

Program Complot
(Version 2021-1)

by

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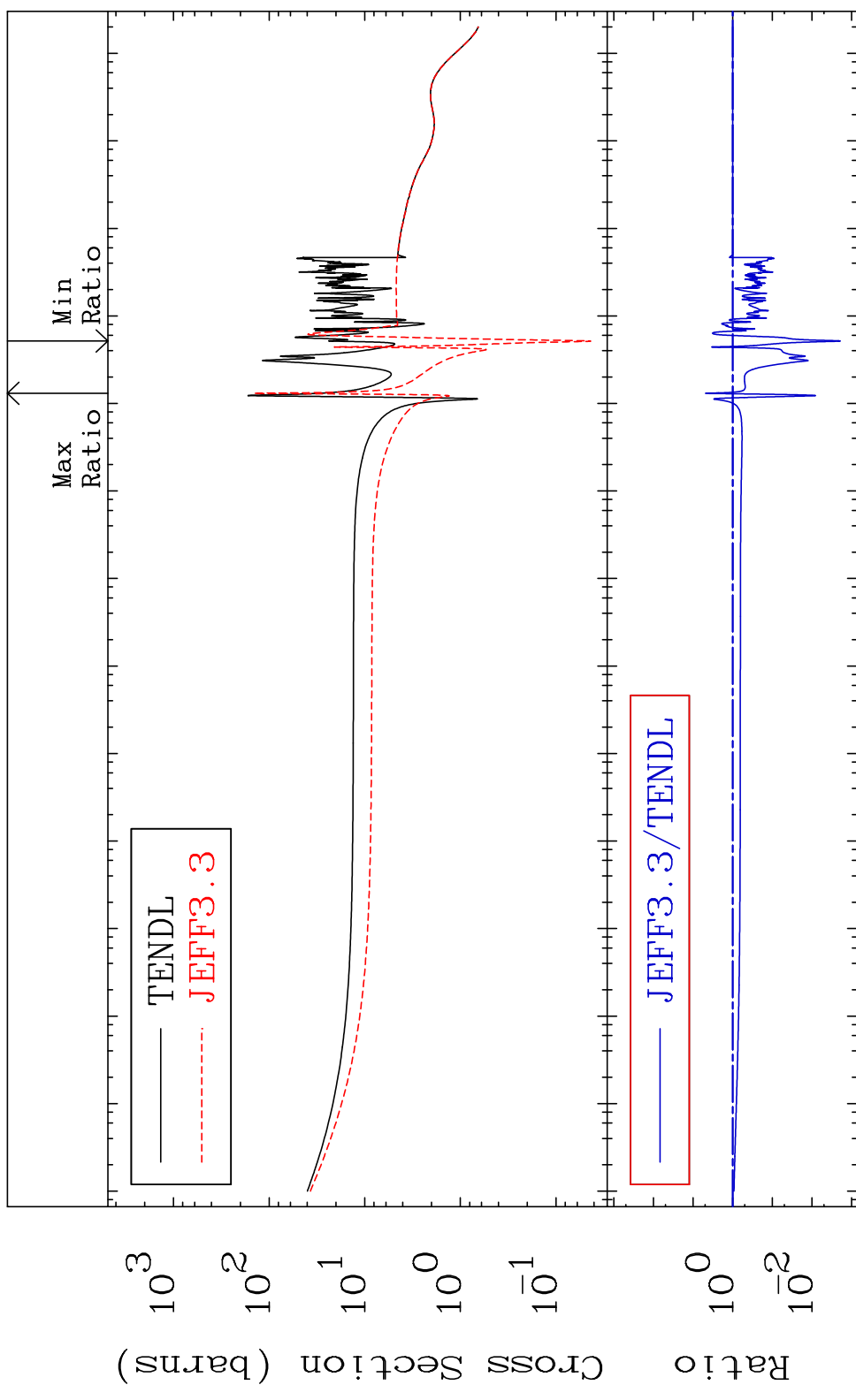
Press Mouse Button to Start

MAT 1528

Total

15-P -32

Cross Section -99.81 To 380.0 %



1

Incident Energy (eV)

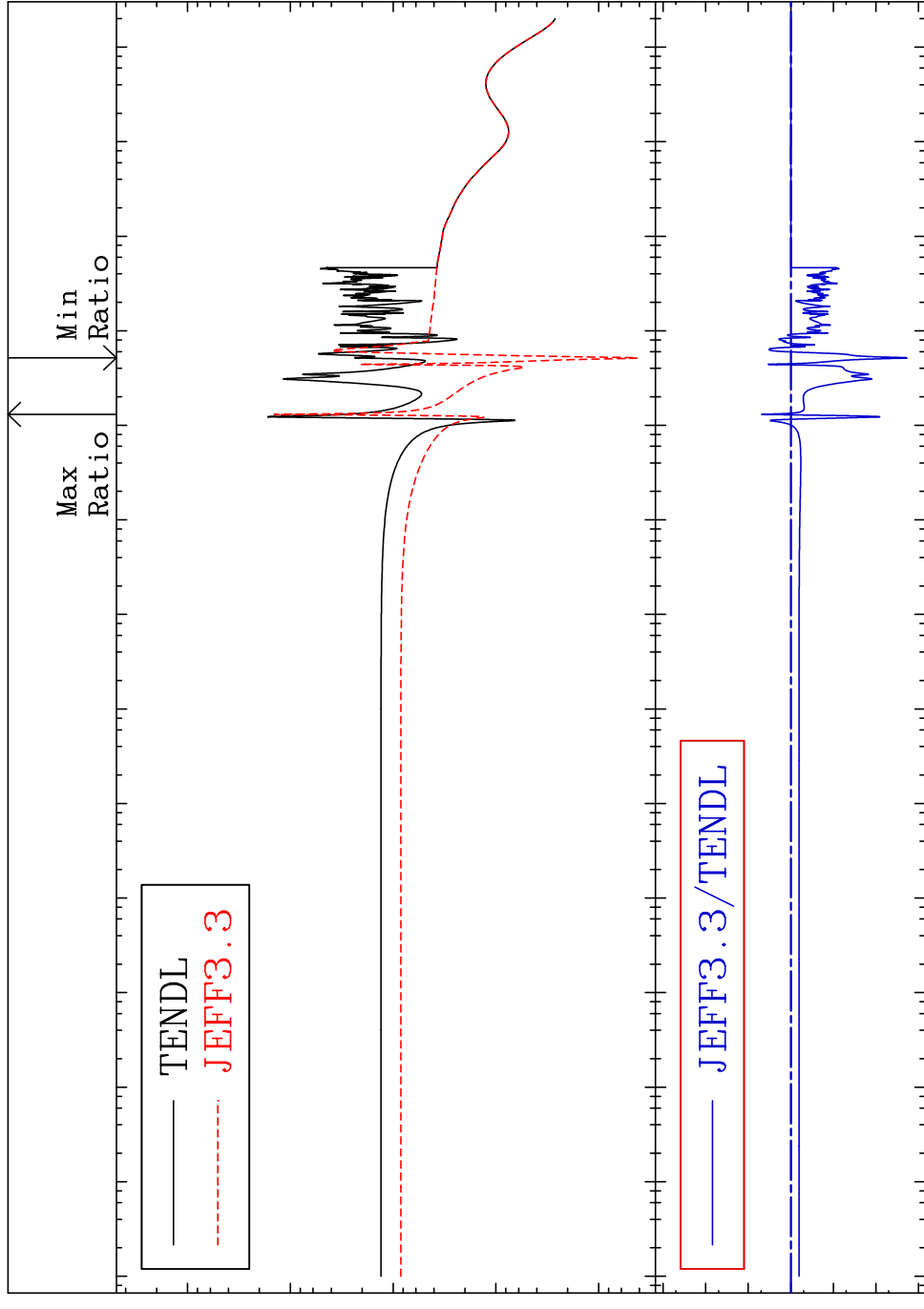
15-P -32

MAT 1528

Elastic

15-P -32

Cross Section -99.82 To 379.3 %



10³
10²
10¹
10⁰
10⁻¹
Ratio
10⁰
10⁻²

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

Incident Energy (eV)

15-P -32

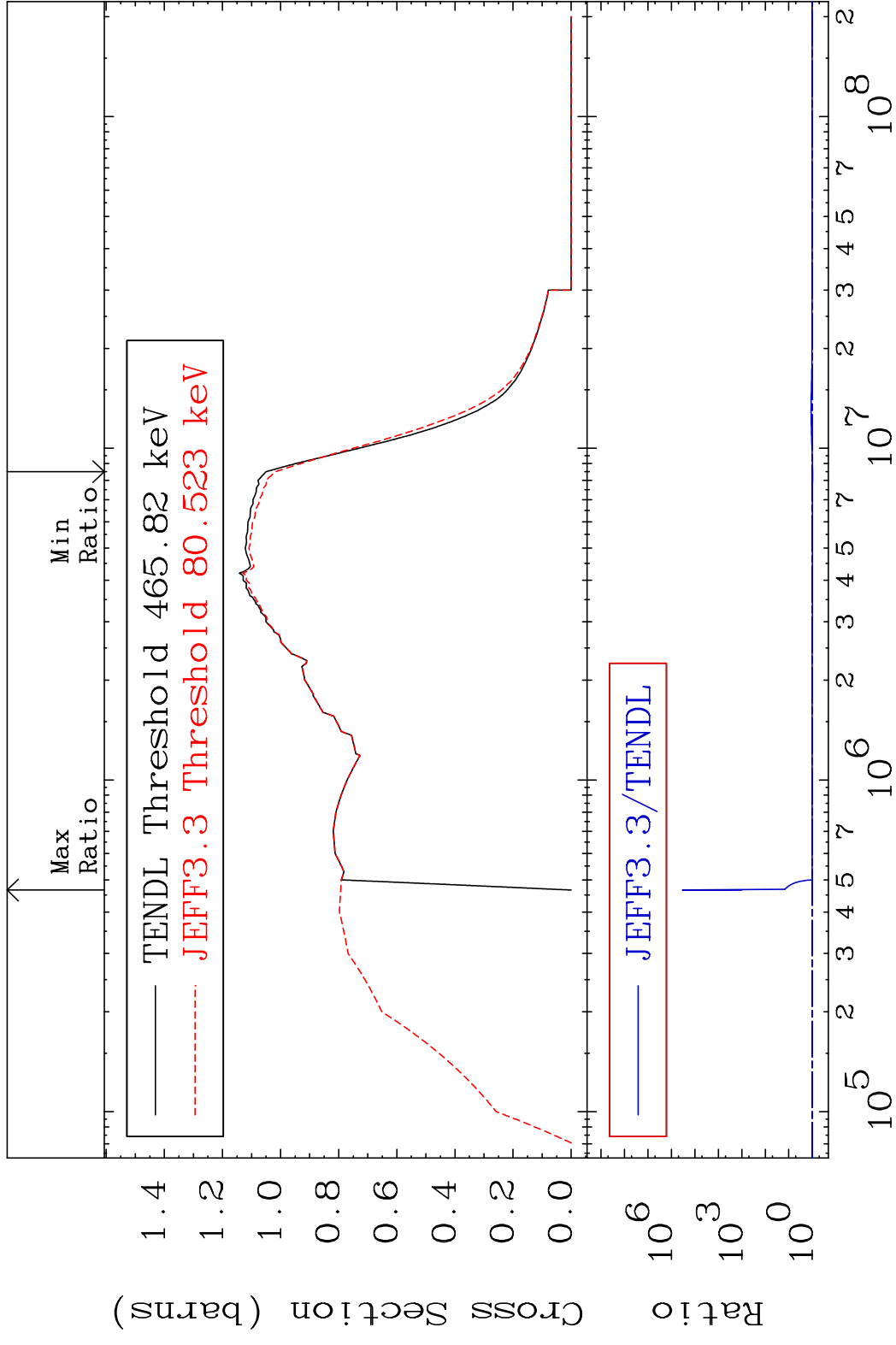
2

MAT 1528

Inelastic

15-P -32

Cross Section -3.089 To 9999. %



3

Incident Energy (eV)

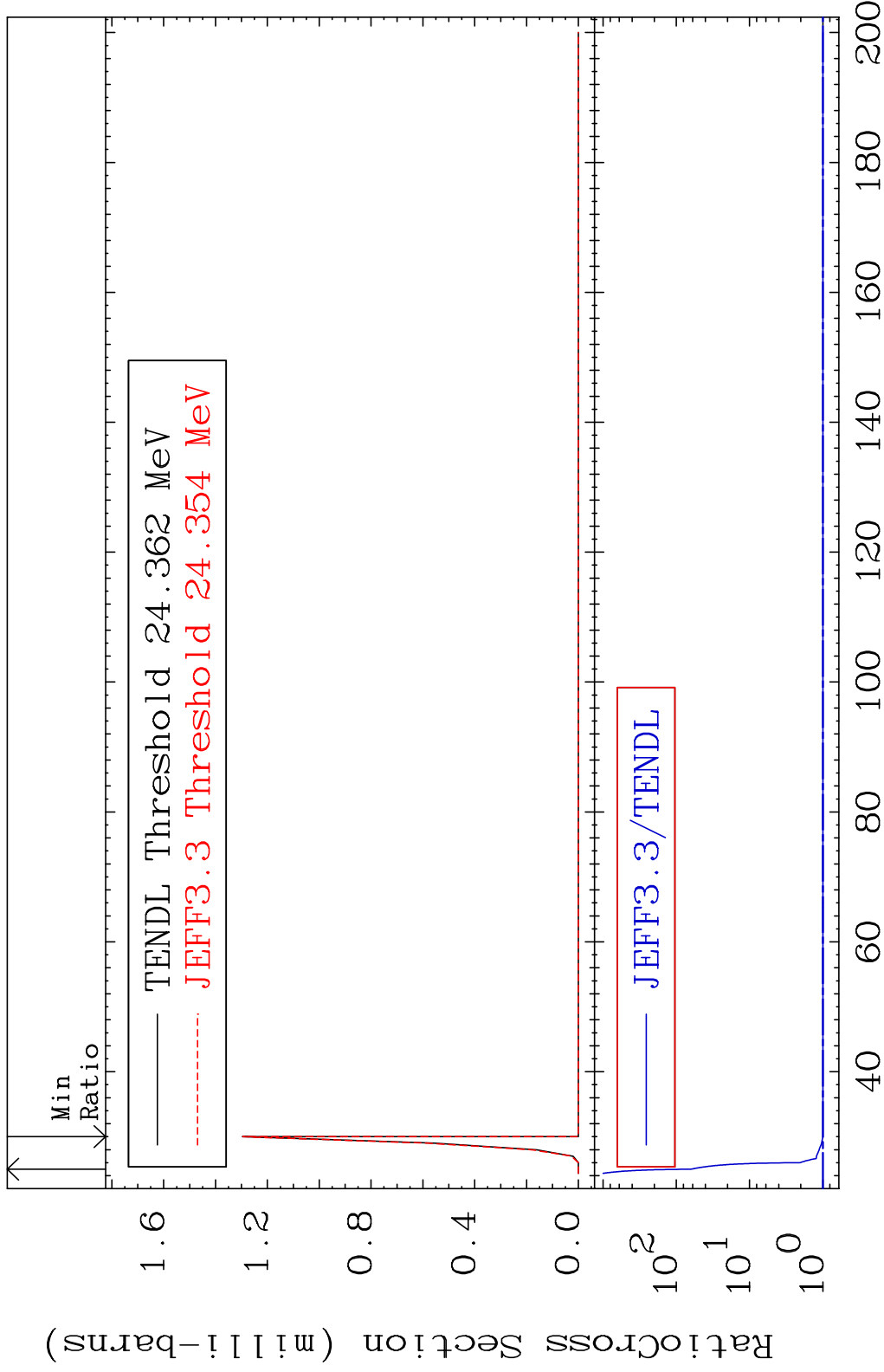
15-P -32

MAT 1528

(n,2n) d

15-P -32

Cross Section -0.169 To 6202. %

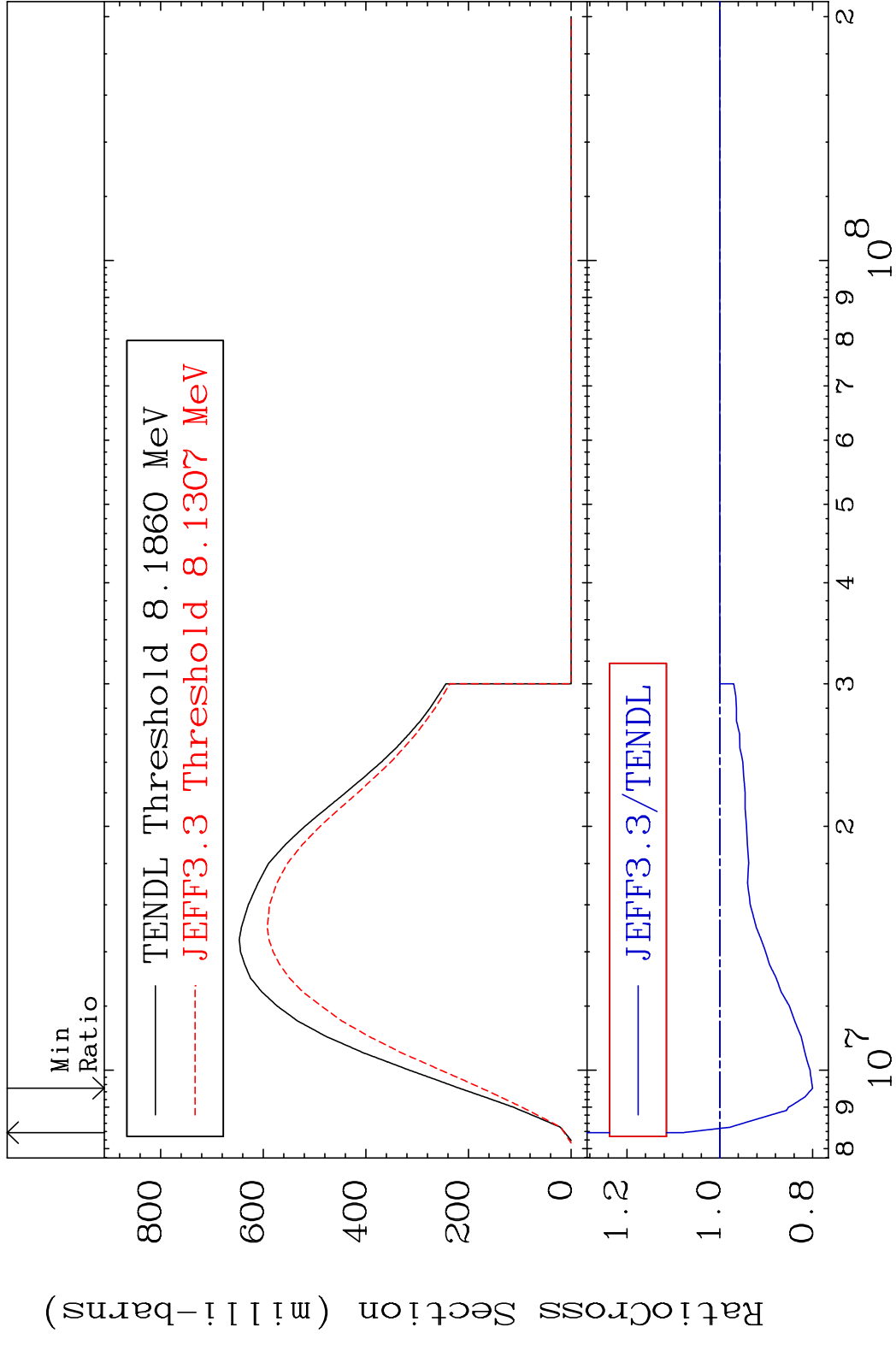


4

Incident Energy (MeV)

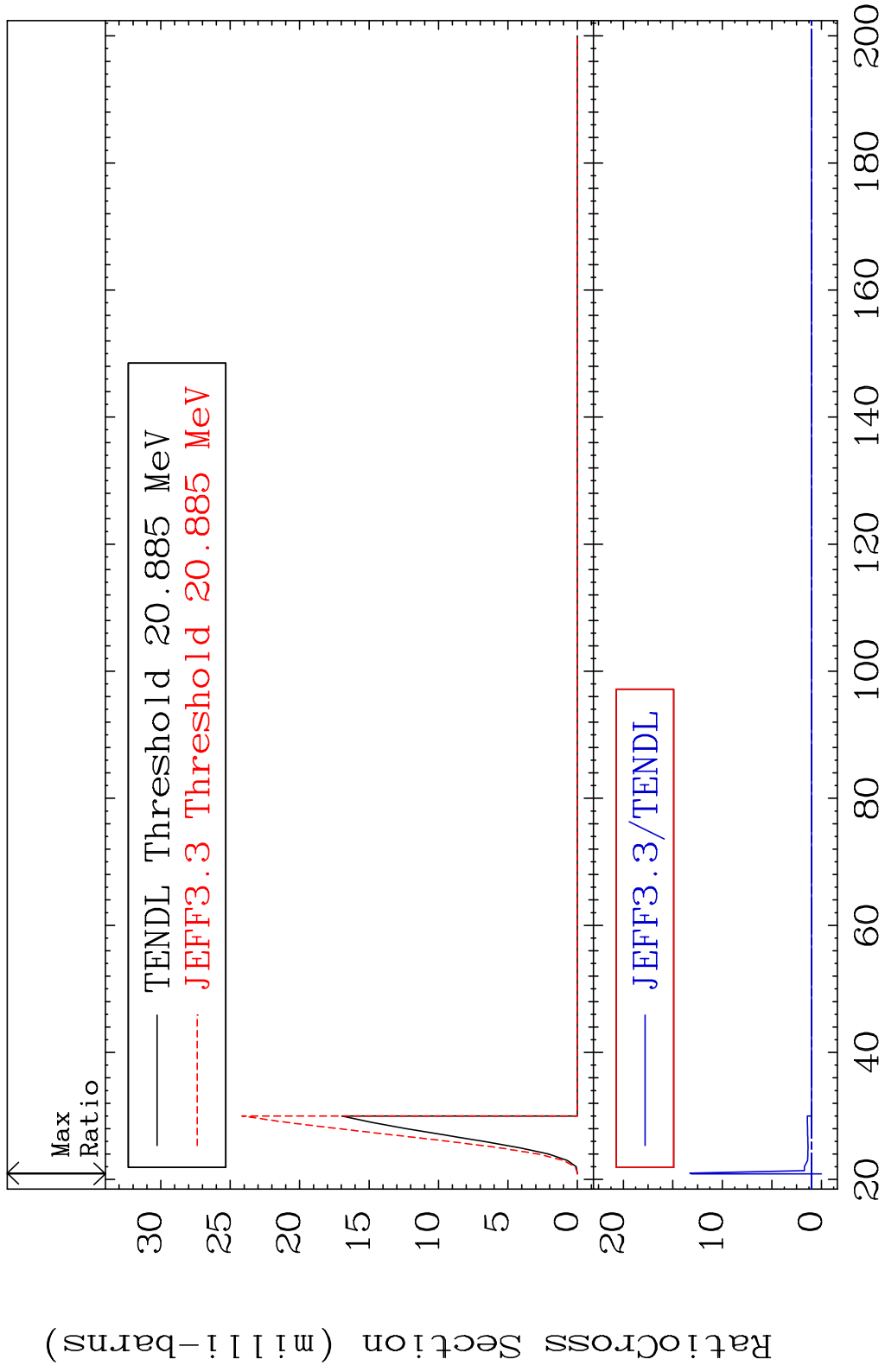
15-P -32

MAT 1528 (n,2n) 15-P -32
 Cross Section -19.98 To 8.063 %



5 Incident Energy (eV) 15-P -32

MAT 1528 (n,3n) 15-P -32
 Cross Section -100.0 To 1229. %

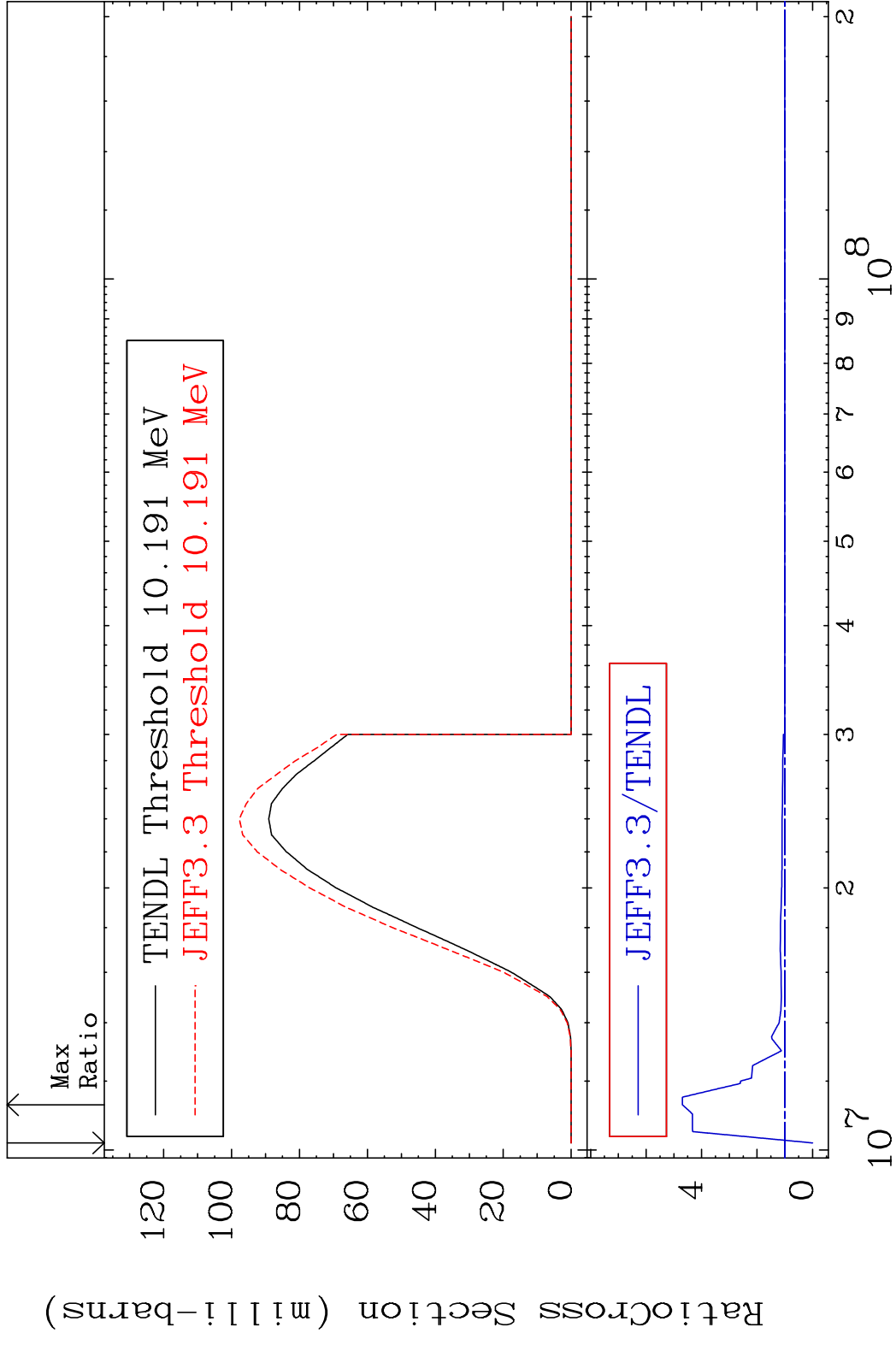


MAT 1528

(n, n') α

15-P -32

Cross Section -100.0 To 369.3 %

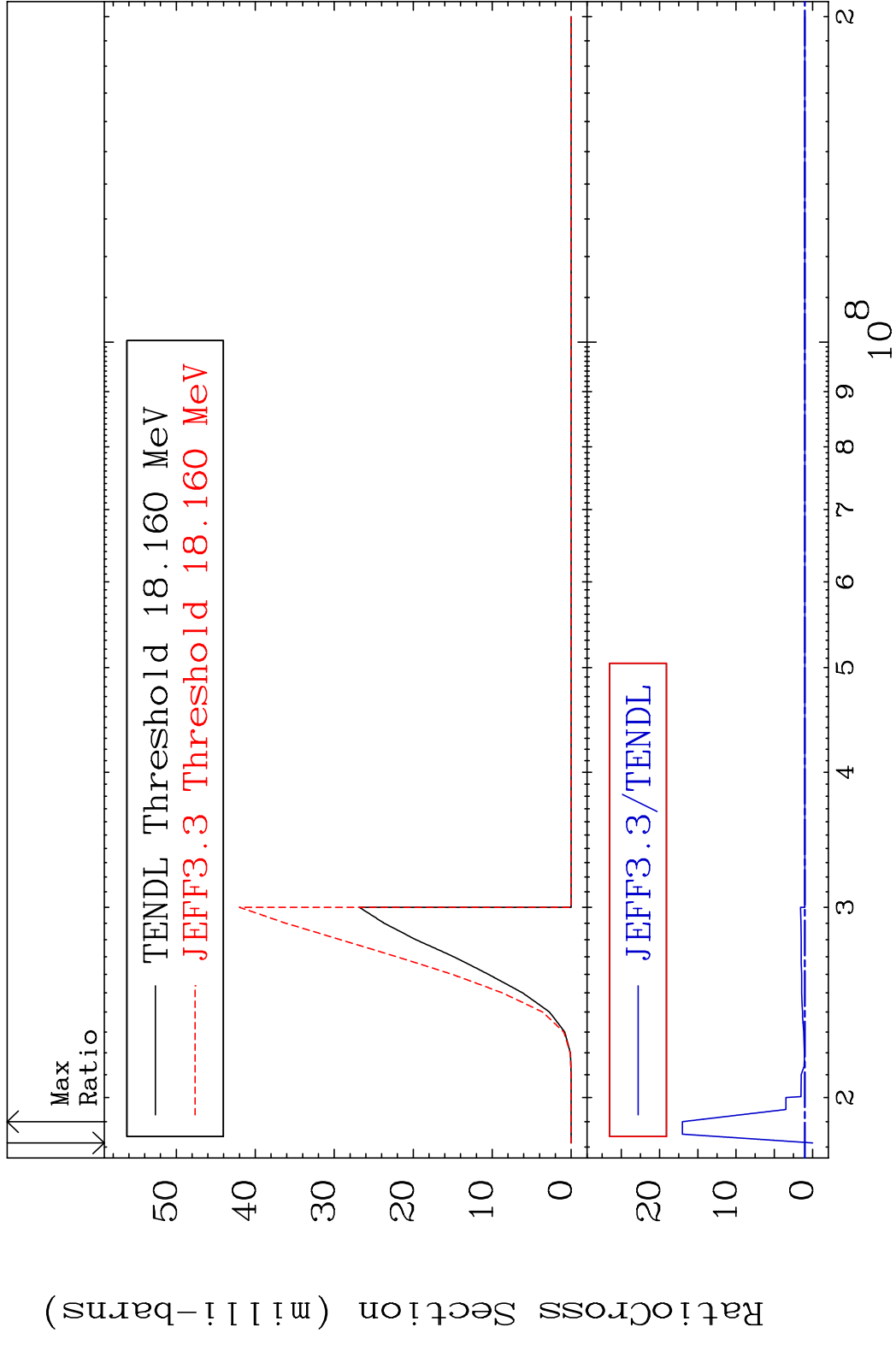


7

Incident Energy (eV)

15-P -32

MAT 1528 (n,2n) α 15-P -32
 Cross Section -100.0 To 1602. %

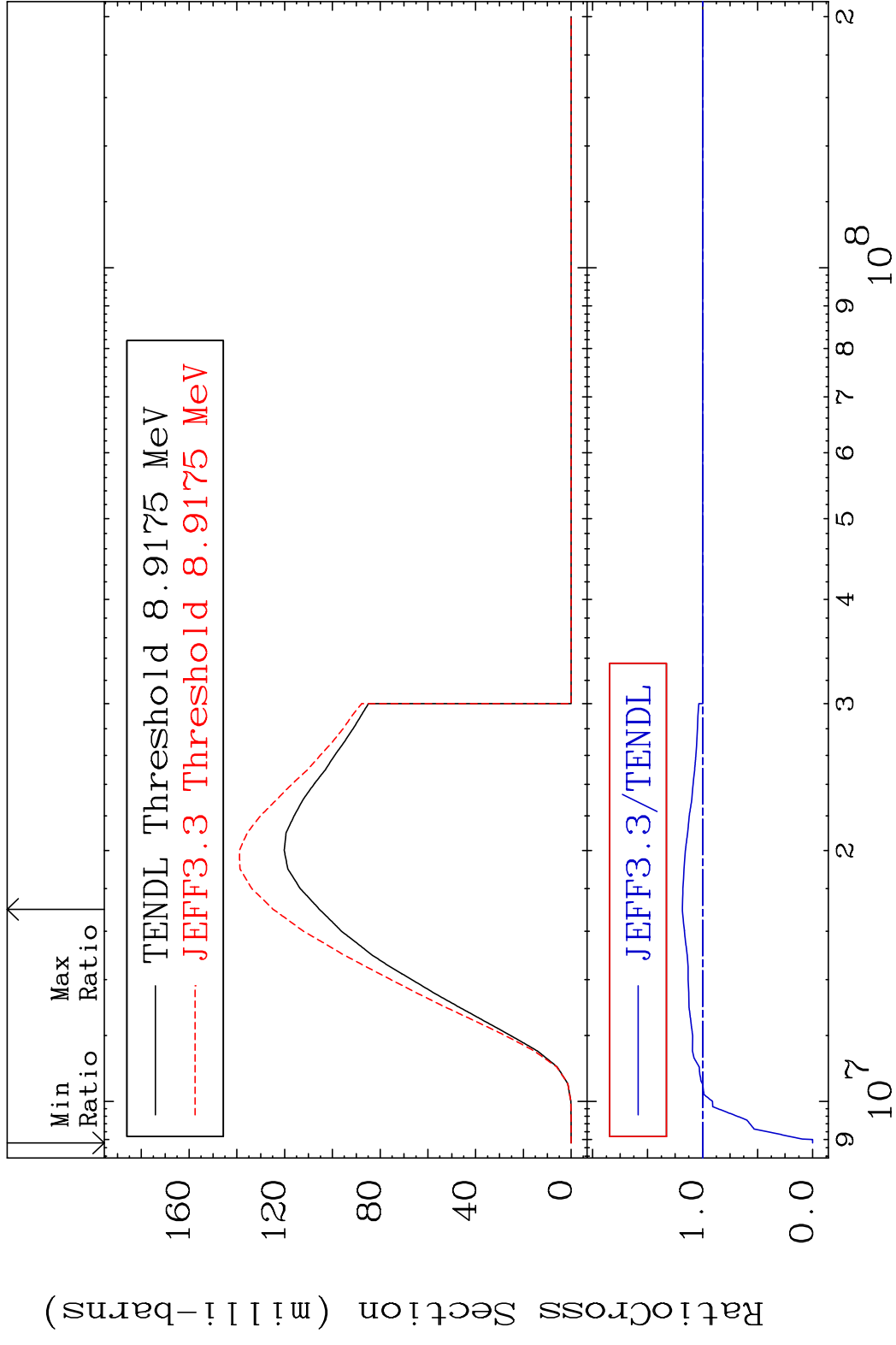


MAT 1528

(n, n') p

15-P -32

Cross Section -100.0 To 18.40 %



9

Incident Energy (eV)

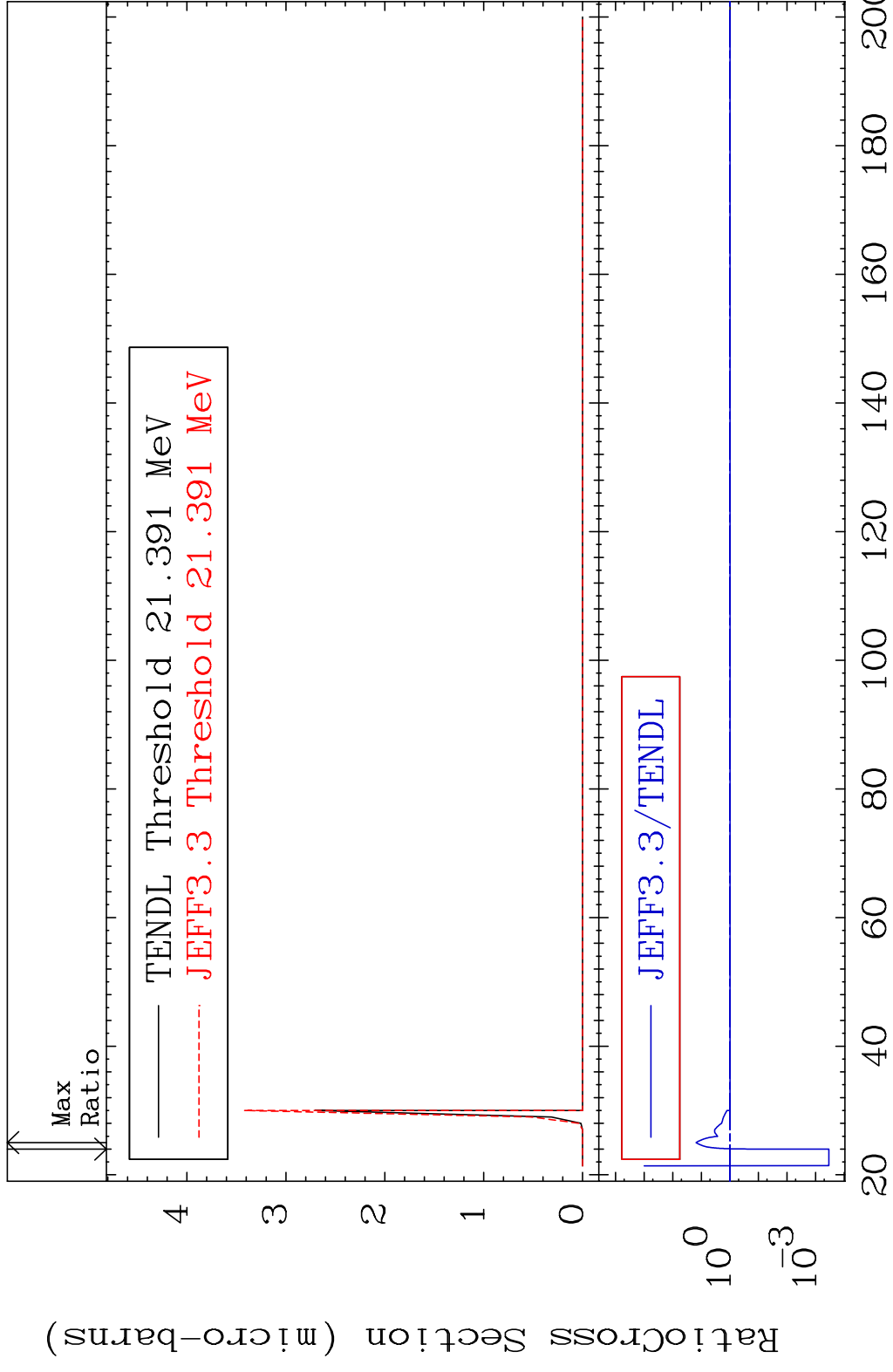
15-P -32

MAT 1528

(n, n') 2α

15-P -32

Cross Section -99.97 To 1435. %

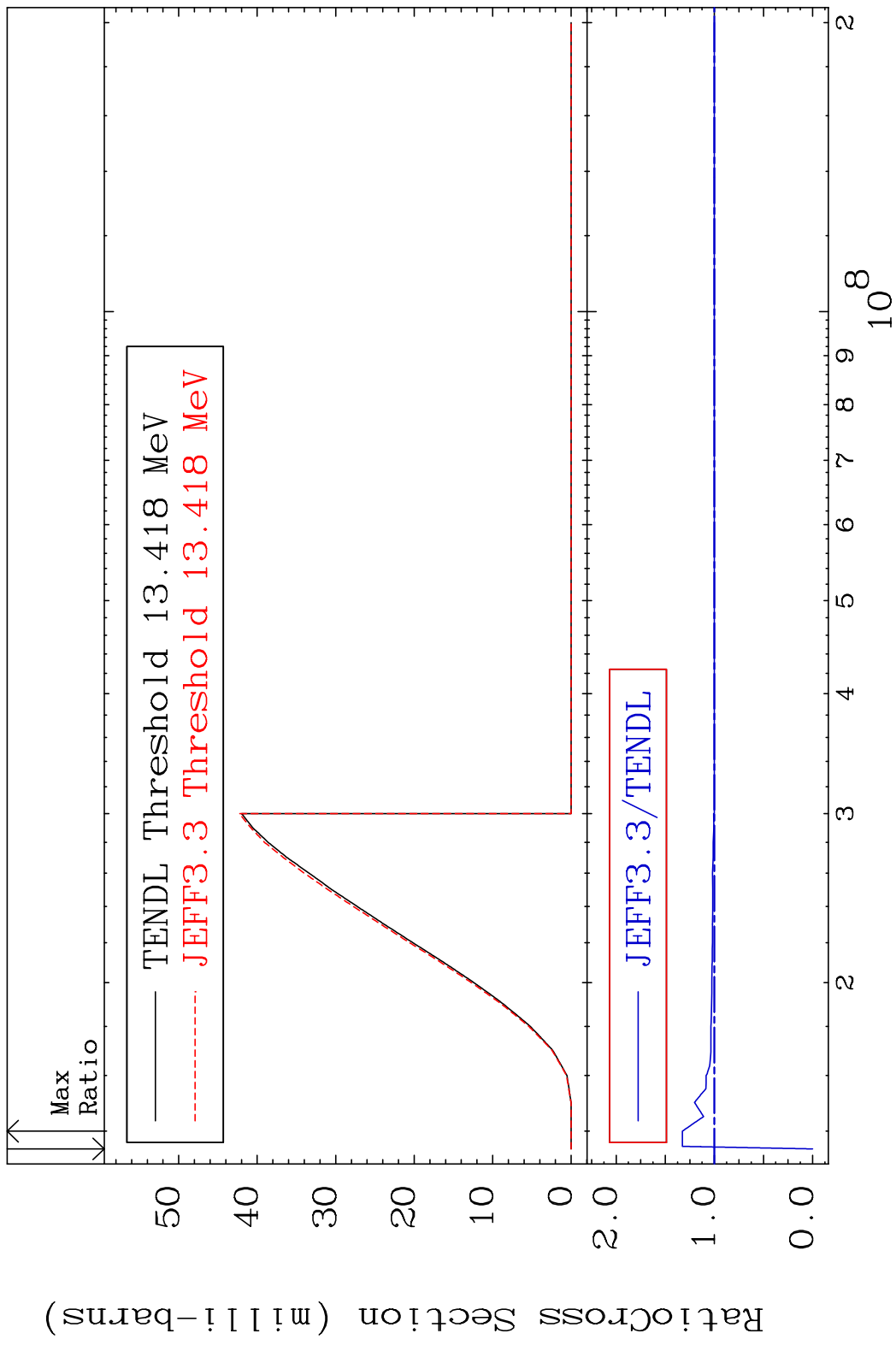


10

Incident Energy (MeV)

15-P -32

MAT 1528 (n, n') d 15-P -32
 Cross Section -100.0 To 32.60 %

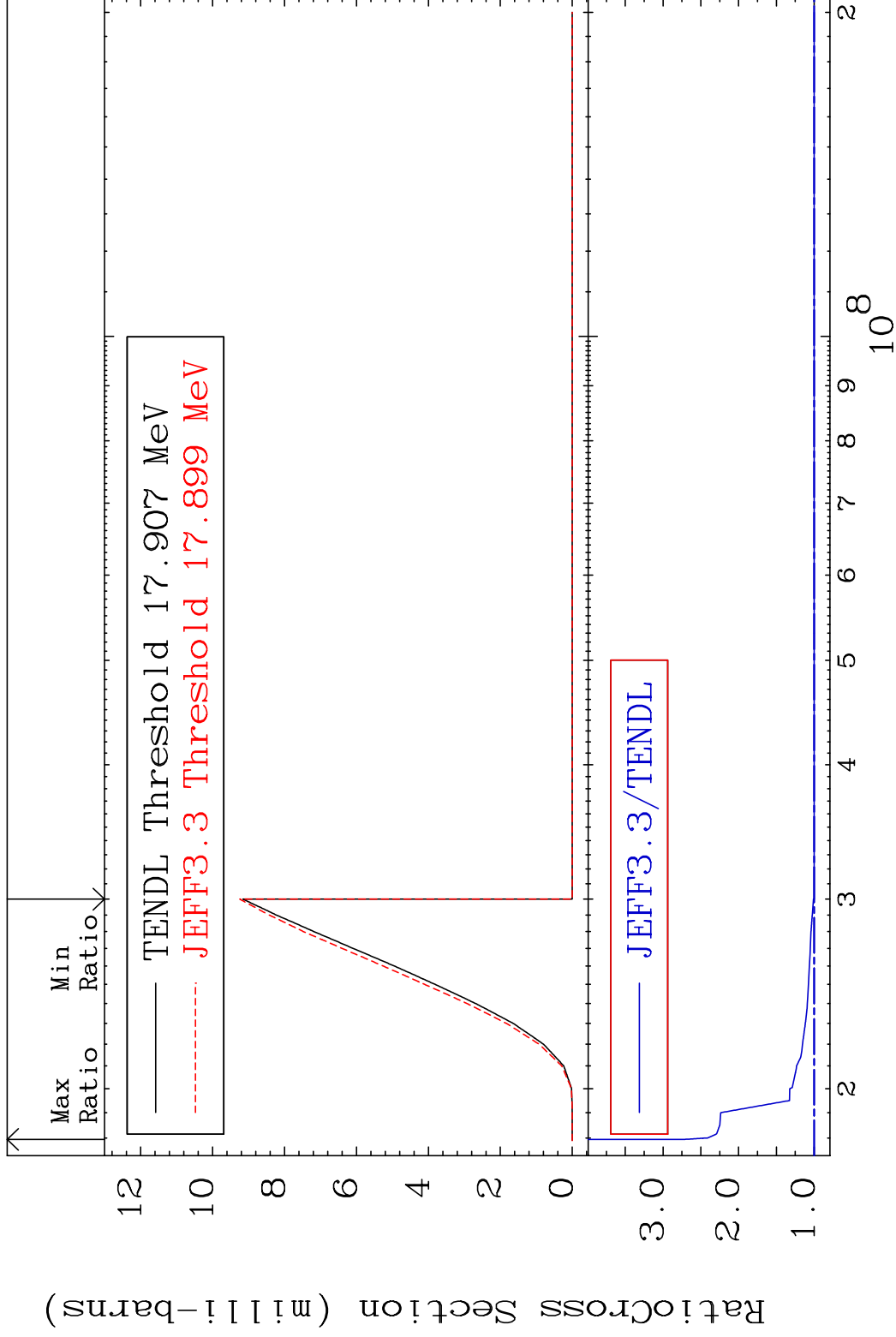


MAT 1528

(n, n') t

15-P -32

Cross Section 0.000 To 172.7 %



12

Incident Energy (eV)

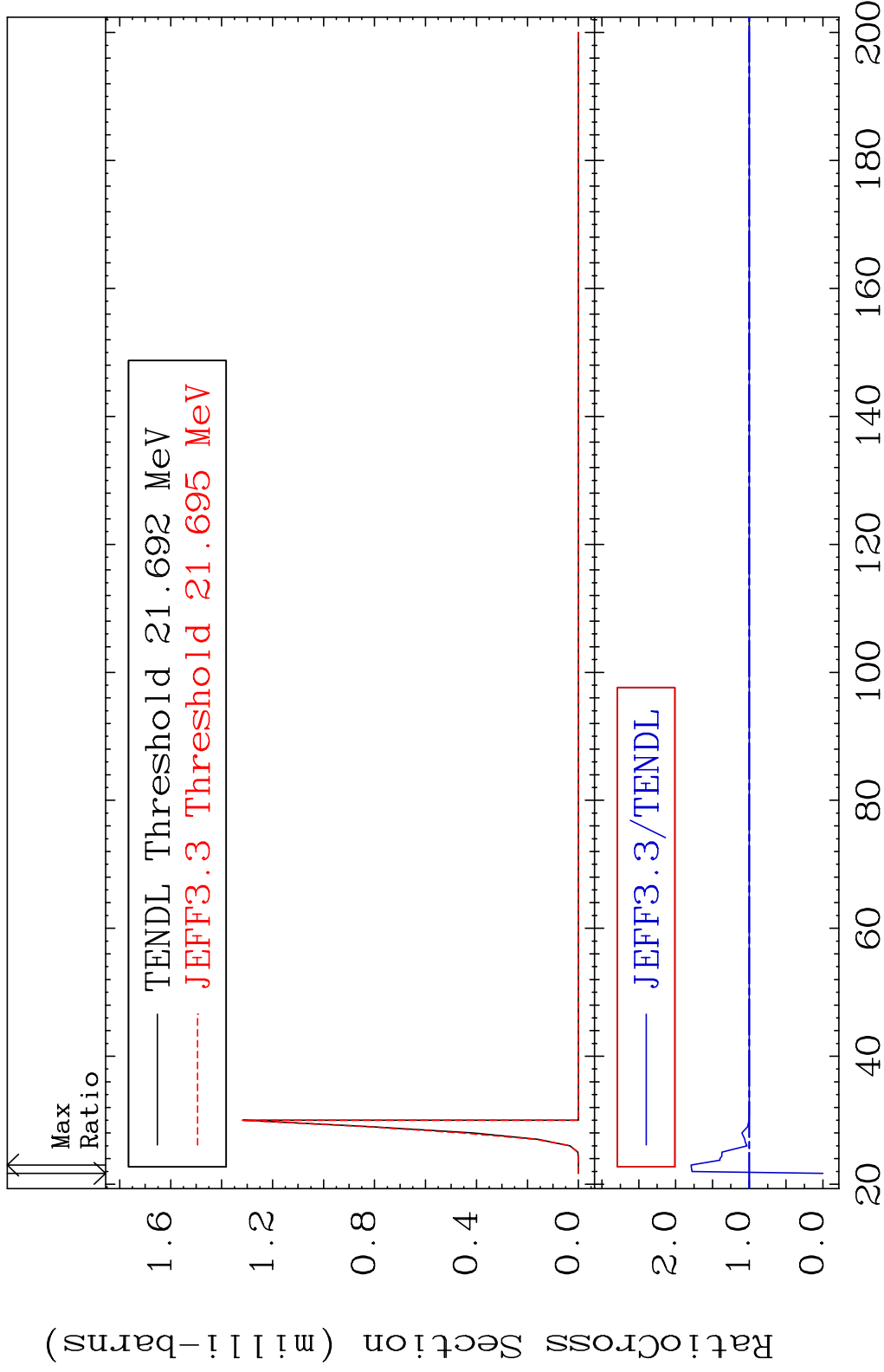
15-P -32

MAT 1528

(n,n') He-3

15-P -32

Cross Section -100.0 To 79.07 %



13

Incident Energy (MeV)

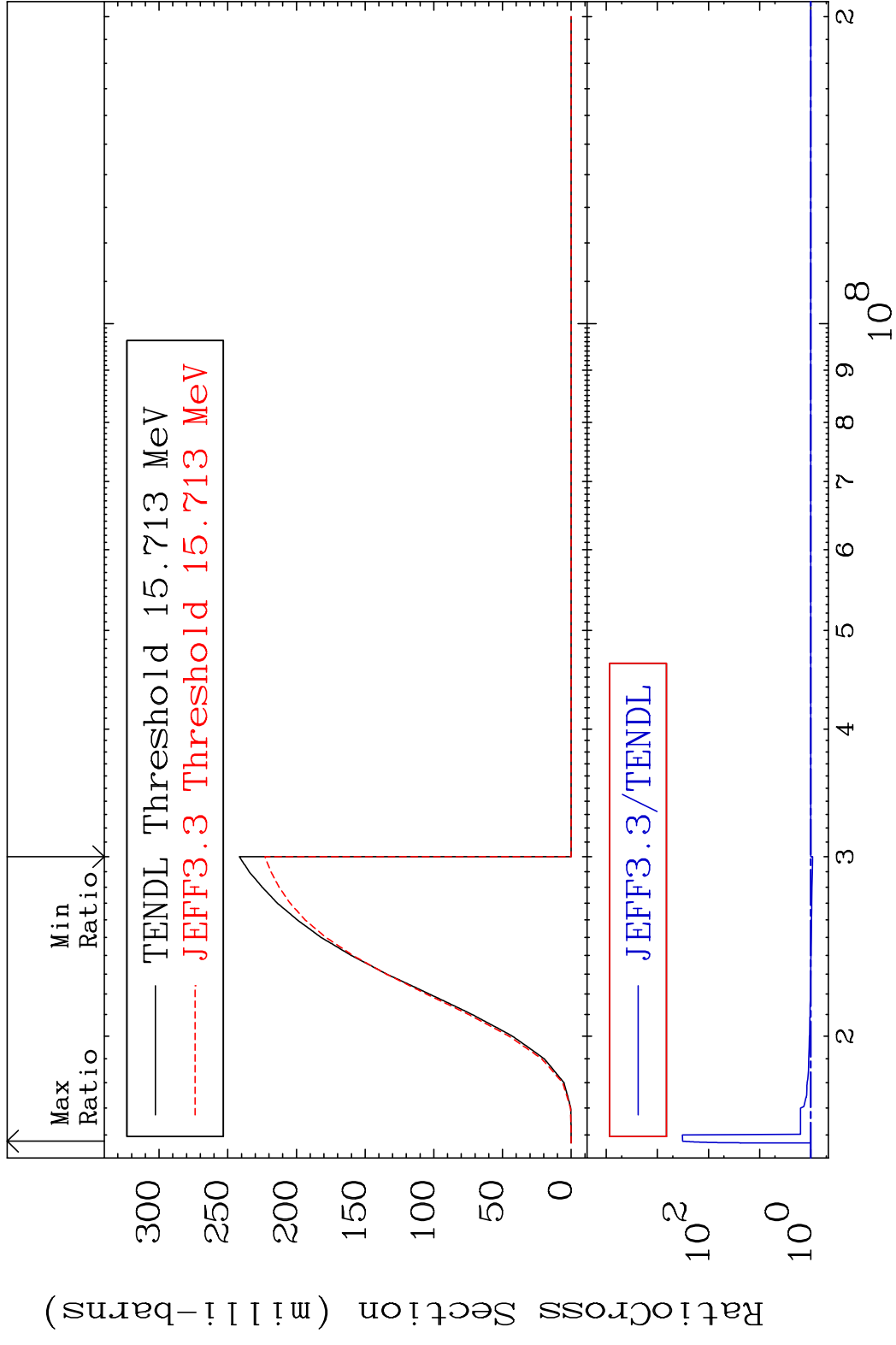
15-P -32

MAT 1528

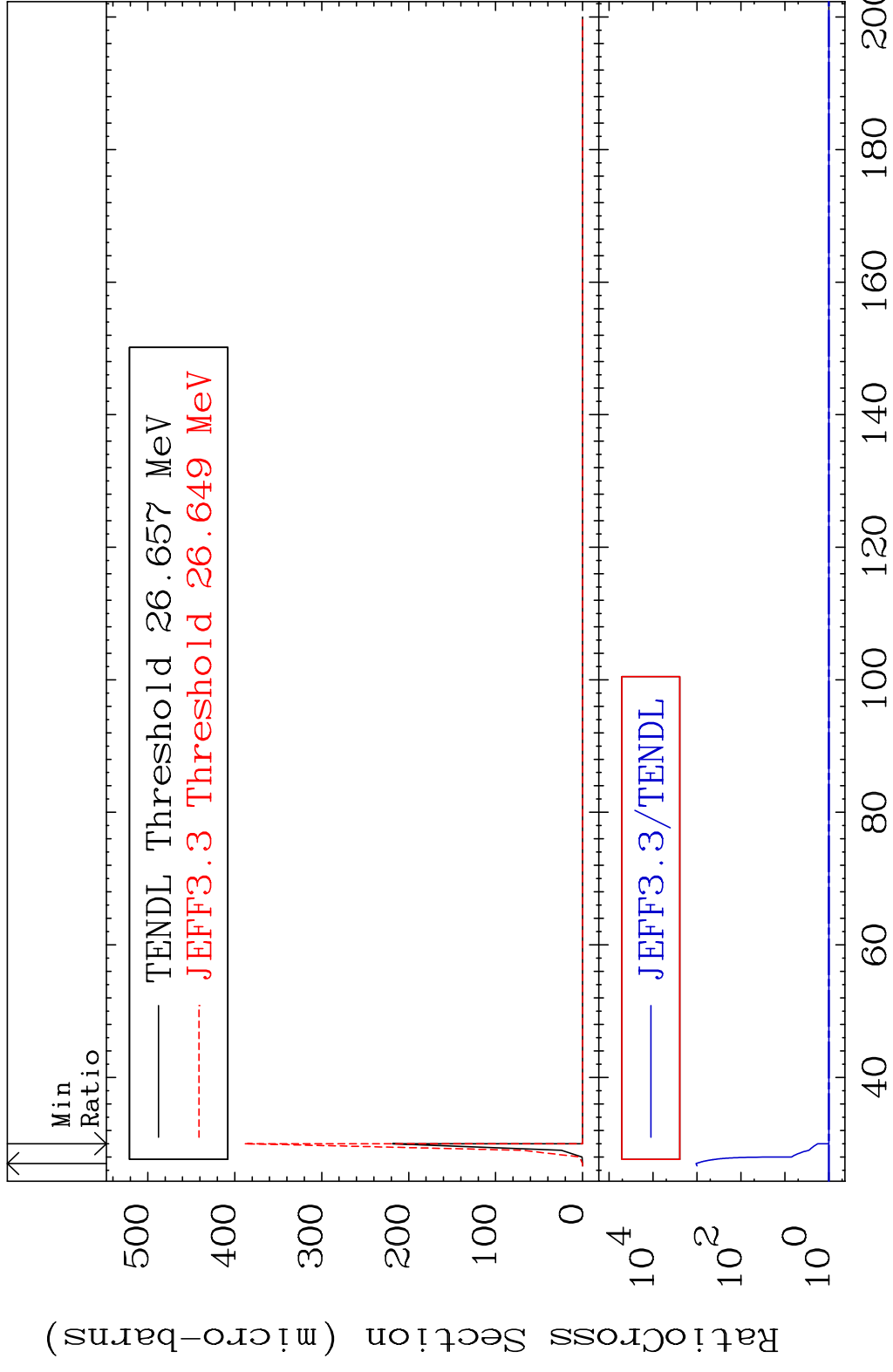
(n,2n) p

15-P -32

Cross Section -7.672 To 9999. %



MAT 1528 (n,3n) p 15-P -32
 Cross Section 0.000 To 9999. %

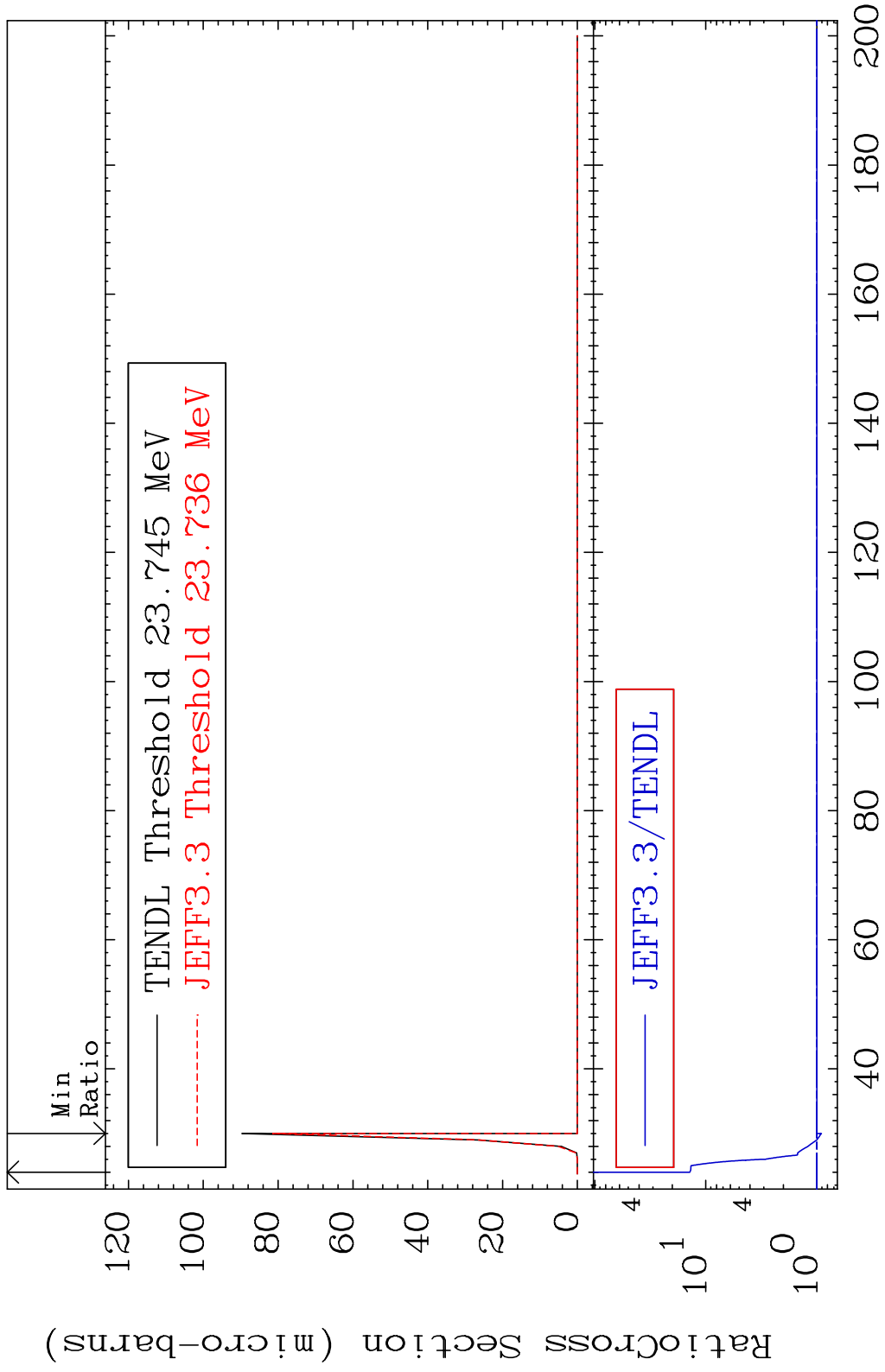


MAT 1528

(n,2n) p

15-P -32

Cross Section -9.183 To 1294. %

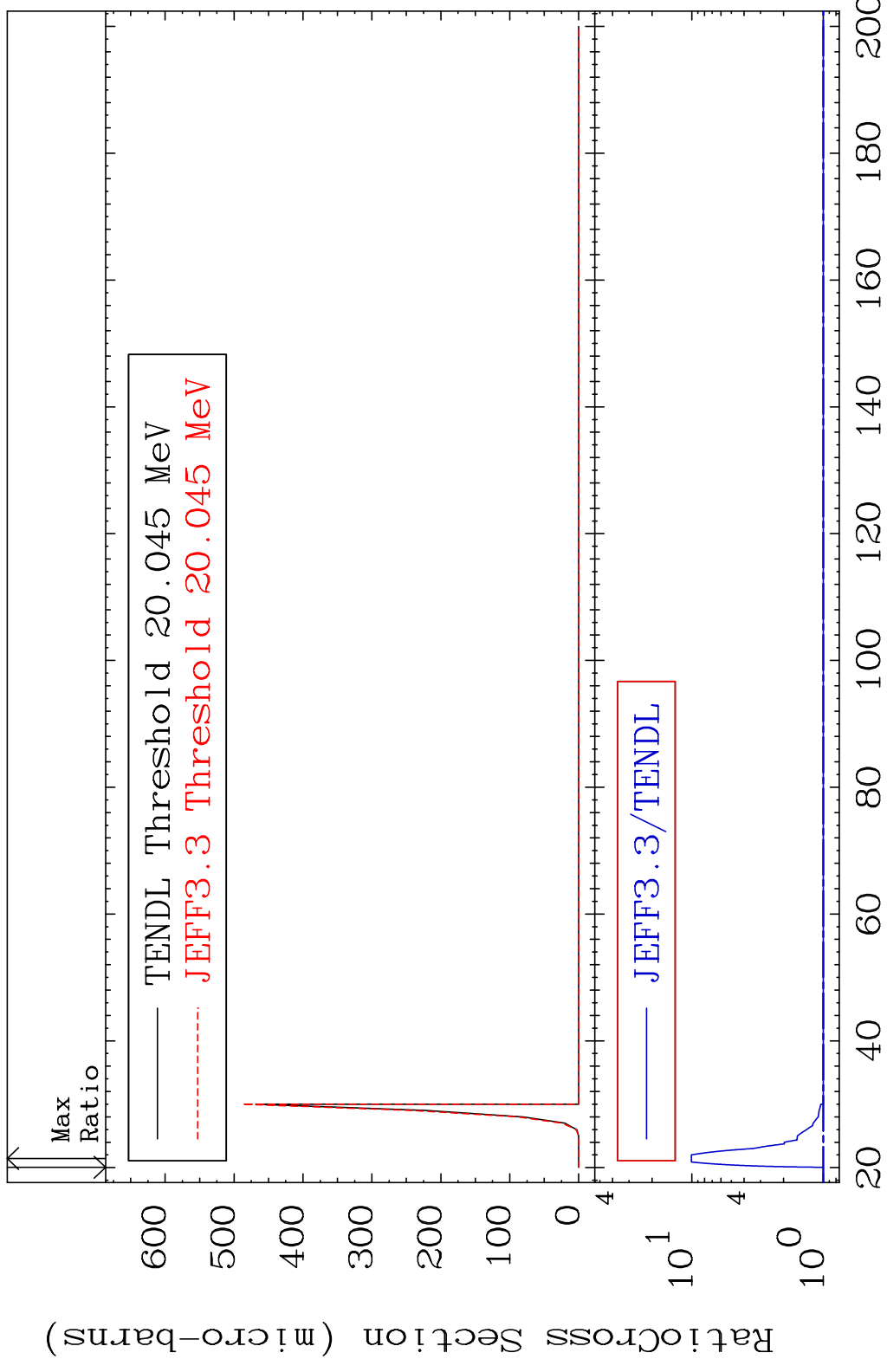


MAT 1528

(n,n') p α

15-P -32

Cross Section 0.000 To 907.1 %

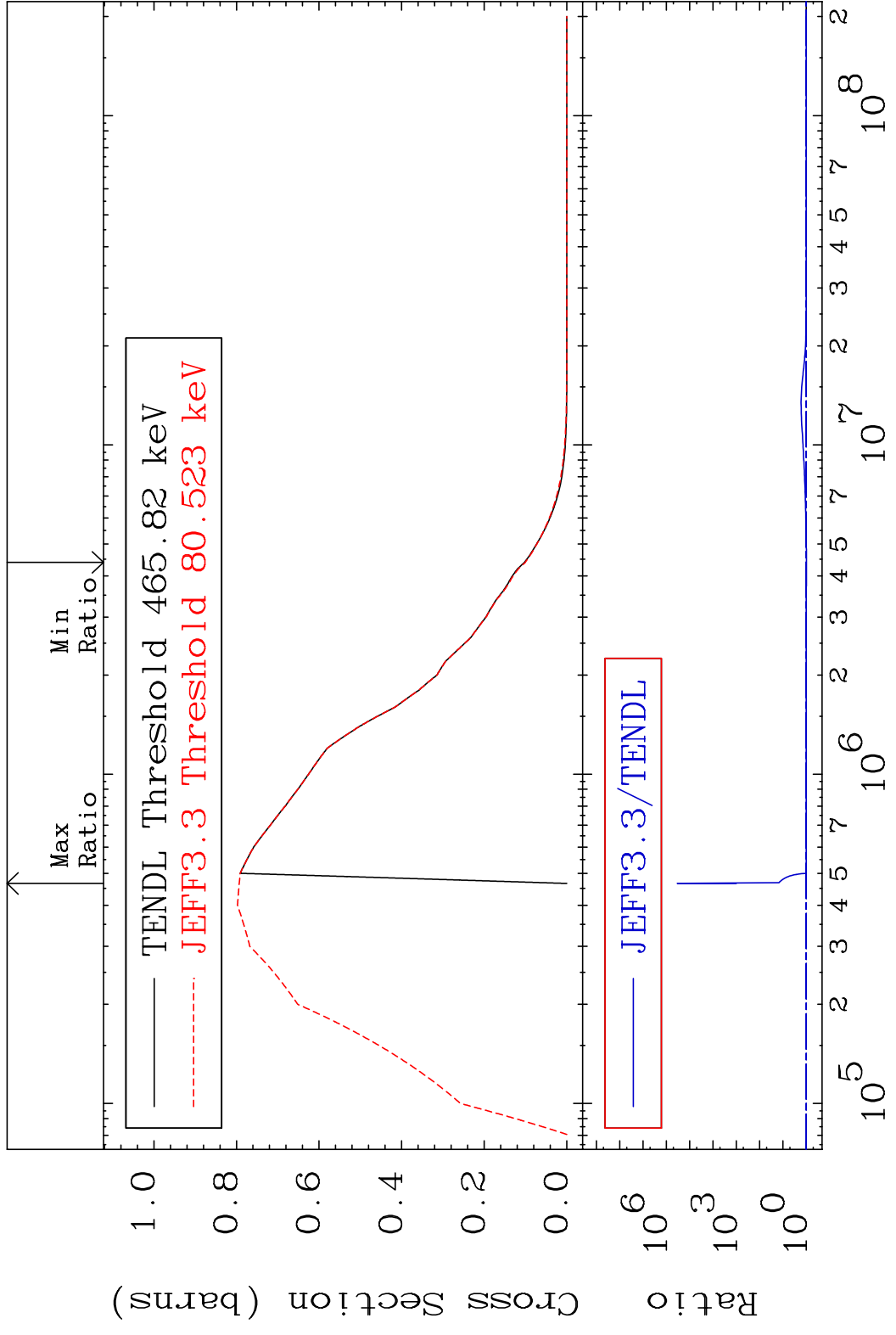


17

Incident Energy (MeV)

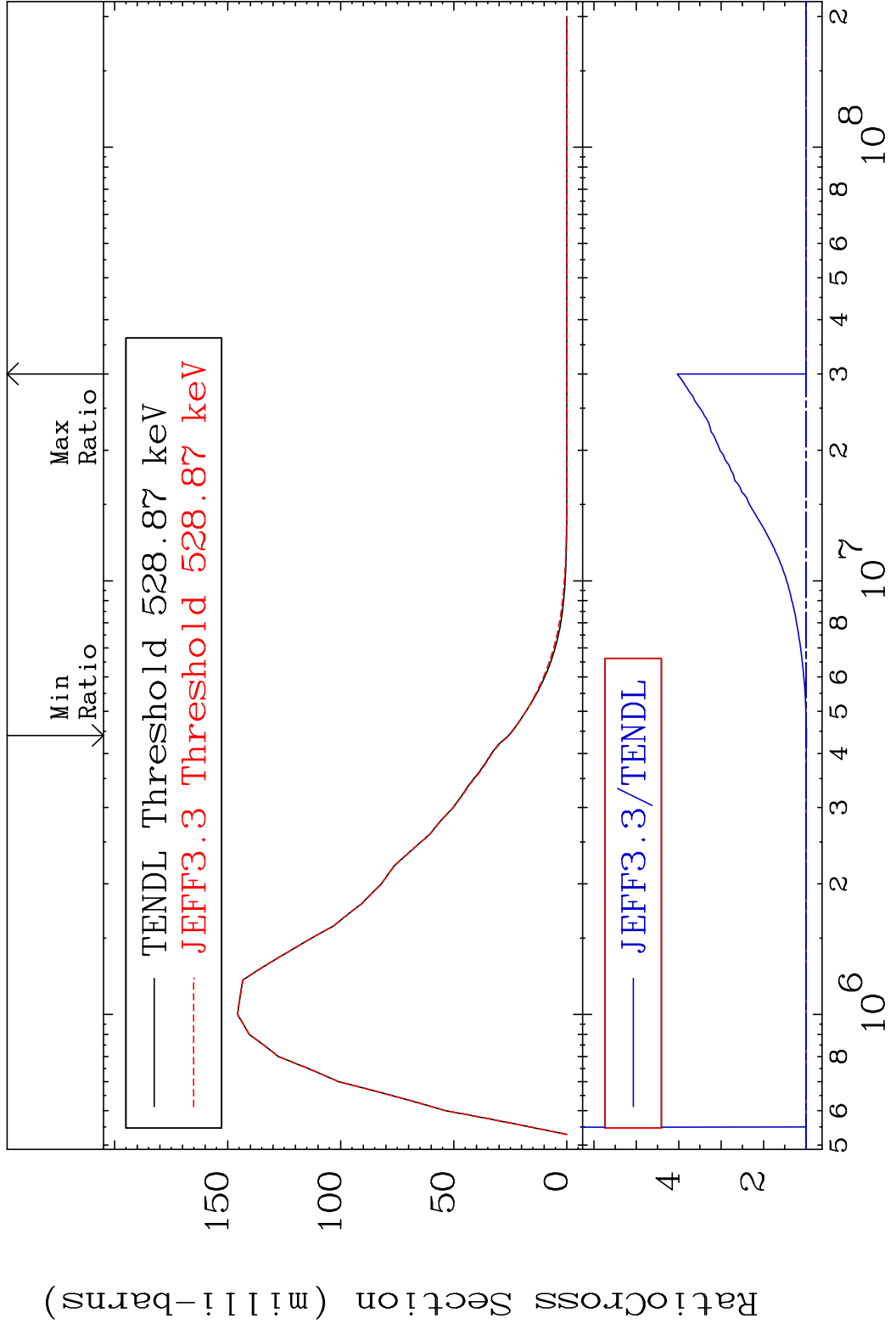
15-P -32

MAT 1528 MT= 51 (n, n') Level 15-P -32
 Cross Section -1.715 To 9999. %



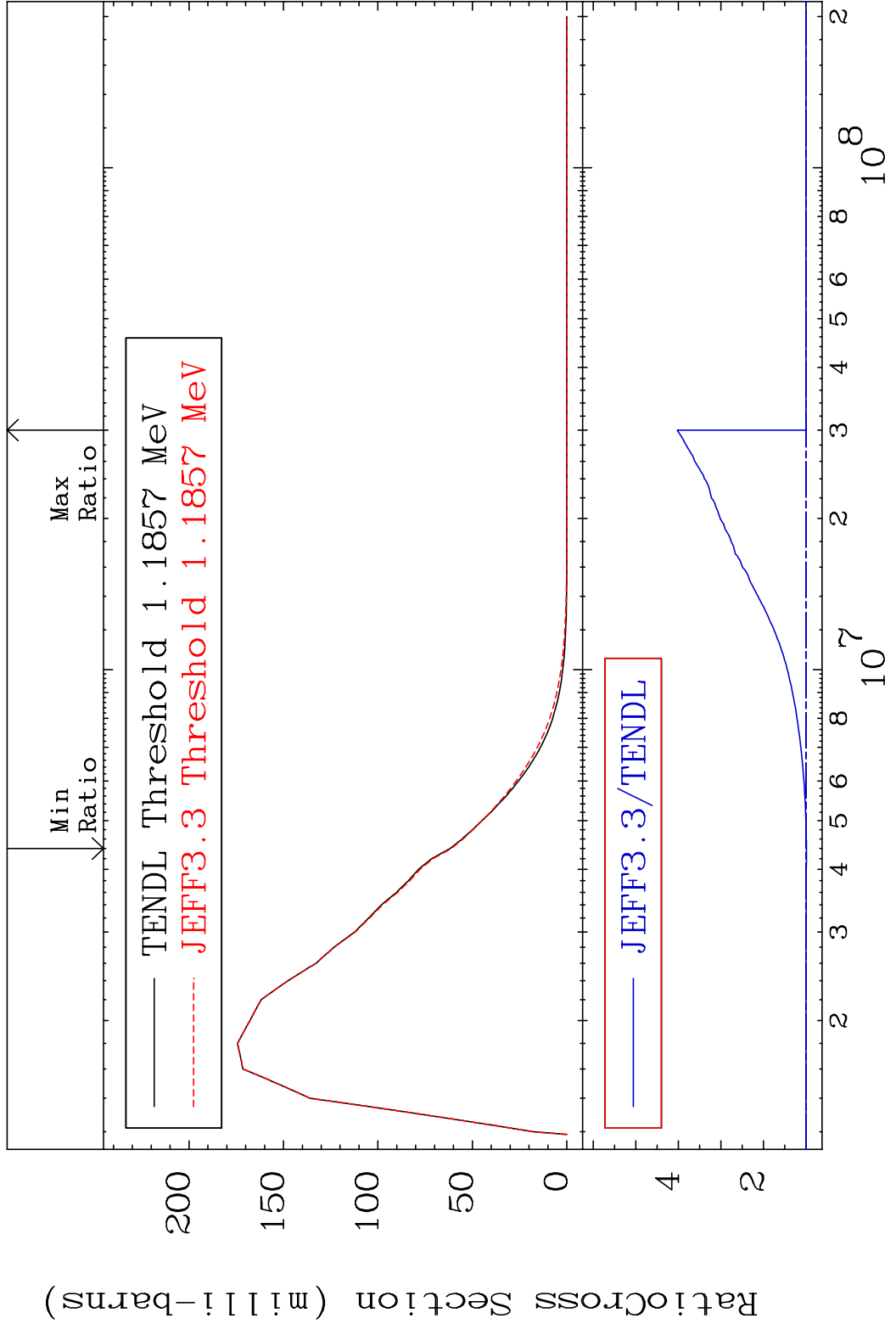
18 Incident Energy (eV) 15-P -32

MAT 1528 MT= 52 (n, n') Level 15-P -32
 Cross Section -0.933 To 303.7 %

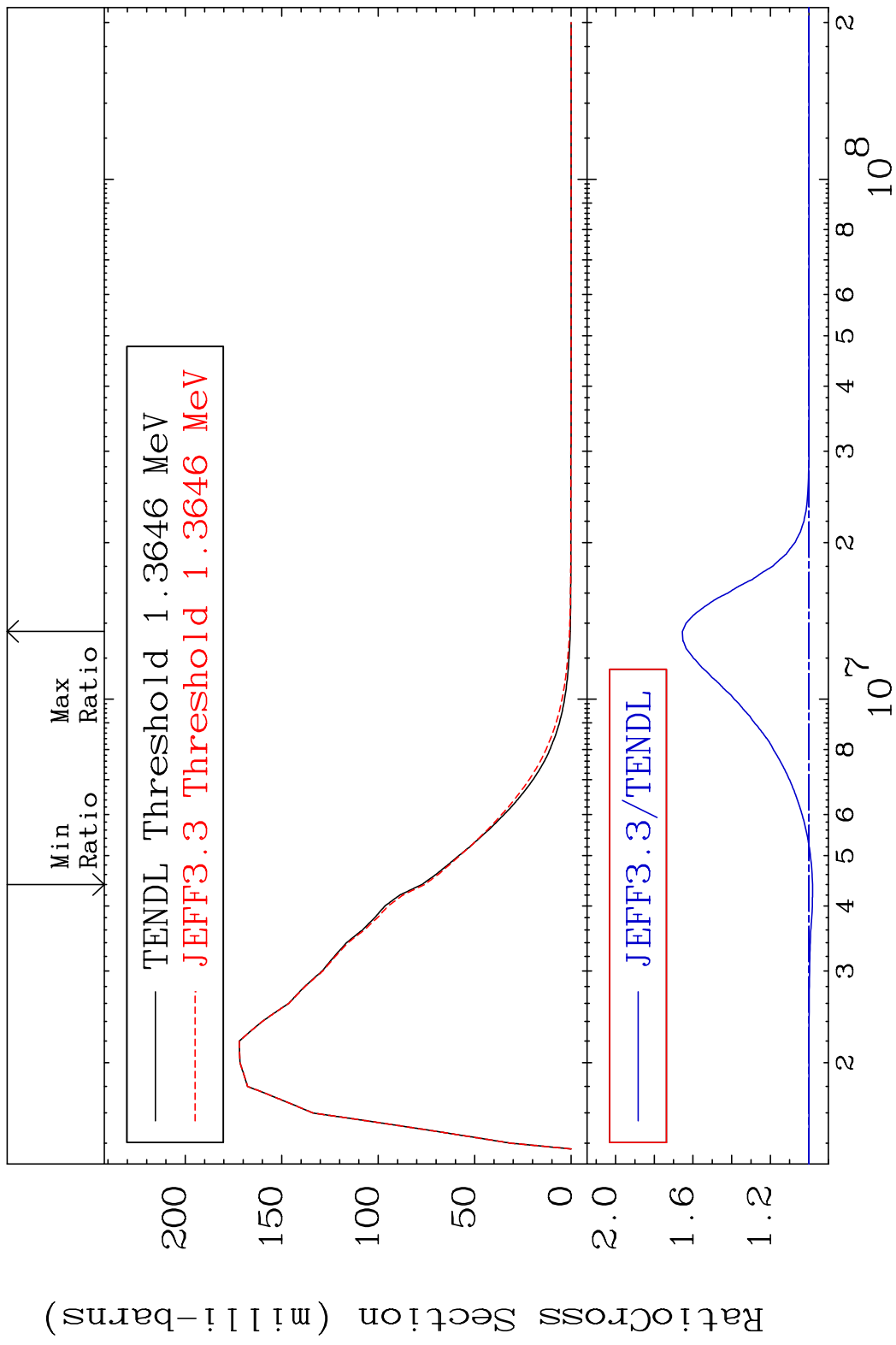


19 Incident Energy (eV) 15-P -32

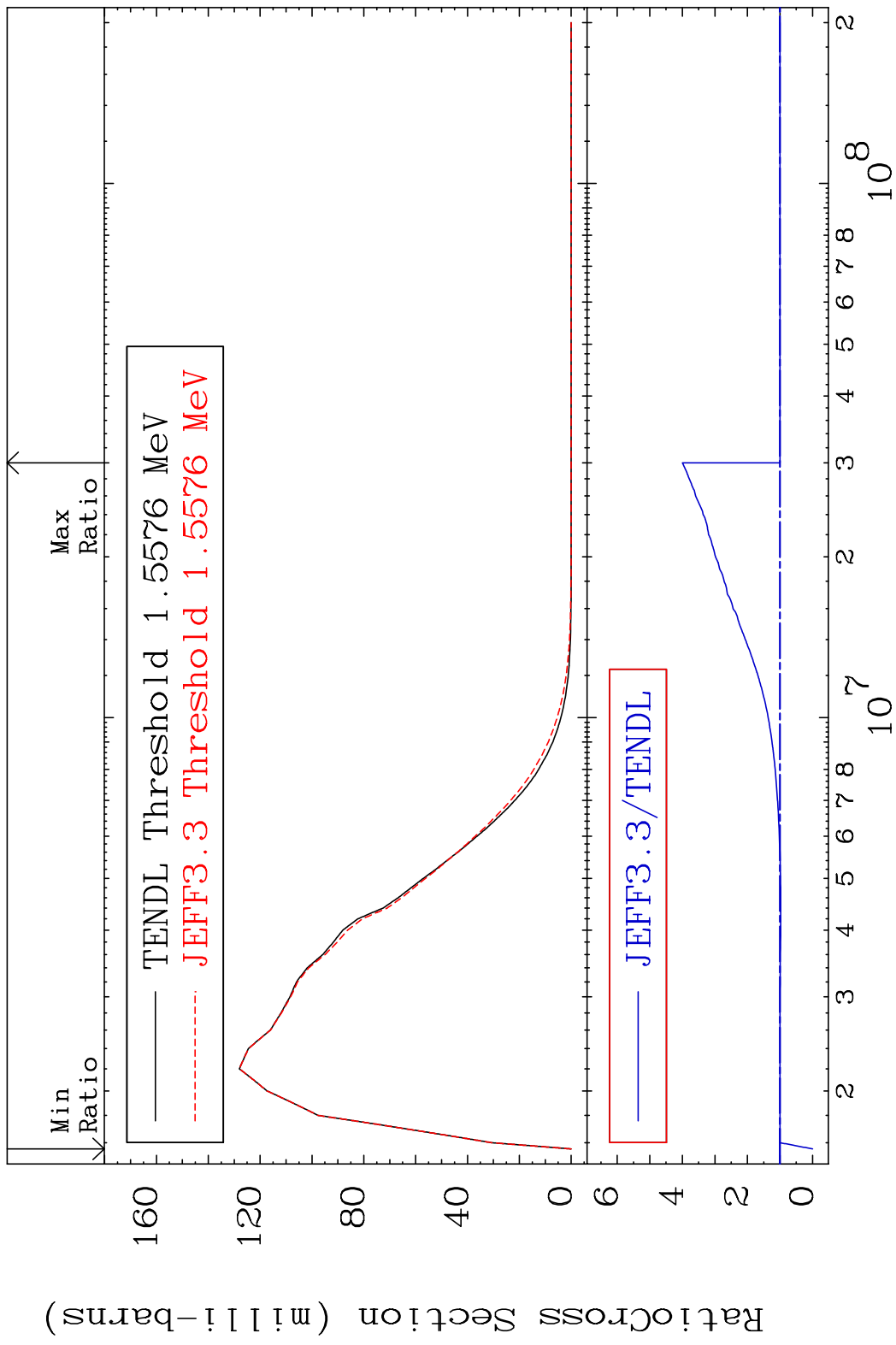
MAT 1528 MT= 53 (n, n') Level 15-P -32
 Cross Section -1.120 To 302.6 %



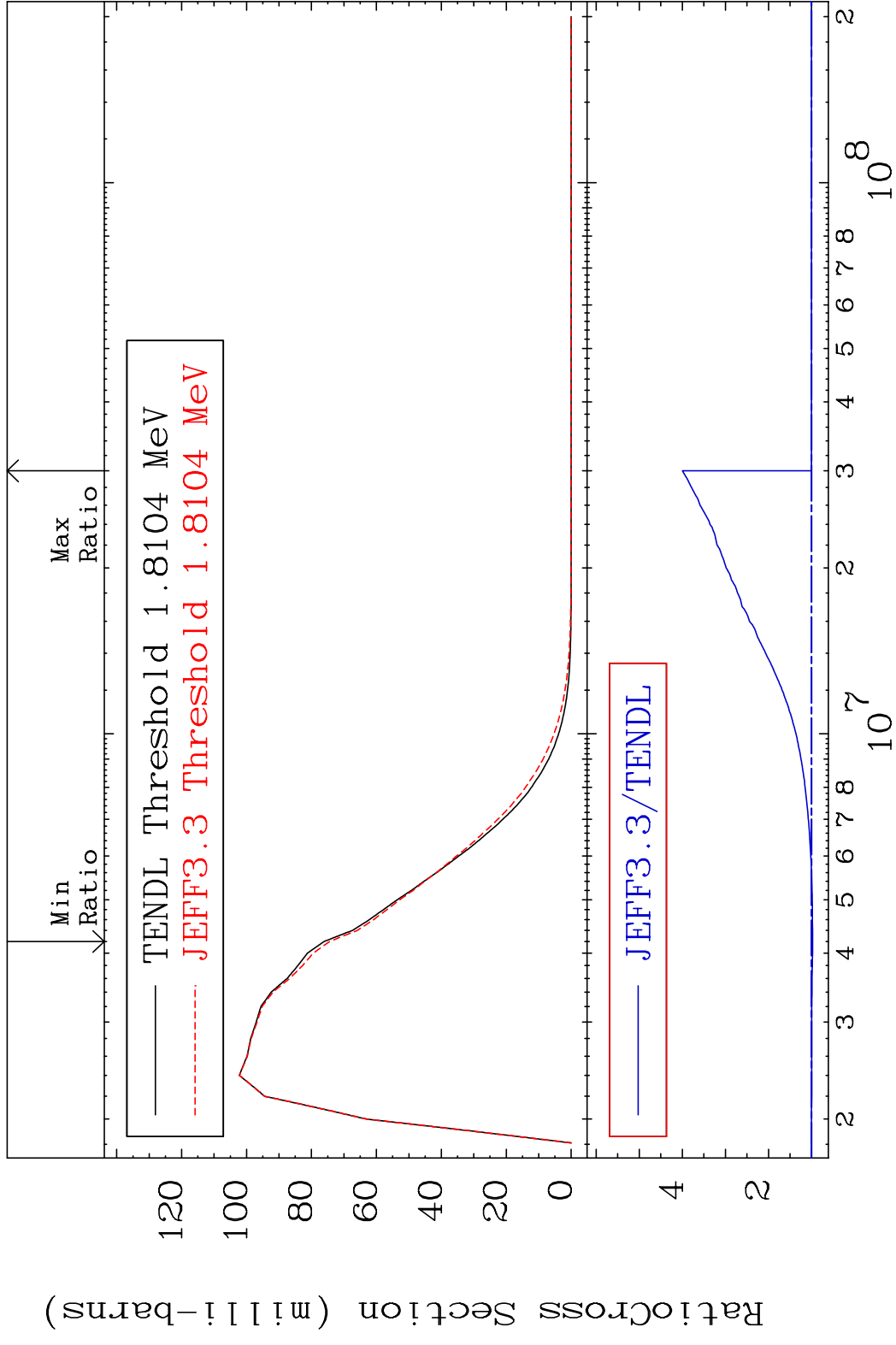
MAT 1528 MT= 54 (n, n') Level 15-P -32
 Cross Section -1.829 To 65.47 %



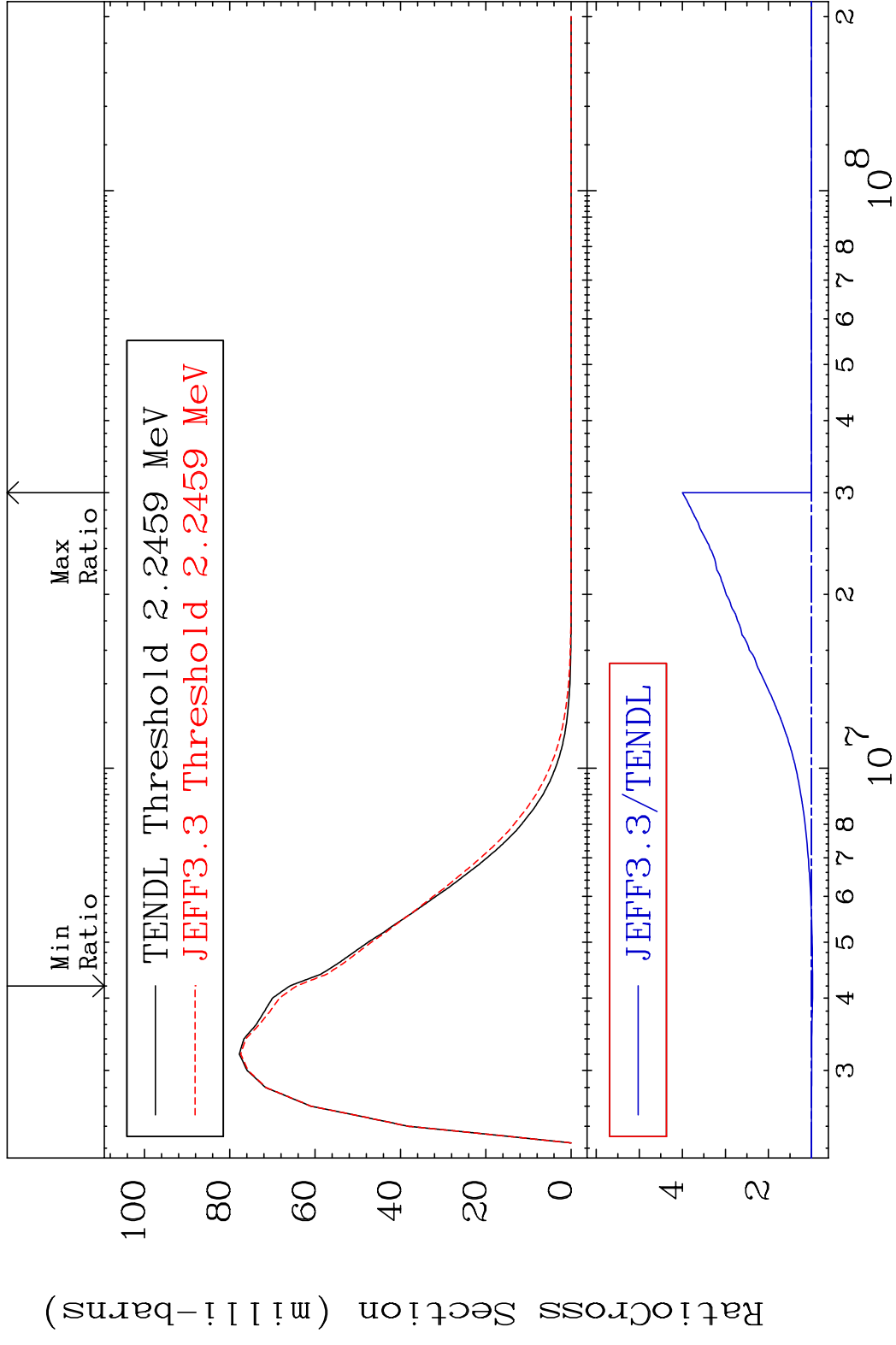
MAT 1528 MT= 55 (n, n') Level 15-P -32
 Cross Section -100.0 To 299.9 %



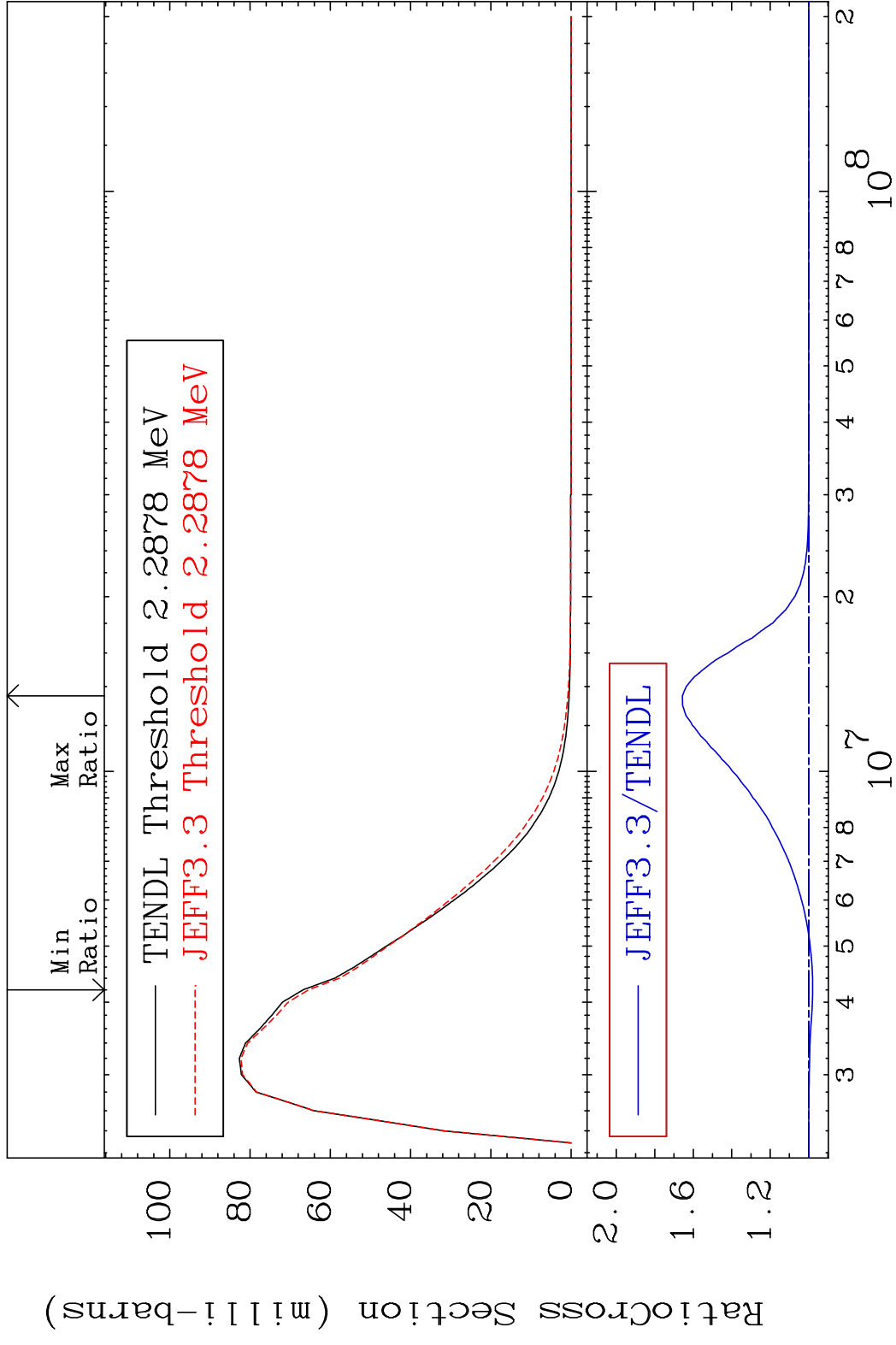
MAT 1528 MT= 56 (n, n') Level 15-P -32
 Cross Section -2.267 To 300.0 %



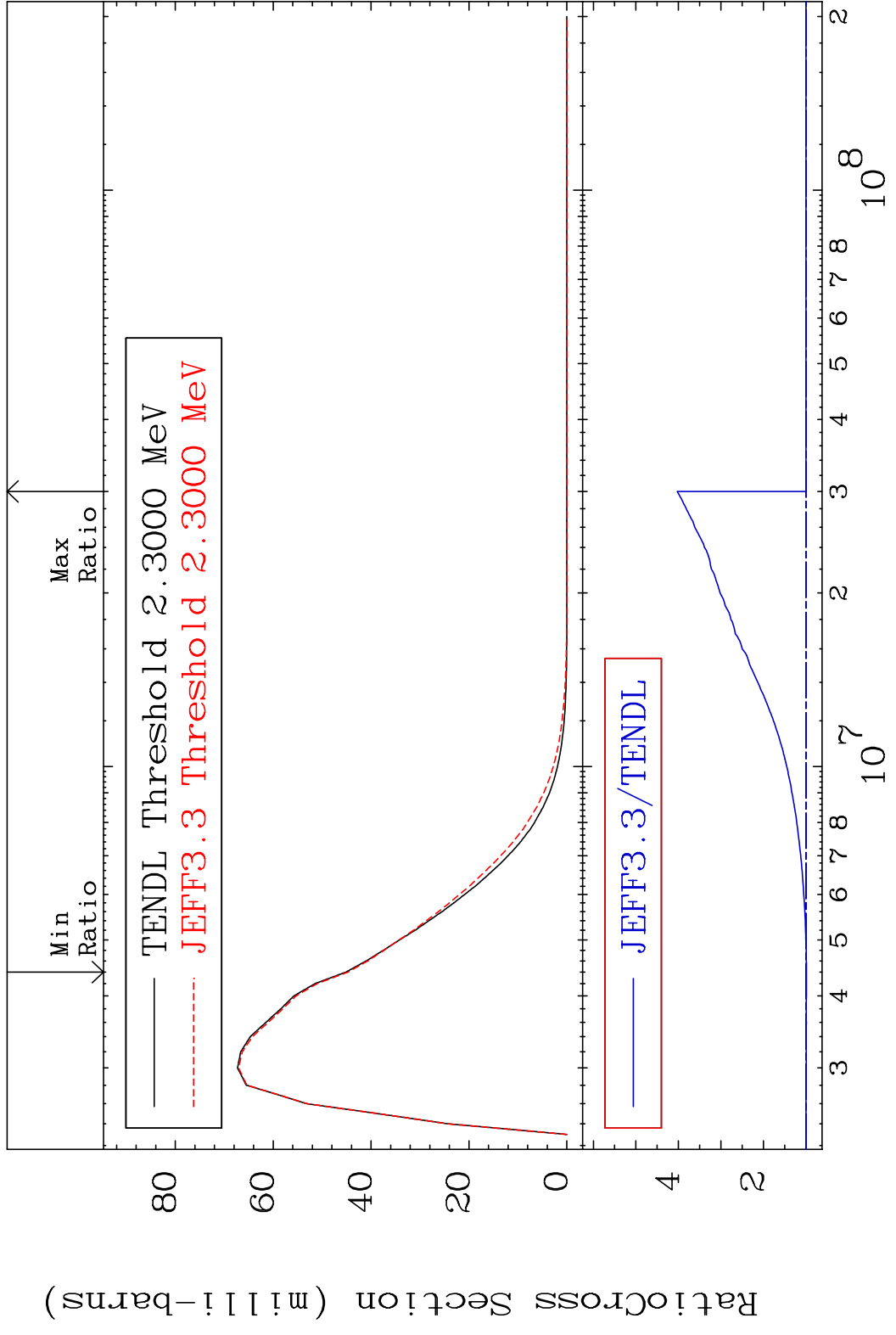
MAT 1528 MT= 57 (n, n') Level 15-P -32
 Cross Section -2.421 To 300.0 %



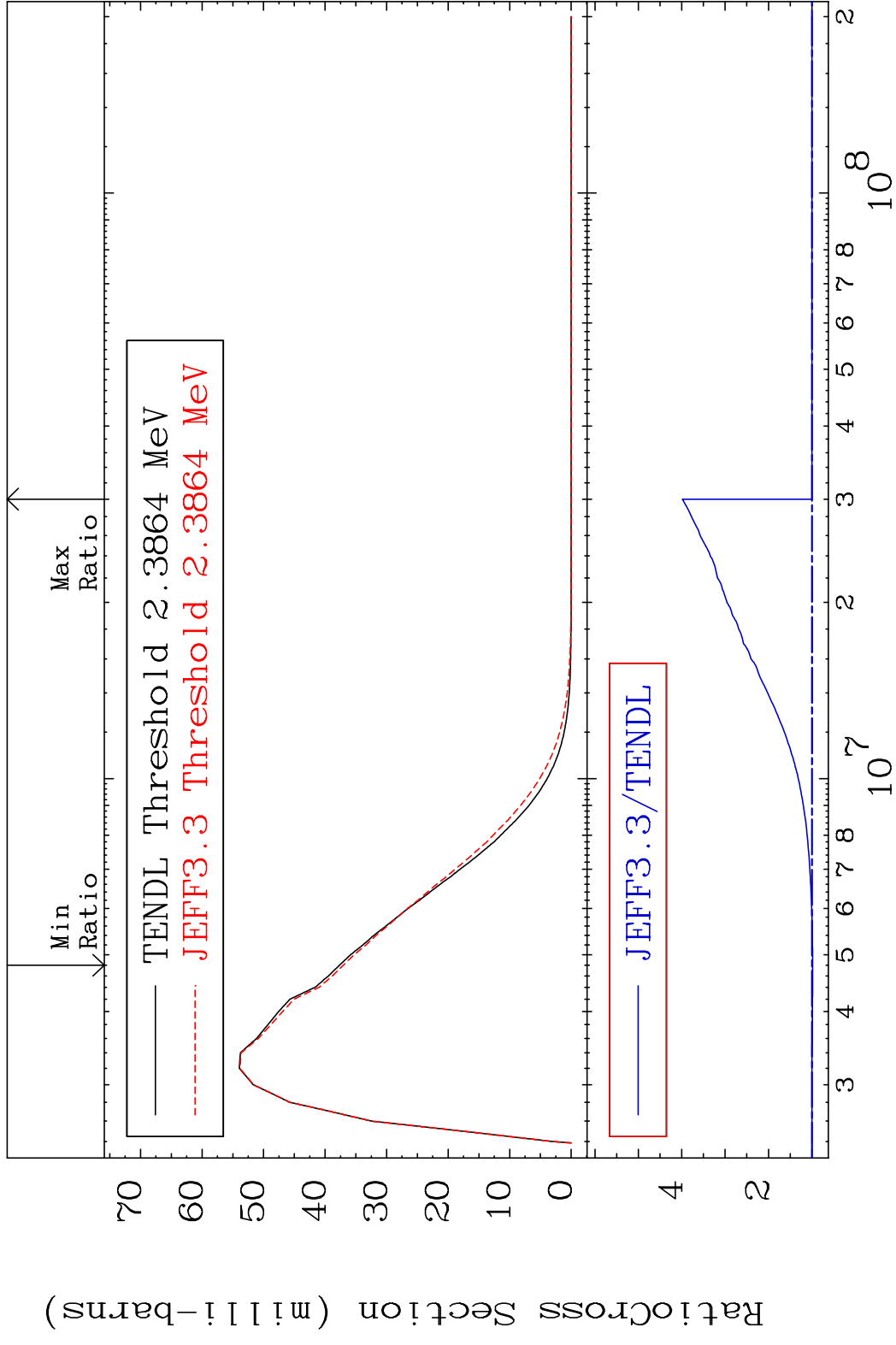
MAT 1528 MT= 58 (n, n') Level 15-P -32
 Cross Section -2.015 To 65.68 %



MAT 1528 MT= 59 (n, n') Level 15-P -32
 Cross Section -0.910 To 302.9 %



MAT 1528 MT= 60 (n, n') Level 15-P -32
 Cross Section -1.636 To 298.6 %

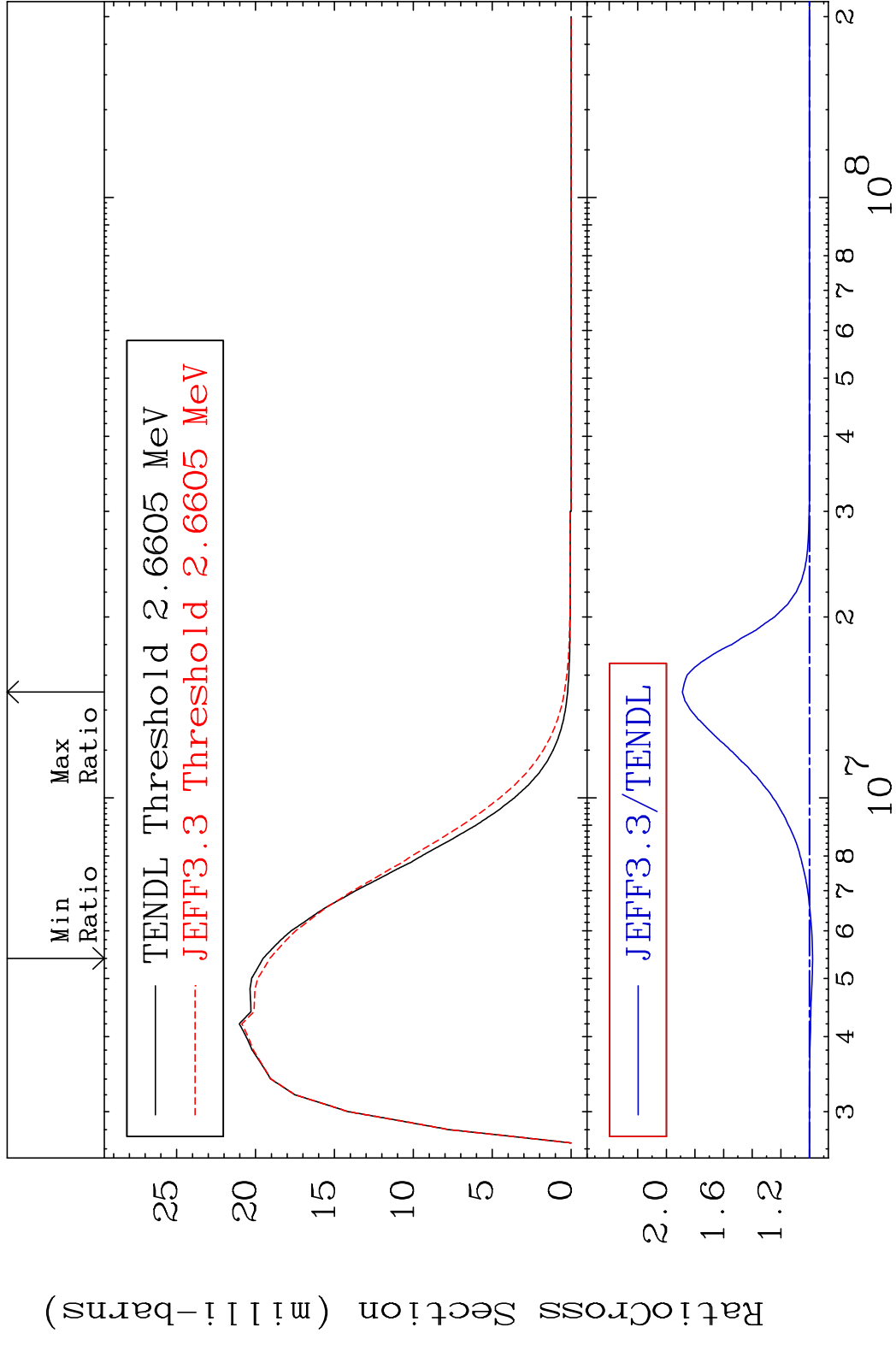


MAT 1528

MT= 61 (n, n') Level

15-P -32

Cross Section -2.175 To 88.81 %

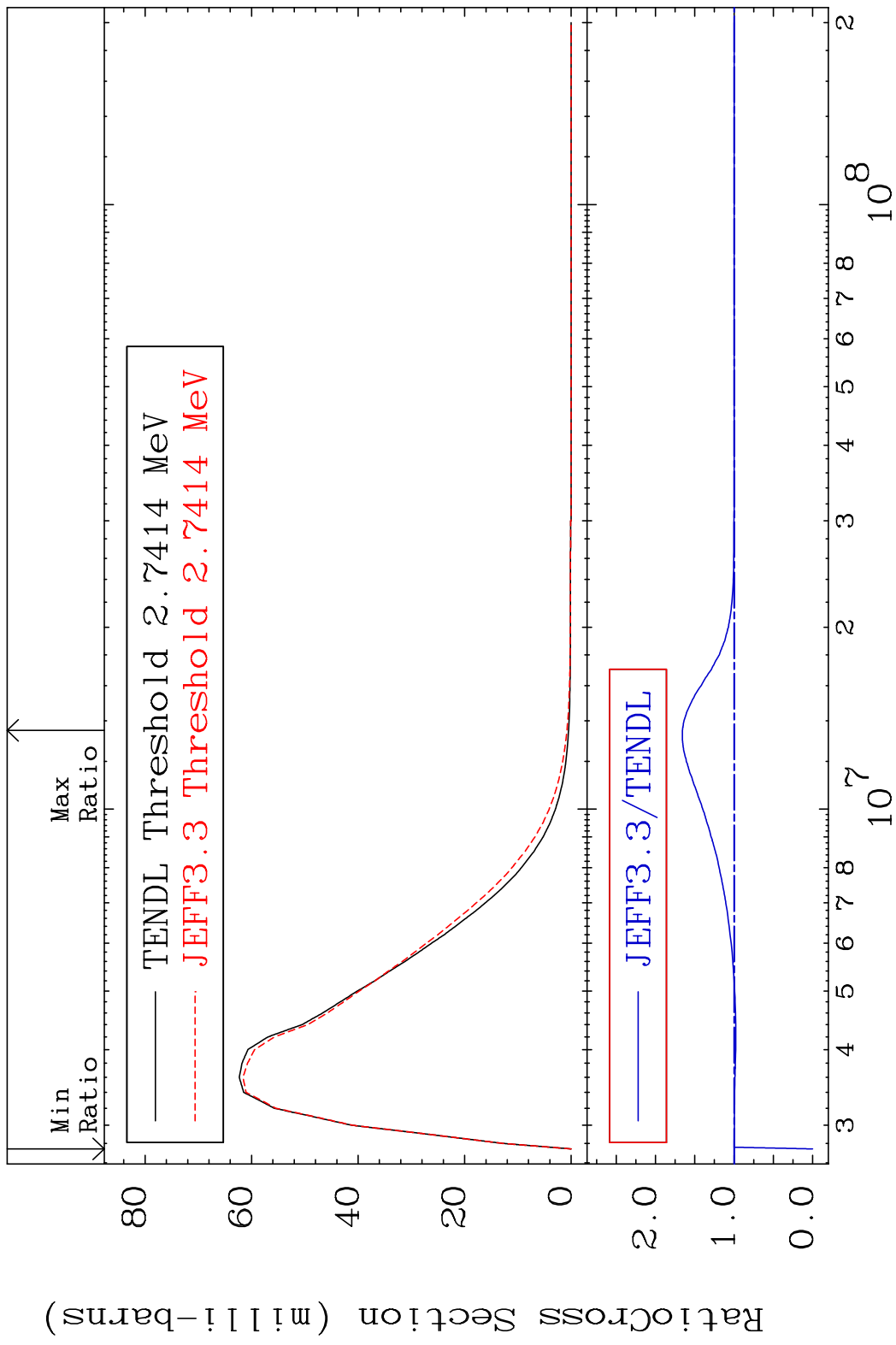


28

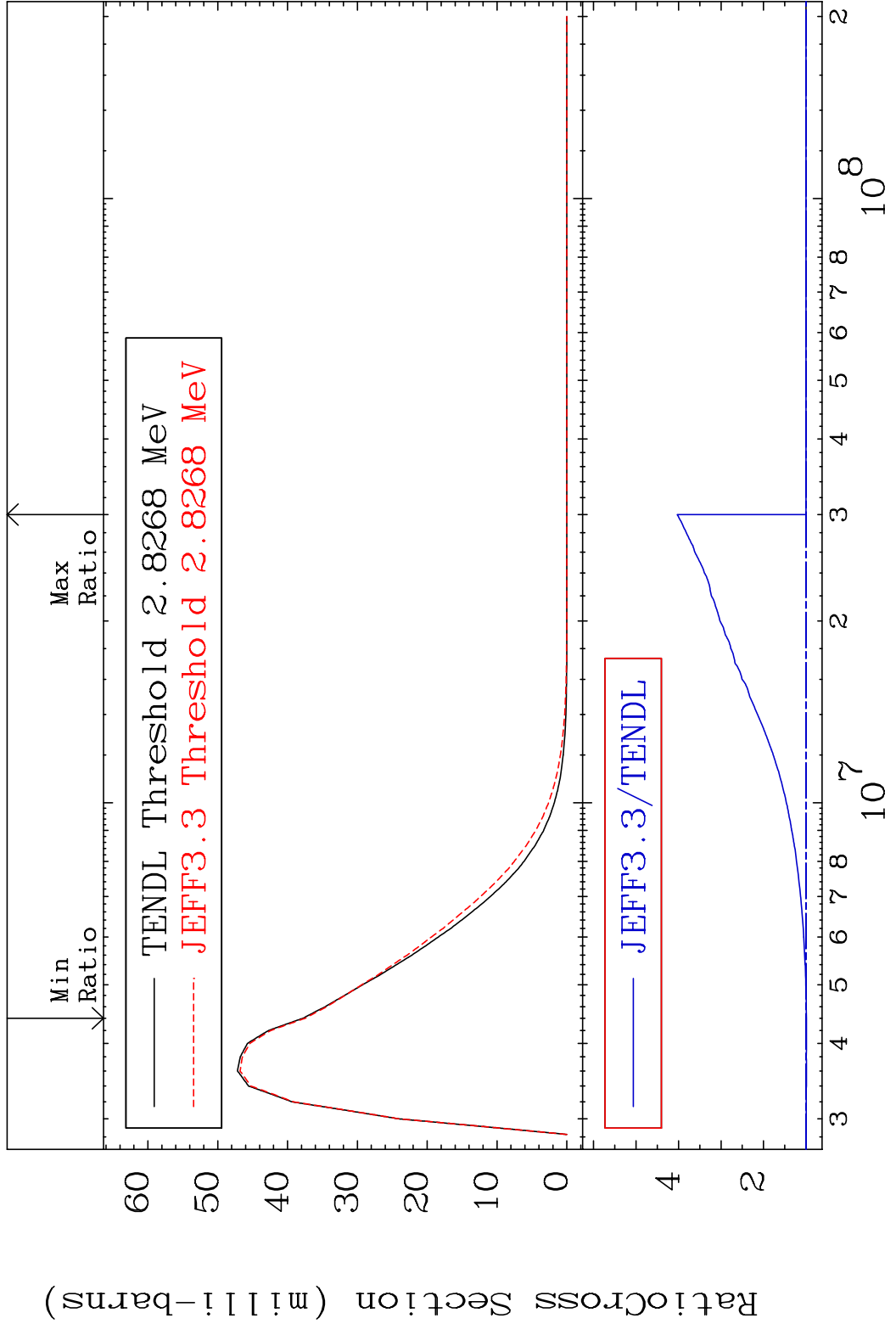
Incident Energy (eV)

15-P -32

MAT 1528 MT= 62 (n, n') Level 15-P -32
 Cross Section -100.0 To 65.85 %

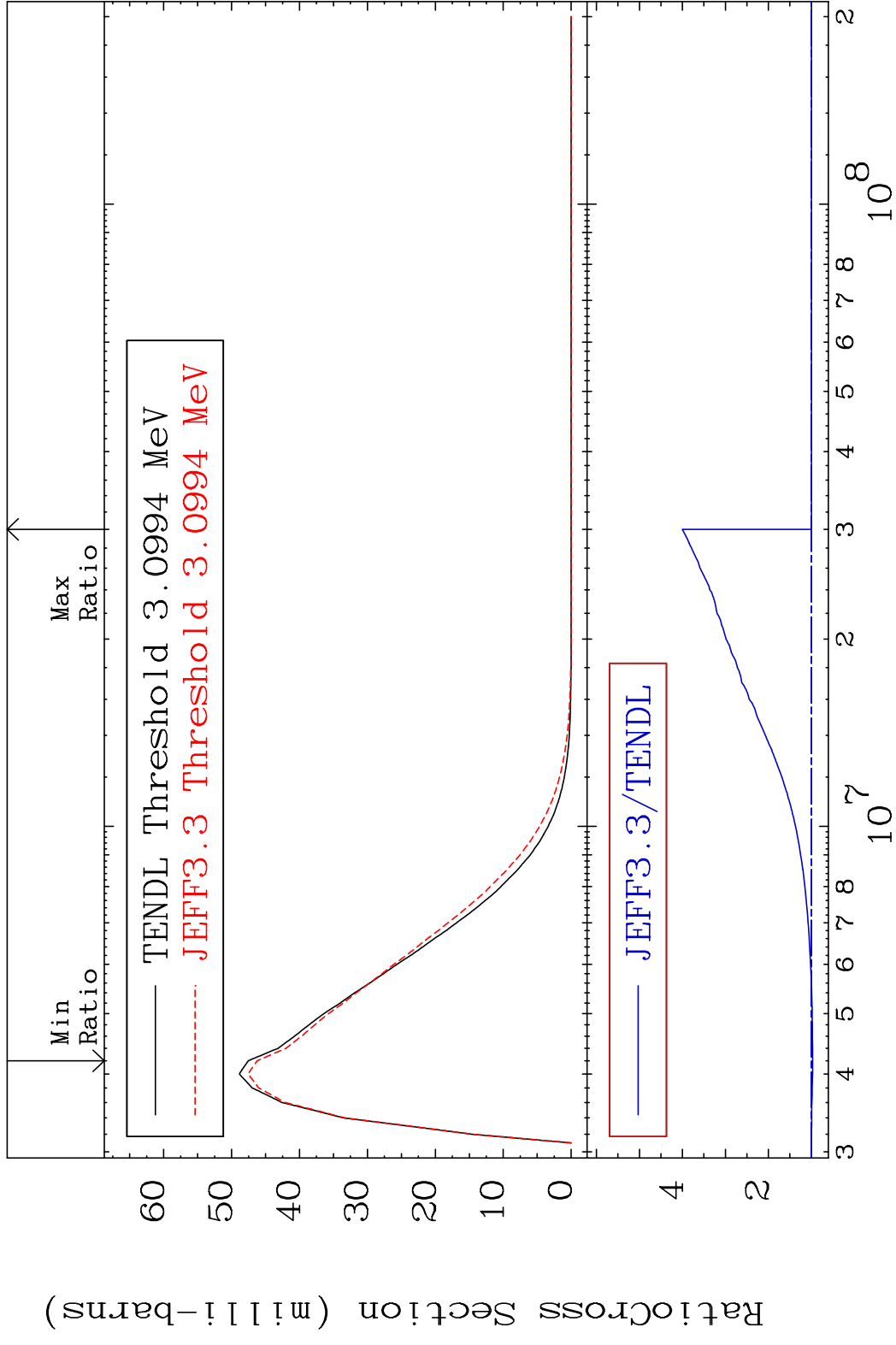


MAT 1528 MT= 63 (n, n') Level 15-P -32
 Cross Section -0.821 To 303.1 %

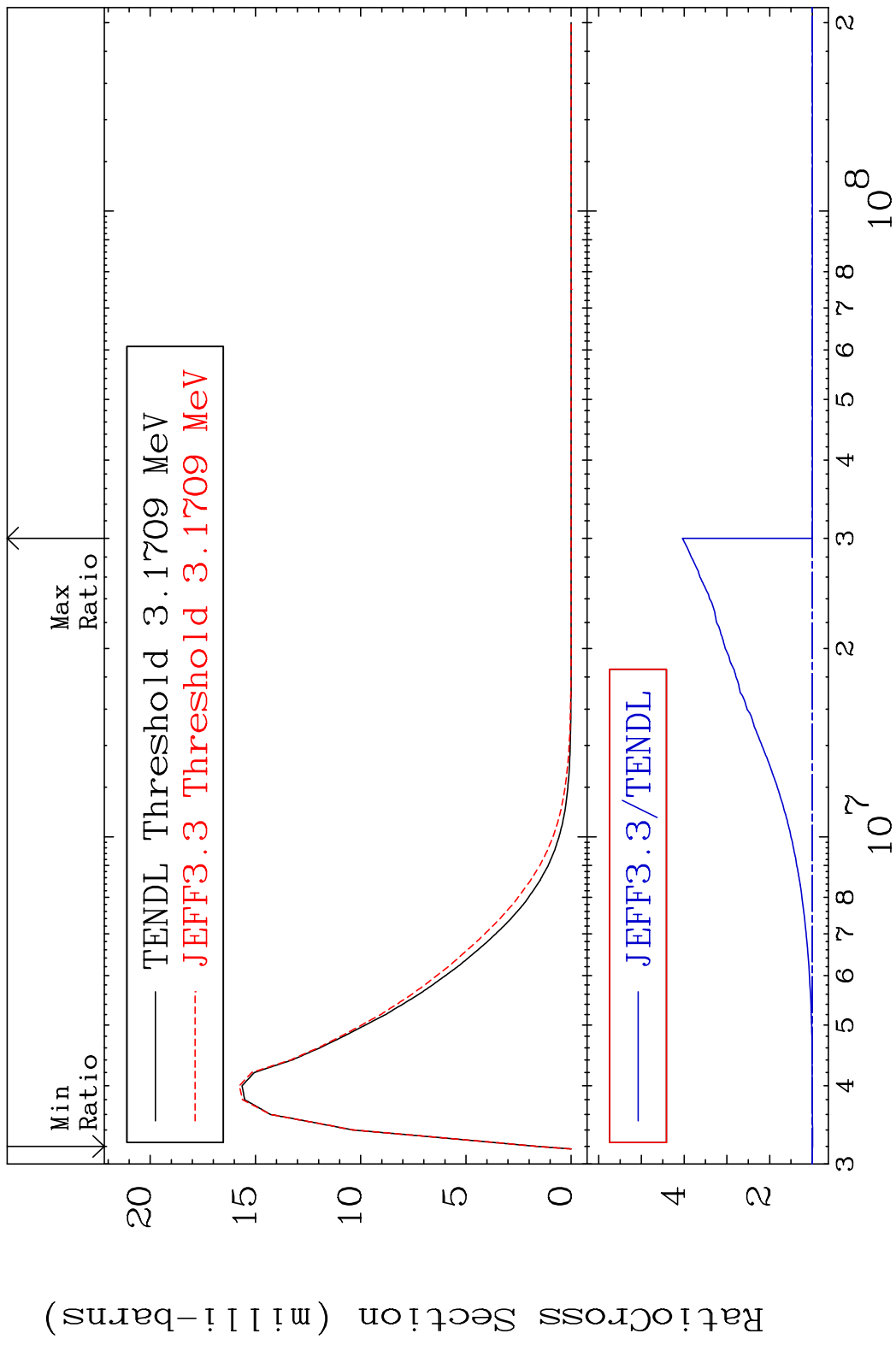


30 Incident Energy (eV) 15-P -32

MAT 1528 MT= 64 (n, n') Level 15-P -32
 Cross Section -2.768 To 300.1 %

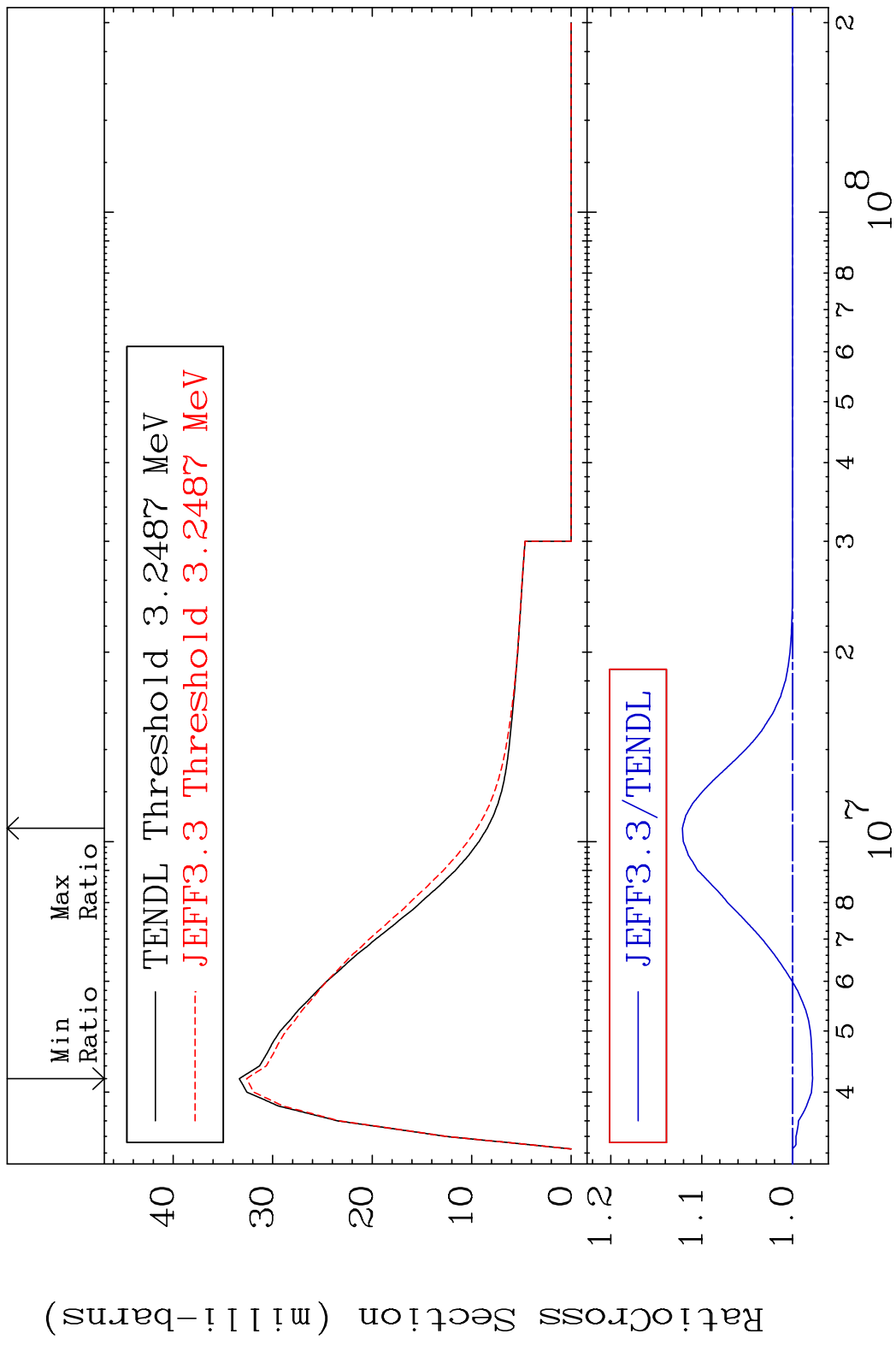


MAT 1528 MT= 65 (n, n') Level 15-P -32
 Cross Section -0.392 To 304.2 %

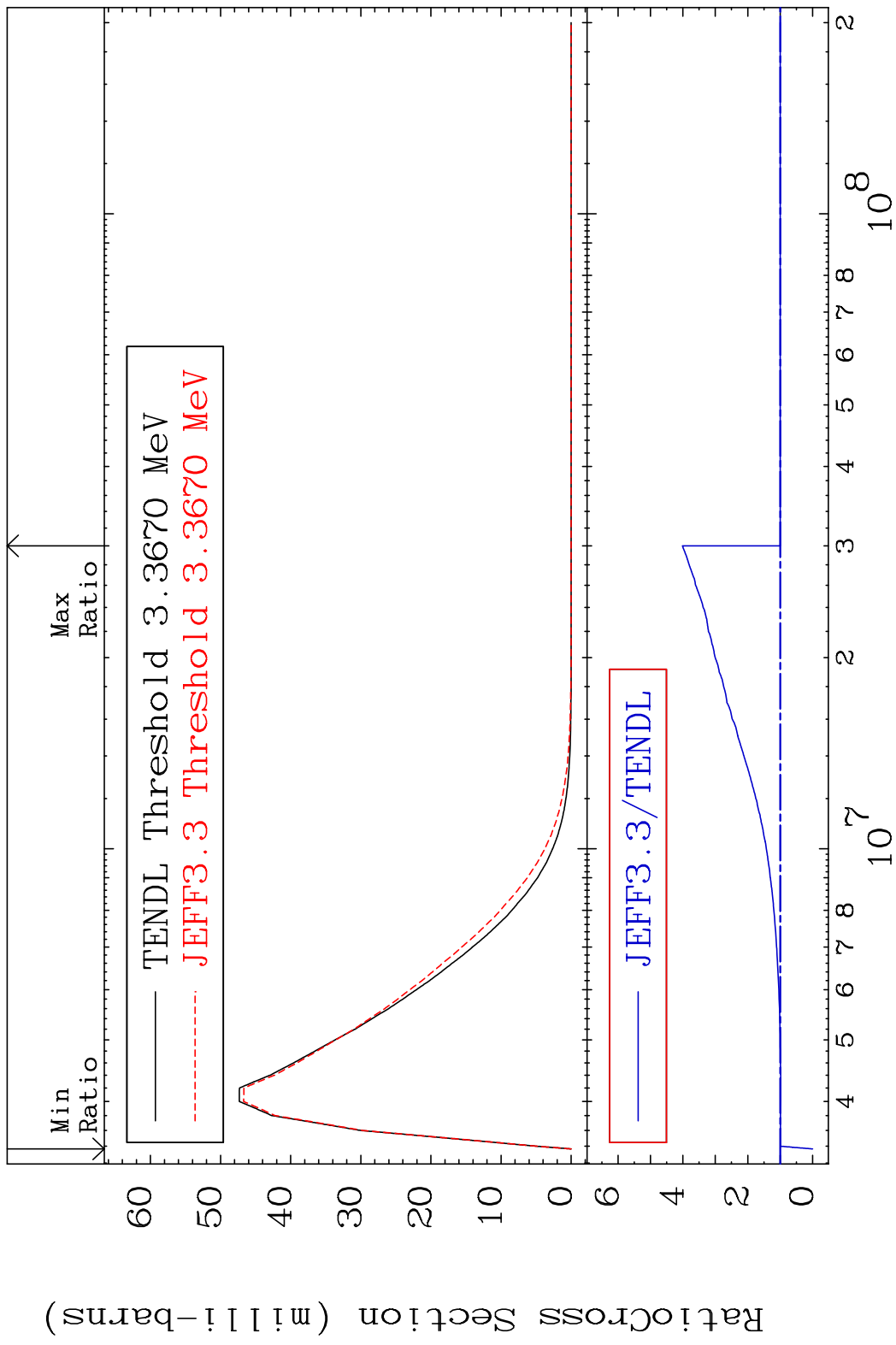


32 Incident Energy (eV) 15-P -32

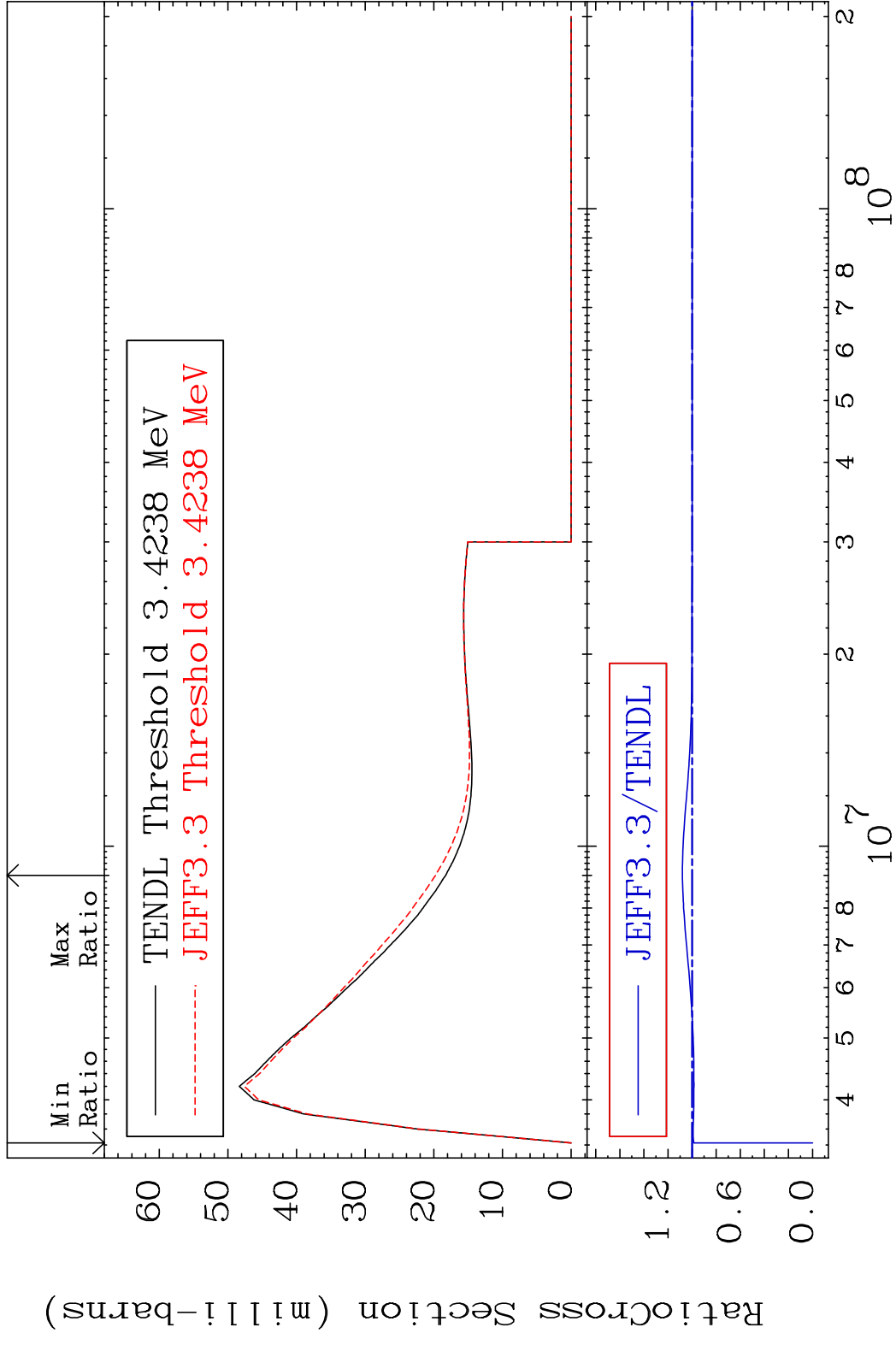
MAT 1528 MT= 66 (n, n') Level 15-P -32
 Cross Section -2.194 To 12.12 %



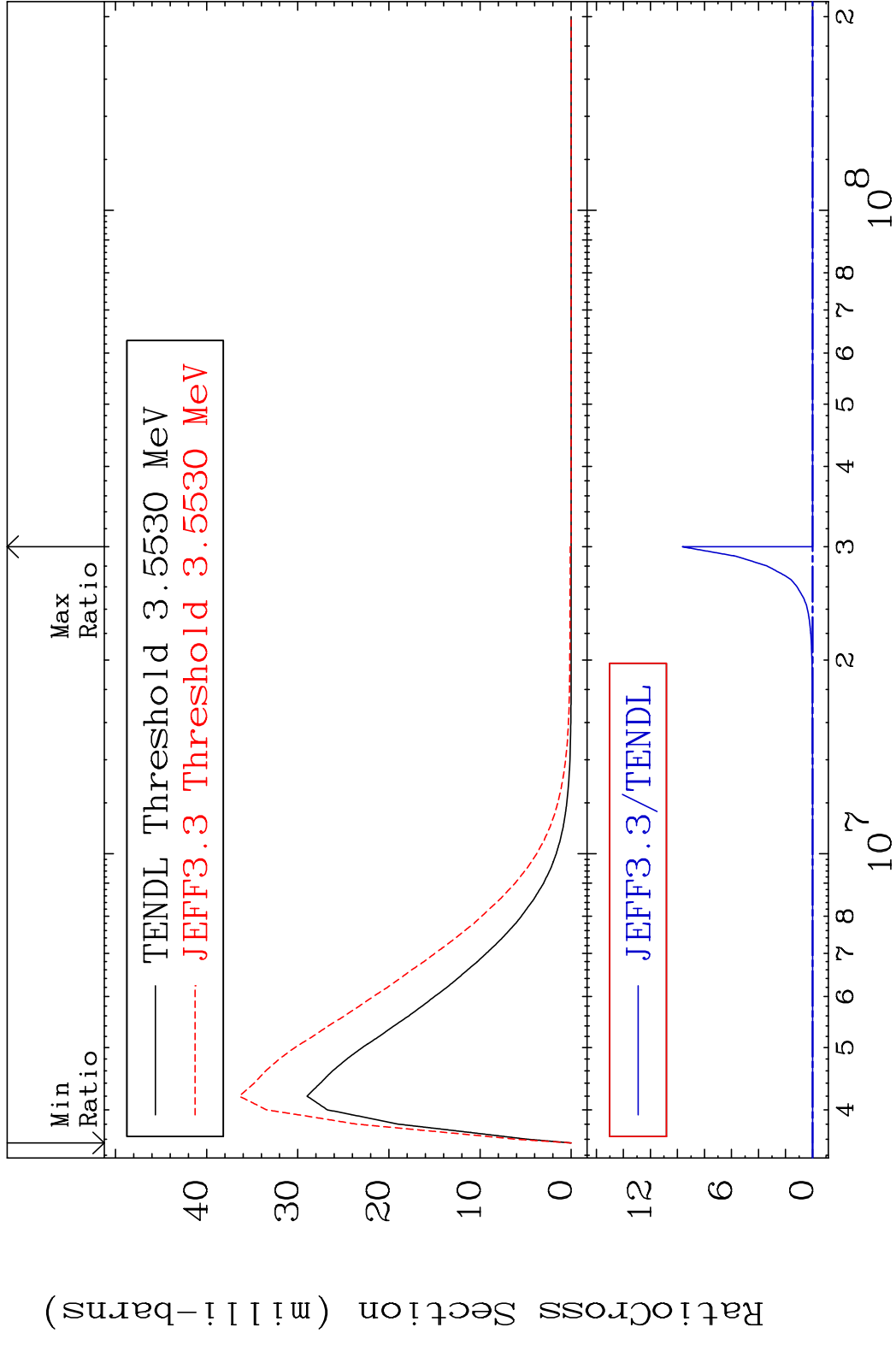
MAT 1528 MT= 67 (n, n') Level 15-P -32
 Cross Section -100.0 To 301.7 %



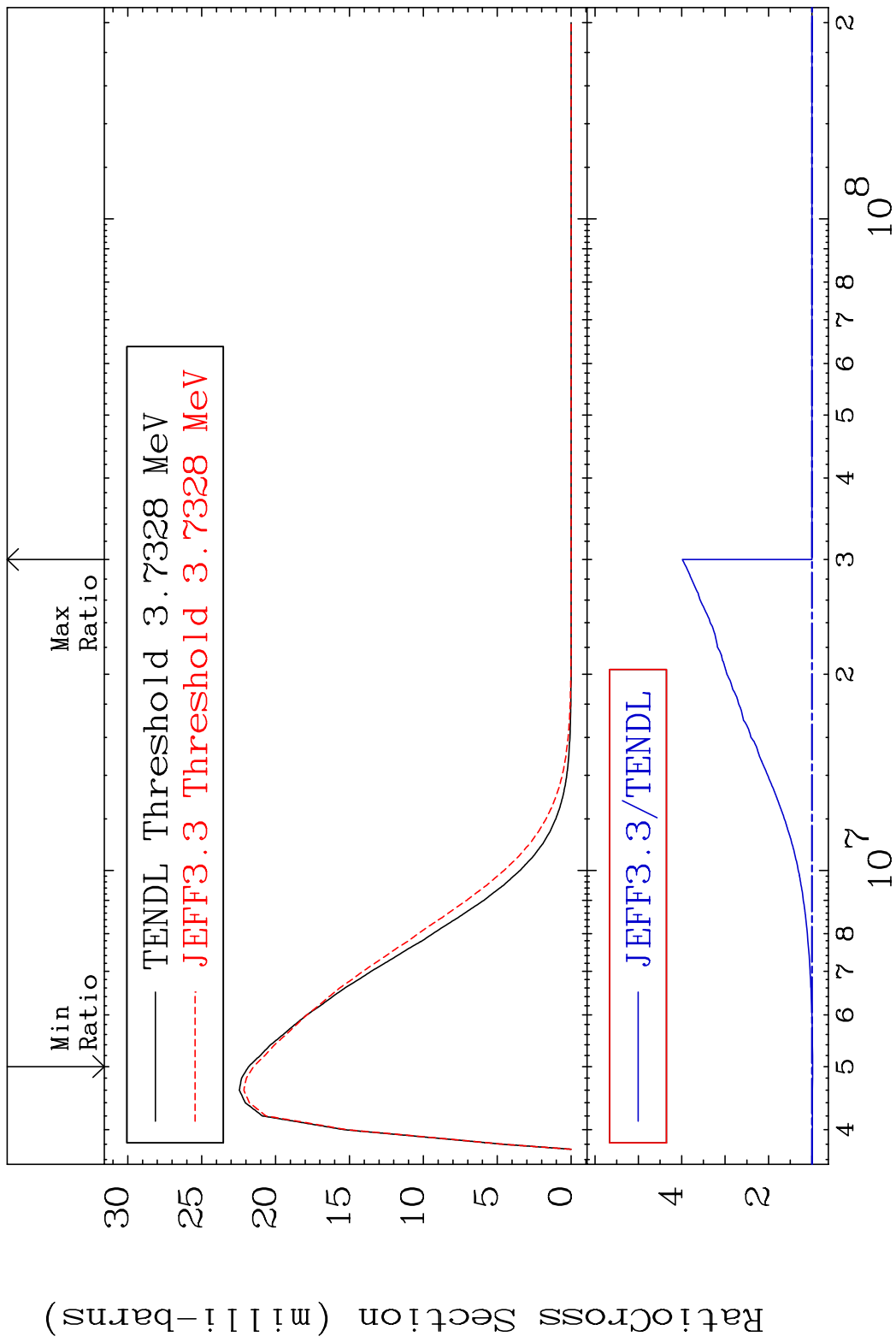
MAT 1528 MT= 68 (n, n') Level 15-P -32
 Cross Section -100.0 To 8.079 %



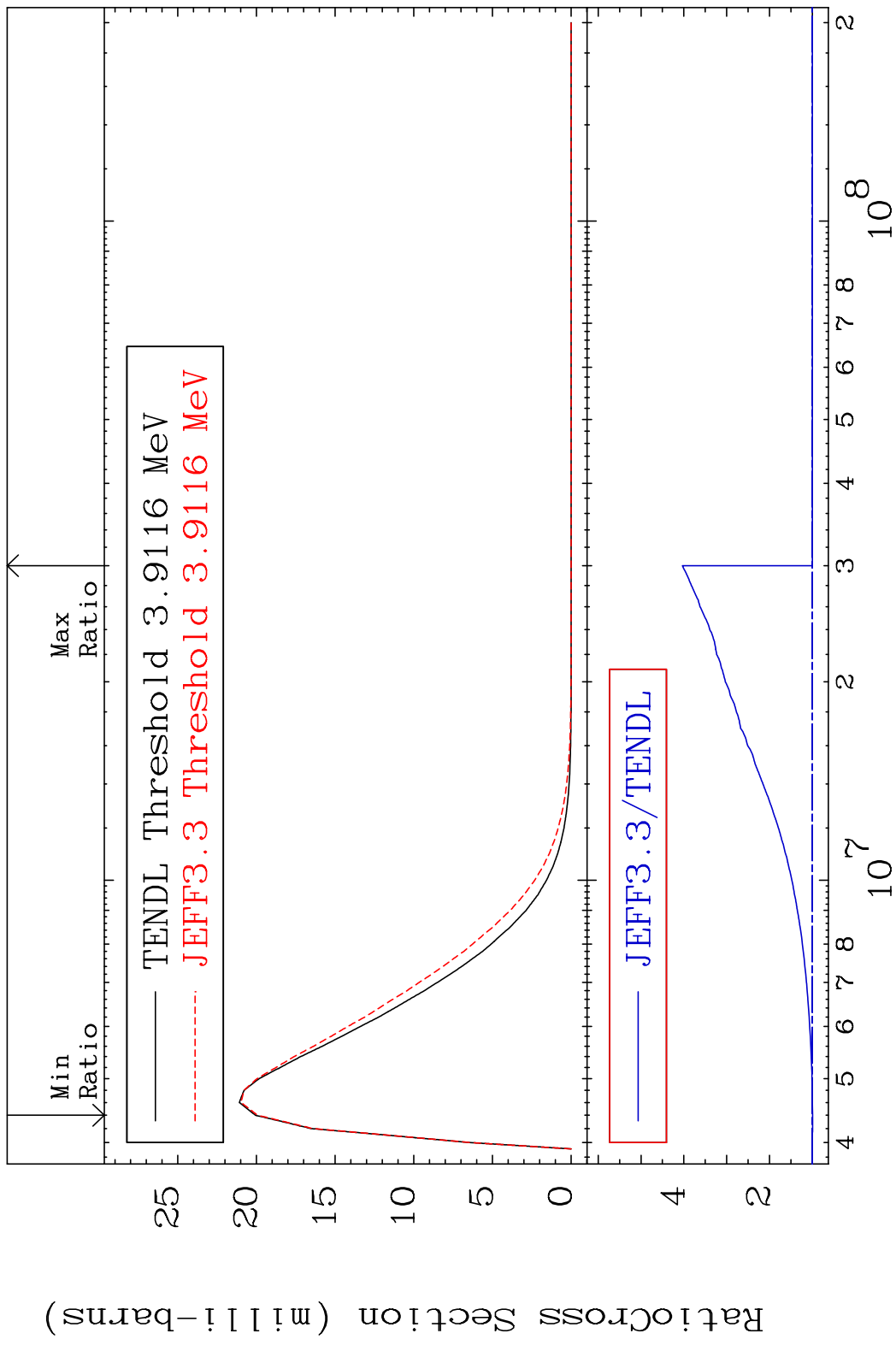
MAT 1528 MT= 69 (n, n') Level 15-P -32
 Cross Section -100.0 To 9999. %



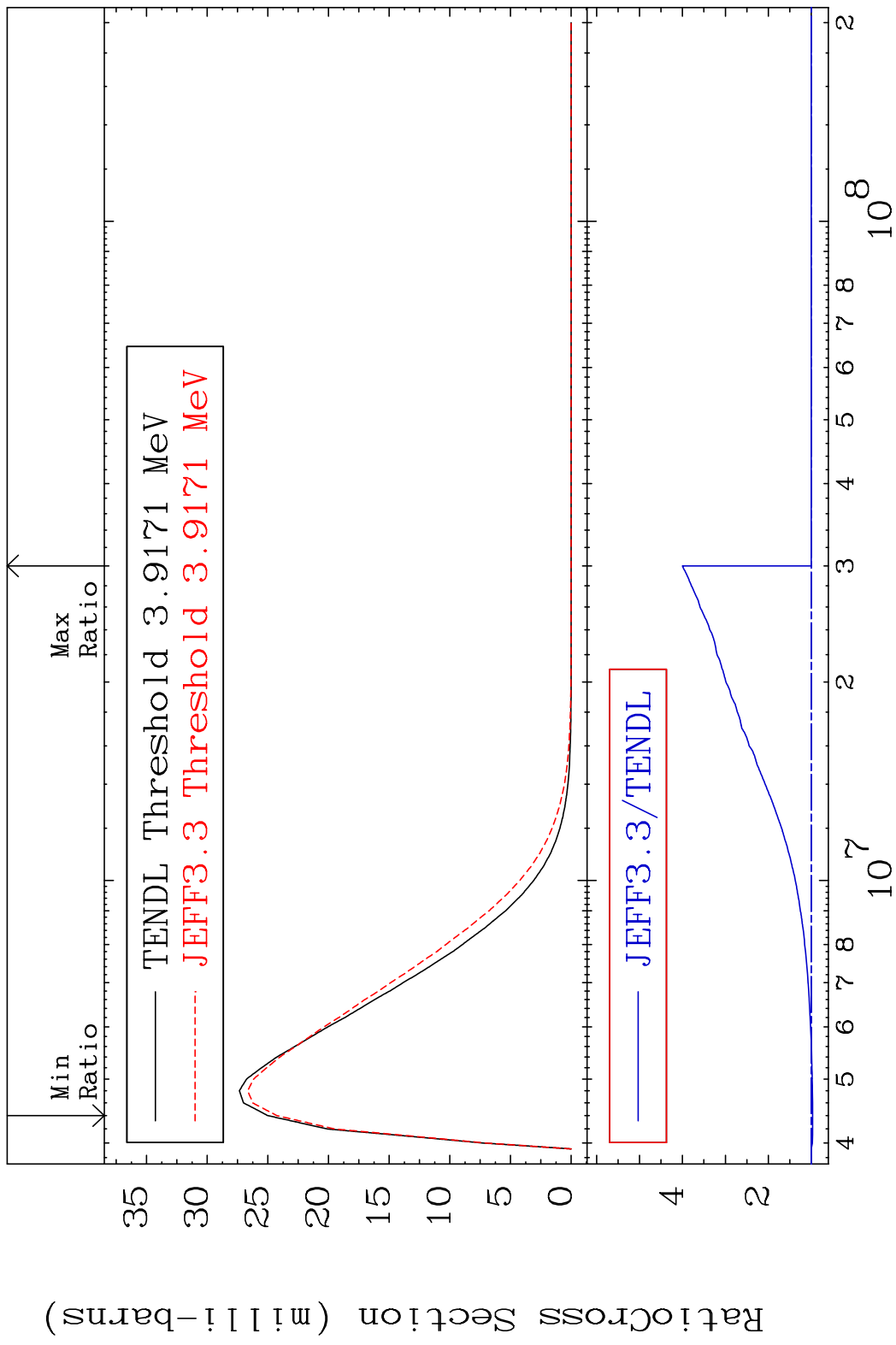
MAT 1528 MT= 70 (n, n') Level 15-P -32
 Cross Section -1.529 To 298.6 %



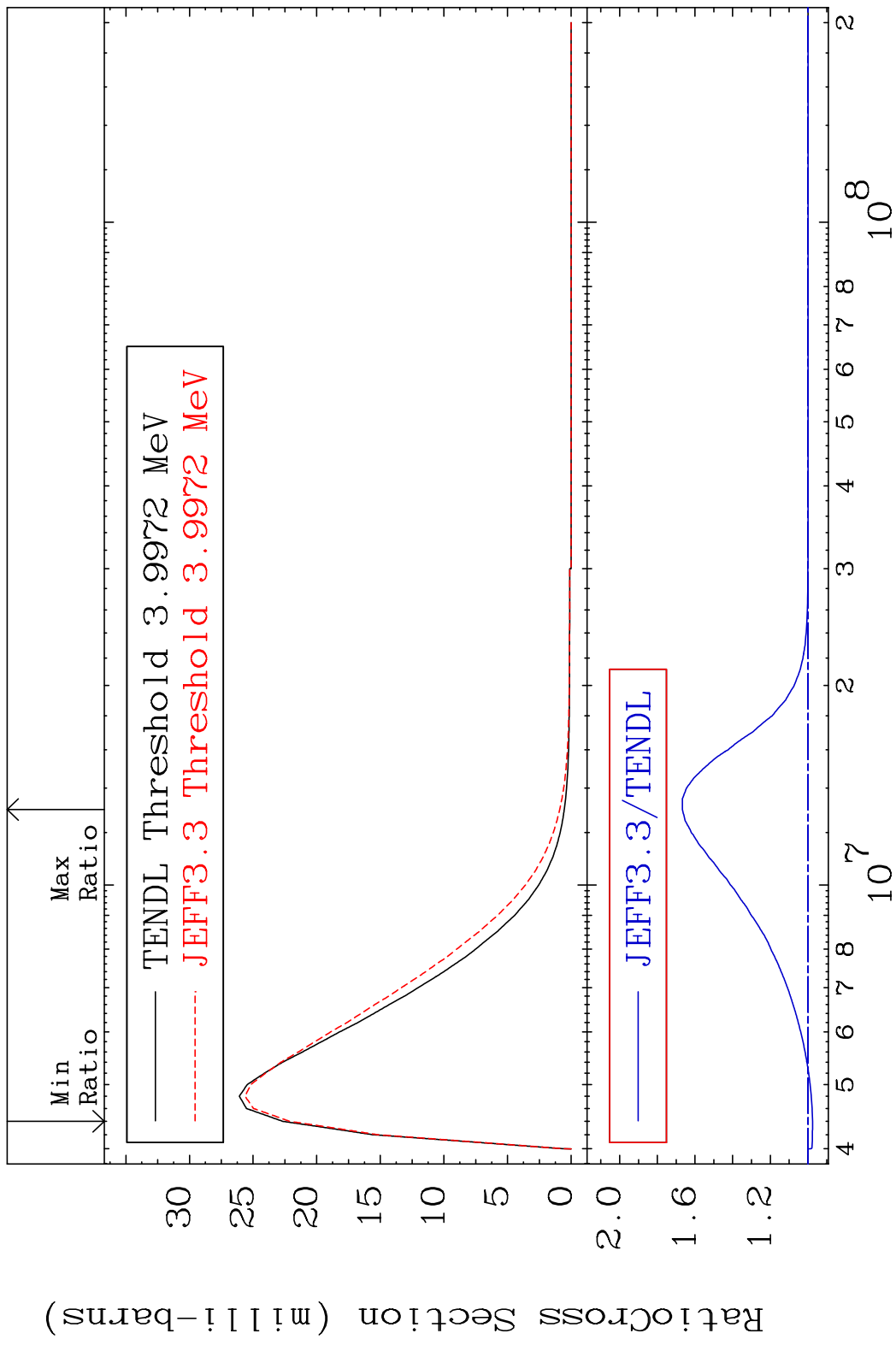
MAT 1528 MT= 71 (n, n') Level 15-P -32
 Cross Section -0.680 To 303.4 %



MAT 1528 MT= 72 (n, n') Level 15-P -32
 Cross Section -2.958 To 300.2 %

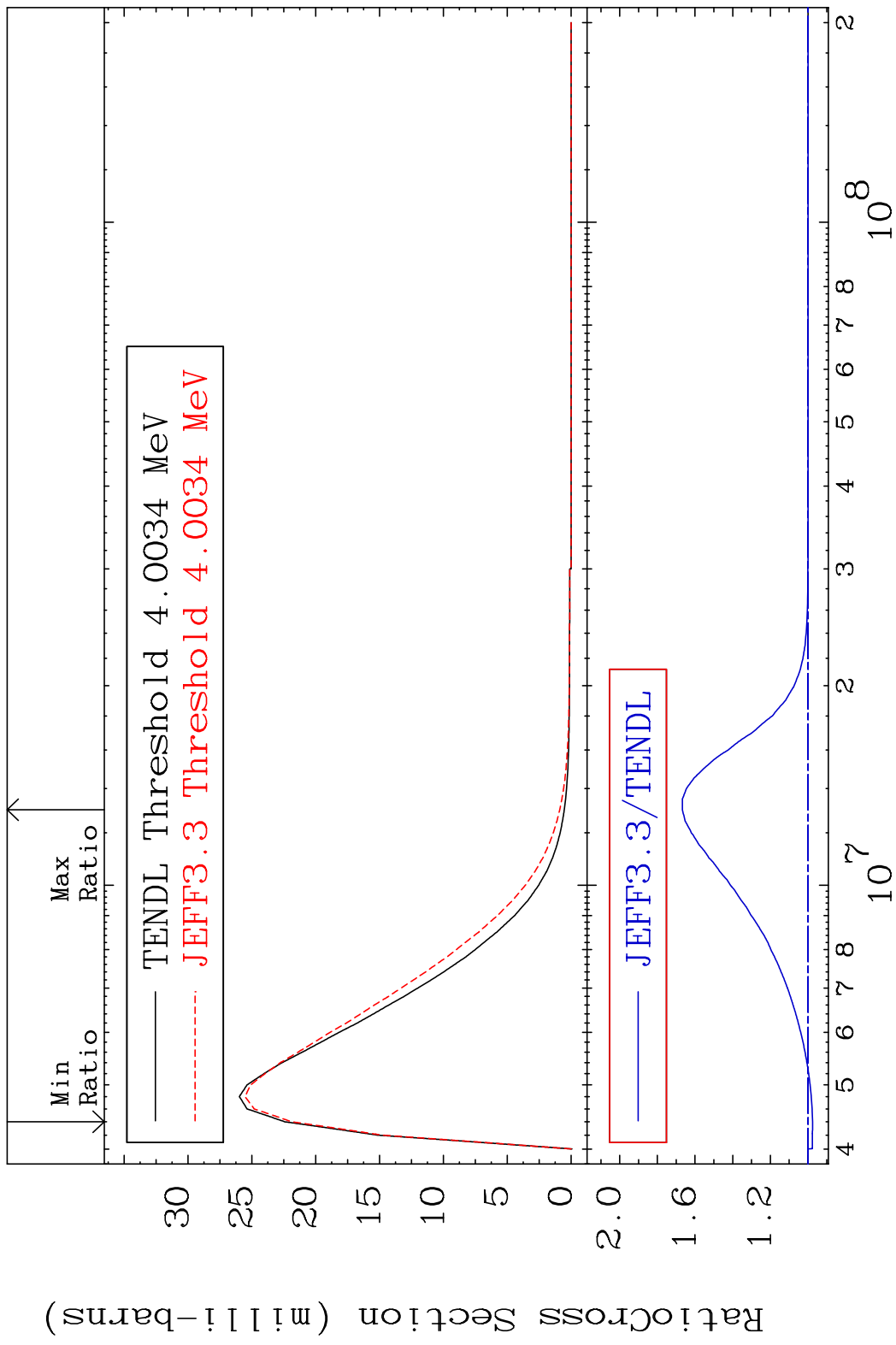


MAT 1528 MT= 73 (n, n') Level 15-P -32
 Cross Section -2.421 To 66.72 %

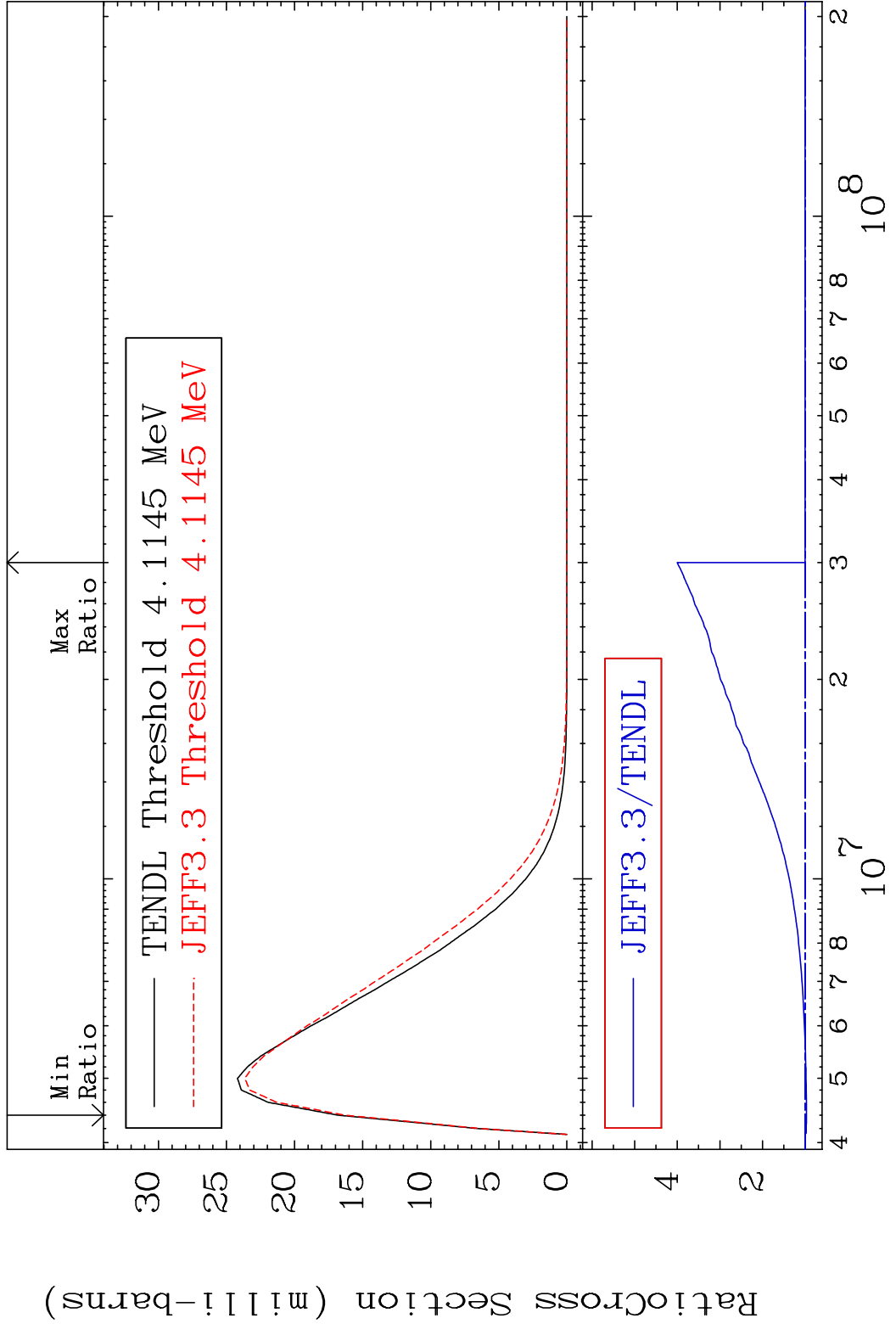


40 Incident Energy (eV) 15-P -32

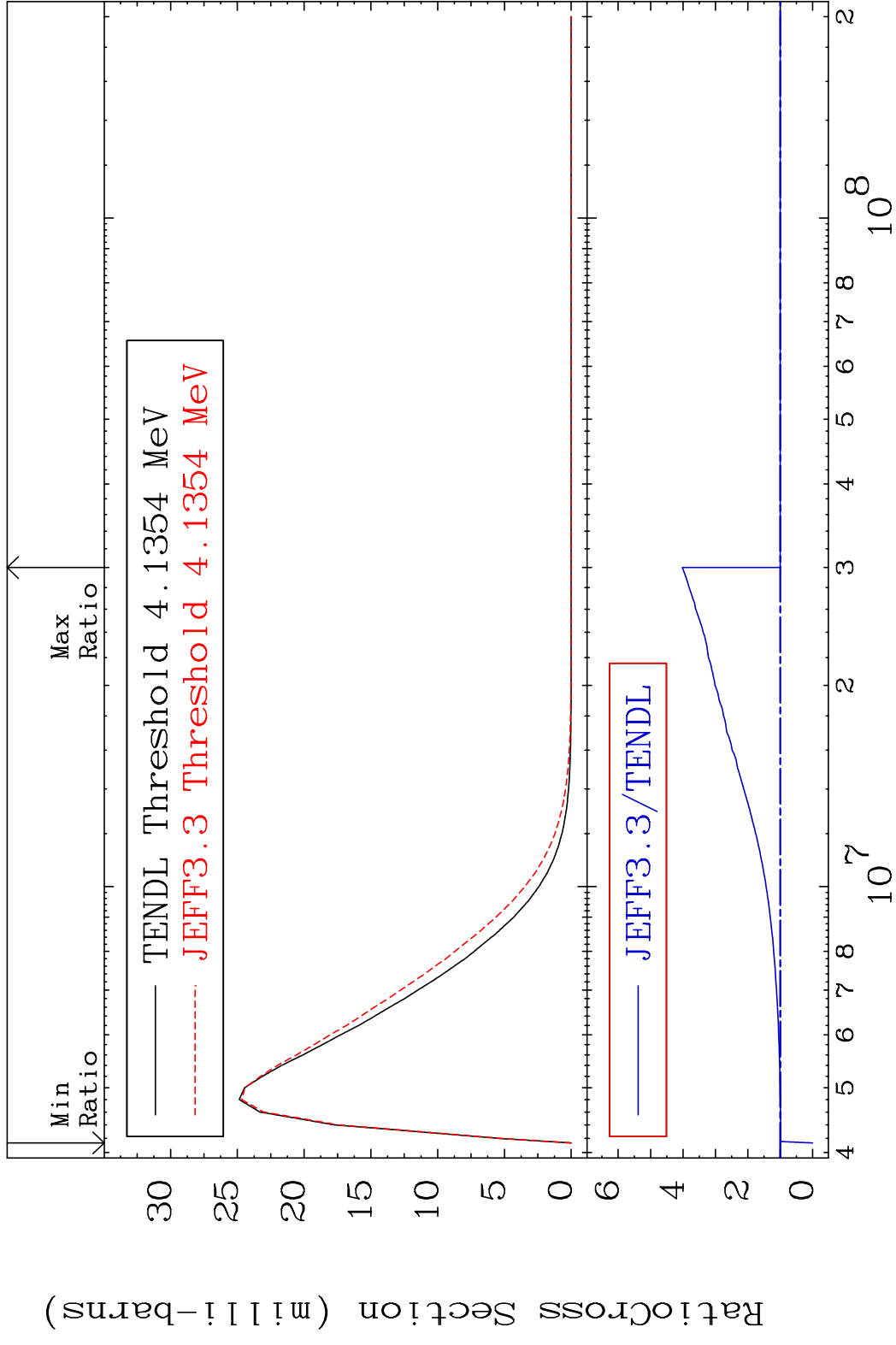
MAT 1528 MT= 74 (n,n') Level 15-P -32
 Cross Section -2.421 To 66.72 %



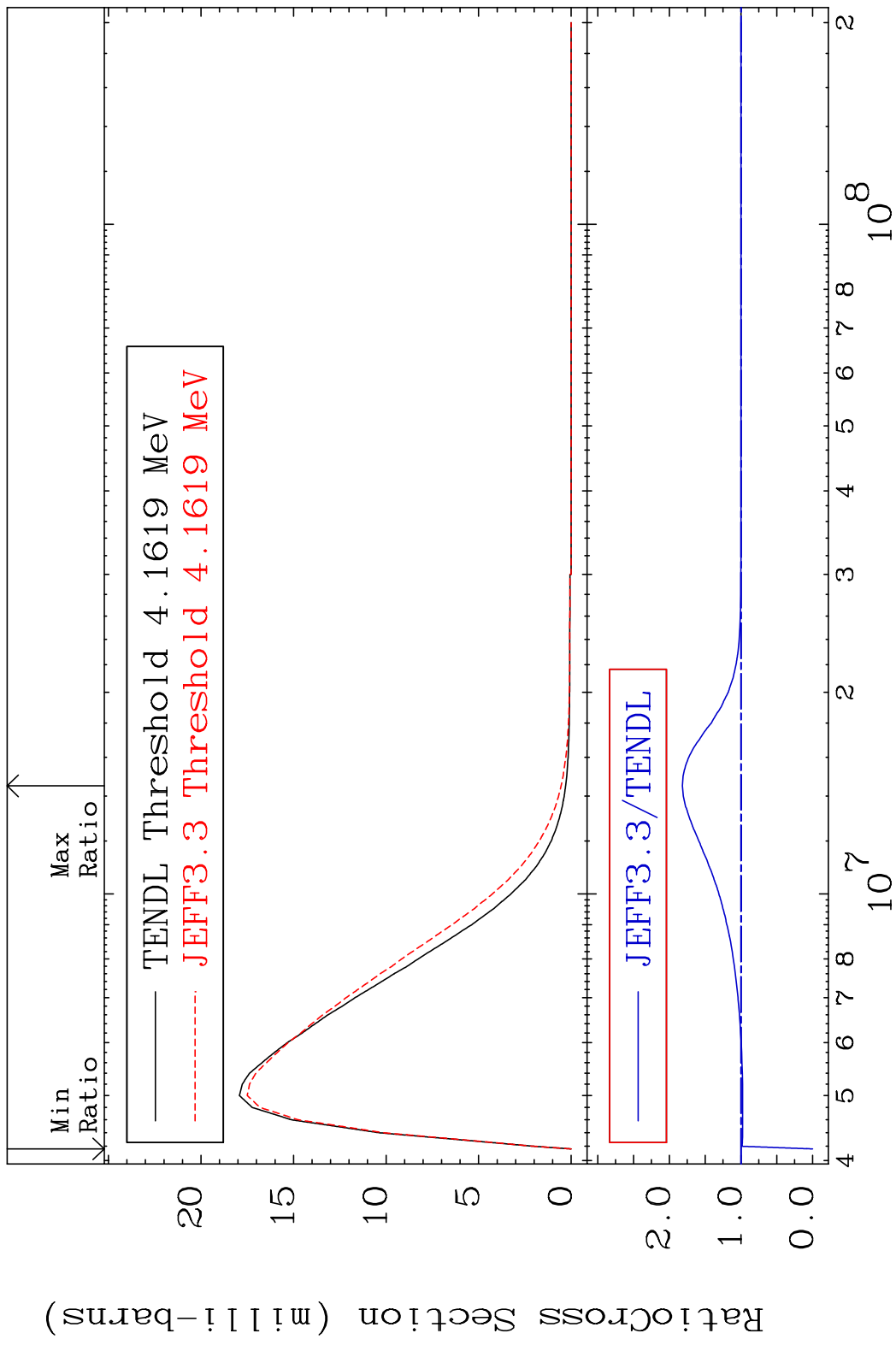
MAT 1528 MT= 75 (n, n') Level 15-P -32
 Cross Section -2.933 To 300.2 %



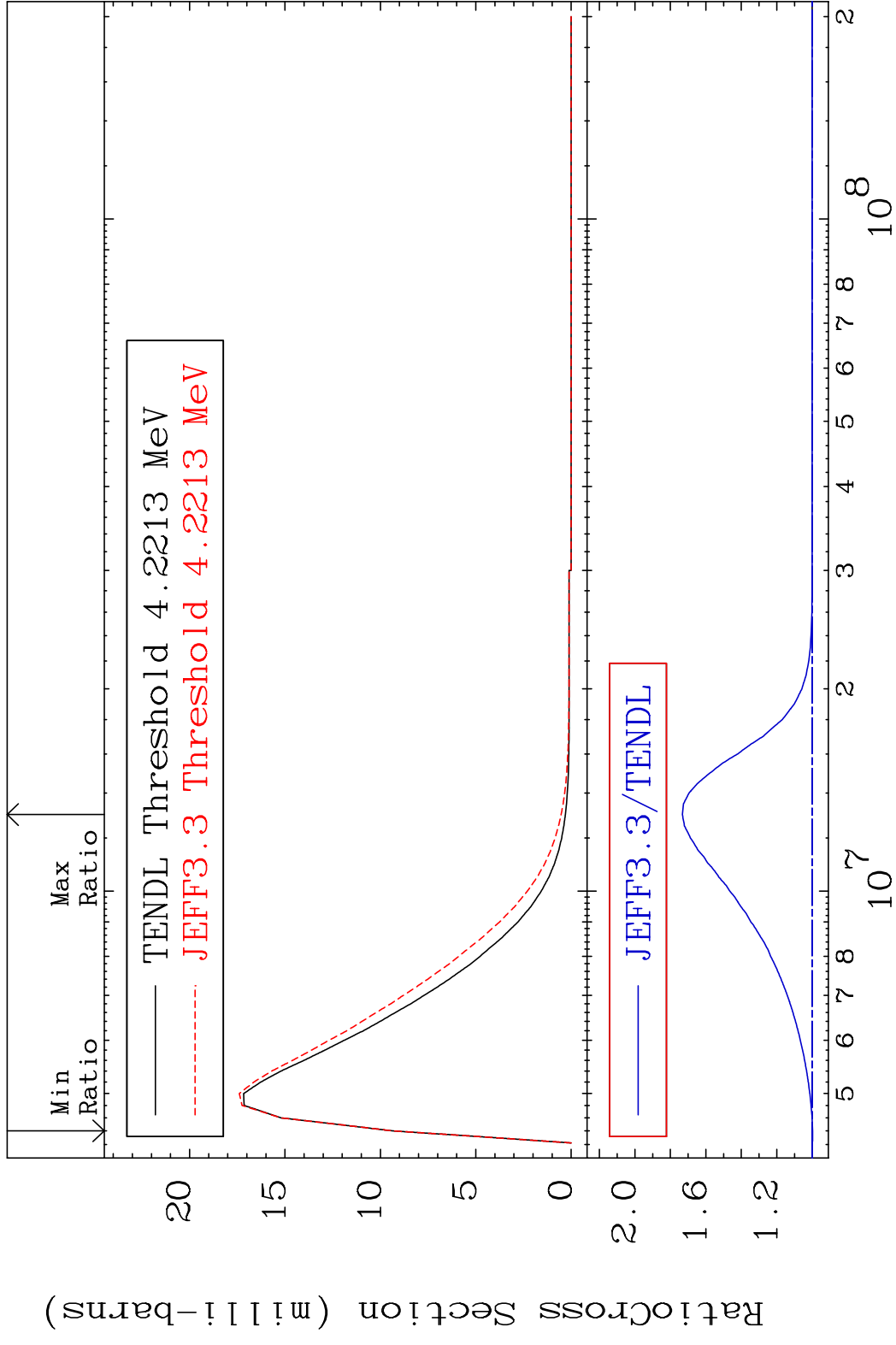
MAT 1528 MT= 76 (n, n') Level 15-P -32
 Cross Section -100.0 To 301.9 %



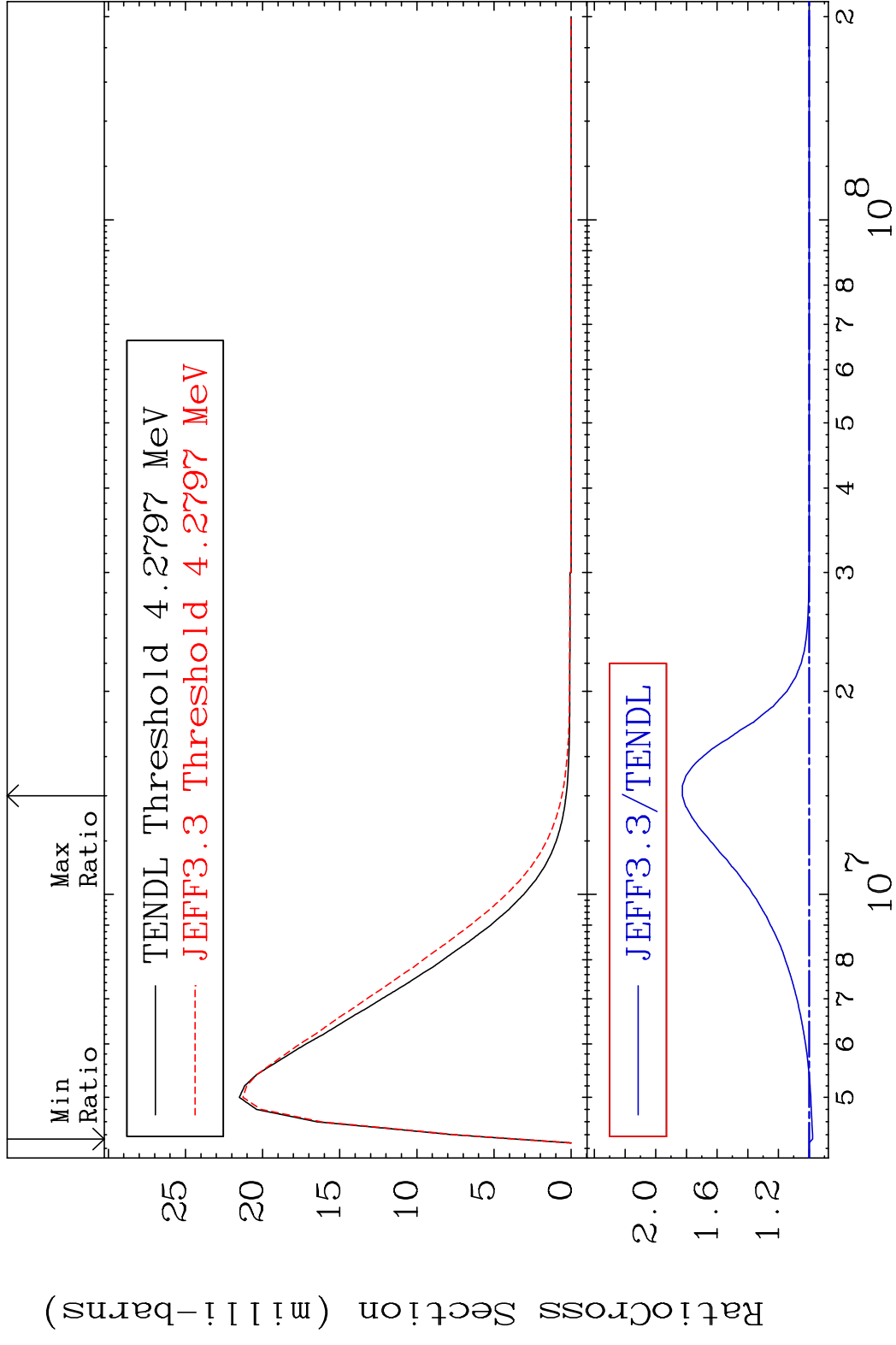
MAT 1528 MT= 77 (n, n') Level 15-P -32
 Cross Section -100.0 To 81.80 %



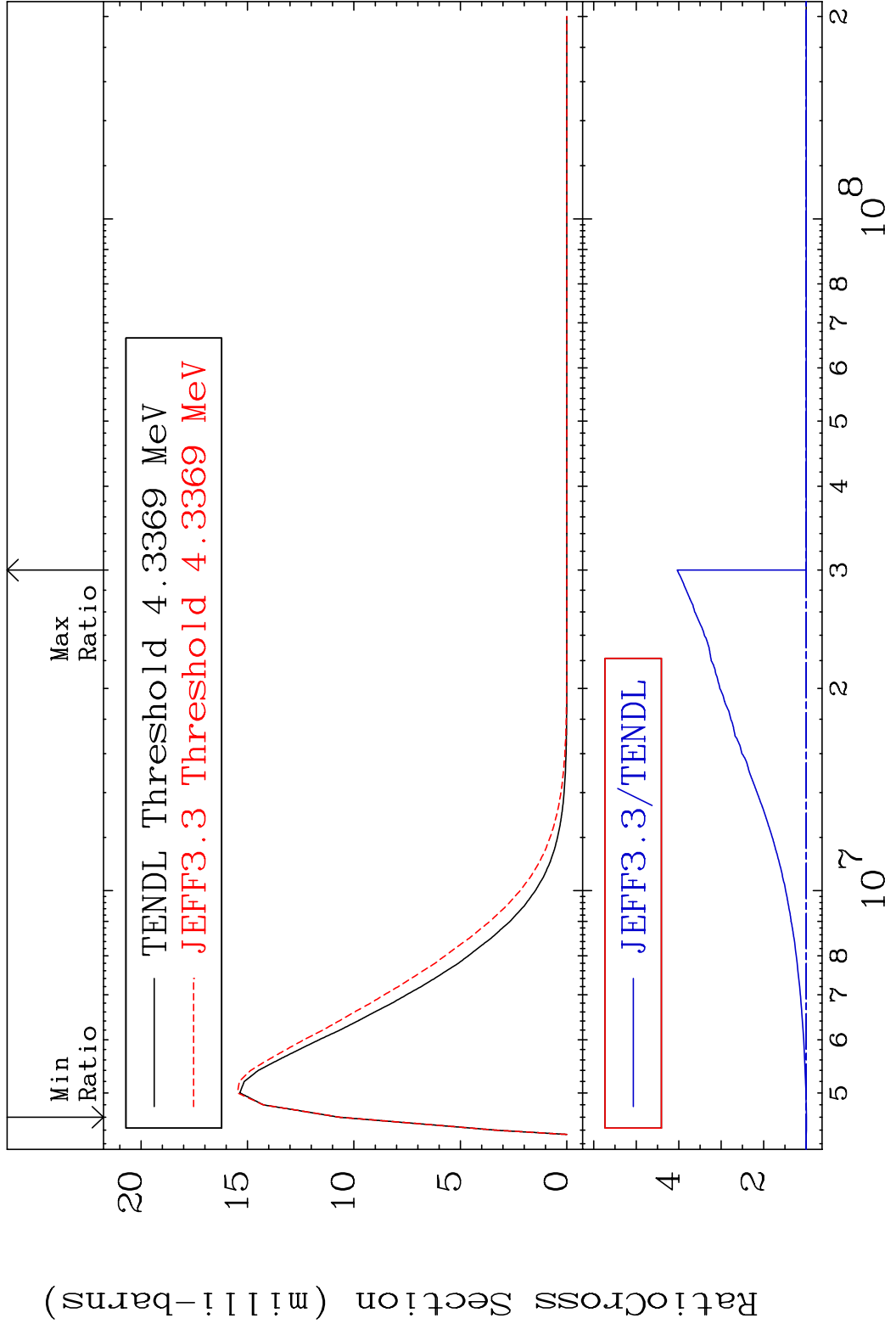
MAT 1528 MT= 78 (n,n') Level 15-P -32
 Cross Section -0.186 To 73.25 %



MAT 1528 MT= 79 (n, n') Level 15-P -32
 Cross Section -2.244 To 82.66 %



MAT 1528 MT= 80 (n, n') Level 15-P -32
 Cross Section -0.384 To 303.6 %

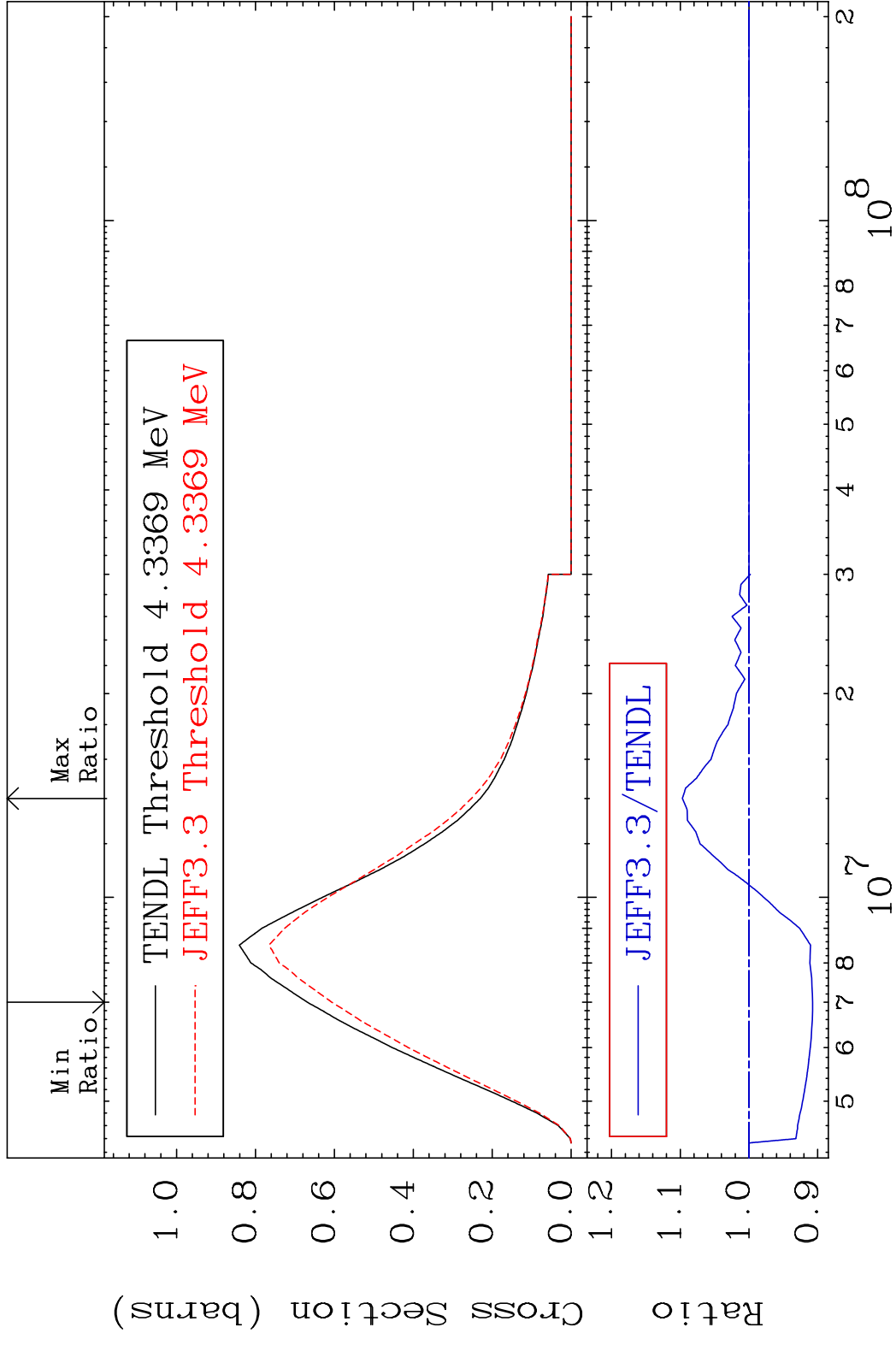


MAT 1528

(n, n') Continuum

15-P -32

Cross Section -9.253 To 9.694 %



48

Incident Energy (eV)

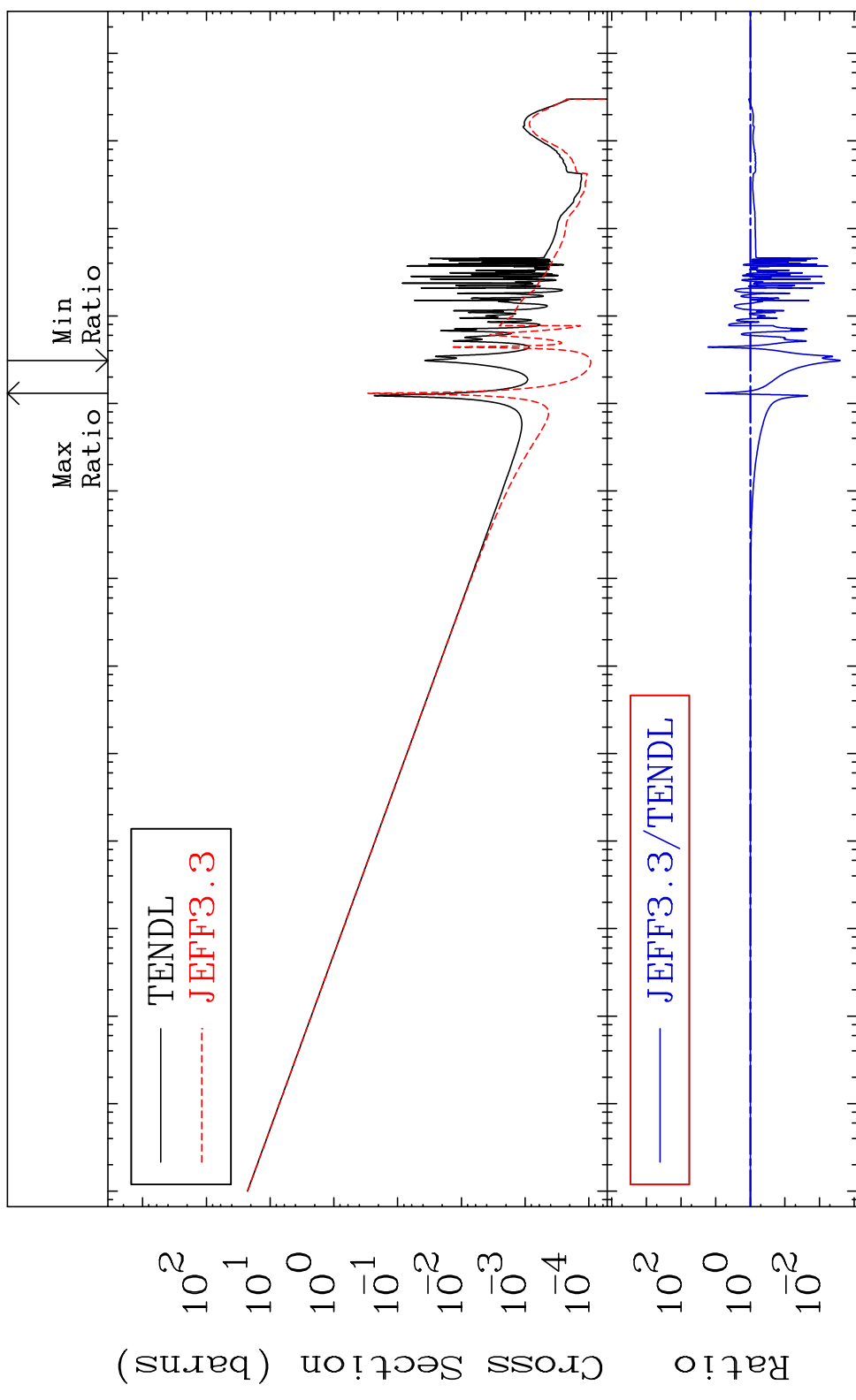
15-P -32

MAT 1528

(n, γ)

15-P -32

Cross Section -99.75 To 1830. %



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

49

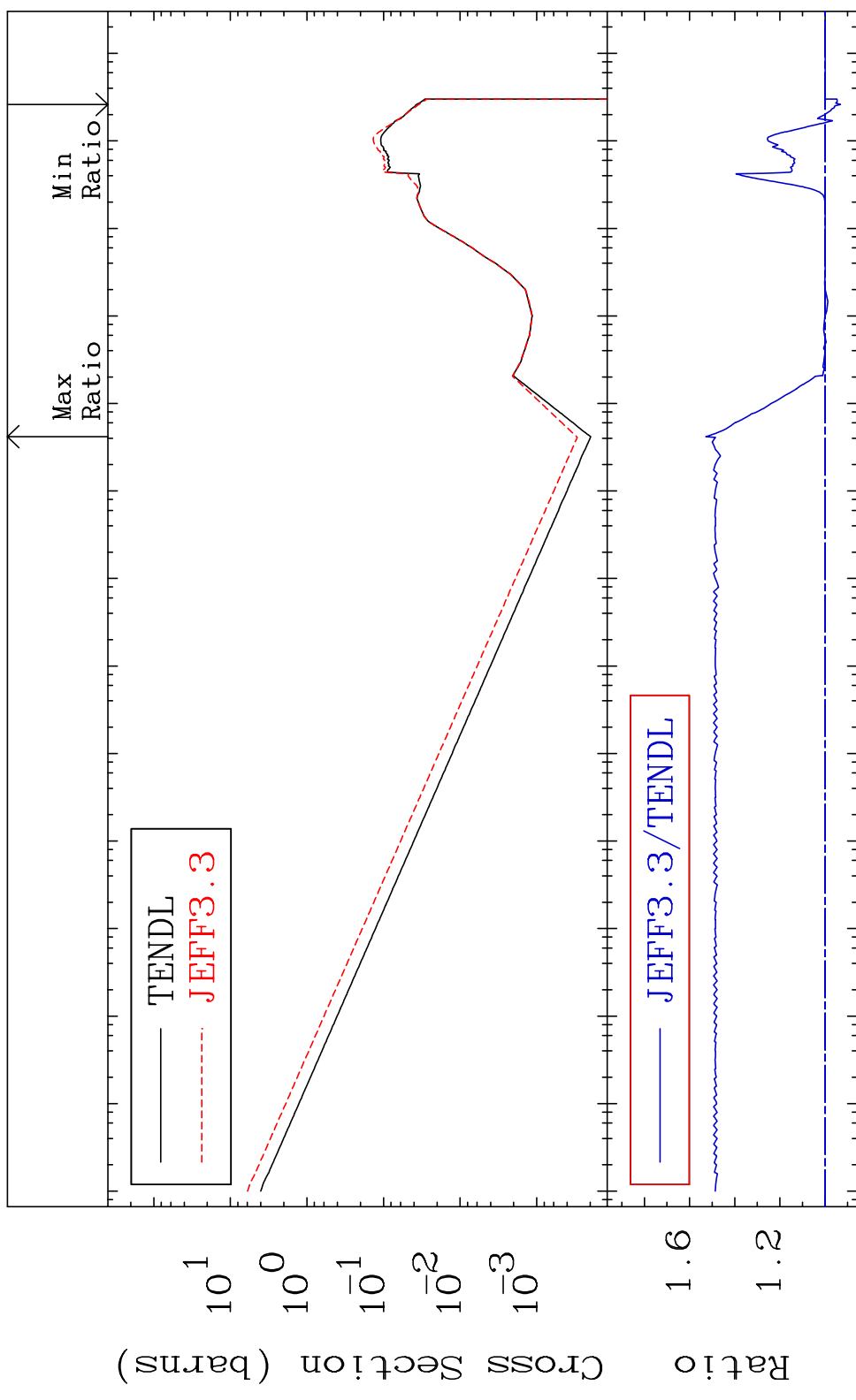
15-P -32

MAT 1528

(n, p)

15-P -32

Cross Section -6.796 To 52.82 %



50

Incident Energy (eV)

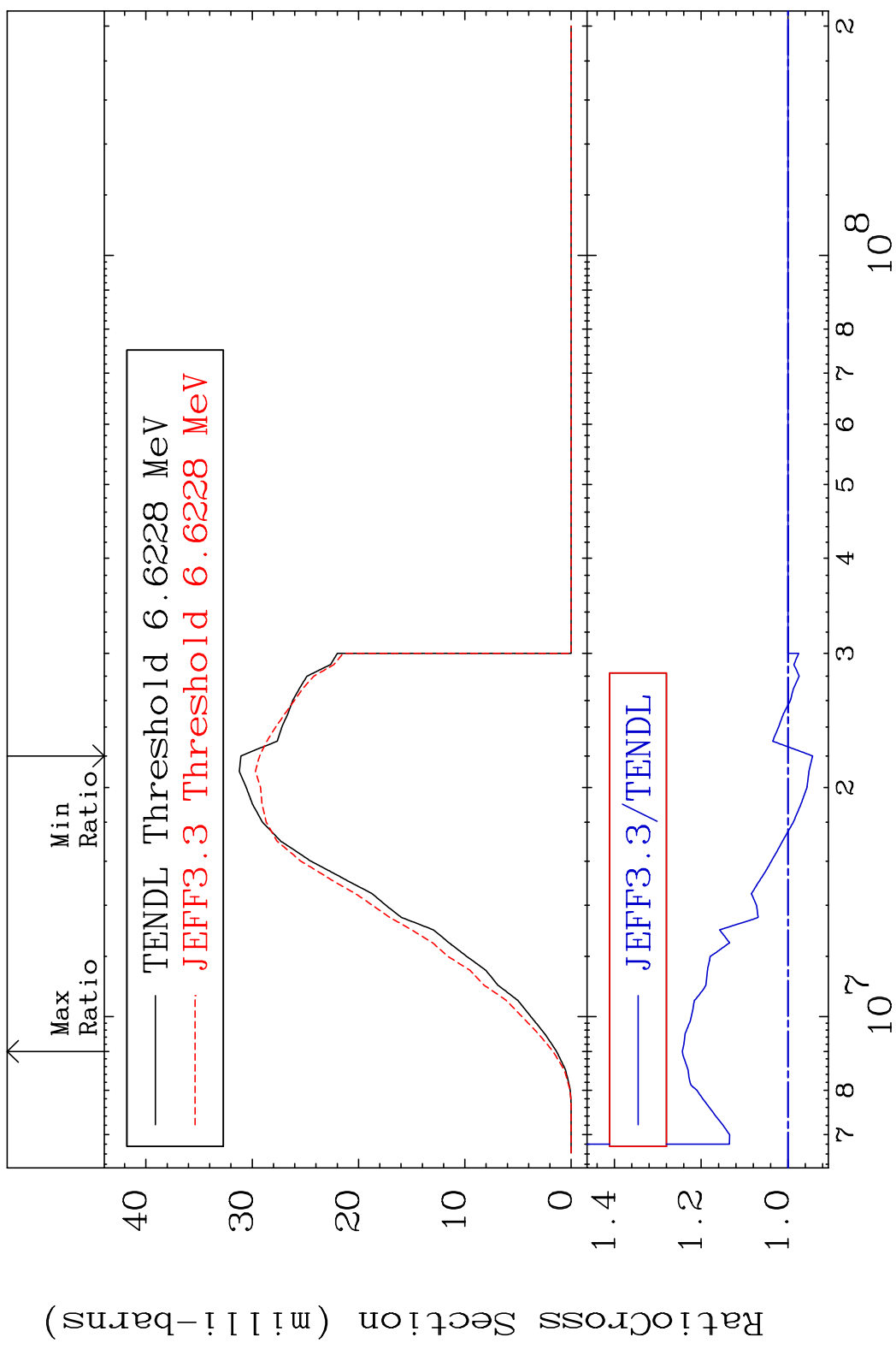
15-P -32

MAT 1528

(n, d)

15-P -32

Cross Section -5.674 To 24.34 %

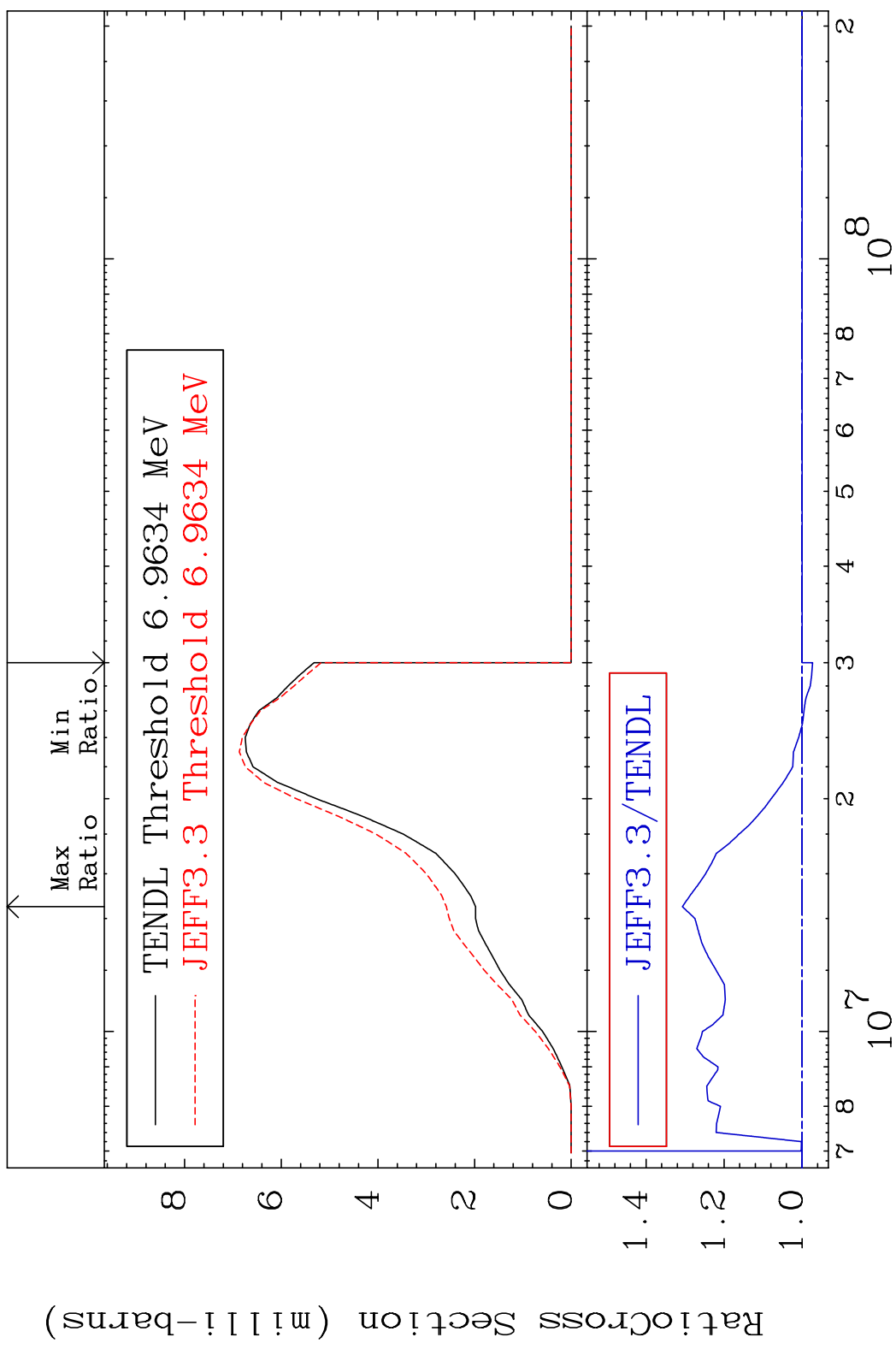


MAT 1528

(n, t)

15-P -32

Cross Section -2.6887 To 30.70 %

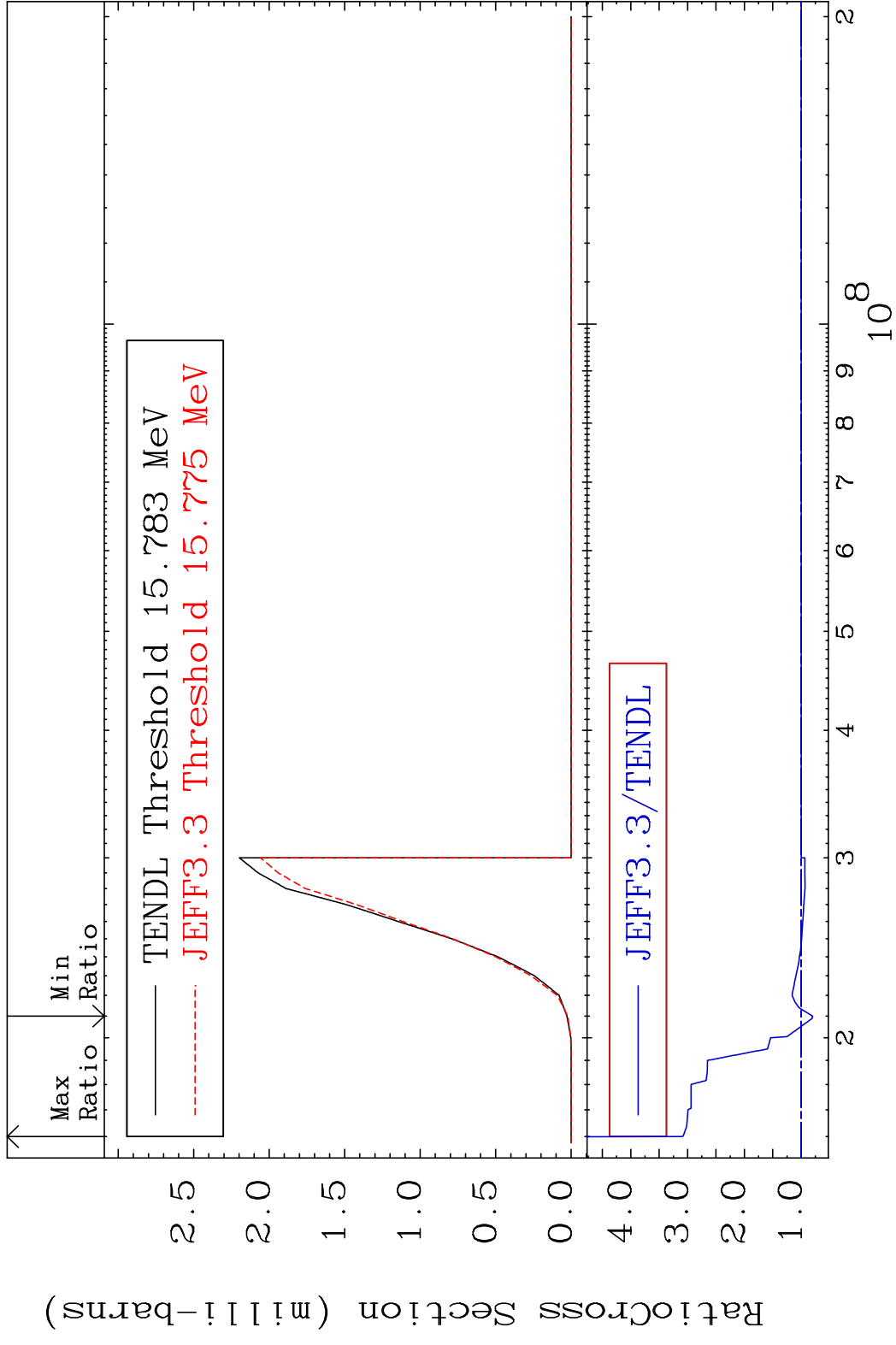


MAT 1528

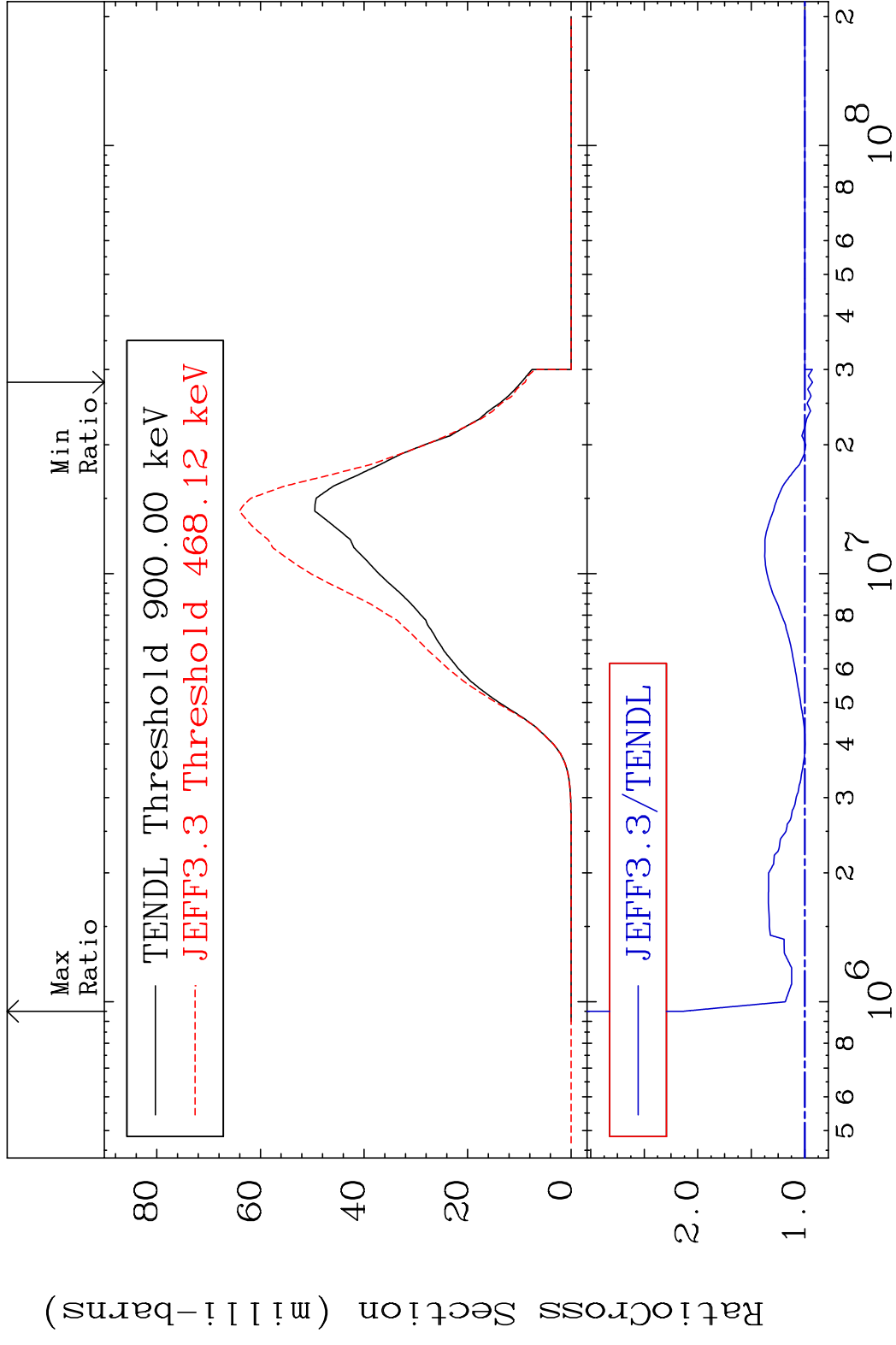
(n, He-3)

15-P -32

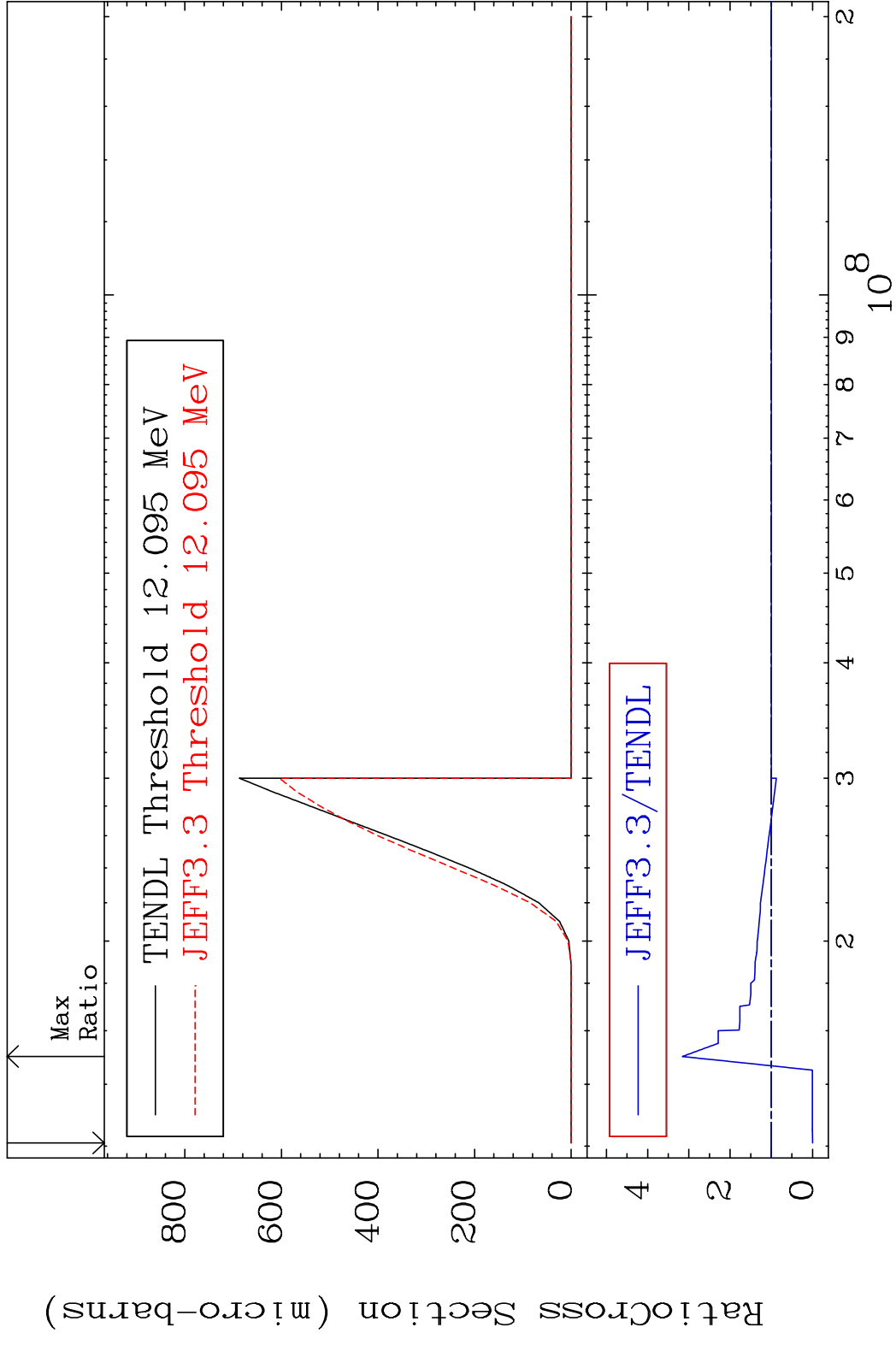
Cross Section -20.01 To 209.2 %



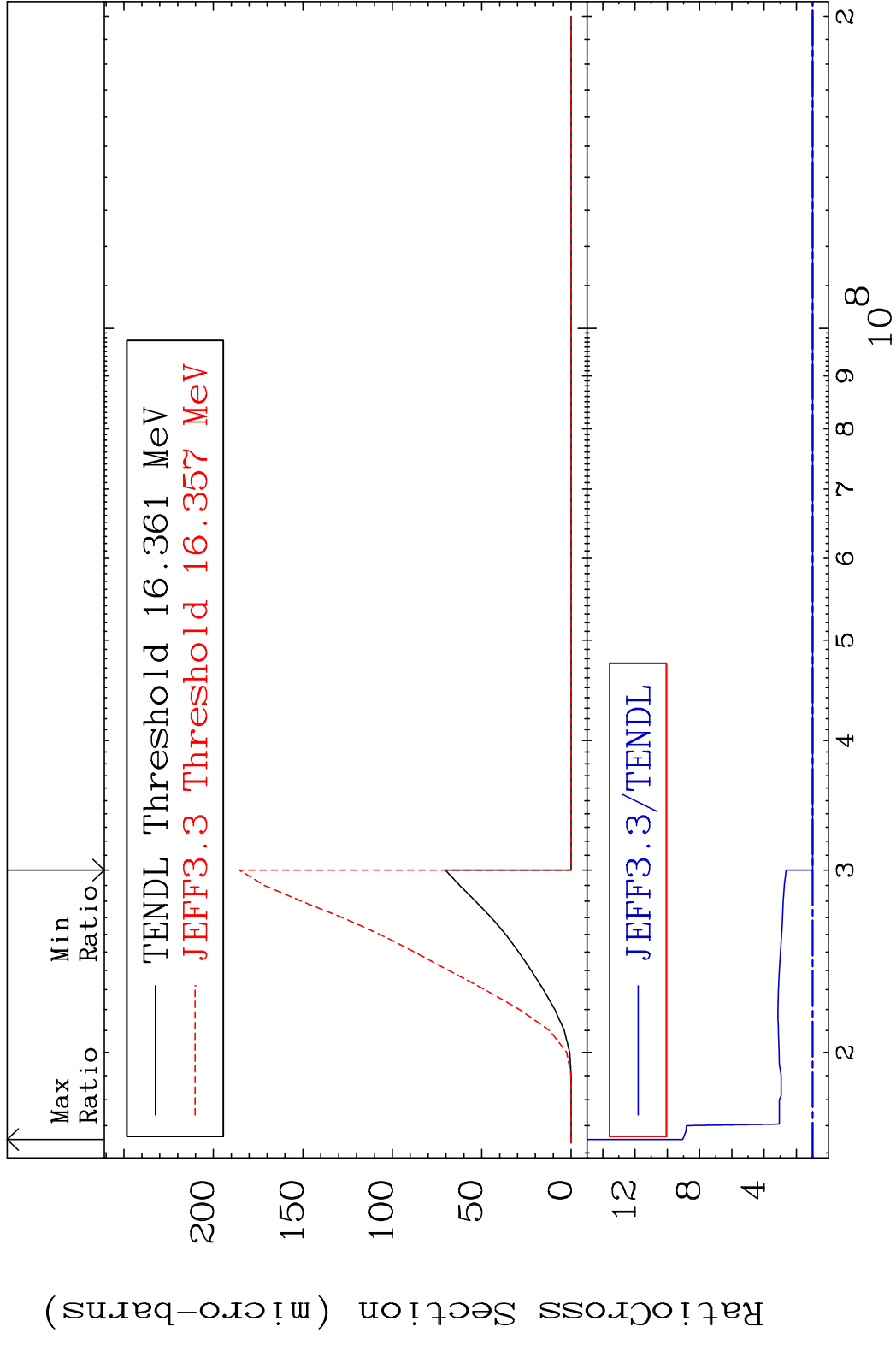
MAT 1528 (n, α) 15-P -32
 Cross Section -7.189 To 114.4 %



MAT 1528 (n,2α) 15-P -32
 Cross Section -100.0 To 215.8 %



MAT 1528 (n,2p) 15-P -32
 Cross Section 0.000 To 806.6 %

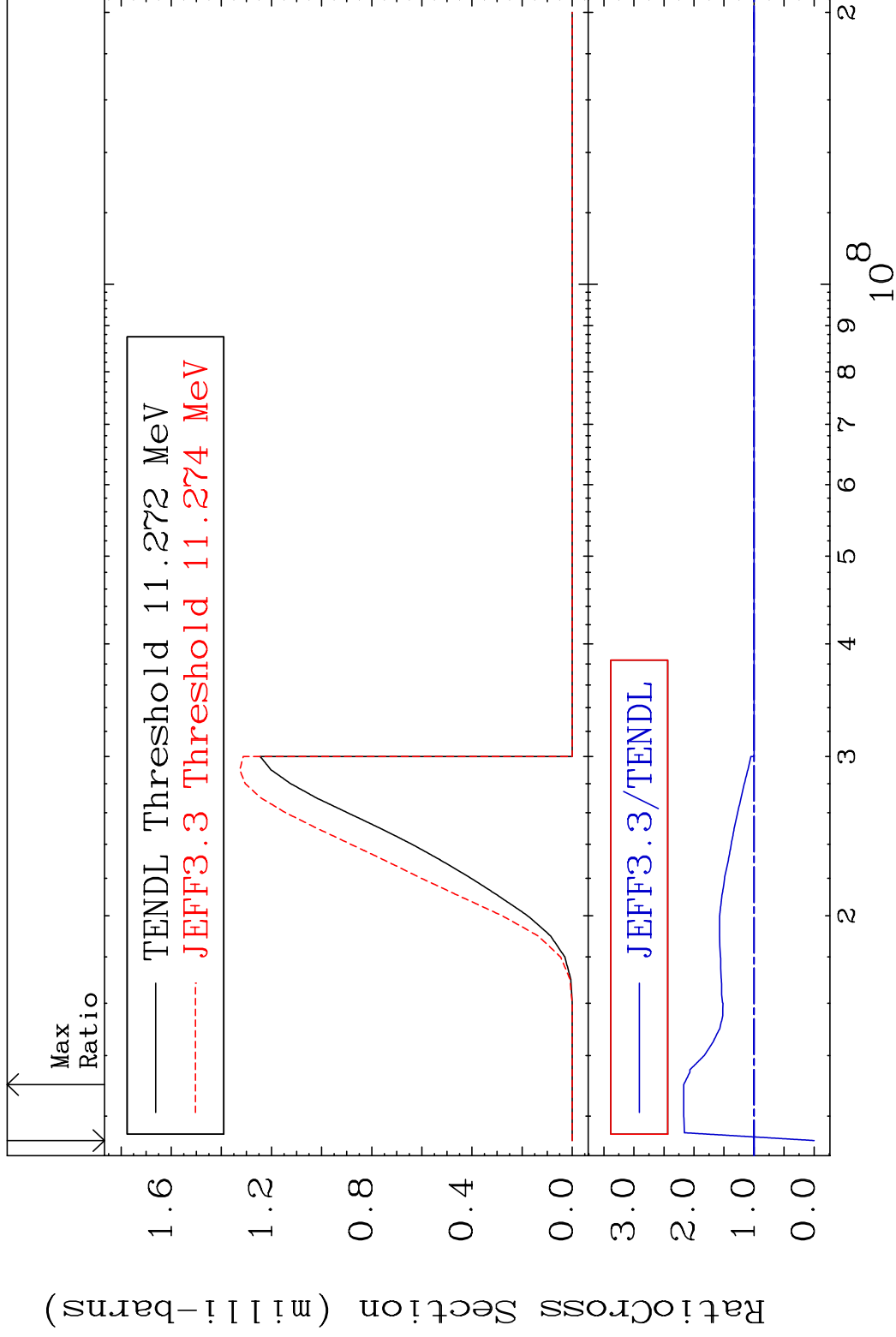


MAT 1528

(n,p) α

15-P -32

Cross Section -100.0 To 117.2 %



57

Incident Energy (eV)

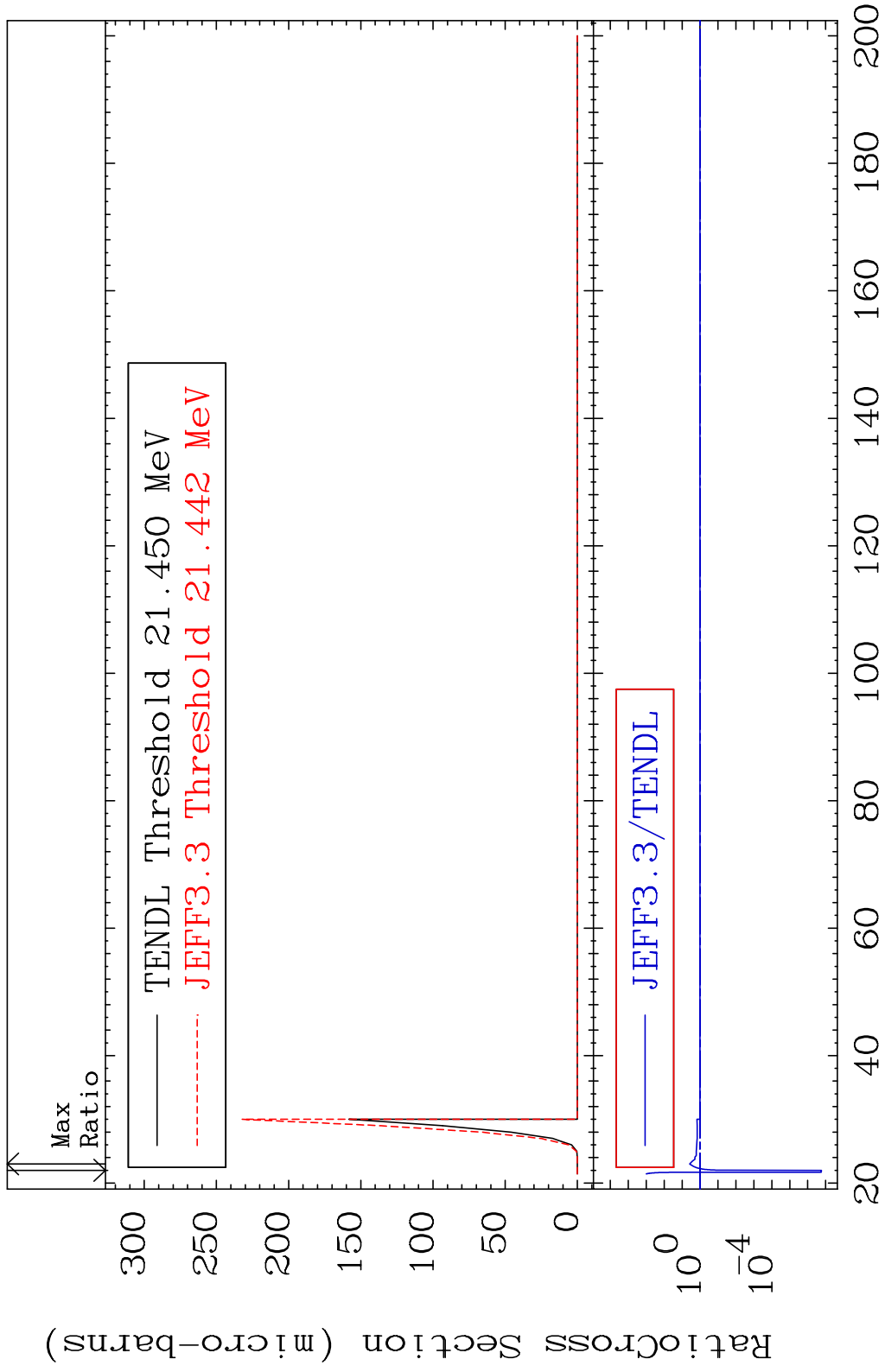
15-P -32

MAT 1528

(n,p) d

15-P -32

Cross Section -100.0 To 274.3 %

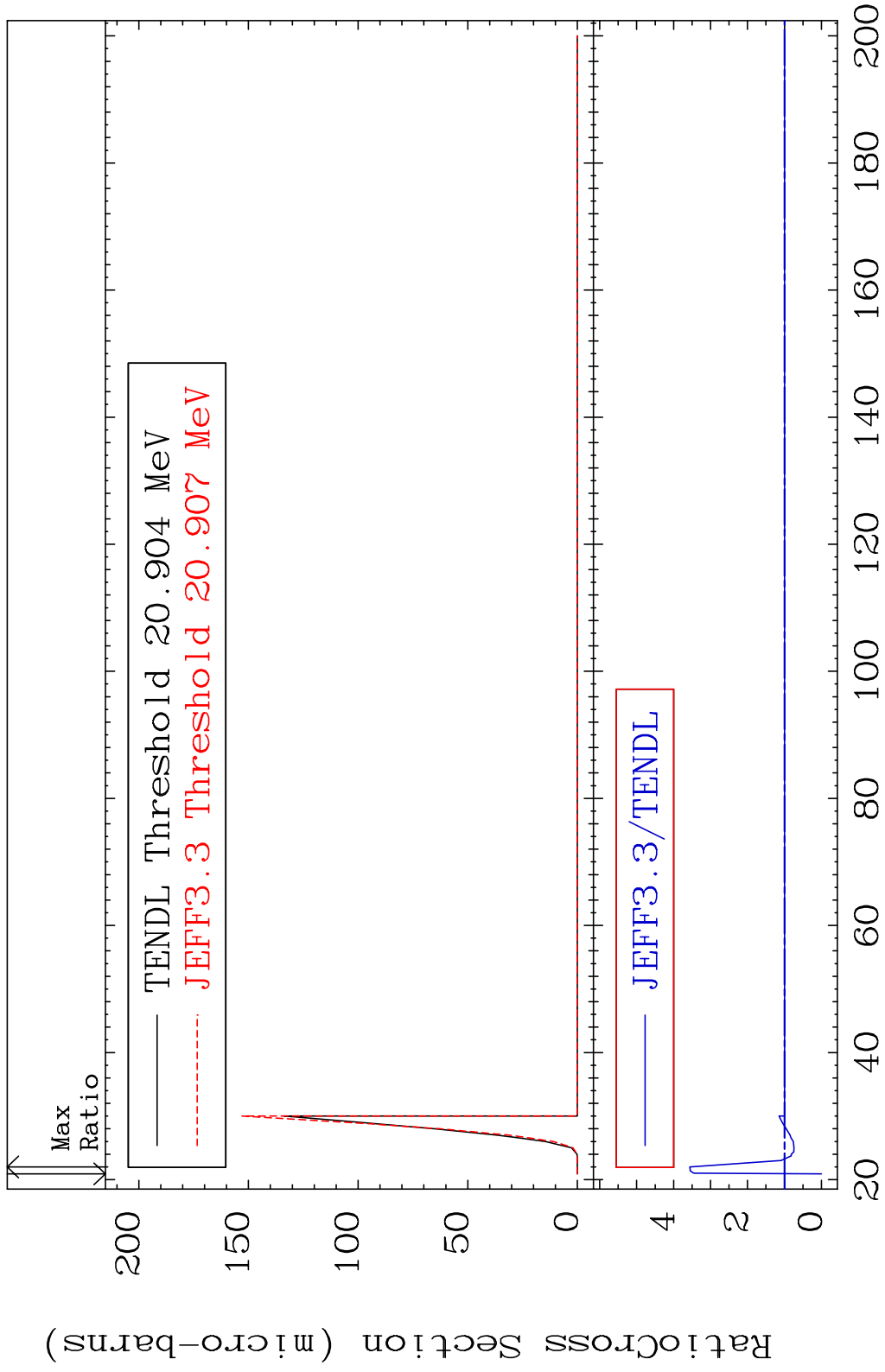


58

Incident Energy (MeV)

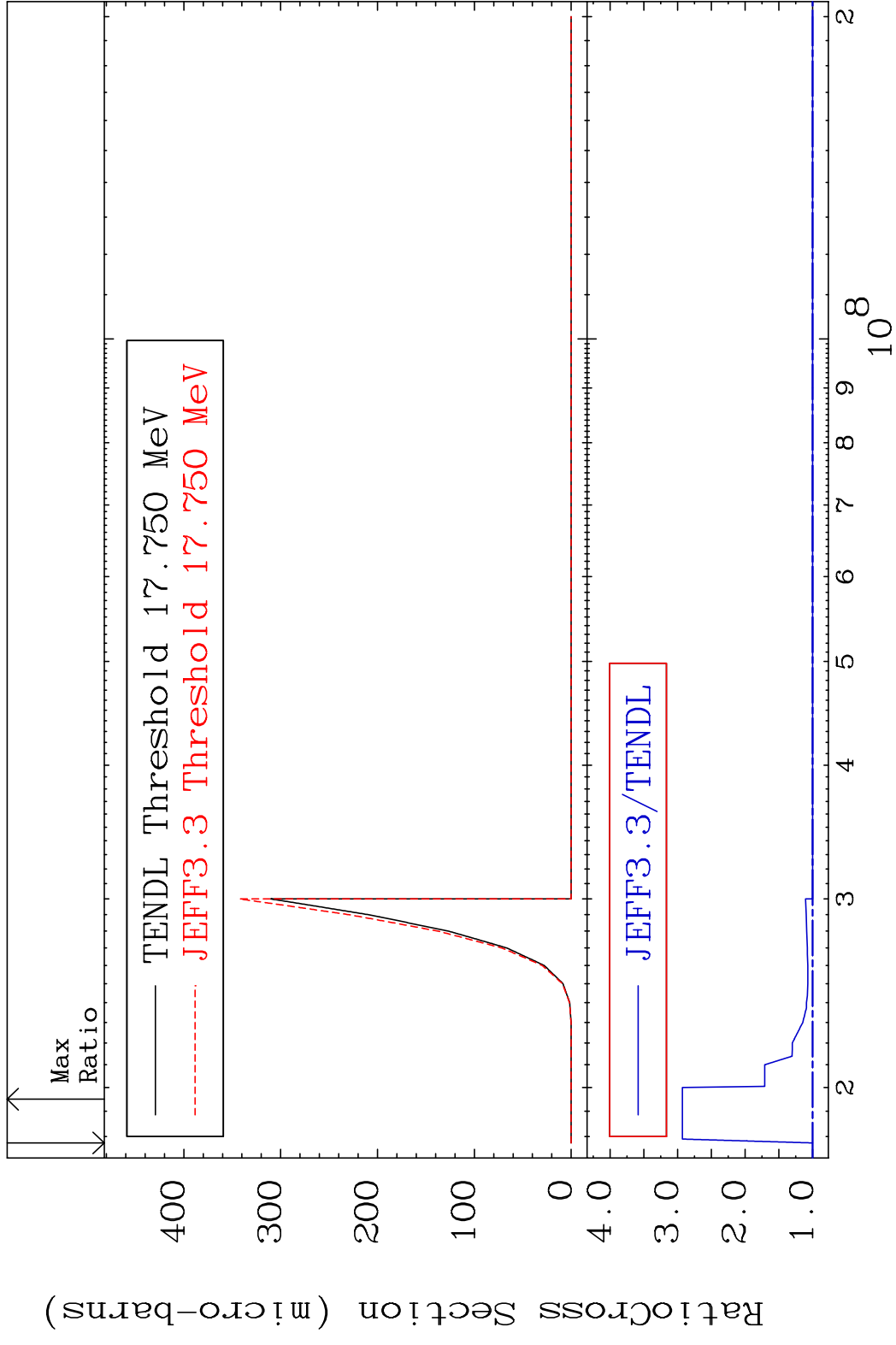
15-P -32

MAT 1528 (n,p) t 15-P -32
 Cross Section -100.0 To 256.2 %



59 Incident Energy (MeV) 15-P -32

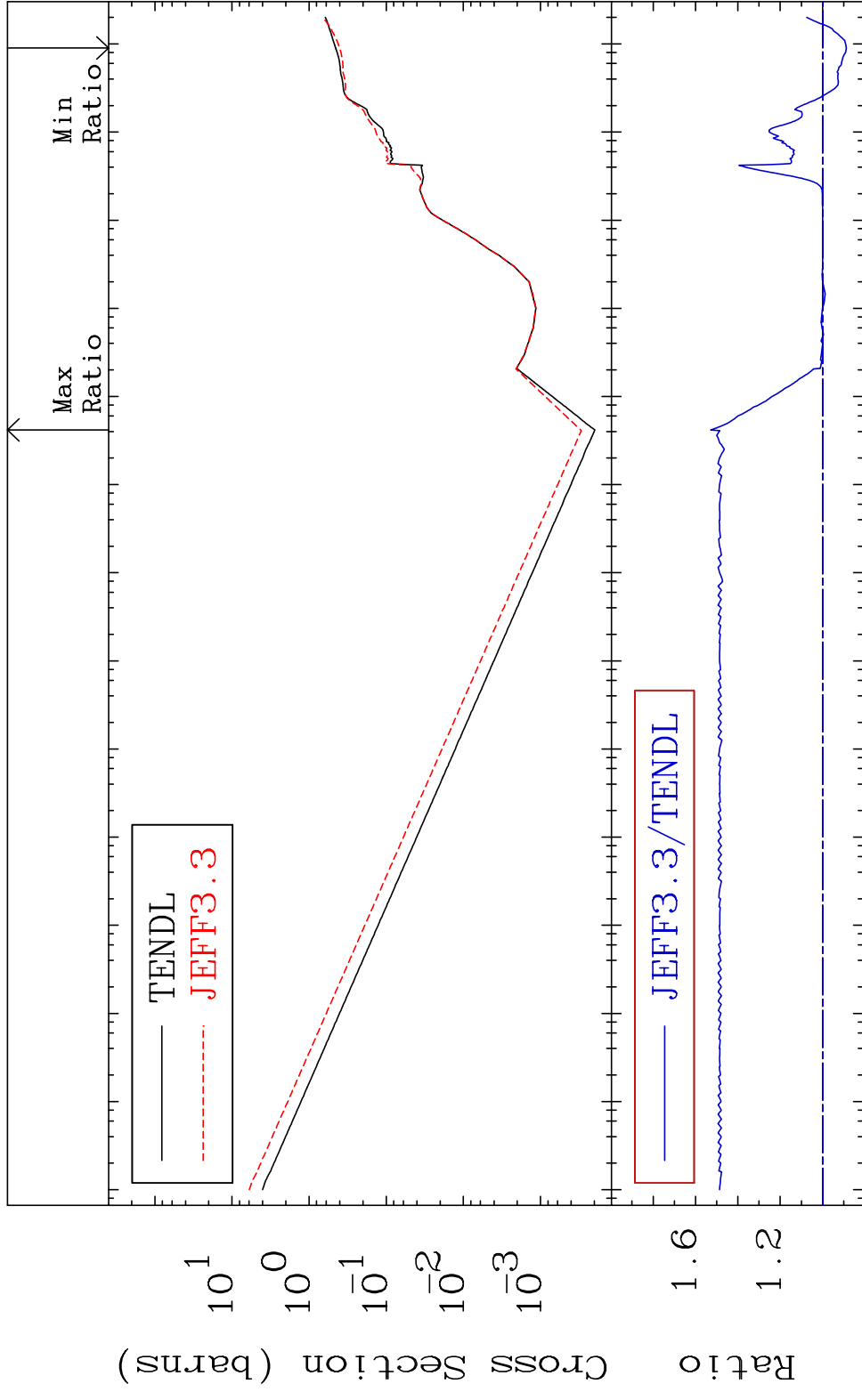
MAT 1528 (n,d) α 15-P -32
 Cross Section 0.000 To 193.0 %



MAT 1528

Hydrogen Production
Cross Section -11.23 To 52.82 %

15-P -32



61

Incident Energy (eV)

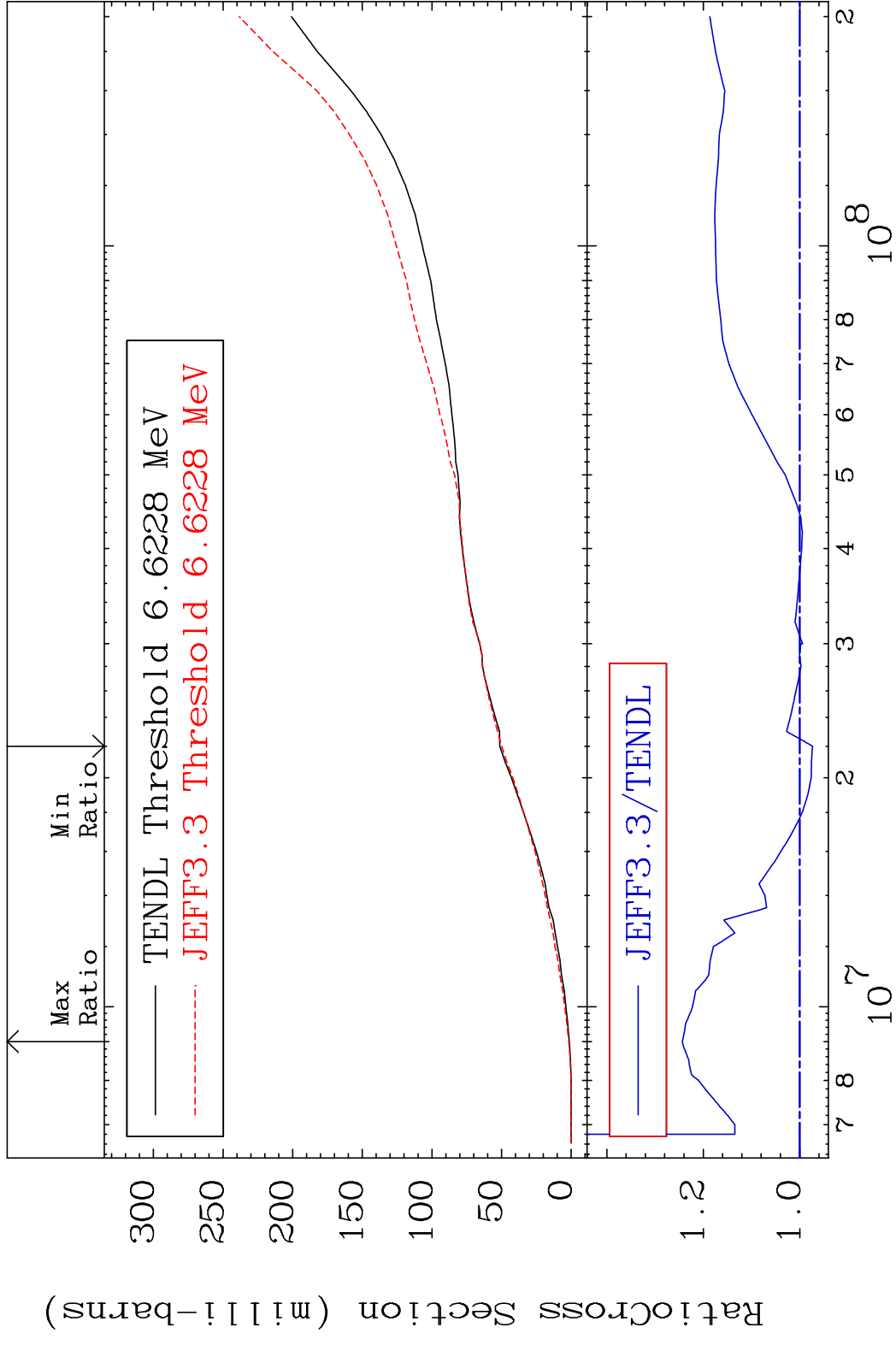
15-P -32

MAT 1528

Deuterium Production

15-P -32

Cross Section -2.652 To 24.34 %



62

Incident Energy (eV)

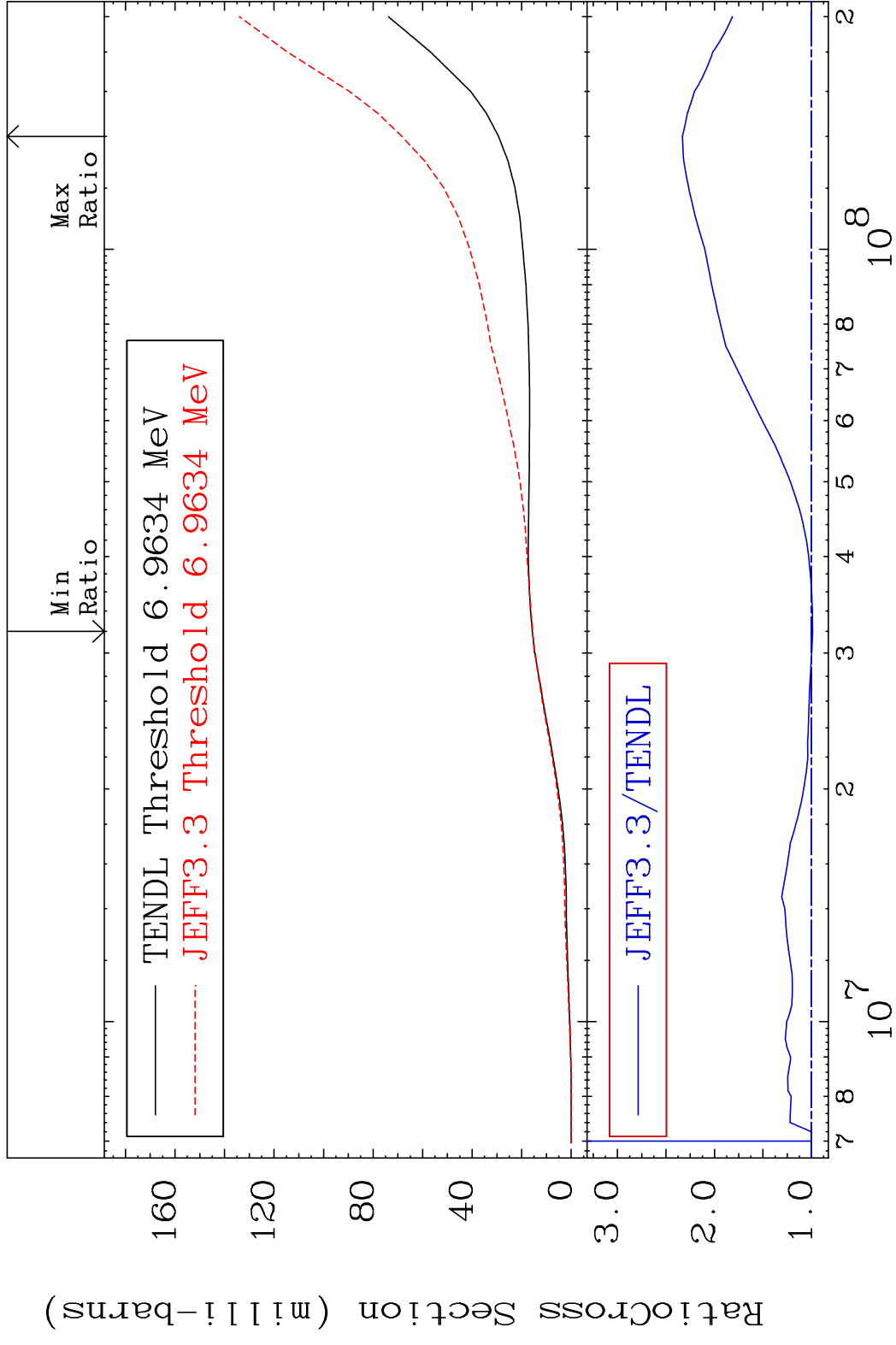
15-P -32

MAT 1528

Tritium Production

15-P -32

Cross Section -1.125 To 133.1 %

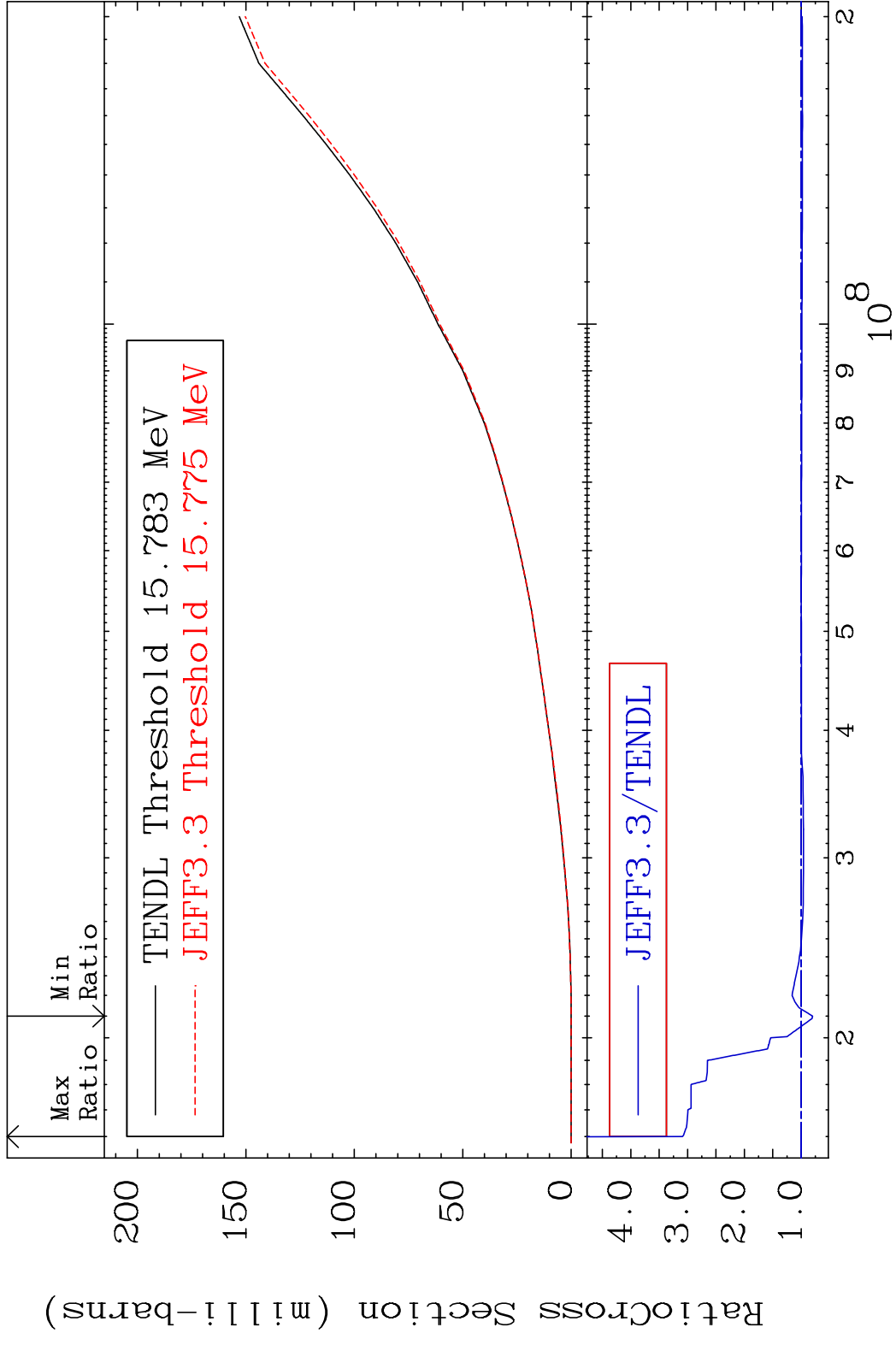


63

Incident Energy (eV)

15-P -32

Cross Section -20.01 To 209.2 %

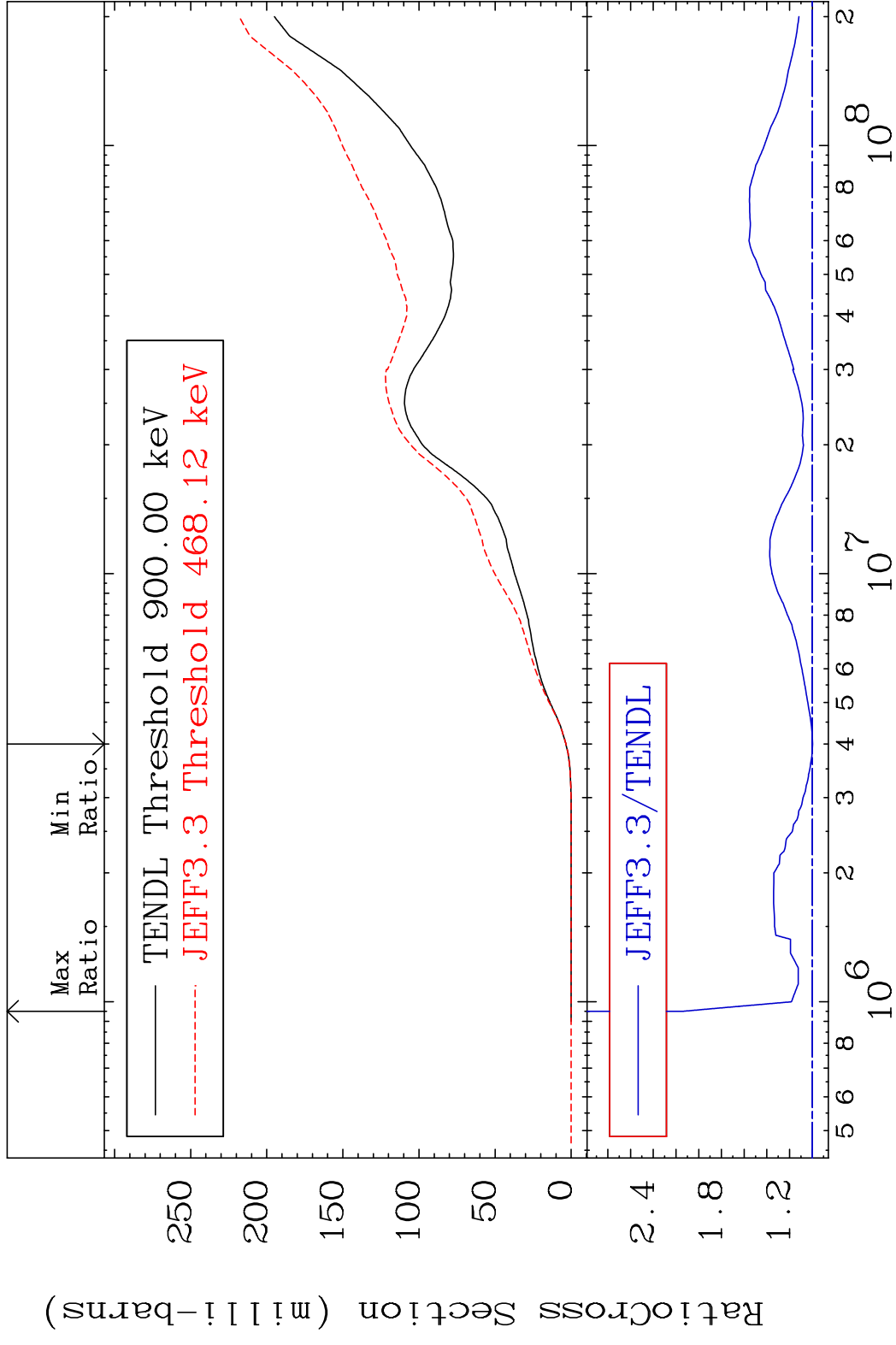


MAT 1528

He-4 Production

15-P -32

Cross Section -0.238 To 114.4 %

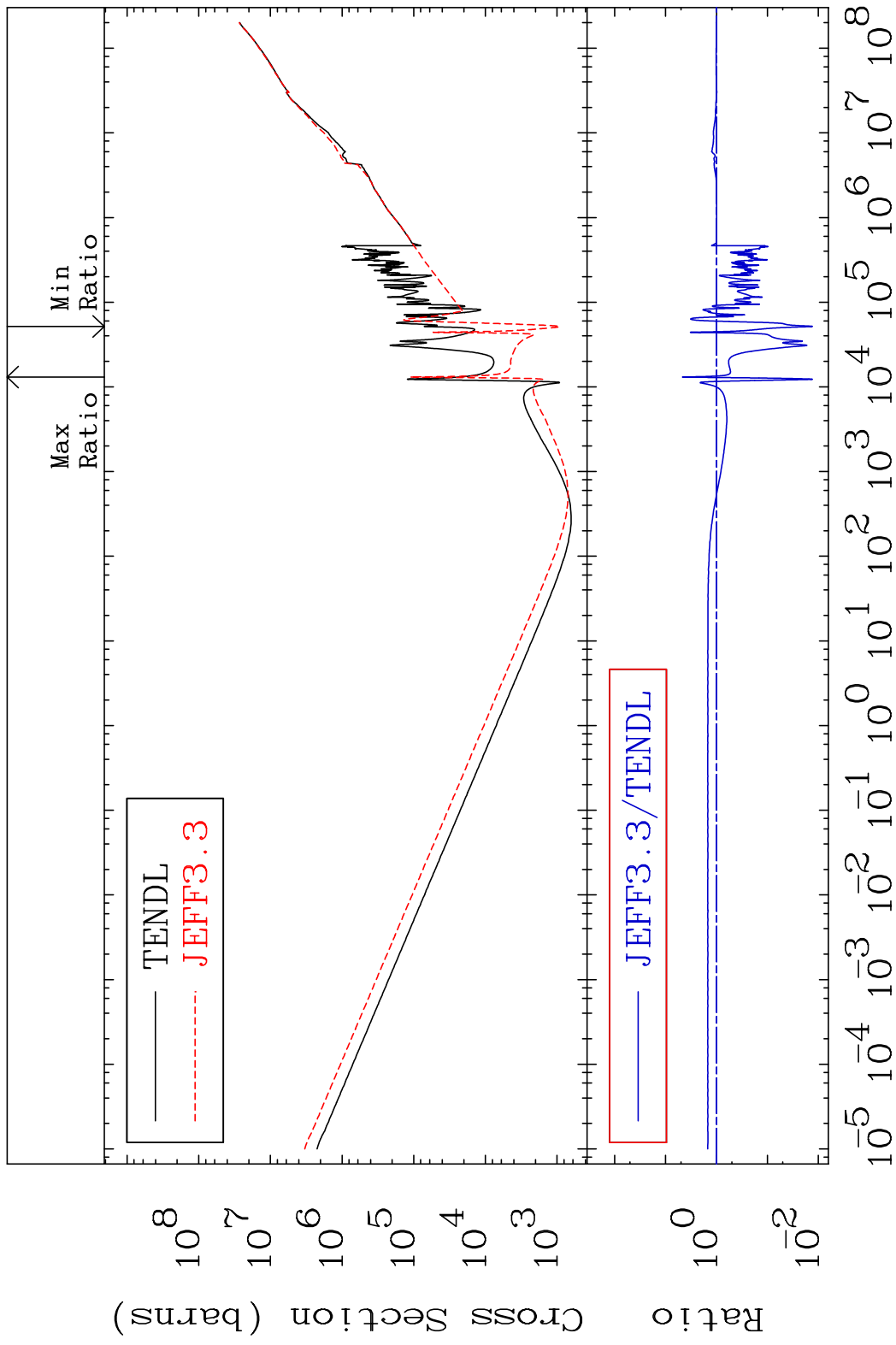


65

Incident Energy (eV)

15-P -32

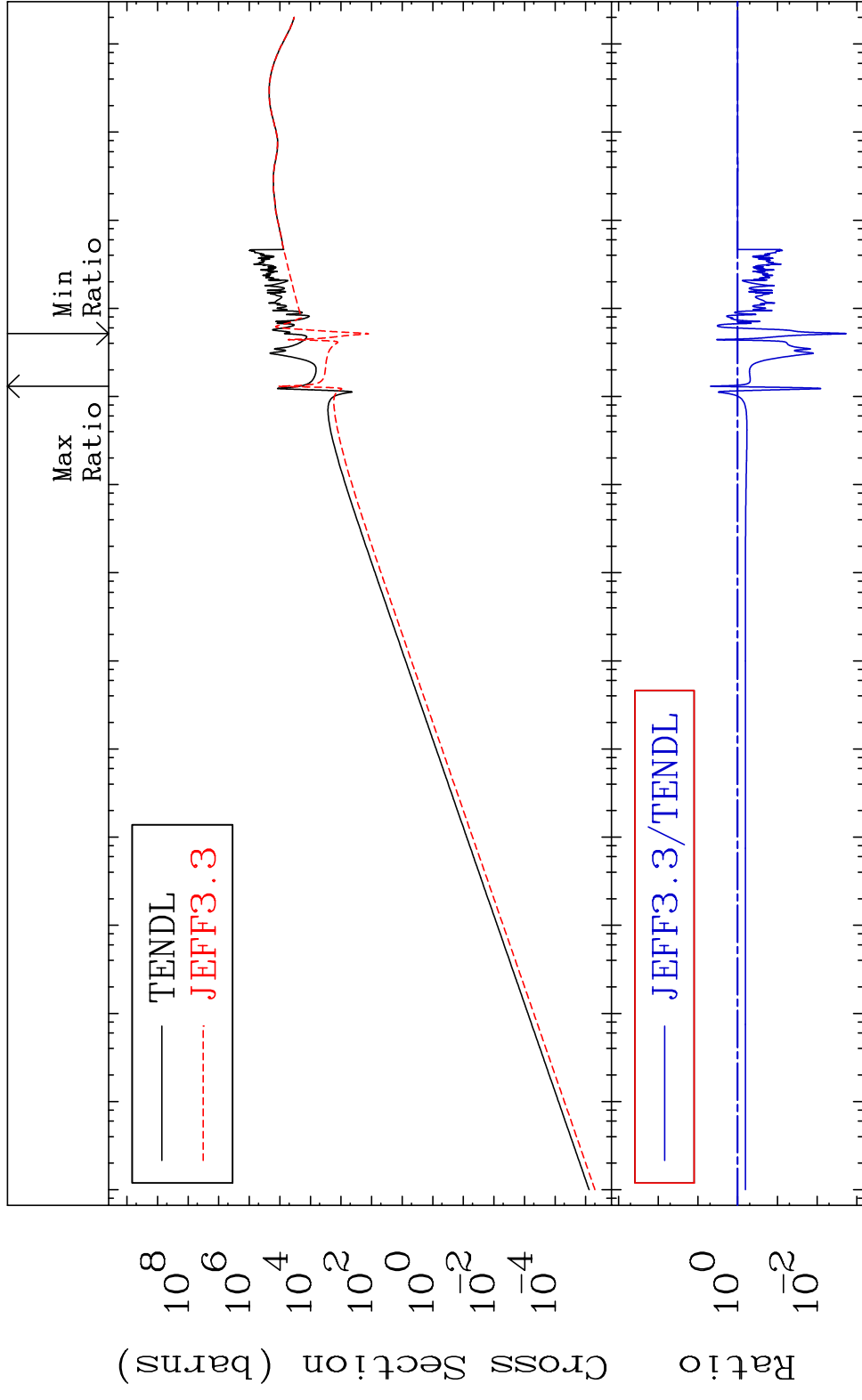
MAT 1528 Kerma total (eV-barns) 15-P -32
 Cross Section -98.70 To 368.8 %



MAT 1528

Kerma elastic
Cross Section

15-P -32
-99.82 To 377.6 %

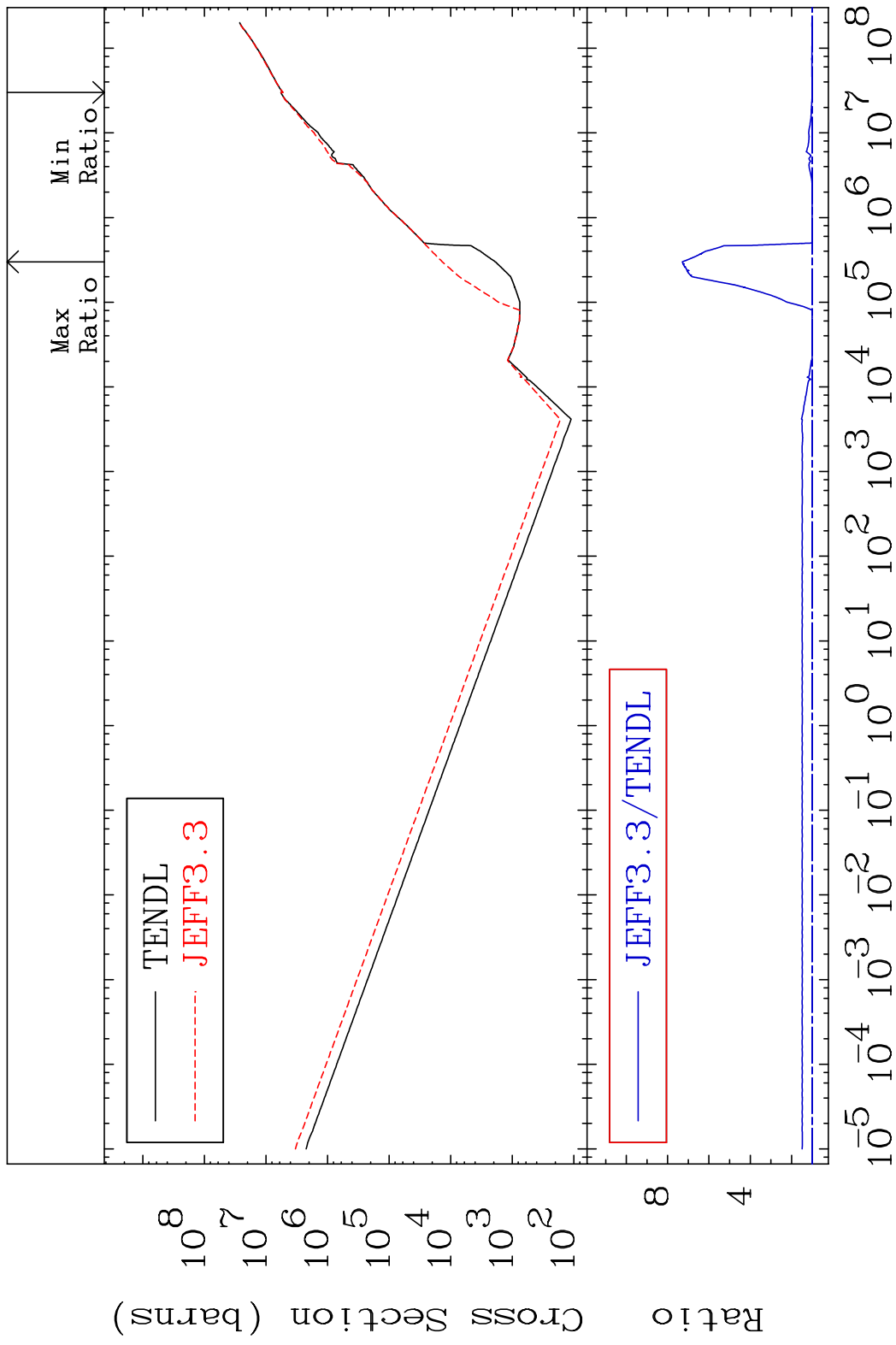


67

Incident Energy (eV)

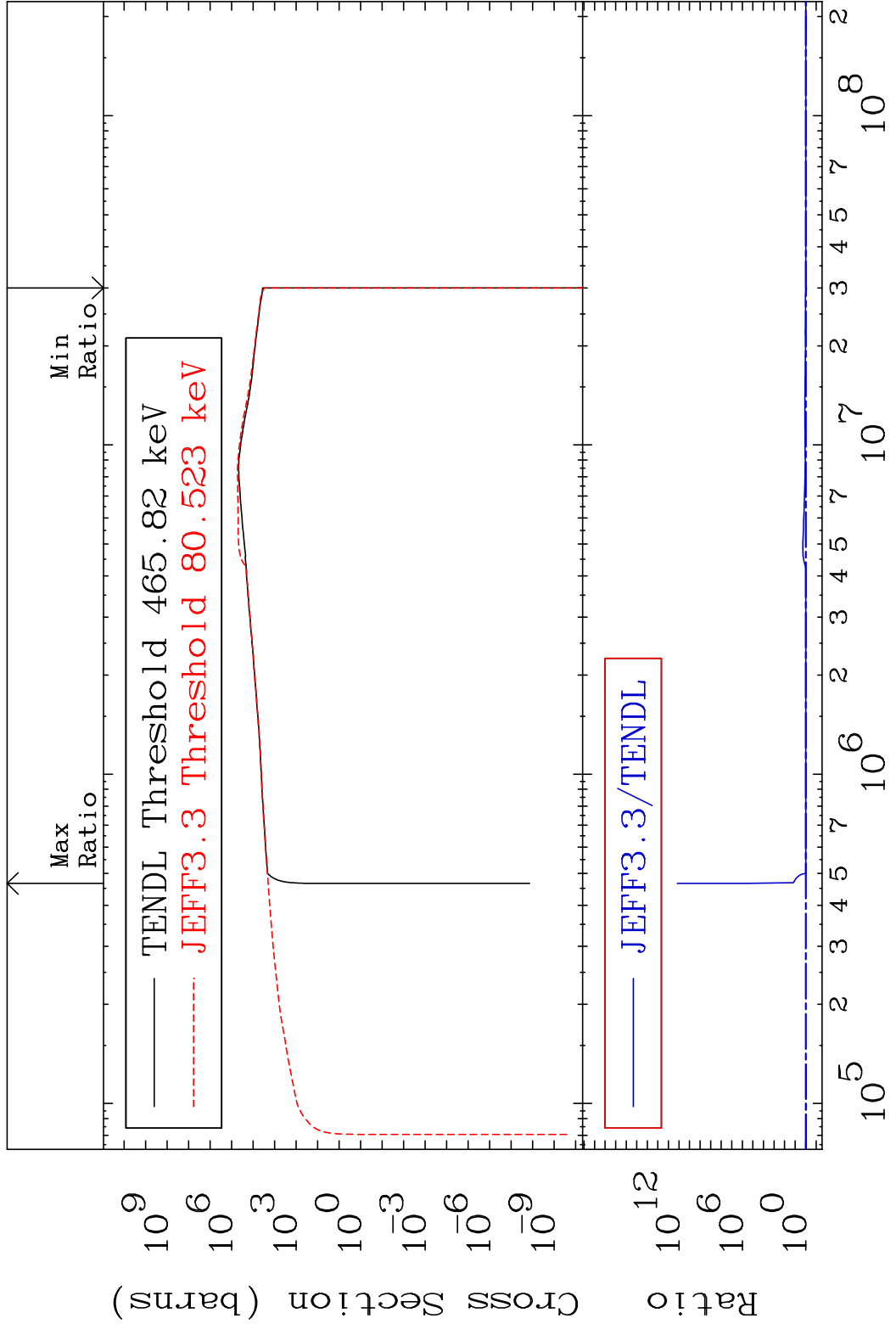
15-P -32

MAT 1528 Kerma non-elastic (all but mt2) 15-P -32
 Cross Section -1.586 To 628.7 %

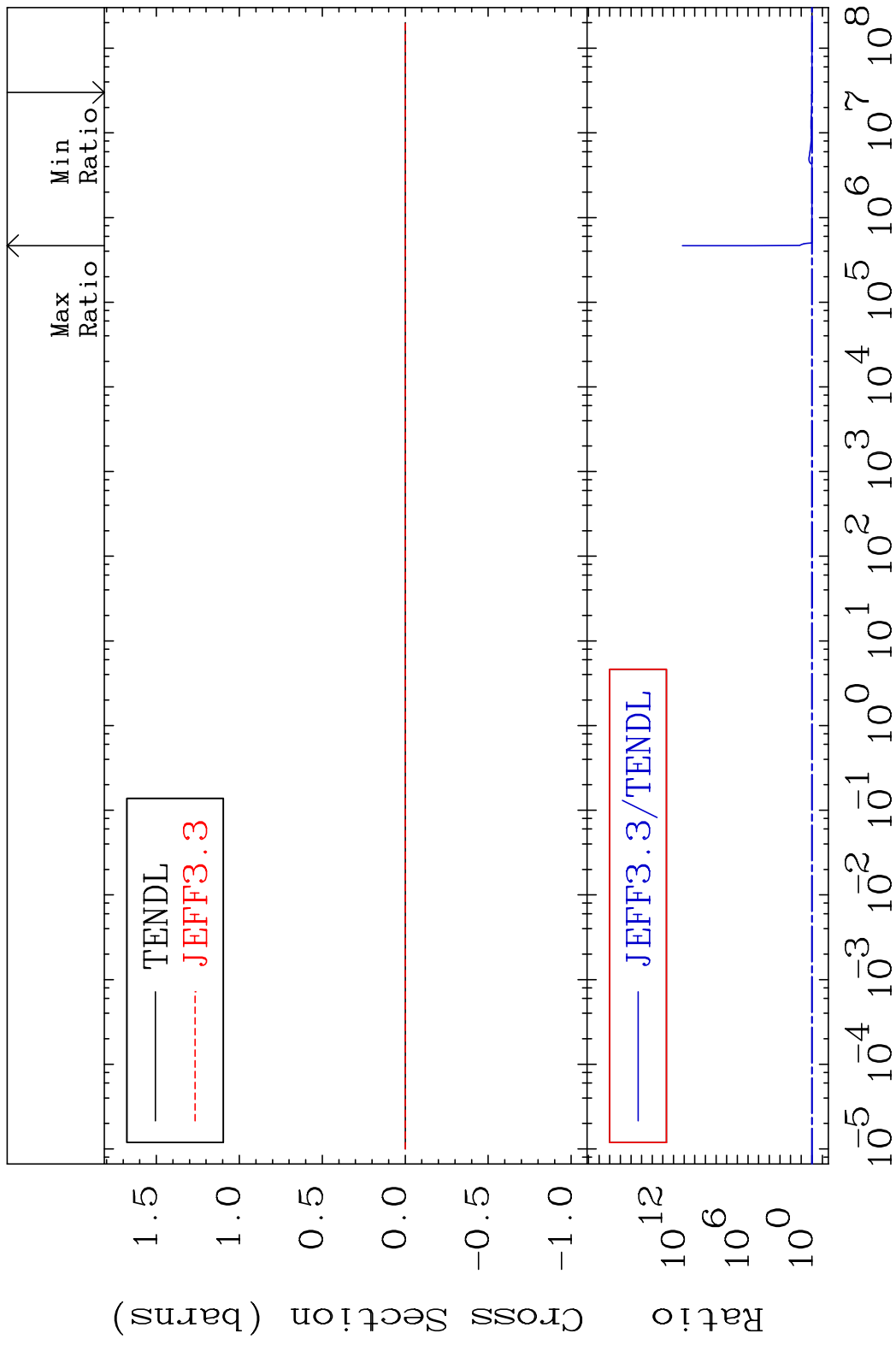


68 Incident Energy (eV) 15-P -32

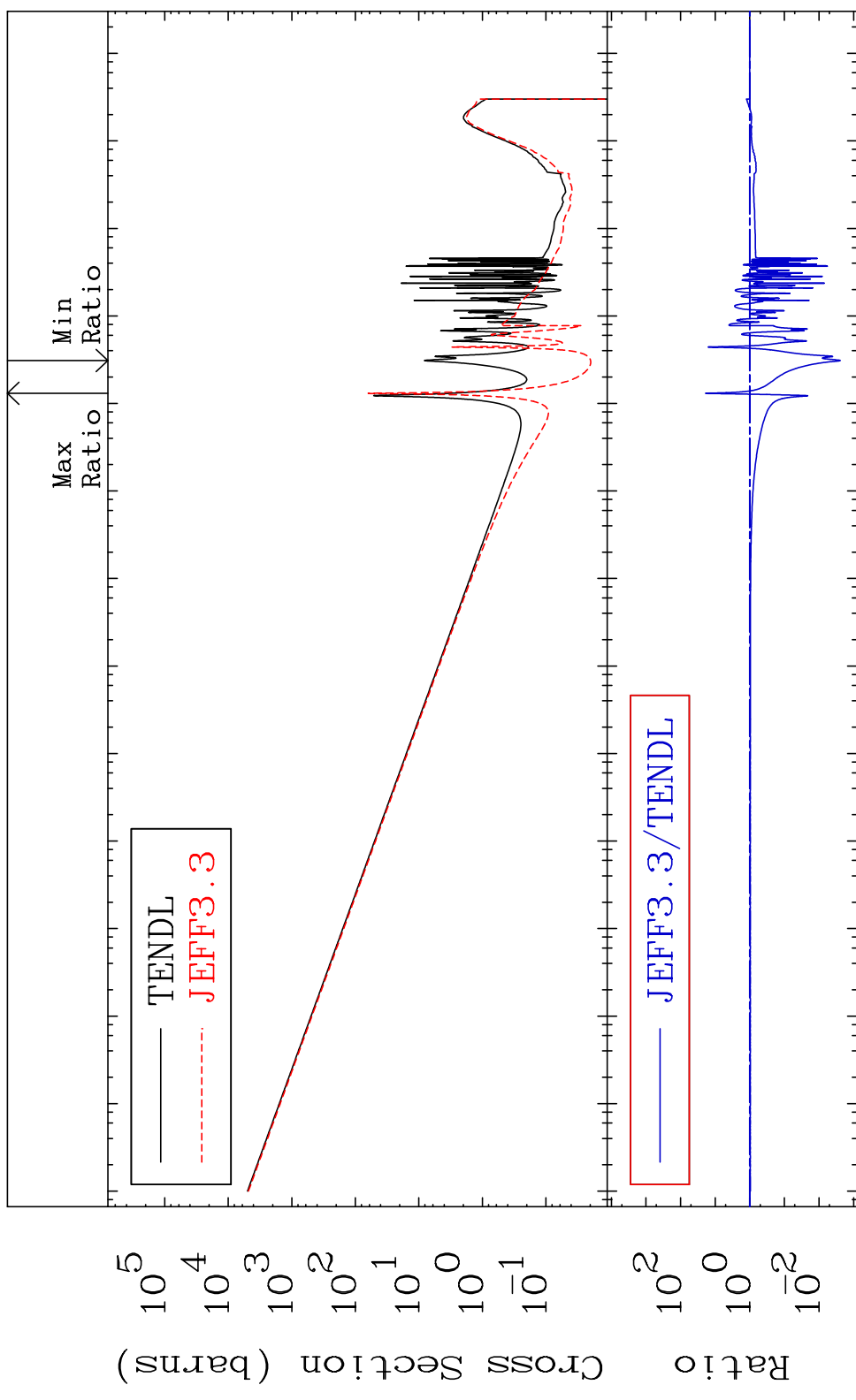
MAT 1528 Kerma inelastic (mt51-91) 15-P -32
 Cross Section -14.40 To 9999. %



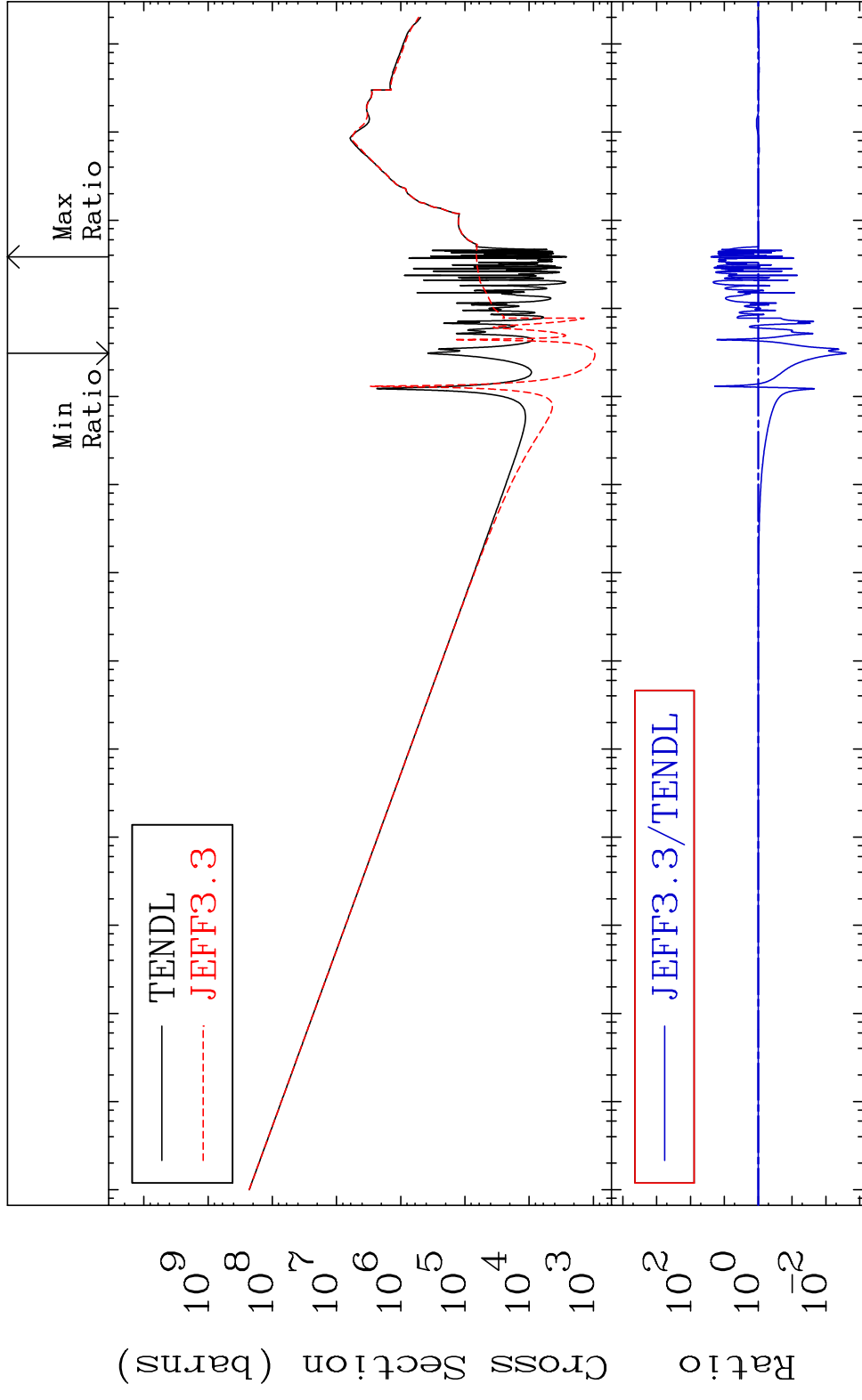
MAT 1528 Kerma fission (mt18 or mt19-20-21-38) 15-P -32
 Cross Section -14.40 To 9999. %



70 Incident Energy (eV) 15-P -32

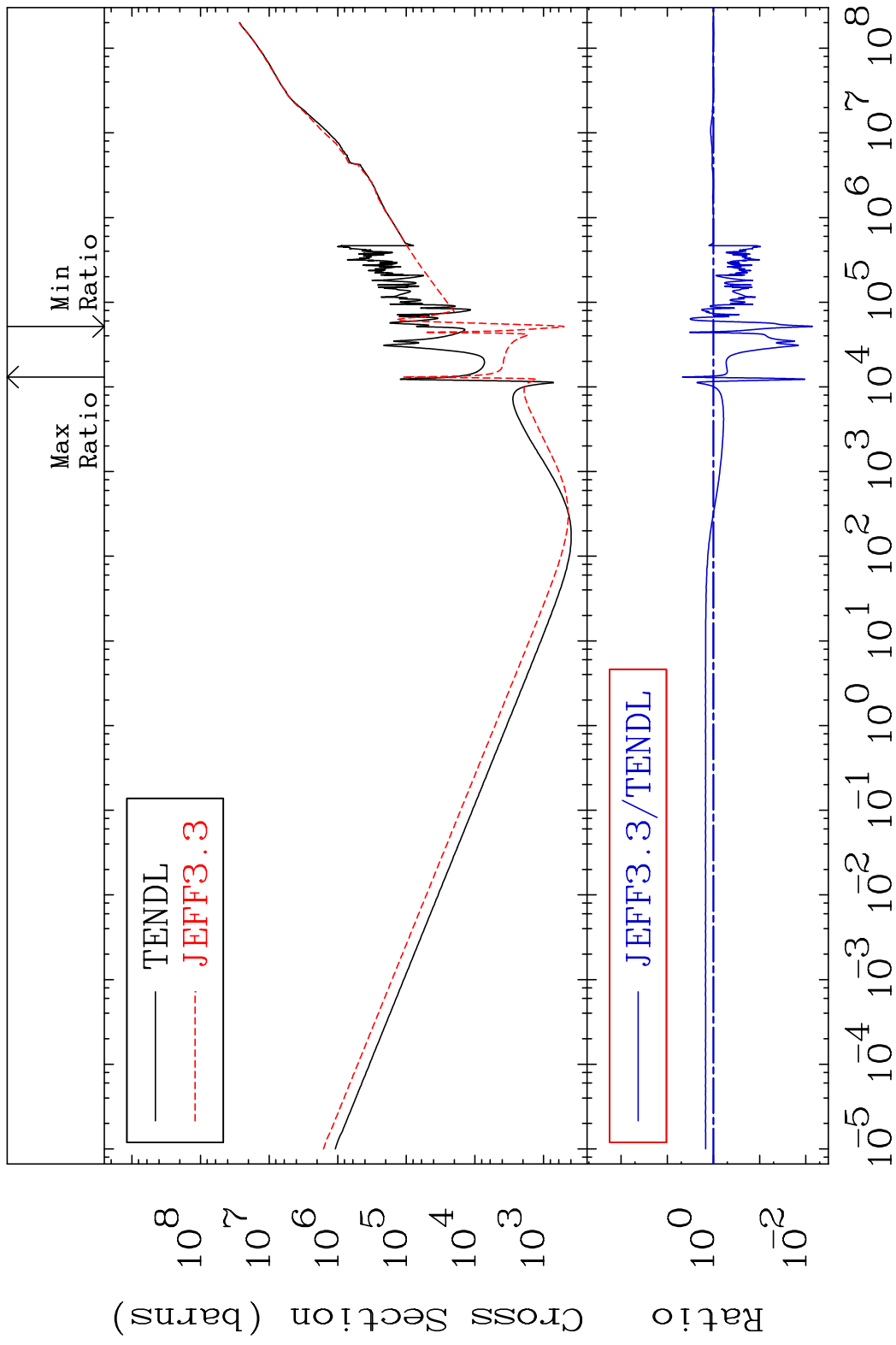


MAT 1528 Total photon (eV-barns) 15-P -32
 Cross Section -99.75 To 2437. %



72 Incident Energy (eV) 15-P -32

MAT 1528 Total kinematic kerma (high limit) 15-P -32
 Cross Section -99.28 To 372.0 %



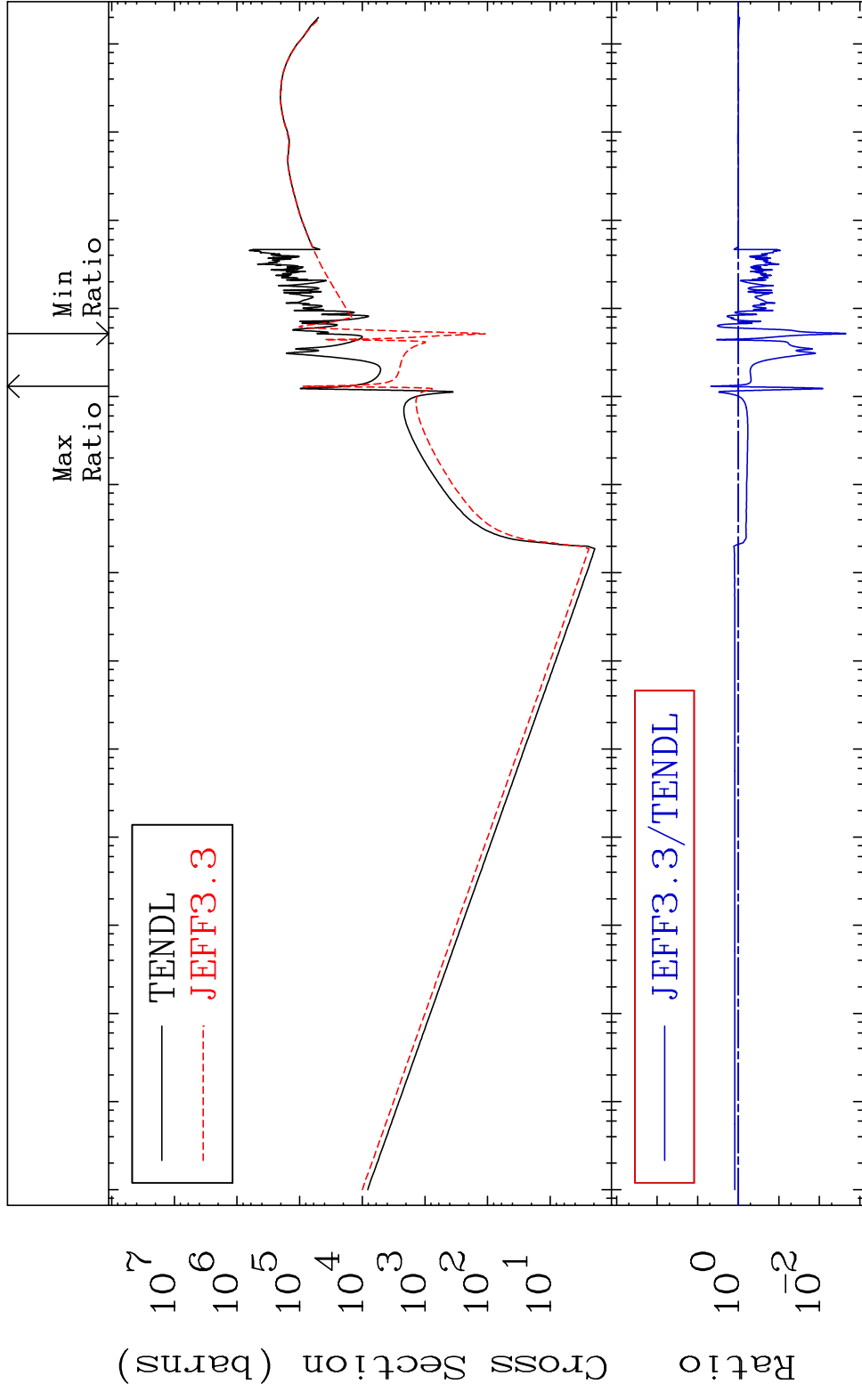
73 Incident Energy (eV) 15-P -32

MAT 1528

Dpa total (eV-barns)

15-P -32

Cross Section -99.78 To 377.7 %



74

Incident Energy (eV)

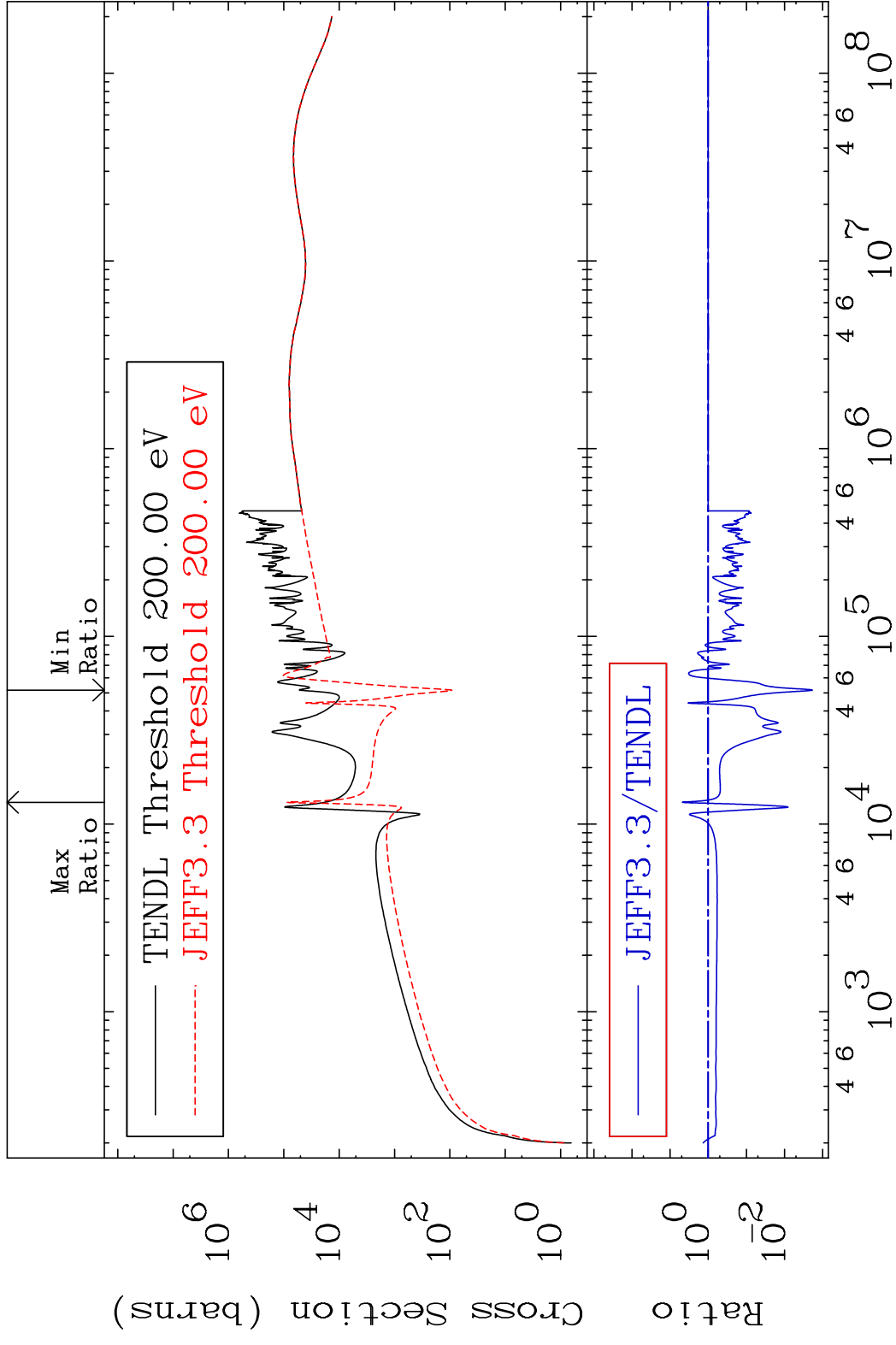
15-P -32

MAT 1528

Dpa elastic (mt2)

15-P -32

Cross Section -99.82 To 377.6 %

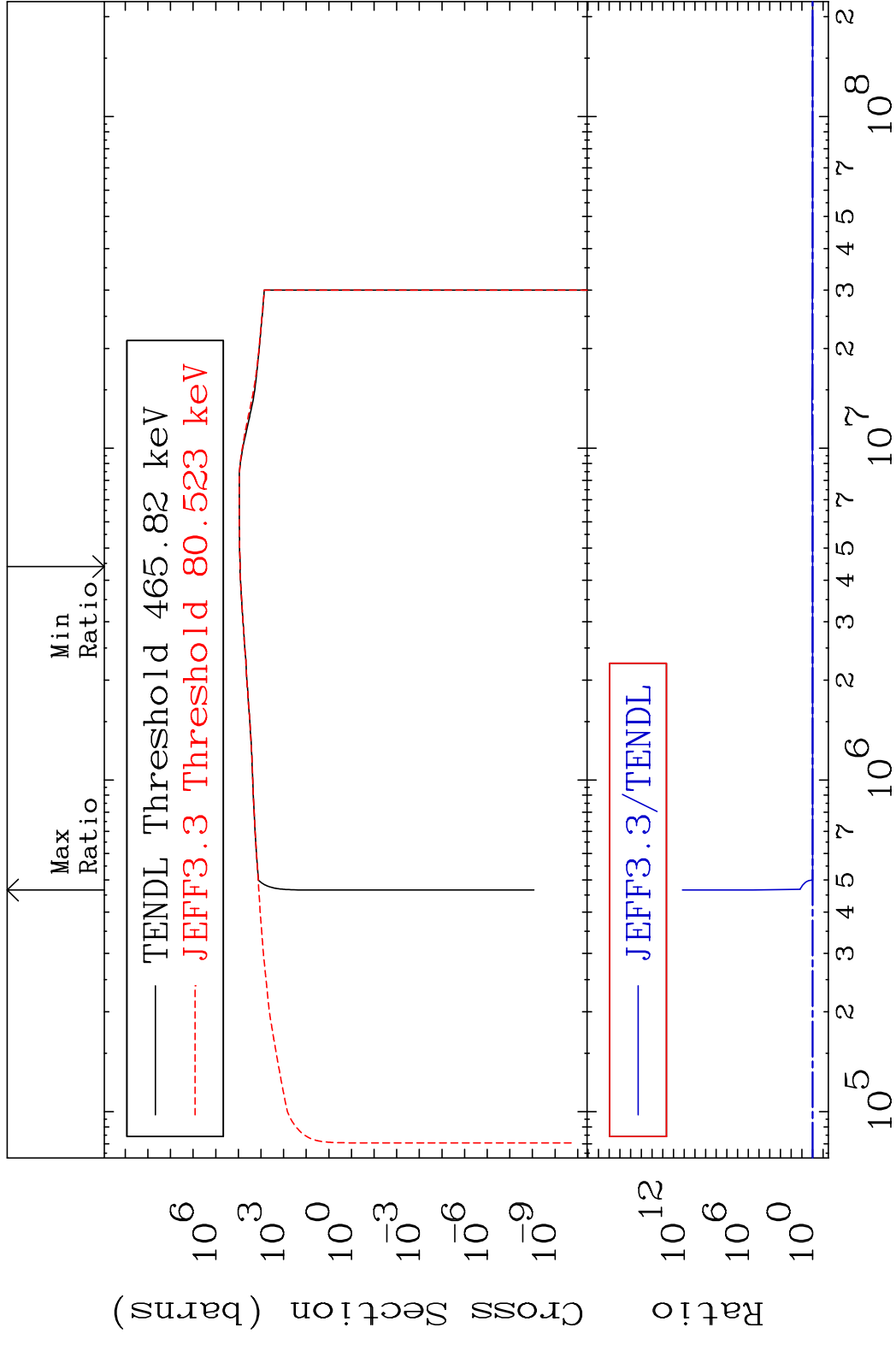


75

Incident Energy (eV)

15-P -32

Cross Section -1.125 To 9999. %



MAT 1528 Dpa disappearance (mt102 -120) 15-P -32
 Cross Section -79.43 To 826.0 %

