

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

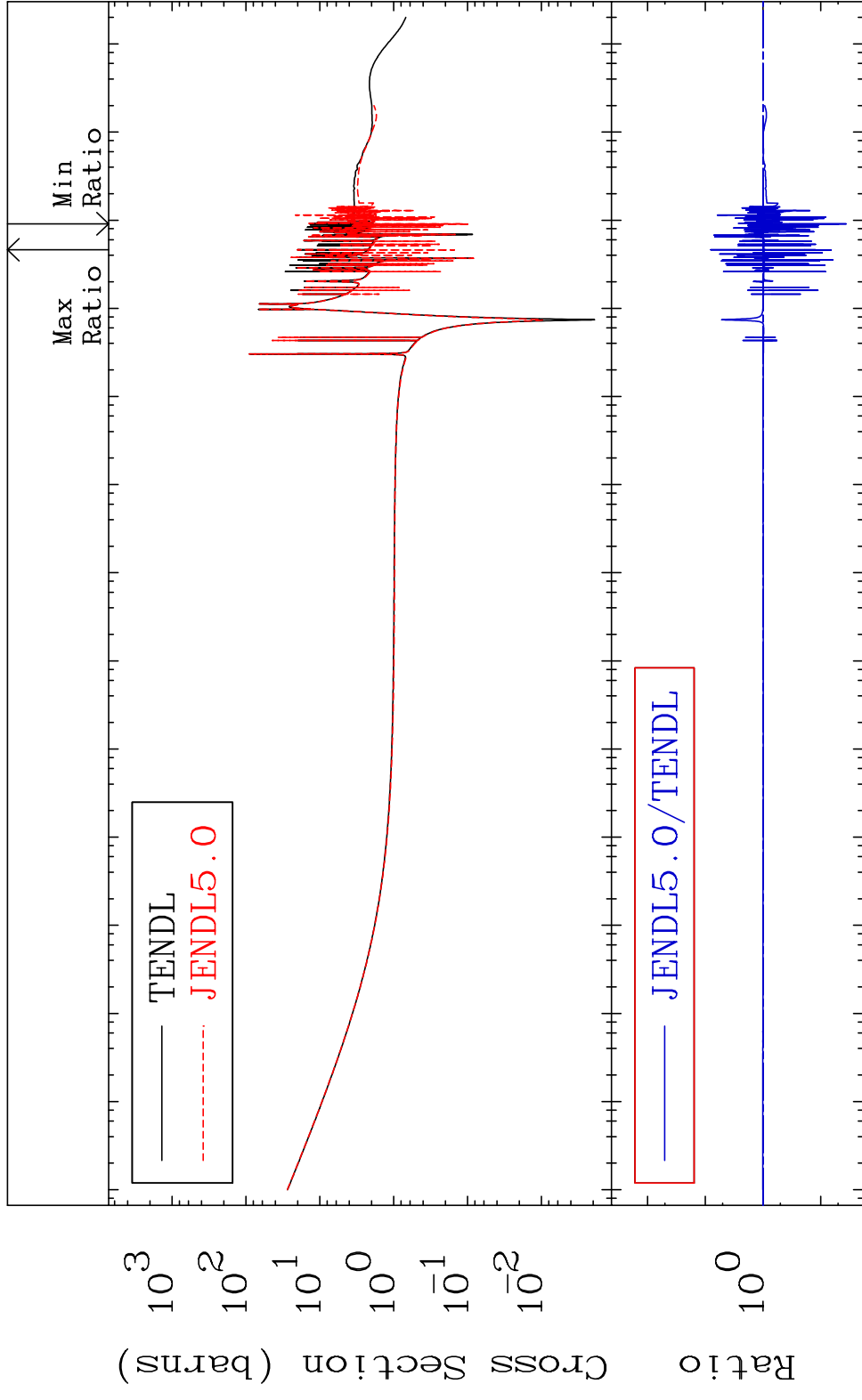
MAT 1625

Total

16-S -32

Cross Section

-96.42 To 705.0 %



Cross Section (barns)

Ratio

10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻²

10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1

Incident Energy (eV)

16-S -32

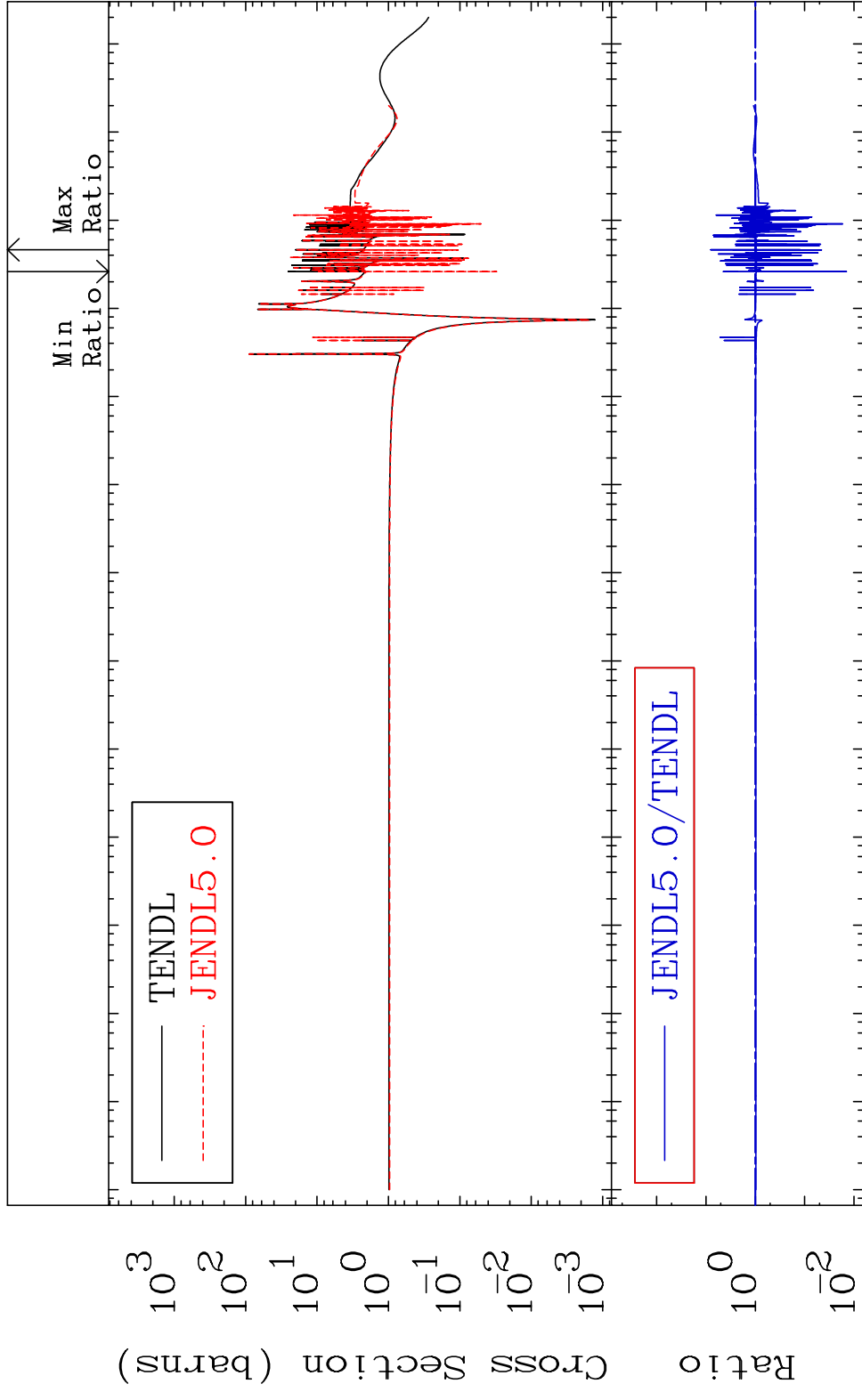
MAT 1625

Elastic

16-S -32

Cross Section

-98.57 To 701.3 %

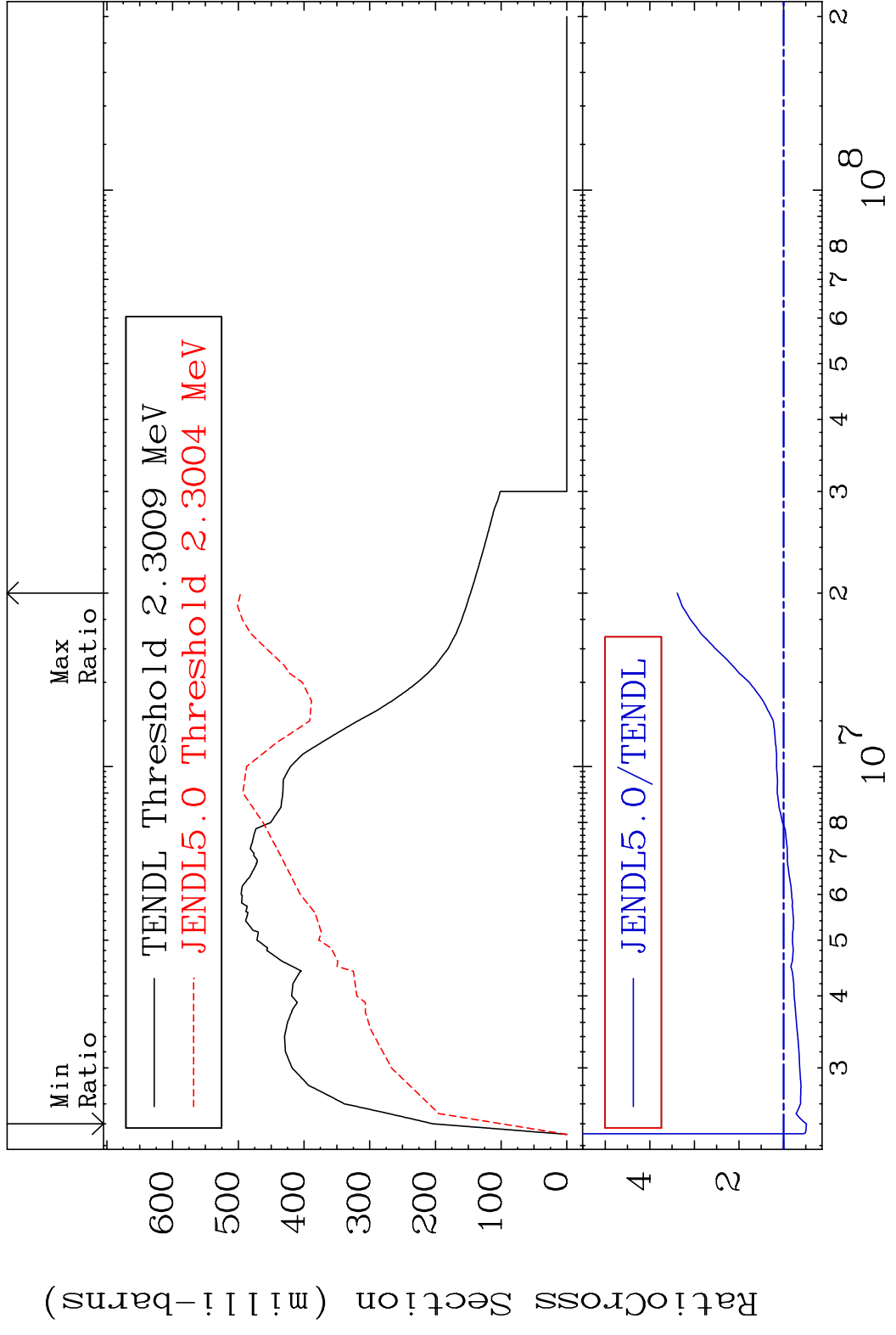


2

Incident Energy (eV)

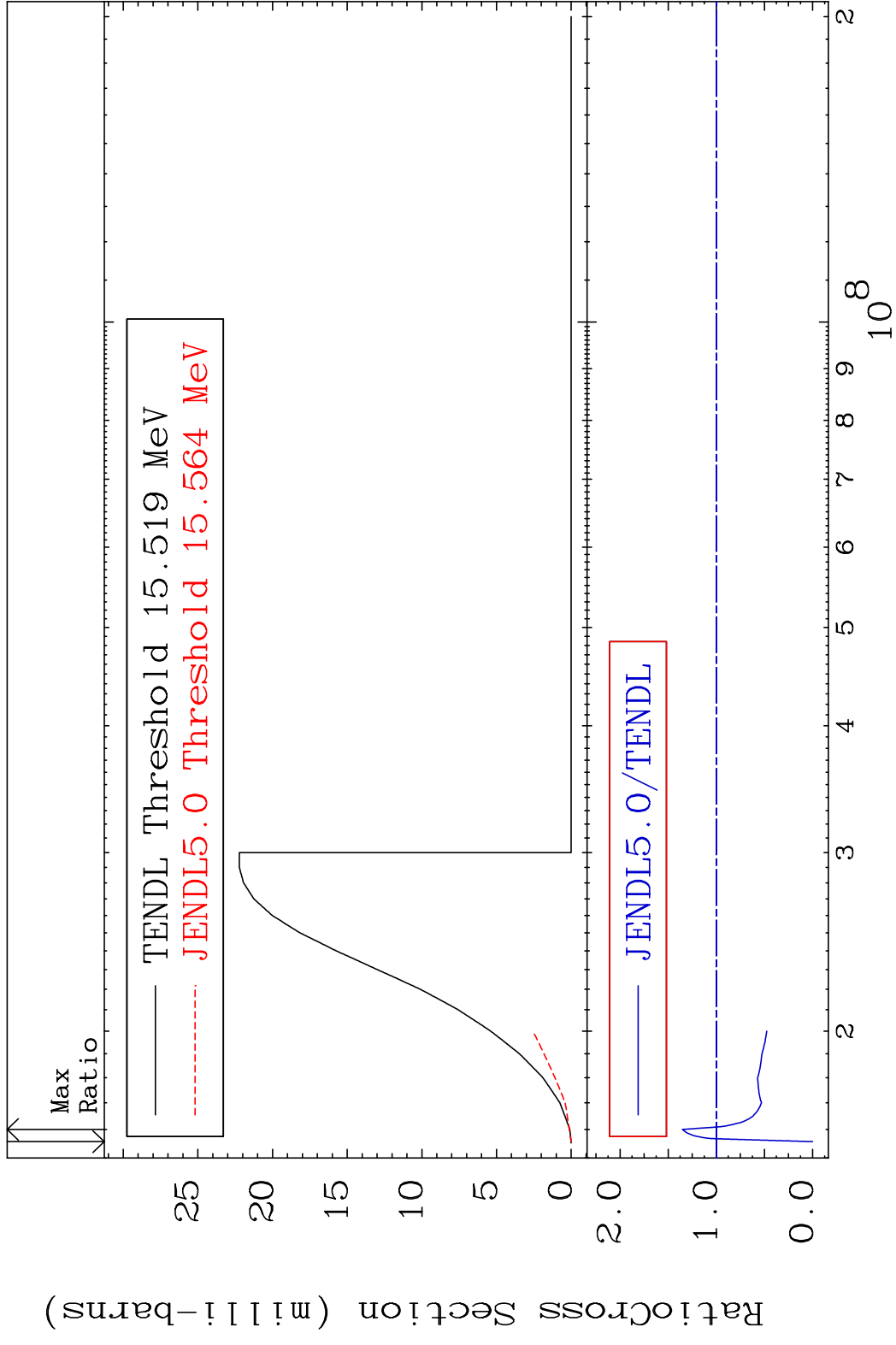
16-S -32

MAT 1625 Inelastic 16-S -32
 Cross Section -51.25 To 238.6 %

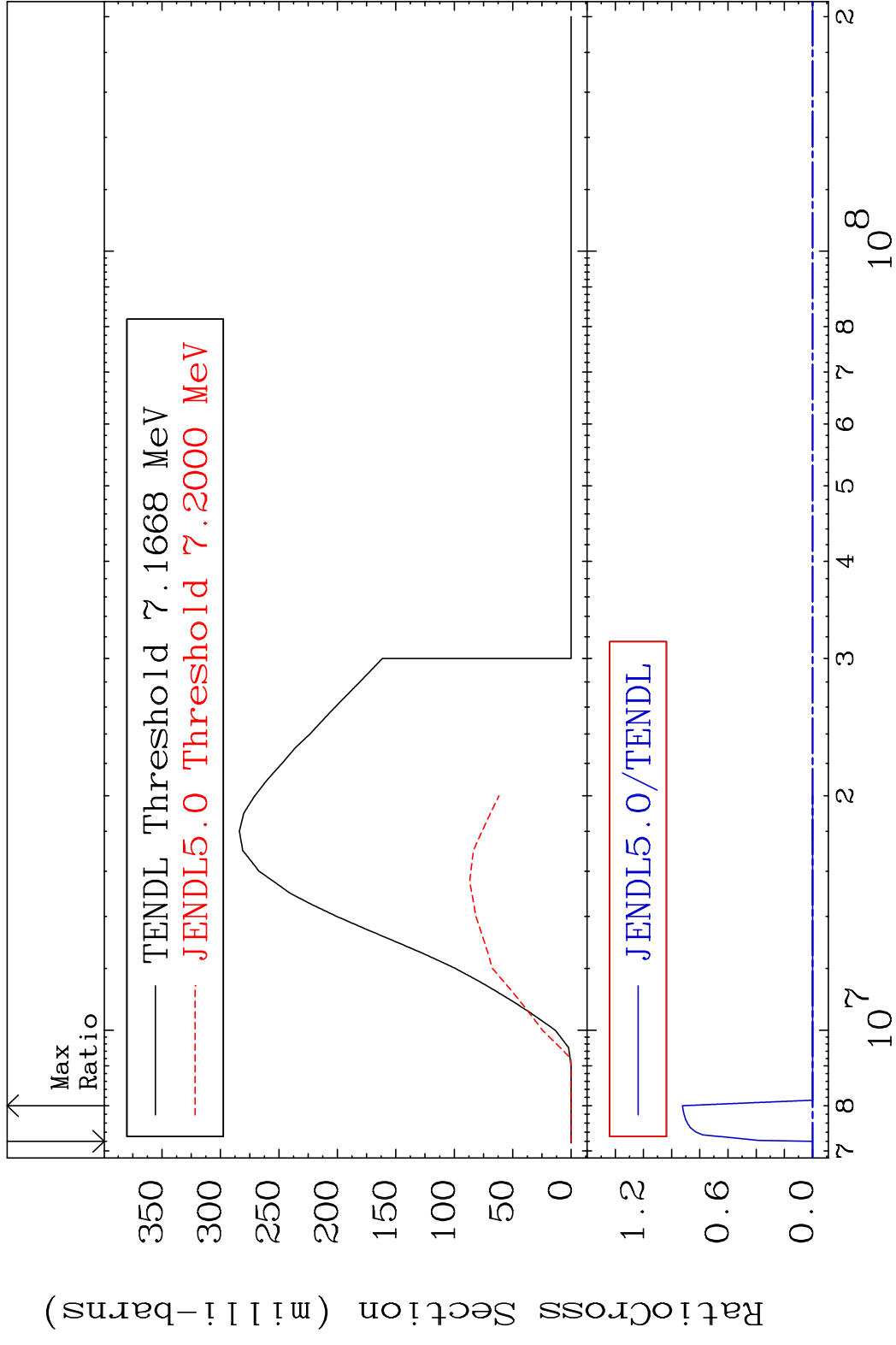


3 3 Incident Energy (eV) 16-S -32

MAT 1625 (n,2n) 16-S -32
 Cross Section -100.0 To 35.25 %



MAT 1625 (n, n') α 16-S -32
 Cross Section -100.0 To 9999. %

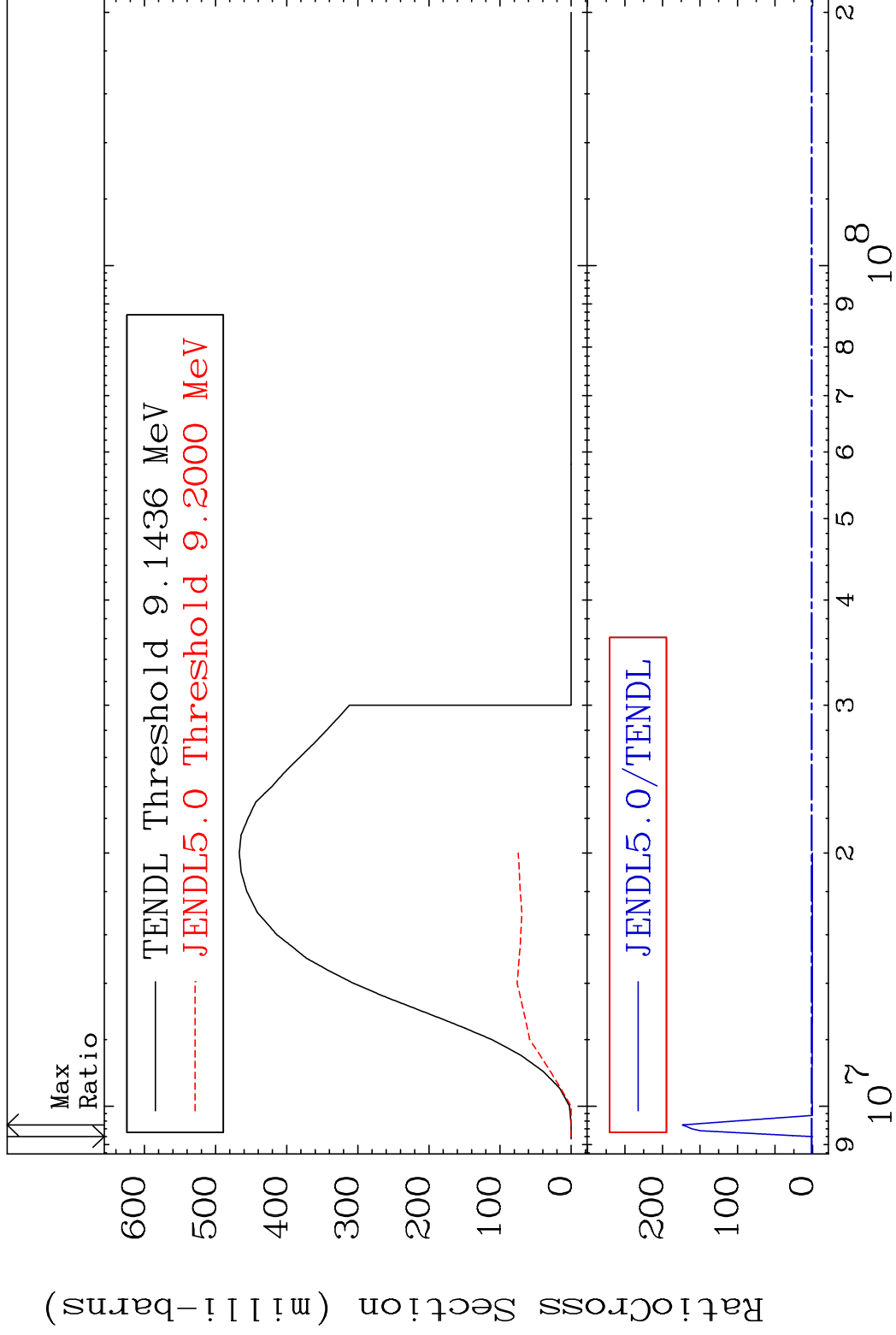


MAT 1625

(n, n') p

16-S -32

Cross Section -100.0 To 9999. %

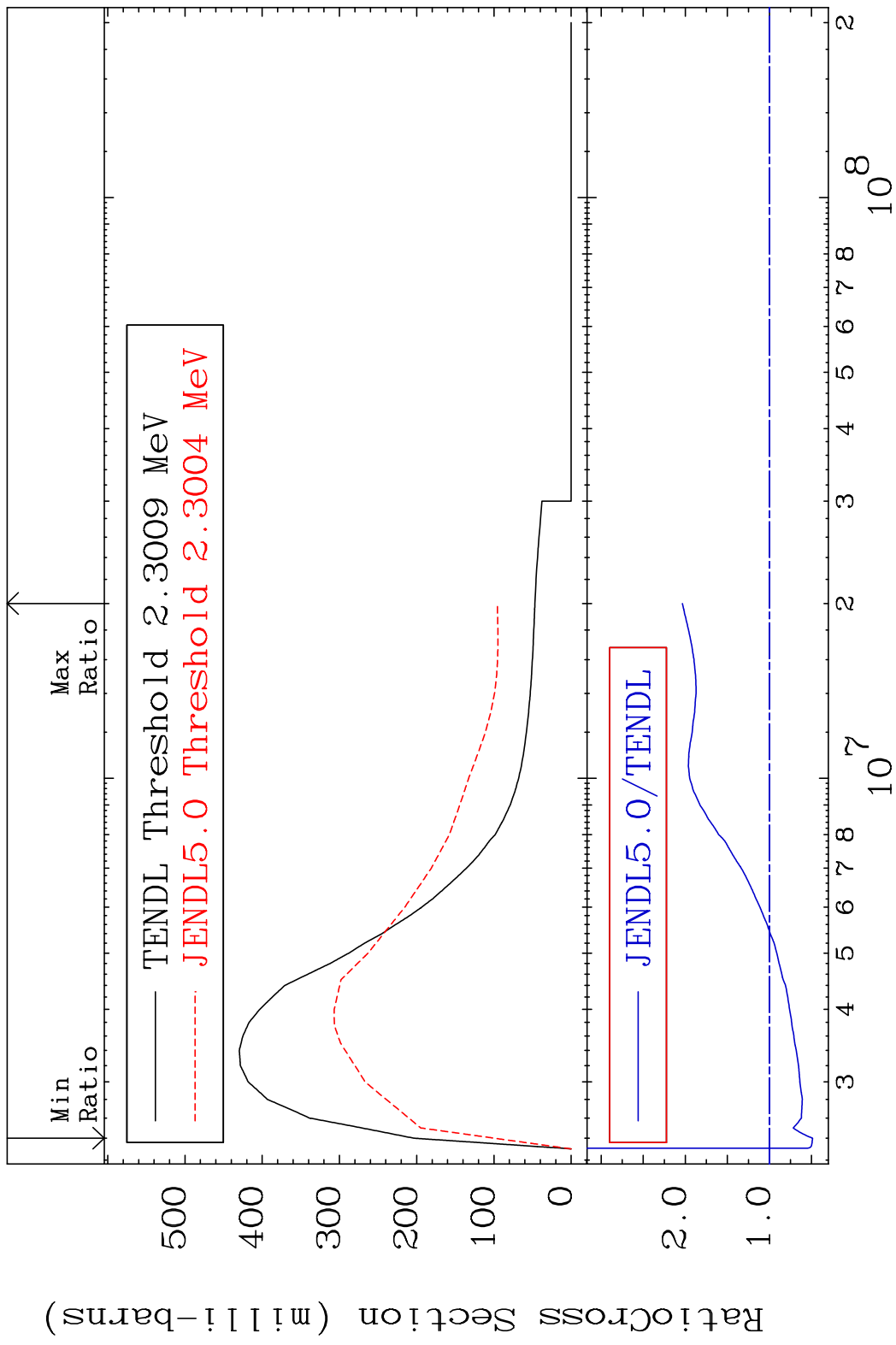


6

Incident Energy (eV)

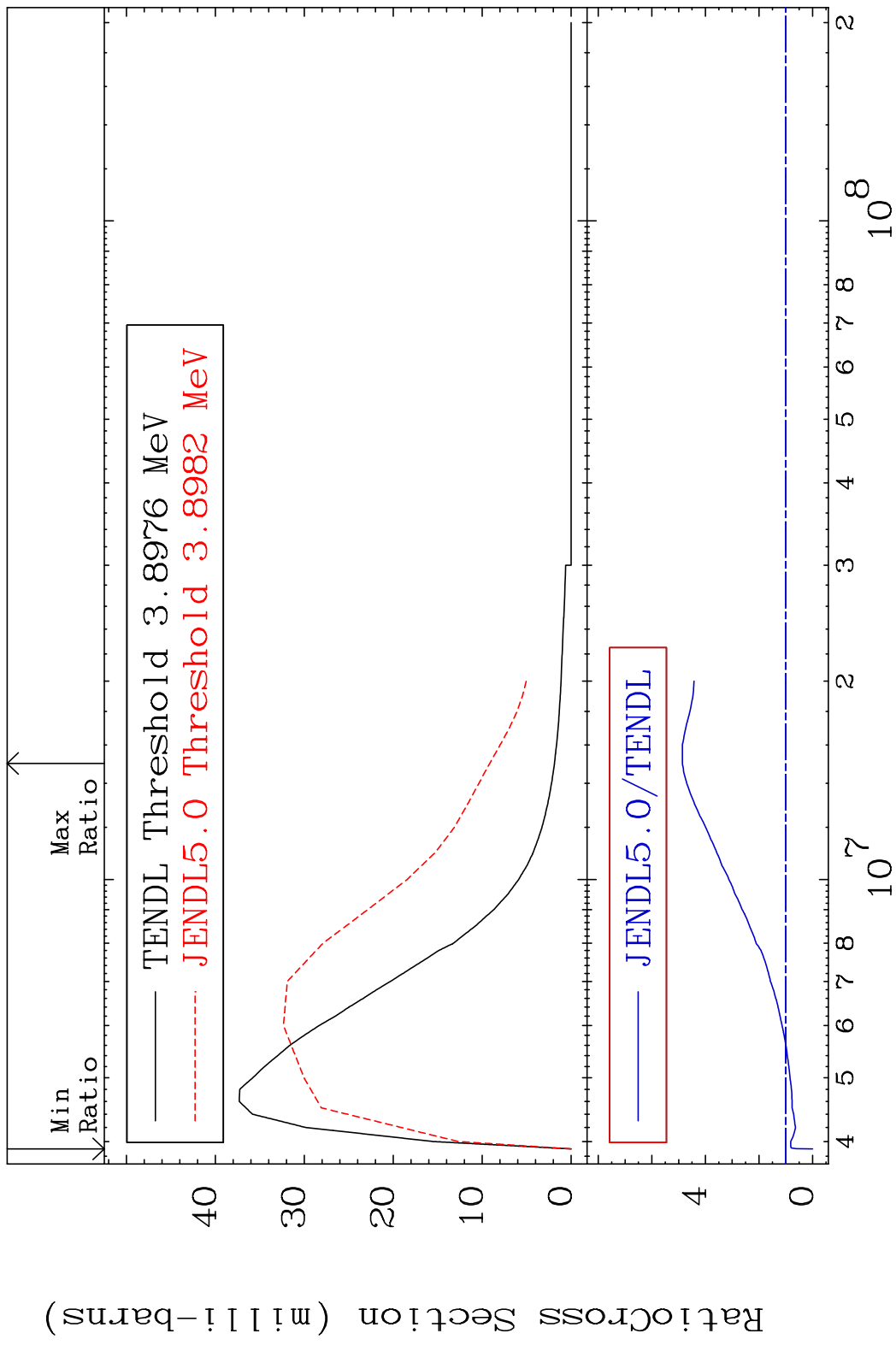
16-S -32

MAT 1625 MT= 51 (n, n') Level 16-S -32
 Cross Section -51.25 To 103.5 %



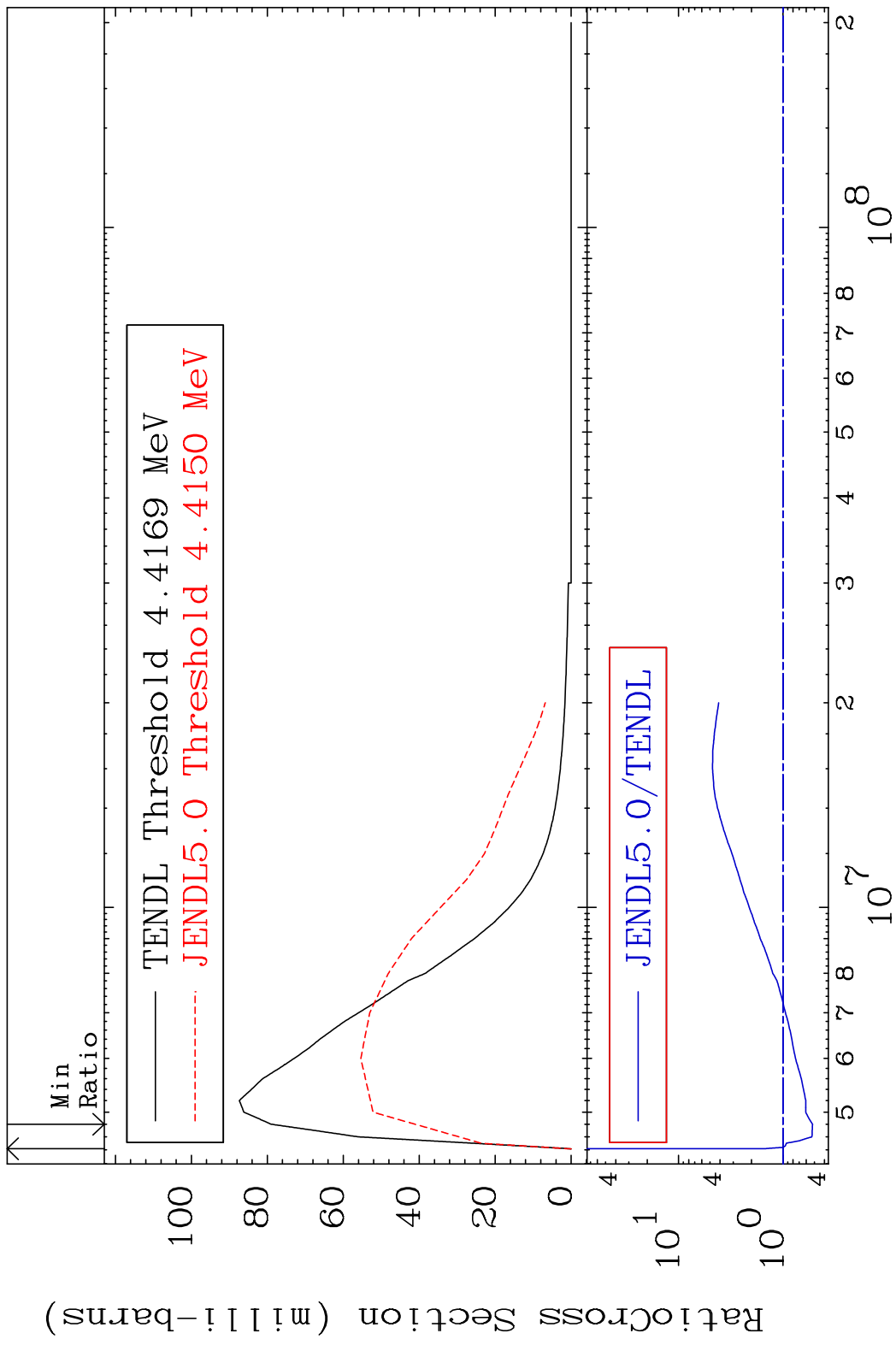
7 Incident Energy (eV) 16-S -32

MAT 1625 MT= 52 (n,n') Level 16-S -32
 Cross Section -100.0 To 386.1 %

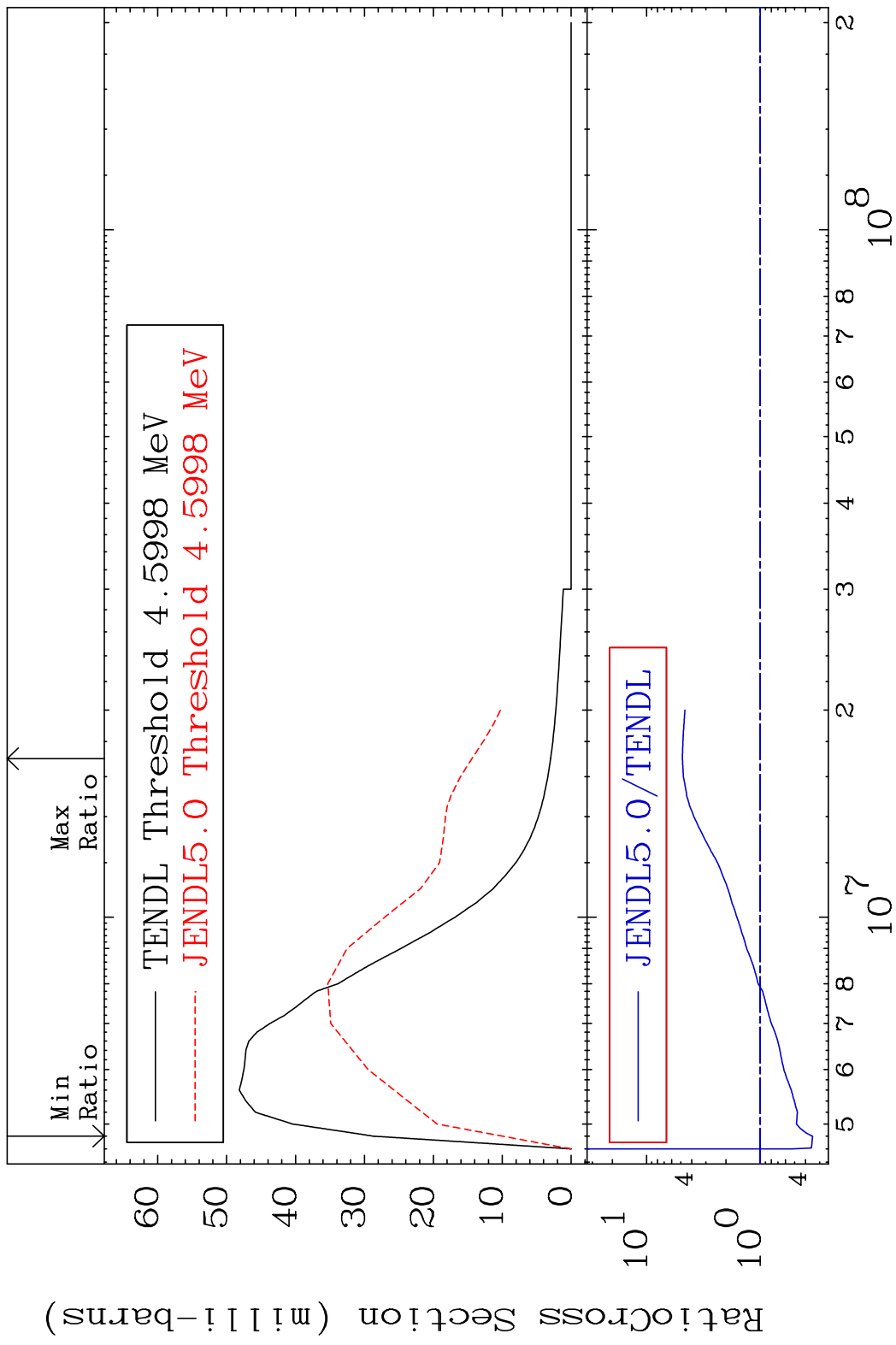


8 Incident Energy (eV) 16-S -32

MAT 1625 MT= 53 (n,n') Level 16-S -32
 Cross Section -47.96 To 820.2 %

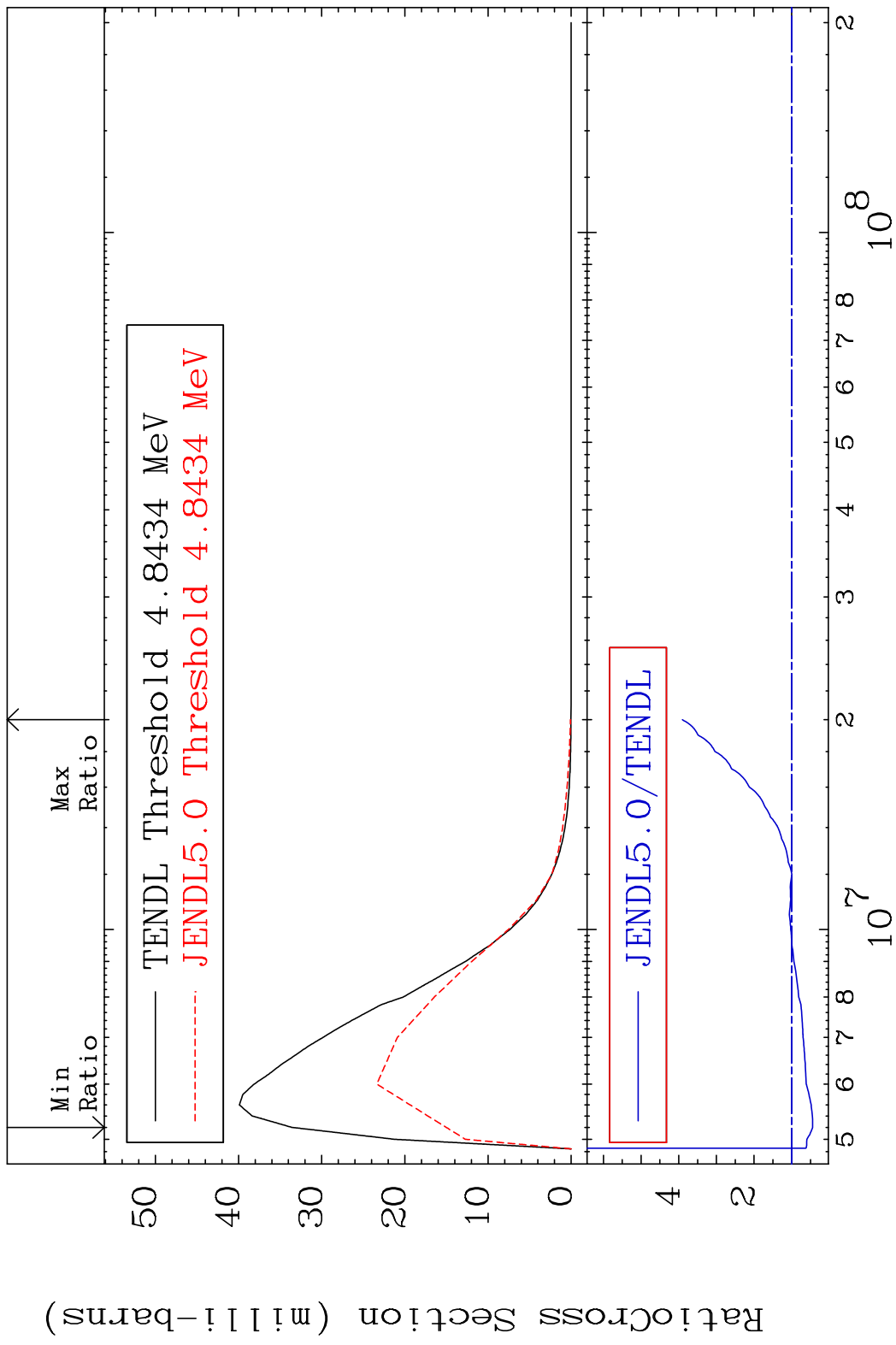


MAT 1625 MT= 54 (n,n') Level 16-S -32
 Cross Section -65.32 To 384.0 %

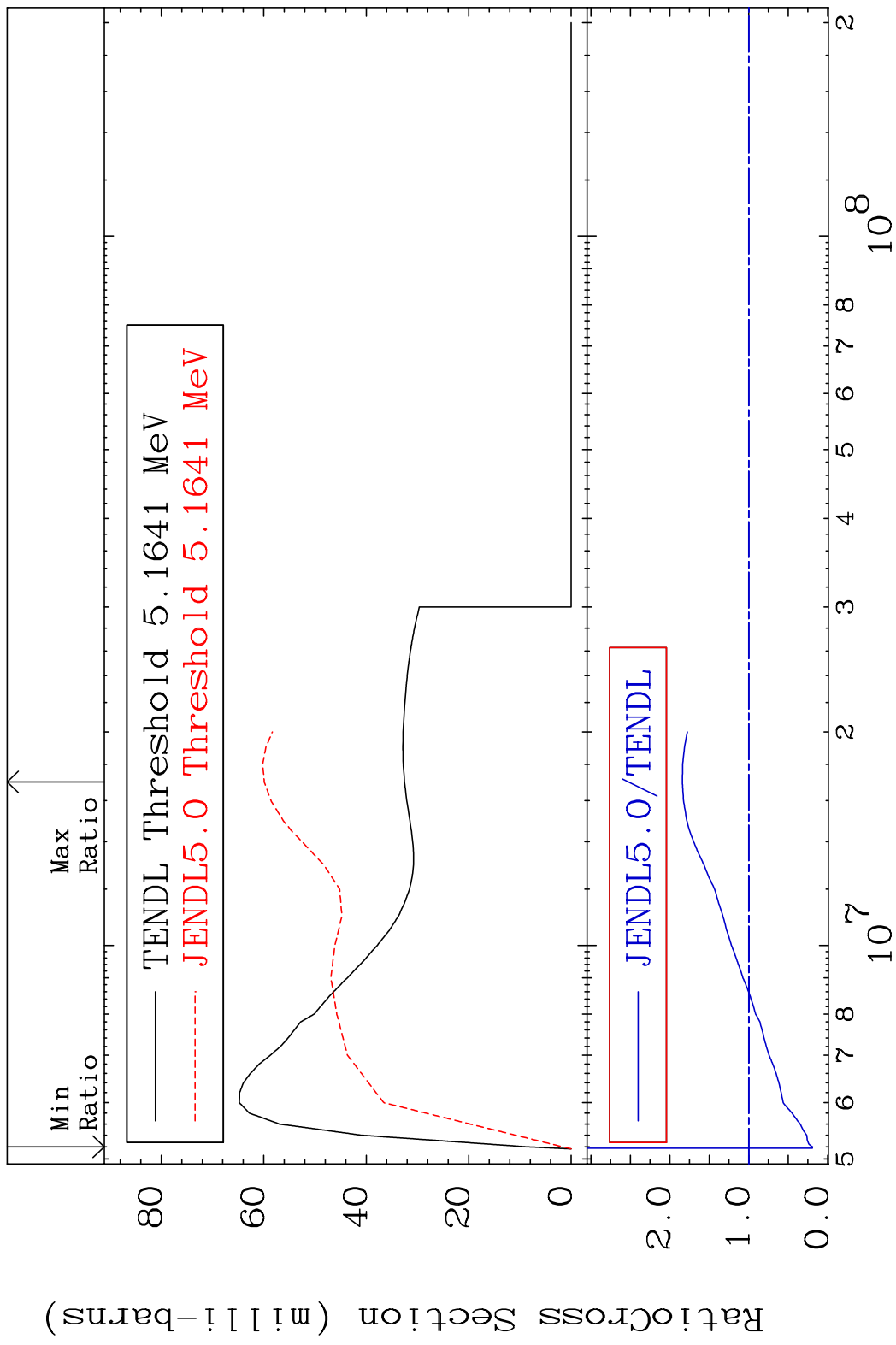


10 10 16-S -32

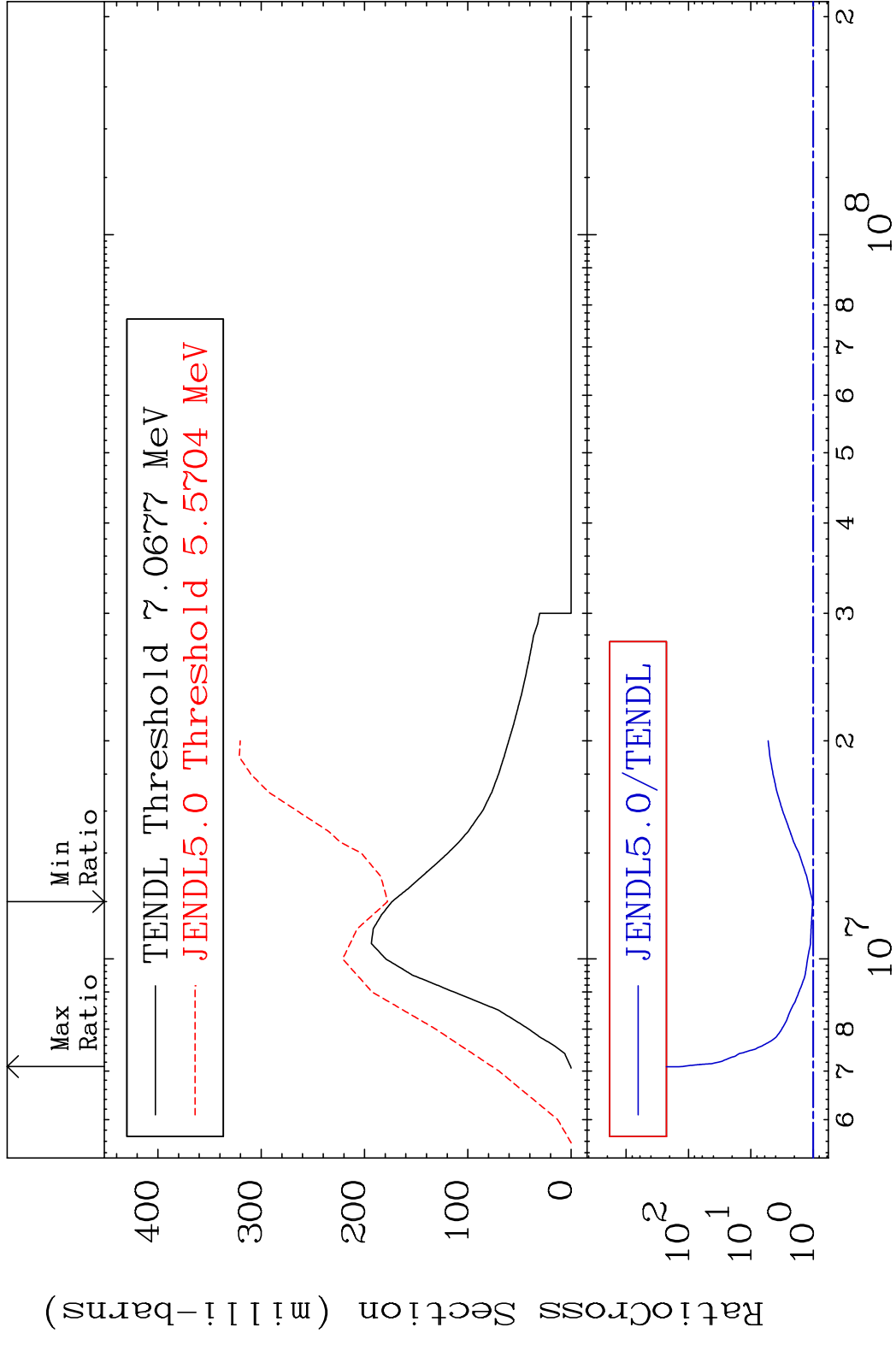
MAT 1625 MT= 55 (n,n') Level 16-S -32
 Cross Section -55.29 To 290.4 %



MAT 1625 MT= 56 (n, n') Level 16-S -32
 Cross Section -80.89 To 84.11 %



MAT 1625 (n,n') Continuum 16-S -32
 Cross Section 2.511 To 9999. %

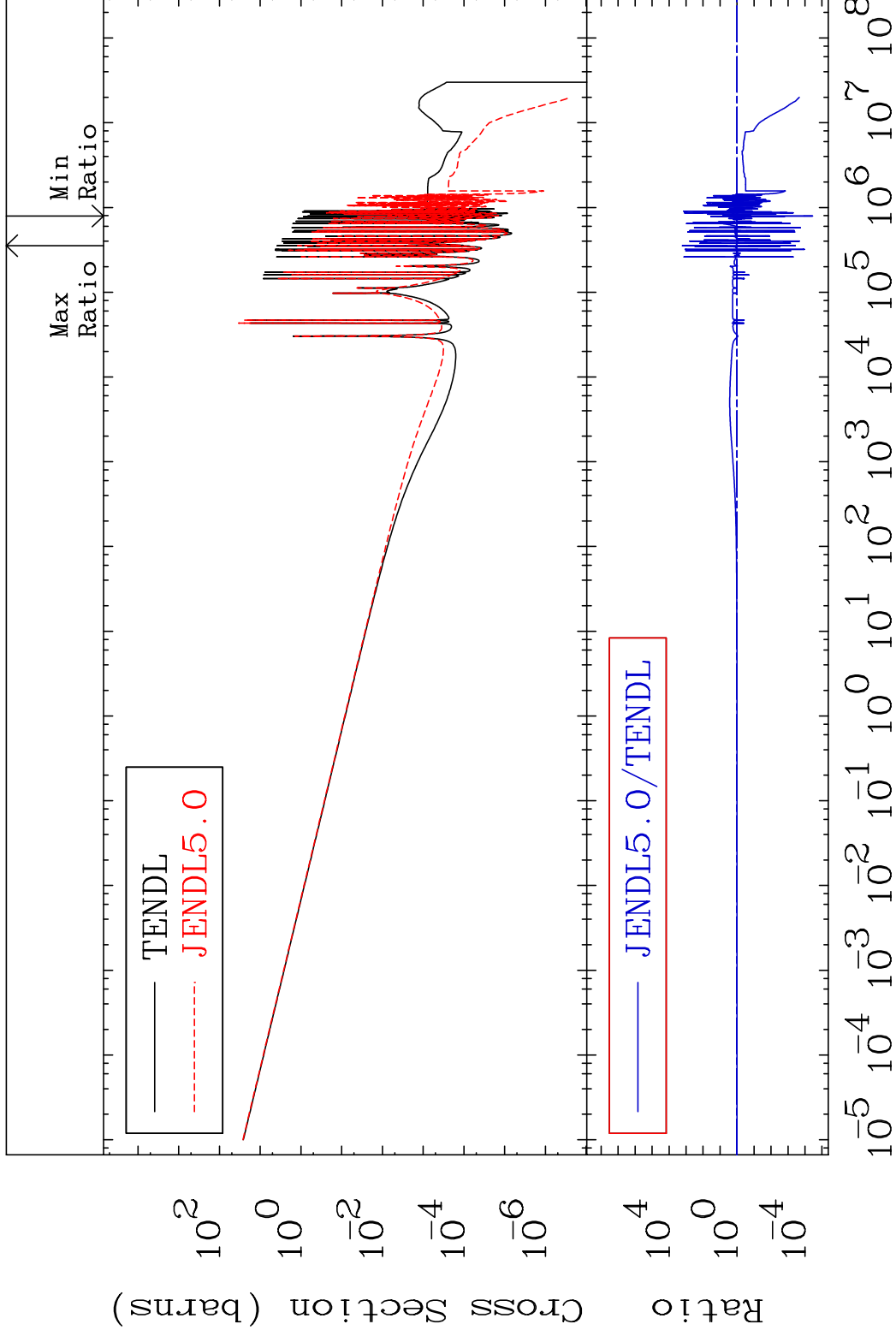


MAT 1625

(n, γ)

16-S -32

Cross Section -100.0 To 9999. %



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Incident Energy (eV)

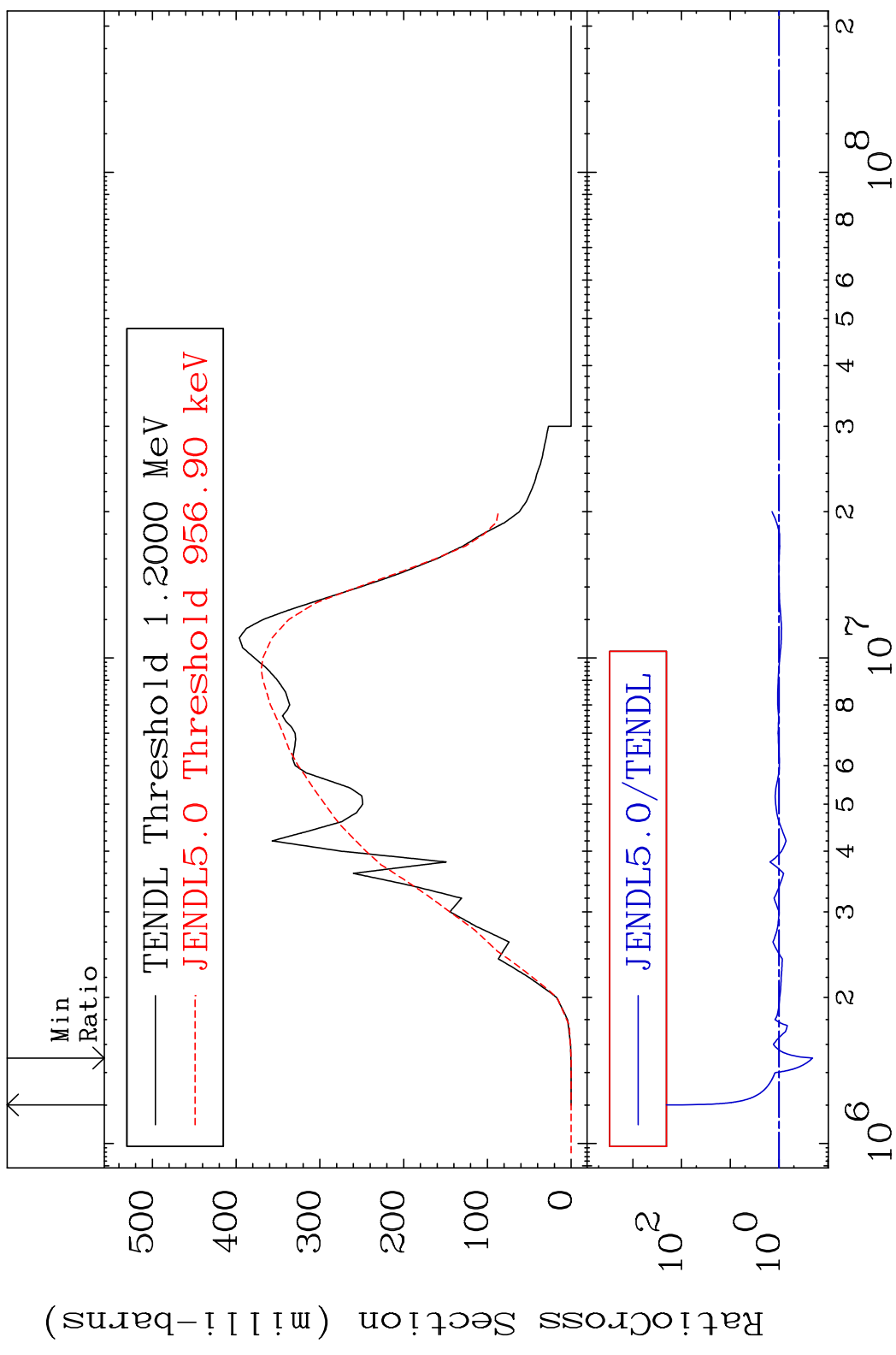
16-S -32

MAT 1625

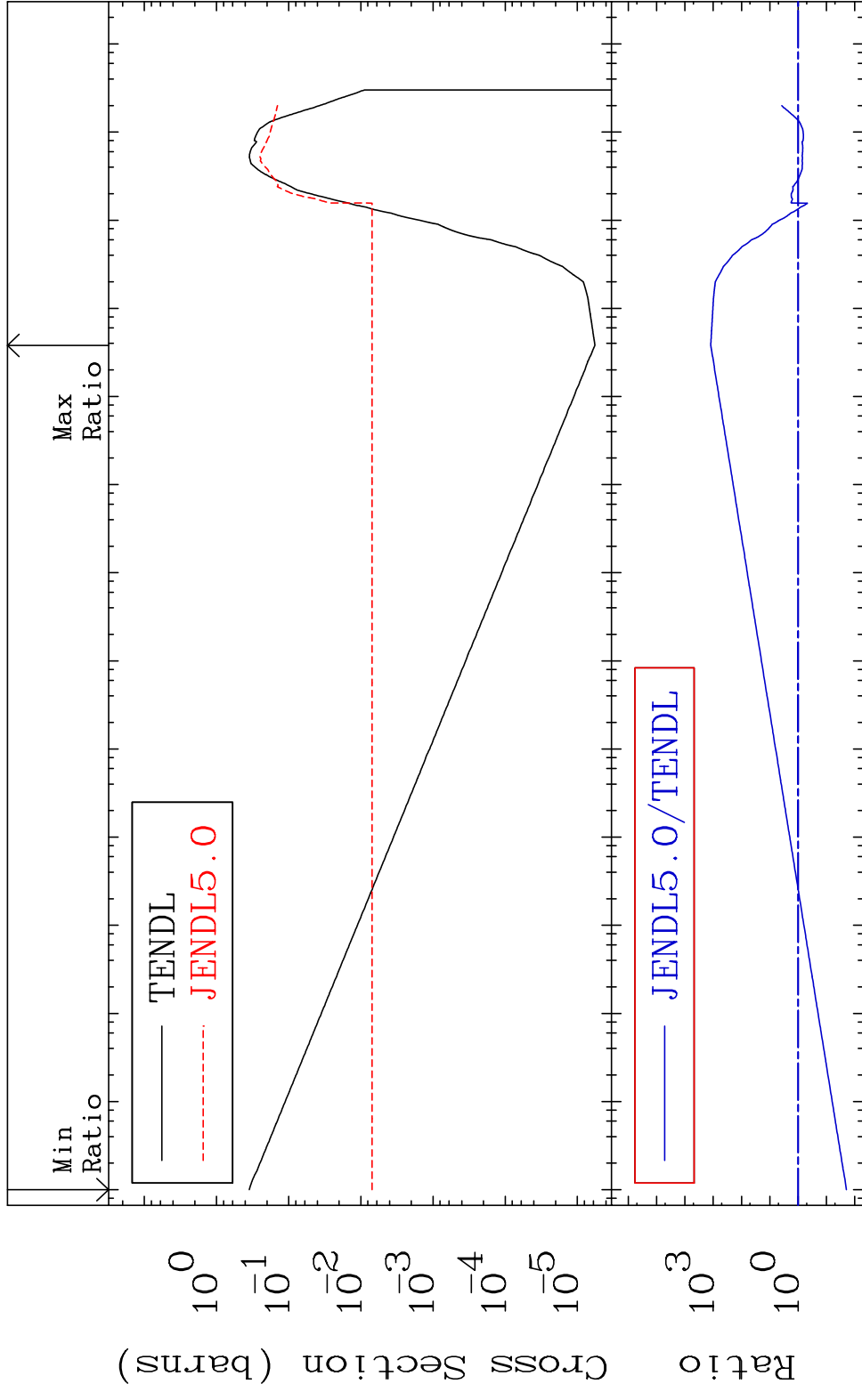
(n,p)

16-S -32

Cross Section -79.33 To 9545. %



MAT 1625 (n, α) Cross Section -98.01 To 9999. % 16-S -32



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

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

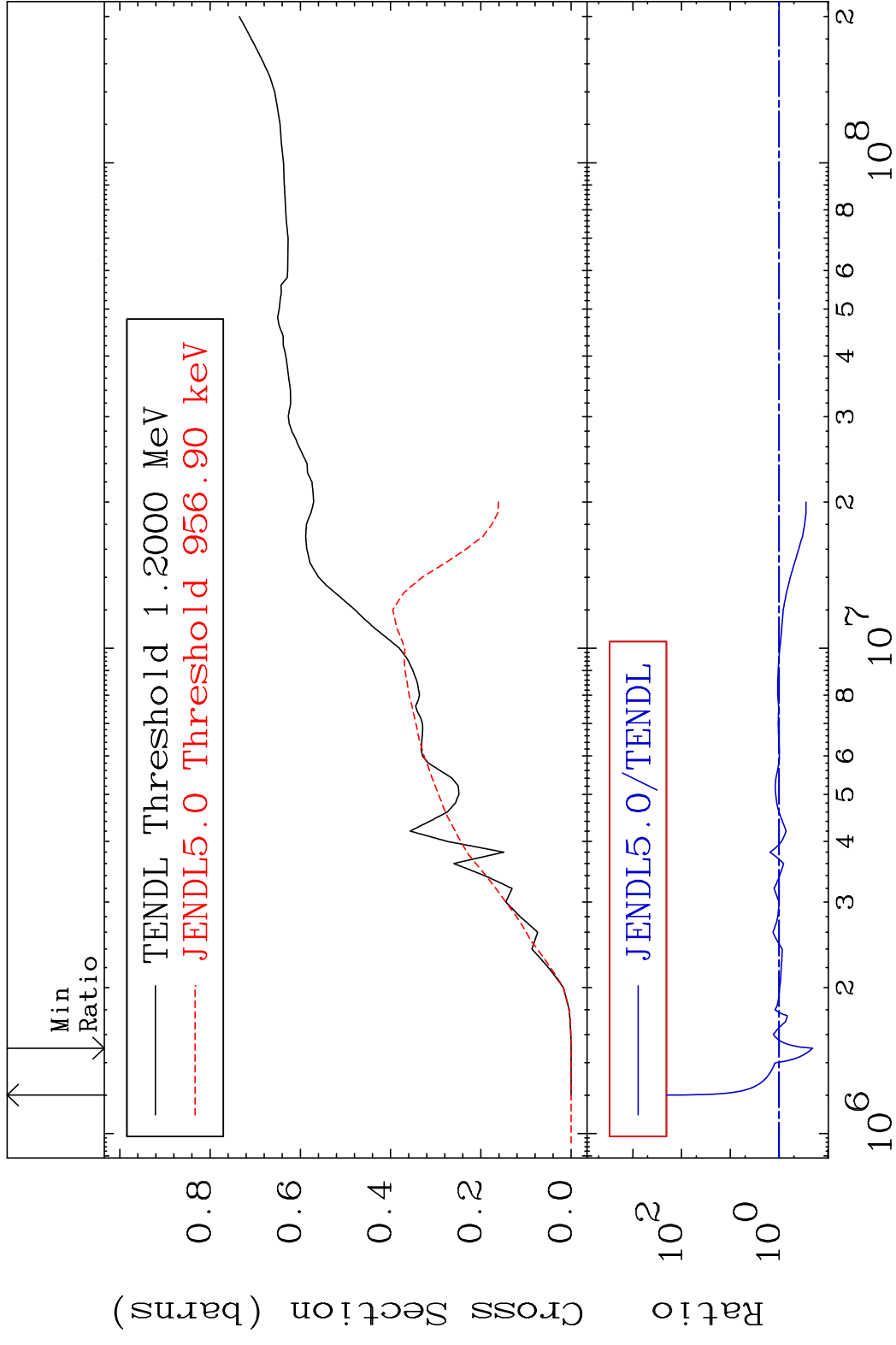
16 Incident Energy (eV) 16-S -32

MAT 1625

Hydrogen Production

16-S -32

Cross Section -79.33 To 9545. %

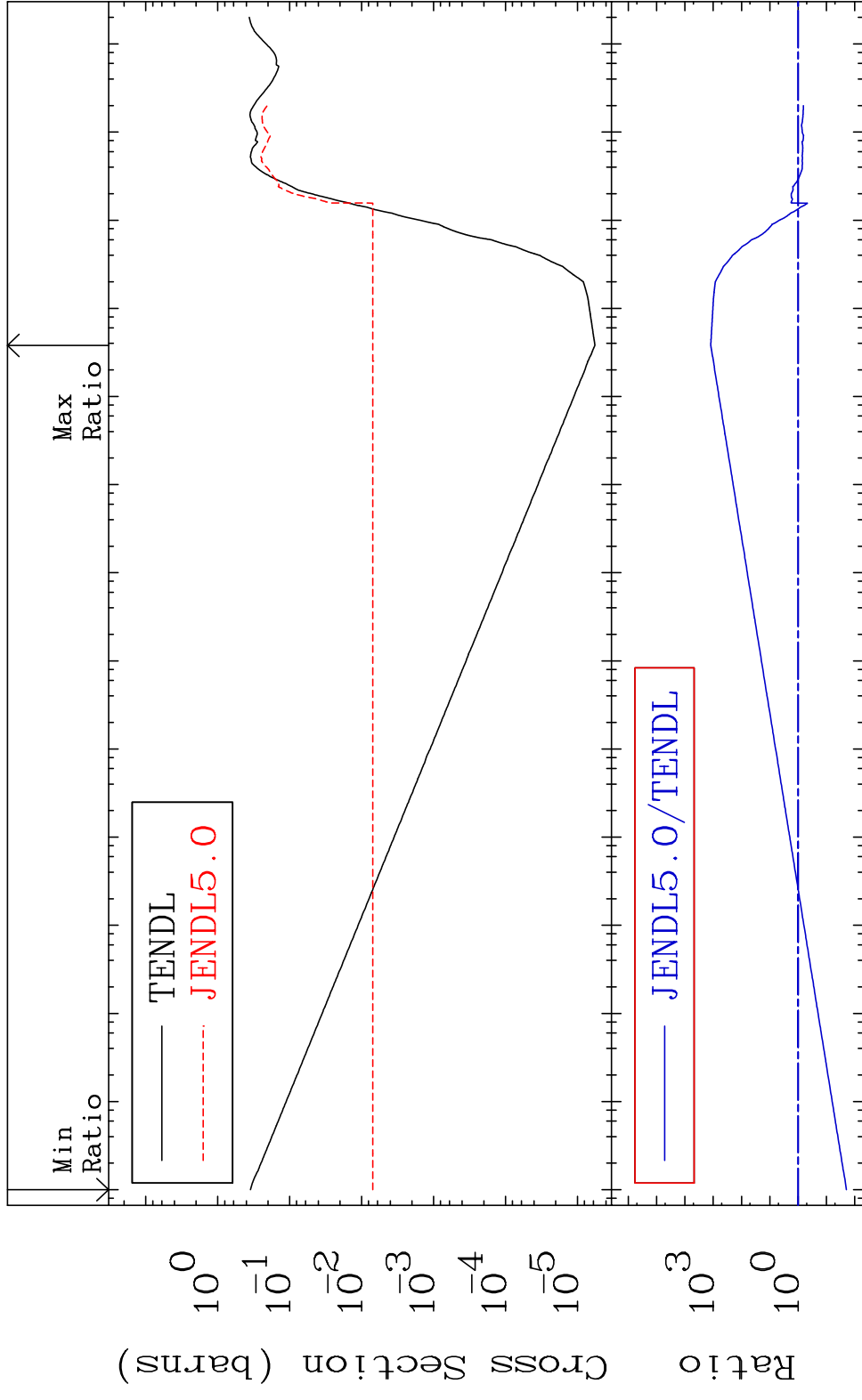


17

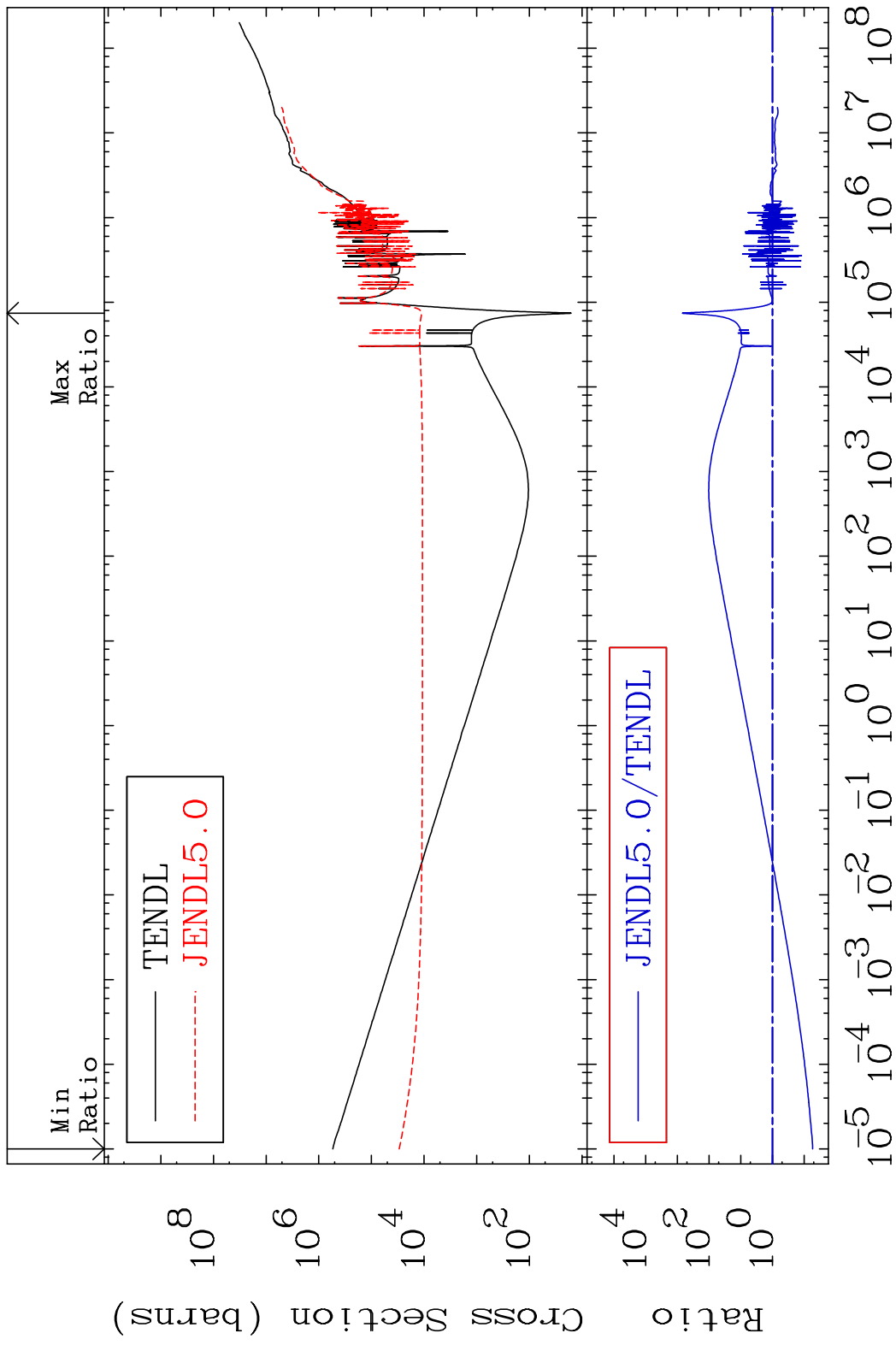
Incident Energy (eV)

16-S -32

MAT 1625 He-4 Production 16-S -32
 Cross Section -98.01 To 9999. %



MAT 1625 Kerma total (eV-barns) 16-S -32
 Cross Section -94.54 To 9999. %

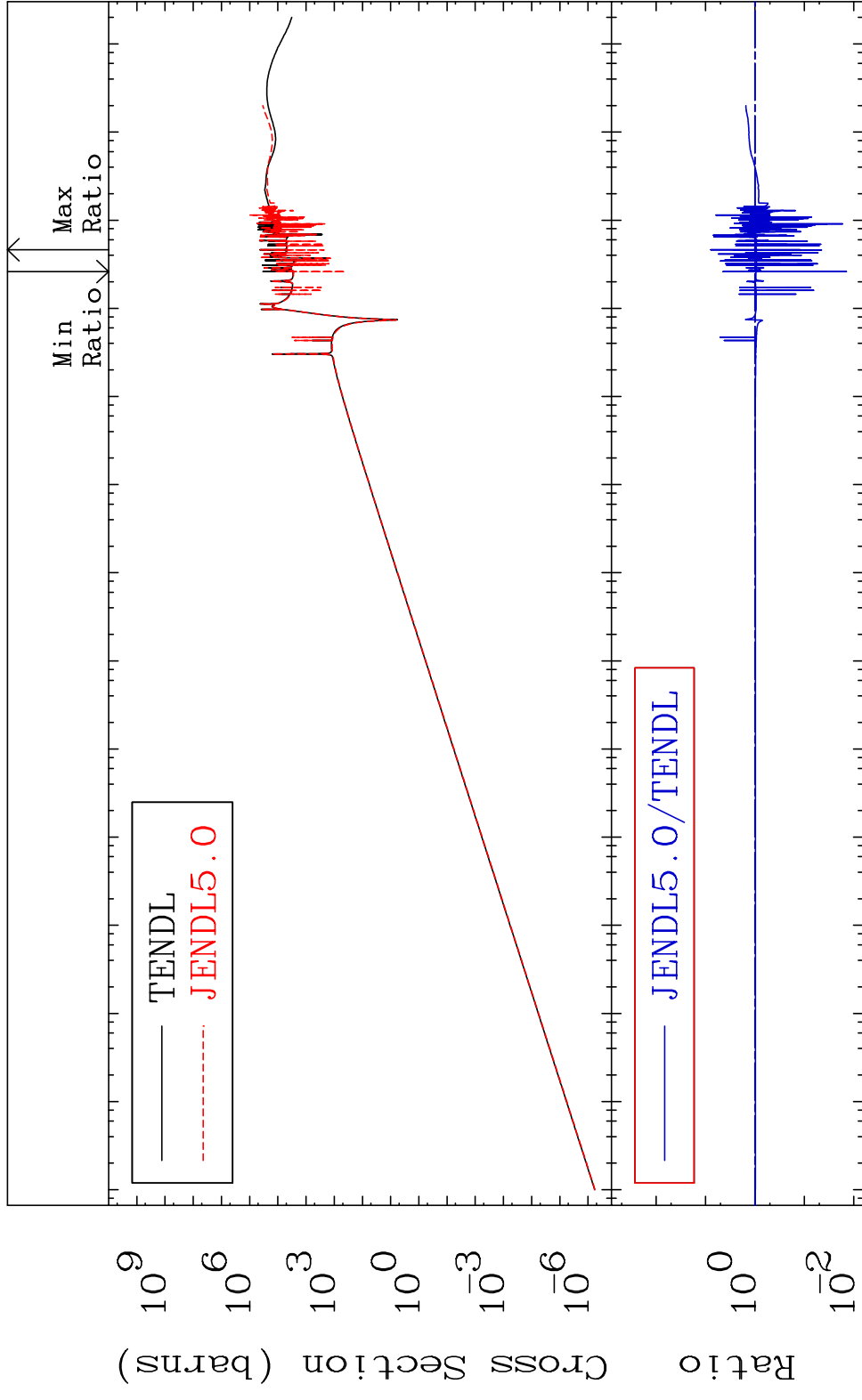


19 Incident Energy (eV) 16-S -32

MAT 1625

Kerma elastic
Cross Section

16-S -32
-98.59 To 686.4 %

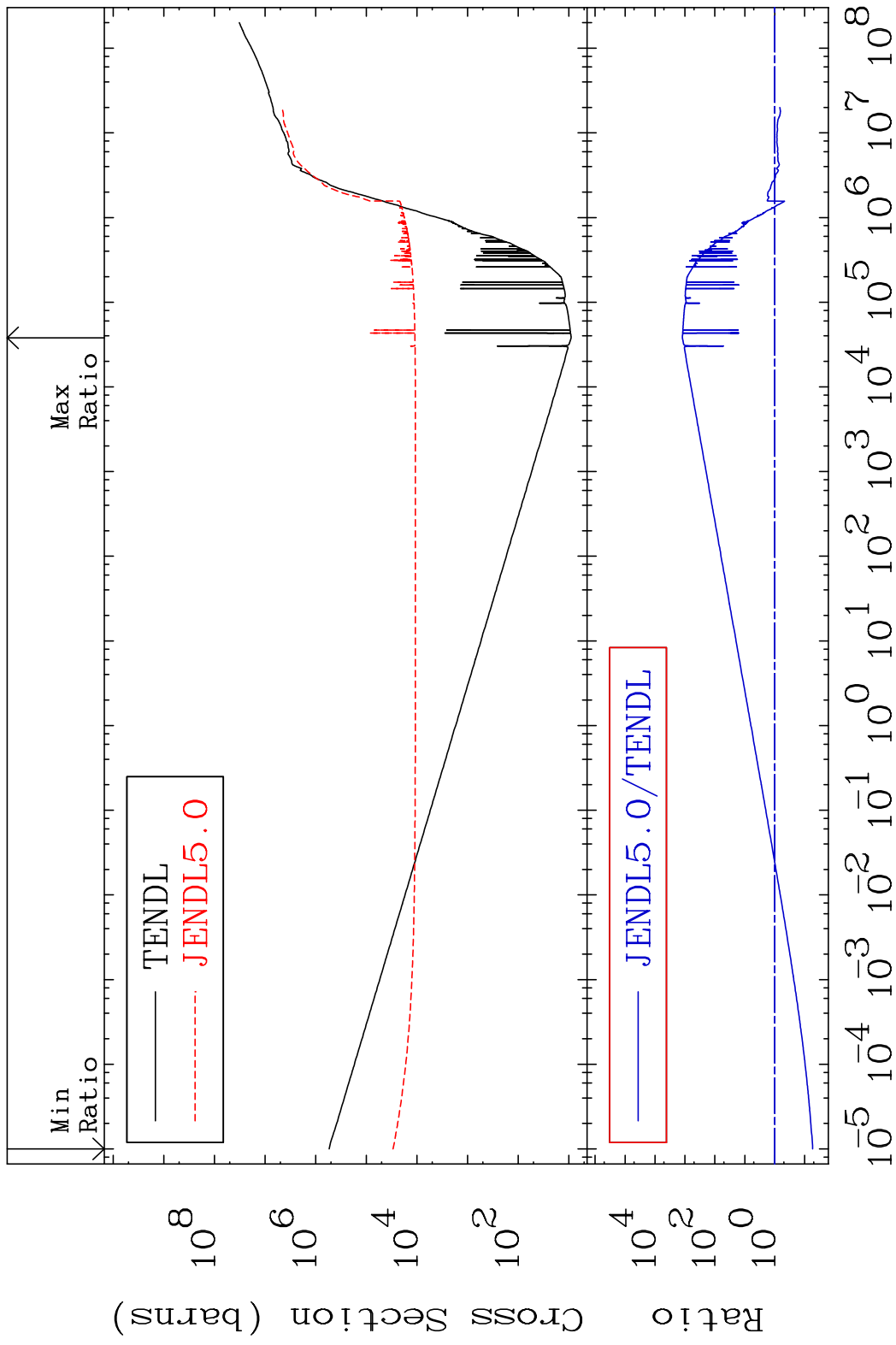


20

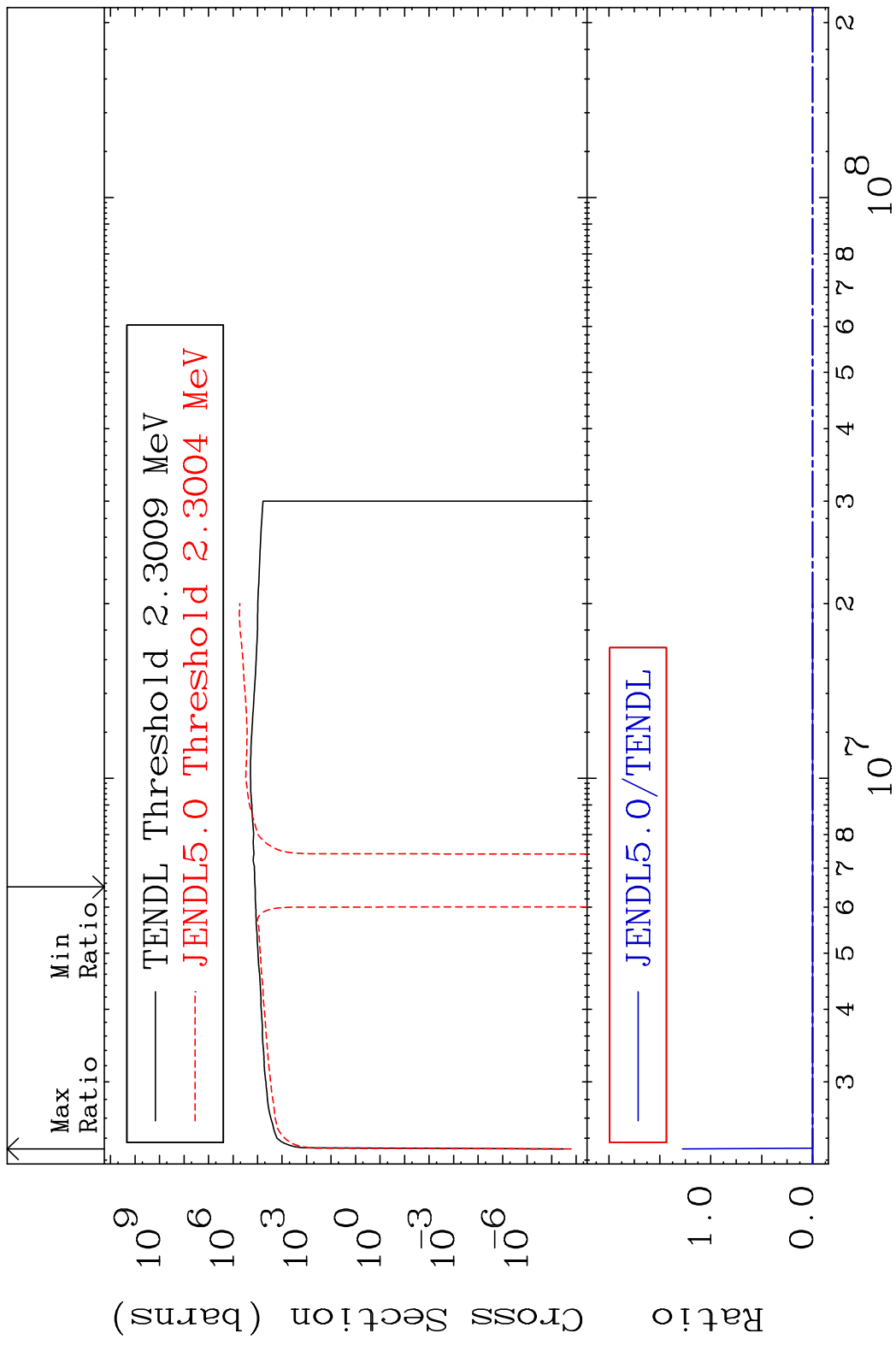
Incident Energy (eV)

16-S -32

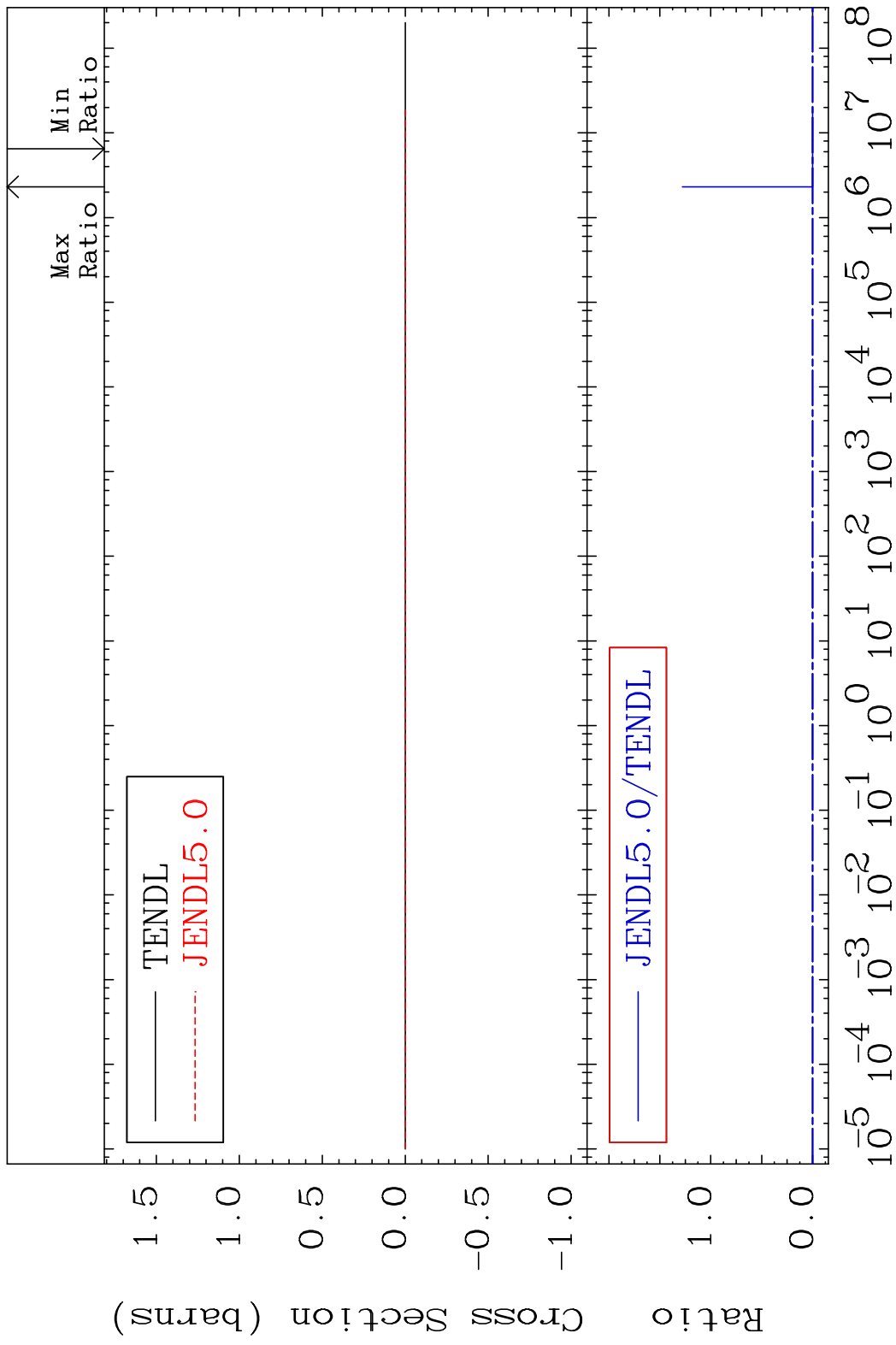
MAT 1625 Kerma non-elastic (all but mt2) 16-S -32
 Cross Section -94.54 To 9999. %



MAT 1625 Kerma inelastic (mt51-91) 16-S -32
 Cross Section -171.0 To 9999. %

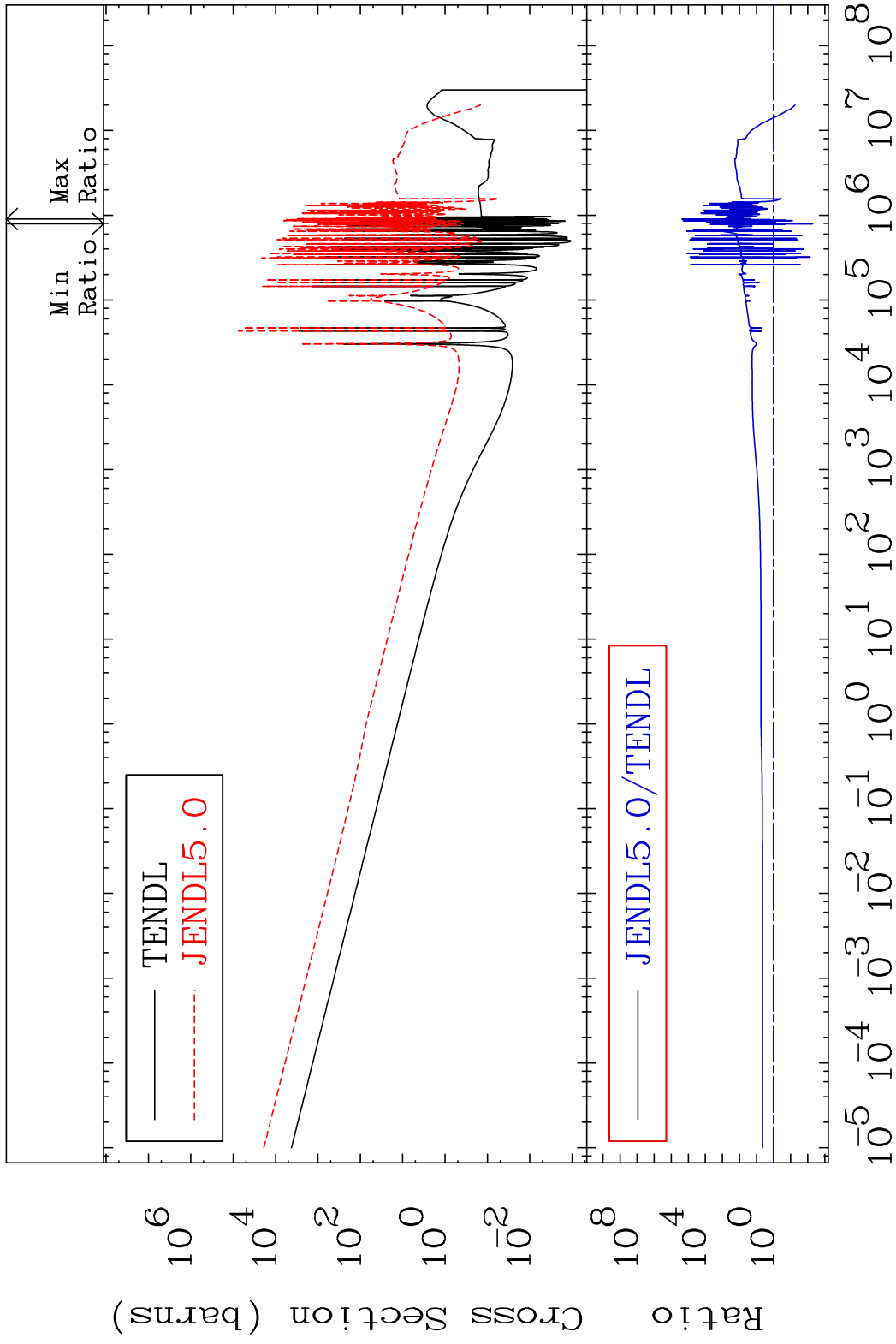


MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -171.0 To 9999. %



MAT 1625

Kerma capture (mt102) 16-S -32
Cross Section -99.47 To 9999. %

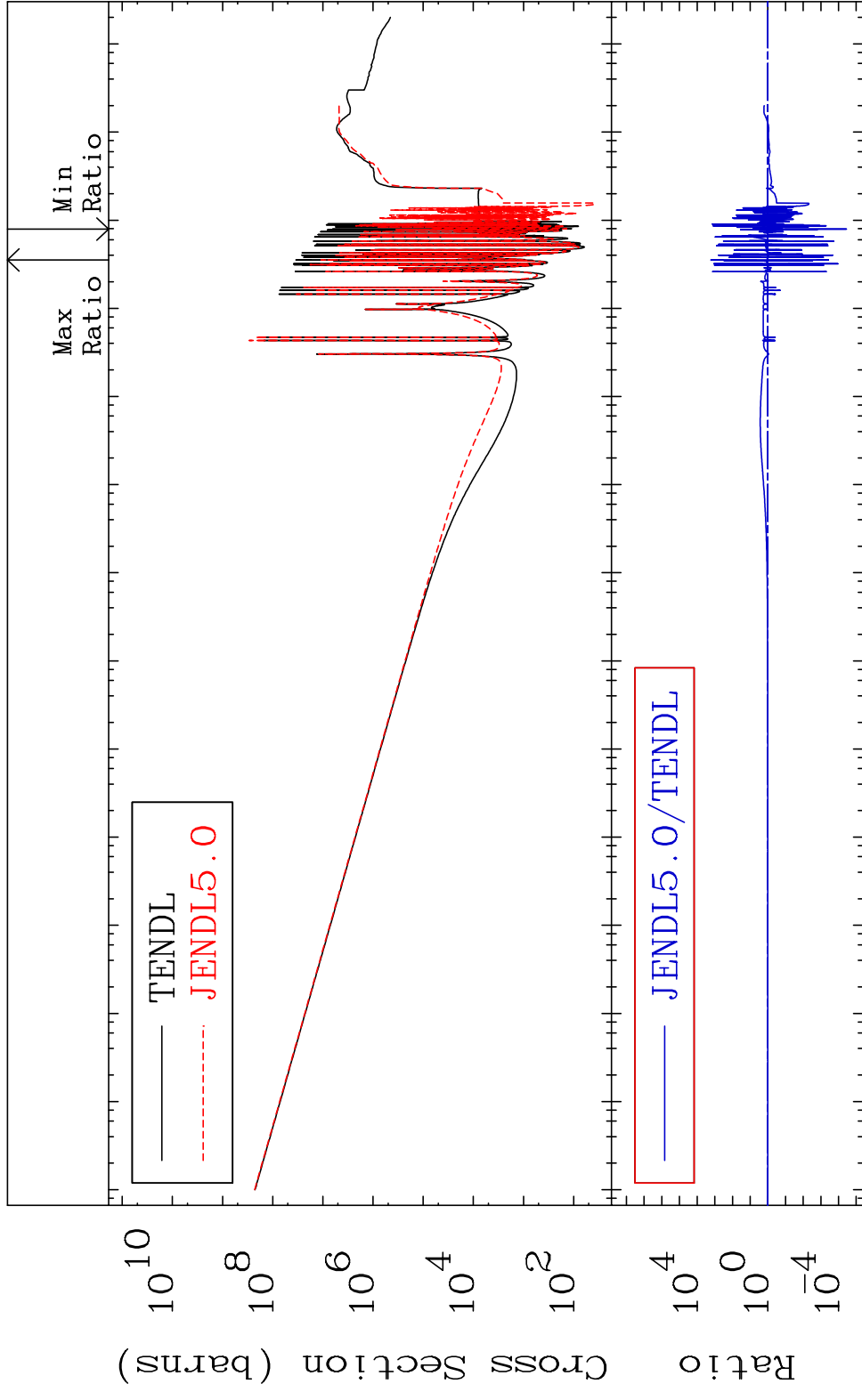


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Incident Energy (eV) 16-S -32

MAT 1625

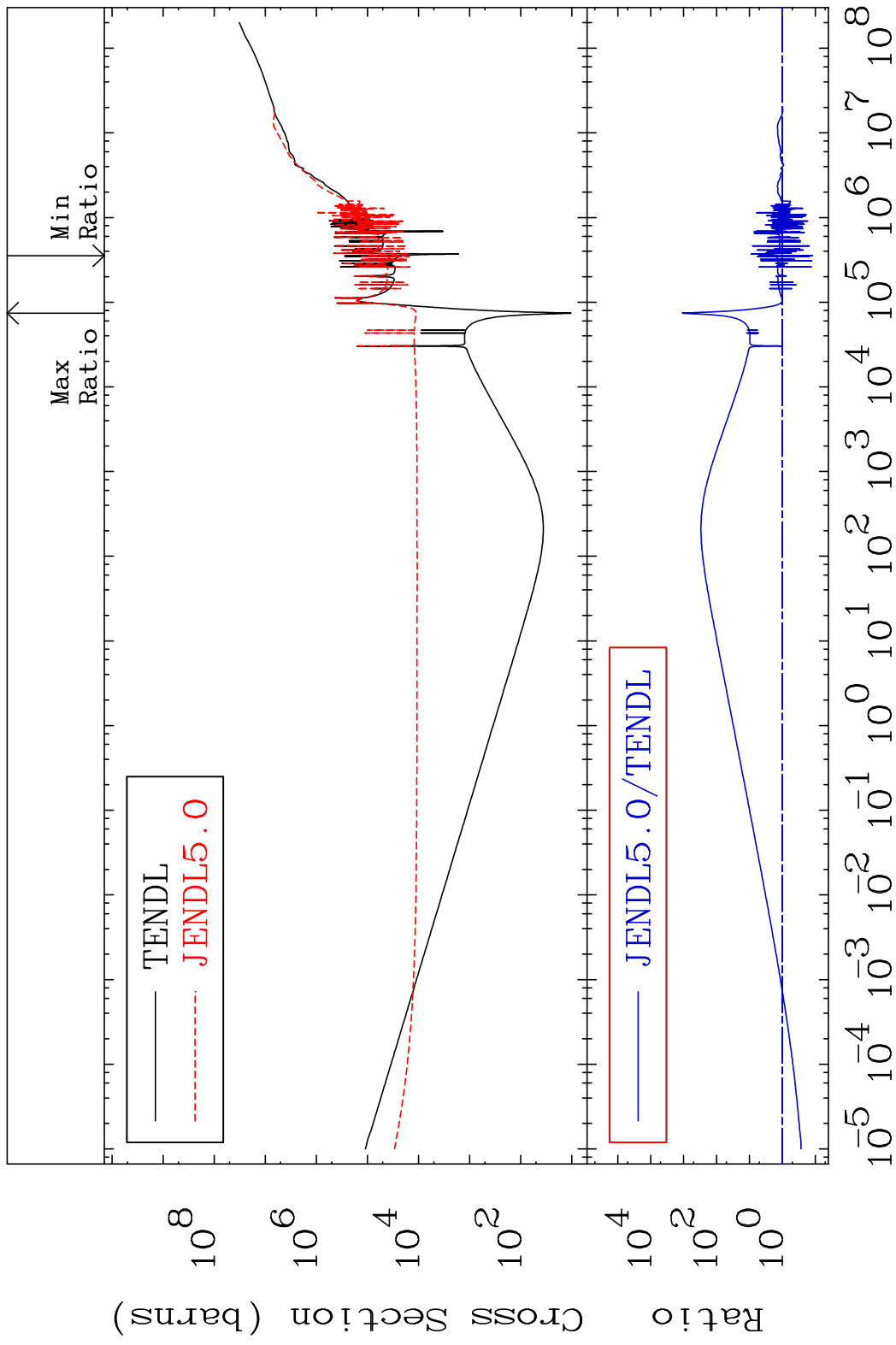
Total photon (eV-barns) 16-S -32
Cross Section -100.0 To 9999. %



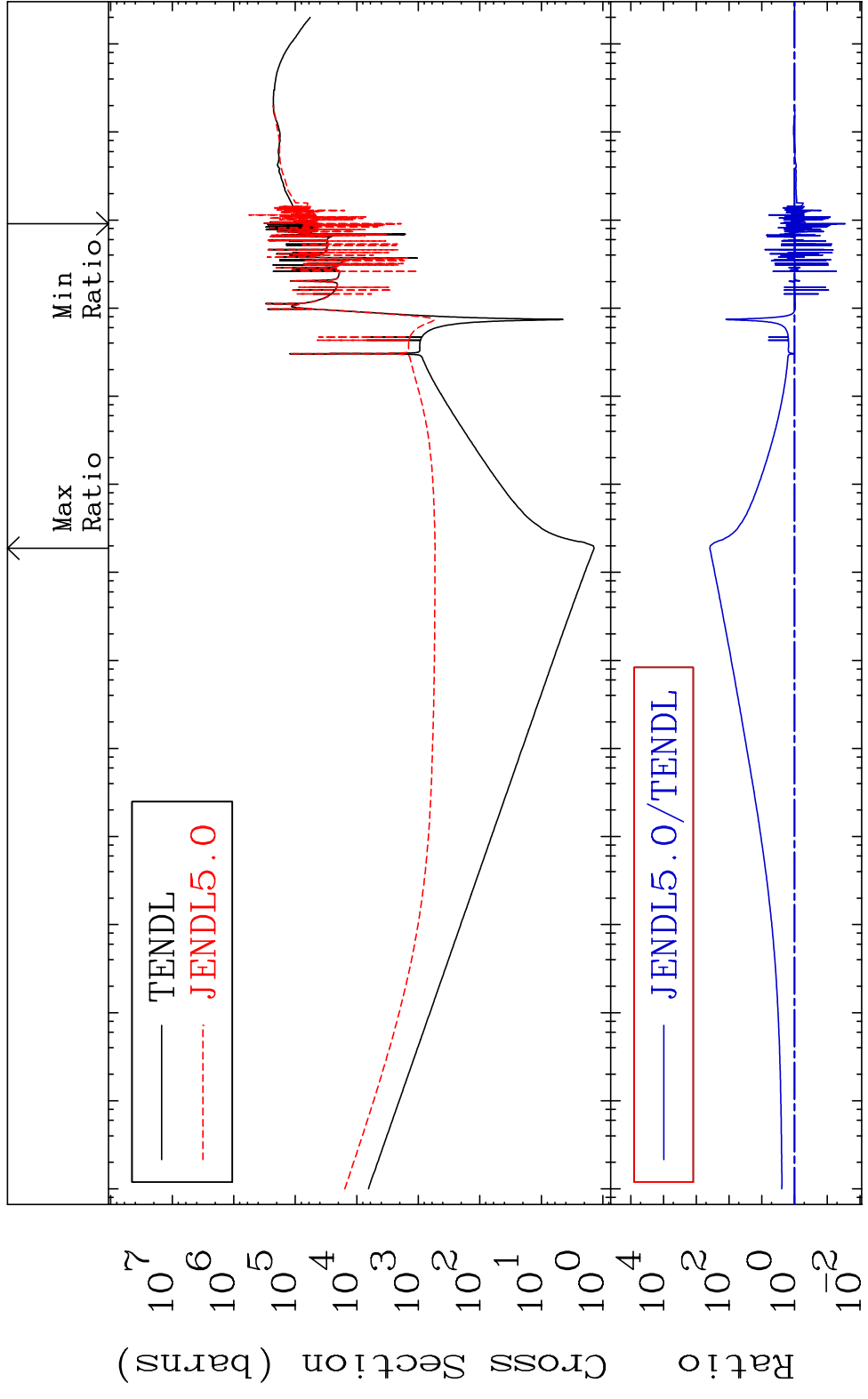
25

Incident Energy (eV) 16-S -32

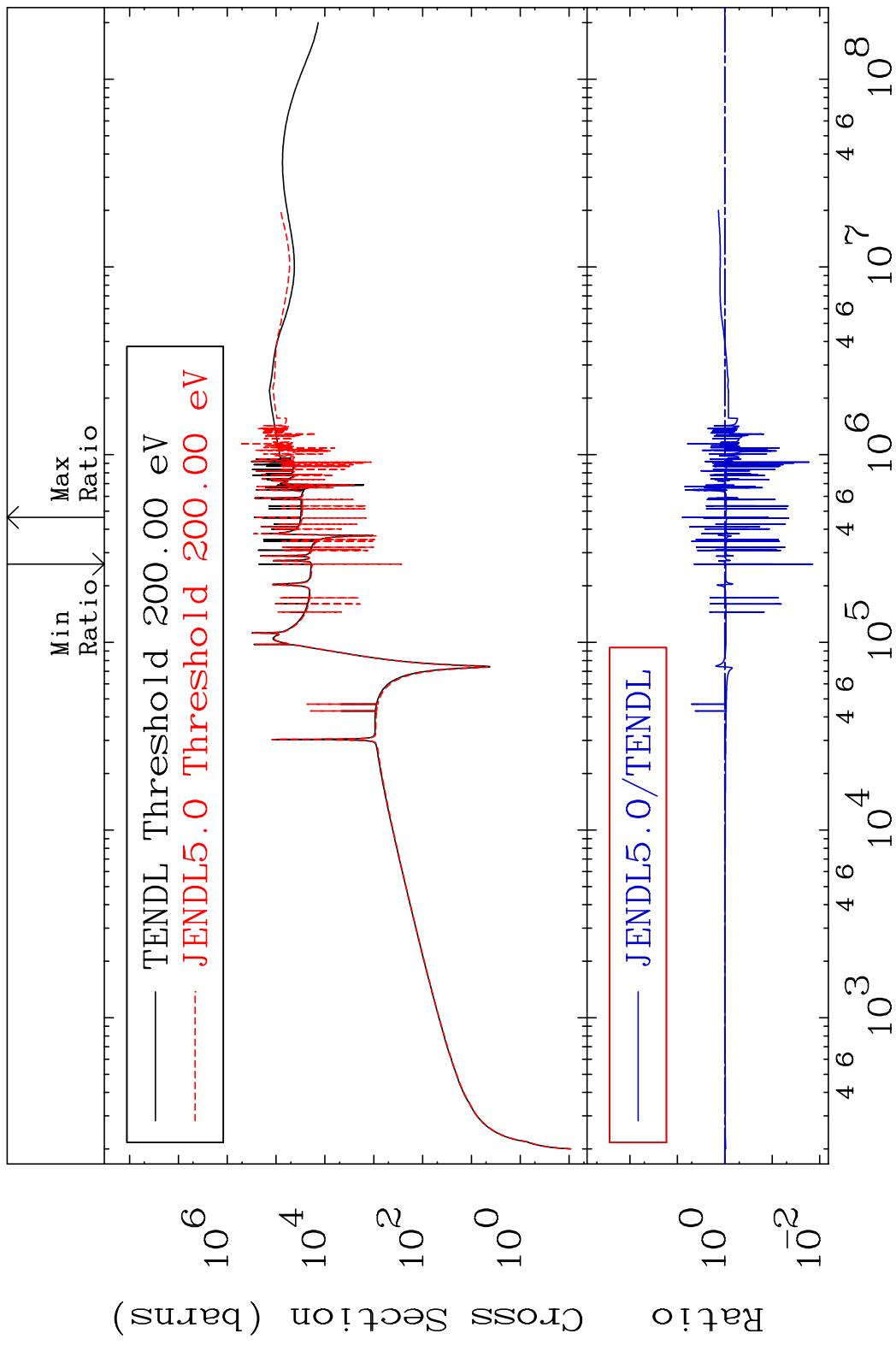
MAT 1625 Total kinematic kerma (high limit) 16-S -32
 Cross Section -87.91 To 9999. %



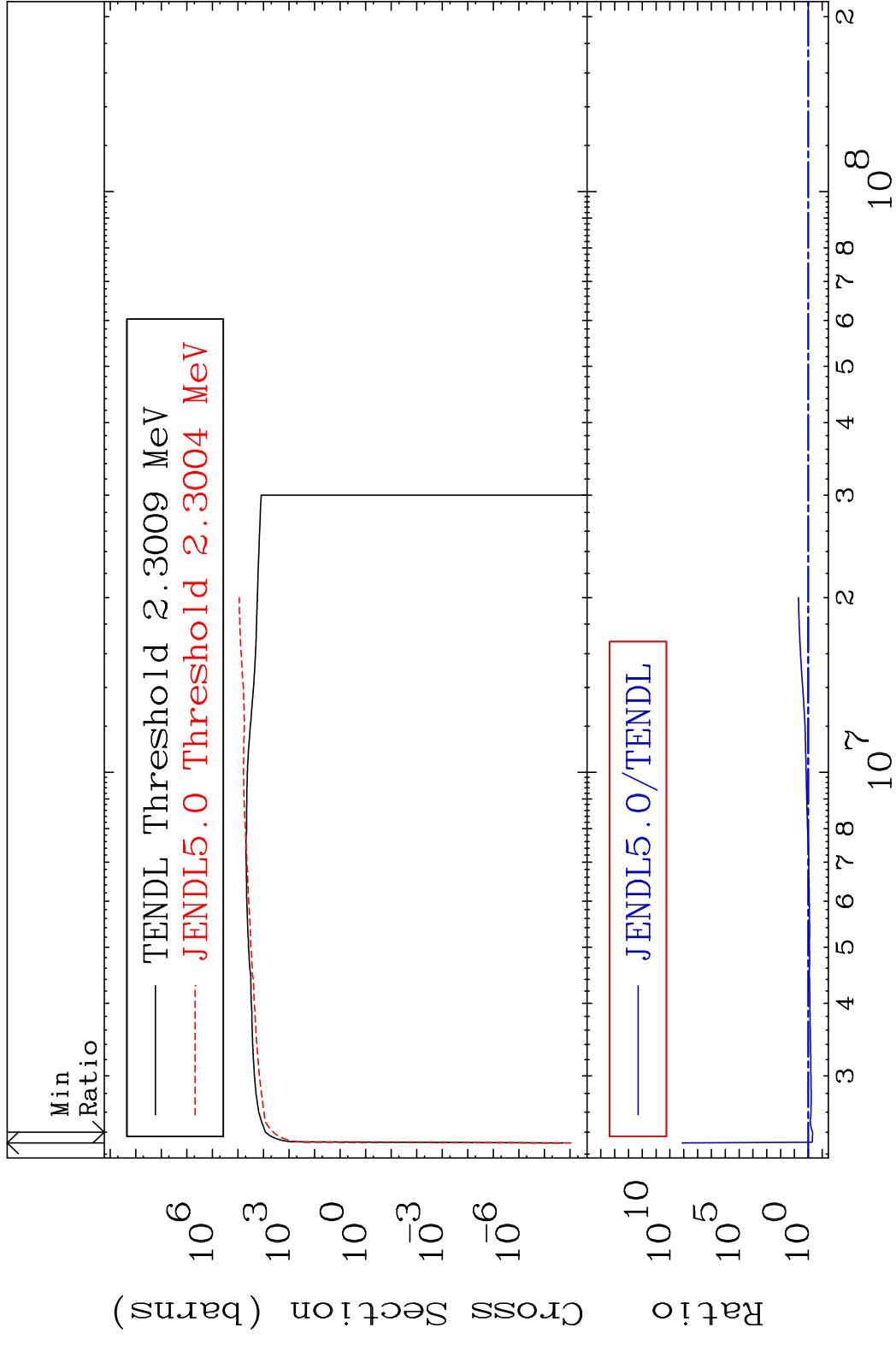
MAT 1625 Dpa total (eV-barns) 16-S -32
 Cross Section -97.19 To 9999. %



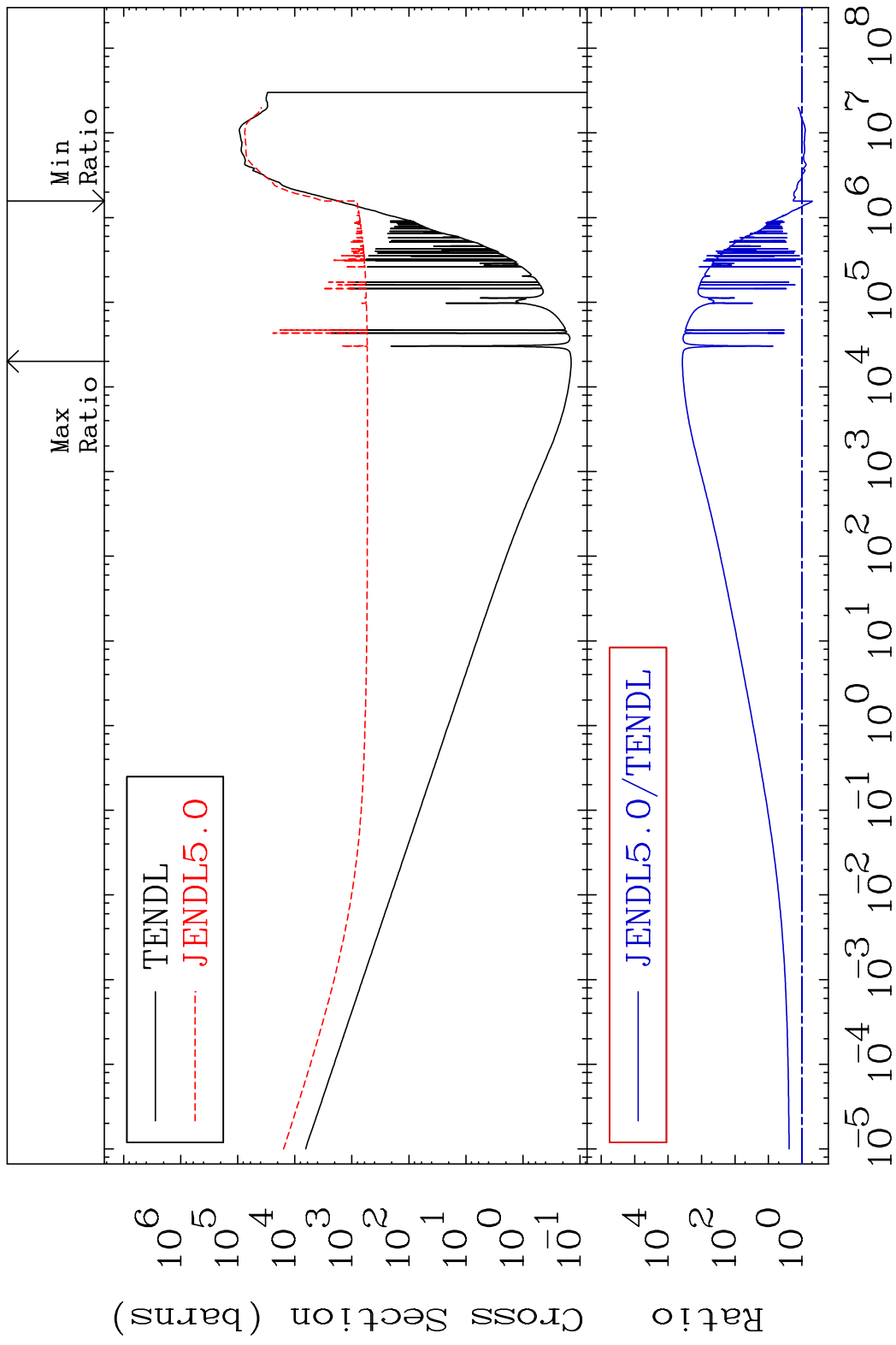
MAT 1625 Dpa elastic (mt2) 16-S -32
 Cross Section -98.58 To 688.3 %



MAT 1625 Dpa inelastic (mt51-91) 16-S -32
 Cross Section -51.17 To 9999. %

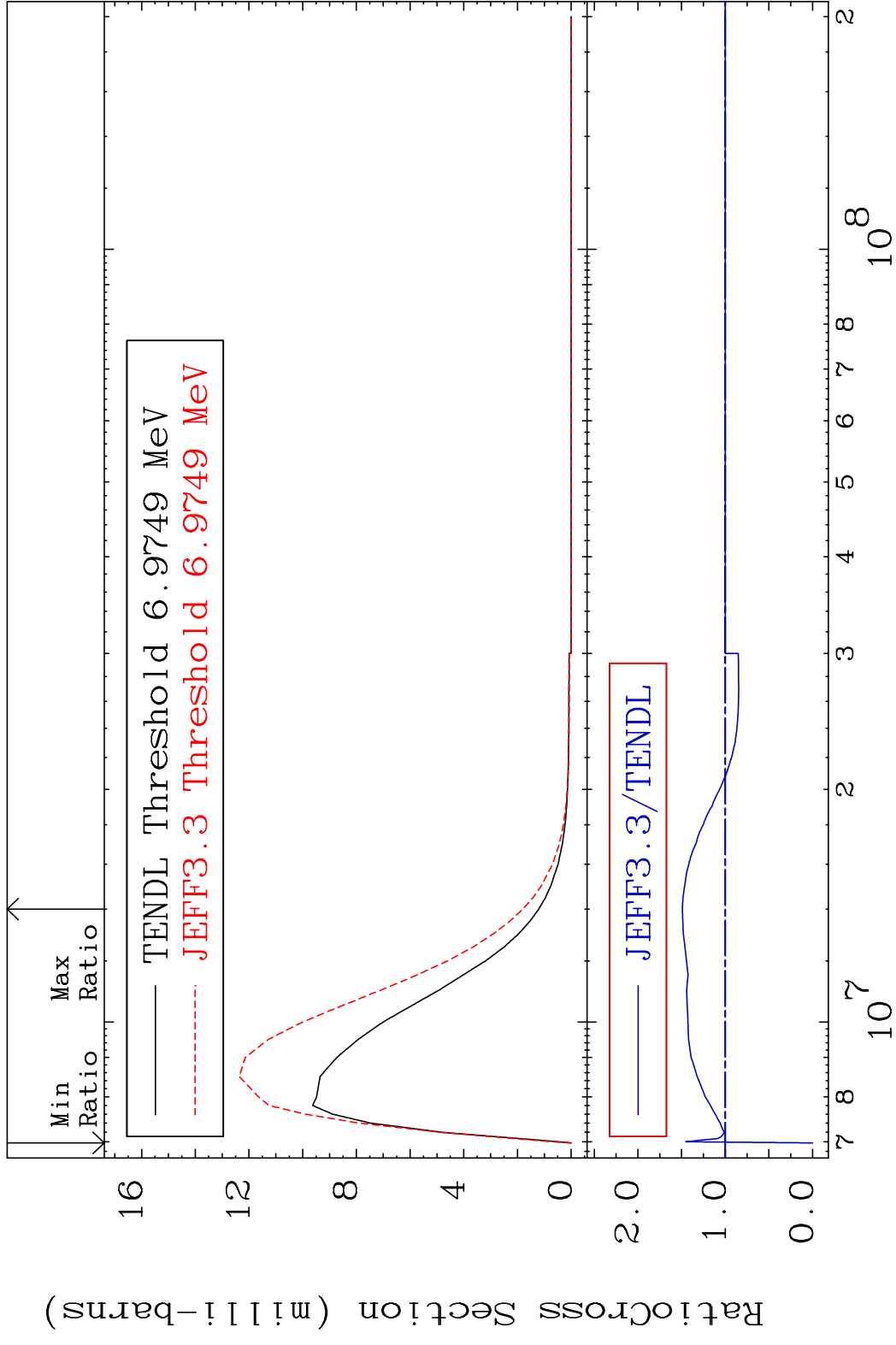


MAT 1625 Dpa disappearance (mt102 -120) 16-S -32
 Cross Section -51.86 To 9999. %

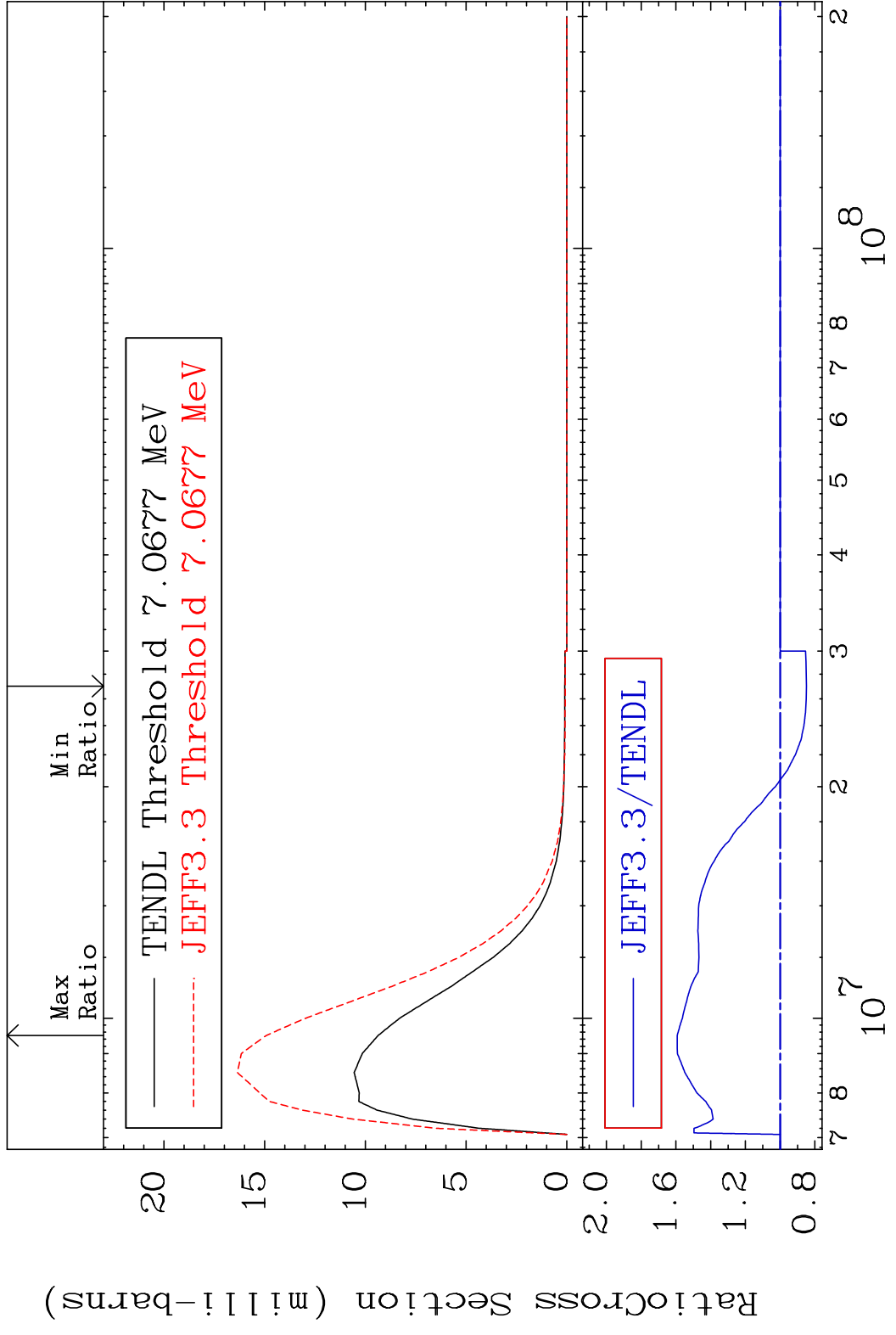


30 Incident Energy (eV) 16-S -32

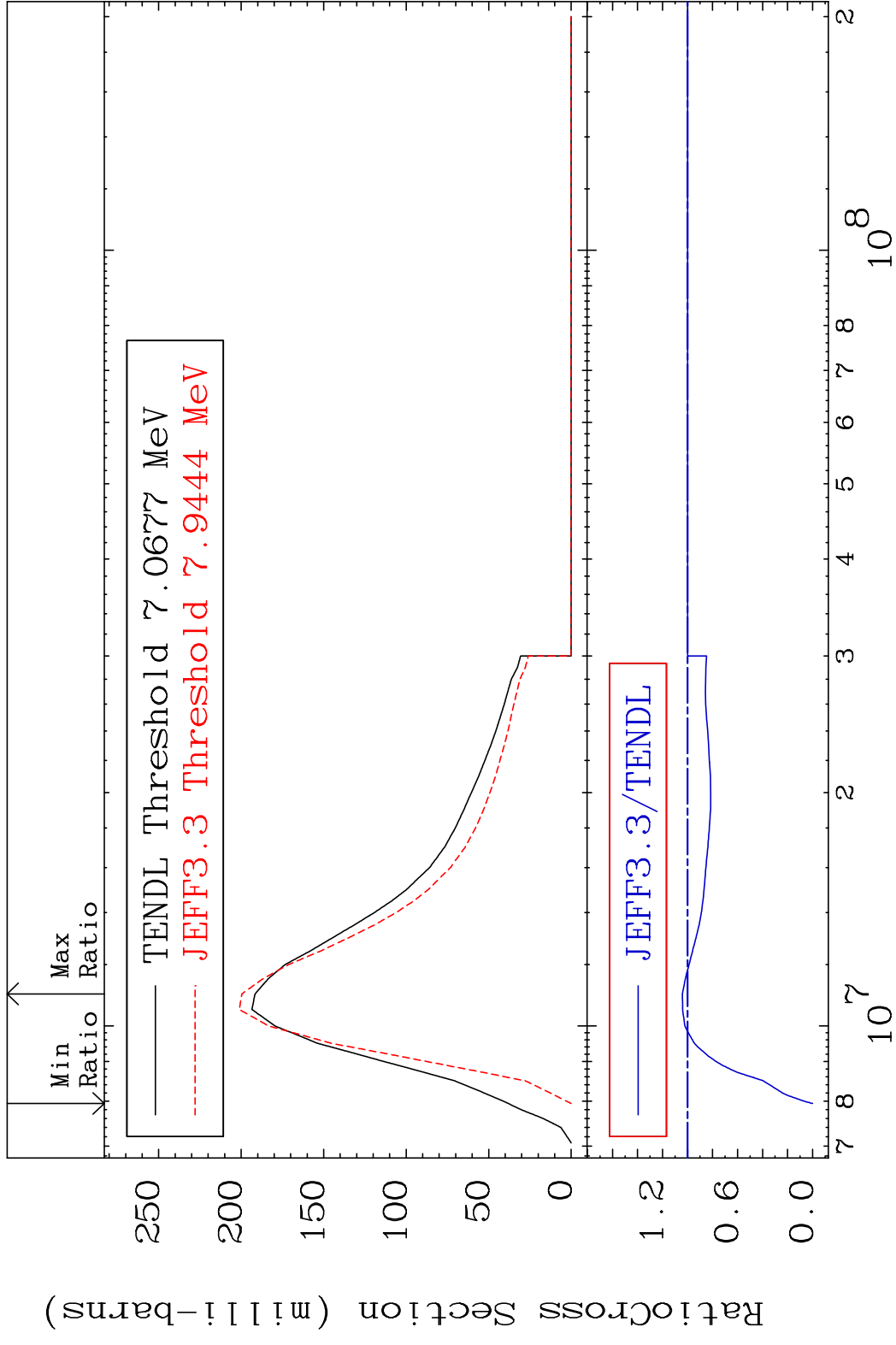
MAT 1625 MT= 65 (n,n') Level 16-S -32
 Cross Section -100.0 To 49.11 %



MAT 1625 MT= 66 (n,n') Level 16-S -32
 Cross Section -15.11 To 59.29 %



MAT 1625 (n,n') Continuum 16-S -32
 Cross Section -100.0 To 4.163 %

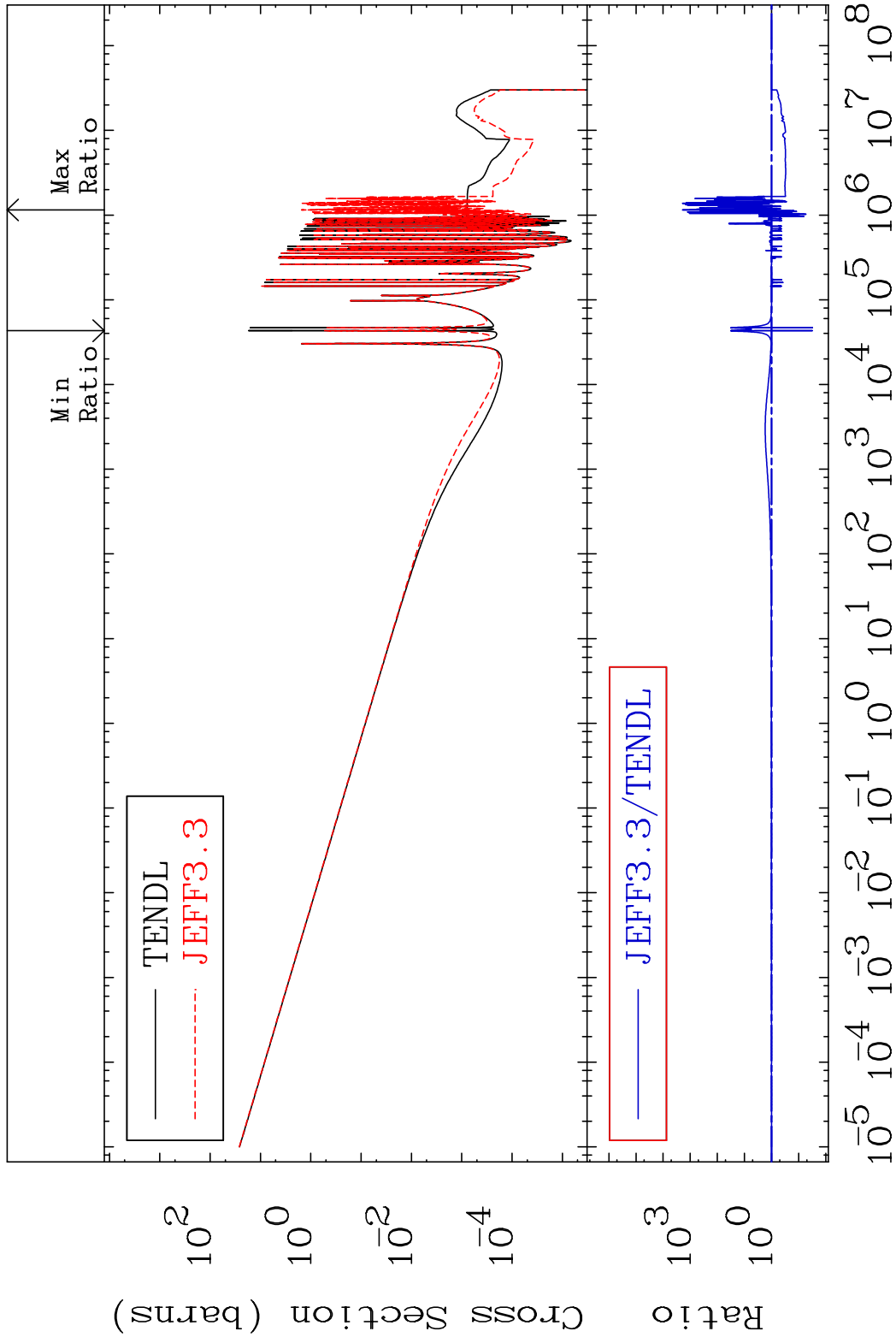


MAT 1625

(n, γ)

16-S -32

Cross Section -96.92 To 9999. %

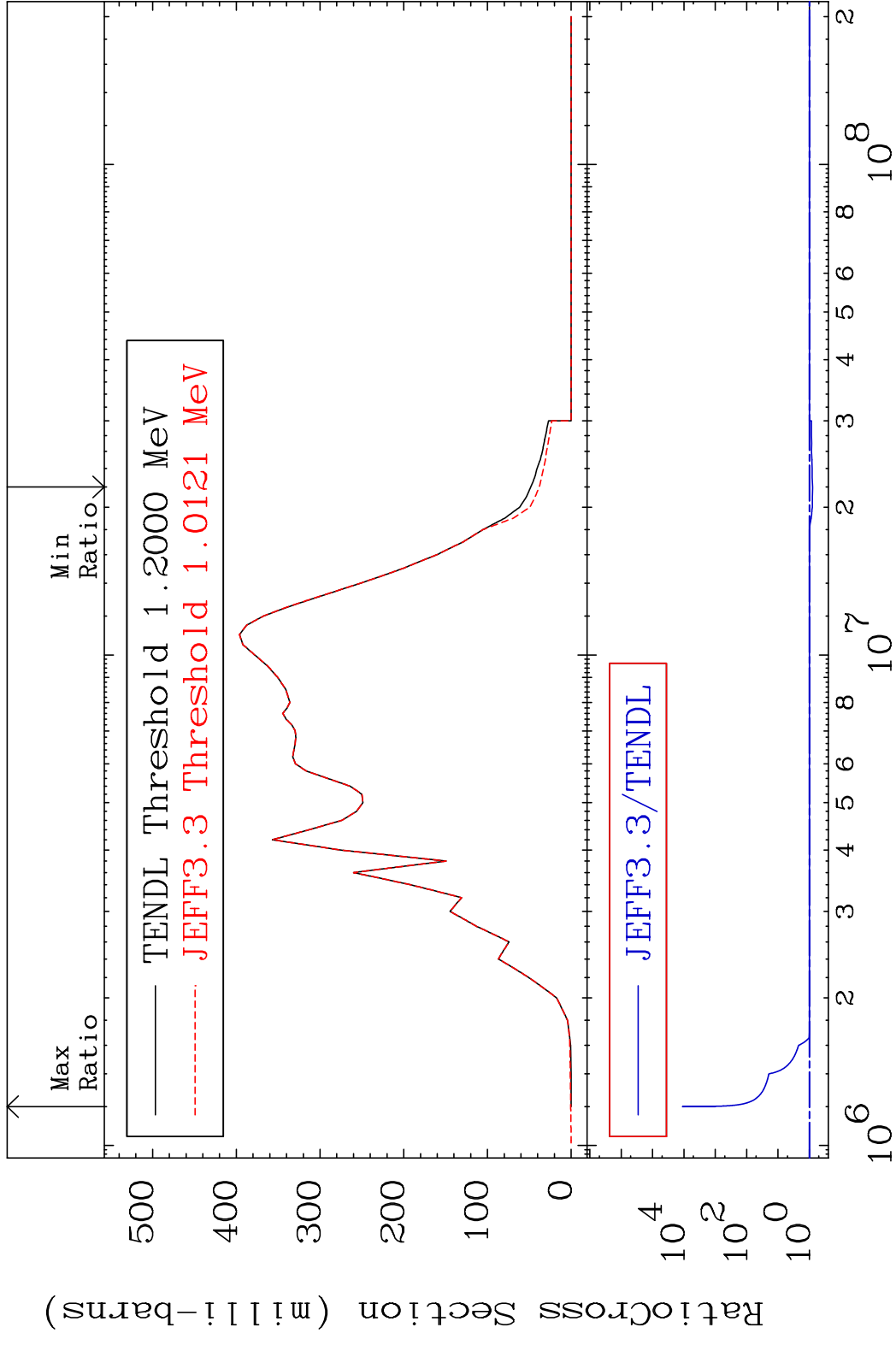


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Incident Energy (eV)

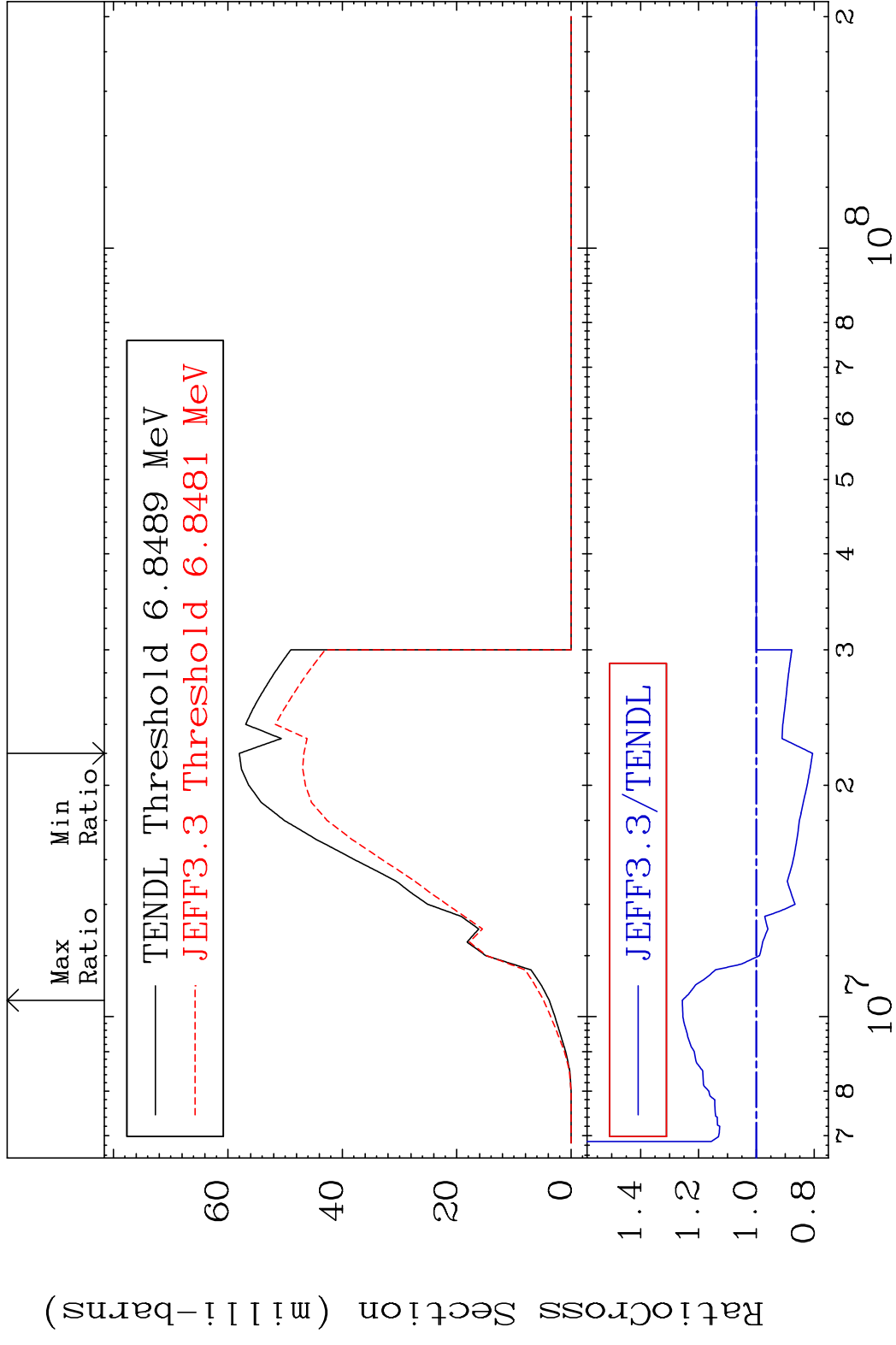
16-S -32

MAT 1625 (n,p) 16-S -32
 Cross Section -20.99 To 9999. %



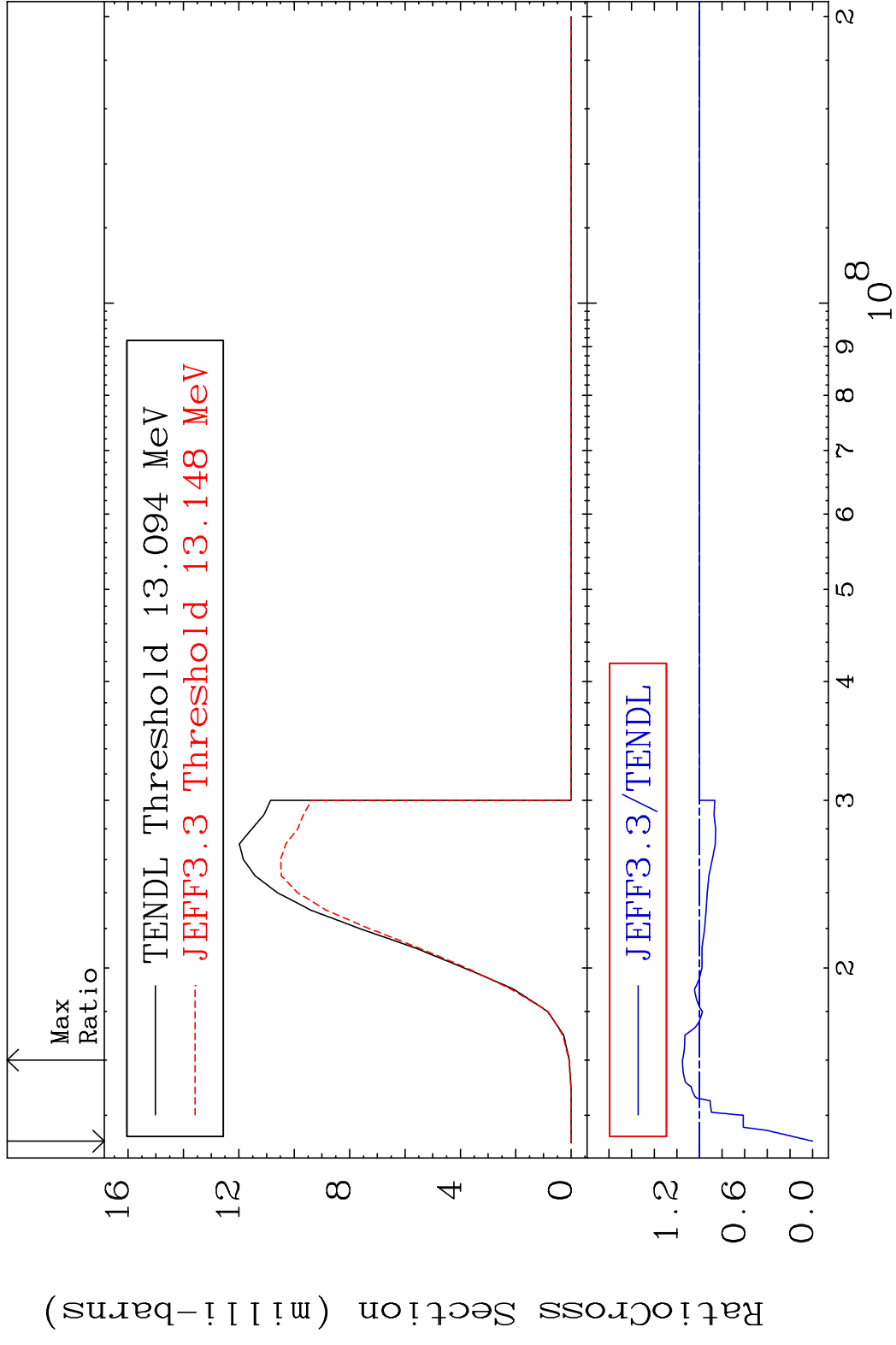
35 16-S -32

MAT 1625 (n,d) 16-S -32
 Cross Section -19.43 To 25.59 %

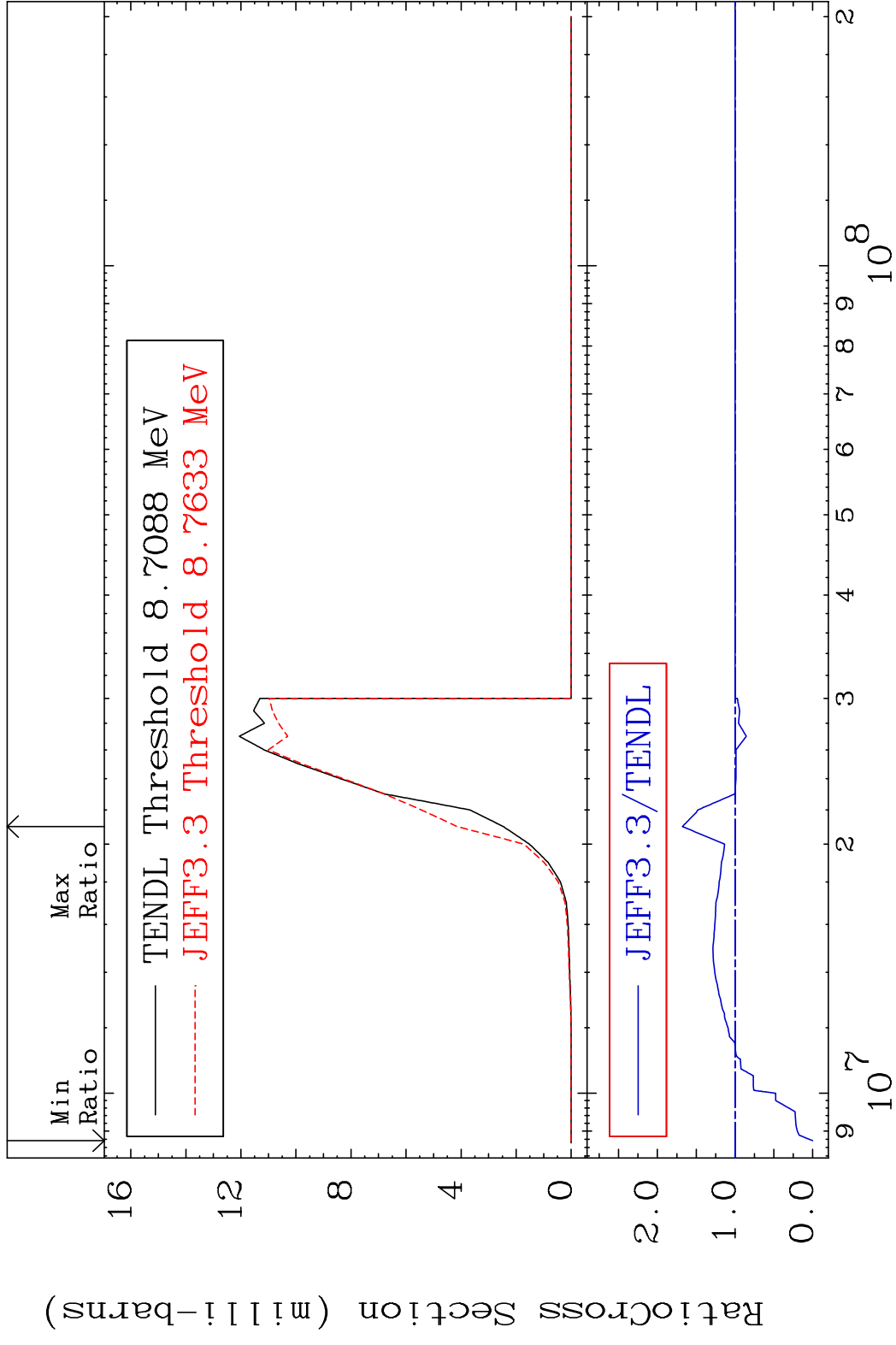


36 Incident Energy (eV) 16-S -32

MAT 1625 (n, t) 16-S -32
 Cross Section -100.0 To 15.15 %



MAT 1625 (n, He-3) 16-S -32
 Cross Section -100.0 To 67.84 %

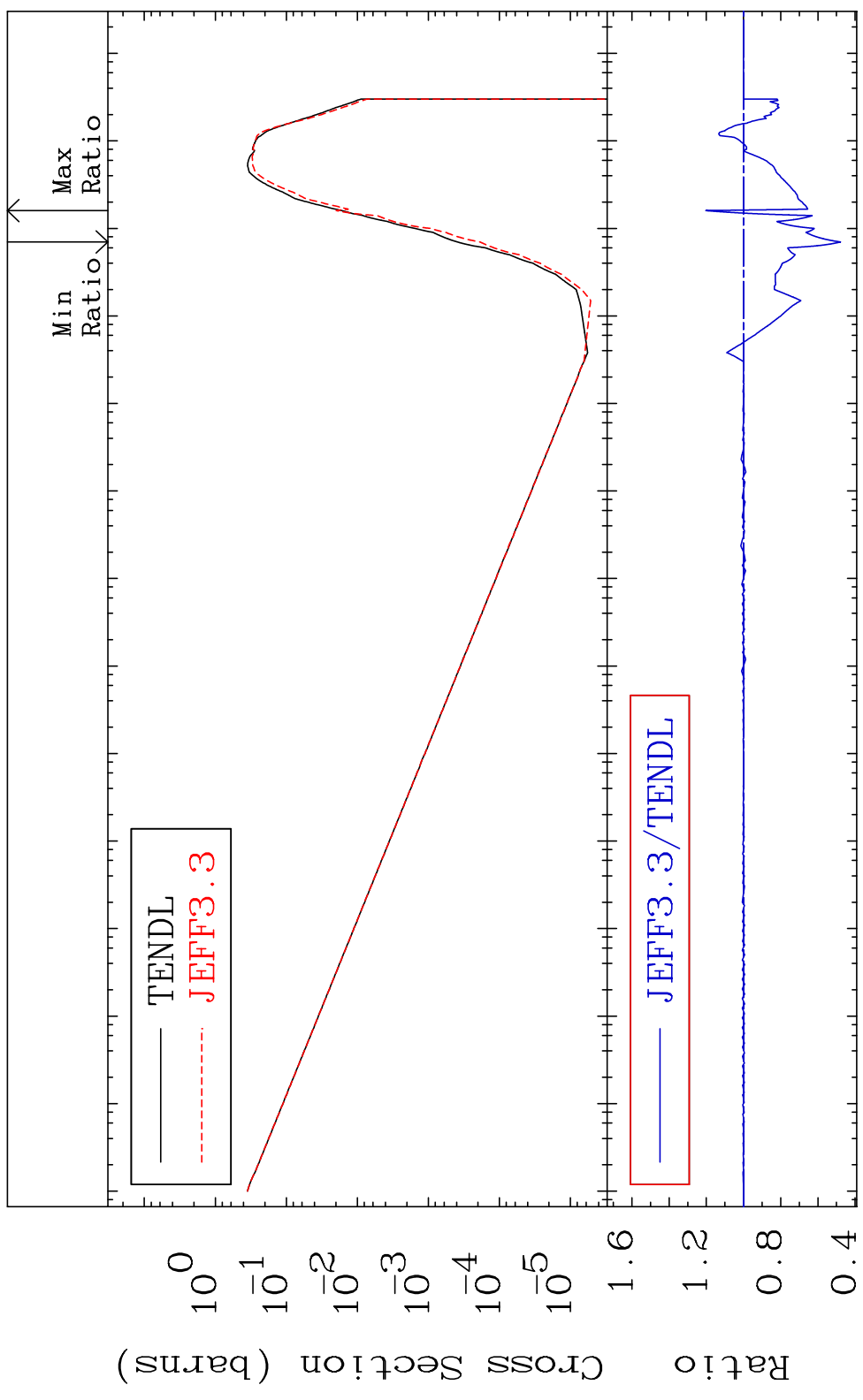


MAT 1625

(n, α)

16-S -32

Cross Section -52.08 To 20.32 %



39

Incident Energy (eV)

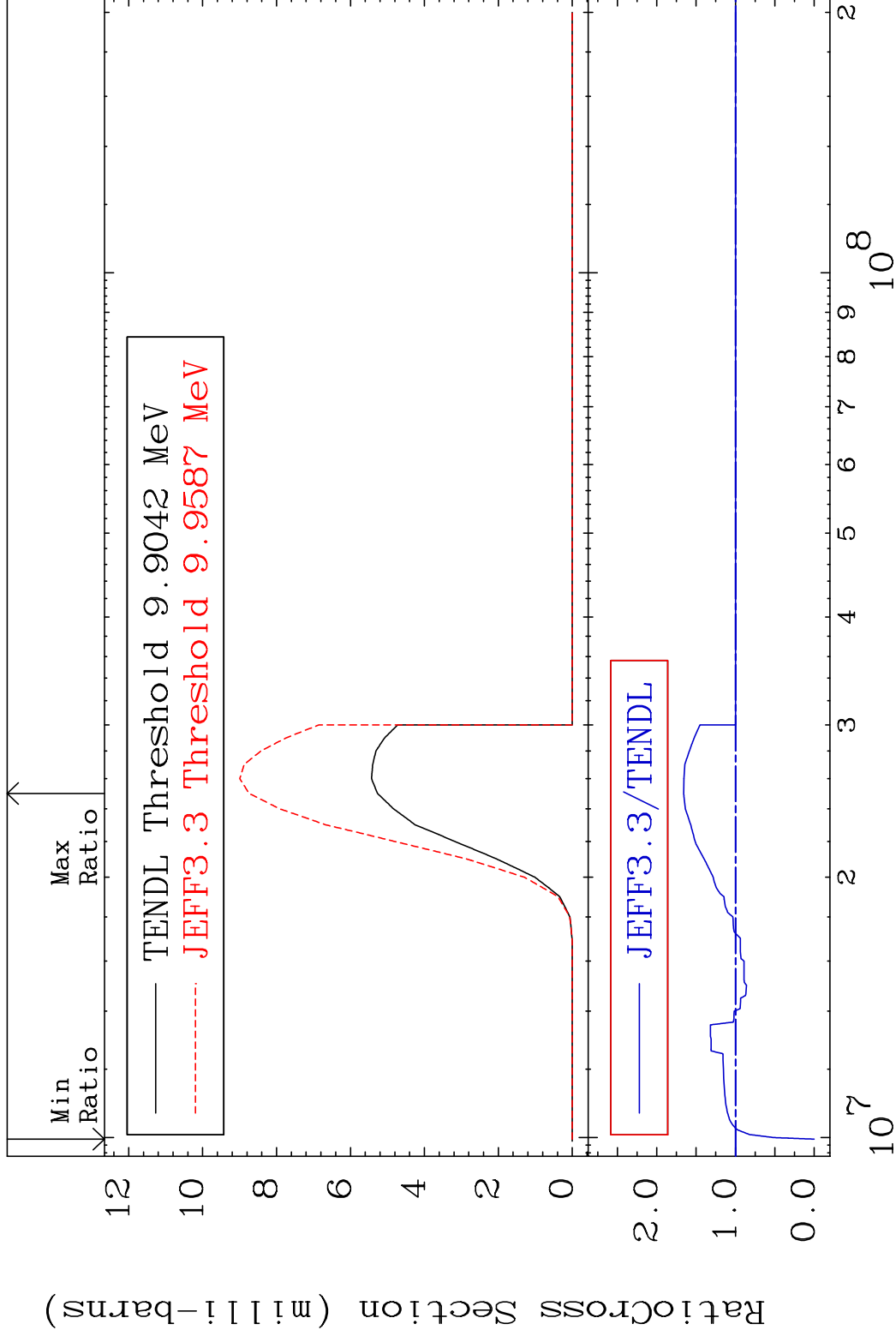
16-S -32

MAT 1625

(n,2α)

16-S -32

Cross Section -100.0 To 65.85 %

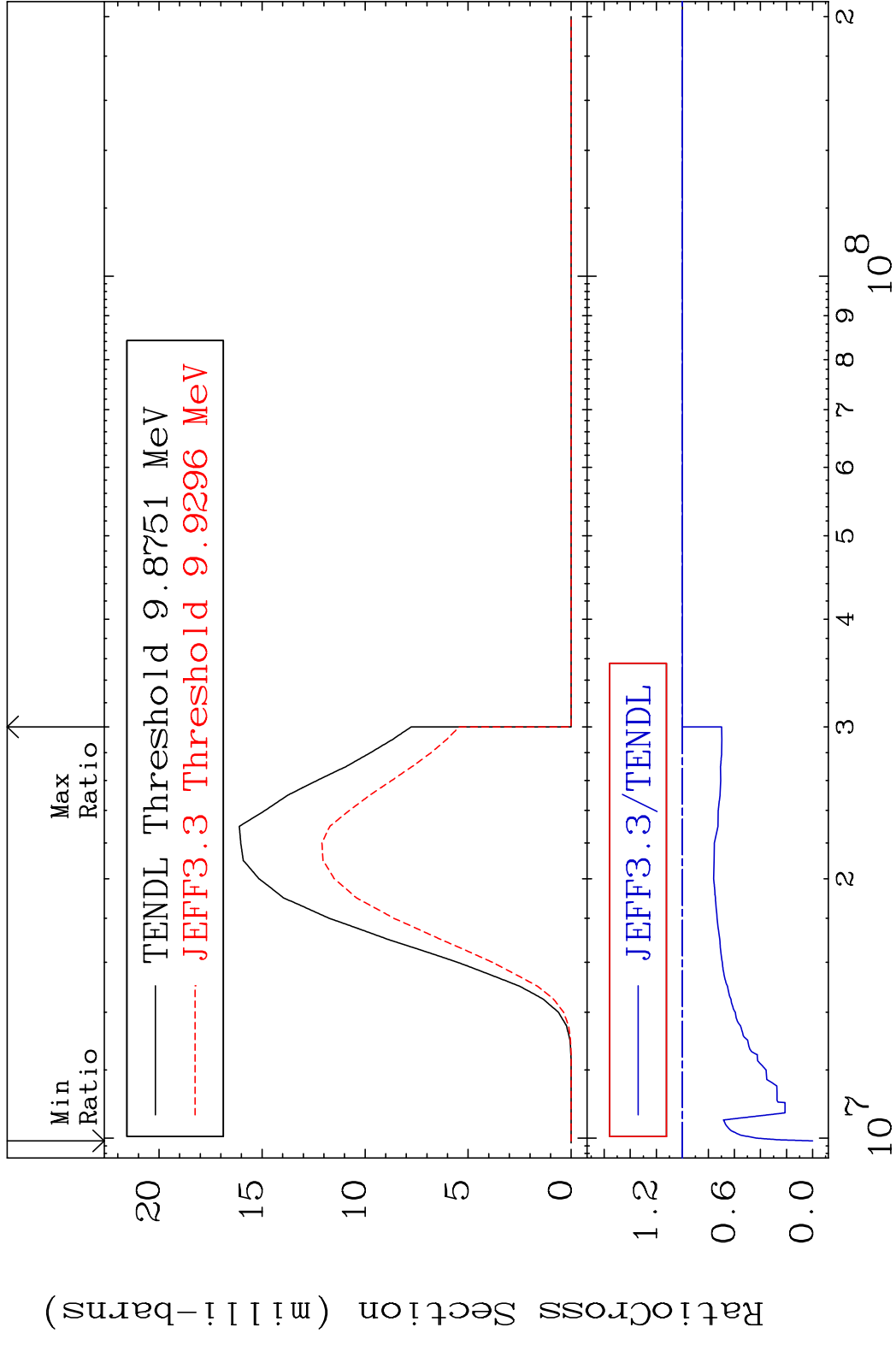


40

Incident Energy (eV)

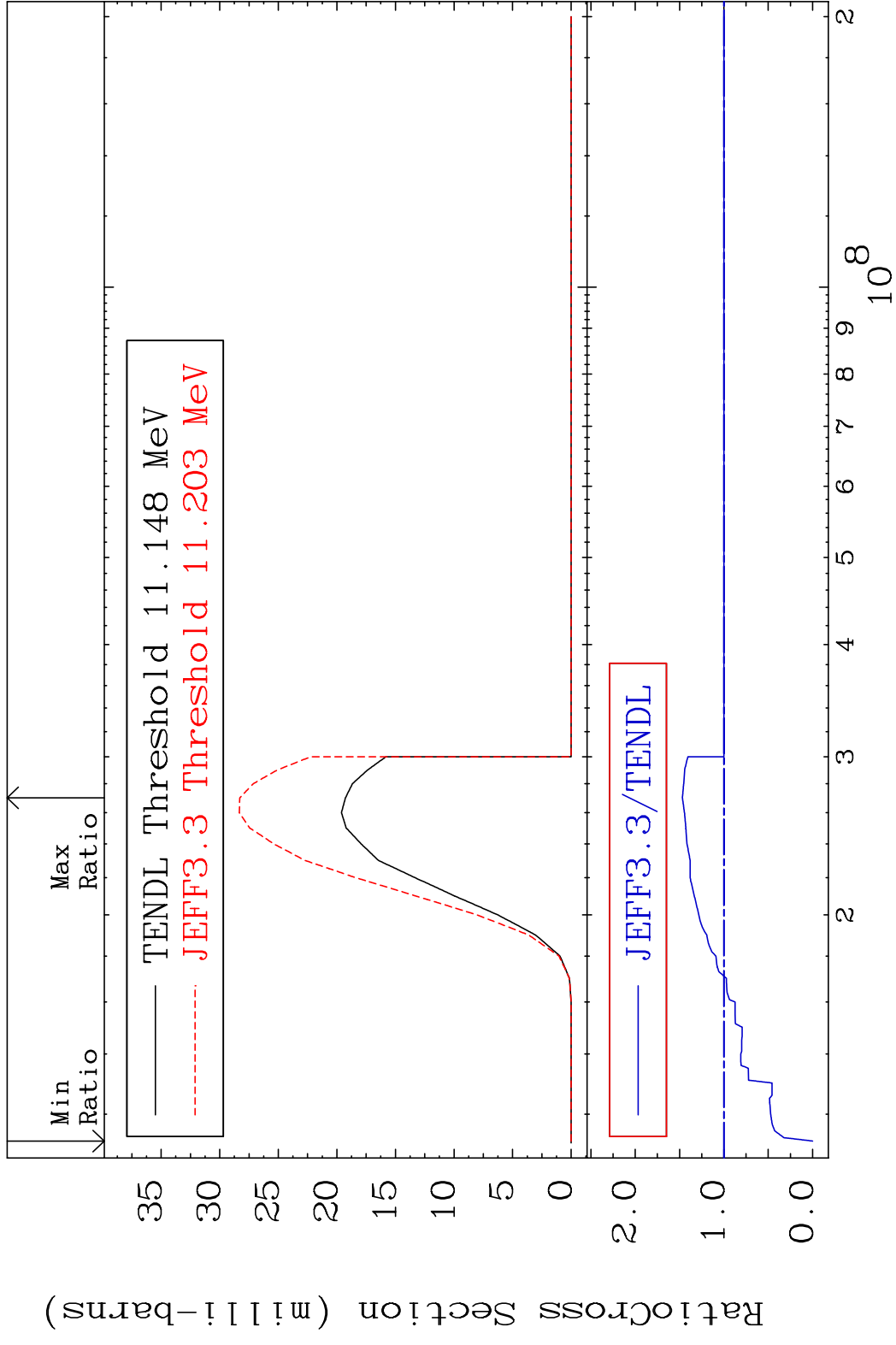
16-S -32

MAT 1625 (n,2p) 16-S -32
 Cross Section -100.0 To 0.000 %

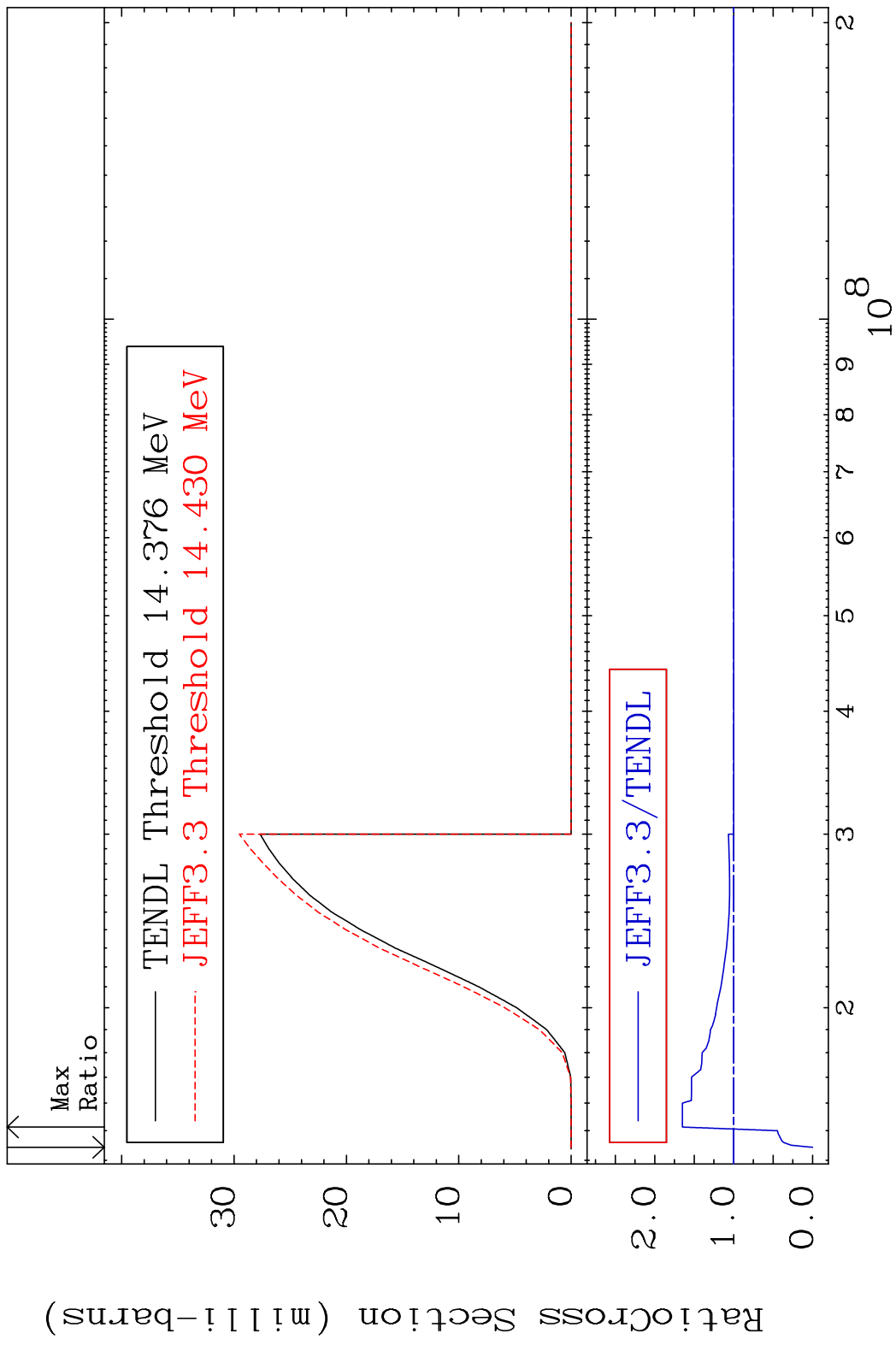


41 Incident Energy (eV) 16-S -32

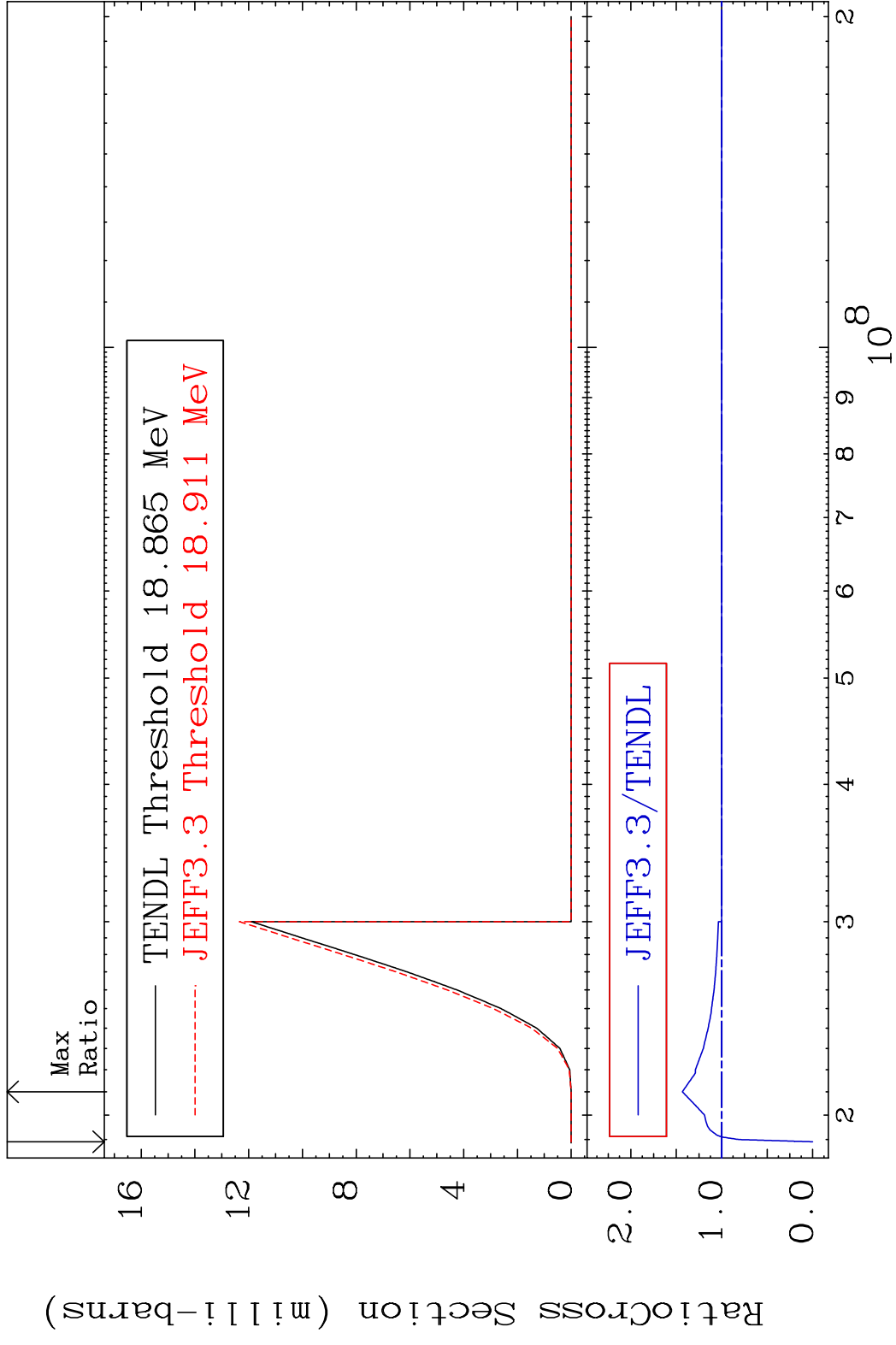
MAT 1625 (n,p) α 16-S -32
 Cross Section -100.0 To 46.84 %



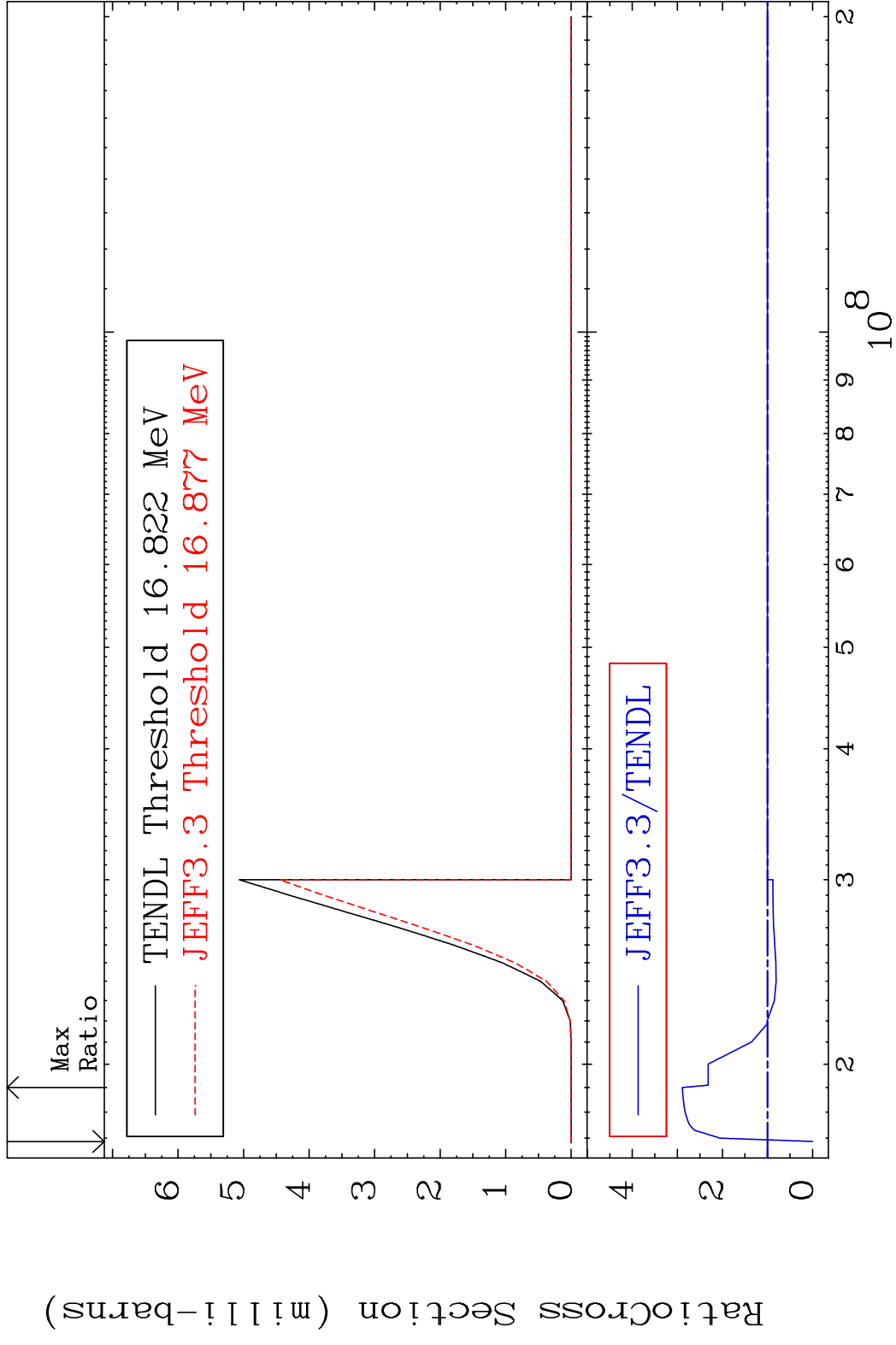
MAT 1625 (n,p) d 16-S -32
 Cross Section -100.0 To 64.97 %



MAT 1625 (n,p) t 16-S -32
 Cross Section -100.0 To 43.35 %



MAT 1625 (n,d) α 16-S -32
 Cross Section -100.0 To 189.0 %

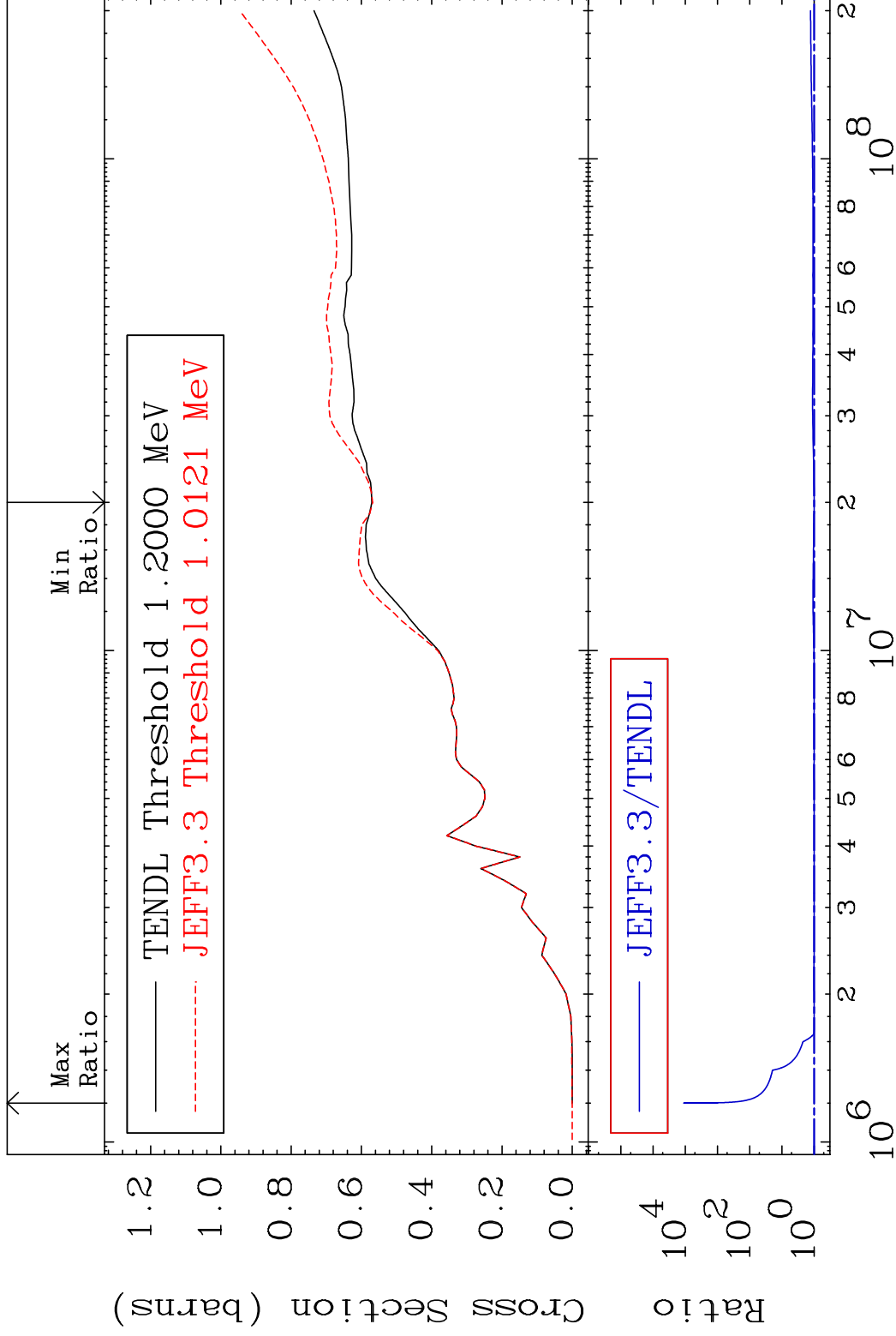


MAT 1625

Hydrogen Production

16-S -32

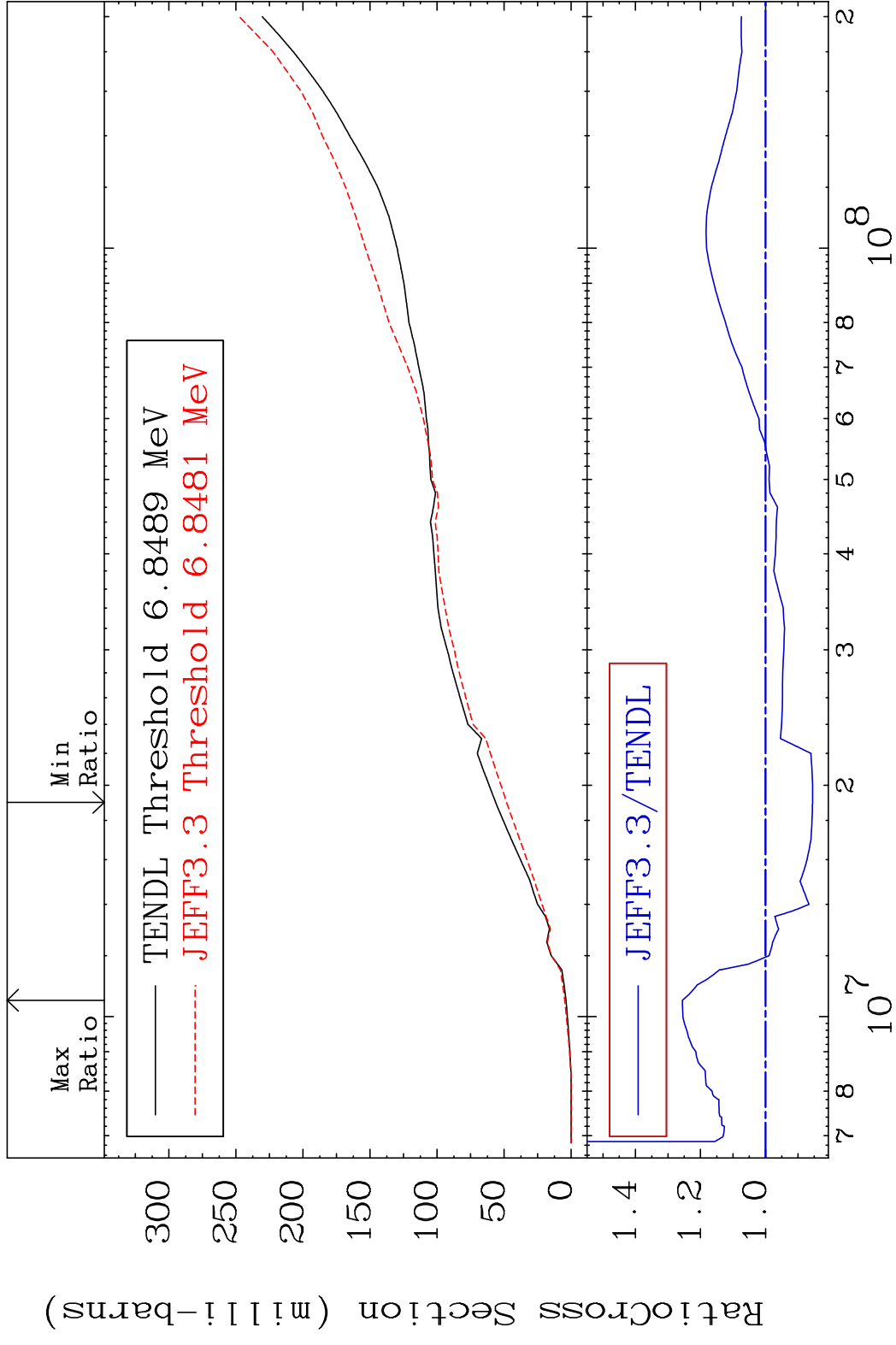
Cross Section -0.421 To 9999. %



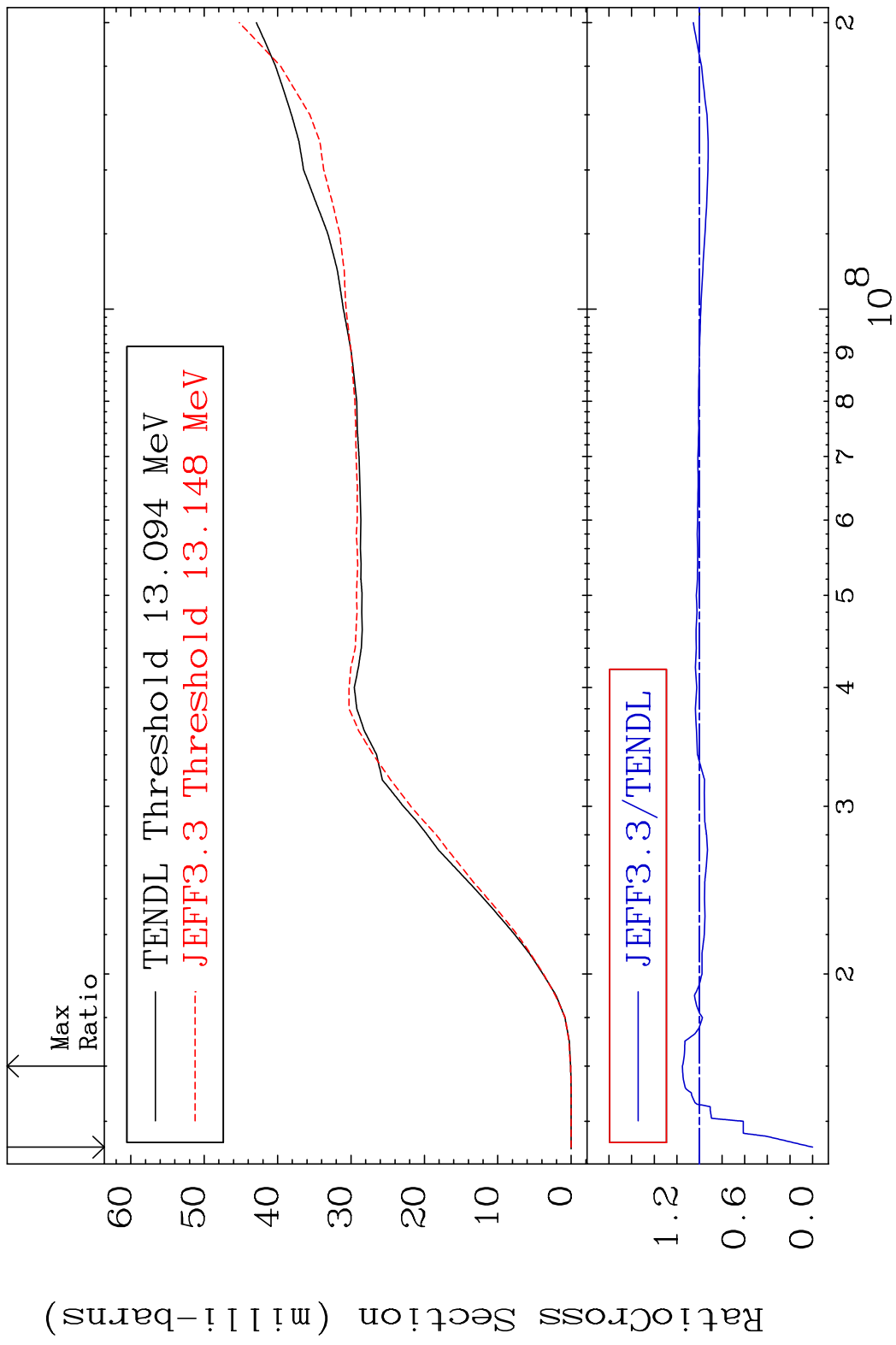
46

Incident Energy (eV)

16-S -32



MAT 1625 Tritium Production 16-S -32
 Cross Section -100.0 To 15.15 %

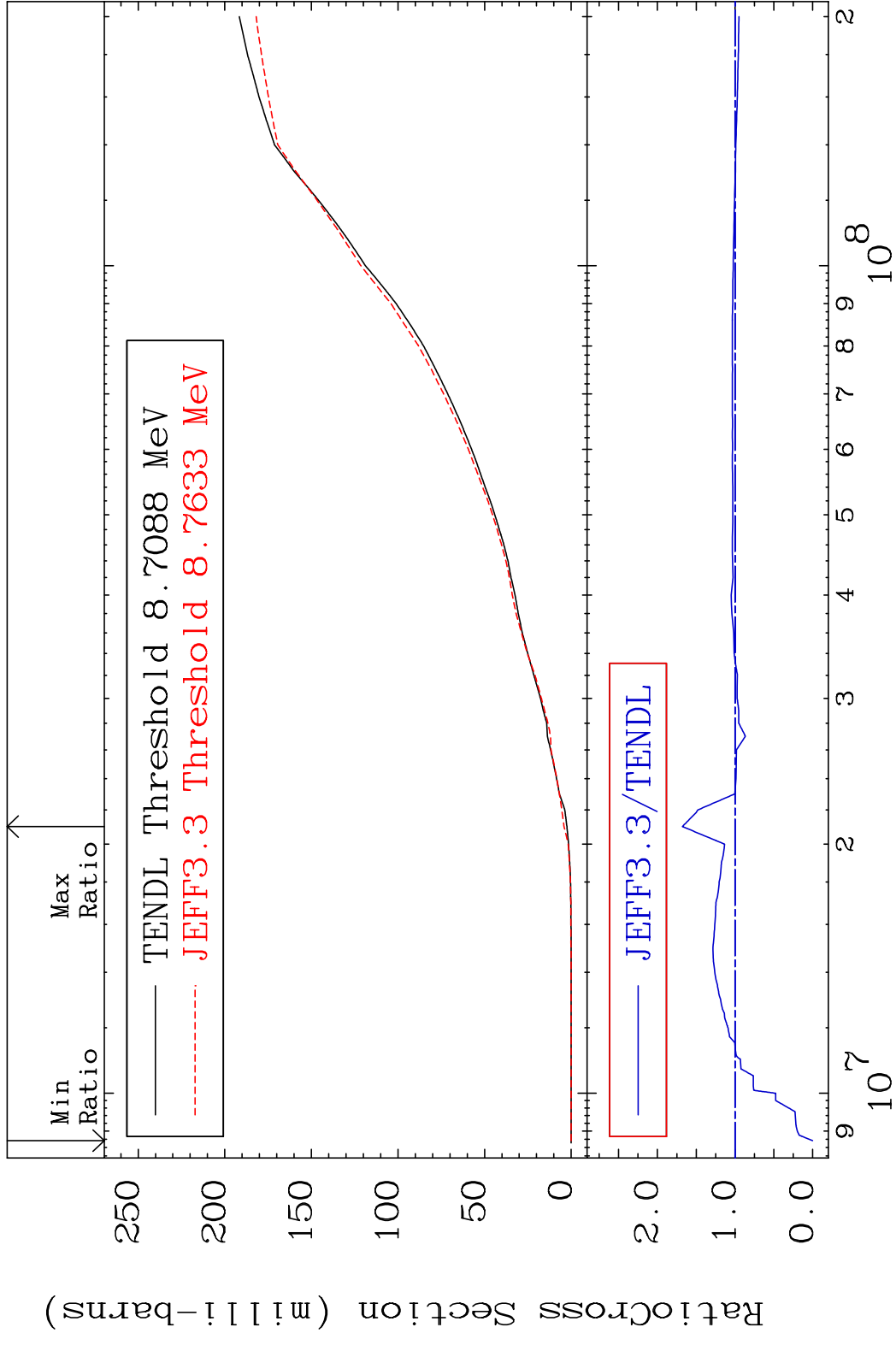


MAT 1625

He-3 Production

16-S -32

Cross Section -100.0 To 67.84 %



49

Incident Energy (eV)

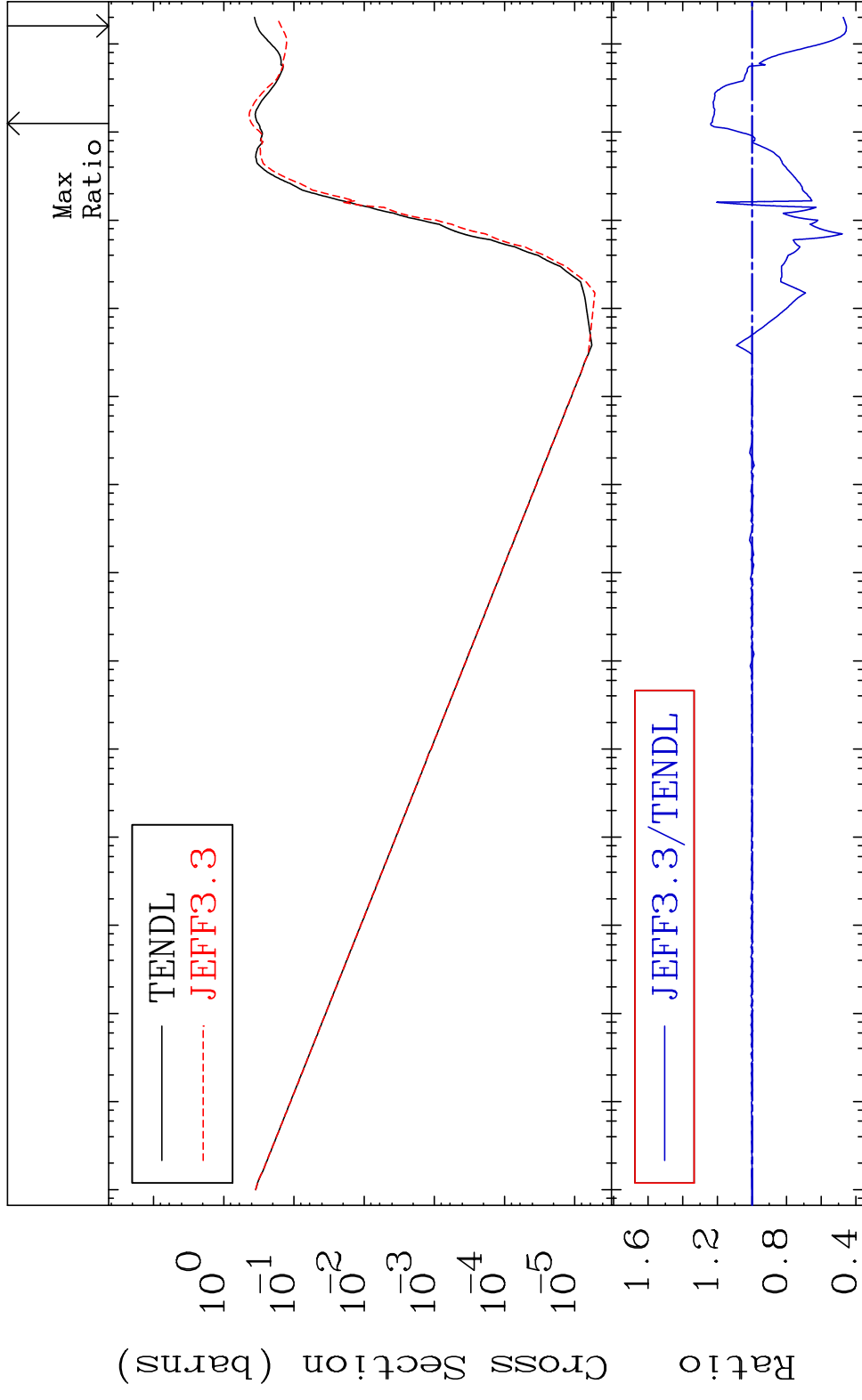
16-S -32

MAT 1625

He-4 Production

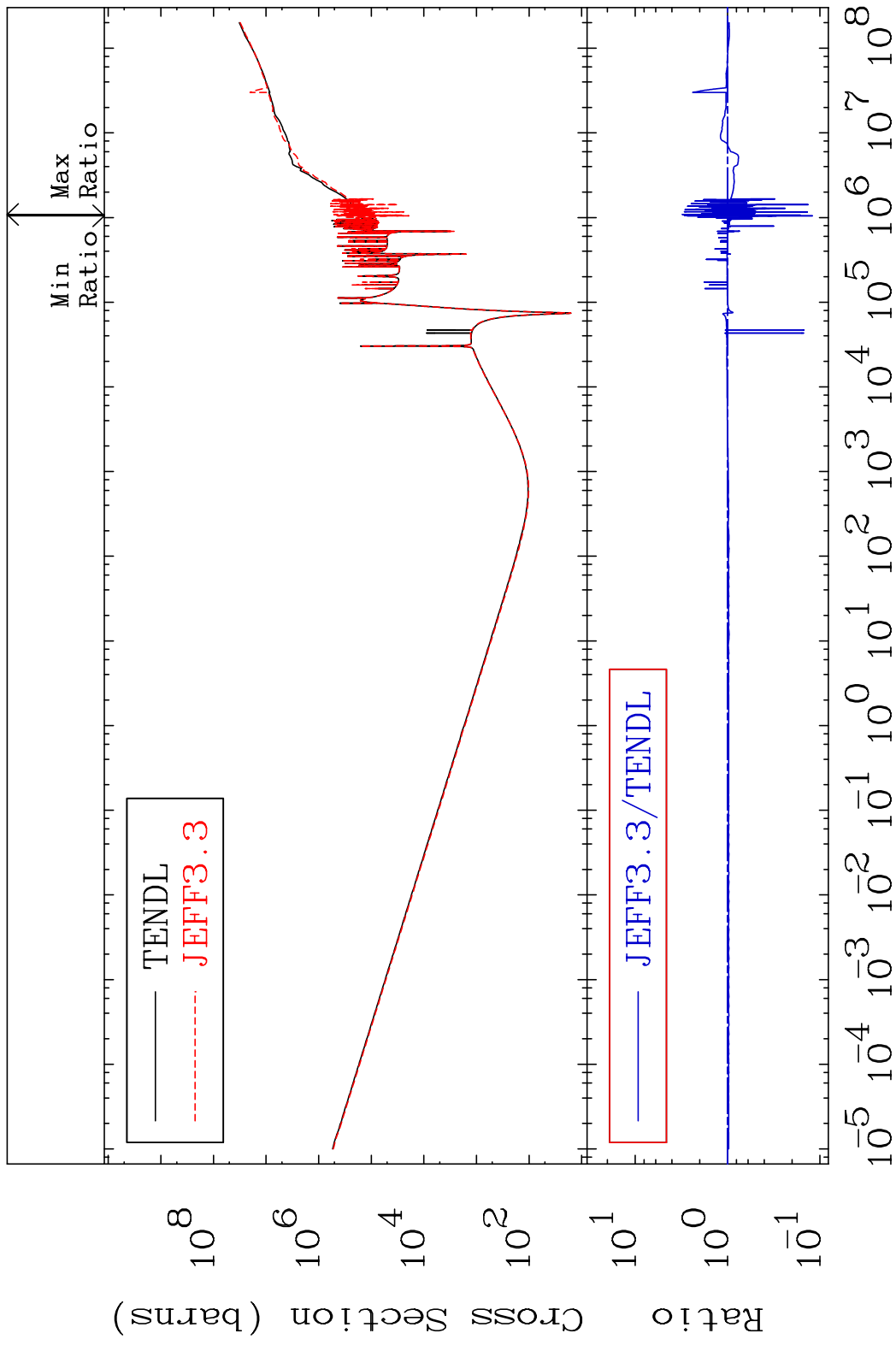
16-S -32

Cross Section -54.50 To 23.84 %



50 Incident Energy (eV) 16-S -32

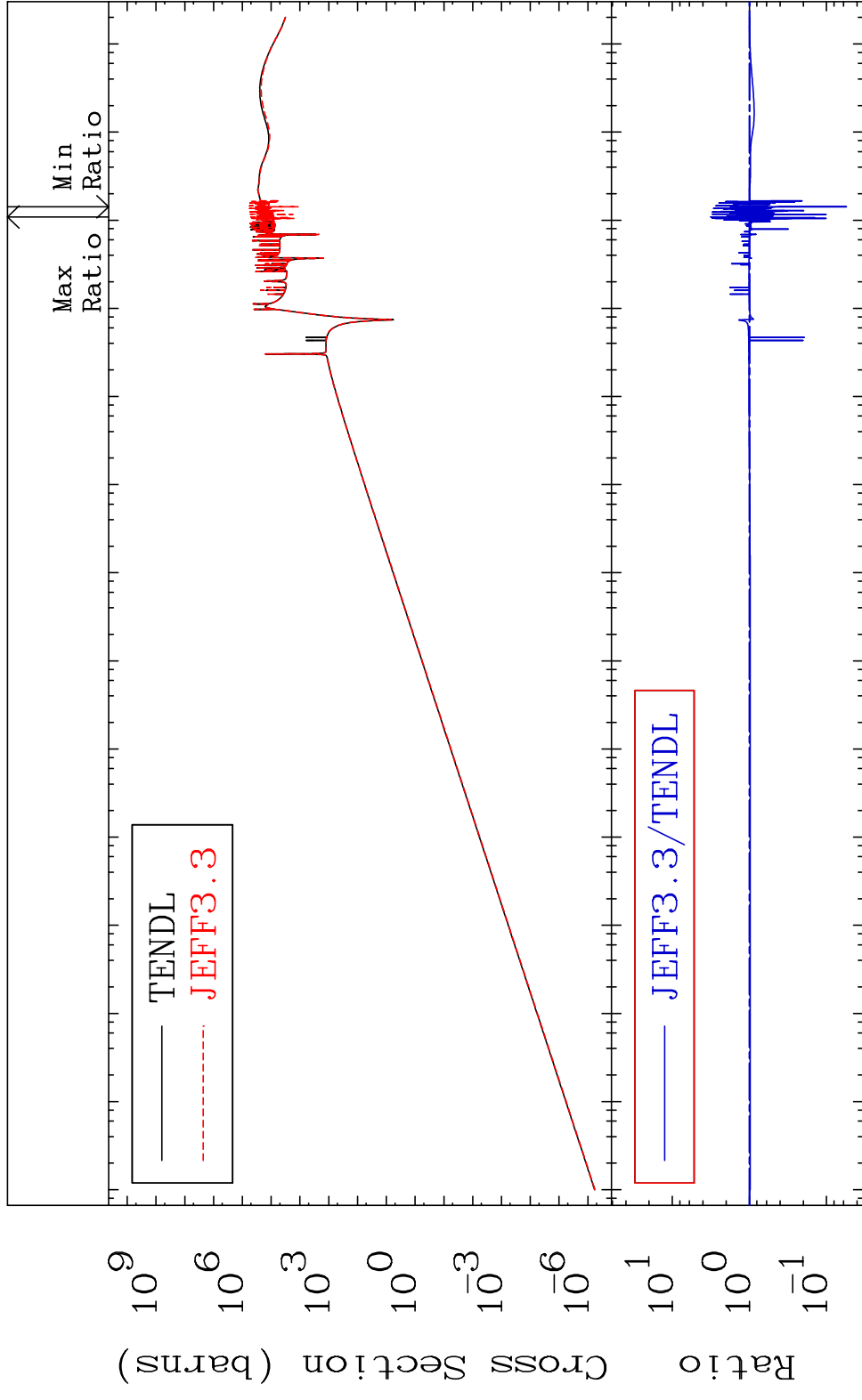
MAT 1625 Kerma total (eV-barns) 16-S -32
 Cross Section -88.01 To 208.1 %



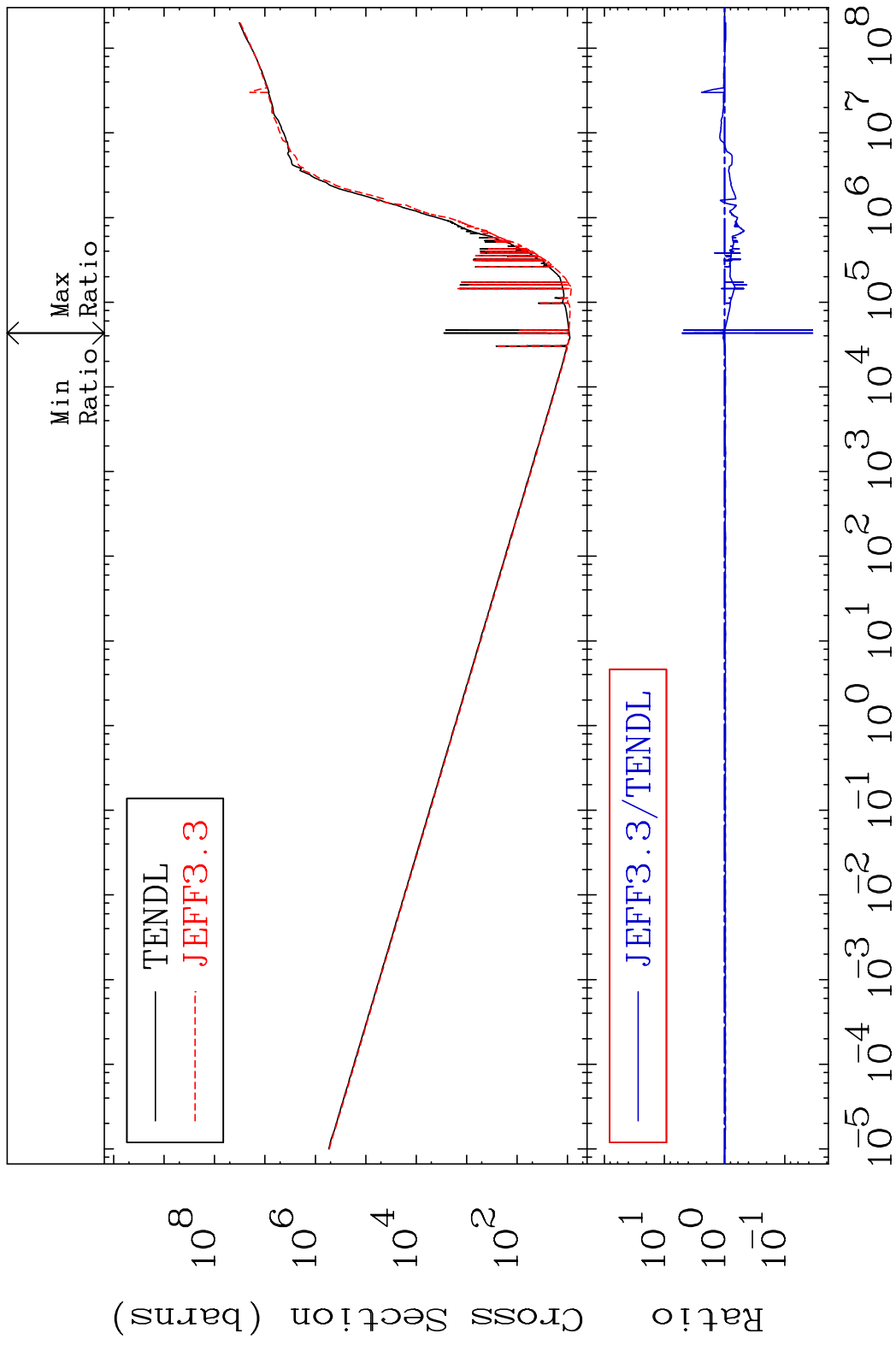
MAT 1625

Kerma elastic
Cross Section

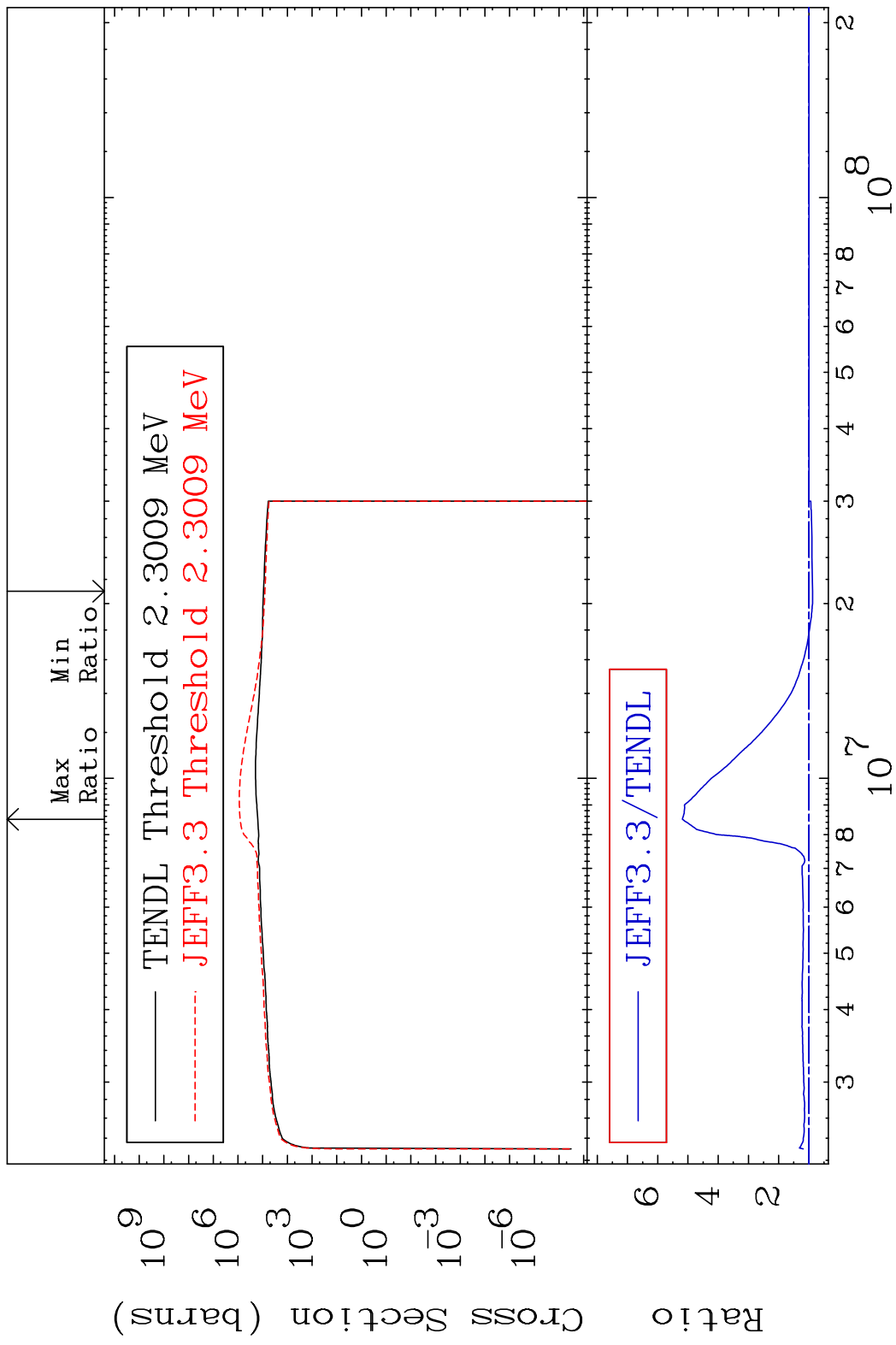
16-S -32
-94.47 To 217.4 %



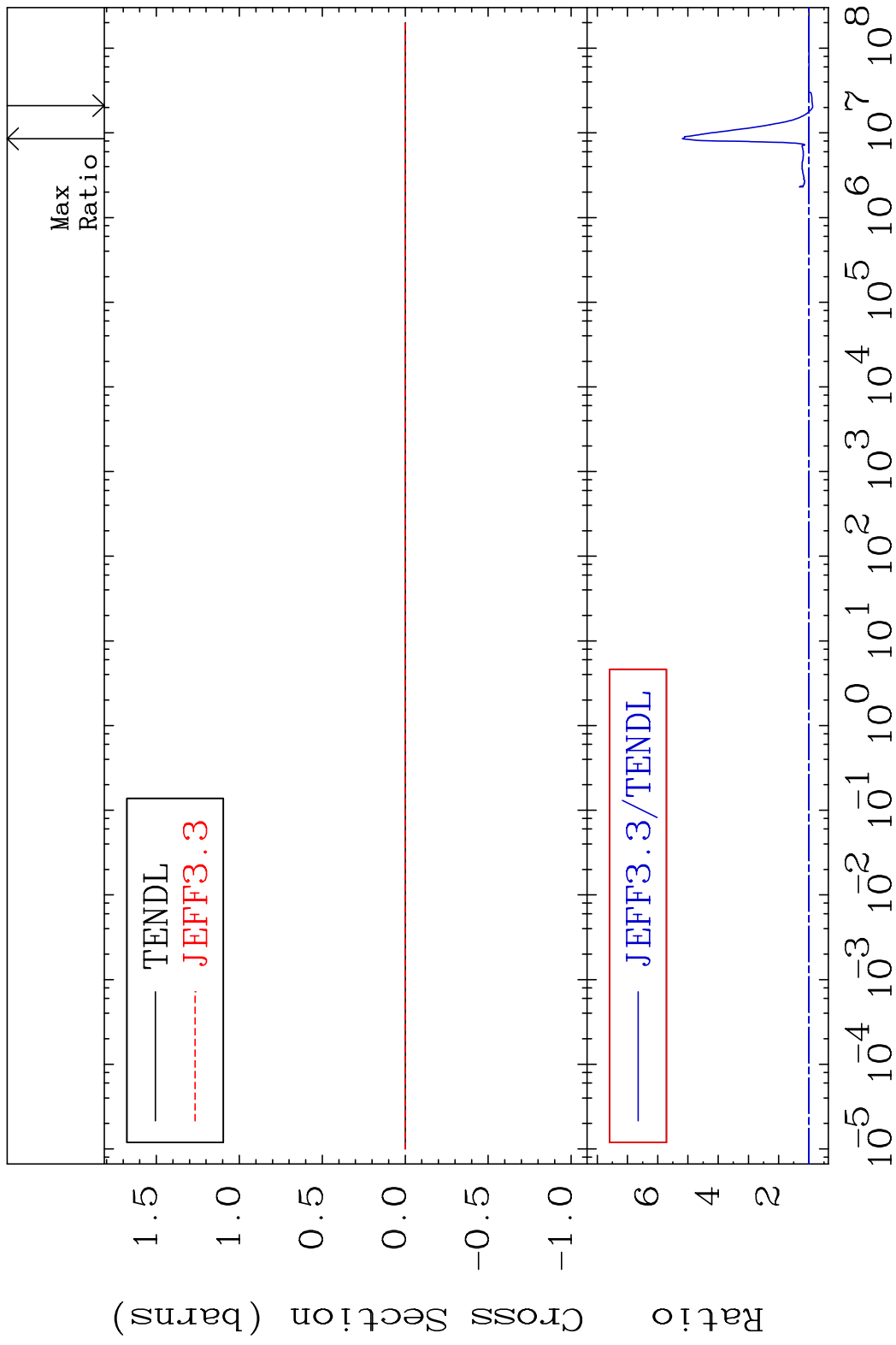
MAT 1625 Kerma non-elastic (all but mt2) 16-S -32
 Cross Section -96.55 To 404.2 %



MAT 1625 Kerma inelastic (mt51-91) 16-S -32
 Cross Section -12.25 To 418.6 %

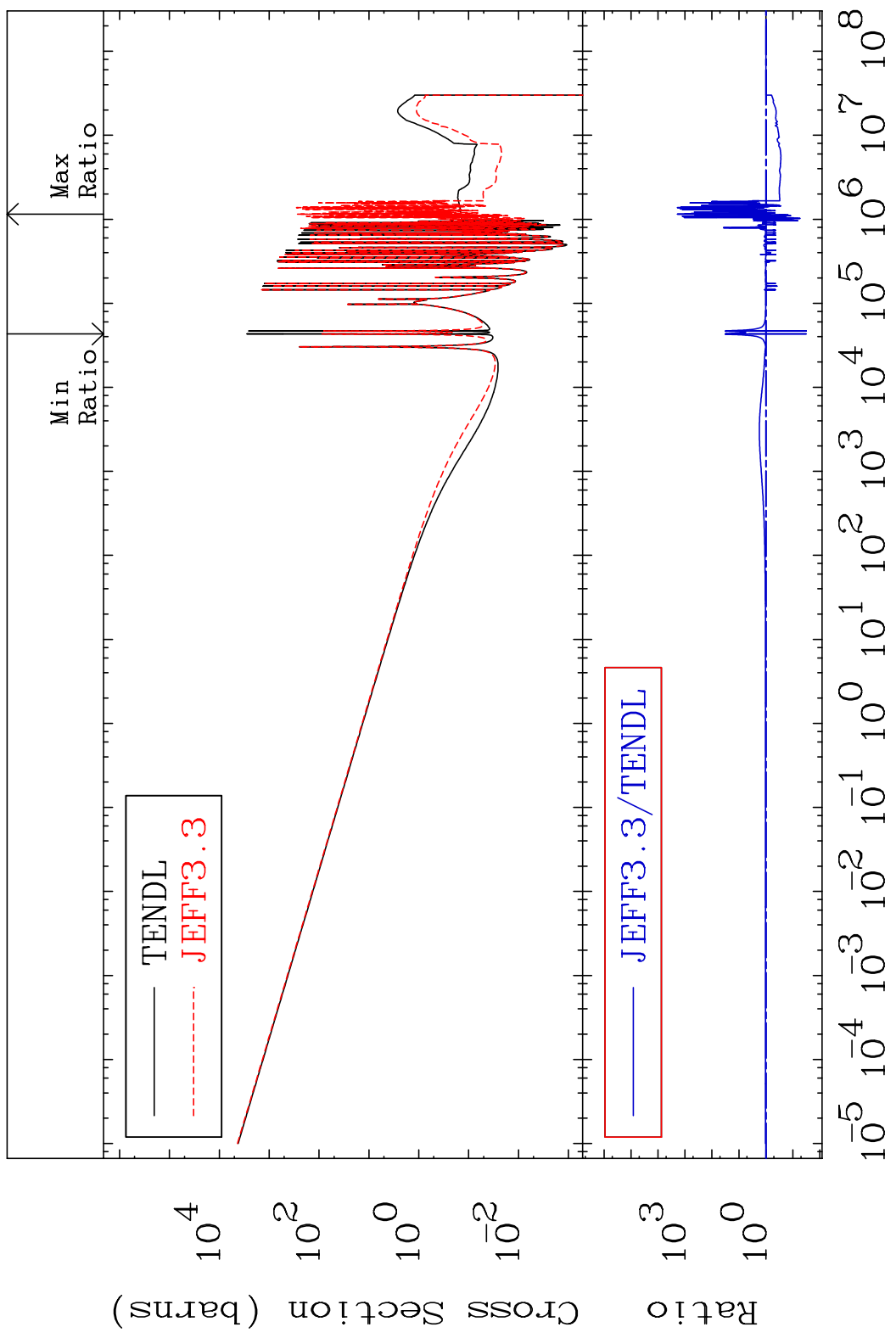


MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -12.25 To 418.6 %

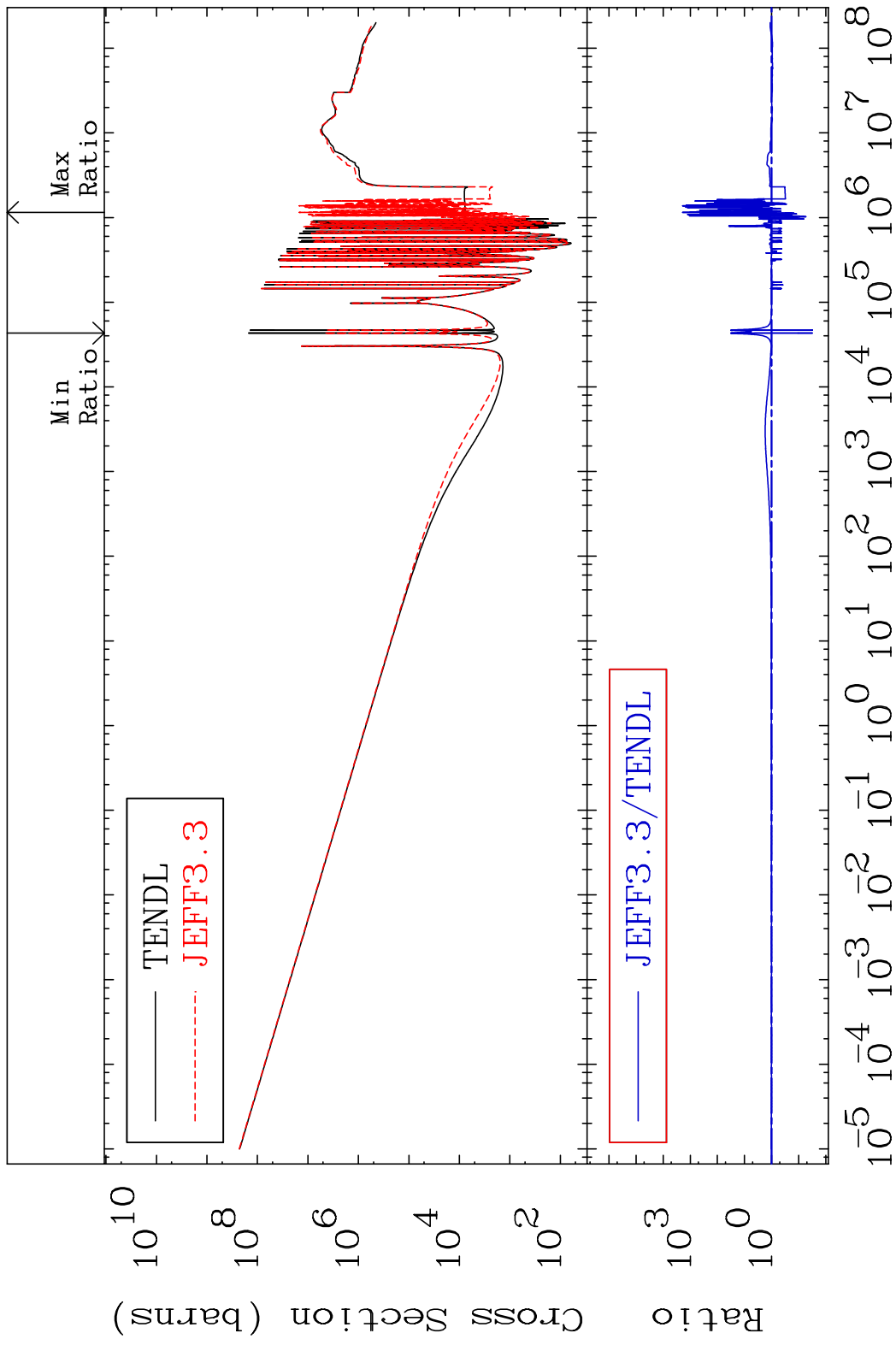


MAT 1625

Kerma capture (mt102) 16-S -32
Cross Section -96.87 To 9999. %

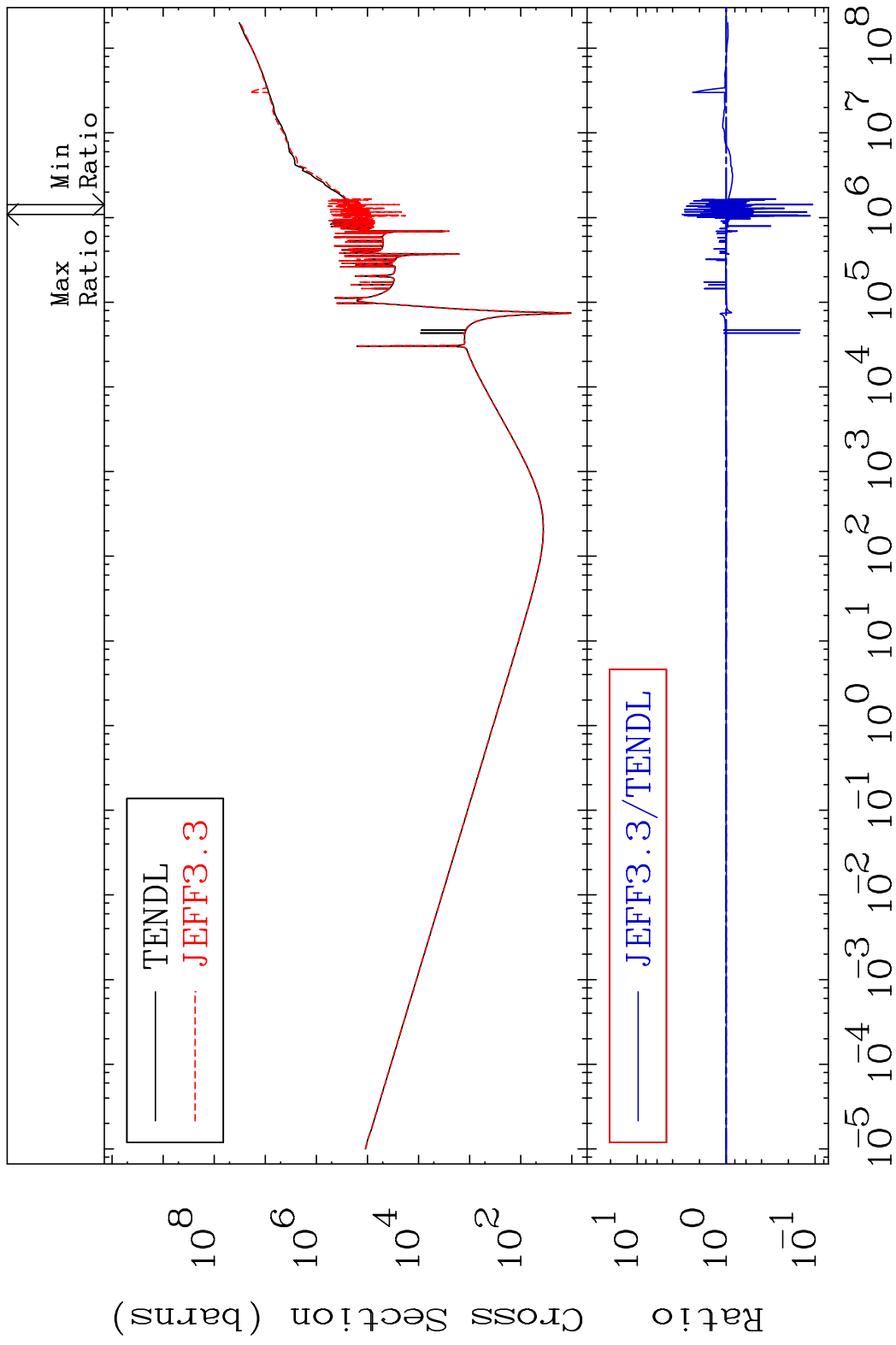


MAT 1625 Total photon (eV-barns) 16-S -32
Cross Section -96.91 To 9999. %



57 Incident Energy (eV) 16-S -32

MAT 1625 Total kinematic kerma (high limit) 16-S -32
 Cross Section -89.32 To 211.2 %

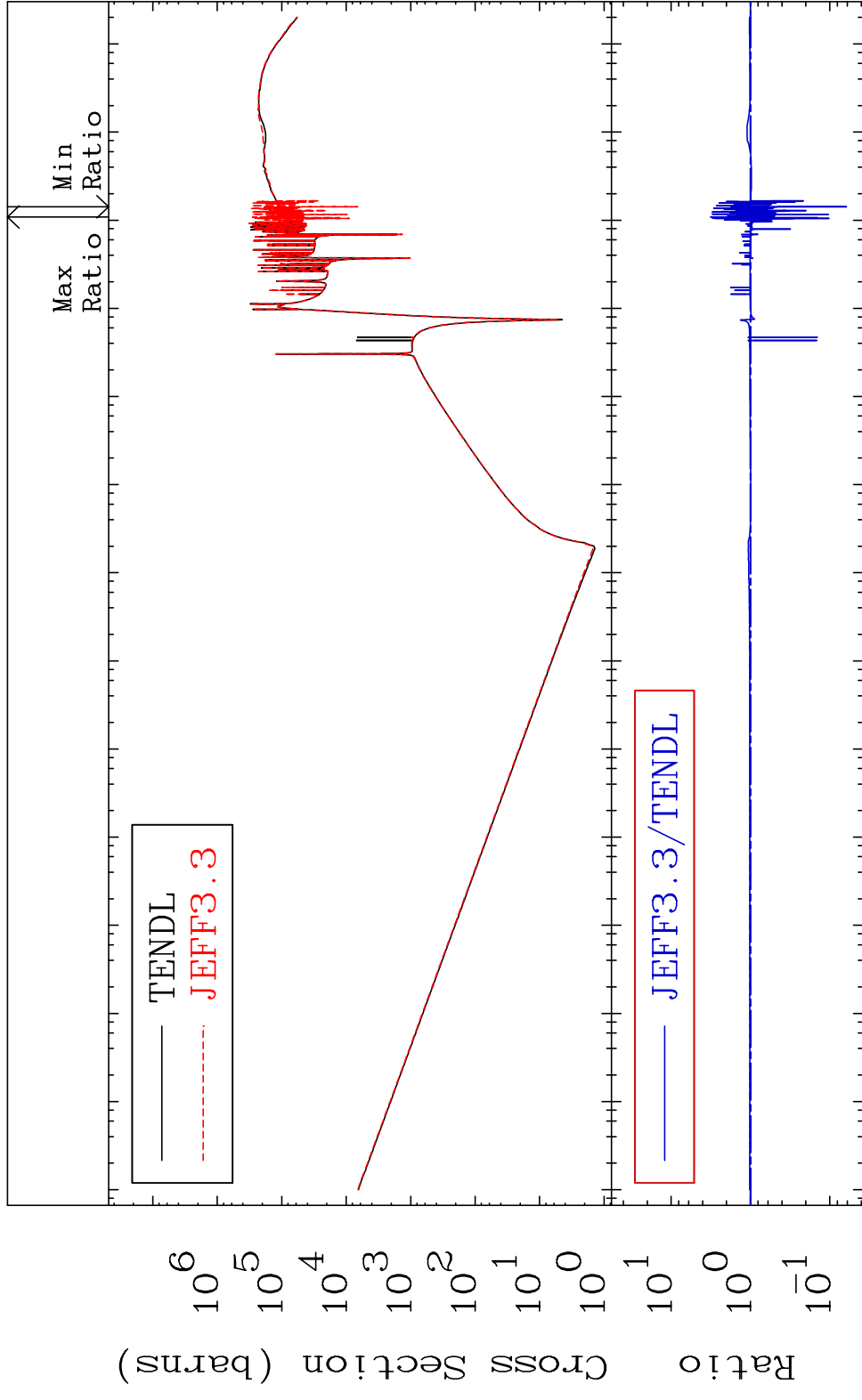


MAT 1625

Dpa total (eV-barns)

16-S -32

Cross Section -93.82 To 216.7 %



Ratio

Cross Section (barns)

Incident Energy (eV)

59

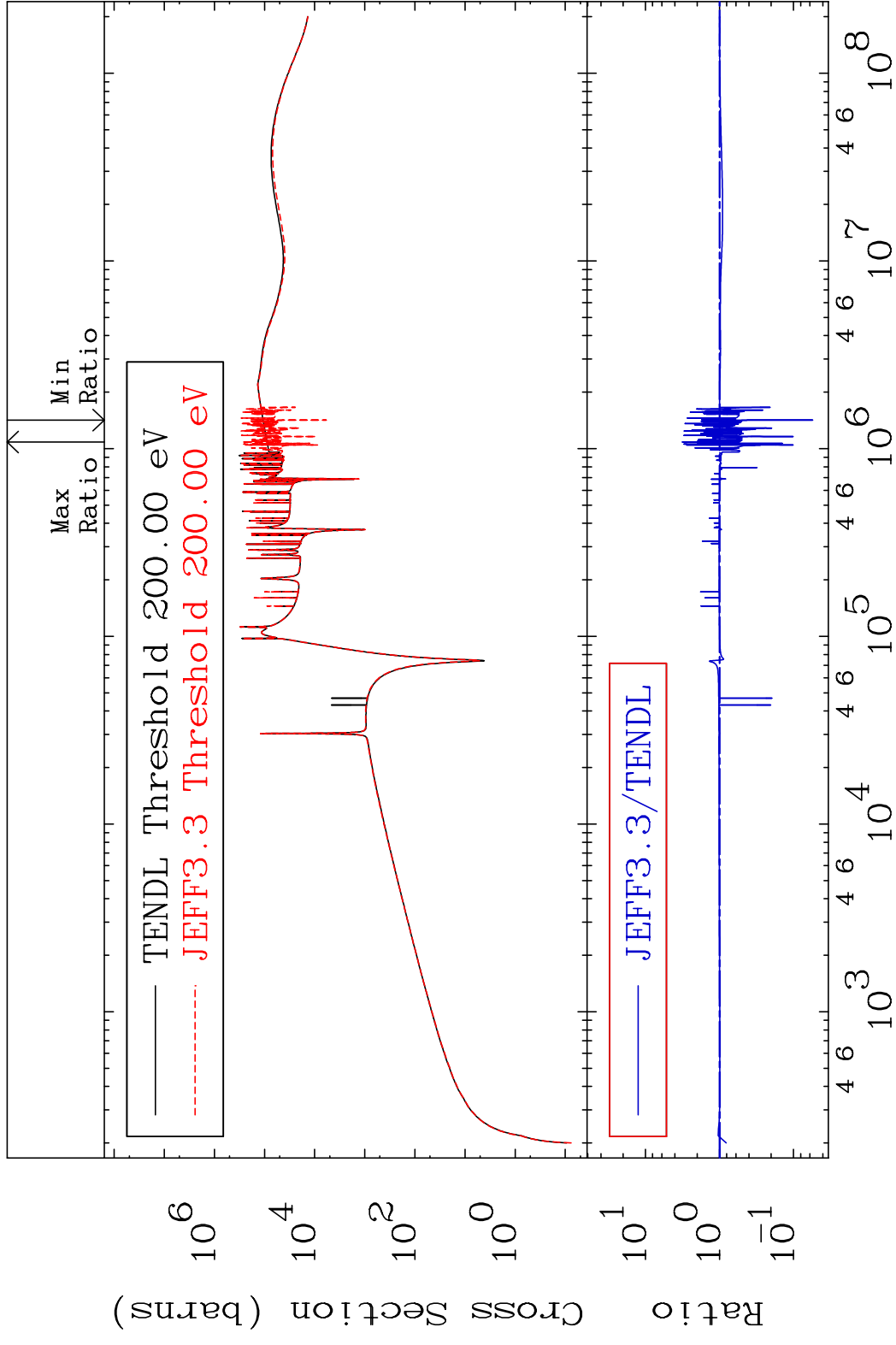
16-S -32

MAT 1625

Dpa elastic (mt2)

16-S -32

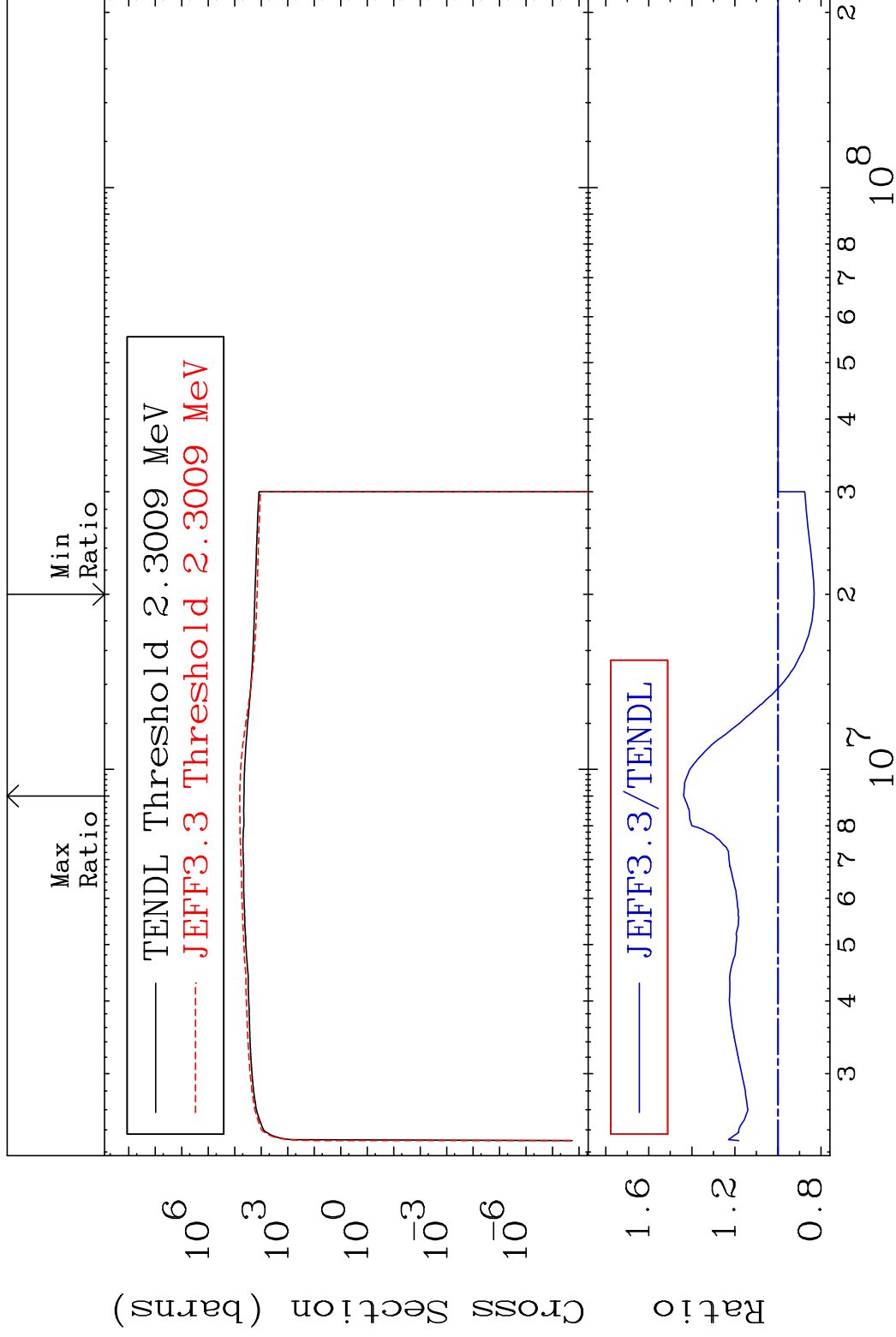
Cross Section -94.48 To 217.3 %



60

Incident Energy (eV)

16-S -32



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32
 Cross Section -96.85 To 2324. %

