

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

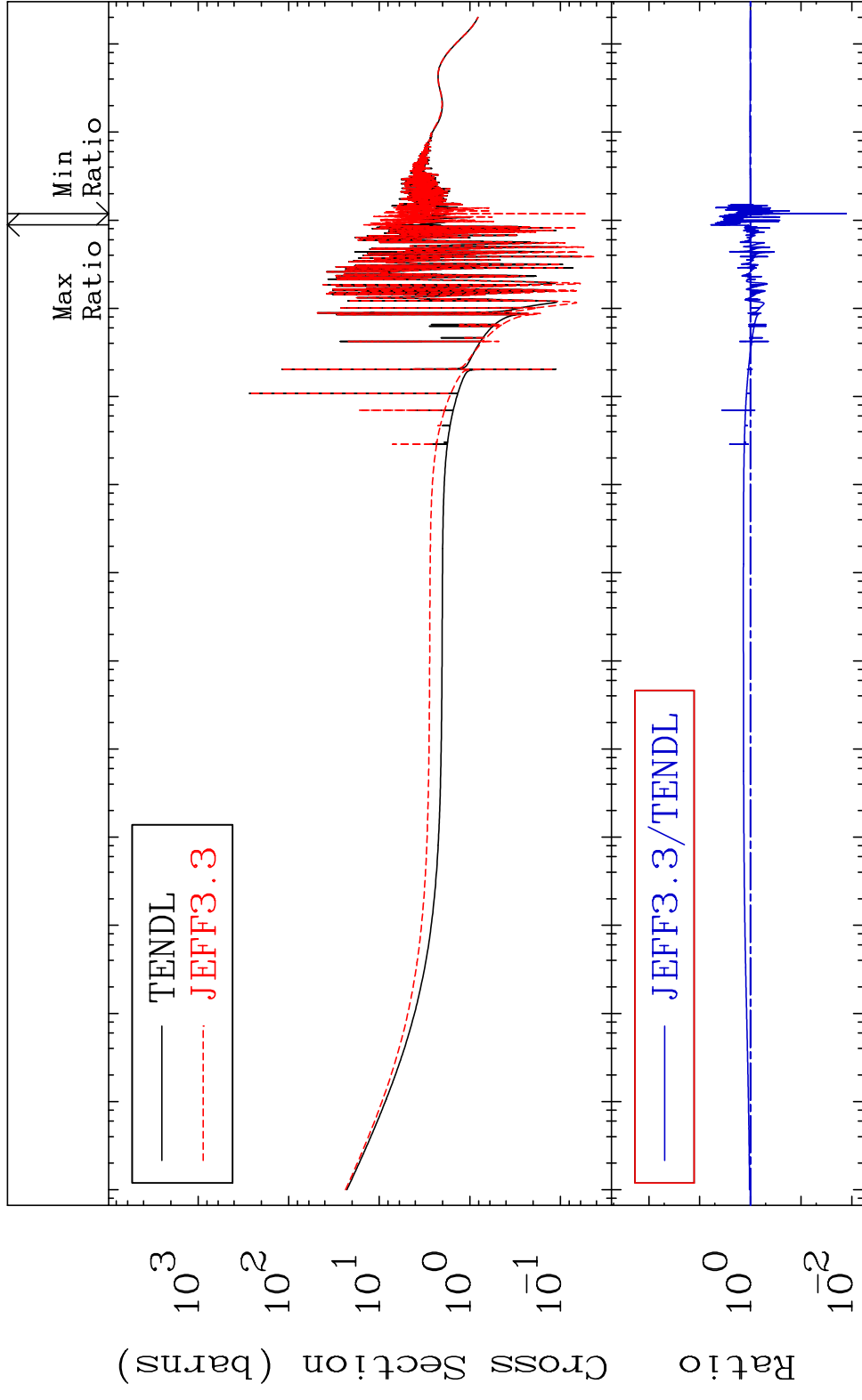
MAT 2025

Total

20-Ca-40

Cross Section

-98.72 To 504.8 %



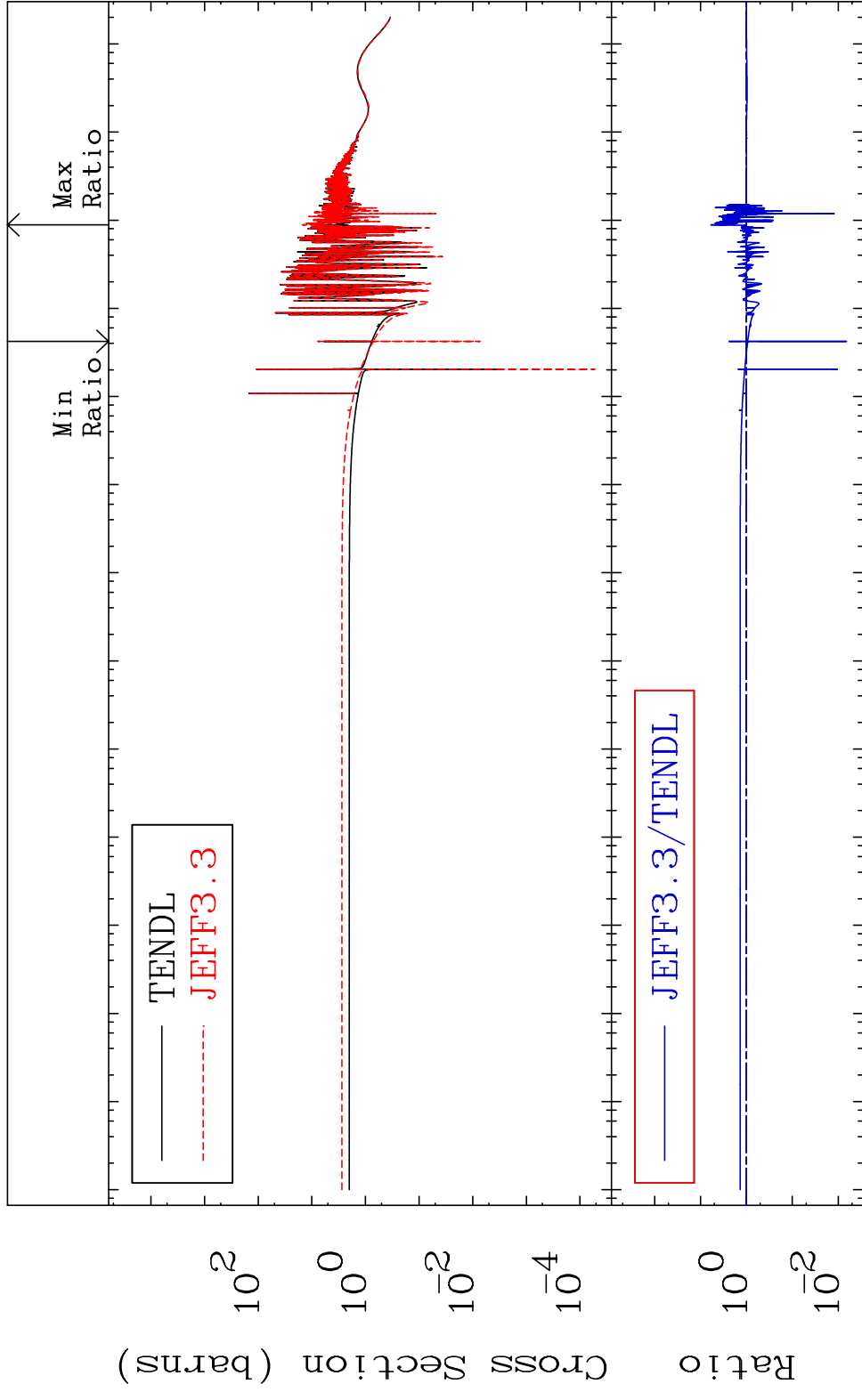
10<sup>3</sup>  
10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-1</sup>  
10<sup>0</sup>  
10<sup>-2</sup>  
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

1

Incident Energy (eV)

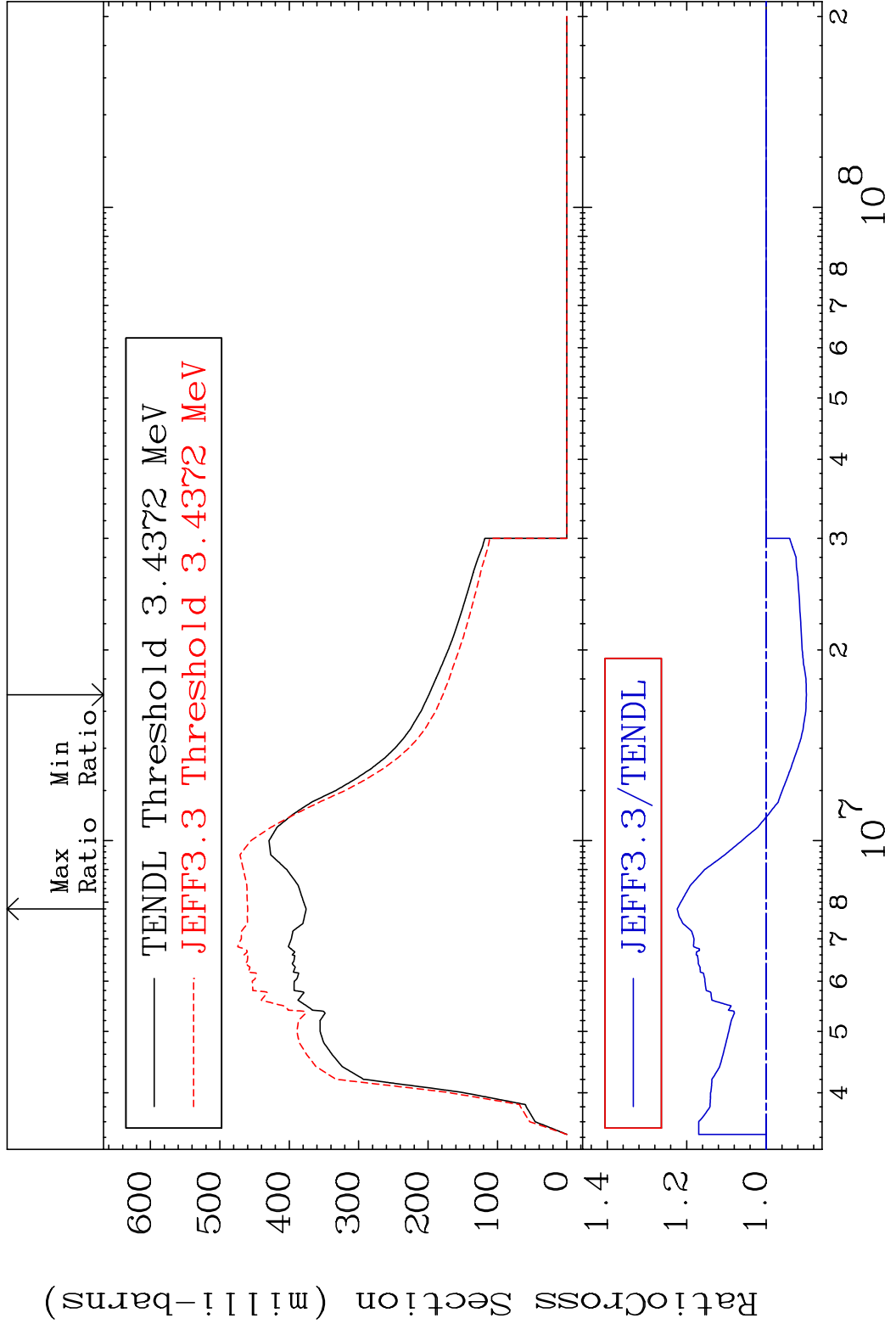
20-Ca-40

MAT 2025 Elastic Cross Section -99.33 To 501.8 % 20-Ca-40

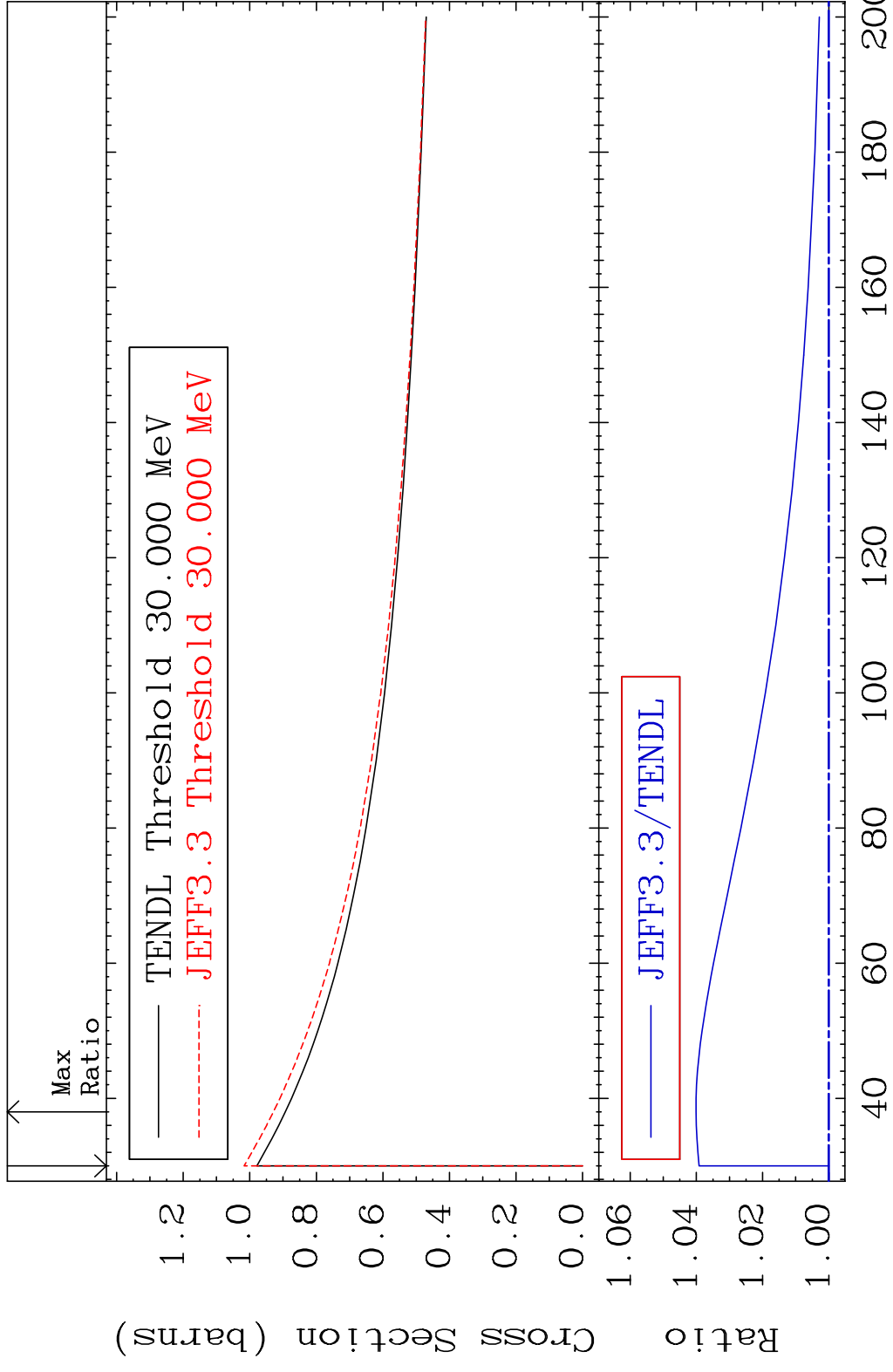


2 Incident Energy (eV) 20-Ca-40

MAT 2025 Inelastic 20-Ca-40  
 Cross Section -10.15 To 22.38 %



MAT 2025 (n, remainder) 20-Ca-40  
 Cross Section 0.000 To 4.011 %



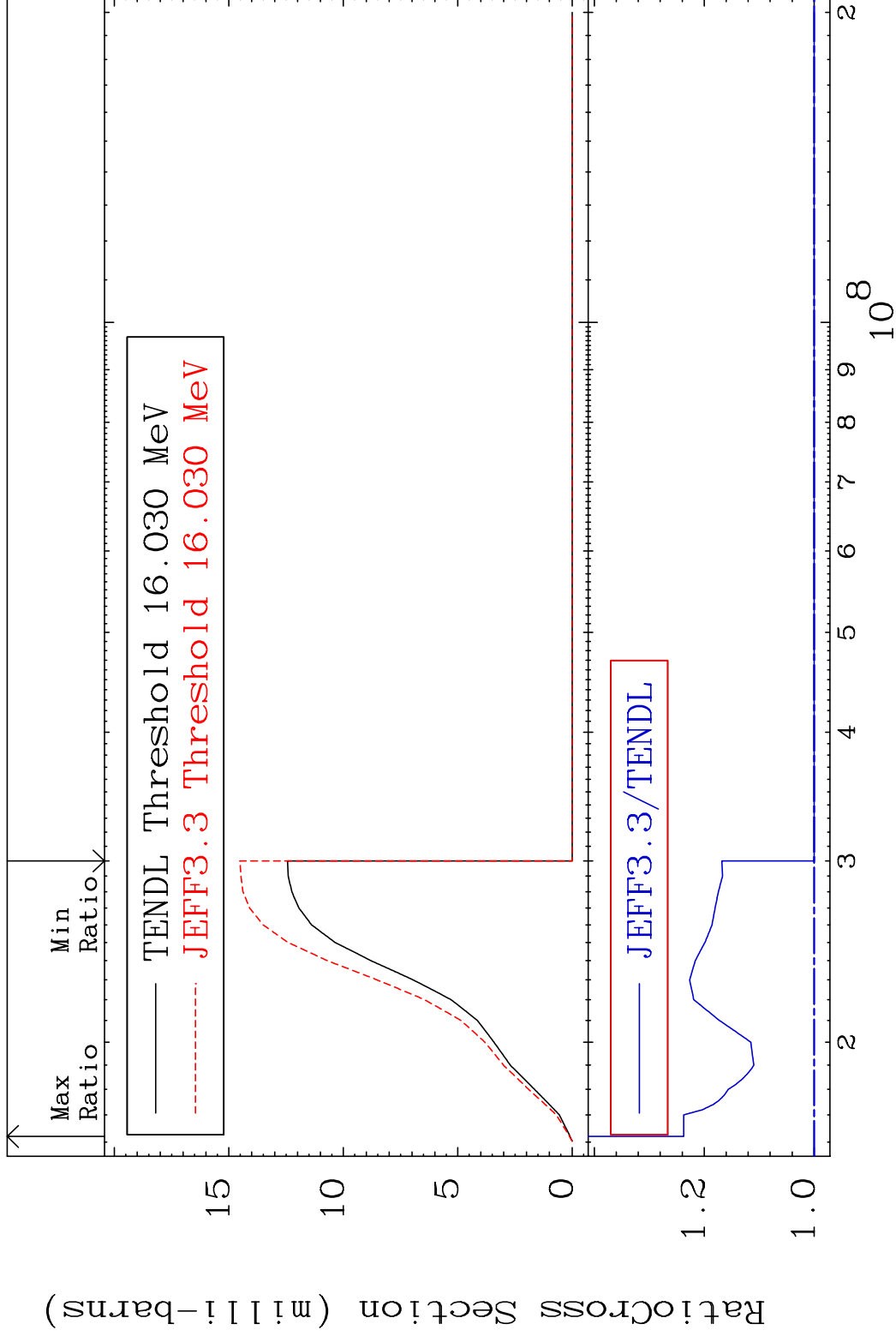
4 Incident Energy (MeV) 20-Ca-40

MAT 2025

(n,2n)

20-Ca-40

Cross Section 0.000 To 23.74 %

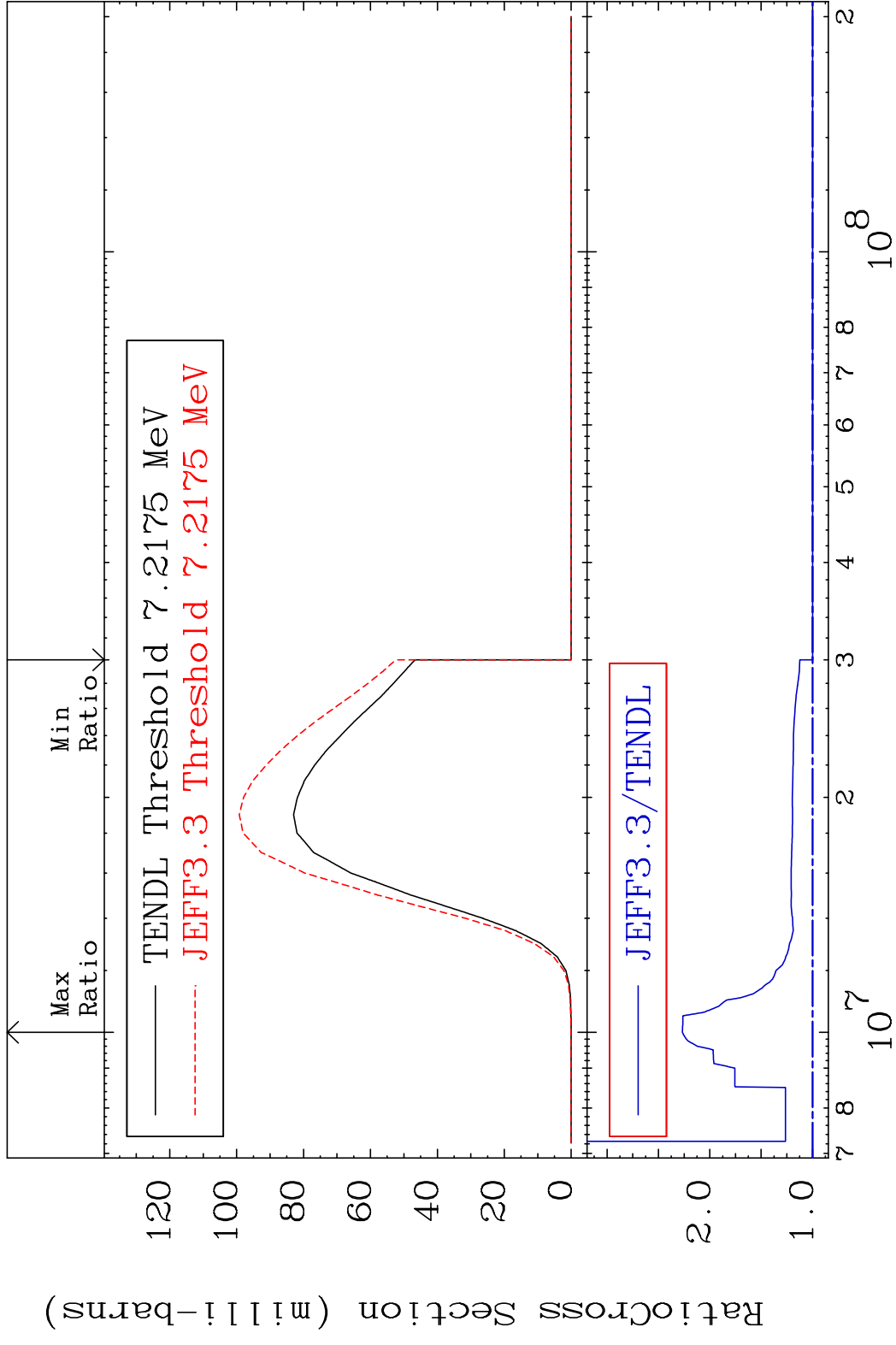


5

Incident Energy (eV)

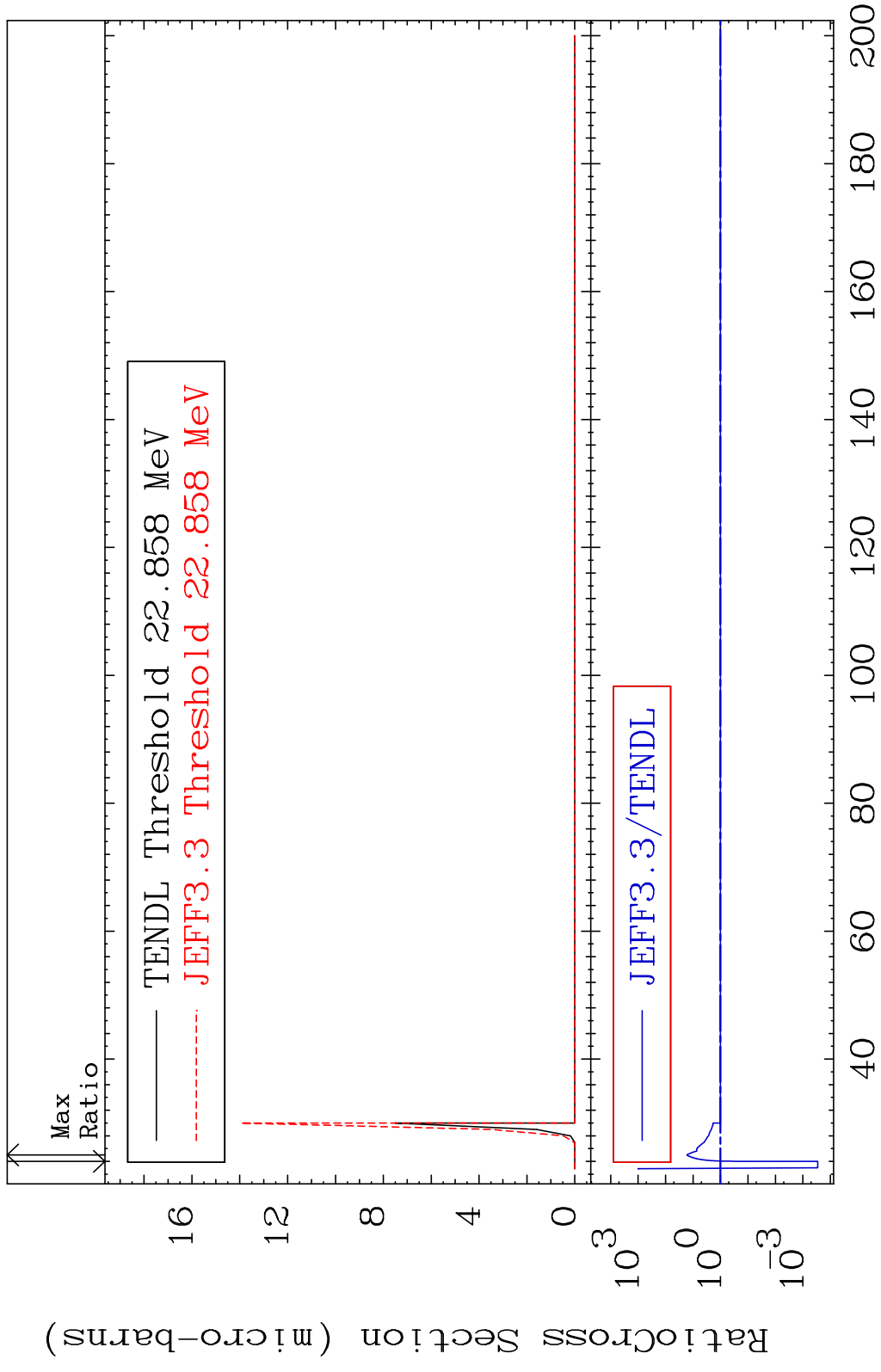
20-Ca-40

MAT 2025  $(n, n') \alpha$  20-Ca-40  
 Cross Section 0.000 To 126.7 %



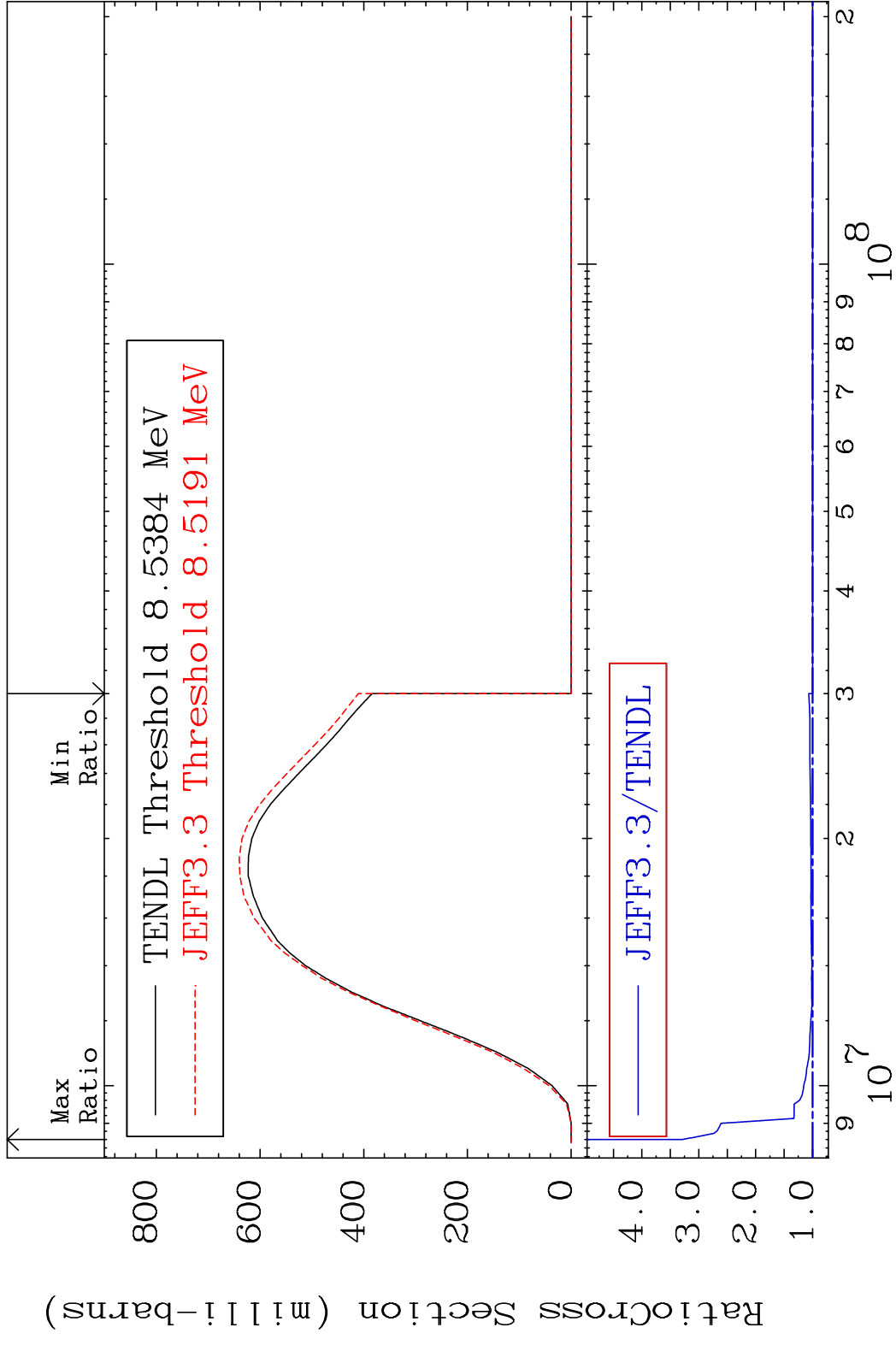
6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

MAT 2025 (n,2n)  $\alpha$  20-Ca-40  
 Cross Section -99.97 To 1610. %



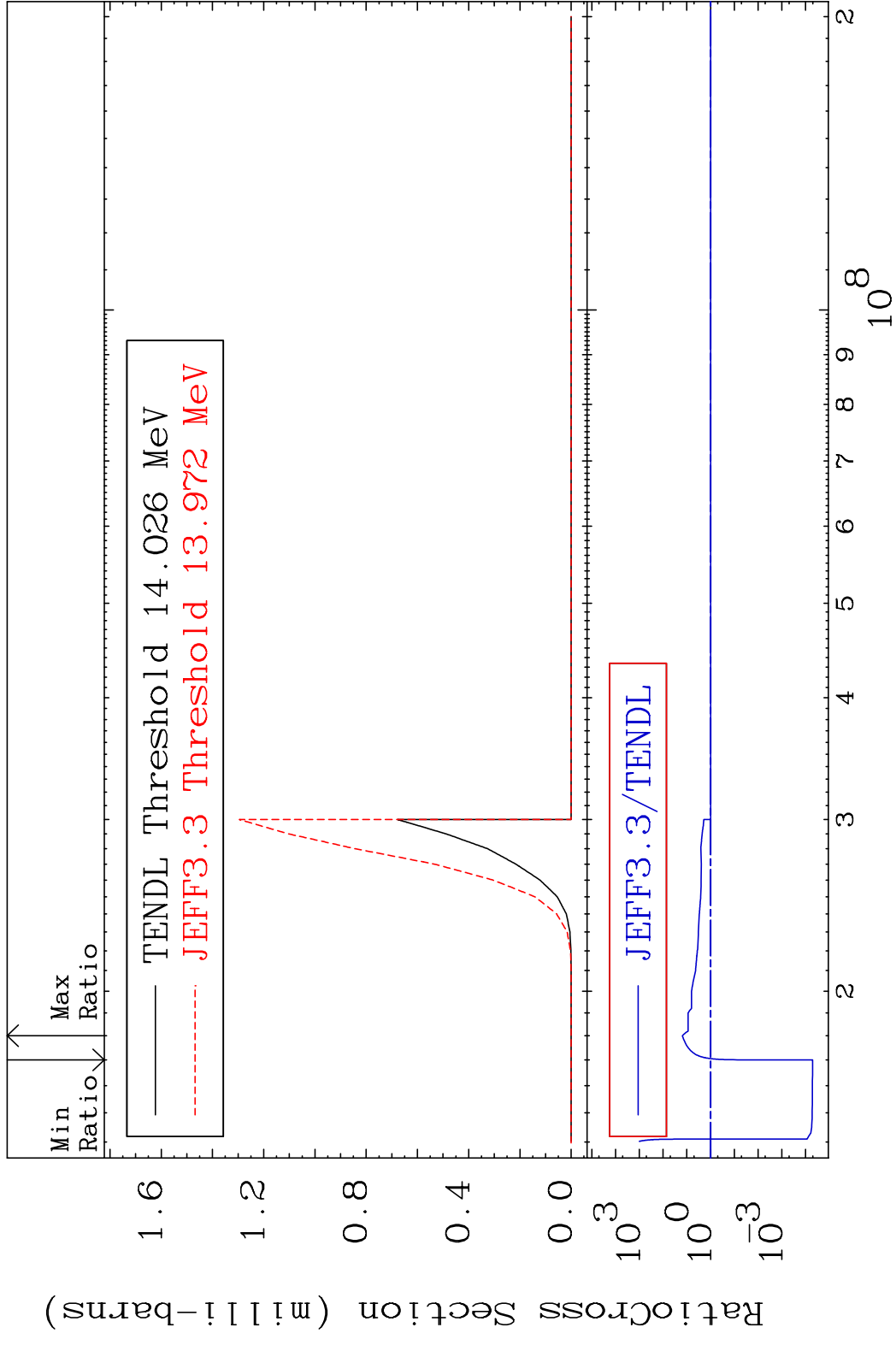


MAT 2025 (n, n') p 20-Ca-40  
 Cross Section 0.000 To 228.9 %



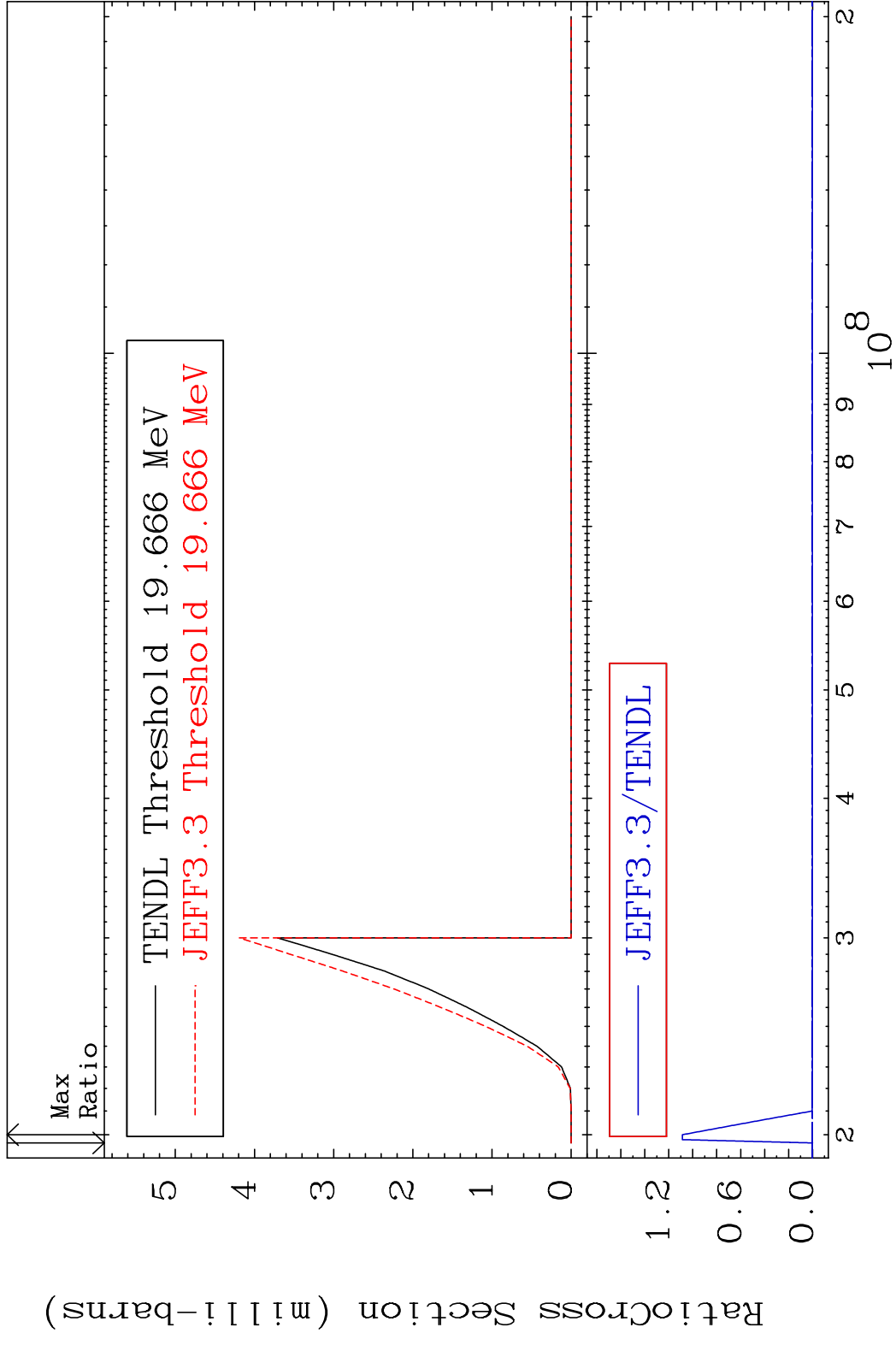
8 9 10 7 10 8 2

MAT 2025 (n, n') 2α 20-Ca-40  
 Cross Section -99.99 To 1443. %



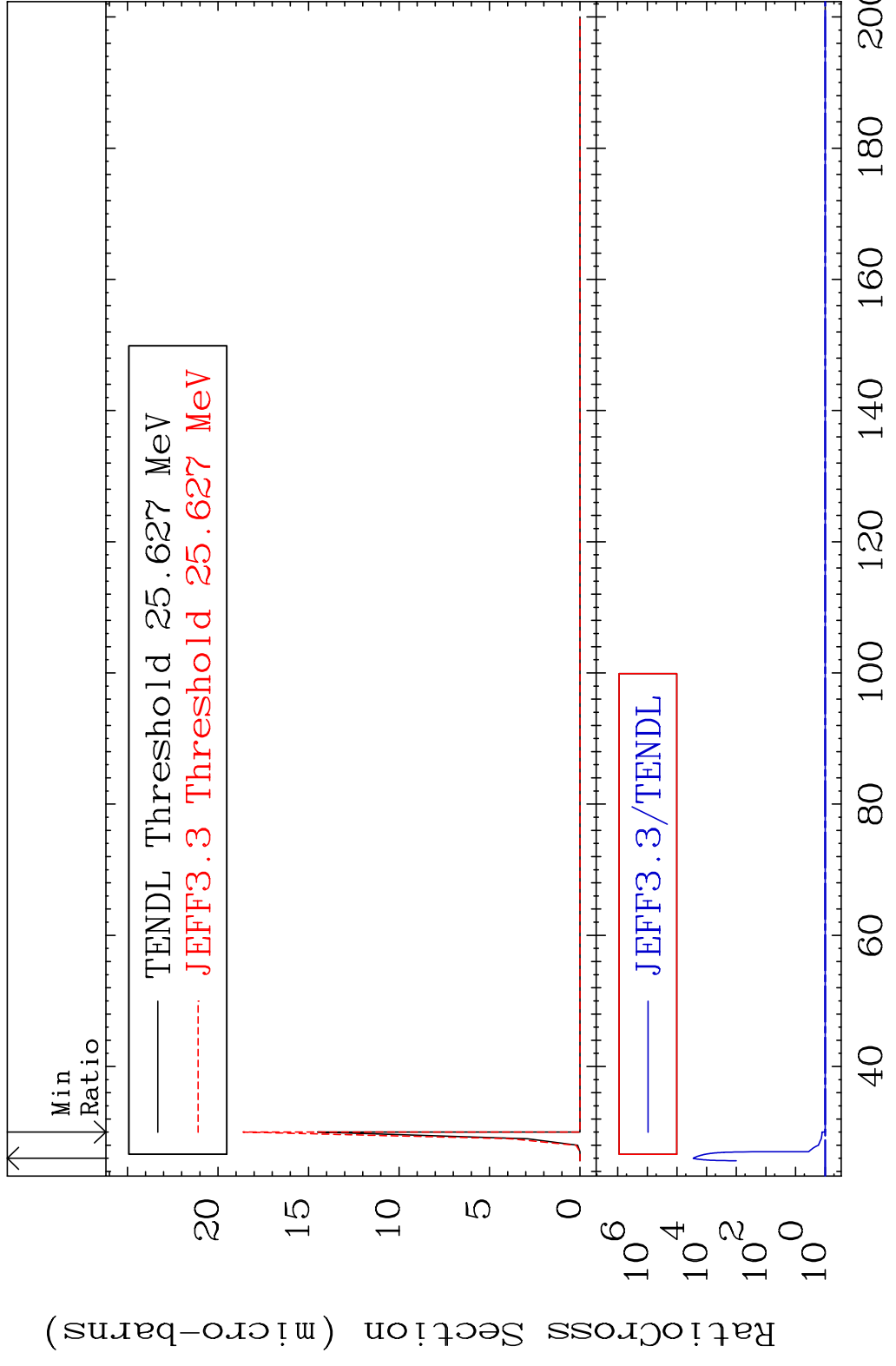
9 Incident Energy (eV) 20-Ca-40

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

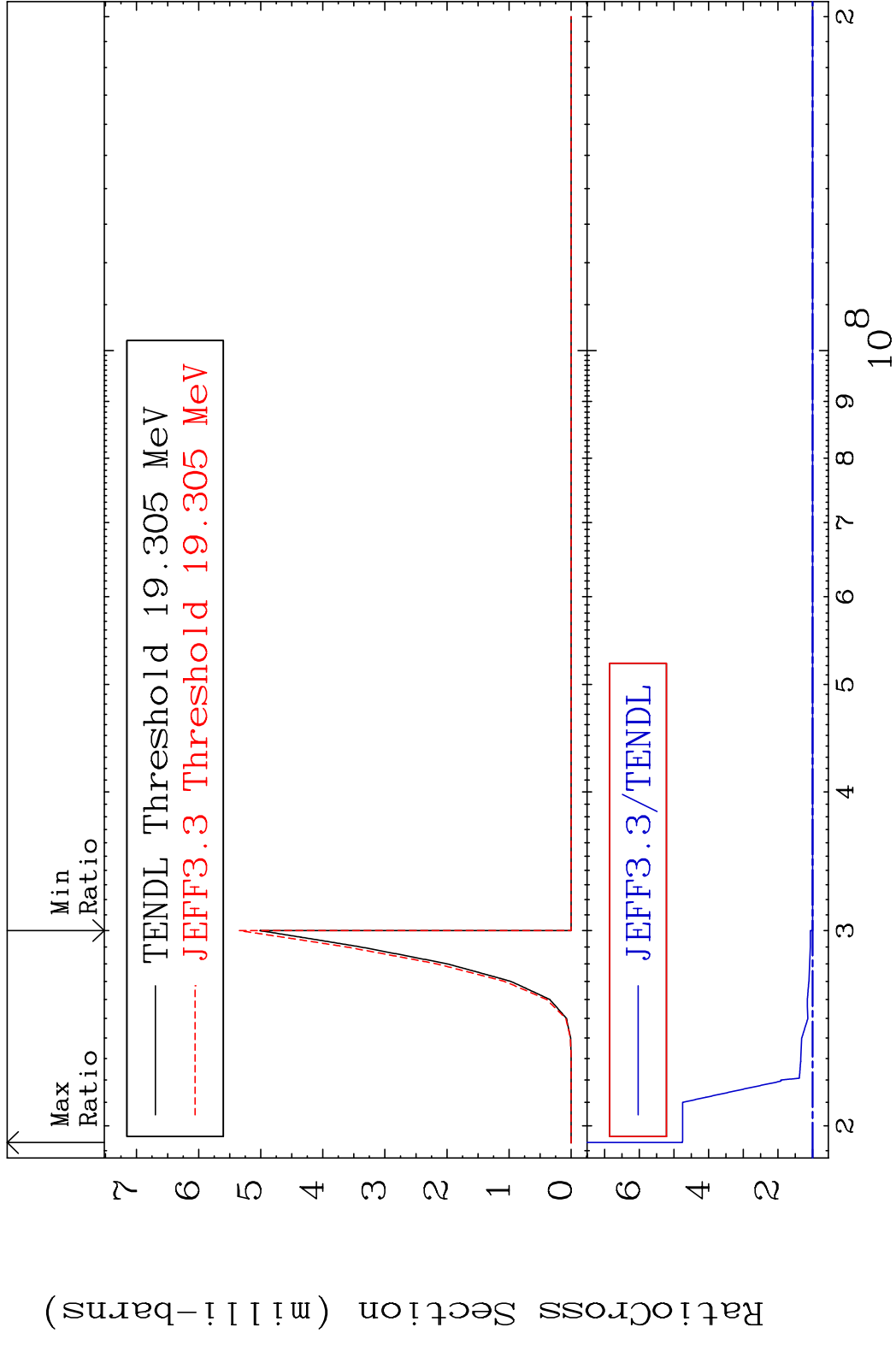


10 Incident Energy (eV) 20-Ca-40

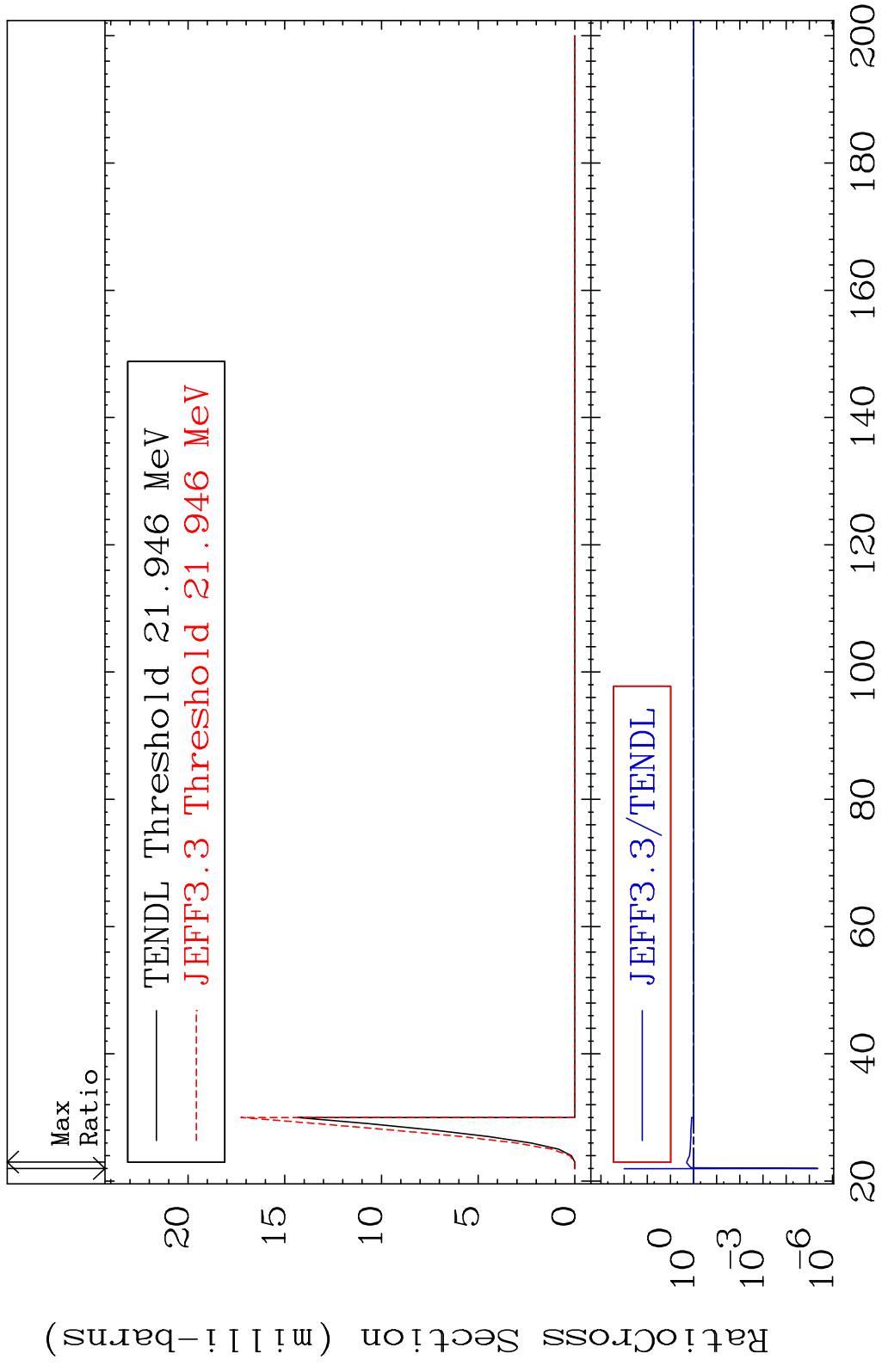
MAT 2025 (n, n') t 20-Ca-40  
 Cross Section 0.000 To 9999. %



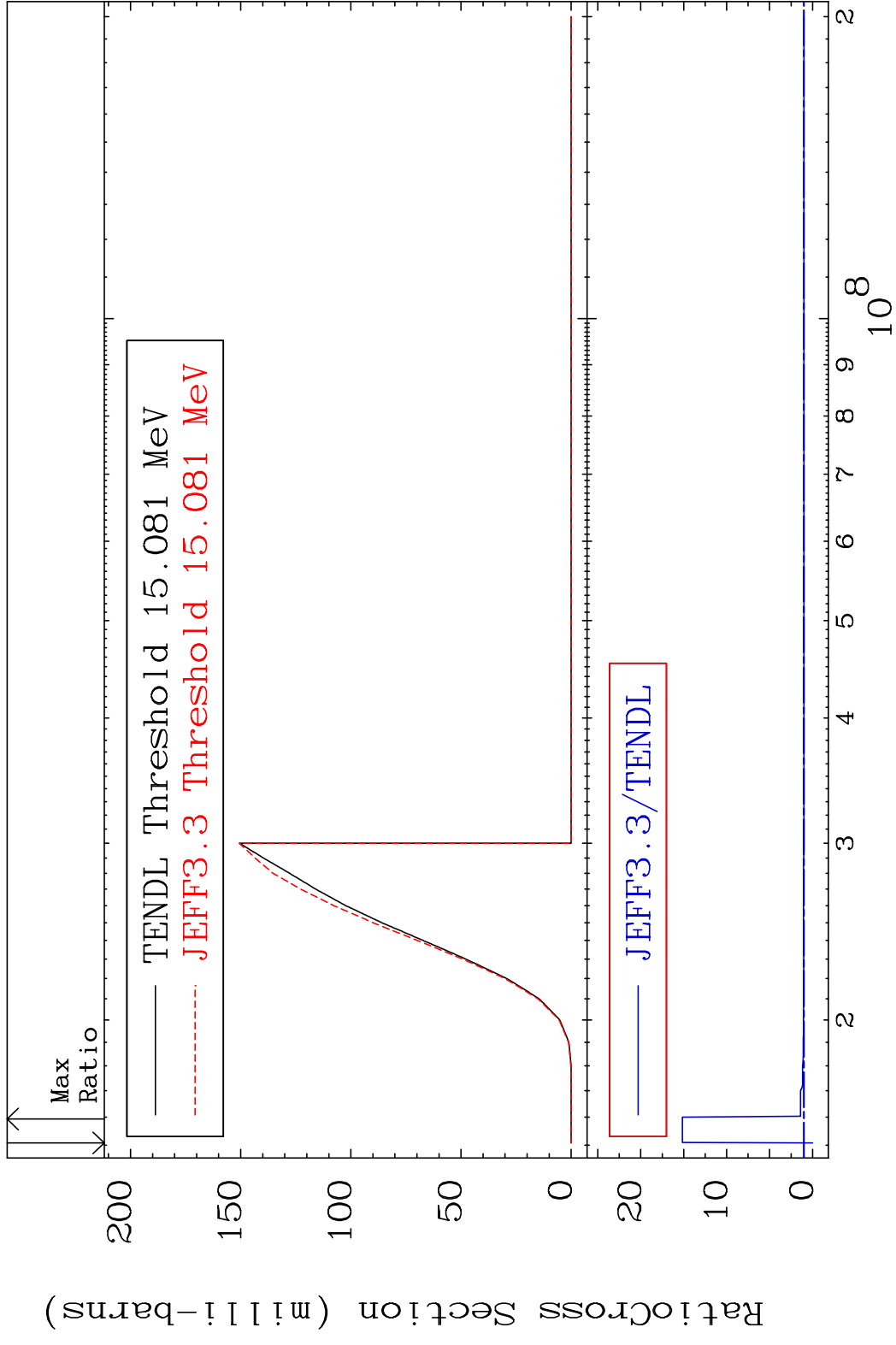
MAT 2025 (n,n') He-3 20-Ca-40  
 Cross Section 0.000 To 375.9 %



MAT 2025 (n,2n) p 20-Ca-40  
 Cross Section -100.0 To 96.91 %

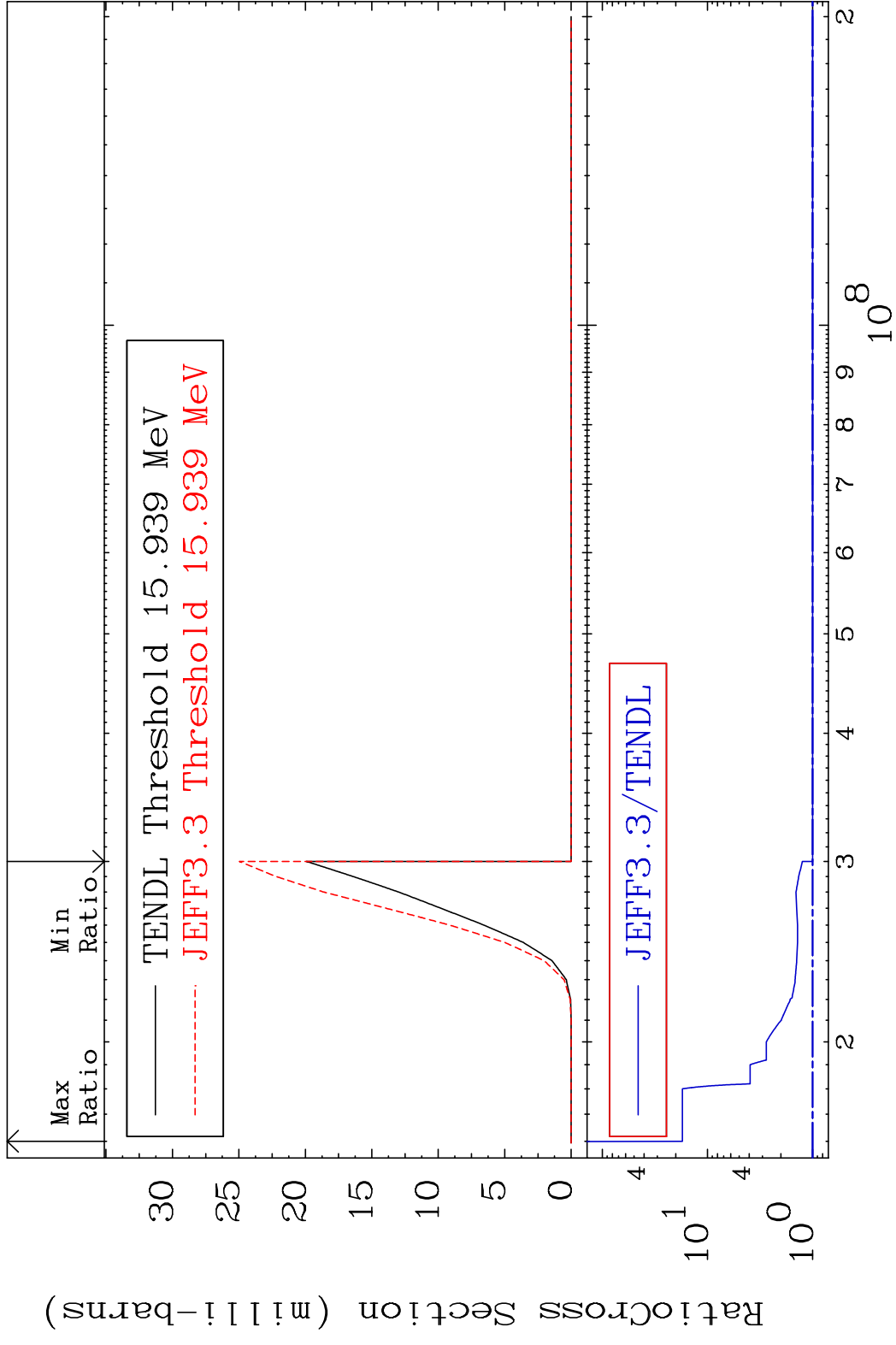


MAT 2025 (n,2n) p 20-Ca-40  
 Cross Section -100.0 To 1416. %



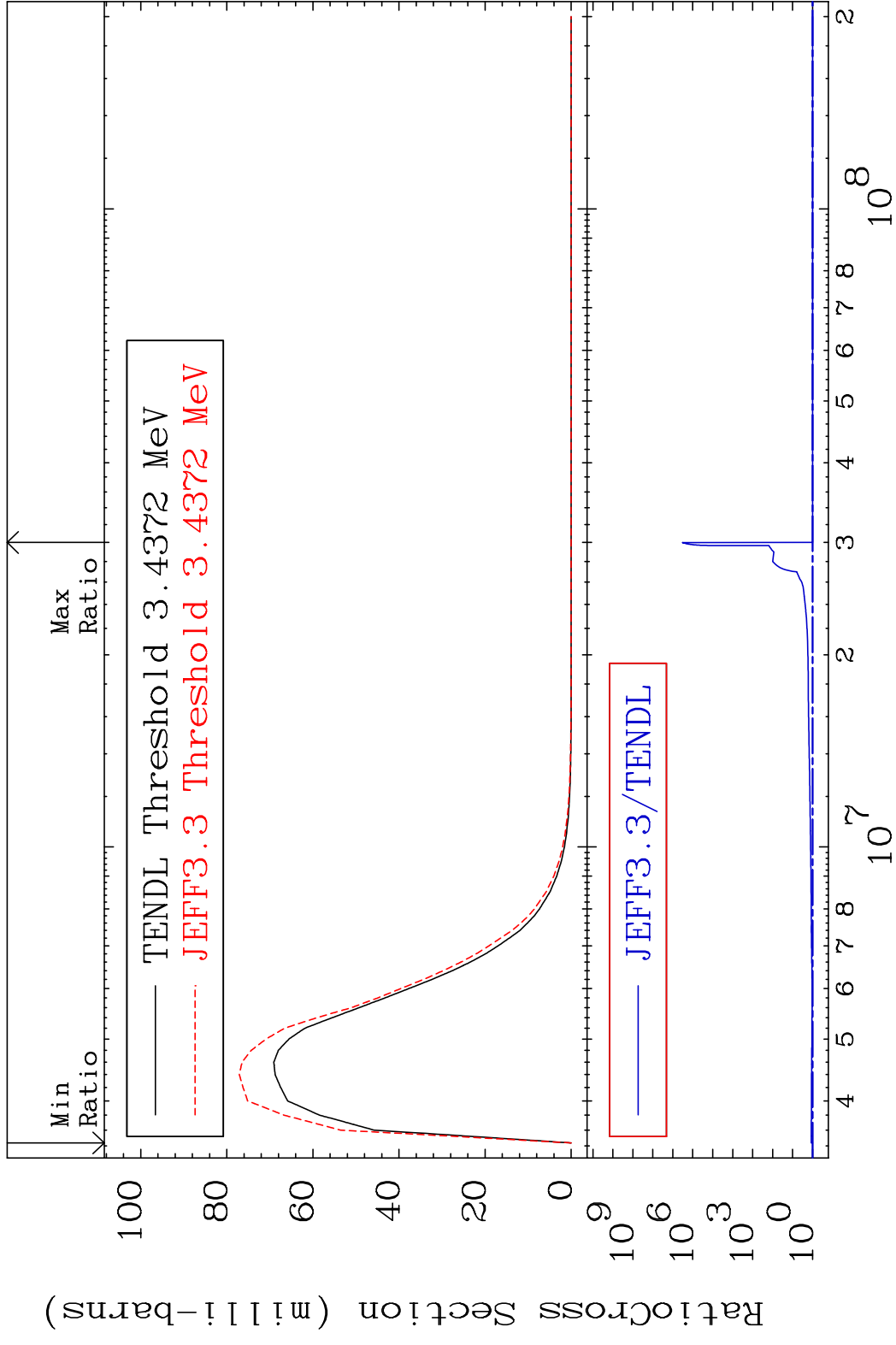
14 Incident Energy (eV) 20-Ca-40

MAT 2025 (n,n') p α 20-Ca-40  
 Cross Section 0.000 To 1632. %



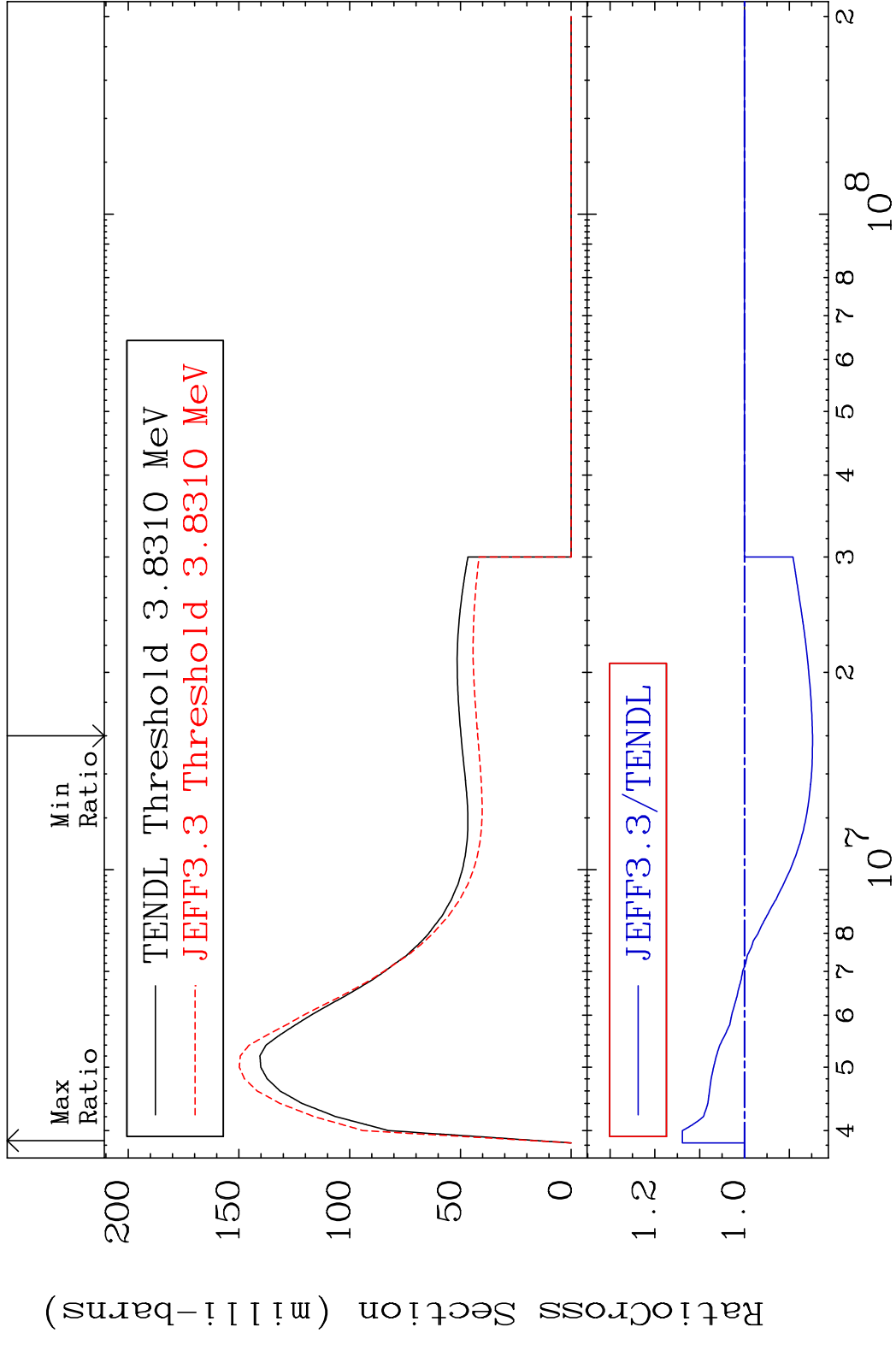


MAT 2025 MT= 51 (n, n') Level 20-Ca-40  
 Cross Section 0.000 To 9999. %

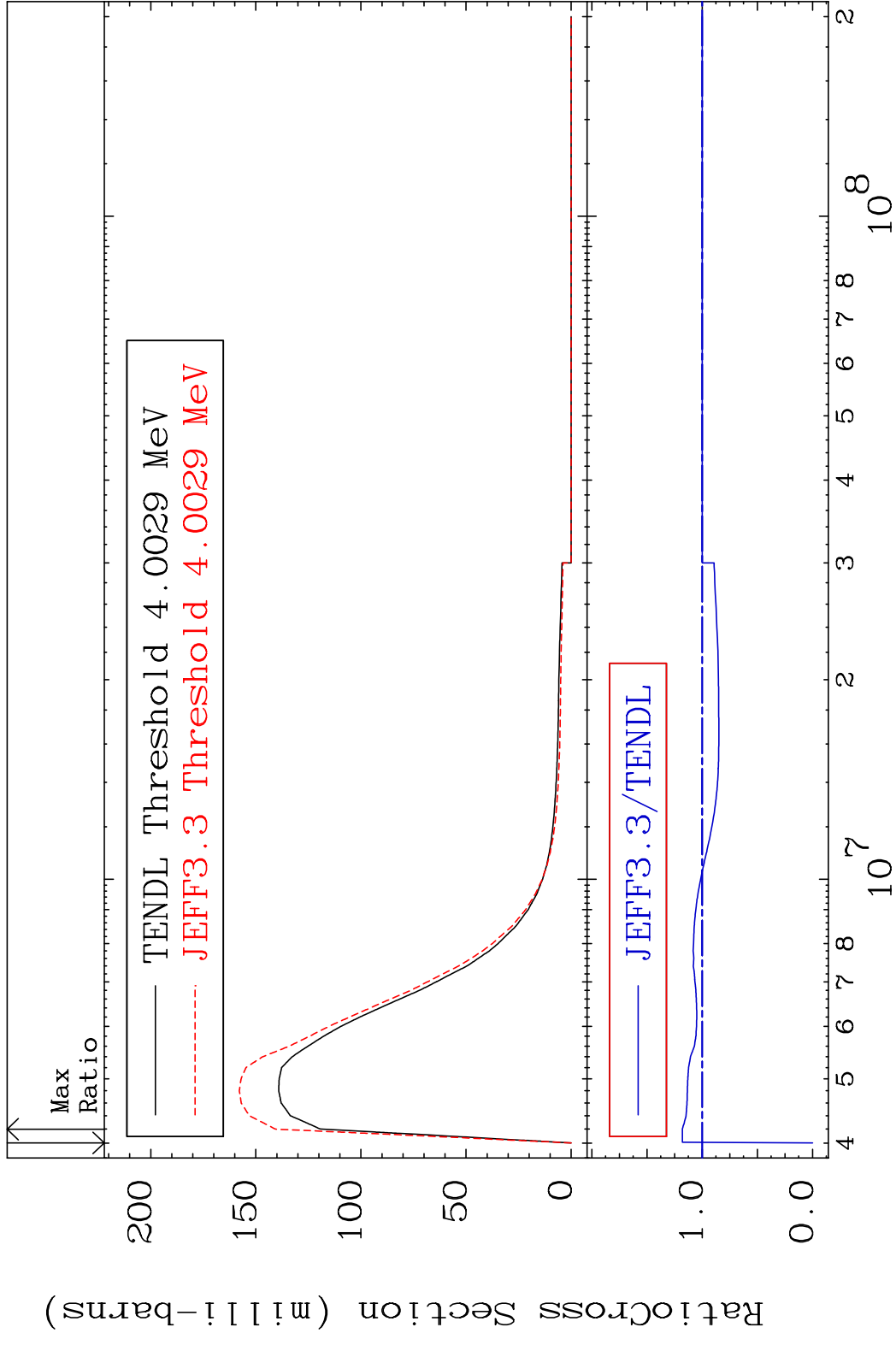


16 Incident Energy (eV) 20-Ca-40

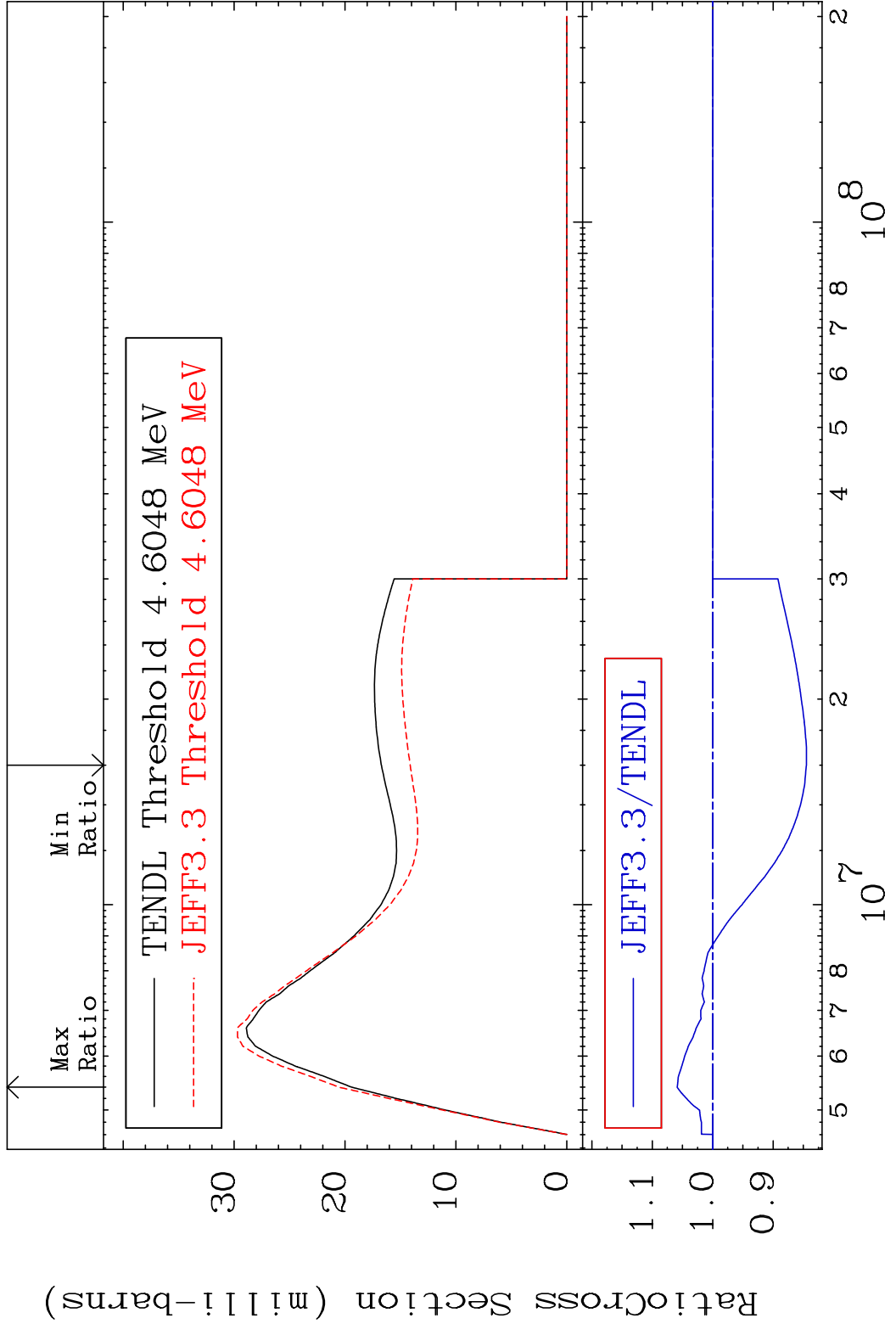
MAT 2025 MT= 52 (n, n') Level 20-Ca-40  
 Cross Section -15.19 To 13.87 %



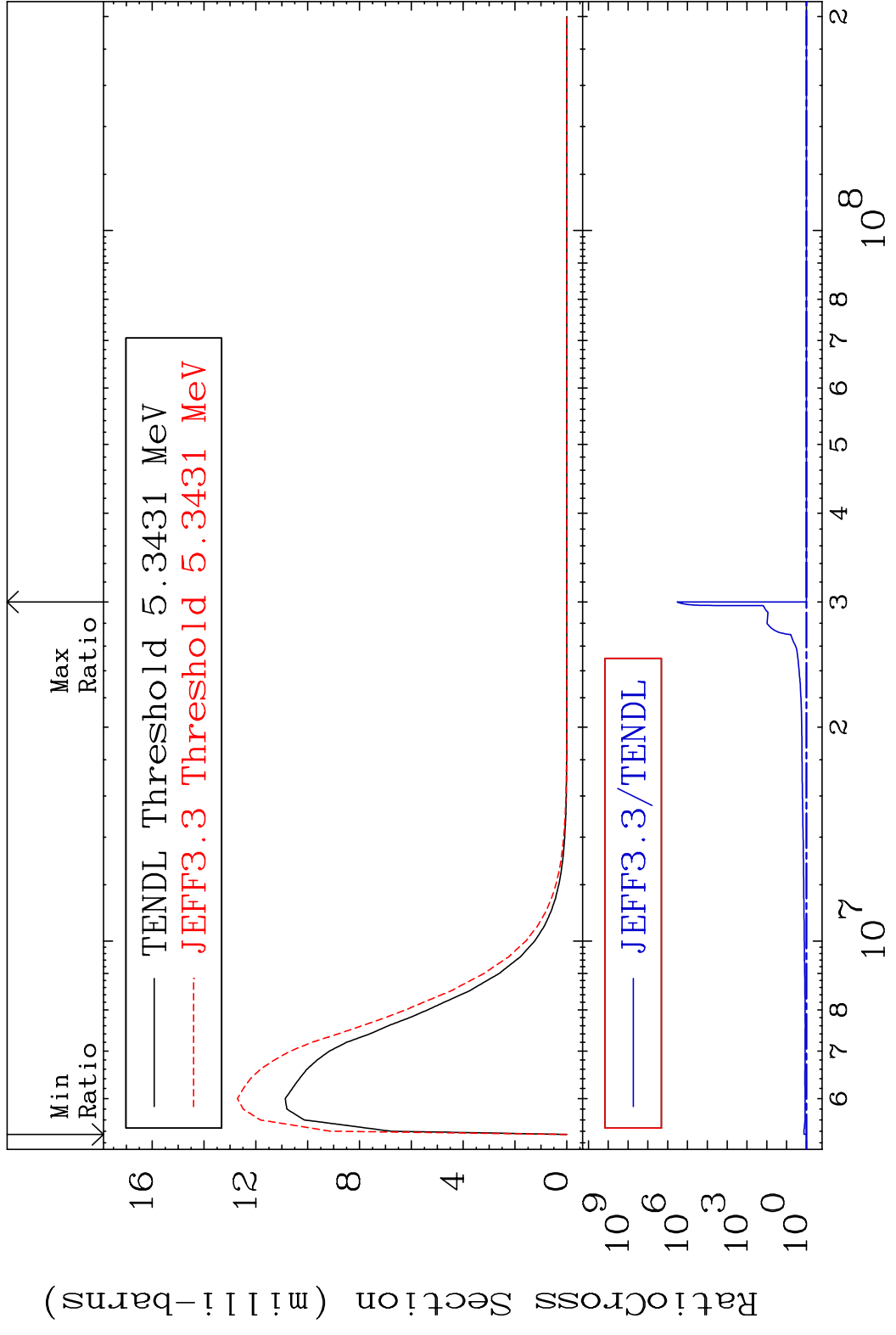
MAT 2025 MT= 53 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 17.98 %



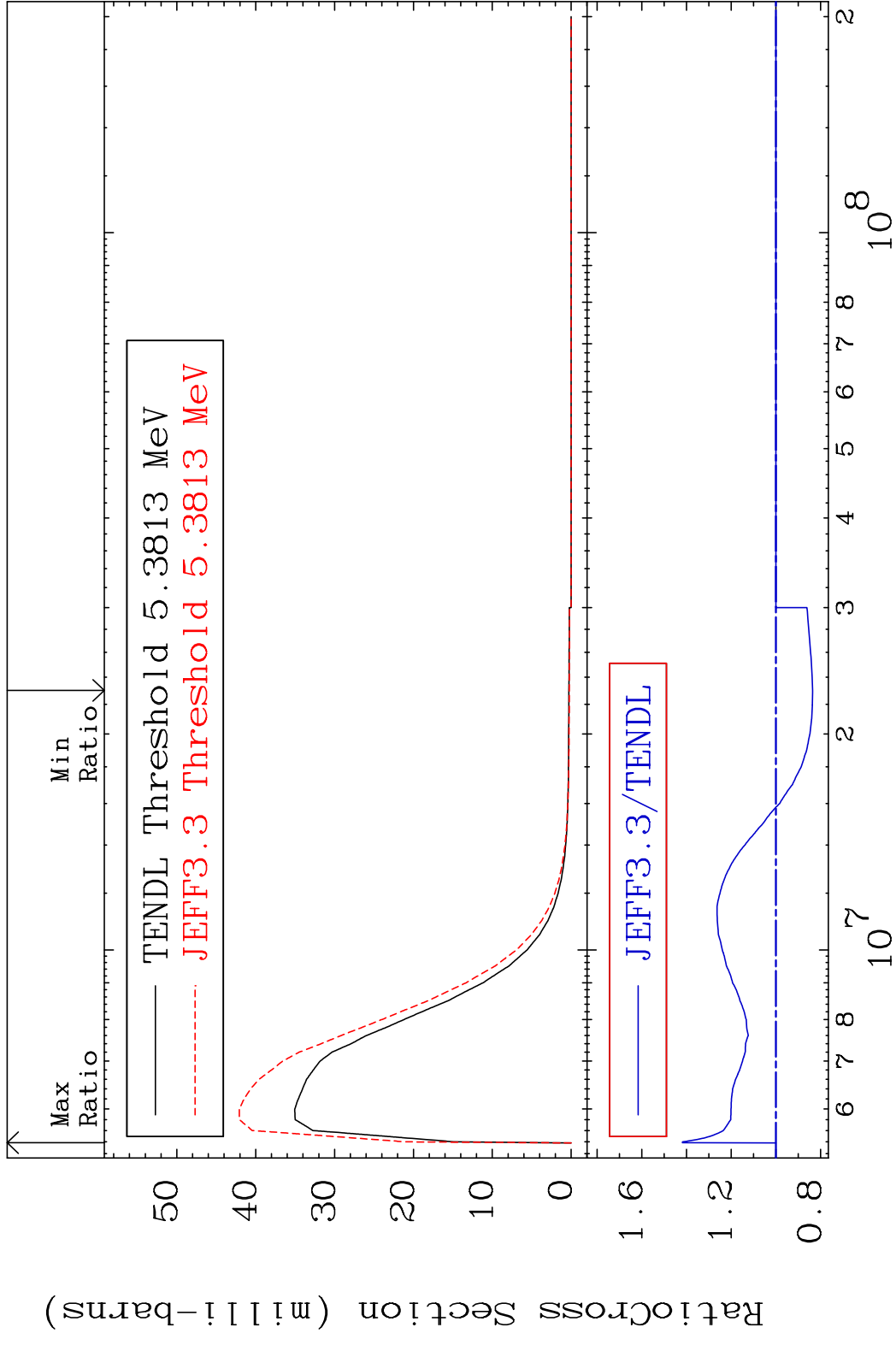
MAT 2025 MT= 54 (n, n') Level 20-Ca-40  
 Cross Section -15.52 To 5.874 %



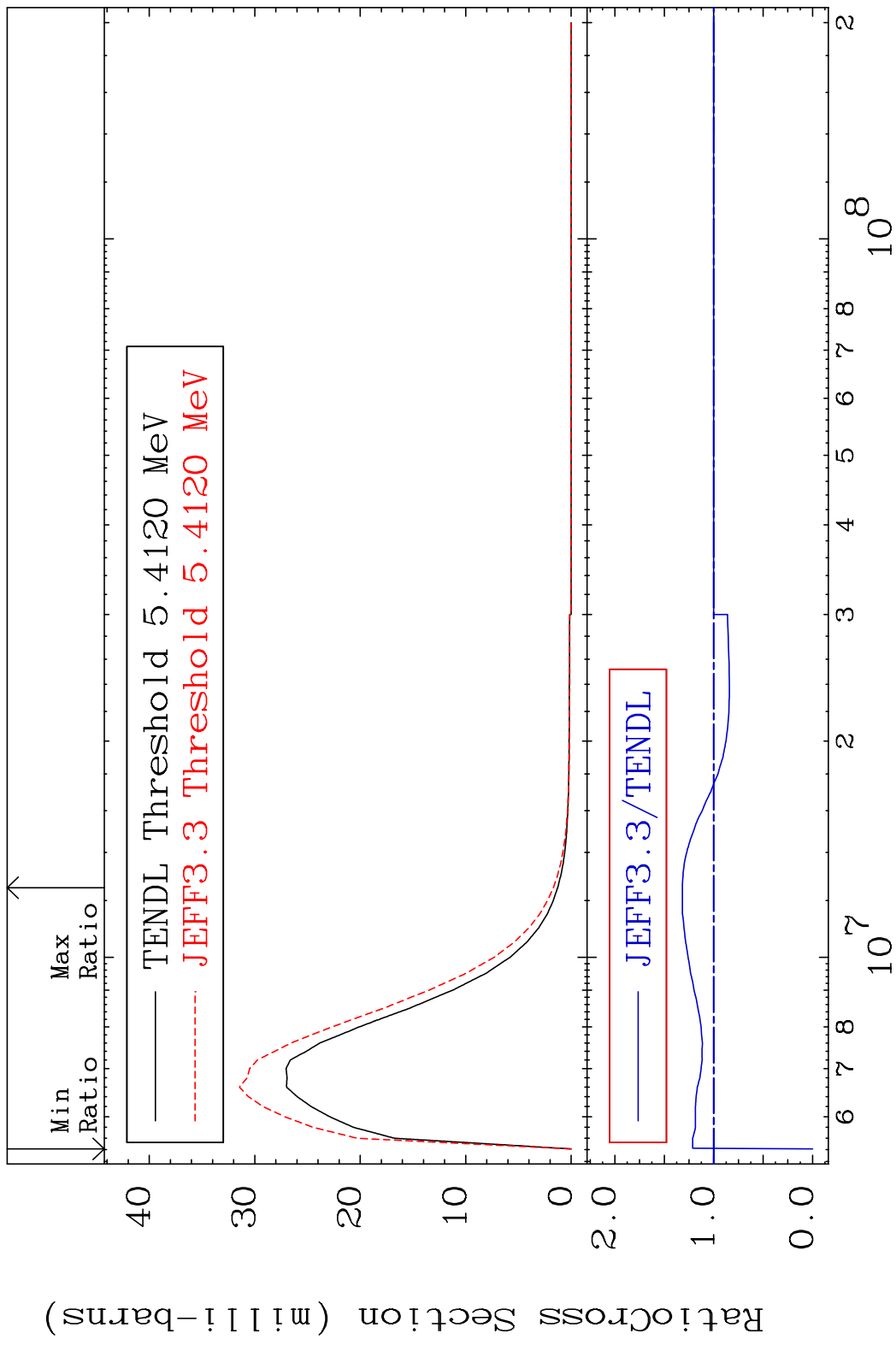
MAT 2025 MT= 55 (n, n') Level 20-Ca-40  
 Cross Section 0.000 To 9999. %



MAT 2025 MT= 56 (n,n') Level 20-Ca-40  
 Cross Section -16.45 To 41.85 %

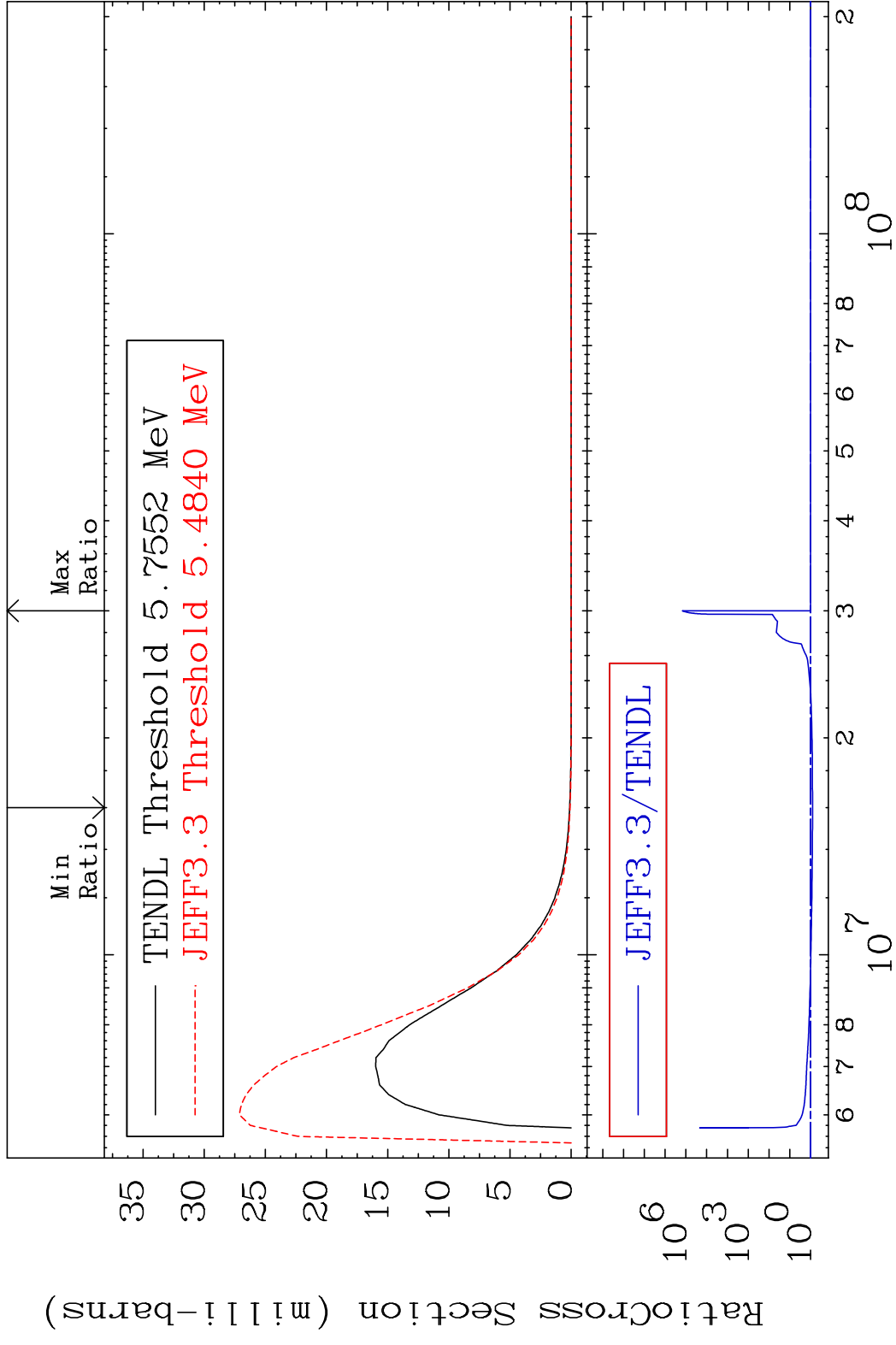


MAT 2025 MT= 57 (n,n') Level 20-Ca-40  
 Cross Section -100.0 To 31.73 %



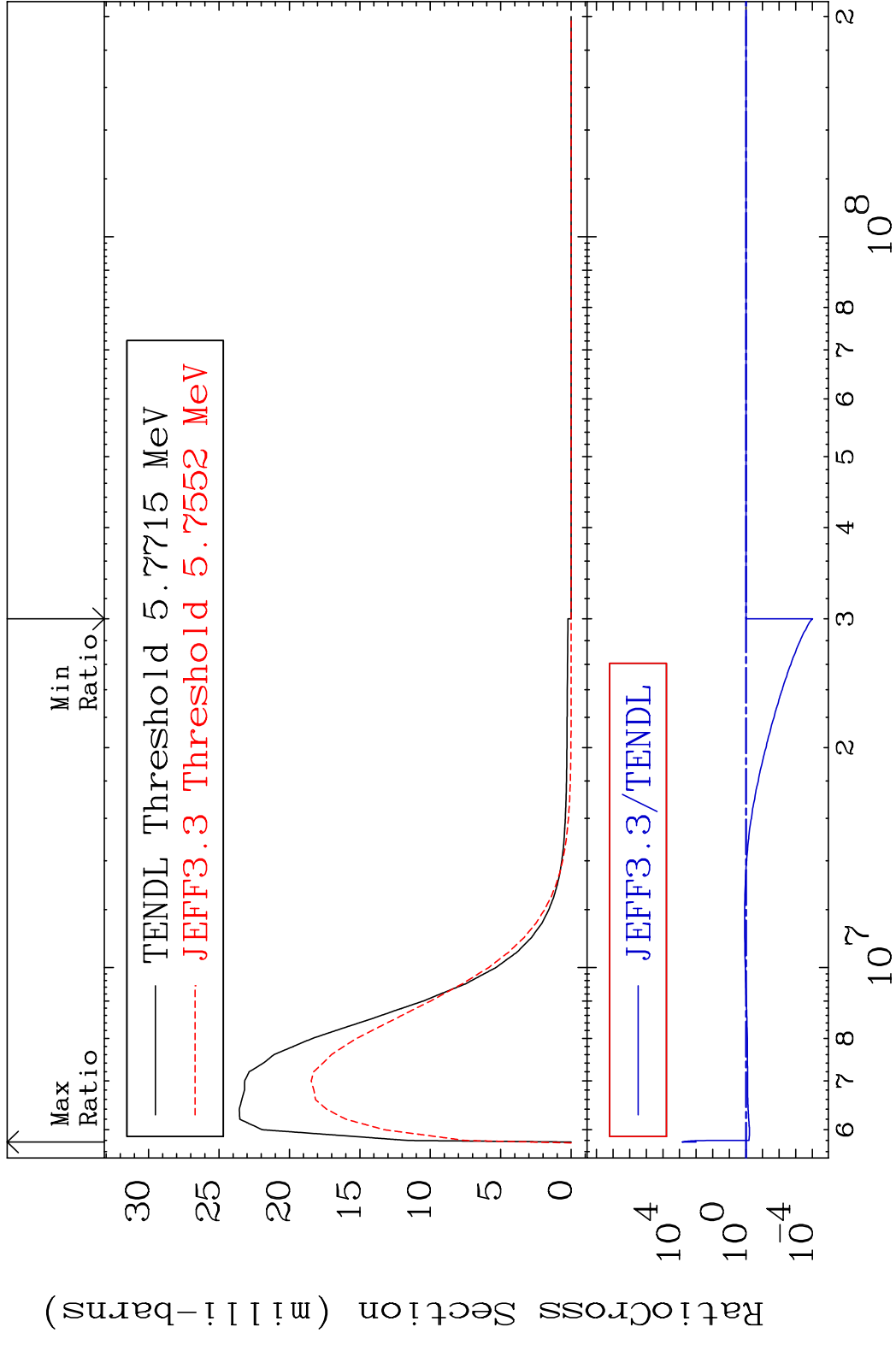
22 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 58 (n, n') Level 20-Ca-40  
 Cross Section -20.69 To 9999. %

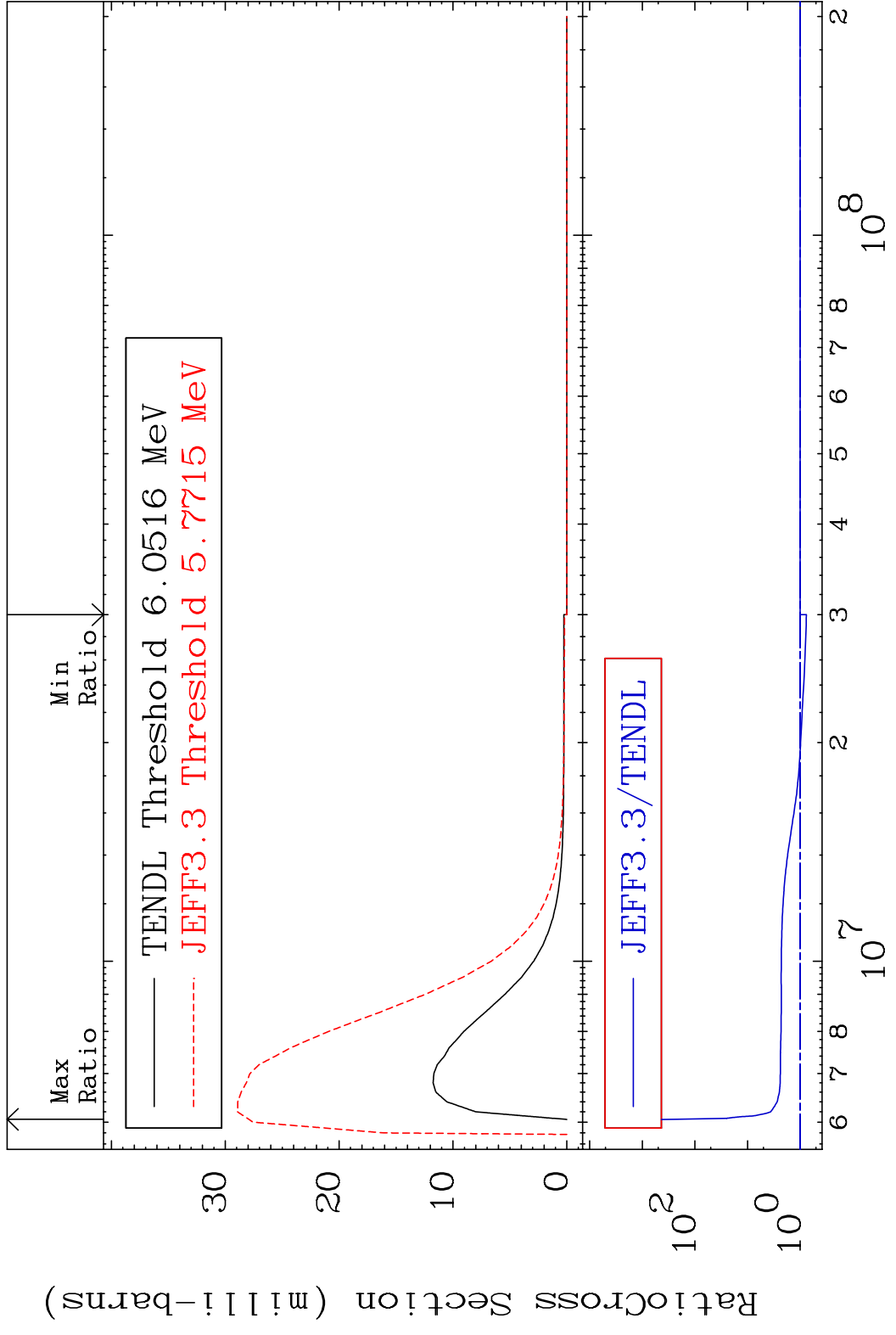




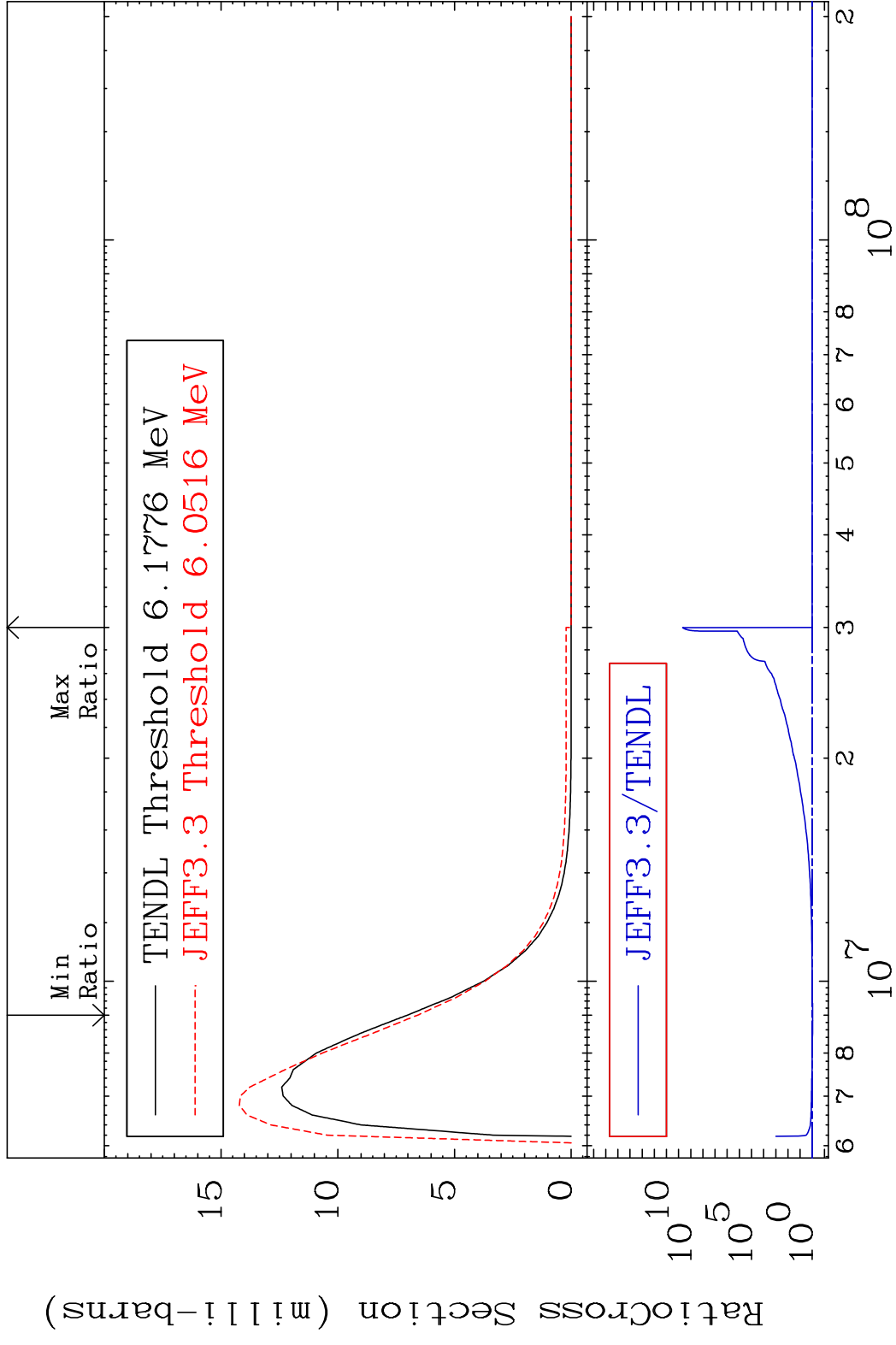
MAT 2025 MT= 59 (n,n') Level 20-Ca-40  
 Cross Section -99.99 To 9999. %



MAT 2025 MT= 60 (n,n') Level 20-Ca-40  
 Cross Section -23.81 To 9999. %

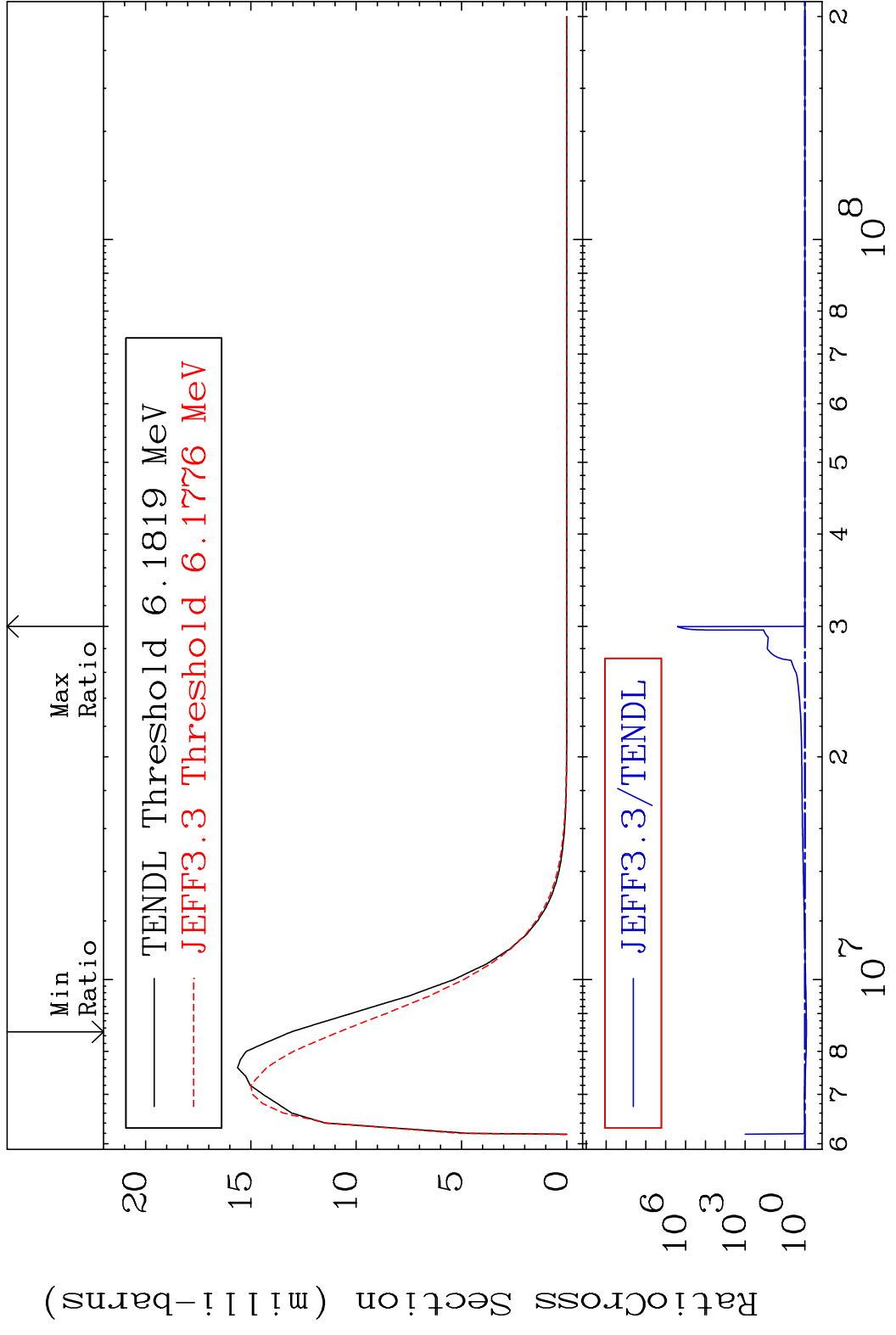


MAT 2025 MT= 61 (n, n') Level 20-Ca-40  
 Cross Section -6.316 To 9999. %



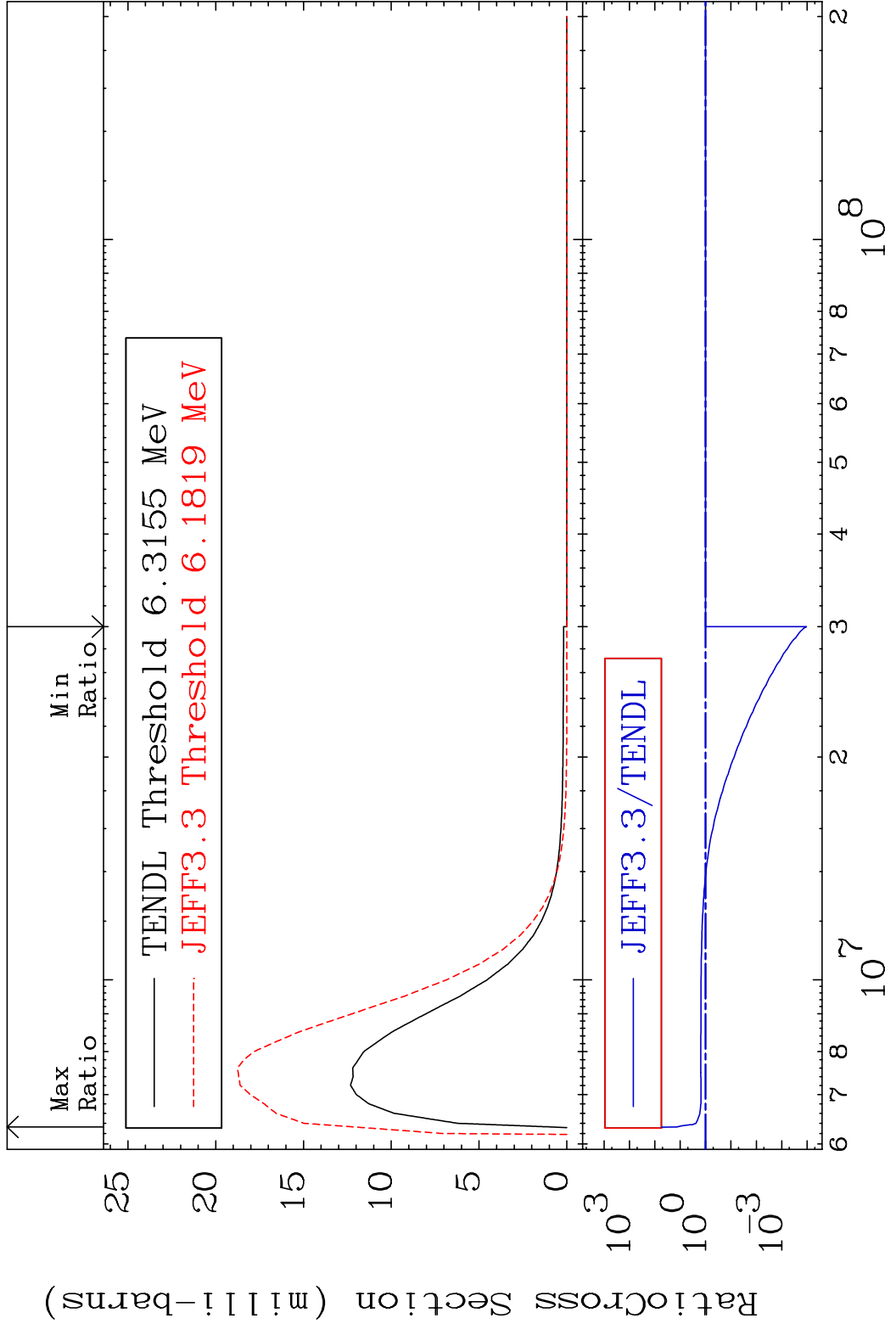
26 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 62 (n, n') Level 20-Ca-40  
 Cross Section -17.30 To 9999. %



27 Incident Energy (eV) 20-Ca-40

MAT 2025 MT= 63 (n, n') Level 20-Ca-40  
 Cross Section -99.99 To 1215. %

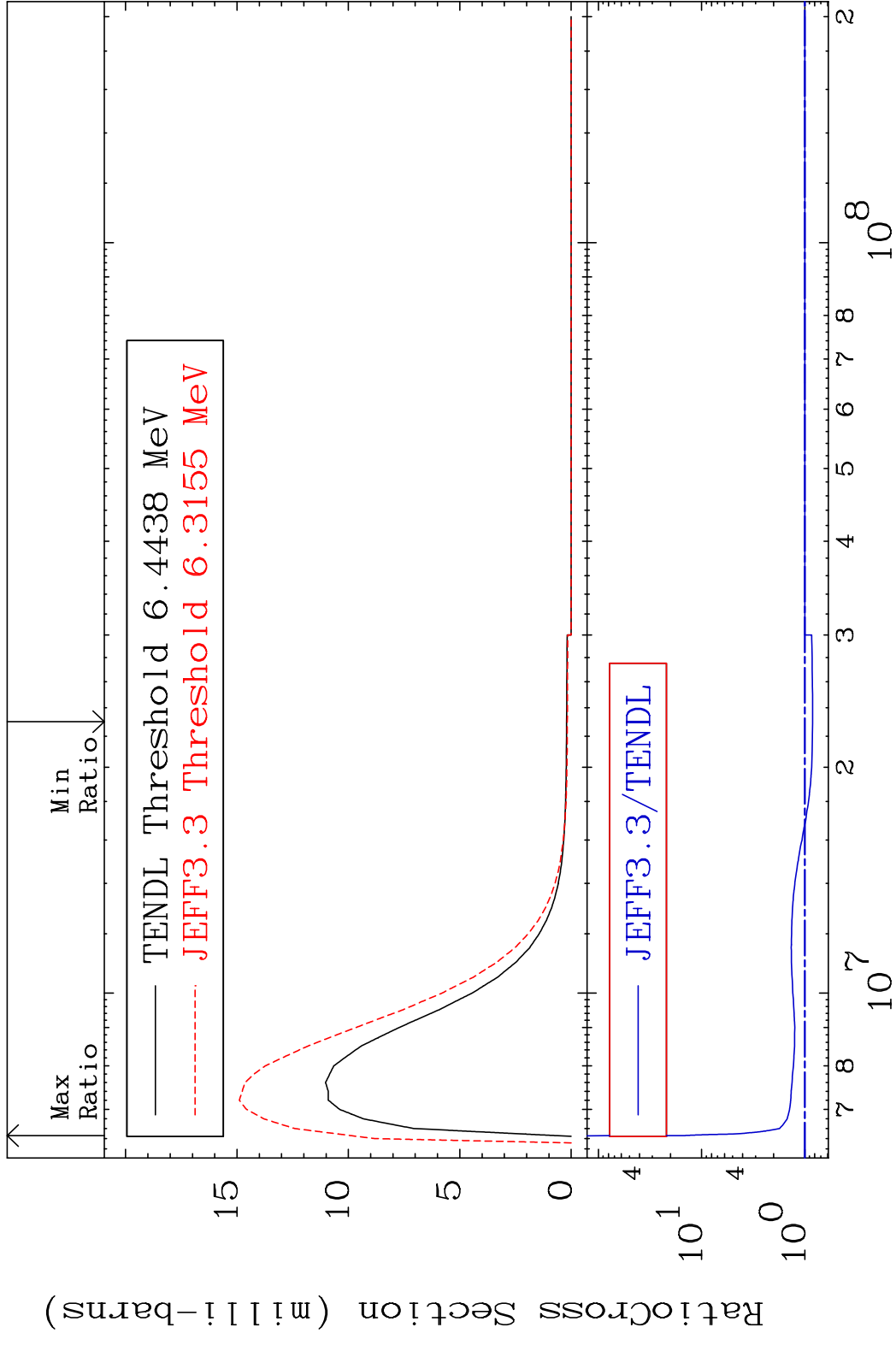


MAT 2025

MT= 64 (n,n') Level

20-Ca-40

Cross Section -15.96 To 1436. %

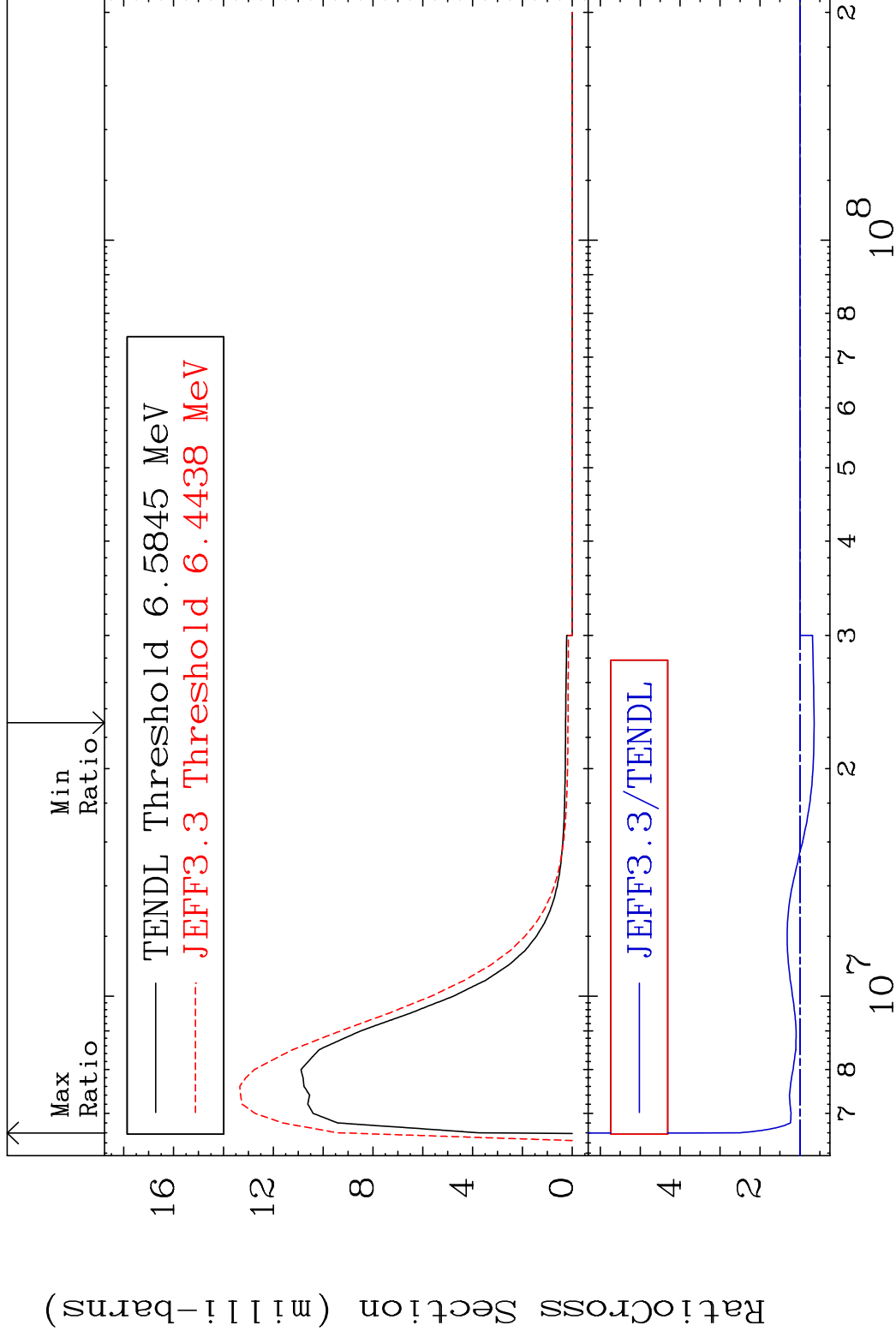


MAT 2025

MT= 65 (n,n') Level

20-Ca-40

Cross Section -35.41 To 291.1 %

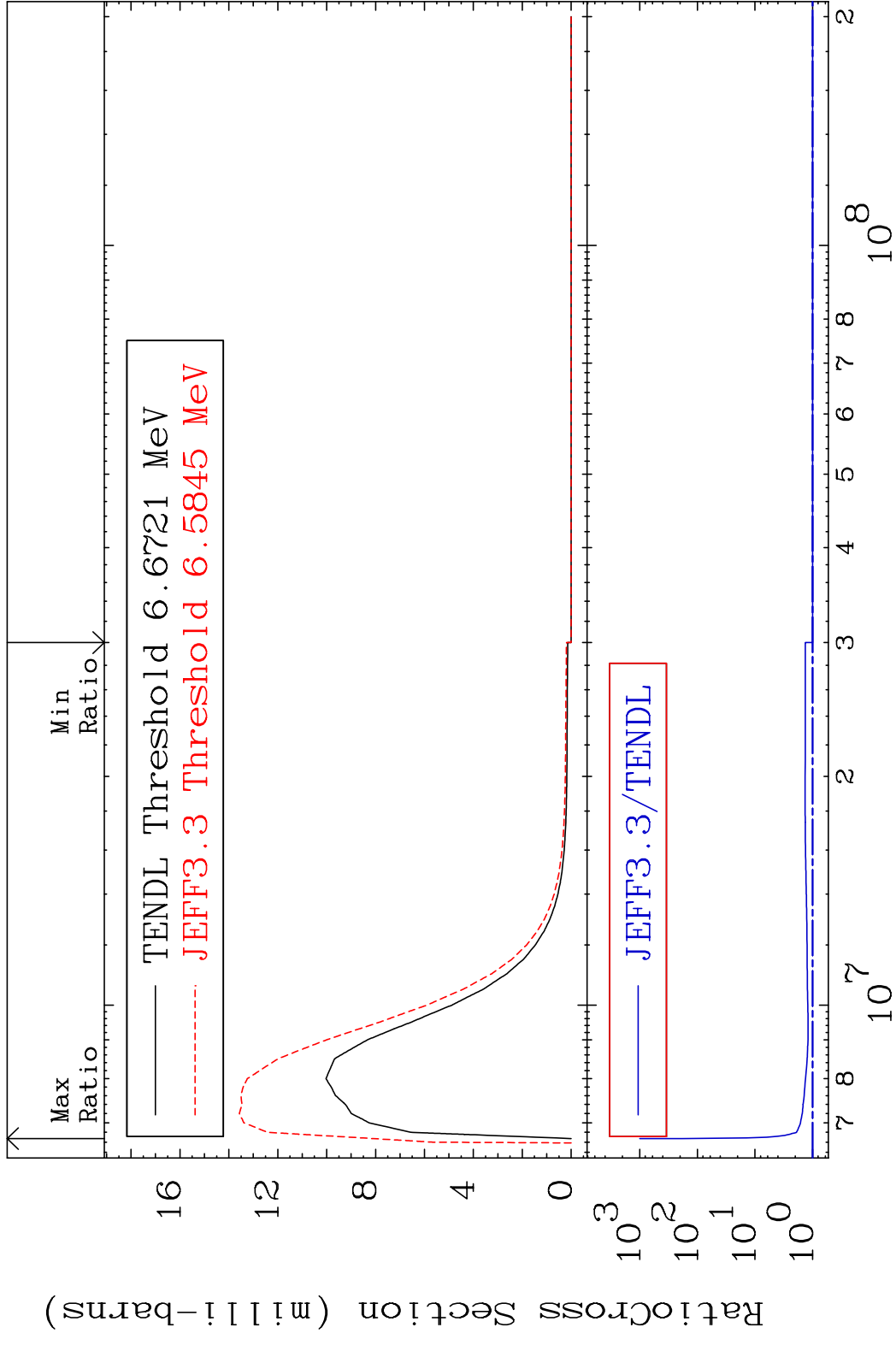


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Incident Energy (eV)

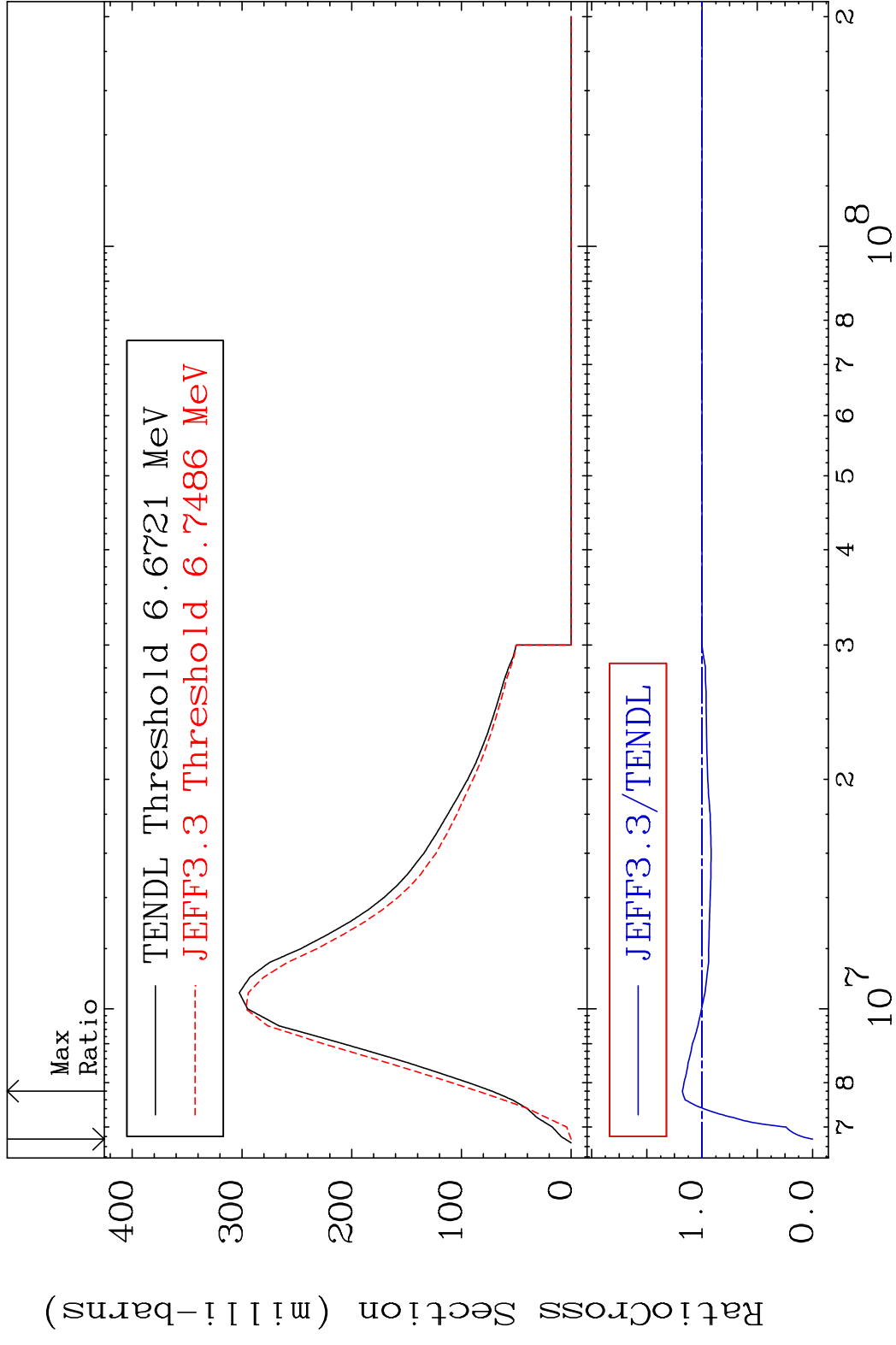
20-Ca-40

MAT 2025 MT= 66 (n,n') Level 20-Ca-40  
 Cross Section 0.000 To 9999. %





MAT 2025 (n,n') Continuum 20-Ca-40  
 Cross Section -100.0 To 17.82 %



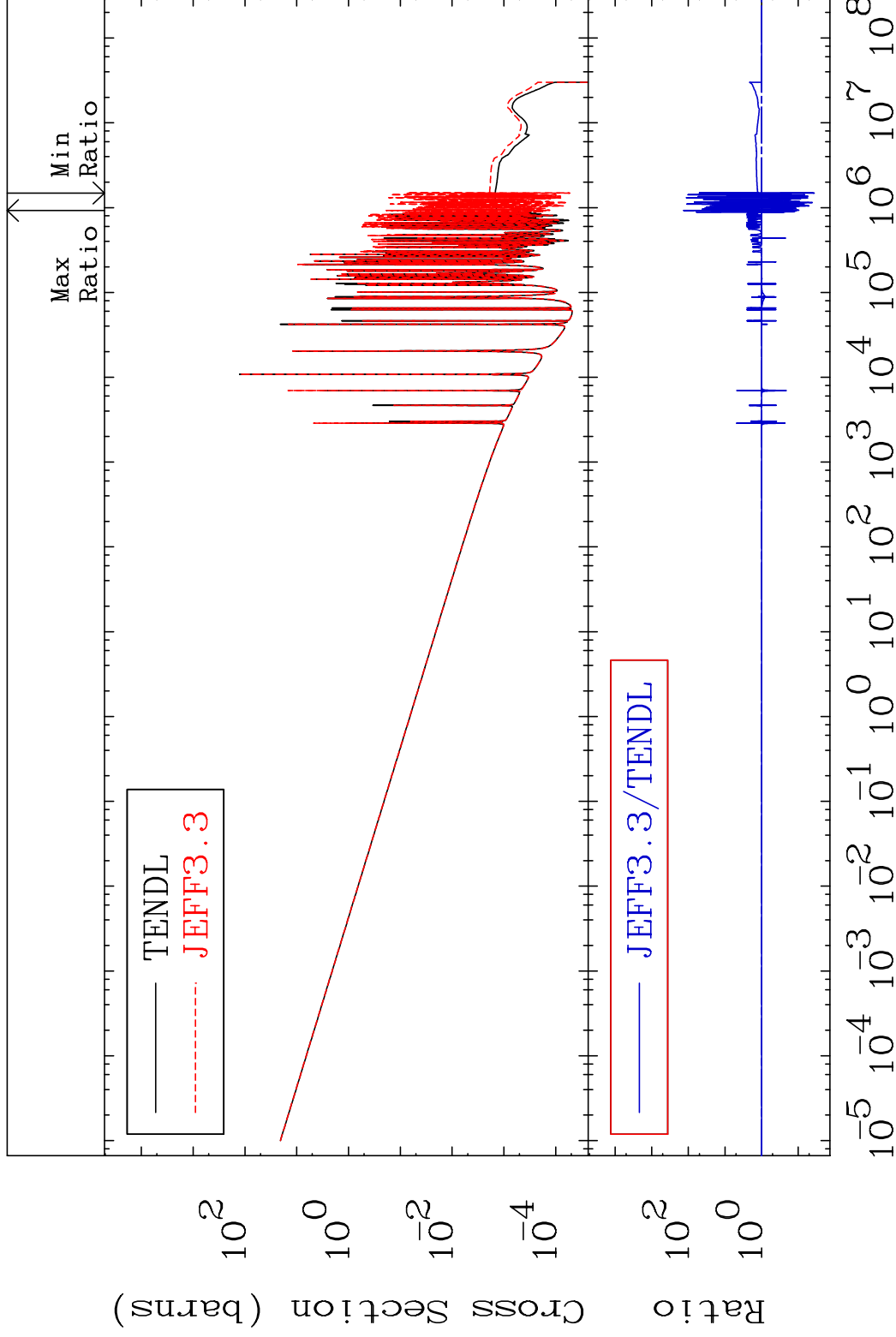
MAT 2025

(n,  $\gamma$ )

20-Ca-40

Cross Section

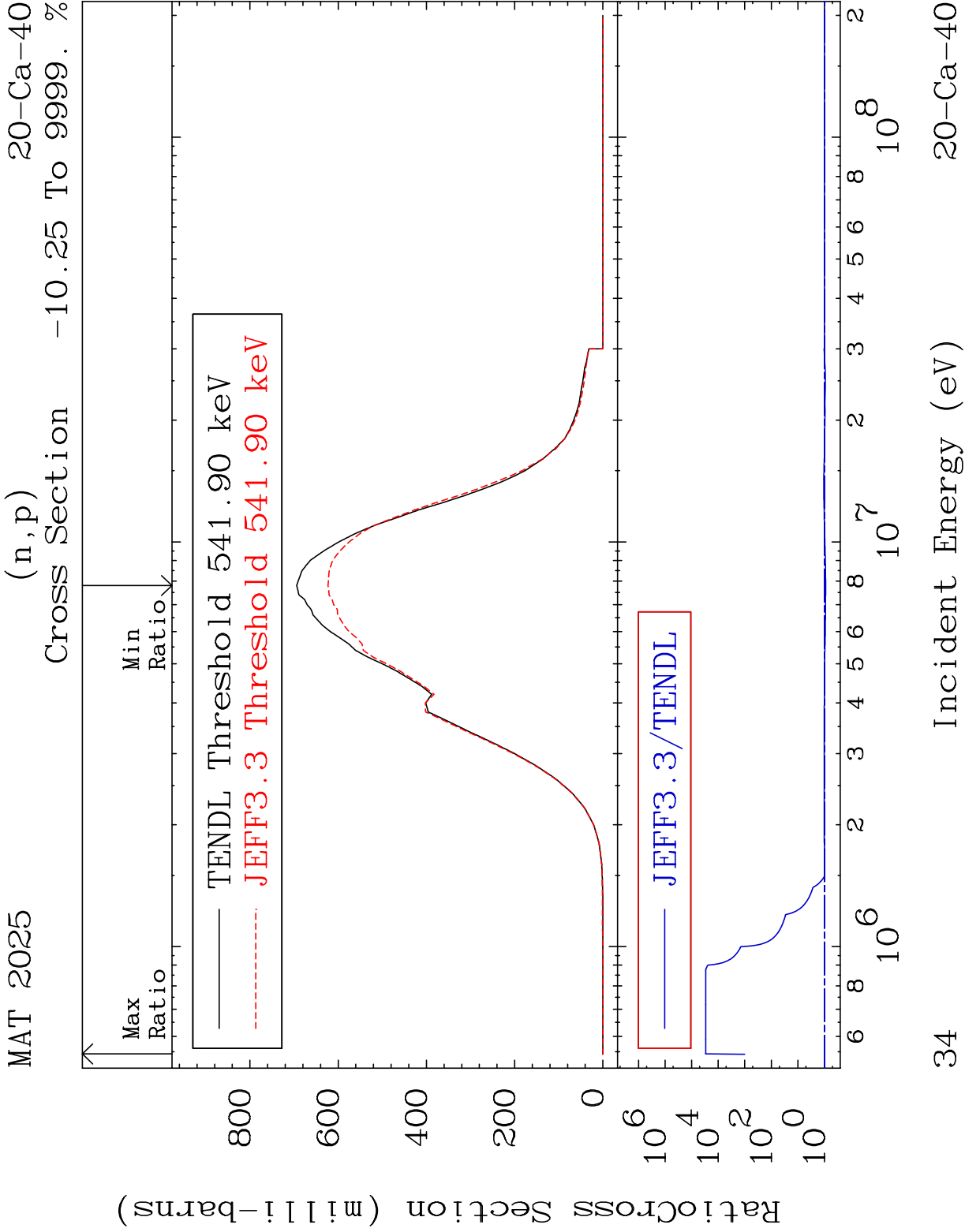
-96.34 To 9999. %



33

Incident Energy (eV)

20-Ca-40

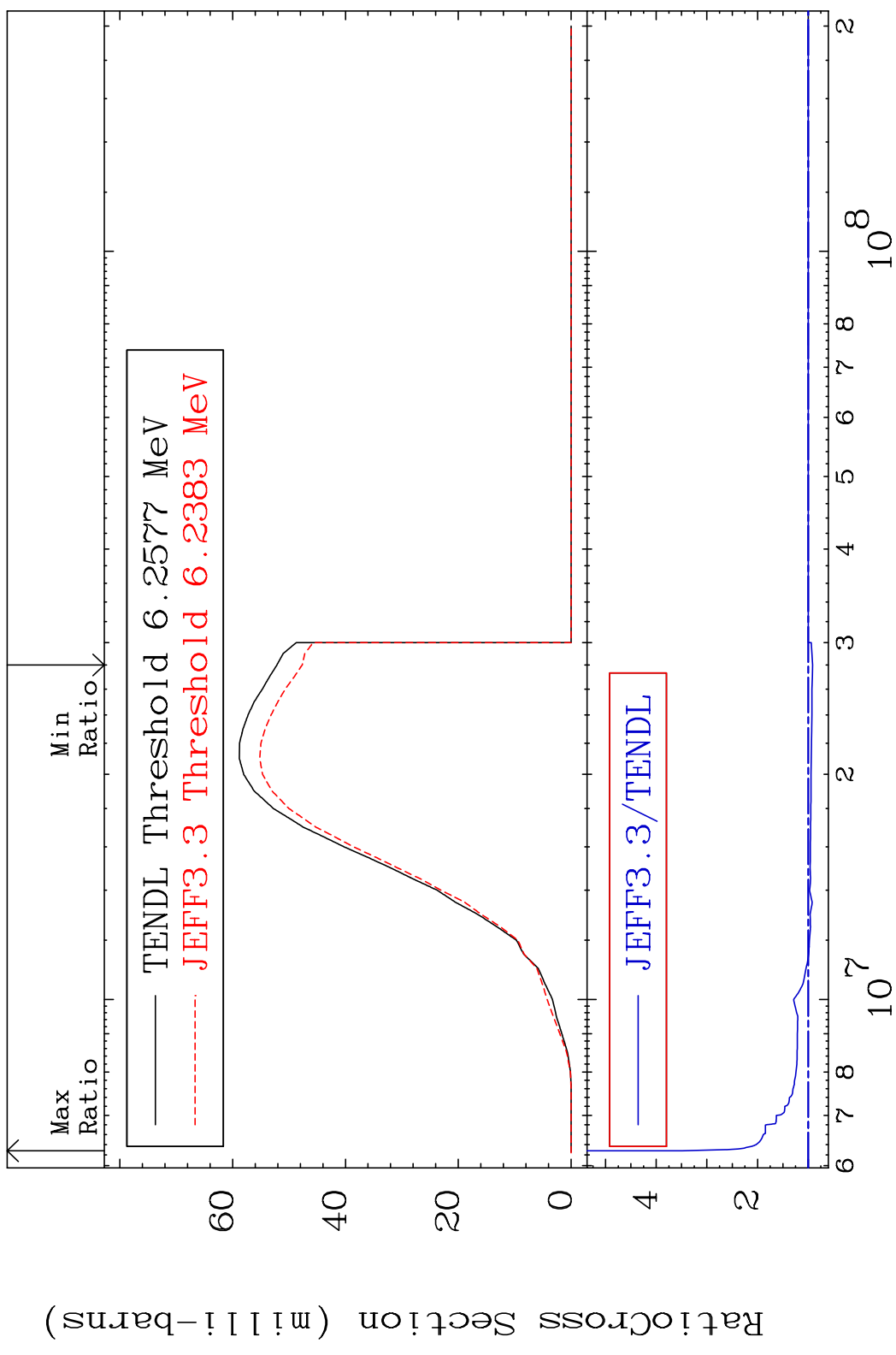


MAT 2025

(n, d)

20-Ca-40

Cross Section -8.576 To 248.4 %



35

Incident Energy (eV)

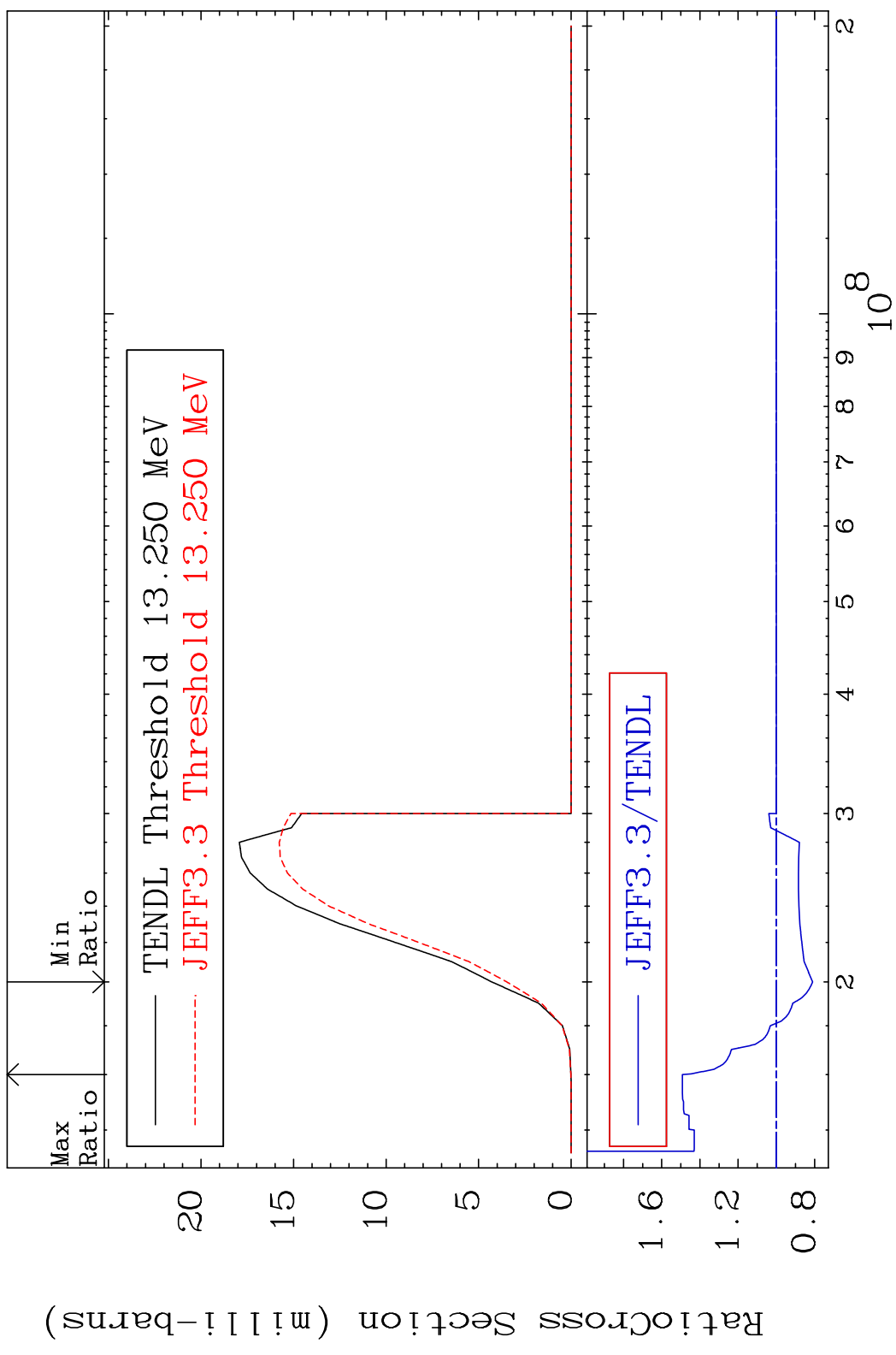
20-Ca-40

MAT 2025

(n, t)

20-Ca-40

Cross Section -18.95 To 49.20 %

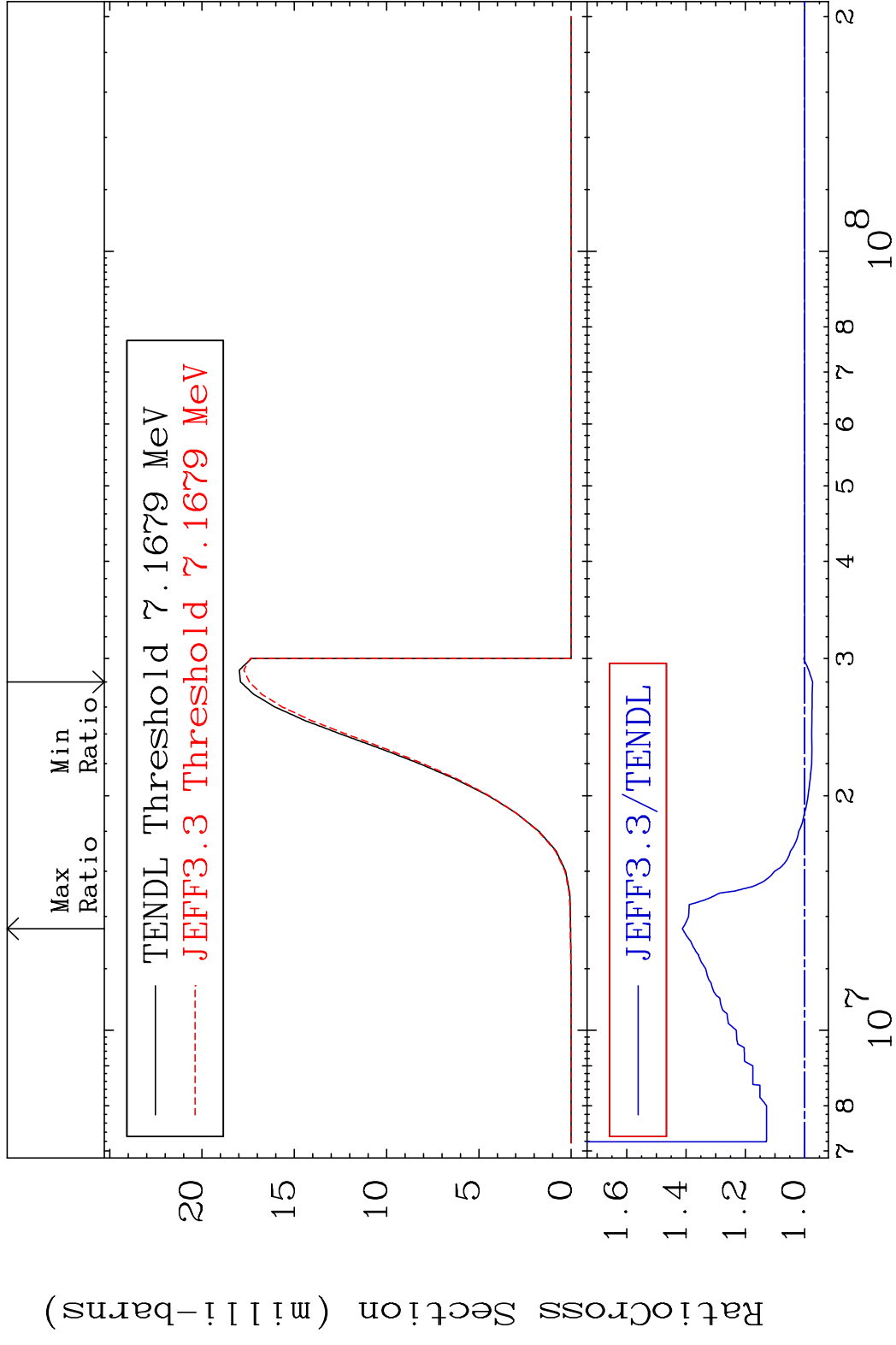


MAT 2025

(n, He-3)

20-Ca-40

Cross Section -2.661 To 41.27 %



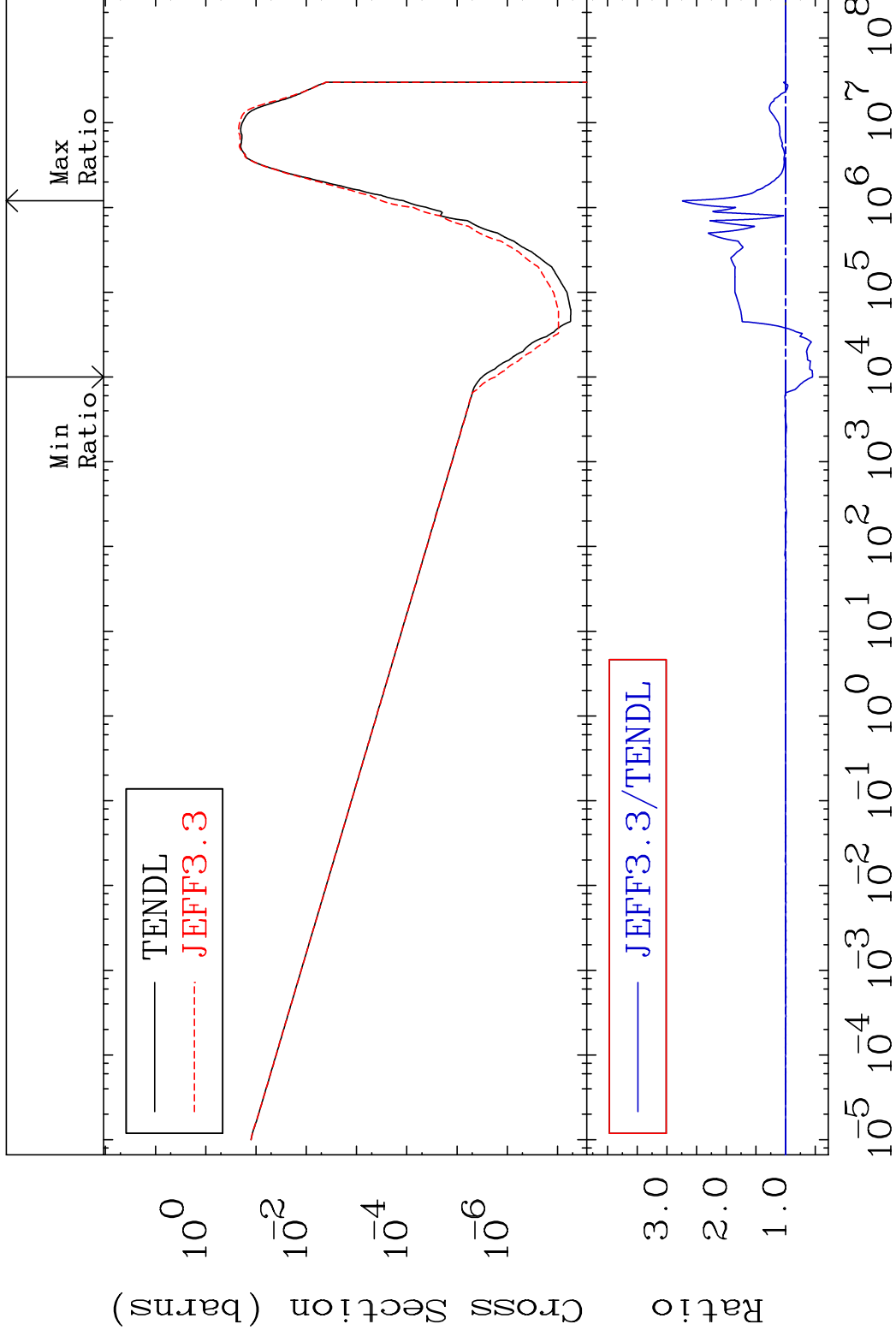
MAT 2025

(n,  $\alpha$ )

20-Ca-40

Cross Section

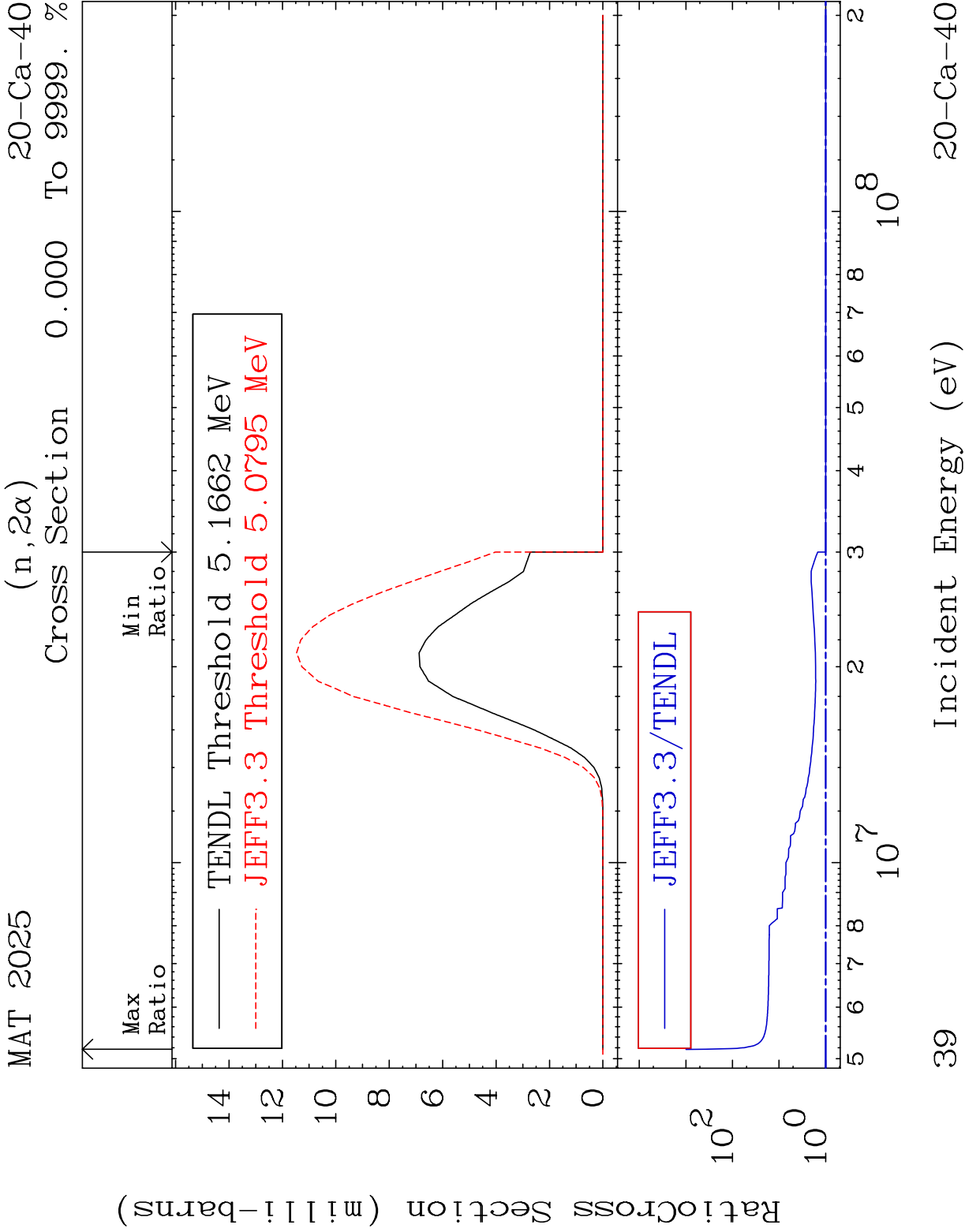
-45.20 To 174.4 %



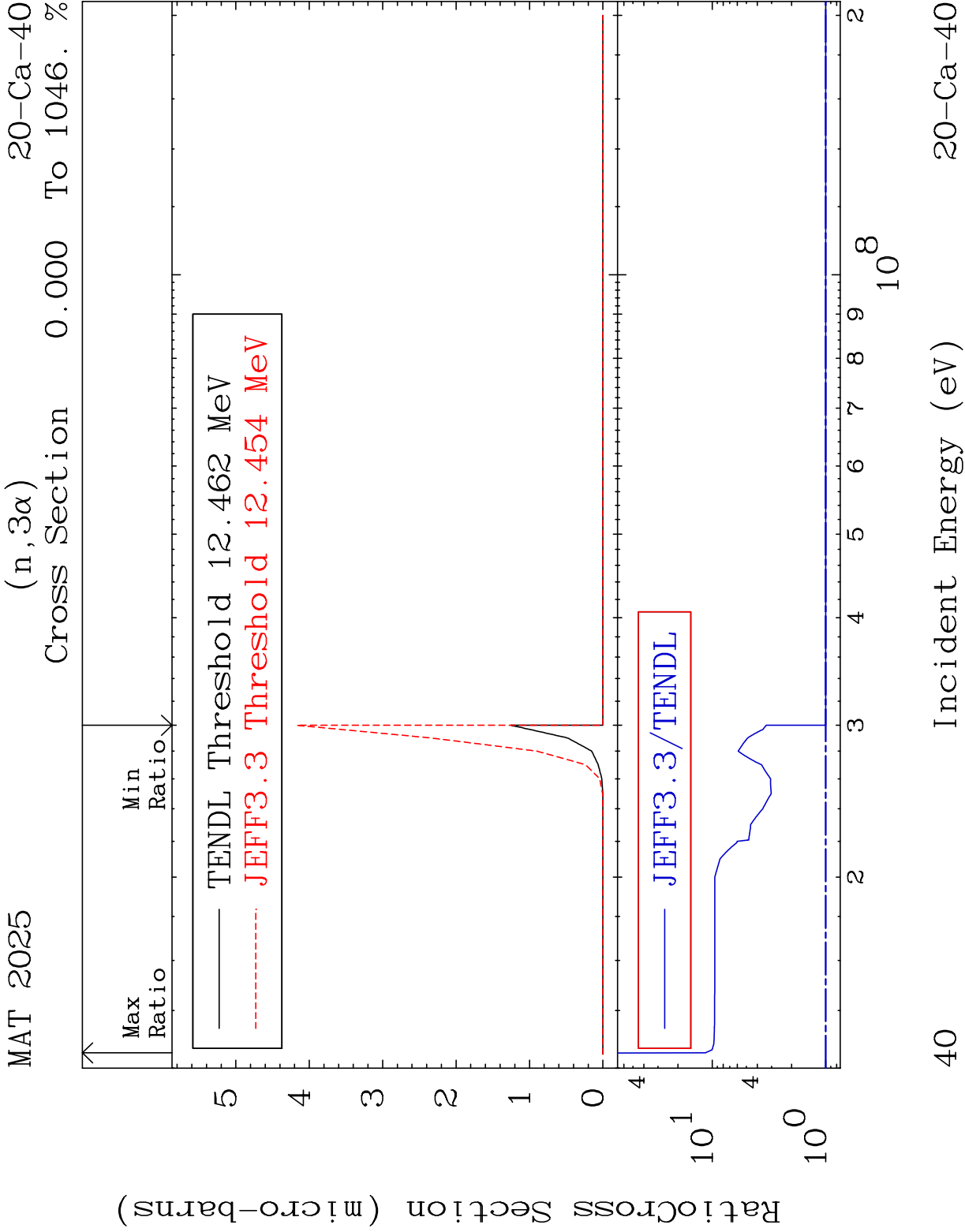
38

Incident Energy (eV)

20-Ca-40





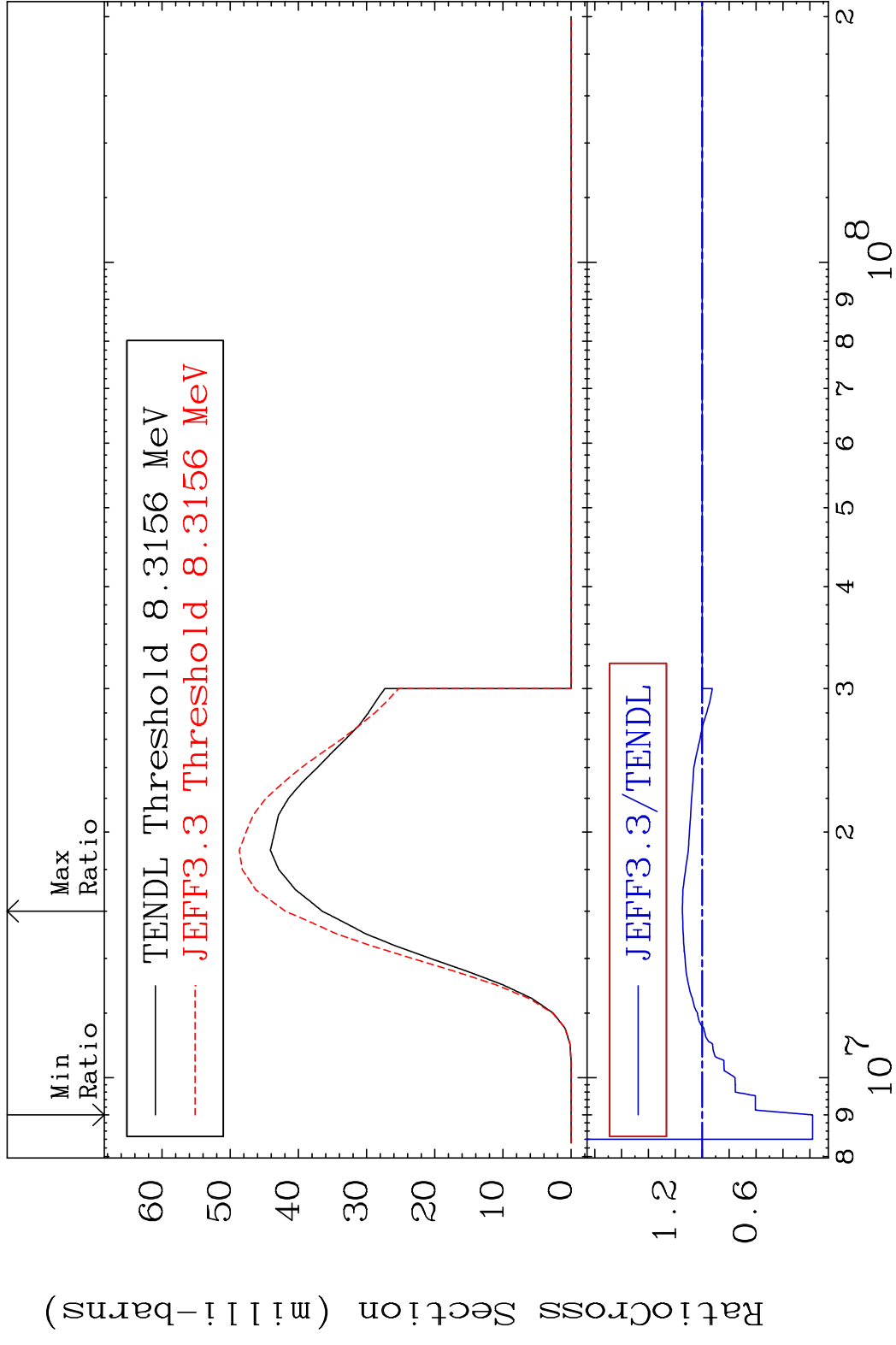


MAT 2025

(n,2p)

20-Ca-40

Cross Section -81.99 To 14.83 %

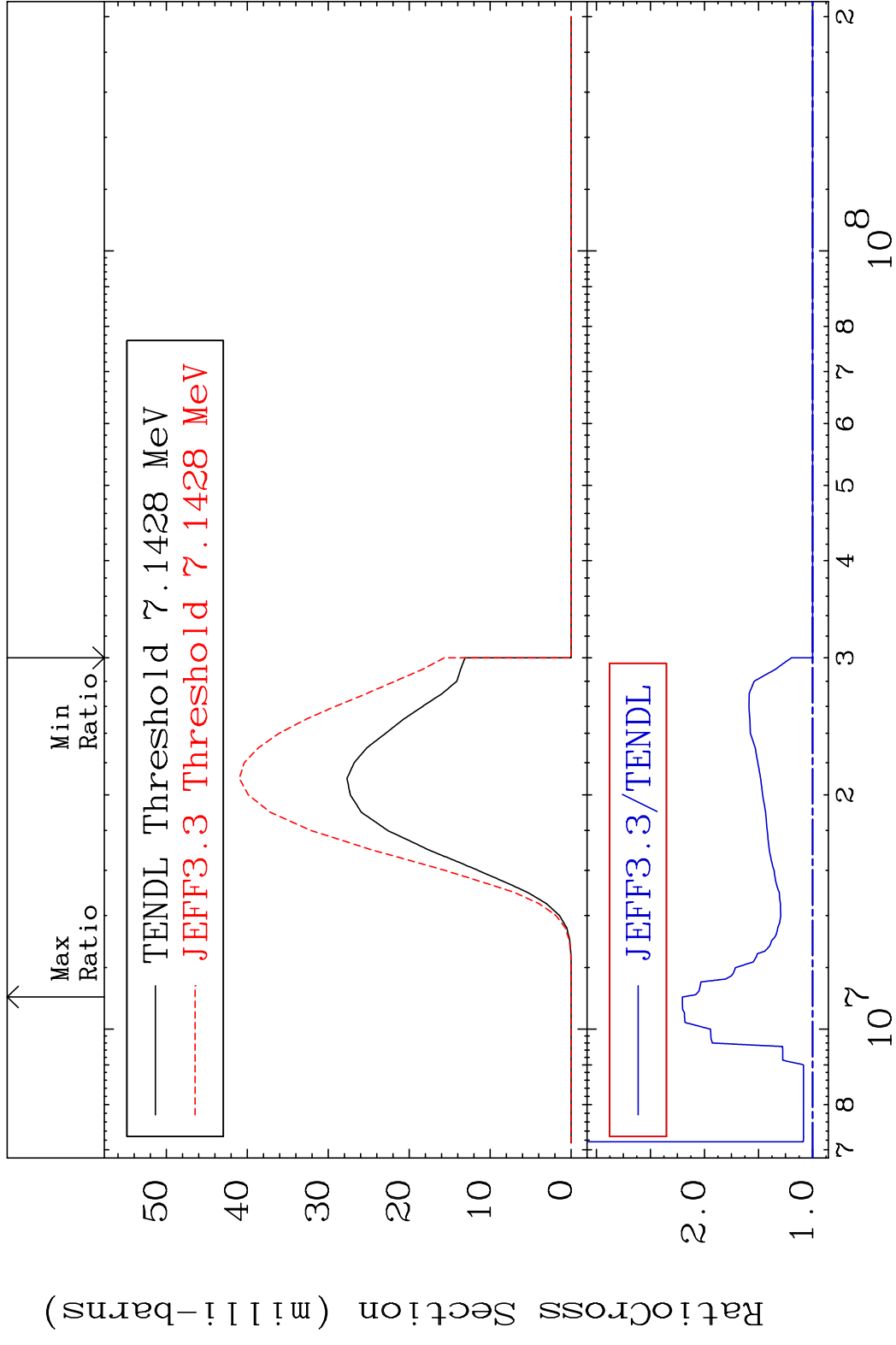


41

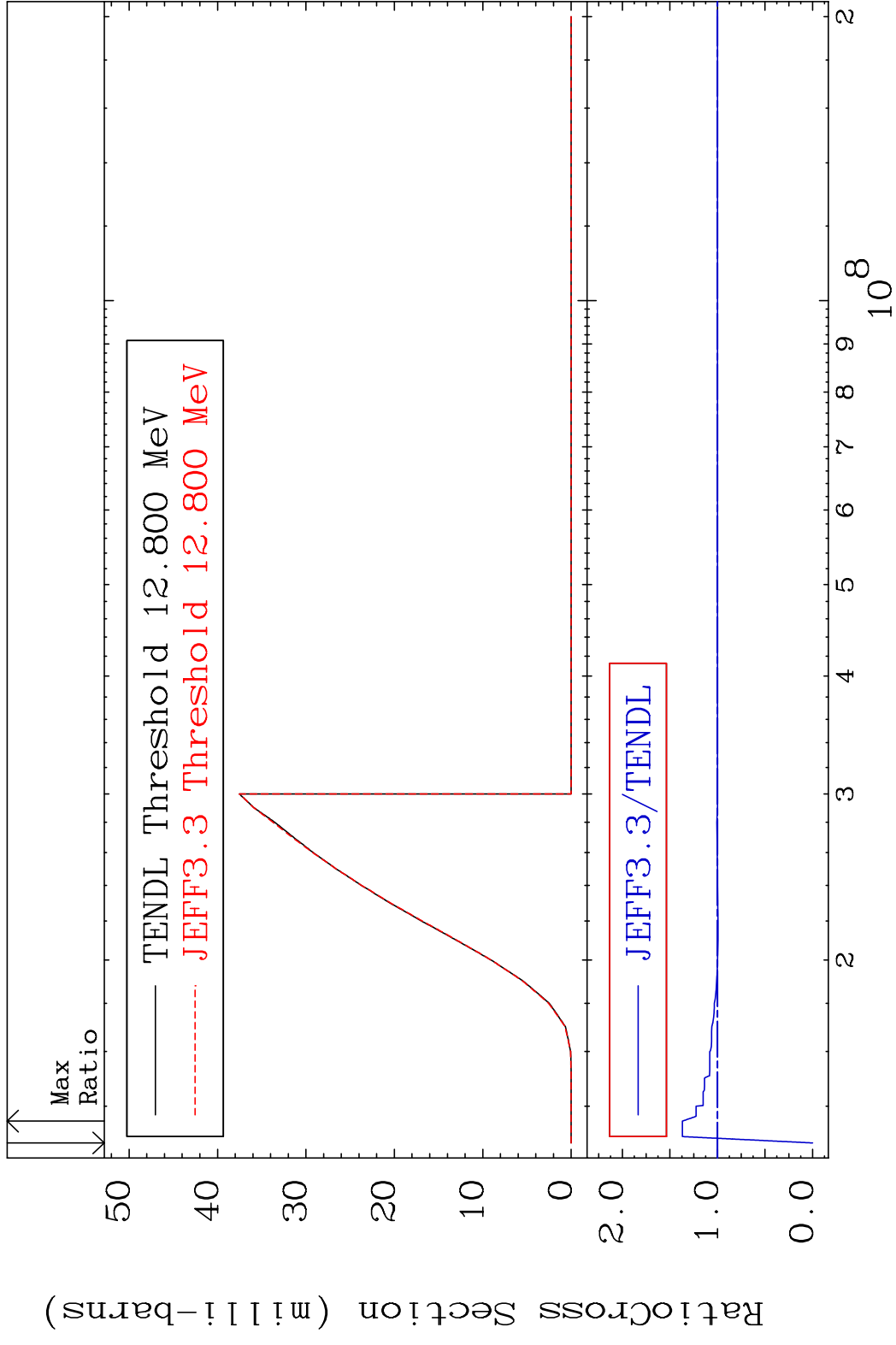
Incident Energy (eV)

20-Ca-40

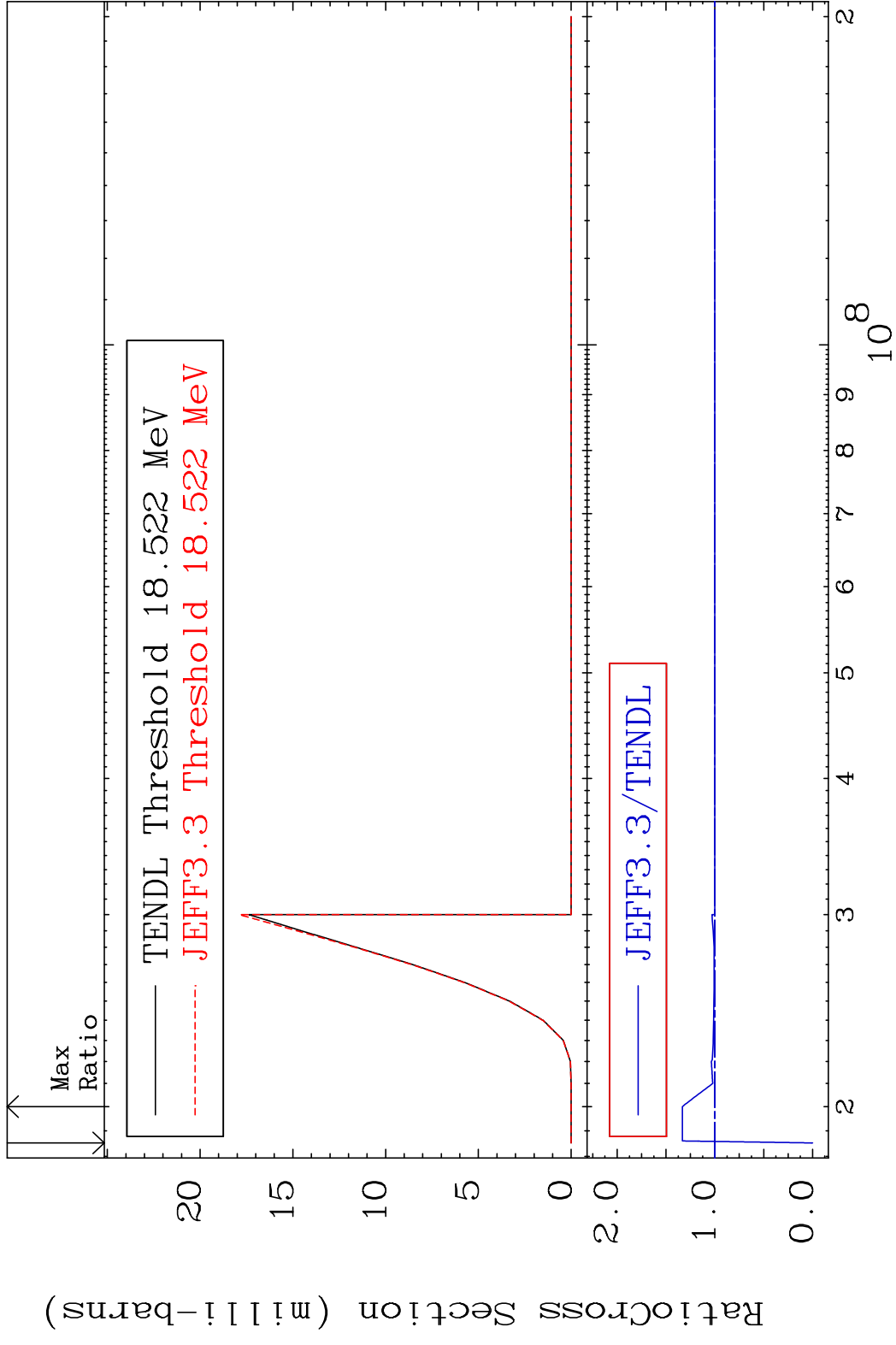
MAT 2025 (n,p)  $\alpha$  20-Ca-40  
 Cross Section 0.000 To 120.4 %



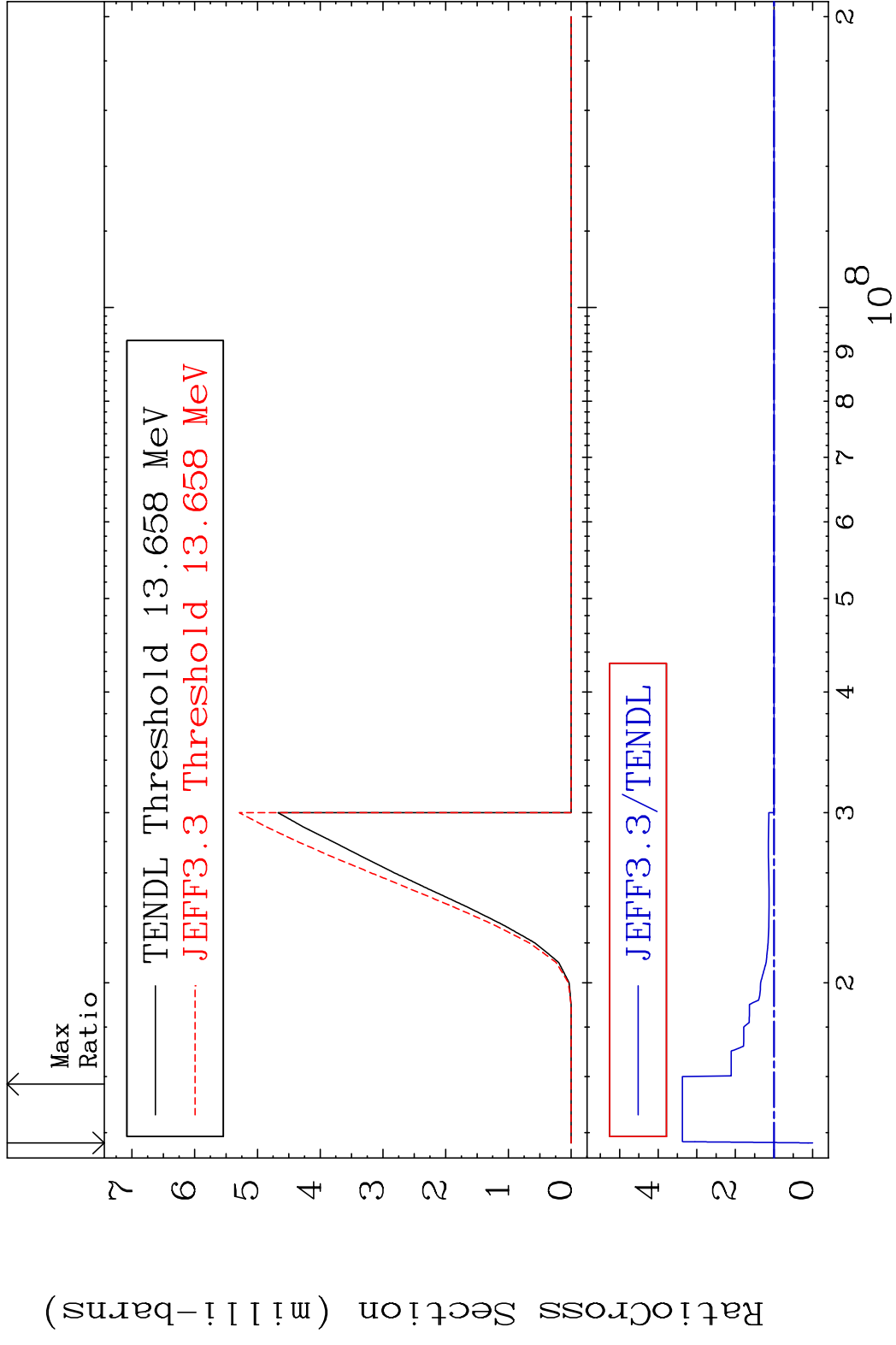
MAT 2025 (n,p) d 20-Ca-40  
 Cross Section -100.0 To 36.94 %

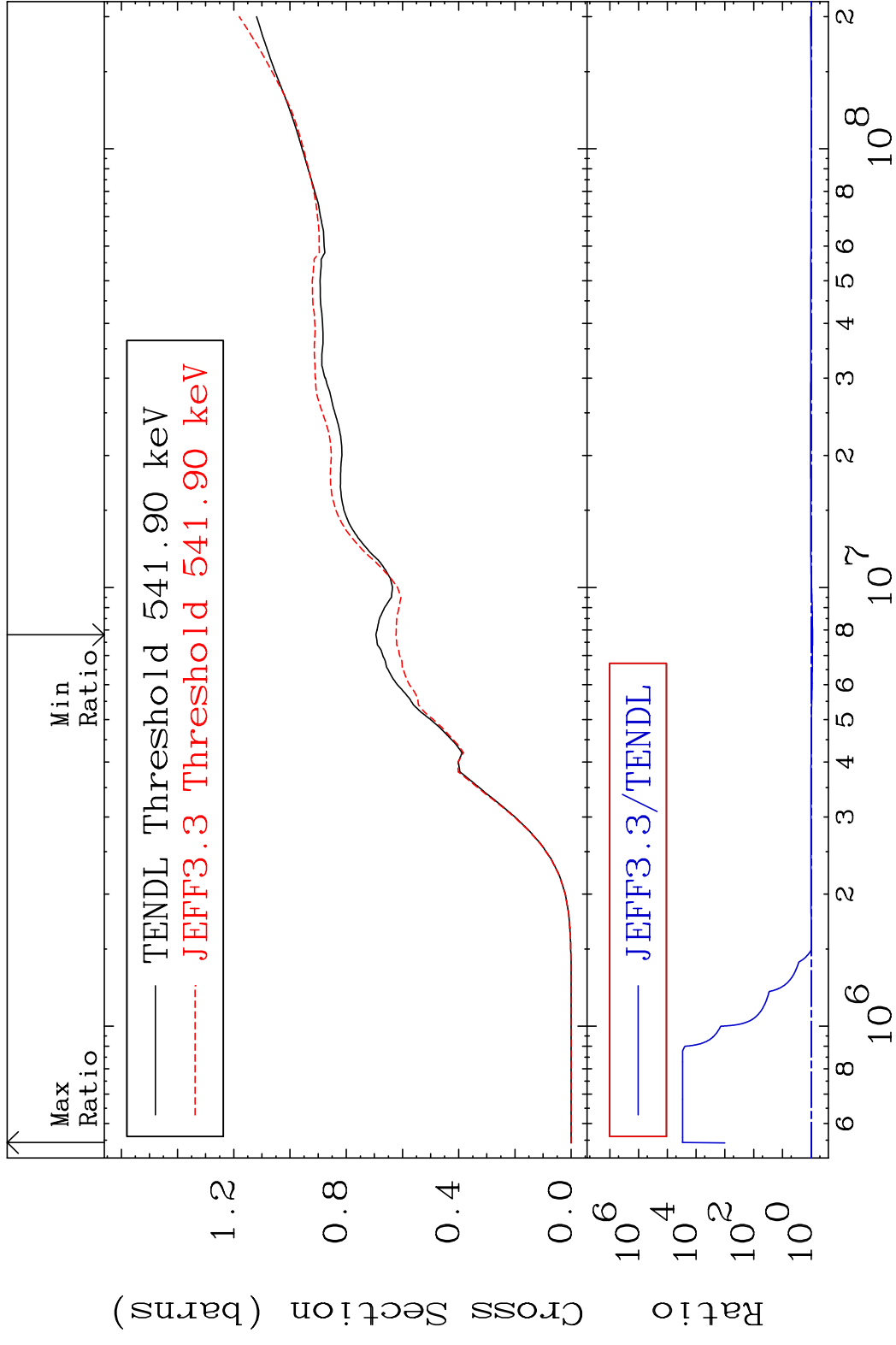


MAT 2025 (n,p) t 20-Ca-40  
 Cross Section -100.0 To 33.27 %



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



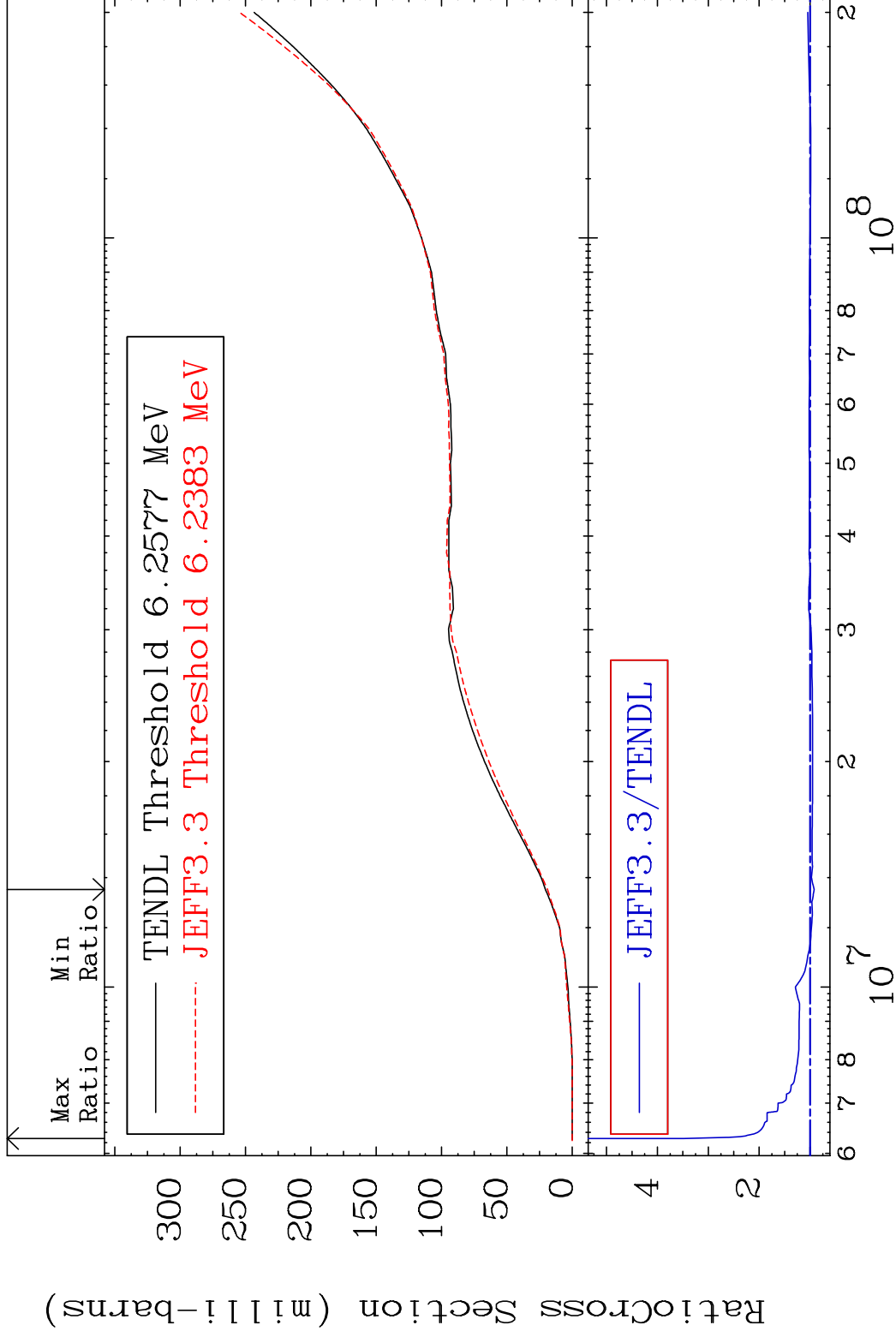


MAT 2025

Deuterium Production

20-Ca-40

Cross Section -7.996 To 248.4 %



47

Incident Energy (eV)

20-Ca-40

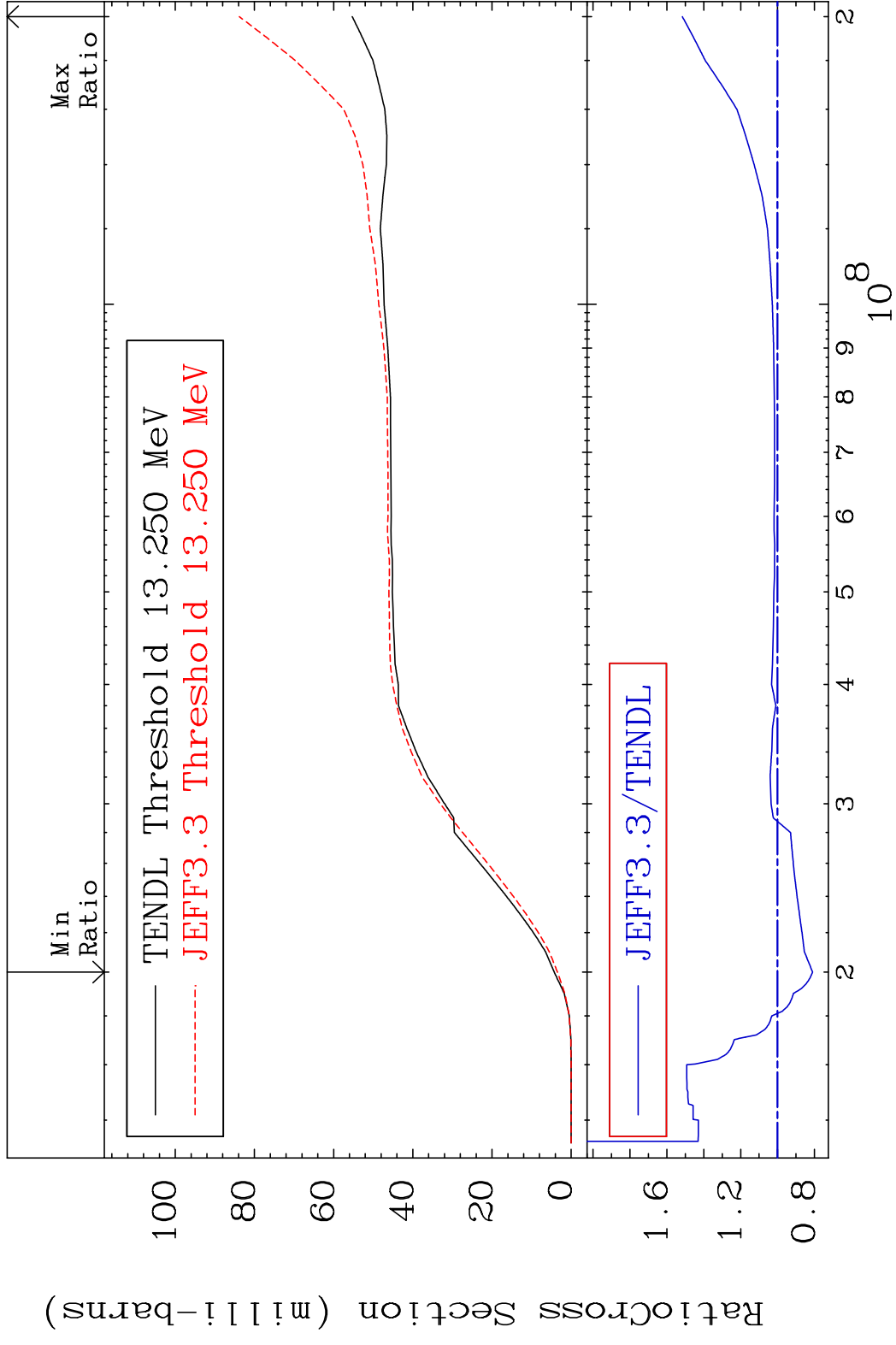


MAT 2025

Tritium Production

20-Ca-40

Cross Section -18.95 To 51.60 %

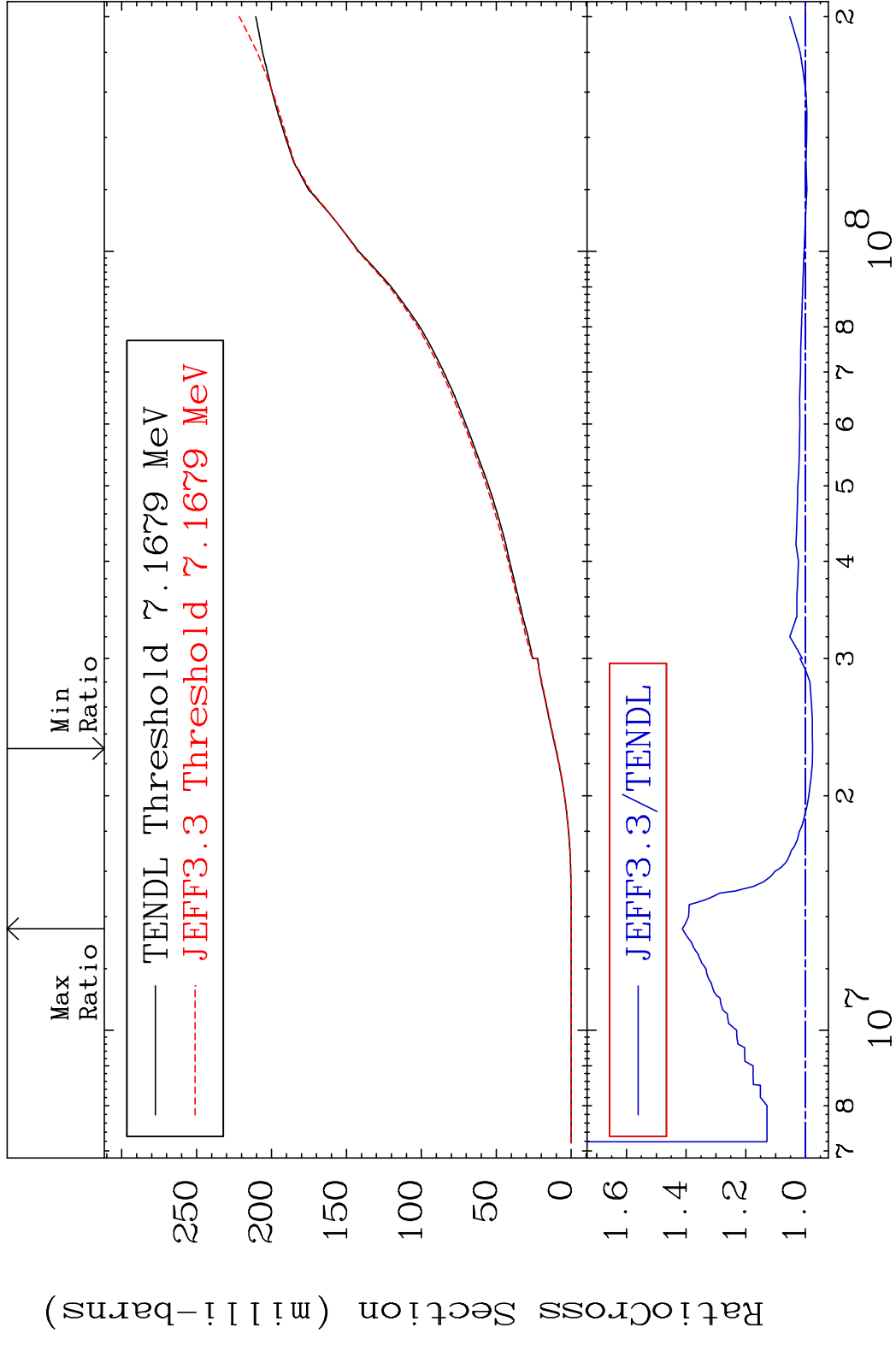


MAT 2025

He-3 Production

20-Ca-40

Cross Section -2.415 To 41.27 %



49

Incident Energy (eV)

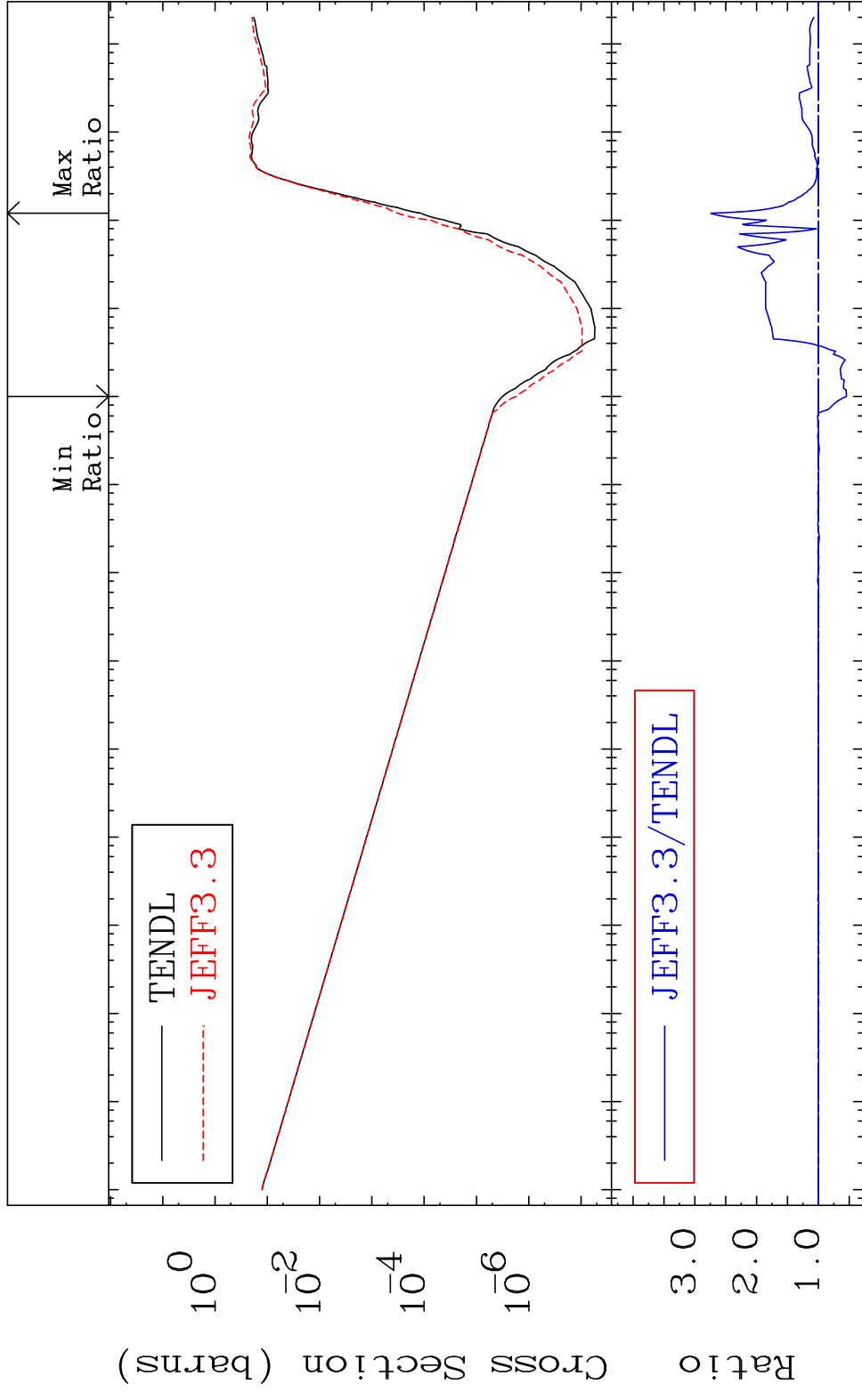
20-Ca-40

MAT 2025

He-4 Production

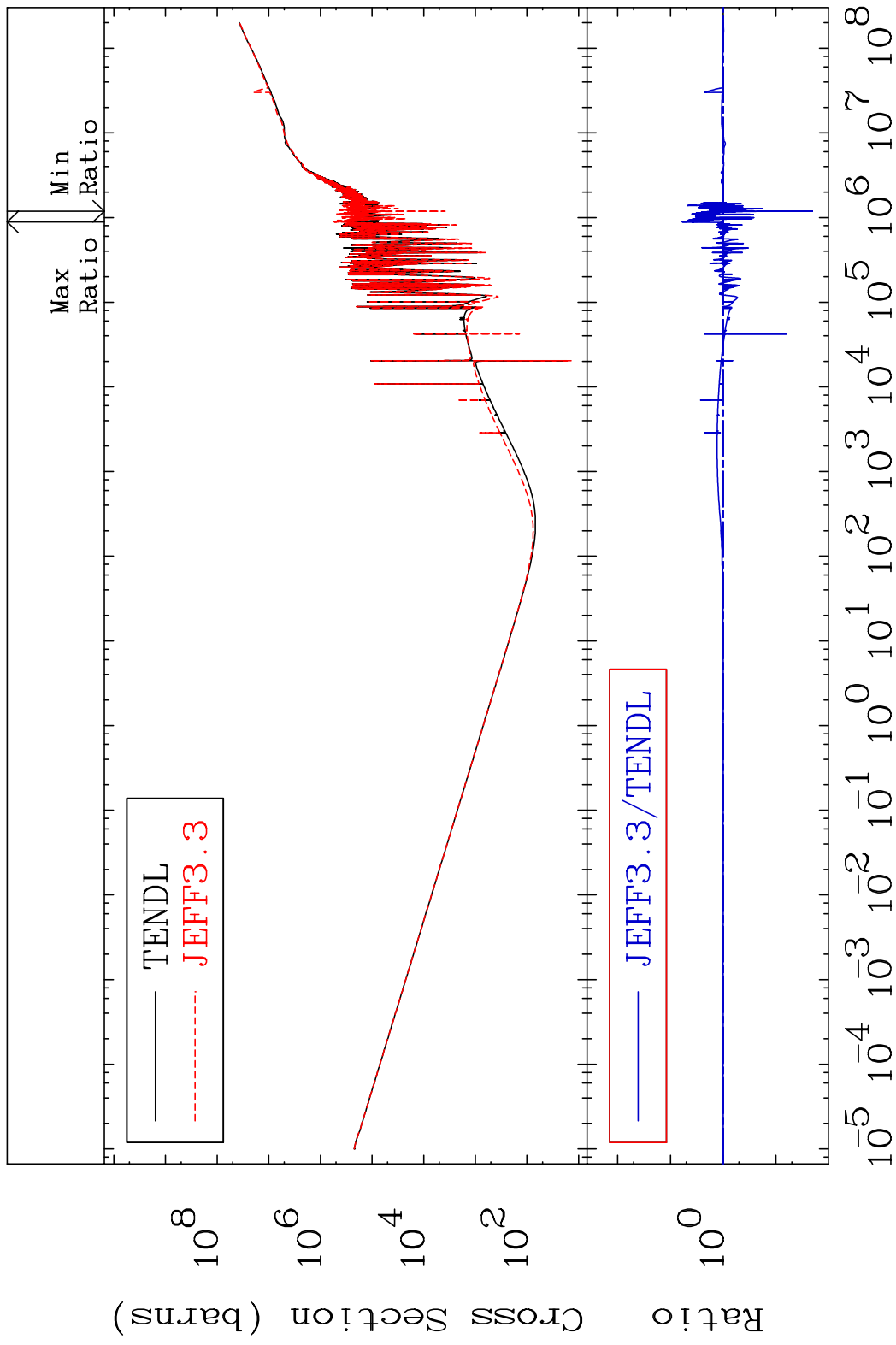
20-Ca-40

Cross Section -45.20 To 174.4 %



50 Incident Energy (eV) 20-Ca-40

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



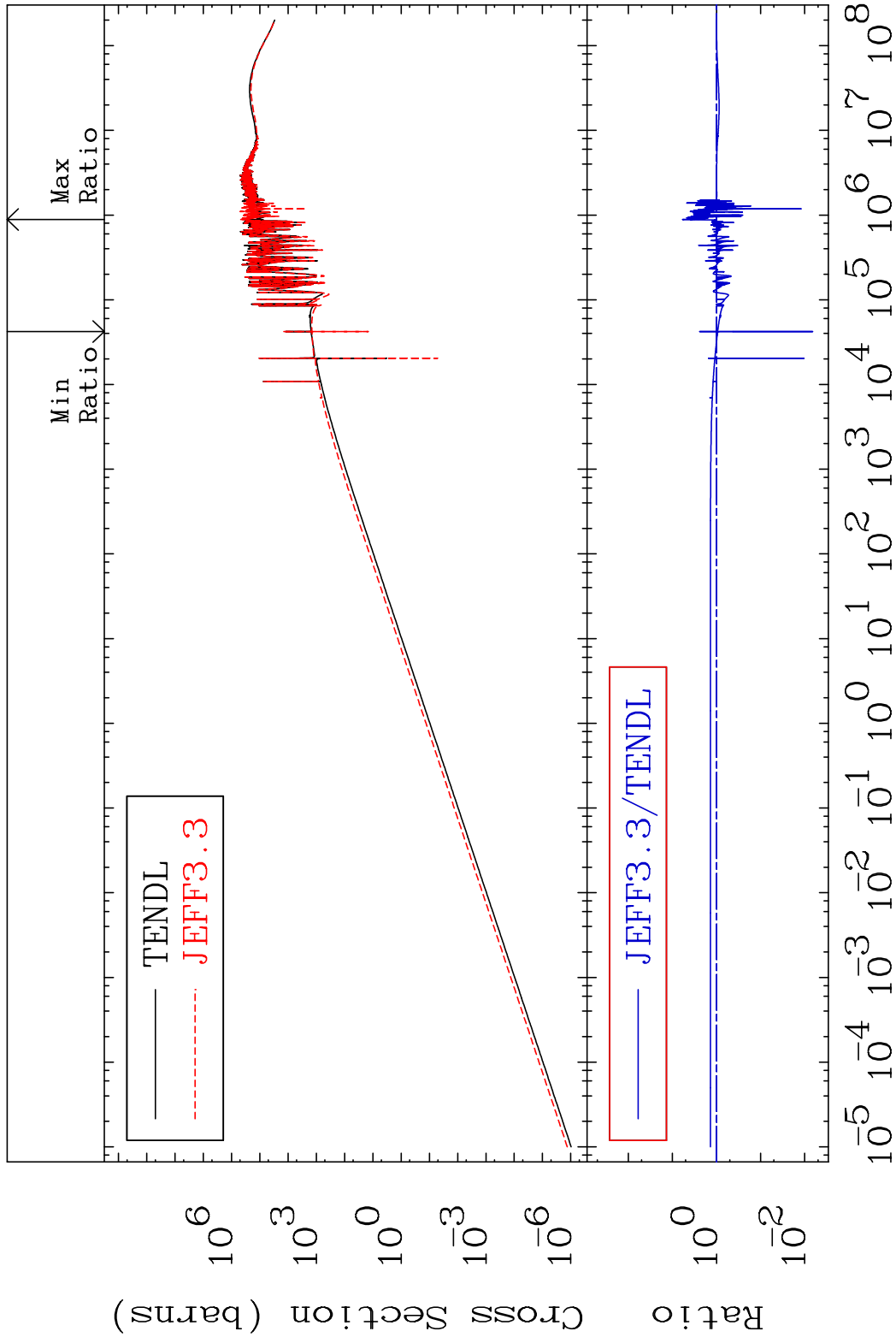
51 Incident Energy (eV) 20-Ca-40

MAT 2025

Kerma elastic  
Cross Section

20-Ca-40

-99.34 To 494.3 %

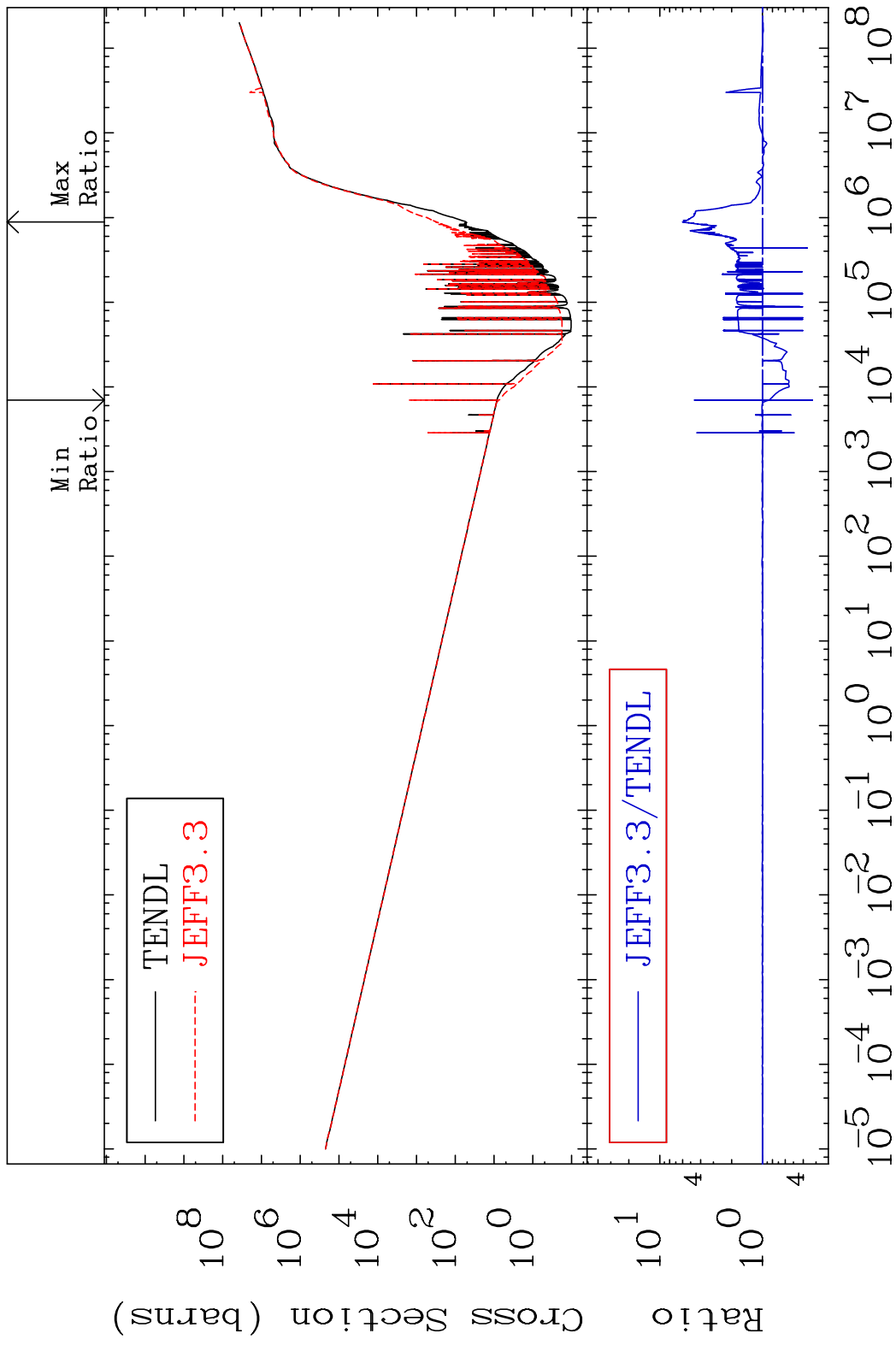


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Incident Energy (eV)

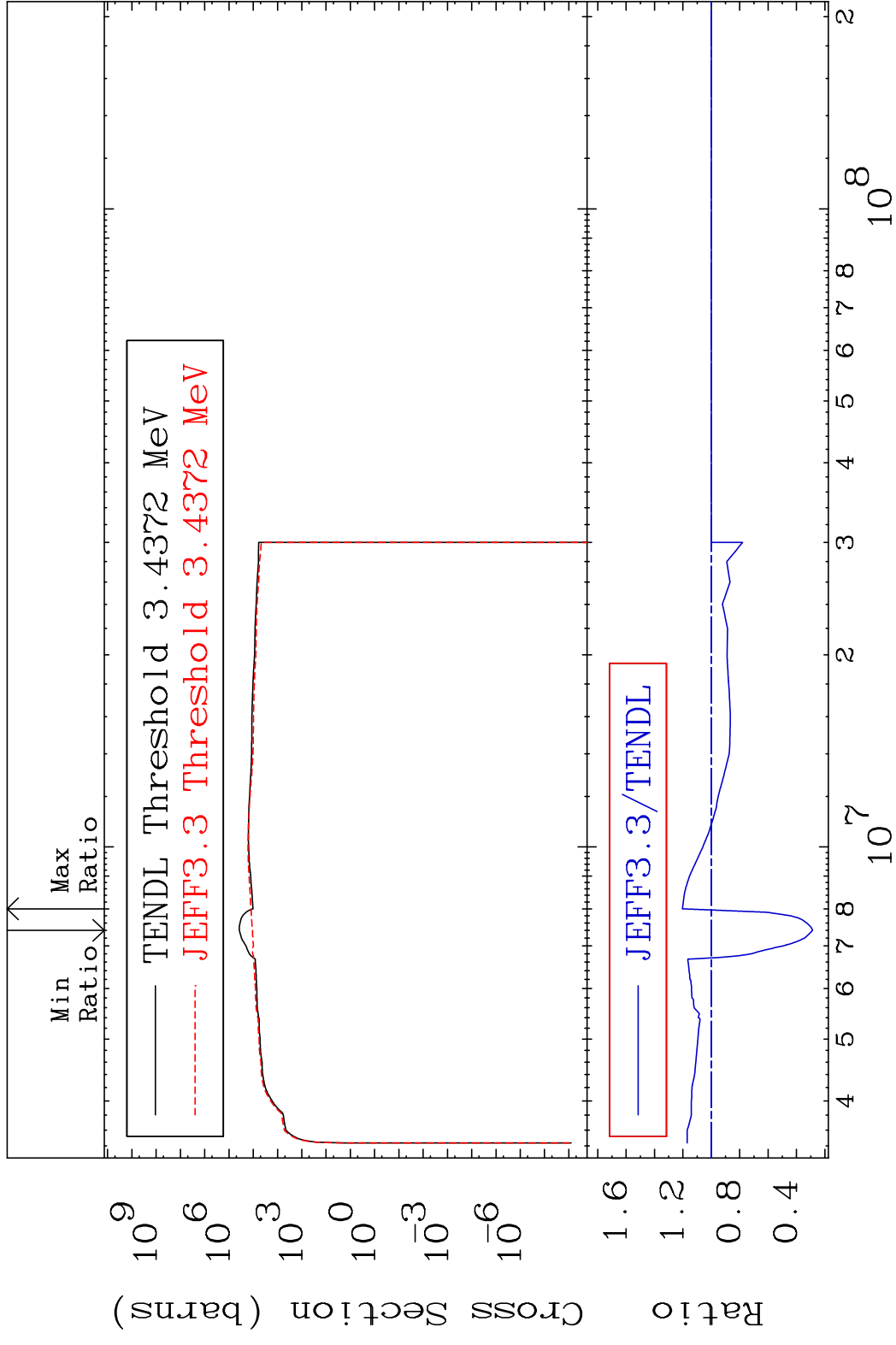
20-Ca-40

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

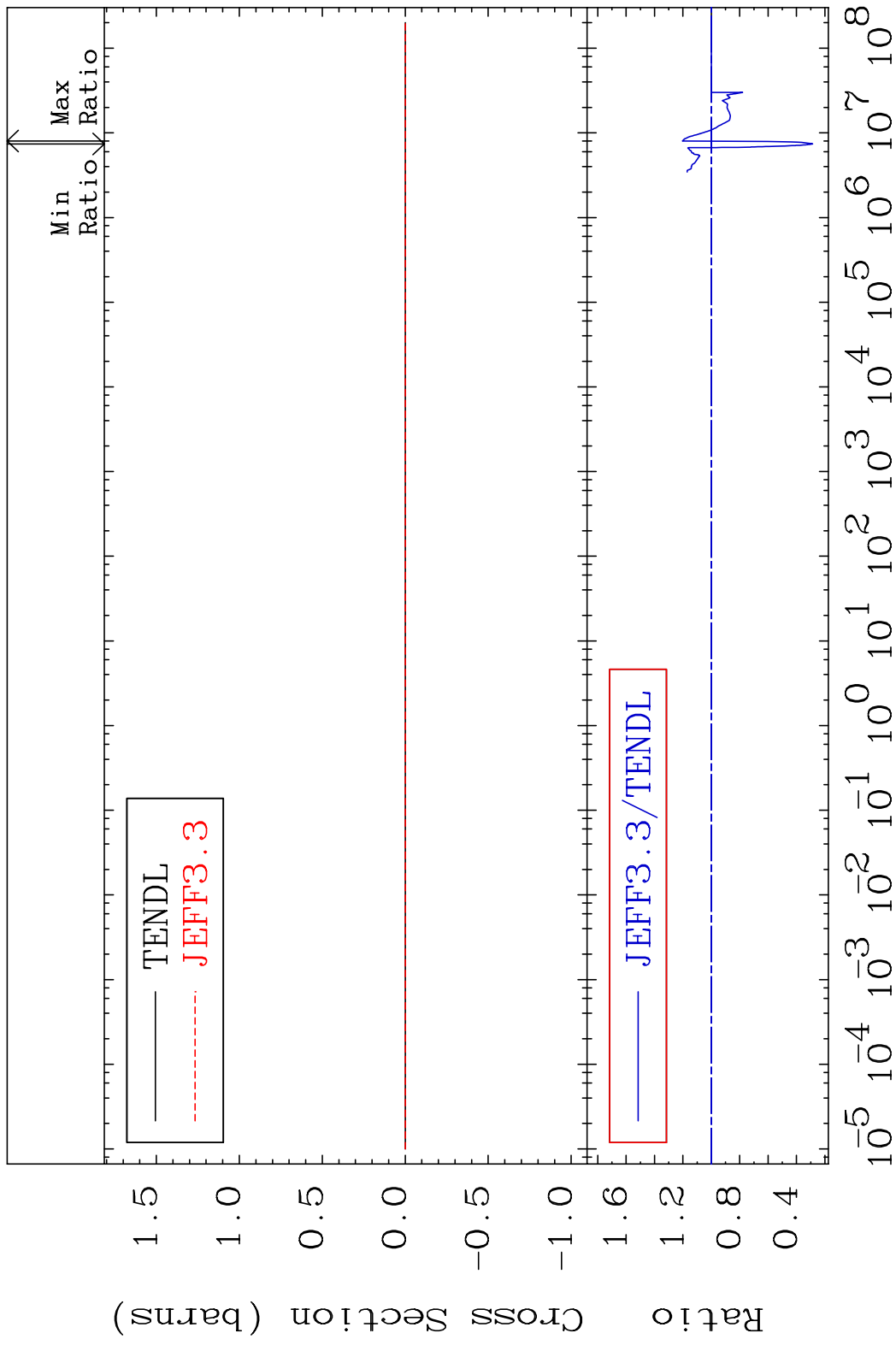


53 Incident Energy (eV) 20-Ca-40

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



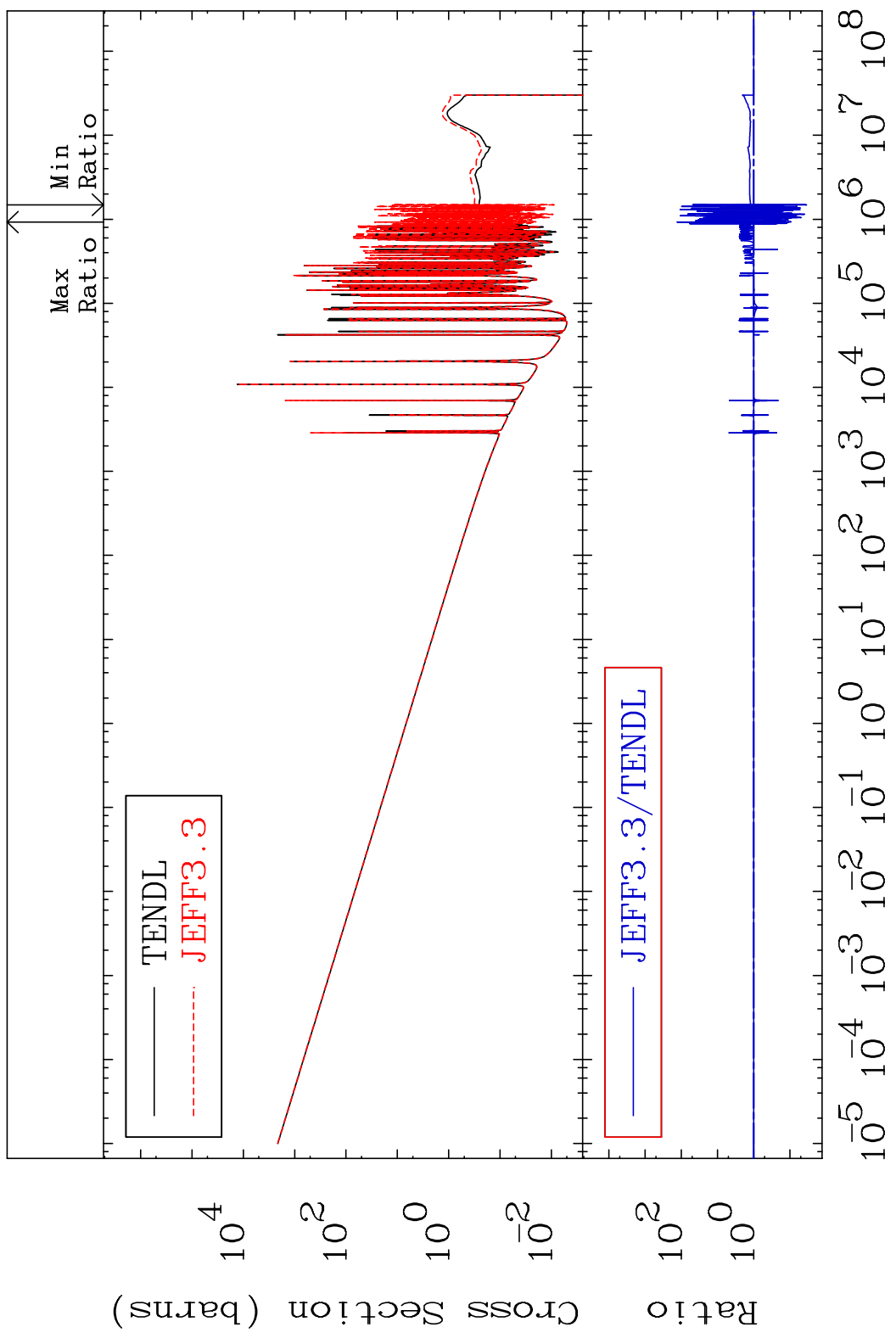
MAT 2025 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-40  
 Cross Section -71.33 To 20.40 %





MAT 2025

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

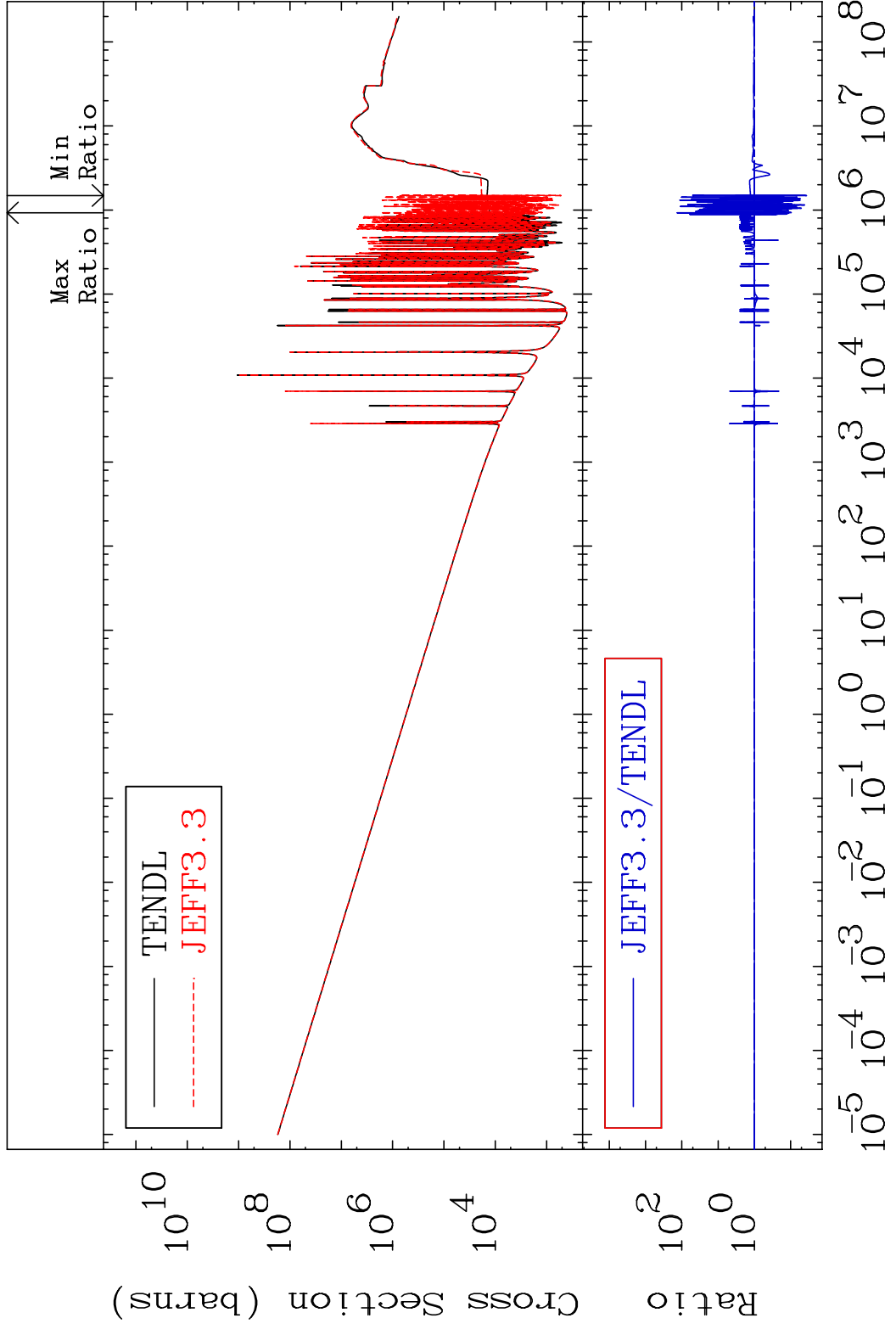


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Incident Energy (eV) 20-Ca-40

MAT 2025

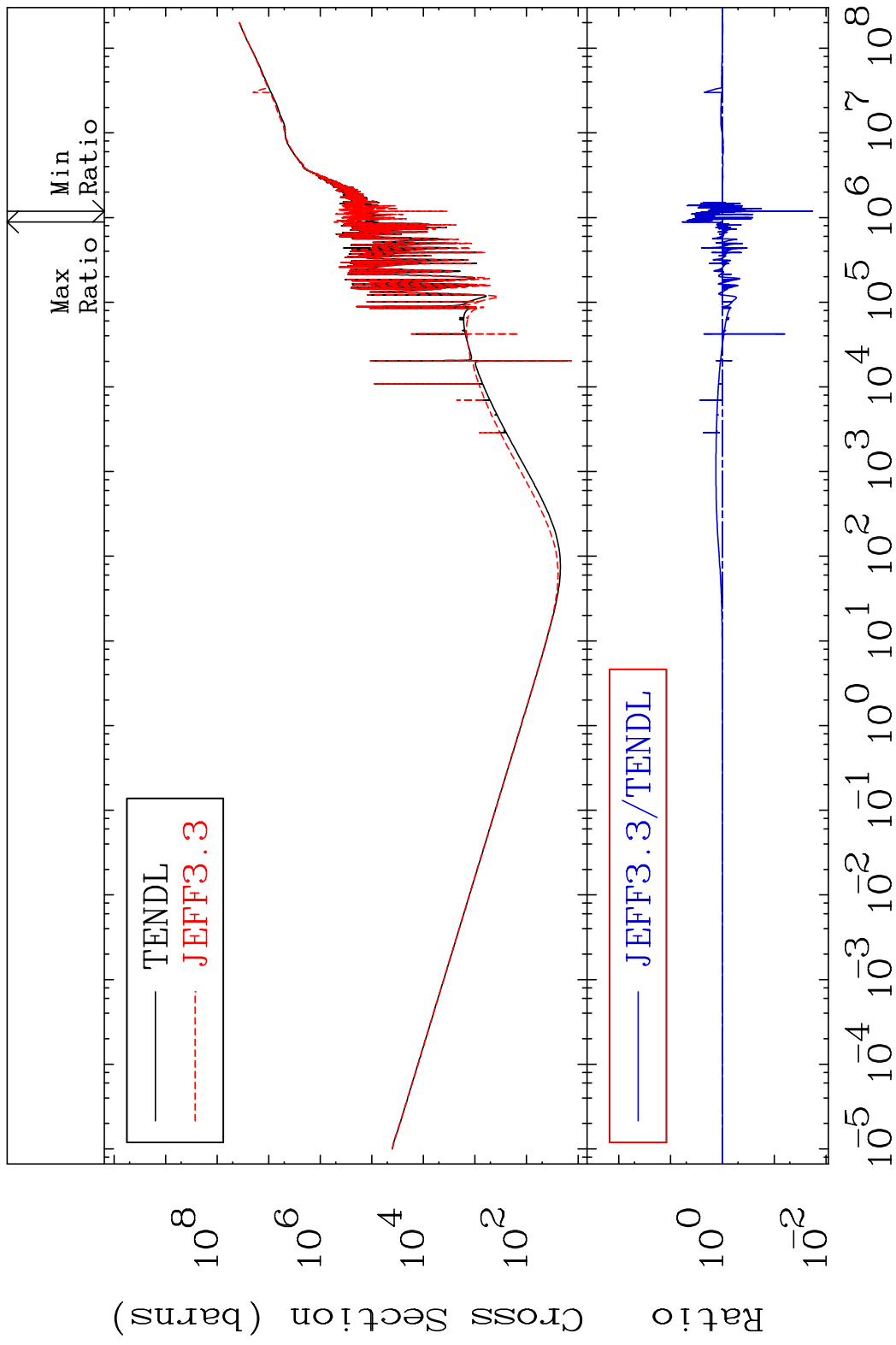
Total photon (eV-barns) 20-Ca-40  
Cross Section -96.34 To 9999. %



57

Incident Energy (eV) 20-Ca-40

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

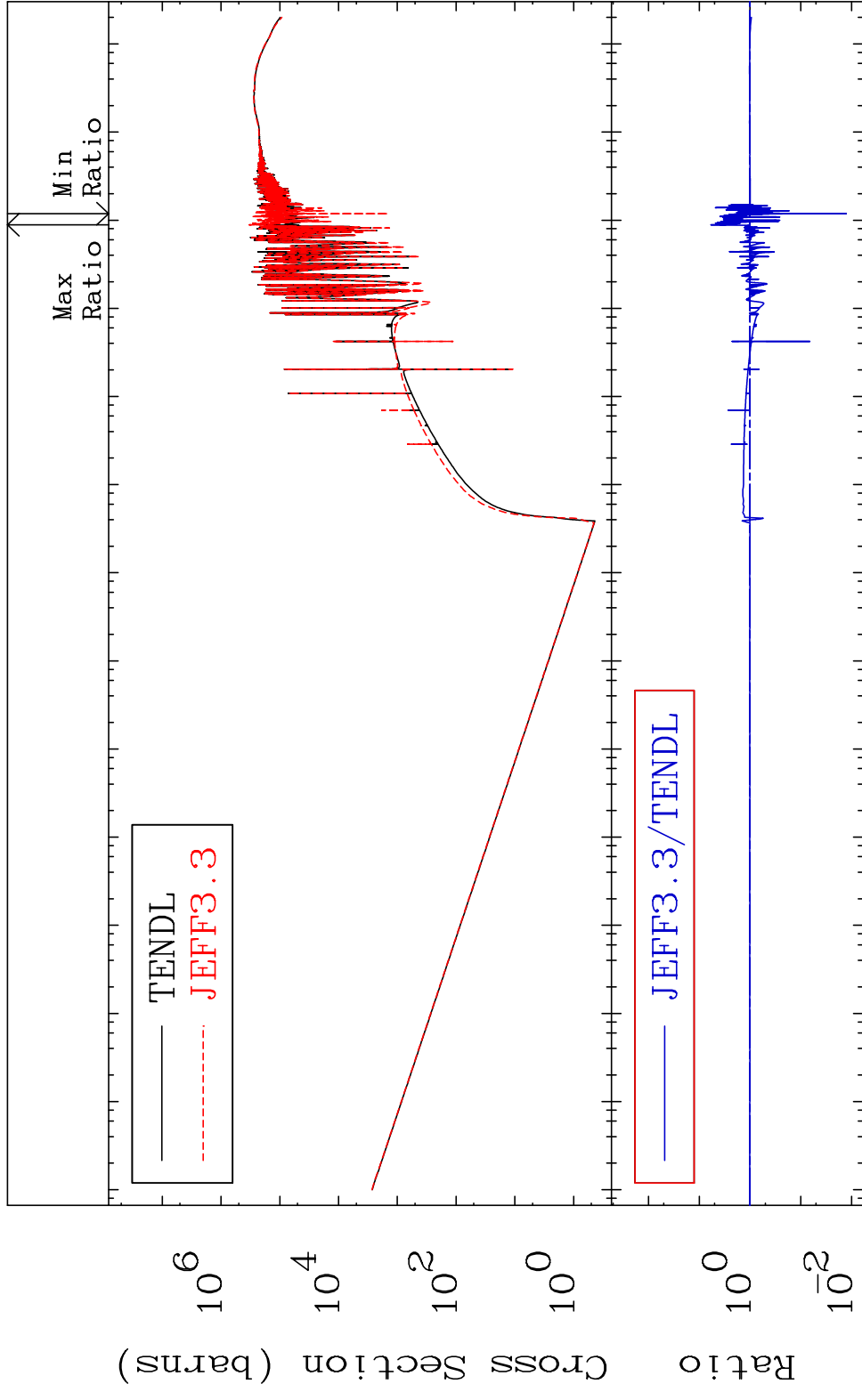


MAT 2025

Dpa total (eV-barns)

20-Ca-40

Cross Section -98.73 To 495.1 %



59

Incident Energy (eV)

20-Ca-40

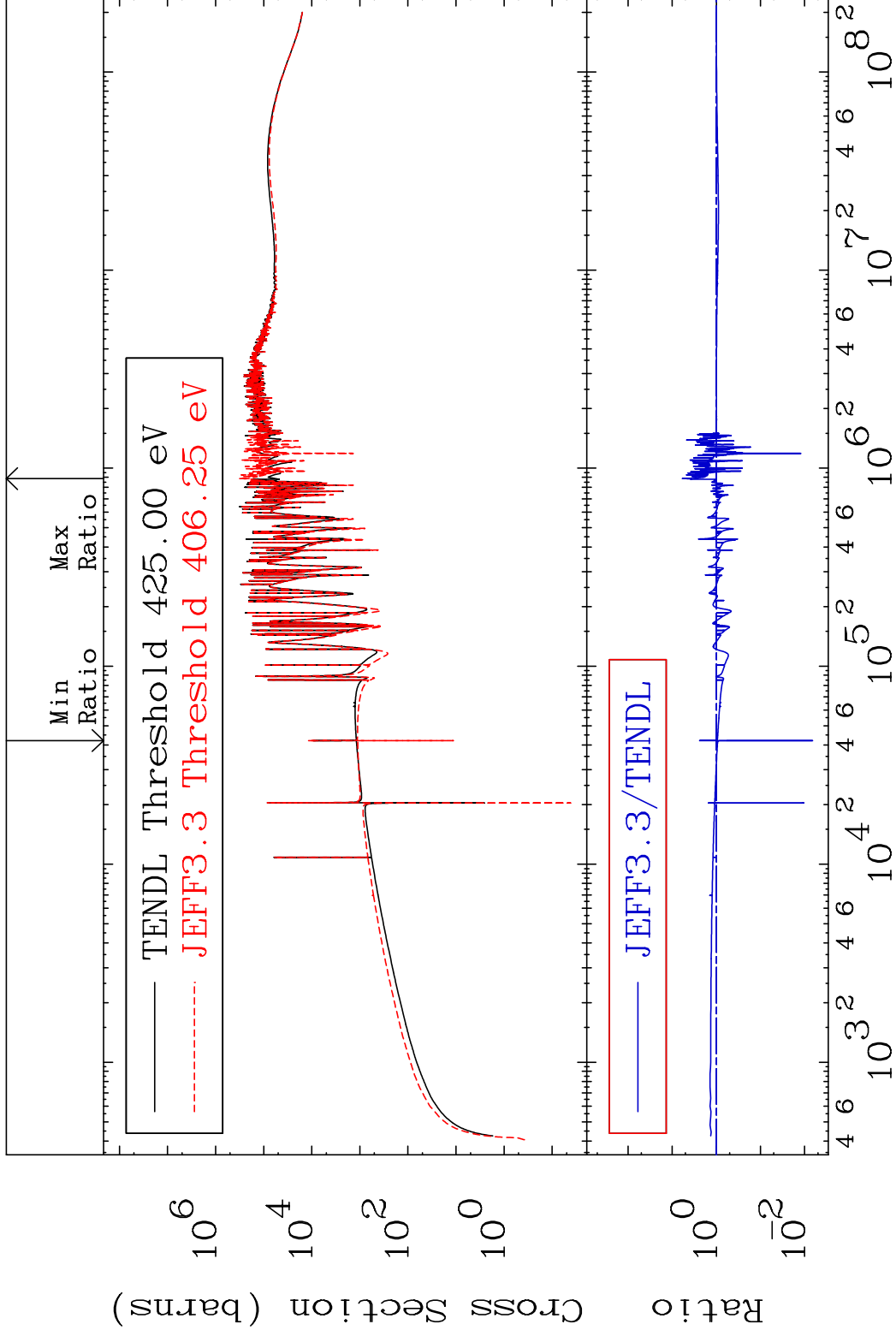
MAT 2025

Dpa elastic (mt2)

20-Ca-40

Cross Section

-99.34 To 495.1 %

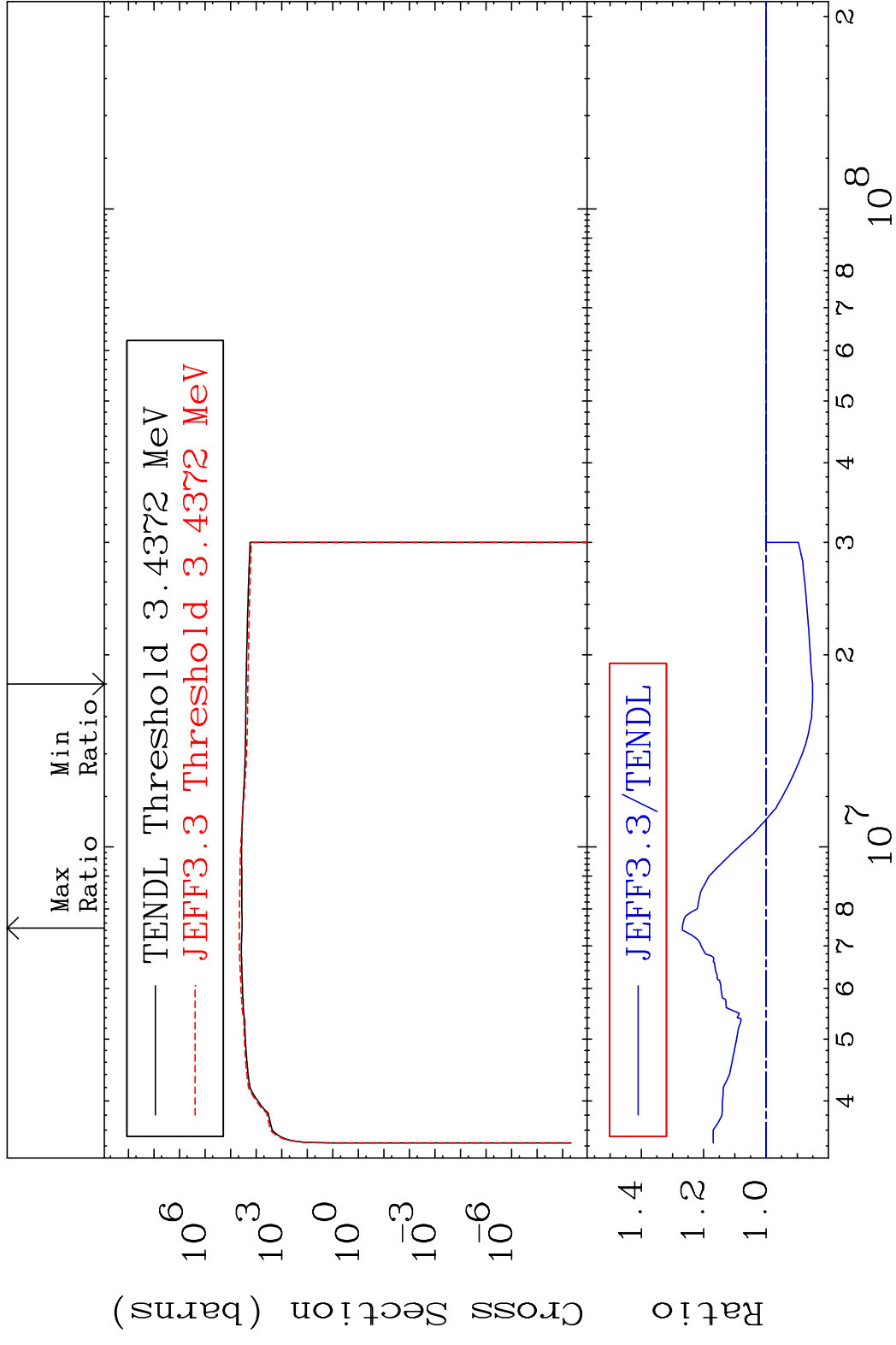


60

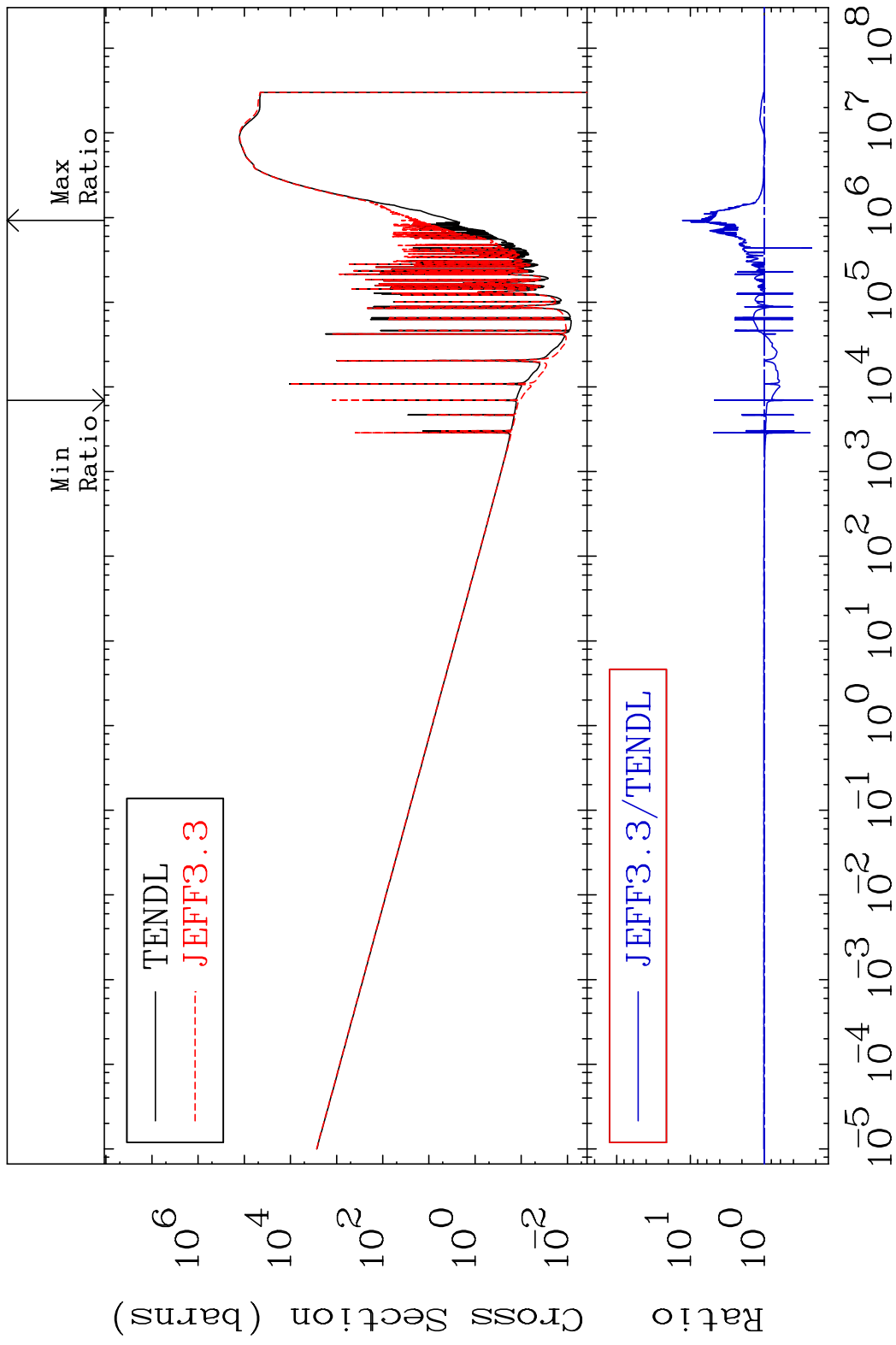
Incident Energy (eV)

20-Ca-40

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

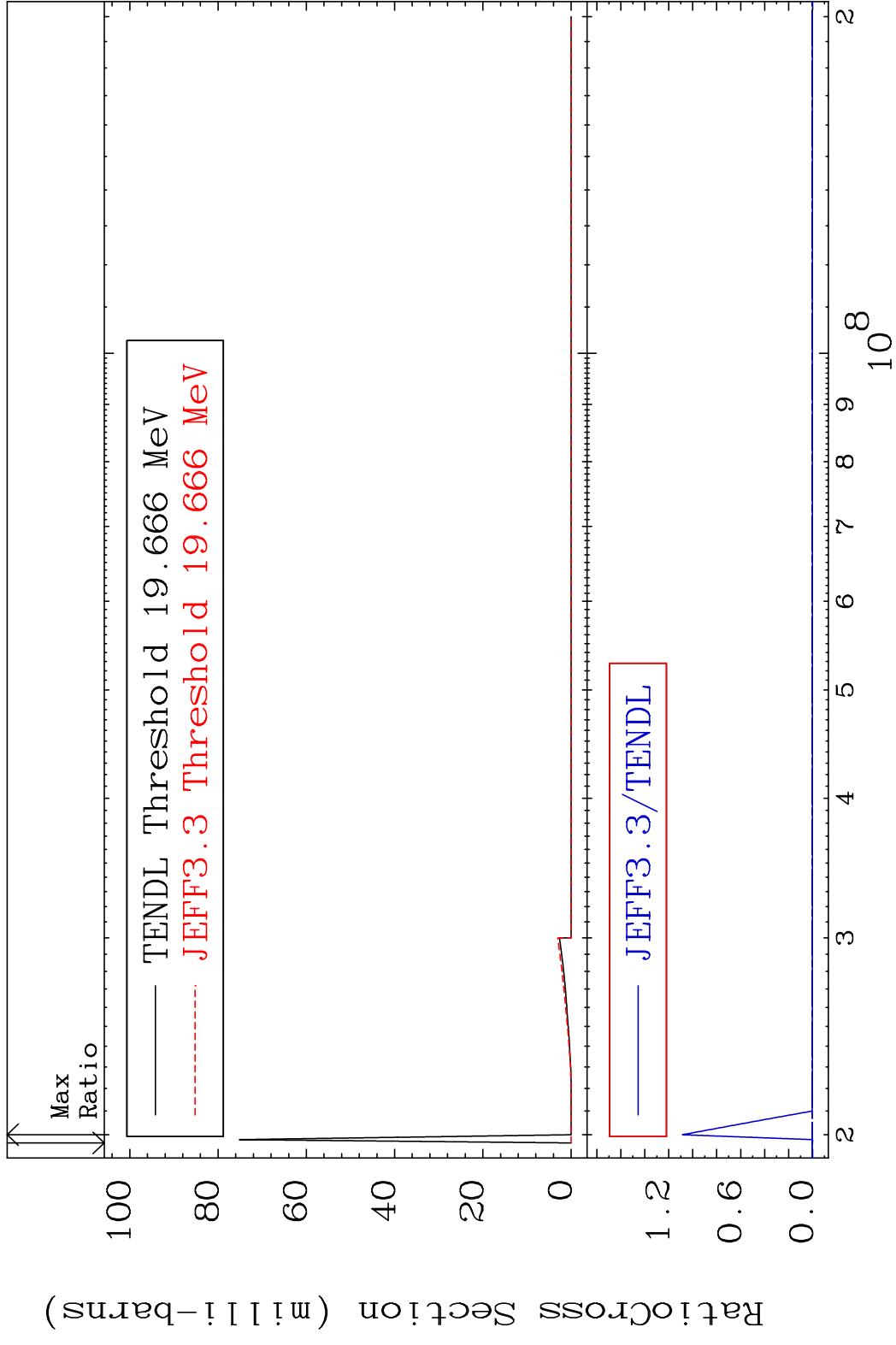


MAT 2025 Dpa disappearance (mt102 -120) 20-Ca-40  
 Cross Section -77.93 To 1189. %

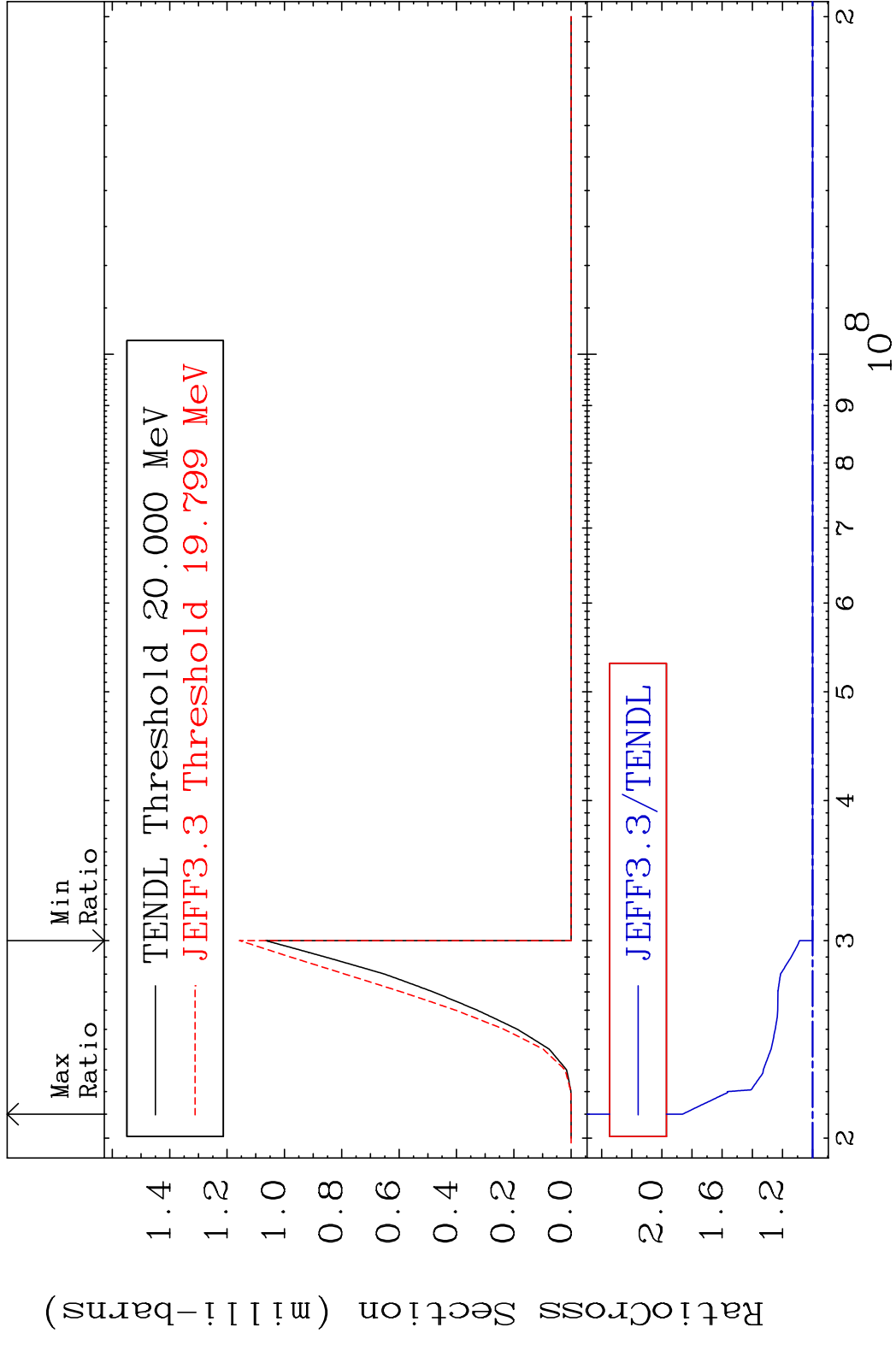


62 Incident Energy (eV) 20-Ca-40

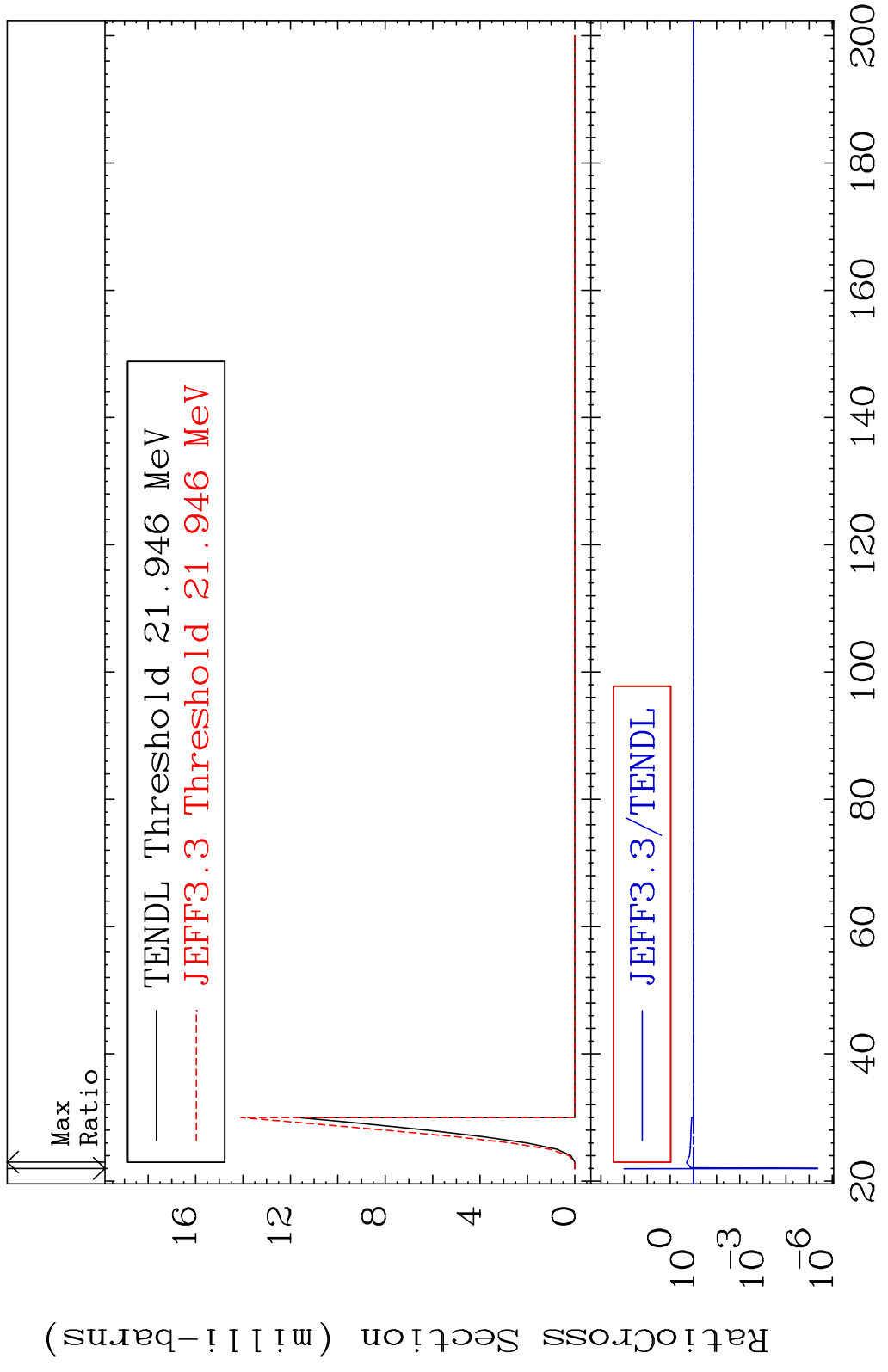
MAT 2025 (n, n') d:19-K -38g 20-Ca-40  
 Radionuclide Production Cross Section 100.0000 to 9999. %



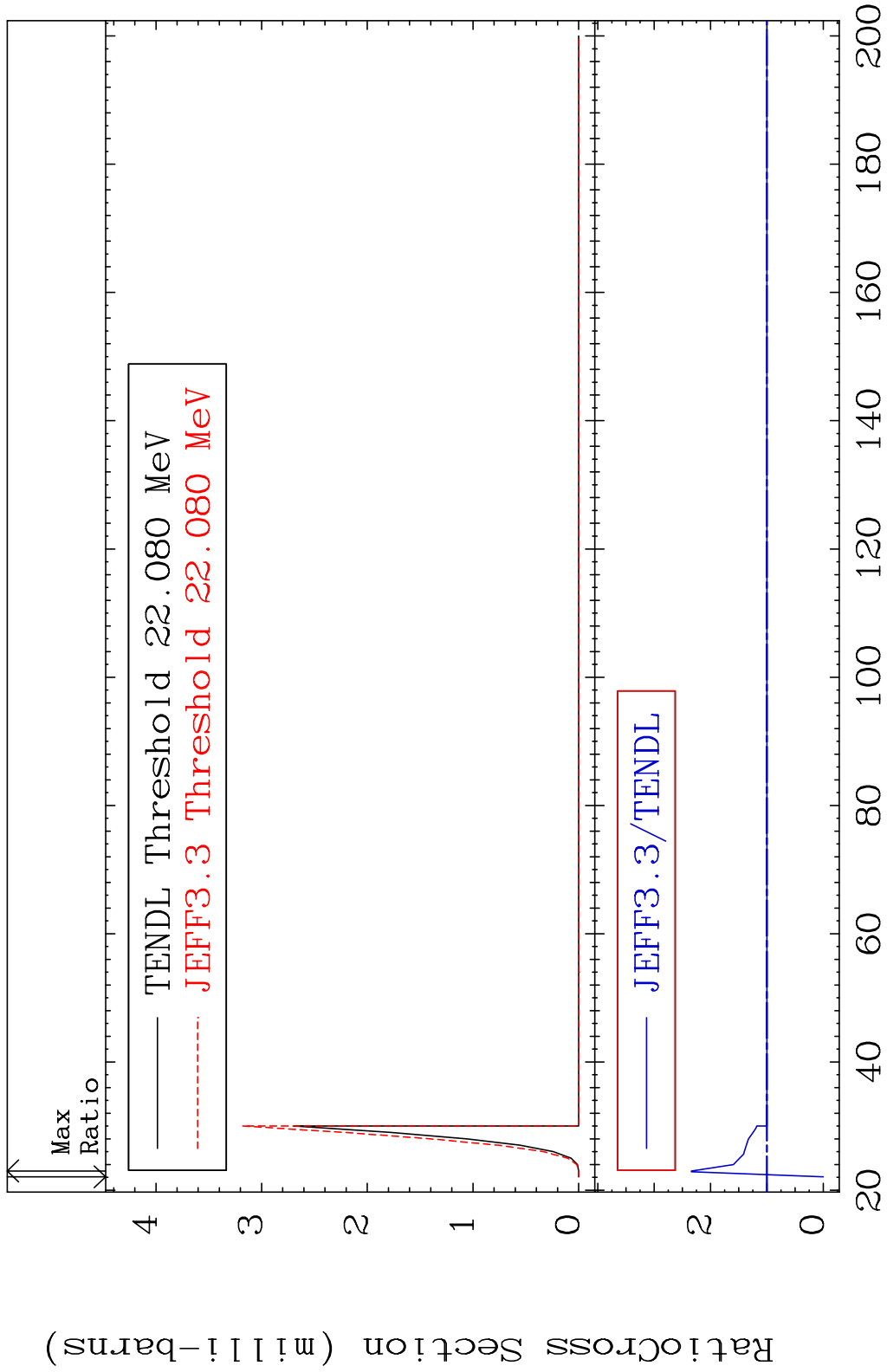


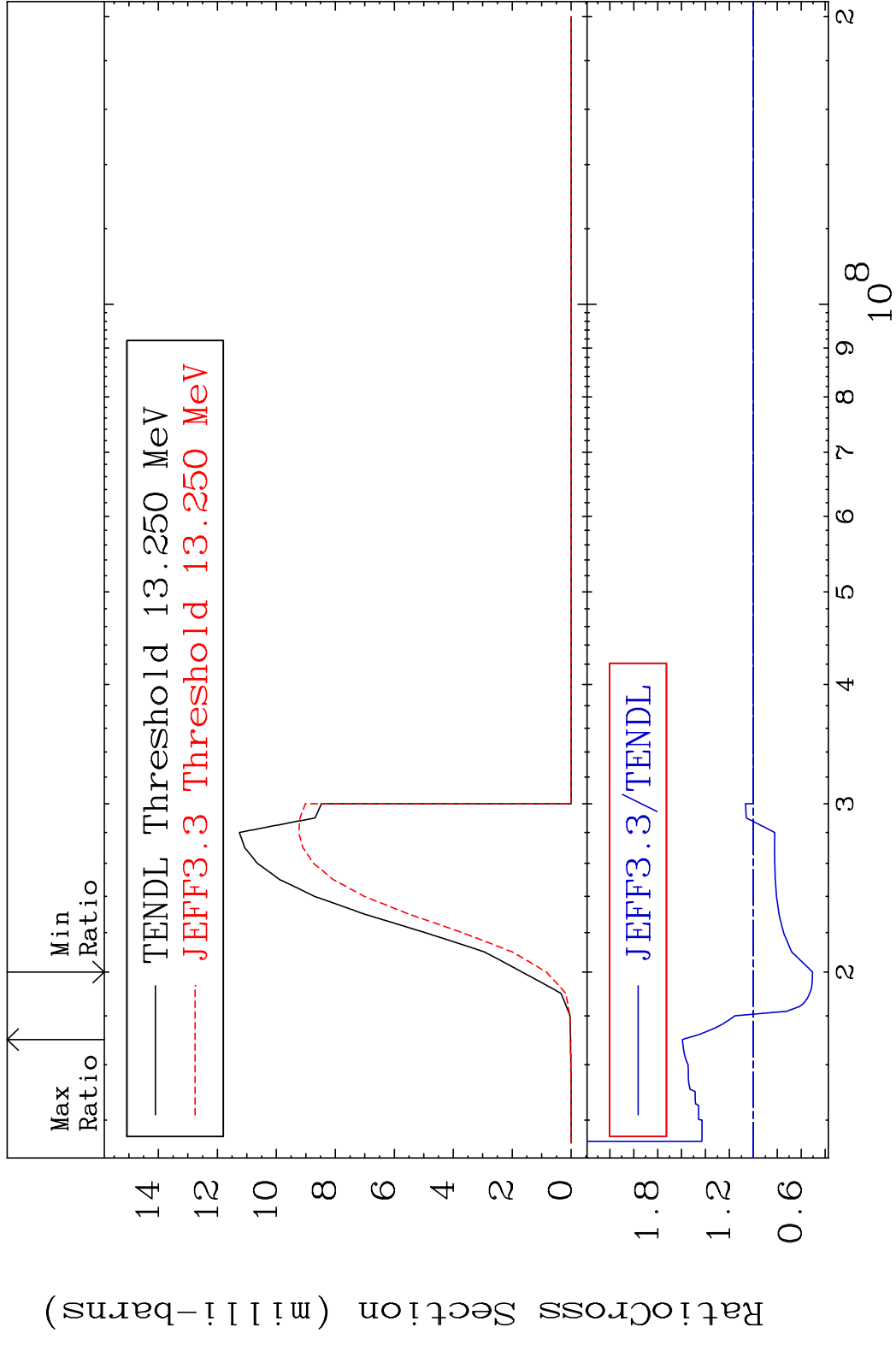


MAT 2025 (n,2n) p:19-K -38g 20-Ca-40  
 Radionuclide Production Cross Section 180c01.dfo 95.91 %



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 %

