

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

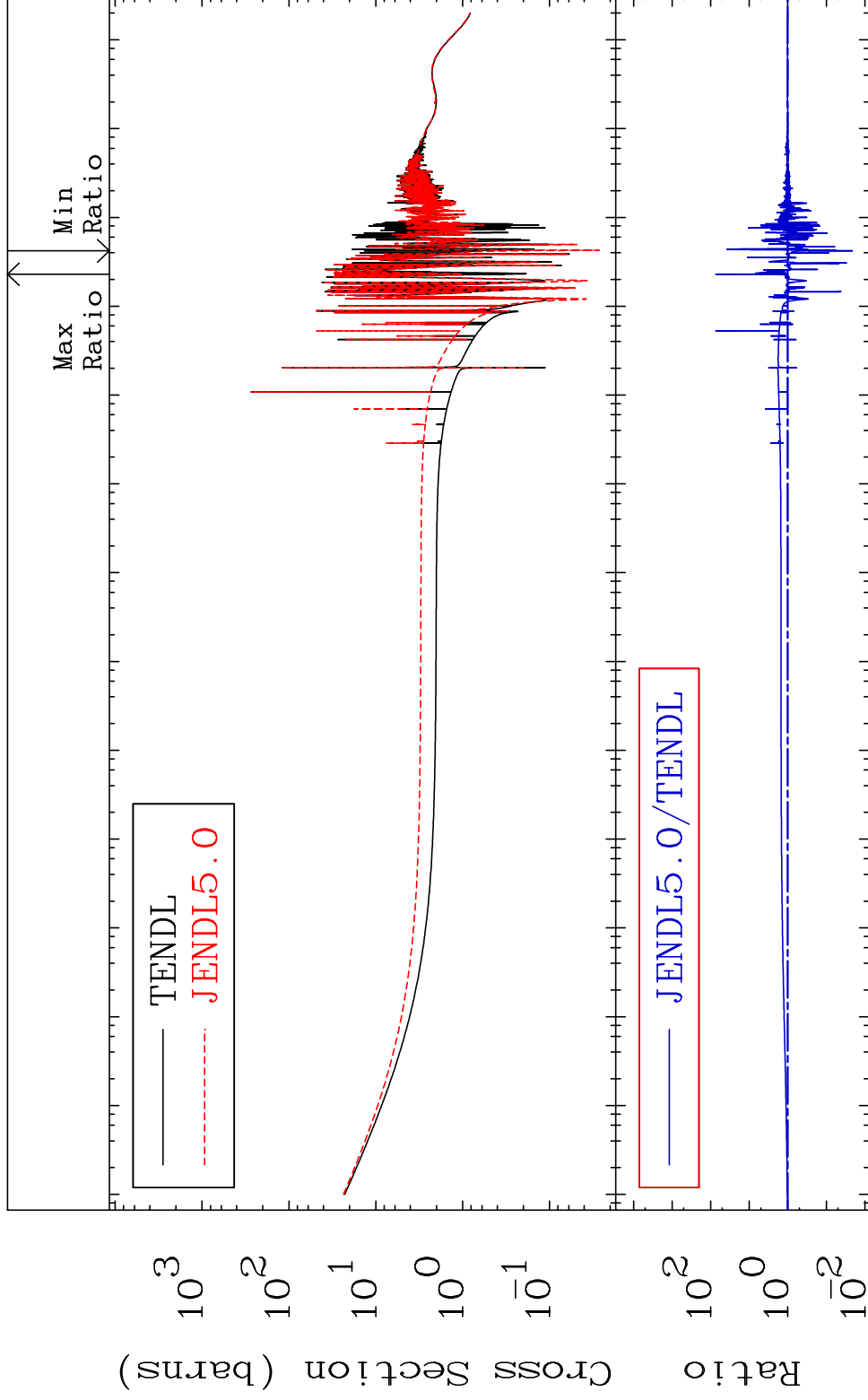
MAT 2025

Total

20-Ca-40

Cross Section

-97.87 To 7318. %

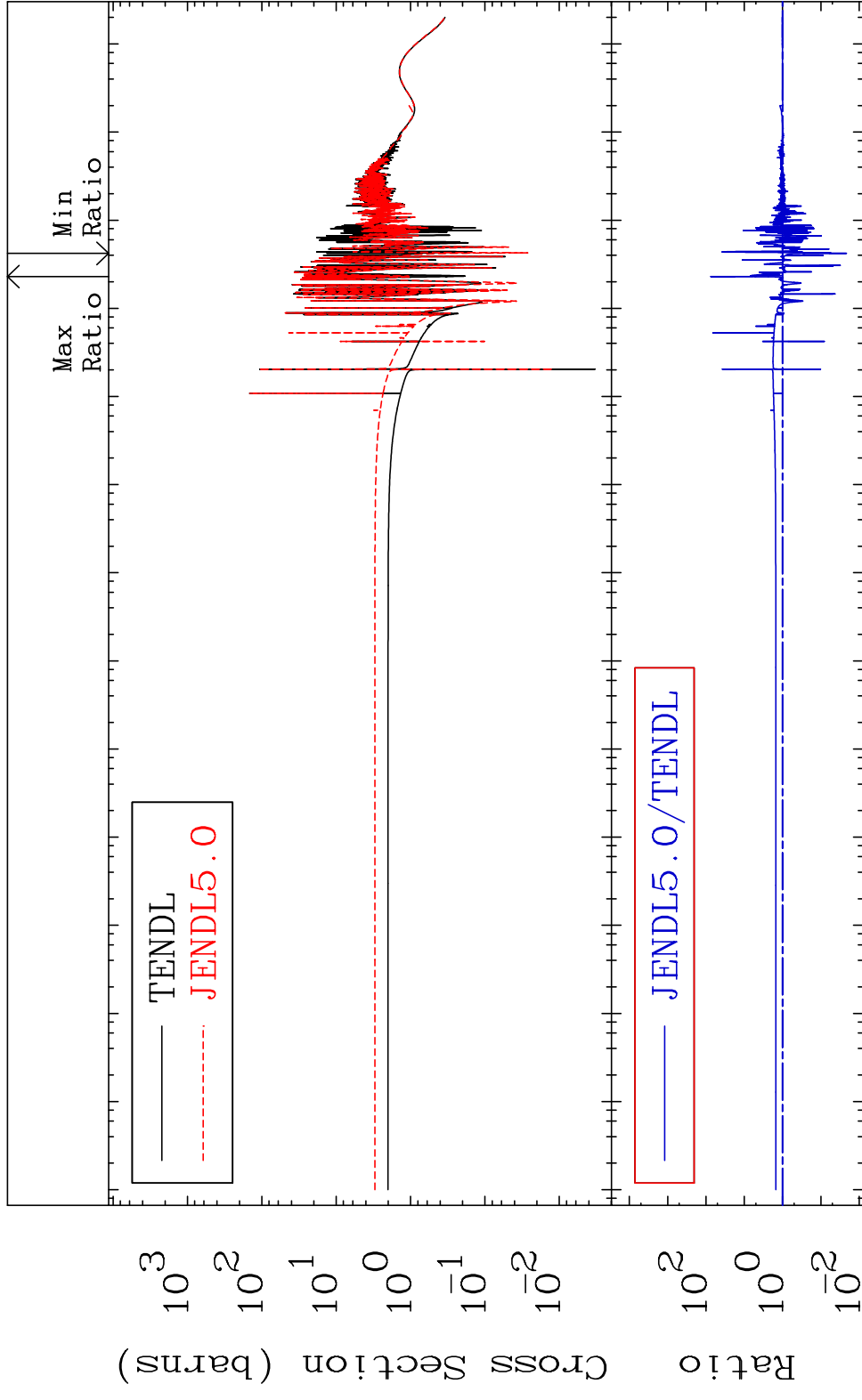


1

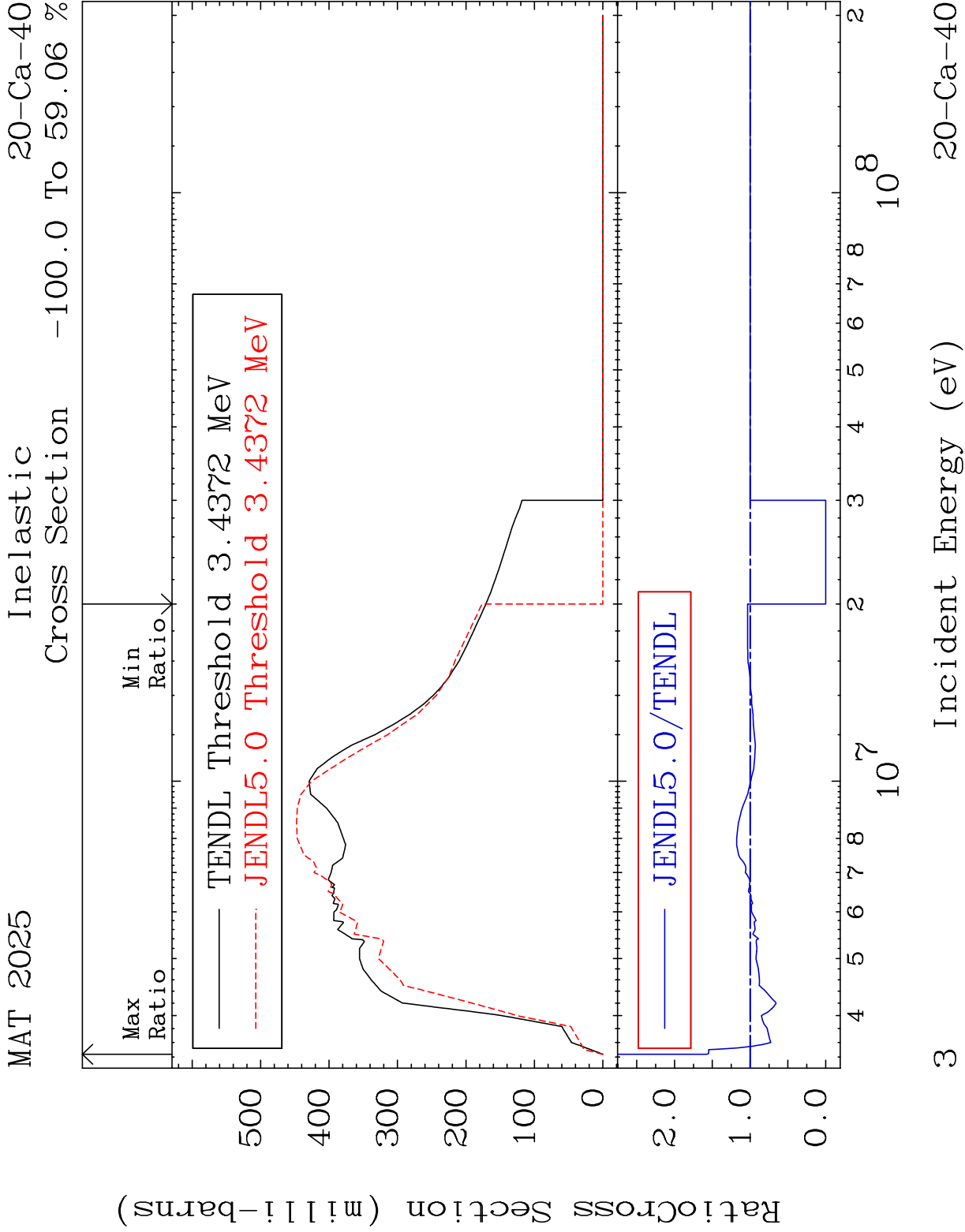
Incident Energy (eV)

20-Ca-40

MAT 2025 Elastic Cross Section -97.84 To 7417. % 20-Ca-40



Incident Energy (eV) 20-Ca-40

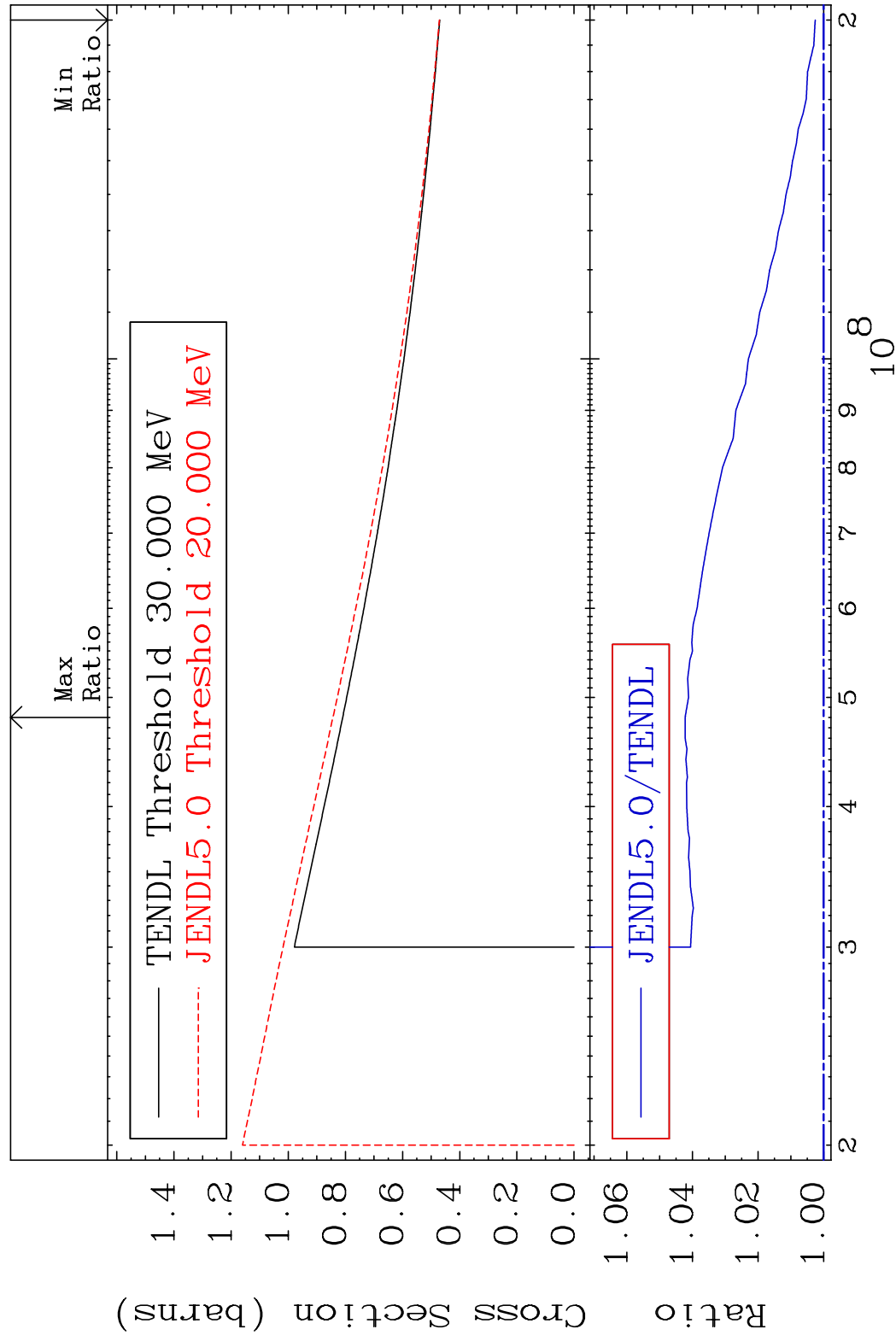


MAT 2025

(n, remainder)

20-Ca-40

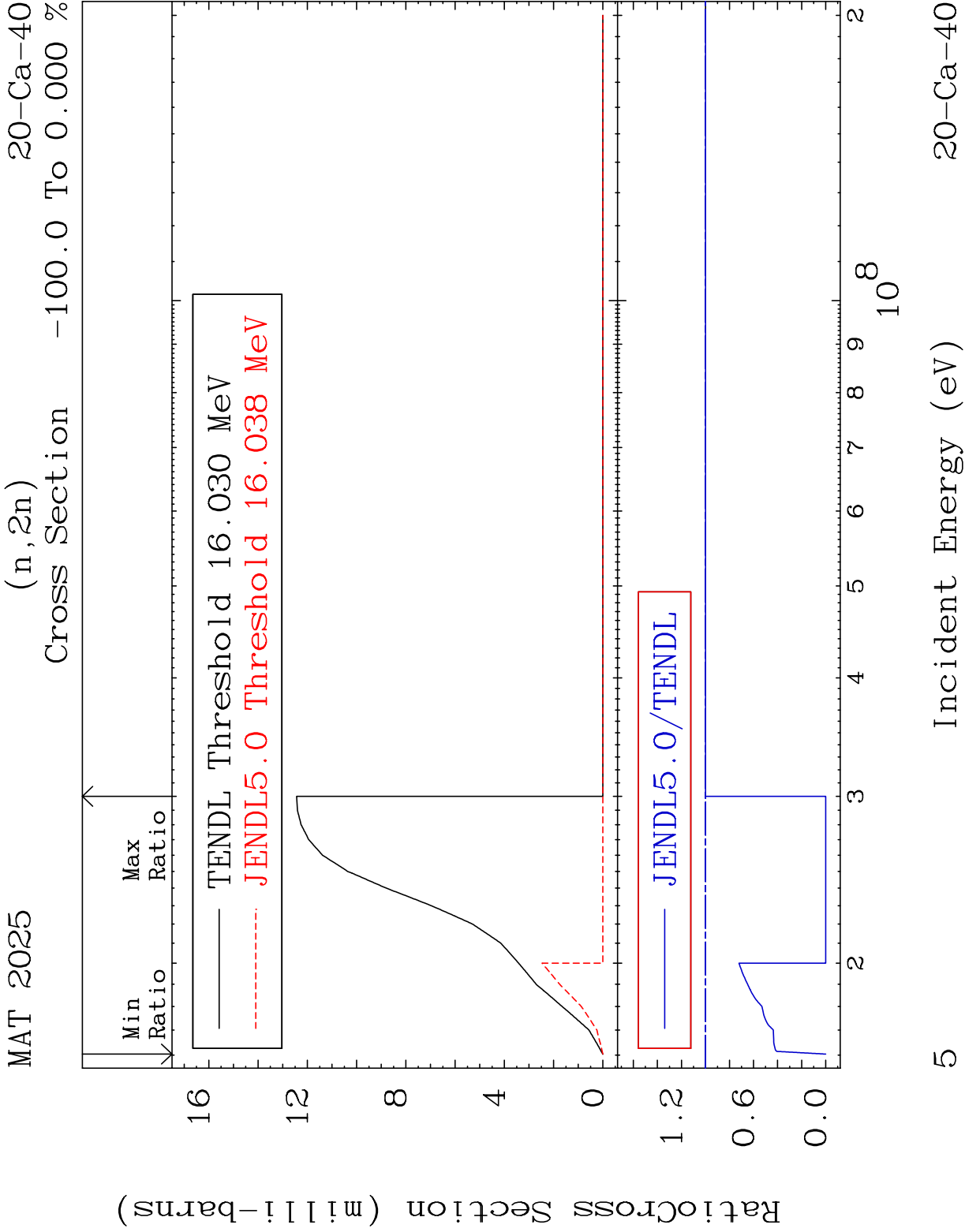
Cross Section 0.258 To 4.224 %



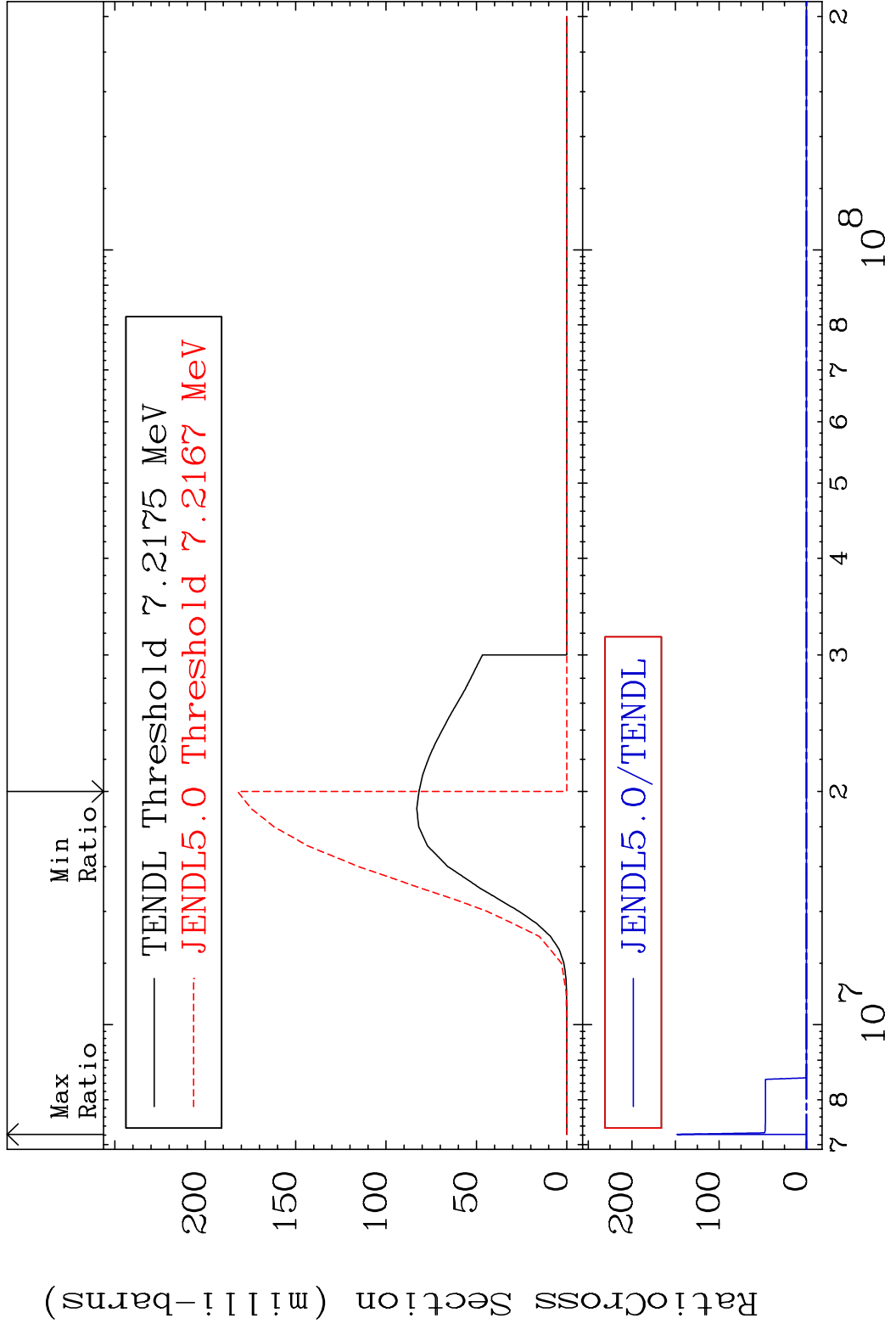
4

Incident Energy (eV)

20-Ca-40

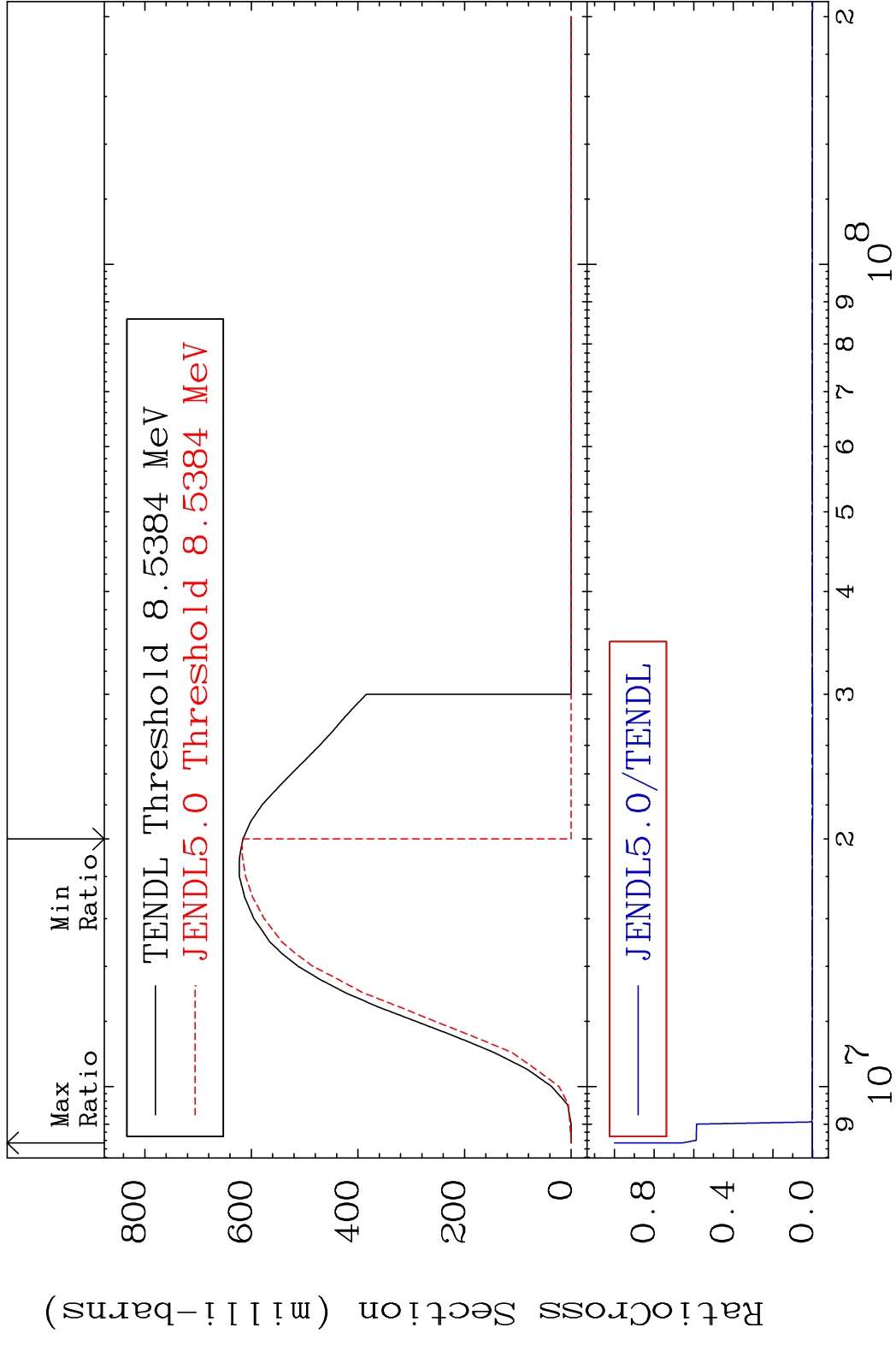


MAT 2025 (n, n')  $\alpha$  20-Ca-40  
 Cross Section -100.0 To 9999. %



6 7 8 20-Ca-40

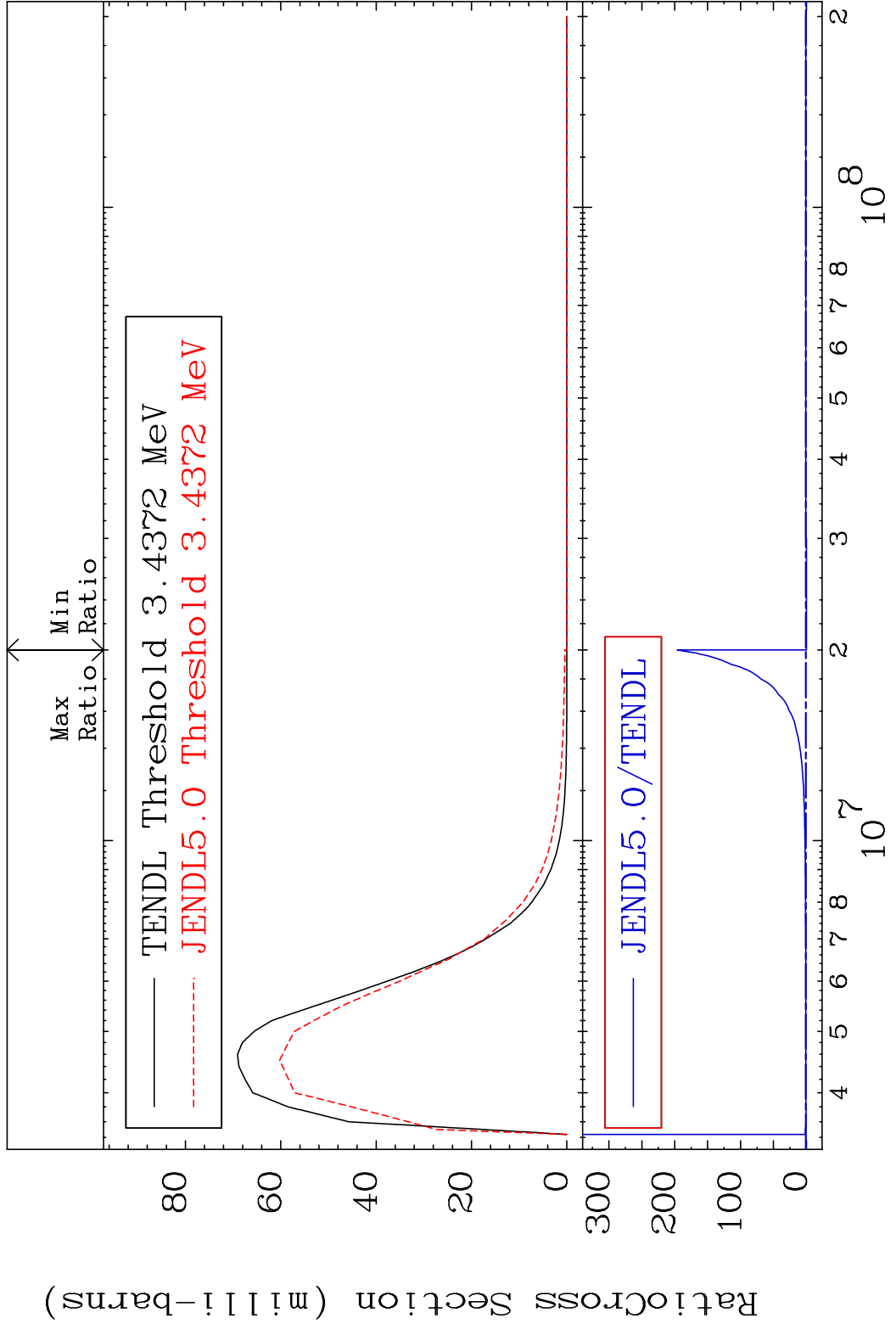
MAT 2025 (n, n') p 20-Ca-40  
 Cross Section -100.0 To 9999. %



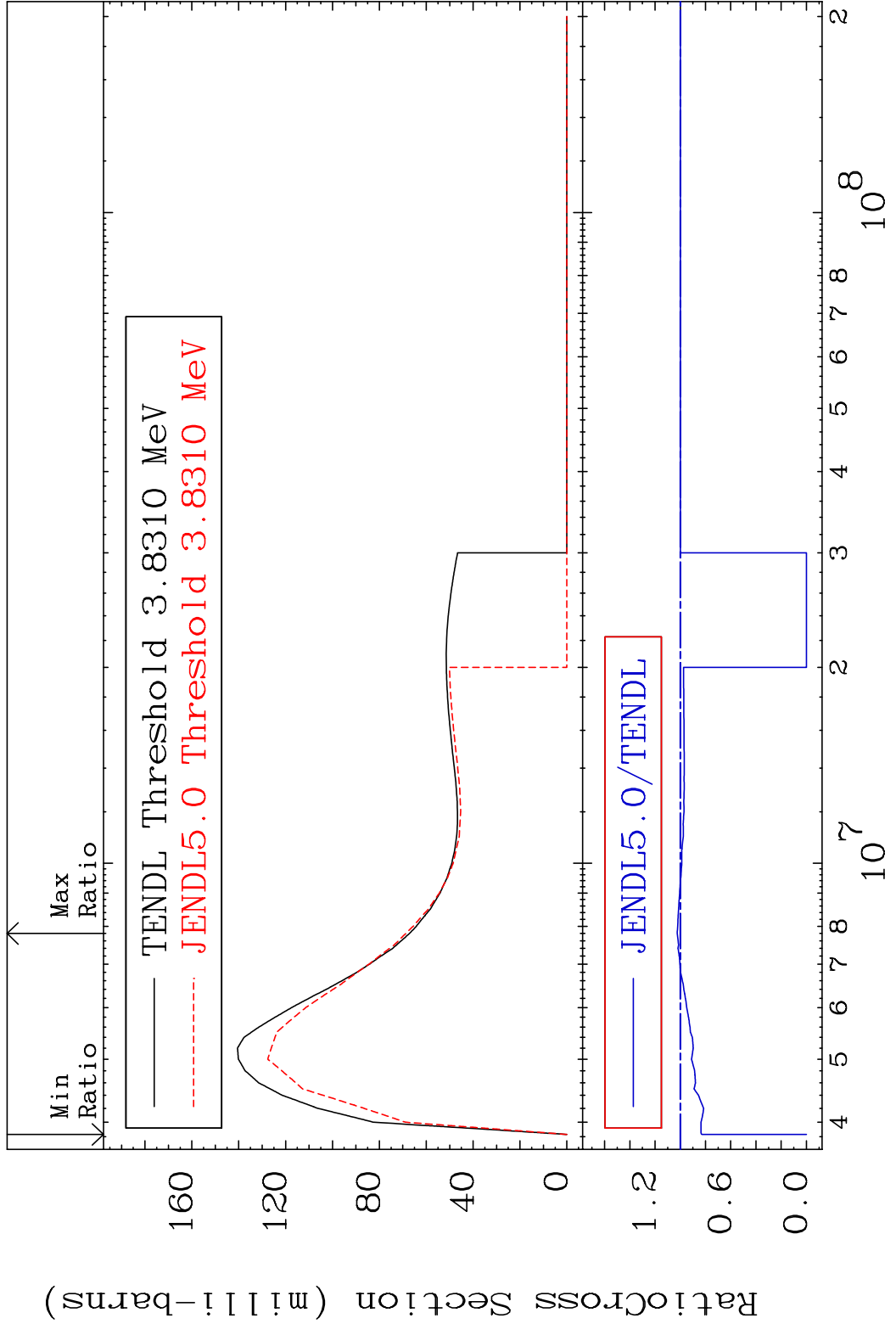
7 9 10 7 8 9 10 8 2



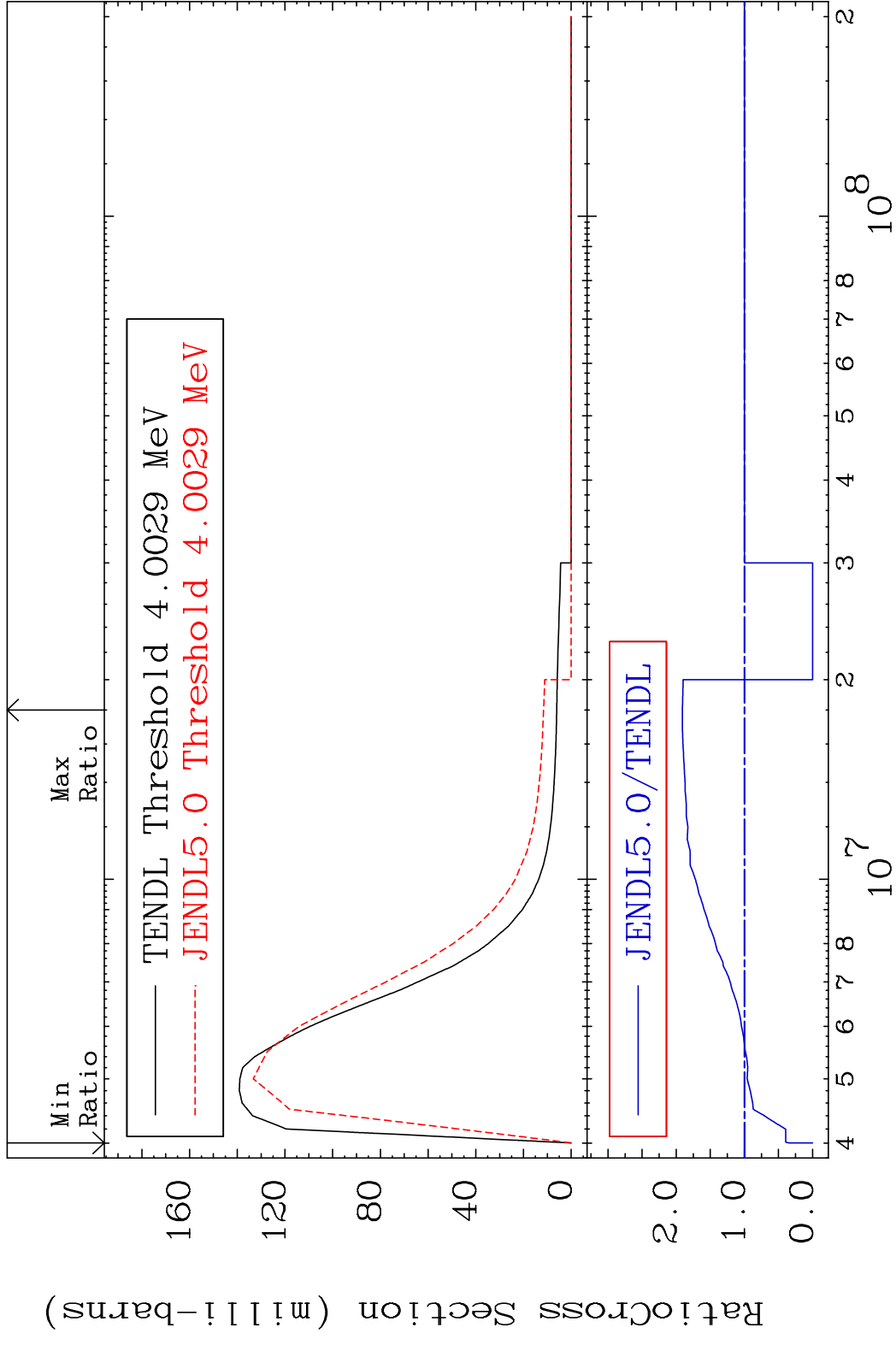
MAT 2025 MT= 51 (n,n') Level 20-Ca-40  
Cross Section -100.0 To 9999. %



MAT 2025 MT= 52 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 2.456 %

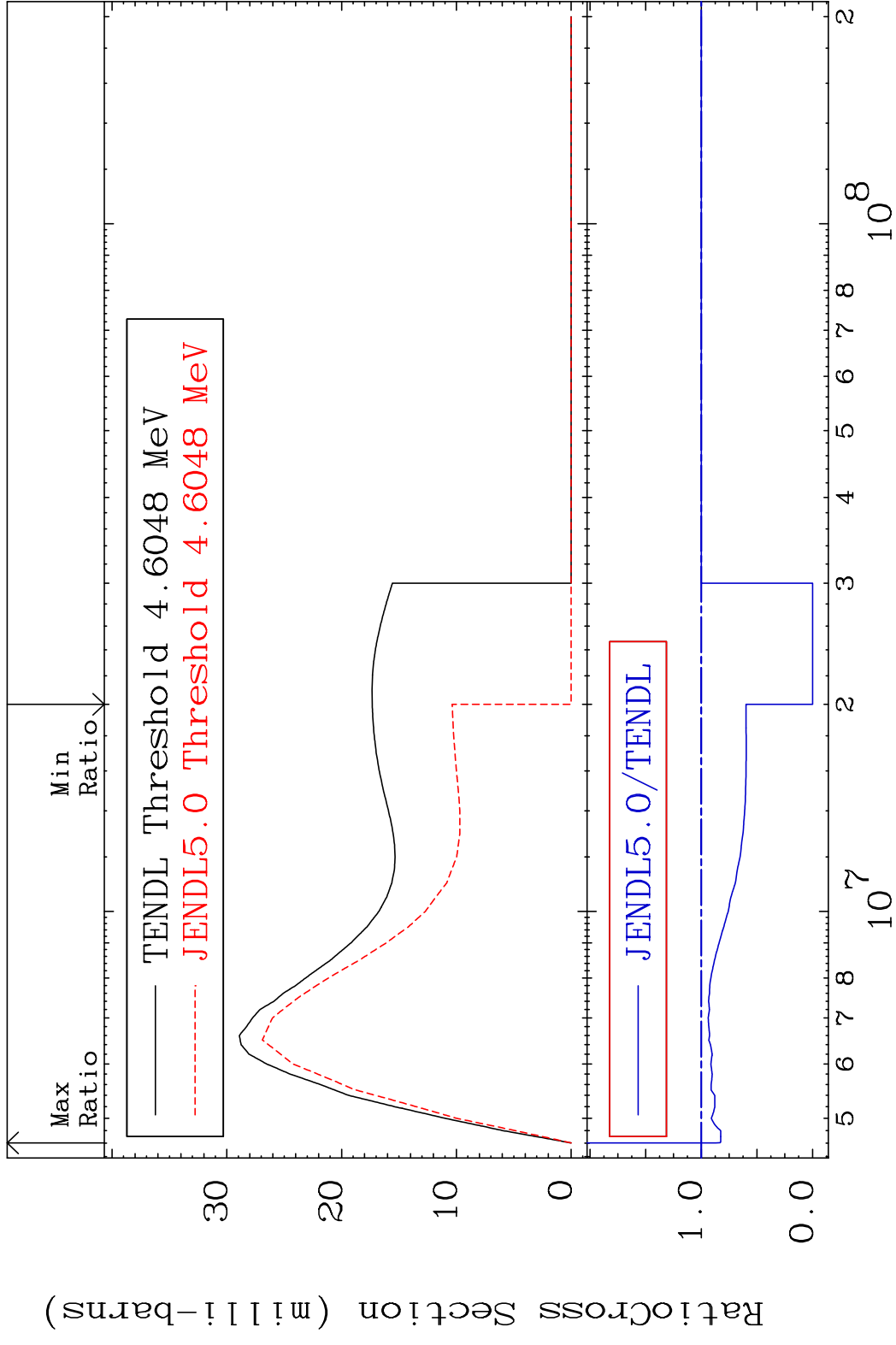


MAT 2025 MT= 53 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 90.94 %

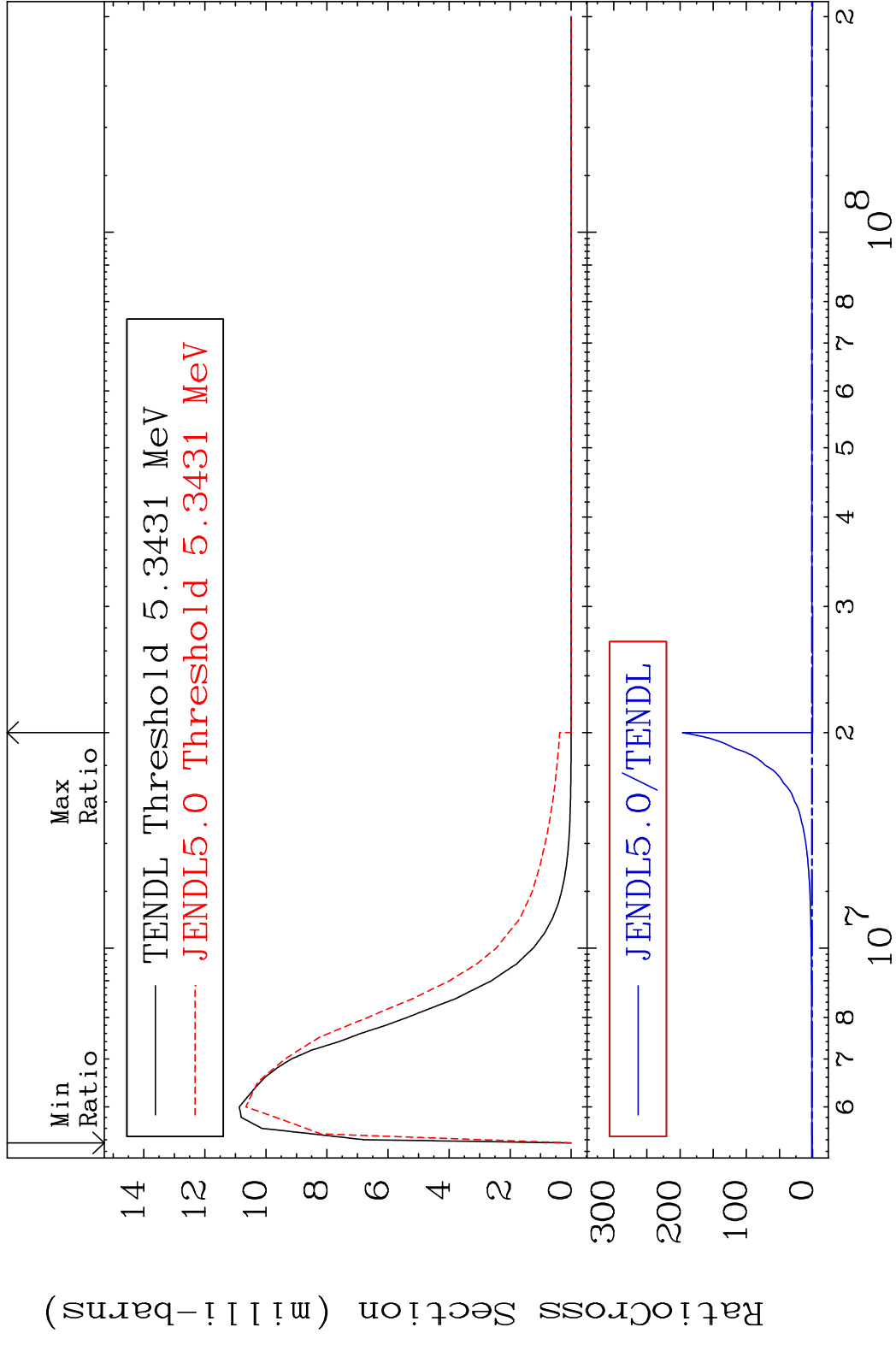


10 10<sup>7</sup> 10<sup>8</sup>

MAT 2025 MT= 54 (n, n') Level 20-Ca-40  
 Cross Section -100.0 To 16.98 %

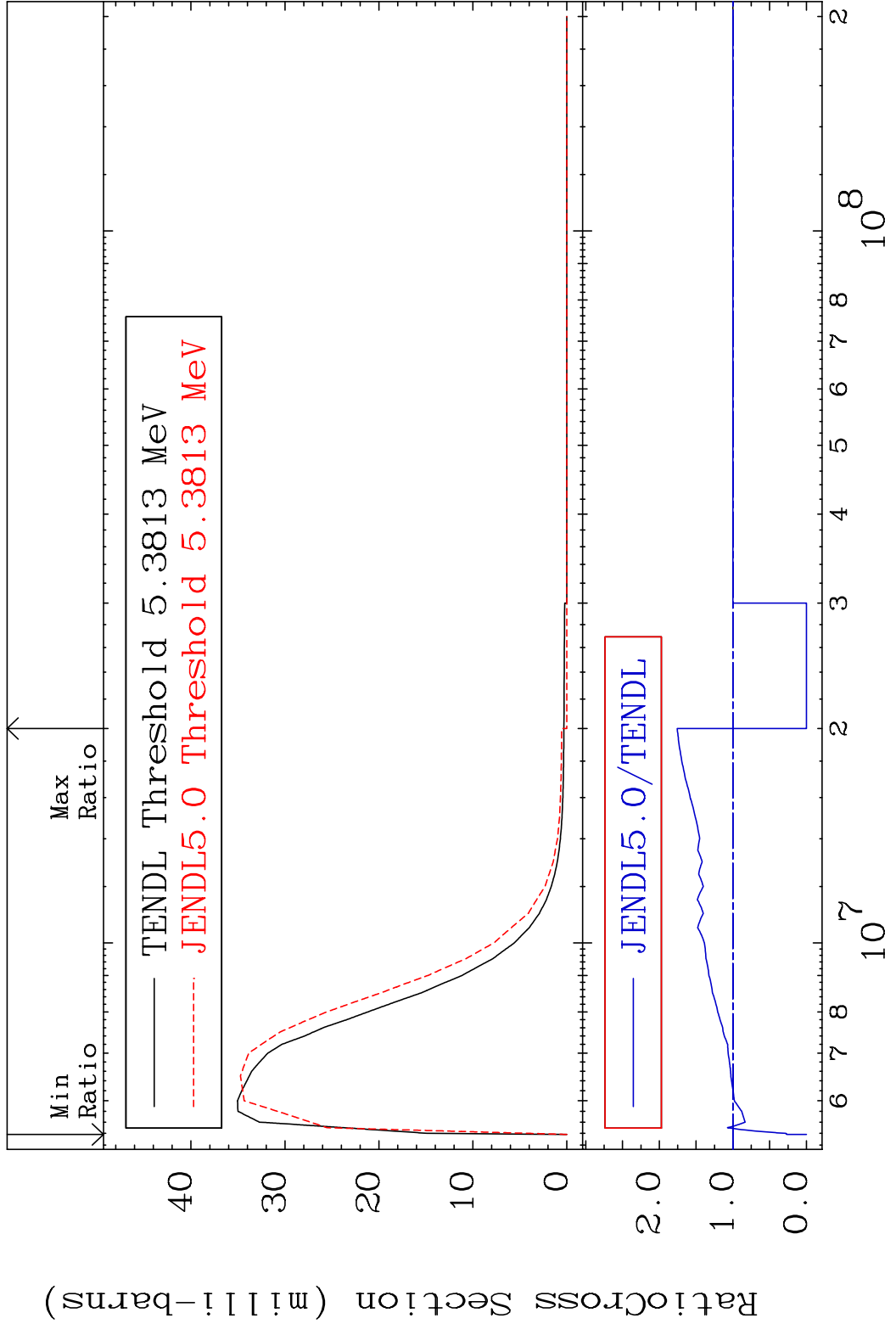


MAT 2025 MT= 55 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 9999. %

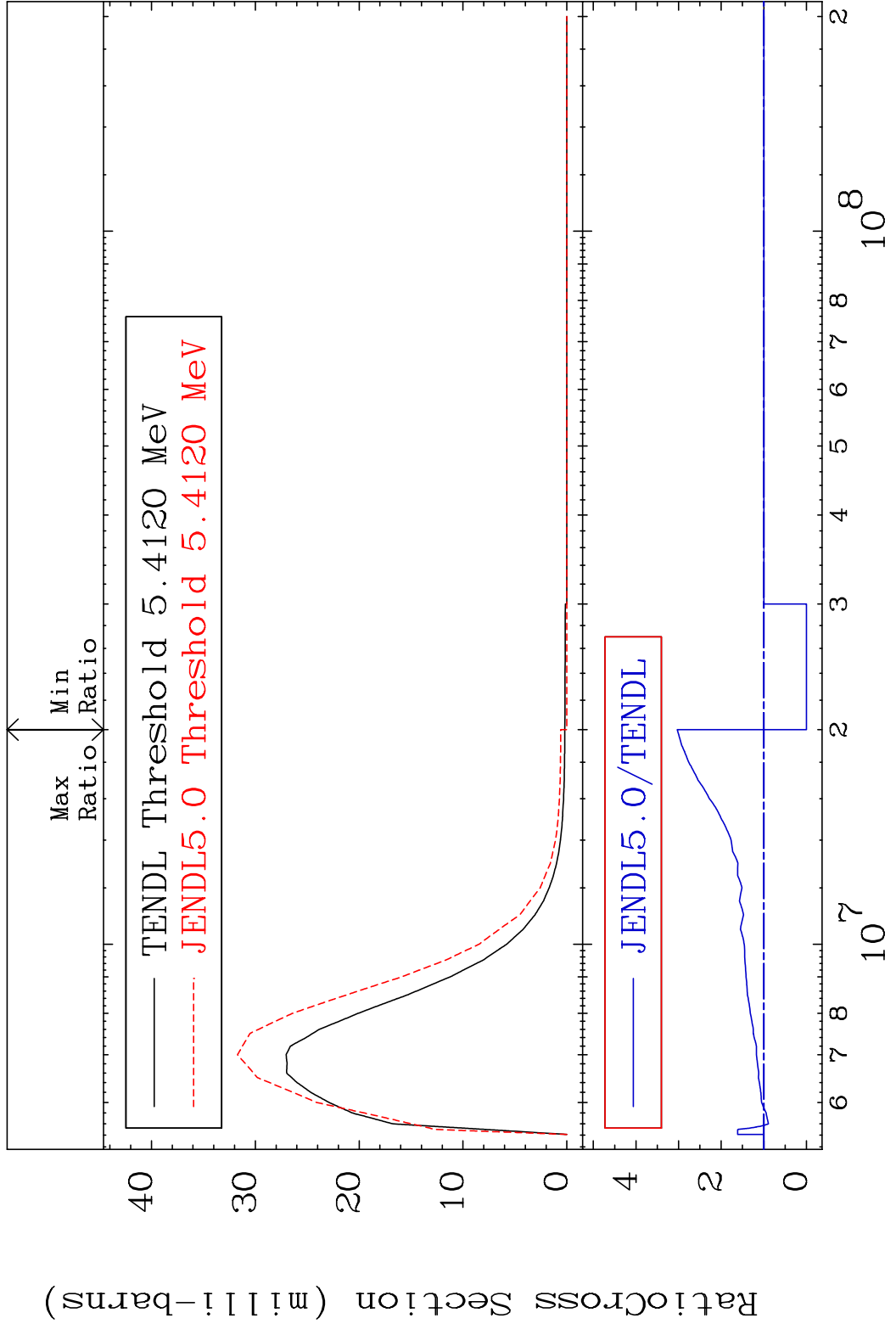


12 20-Ca-40

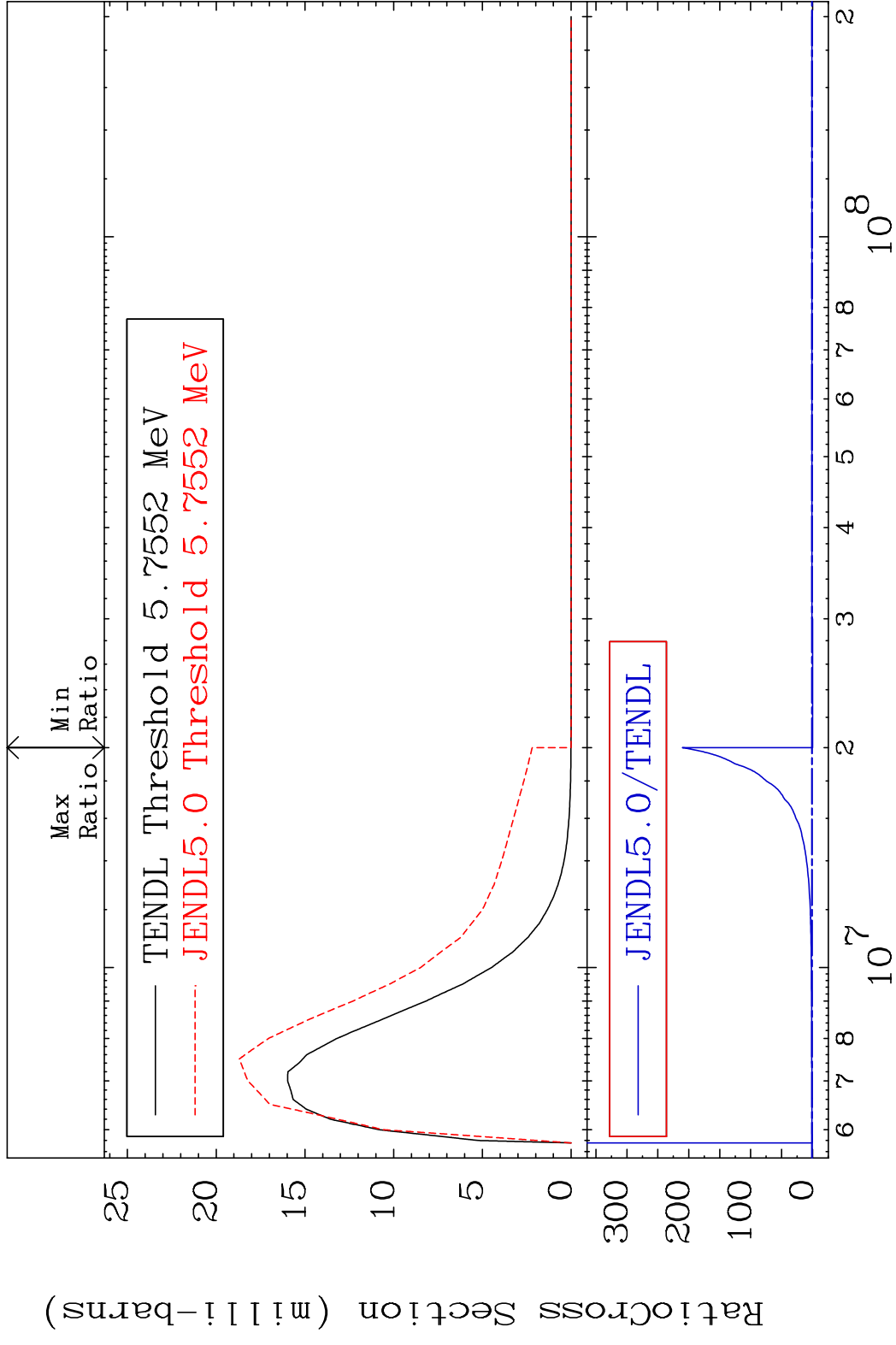
MAT 2025 MT= 56 (n, n') Level 20-Ca-40  
 Cross Section -100.0 To 75.69 %



MAT 2025 MT= 57 (n, n') Level 20-Ca-40  
 Cross Section -100.0 To 203.2 %



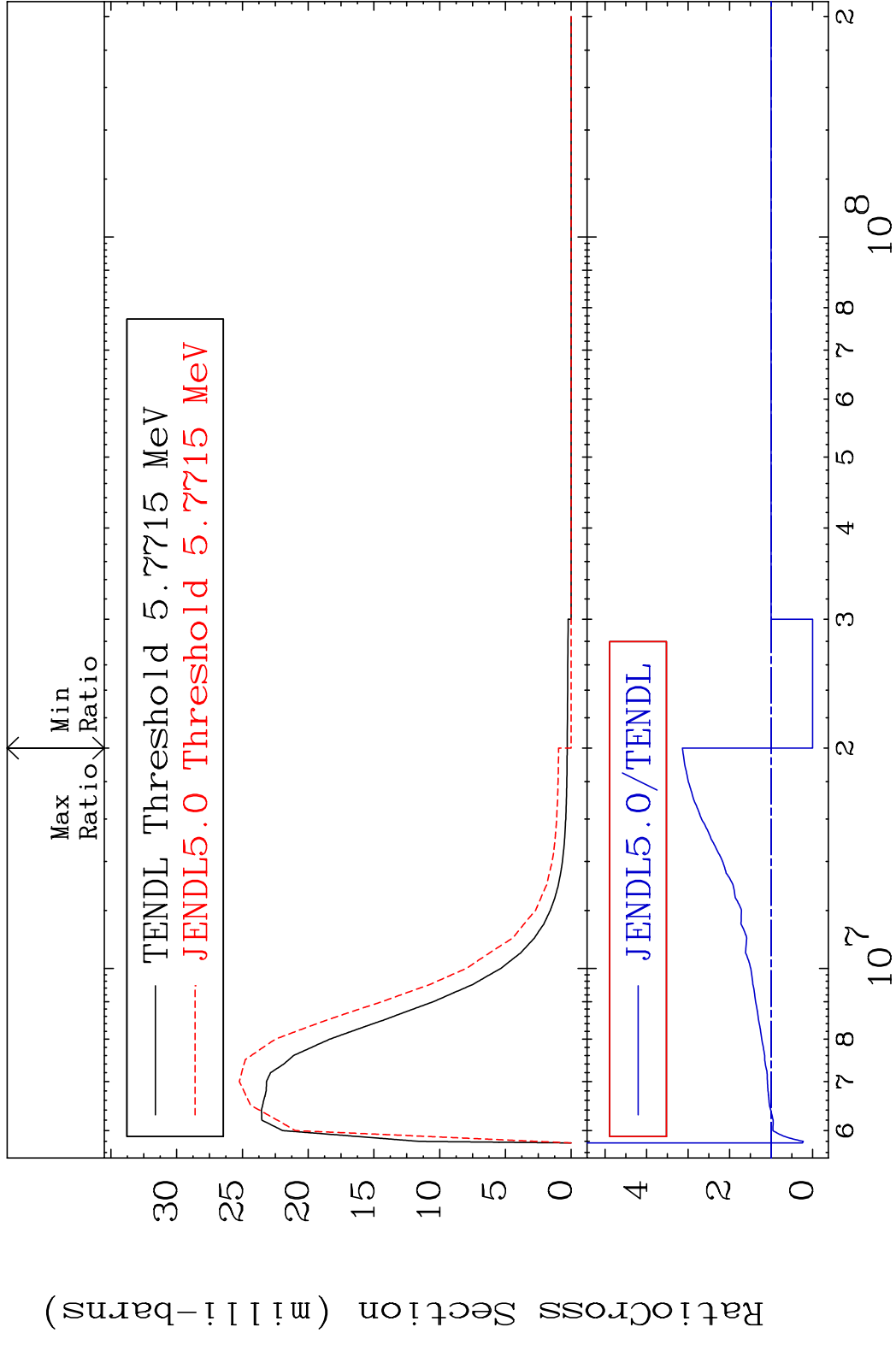
MAT 2025 MT= 58 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 9999. %



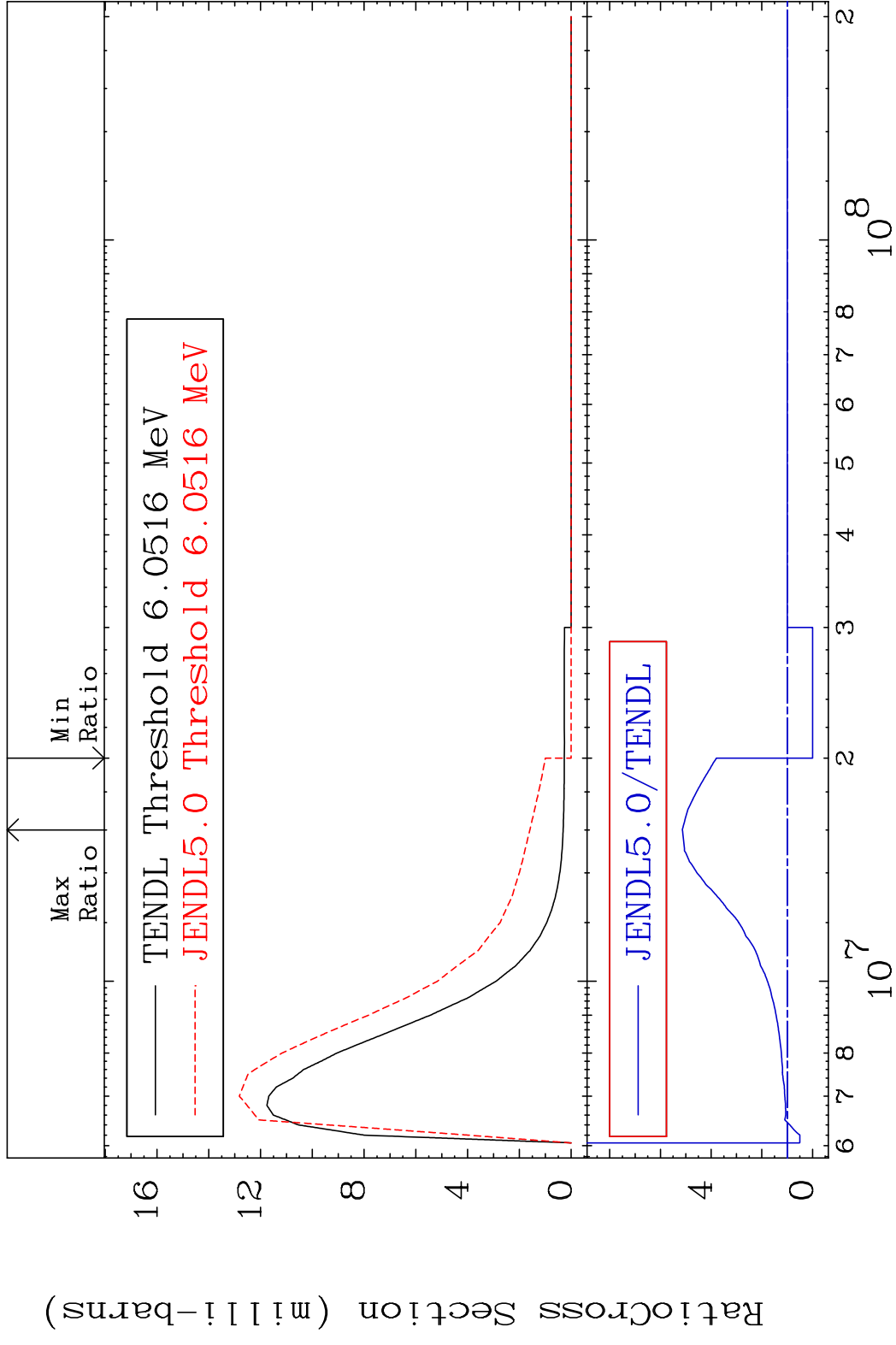
15 20-Ca-40



MAT 2025 MT= 59 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 213.8 %

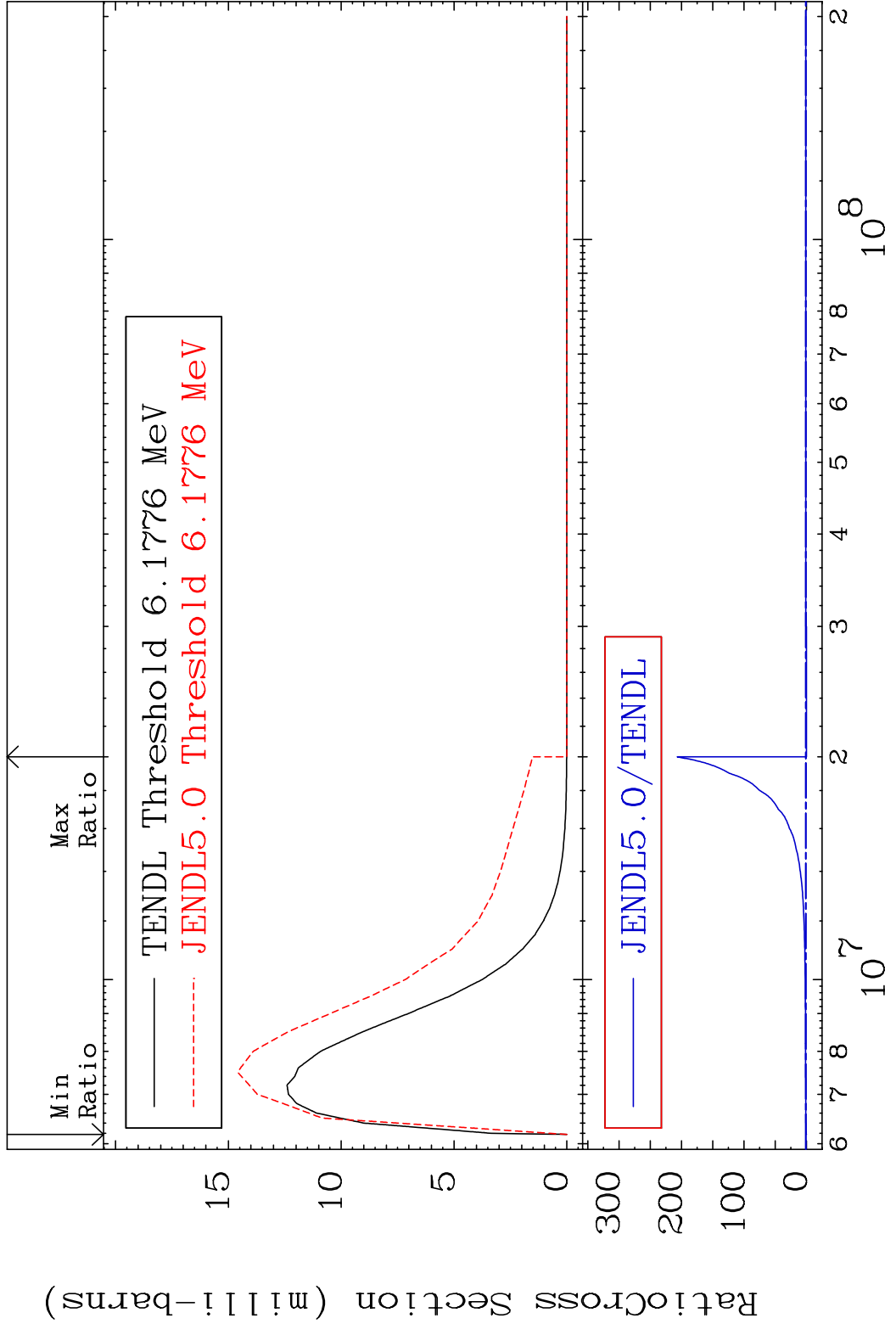


MAT 2025 MT= 60 (n, n') Level 20-Ca-40  
 Cross Section -100.0 To 413.5 %

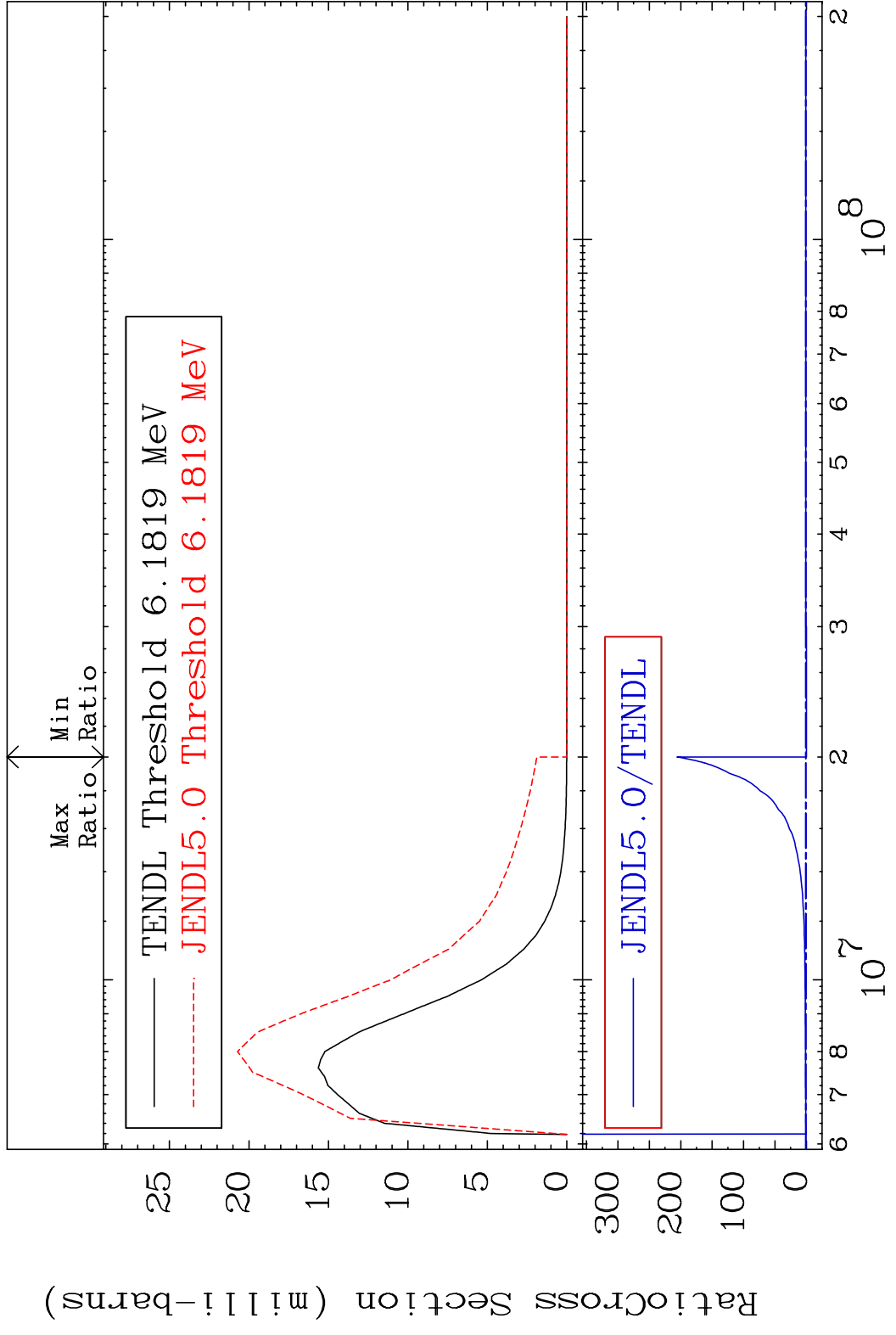


17 Incident Energy (eV) 20-Ca-40

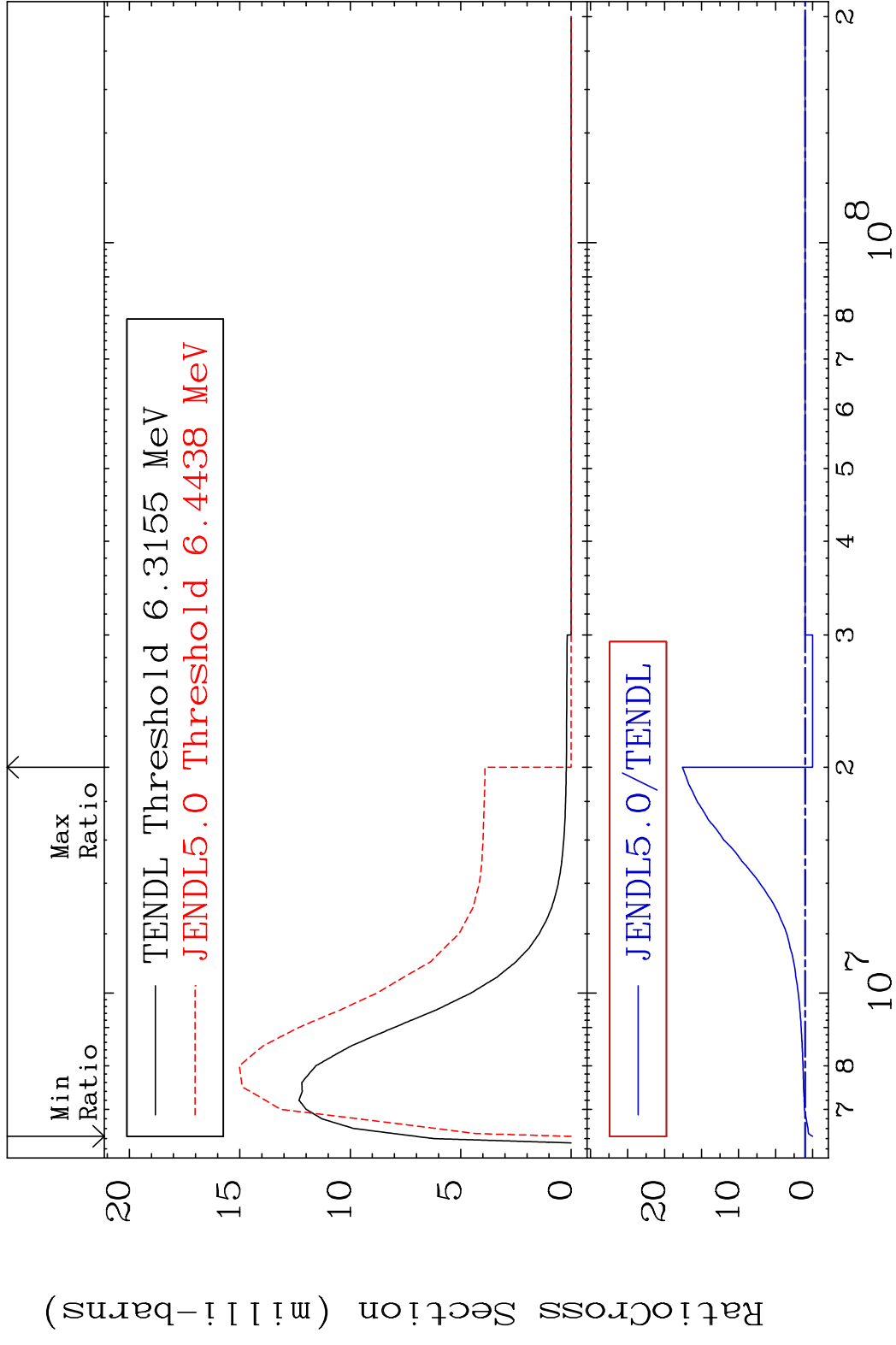
MAT 2025 MT= 61 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 9999. %



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

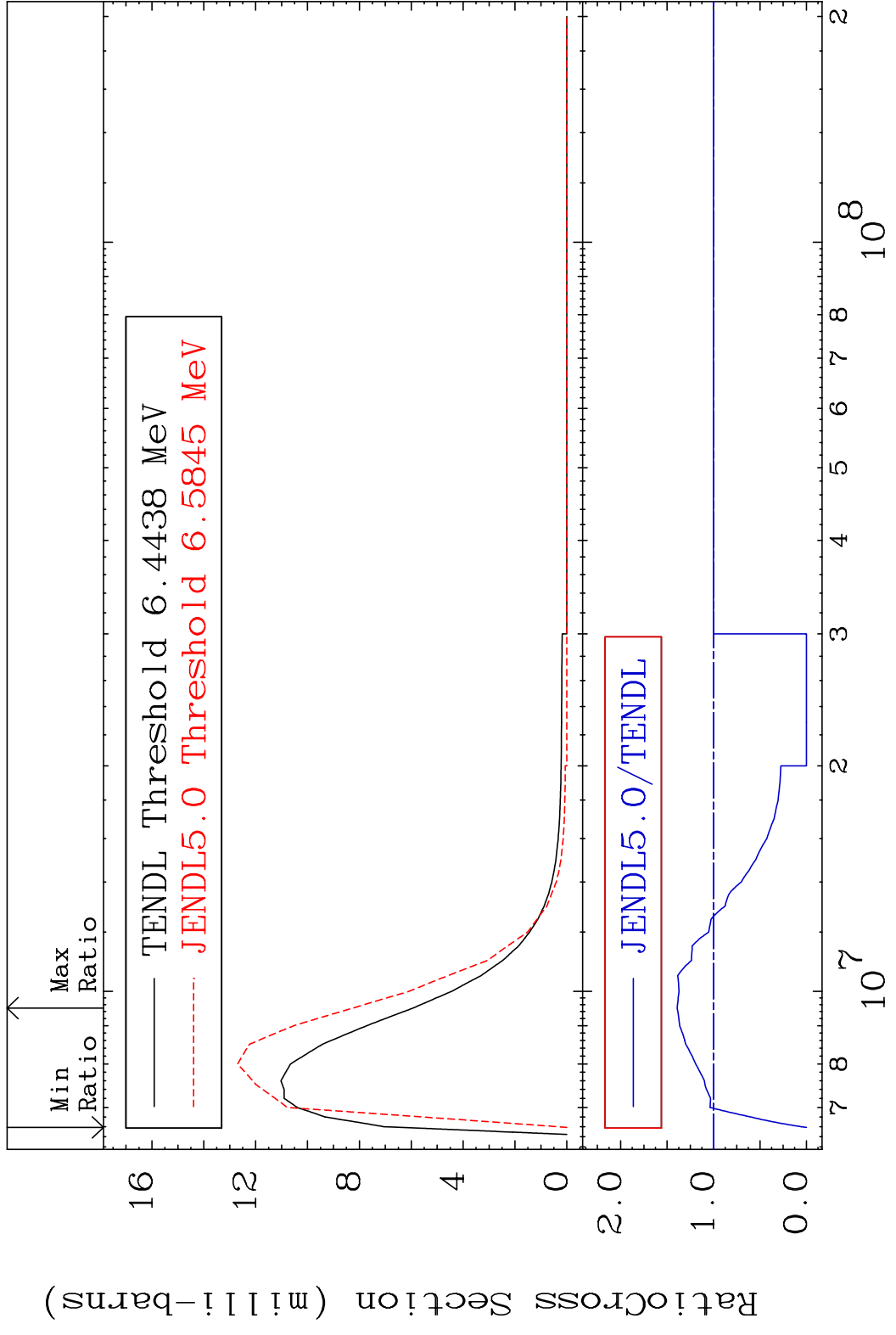


MAT 2025 MT= 63 (n, n') Level 20-Ca-40  
 Cross Section -100.0 To 1660. %

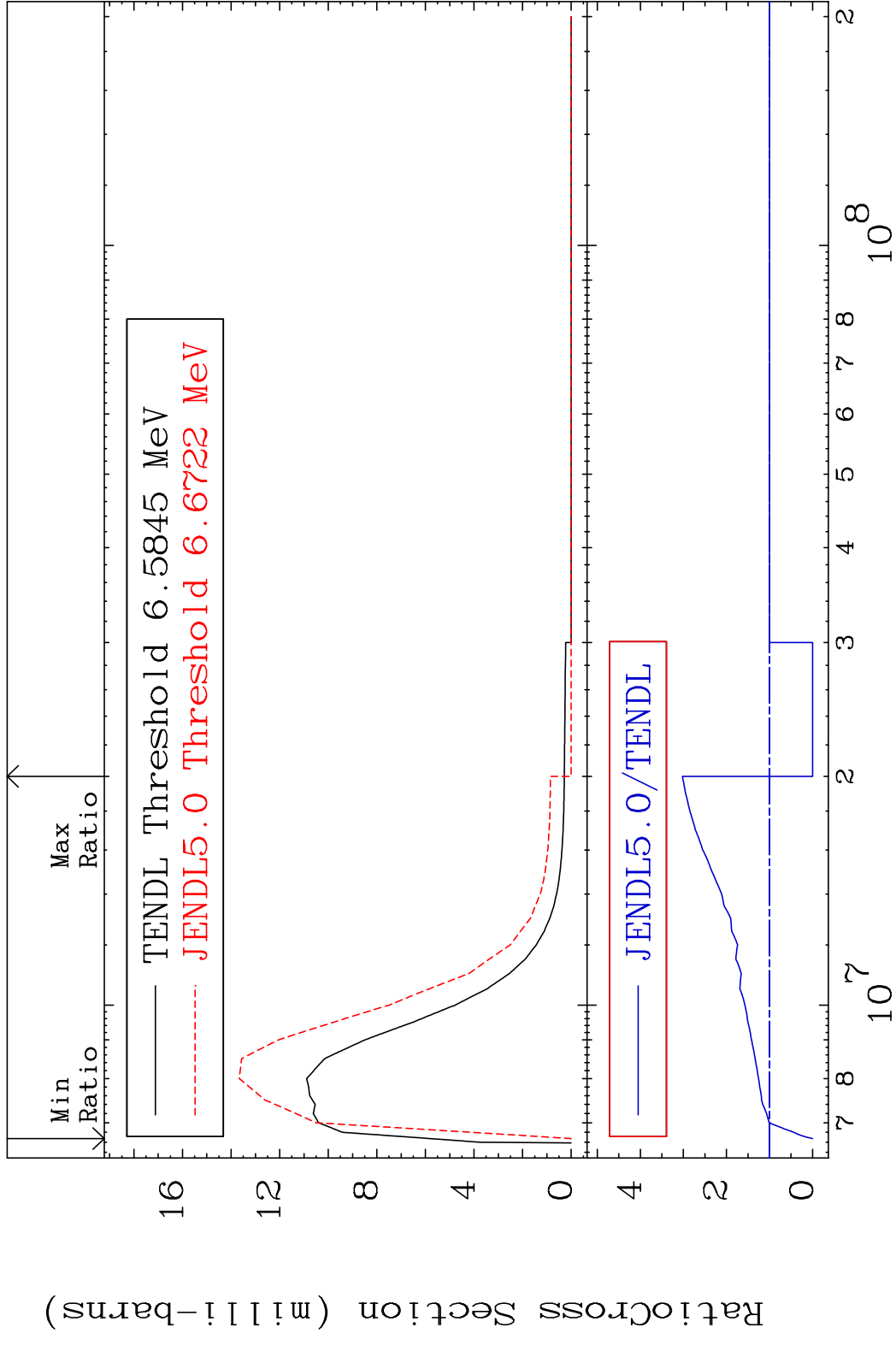


20 Incident Energy (eV) 20-Ca-40

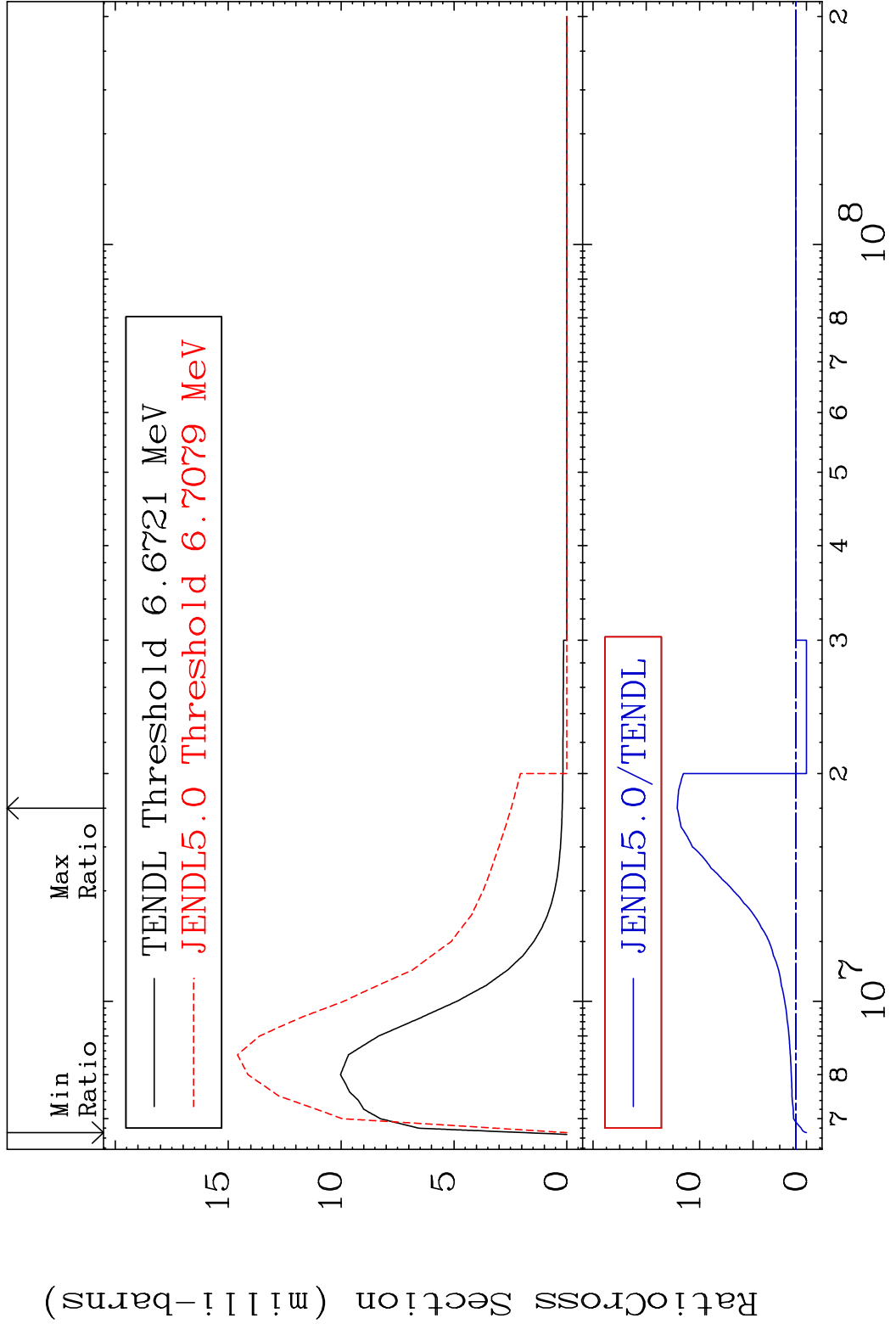
MAT 2025 MT= 64 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 39.13 %



MAT 2025 MT= 65 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 202.4 %

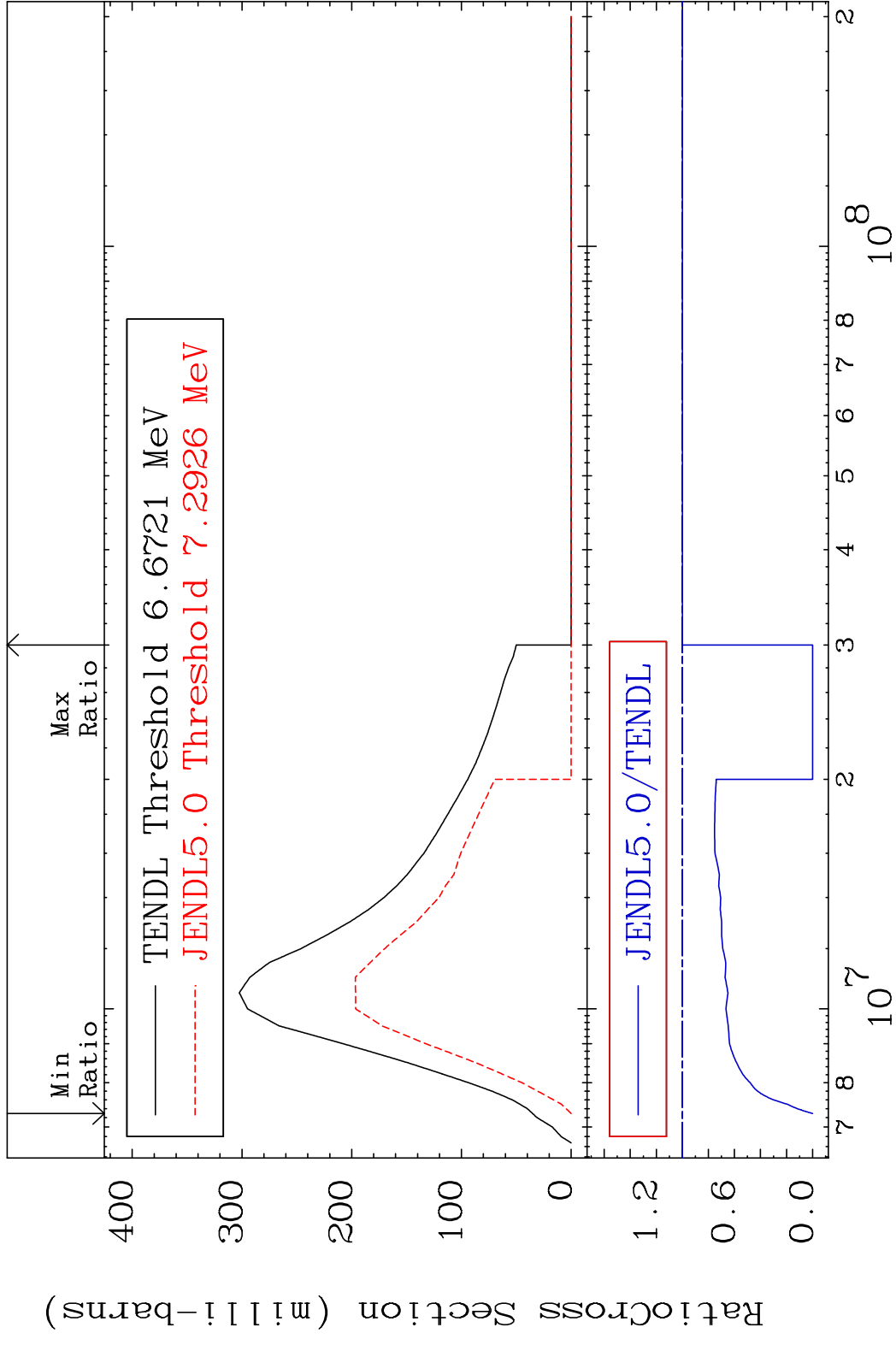


MAT 2025 MT= 66 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 1111. %





MAT 2025 (n,n') Continuum 20-Ca-40  
 Cross Section -100.0 To 0.000 %

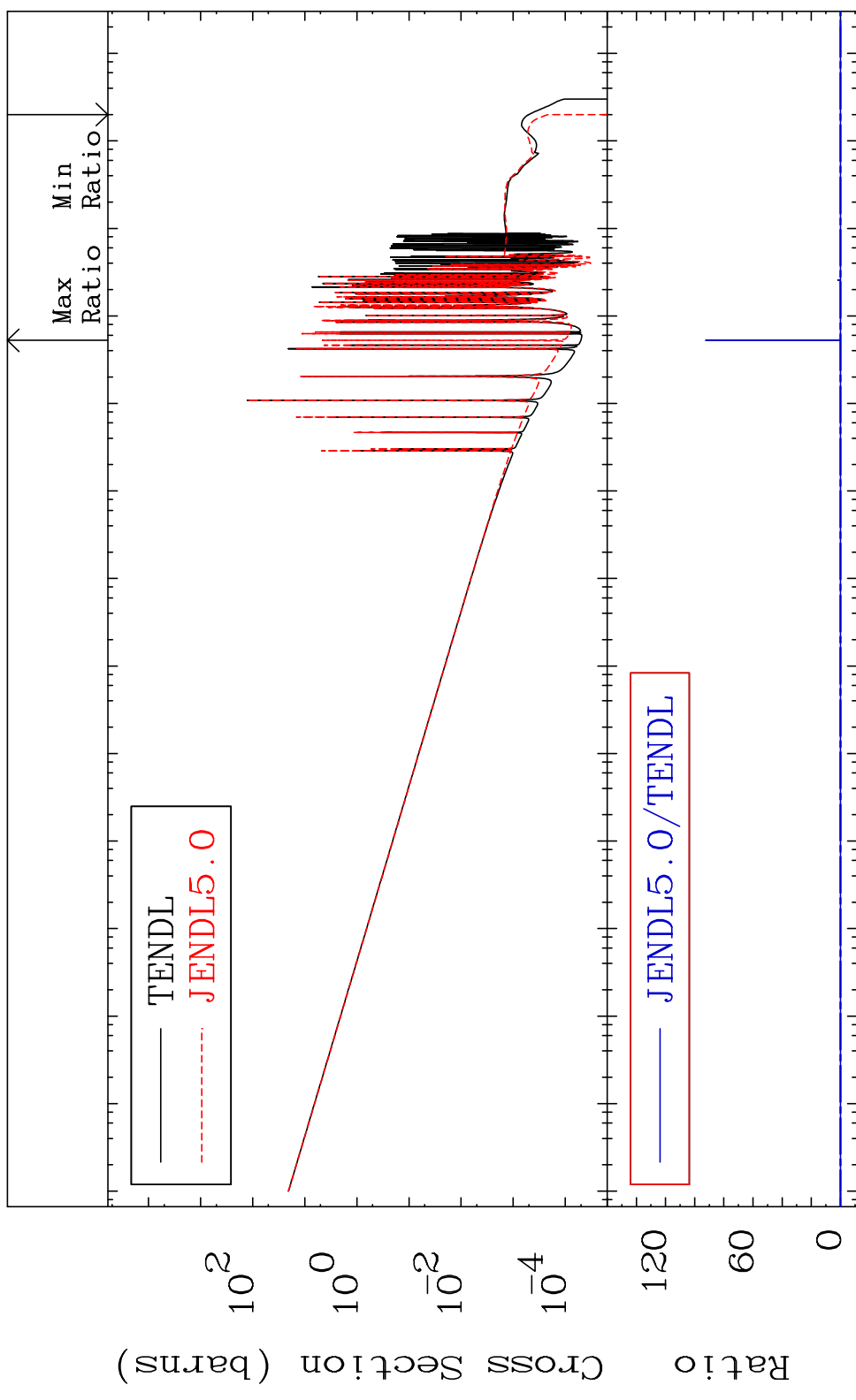


MAT 2025

(n,  $\gamma$ )

20-Ca-40

Cross Section -100.0 To 9999. %

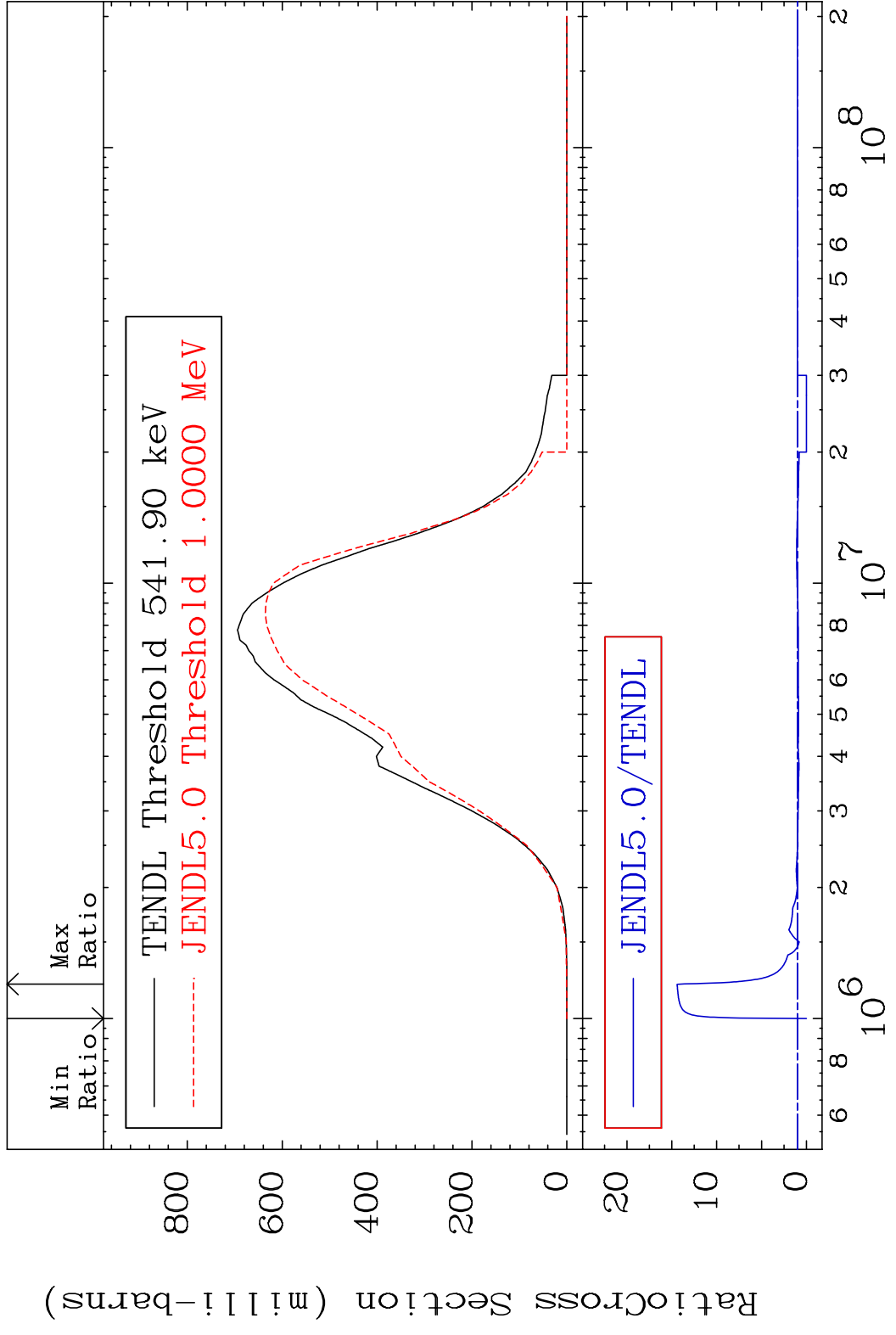


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Incident Energy (eV)

20-Ca-40

MAT 2025 (n,p) 20-Ca-40  
 Cross Section -100.0 To 1340. %

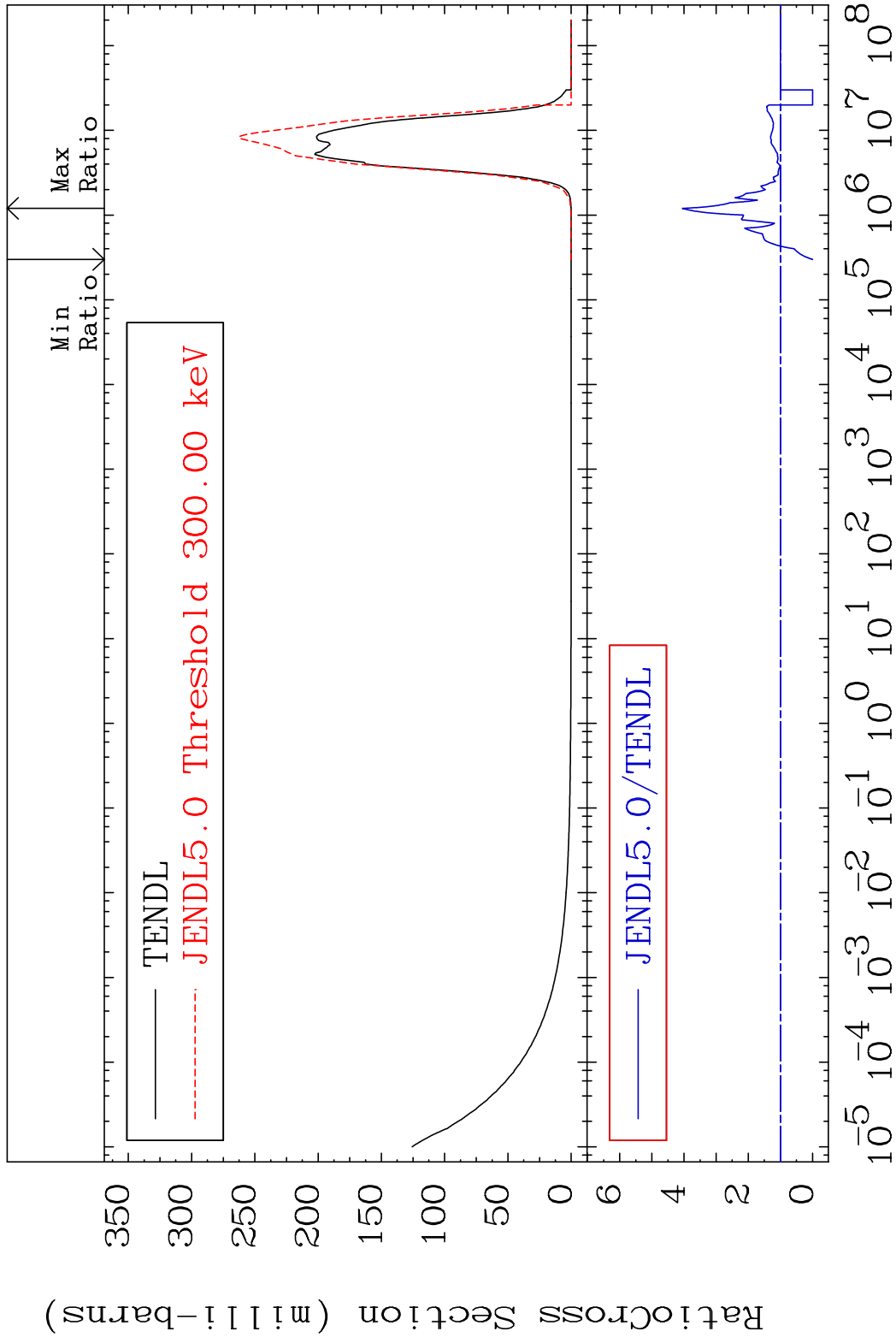


MAT 2025

(n,  $\alpha$ )

20-Ca-40

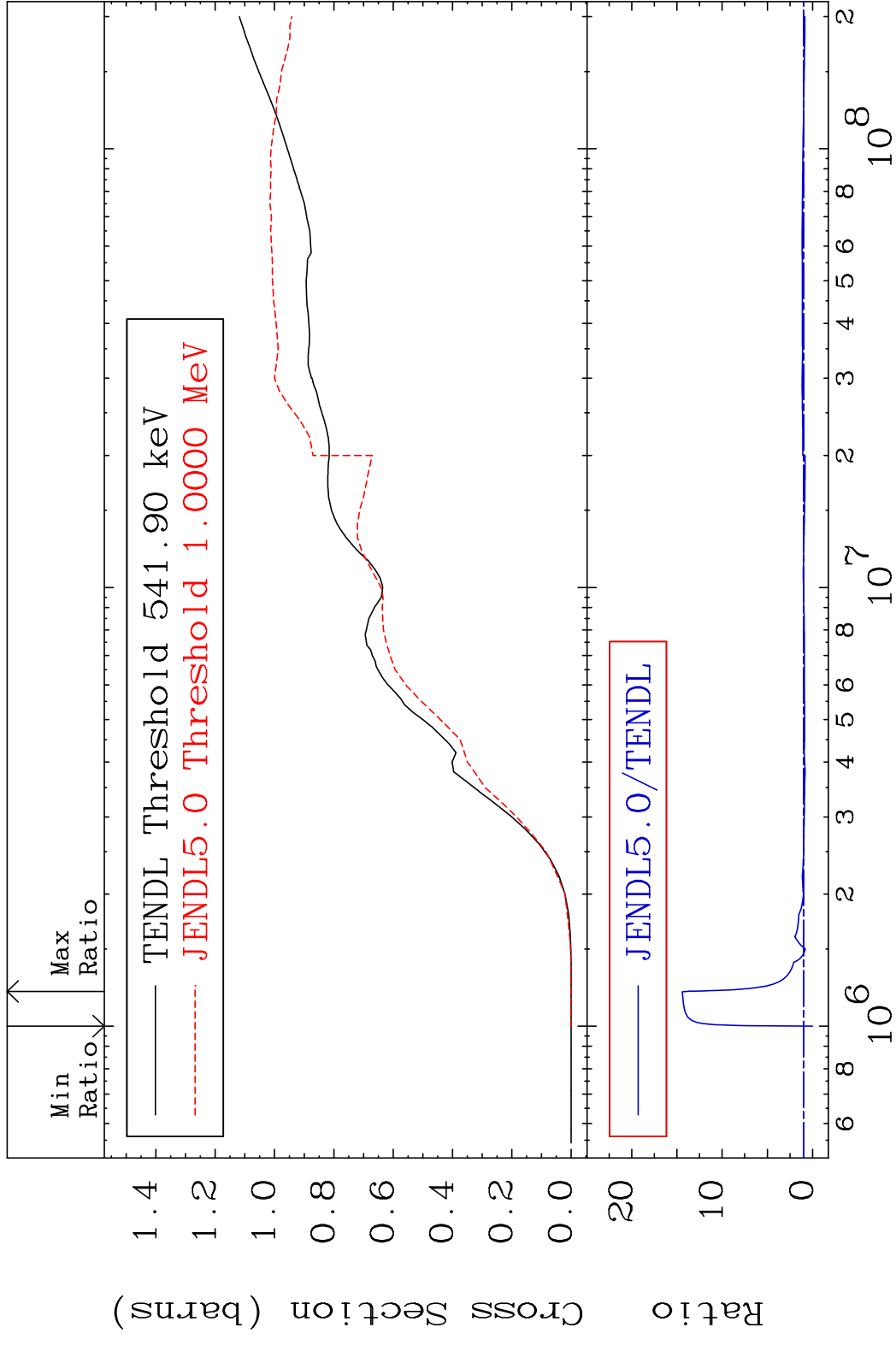
Cross Section -100.0 To 305.2 %



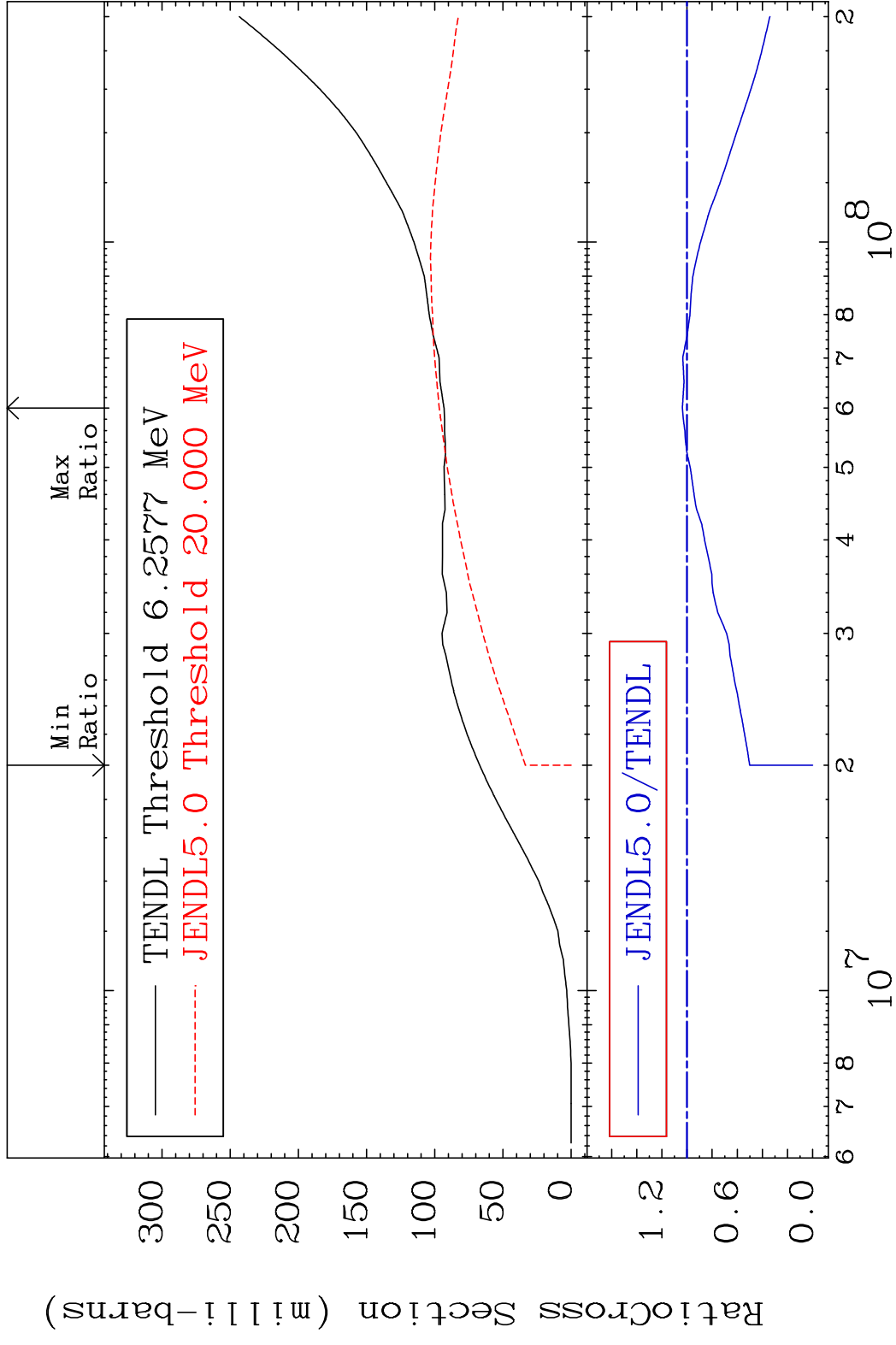
27

Incident Energy (eV)

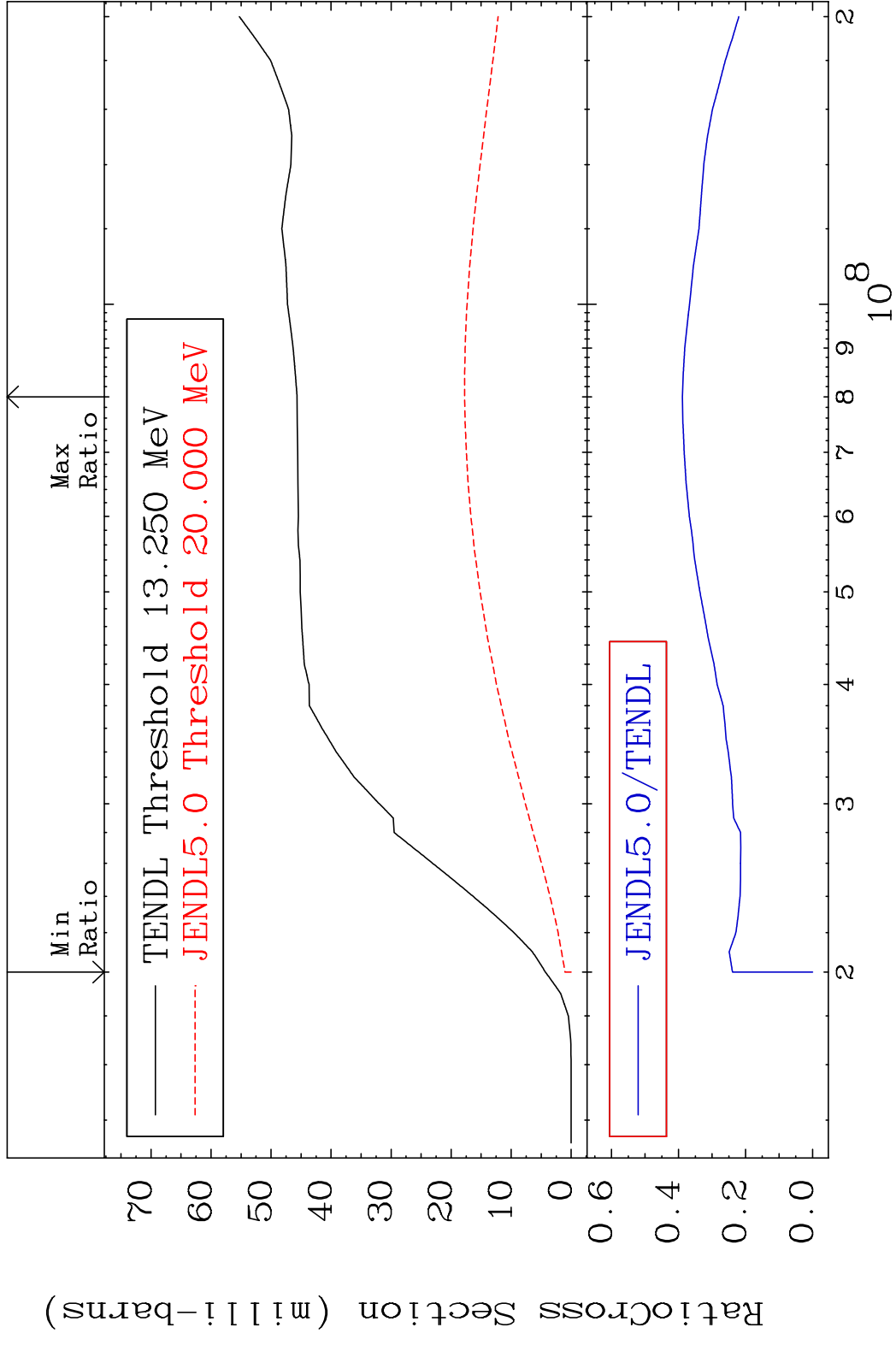
20-Ca-40



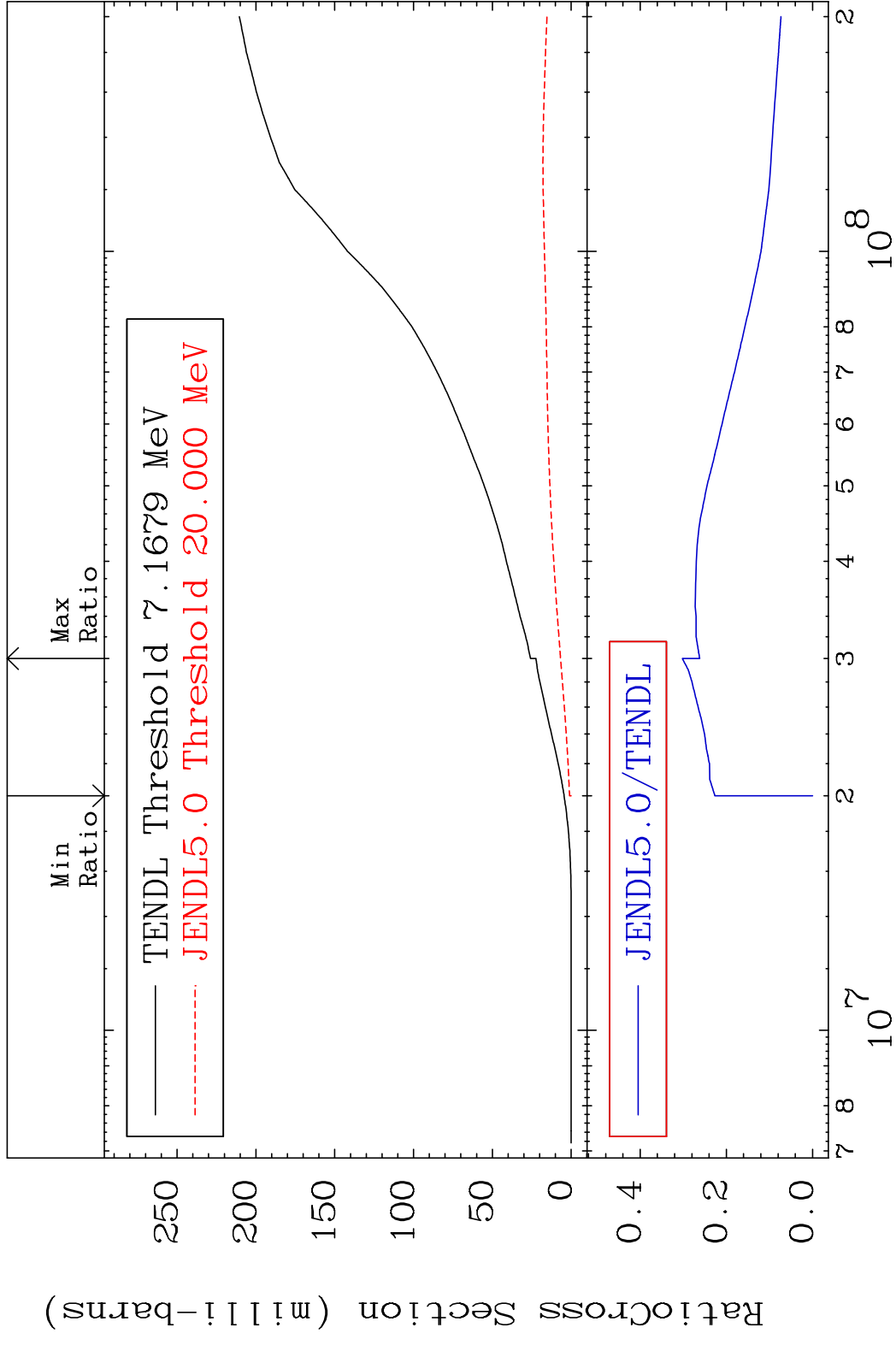
MAT 2025 Deuterium Production 20-Ca-40  
 Cross Section -100.0 To 3.740 %



MAT 2025 Tritium Production 20-Ca-40  
 Cross Section -100.0 To -61.13%



MAT 2025 He-3 Production 20-Ca-40  
 Cross Section -100.0 To -69.79%



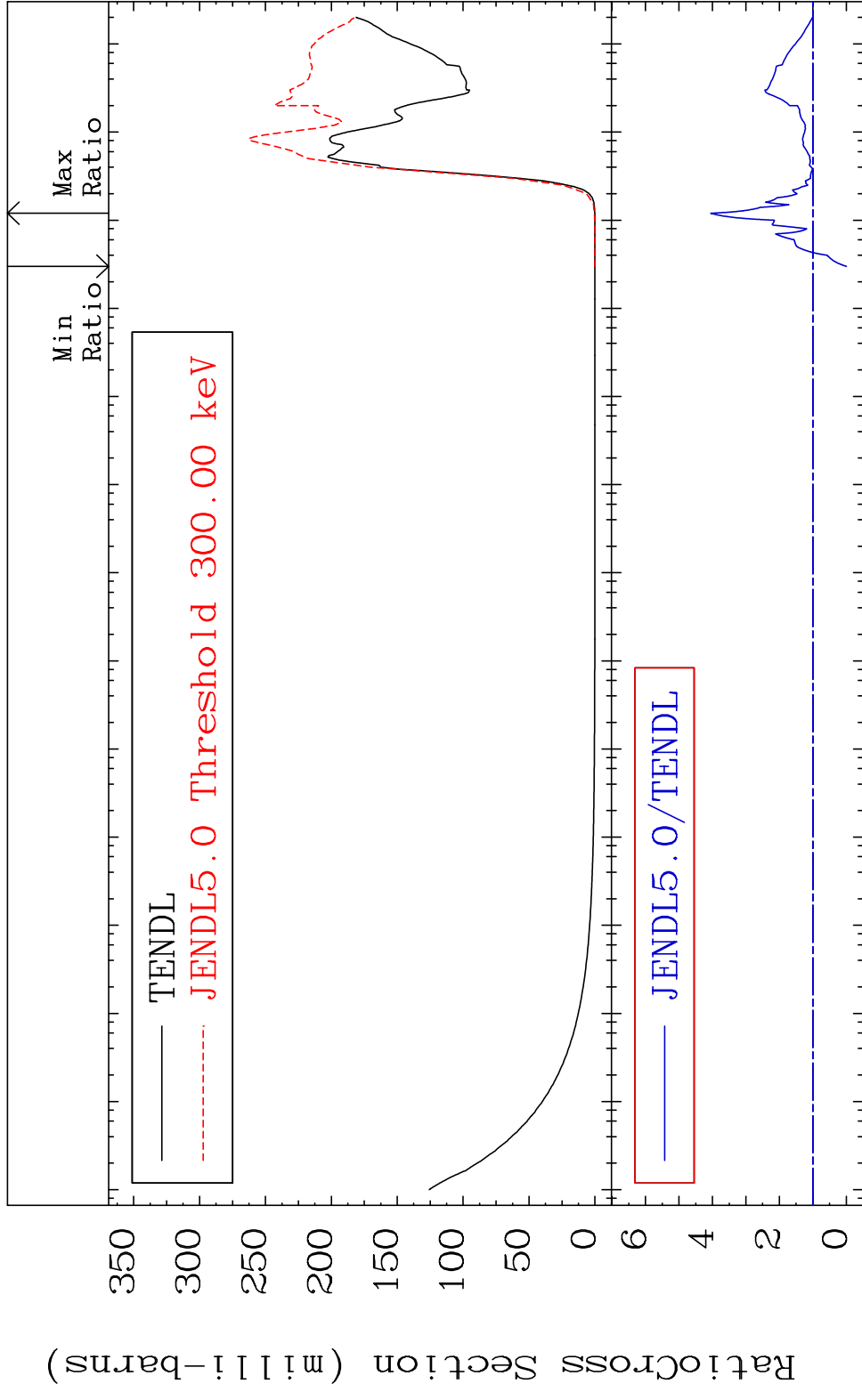


MAT 2025

He-4 Production

20-Ca-40

Cross Section -100.0 To 305.2 %

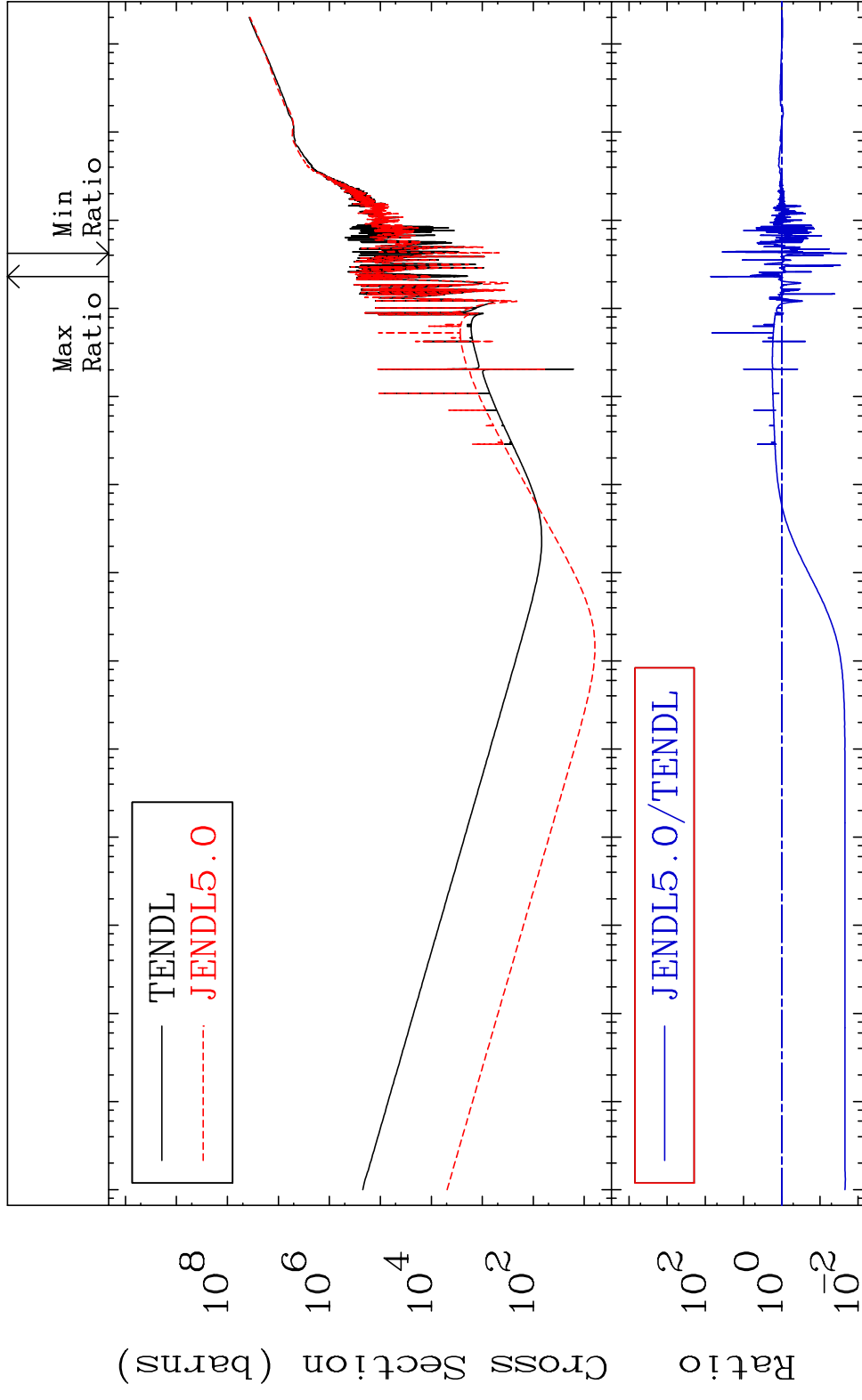


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Incident Energy (eV)

20-Ca-40

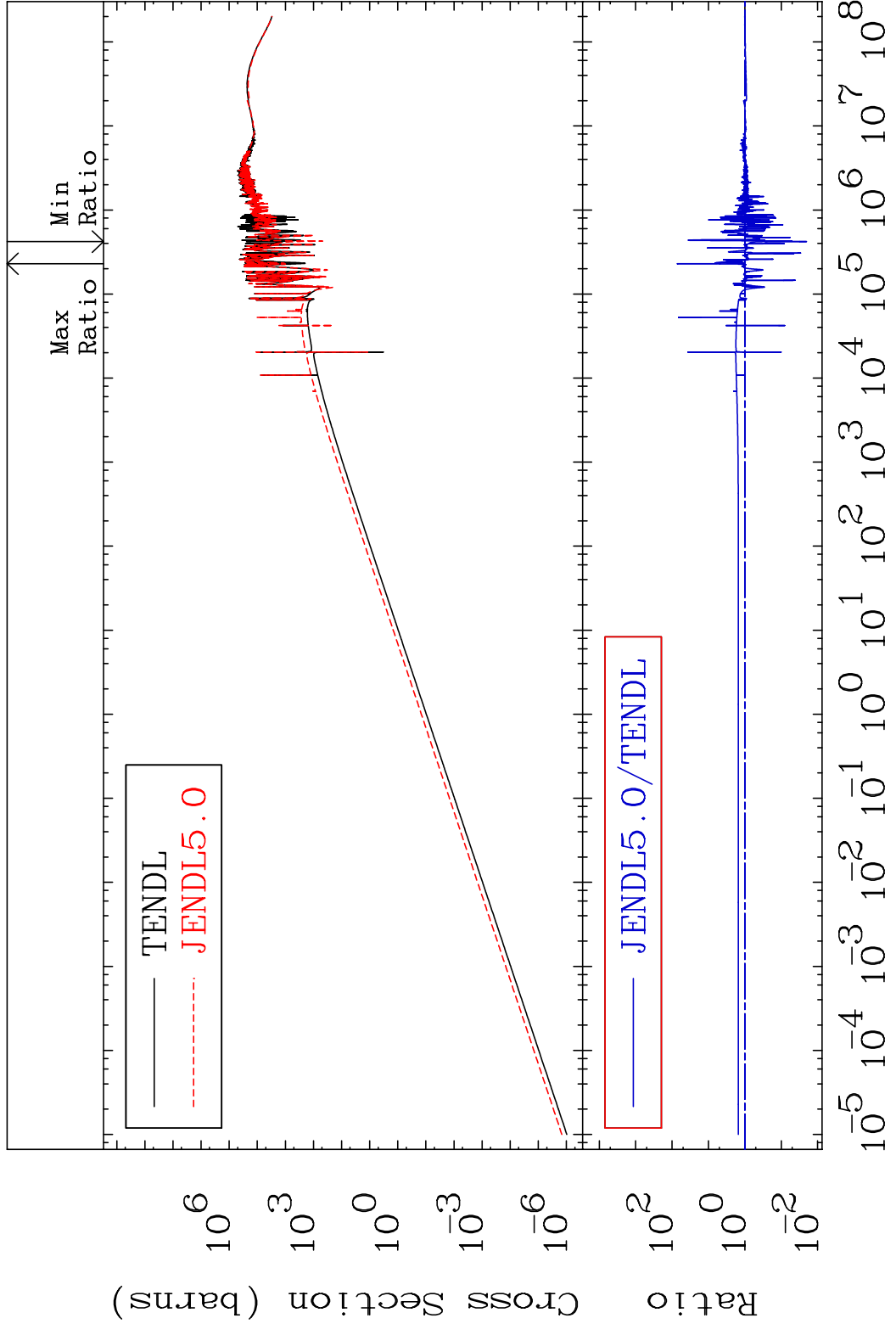
MAT 2025 Kerma total (eV-barns) 20-Ca-40  
 Cross Section -97.96 To 7131. %



MAT 2025

Kerma elastic  
Cross Section

20-Ca-40  
-97.96 To 7134. %

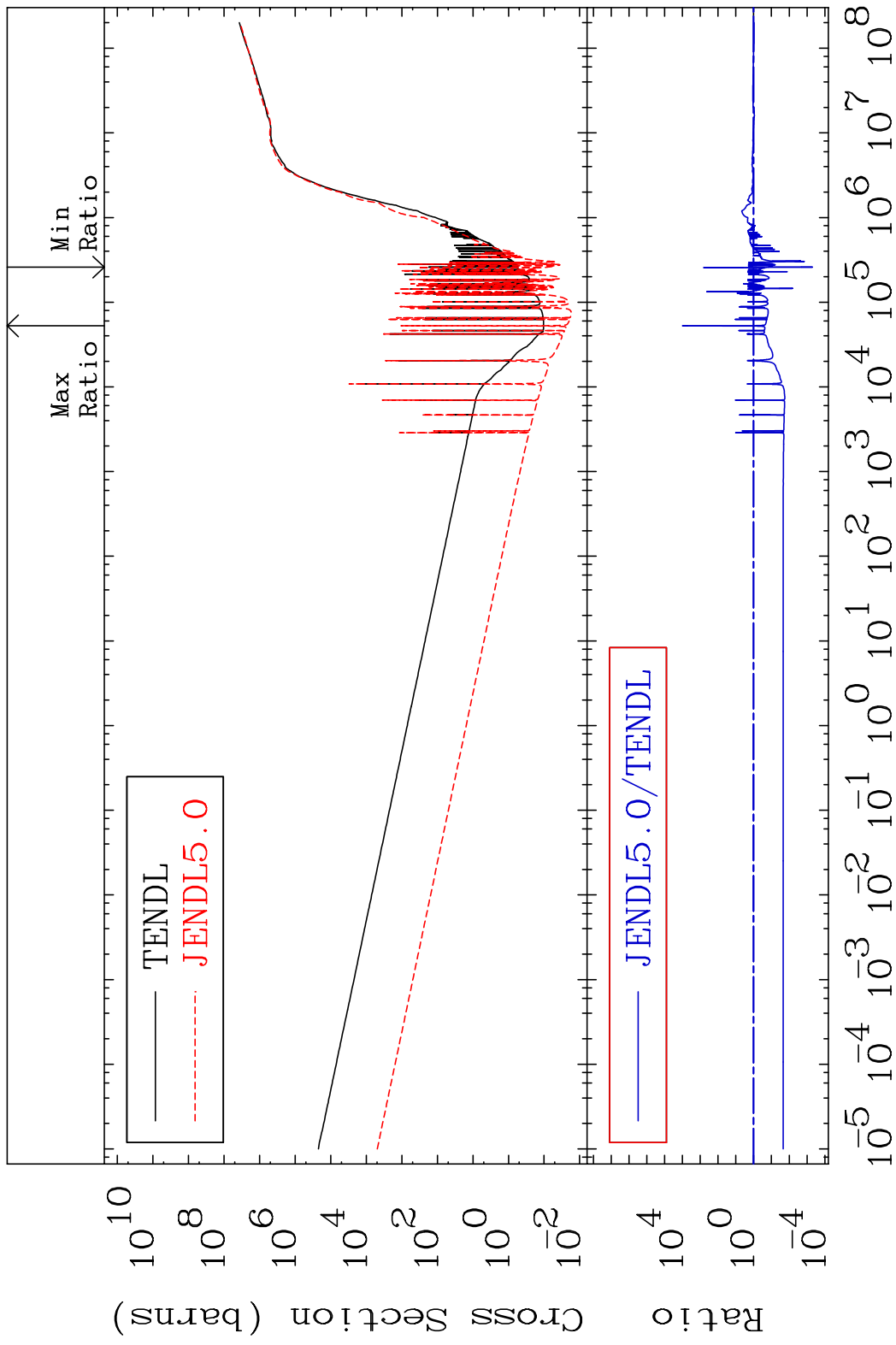


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Incident Energy (eV)

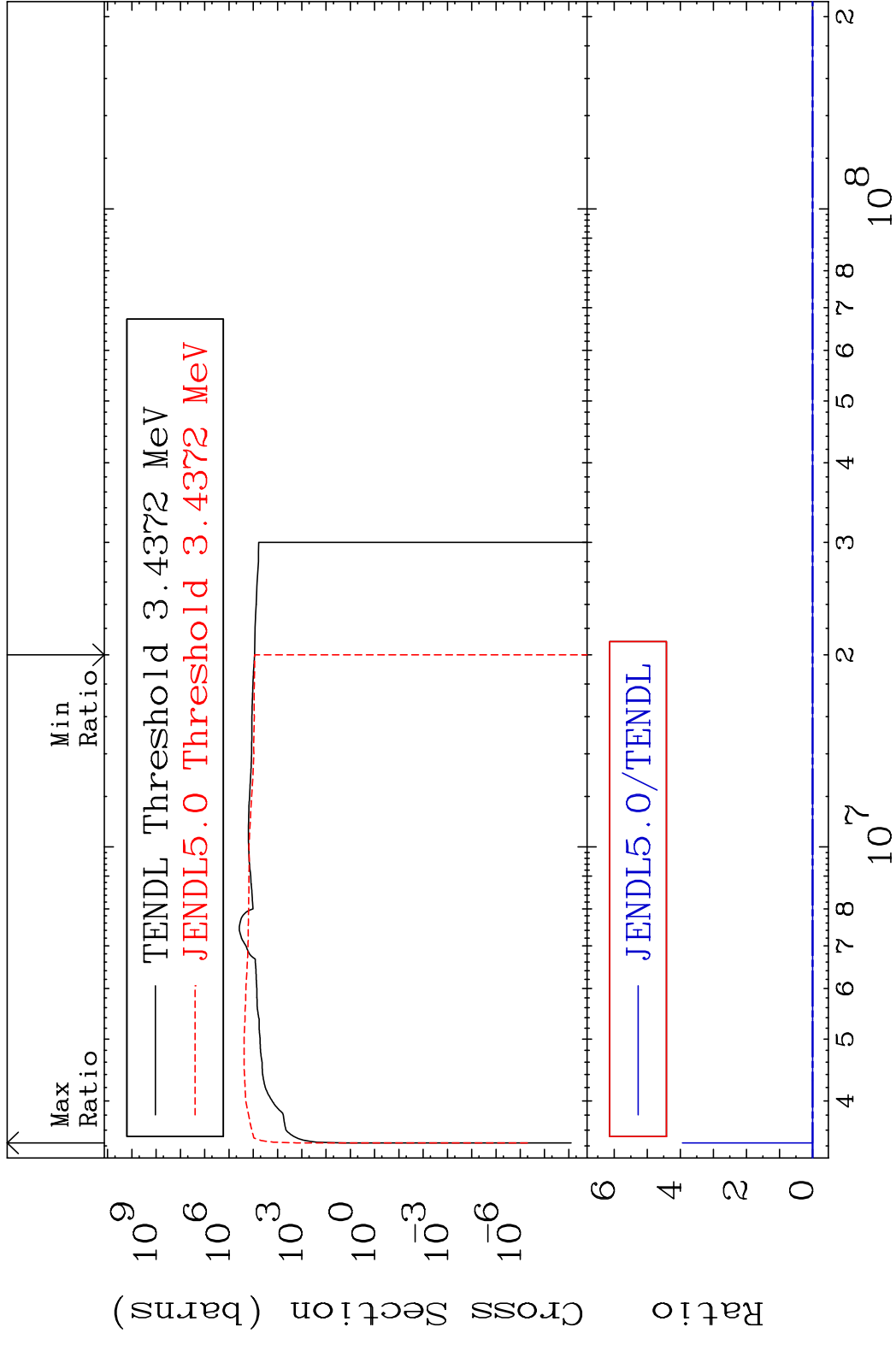
20-Ca-40

MAT 2025 Kerma non-elastic (all but mt2) 20-Ca-40  
 Cross Section -99.95 To 9999. %

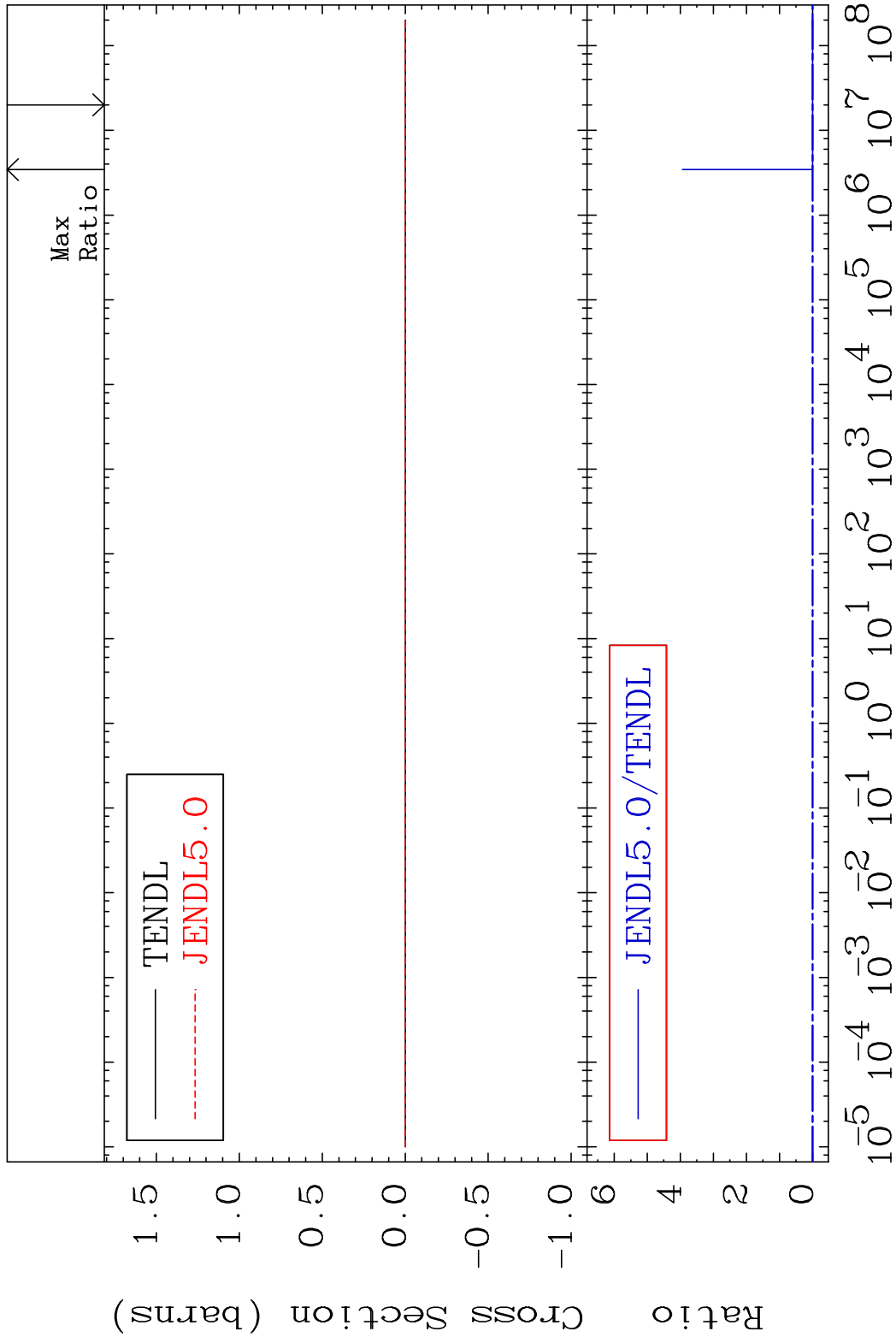


35 Incident Energy (eV) 20-Ca-40

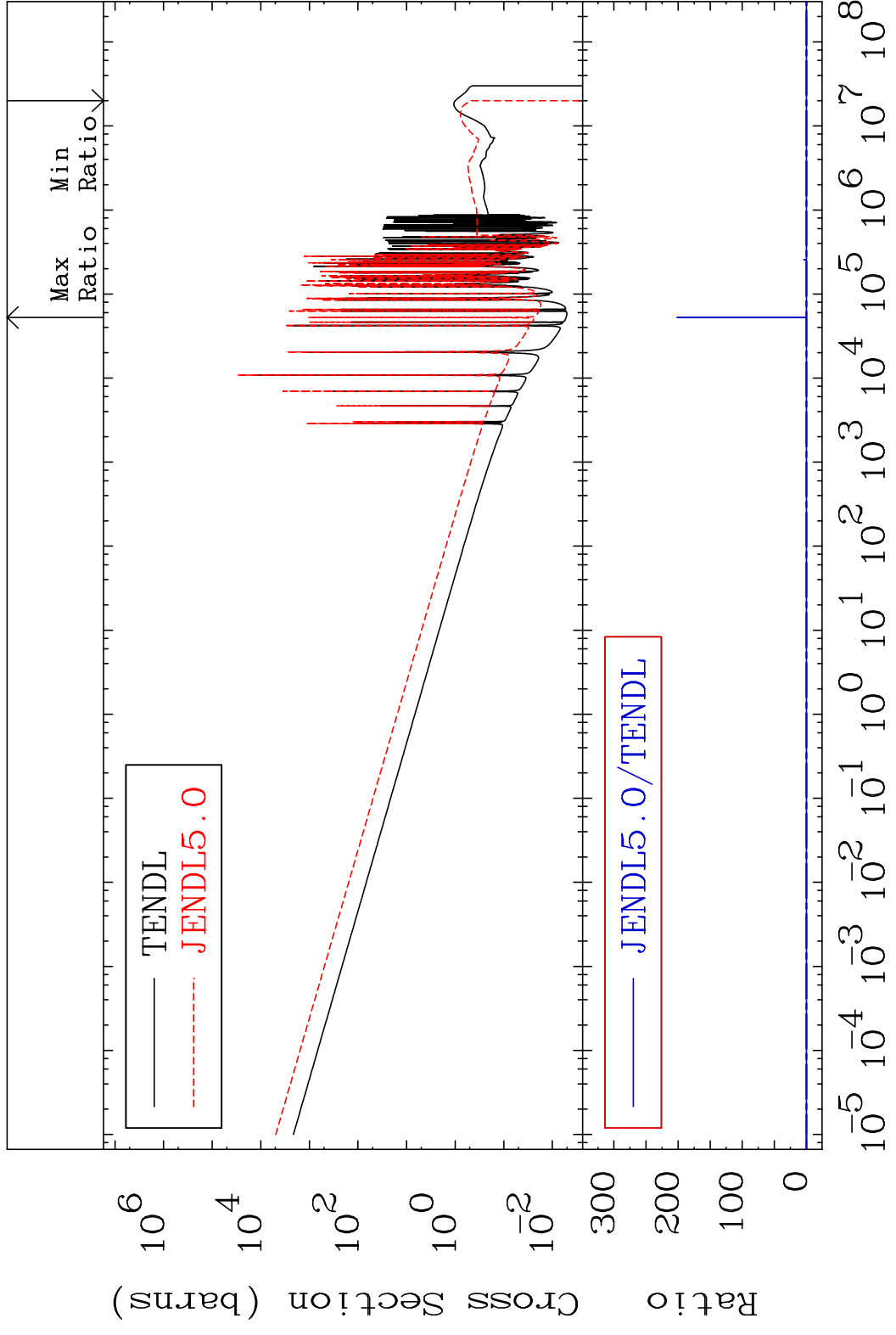
MAT 2025 Kerma inelastic (mt51-91) 20-Ca-40  
 Cross Section -100.0 To 9999. %



MAT 2025 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-40  
 Cross Section -100.0 To 9999. %

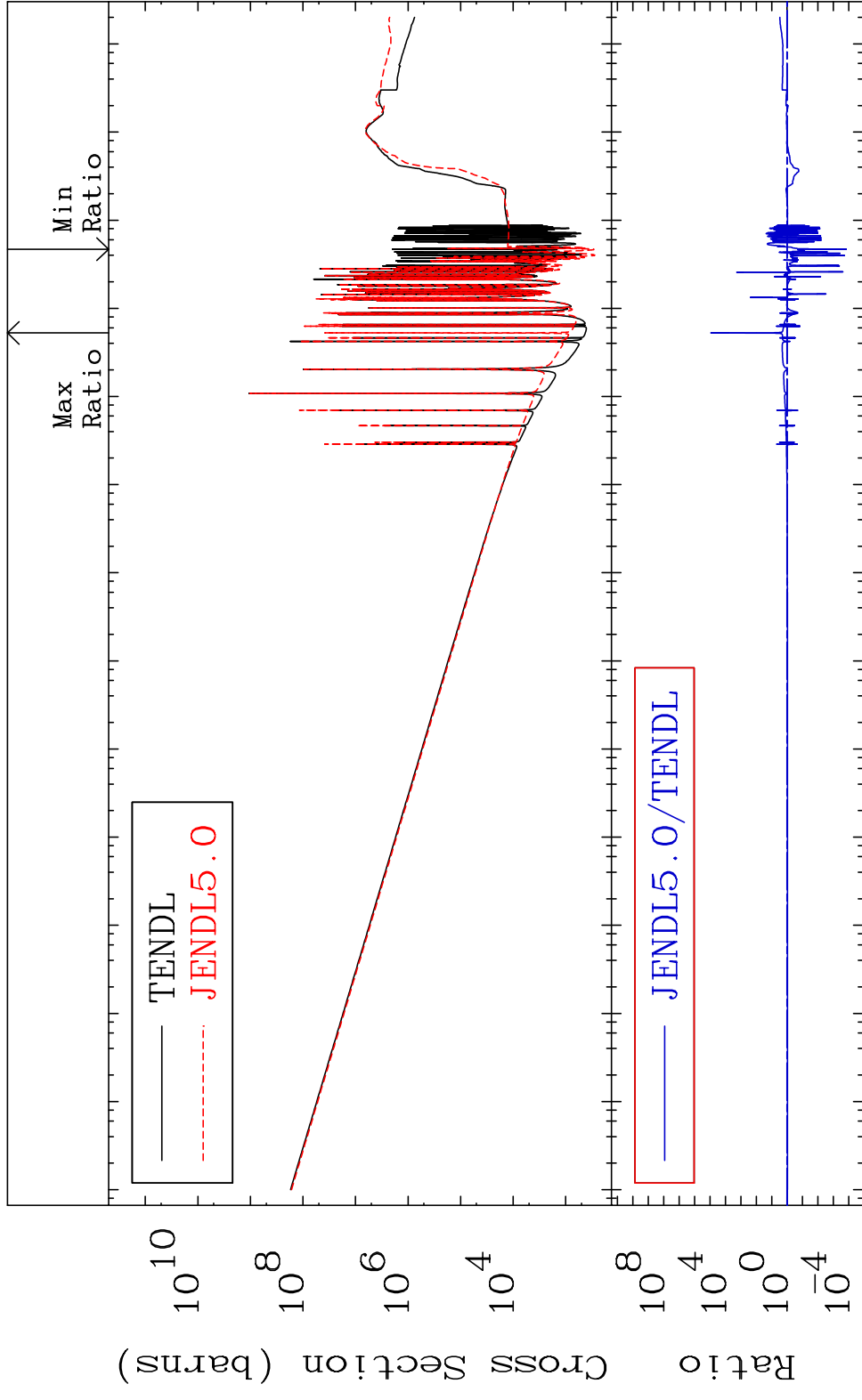


MAT 2025 Kerma capture (mt102) 20-Ca-40  
 Cross Section -100.0 To 9999. %



38 Incident Energy (eV) 20-Ca-40

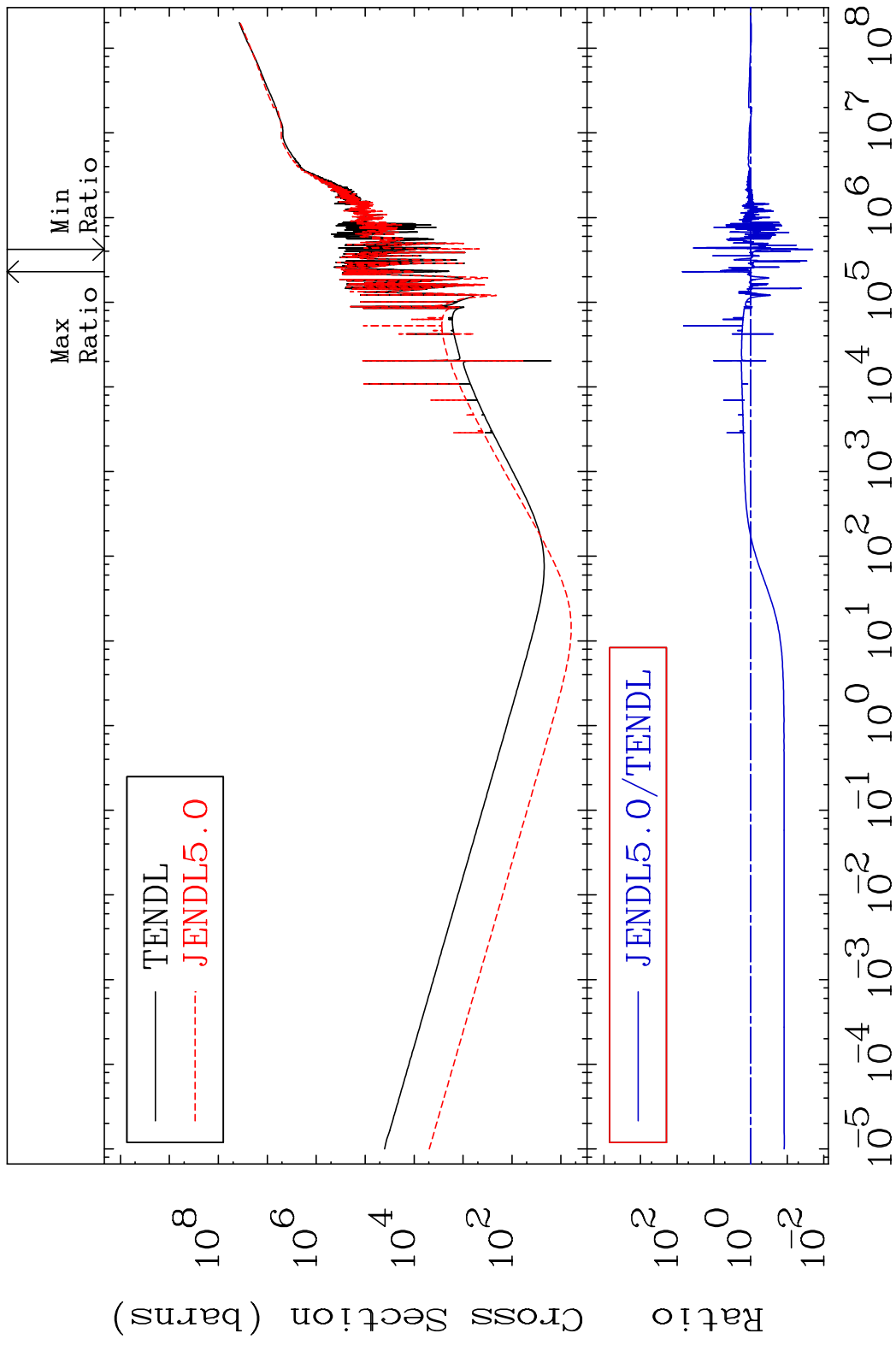
MAT 2025 Total photon (eV-barns) 20-Ca-40  
 Cross Section -99.99 To 9999. %



39 Incident Energy (eV) 20-Ca-40

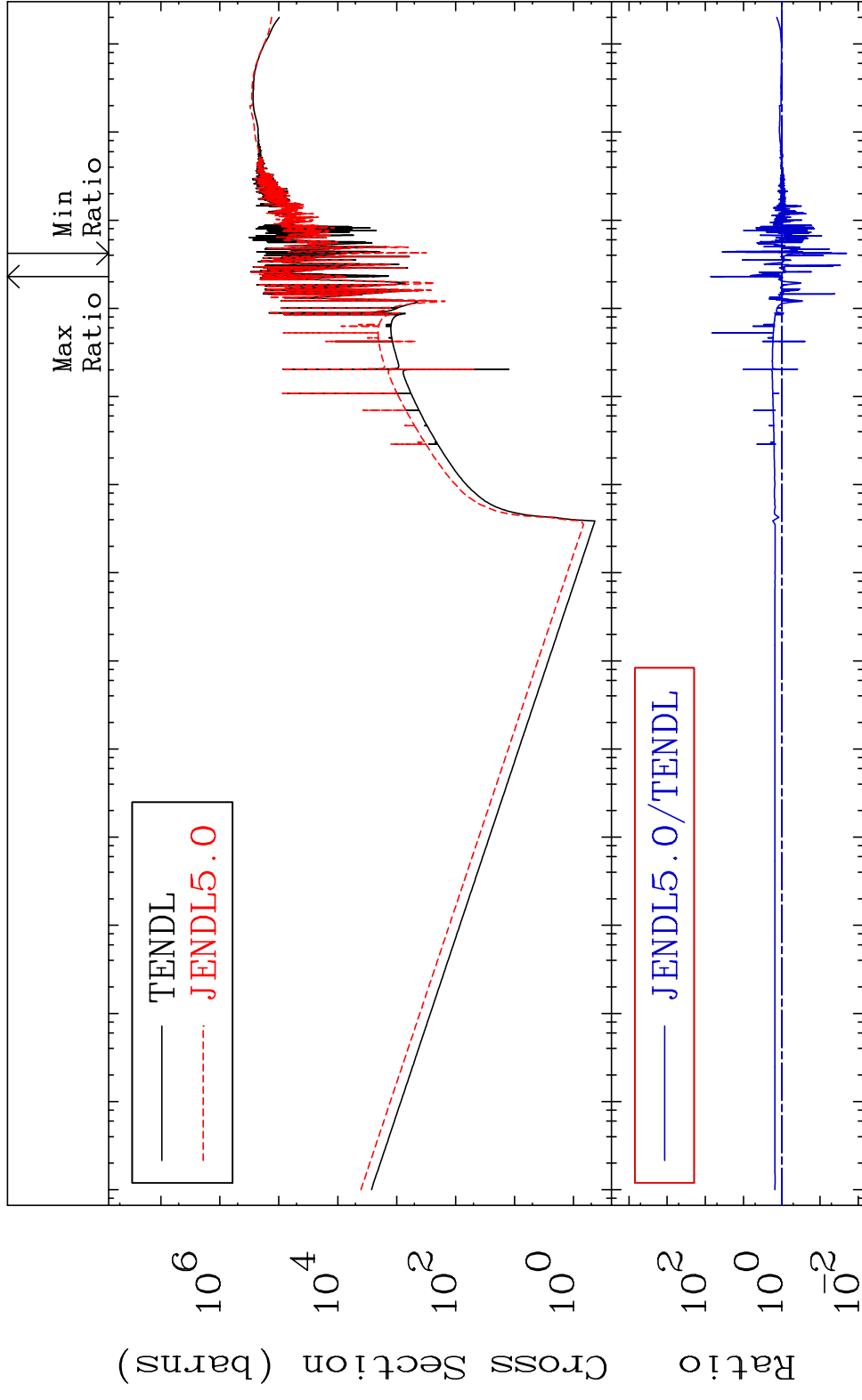


MAT 2025 Total kinematic kerma (high limit) 20-Ca-40  
Cross Section -97.96 To 7131. %



40 Incident Energy (eV) 20-Ca-40

MAT 2025      Dpa total (eV-barns)      20-Ca-40  
 Cross Section      -97.96 To 7141. %

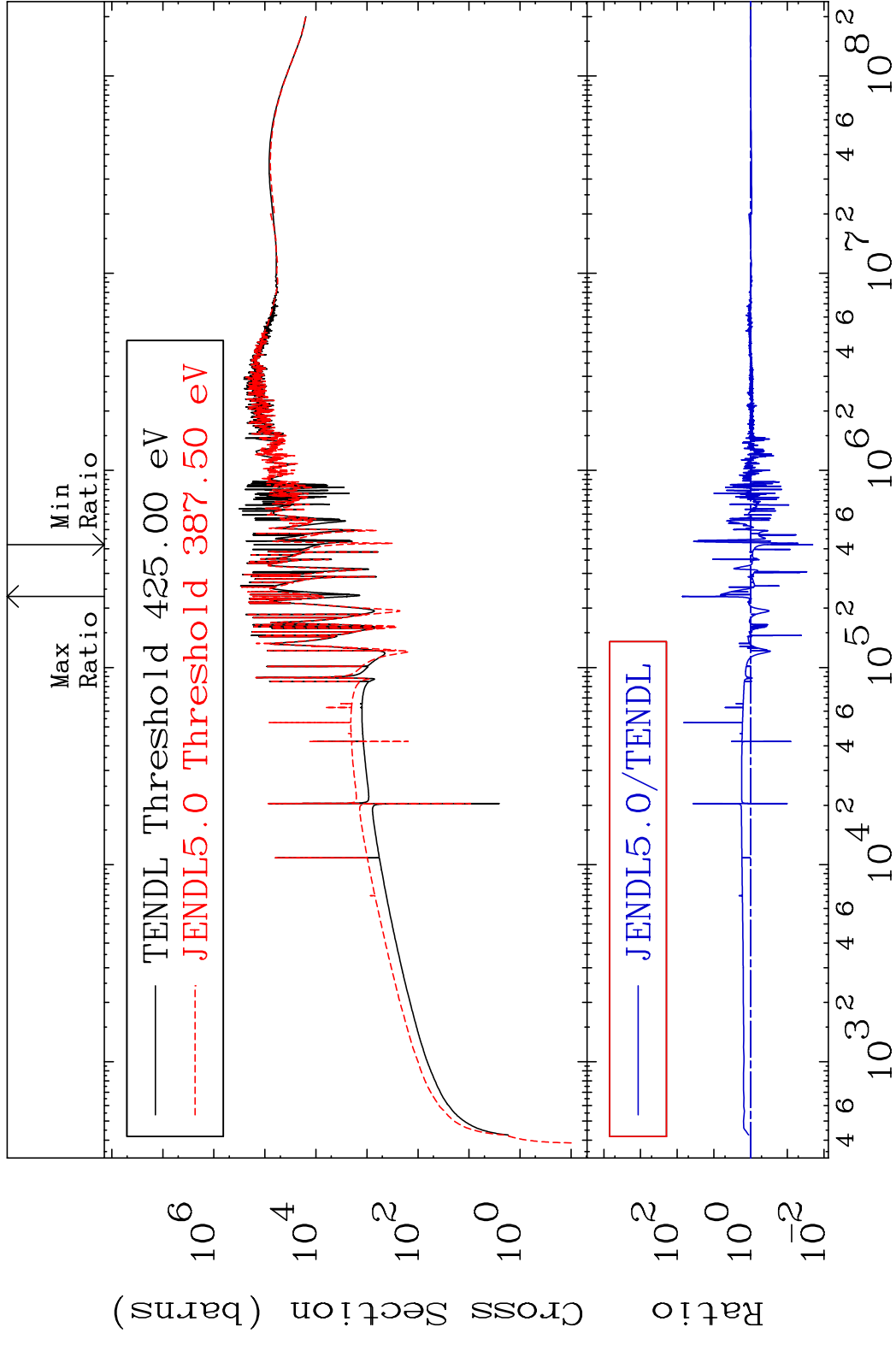


MAT 2025

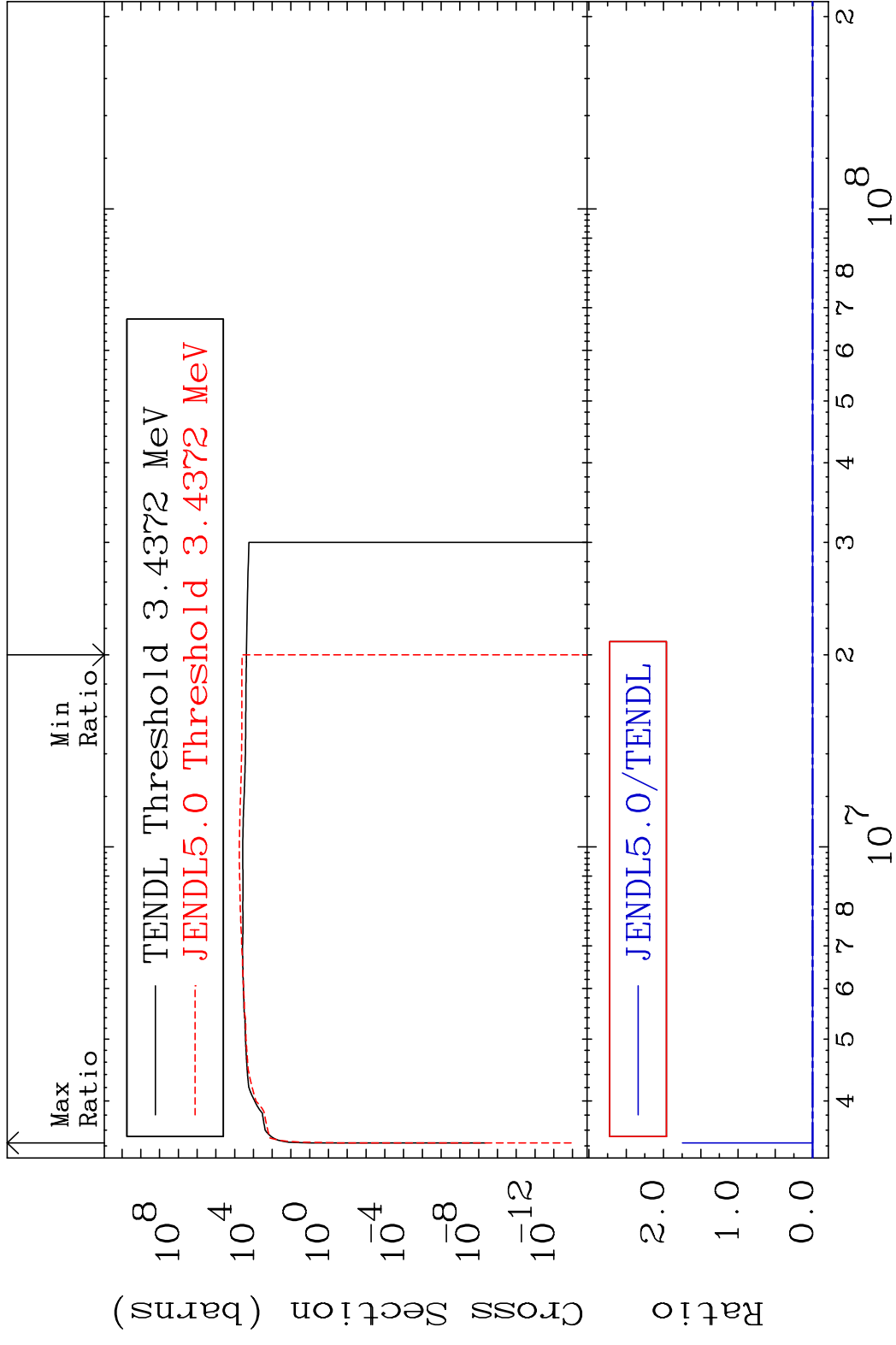
Dpa elastic (mt2)

20-Ca-40

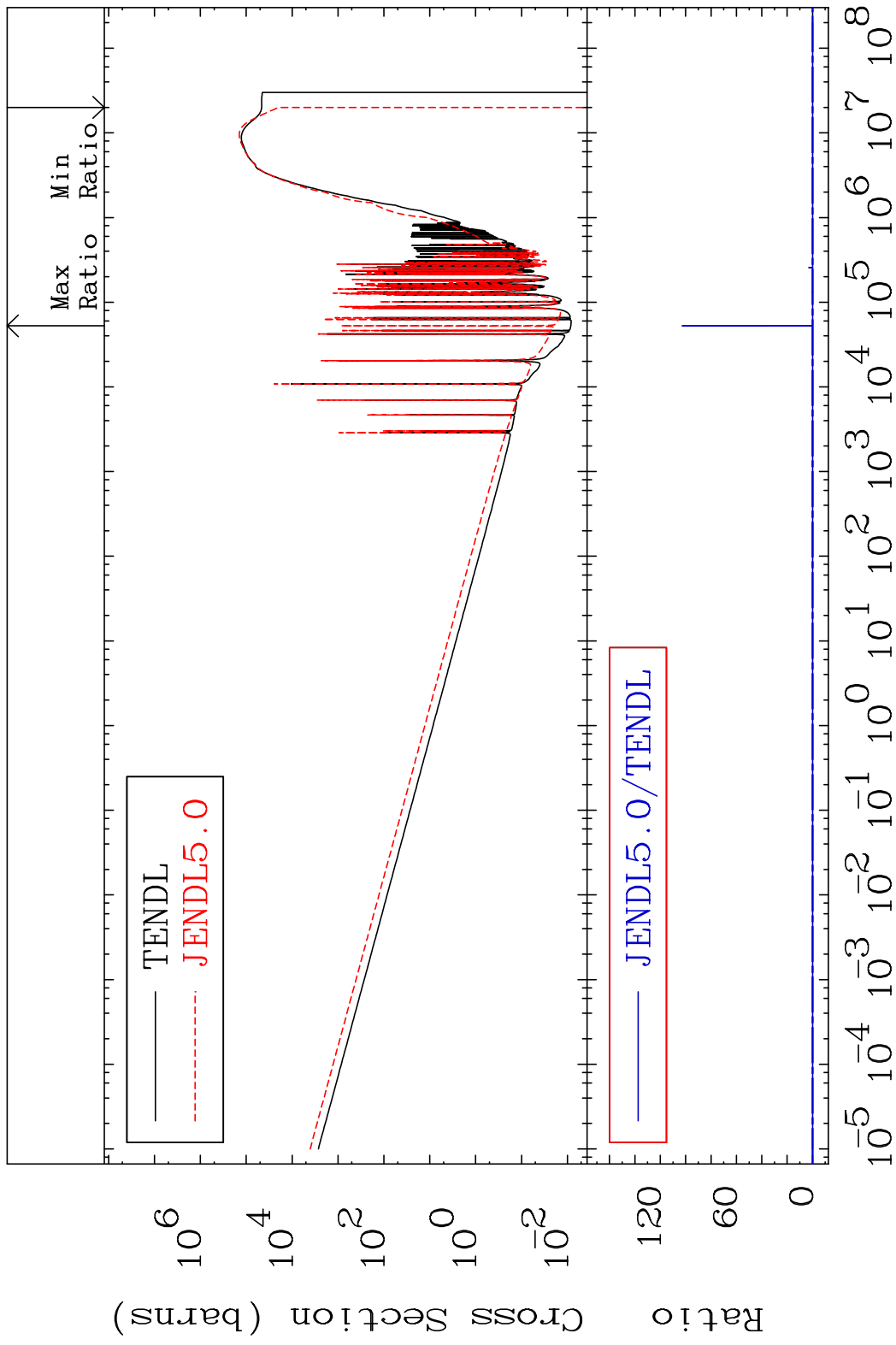
Cross Section -97.96 To 7143. %



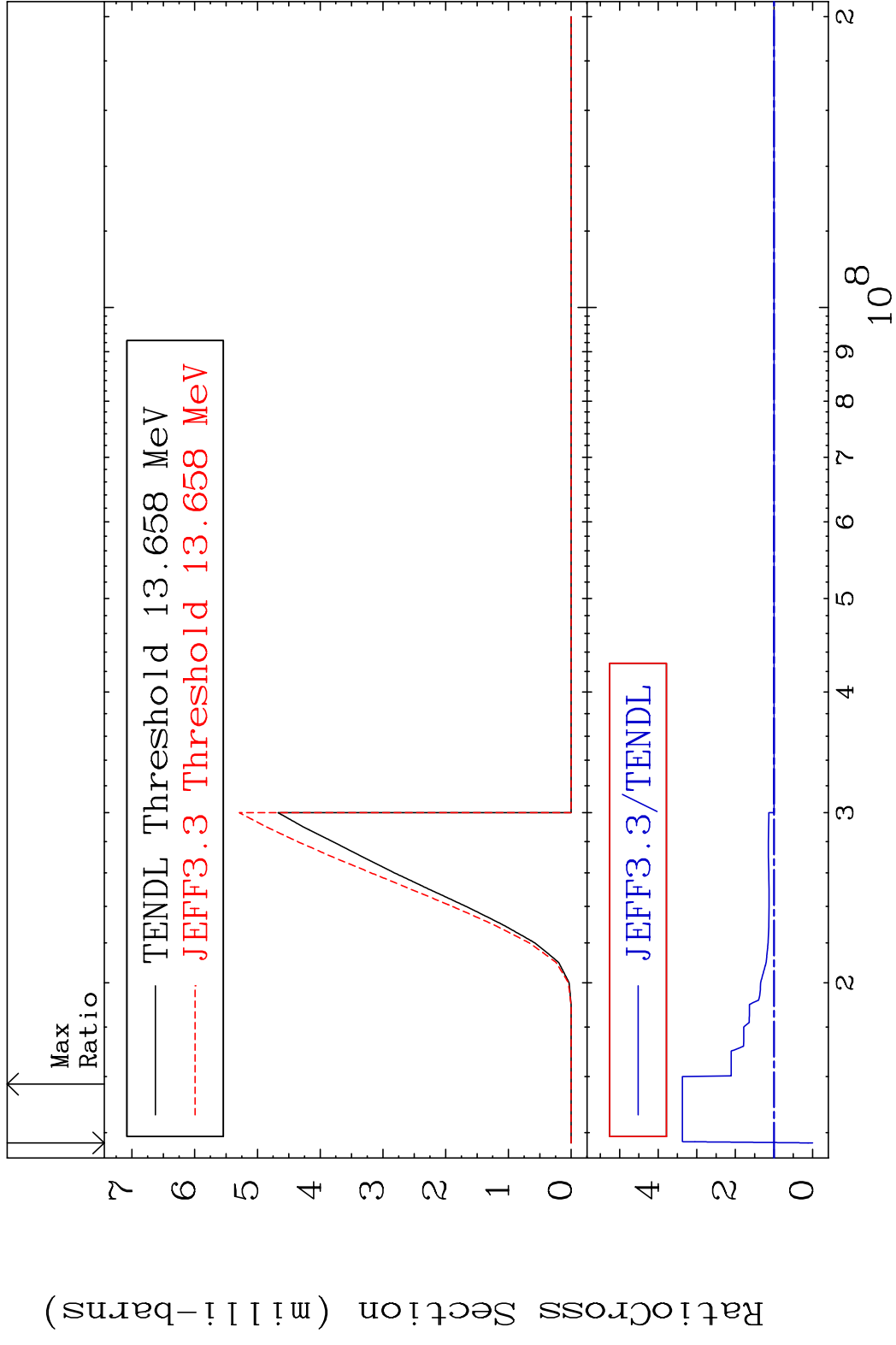
MAT 2025 Dpa inelastic (mt51-91) 20-Ca-40  
 Cross Section -100.0 To 9999. %

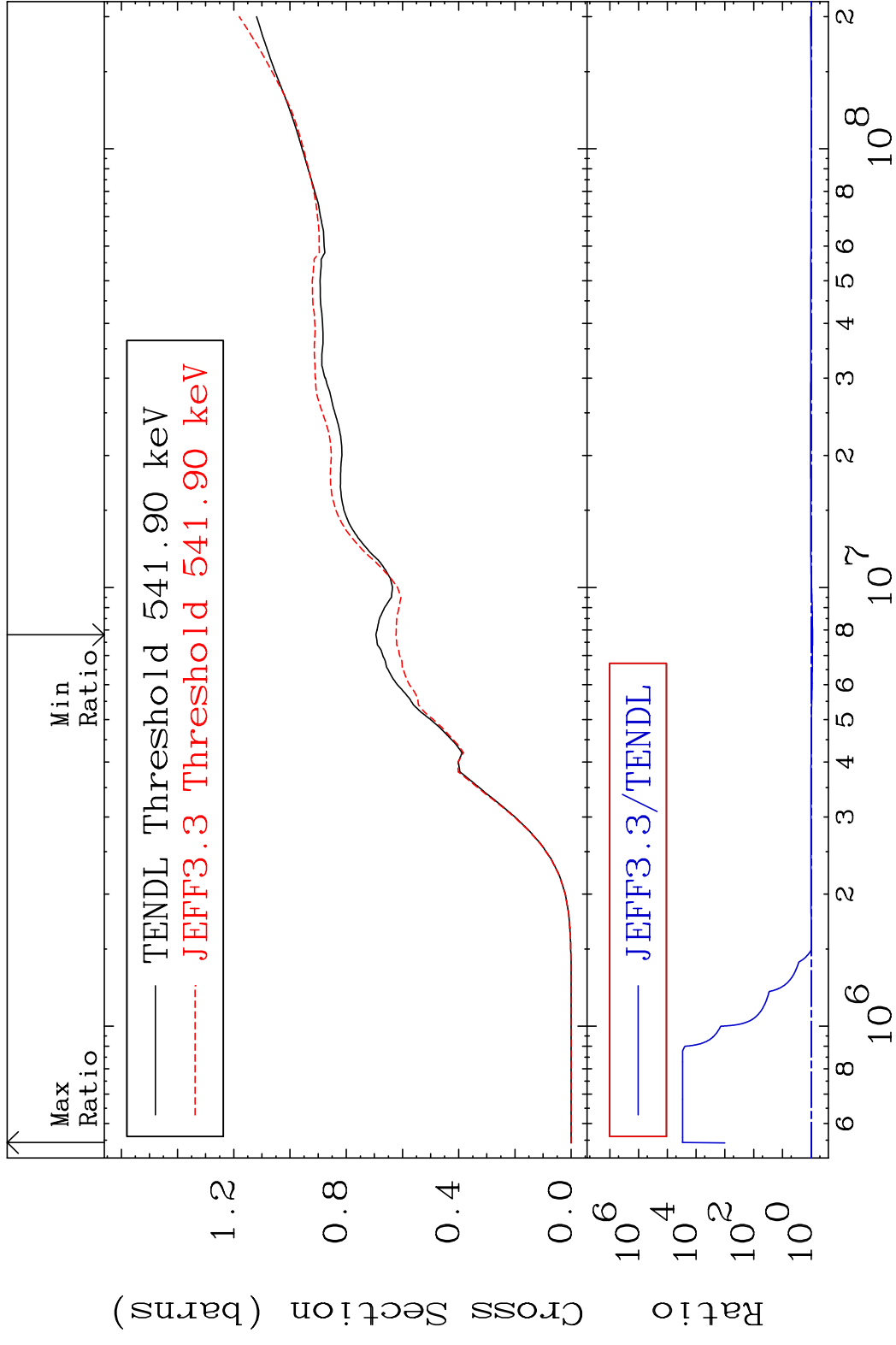


MAT 2025 Dpa disappearance (mt102 -120) 20-Ca-40  
 Cross Section -100.0 To 9999. %



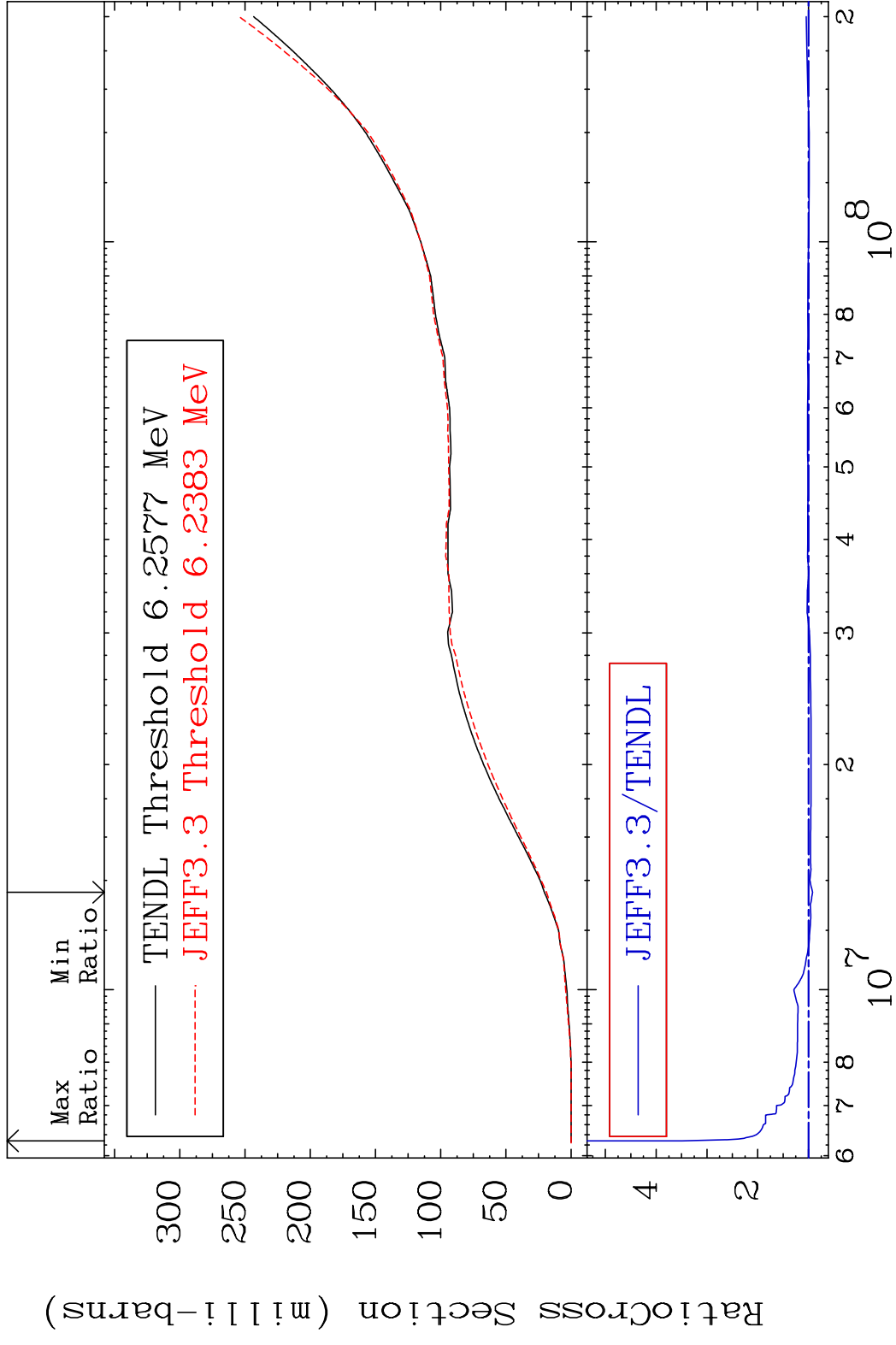
MAT 2025 (n,d)  $\alpha$  20-Ca-40  
 Cross Section -100.0 To 237.3 %





MAT 2025

Deuterium Production 20-Ca-40  
Cross Section -7.996 To 248.4 %

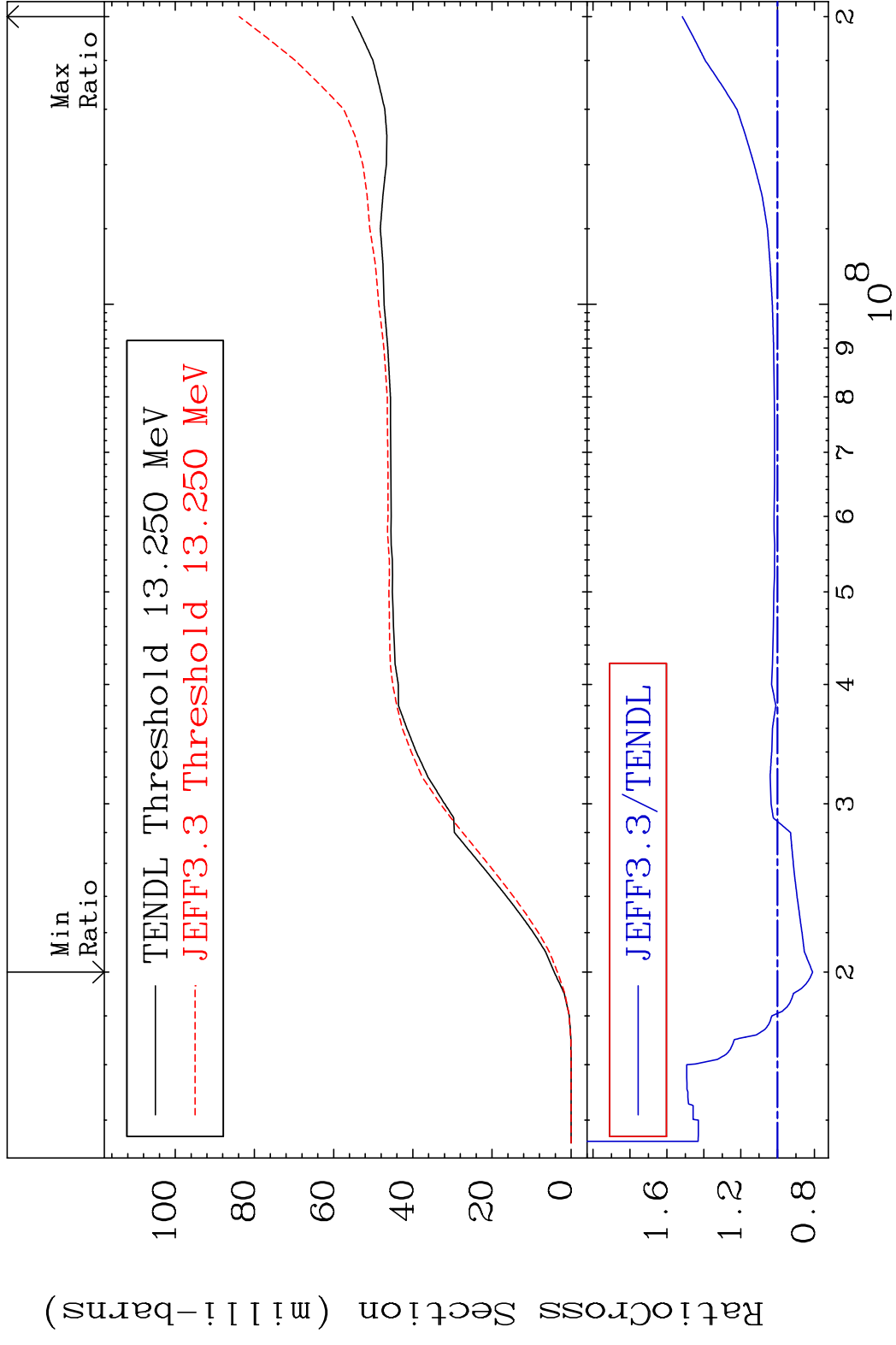


47

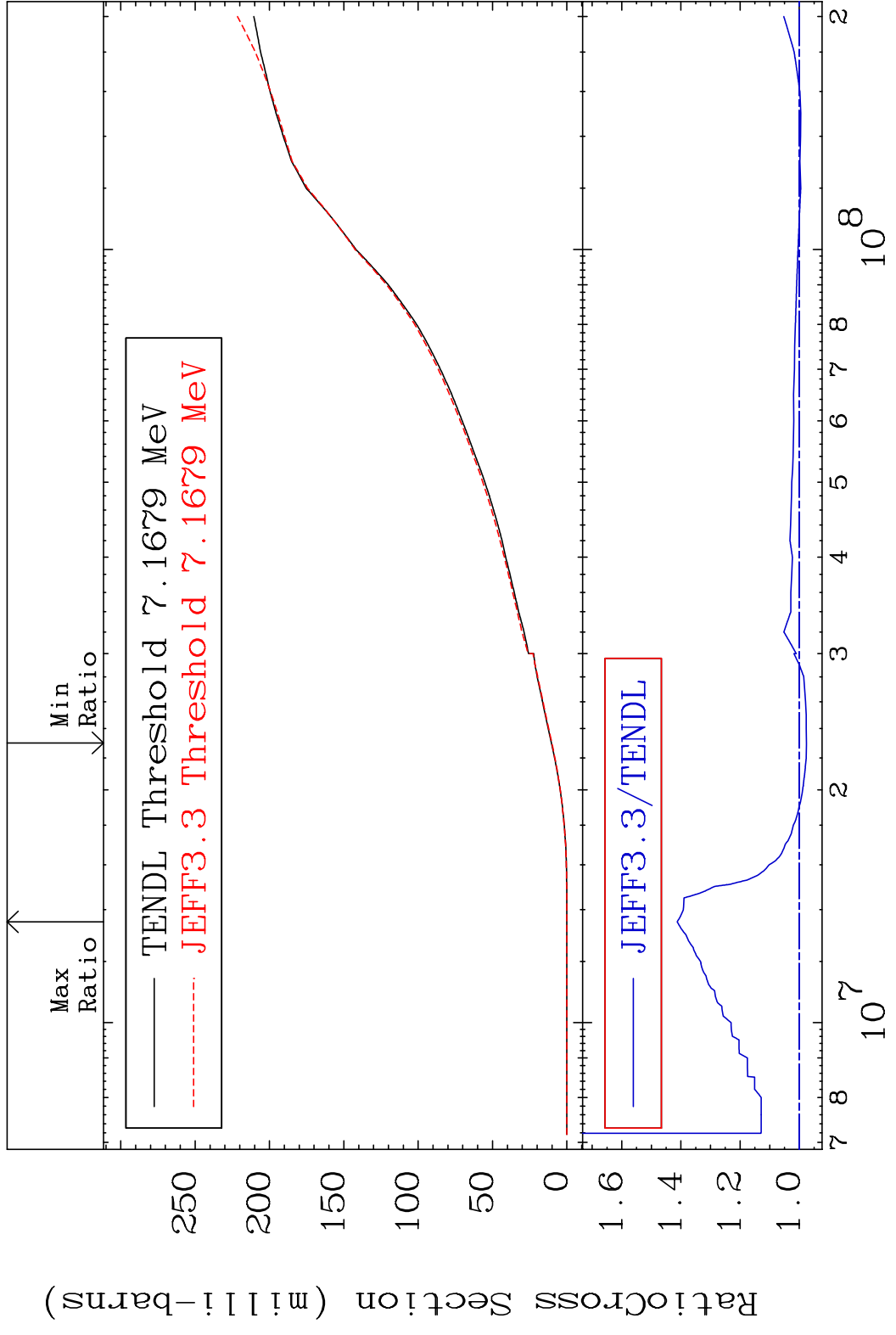
Incident Energy (eV) 20-Ca-40



MAT 2025 Tritium Production 20-Ca-40  
 Cross Section -18.95 To 51.60 %



MAT 2025 He-3 Production 20-Ca-40  
 Cross Section -2.415 To 41.27 %

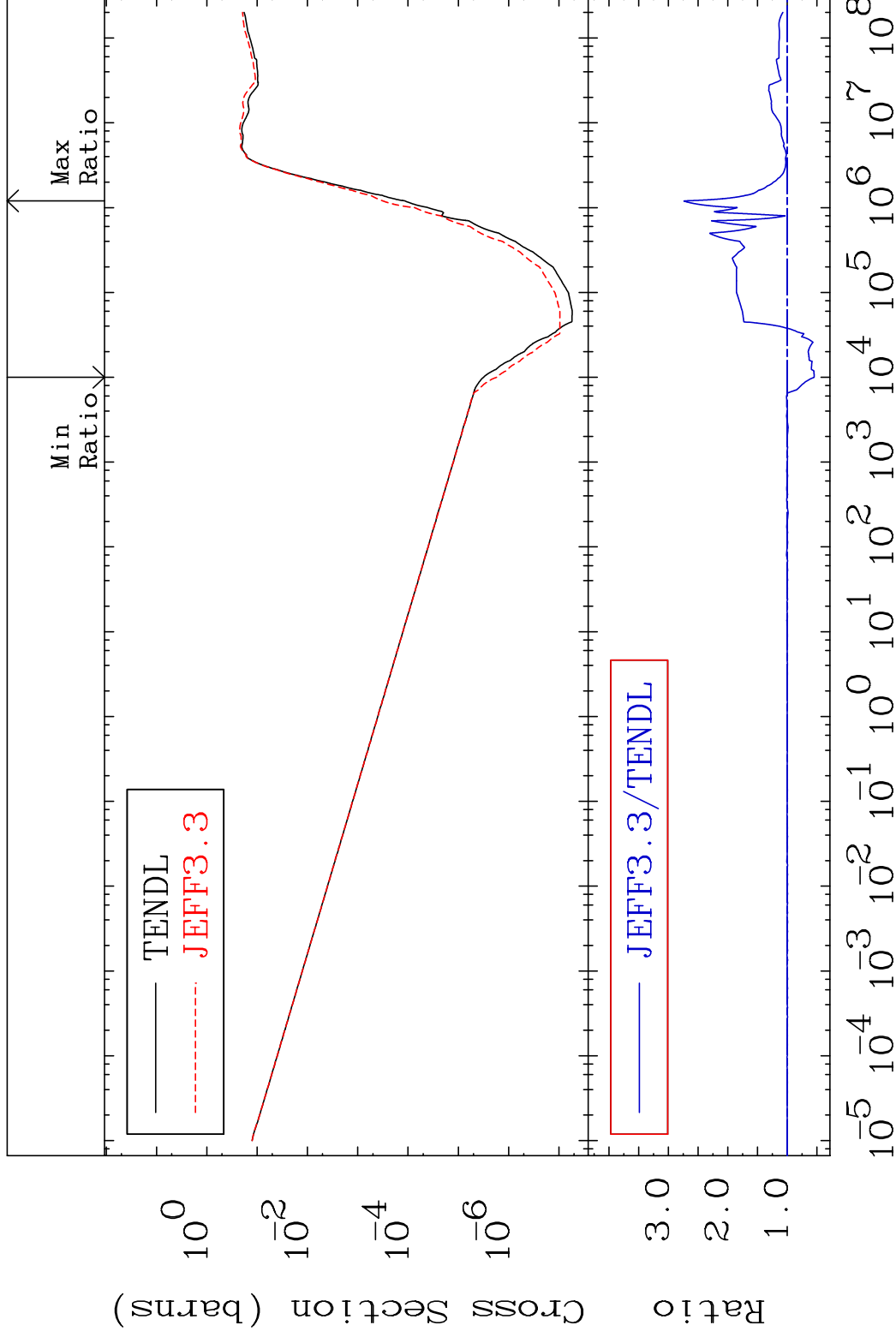


MAT 2025

He-4 Production

20-Ca-40

Cross Section -45.20 To 174.4 %

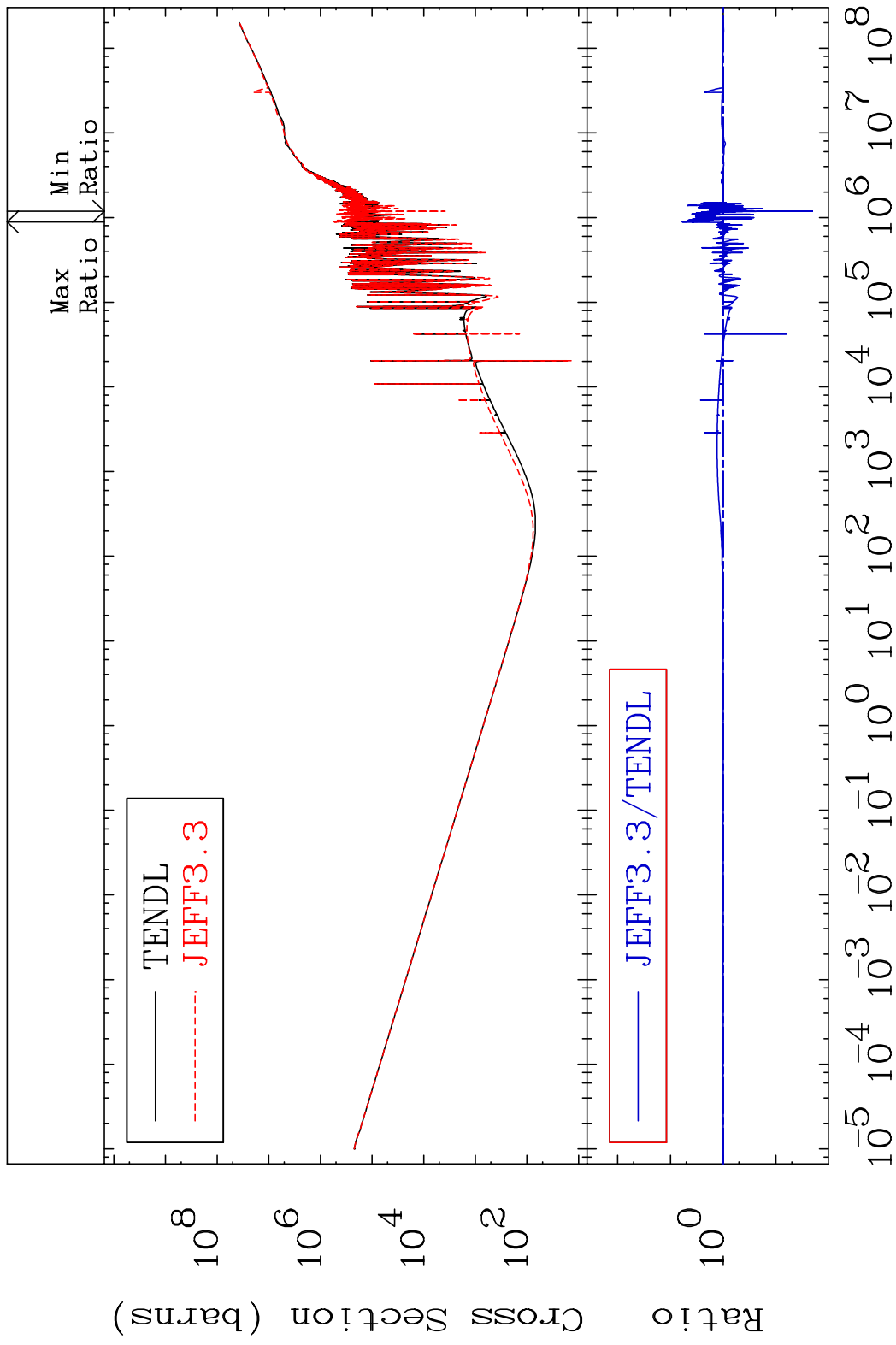


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Incident Energy (eV)

20-Ca-40

MAT 2025 Kerma total (eV-barns) 20-Ca-40  
Cross Section -97.98 To 494.3 %

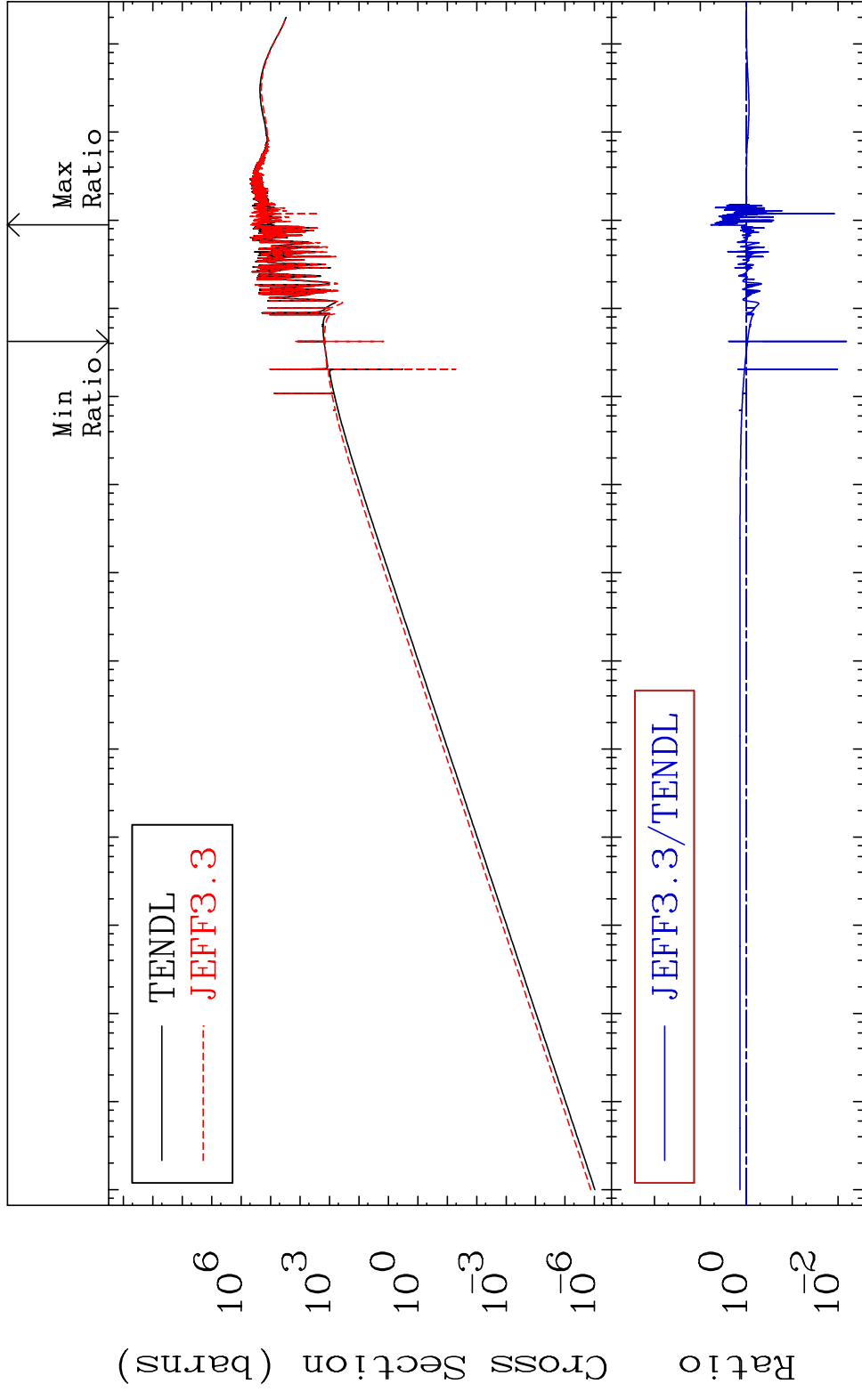


51 Incident Energy (eV) 20-Ca-40

MAT 2025

Kerma elastic  
Cross Section

20-Ca-40  
-99.34 To 494.3 %

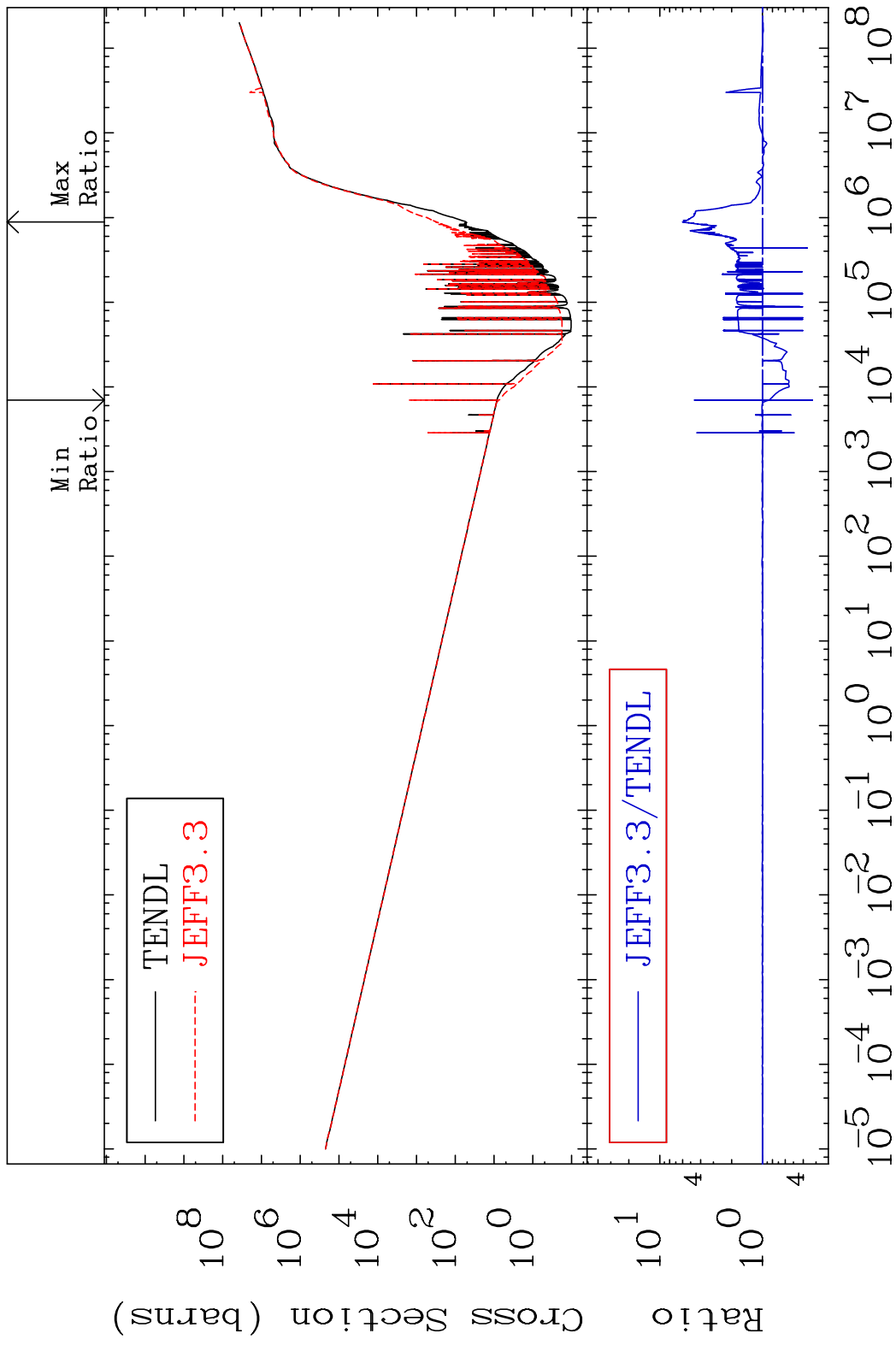


52

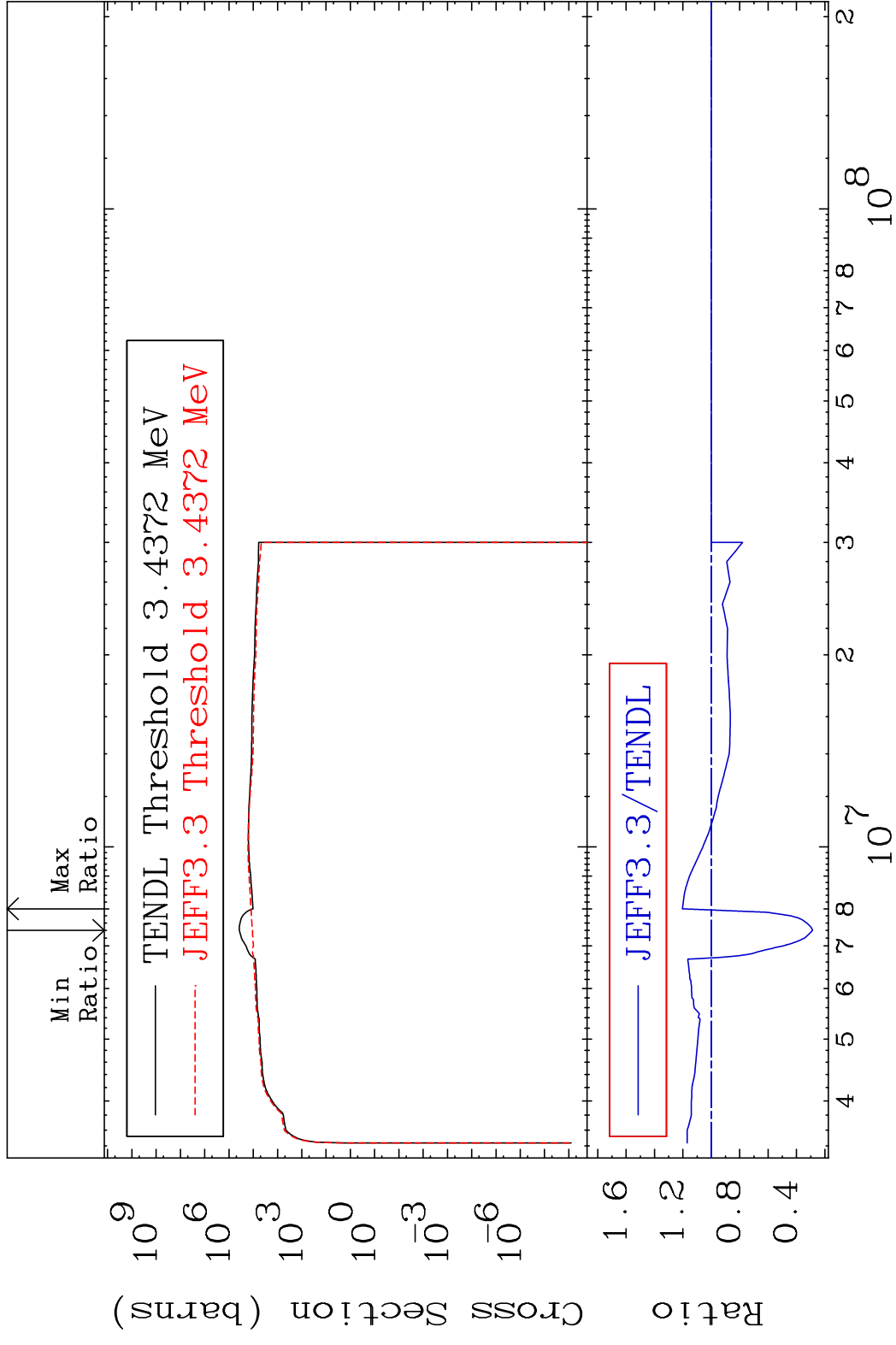
Incident Energy (eV)

20-Ca-40

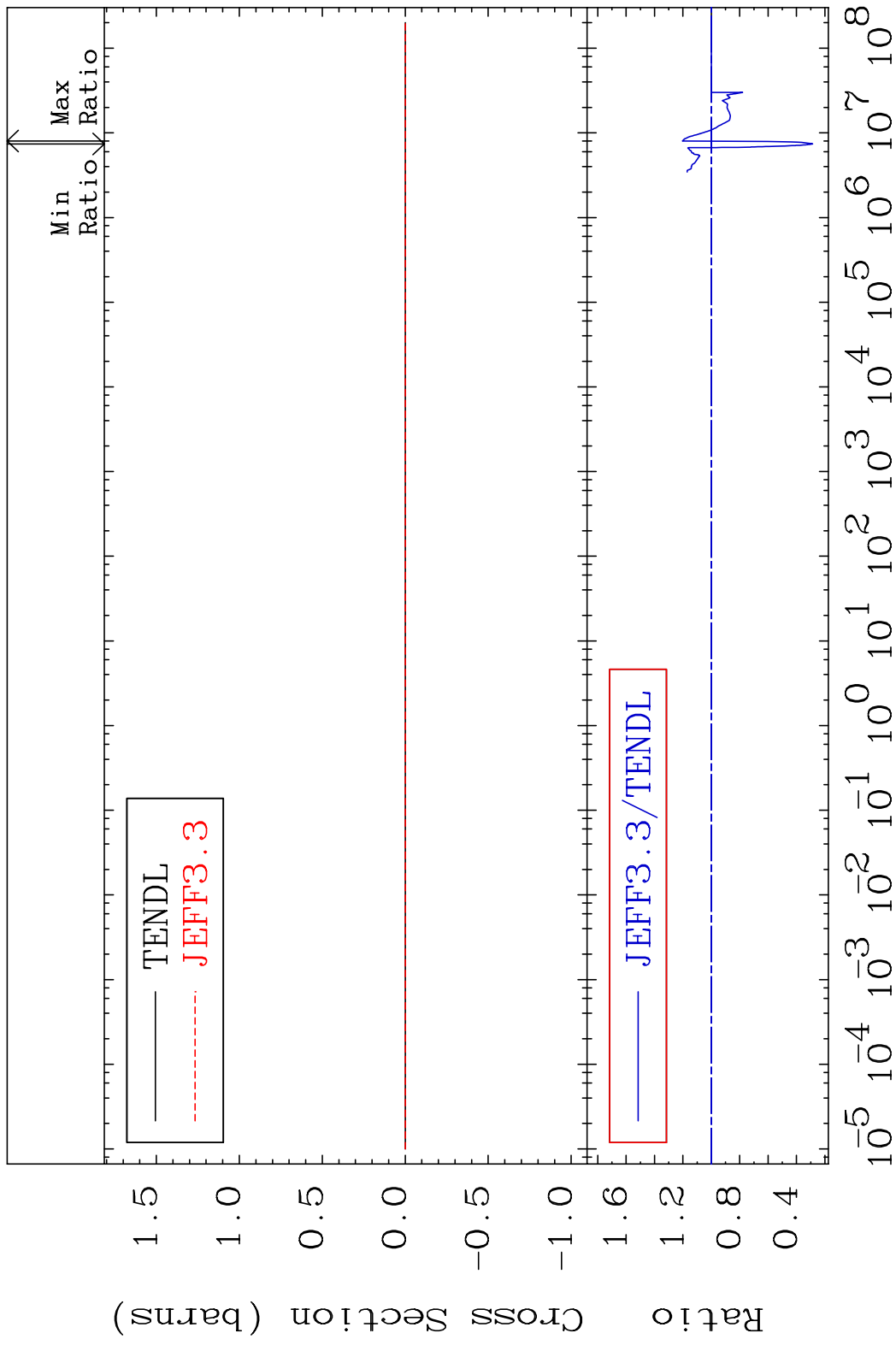
MAT 2025 Kerma non-elastic (all but mt2) 20-Ca-40  
 Cross Section -67.49 To 502.6 %



MAT 2025 Kerma inelastic (mt51-91) 20-Ca-40  
 Cross Section -71.33 To 20.40 %



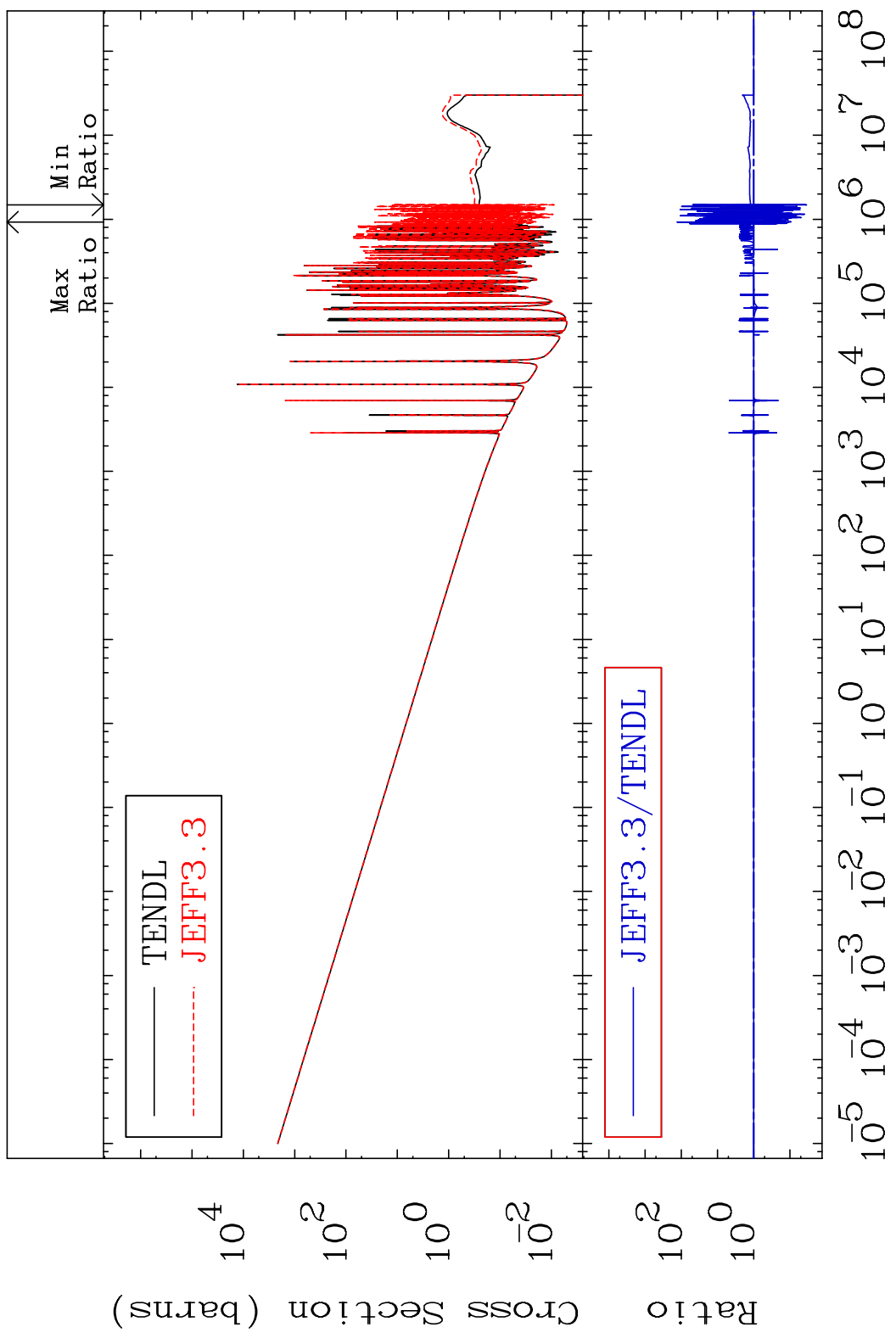
MAT 2025 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-40  
 Cross Section -71.33 To 20.40 %





MAT 2025

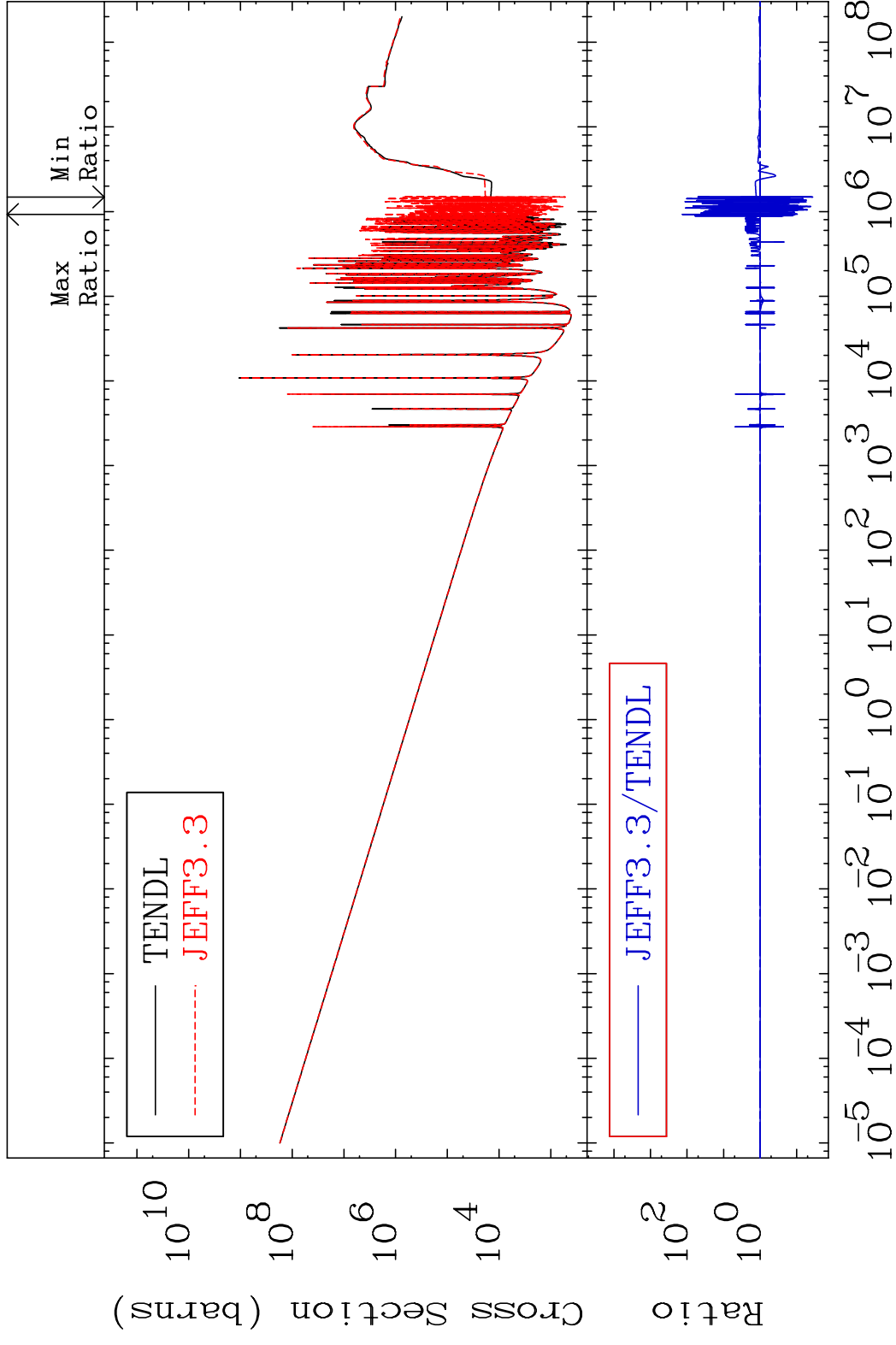
Kerma capture (mt102) 20-Ca-40  
Cross Section -96.51 To 9999. %



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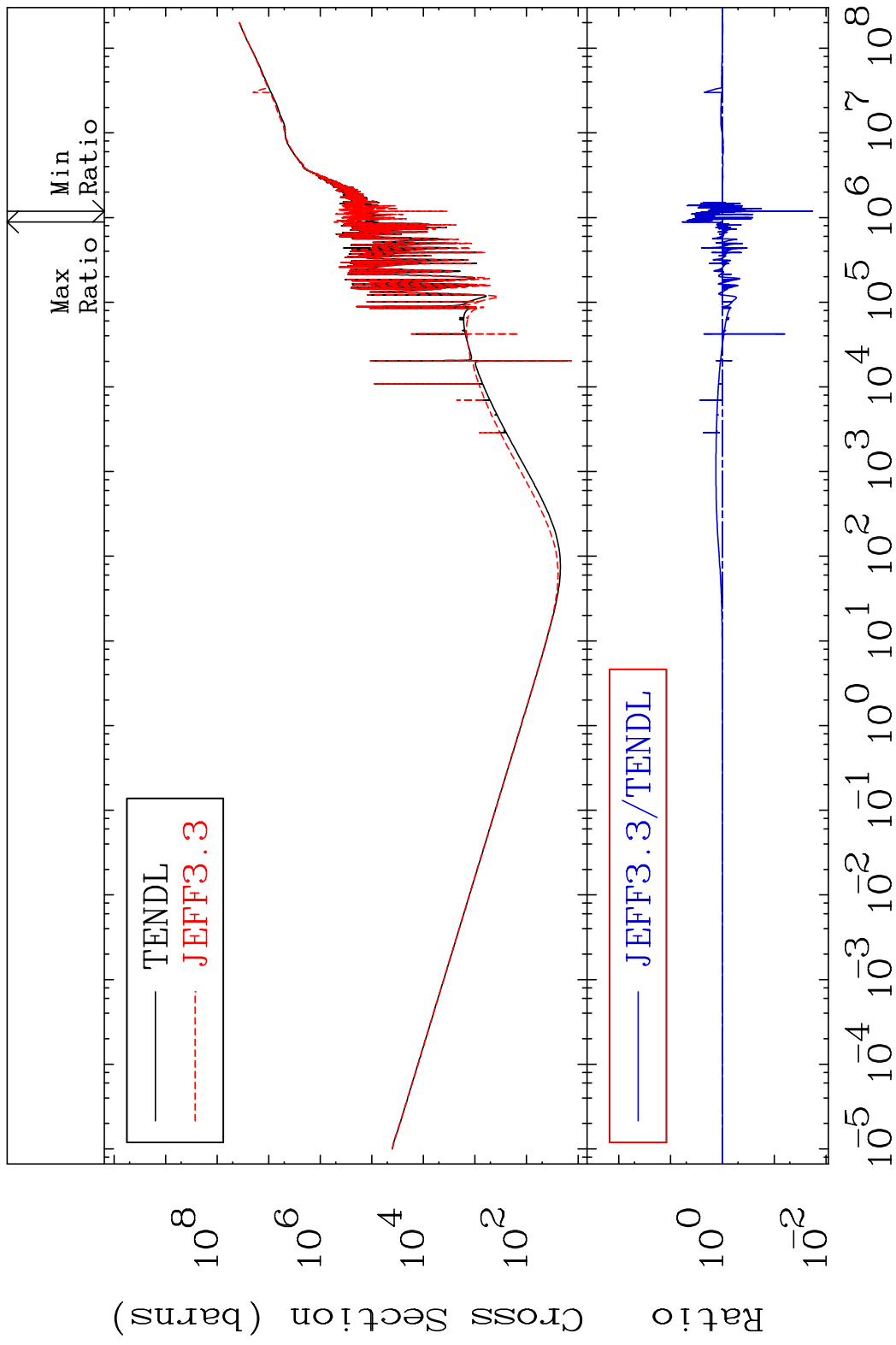
Incident Energy (eV) 20-Ca-40

MAT 2025 Total photon (eV-barns) 20-Ca-40  
 Cross Section -96.34 To 9999. %



57 Incident Energy (eV) 20-Ca-40

MAT 2025 Total kinematic kerma (high limit) 20-Ca-40  
Cross Section -98.18 To 494.3 %

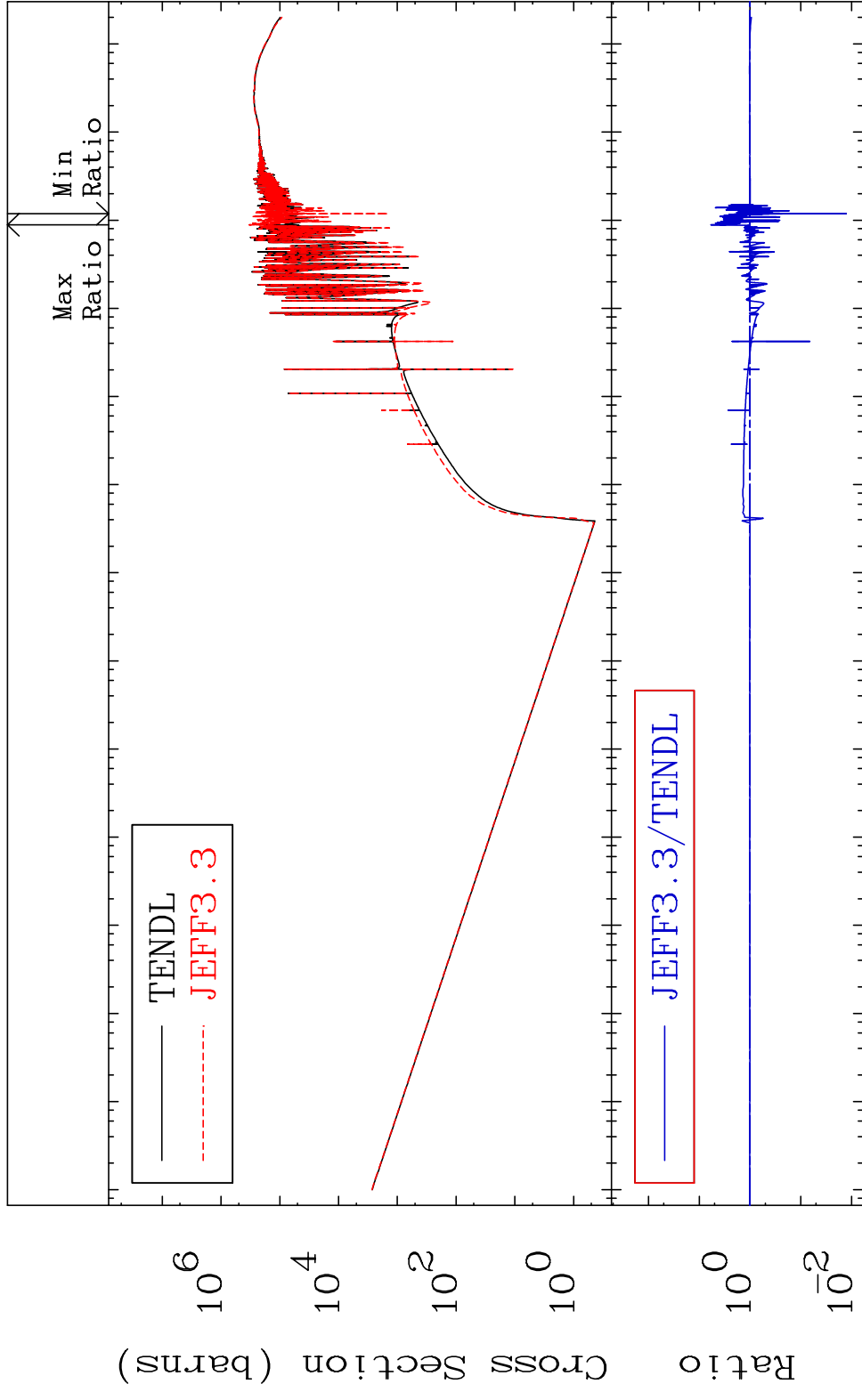


MAT 2025

Dpa total (eV-barns)

20-Ca-40

Cross Section -98.73 To 495.1 %



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Incident Energy (eV)

20-Ca-40

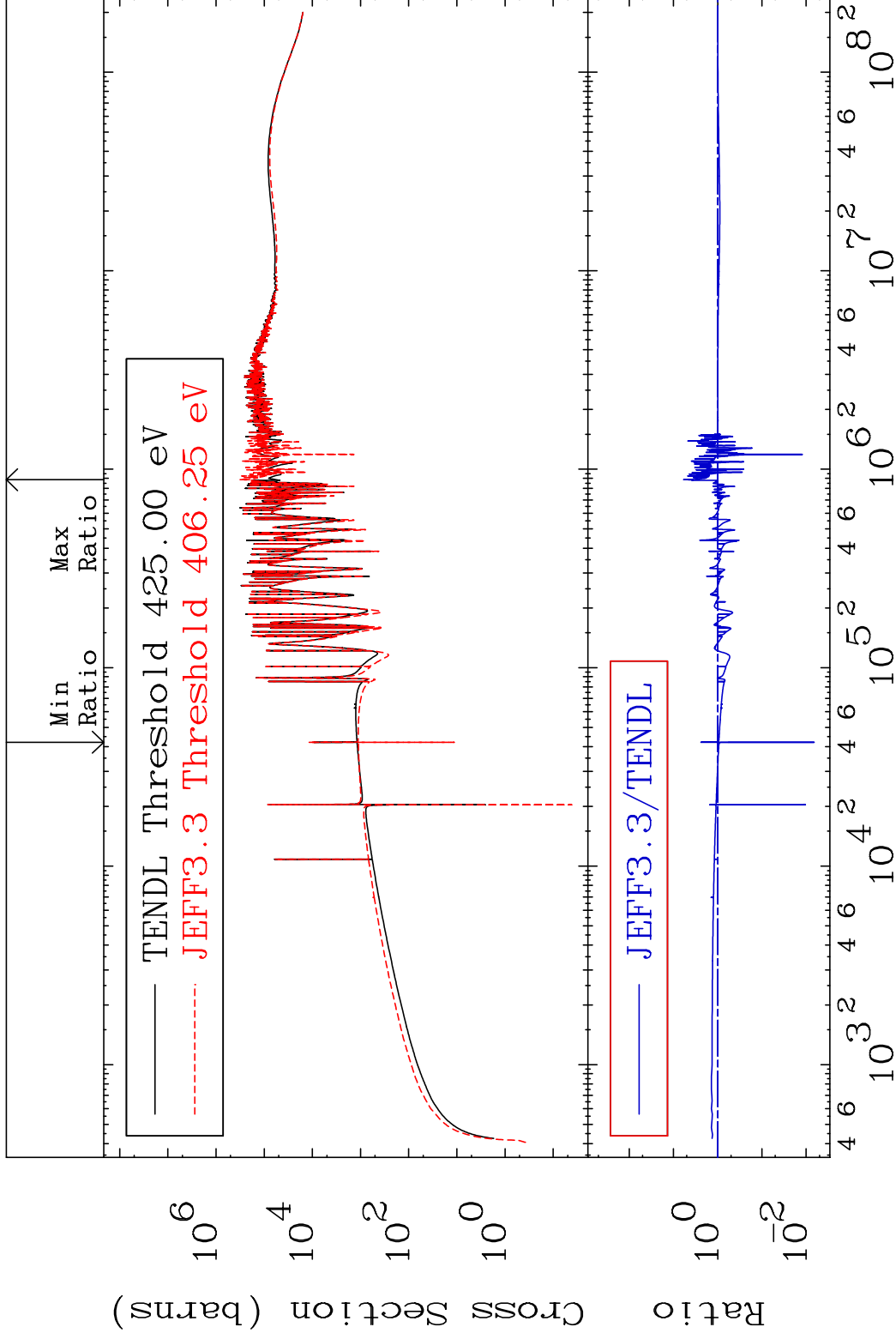
MAT 2025

Dpa elastic (mt2)

20-Ca-40

Cross Section

-99.34 To 495.1 %

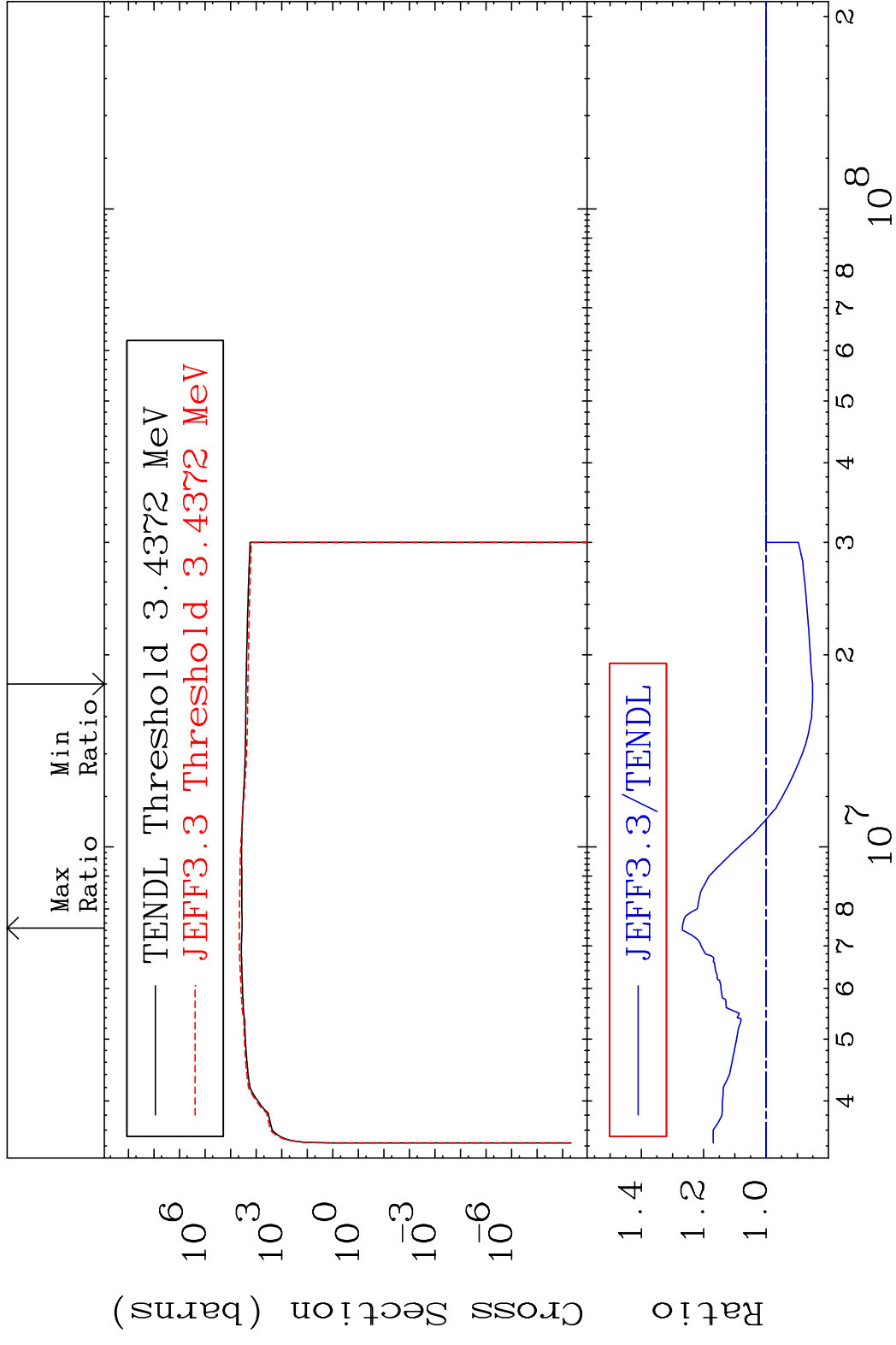


60

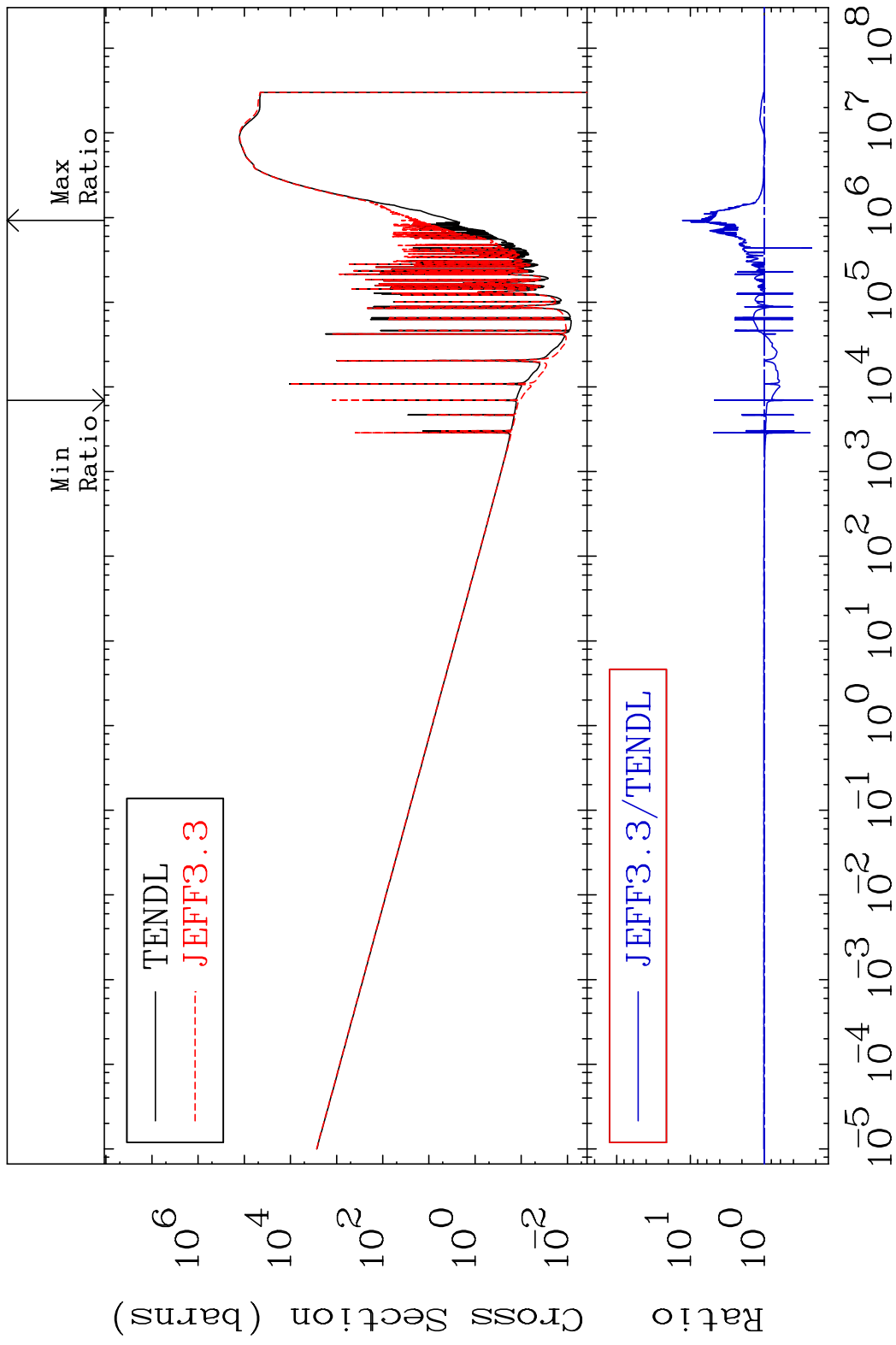
Incident Energy (eV)

20-Ca-40

MAT 2025 Dpa inelastic (mt51-91) 20-Ca-40  
 Cross Section -14.89 To 26.84 %

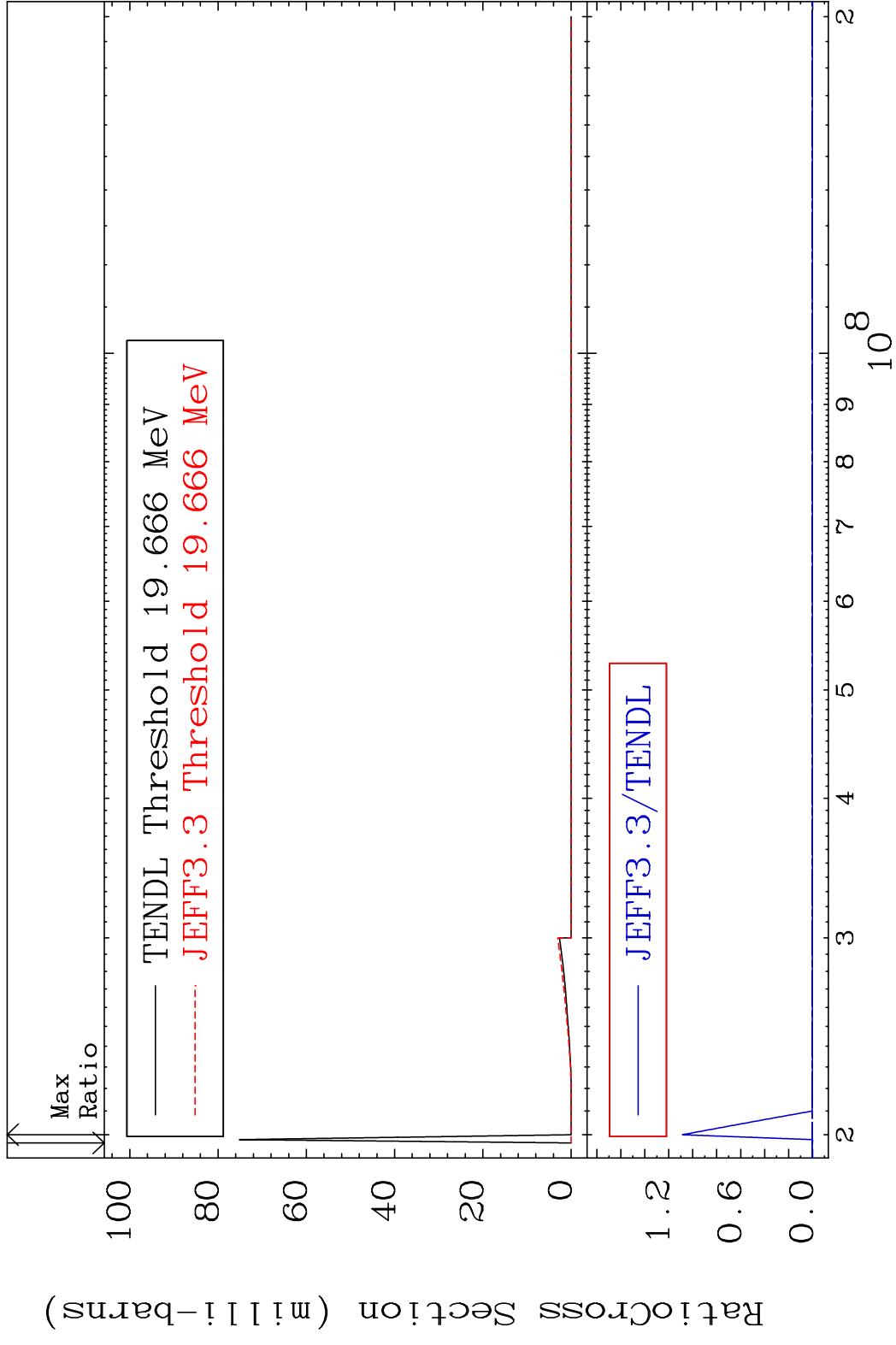


MAT 2025 Dpa disappearance (mt102 -120) 20-Ca-40  
 Cross Section -77.93 To 1189. %

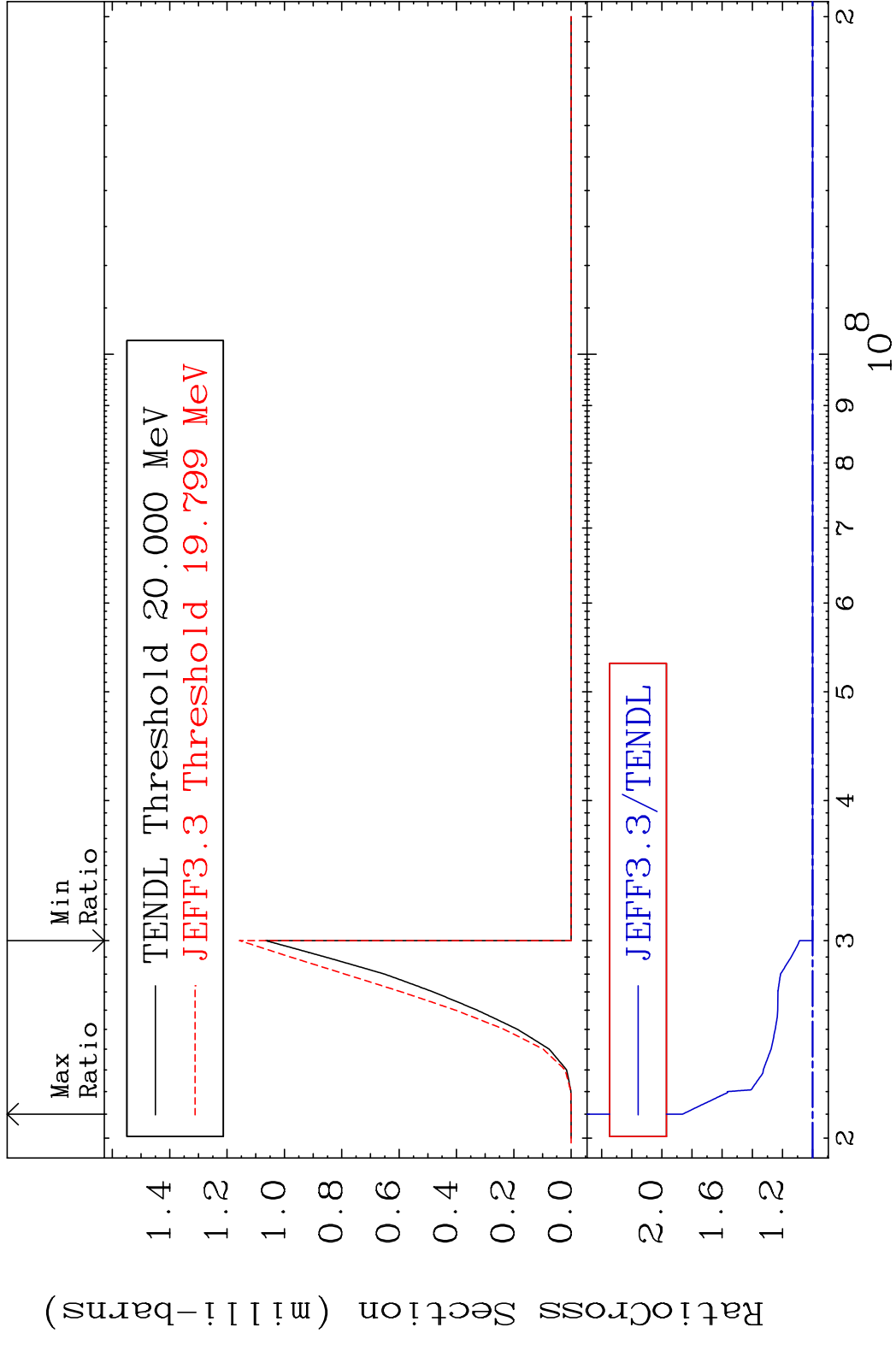


62 Incident Energy (eV) 20-Ca-40

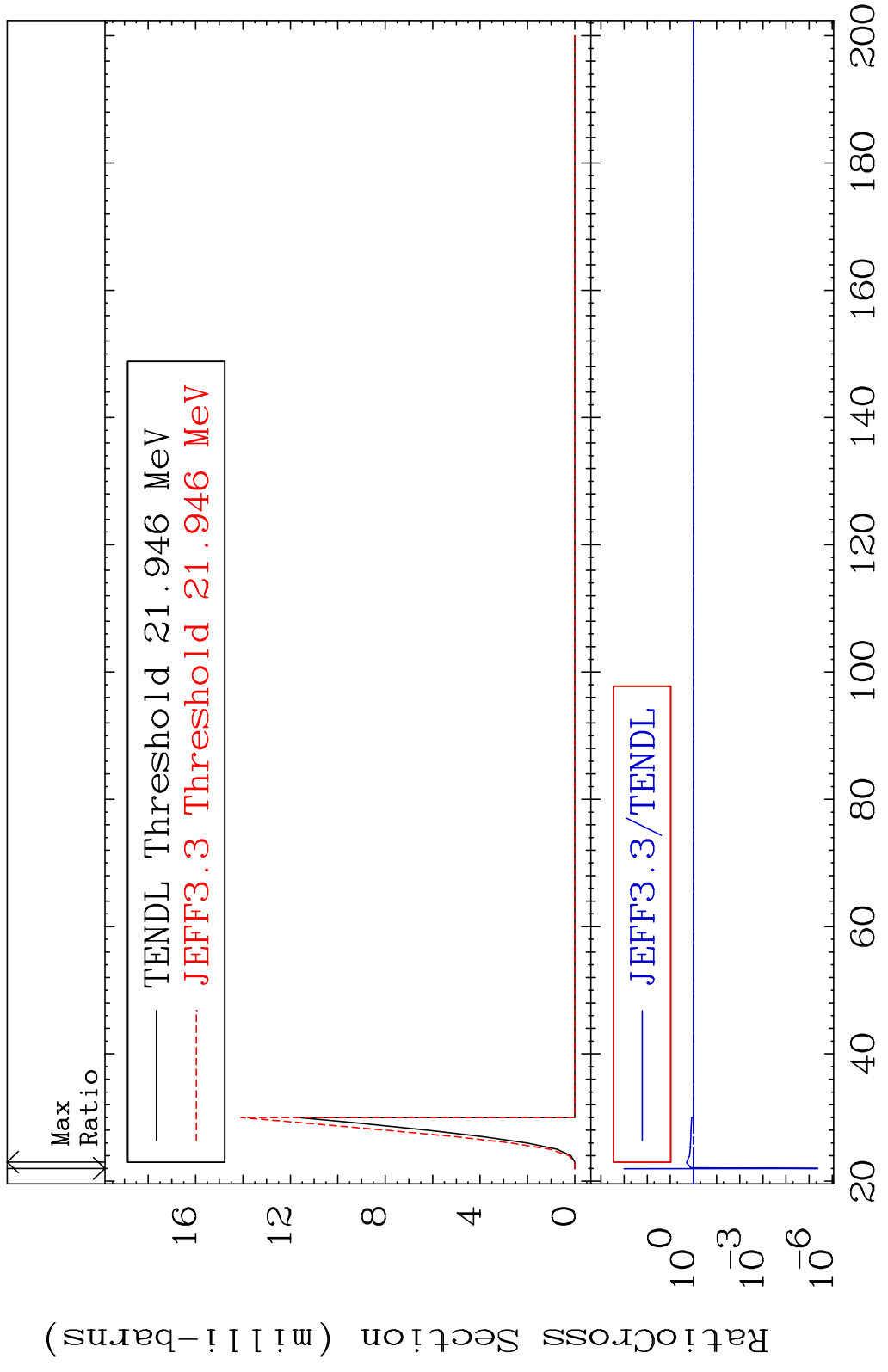
MAT 2025 (n, n') d:19-K -38g 20-Ca-40  
 Radionuclide Production Cross Section 180c01 d10 9999. %



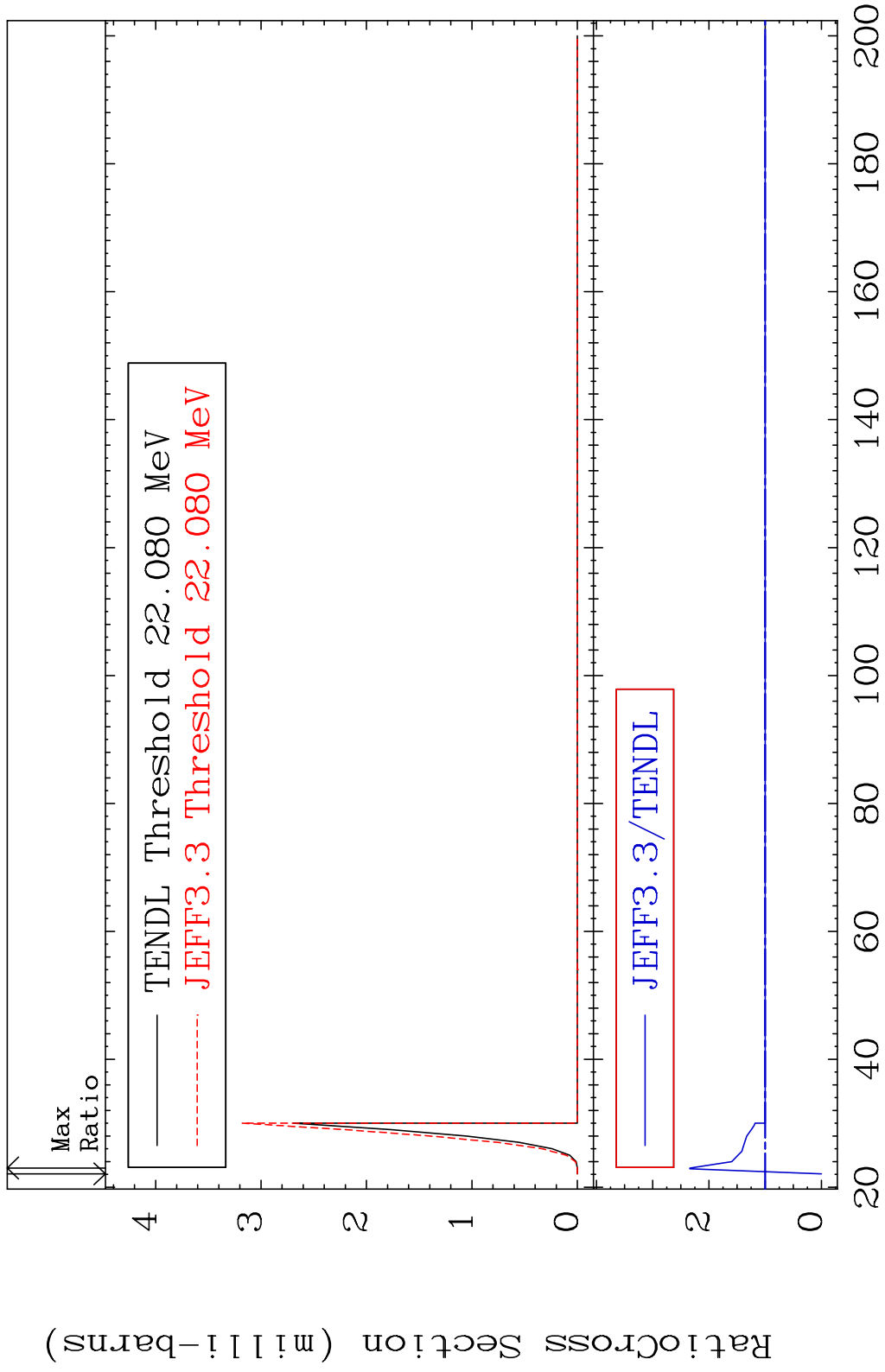


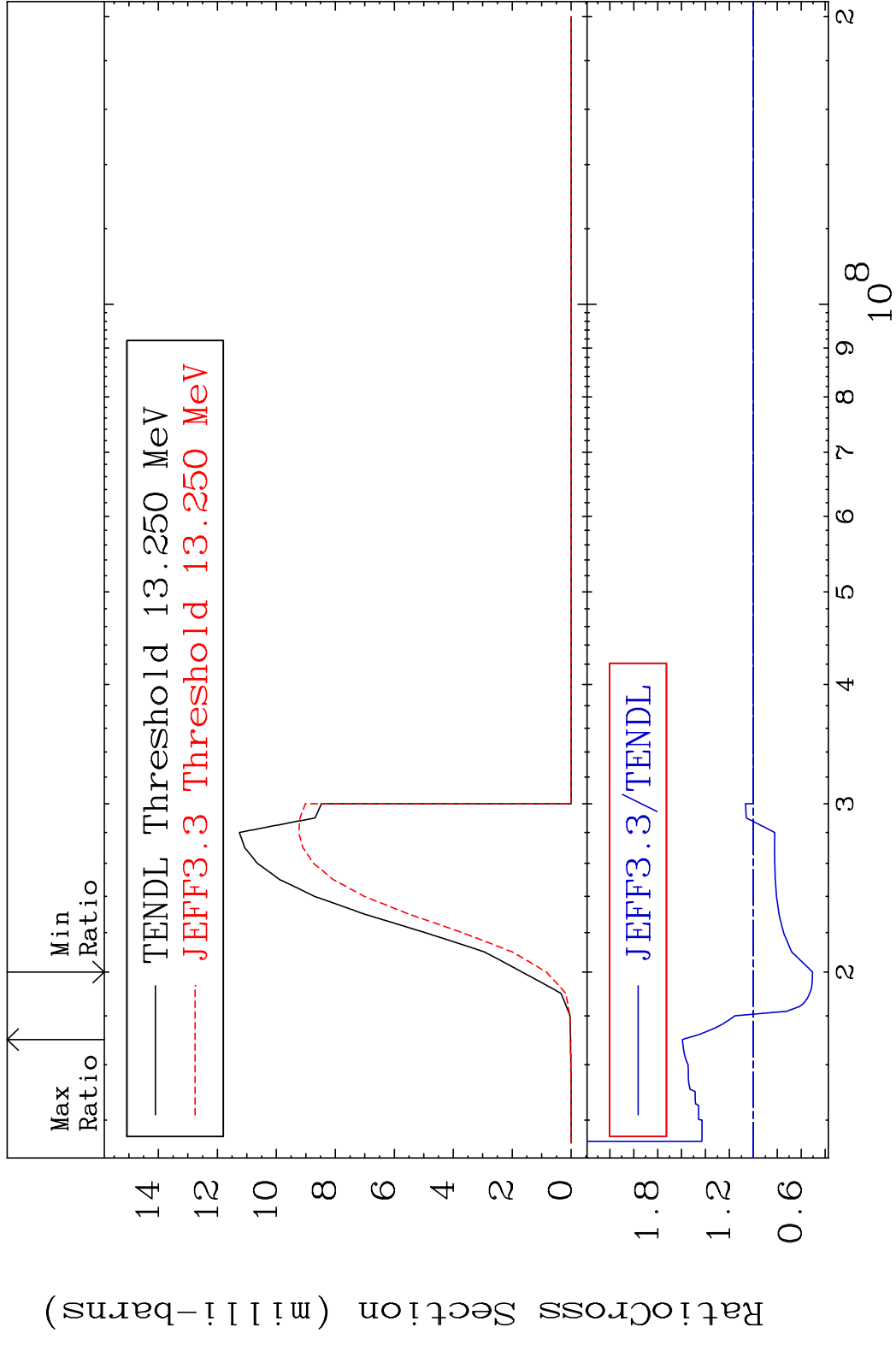


MAT 2025 (n,2n) p:19-K -38g 20-Ca-40  
 Radionuclide Production Cross Section 180c01.d10 95.91 %



MAT 2025 (n,2n) p:19-K -38m1 20-Ca-40  
 Radionuclide Production Cross Section 134.1 %





MAT 2025 (n,t):19-K -38m1 20-Ca-40  
 Radionuclide Production Cross Section Ratio 48.37 %

