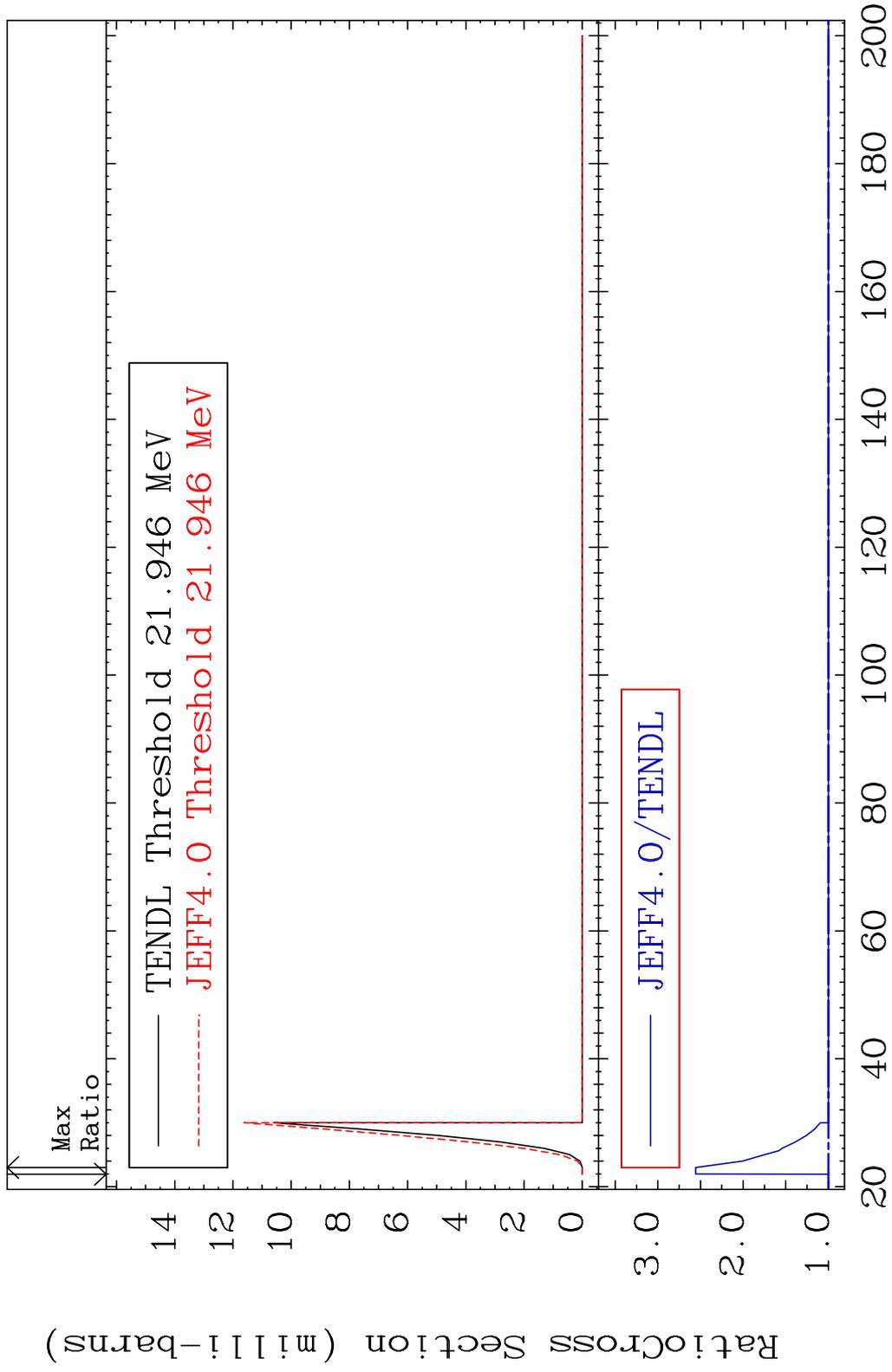
60 Incident Energy (eV) 20-Ca-40

MAT 2025 (n, n') d:19-K -38g 20-Ca-40
 Radionuclide Production Cross Section 102.4 %

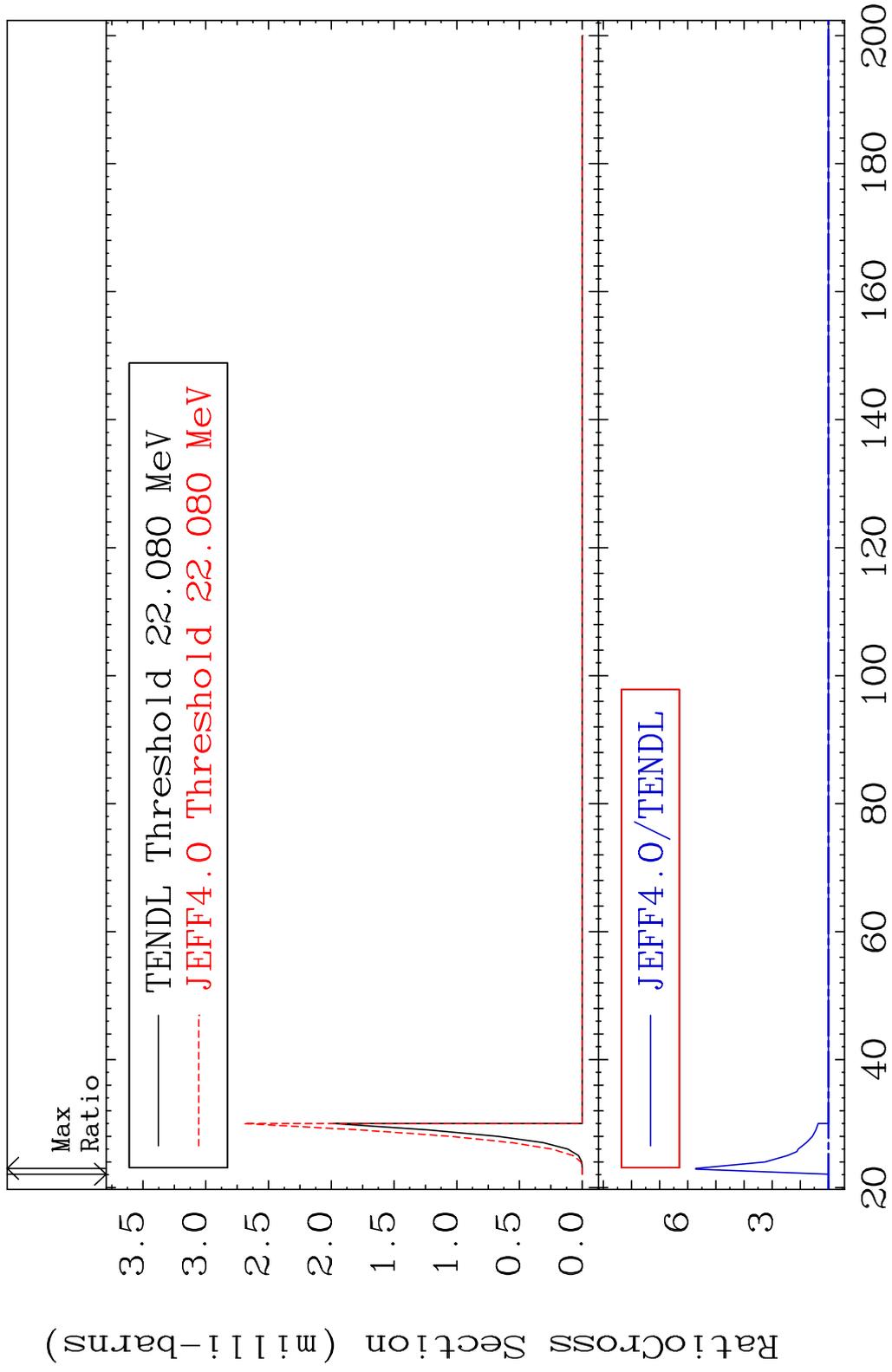




MAT 2025 (n,2n) p:19-K -38g 20-Ca-40
 Radionuclide Production Cross Section 155.7 %



MAT 2025 (n,2n) p:19-K -38m1 20-Ca-40
 Radionuclide Production Cross Section 472.0 %



MAT 2025 (n, t): 19-K -38g 20-Ca-40
 Radionuclide Production Cross Section 821.2 %

