

Program Complot
(Version 2021-1)

by

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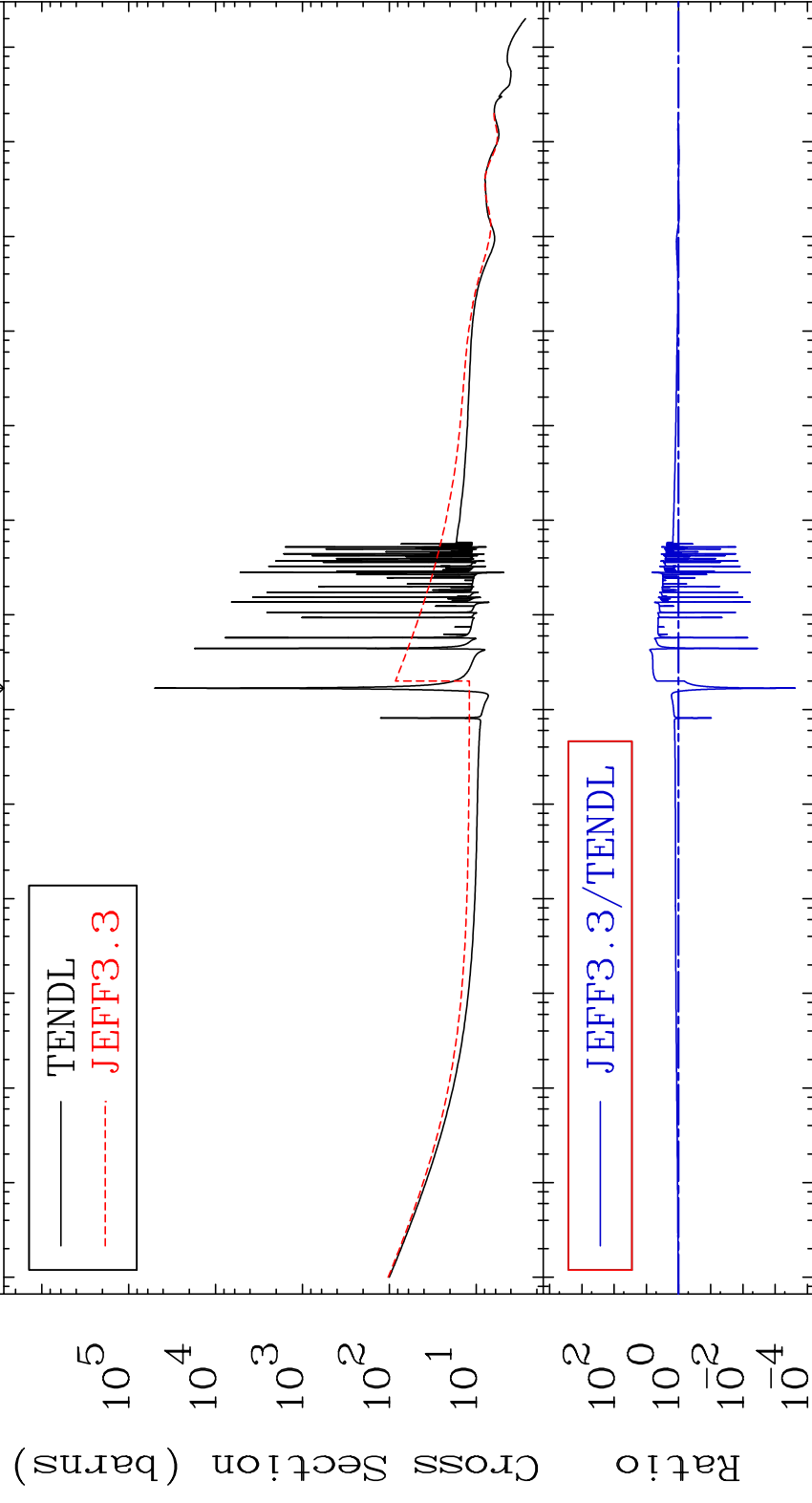
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9046

Total
Cross Section -99.98 To 685.1 %

90-Th-234



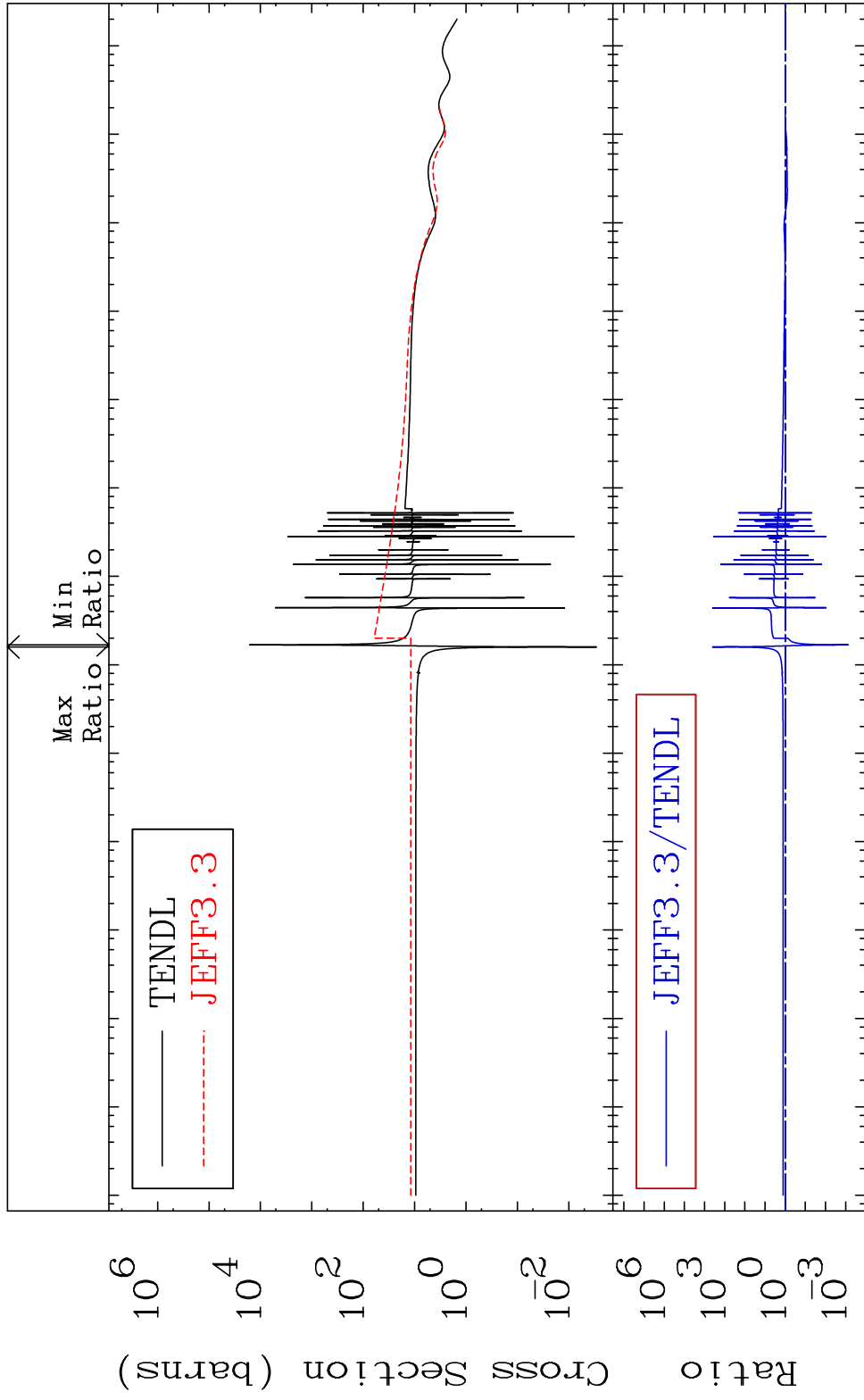
1 Incident Energy (eV) 90-Th-234

MAT 9046

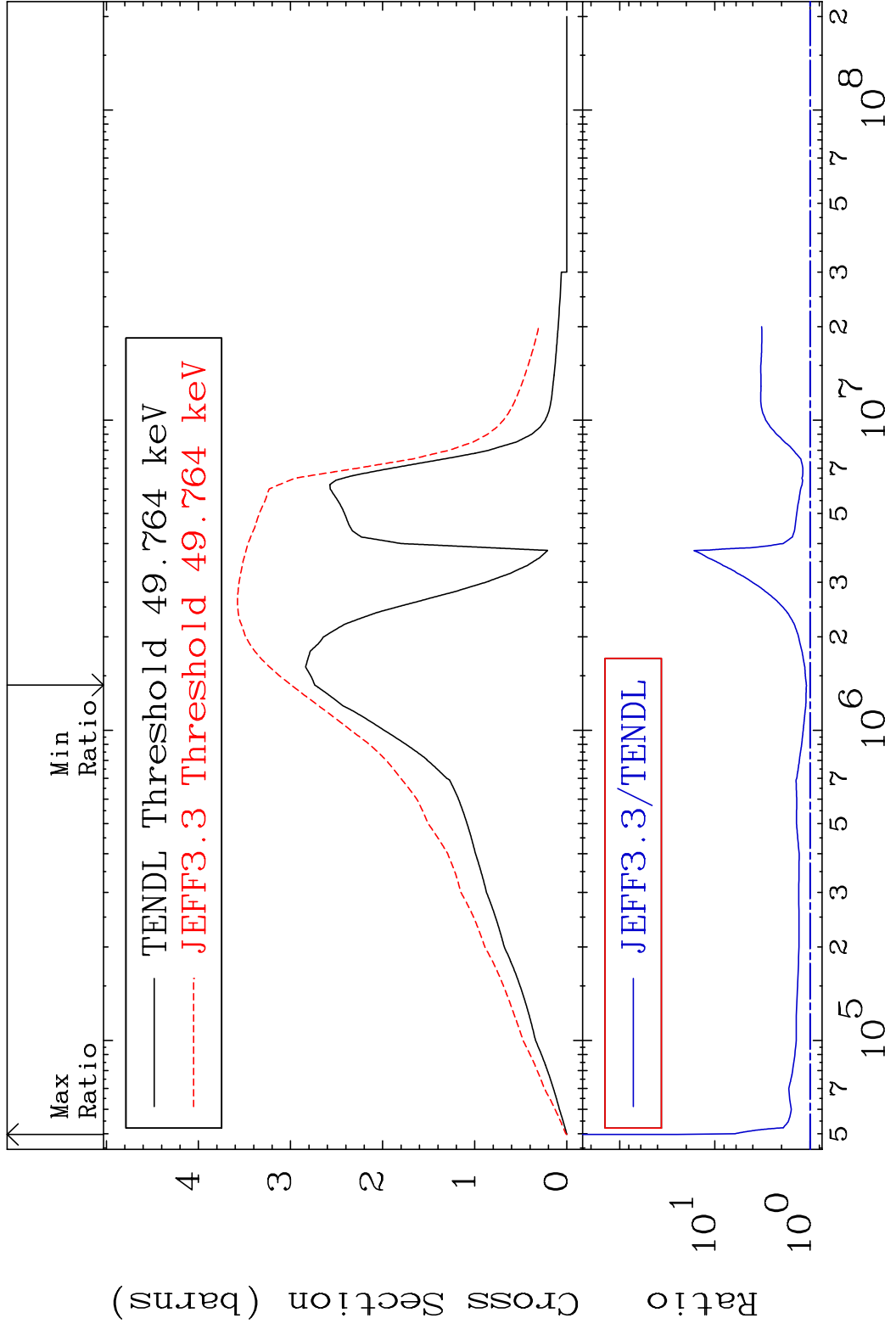
Elastic

90-Th-234

Cross Section -99.93 To 9999. %



MAT 9046 Inelastic 90-Th-234
 Cross Section 9.400 To 2388. %



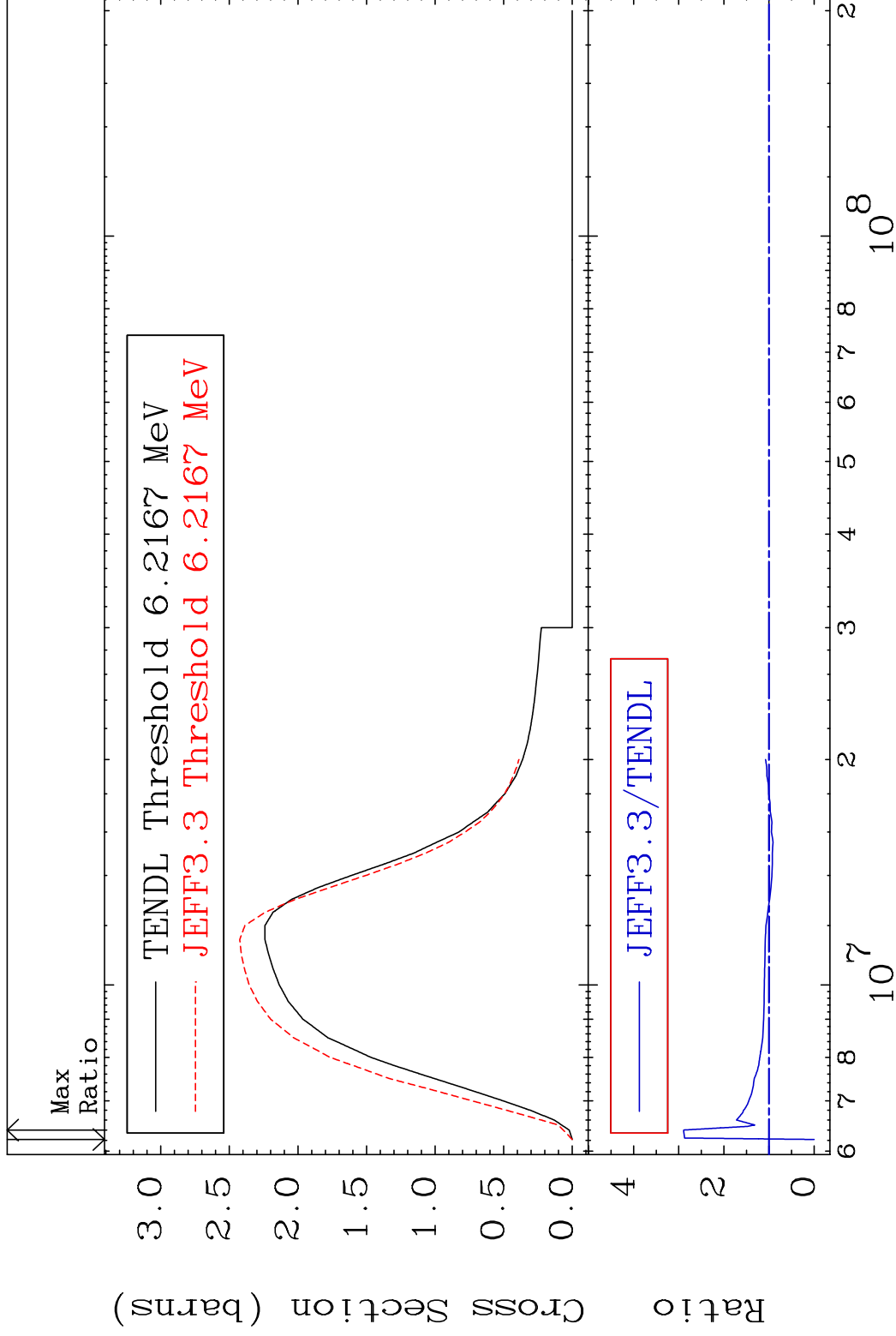
3 Incident Energy (eV) 90-Th-234

MAT 9046

(n,2n)

90-Th-234

Cross Section -100.0 To 189.2 %



4

Incident Energy (eV)

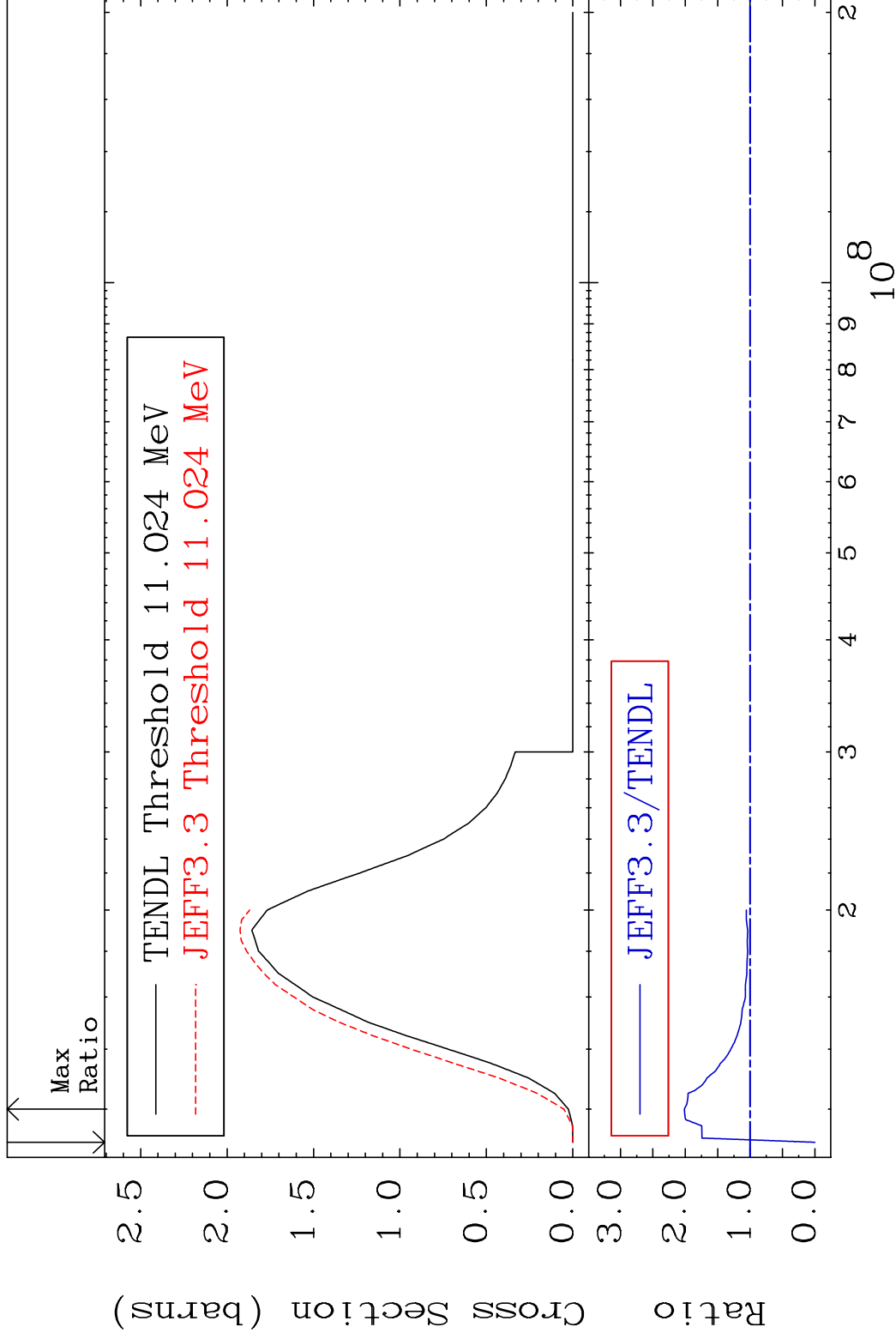
90-Th-234

MAT 9046

(n,3n)

90-Th-234

Cross Section -100.0 To 101.5 %



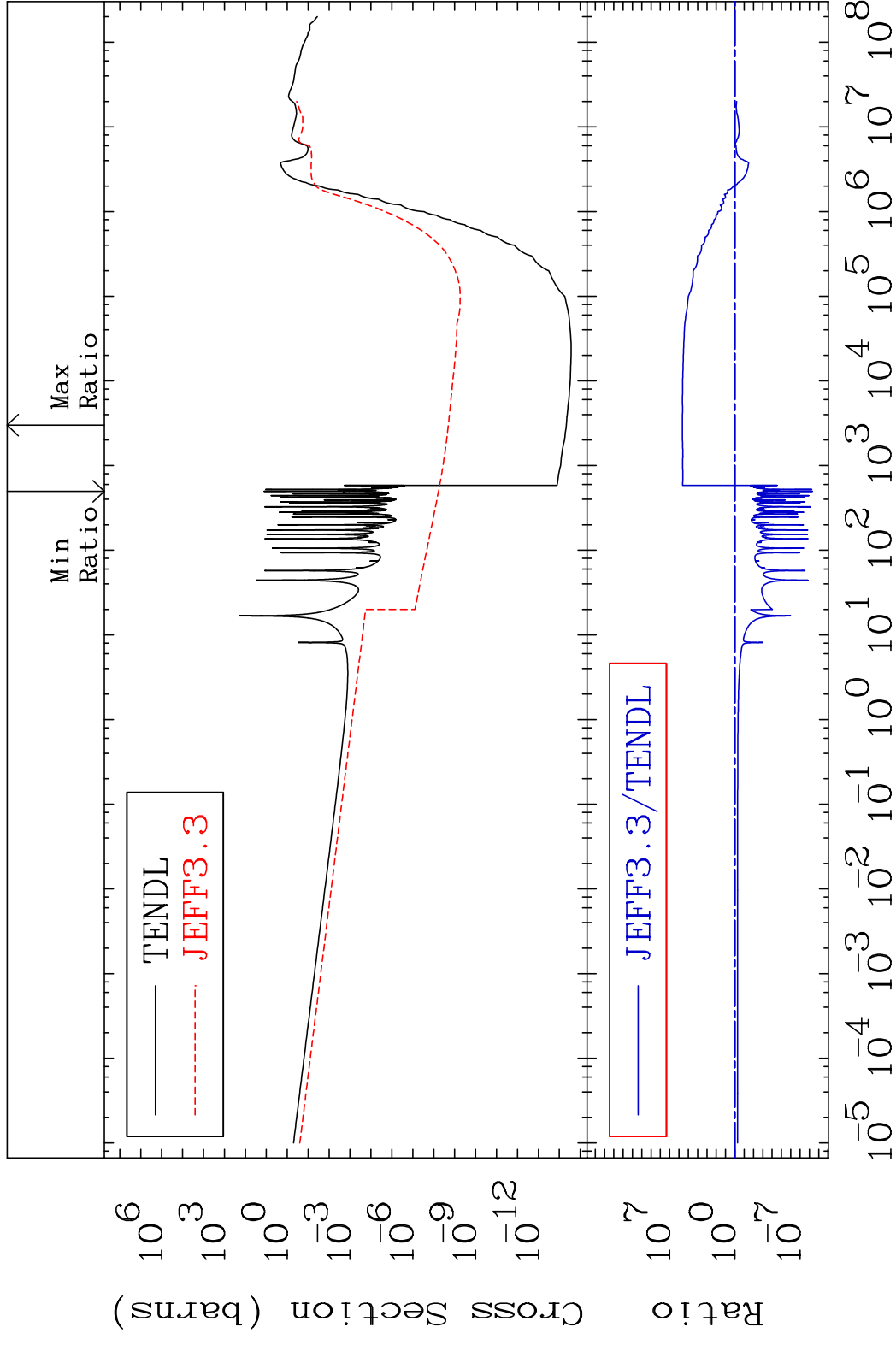
5

Incident Energy (eV)

90-Th-234

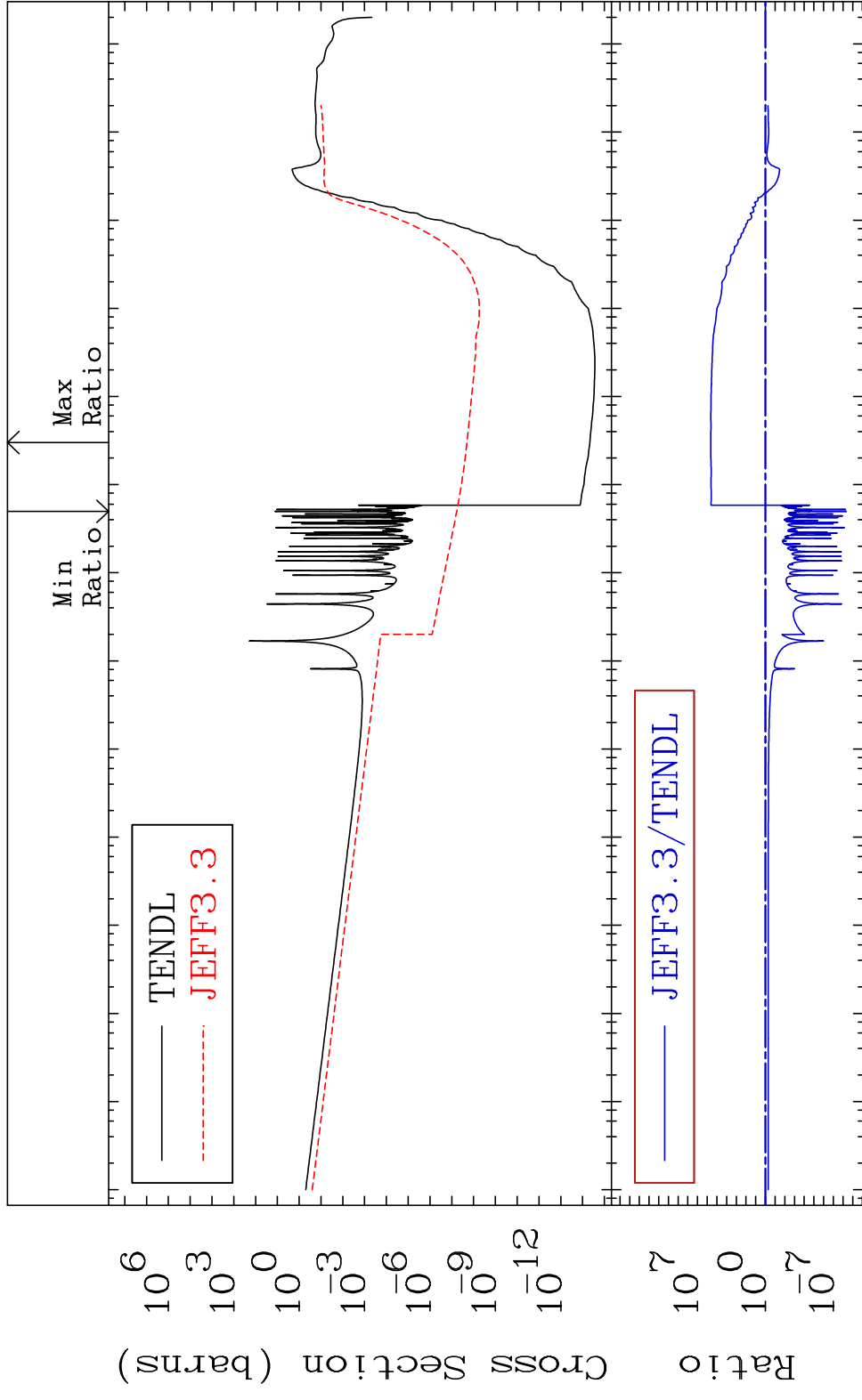
MAT 9046

Fission Cross Section -100.0 To 9999. %
90-Th-234



MAT 9046

(n,f) First Chance 90-Th-234
Cross Section -100.0 To 9999. %

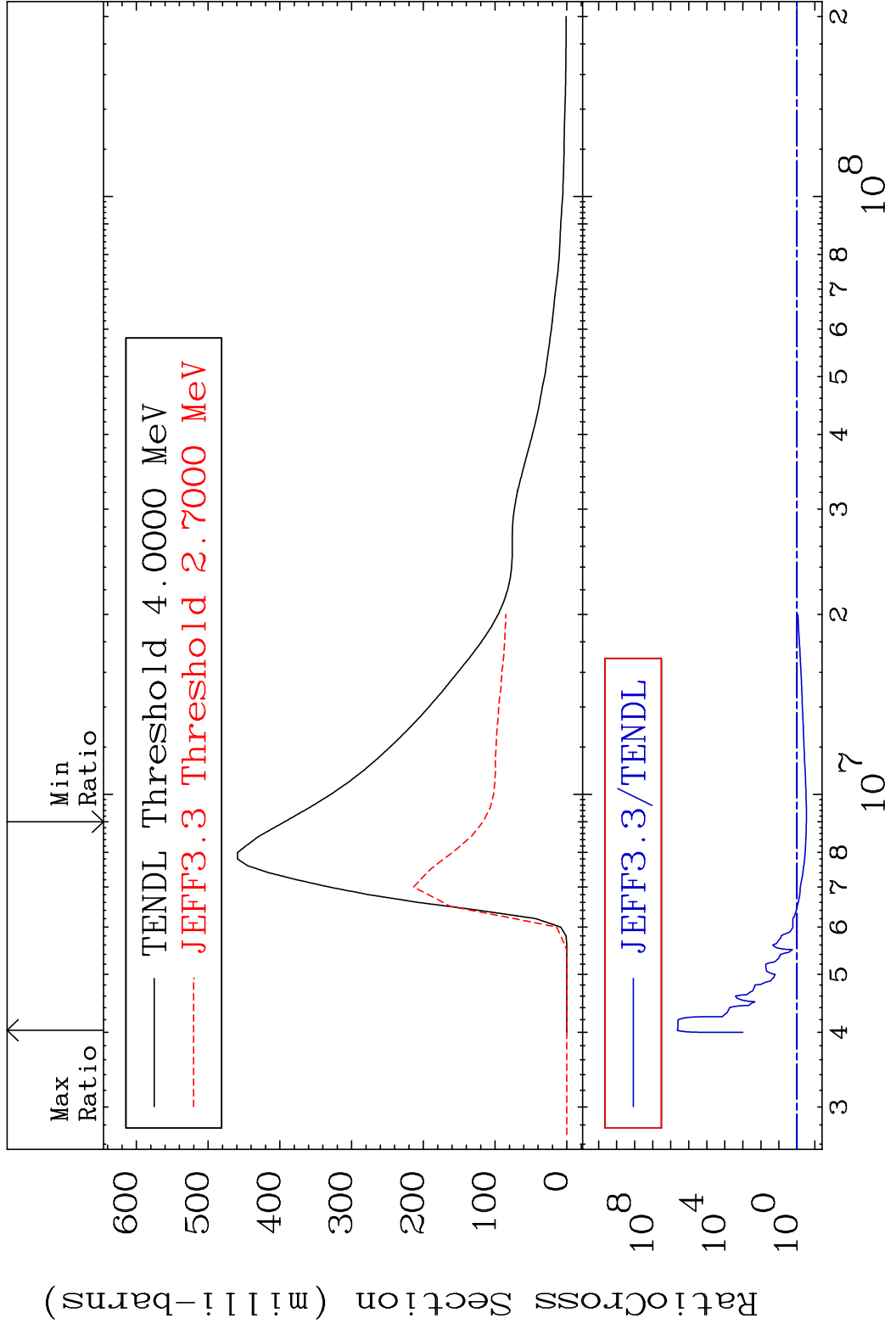


7

Incident Energy (eV)

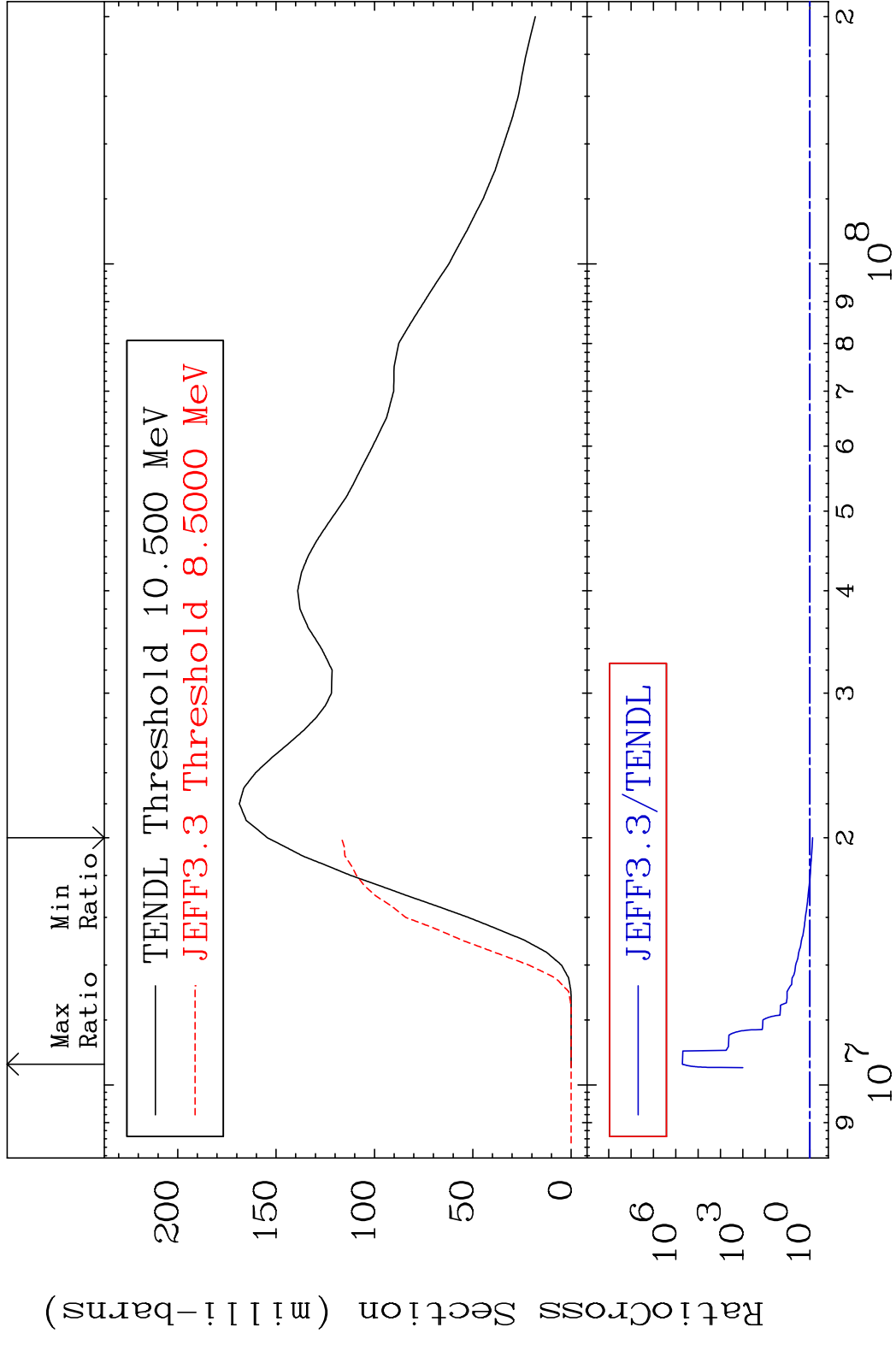
90-Th-234

MAT 9046 (n,nf) Second Chance 90-Th-234
 Cross Section -70.30 To 9999. %



MAT 9046

(n,2nf) Third Chance 90-Th-234
Cross Section -24.39 To 9999. %

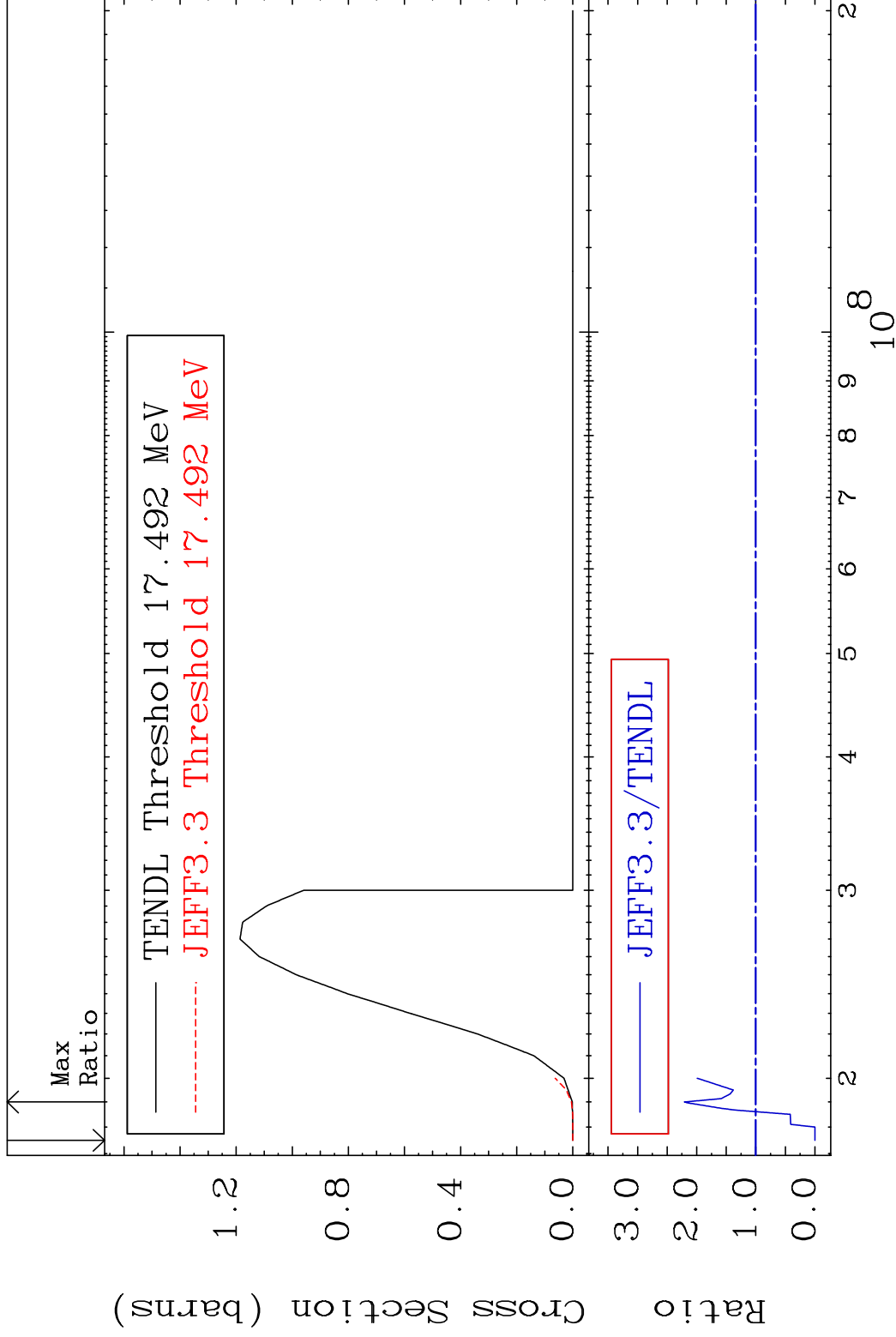


MAT 9046

(n, 4n)

90-Th-234

Cross Section -100.0 To 121.0 %

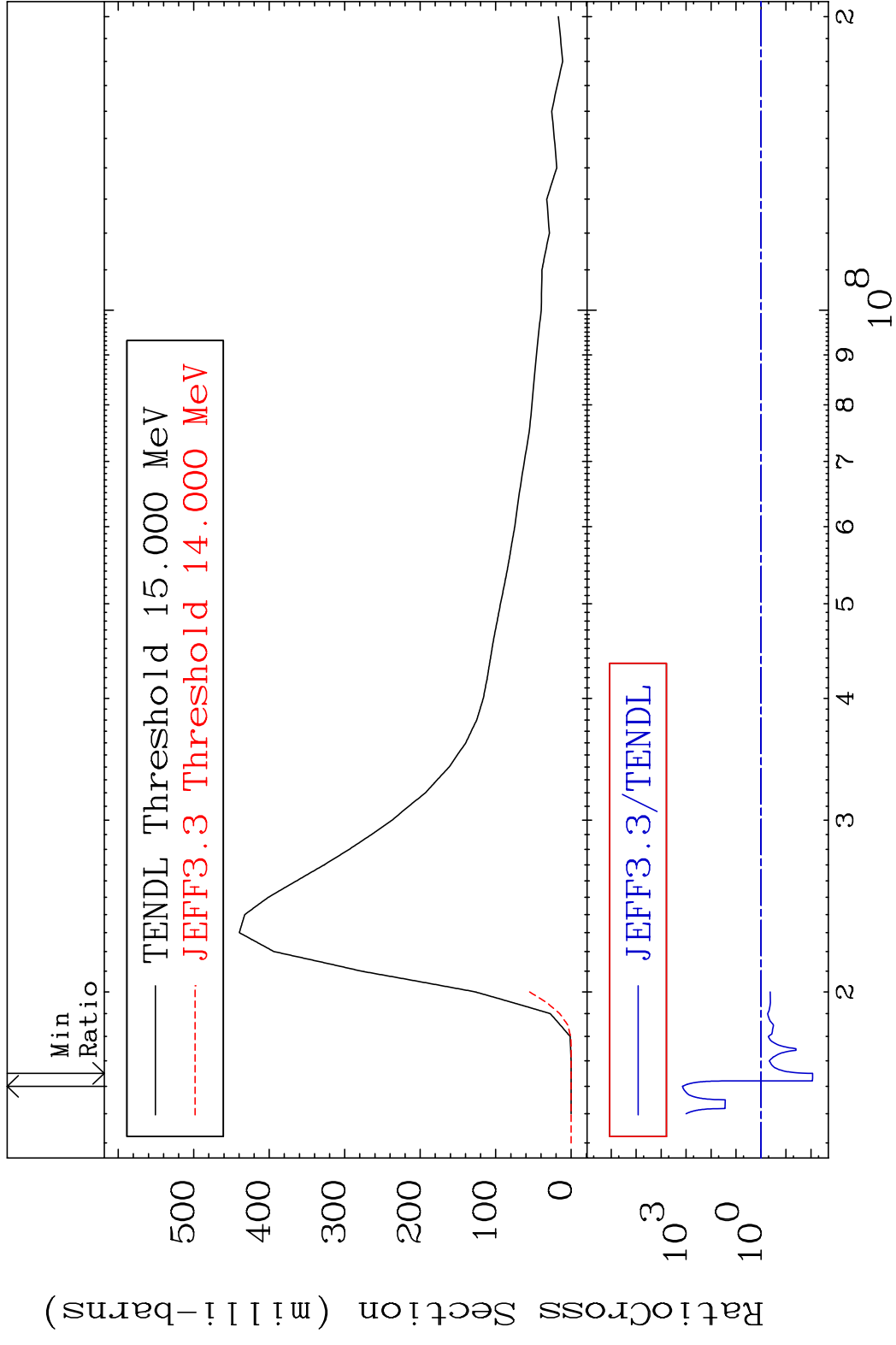


10

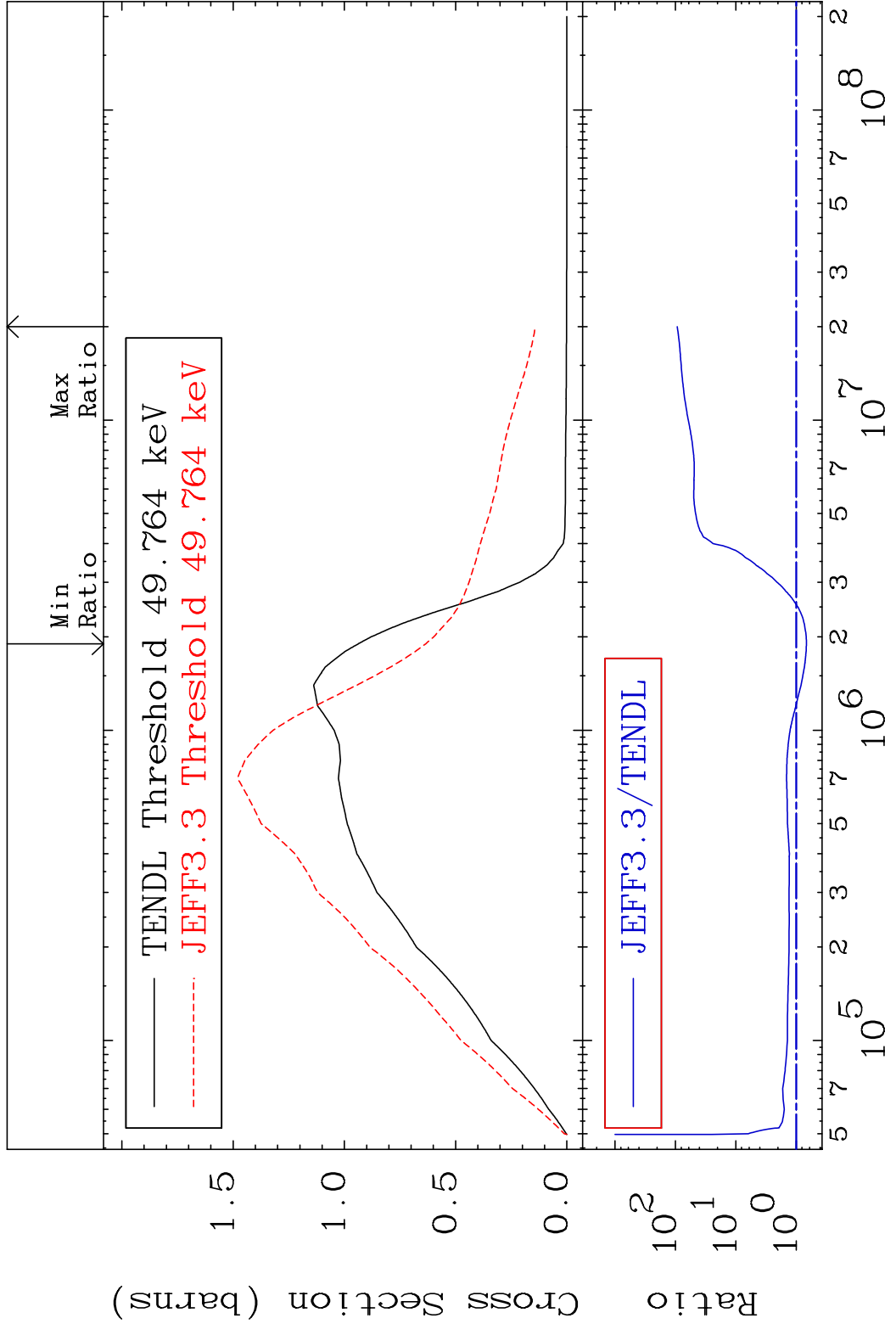
Incident Energy (eV)

90-Th-234

MAT 9046 (n,3nf) Fourth Chance 90-Th-234
 Cross Section -99.13 To 9999. %



MAT 9046 MT= 51 (n, n') Level 90-Th-234
 Cross Section -32.30 To 9221. %

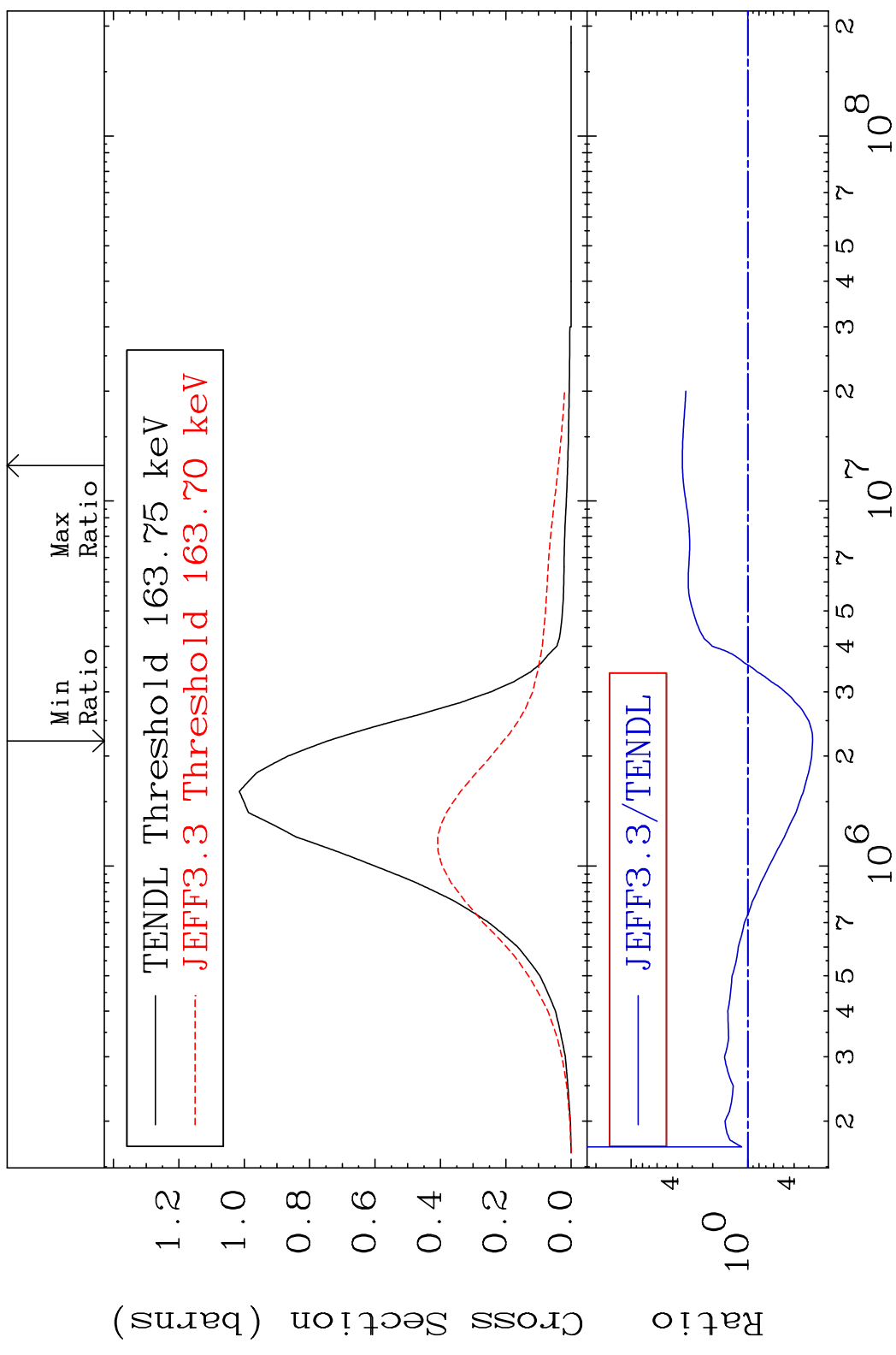


MAT 9046

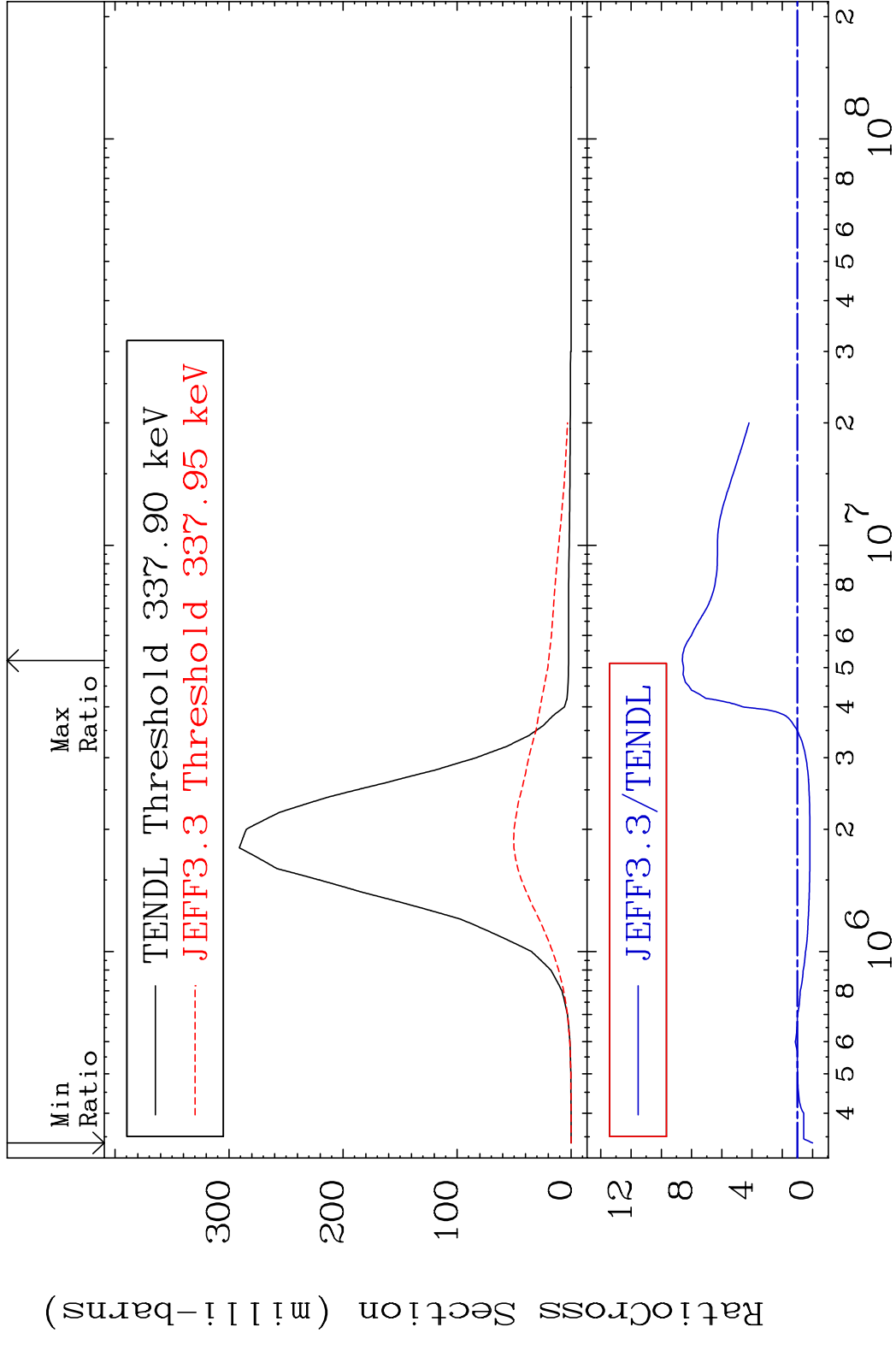
MT= 52 (n, n') Level

90-Th-234

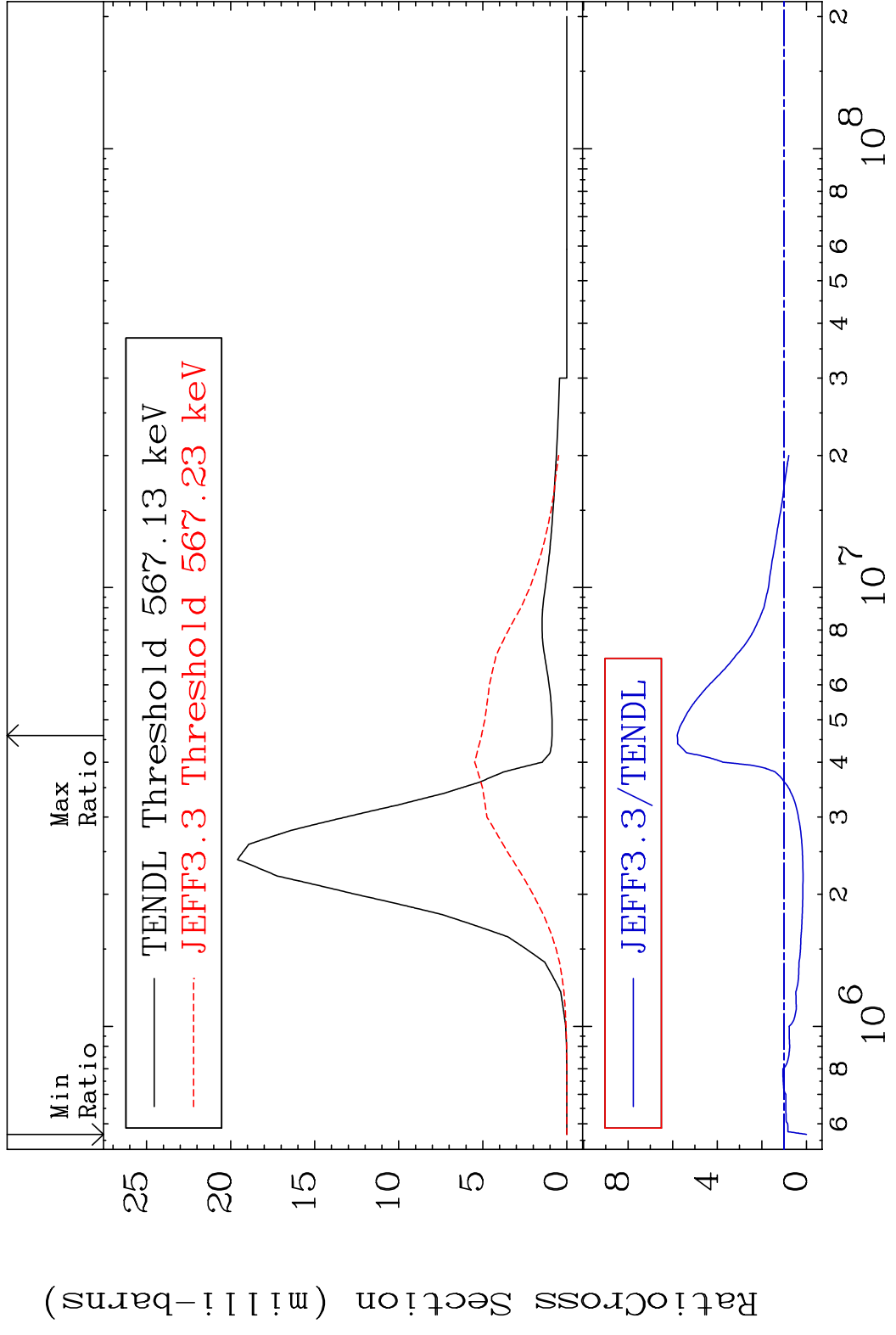
Cross Section -72.14 To 263.6 %



MAT 9046 MT= 53 (n, n') Level 90-Th-234
 Cross Section -100.0 To 760.8 %



MAT 9046 MT= 54 (n, n') Level 90-Th-234
 Cross Section -100.0 To 479.7 %

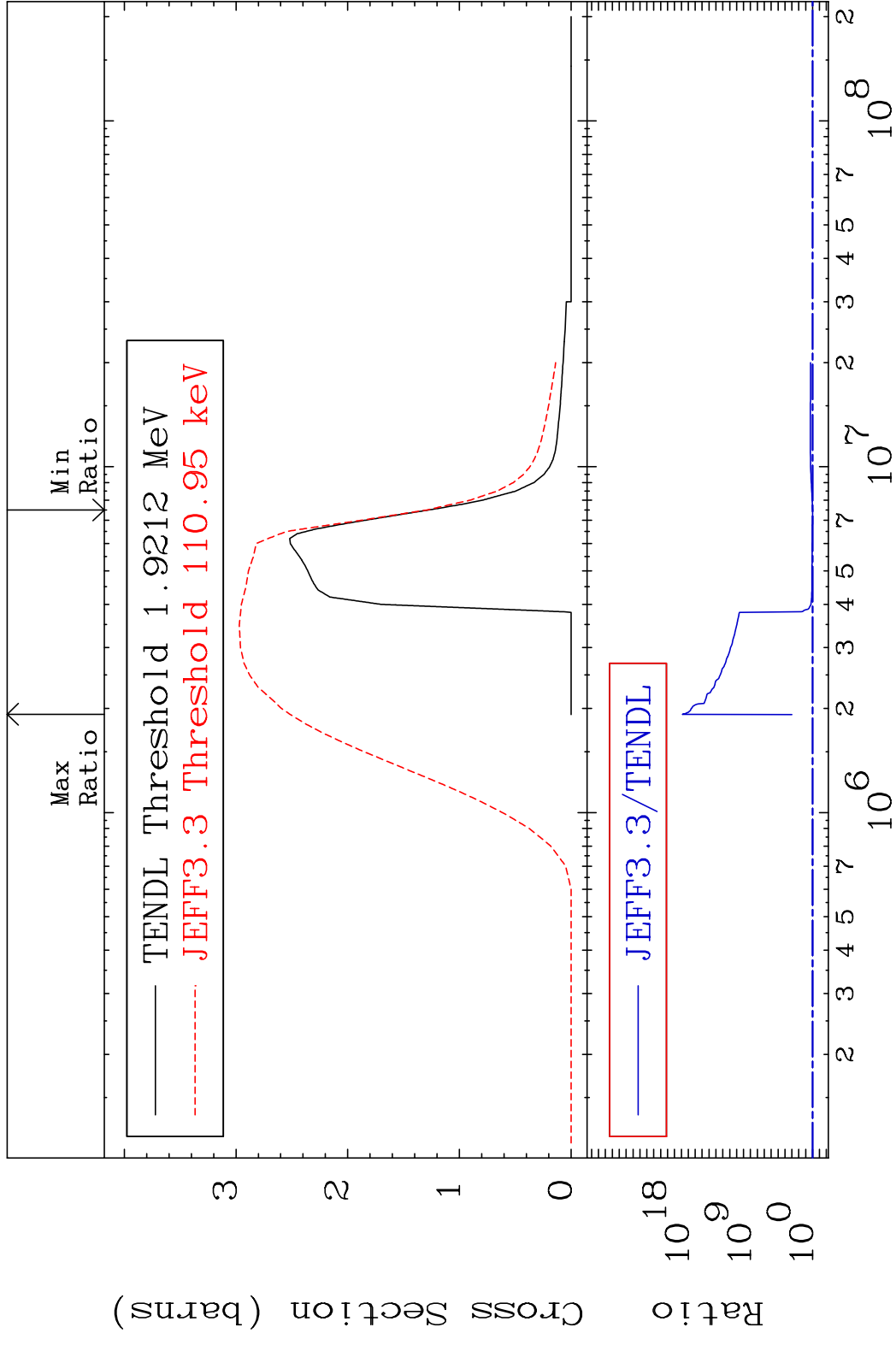


MAT 9046

(n, n') Continuum

90-Th-234

Cross Section 1.112 To 9999. %

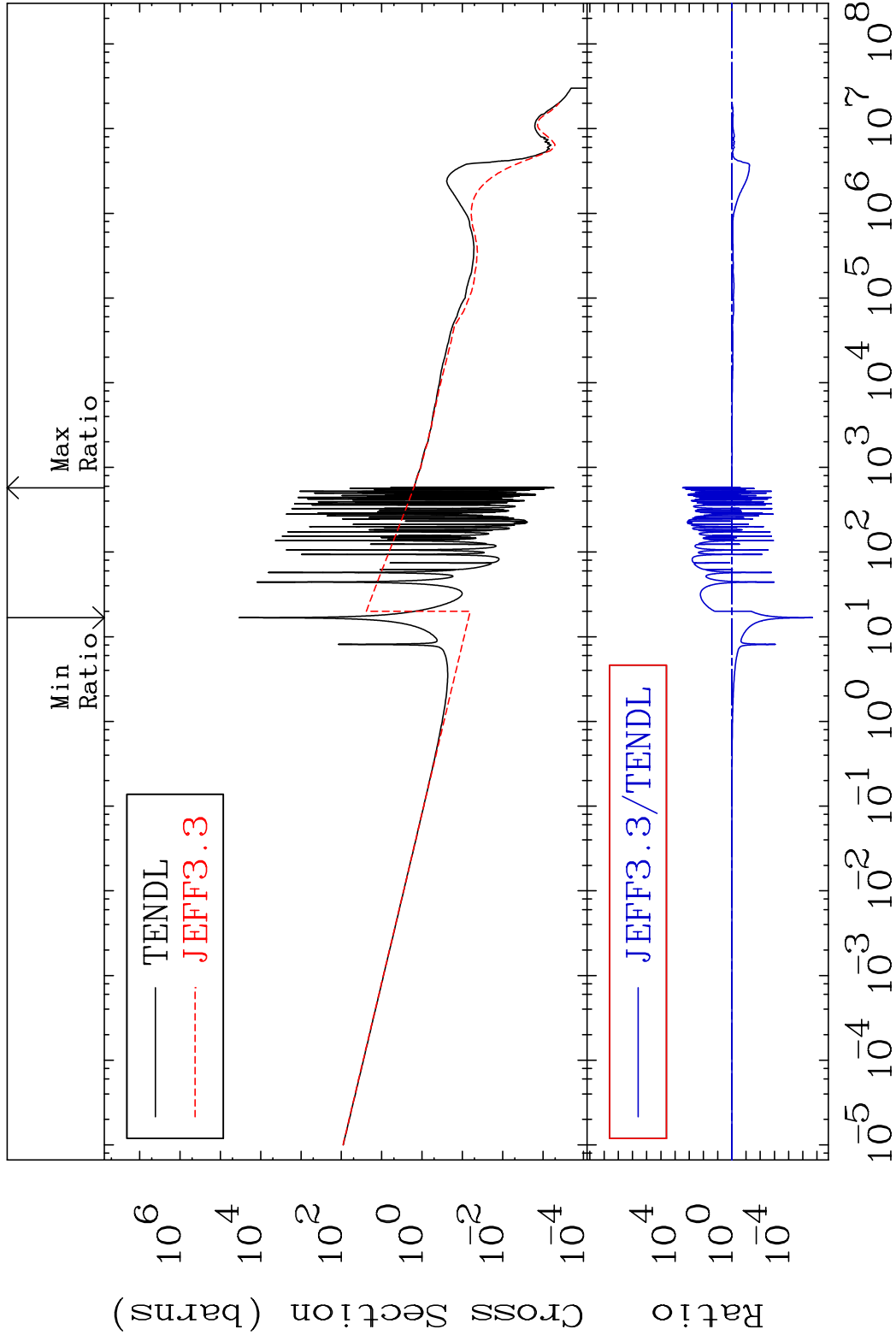


MAT 9046

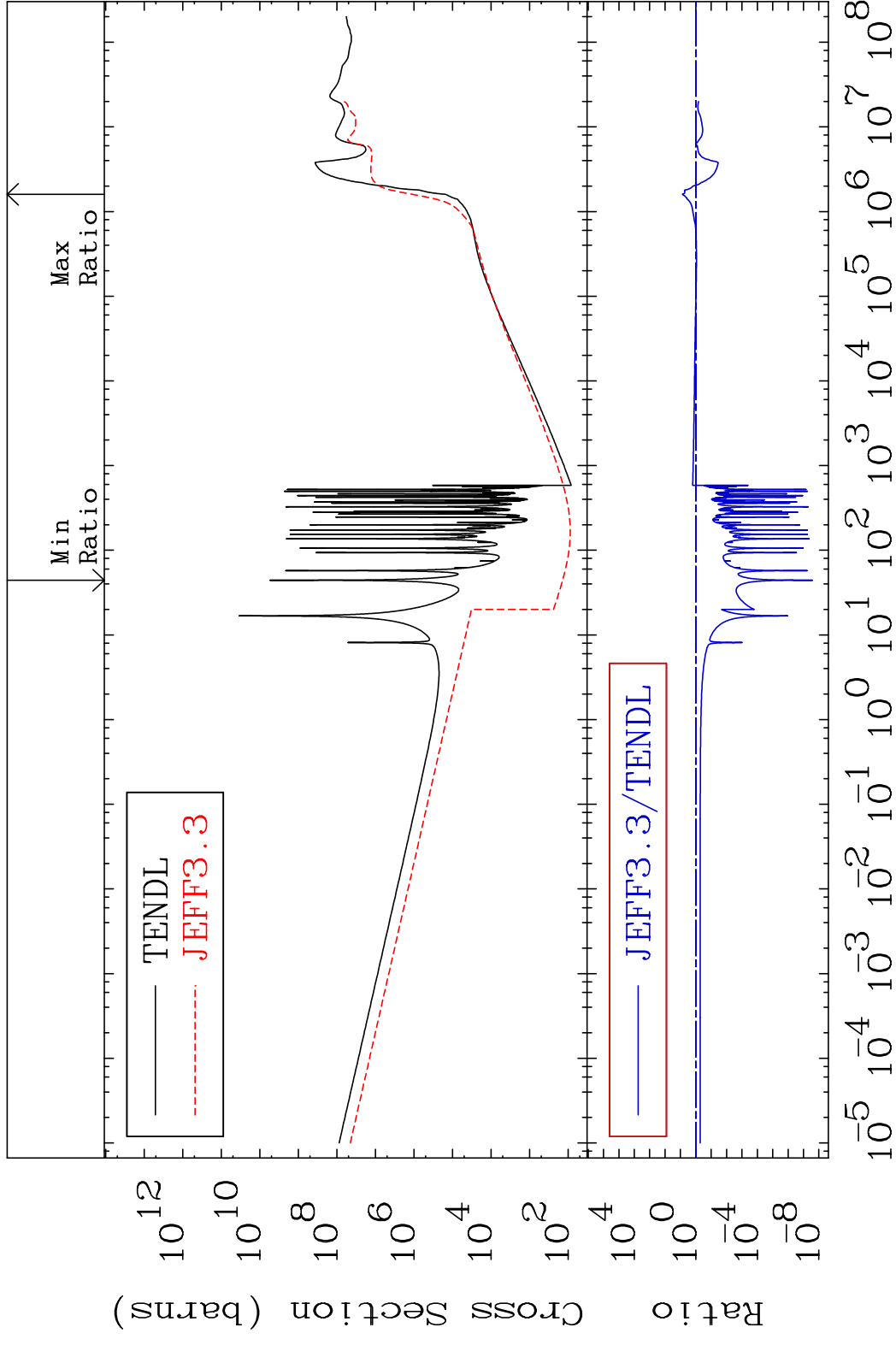
90-Th-234

(n, γ)

Cross Section -100.0 To 9999. %



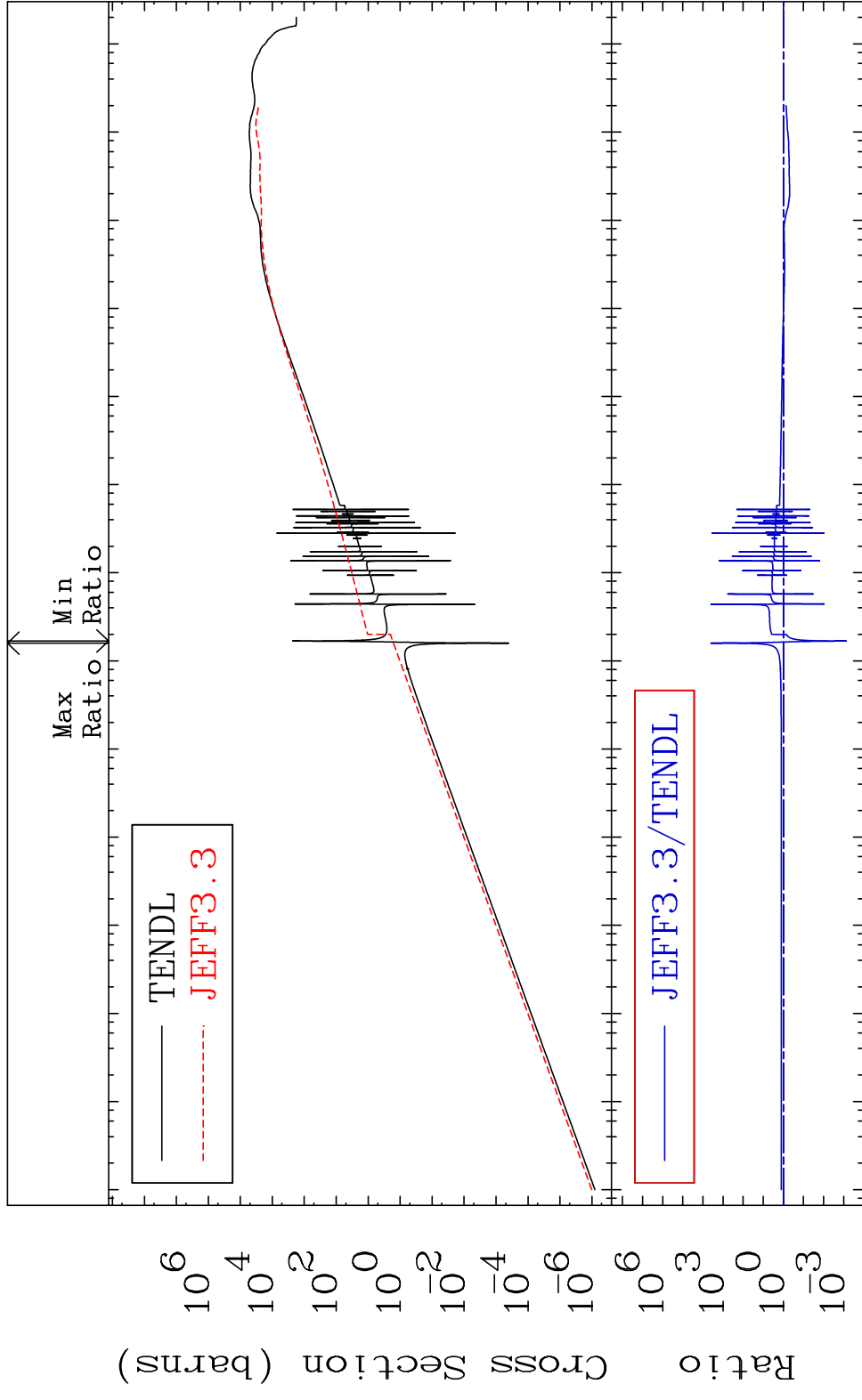
MAT 9046 Kerma total (eV-barns) 90-Th-234
 Cross Section -100.0 To 647.8 %



MAT 9046

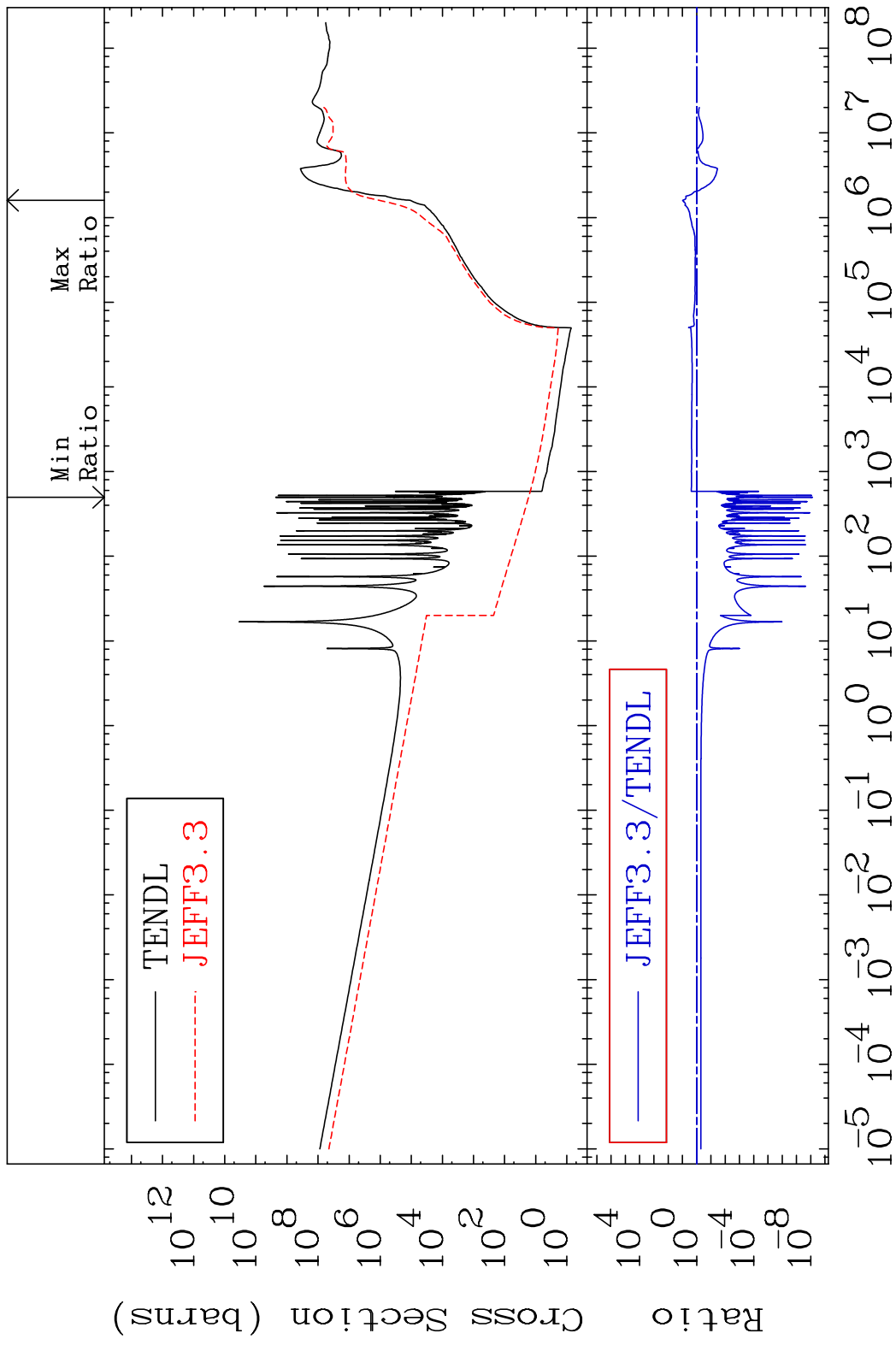
Kerma elastic
Cross Section -99.93 To 9999. %

90-Th-234



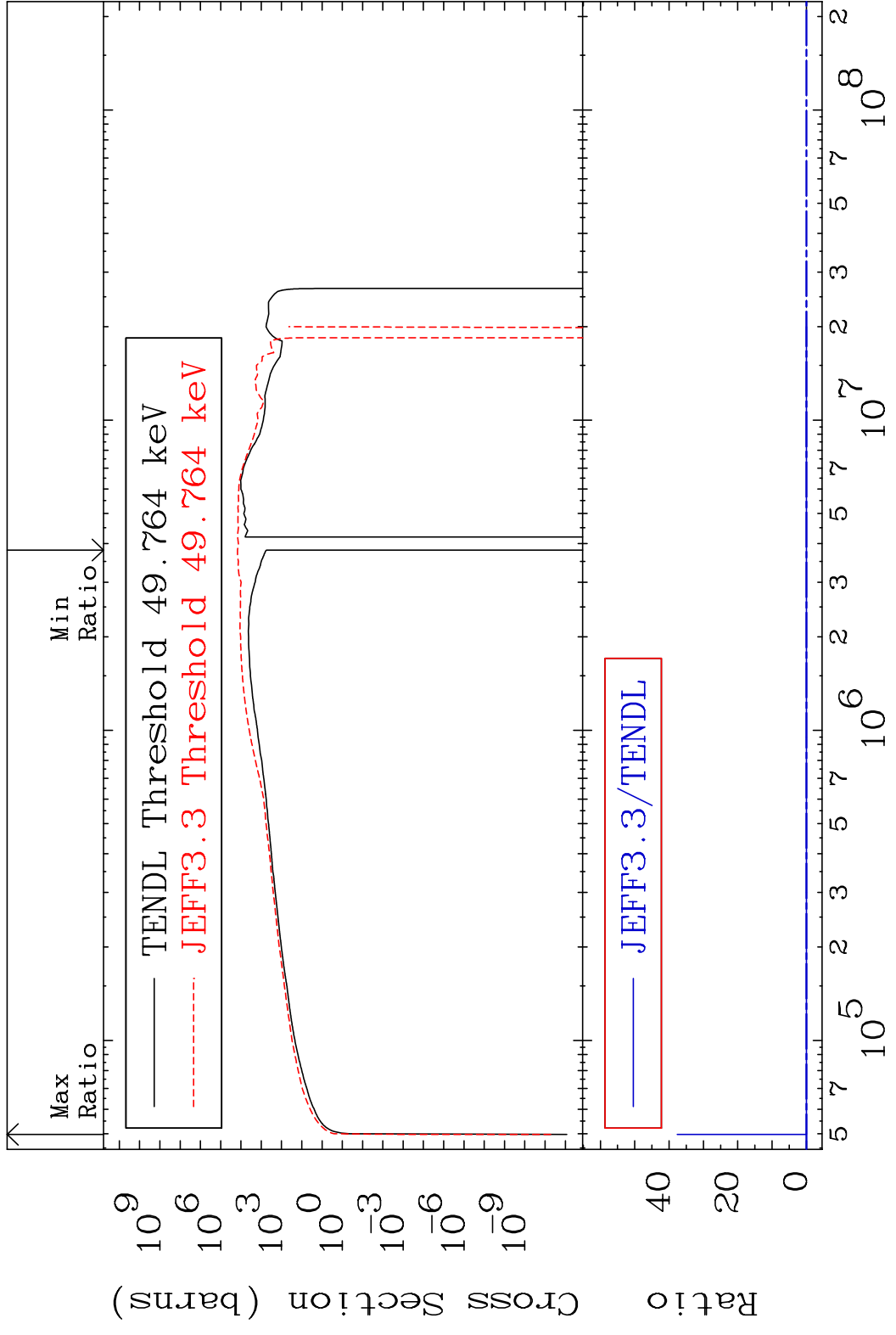
Incident Energy (eV) 90-Th-234

MAT 9046 Kerma non-elastic (all but mt2) 90-Th-234
 Cross Section -100.0 To 907.2 %

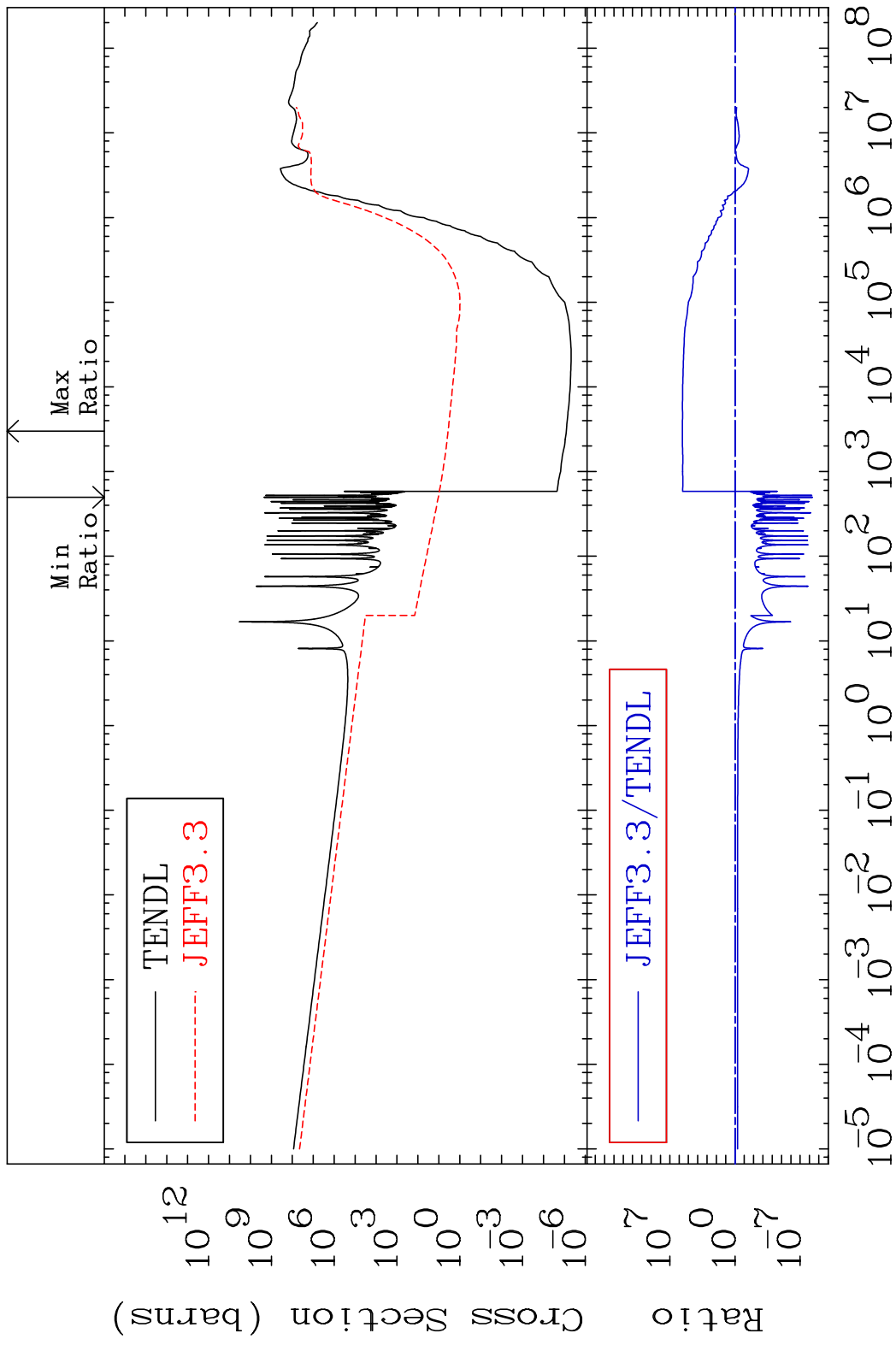


20 Incident Energy (eV) 90-Th-234

MAT 9046 Kerma inelastic (mt51-91) 90-Th-234
 Cross Section -344.0 To 9999. %

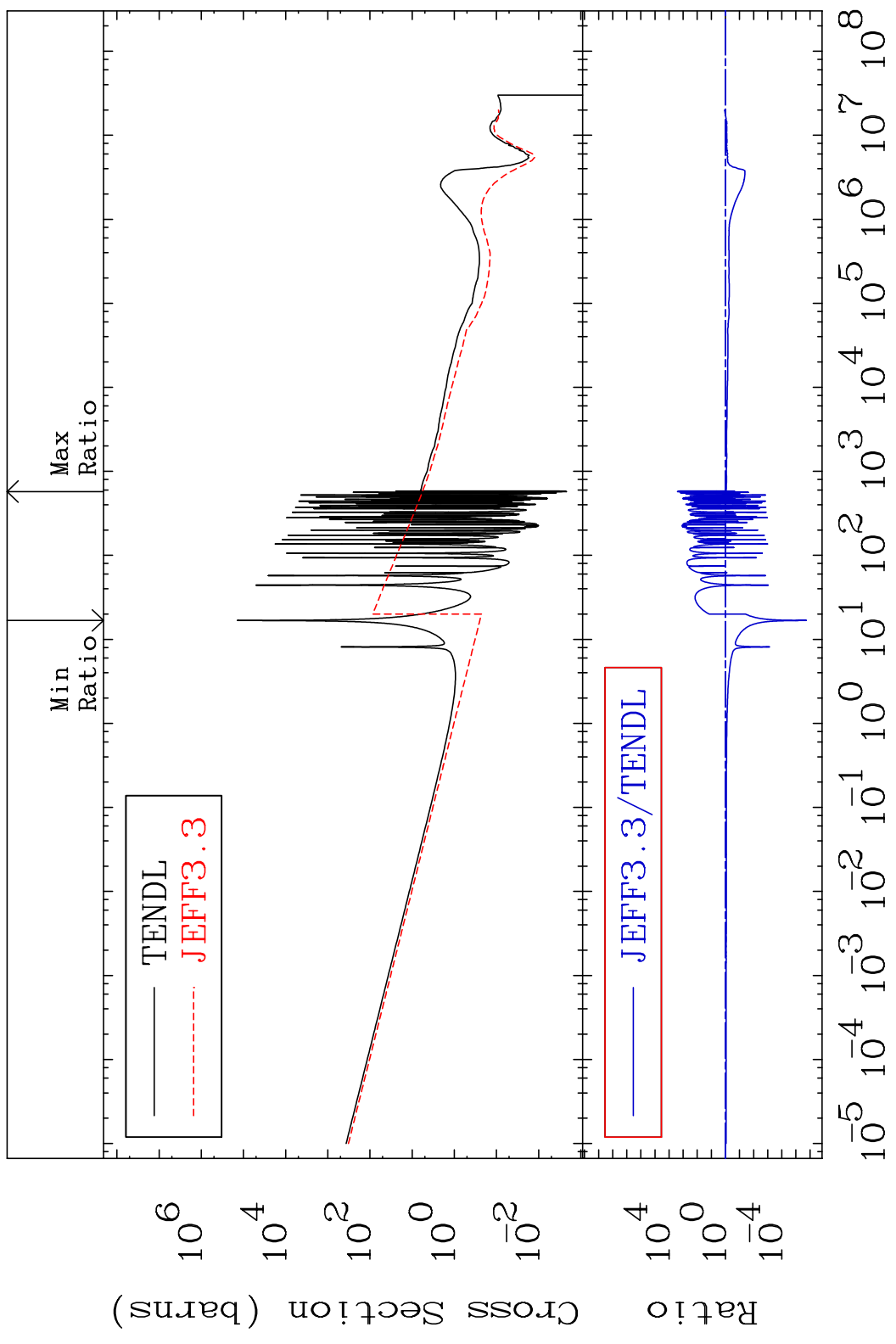


MAT 9046 Kerma fission (mt18 or mt19-20-21-38) 90-Th-234
 Cross Section -100.0 To 9999. %

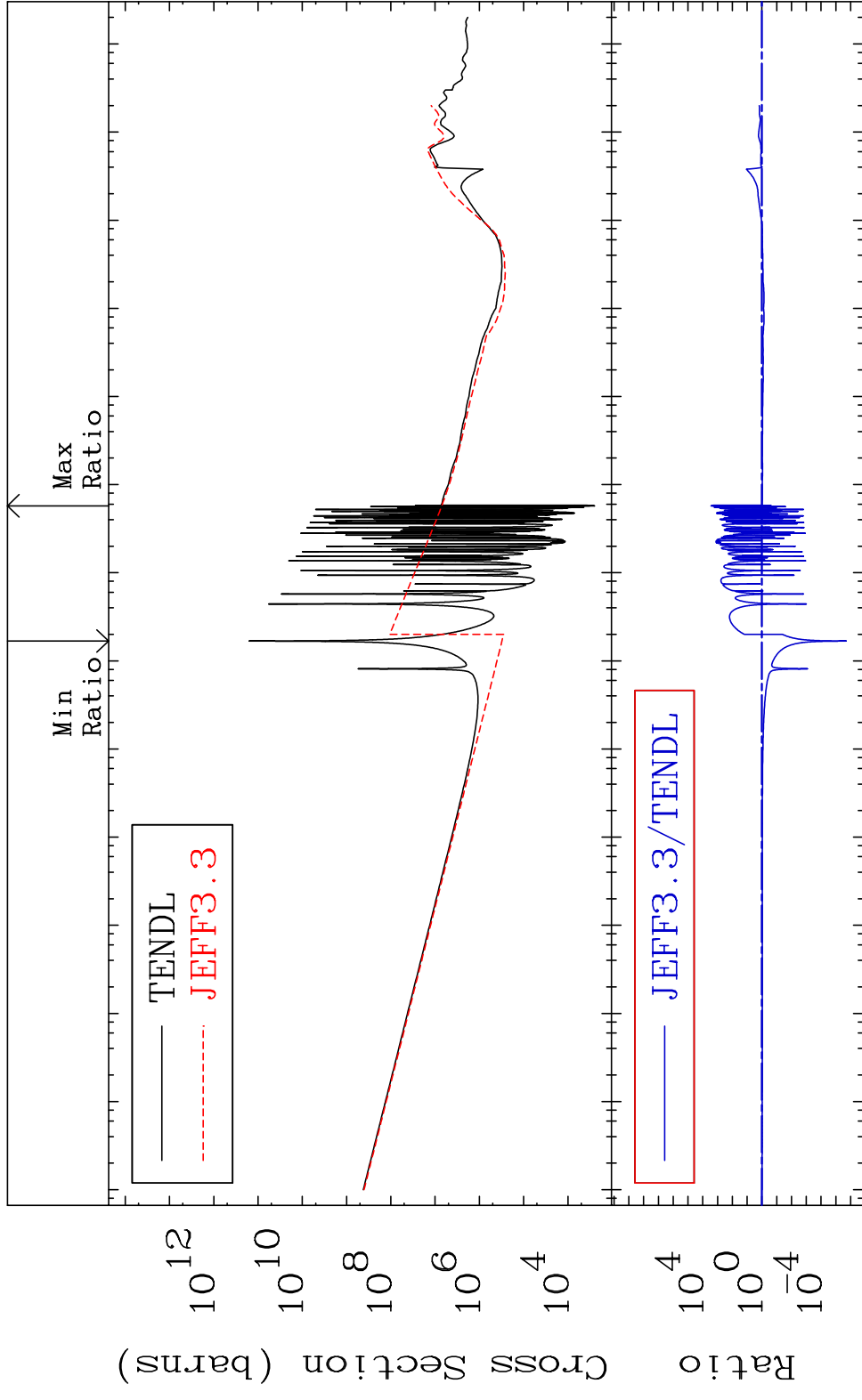


MAT 9046

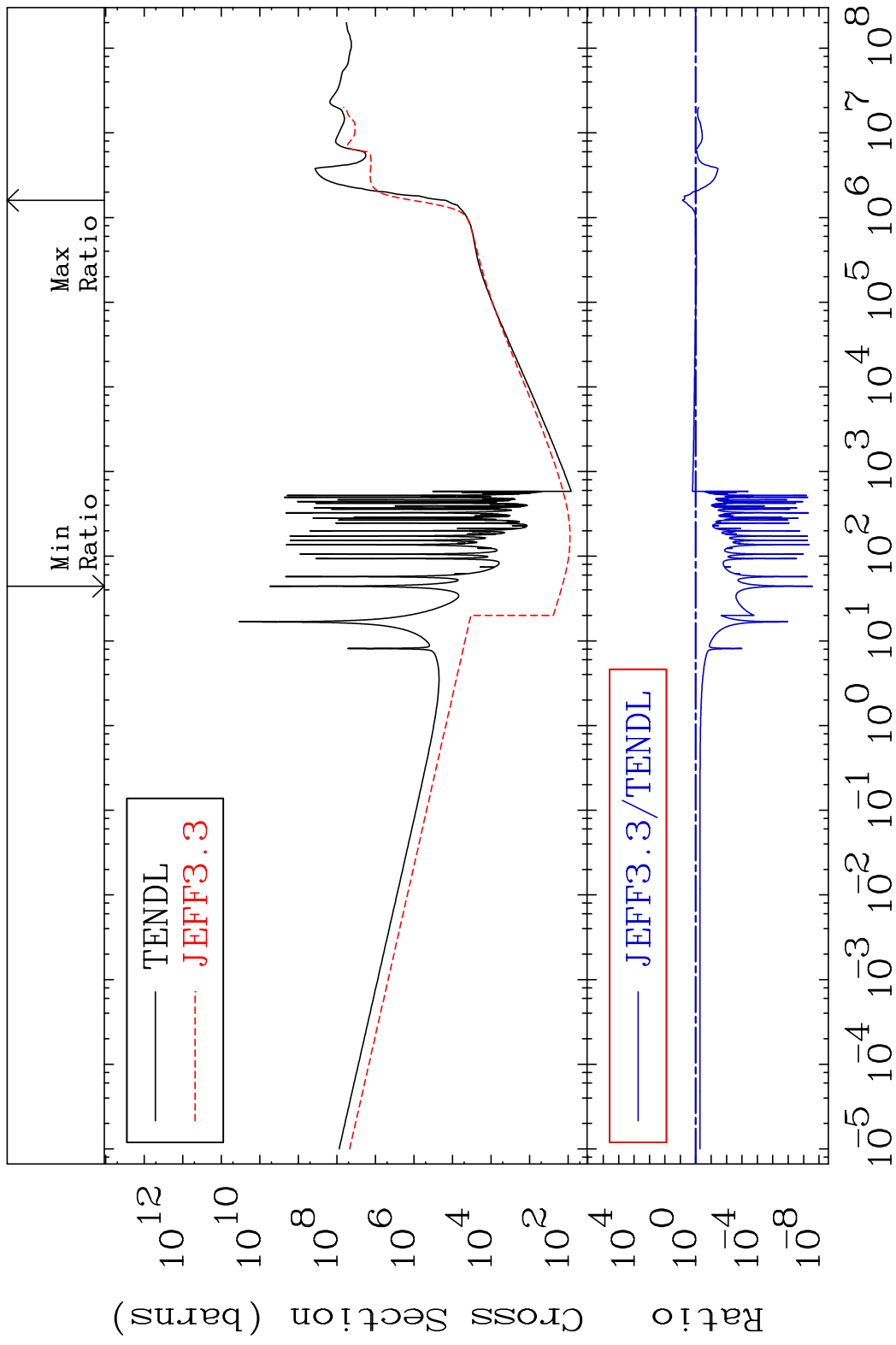
Kerma capture (mt102) 90-Th-234
Cross Section -100.0 To 9999. %



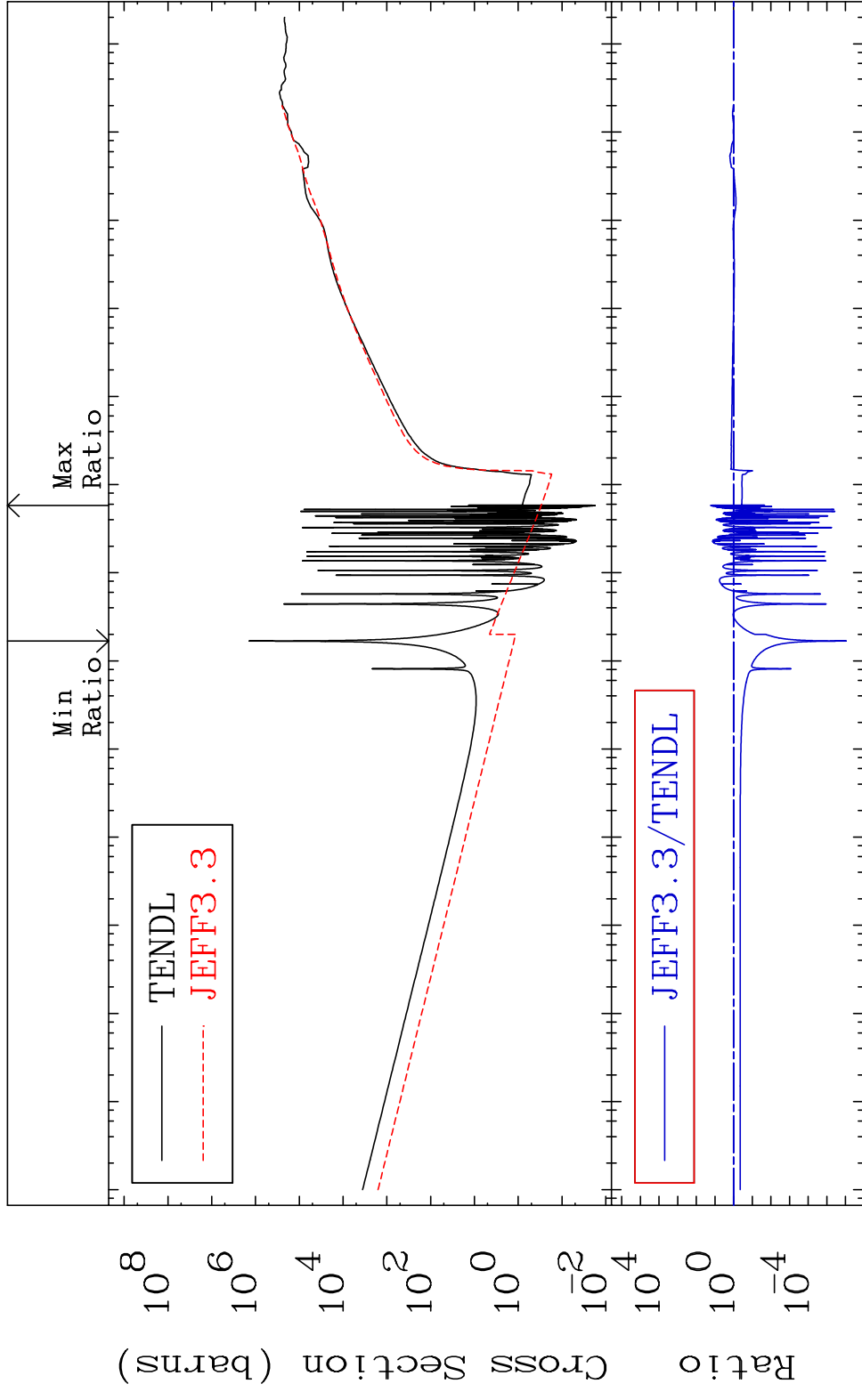
MAT 9046 Total photon (eV-barns) 90-Th-234
 Cross Section -100.0 To 9999. %



MAT 9046 Total kinematic kerma (high limit) 90-Th-234
 Cross Section -100.0 To 636.1 %



MAT 9046 Dpa total (eV-barns) 90-Th-234
 Cross Section -100.0 To 1589. %

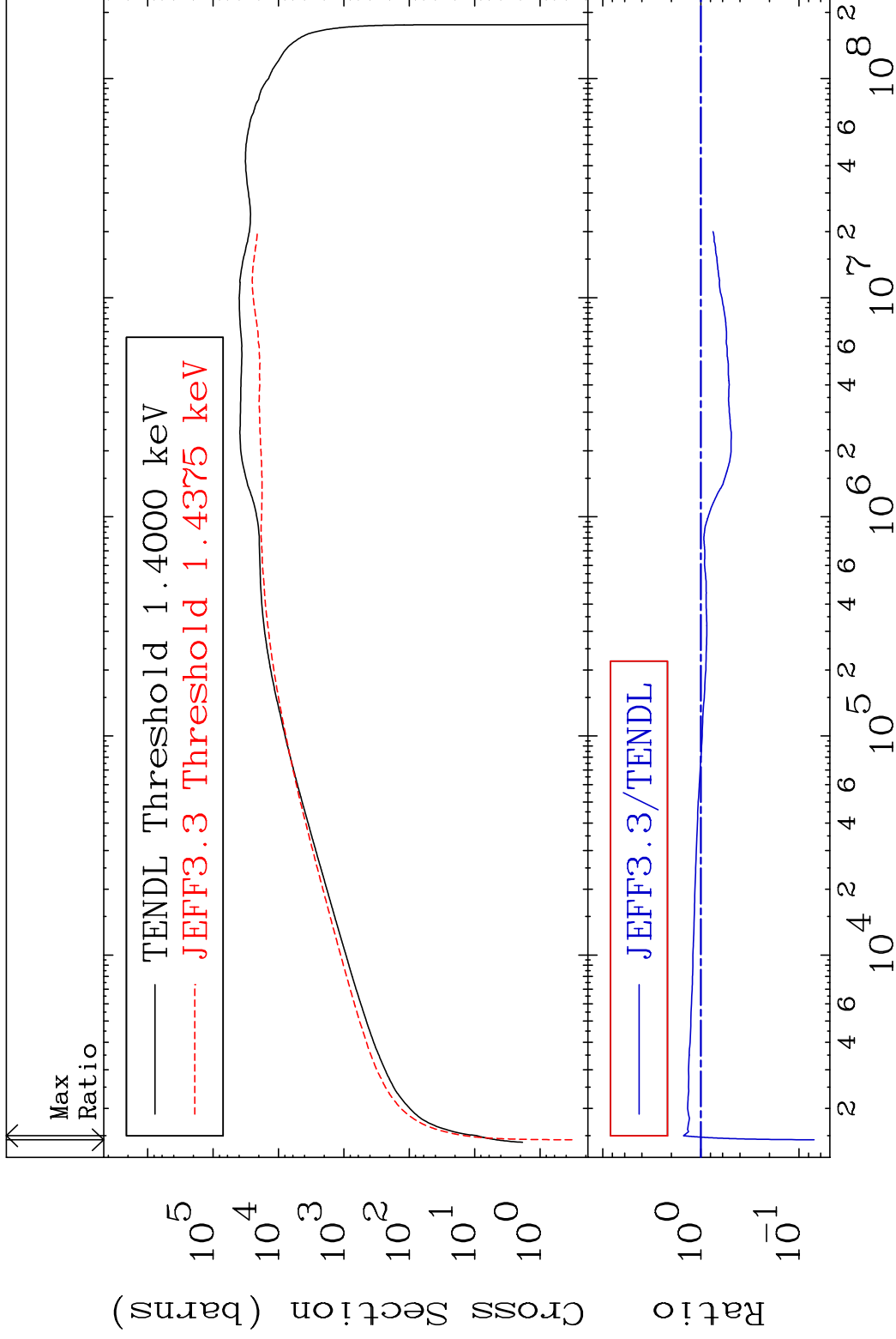


MAT 9046

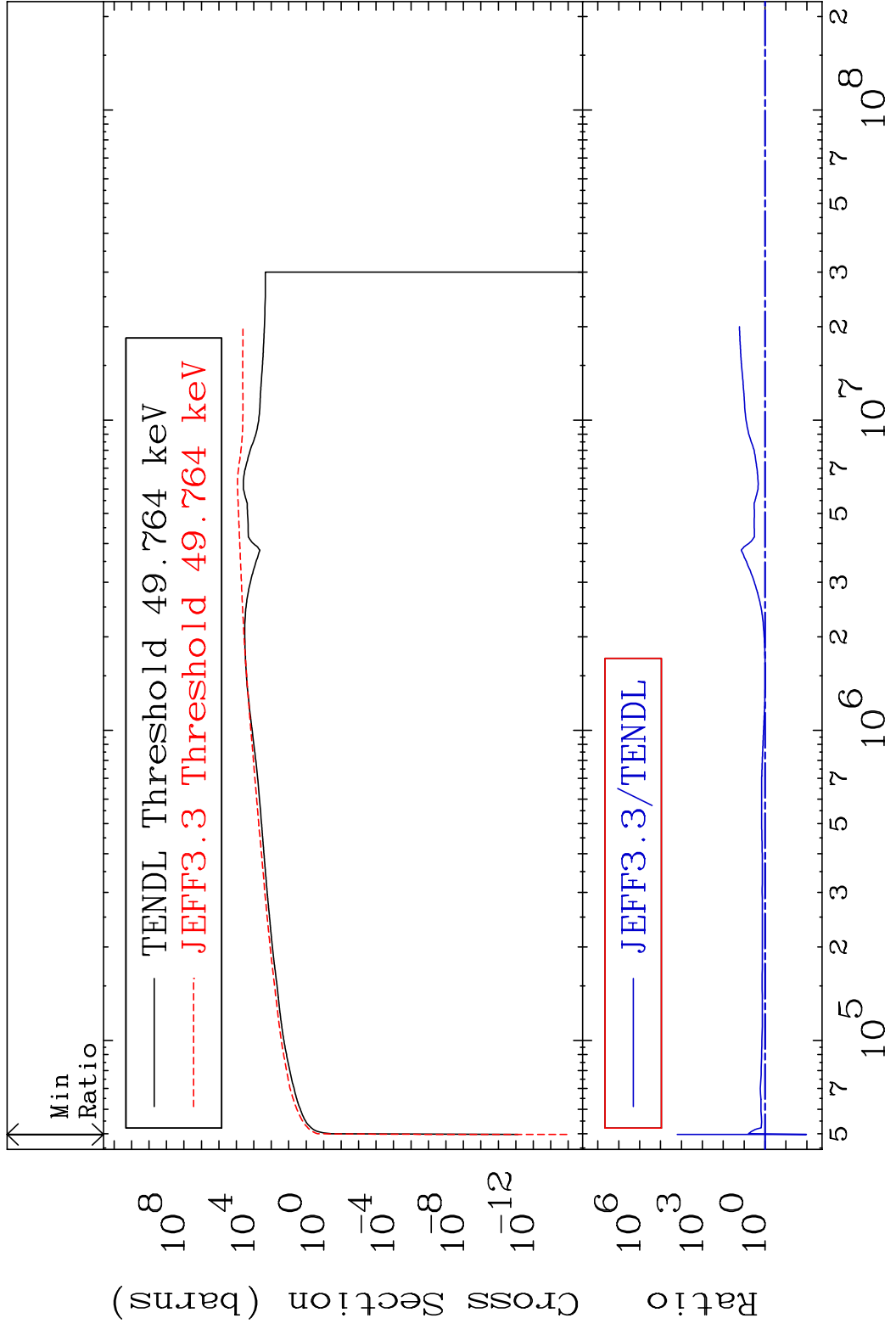
Dpa elastic (mt2)

90-Th-234

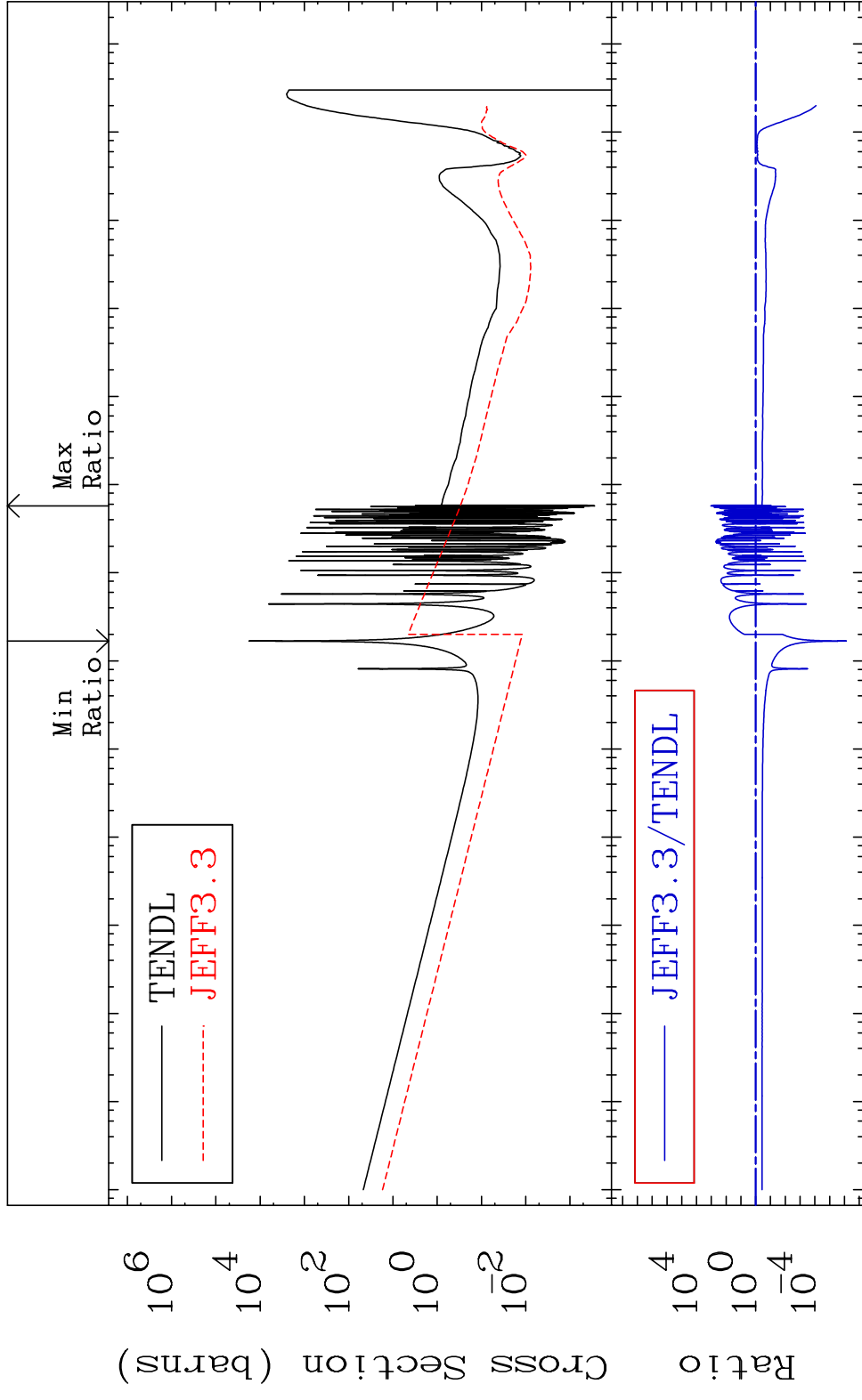
Cross Section -92.97 To 50.73 %



MAT 9046 Dpa inelastic (mt51-91) 90-Th-234
 Cross Section -98.95 To 9999. %



MAT 9046 Dpa disappearance (mt102 -120) 90-Th-234
 Cross Section -100.0 To 9999. %



Ratio
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^4
 10^0
 10^{-4}
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8