

Program Complot
(Version 2018-1)

by

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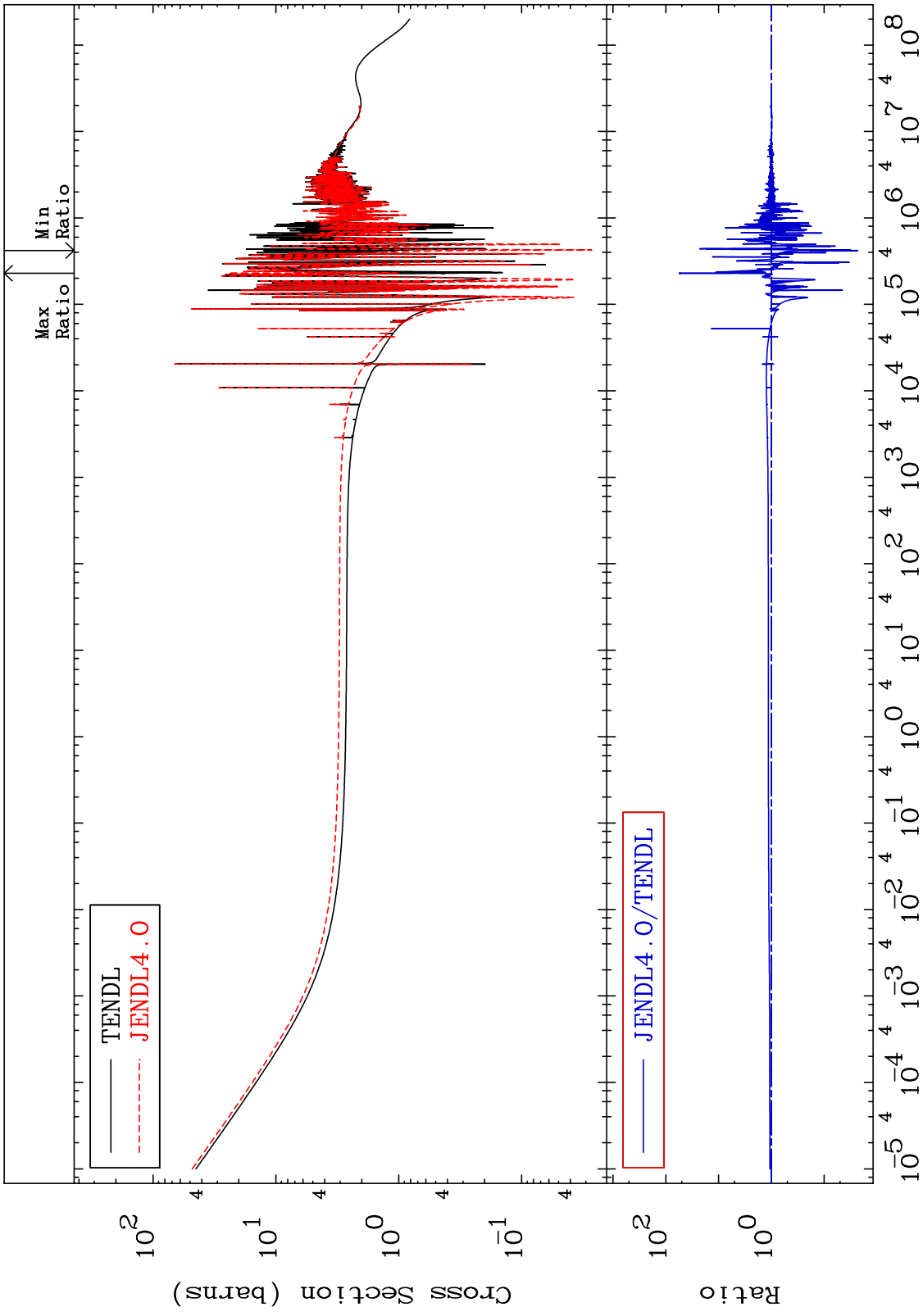
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2025 Total Cross Section 20-Ca-40 -97.69 To 5517. %

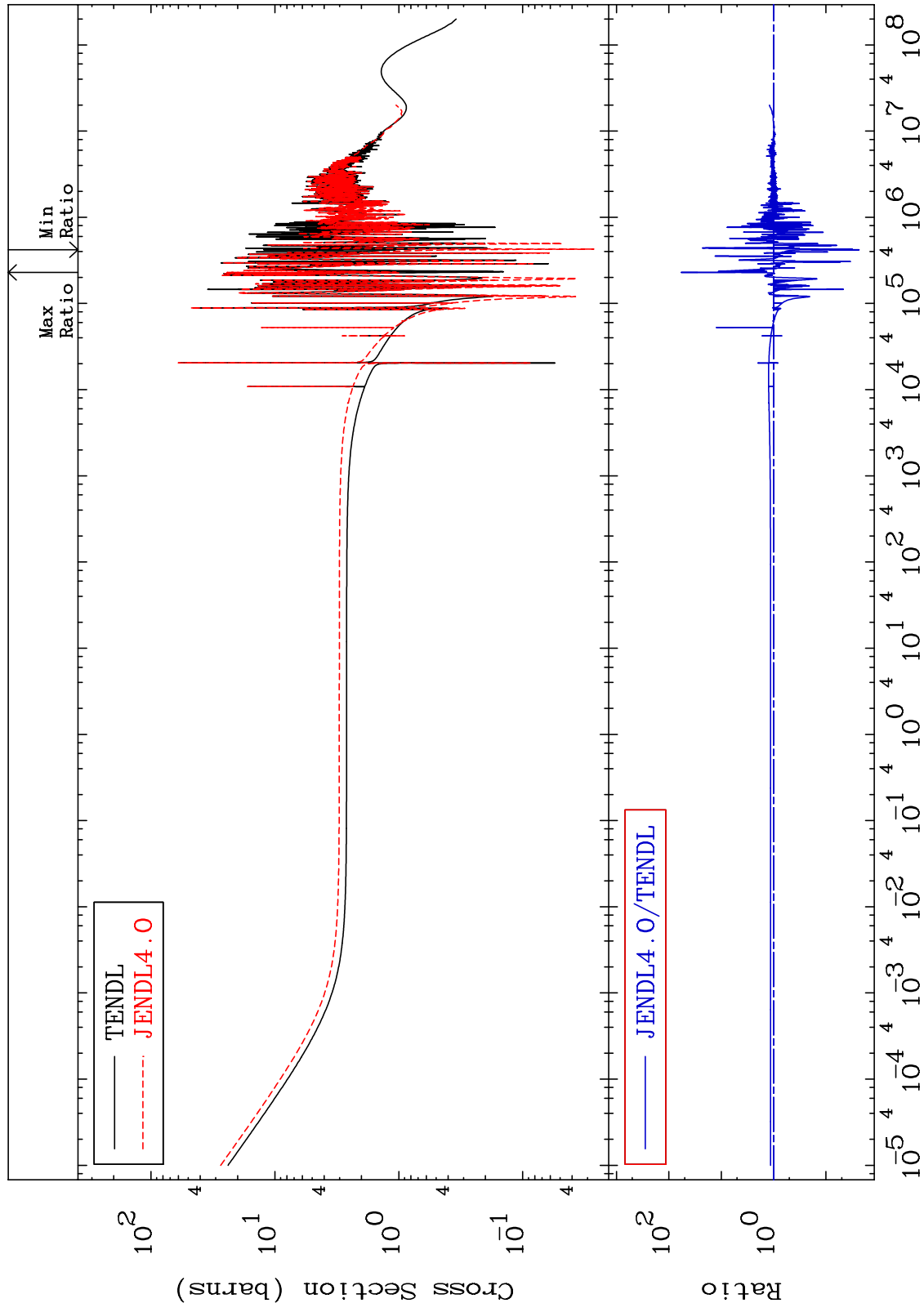


Incident Energy (eV) 20-Ca-40

MAT 2025

Elastic
Cross Section

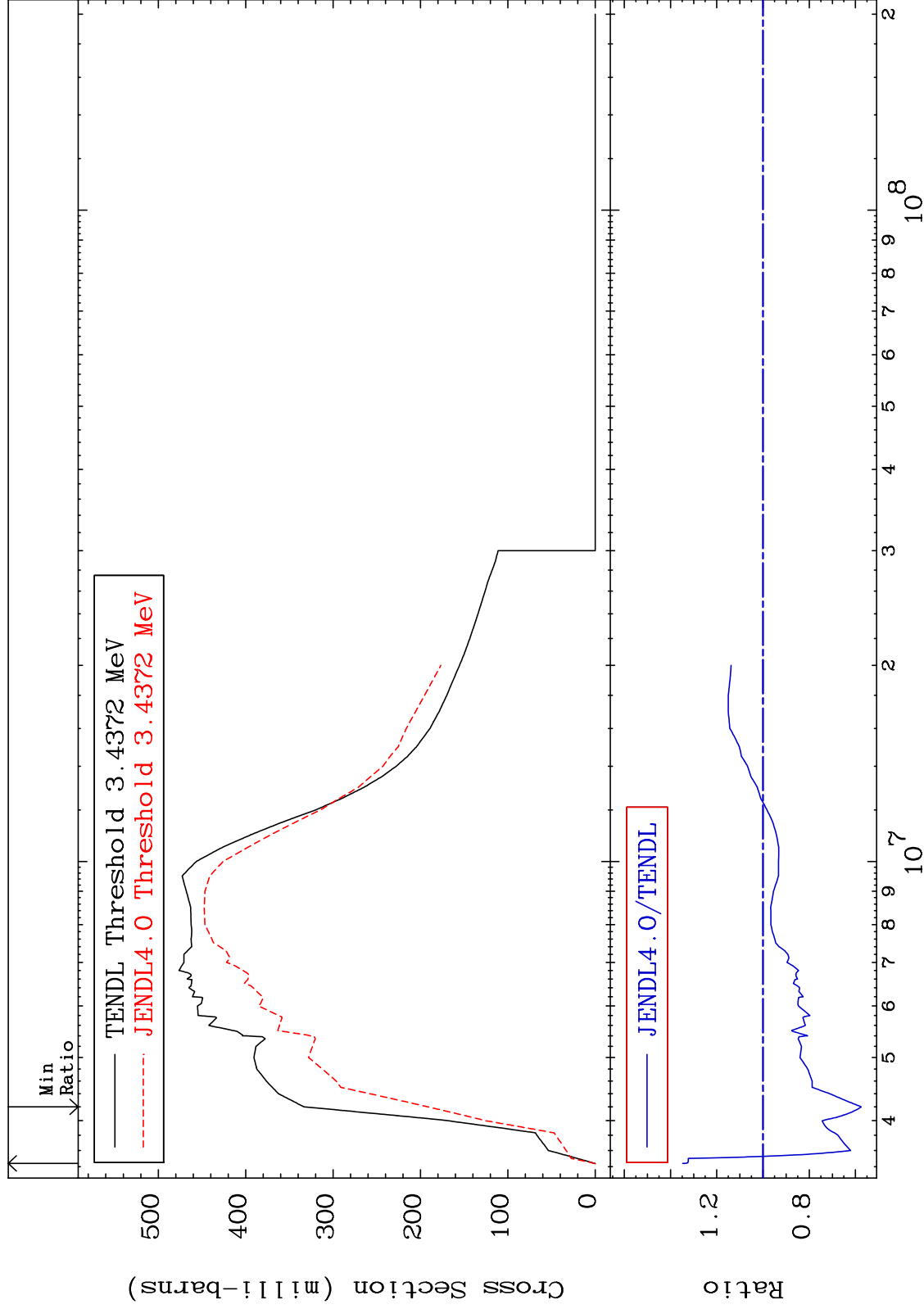
20-Ca-40
-97.66 To 5806. %



MAT 2025

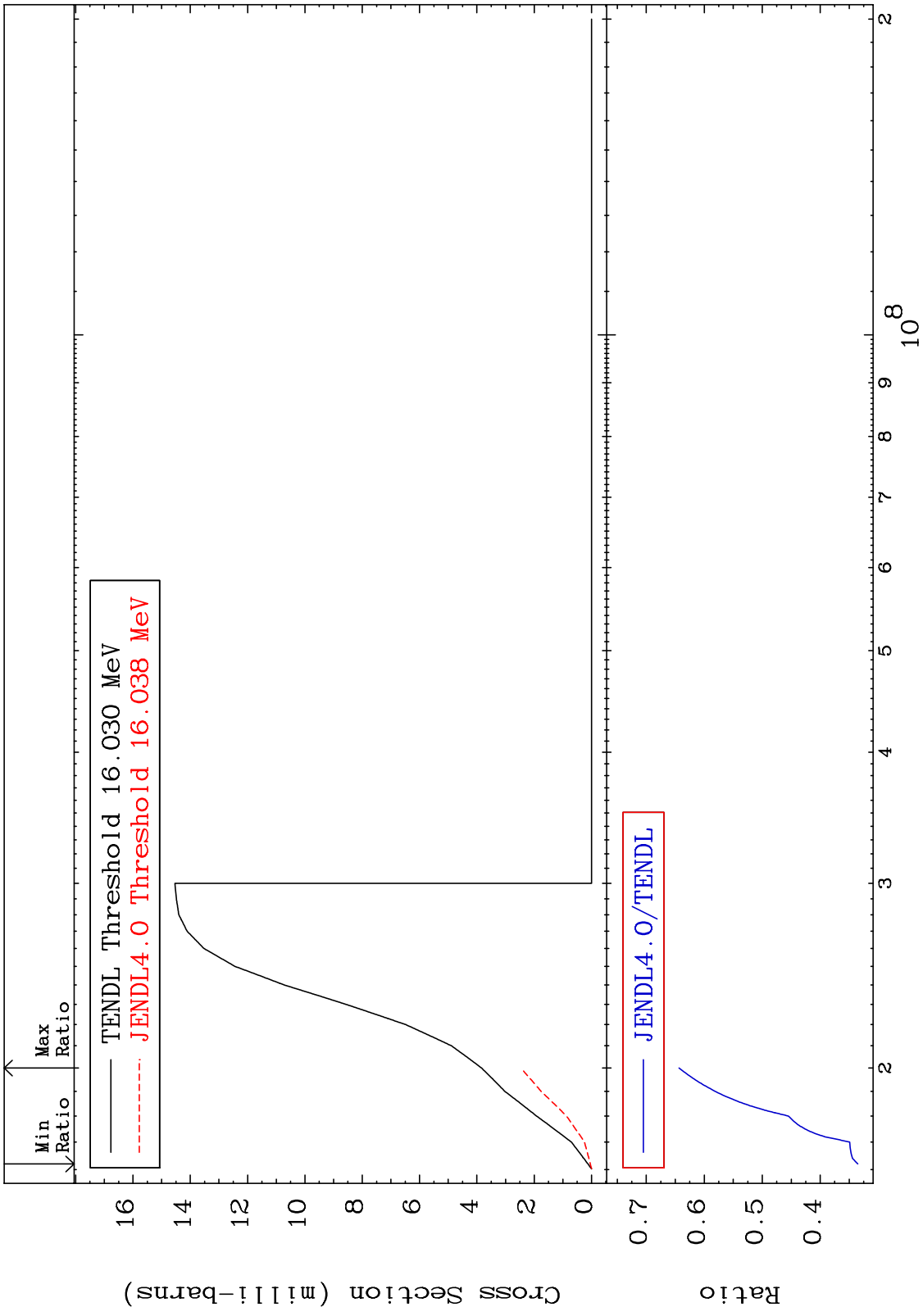
Inelastic
Cross Section

20-Ca-40
-42.53 To 34.74 %

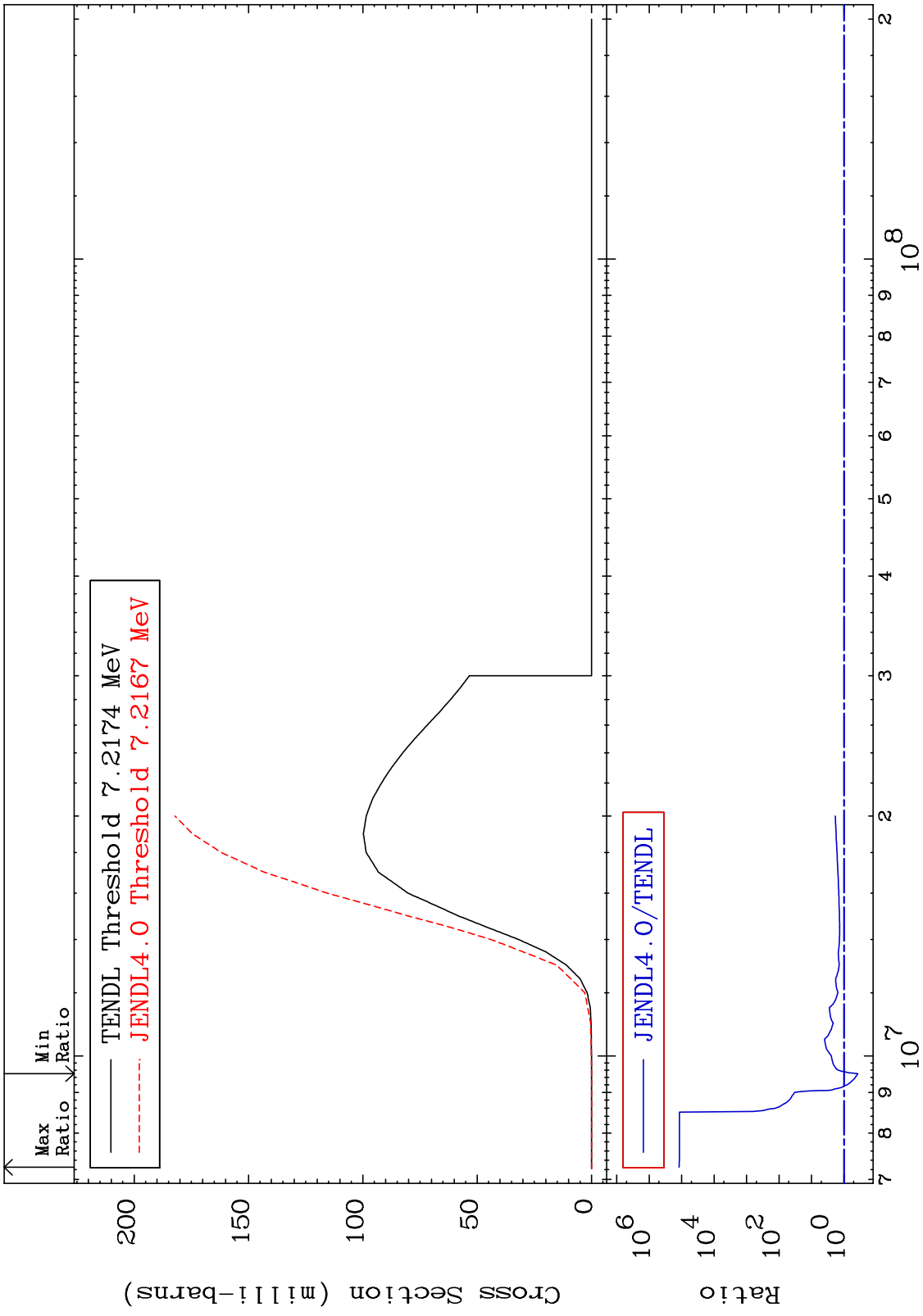


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MAT 2025 (n,2n) Cross Section 20-Ca-40 -66.49 To -35.65%

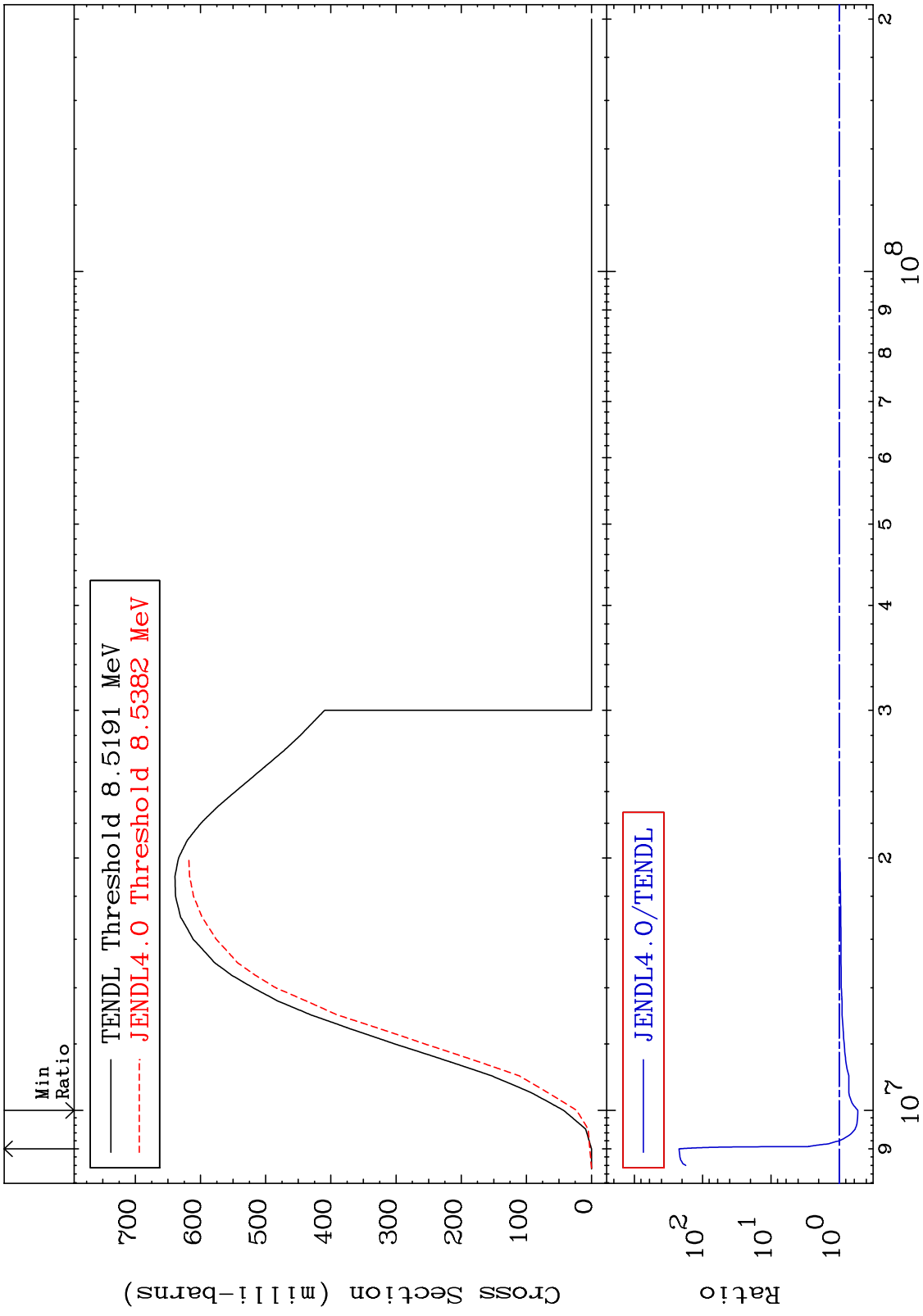


MAT 2025 (n,n') α 20-Ca-40
Cross Section -62.62 To 9999. %



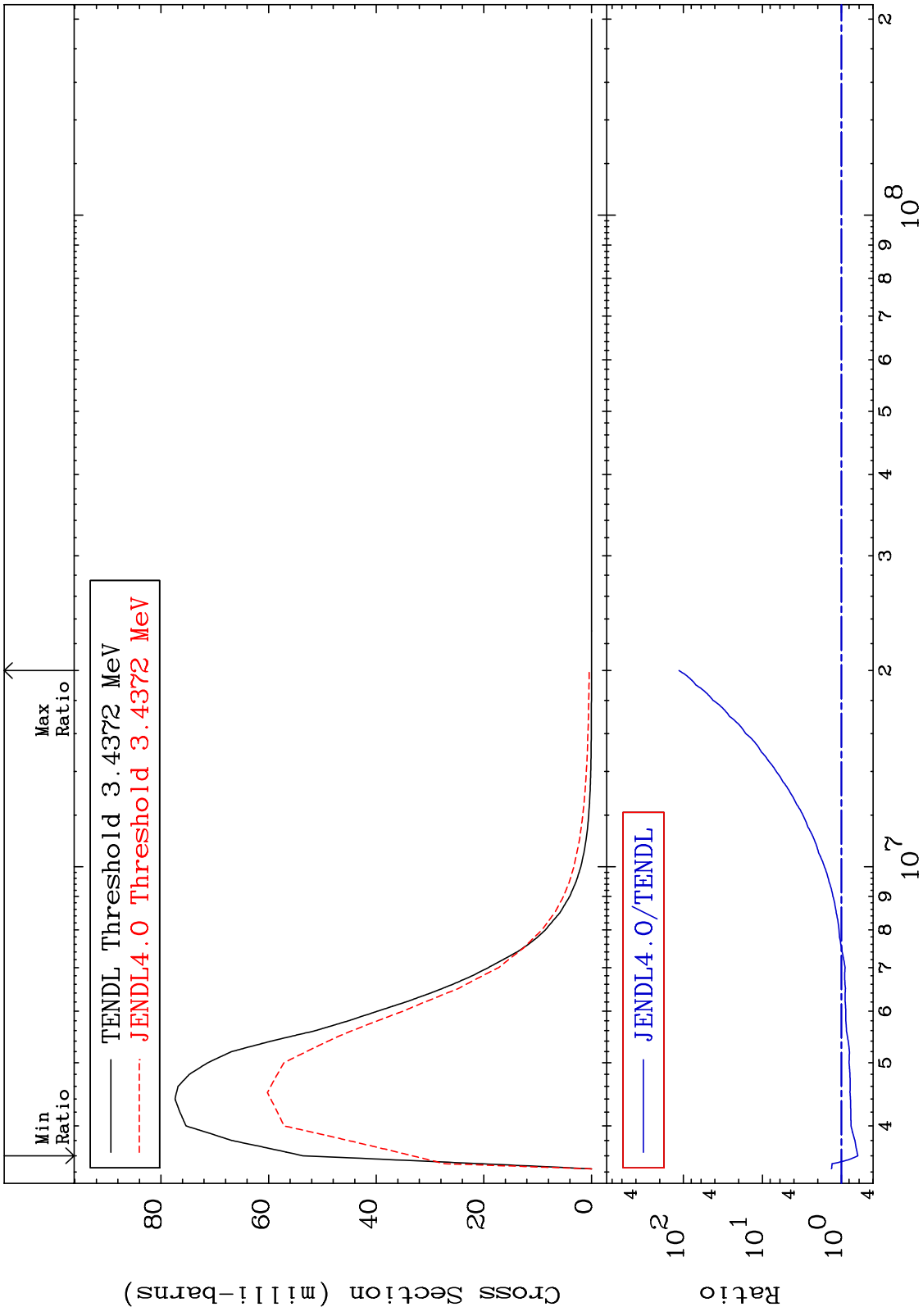
5 Incident Energy (eV) 20-Ca-40

MAT 2025 (n,n') p 20-Ca-40
Cross Section -46.67 To 9999. %



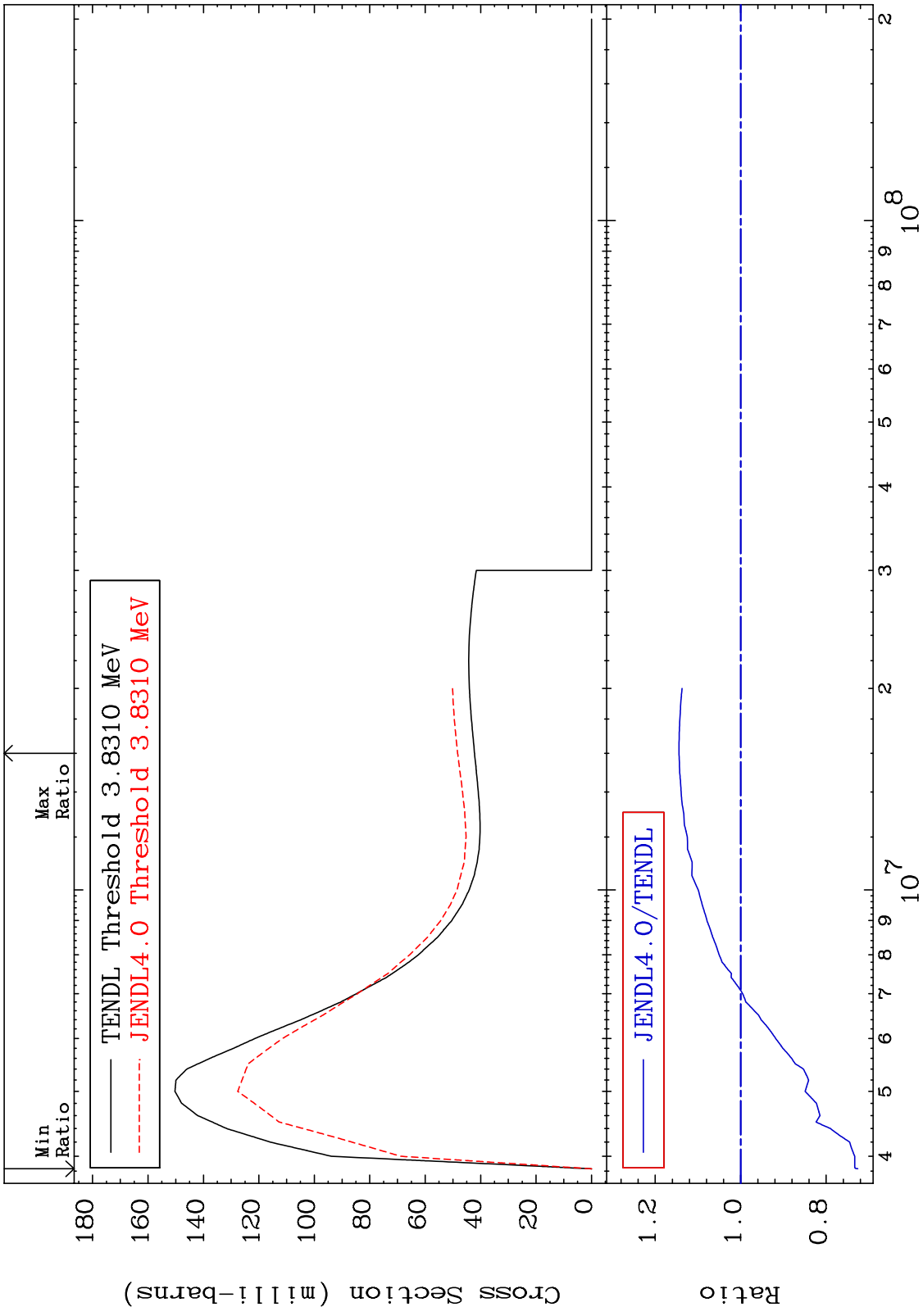
6 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 51 (n,n') Level Cross Section -37.89 To 9999. % 20-Ca-40



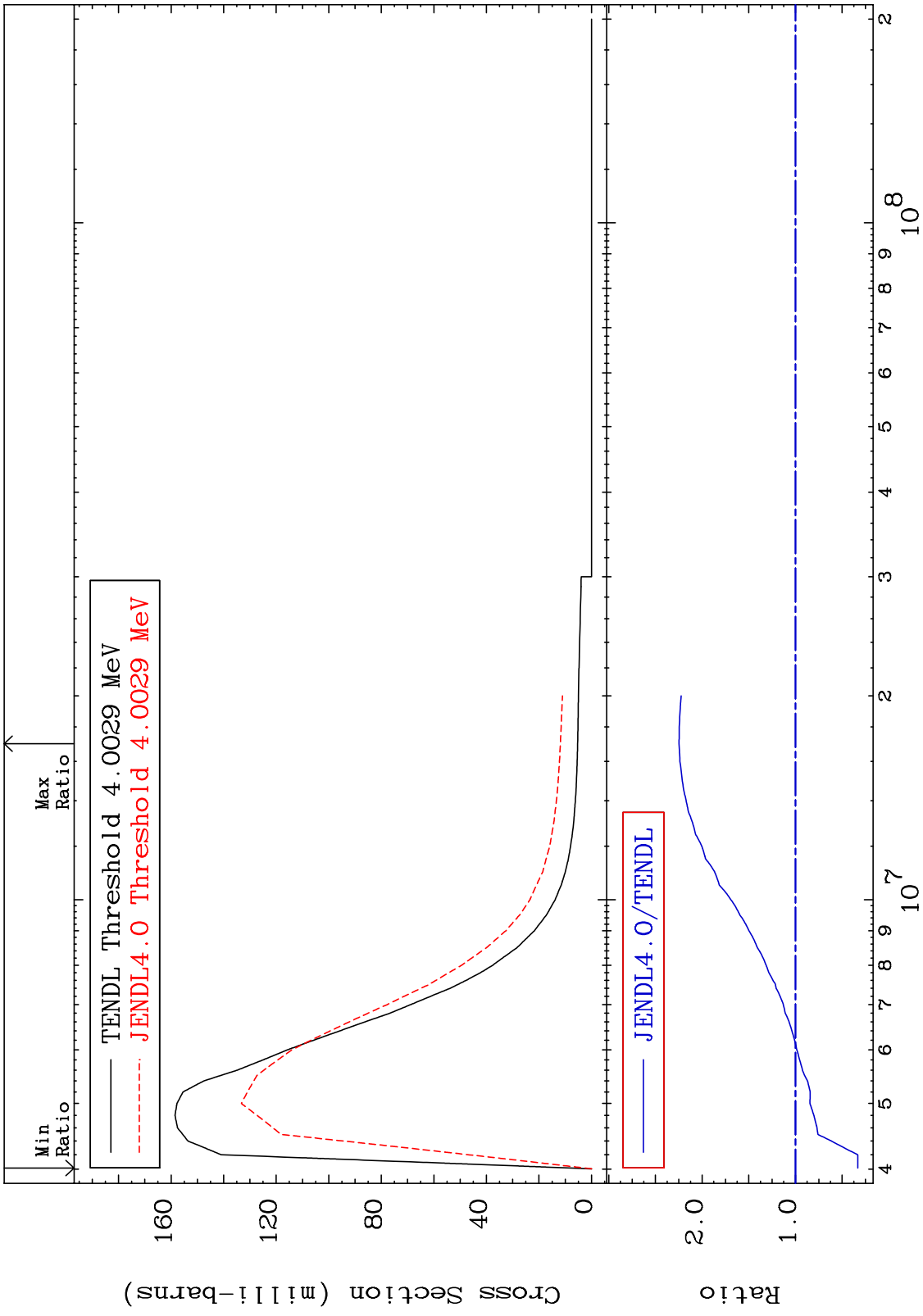
7

MAT 2025 MT= 52 (n,n') Level Cross Section -27.41 To 14.43 % 20-Ca-40



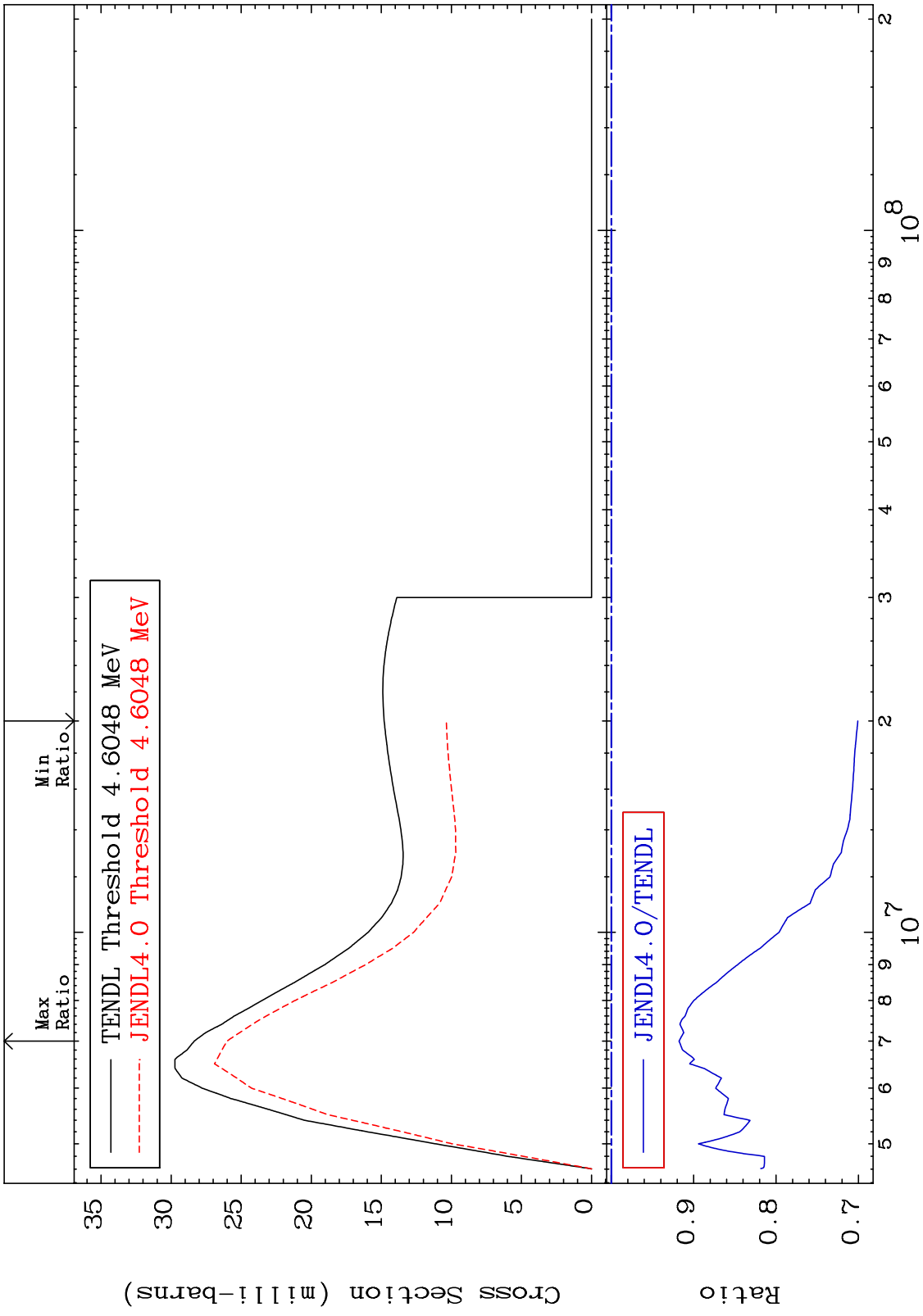
8 20-Ca-40

MAT 2025 MT= 53 (n,n') Level Cross Section -66.83 To 124.7 % 20-Ca-40

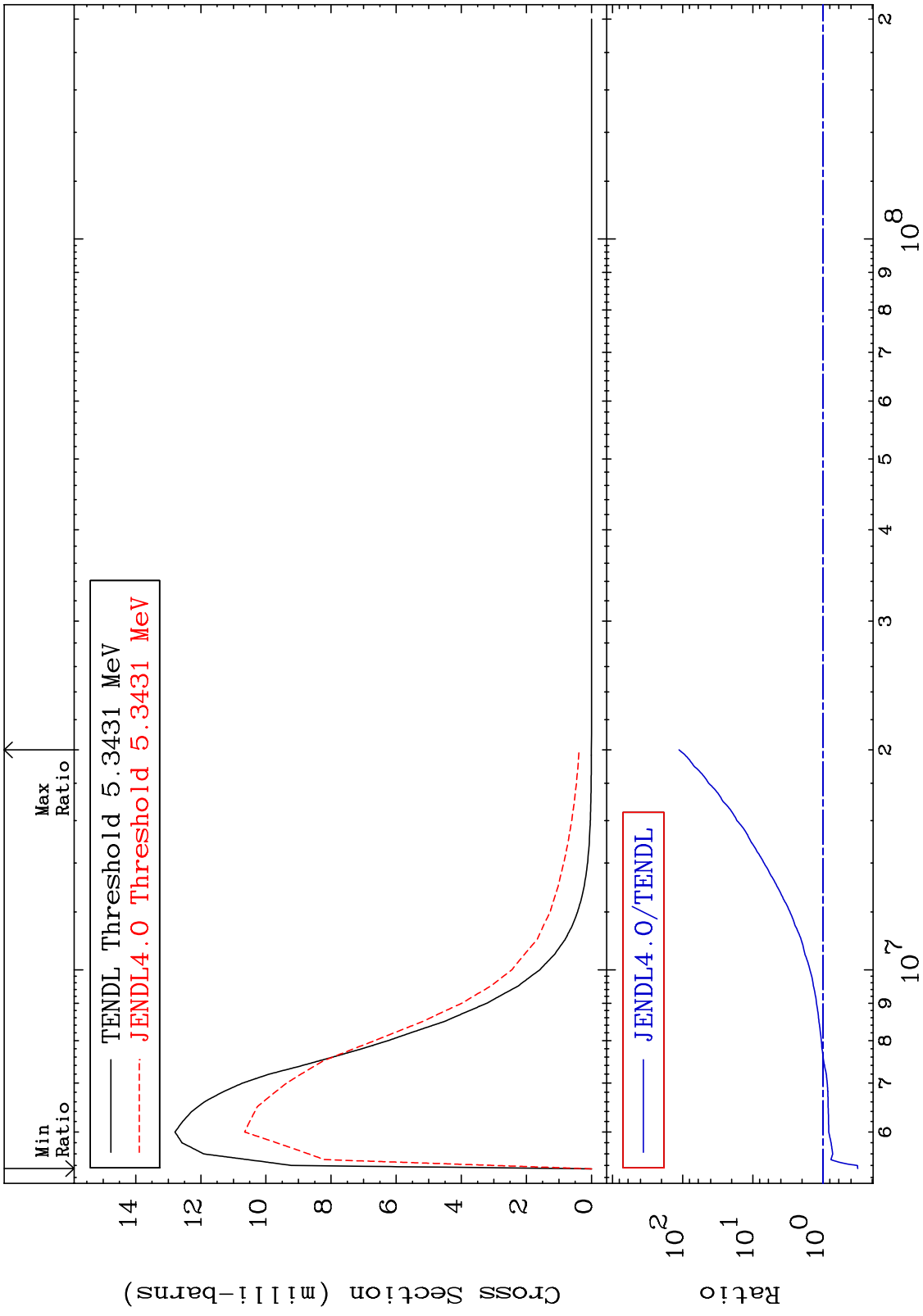


9 Incident Energy (eV) 20-Ca-40

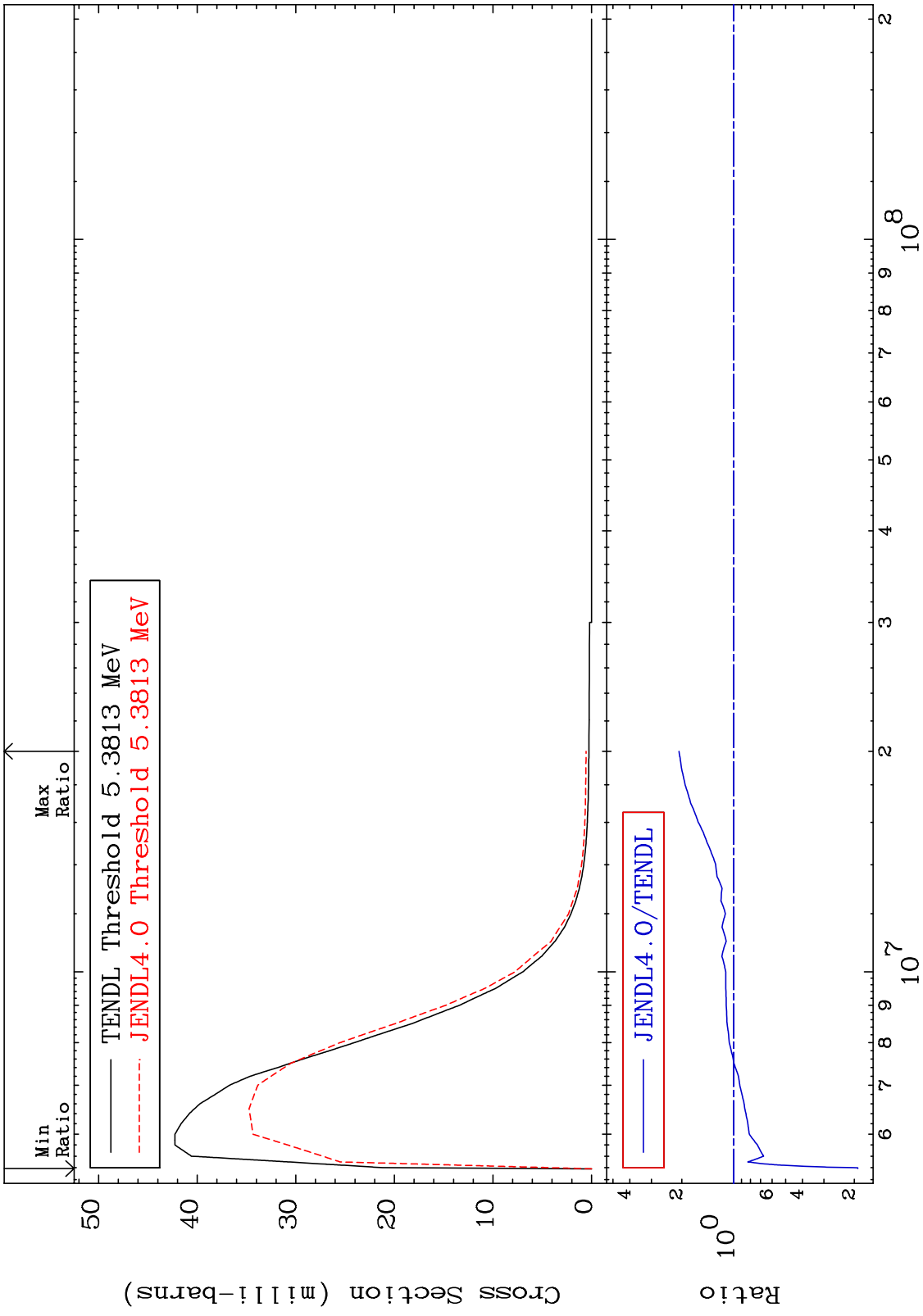
MAT 2025 MT= 54 (n,n') Level Cross Section -29.92 To -8.221% 20-Ca-40



MAT 2025 MT= 55 (n,n') Level Cross Section -68.00 To 9999. % 20-Ca-40



MAT 2025 MT= 56 (n,n') Level Cross Section -80.90 To 107.3 % 20-Ca-40

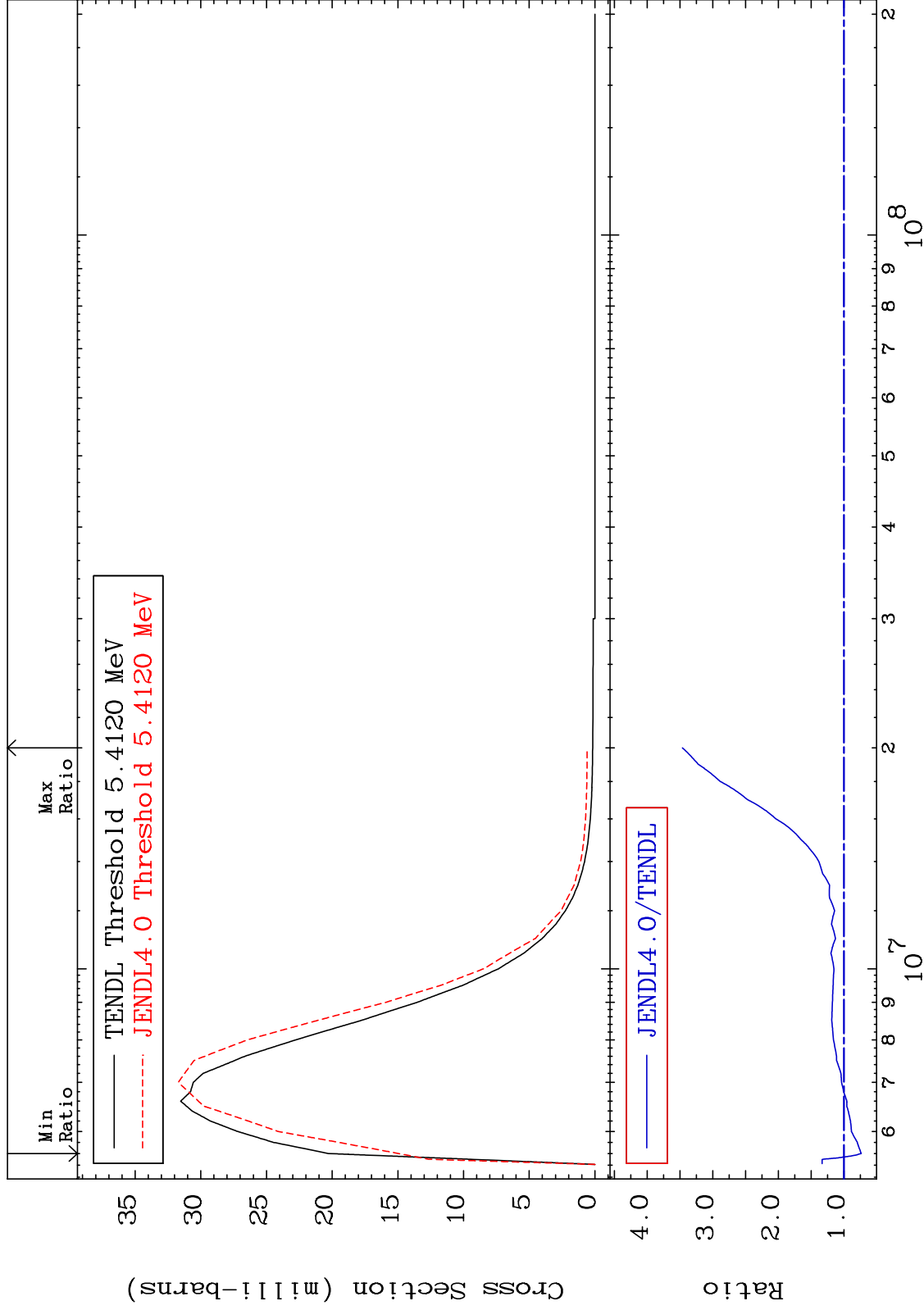


12 20-Ca-40

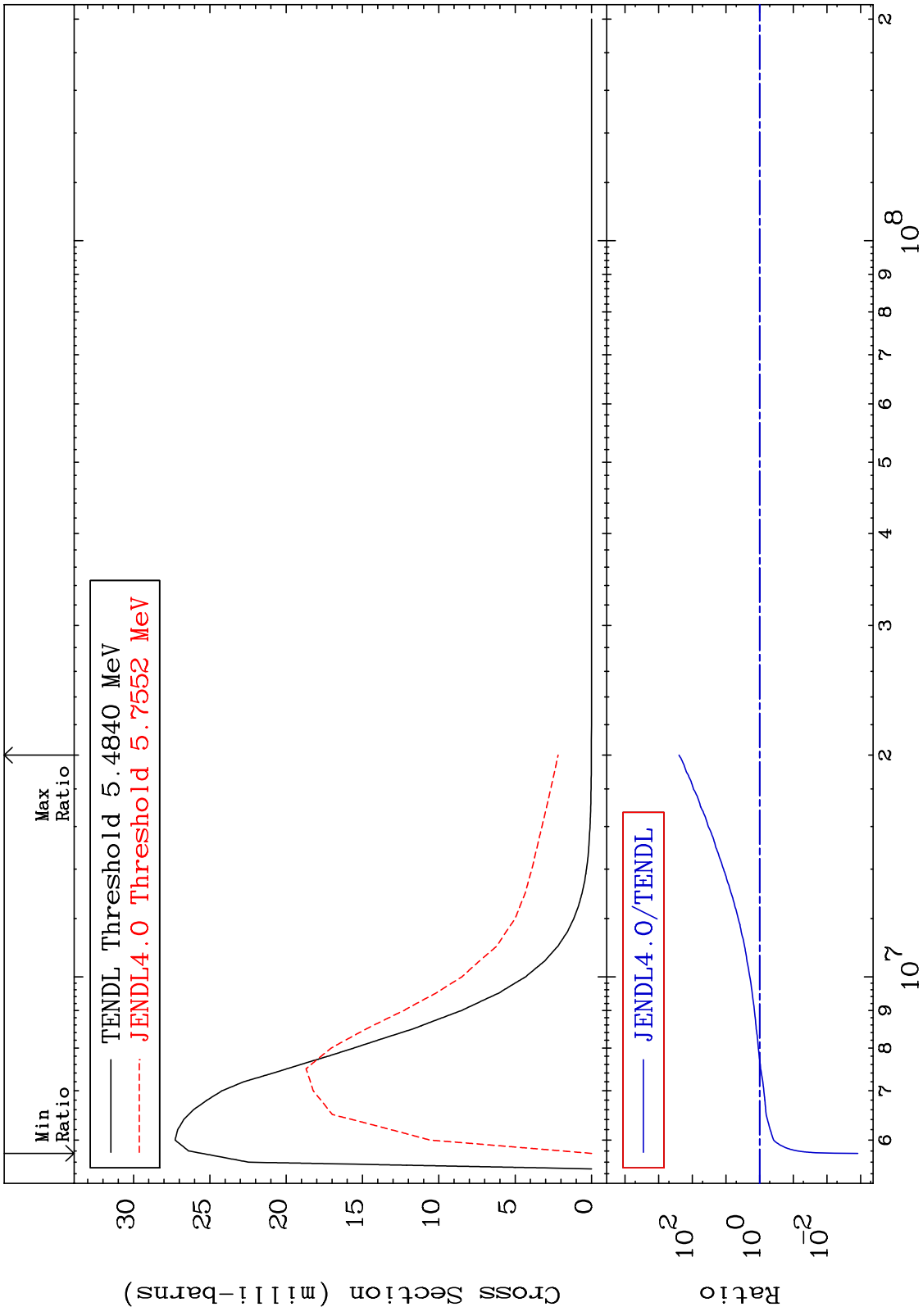
MAT 2025

MT= 57 (n,n') Level
Cross Section

20-Ca-40
-26.31 To 246.2 %



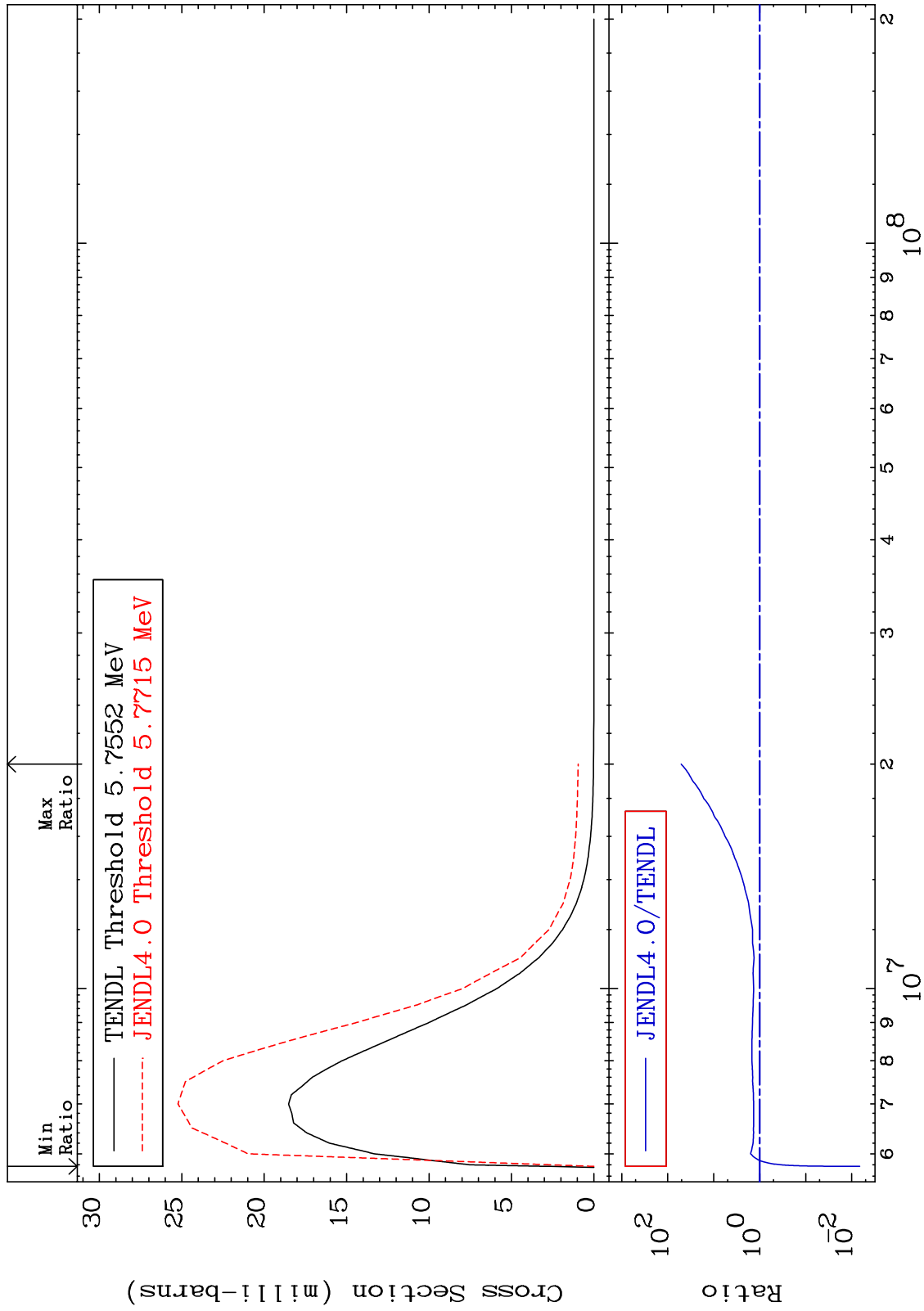
MAT 2025 MT= 58 (n,n') Level Cross Section 20-Ca-40 -99.88 To 9999. %



MAT 2025

MT= 59 (n,n') Level
Cross Section

20-Ca-40
-99.33 To 4986. %



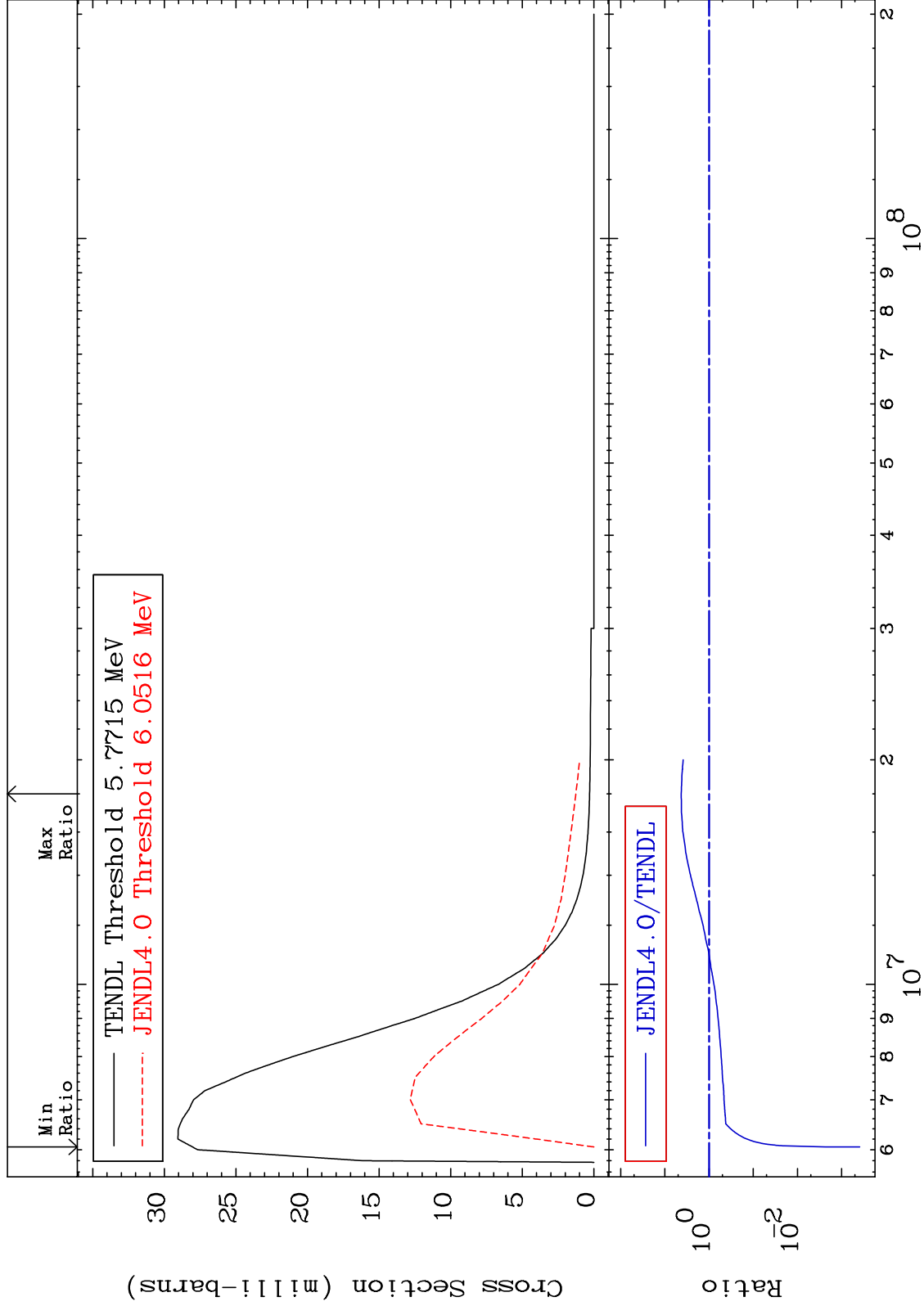
15

20-Ca-40

MAT 2025

MT= 60 (n,n') Level
Cross Section

20-Ca-40
-99.96 To 325.4 %

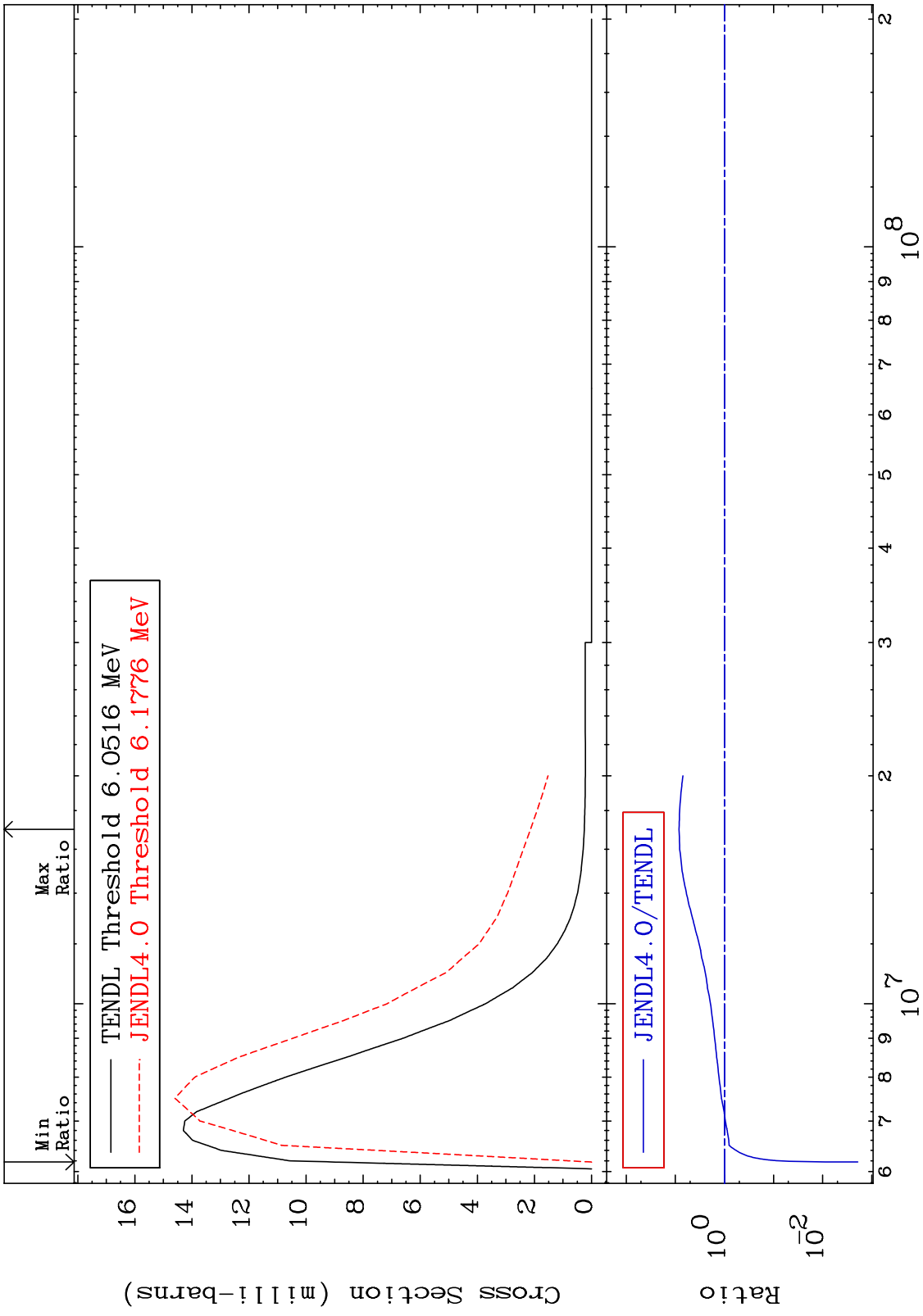


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Incident Energy (eV)

20-Ca-40

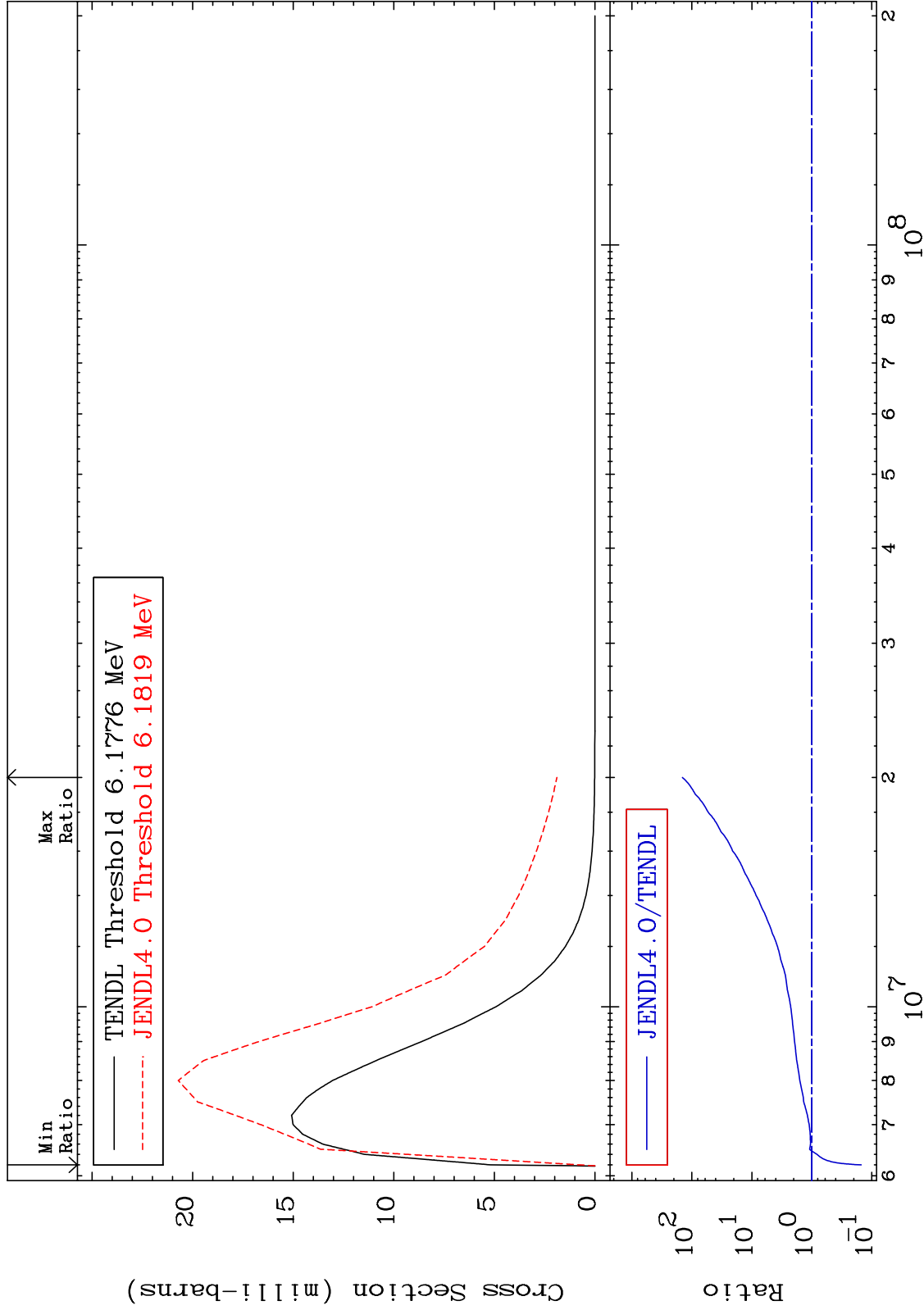
MAT 2025 MT= 61 (n,n') Level Cross Section -99.81 To 740.8 % 20-Ca-40



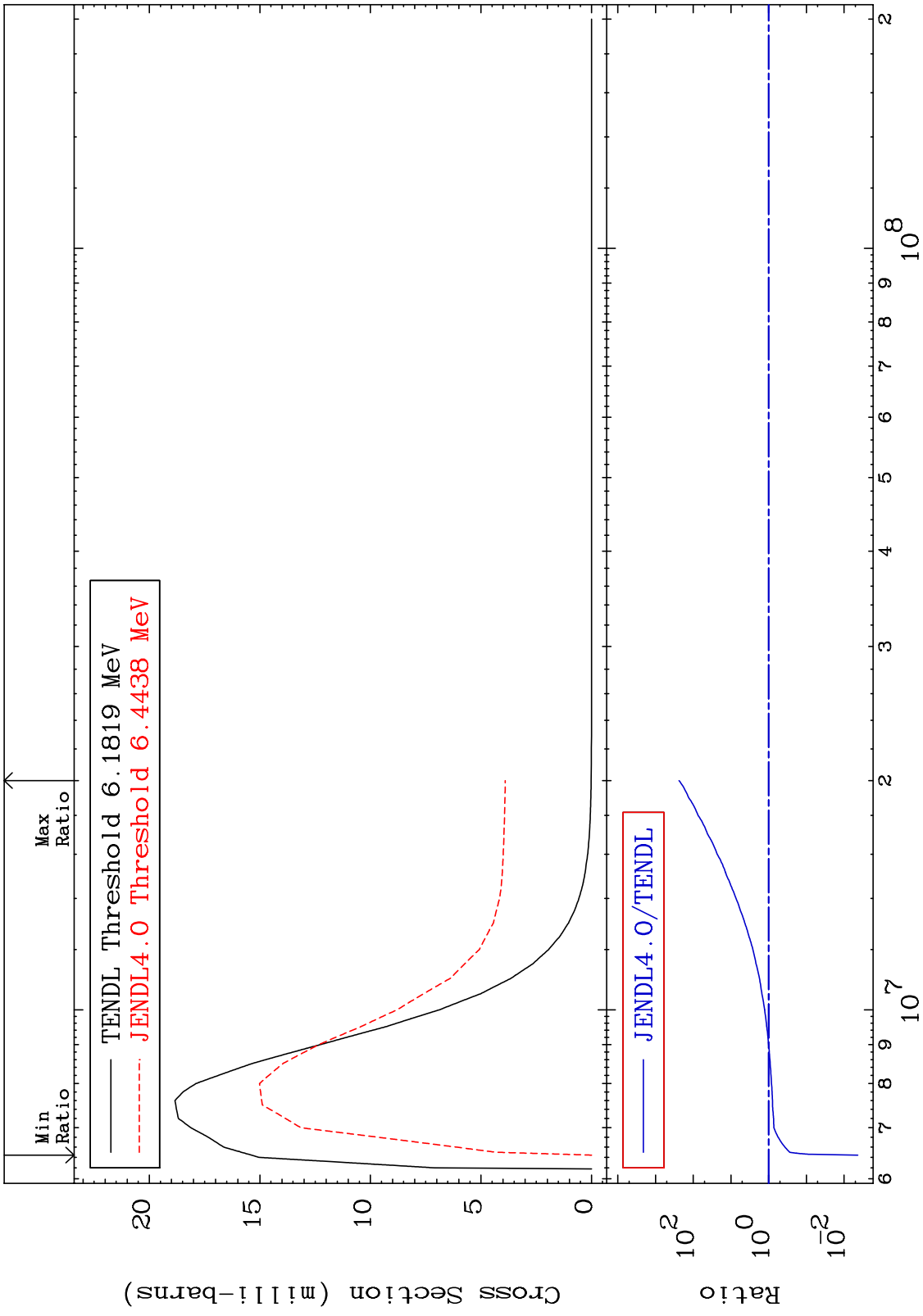
MAT 2025

MT= 62 (n,n') Level
Cross Section

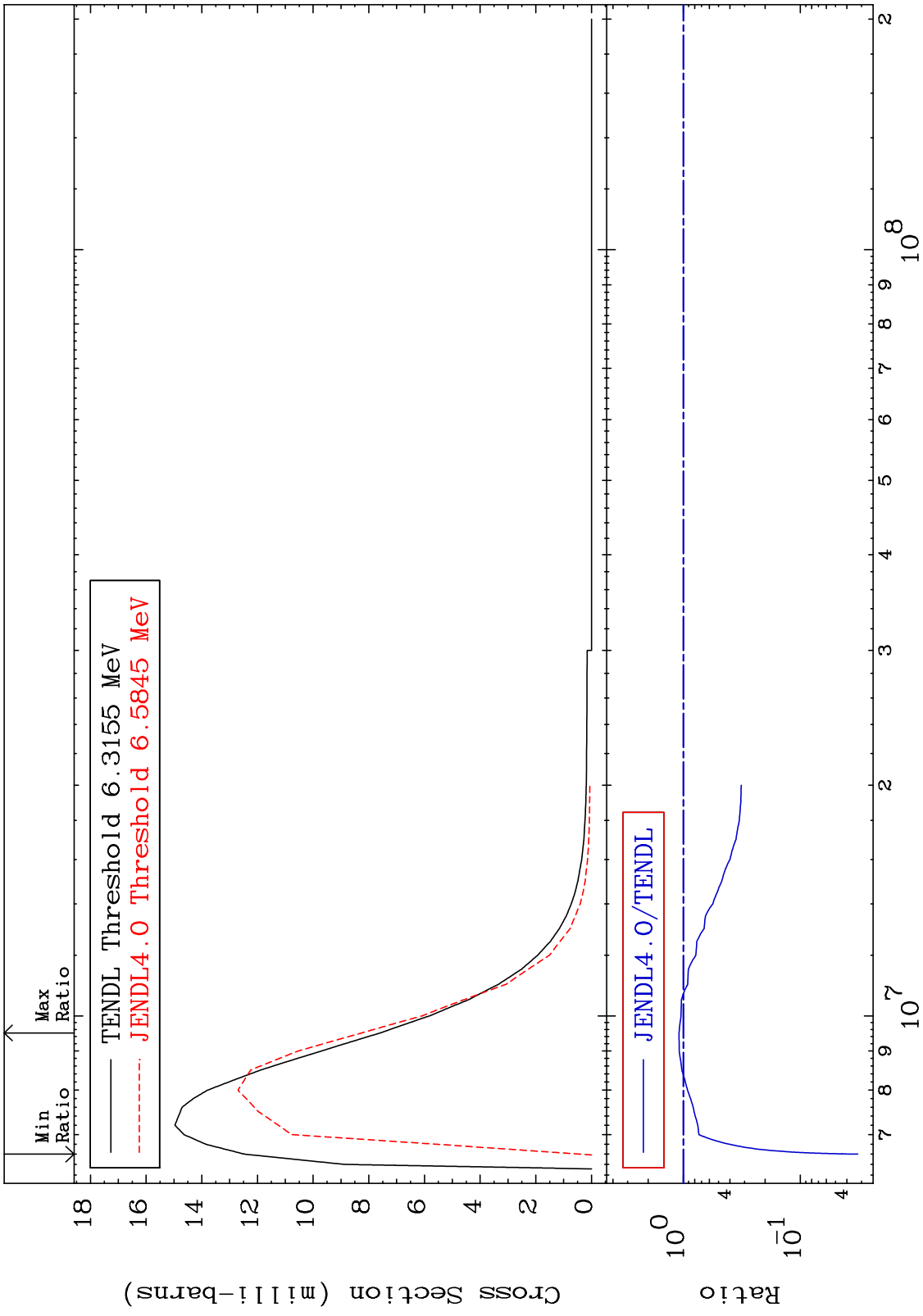
20-Ca-40
-85.01 To 9999. %



MAT 2025 MT= 63 (n,n') Level Cross Section -99.57 To 9999. % 20-Ca-40

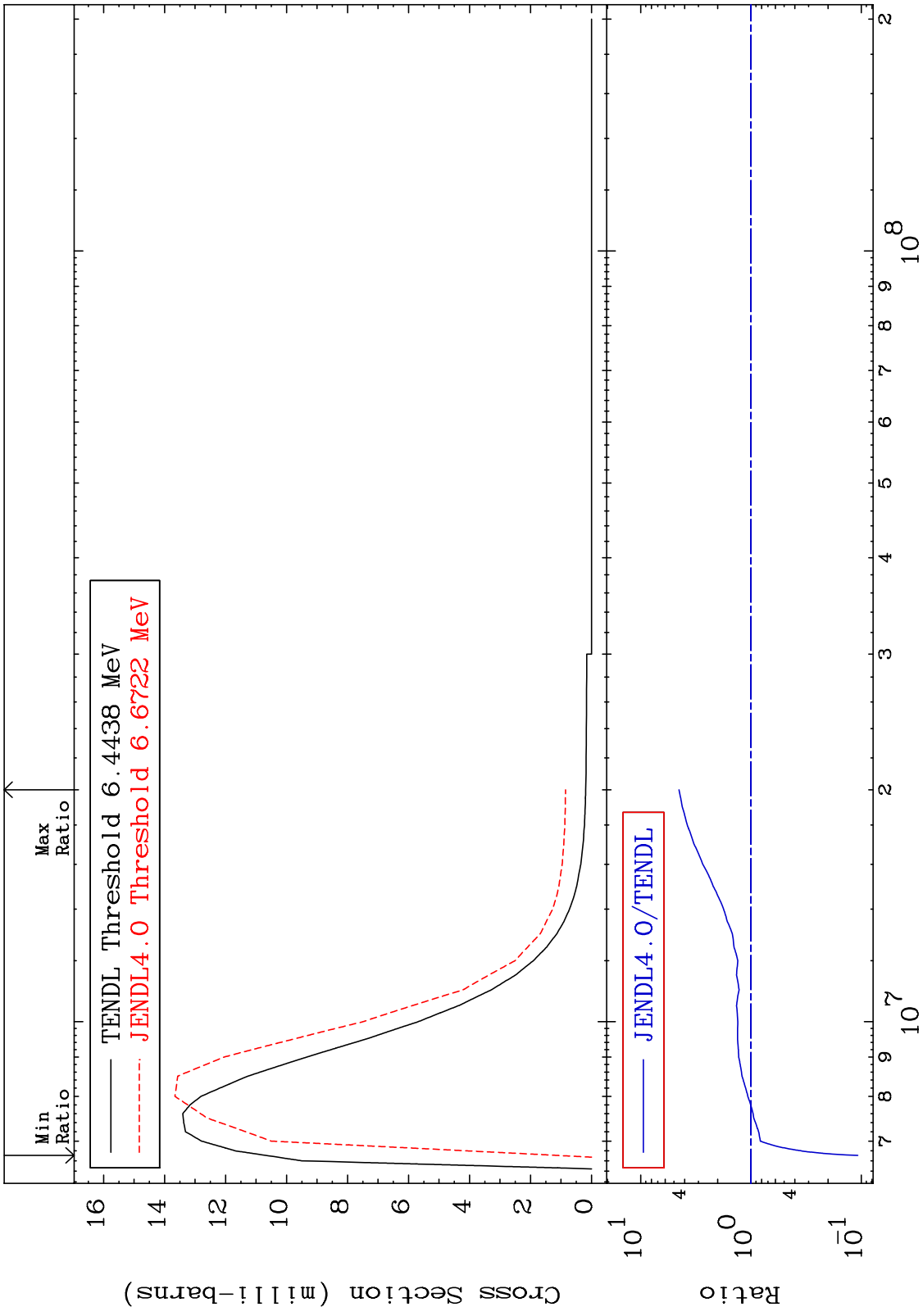


MAT 2025 MT= 64 (n,n') Level Cross Section -96.78 To 8.774 % 20-Ca-40

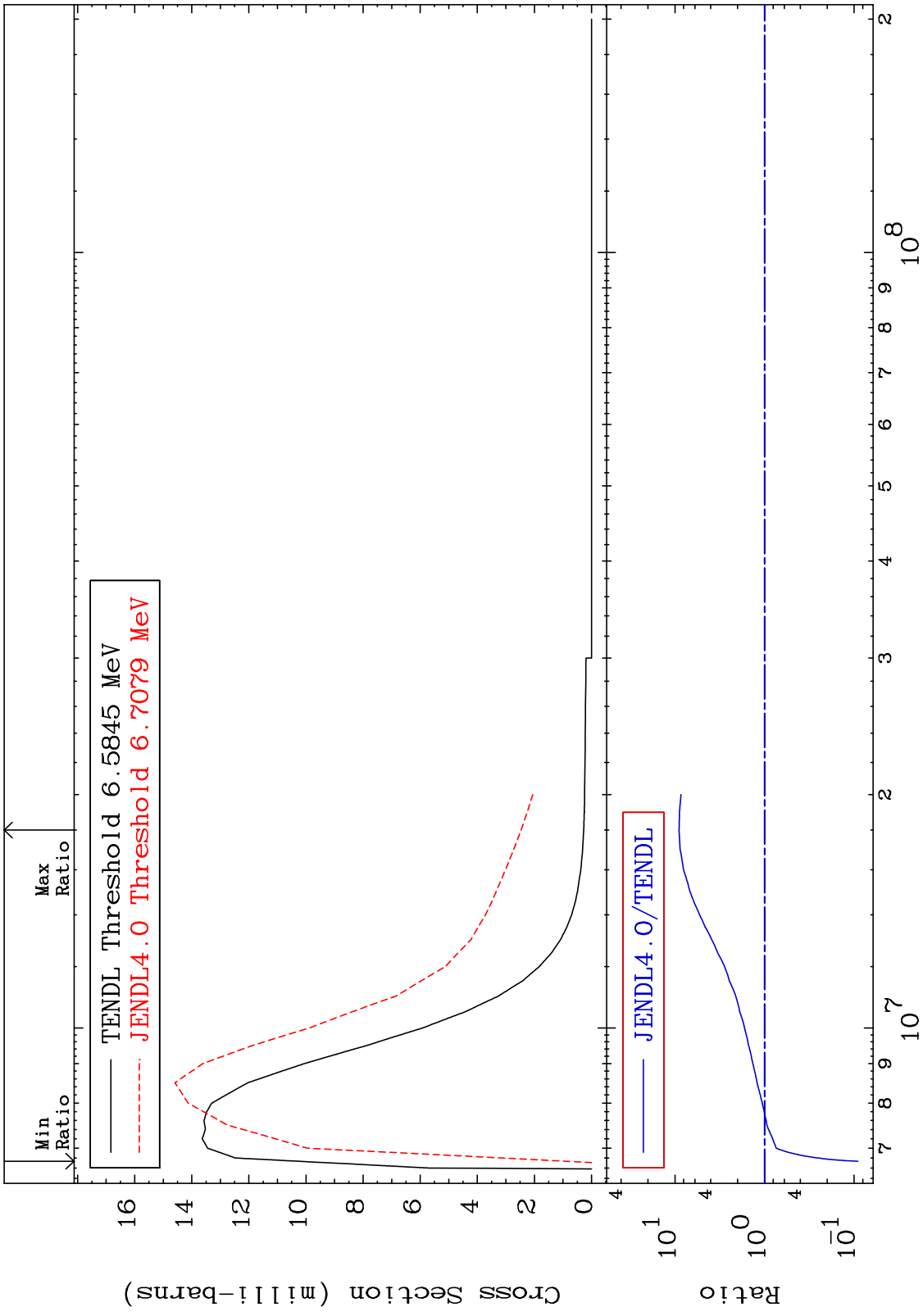


20 Incident Energy (eV) 20-Ca-40

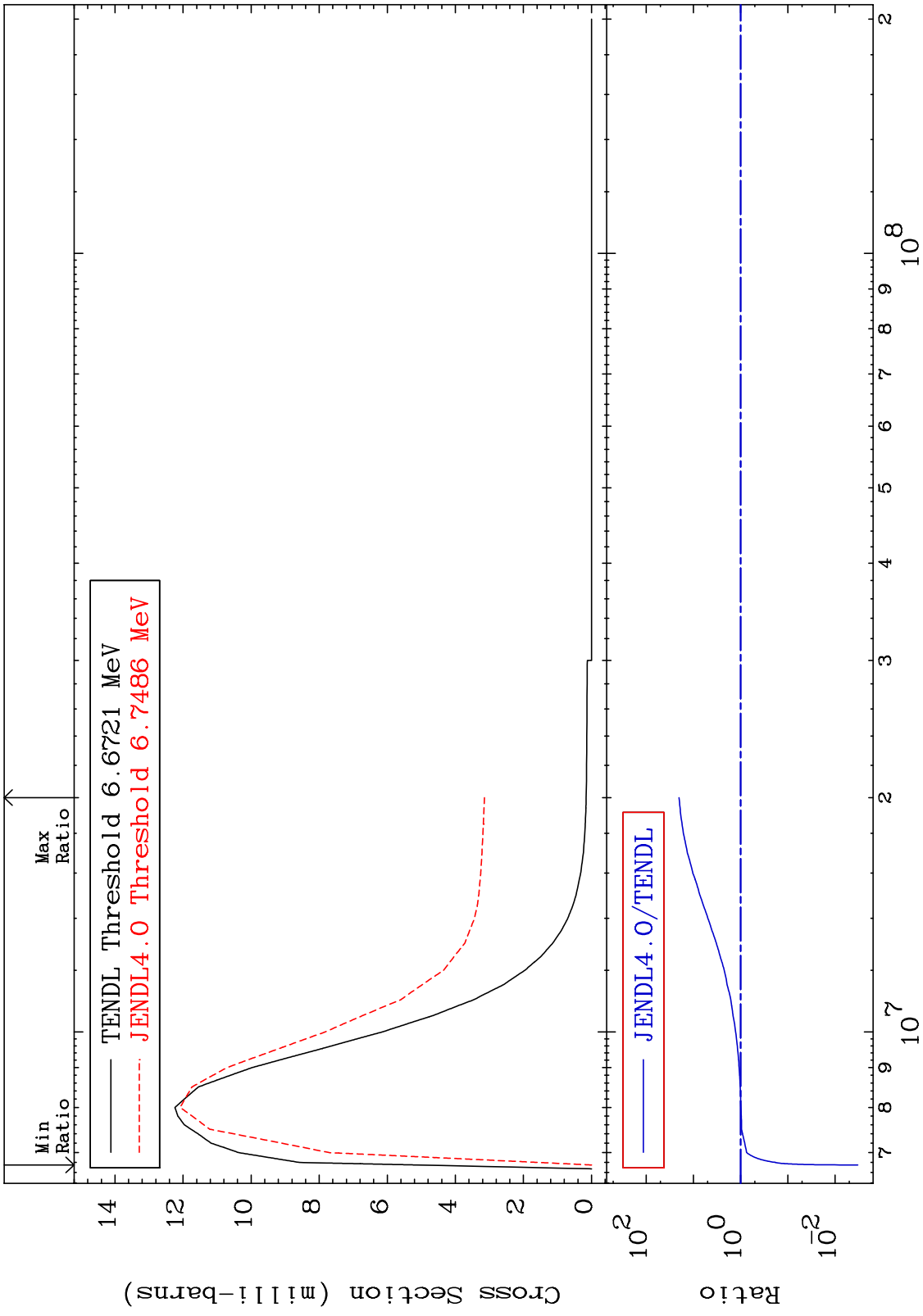
MAT 2025 MT= 65 (n,n') Level
-89.27 To 348.9 %
20-Ca-40
 Cross Section



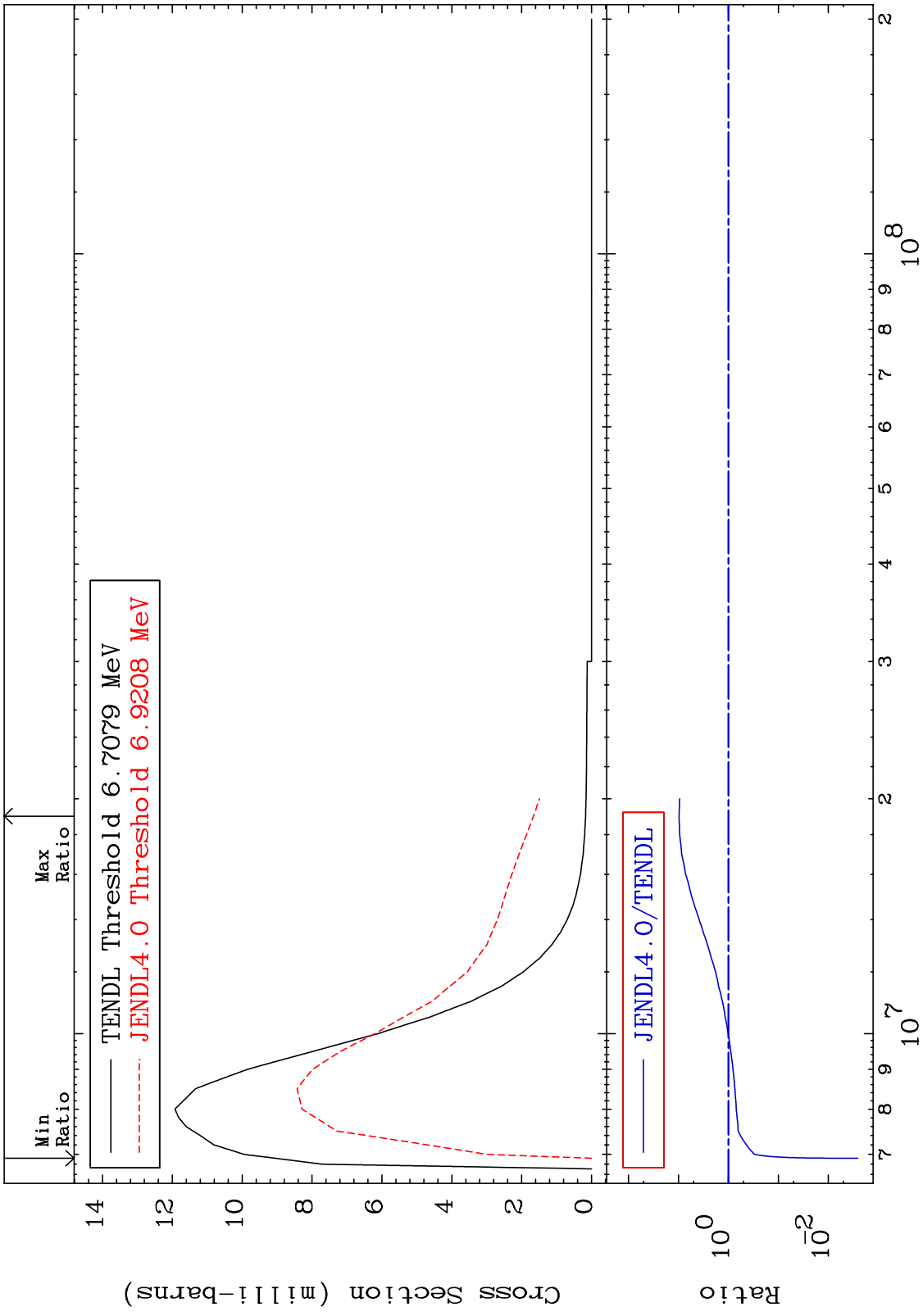
MAT 2025 MT= 66 (n,n') Level
-90.91 To 801.0 %
20-Ca-40
 Cross Section



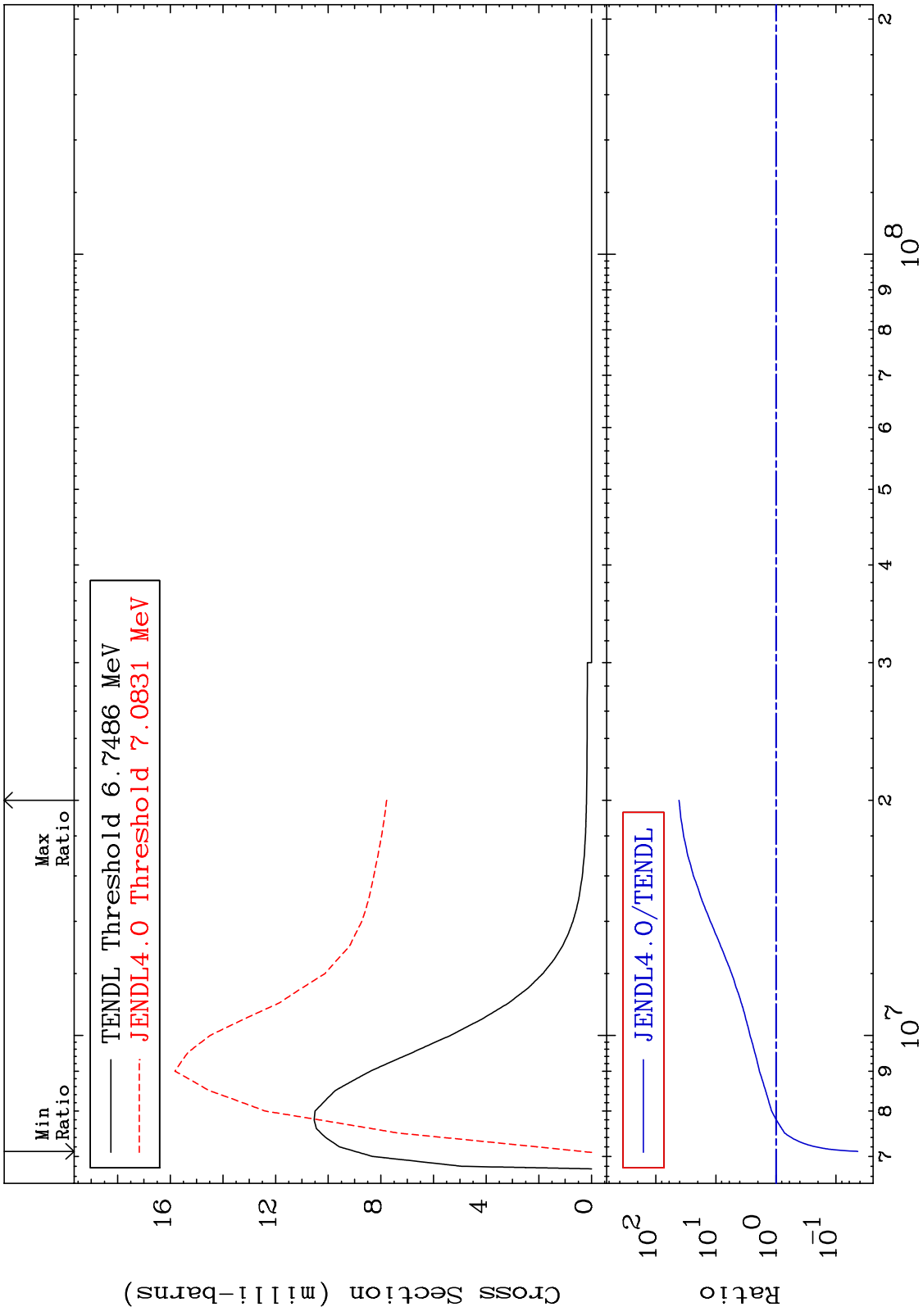
MAT 2025 MT= 67 (n,n') Level Cross Section 20-Ca-40 -99.67 To 1907. %

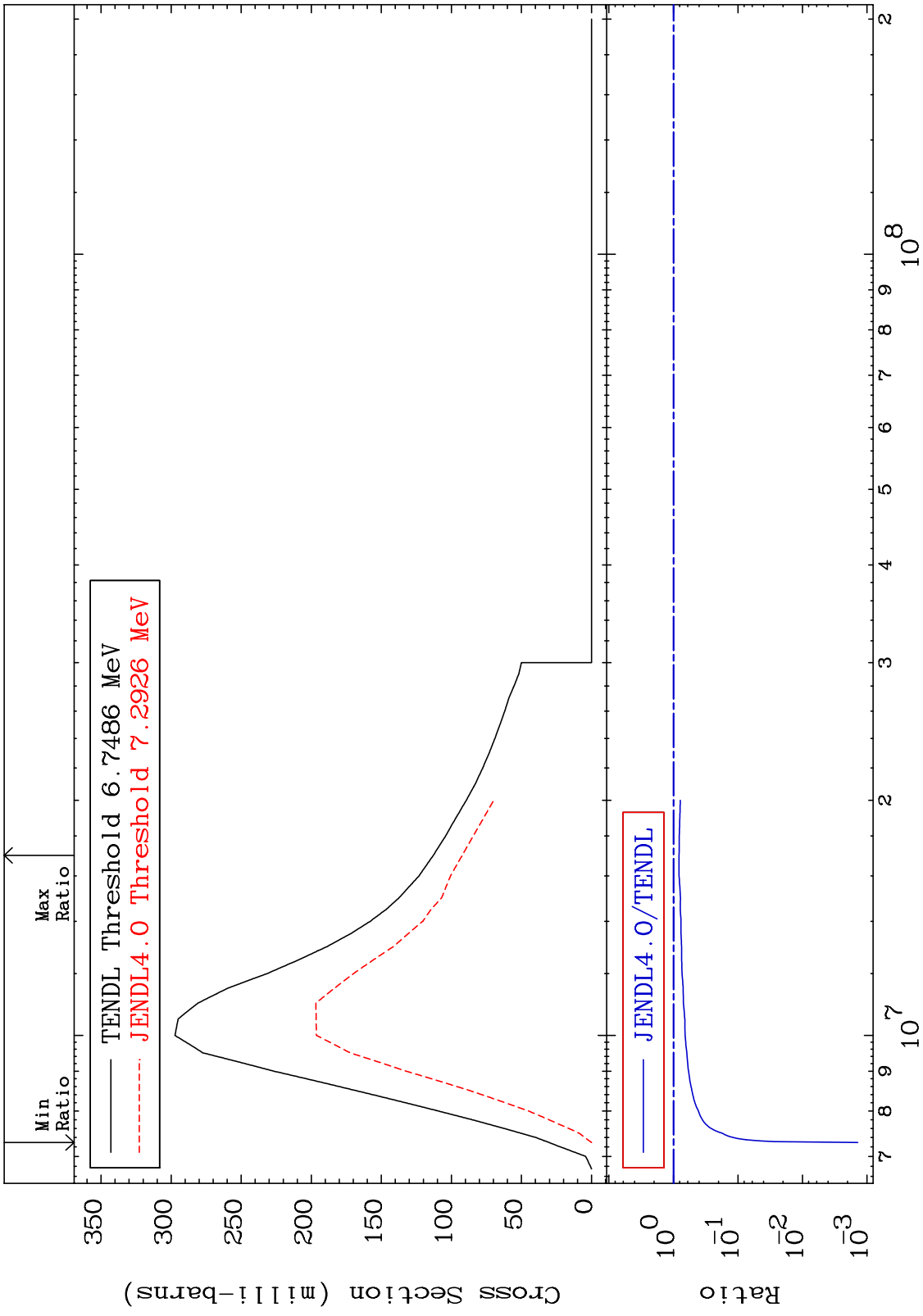


MAT 2025 MT= 68 (n,n') Level Cross Section -99.74 To 876.0 % 20-Ca-40



MAT 2025 MT= 69 (n,n') Level Cross Section -95.67 To 4004. % 20-Ca-40





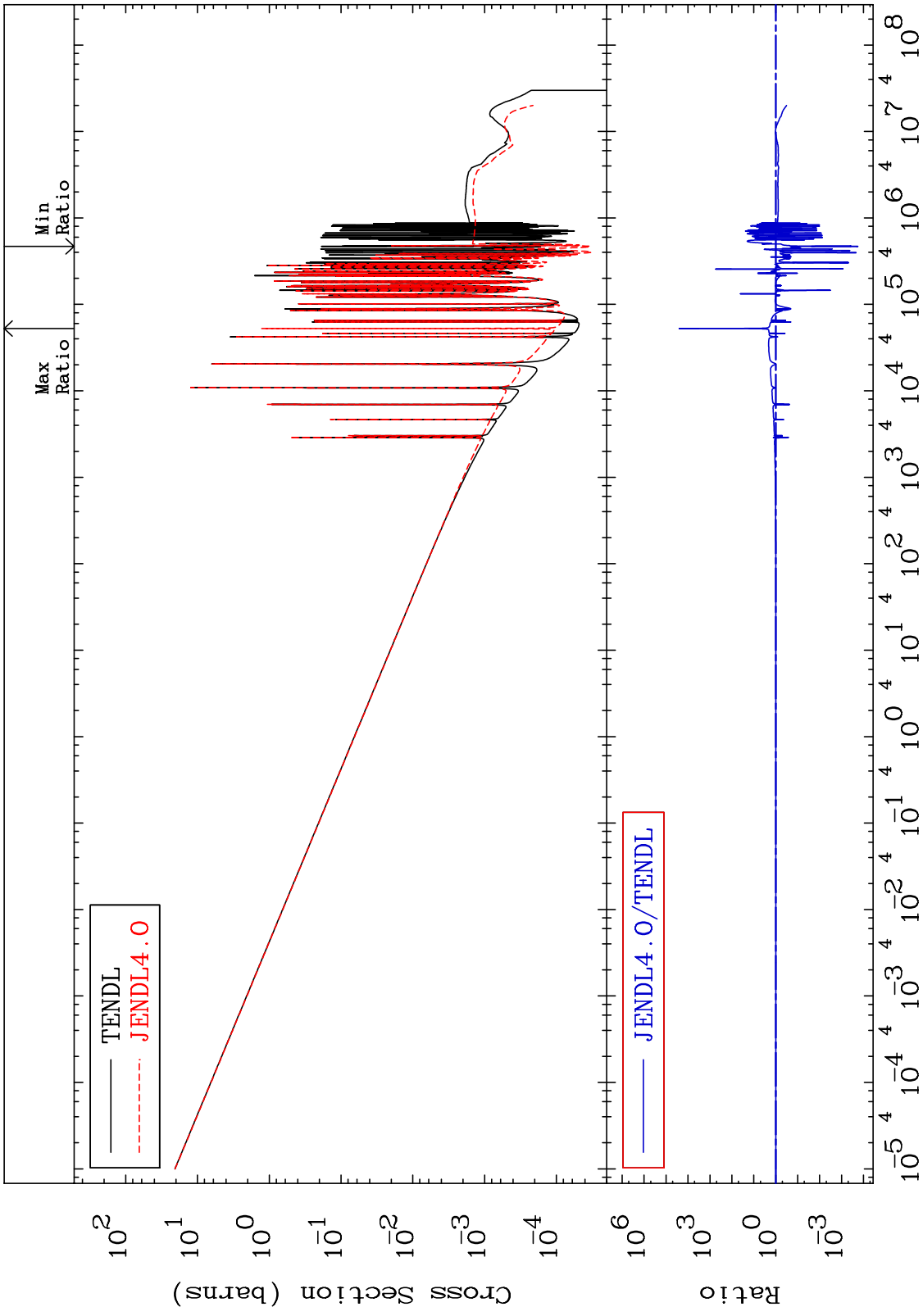
MAT 2025

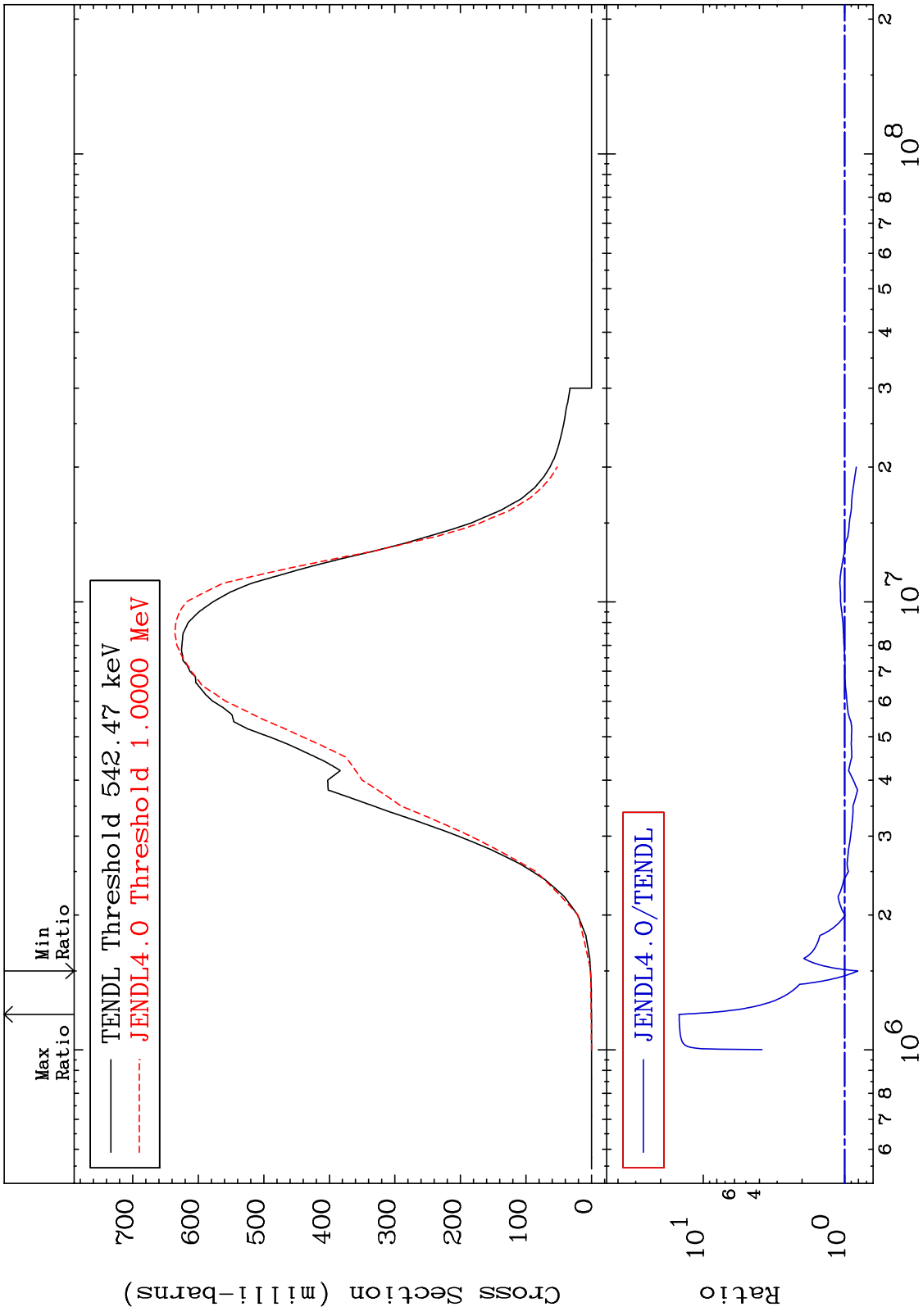
(n, γ)

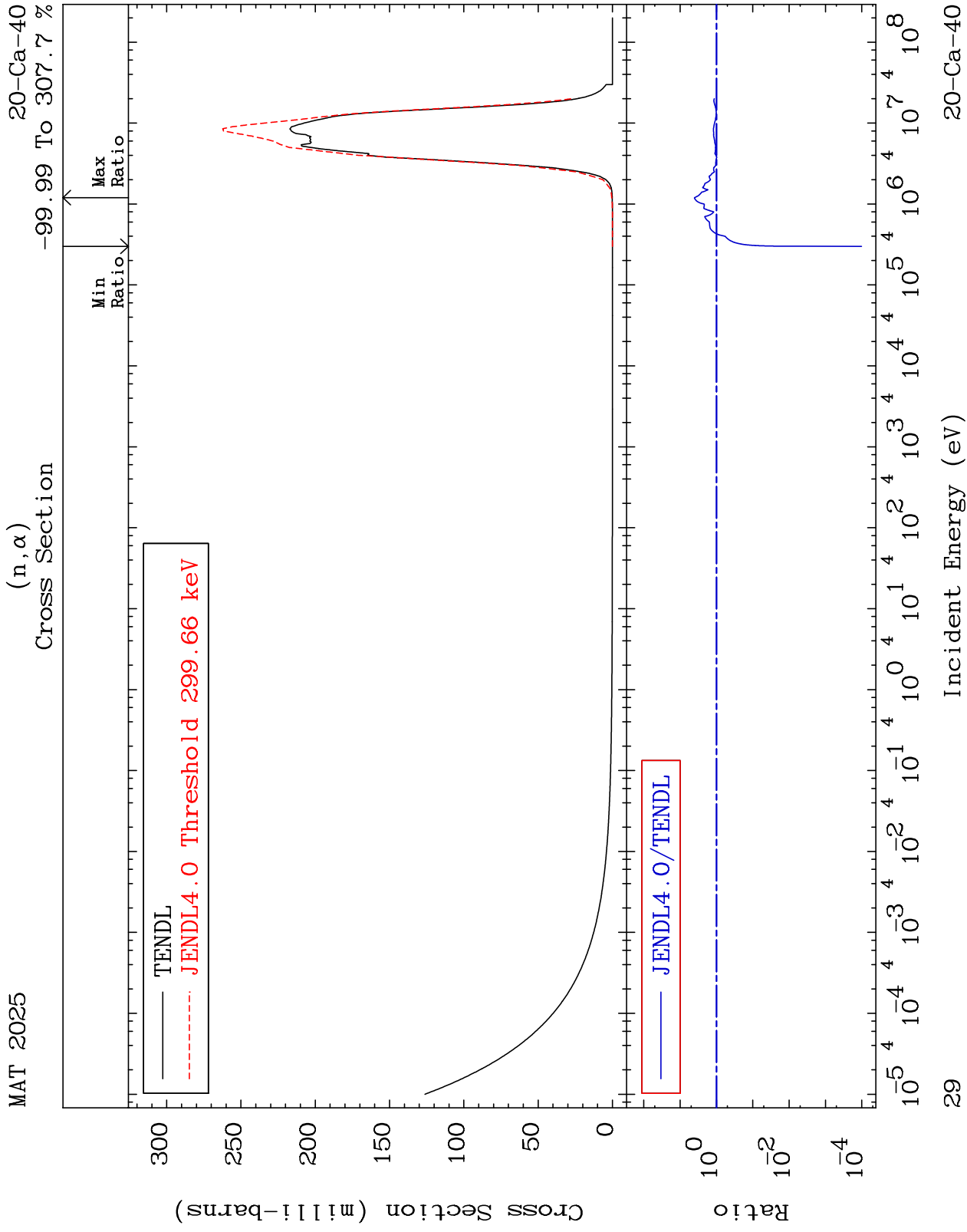
20-Ca-40

Cross Section

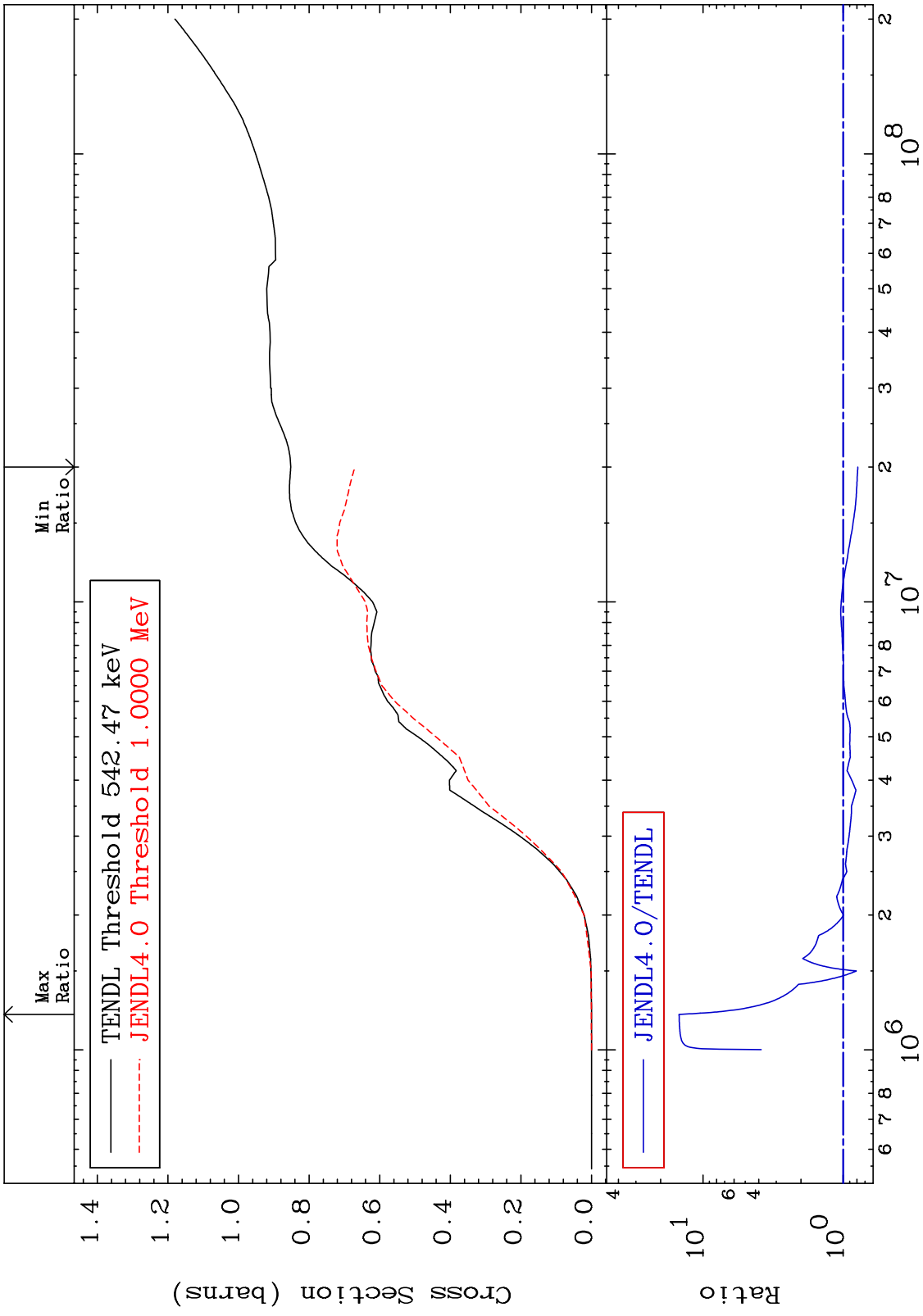
-99.98 To 9999. %







MAT 2025 Hydrogen Production Cross Section 20-Ca-40 -21.32 To 1380. %

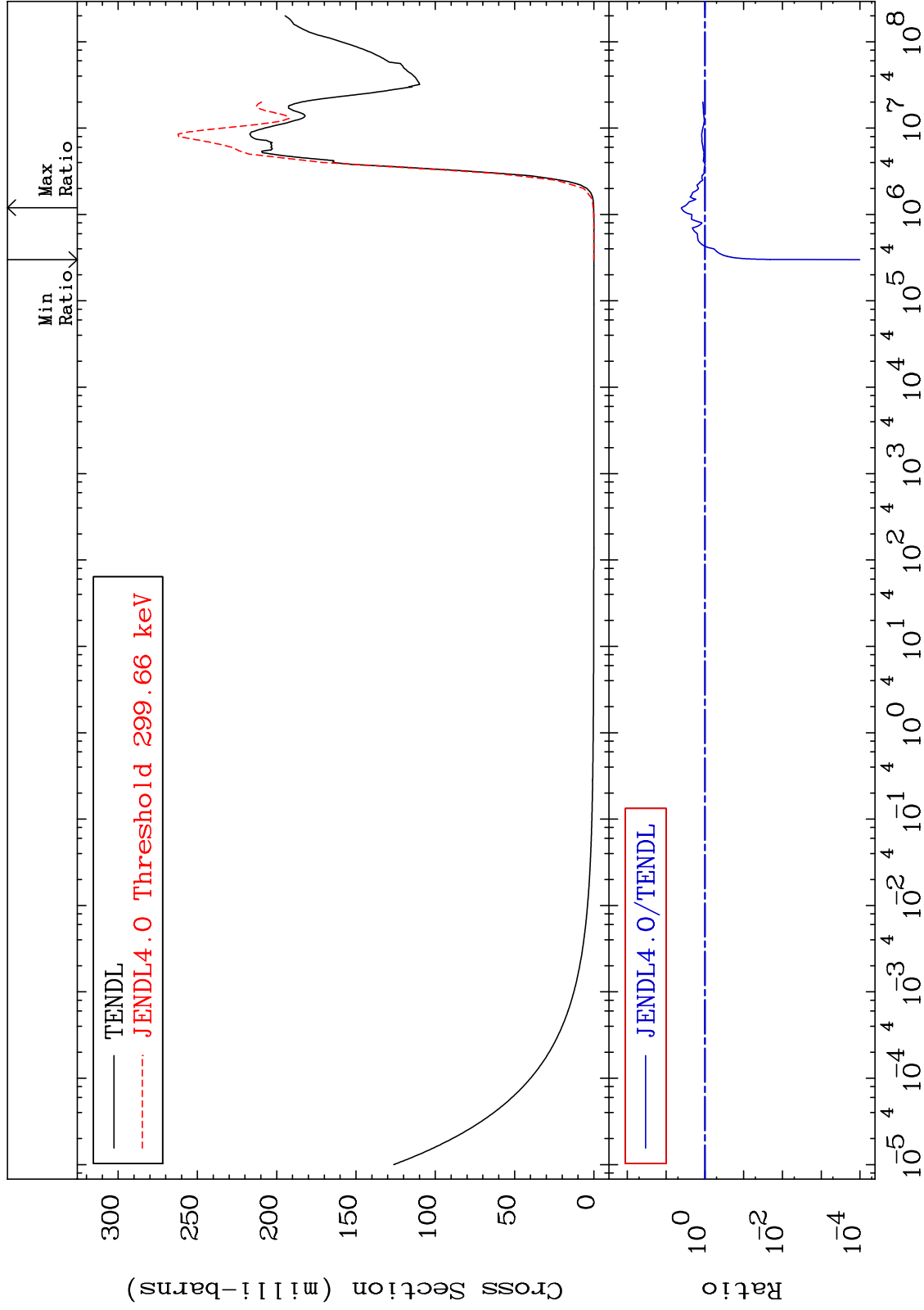


30 20-Ca-40

MAT 2025

He-4 Production
Cross Section

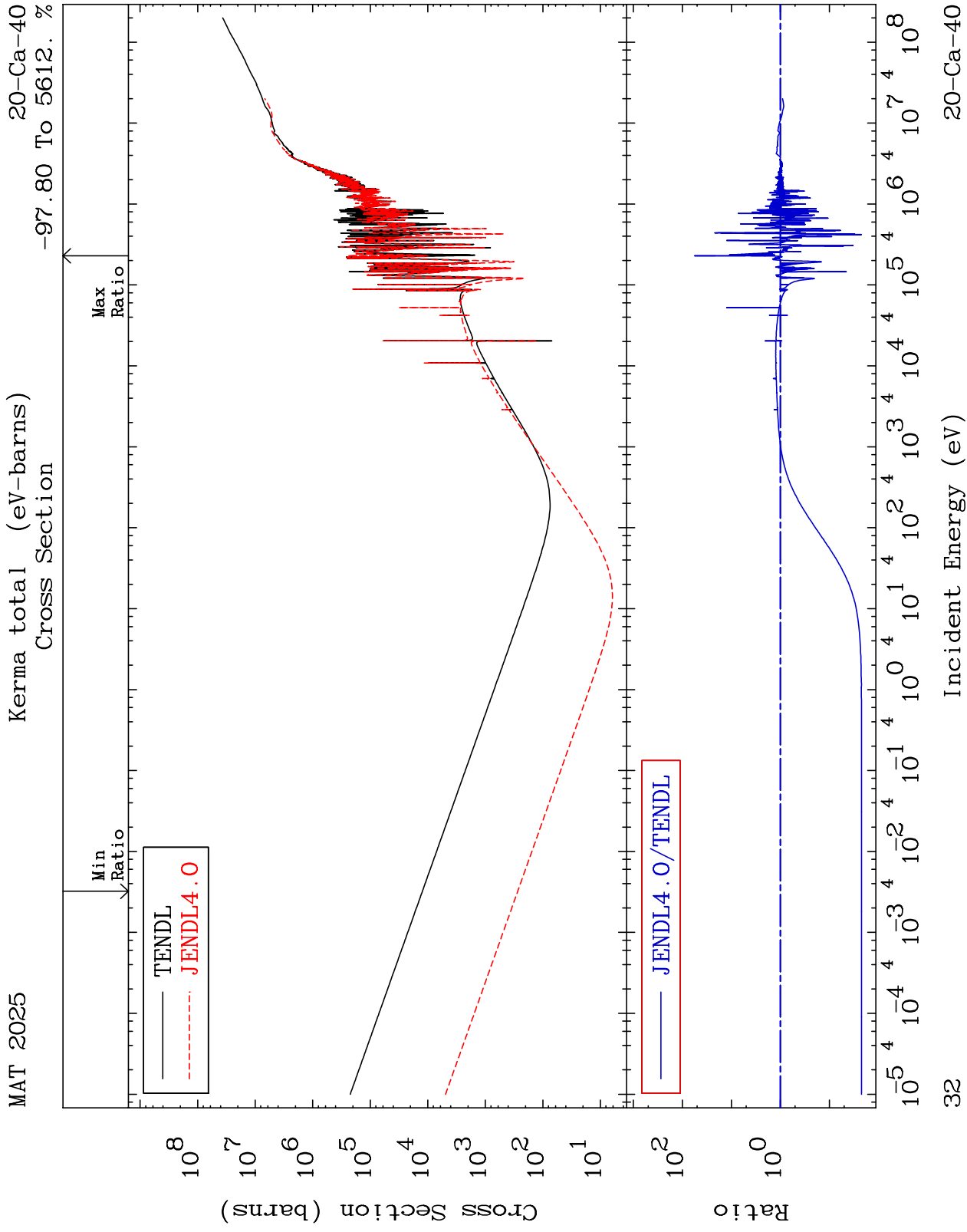
20-Ca-40
-99.99 To 307.7 %



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Incident Energy (eV)

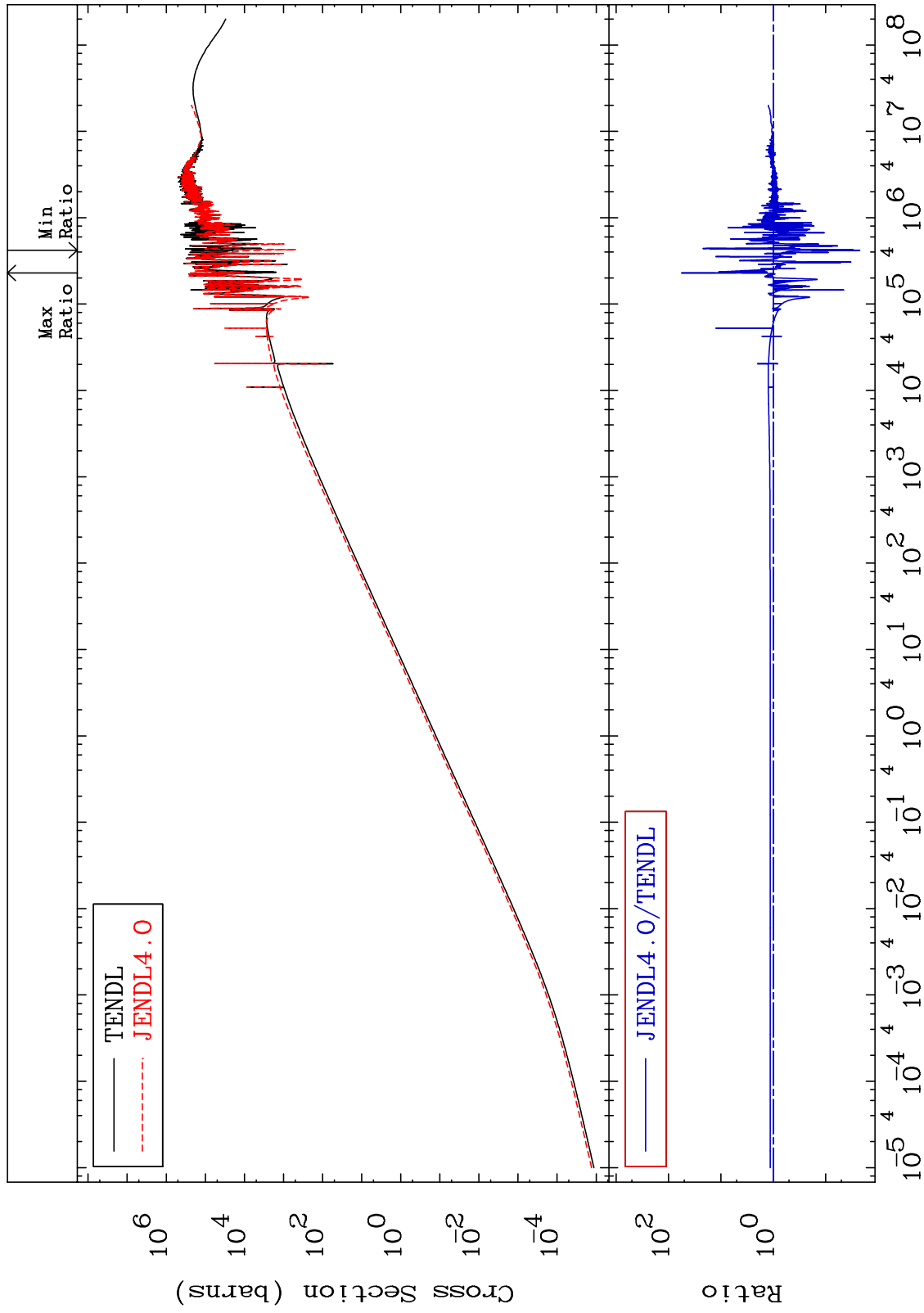
20-Ca-40



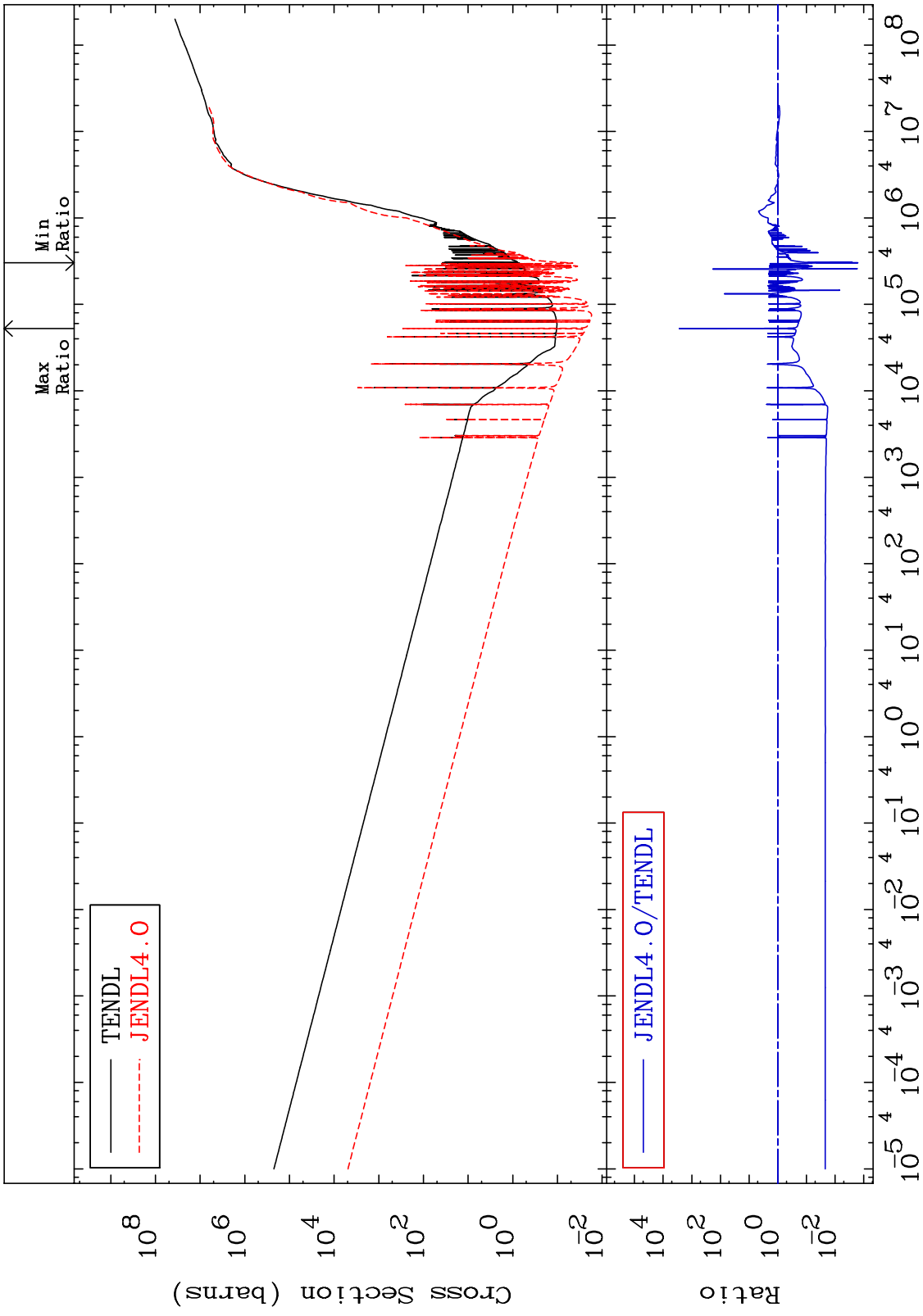
MAT 2025

Kerma elastic
Cross Section

20-Ca-40
-97.78 To 5618. %

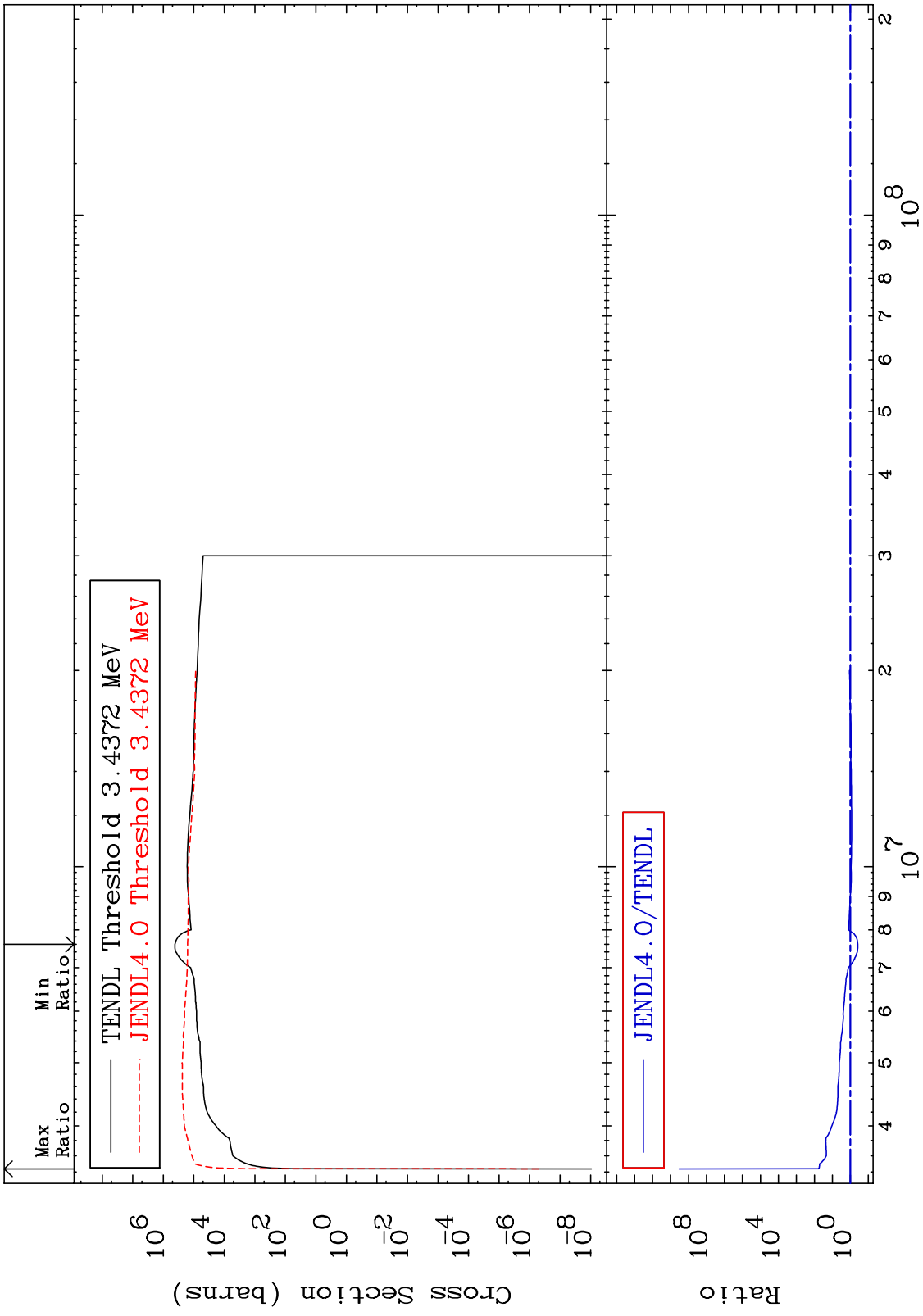


MAT 2025 Kerma non-elastic (all but mt2) Cross Section 20-Ca-40 -99.84 To 9999. %

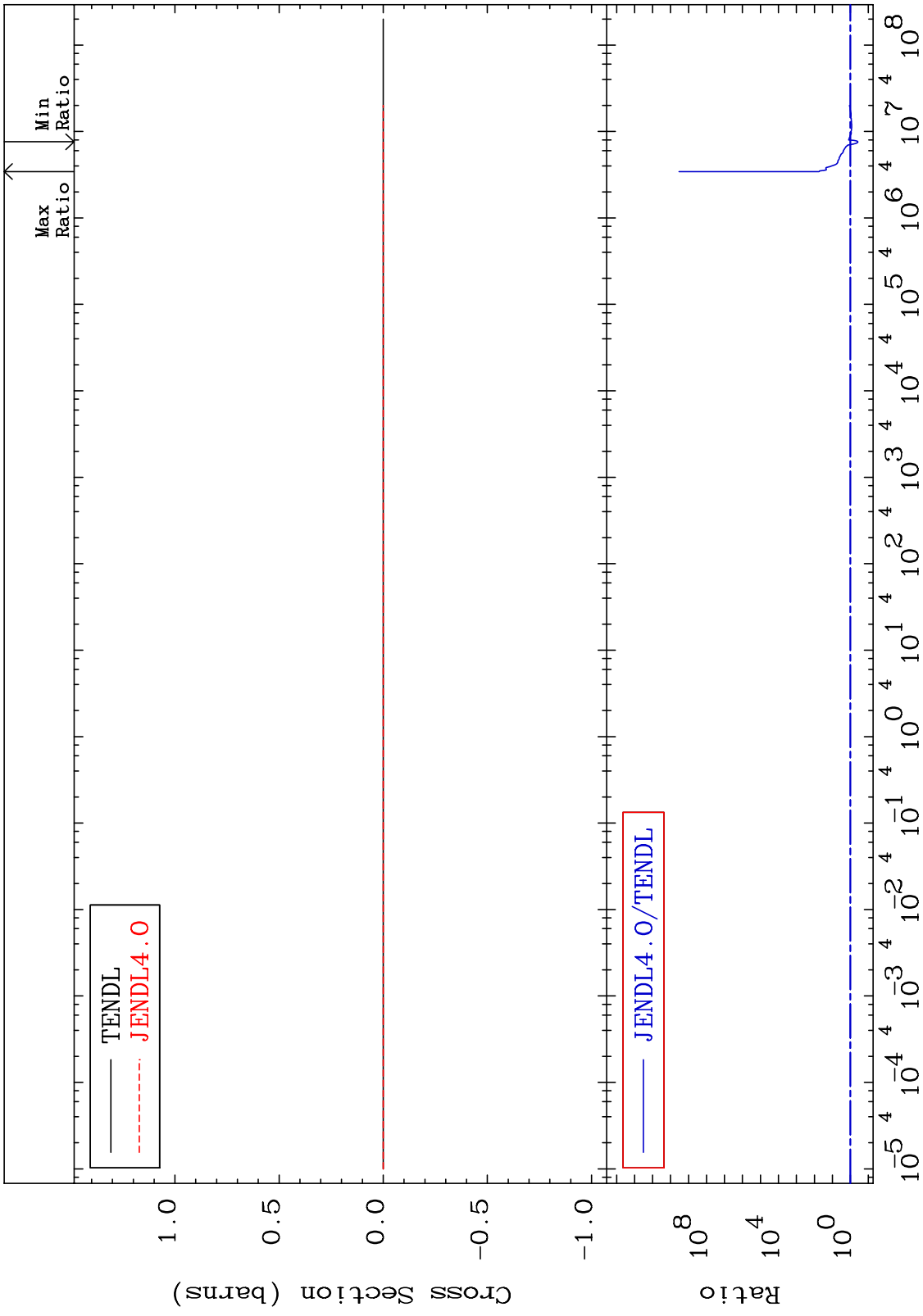


34 Incident Energy (eV) 20-Ca-40

MAT 2025 Kerma inelastic (mt51-91) 20-Ca-40
 Cross Section -61.49 To 9999. %



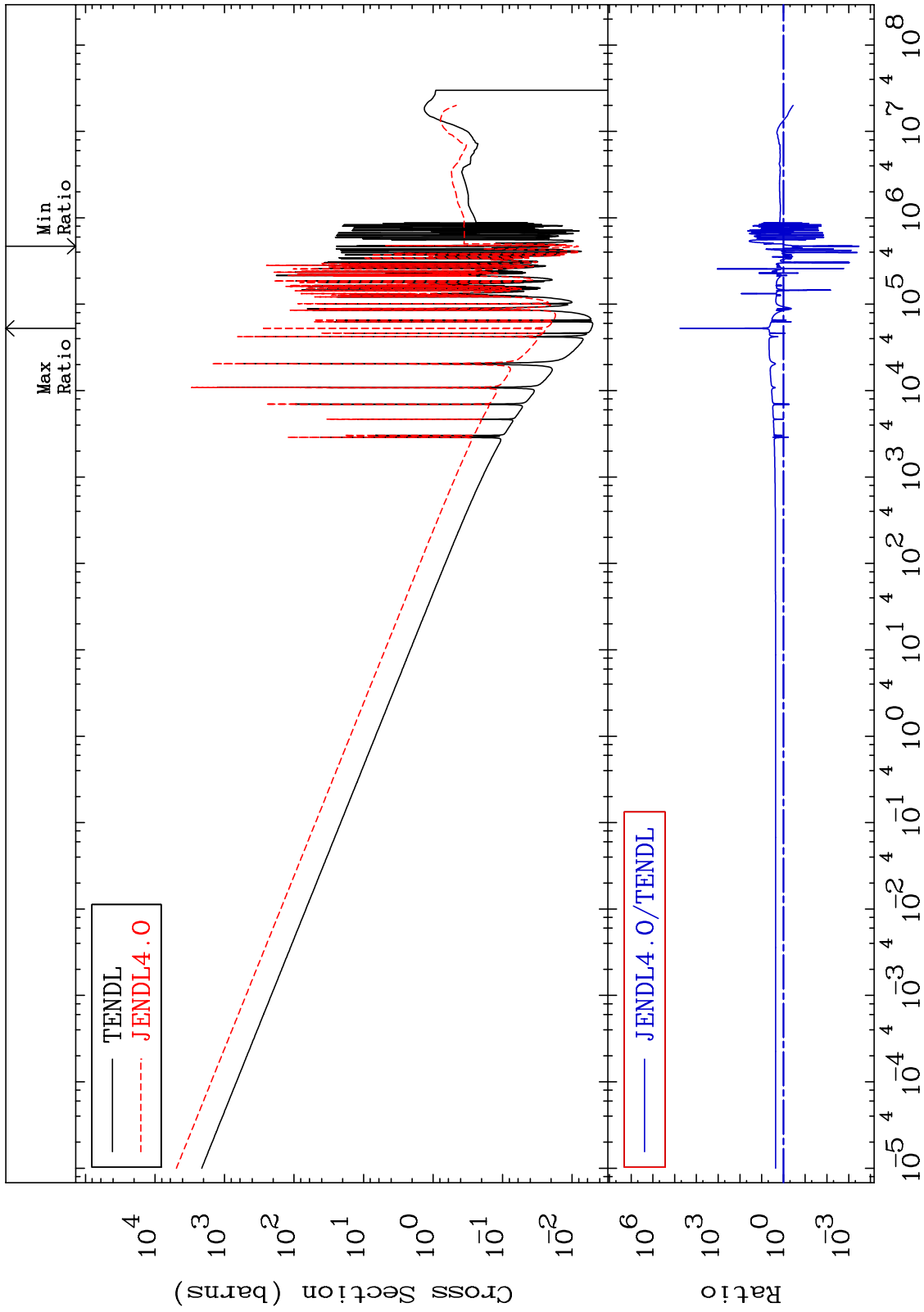
MAT 2025 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-40
 Cross Section -61.49 To 9999. %



MAT 2025

Kerma capture (mt102)
Cross Section

20-Ca-40
-99.97 To 9999. %



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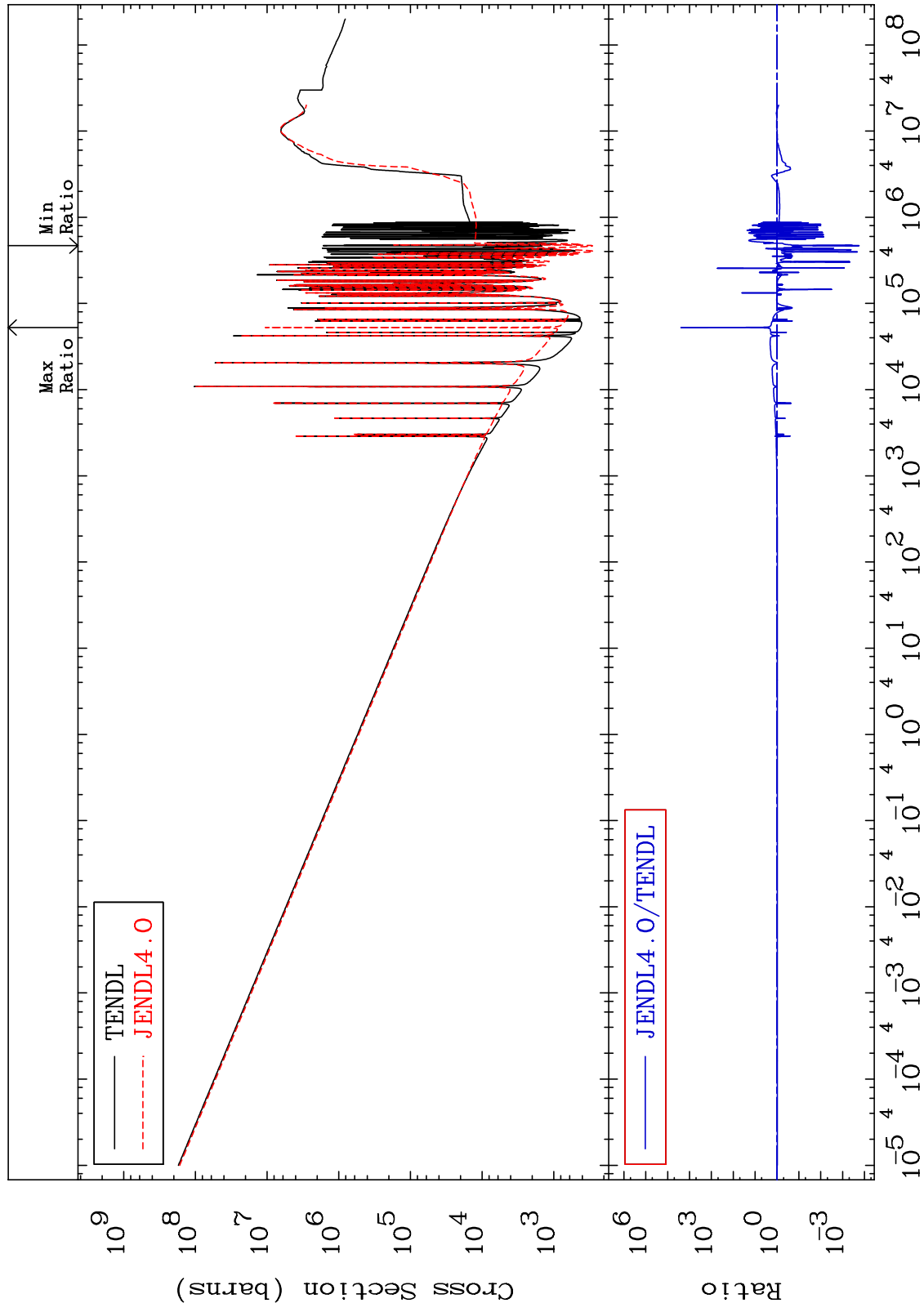
Incident Energy (eV)

20-Ca-40

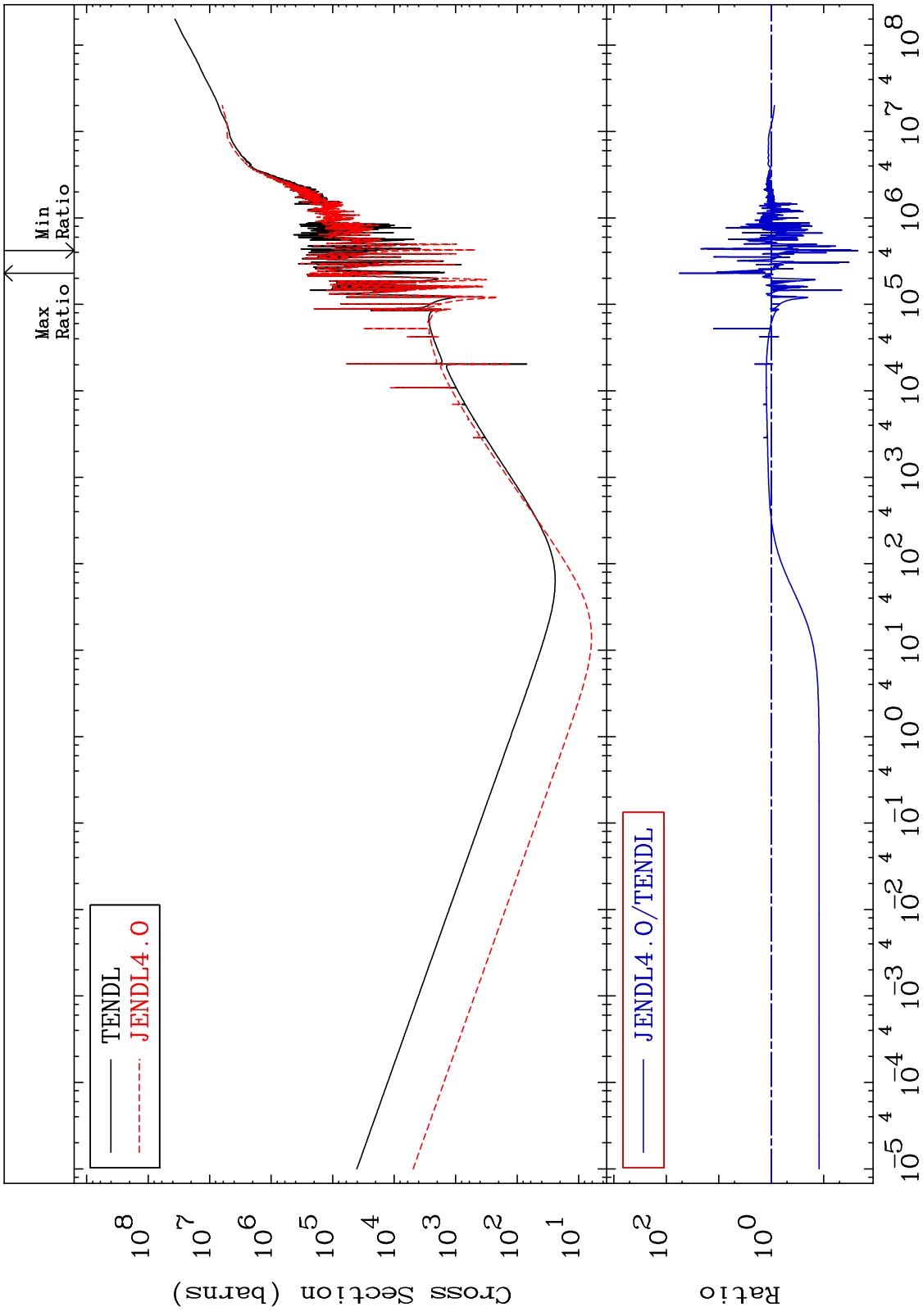
MAT 2025

Total photon (eV-barns)
Cross Section

20-Ca-40
-99.98 To 9999. %



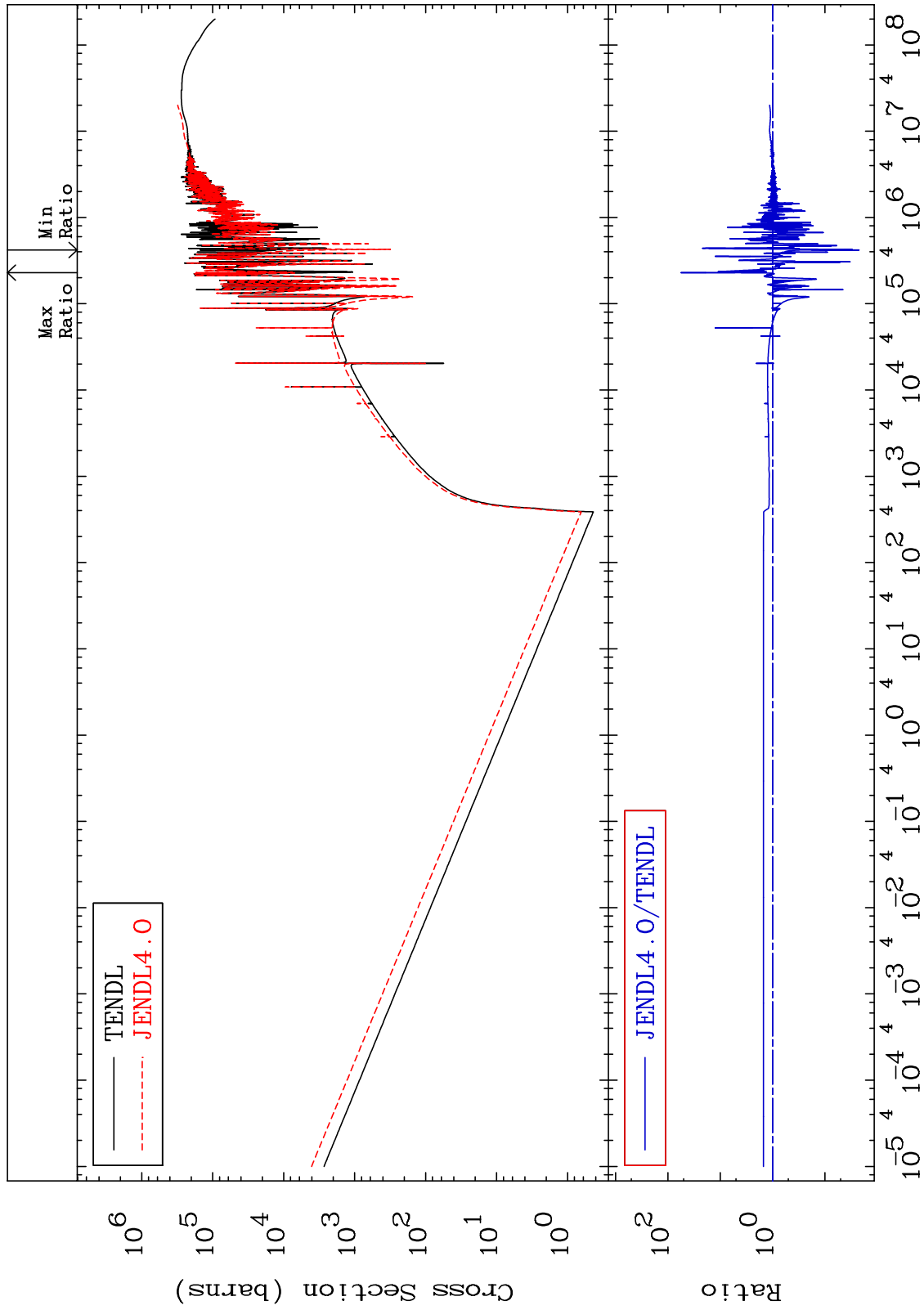
MAT 2025 Total kinematic kerma (high limit) 20-Ca-40
 Cross Section -97.78 To 5612. %



MAT 2025

Dpa total (eV-barns)
Cross Section

20-Ca-40
-97.77 To 5617. %



40

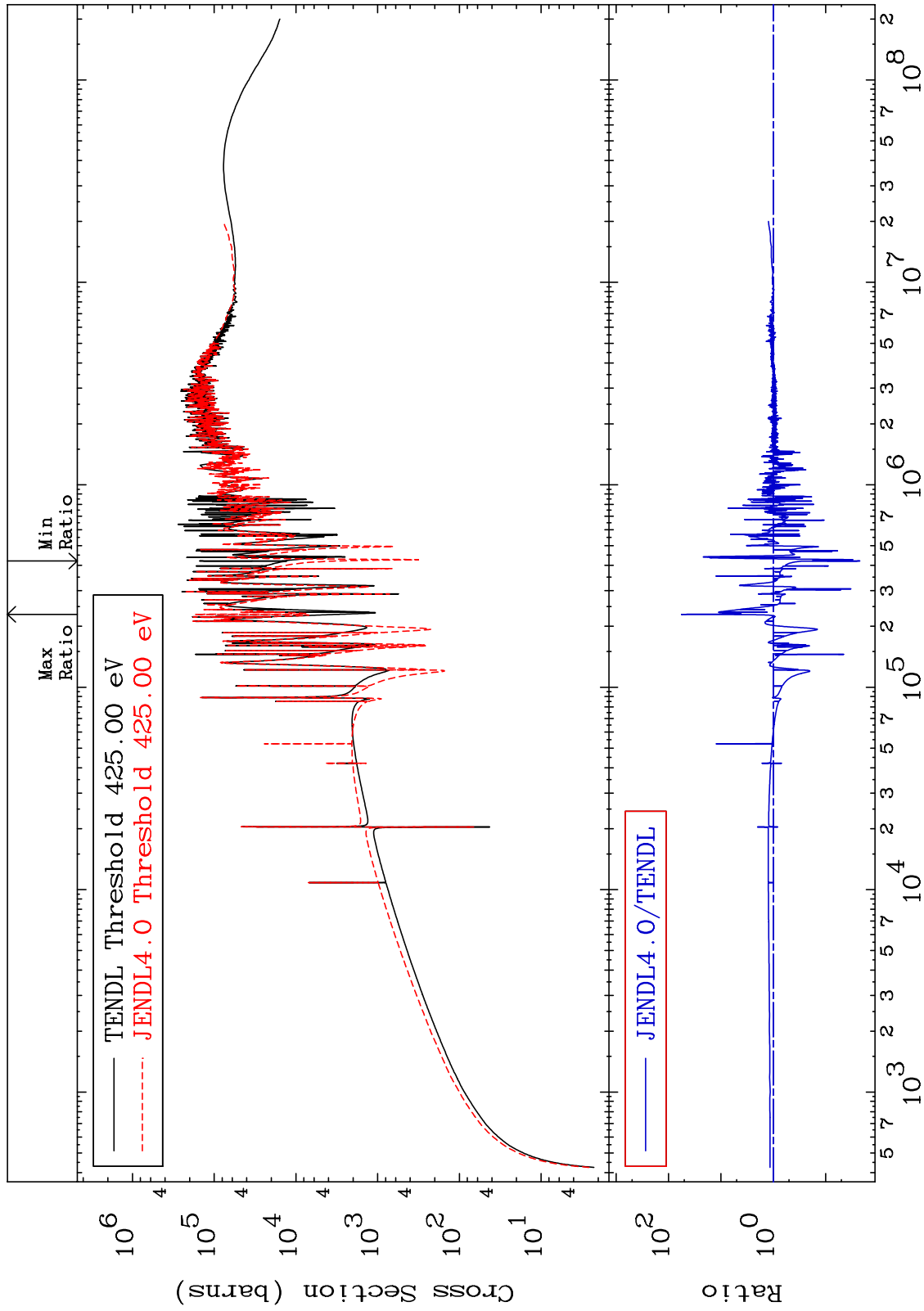
Incident Energy (eV)

20-Ca-40

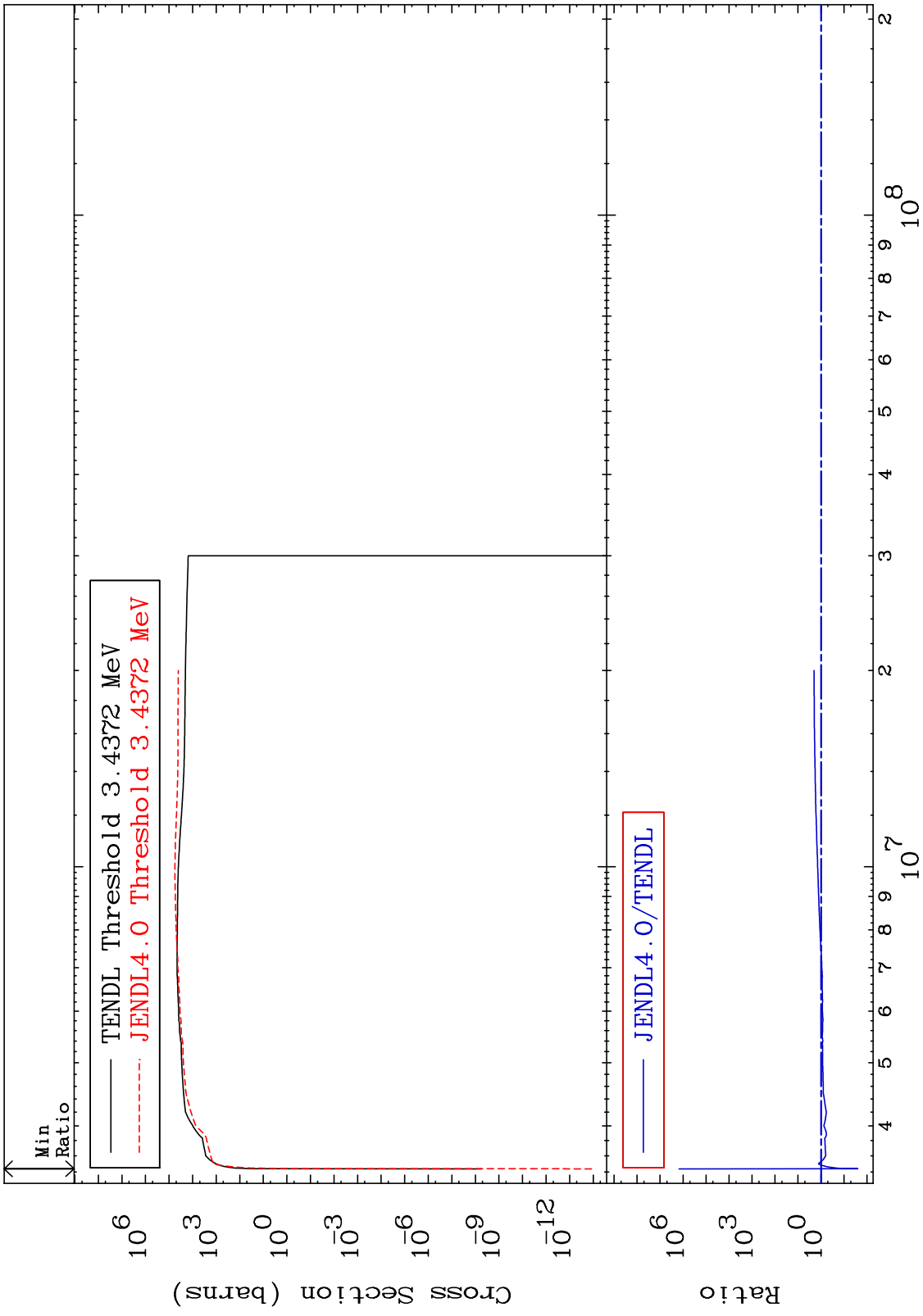
MAT 2025

Dpa elastic (mt2)
Cross Section

20-Ca-40
-97.77 To 5624. %



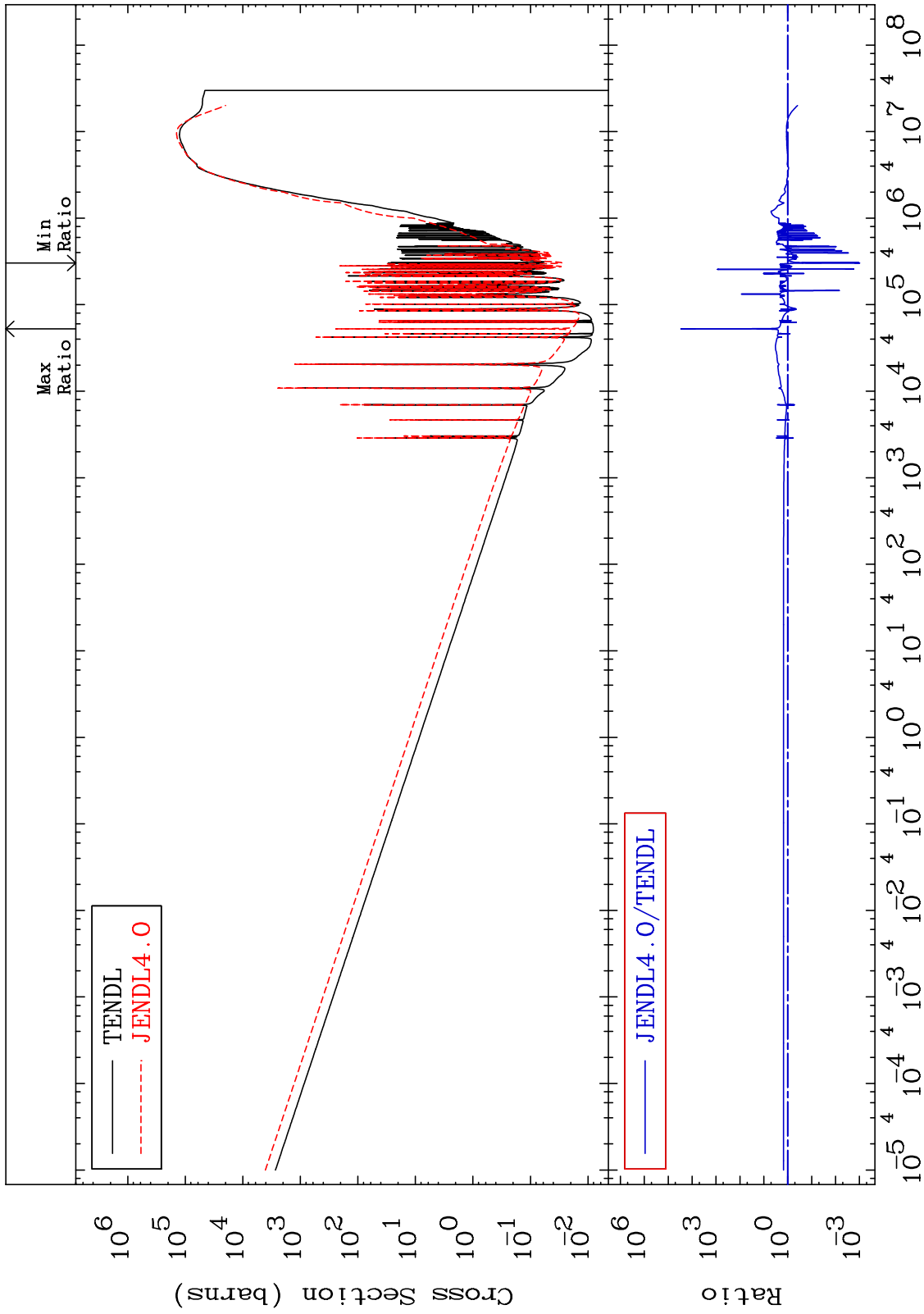
MAT 2025 Dpa inelastic (mt51-91) 20-Ca-40
 Cross Section -97.51 To 9999. %



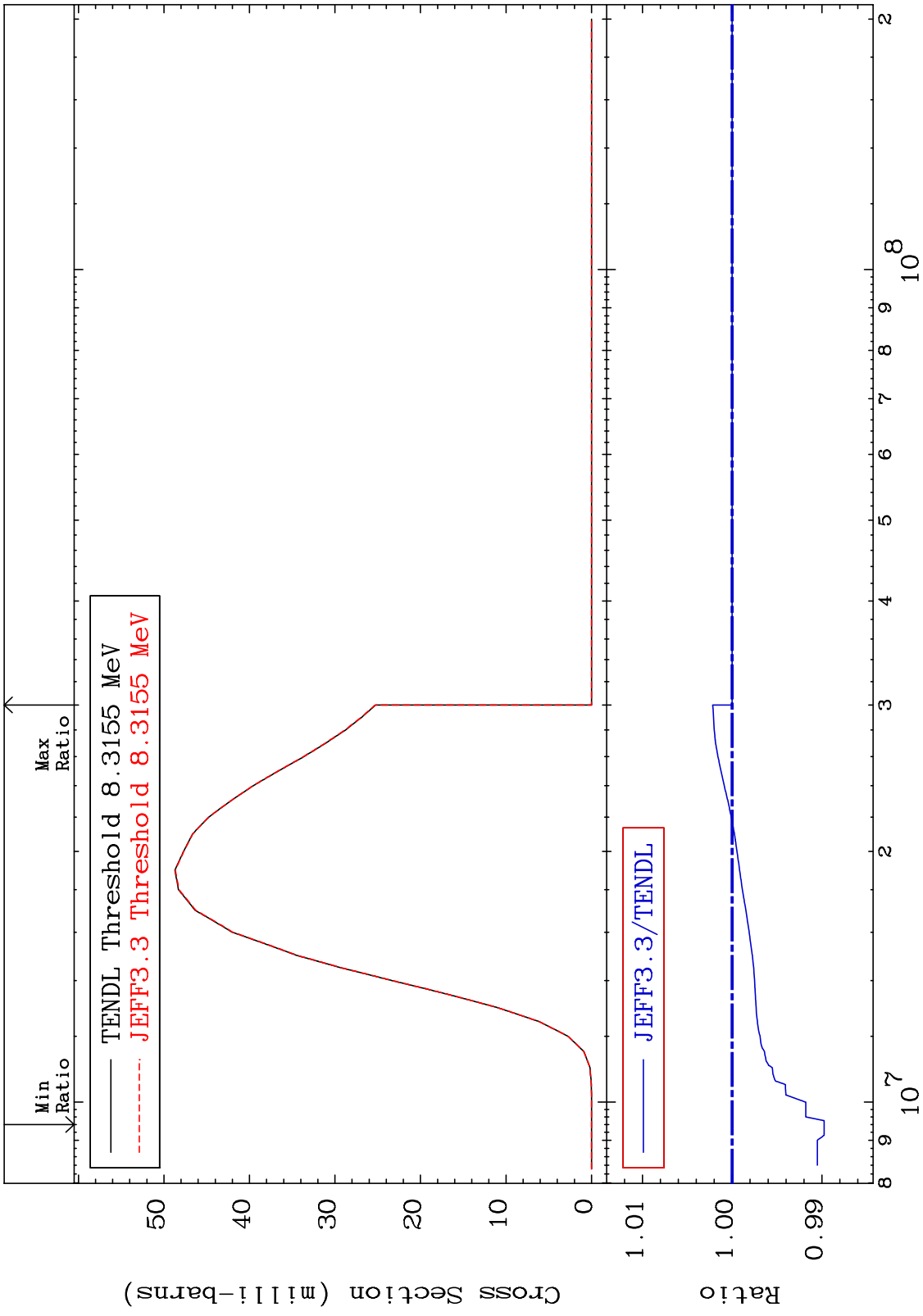
MAT 2025

Dpa disappearance (mt102 -120)
Cross Section

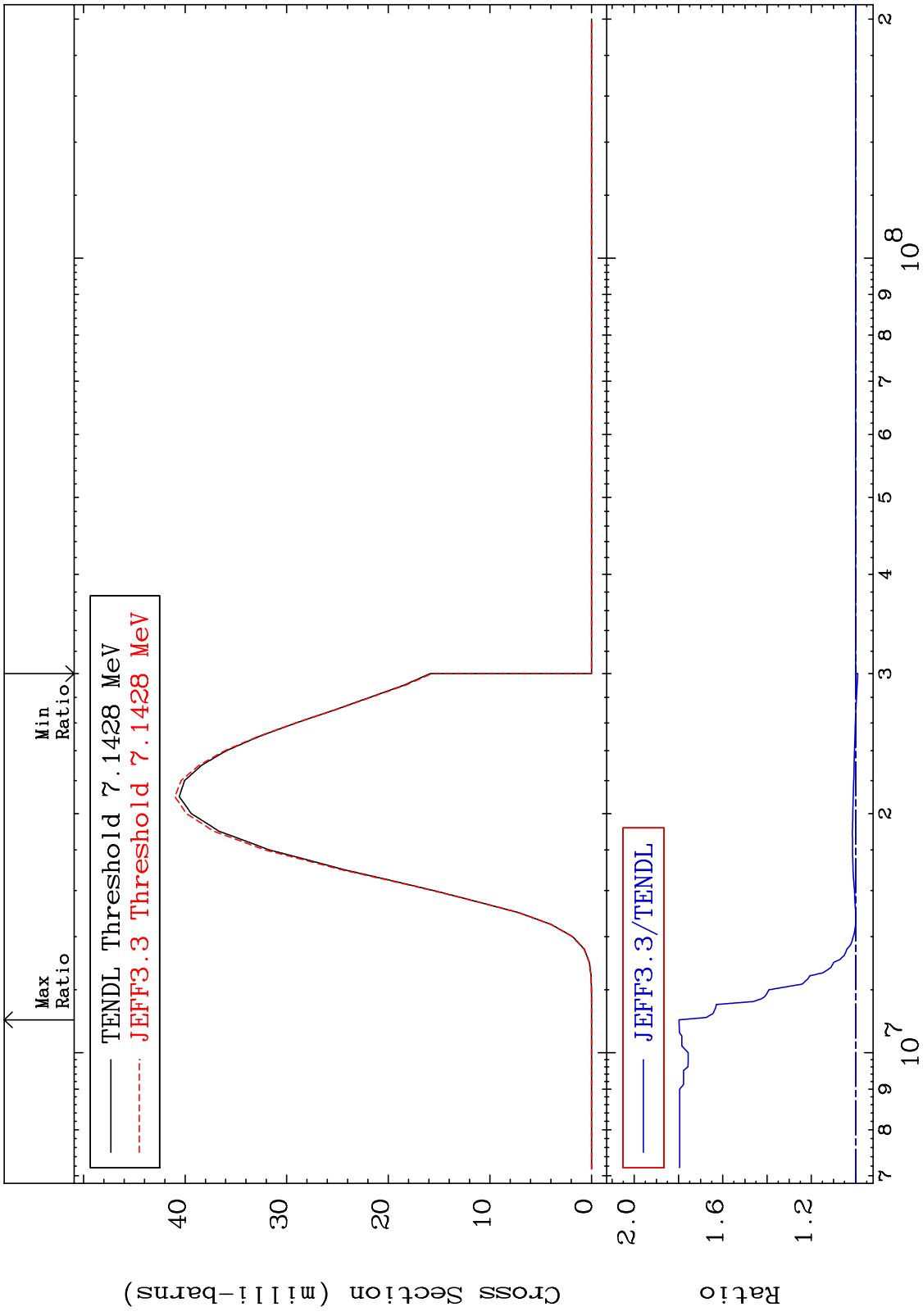
20-Ca-40
-99.90 To 9999. %



MAT 2025 (n,2p) 20-Ca-40
Cross Section -1.025 To 0.216 %

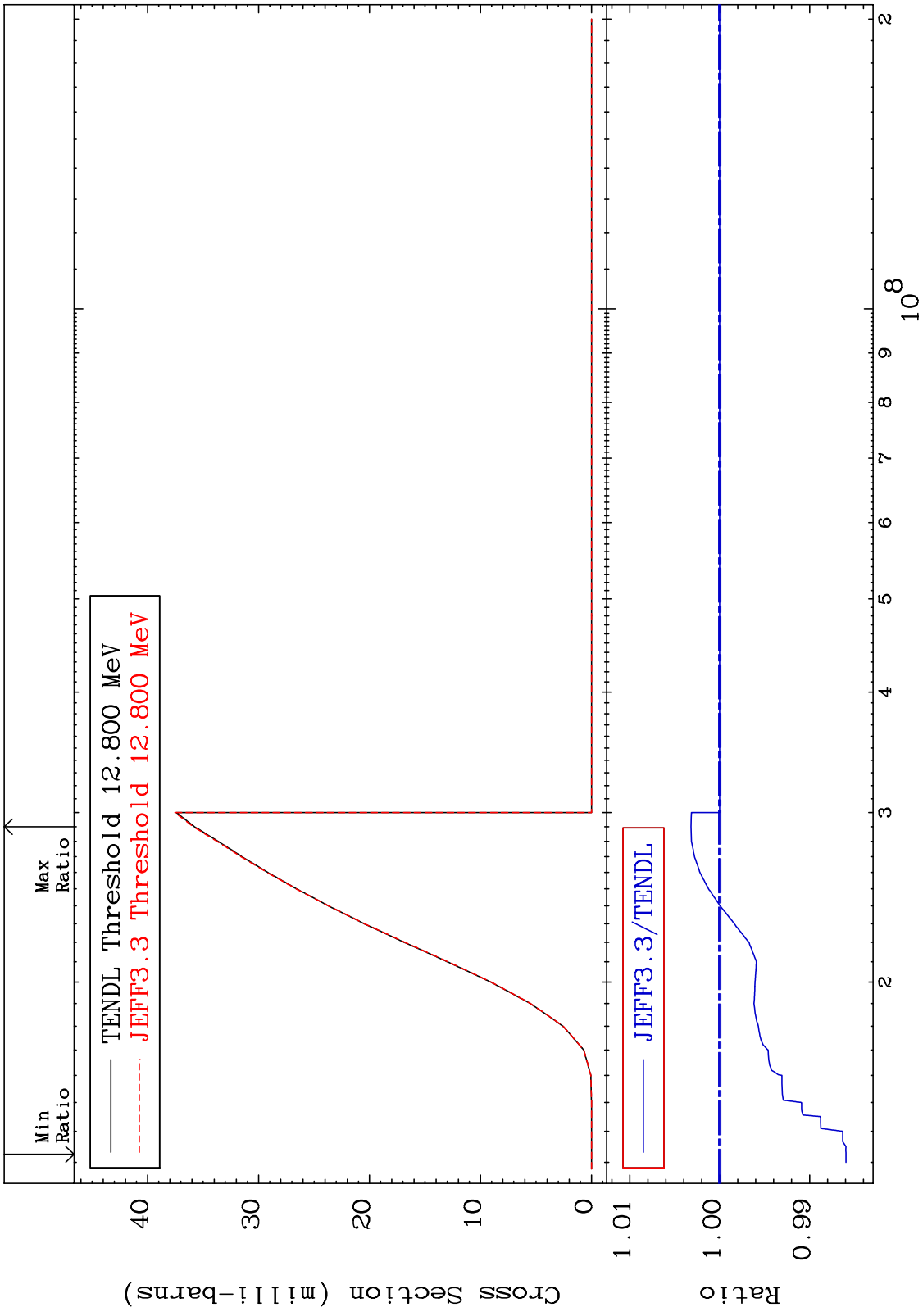


MAT 2025 (n,p) α 20-Ca-40
Cross Section -1.020 To 79.77 %

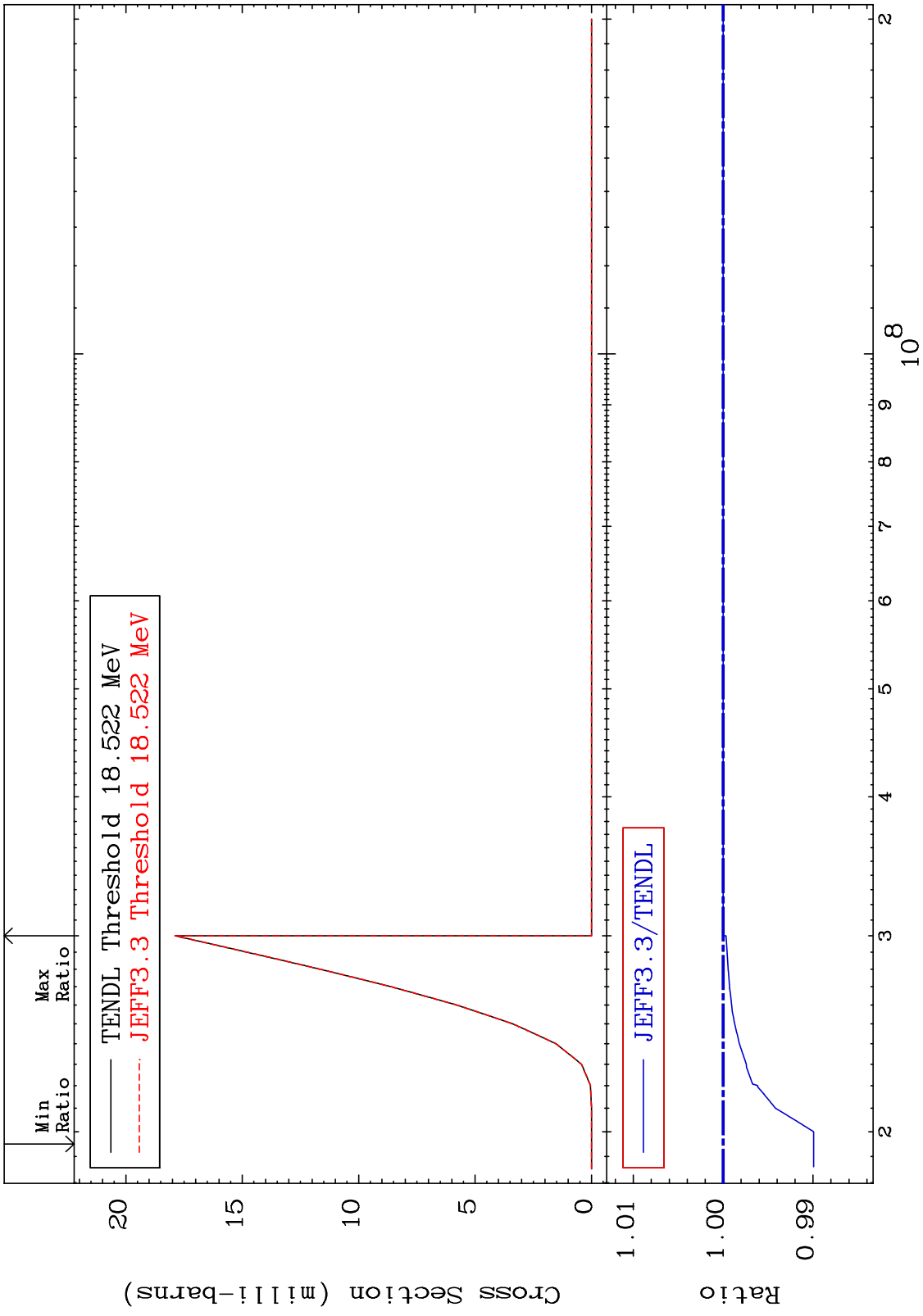


45 Incident Energy (eV) 20-Ca-40

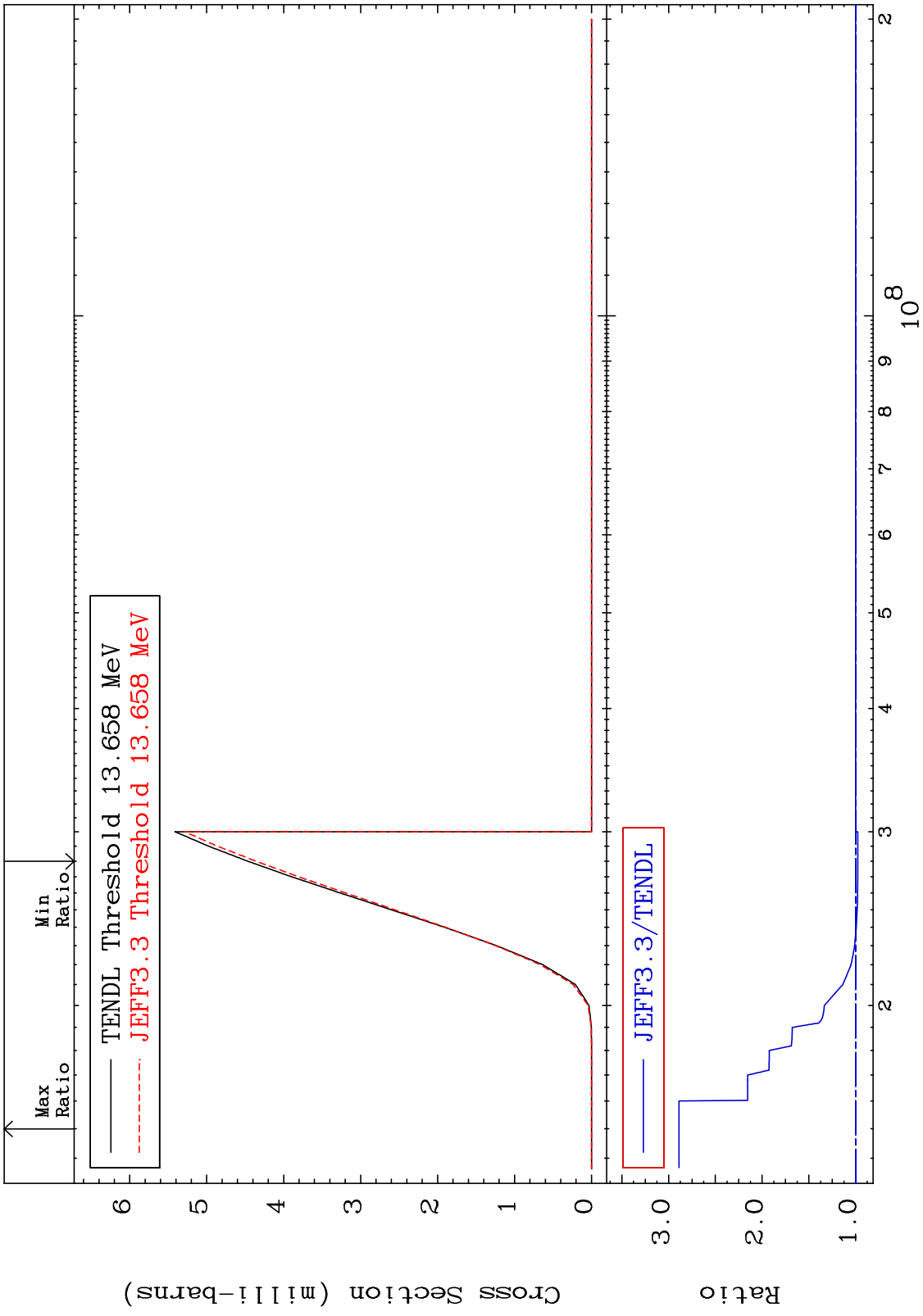
MAT 2025 (n,p) d 20-Ca-40
 Cross Section -1.404 To 0.320 %



MAT 2025 (n,p) t 20-Ca-40
 Cross Section -1.007 To 0.000 %



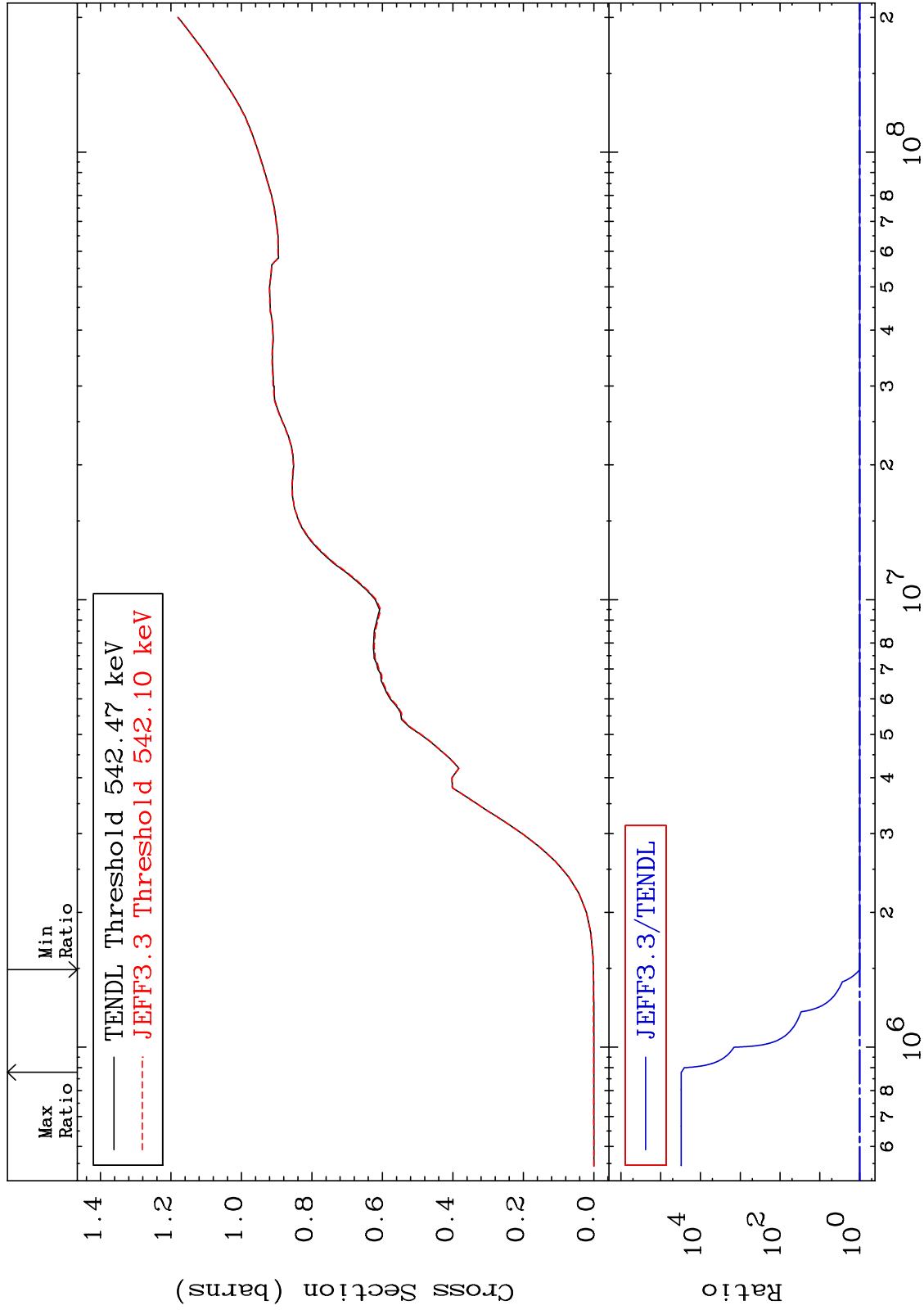
MAT 2025 $(n,d) \alpha$ 20-Ca-40
 Cross Section -2.386 To 188.9 %



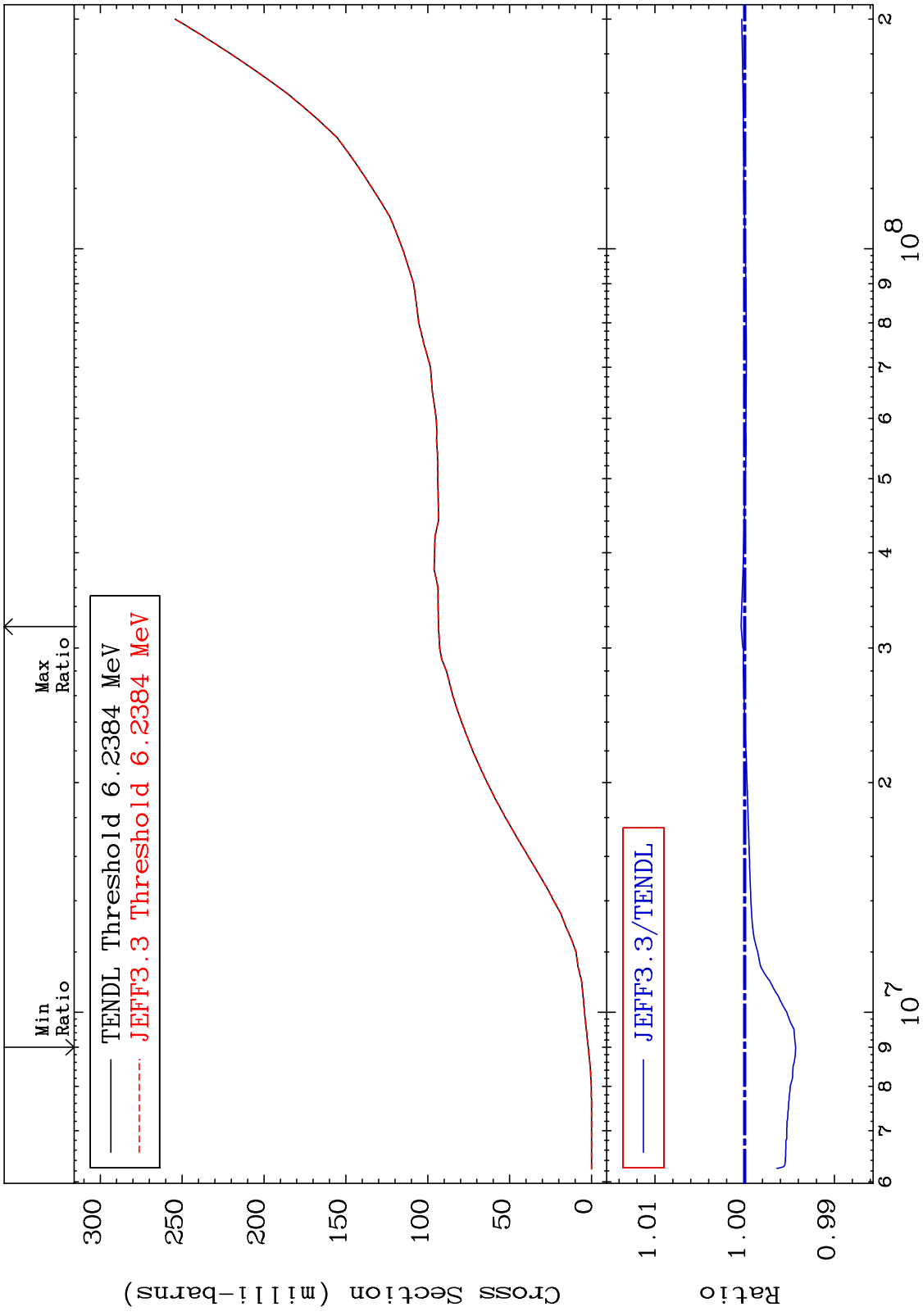
MAT 2025

Hydrogen Production
Cross Section

20-Ca-40
-0.509 To 9999. %

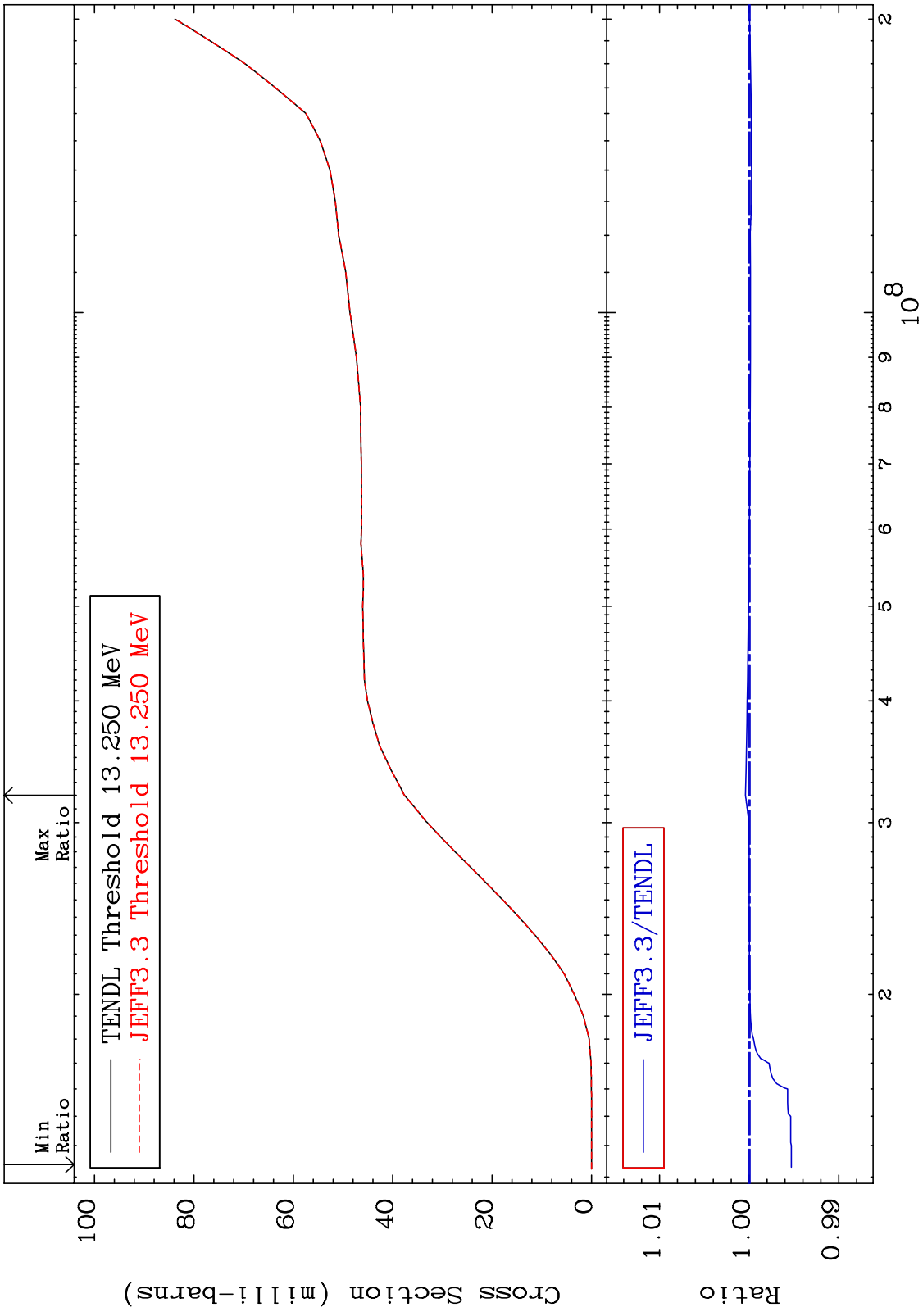


MAT 2025 Deuterium Production Cross Section 20-Ca-40 -0.570 To 0.039 %



50 20-Ca-40

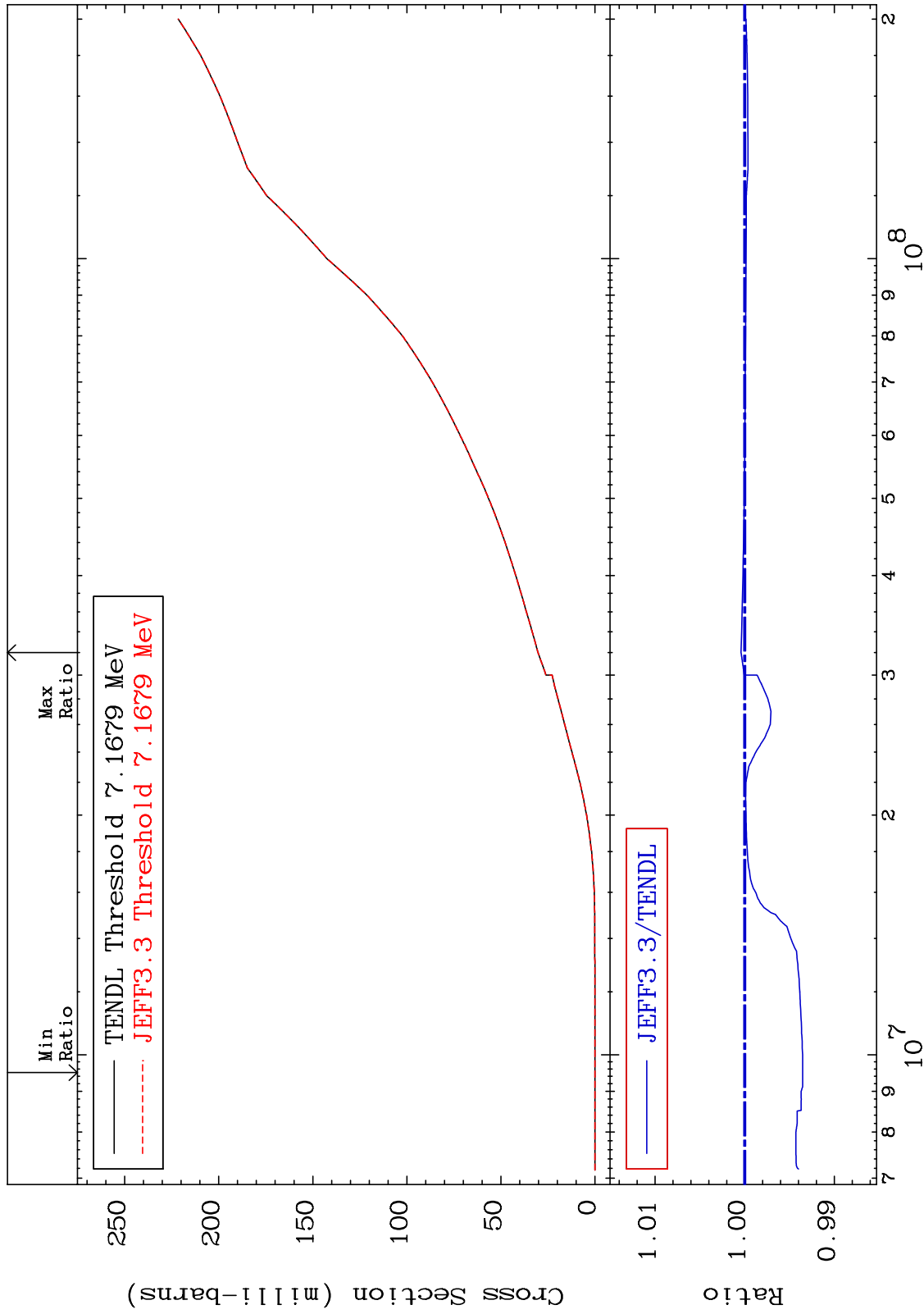
MAT 2025 Tritium Production Cross Section 20-Ca-40 -0.472 To 0.041 %



MAT 2025

He-3 Production
Cross Section

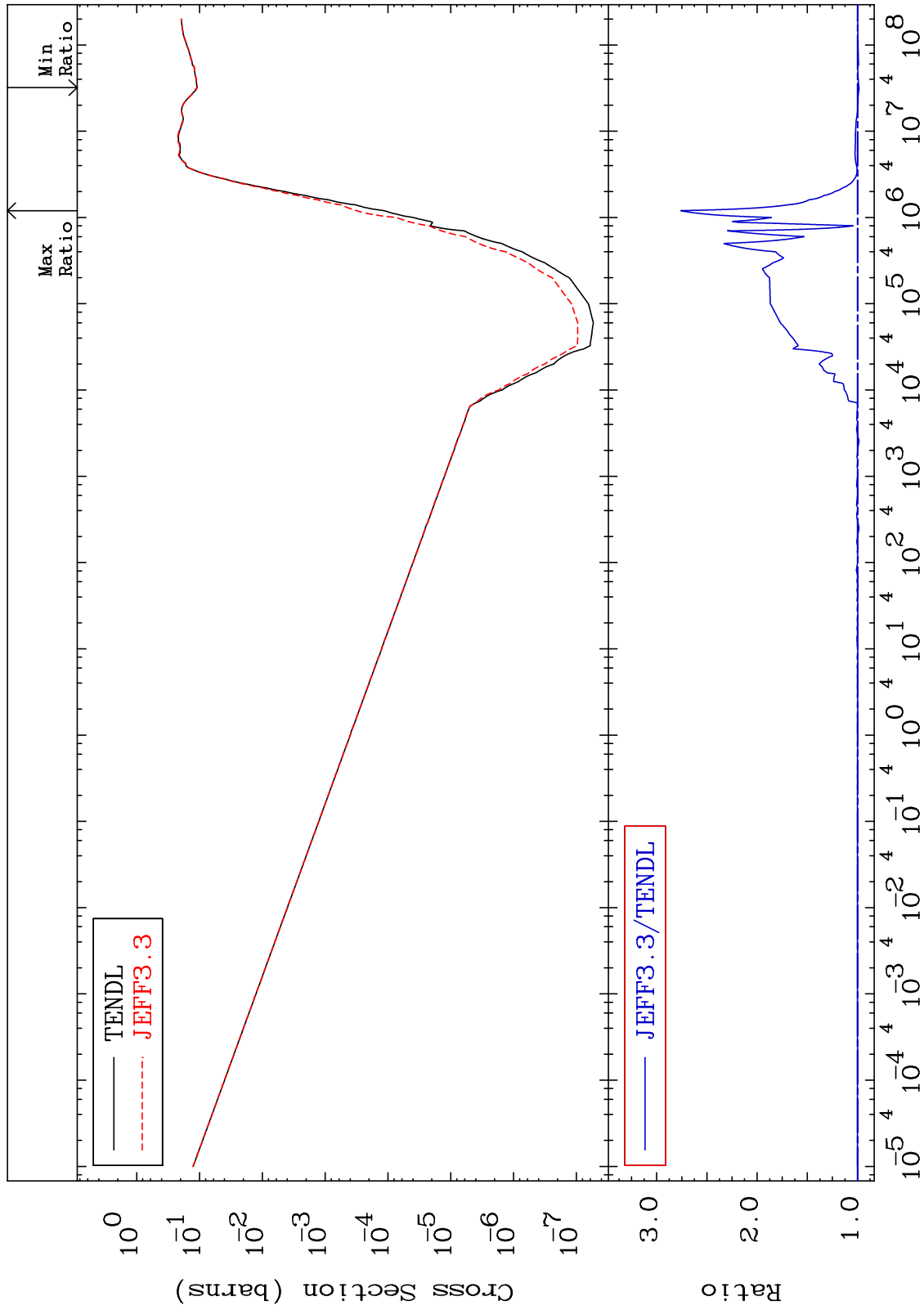
20-Ca-40
-0.646 To 0.041 %



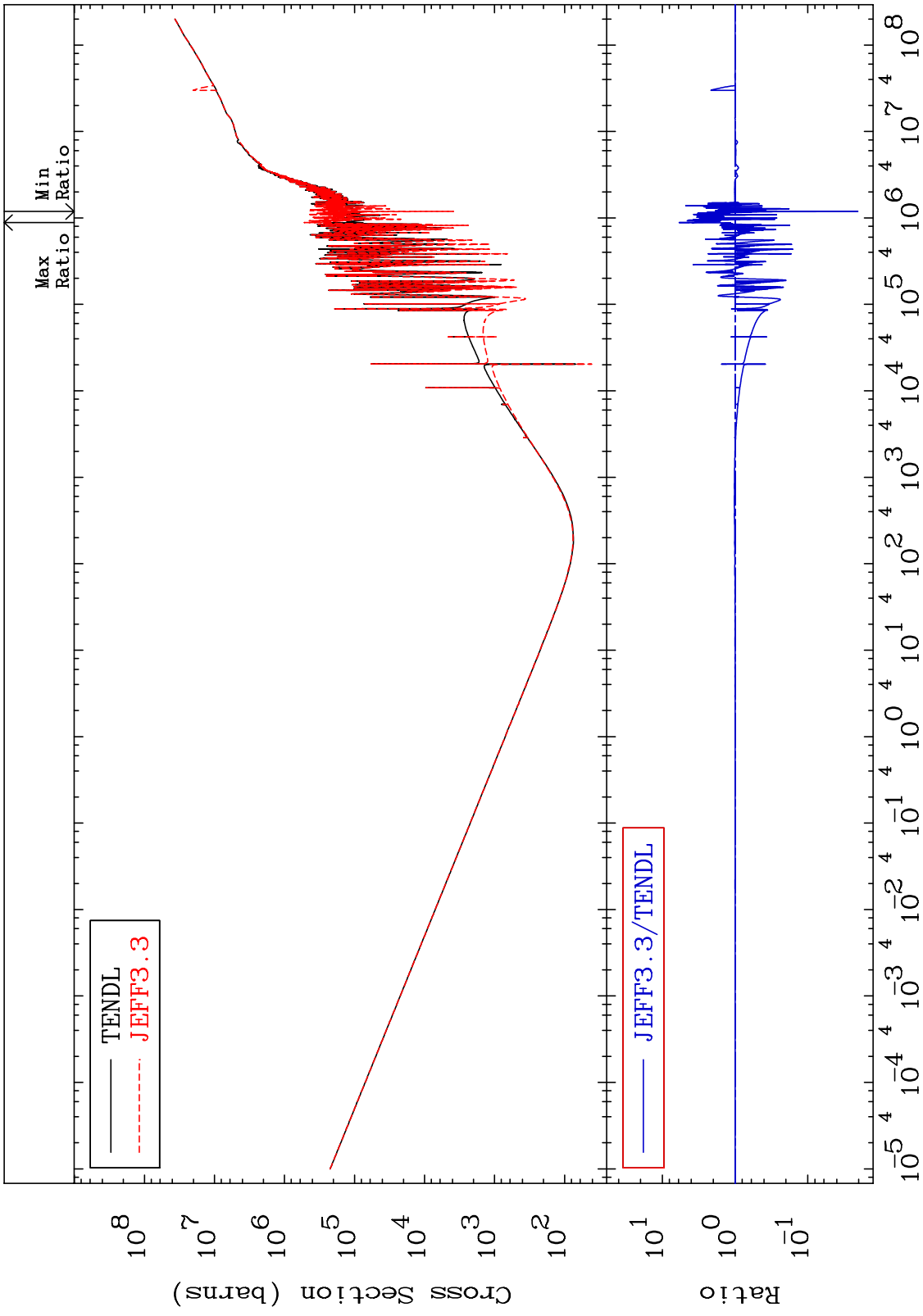
MAT 2025

He-4 Production
Cross Section

20-Ca-40
-1.450 To 176.2 %



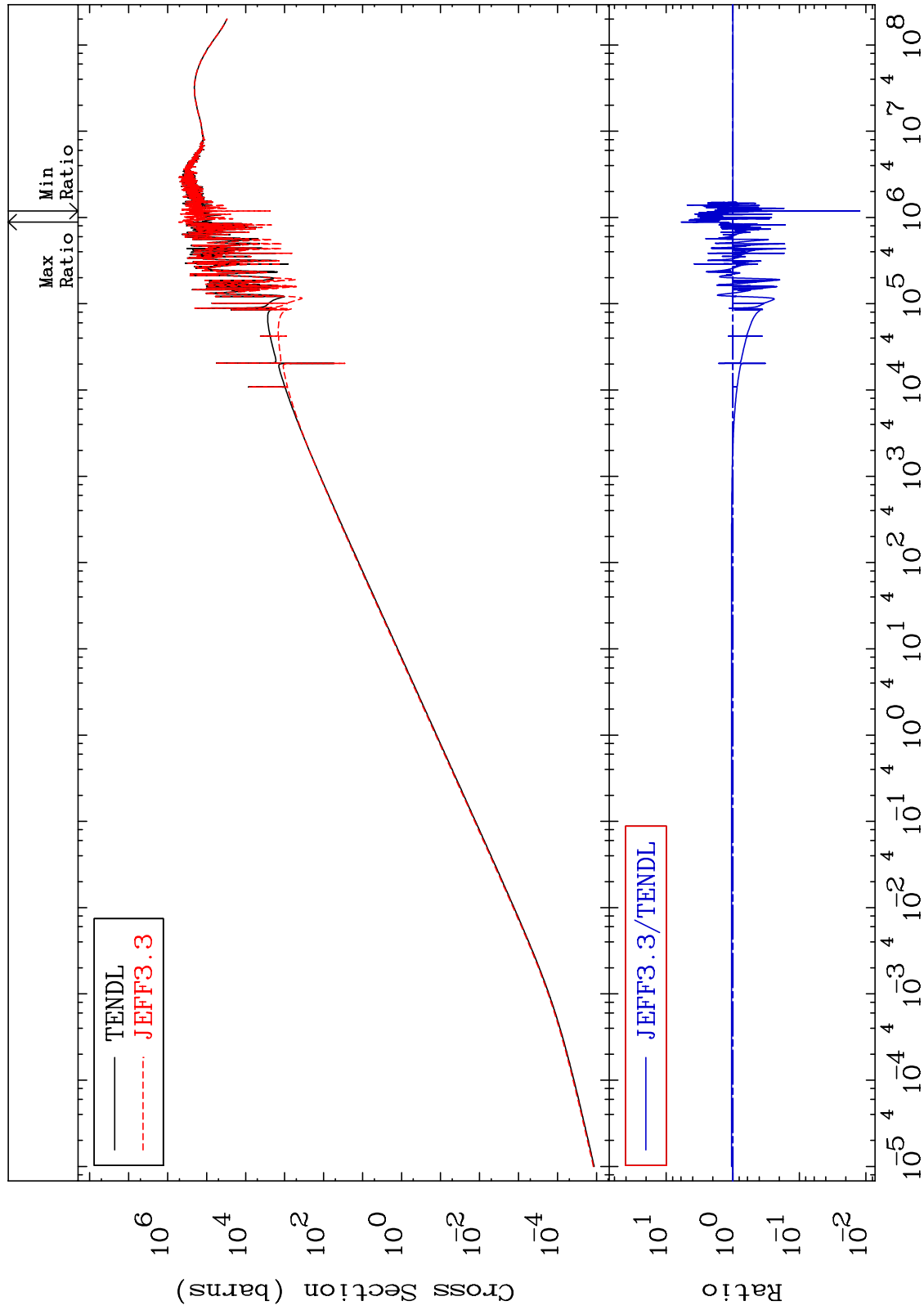
MAT 2025 Kerma total (eV-barns) Cross Section 20-Ca-40
 -97.95 To 489.6 %



MAT 2025

Kerma elastic
Cross Section

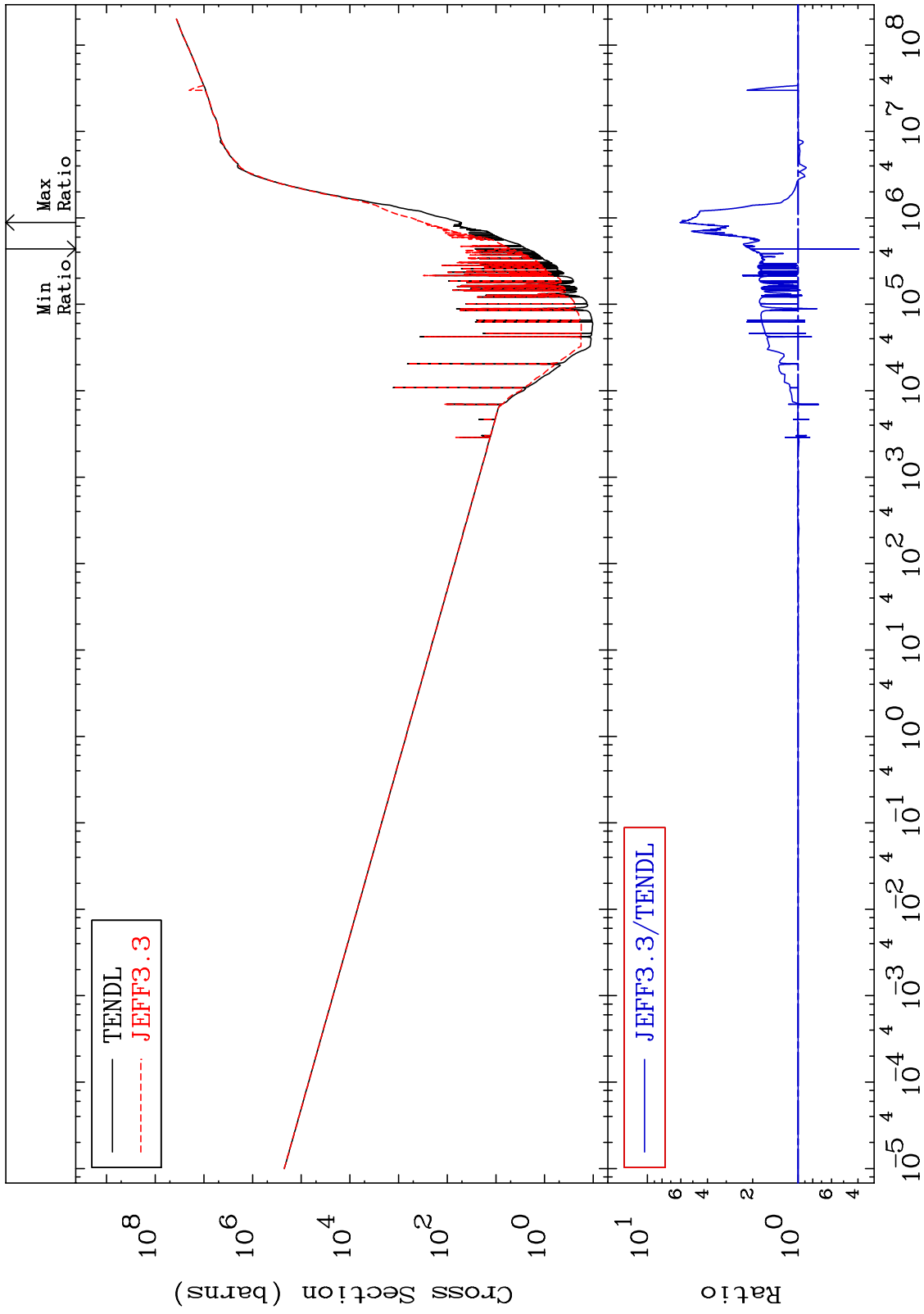
20-Ca-40
-98.77 To 489.6 %



MAT 2025

Kerma non-elastic (all but mt2)
Cross Section

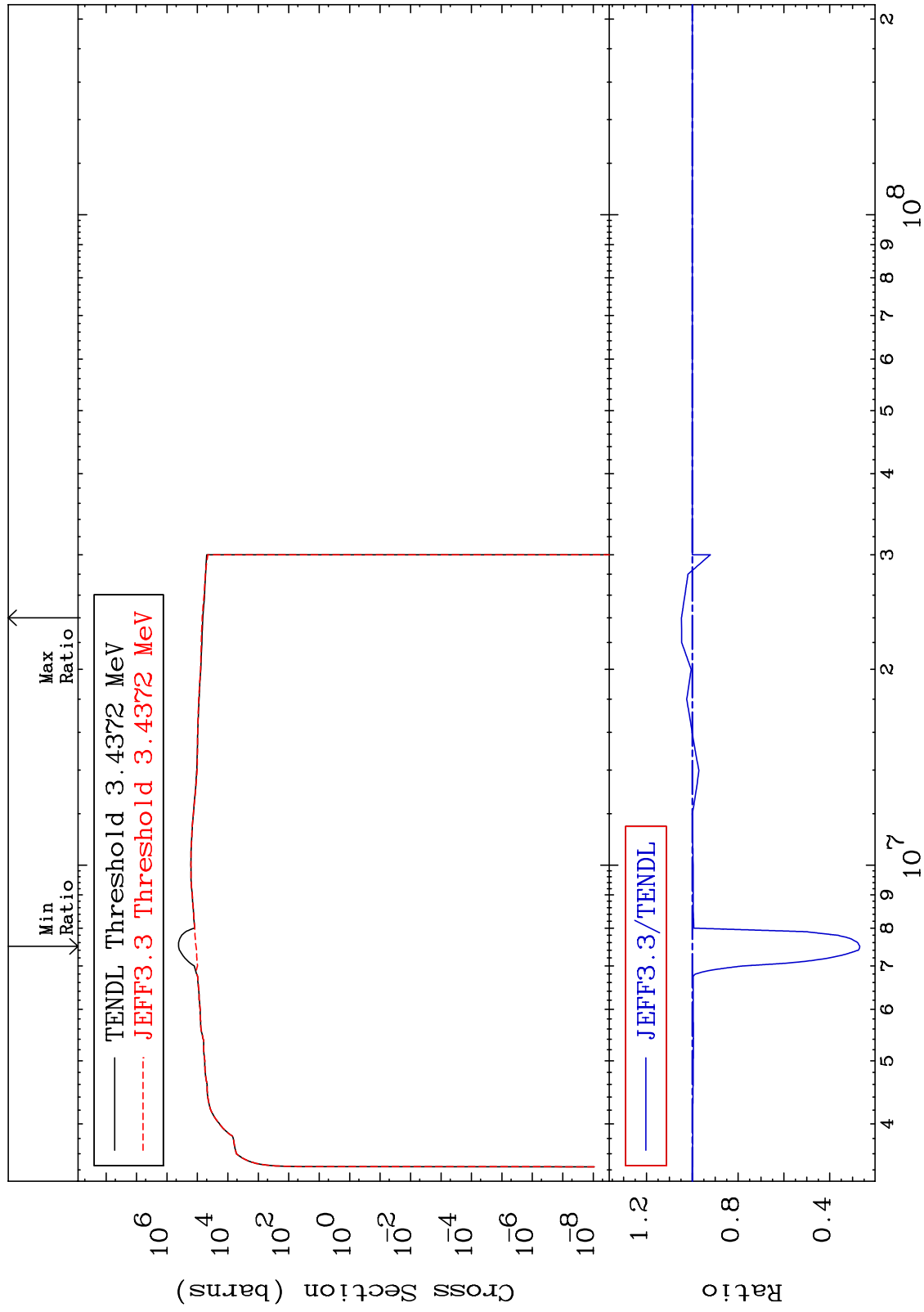
20-Ca-40
-60.50 To 505.5 %



MAT 2025

Kerma inelastic (mt51-91)
Cross Section

20-Ca-40
-73.13 To 4.749 %



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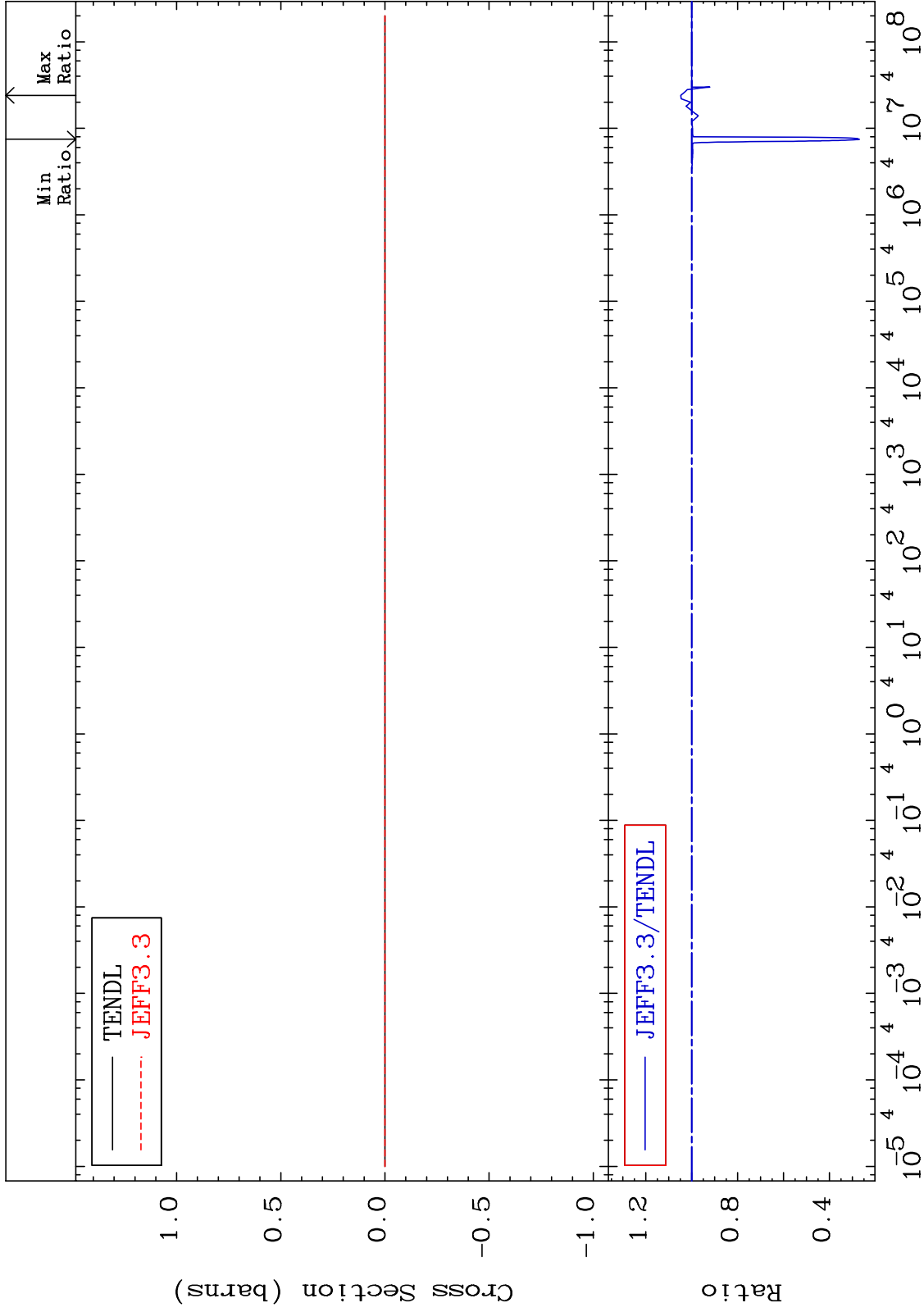
Incident Energy (eV)

20-Ca-40

MAT 2025

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

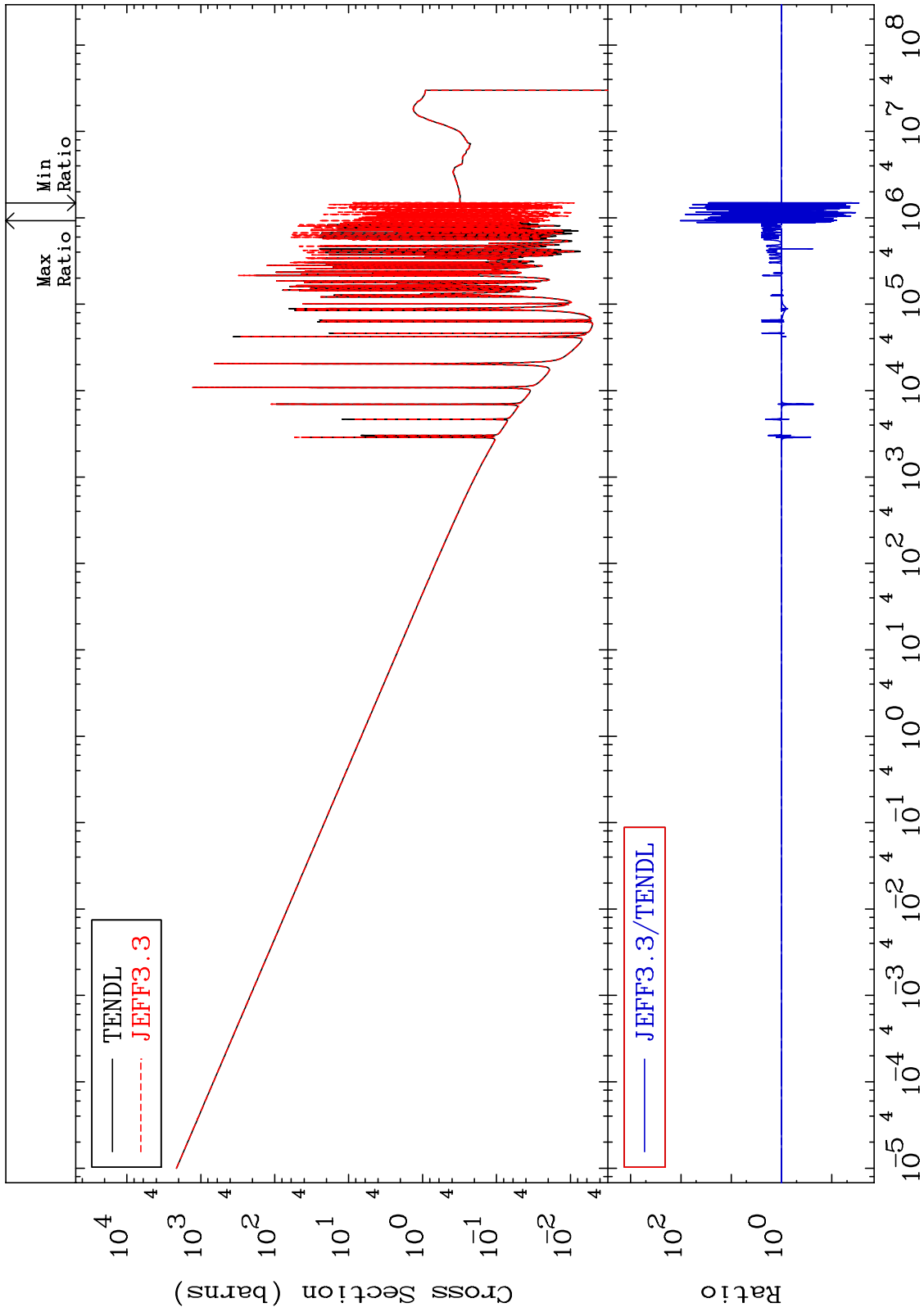
20-Ca-40
-73.13 To 4.749 %



MAT 2025

Kerma capture (mt102)
Cross Section

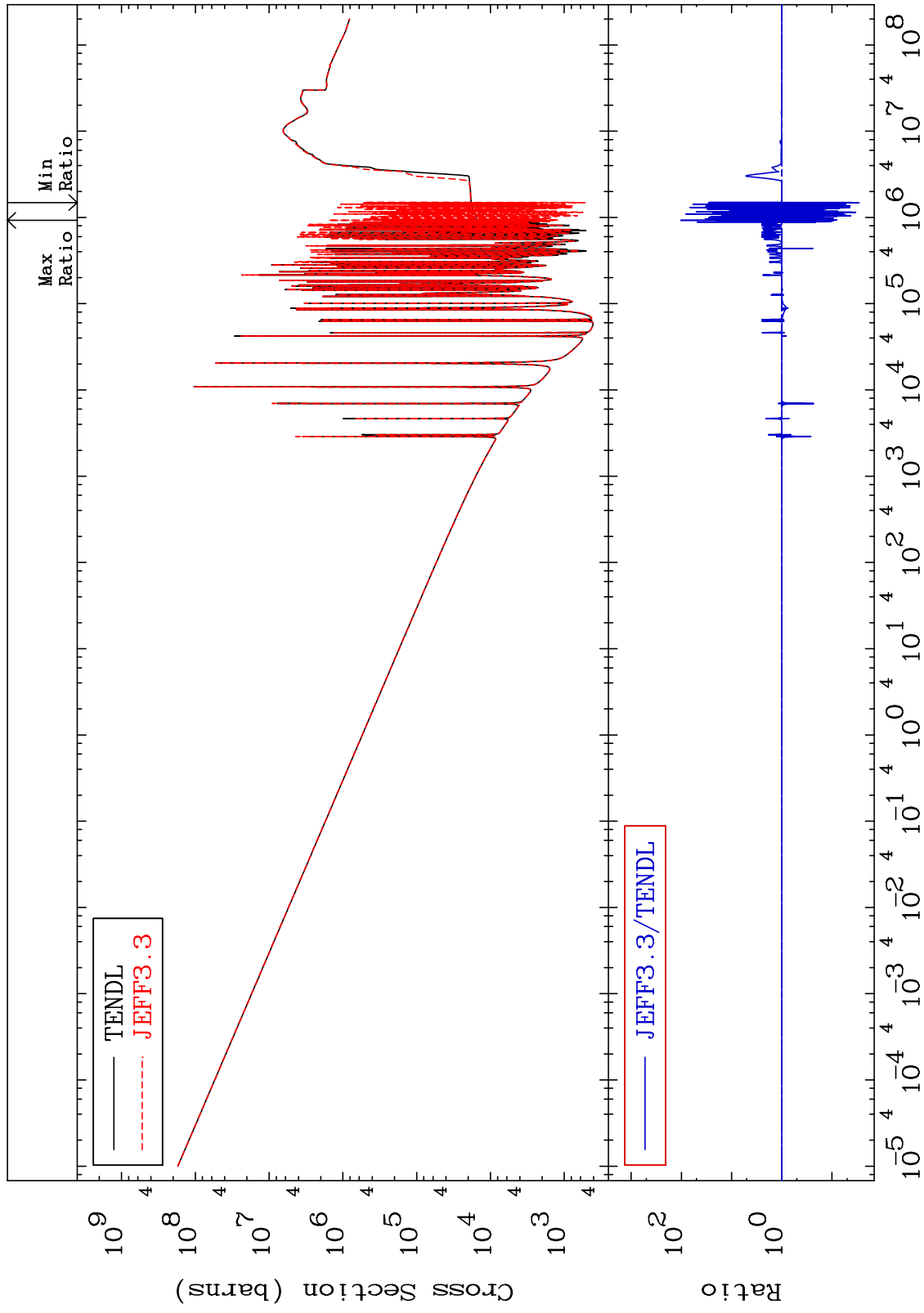
20-Ca-40
-97.11 To 9999. %



MAT 2025

Total photon (eV-barns)
Cross Section

20-Ca-40
-97.10 To 9999. %

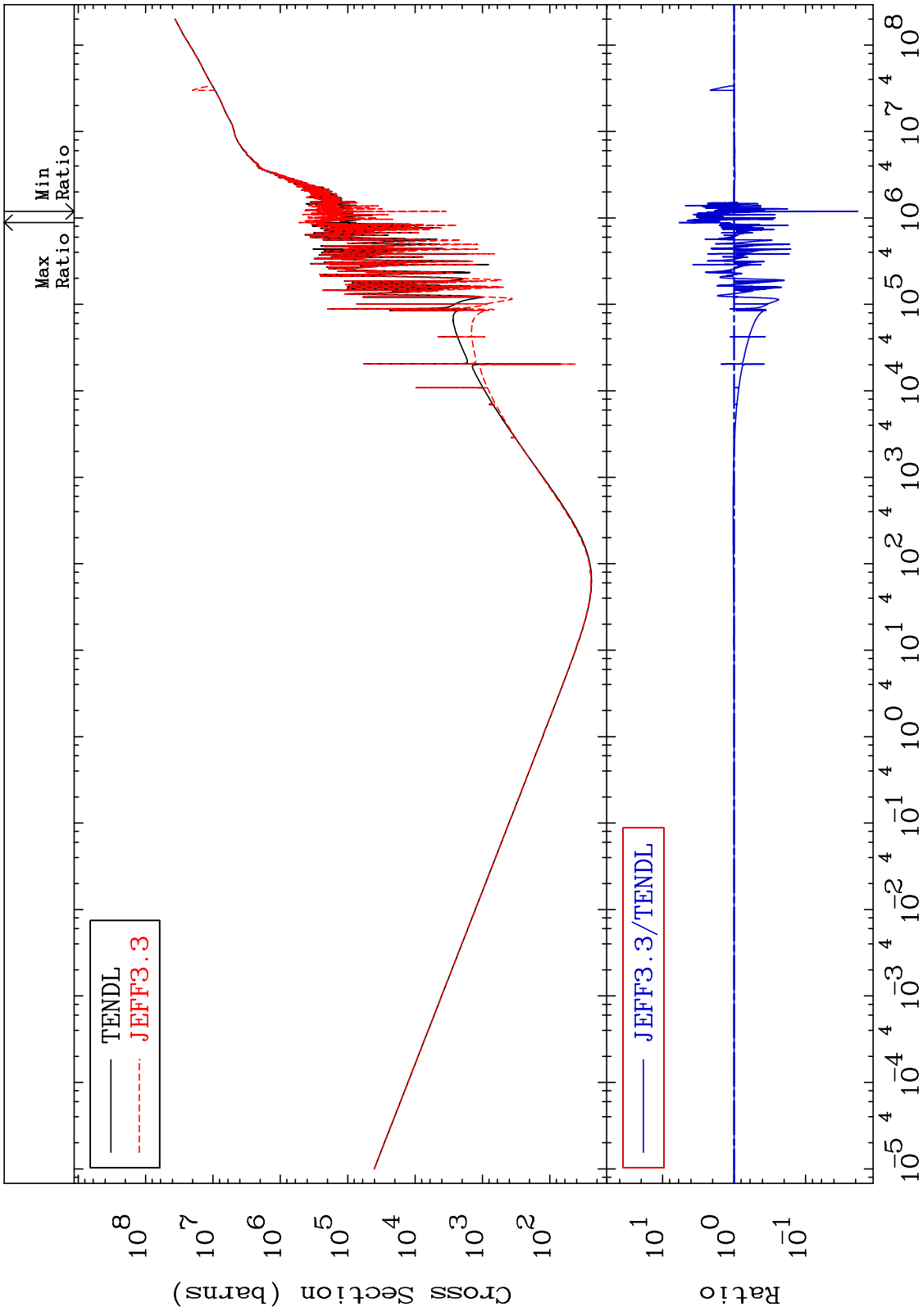


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Incident Energy (eV)

20-Ca-40

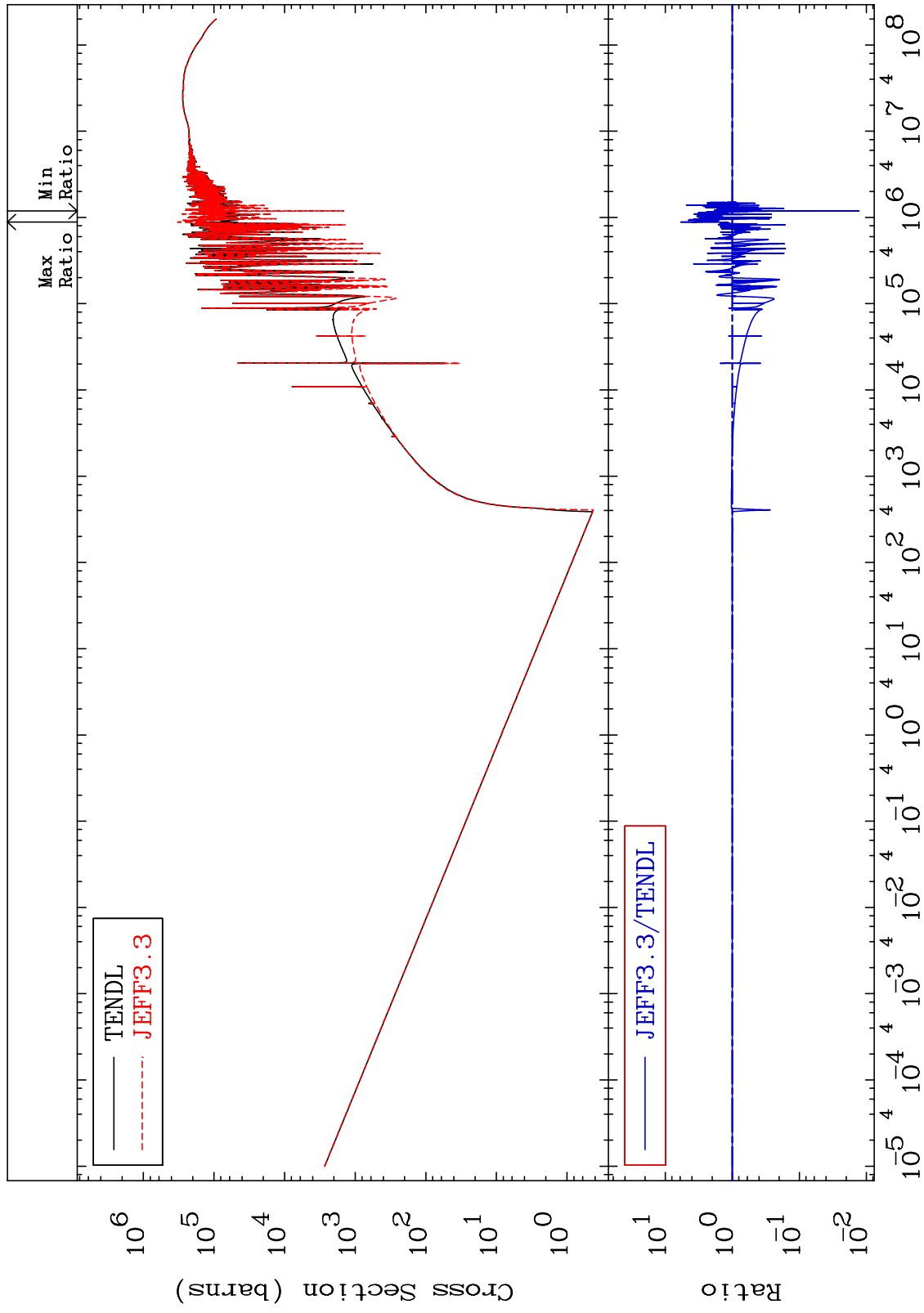
MAT 2025 Total kinematic kerma (high limit) Cross Section 20-Ca-40
-98.14 To 489.6 %



MAT 2025

Dpa total (eV-barns)
Cross Section

20-Ca-40
-98.71 To 489.8 %

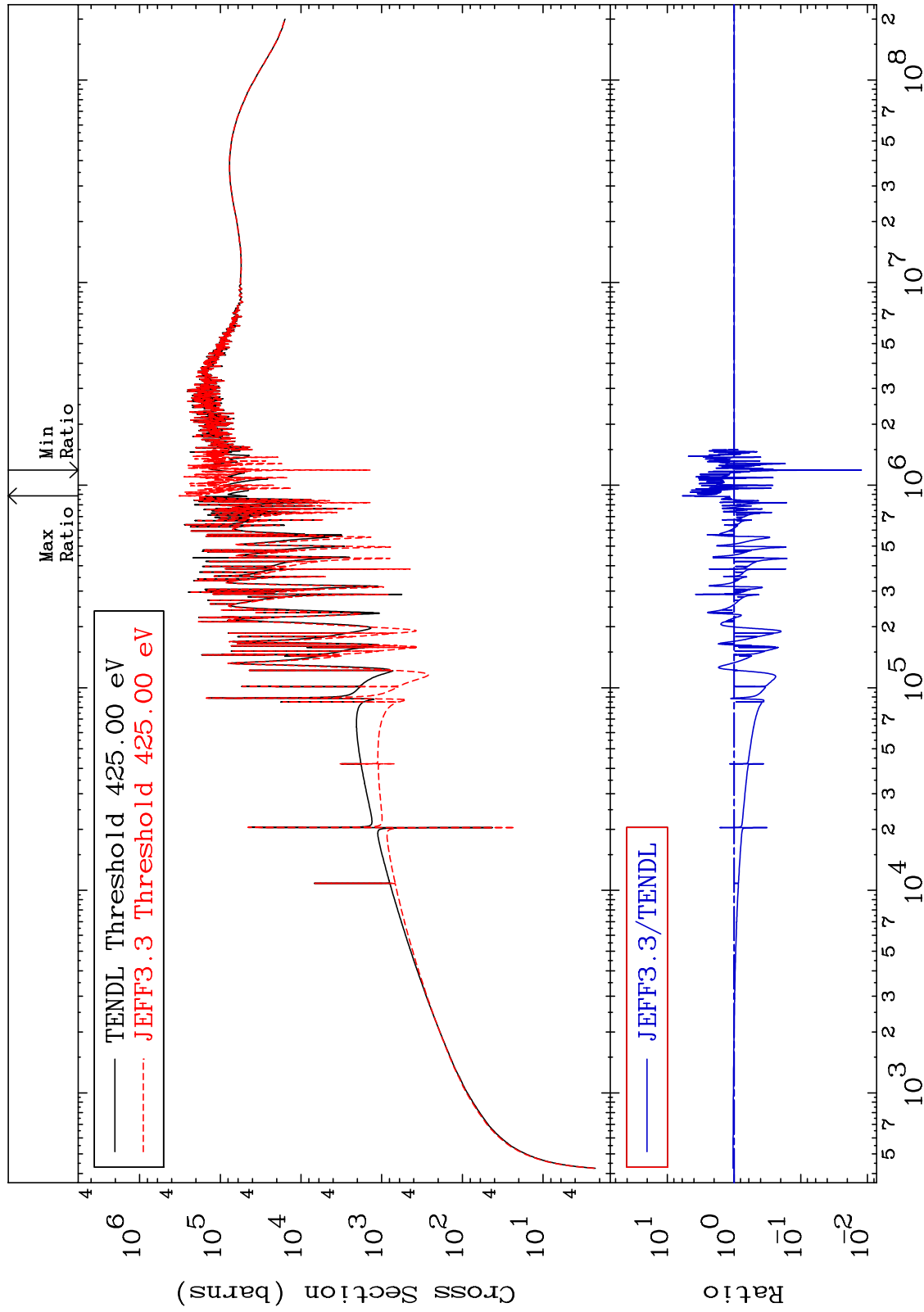


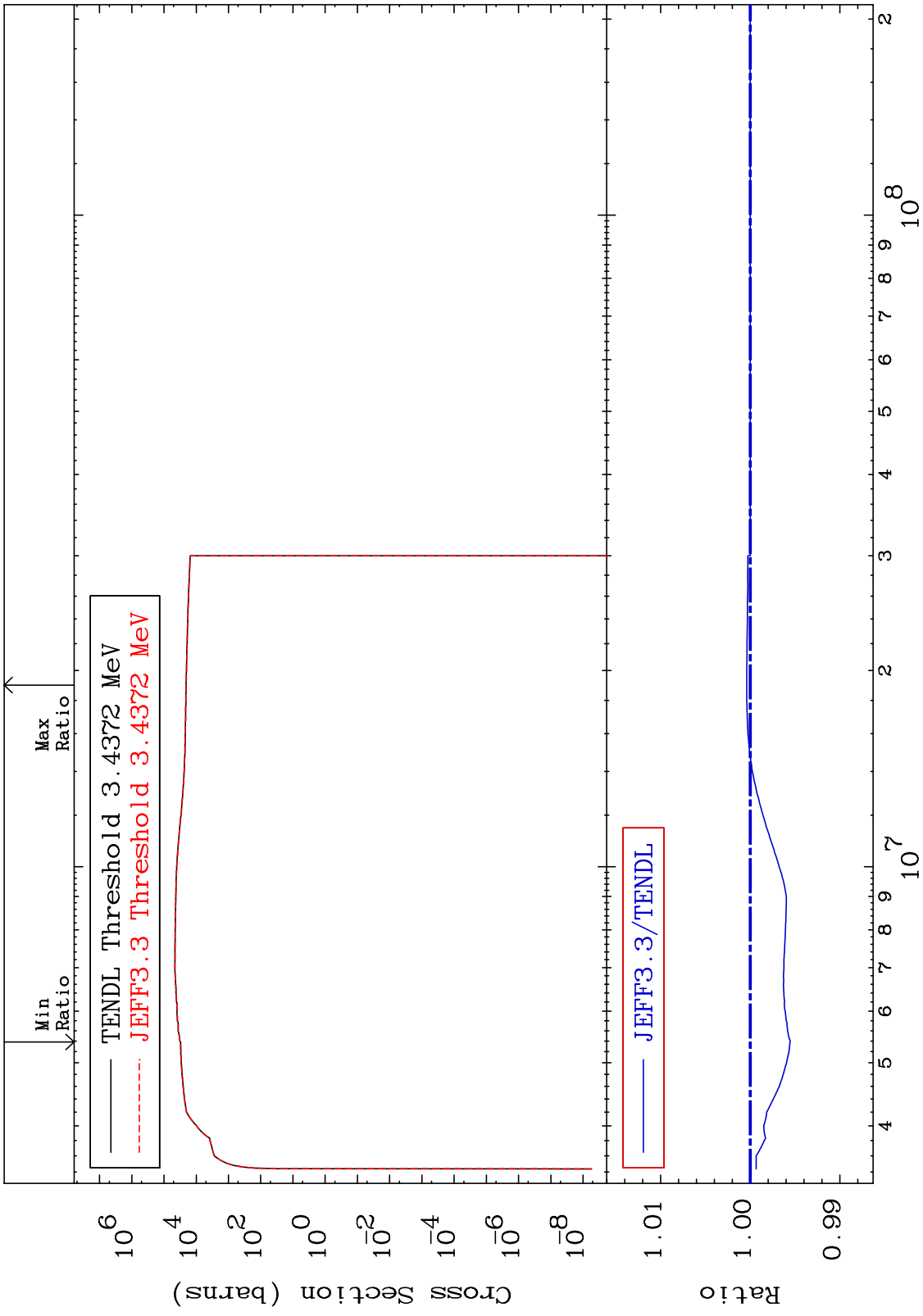
MAT 2025

Dpa elastic (mt2)
Cross Section

20-Ca-40

-98.76 To 489.8 %

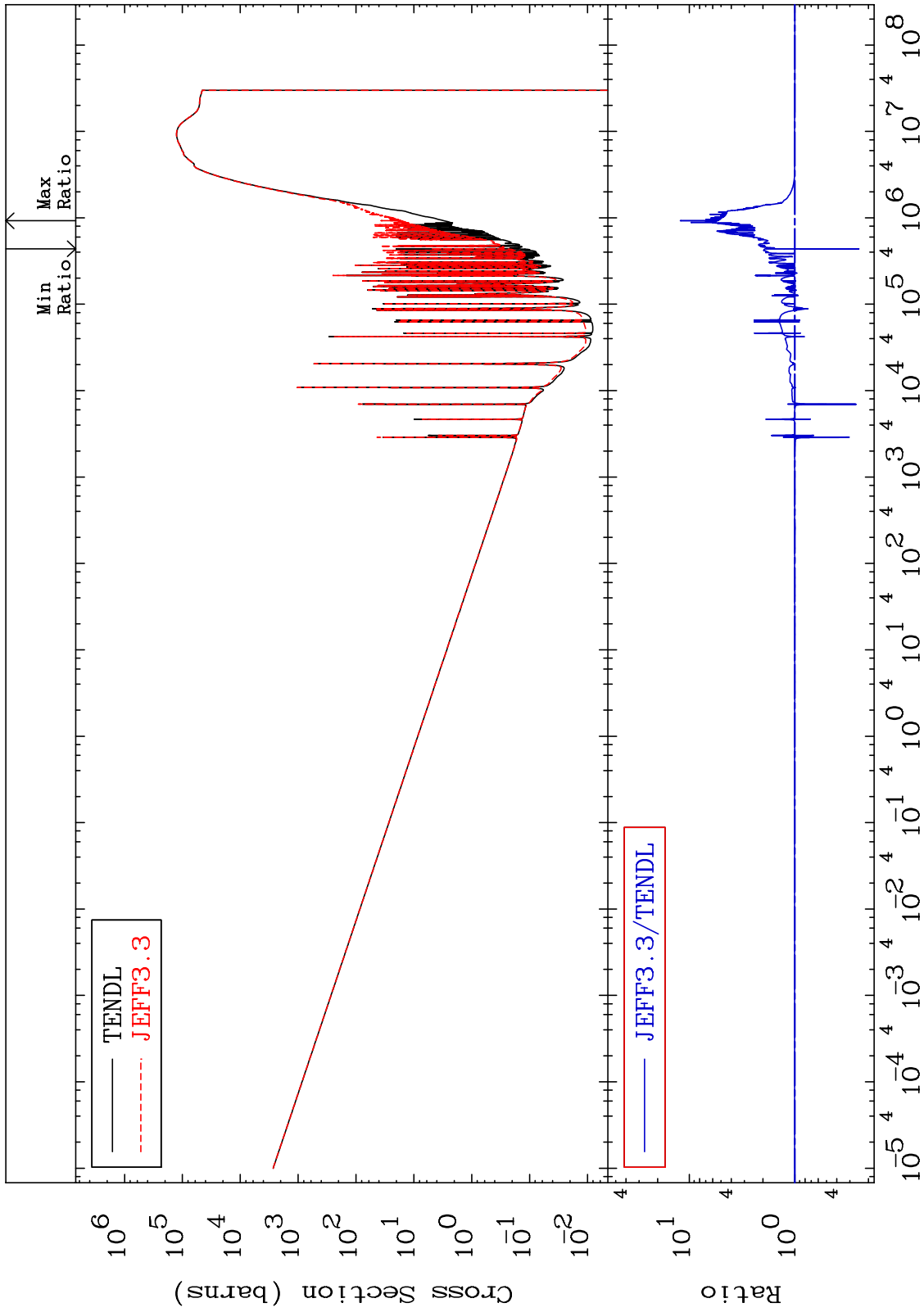




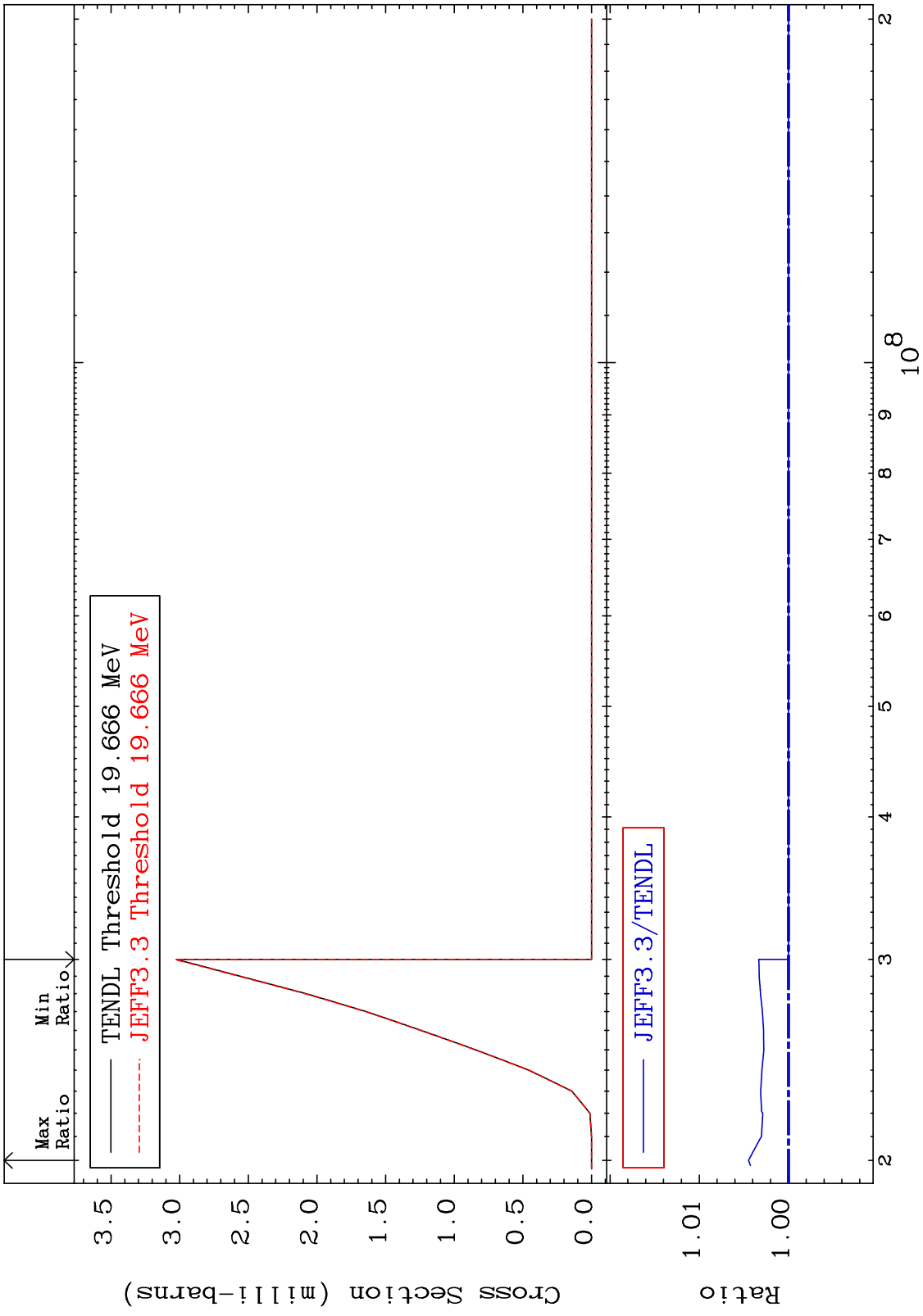
MAT 2025

Dpa disappearance (mt102 -120)
Cross Section

20-Ca-40
-75.34 To 1121. %



MAT 2025 (n,n') d:19-K -38g 20-Ca-40
 Radionuclide Production Cross Section 0.000 To 0.448 %

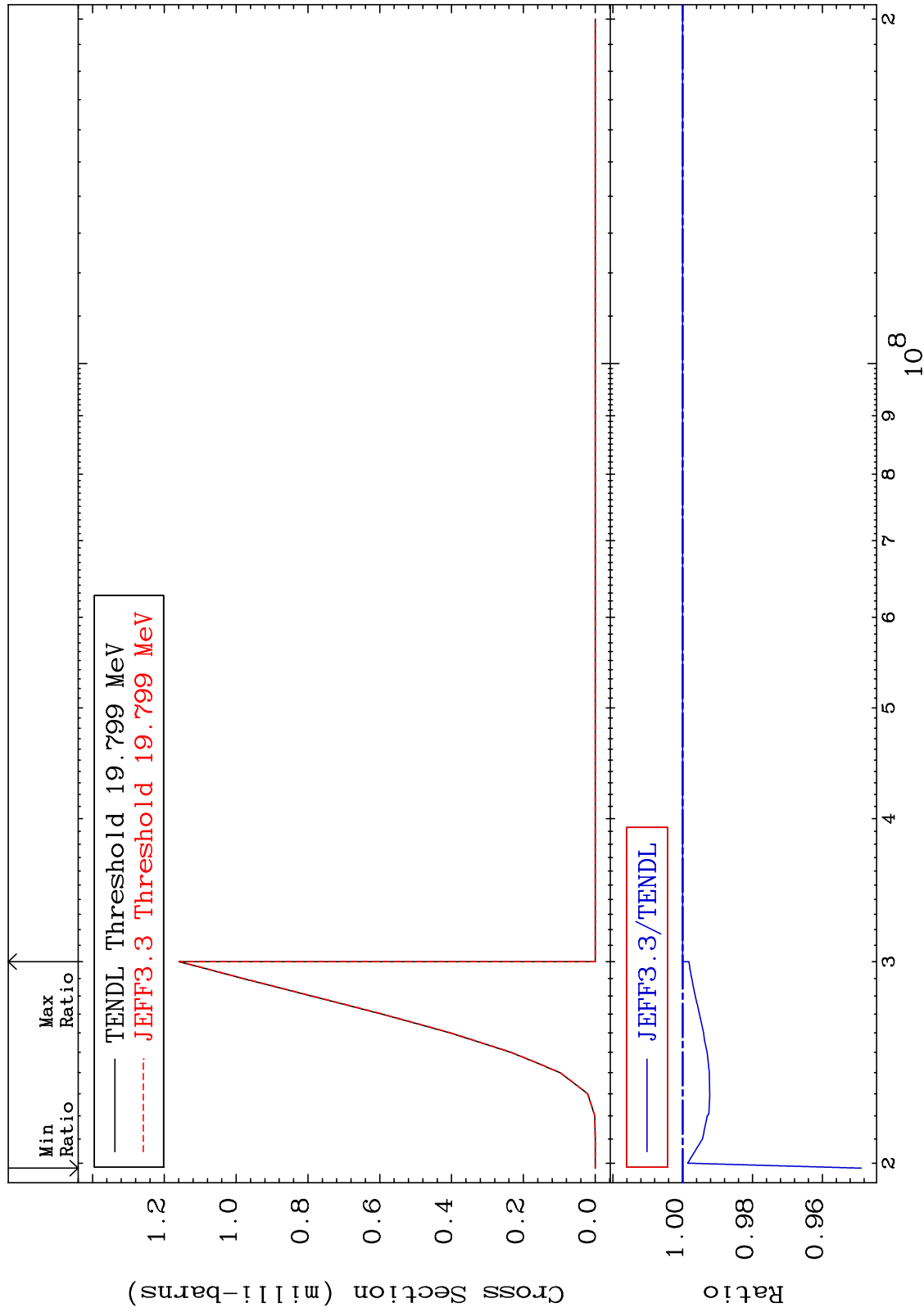


MAT 2025

(n, n') d:19-K -38m1

20-Ca-40

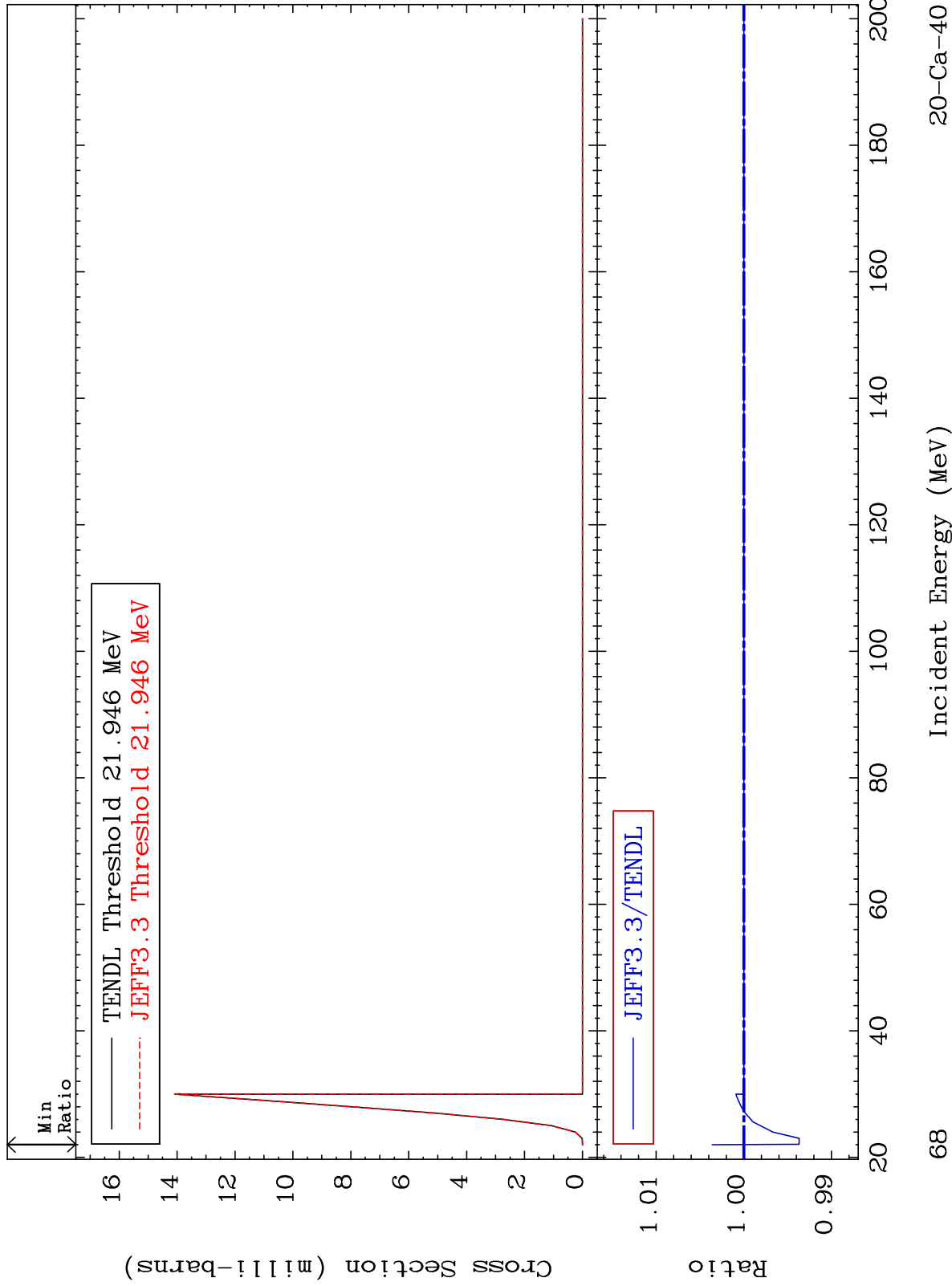
Radionuclide Production Cross Section -5.117 To 0.000 %



67

MAT 2025

(n,2n) p:19-K -38g 20-Ca-40
Radionuclide Production Cross Section -0.632 To 0.361 %

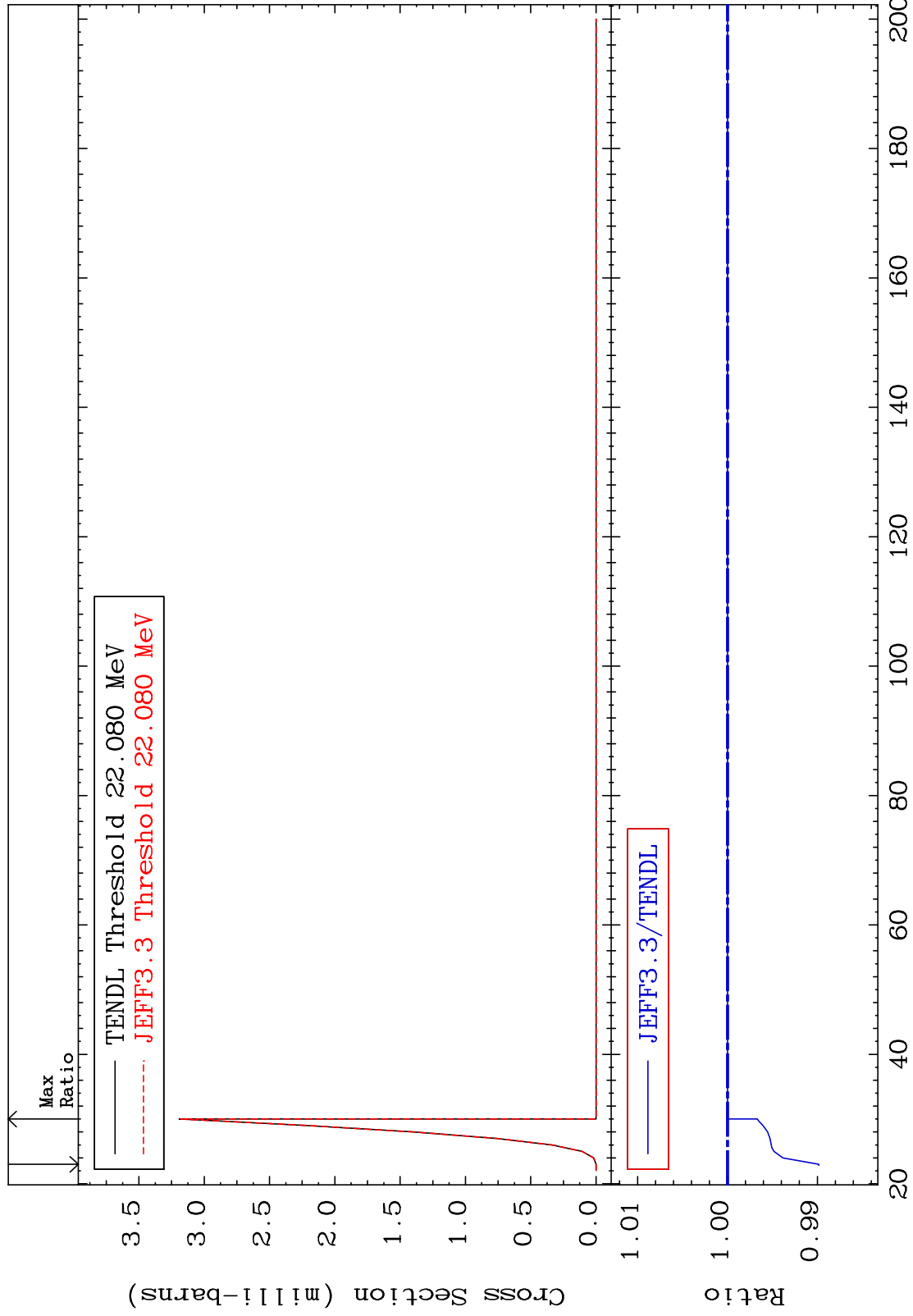


MAT 2025

(n,2n) p:19-K -38m1

20-Ca-40

Radionuclide Production Cross Section -1.015 To 0.000 %

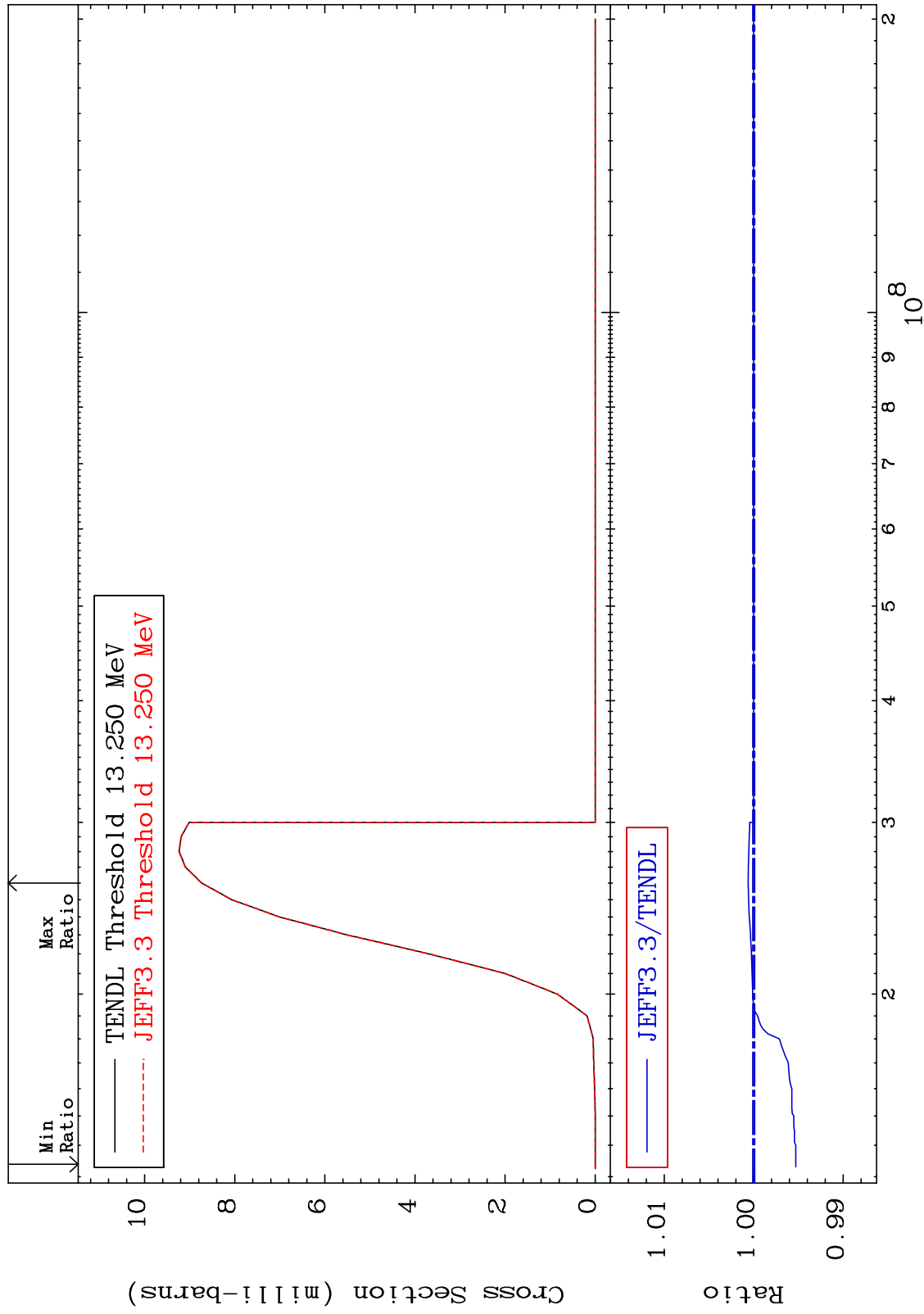


MAT 2025

(n,t):19-K -38g

20-Ca-40

Radionuclide Production Cross Section -0.471 To 0.062 %



70

Incident Energy (eV)

20-Ca-40

MAT 2025 (n,t):19-K -38m1 20-Ca-40
 Radionuclide Production Cross Section -0.636 To 0.051 %

