

Program Complot
(Version 2021-1)

by

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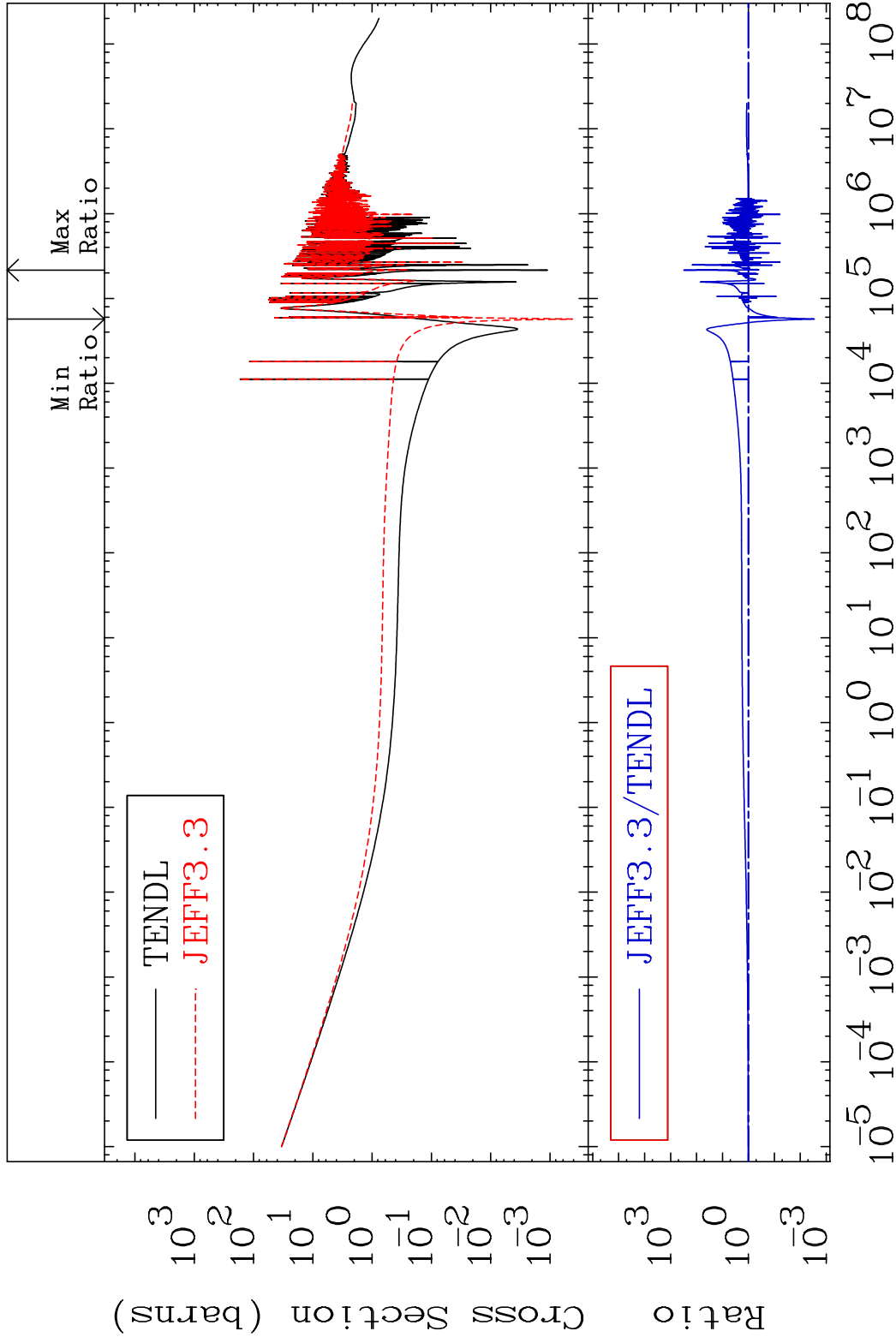
Press Mouse Button to Start

MAT 1837

Total

18-Ar-40

Cross Section -99.71 To 9999. %



1

Incident Energy (eV)

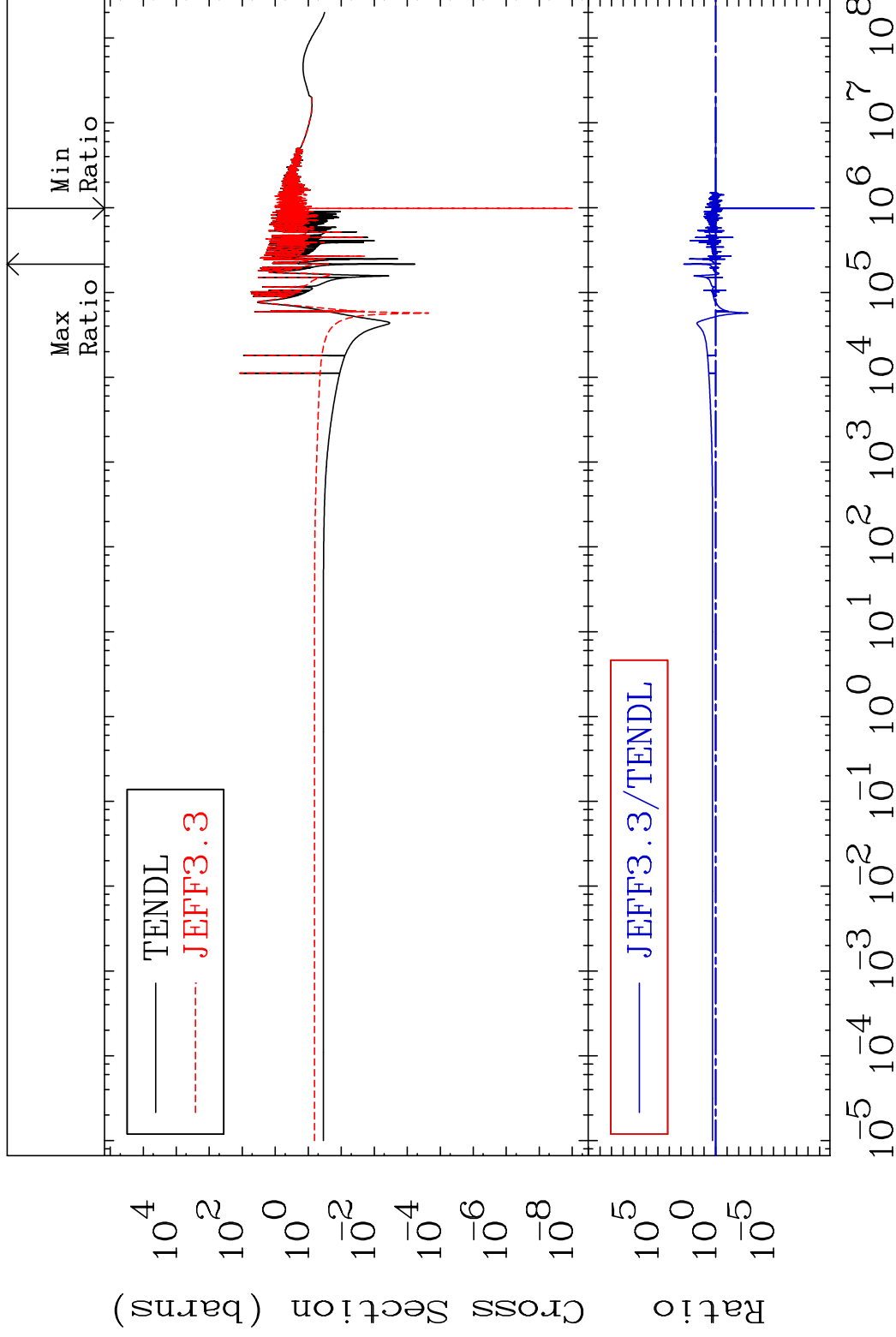
18-Ar-40

MAT 1837

Elastic

18-Ar-40

Cross Section -100.0 To 9999. %

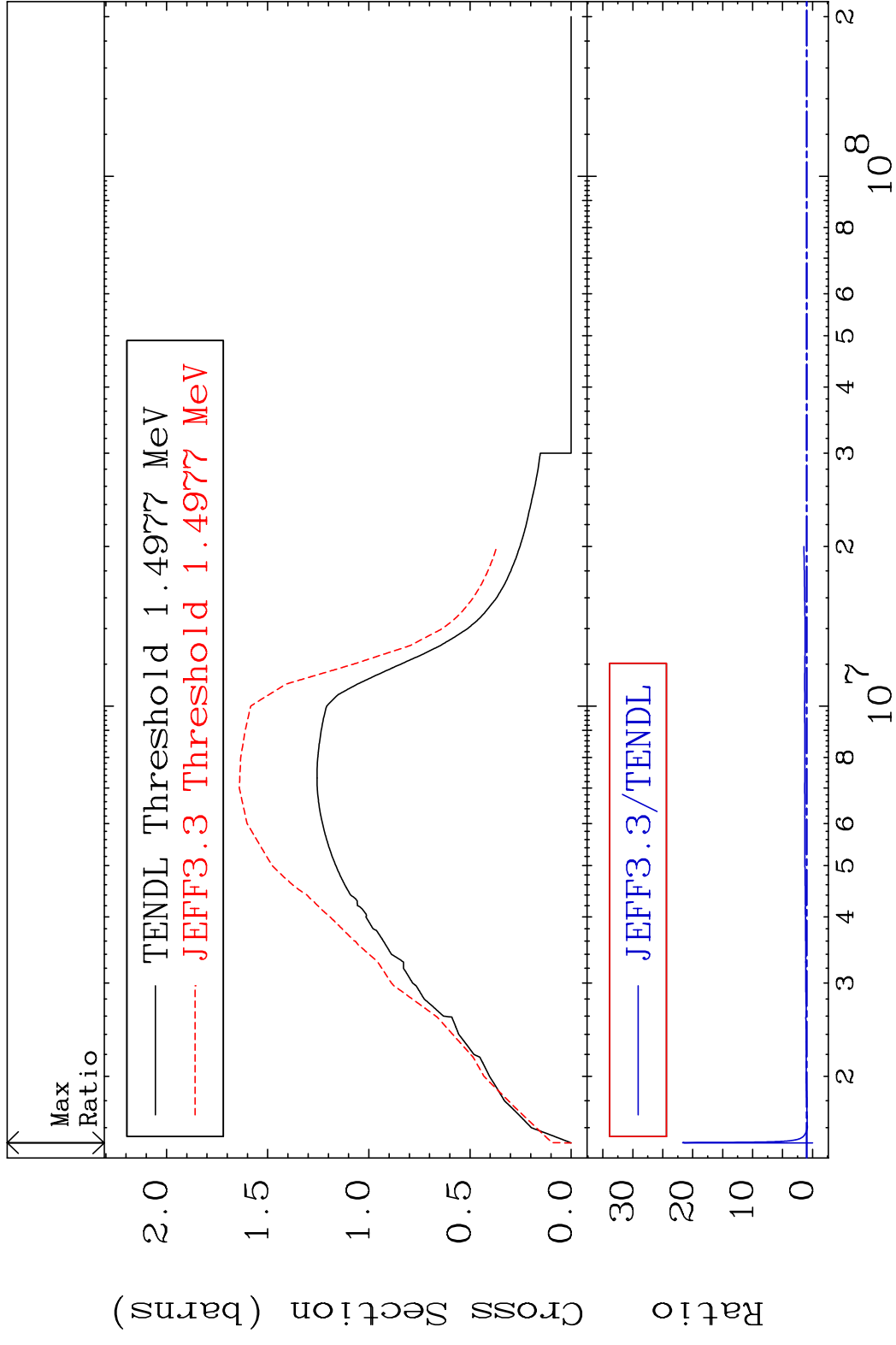


2

Incident Energy (eV)

18-Ar-40

MAT 1837 Inelastic 18-Ar-40
 Cross Section -100.0 To 2073. %



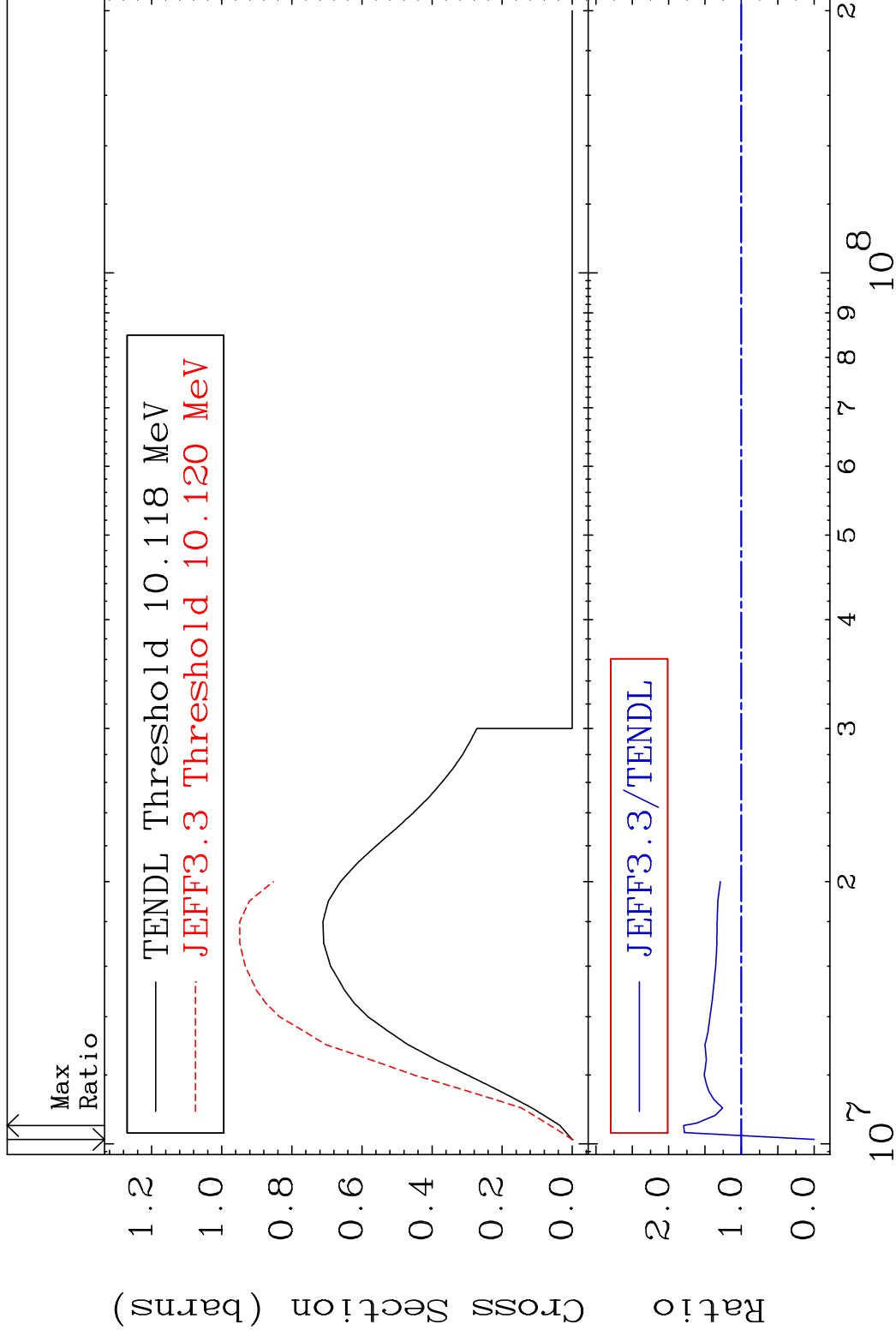
3 Incident Energy (eV) 18-Ar-40

MAT 1837

(n,2n)

18-Ar-40

Cross Section -100.0 To 79.36 %



4

Incident Energy (eV)

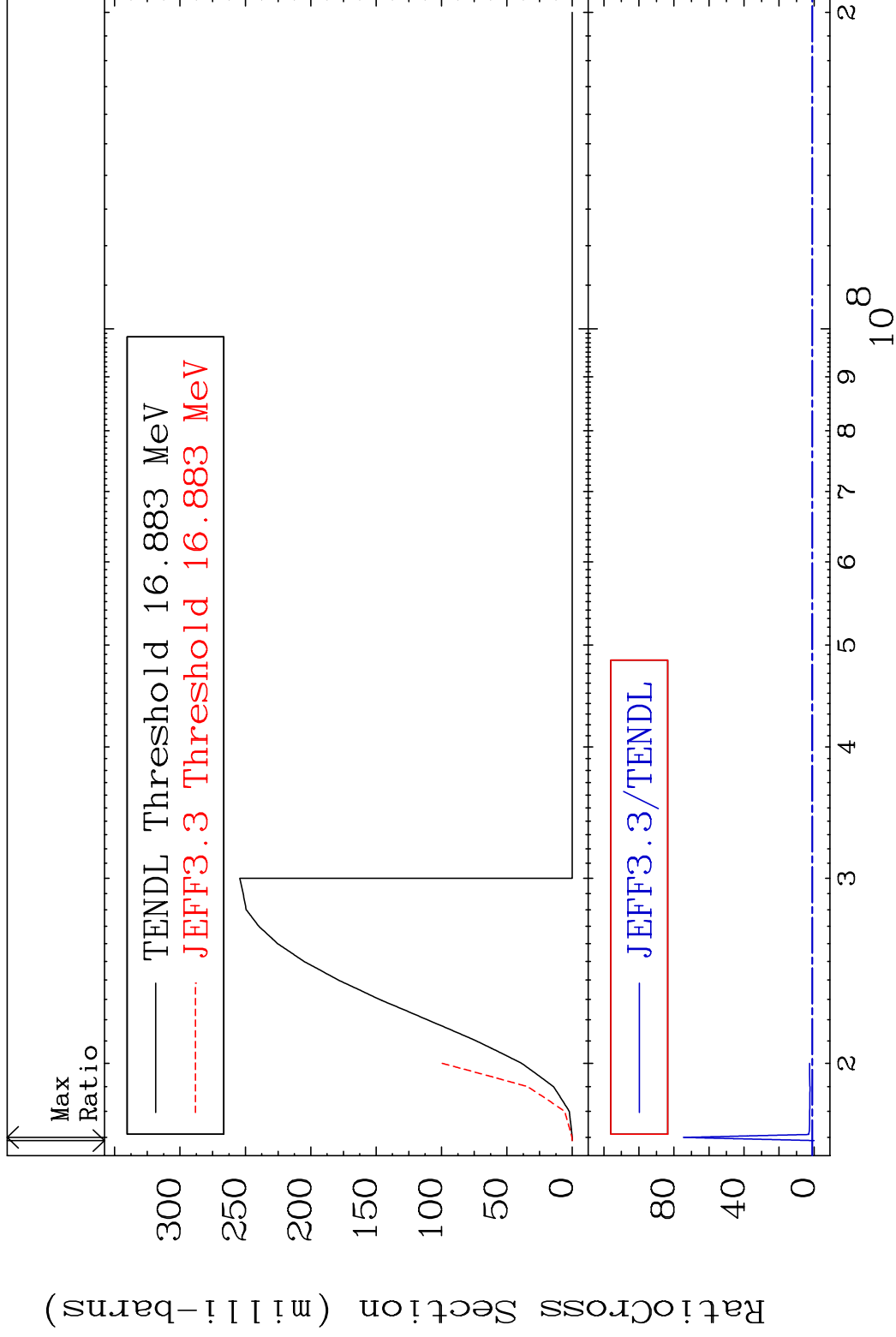
18-Ar-40

MAT 1837

(n,3n)

18-Ar-40

Cross Section -100.0 To 7347. %



5

Incident Energy (eV)

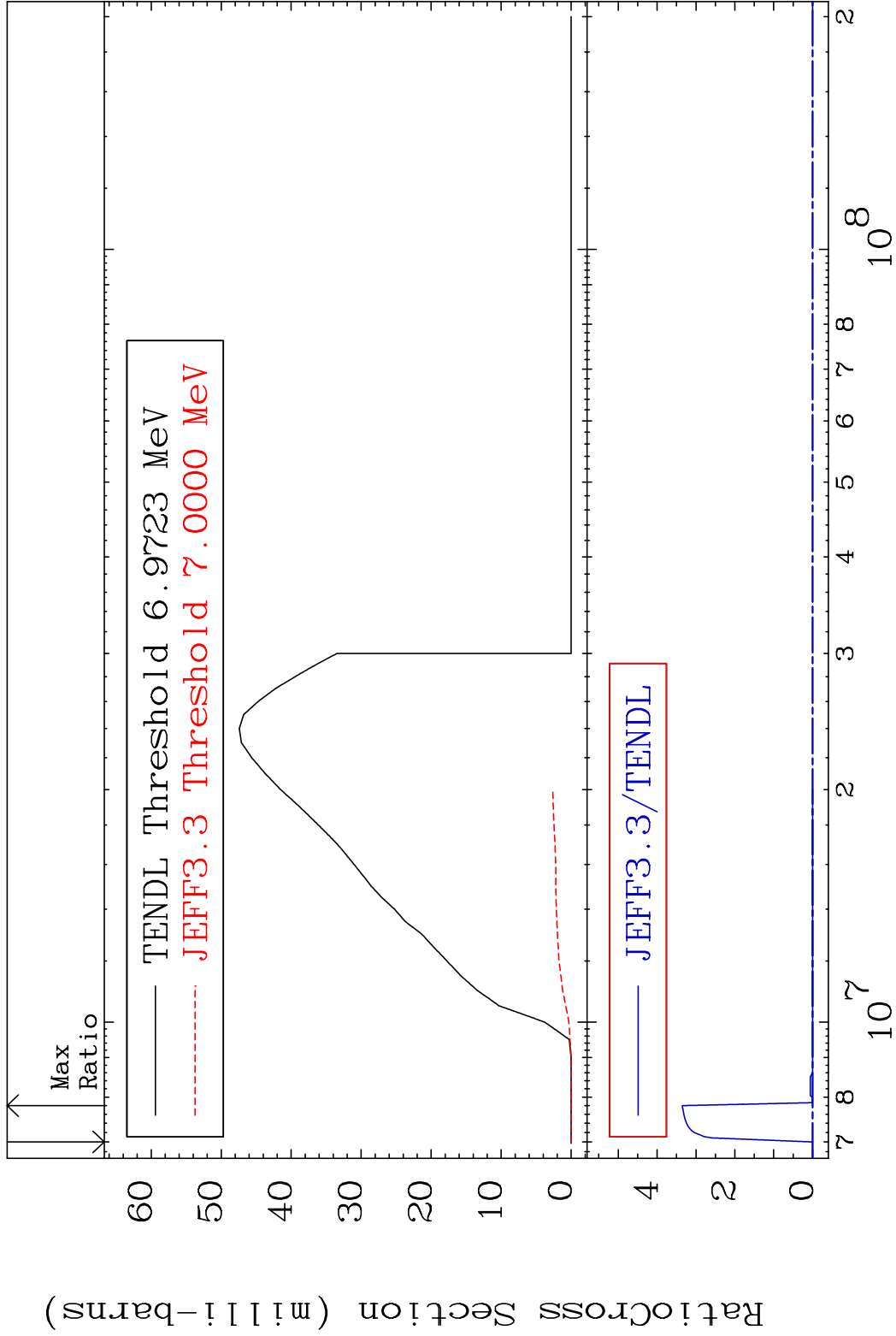
18-Ar-40

MAT 1837

(n, n') α

18-Ar-40

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

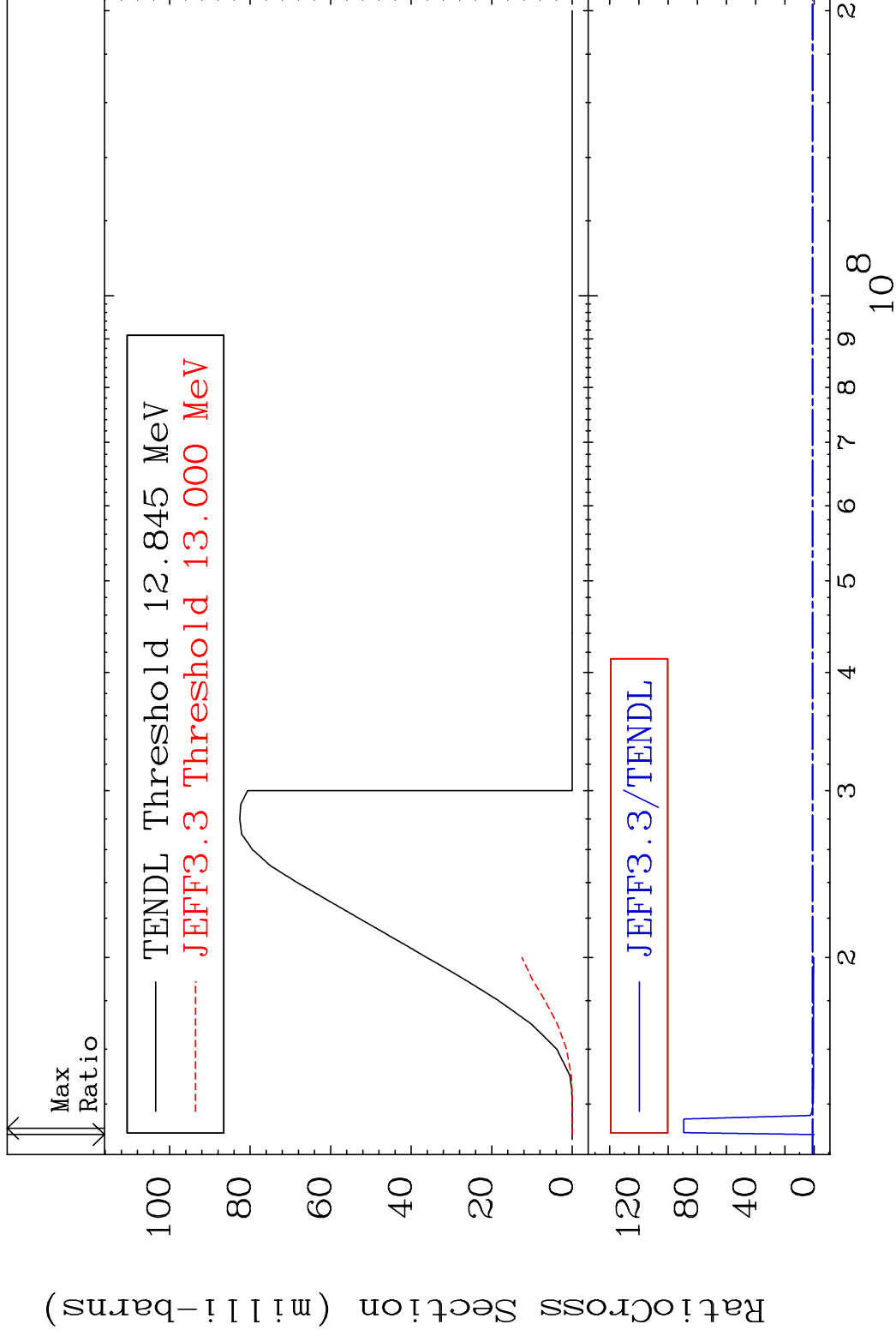
18-Ar-40

MAT 1837

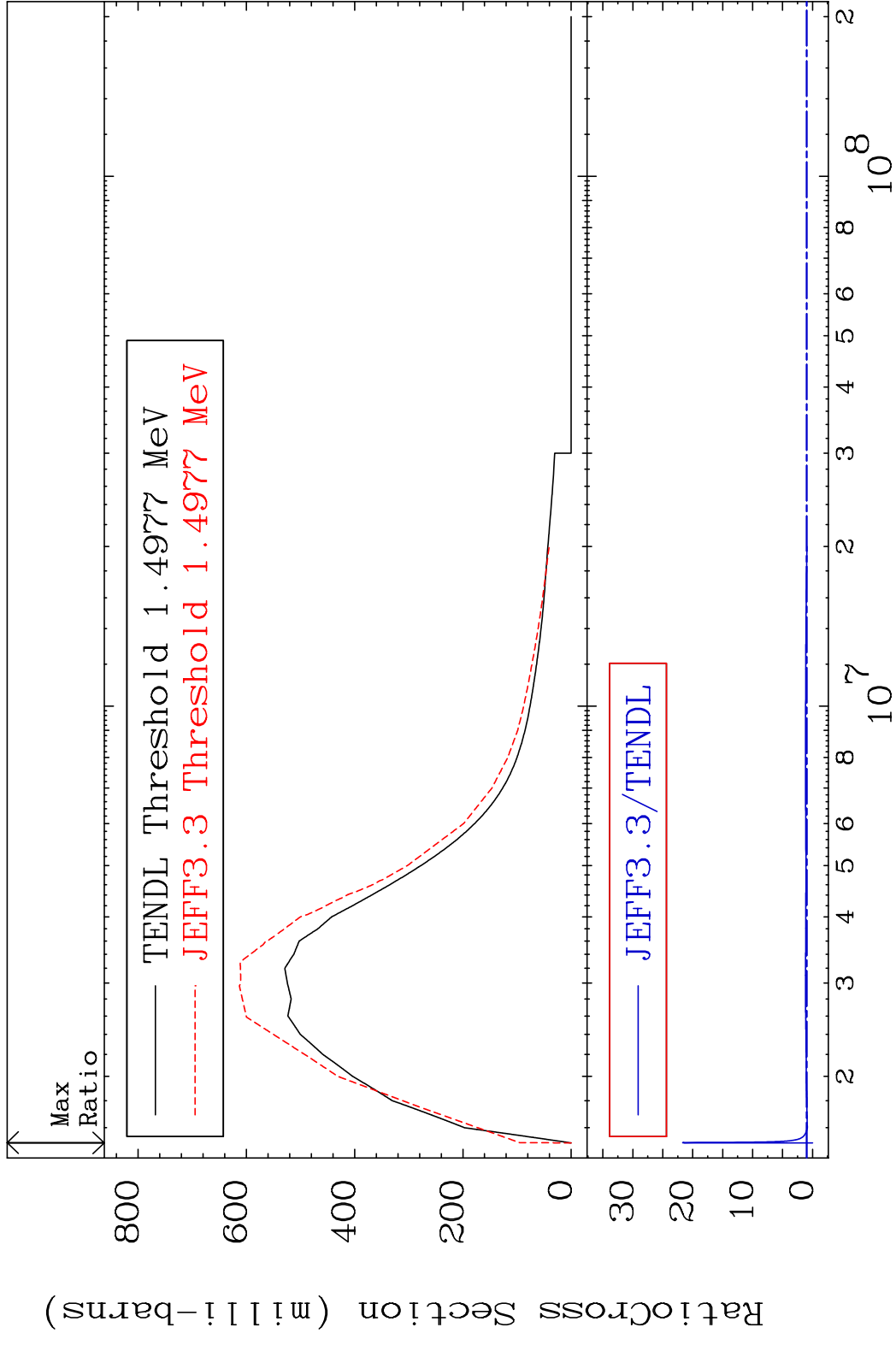
(n, n') p

18-Ar-40

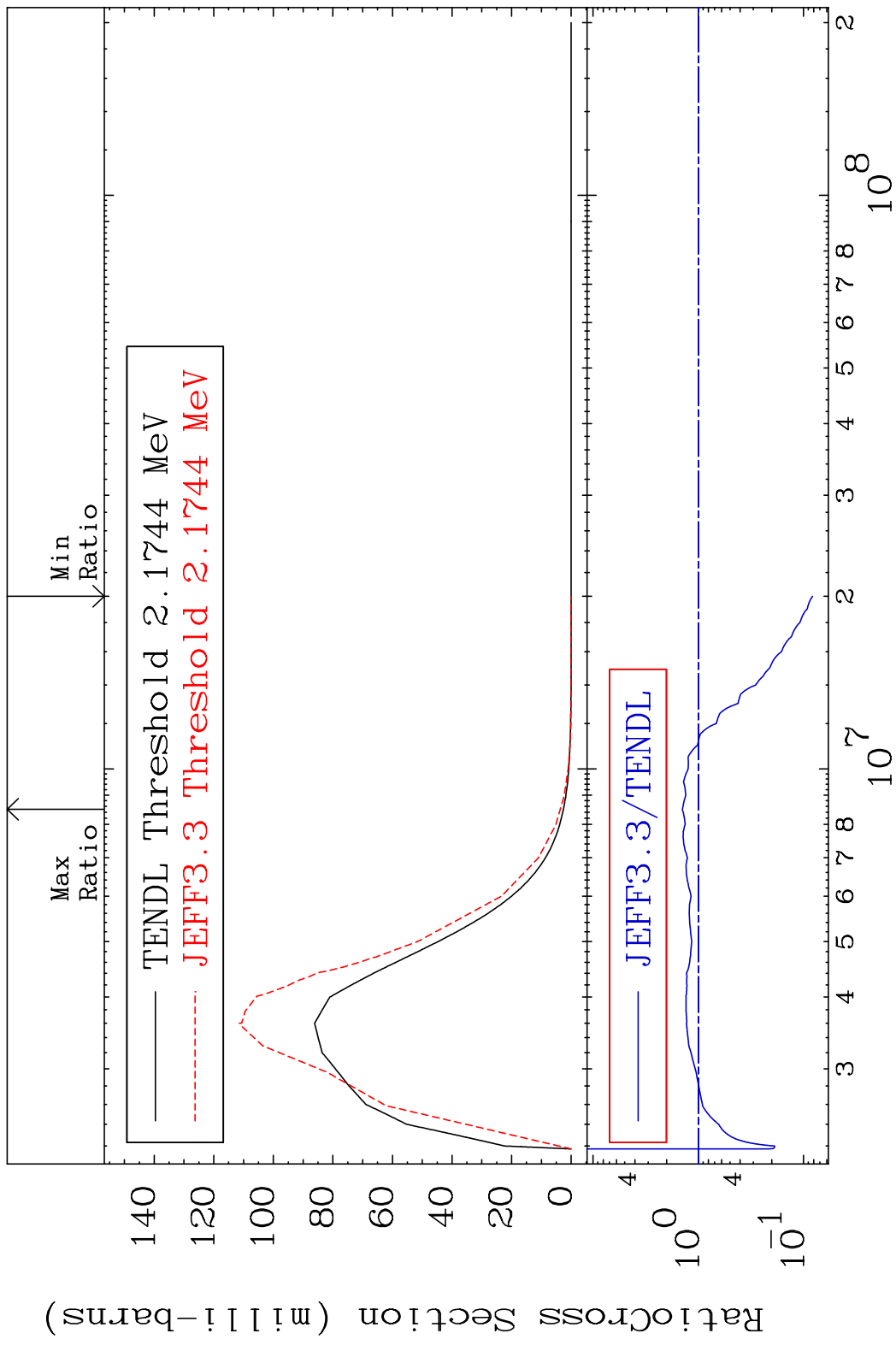
Cross Section -100.0 To 8835. %



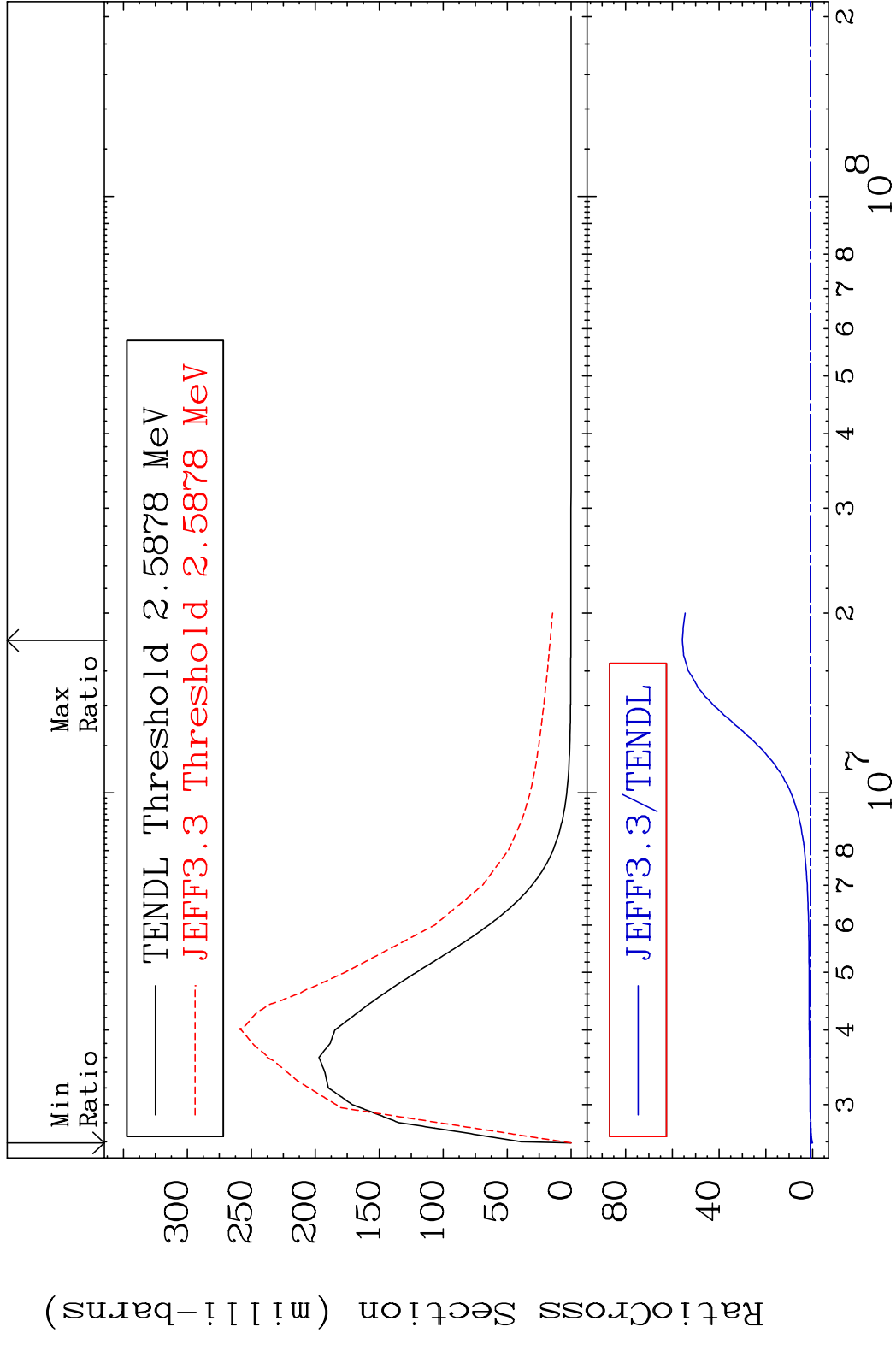
MAT 1837 MT= 51 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 2073. %



MAT 1837 MT= 52 (n, n') Level 18-Ar-40
 Cross Section -91.80 To 41.71 %

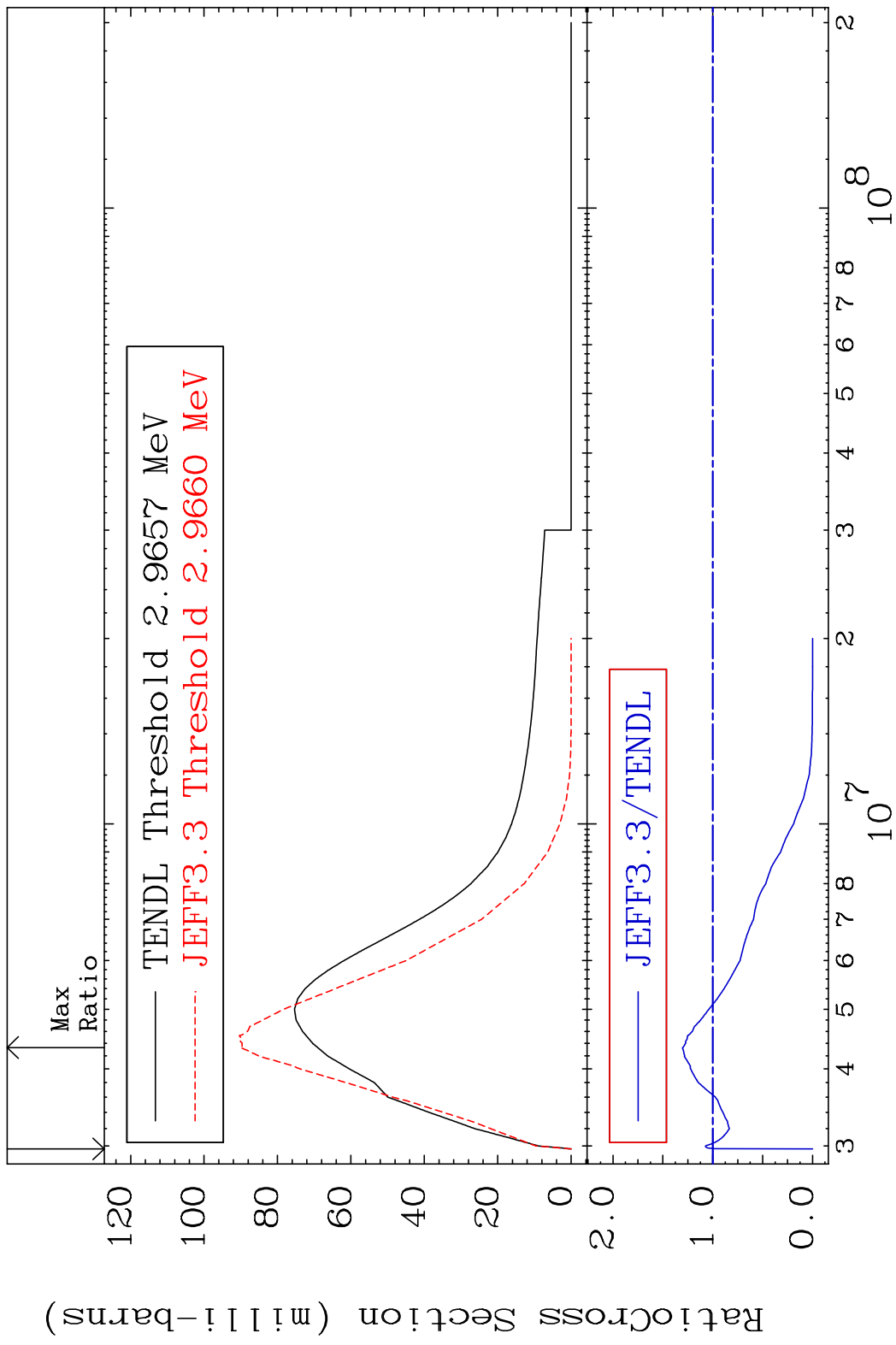


MAT 1837 MT= 53 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 5469. %

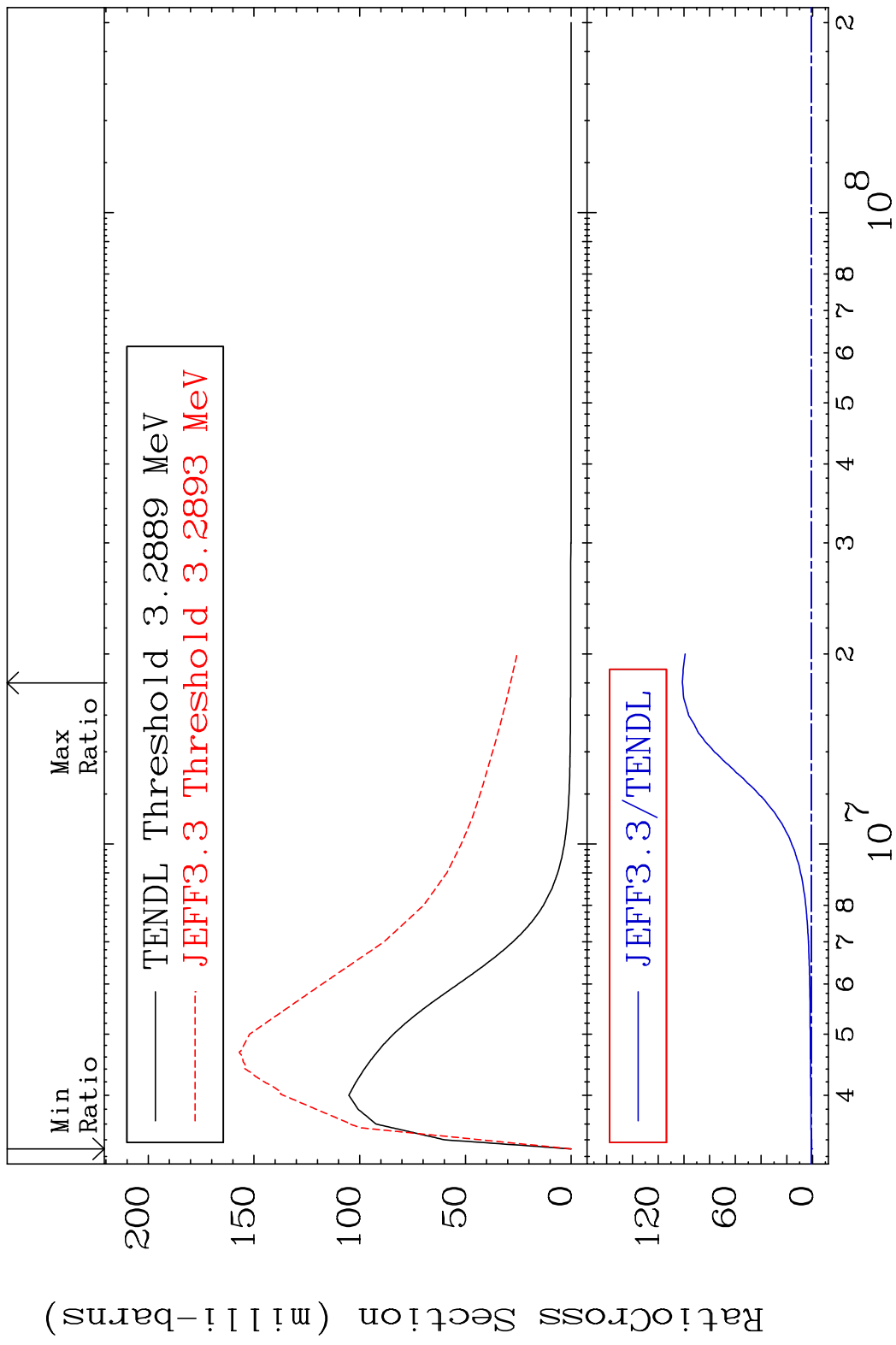


10 18-Ar-40

MAT 1837 MT= 54 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 30.48 %



MAT 1837 MT= 55 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 9999. %



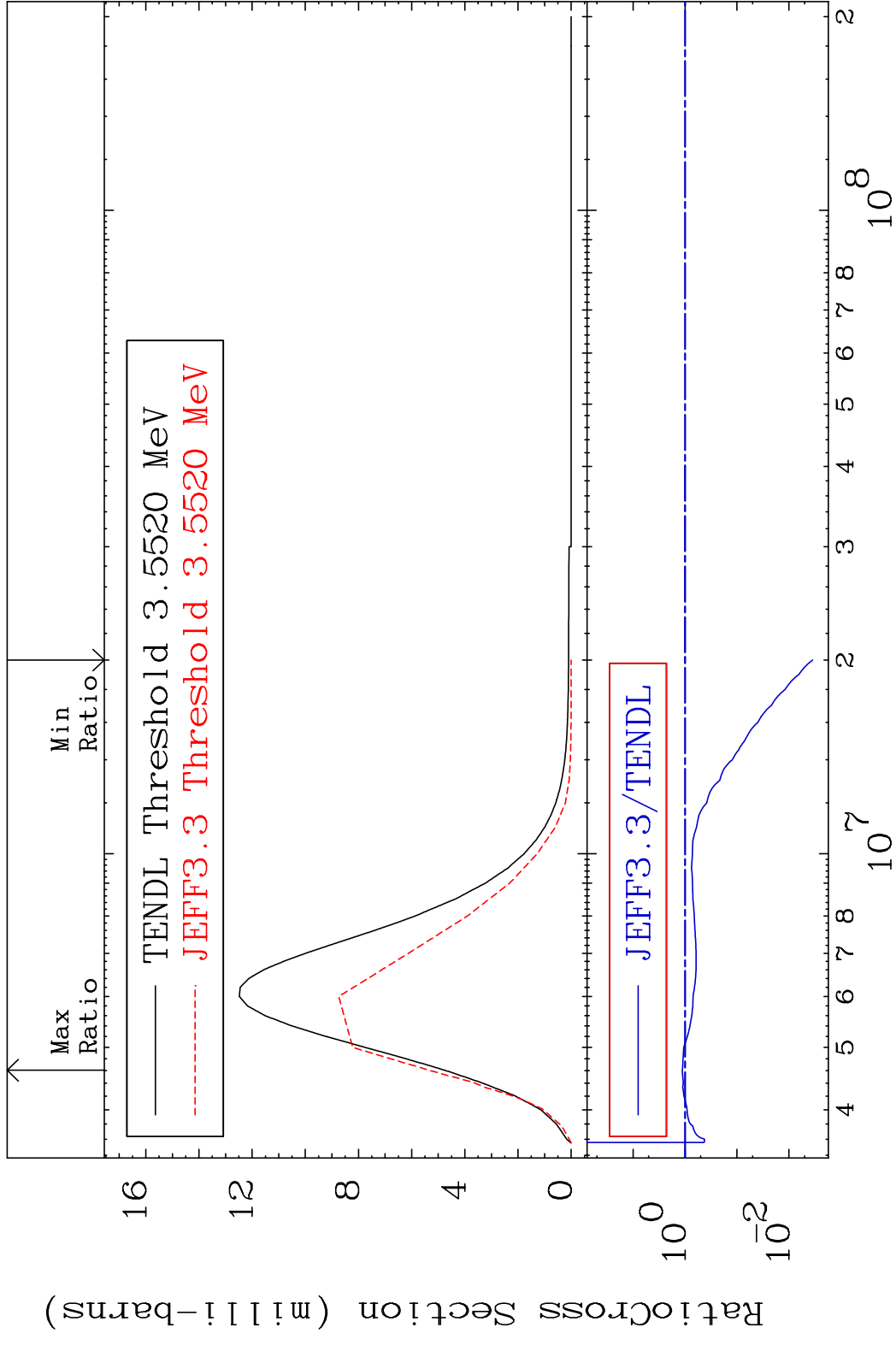
12 Incident Energy (eV) 18-Ar-40

MAT 1837

MT= 56 (n, n') Level

18-Ar-40

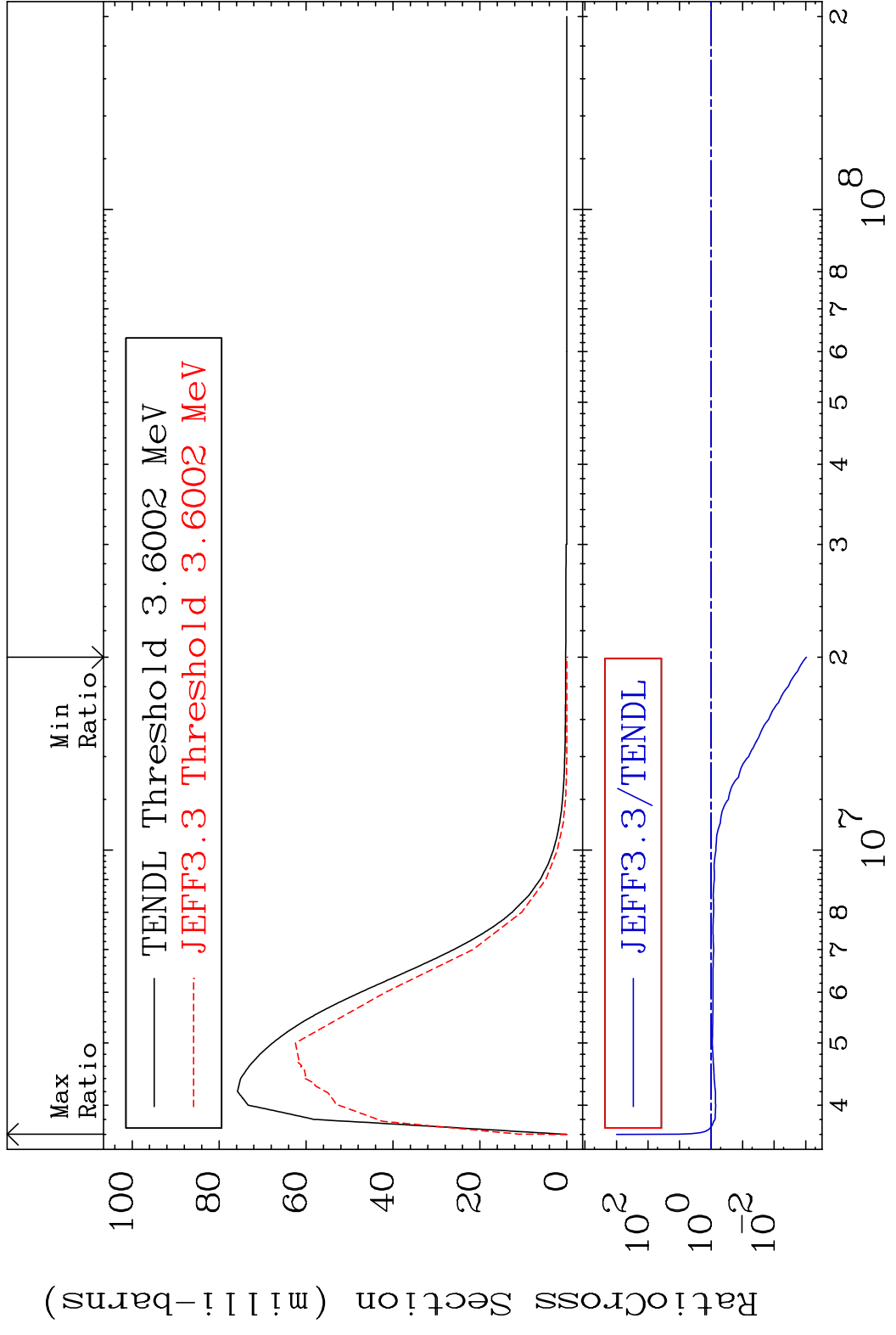
Cross Section -99.65 To 12.65 %



13

18-Ar-40

MAT 1837 MT= 57 (n,n') Level 18-Ar-40
 Cross Section -99.90 To 1092. %

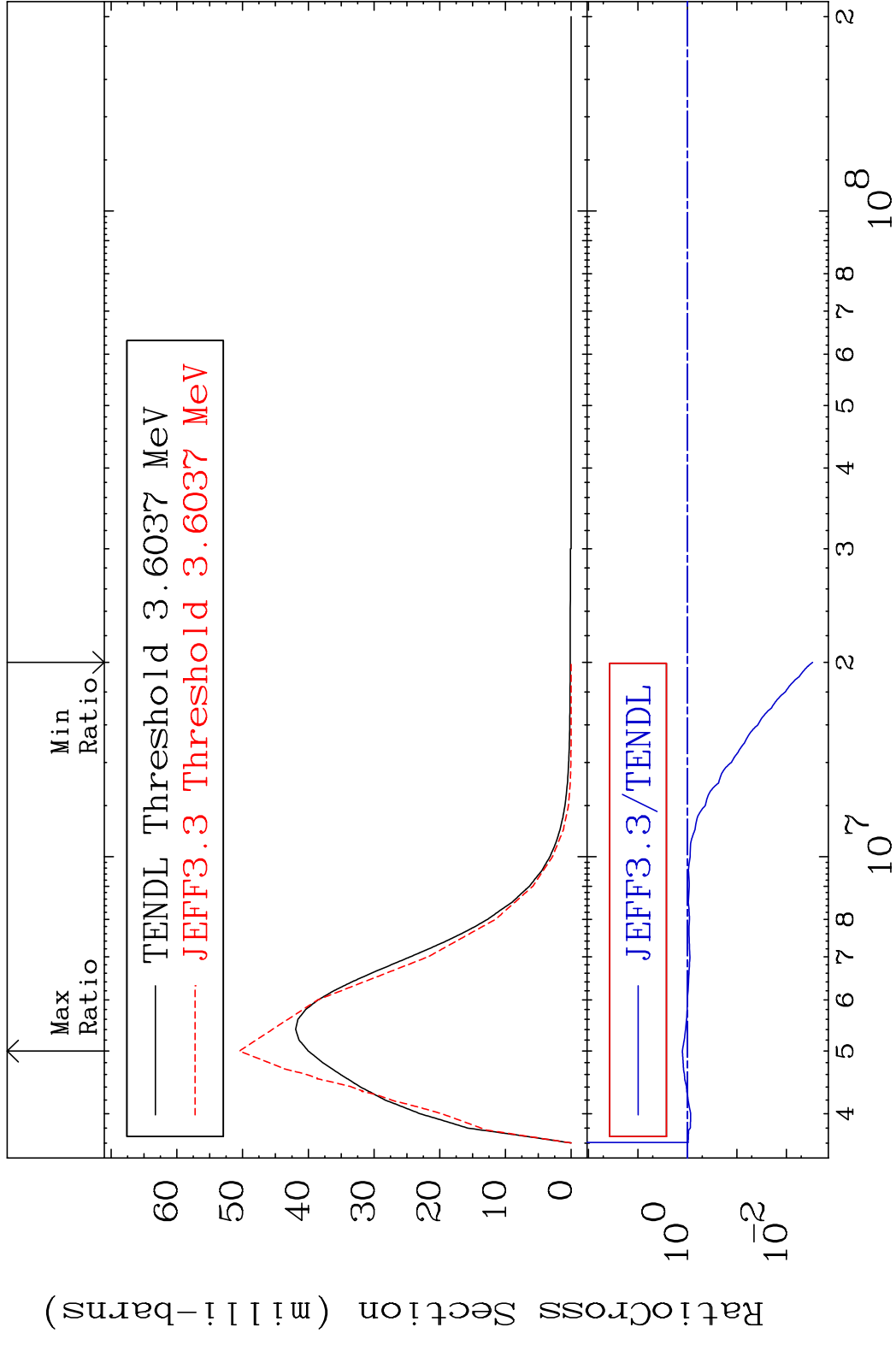


MAT 1837

MT= 58 (n, n') Level

18-Ar-40

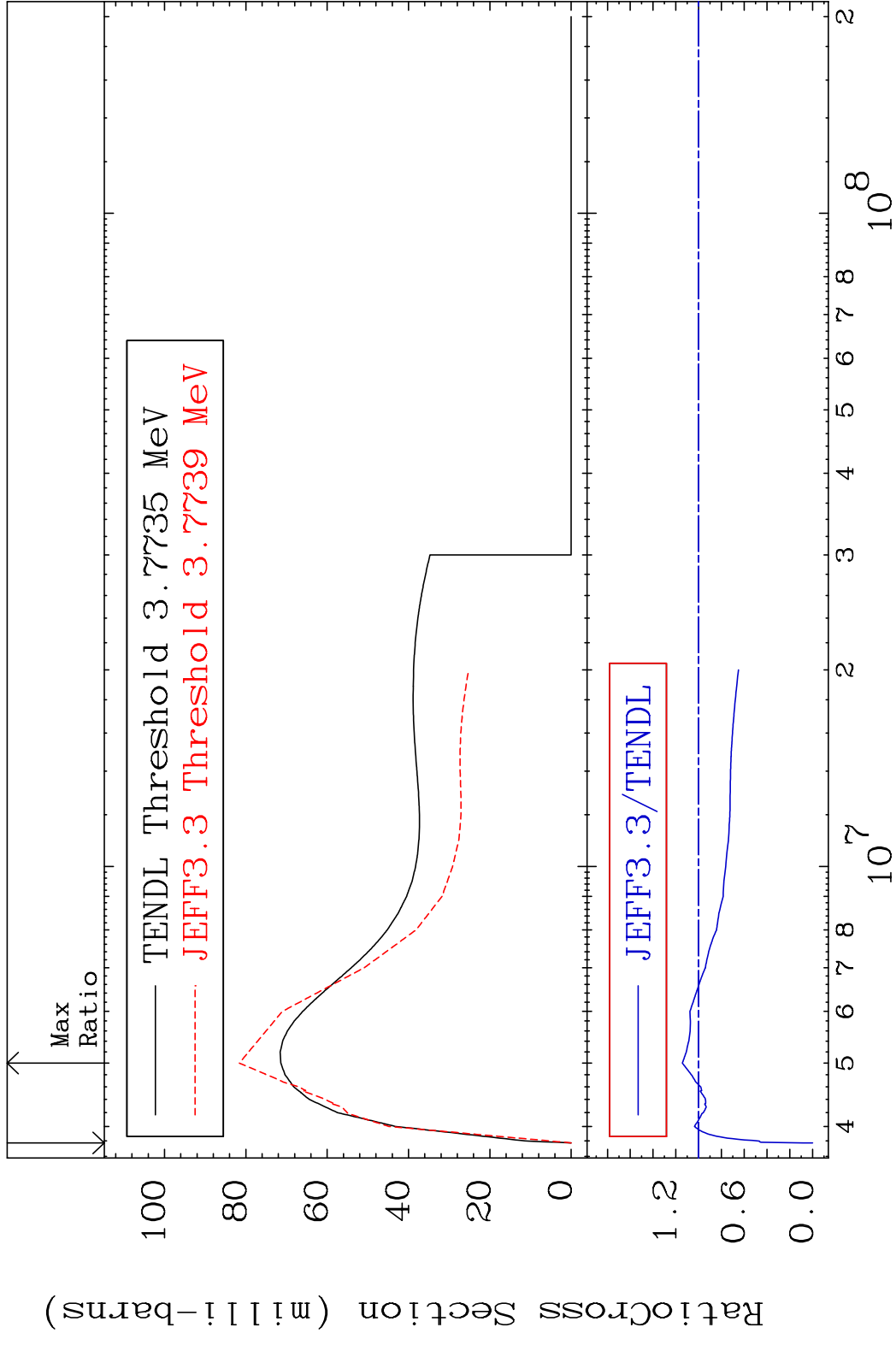
Cross Section -99.70 To 26.24 %



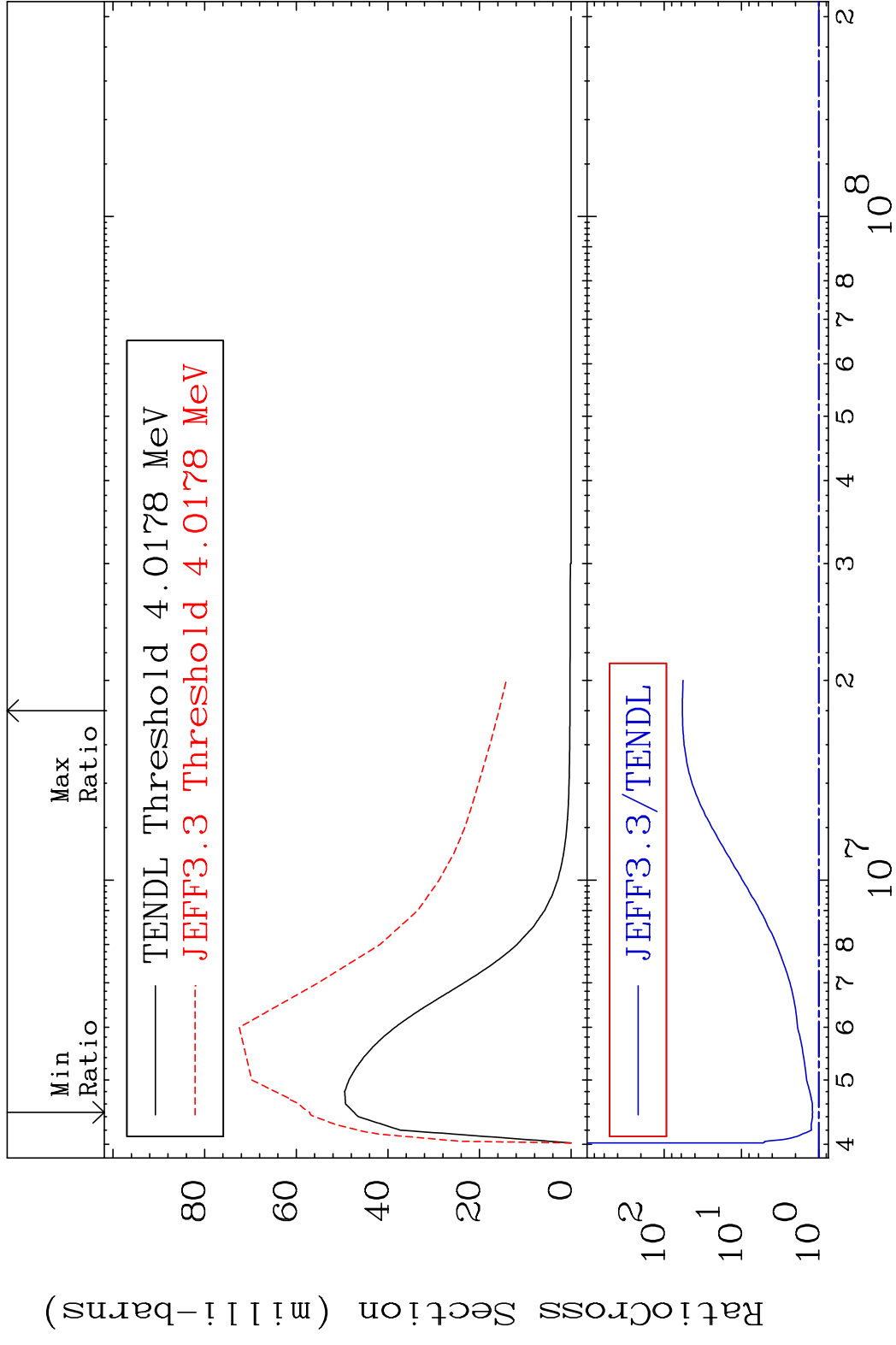
15

18-Ar-40

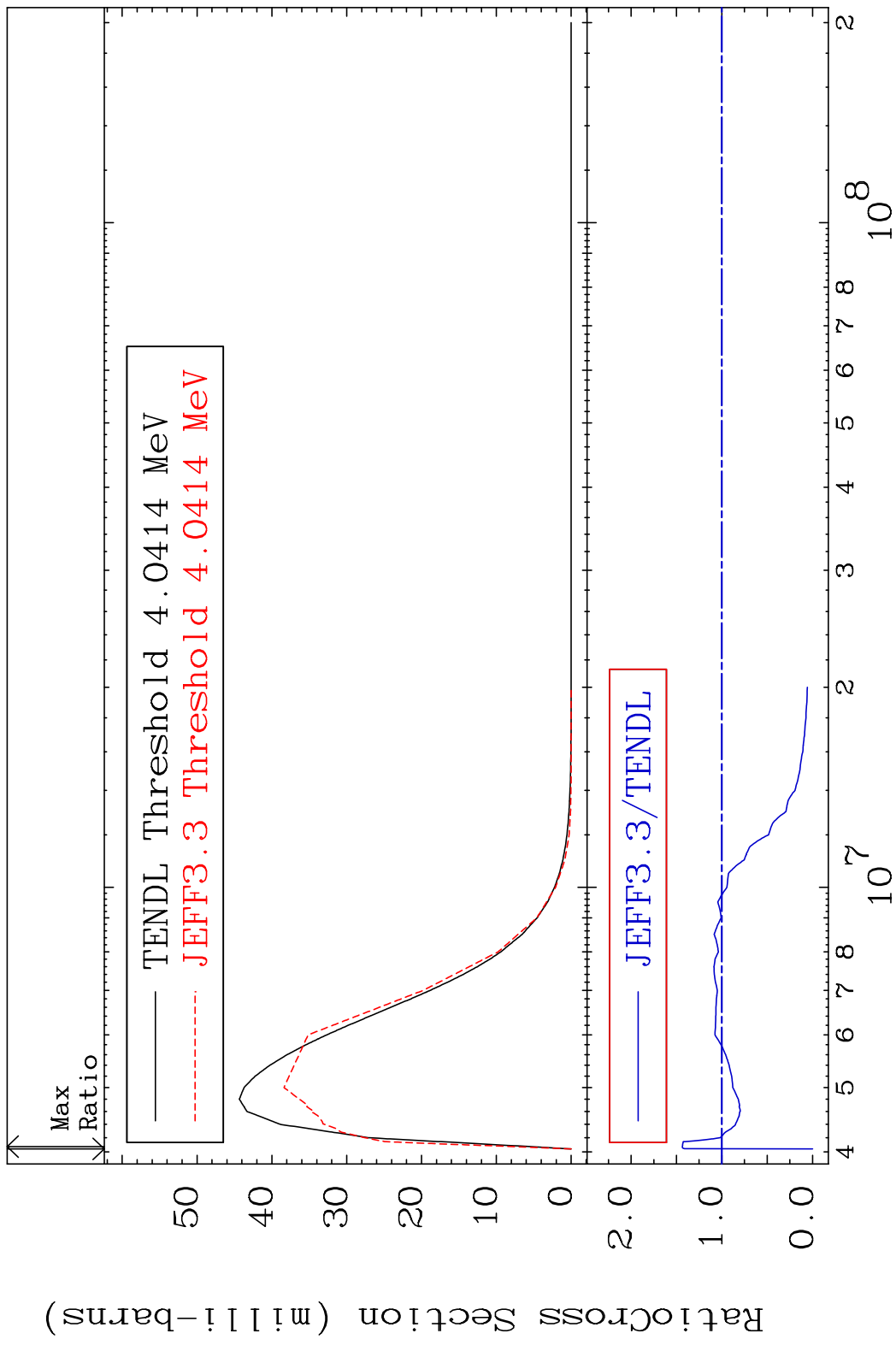
MAT 1837 MT= 59 (n,n') Level 18-Ar-40
 Cross Section -100.0 To 14.28 %



MAT 1837 MT= 60 (n, n') Level 18-Ar-40
 Cross Section 20.36 To 5725. %



MAT 1837 MT= 61 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 43.51 %

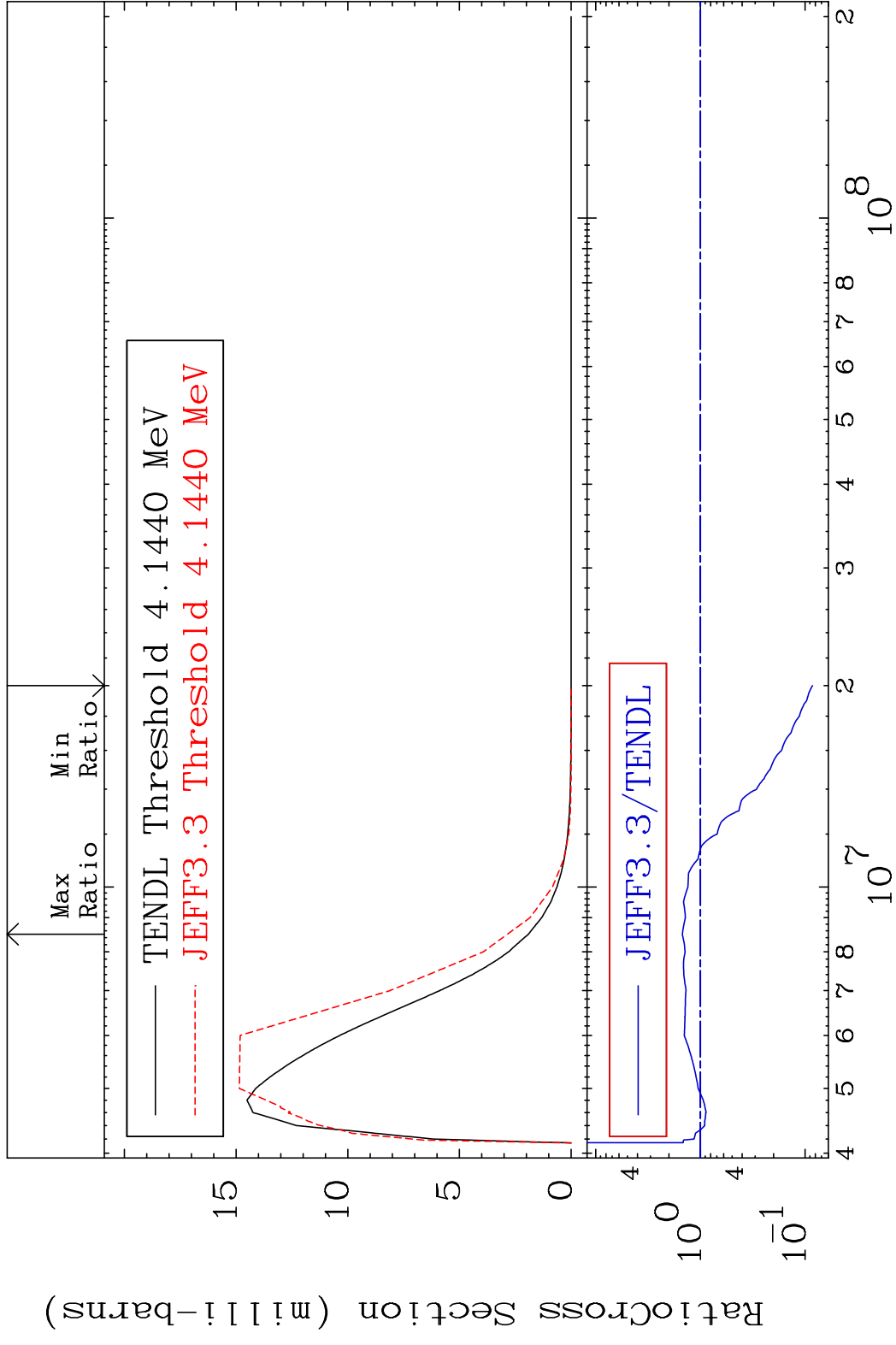


MAT 1837

MT= 62 (n, n') Level

18-Ar-40

Cross Section -91.50 To 49.09 %

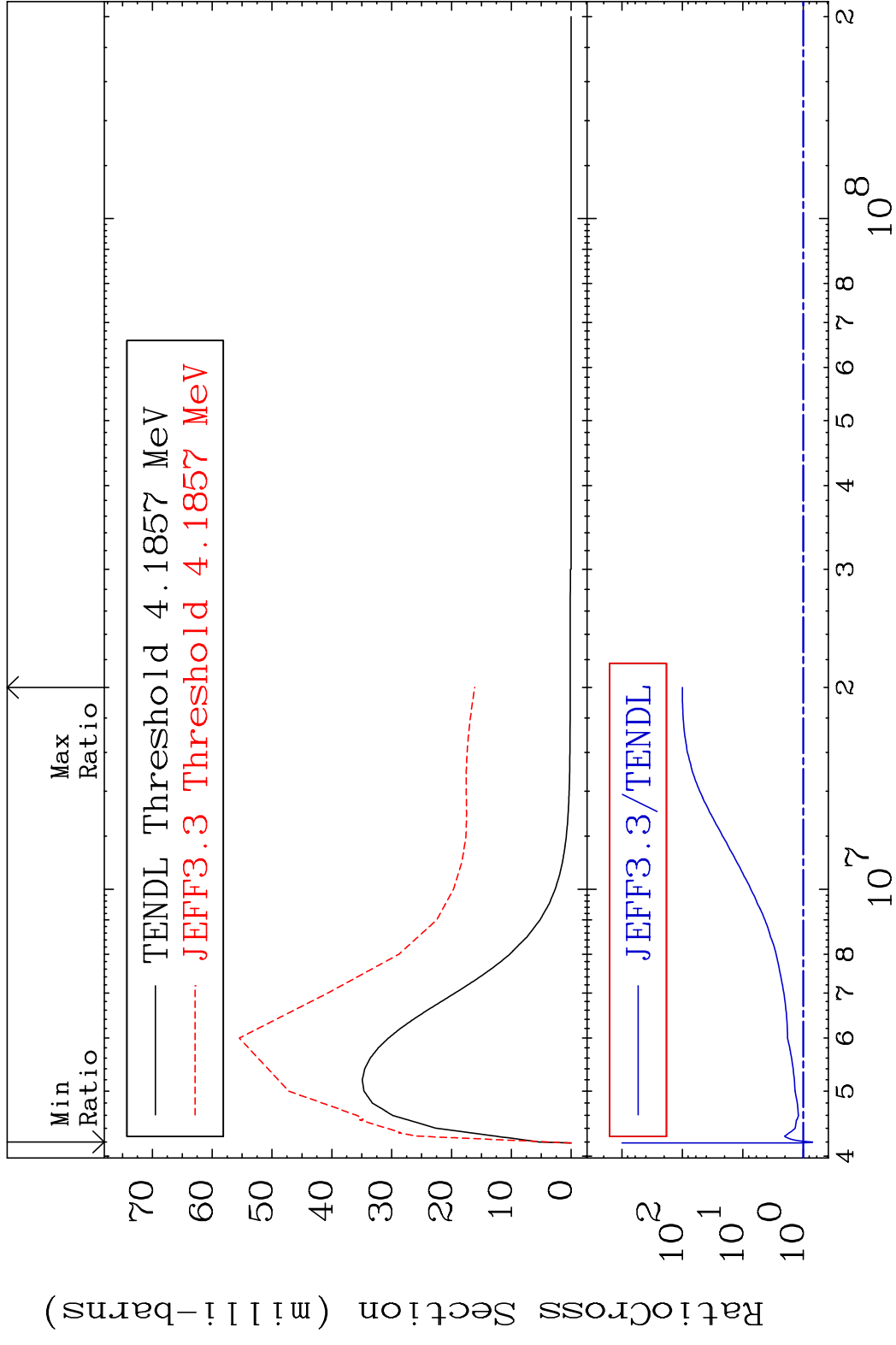


19

Incident Energy (eV)

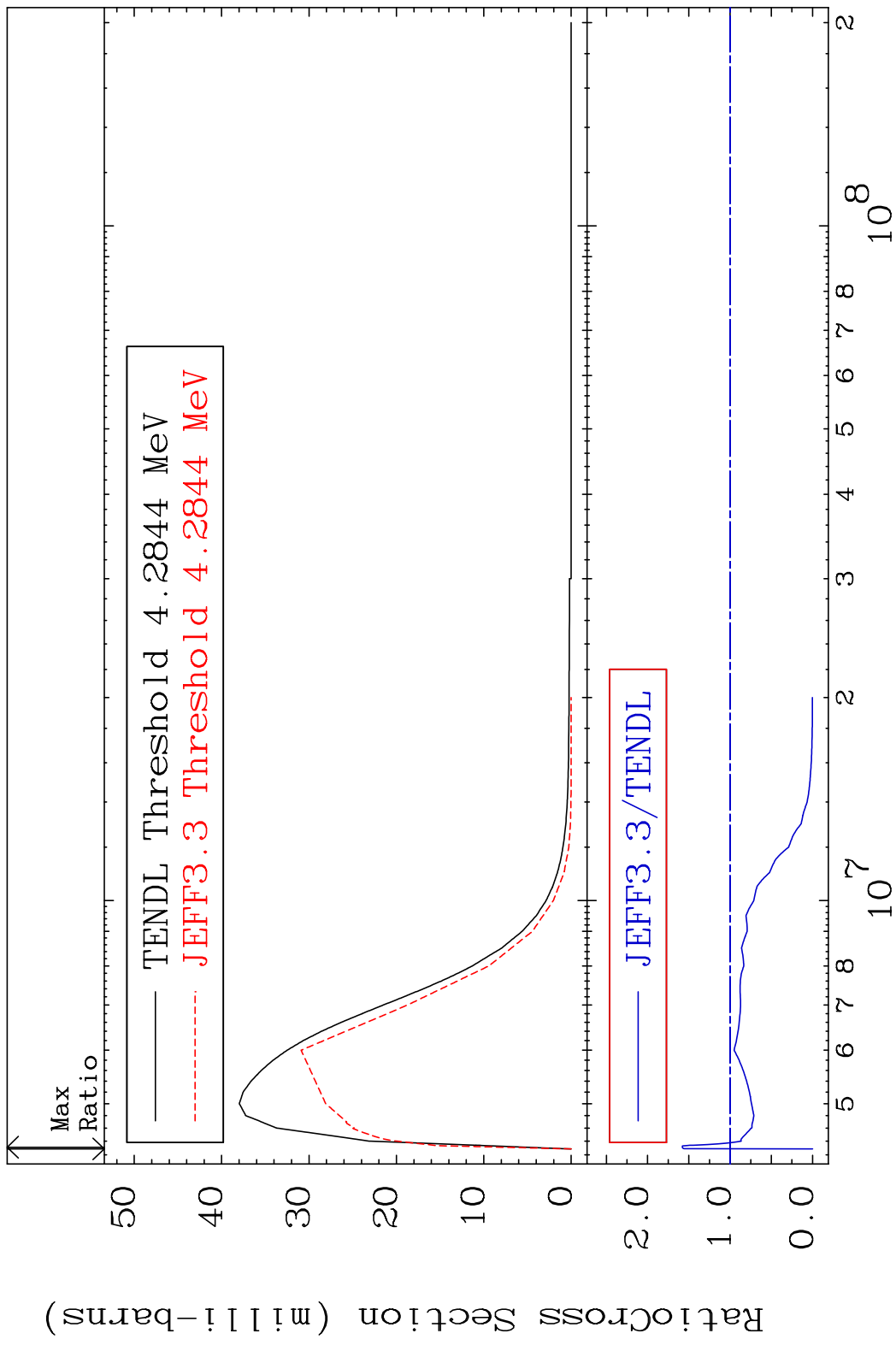
18-Ar-40

MAT 1837 MT= 63 (n, n') Level 18-Ar-40
 Cross Section -29.83 To 9889. %

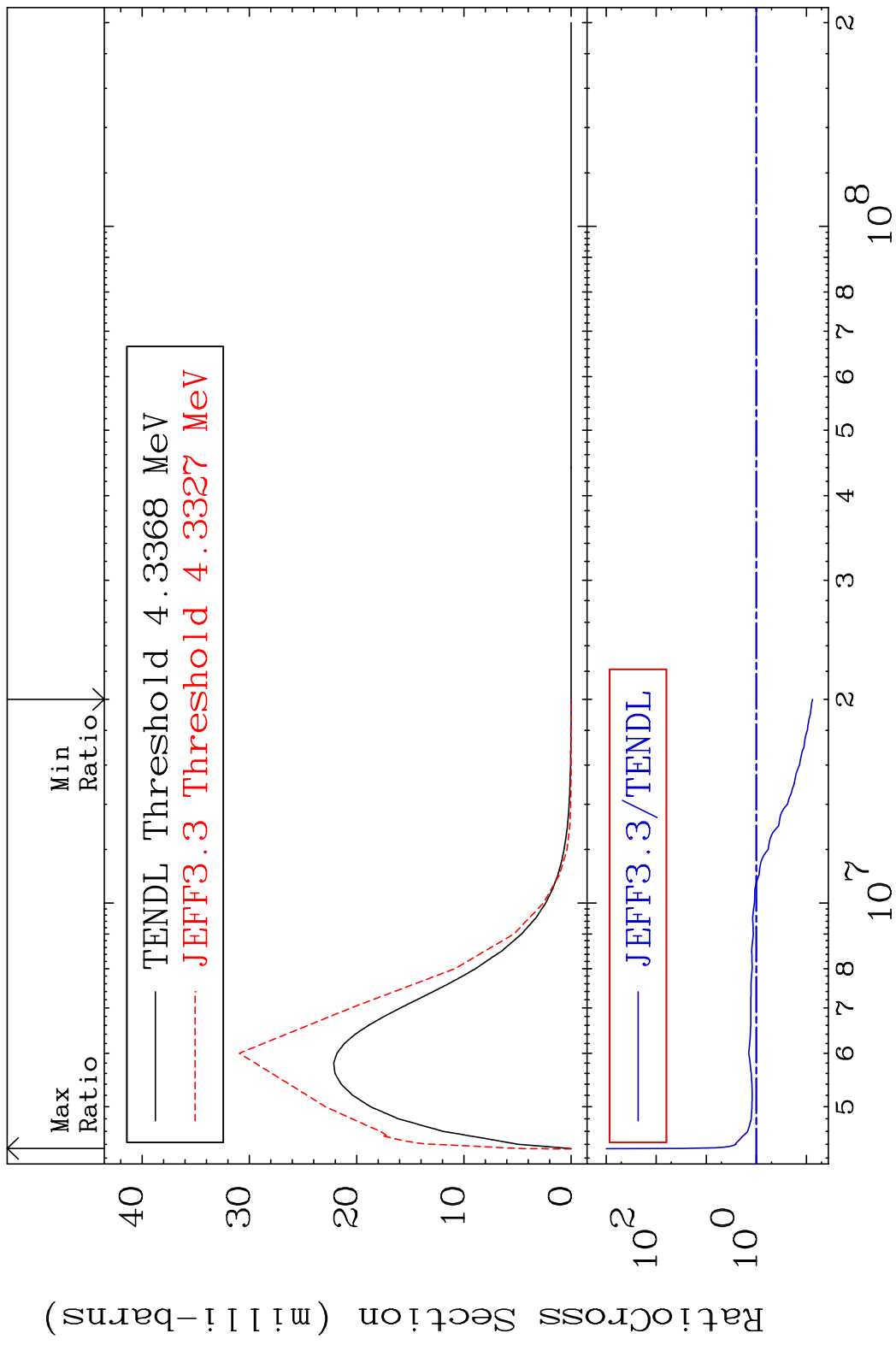


20 Incident Energy (eV) 18-Ar-40

MAT 1837 MT= 64 (n, n') Level 18-Ar-40
 Cross Section -100.0 To 57.85 %



MAT 1837 MT= 65 (n, n') Level 18-Ar-40
 Cross Section -92.45 To 2906. %

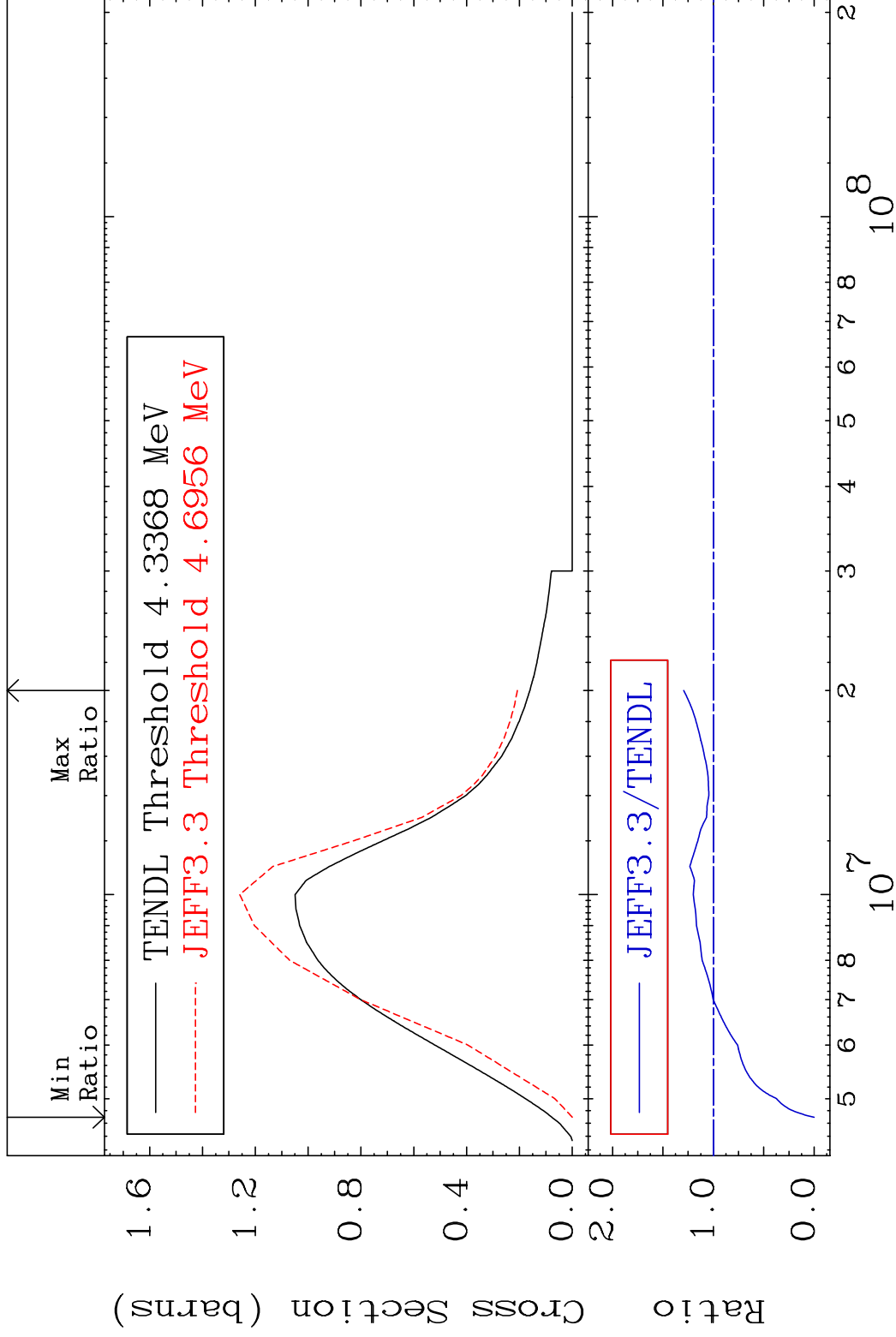


MAT 1837

(n,n') Continuum

18-Ar-40

Cross Section -100.0 To 29.44 %



23

Incident Energy (eV)

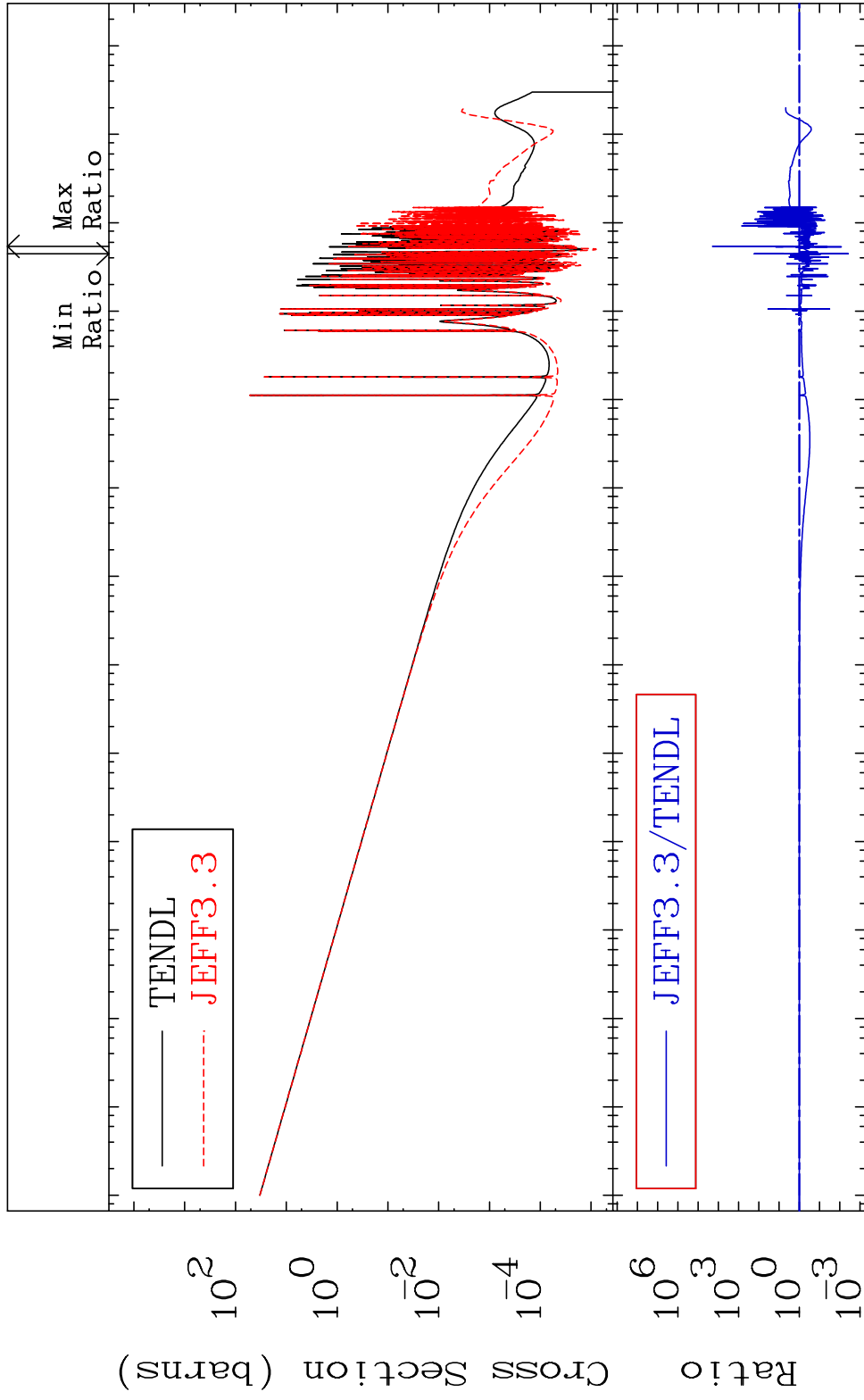
18-Ar-40

MAT 1837

(n, γ)

18-Ar-40

Cross Section -99.62 To 9999. %



24

Incident Energy (eV)

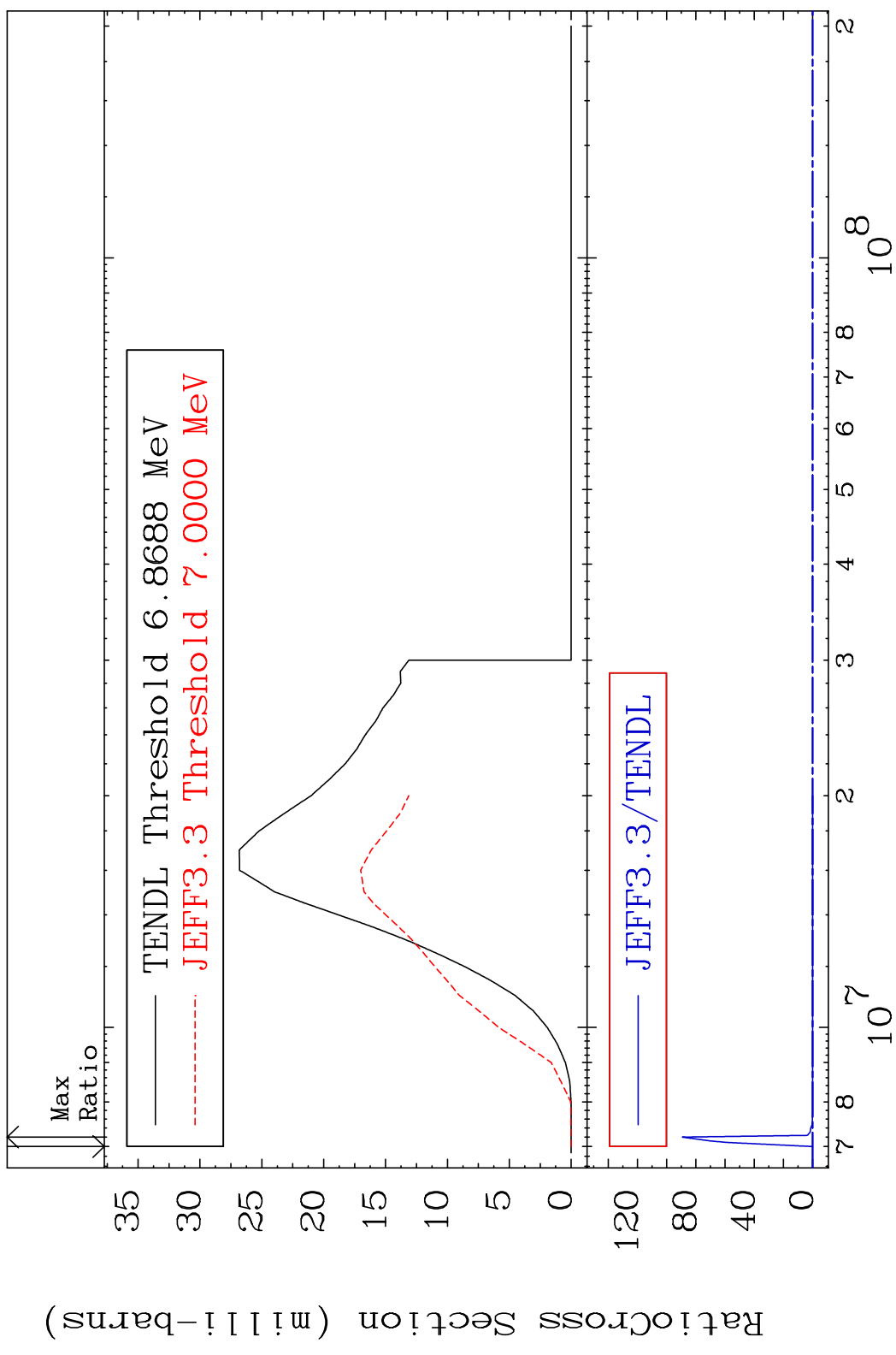
18-Ar-40

MAT 1837

(n,p)

18-Ar-40

Cross Section -100.0 To 9999. %



25

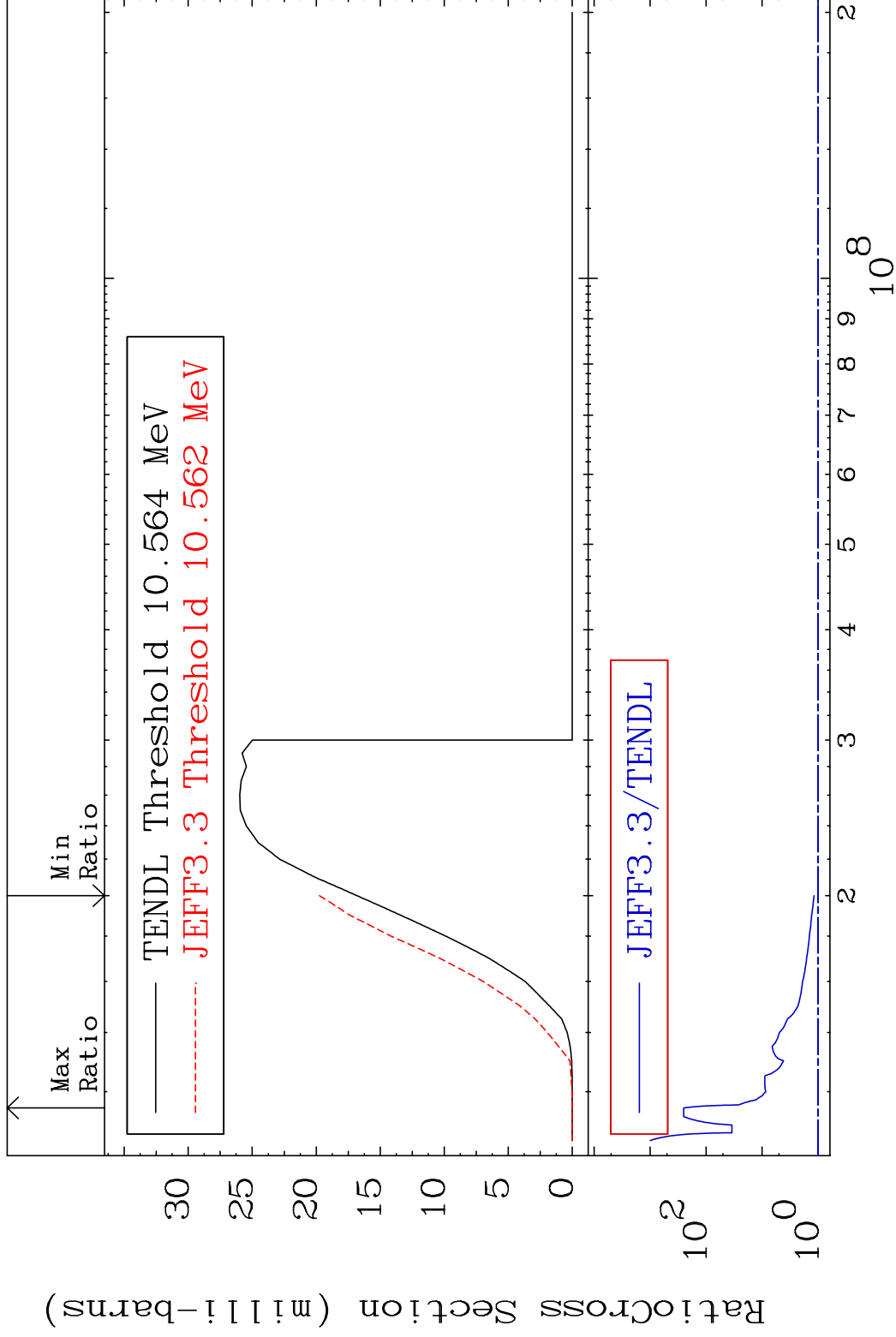
18-Ar-40

MAT 1837

(n, d)

18-Ar-40

Cross Section 17.41 To 9999. %



26

Incident Energy (eV)

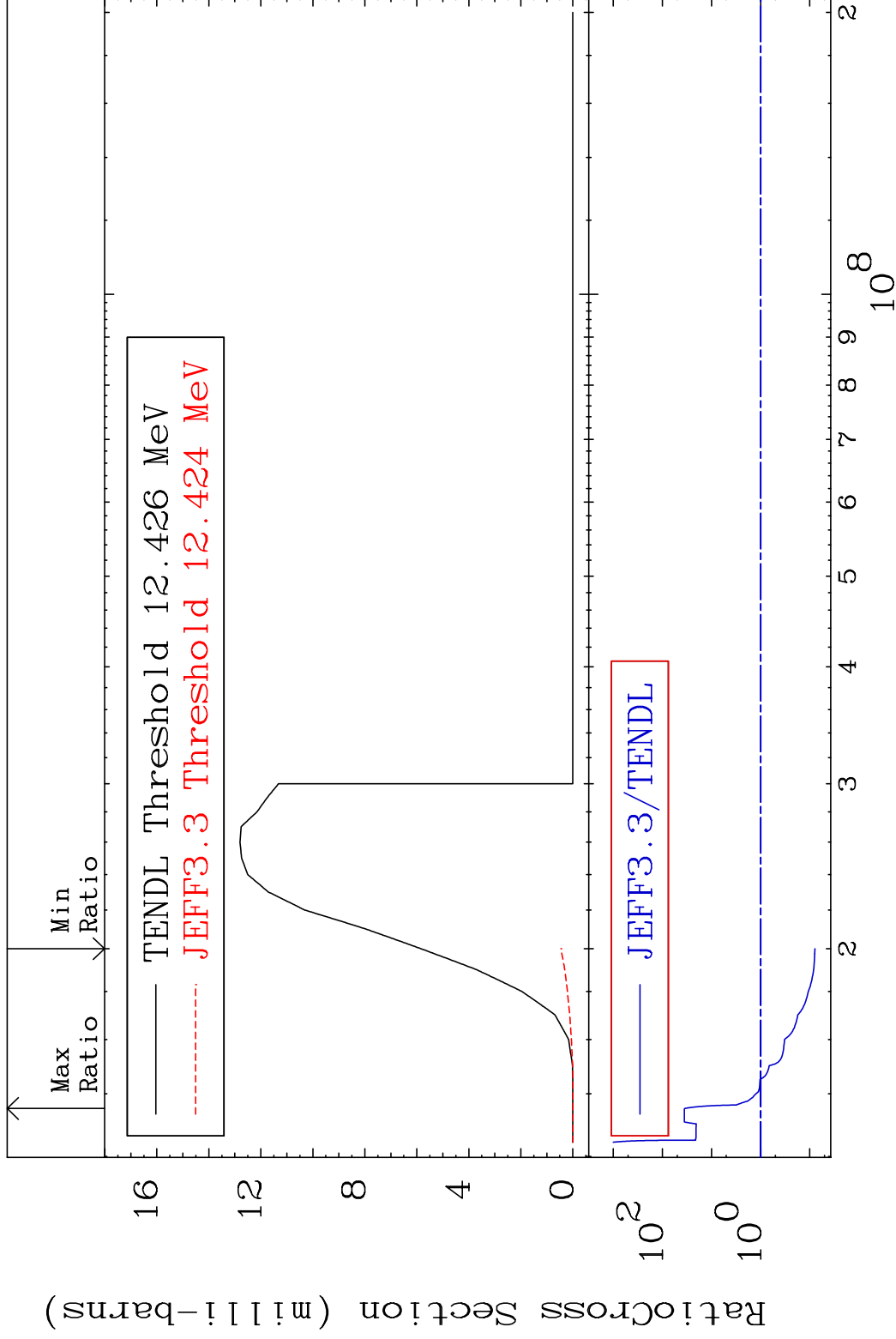
18-Ar-40

MAT 1837

(n, t)

18-Ar-40

Cross Section -92.14 To 3475. %



27

Incident Energy (eV)

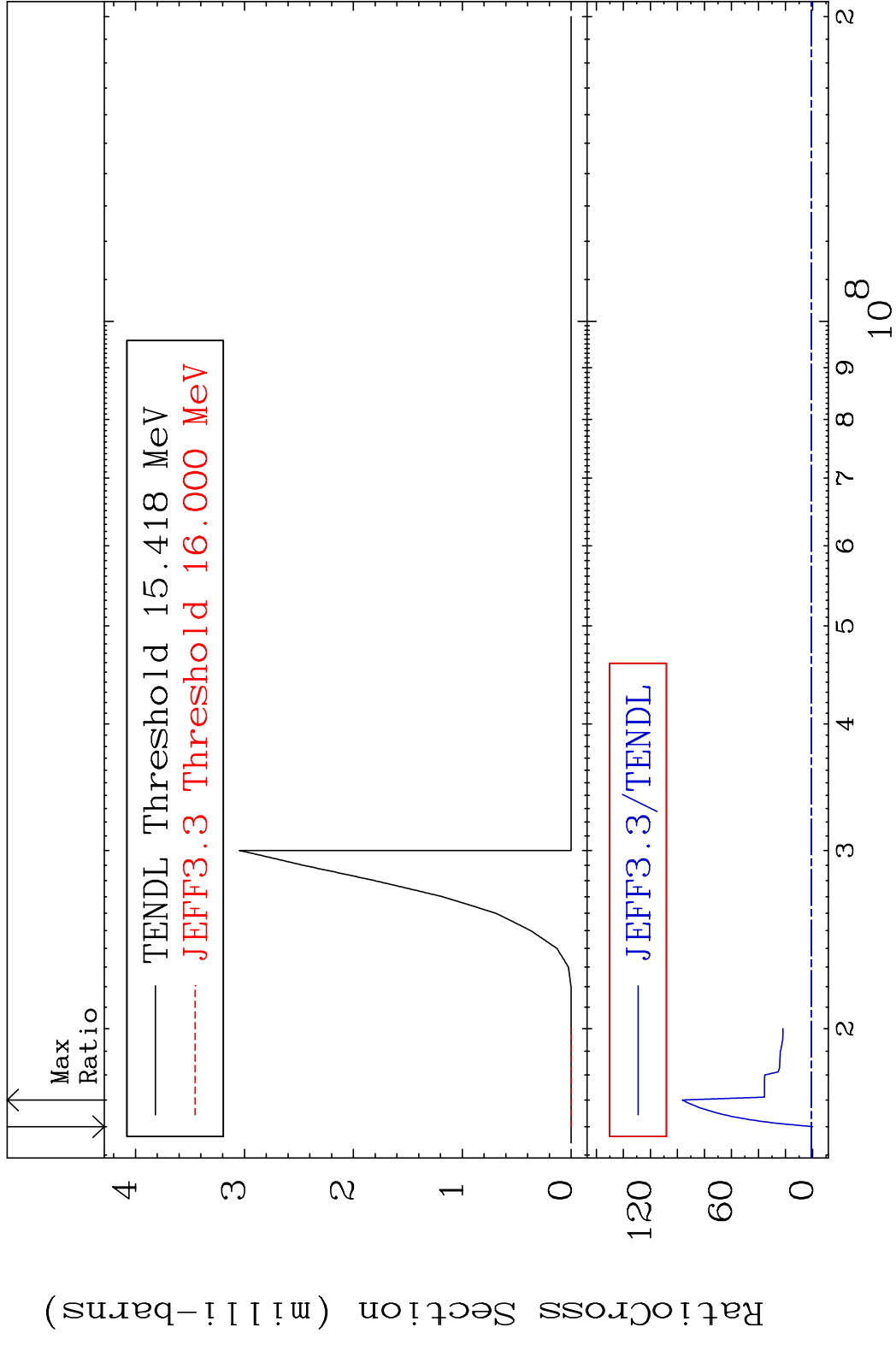
18-Ar-40

MAT 1837

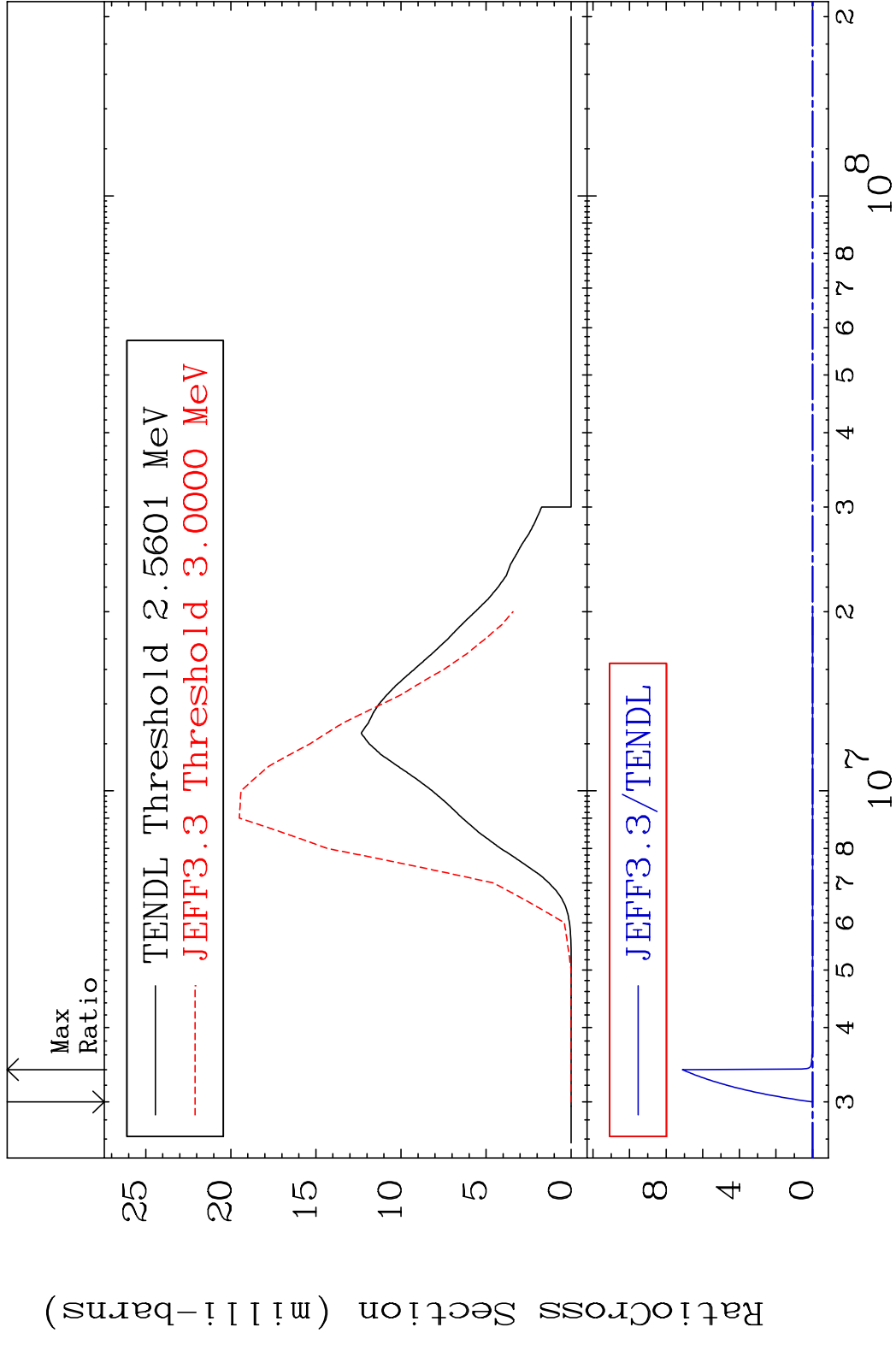
(n, He-3)

18-Ar-40

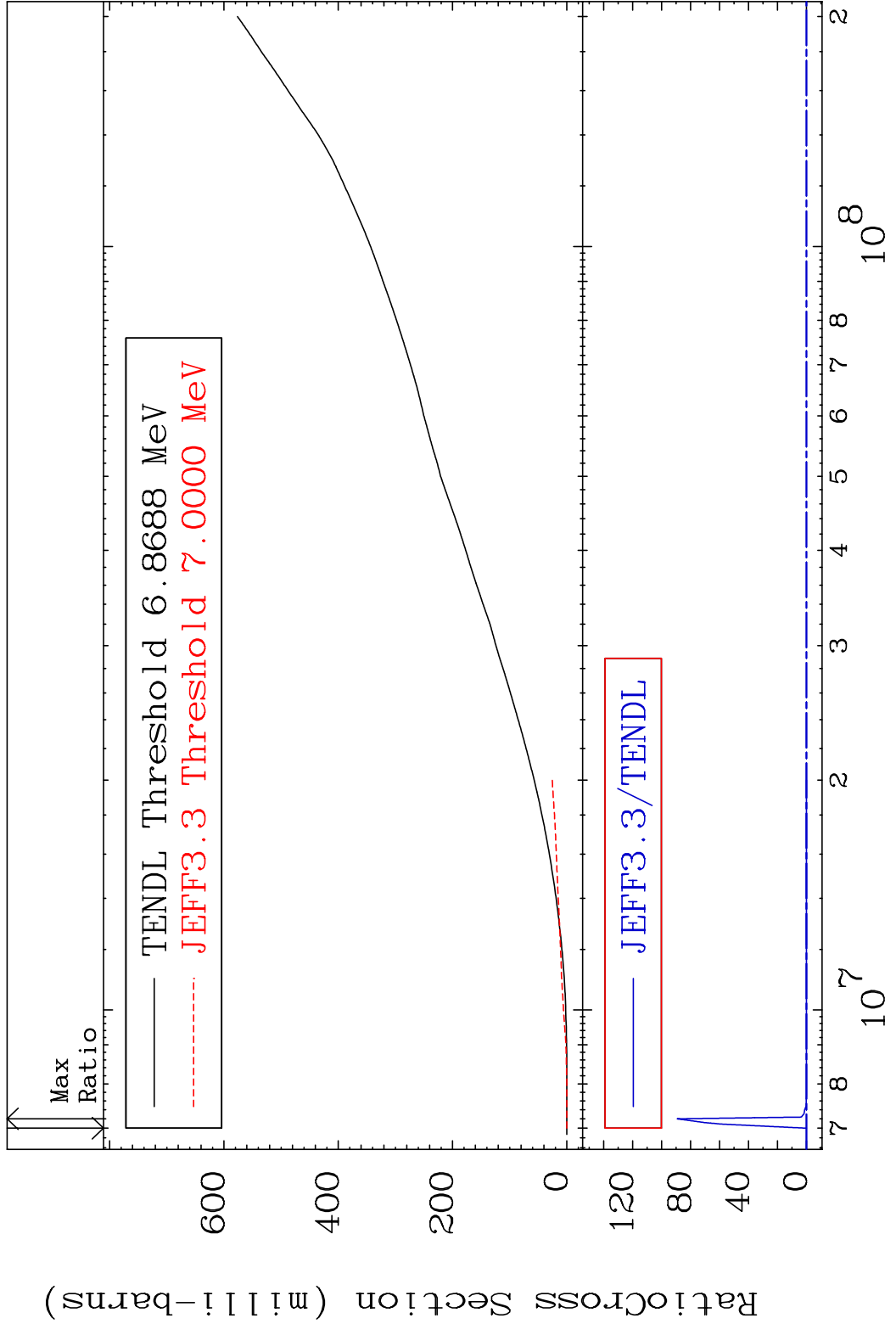
Cross Section -100.0 To 9533. %



MAT 1837 (n, α) 18-Ar-40
 Cross Section -100.0 To 9999. %



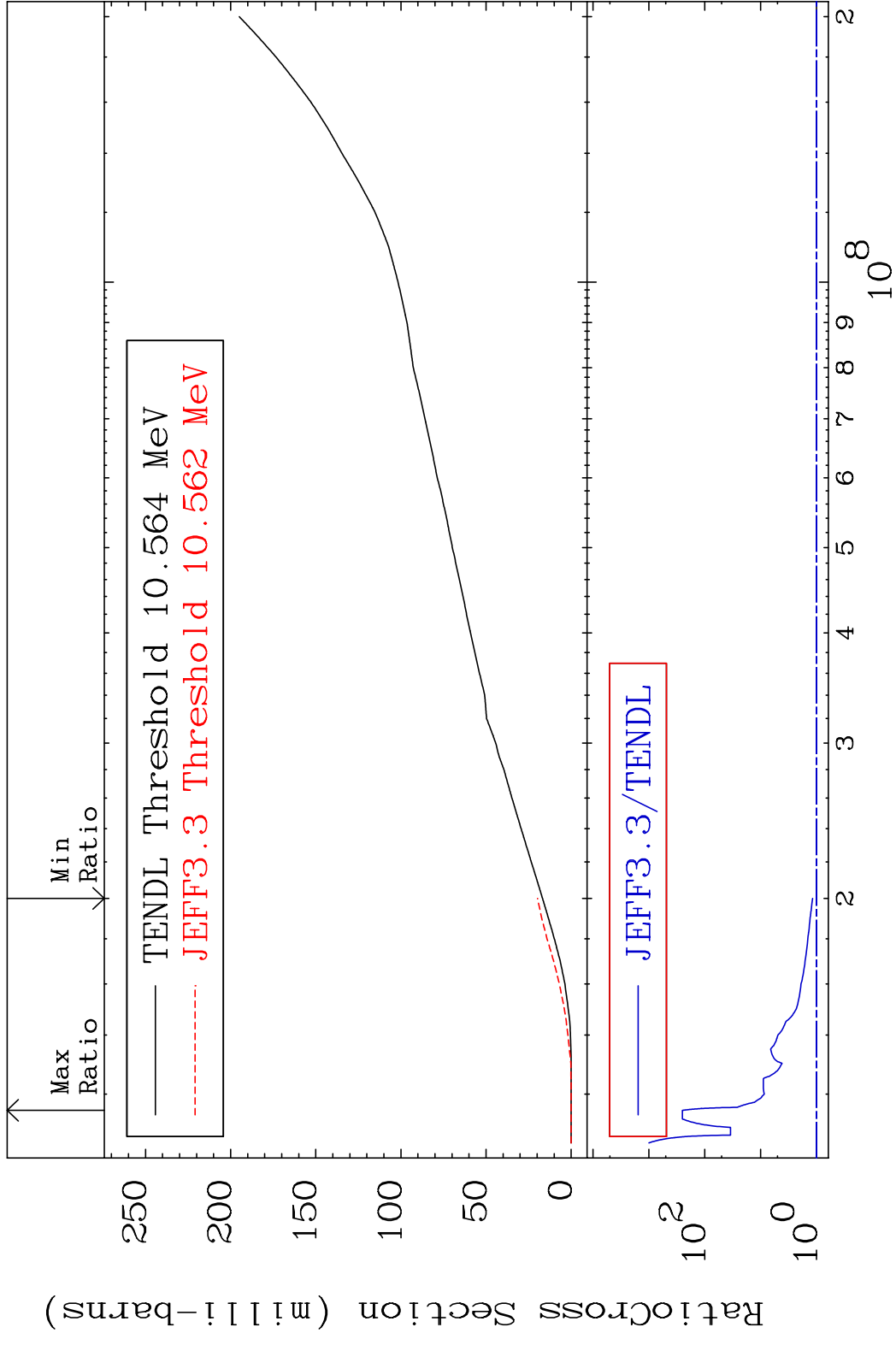
MAT 1837 Hydrogen Production 18-Ar-40
 Cross Section -100.0 To 9999. %



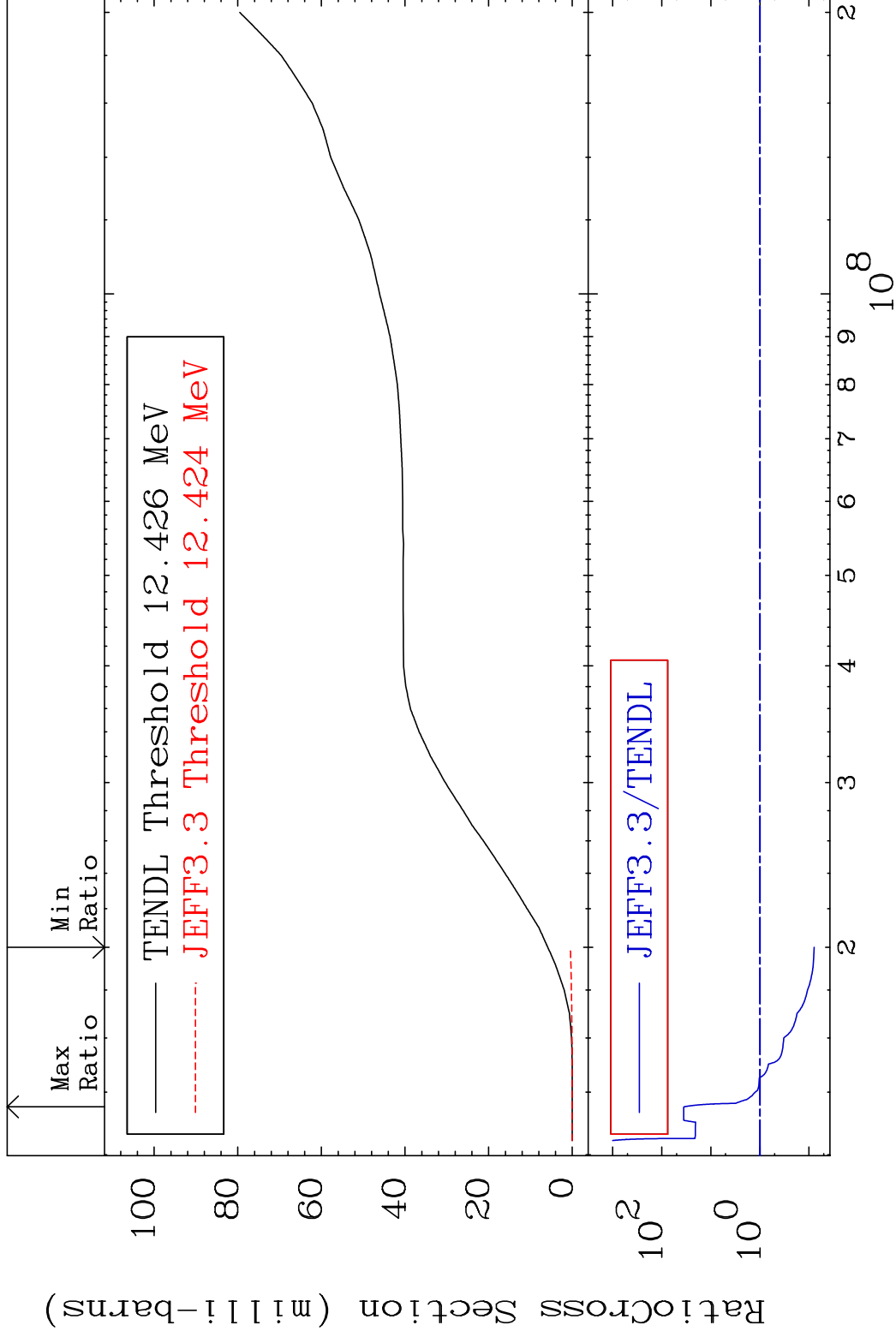
30 Incident Energy (eV) 18-Ar-40

MAT 1837

Deuterium Production 18-Ar-40
Cross Section 17.41 To 9999. %



Cross Section -92.14 To 3475. %

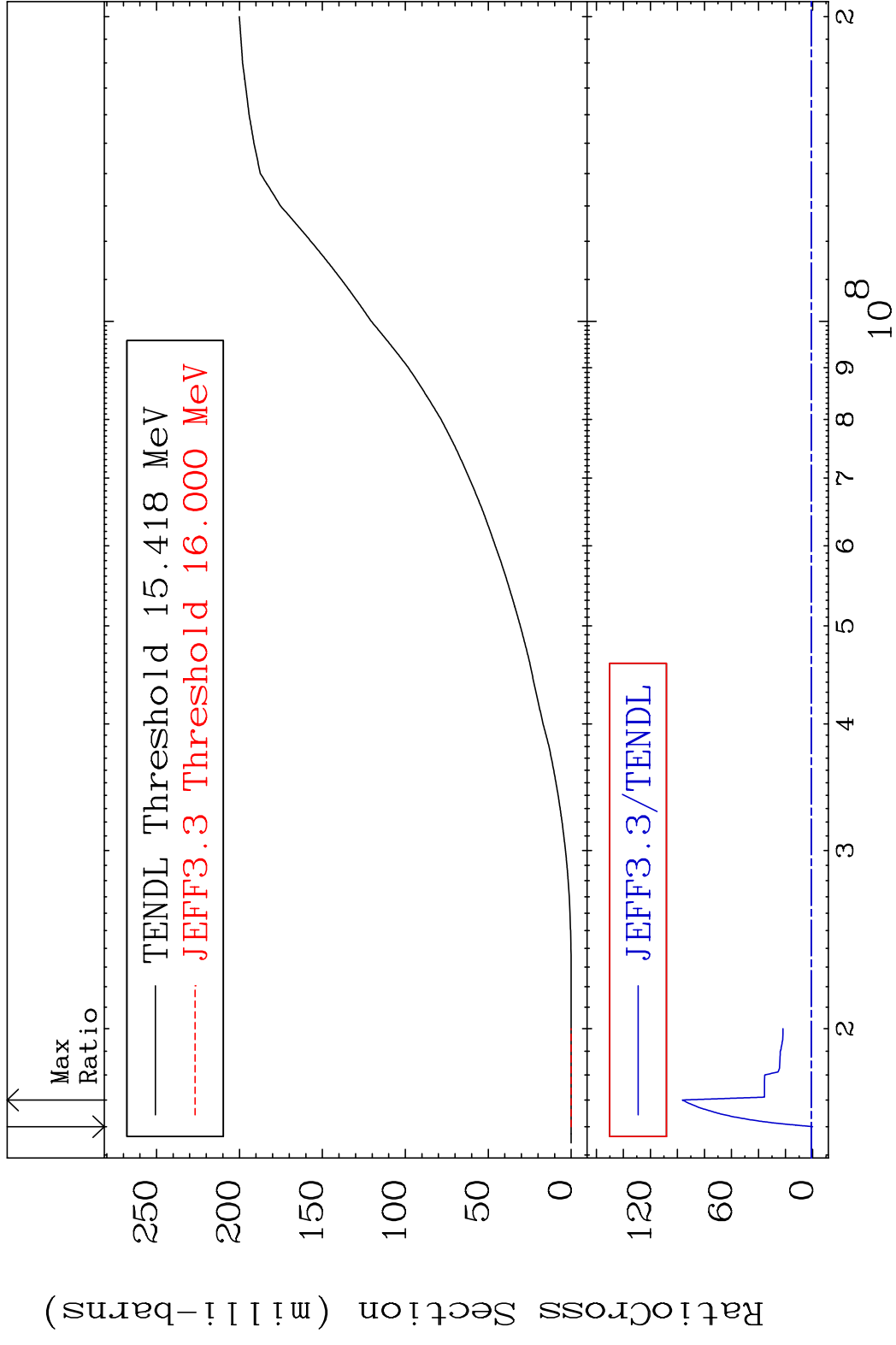


MAT 1837

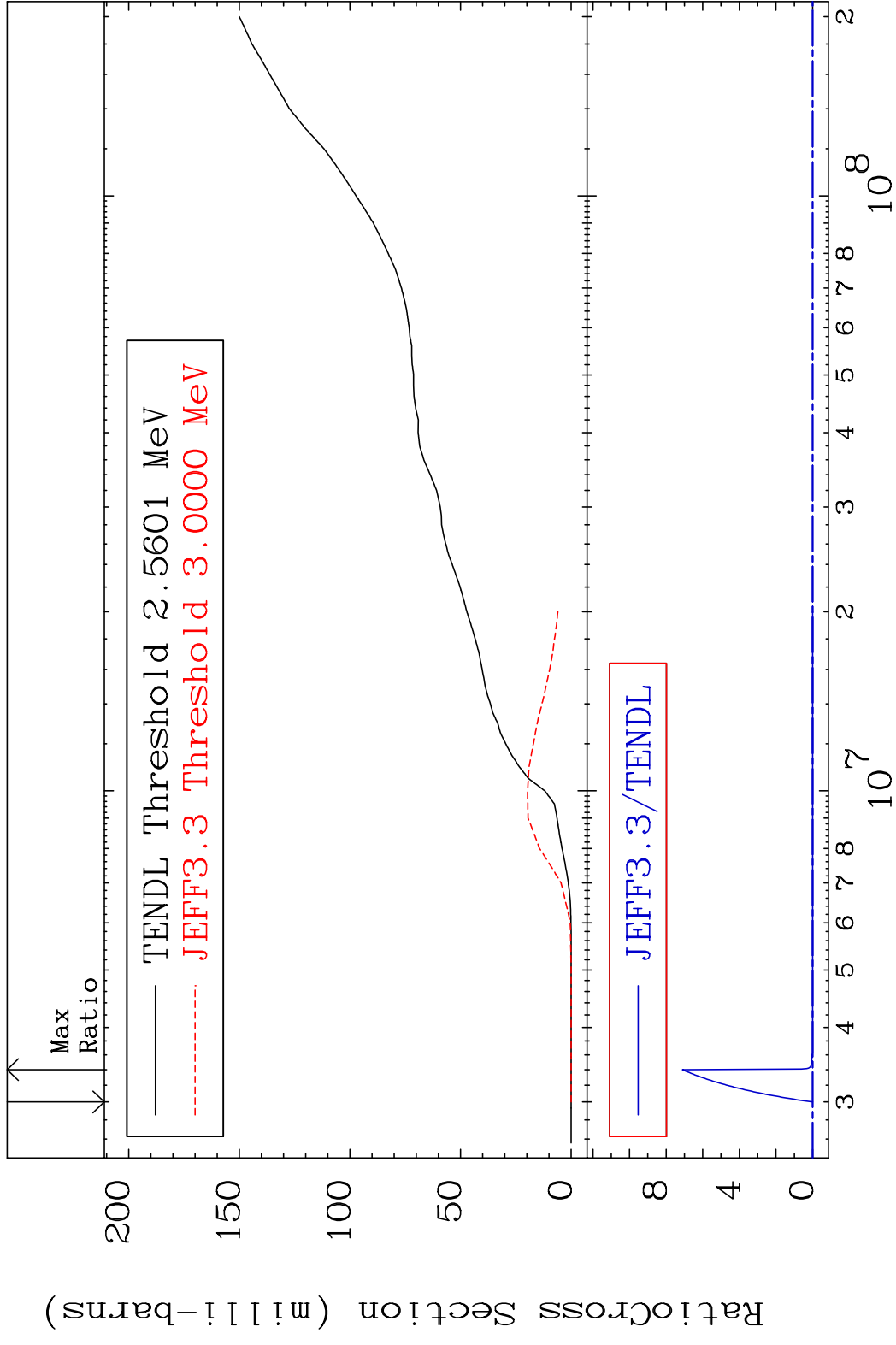
He-3 Production

18-Ar-40

Cross Section -100.0 To 9533. %

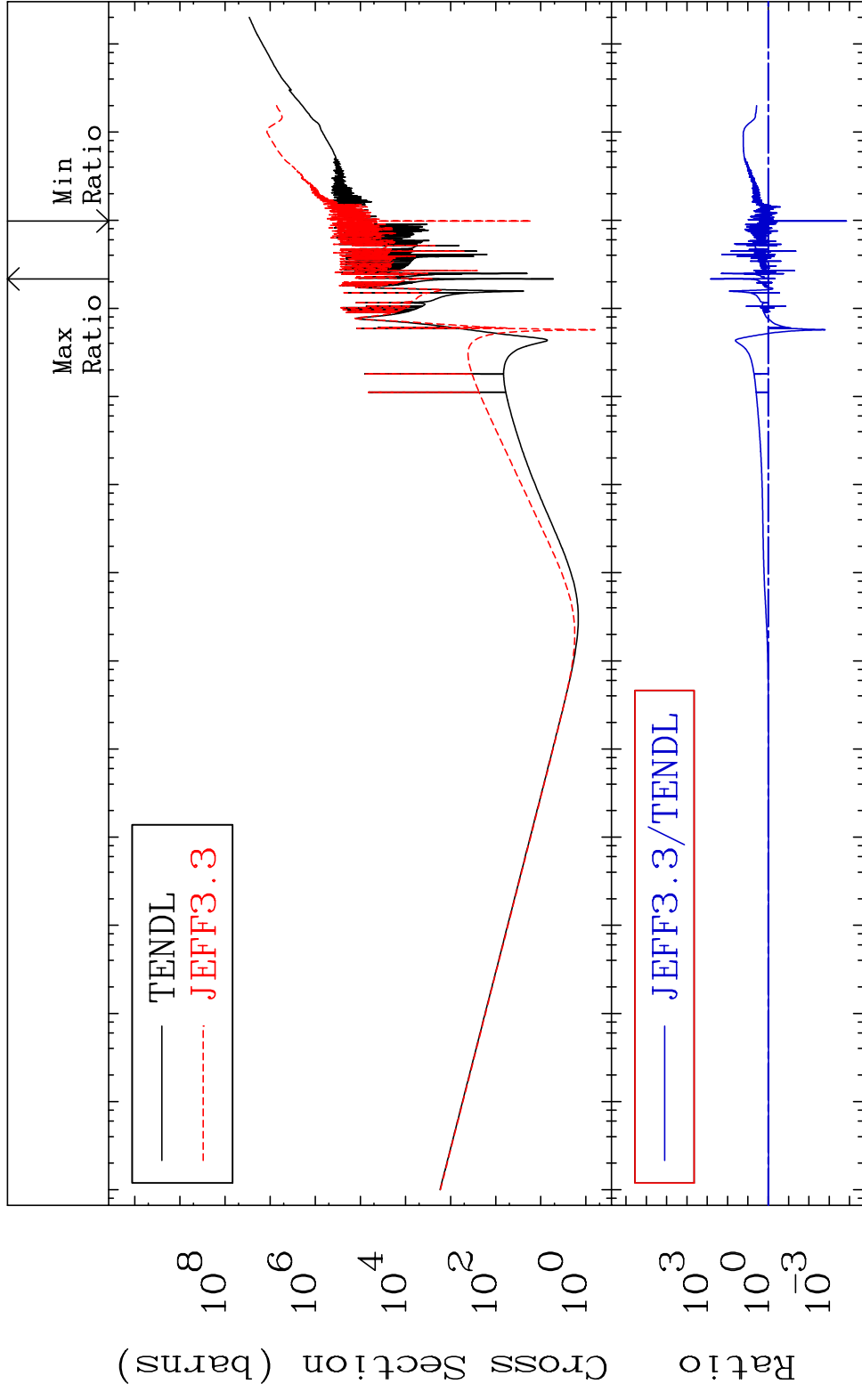


MAT 1837 He-4 Production 18-Ar-40
 Cross Section -100.0 To 9999. %



34 18-Ar-40

MAT 1837 Kerma total (eV-barns) 18-Ar-40
 Cross Section -99.99 To 9999. %



Ratio
 10^3
 10^0
 10^{-3}

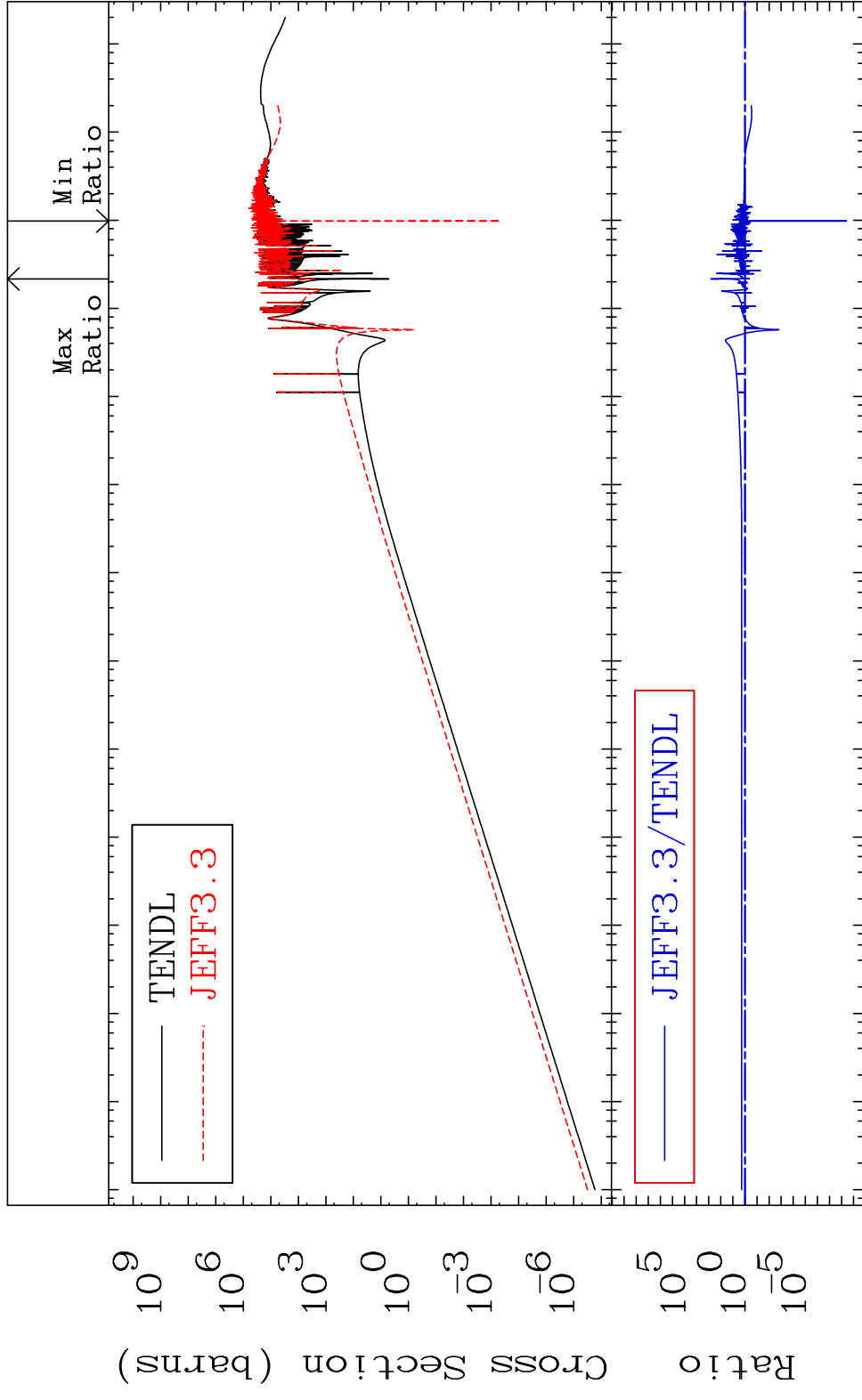
Incident Energy (eV)

18-Ar-40

MAT 1837

Kerma elastic
Cross Section

18-Ar-40
-100.0 To 9999. %



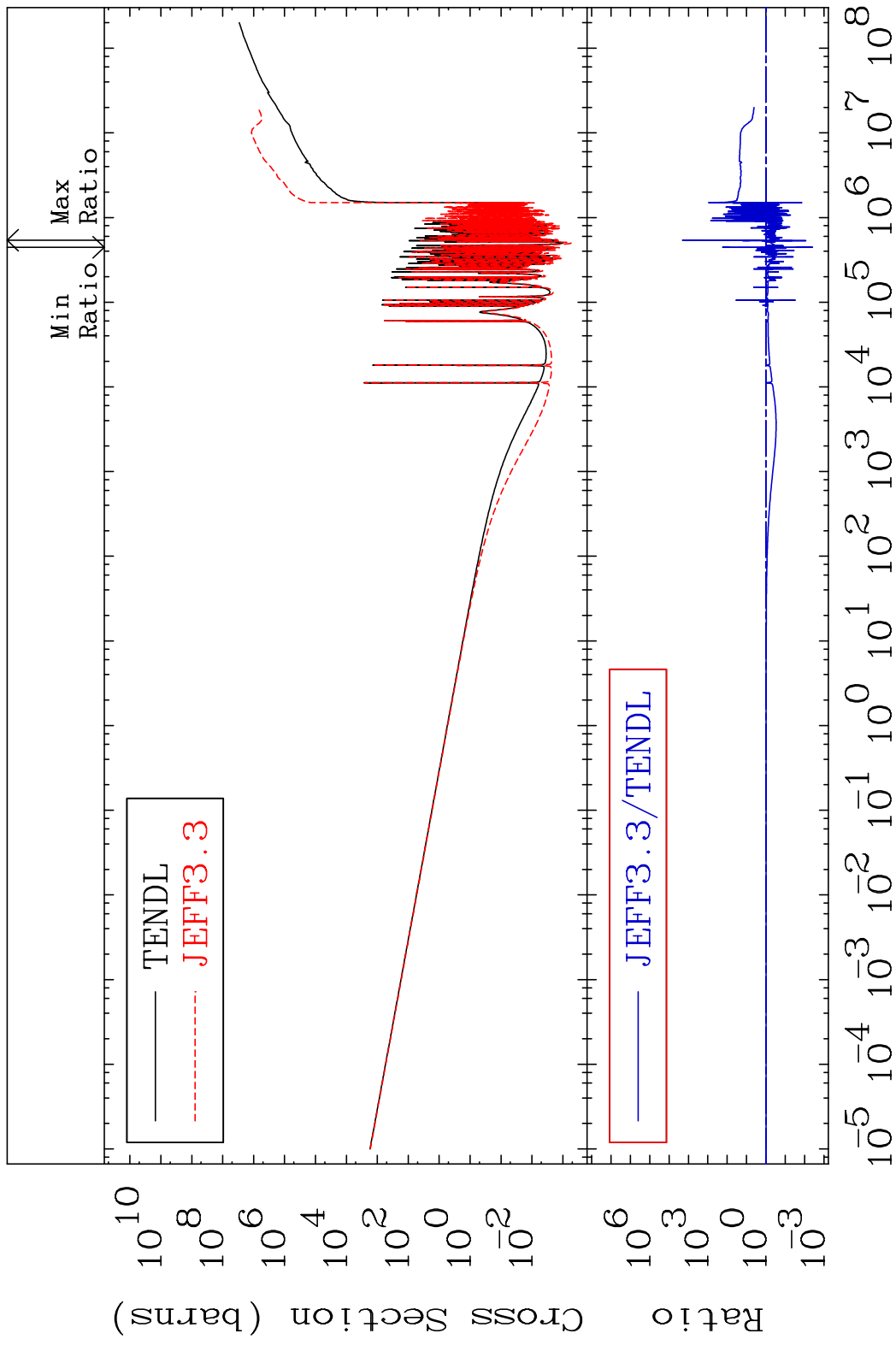
Ratio
10⁹
10⁶
10³
10⁰
10⁻³
10⁻⁶
10⁵
10⁰
10⁻⁵
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

36

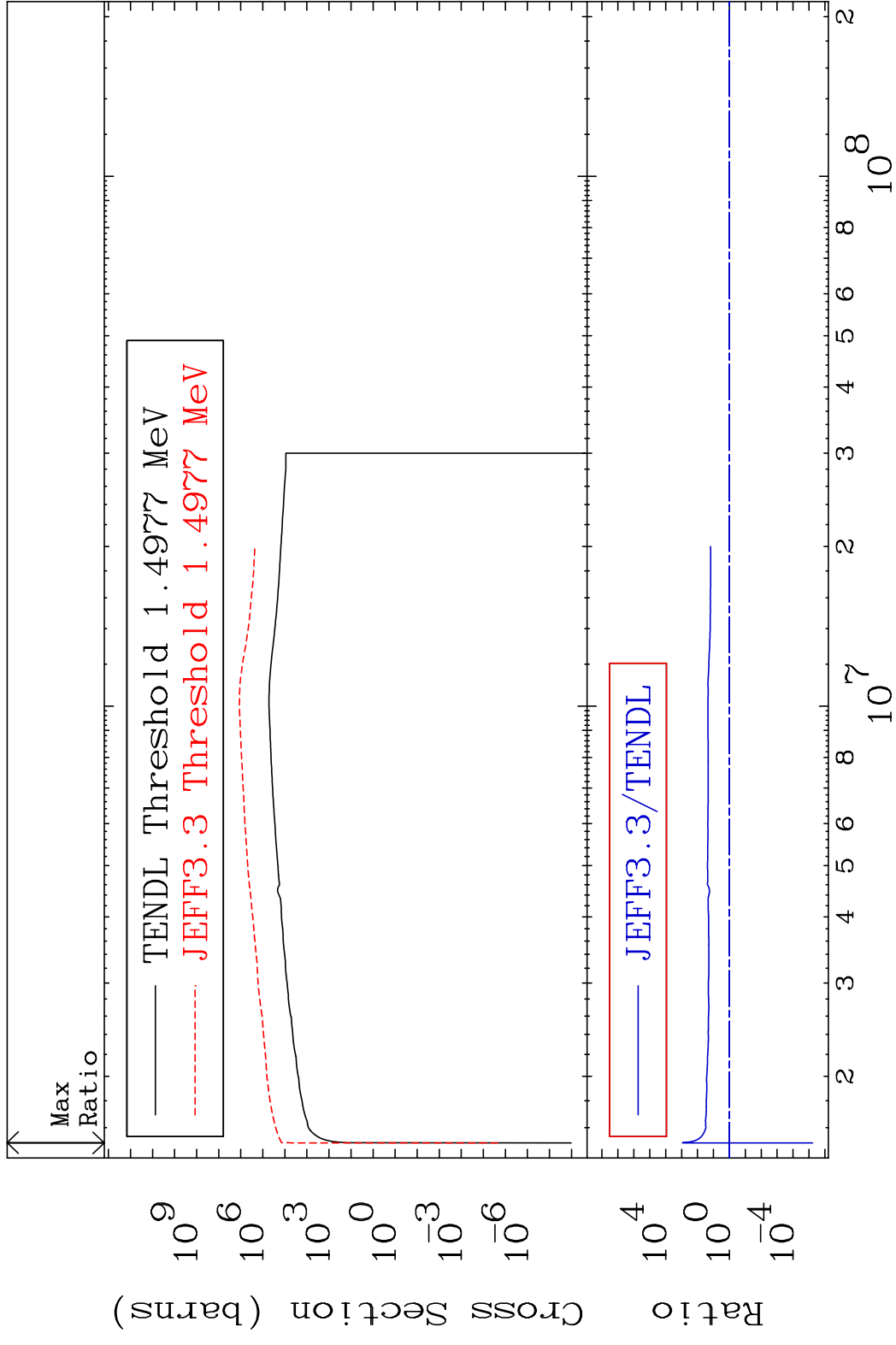
Incident Energy (eV)

18-Ar-40

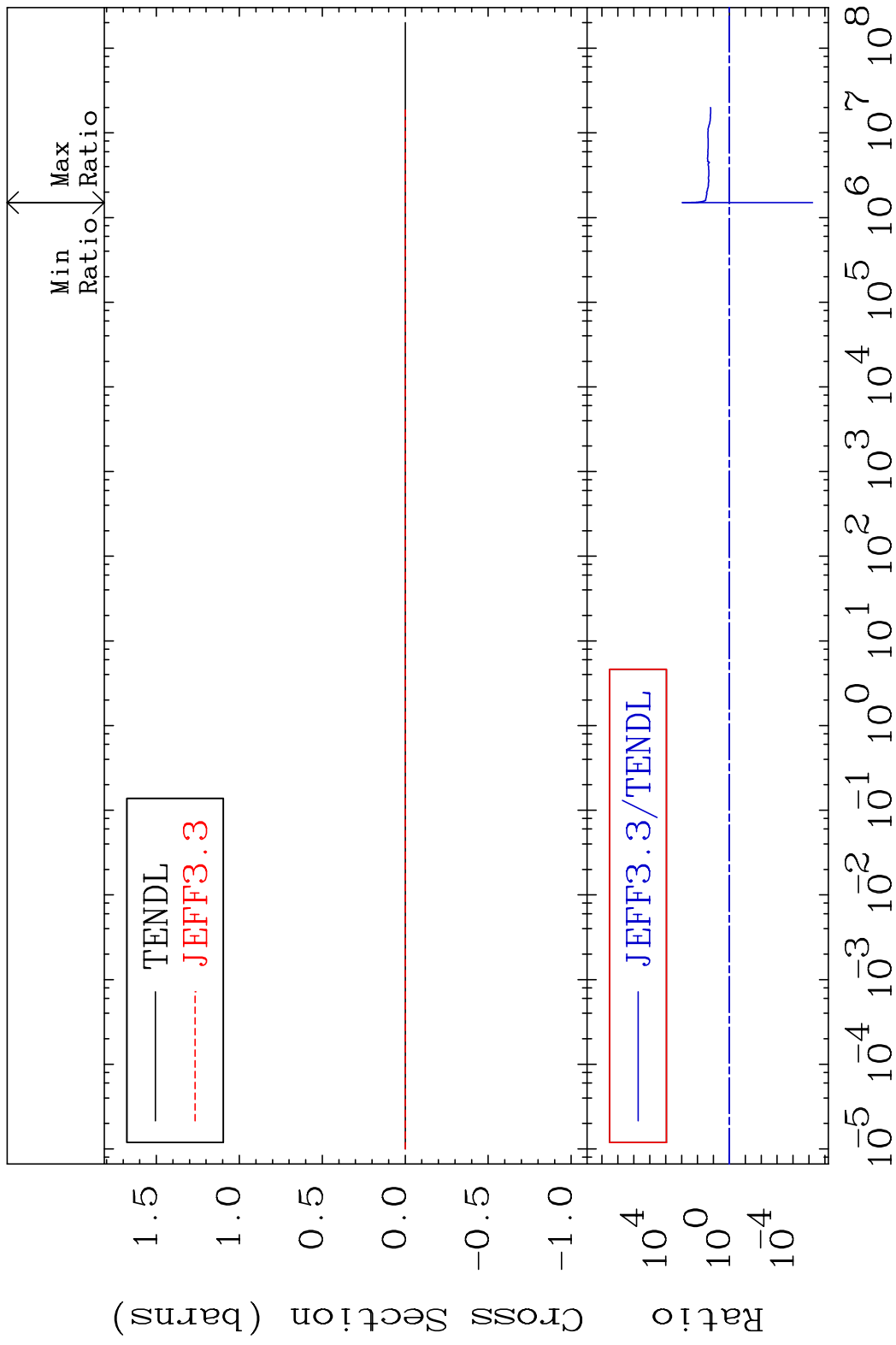
MAT 1837 Kerma non-elastic (all but mt2) 18-Ar-40
 Cross Section -99.61 To 9999. %



MAT 1837 Kerma inelastic (mt51-91) 18-Ar-40
 Cross Section -100.0 To 9999. %

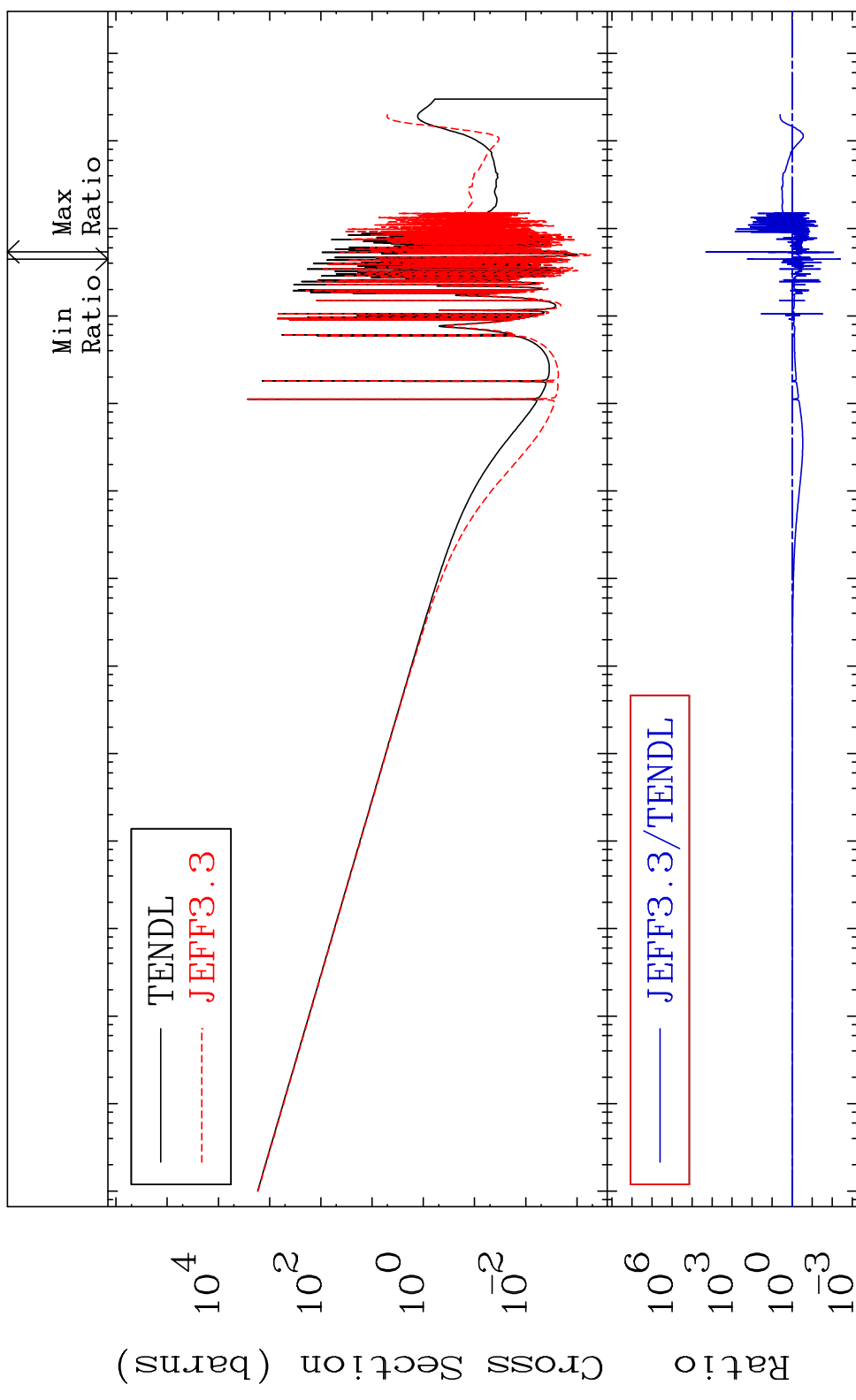


MAT 1837 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-40
 Cross Section -100.0 To 9999. %



MAT 1837

Kerma capture (mt102) 18-Ar-40
Cross Section -99.61 To 9999. %



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Incident Energy (eV)

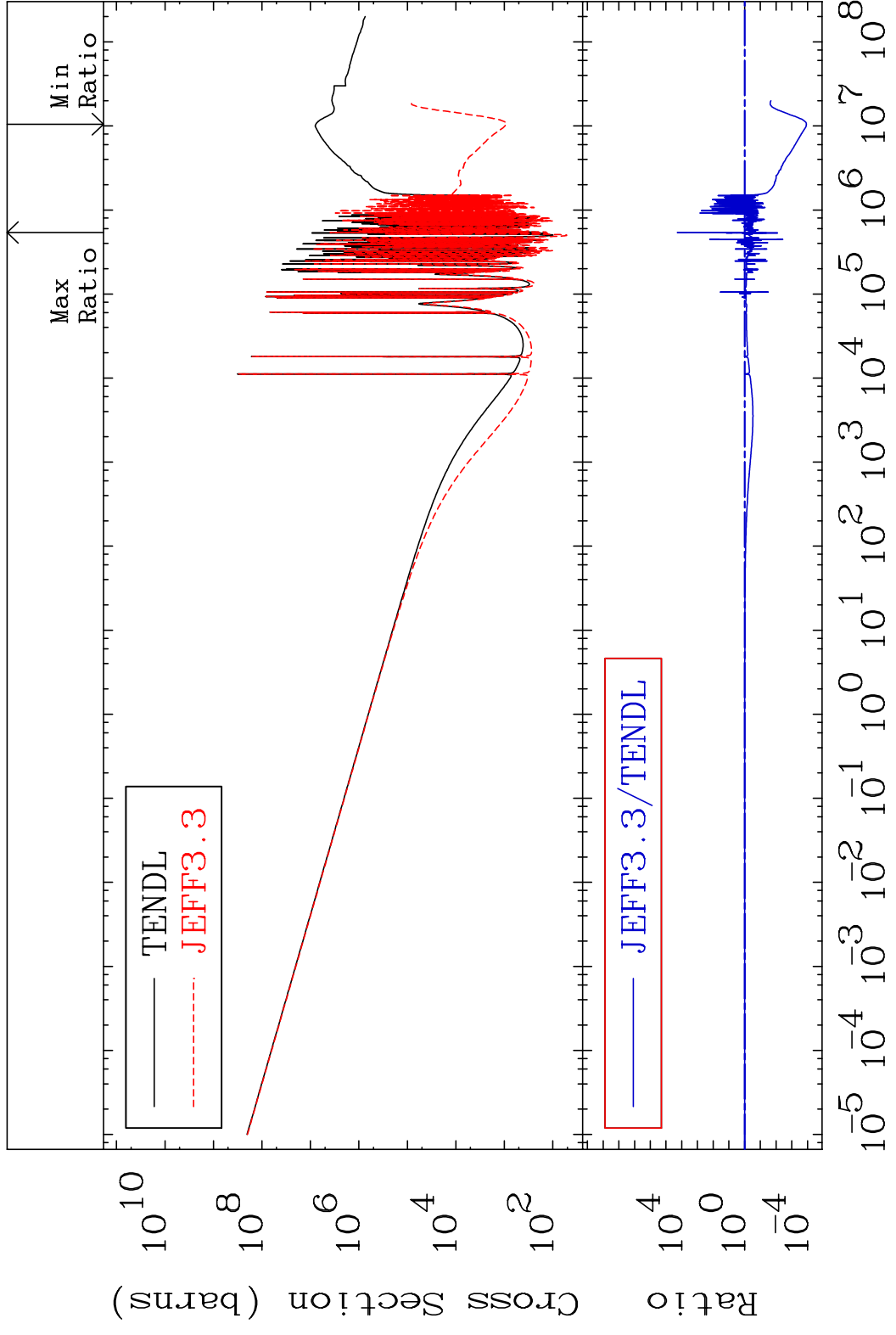
18-Ar-40

MAT 1837

Total photon (eV-barns)

18-Ar-40

Cross Section -99.99 To 9999. %

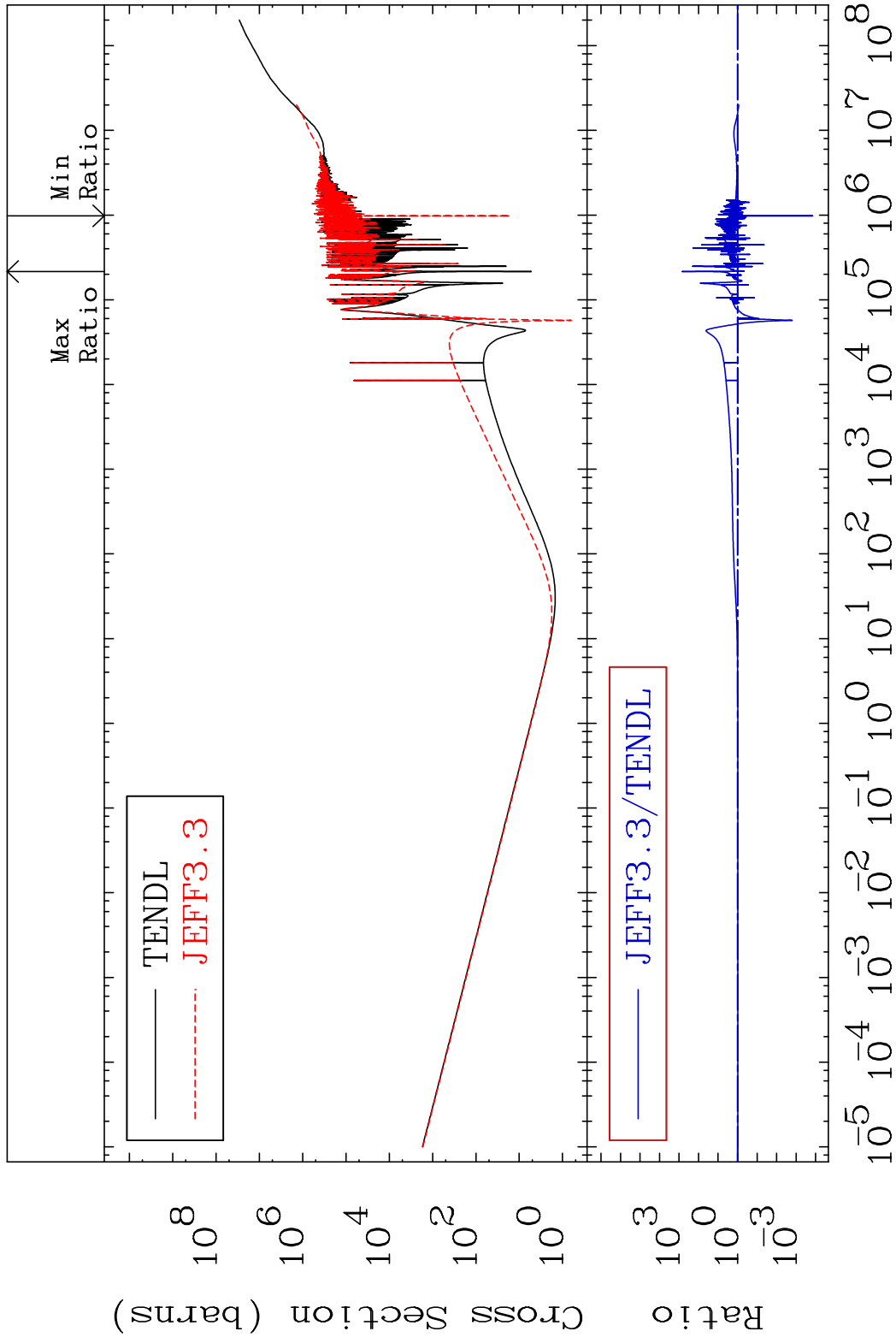


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Incident Energy (eV)

18-Ar-40

MAT 1837 Total kinematic kerma (high limit) 18-Ar-40
 Cross Section -99.99 To 9999. %

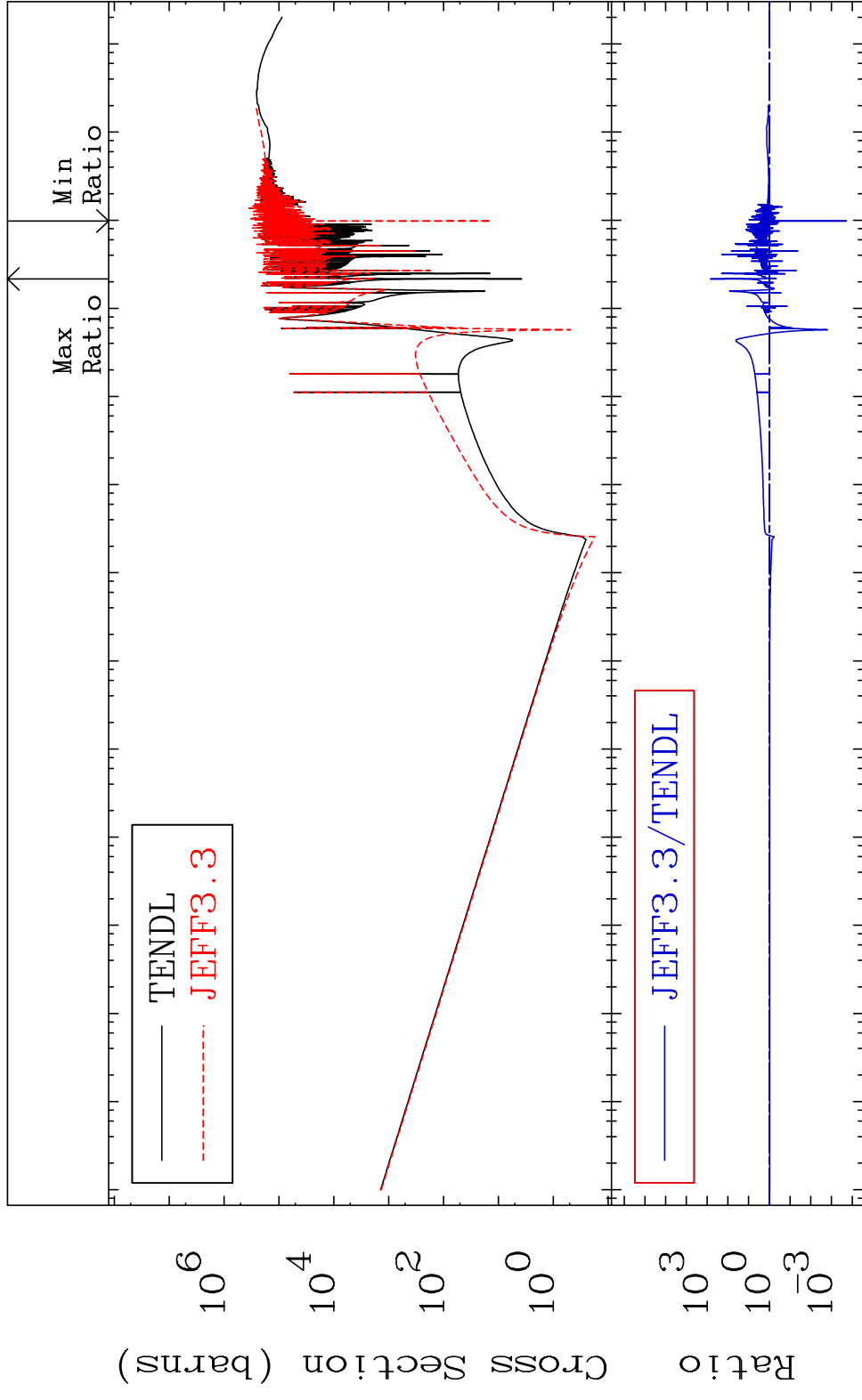


MAT 1837

Dpa total (eV-barns)

18-Ar-40

Cross Section -99.98 To 9999. %



43

Incident Energy (eV)

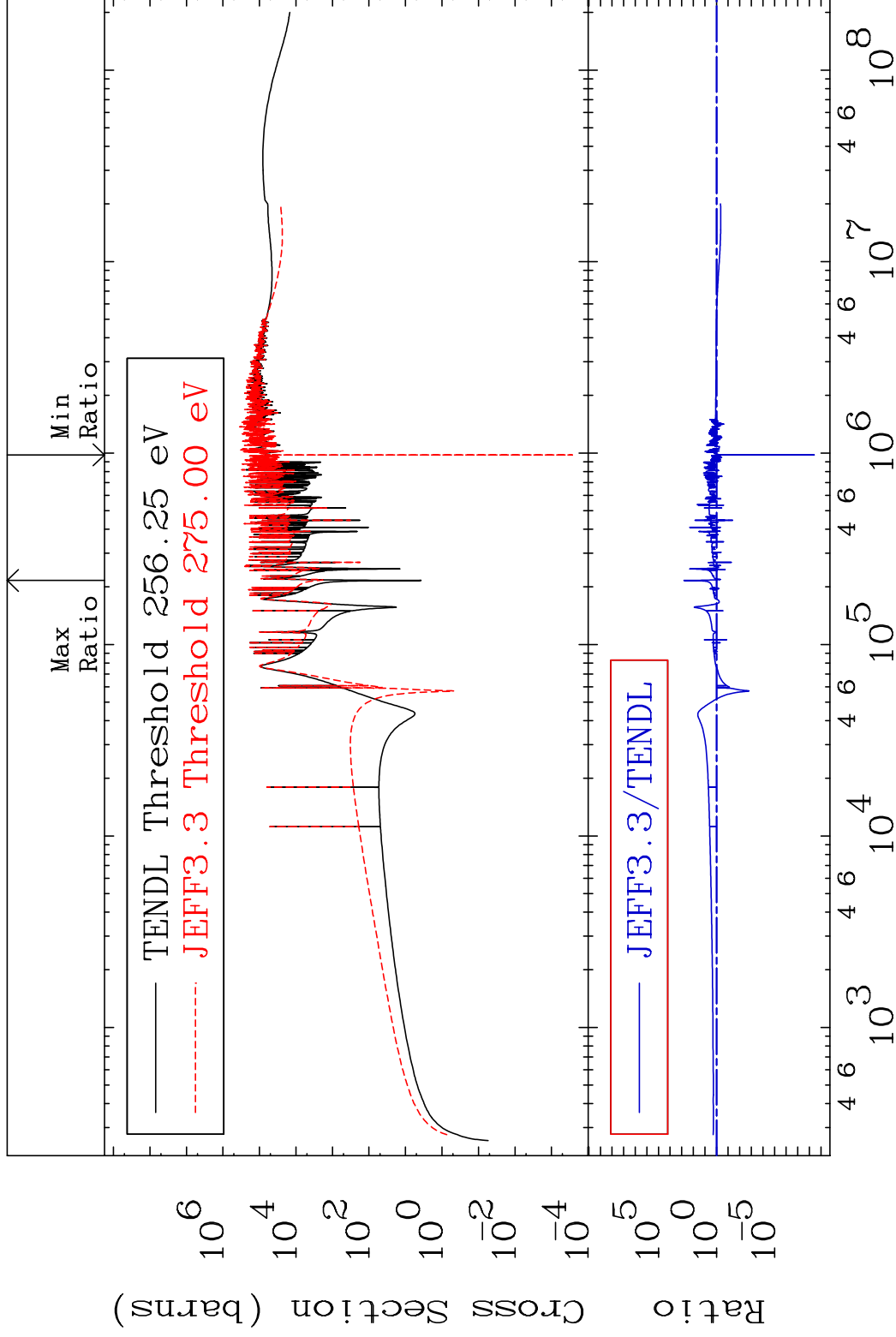
18-Ar-40

MAT 1837

Dpa elastic (mt2)

18-Ar-40

Cross Section -100.0 To 9999. %

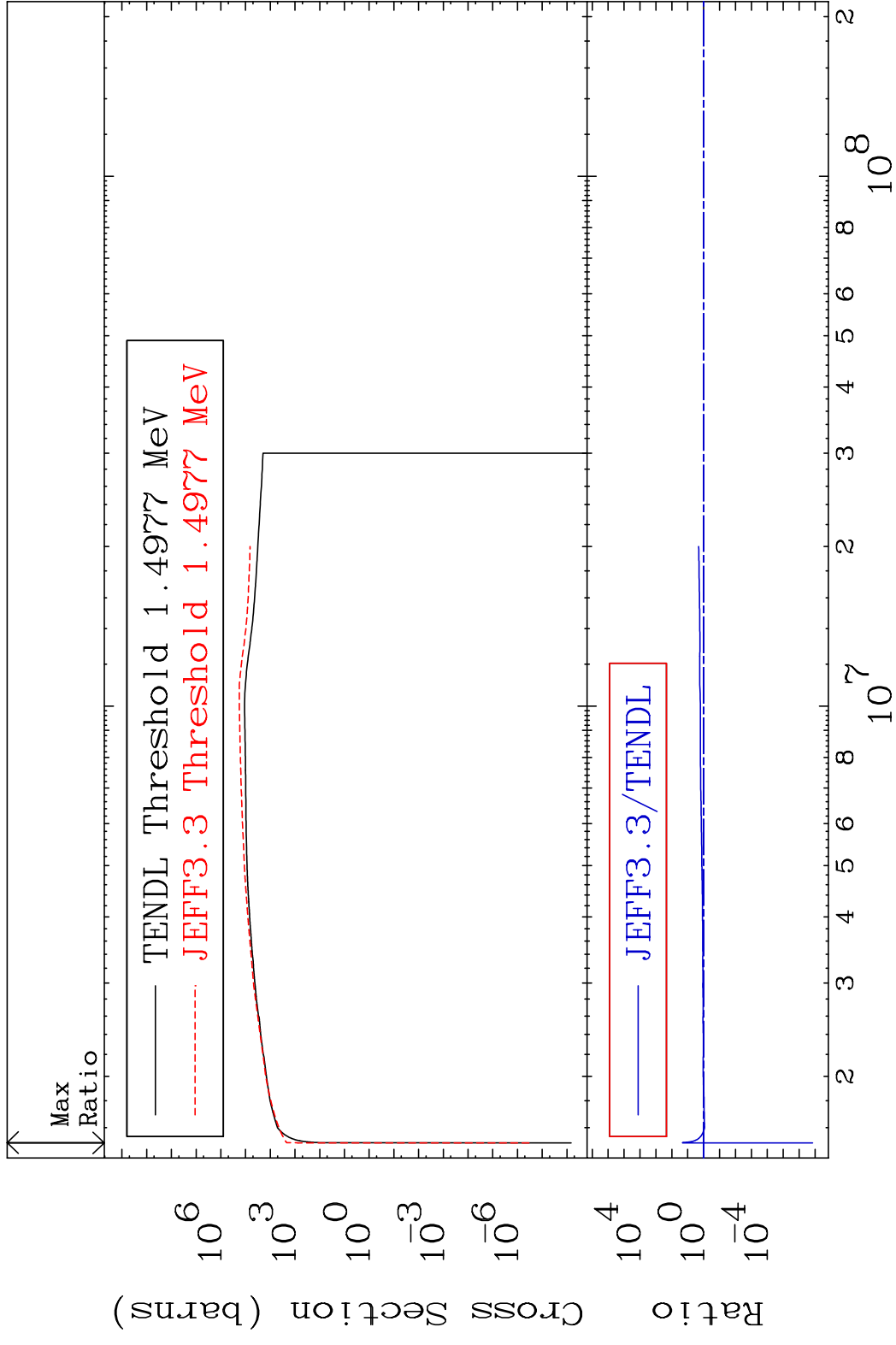


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Incident Energy (eV)

18-Ar-40

MAT 1837 Dpa inelastic (mt51-91) 18-Ar-40
 Cross Section -100.0 To 2073. %



MAT 1837 Dpa disappearance (mt102 -120) 18-Ar-40
 Cross Section -99.61 To 9999. %

