

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

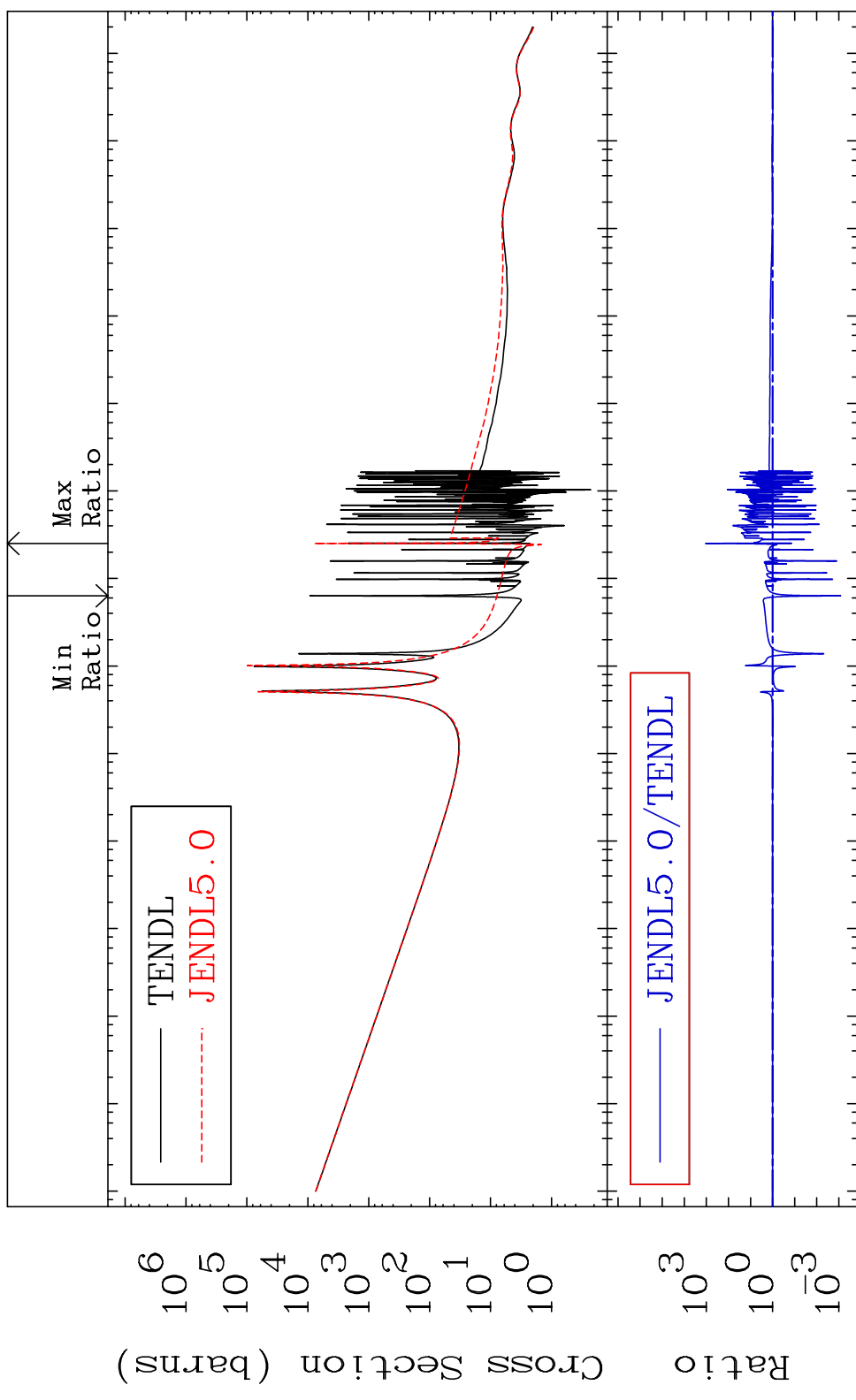
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5425

Total Cross Section
54-Xe-124
-99.92 To 9999. %



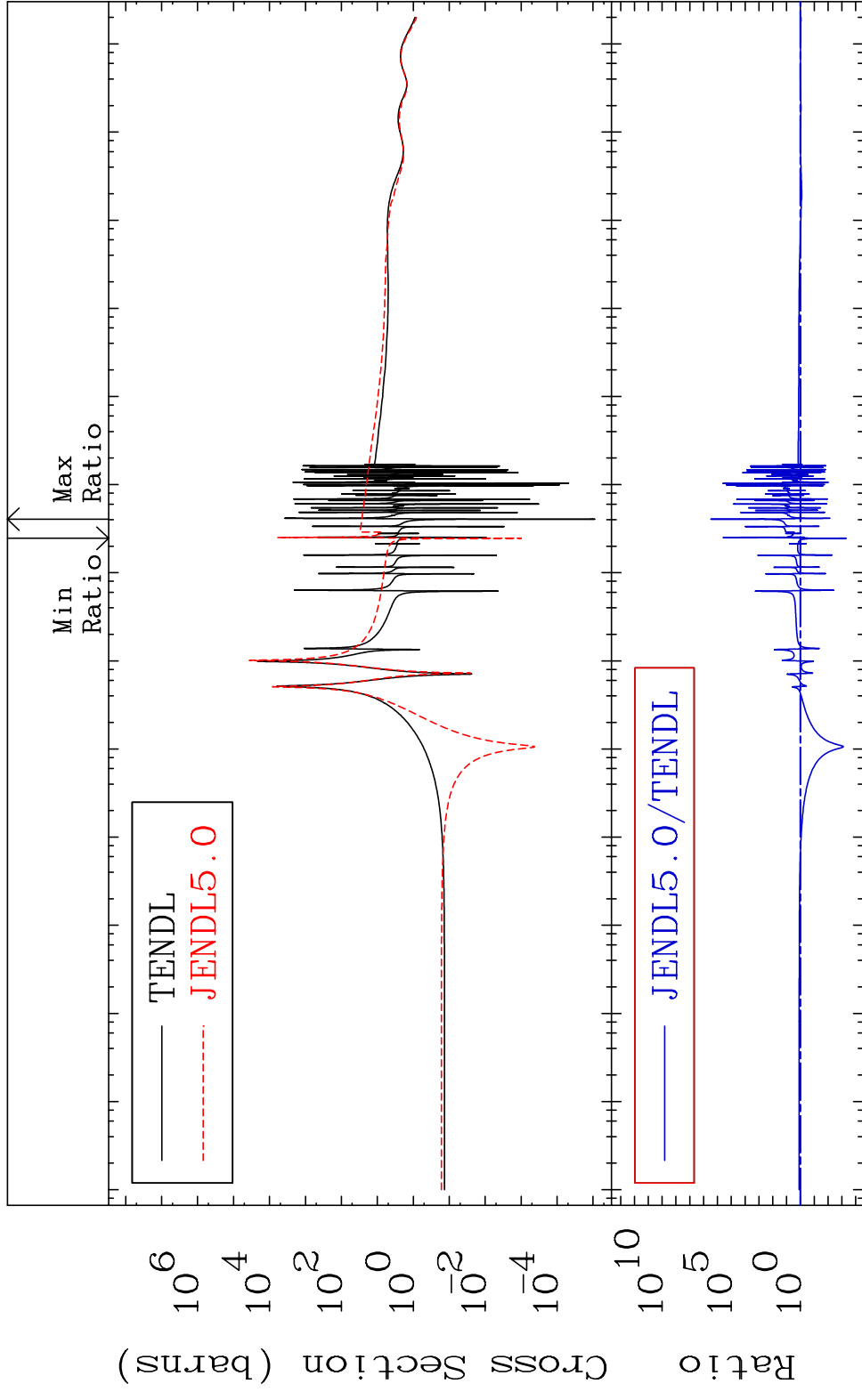
1 Incident Energy (eV) 54-Xe-124

MAT 5425

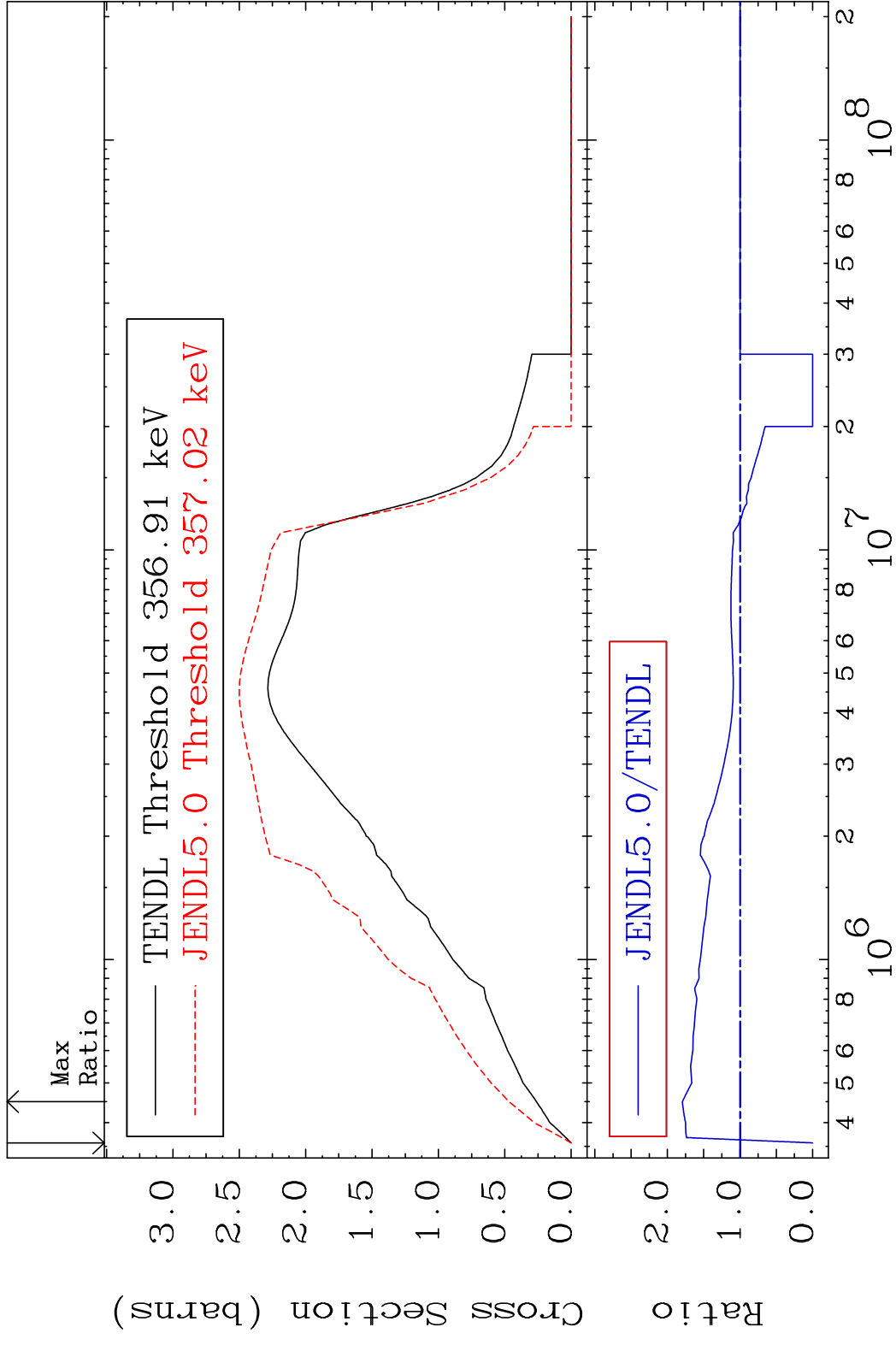
54-Xe-124

Elastic

Cross Section -99.95 To 9999. %



MAT 5425 Inelastic 54-Xe-124
 Cross Section -100.0 To 79.41 %

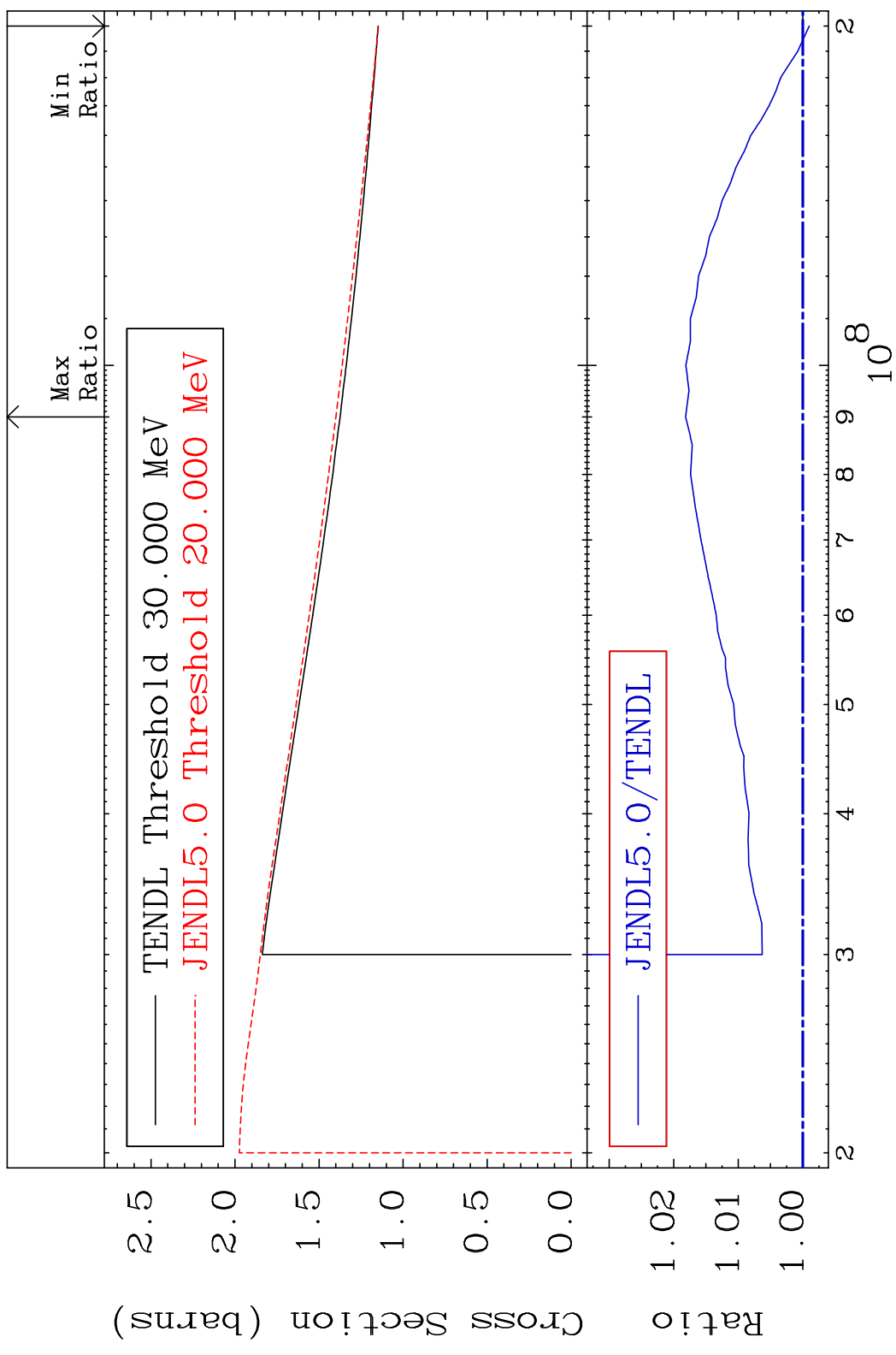


MAT 5425

(n, remainder)

54-Xe-124

Cross Section -0.101 To 1.815 %



4

Incident Energy (eV)

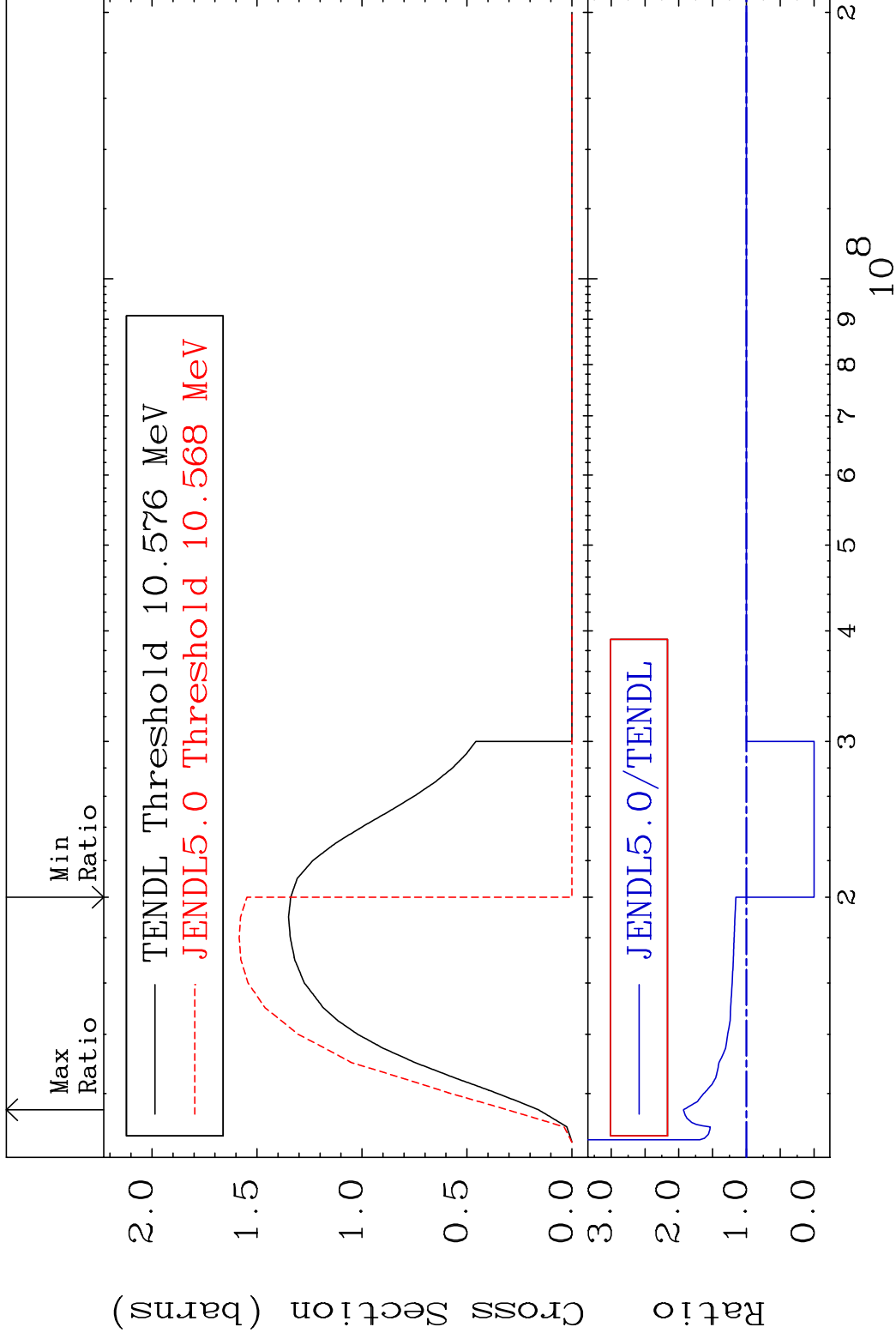
54-Xe-124

MAT 5425

(n,2n)

54-Xe-124

Cross Section -100.0 To 93.09 %



5

Incident Energy (eV)

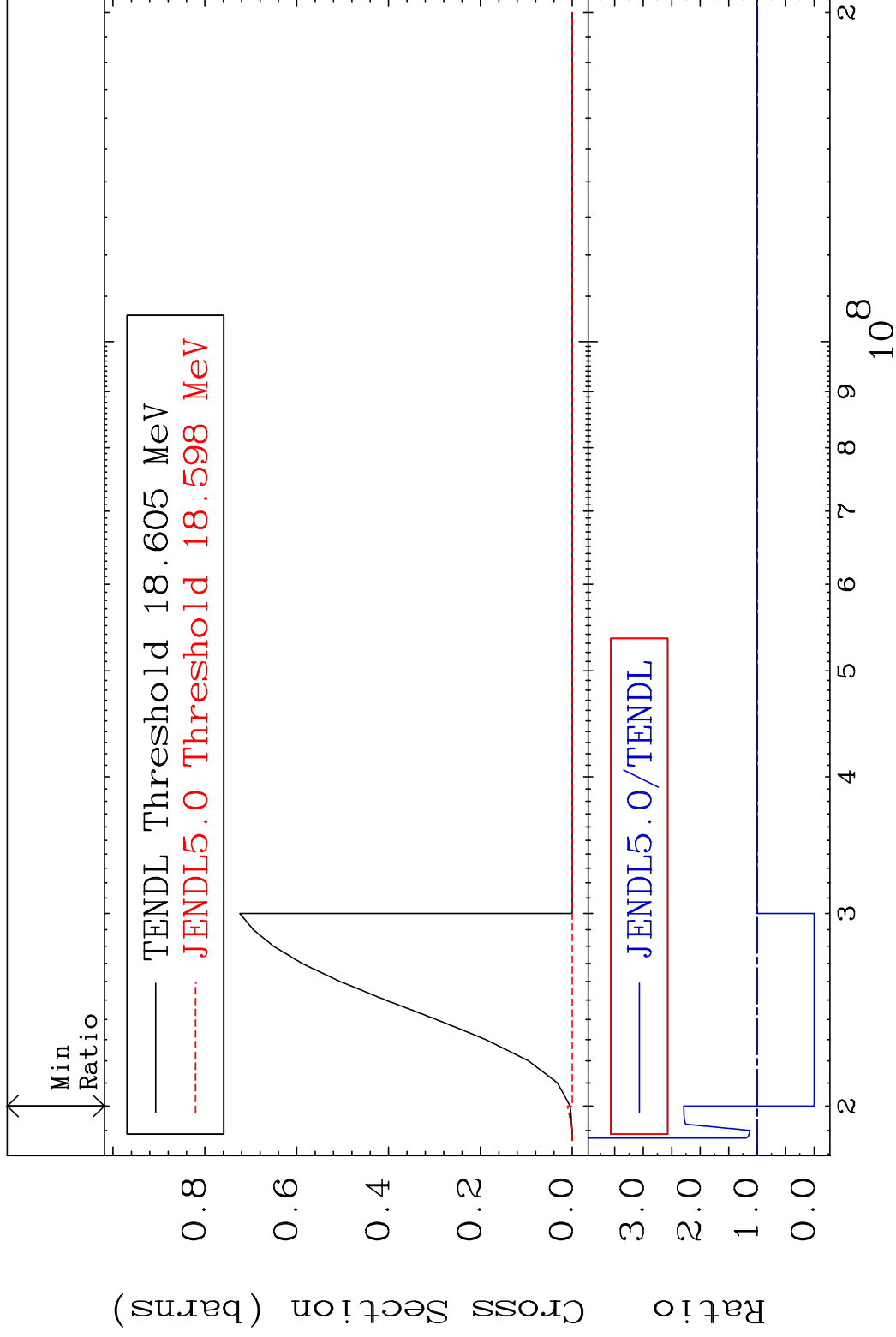
54-Xe-124

MAT 5425

(n,3n)

54-Xe-124

Cross Section -100.0 To 129.0 %



6

Incident Energy (eV)

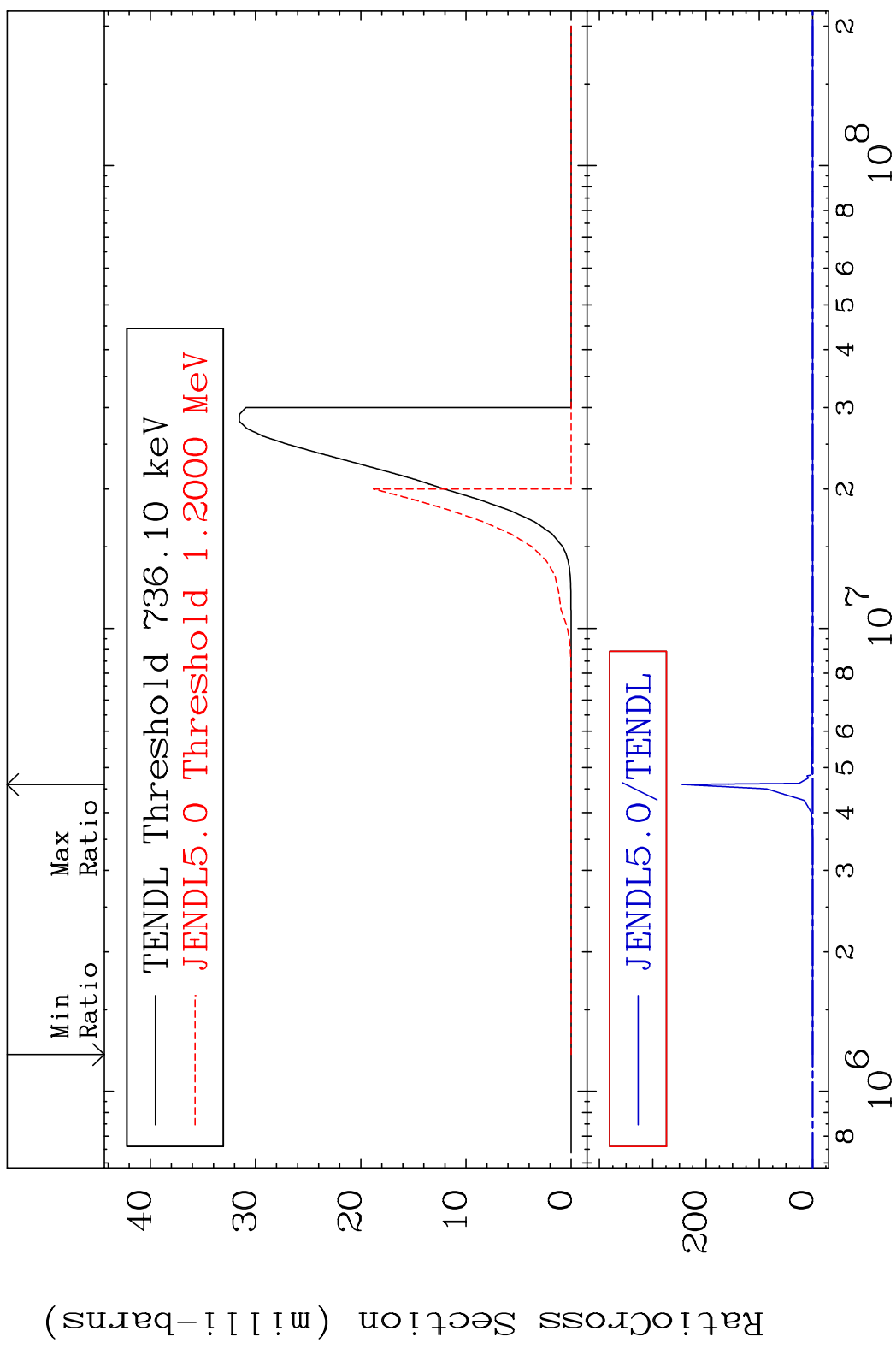
54-Xe-124

MAT 5425

(n, n') α

54-Xe-124

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

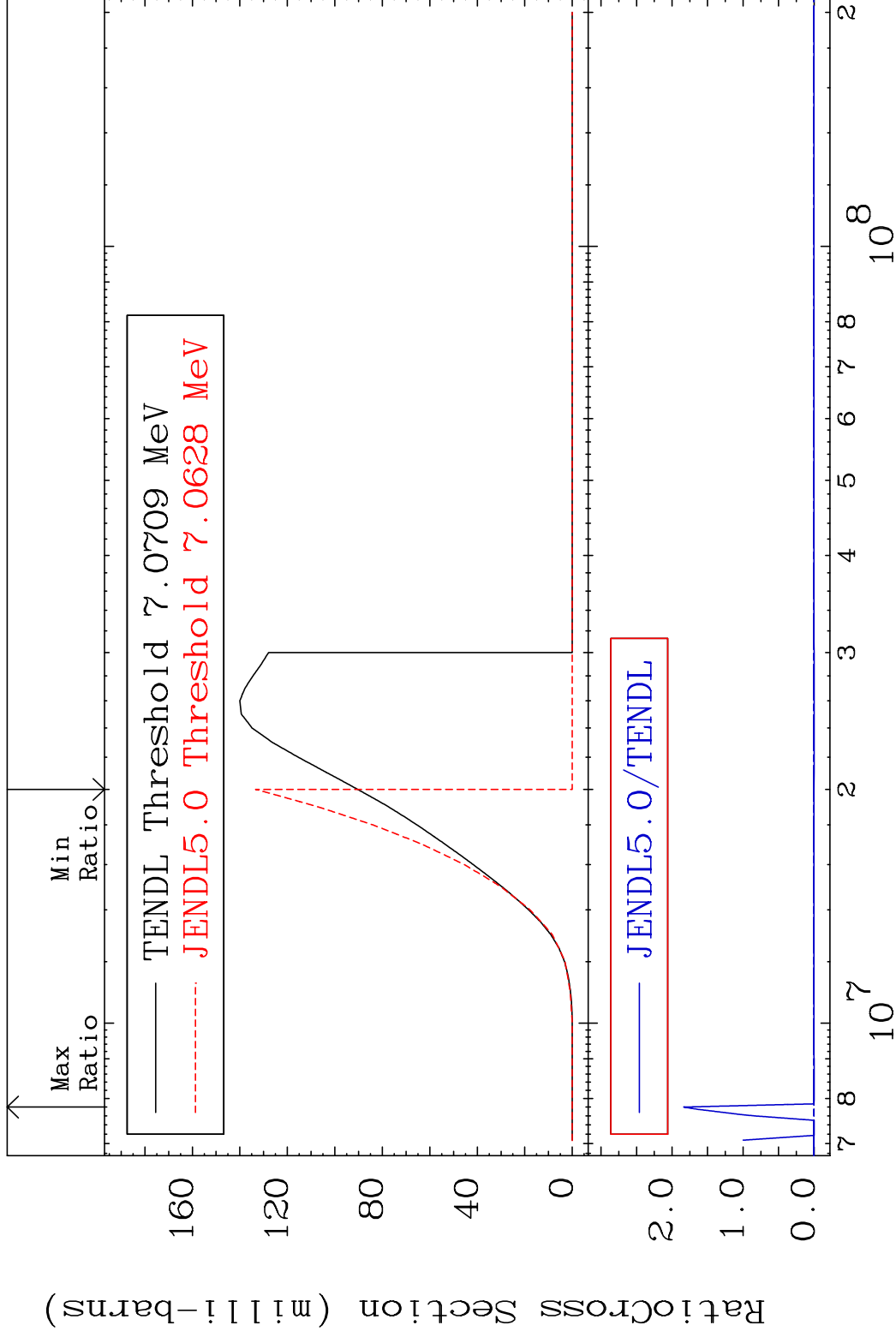
54-Xe-124

MAT 5425

(n, n') p

54-Xe-124

Cross Section -100.0 To 9999. %

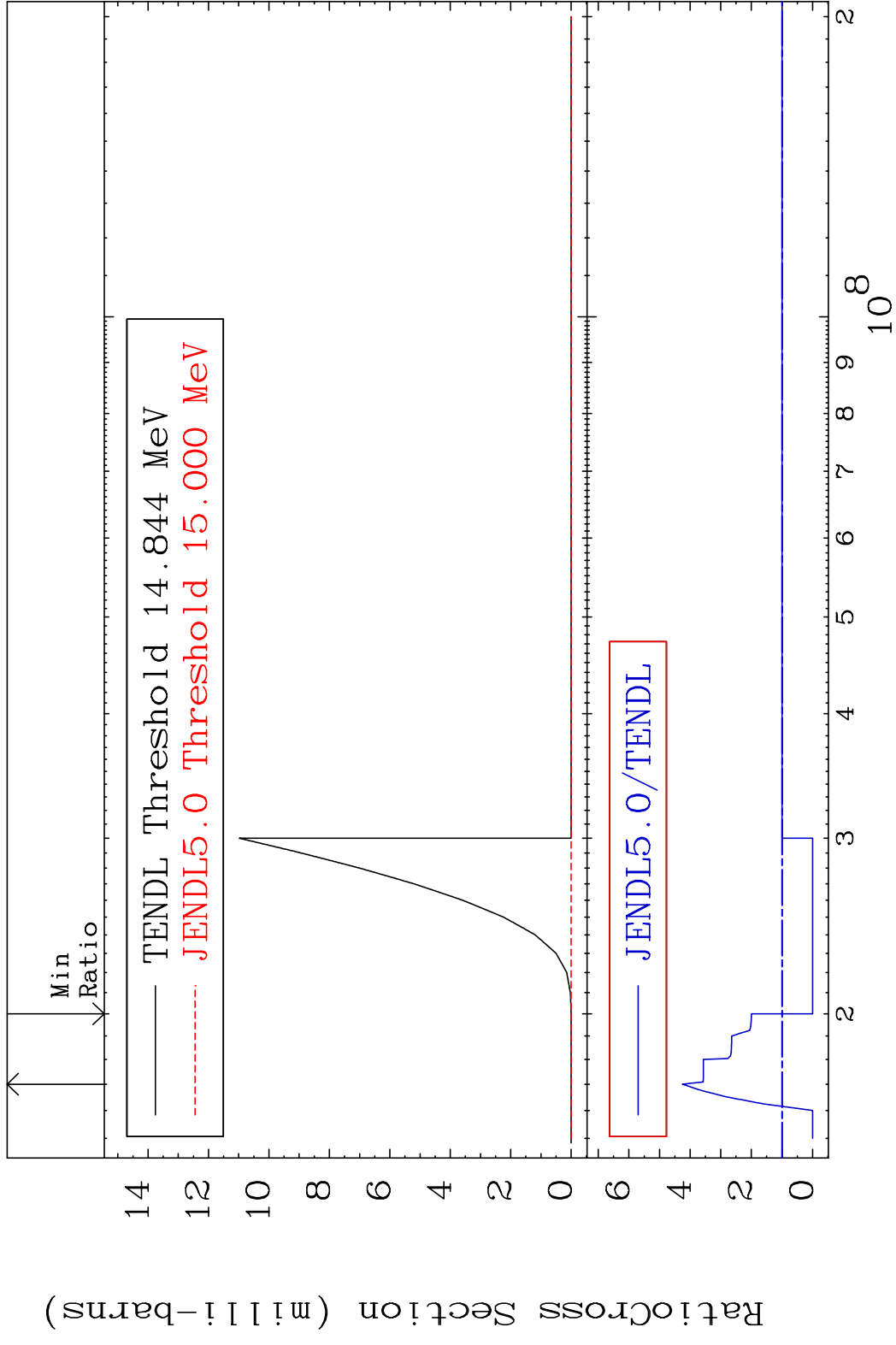


8

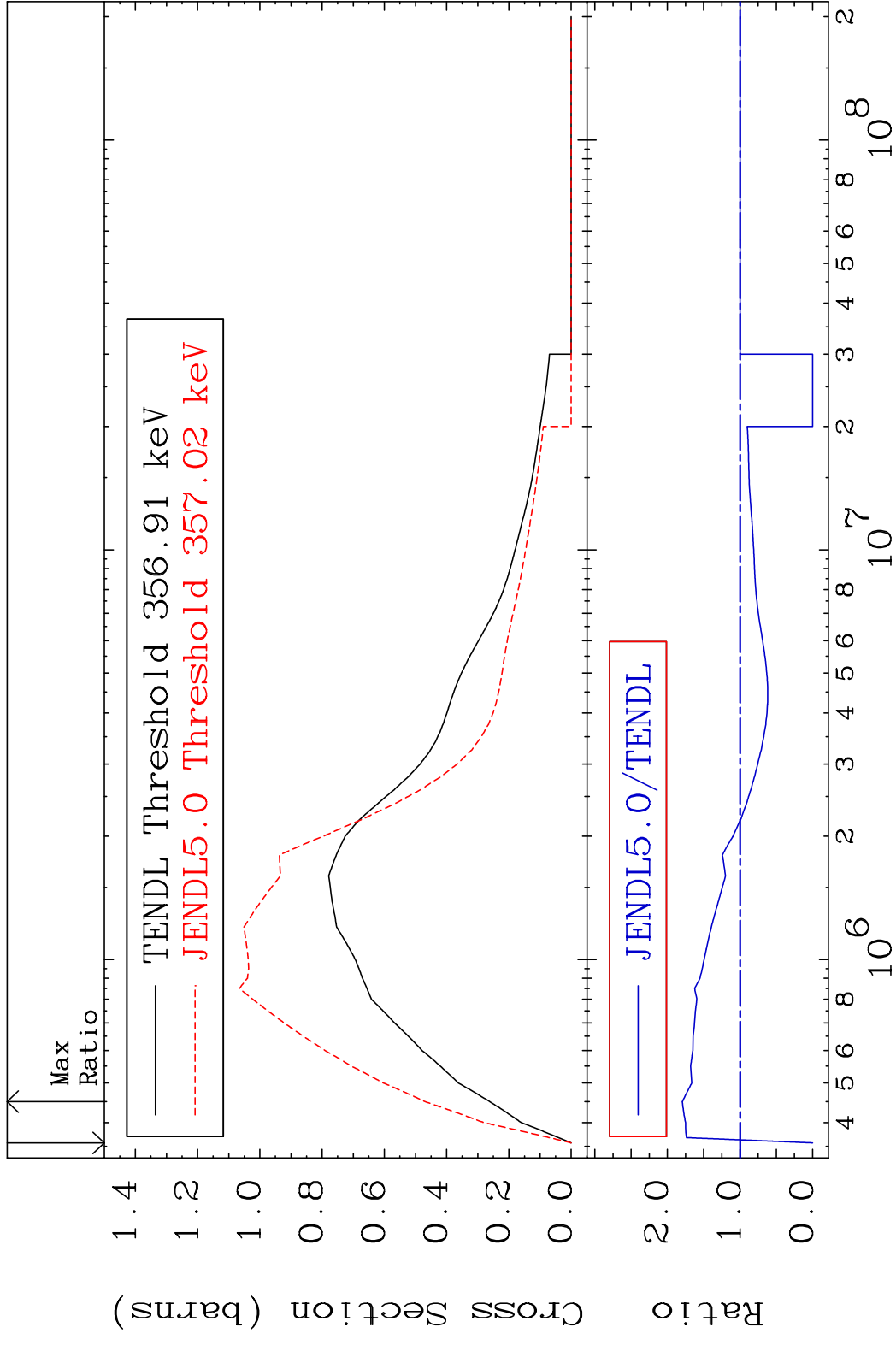
Incident Energy (eV)

54-Xe-124

MAT 5425 (n, n') d 54-Xe-124
 Cross Section -100.0 To 325.4 %

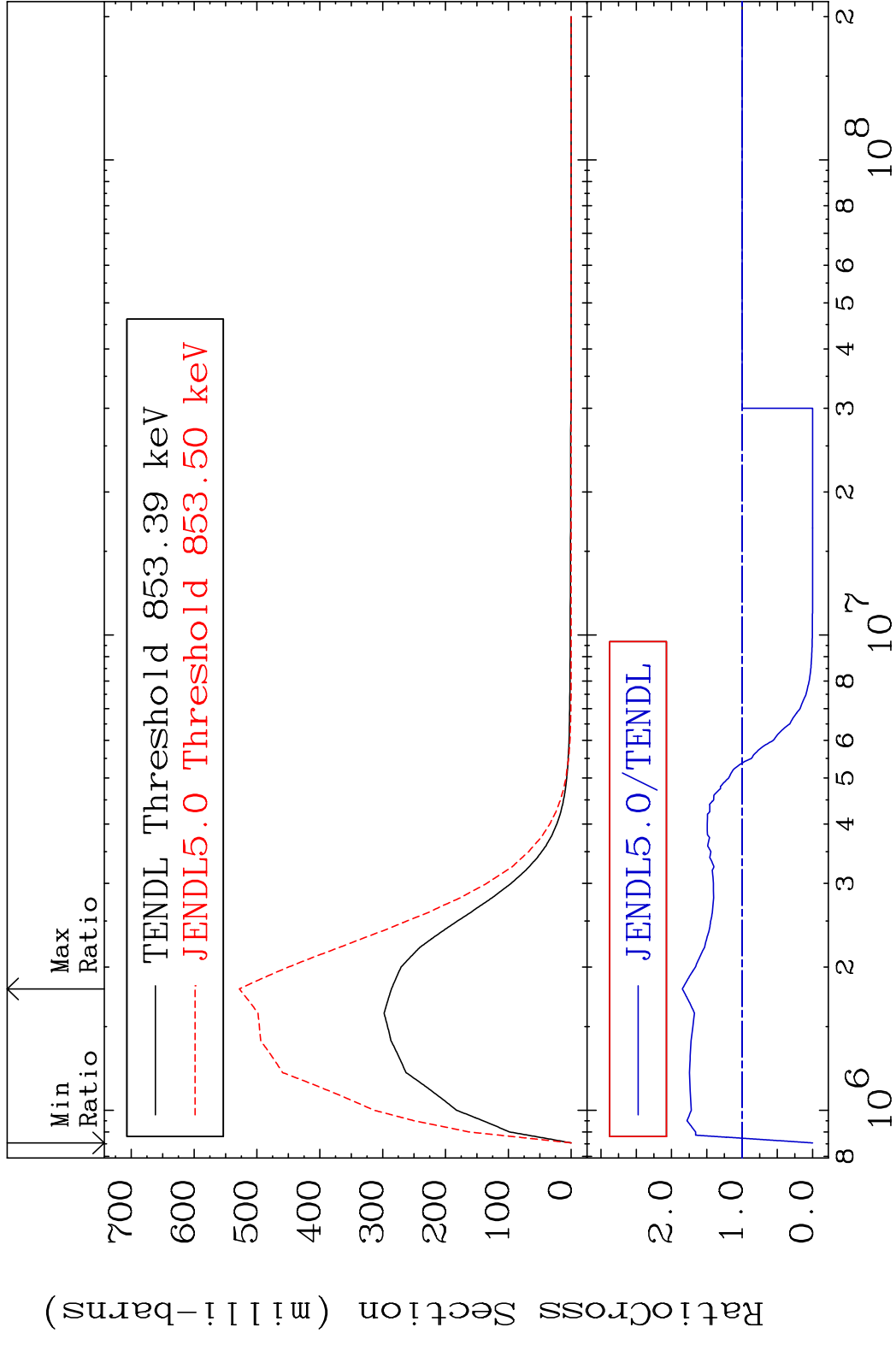


MAT 5425 MT= 51 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 79.41 %

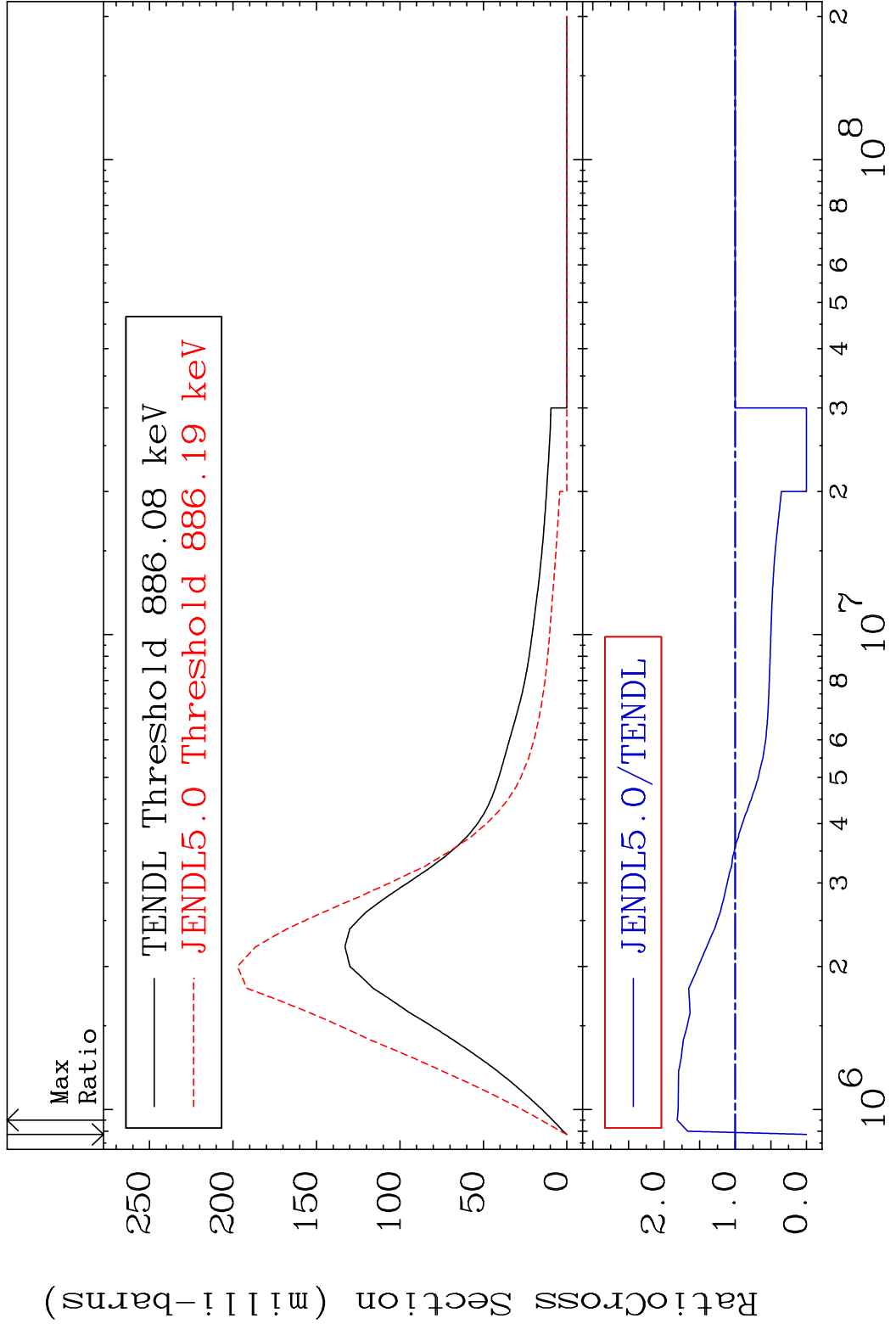


10 Incident Energy (eV) 54-Xe-124

MAT 5425 MT= 52 (n,n') Level 54-Xe-124
 Cross Section -100.0 To 84.65 %

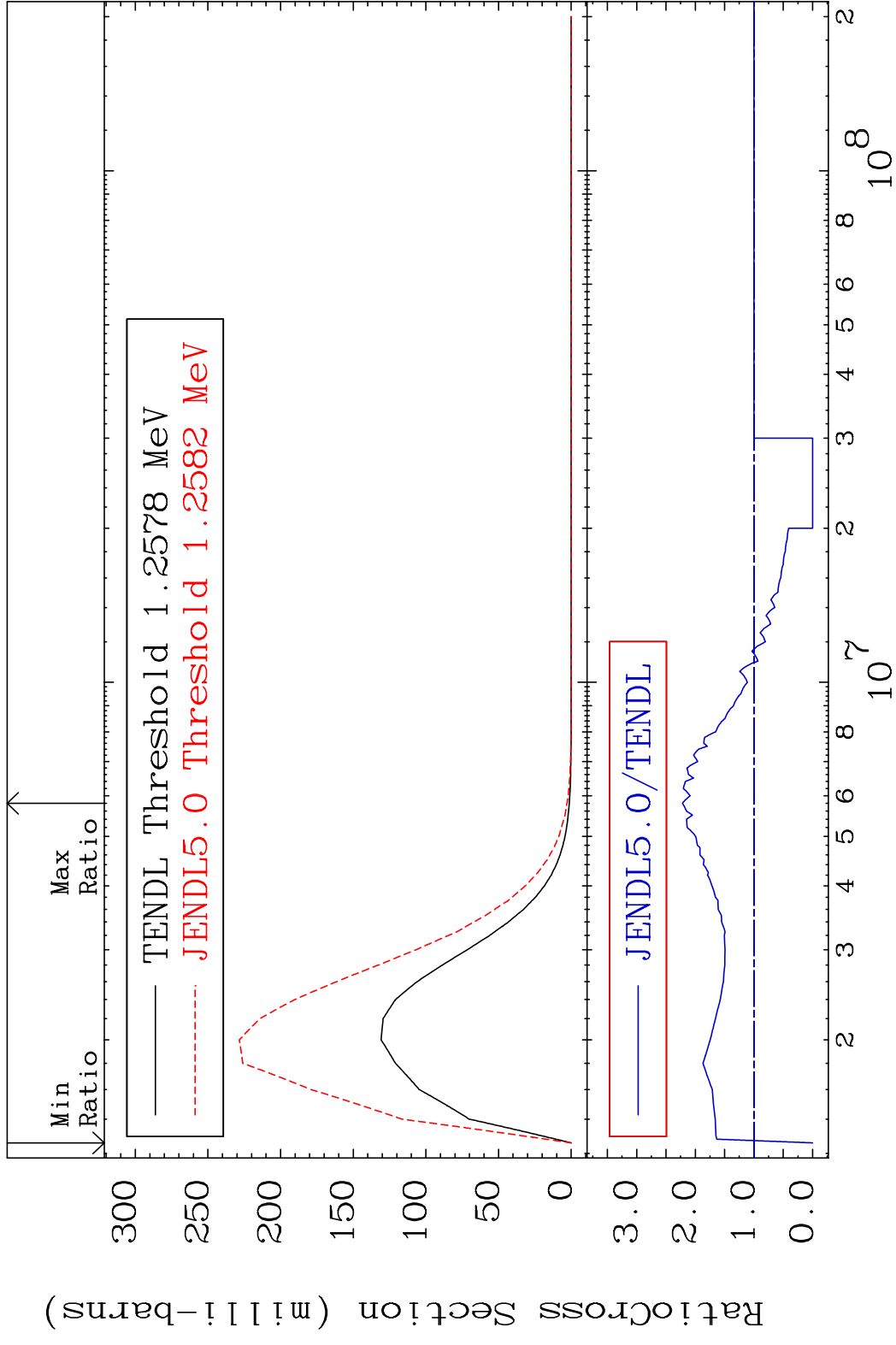


MAT 5425 MT= 53 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 81.57 %

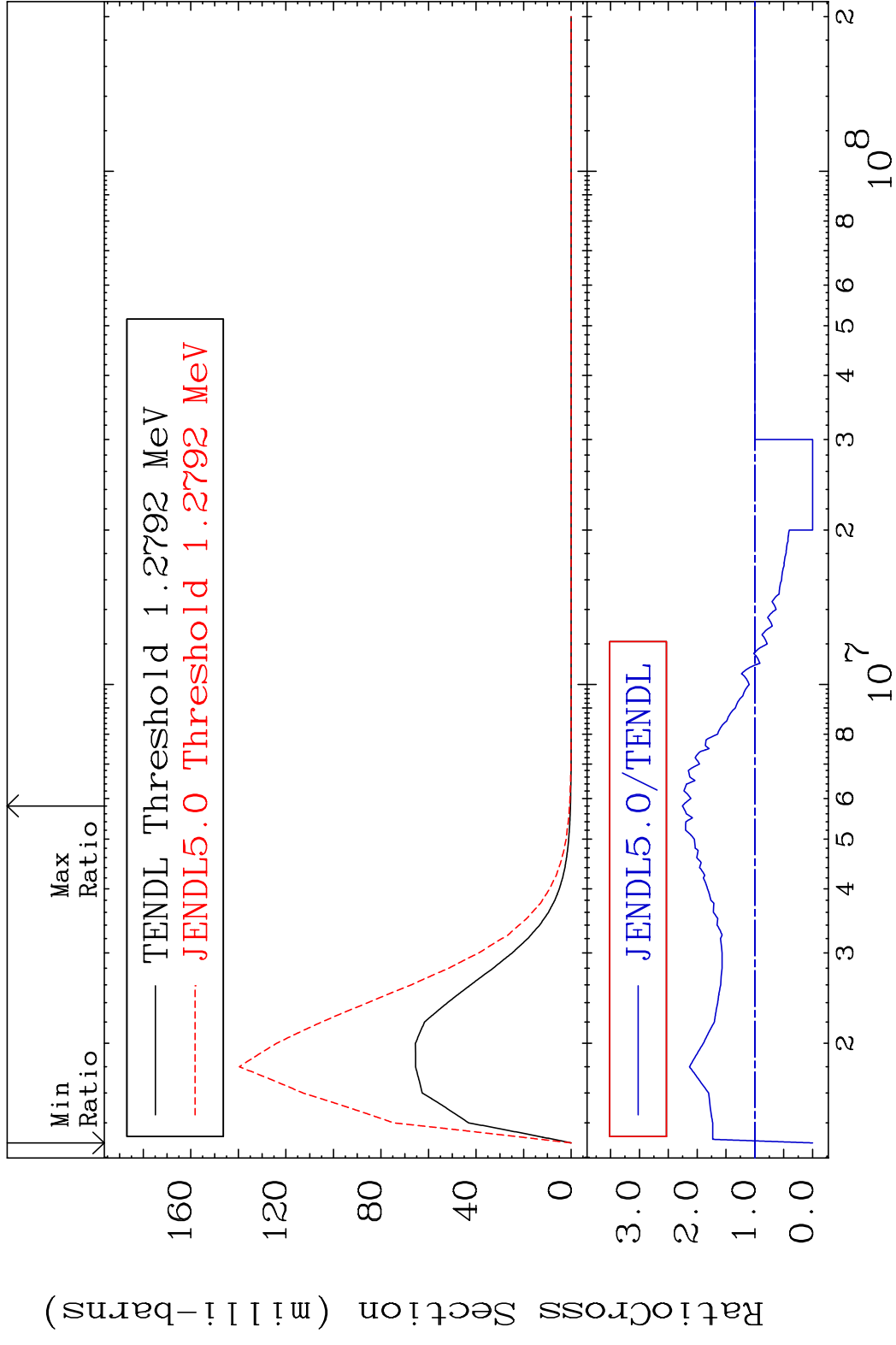


12 Incident Energy (eV) 54-Xe-124

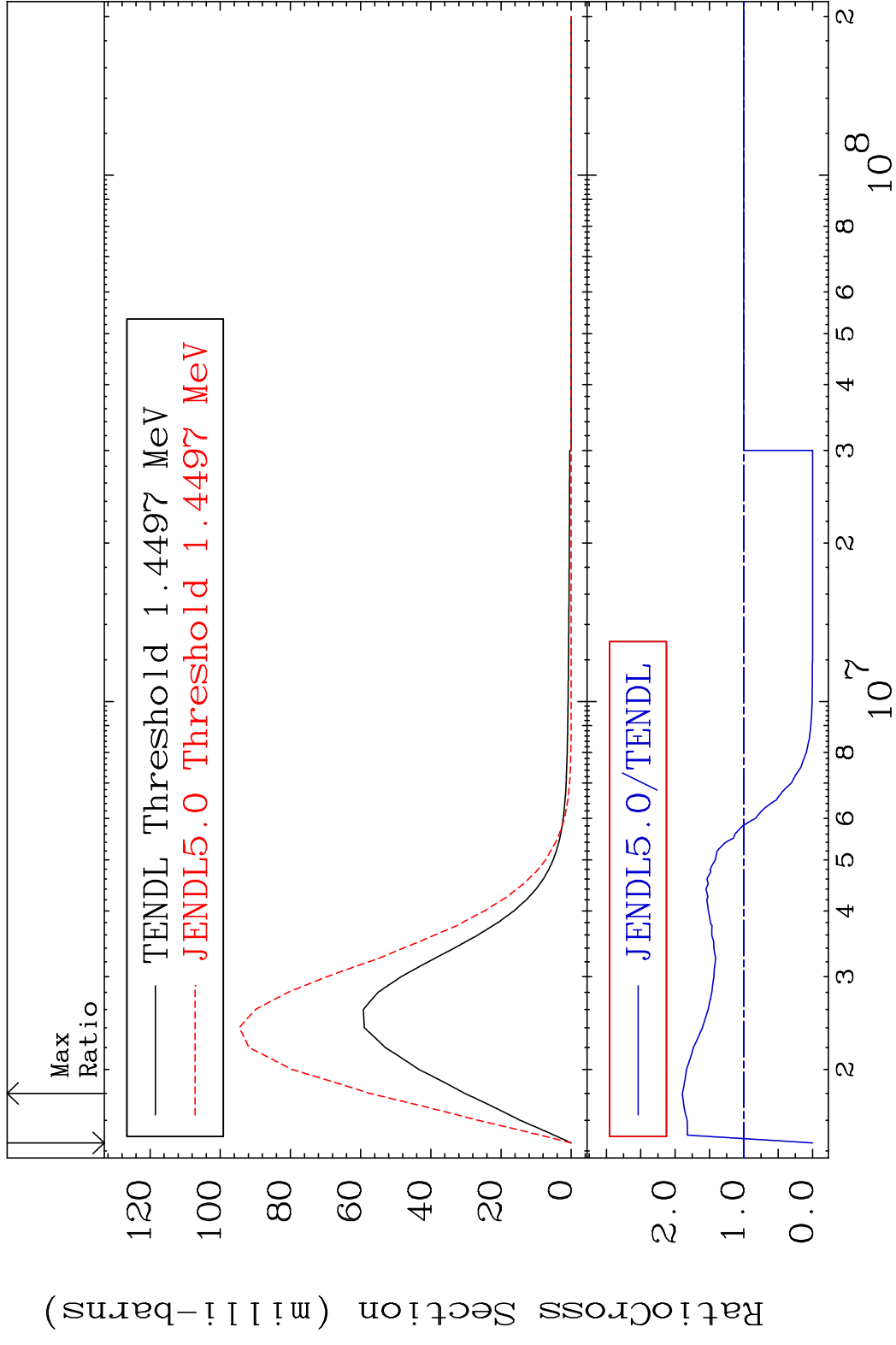
MAT 5425 MT= 54 (n,n') Level 54-Xe-124
 Cross Section -100.0 To 122.1 %



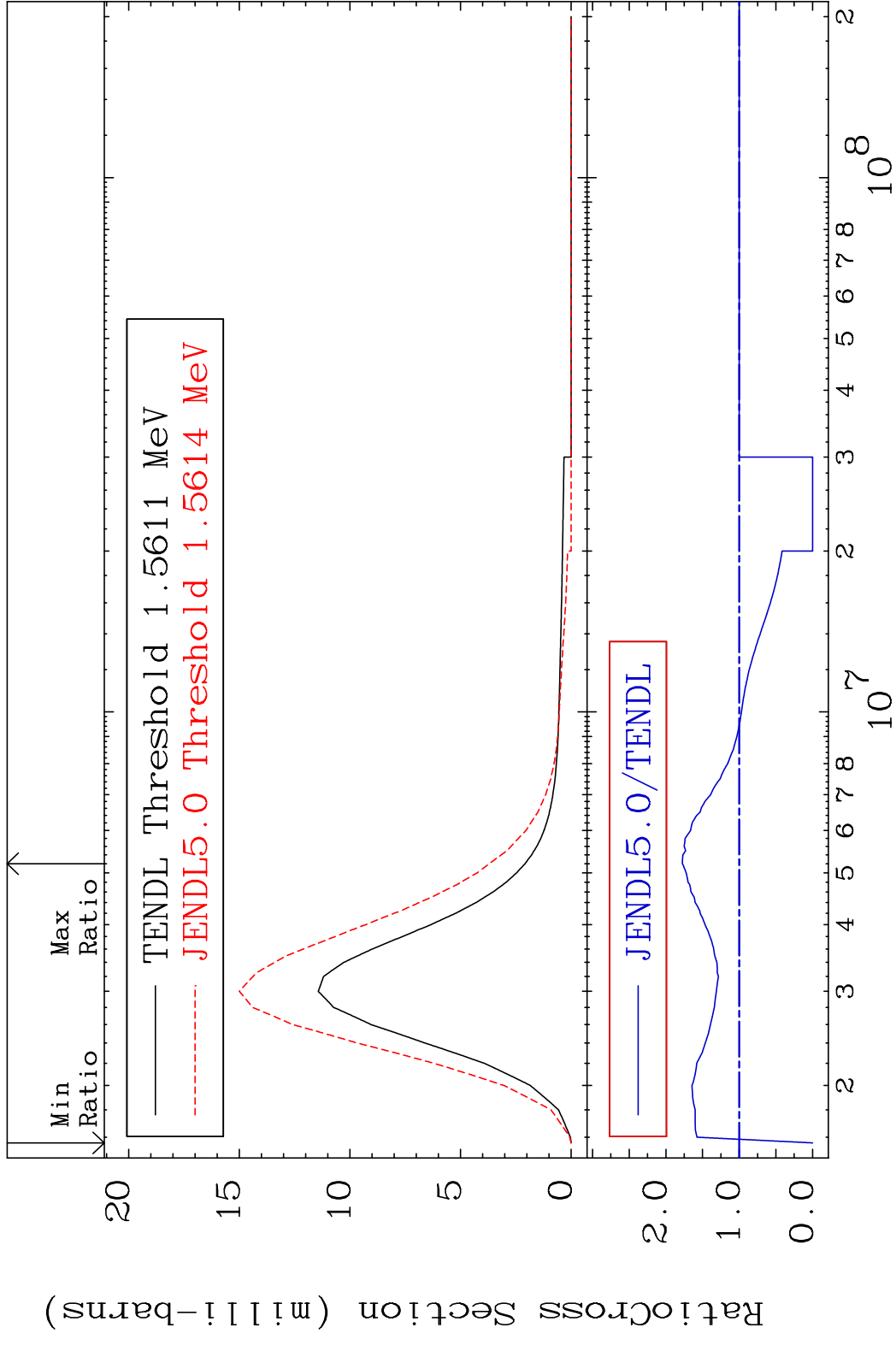
MAT 5425 MT= 55 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 125.6 %



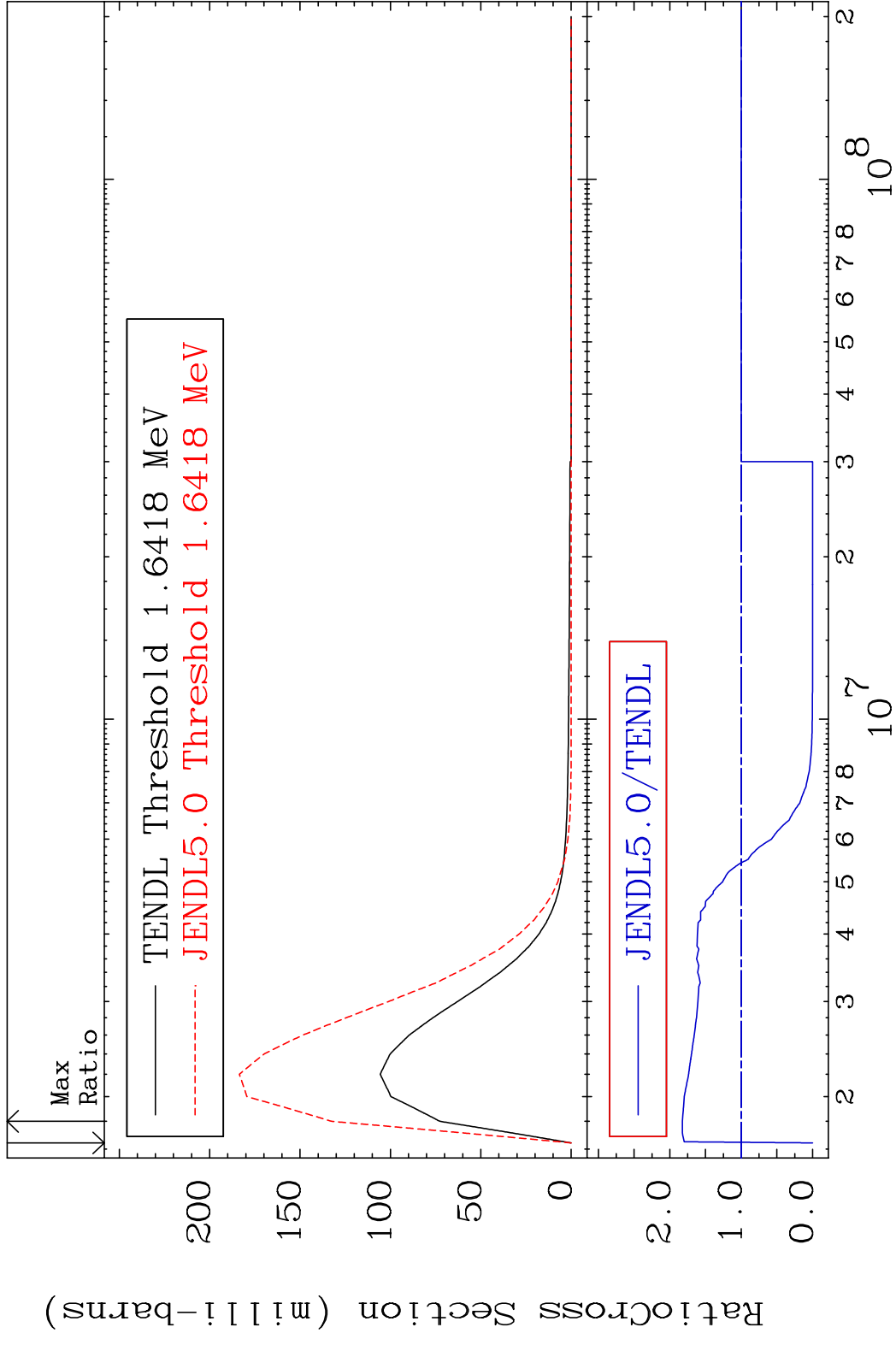
MAT 5425 MT= 56 (n,n') Level 54-Xe-124
 Cross Section -100.0 To 89.44 %



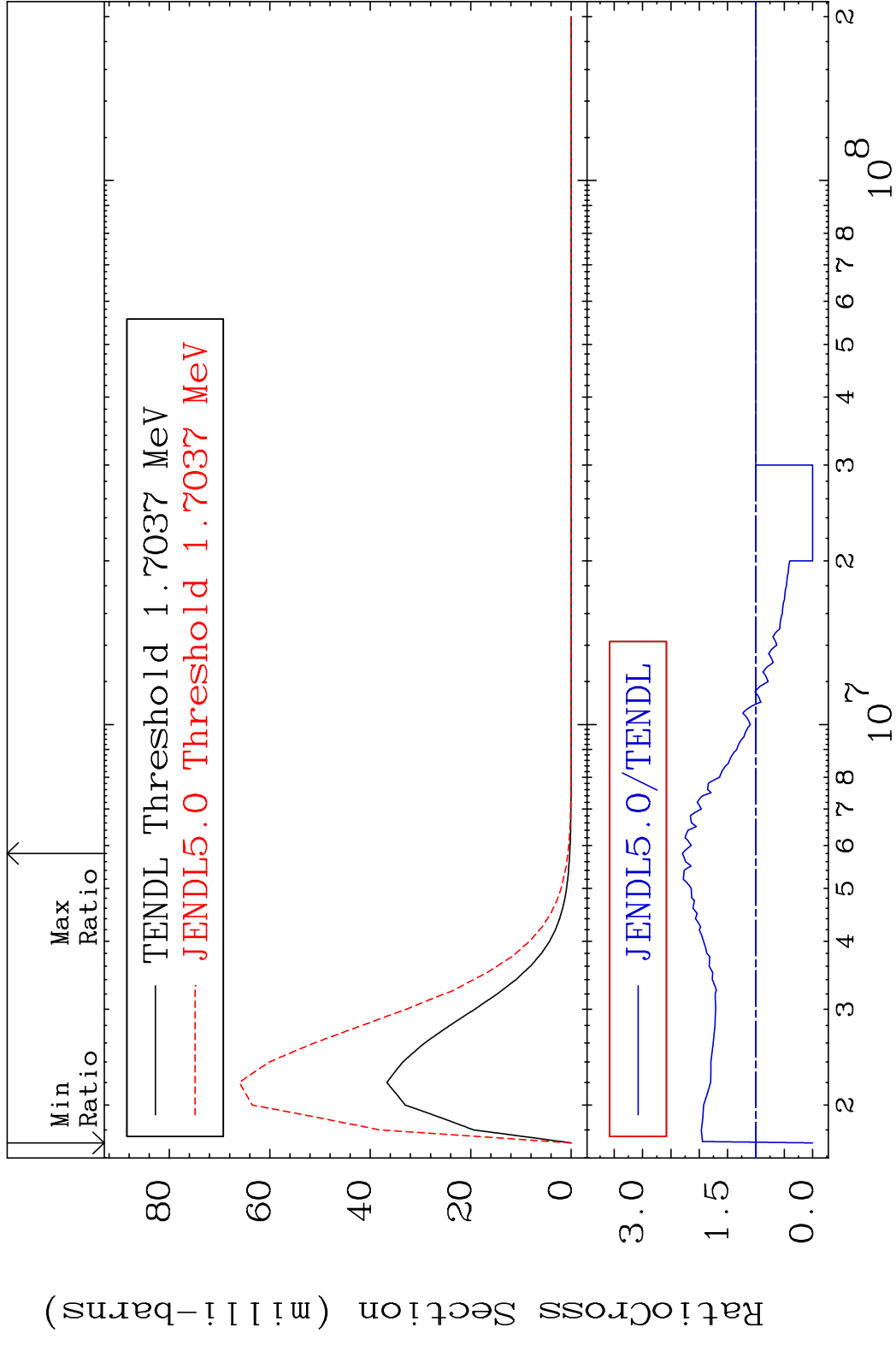
MAT 5425 MT= 57 (n,n') Level 54-Xe-124
 Cross Section -100.0 To 77.54 %



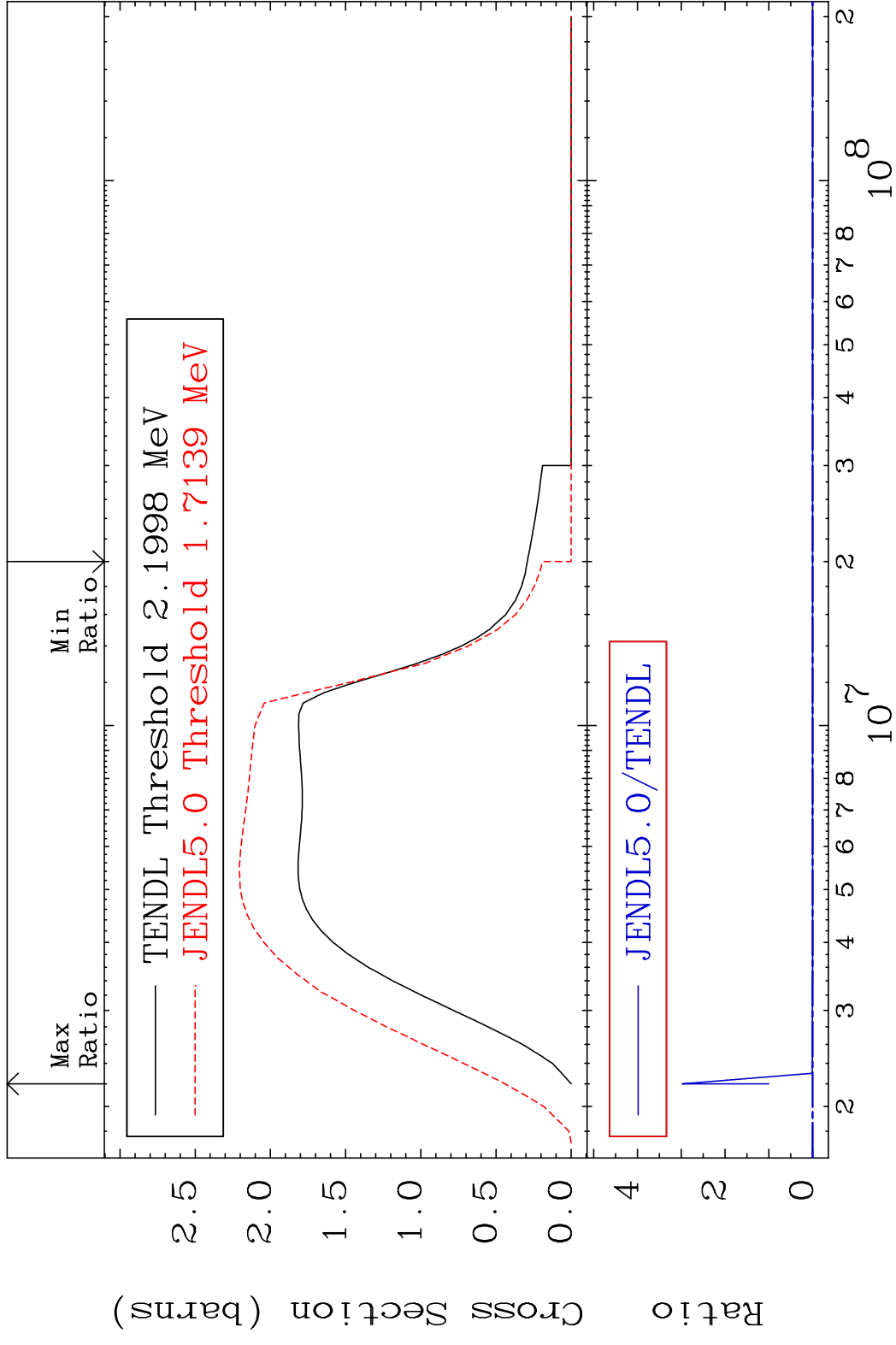
MAT 5425 MT= 58 (n, n') Level 54-Xe-124
 Cross Section -100.0 To 82.45 %



MAT 5425 MT= 59 (n,n') Level 54-Xe-124
 Cross Section -100.0 To 129.8 %



MAT 5425 (n, n') Continuum 54-Xe-124
 Cross Section -100.0 To 9999. %

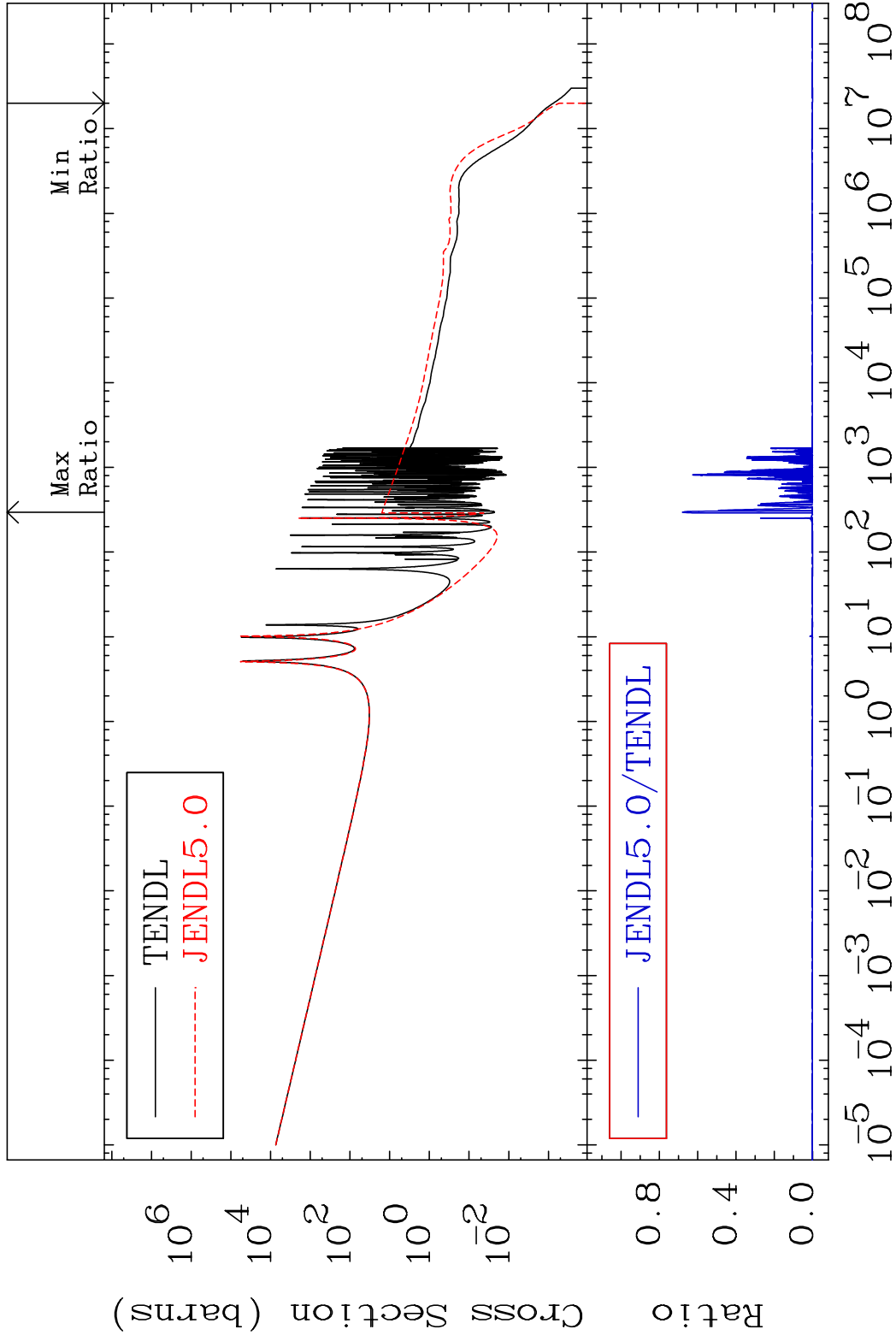


MAT 5425

(n, γ)

54-Xe-124

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

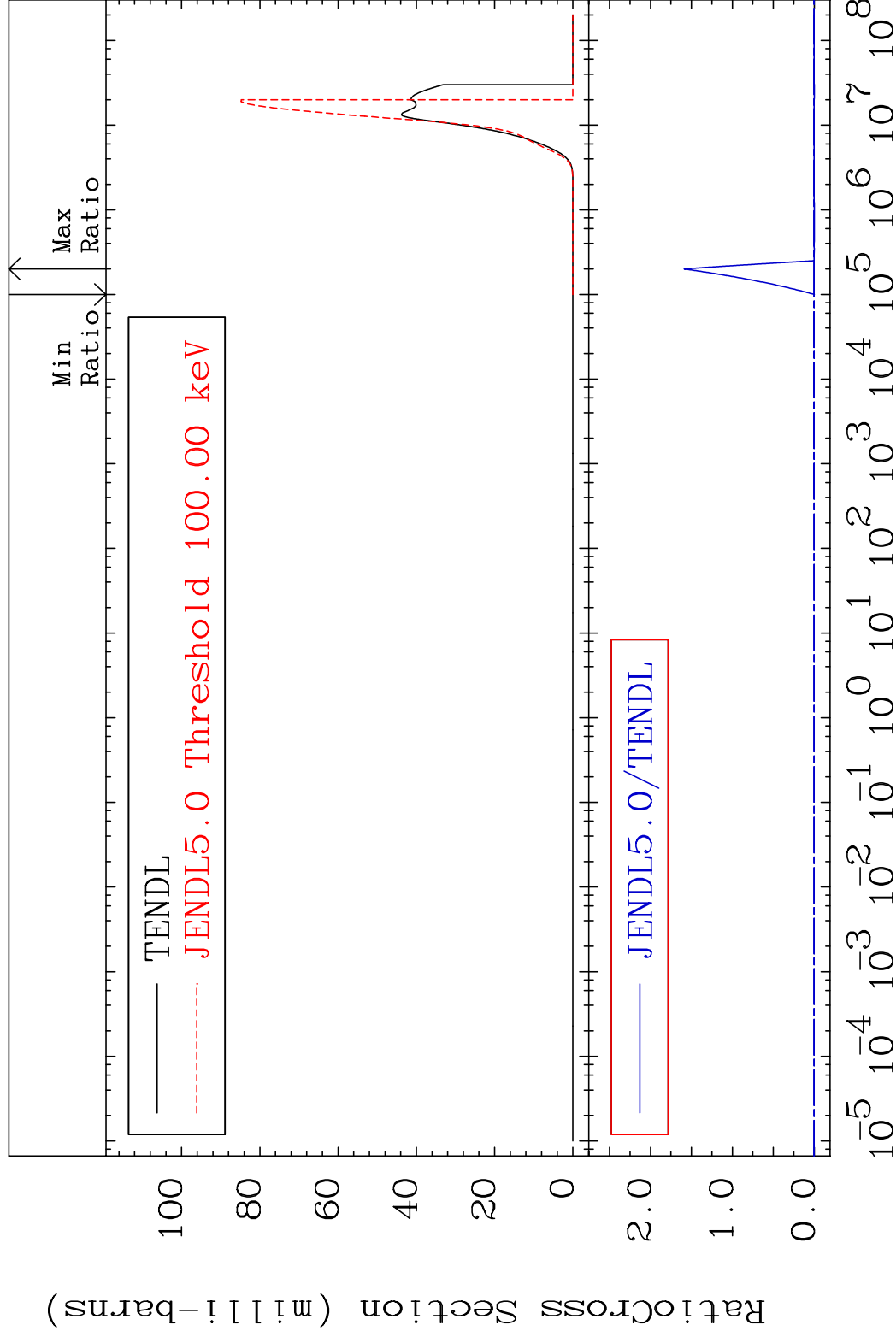
54-Xe-124

MAT 5425

(n, p)

54-Xe-124

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

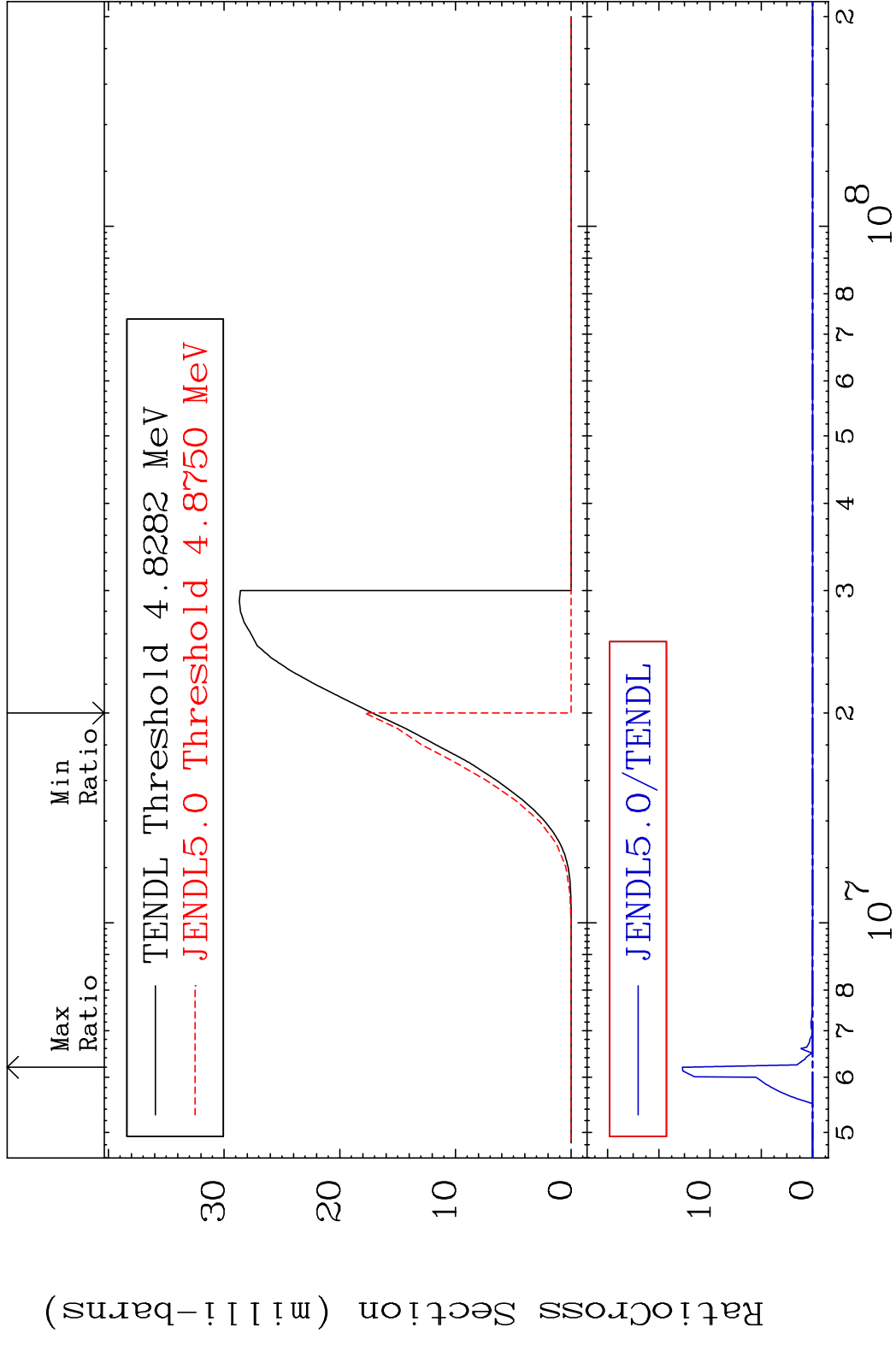
54-Xe-124

MAT 5425

(n,d)

54-Xe-124

Cross Section -100.0 To 9999. %

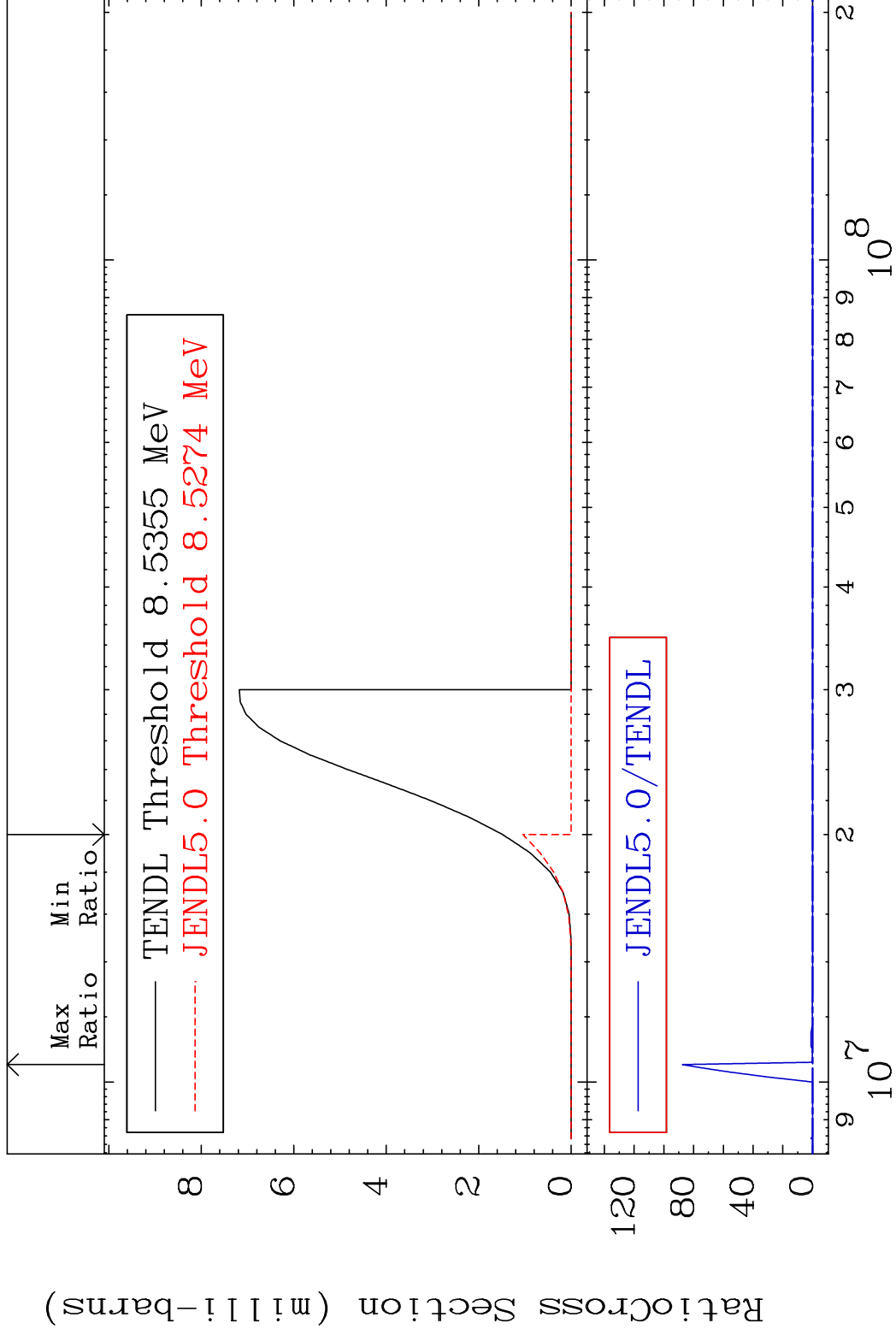


MAT 5425

(n, t)

54-Xe-124

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

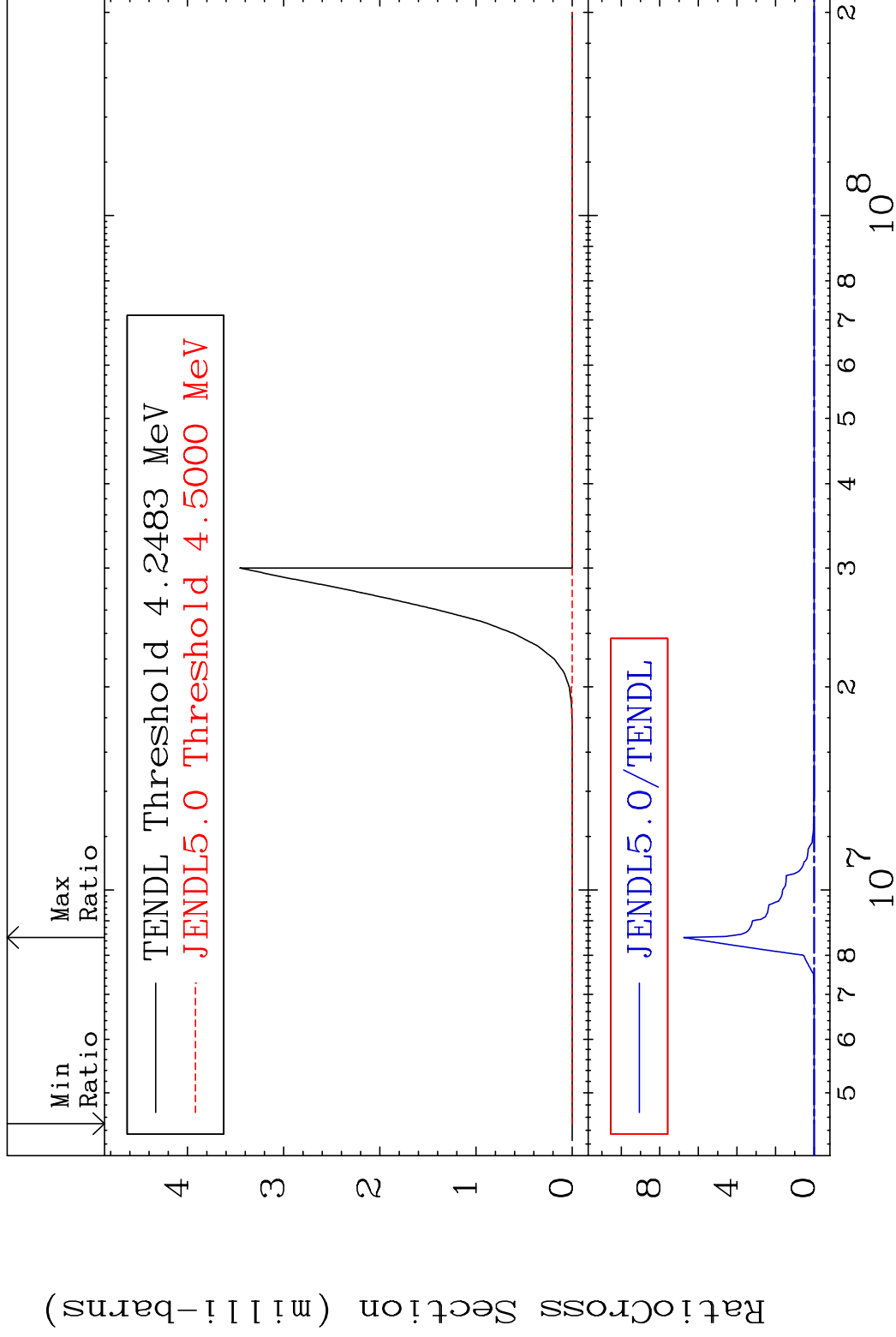
54-Xe-124

MAT 5425

(n, He-3)

54-Xe-124

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

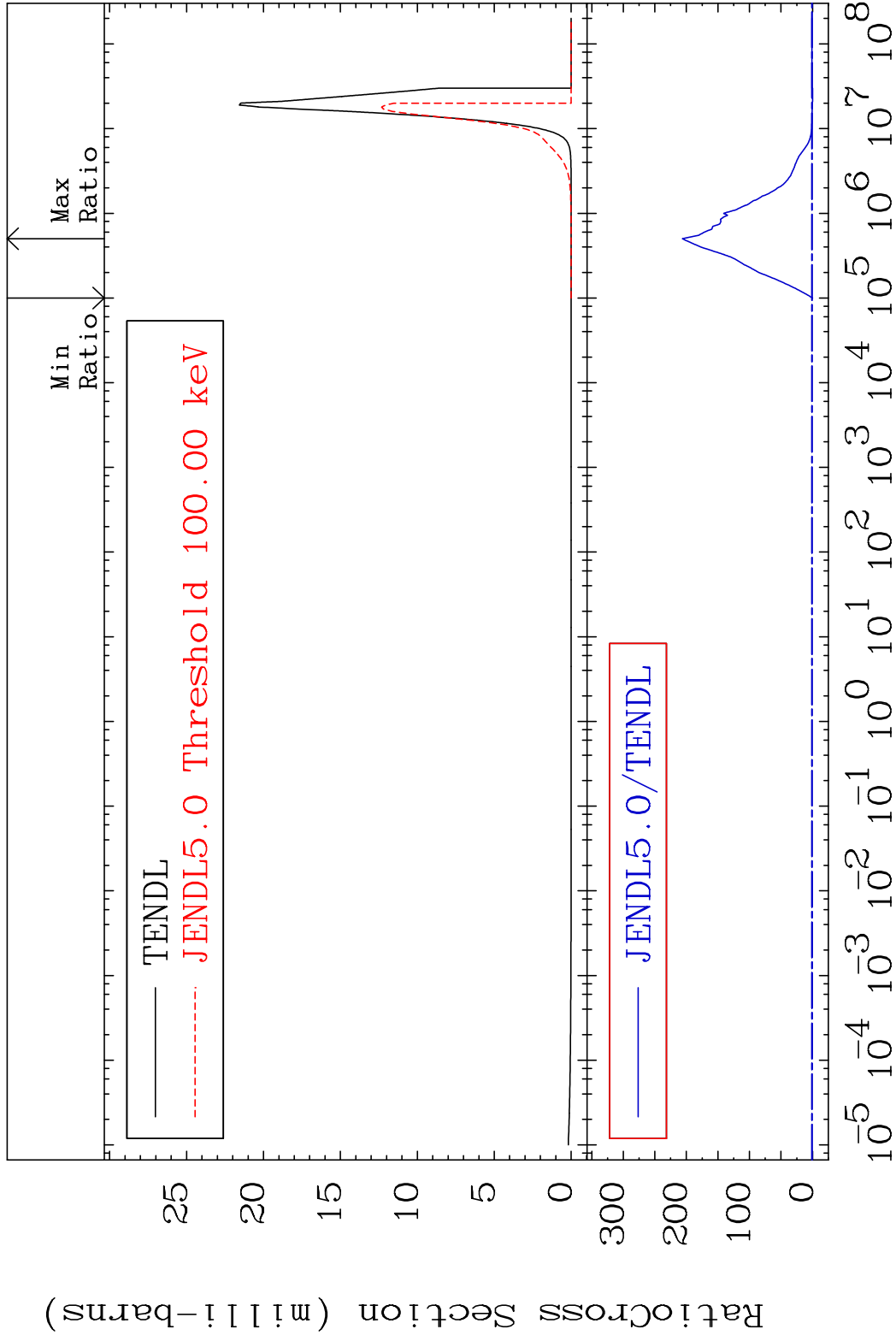
54-Xe-124

MAT 5425

(n, α)

54-Xe-124

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

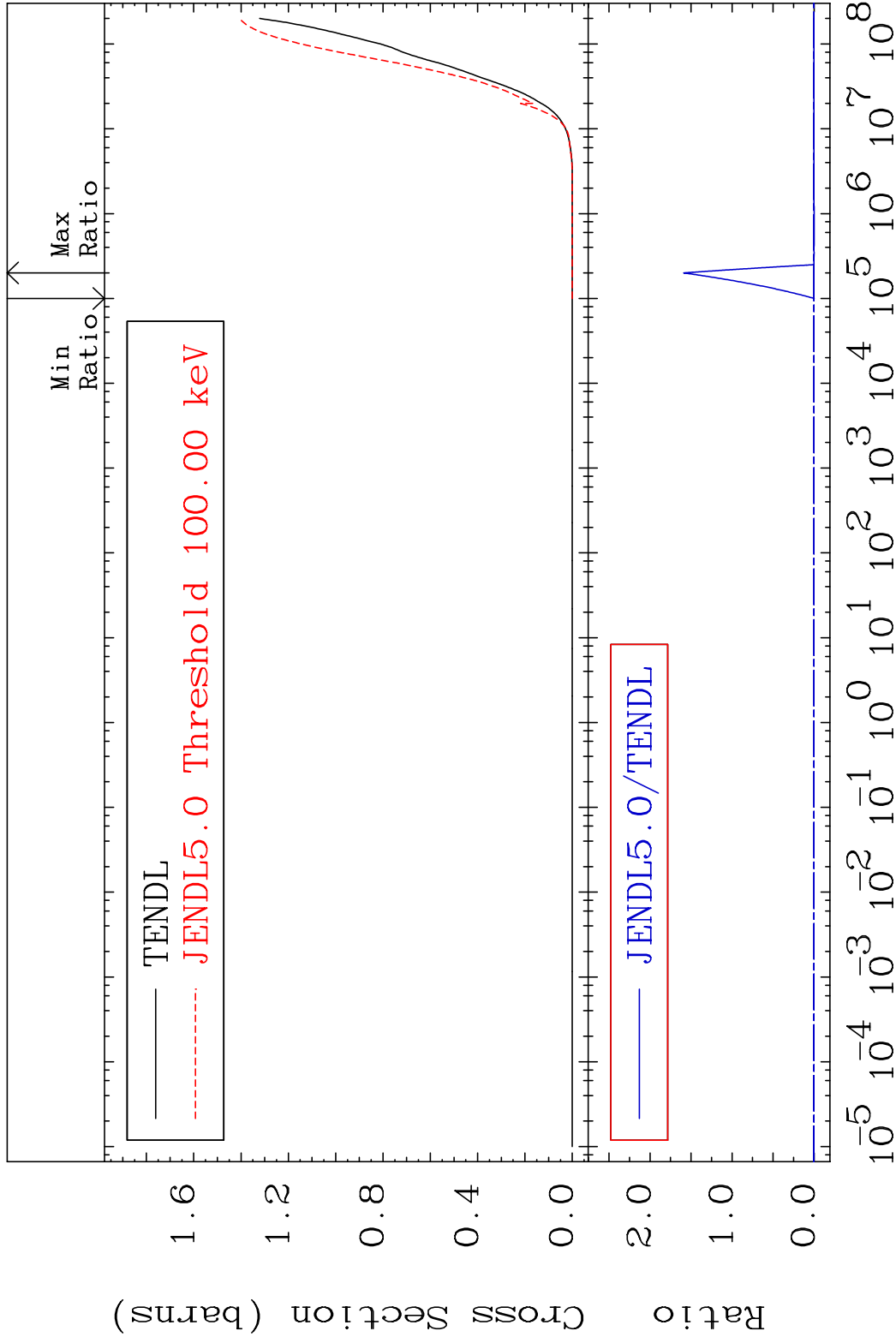
54-Xe-124

MAT 5425

Hydrogen Production

54-Xe-124

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

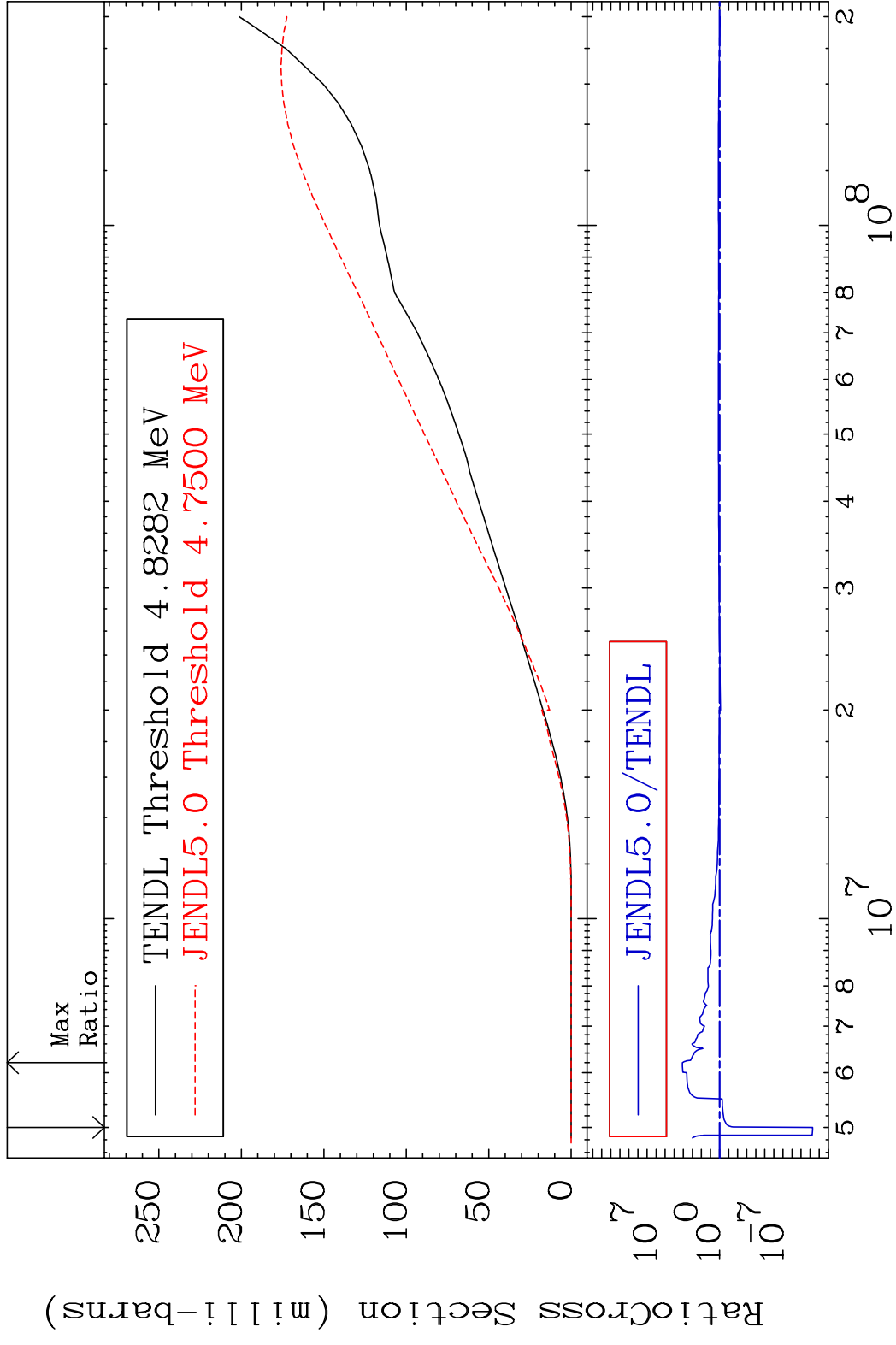
54-Xe-124

MAT 5425

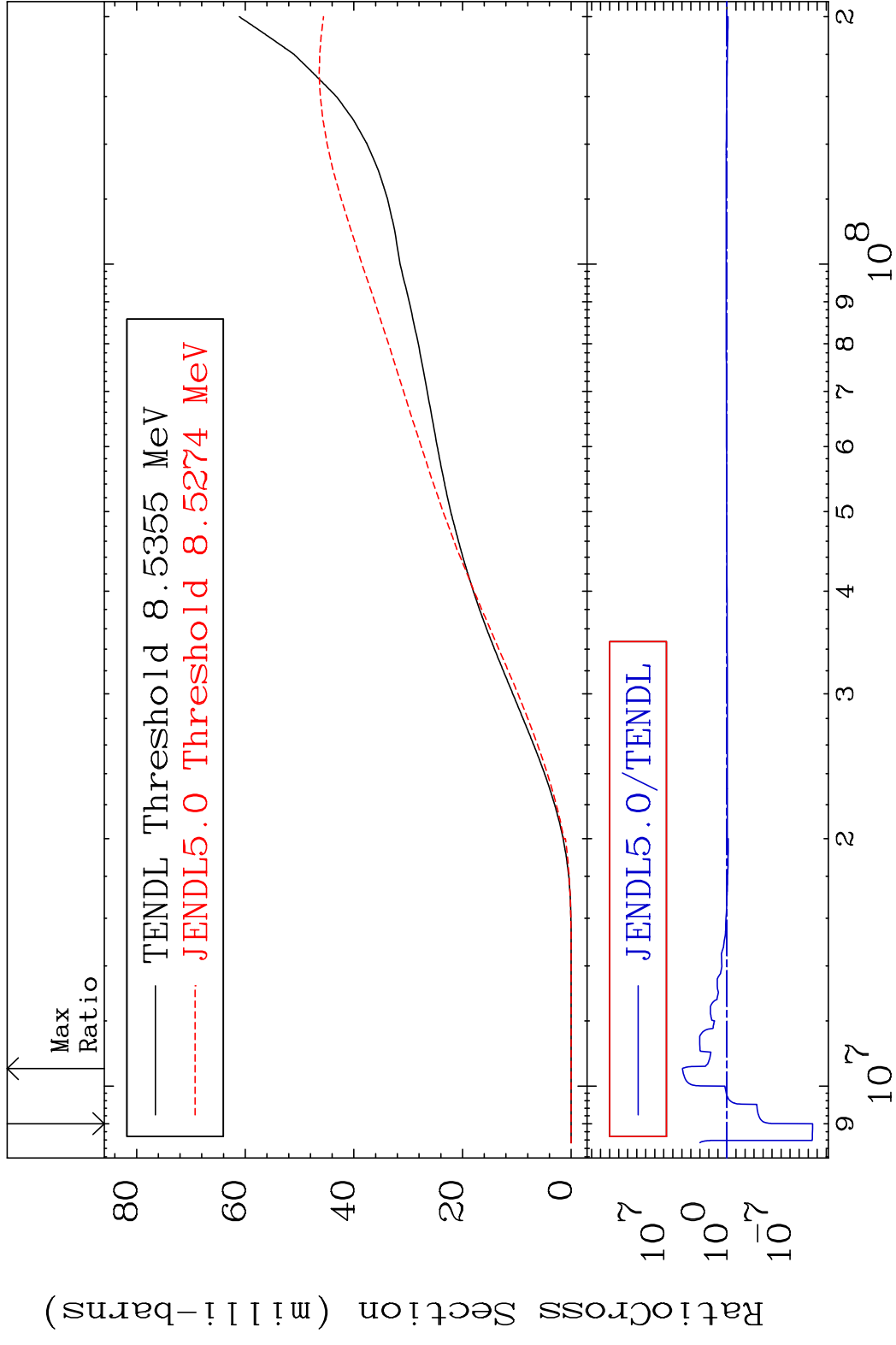
Deuterium Production

54-Xe-124

Cross Section -100.0 To 9999. %



MAT 5425 Tritium Production 54-Xe-124
 Cross Section -100.0 To 9999. %

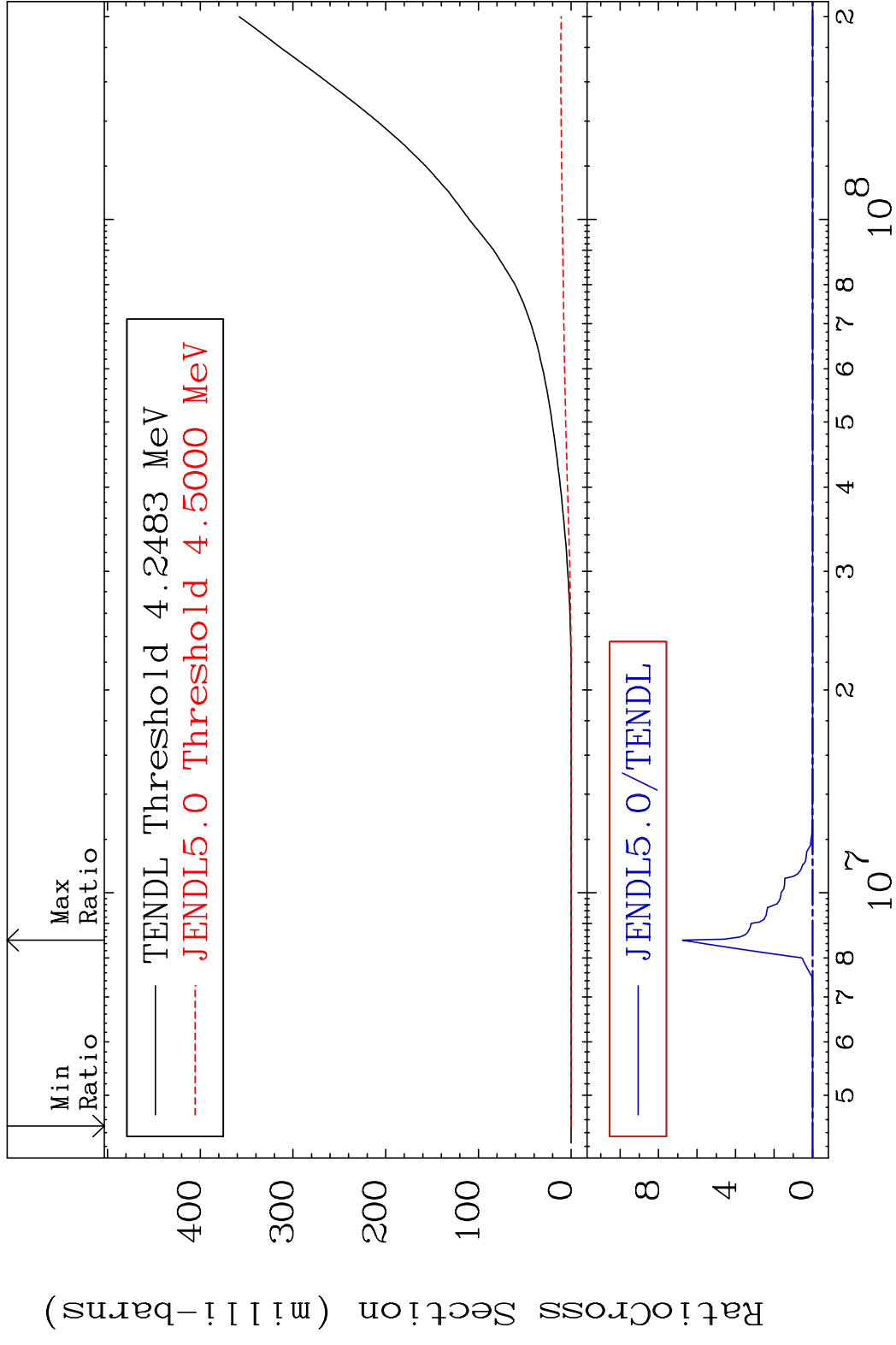


MAT 5425

He-3 Production

54-Xe-124

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

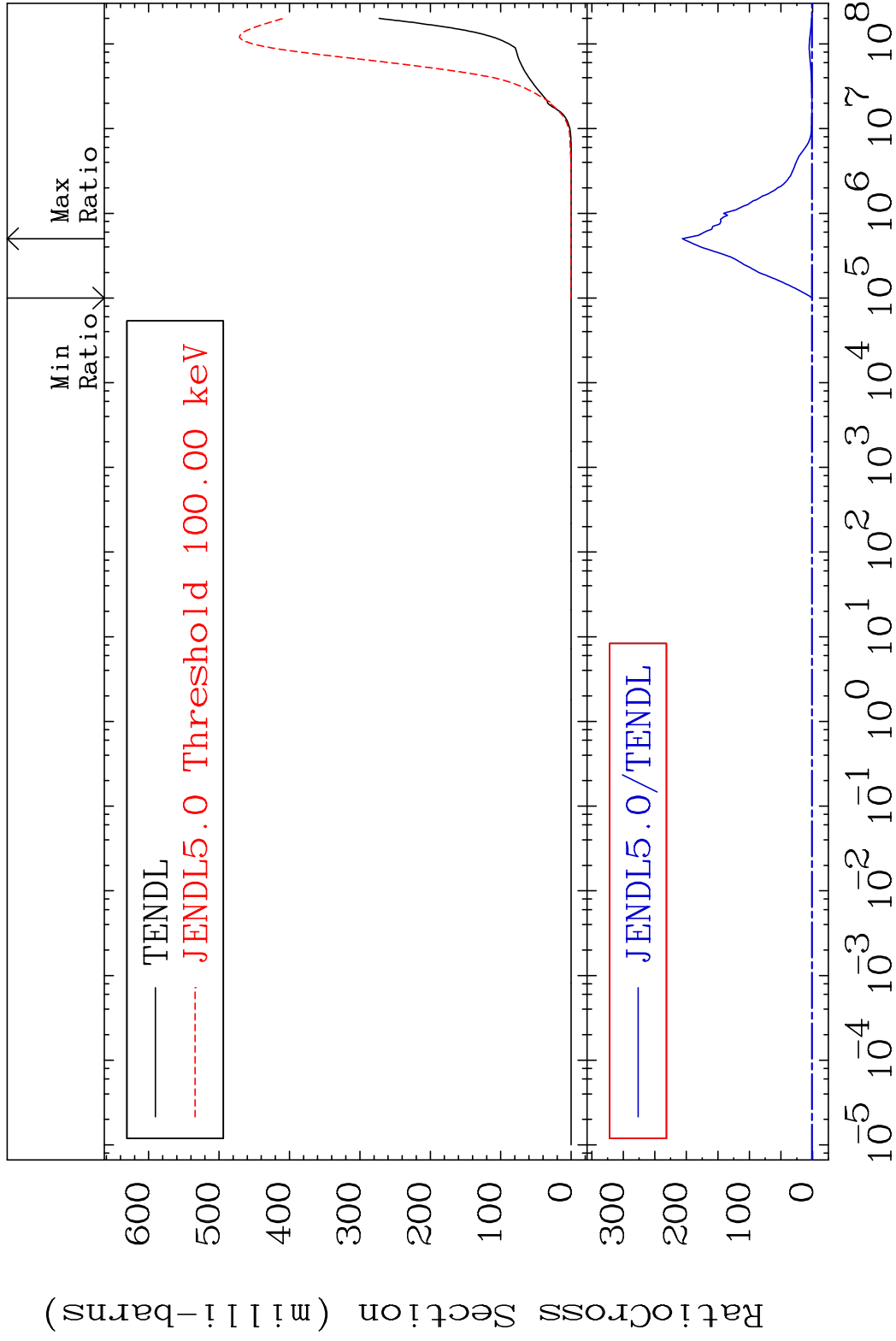
54-Xe-124

MAT 5425

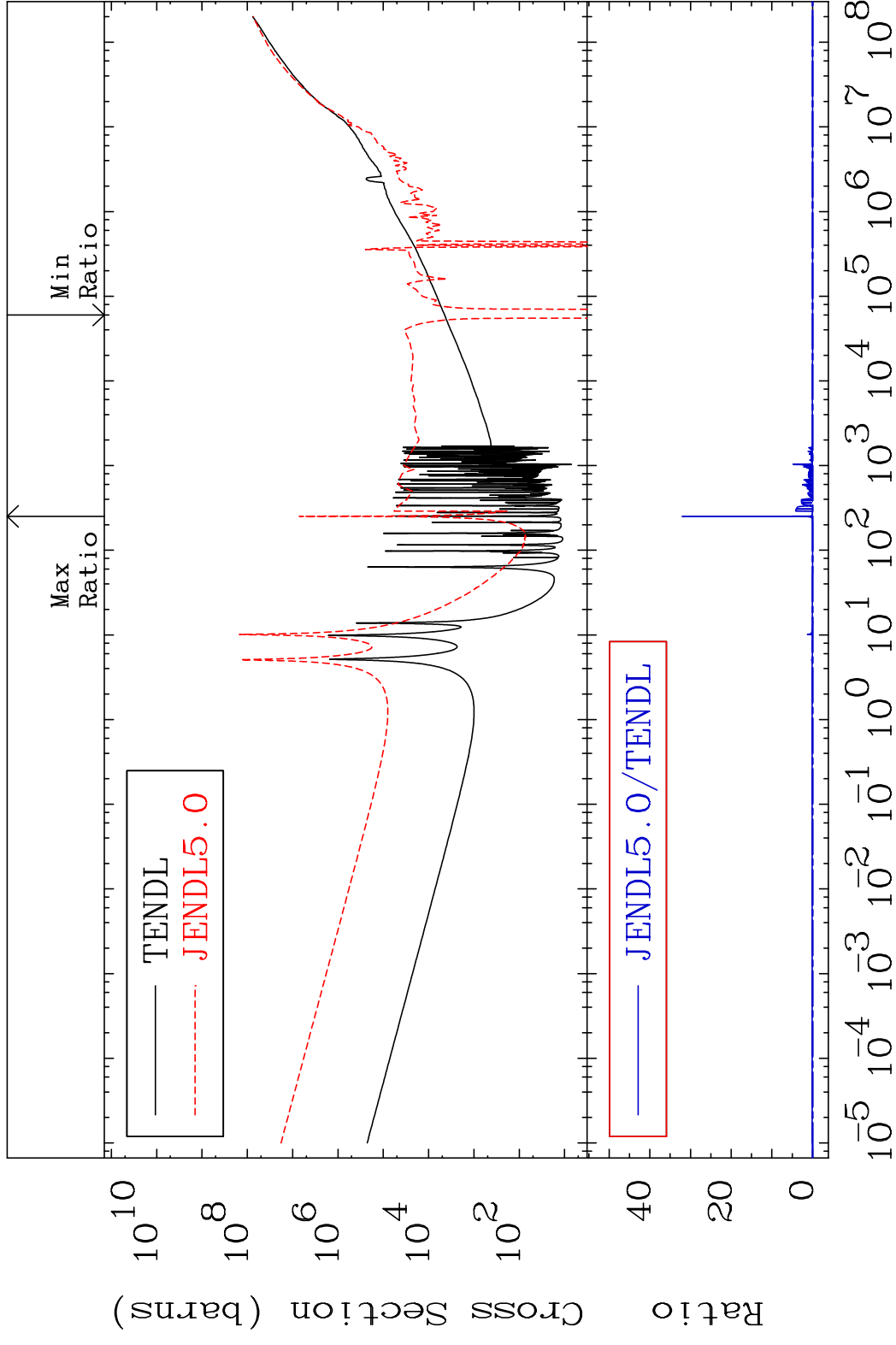
He-4 Production

54-Xe-124

Cross Section -100.0 To 9999. %

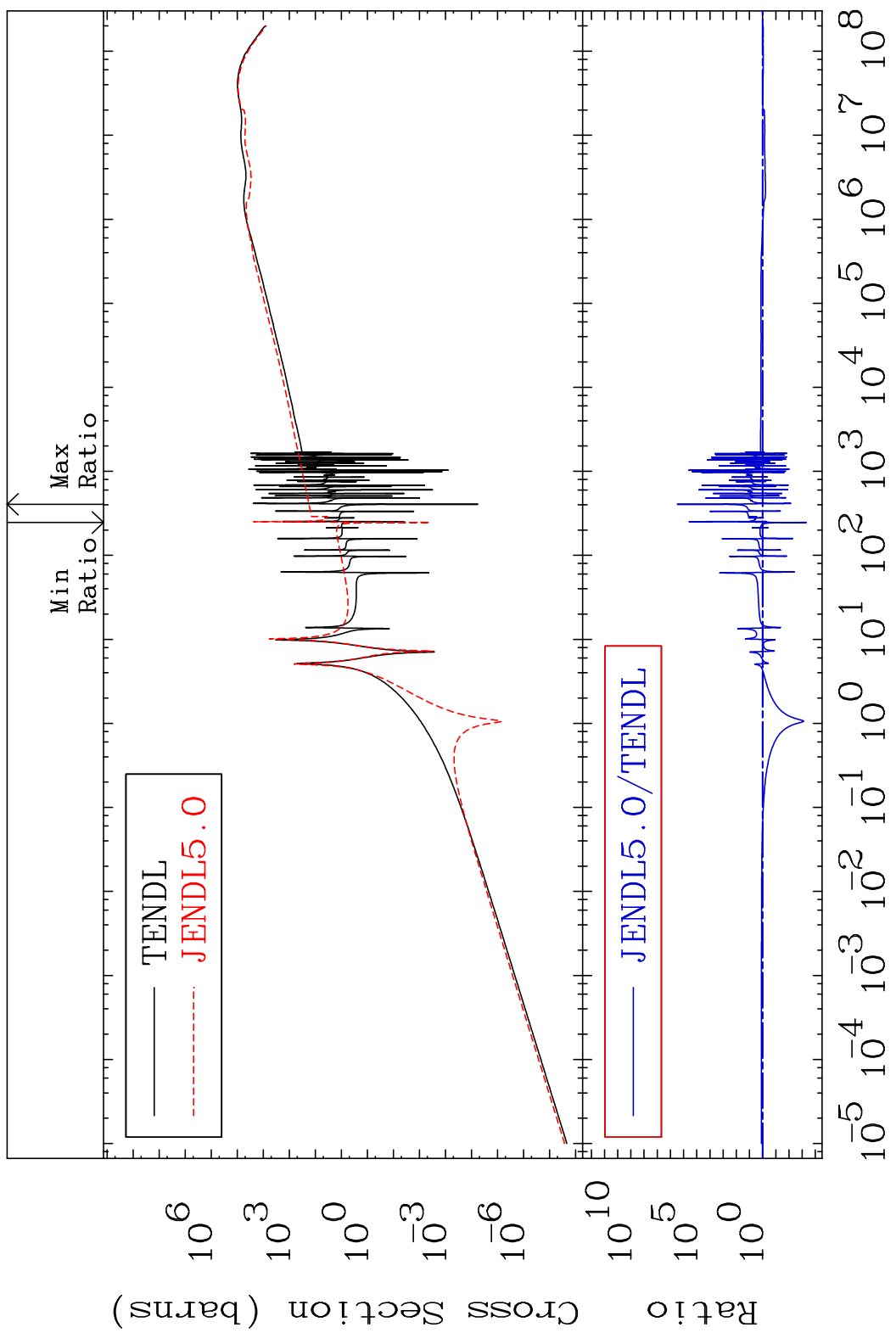


MAT 5425 Kerma total (eV-barns) 54-Xe-124
 Cross Section -271.4 To 9999. %

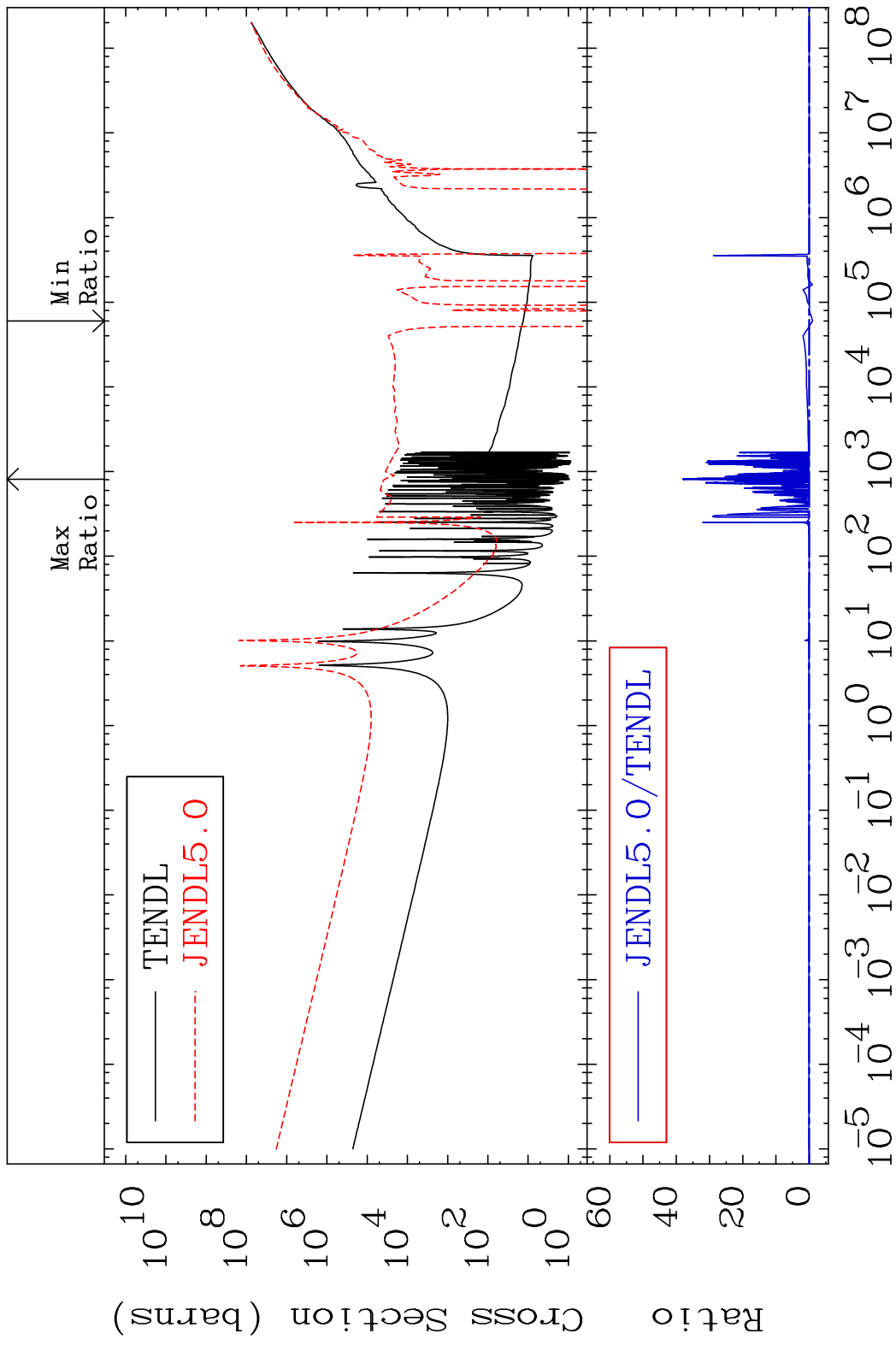


MAT 5425

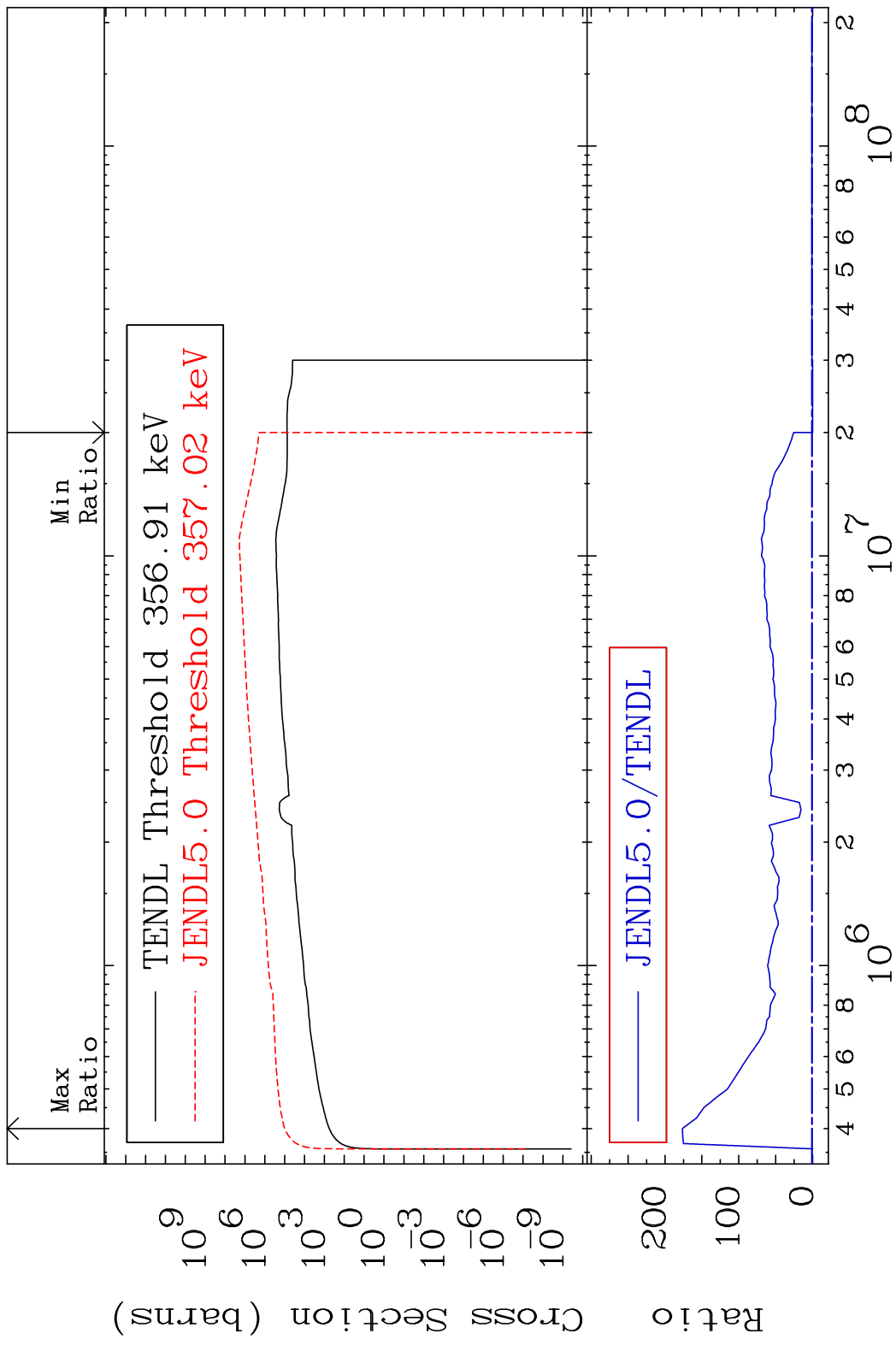
Kerma elastic Cross Section -99.95 To 9999. %
54-Xe-124



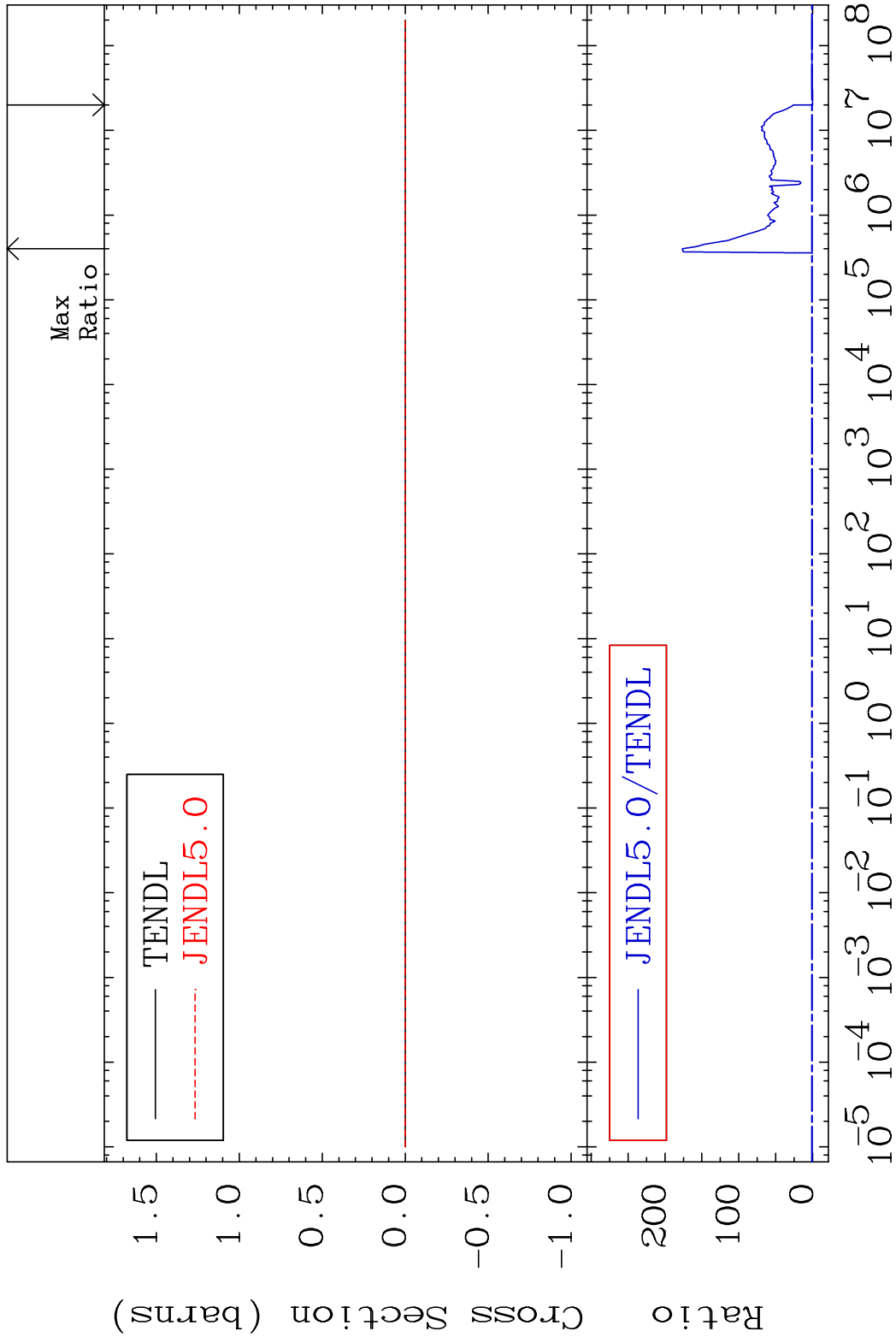
MAT 5425 Kerma non-elastic (all but mt2) 54-Xe-124
 Cross Section -9999. To 9999. %



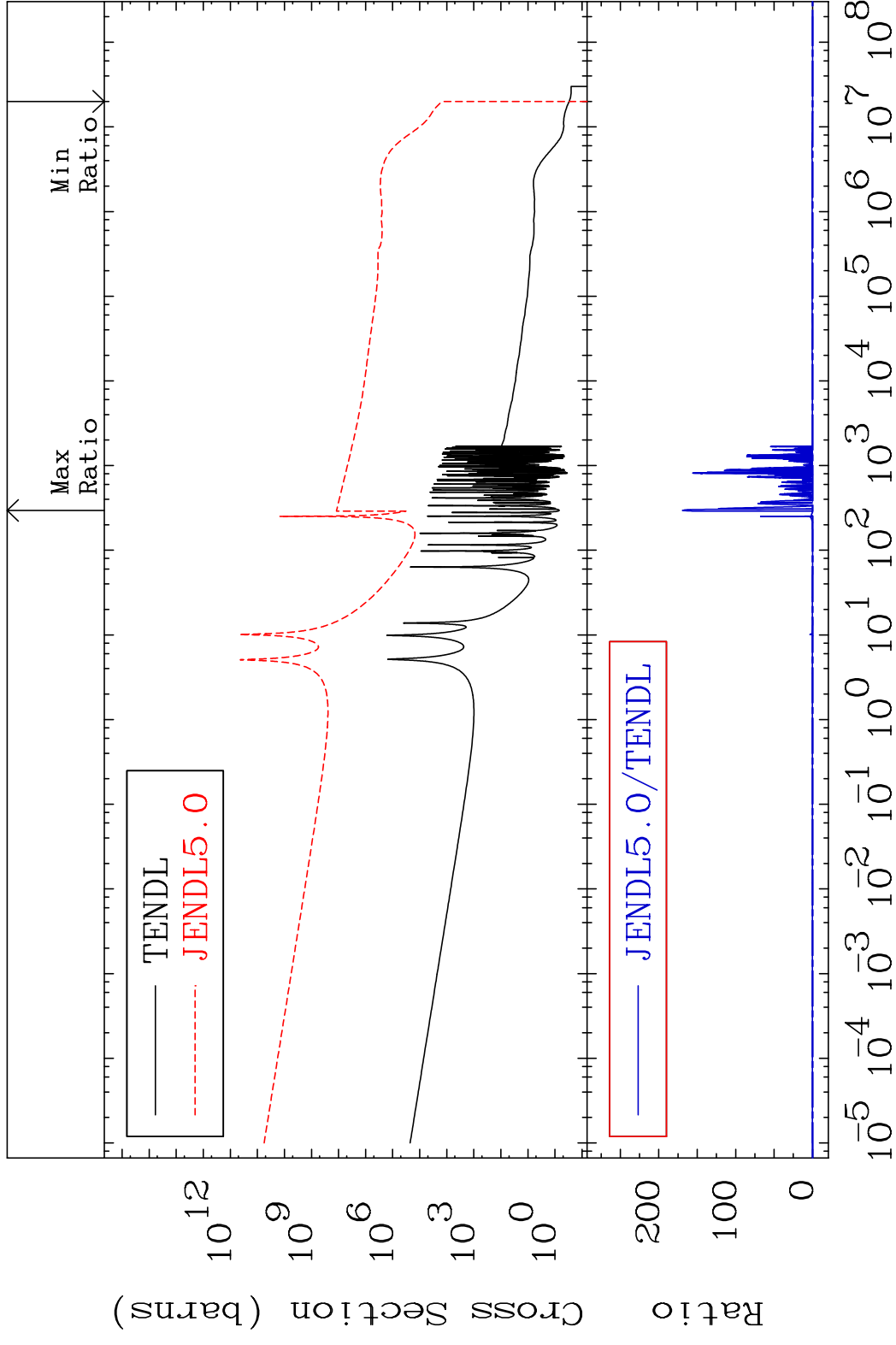
MAT 5425 Kerma inelastic (mt51-91) 54-Xe-124
 Cross Section -100.0 To 9999. %



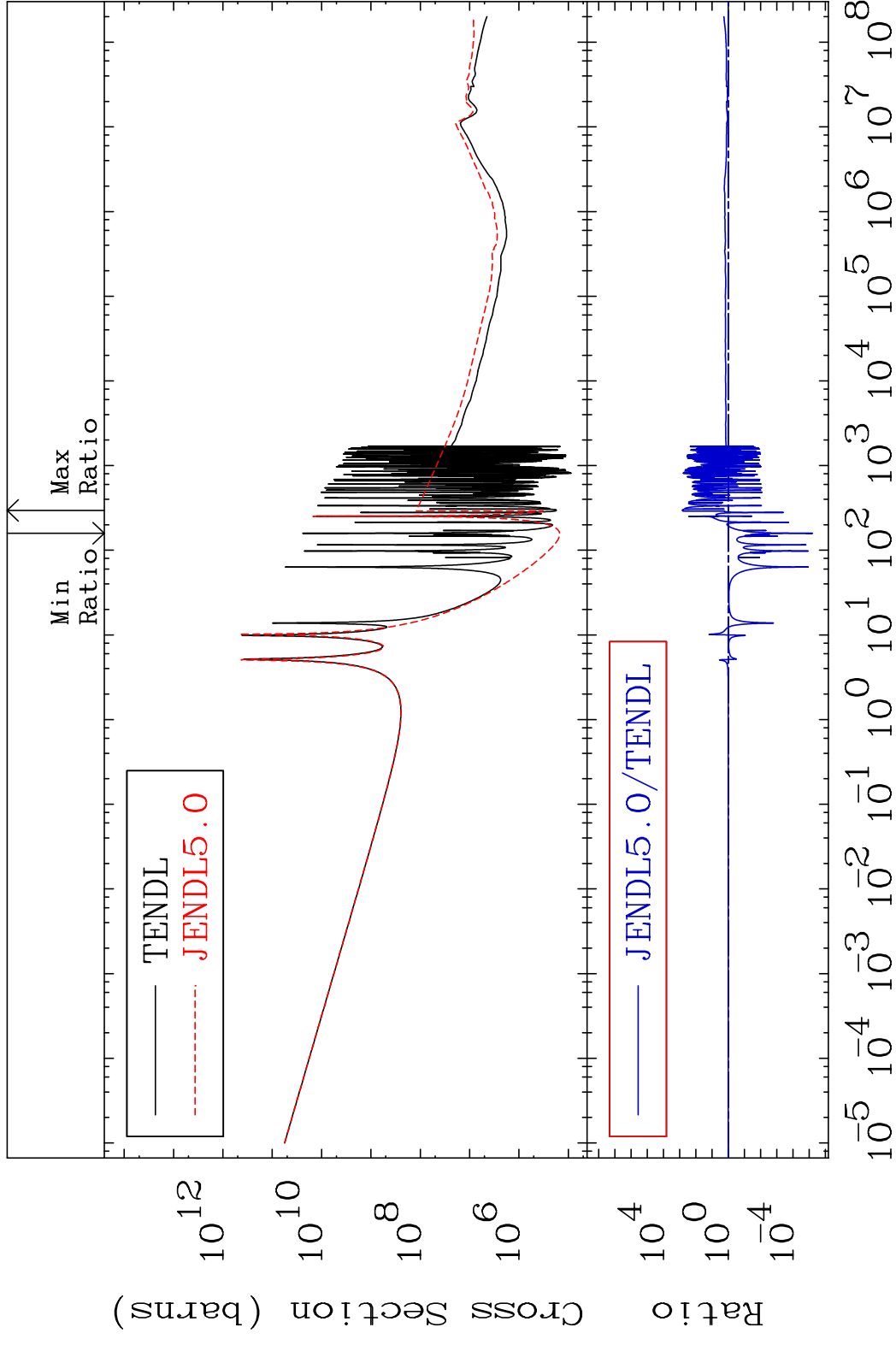
MAT 5425 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-124
 Cross Section -100.0 To 9999. %



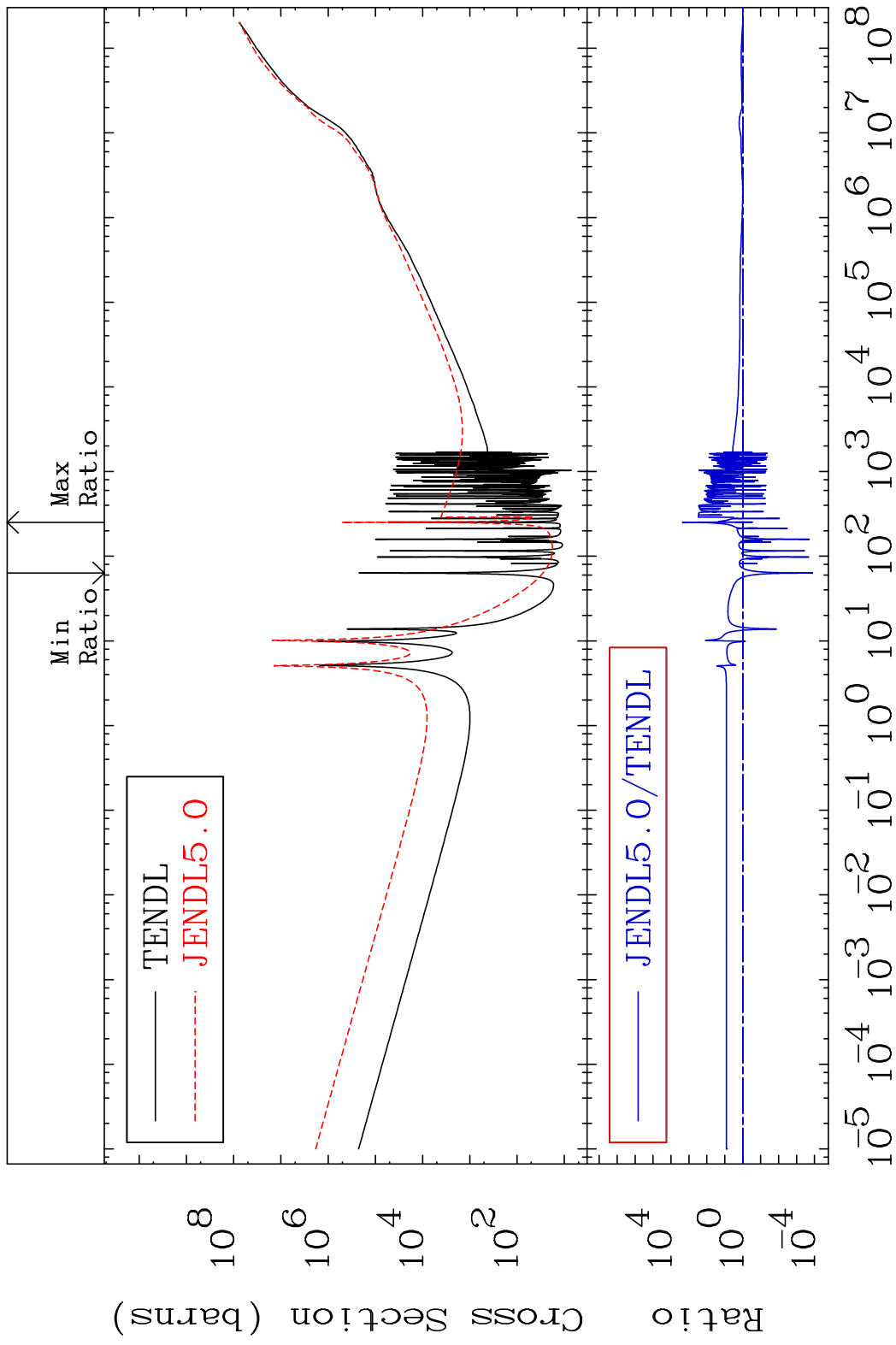
MAT 5425 Kerma capture (mt102) 54-Xe-124
 Cross Section -100.0 To 9999. %



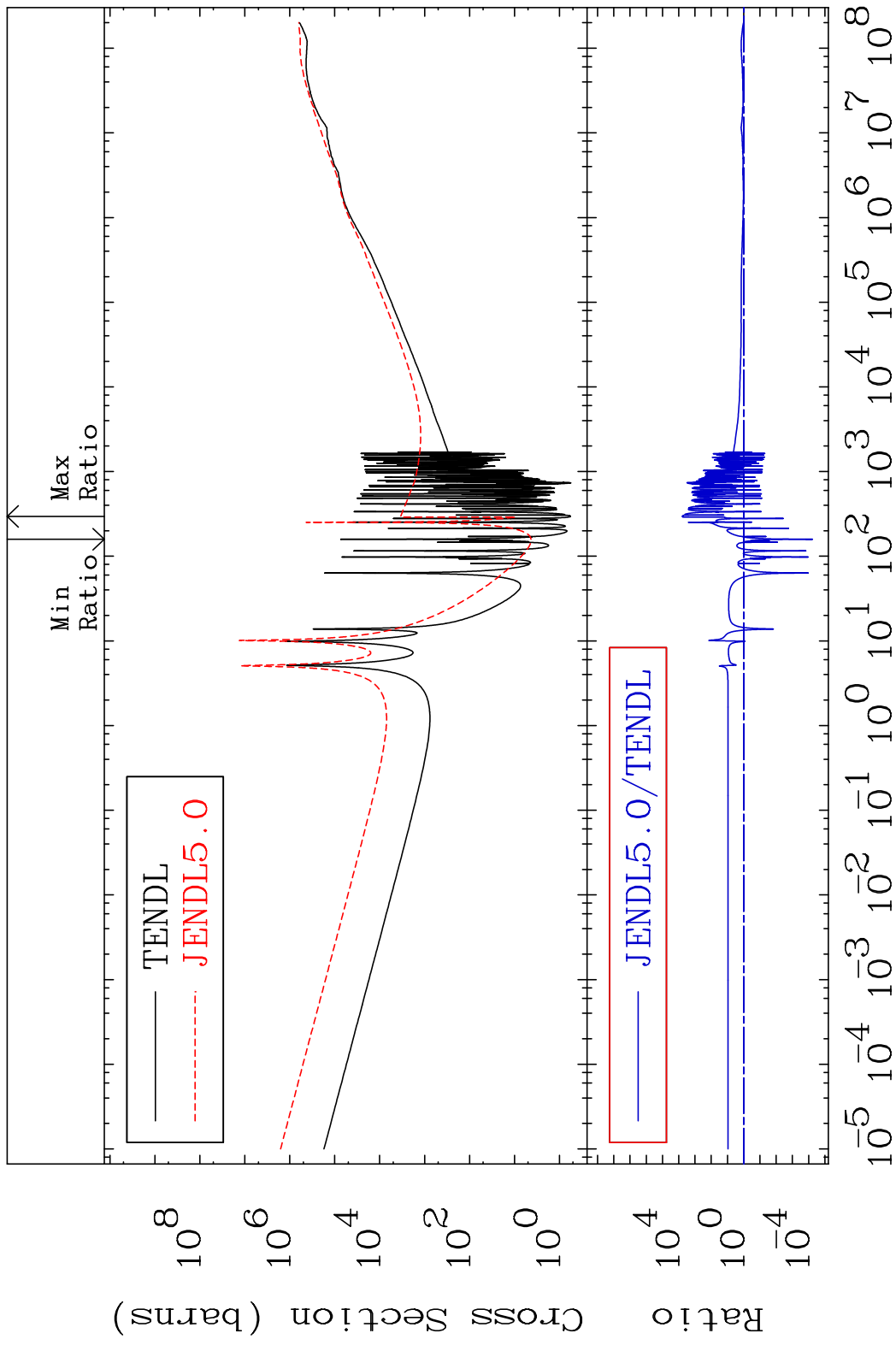
MAT 5425 Total photon (eV-barns) 54-Xe-124
 Cross Section -100.0 To 9999. %



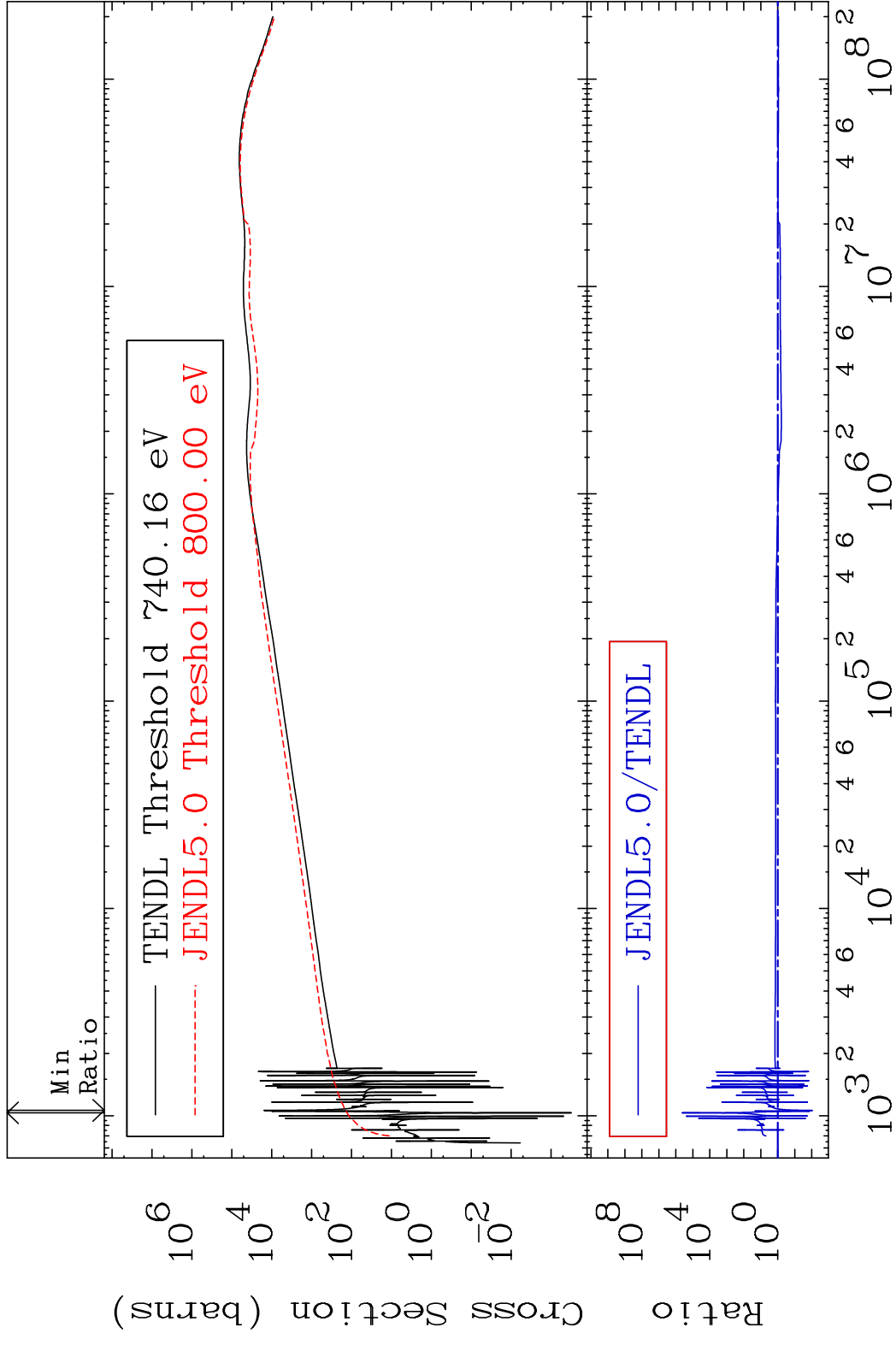
MAT 5425 Total kinematic kerma (high limit) 54-Xe-124
 Cross Section -99.99 To 9999. %



MAT 5425 Dpa total (eV-barns) 54-Xe-124
 Cross Section -99.99 To 9999. %

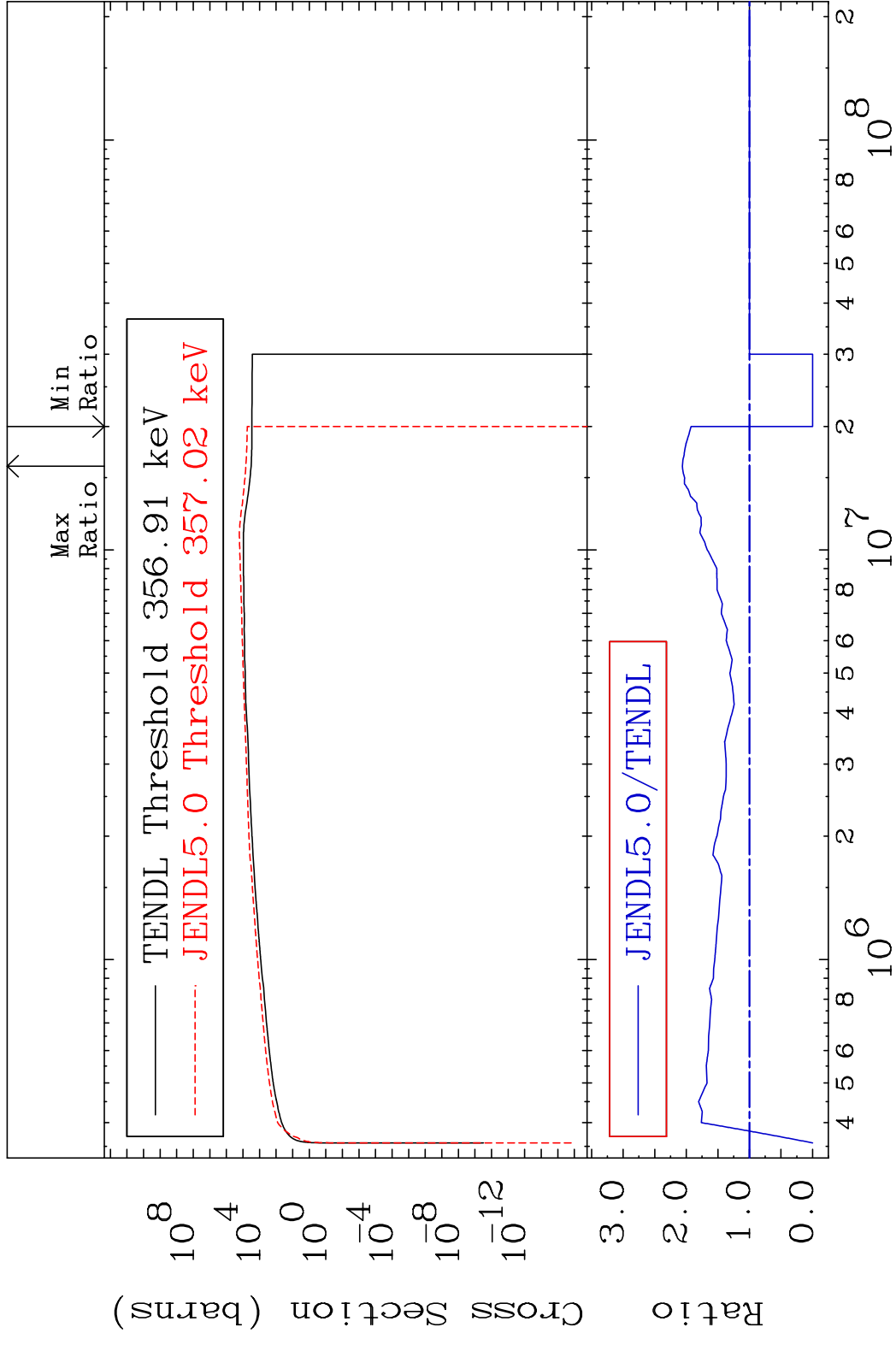


MAT 5425 Dpa elastic (mt2) 54-Xe-124
 Cross Section -99.11 To 9999. %

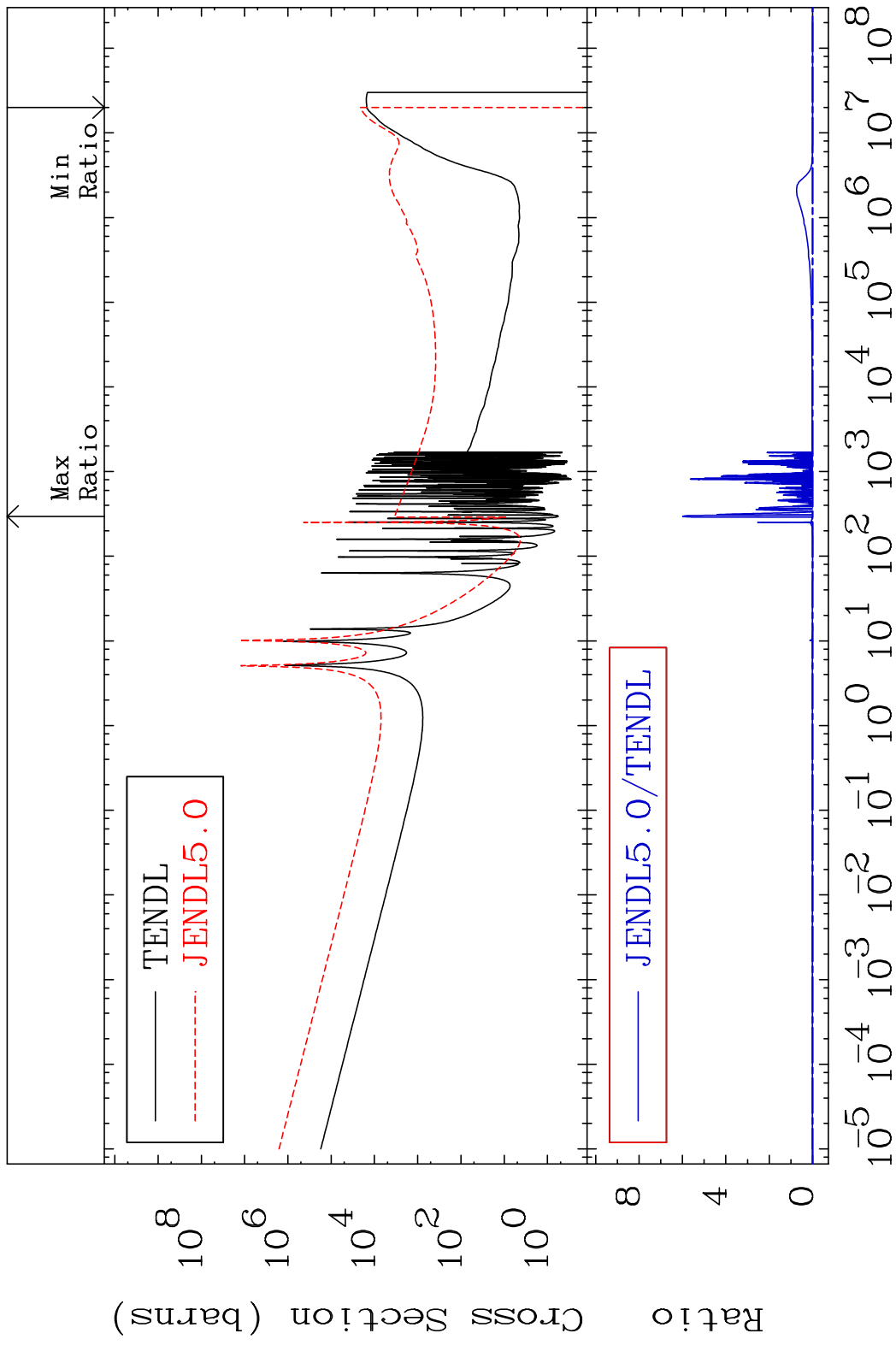


40 Incident Energy (eV) 54-Xe-124

MAT 5425 Dpa inelastic (mt51-91) 54-Xe-124
 Cross Section -100.0 To 106.2 %



MAT 5425 Dpa disappearance (mt102 -120) 54-Xe-124
 Cross Section -100.0 To 9999. %



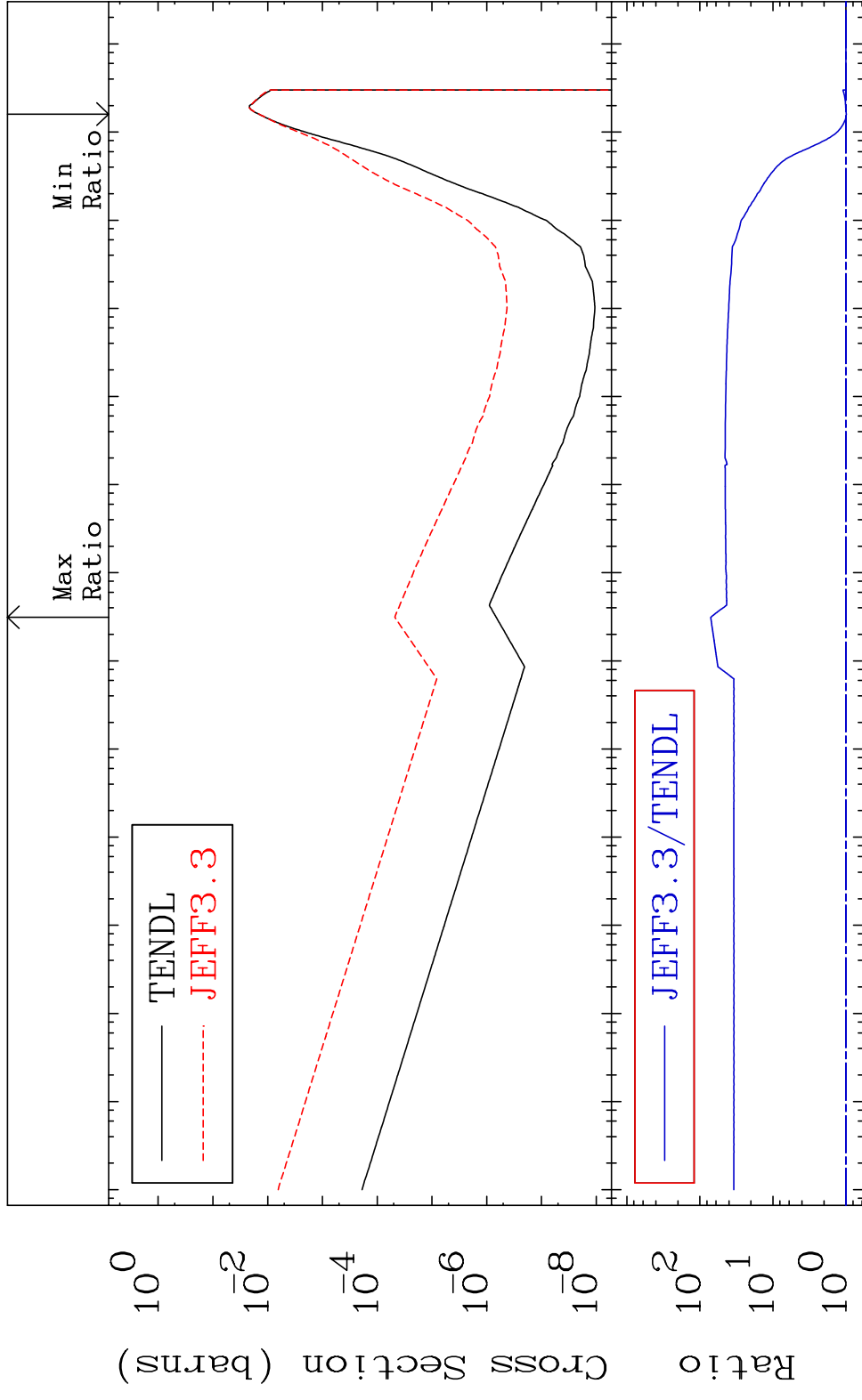
42 Incident Energy (eV) 54-Xe-124

MAT 5425

54-Xe-124

(n, α)

Cross Section -1.217 To 7002. %



43

Incident Energy (eV)

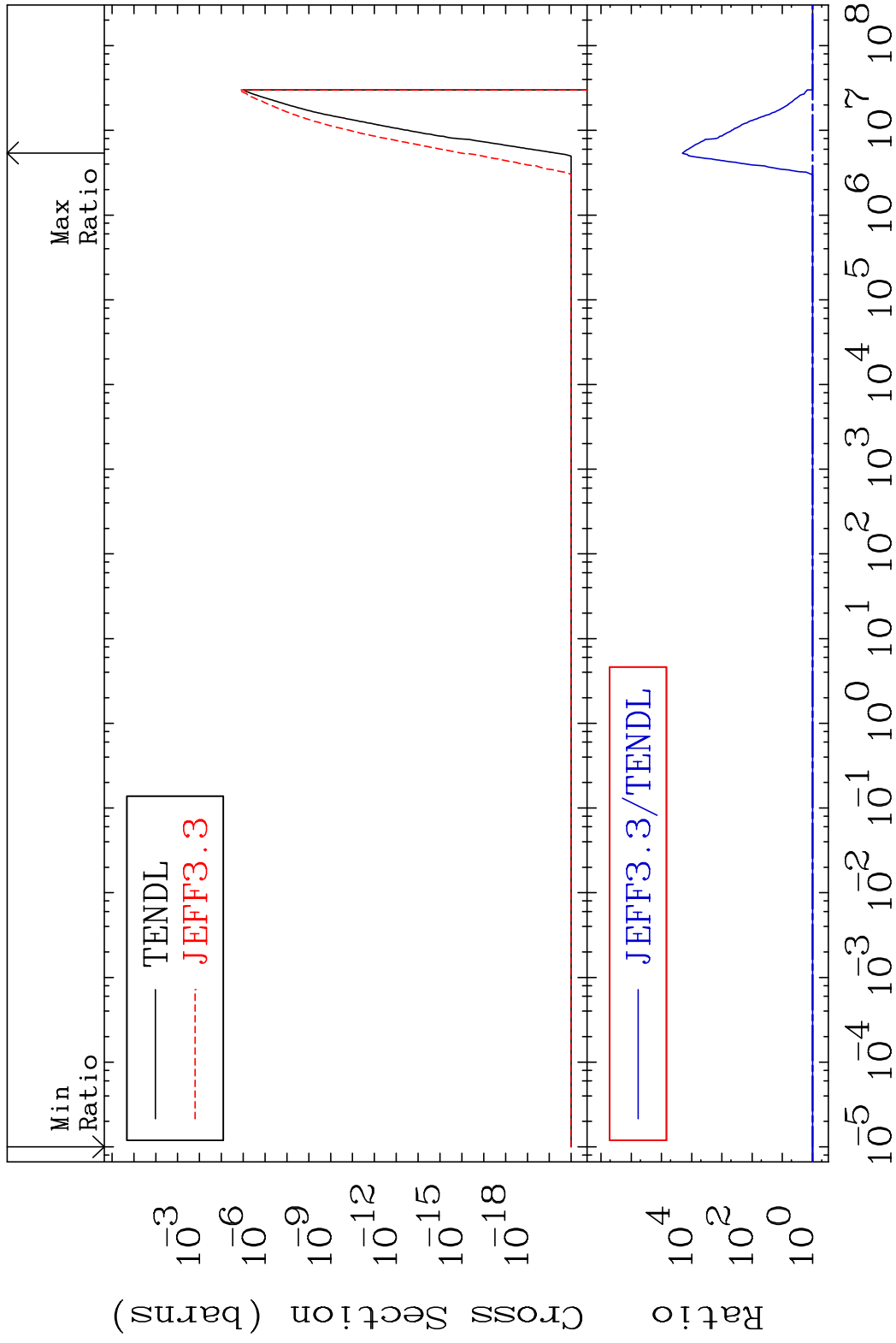
54-Xe-124

MAT 5425

(n,2α)

54-Xe-124

Cross Section 0.000 To 9999. %

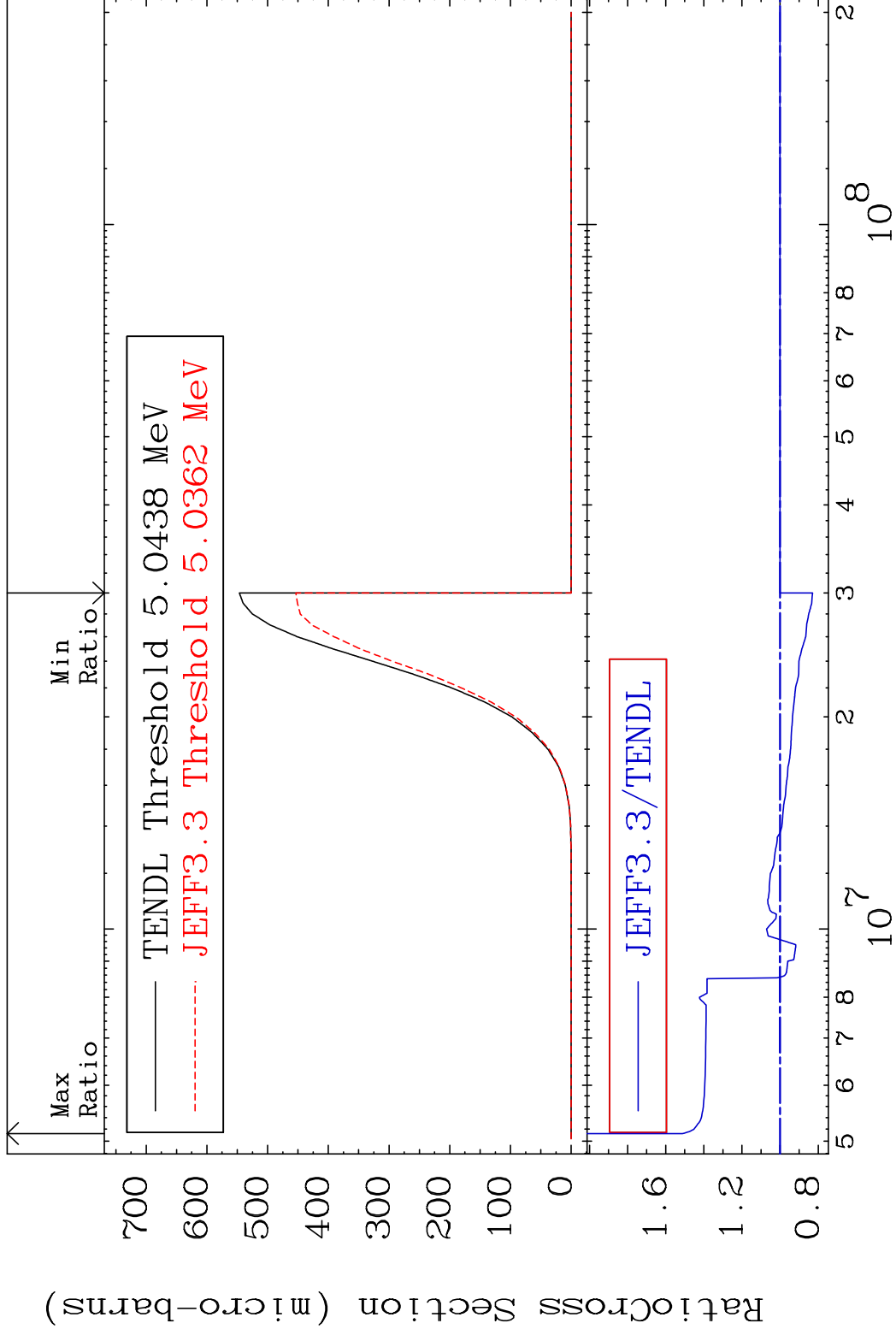


MAT 5425

(n,2p)

54-Xe-124

Cross Section -17.03 To 51.27 %



45

Incident Energy (eV)

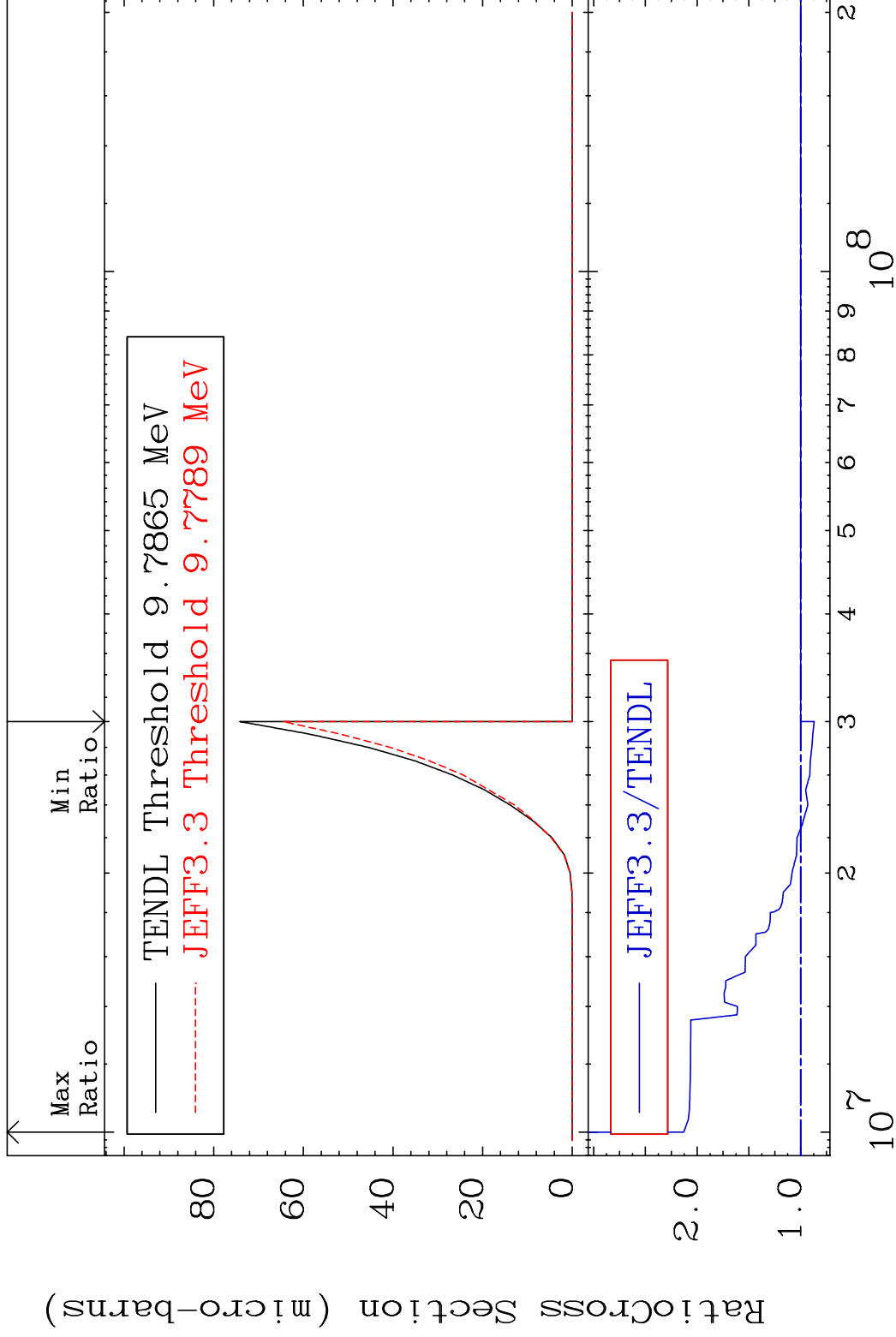
54-Xe-124

MAT 5425

(n,p) d

54-Xe-124

Cross Section -12.97 To 113.0 %



47

Incident Energy (eV)

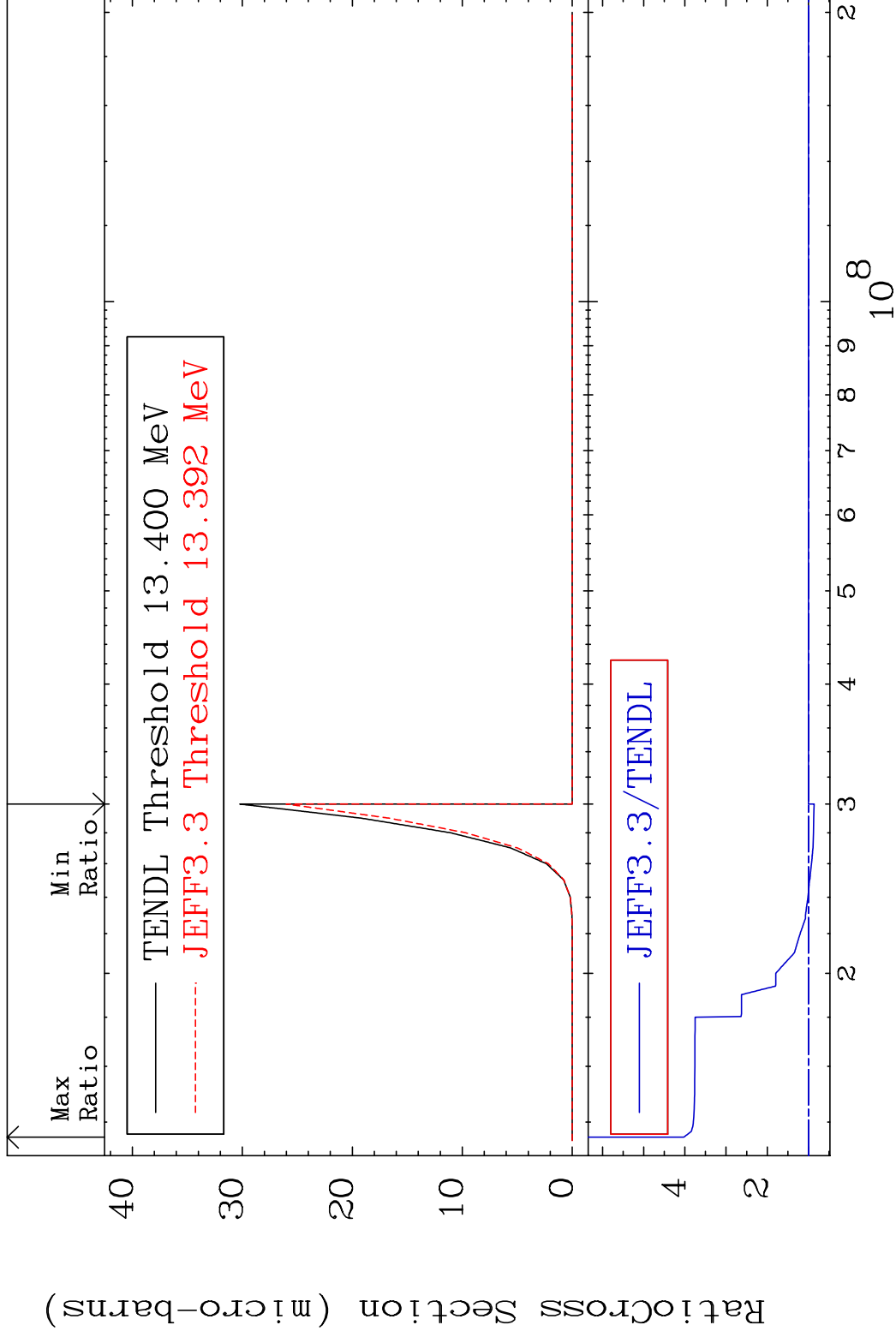
54-Xe-124

MAT 5425

(n,p) t

54-Xe-124

Cross Section -13.94 To 303.0 %



48

Incident Energy (eV)

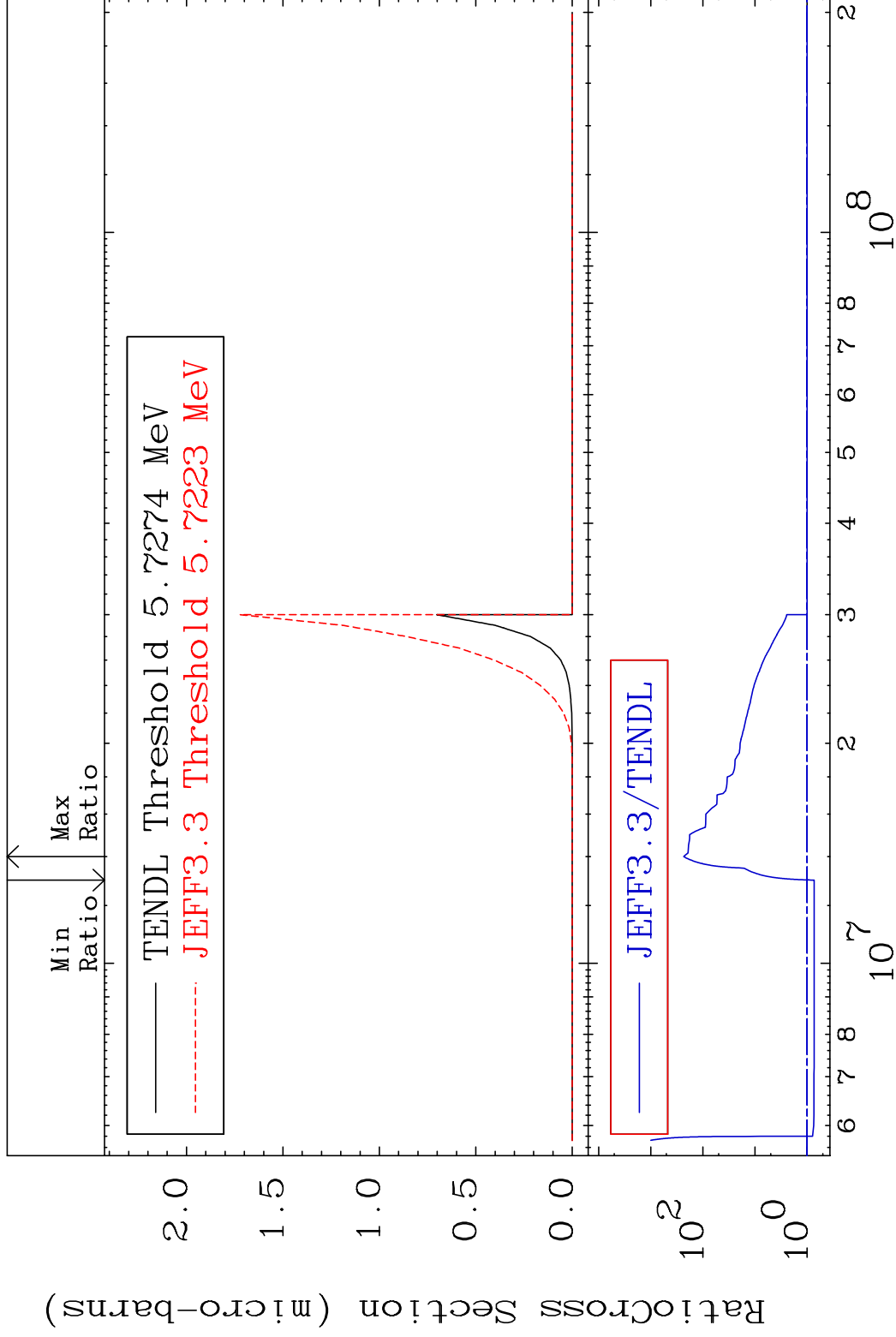
54-Xe-124

MAT 5425

(n,d) α

54-Xe-124

Cross Section -26.59 To 9999. %



49

Incident Energy (eV)

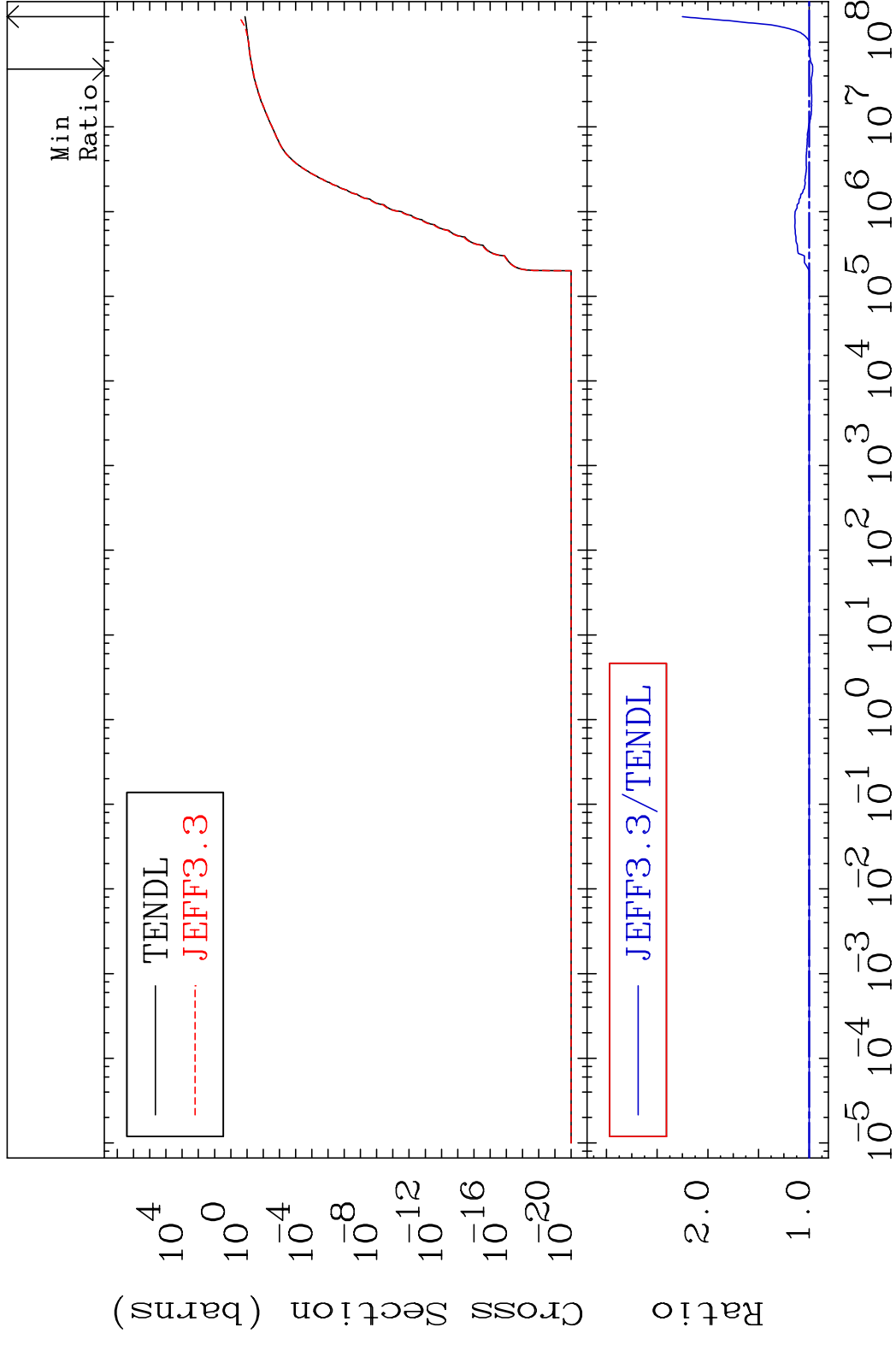
54-Xe-124

MAT 5425

Hydrogen Production

54-Xe-124

Cross Section -3.273 To 125.1 %



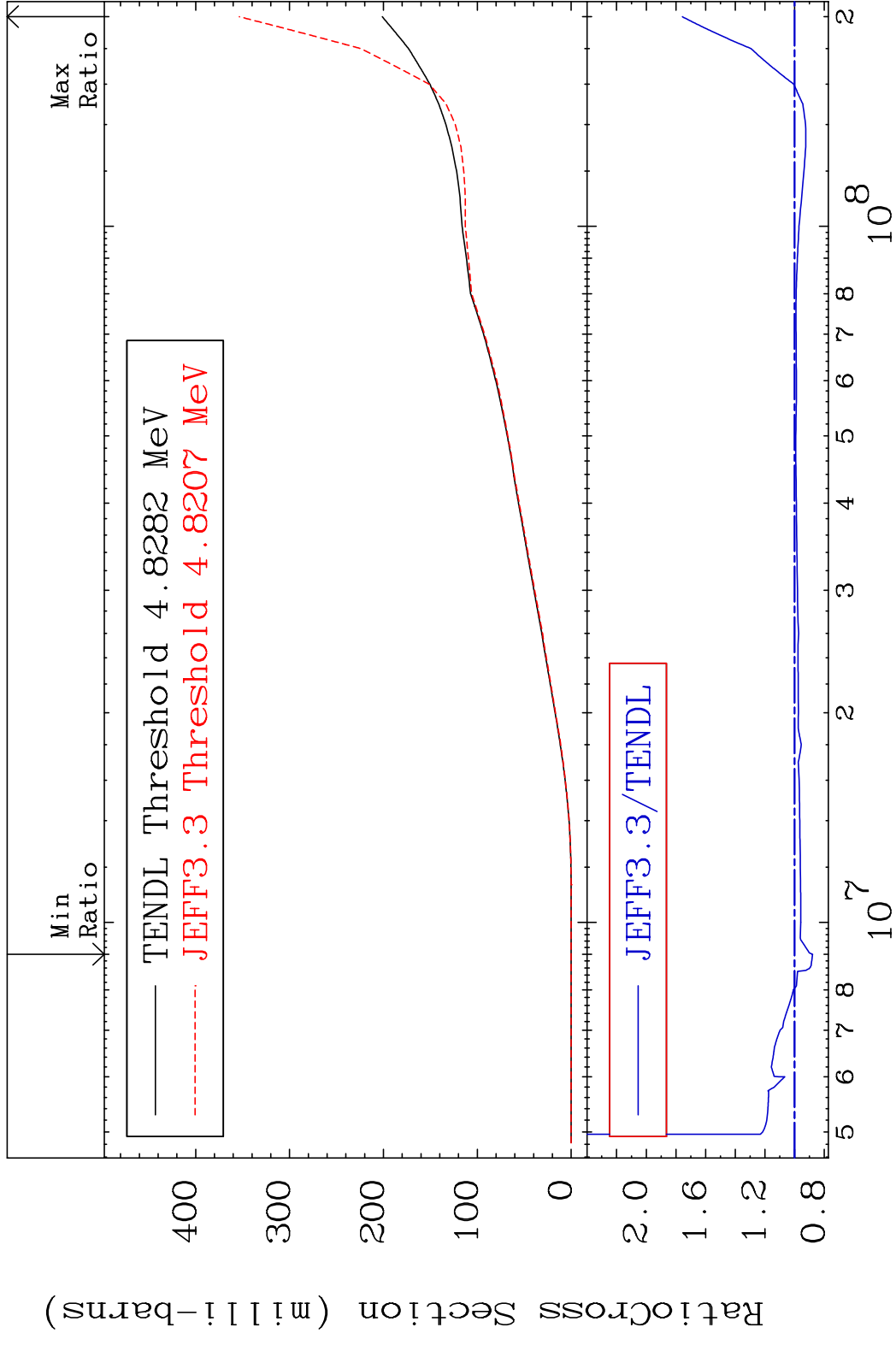
50

Incident Energy (eV)

54-Xe-124

MAT 5425

Deuterium Production 54-Xe-124
Cross Section -12.14 To 75.66 %

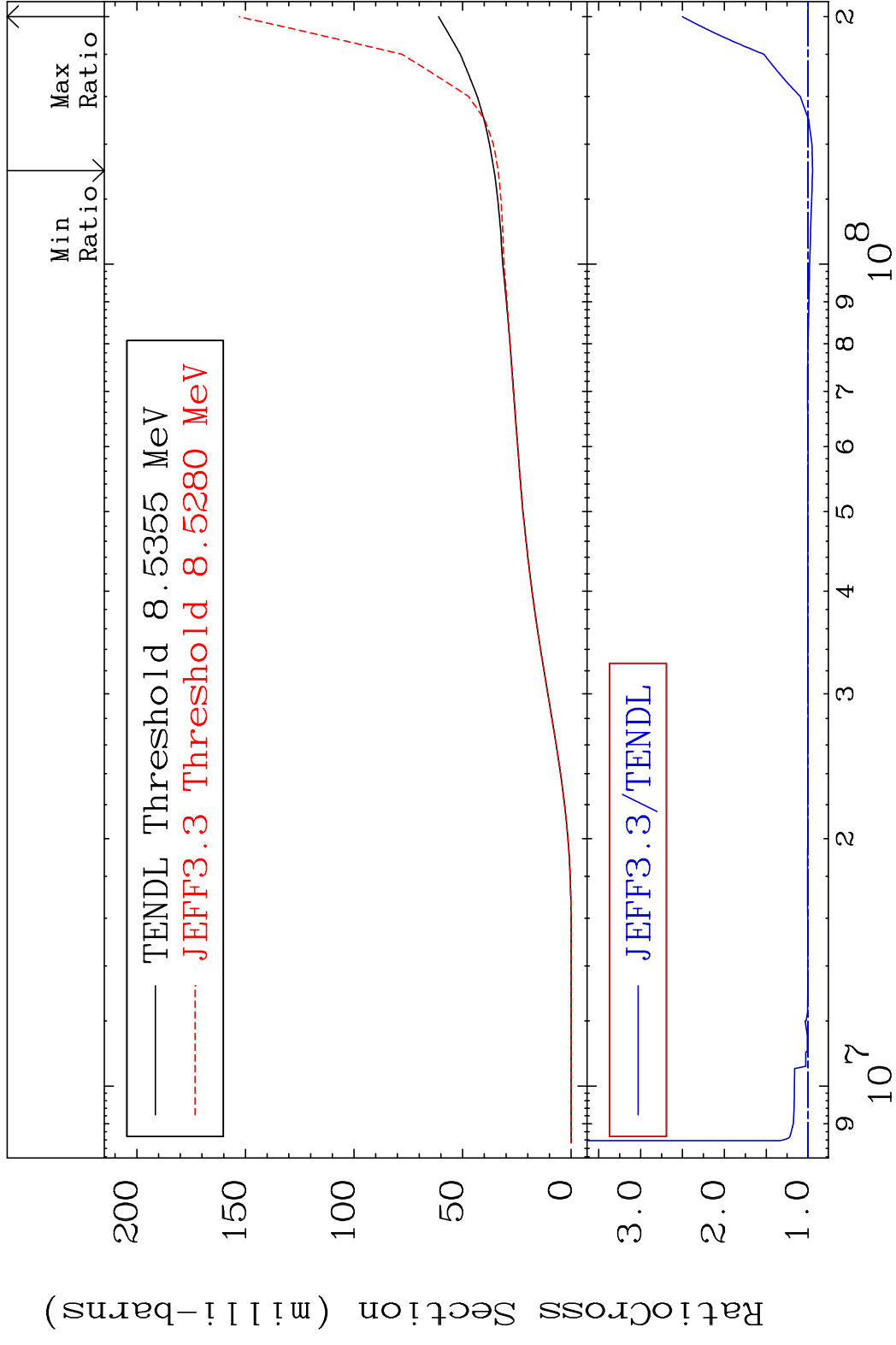


MAT 5425

Tritium Production

54-Xe-124

Cross Section -5.359 To 150.1 %

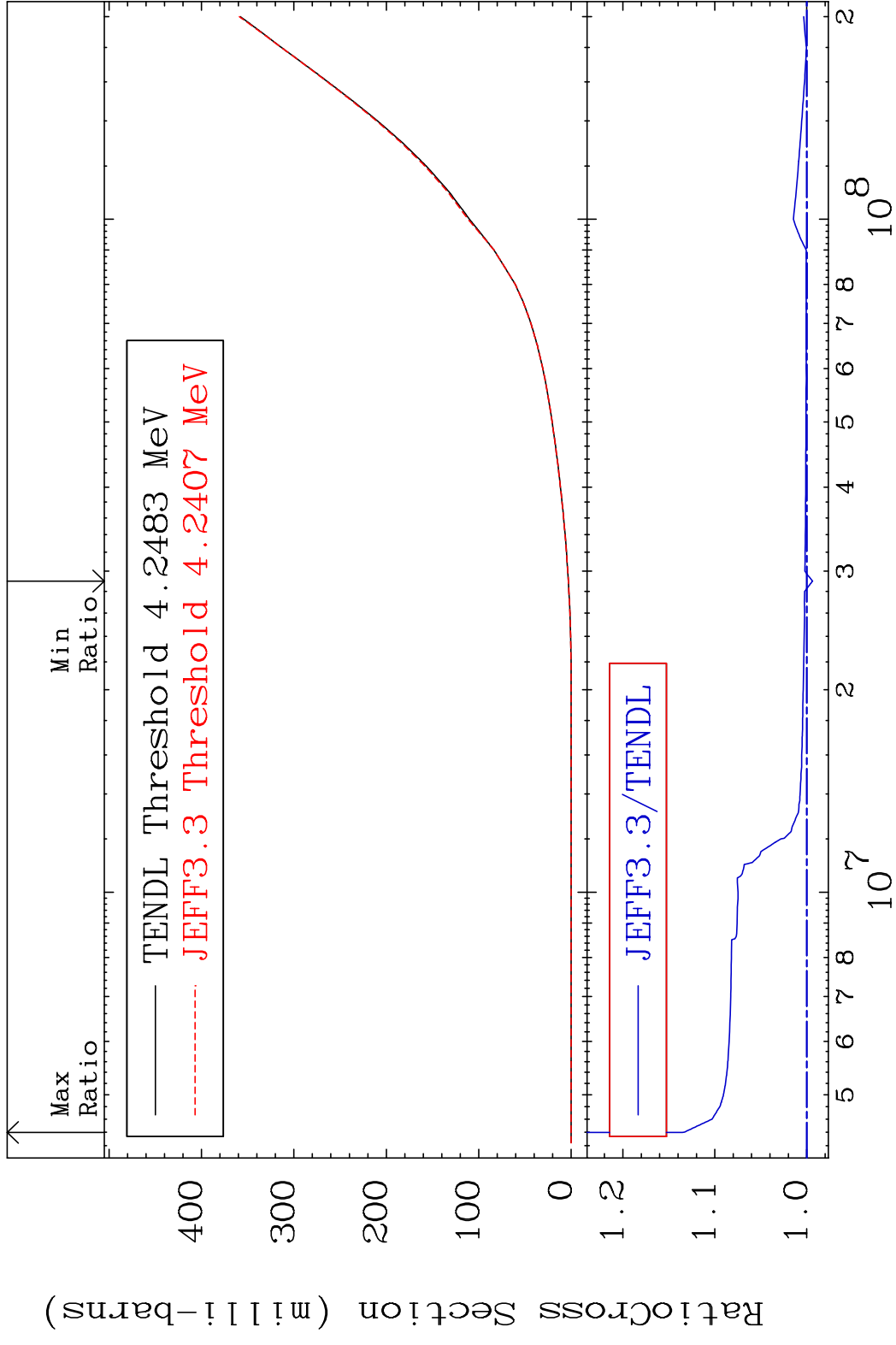


MAT 5425

He-3 Production

54-Xe-124

Cross Section -0.636 To 13.53 %

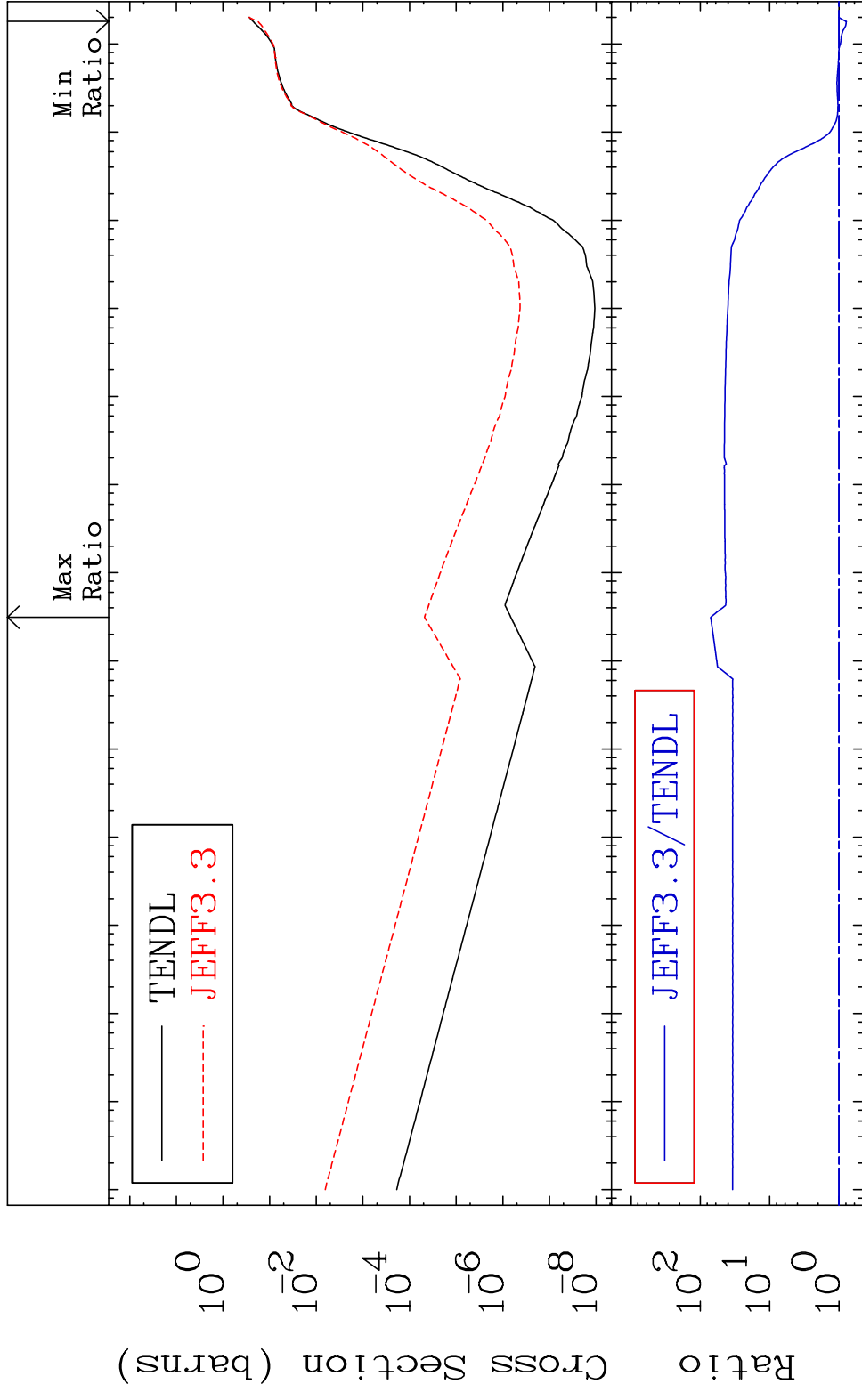


MAT 5425

He-4 Production

54-Xe-124

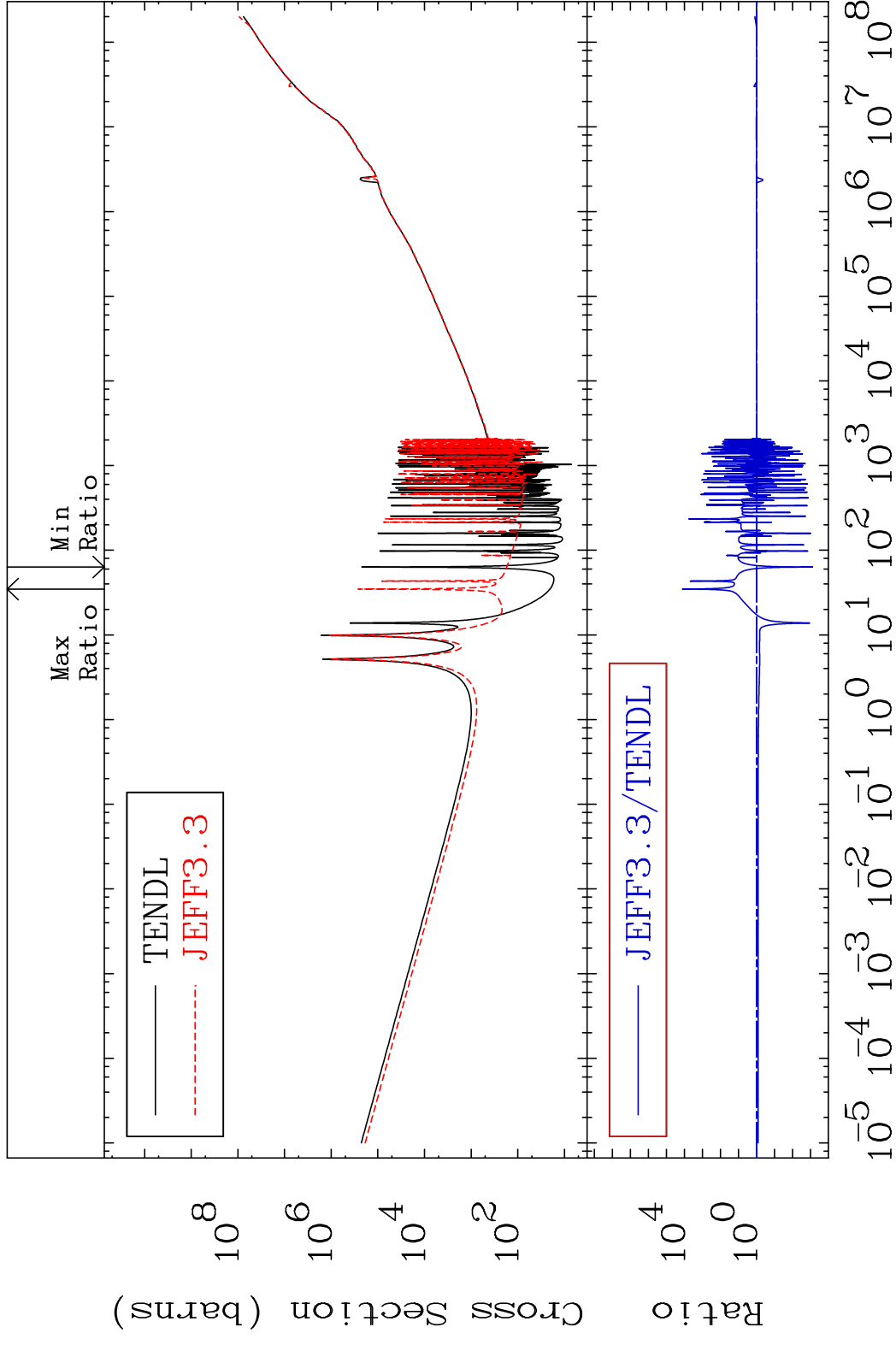
Cross Section -21.38 To 7002. %



MAT 5425

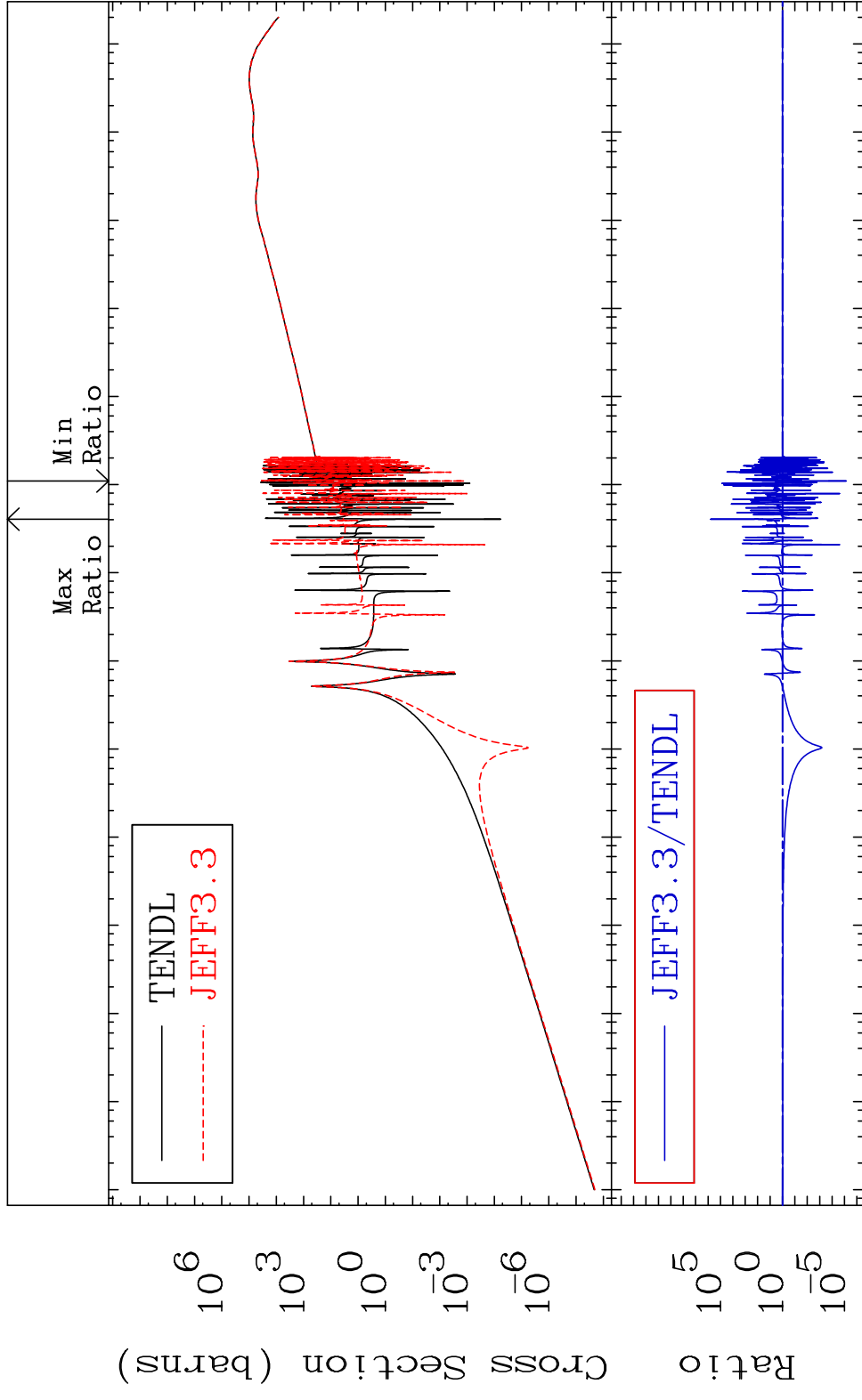
Kerma total (eV-barns) 54-Xe-124

Cross Section -99.92 To 9999. %

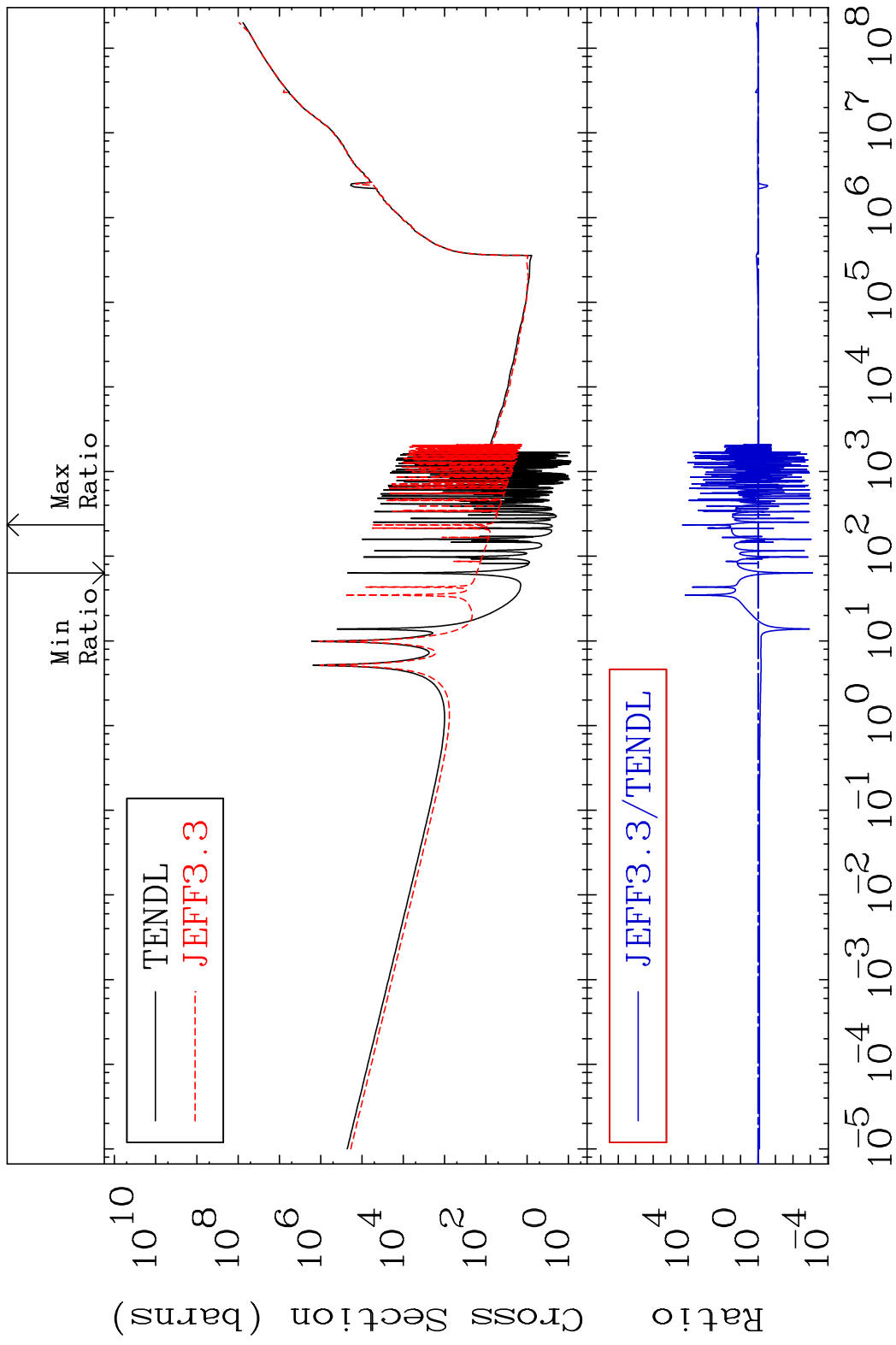


MAT 5425

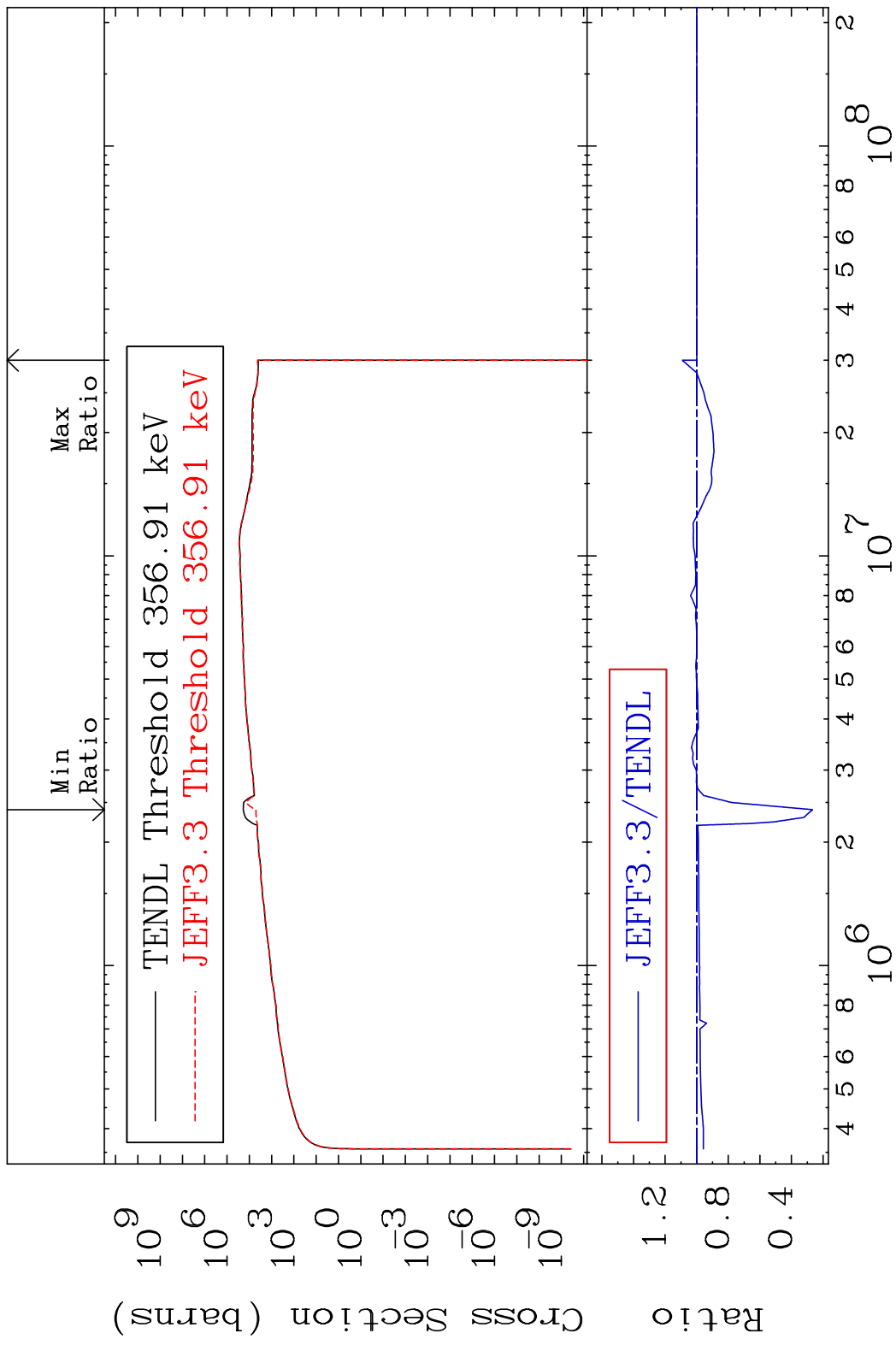
Kerma elastic
Cross Section -100.0 To 9999. %
54-Xe-124



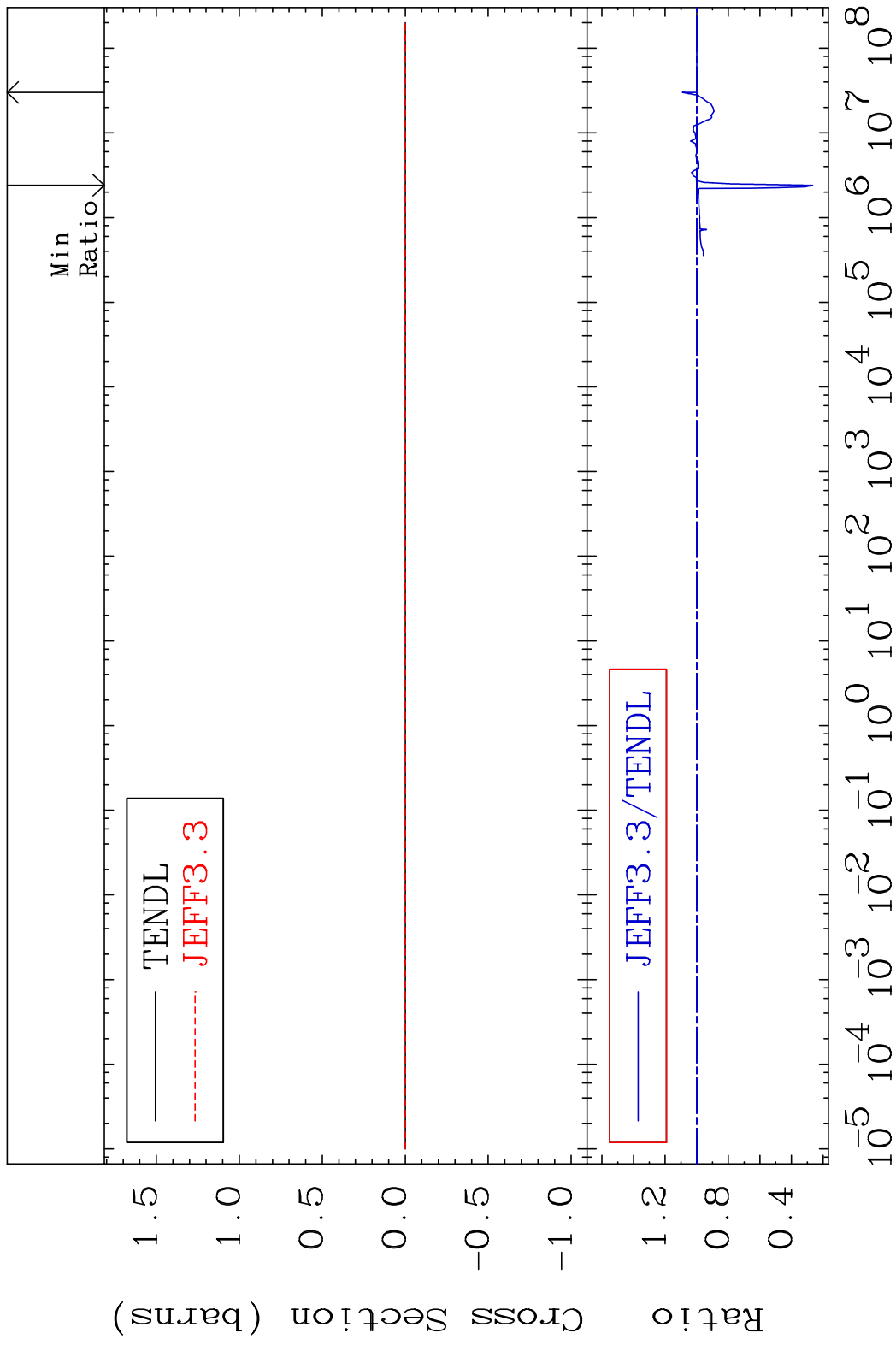
MAT 5425 Kerma non-elastic (all but mt2) 54-Xe-124
 Cross Section -99.92 To 9999. %



MAT 5425 Kerma inelastic (mt51-91) 54-Xe-124
 Cross Section -73.32 To 9.111 %

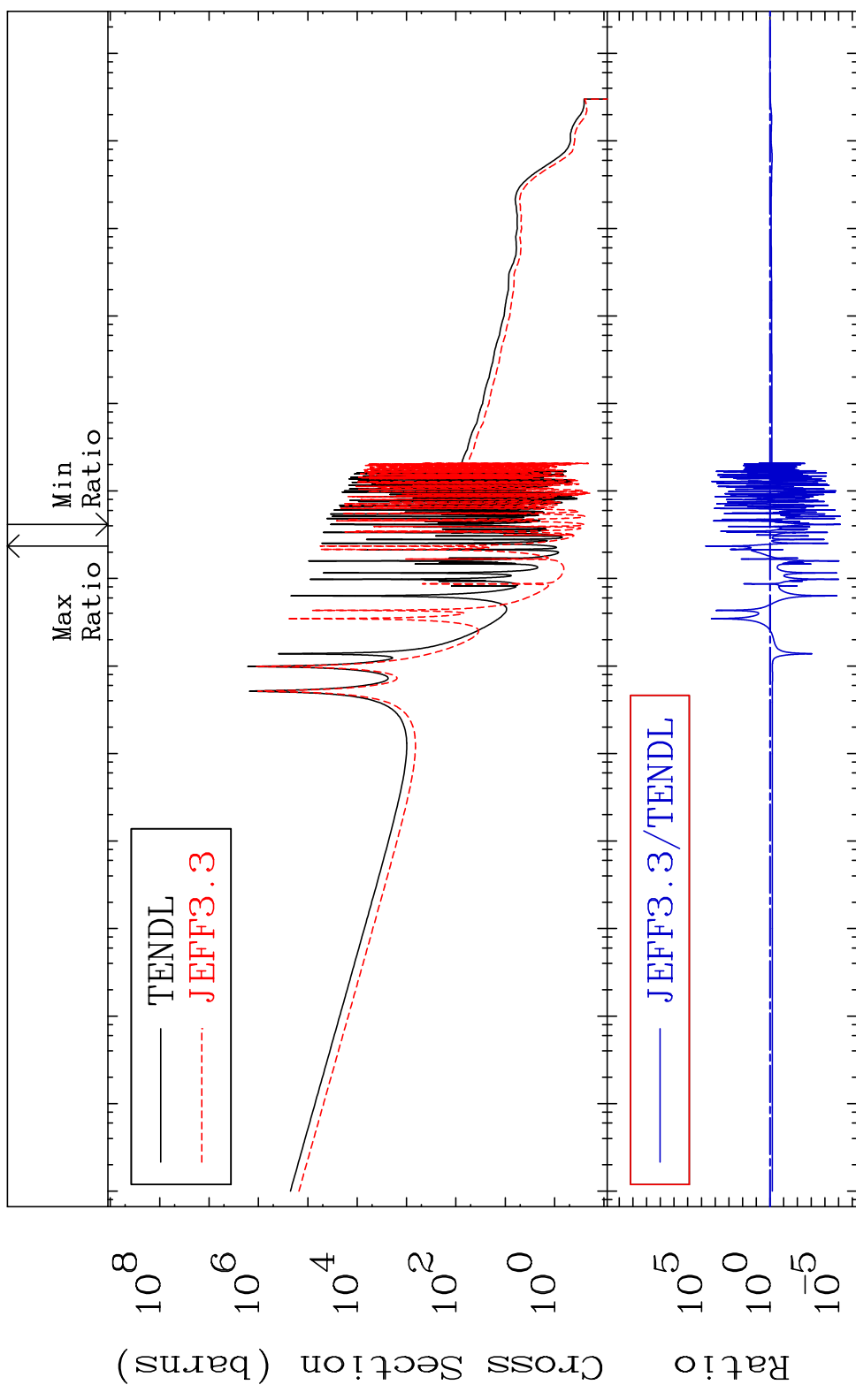


MAT 5425 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-124
 Cross Section -73.32 To 9.111 %



MAT 5425

Kerma capture (mt102) 54-Xe-124
Cross Section -100.0 To 9999. %

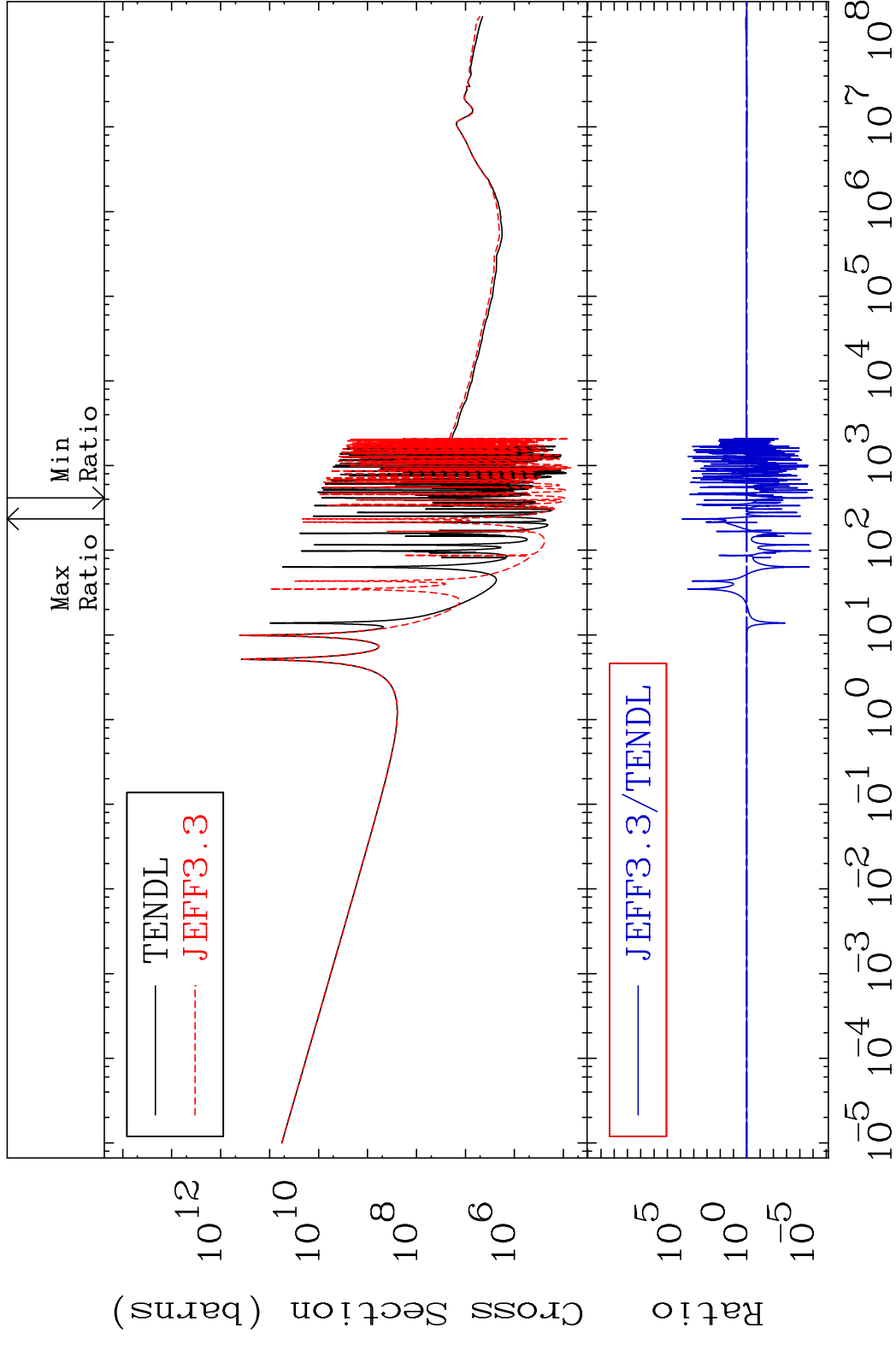


60

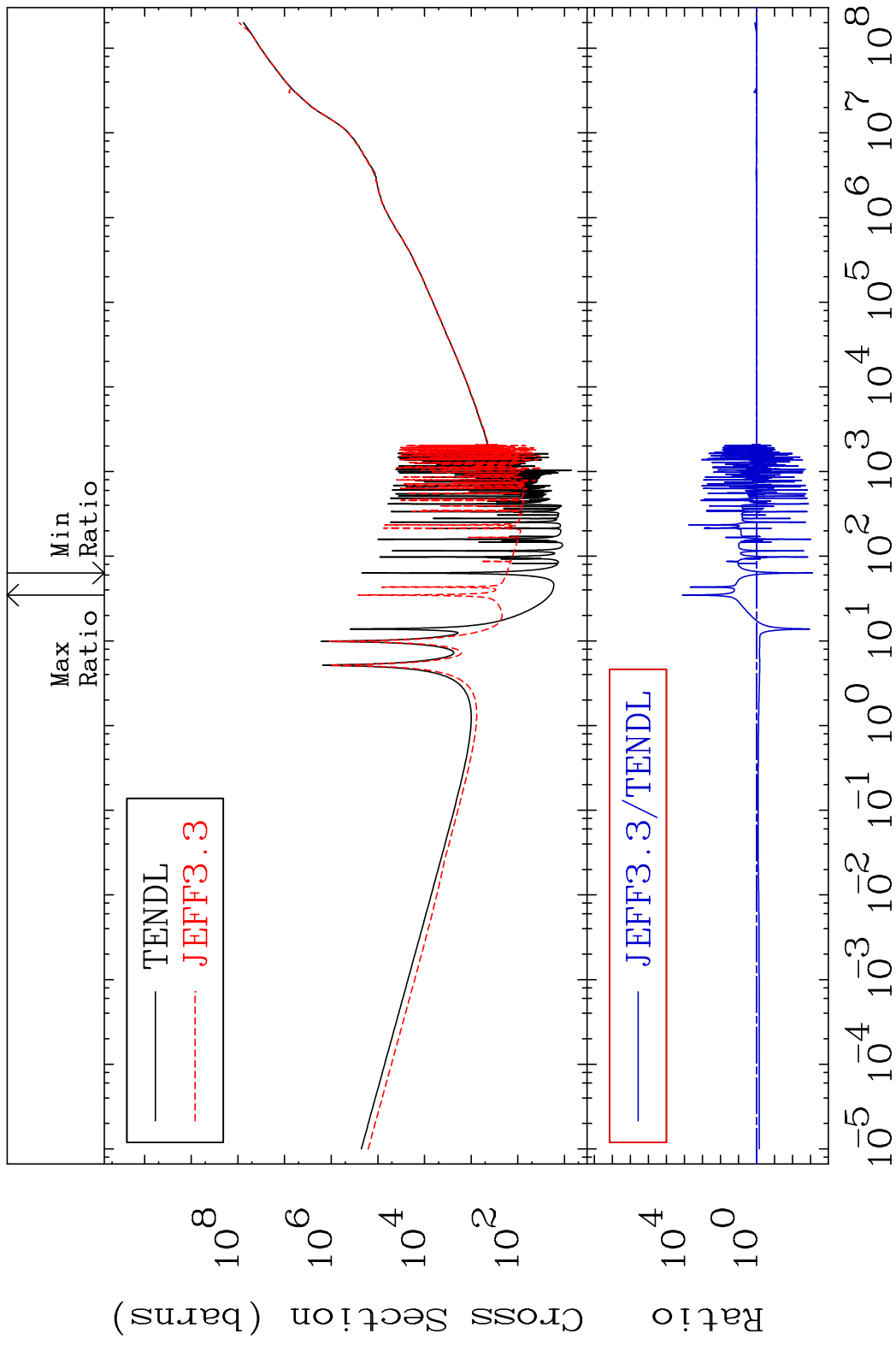
Incident Energy (eV)

54-Xe-124

MAT 5425 Total photon (eV-barns) 54-Xe-124
 Cross Section -100.0 To 9999. %



MAT 5425 Total kinematic kerma (high limit) 54-Xe-124
 Cross Section -99.92 To 9999. %

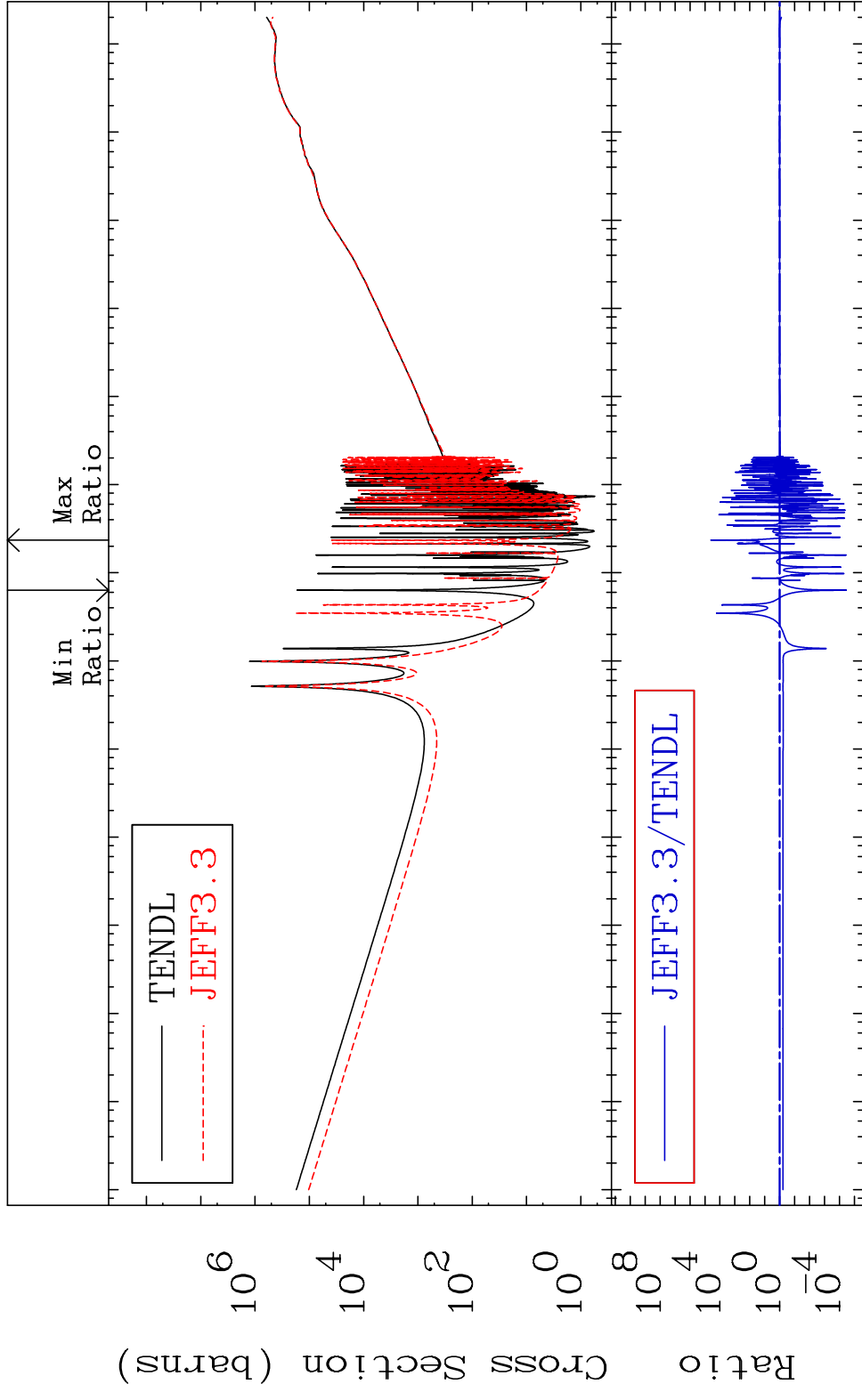


MAT 5425

Dpa total (eV-barns)

54-Xe-124

Cross Section -100.0 To 9999. %



63

Incident Energy (eV)

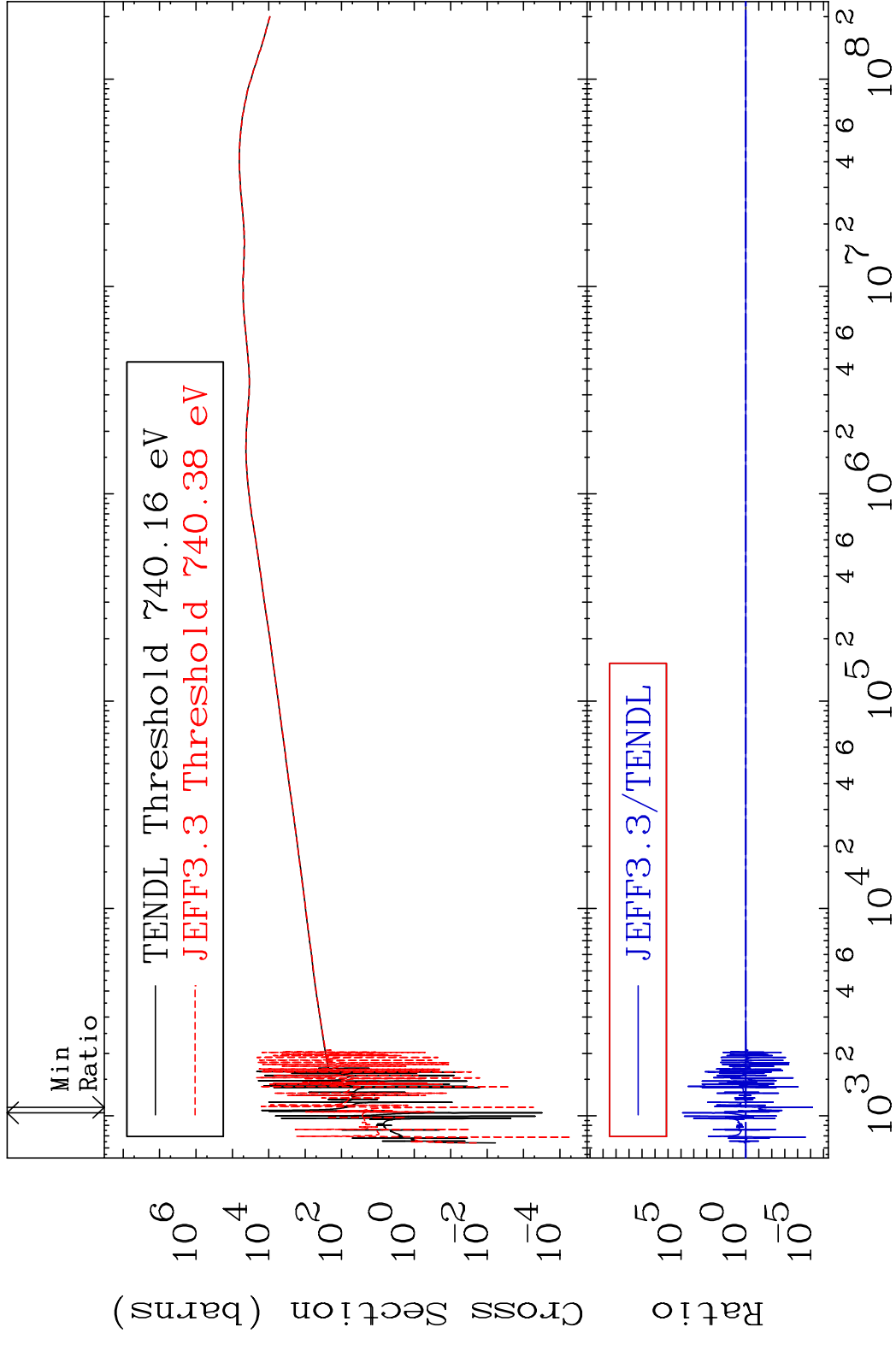
54-Xe-124

MAT 5425

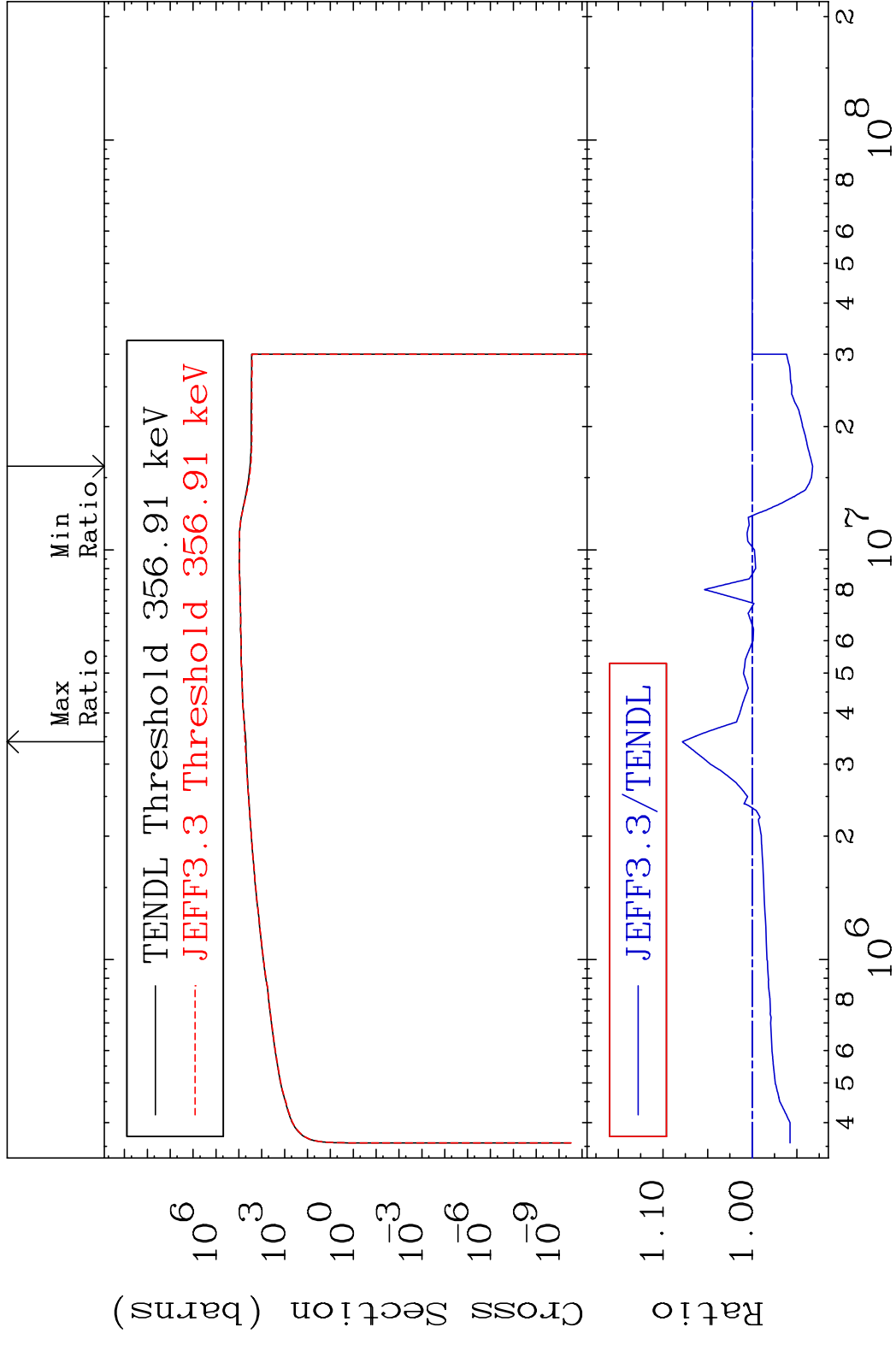
Dpa elastic (mt2)

54-Xe-124

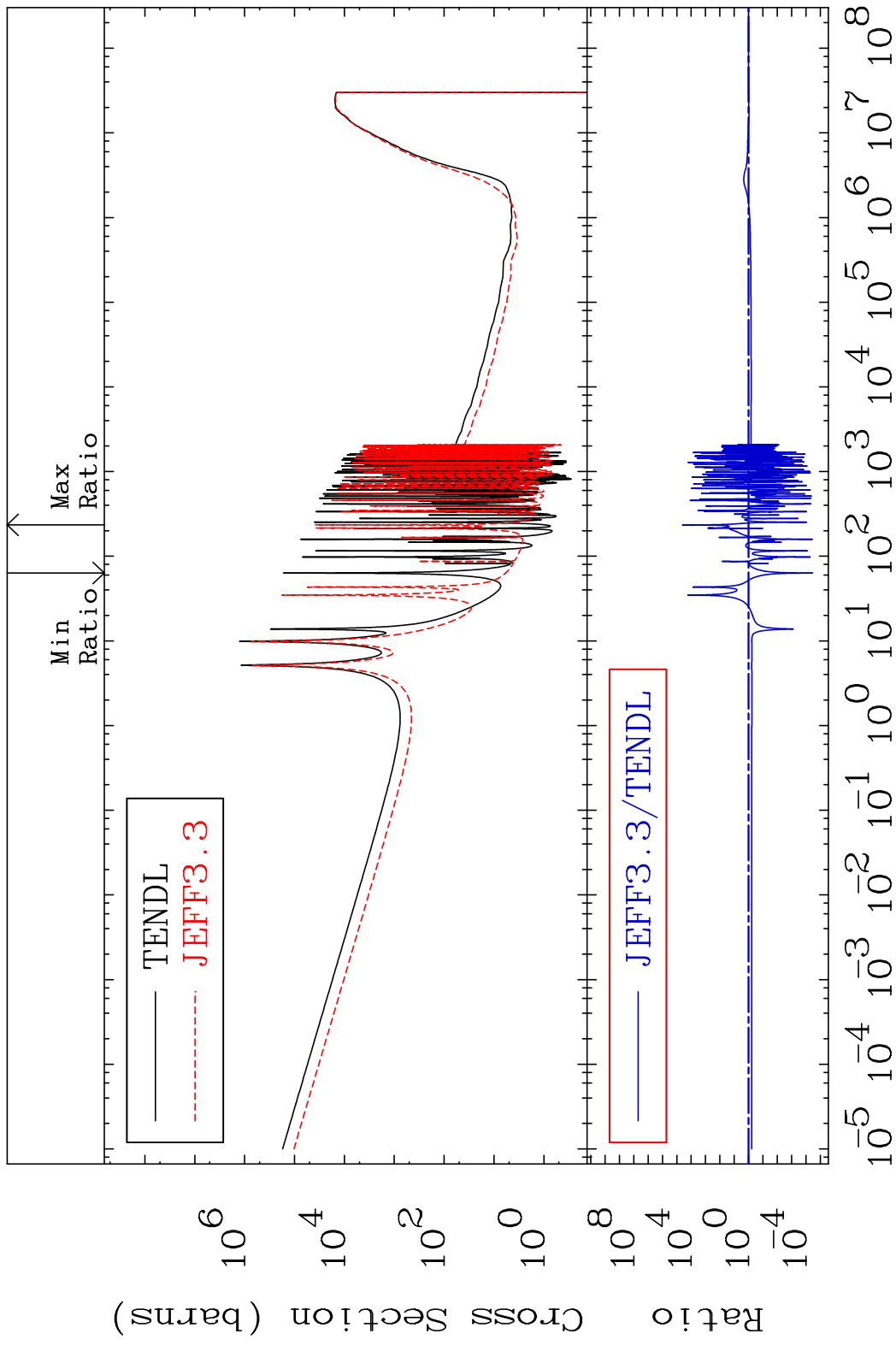
Cross Section -100.0 To 9999. %

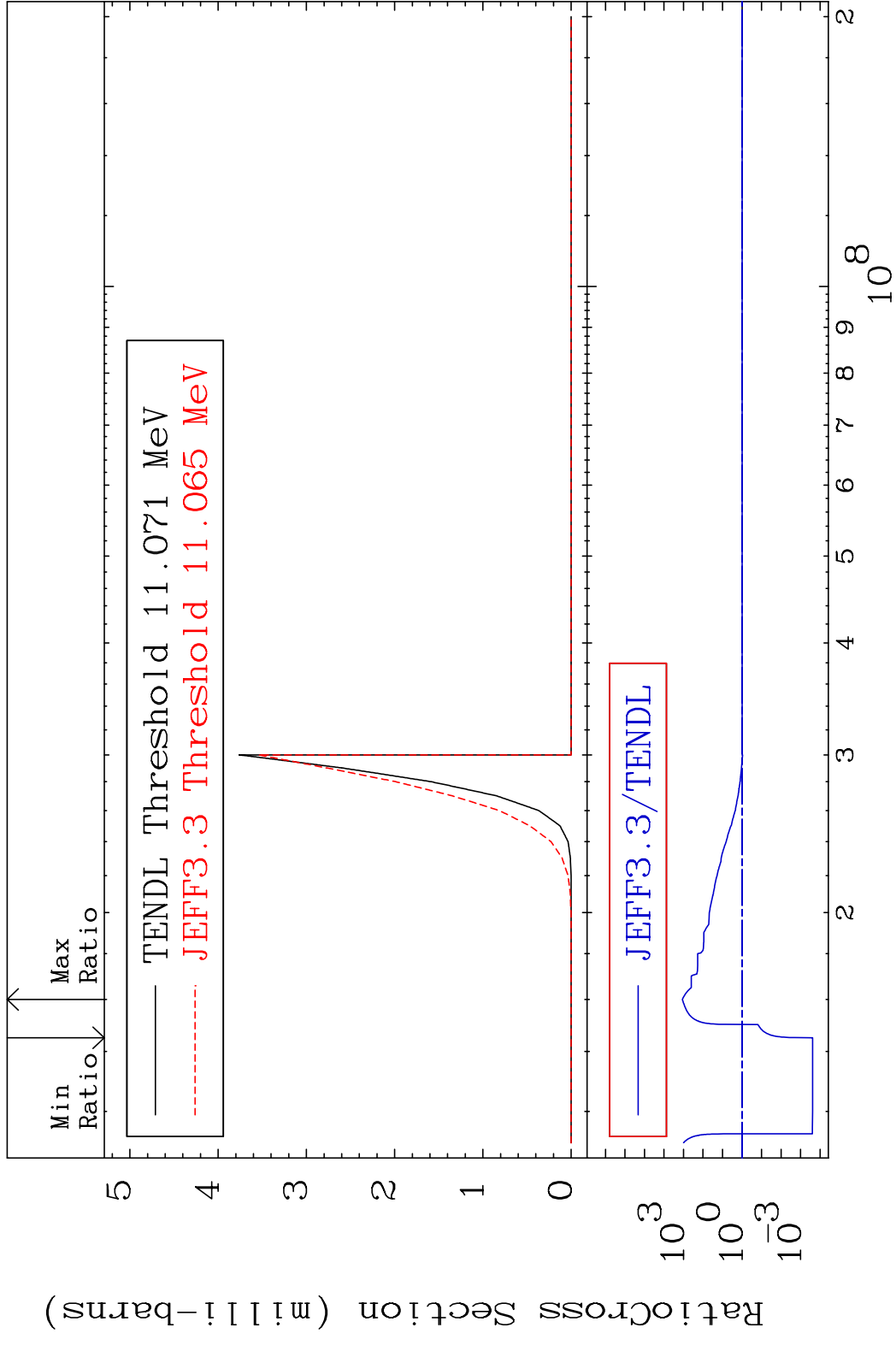


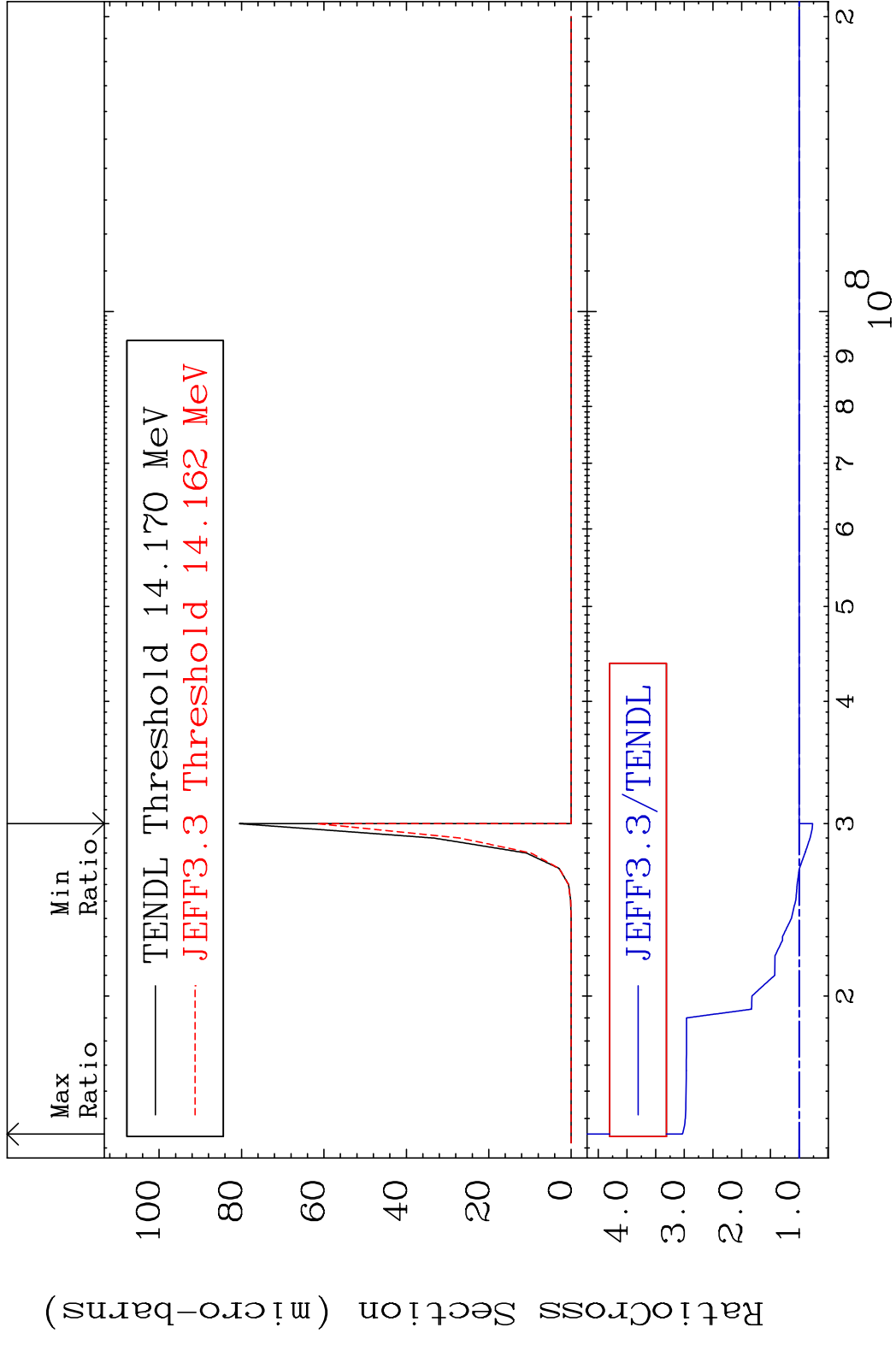
MAT 5425 Dpa inelastic (mt51-91) 54-Xe-124
 Cross Section -6.757 To 7.827 %



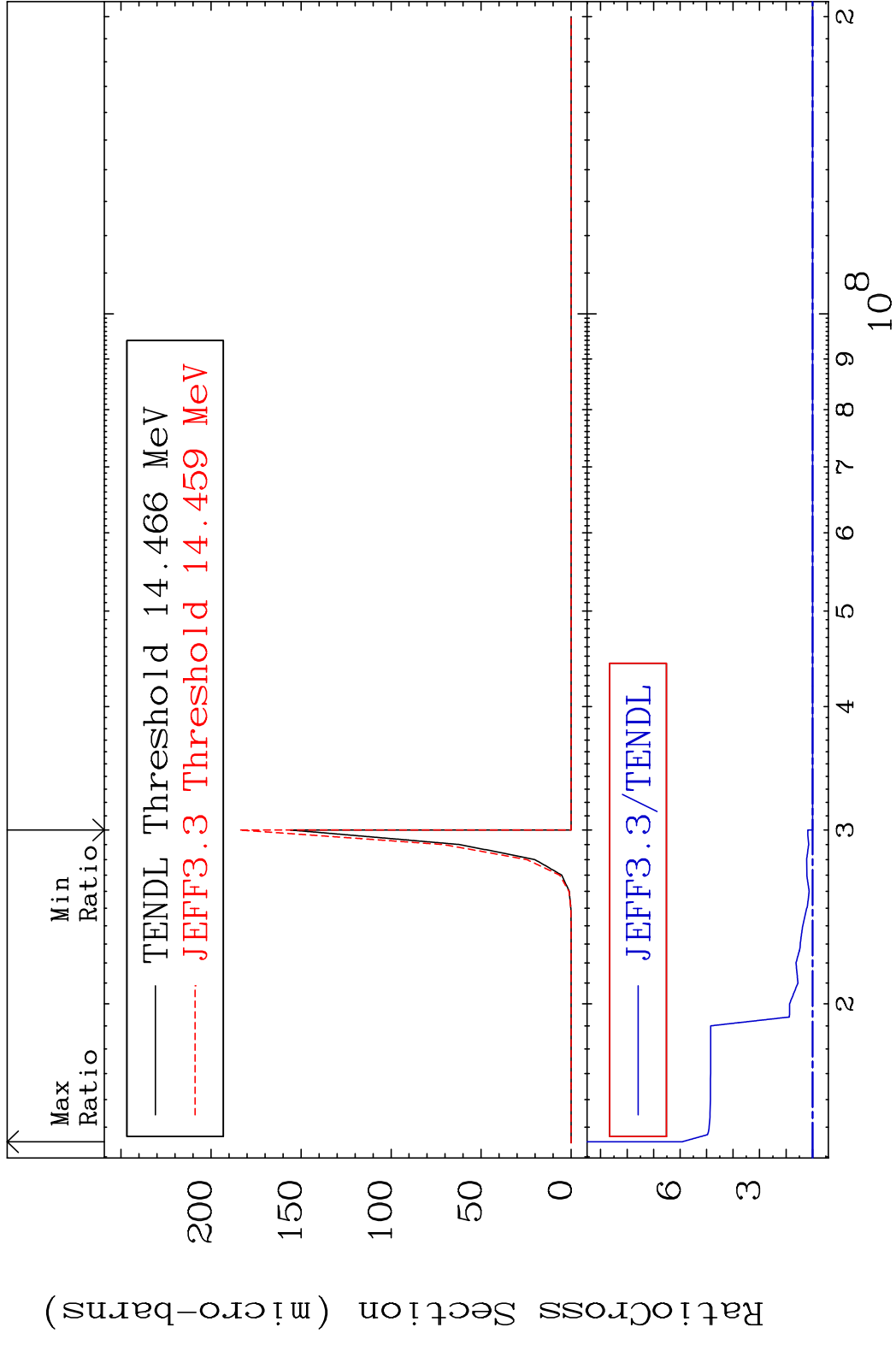
MAT 5425 Dpa disappearance (mt102 -120) 54-Xe-124
 Cross Section -100.0 To 9999. %





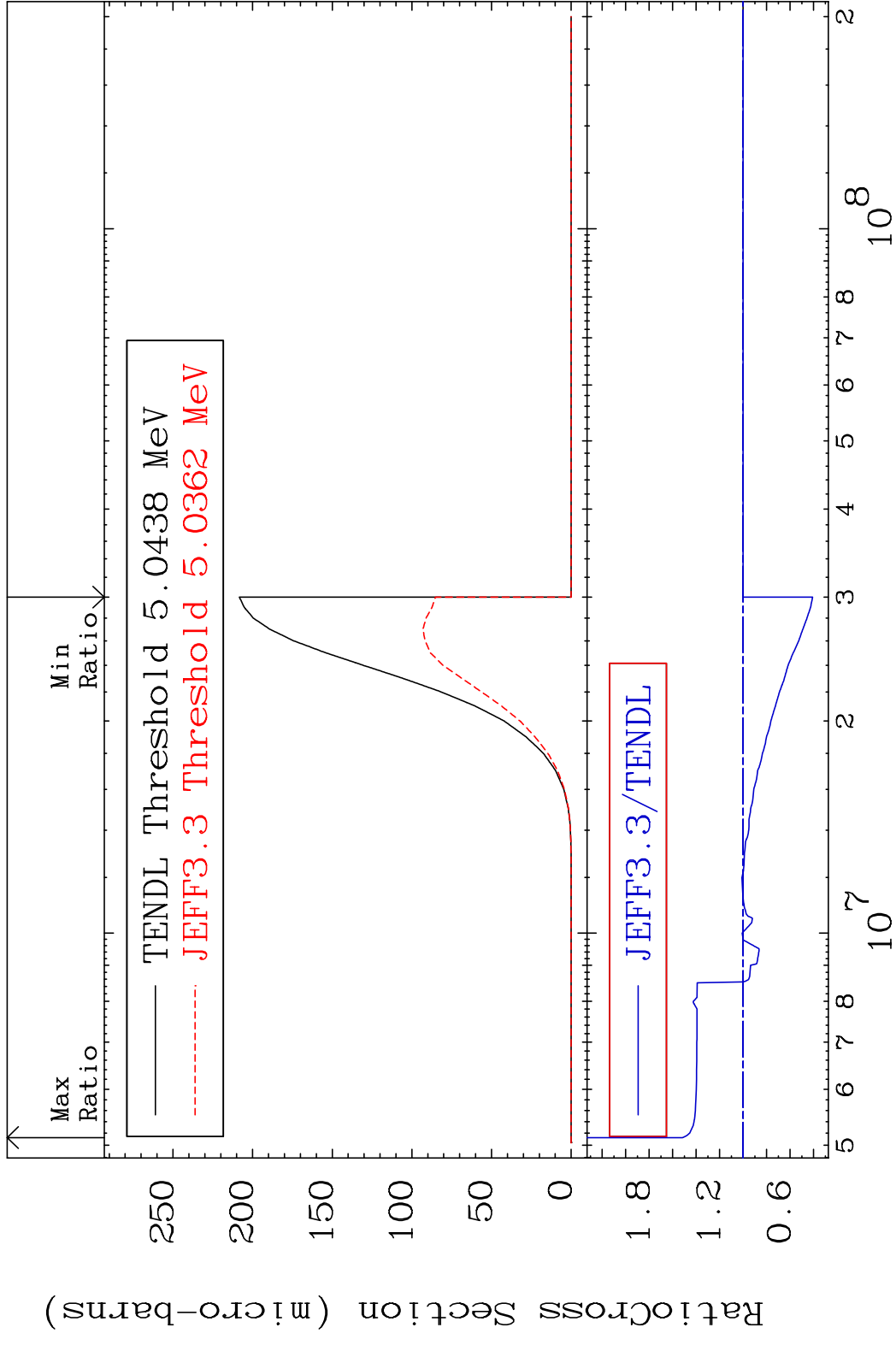


MAT 5425 (n, n') He-3:52-Te-121m2 54-Xe-124
 Radionuclide Production Cross Section 491.5 %

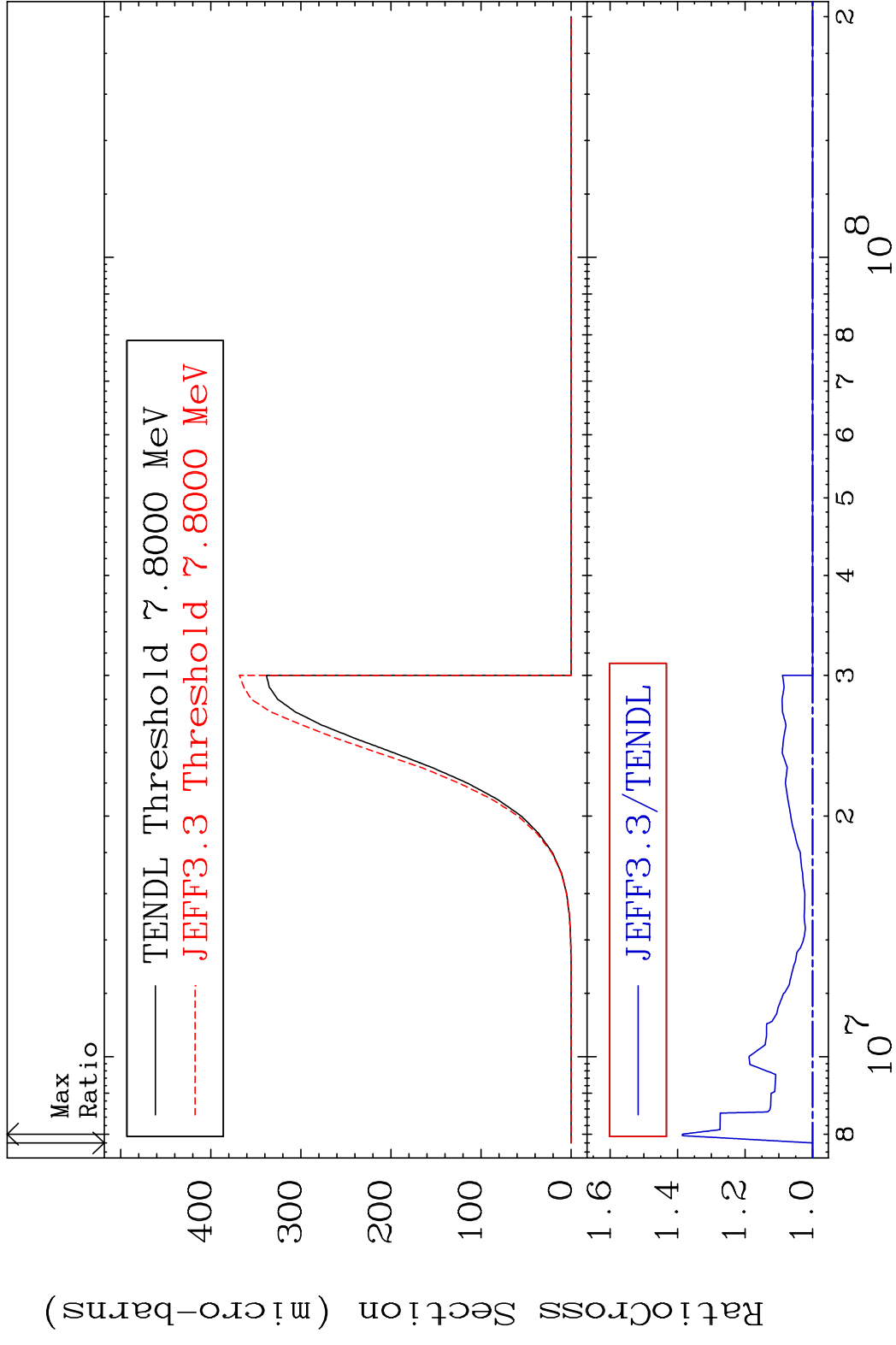


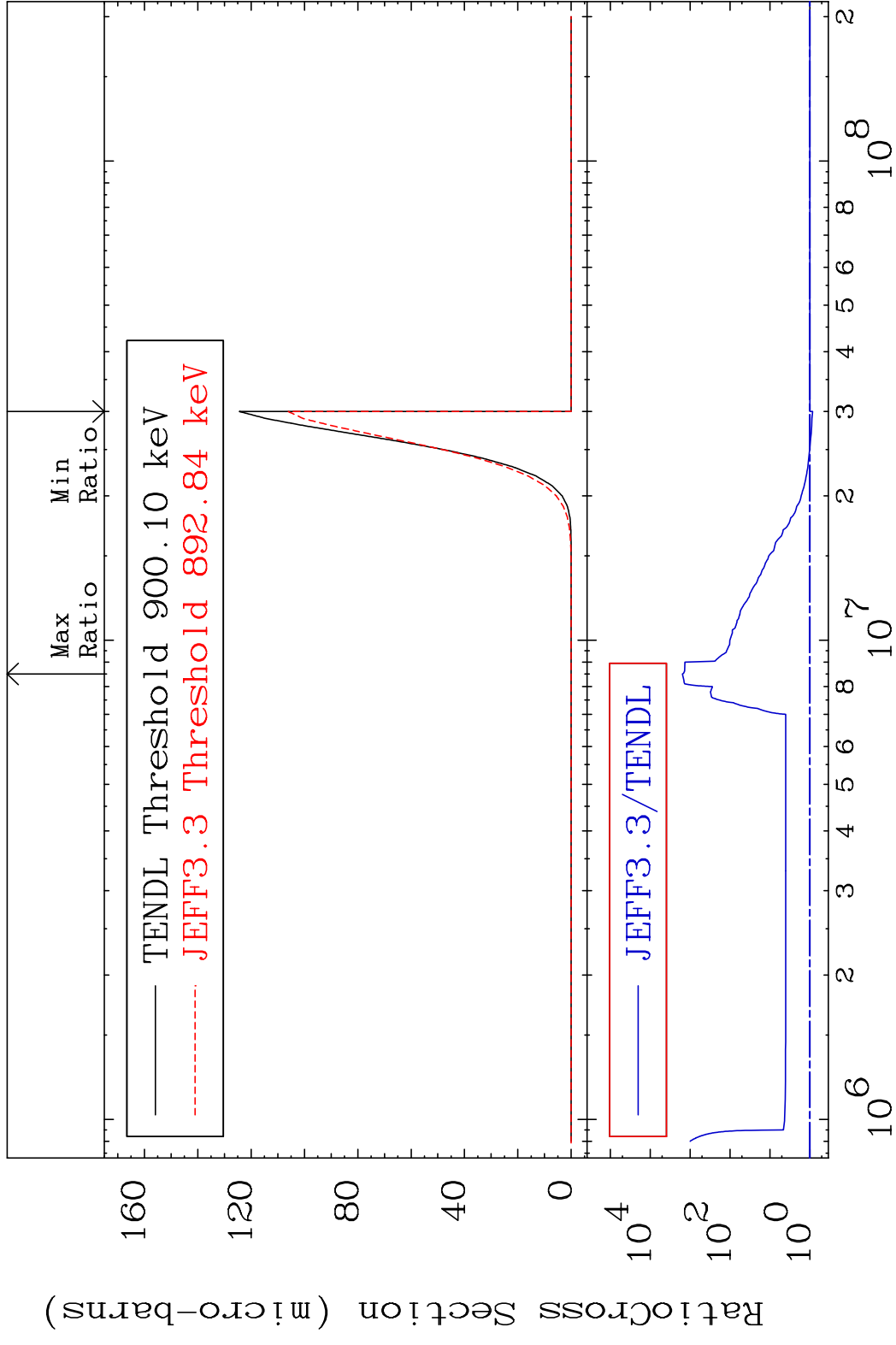
70 Incident Energy (eV) 54-Xe-124

MAT 5425 (n,2p):52-Te-123g 54-Xe-124
 Radionuclide Production Cross Section 51.72 %



MAT 5425 (n,2p):52-Te-123m2 54-Xe-124
 Radionuclide Production Cross Section 38.60 %





MAT 5425 (n,p) t:52-Te-121g 54-Xe-124
 Radionuclide Production Cross Section 49.61 dth 292.6 %

