

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

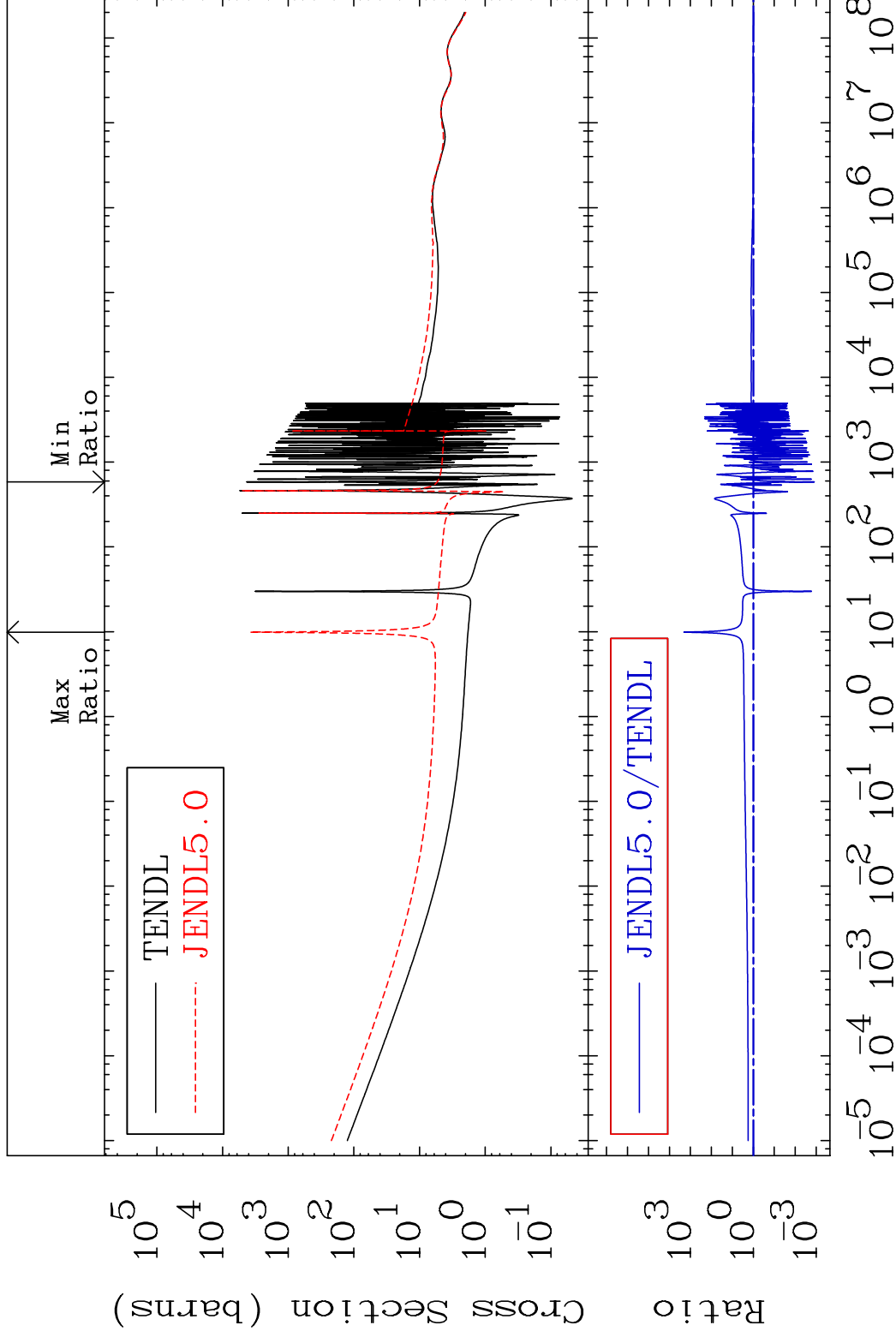
MAT 5431

Total

54-Xe-126

Cross Section

-99.87 To 9999. %



1

Incident Energy (eV)

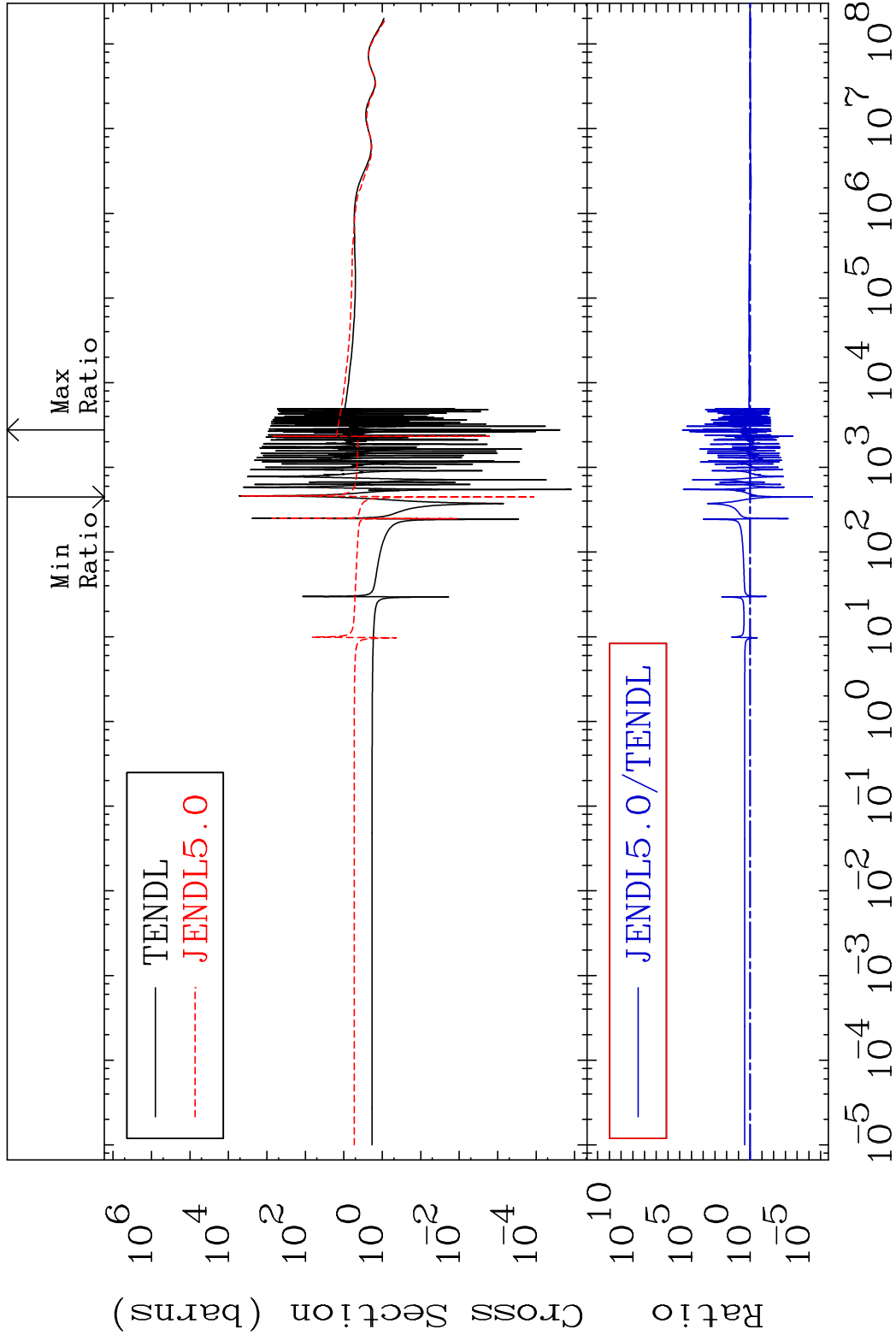
54-Xe-126

MAT 5431

Elastic

54-Xe-126

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

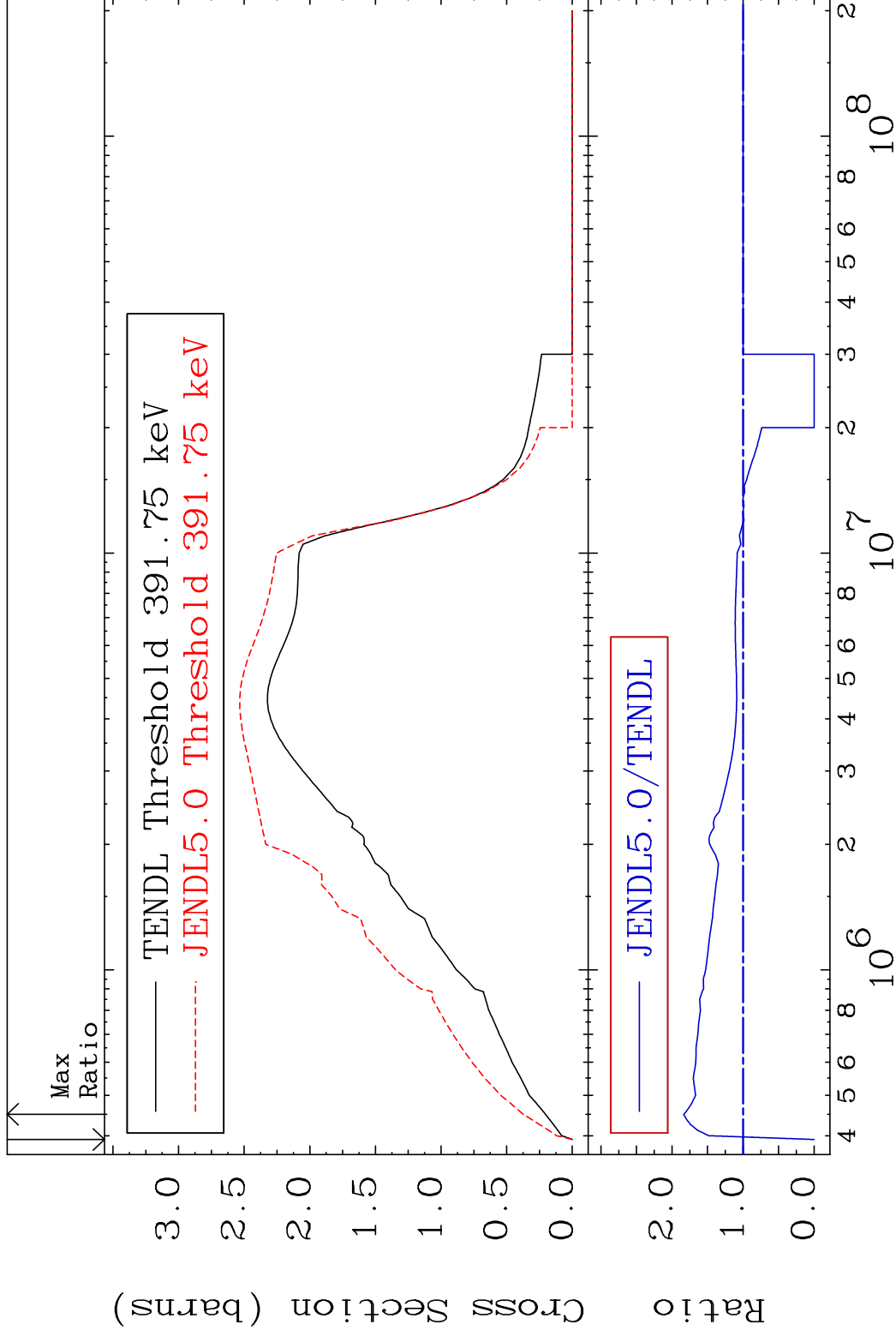
54-Xe-126

MAT 5431

Inelastic

54-Xe-126

Cross Section -100.0 To 83.59 %



3

Incident Energy (eV)

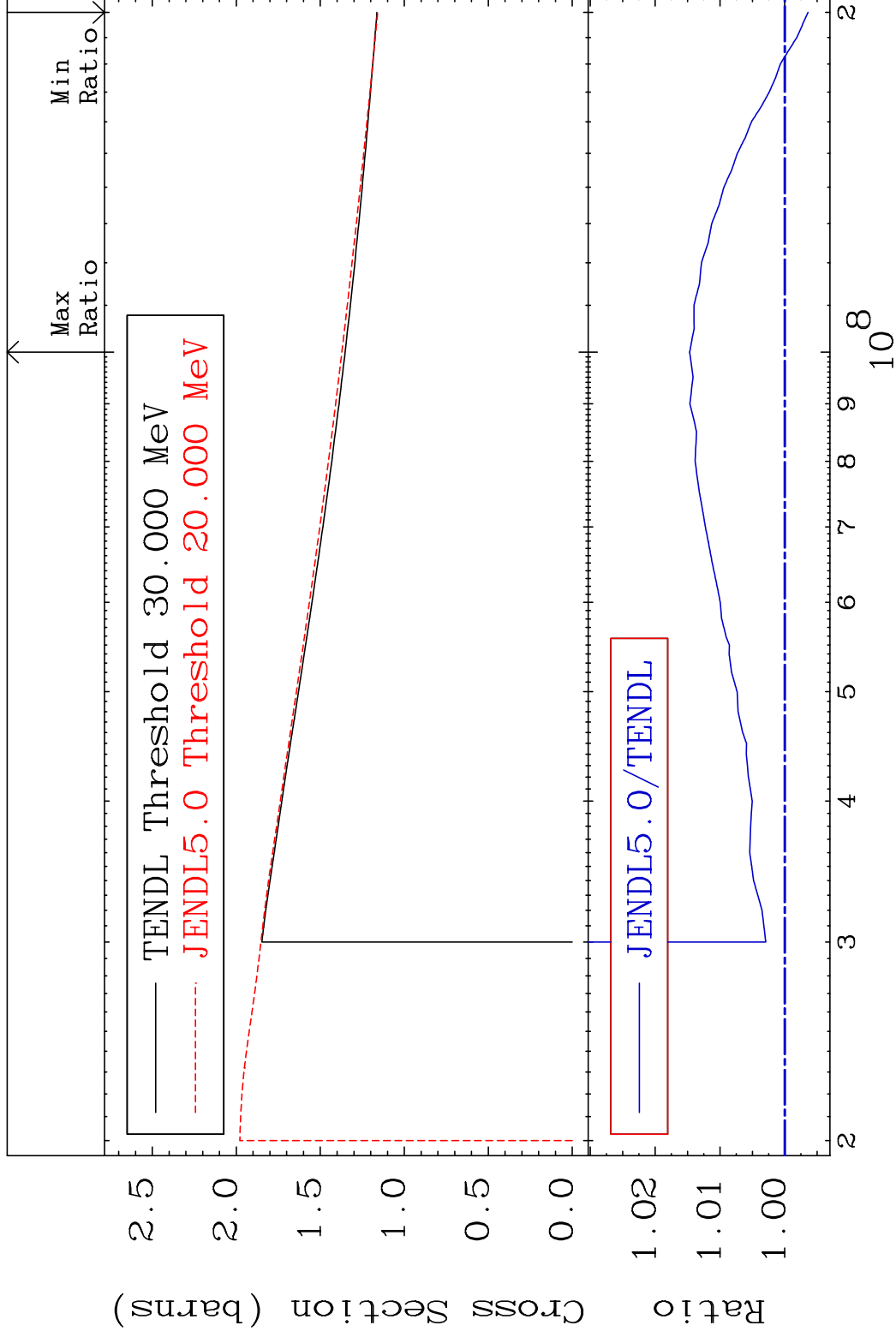
54-Xe-126

MAT 5431

(n, remainder)

54-Xe-126

Cross Section -0.359 To 1.466 %



4

Incident Energy (eV)

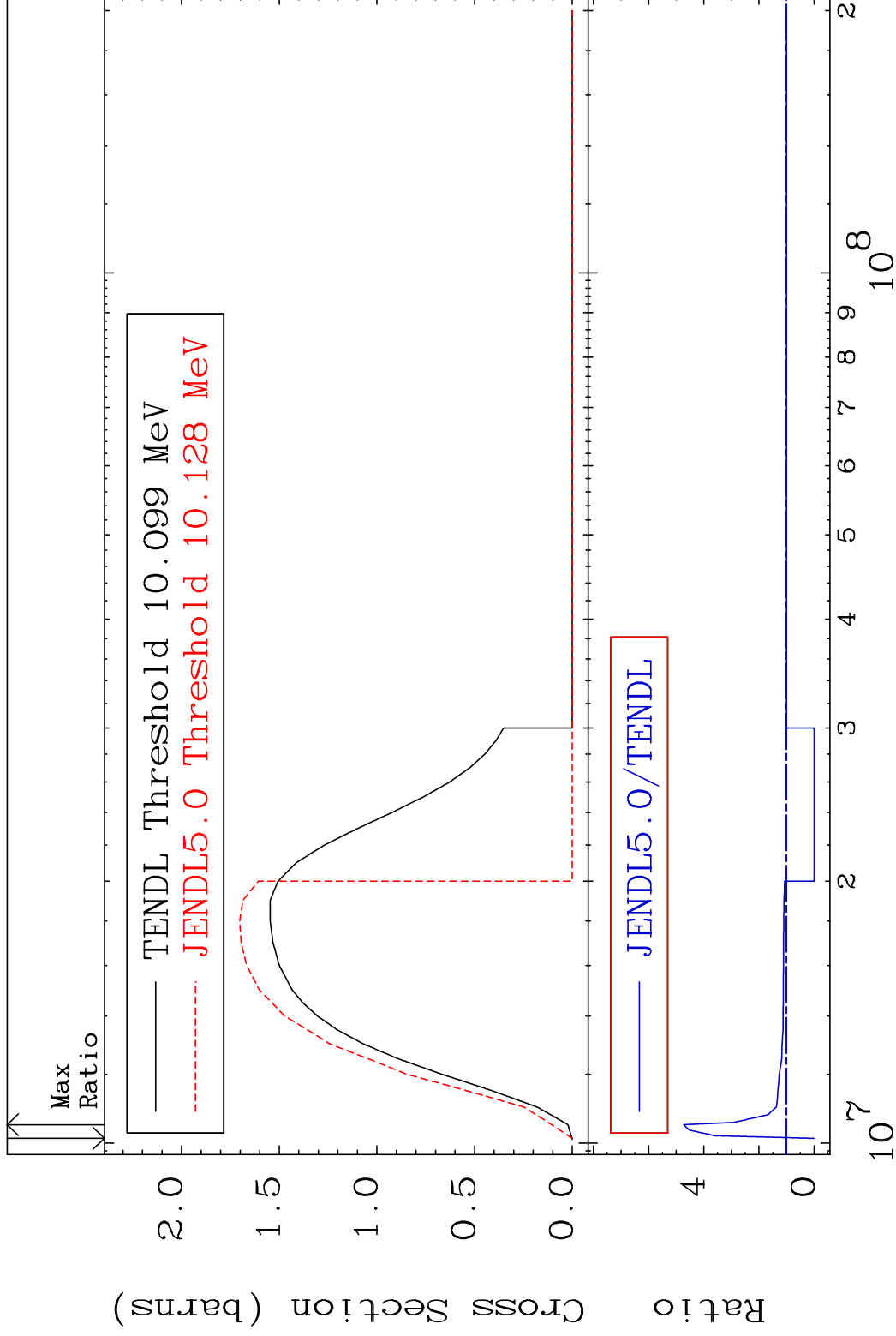
54-Xe-126

MAT 5431

(n,2n)

54-Xe-126

Cross Section -100.0 To 373.0 %



5

Incident Energy (eV)

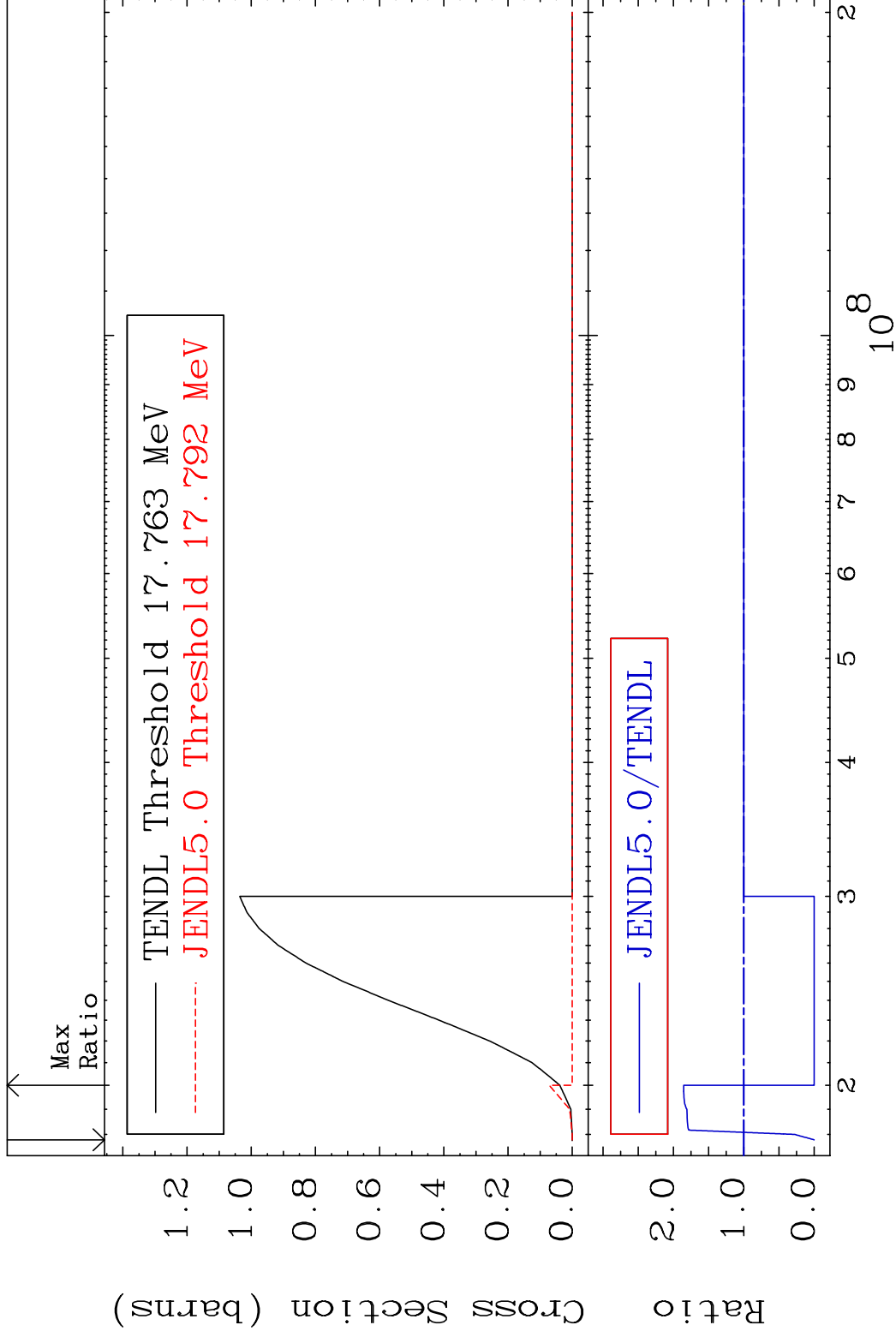
54-Xe-126

MAT 5431

(n,3n)

54-Xe-126

Cross Section -100.0 To 85.36 %

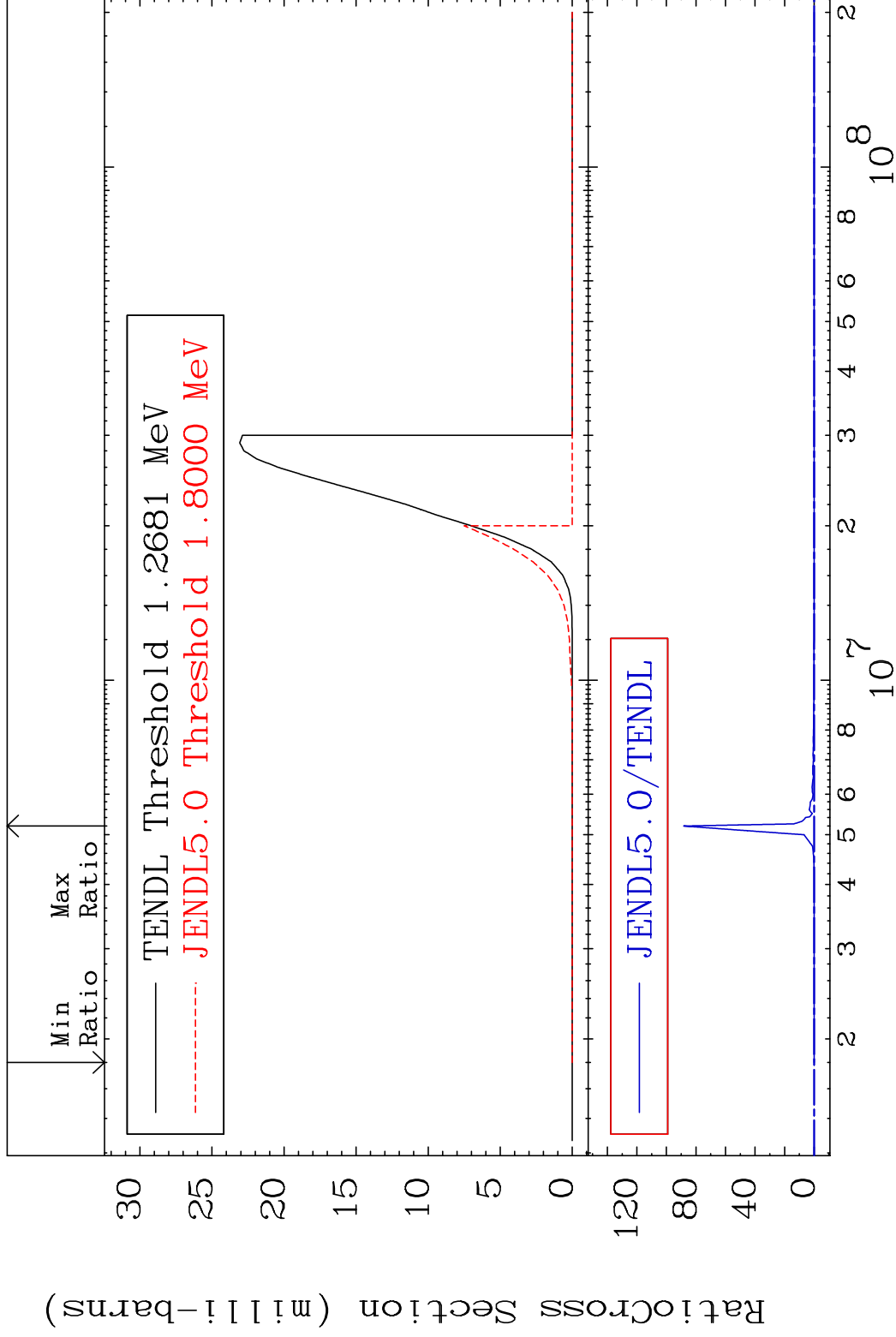


MAT 5431

(n, n') α

54-Xe-126

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

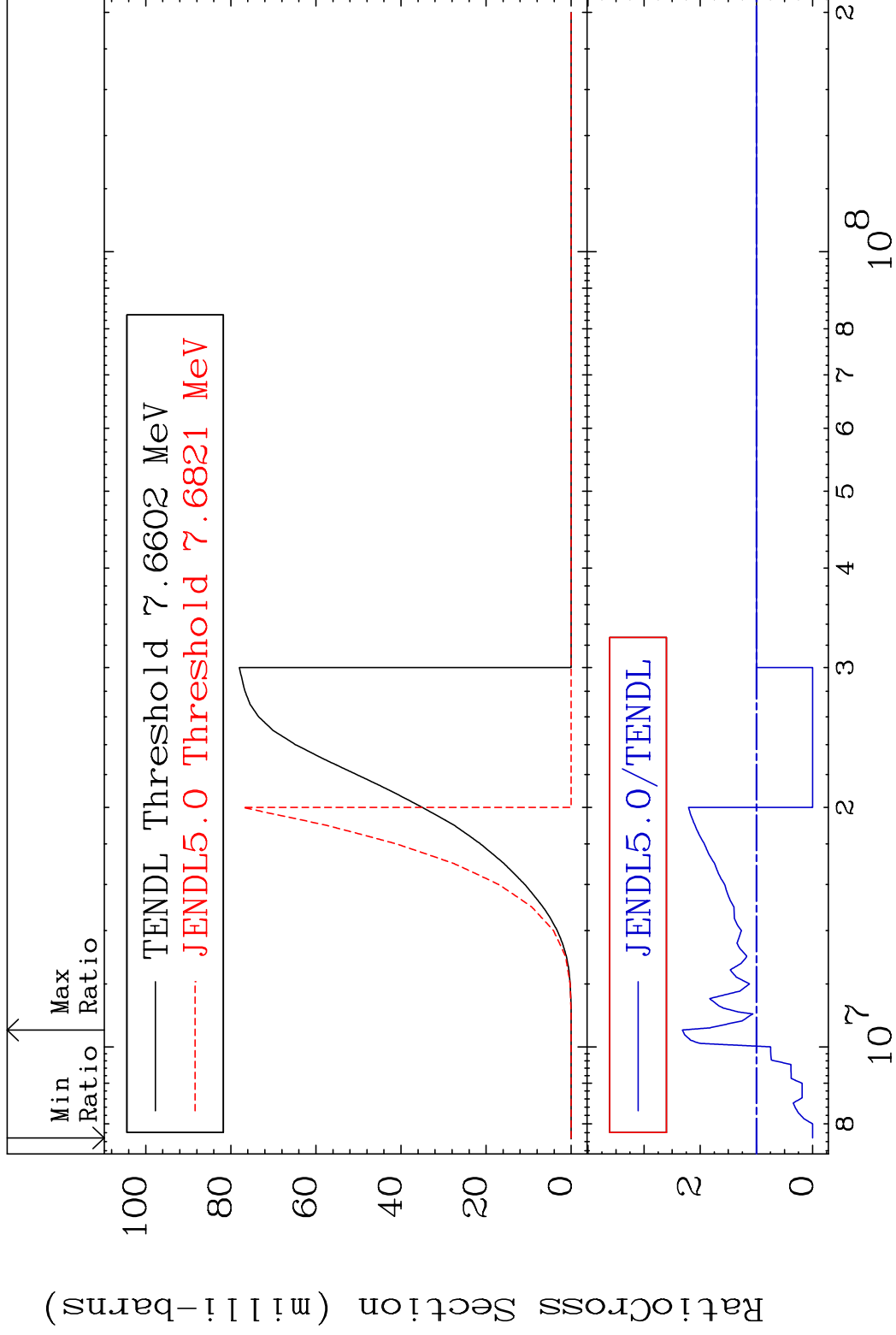
54-Xe-126

MAT 5431

(n, n') p

54-Xe-126

Cross Section -100.0 To 131.8 %



8

Incident Energy (eV)

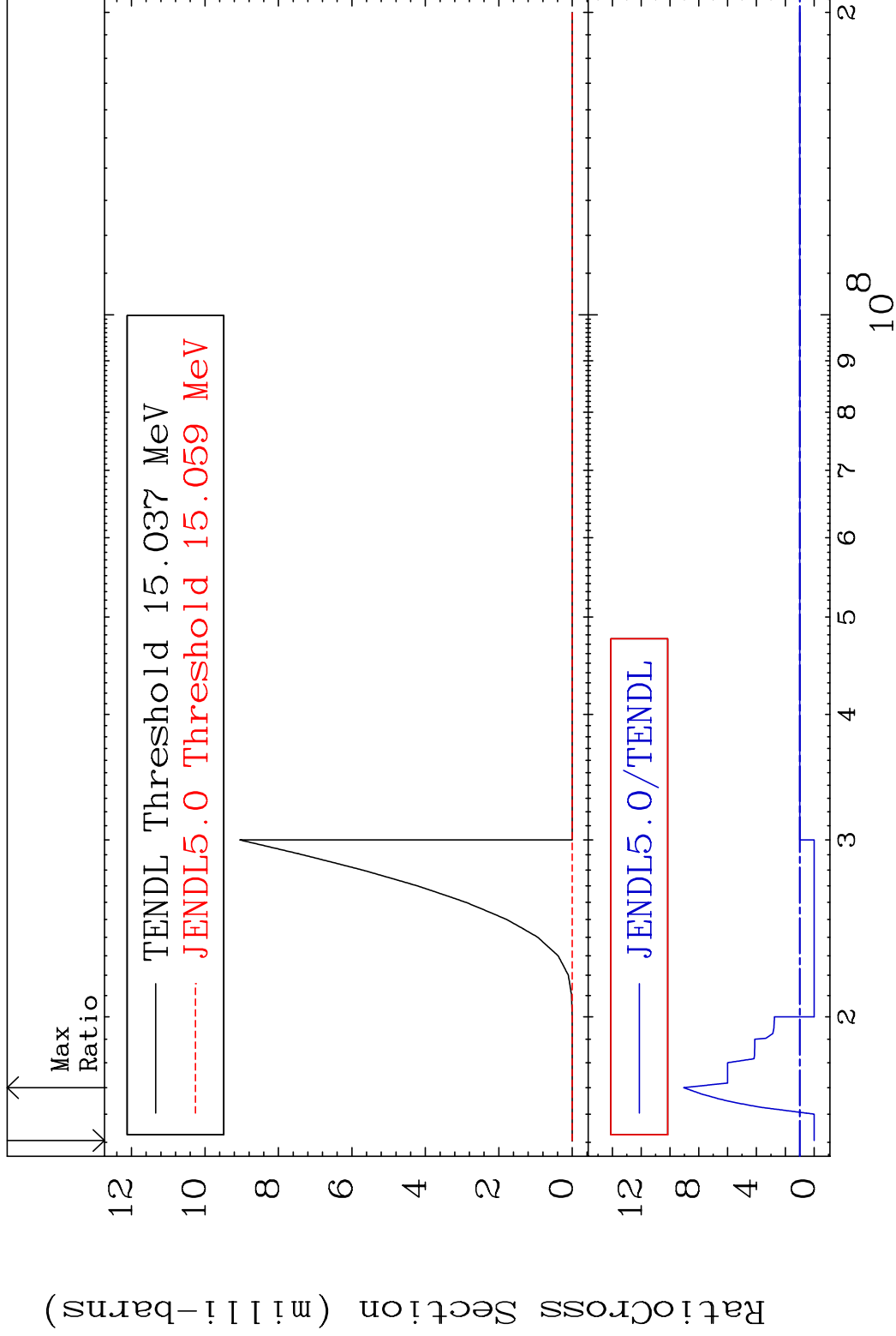
54-Xe-126

MAT 5431

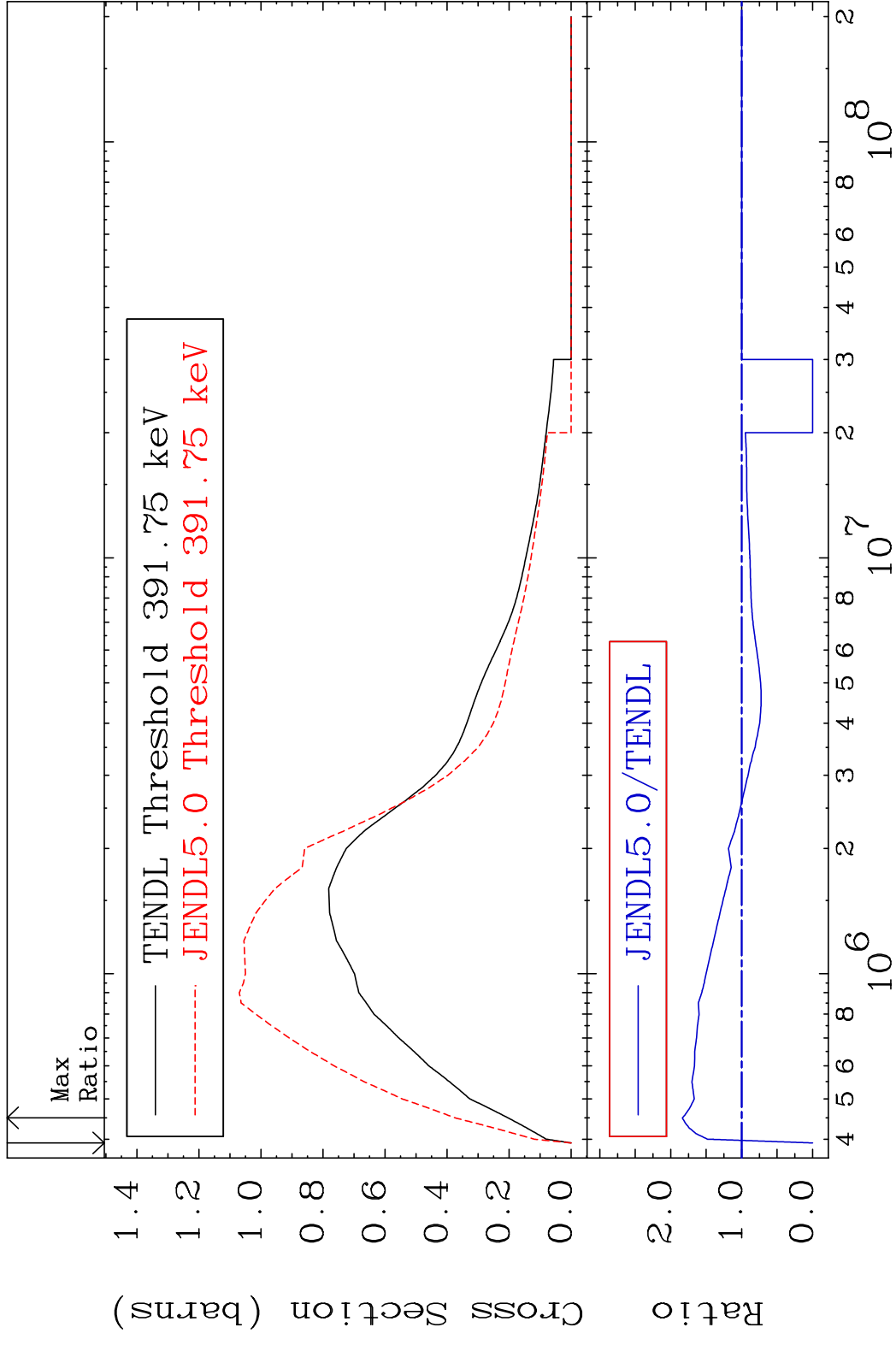
(n, n') d

54-Xe-126

Cross Section -100.0 To 805.1 %

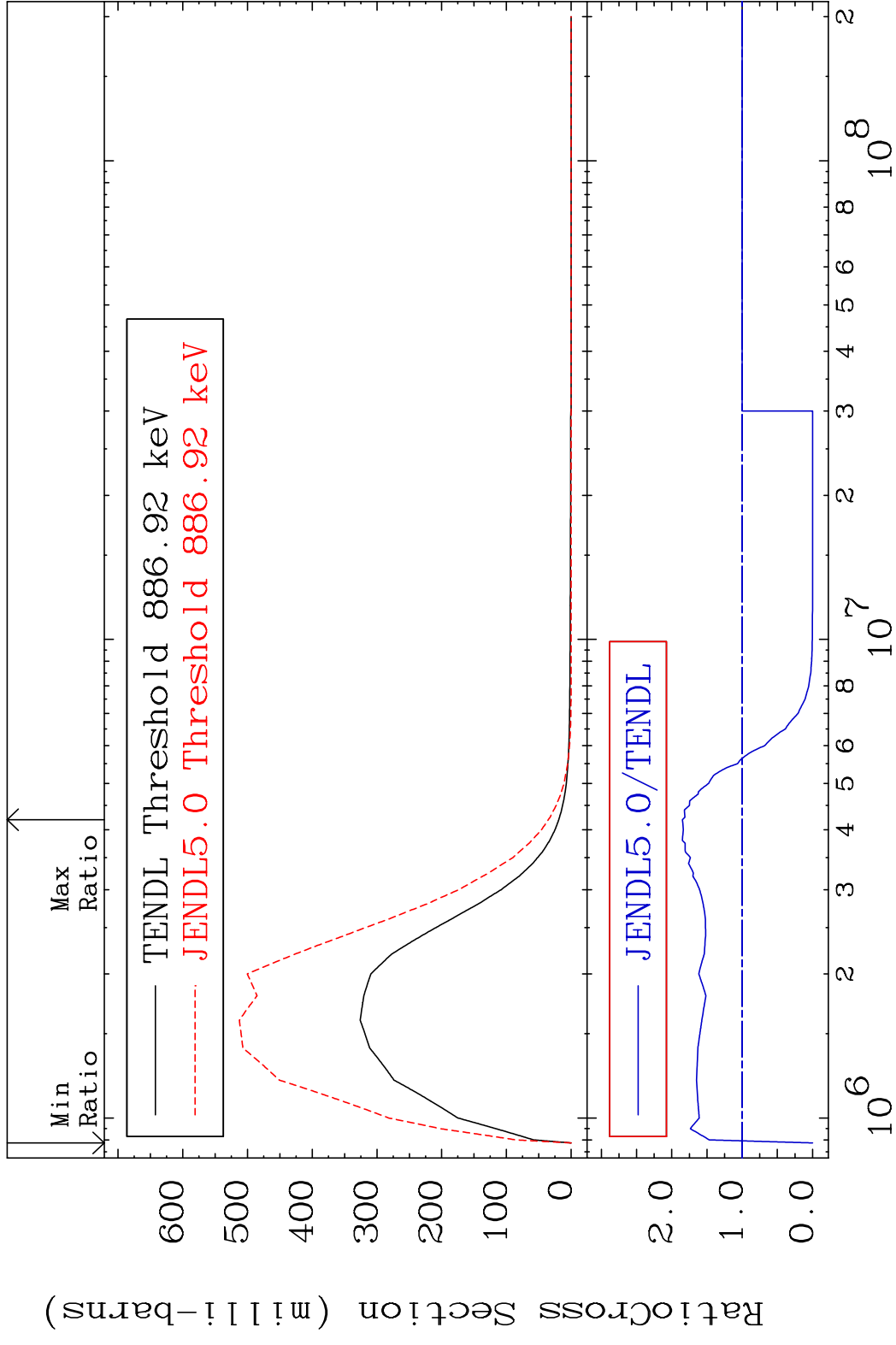


MAT 5431 MT= 51 (n,n') Level 54-Xe-126
 Cross Section -100.0 To 83.59 %

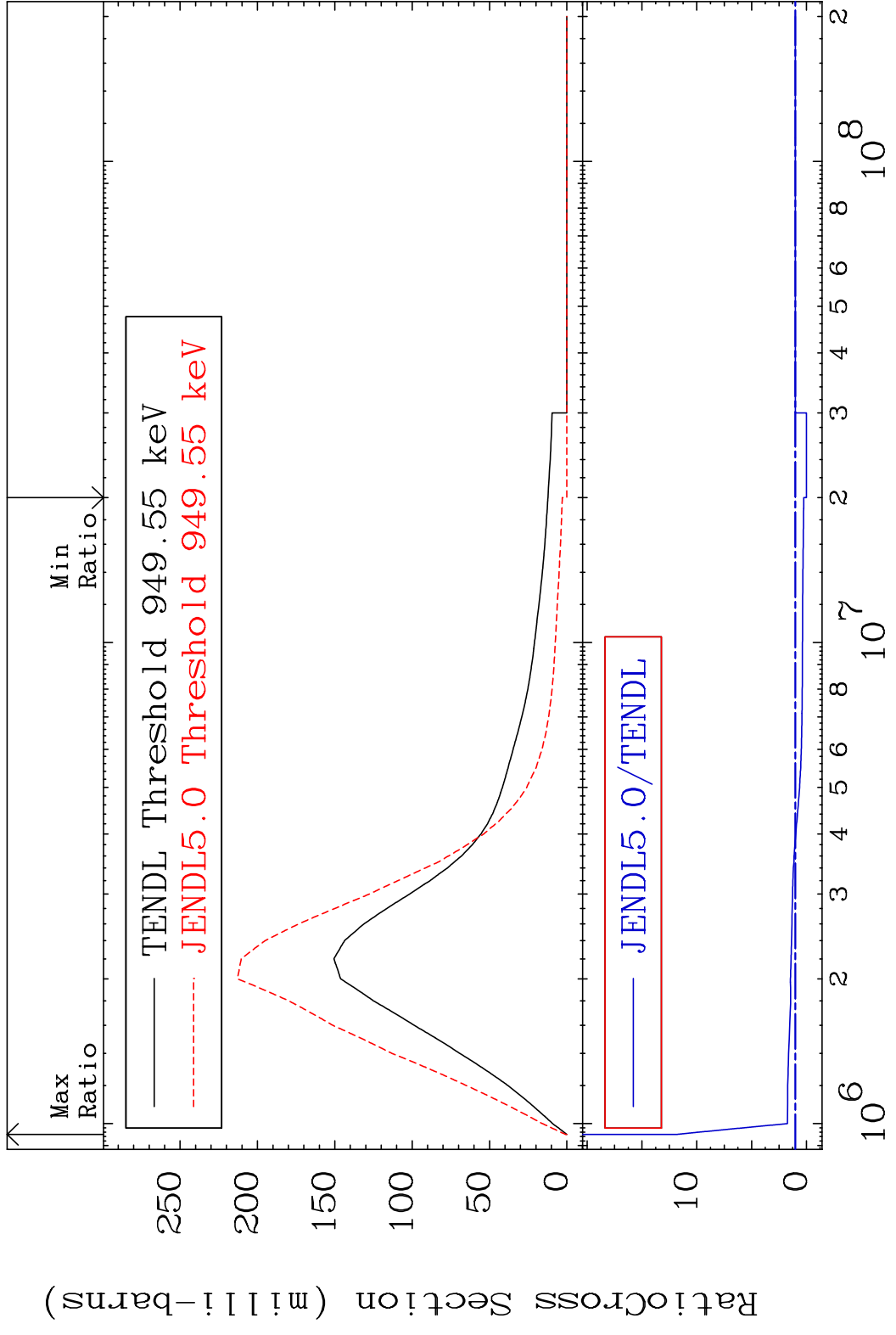


10 Incident Energy (eV) 54-Xe-126

MAT 5431 MT= 52 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 84.95 %

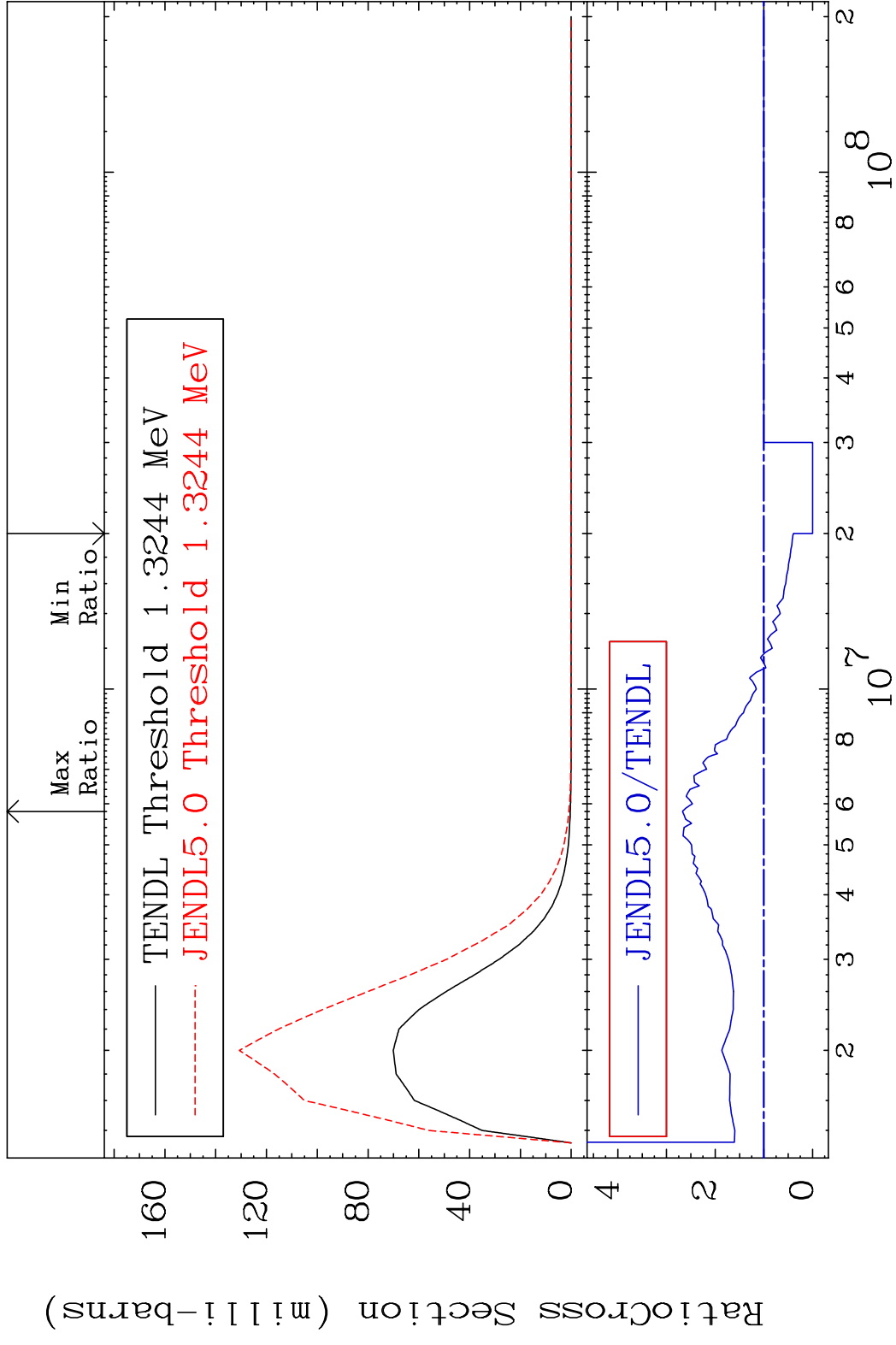


MAT 5431 MT= 53 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 1079. %

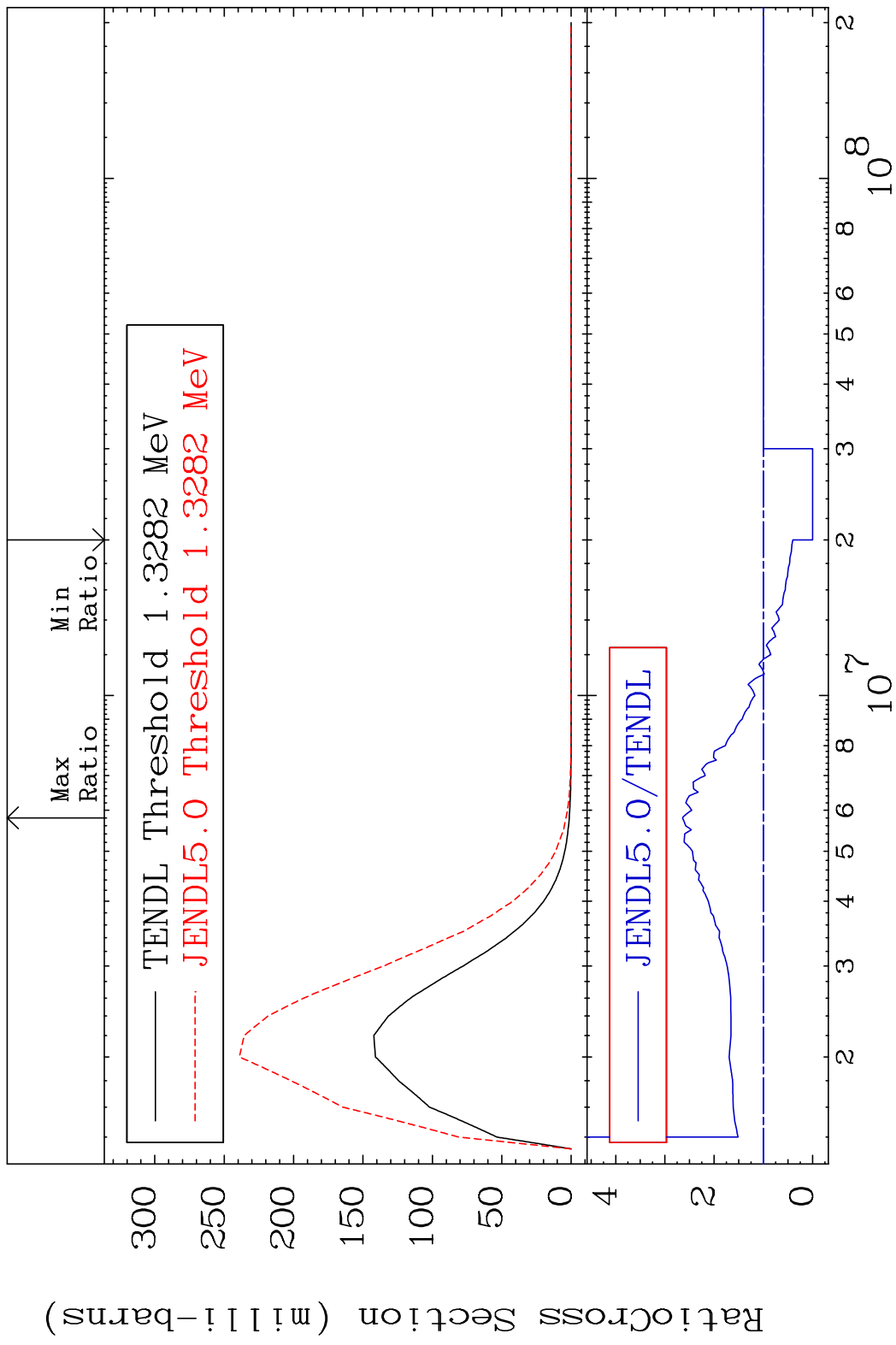


12 54-Xe-126

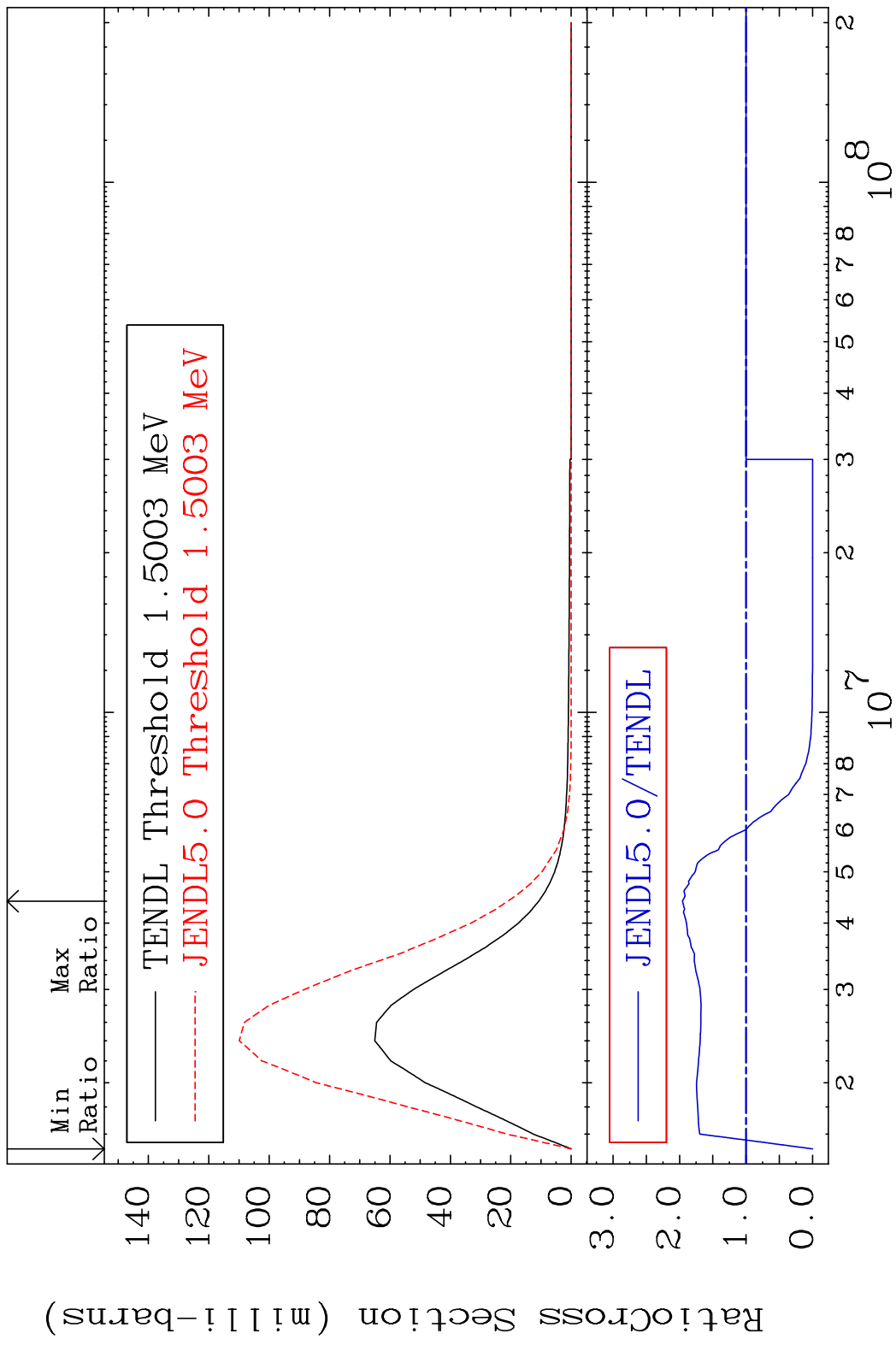
MAT 5431 MT= 54 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 167.4 %



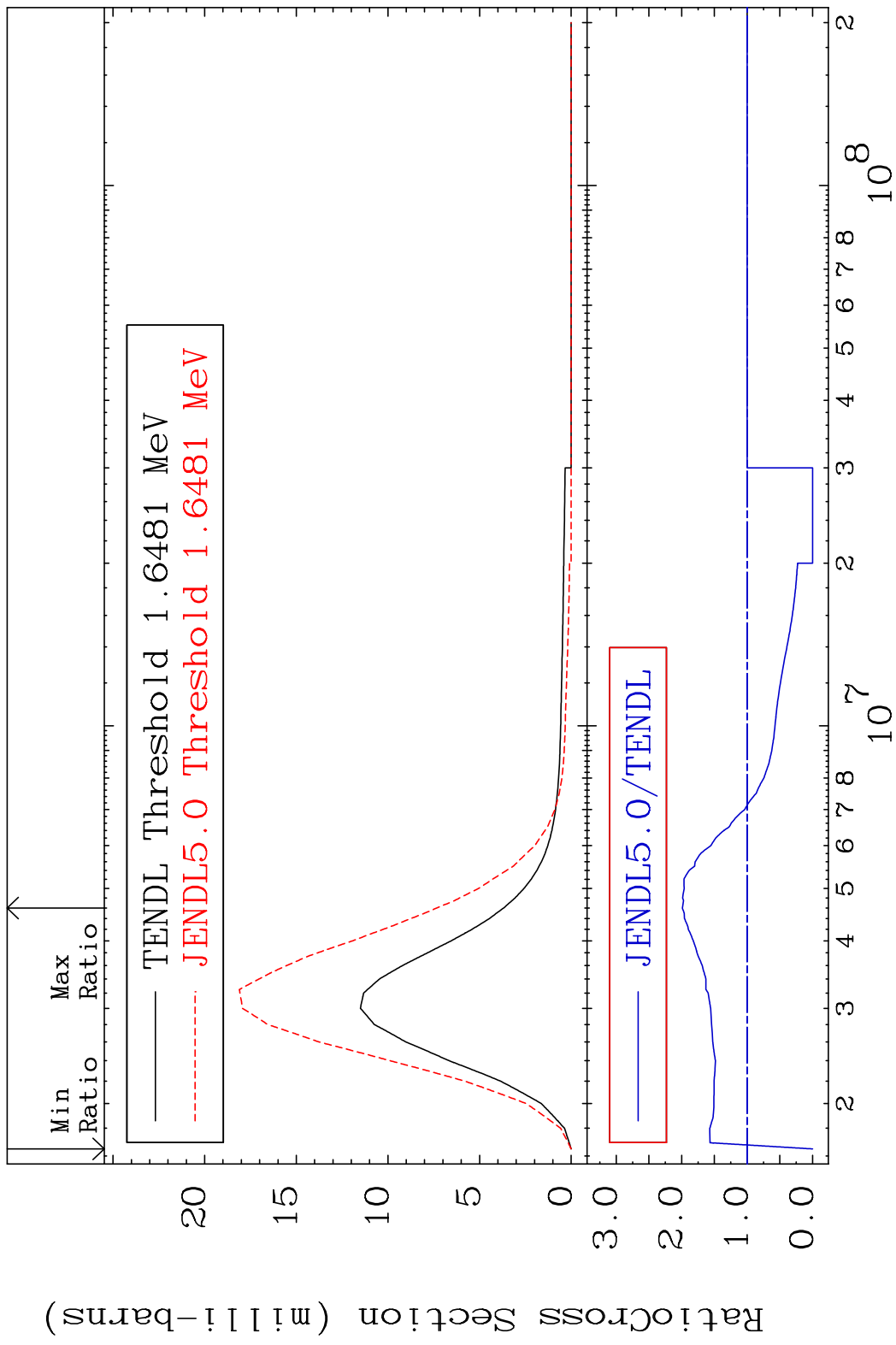
MAT 5431 MT= 55 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 164.5 %



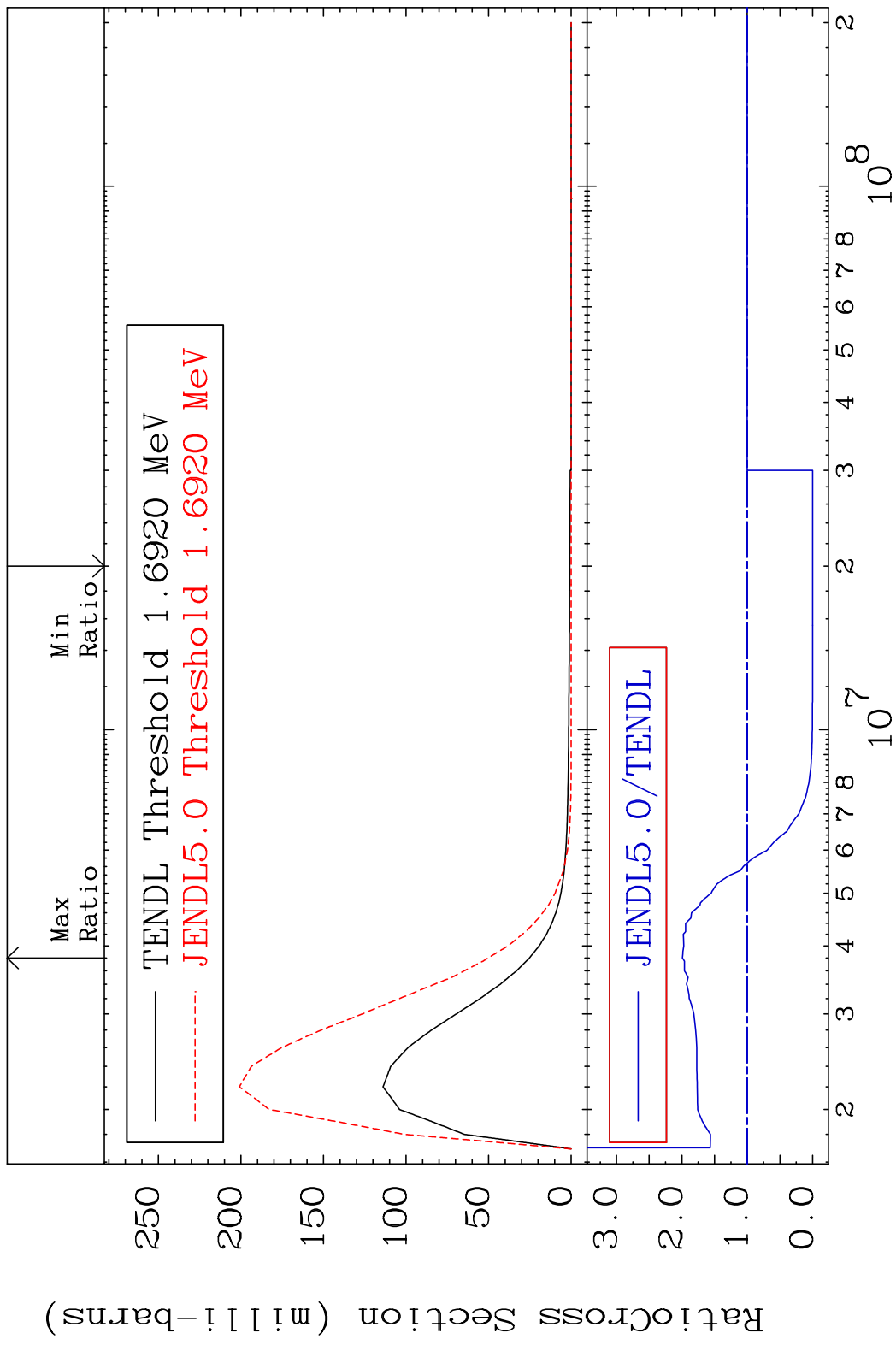
MAT 5431 MT= 56 (n,n') Level 54-Xe-126
 Cross Section -100.0 To 95.77 %



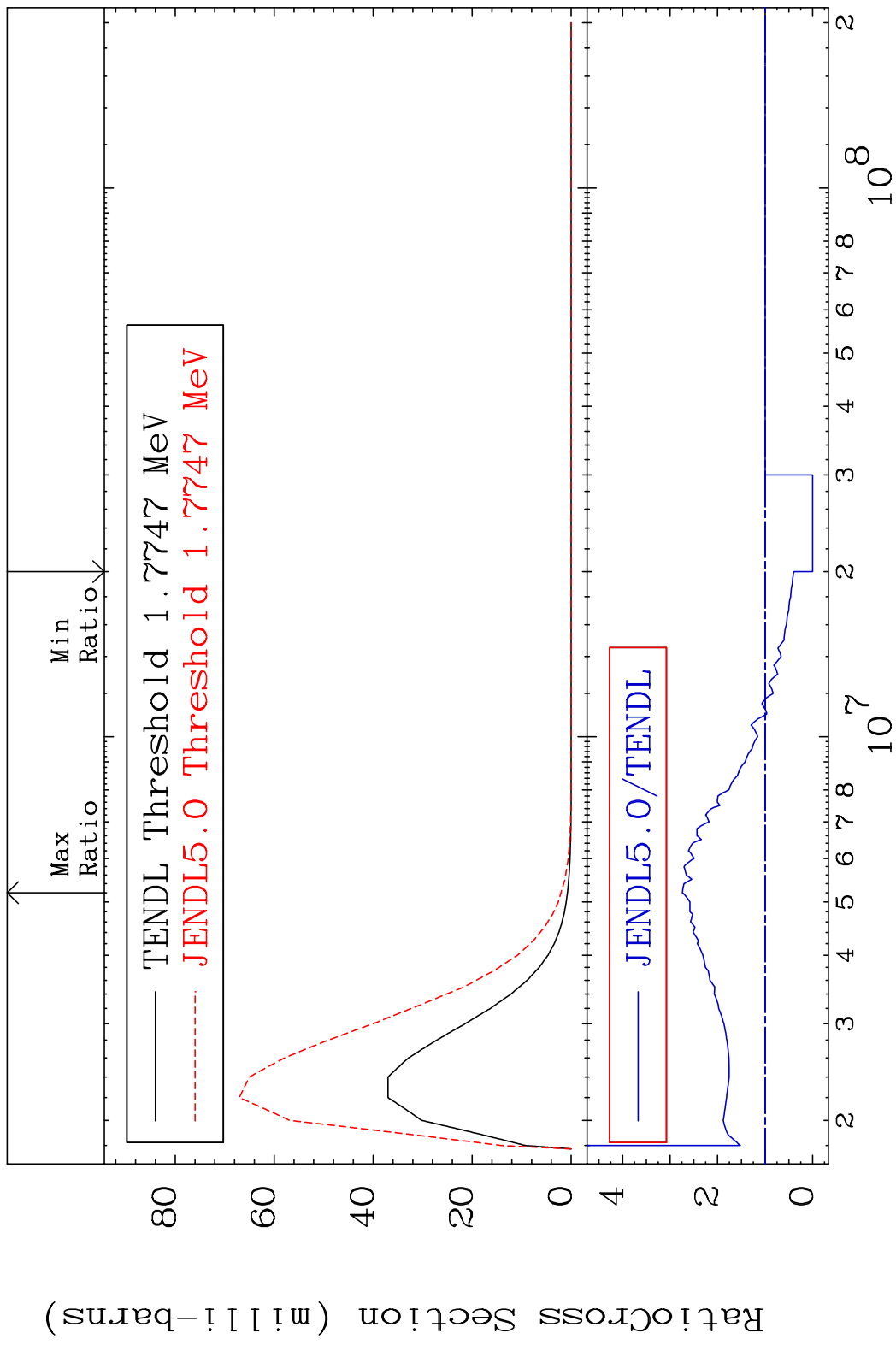
MAT 5431 MT= 57 (n,n') Level 54-Xe-126
 Cross Section -100.0 To 98.97 %



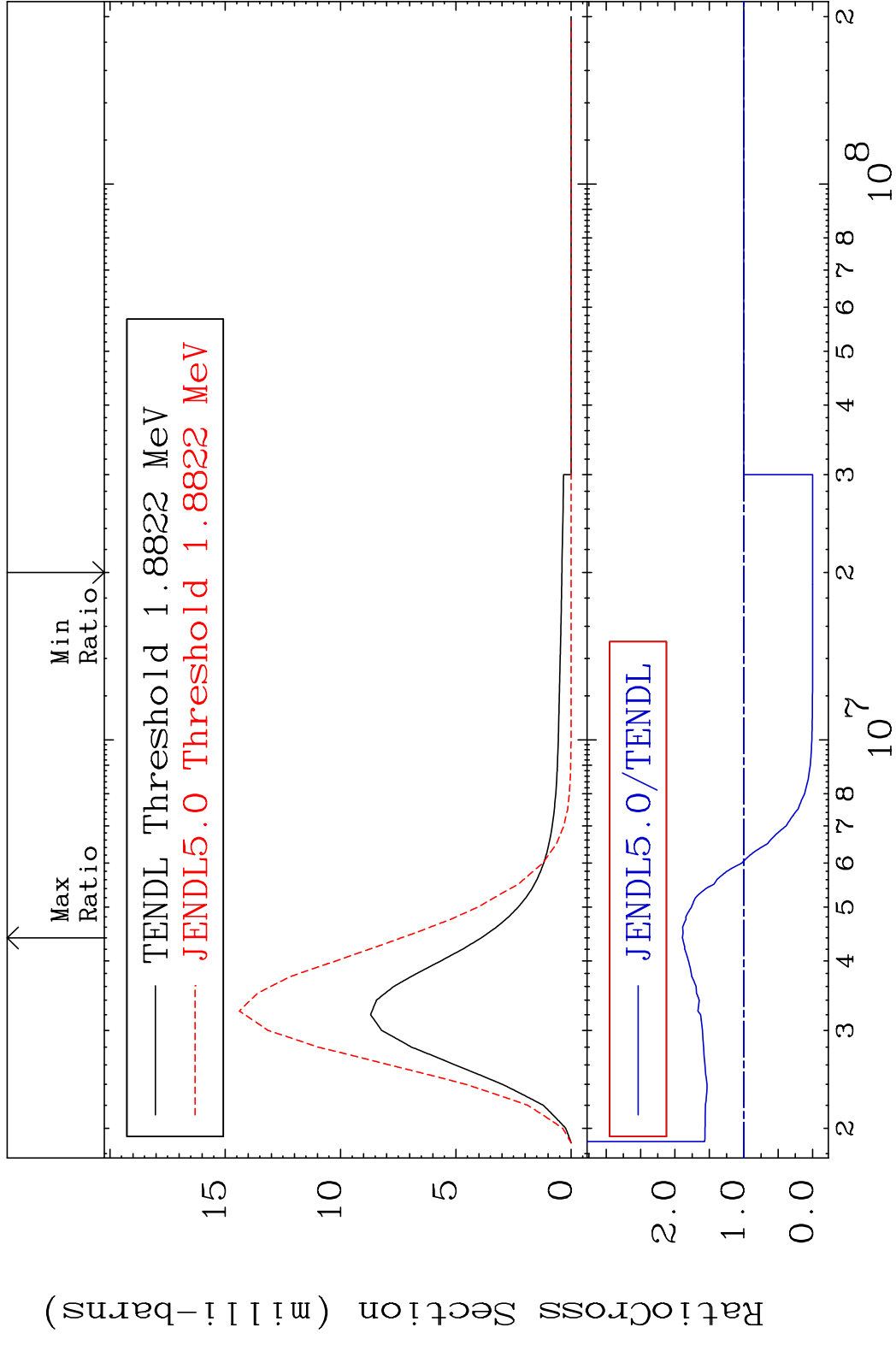
MAT 5431 MT= 58 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 99.27 %



MAT 5431 MT= 59 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 174.2 %



MAT 5431 MT= 60 (n, n') Level 54-Xe-126
 Cross Section -100.0 To 89.26 %

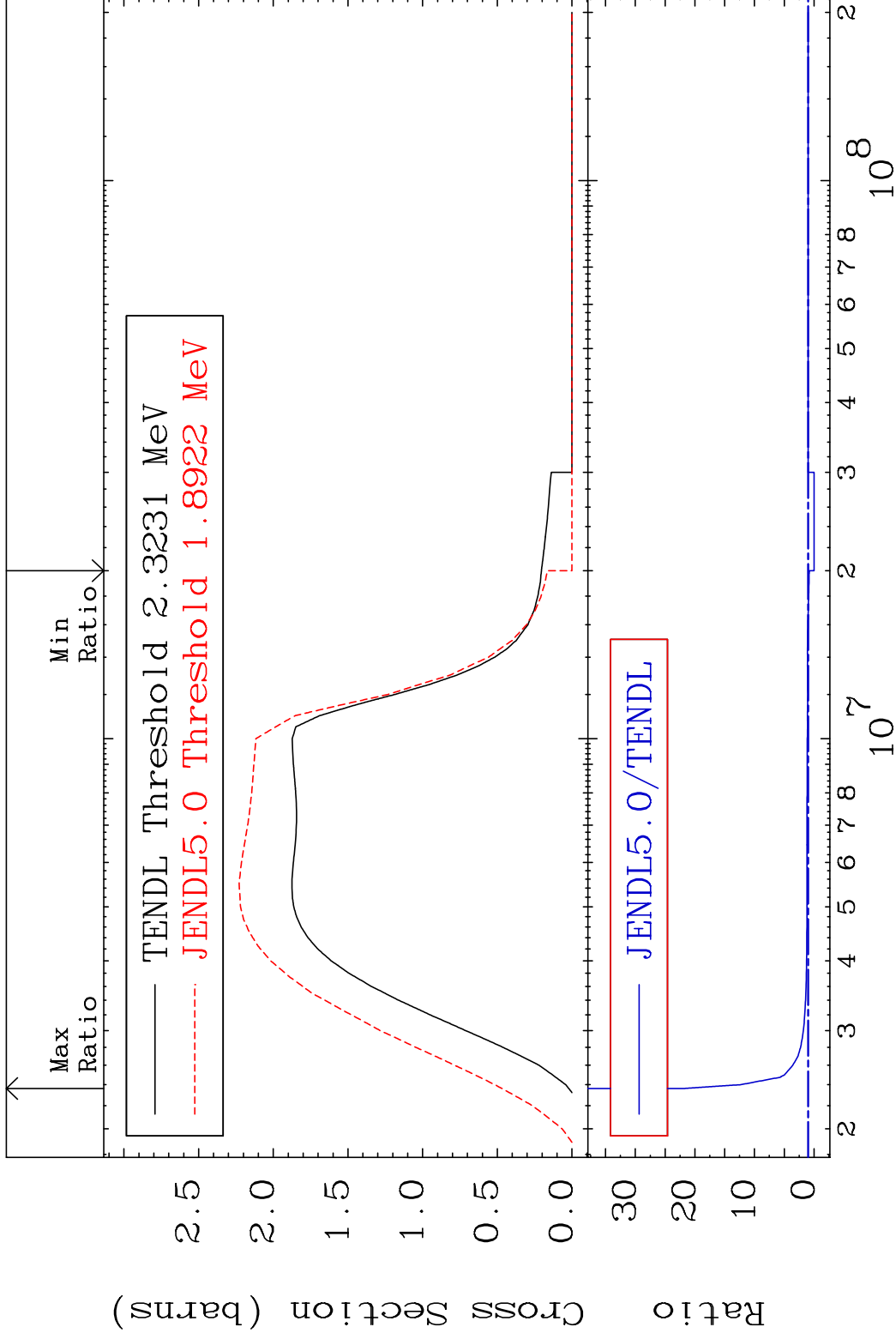


MAT 5431

(n, n') Continuum

54-Xe-126

Cross Section -100.0 To 2092. %



20

Incident Energy (eV)

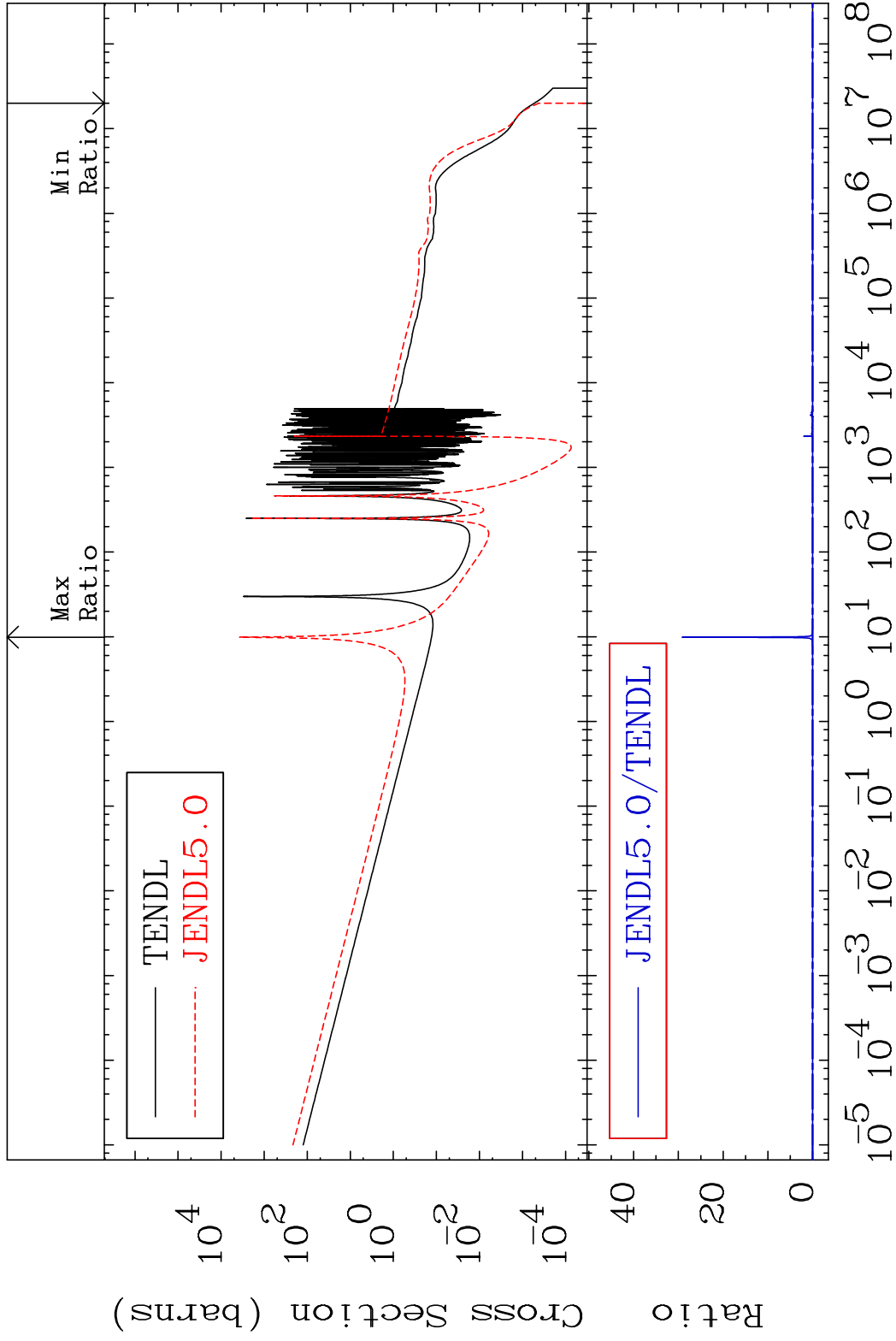
54-Xe-126

MAT 5431

(n, γ)

54-Xe-126

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

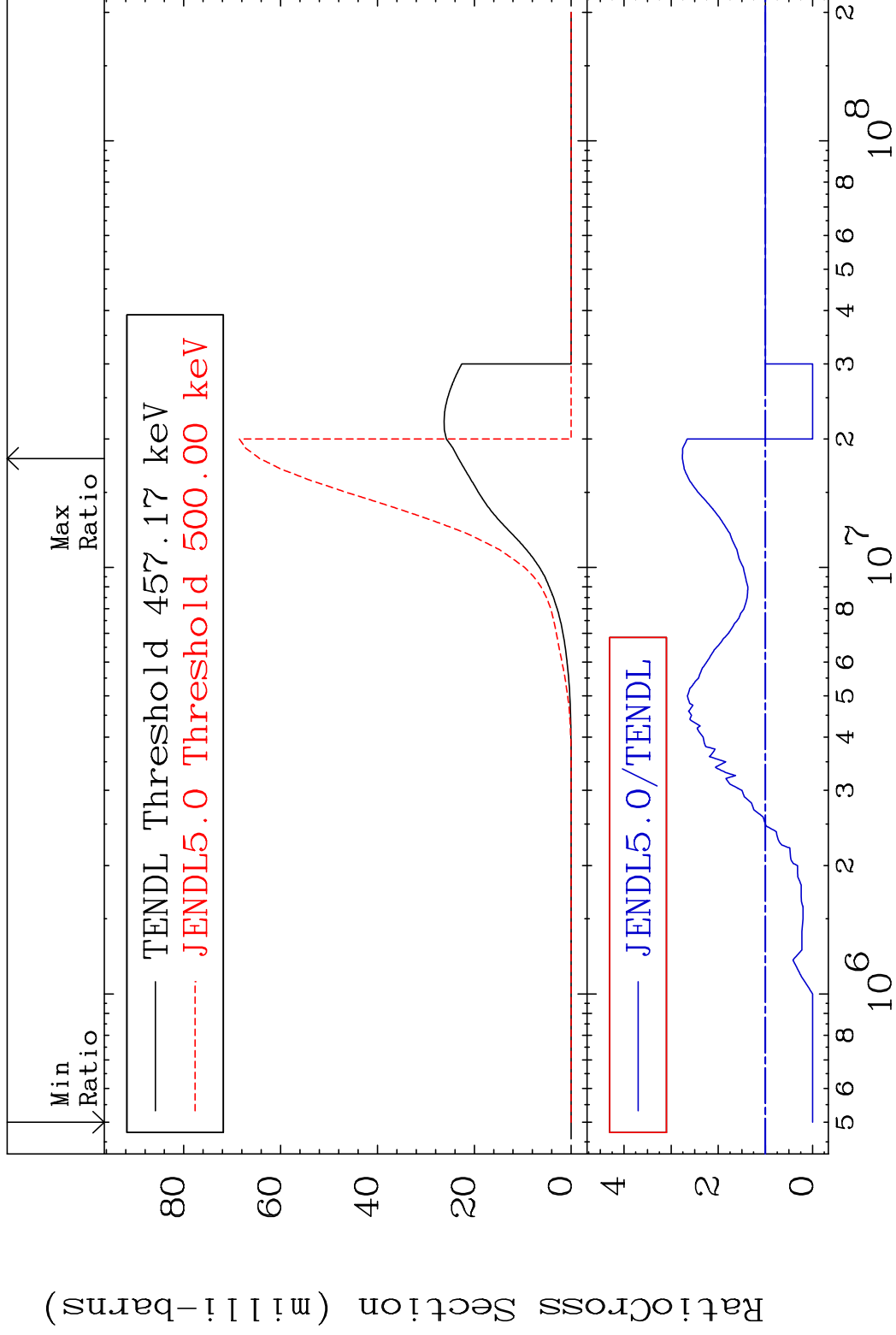
54-Xe-126

MAT 5431

(n, p)

54-Xe-126

Cross Section -100.0 To 176.2 %



22

Incident Energy (eV)

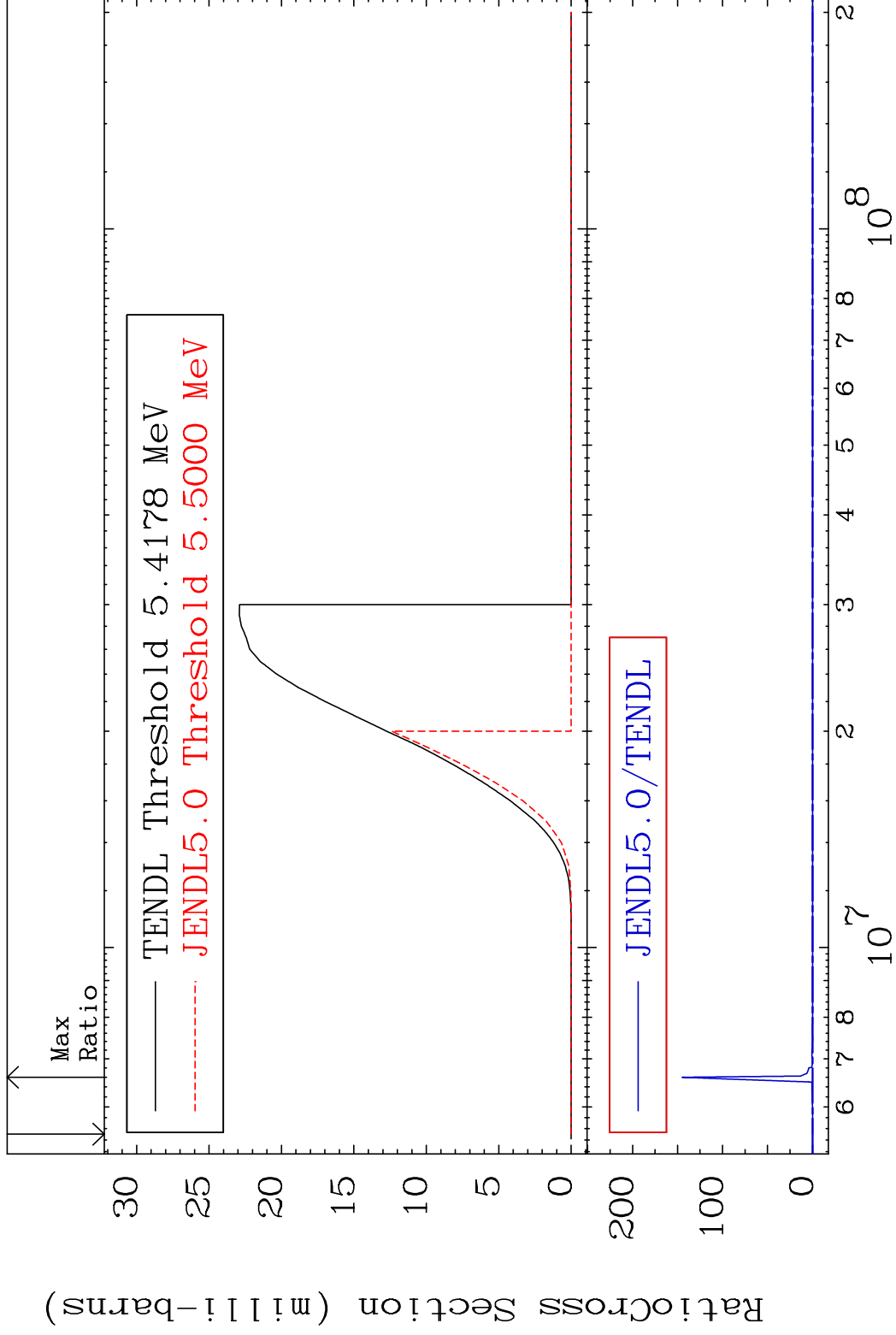
54-Xe-126

MAT 5431

(n,d)

54-Xe-126

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

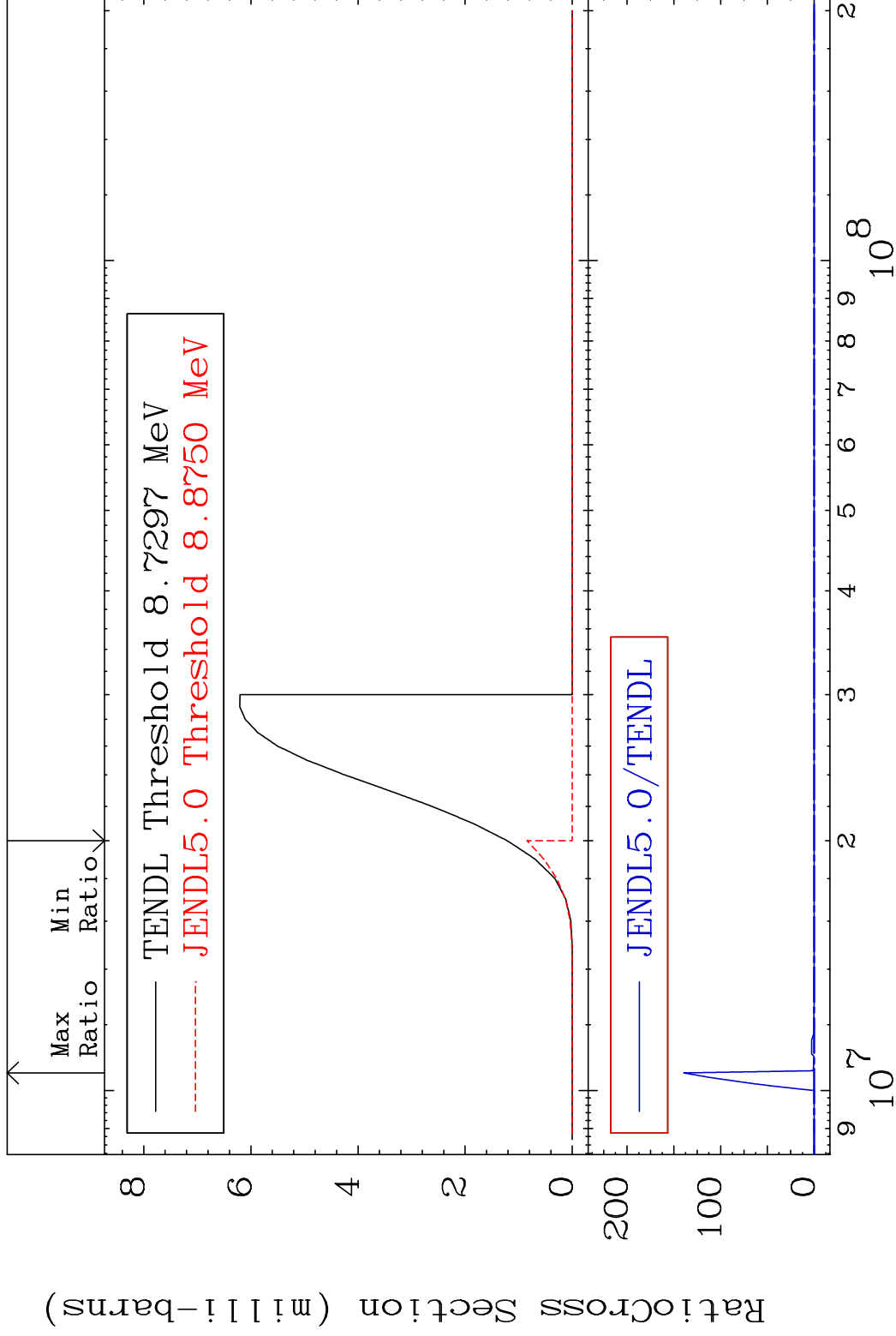
54-Xe-126

MAT 5431

(n, t)

54-Xe-126

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

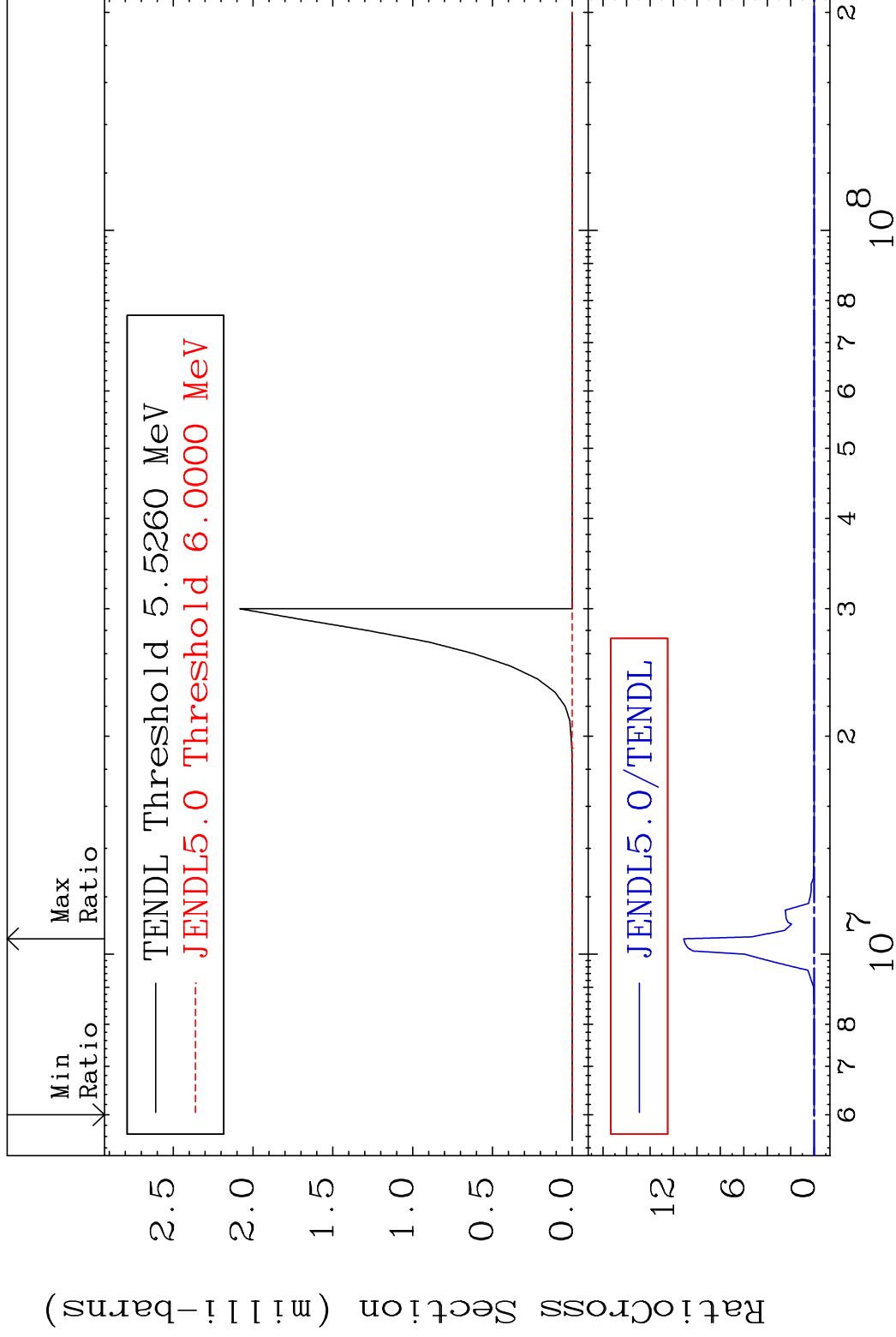
54-Xe-126

MAT 5431

(n, He-3)

54-Xe-126

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

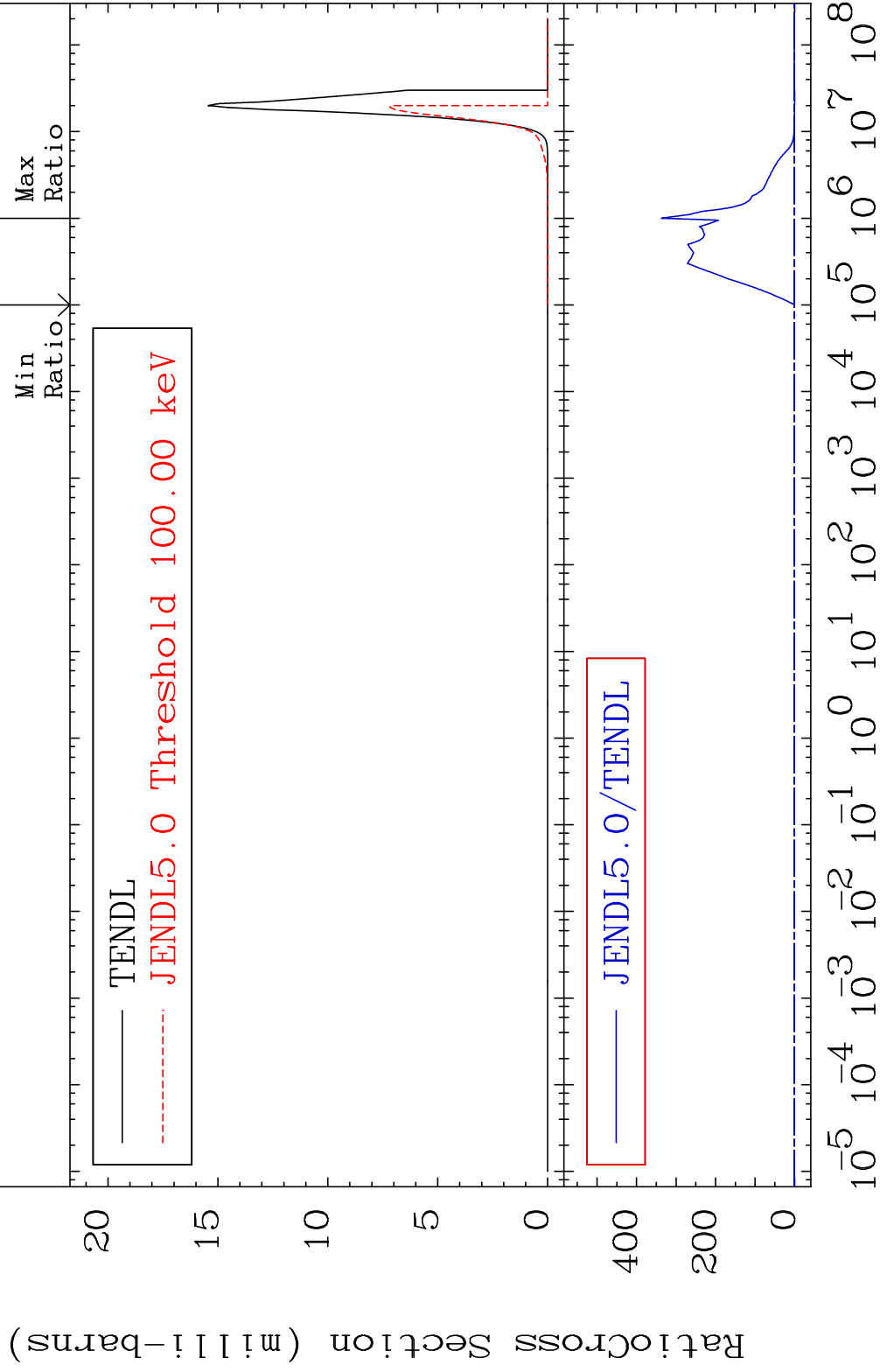
54-Xe-126

MAT 5431

(n, α)

54-Xe-126

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

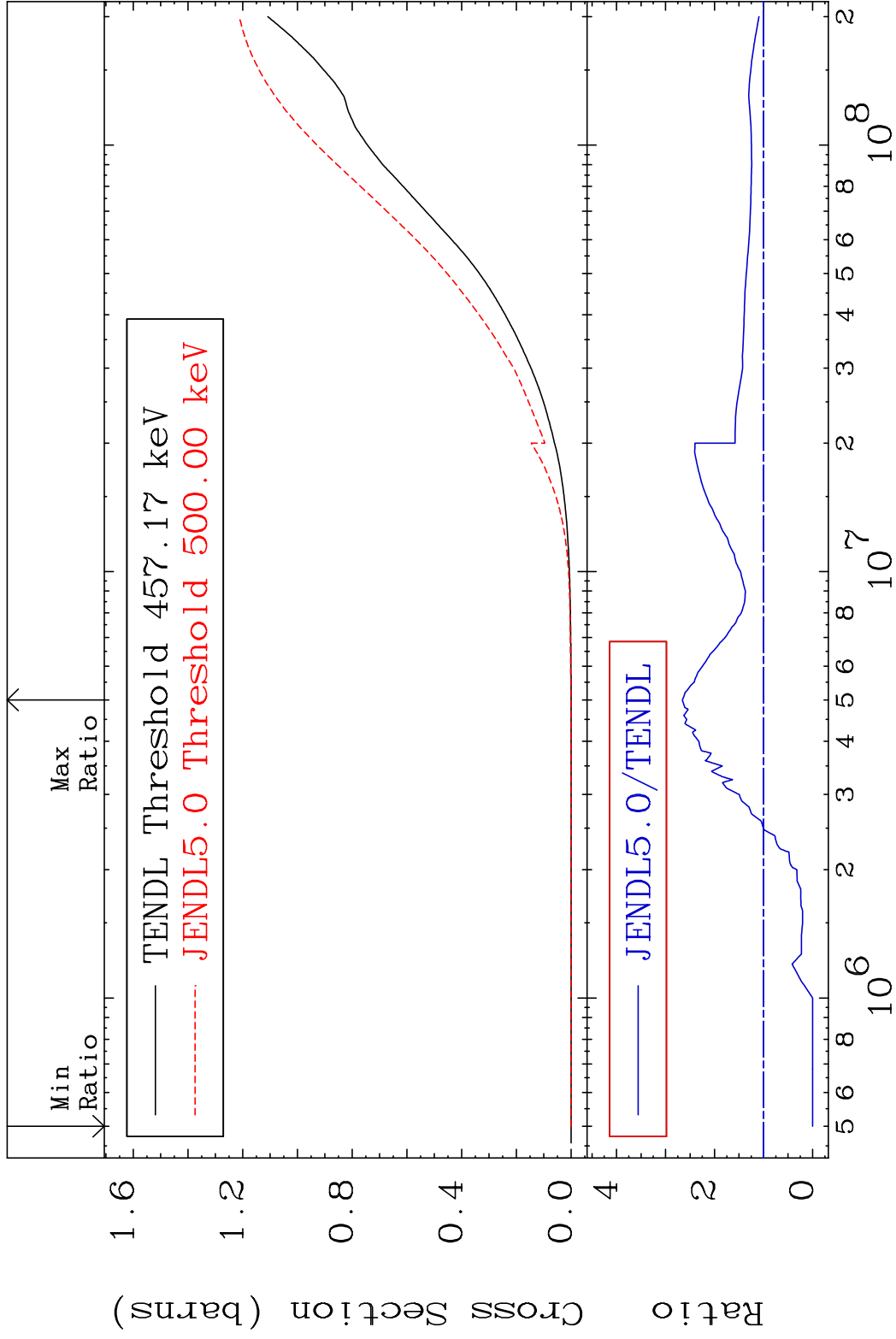
54-Xe-126

MAT 5431

Hydrogen Production

54-Xe-126

Cross Section -100.0 To 165.7 %

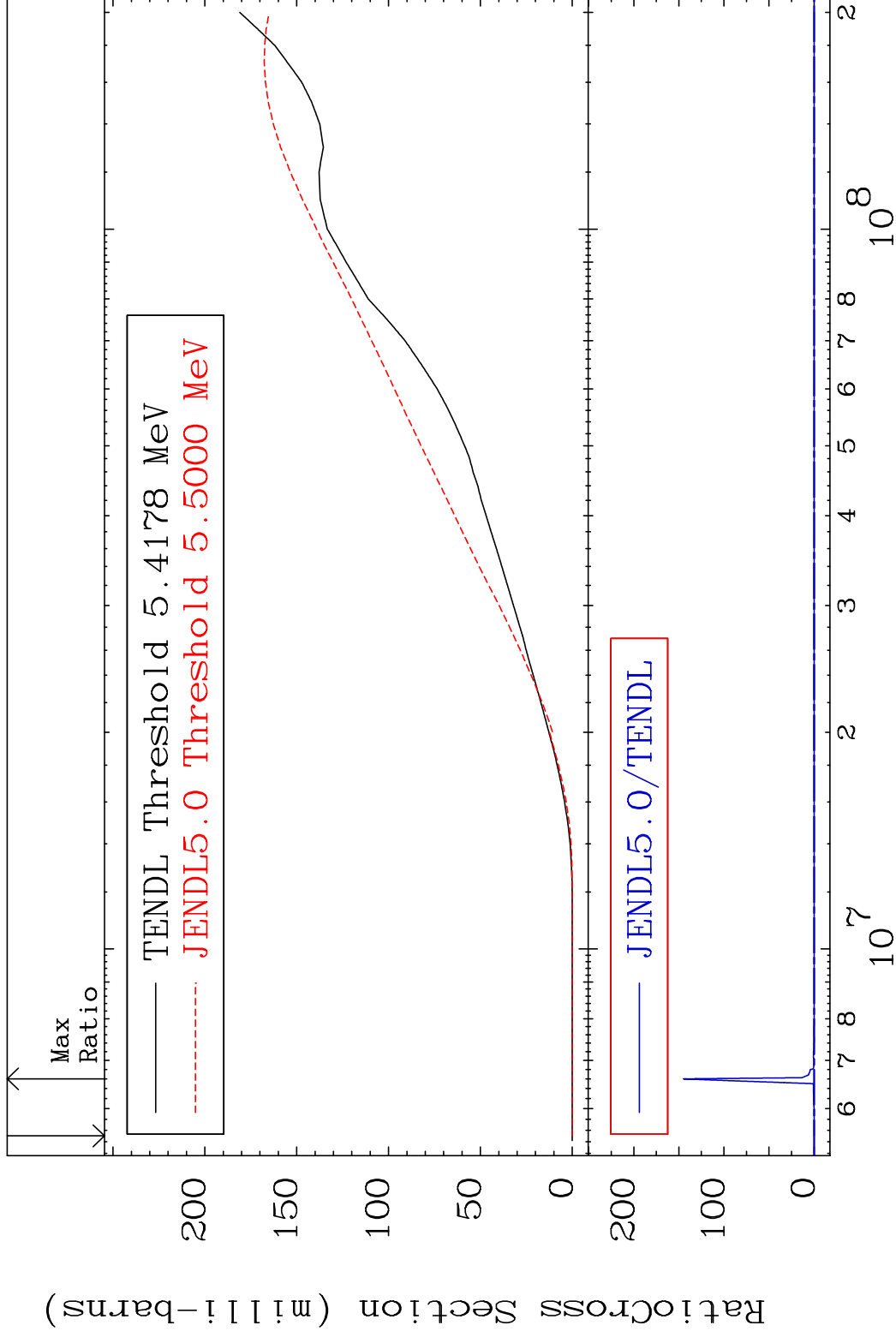


MAT 5431

Deuterium Production

54-Xe-126

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

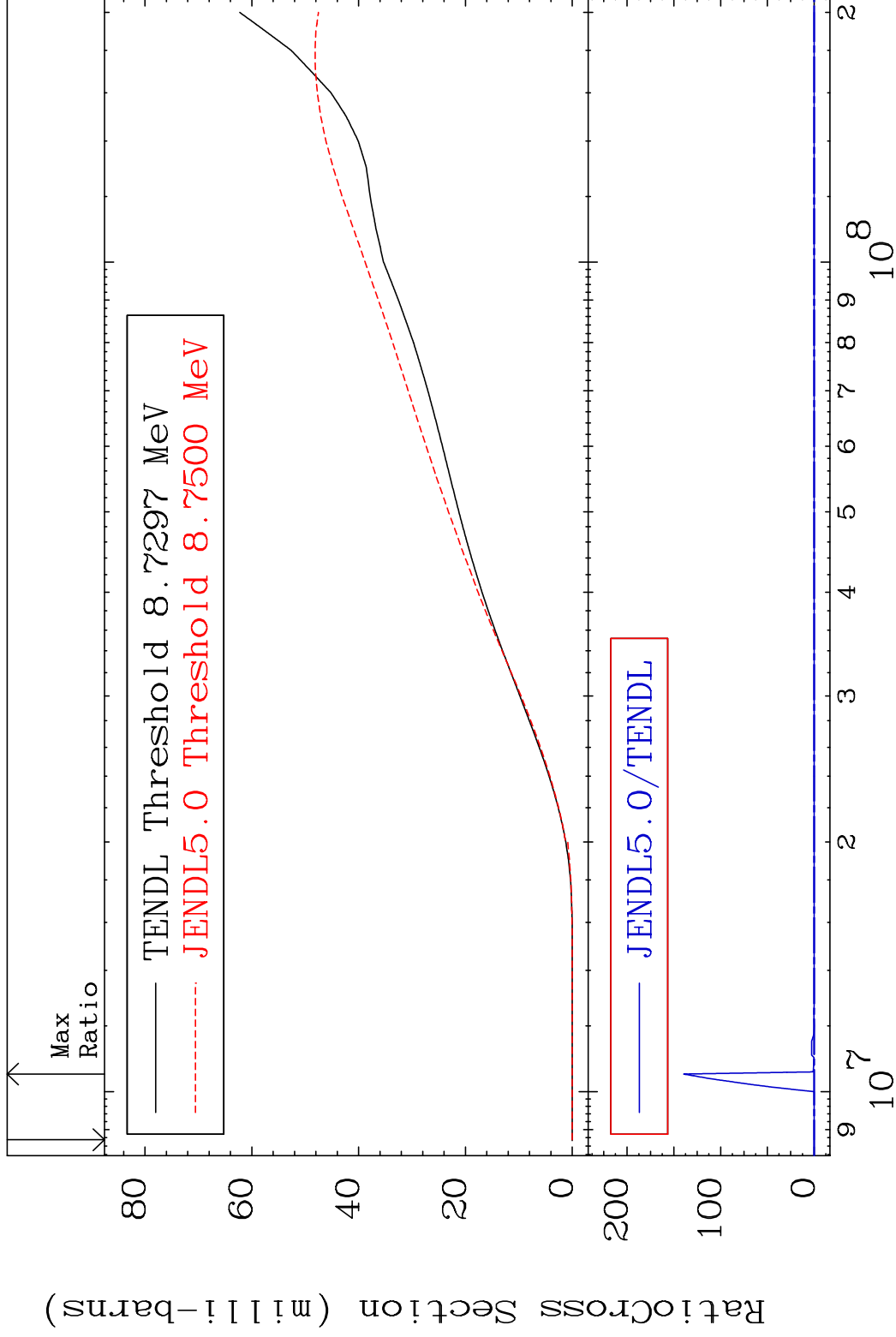
54-Xe-126

MAT 5431

Tritium Production

54-Xe-126

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

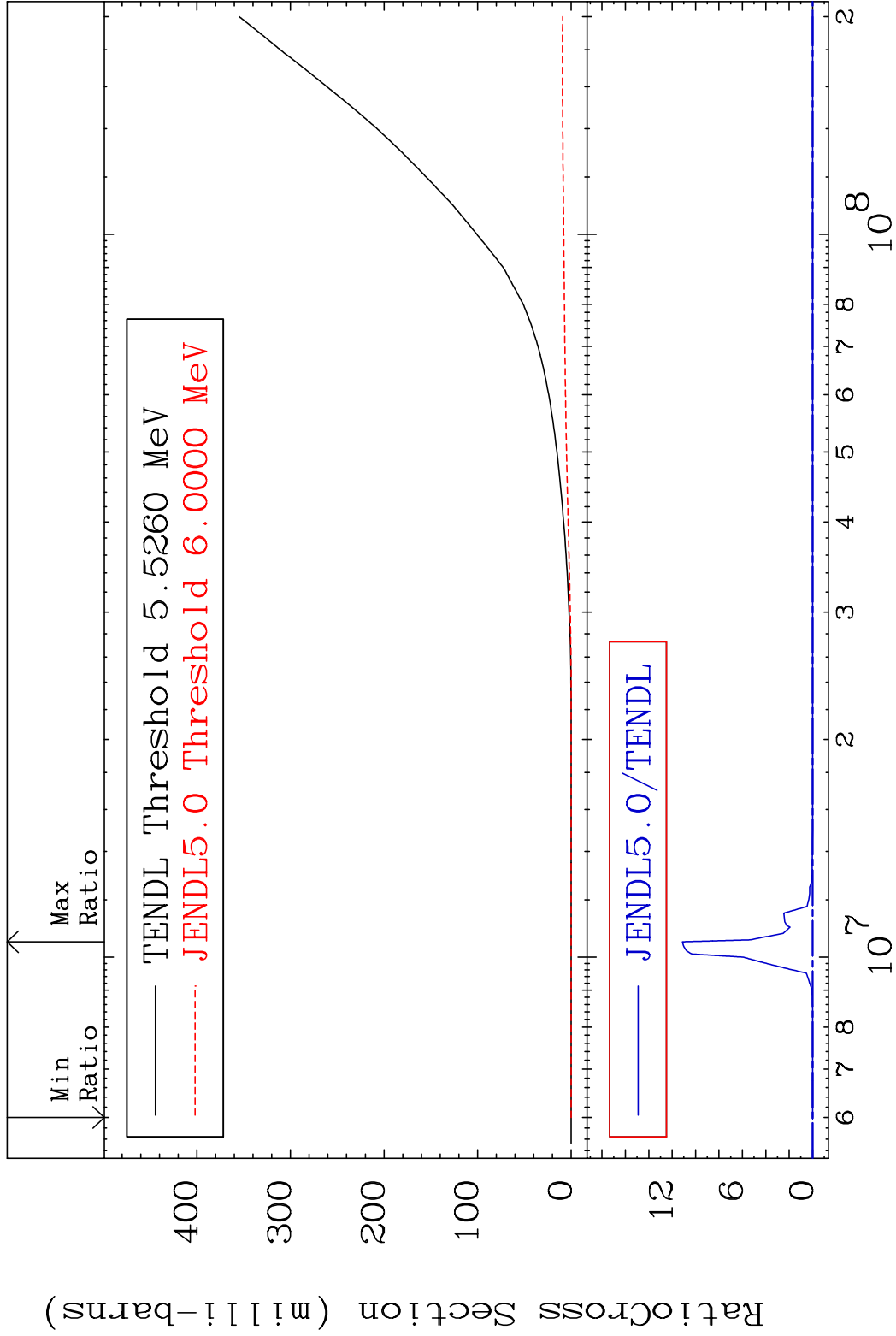
54-Xe-126

MAT 5431

He-3 Production

54-Xe-126

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

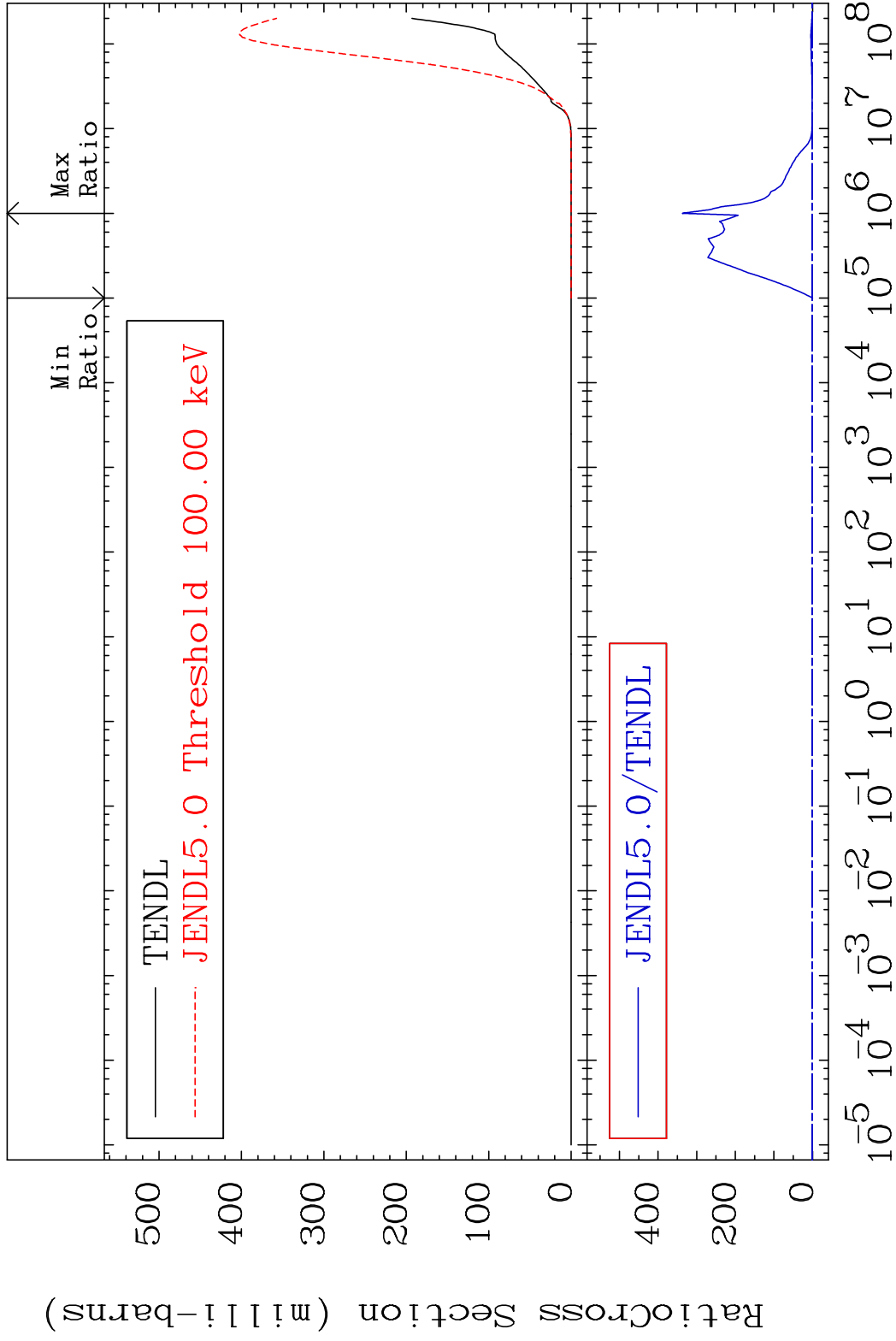
54-Xe-126

MAT 5431

He-4 Production

54-Xe-126

Cross Section -100.0 To 9999. %



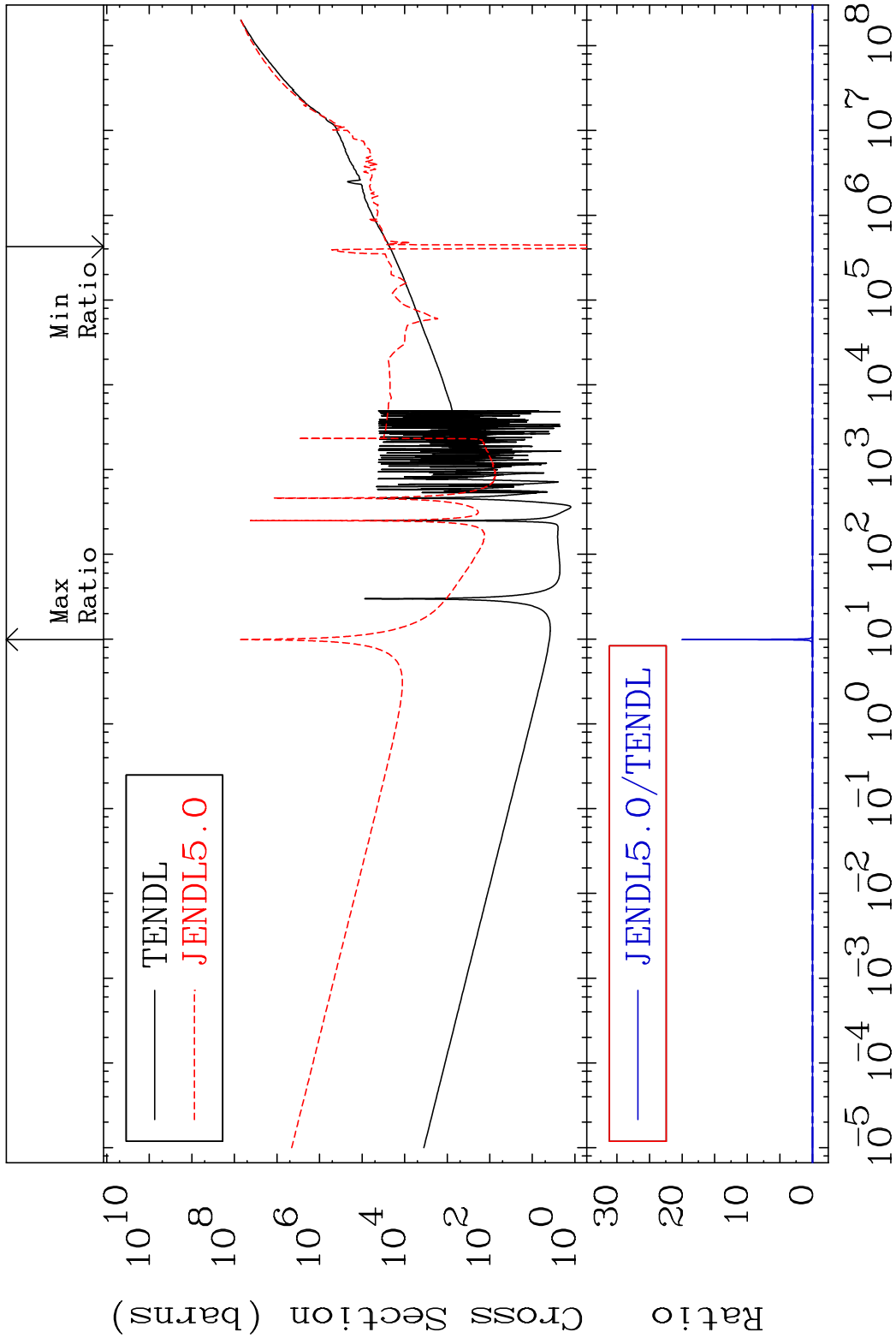
31

Incident Energy (eV)

54-Xe-126

MAT 5431

Kerma total (eV-barns) 54-Xe-126
Cross Section -399.7 To 9999. %

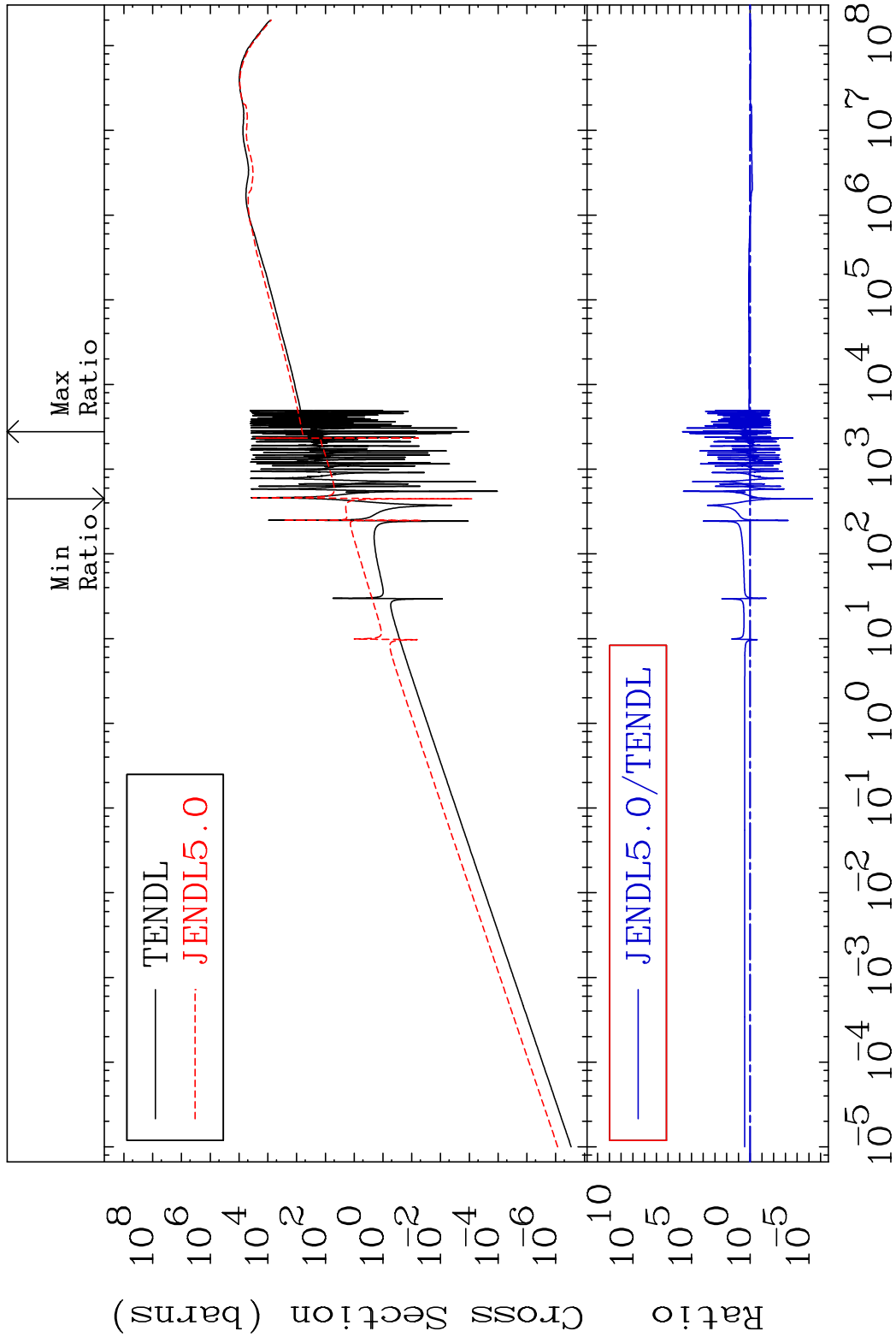


32

Incident Energy (eV) 54-Xe-126

MAT 5431

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

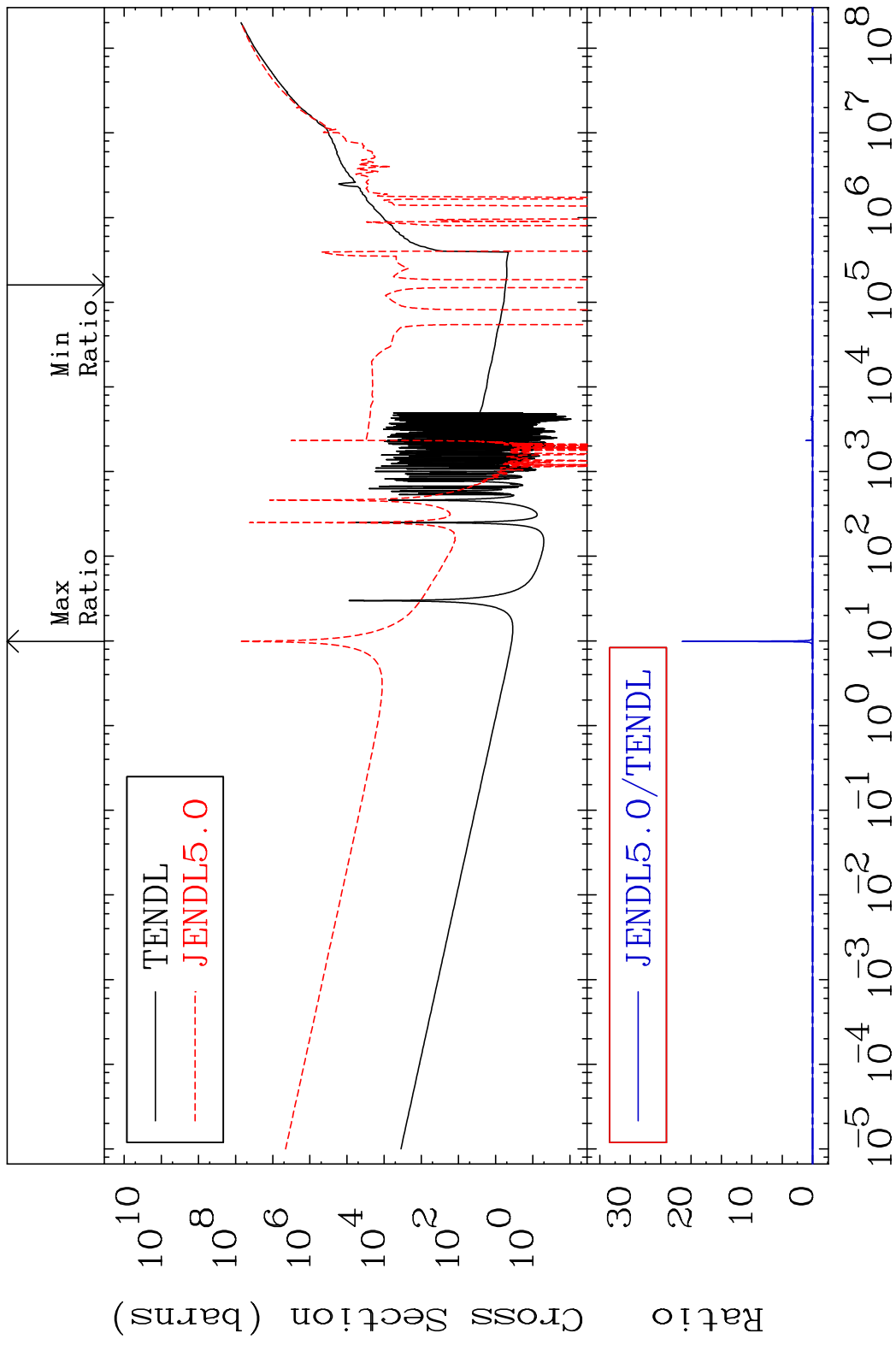


33

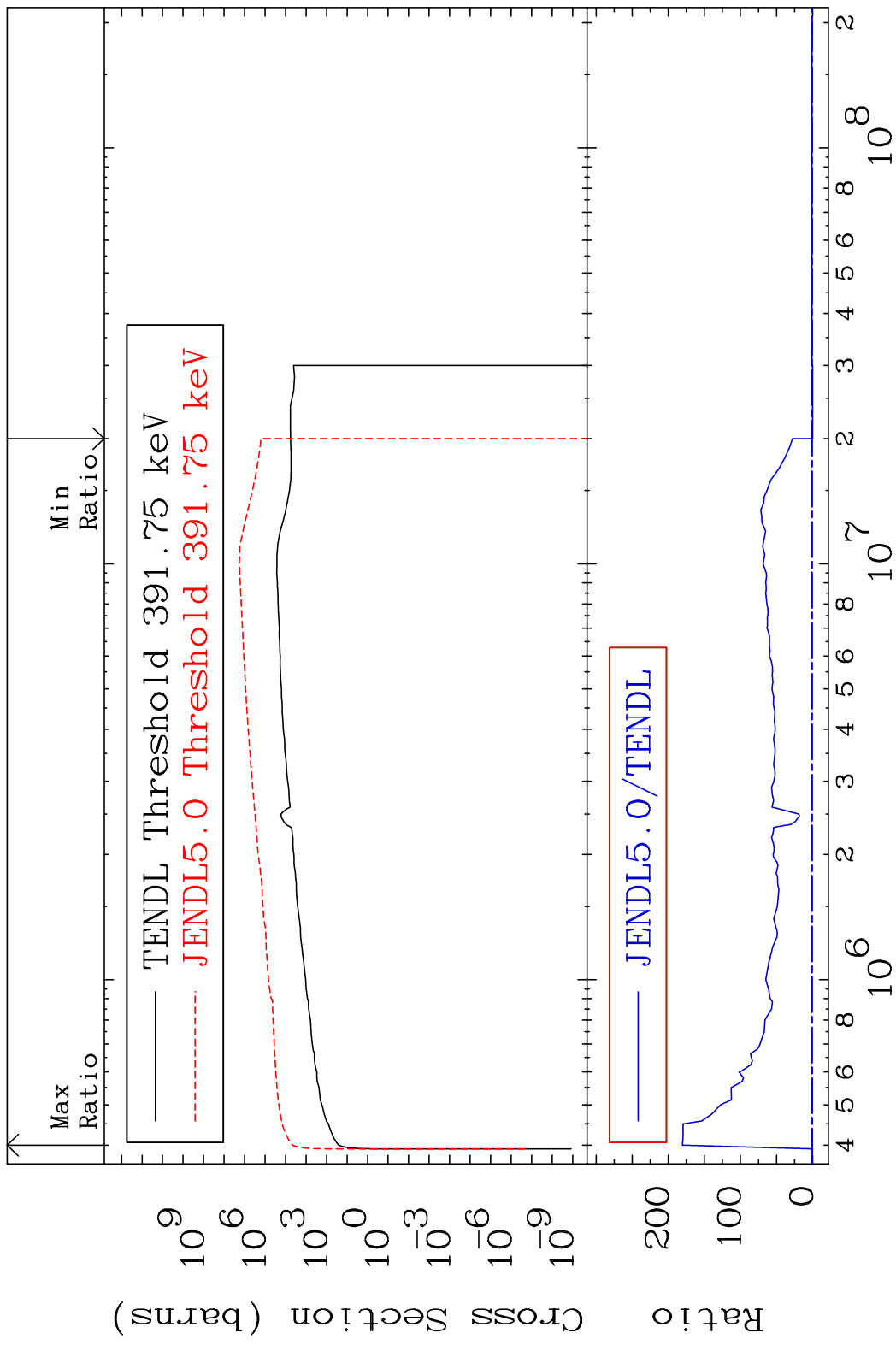
Incident Energy (eV)

54-Xe-126

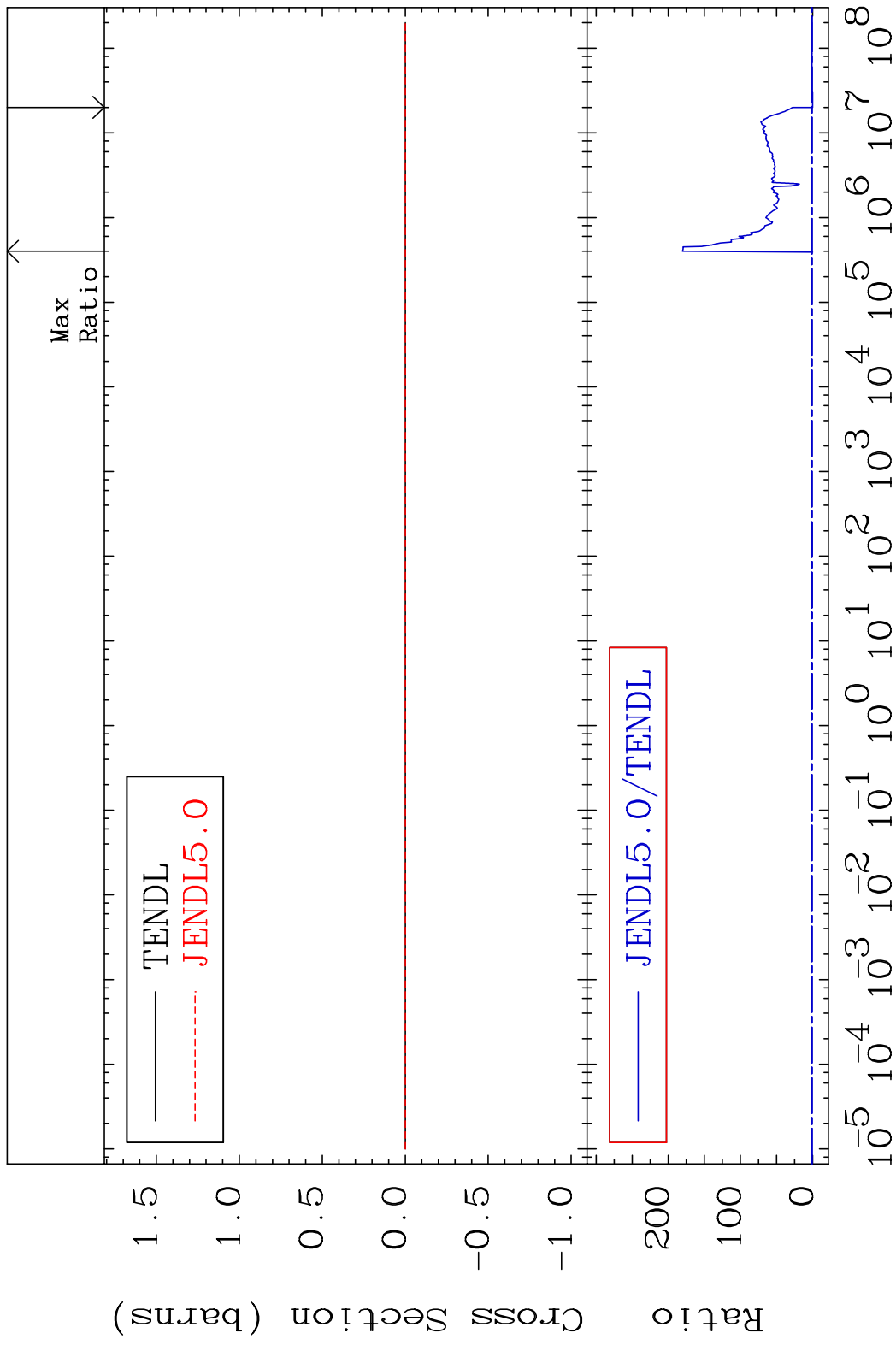
MAT 5431 Kerma non-elastic (all but mt2) 54-Xe-126
 Cross Section -9999. To 9999. %



MAT 5431 Kerma inelastic (mt51-91) 54-Xe-126
 Cross Section -100.0 To 9999. %



MAT 5431 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-126
 Cross Section -100.0 To 9999. %

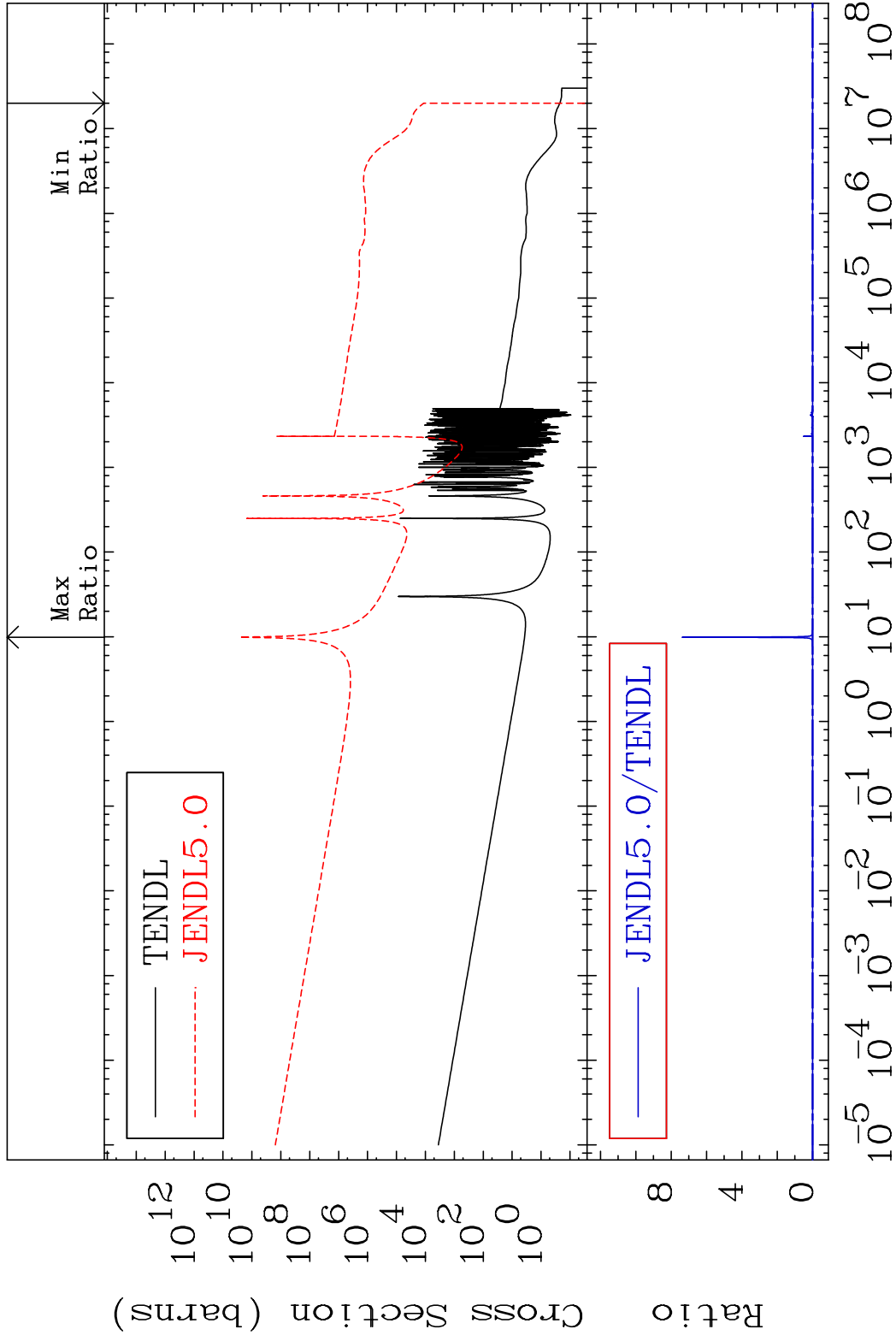


MAT 5431

Kerma capture (mt102)

54-Xe-126

Cross Section -100.0 To 9999. %

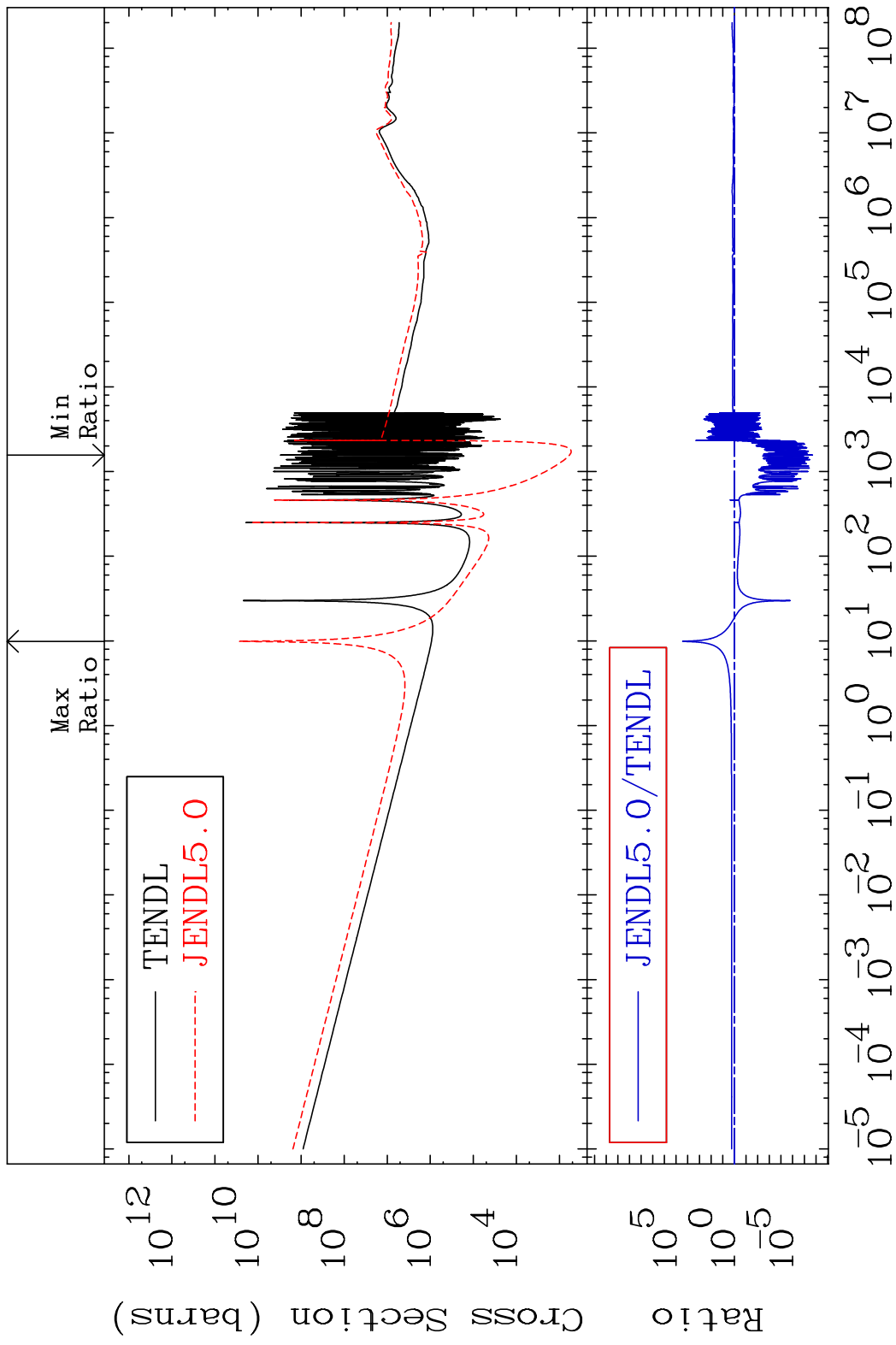


37

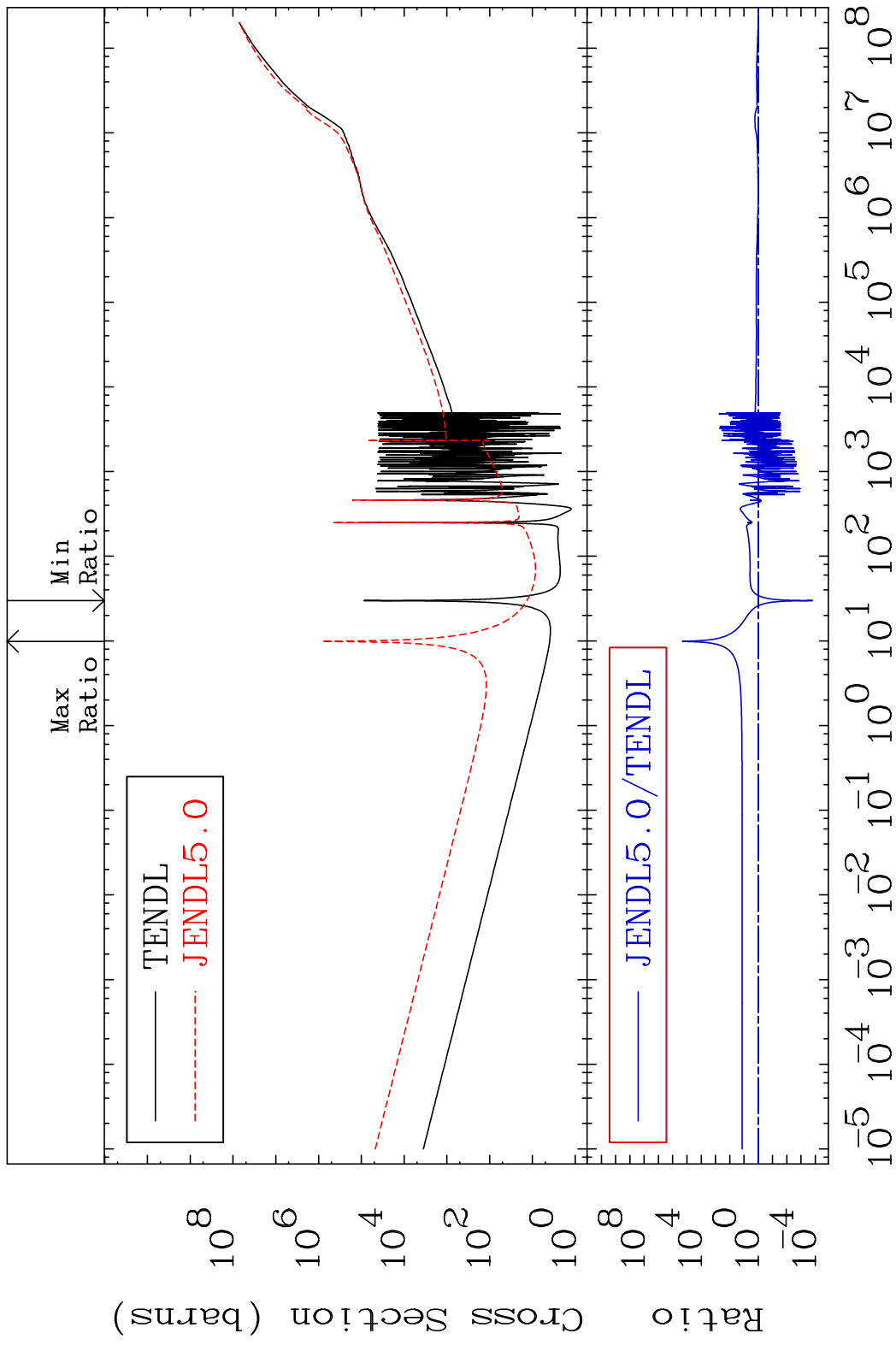
Incident Energy (eV)

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 -99.98 To 9999. %

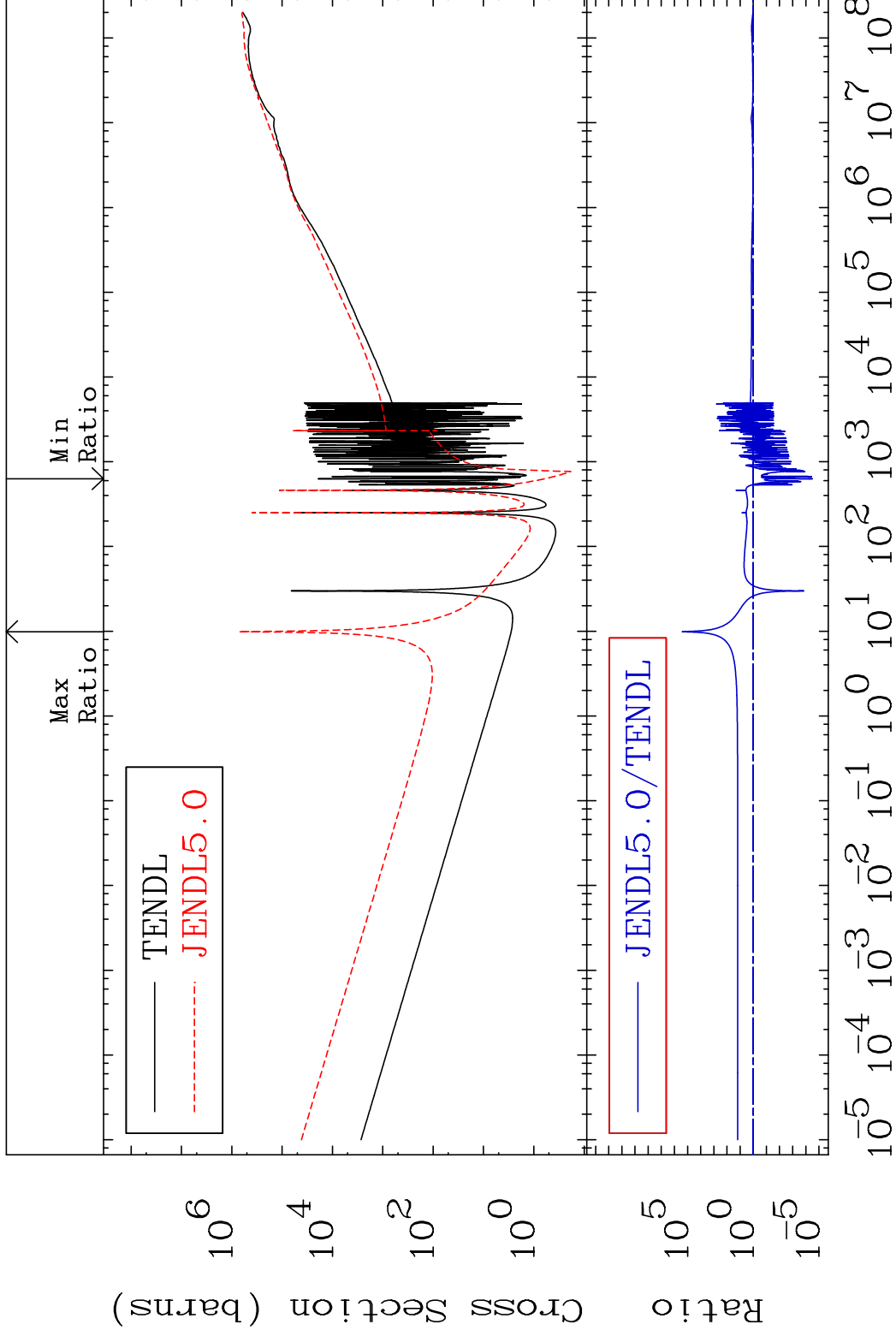


MAT 5431

Dpa total (eV-barns)

54-Xe-126

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

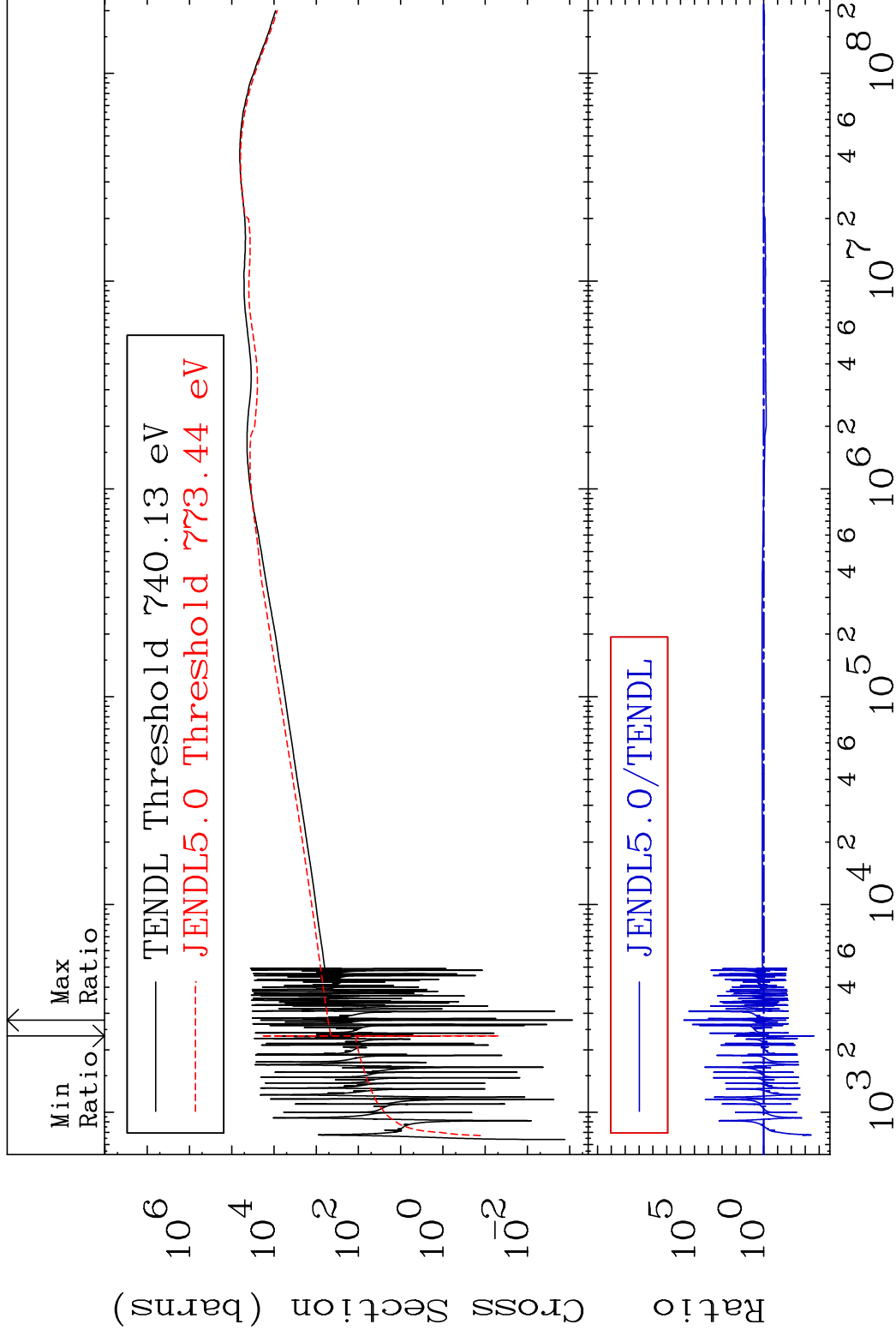
54-Xe-126

MAT 5431

Dpa elastic (mt2)

54-Xe-126

Cross Section -99.98 To 9999. %

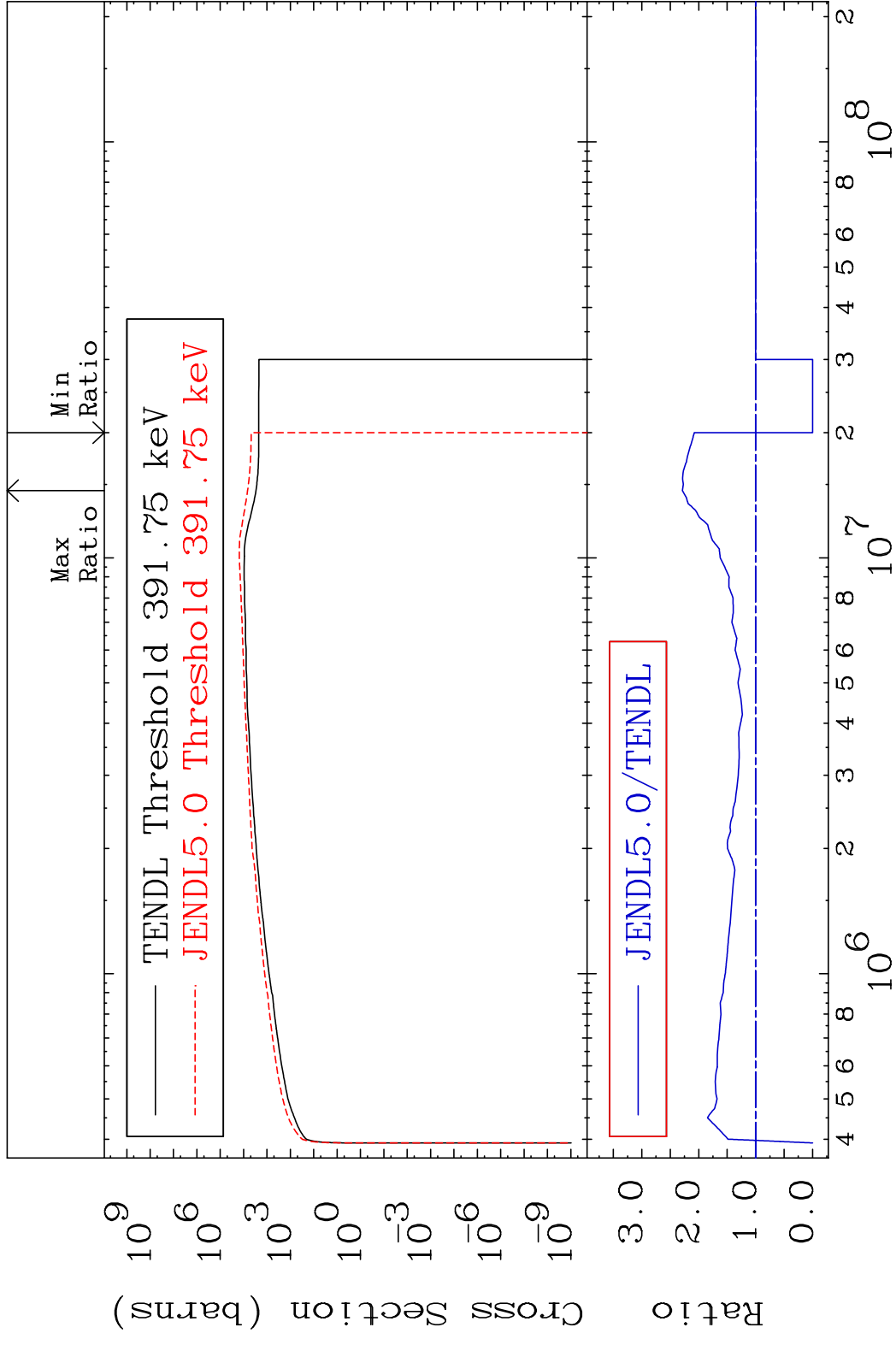


41

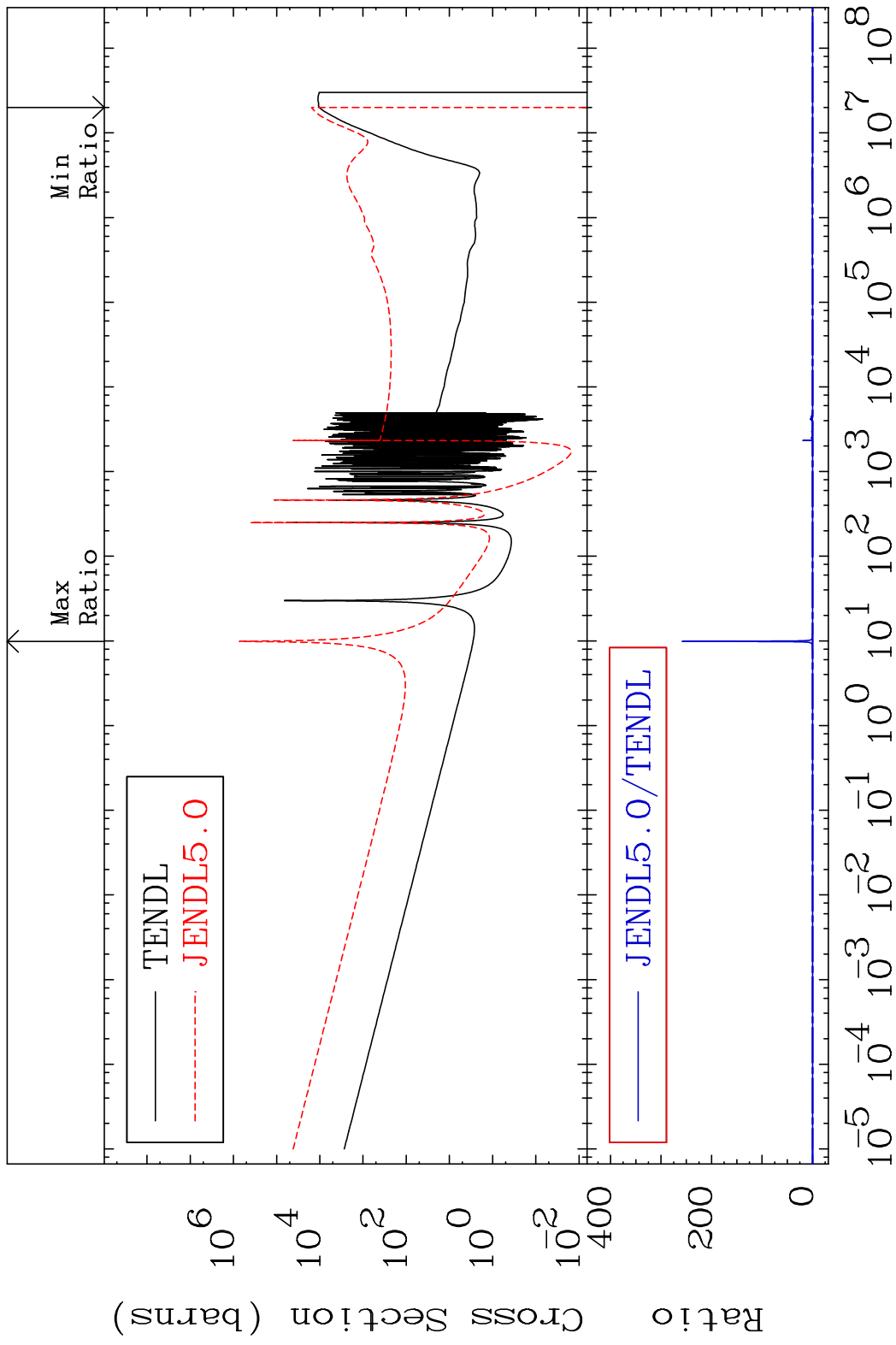
Incident Energy (eV)

54-Xe-126

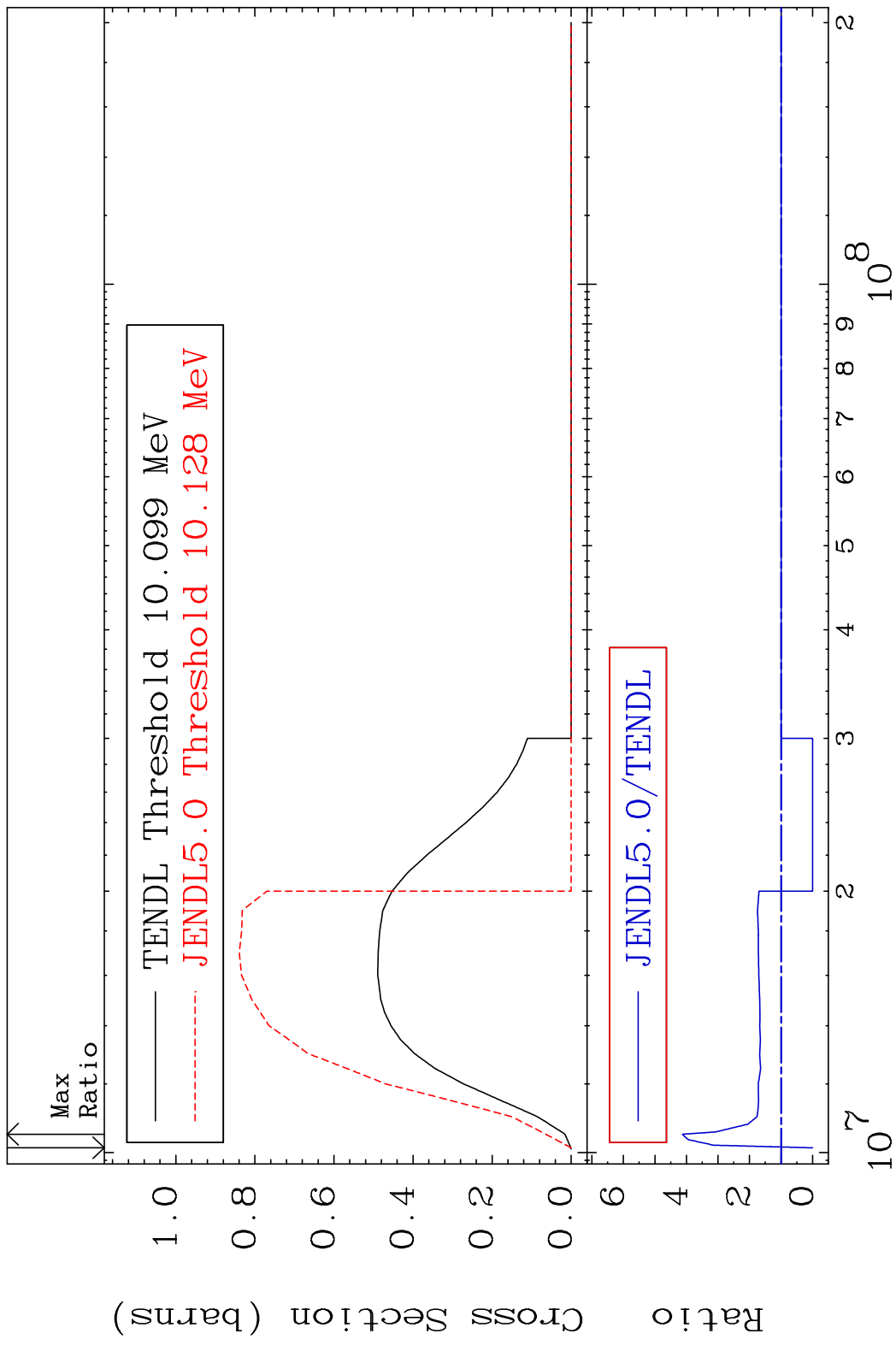
MAT 5431 Dpa inelastic (mt51-91) 54-Xe-126
 Cross Section -100.0 To 128.7 %



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

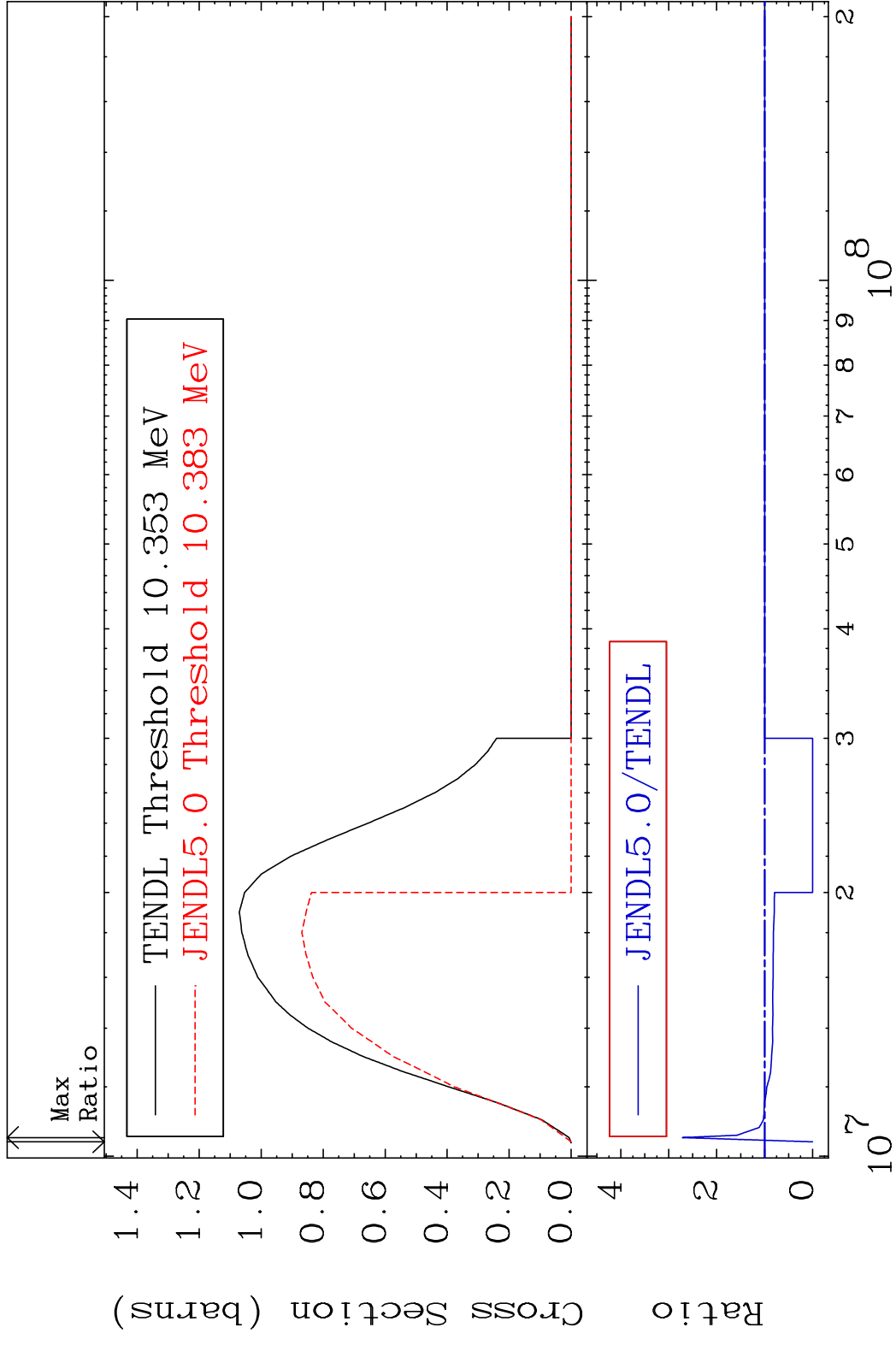


MAT 5431 (n,2n):54-Xe-125g 54-Xe-126
 Radionuclide Production Cross Section Ratio 313.0 %



44 Incident Energy (eV) 54-Xe-126

MAT 5431 (n,2n):54-Xe-125m2 54-Xe-126
 Radionuclide Production Cross Section 180.0 dth 171.7 %

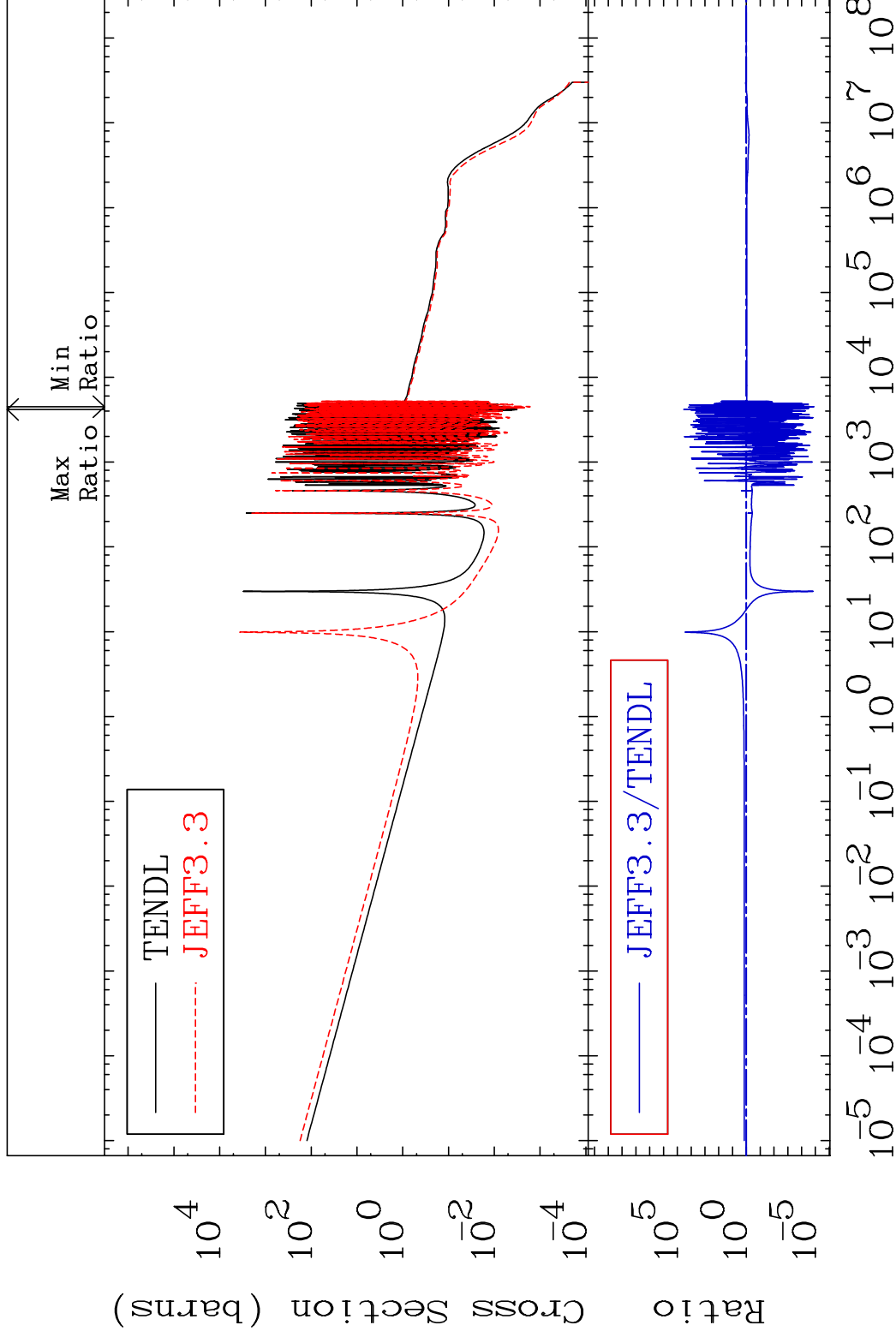


MAT 5431

(n, γ)

54-Xe-126

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

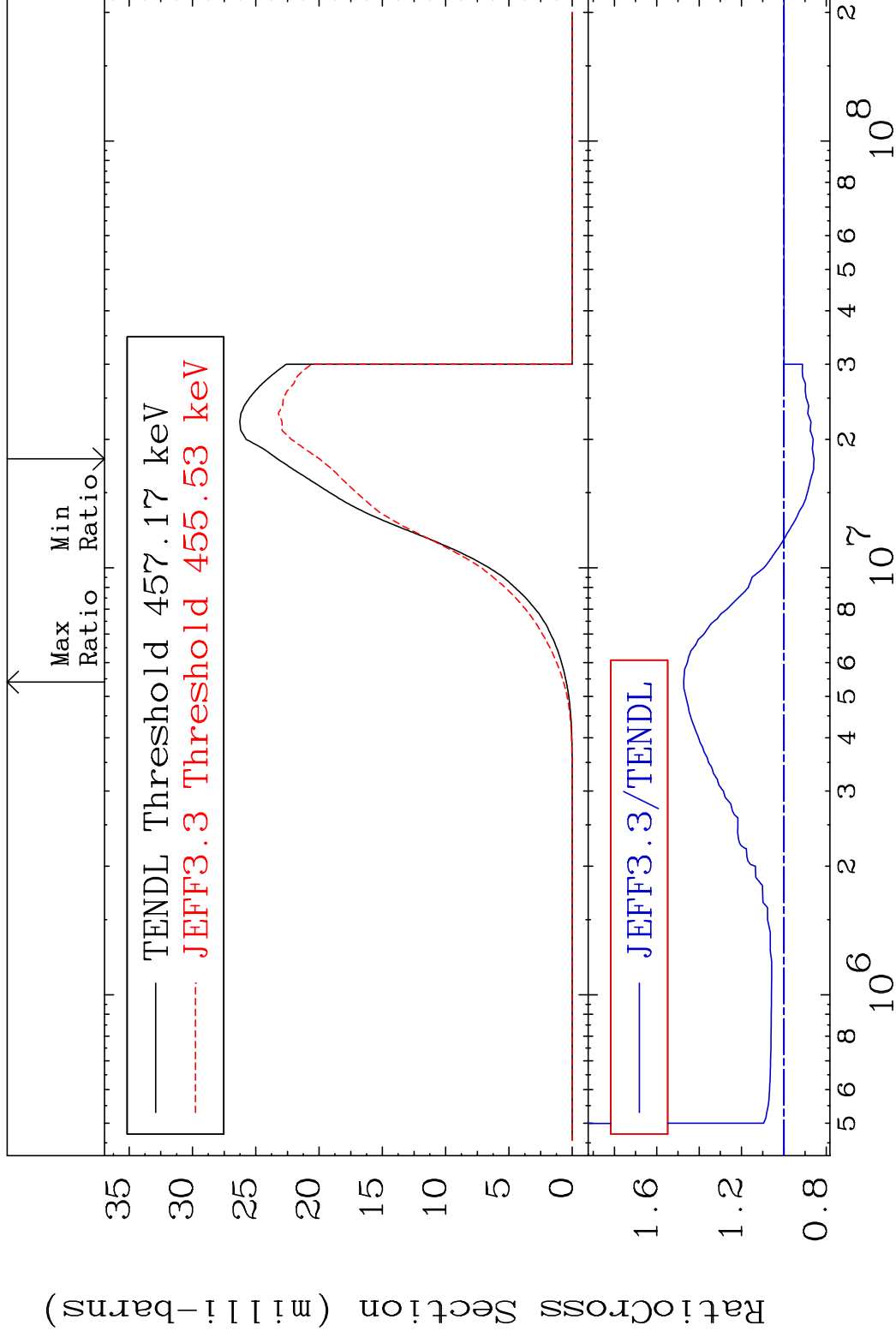
54-Xe-126

MAT 5431

(n, p)

54-Xe-126

Cross Section -14.25 To 47.30 %



47

Incident Energy (eV)

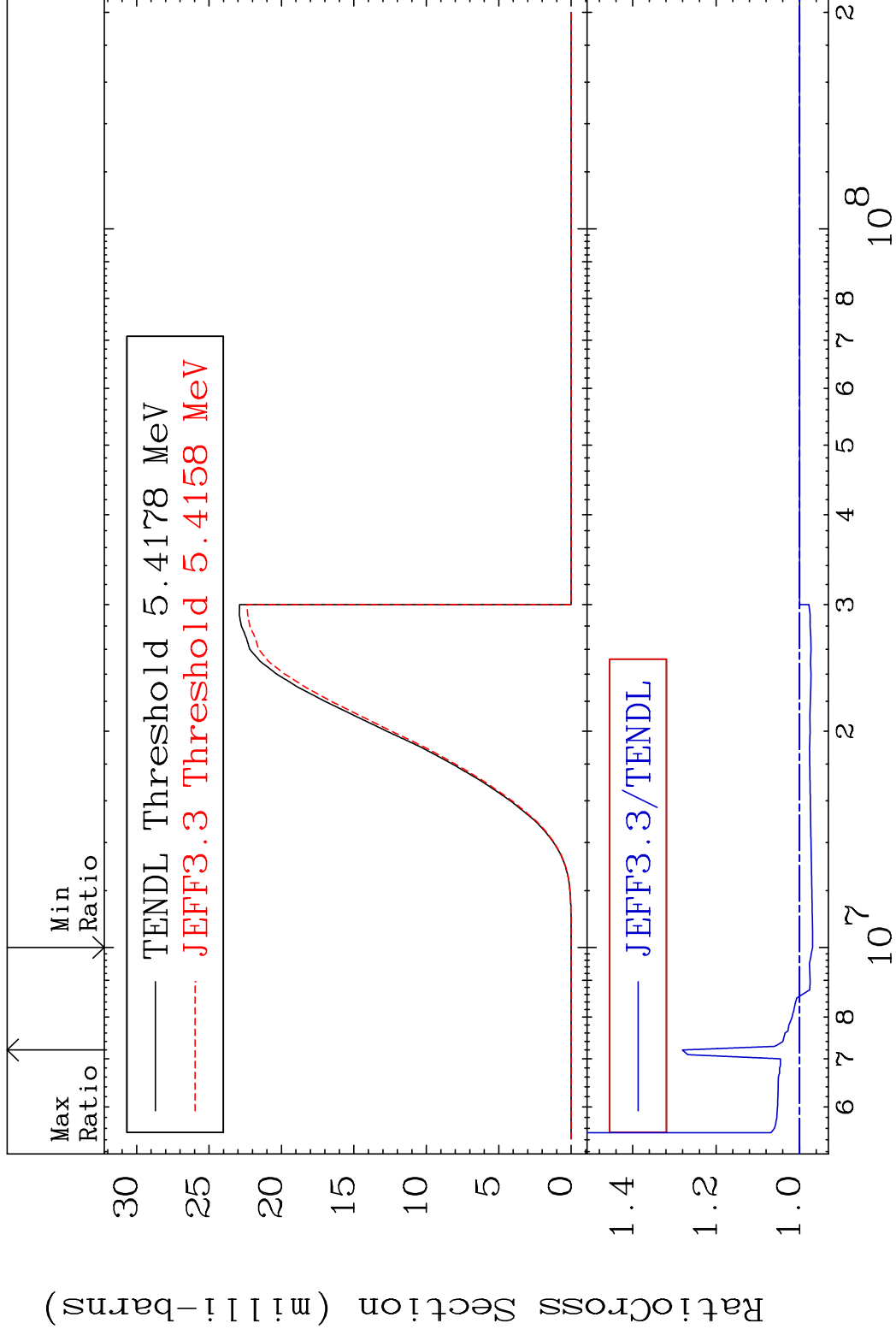
54-Xe-126

MAT 5431

(n, d)

54-Xe-126

Cross Section -3.129 To 28.09 %



48

Incident Energy (eV)

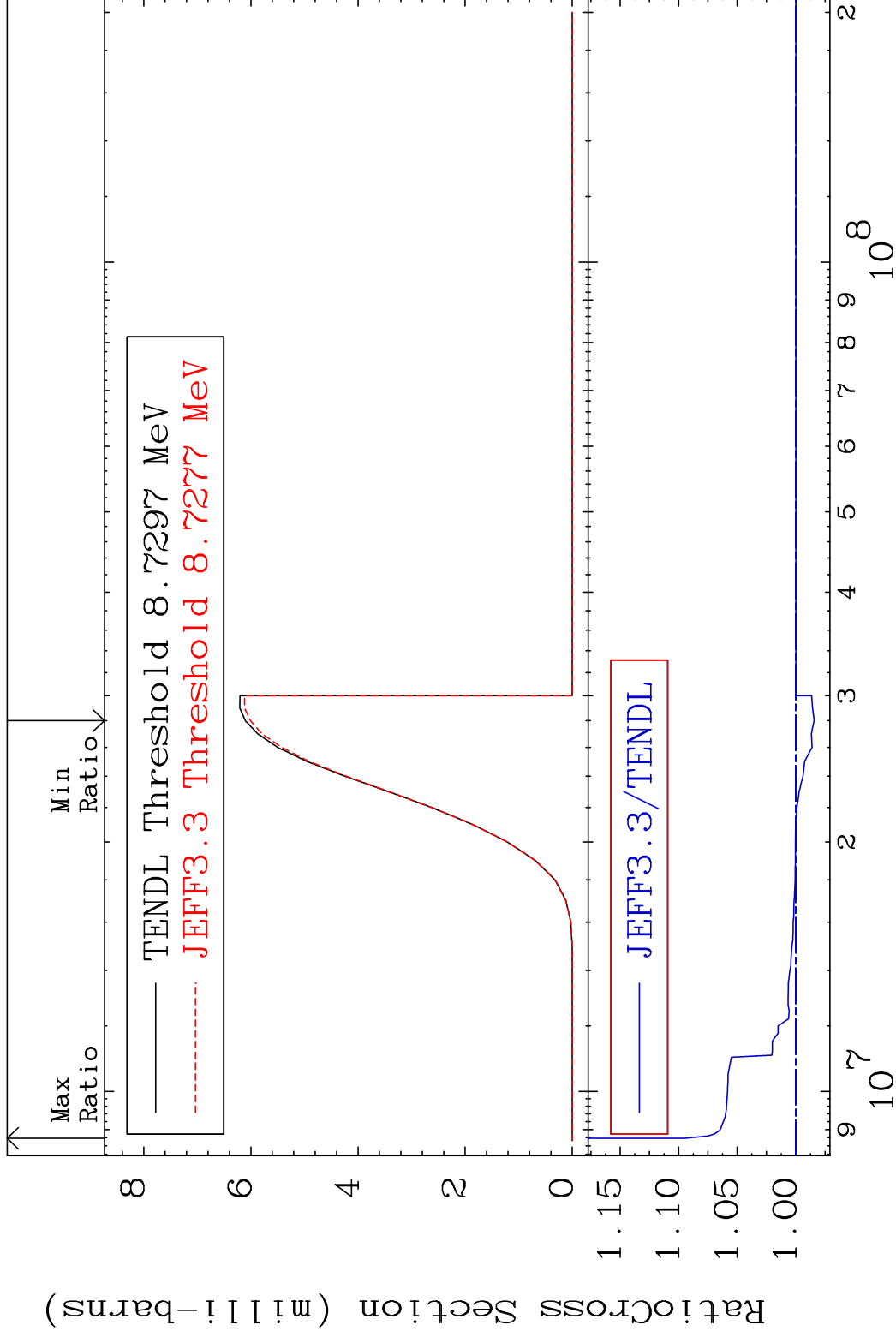
54-Xe-126

MAT 5431

(n, t)

54-Xe-126

Cross Section -1.565 To 9.577 %



49

Incident Energy (eV)

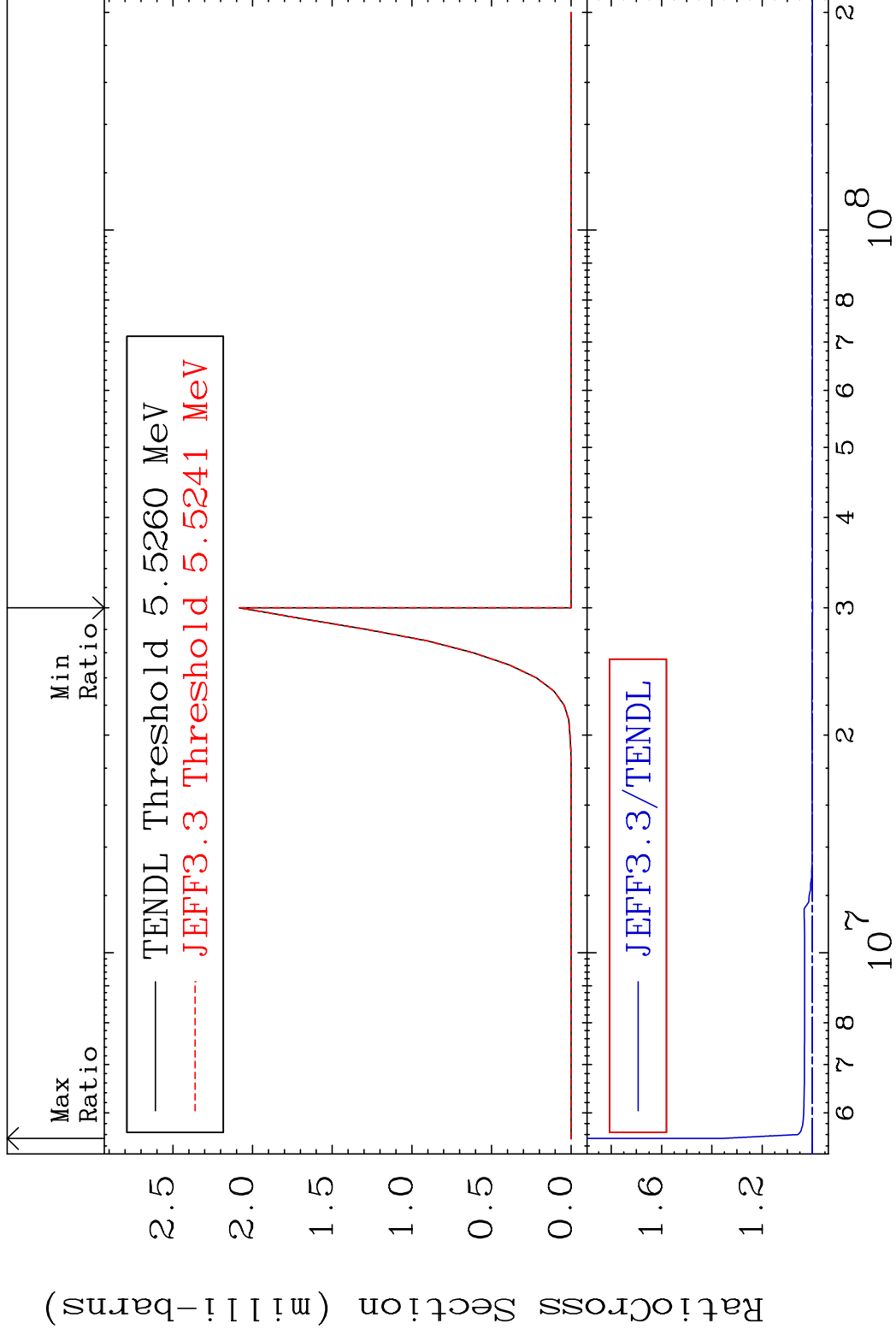
54-Xe-126

MAT 5431

(n, He-3)

54-Xe-126

Cross Section -0.060 To 51.73 %



50

Incident Energy (eV)

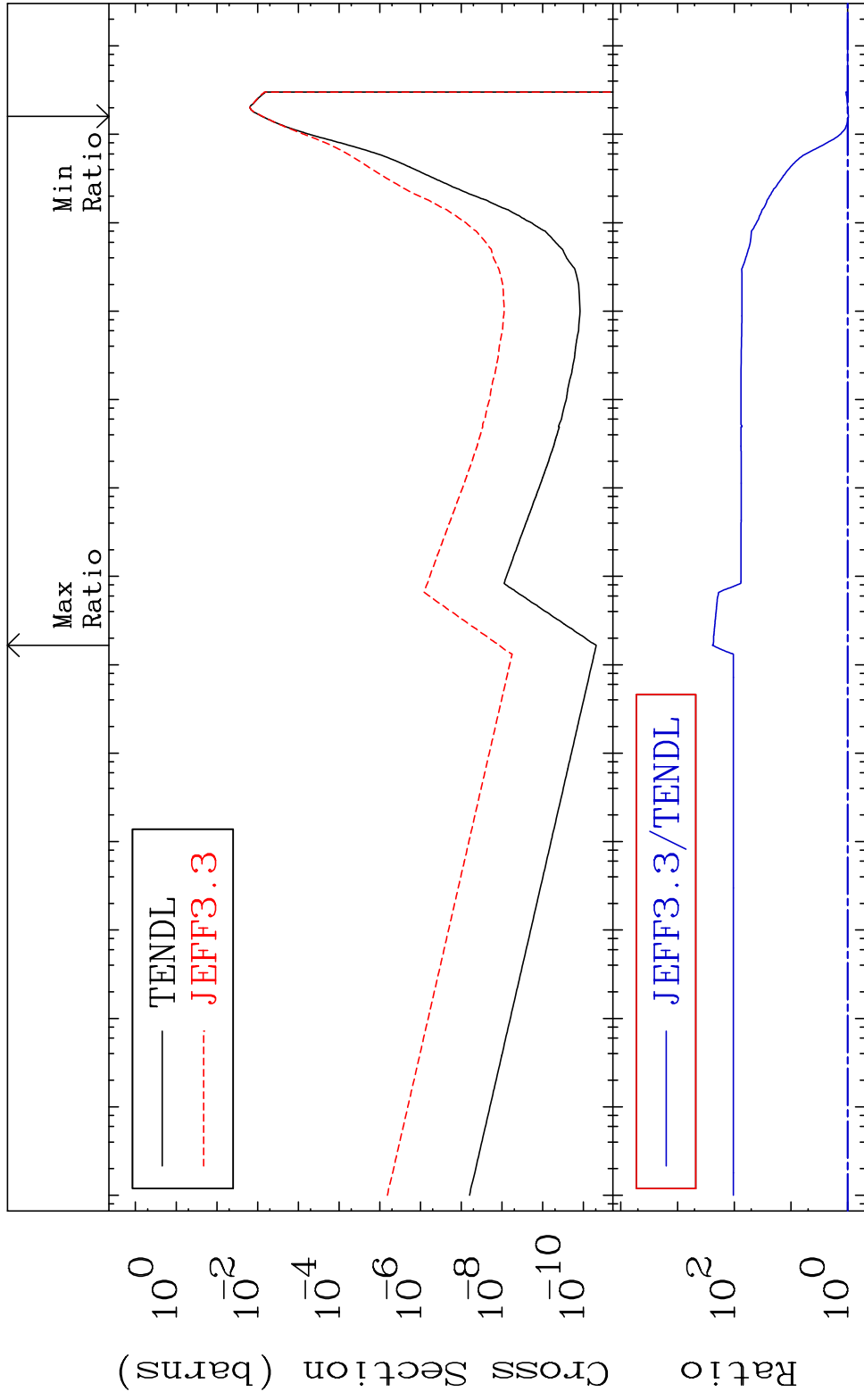
54-Xe-126

MAT 5431

(n, α)

54-Xe-126

Cross Section -2.538 To 9999. %



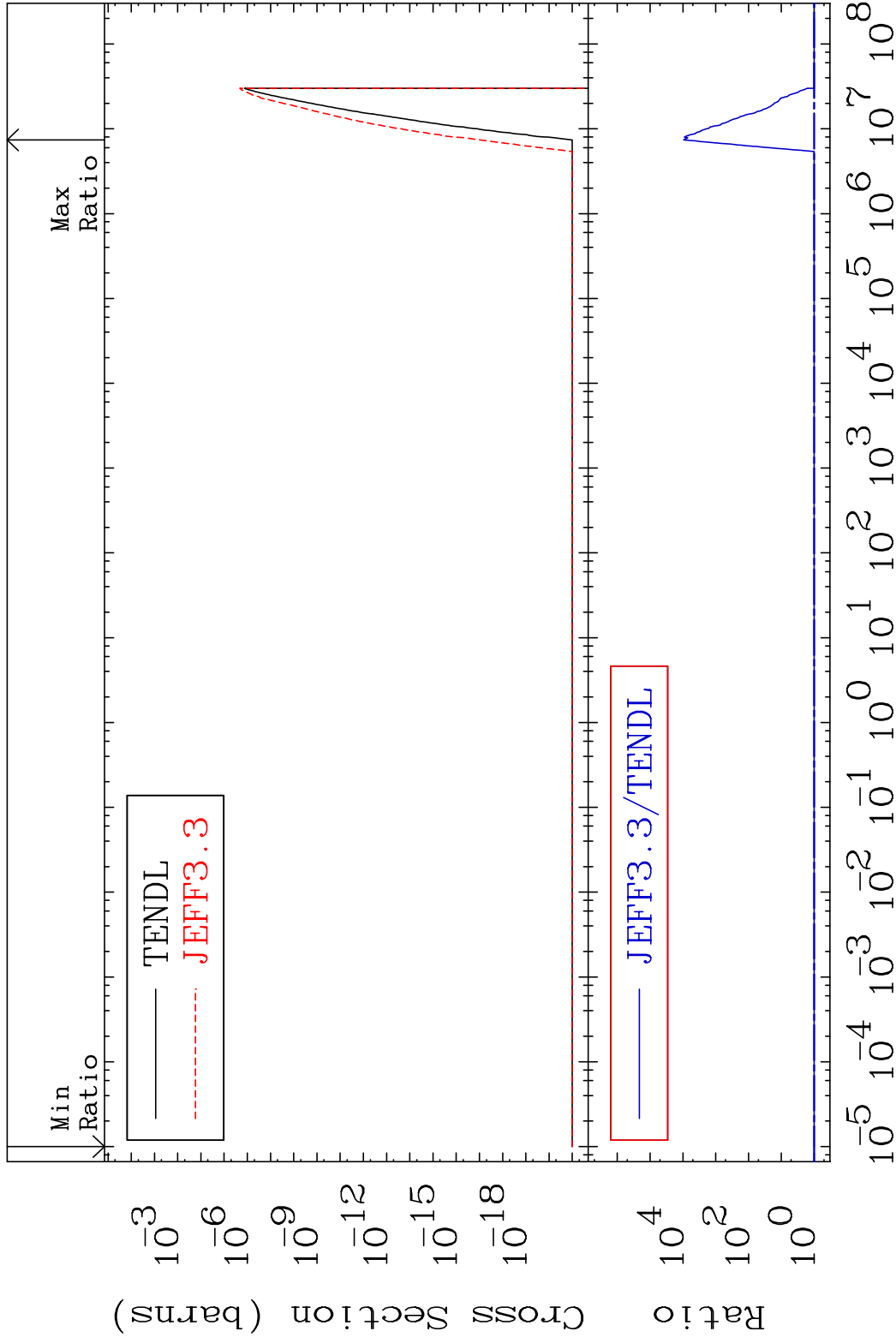
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 5431

(n,2α)

54-Xe-126

Cross Section 0.000 To 9999. %



52

Incident Energy (eV)

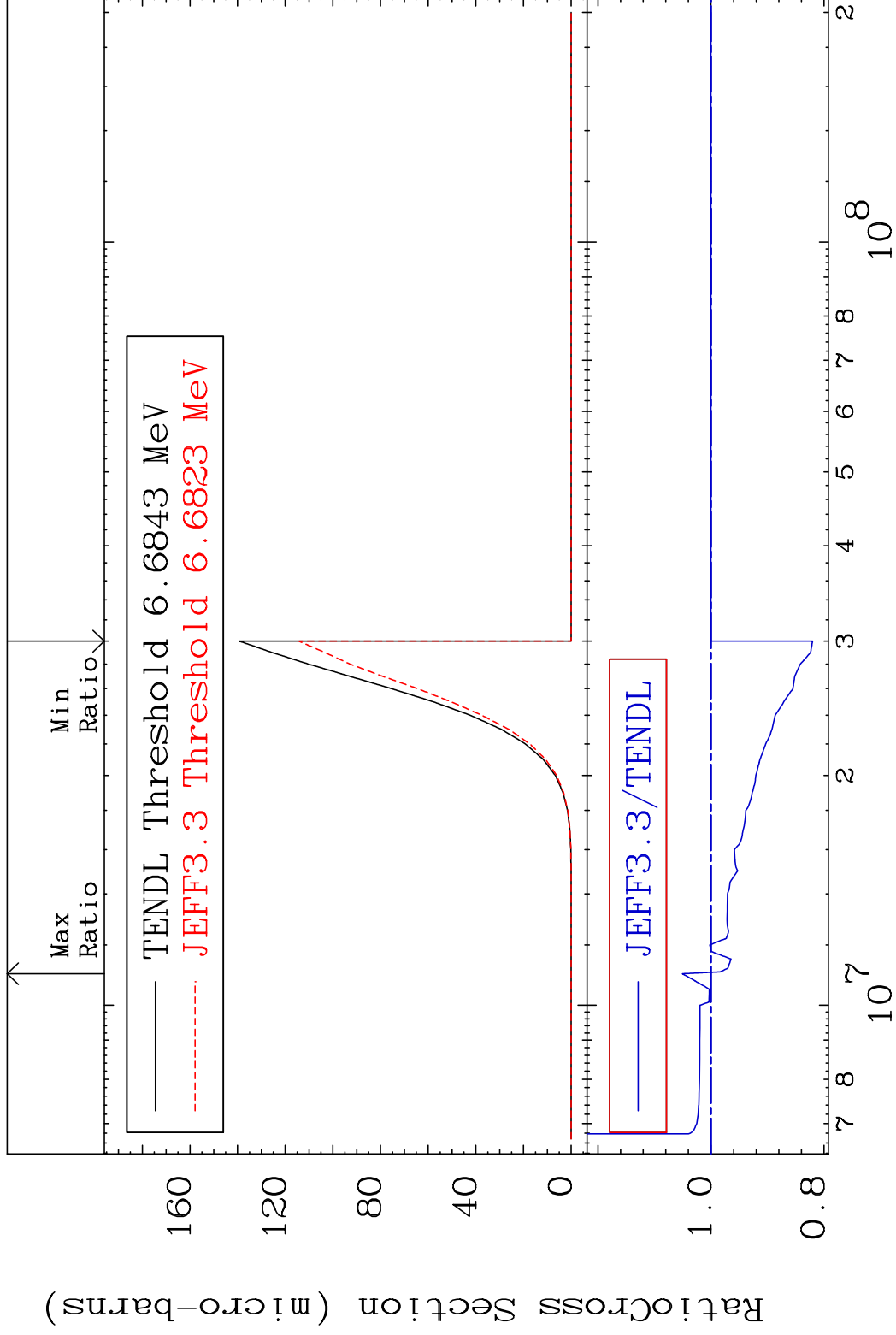
54-Xe-126

MAT 5431

(n,2p)

54-Xe-126

Cross Section -17.98 To 5.074 %



53

Incident Energy (eV)

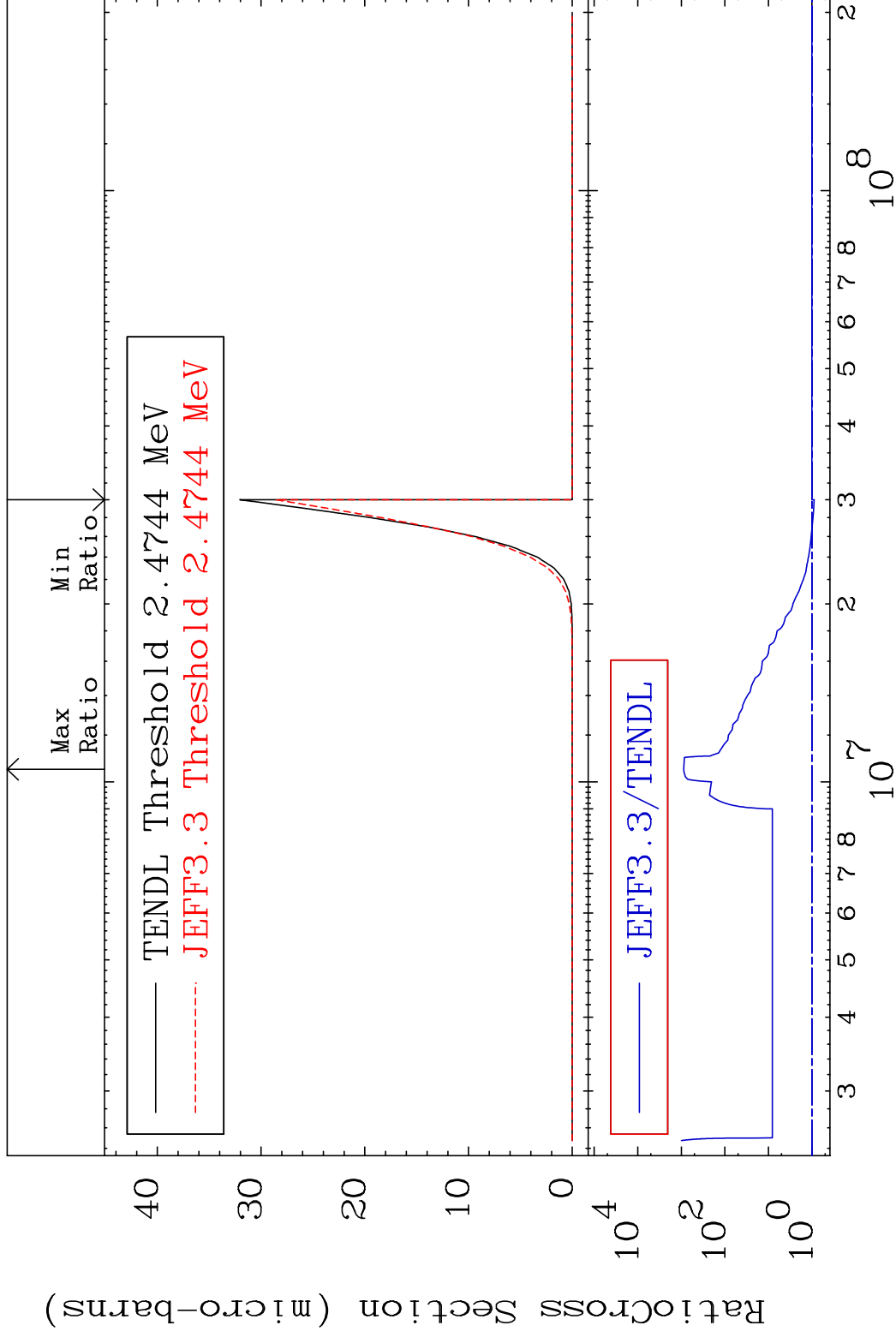
54-Xe-126

MAT 5431

(n,p) α

54-Xe-126

Cross Section -10.83 To 9999. %



54

Incident Energy (eV)

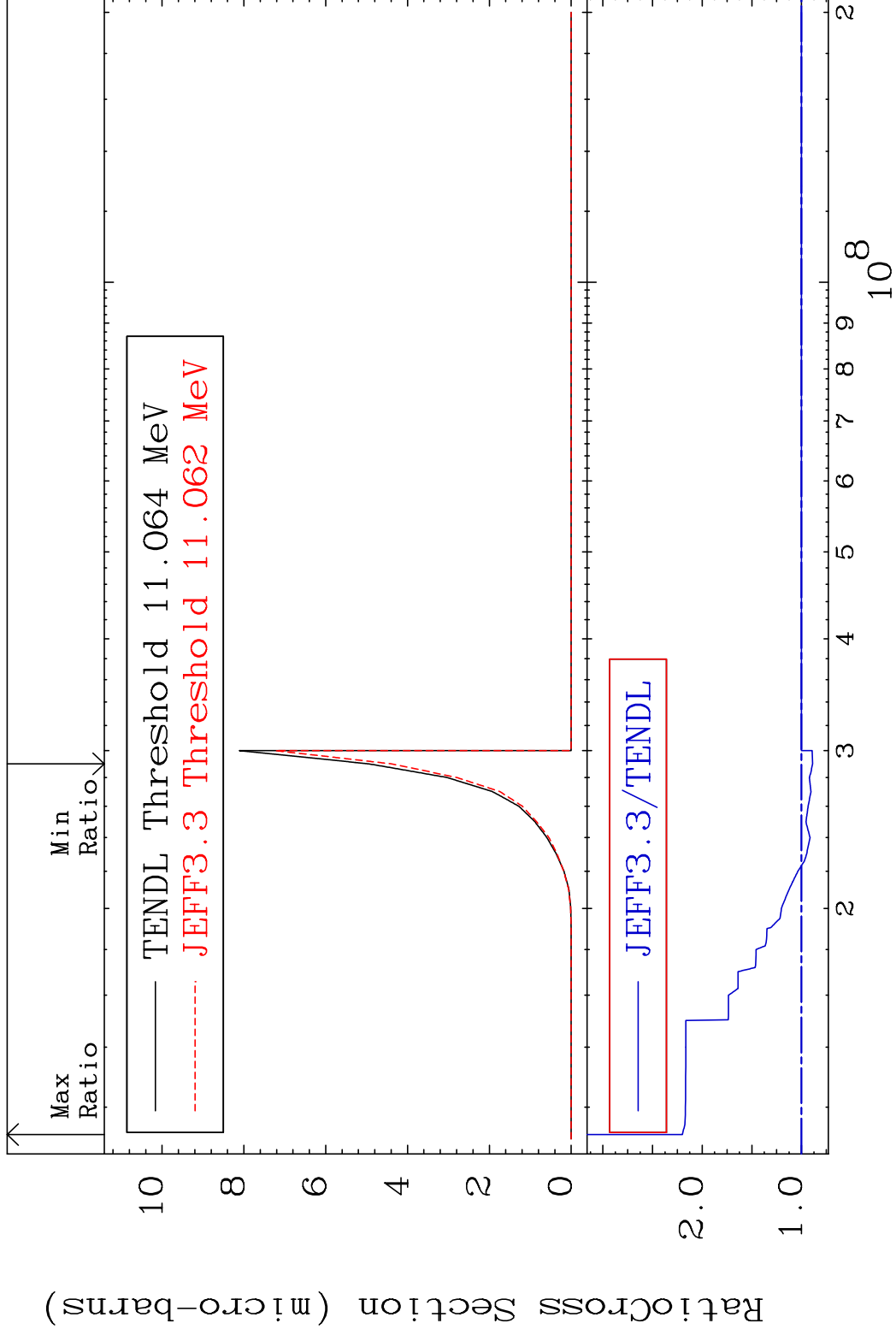
54-Xe-126

MAT 5431

(n,p) d

54-Xe-126

Cross Section -11.12 To 120.0 %



55

Incident Energy (eV)

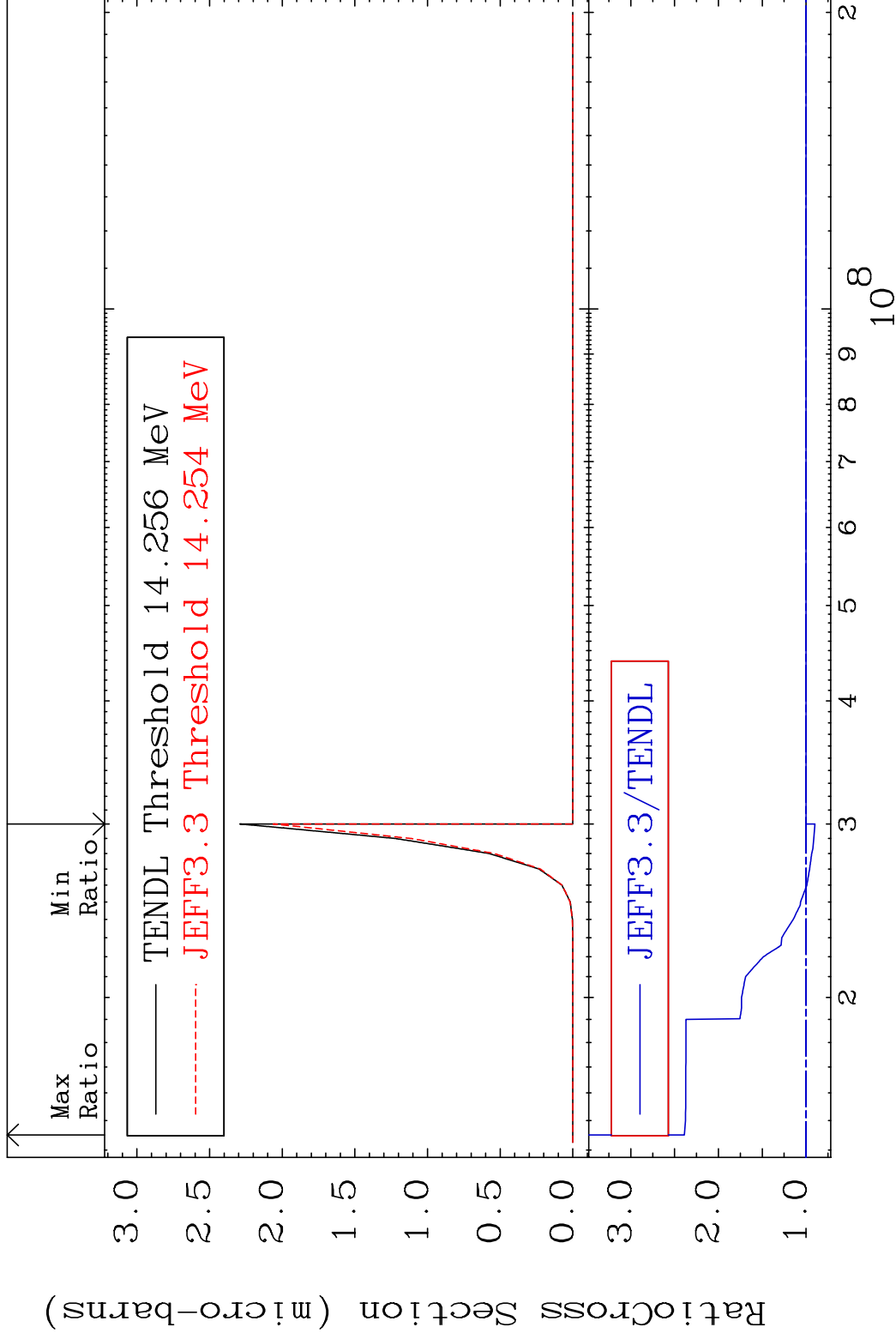
54-Xe-126

MAT 5431

(n,p) t

54-Xe-126

Cross Section -10.05 To 138.9 %



56

Incident Energy (eV)

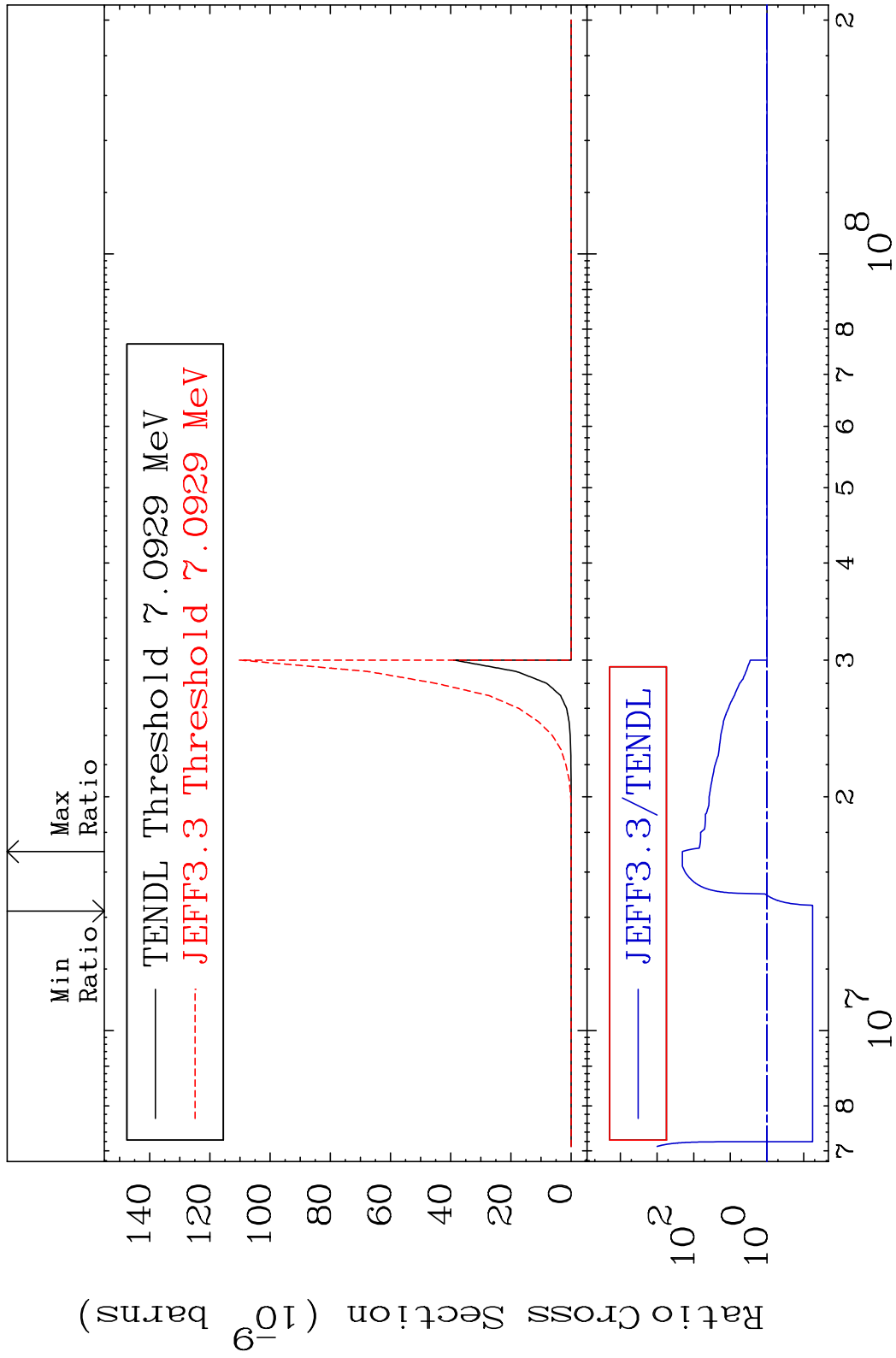
54-Xe-126

MAT 5431

(n,d) α

54-Xe-126

Cross Section -94.28 To 9999. %



57

Incident Energy (eV)

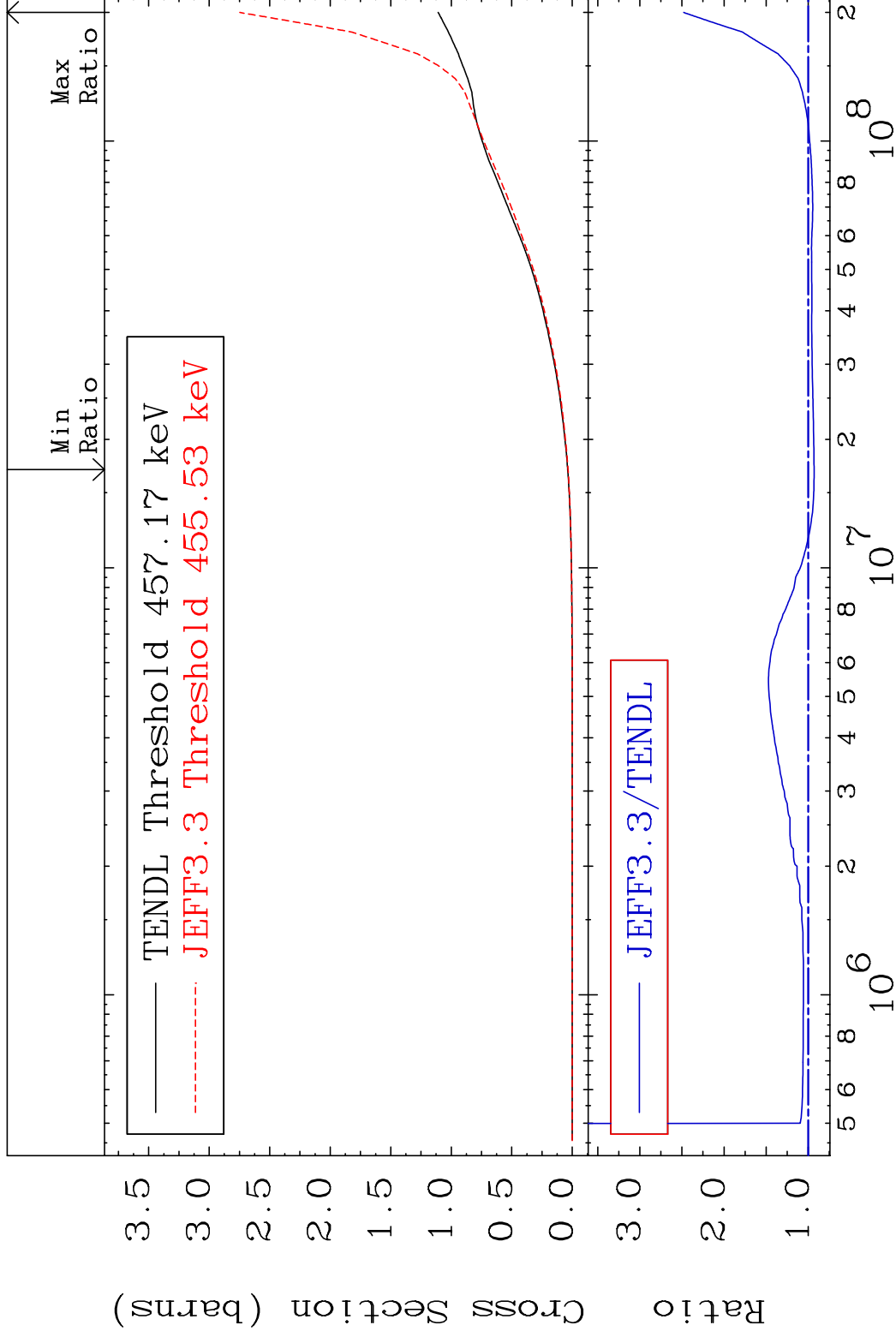
54-Xe-126

MAT 5431

Hydrogen Production

54-Xe-126

Cross Section -6.916 To 147.9 %



58

Incident Energy (eV)

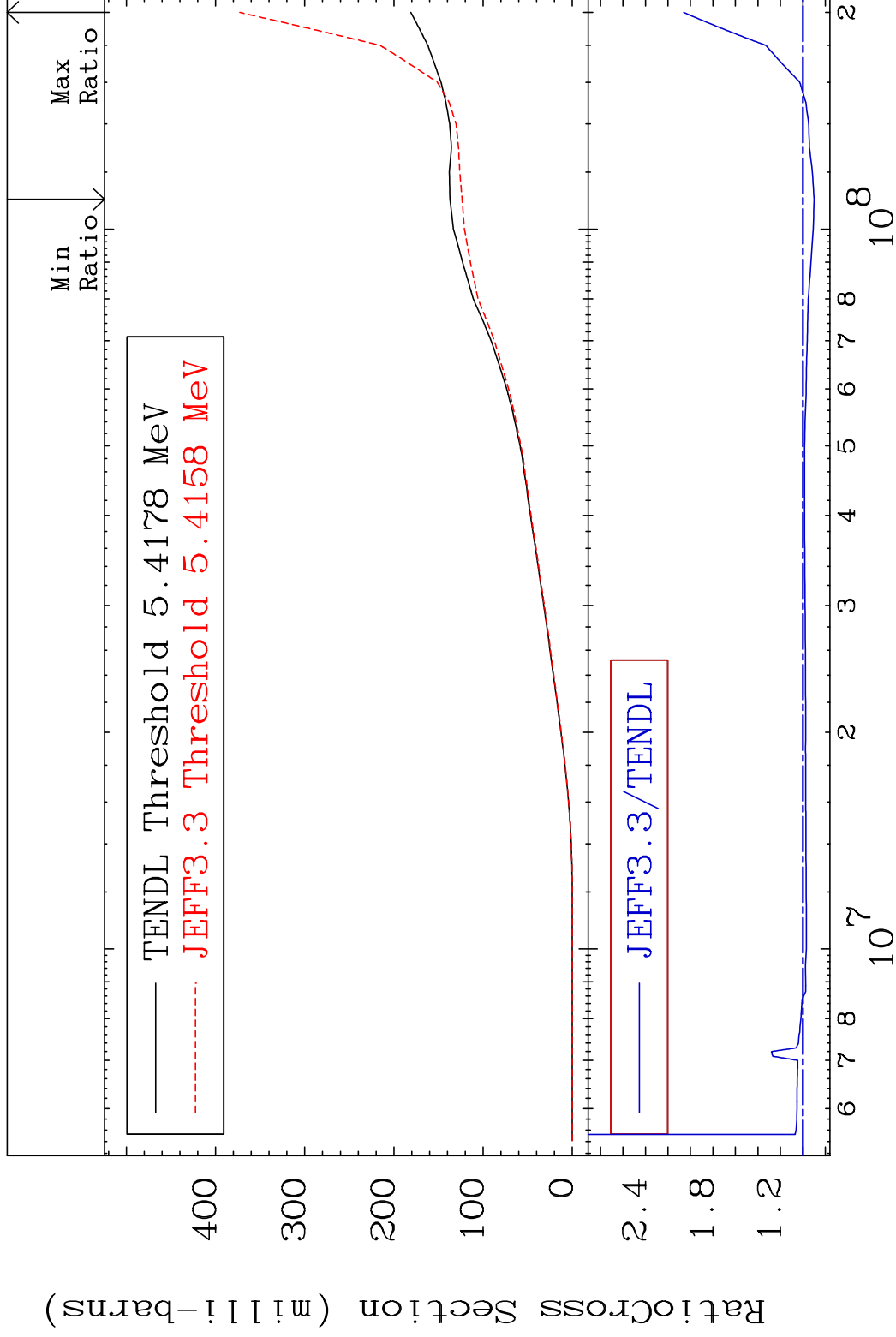
54-Xe-126

MAT 5431

Deuterium Production

54-Xe-126

Cross Section -9.985 To 106.0 %



59

Incident Energy (eV)

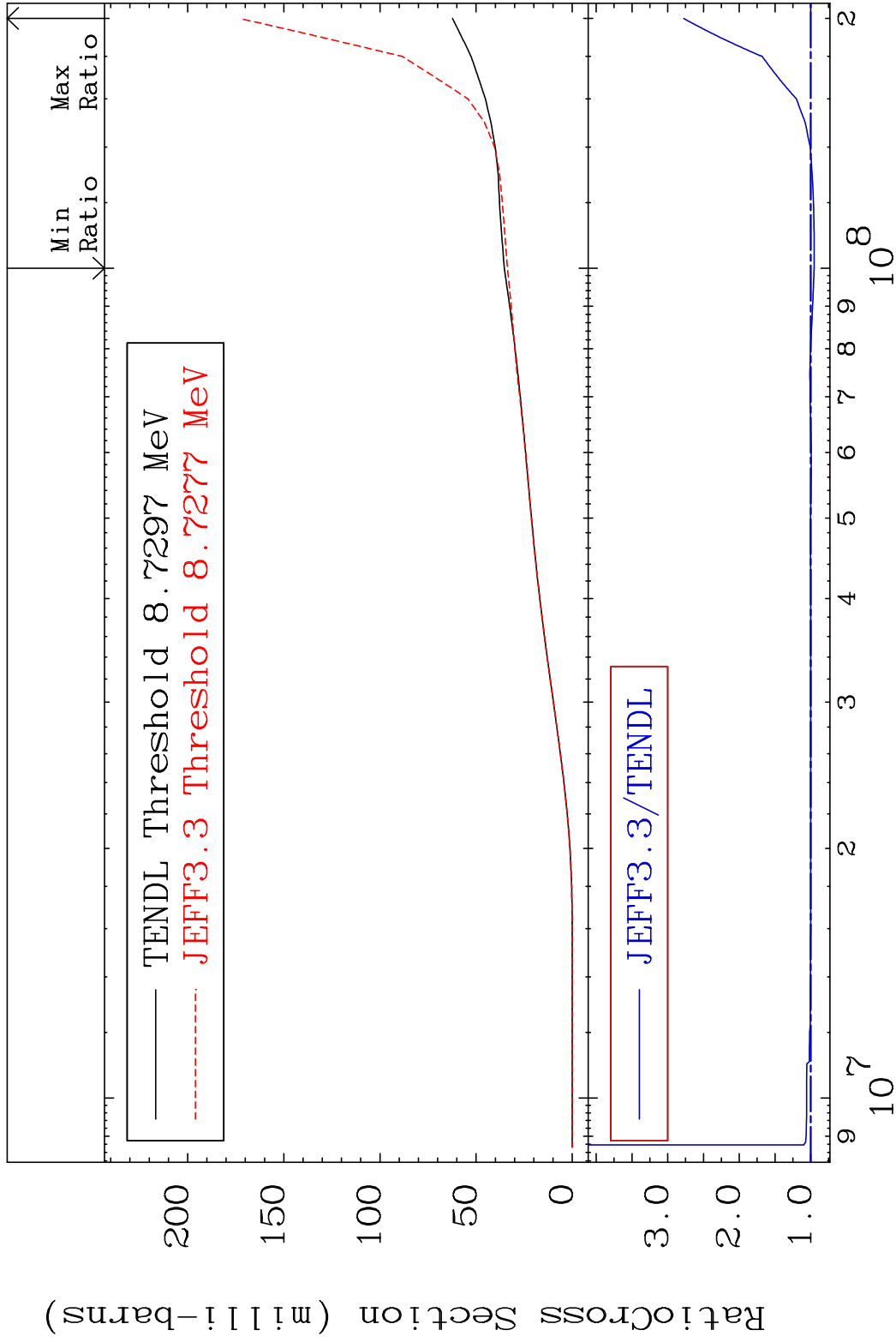
54-Xe-126

MAT 5431

Tritium Production

54-Xe-126

Cross Section -4.654 To 177.7 %



60

Incident Energy (eV)

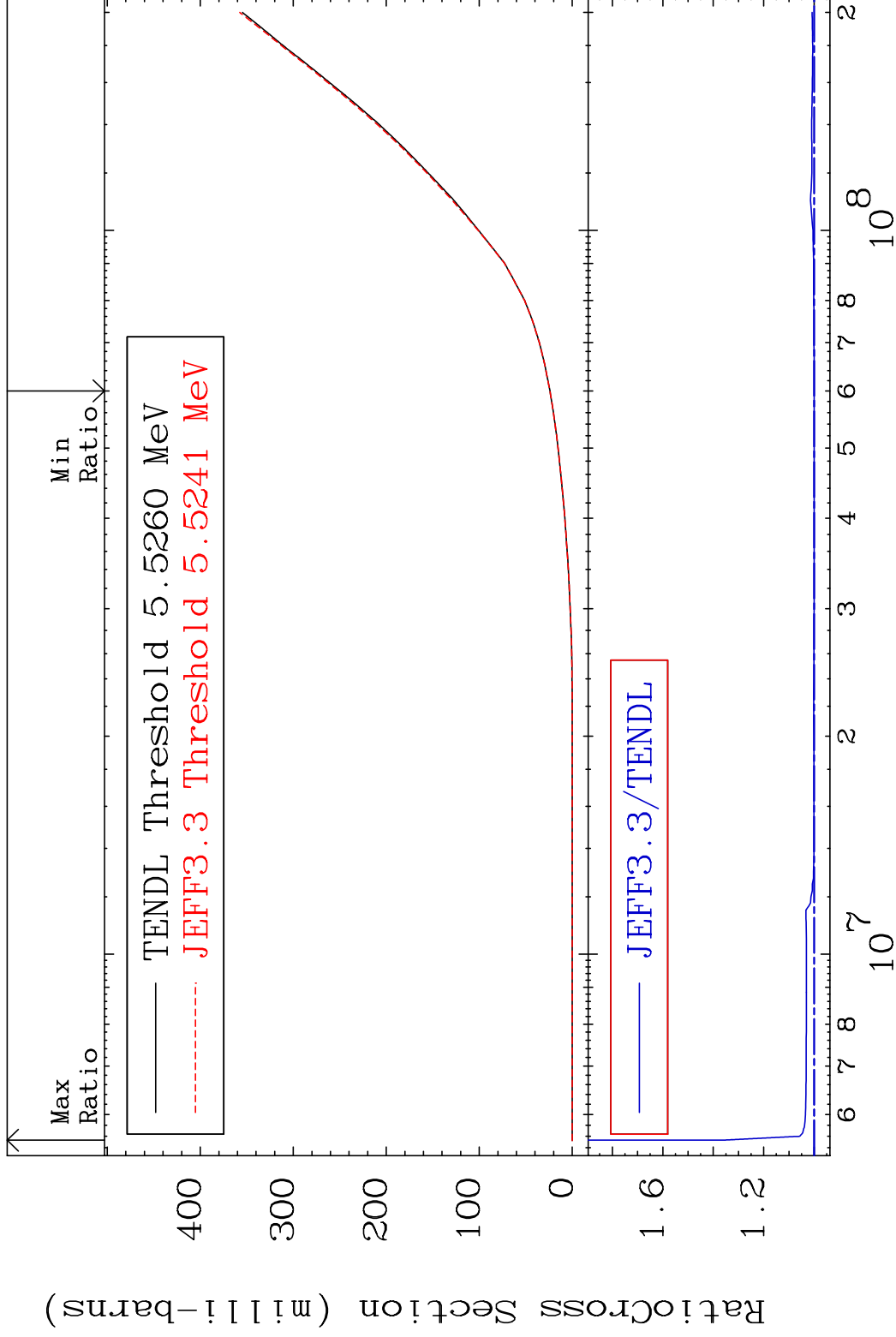
54-Xe-126

MAT 5431

He-3 Production

54-Xe-126

Cross Section 0.025 To 51.73 %



61

Incident Energy (eV)

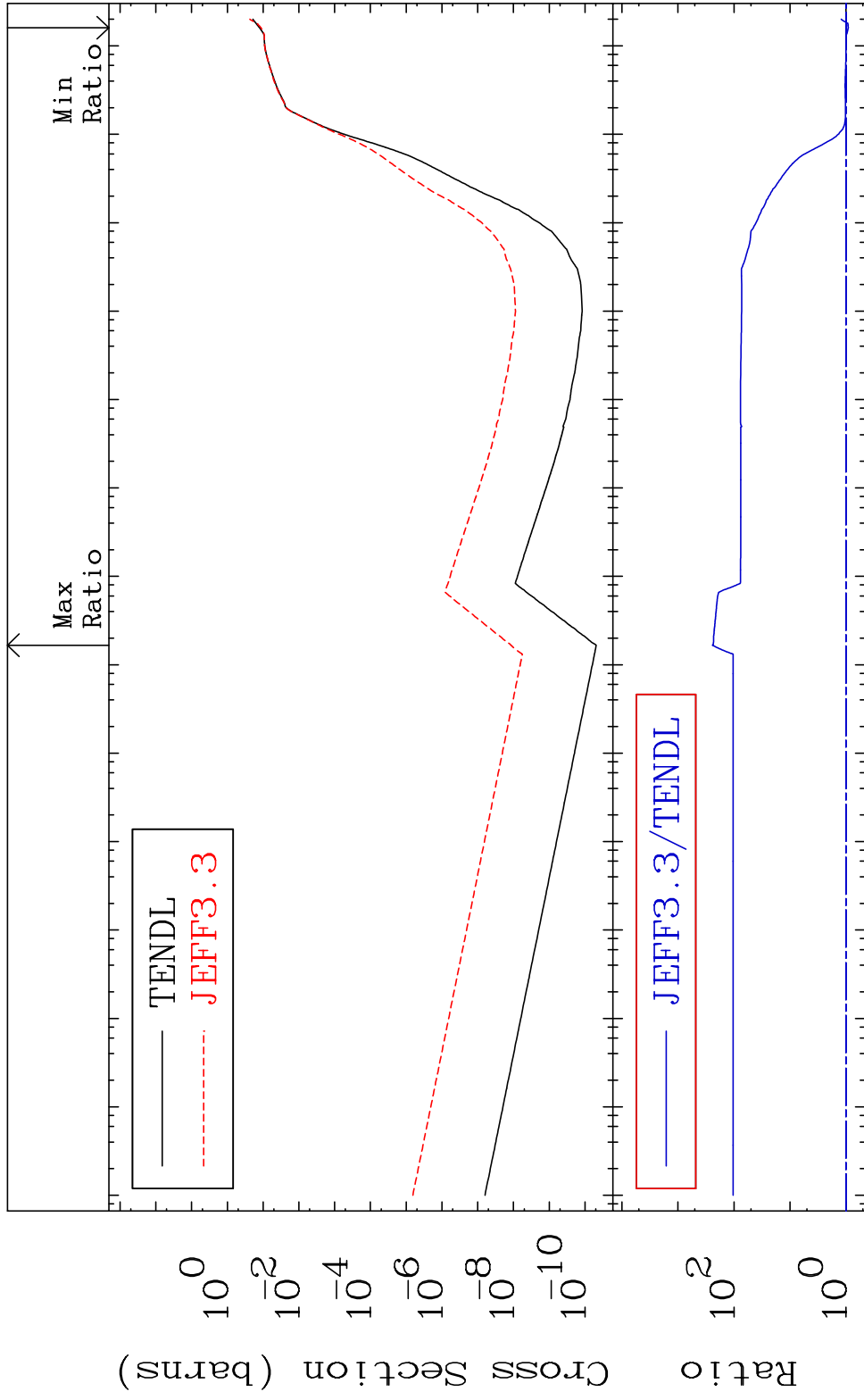
54-Xe-126

MAT 5431

He-4 Production

54-Xe-126

Cross Section -8.777 To 9999. %



62

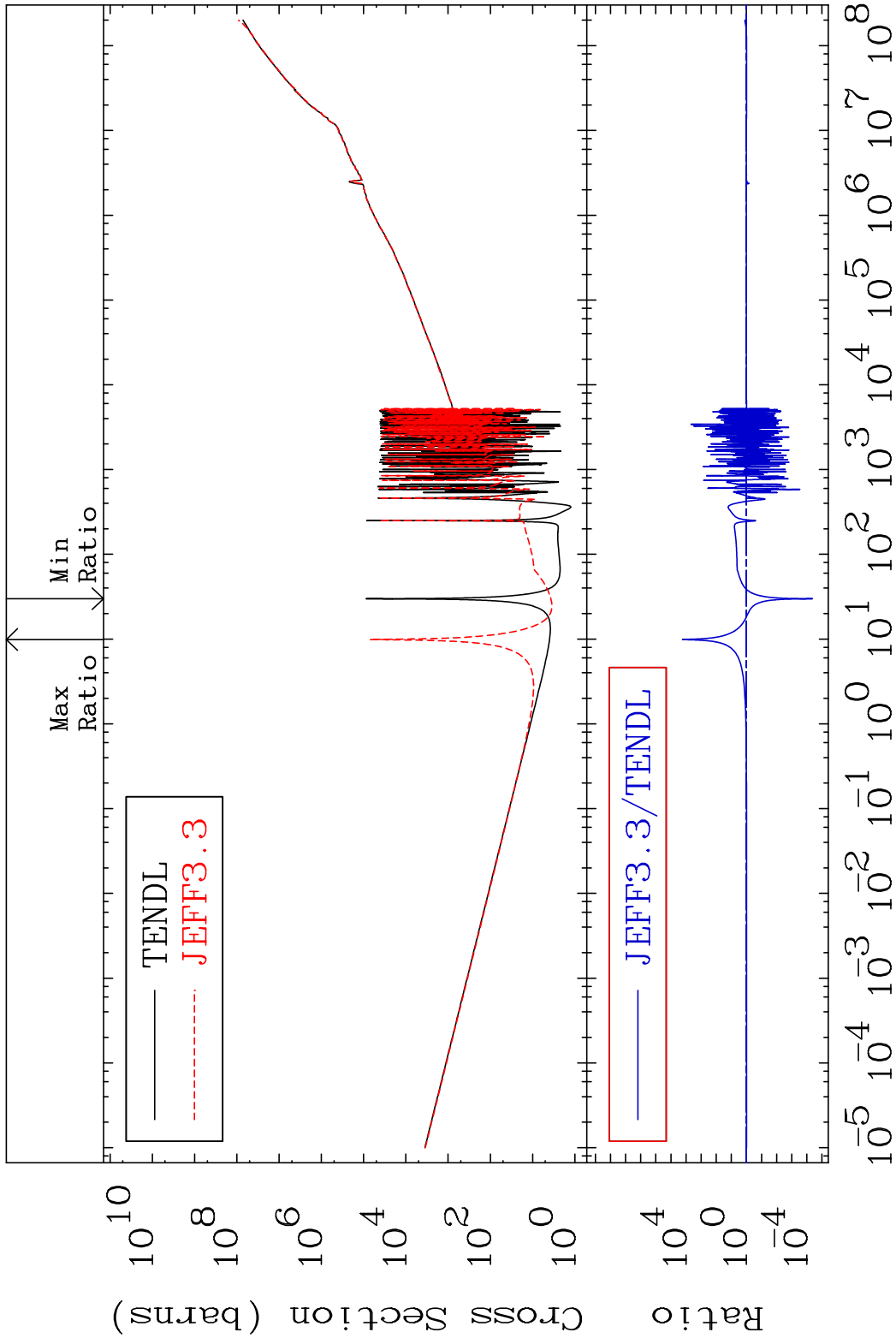
Incident Energy (eV)

54-Xe-126

MAT 5431

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

Cross Section -100.0 To 9999. %



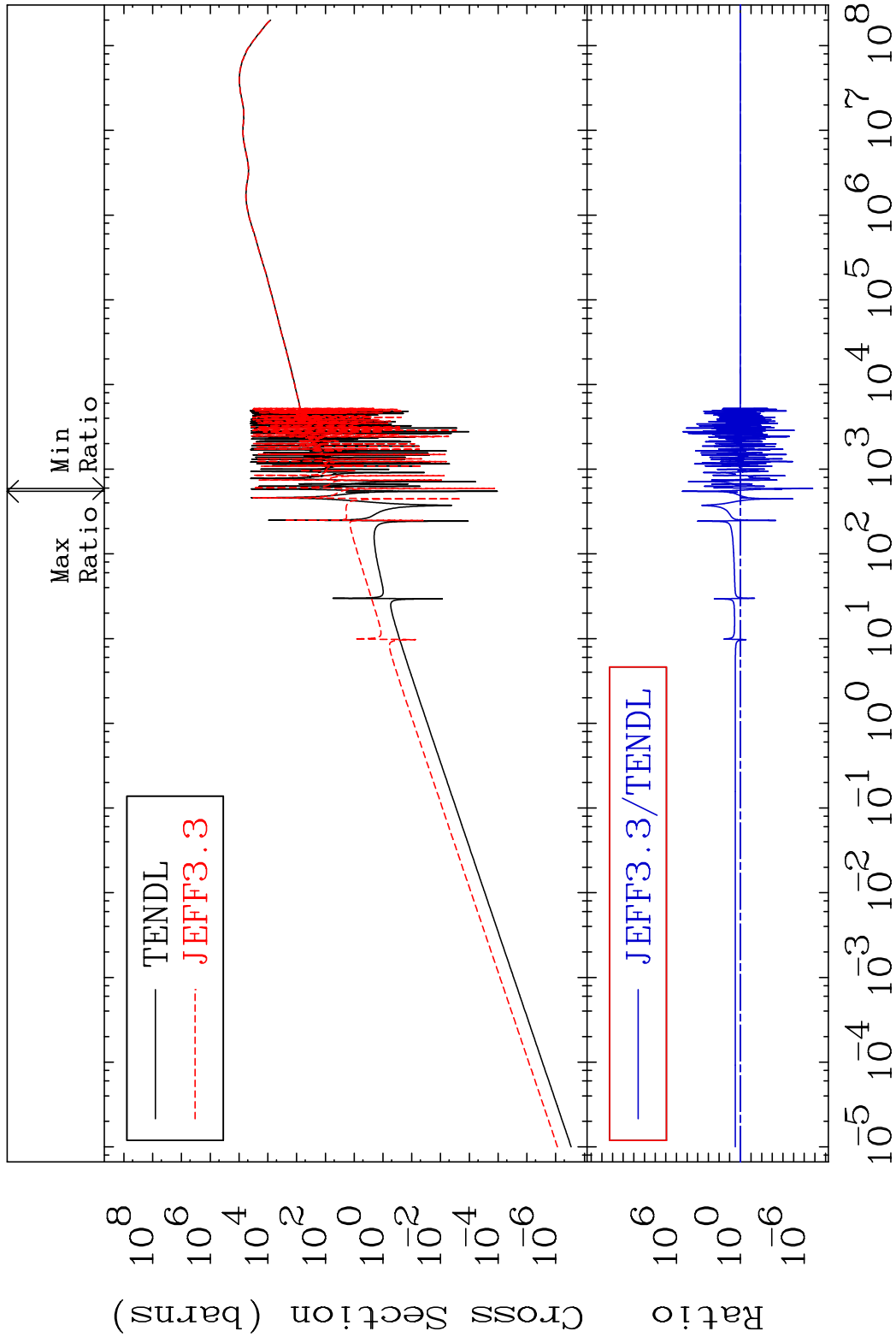
63

Incident Energy (eV)

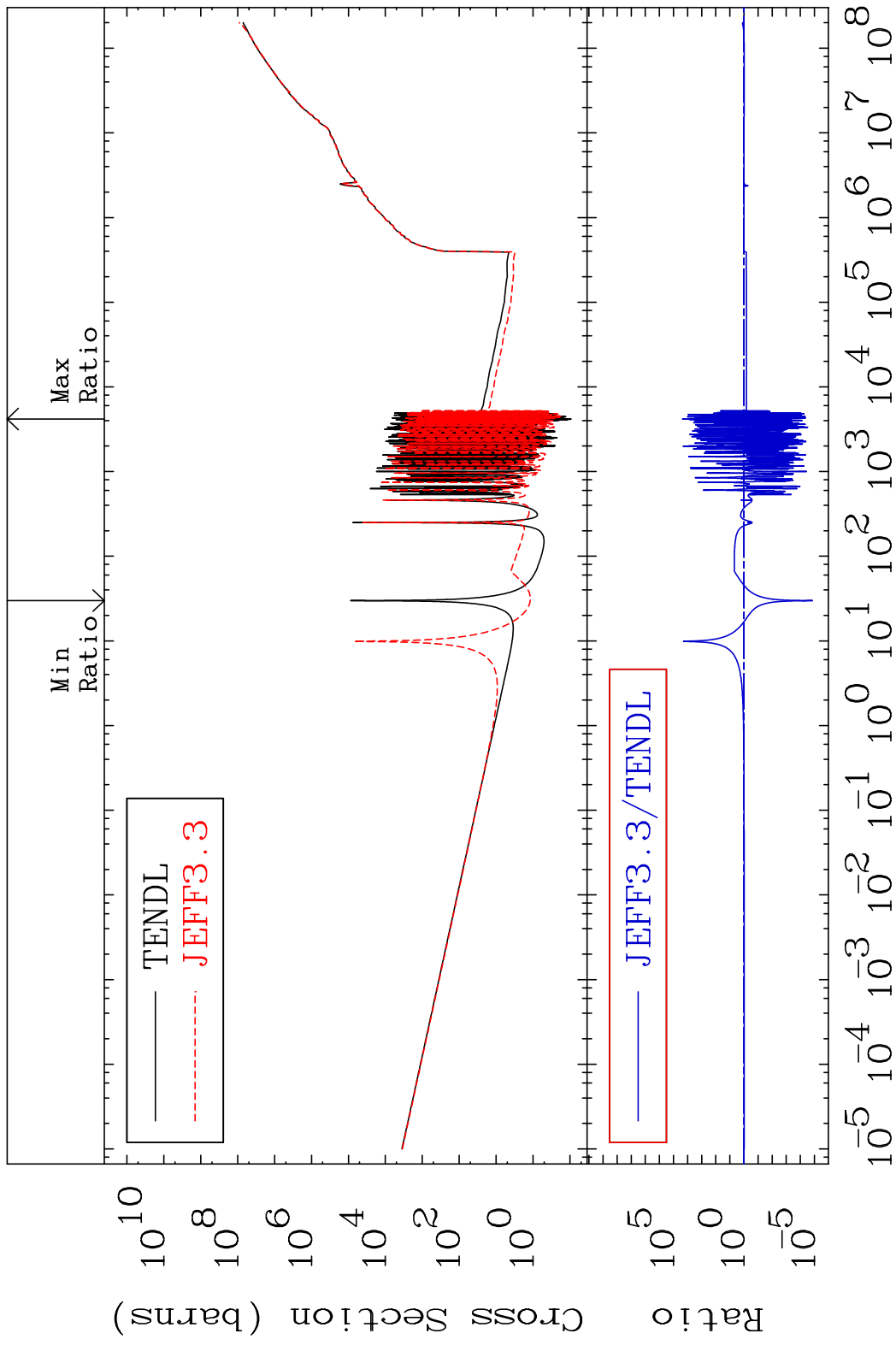
54-Xe-126

MAT 5431

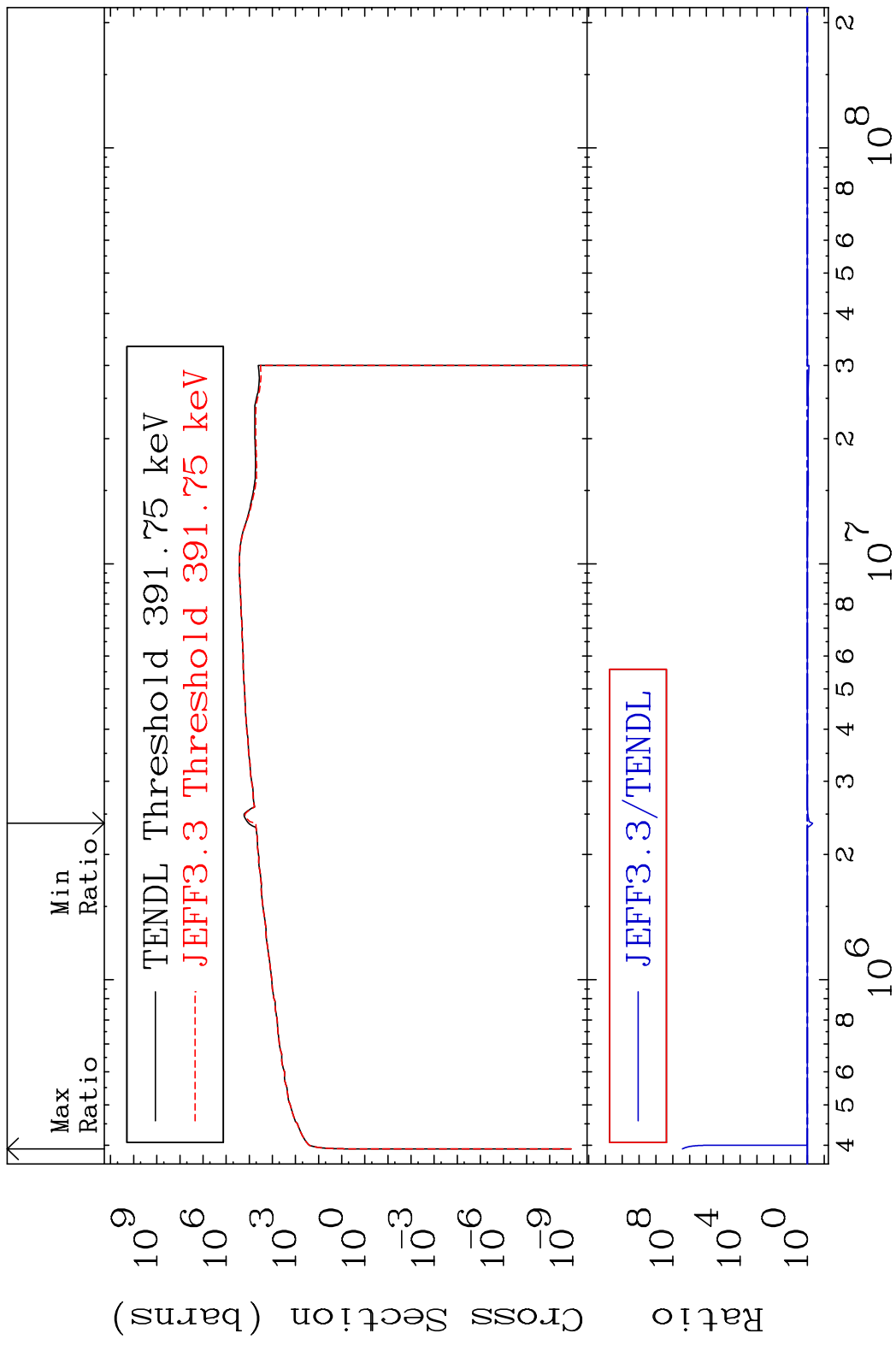
Kerma elastic
Cross Section -100.0 To 9999. %
54-Xe-126



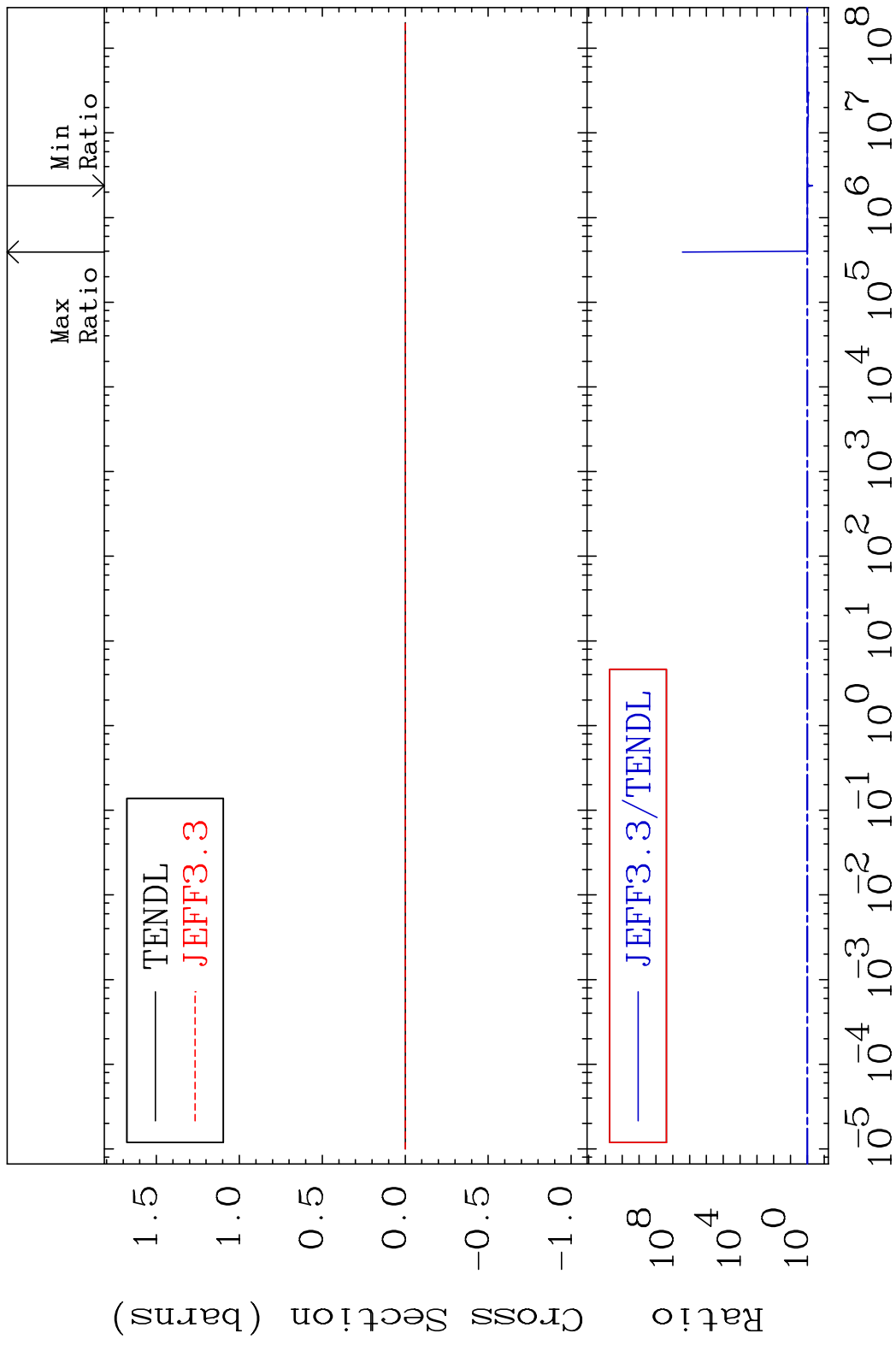
MAT 5431 Kerma non-elastic (all but mt2) 54-Xe-126
 Cross Section -100.0 To 9999. %



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



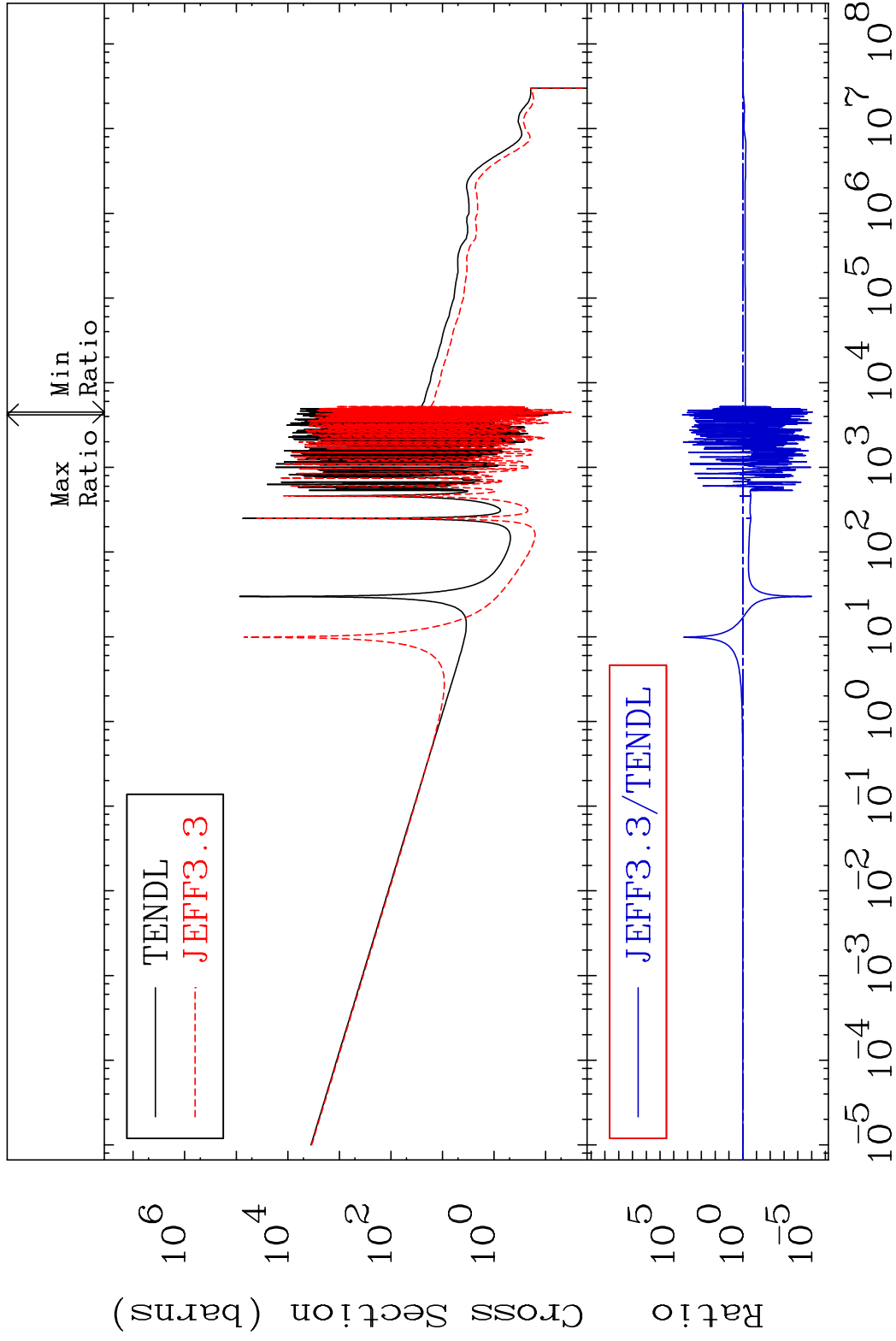
MAT 5431 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-126
 Cross Section -51.20 To 9999. %



MAT 5431

Kerma capture (mt102) 54-Xe-126

Cross Section -100.0 To 9999. %

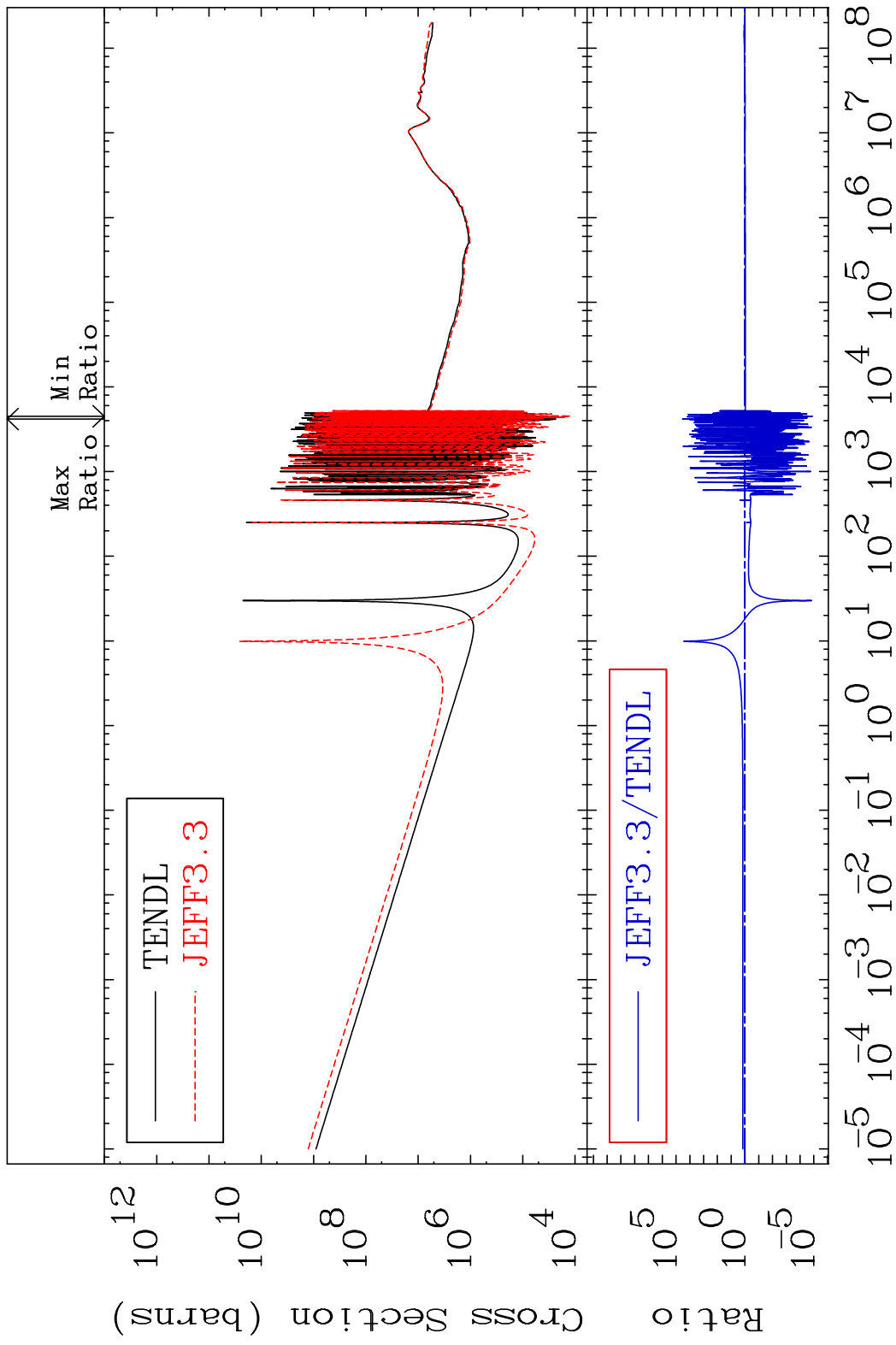


68

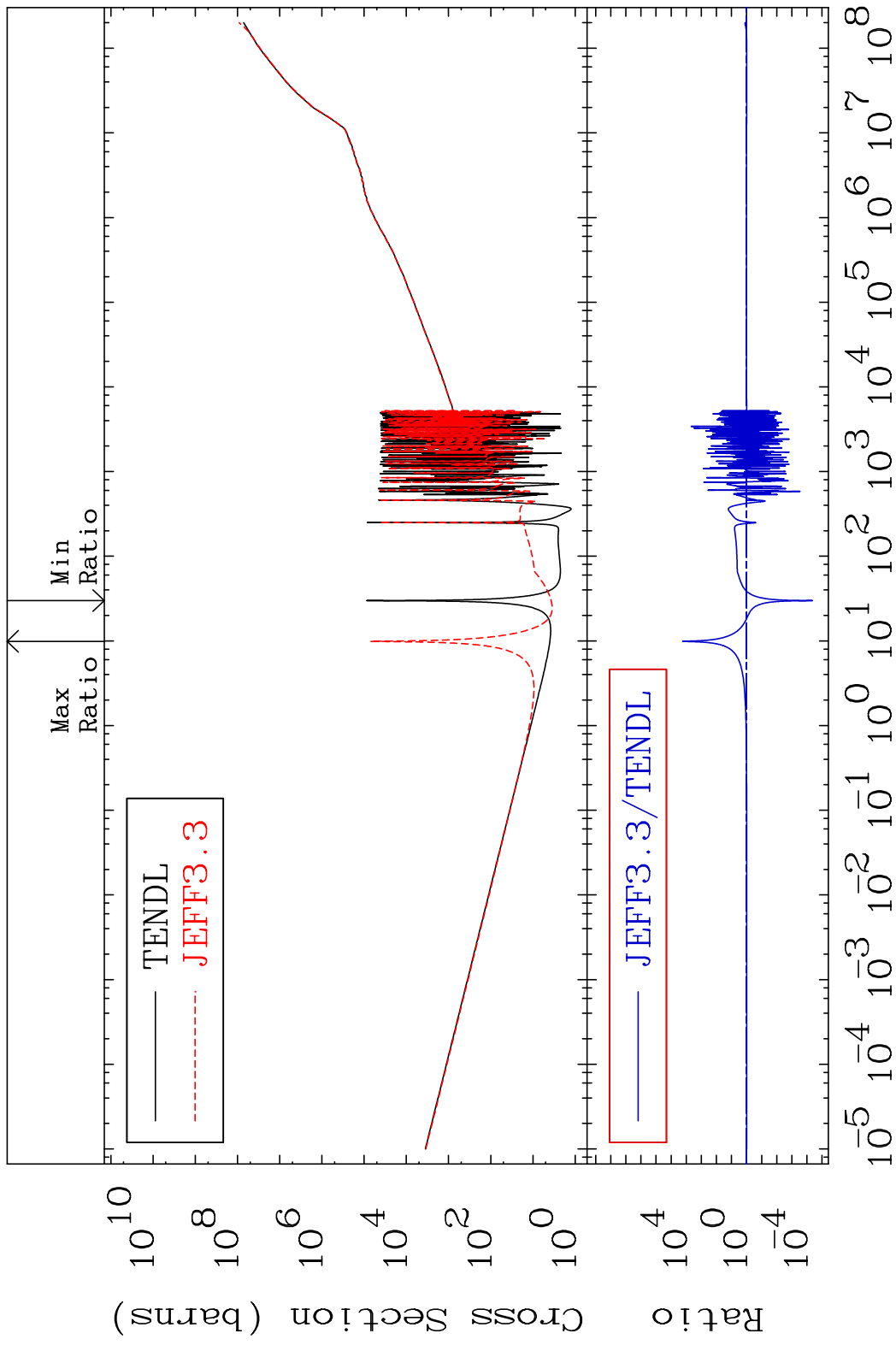
Incident Energy (eV)

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. %

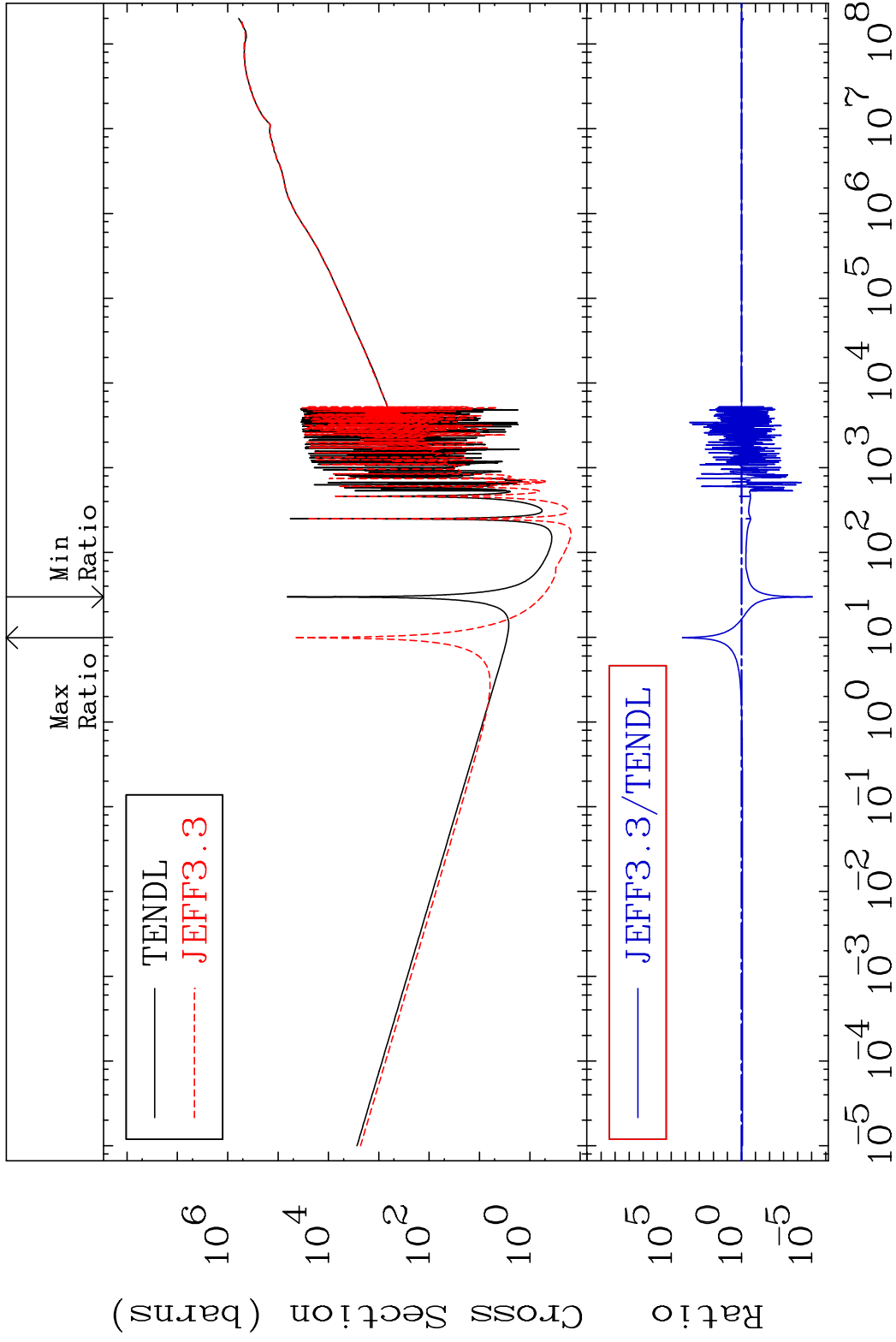


MAT 5431

Dpa total (eV-barns)

54-Xe-126

Cross Section -100.0 To 9999. %



71

Incident Energy (eV)

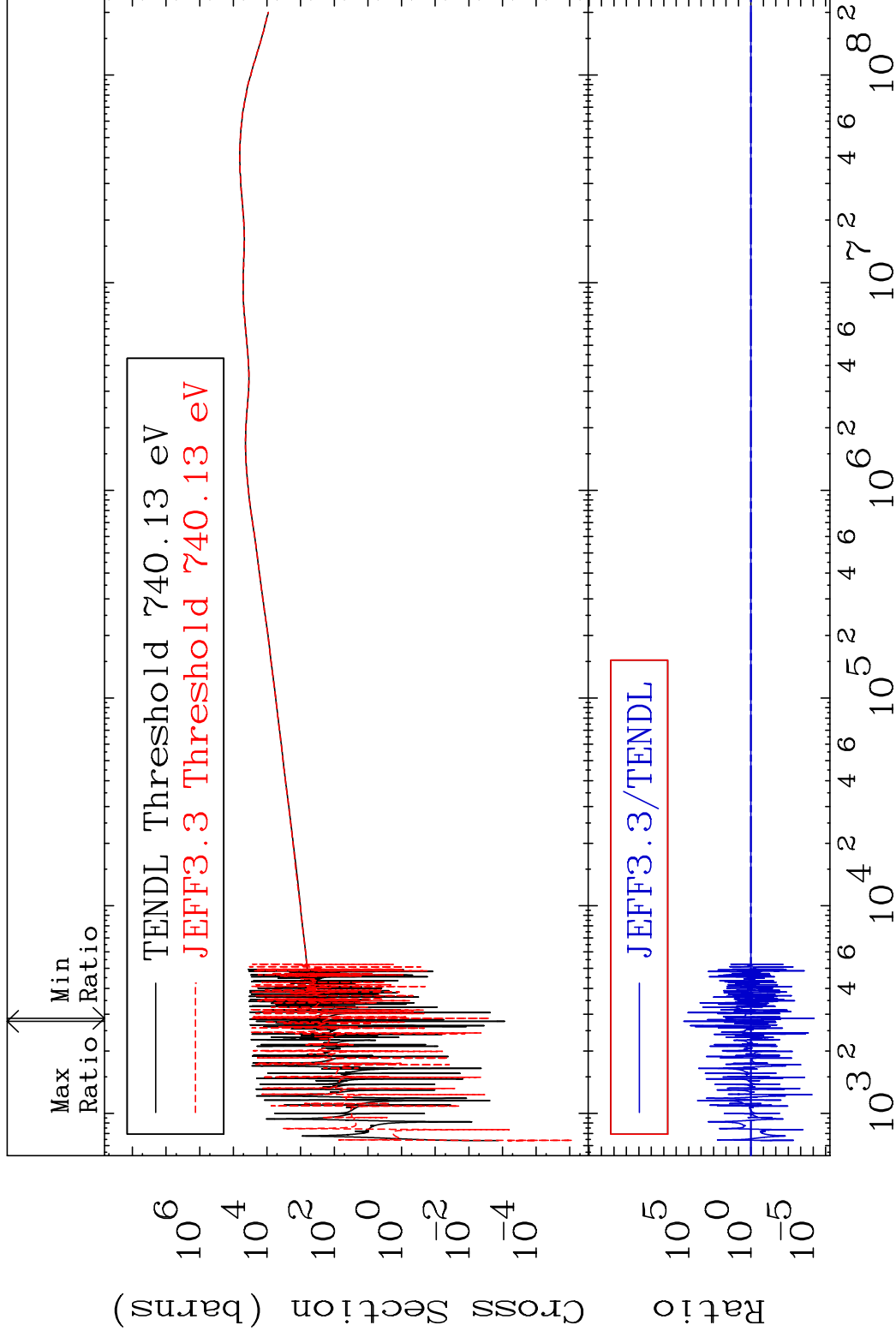
54-Xe-126

MAT 5431

Dpa elastic (mt2)

54-Xe-126

Cross Section -100.0 To 9999. %



72

Incident Energy (eV)

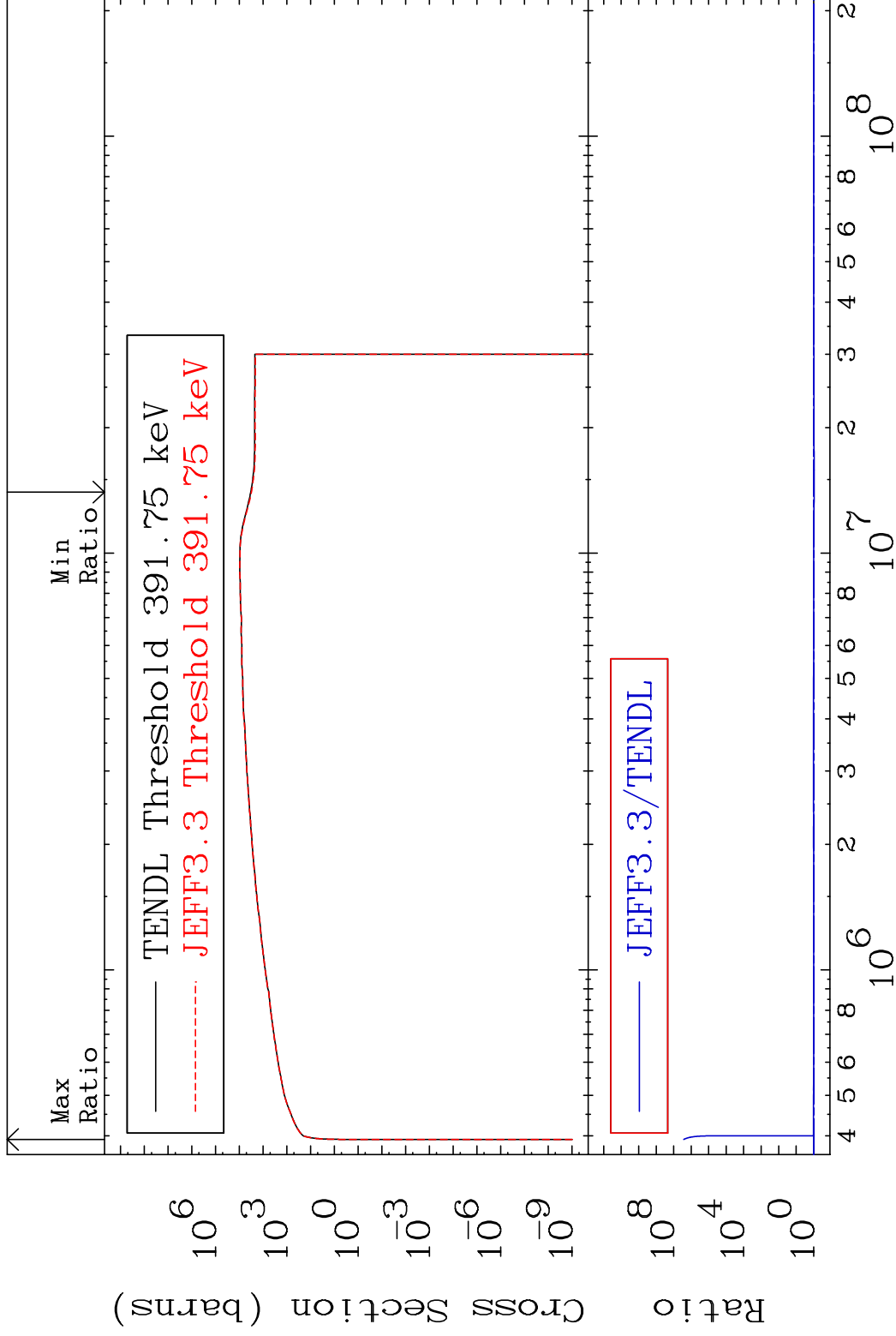
54-Xe-126

MAT 5431

Dpa inelastic (mt51-91)

54-Xe-126

Cross Section -6.133 To 9999. %

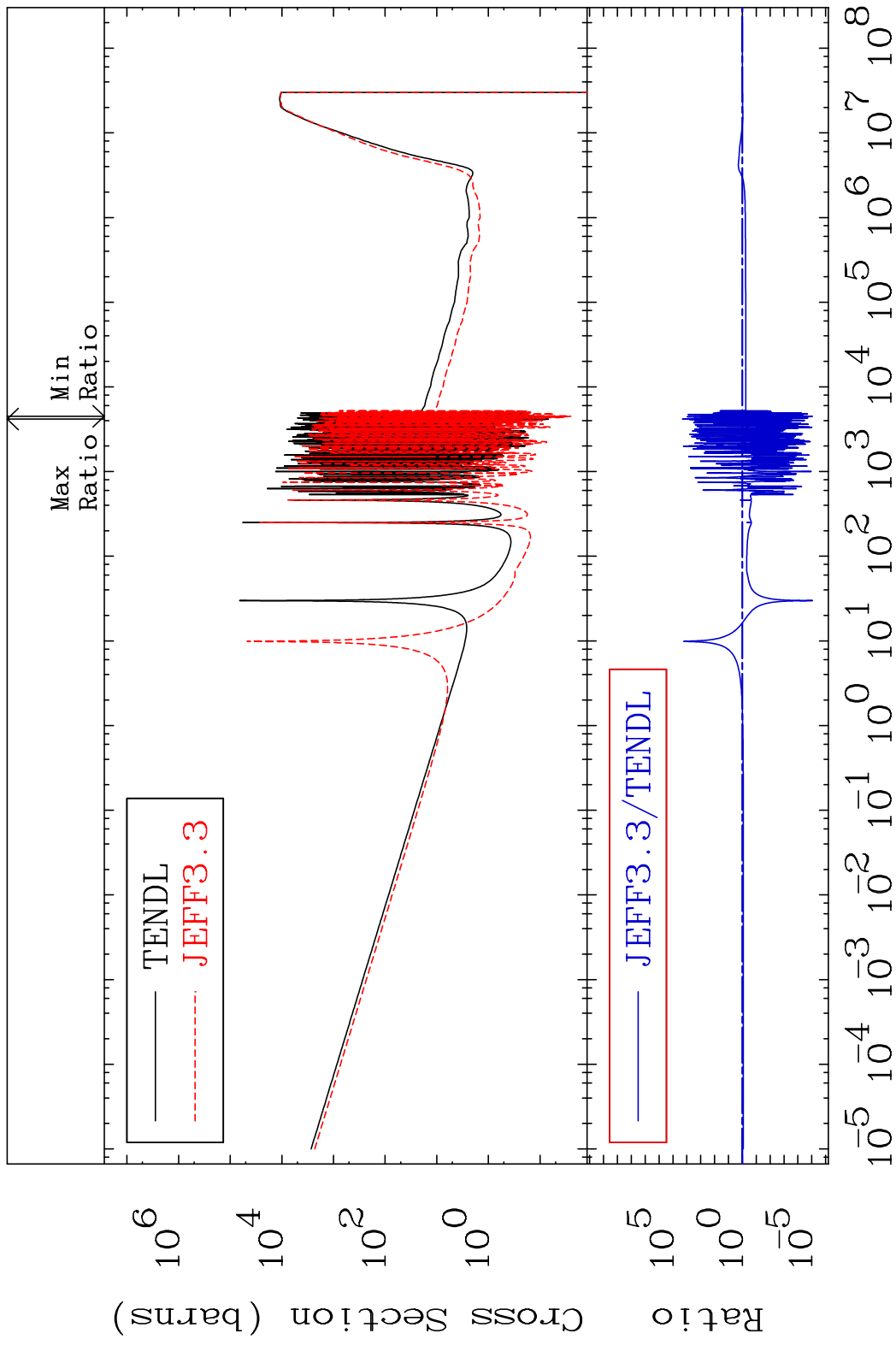


73

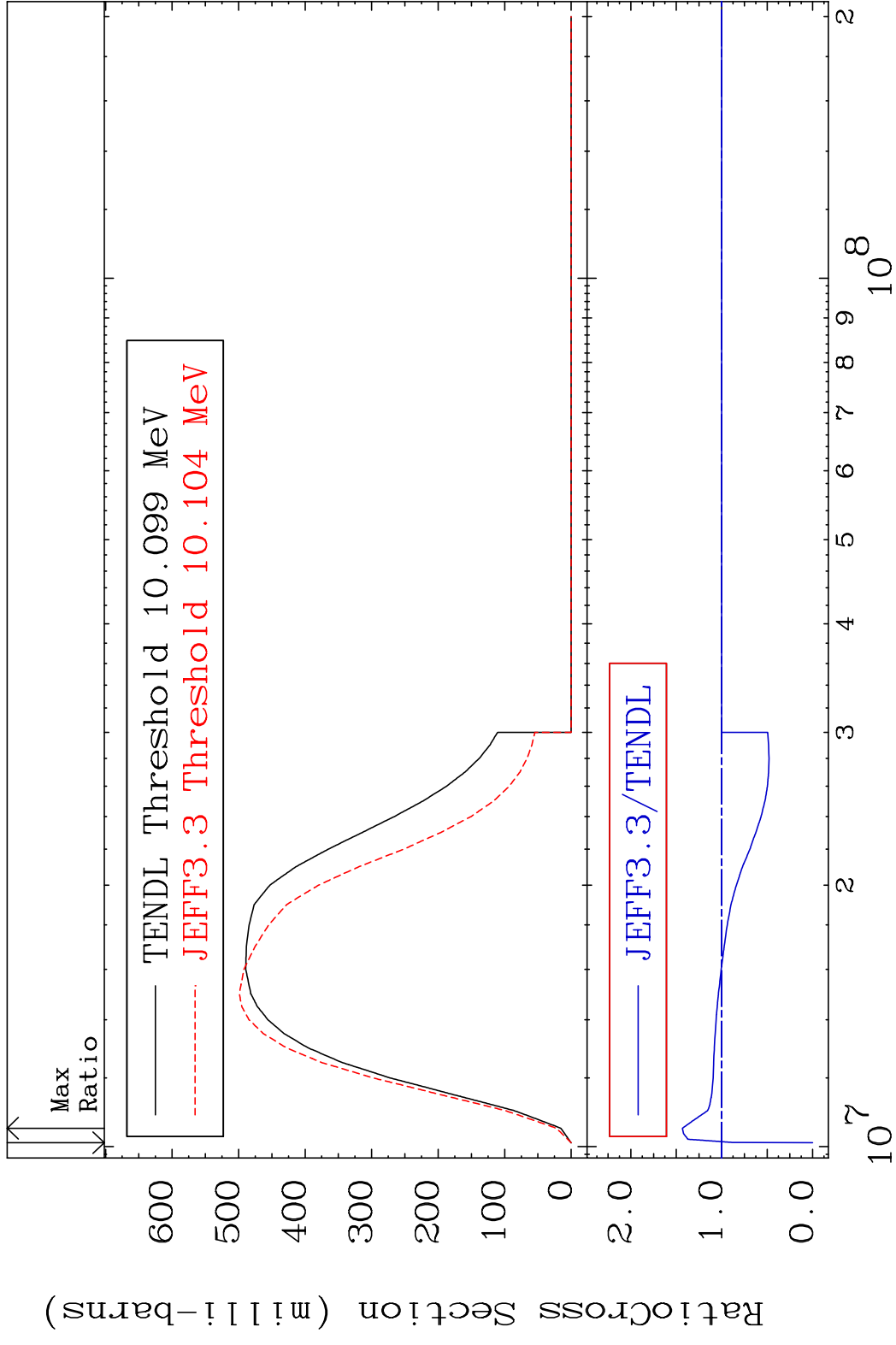
Incident Energy (eV)

54-Xe-126

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

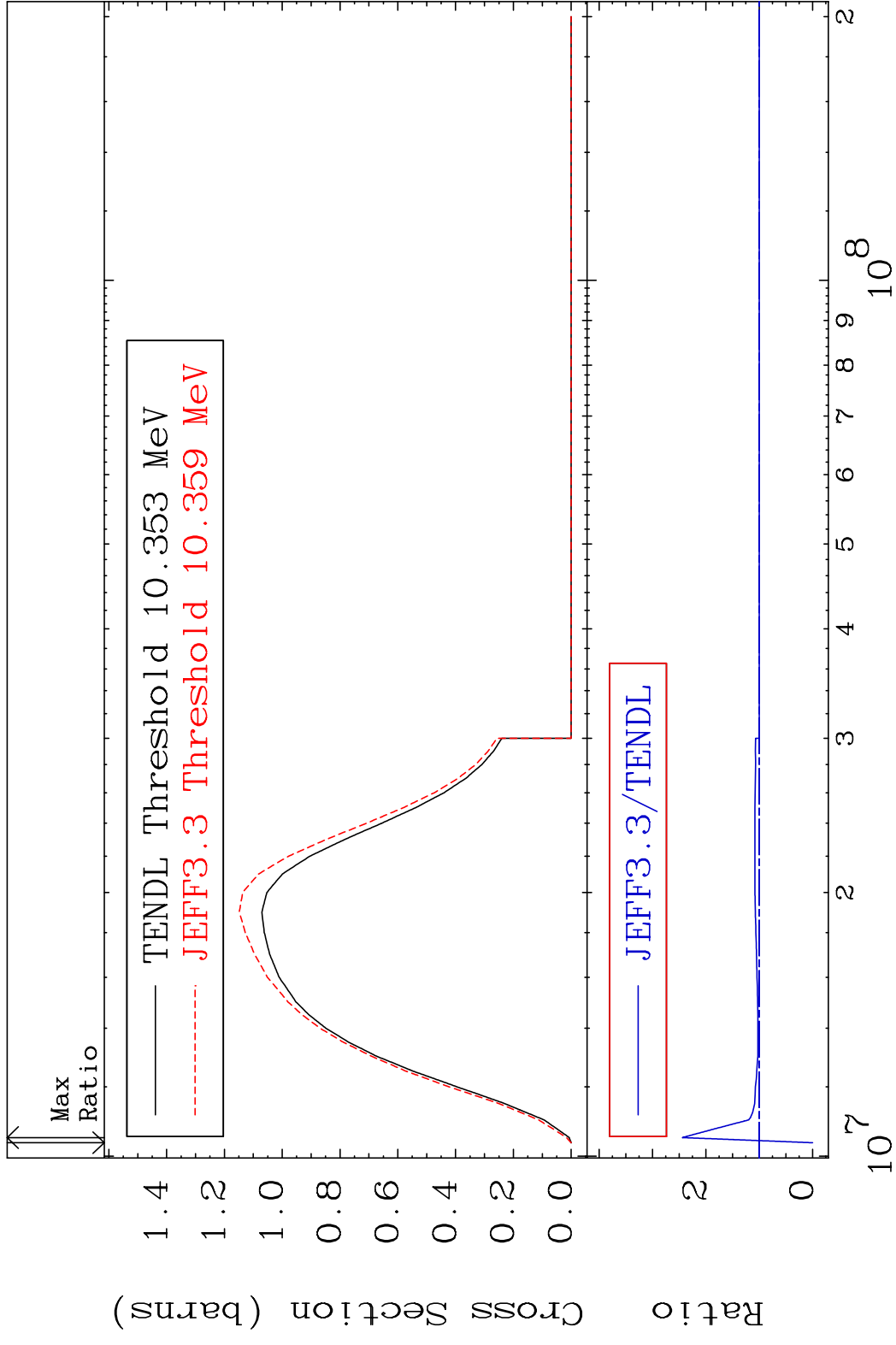


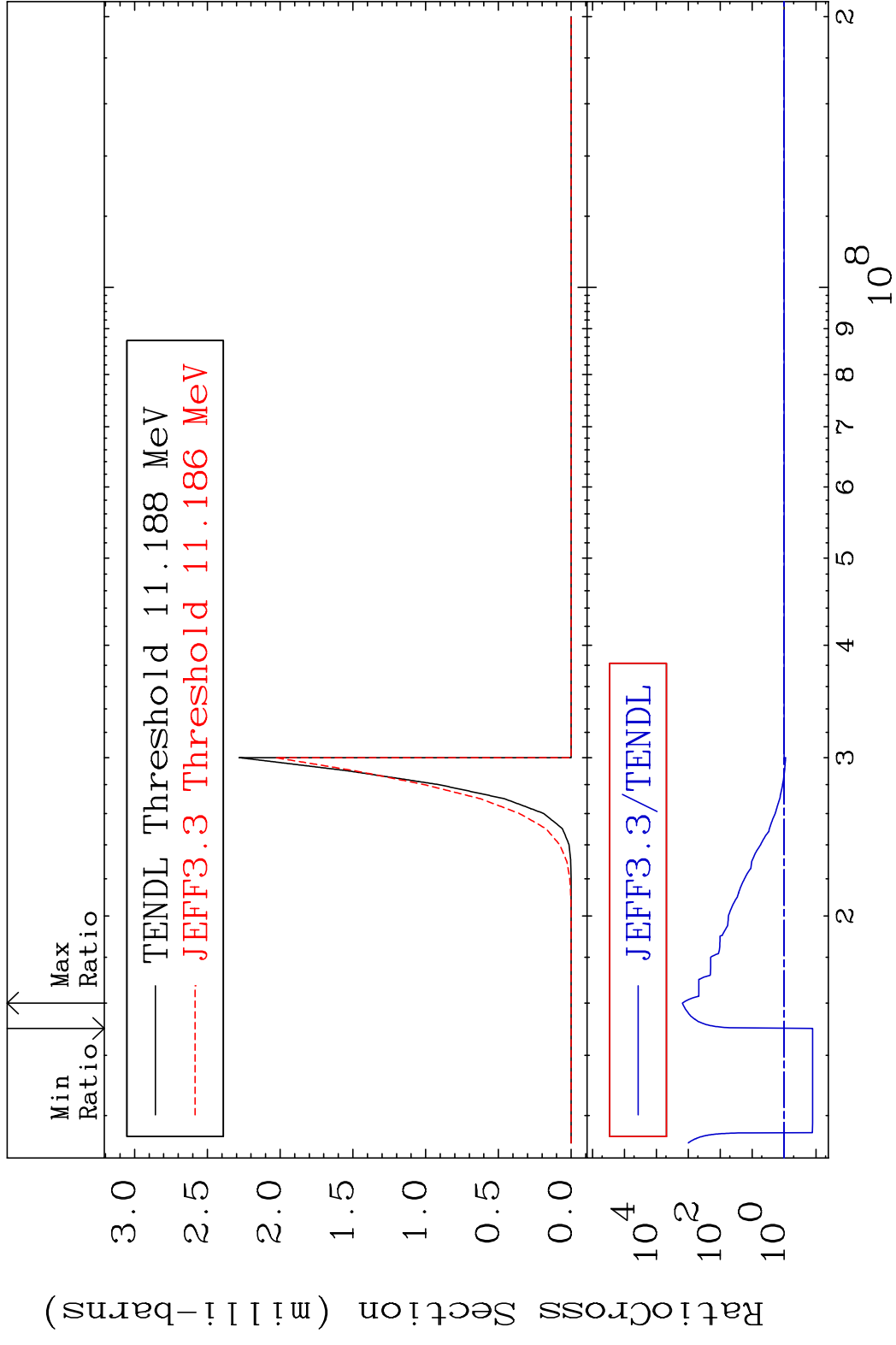
MAT 5431 (n,2n):54-Xe-125g 54-Xe-126
 Radionuclide Production Cross Section 43.32 %

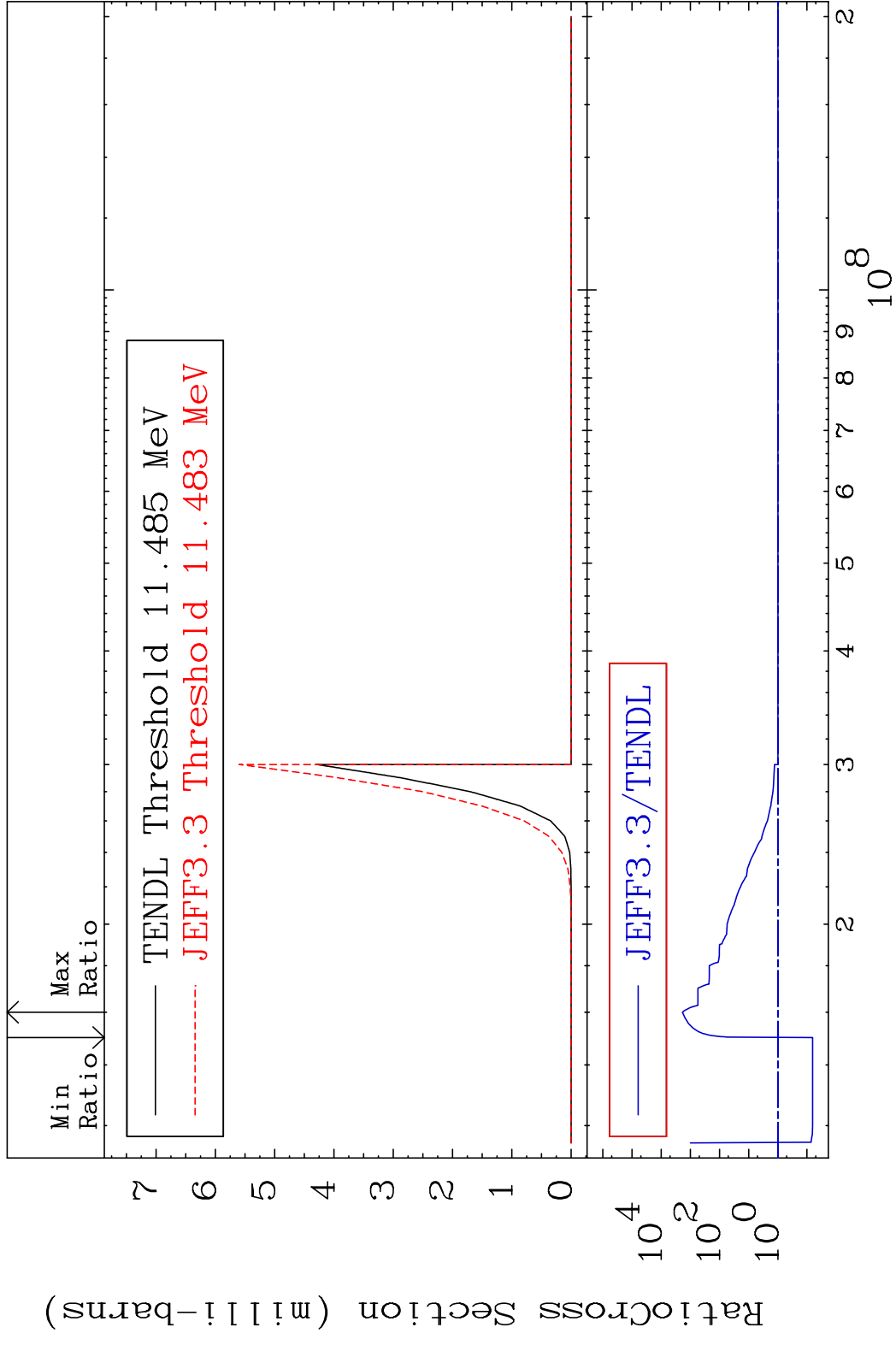


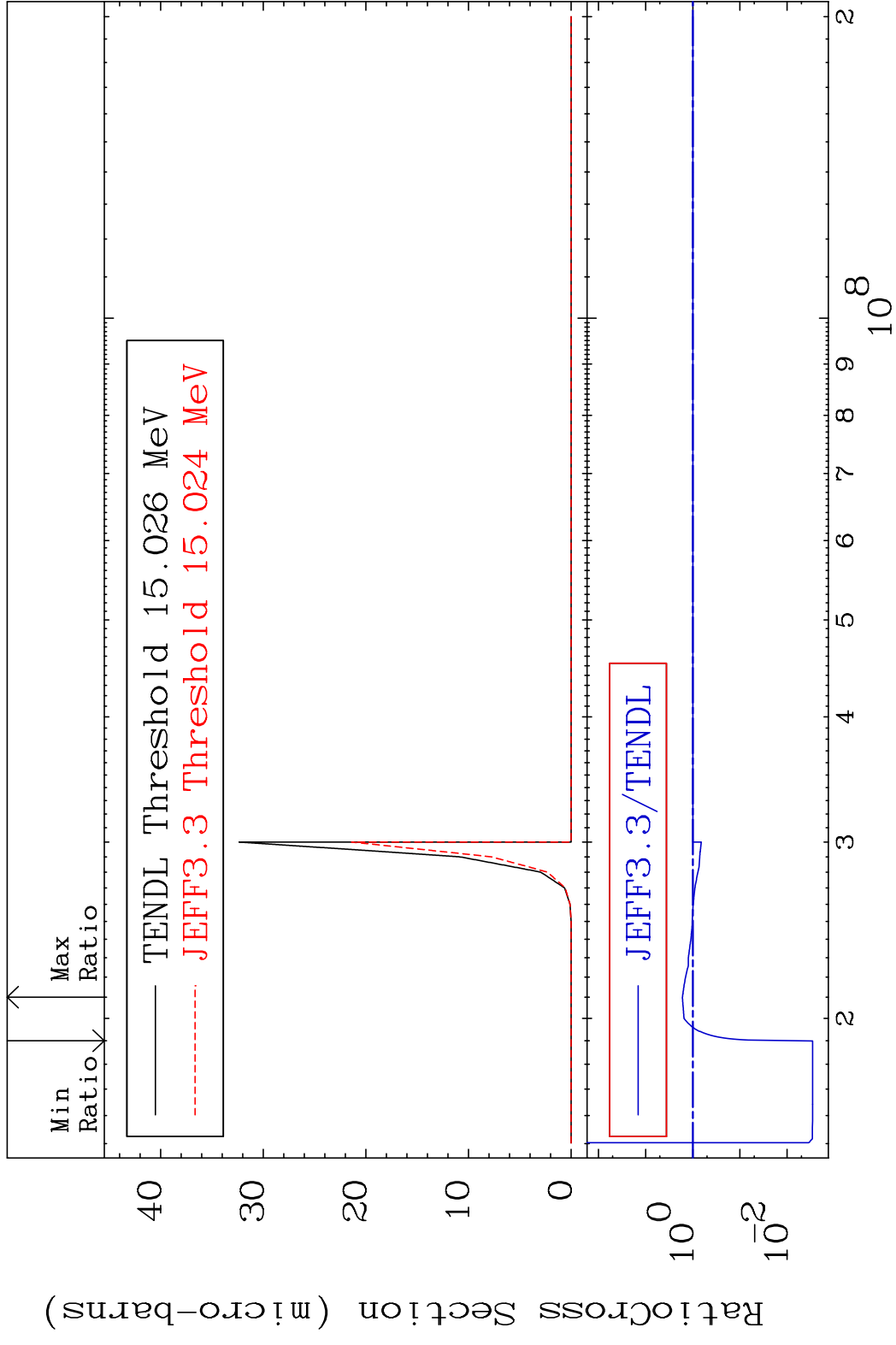
75 Incident Energy (eV) 54-Xe-126

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

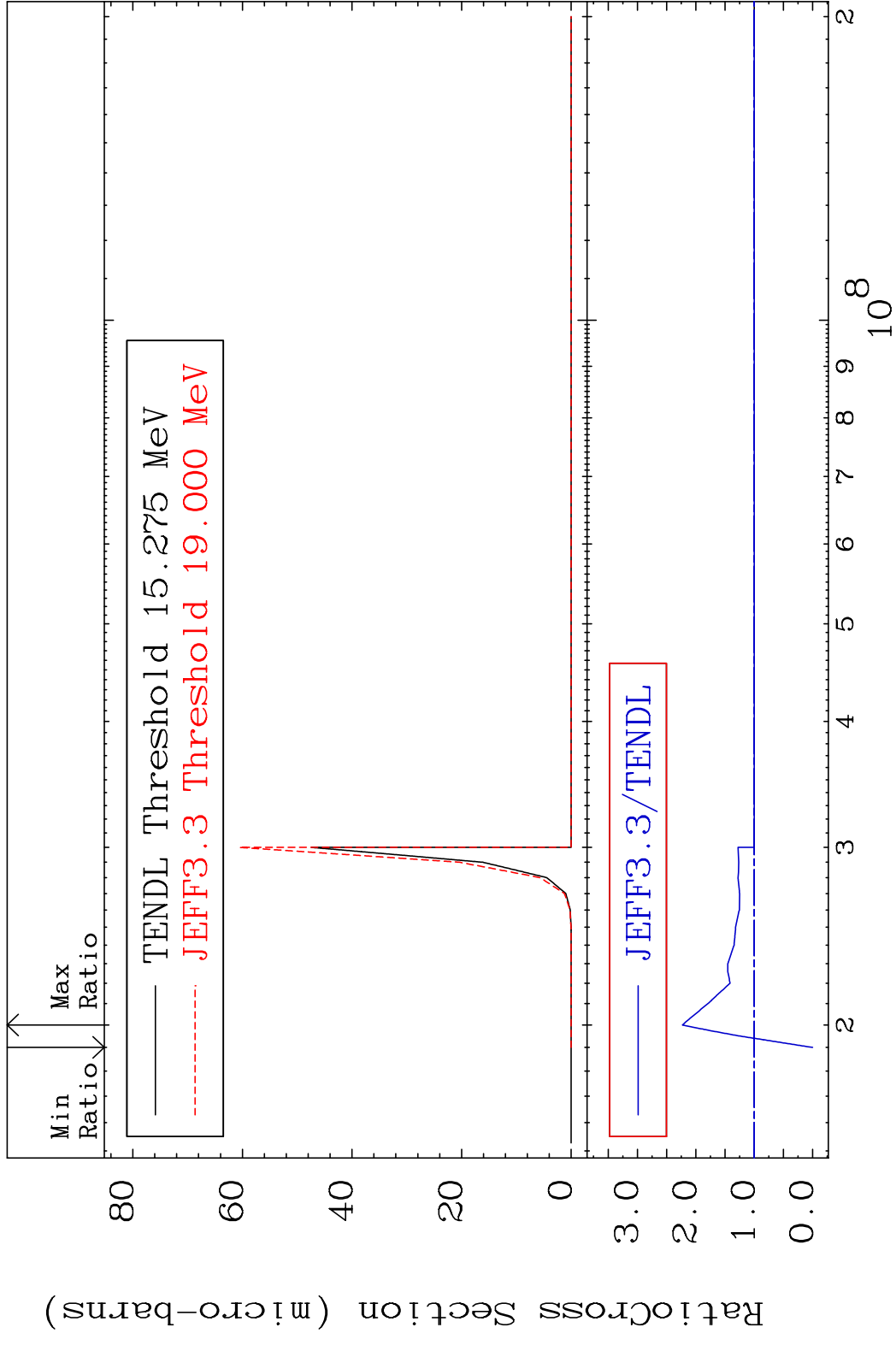




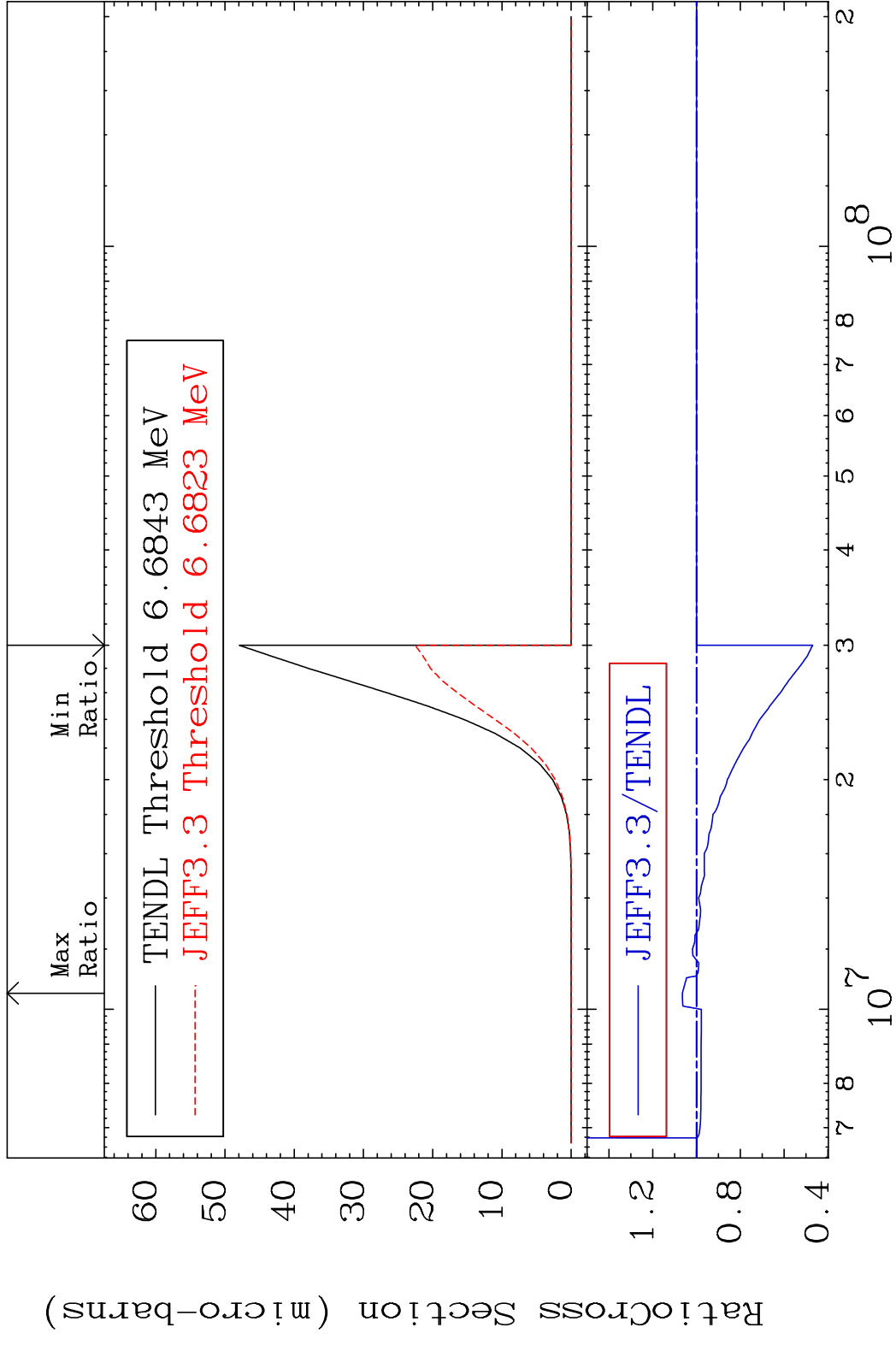


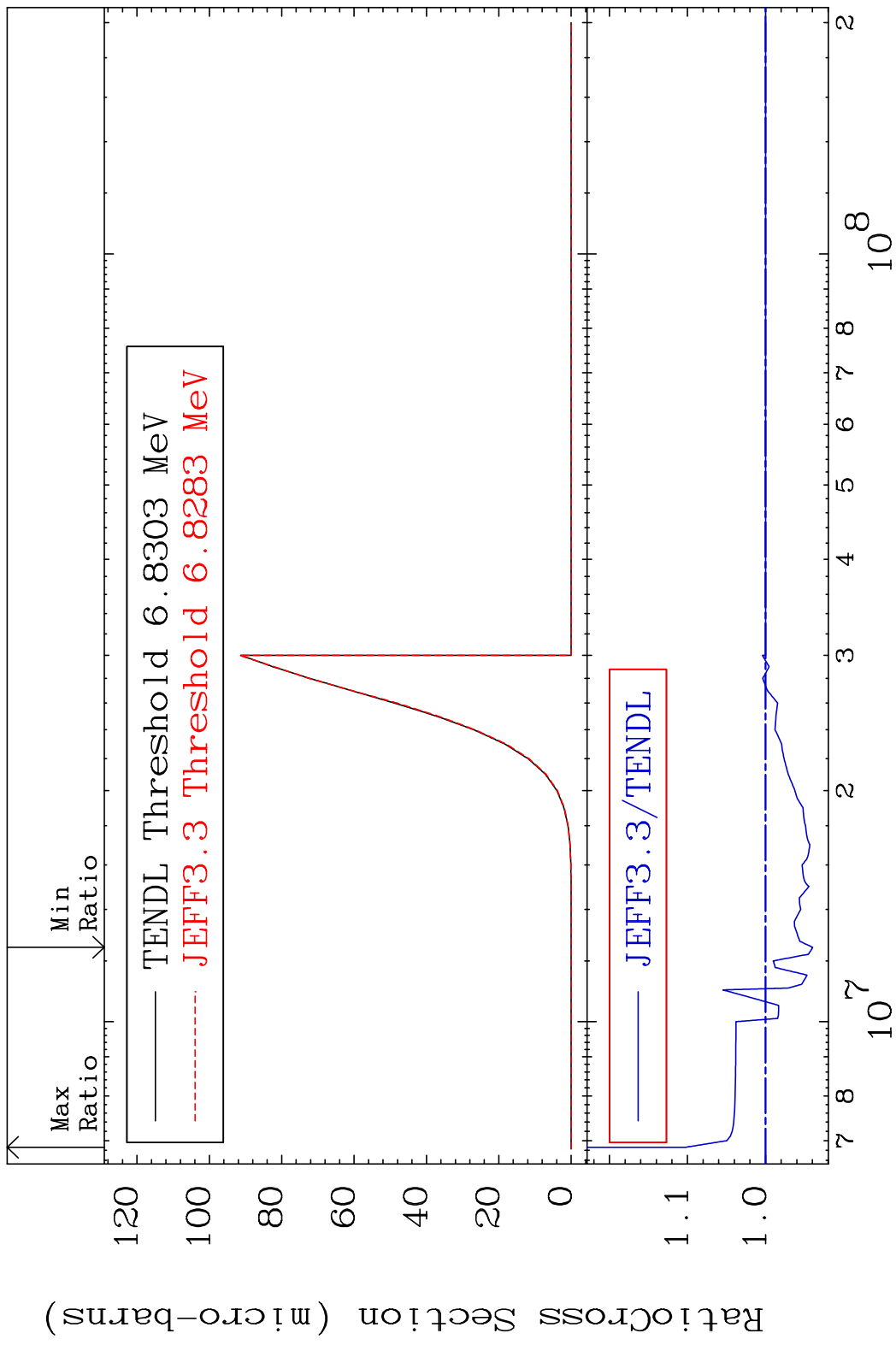


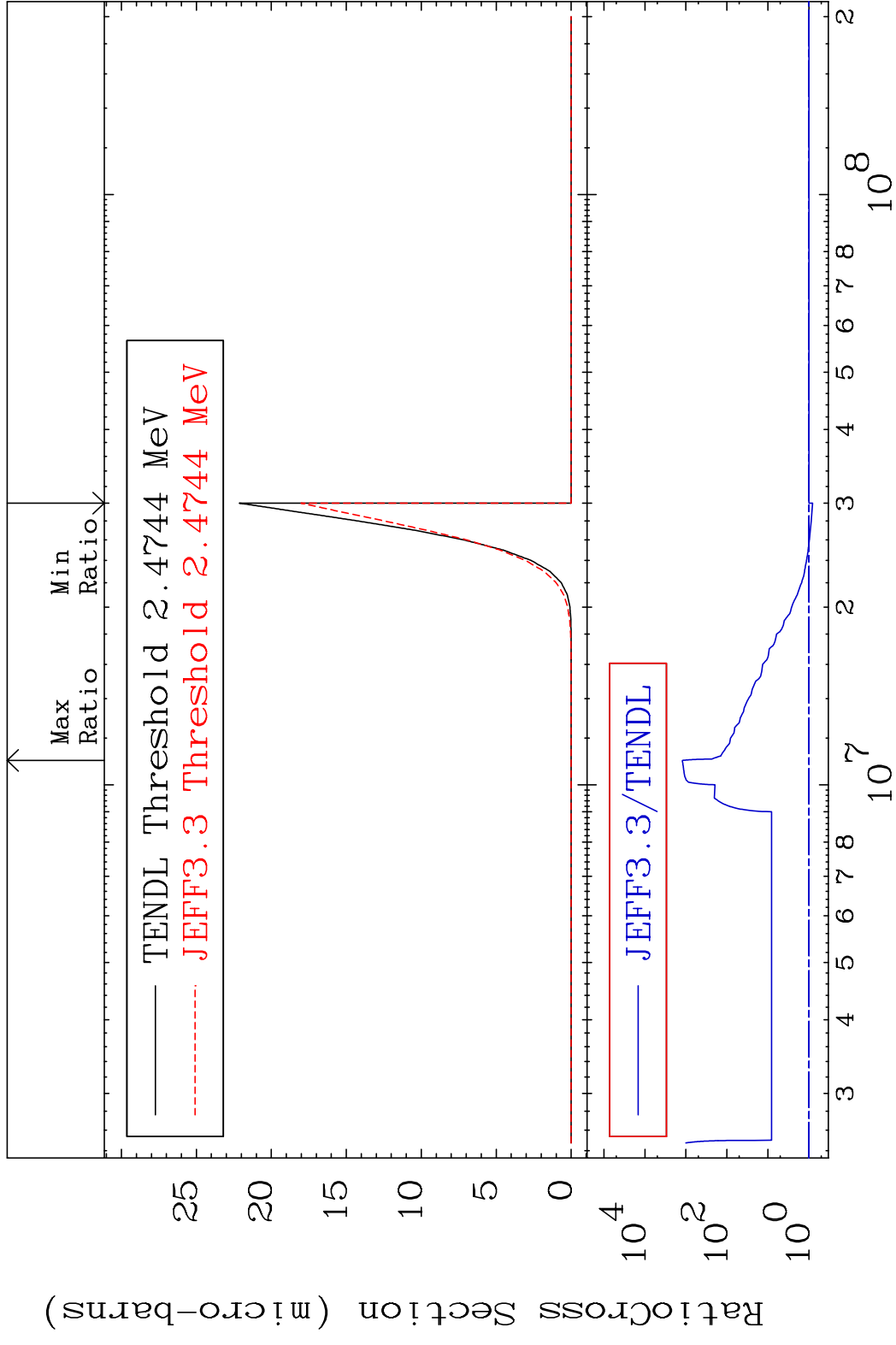
MAT 5431 (n, n') He-3:52-Te-123m2 54-Xe-126
 Radionuclide Production Cross Section 180.0 dth 123.0 %

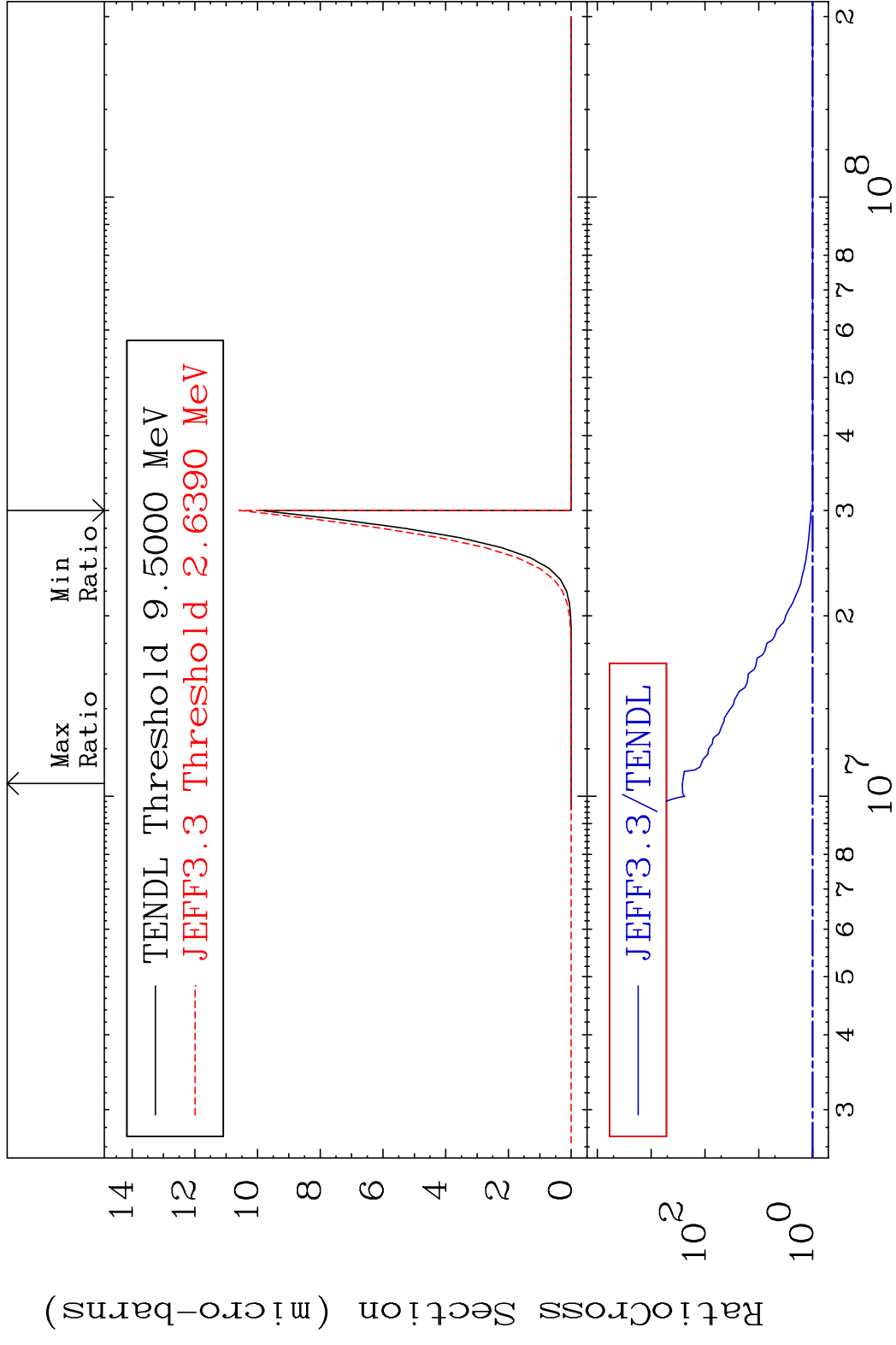


MAT 5431 (n,2p):52-Te-125g 54-Xe-126
 Radionuclide Production Cross Section 53e03d10 6.473 %









MAT 5431 (n, p) t:52-Te-123g 54-Xe-126
 Radionuclide Production Cross Section 52-Te-123g 108.4 %

