

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

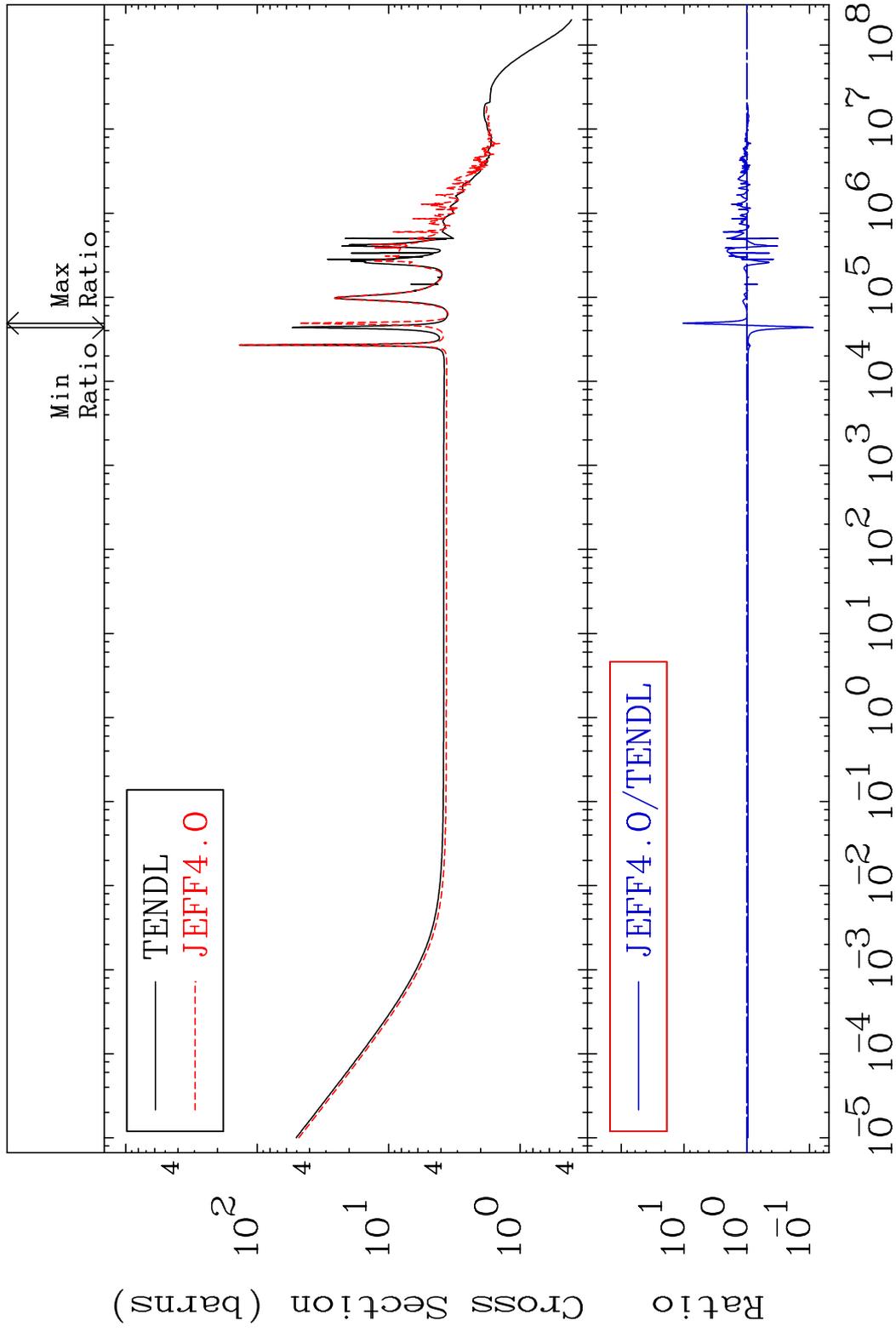
MAT 925

Total

9-F -19

Cross Section

-91.26 To 941.3 %



1

Incident Energy (eV)

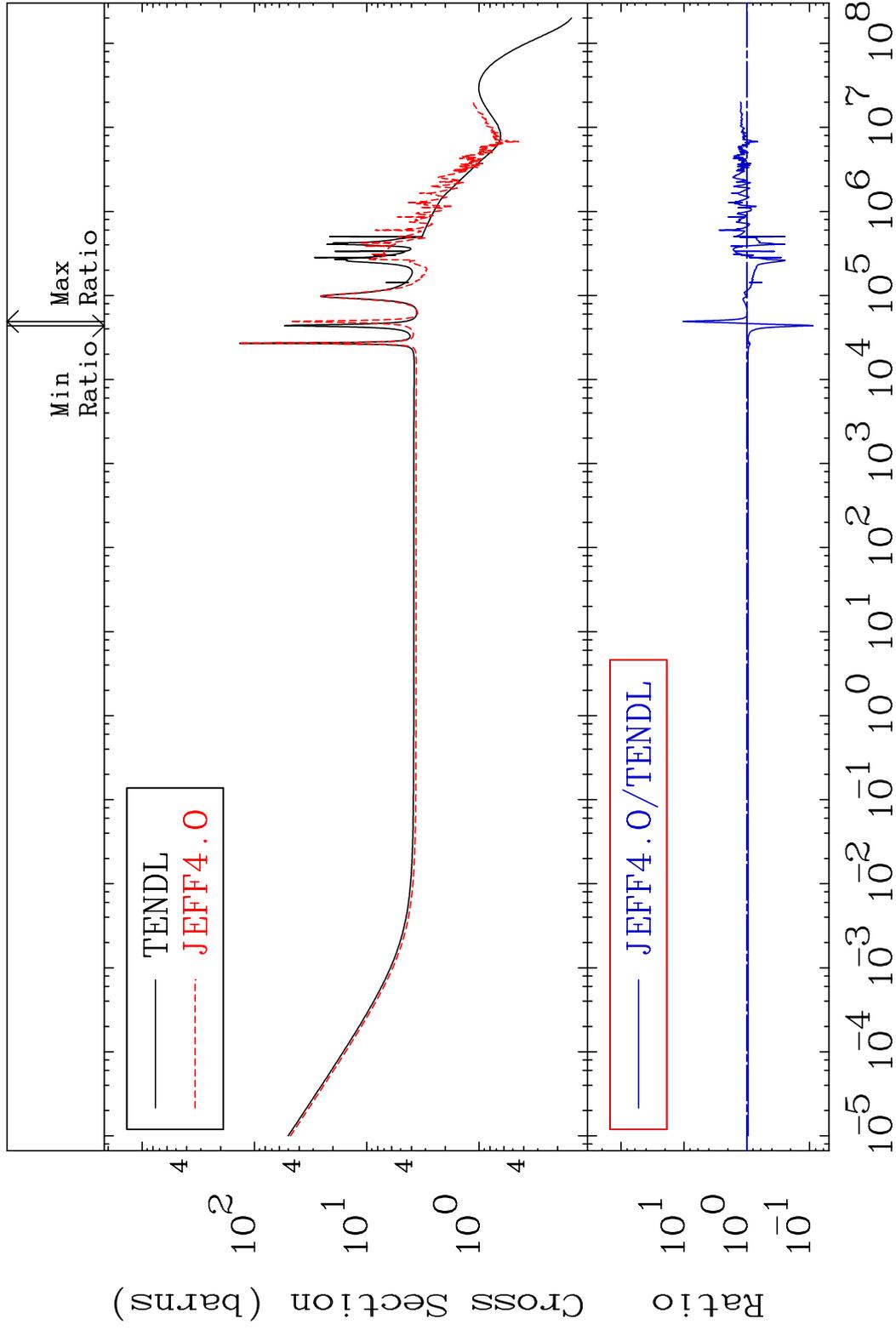
9-F -19

MAT 925

Elastic

9-F -19

Cross Section -91.21 To 940.6 %

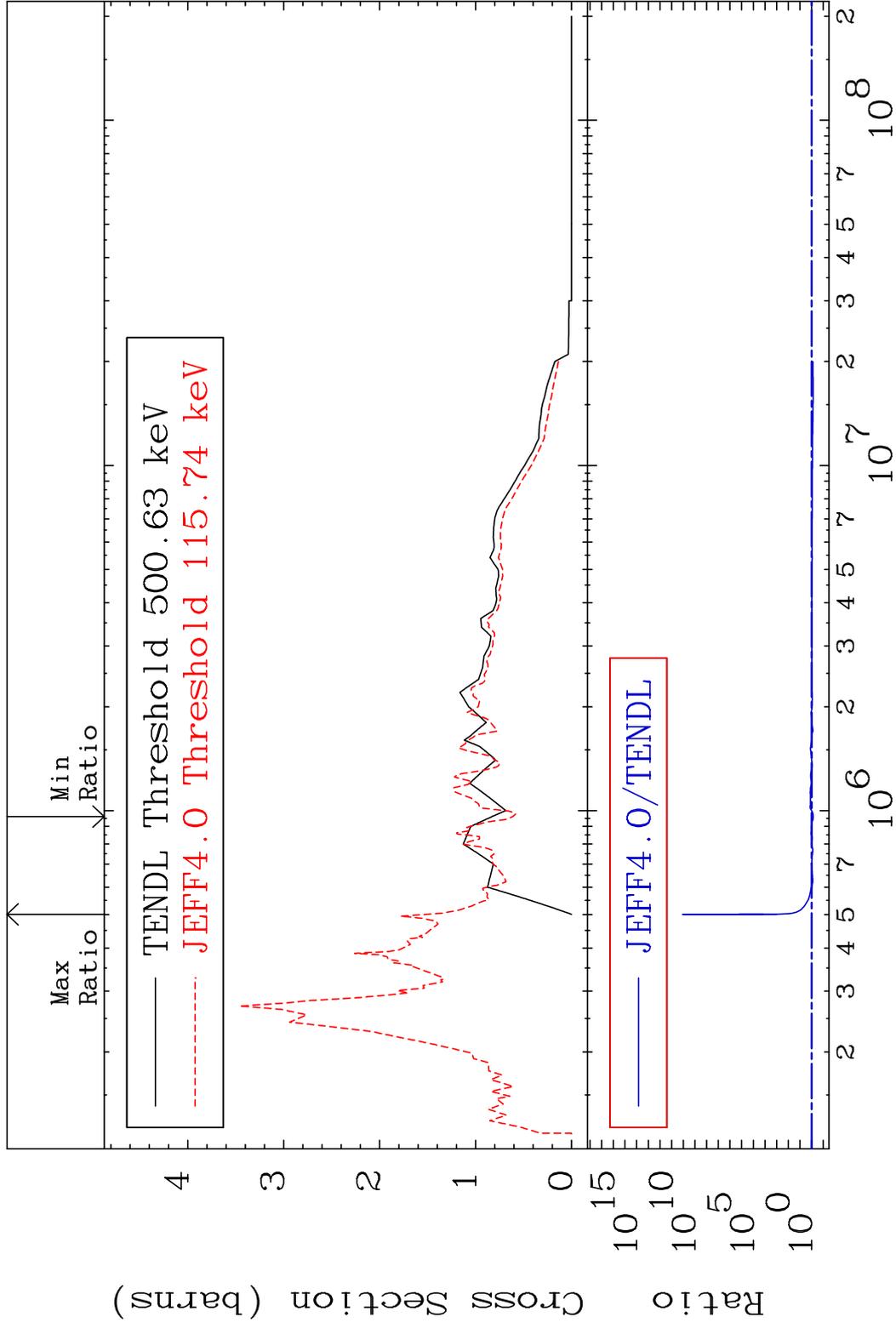


2

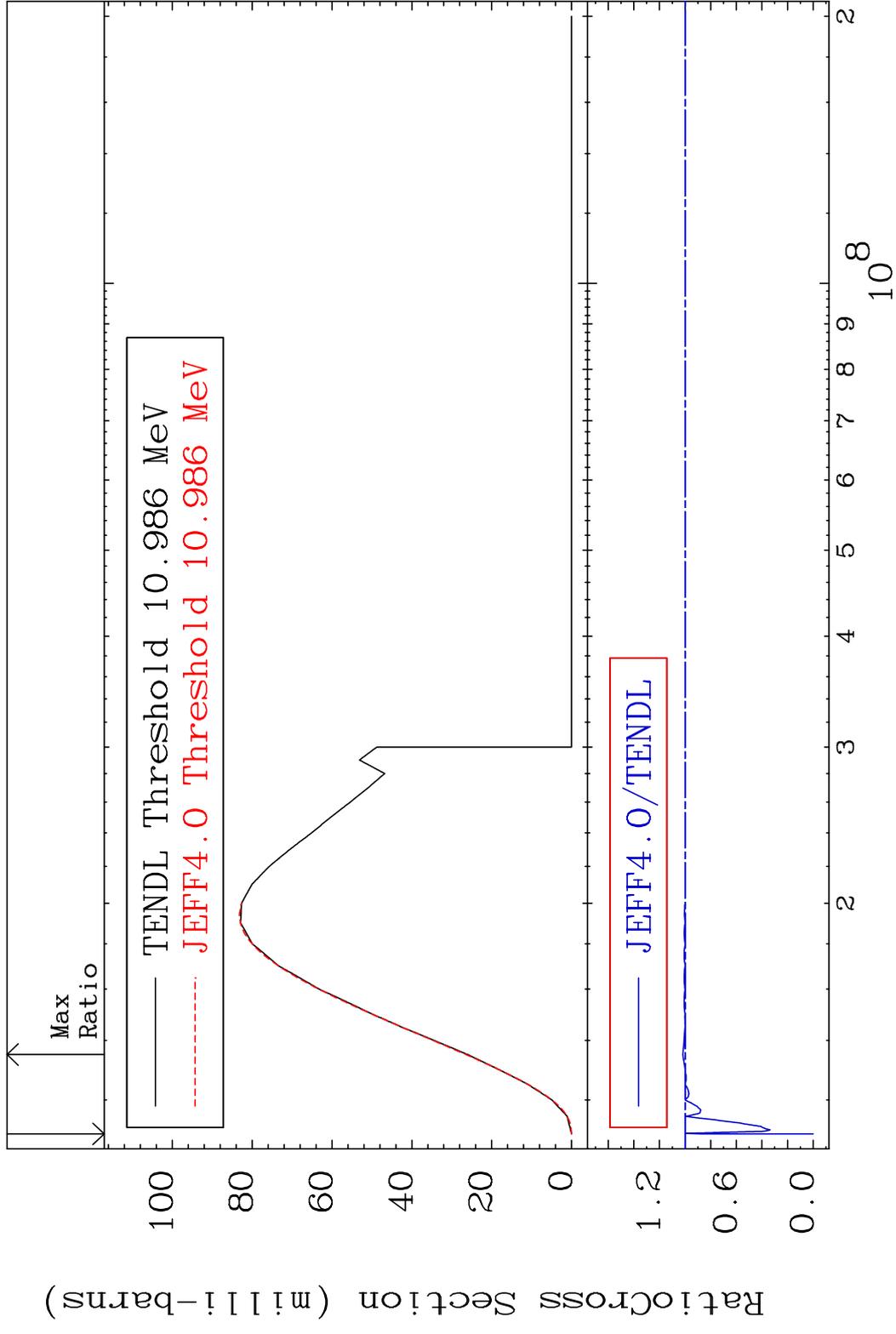
Incident Energy (eV)

9-F -19

MAT 925 Inelastic 9-F -19
 Cross Section -25.82 To 9999. %



MAT 925 (n,2n) 9-F -19
 Cross Section -100.0 To 1.748 %

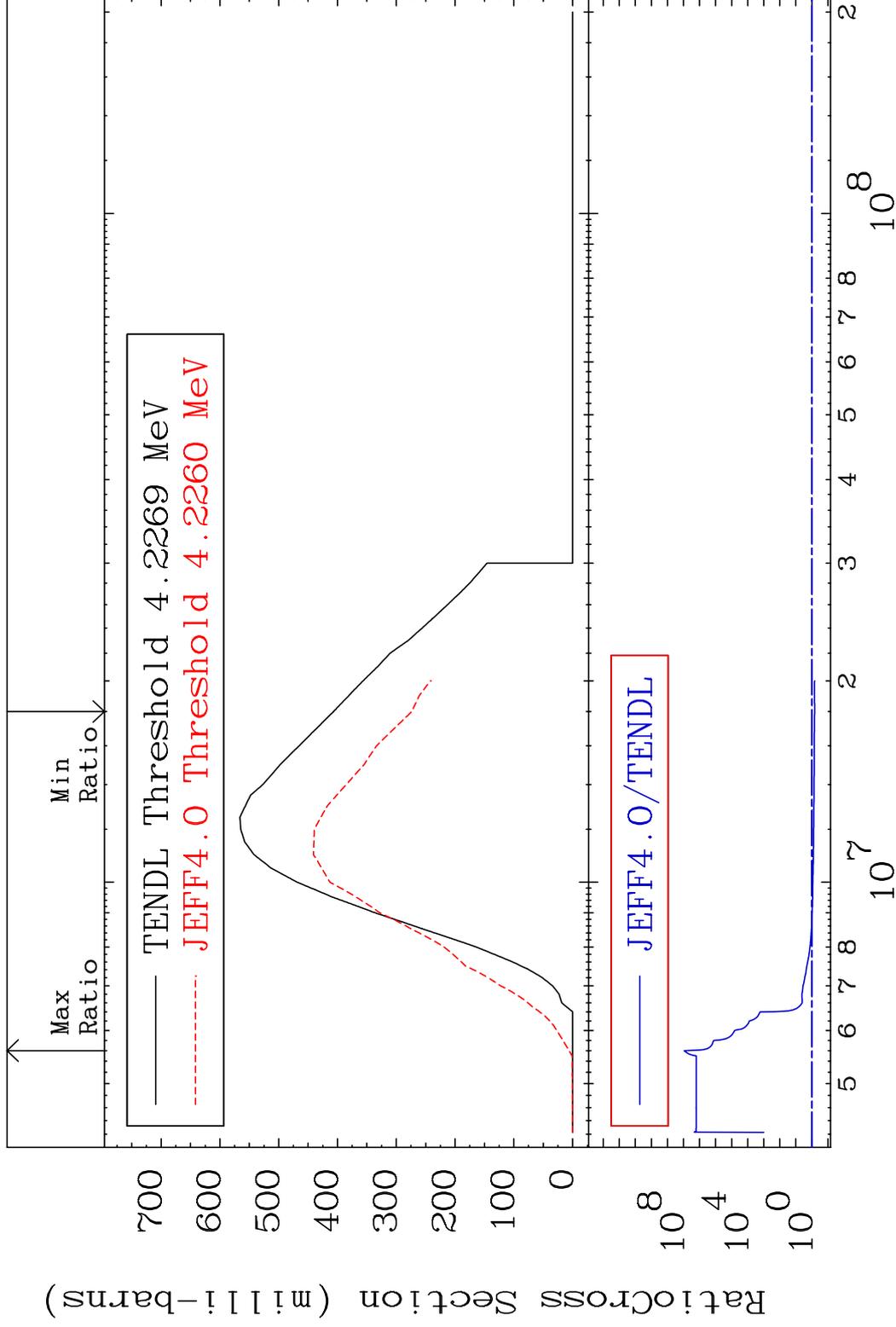


MAT 925

(n, n') α

9-F -19

Cross Section -32.72 To 9999. %



5

Incident Energy (eV)

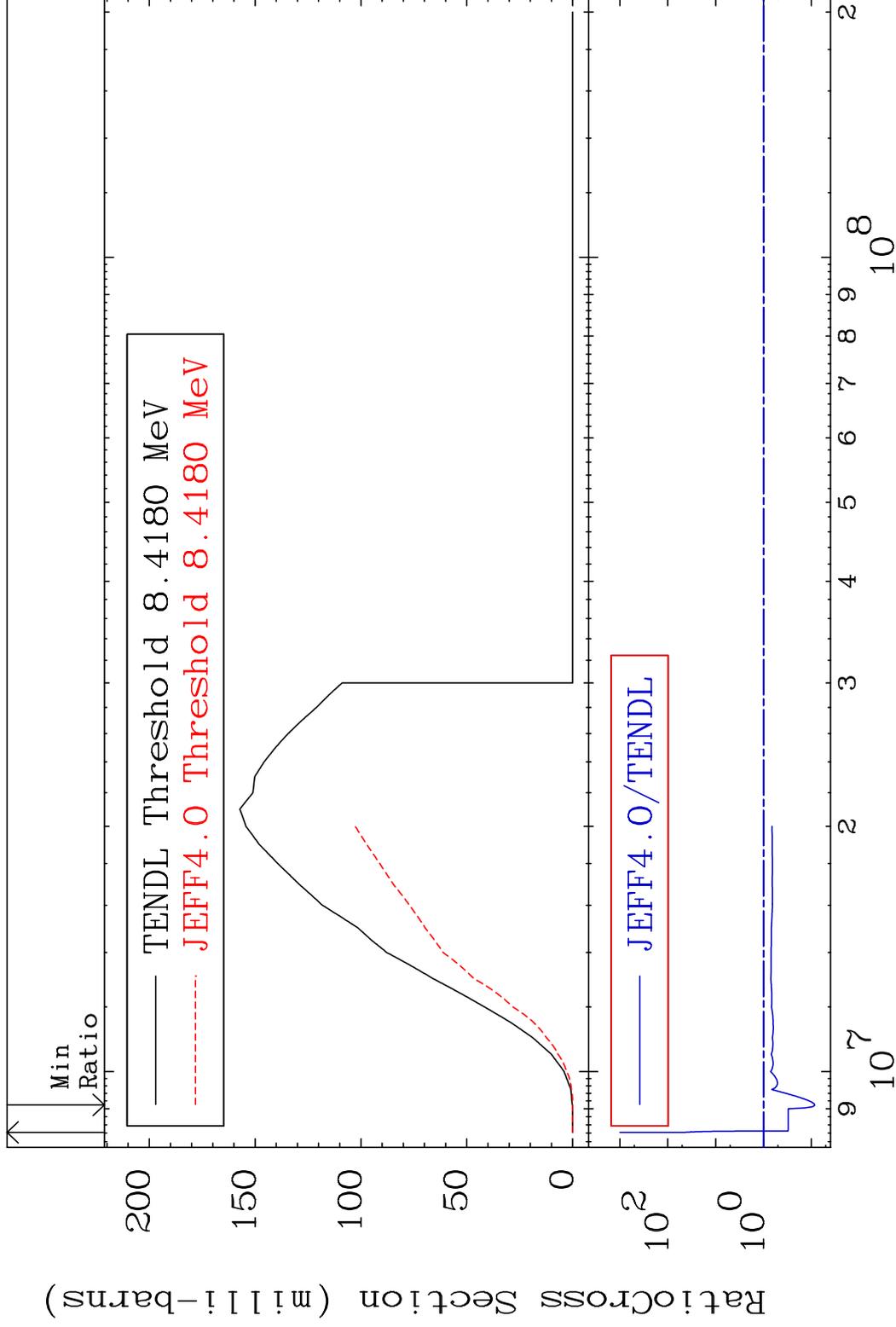
9-F -19

MAT 925

(n, n') p

9-F -19

Cross Section -91.46 To 4450. %

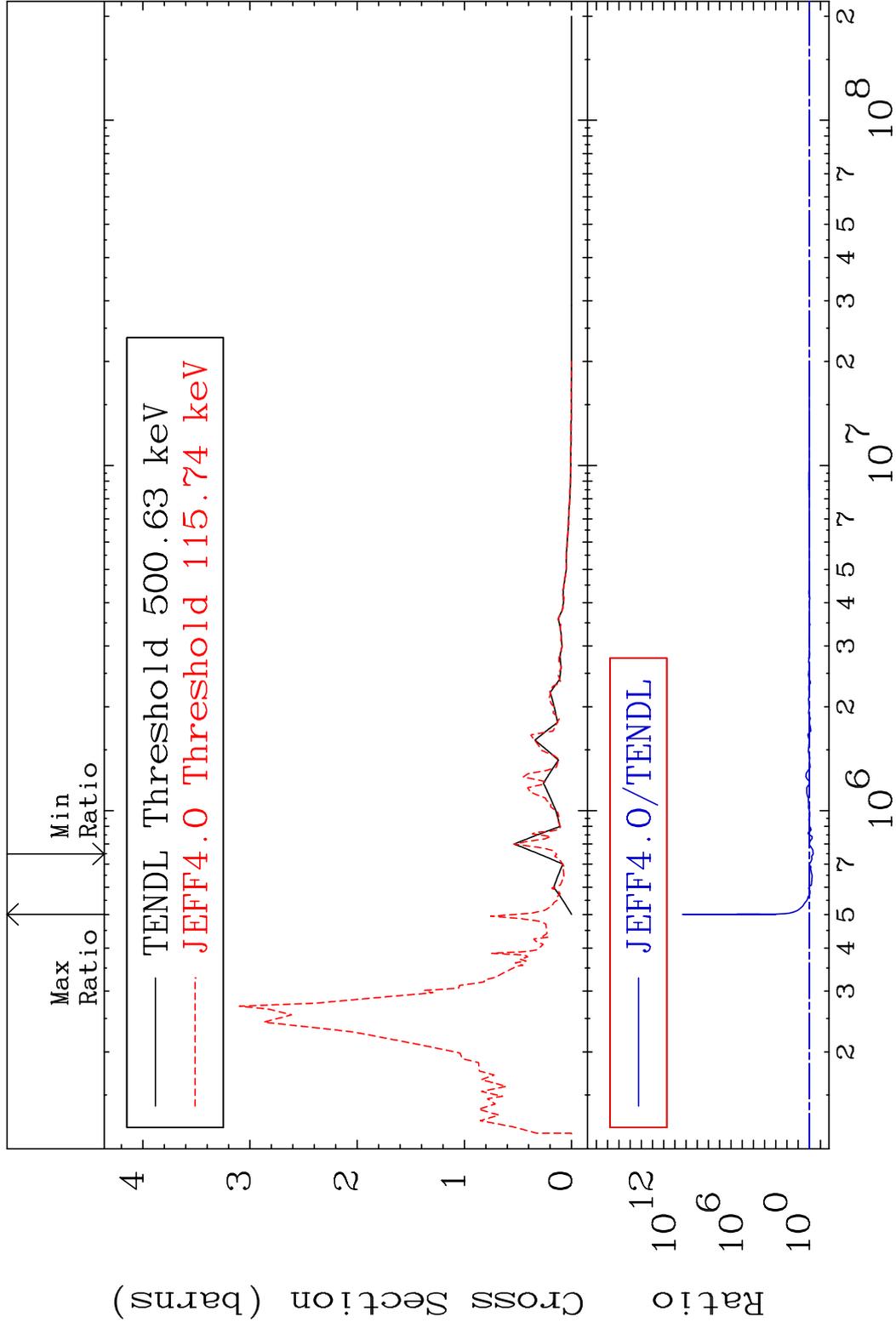


6

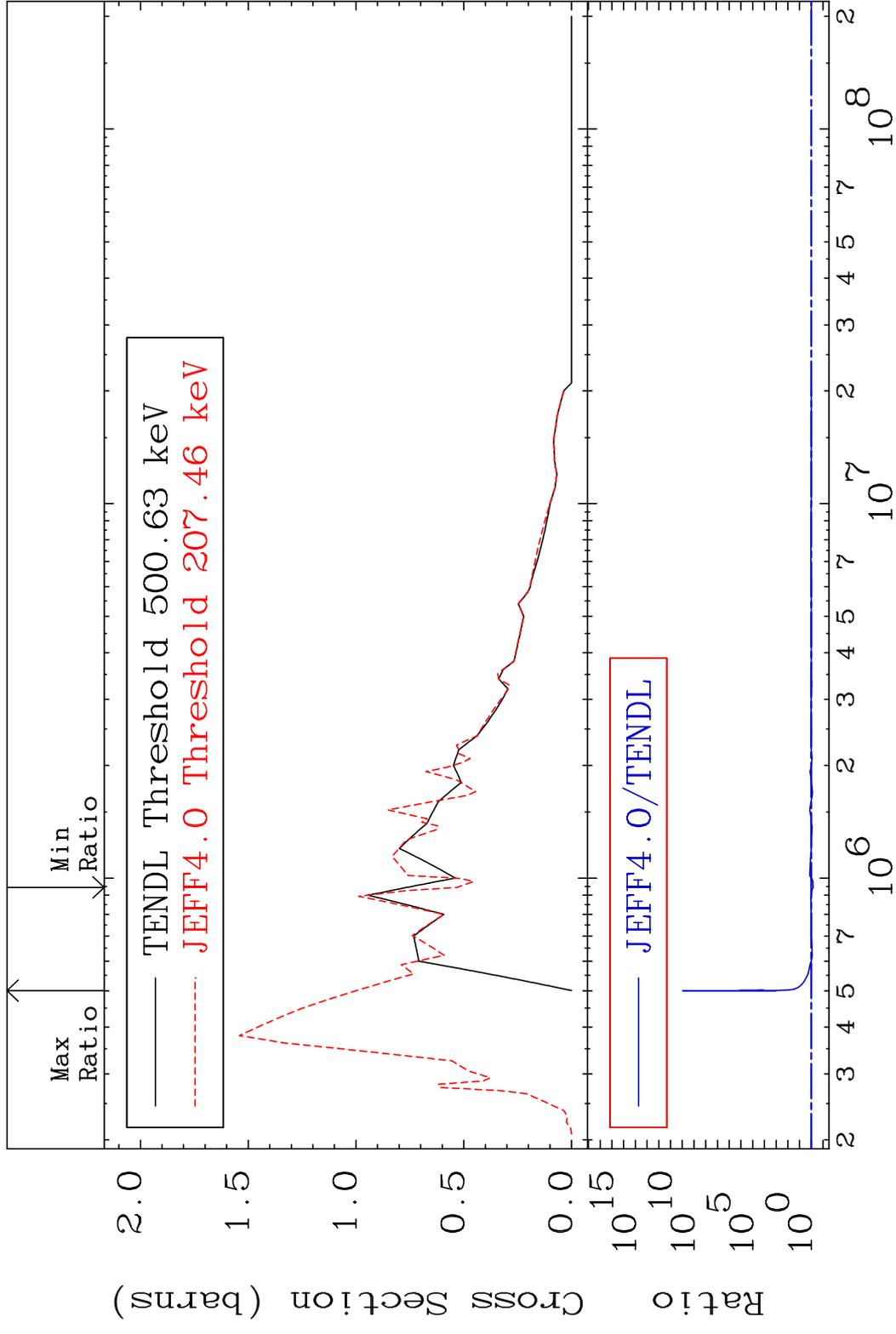
Incident Energy (eV)

9-F -19

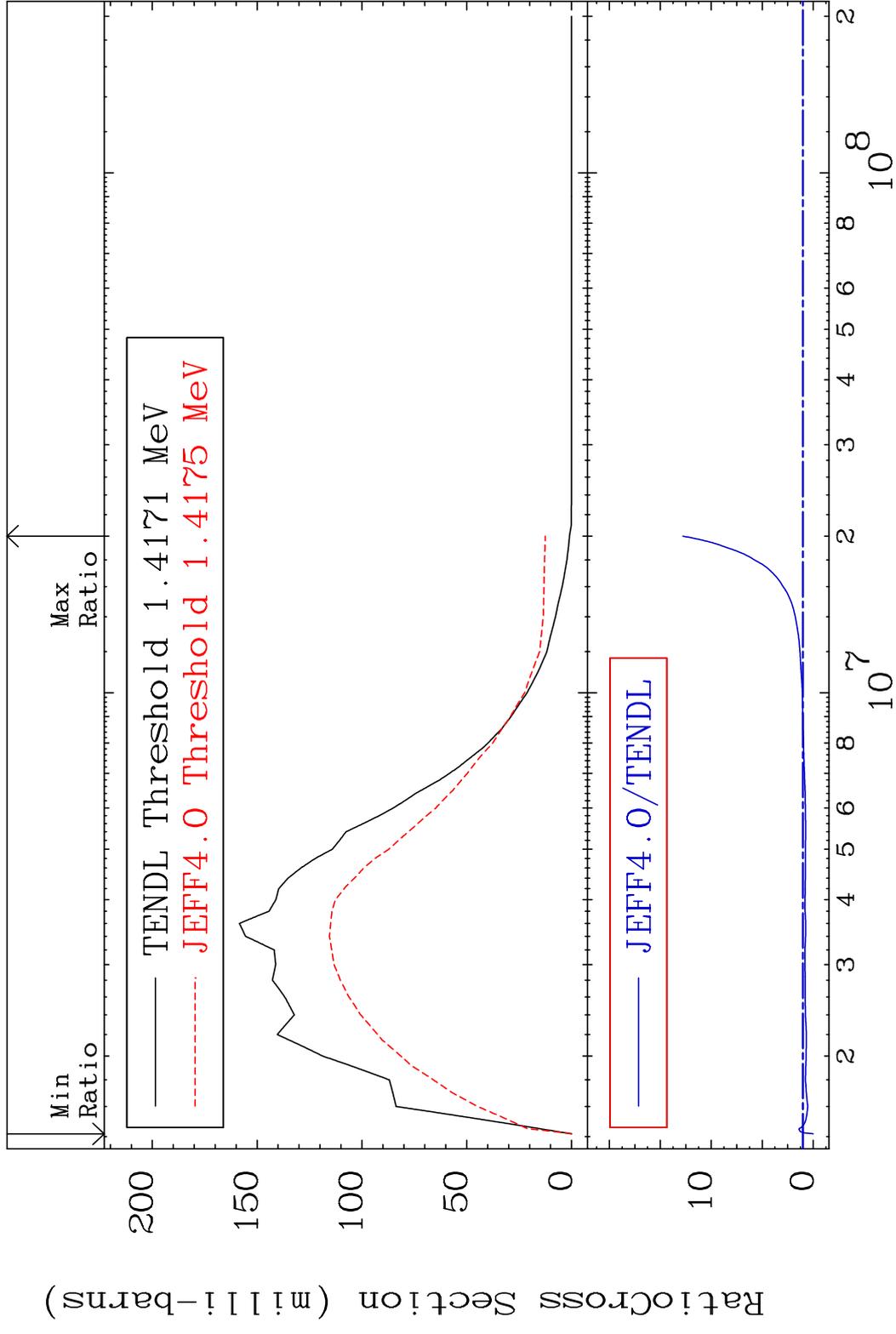
MAT 925 MT= 51 (n,n') Level 9-F -19
 Cross Section -54.17 To 9999. %



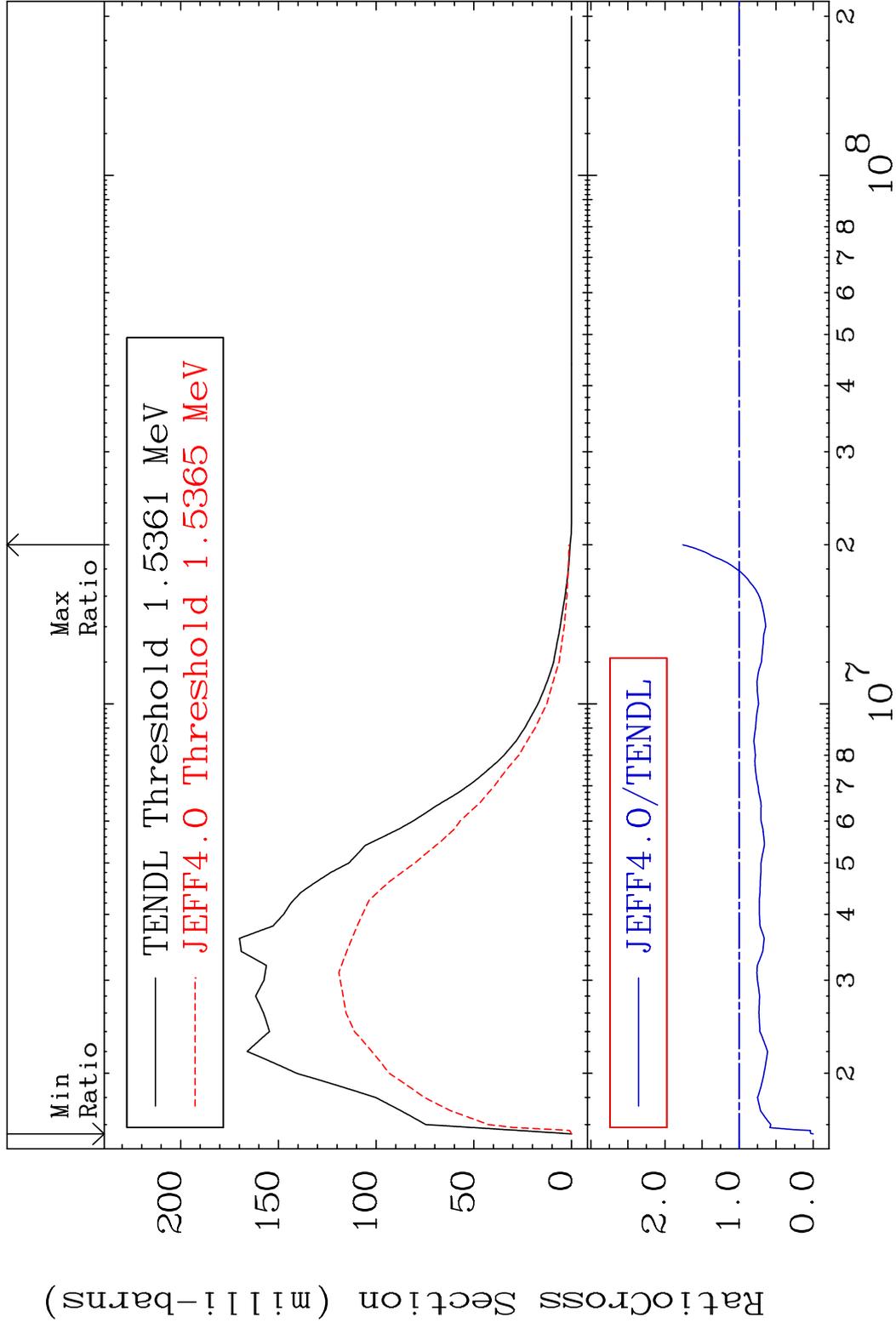
MAT 925 MT= 52 (n, n') Level 9-F -19
 Cross Section -30.27 To 9999. %



MAT 925 MT= 53 (n, n') Level 9-F -19
 Cross Section -100.0 To 1179. %

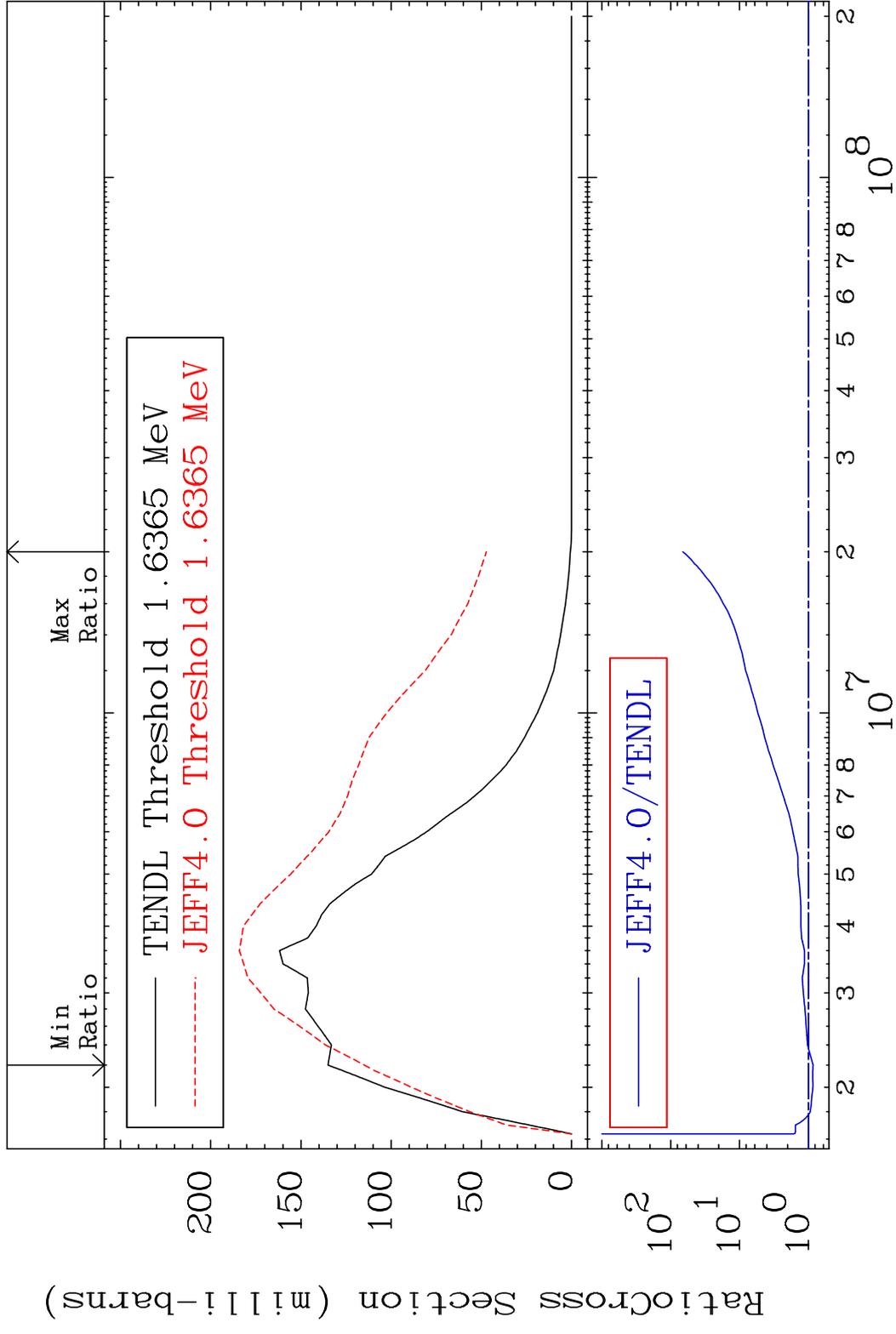


MAT 925 MT= 54 (n, n') Level 9-F -19
 Cross Section -100.0 To 75.90 %

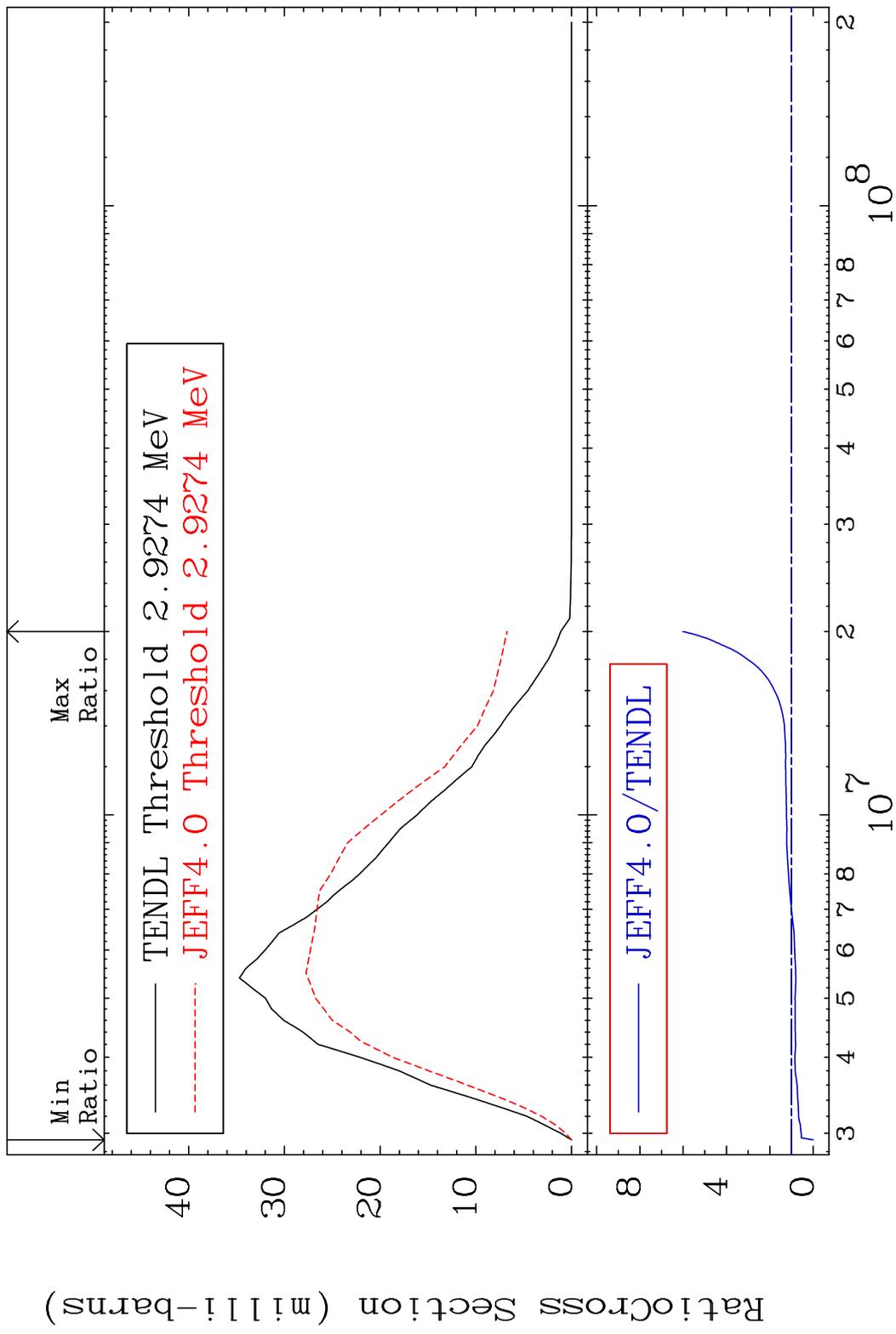


10 Incident Energy (eV) 9-F -19

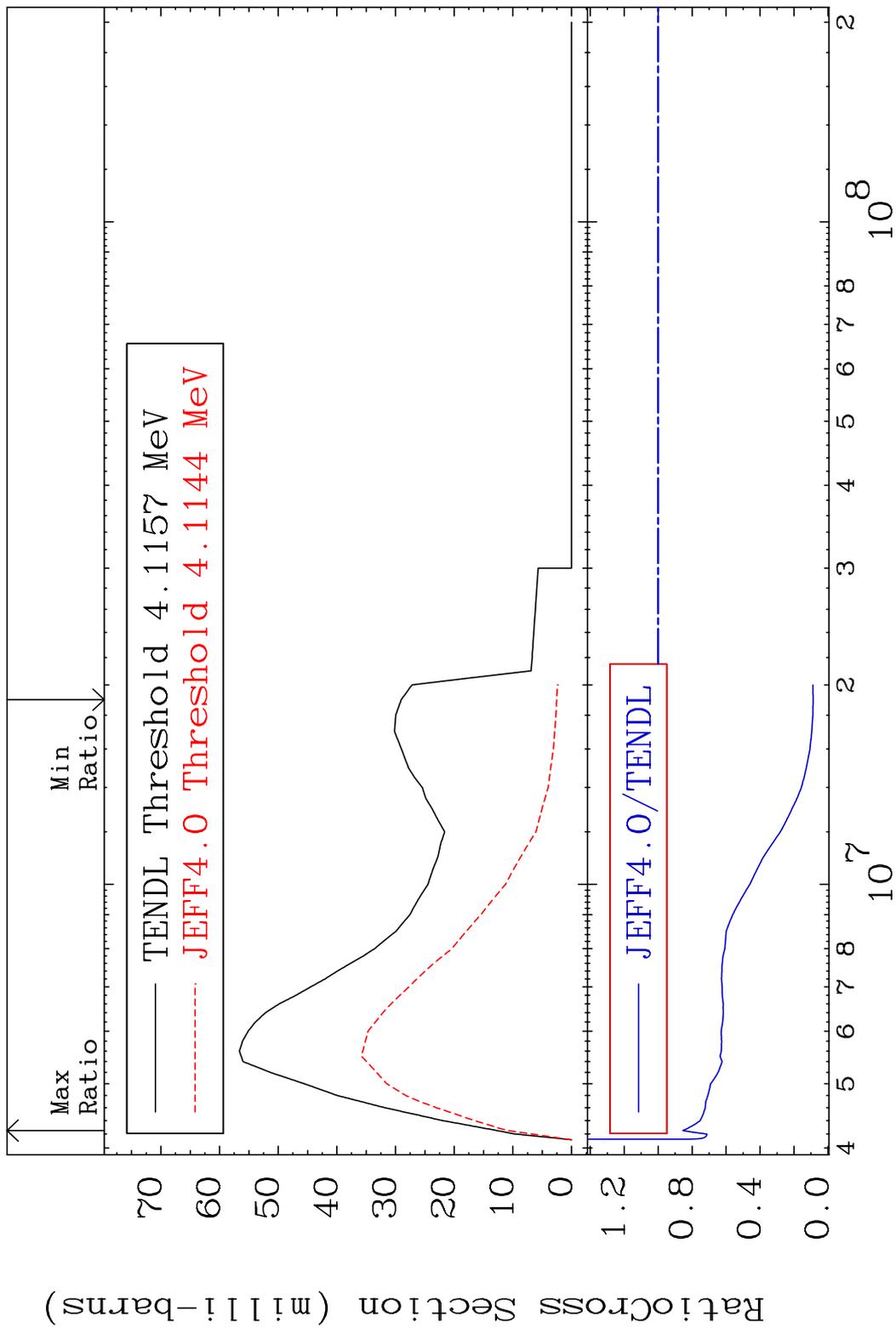
MAT 925 MT= 55 (n, n') Level 9-F -19
 Cross Section -14.94 To 6562. %



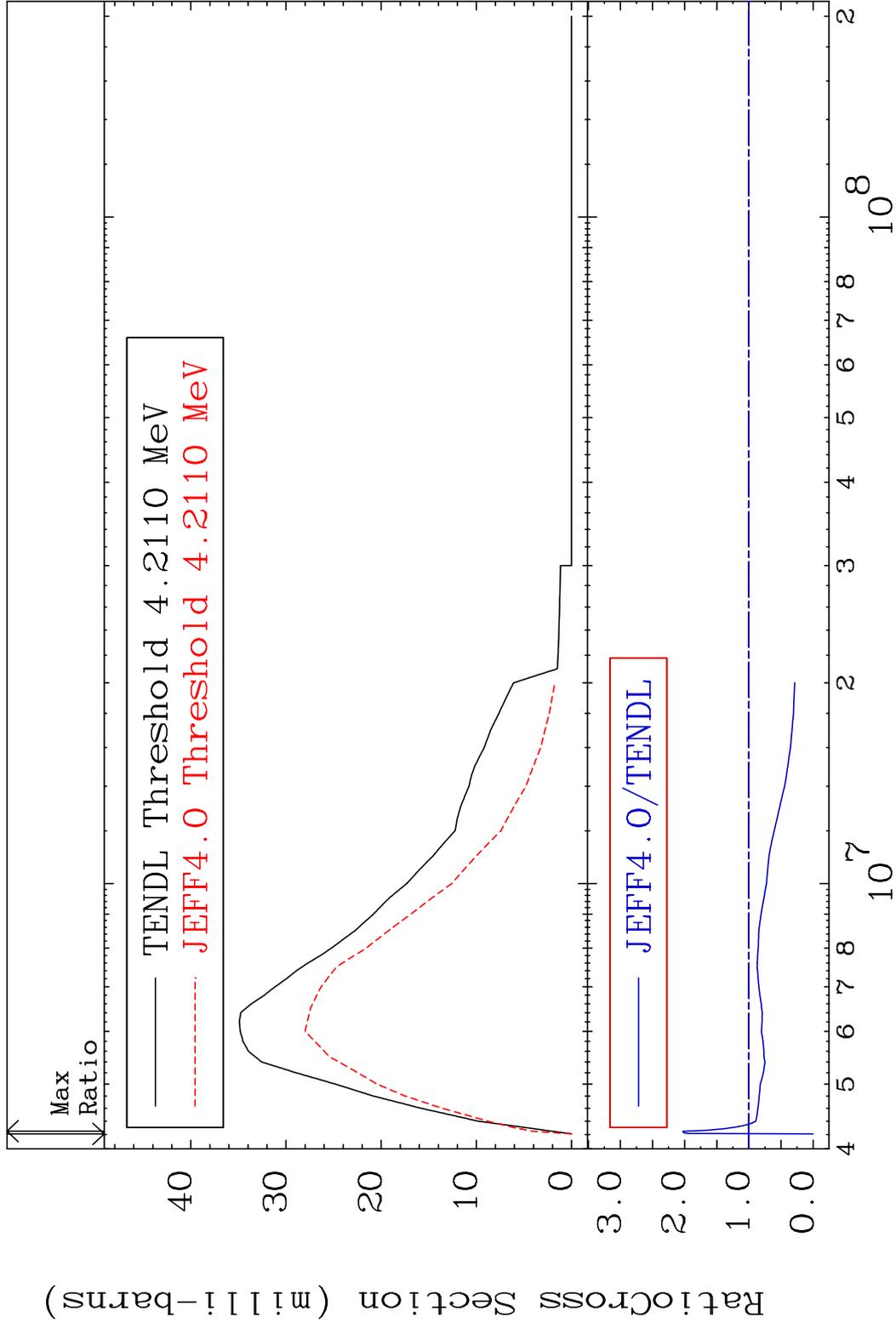
MAT 925 MT= 56 (n, n') Level 9-F -19
 Cross Section -100.0 To 501.7 %



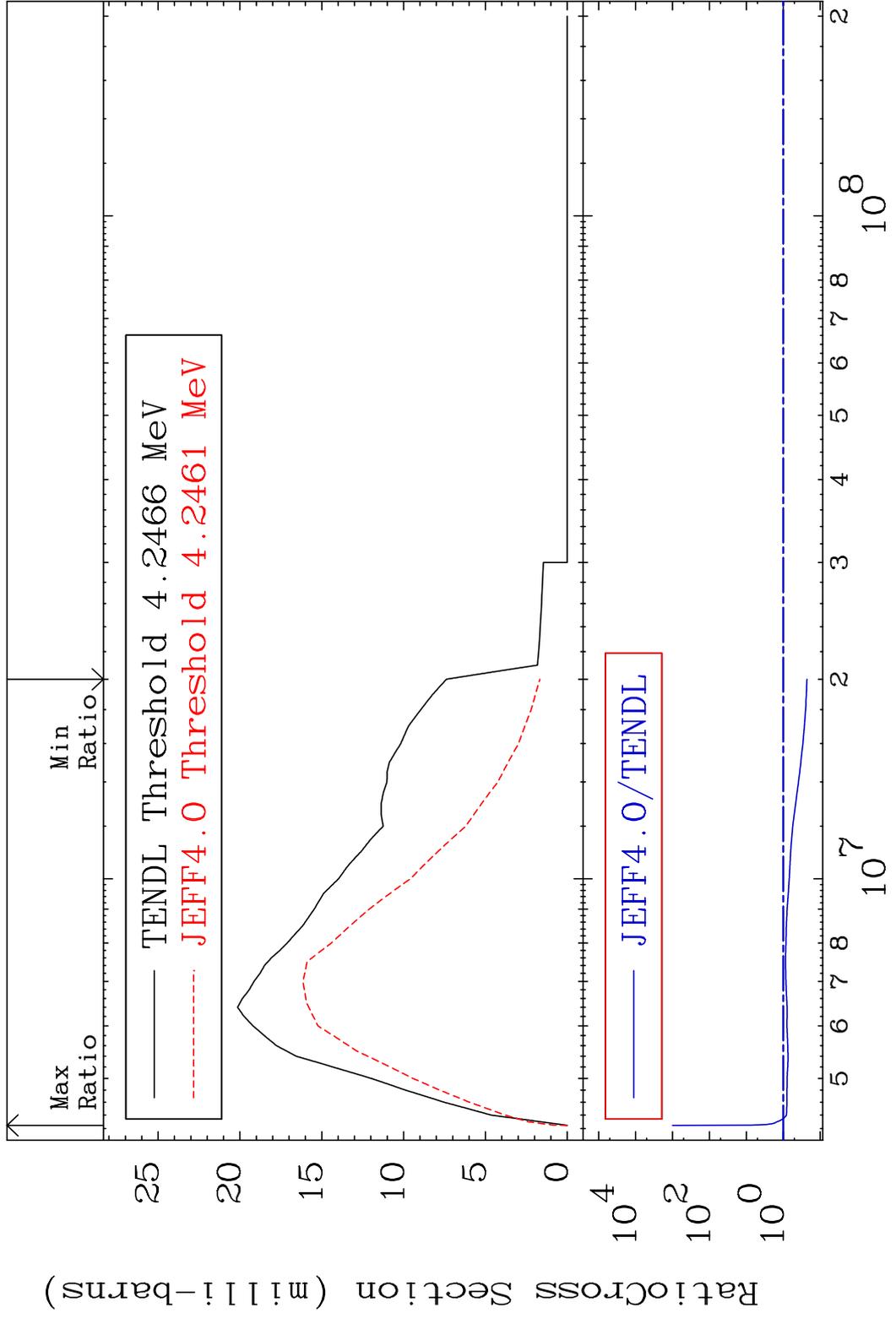
MAT 925 MT= 57 (n,n') Level 9-F -19
 Cross Section -91.25 To -14.51%



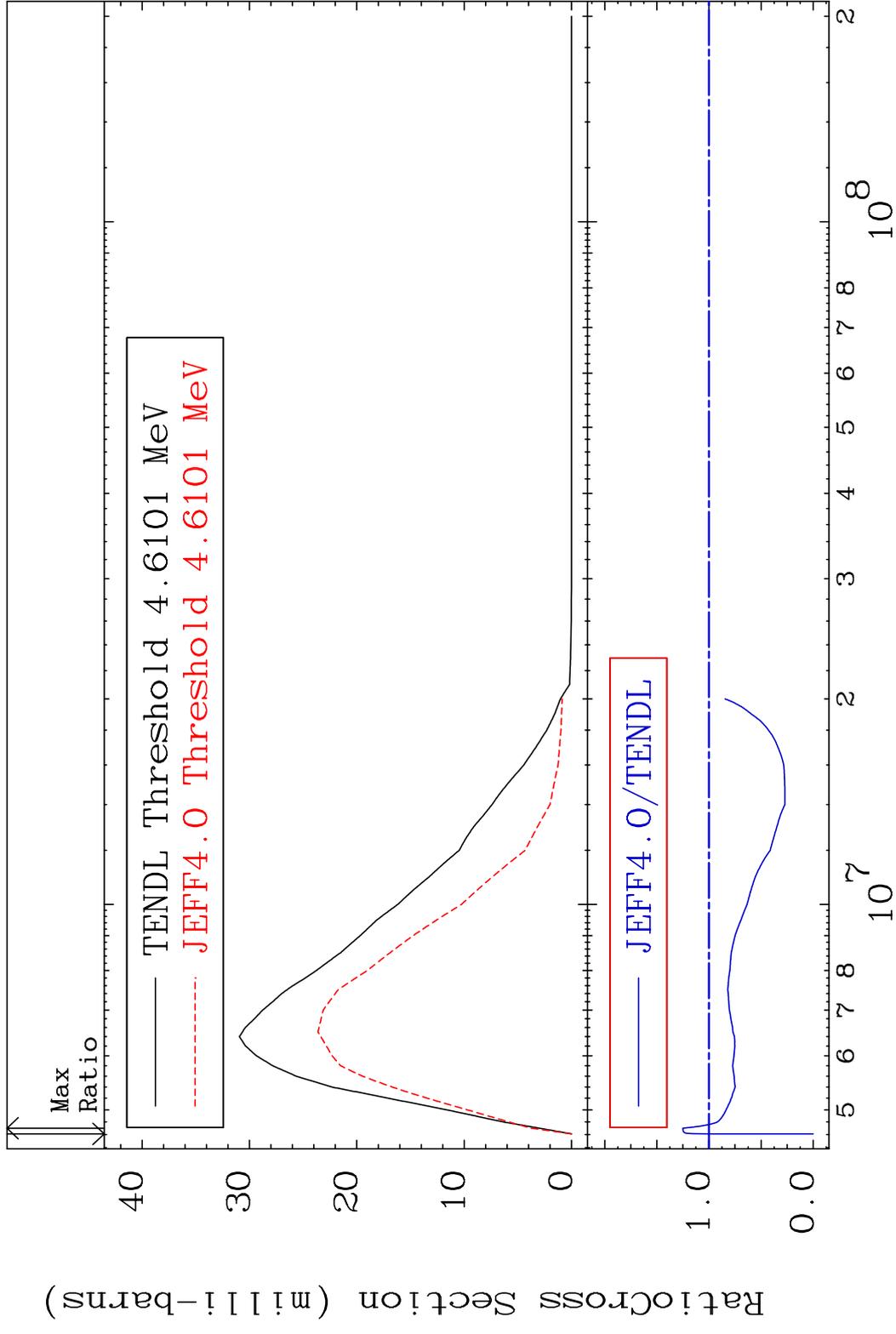
MAT 925 MT= 58 (n, n') Level 9-F -19
 Cross Section -100.0 To 102.8 %



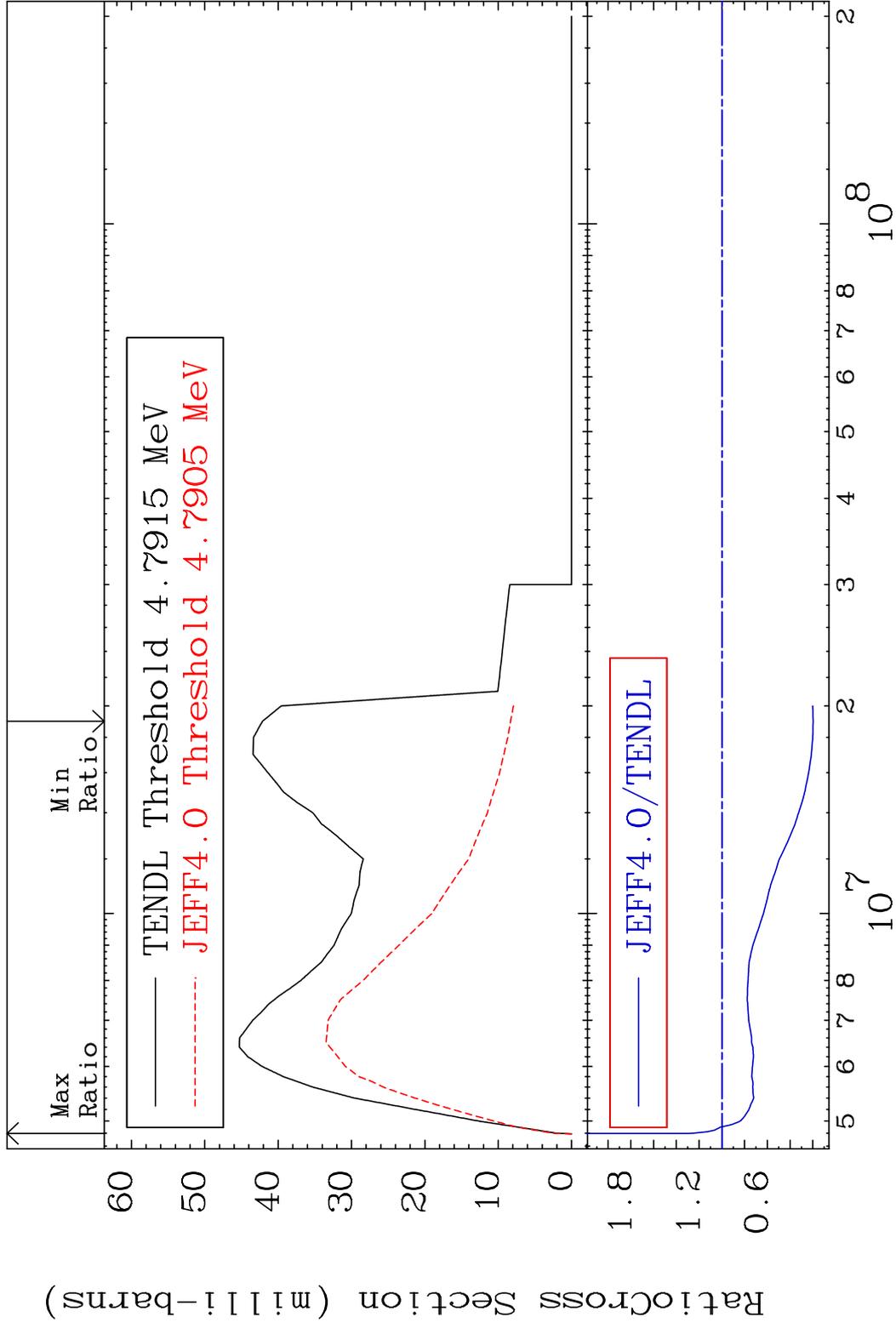
MAT 925 MT= 59 (n, n') Level 9-F -19
 Cross Section -77.34 To 9999. %



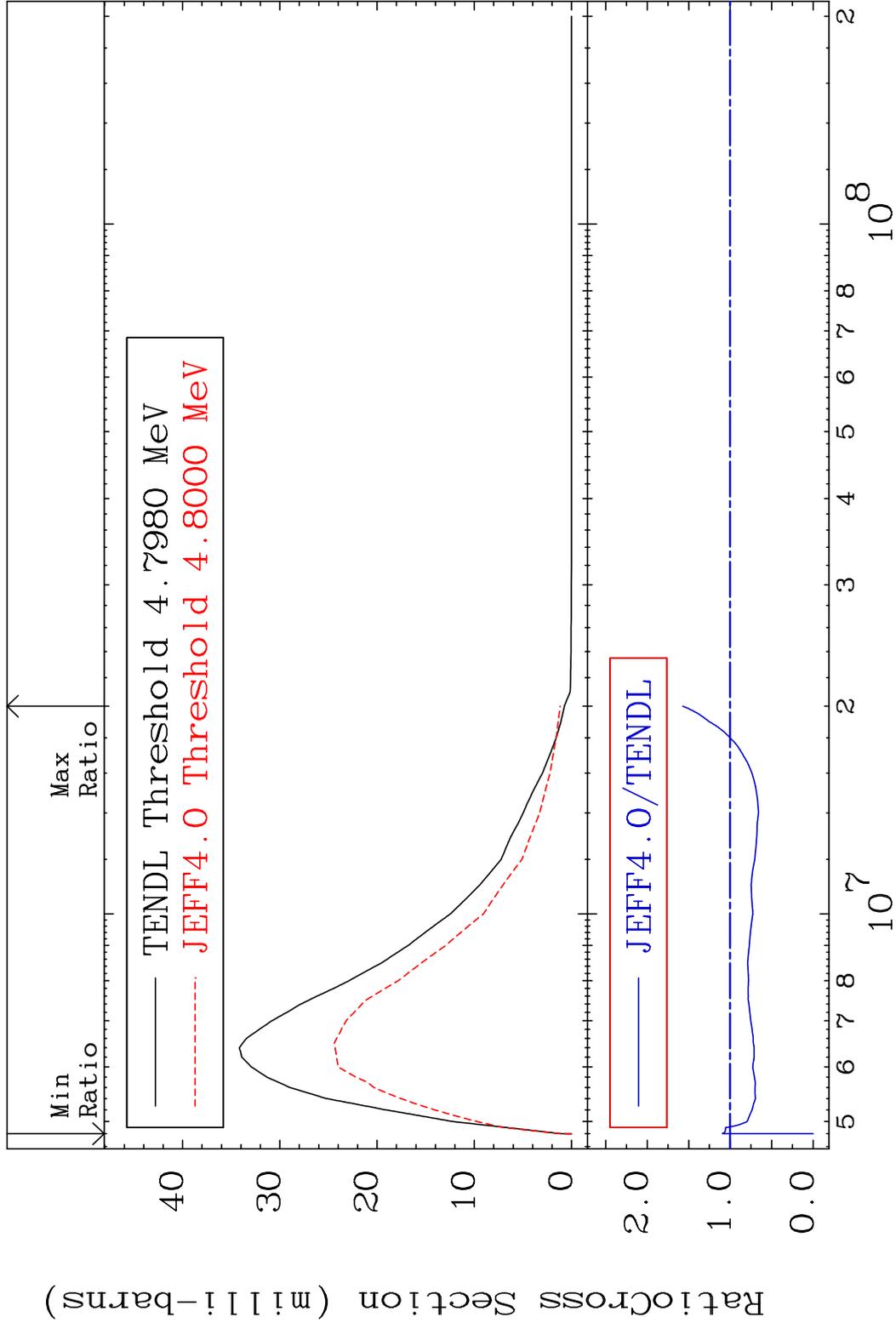
MAT 925 MT= 60 (n, n') Level 9-F -19
 Cross Section -100.0 To 25.10 %



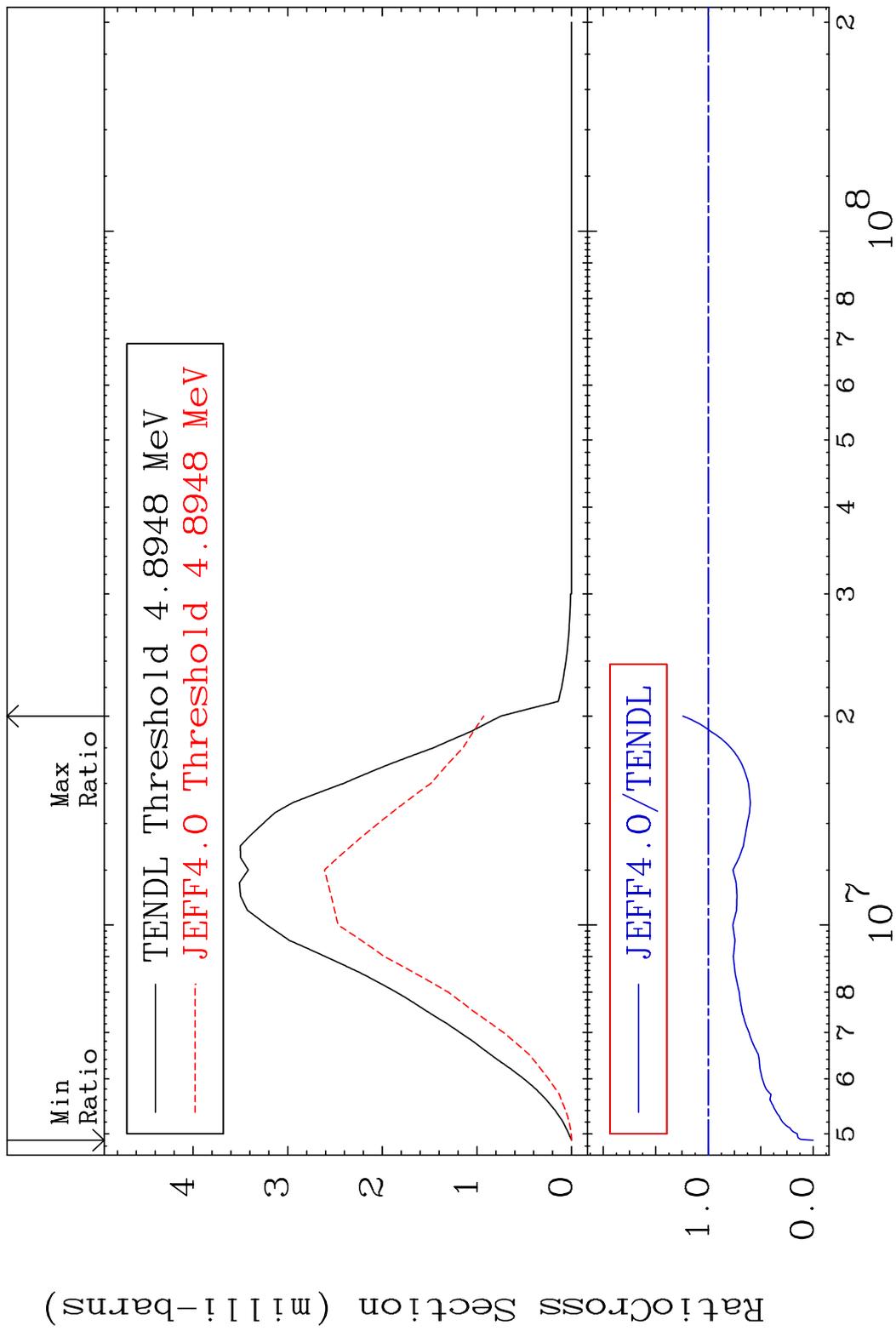
MAT 925 MT= 61 (n, n') Level 9-F -19
 Cross Section -80.29 To 34.30 %



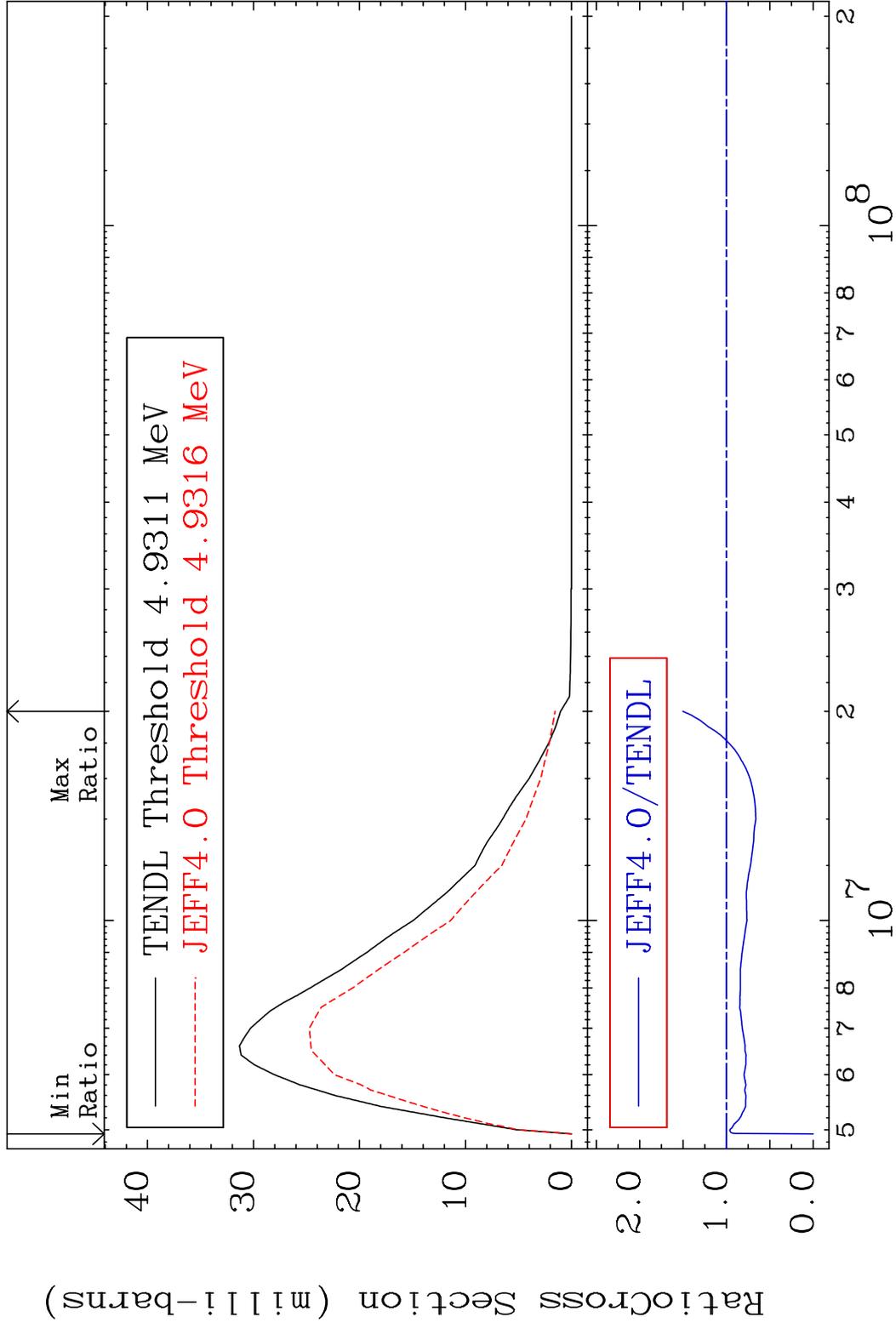
MAT 925 MT= 62 (n, n') Level 9-F -19
 Cross Section -100.0 To 57.09 %



MAT 925 MT= 63 (n, n') Level 9-F -19
 Cross Section -100.0 To 24.19 %

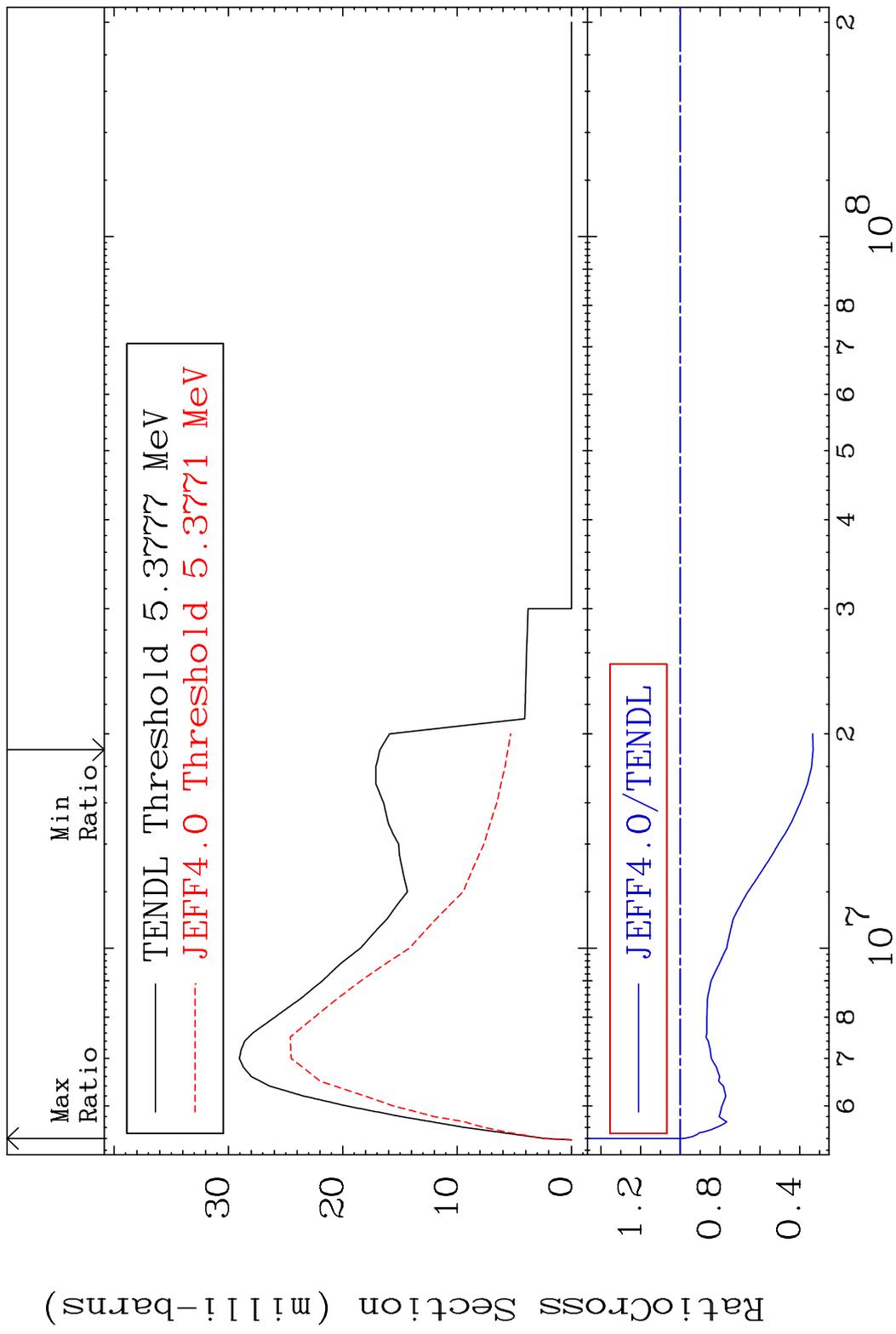


MAT 925 MT= 64 (n, n') Level 9-F -19
 Cross Section -100.0 To 50.21 %

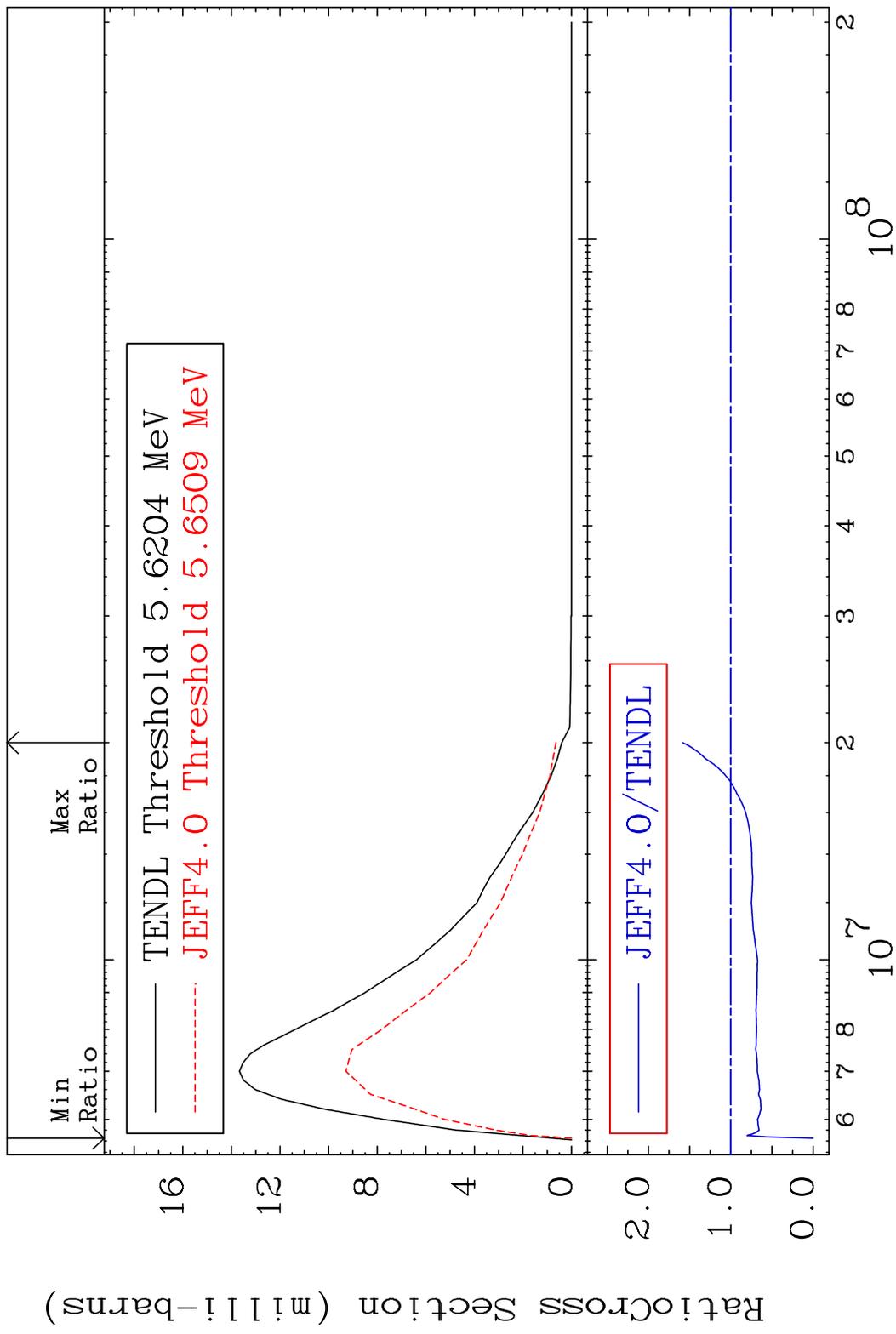


20 Incident Energy (eV) 9-F -19

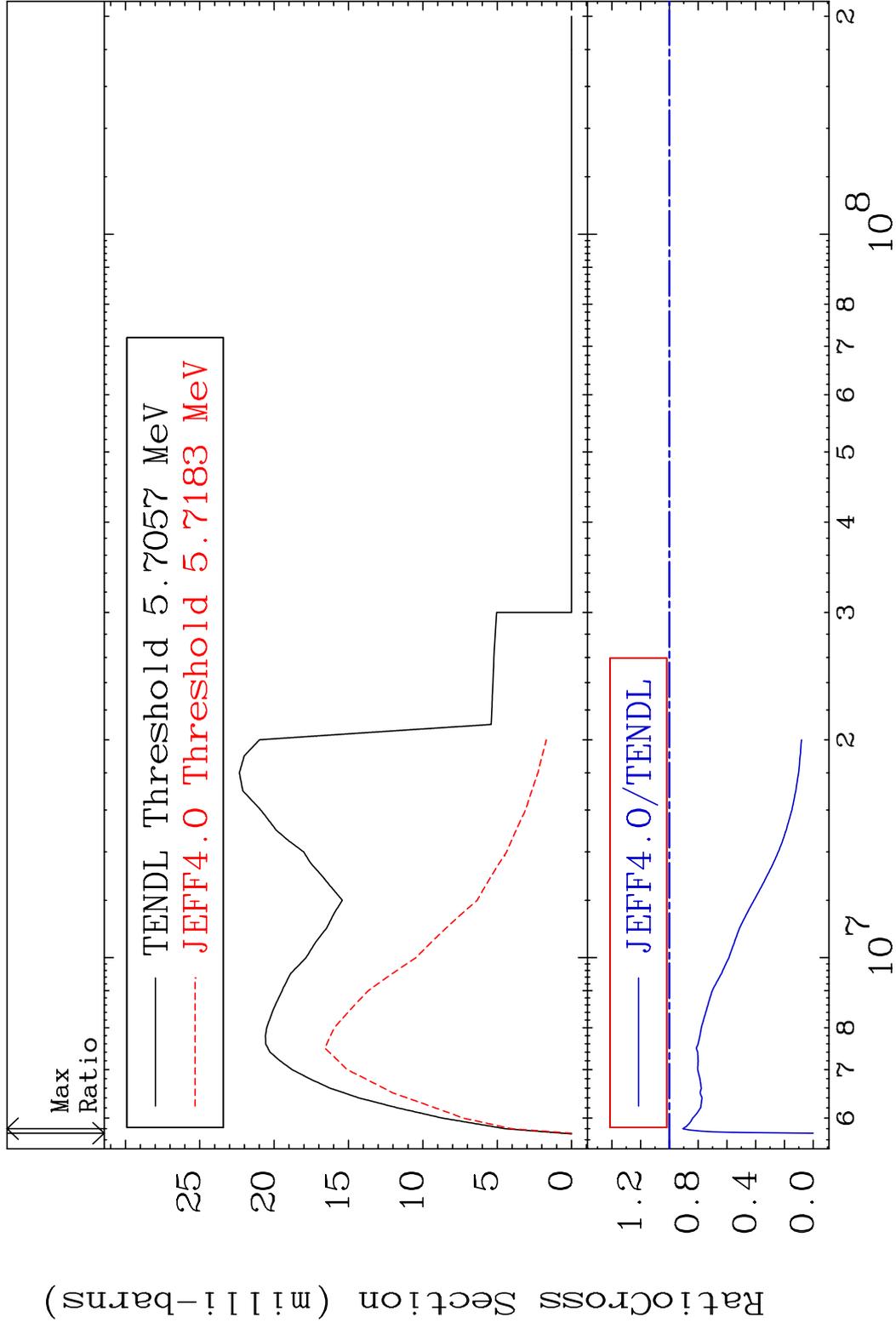
MAT 925 MT= 65 (n, n') Level 9-F -19
 Cross Section -66.78 To -1.211%



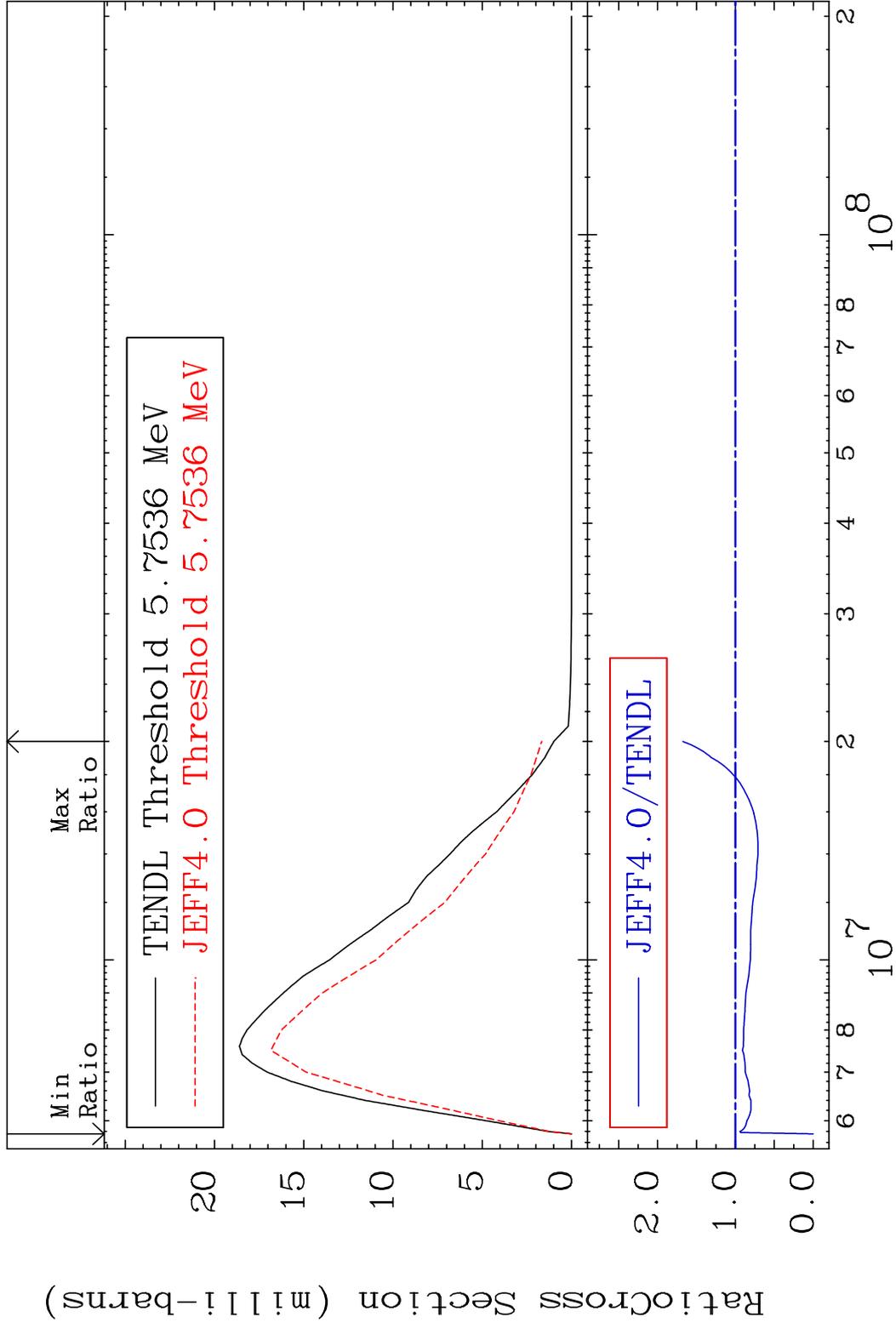
MAT 925 MT= 66 (n, n') Level 9-F -19
 Cross Section -100.0 To 58.25 %



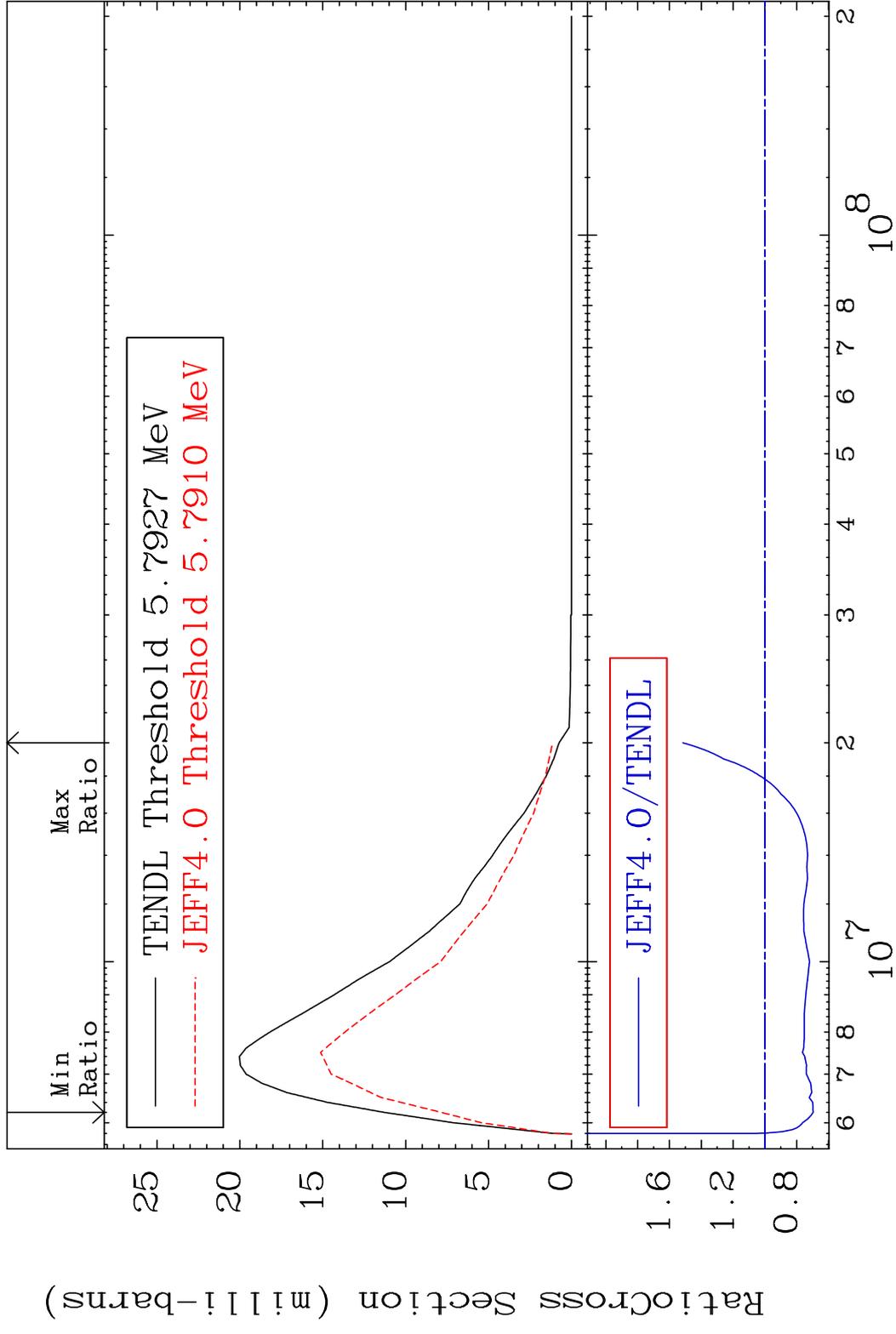
MAT 925 MT= 67 (n,n') Level 9-F -19
 Cross Section -100.0 To -9.356%



MAT 925 MT= 68 (n, n') Level 9-F -19
 Cross Section -100.0 To 67.57 %

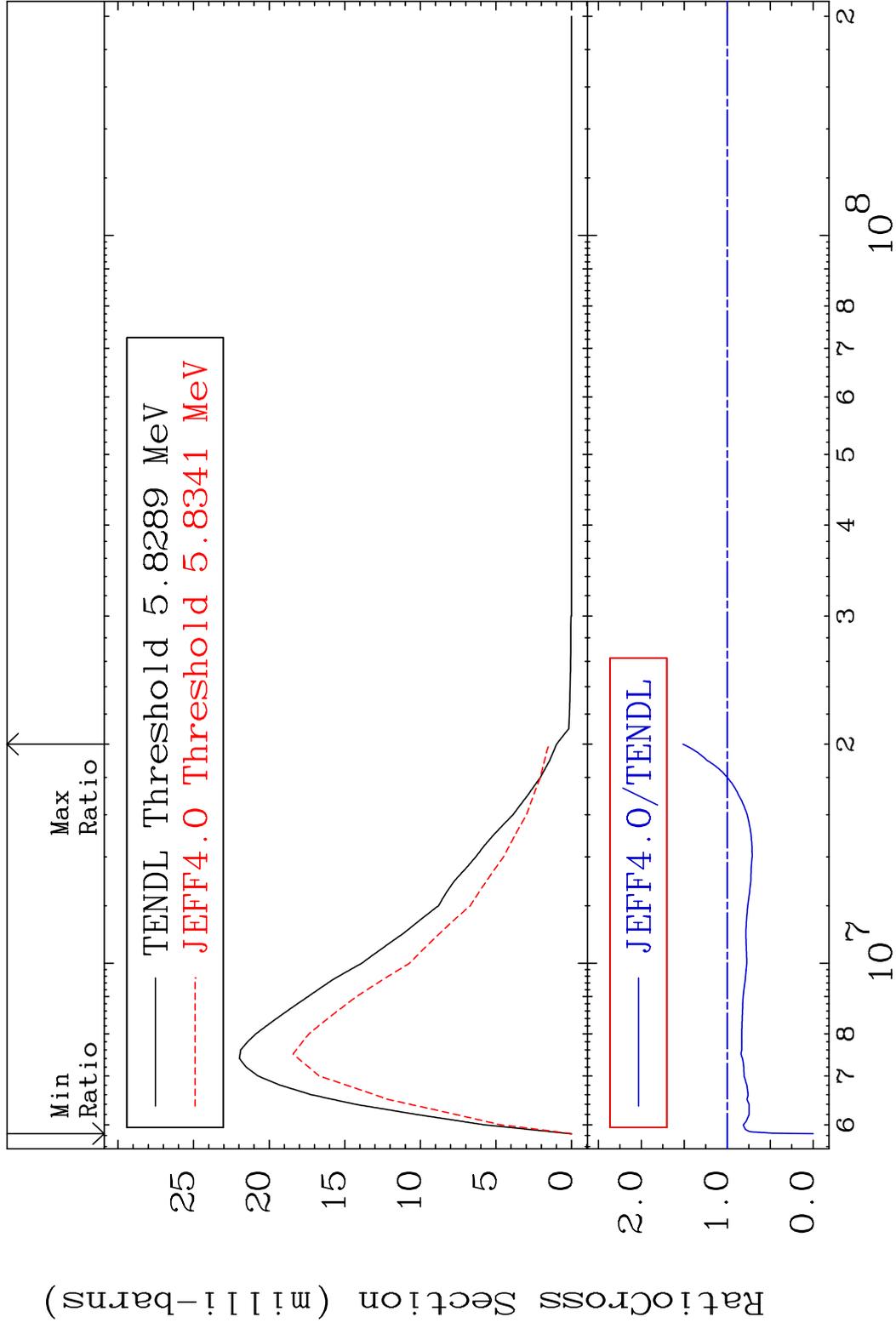


MAT 925 MT= 69 (n, n') Level 9-F -19
 Cross Section -30.35 To 51.61 %

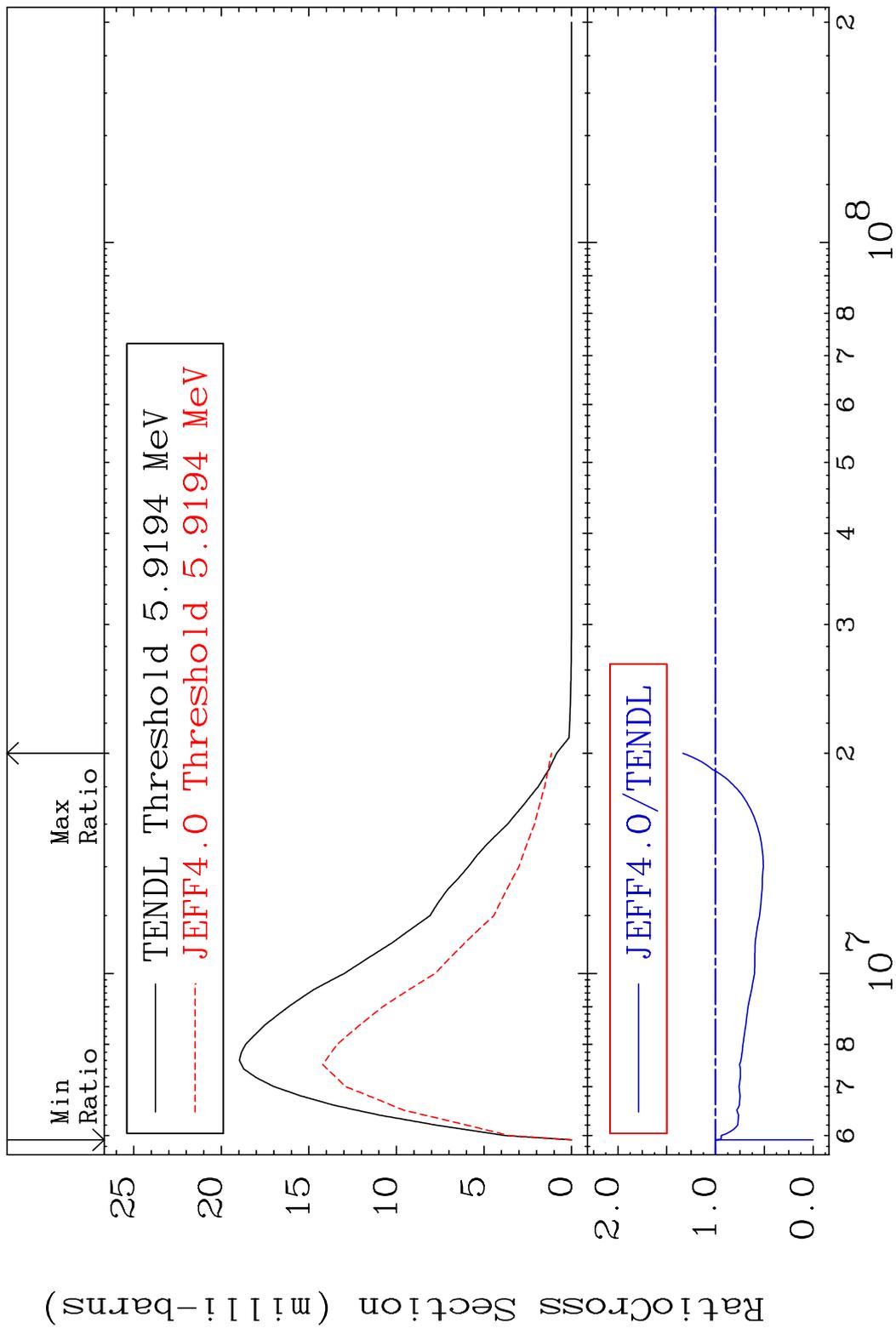


25 Incident Energy (eV) 9-F -19

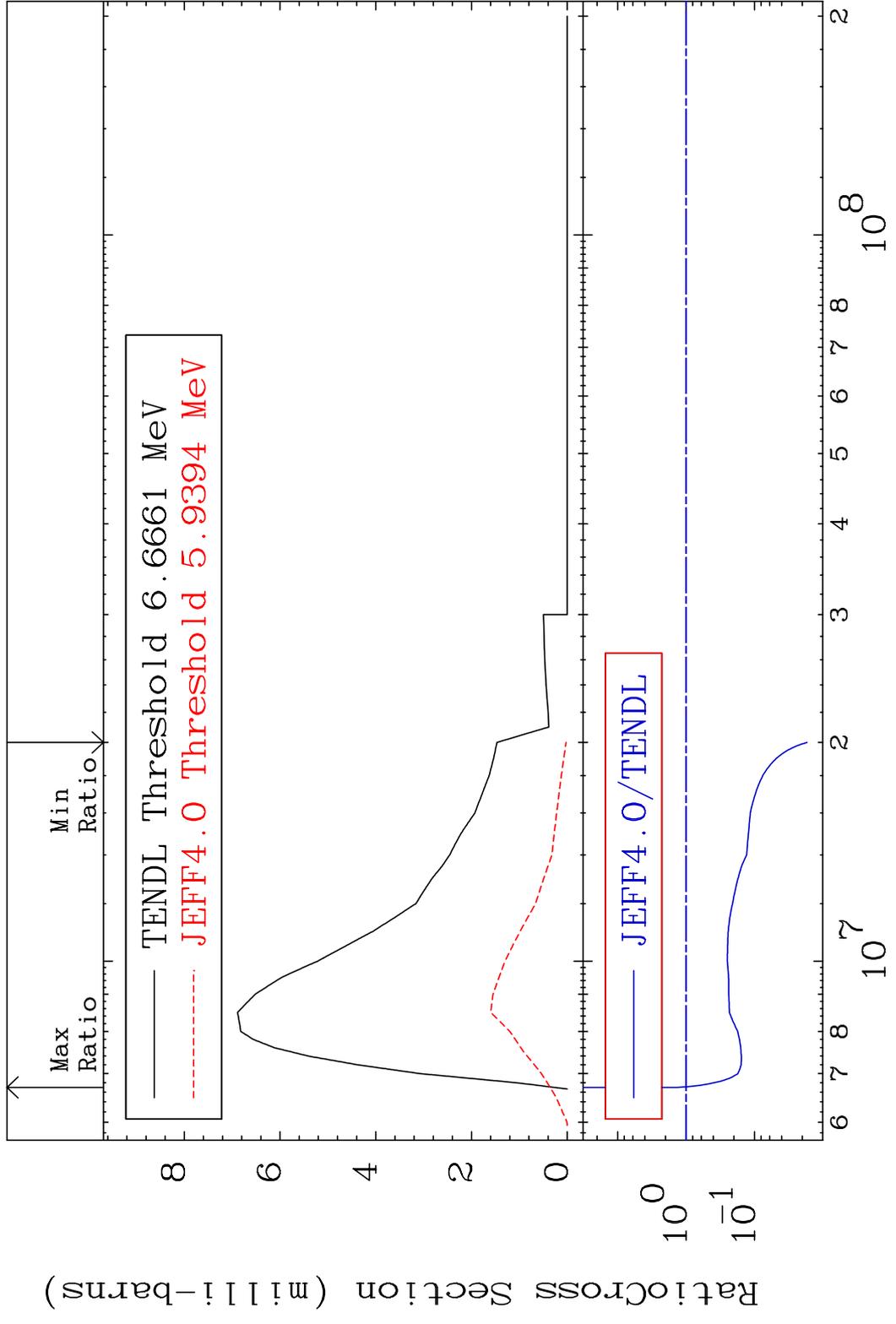
MAT 925 MT= 70 (n, n') Level 9-F -19
 Cross Section -100.0 To 51.73 %



MAT 925 MT= 71 (n, n') Level 9-F -19
 Cross Section -100.0 To 33.52 %



MAT 925 (n,n') Continuum 9-F -19
 Cross Section -98.30 To 32.58 %



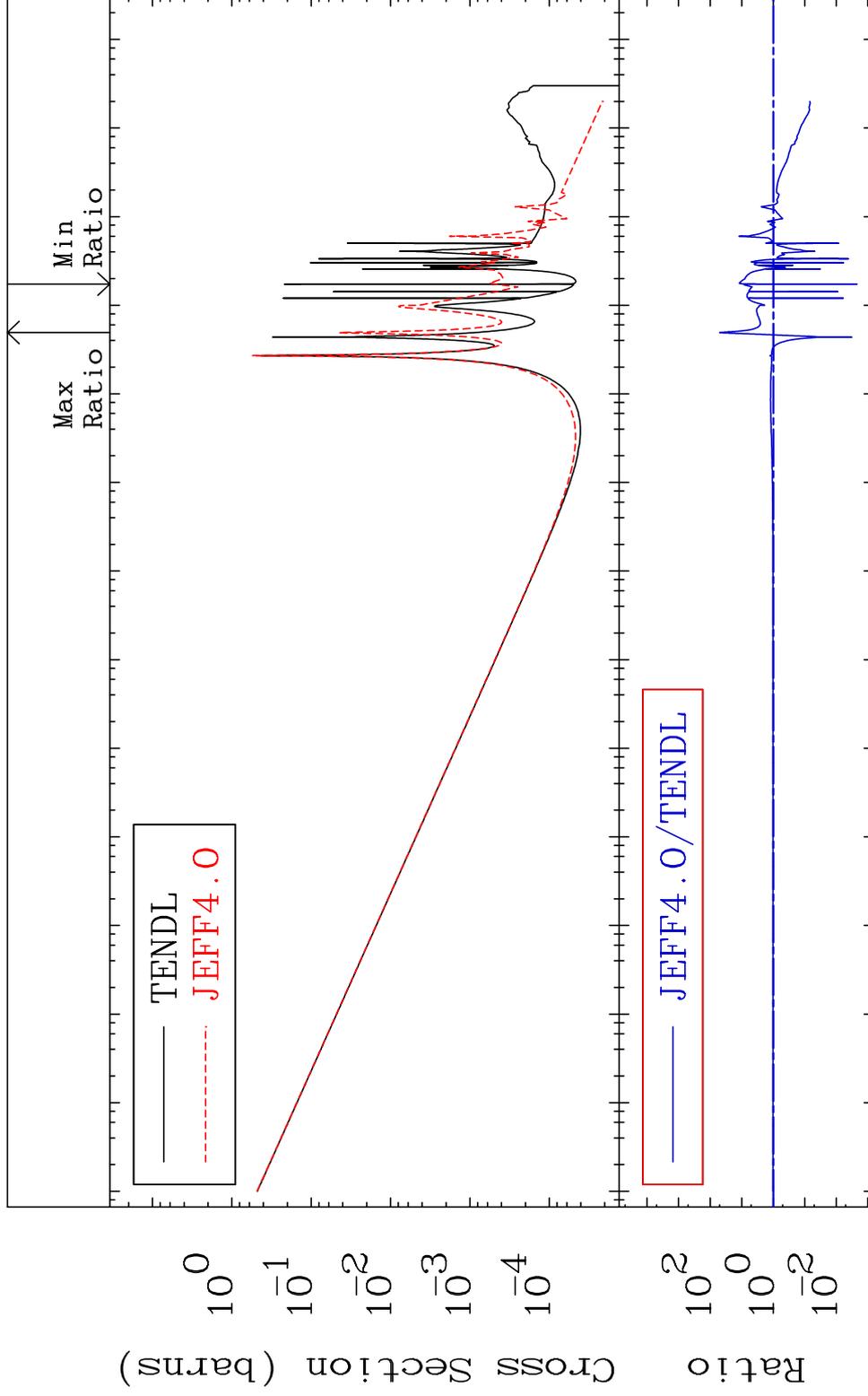
MAT 925

(n, γ)

9-F -19

Cross Section

-99.78 To 4913. %



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

29

Incident Energy (eV)

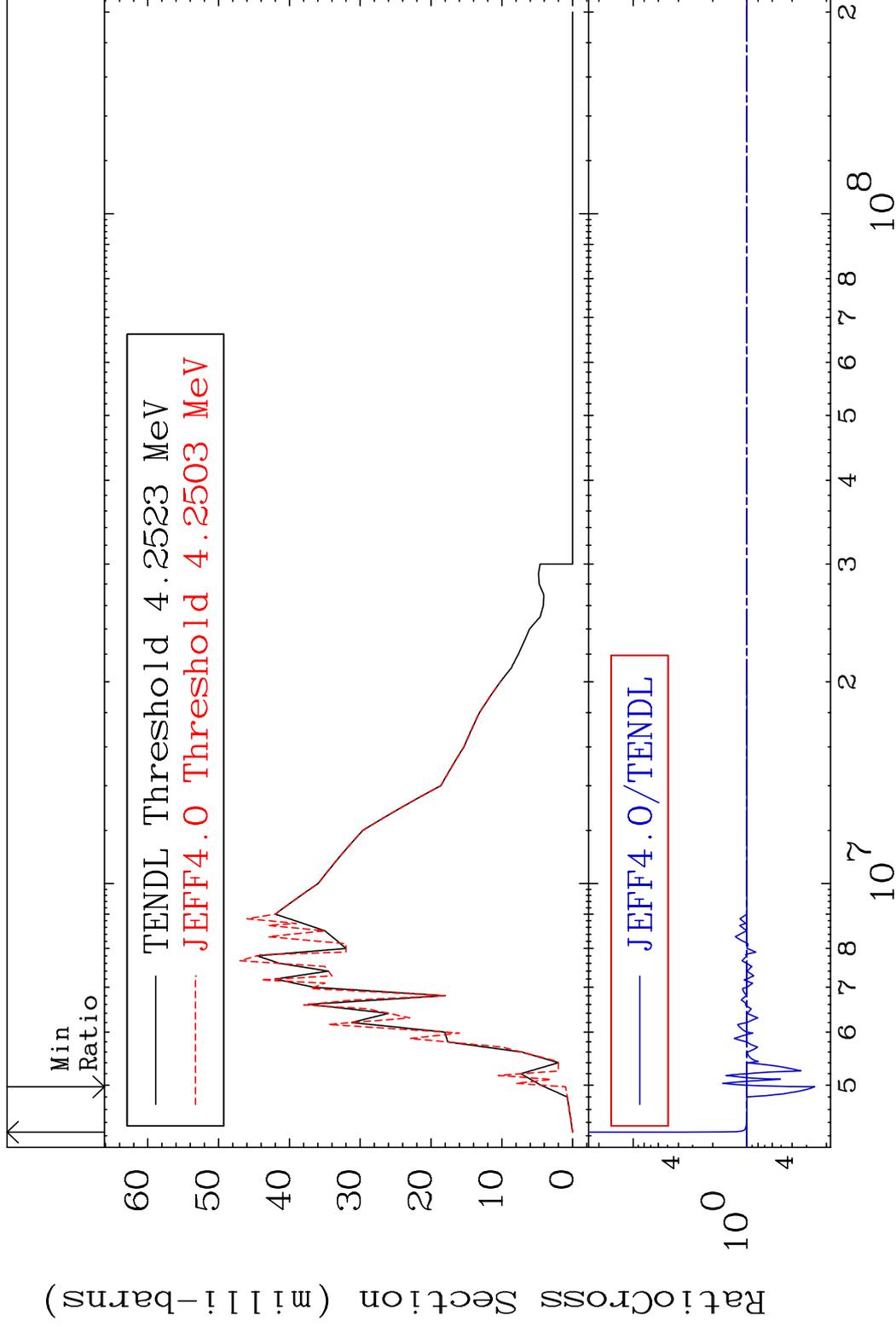
9-F -19

MAT 925

(n,p)

9-F -19

Cross Section -74.62 To 256.1 %

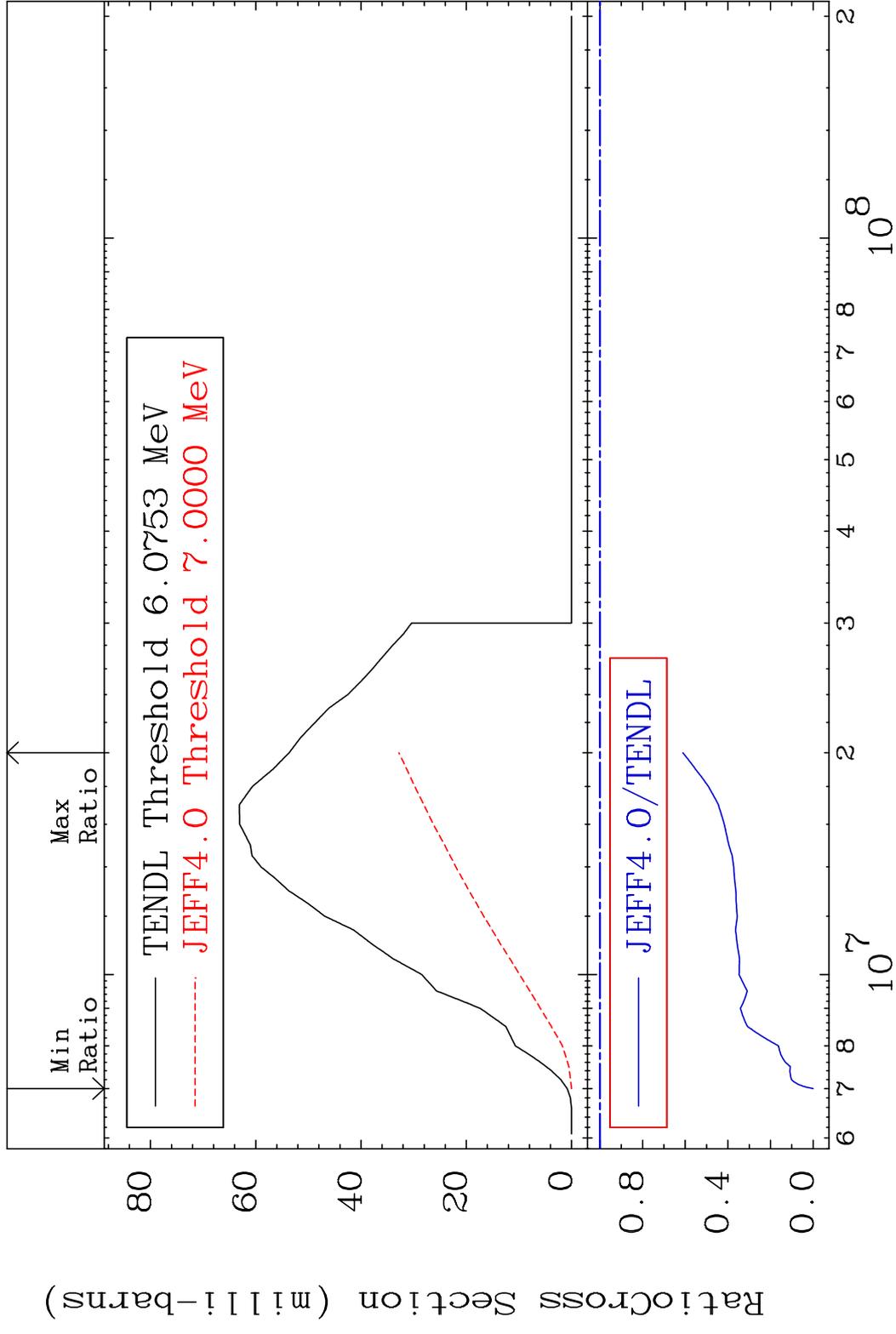


30

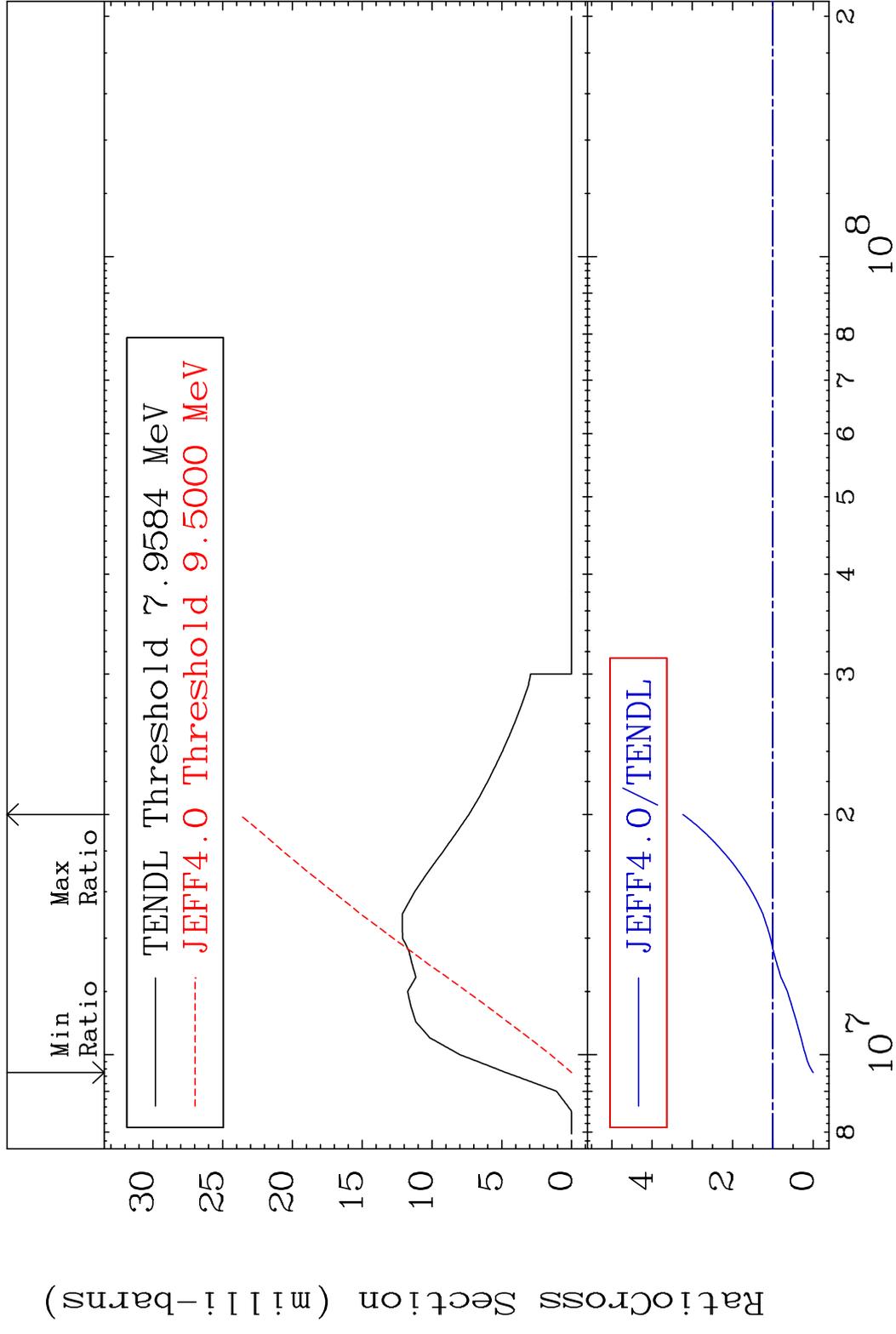
Incident Energy (eV)

9-F -19

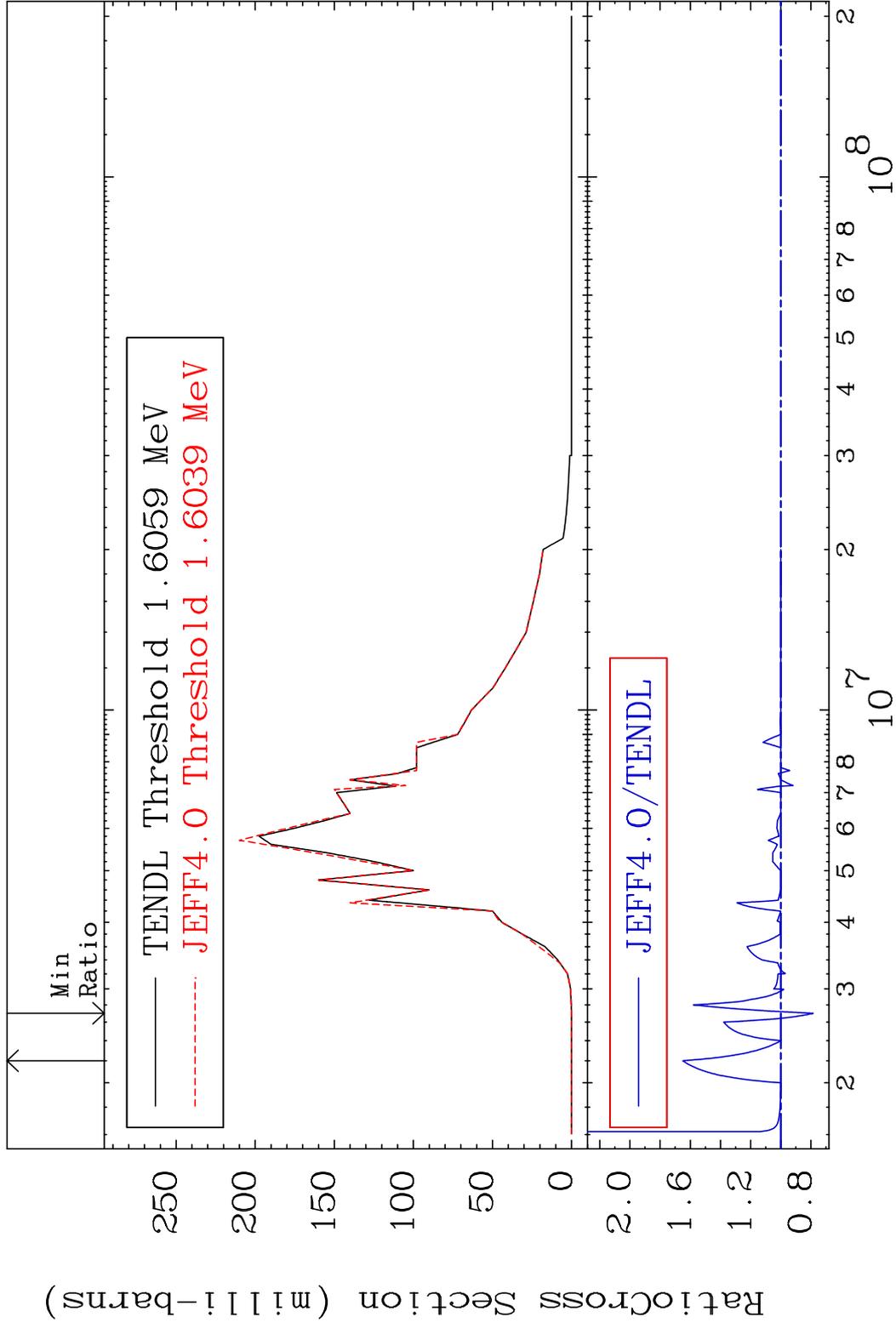
MAT 925 (n,d) 9-F -19
 Cross Section -100.0 To -38.87%



MAT 925 (n, t) 9-F -19
 Cross Section -100.0 To 223.6 %

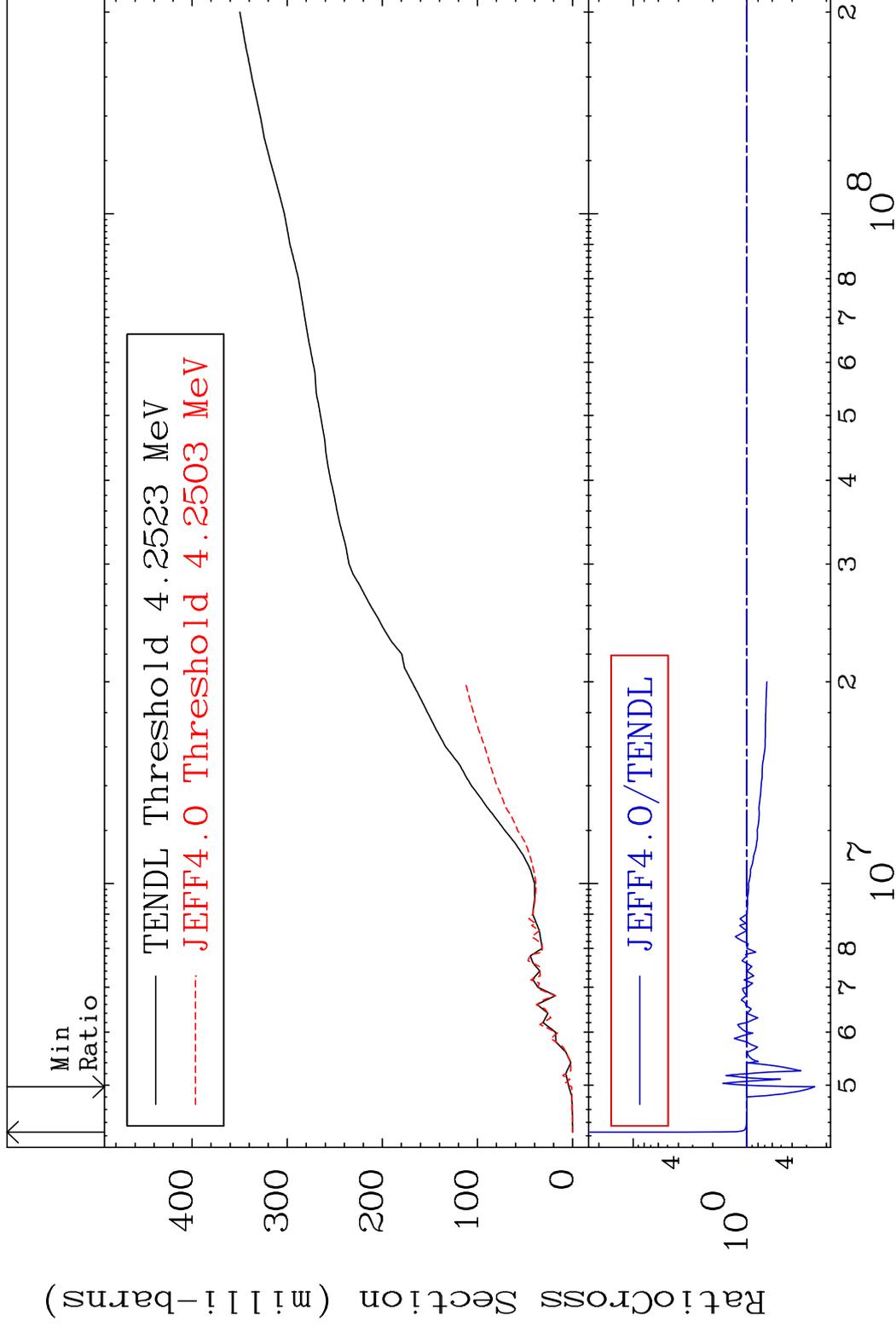


MAT 925 (n, α) 9-F -19
 Cross Section -21.43 To 64.94 %



MAT 925

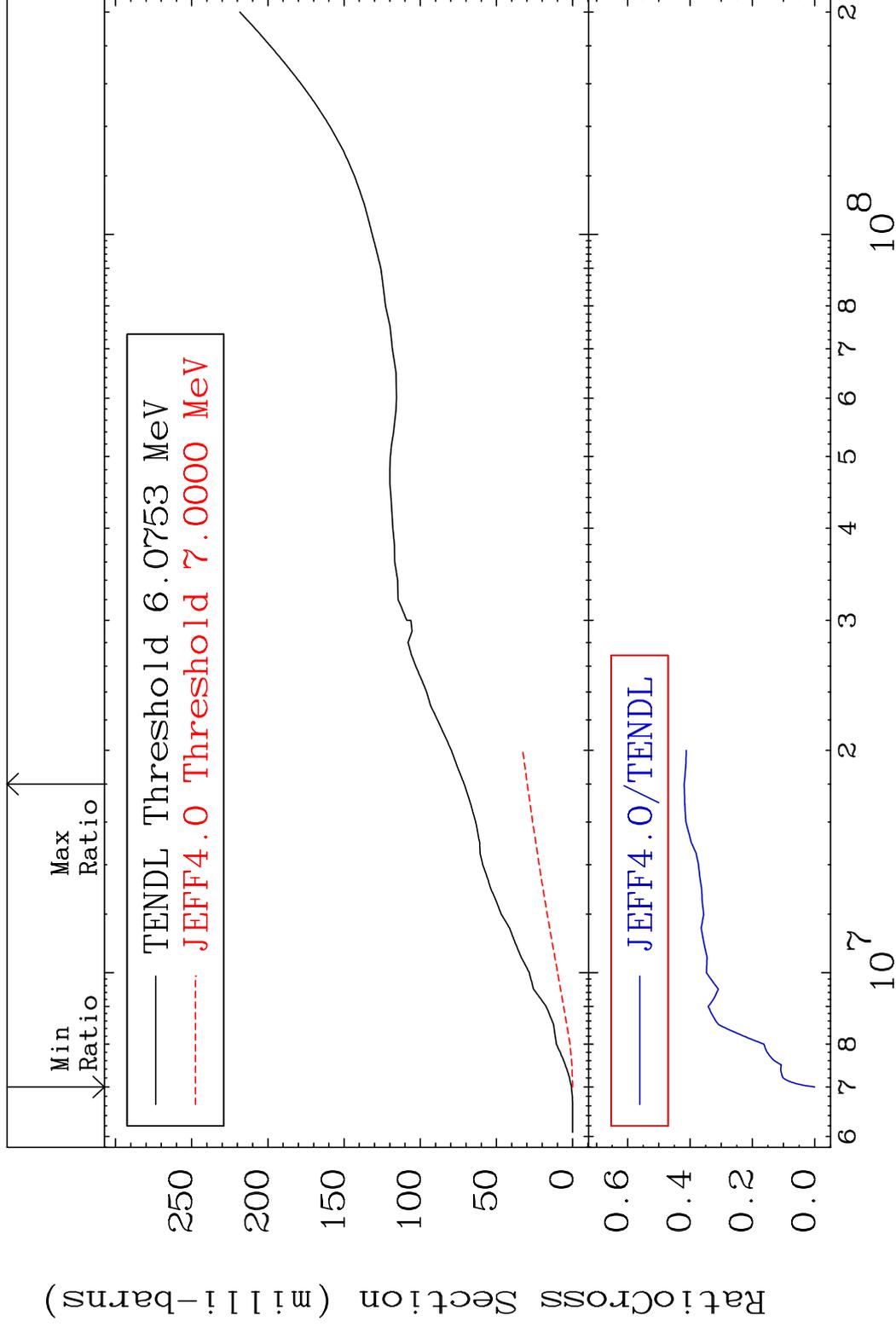
Hydrogen Production 9-F -19
Cross Section -74.62 To 256.1 %



34

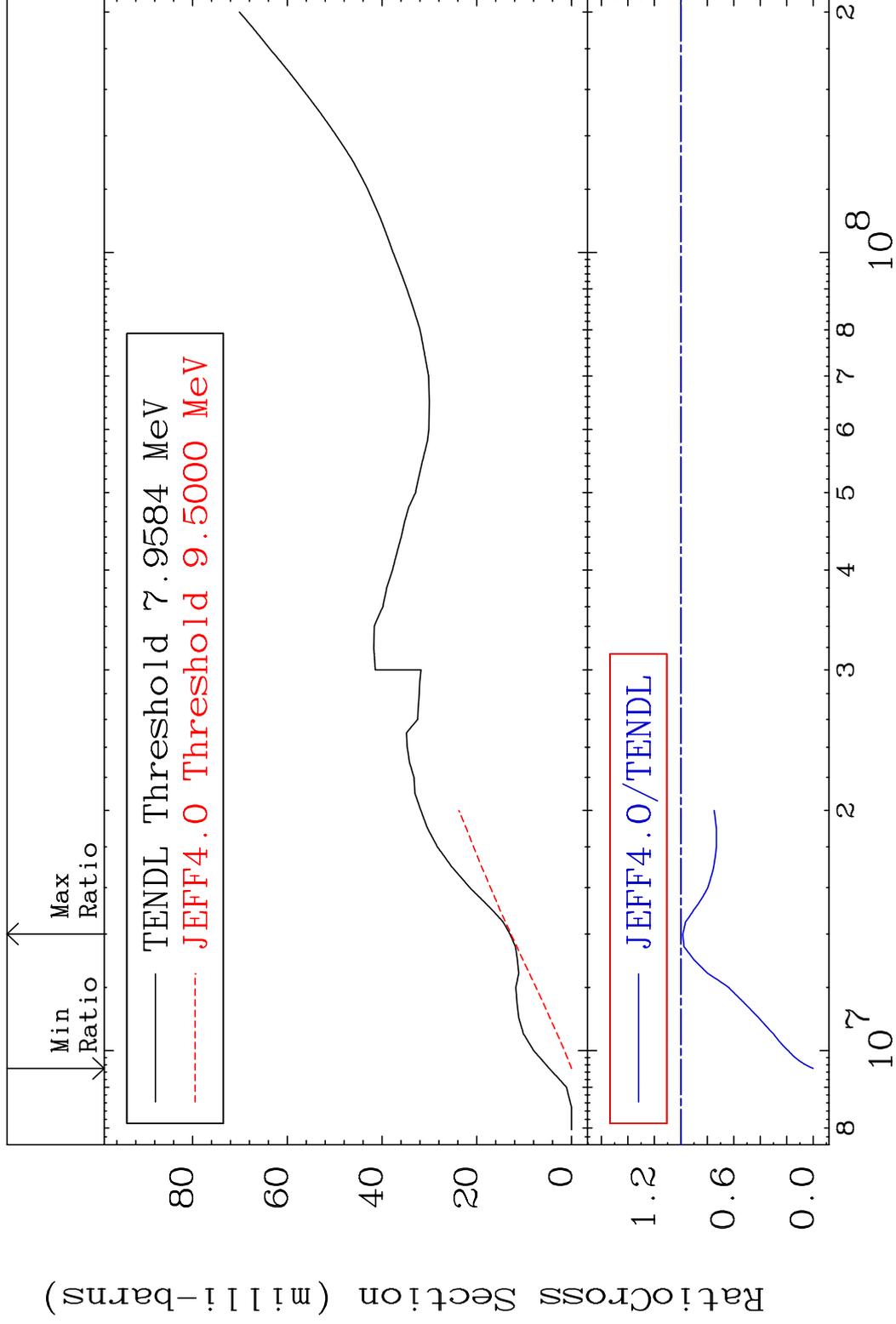
Incident Energy (eV)

9-F -19



MAT 925

Tritium Production 9-F -19
Cross Section -100.0 To -1.579%



36

Incident Energy (eV)

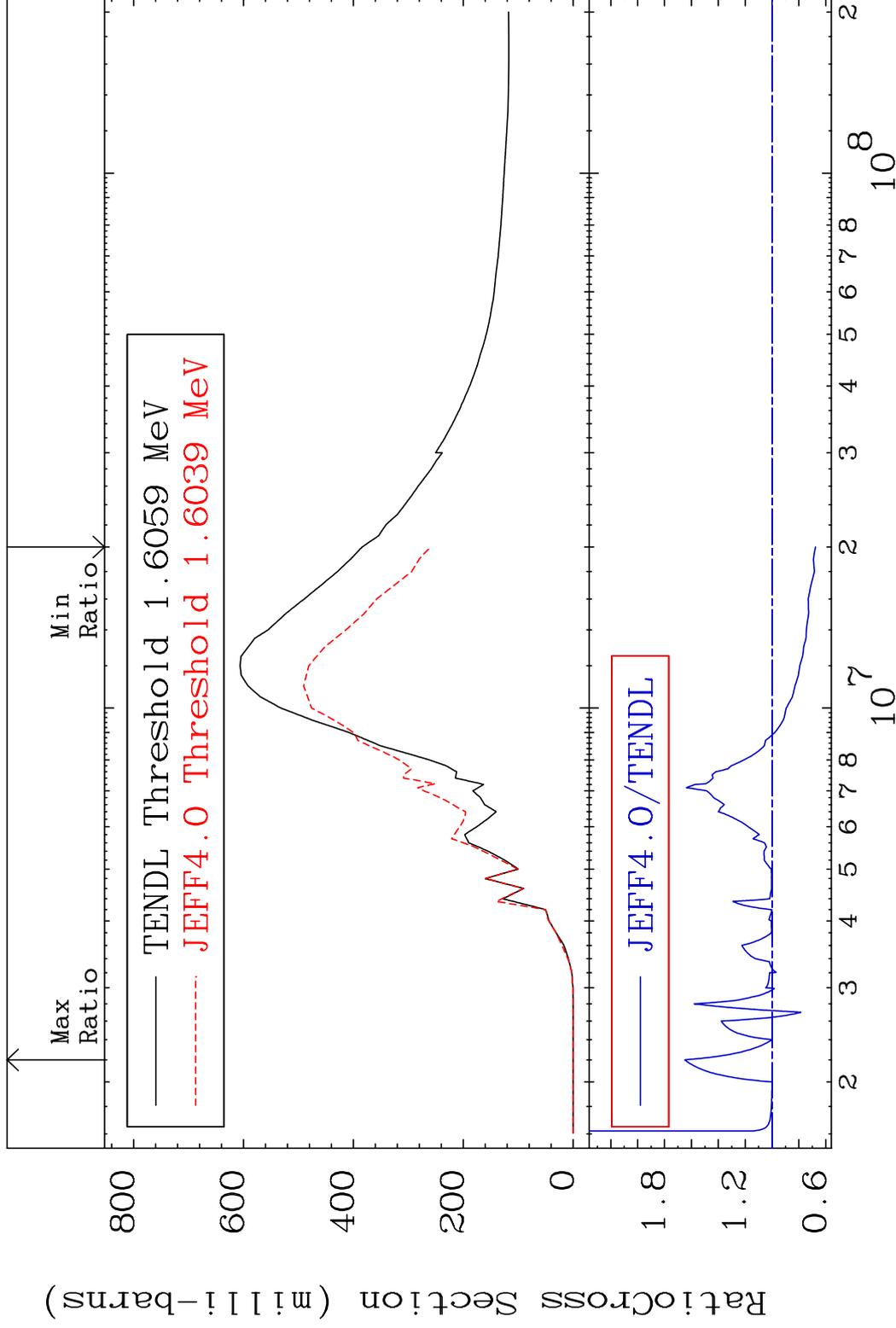
9-F -19

MAT 925

He-4 Production

9-F -19

Cross Section -32.32 To 64.94 %

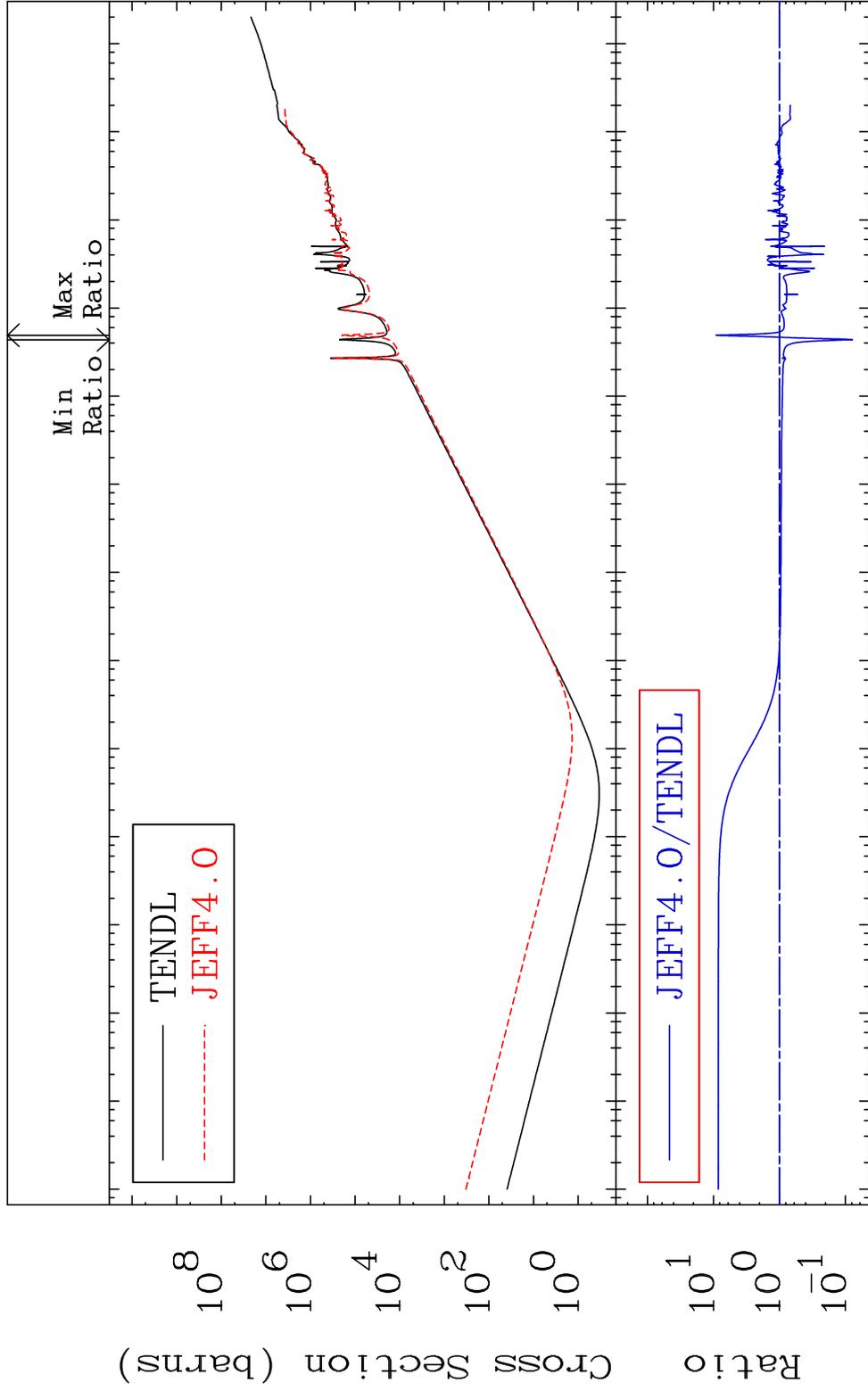


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Incident Energy (eV)

9-F -19

MAT 925 Kerma total (eV-barns) 9-F -19
 Cross Section -92.18 To 817.4 %



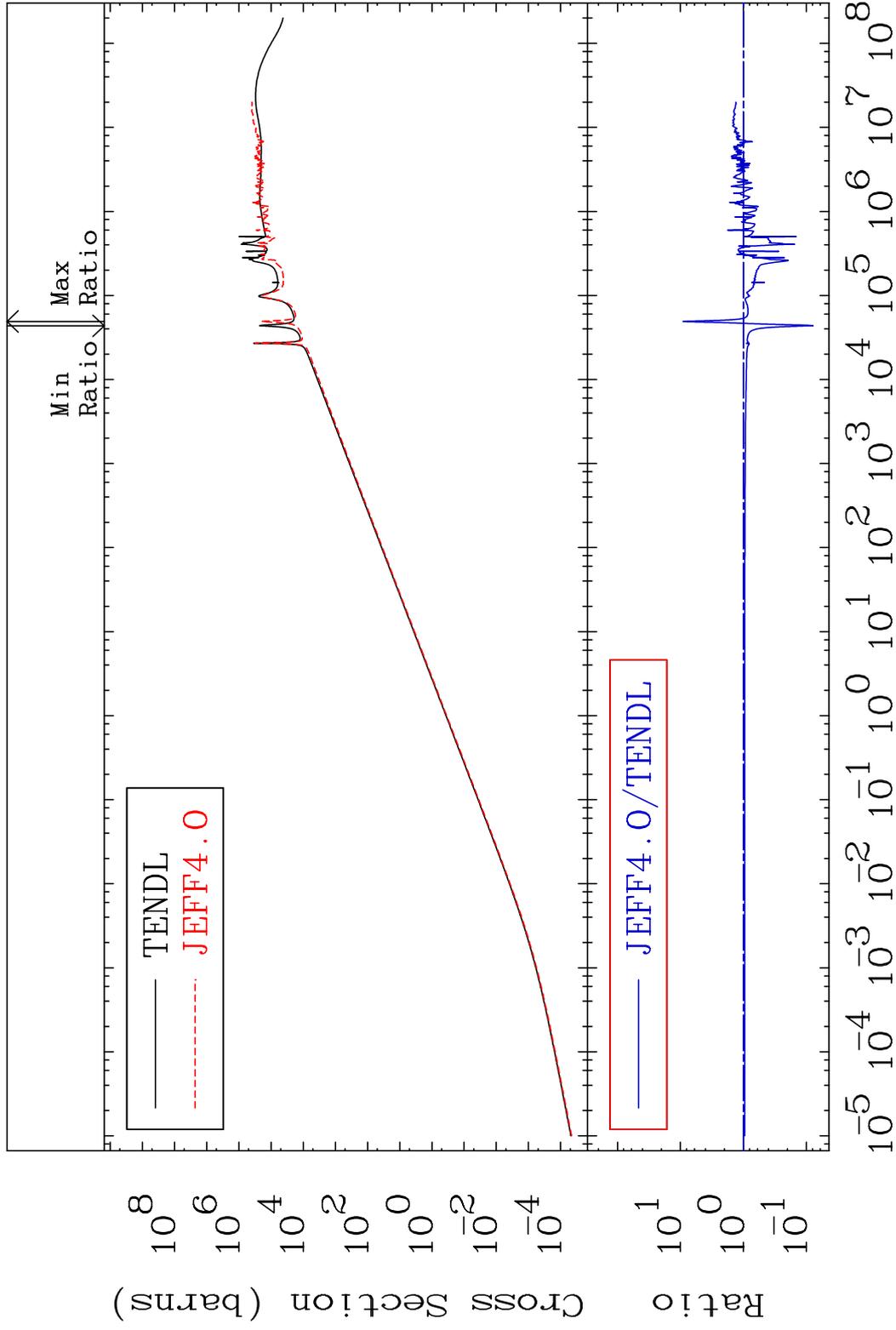
Ratio
 10⁸
 10⁶
 10⁴
 10²
 10⁰
 10⁻¹
 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV)

MAT 925

Kerma elastic

9-F -19

Cross Section -92.18 To 816.8 %

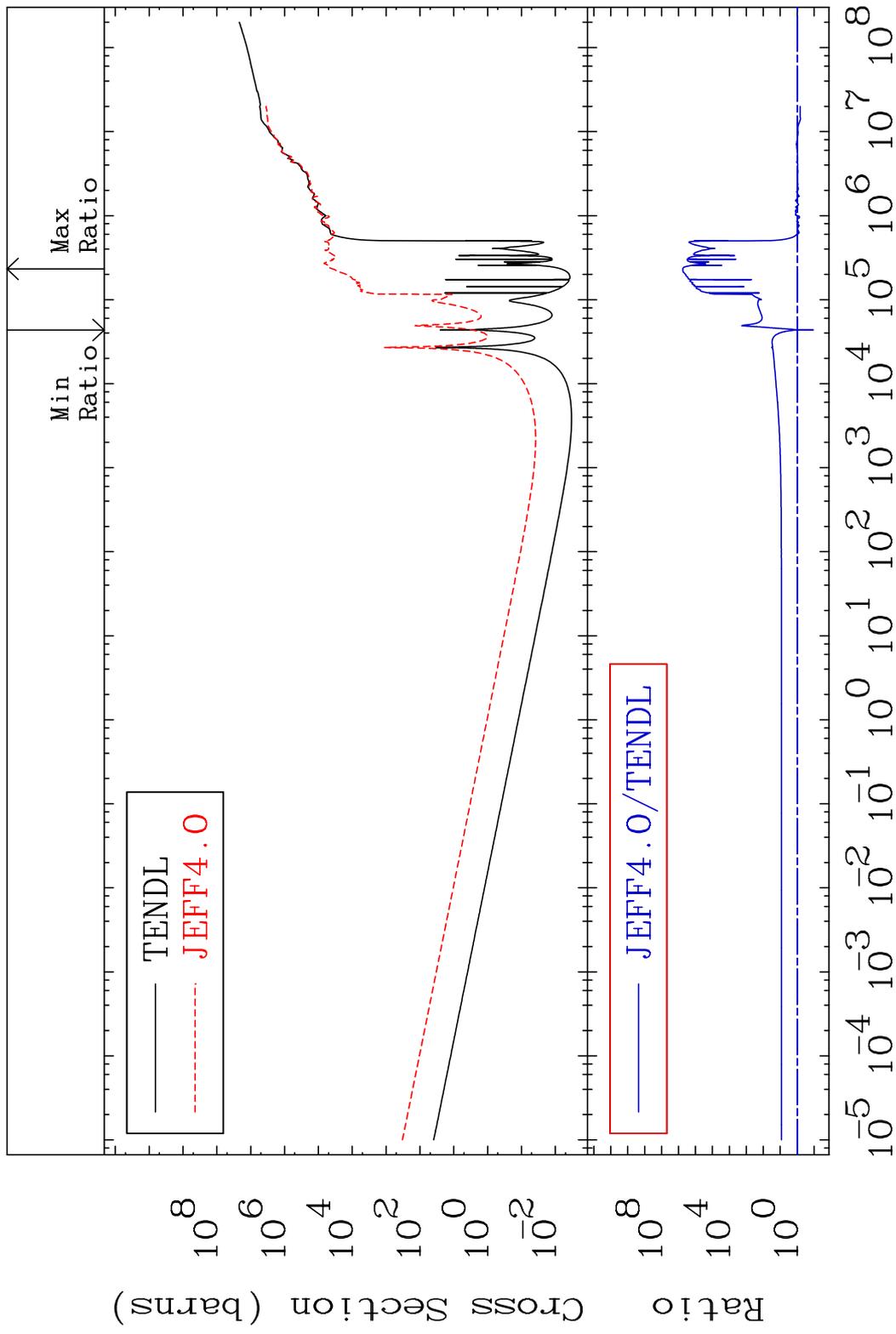


39

Incident Energy (eV)

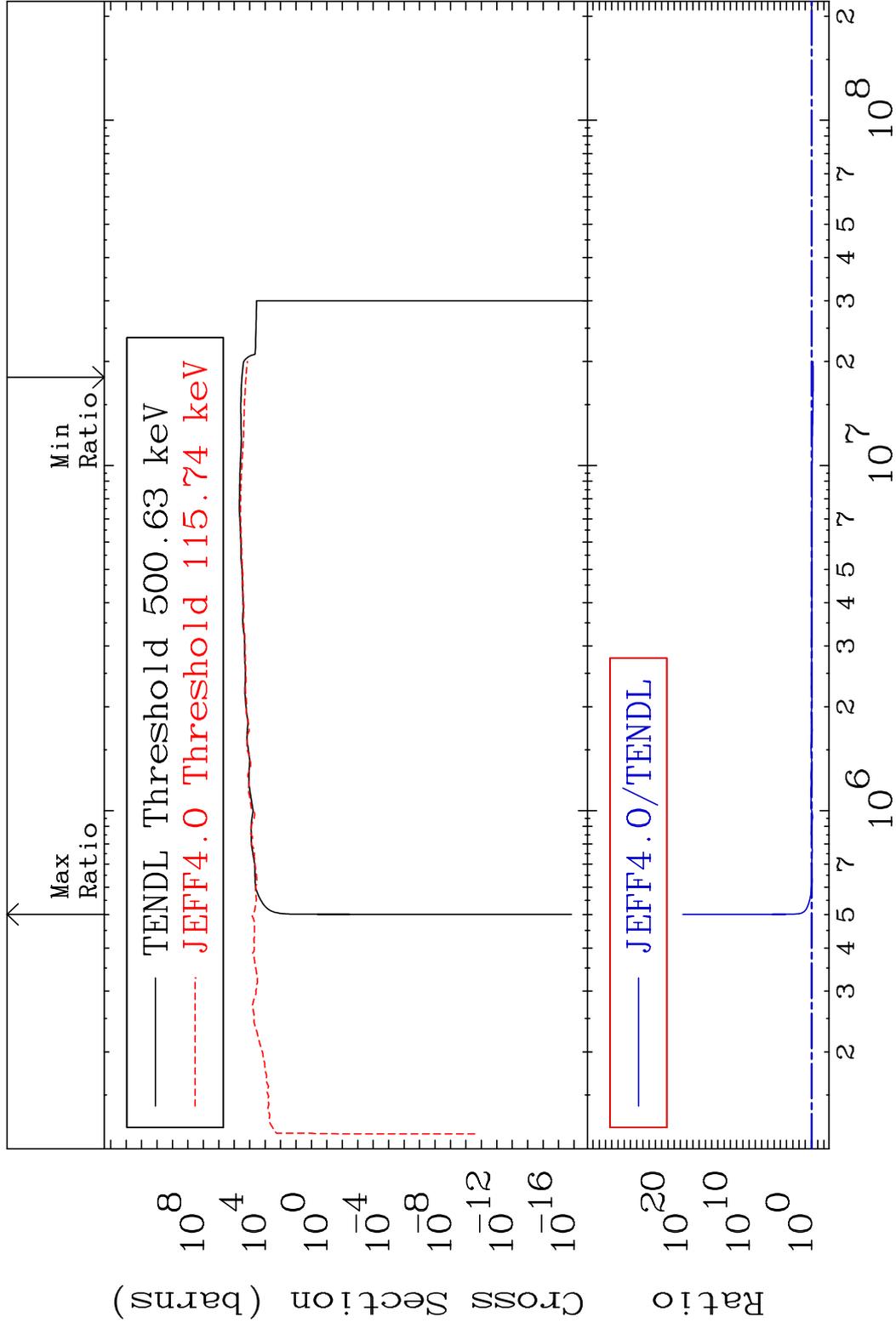
9-F -19

MAT 925 Kerma non-elastic (all but mt2) 9-F -19
 Cross Section -88.69 To 9999. %

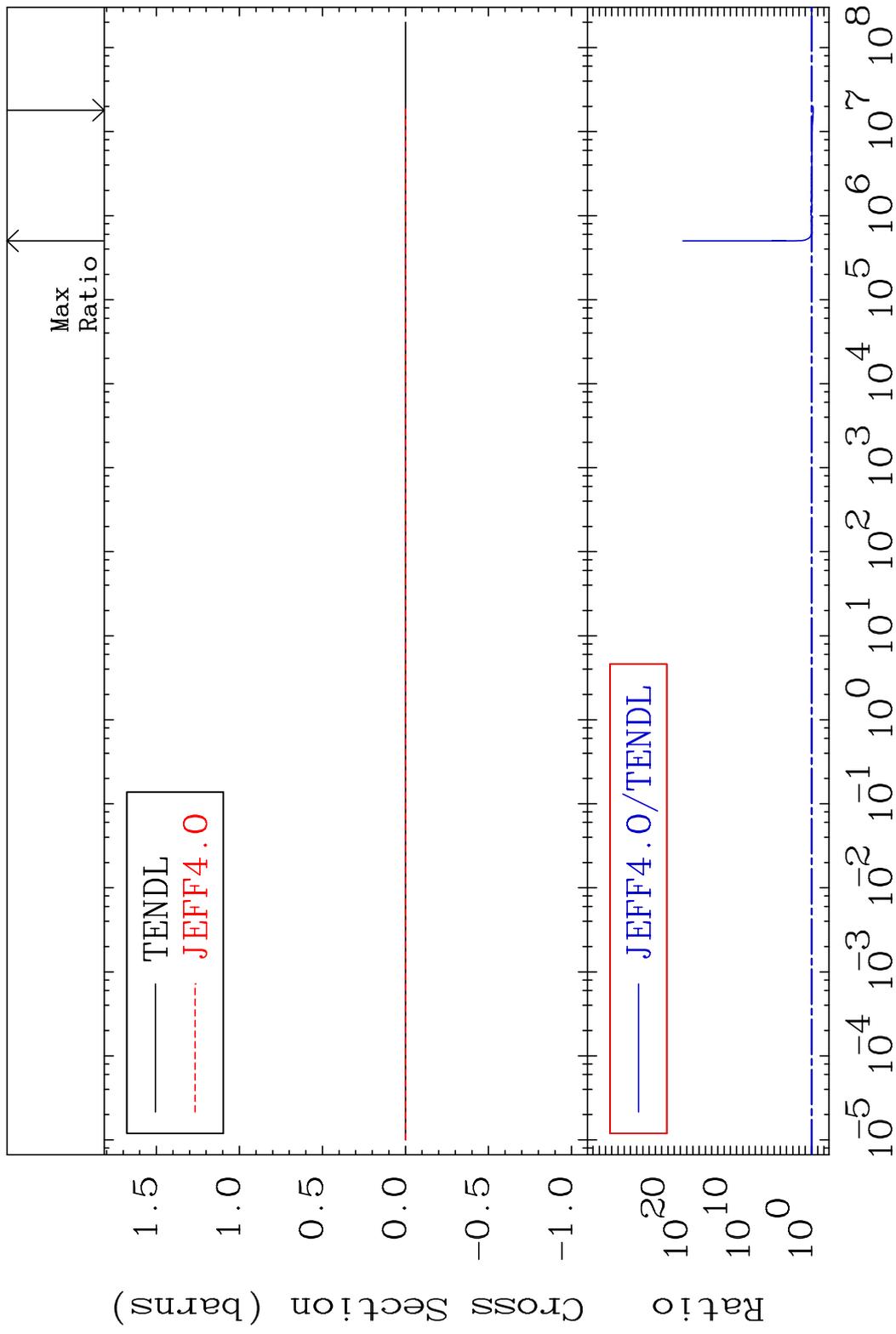


40 Incident Energy (eV) 9-F -19

MAT 925 Kerma inelastic (mt51-91) 9-F -19
 Cross Section -45.10 To 9999. %



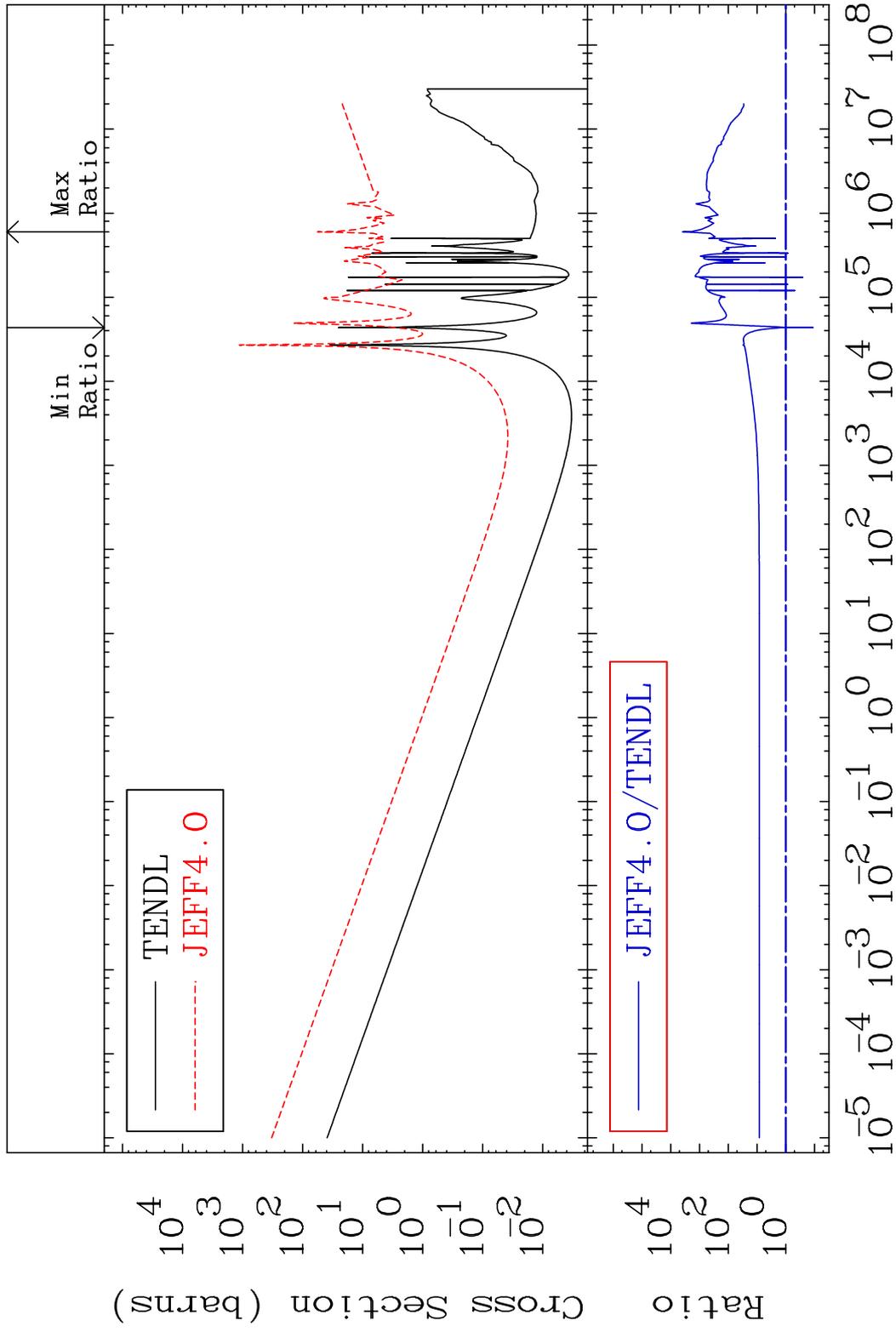
MAT 925 Kerma fission (mt18 or mt19-20-21-38) 9-F -19
 Cross Section -45.10 To 9999. %



MAT 925

Kerma capture (mt102) 9-F -19

Cross Section -88.69 To 9999. %



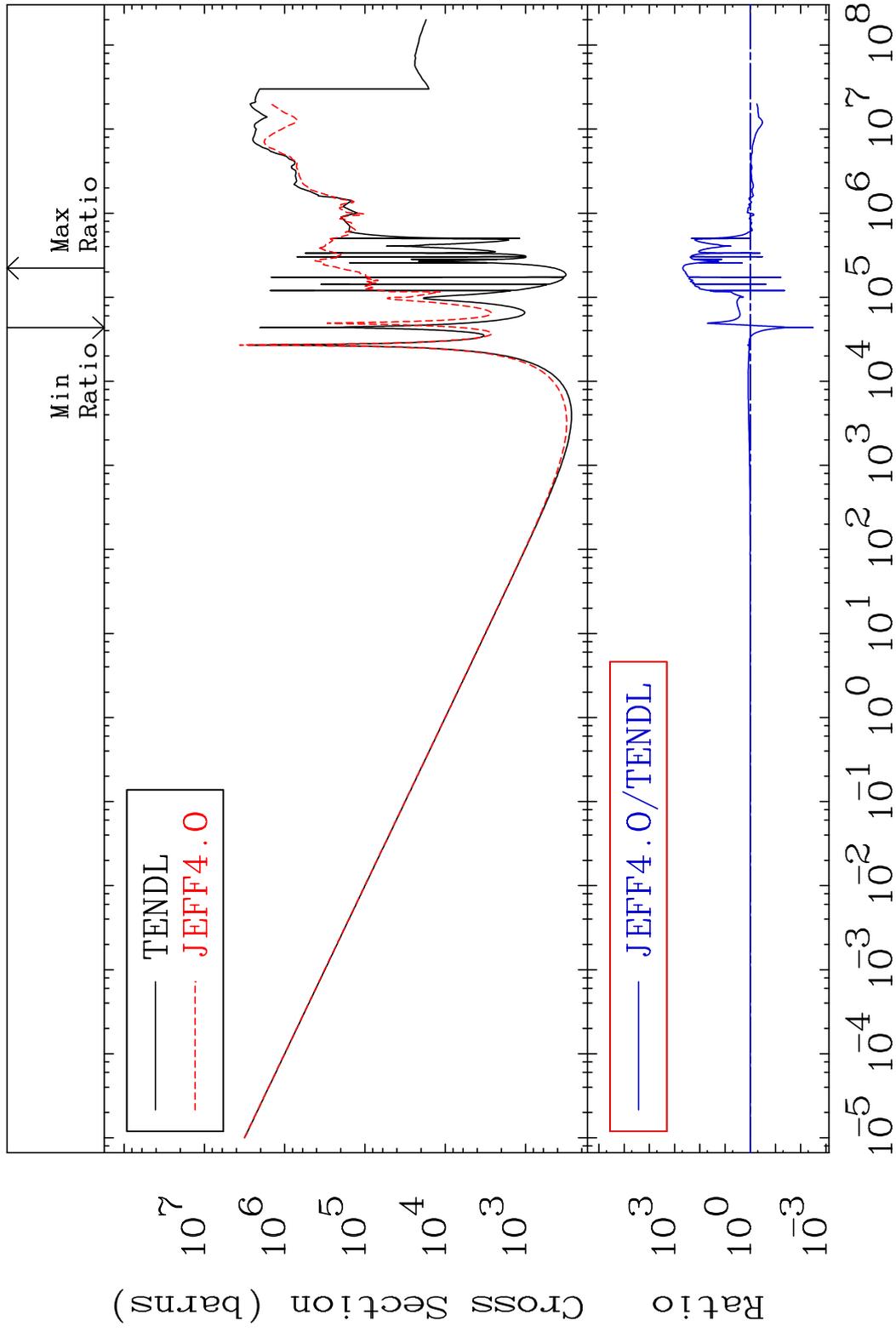
43

Incident Energy (eV)

9-F -19

MAT 925

Total photon (eV-barns) 9-F -19
Cross Section -99.68 To 9999. %

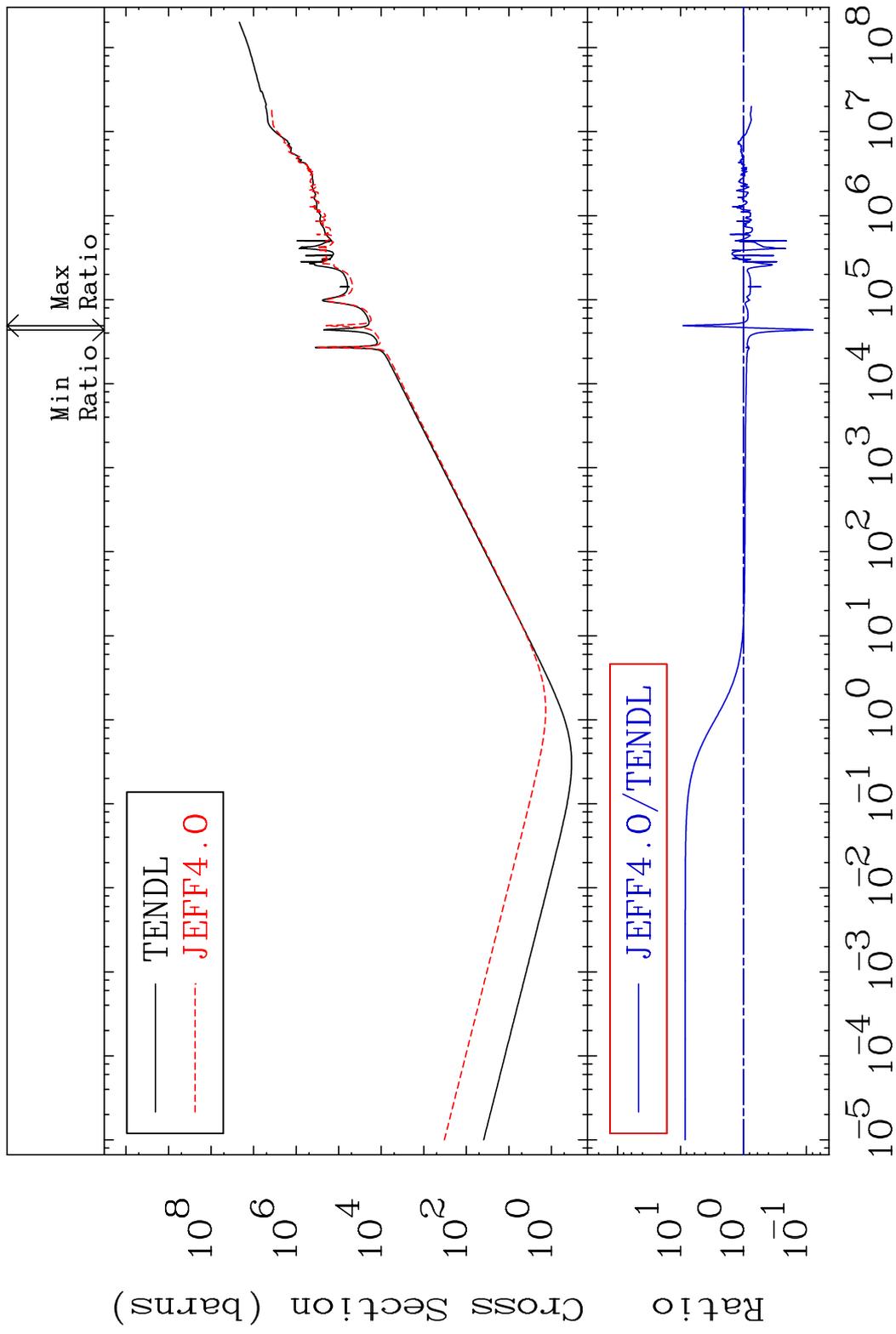


44

Incident Energy (eV)

9-F -19

MAT 925 Total kinematic kerma (high limit) 9-F -19
 Cross Section -92.18 To 817.4 %

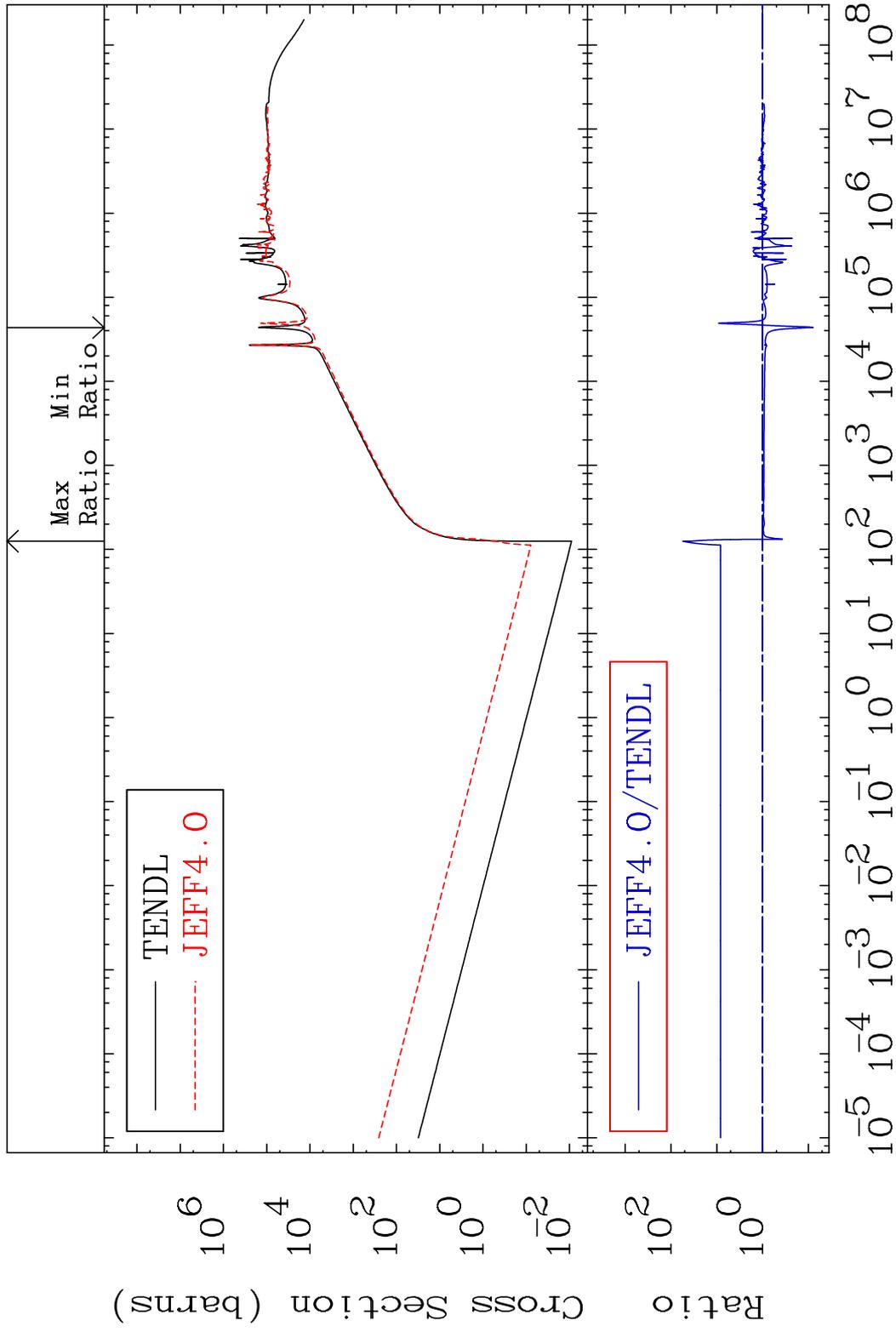


MAT 925

Dpa total (eV-barns)

9-F -19

Cross Section -92.14 To 5408. %



46

Incident Energy (eV)

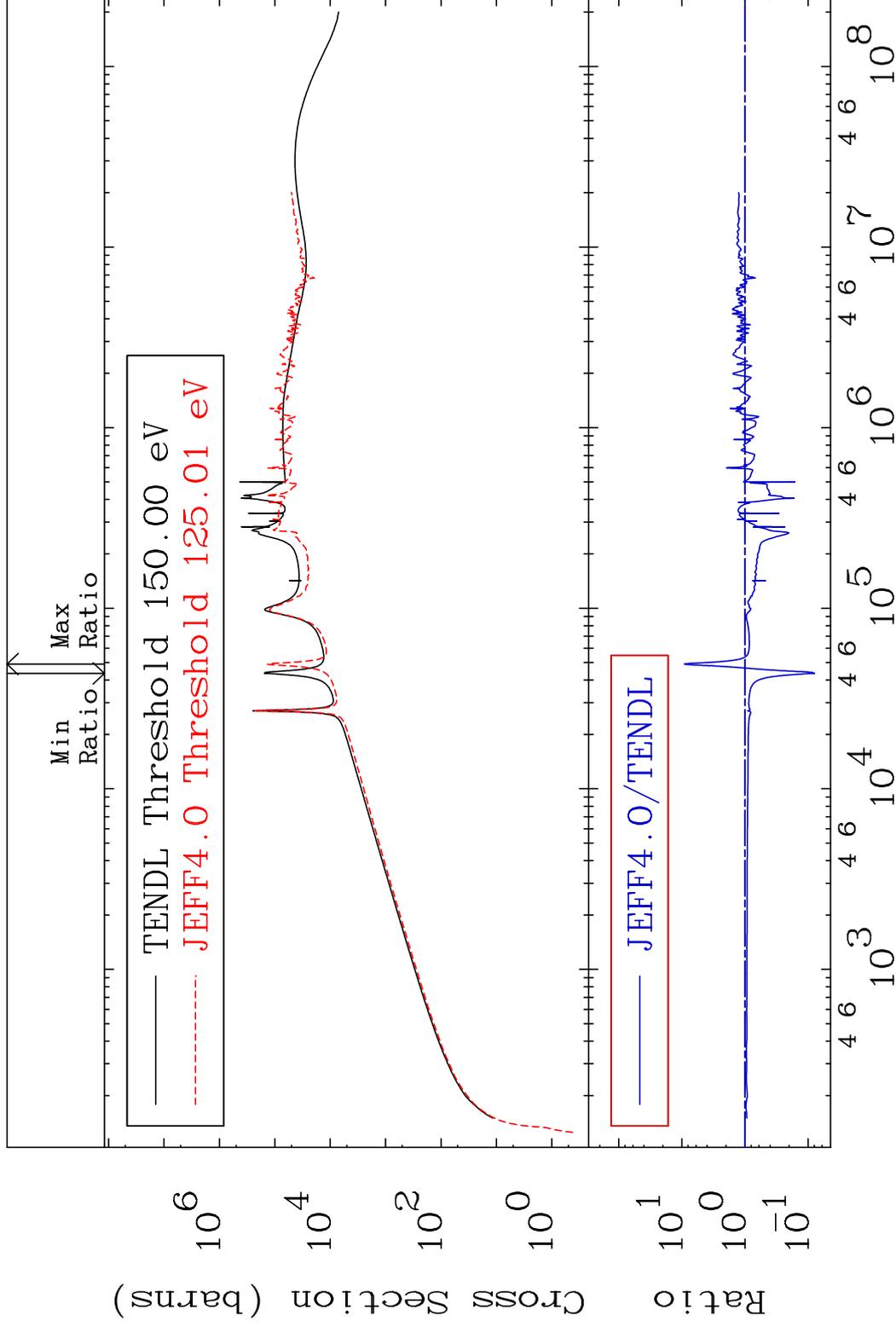
9-F -19

MAT 925

Dpa elastic (mt2)

9-F -19

Cross Section -92.14 To 823.4 %

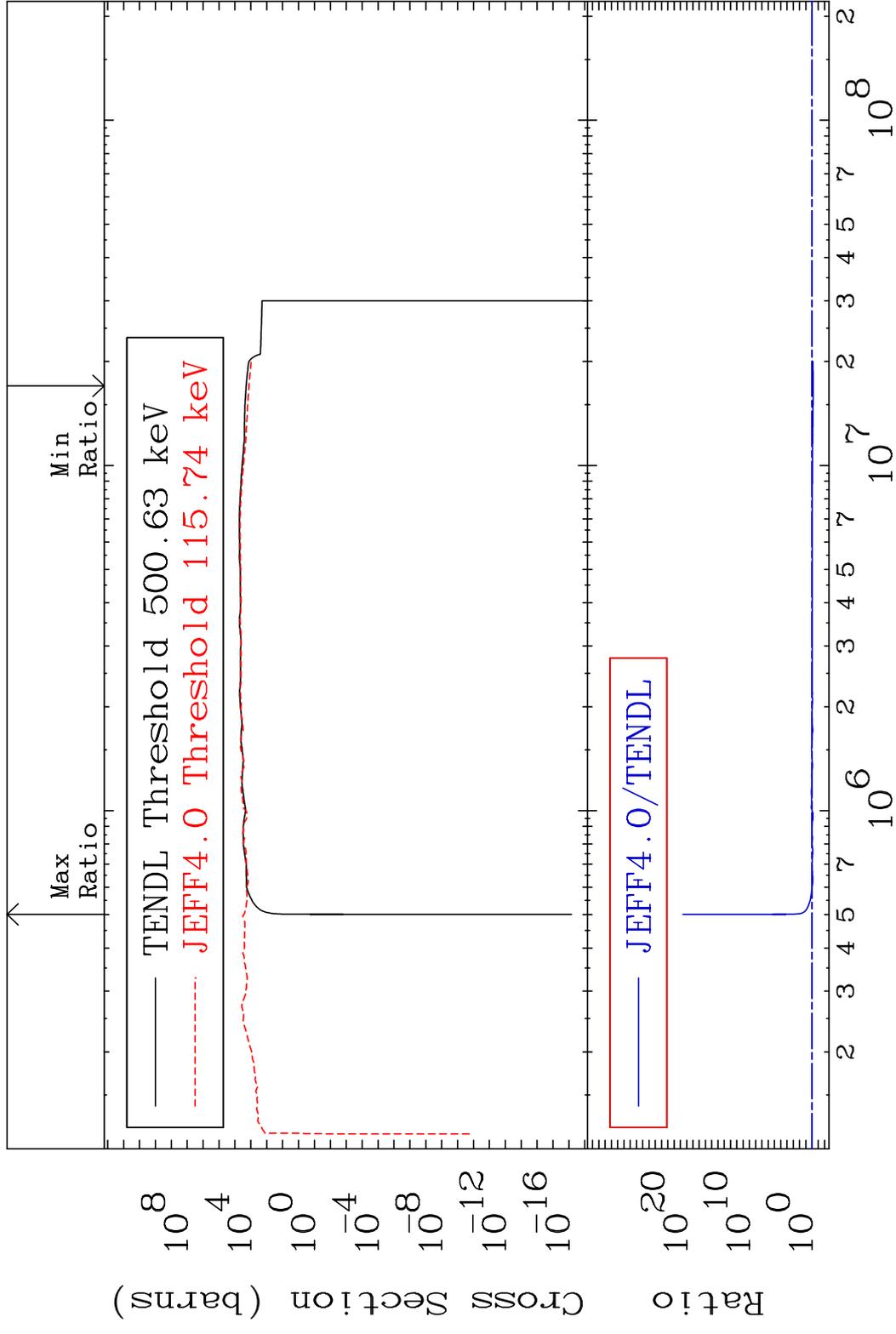


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Incident Energy (eV)

9-F -19

MAT 925 Dpa inelastic (mt51-91) 9-F -19
 Cross Section -33.03 To 9999. %



MAT 925 Dpa disappearance (mt102 -120) 9-F -19
 Cross Section -98.13 To 9999. %

