

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

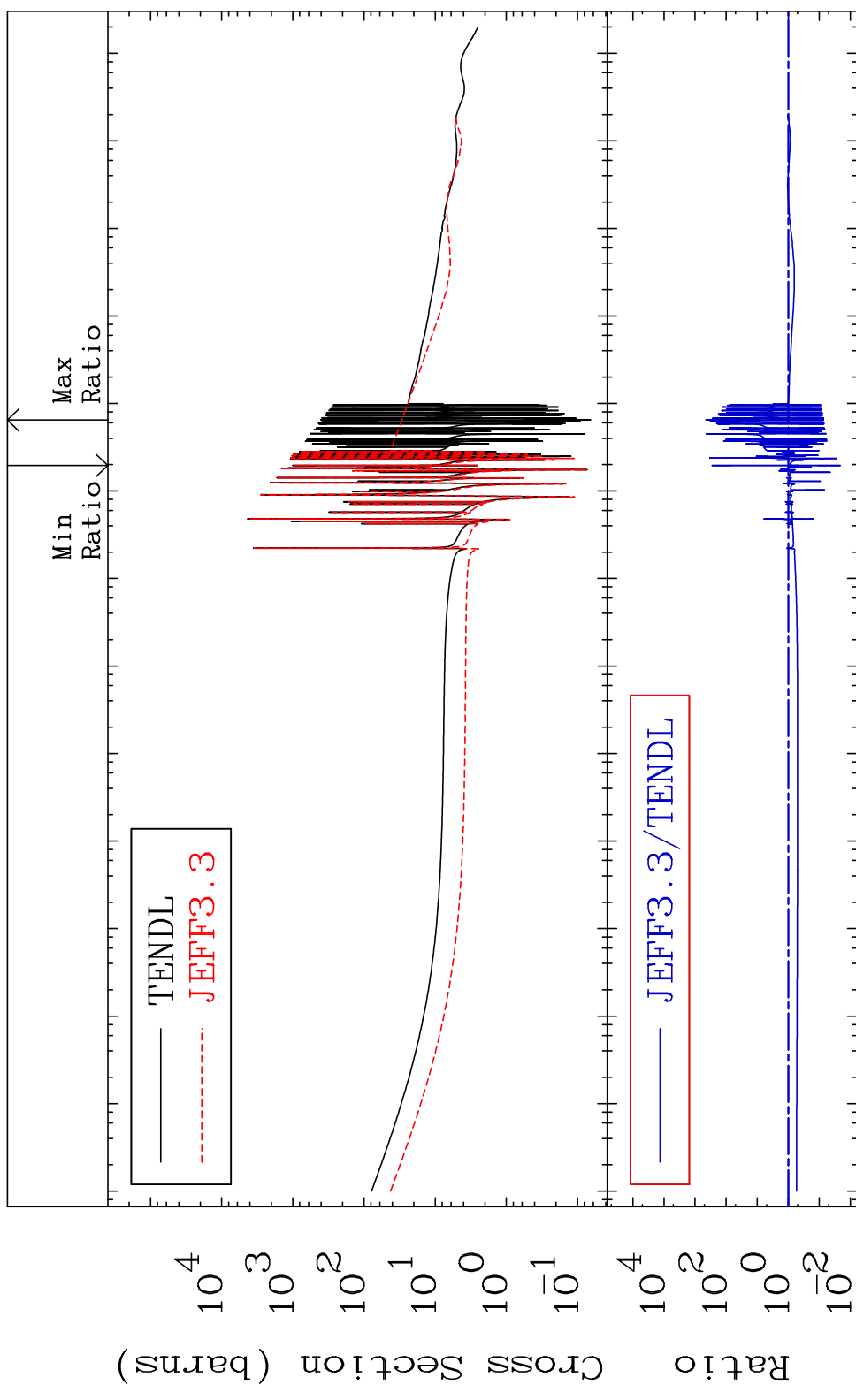
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6449

Total Cross Section -97.91 To 9999. %
64-Gd-160

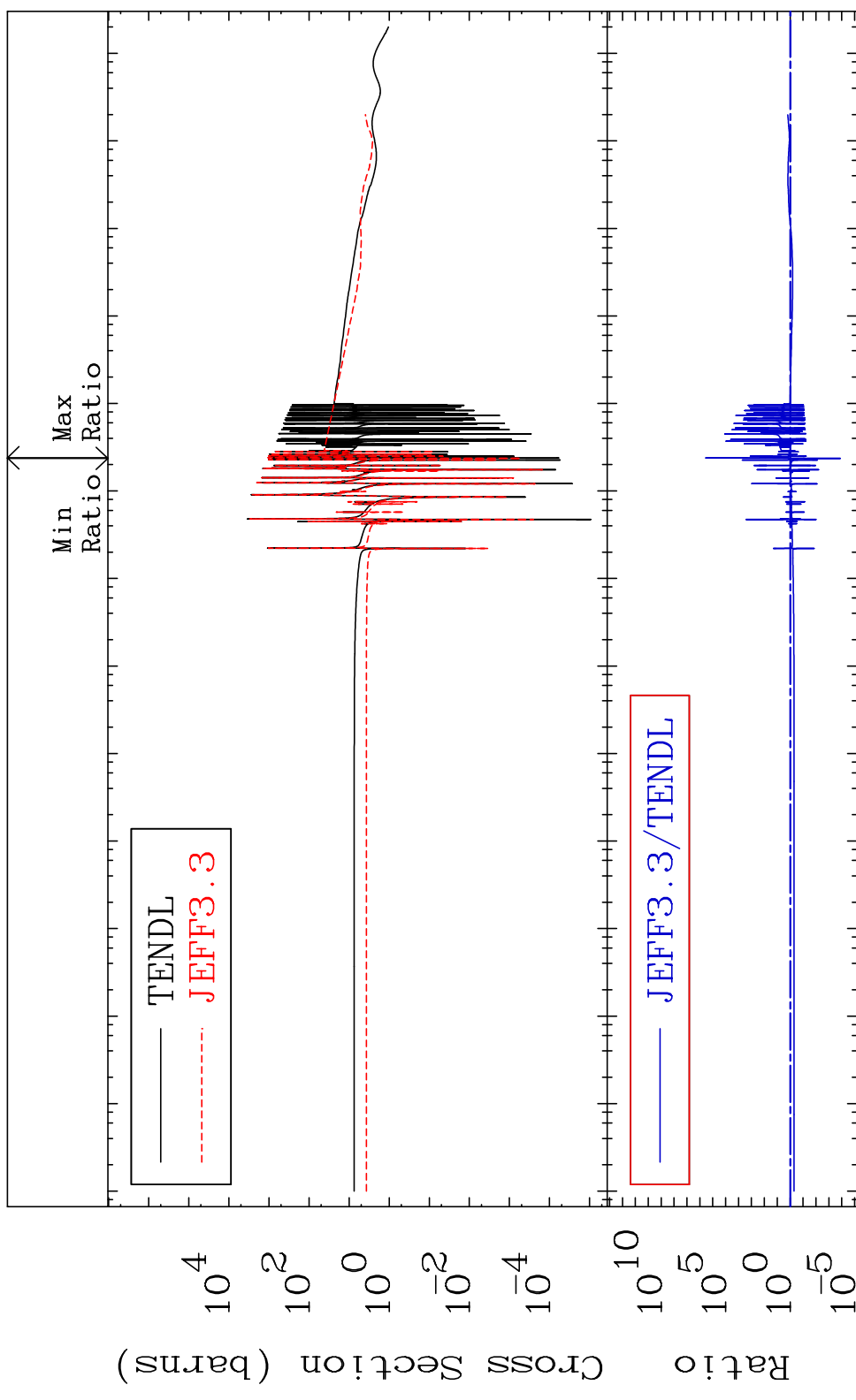


1 Incident Energy (eV) 64-Gd-160

MAT 6449

Elastic Cross Section -99.99 To 9999. %

64-Gd-160

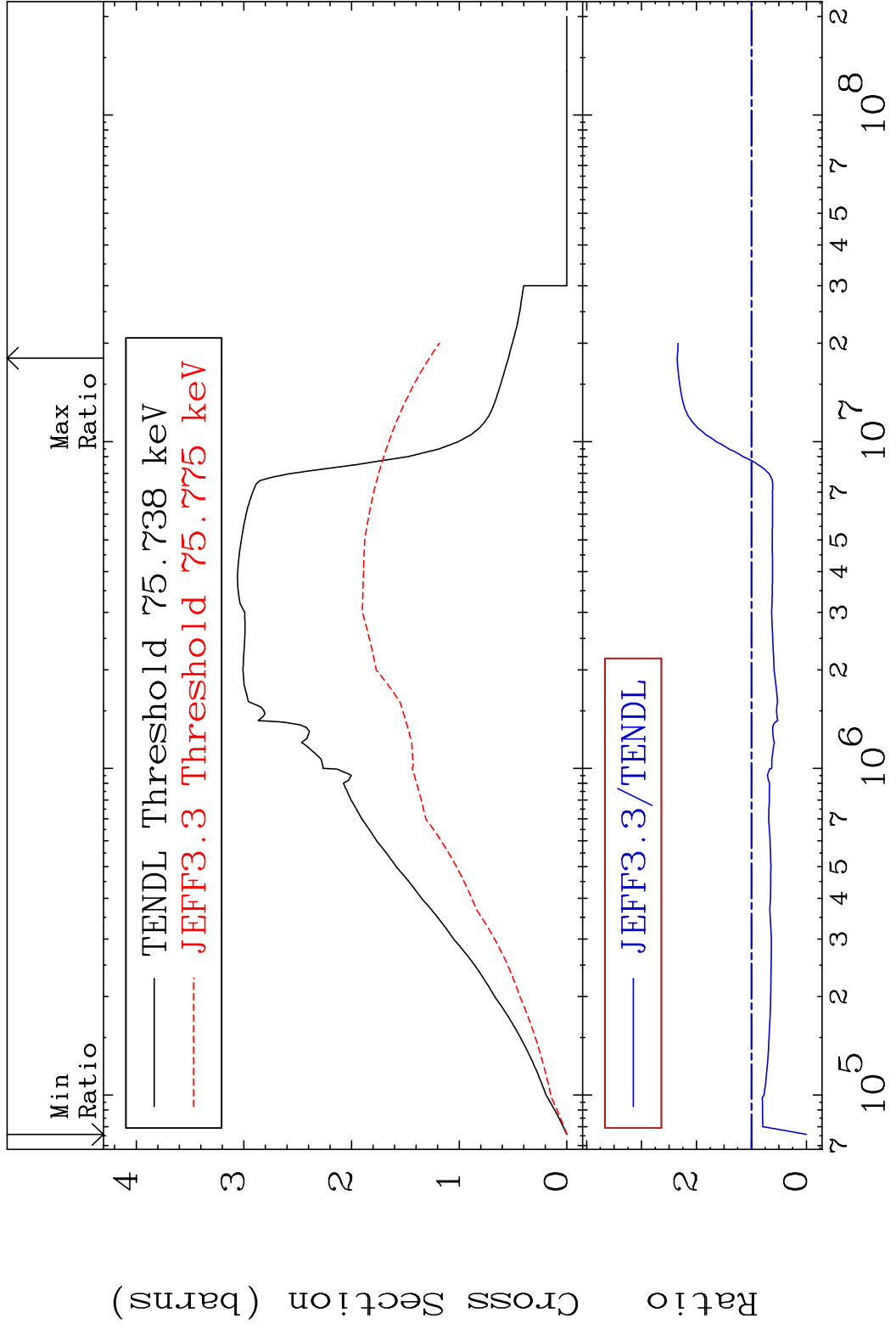


2

Incident Energy (eV)

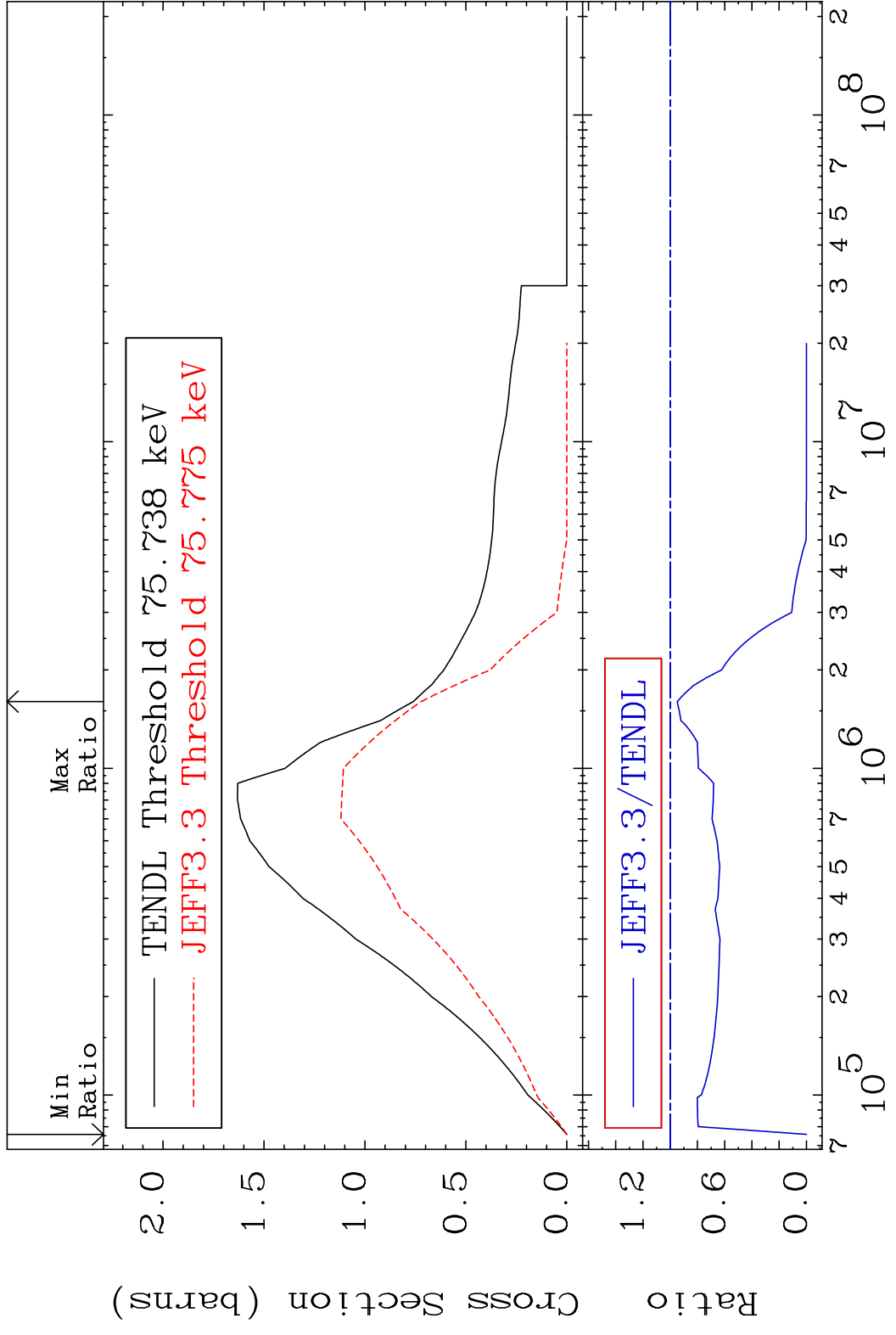
64-Gd-160

MAT 6449 Inelastic 64-Gd-160
 Cross Section -100.0 To 135.2 %



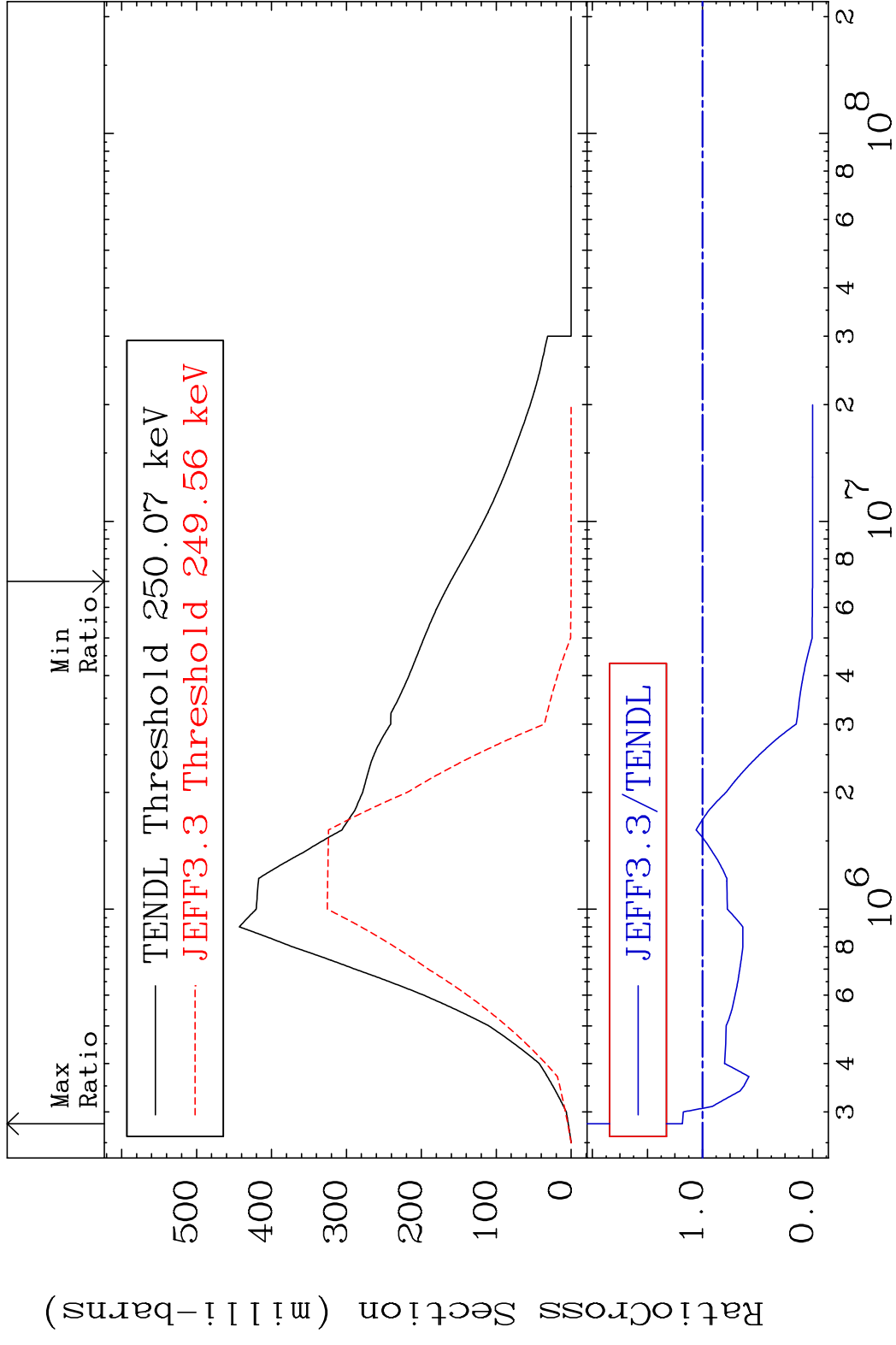
3 64-Gd-160

MAT 6449 MT= 51 (n, n') Level 64-Gd-160
 Cross Section -100.0 To -5.122%

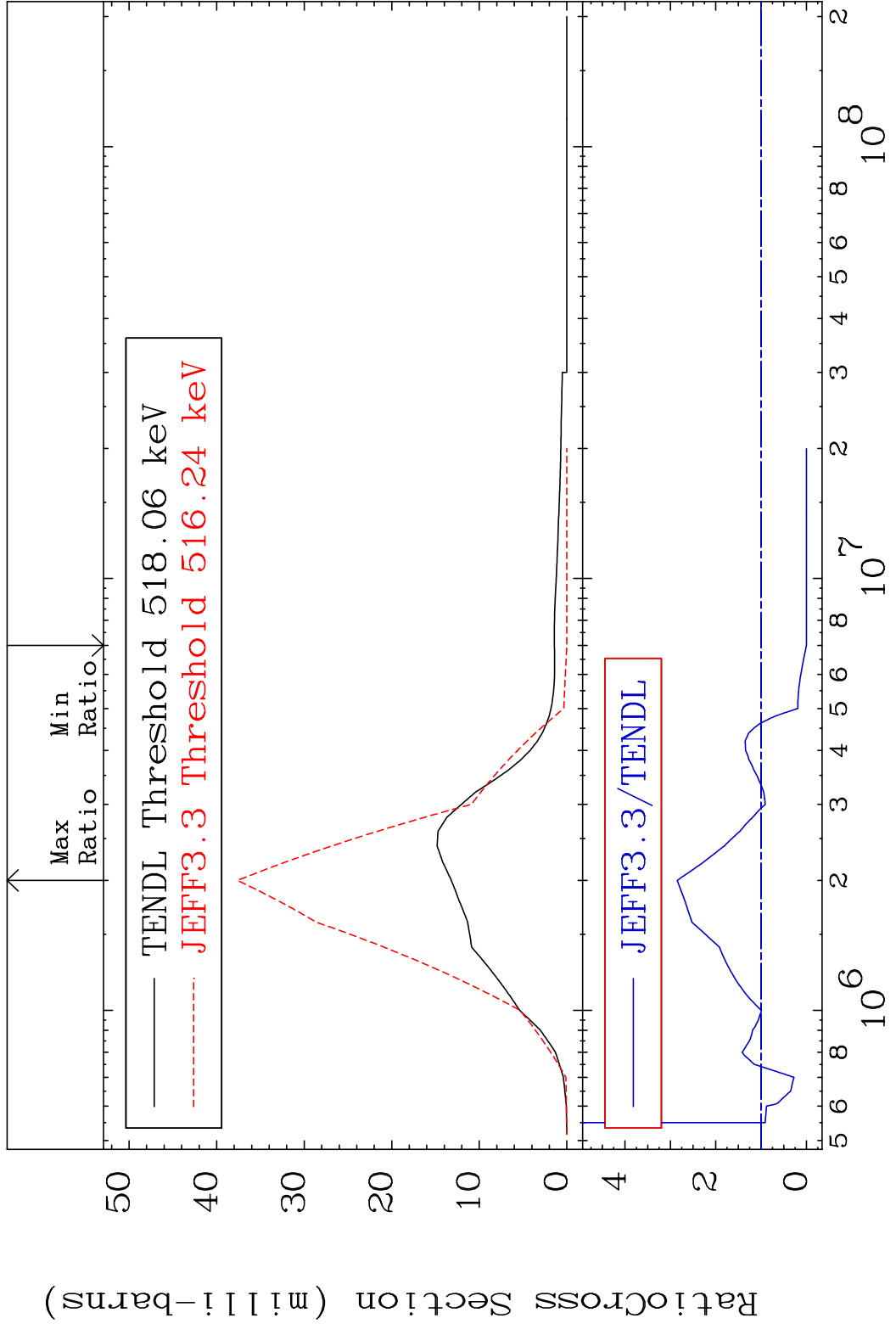


4 2 3 3 4 5 7 7 2 3 3 4 5 7 8 2
 10⁵ 10⁶ 10⁷ 10⁸
 64-Gd-160

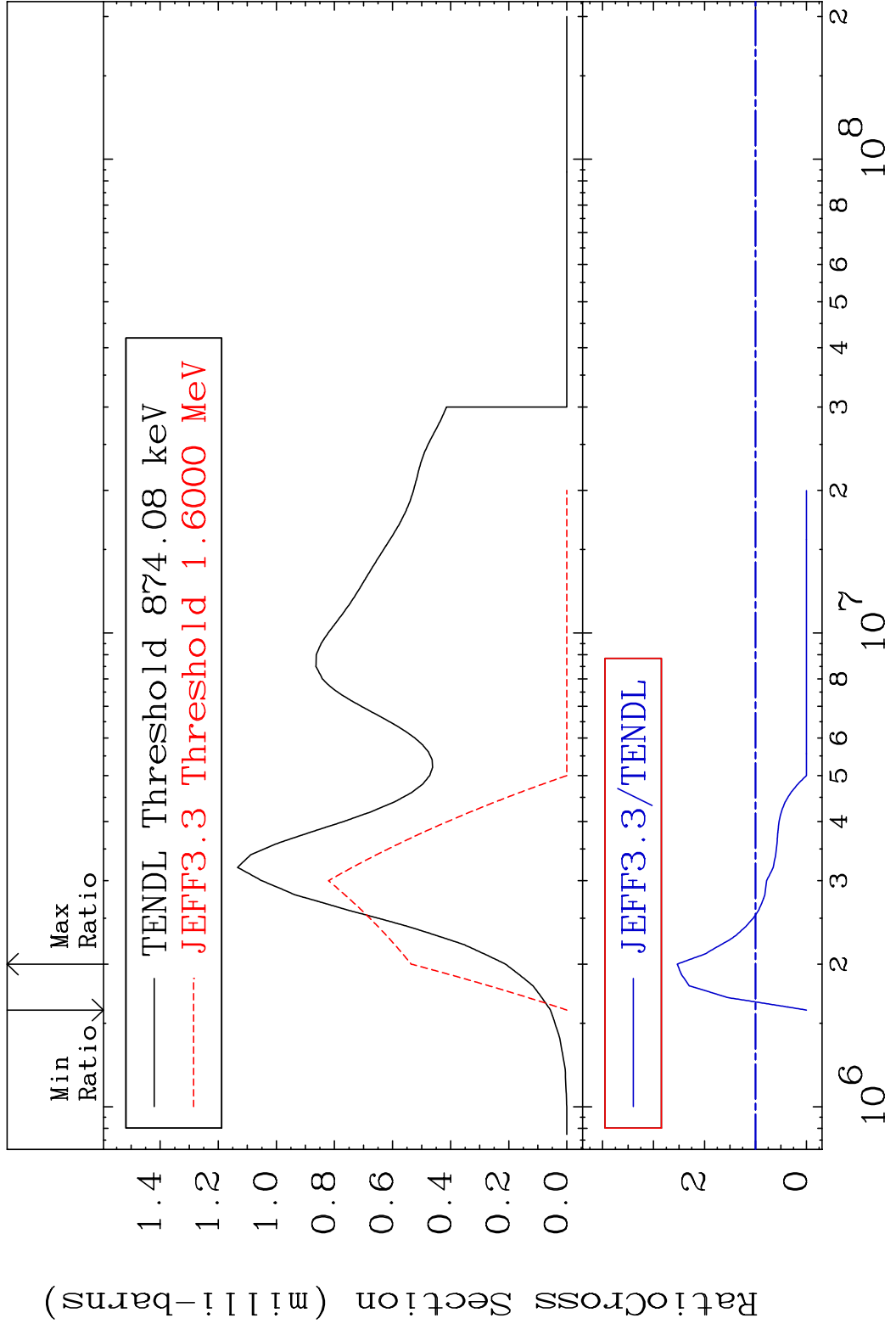
MAT 6449 MT= 52 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 18.25 %



MAT 6449 MT= 53 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 185.0 %

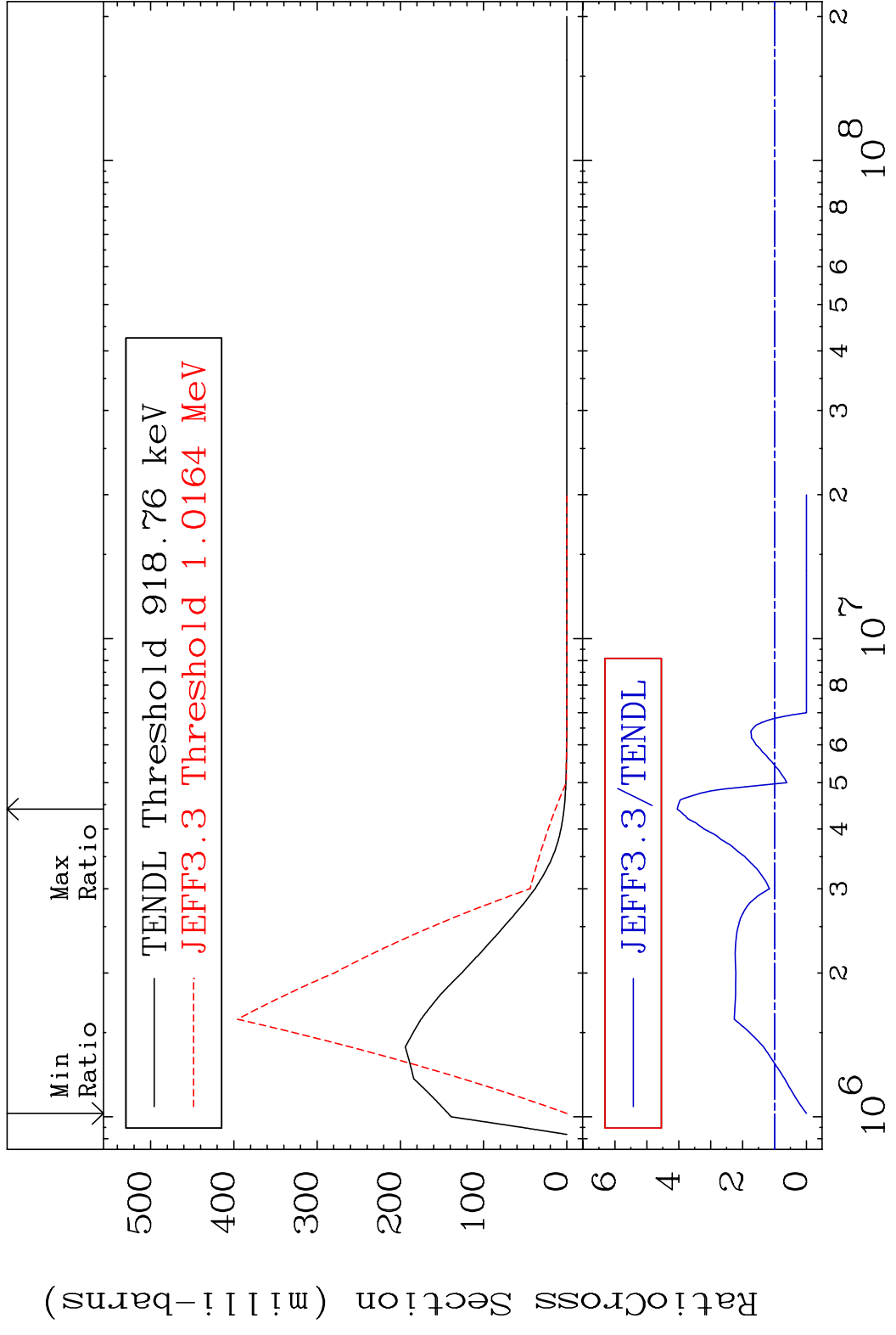


MAT 6449 MT= 54 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 153.6 %



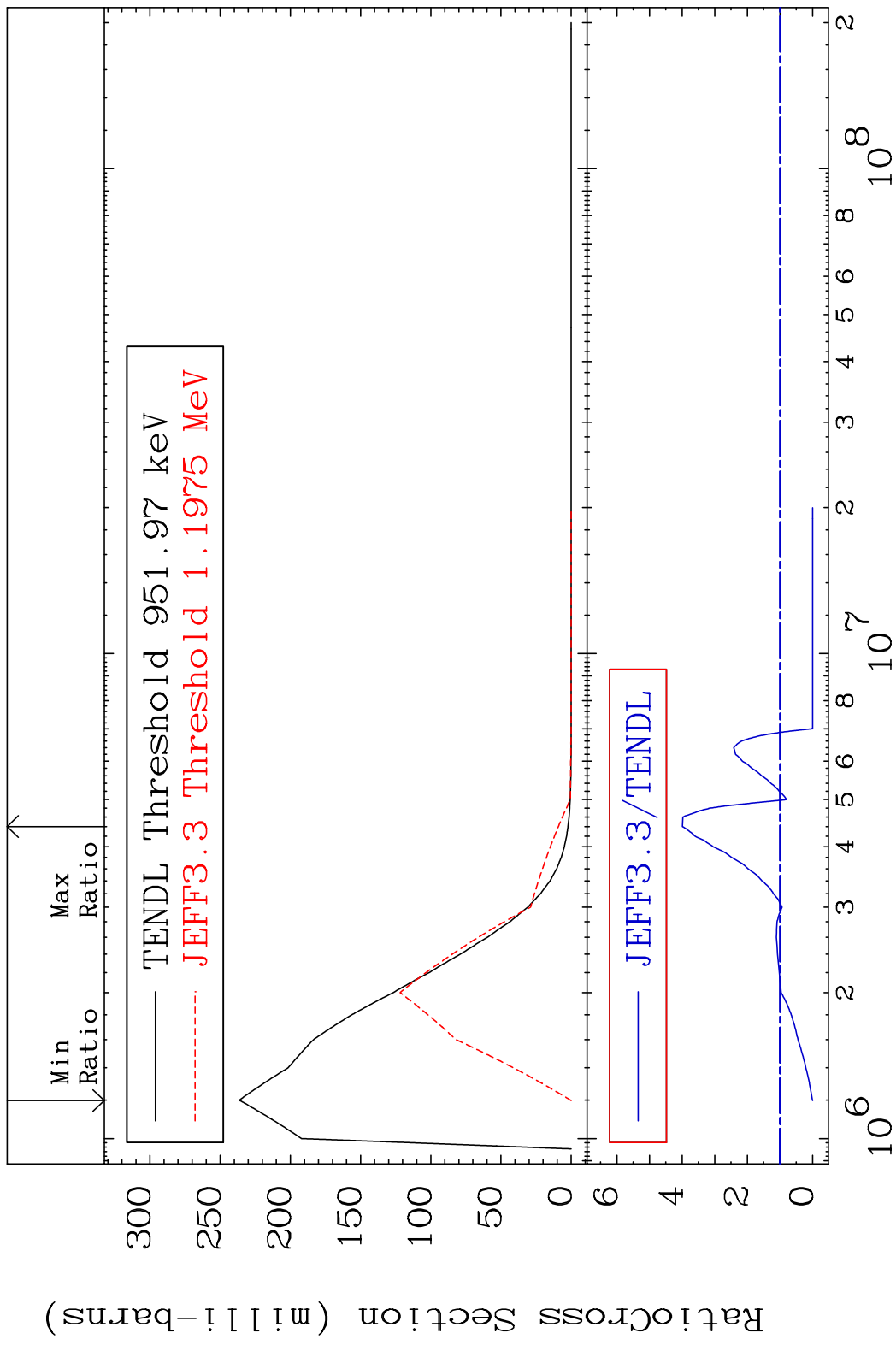
7 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 55 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 304.8 %

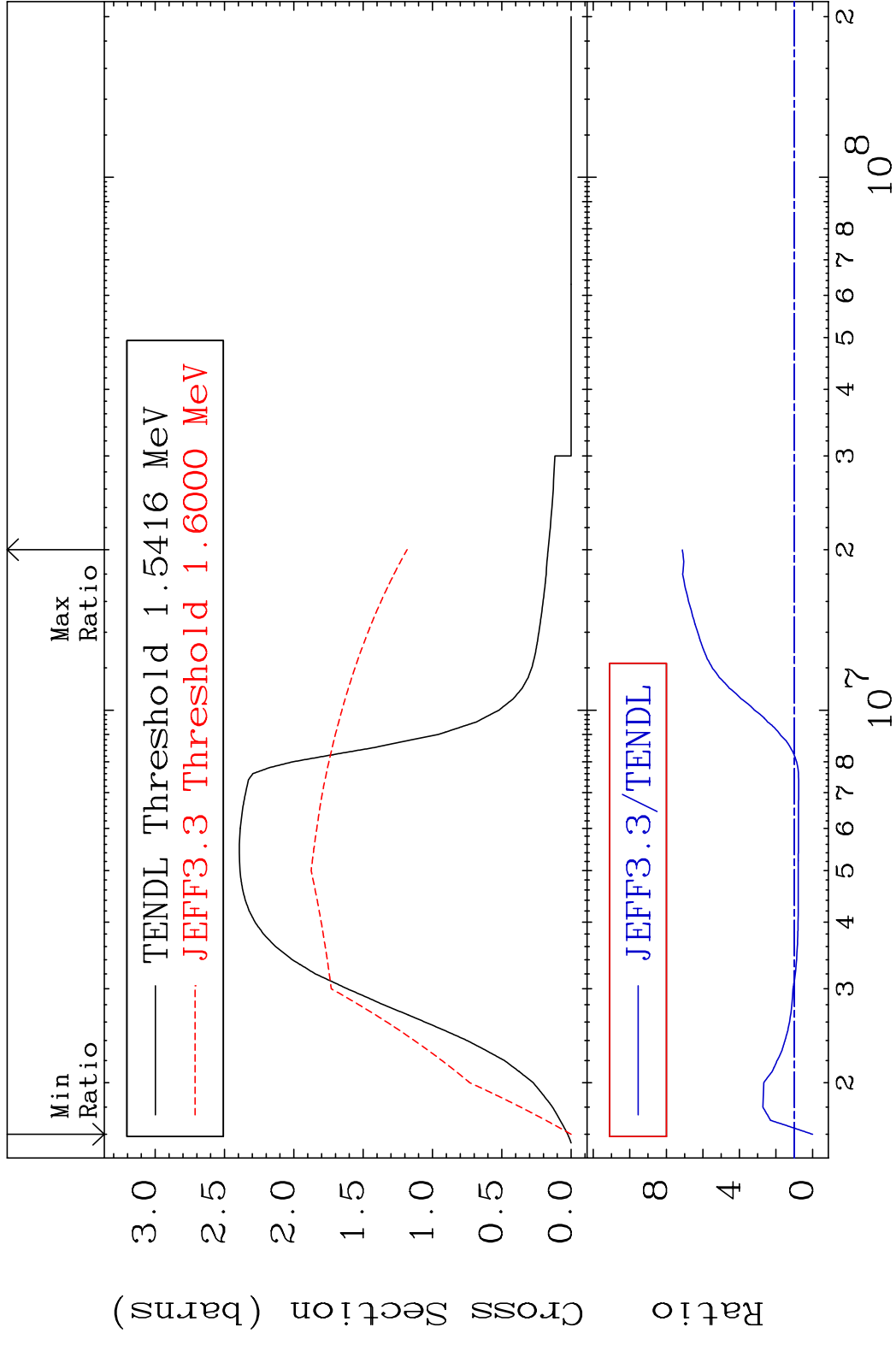


8 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 64-Gd-160

MAT 6449 MT= 56 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 299.2 %



MAT 6449 (n, n') Continuum 64-Gd-160
 Cross Section -100.0 To 612.3 %



10 Incident Energy (eV) 64-Gd-160

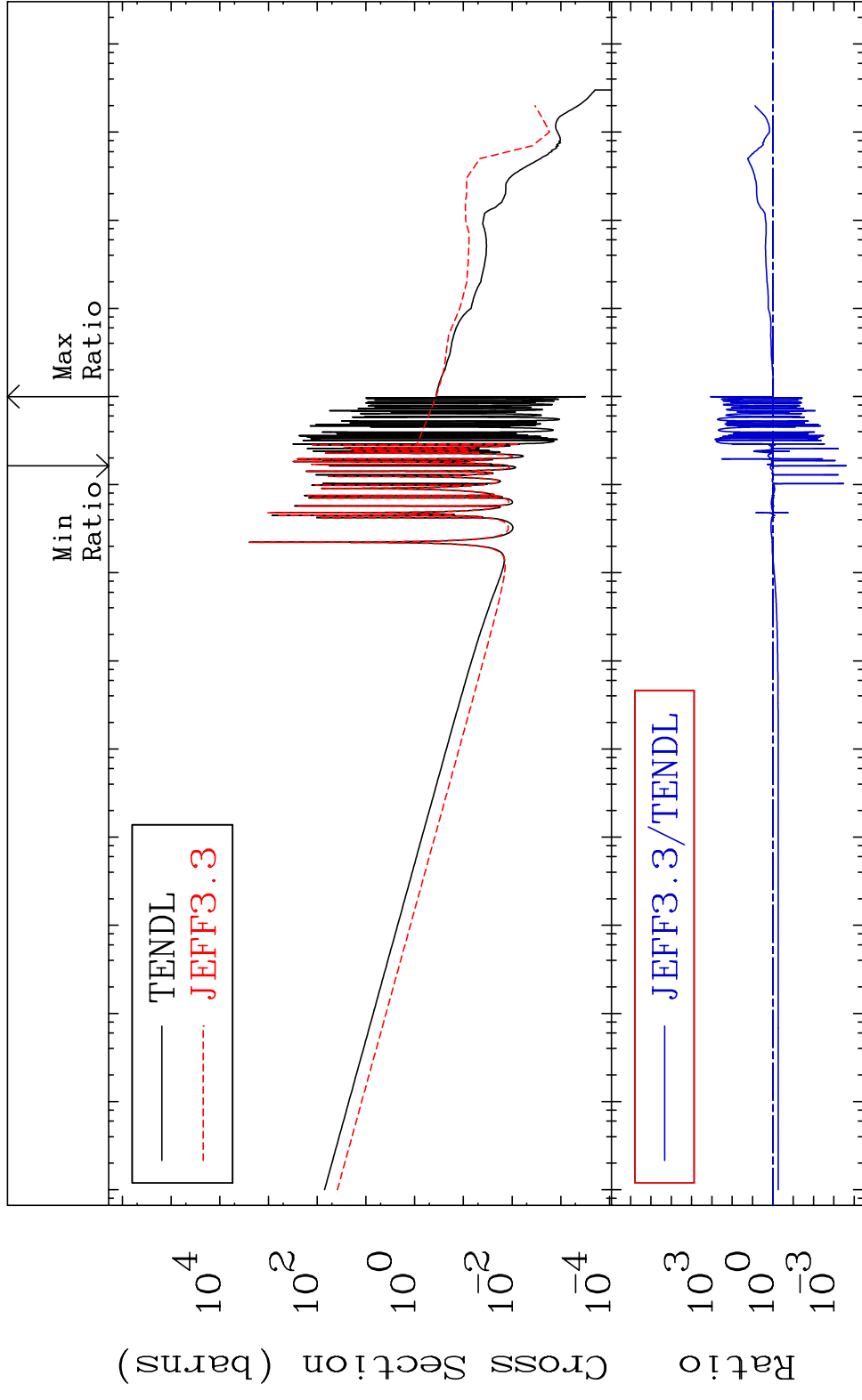
MAT 6449

(n, γ)

64-Gd-160

Cross Section

-99.98 To 9999. %

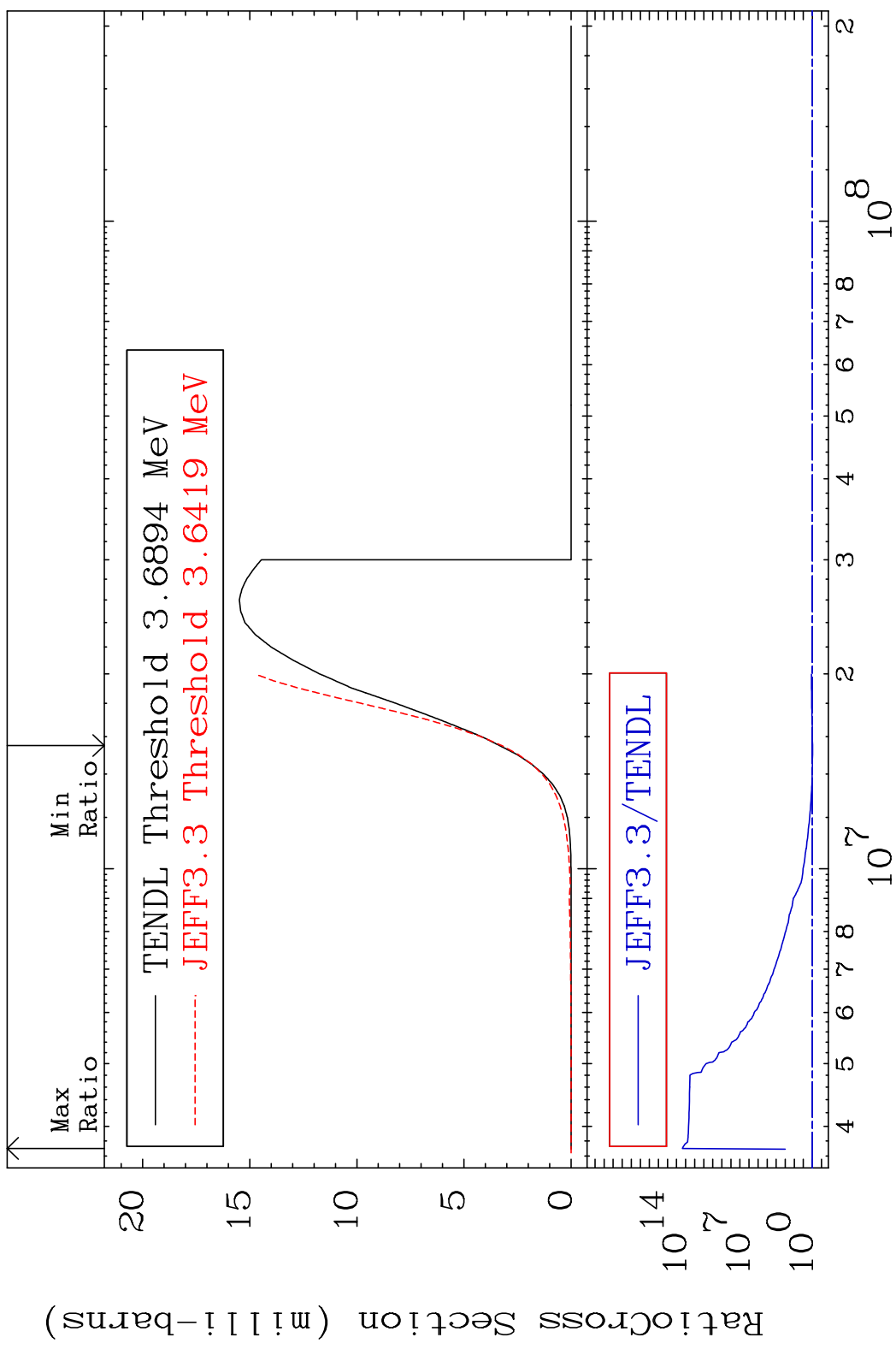


MAT 6449

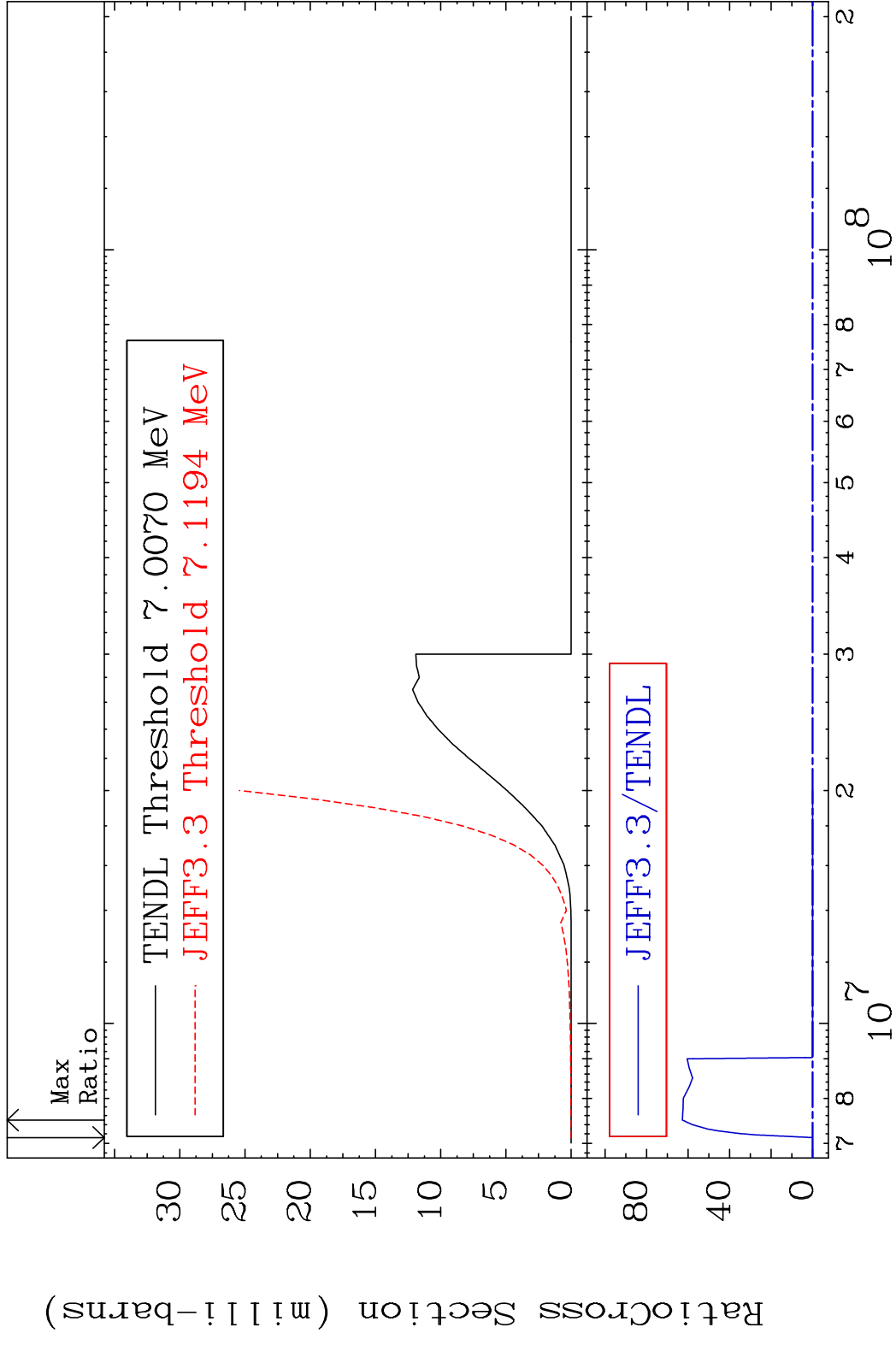
(n, p)

64-Gd-160

Cross Section -3.253 To 9999. %



MAT 6449 (n,d) 64-Gd-160
 Cross Section -100.0 To 9999. %

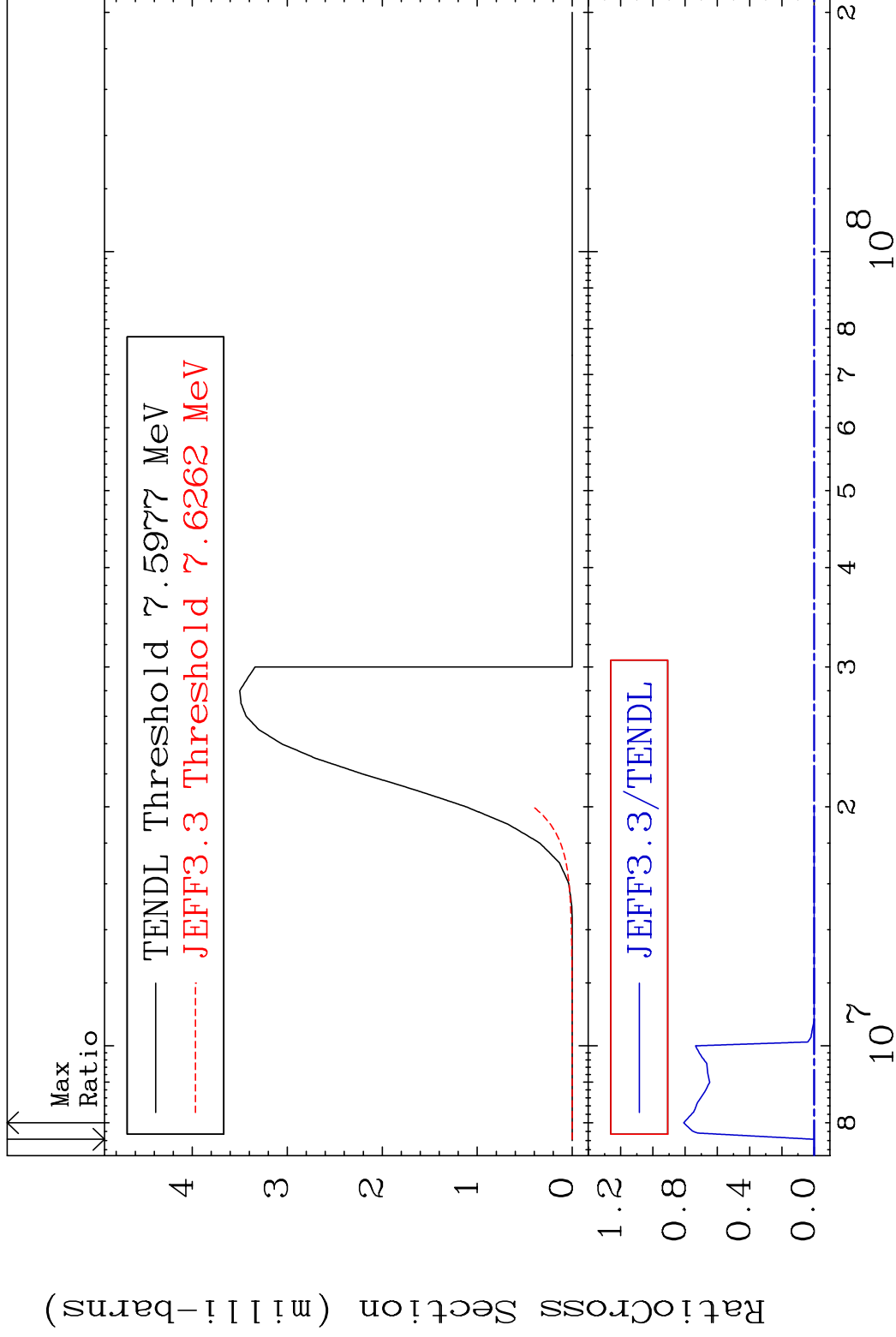


MAT 6449

(n, t)

64-Gd-160

Cross Section -100.0 To 9999. %

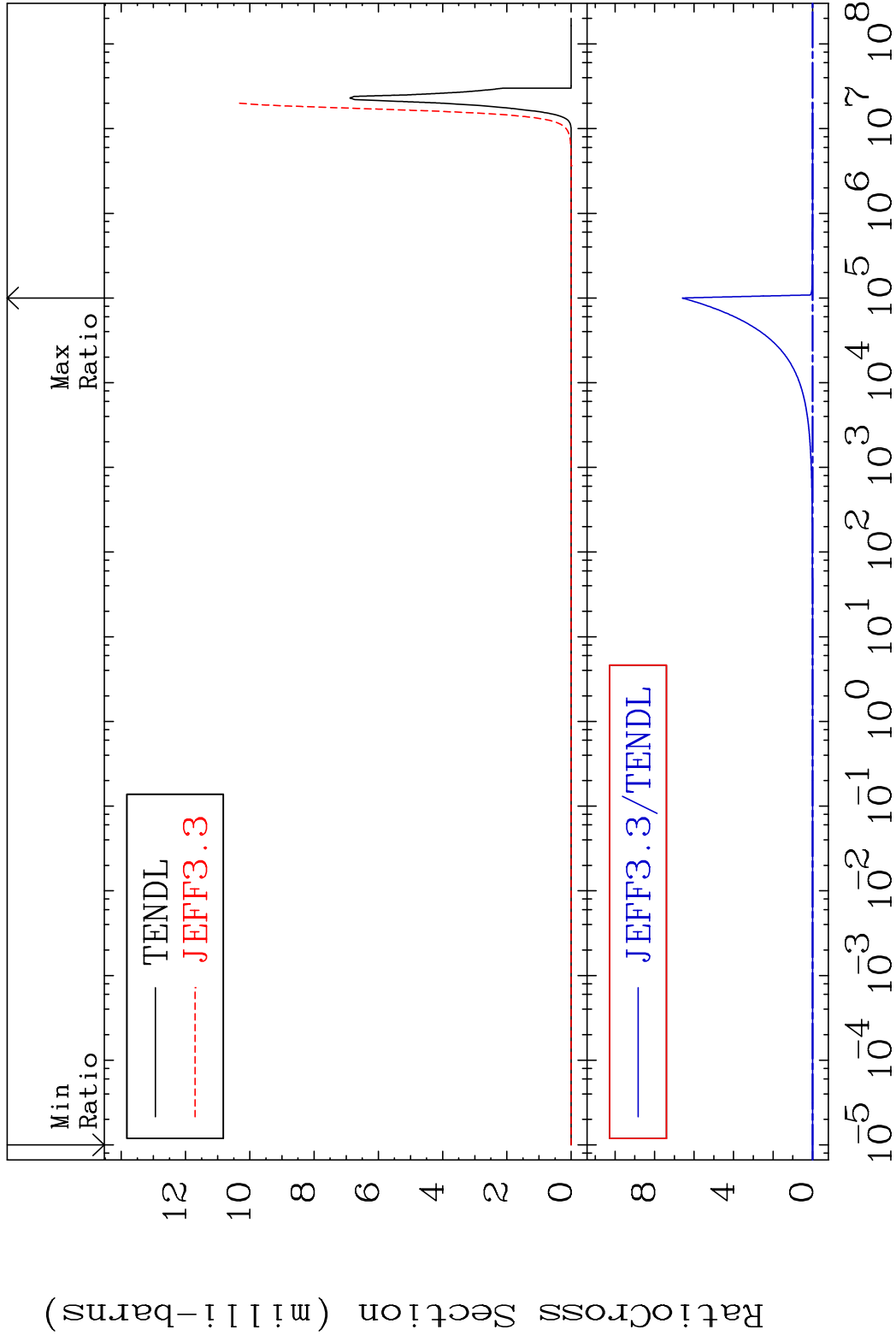


MAT 6449

(n, α)

64-Gd-160

Cross Section -100.0 To 9999. %



15

Incident Energy (eV)

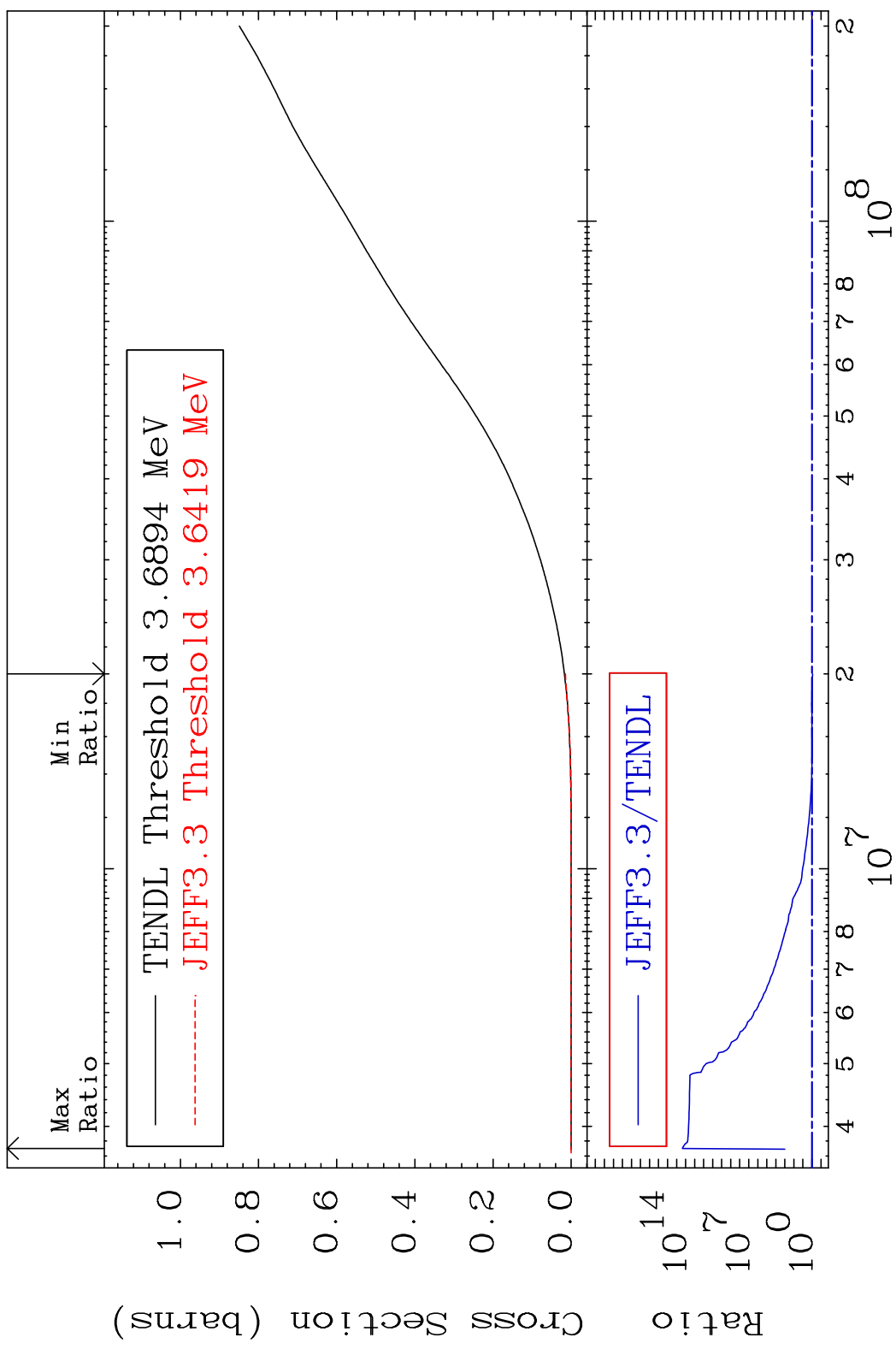
64-Gd-160

MAT 6449

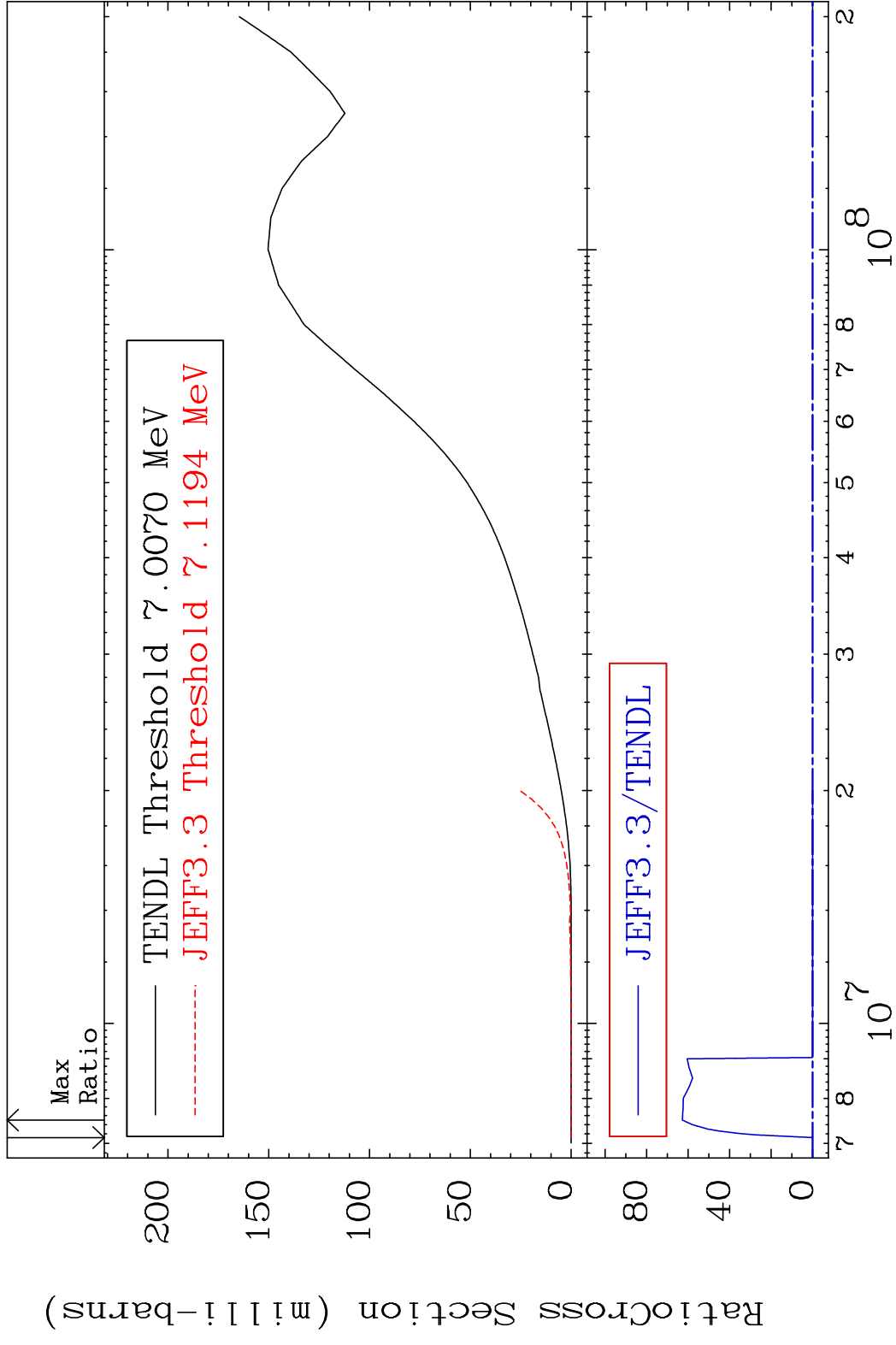
Hydrogen Production

64-Gd-160

Cross Section -14.90 To 9999. %

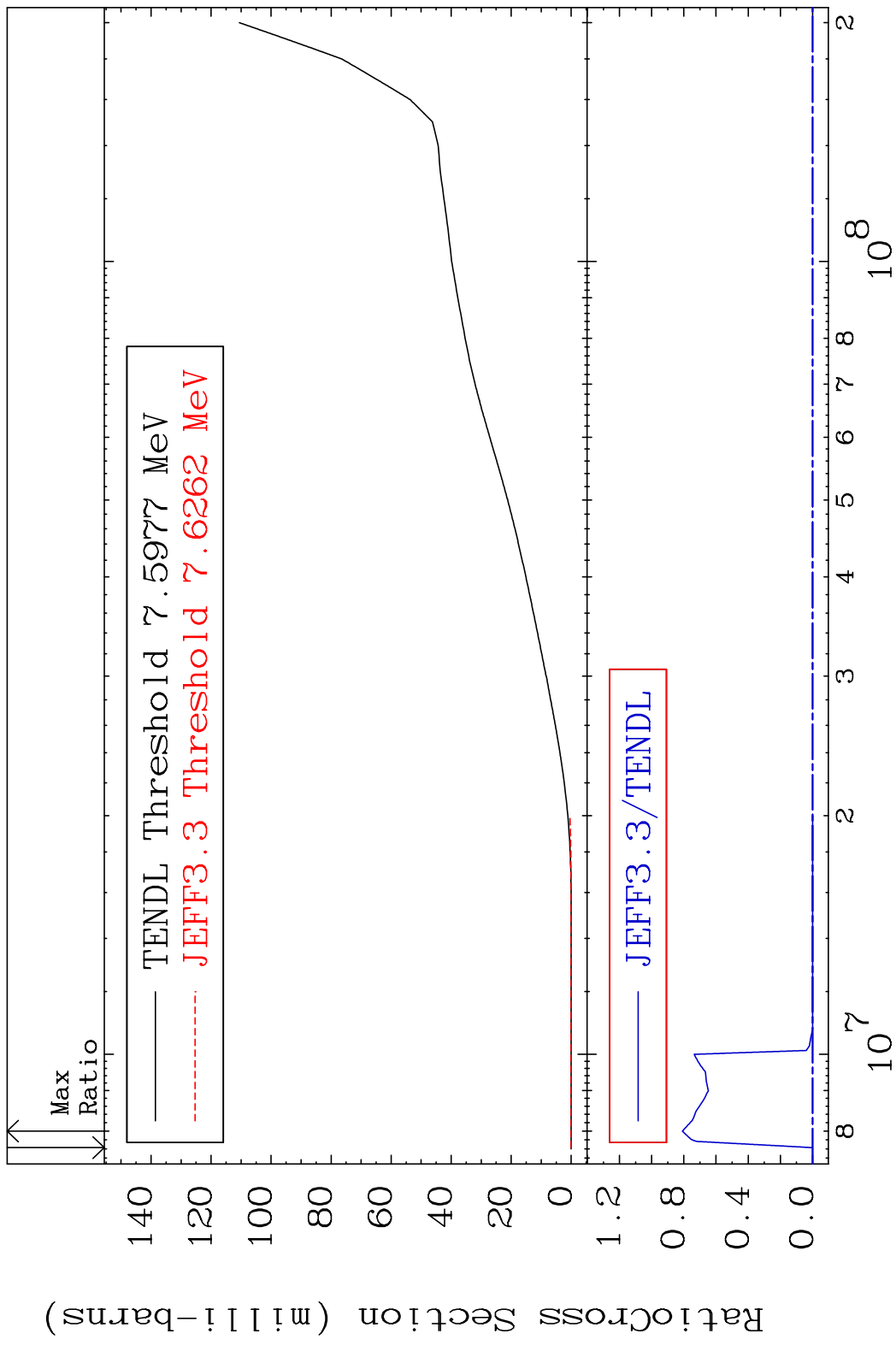


MAT 6449 Deuterium Production 64-Gd-160
 Cross Section -100.0 To 9999. %



17 Incident Energy (eV) 64-Gd-160

MAT 6449 Tritium Production 64-Gd-160
 Cross Section -100.0 To 9999. %

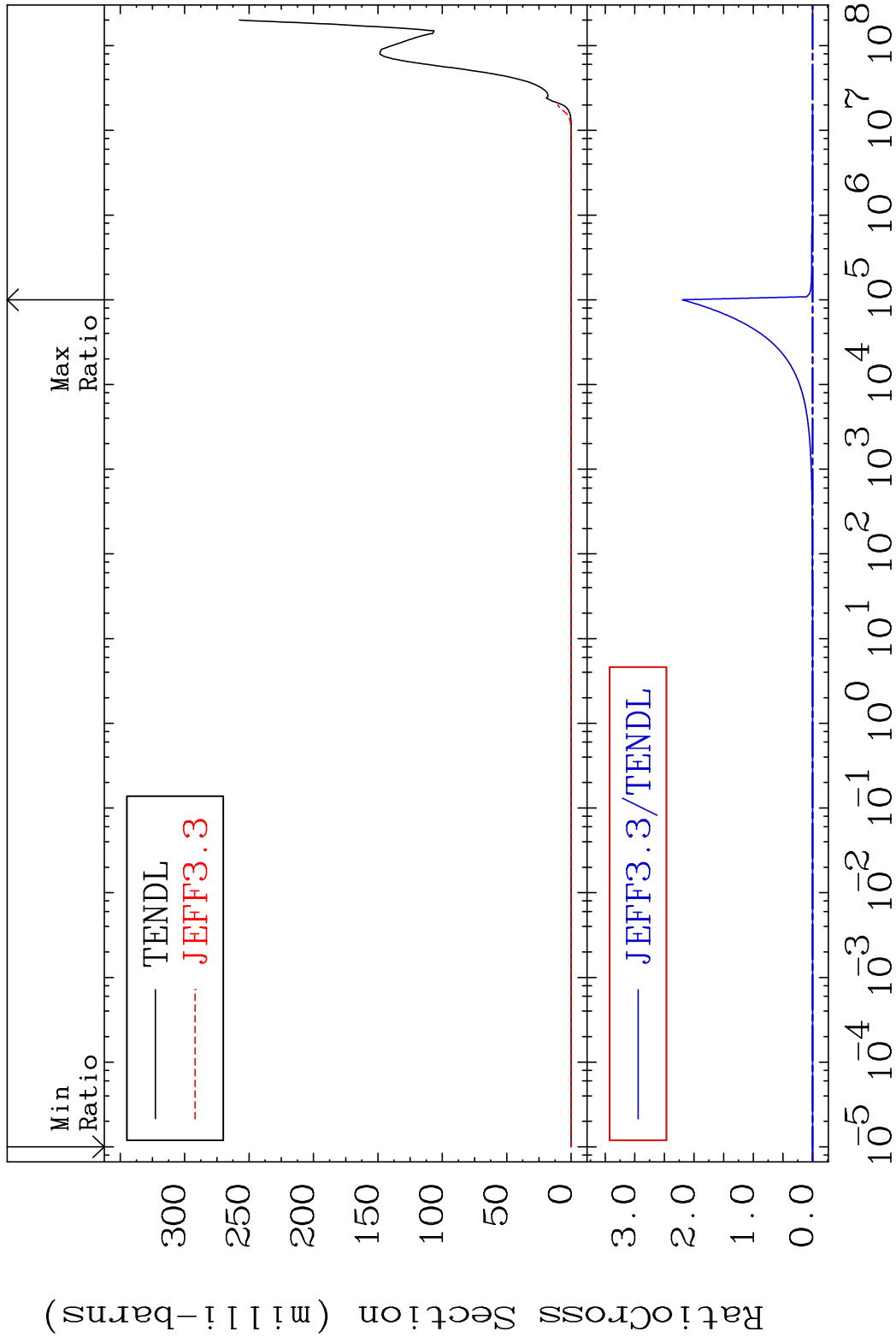


MAT 6449

He-4 Production

64-Gd-160

Cross Section -100.0 To 9999. %

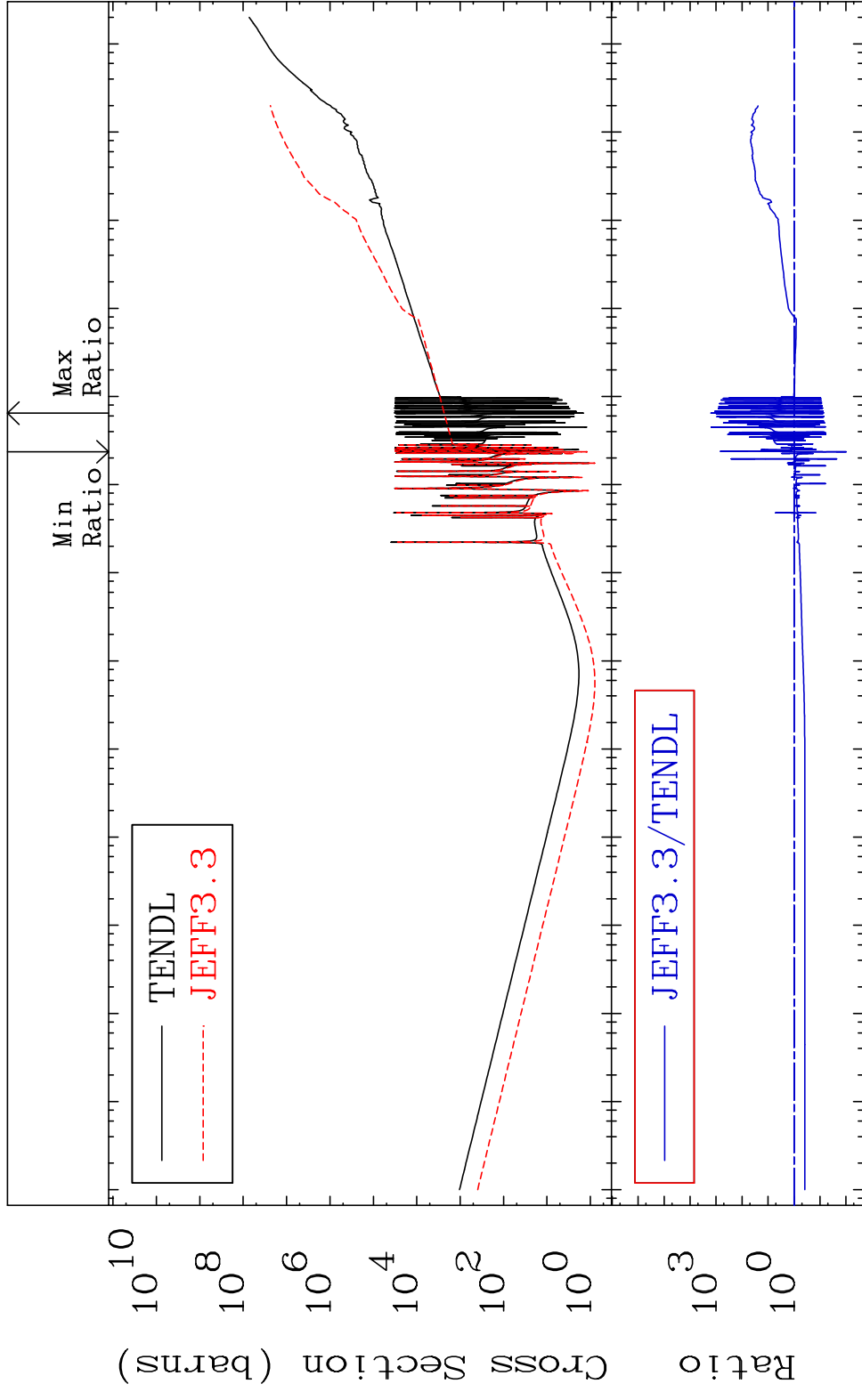


19

Incident Energy (eV)

64-Gd-160

MAT 6449 Kerma total (eV-barns) 64-Gd-160
 Cross Section -99.03 To 9999. %



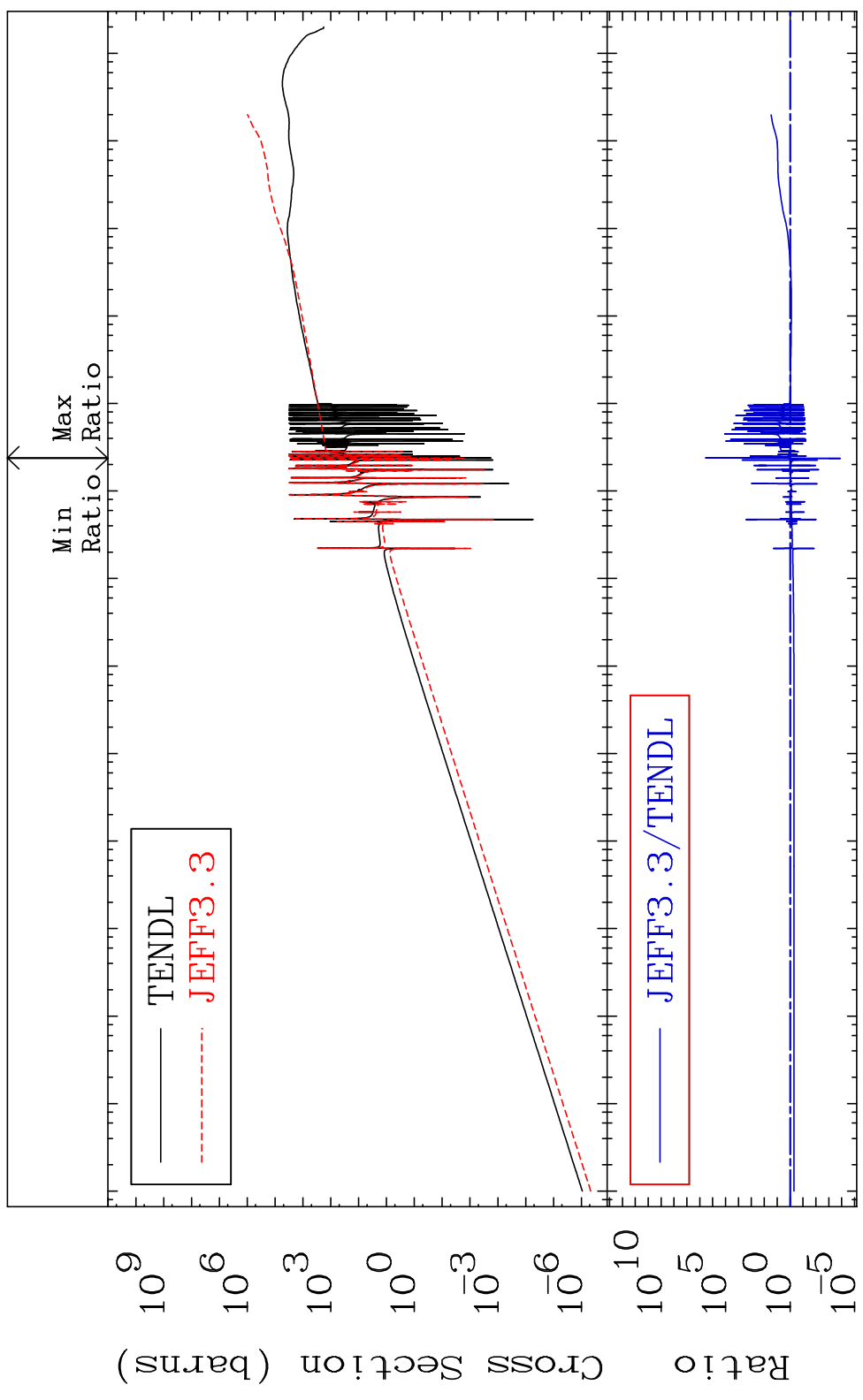
Ratio
 10^3
 10^0

Incident Energy (eV) 64-Gd-160

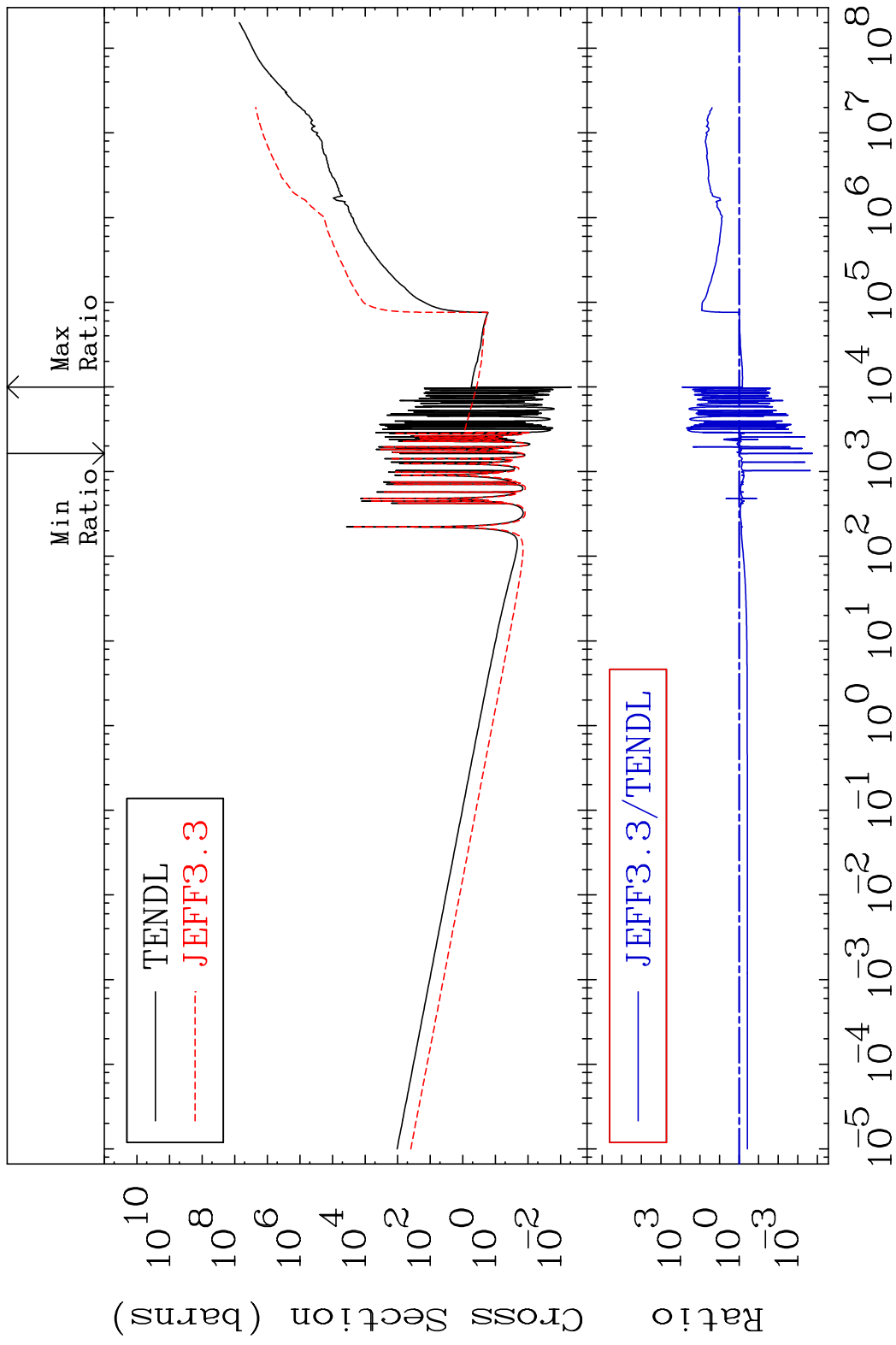
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

MAT 6449

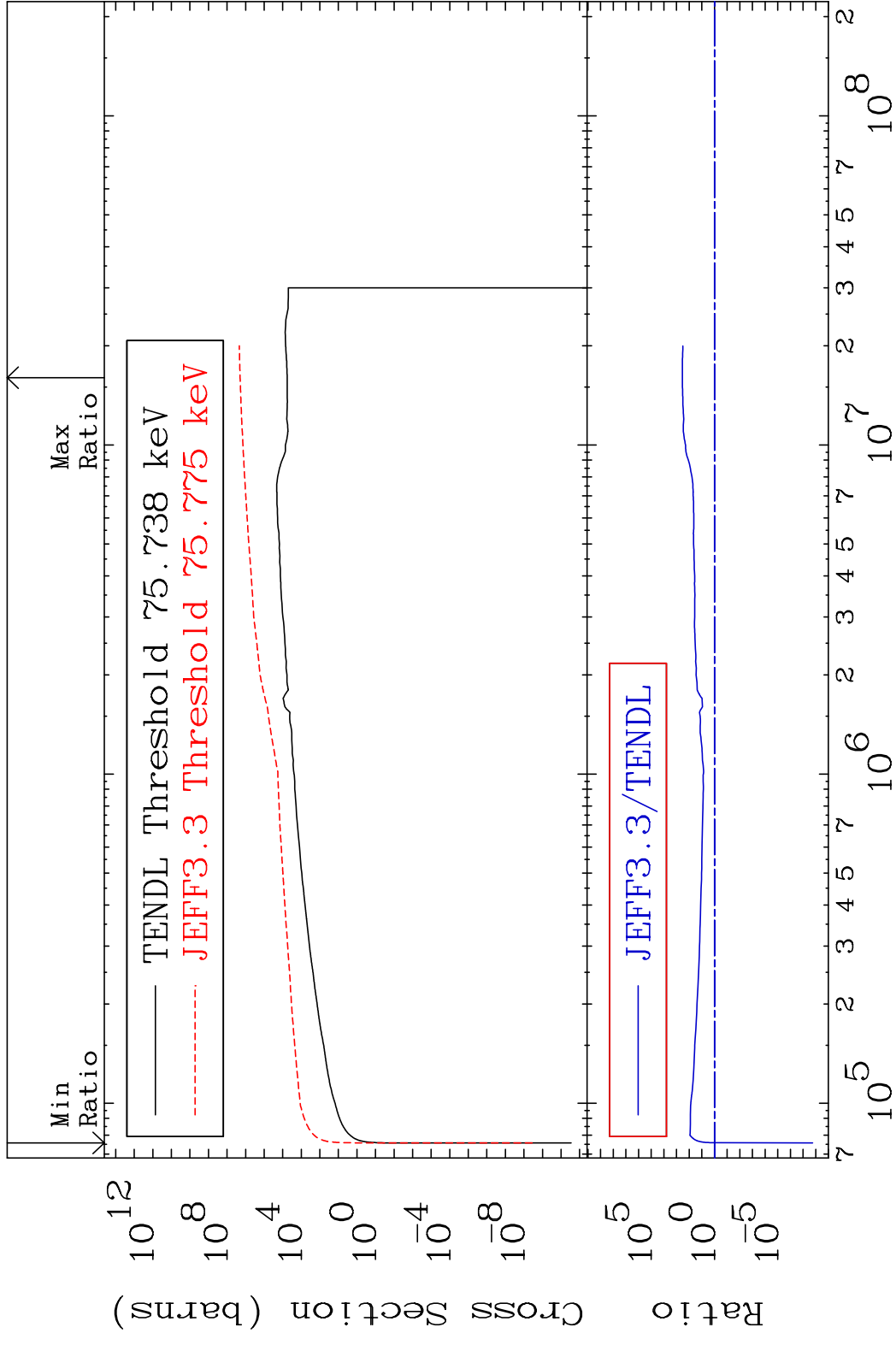
Kerma elastic Cross Section -99.99 To 9999. %
64-Gd-160



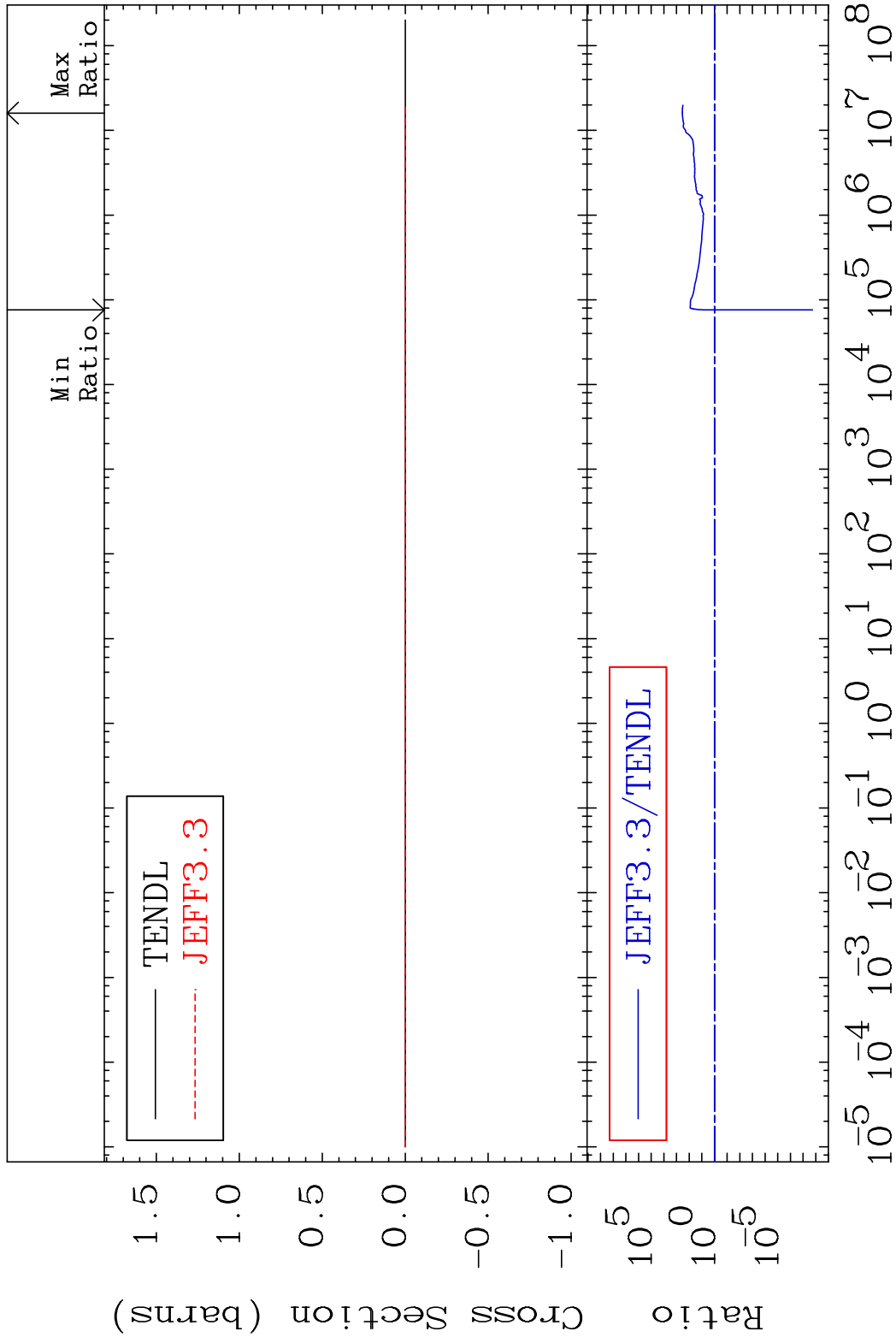
MAT 6449 Kerma non-elastic (all but mt2) 64-Gd-160
 Cross Section -99.98 To 9999. %



MAT 6449 Kerma inelastic (mt51-91) 64-Gd-160
 Cross Section -100.0 To 9999. %

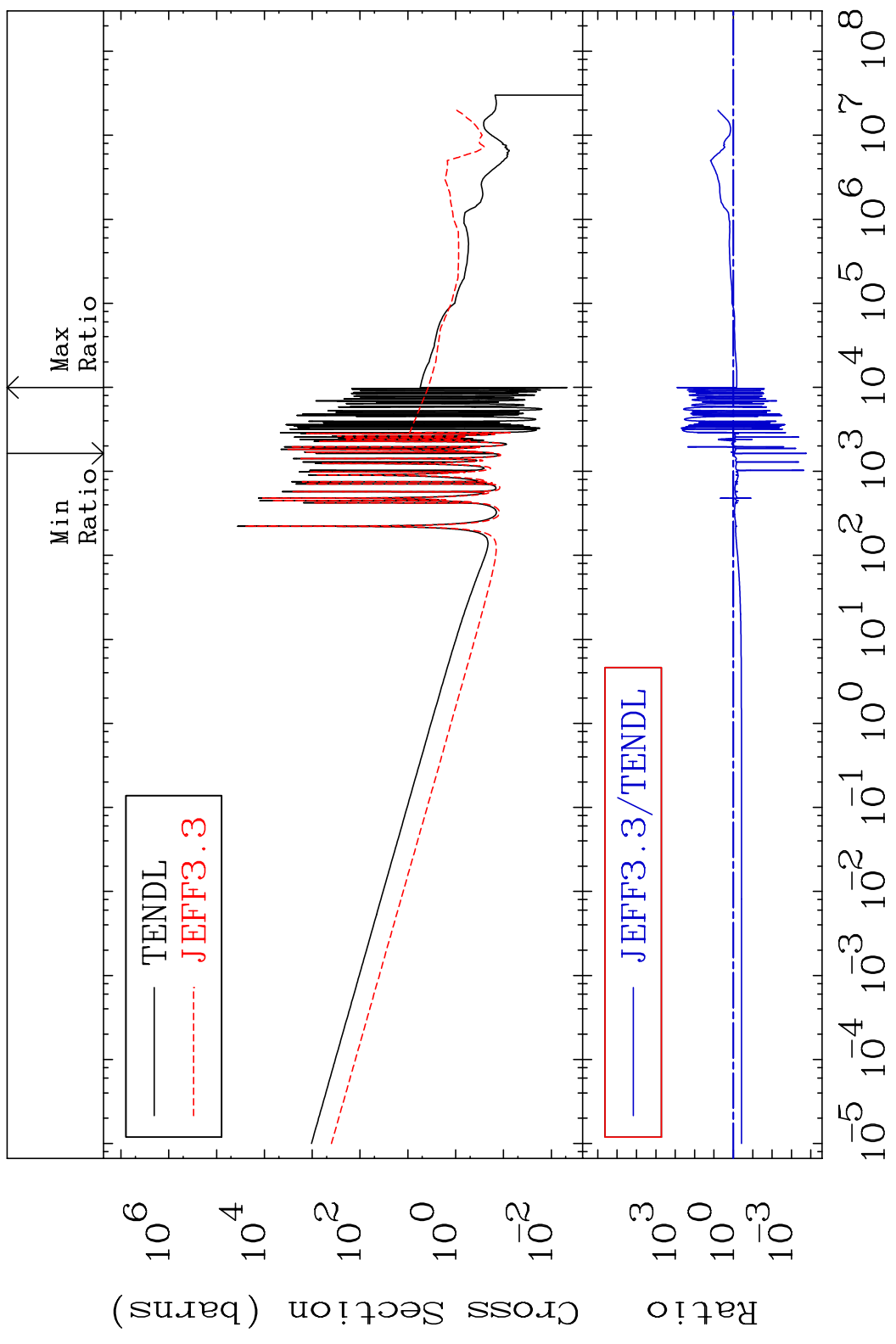


MAT 6449 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-160
 Cross Section -100.0 To 9999. %



MAT 6449

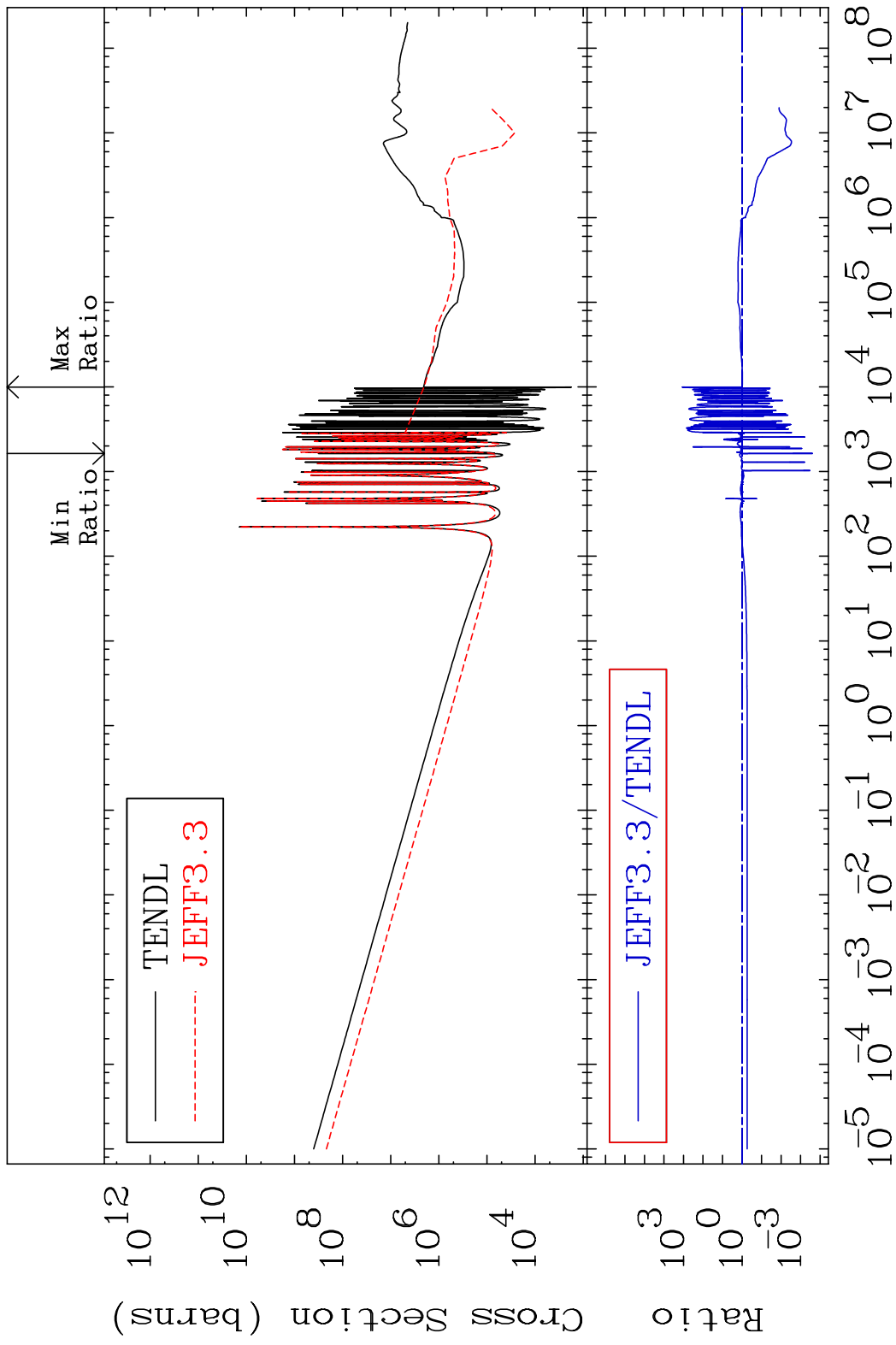
Kerma capture (mt102) 64-Gd-160
Cross Section -99.98 To 9999. %



25

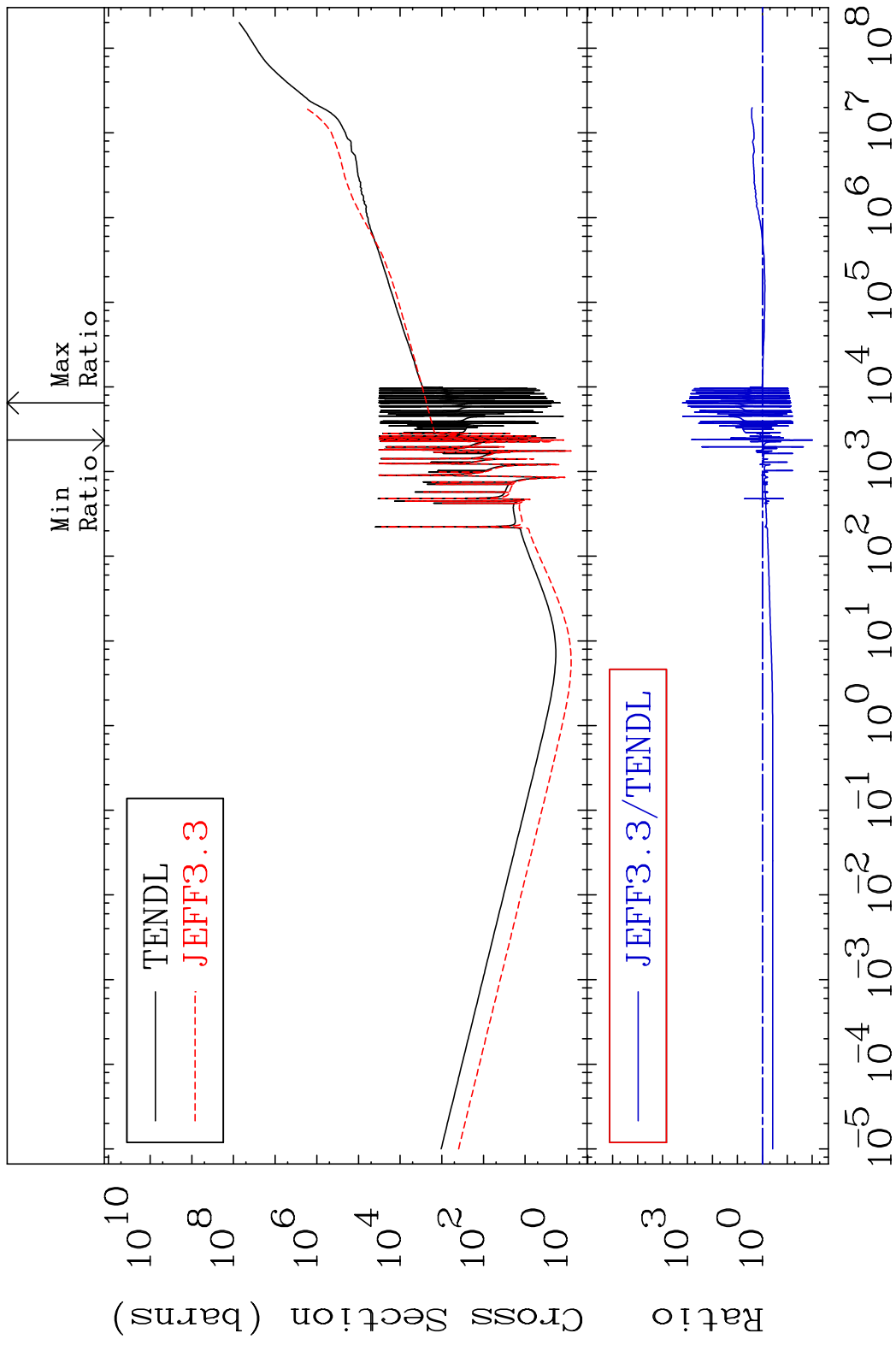
Incident Energy (eV) 64-Gd-160

MAT 6449 Total photon (eV-barns) 64-Gd-160
 Cross Section -99.98 To 9999. %

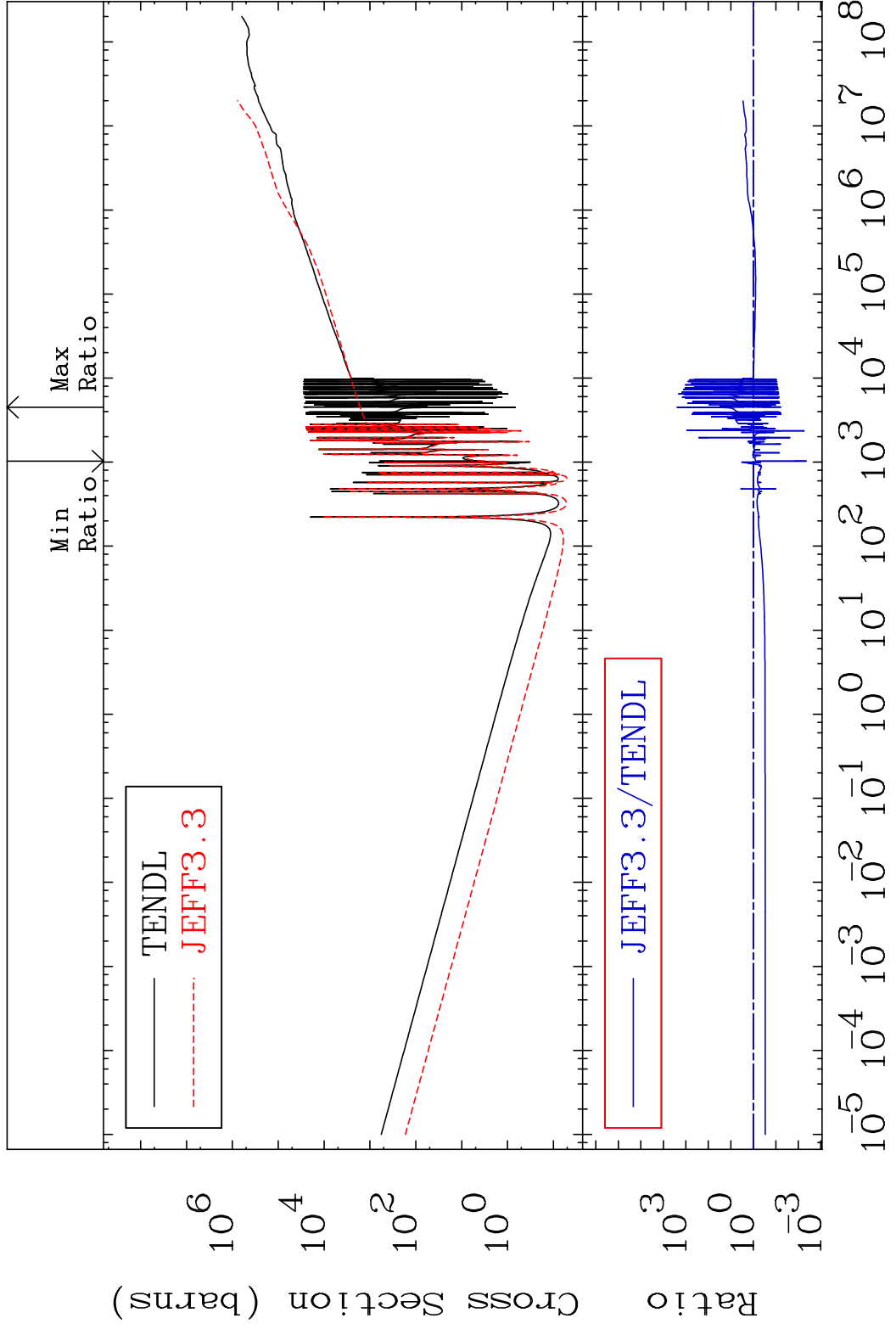


26 Incident Energy (eV) 64-Gd-160

MAT 6449 Total kinematic kerma (high limit) 64-Gd-160
 Cross Section -99.03 To 9999. %



MAT 6449 Dpa total (eV-barns) 64-Gd-160
 Cross Section -99.56 To 9999. %

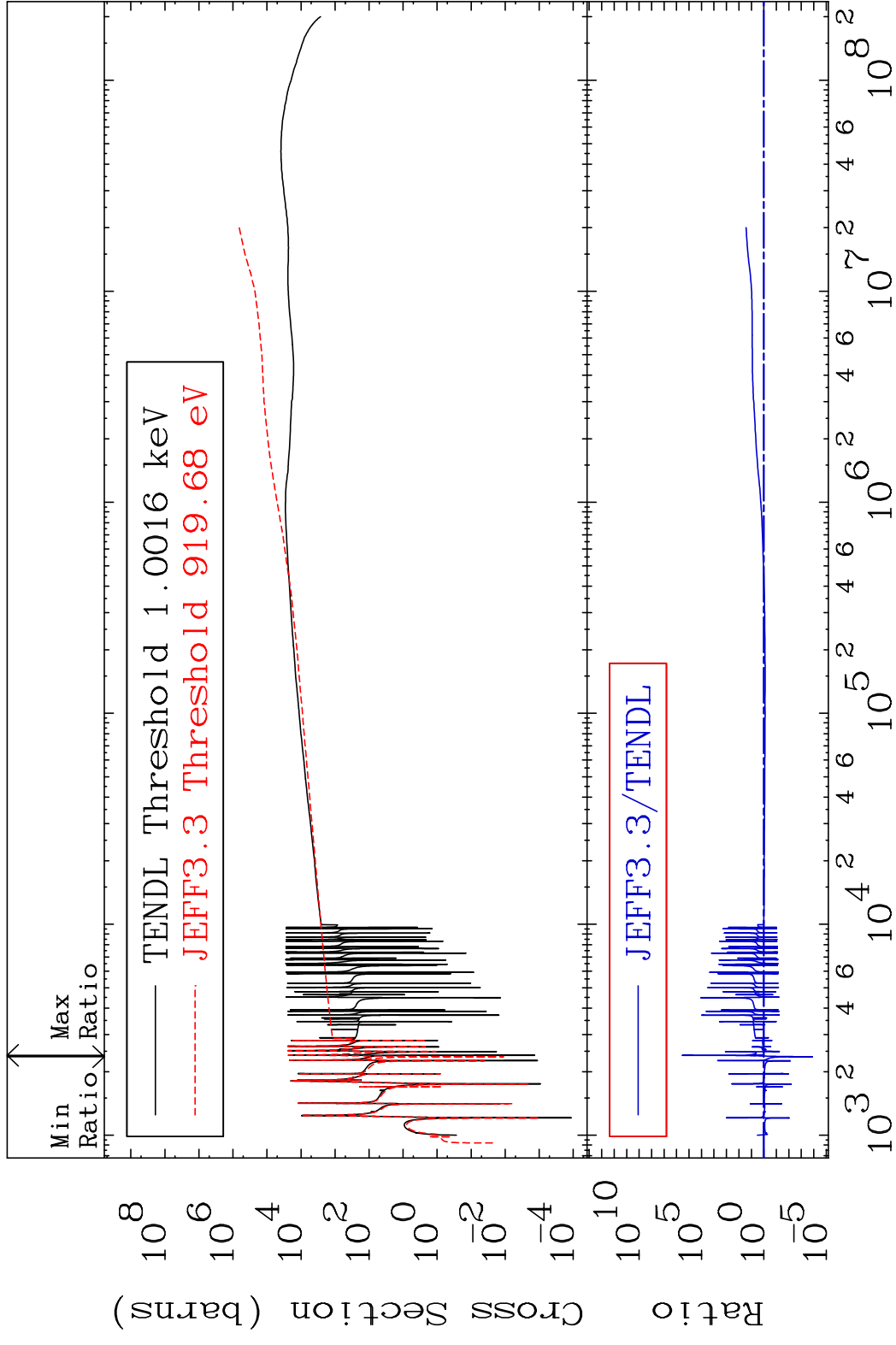


MAT 6449

Dpa elastic (mt2)

64-Gd-160

Cross Section -99.99 To 9999. %

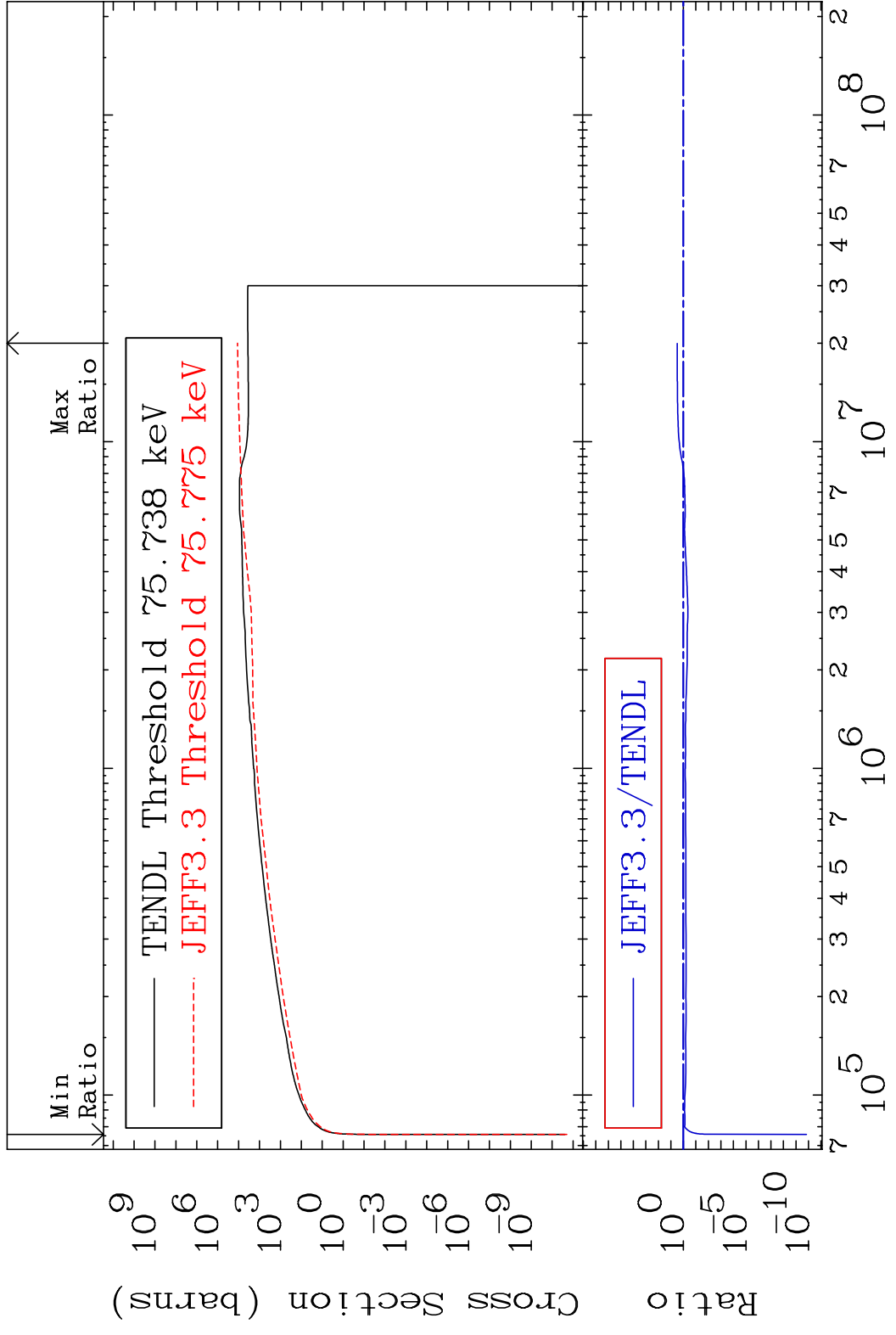


29

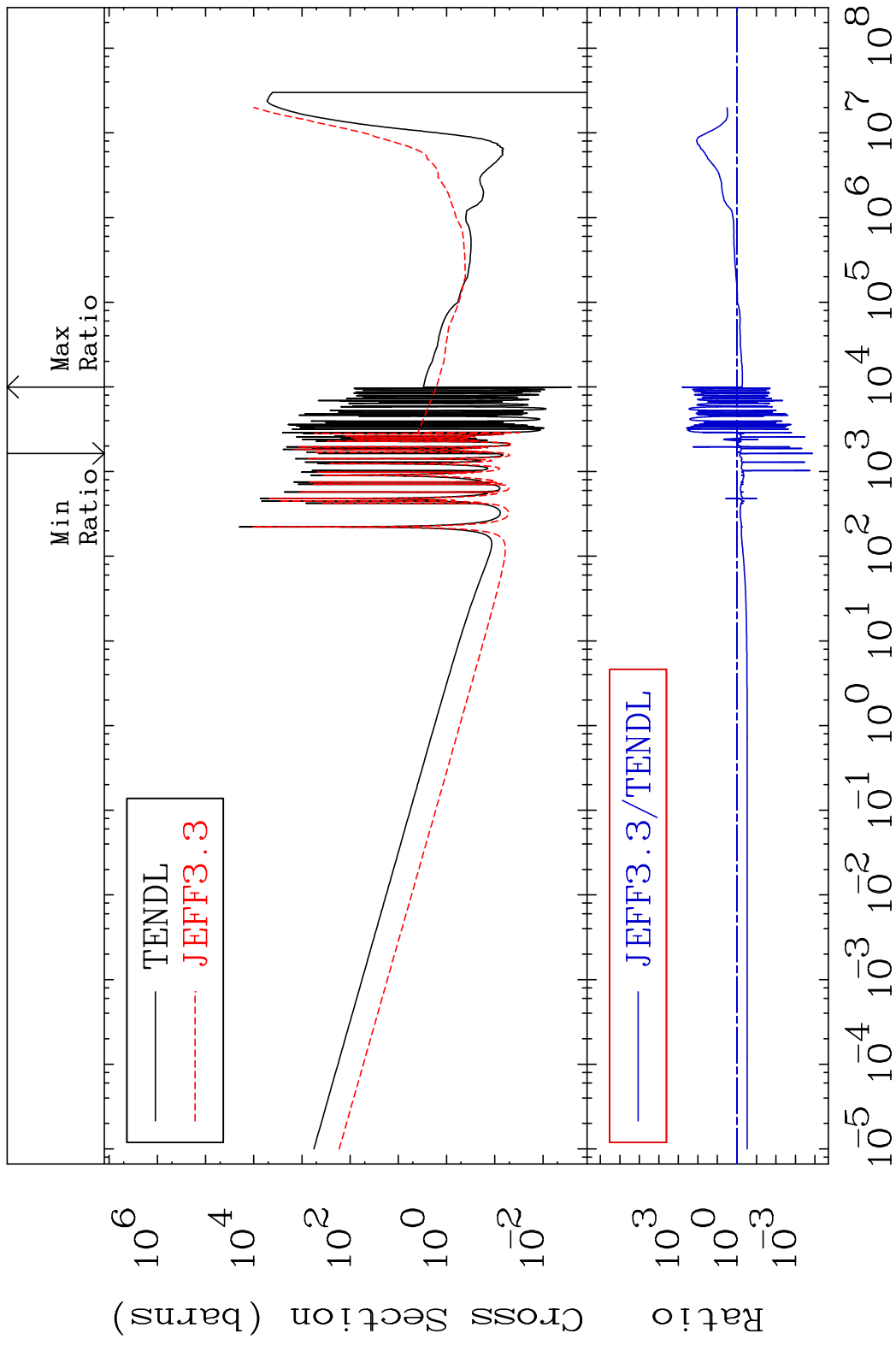
Incident Energy (eV)

64-Gd-160

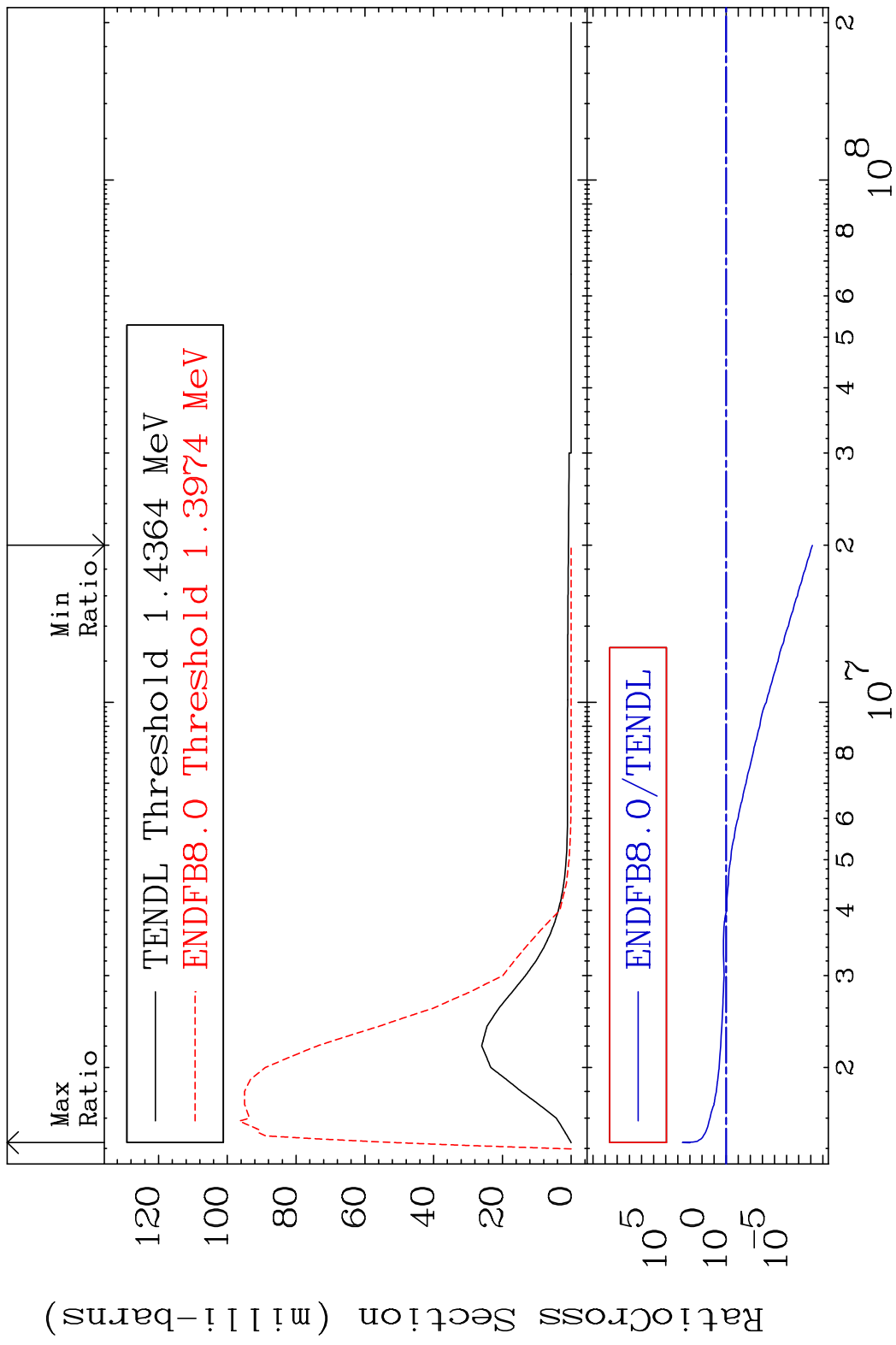
MAT 6449 Dpa inelastic (mt51-91) 64-Gd-160
 Cross Section -100.0 To 212.9 %



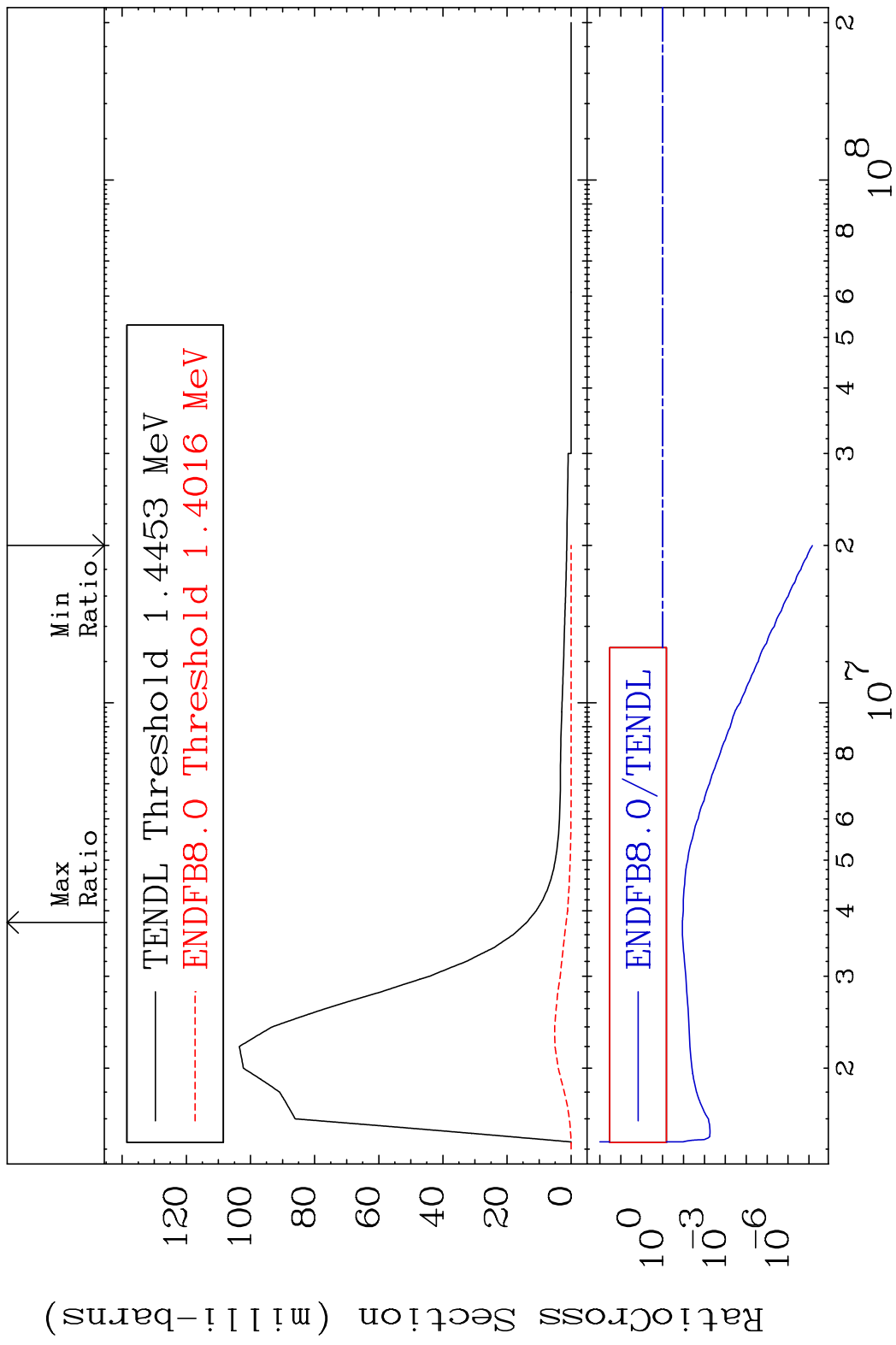
MAT 6449 Dpa disappearance (mt102 -120) 64-Gd-160
 Cross Section -99.99 To 9999. %



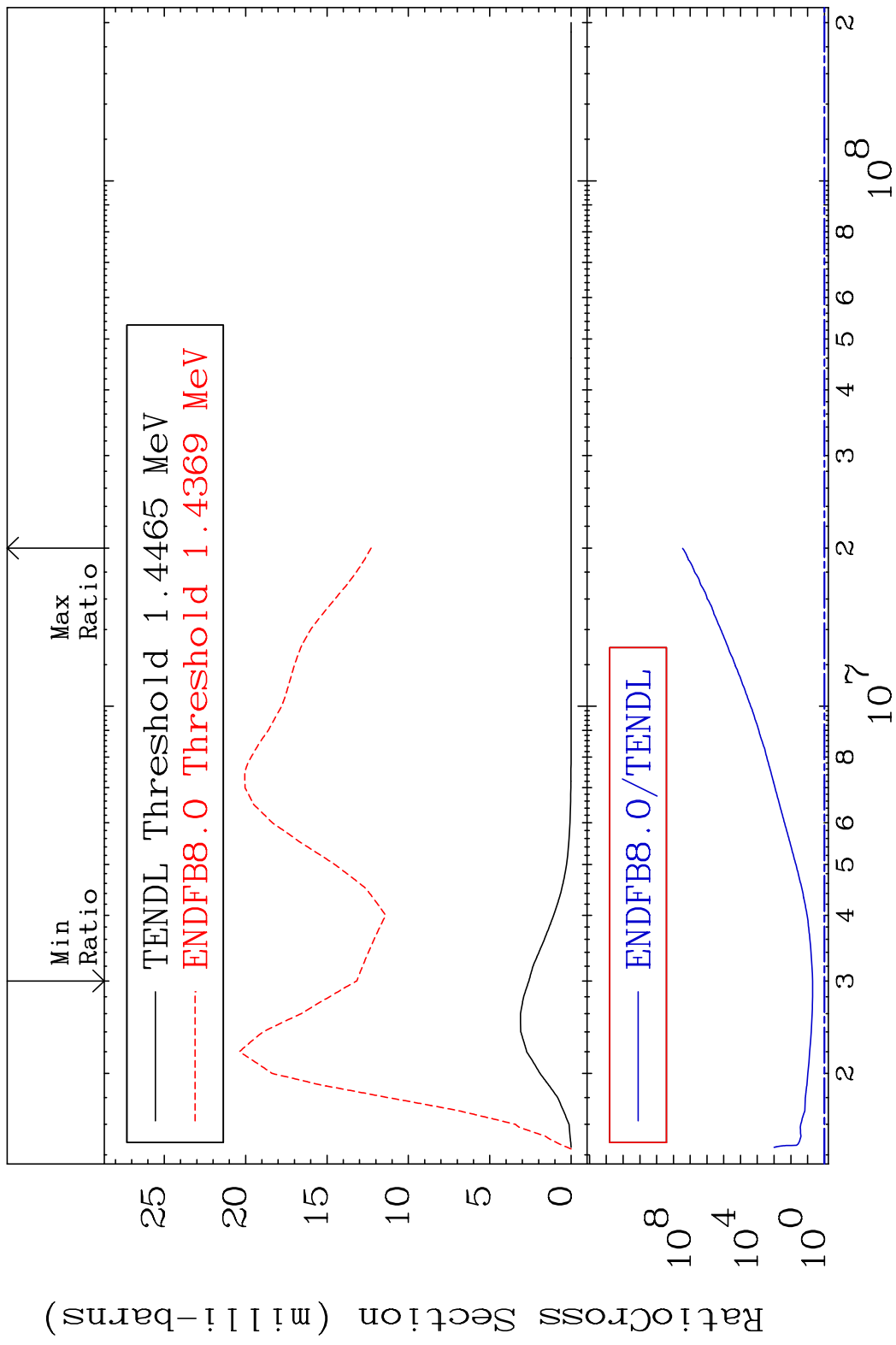
MAT 6449 MT= 73 (n,n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %



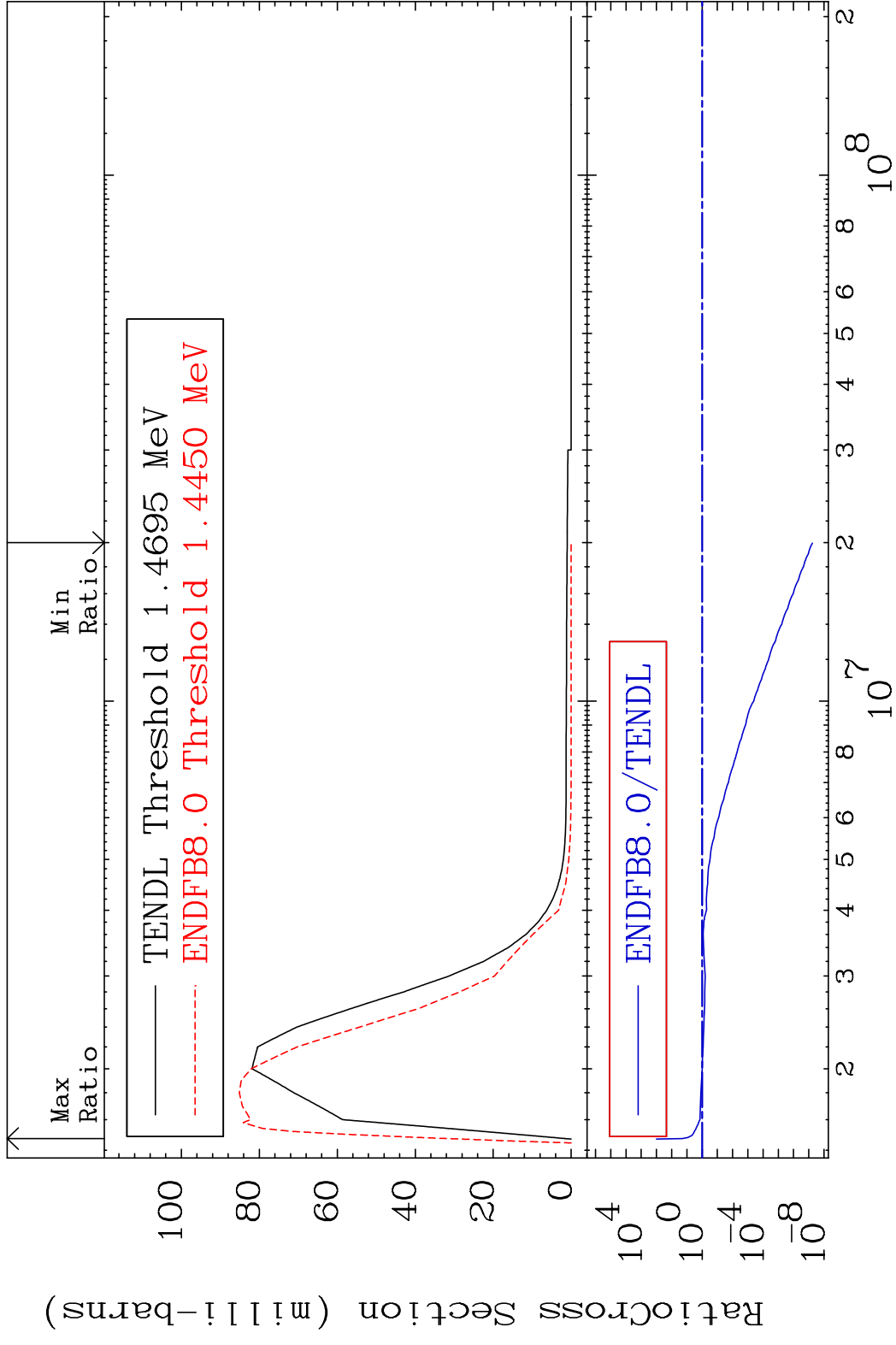
MAT 6449 MT= 74 (n,n') Level 64-Gd-160
 Cross Section -100.0 To -88.64%



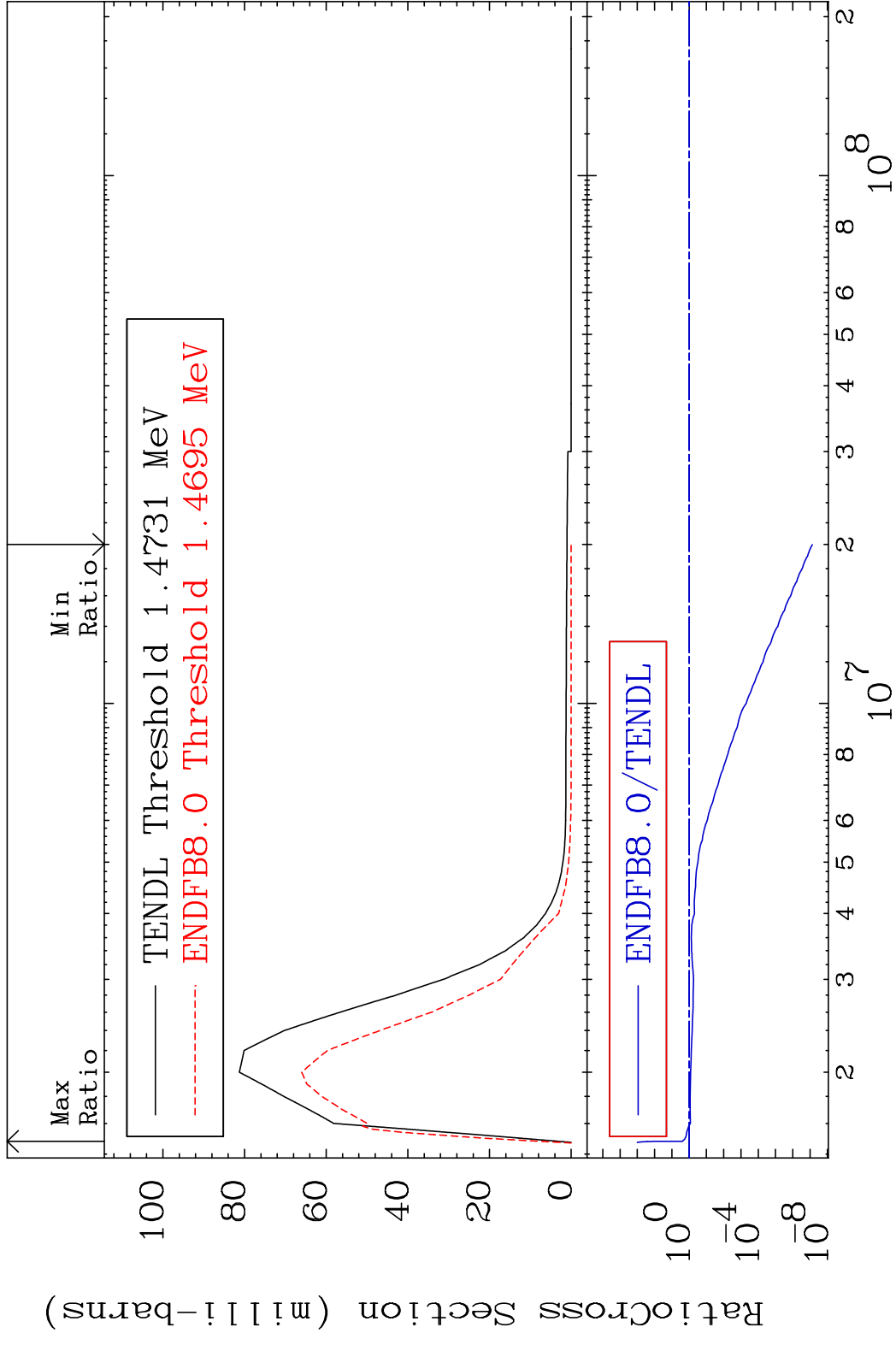
MAT 6449 MT= 75 (n, n') Level 64-Gd-160
 Cross Section 406.8 To 9999. %



MAT 6449 MT= 76 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 1889. %



MAT 6449 MT= 77 (n,n') Level 64-Gd-160
 Cross Section -100.0 To 147.3 %

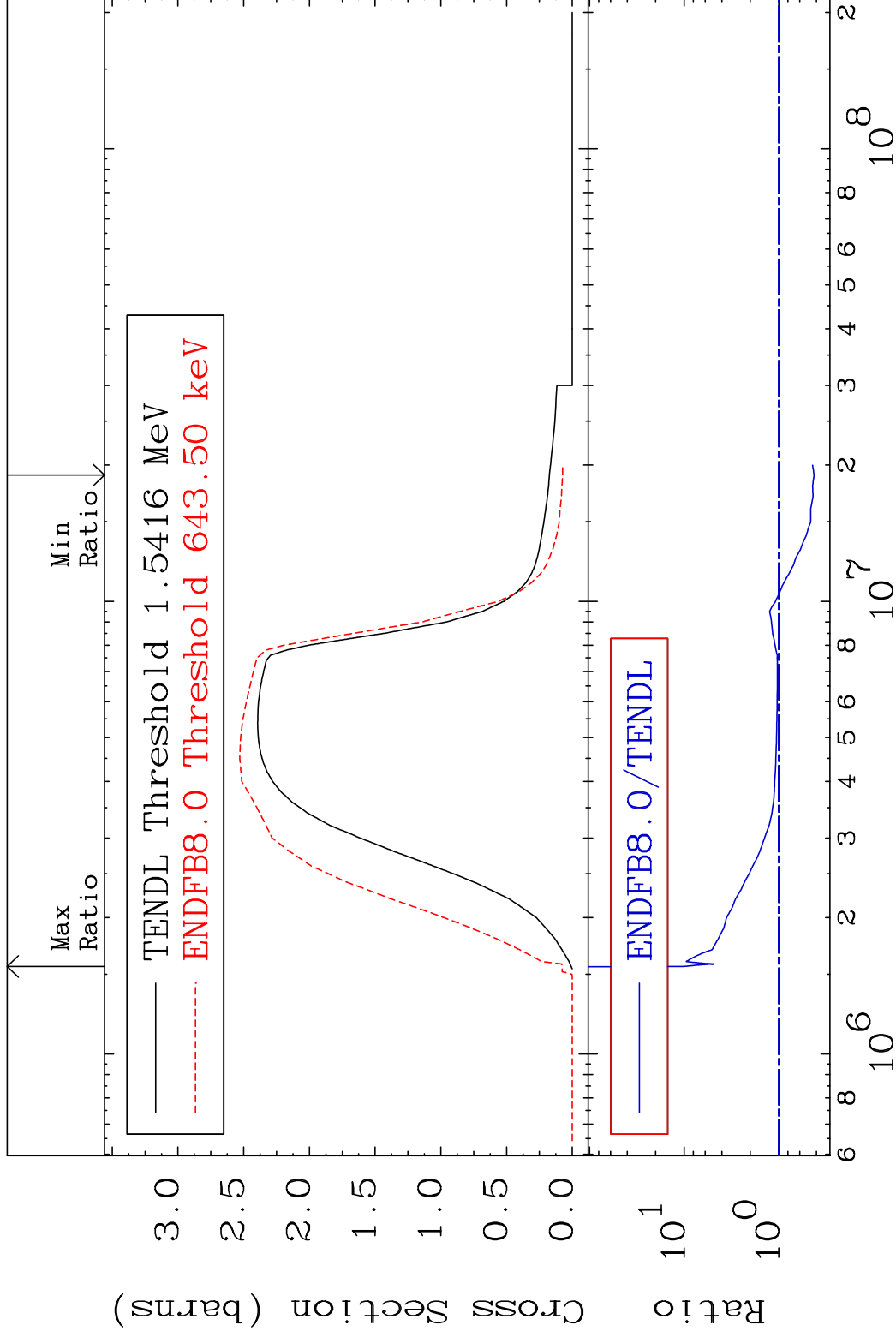


MAT 6449

(n, n') Continuum

64-Gd-160

Cross Section -57.73 To 911.5 %



37

Incident Energy (eV)

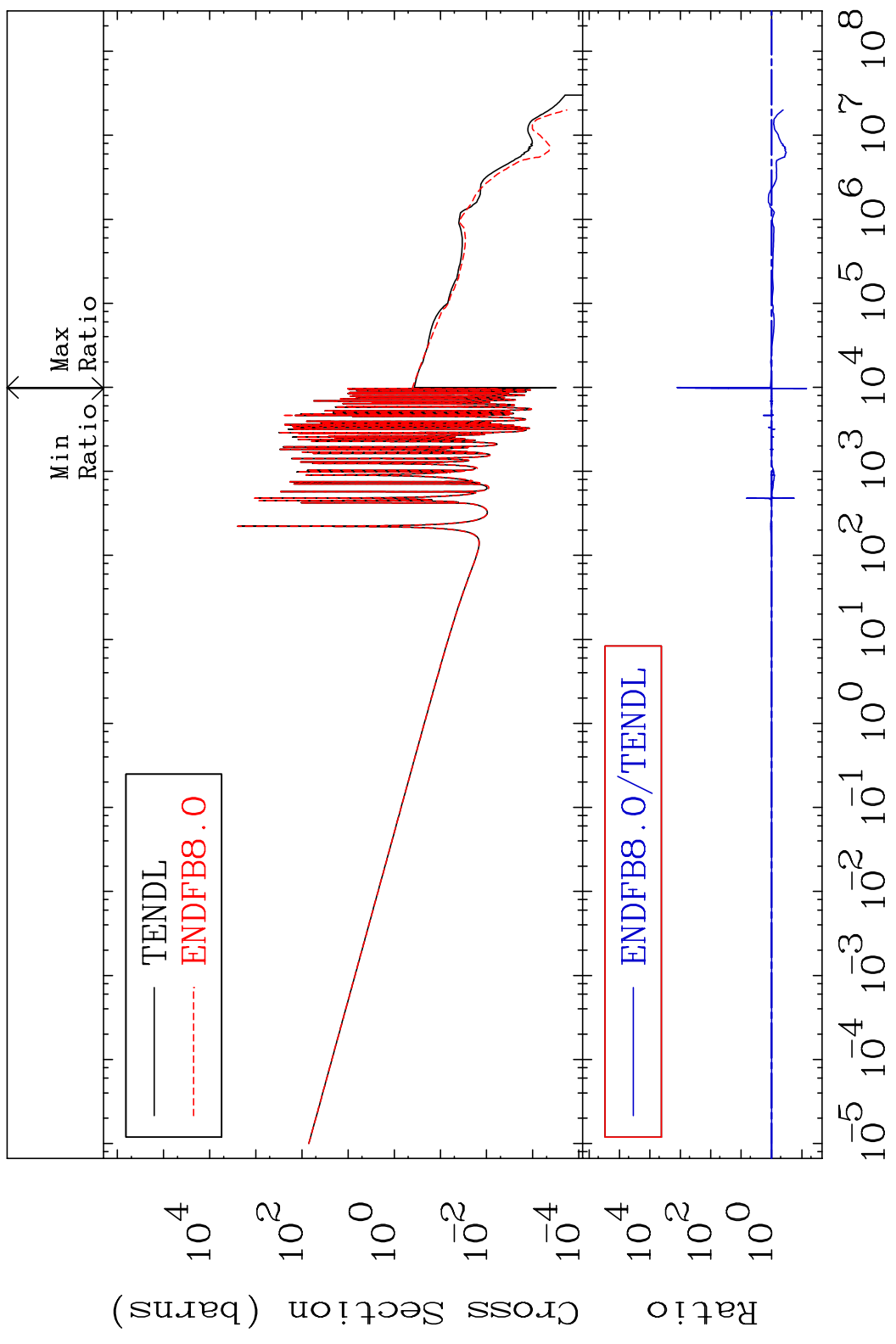
64-Gd-160

MAT 6449

(n, γ)

64-Gd-160

Cross Section -92.88 To 9999. %

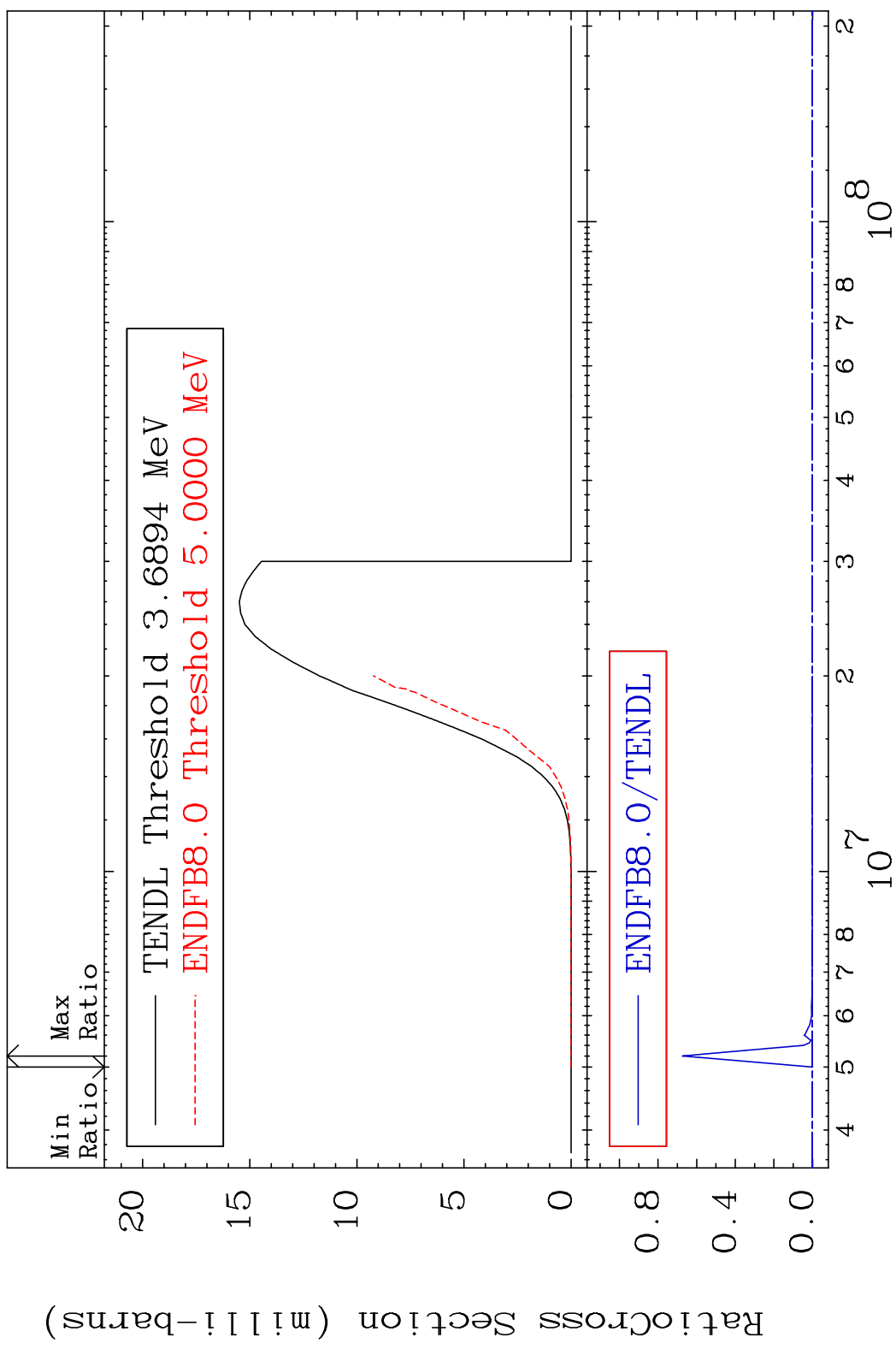


MAT 6449

(n,p)

64-Gd-160

Cross Section -100.0 To 9999. %

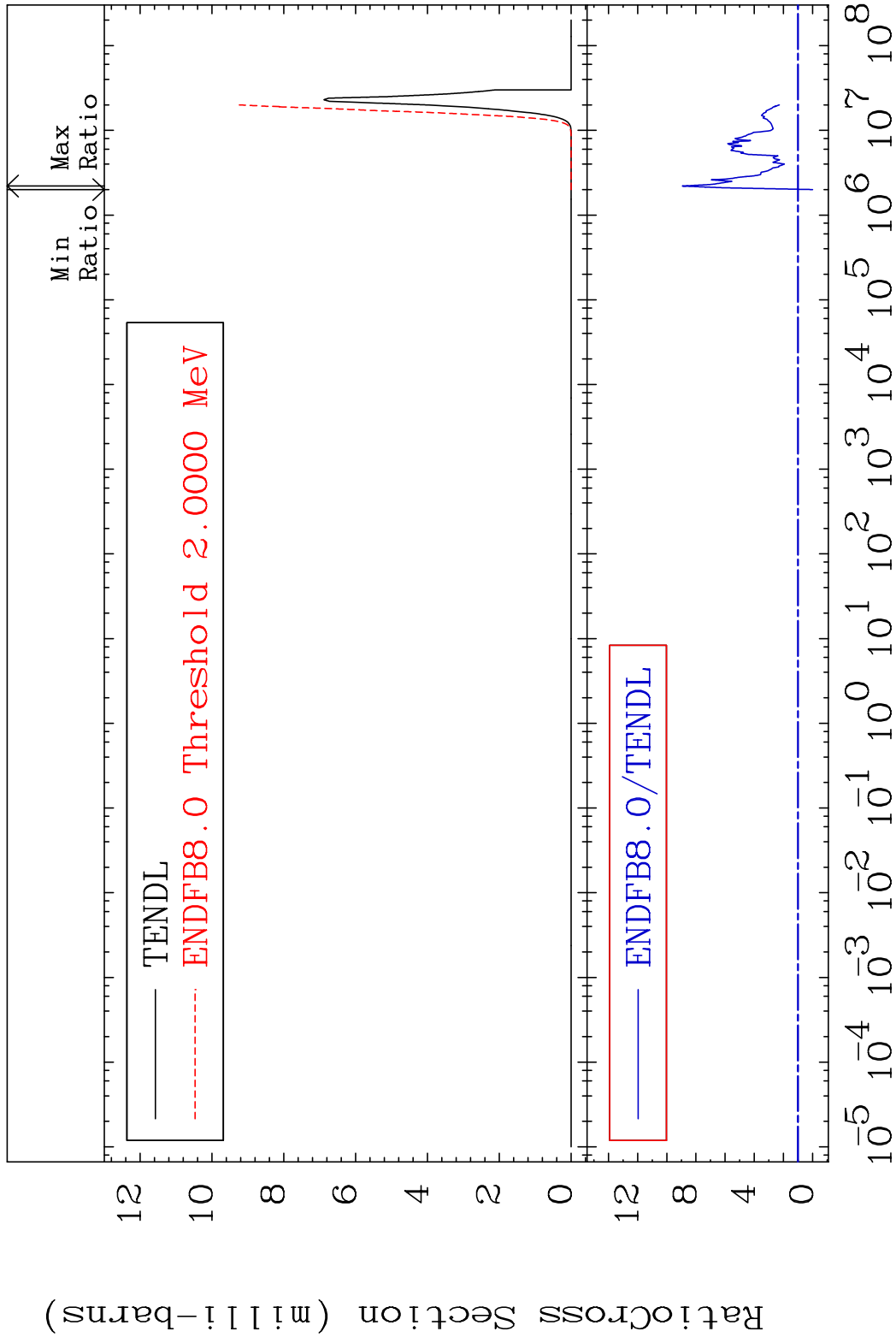


MAT 6449

(n, α)

64-Gd-160

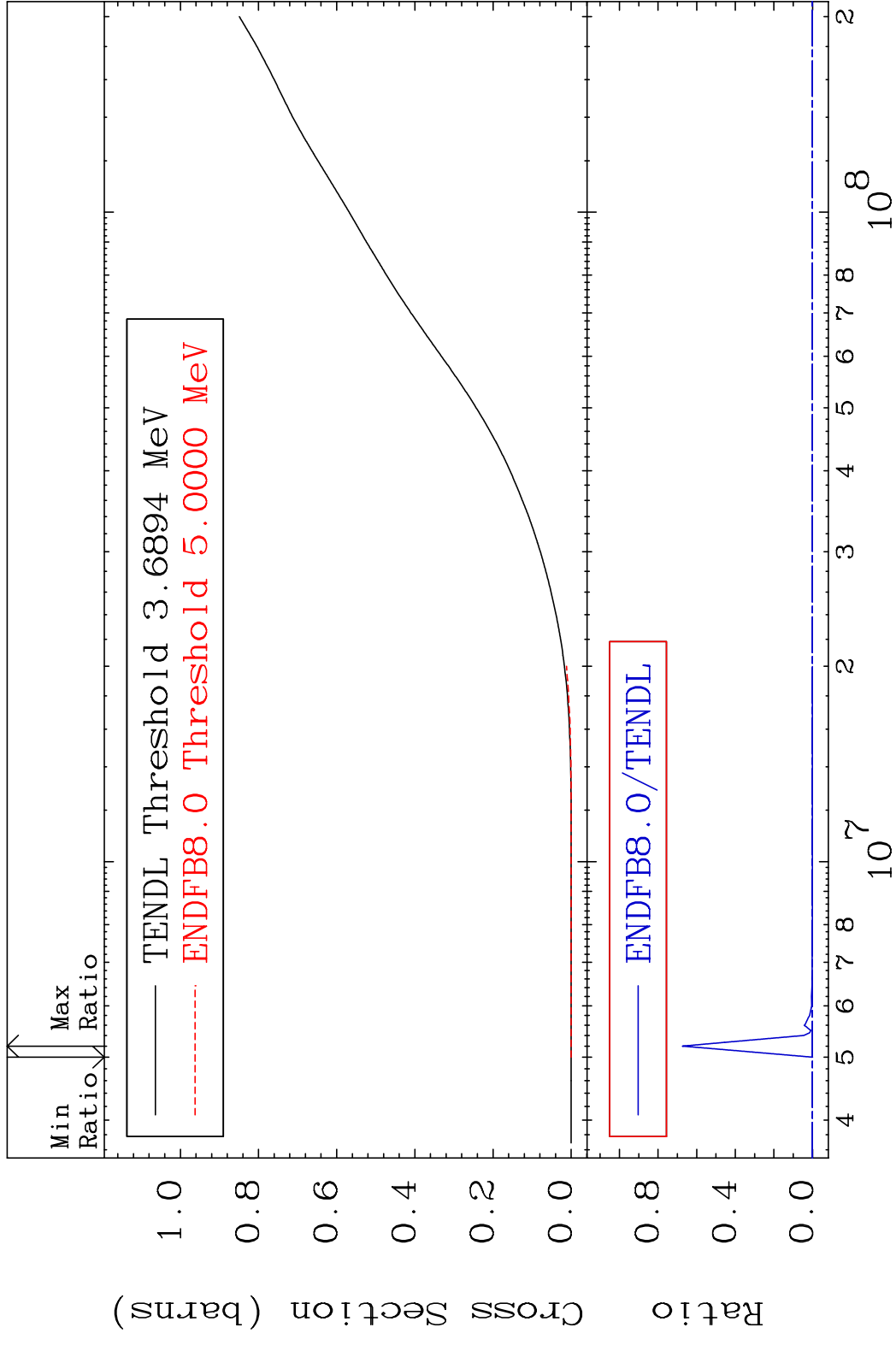
Cross Section -100.0 To 793.3 %



40

Incident Energy (eV)

64-Gd-160

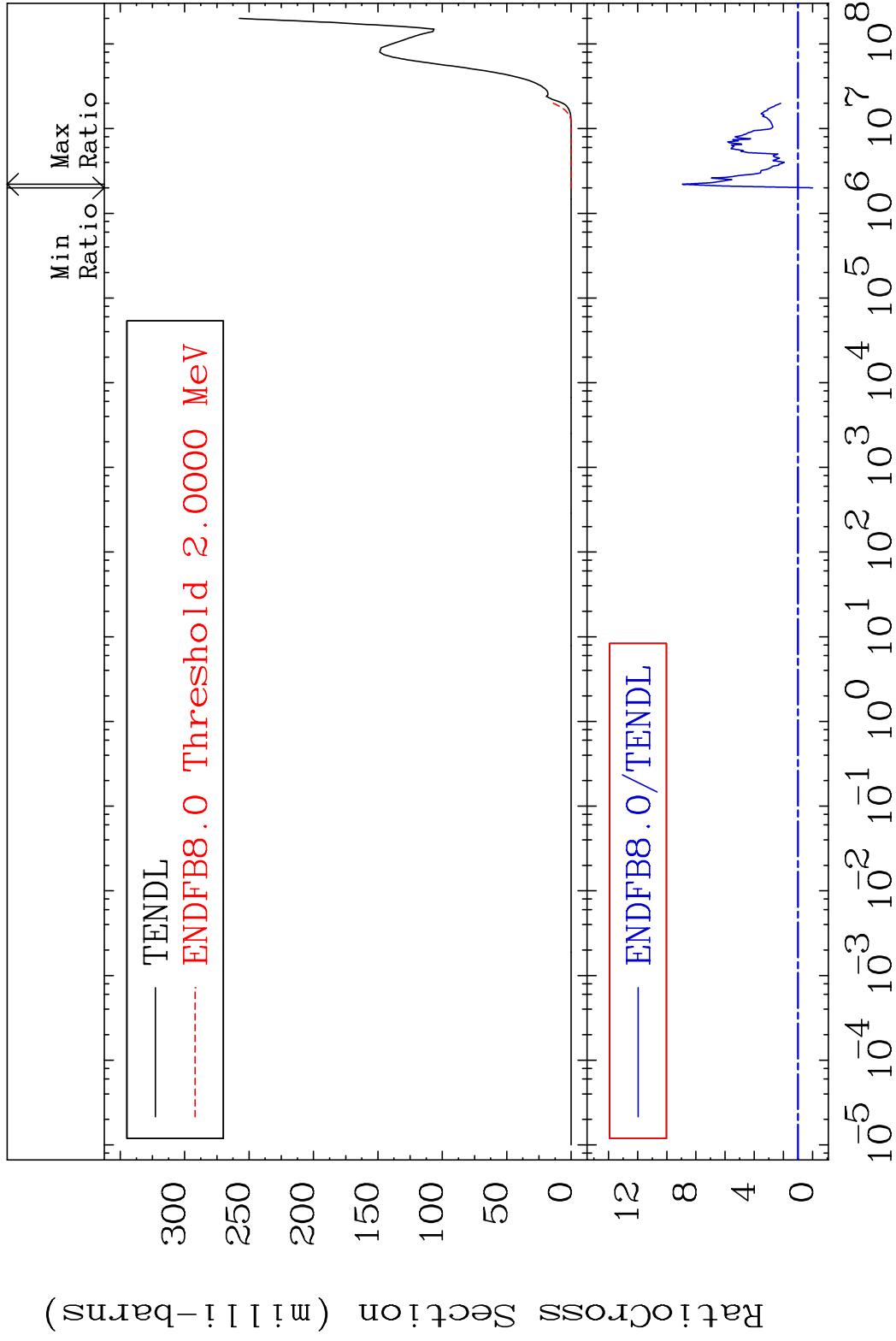


MAT 6449

He-4 Production

64-Gd-160

Cross Section -100.0 To 793.3 %

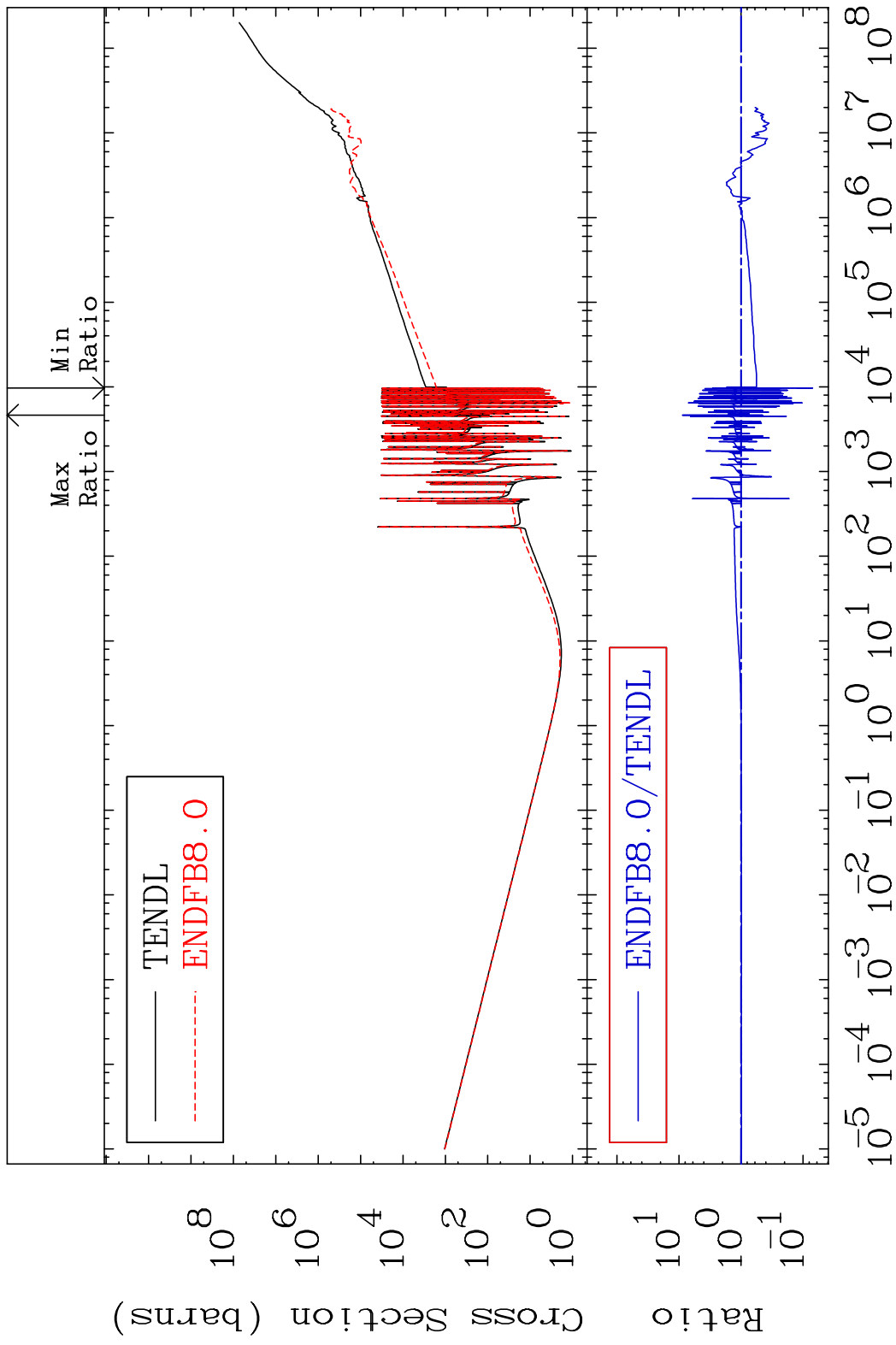


42

Incident Energy (eV)

64-Gd-160

MAT 6449 Kerma total (eV-barns) 64-Gd-160
 Cross Section -92.96 To 785.3 %

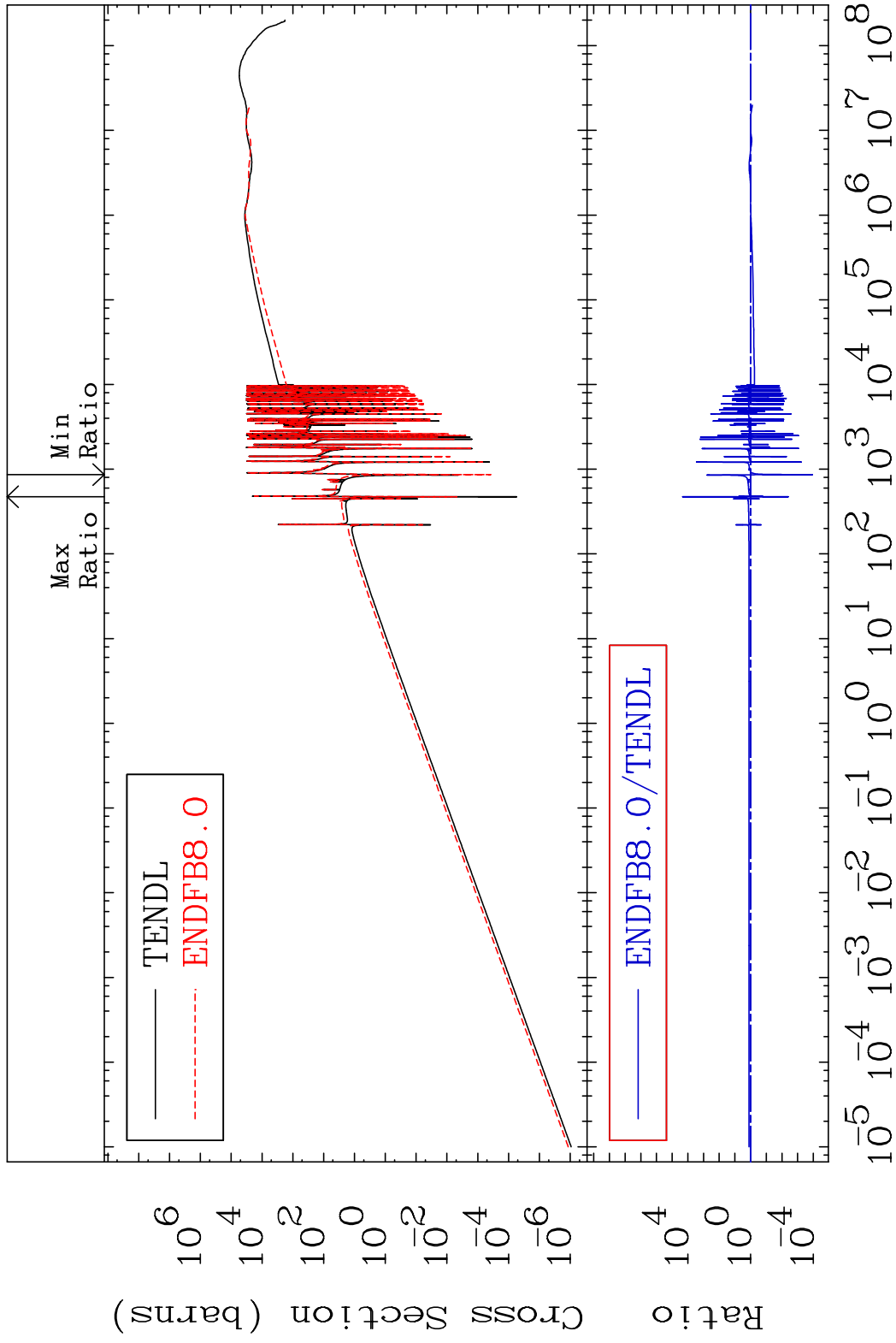


MAT 6449

Kerma elastic

64-Gd-160

Cross Section -99.99 To 9999. %

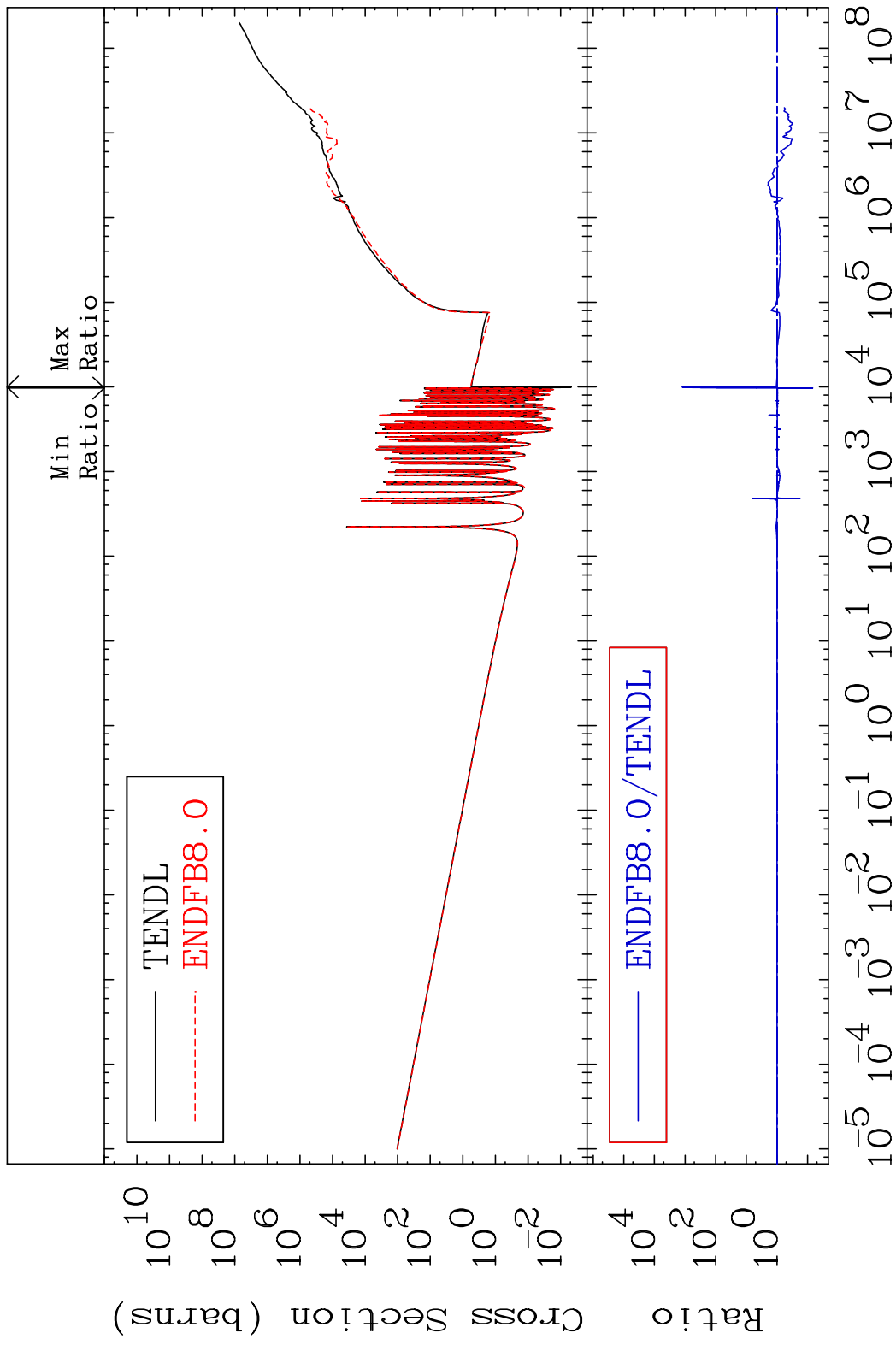


44

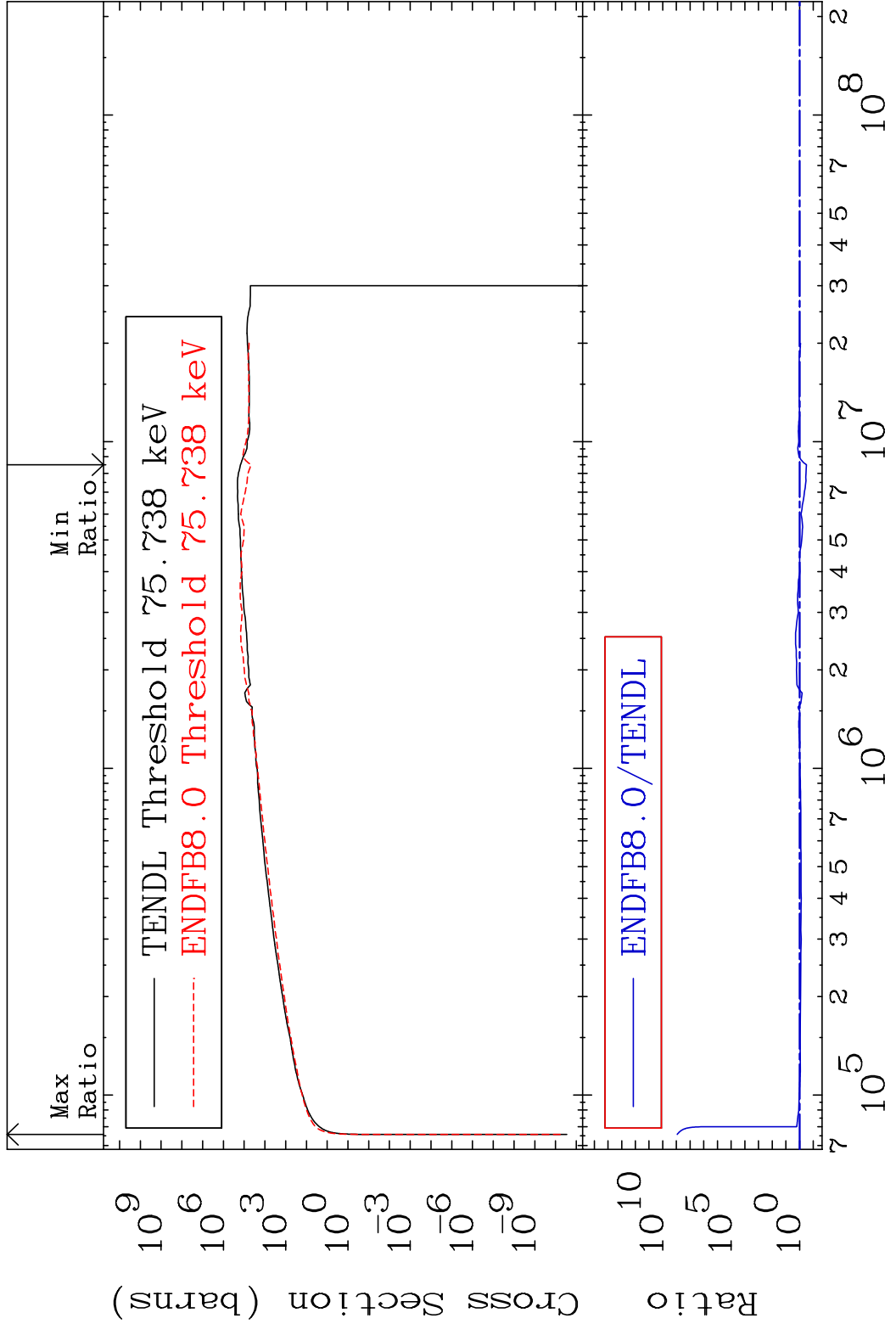
Incident Energy (eV)

64-Gd-160

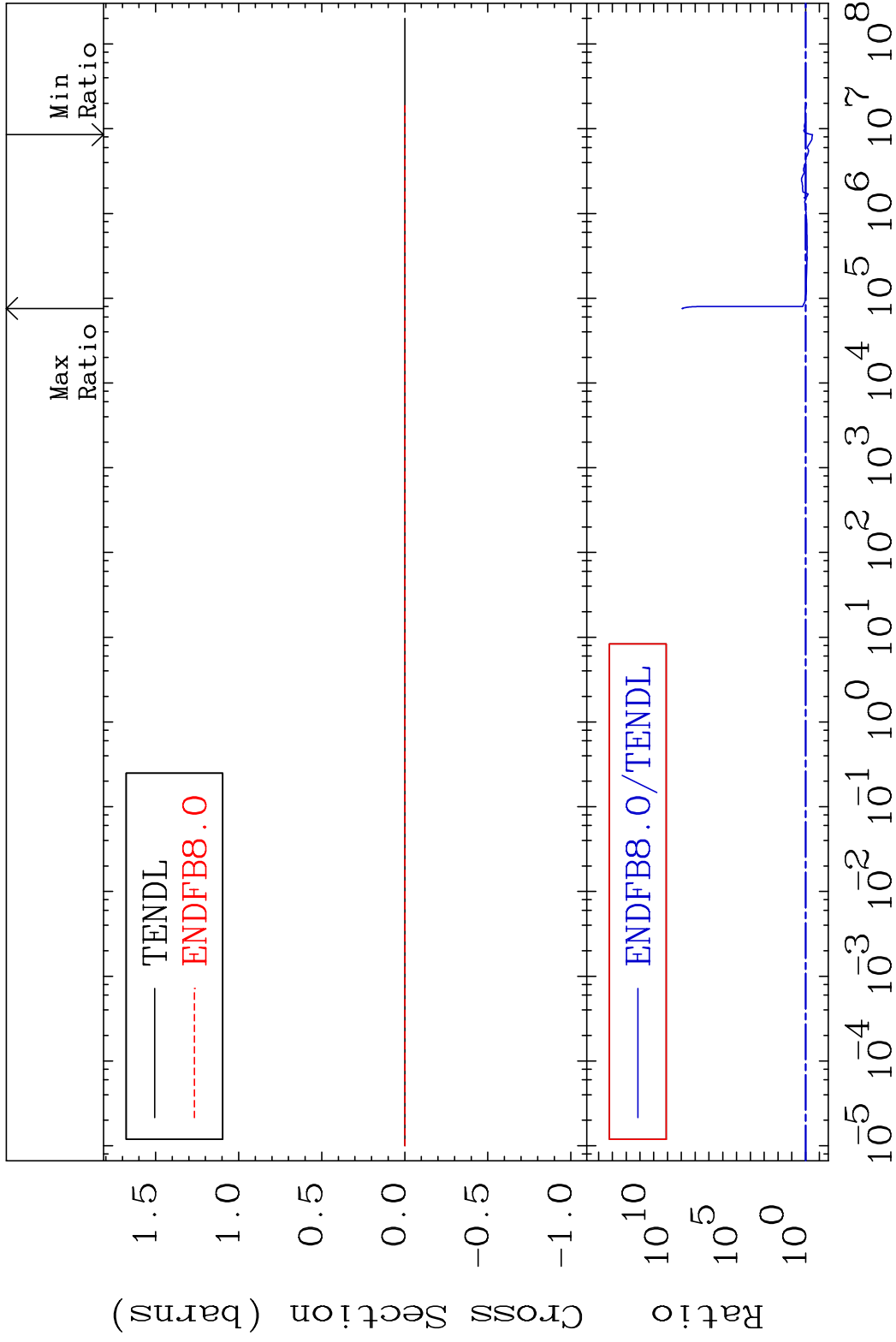
MAT 6449 Kerma non-elastic (all but mt2) 64-Gd-160
 Cross Section -93.10 To 9999. %



MAT 6449 Kerma inelastic (mt51-91) 64-Gd-160
 Cross Section -68.43 To 9999. %

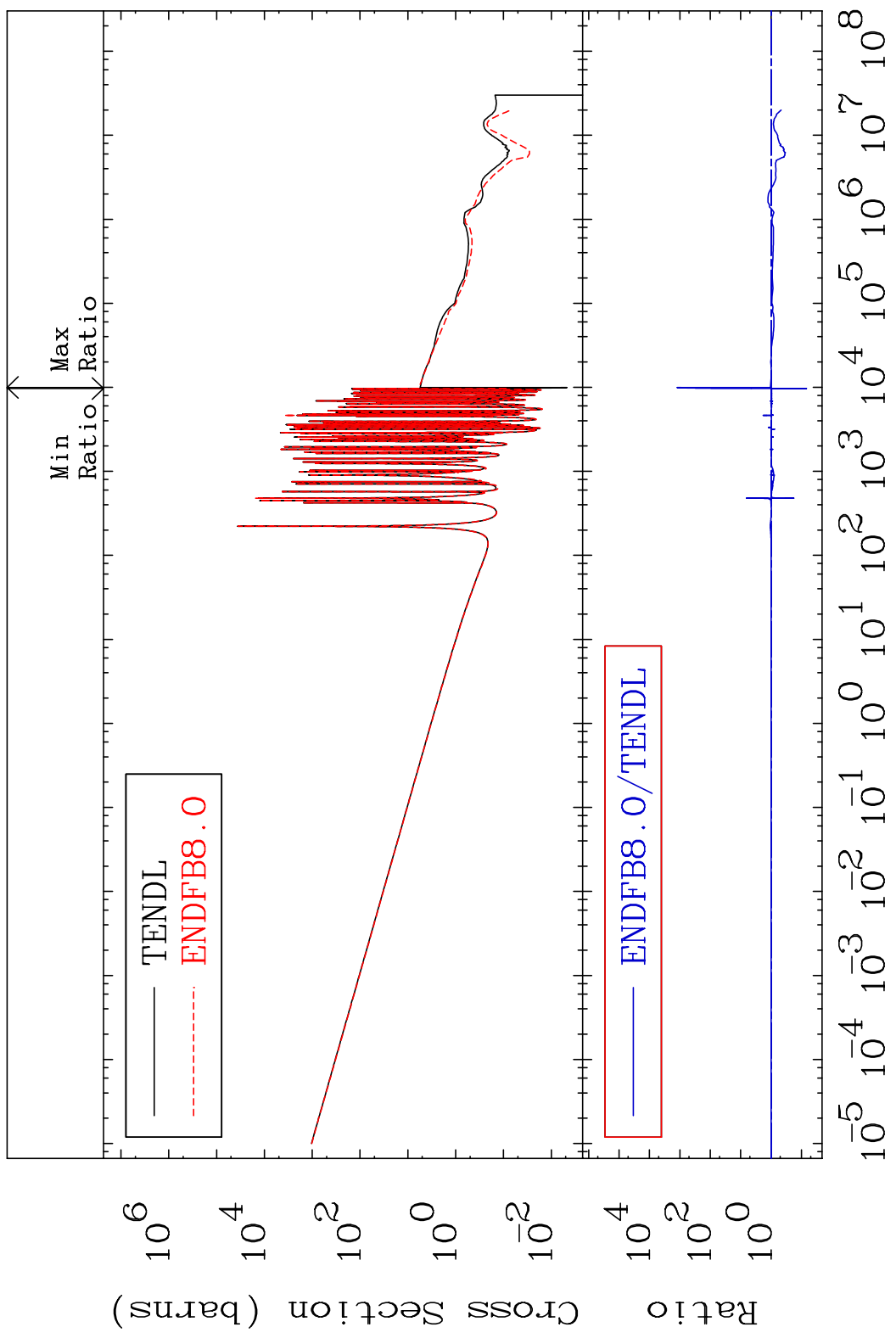


MAT 6449 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-160
 Cross Section -68.43 To 9999. %

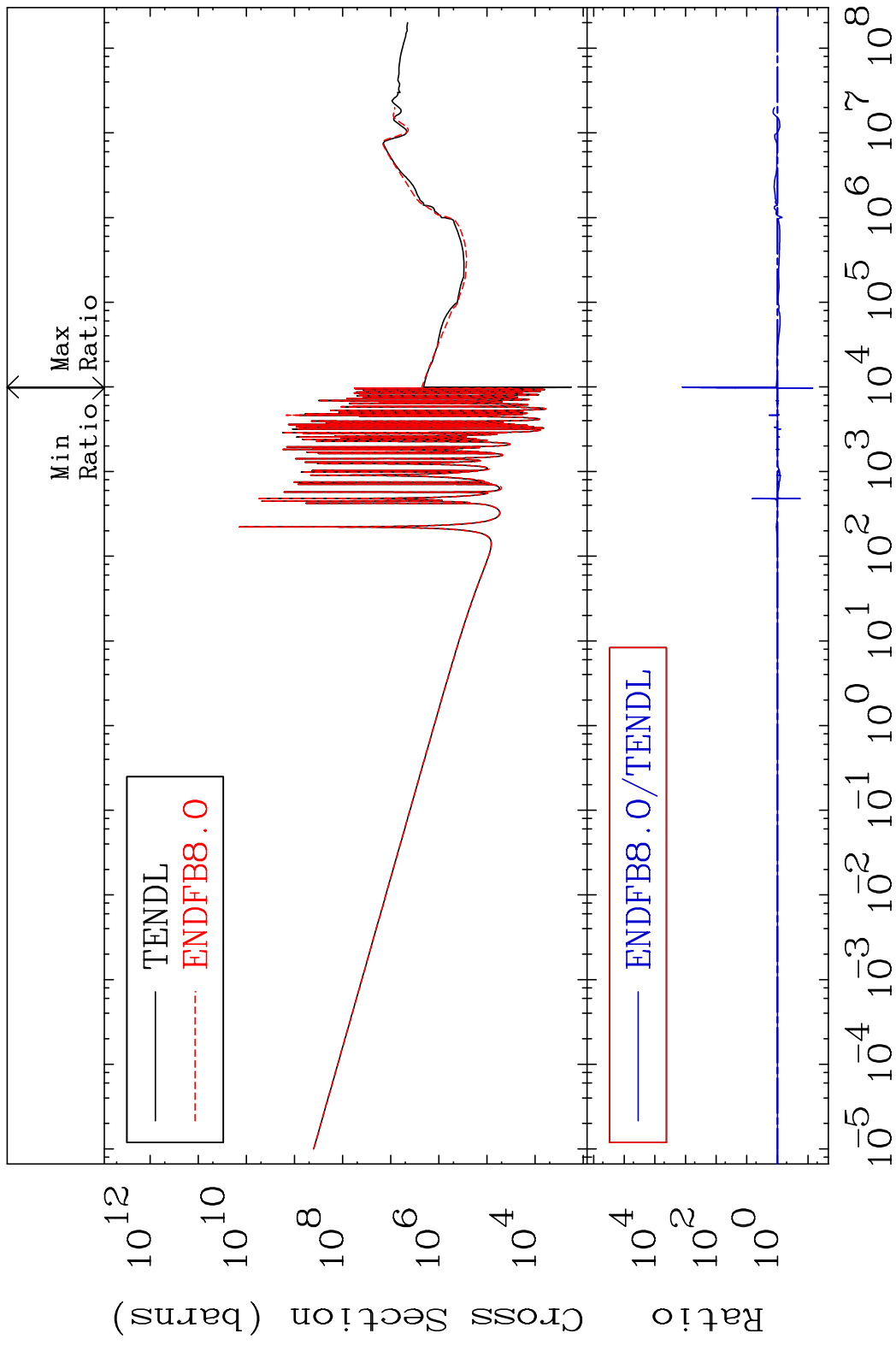


MAT 6449

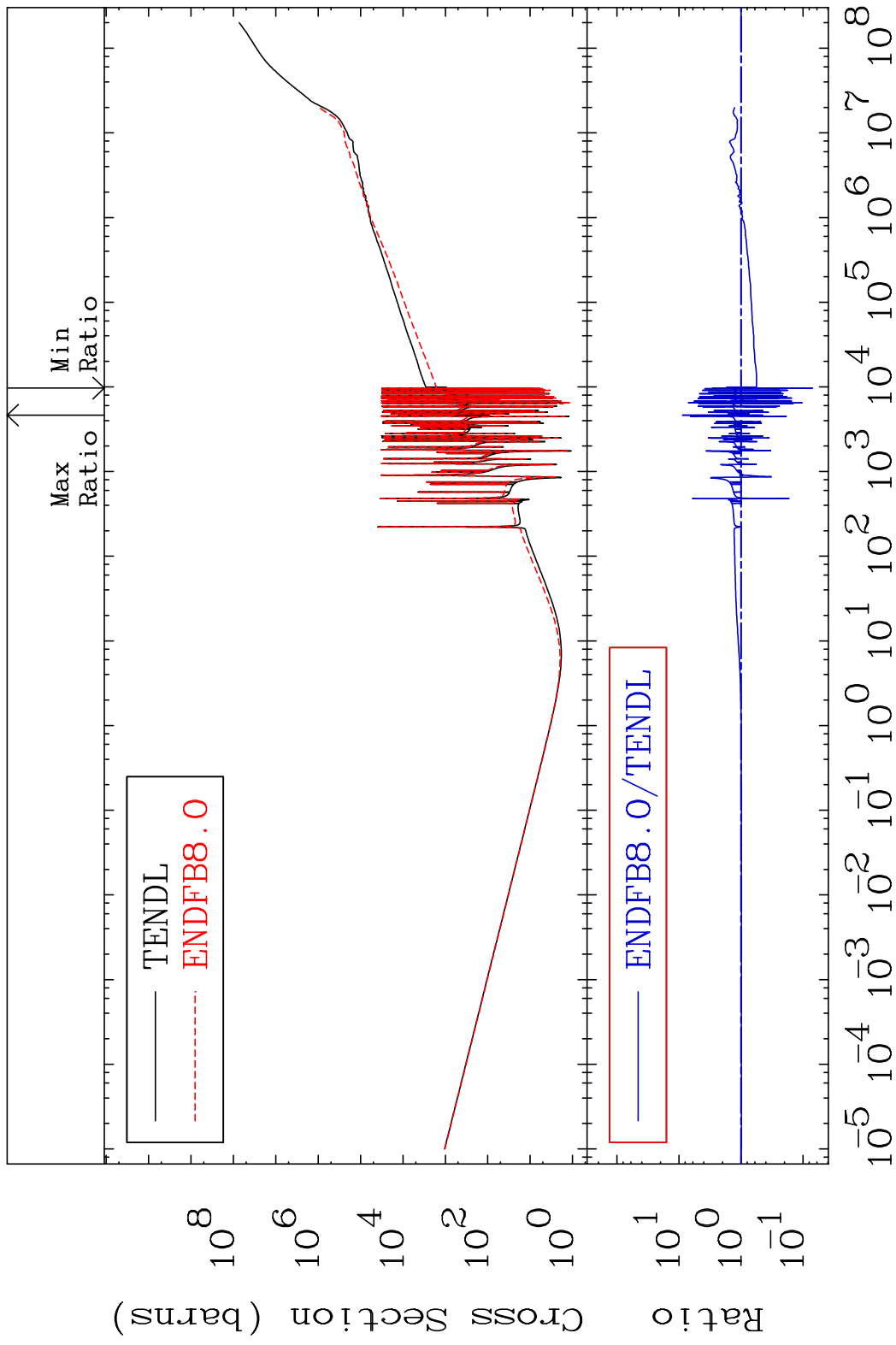
Kerma capture (mt102) 64-Gd-160
Cross Section -93.10 To 9999. %



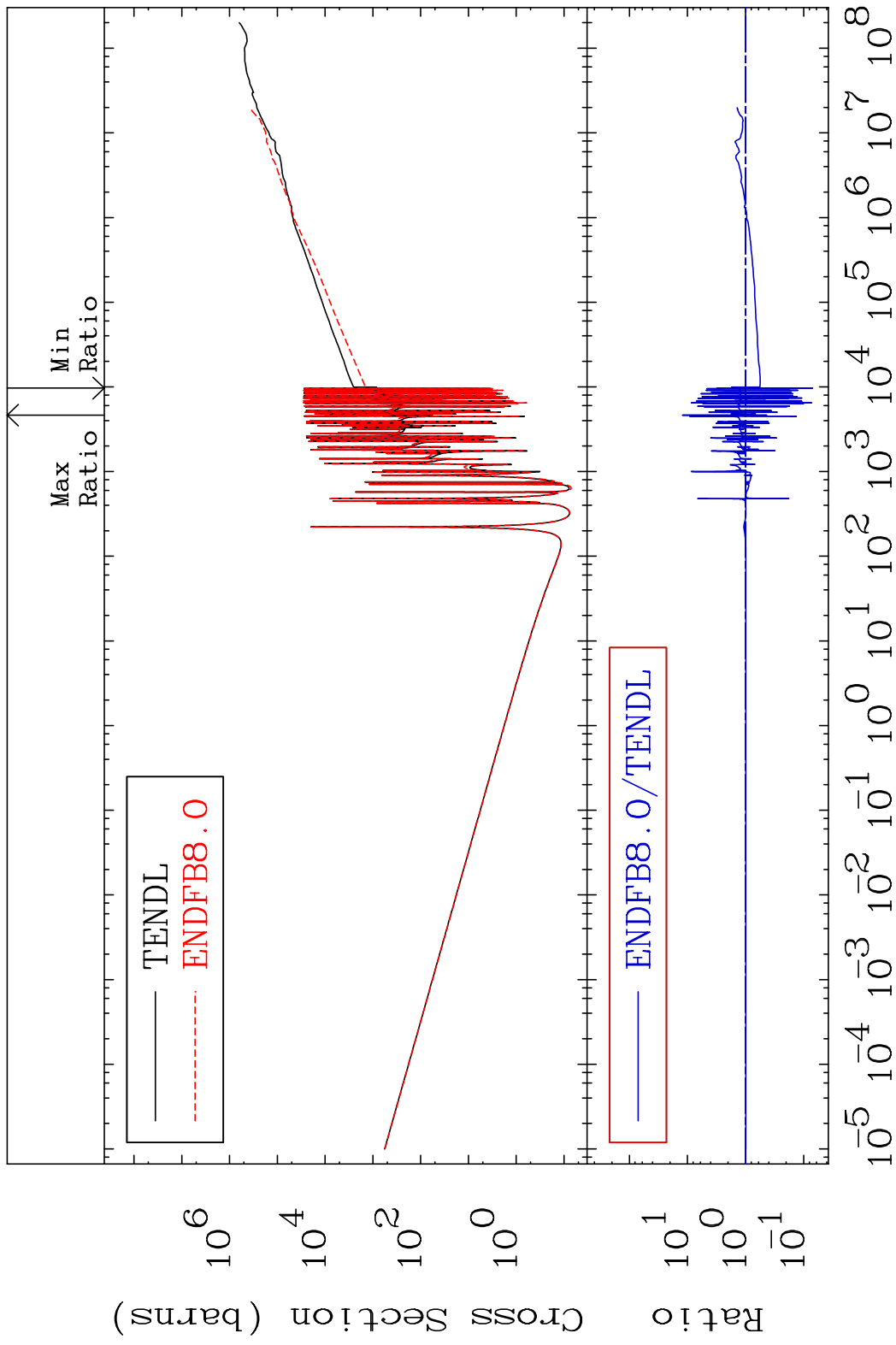
MAT 6449 Total photon (eV-barns) 64-Gd-160
 Cross Section -92.88 To 9999. %



MAT 6449 Total kinematic kerma (high limit) 64-Gd-160
 Cross Section -92.96 To 785.3 %



MAT 6449 Dpa total (eV-barns) 64-Gd-160
 Cross Section -92.96 To 1126. %

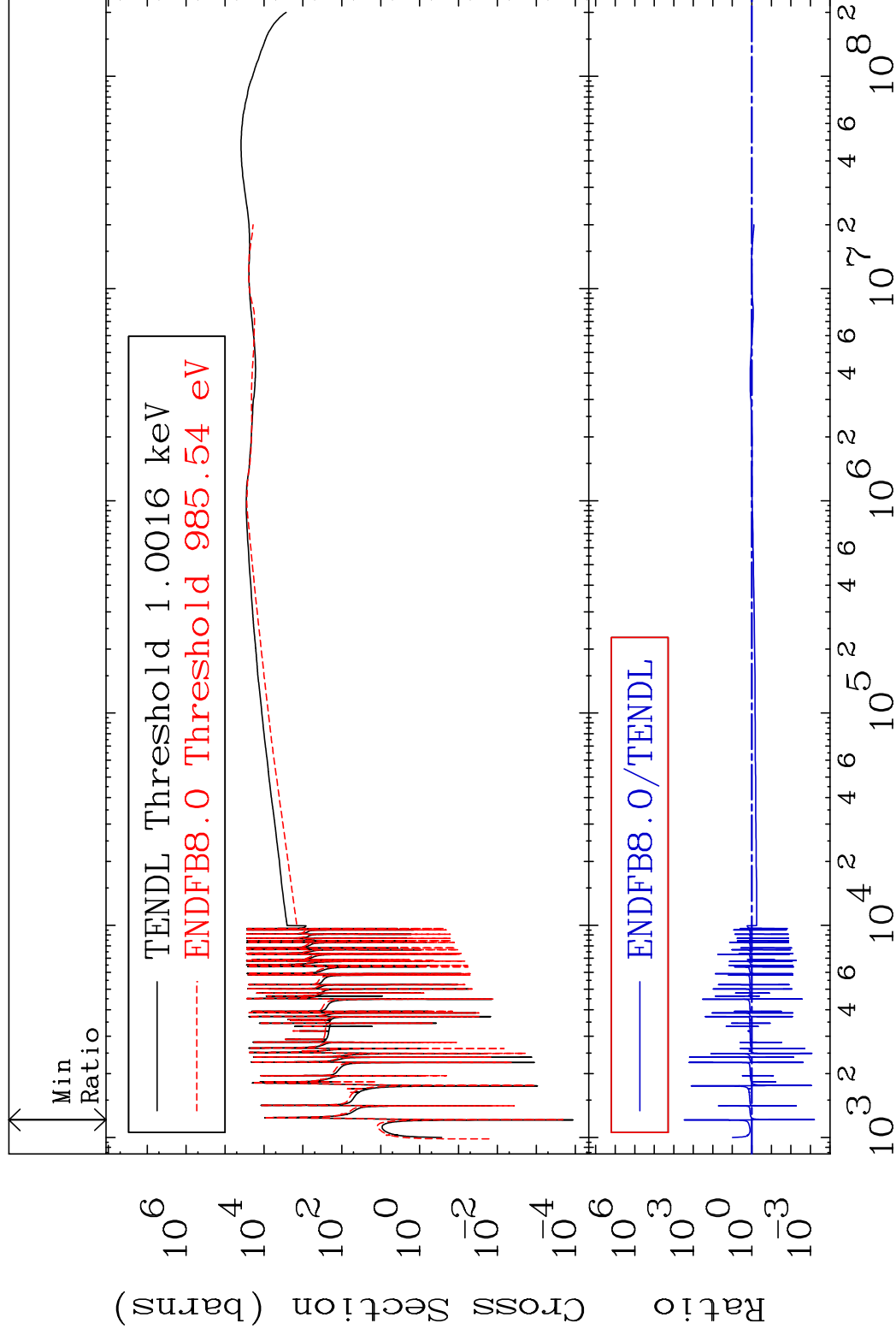


MAT 6449

Dpa elastic (mt2)

64-Gd-160

Cross Section -99.94 To 9999. %



52

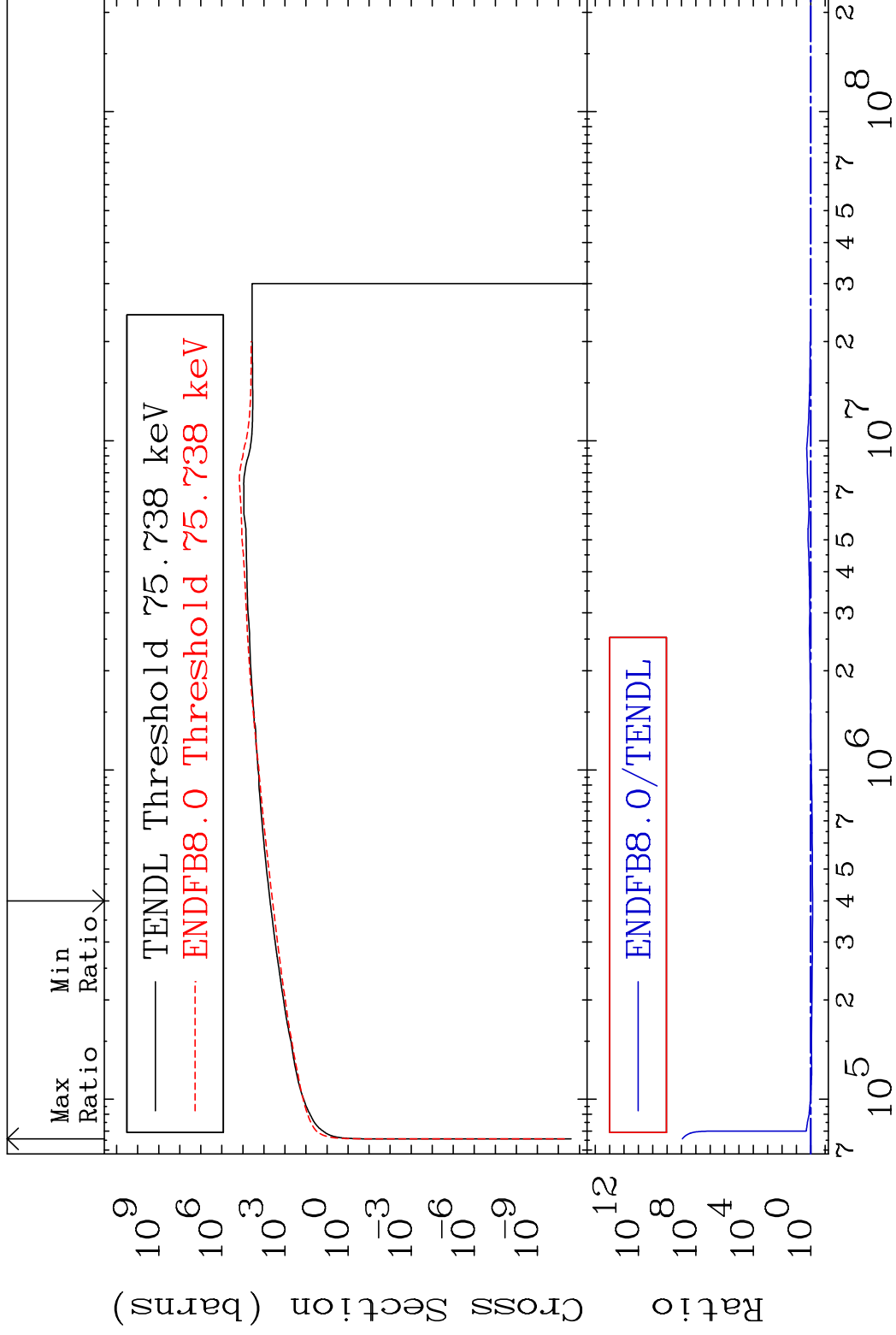
Incident Energy (eV)

64-Gd-160

MAT 6449

Dpa inelastic (mt51-91) 64-Gd-160

Cross Section -23.83 To 9999. %



53

Incident Energy (eV)

64-Gd-160

MAT 6449 Dpa disappearance (mt102 -120) 64-Gd-160
 Cross Section -93.12 To 9999. %

