

Program Complot
(Version 2021-1)

by

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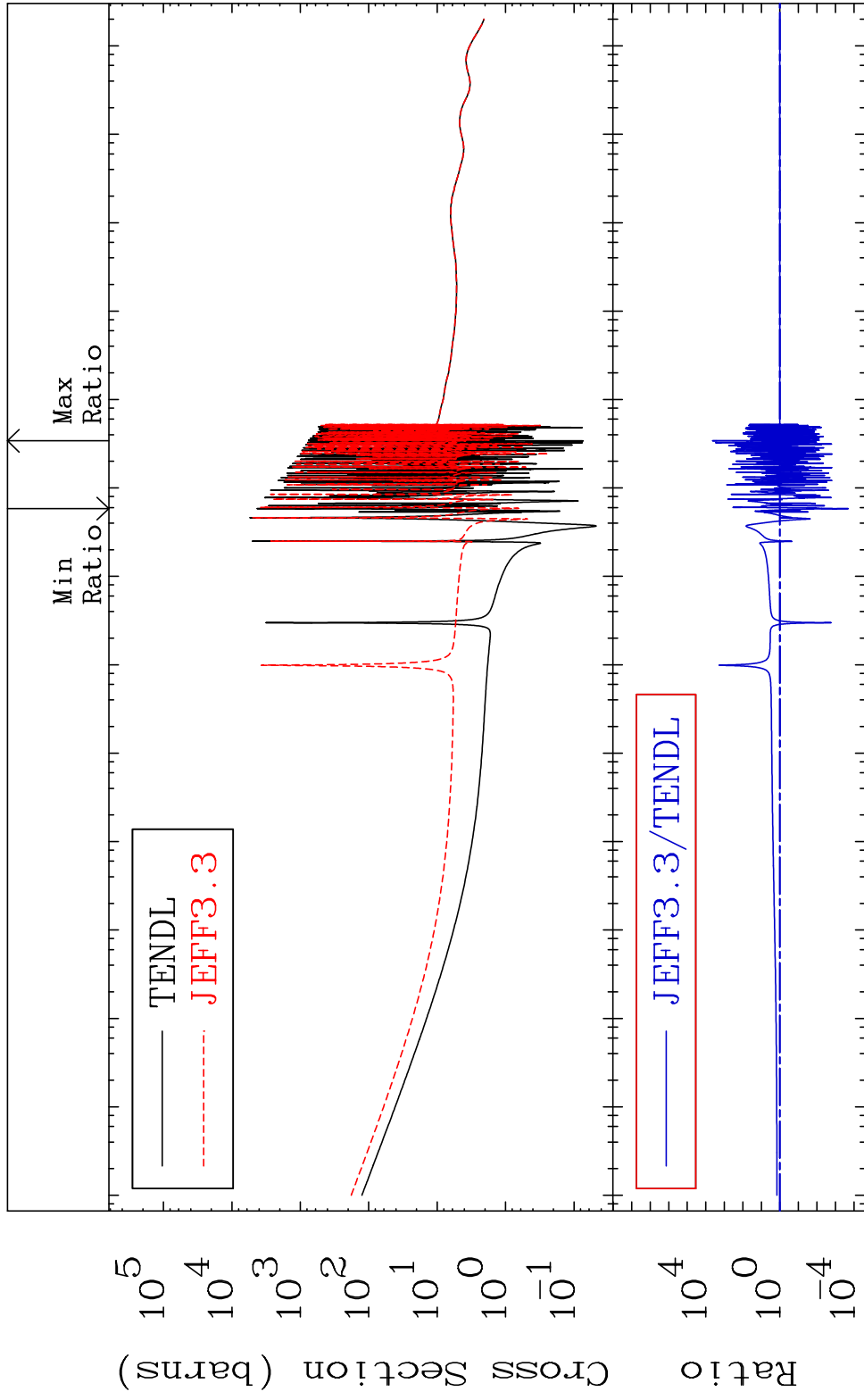
Press Mouse Button to Start

MAT 5431

Total

54-Xe-126

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

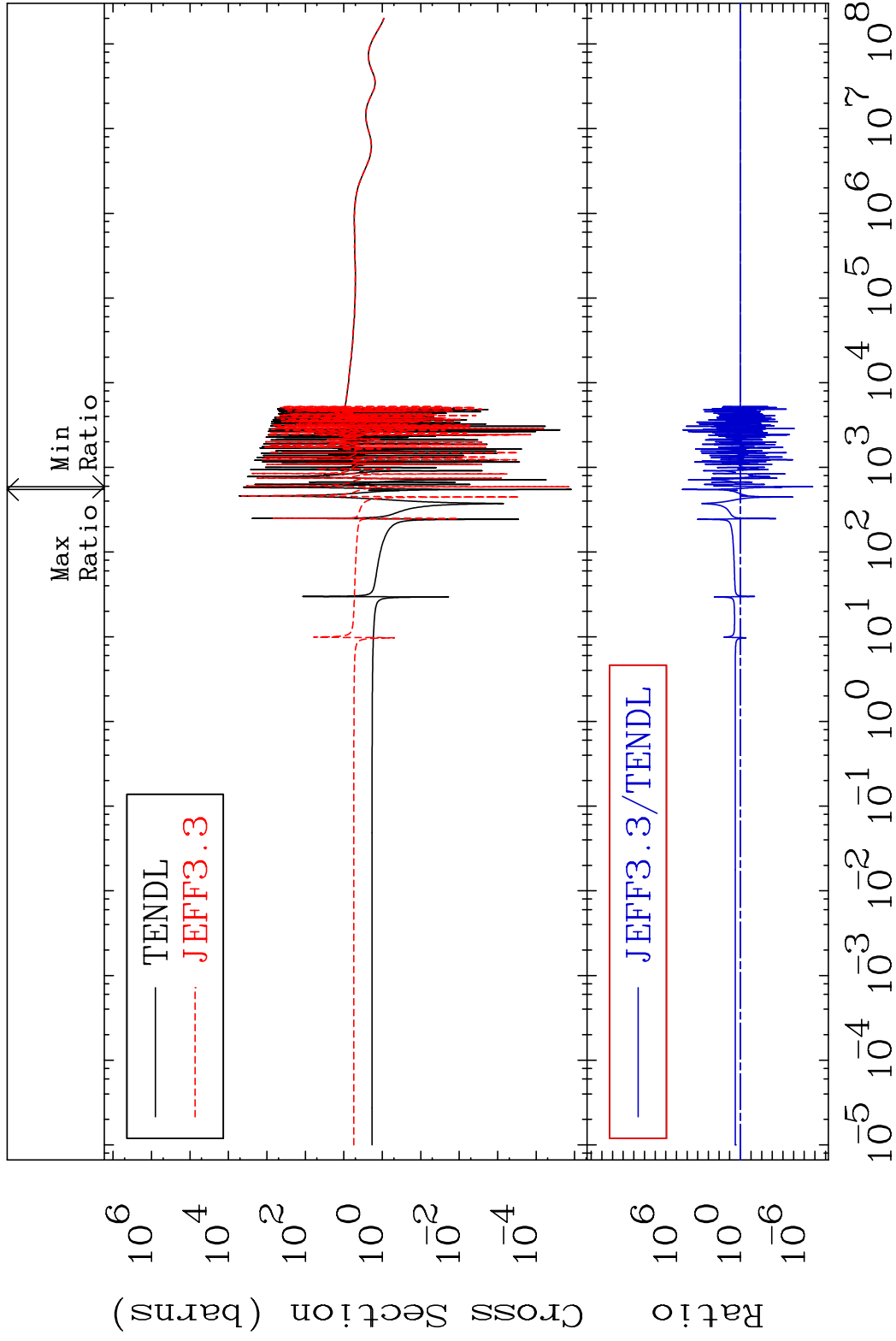
54-Xe-126

MAT 5431

Elastic

54-Xe-126

Cross Section -100.0 To 9999. %



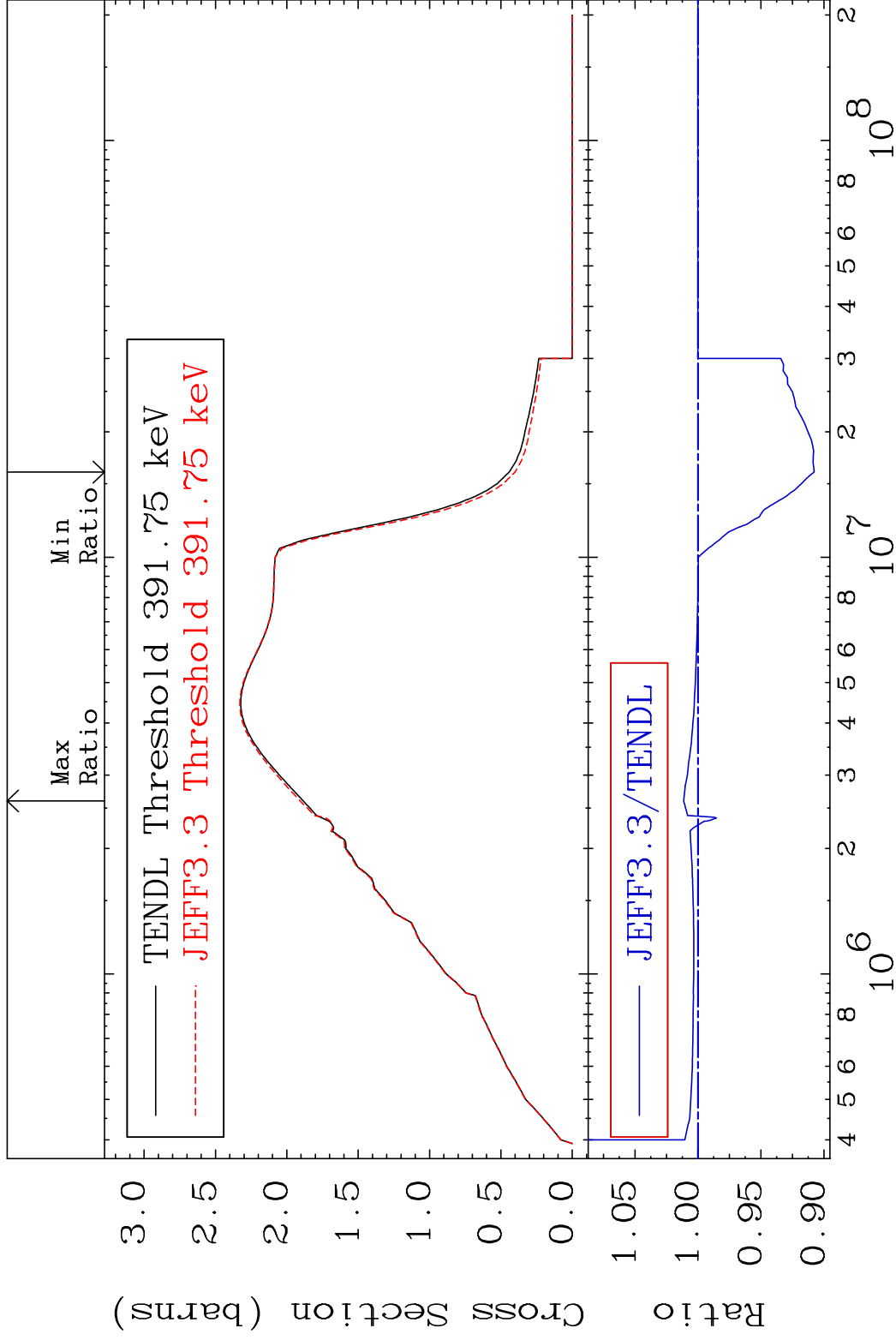
2

Incident Energy (eV)

54-Xe-126

MAT 5431

Inelastic
Cross Section -9.216 To 1.136 %
54-Xe-126

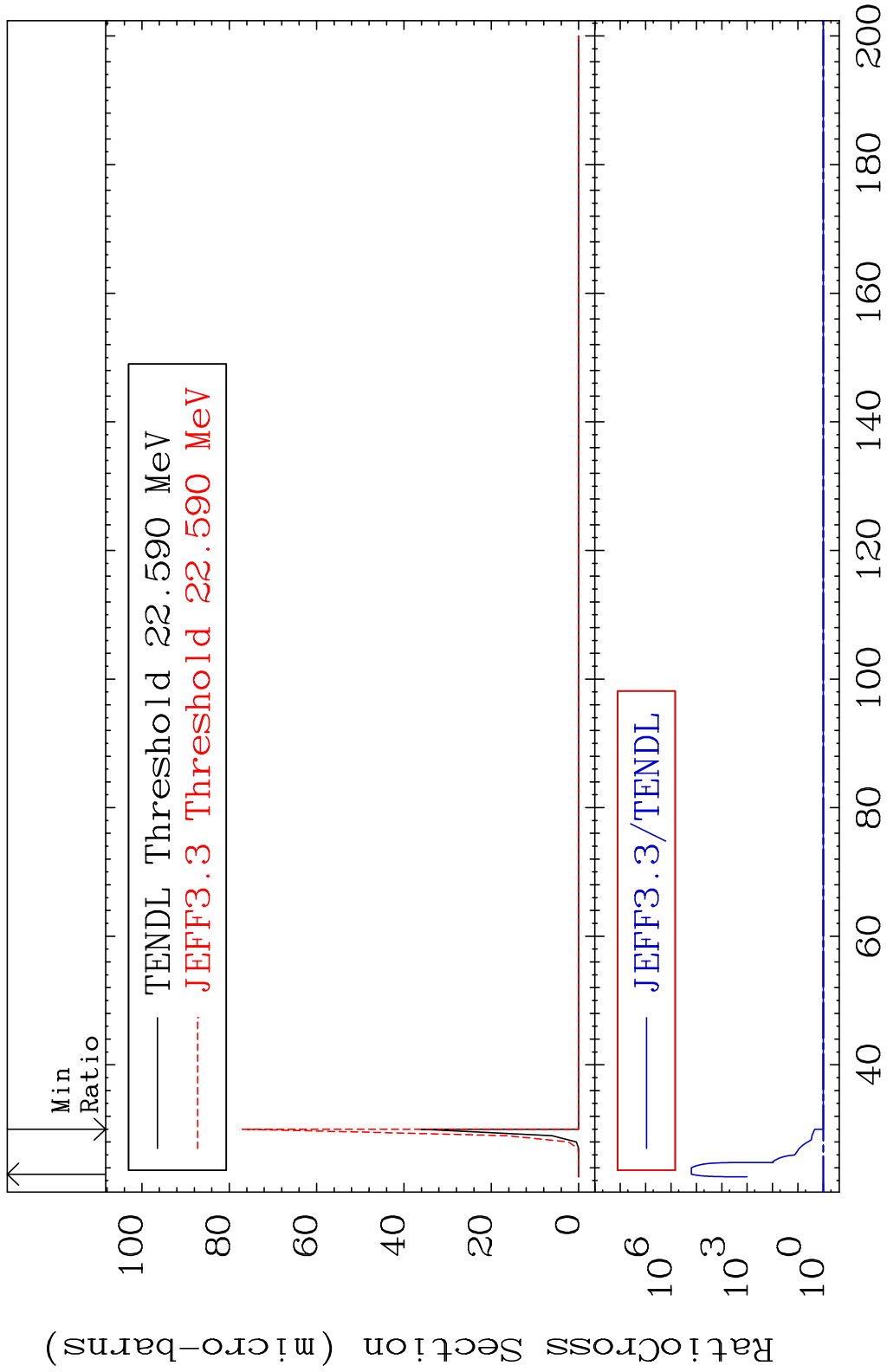


3

Incident Energy (eV)

54-Xe-126

MAT 5431 (n,2n) d 54-Xe-126
 Cross Section 0.000 To 9999. %

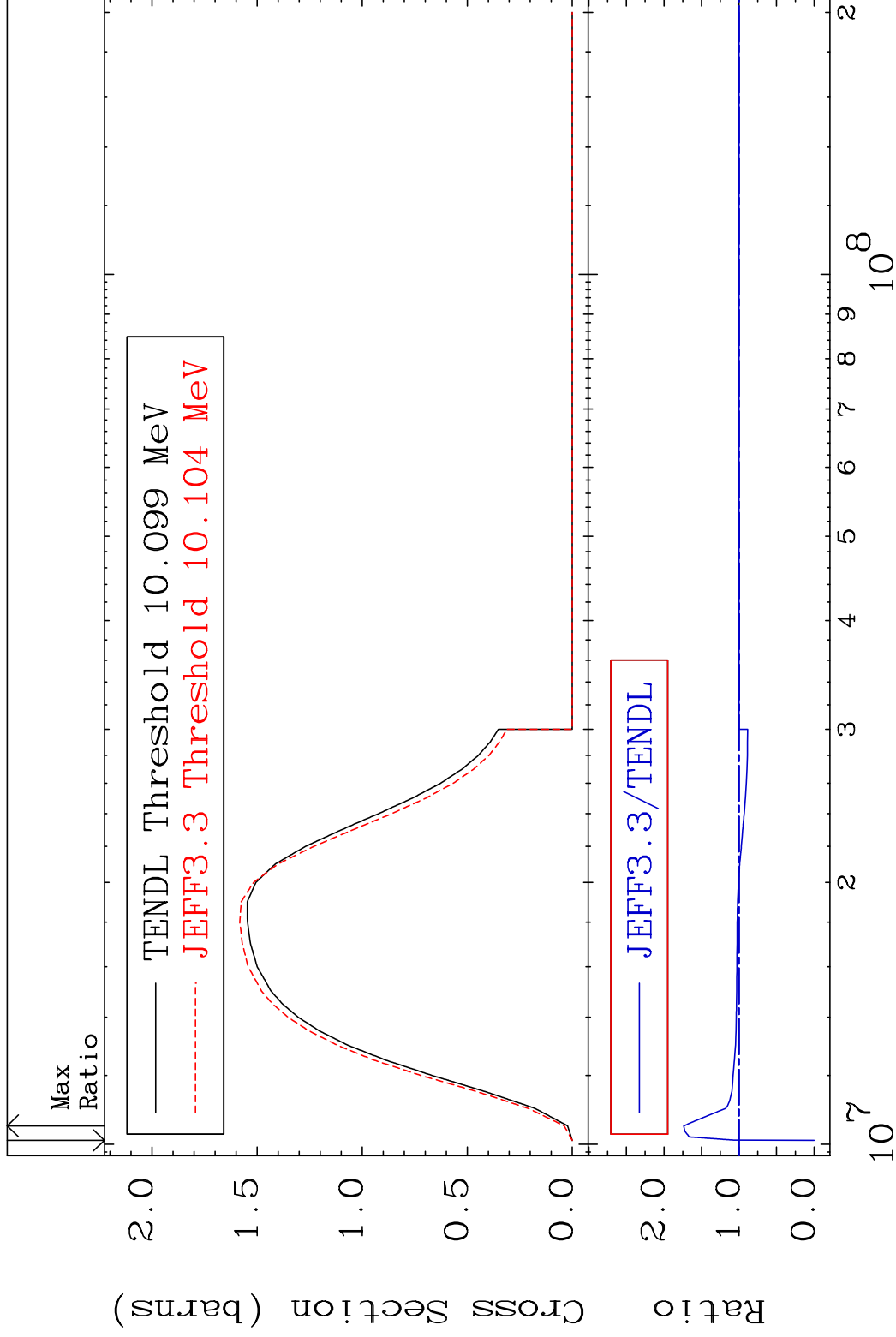


MAT 5431

(n,2n)

54-Xe-126

Cross Section -100.0 To 73.76 %



5

Incident Energy (eV)

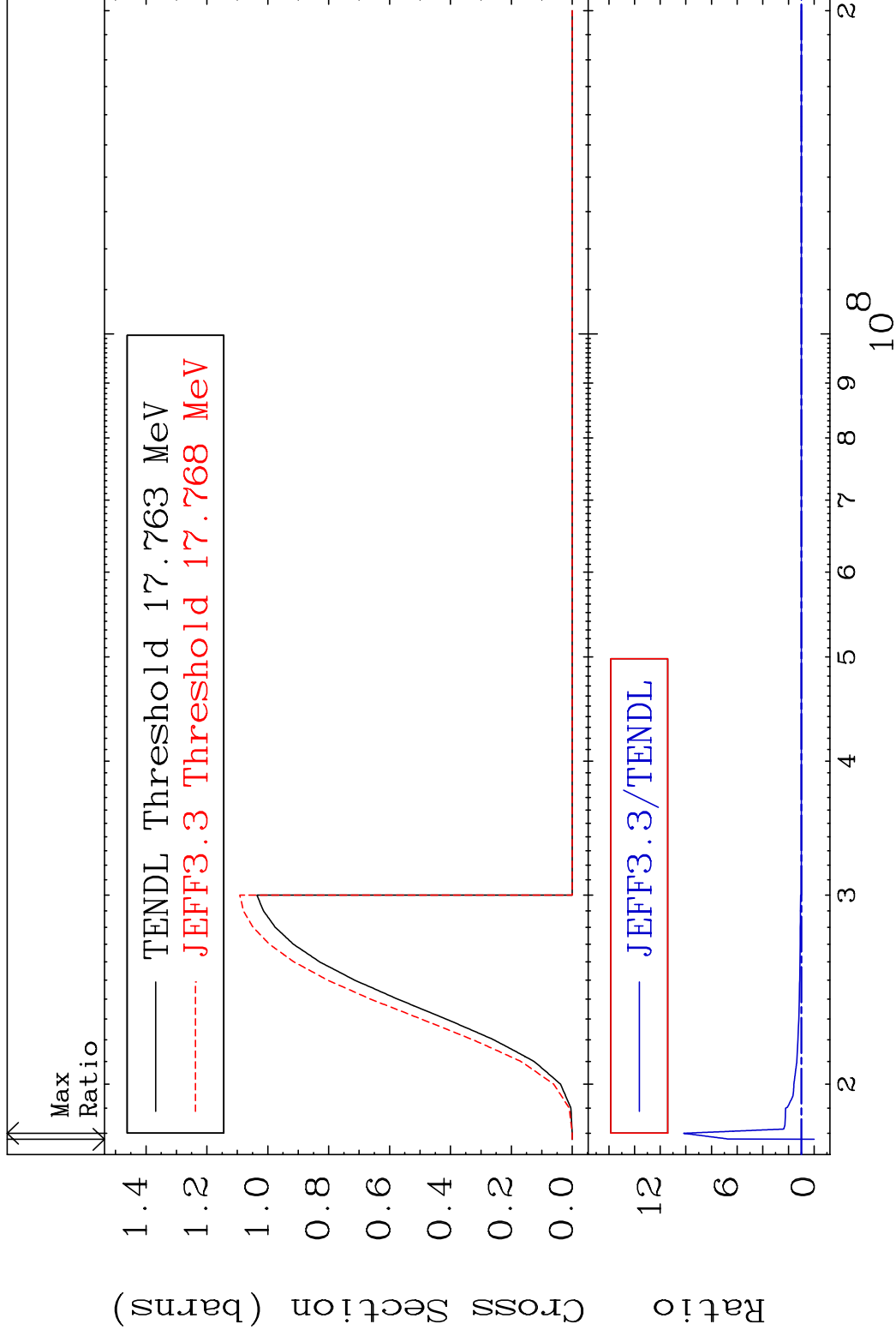
54-Xe-126

MAT 5431

(n,3n)

54-Xe-126

Cross Section -100.0 To 917.2 %



6

Incident Energy (eV)

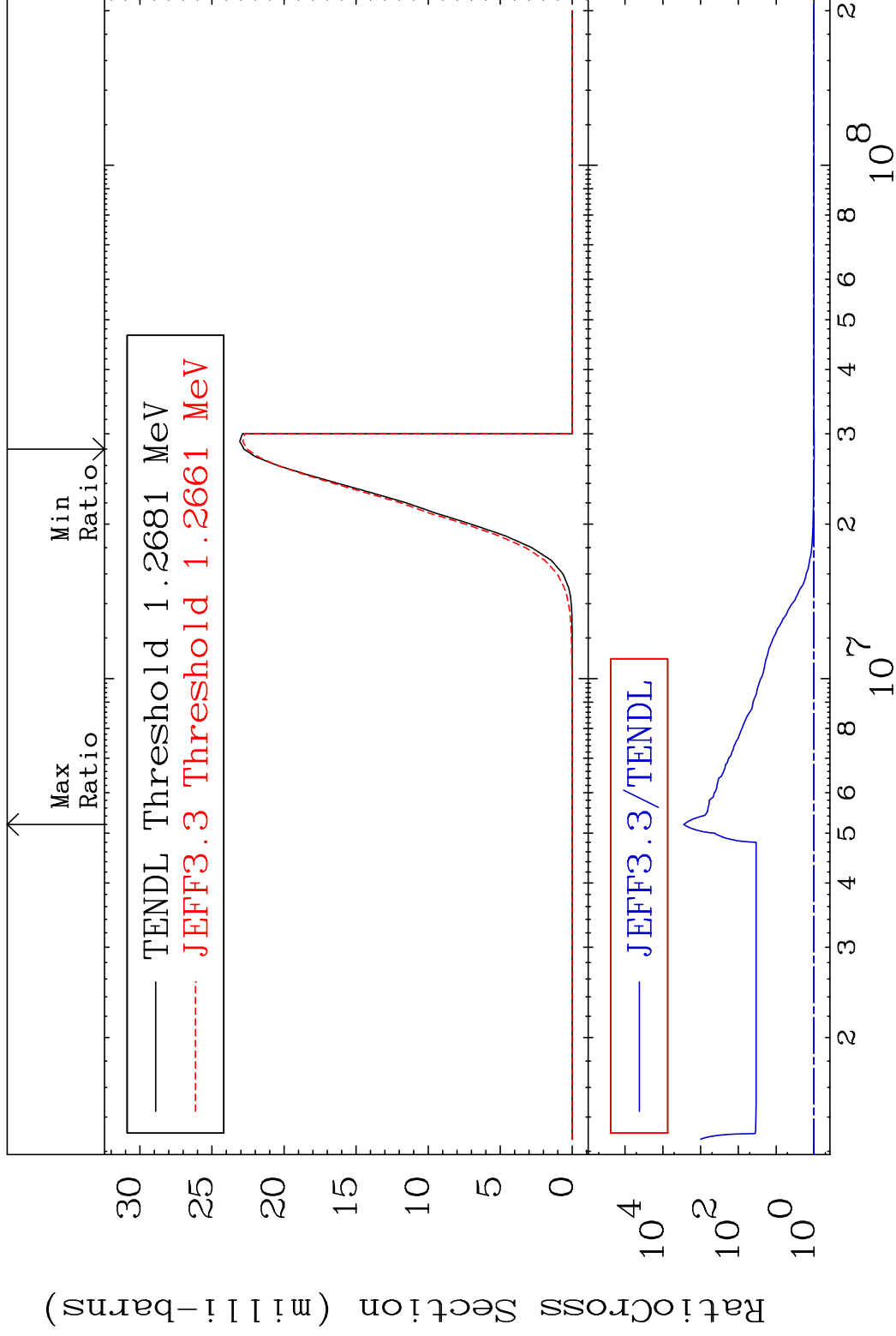
54-Xe-126

MAT 5431

(n, n') α

54-Xe-126

Cross Section -0.962 To 9999. %



7

Incident Energy (eV)

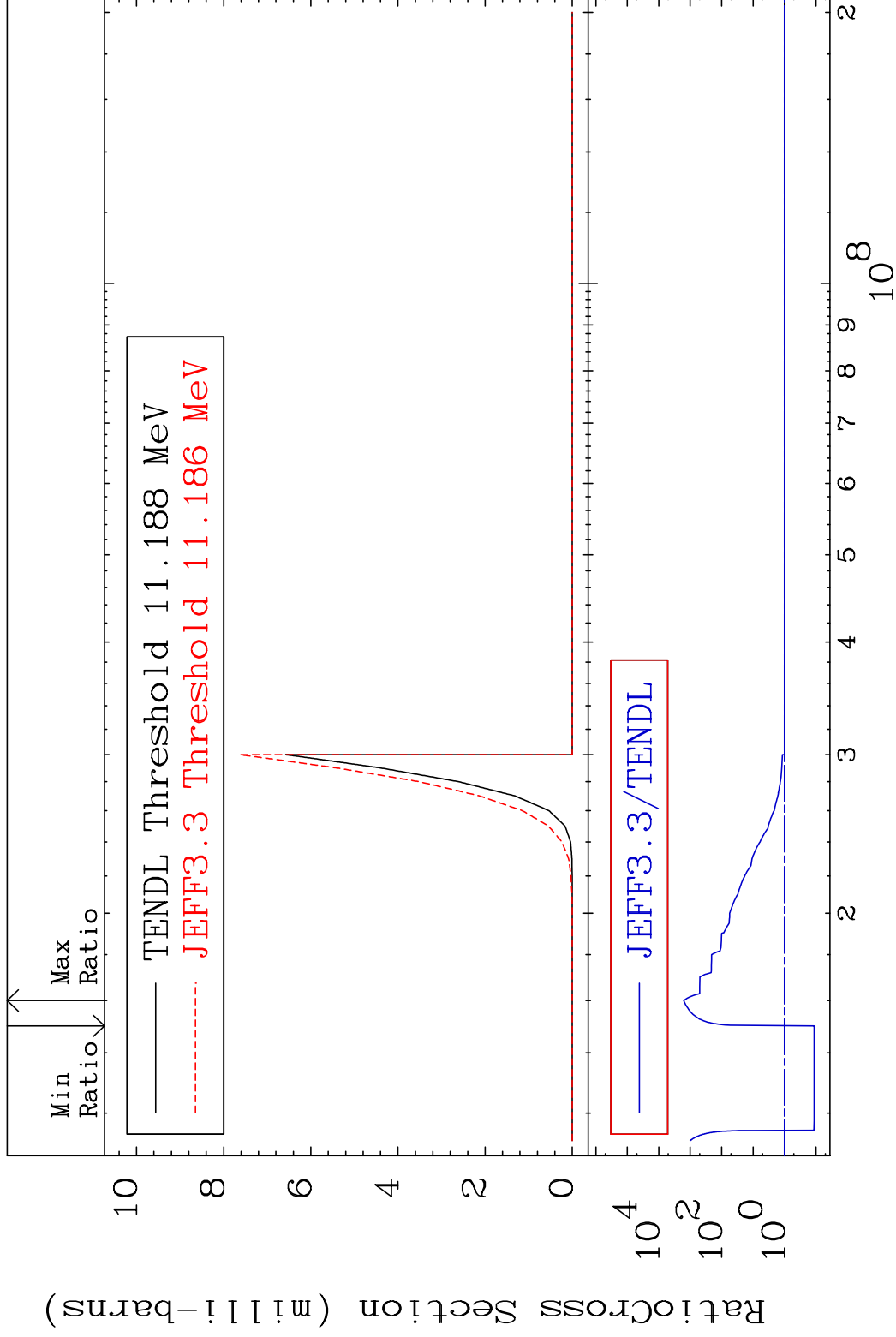
54-Xe-126

MAT 5431

(n,2n) α

54-Xe-126

Cross Section -88.62 To 9999. %

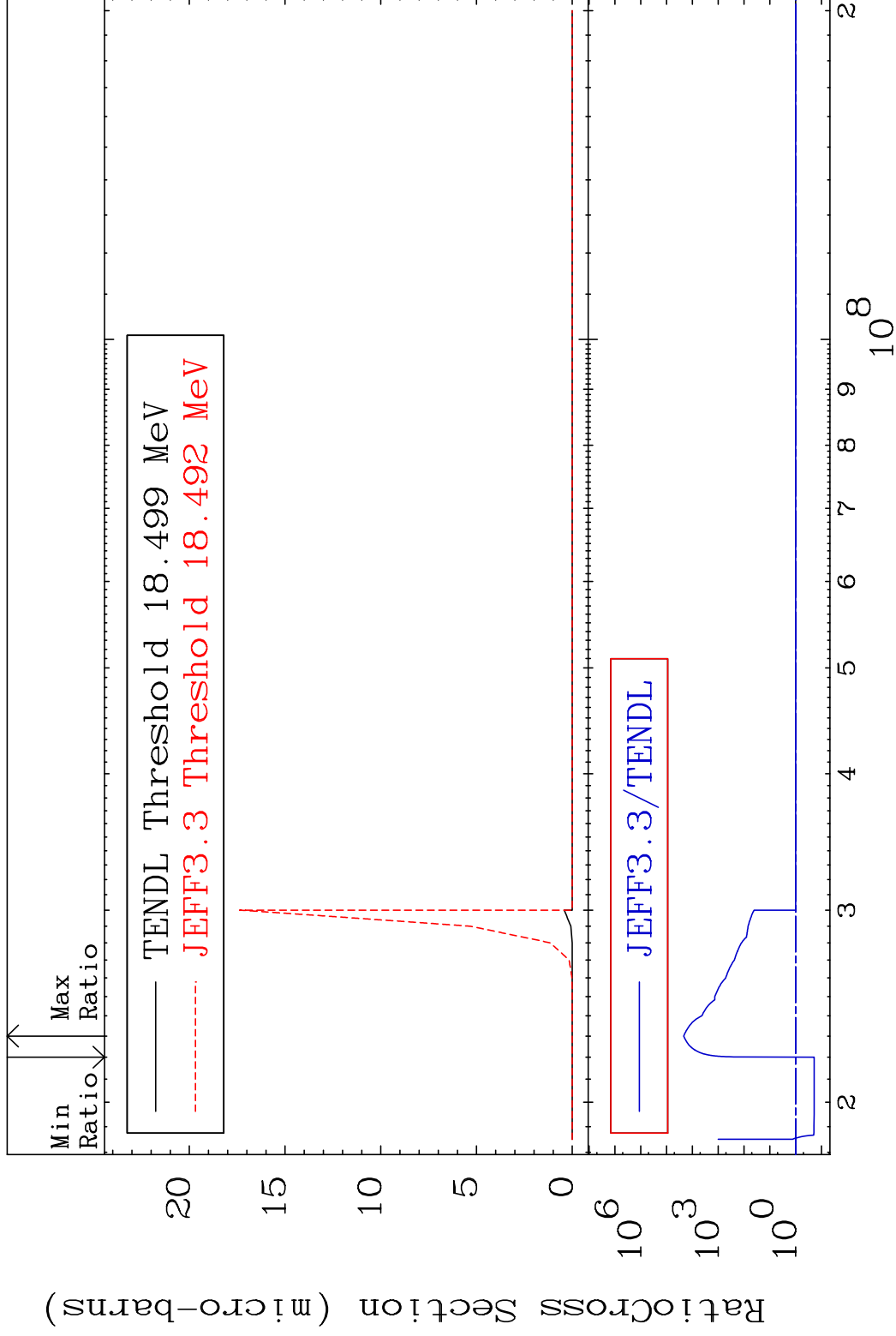


MAT 5431

(n,3n) α

54-Xe-126

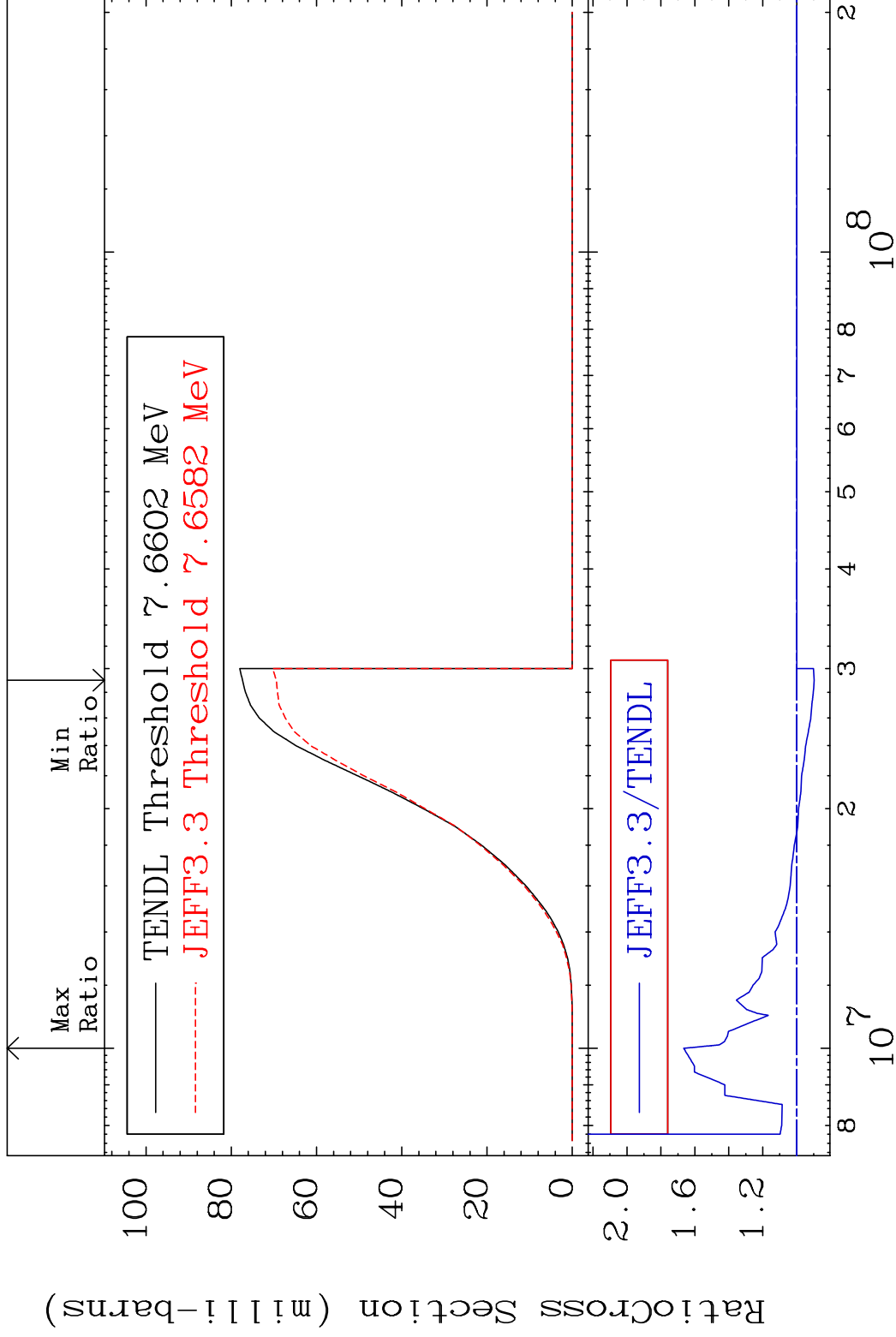
Cross Section -80.73 To 9999. %



MAT 5431

(n, n') p 54-Xe-126

Cross Section -10.26 To 66.59 %



10

Incident Energy (eV)

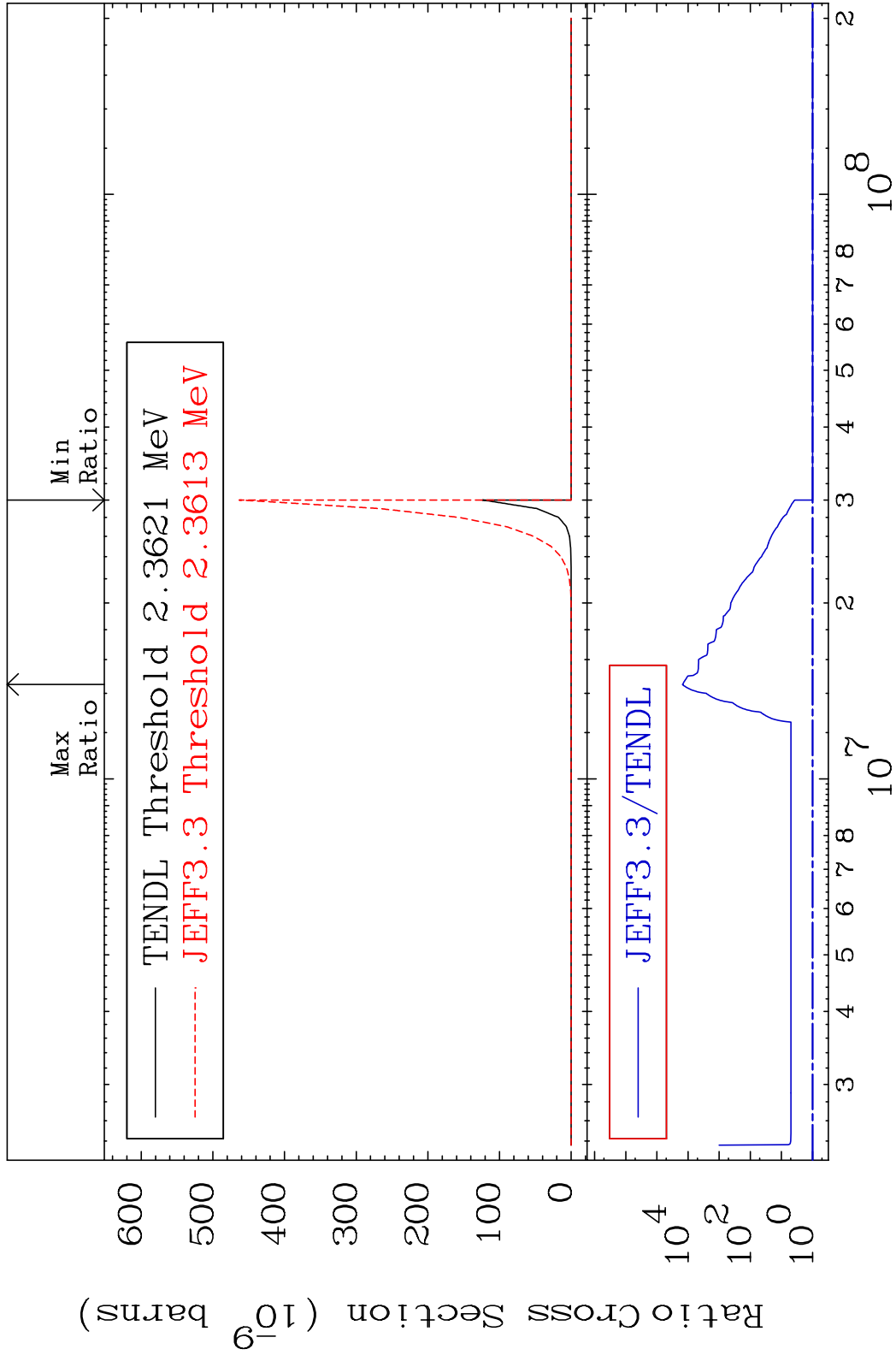
54-Xe-126

MAT 5431

(n, n') 2α

54-Xe-126

Cross Section 0.000 To 9999. %

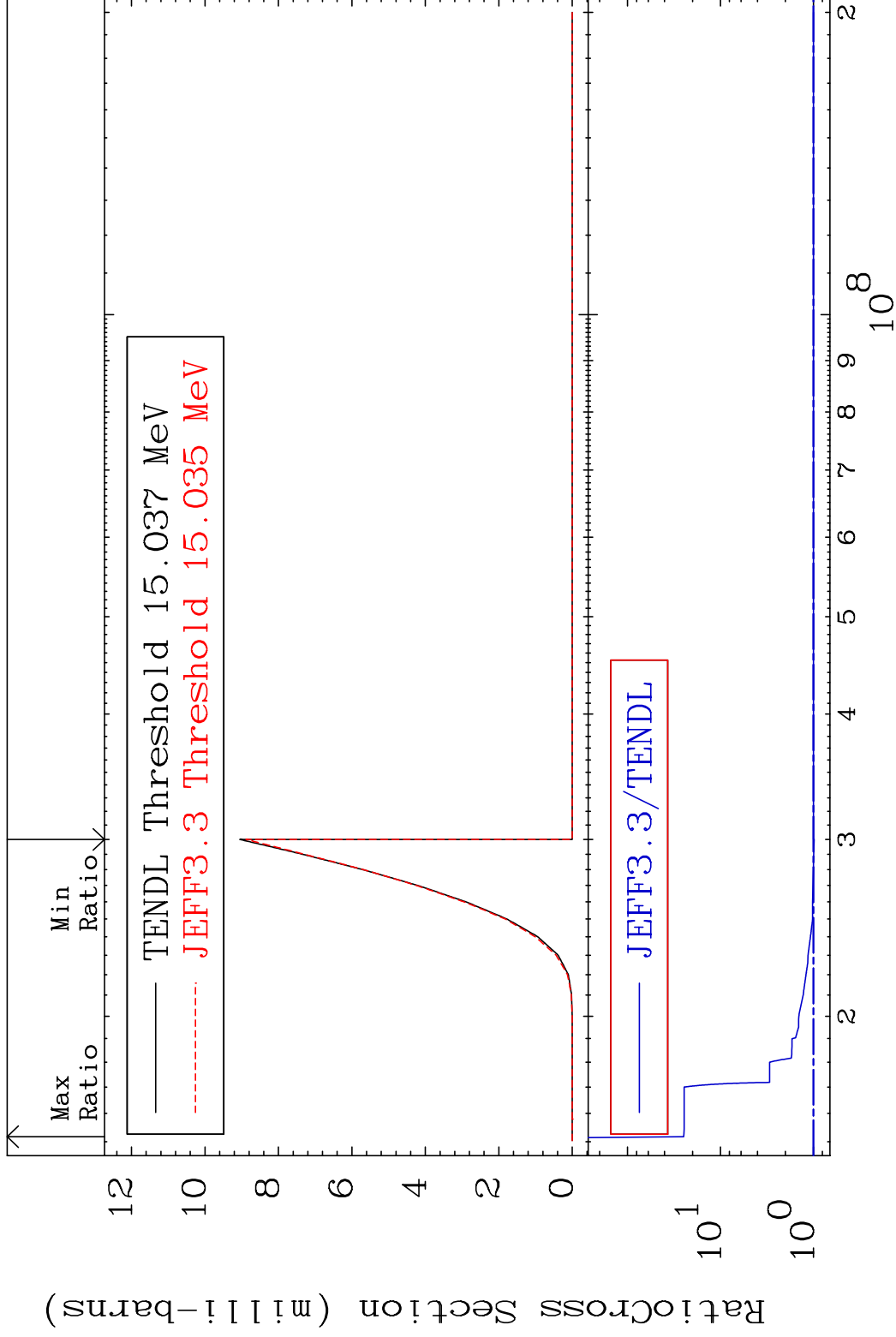


MAT 5431

(n, n') d

54-Xe-126

Cross Section -1.832 To 2391. %



12

Incident Energy (eV)

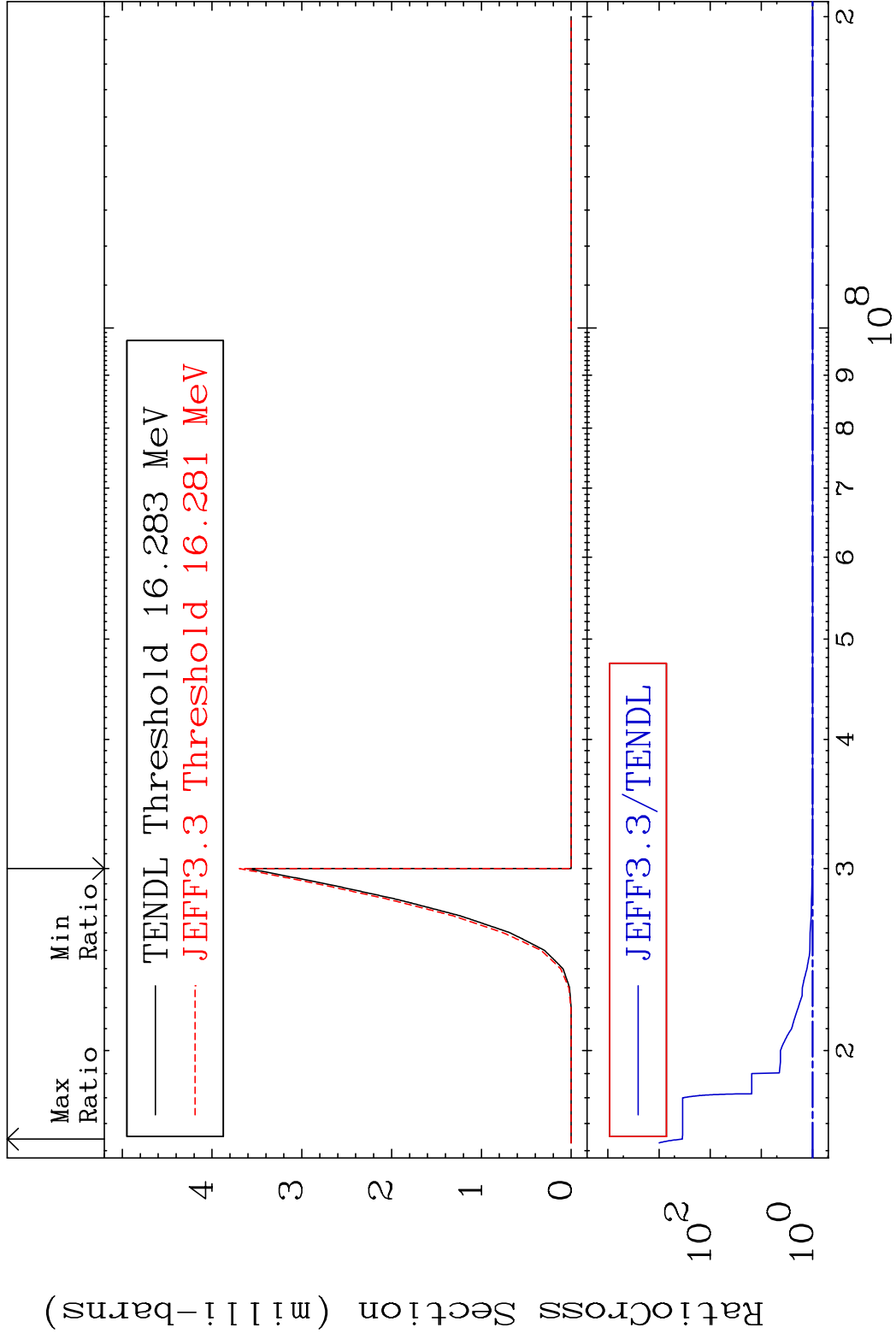
54-Xe-126

MAT 5431

(n, n') t

54-Xe-126

Cross Section 0.000 To 9999. %



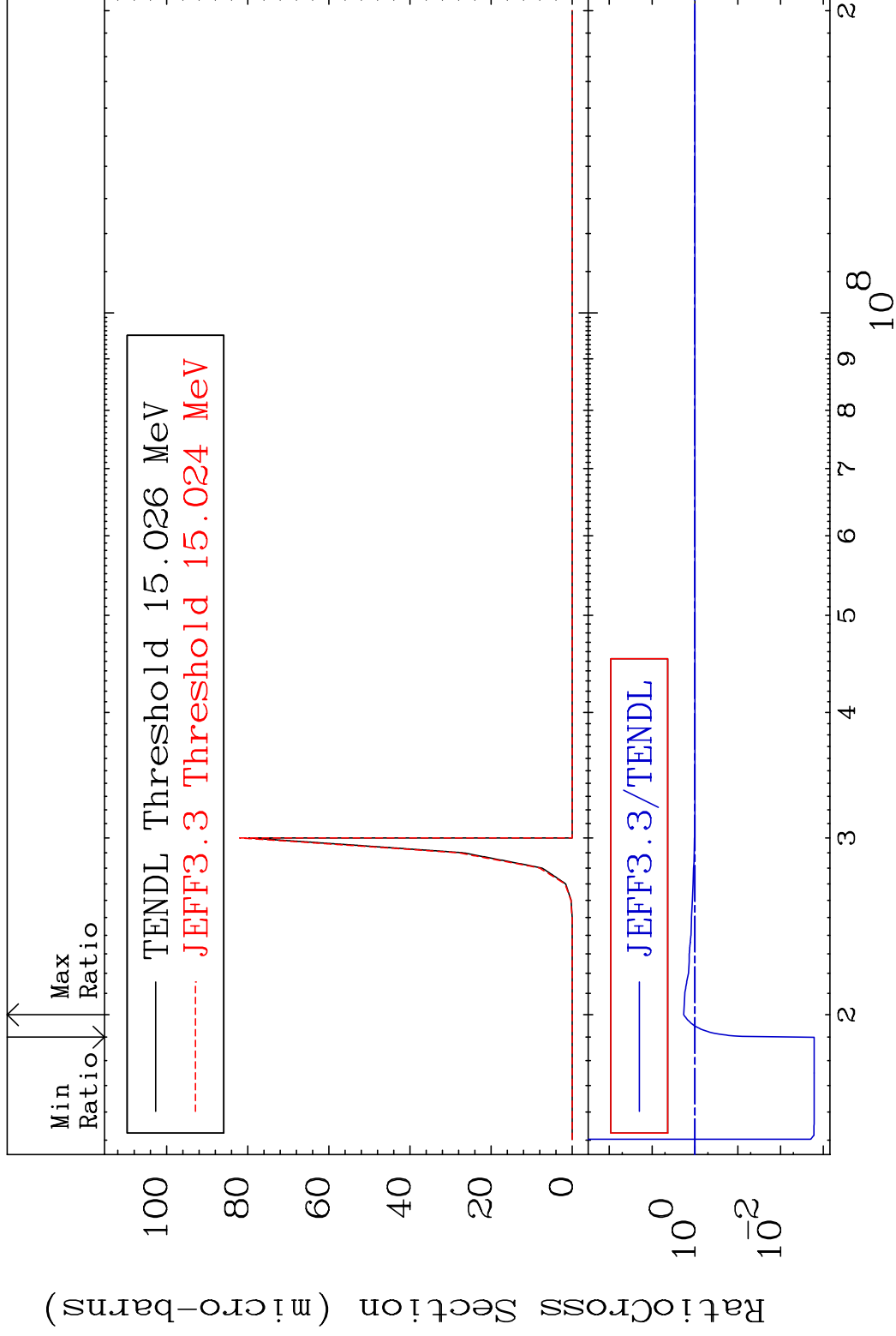
MAT 5431

(n,n') He-3

54-Xe-126

Cross Section

-99.84 To 83.33 %

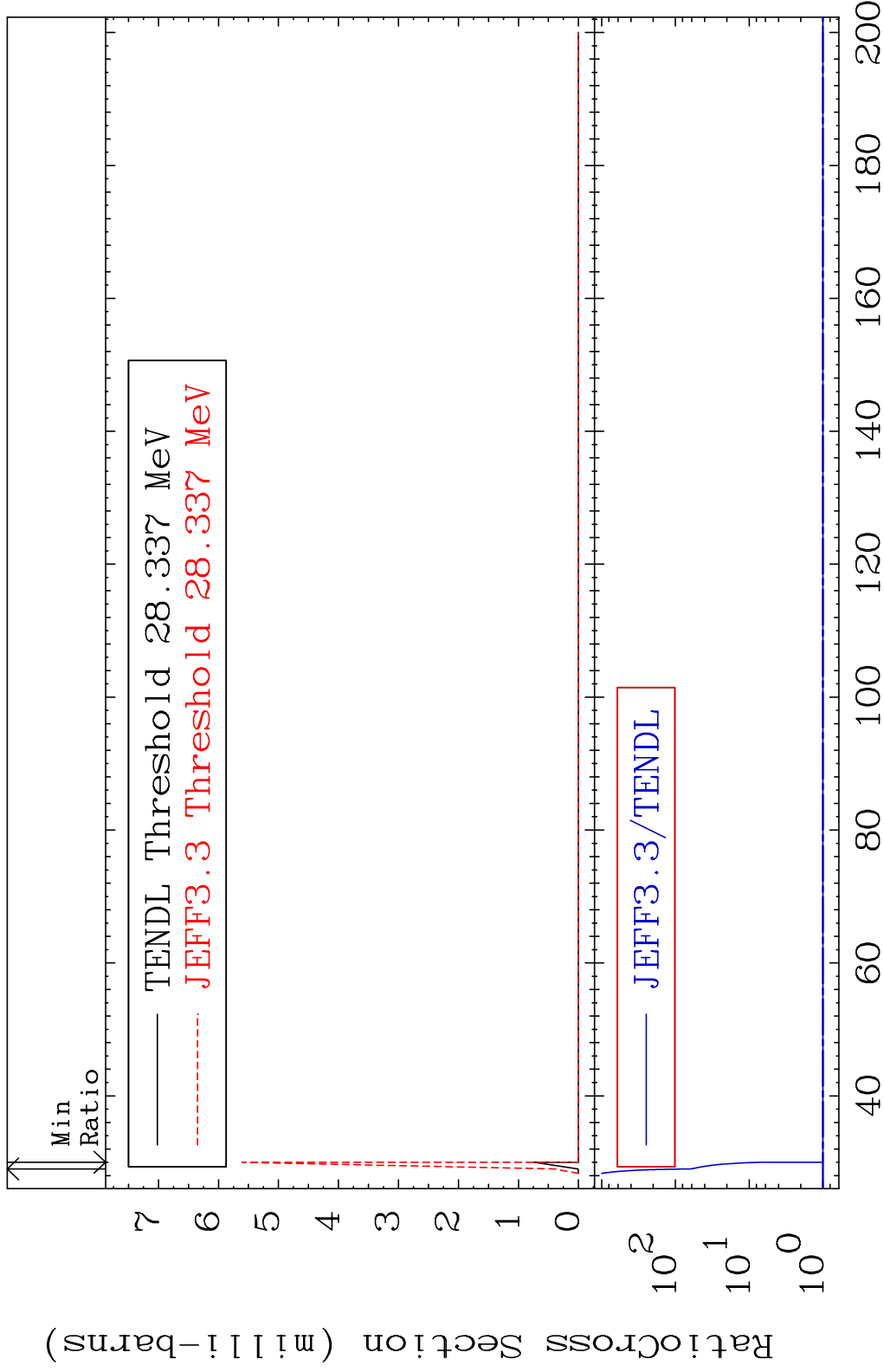


MAT 5431

(n,4n)

54-Xe-126

Cross Section 0.000 To 6046. %

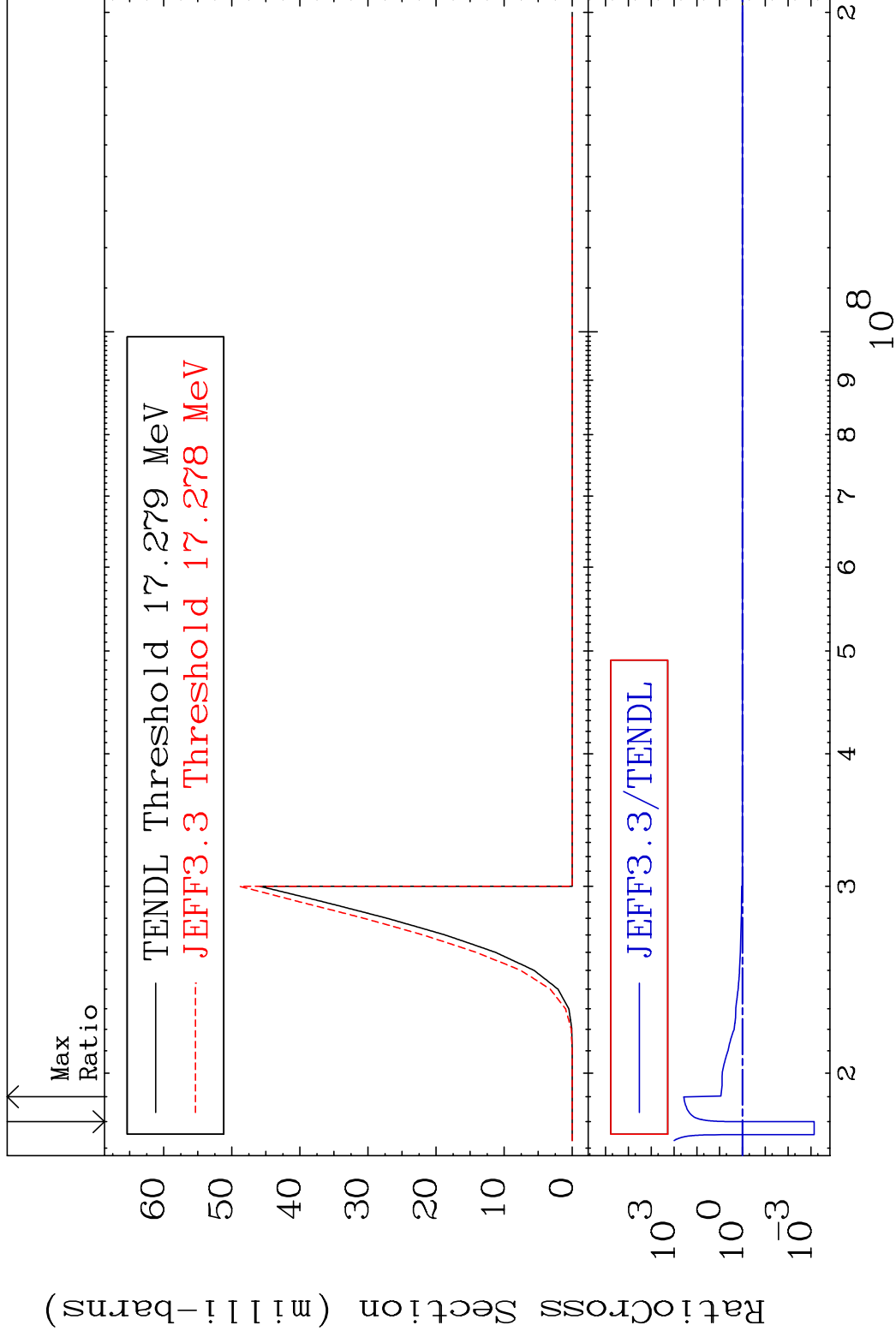


MAT 5431

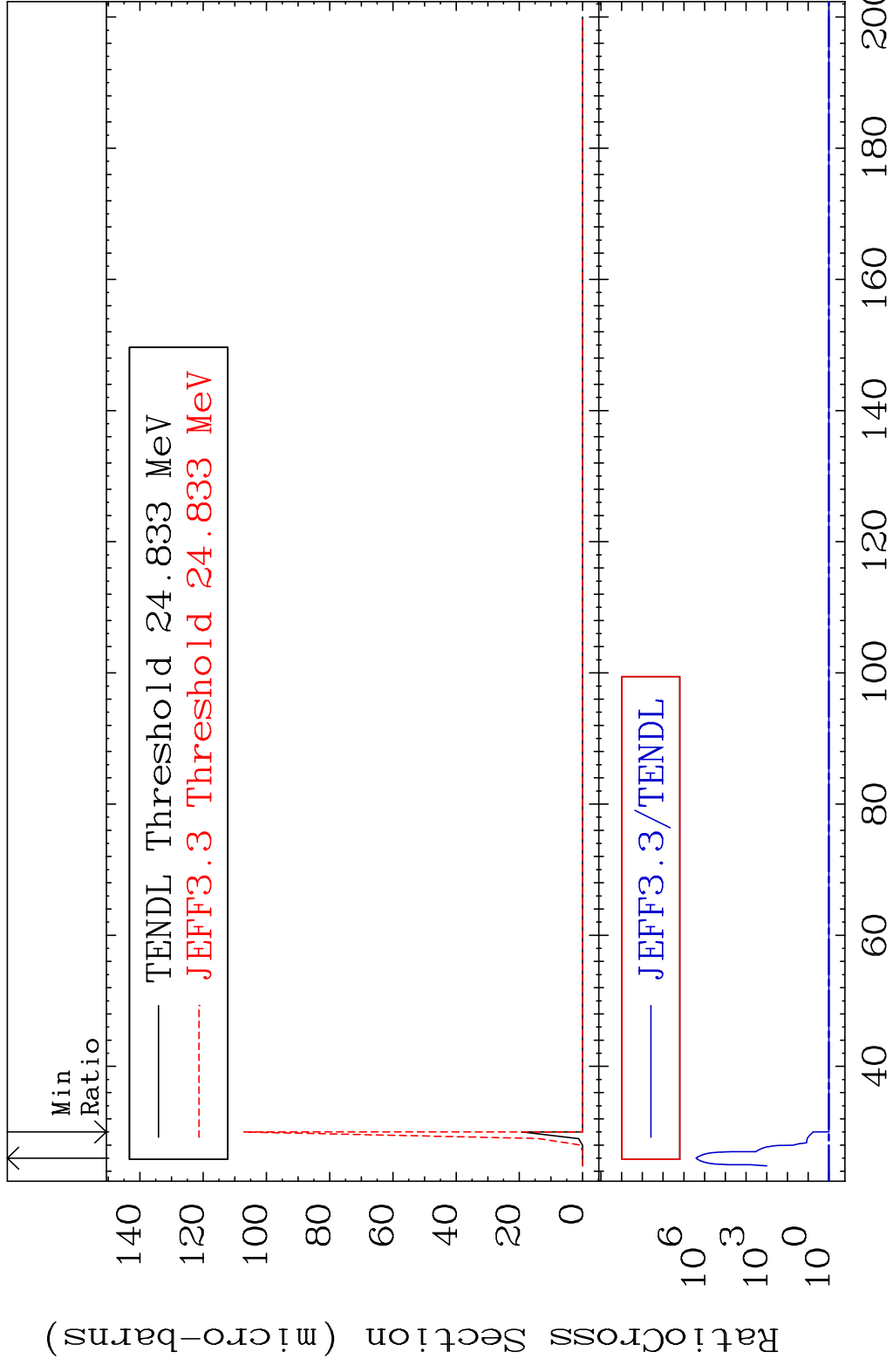
(n,2n) p

54-Xe-126

Cross Section -99.93 To 9999. %



MAT 5431 (n,3n) p 54-Xe-126
 Cross Section 0.000 To 9999. %

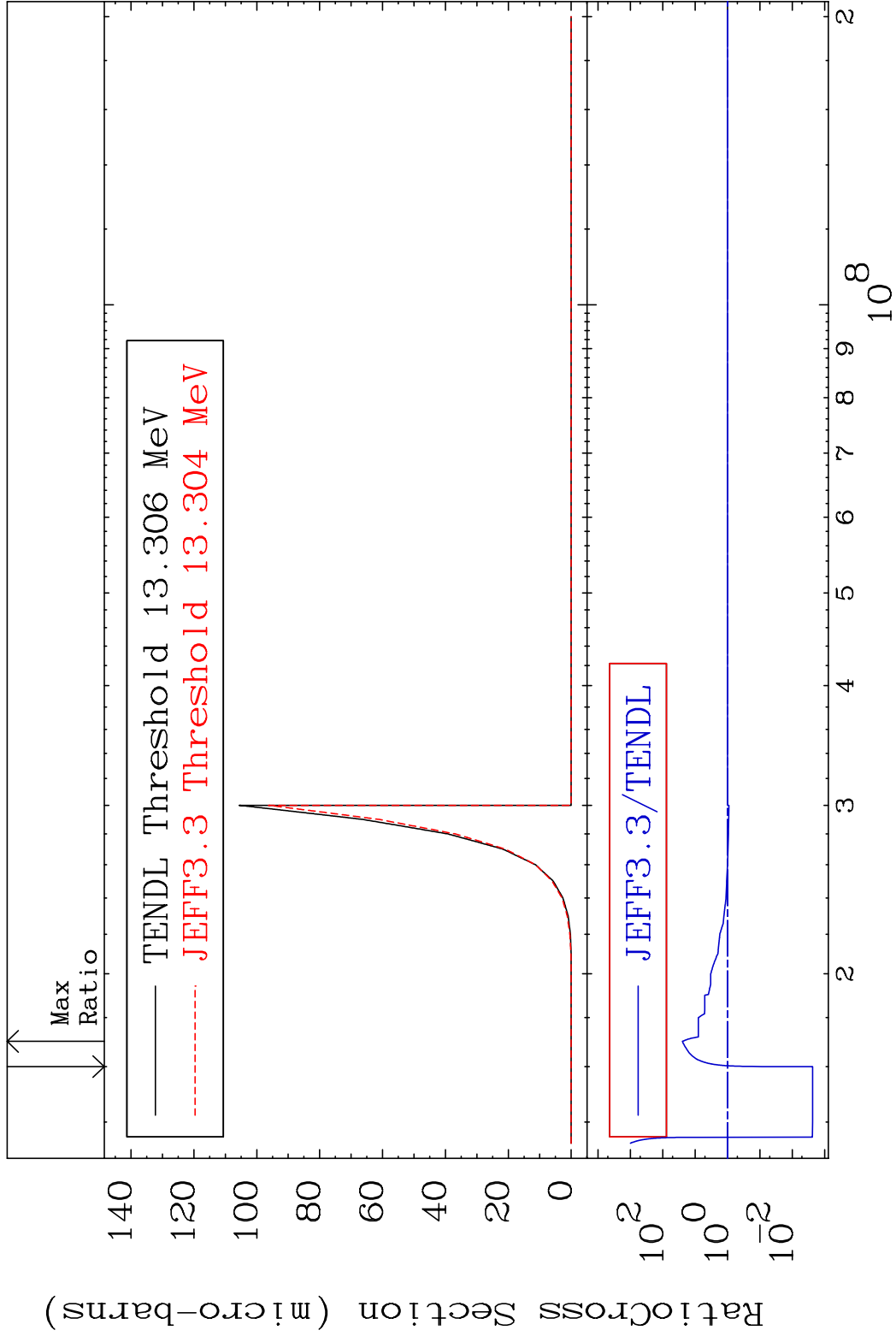


MAT 5431

(n,2n) p

54-Xe-126

Cross Section -99.76 To 2382. %

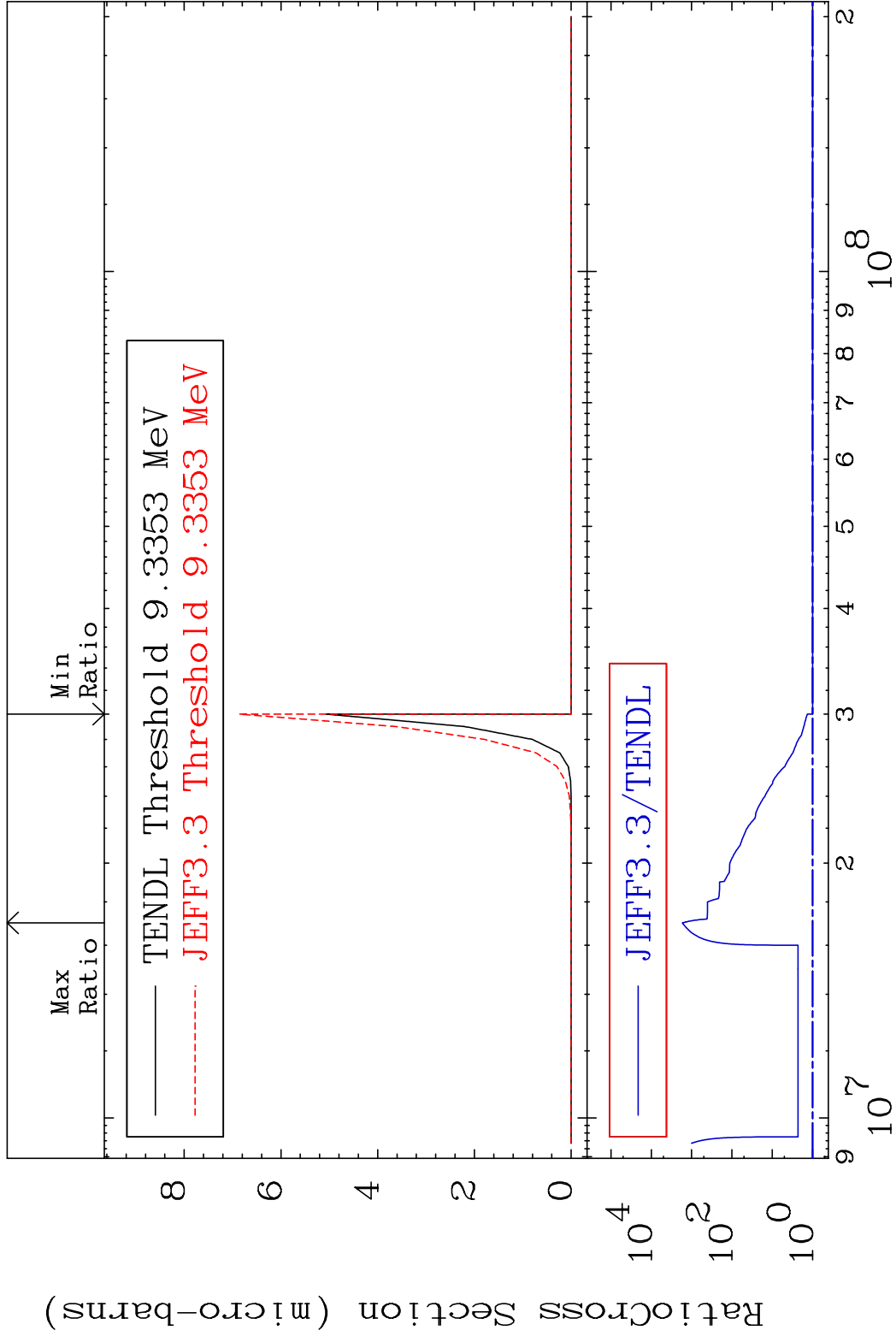


MAT 5431

(n, n') p α

54-Xe-126

Cross Section 0.000 To 9999. %



19

Incident Energy (eV)

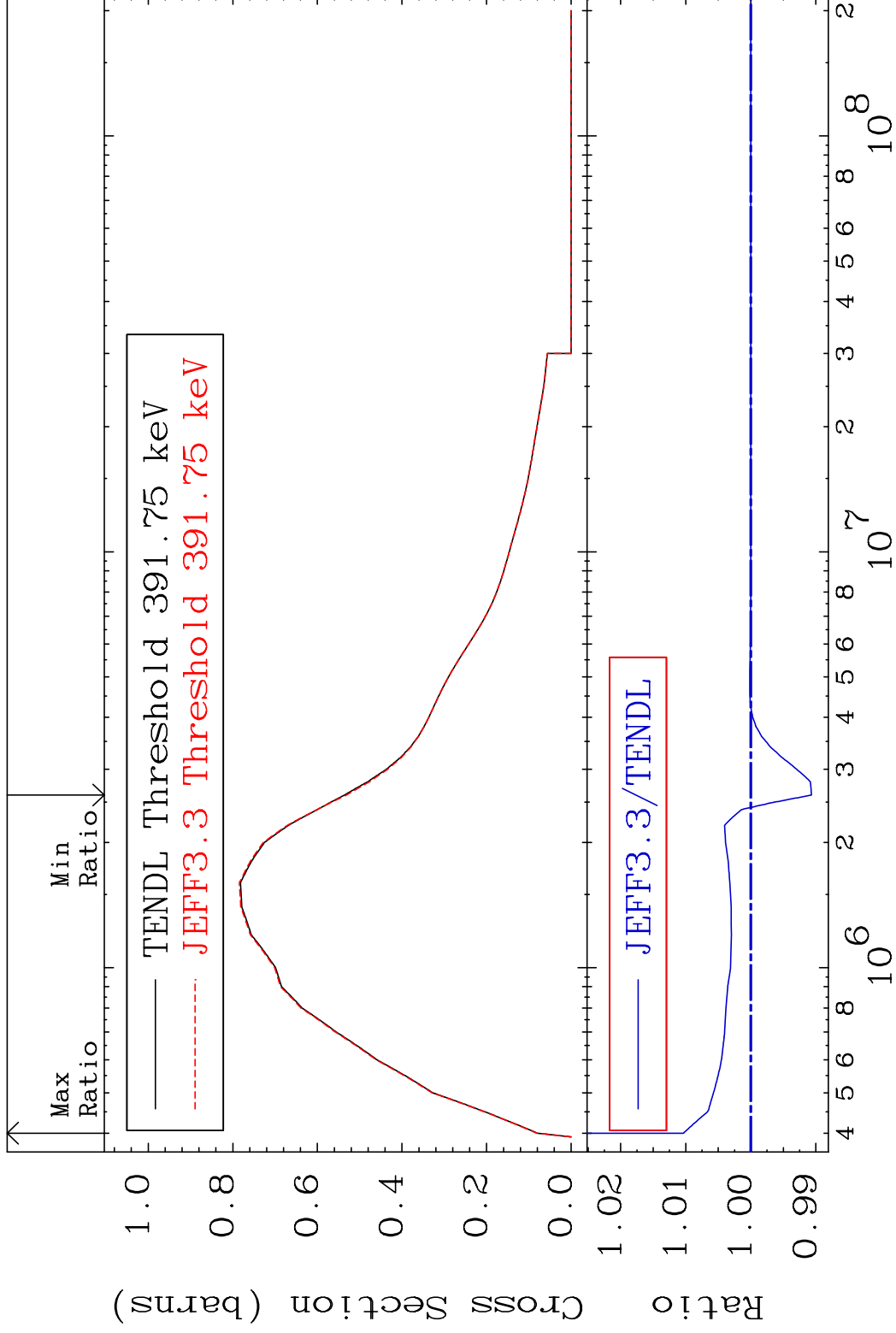
54-Xe-126

MAT 5431

MT= 51 (n,n') Level

54-Xe-126

Cross Section -0.933 To 1.035 %



20

Incident Energy (eV)

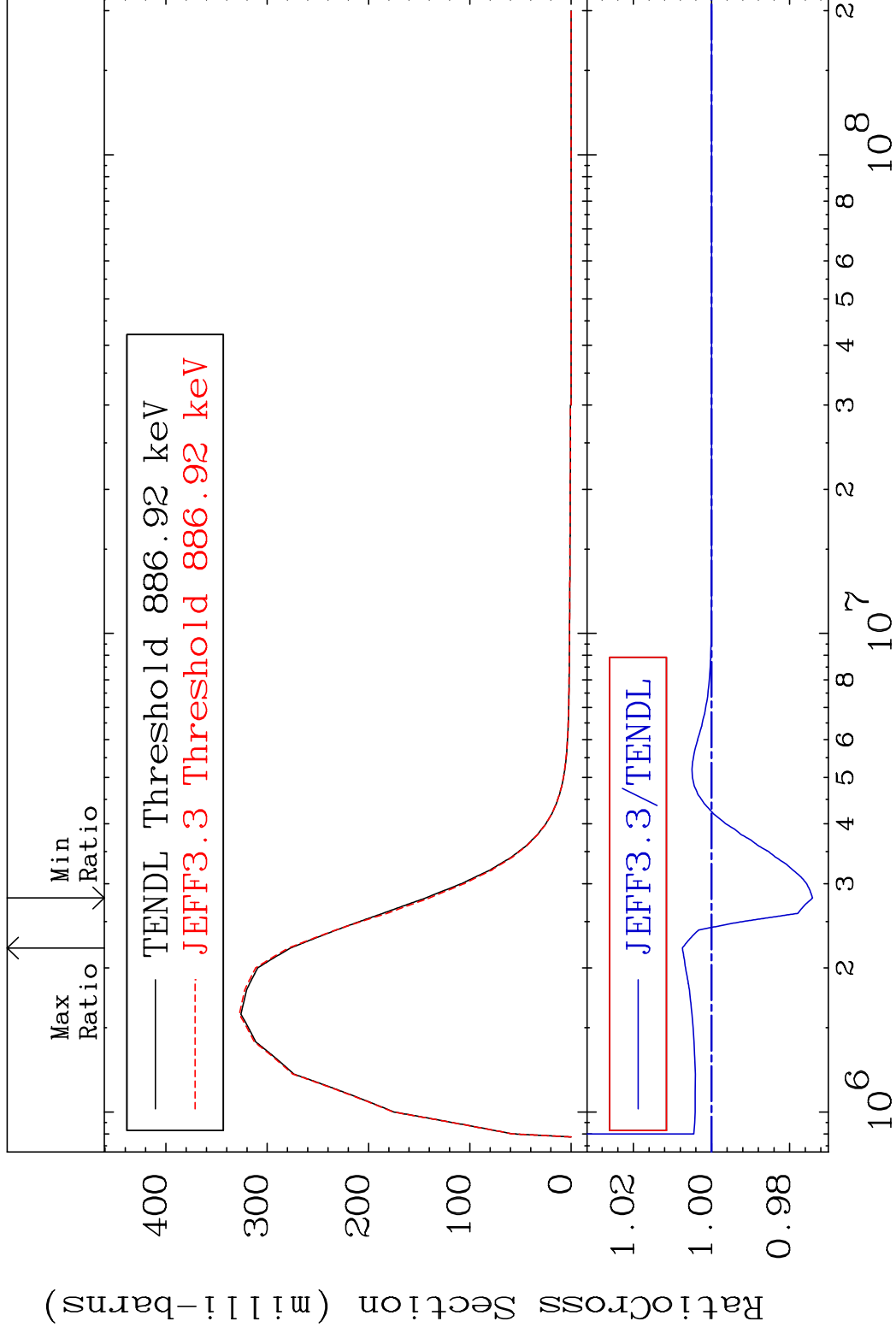
54-Xe-126

MAT 5431

MT= 52 (n, n') Level

54-Xe-126

Cross Section -2.587 To 0.747 %

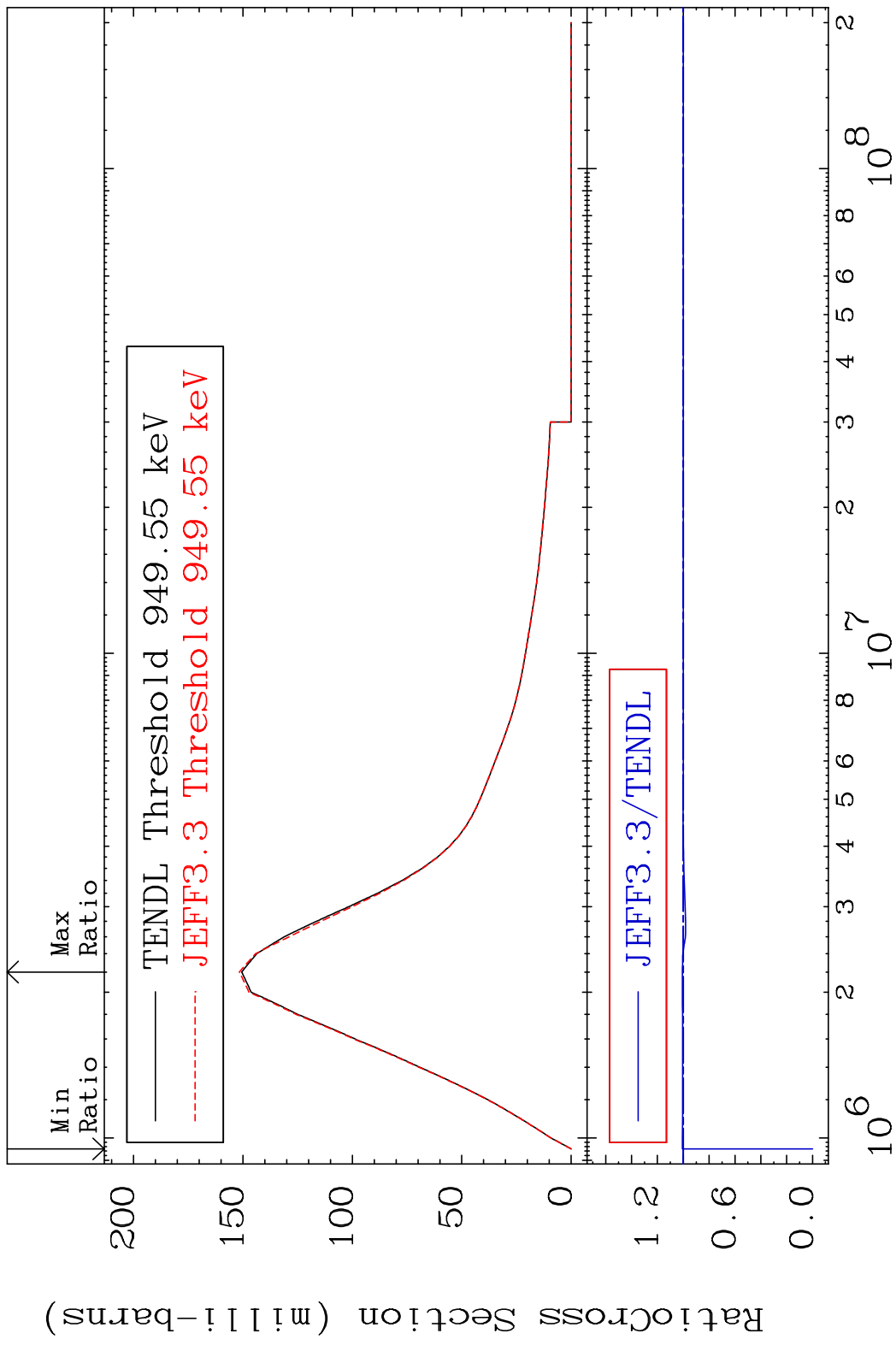


21

Incident Energy (eV)

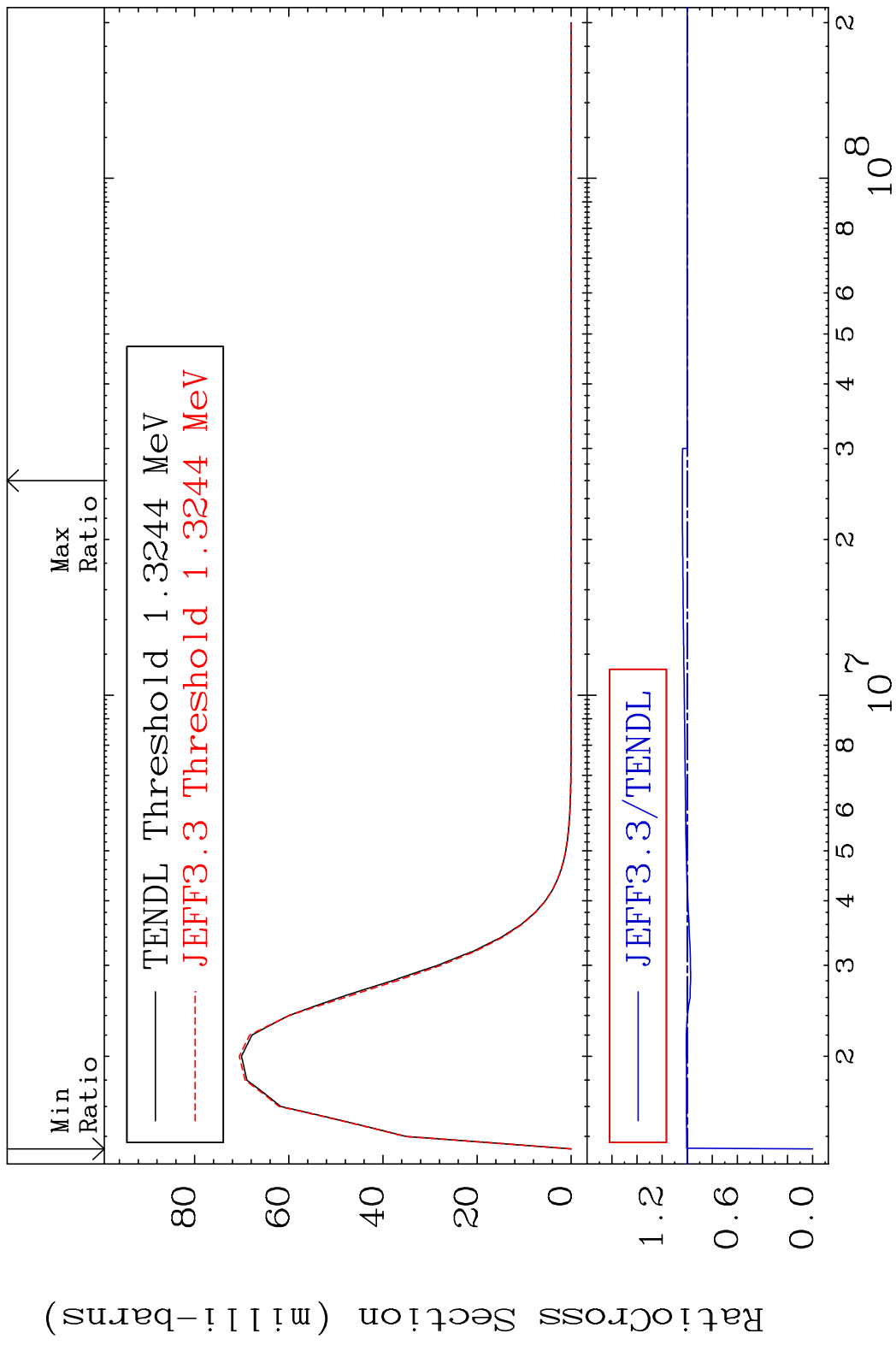
54-Xe-126

MAT 5431 MT= 53 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 0.711 %

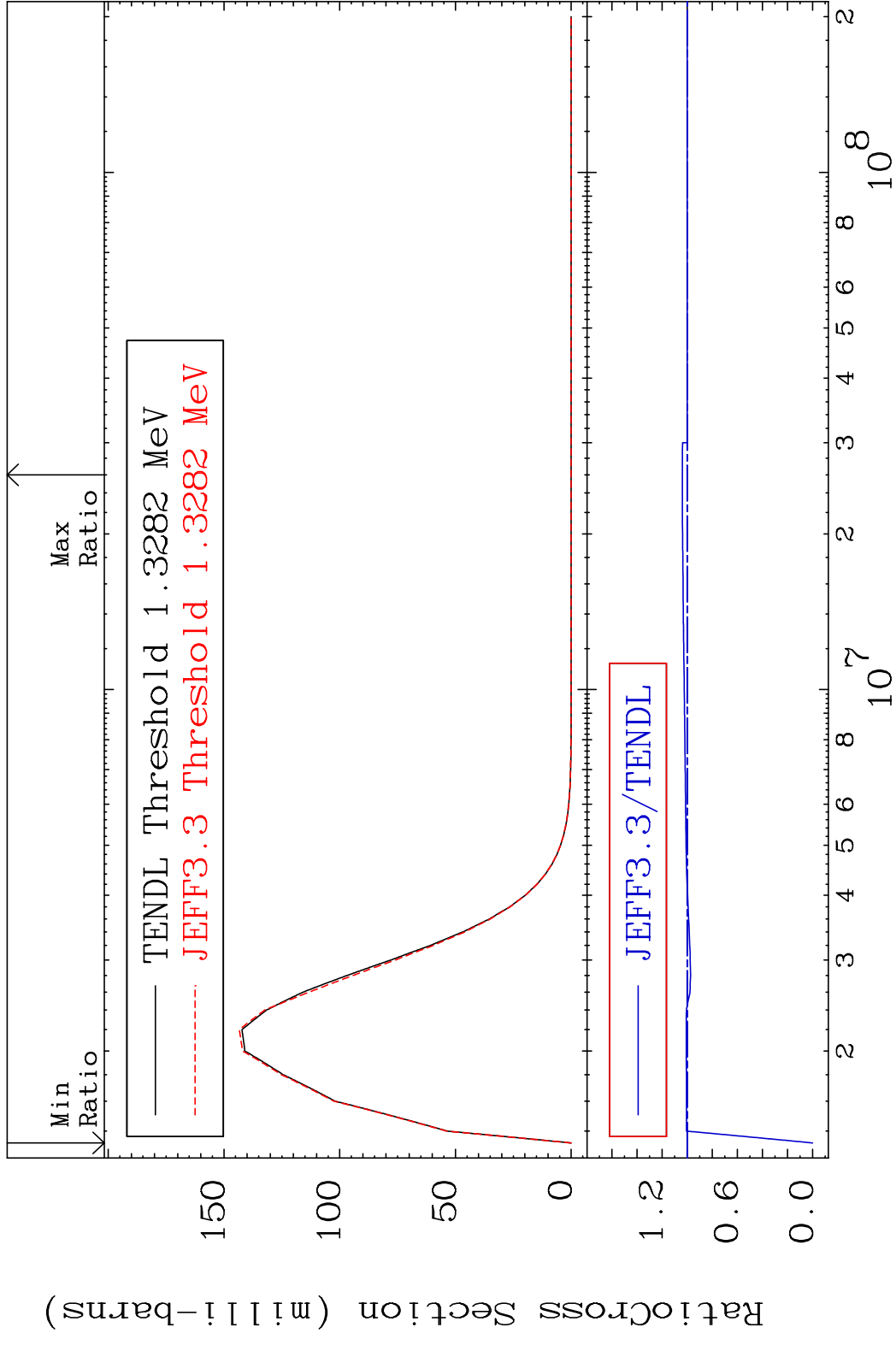


22 Incident Energy (eV) 54-Xe-126

MAT 5431 MT= 54 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 3.845 %



MAT 5431 MT= 55 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 3.842 %

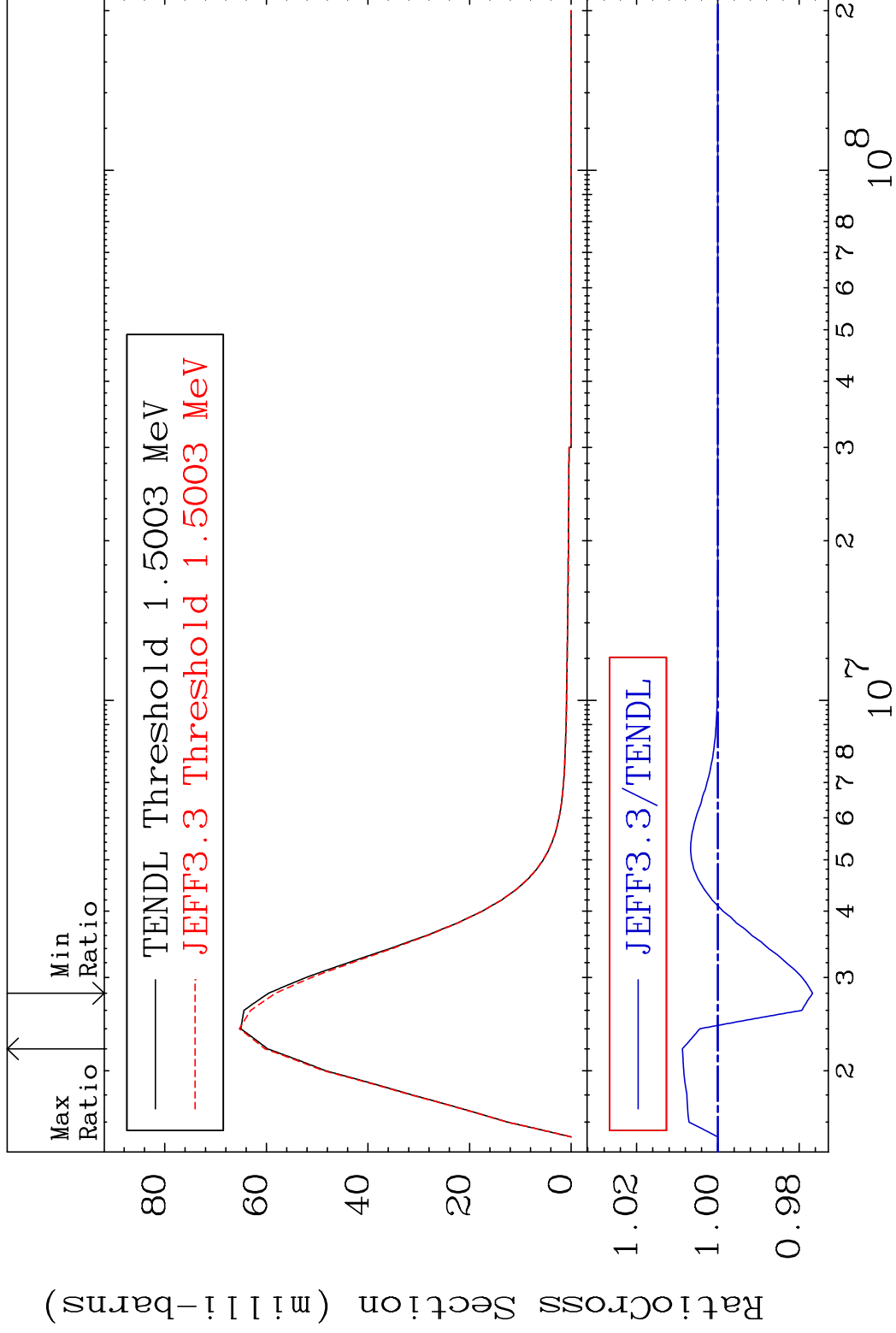


MAT 5431

MT= 56 (n,n') Level

54-Xe-126

Cross Section -2.331 To 0.874 %

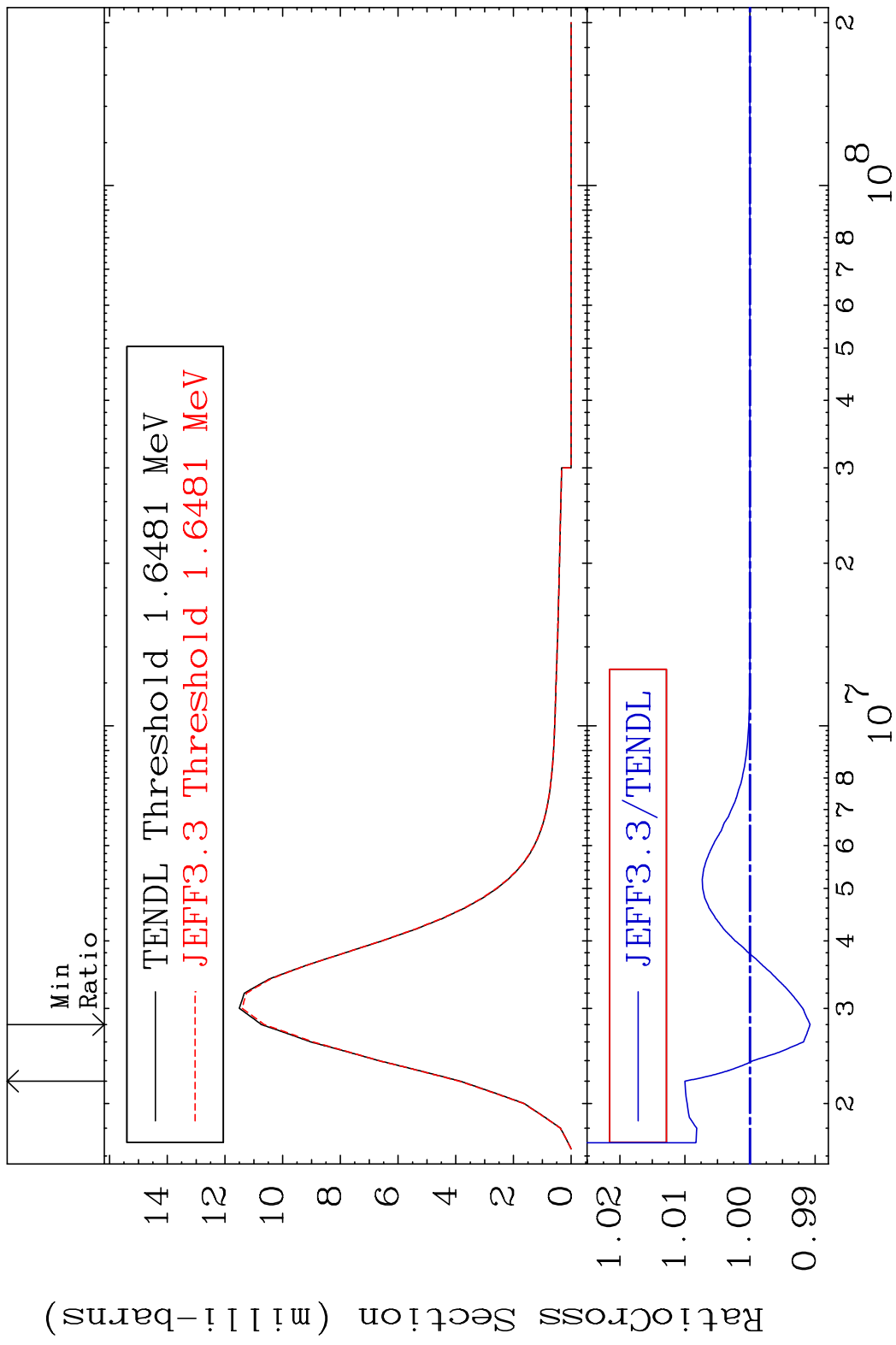


25

Incident Energy (eV)

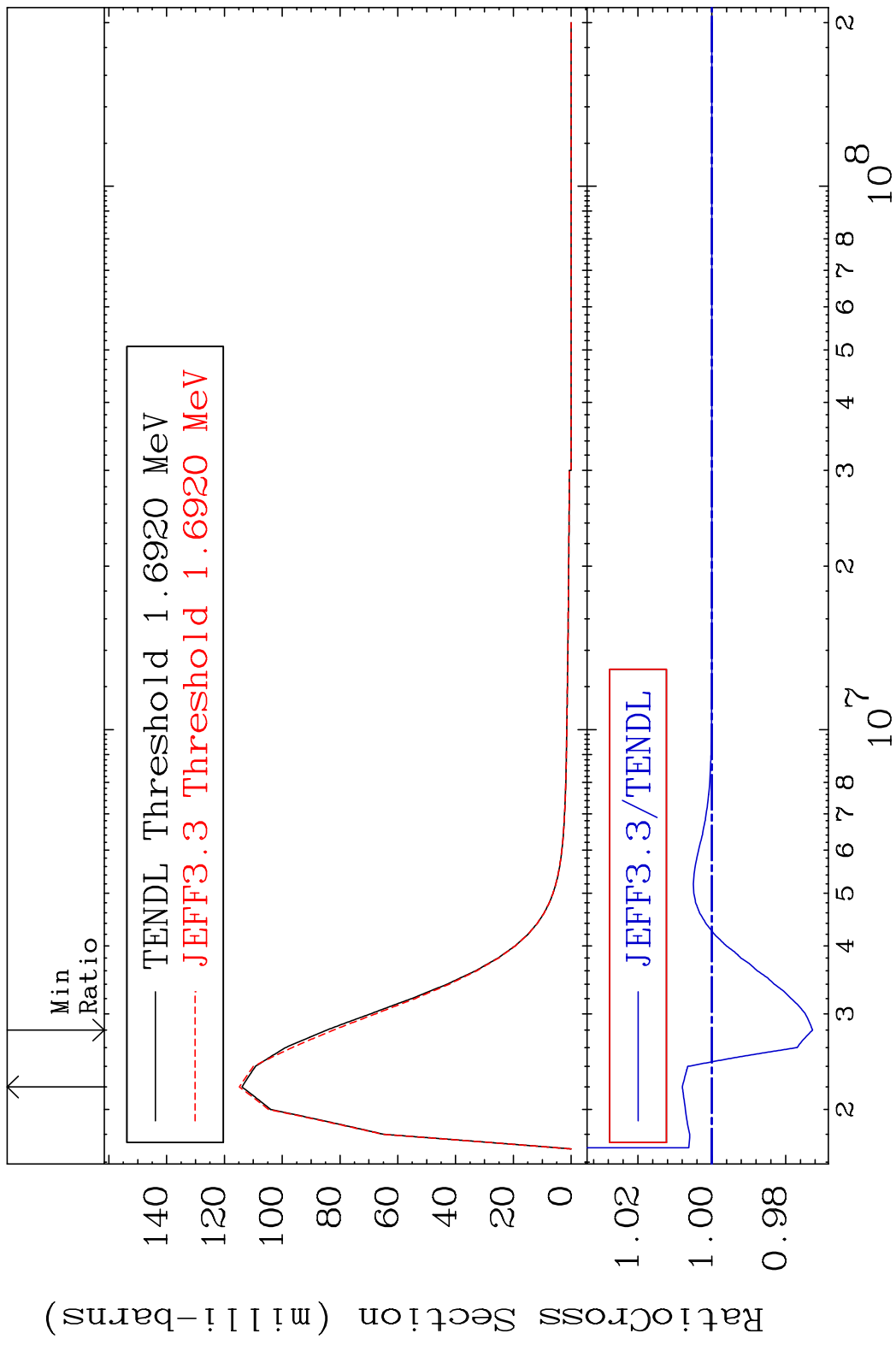
54-Xe-126

MAT 5431 MT= 57 (n, n') Level 54-Xe-126
 Cross Section -0.923 To 1.001 %

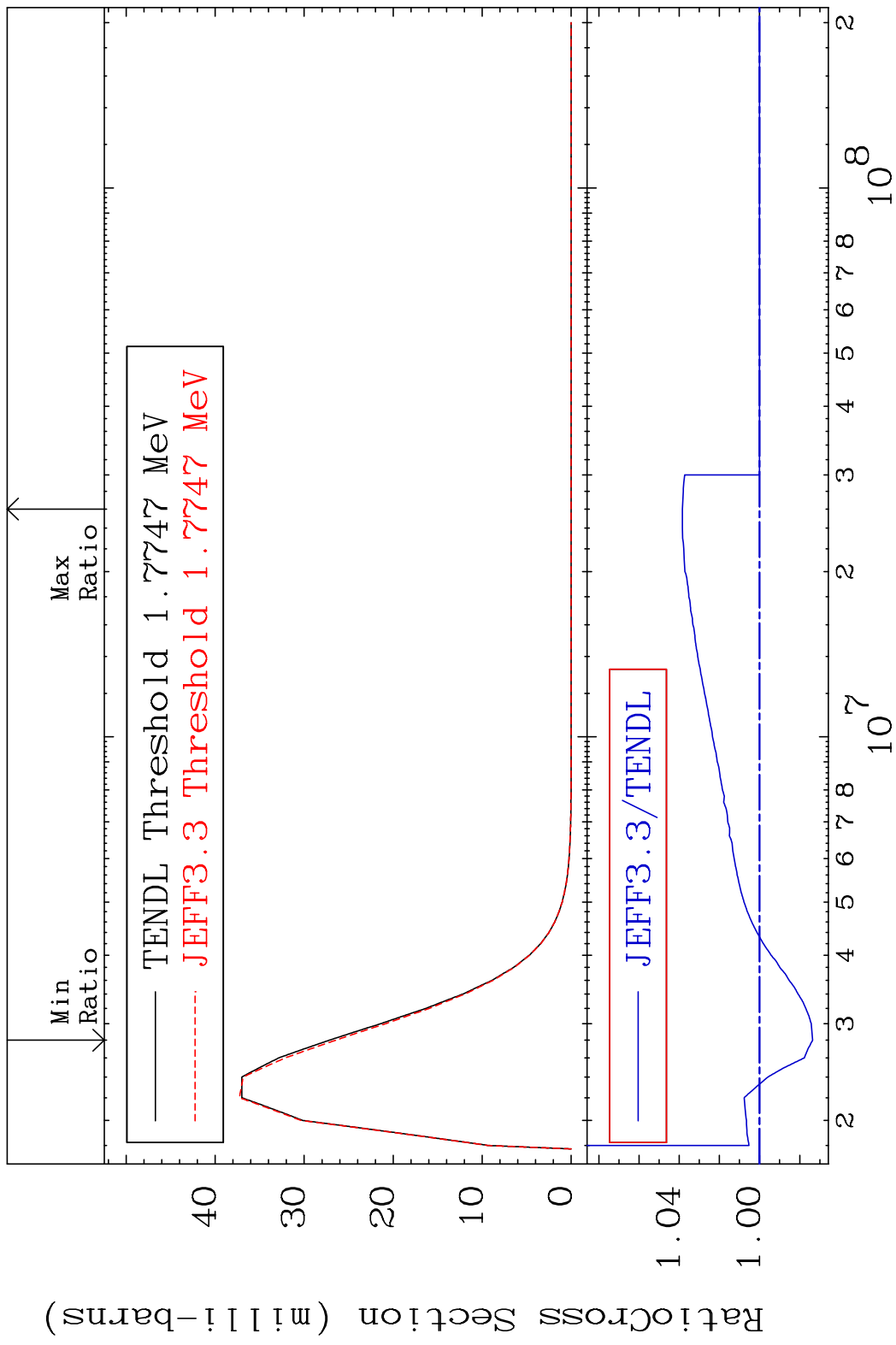


26 Incident Energy (eV) 54-Xe-126

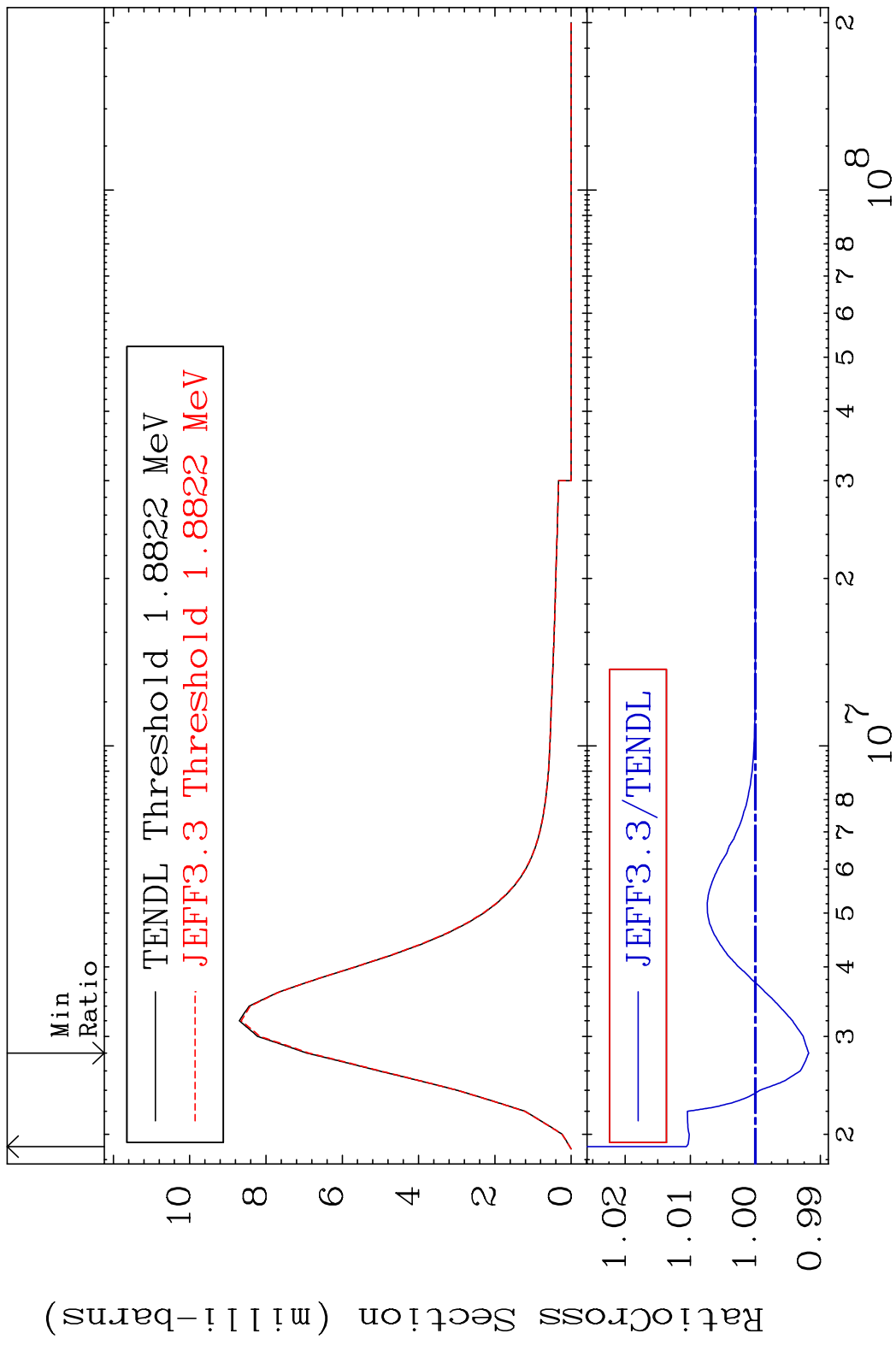
MAT 5431 MT= 58 (n, n') Level 54-Xe-126
 Cross Section -2.728 To 0.797 %



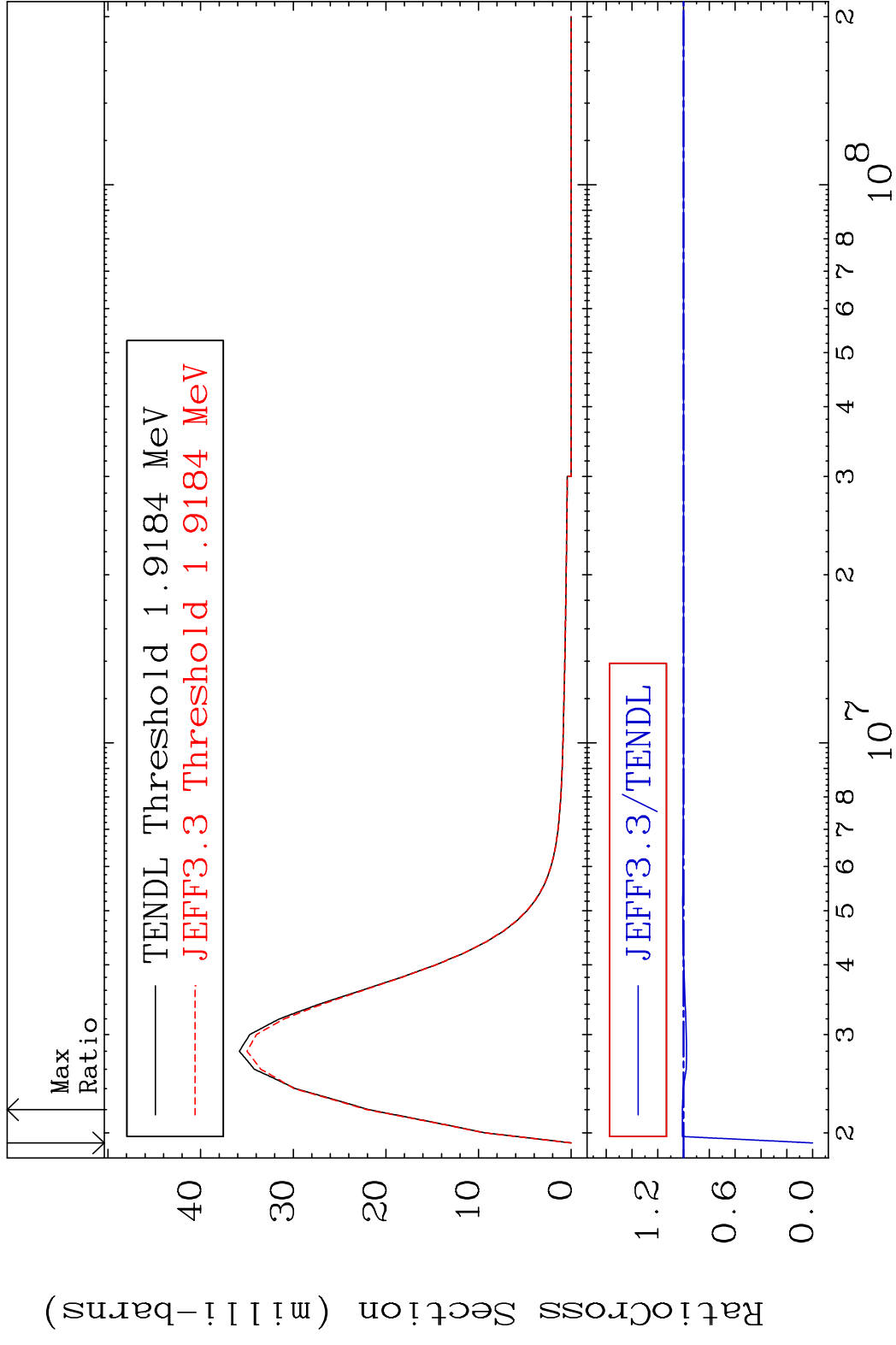
MAT 5431 MT= 59 (n, n') Level 54-Xe-126
 Cross Section -2.639 To 3.845 %



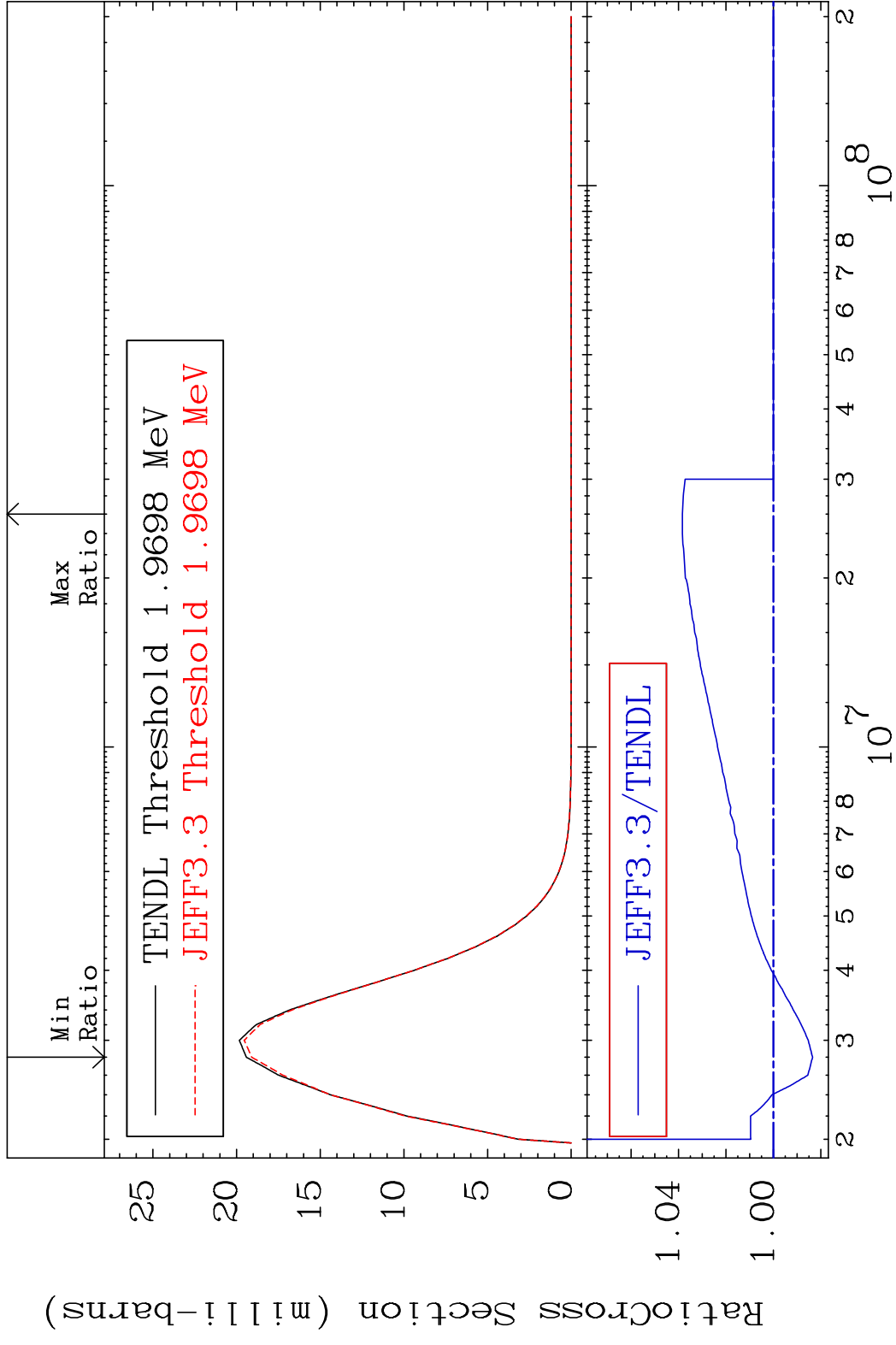
MAT 5431 MT= 60 (n,n') Level 54-Xe-126
 Cross Section -0.820 To 1.062 %



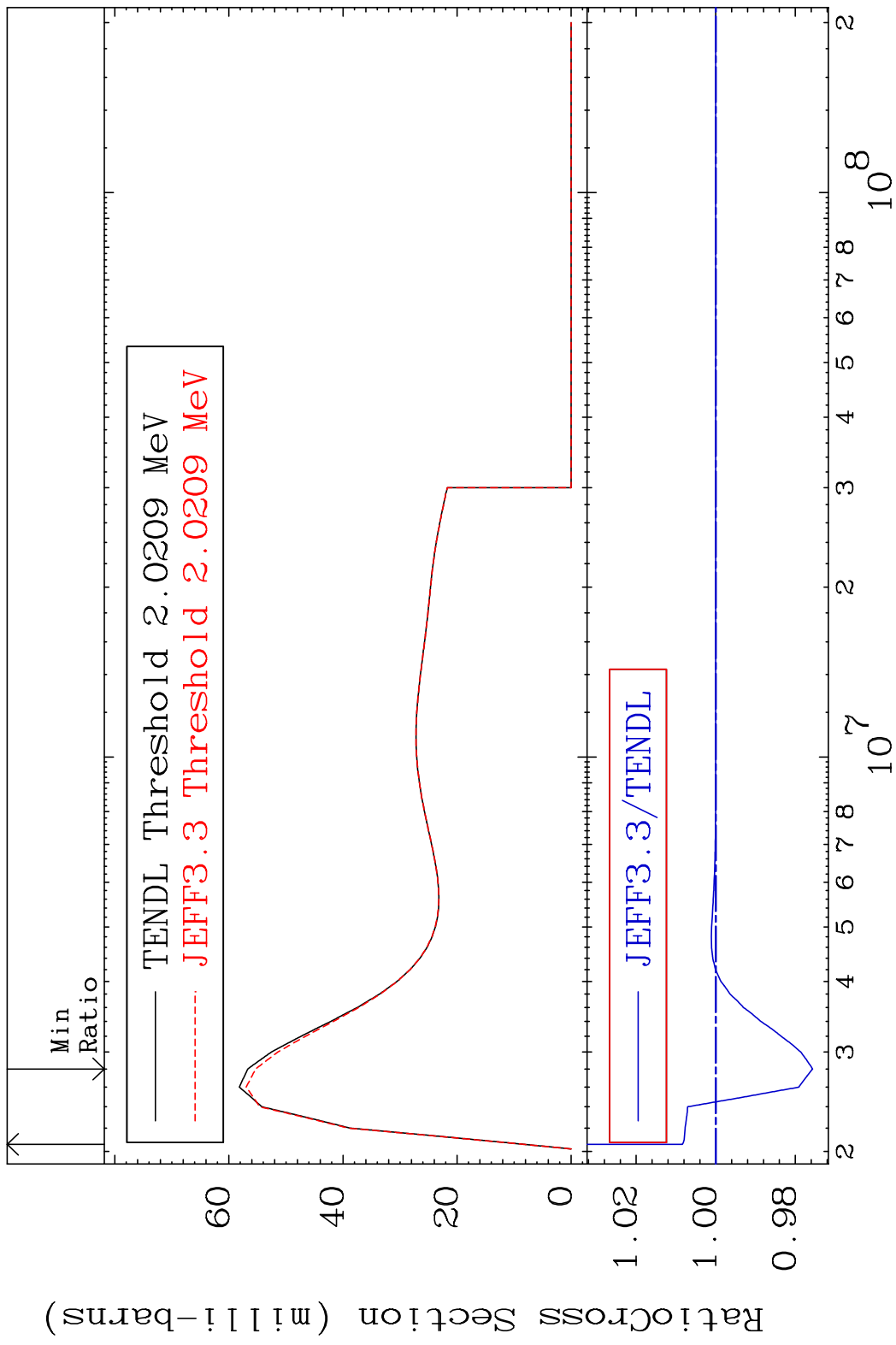
MAT 5431 MT= 61 (n,n') Level 54-Xe-126
 Cross Section -100.0 To 0.962 %



MAT 5431 MT= 62 (n, n') Level 54-Xe-126
 Cross Section -1.655 To 3.836 %

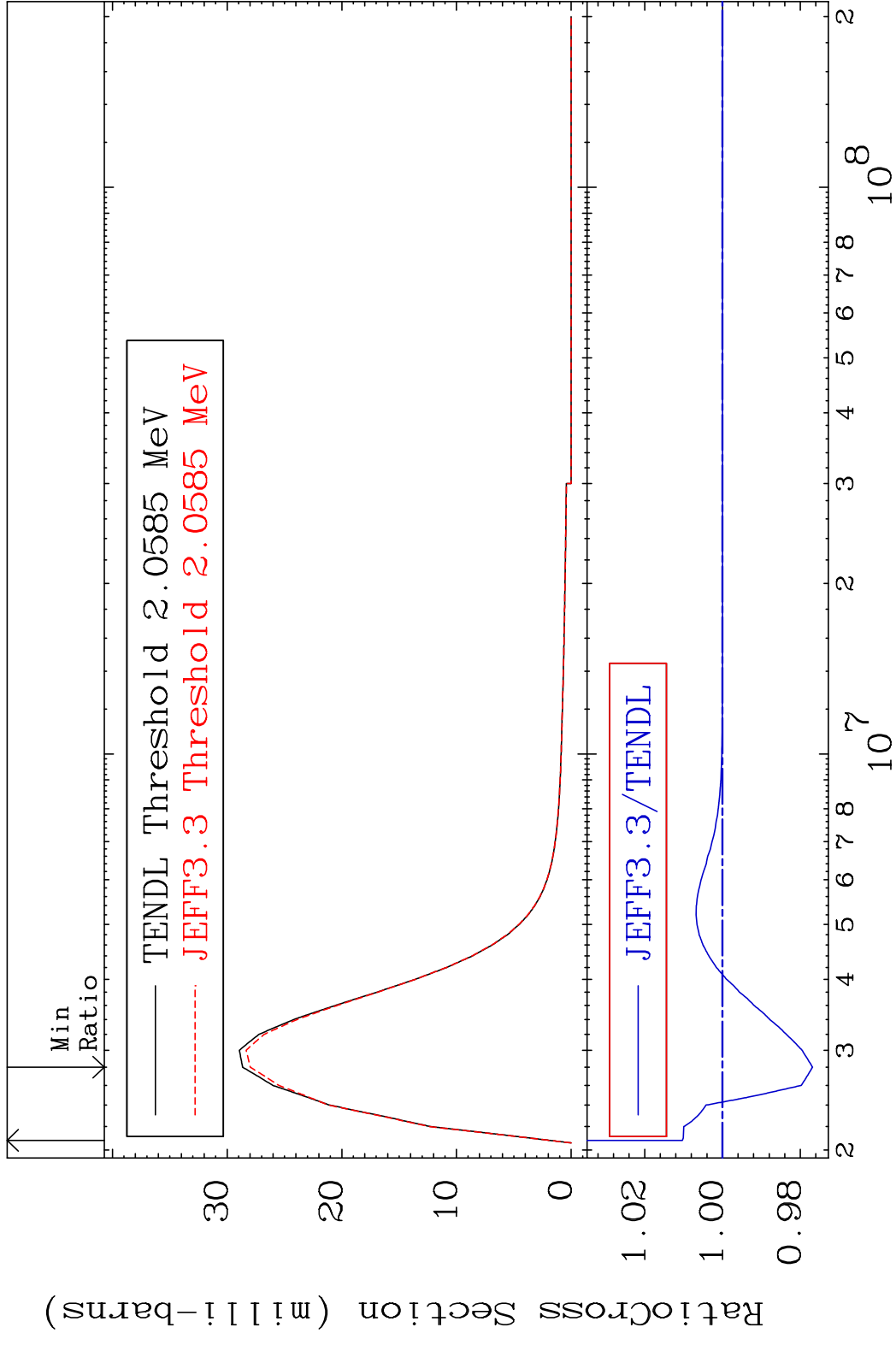


MAT 5431 MT= 63 (n, n') Level 54-Xe-126
 Cross Section -2.433 To 0.840 %

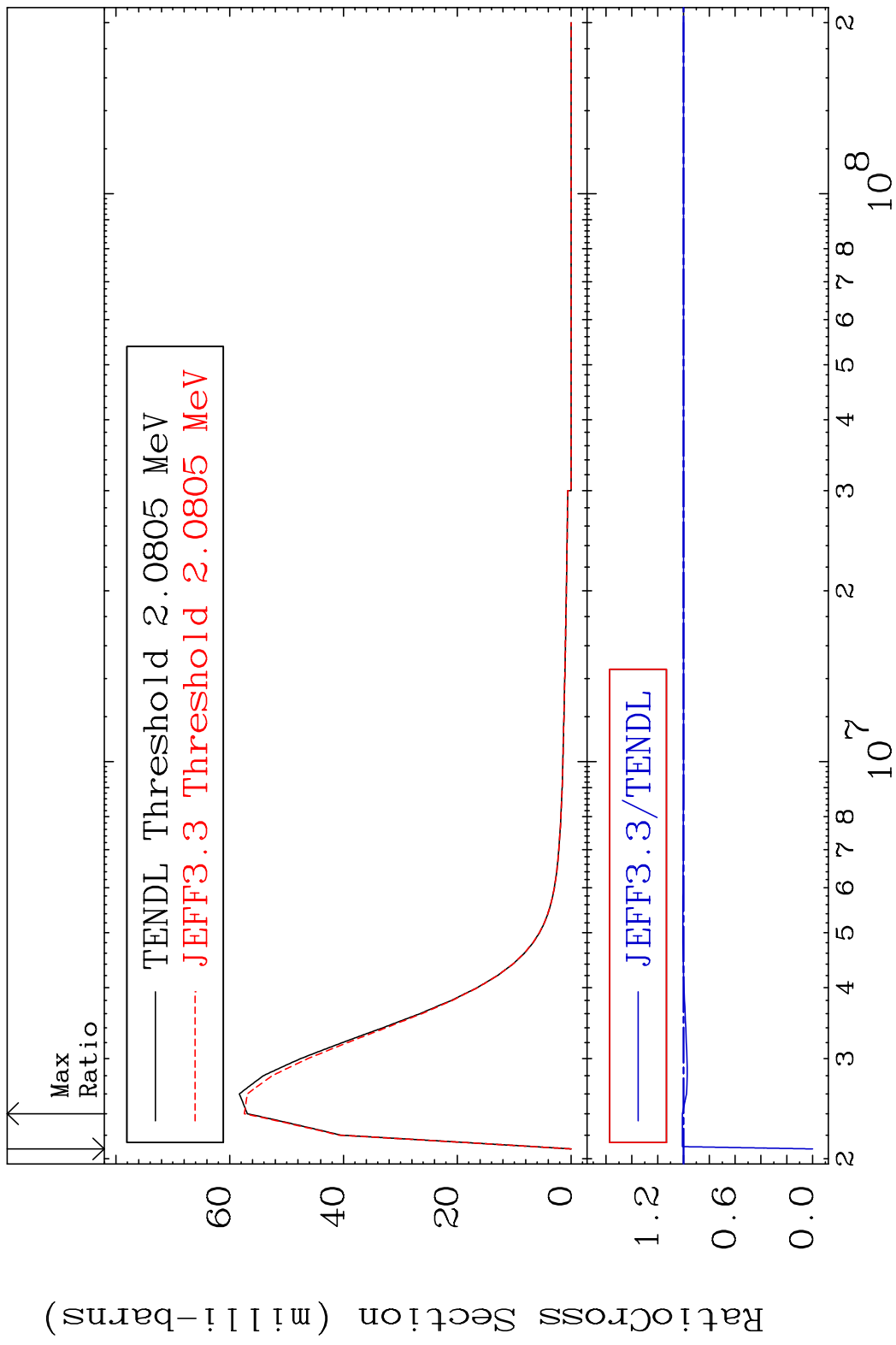


32 Incident Energy (eV) 54-Xe-126

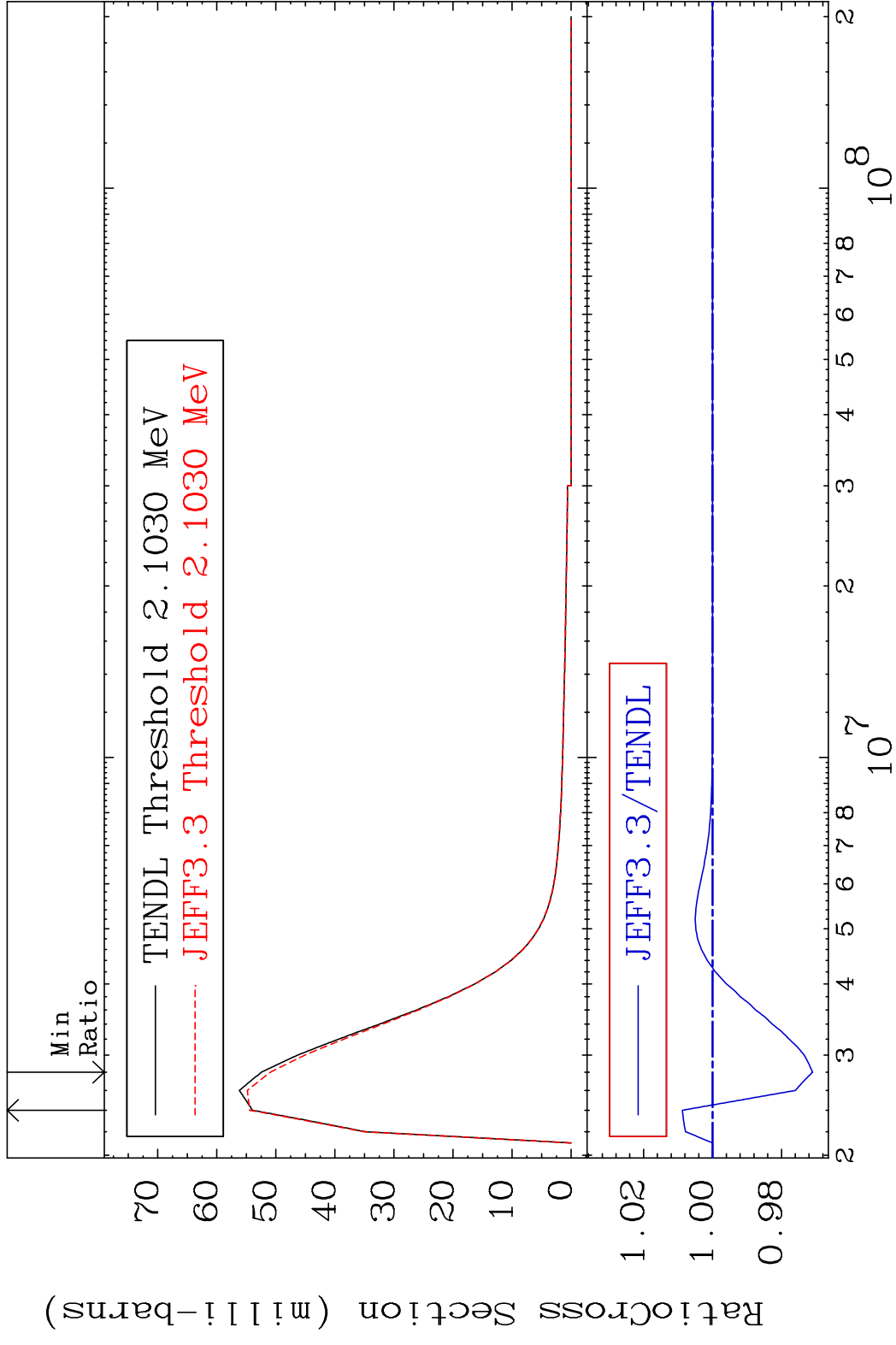
MAT 5431 MT= 64 (n, n') Level 54-Xe-126
 Cross Section -2.315 To 1.031 %



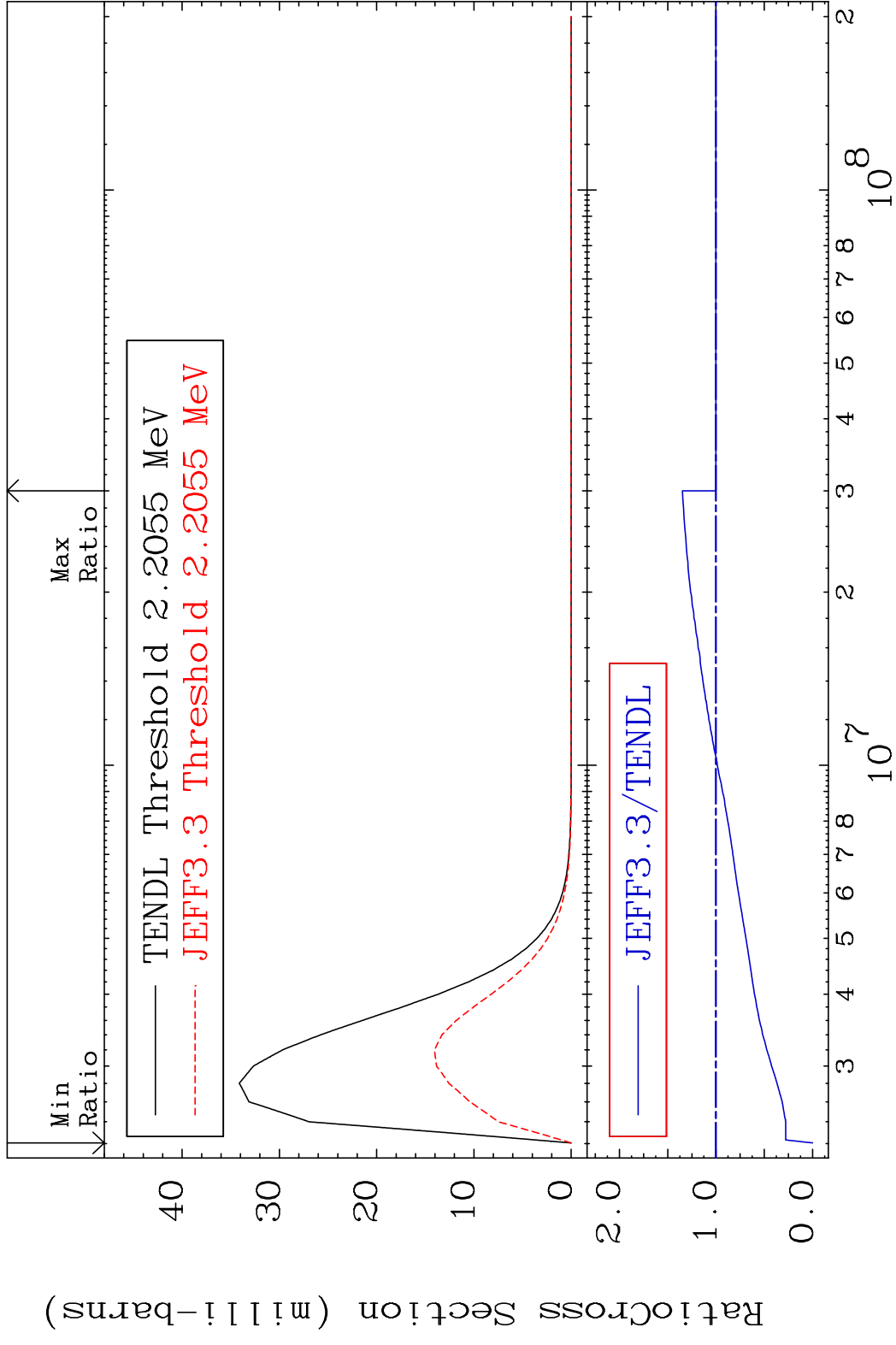
MAT 5431 MT= 65 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 0.873 %



MAT 5431 MT= 66 (n, n') Level 54-Xe-126
 Cross Section -2.901 To 0.876 %



MAT 5431 MT= 67 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 34.85 %

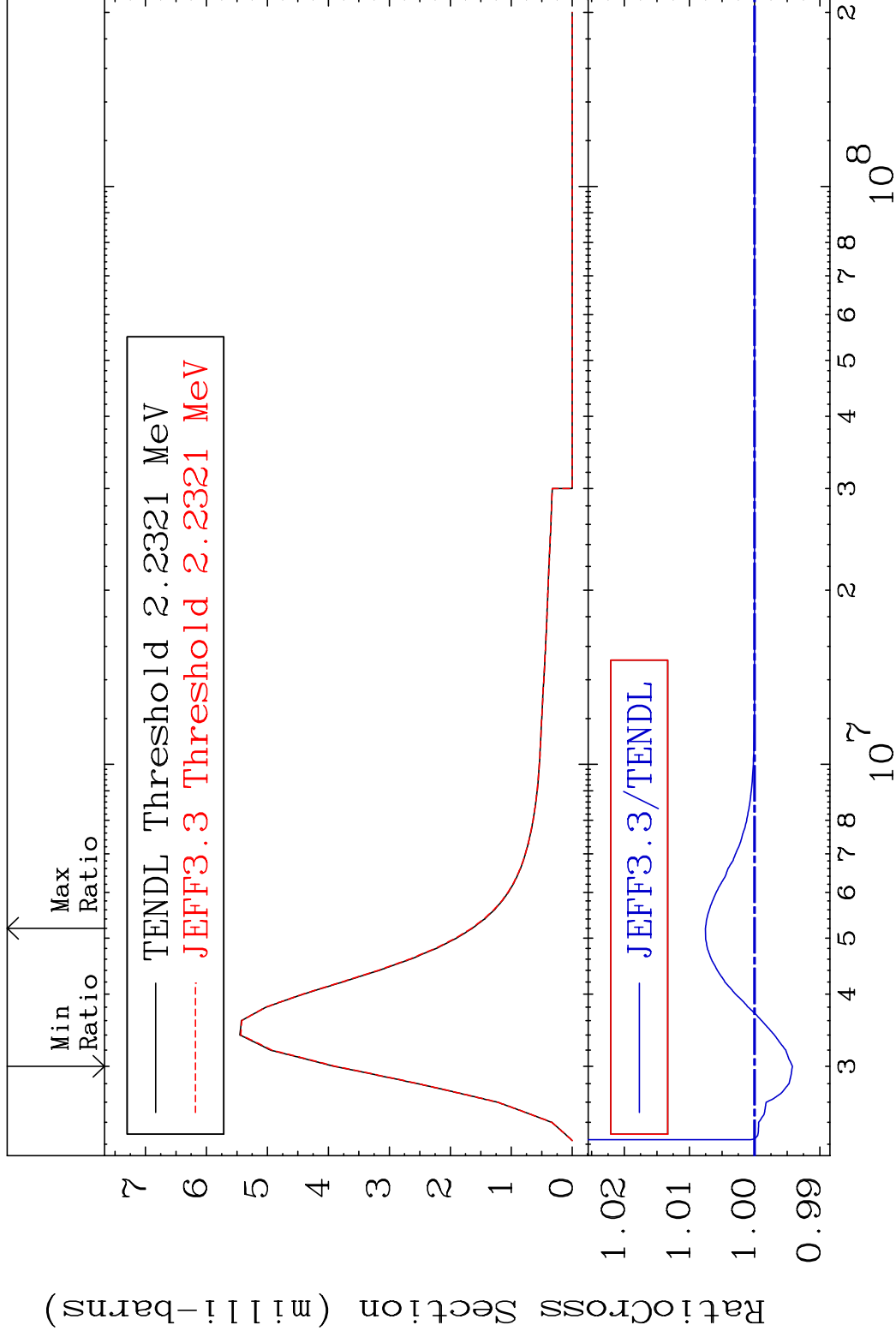


MAT 5431

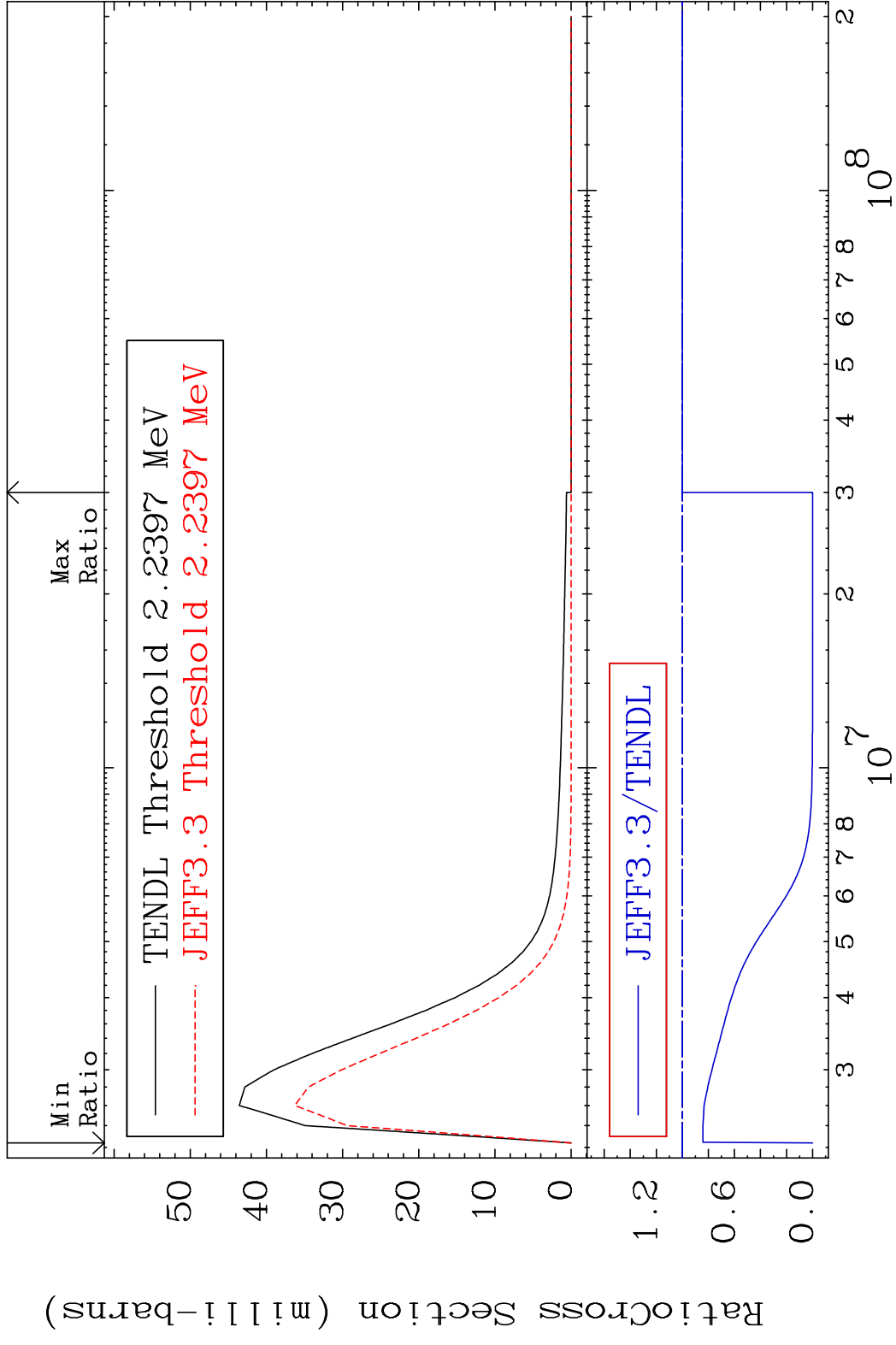
MT= 68 (n, n') Level

54-Xe-126

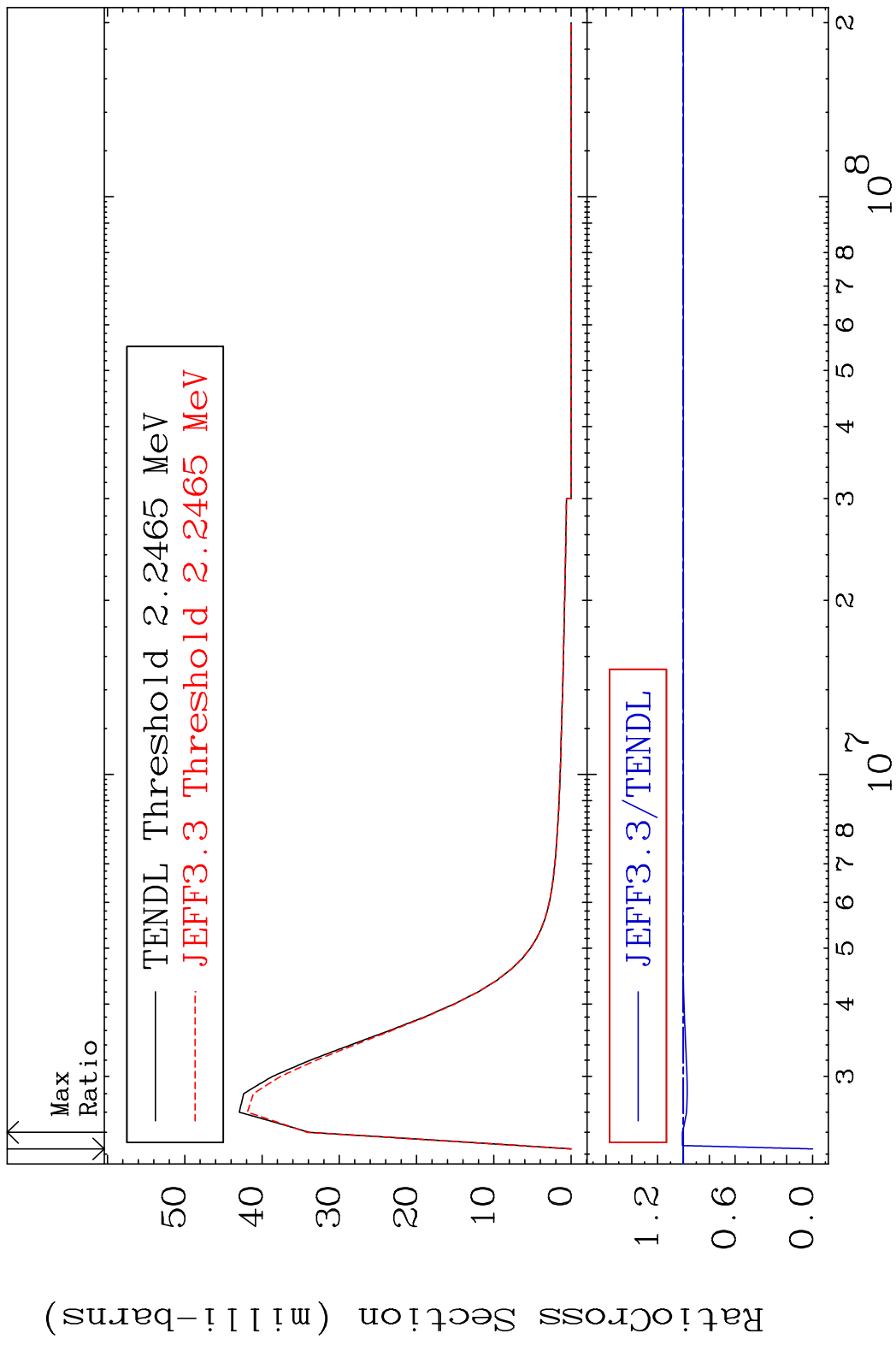
Cross Section -0.579 To 0.755 %



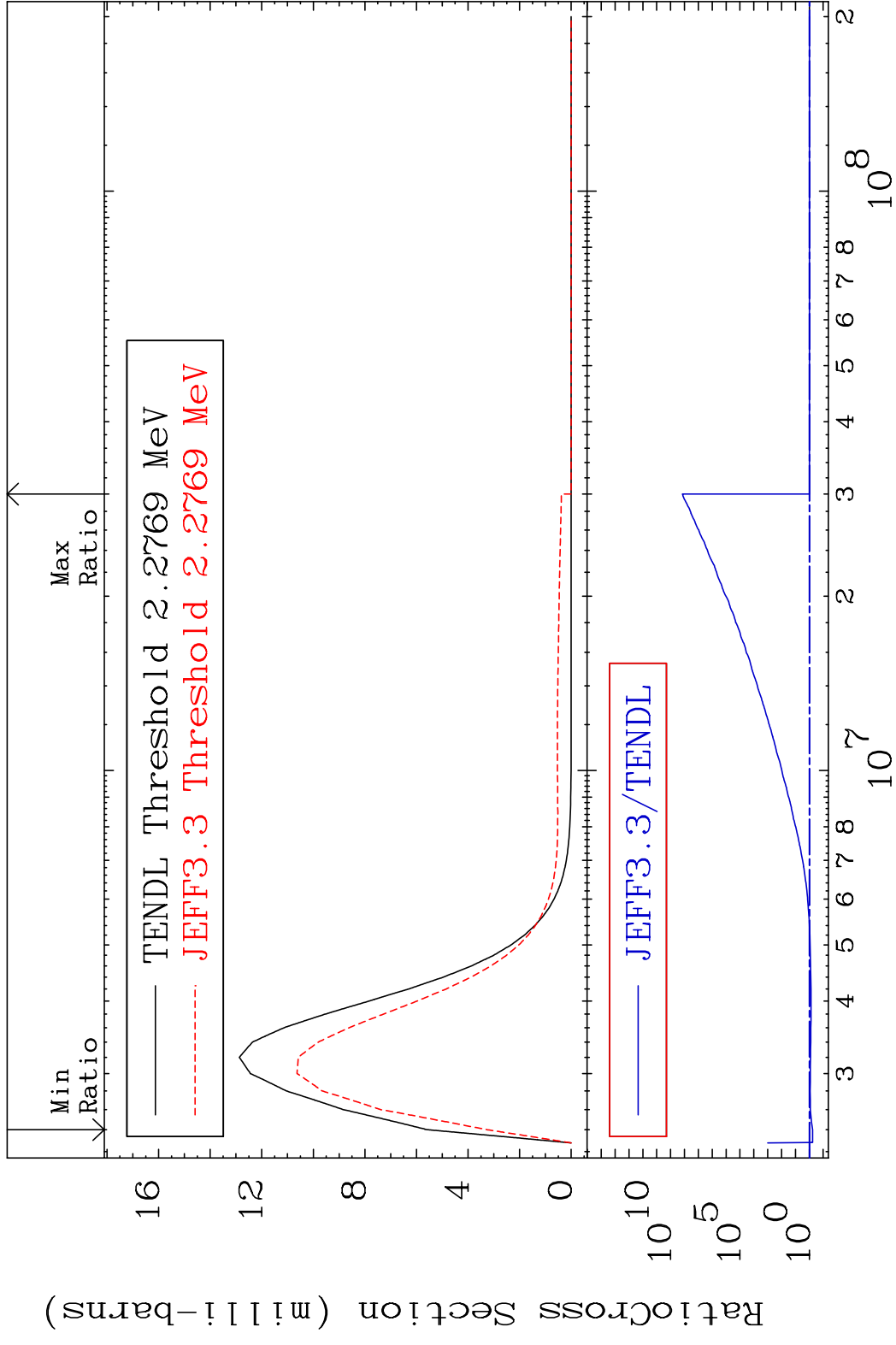
MAT 5431 MT= 69 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 0.000 %



MAT 5431 MT= 70 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 0.799 %

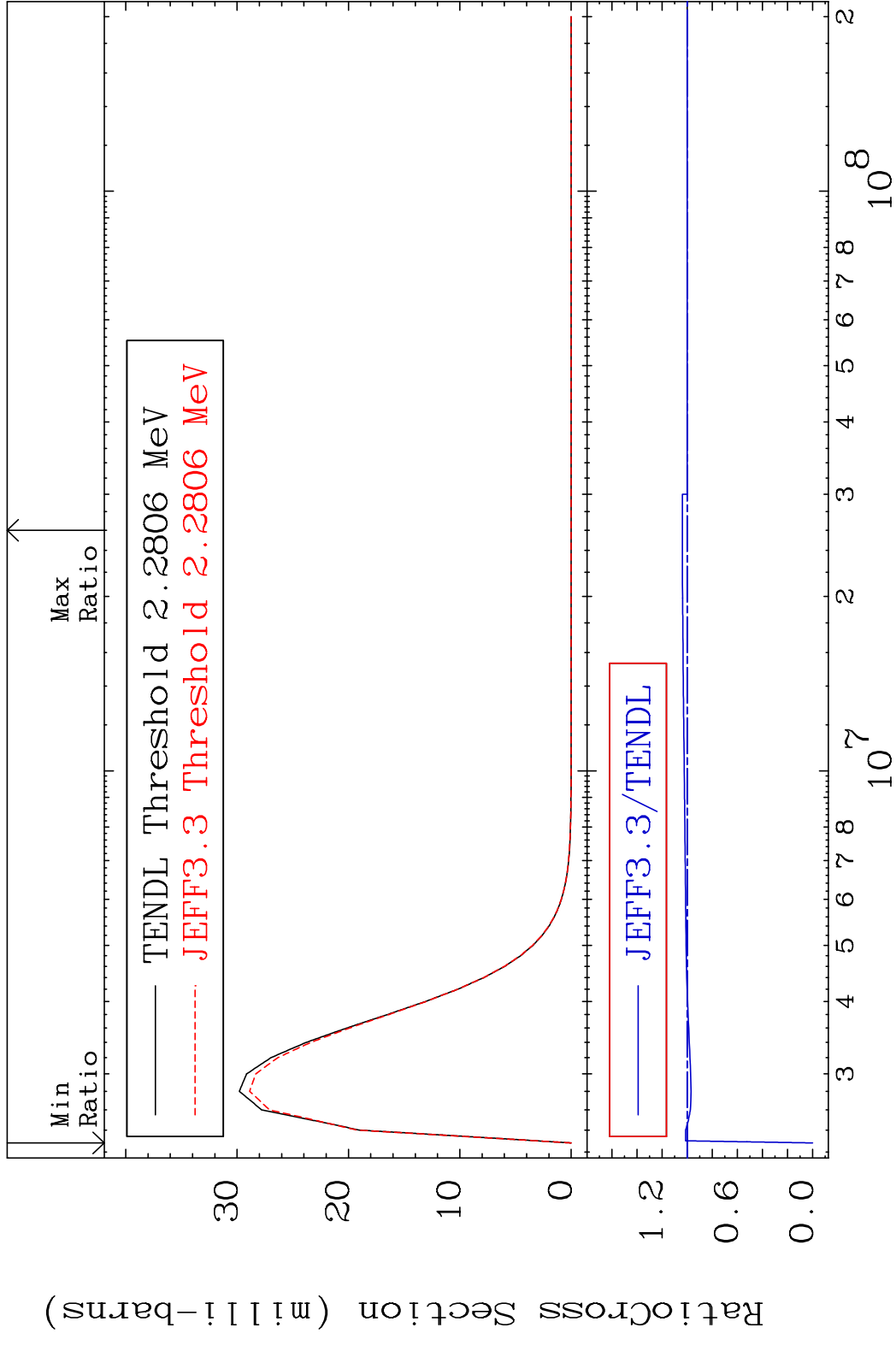


MAT 5431 MT= 71 (n, n') Level 54-Xe-126
 Cross Section -41.42 To 9999. %



40 Incident Energy (eV) 54-Xe-126

MAT 5431 MT= 72 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 3.842 %

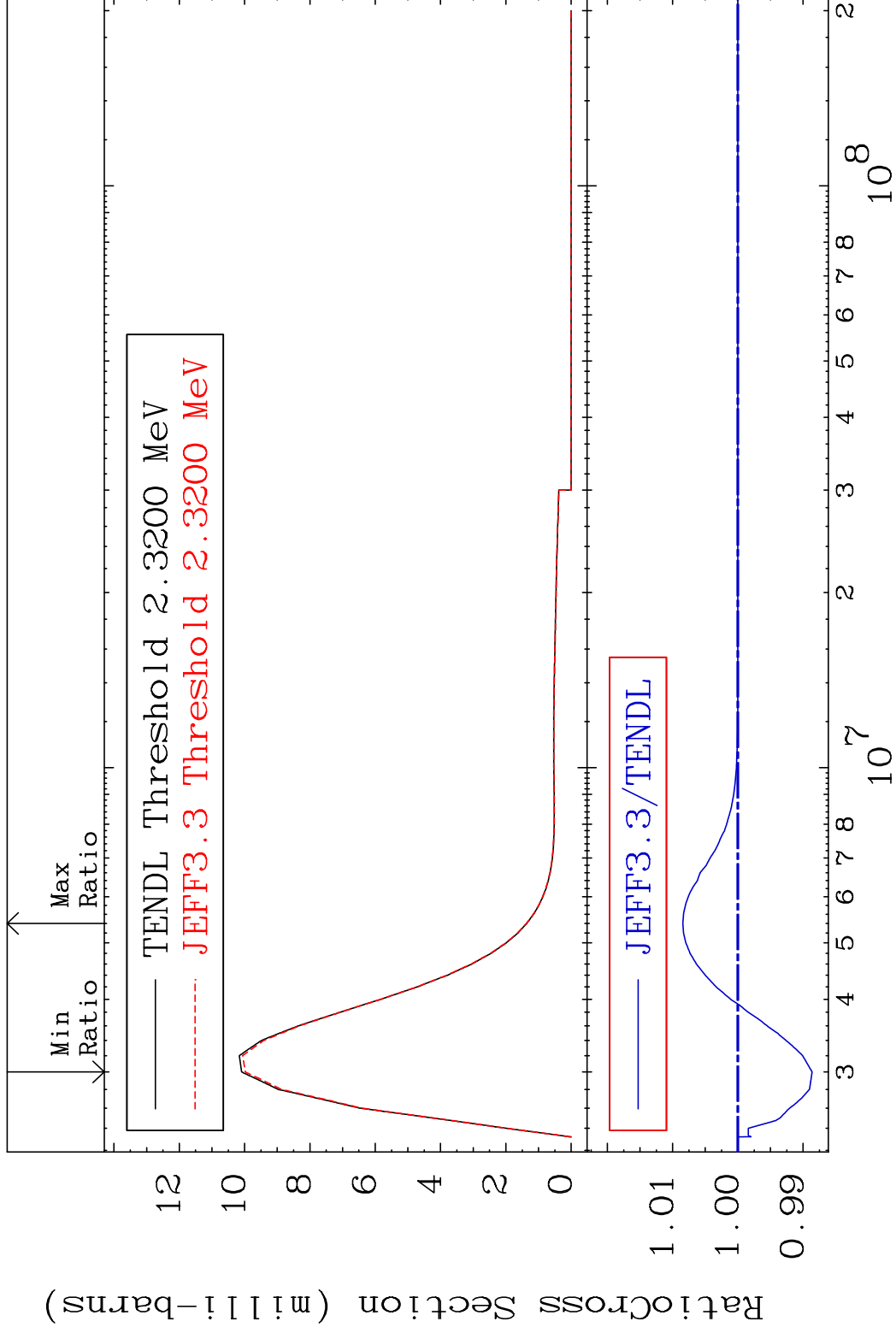


MAT 5431

MT= 73 (n, n') Level

54-Xe-126

Cross Section -1.138 To 0.844 %

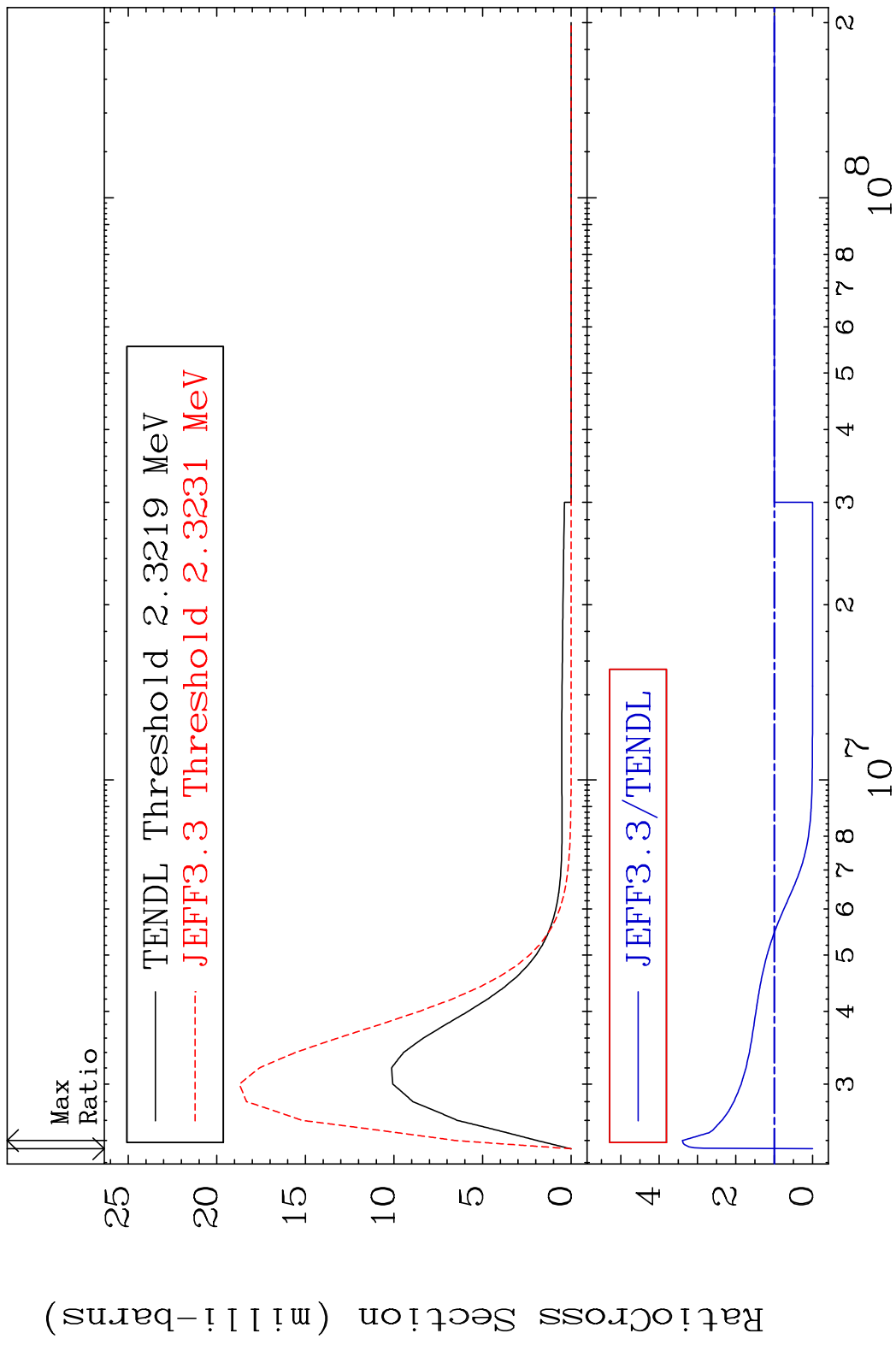


42

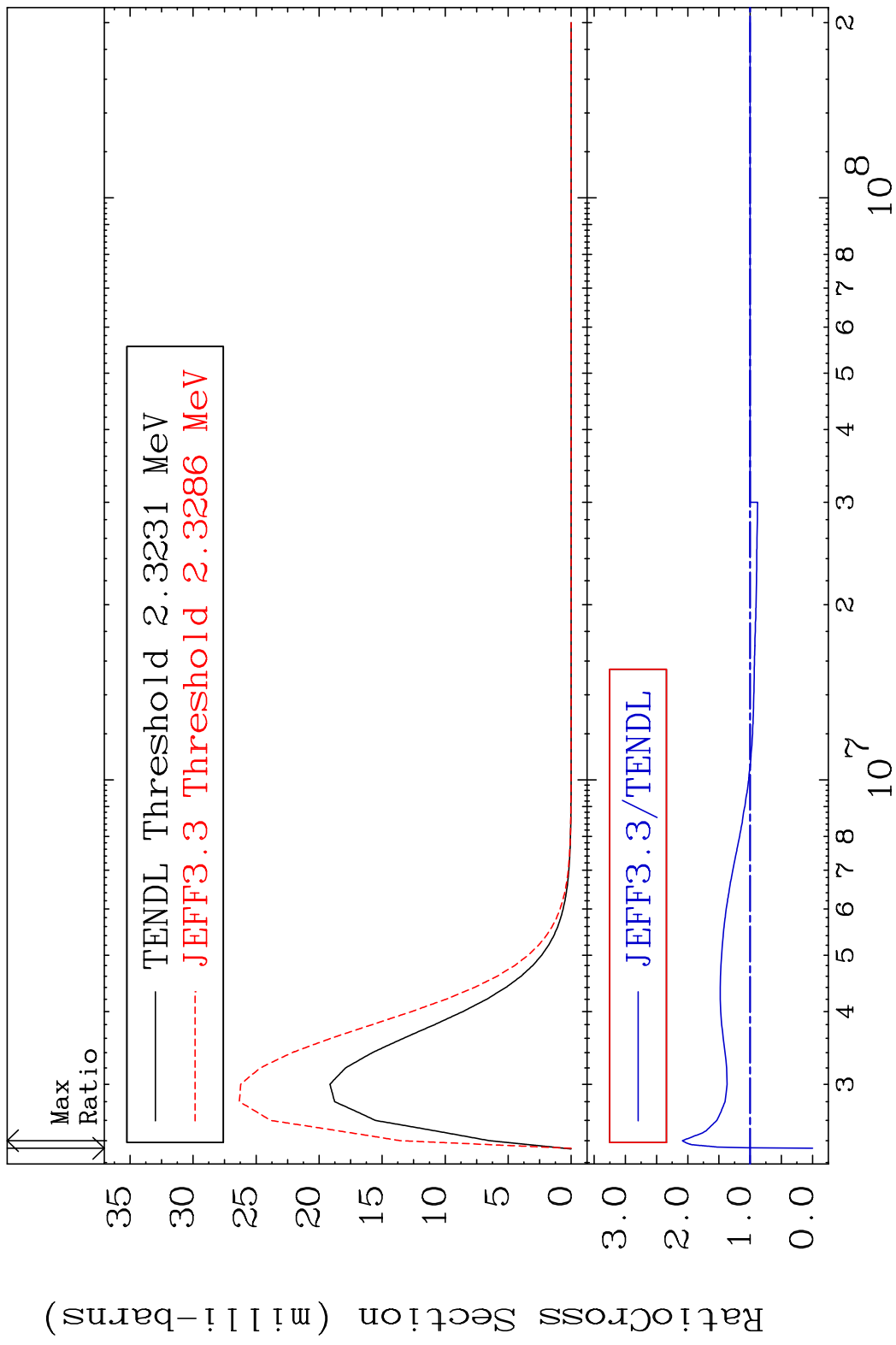
Incident Energy (eV)

54-Xe-126

MAT 5431 MT= 74 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 239.4 %



MAT 5431 MT= 75 (n,n') Level 54-Xe-126
 Cross Section -100.0 To 108.7 %

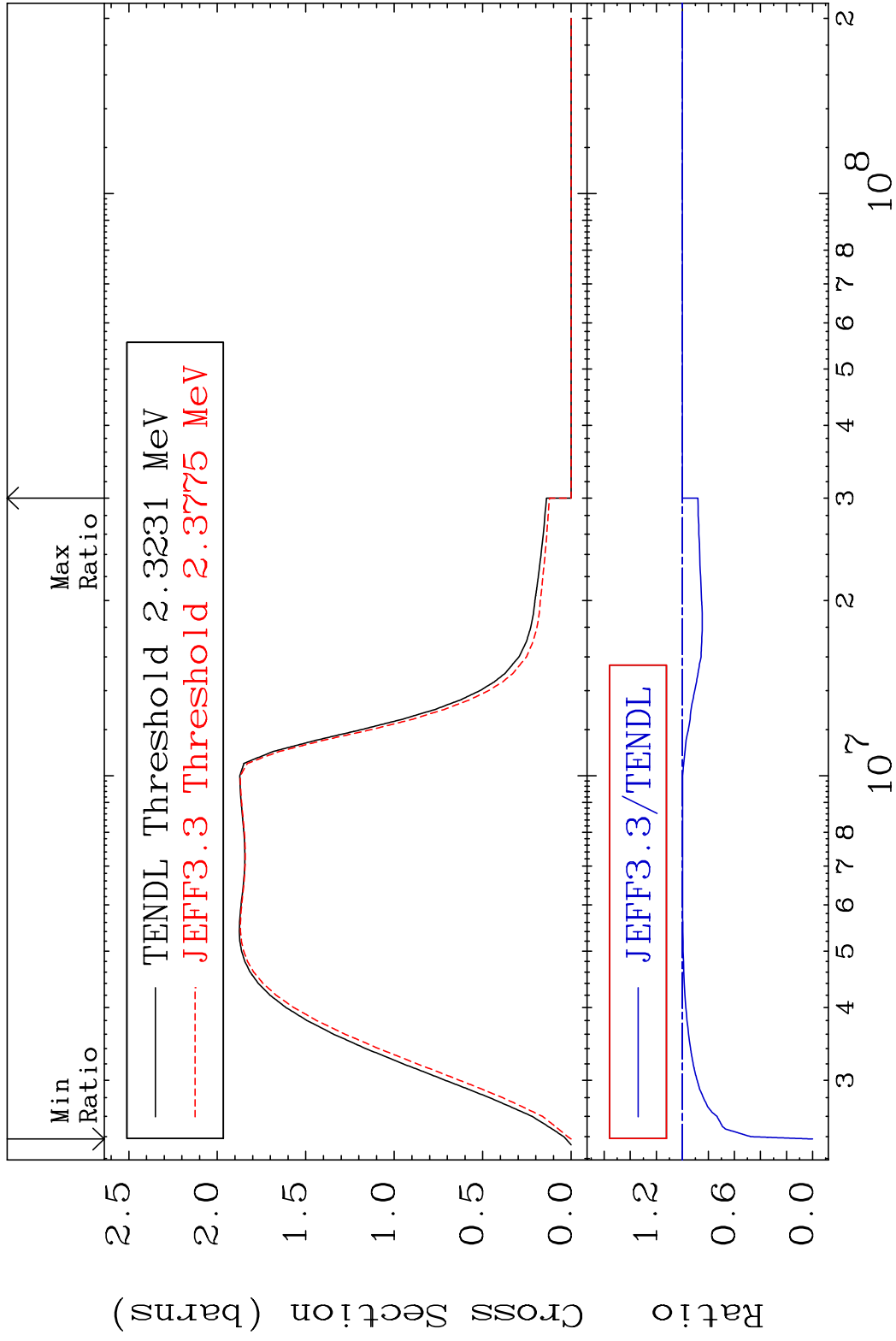


MAT 5431

(n,n') Continuum

54-Xe-126

Cross Section -100.0 To 0.000 %



45

Incident Energy (eV)

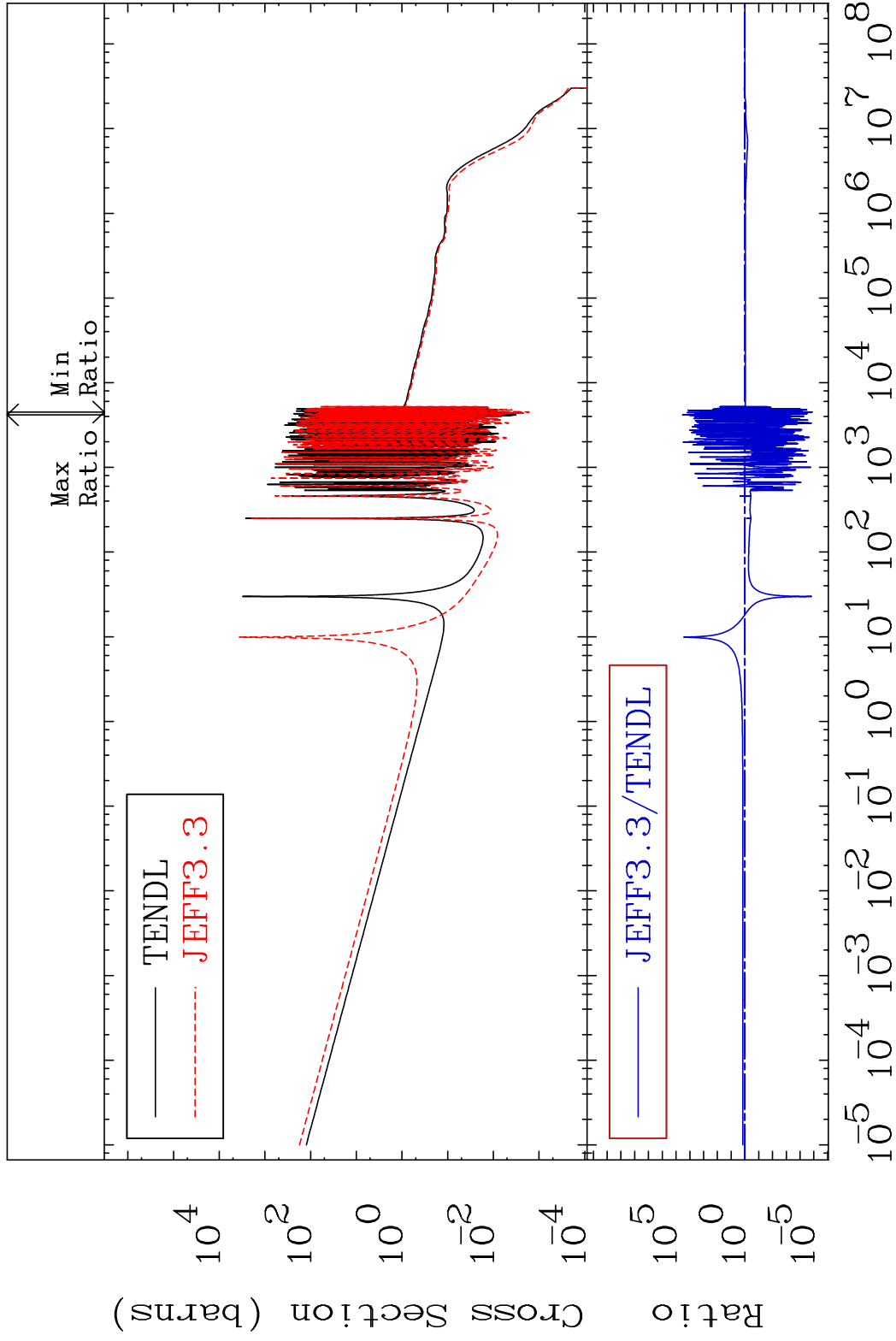
54-Xe-126

MAT 5431

(n, γ)

54-Xe-126

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

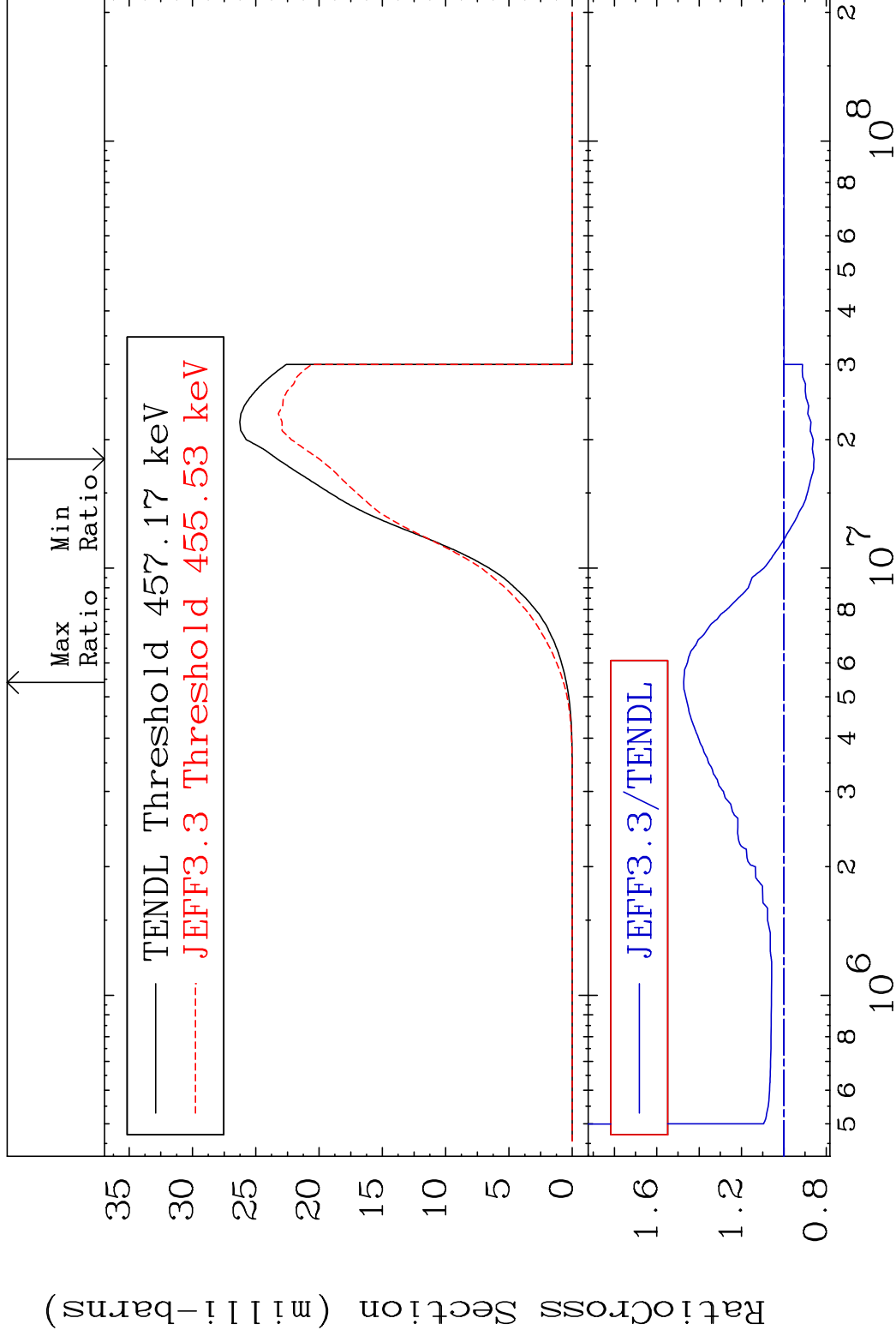
54-Xe-126

MAT 5431

(n, p)

54-Xe-126

Cross Section -14.25 To 47.30 %



47

Incident Energy (eV)

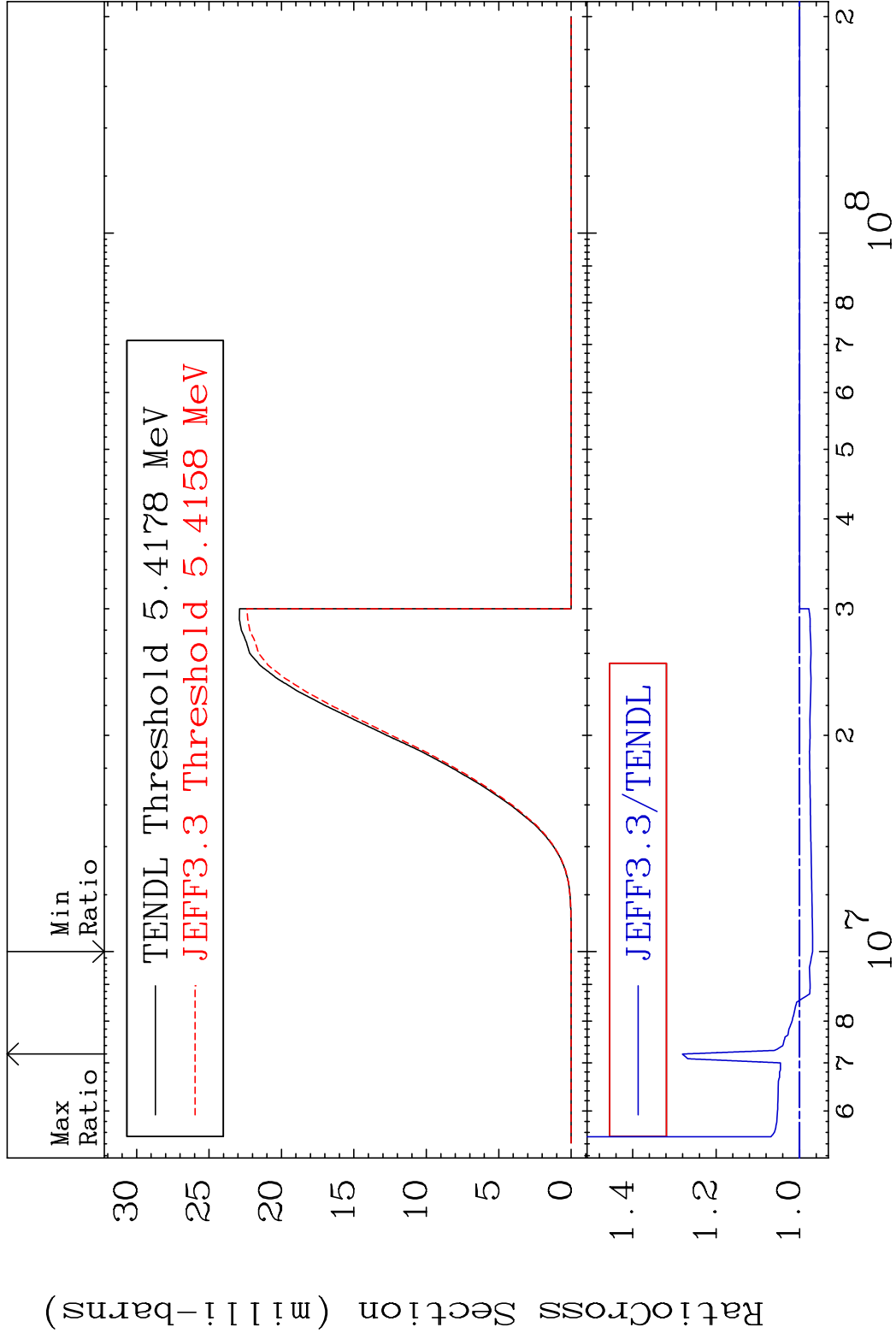
54-Xe-126

MAT 5431

(n, d)

54-Xe-126

Cross Section -3.129 To 28.09 %



48

Incident Energy (eV)

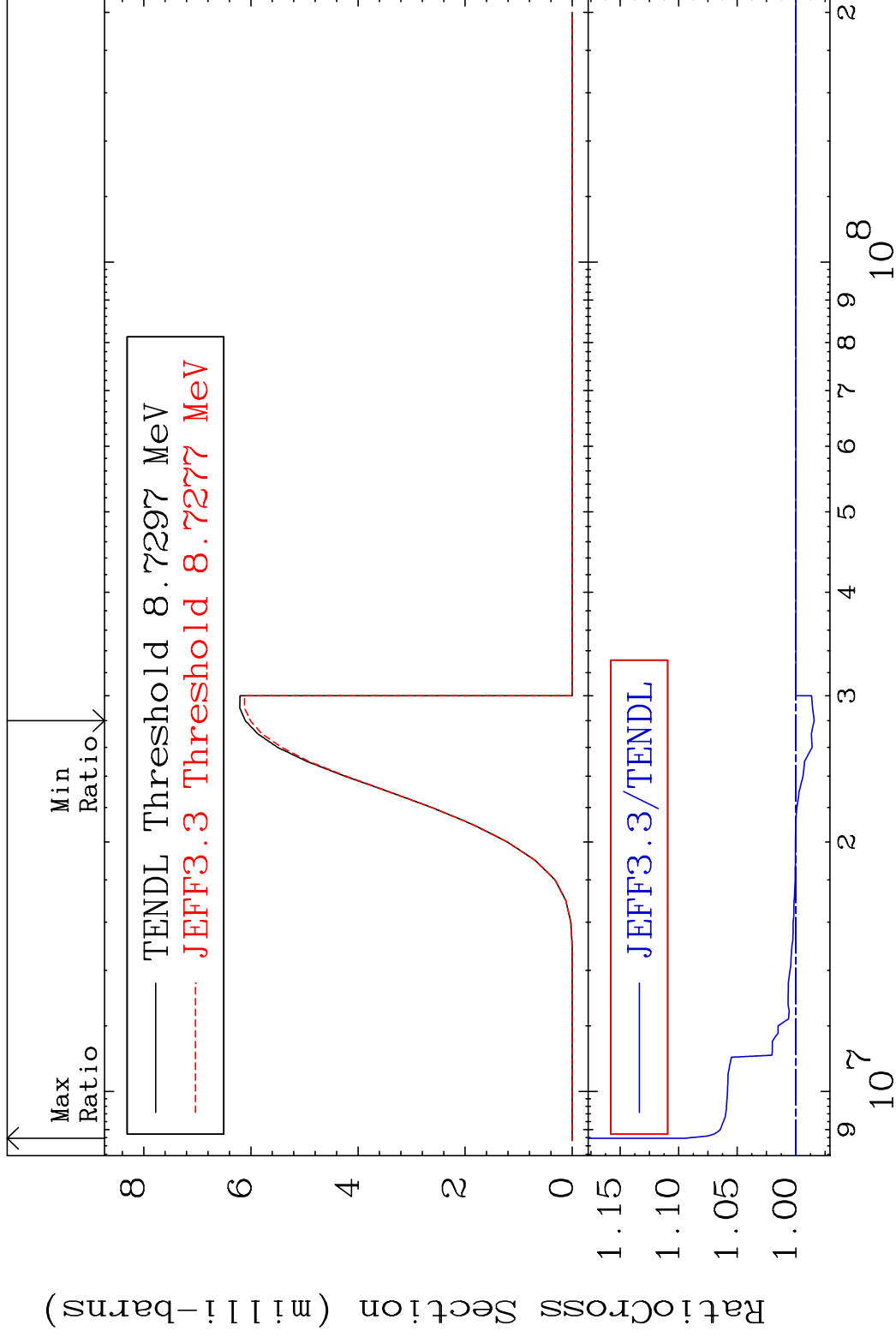
54-Xe-126

MAT 5431

(n, t)

54-Xe-126

Cross Section -1.565 To 9.577 %



49

Incident Energy (eV)

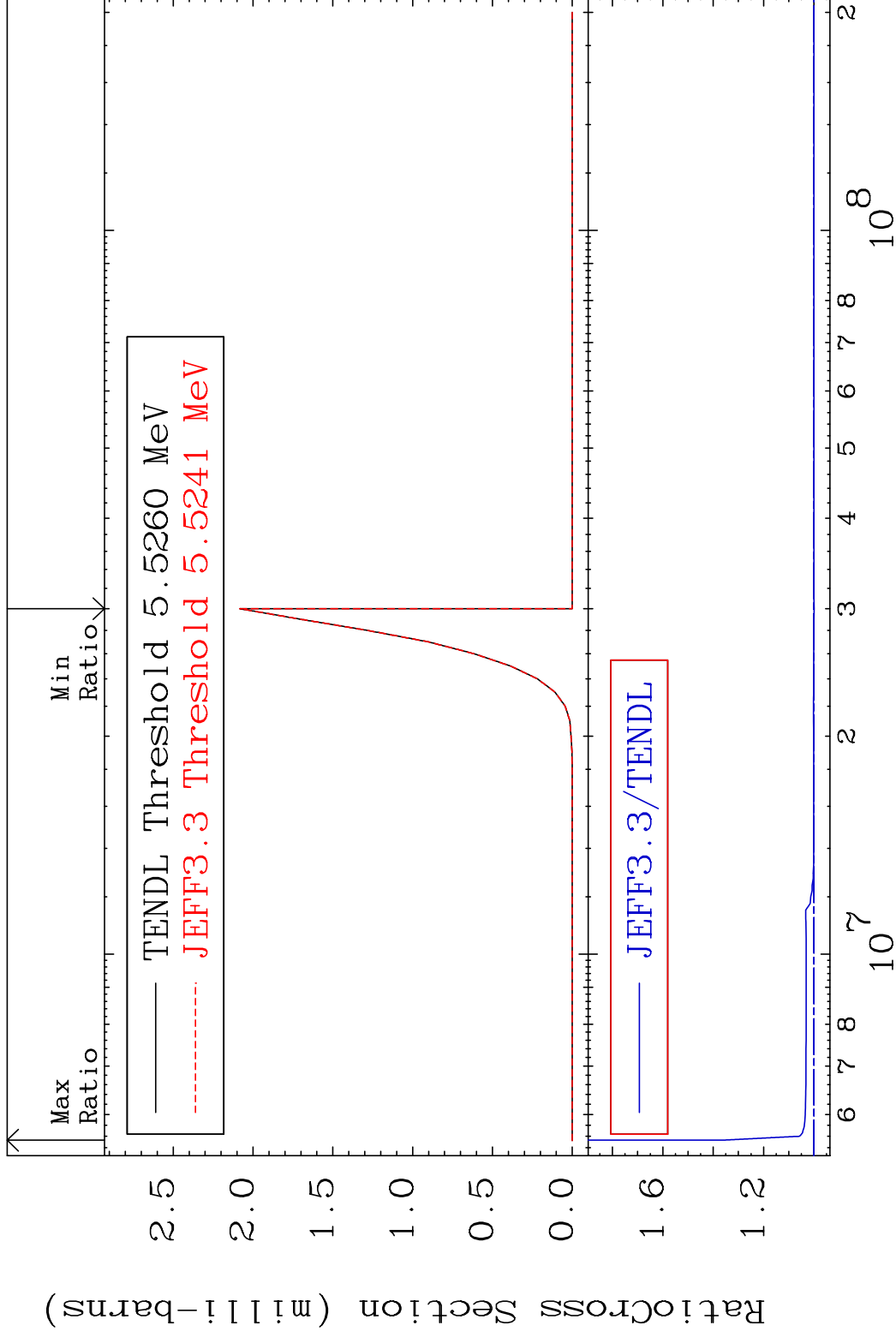
54-Xe-126

MAT 5431

(n, He-3)

54-Xe-126

Cross Section -0.060 To 51.73 %



50

Incident Energy (eV)

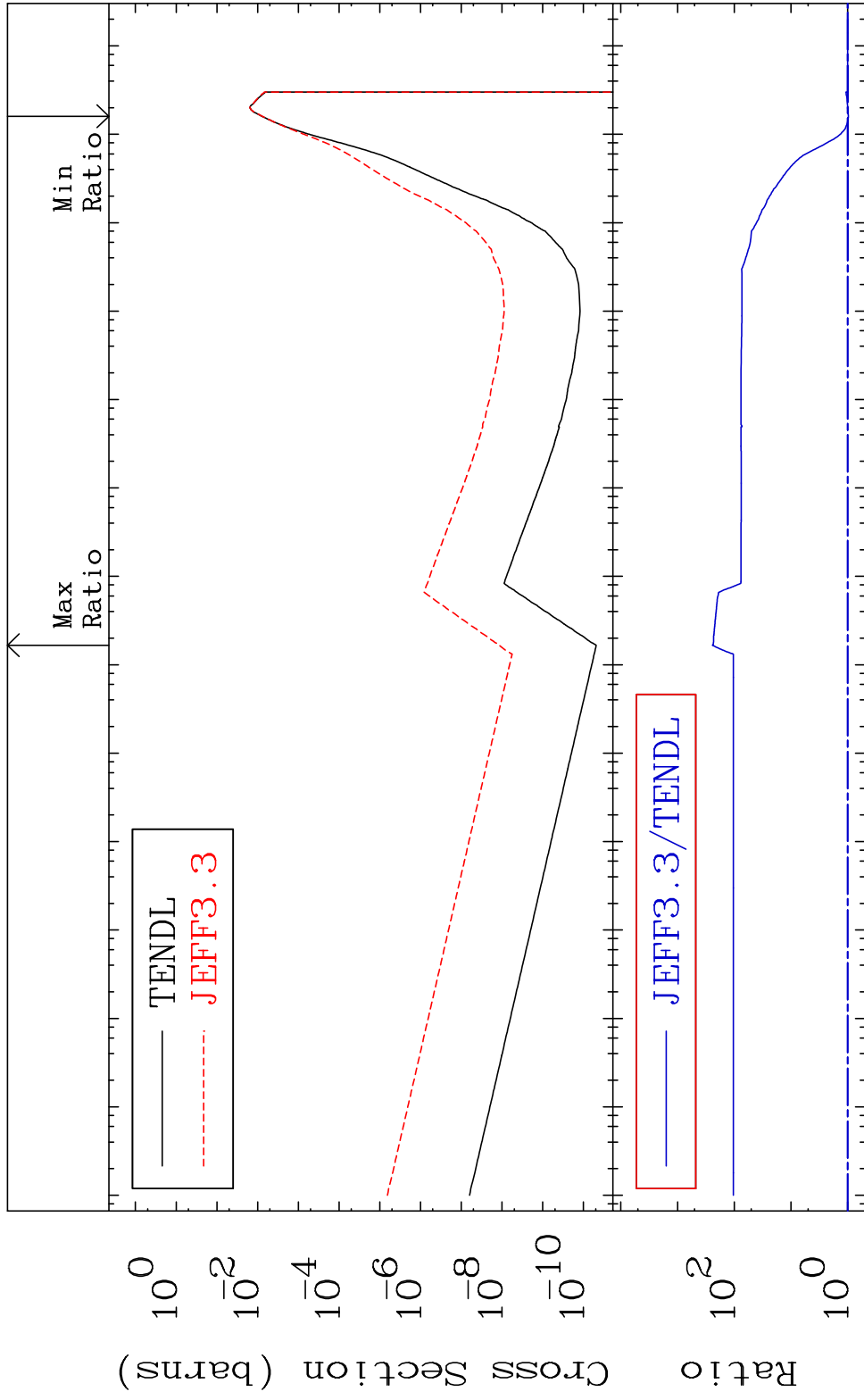
54-Xe-126

MAT 5431

(n, α)

54-Xe-126

Cross Section -2.538 To 9999. %



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

51

Incident Energy (eV)

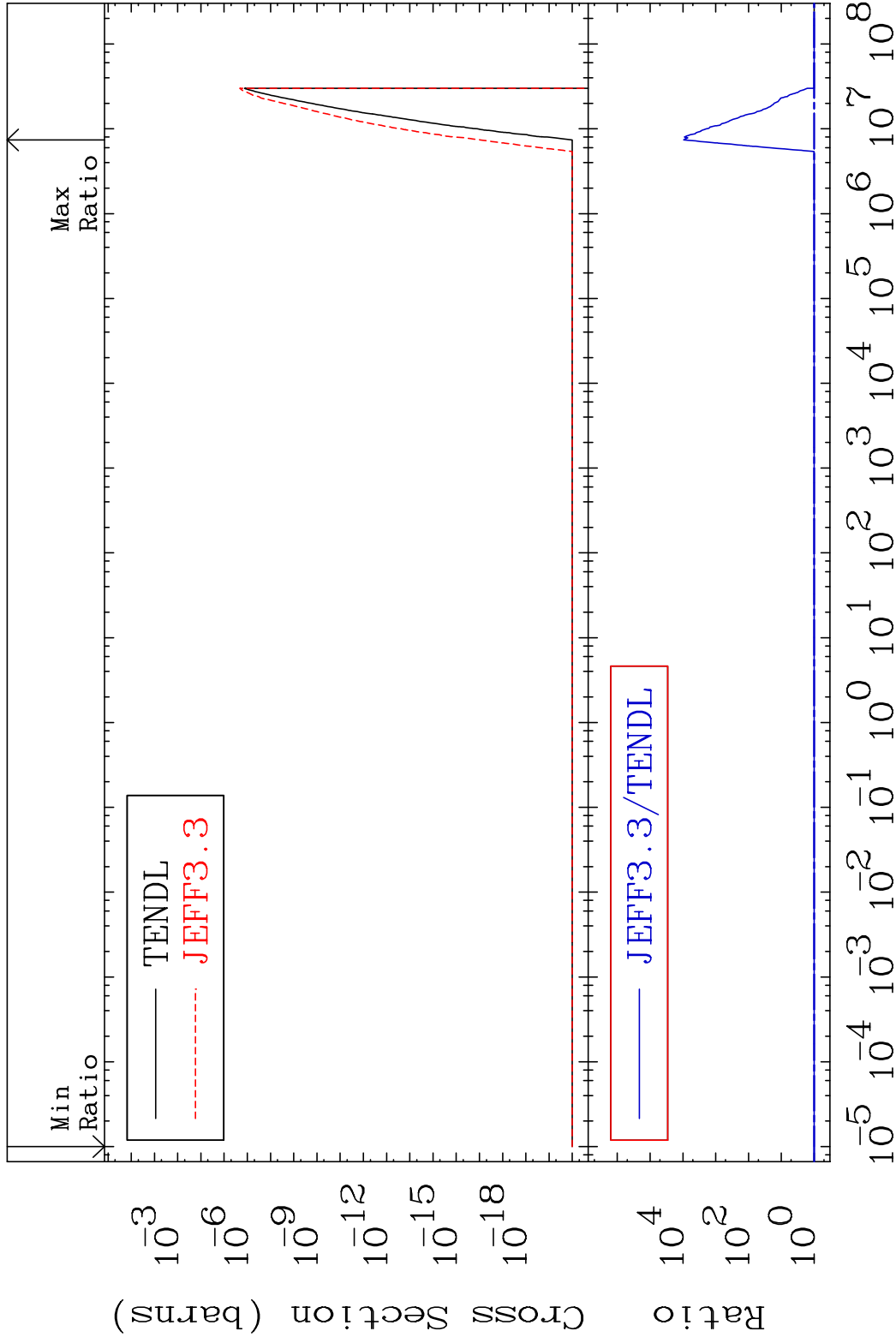
54-Xe-126

MAT 5431

(n,2α)

54-Xe-126

Cross Section 0.000 To 9999. %



52

Incident Energy (eV)

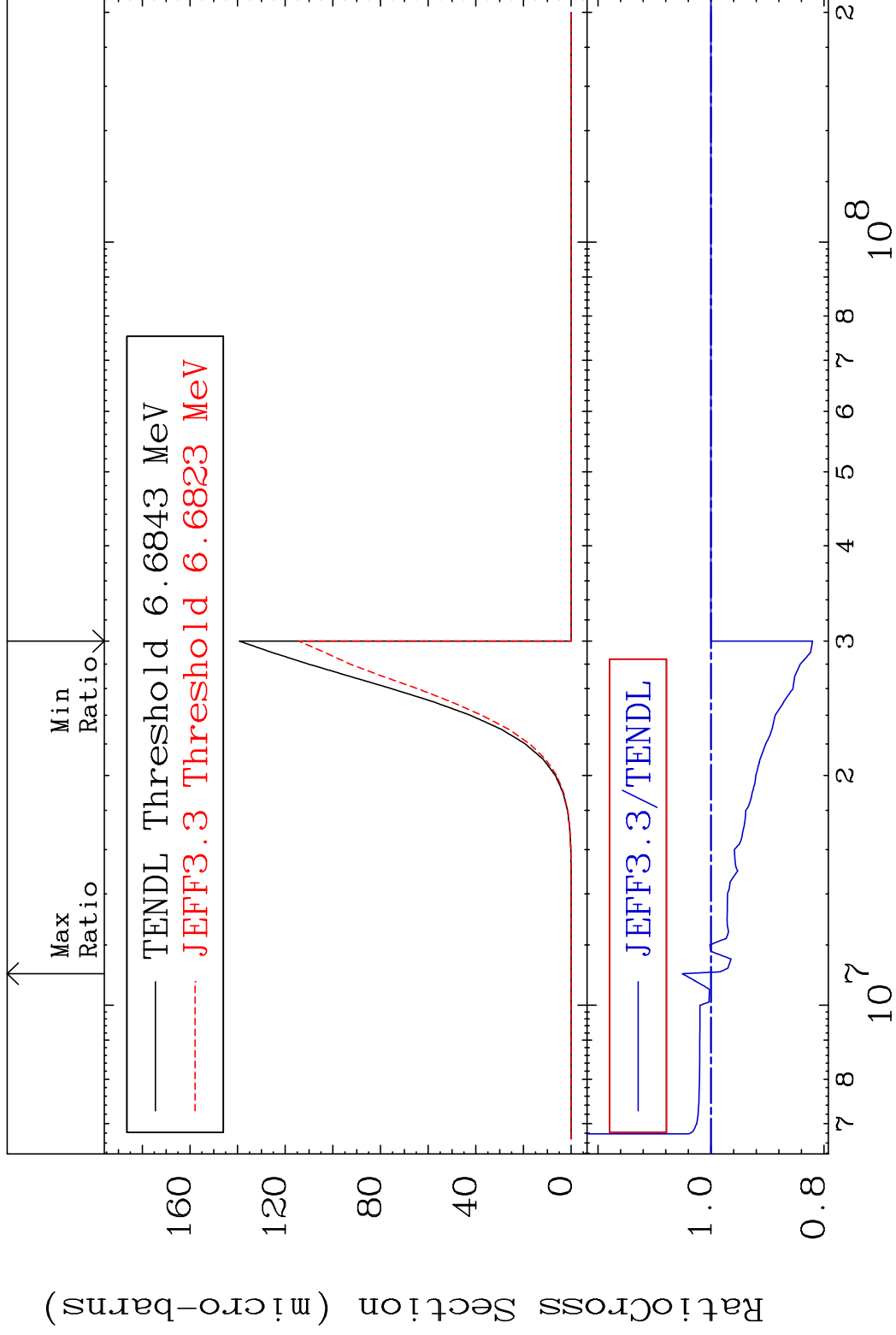
54-Xe-126

MAT 5431

(n,2p)

54-Xe-126

Cross Section -17.98 To 5.074 %



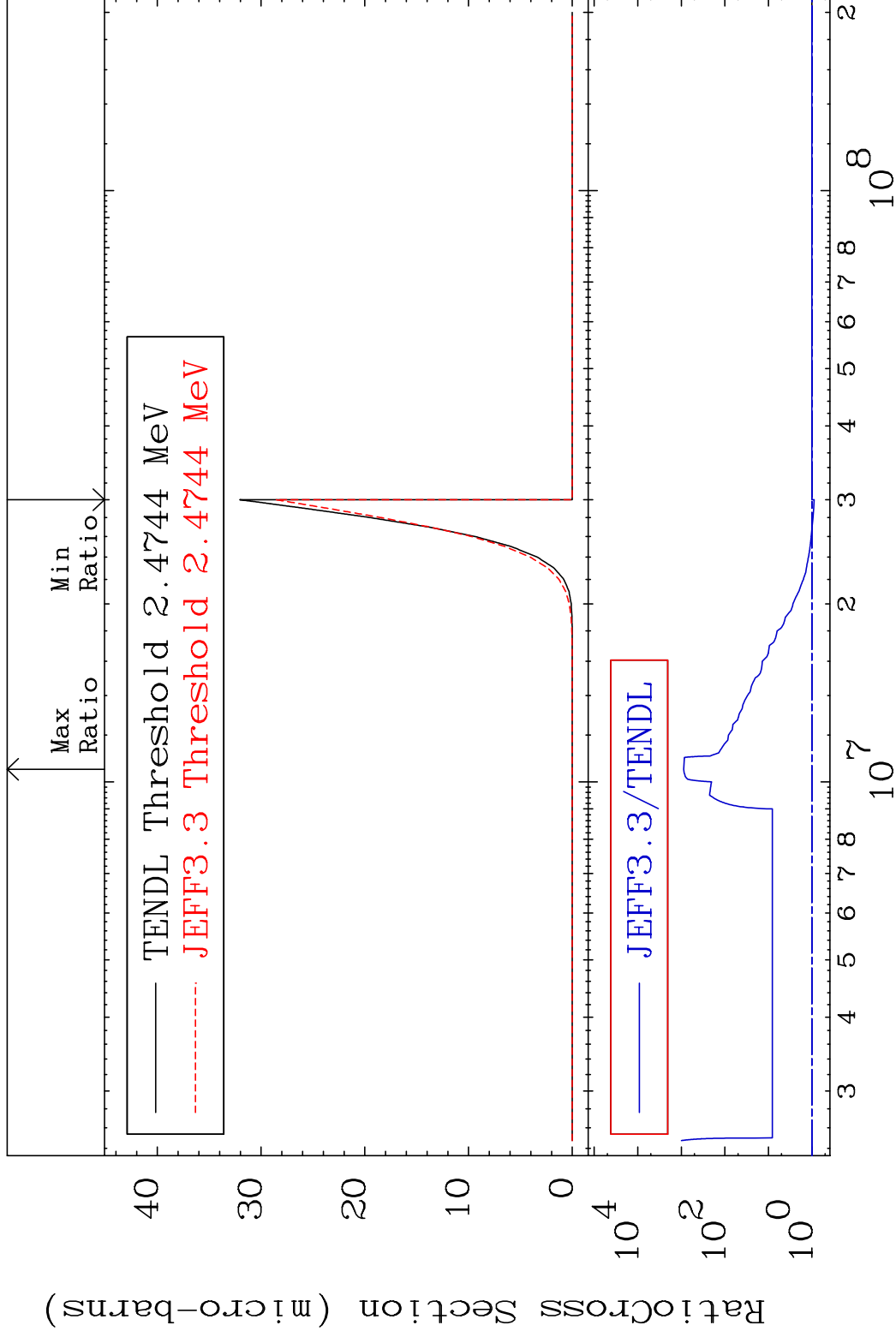
53

Incident Energy (eV)

54-Xe-126

MAT 5431

(n,p) α 54-Xe-126
Cross Section -10.83 To 9999. %



54

Incident Energy (eV)

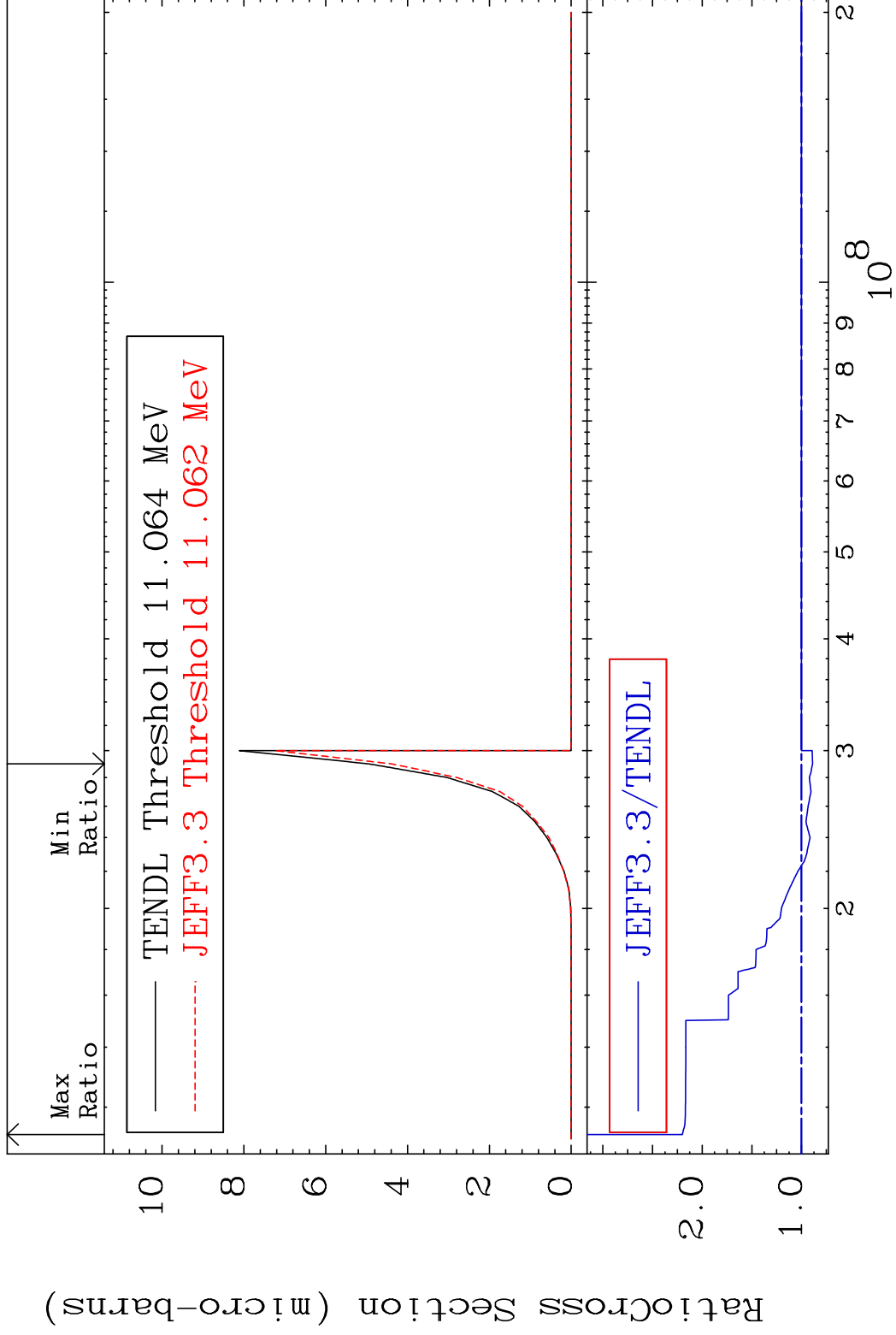
54-Xe-126

MAT 5431

(n,p) d

54-Xe-126

Cross Section -11.12 To 120.0 %



55

Incident Energy (eV)

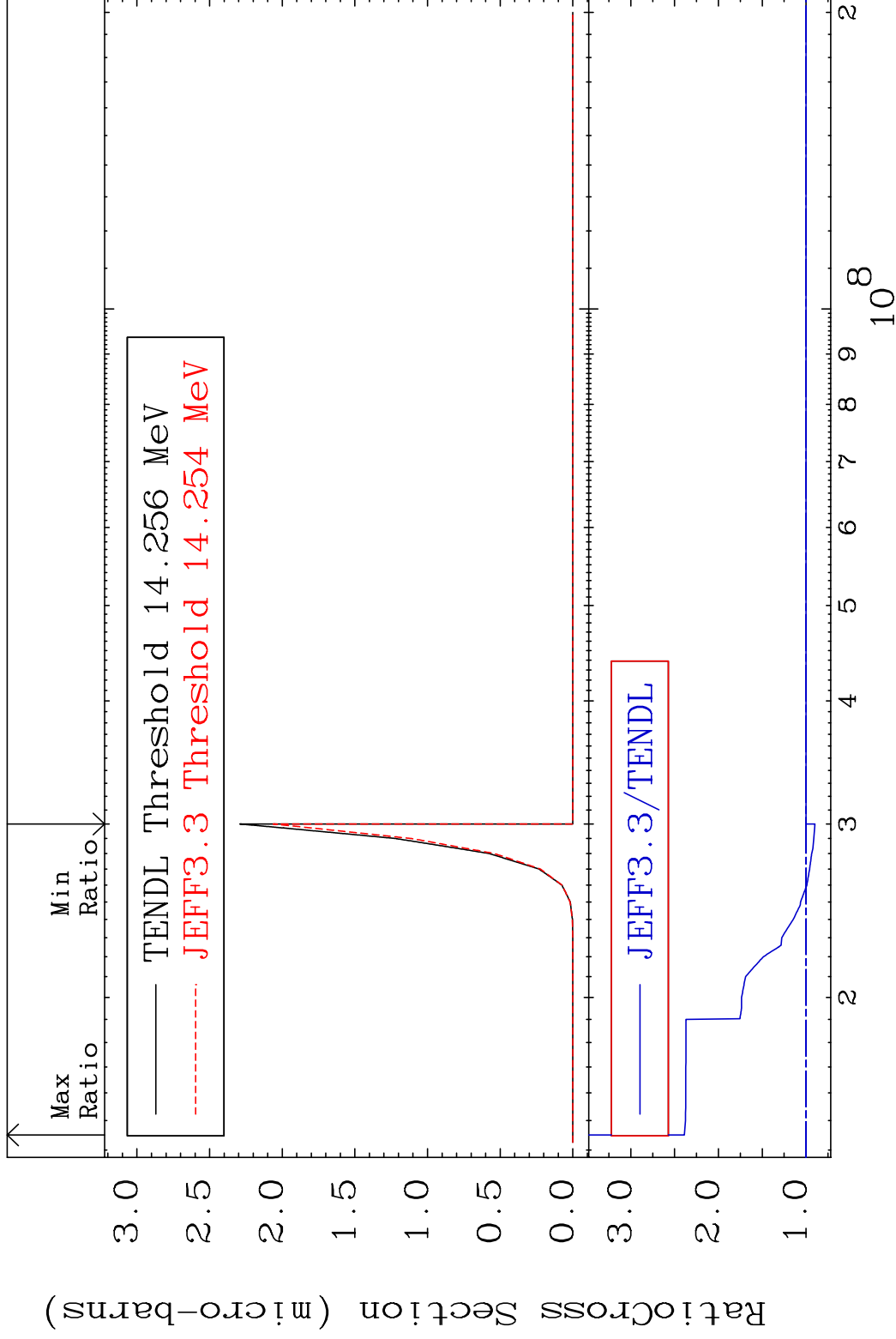
54-Xe-126

MAT 5431

(n,p) t

54-Xe-126

Cross Section -10.05 To 138.9 %



56

Incident Energy (eV)

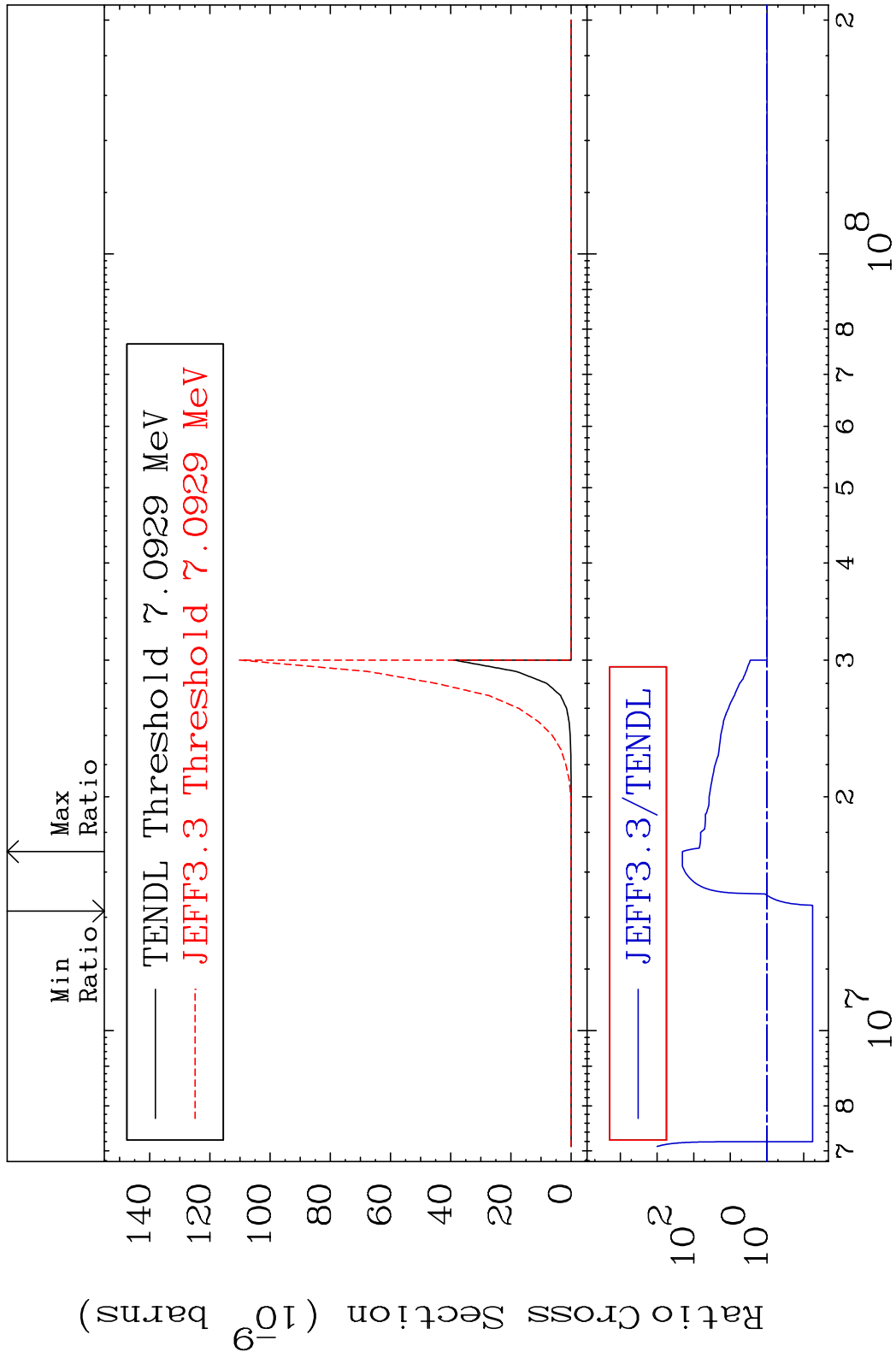
54-Xe-126

MAT 5431

(n,d) α

54-Xe-126

Cross Section -94.28 To 9999. %



57

Incident Energy (eV)

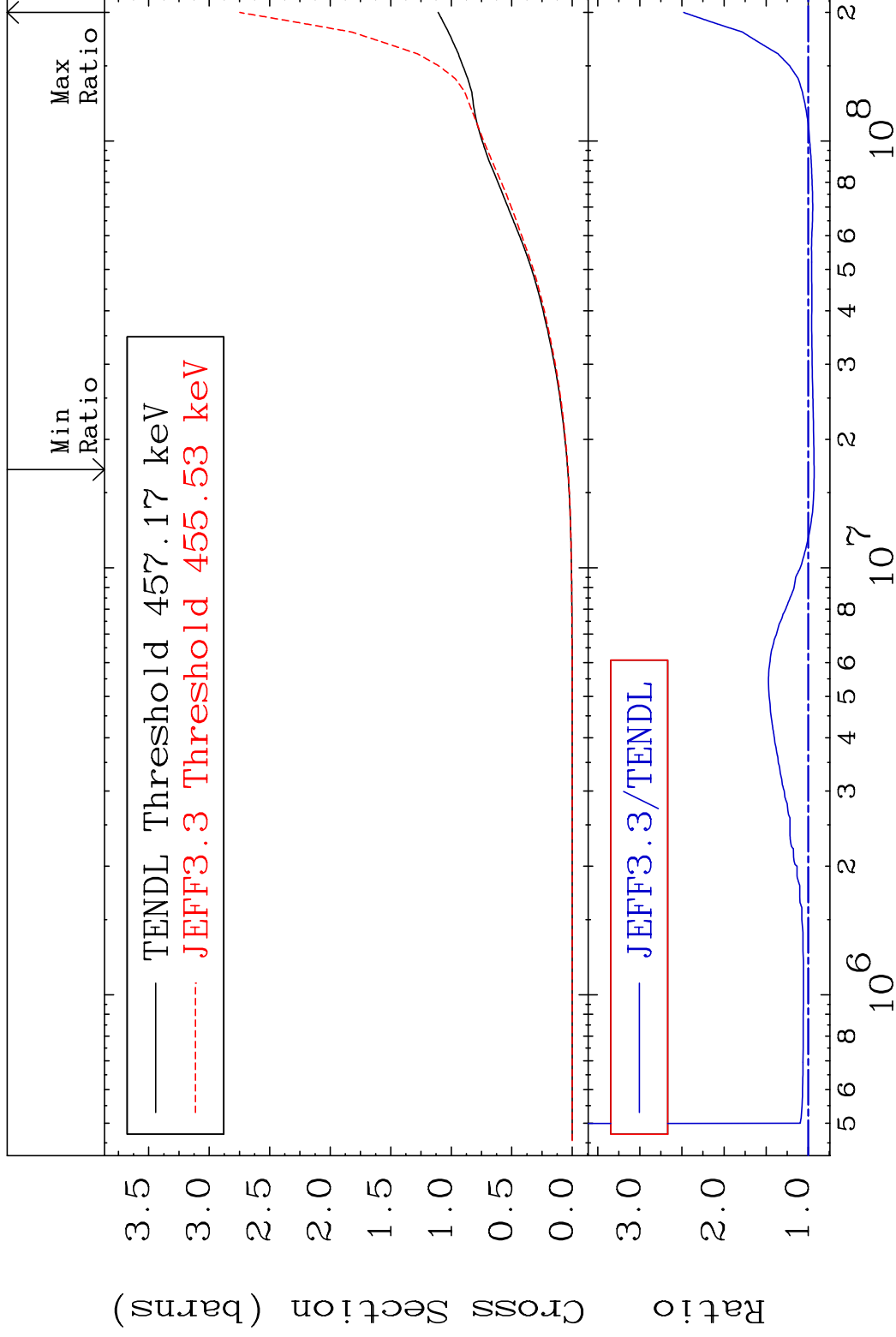
54-Xe-126

MAT 5431

Hydrogen Production

54-Xe-126

Cross Section -6.916 To 147.9 %



58

Incident Energy (eV)

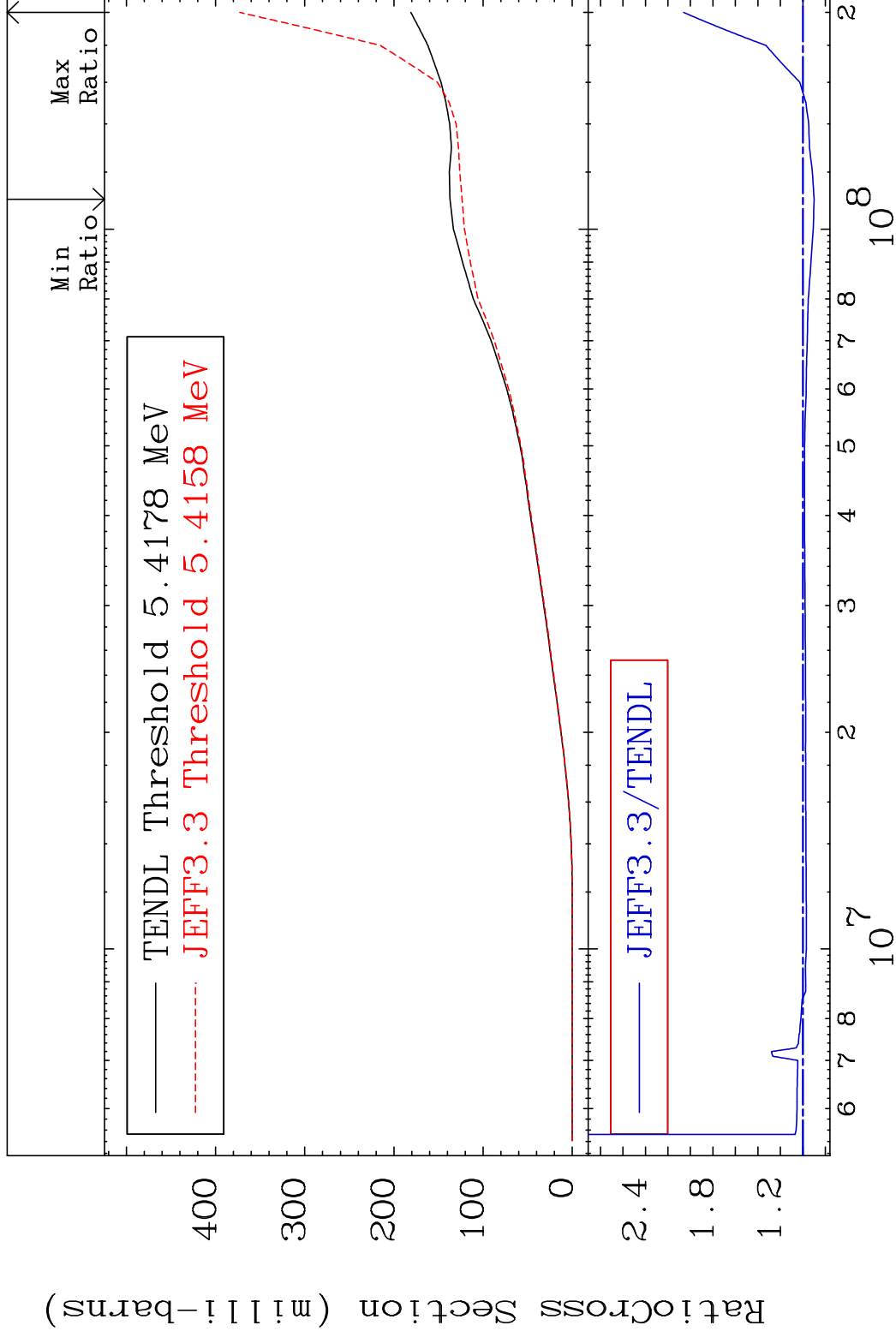
54-Xe-126

MAT 5431

Deuterium Production

54-Xe-126

Cross Section -9.985 To 106.0 %



59

Incident Energy (eV)

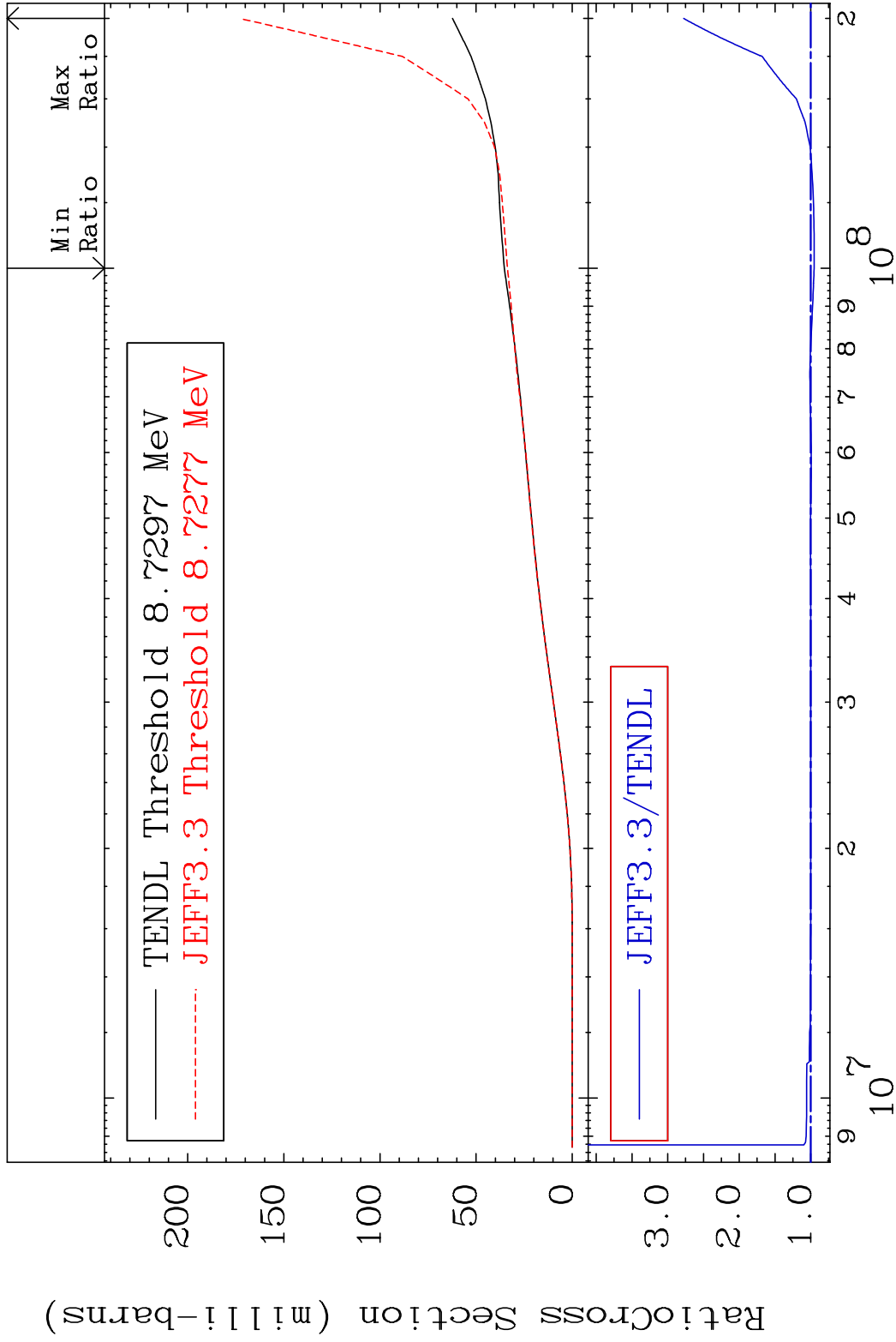
54-Xe-126

MAT 5431

Tritium Production

54-Xe-126

Cross Section -4.654 To 177.7 %



60

Incident Energy (eV)

54-Xe-126

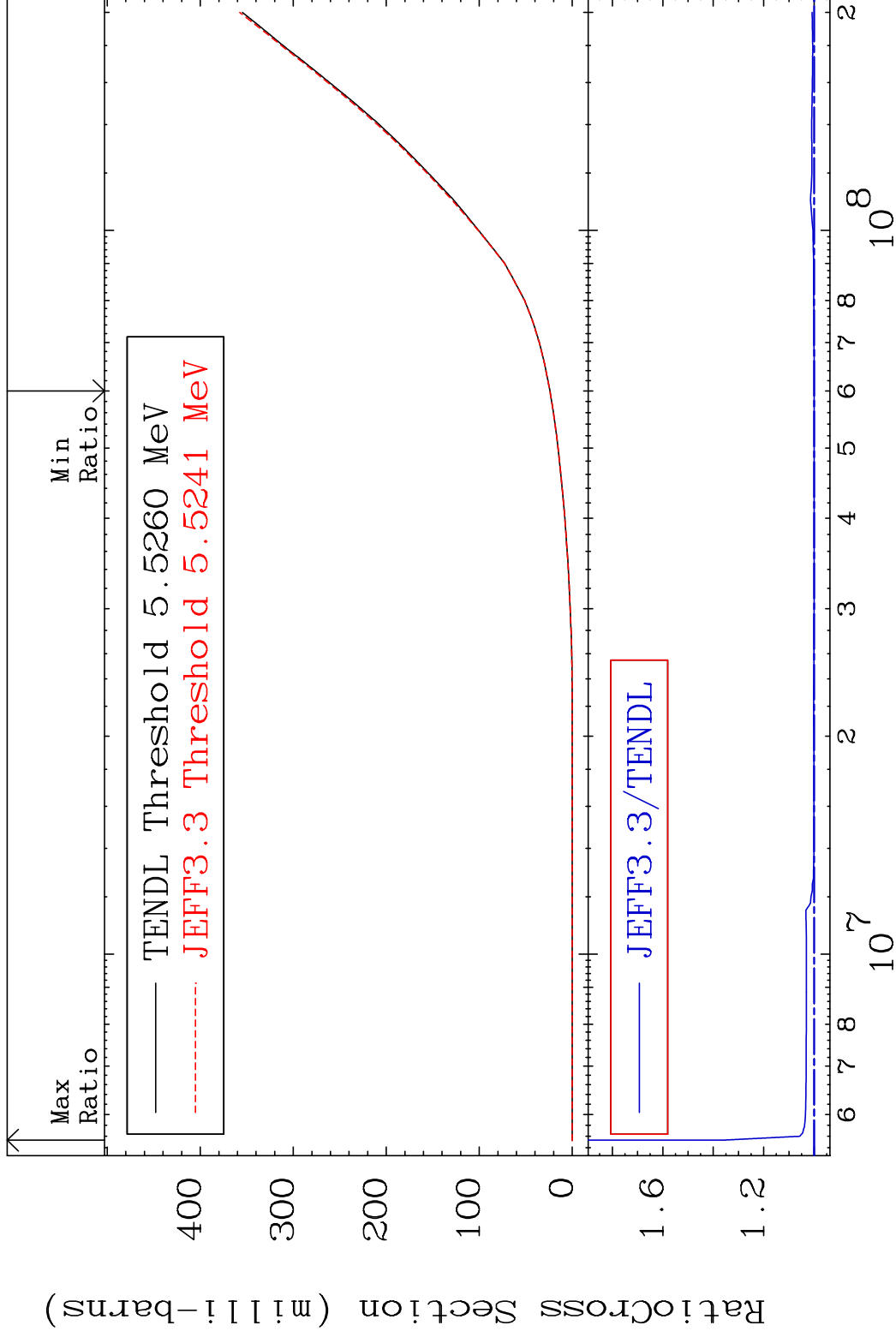
MAT 5431

He-3 Production

54-Xe-126

Cross Section 0.025

To 51.73 %



61

Incident Energy (eV)

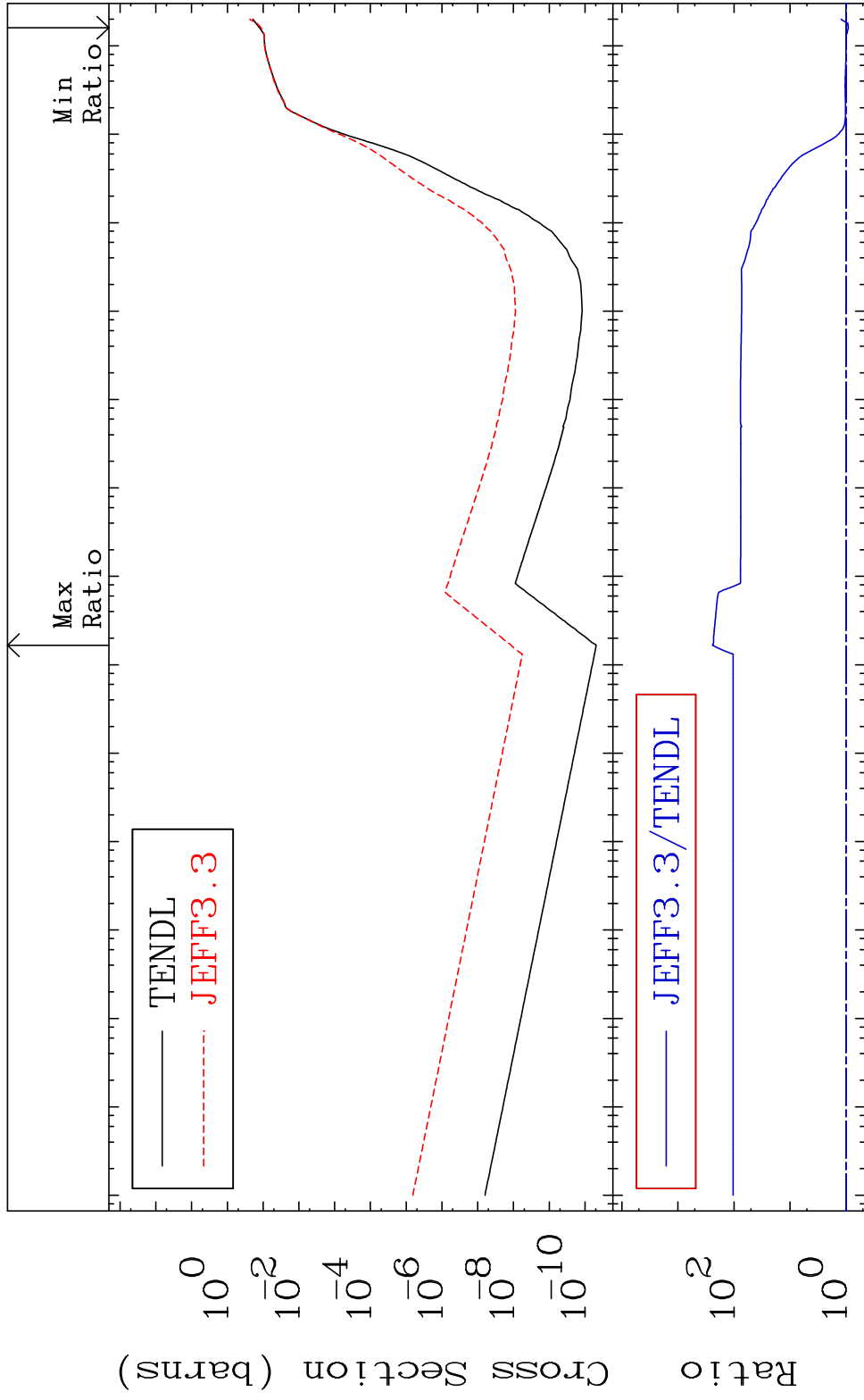
54-Xe-126

MAT 5431

He-4 Production

54-Xe-126

Cross Section -8.777 To 9999. %



62

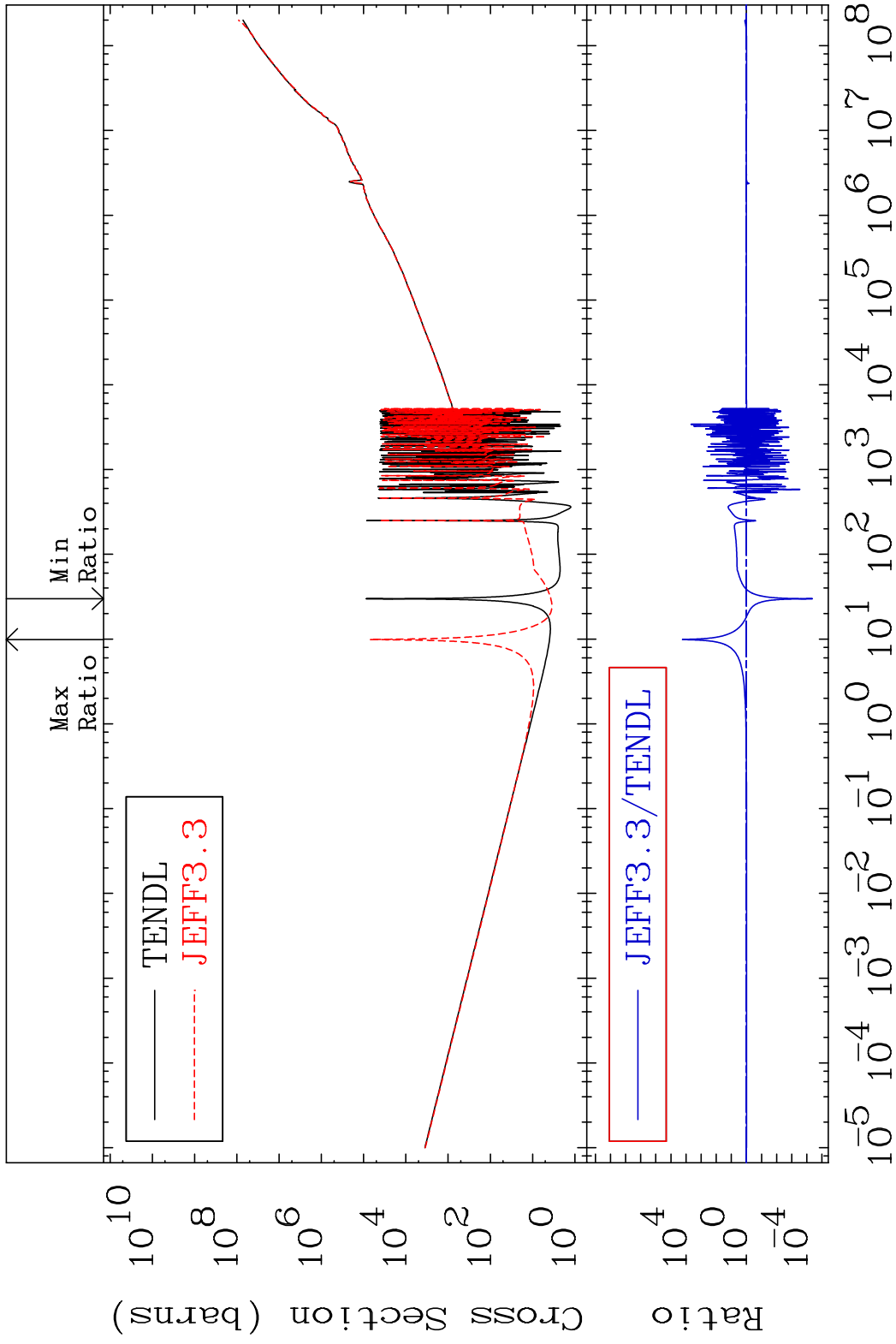
Incident Energy (eV)

54-Xe-126

MAT 5431

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

Cross Section -100.0 To 9999. %



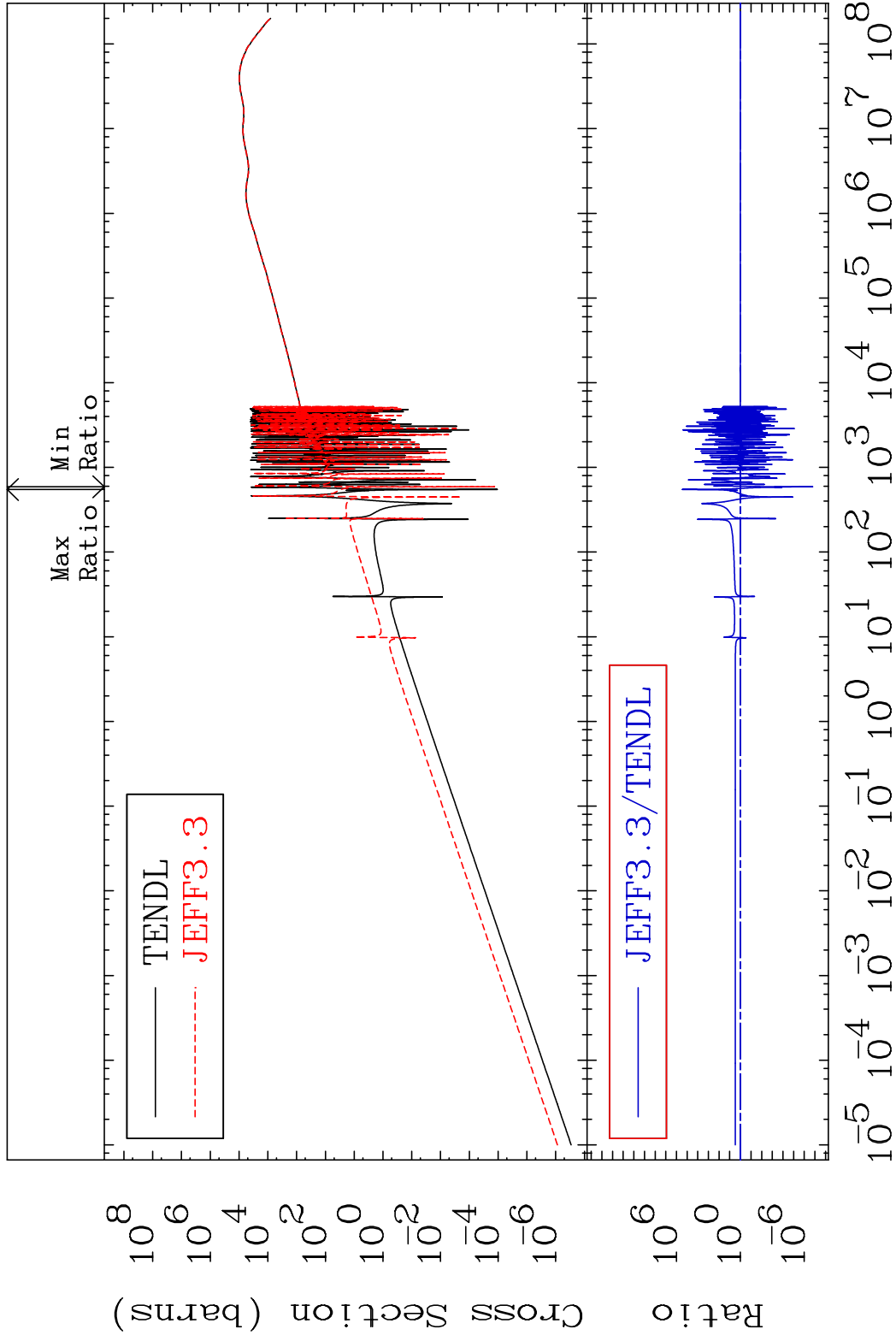
63

Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma elastic
Cross Section -100.0 To 9999. %
54-Xe-126

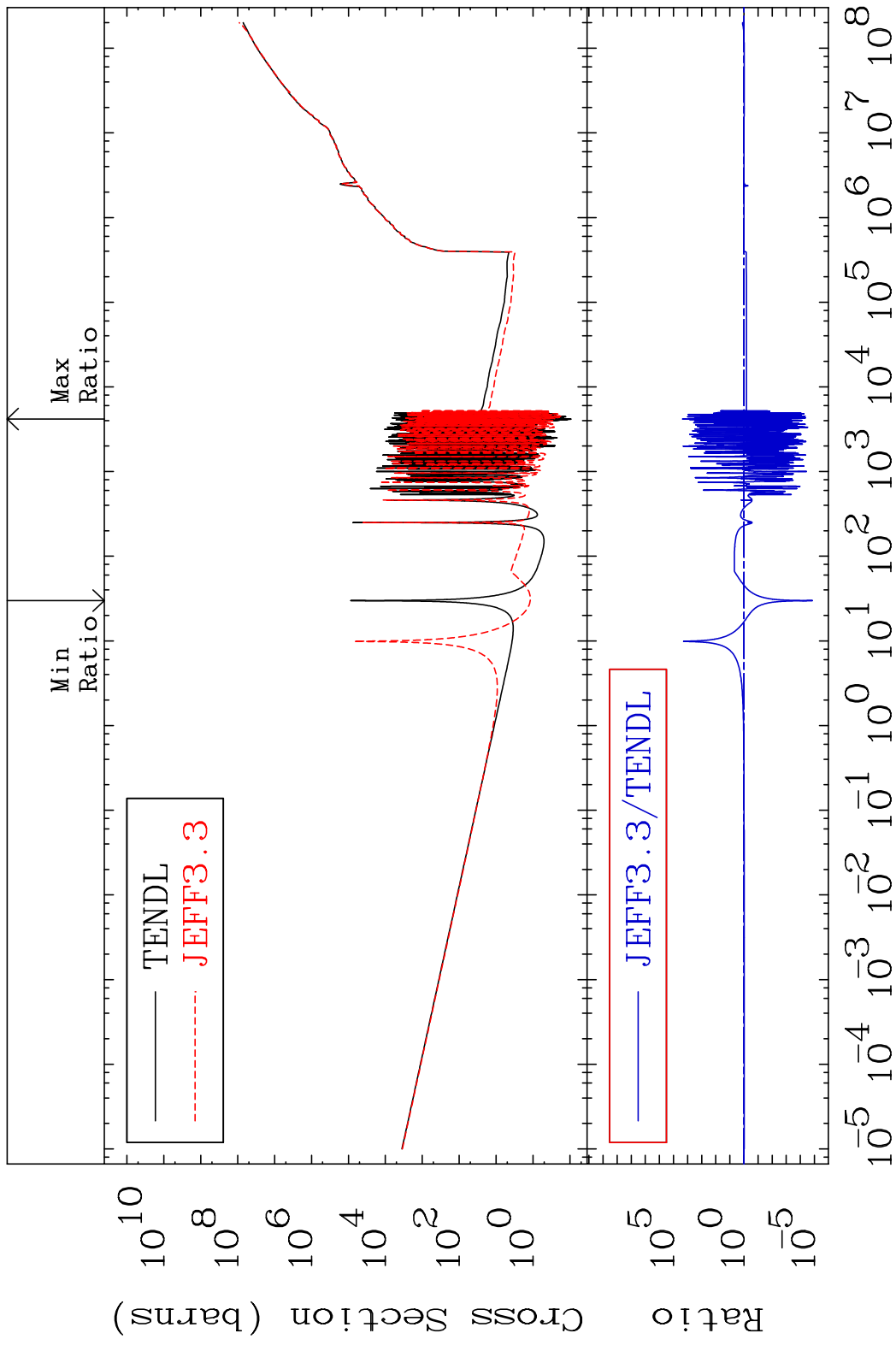


64

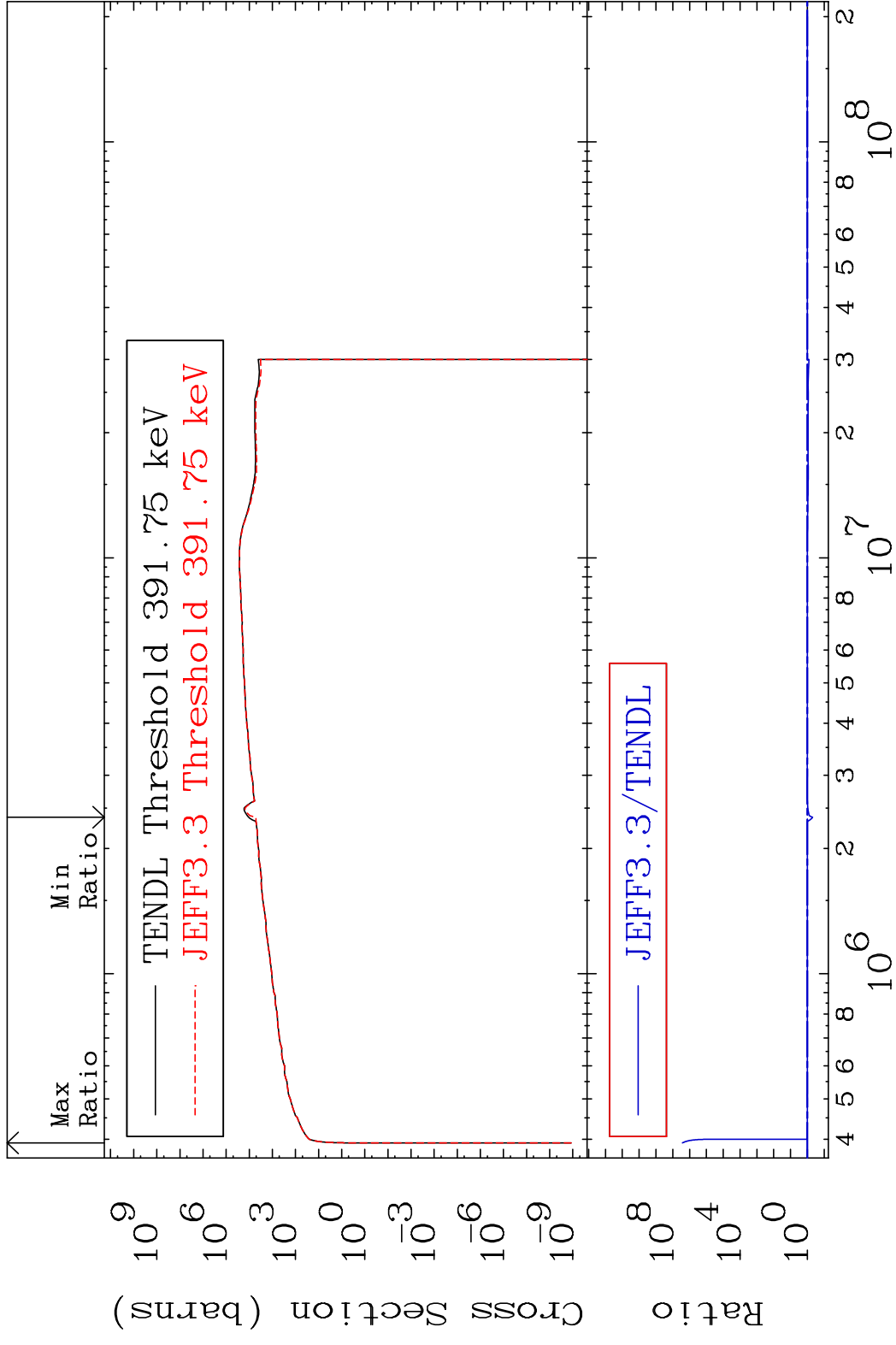
Incident Energy (eV)

54-Xe-126

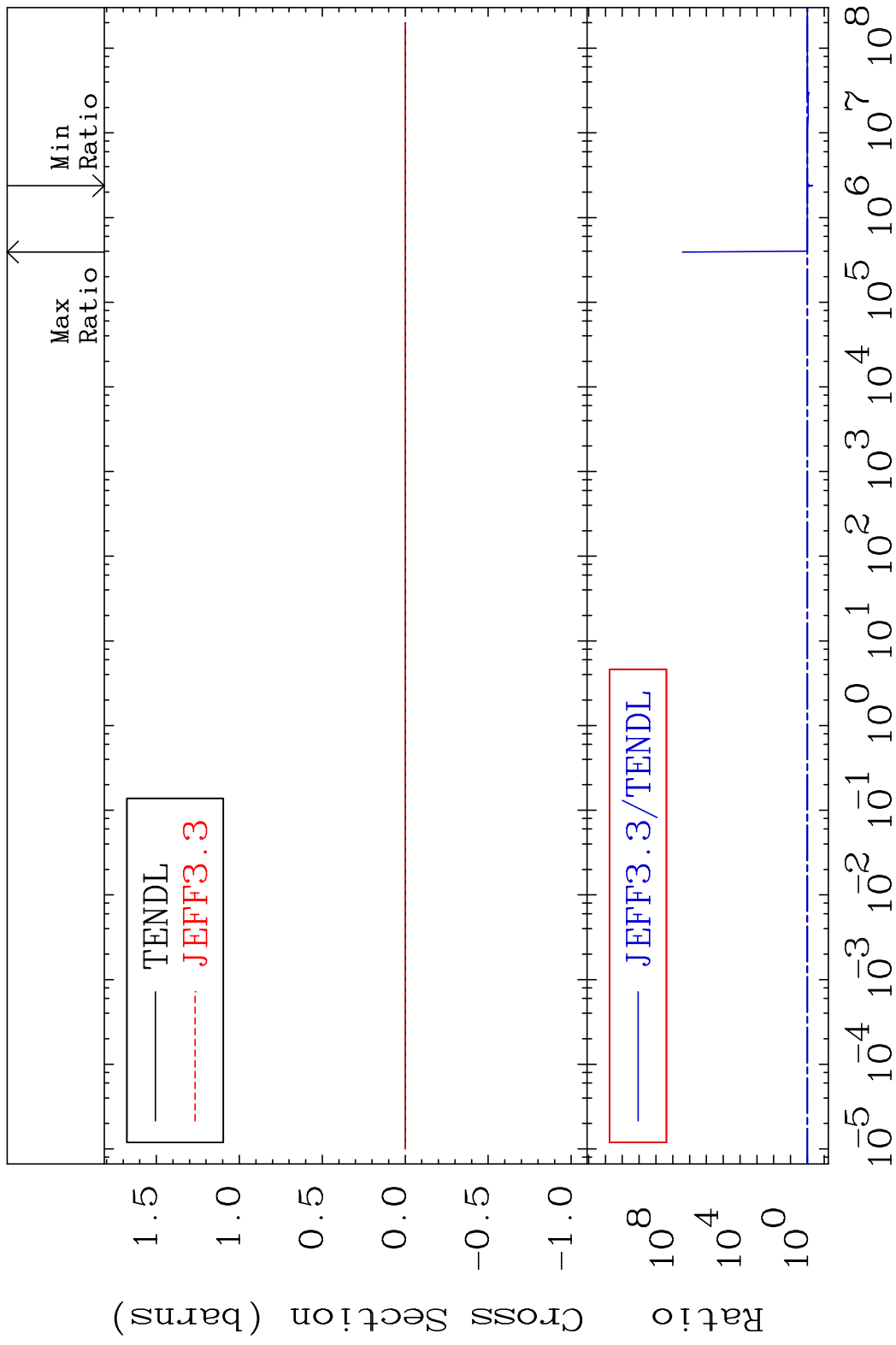
MAT 5431 Kerma non-elastic (all but mt2) 54-Xe-126
 Cross Section -100.0 To 9999. %



MAT 5431 Kerma inelastic (mt51-91) 54-Xe-126
 Cross Section -51.20 To 9999. %



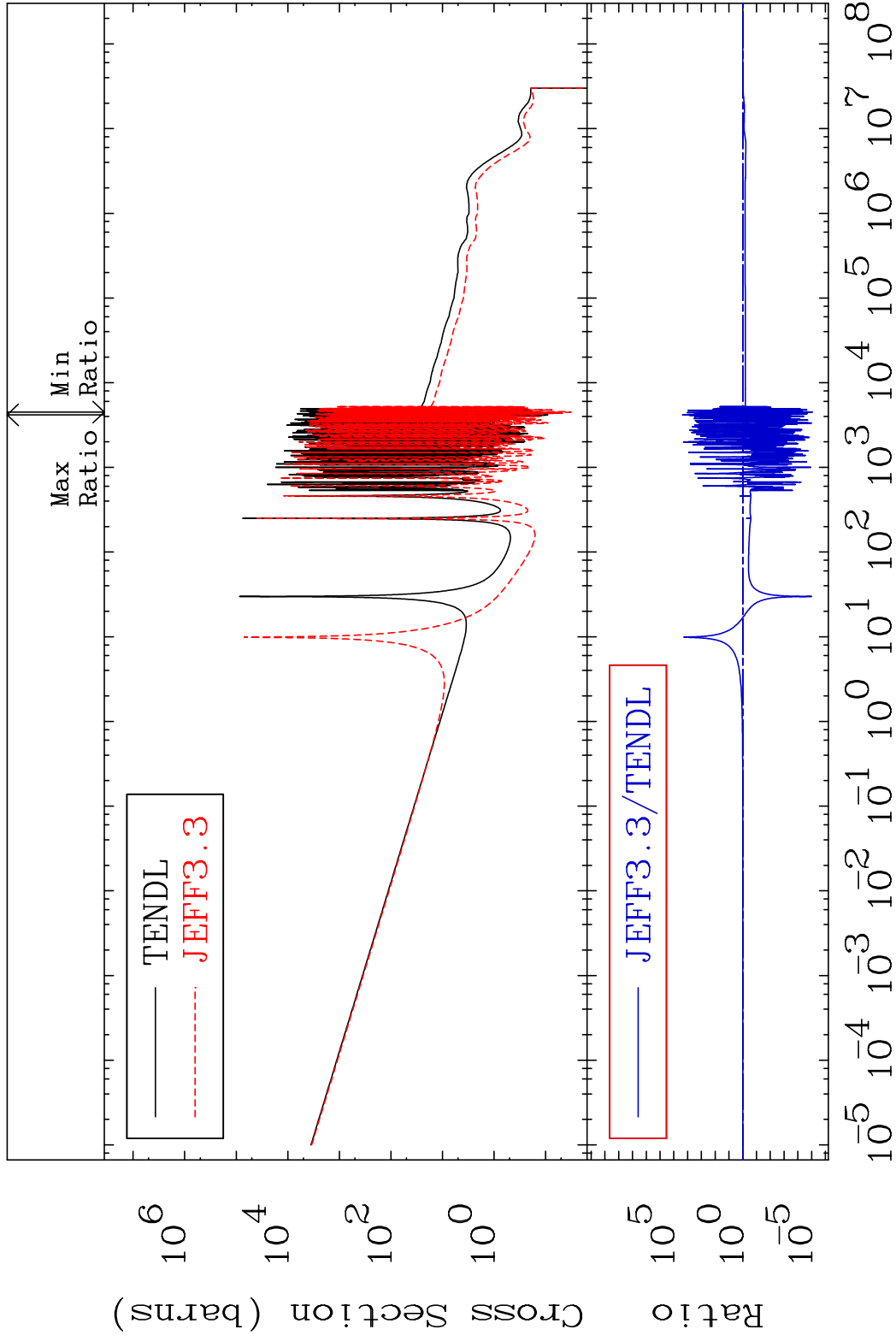
MAT 5431 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-126
 Cross Section -51.20 To 9999. %



MAT 5431

Kerma capture (mt102) 54-Xe-126

Cross Section -100.0 To 9999. %

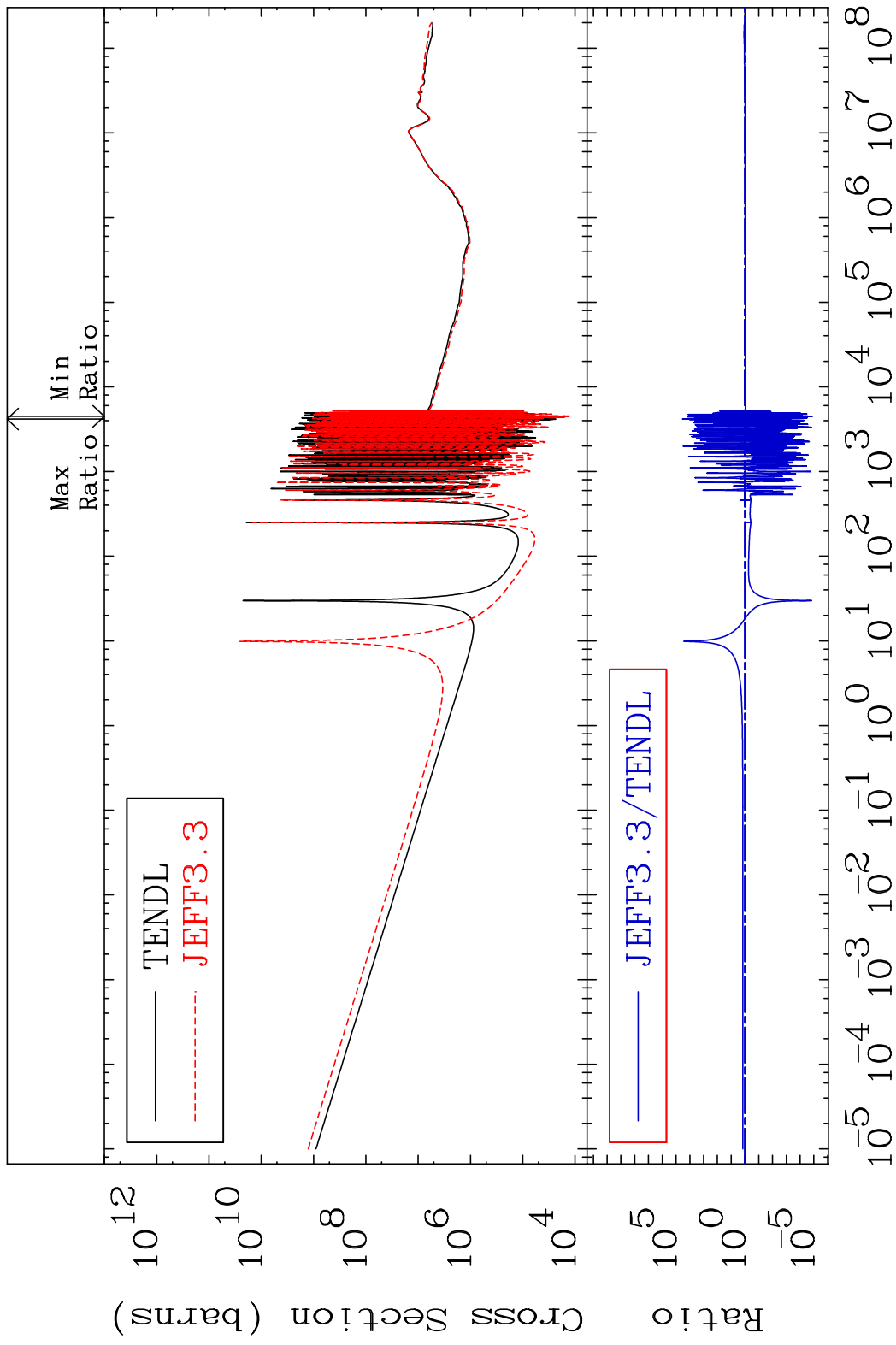


68

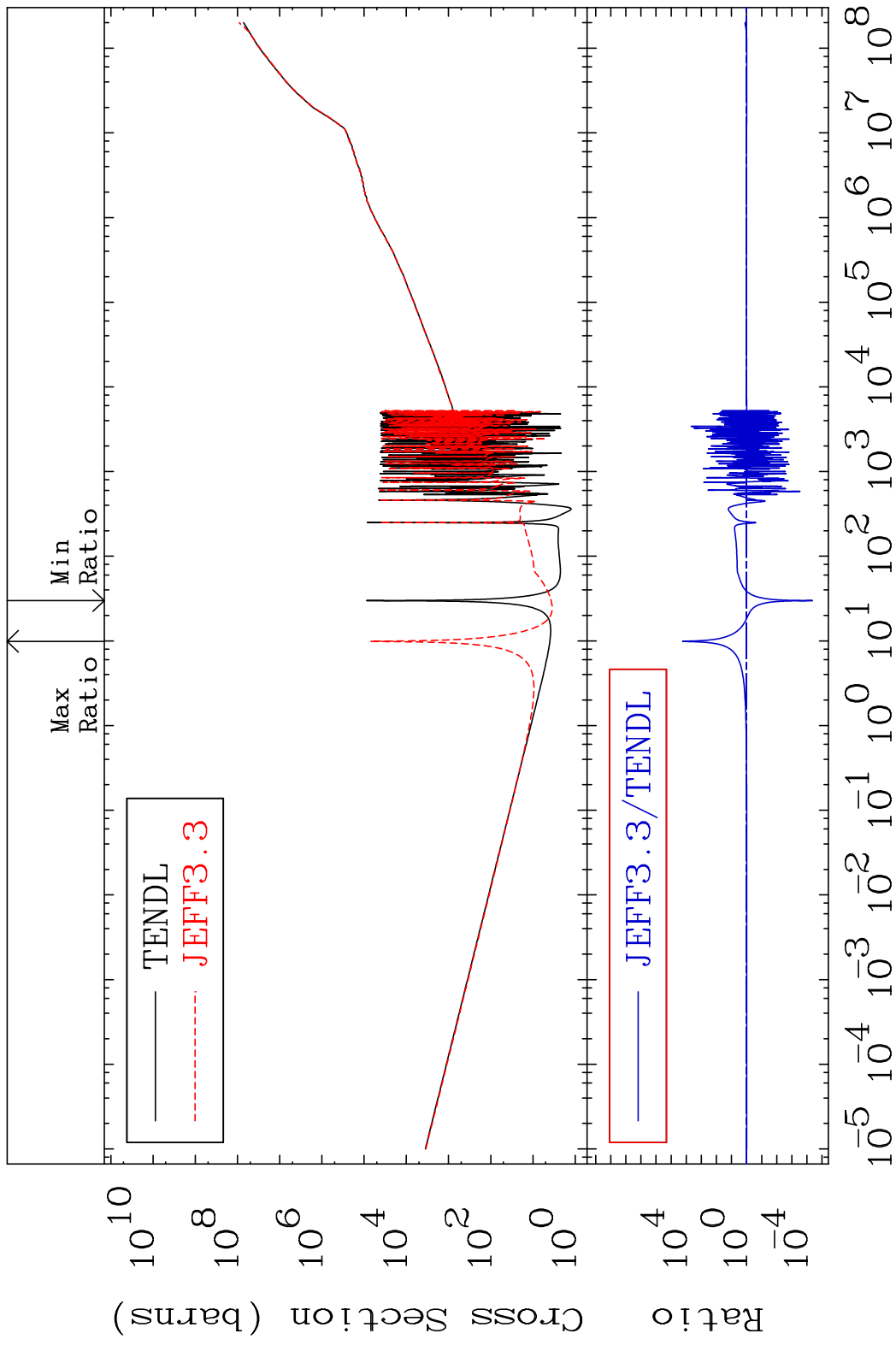
Incident Energy (eV)

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 -100.0 To 9999. %

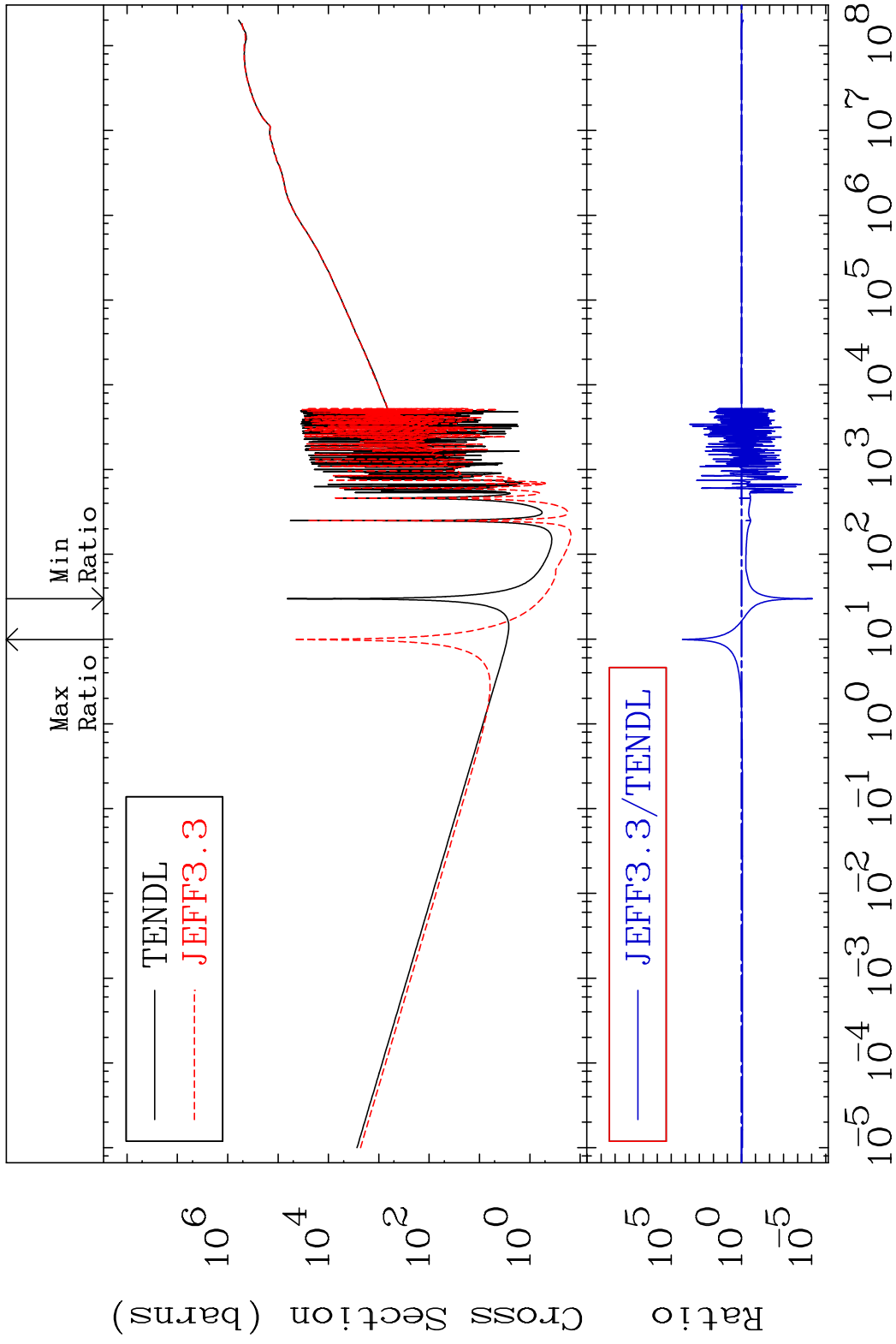


MAT 5431

Dpa total (eV-barns)

54-Xe-126

Cross Section -100.0 To 9999. %



71

Incident Energy (eV)

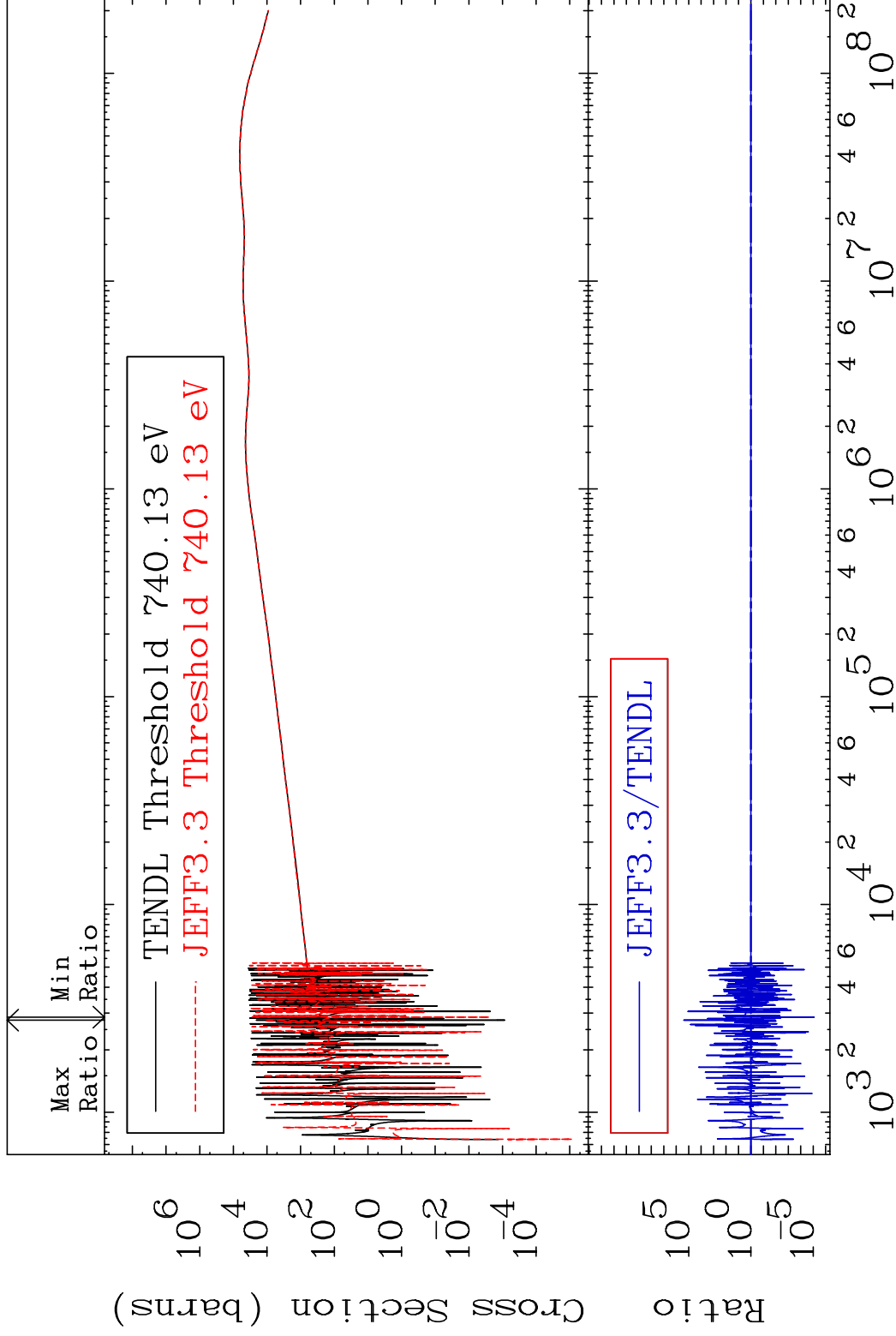
54-Xe-126

MAT 5431

Dpa elastic (mt2)

54-Xe-126

Cross Section -100.0 To 9999. %



72

Incident Energy (eV)

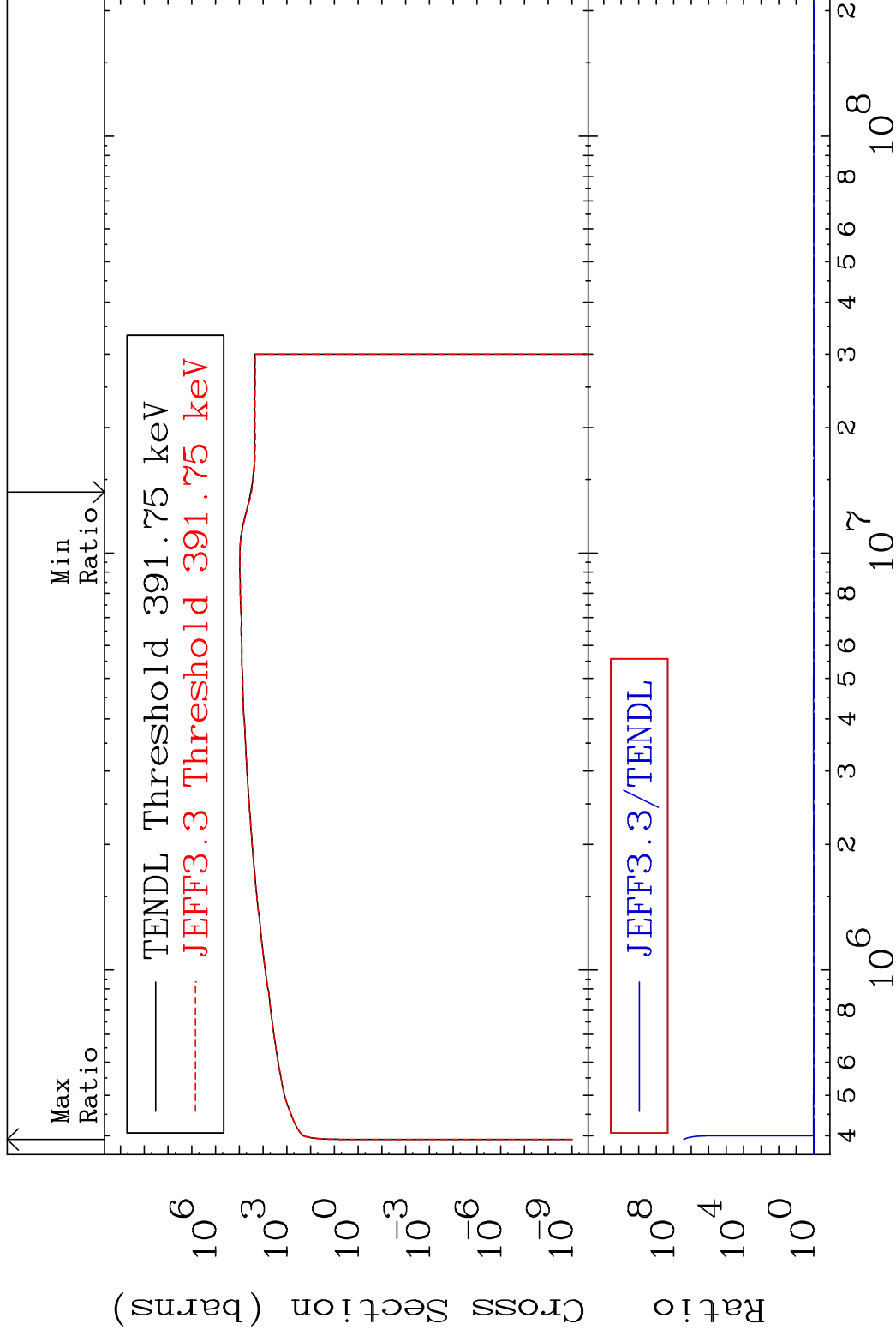
54-Xe-126

MAT 5431

Dpa inelastic (mt51-91)

54-Xe-126

Cross Section -6.133 To 9999. %

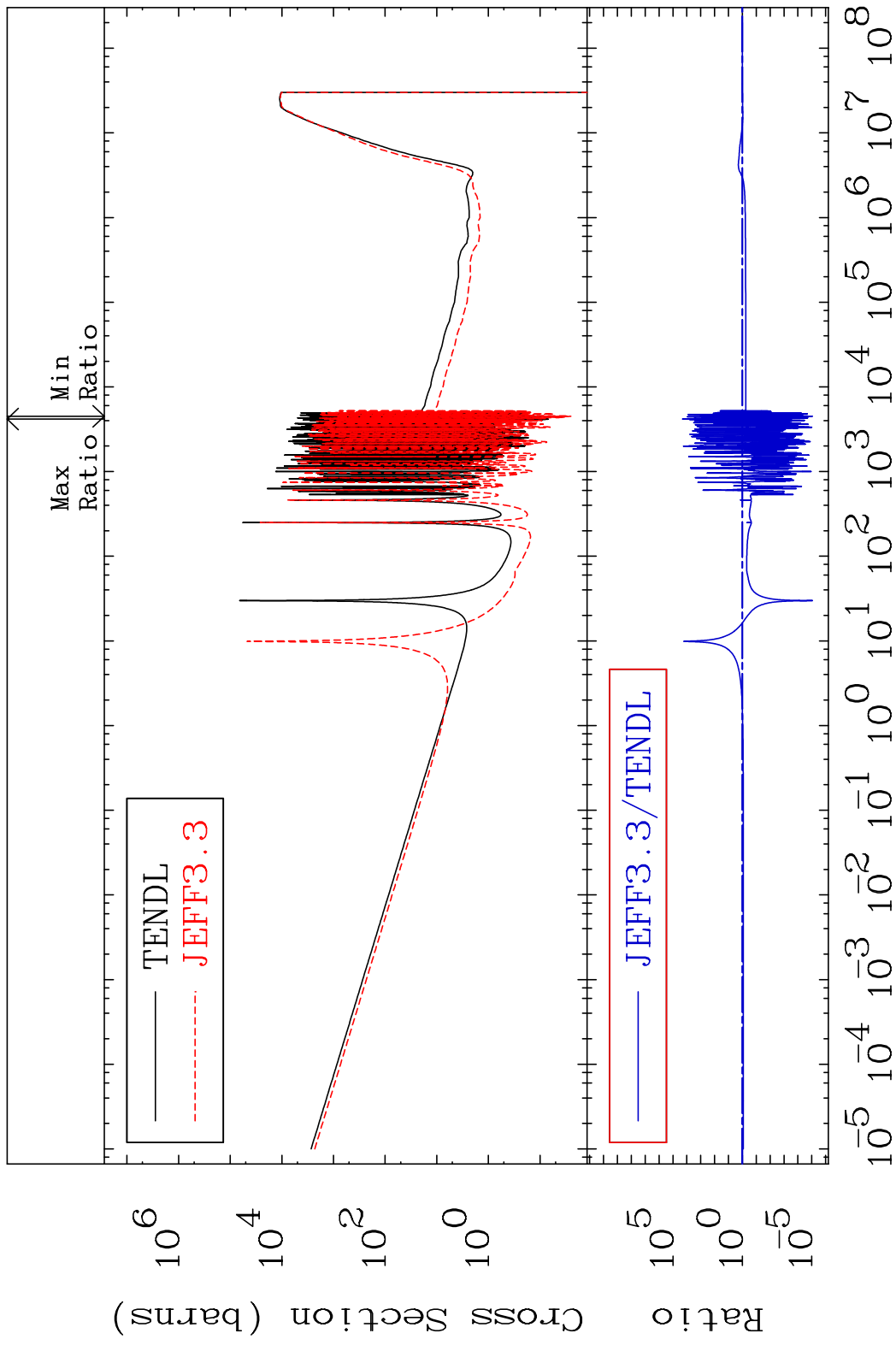


73

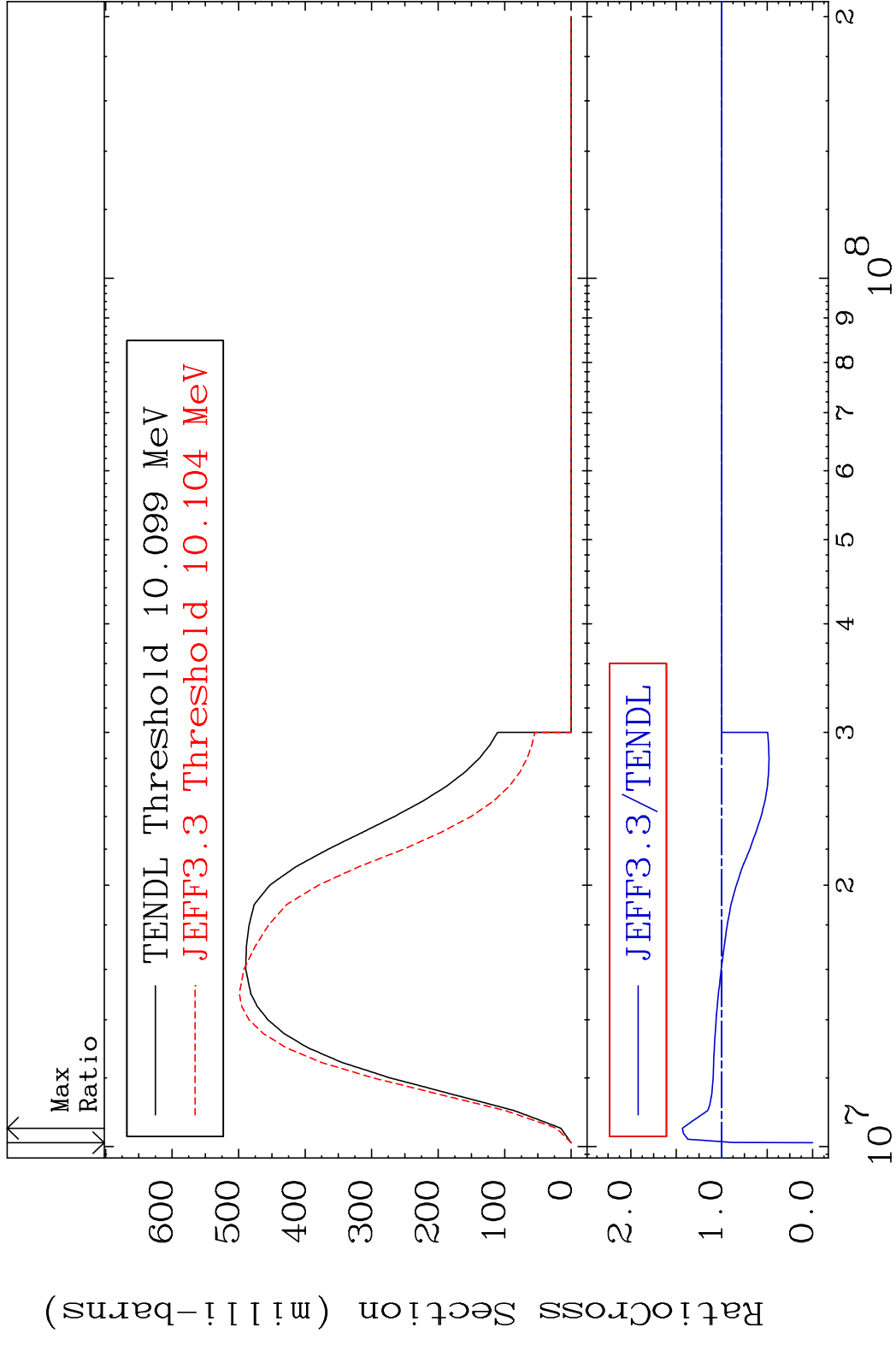
Incident Energy (eV)

54-Xe-126

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

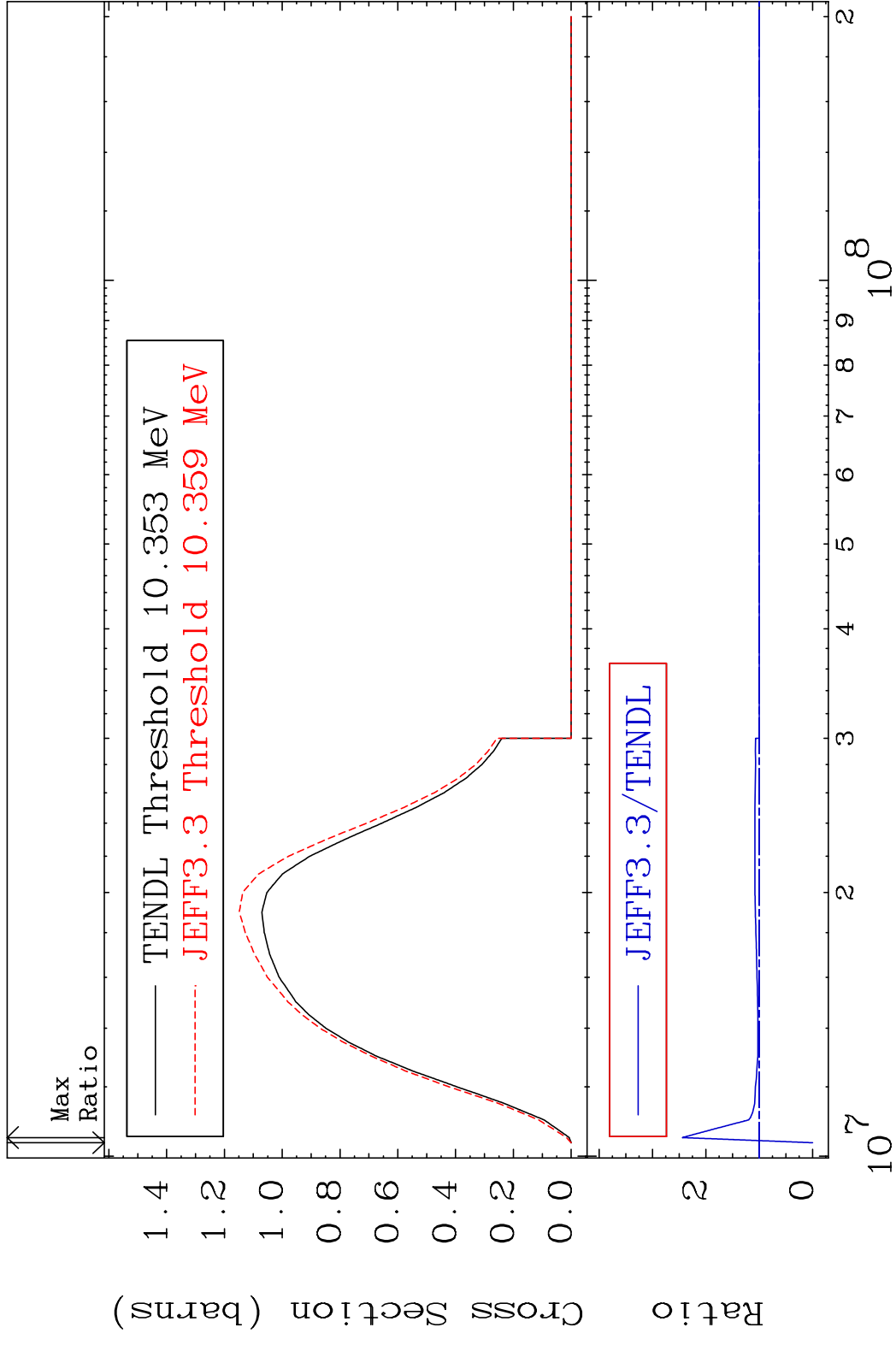


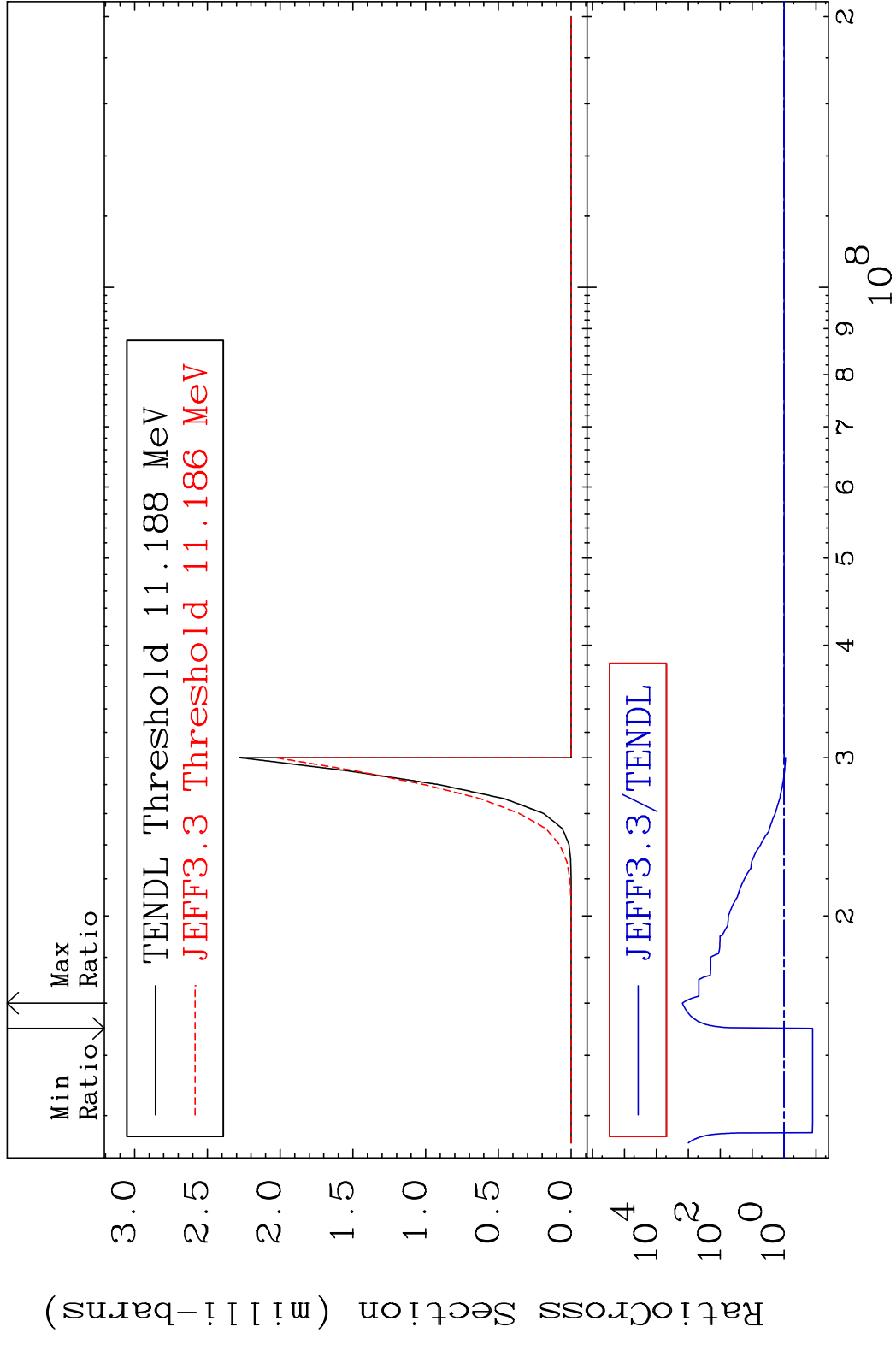
MAT 5431 (n,2n):54-Xe-125g 54-Xe-126
 Radionuclide Production Cross Section 43.32 %

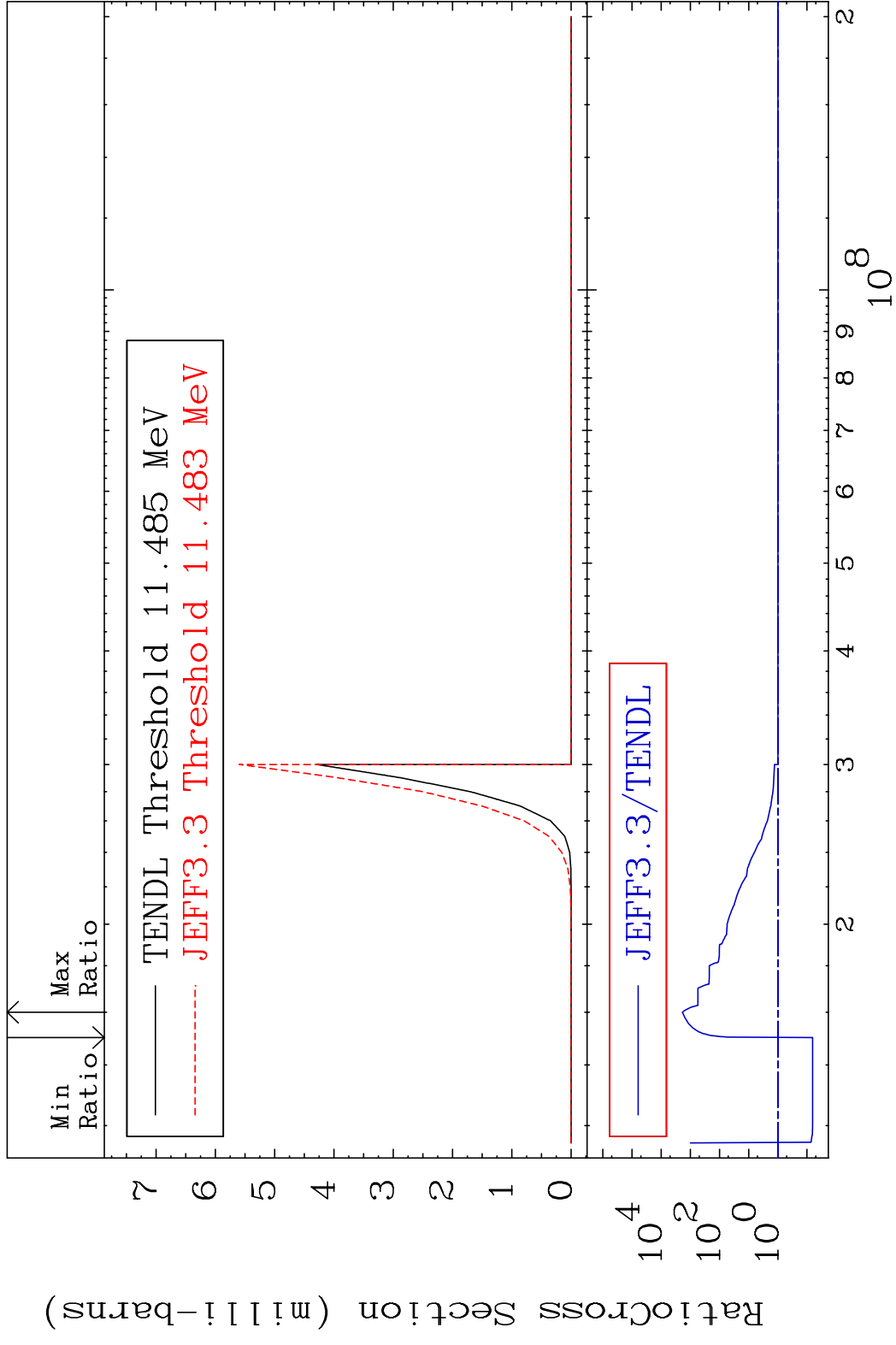


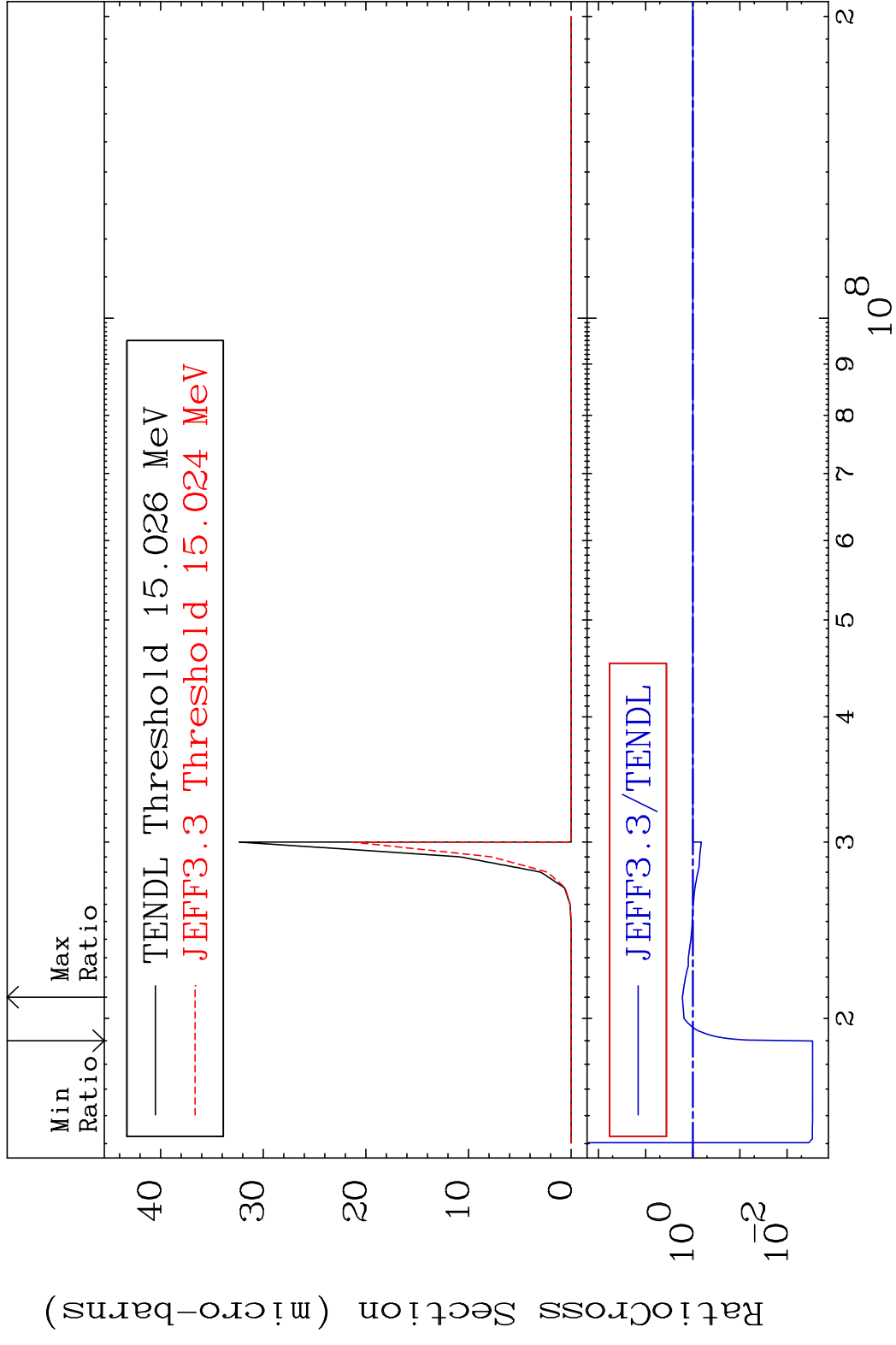
75 Incident Energy (eV) 54-Xe-126

MAT 5431 (n,2n):54-Xe-125m2 54-Xe-126
 Radionuclide Production Cross Section 180.0 dth 144.0 %

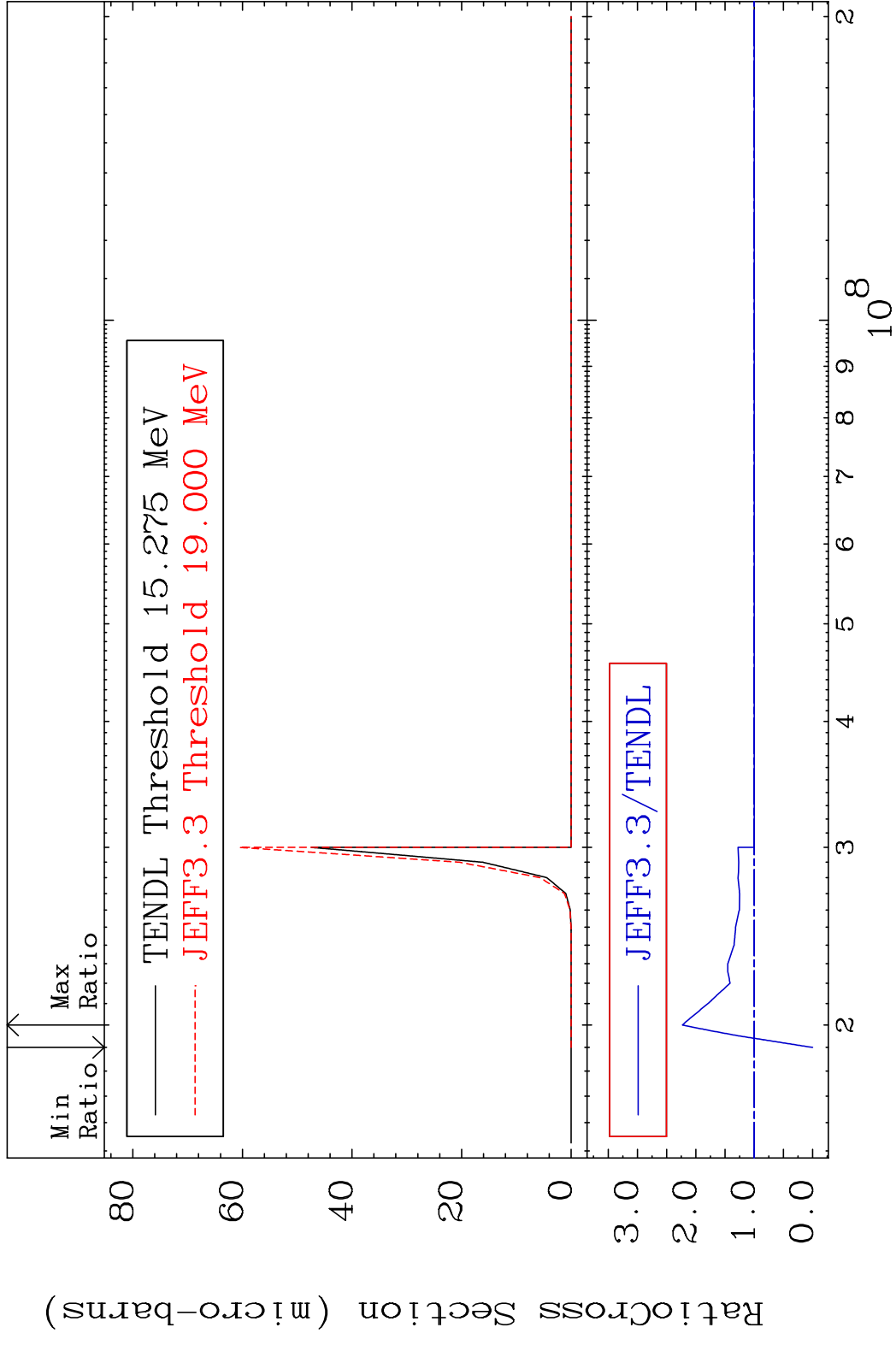








MAT 5431 (n, n') He-3:52-Te-123m2 54-Xe-126
 Radionuclide Production Cross Section 180.0 dth 123.0 %



MAT 5431 (n,2p):52-Te-125g 54-Xe-126
 Radionuclide Production Cross Section 53e03d10 6.473 %

