

Program Complot
(Version 2021-1)

by

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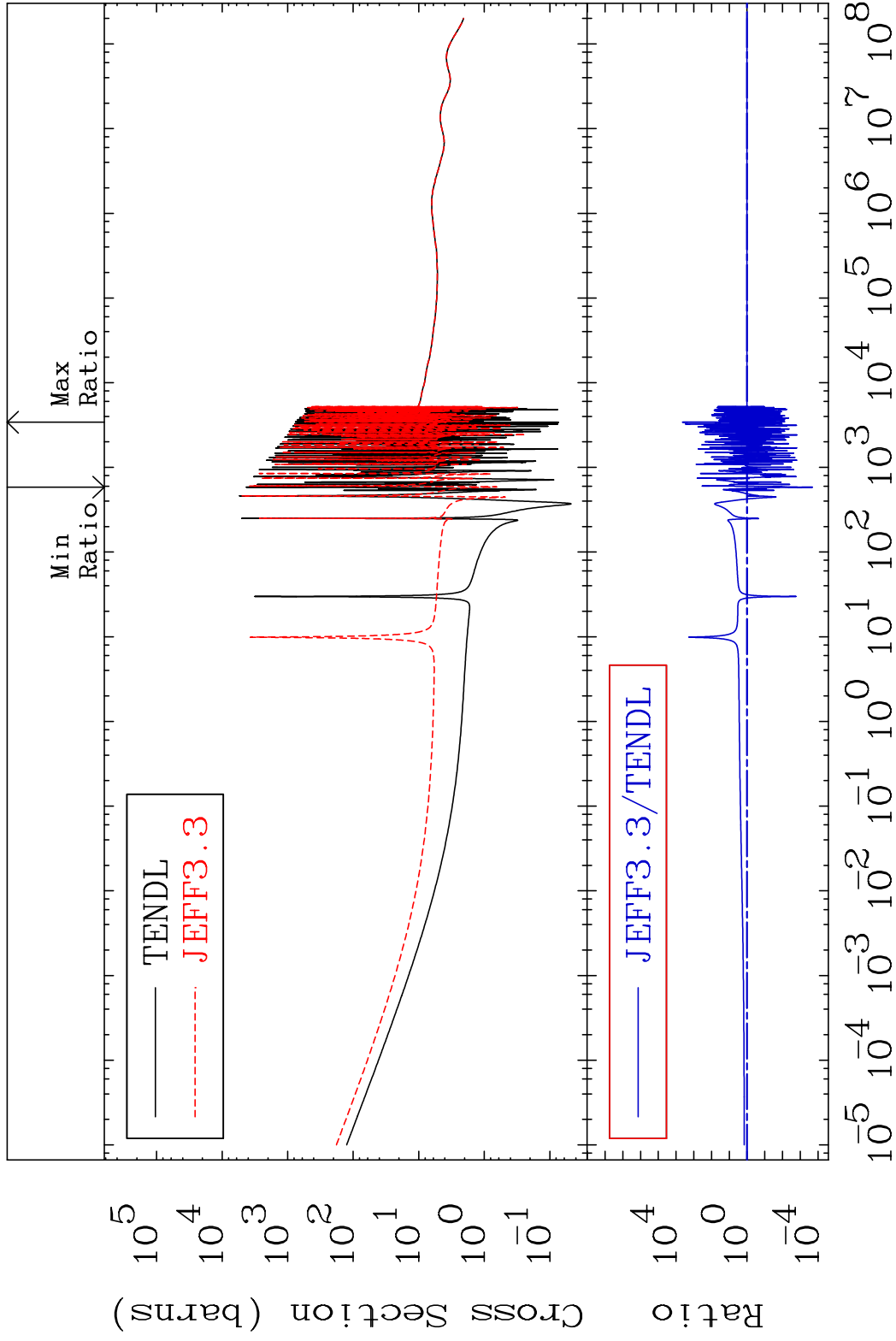
Press Mouse Button to Start

MAT 5431

Total

54-Xe-126

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

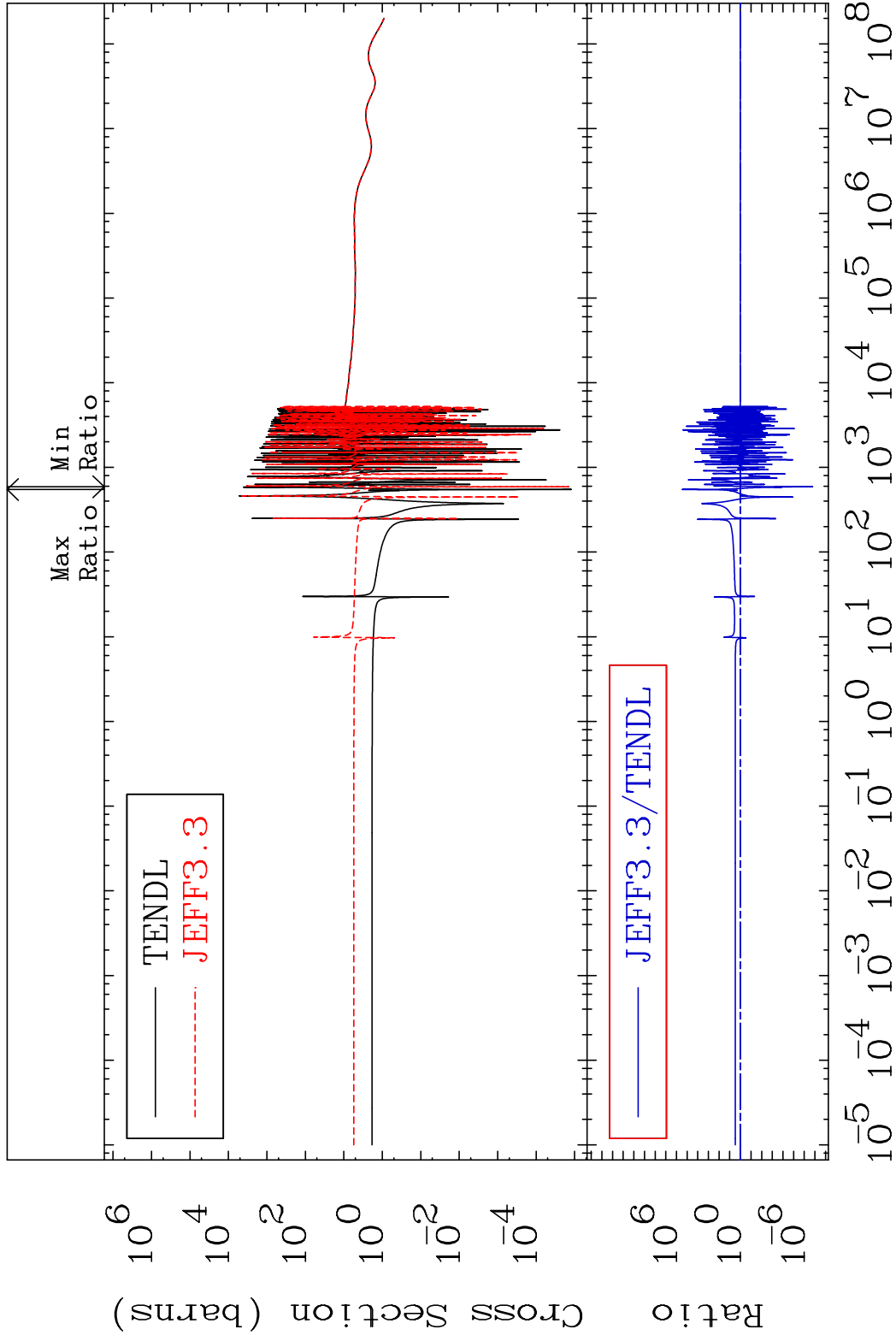
54-Xe-126

MAT 5431

Elastic

54-Xe-126

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

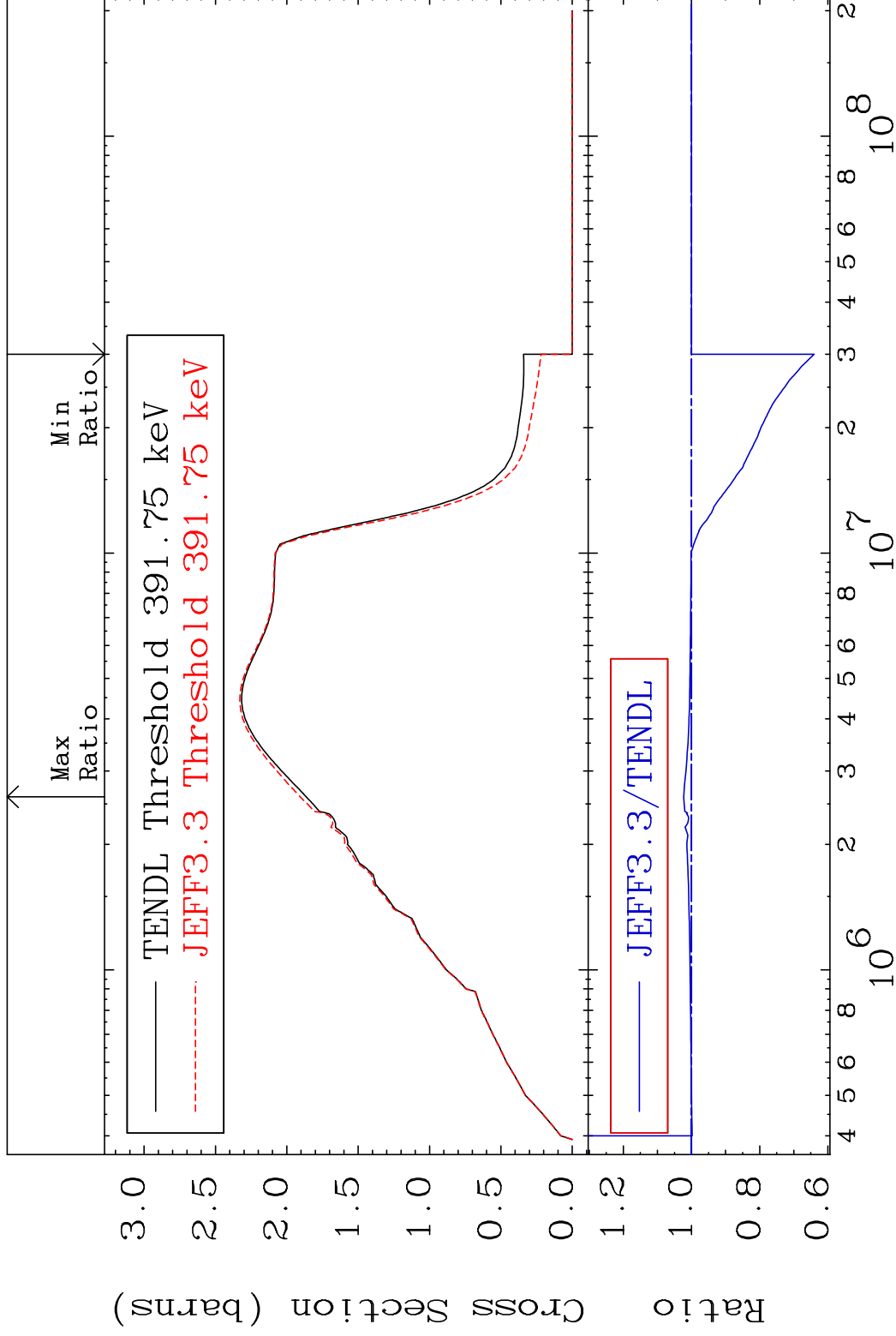
54-Xe-126

MAT 5431

Inelastic

54-Xe-126

Cross Section -35.97 To 2.304 %



3

Incident Energy (eV)

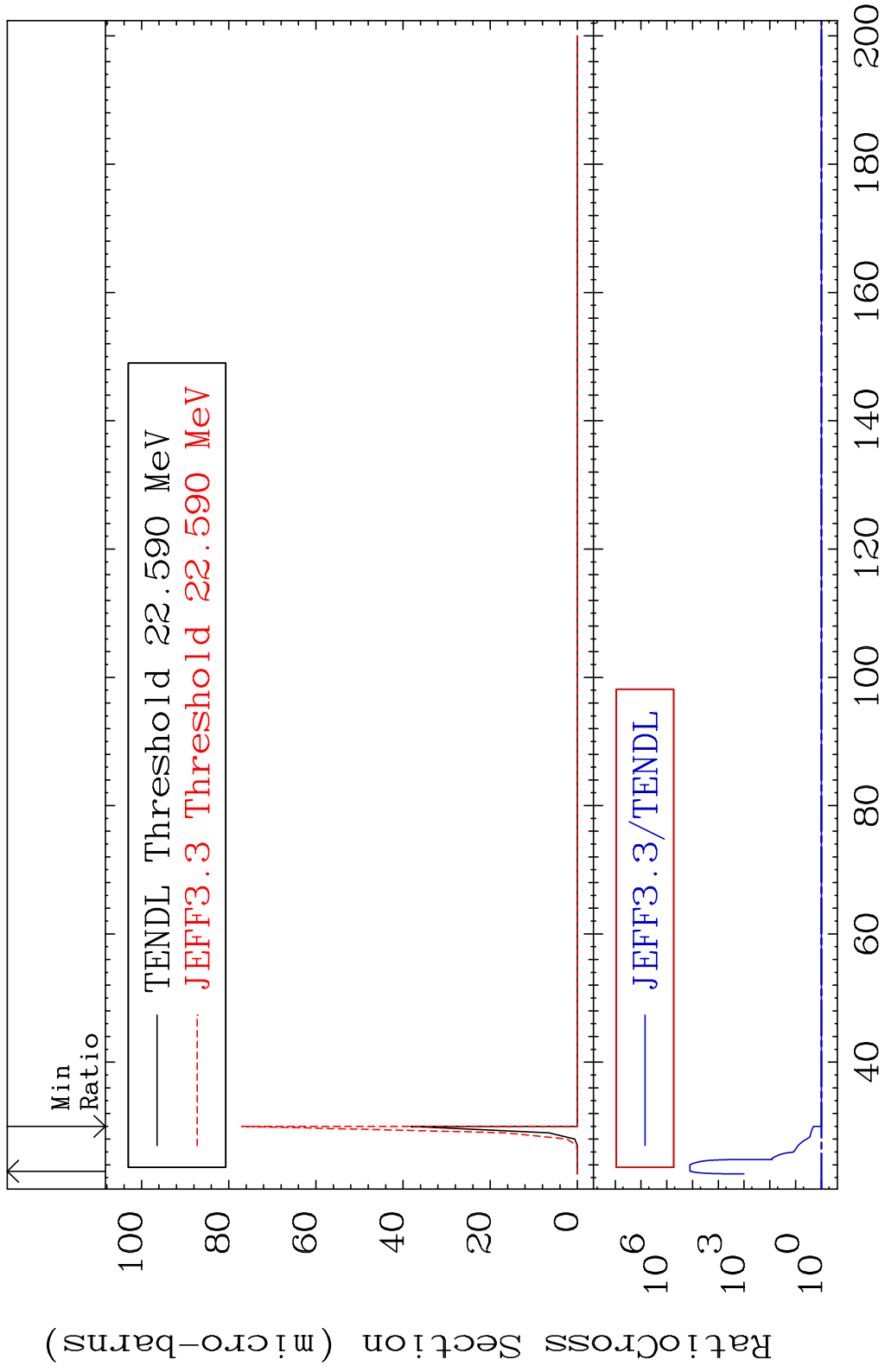
54-Xe-126

MAT 5431

(n,2n) d

54-Xe-126

Cross Section 0.000 To 9999. %



4

Incident Energy (MeV)

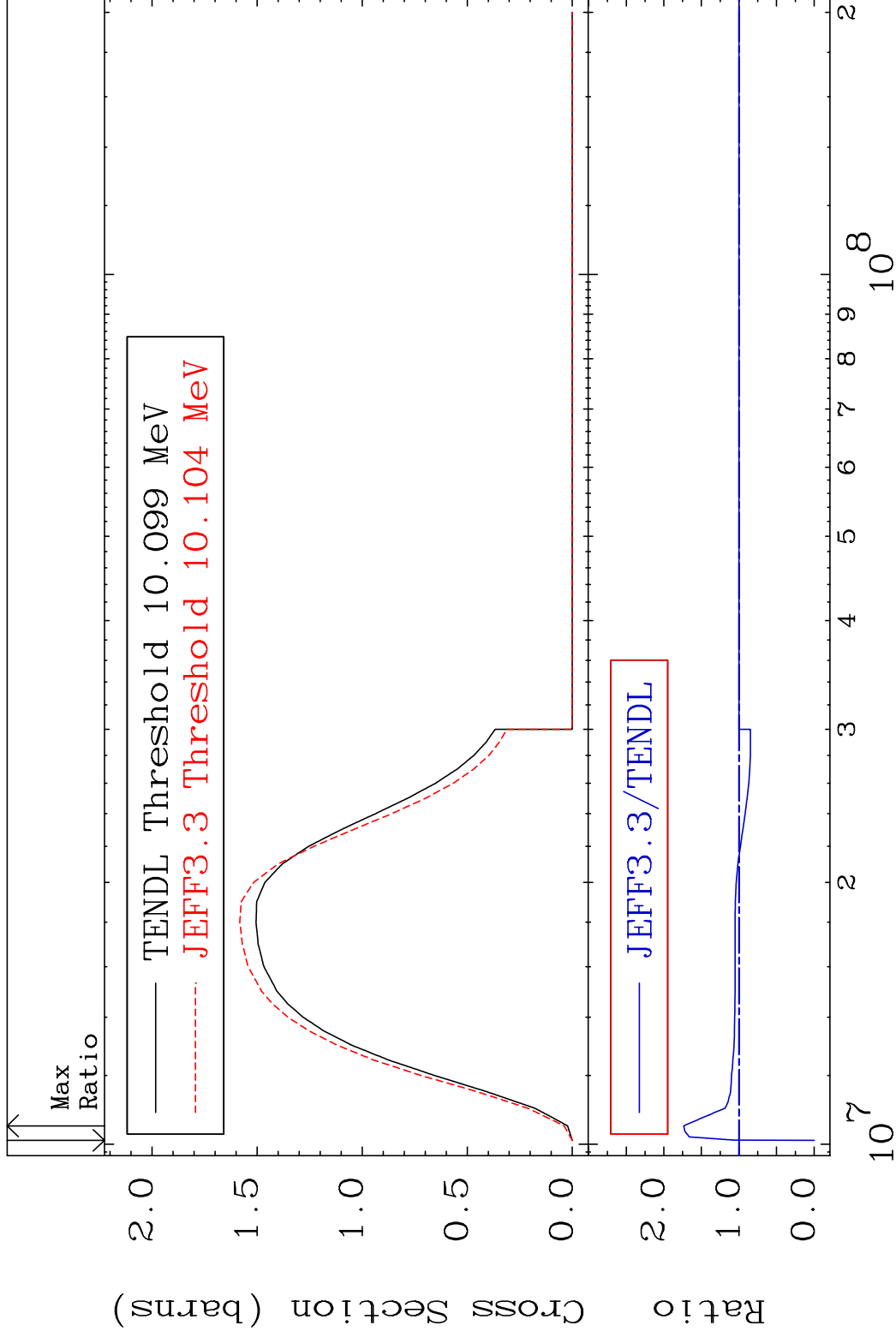
54-Xe-126

MAT 5431

(n,2n)

54-Xe-126

Cross Section -100.0 To 73.60 %



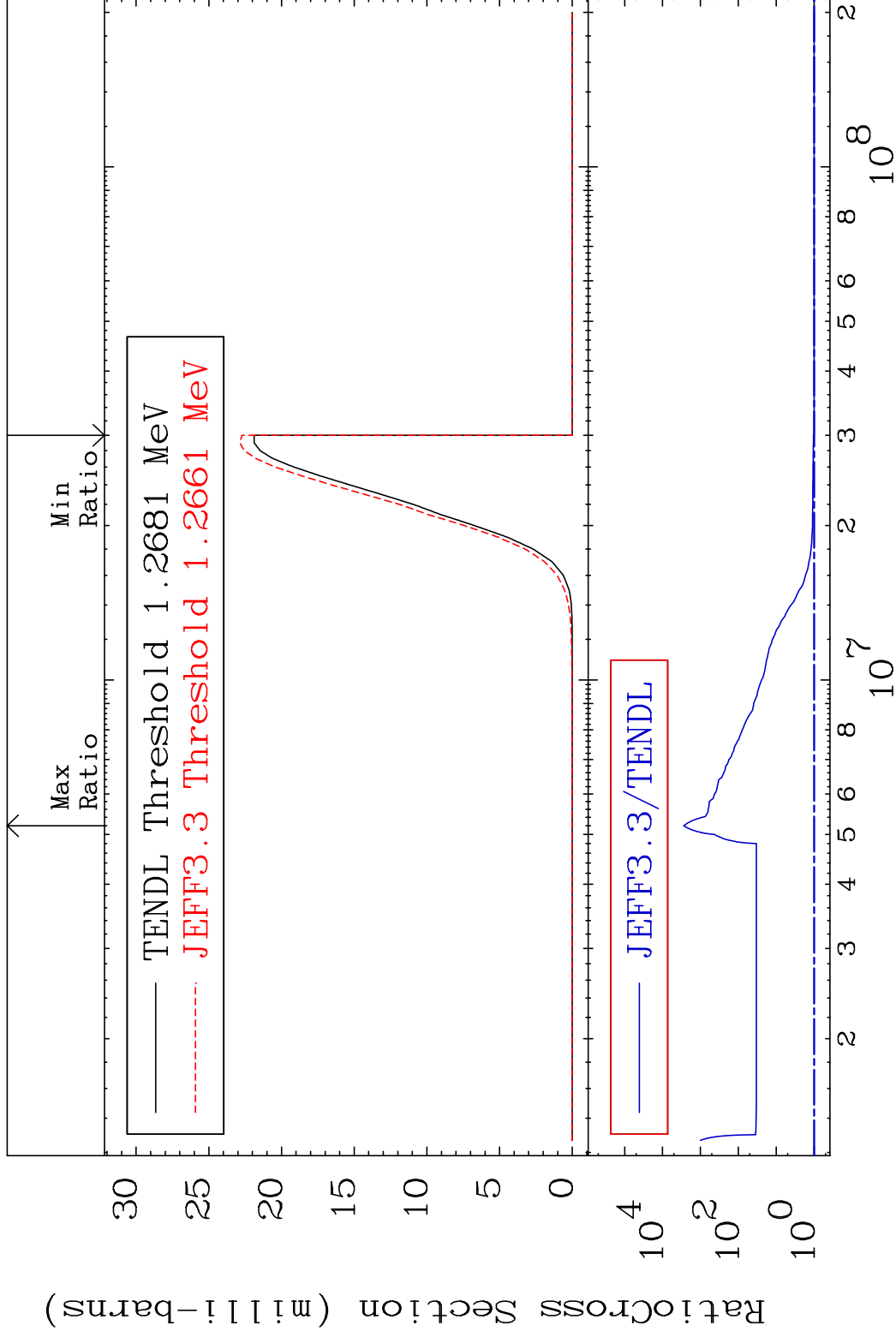
5

Incident Energy (eV)

54-Xe-126

MAT 5431

(n, n') α 54-Xe-126
Cross Section 0.000 To 9999. %

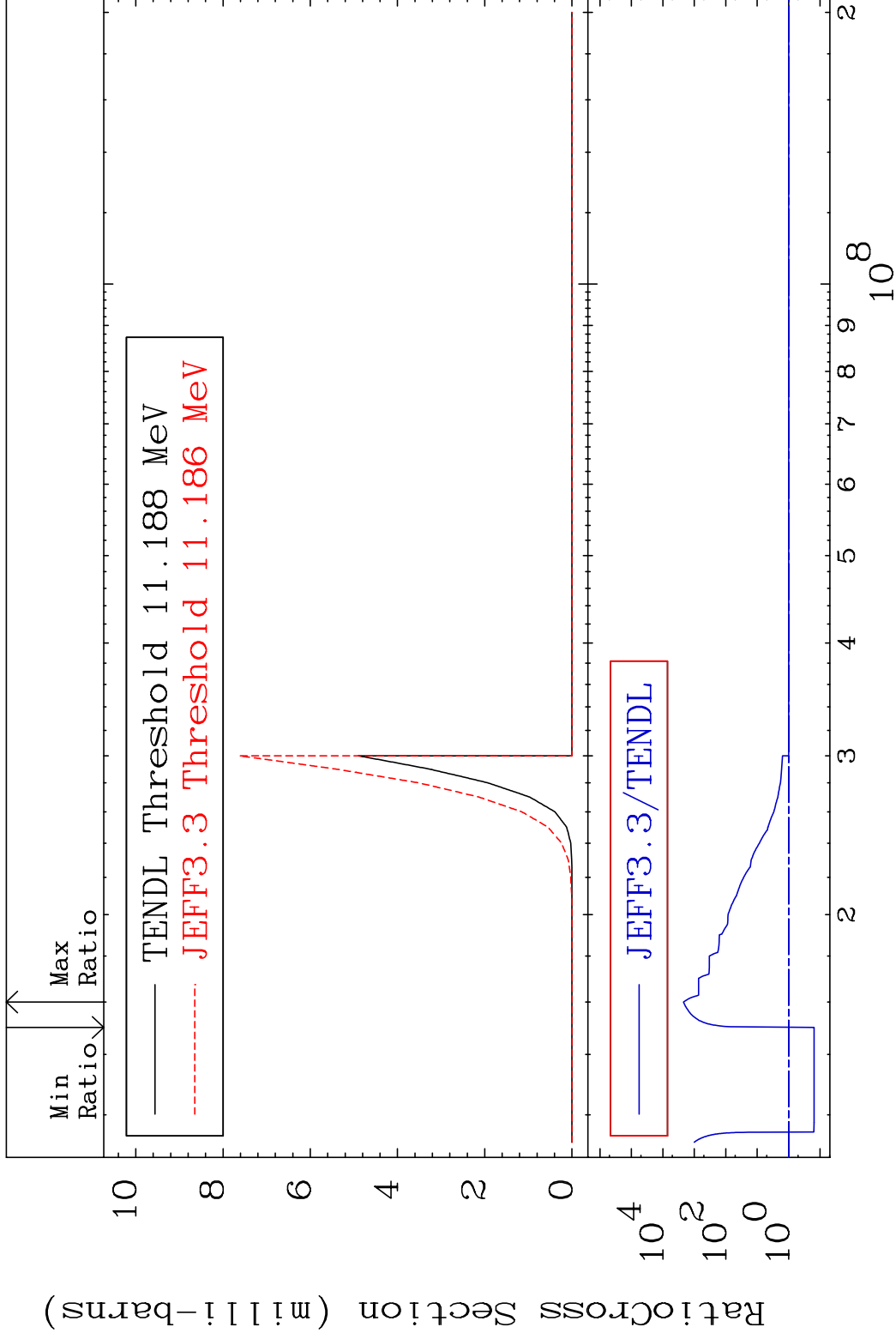


MAT 5431

(n,2n) α

54-Xe-126

Cross Section -84.45 To 9999. %

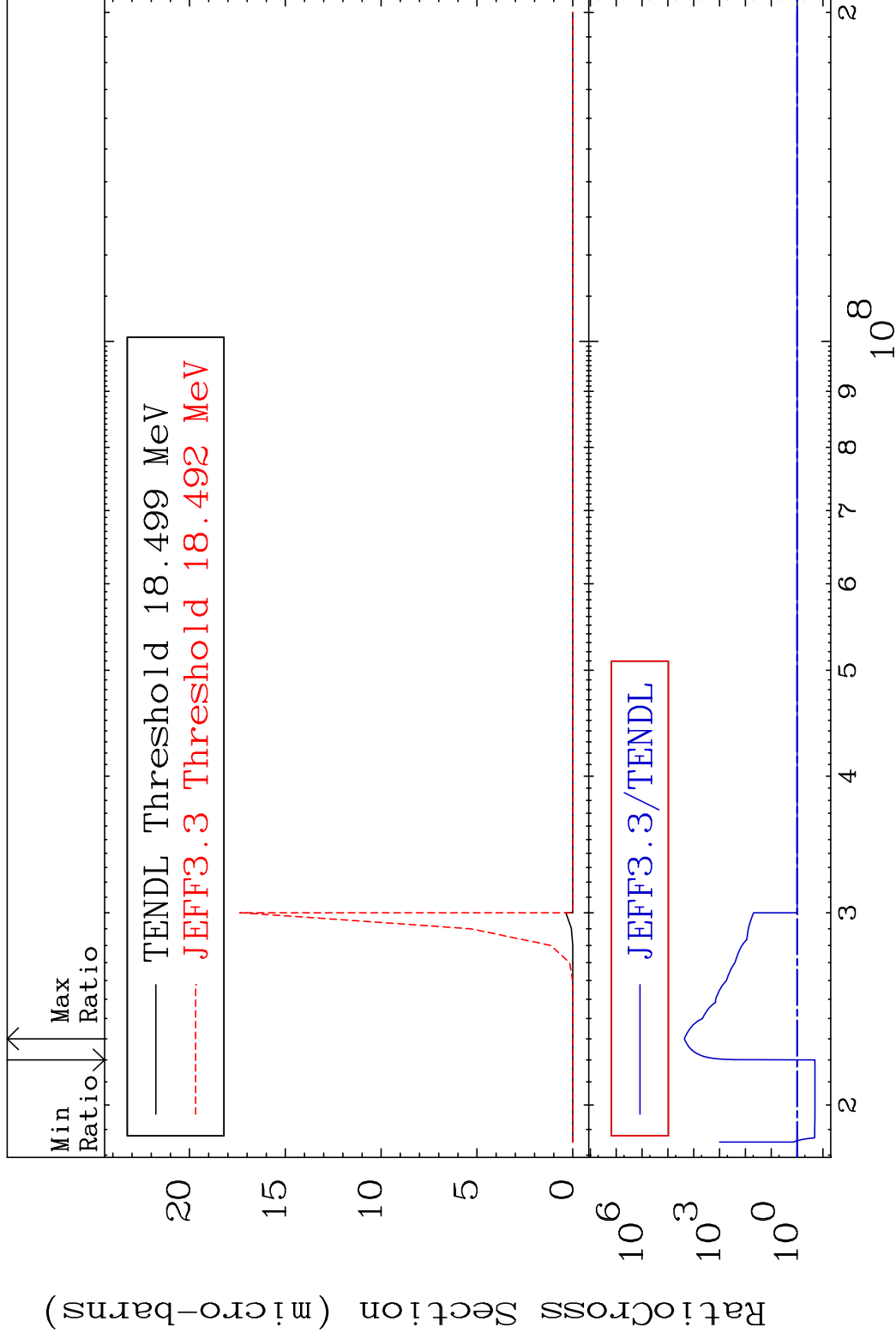


MAT 5431

(n,3n) α

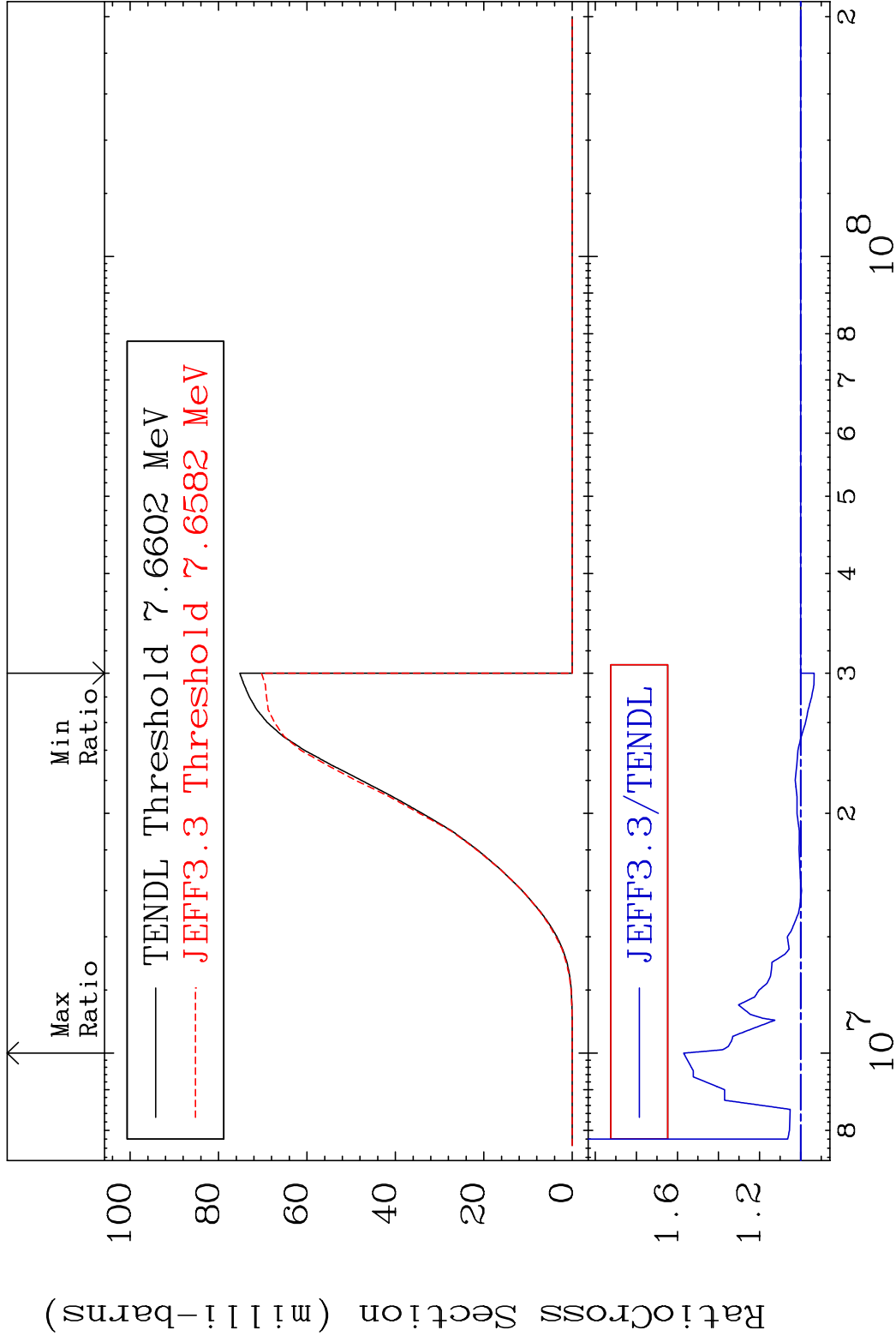
54-Xe-126

Cross Section -79.60 To 9999. %



MAT 5431

(n, n') p 54-Xe-126
Cross Section -6.528 To 56.96 %



10

Incident Energy (eV)

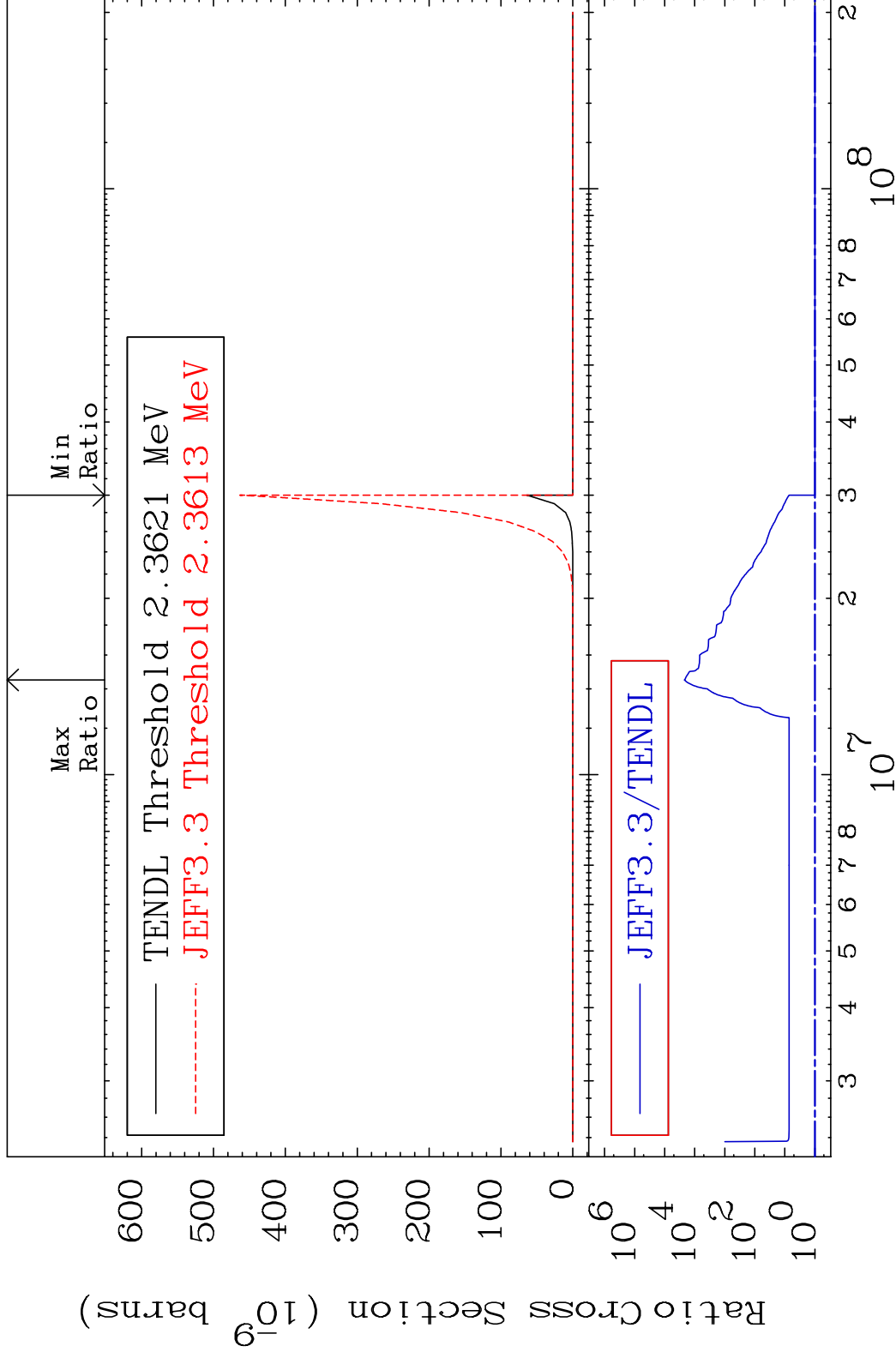
54-Xe-126

MAT 5431

54-Xe-126

(n, n') 2α

Cross Section 0.000 To 9999. %

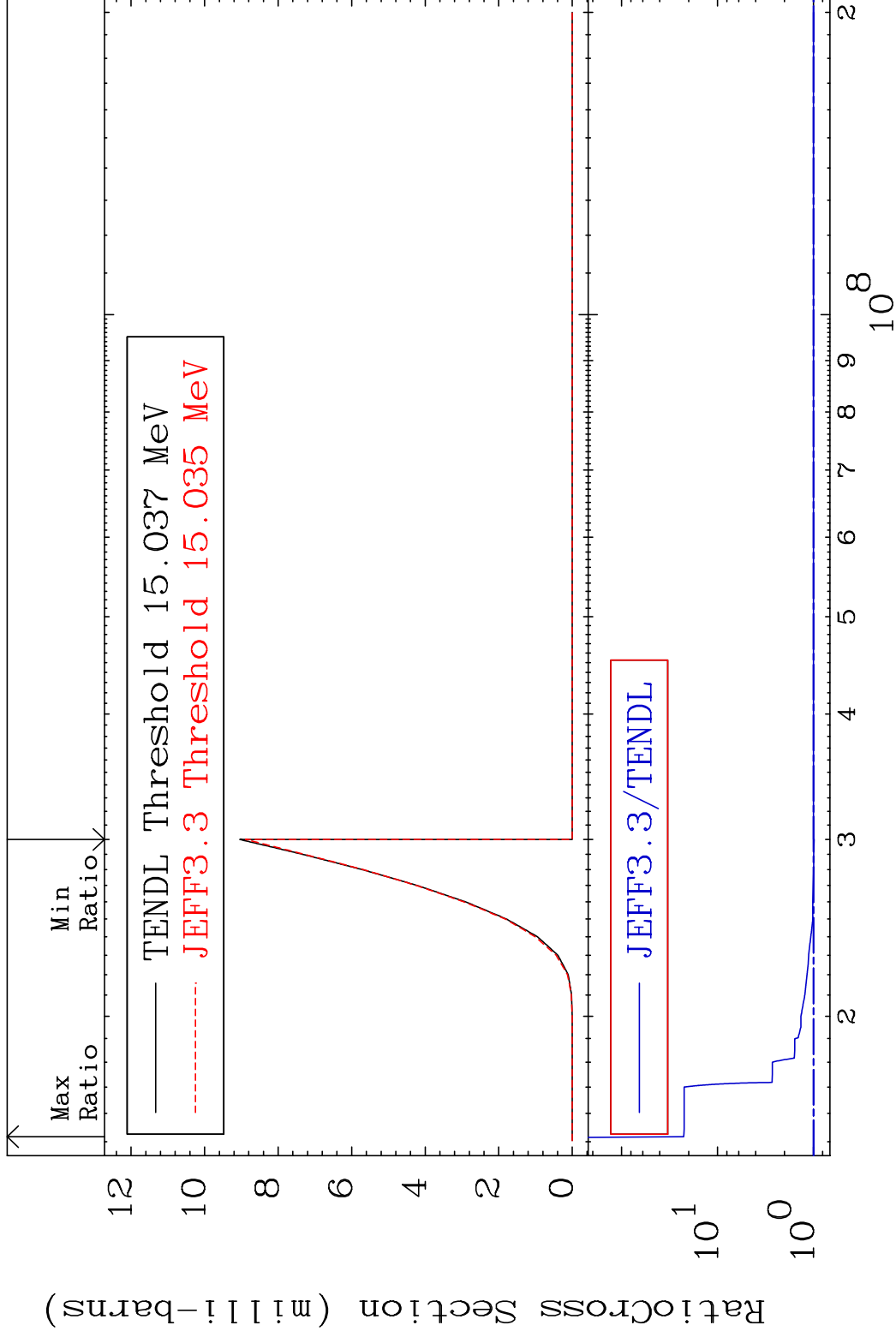


MAT 5431

(n, n') d

54-Xe-126

Cross Section -1.737 To 2153. %



12

Incident Energy (eV)

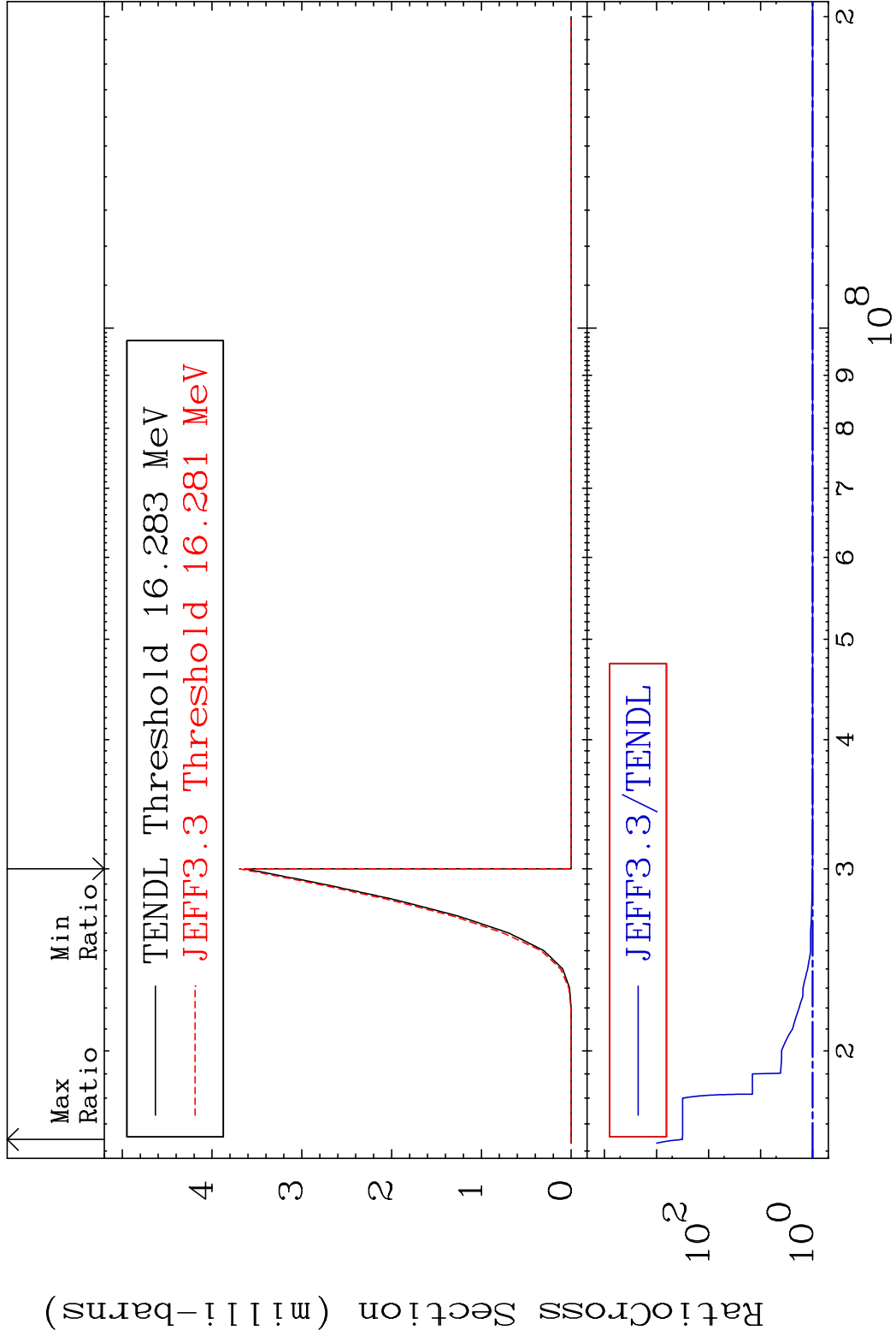
54-Xe-126

MAT 5431

(n, n') t

54-Xe-126

Cross Section 0.000 To 9999. %

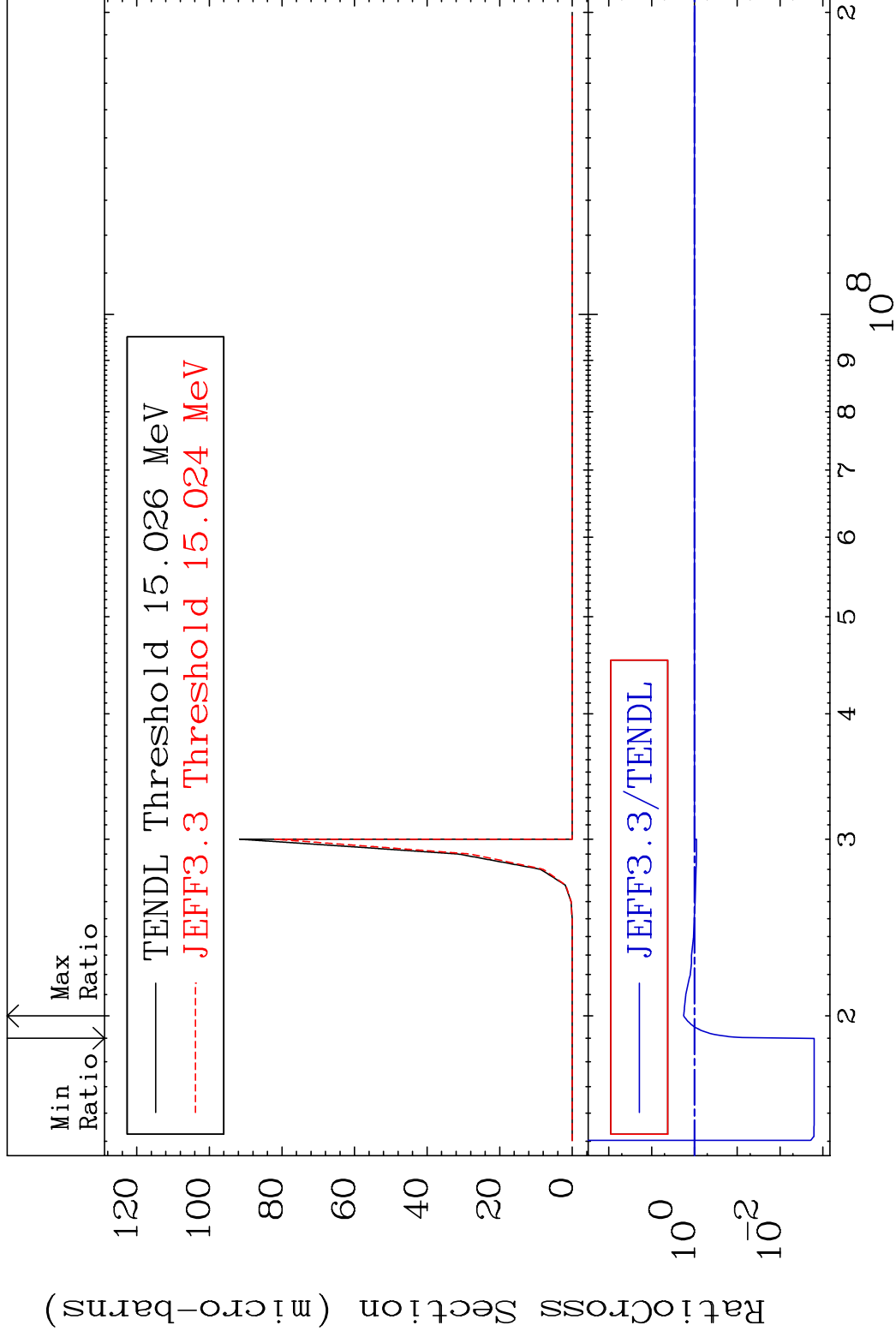


MAT 5431

(n,n') He-3

54-Xe-126

Cross Section -99.84 To 78.62 %

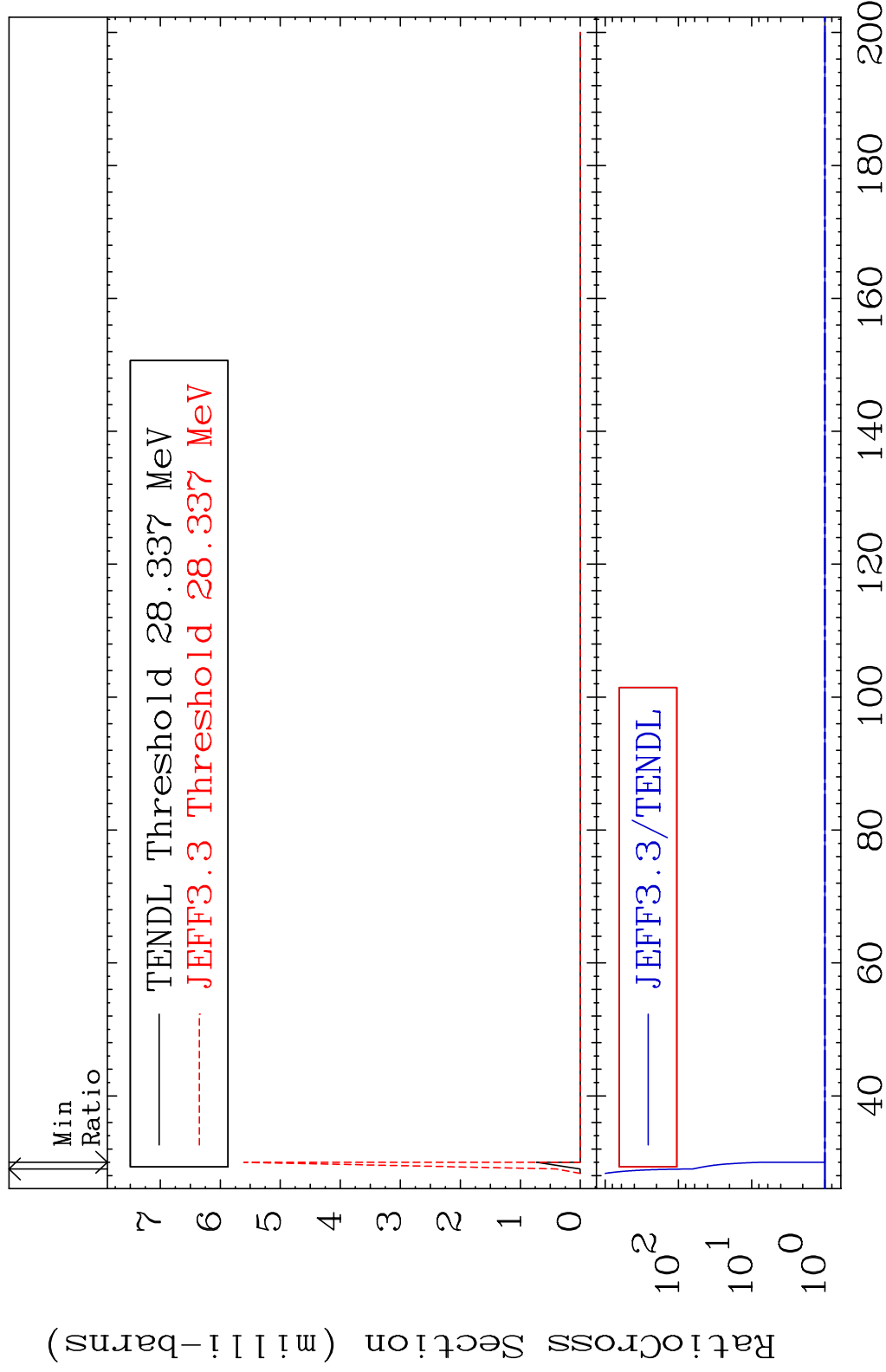


MAT 5431

(n,4n)

54-Xe-126

Cross Section 0.000 To 6231. %

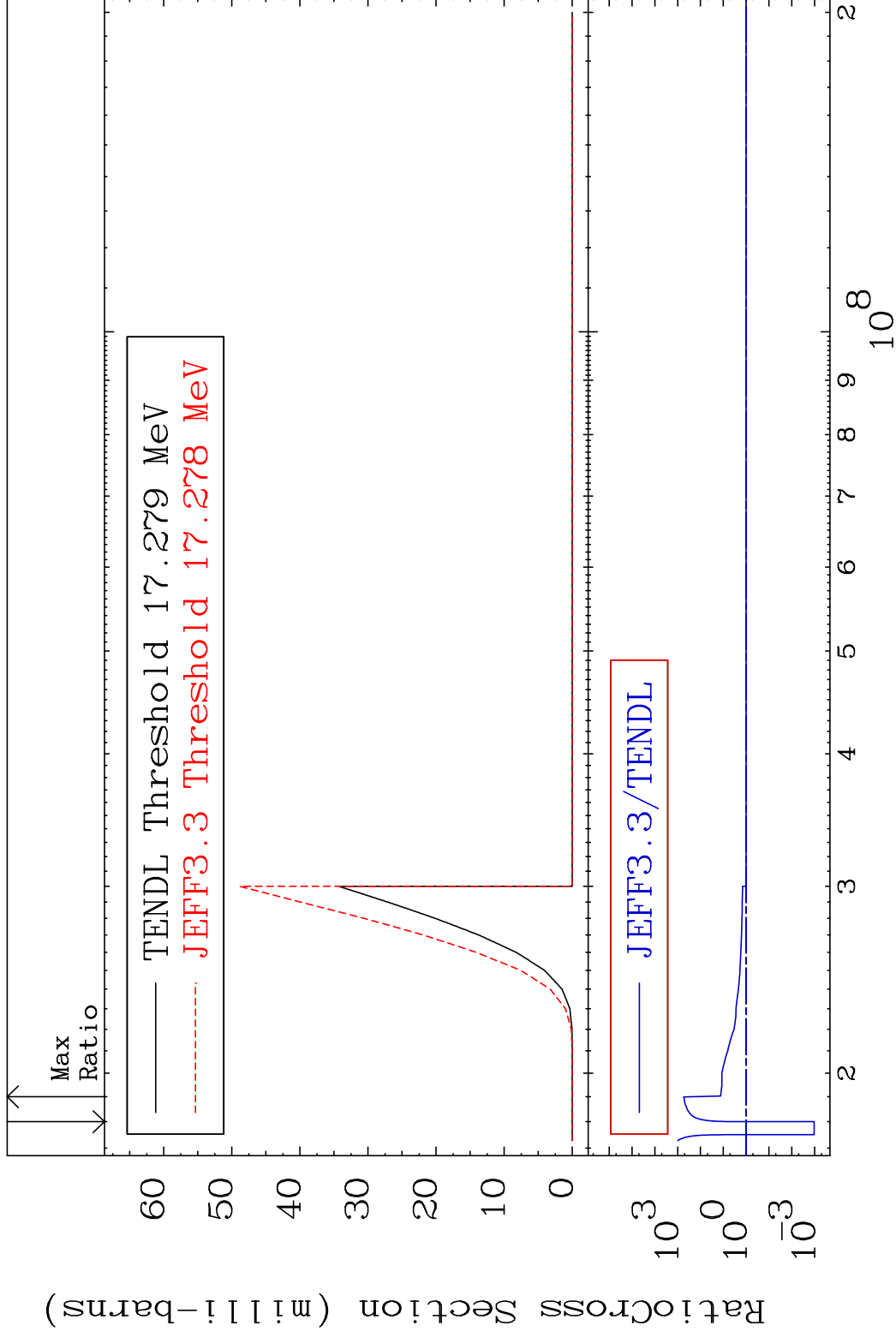


MAT 5431

(n,2n) p

54-Xe-126

Cross Section -99.90 To 9999. %

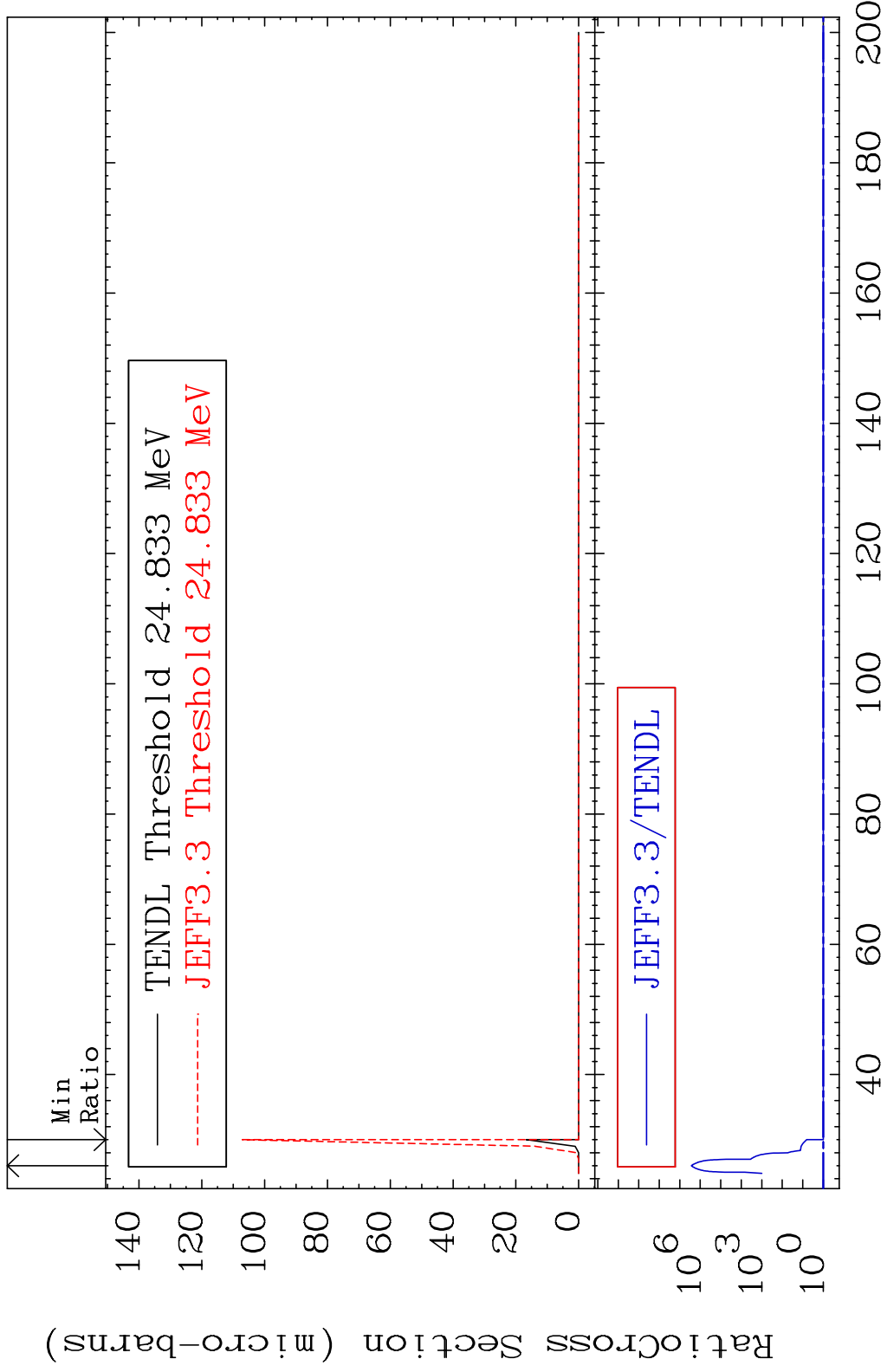


MAT 5431

(n,3n) p

54-Xe-126

Cross Section 0.000 To 9999. %

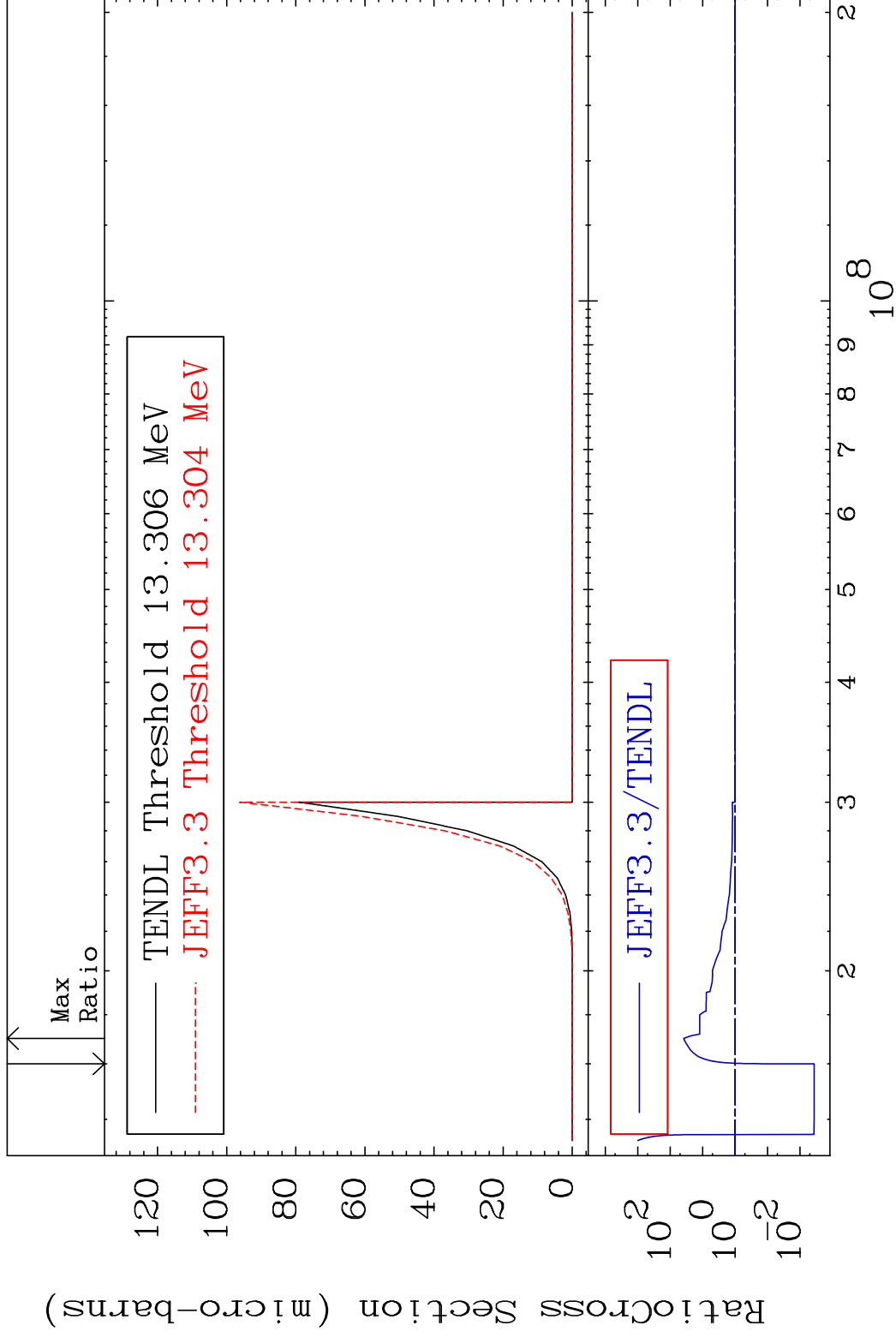


MAT 5431

(n,2n) p

54-Xe-126

Cross Section -99.63 To 3759. %

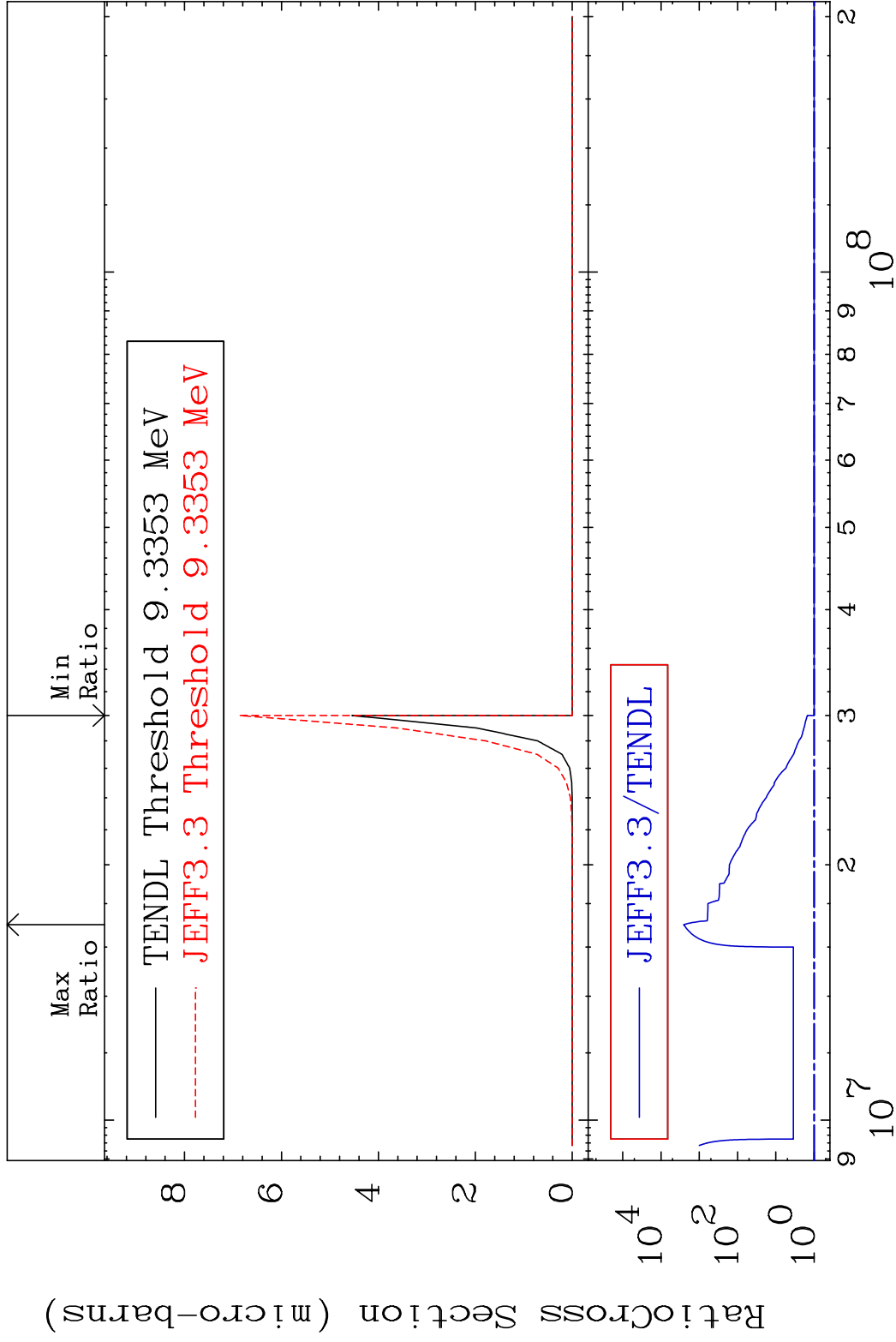


MAT 5431

(n, n') p α

54-Xe-126

Cross Section 0.000 To 9999. %



19

Incident Energy (eV)

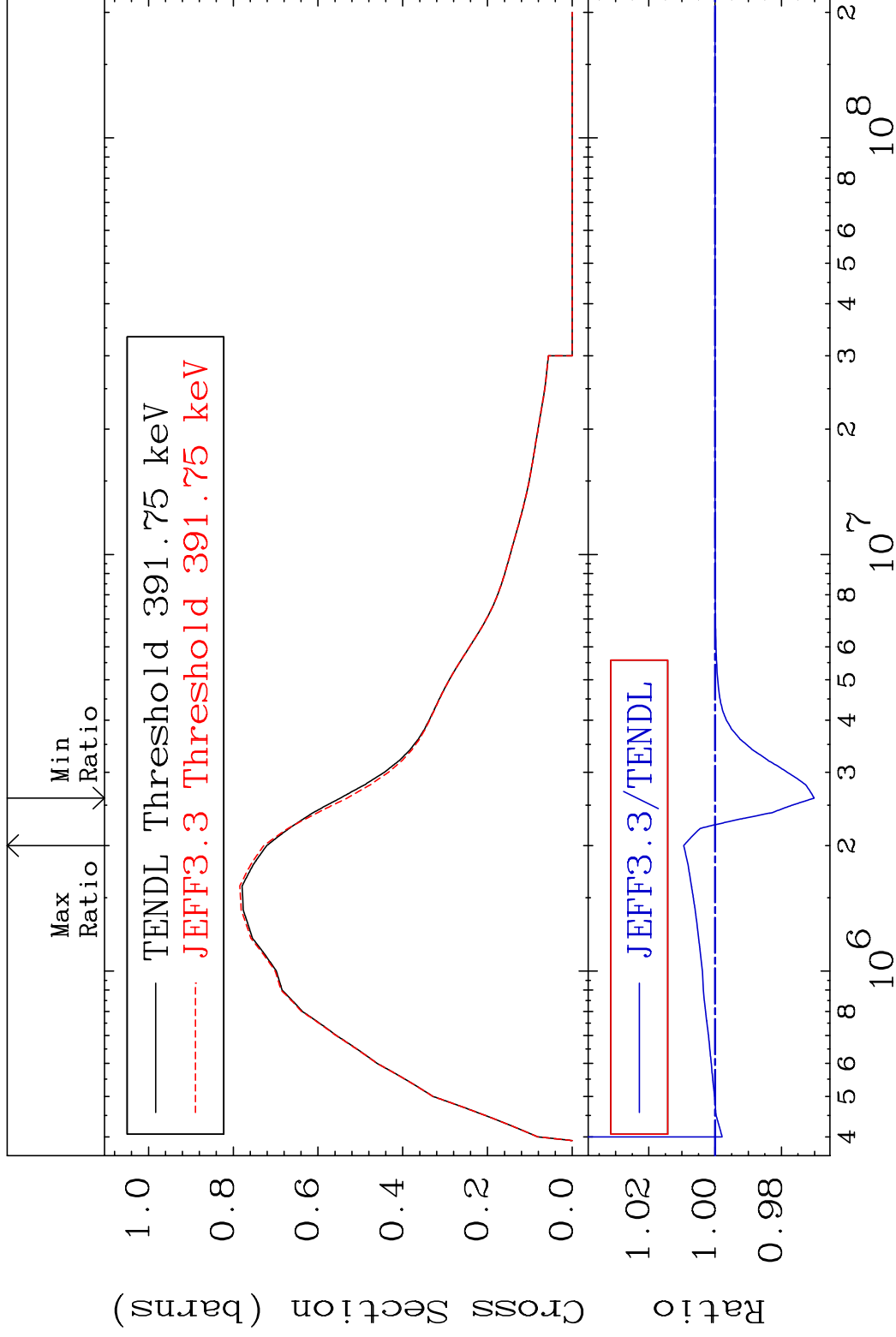
54-Xe-126

MAT 5431

MT= 51 (n,n') Level

54-Xe-126

Cross Section -2.986 To 0.948 %



20

Incident Energy (eV)

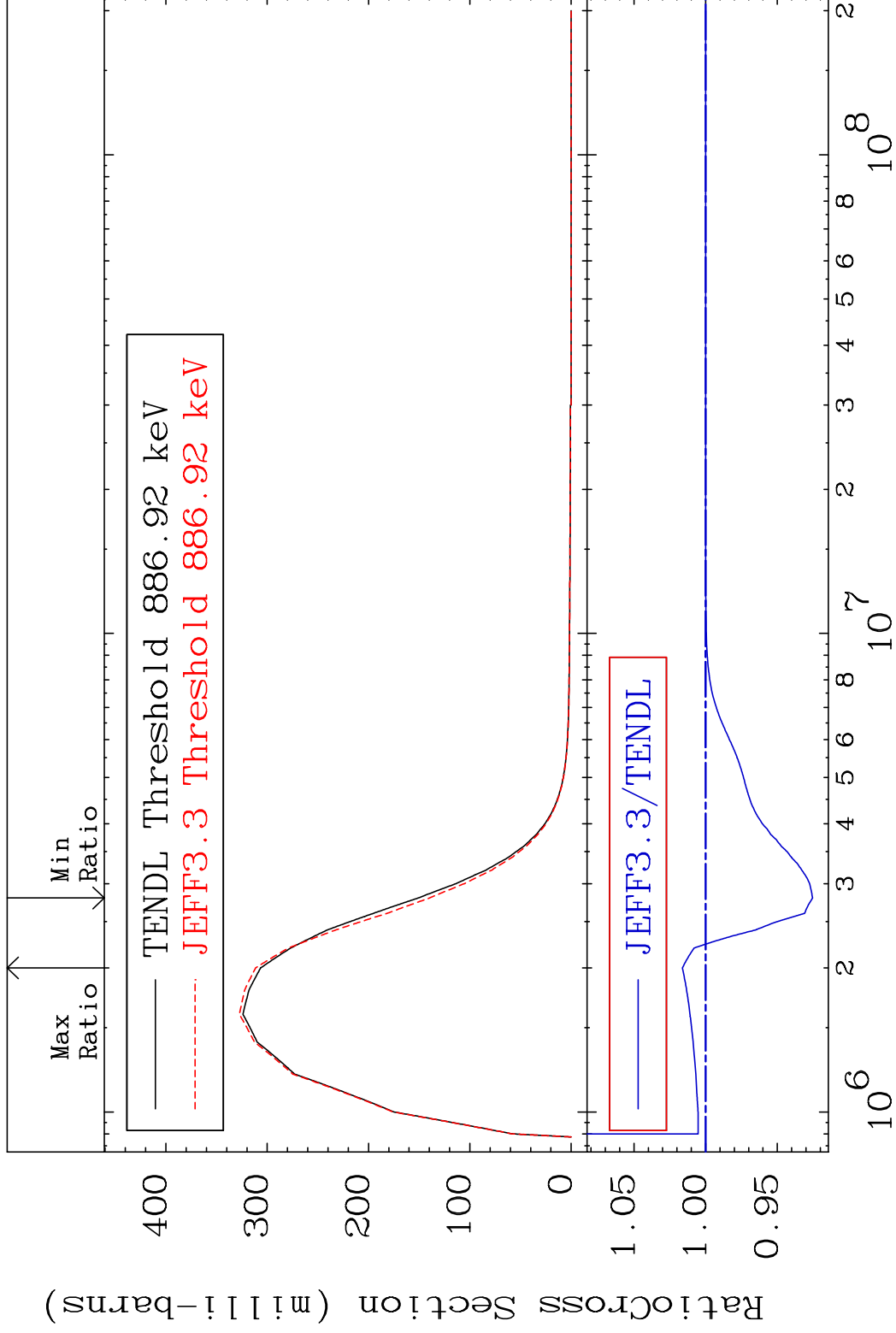
54-Xe-126

MAT 5431

MT= 52 (n, n') Level

54-Xe-126

Cross Section -7.456 To 1.626 %

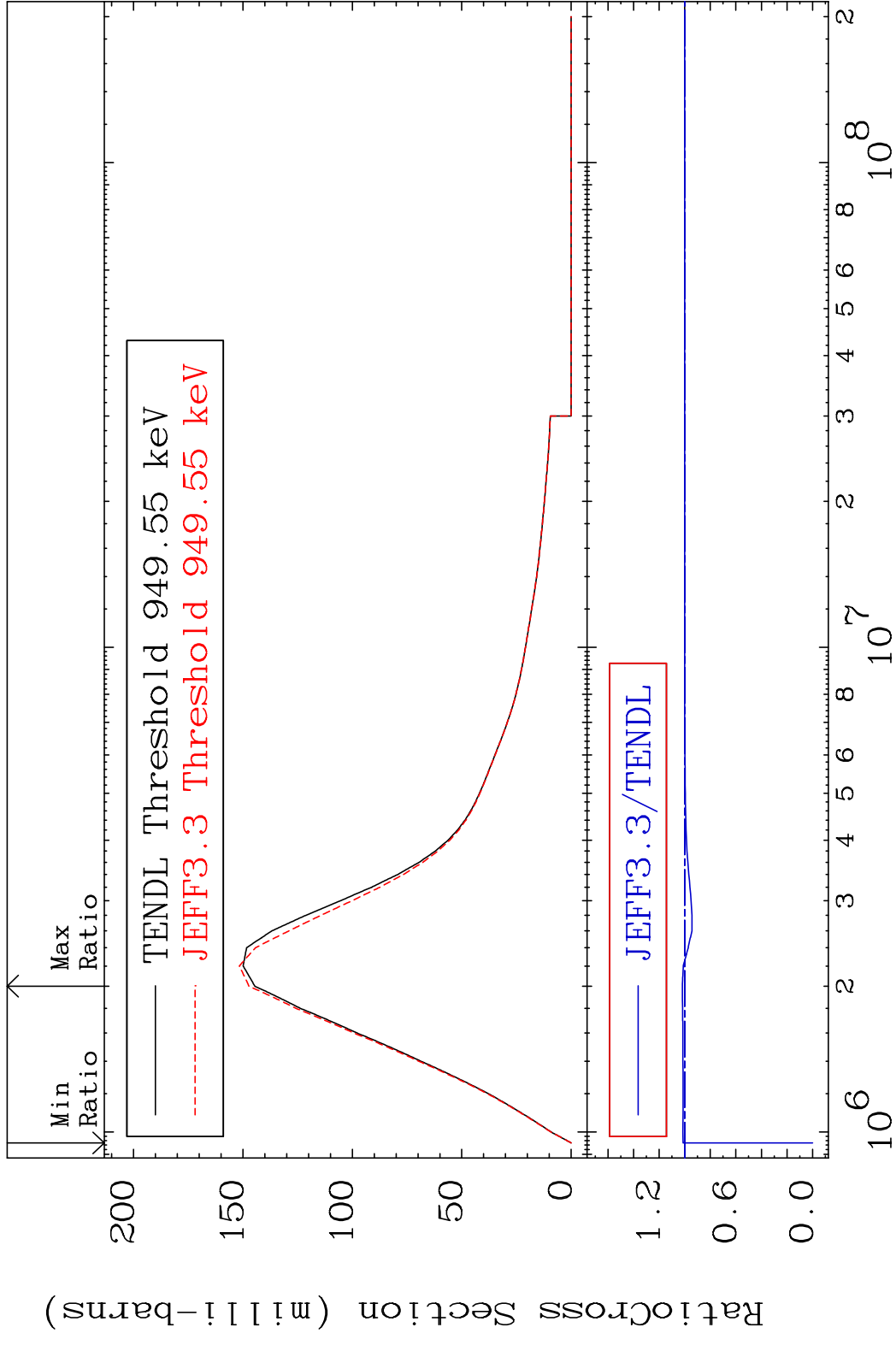


21

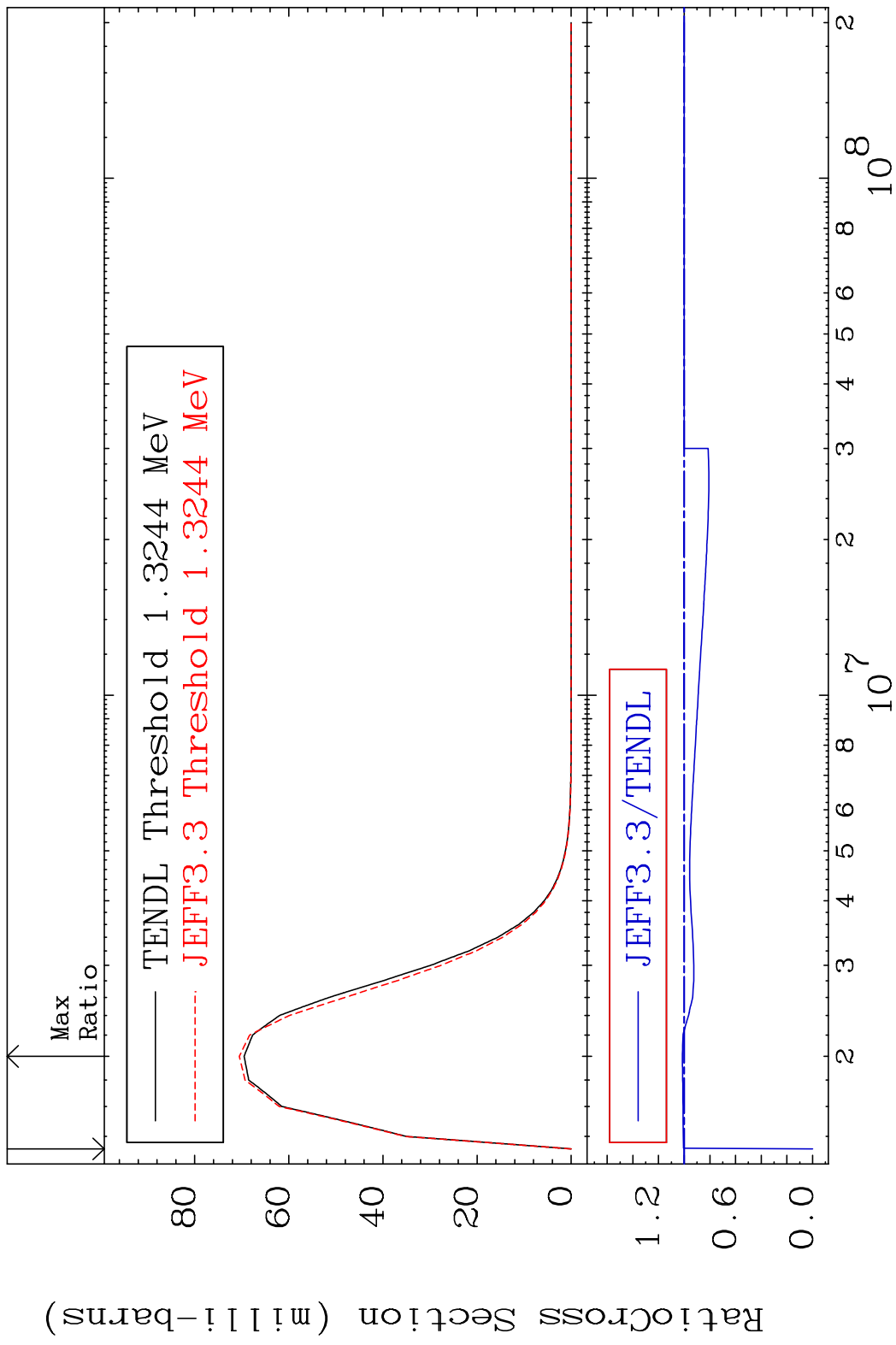
Incident Energy (eV)

54-Xe-126

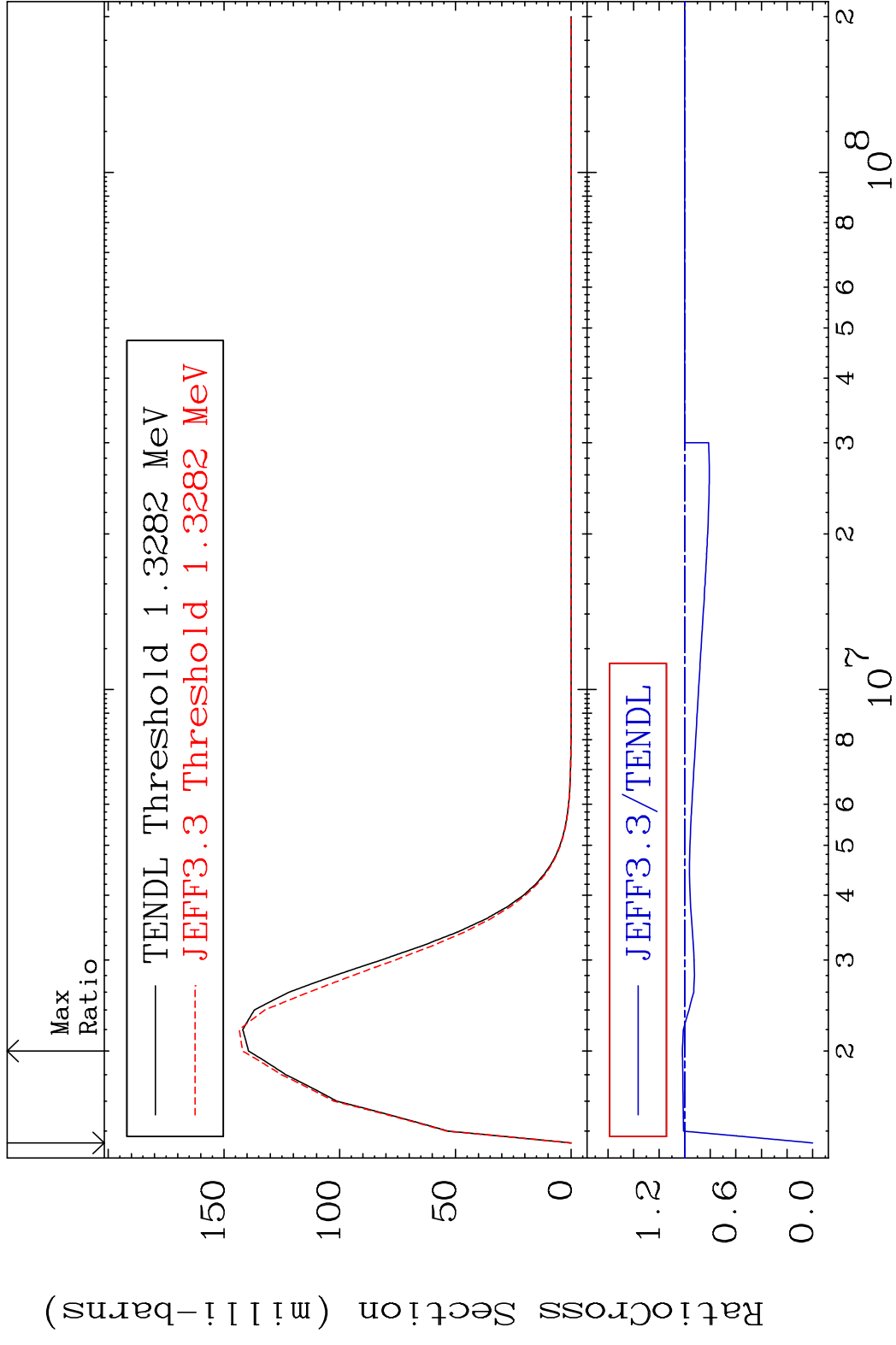
MAT 5431 MT= 53 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 1.843 %



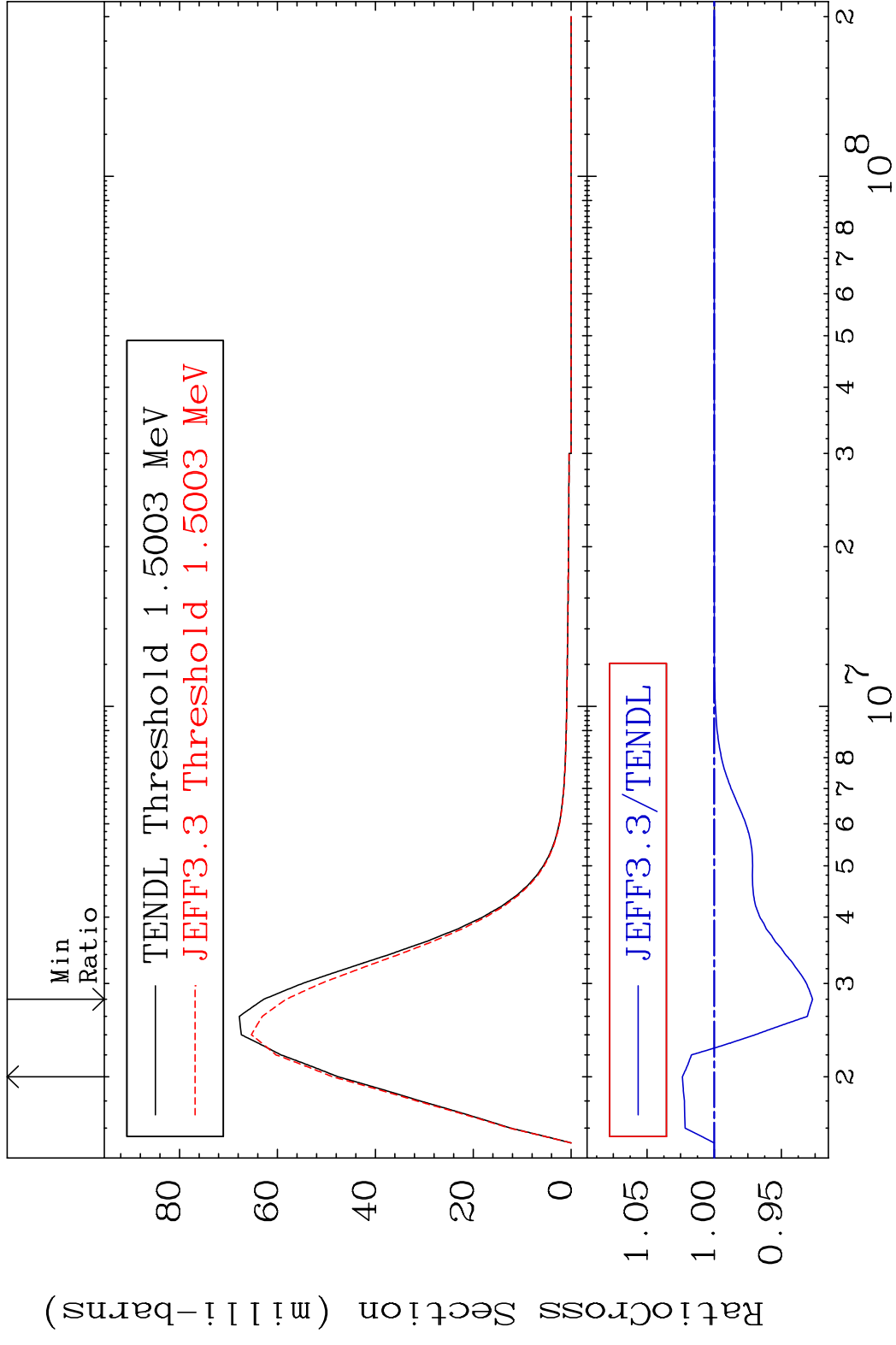
MAT 5431 MT= 54 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 1.448 %



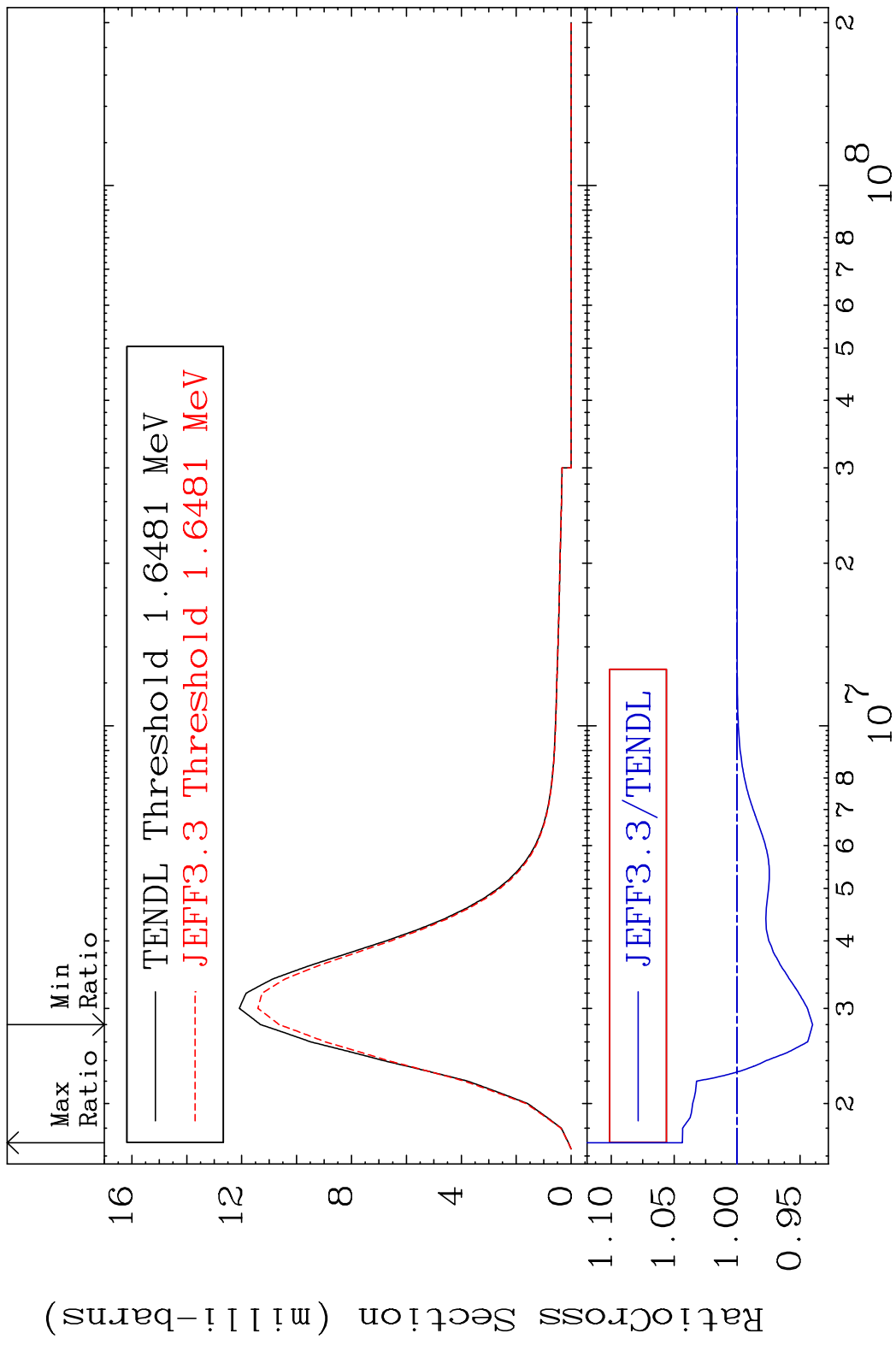
MAT 5431 MT= 55 (n,n') Level 54-Xe-126
 Cross Section -100.0 To 1.851 %



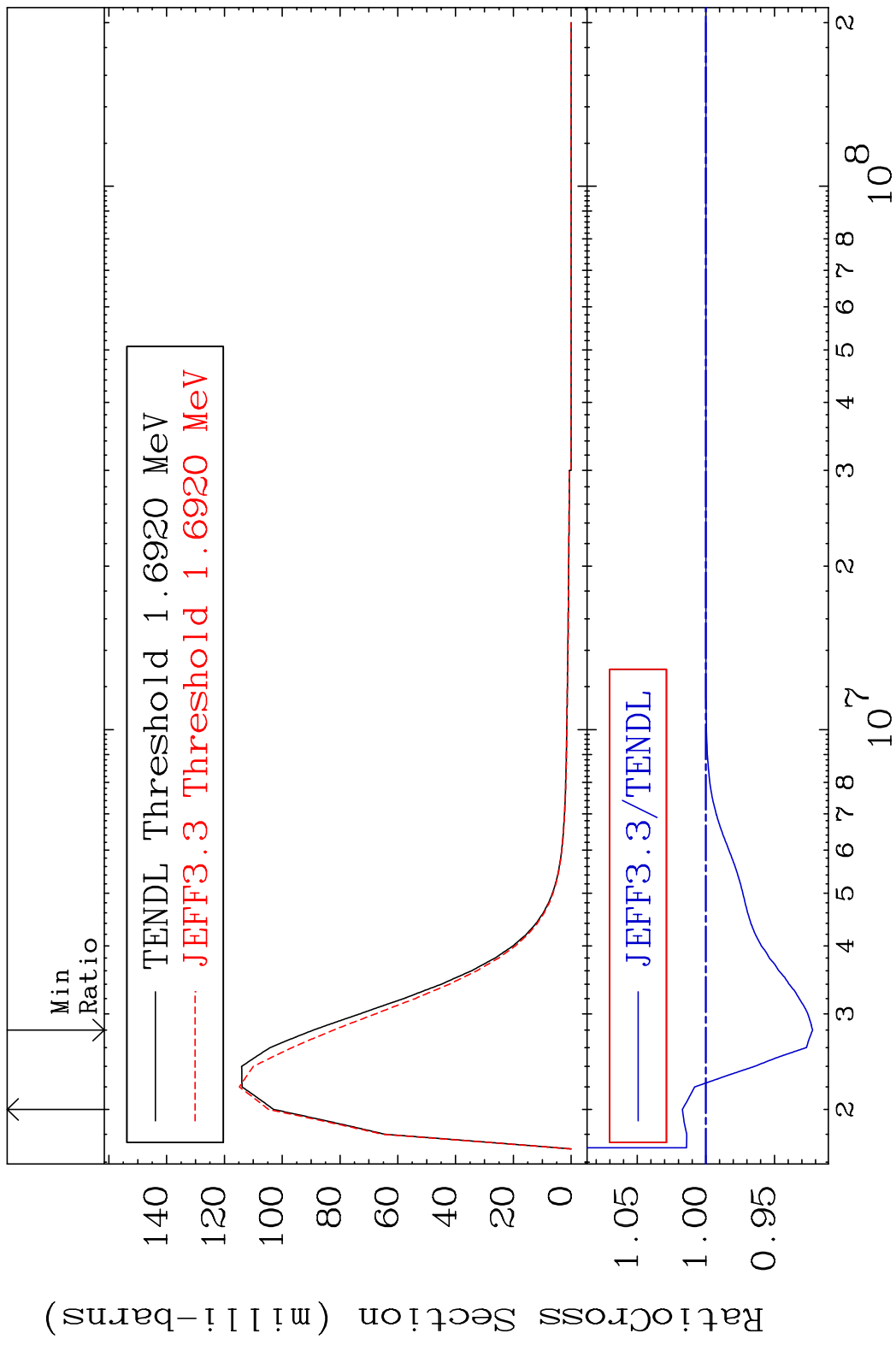
MAT 5431 MT= 56 (n,n') Level 54-Xe-126
 Cross Section -7.312 To 2.371 %



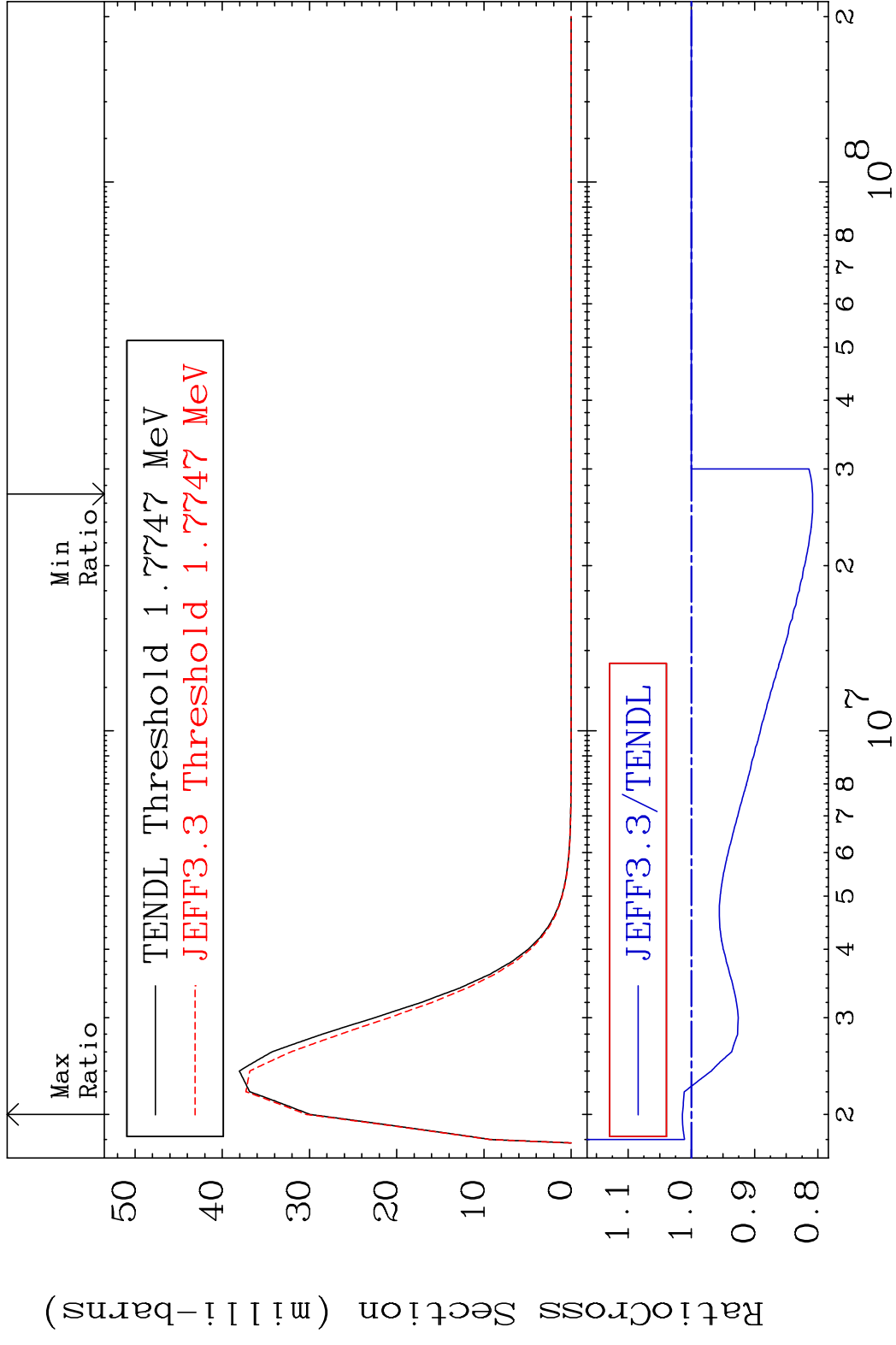
MAT 5431 MT= 57 (n,n') Level 54-Xe-126
 Cross Section -6.002 To 4.349 %



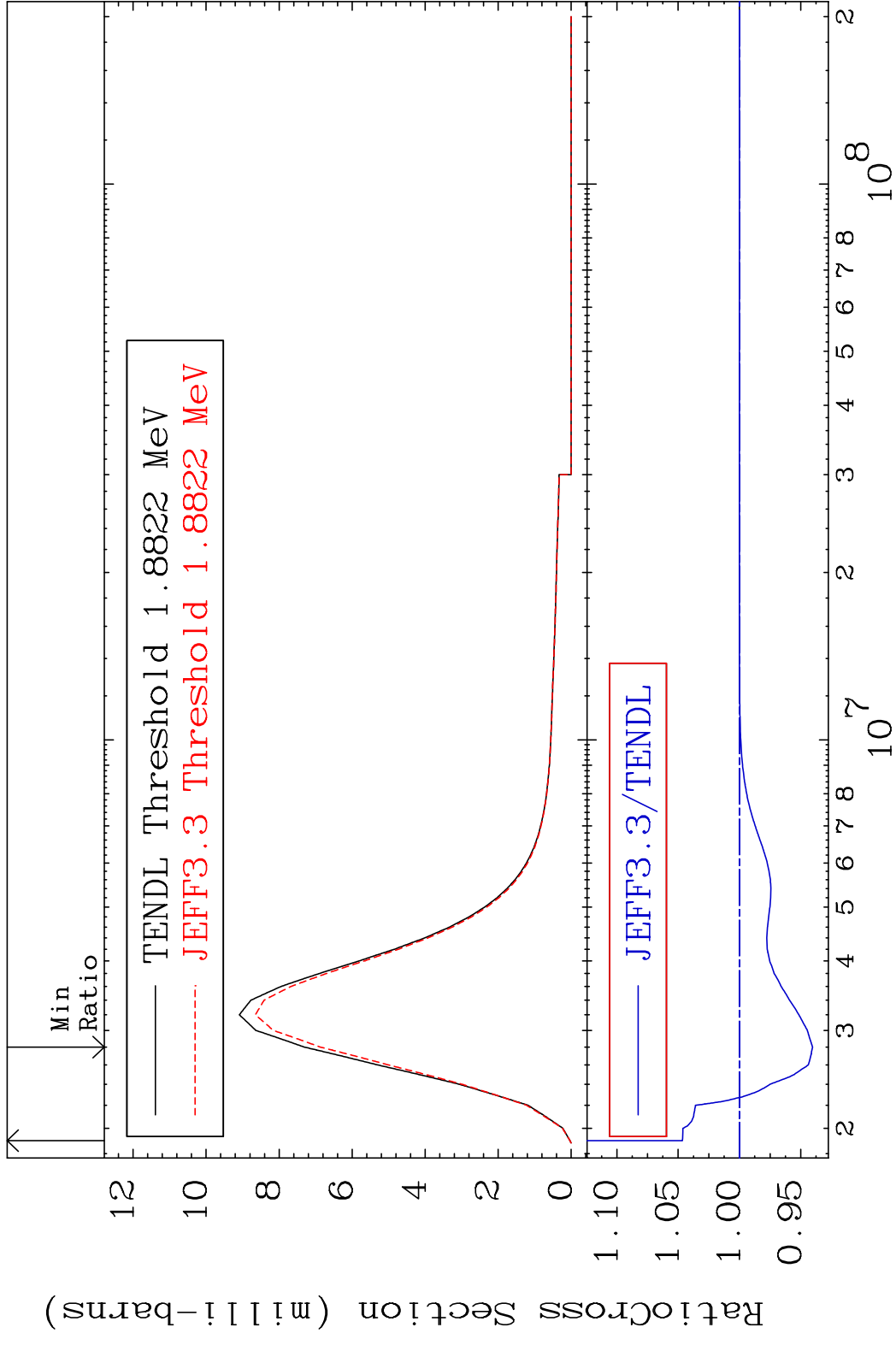
MAT 5431 MT= 58 (n,n') Level 54-Xe-126
 Cross Section -7.779 To 1.712 %



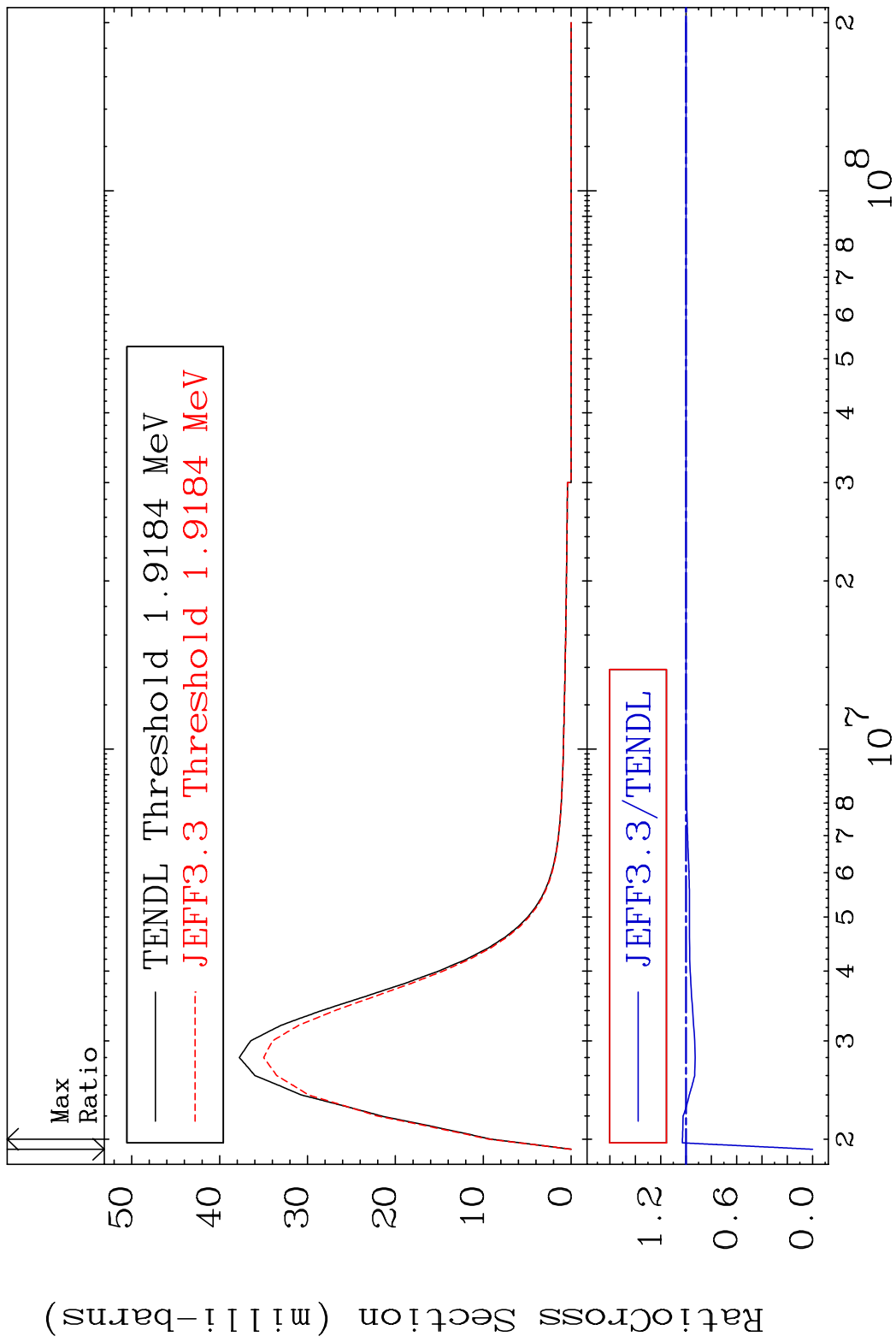
MAT 5431 MT= 59 (n, n') Level 54-Xe-126
 Cross Section -19.16 To 1.425 %



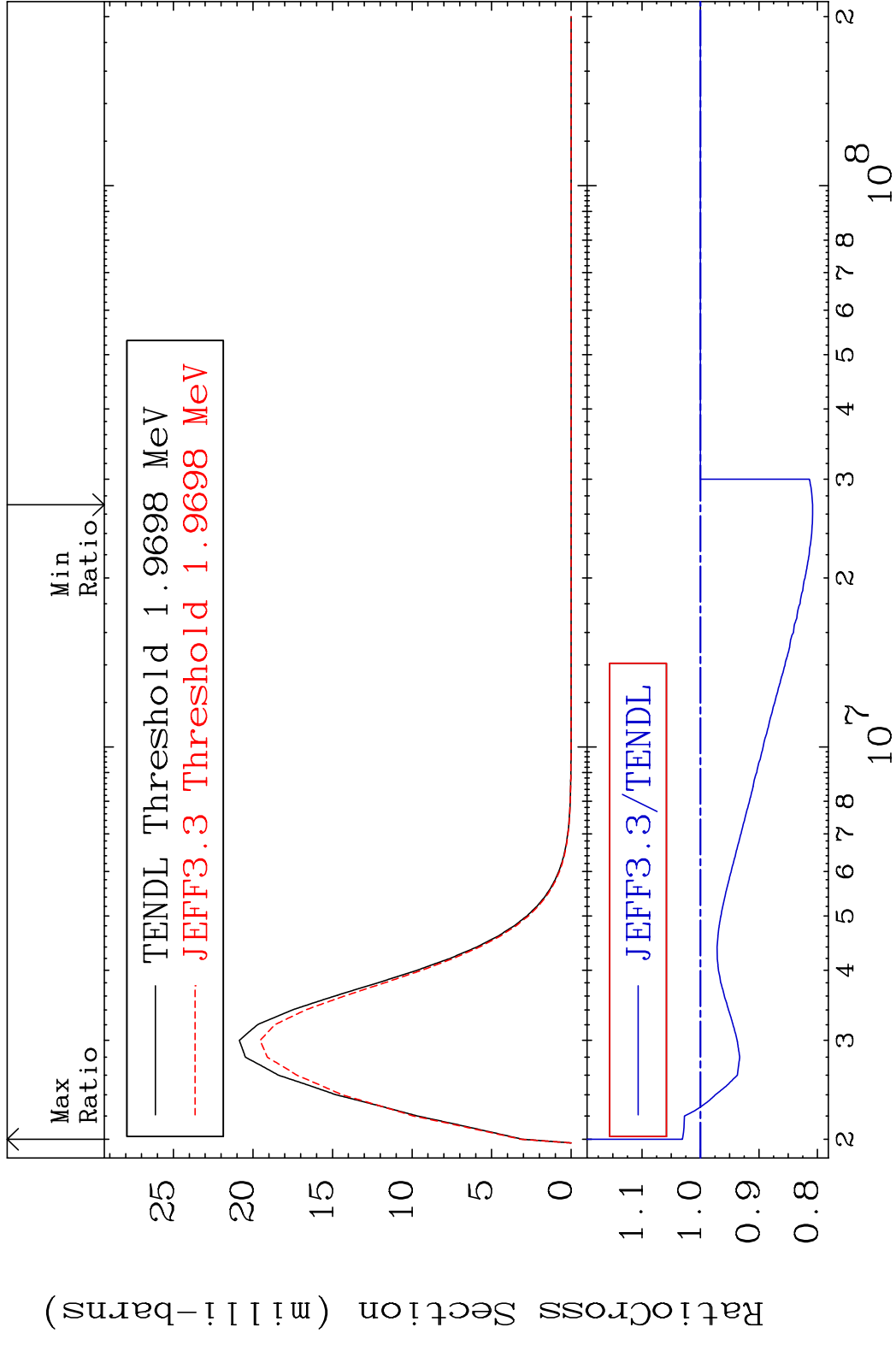
MAT 5431 MT= 60 (n,n') Level 54-Xe-126
 Cross Section -5.964 To 4.658 %



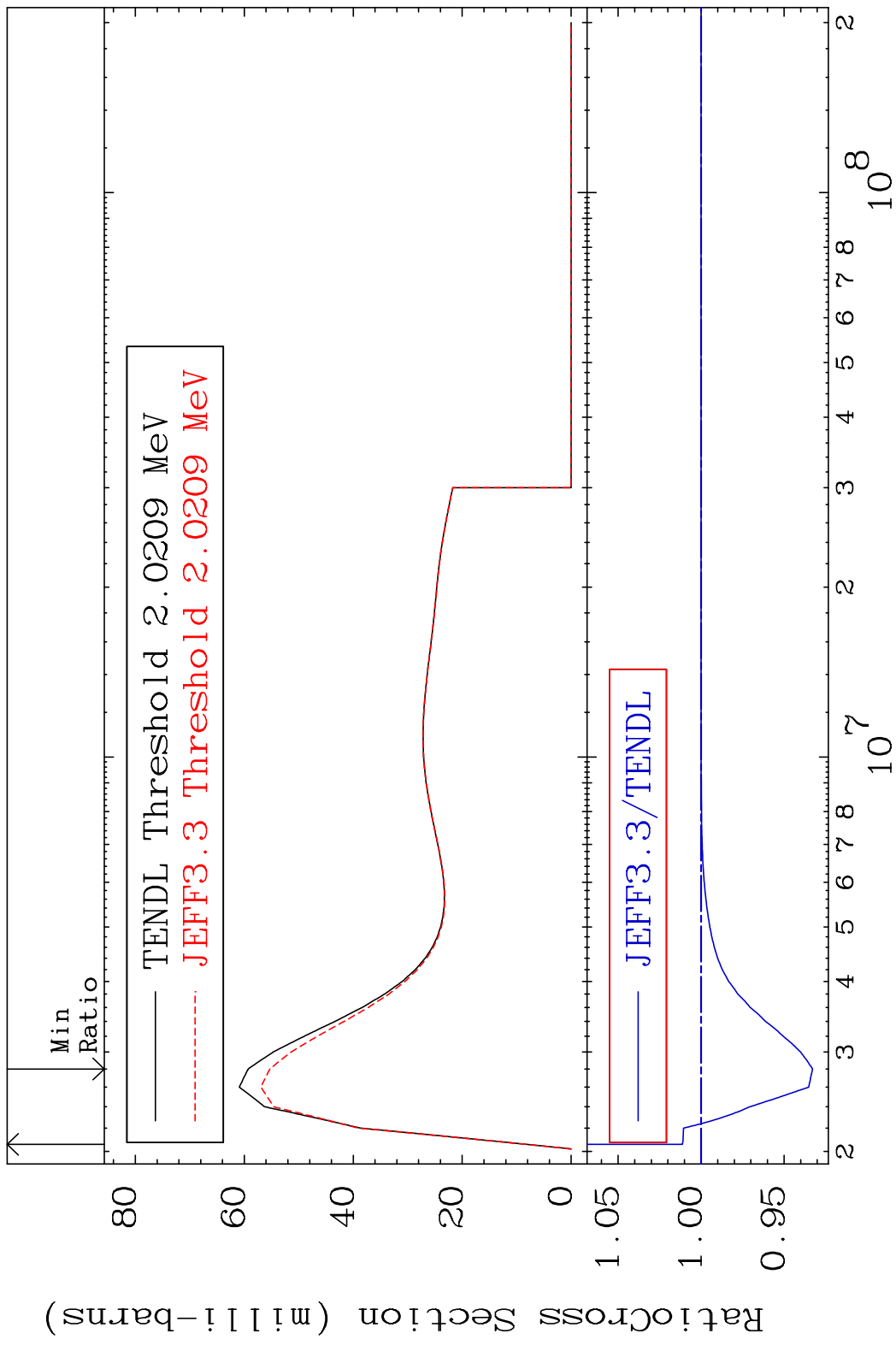
MAT 5431 MT= 61 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 2.837 %



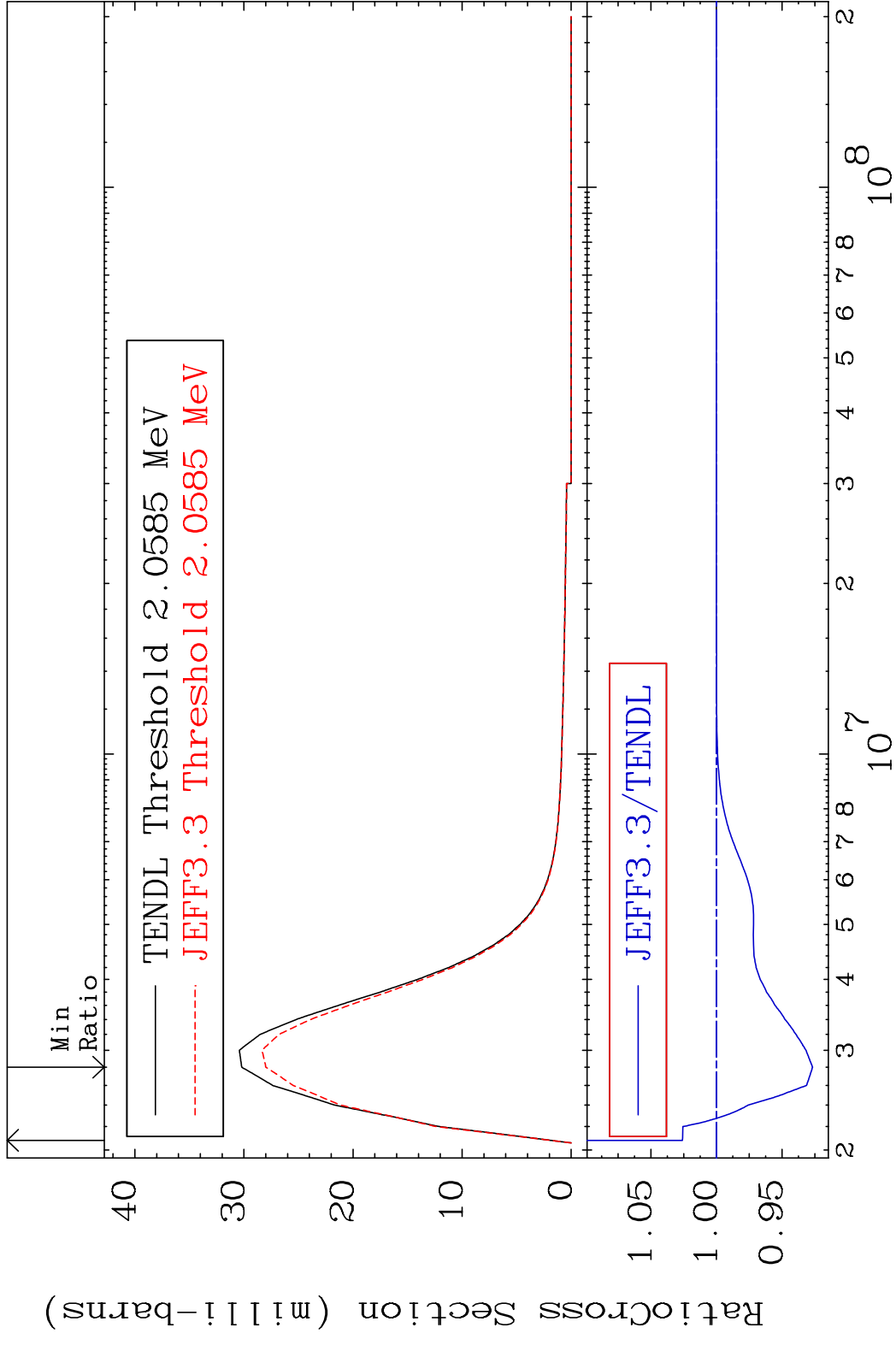
MAT 5431 MT= 62 (n, n') Level 54-Xe-126
 Cross Section -19.18 To 3.102 %



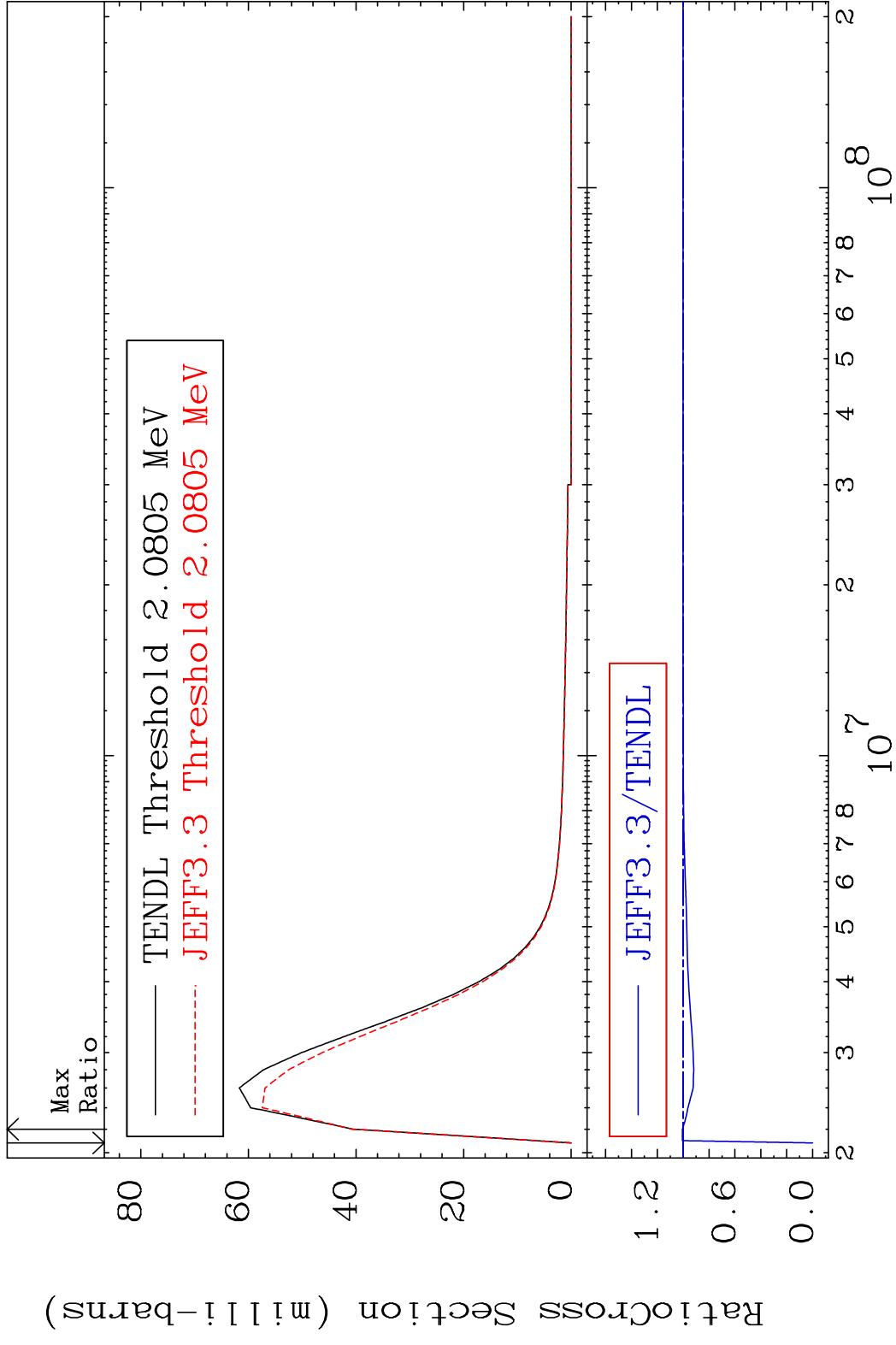
MAT 5431 MT= 63 (n, n') Level 54-Xe-126
 Cross Section -6.717 To 1.129 %



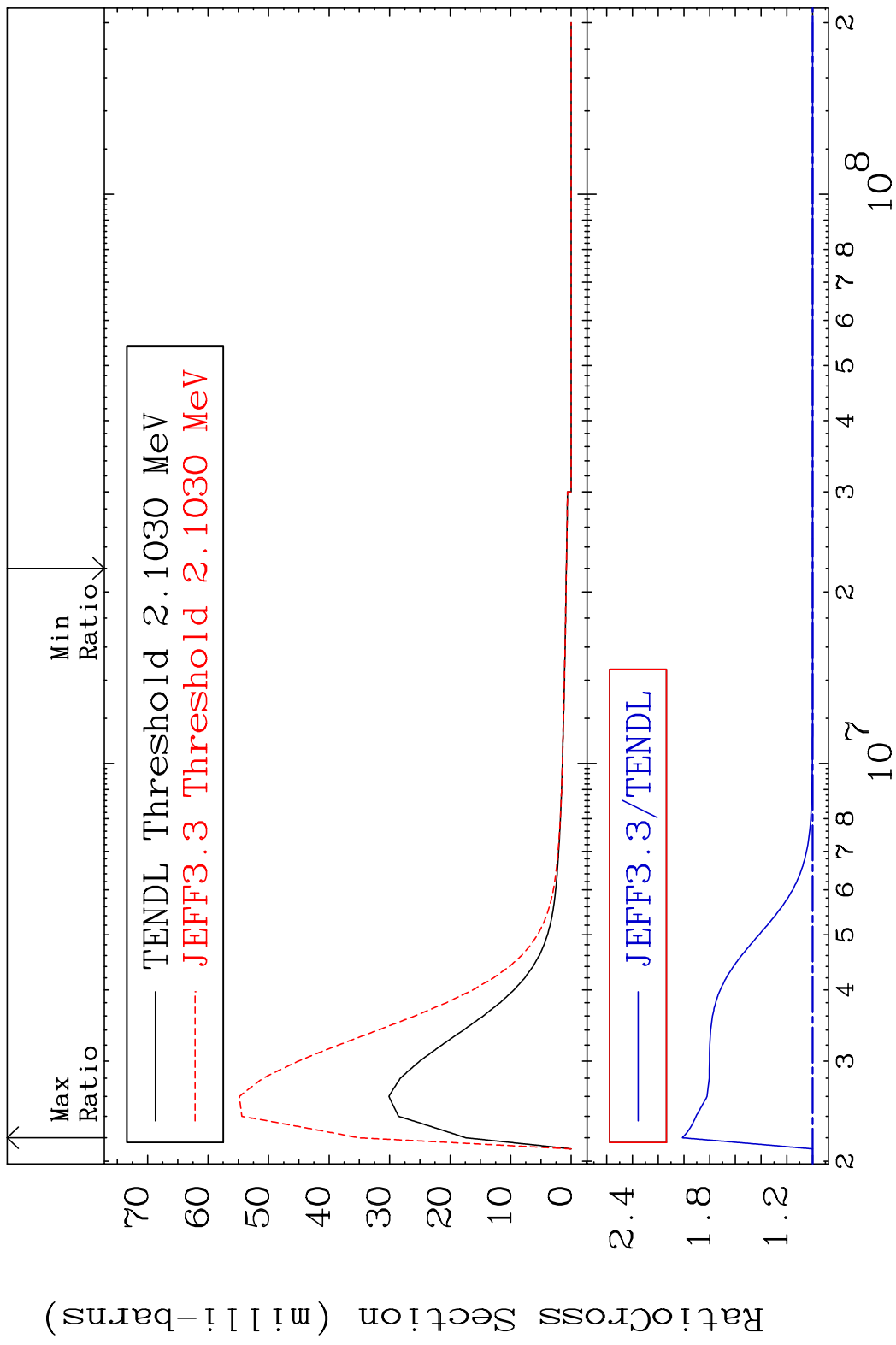
MAT 5431 MT= 64 (n,n') Level 54-Xe-126
 Cross Section -7.328 To 2.602 %



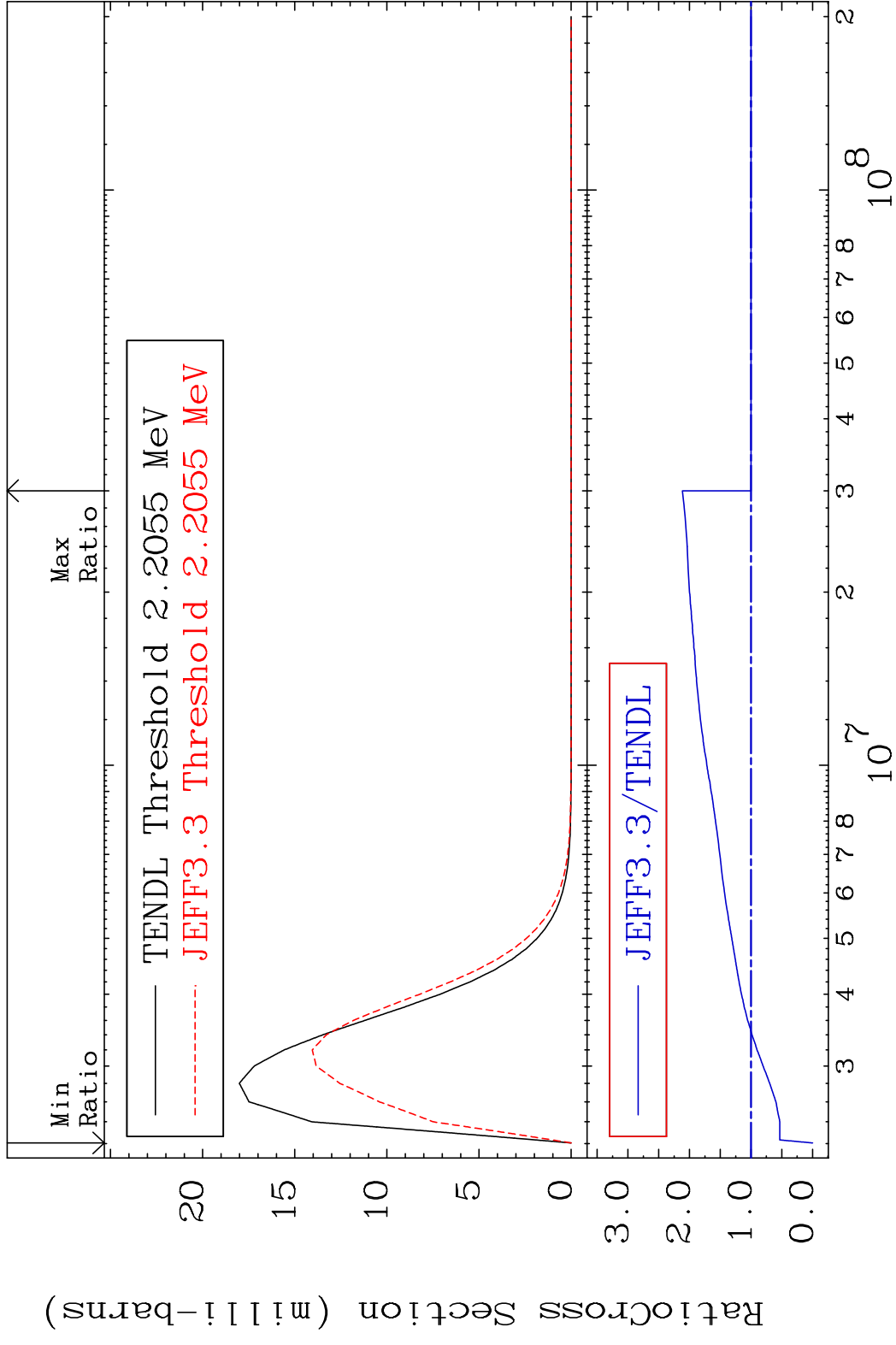
MAT 5431 MT= 65 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 0.641 %



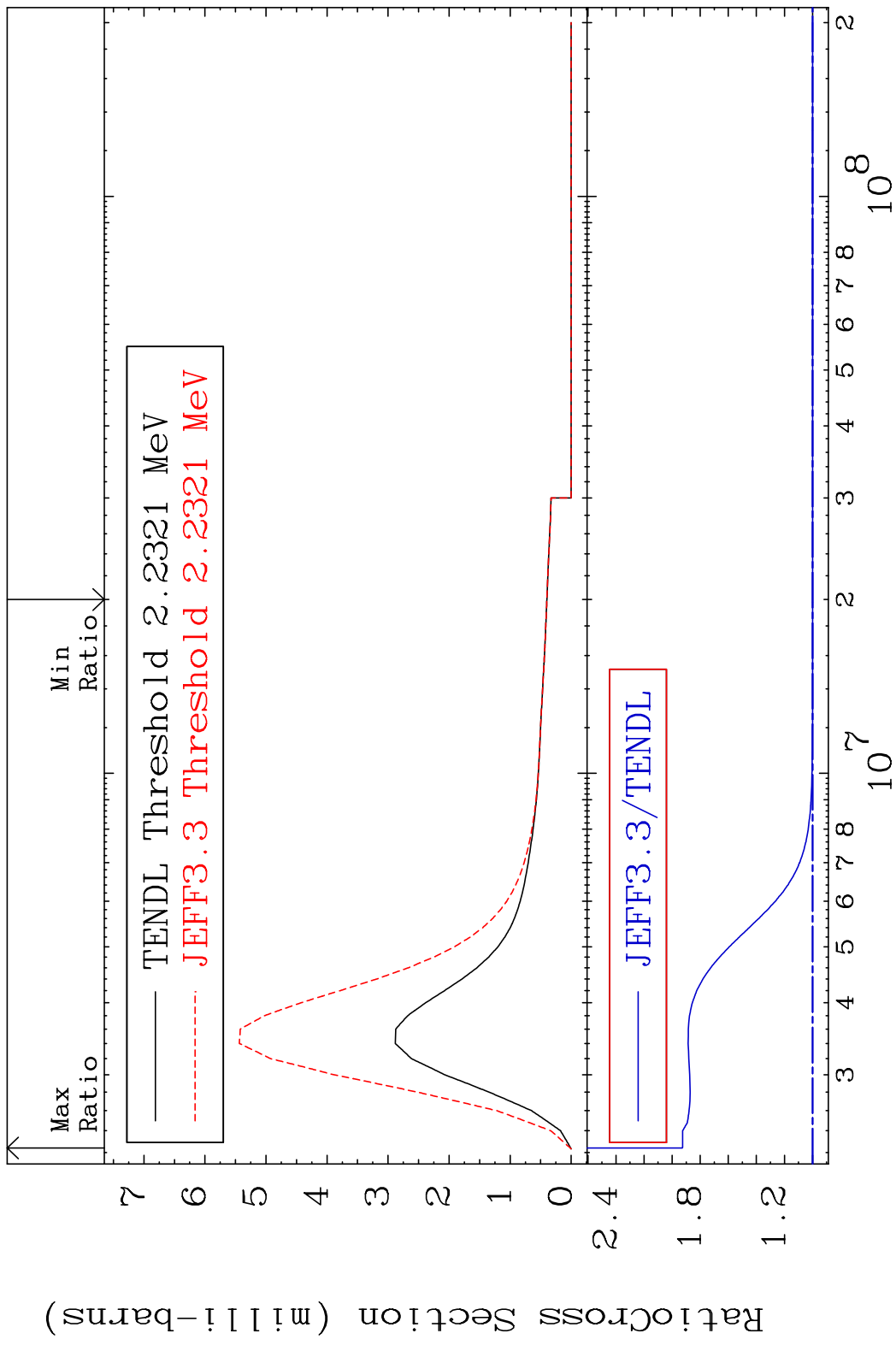
MAT 5431 MT= 66 (n, n') Level 54-Xe-126
 Cross Section 0.000 To 101.2 %



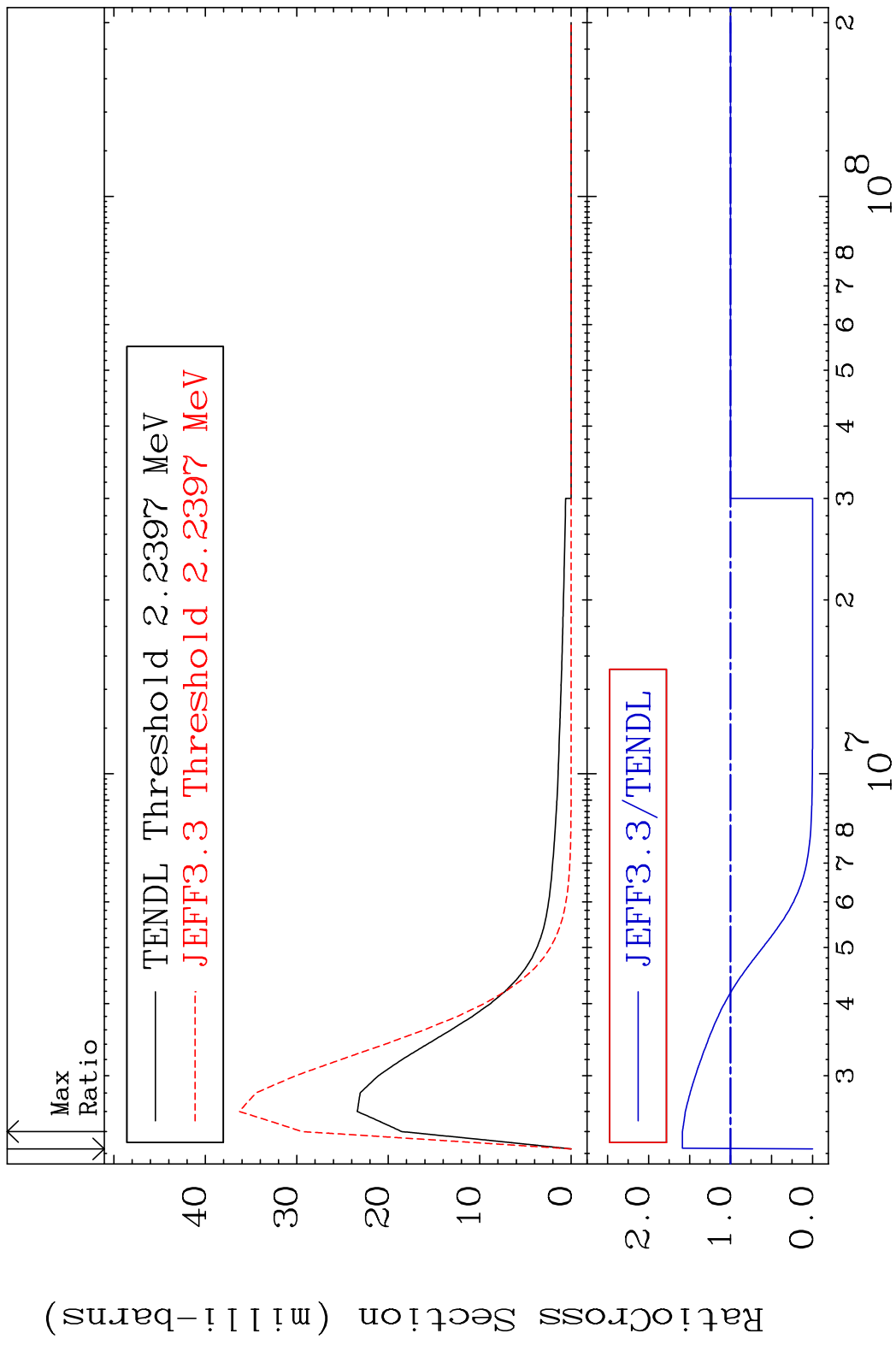
MAT 5431 MT= 67 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 111.6 %



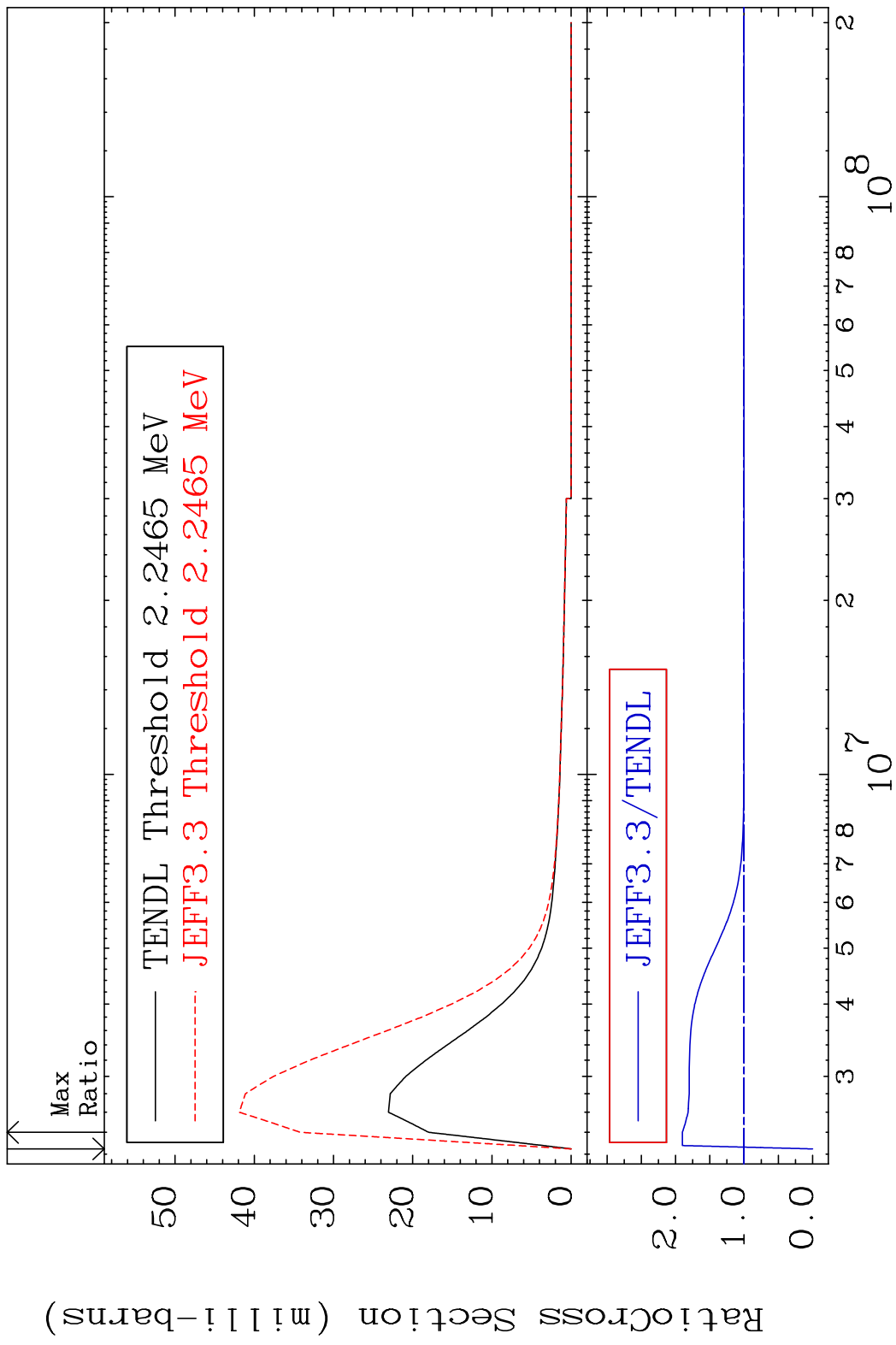
MAT 5431 MT= 68 (n, n') Level 54-Xe-126
 Cross Section 0.000 To 92.72 %



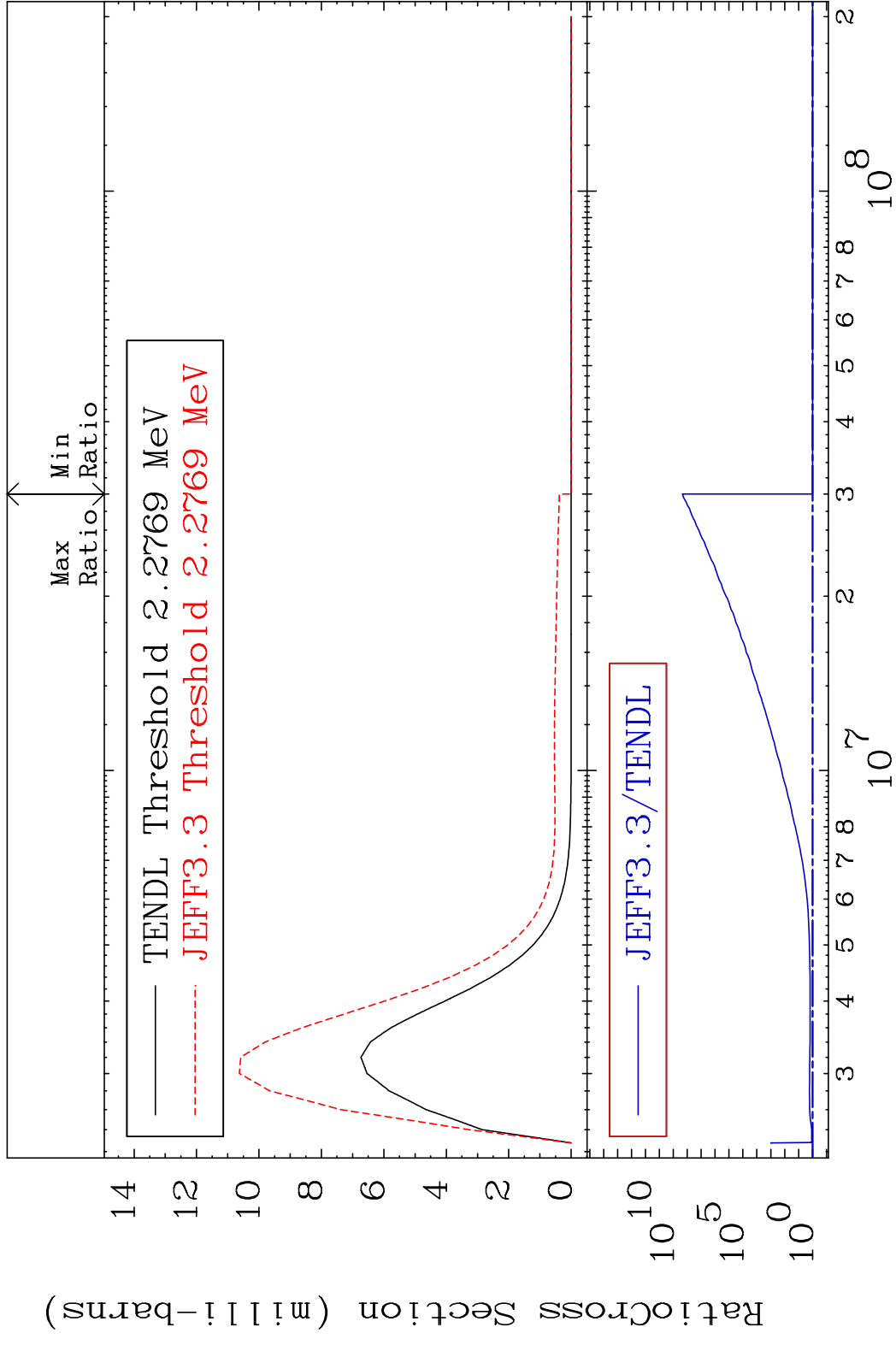
MAT 5431 MT= 69 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 58.84 %



MAT 5431 MT= 70 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 90.10 %

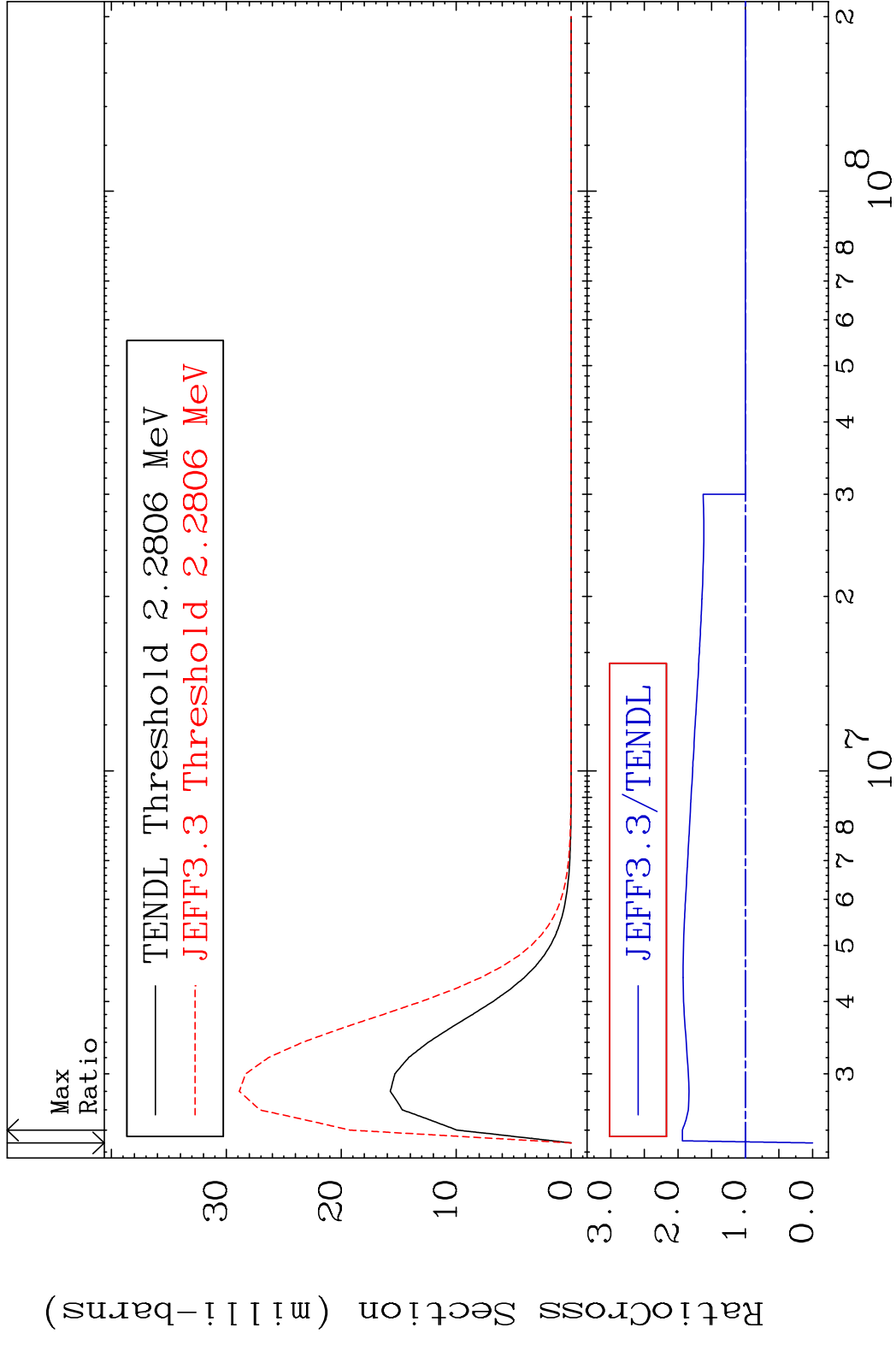


MAT 5431 MT= 71 (n, n') Level 54-Xe-126
 Cross Section 0.000 To 9999. %

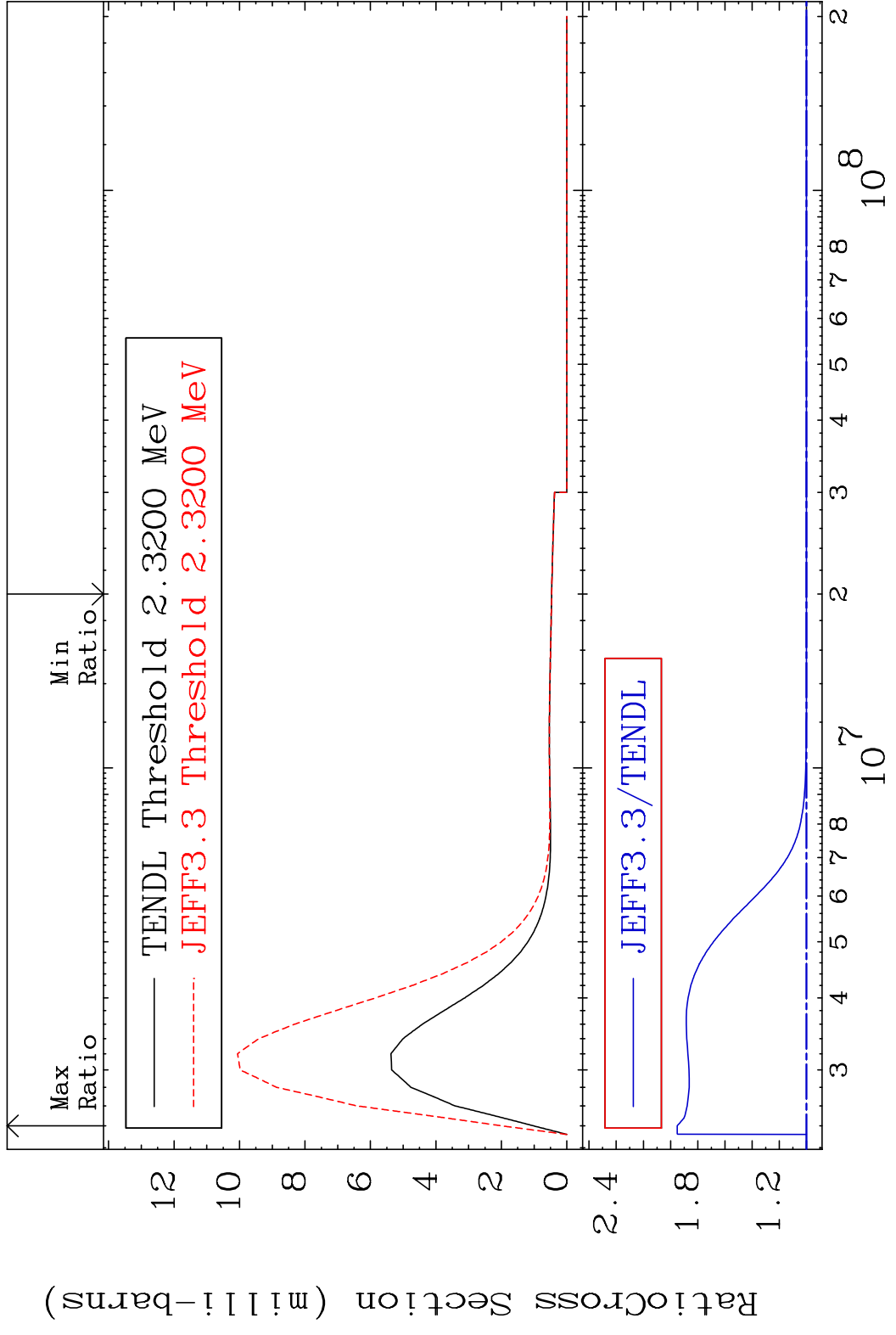


40 Incident Energy (eV) 54-Xe-126

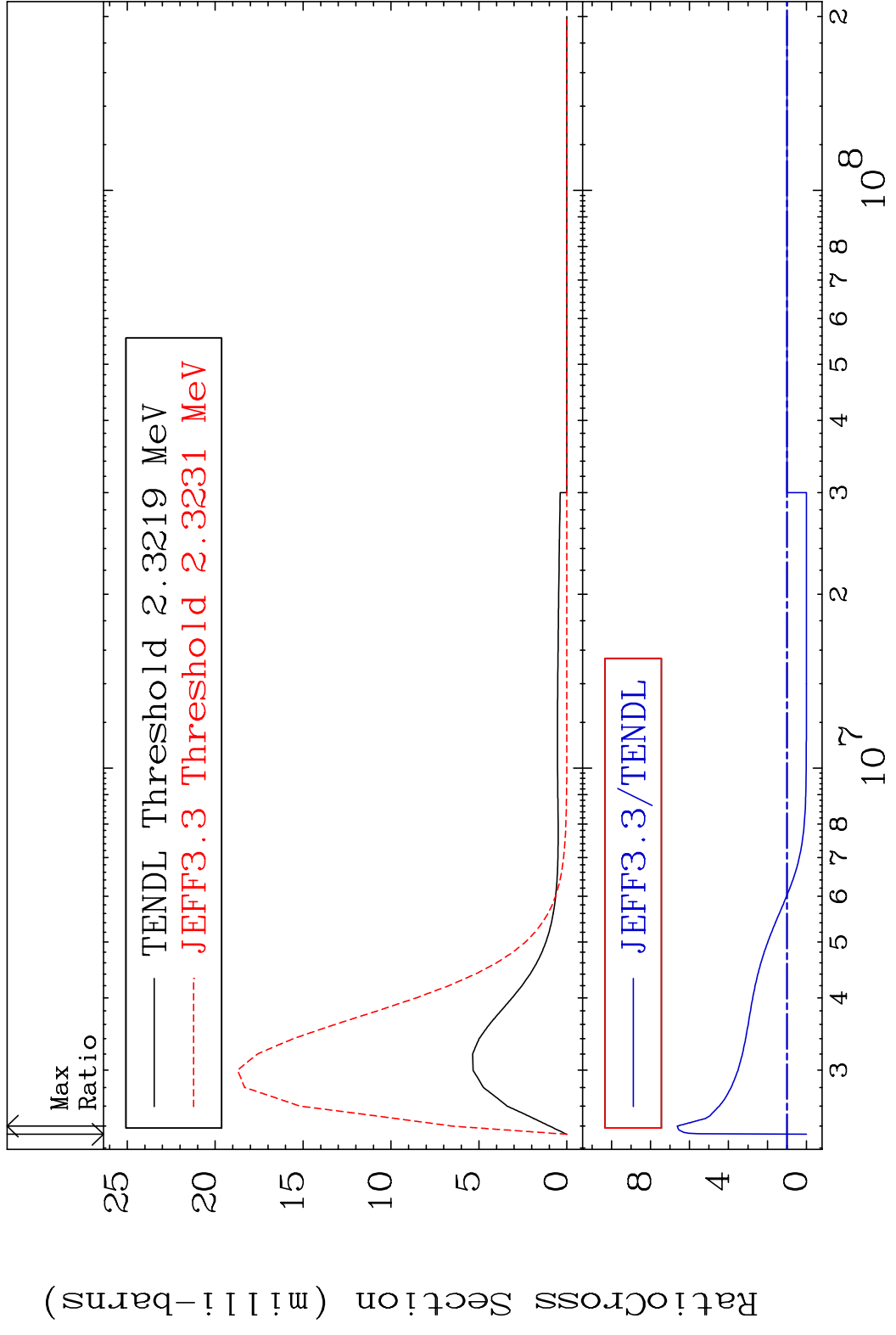
MAT 5431 MT= 72 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 93.51 %



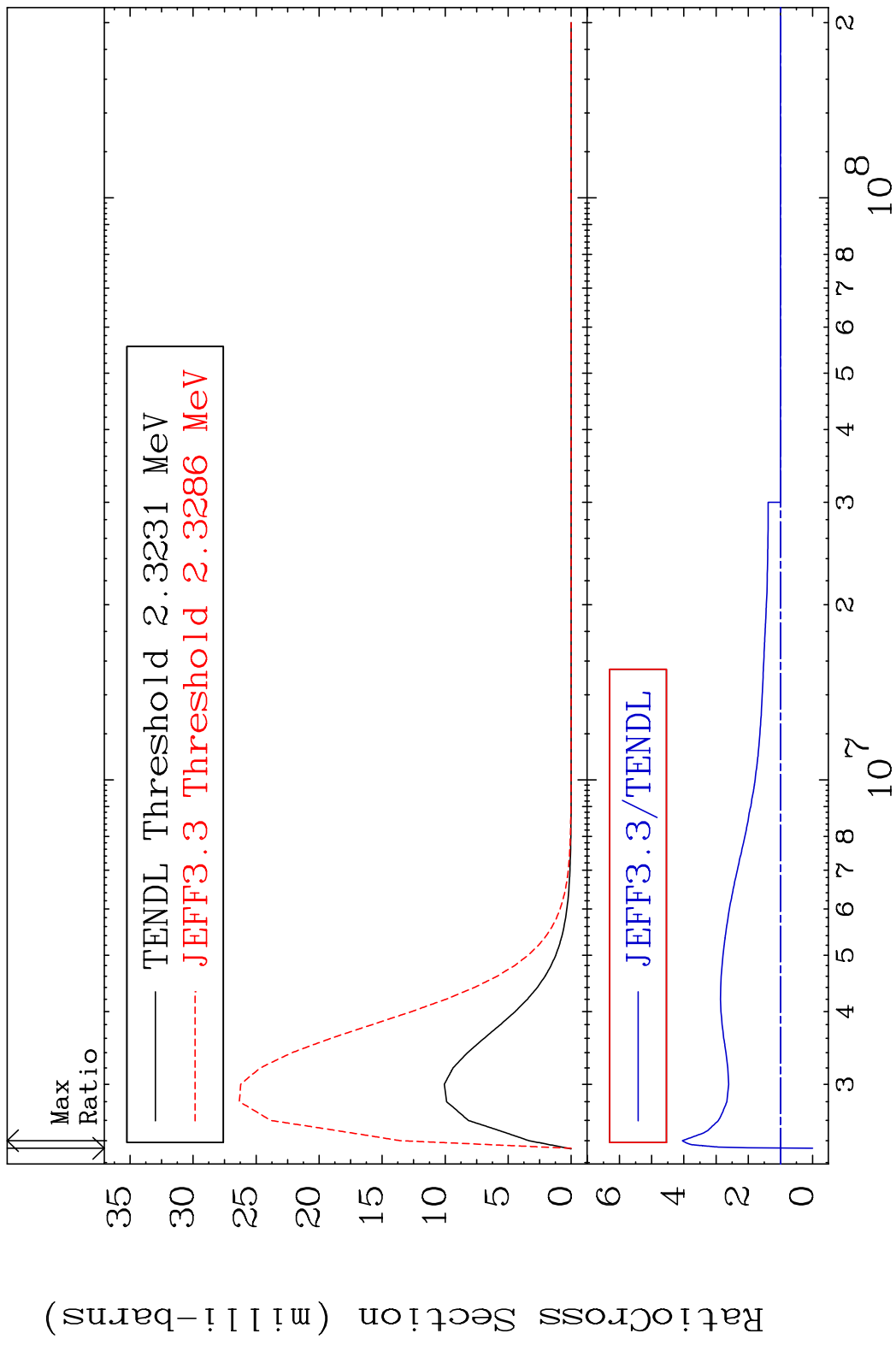
MAT 5431 MT= 73 (n, n') Level 54-Xe-126
 Cross Section 0.000 To 95.12 %



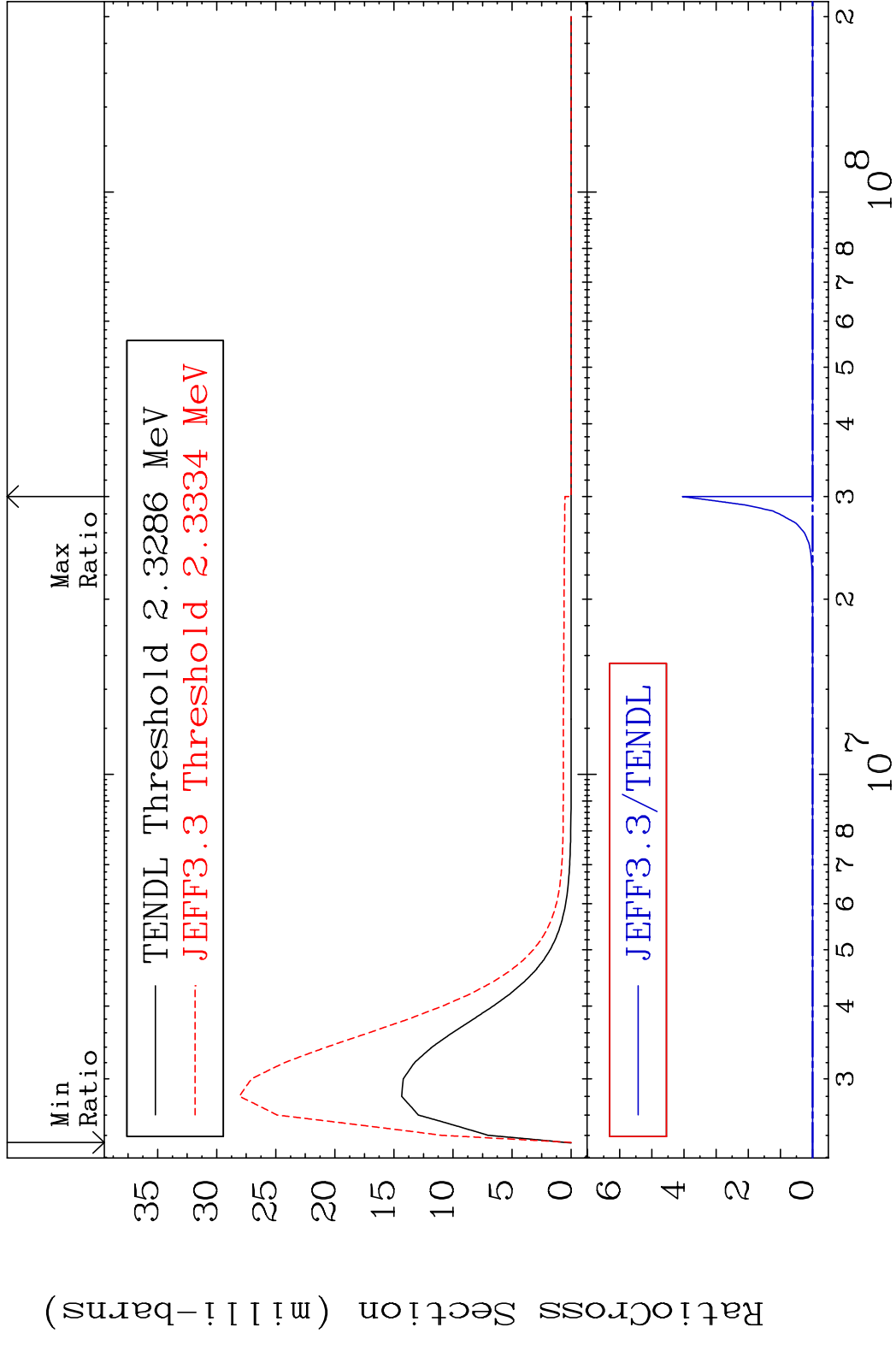
MAT 5431 MT= 74 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 563.2 %



MAT 5431 MT= 75 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 304.7 %



MAT 5431 MT= 76 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 9999. %

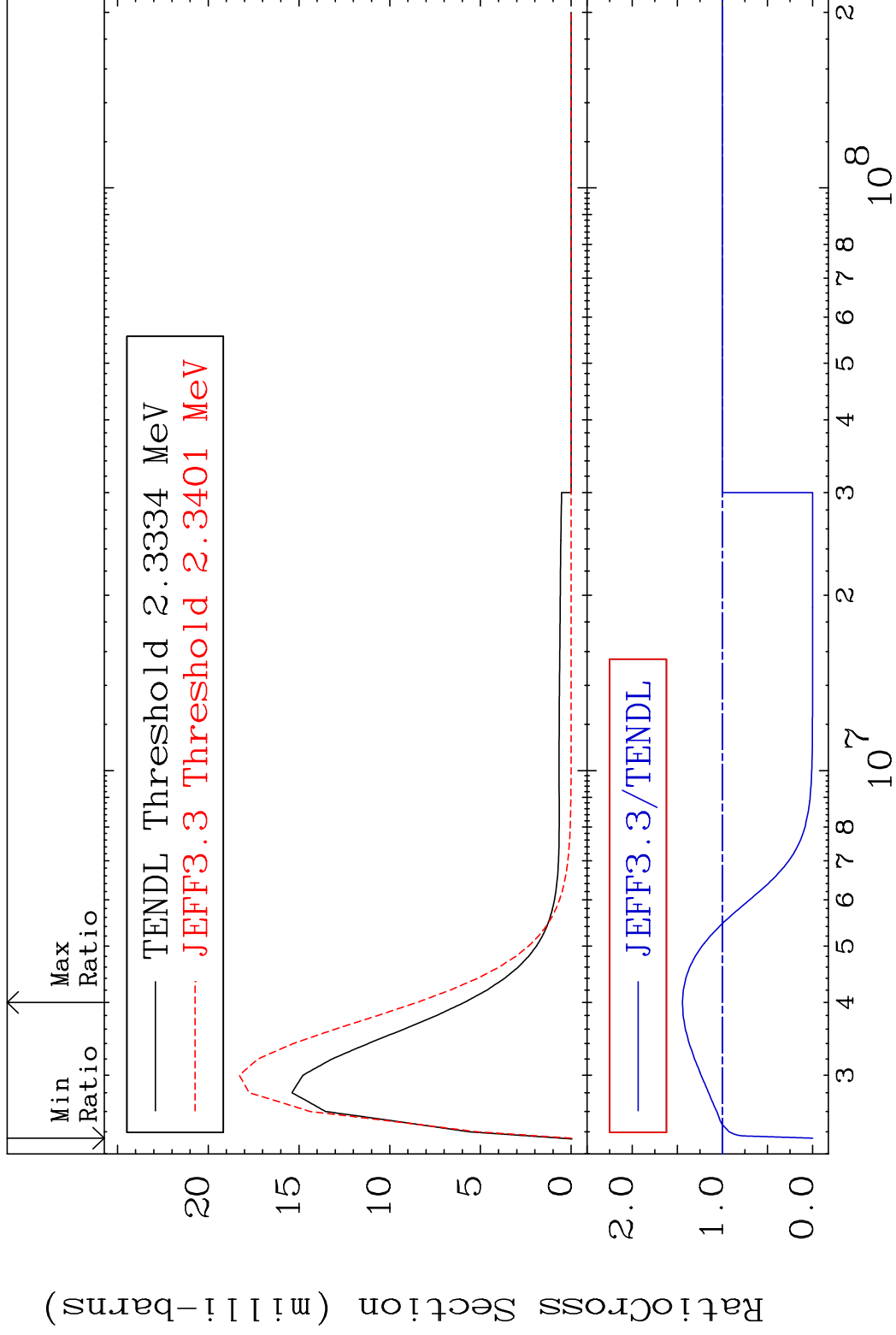


MAT 5431

MT= 77 (n, n') Level

54-Xe-126

Cross Section -100.0 To 44.42 %

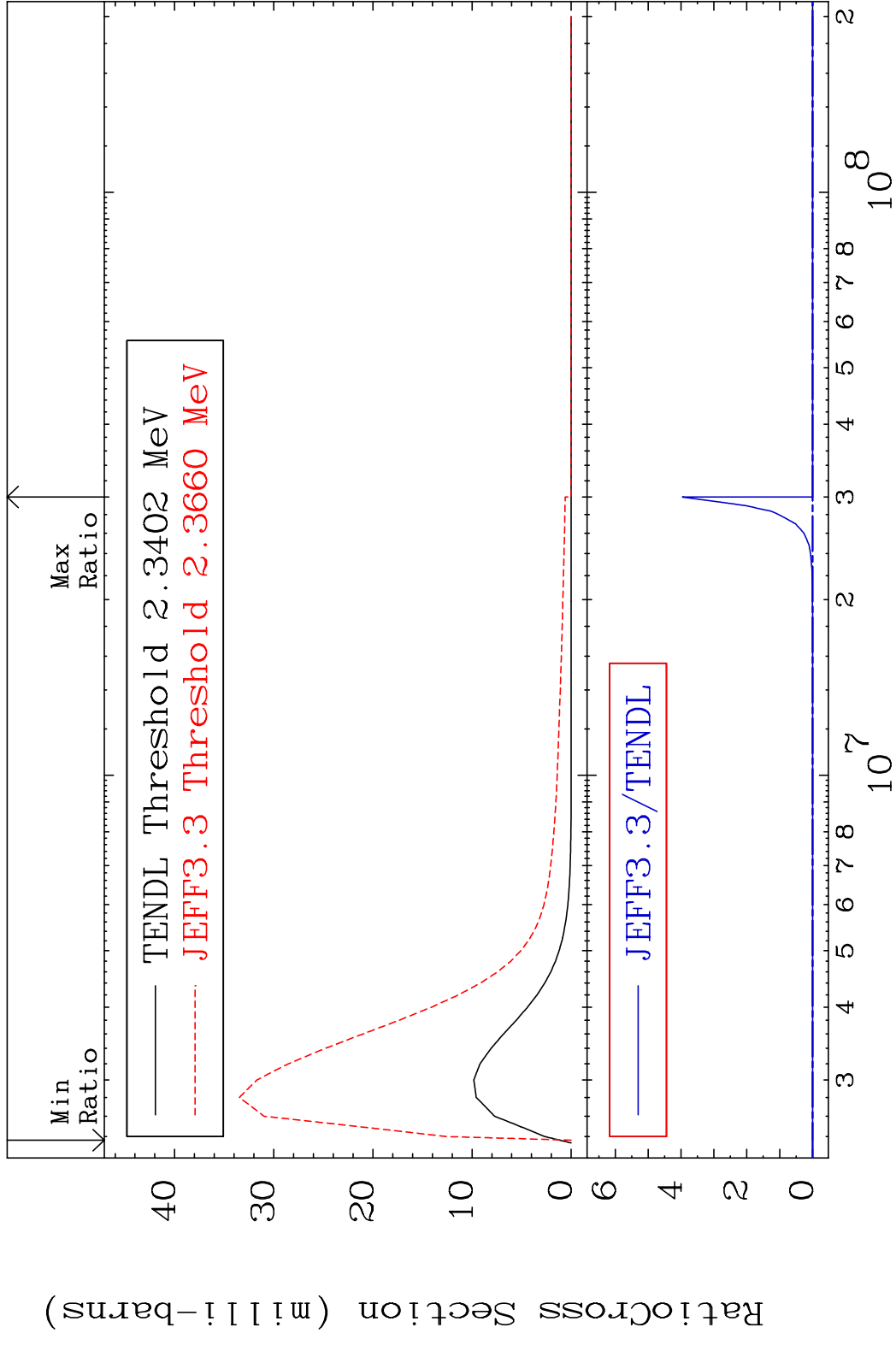


46

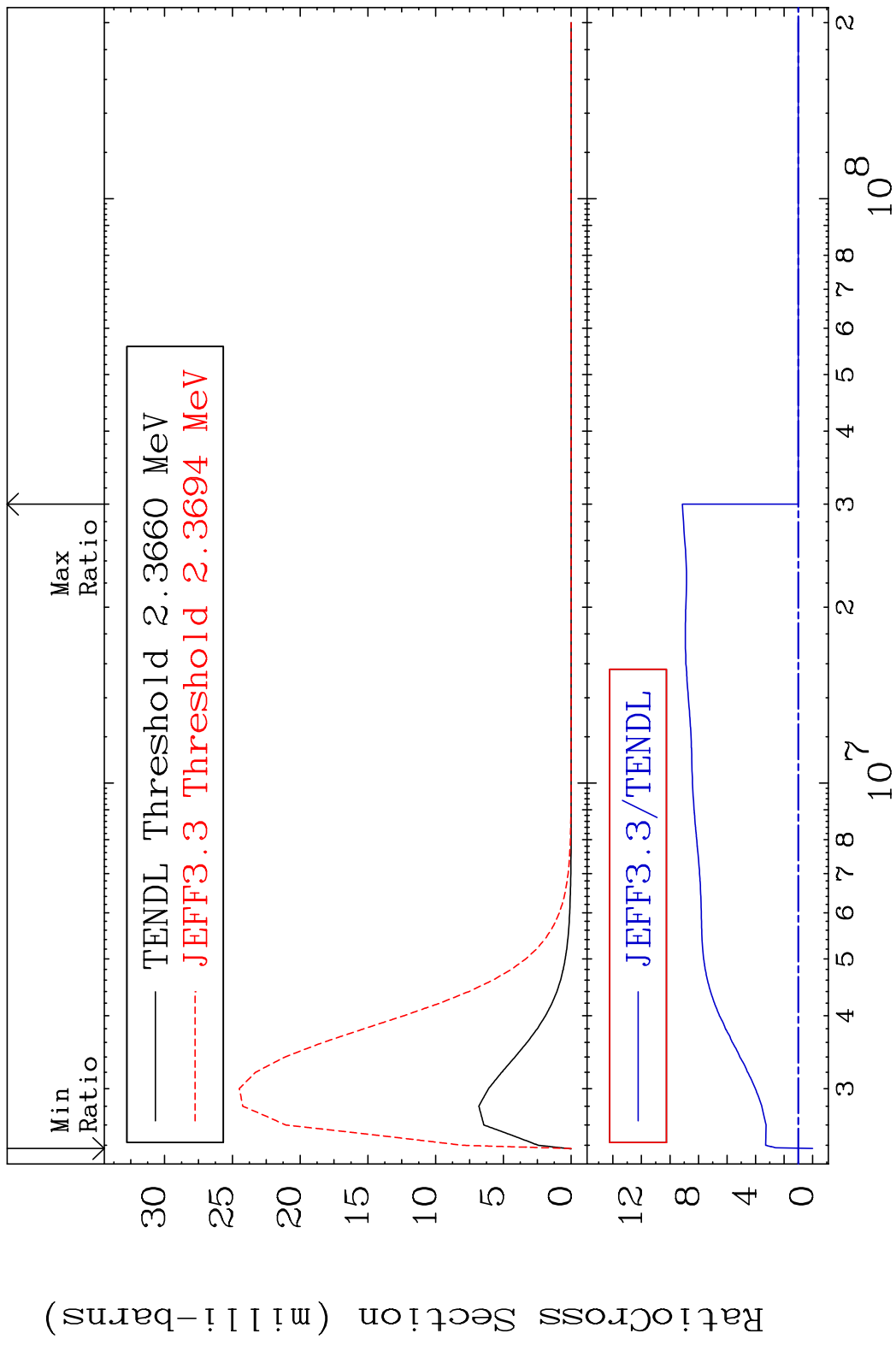
Incident Energy (eV)

54-Xe-126

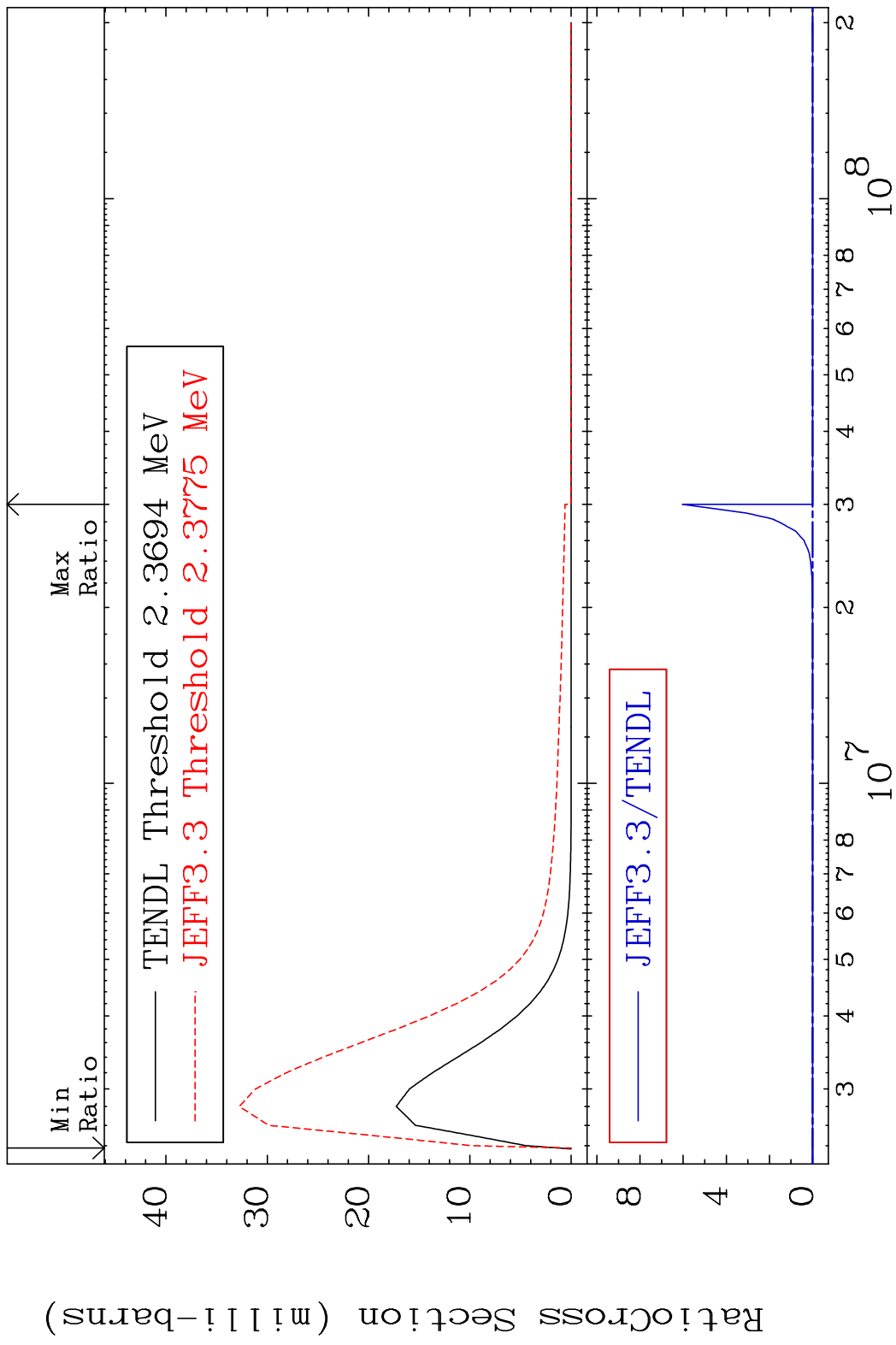
MAT 5431 MT= 78 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 9999. %



MAT 5431 MT= 79 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 813.1 %



MAT 5431 MT= 80 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 9999. %

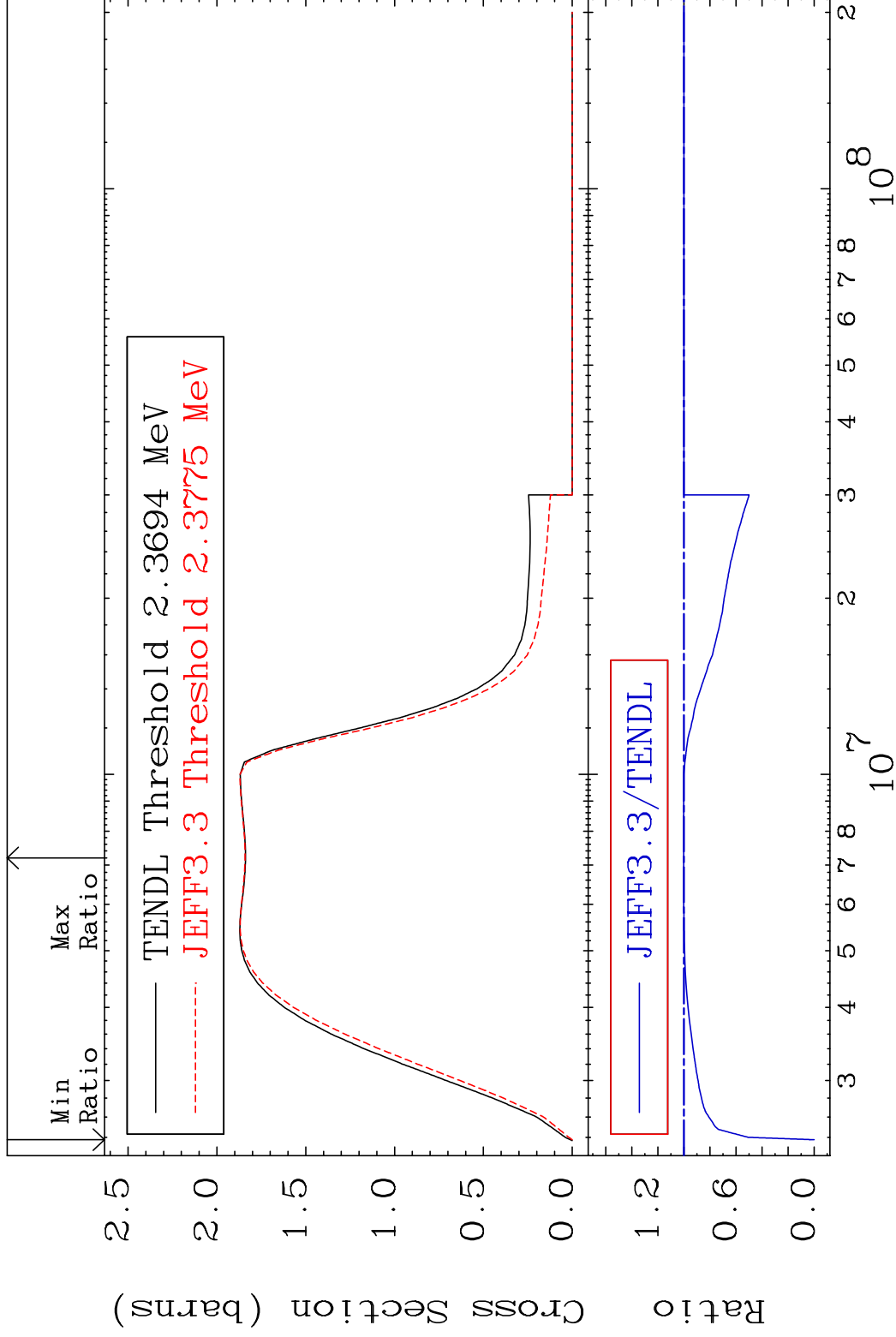


MAT 5431

(n, n') Continuum

54-Xe-126

Cross Section -100.0 To 0.145 %



50

Incident Energy (eV)

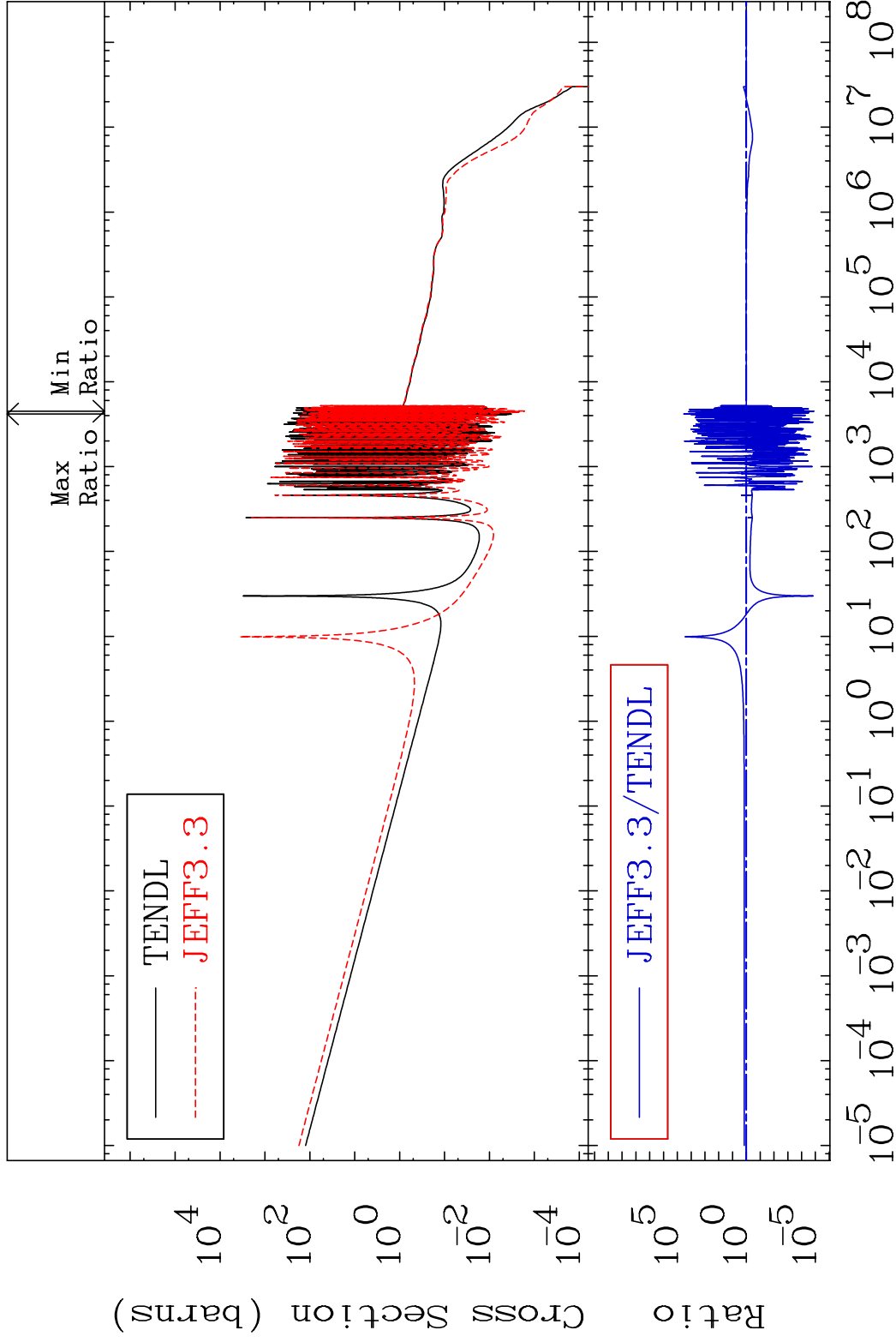
54-Xe-126

MAT 5431

(n, γ)

54-Xe-126

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

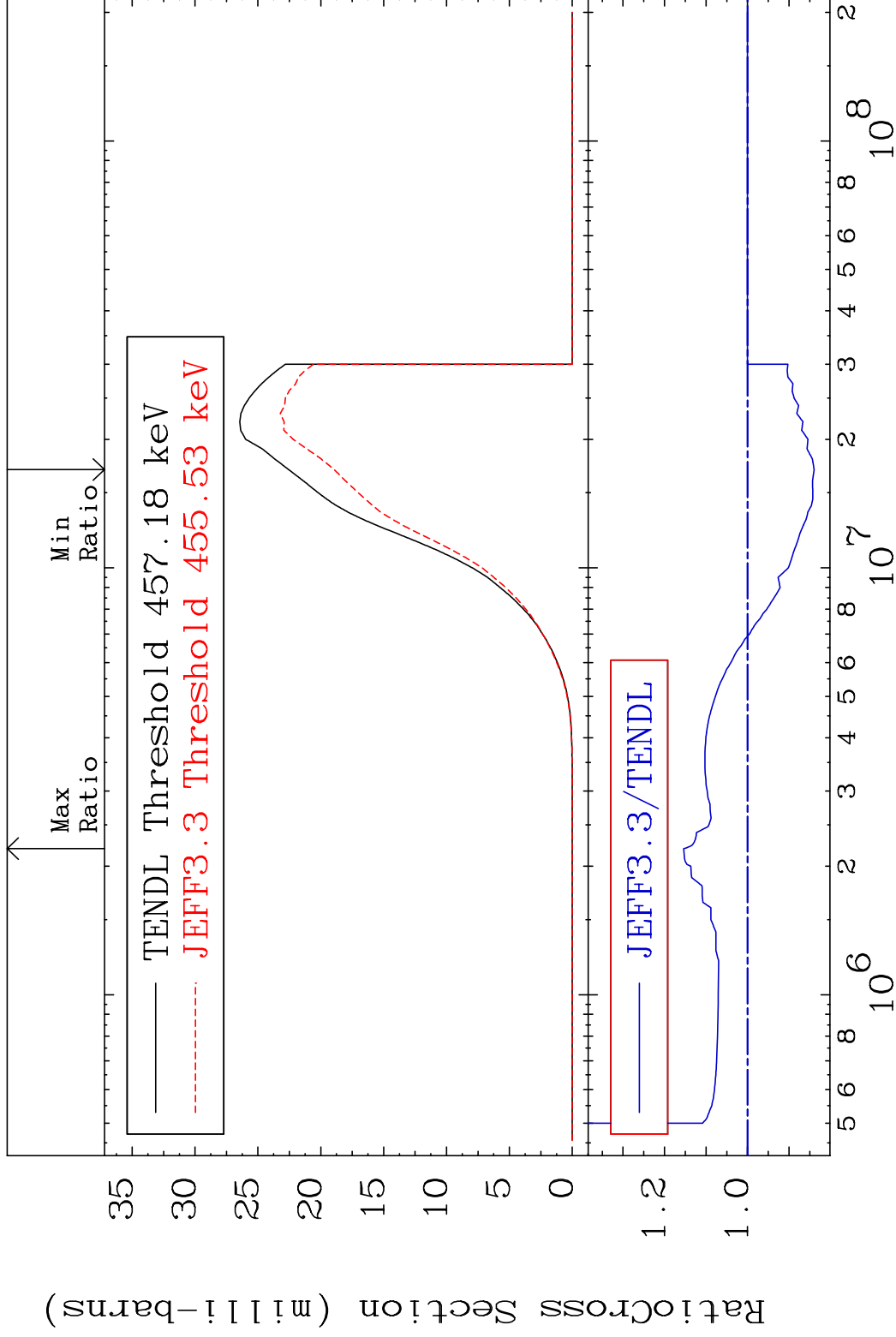
54-Xe-126

MAT 5431

(n, p)

54-Xe-126

Cross Section -16.04 To 15.39 %



52

Incident Energy (eV)

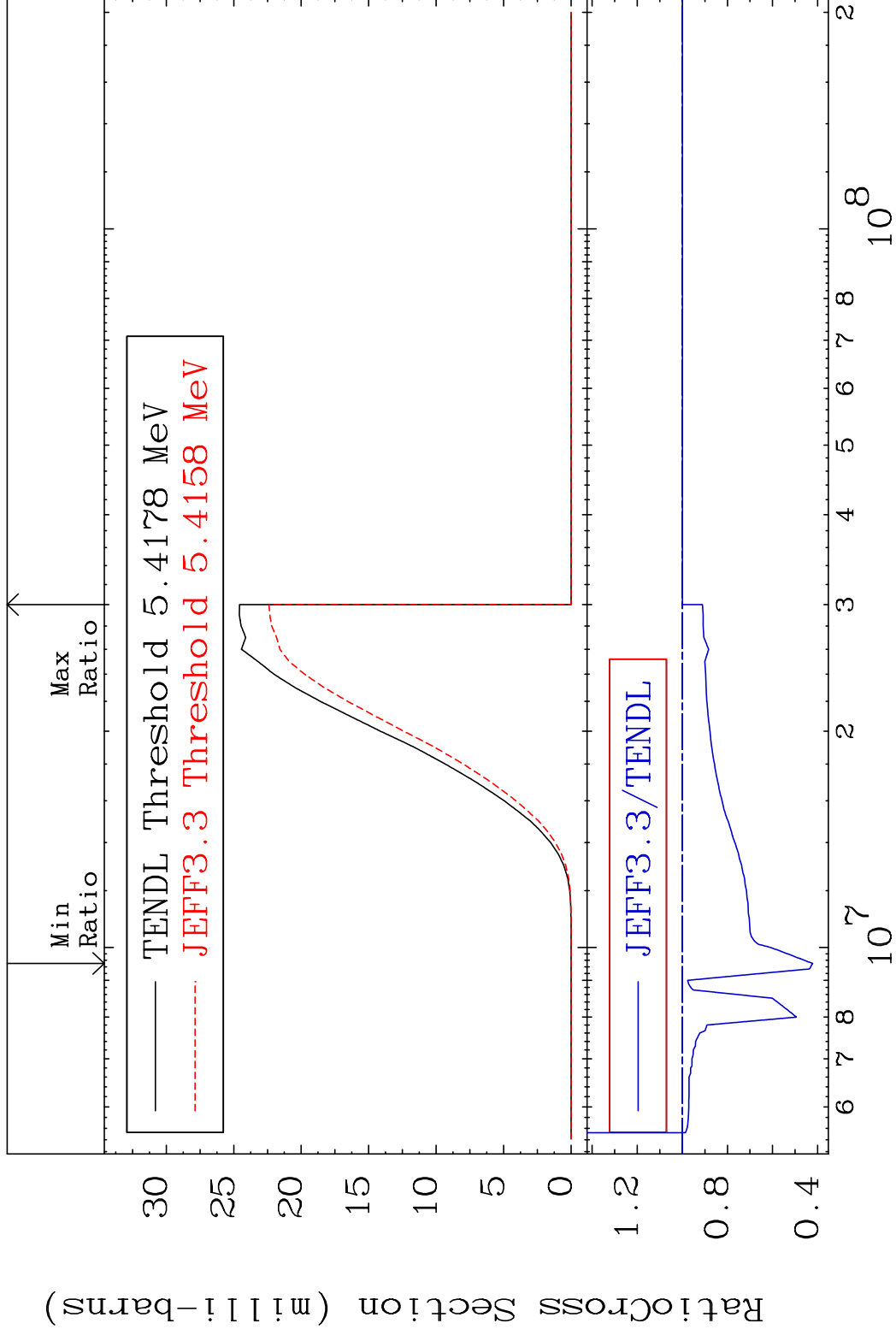
54-Xe-126

MAT 5431

(n, d)

54-Xe-126

Cross Section -57.75 To 0.000 %



53

Incident Energy (eV)

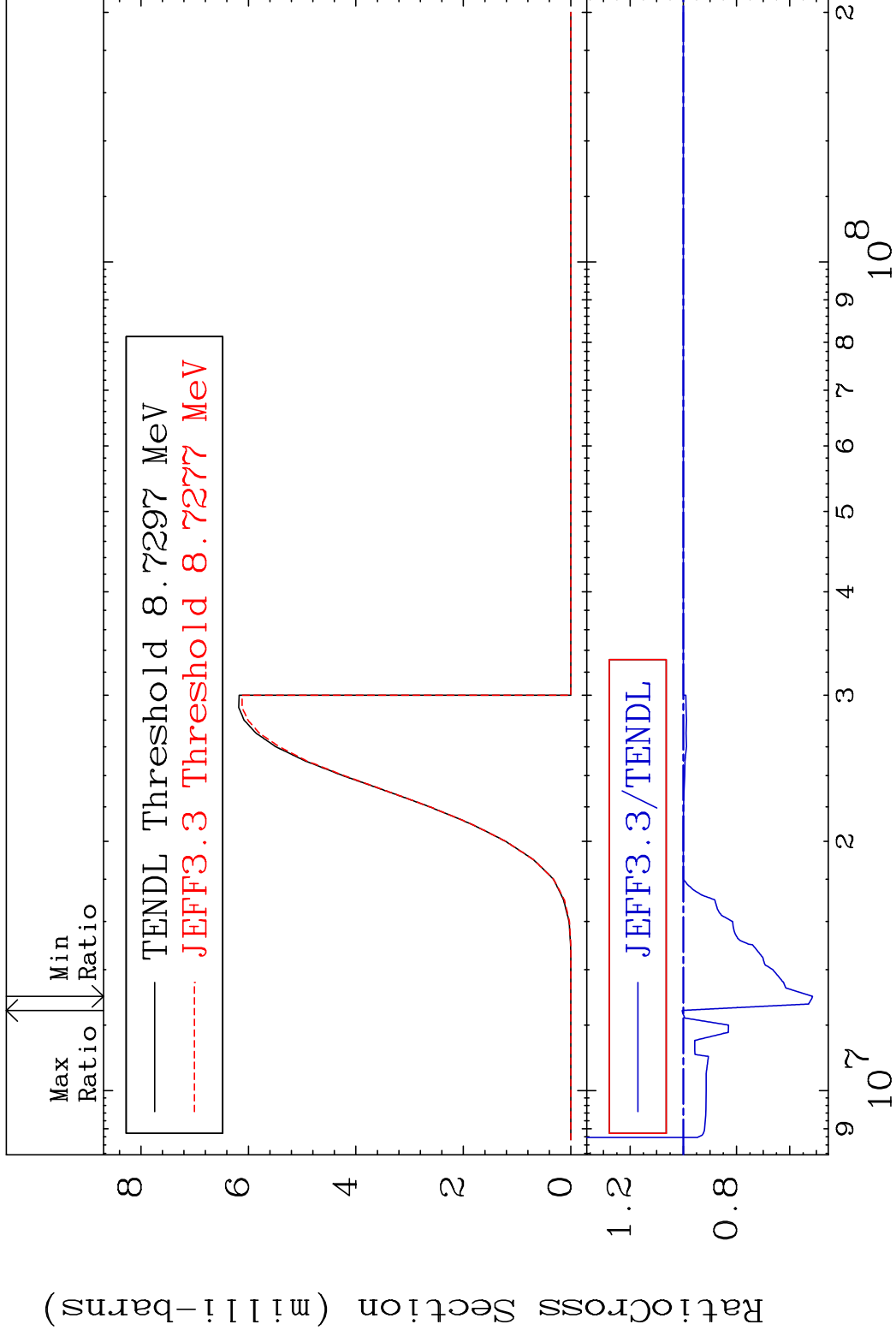
54-Xe-126

MAT 5431

(n, t)

54-Xe-126

Cross Section -48.52 To 0.447 %



54

Incident Energy (eV)

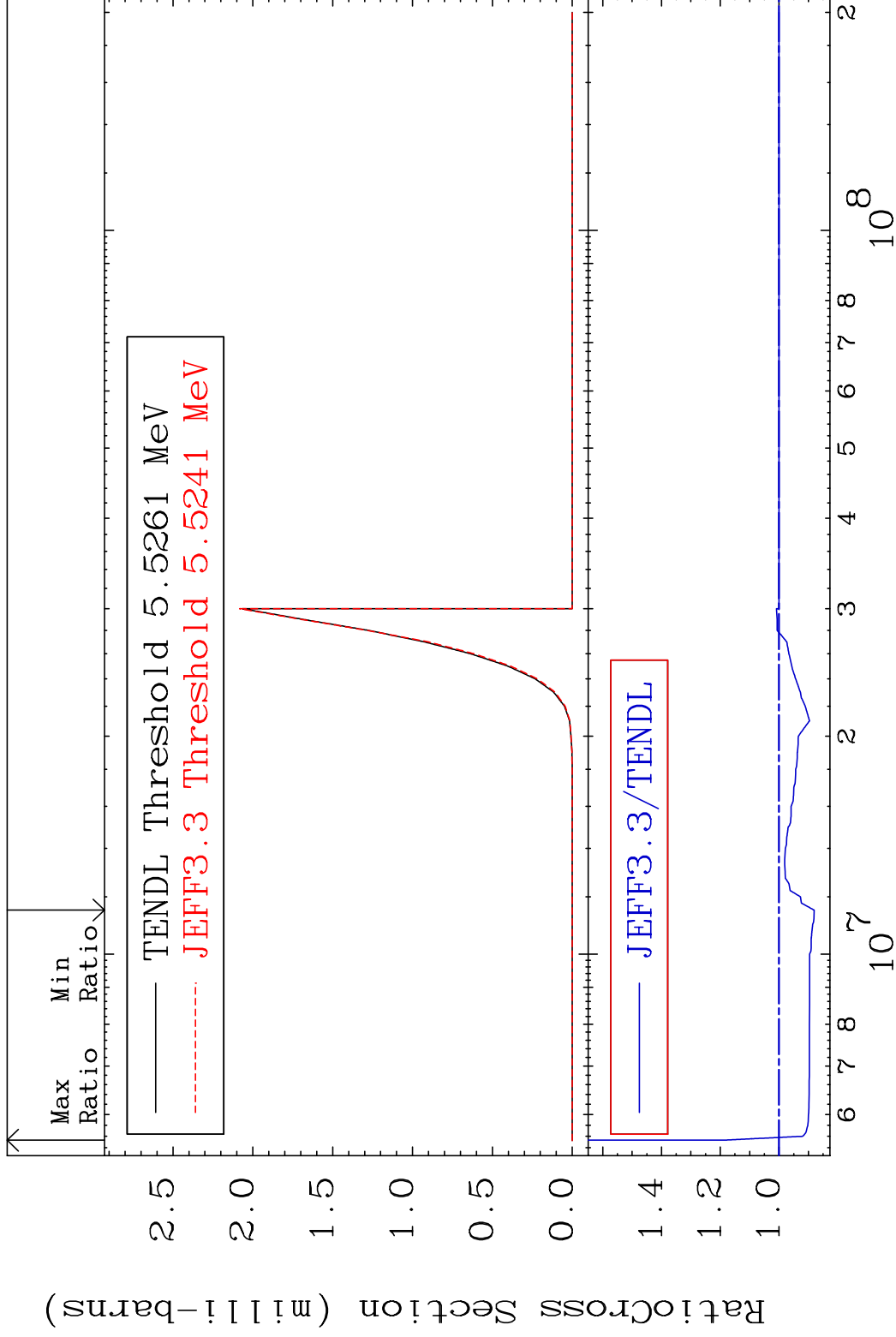
54-Xe-126

MAT 5431

(n, He-3)

54-Xe-126

Cross Section -11.94 To 32.46 %



55

Incident Energy (eV)

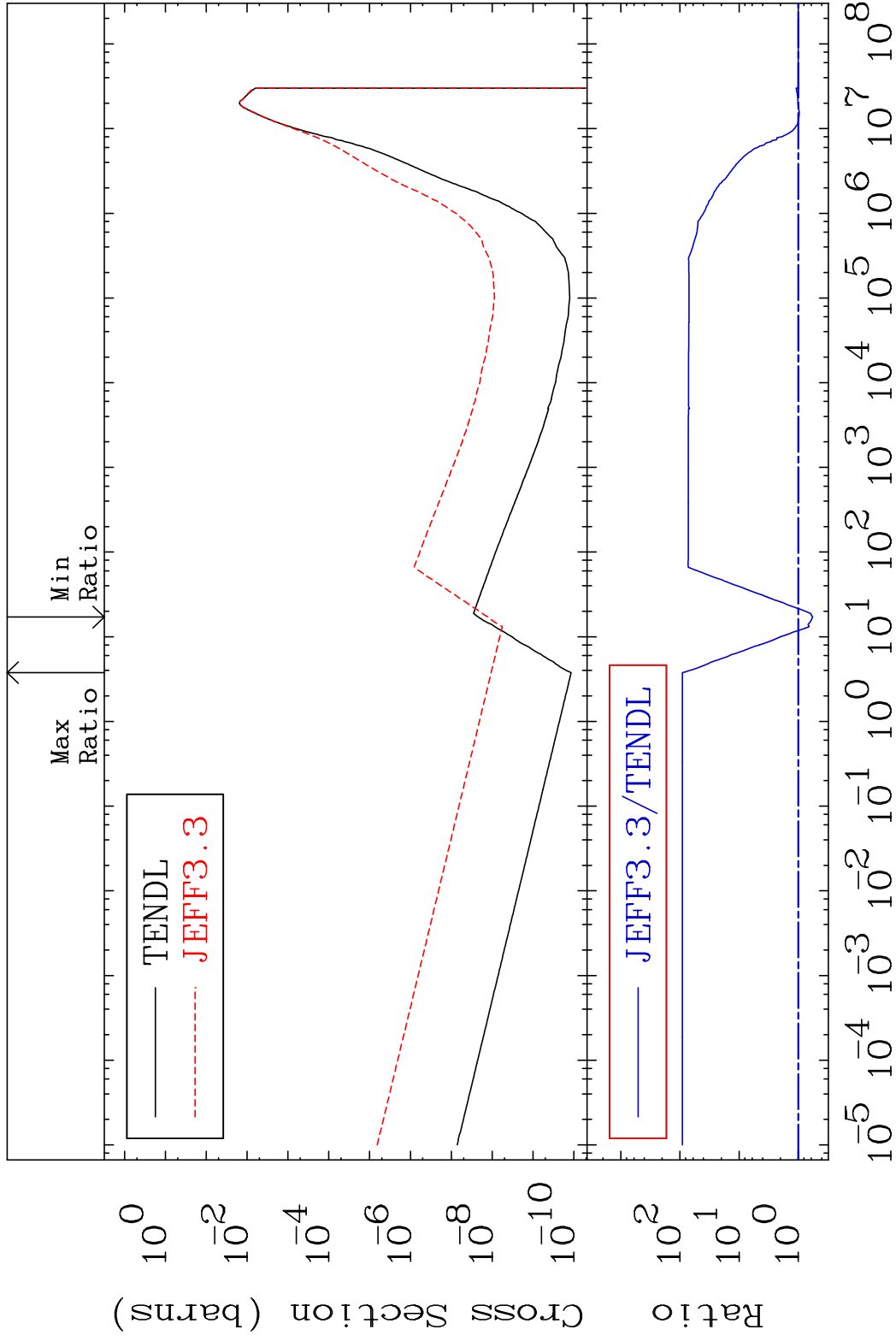
54-Xe-126

MAT 5431

(n, α)

54-Xe-126

Cross Section -42.93 To 9011. %



56

Incident Energy (eV)

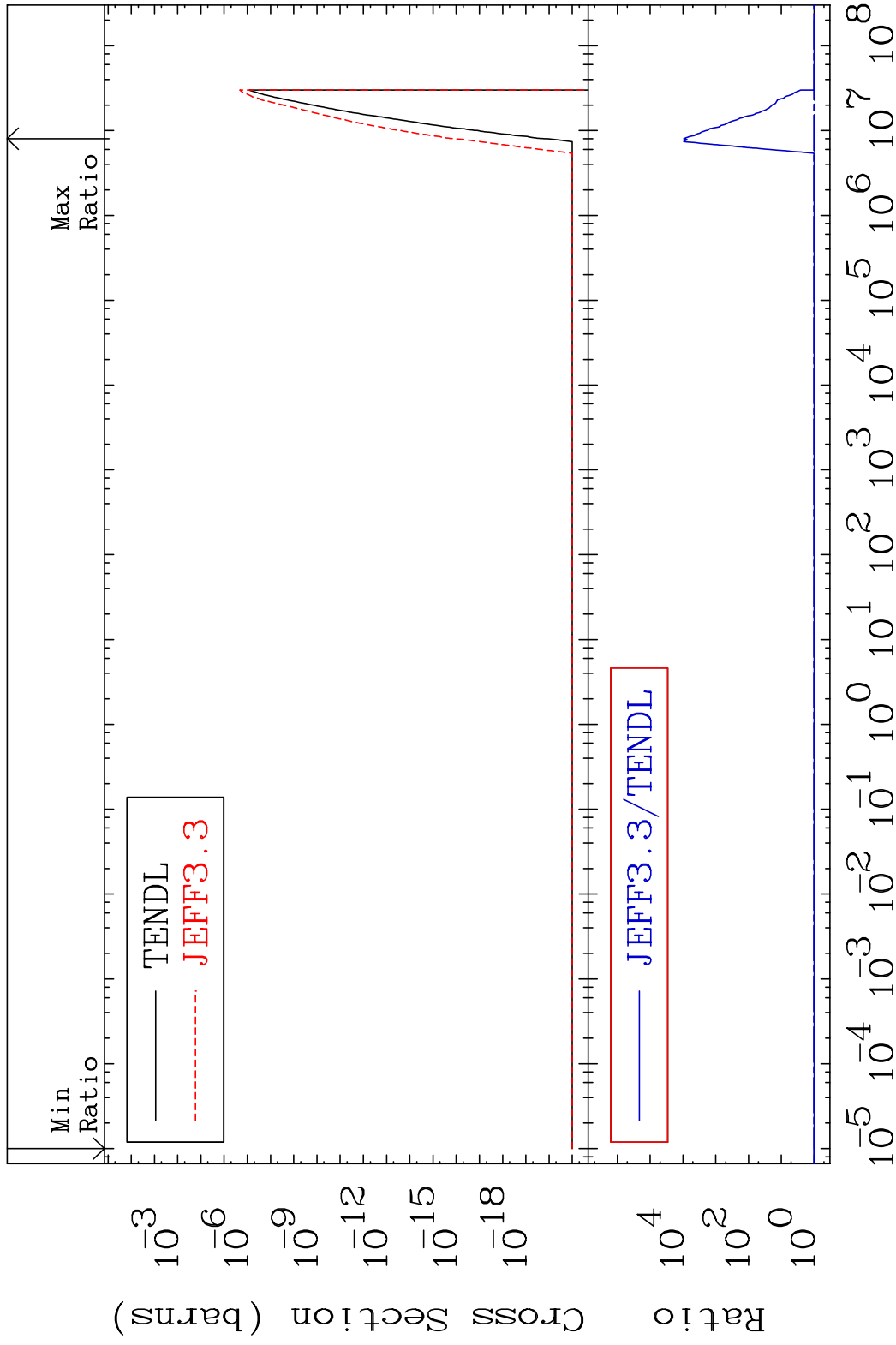
54-Xe-126

MAT 5431

(n,2α)

54-Xe-126

Cross Section 0.000 To 9999. %



57

Incident Energy (eV)

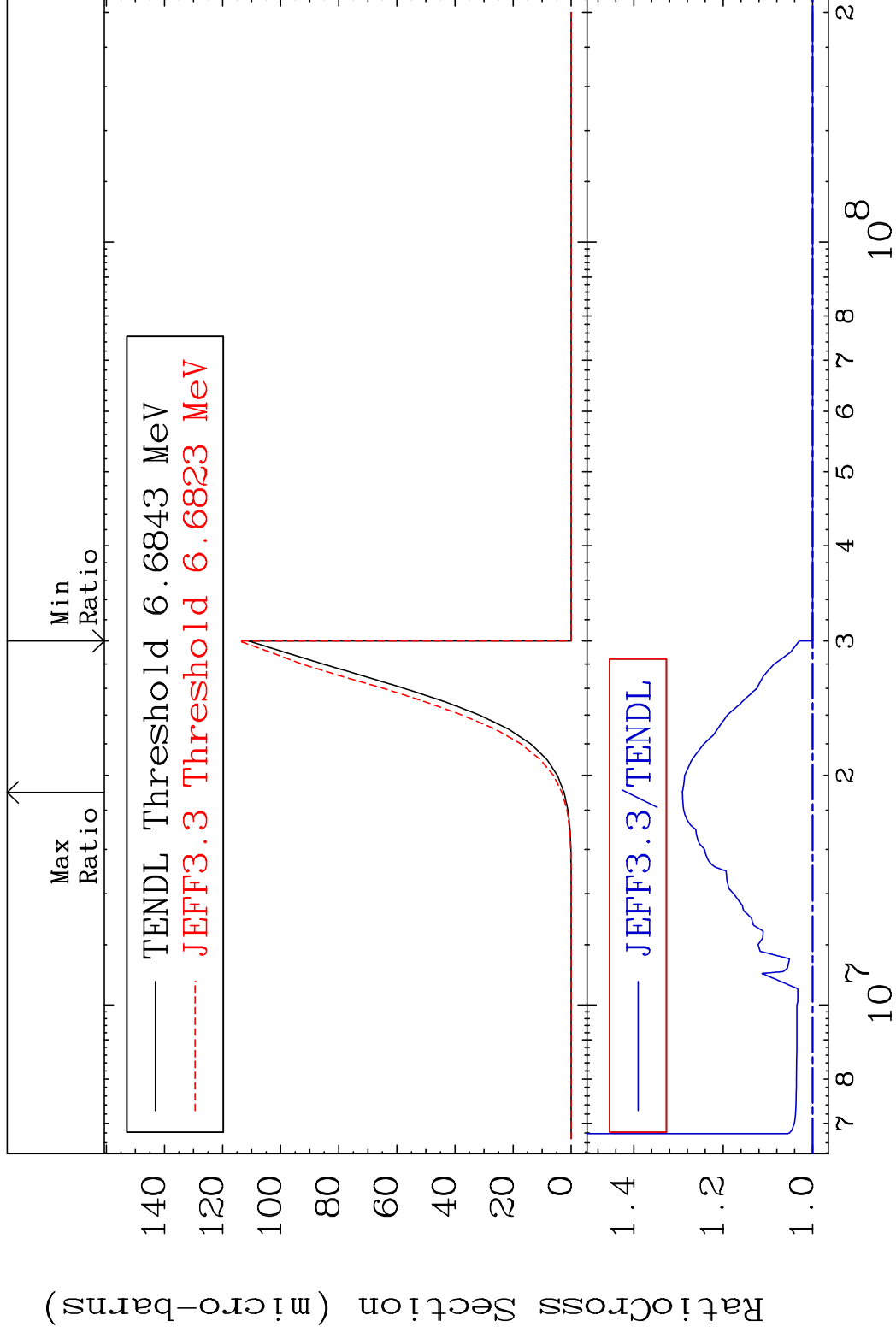
54-Xe-126

MAT 5431

(n,2p)

54-Xe-126

Cross Section 0.000 To 29.13 %



58

Incident Energy (eV)

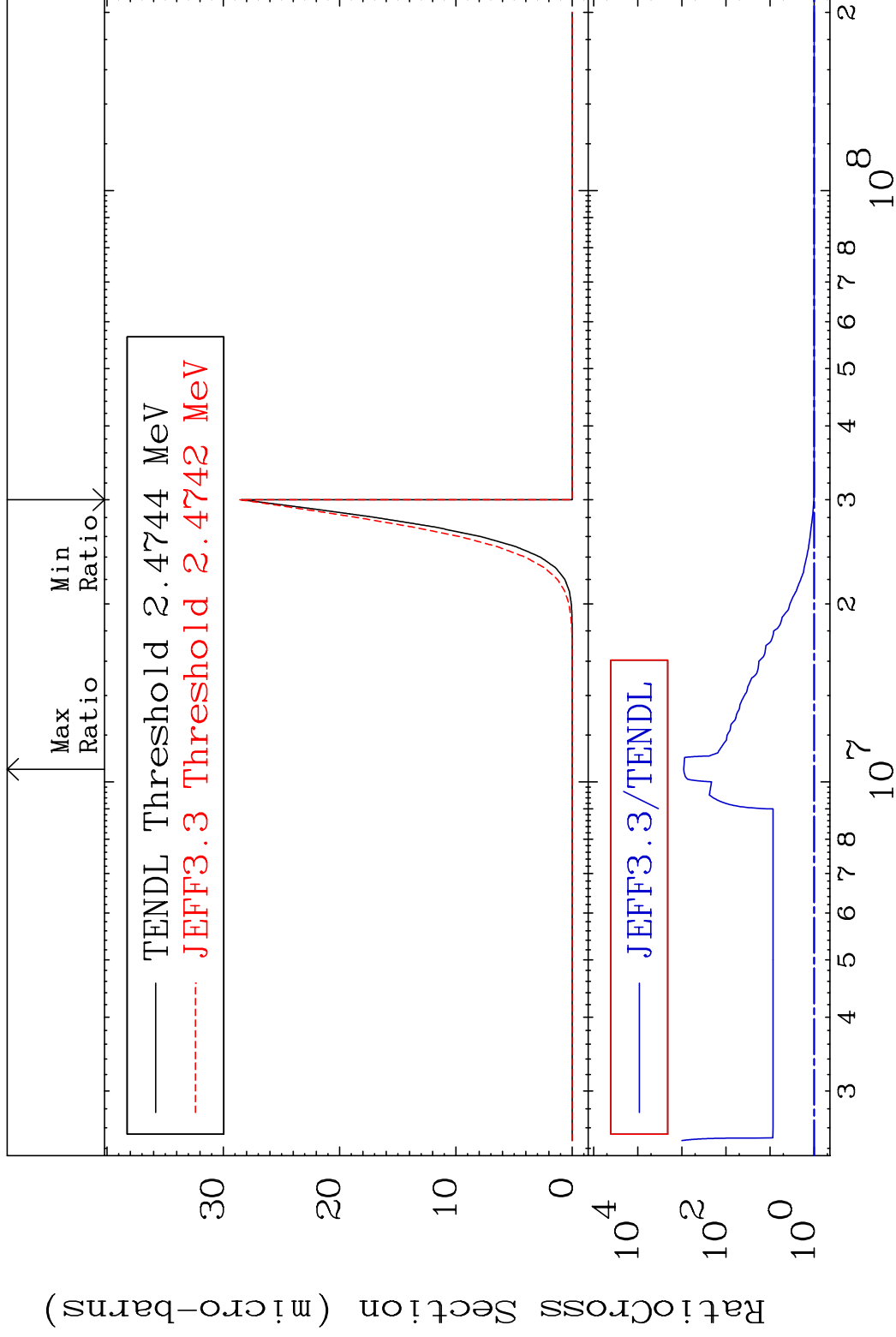
54-Xe-126

MAT 5431

(n,p) α

54-Xe-126

Cross Section 0.000 To 9999. %



59

Incident Energy (eV)

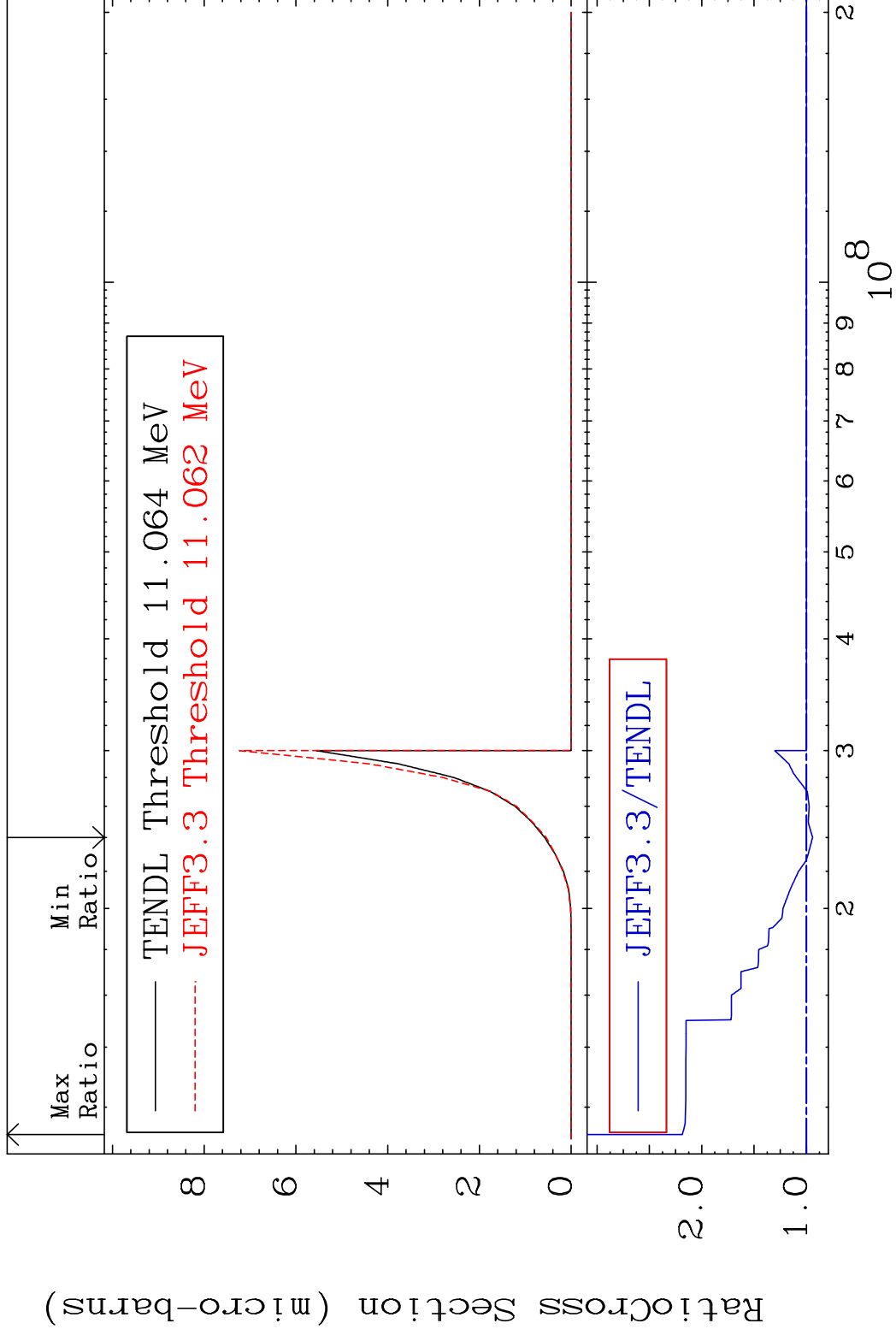
54-Xe-126

MAT 5431

(n,p) d

54-Xe-126

Cross Section -5.897 To 118.5 %



60

Incident Energy (eV)

54-Xe-126

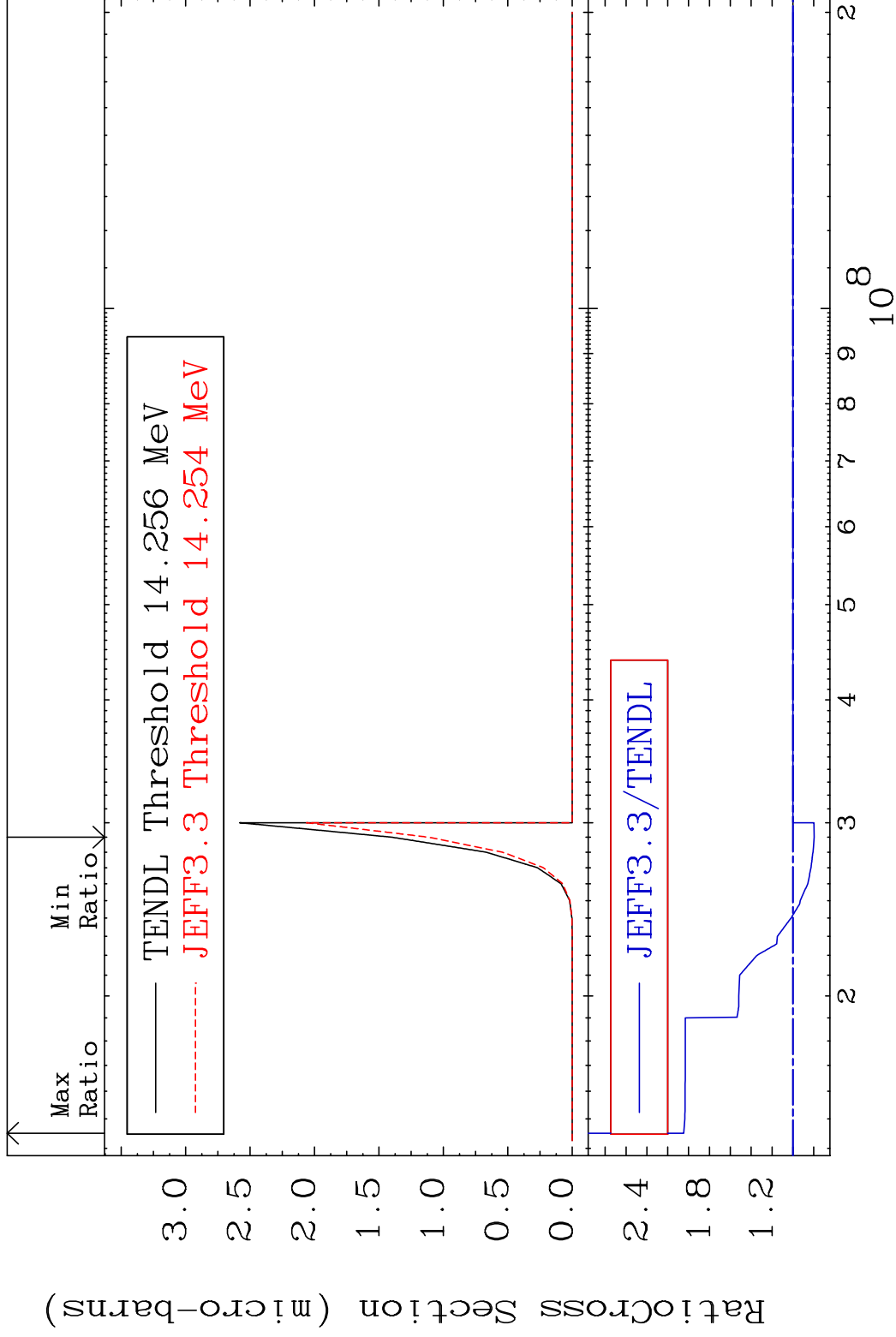
MAT 5431

(n,p) t

54-Xe-126

Cross Section

-20.37 To 104.7 %

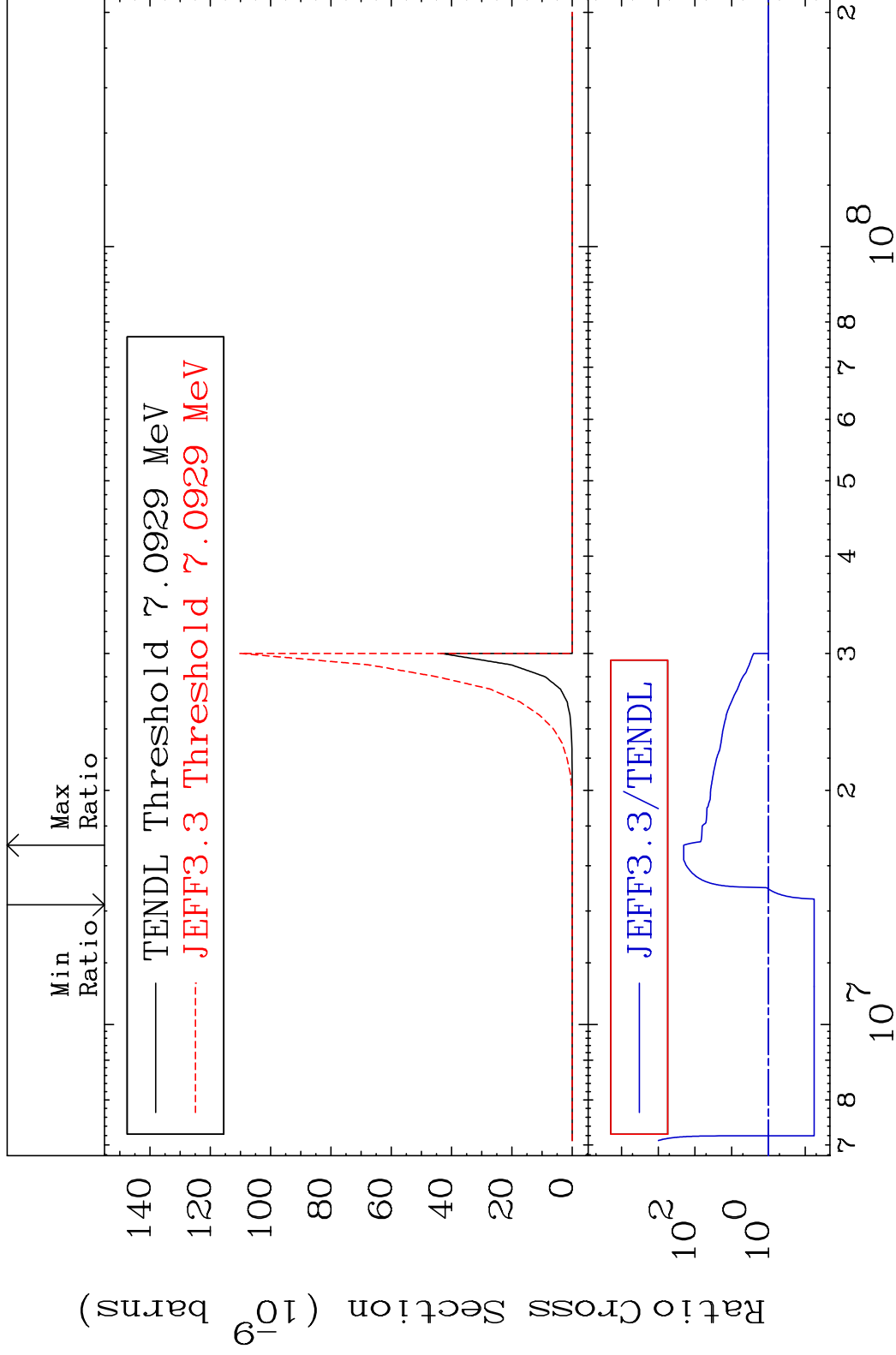


MAT 5431

(n,d) α

54-Xe-126

Cross Section -94.28 To 9999. %



62

Incident Energy (eV)

54-Xe-126

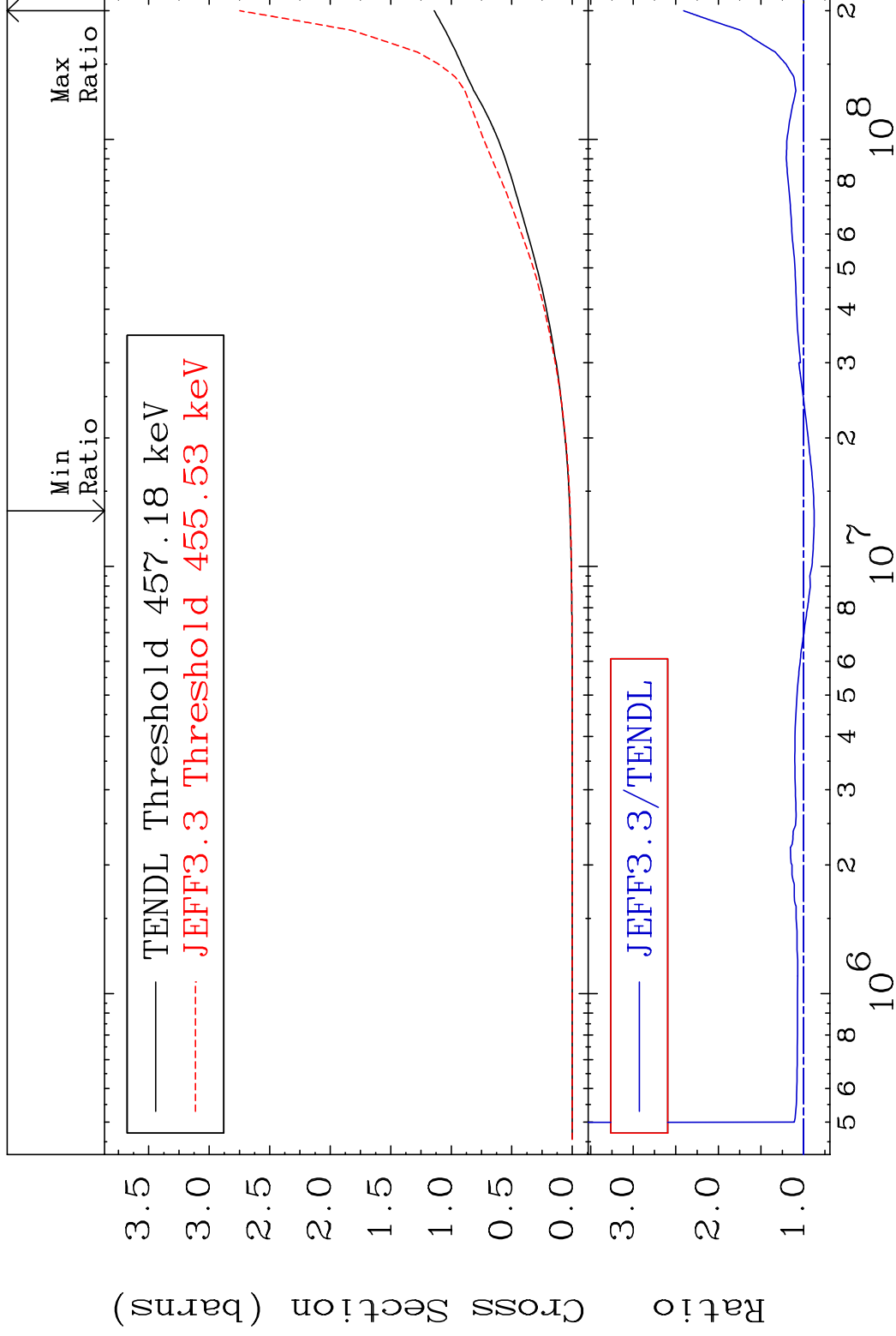
MAT 5431

Hydrogen Production

54-Xe-126

Cross Section

-12.34 To 140.8 %



63

Incident Energy (eV)

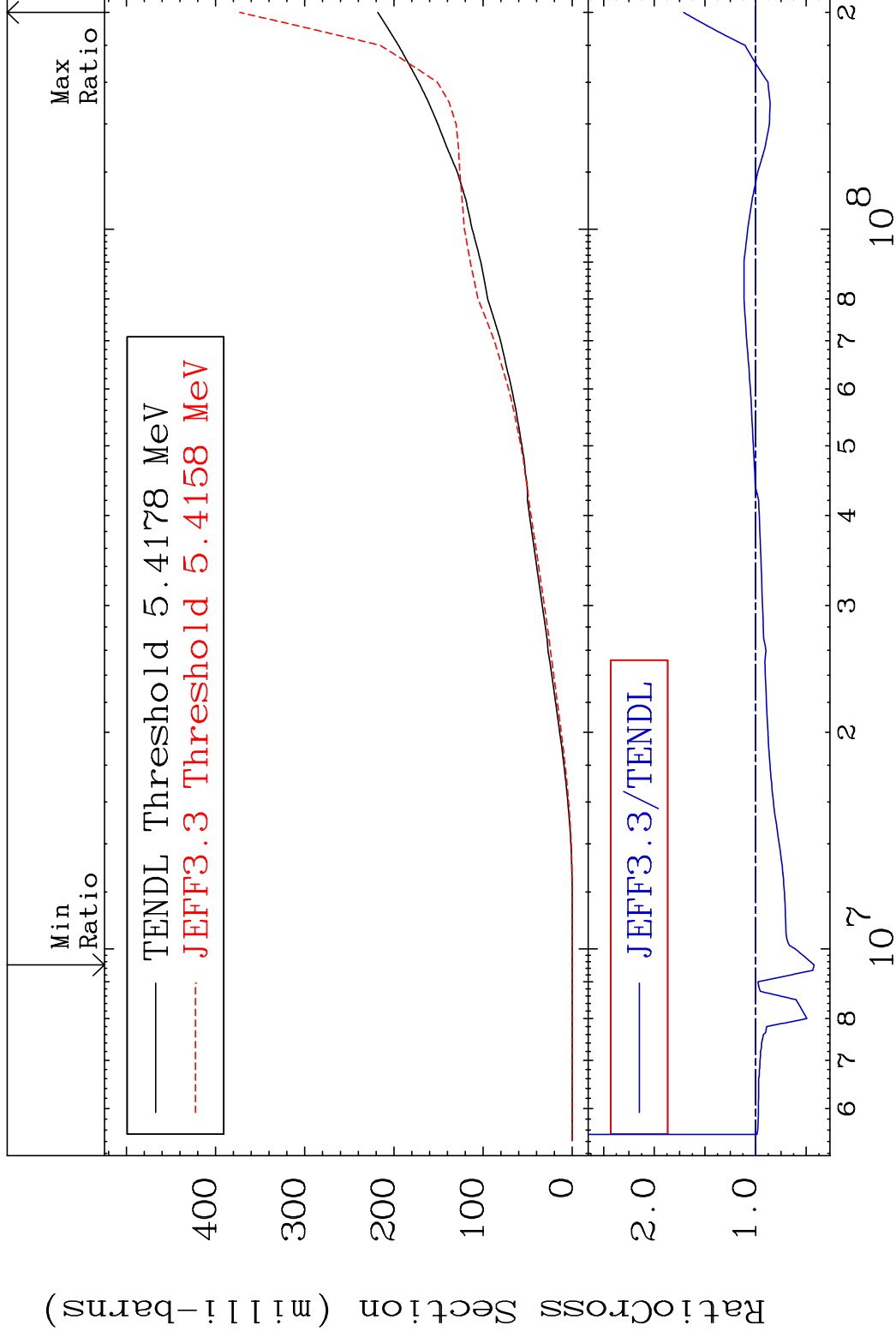
54-Xe-126

MAT 5431

Deuterium Production

54-Xe-126

Cross Section -57.75 To 71.00 %



64

Incident Energy (eV)

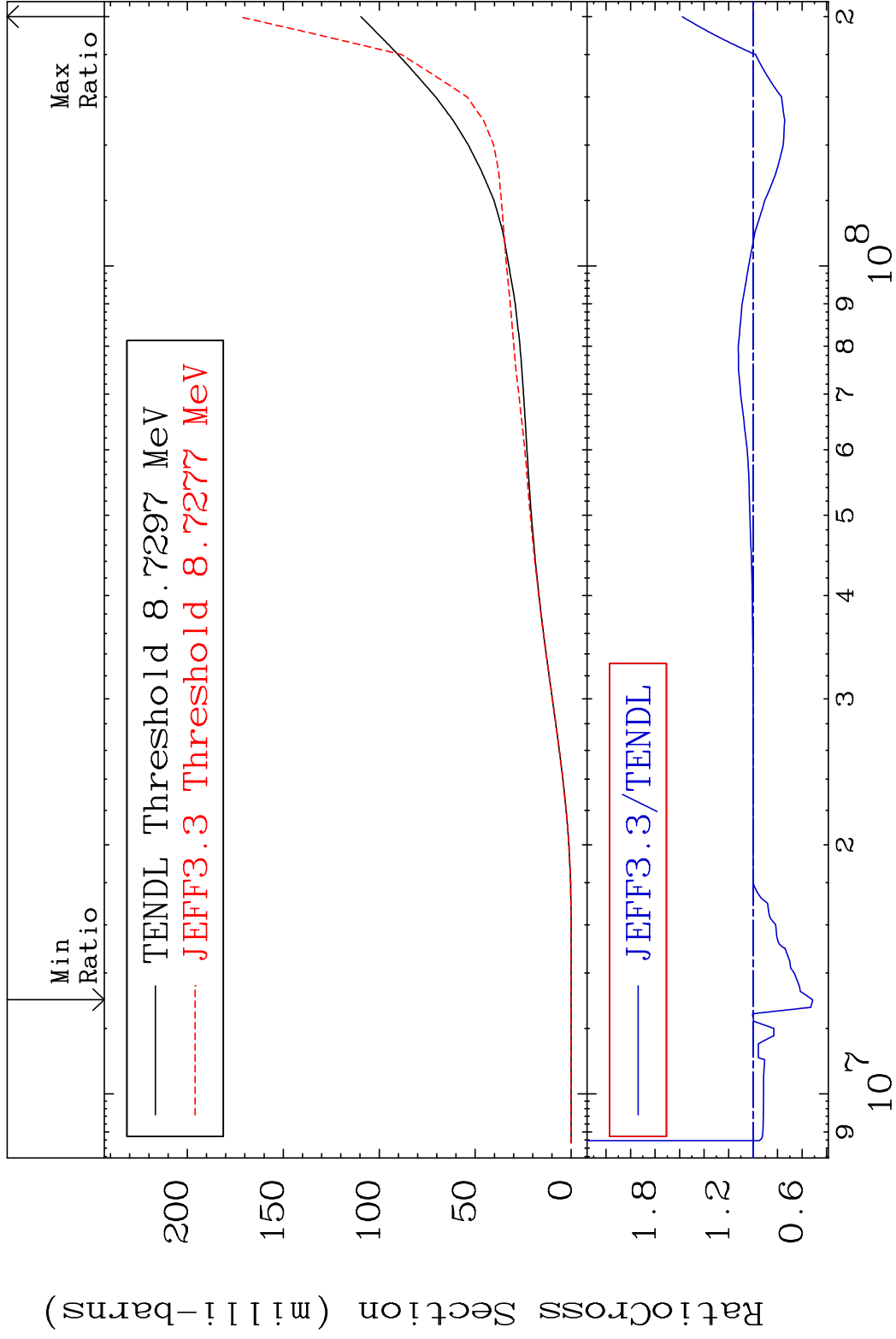
54-Xe-126

MAT 5431

Tritium Production

54-Xe-126

Cross Section -48.52 To 57.70 %



65

Incident Energy (eV)

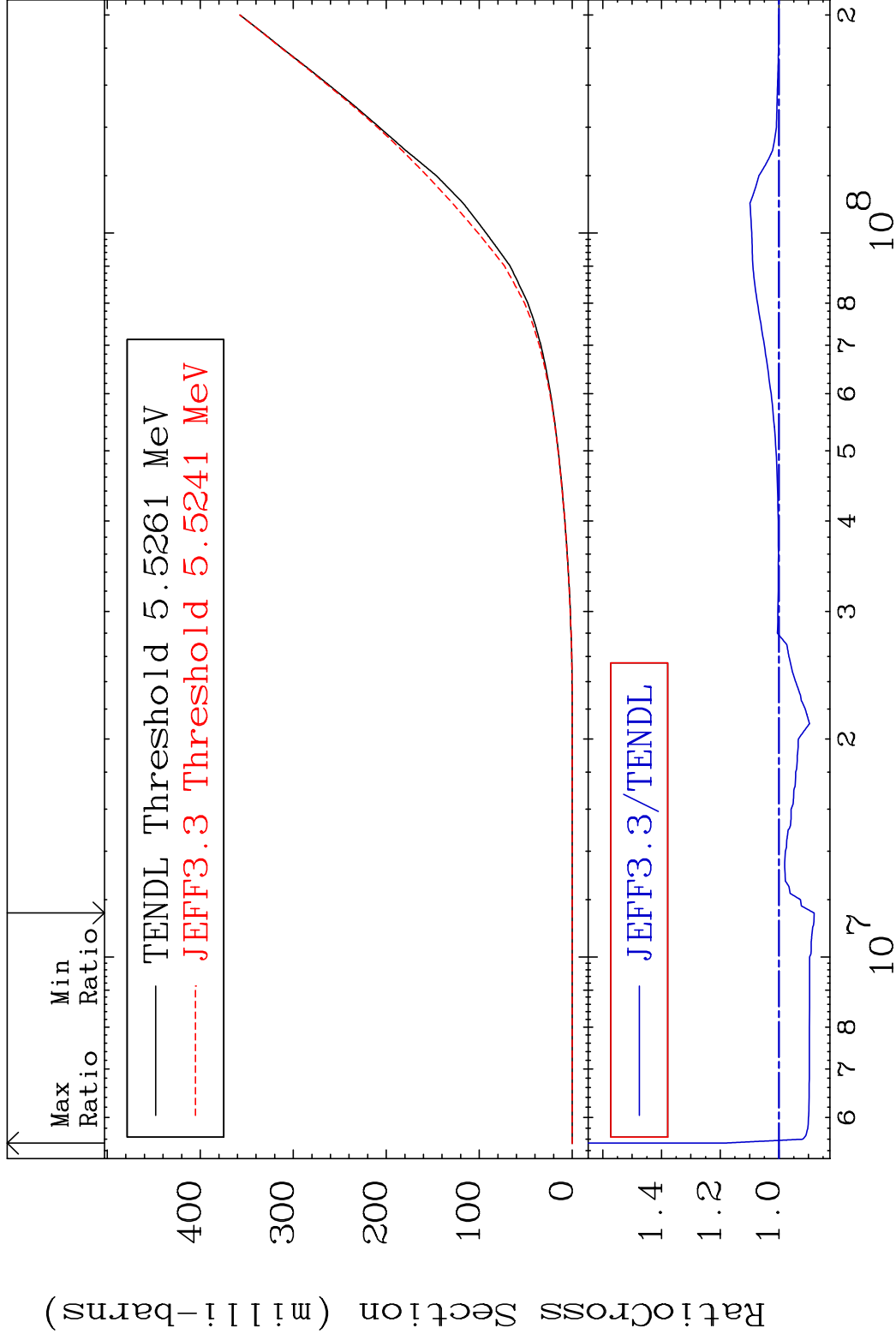
54-Xe-126

MAT 5431

He-3 Production

54-Xe-126

Cross Section -11.94 To 32.46 %



66

Incident Energy (eV)

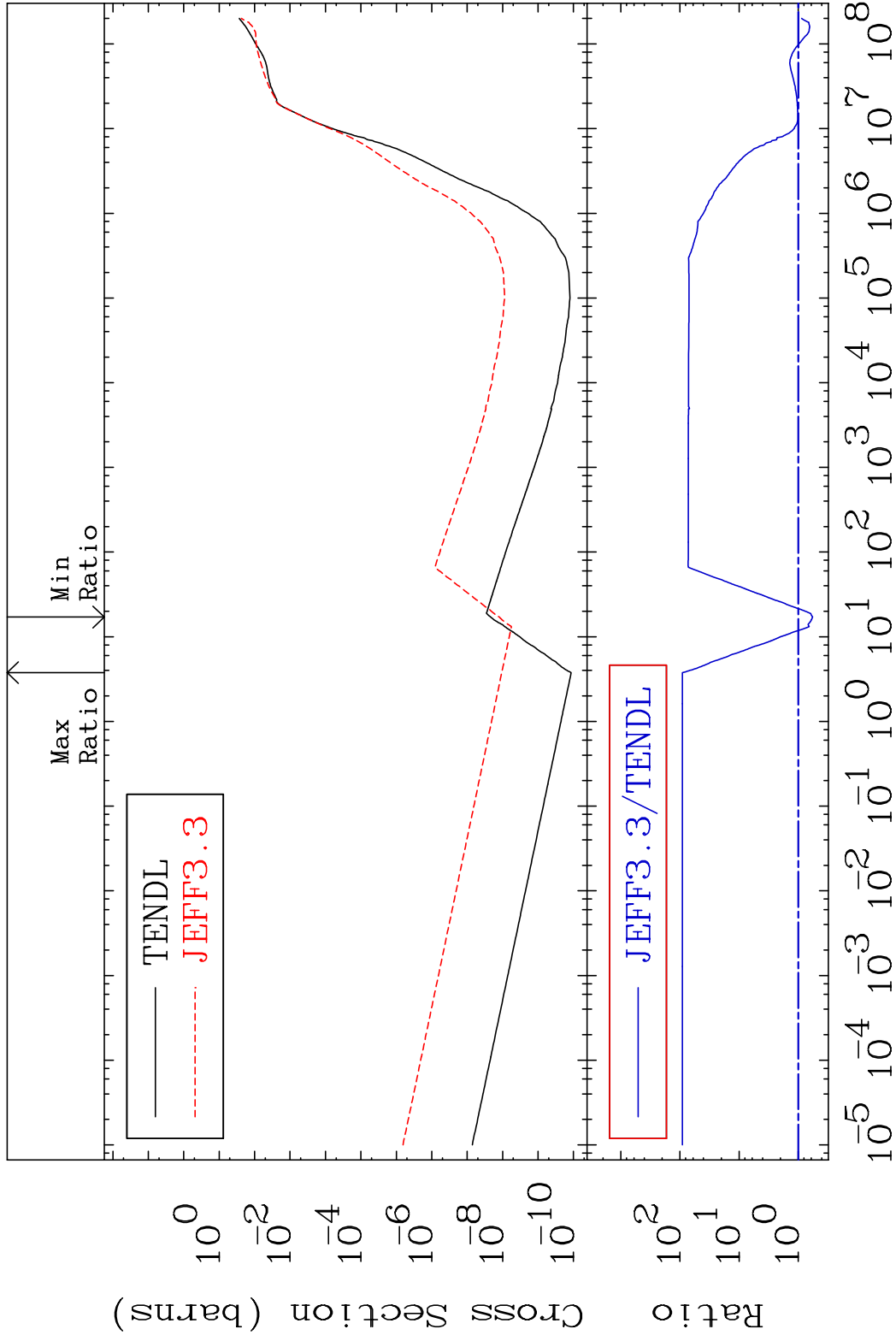
54-Xe-126

MAT 5431

He-4 Production

54-Xe-126

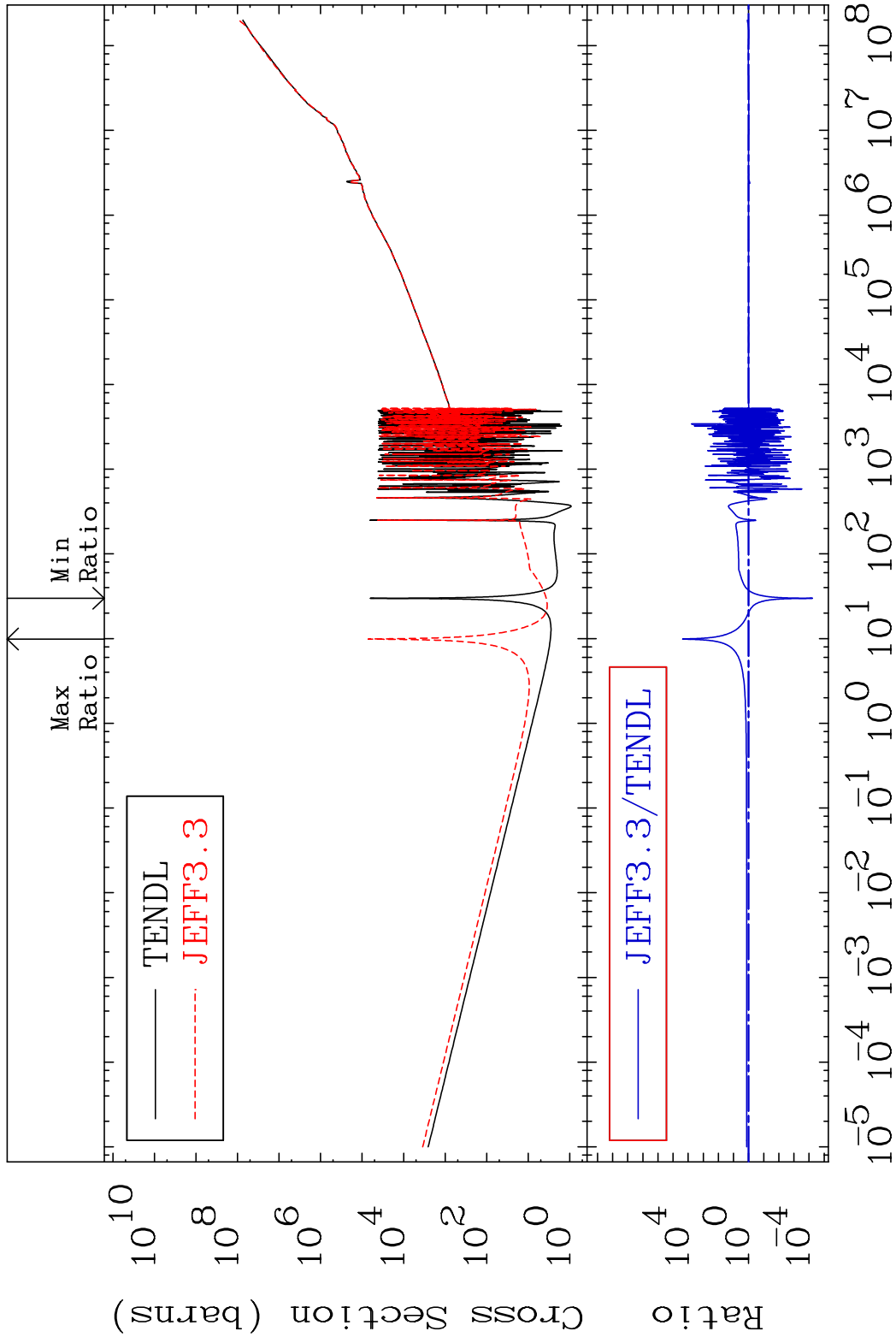
Cross Section -42.93 To 9011. %



MAT 5431

Kerma total (eV-barns) 54-Xe-126

Cross Section -99.99 To 9999. %



68

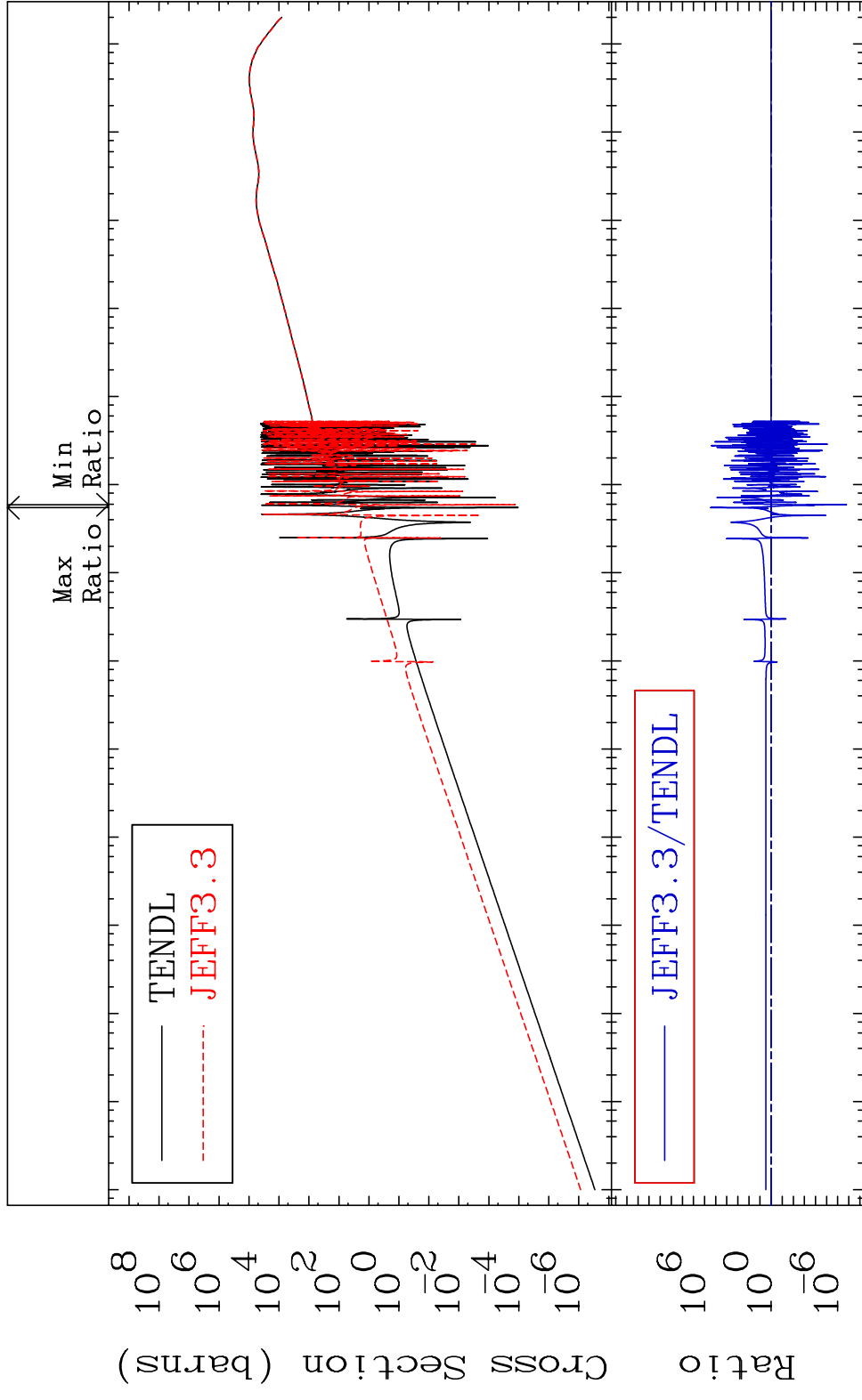
Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma elastic
Cross Section -100.0 To 9999. %

54-Xe-126

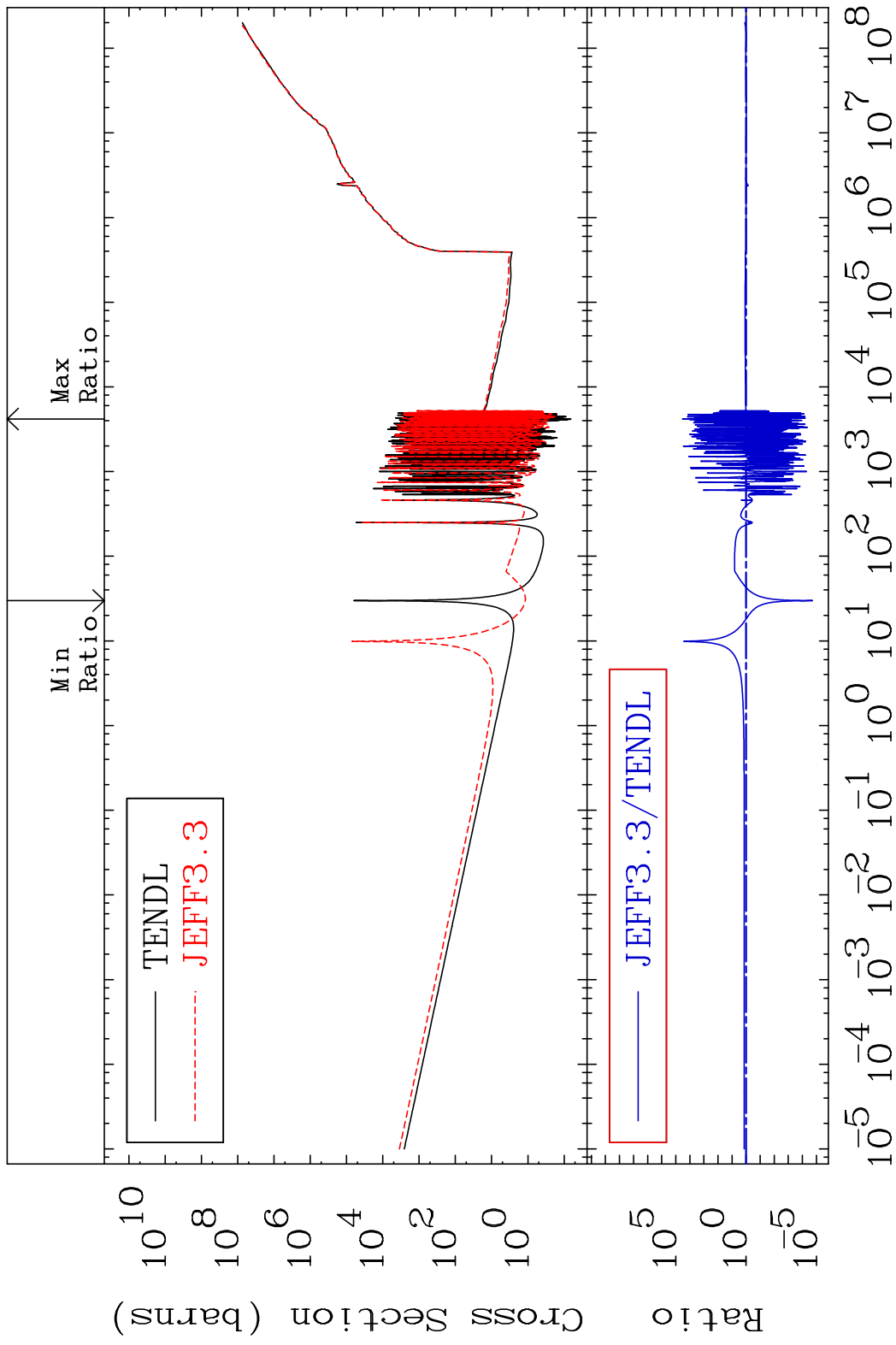


69

Incident Energy (eV)

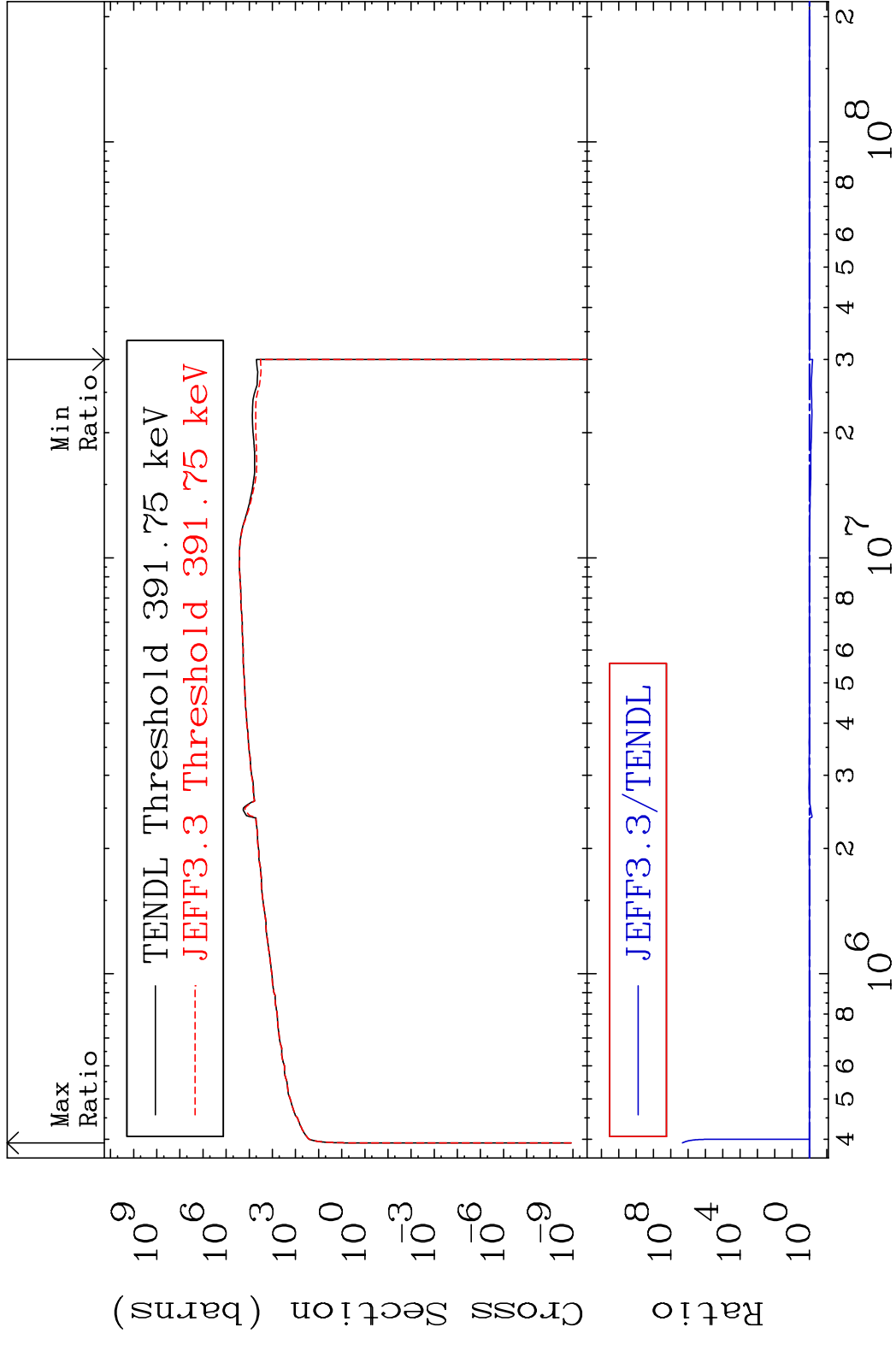
54-Xe-126

MAT 5431 Kerma non-elastic (all but mt2) 54-Xe-126
 Cross Section -100.0 To 9999. %

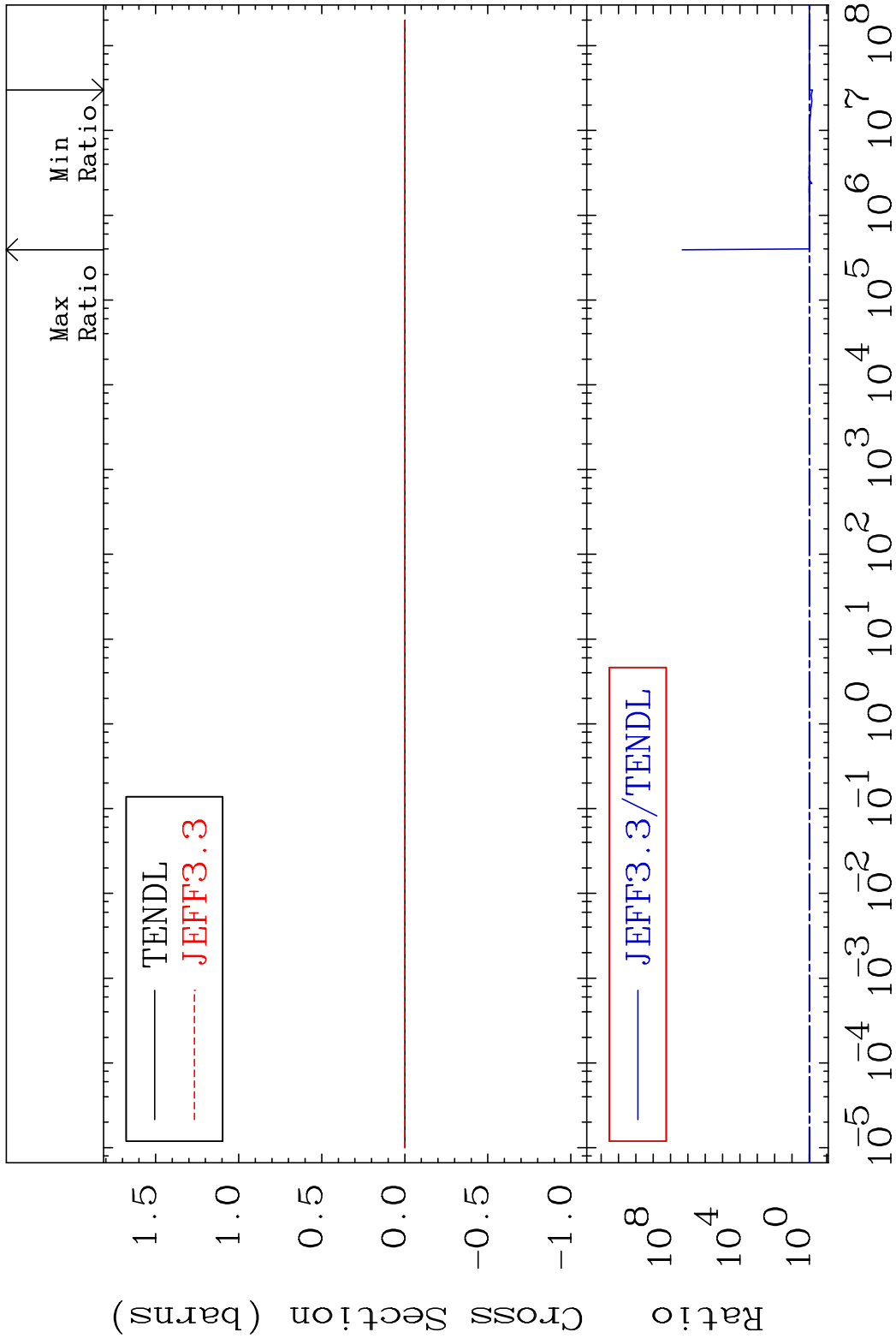


70 Incident Energy (eV) 54-Xe-126

MAT 5431 Kerma inelastic (mt51-91) 54-Xe-126
 Cross Section -34.38 To 9999. %



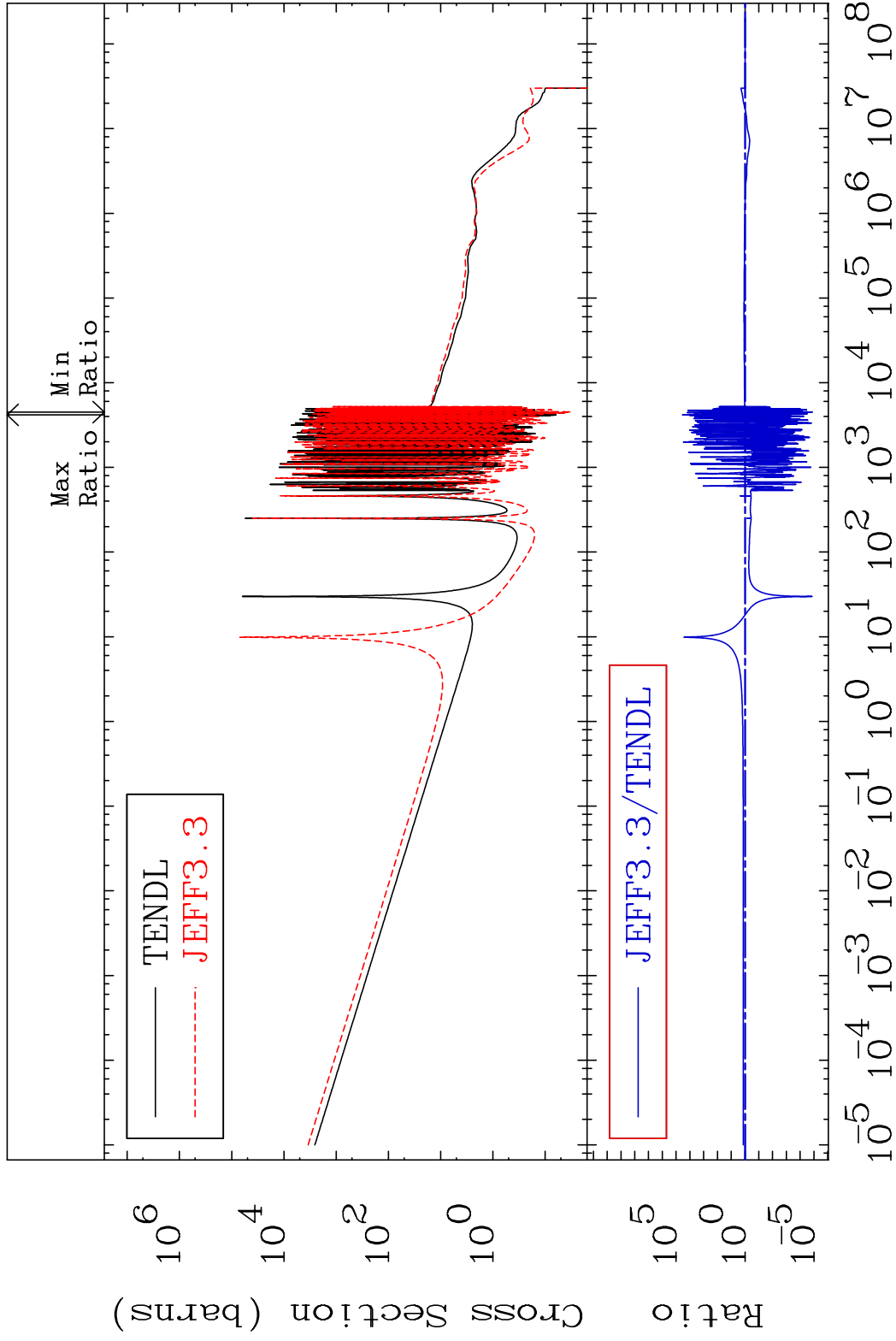
MAT 5431 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-126
 Cross Section -34.38 To 9999. %



MAT 5431

Kerma capture (mt102) 54-Xe-126

Cross Section -100.0 To 9999. %

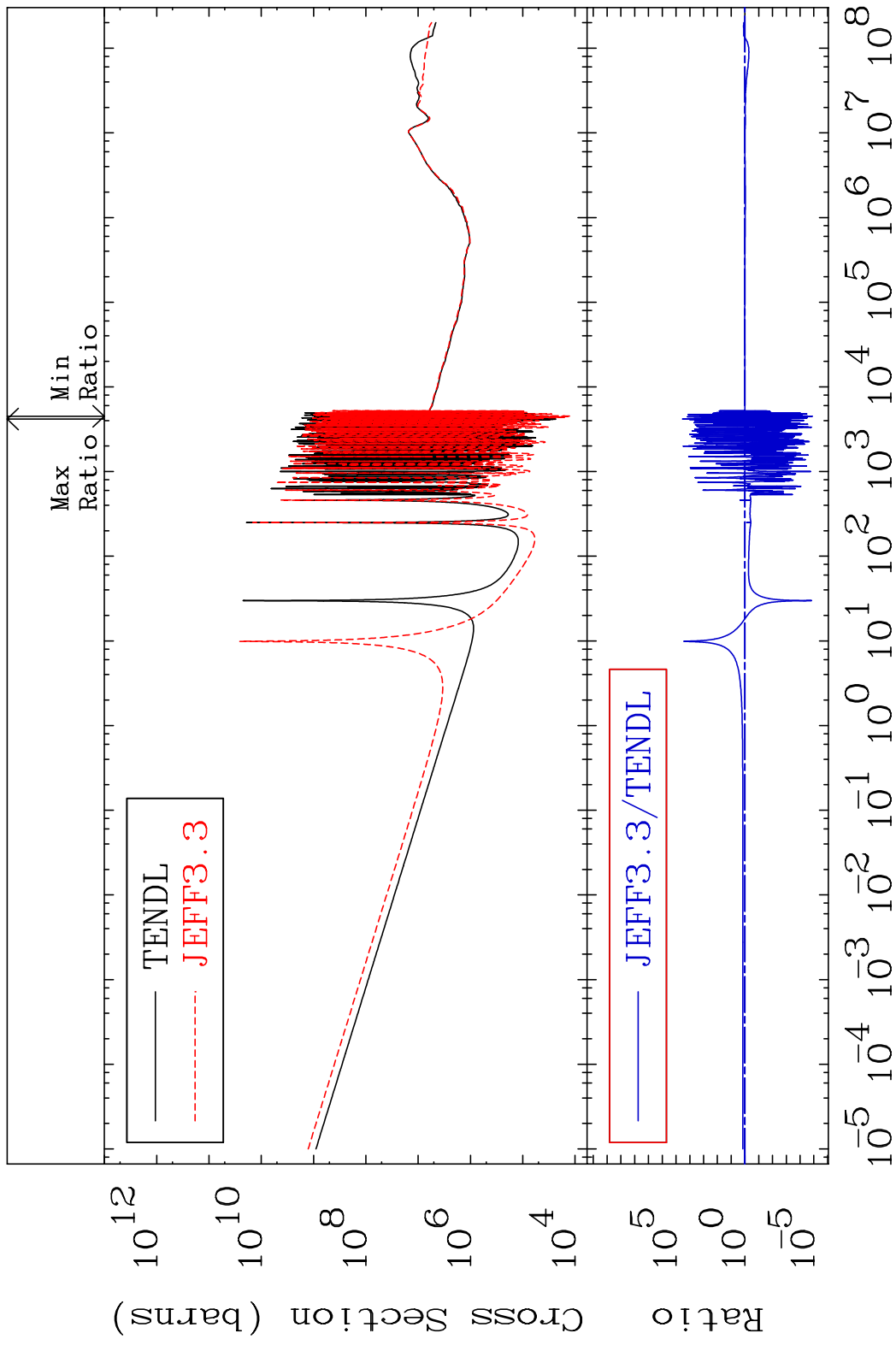


73

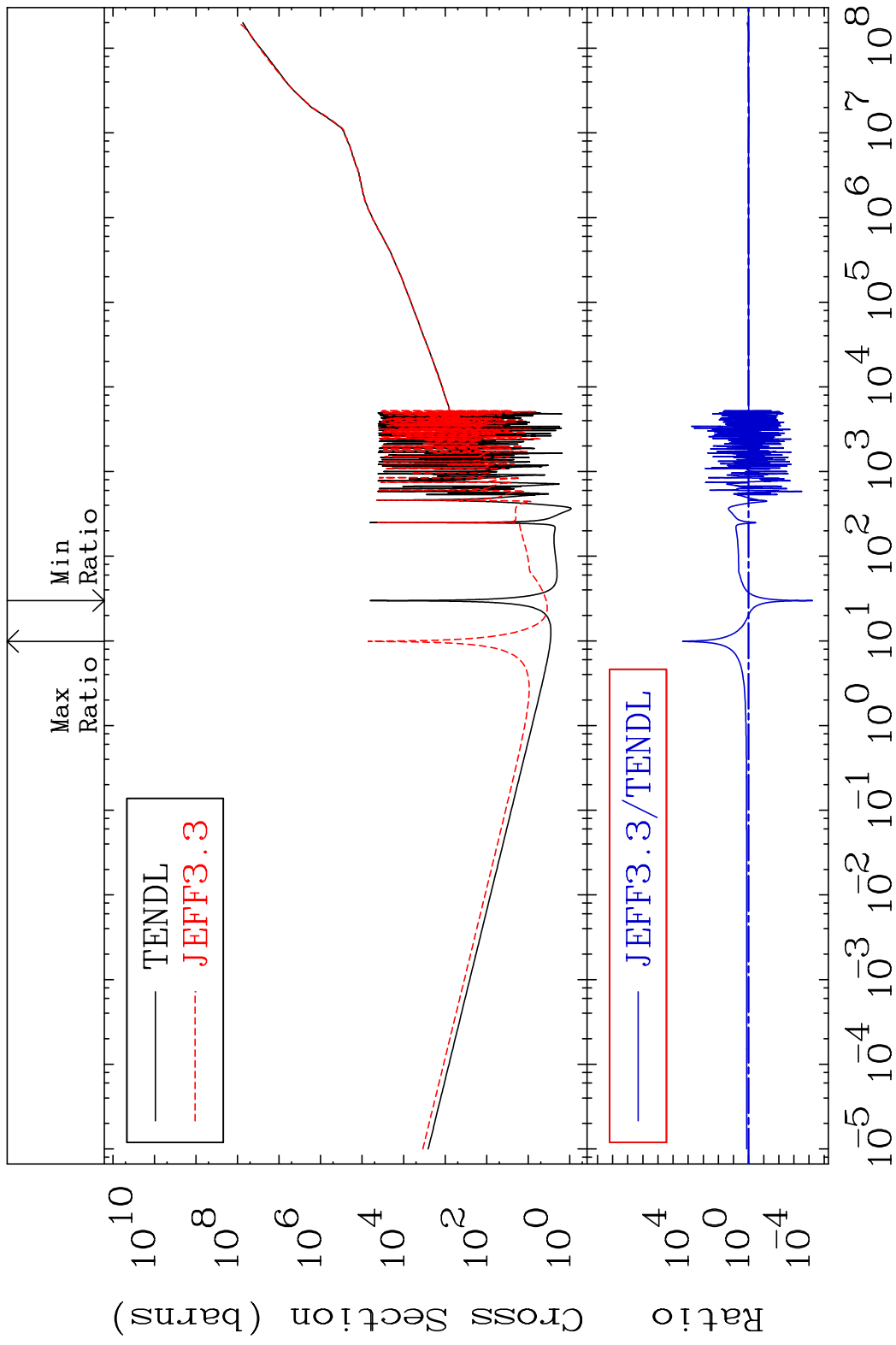
Incident Energy (eV)

54-Xe-126

MAT 5431 Total photon (eV-barns) 54-Xe-126
 Cross Section -100.0 To 9999. %



MAT 5431 Total kinematic kerma (high limit) 54-Xe-126
 Cross Section -99.99 To 9999. %

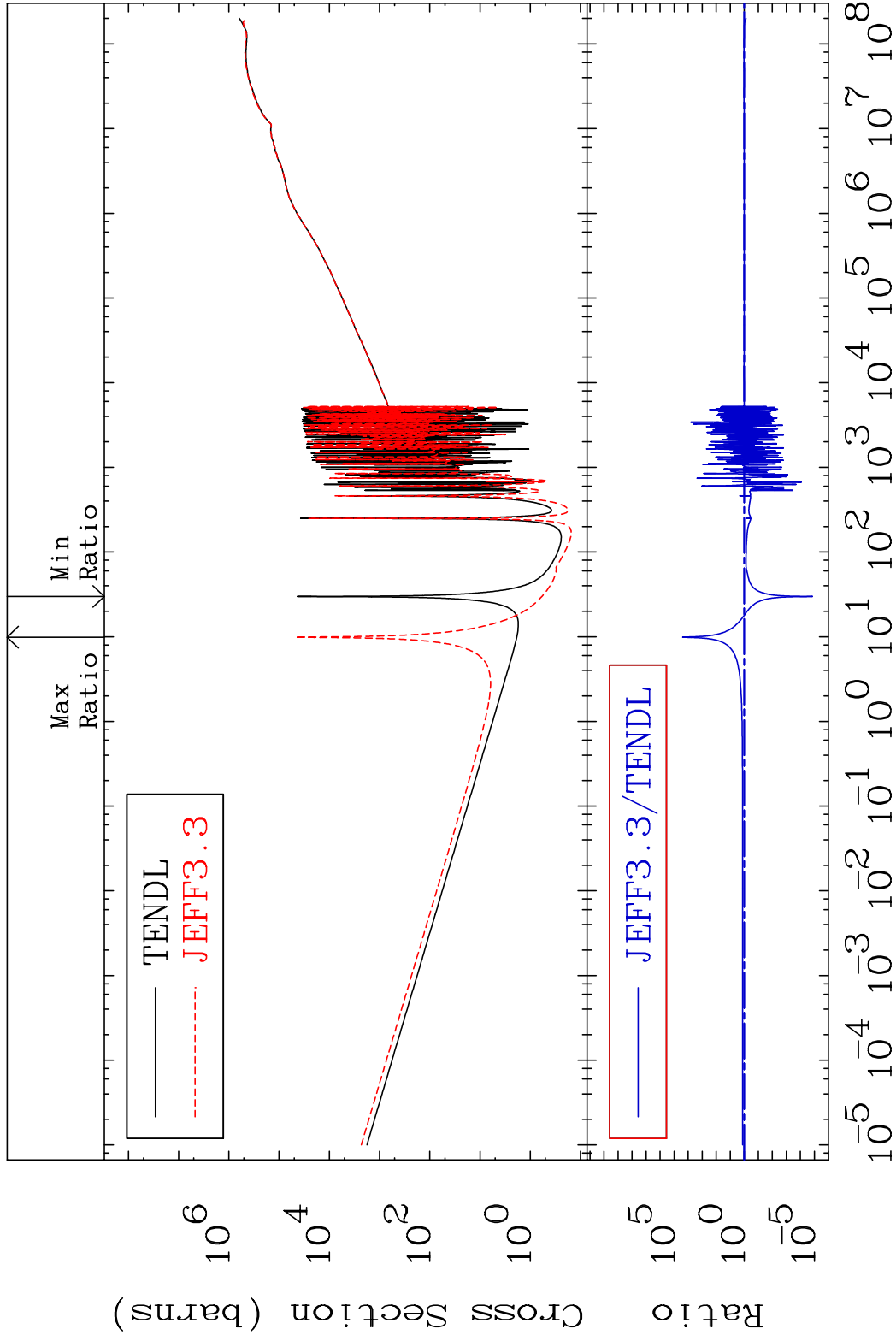


MAT 5431

Dpa total (eV-barns)

54-Xe-126

Cross Section -100.0 To 9999. %



76

Incident Energy (eV)

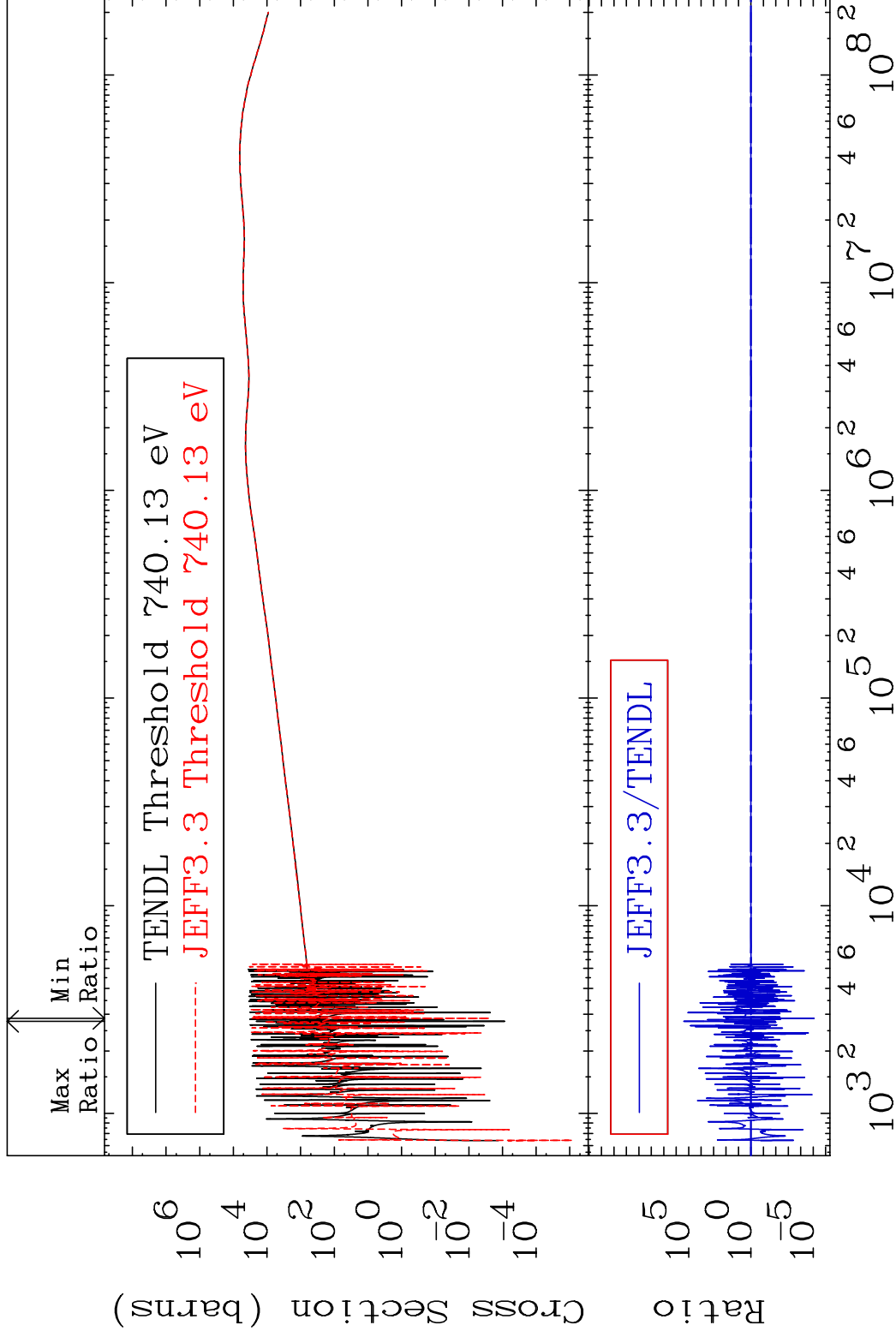
54-Xe-126

MAT 5431

Dpa elastic (mt2)

54-Xe-126

Cross Section -100.0 To 9999. %

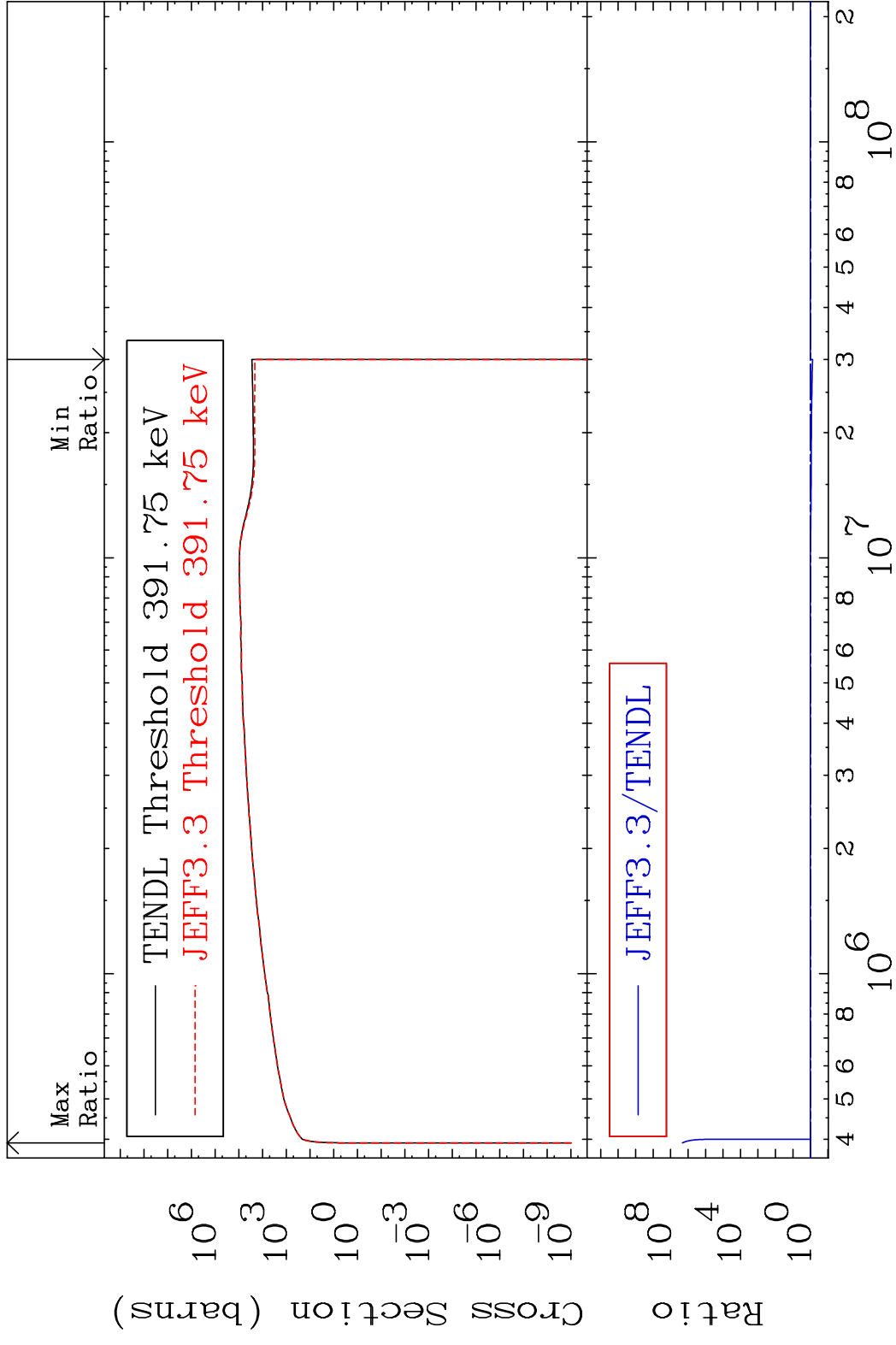


77

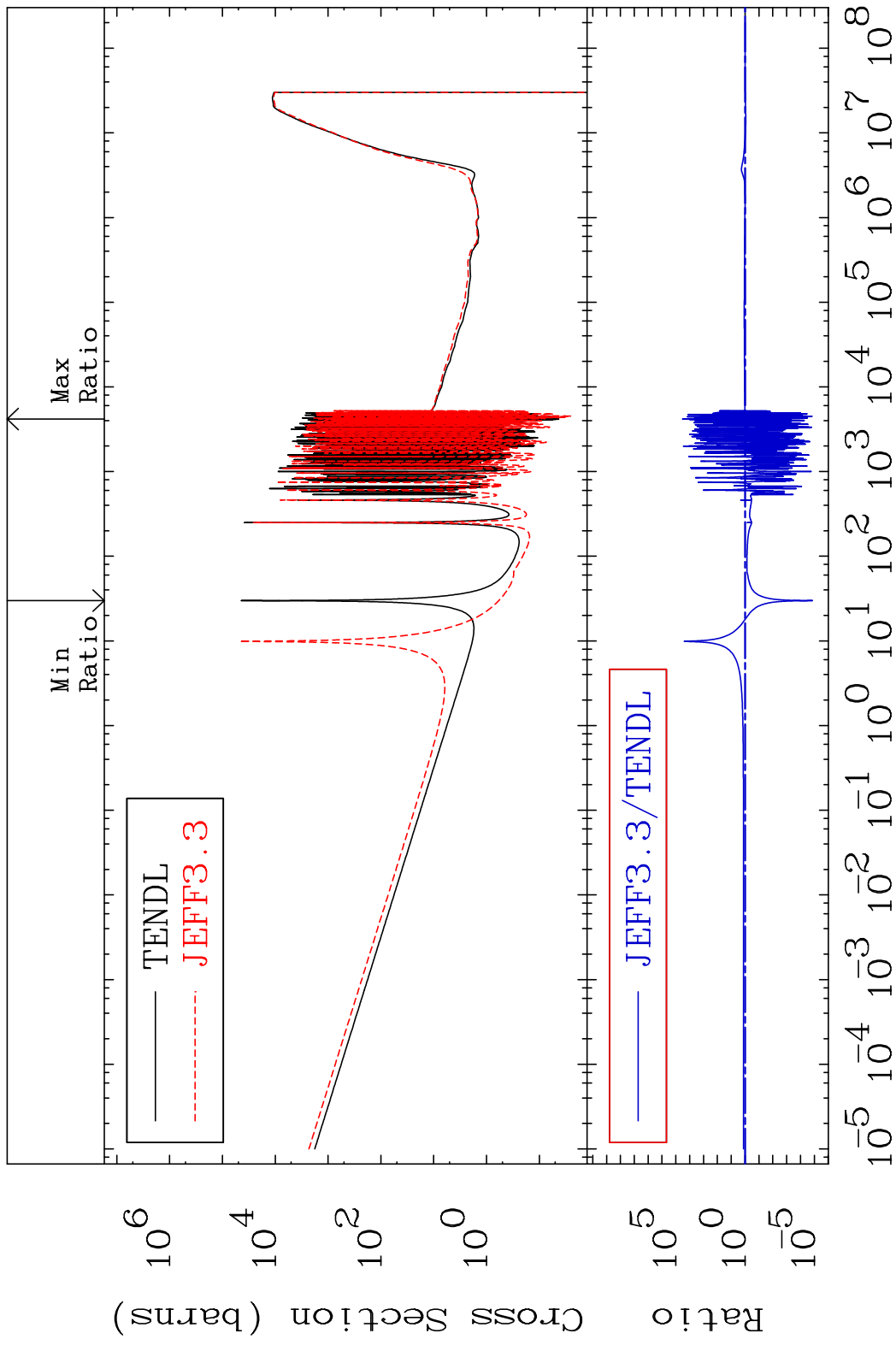
Incident Energy (eV)

54-Xe-126

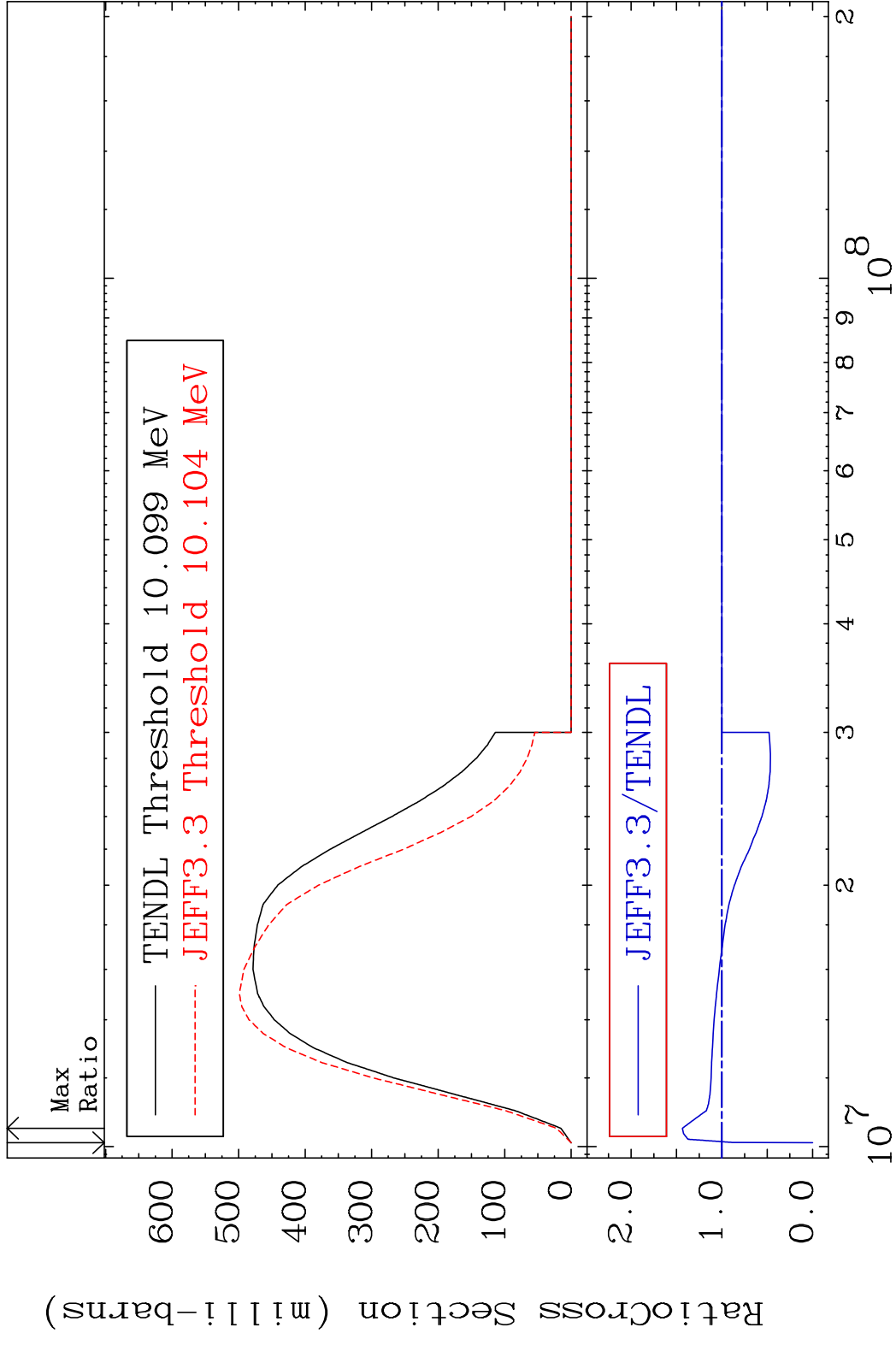
MAT 5431 Dpa inelastic (mt51-91) 54-Xe-126
 Cross Section -25.03 To 9999. %



MAT 5431 Dpa disappearance (mt102 -120) 54-Xe-126
 Cross Section -100.0 To 9999. %

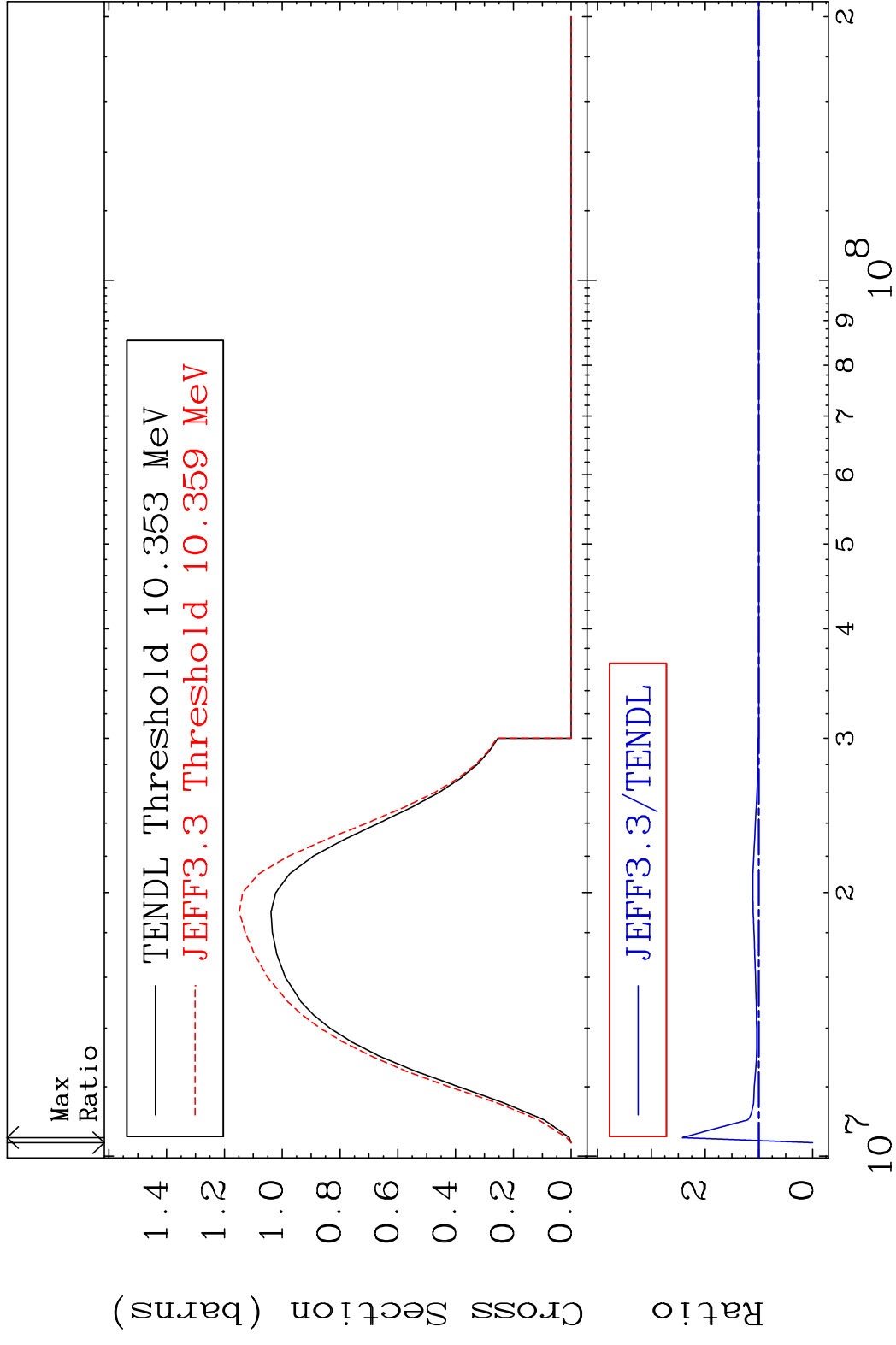


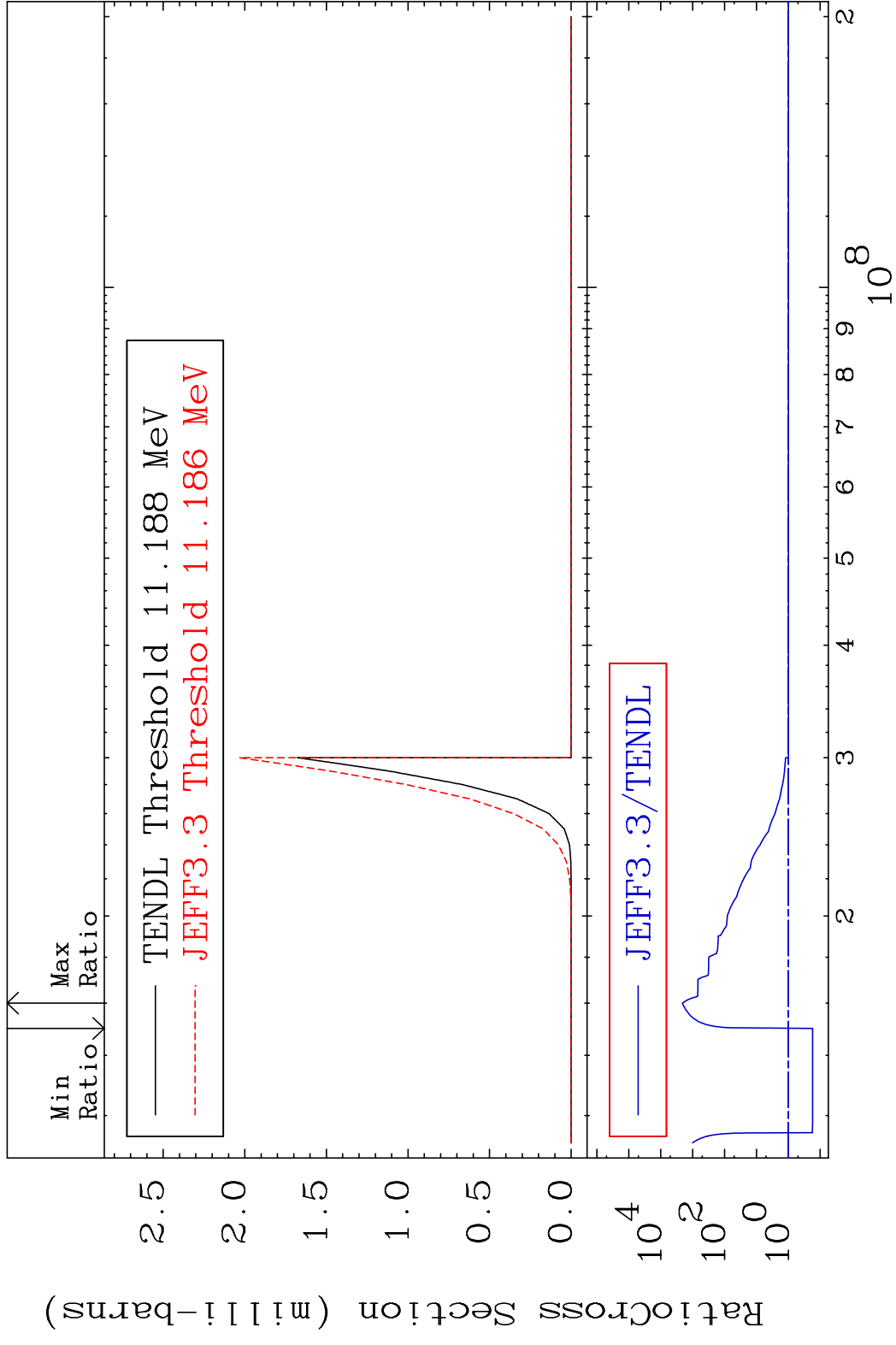
MAT 5431 (n,2n):54-Xe-125g 54-Xe-126
 Radionuclide Production Cross Section 180.01 dth 43.57 %



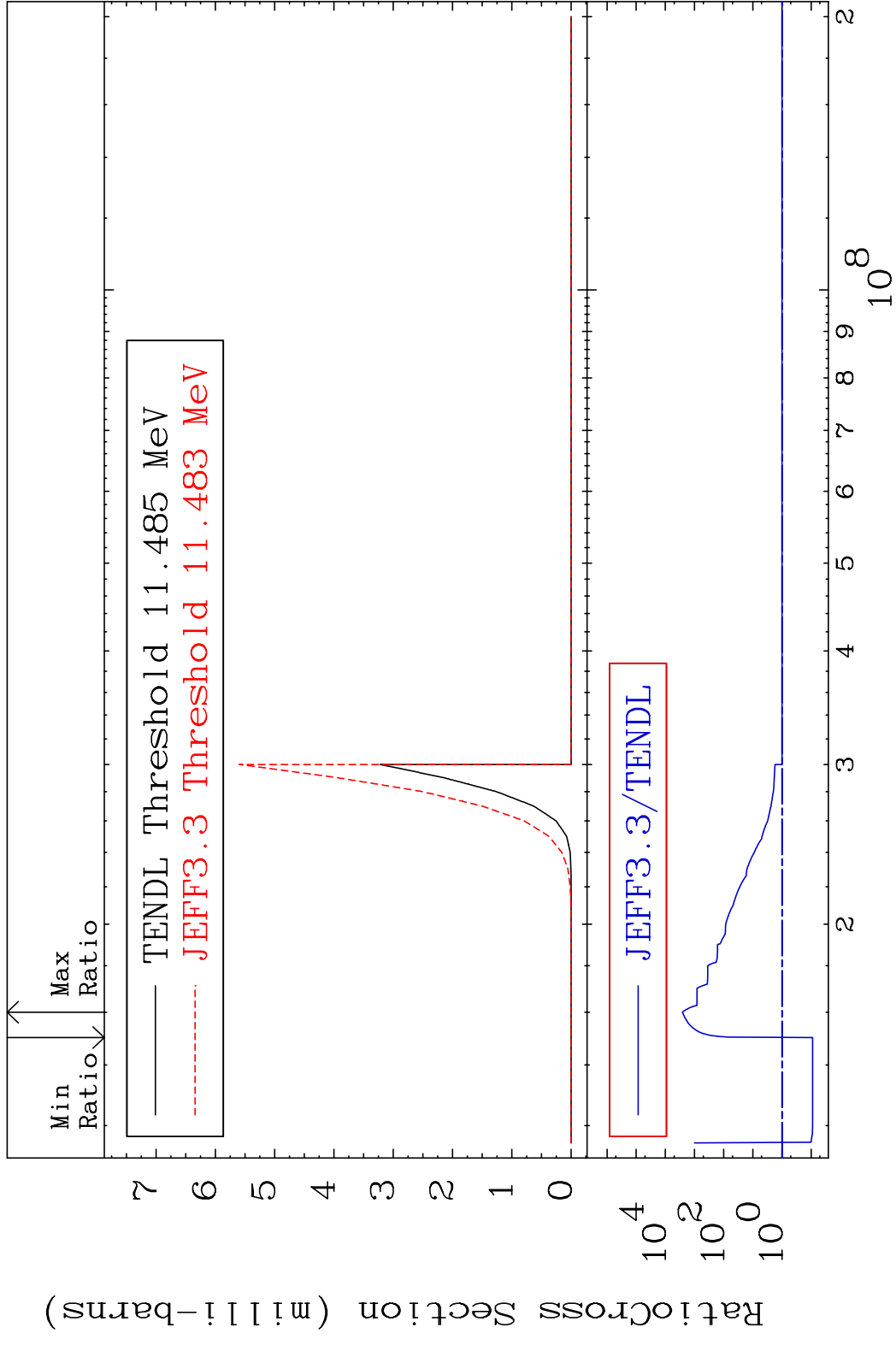
80 Incident Energy (eV) 54-Xe-126

MAT 5431 (n,2n):54-Xe-125m2 54-Xe-126
 Radionuclide Production Cross Section 180.01 dth 142.3 %

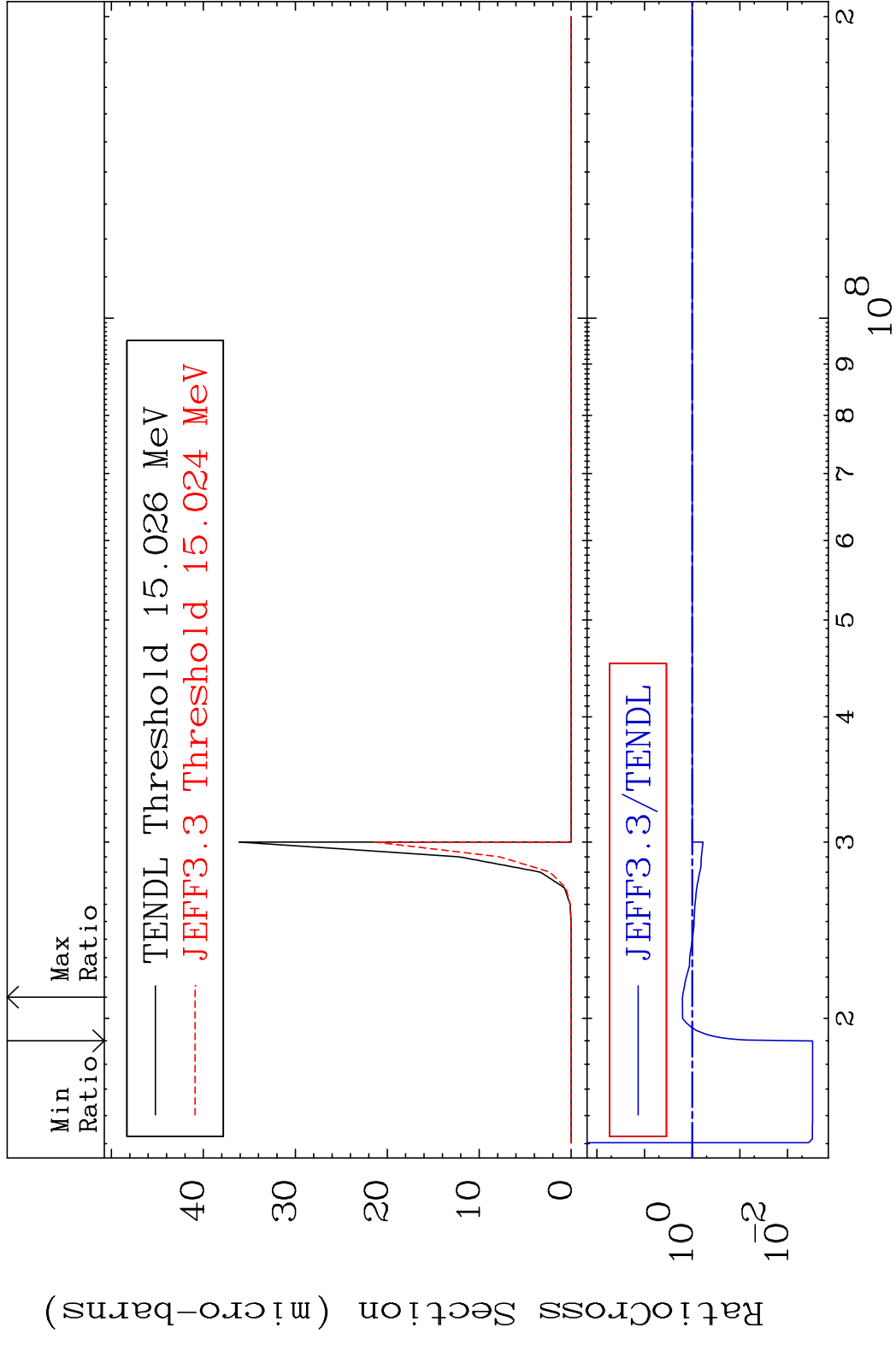


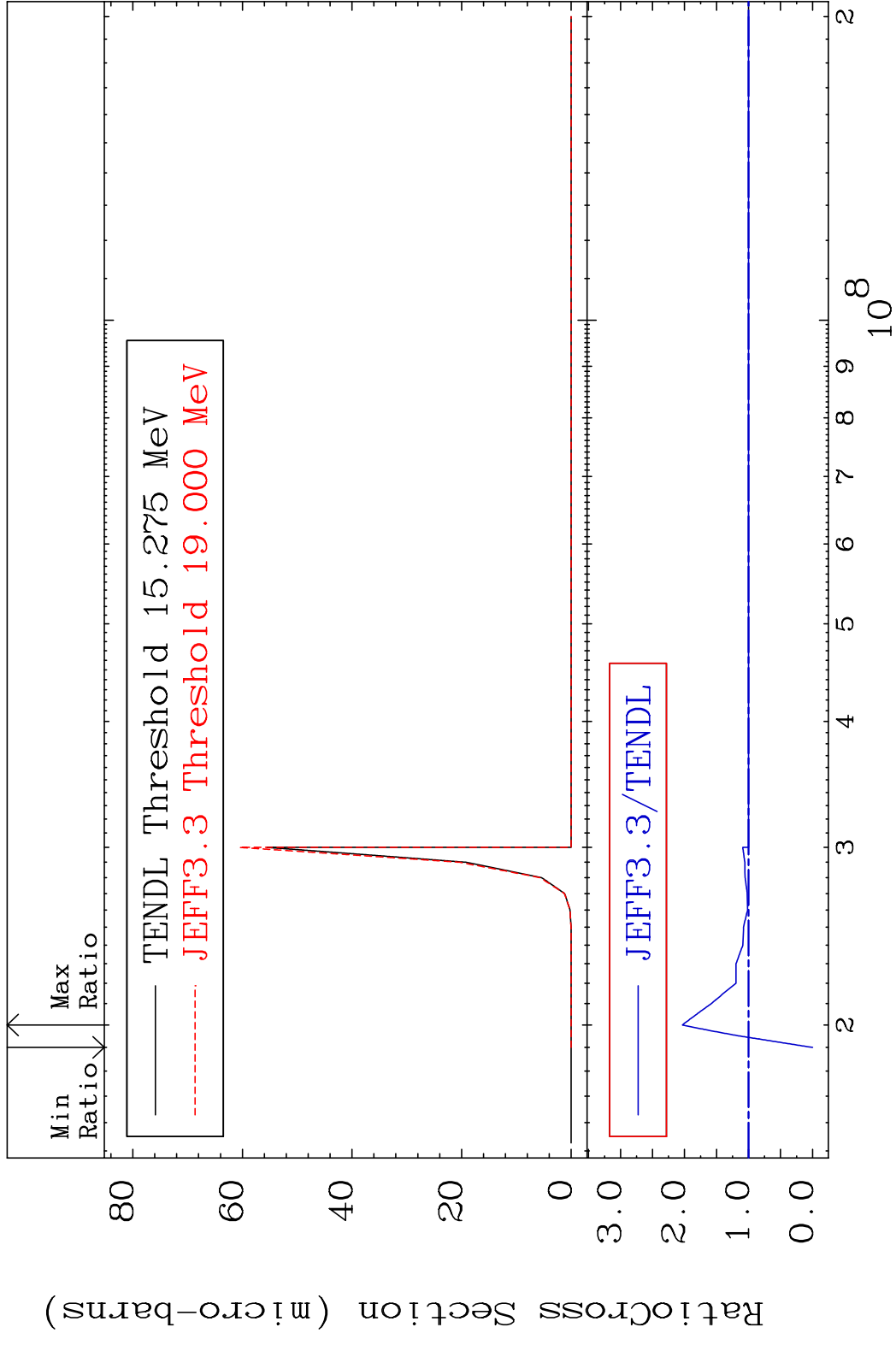


MAT 5431 (n,2n) α :52-Te-121m2 54-Xe-126
 Radionuclide Production Cross Section (%)

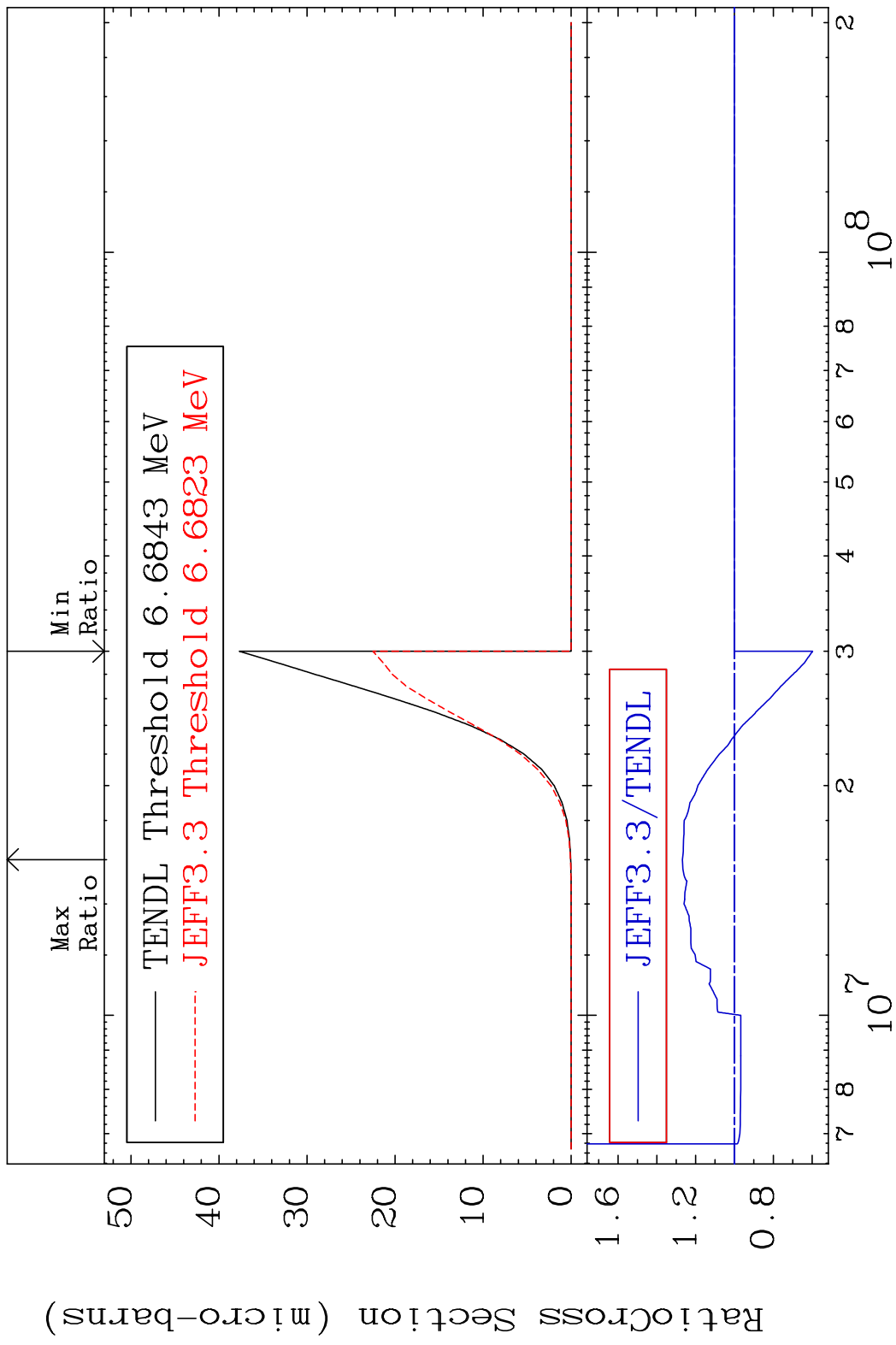


MAT 5431 (n, n') He-3:52-Te-123g 54-Xe-126
 Radionuclide Production Cross Section 98.70 dth 60.29 %





MAT 5431 (n,2p):52-Te-125g 54-Xe-126
 Radionuclide Production Cross Section 48.26 mb 26.88 %



MAT 5431 (n, 2p): 52-Te-125m2 54-Xe-126
 Radionuclide Production Cross Section 35.50 %

