

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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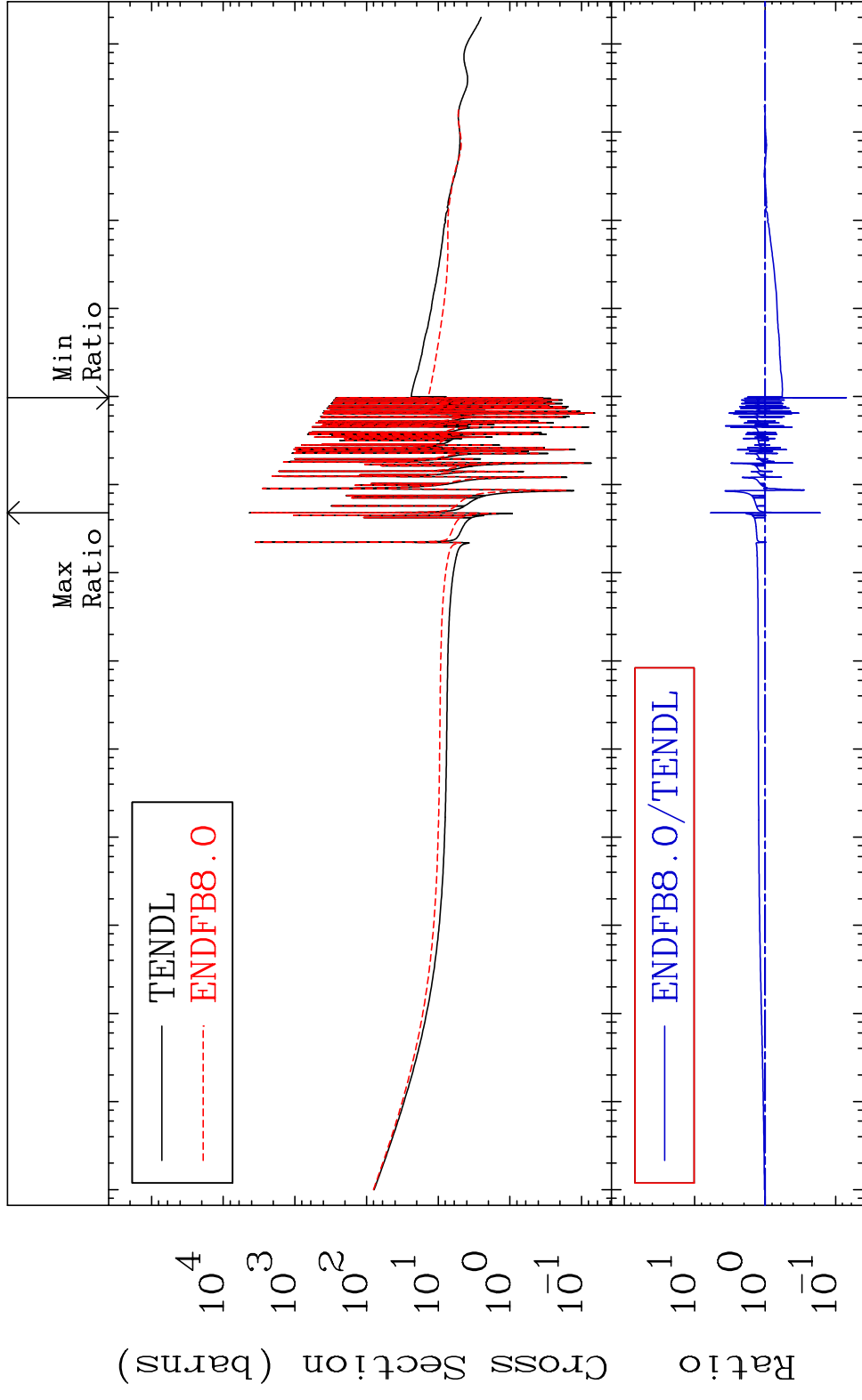
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E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6449

Total Cross Section
64-Gd-160
-92.95 To 492.4 %

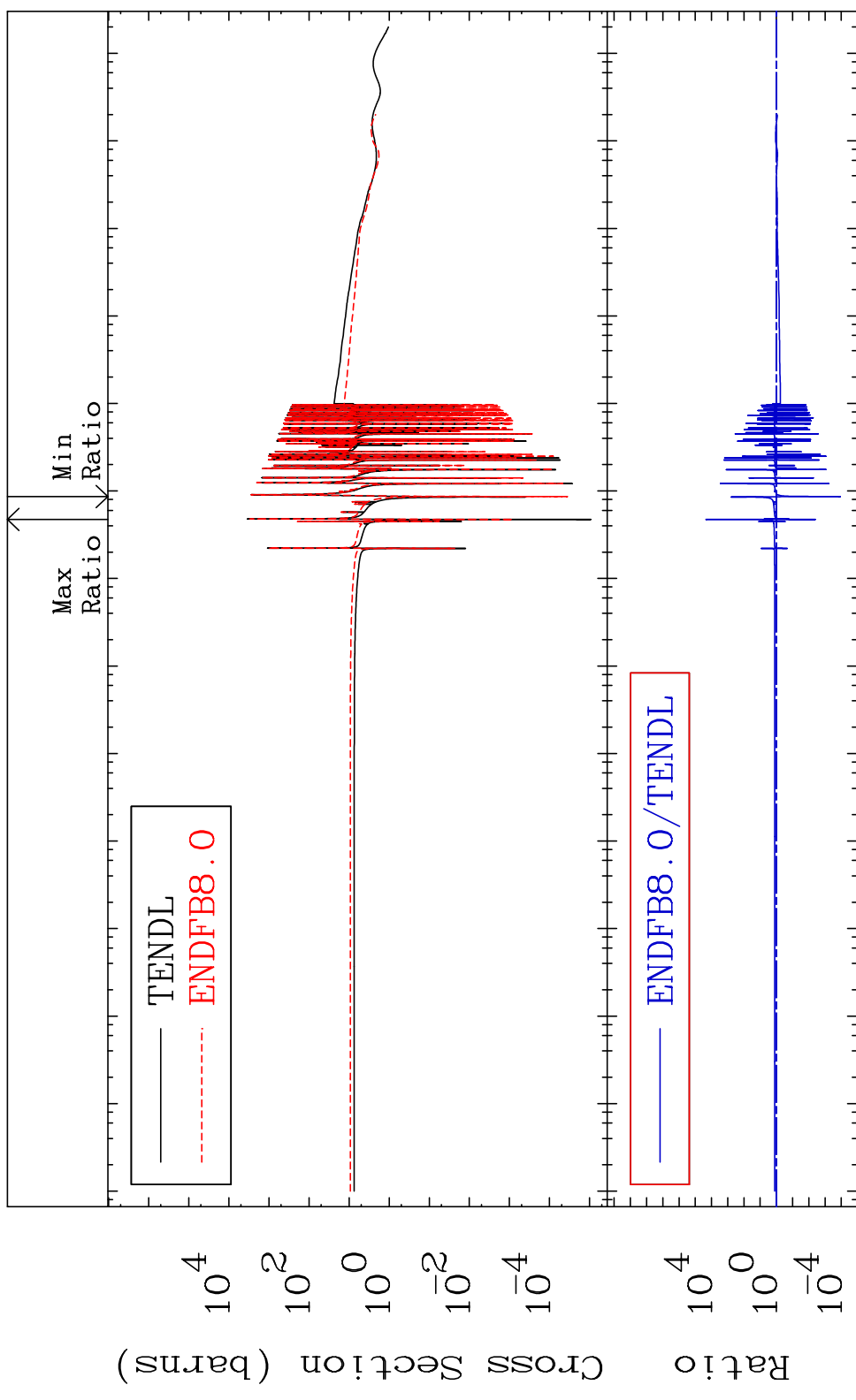


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

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

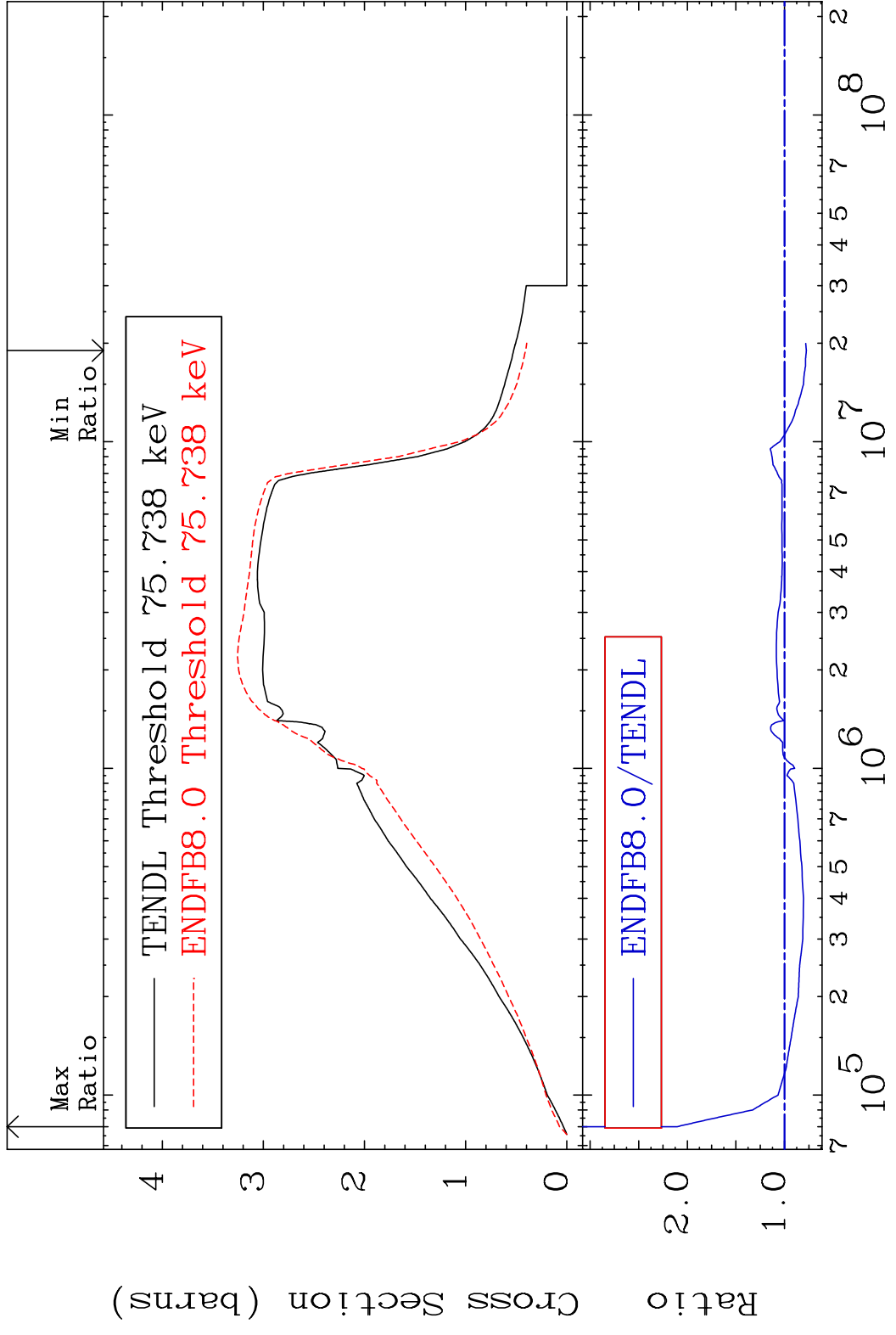
MAT 6449

Inelastic

64-Gd-160

Cross Section

-22.47 To 110.4 %



3

Incident Energy (eV)

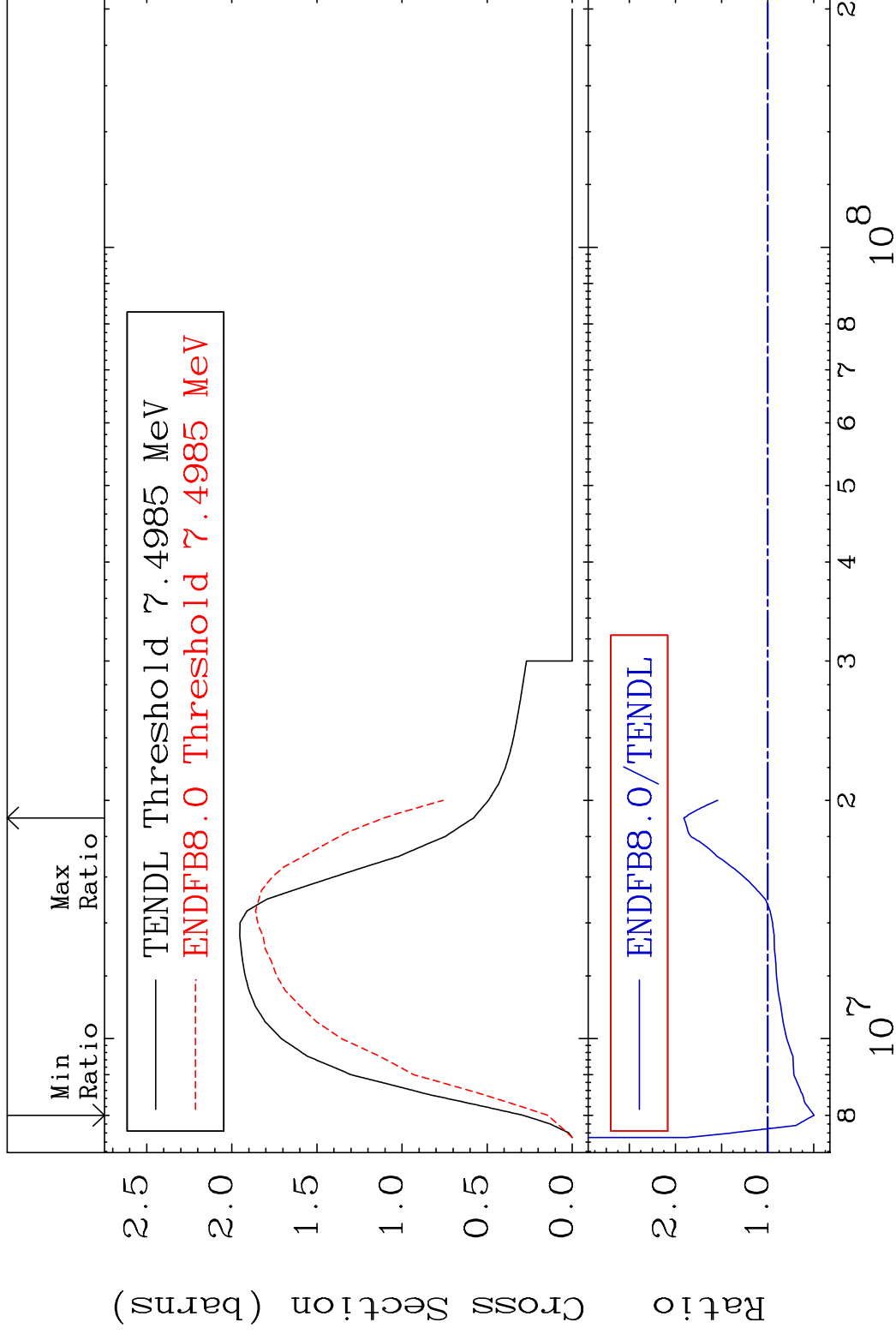
64-Gd-160

MAT 6449

(n,2n)

64-Gd-160

Cross Section -50.33 To 91.09 %



4

Incident Energy (eV)

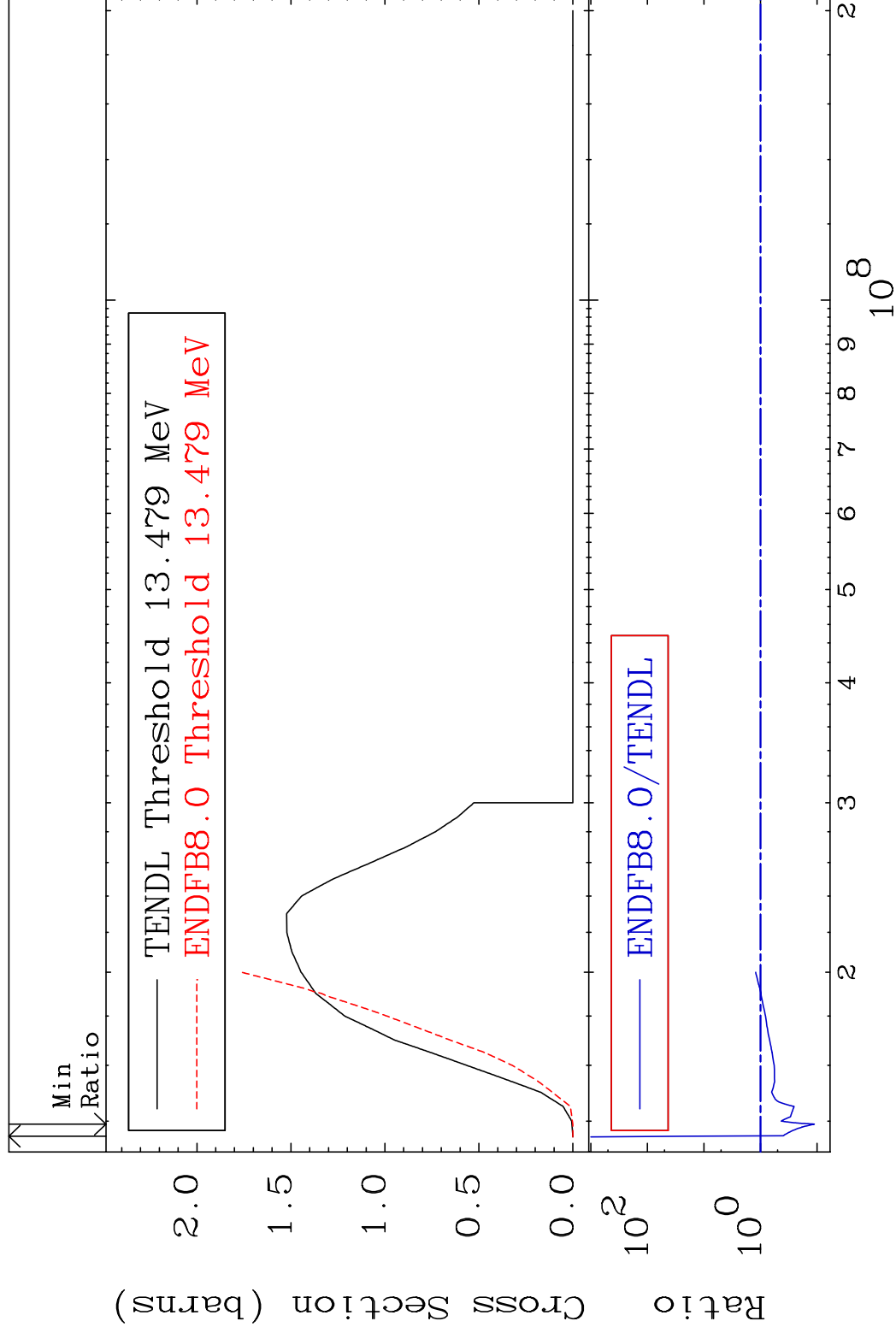
64-Gd-160

MAT 6449

(n,3n)

64-Gd-160

Cross Section -88.79 To 2147. %



5

Incident Energy (eV)

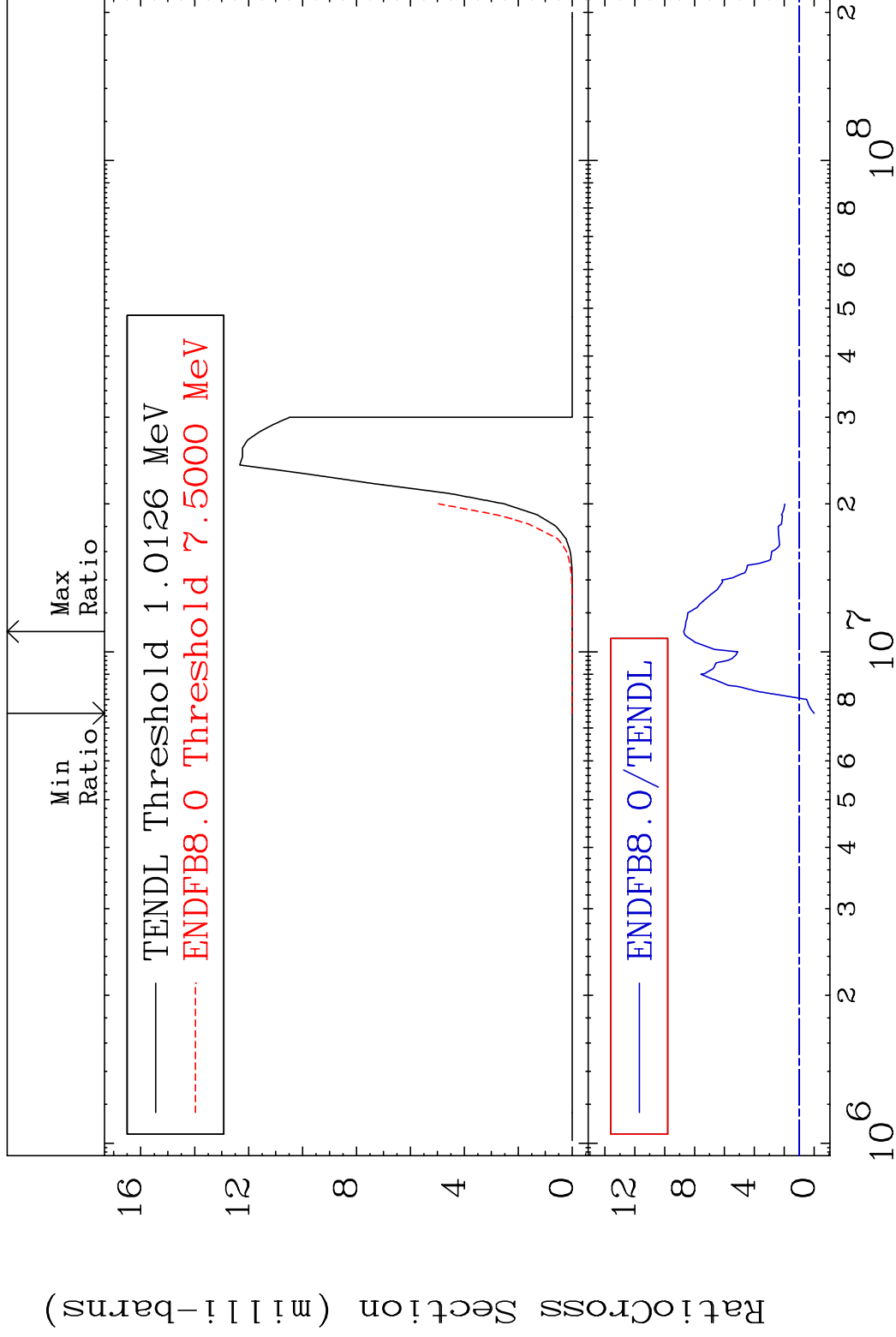
64-Gd-160

MAT 6449

(n, n') α

64-Gd-160

Cross Section -100.0 To 773.0 %



6

Incident Energy (eV)

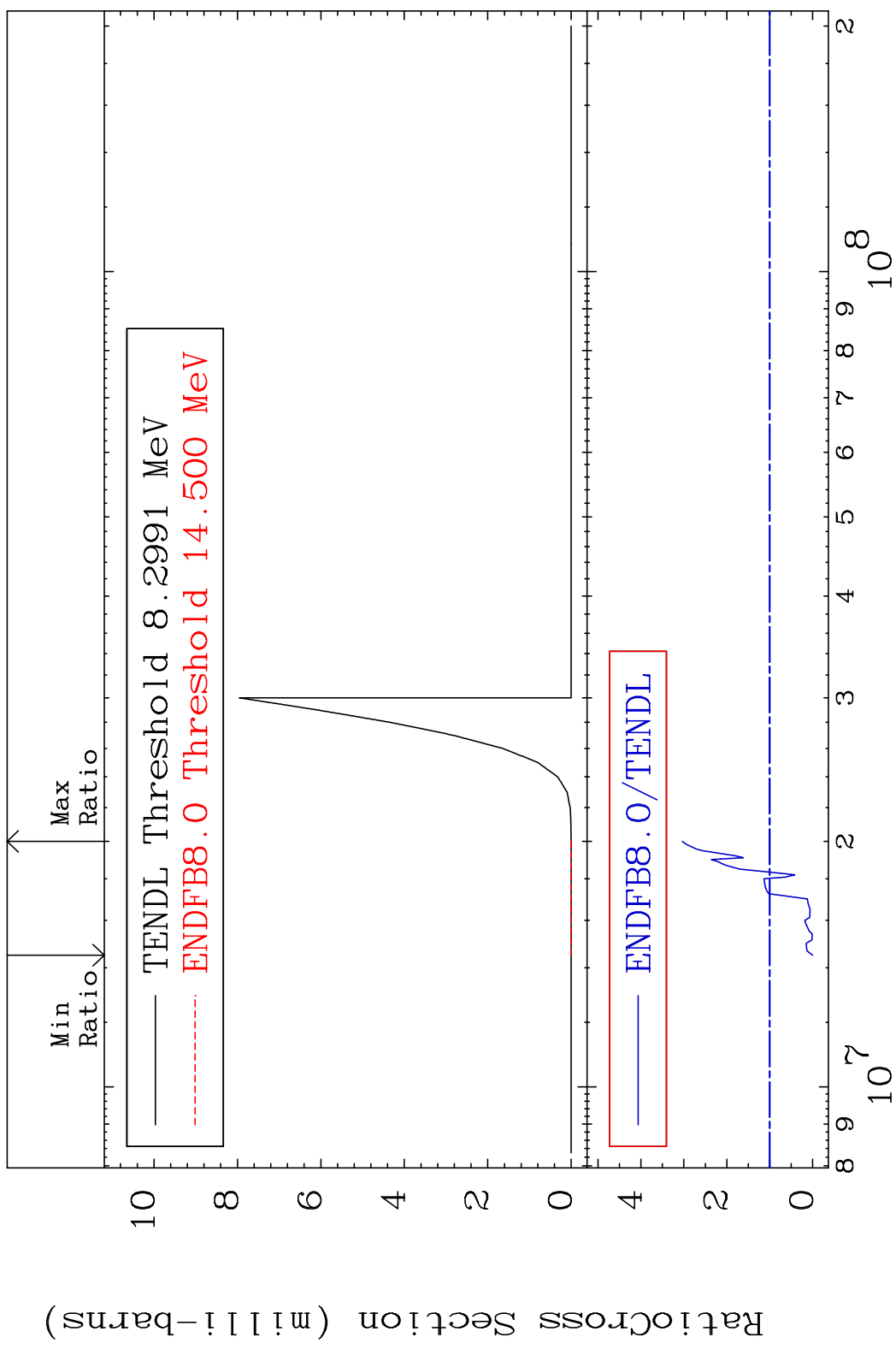
64-Gd-160

MAT 6449

(n,2n) α

64-Gd-160

Cross Section -100.0 To 203.5 %



7

Incident Energy (eV)

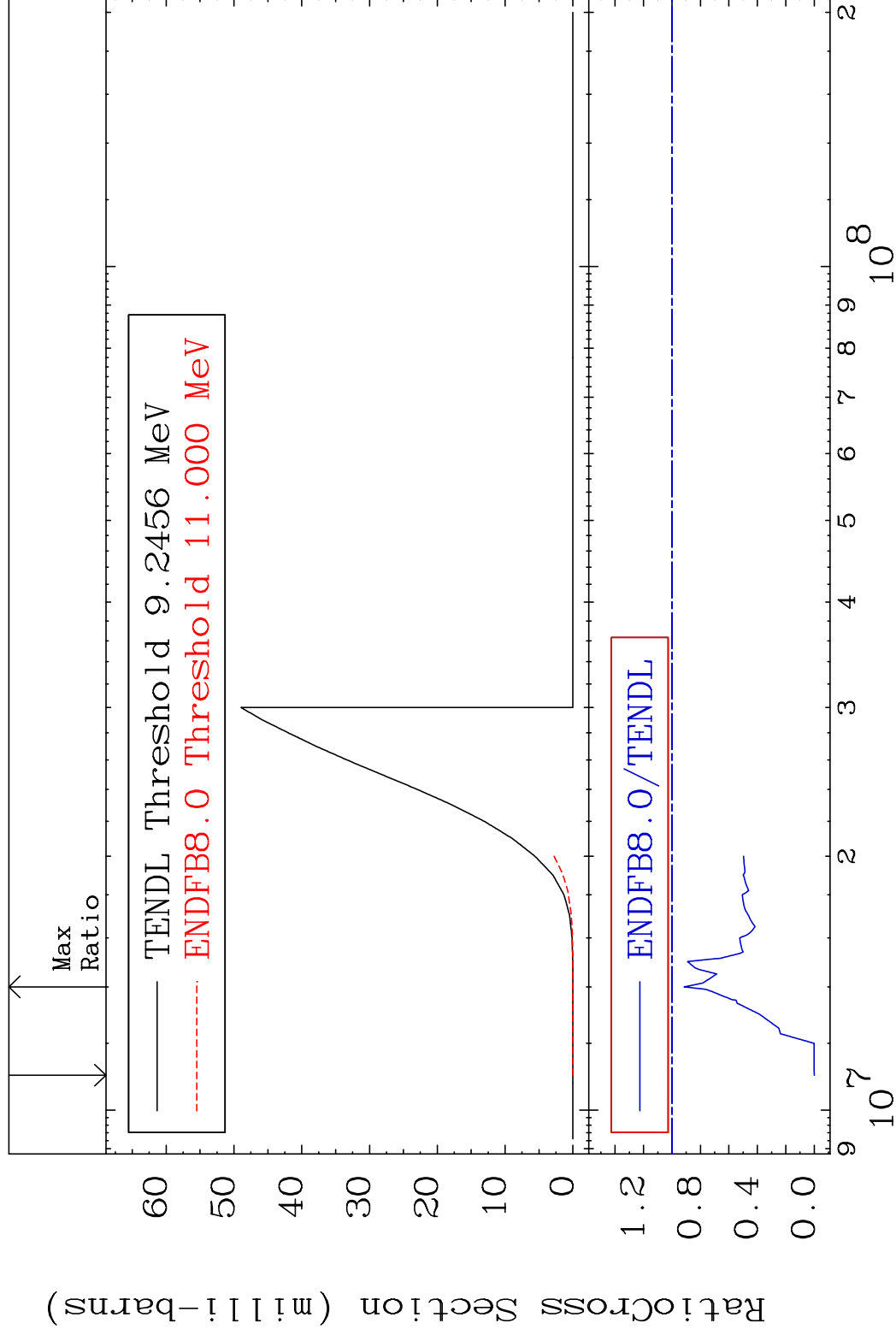
64-Gd-160

MAT 6449

(n, n') p

64-Gd-160

Cross Section -100.0 To -8.479%

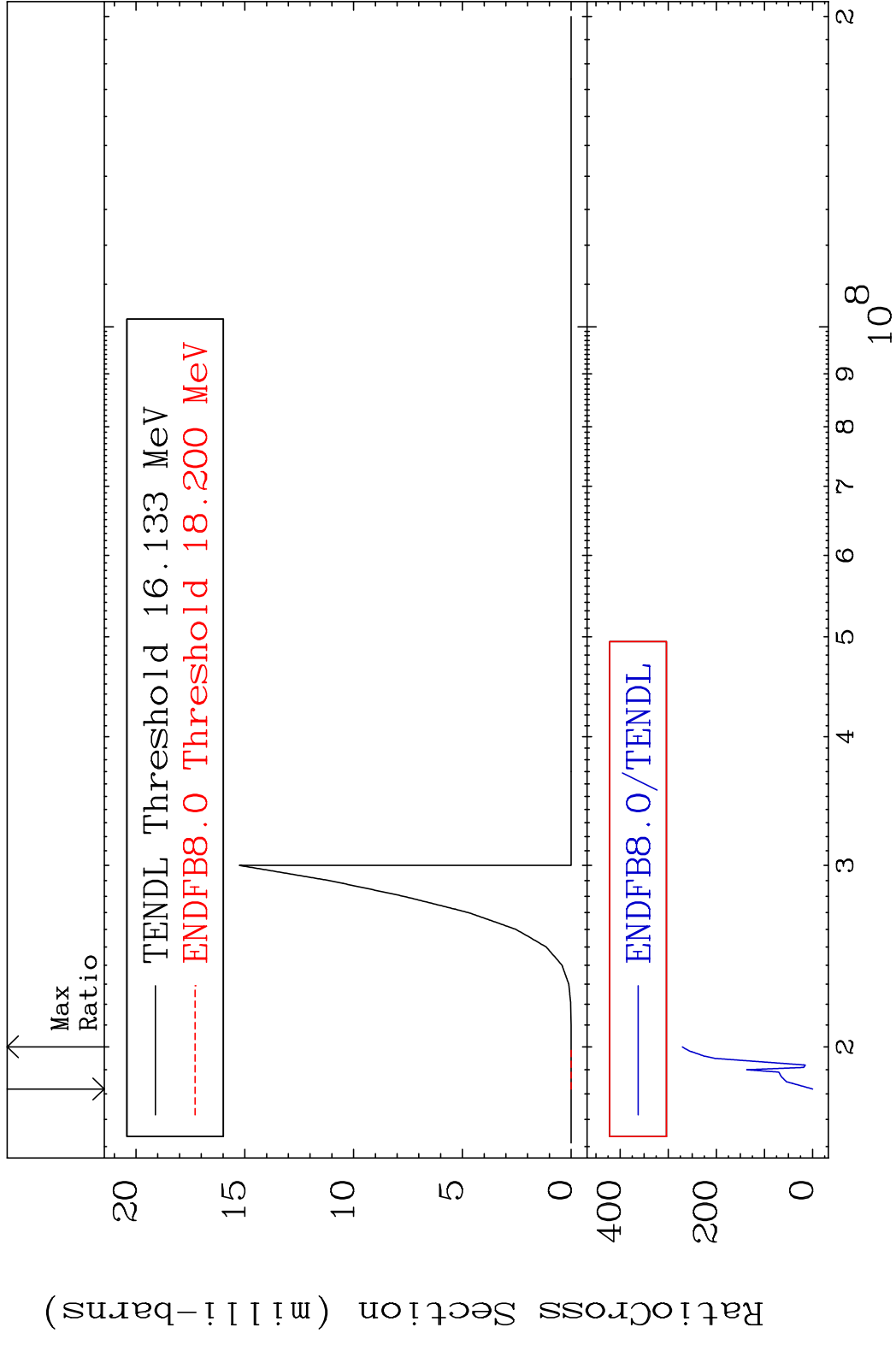


8

Incident Energy (eV)

64-Gd-160

MAT 6449 (n,2n) p 64-Gd-160
 Cross Section -100.0 To -99.97%

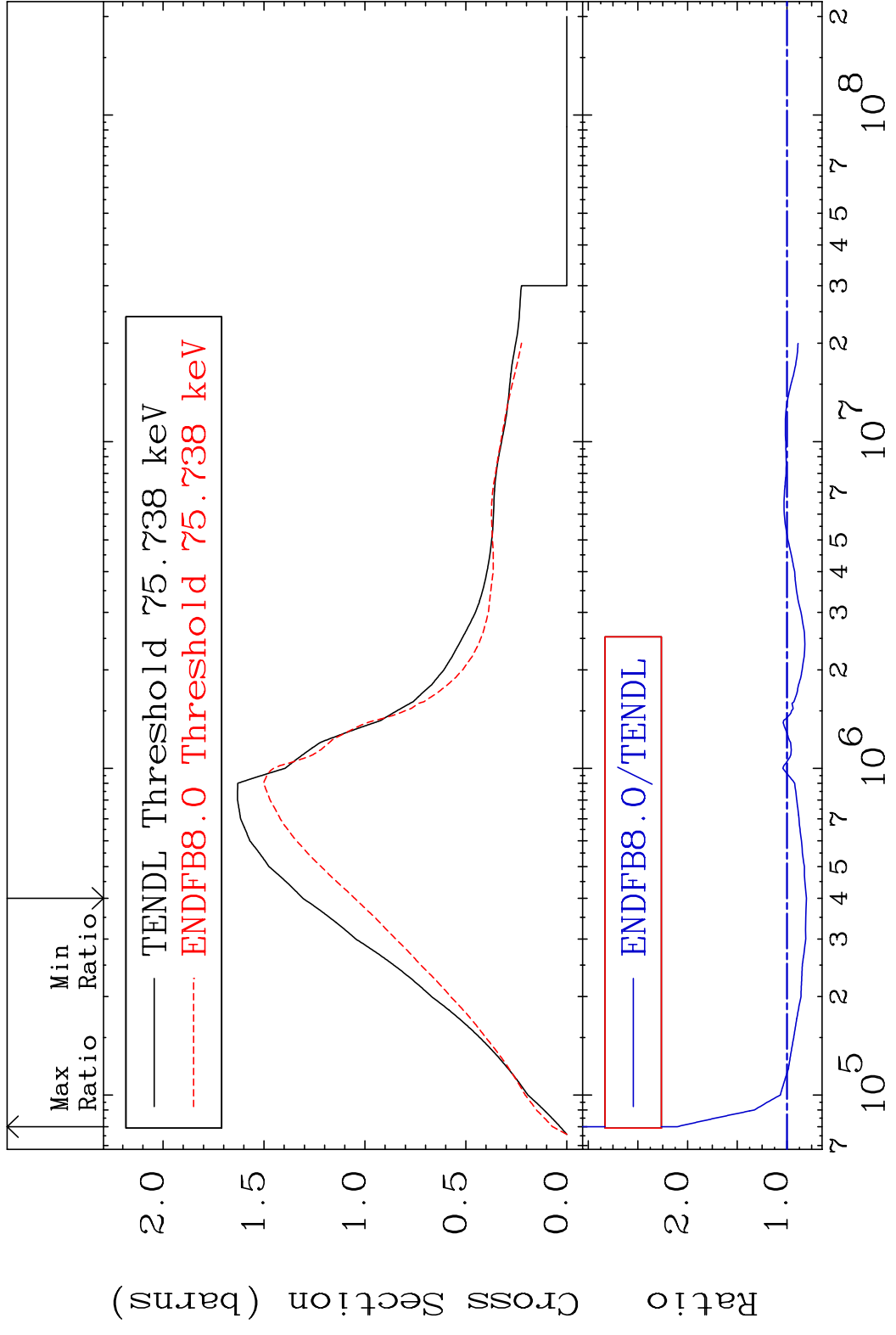


MAT 6449

MT= 51 (n, n') Level

64-Gd-160

Cross Section -19.62 To 110.4 %

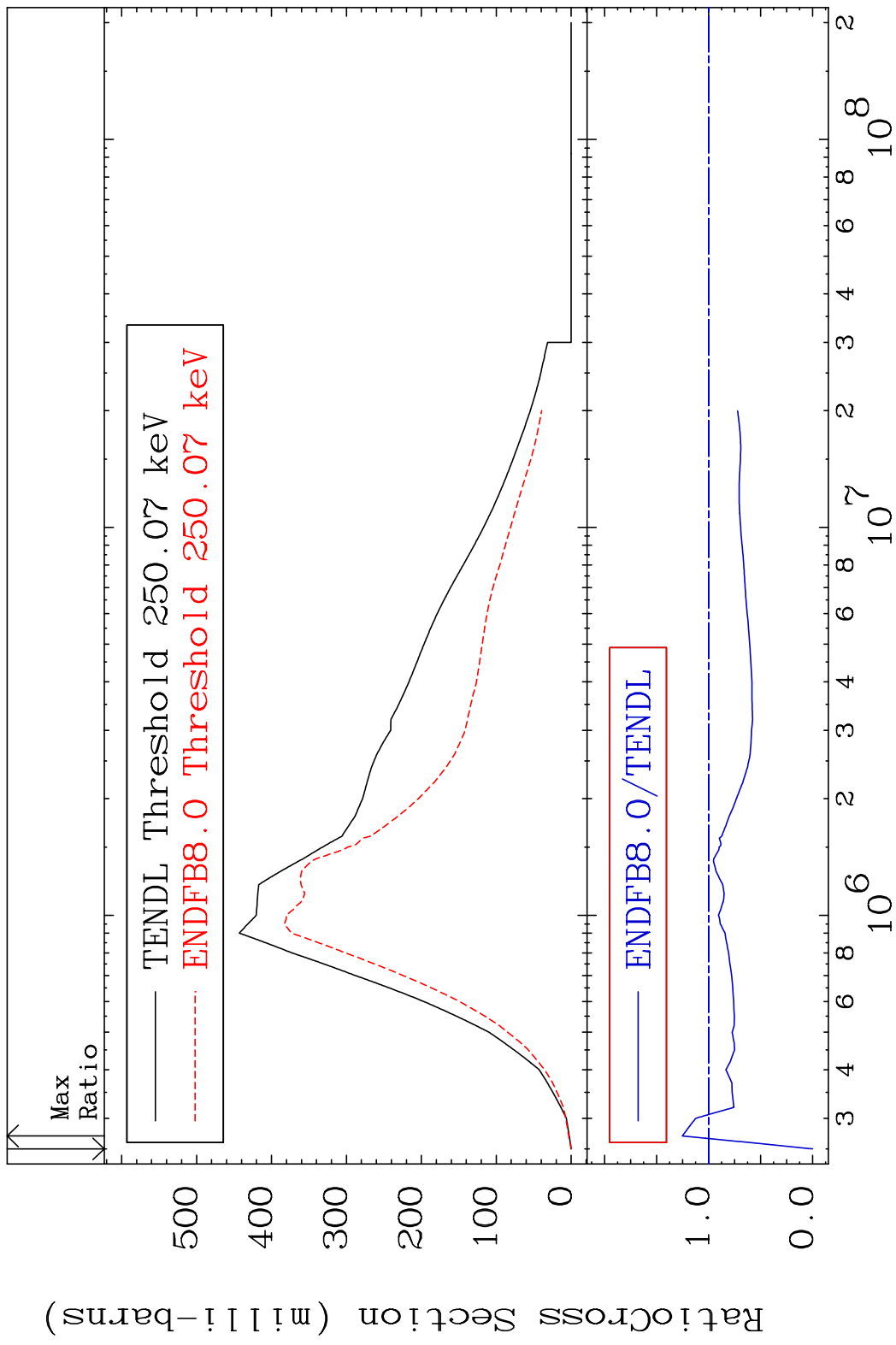


10

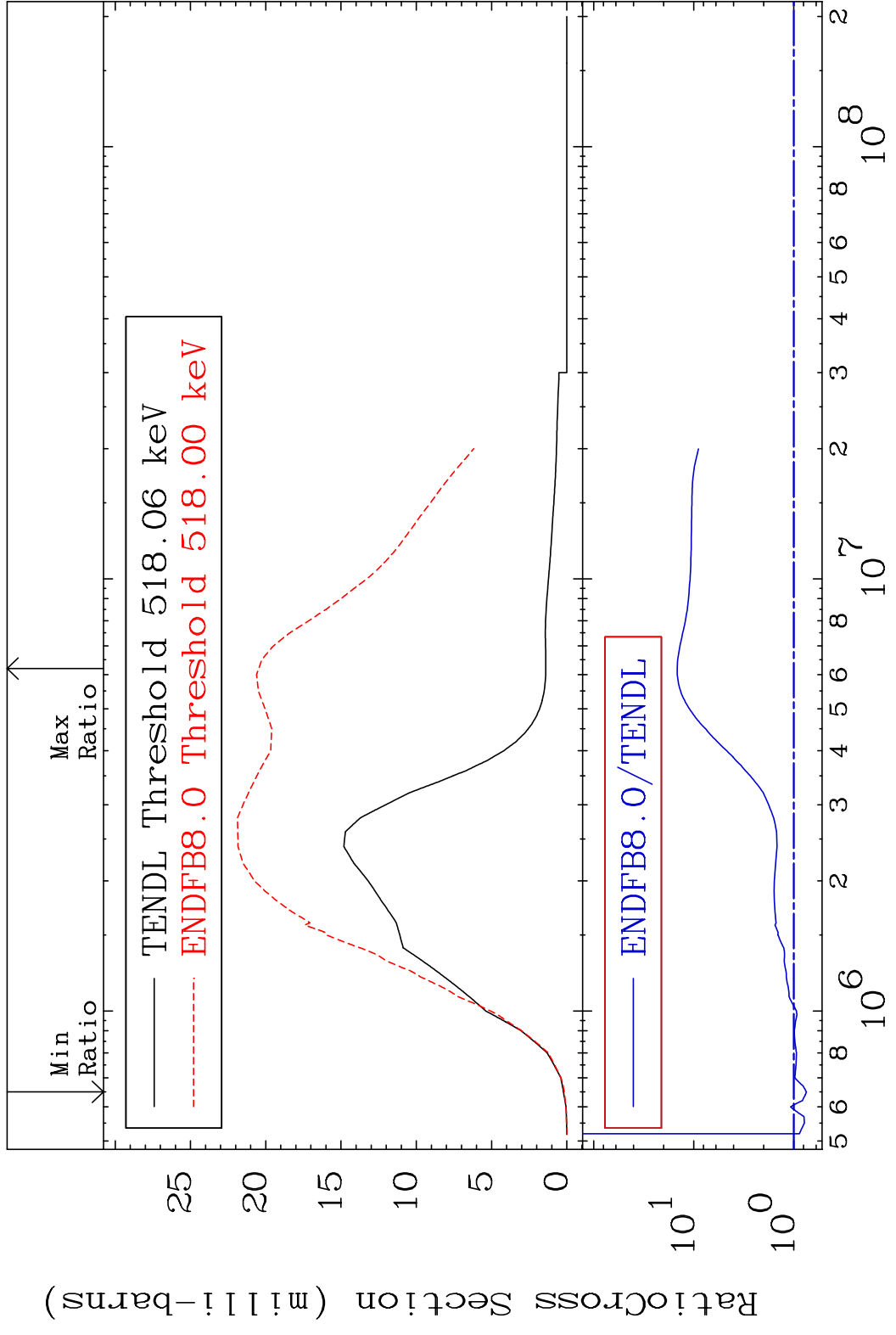
Incident Energy (eV)

64-Gd-160

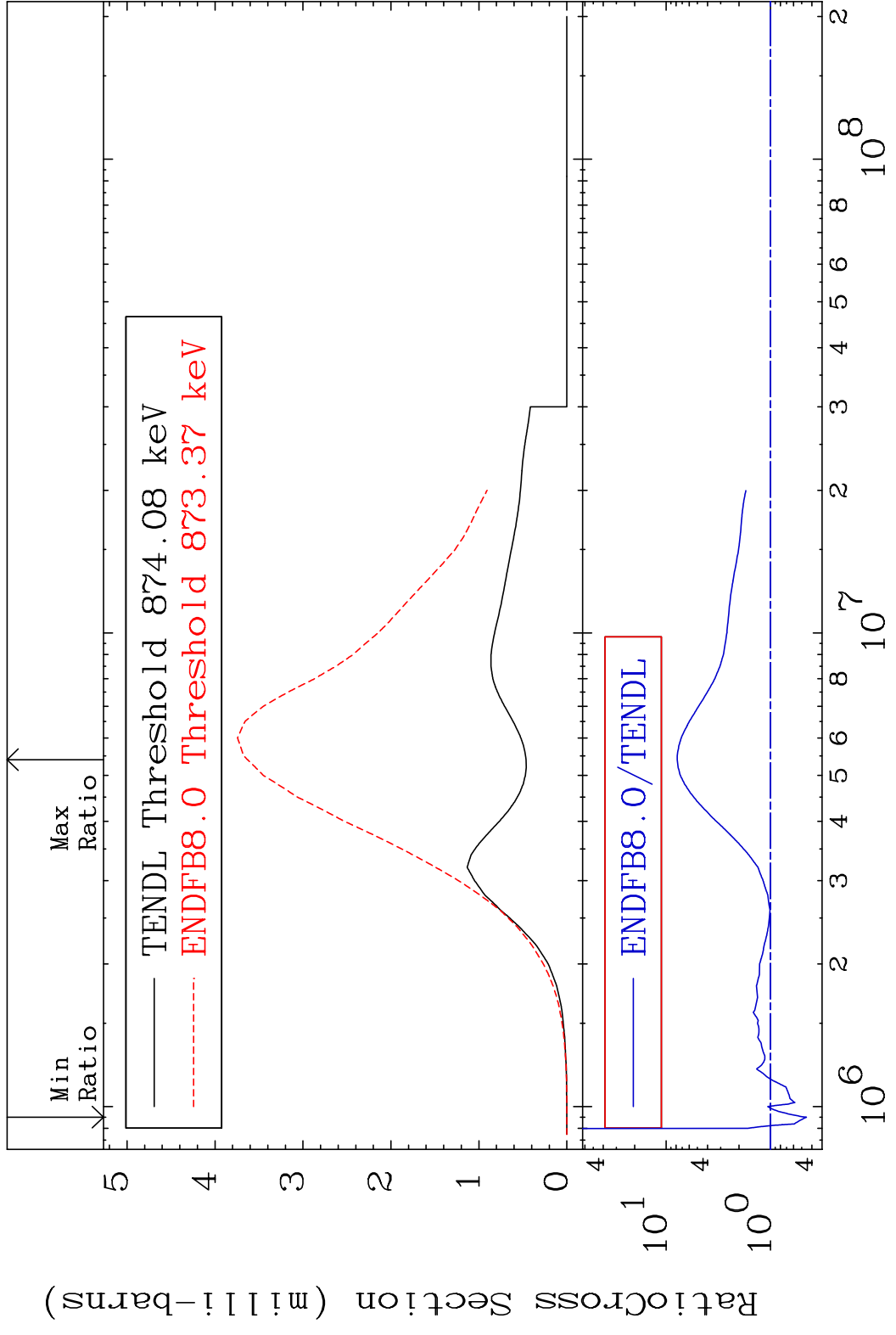
MAT 6449 MT= 52 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 25.24 %



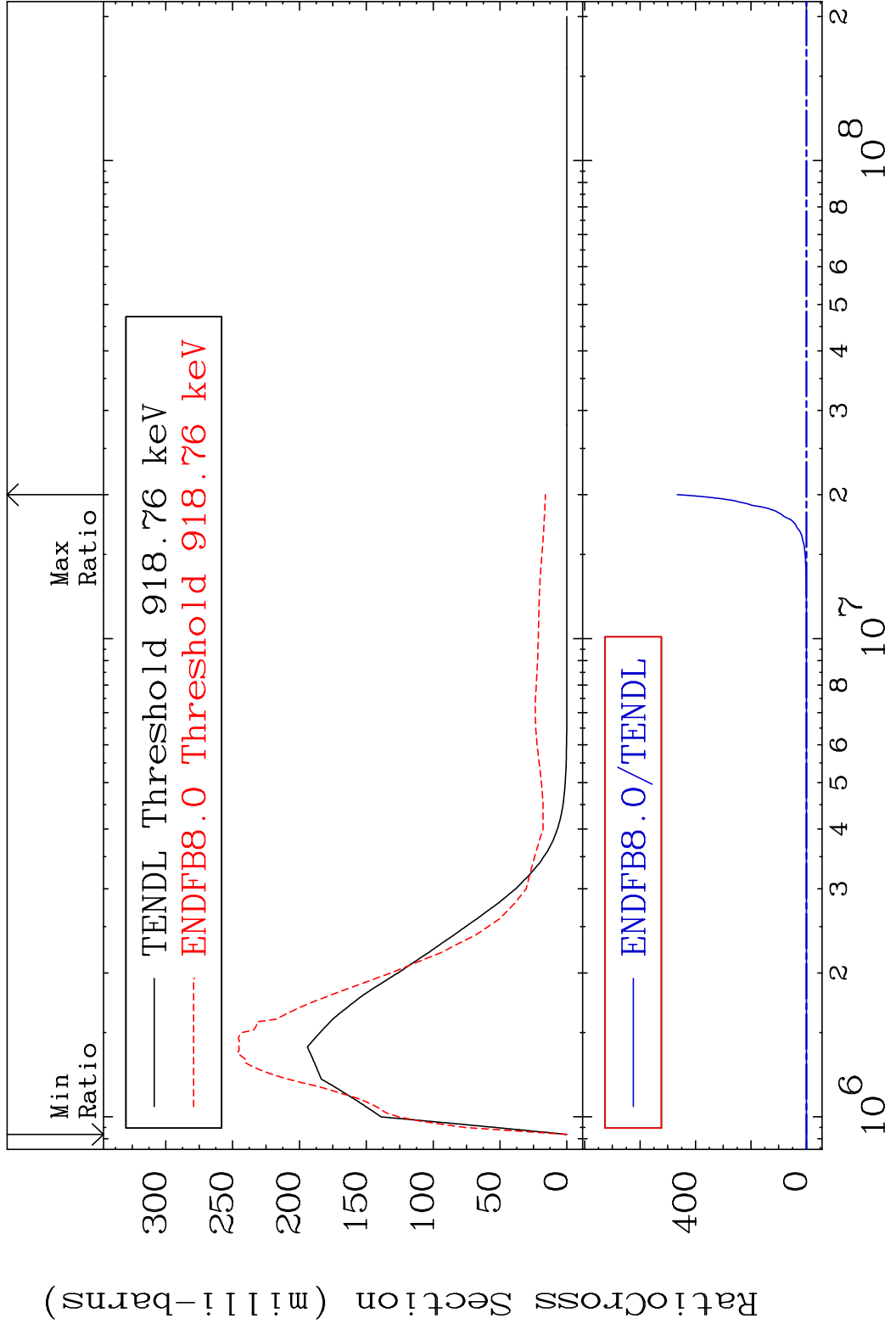
MAT 6449 MT= 53 (n, n') Level 64-Gd-160
 Cross Section -25.04 To 1366. %



MAT 6449 MT= 54 (n, n') Level 64-Gd-160
 Cross Section -54.86 To 682.2 %

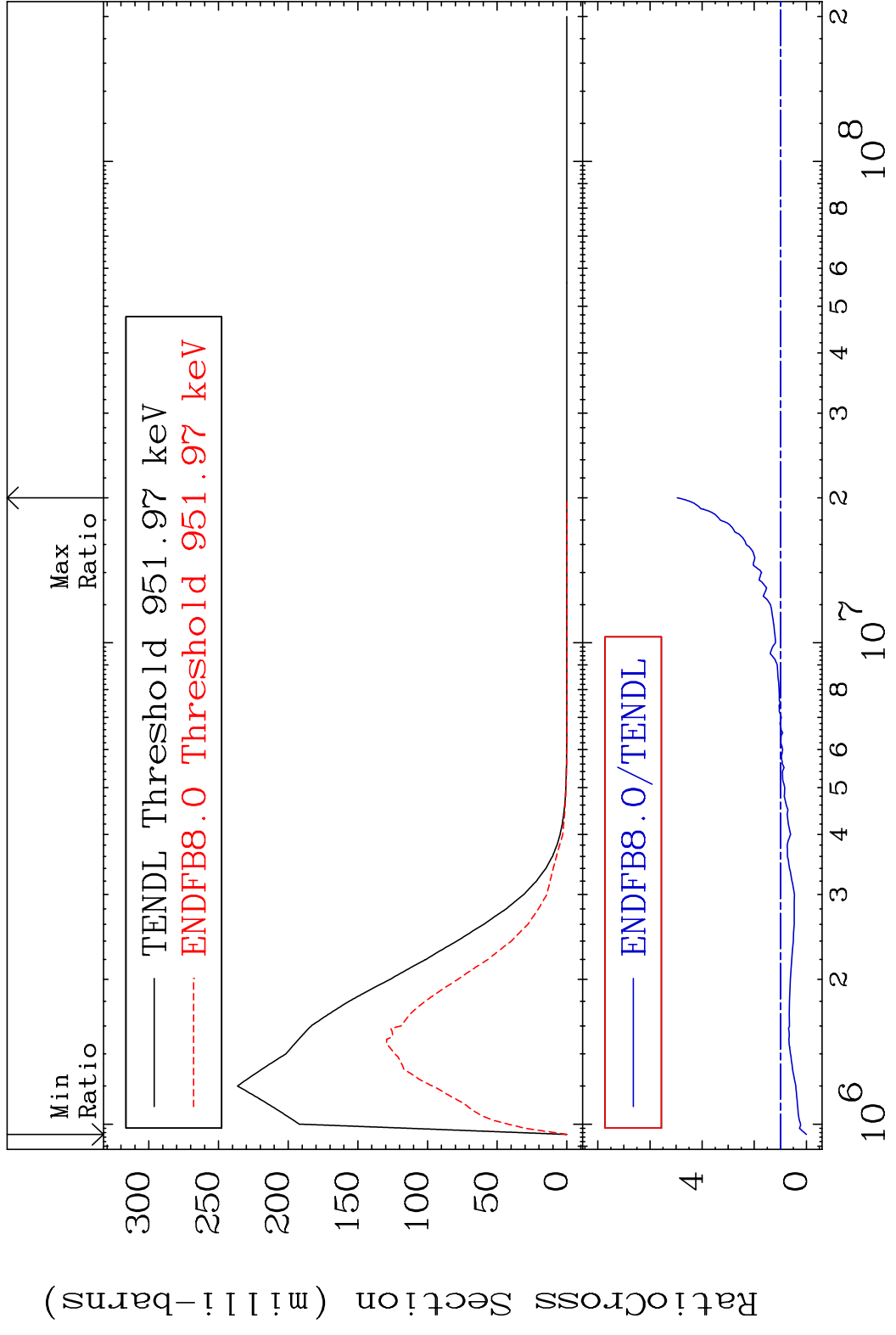


MAT 6449 MT= 55 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %



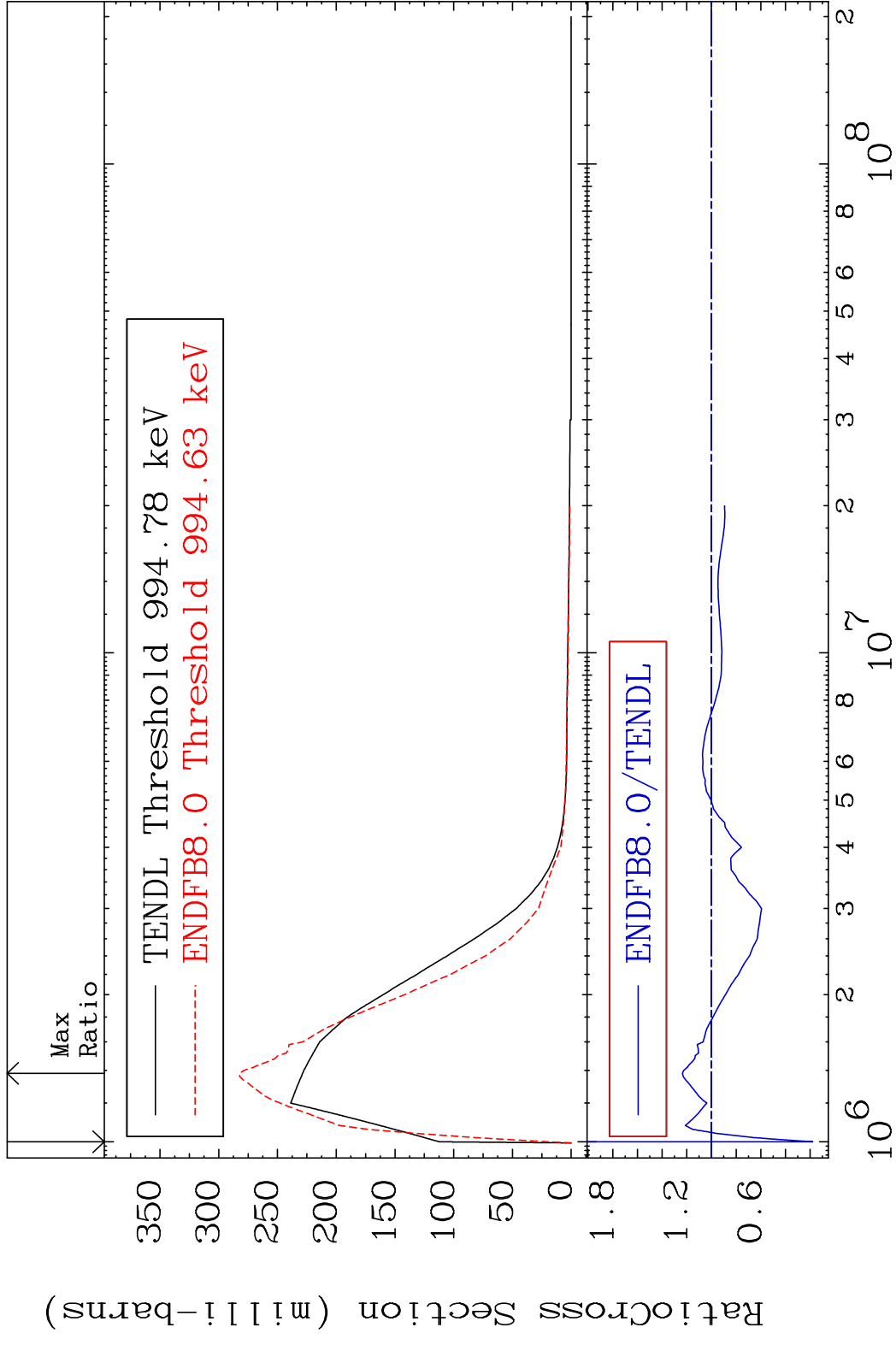
14 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 56 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 395.6 %



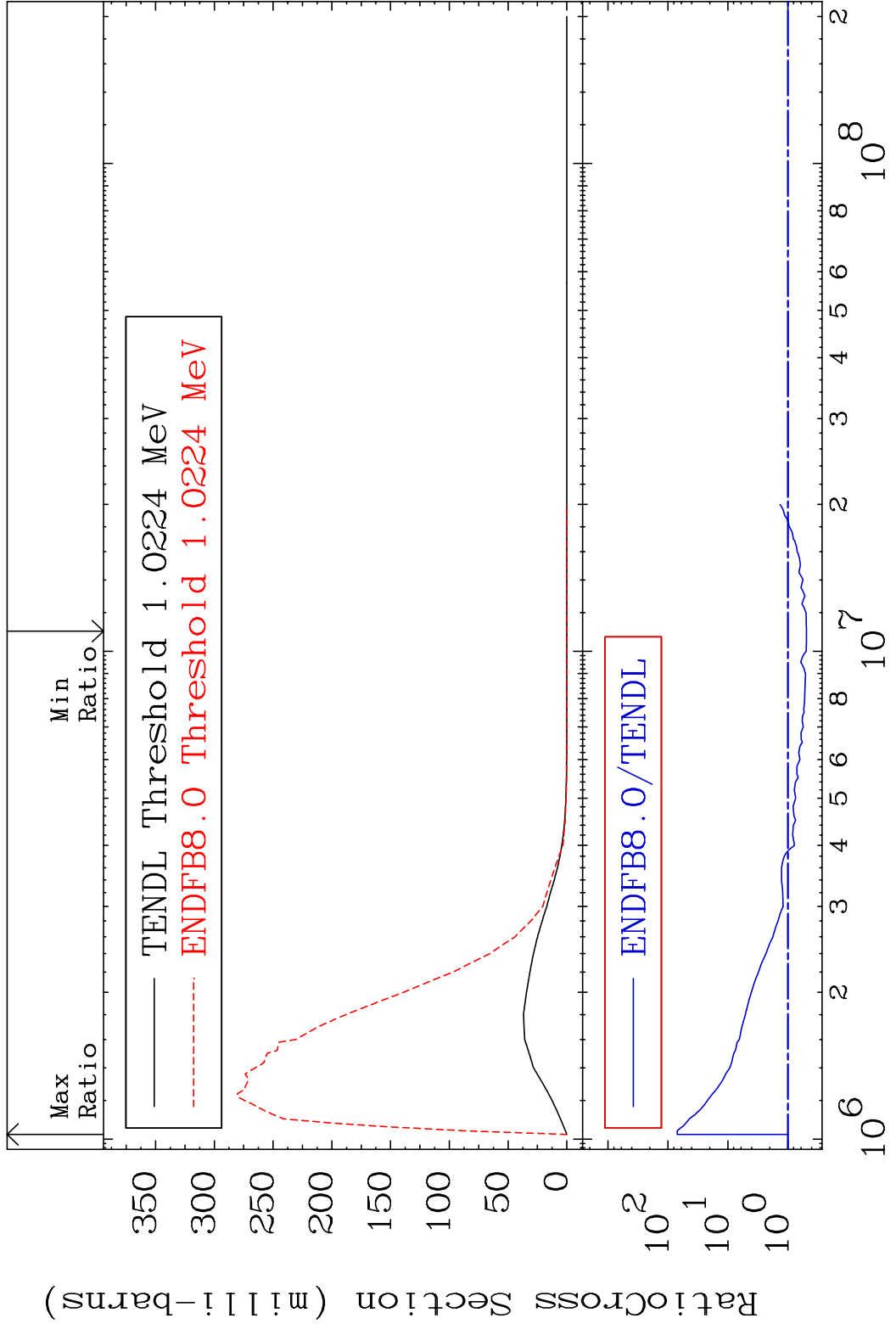
15 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 57 (n,n') Level 64-Gd-160
 Cross Section -81.96 To 23.58 %

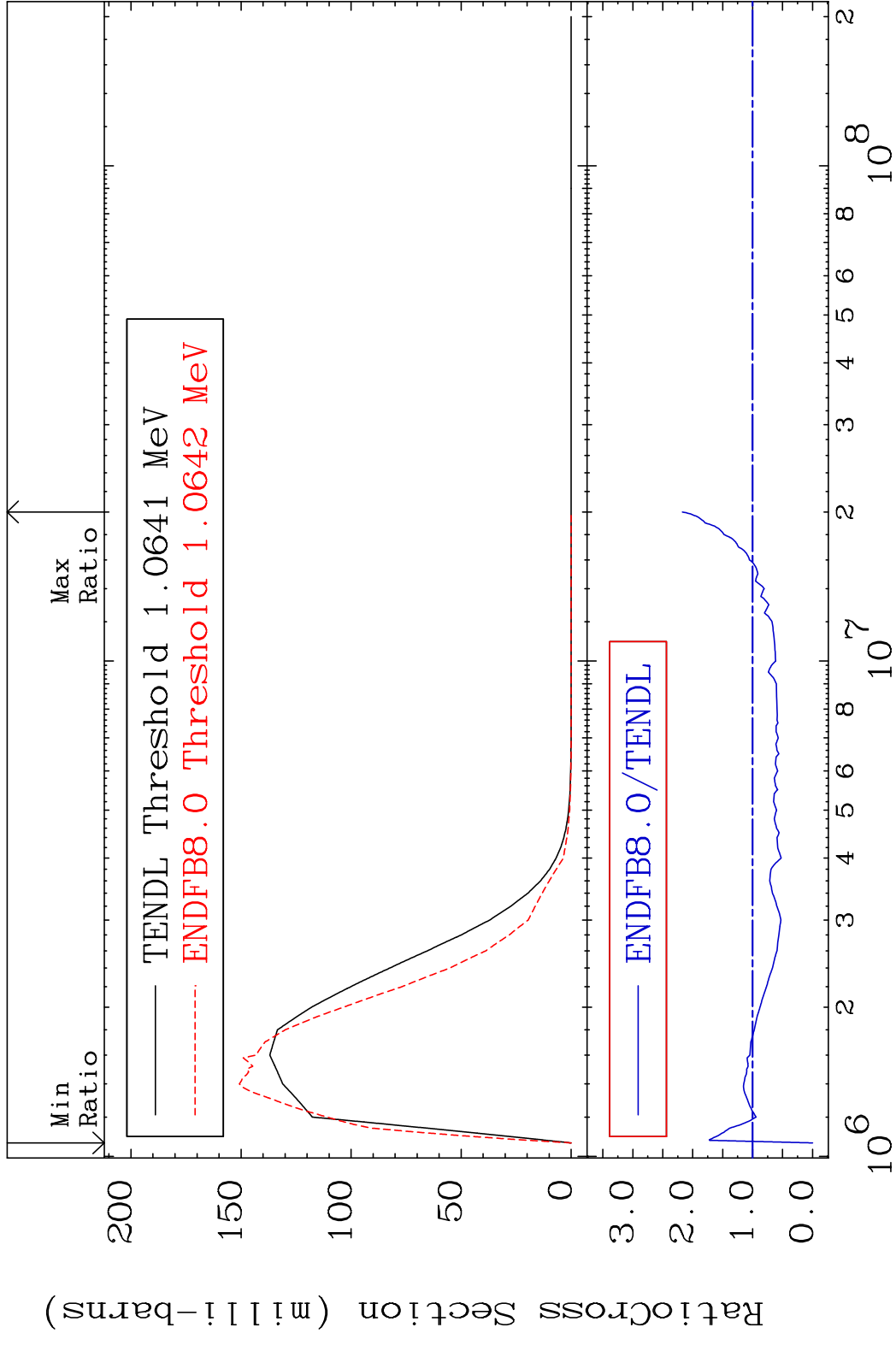


16 Incident Energy (eV) 64-Gd-160

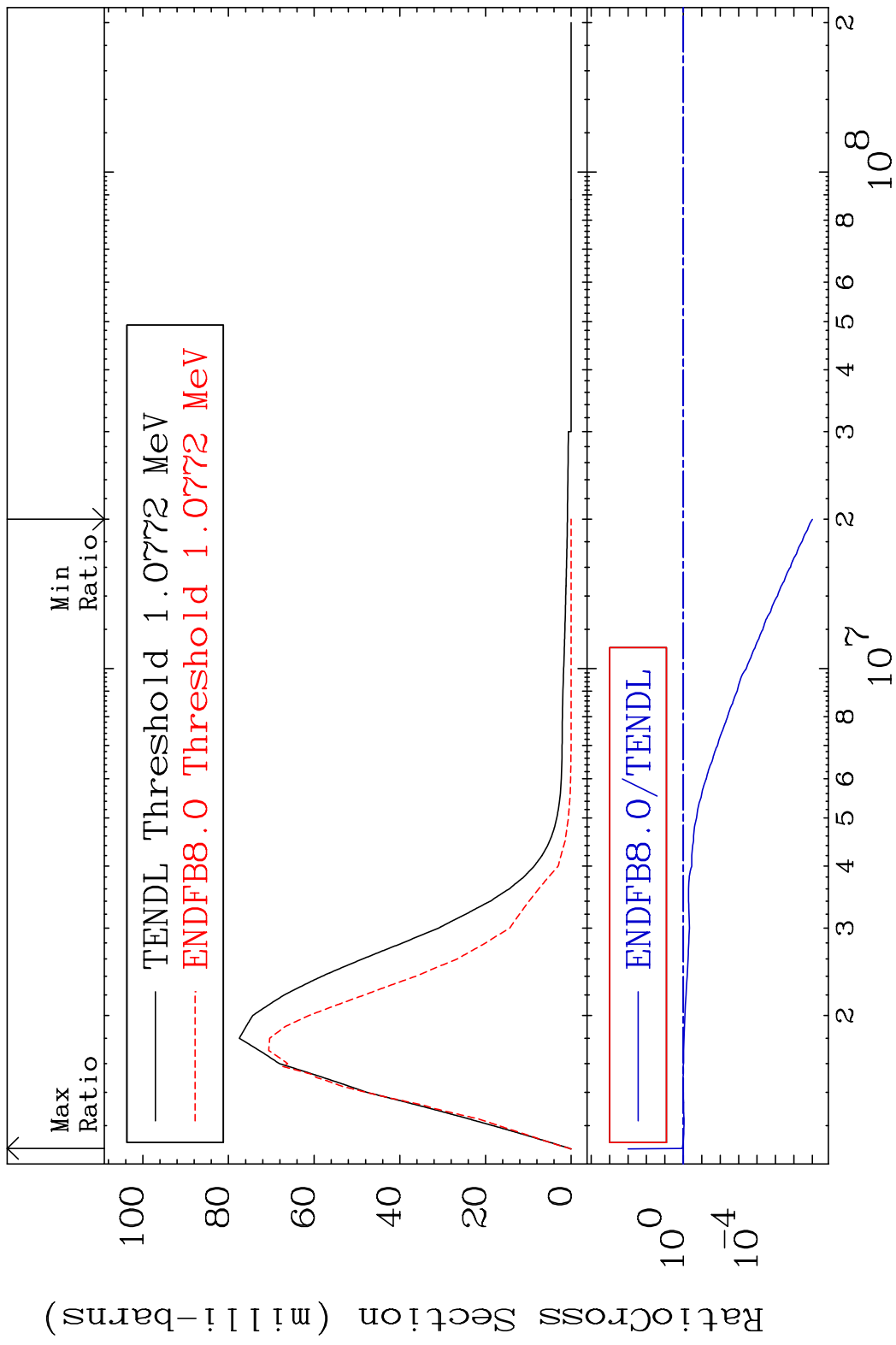
MAT 6449 MT= 58 (n,n') Level 64-Gd-160
 Cross Section -51.08 To 6905. %



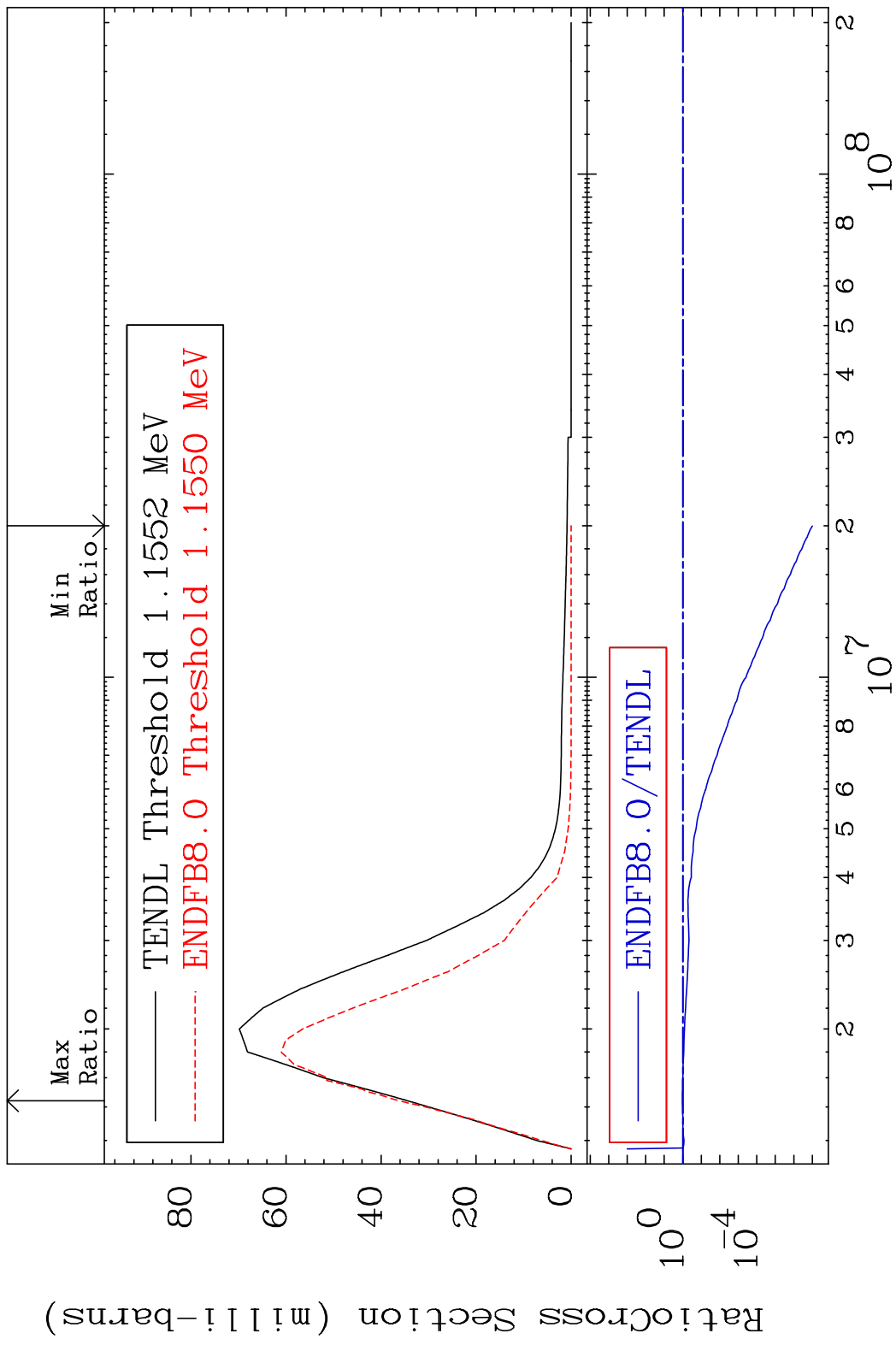
MAT 6449 MT= 59 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 117.3 %



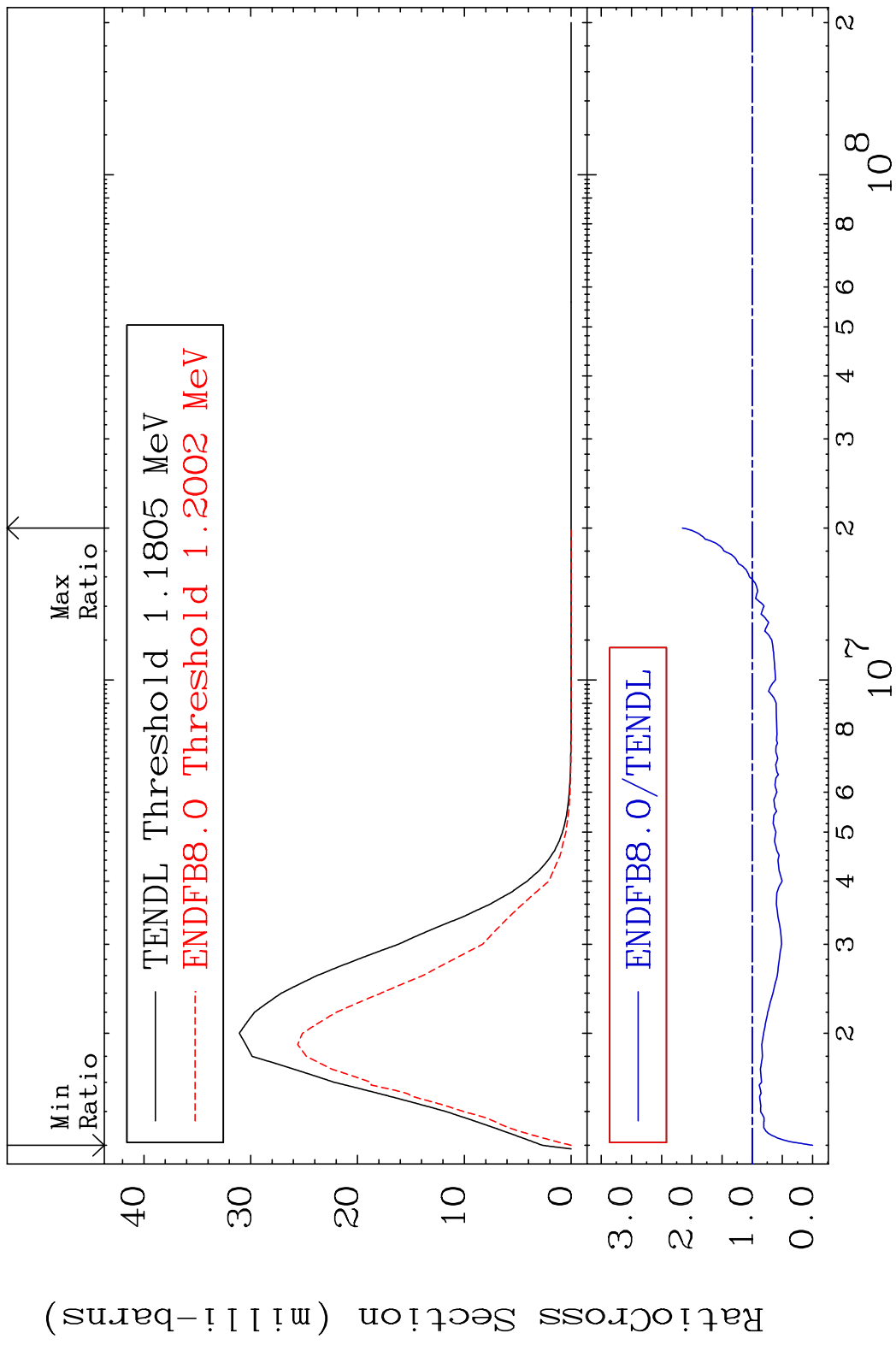
MAT 6449 MT= 60 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 12.77 %



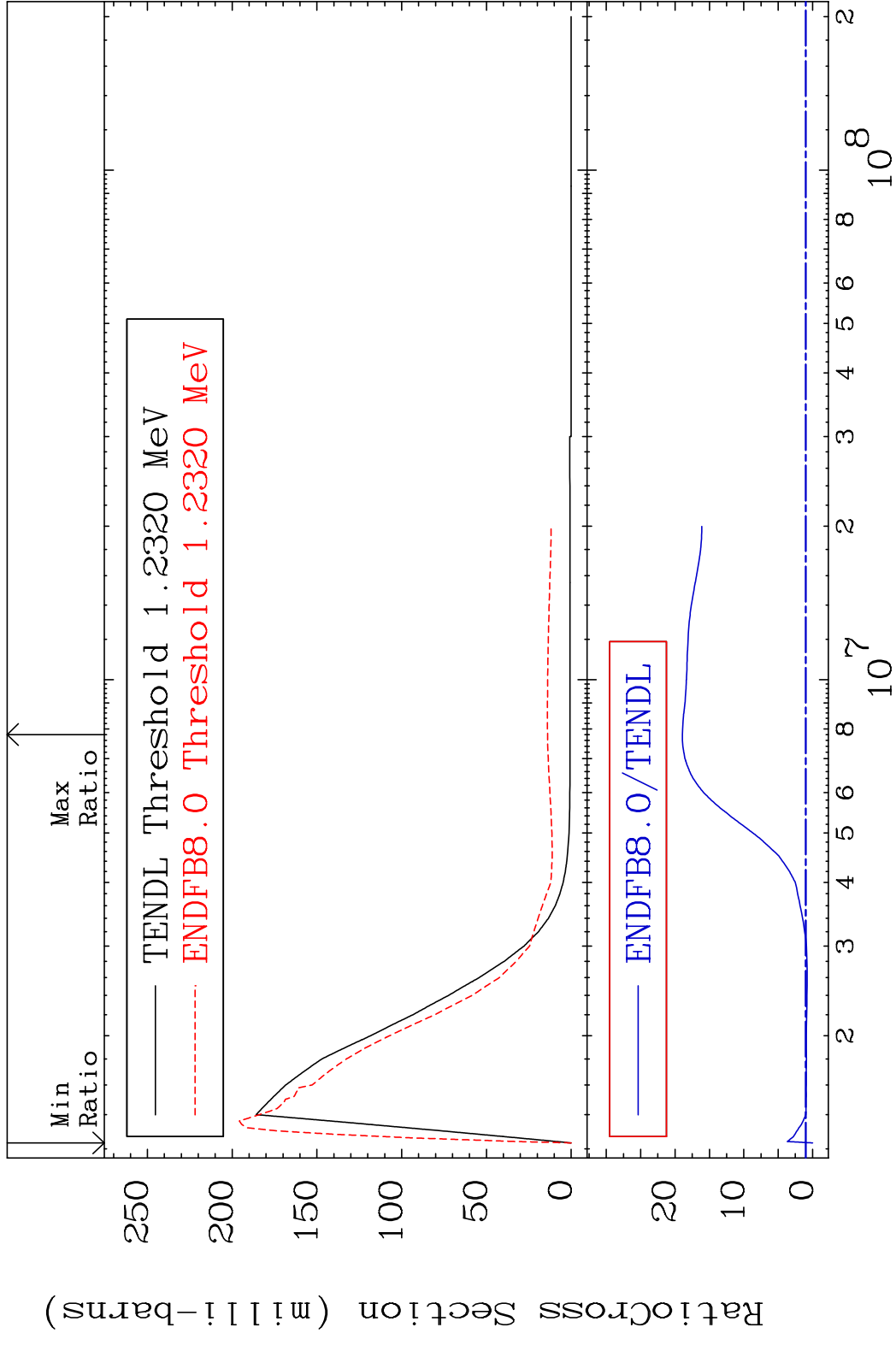
MAT 6449 MT= 61 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 5.252 %



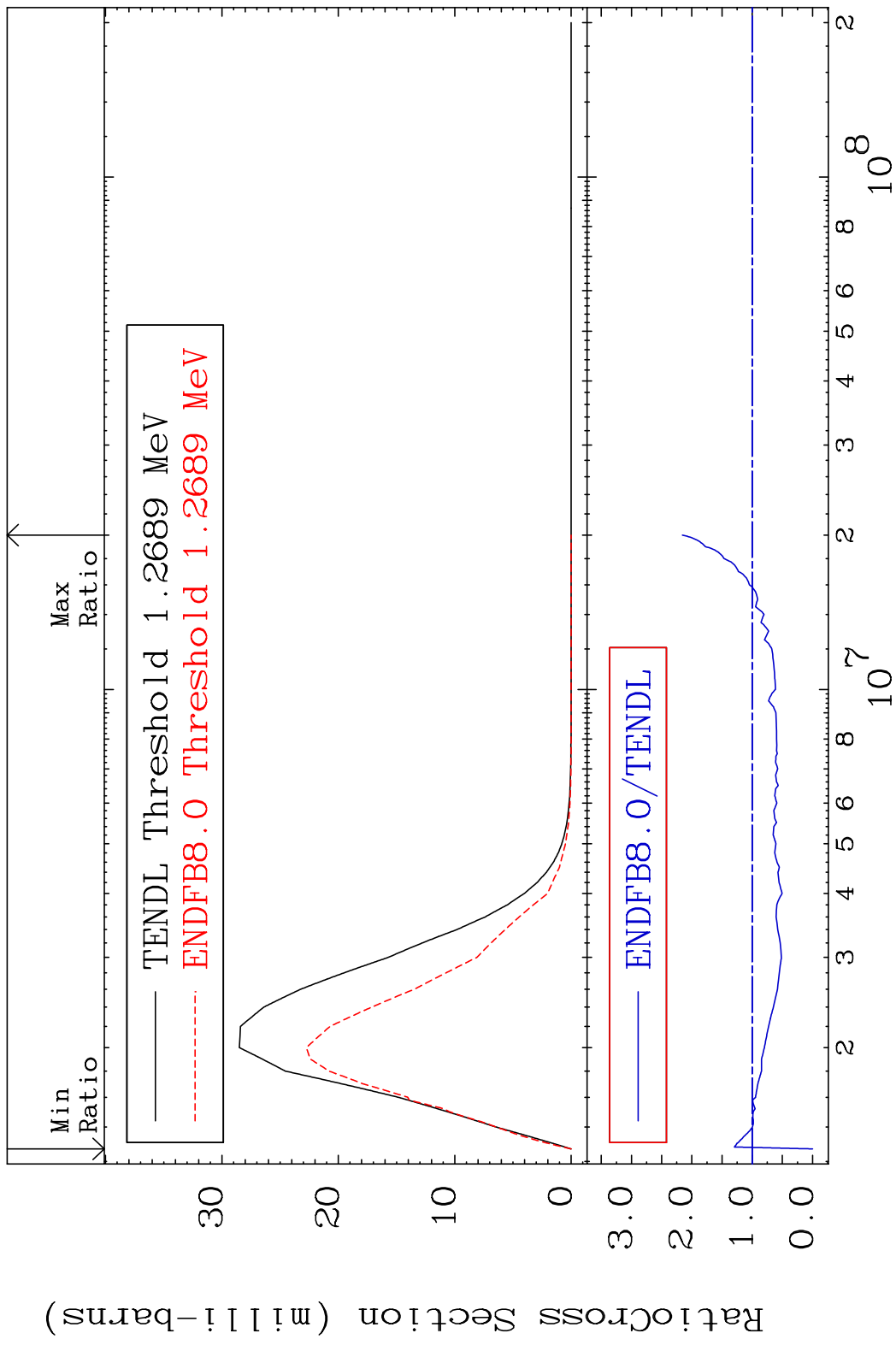
MAT 6449 MT= 62 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 115.7 %



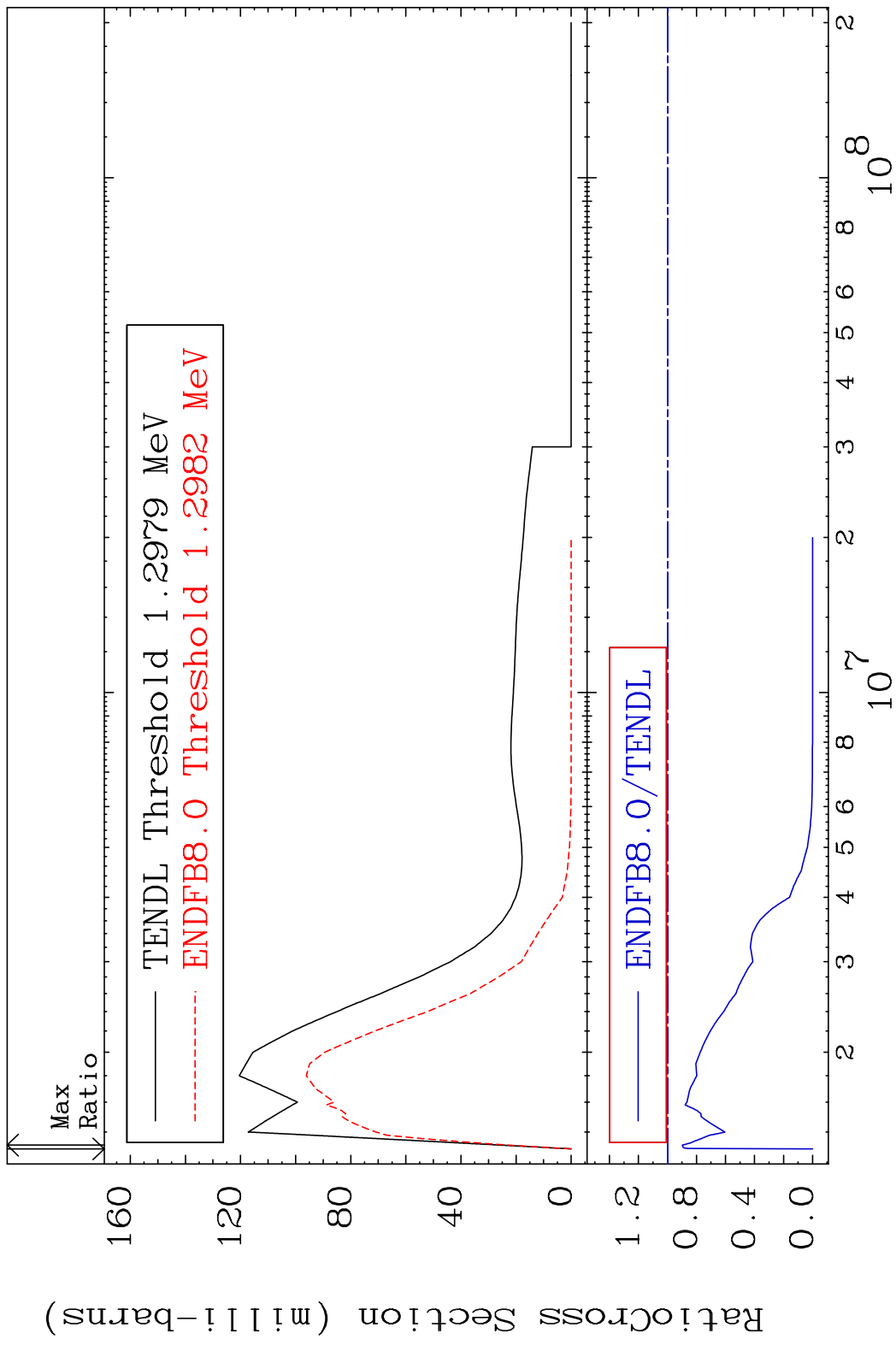
MAT 6449 MT= 63 (n,n') Level 64-Gd-160
 Cross Section -100.0 To 1794. %



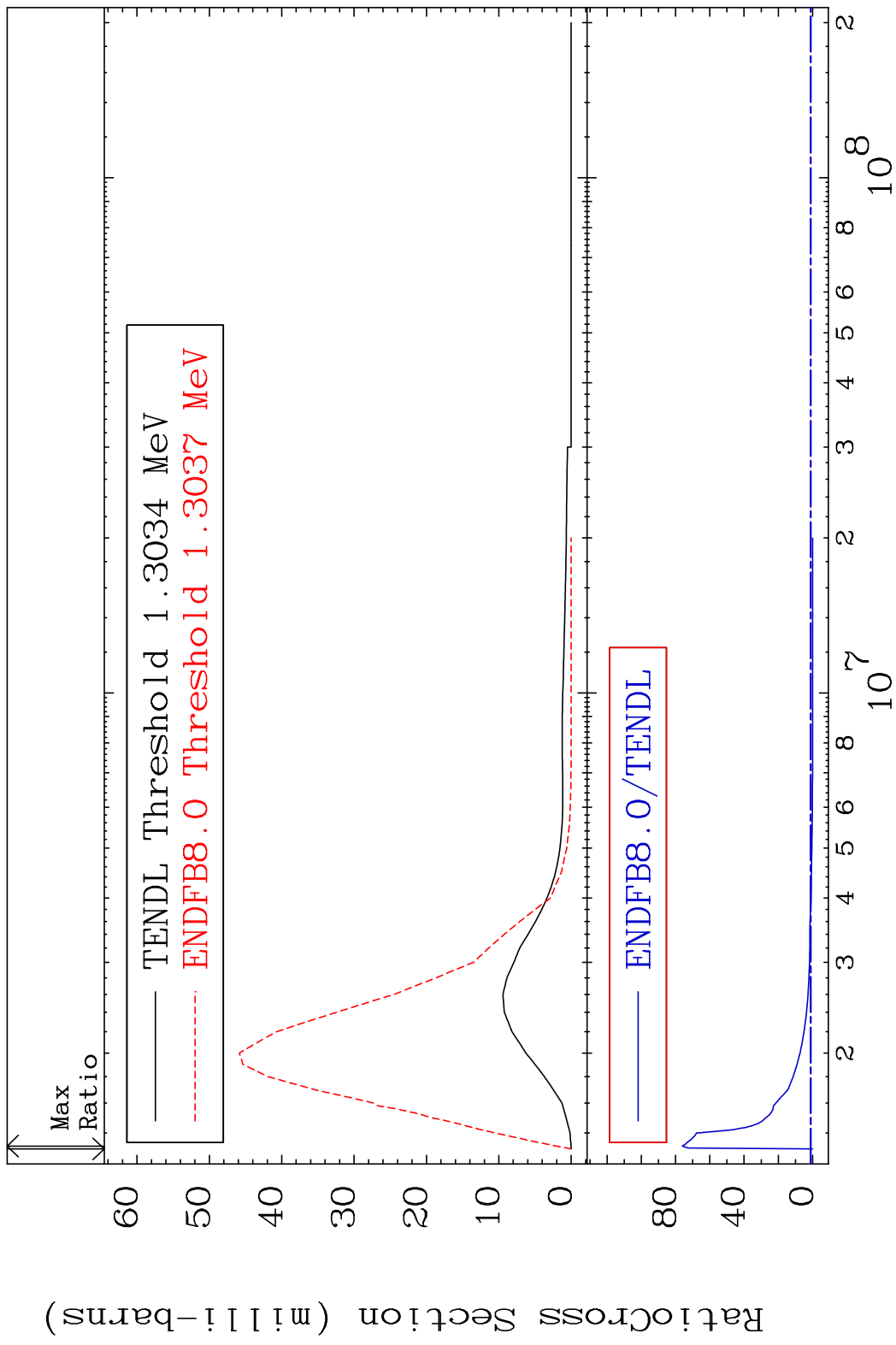
MAT 6449 MT= 64 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 115.7 %



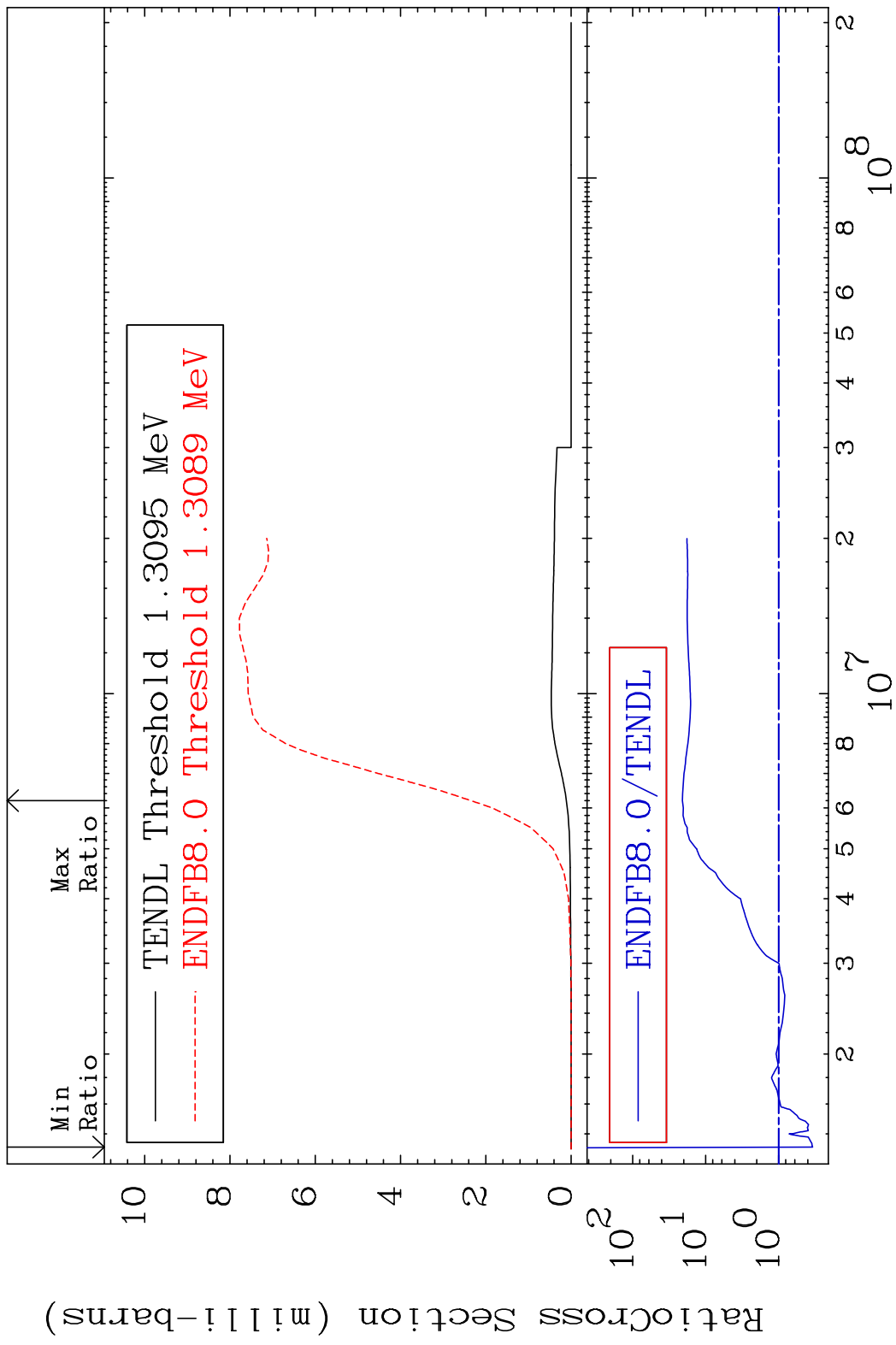
MAT 6449 MT= 65 (n, n') Level 64-Gd-160
 Cross Section -100.0 To -10.26%



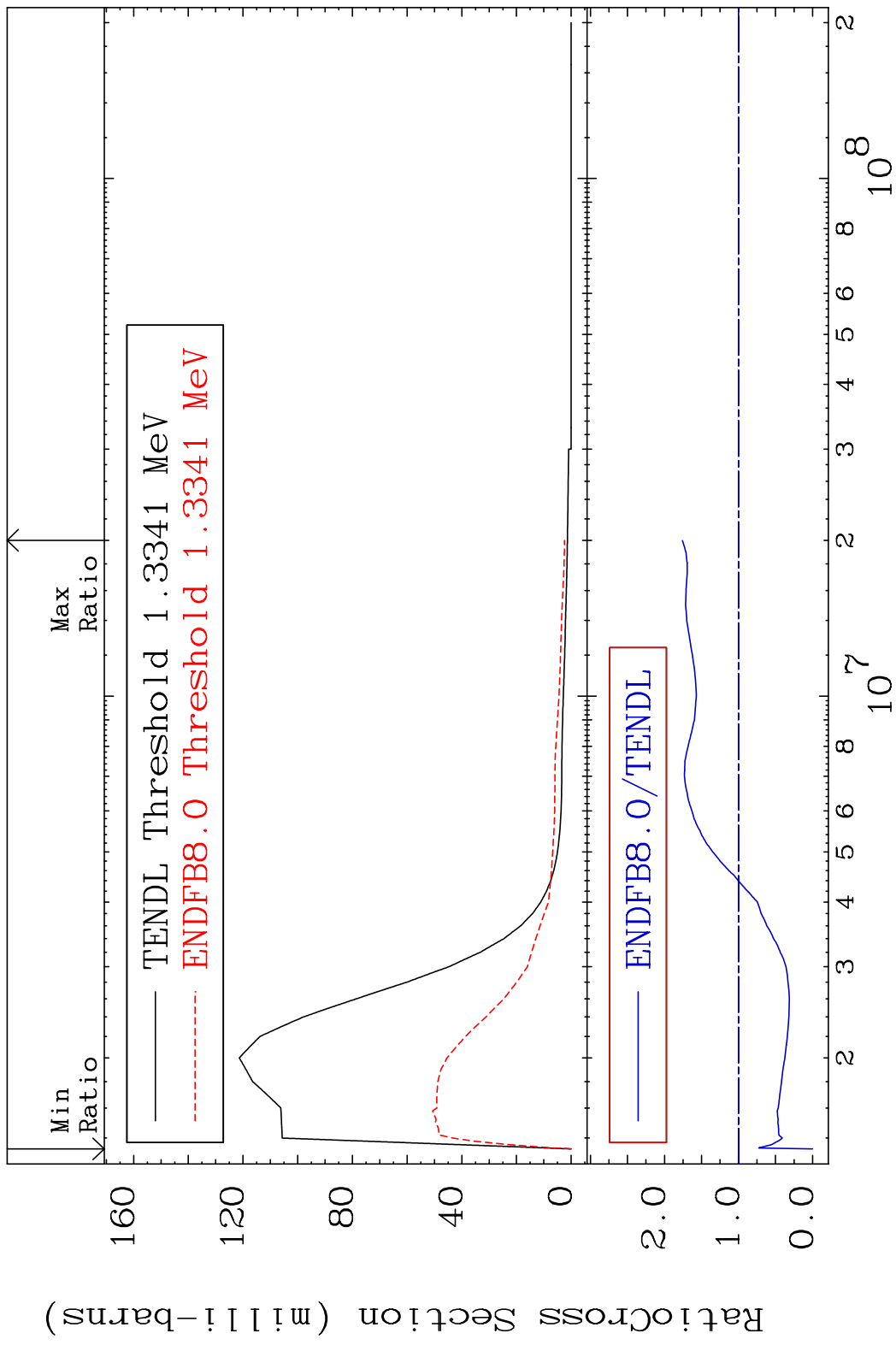
MAT 6449 MT= 66 (n,n') Level 64-Gd-160
 Cross Section -100.0 To 7504. %



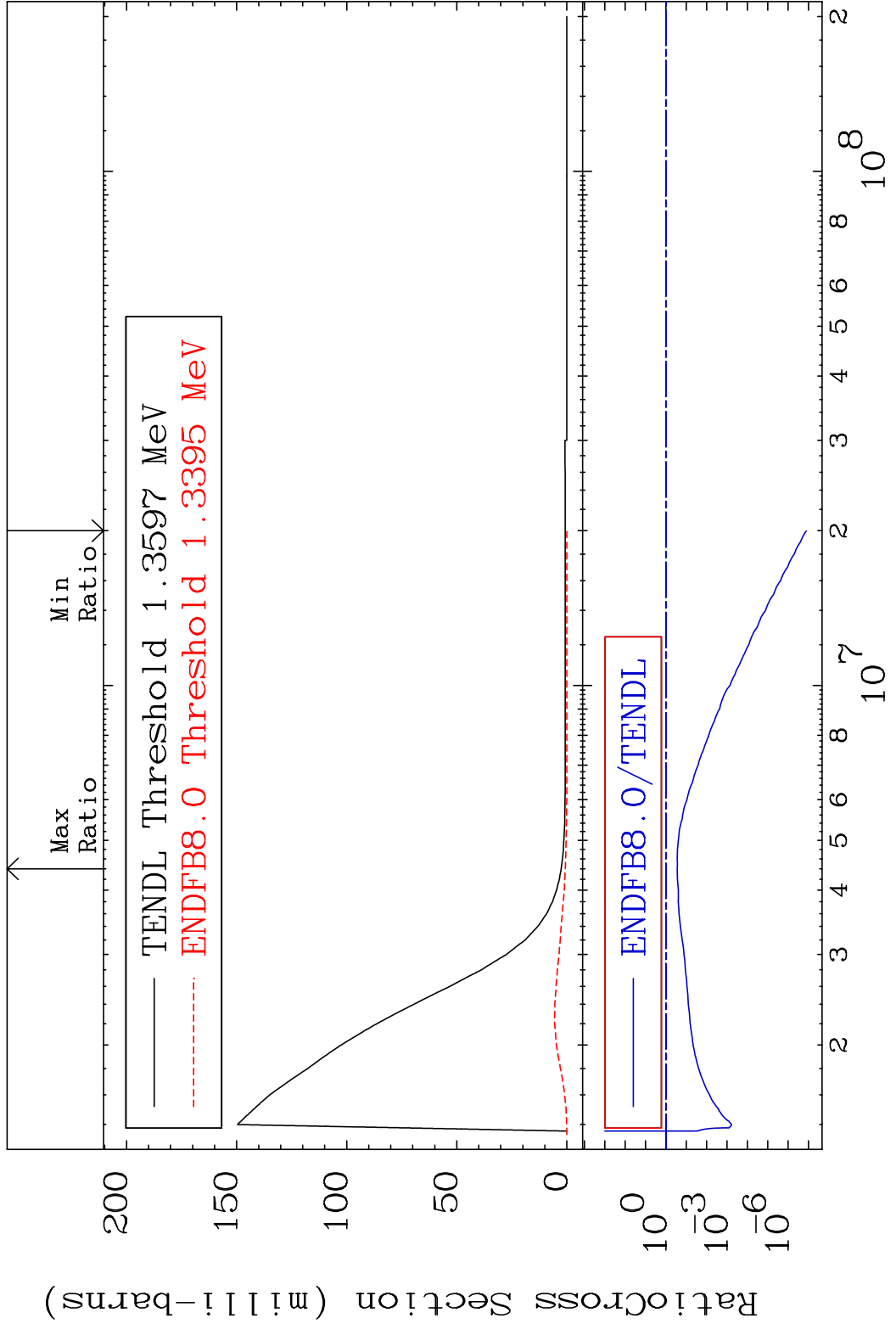
MAT 6449 MT= 67 (n, n') Level 64-Gd-160
 Cross Section -65.64 To 1988. %



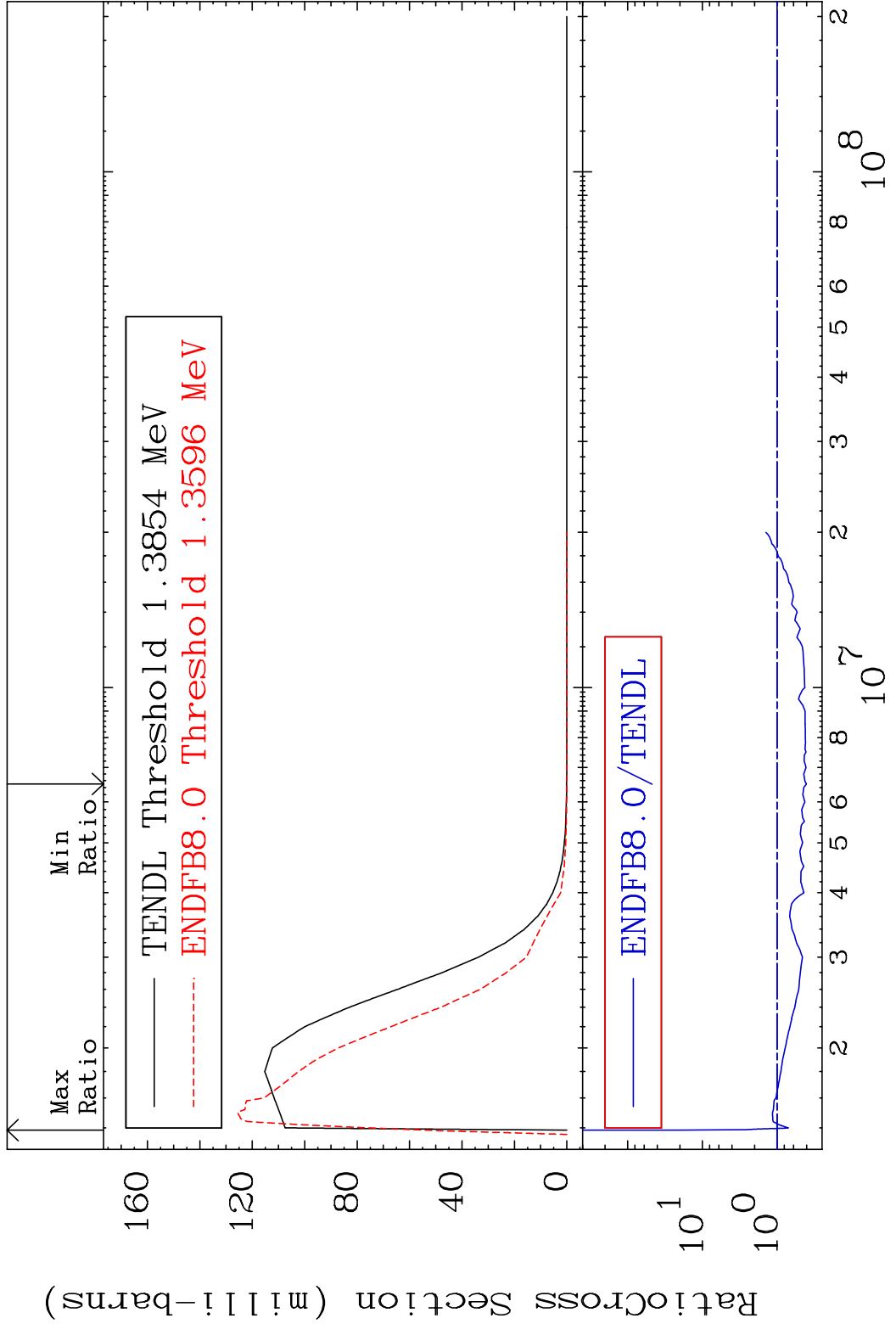
MAT 6449 MT= 68 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 75.88 %



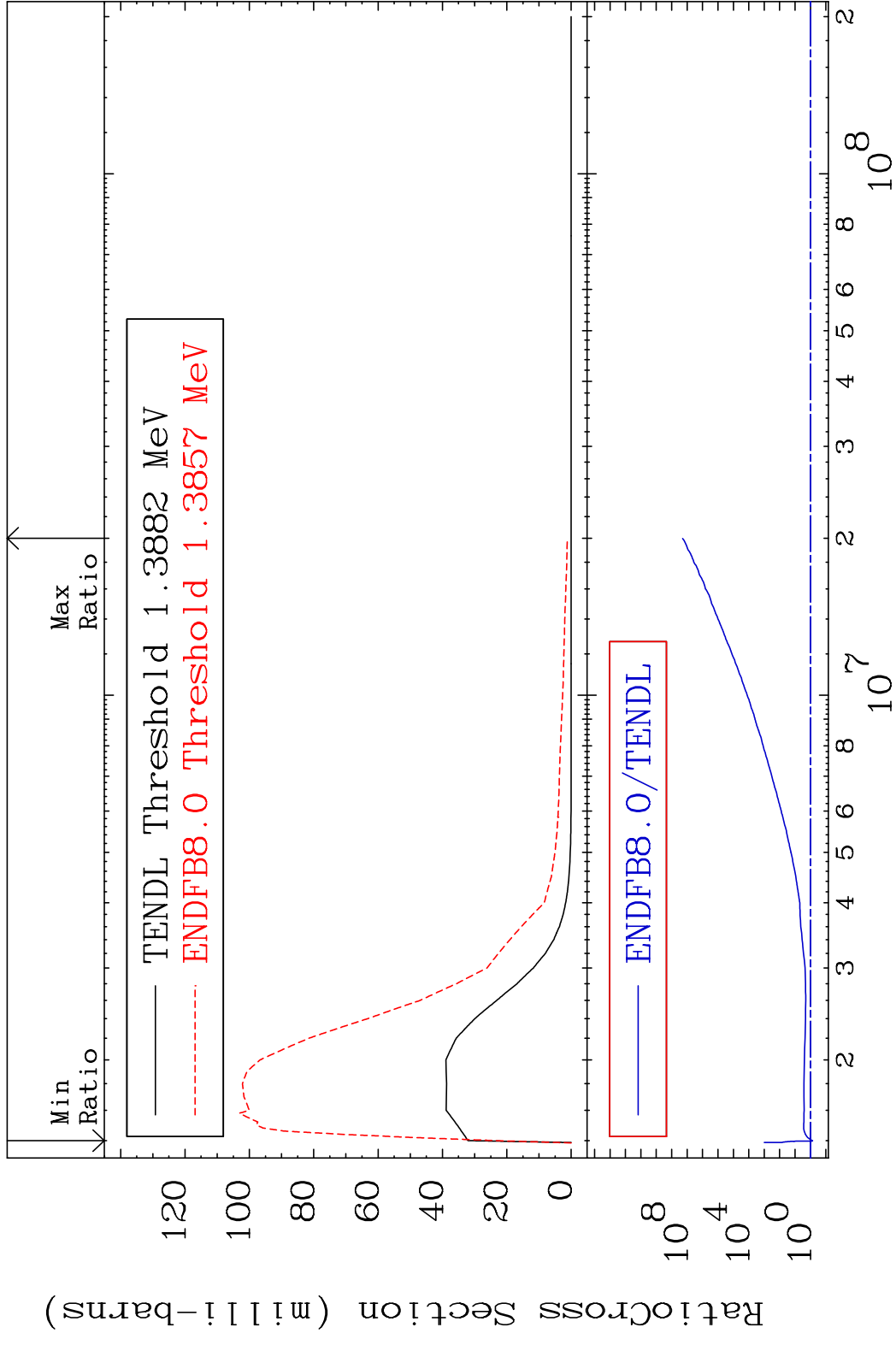
MAT 6449 MT= 69 (n, n') Level 64-Gd-160
 Cross Section -100.0 To -71.94%



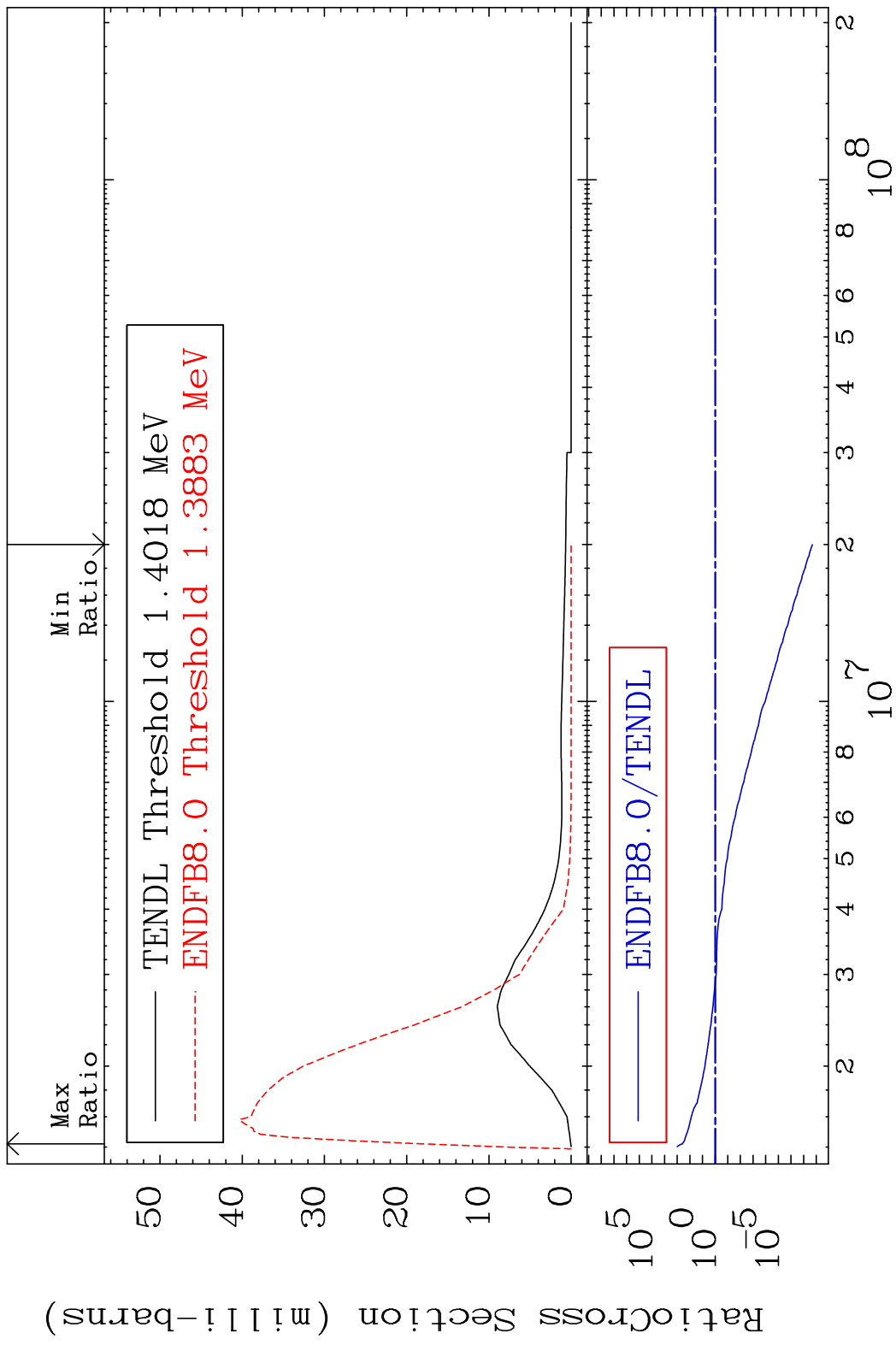
MAT 6449 MT= 70 (n,n') Level 64-Gd-160
 Cross Section -59.57 To 2070. %



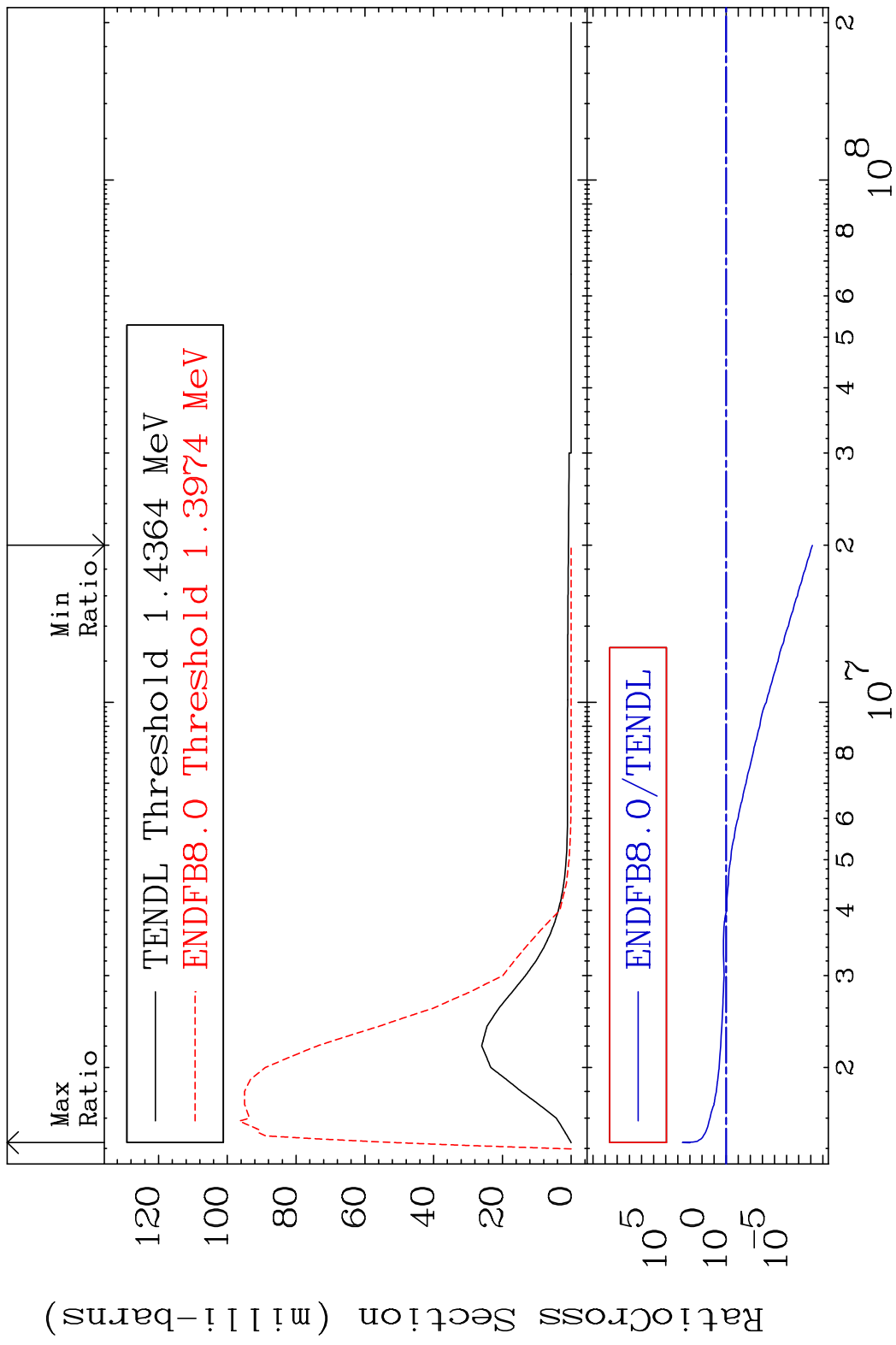
MAT 6449 MT= 71 (n, n') Level 64-Gd-160
 Cross Section -26.49 To 9999. %



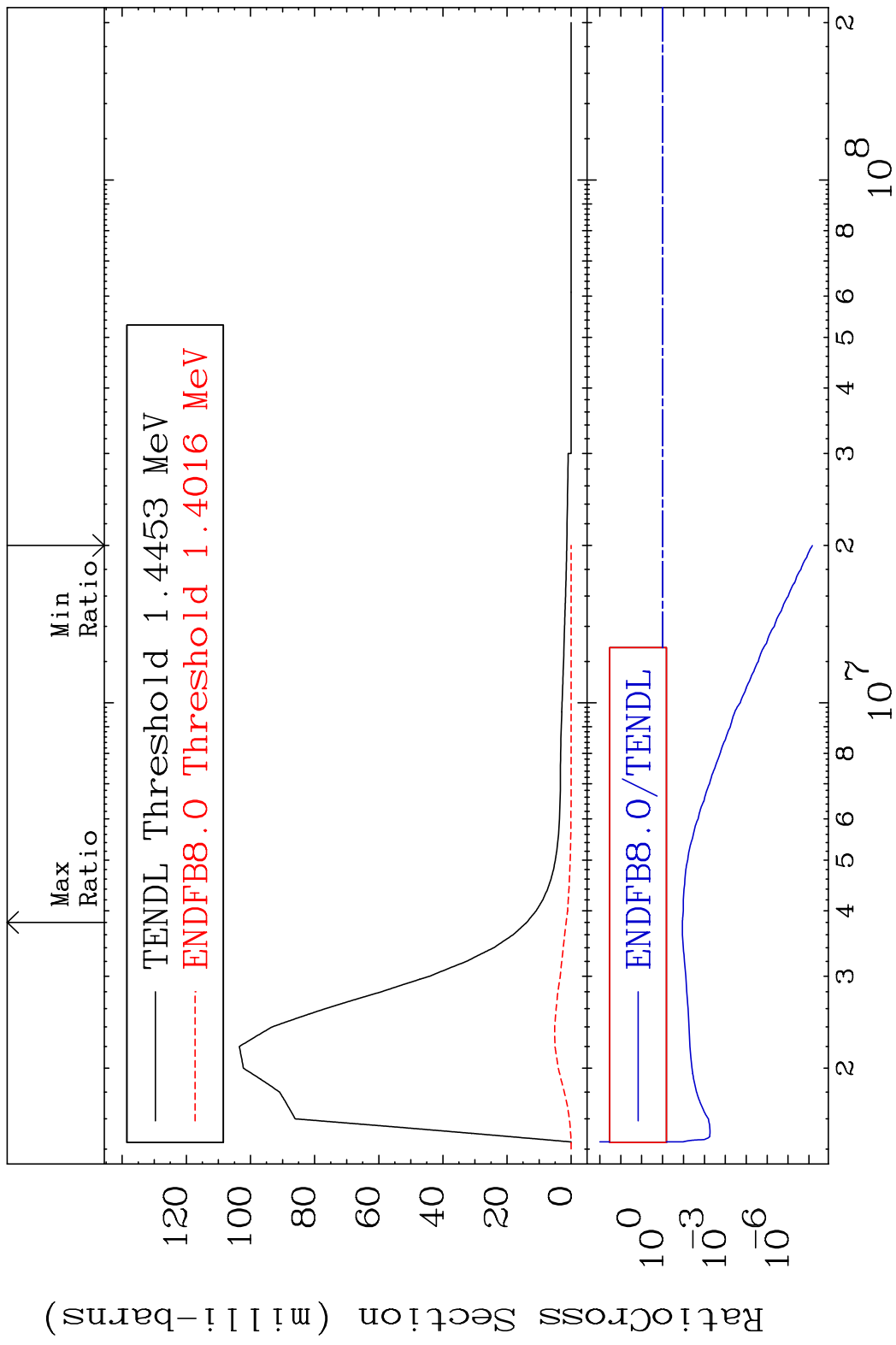
MAT 6449 MT= 72 (n, n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %



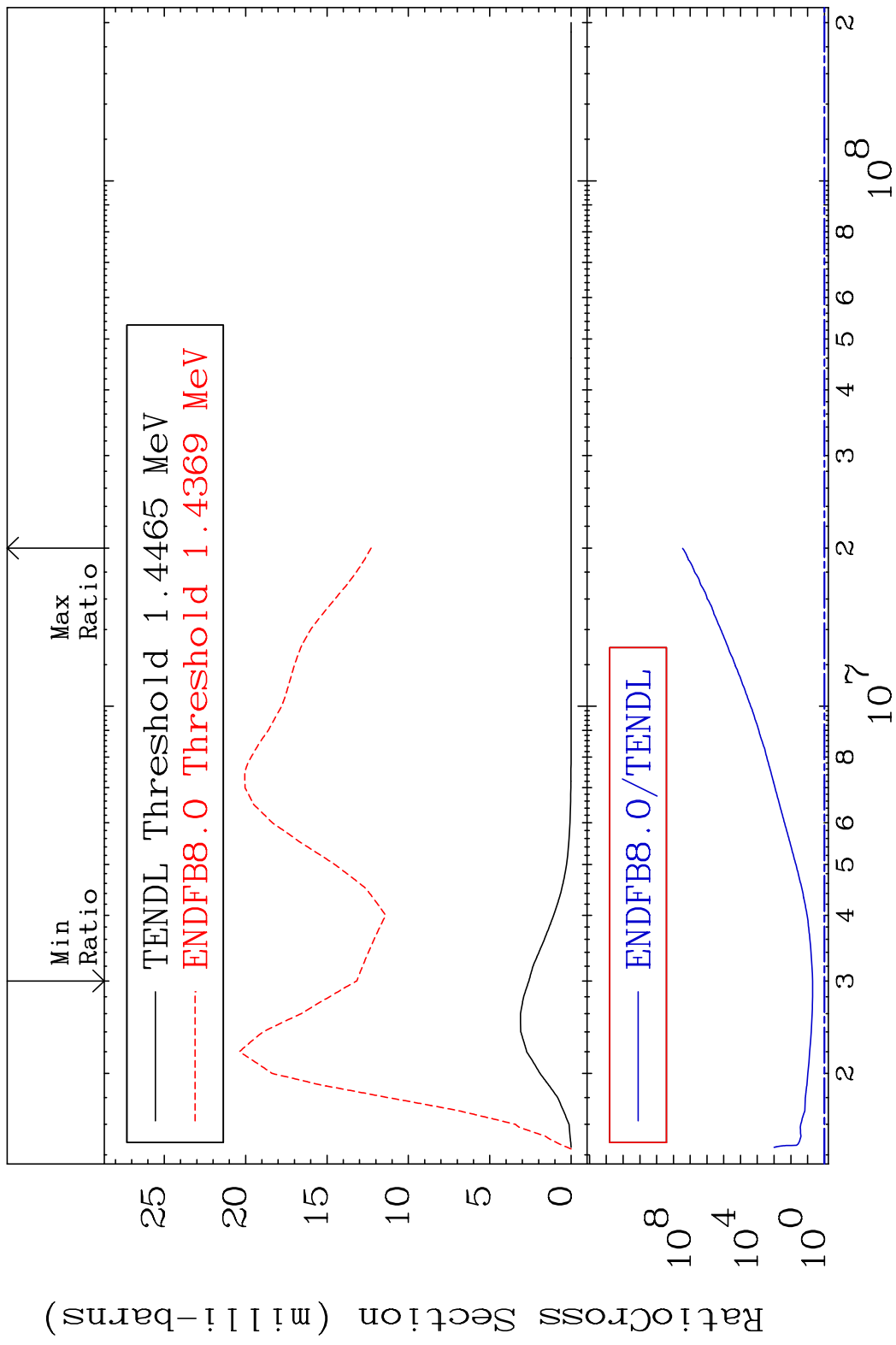
MAT 6449 MT= 73 (n,n') Level 64-Gd-160
 Cross Section -100.0 To 9999. %



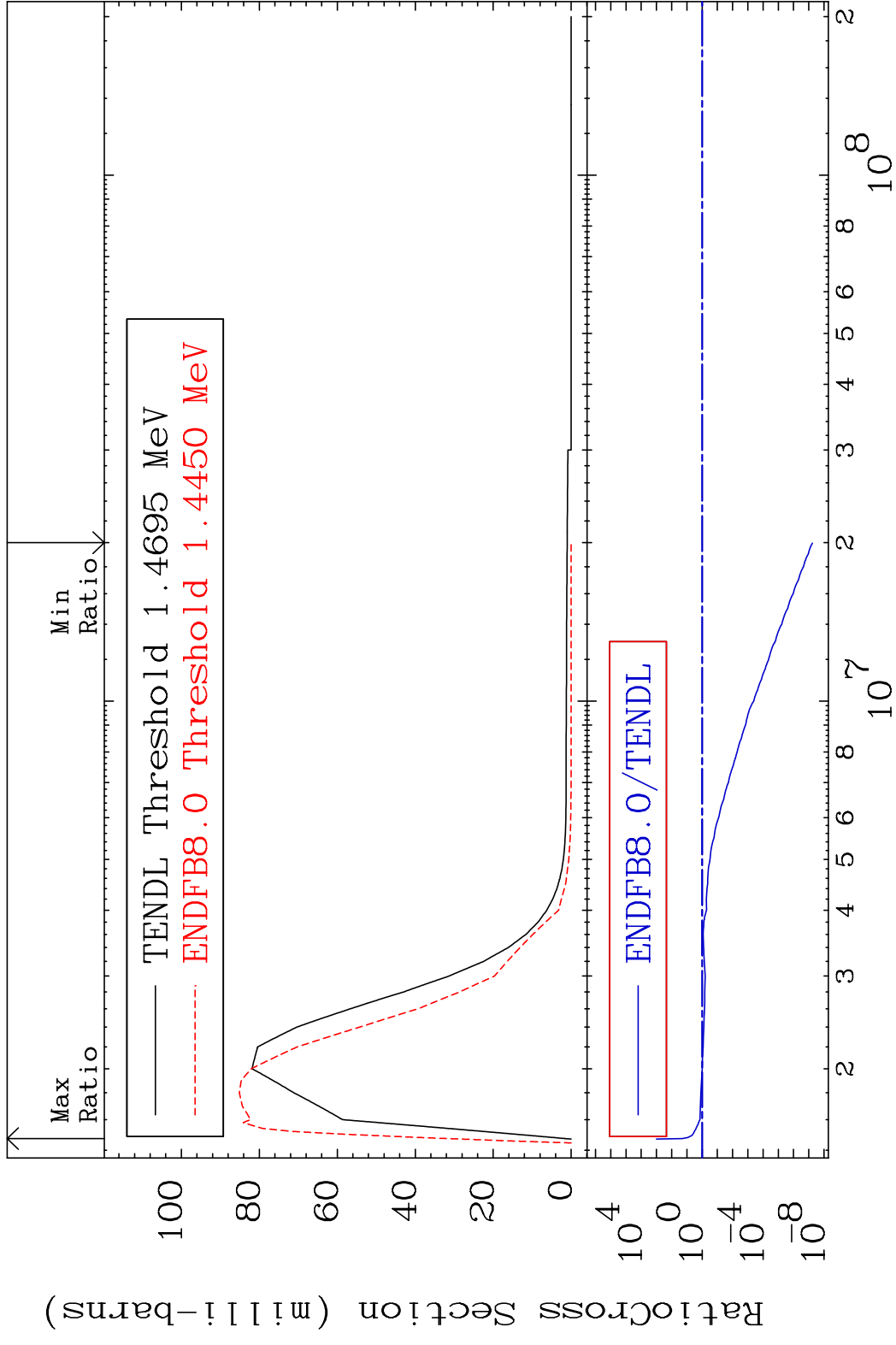
MAT 6449 MT= 74 (n,n') Level 64-Gd-160
 Cross Section -100.0 To -88.64%



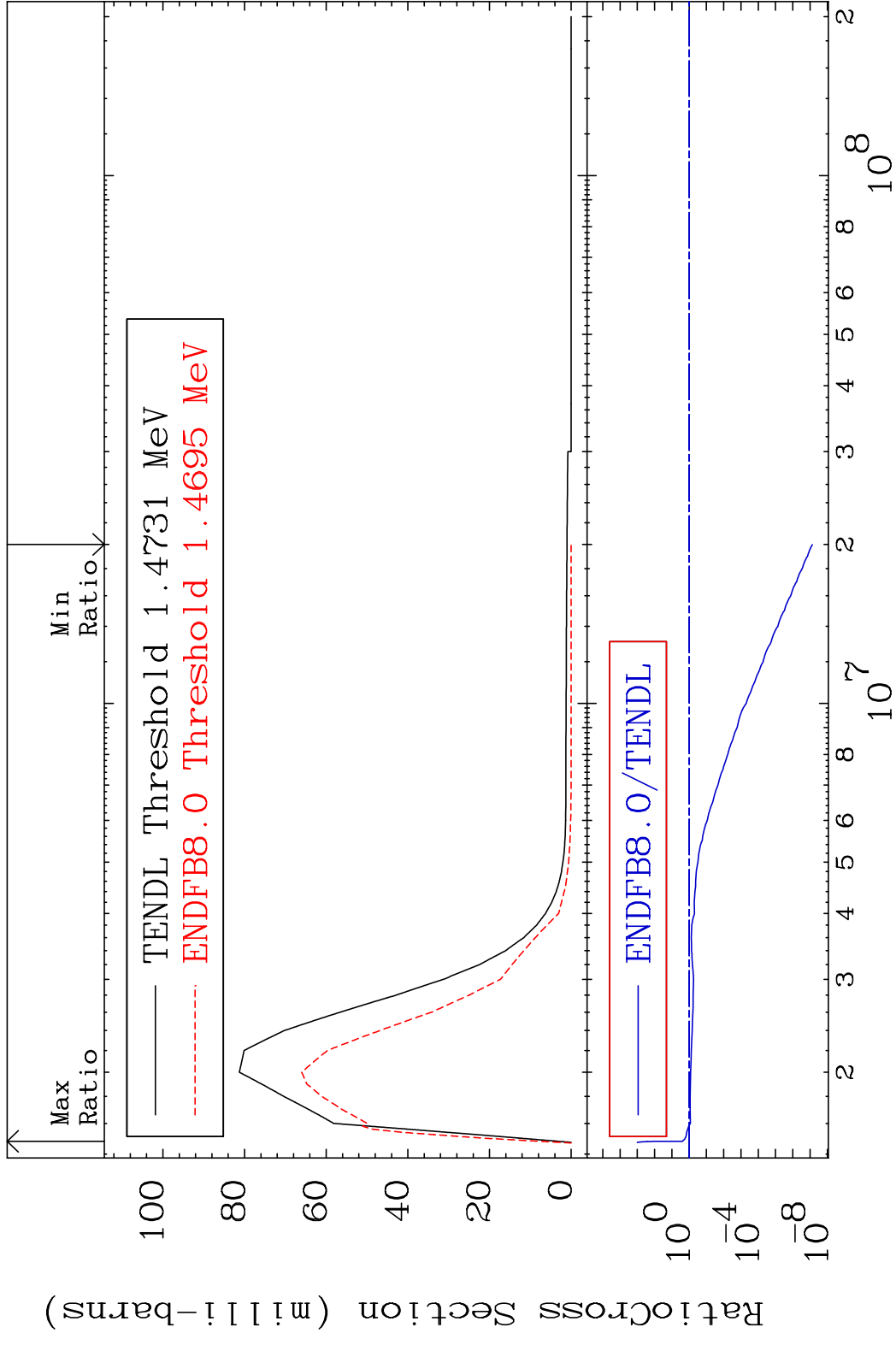
MAT 6449 MT= 75 (n, n') Level 64-Gd-160
 Cross Section 406.8 To 9999. %



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 %

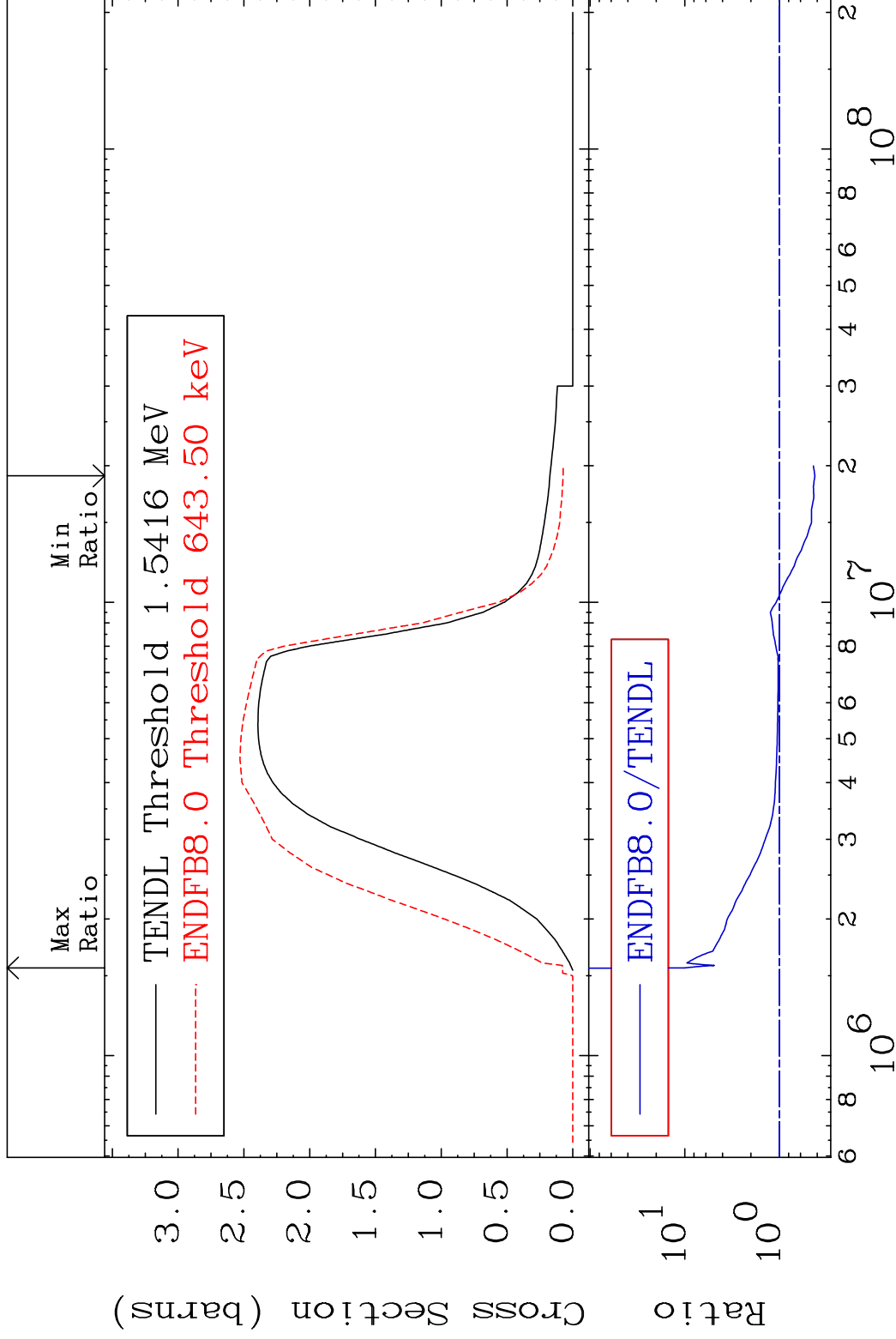


MAT 6449

(n, n') Continuum

64-Gd-160

Cross Section -57.73 To 911.5 %



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Incident Energy (eV)

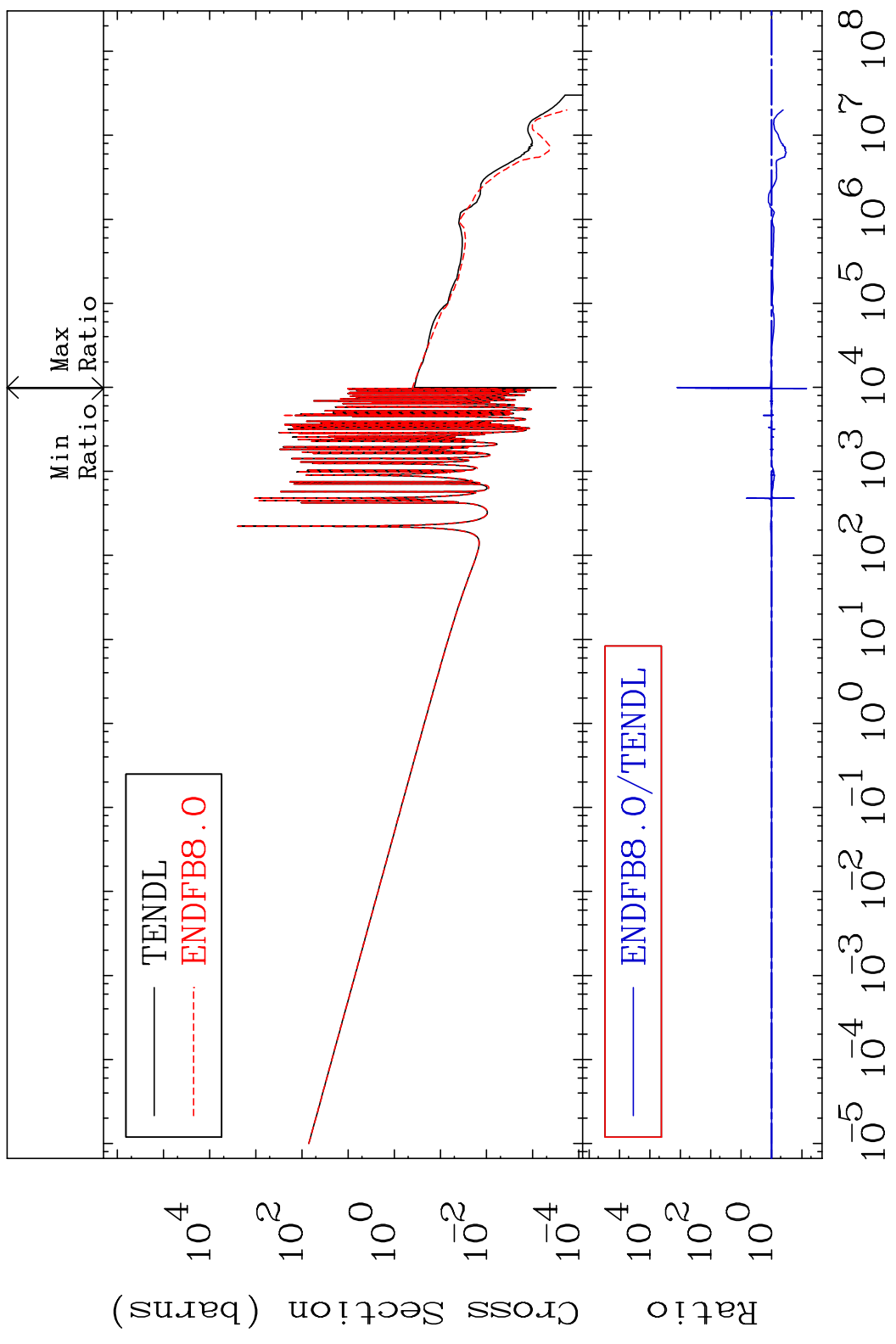
64-Gd-160

MAT 6449

(n, γ)

64-Gd-160

Cross Section -92.88 To 9999. %



38

Incident Energy (eV)

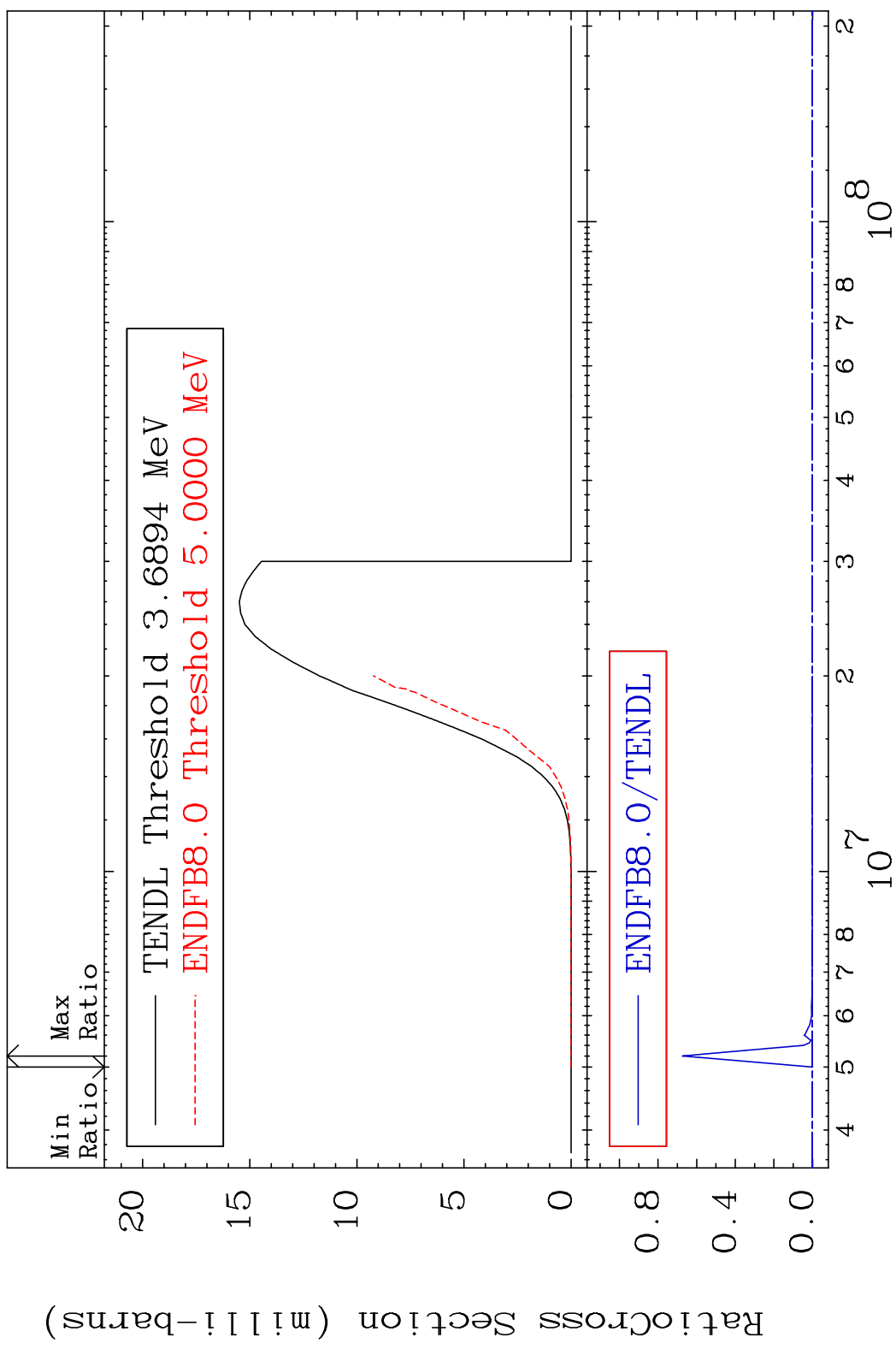
64-Gd-160

MAT 6449

(n,p)

64-Gd-160

Cross Section -100.0 To 9999. %

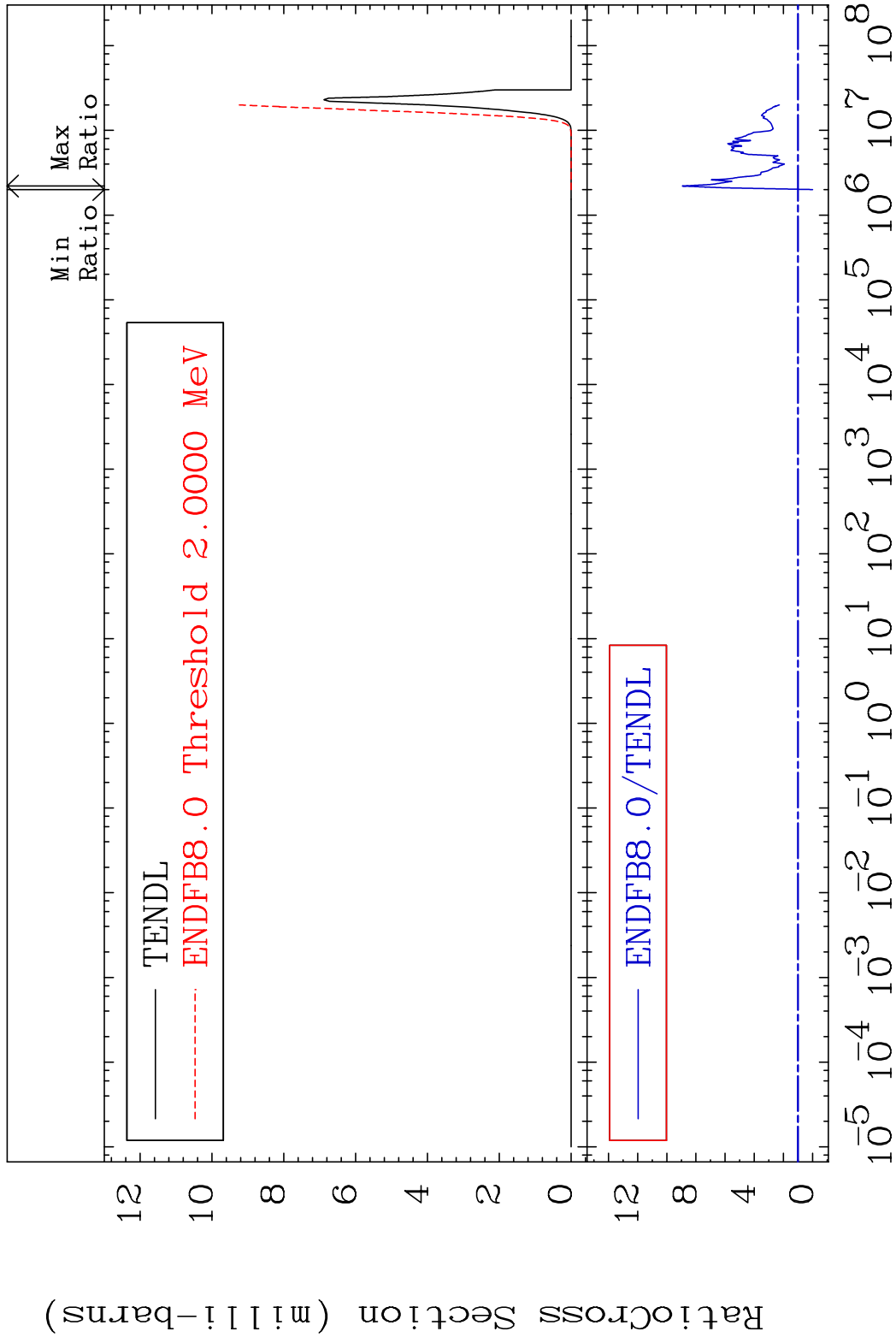


MAT 6449

(n, α)

64-Gd-160

Cross Section -100.0 To 793.3 %



40

Incident Energy (eV)

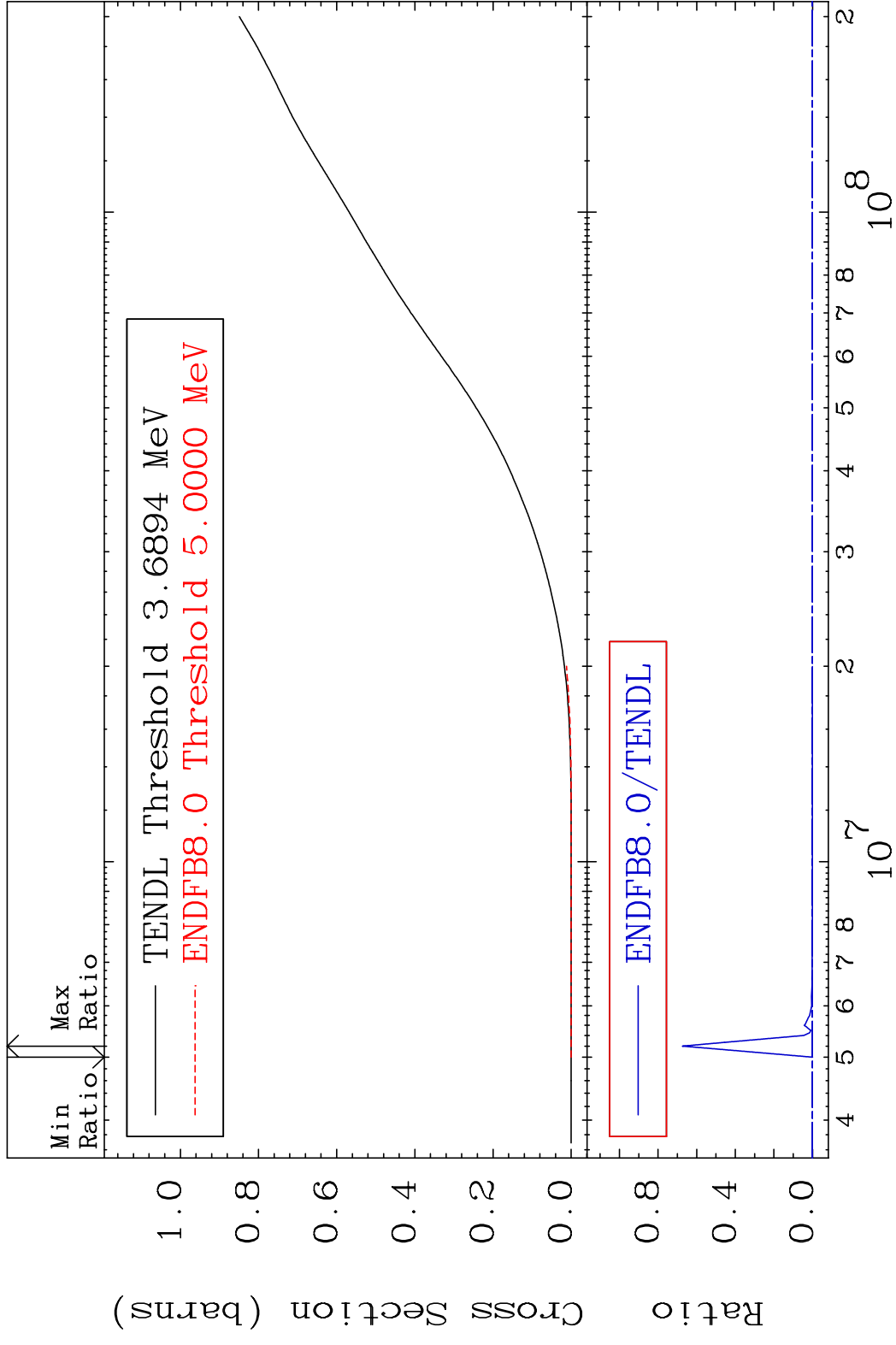
64-Gd-160

MAT 6449

Hydrogen Production

64-Gd-160

Cross Section -100.0 To 9999. %

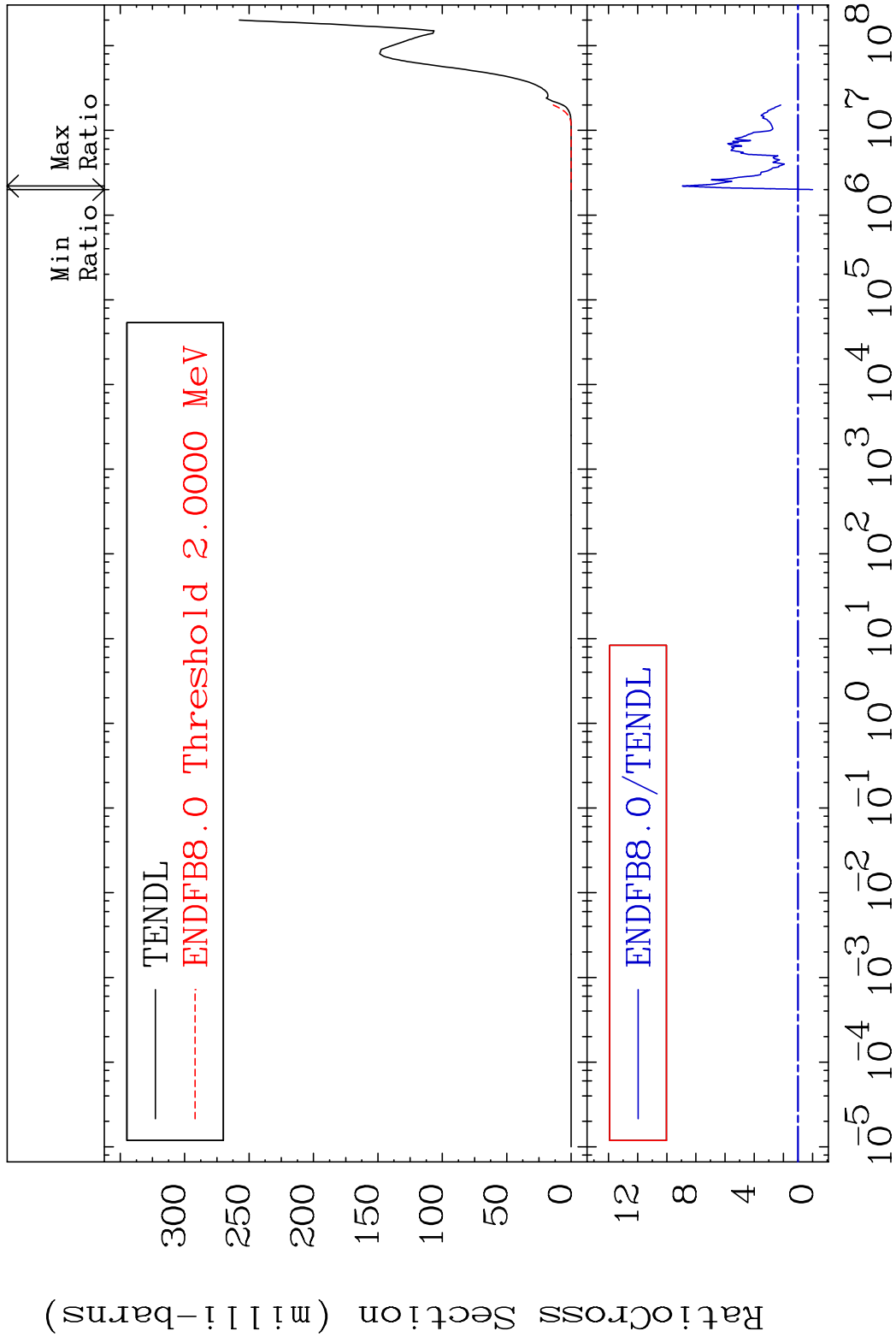


MAT 6449

He-4 Production

64-Gd-160

Cross Section -100.0 To 793.3 %

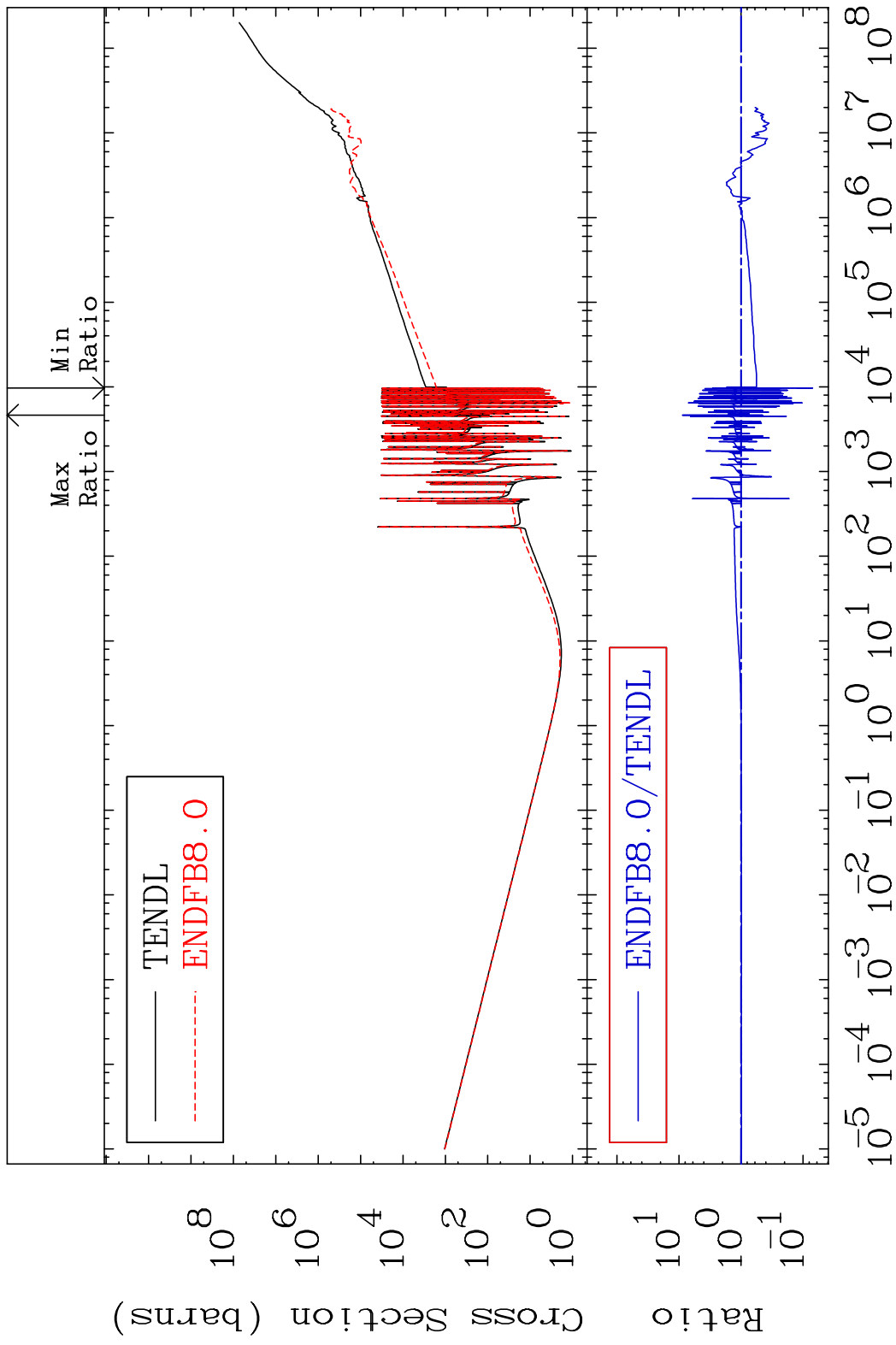


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Incident Energy (eV)

64-Gd-160

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

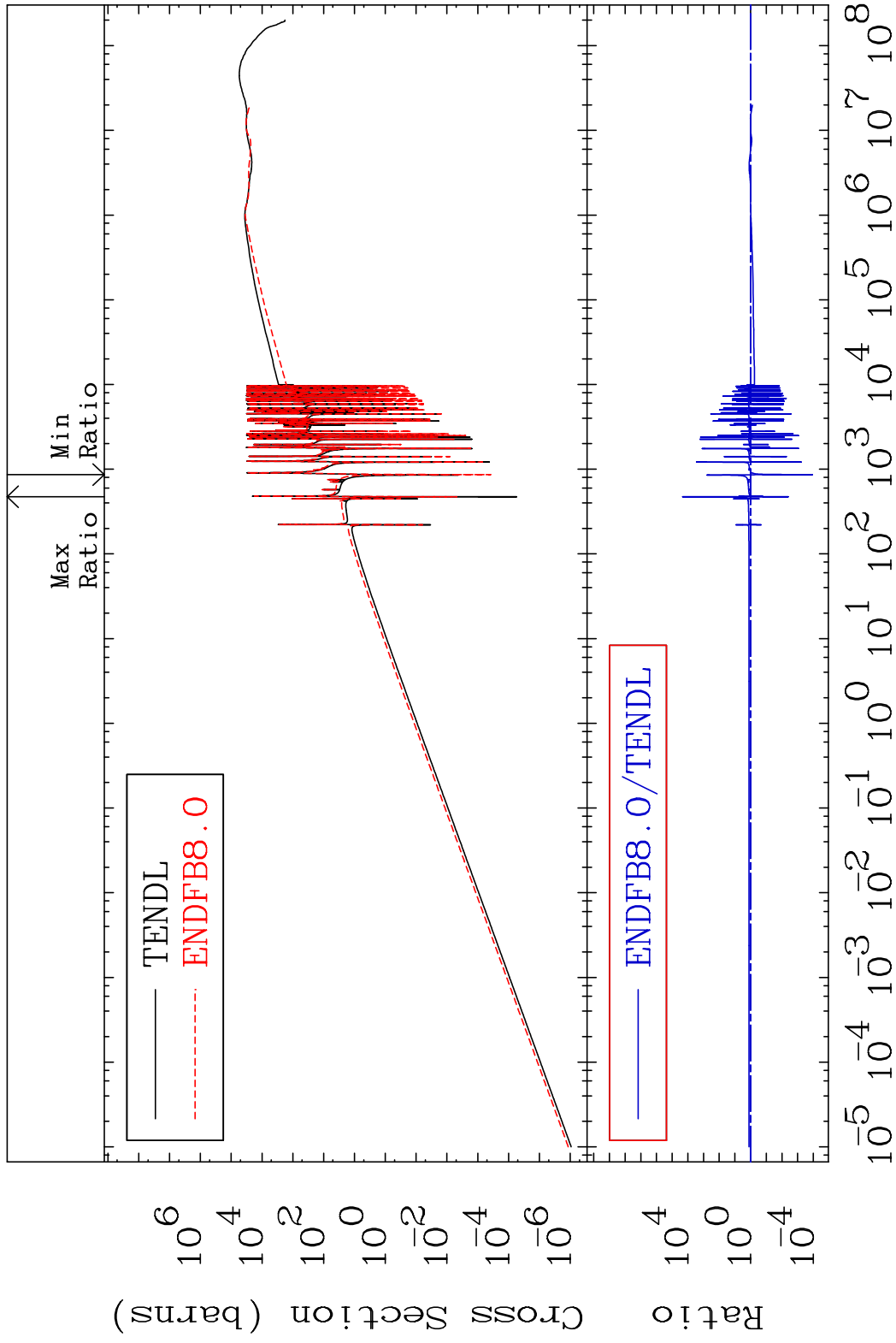


MAT 6449

Kerma elastic

64-Gd-160

Cross Section -99.99 To 9999. %

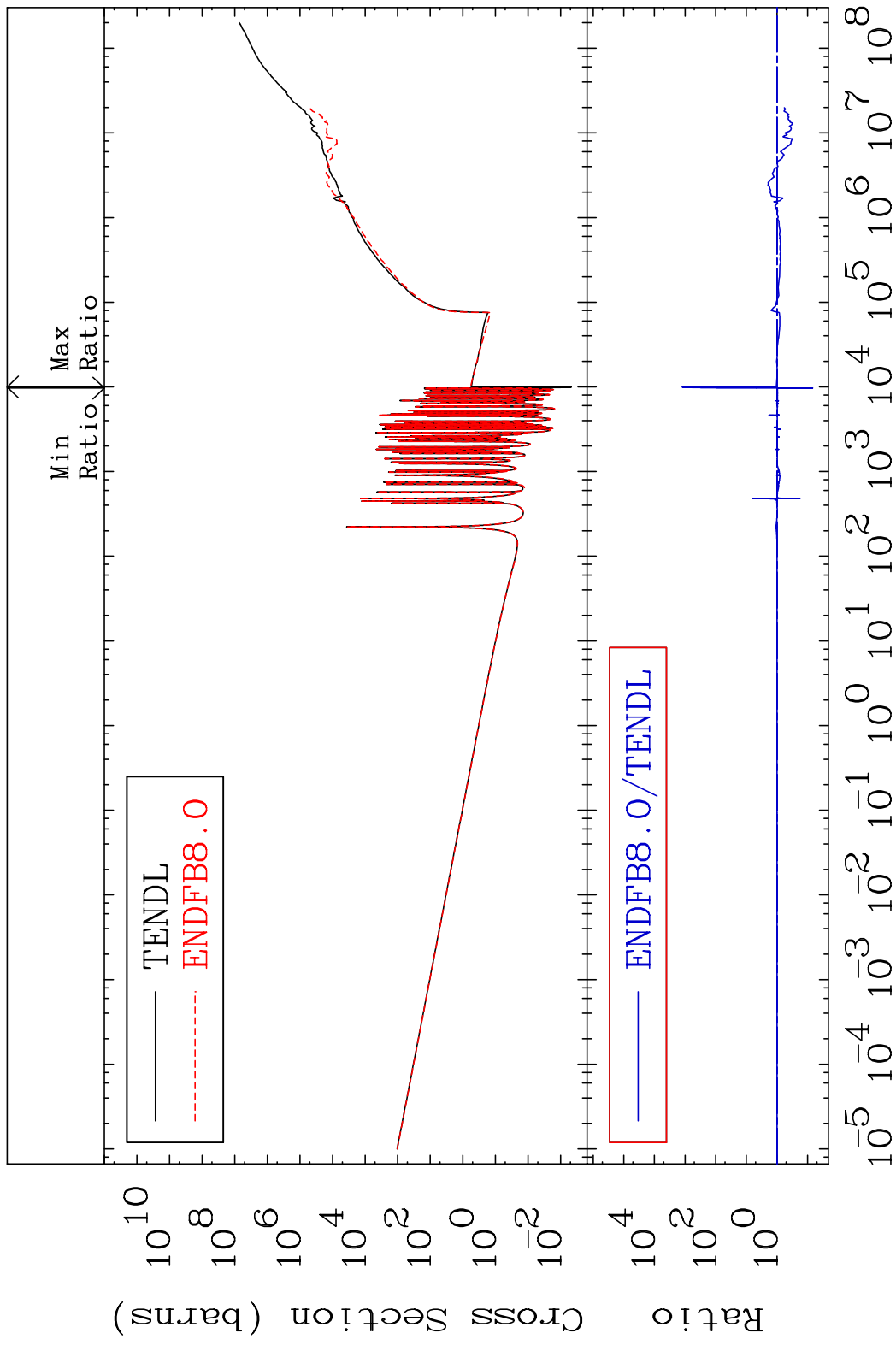


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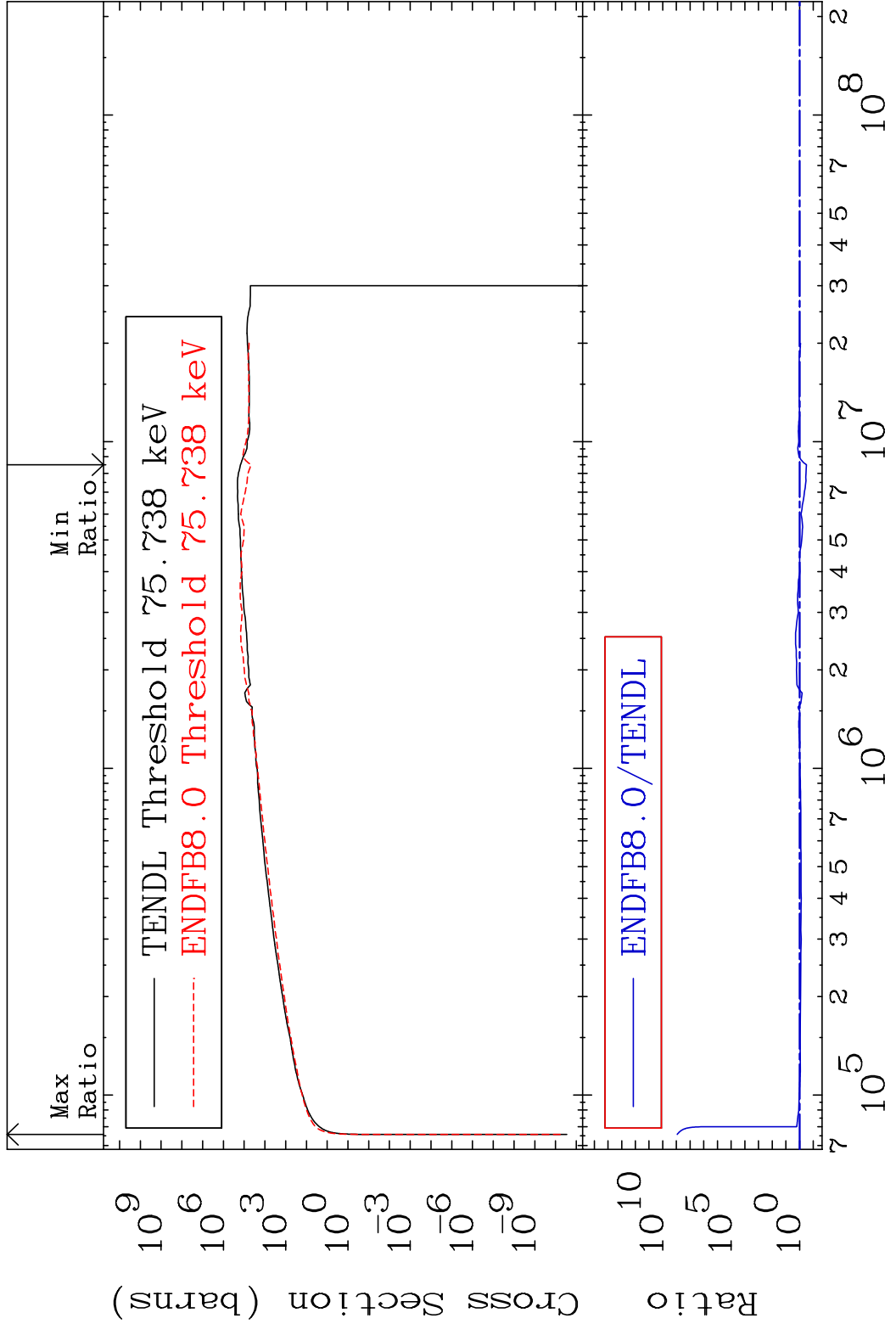
Incident Energy (eV)

64-Gd-160

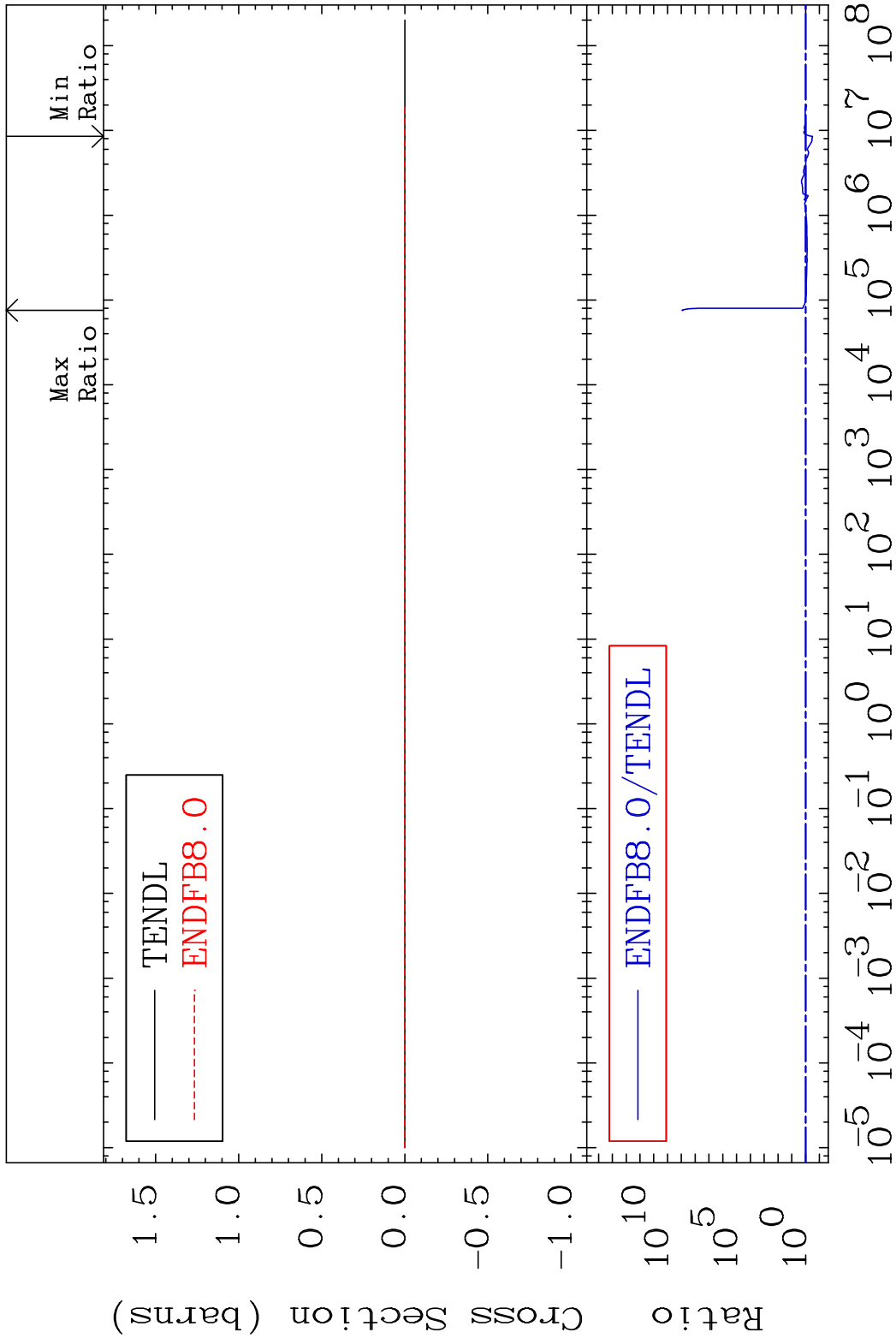
MAT 6449 Kerma non-elastic (all but mt2) 64-Gd-160
 Cross Section -93.10 To 9999. %



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

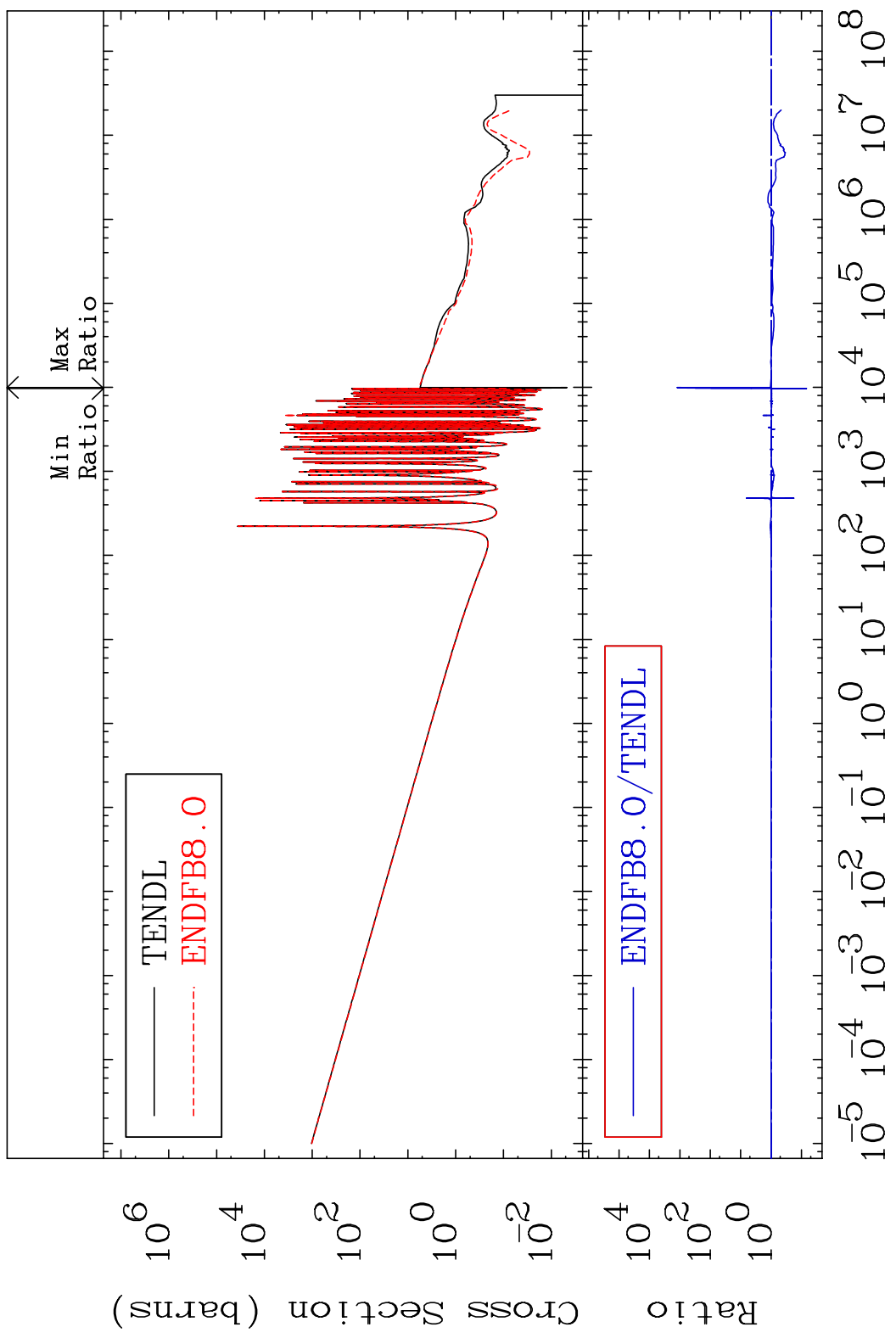


MAT 6449 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-160
 Cross Section -68.43 To 9999. %

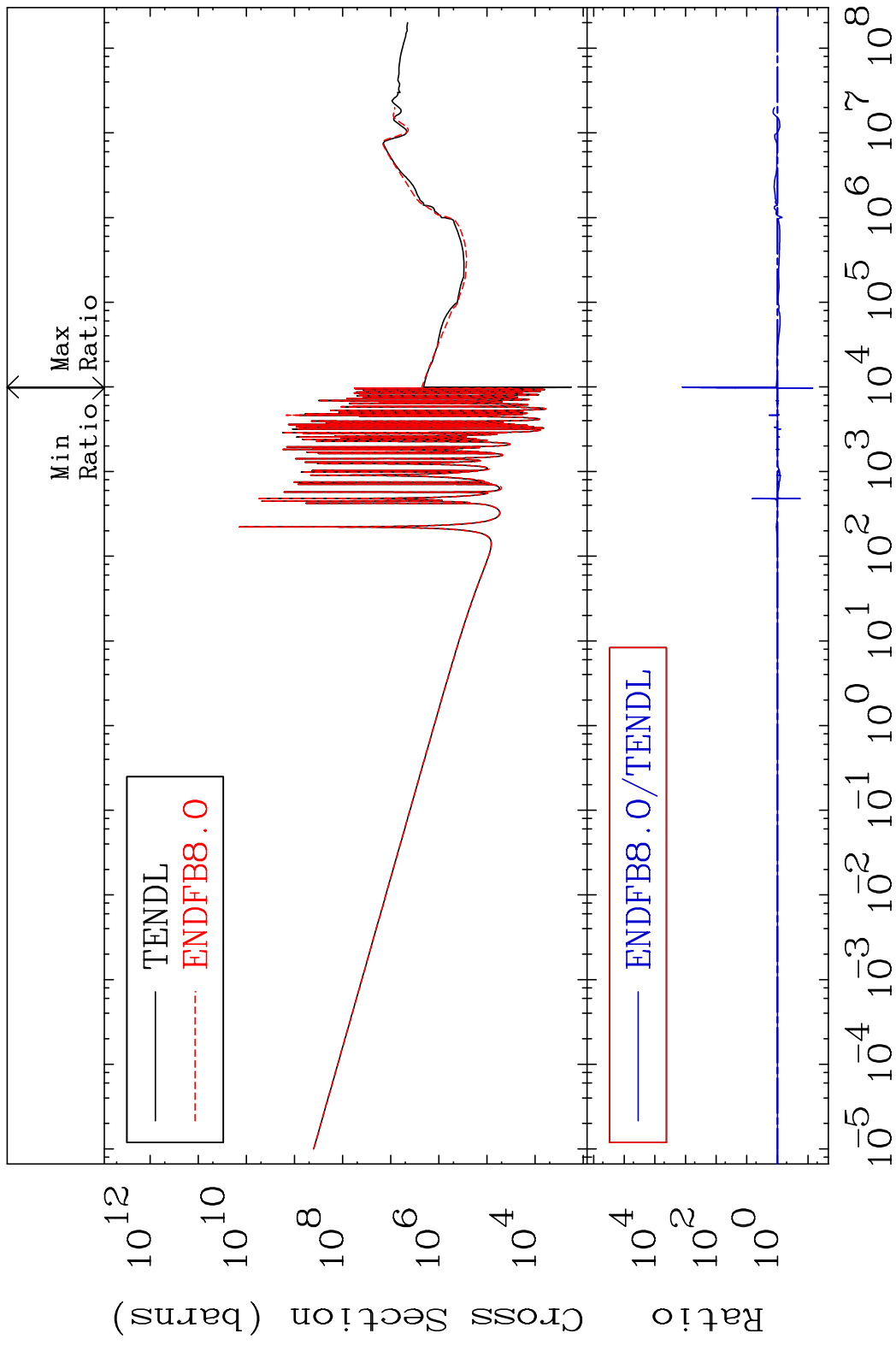


MAT 6449

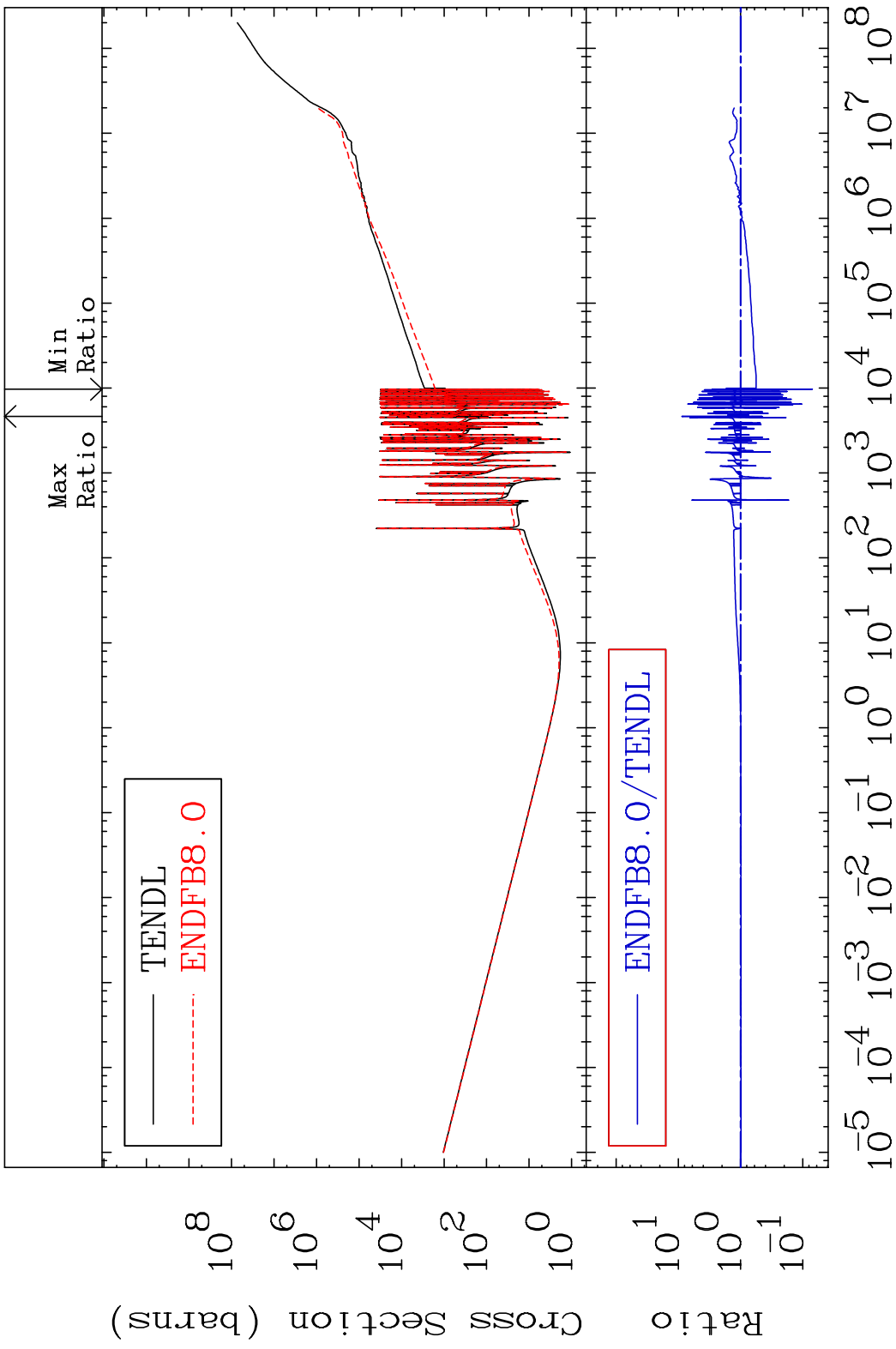
Kerma capture (mt102) 64-Gd-160
Cross Section -93.10 To 9999. %



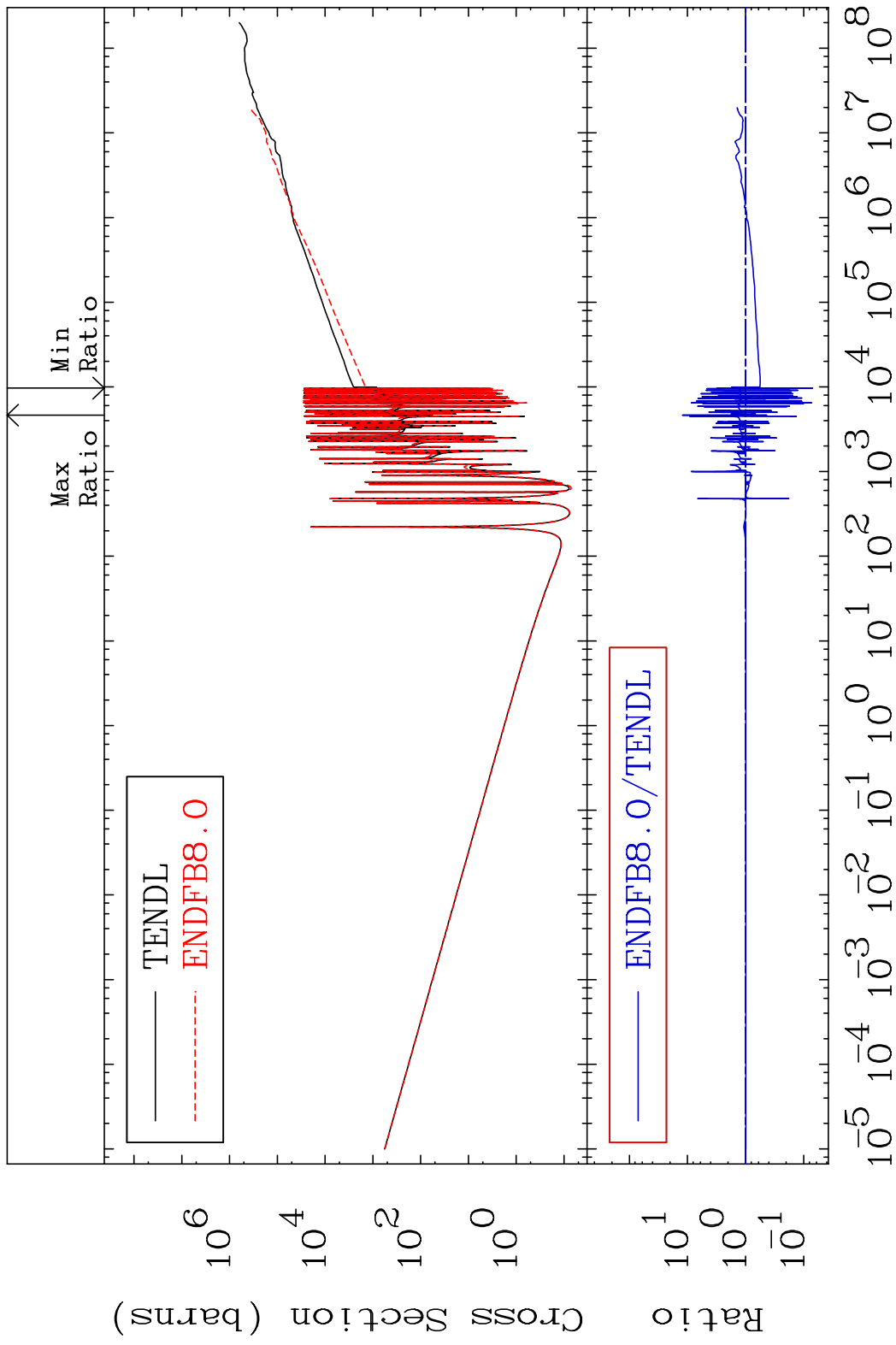
MAT 6449 Total photon (eV-barns) 64-Gd-160
Cross Section -92.88 To 9999. %



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. %

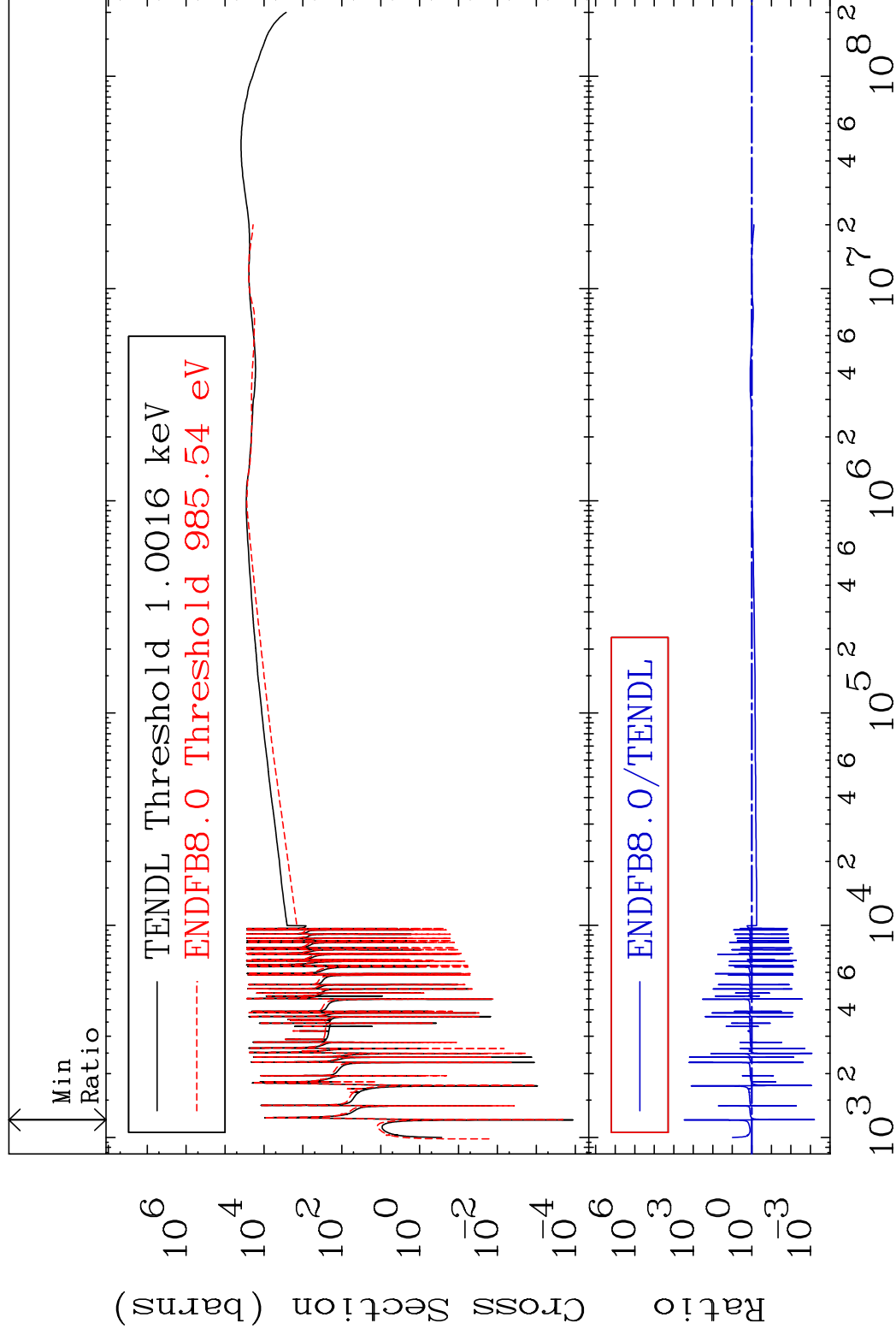


MAT 6449

Dpa elastic (mt2)

64-Gd-160

Cross Section -99.94 To 9999. %



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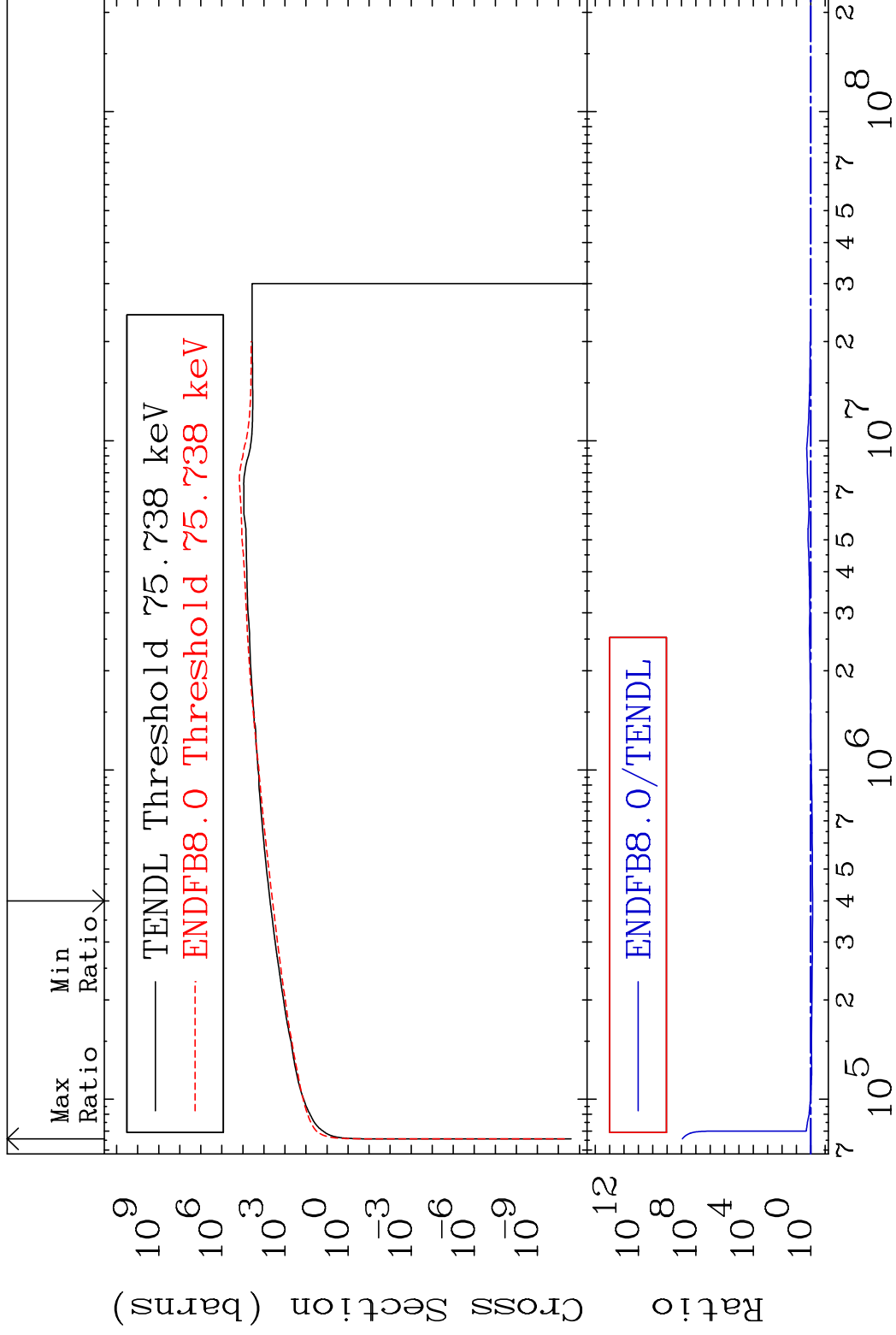
Incident Energy (eV)

64-Gd-160

MAT 6449

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

Cross Section -23.83 To 9999. %



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

