

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

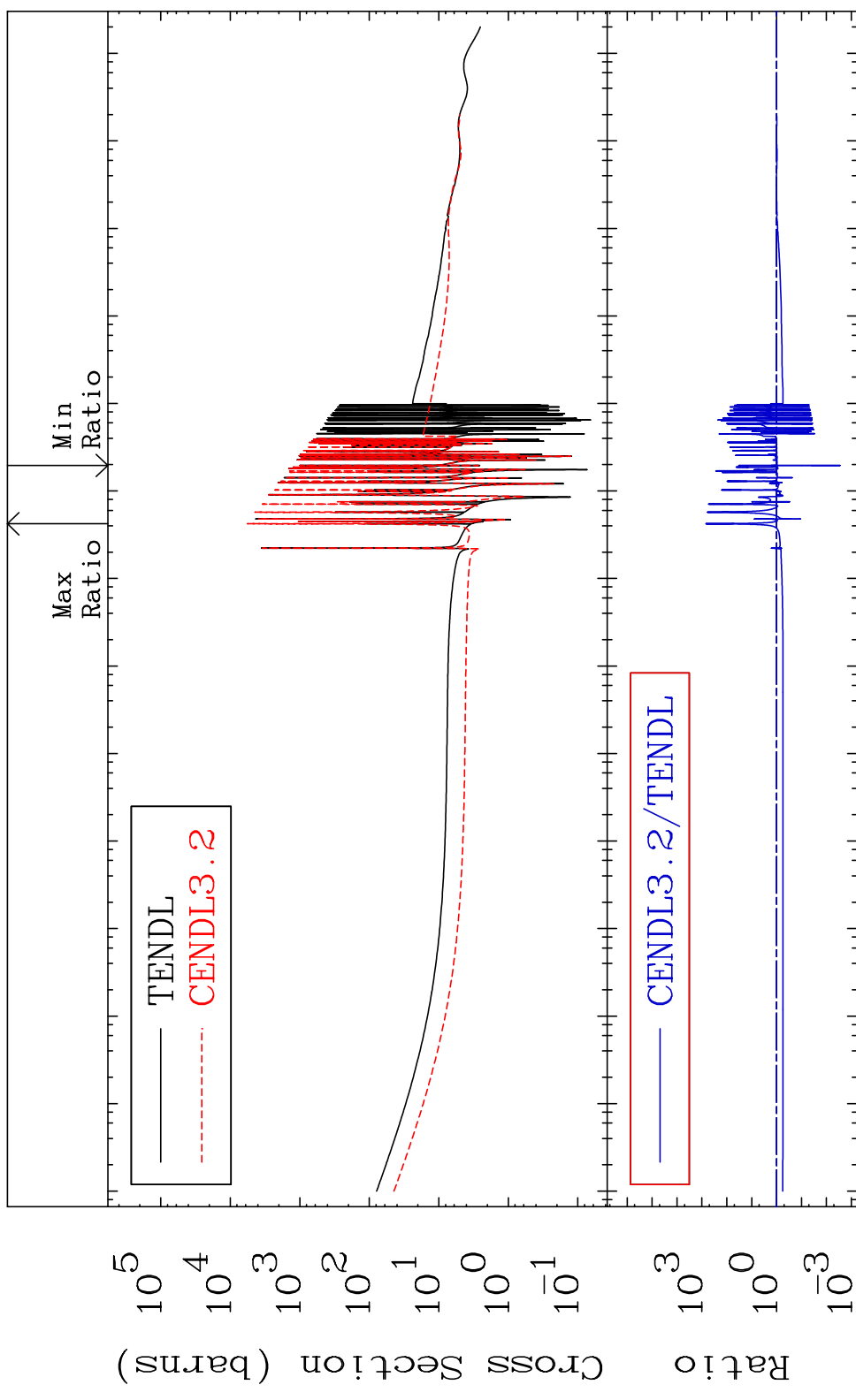
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6449

Total Cross Section -99.73 To 9999. %  
64-Gd-160



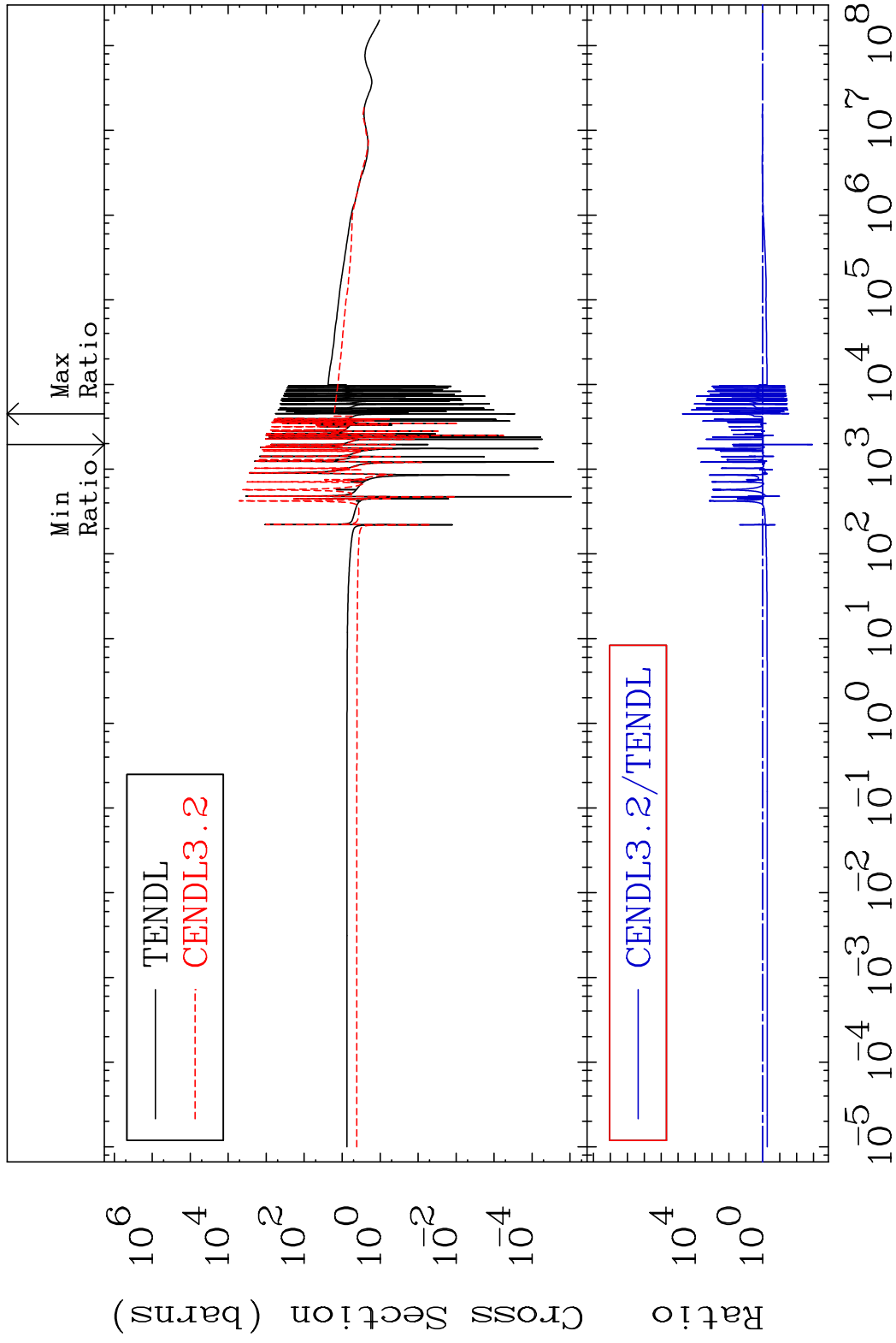
1 Incident Energy (eV) 64-Gd-160

MAT 6449

Elastic

64-Gd-160

Cross Section -99.89 To 9999. %

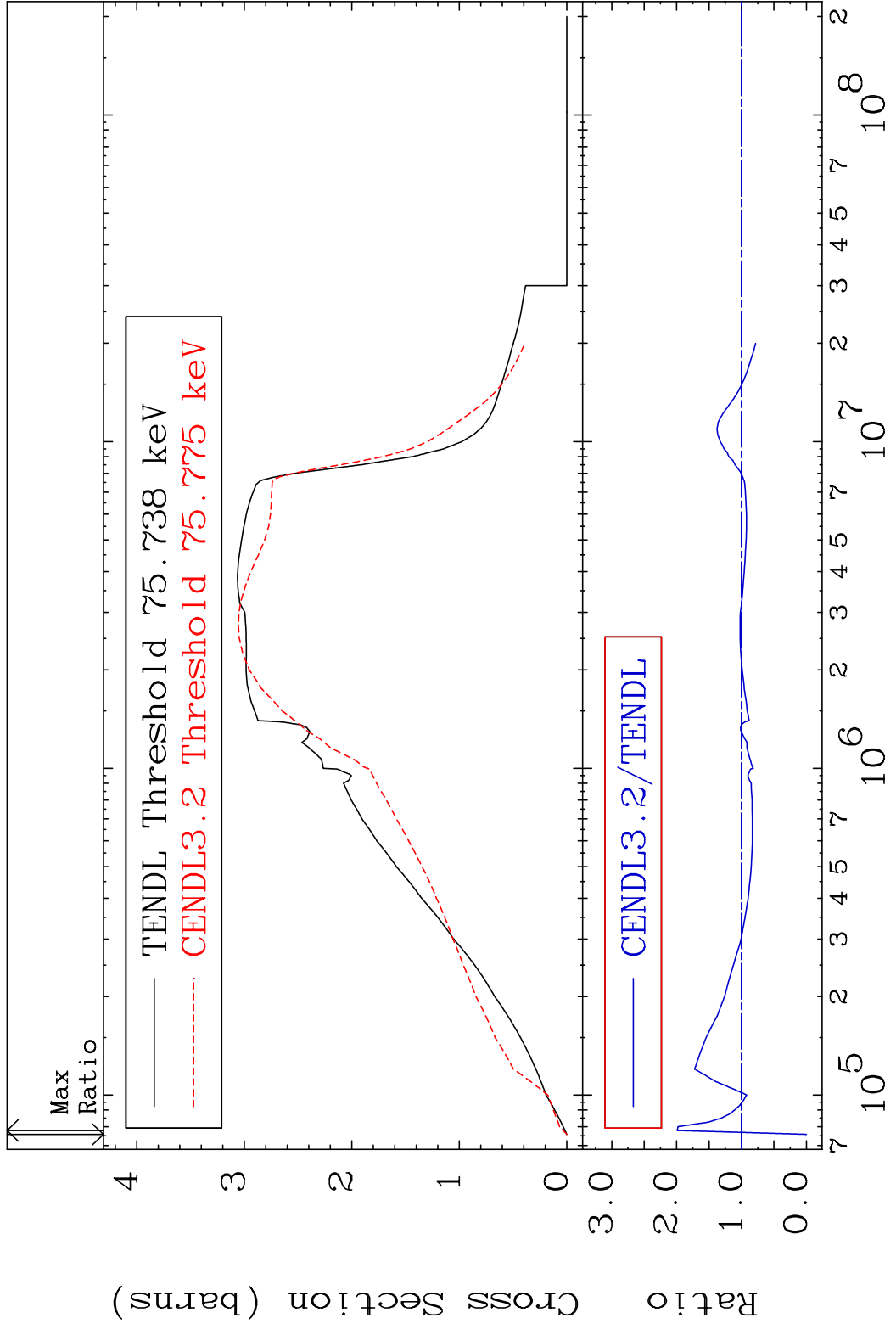


2

Incident Energy (eV)

64-Gd-160

MAT 6449 Inelastic 64-Gd-160  
Cross Section -100.0 To 99.12 %



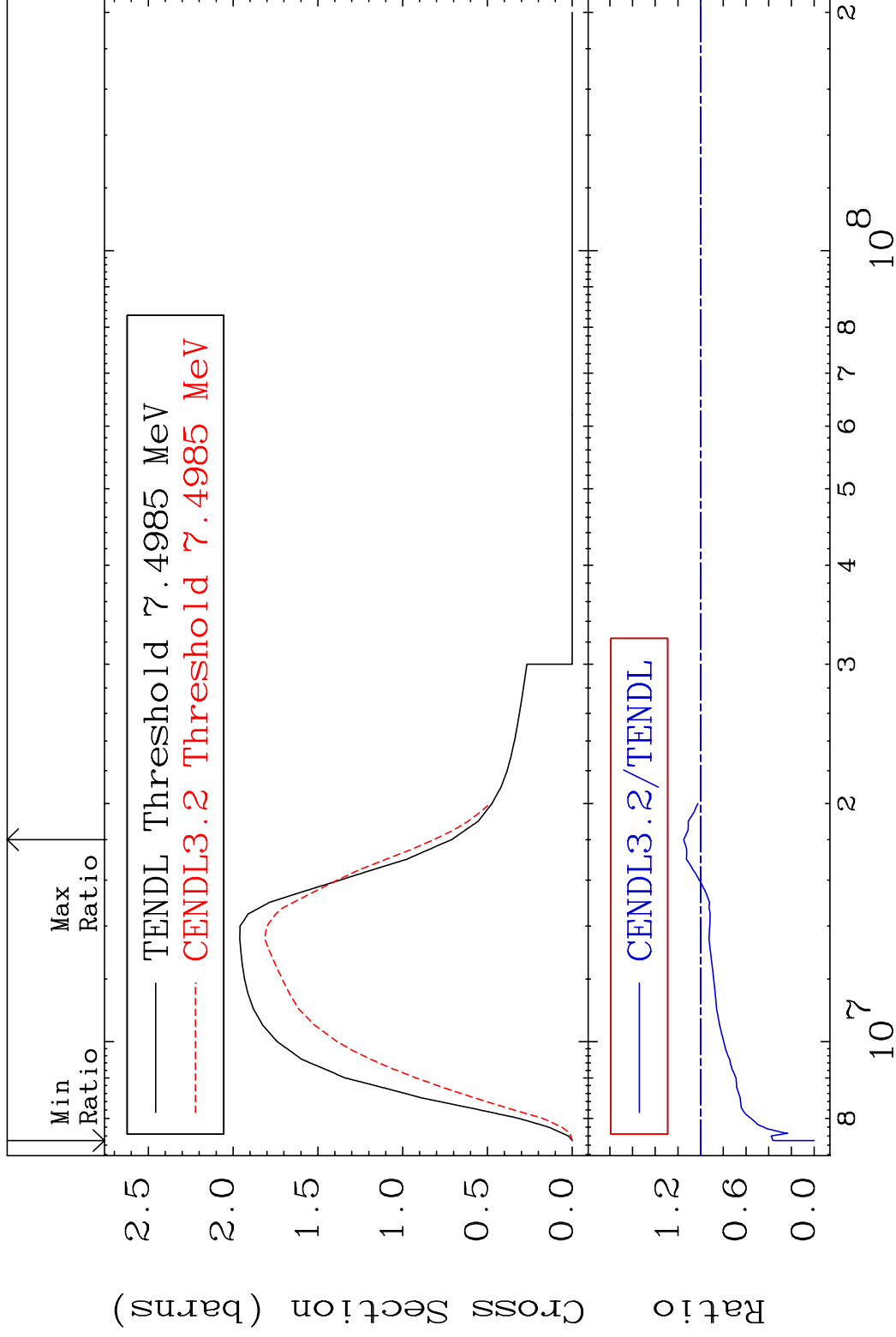
3 Incident Energy (eV) 64-Gd-160

MAT 6449

(n,2n)

64-Gd-160

Cross Section -100.0 To 14.92 %



4

Incident Energy (eV)

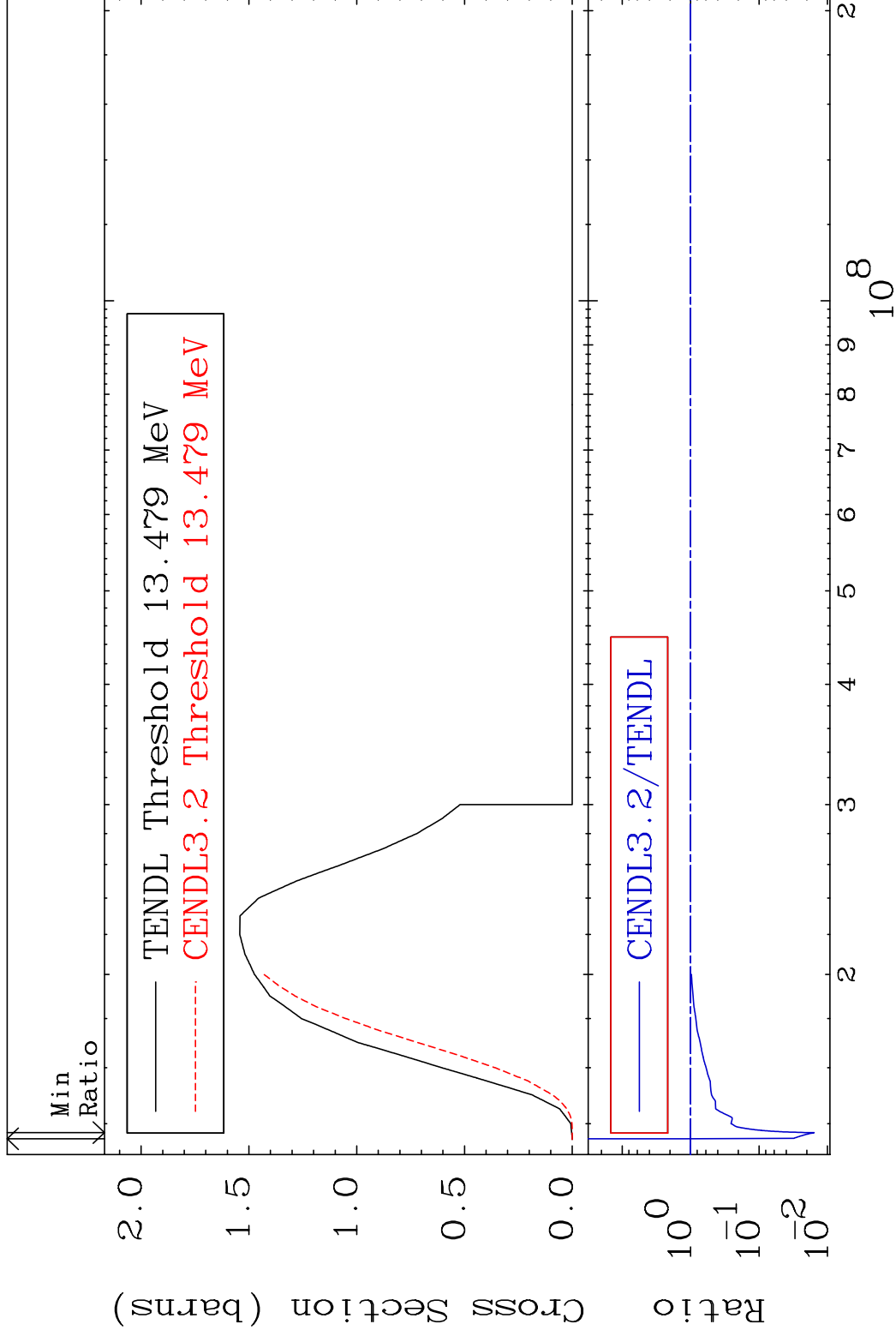
64-Gd-160

MAT 6449

(n,3n)

64-Gd-160

Cross Section -98.43 To 26.17 %

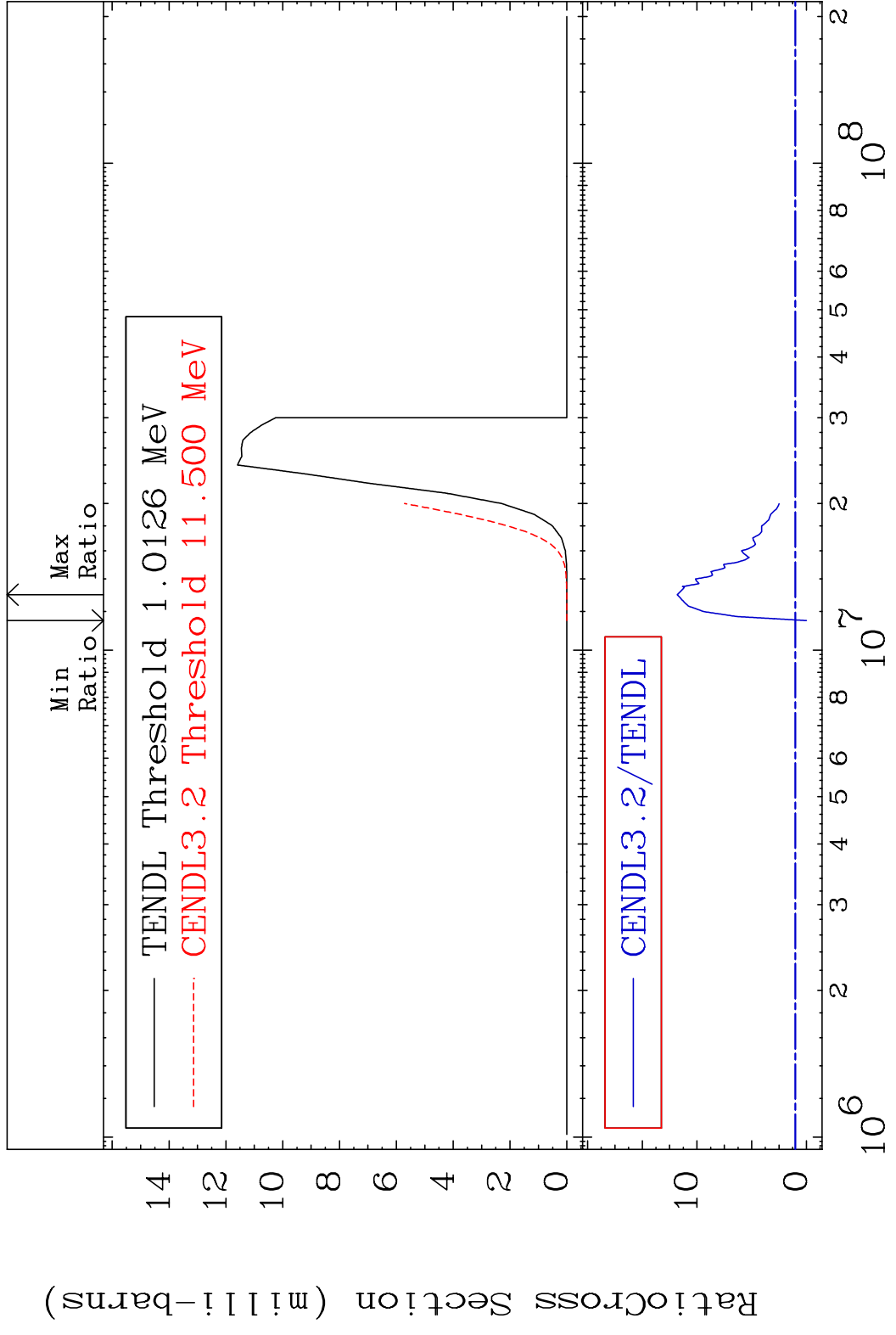


5

Incident Energy (eV)

64-Gd-160

MAT 6449 (n, n')  $\alpha$  64-Gd-160  
 Cross Section -100.0 To 1081. %



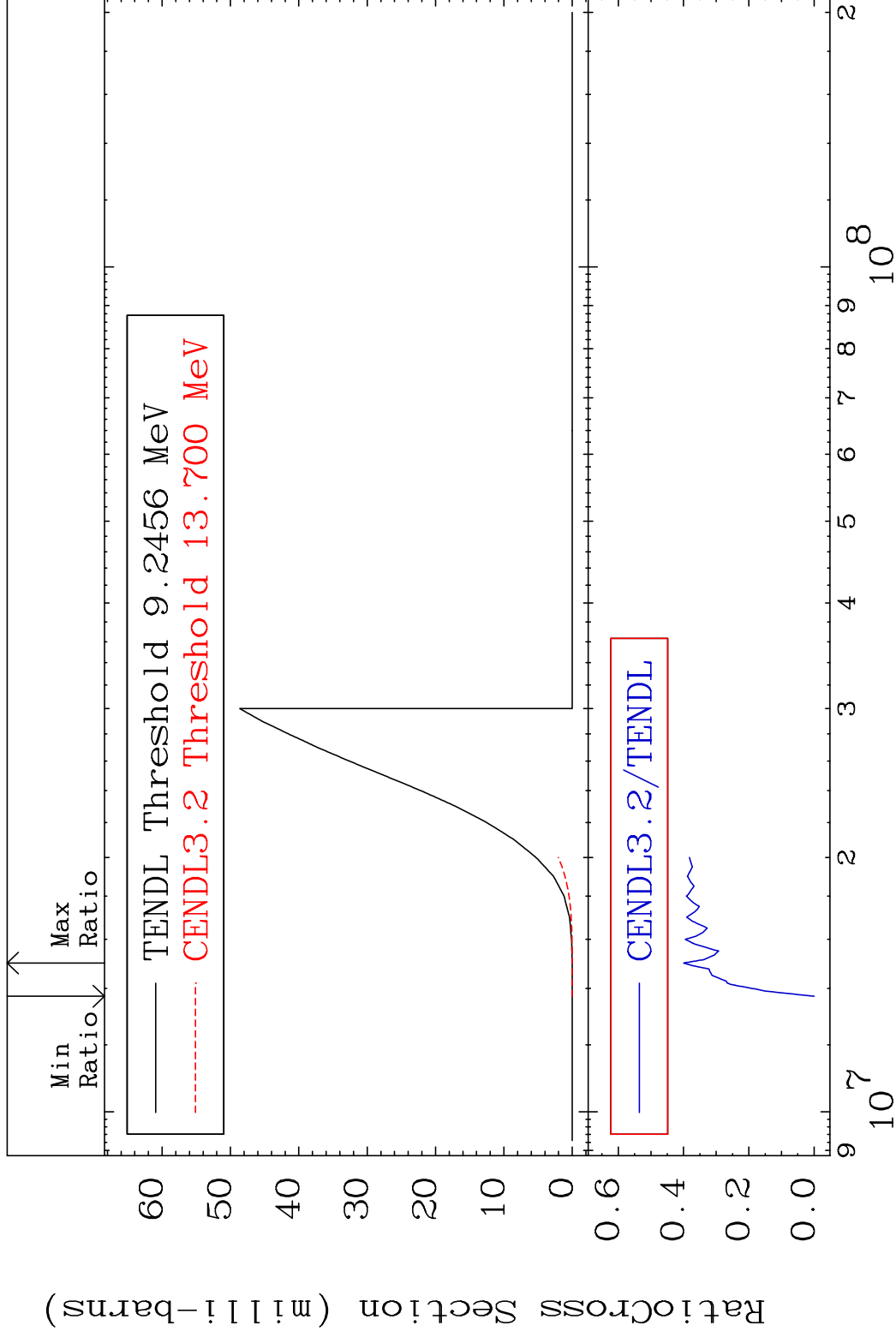
6 Incident Energy (eV) 64-Gd-160

MAT 6449

(n, n') p

64-Gd-160

Cross Section -100.0 To -60.03%

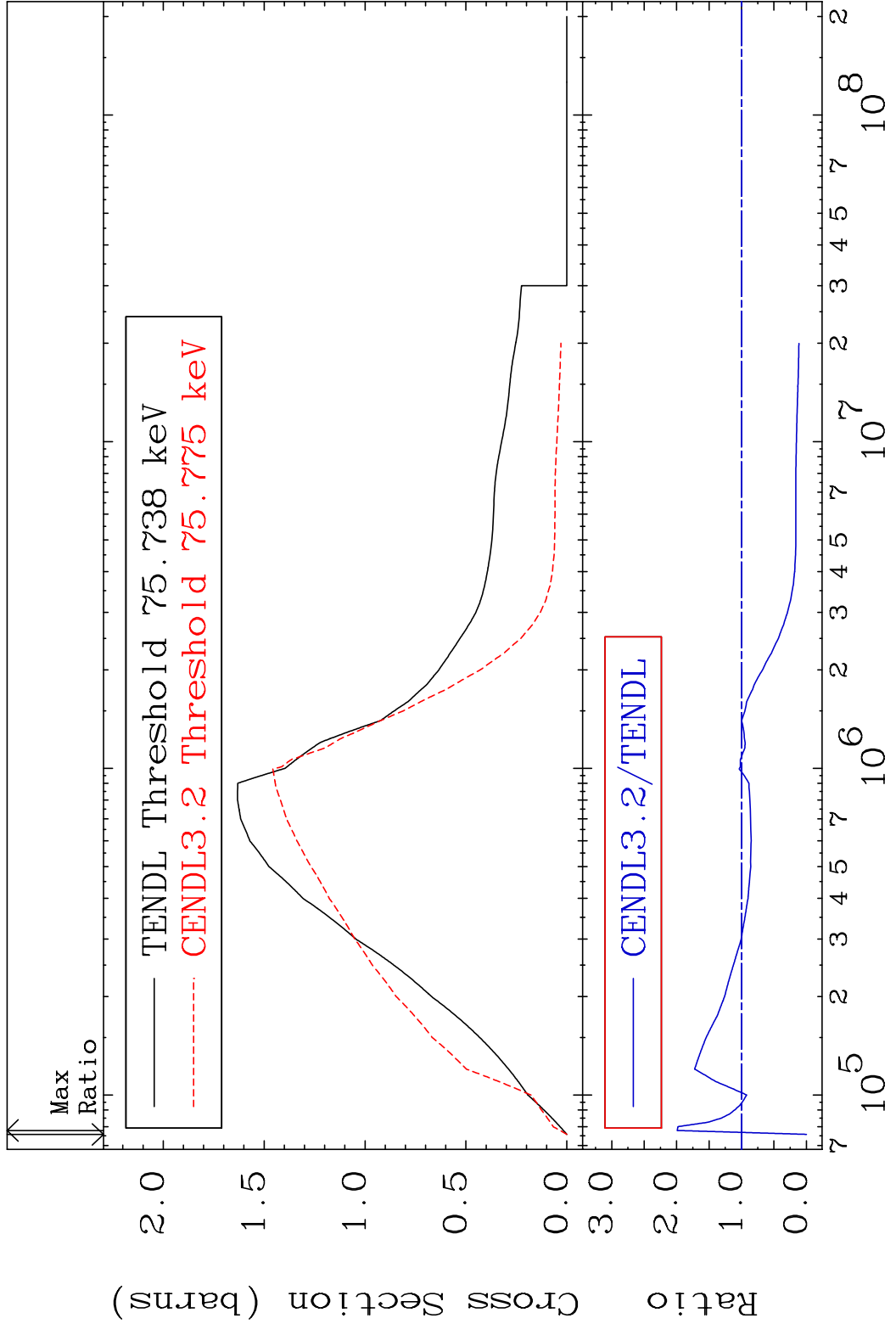


7

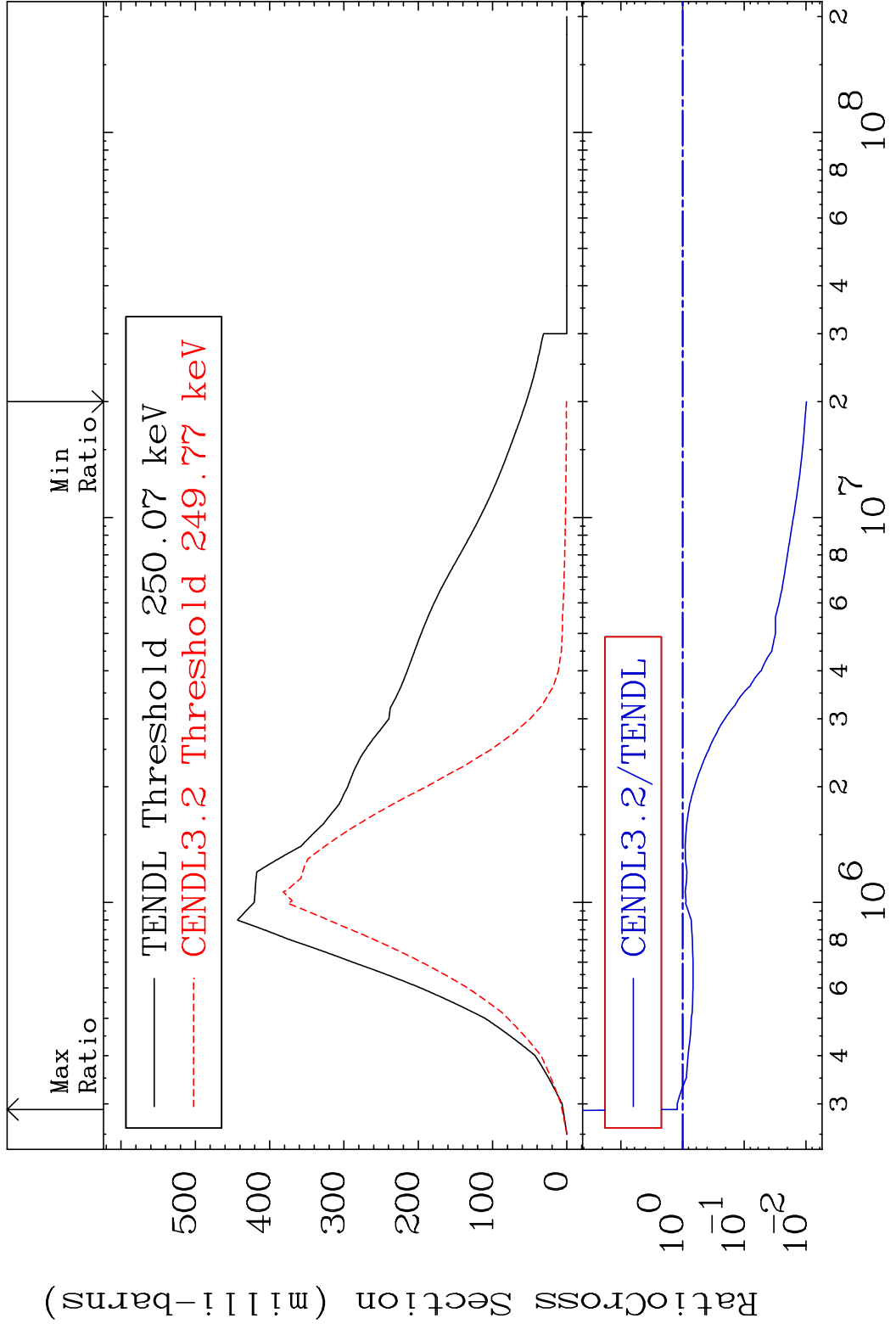
Incident Energy (eV)

64-Gd-160

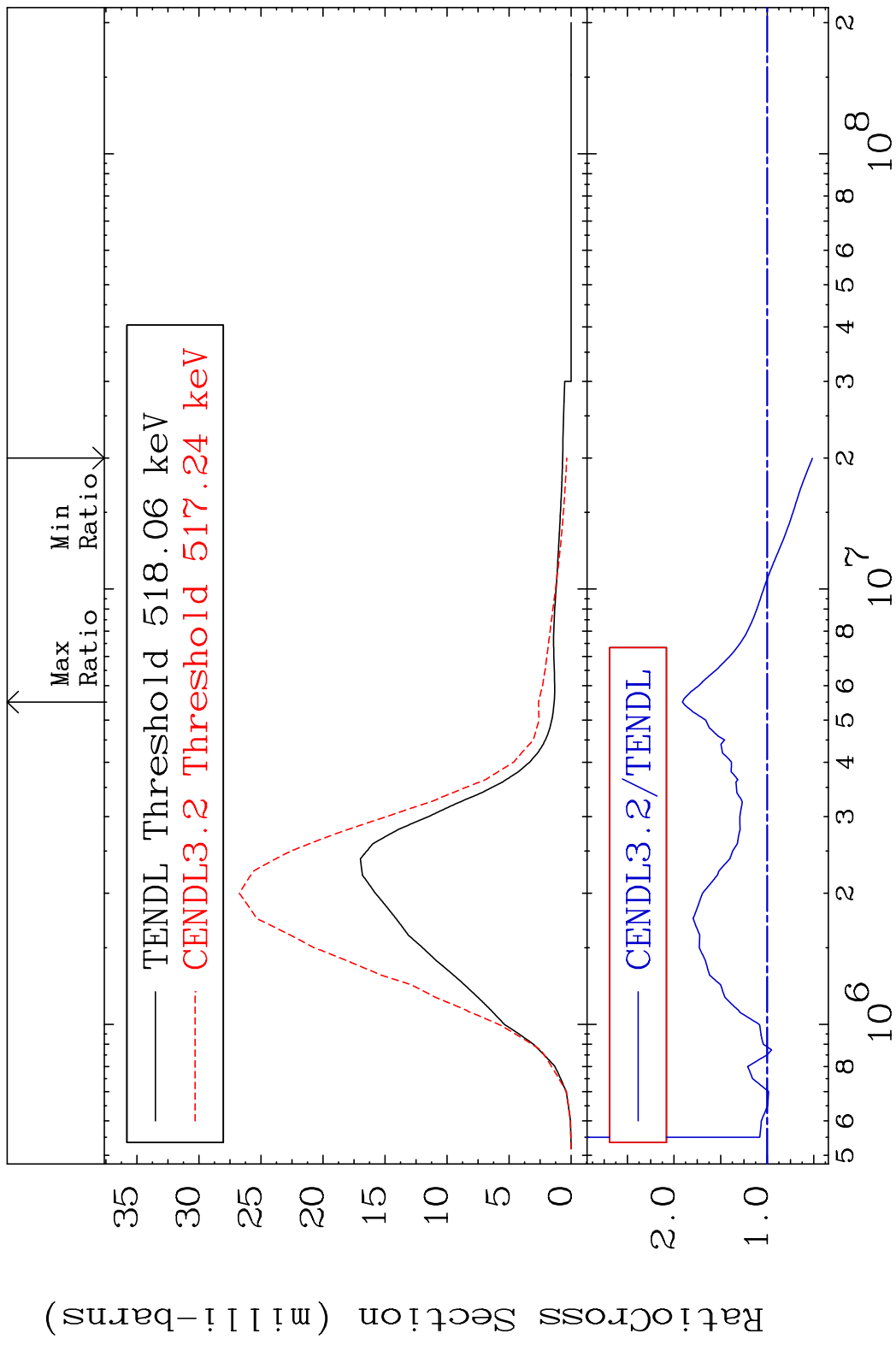
MAT 6449 MT= 51 (n,n') Level 64-Gd-160  
 Cross Section -100.0 To 99.12 %



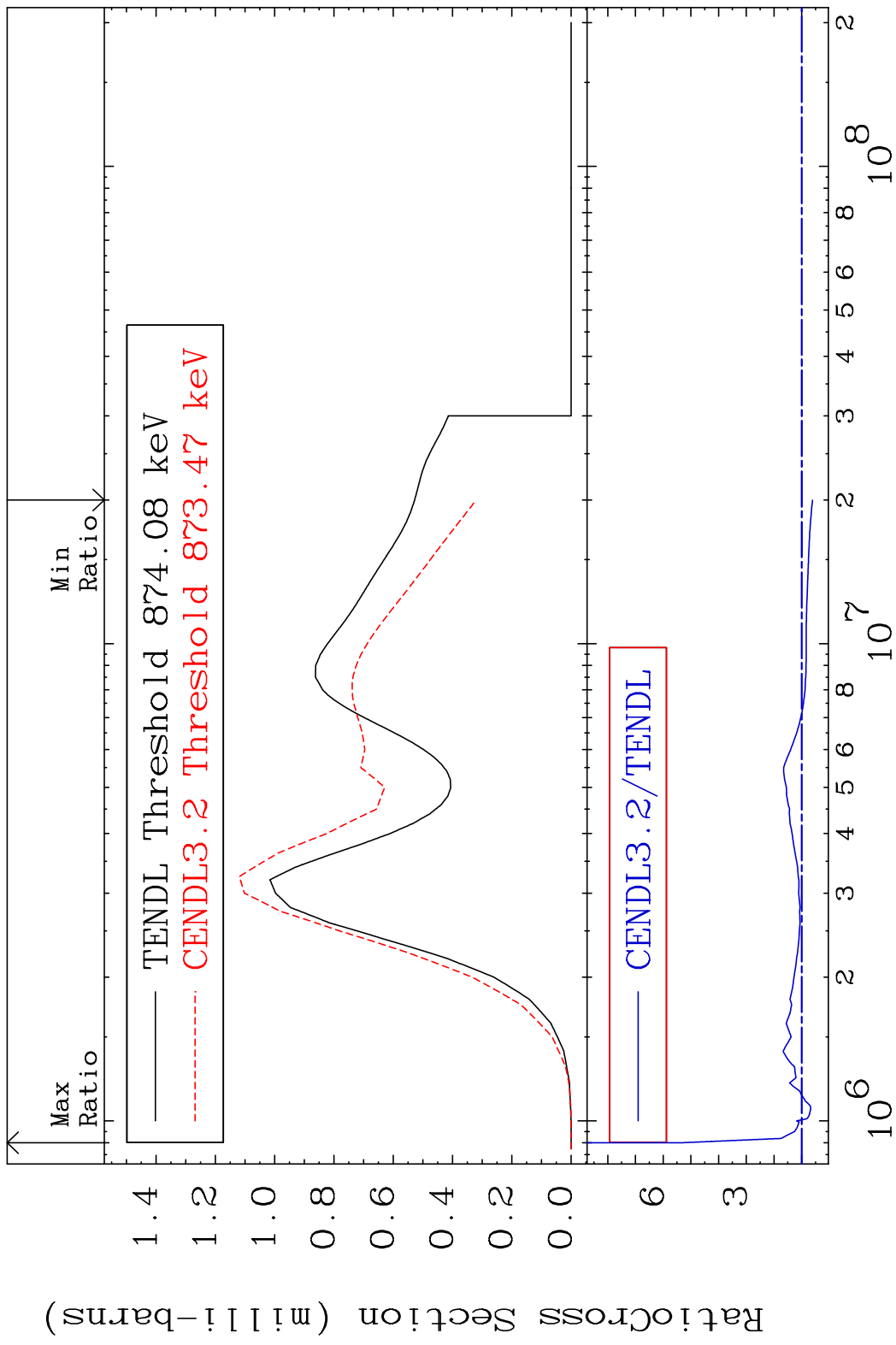
MAT 6449 MT= 52 (n, n') Level 64-Gd-160  
 Cross Section -99.01 To 22.25 %



MAT 6449 MT= 53 (n, n') Level 64-Gd-160  
 Cross Section -48.71 To 91.06 %

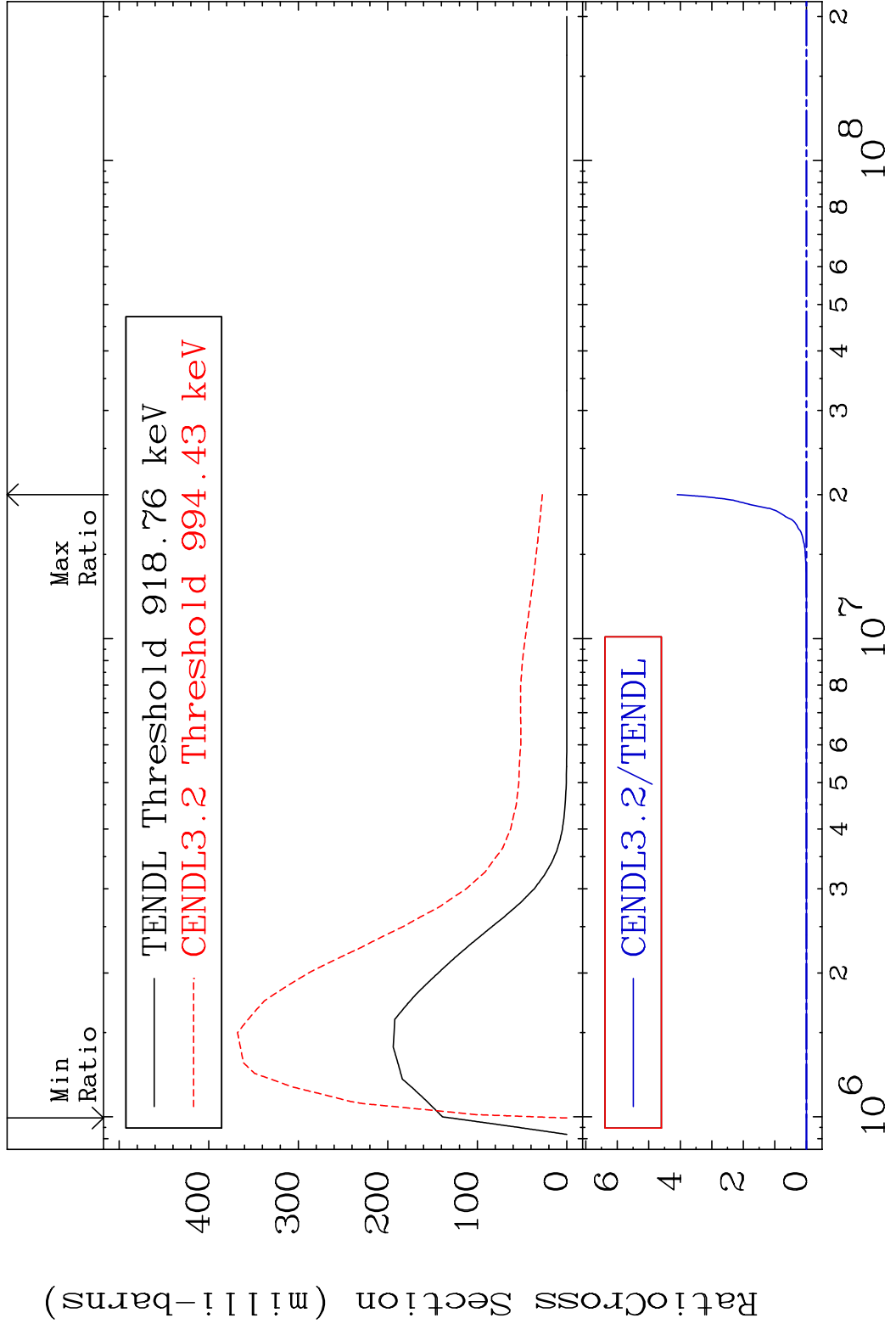


MAT 6449 MT= 54 (n, n') Level 64-Gd-160  
 Cross Section -39.25 To 430.7 %



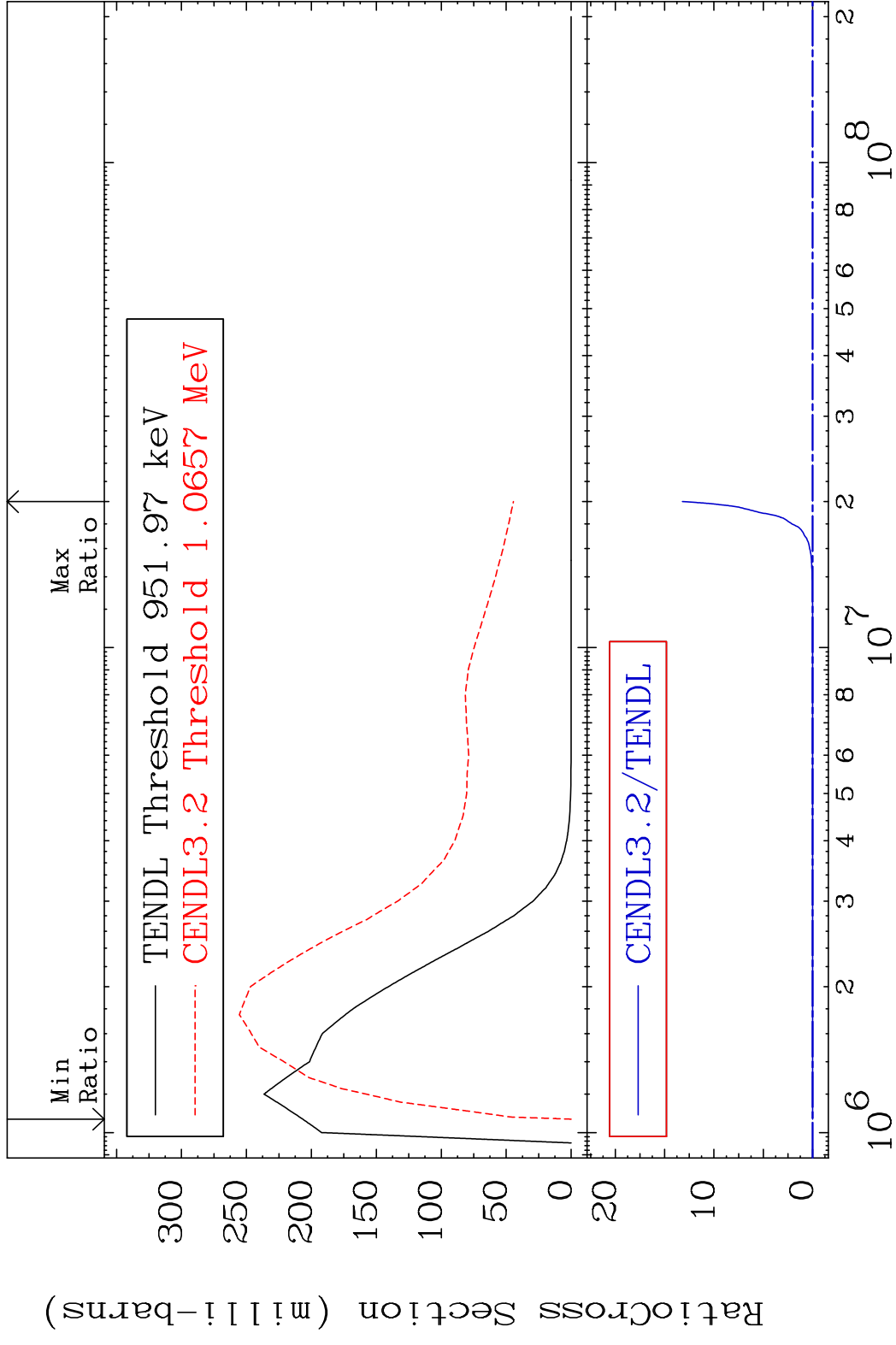
11 Incident Energy (eV) 64-Gd-160

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



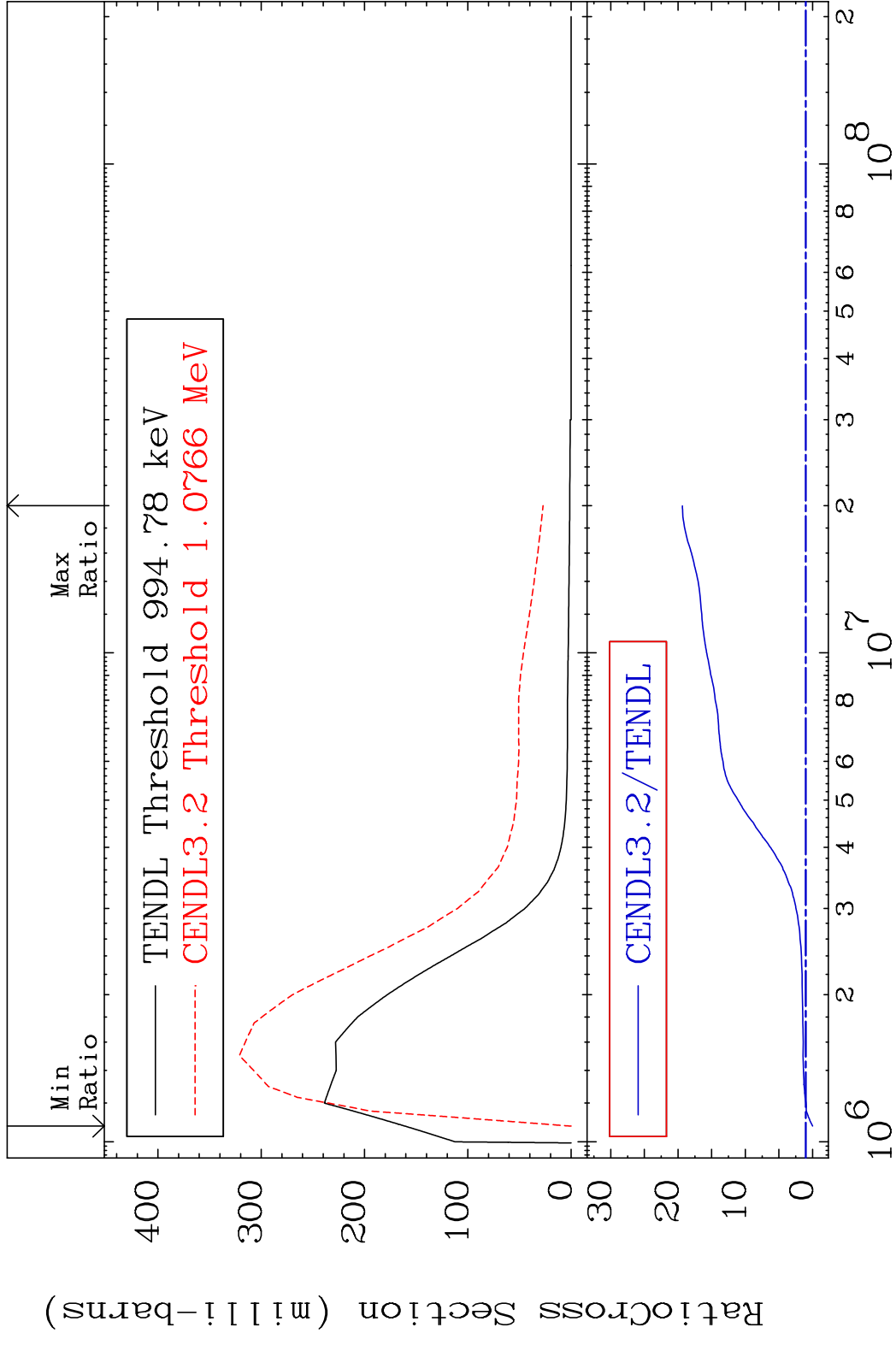
12 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 56 (n, n') Level 64-Gd-160  
 Cross Section -100.0 To 9999. %



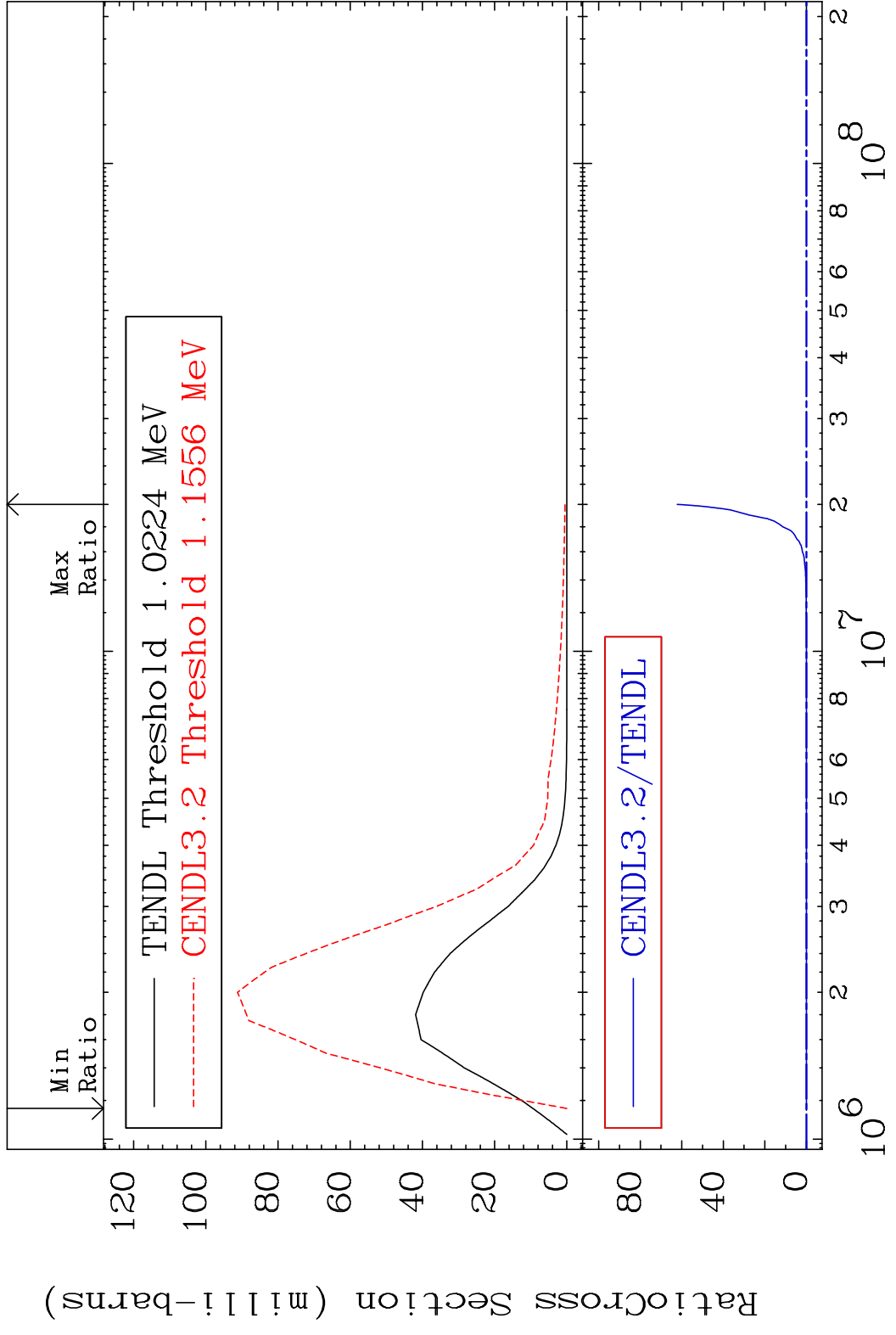
13 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 57 (n, n') Level 64-Gd-160  
 Cross Section -100.0 To 1835. %



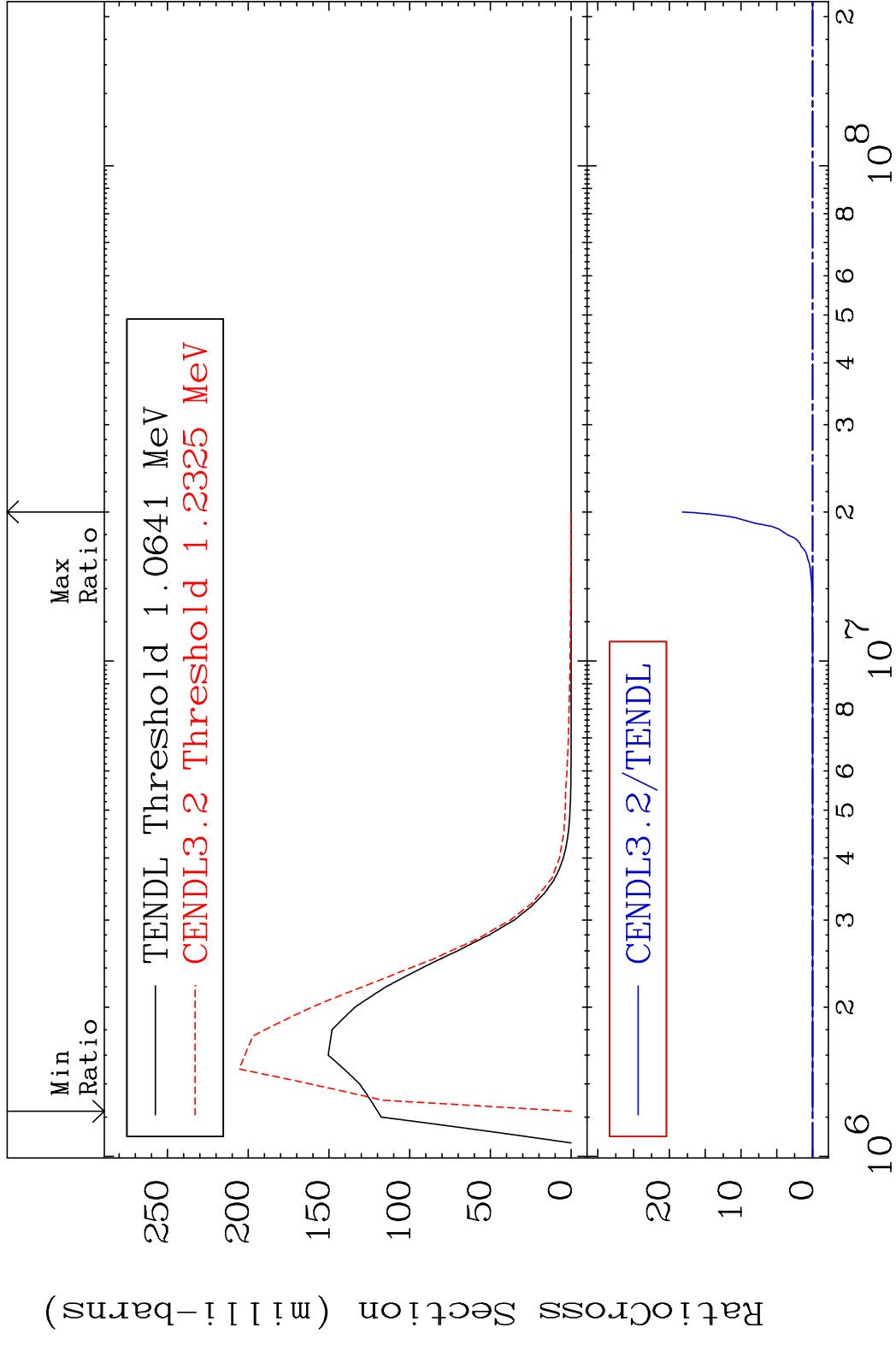
14 64-Gd-160

MAT 6449 MT= 58 (n, n') Level 64-Gd-160  
 Cross Section -100.0 To 9999. %



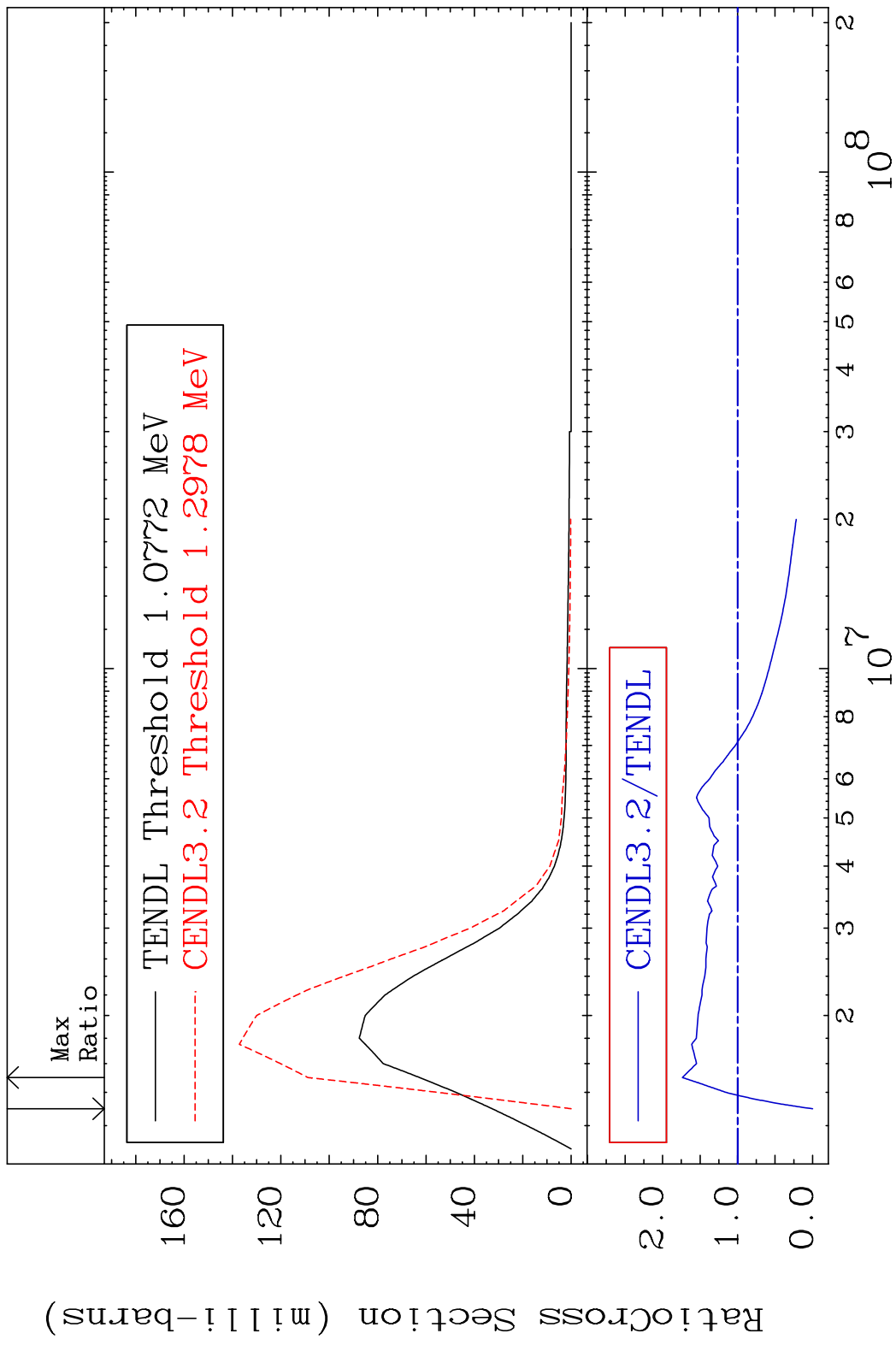
15 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 59 (n, n') Level 64-Gd-160  
 Cross Section -100.0 To 9999. %



16 Incident Energy (eV) 64-Gd-160

MAT 6449 MT= 60 (n, n') Level 64-Gd-160  
 Cross Section -100.0 To 73.61 %

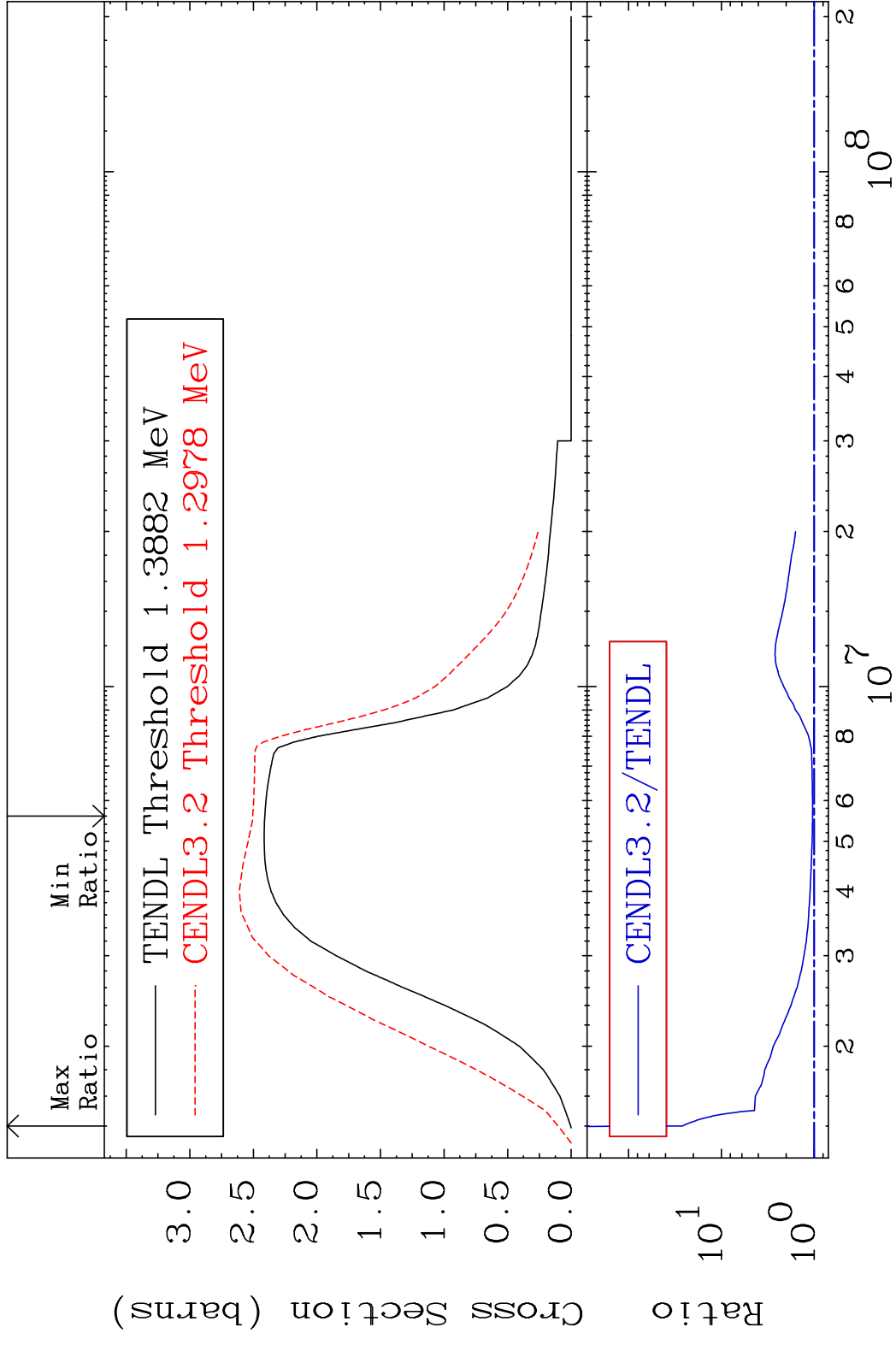


MAT 6449

(n,n') Continuum

64-Gd-160

Cross Section 3.925 To 2530. %

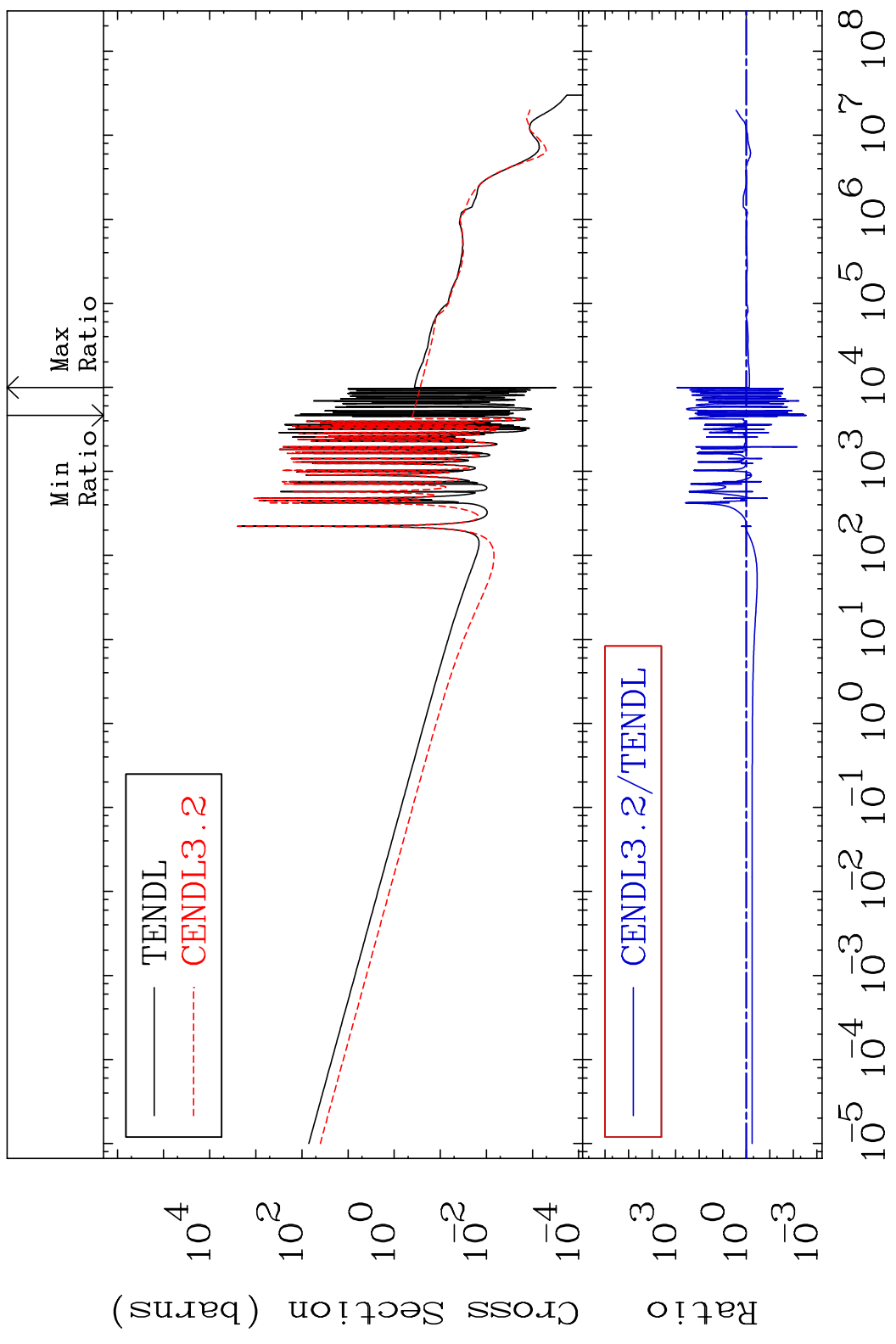


MAT 6449

(n,  $\gamma$ )

64-Gd-160

Cross Section -99.72 To 9999. %

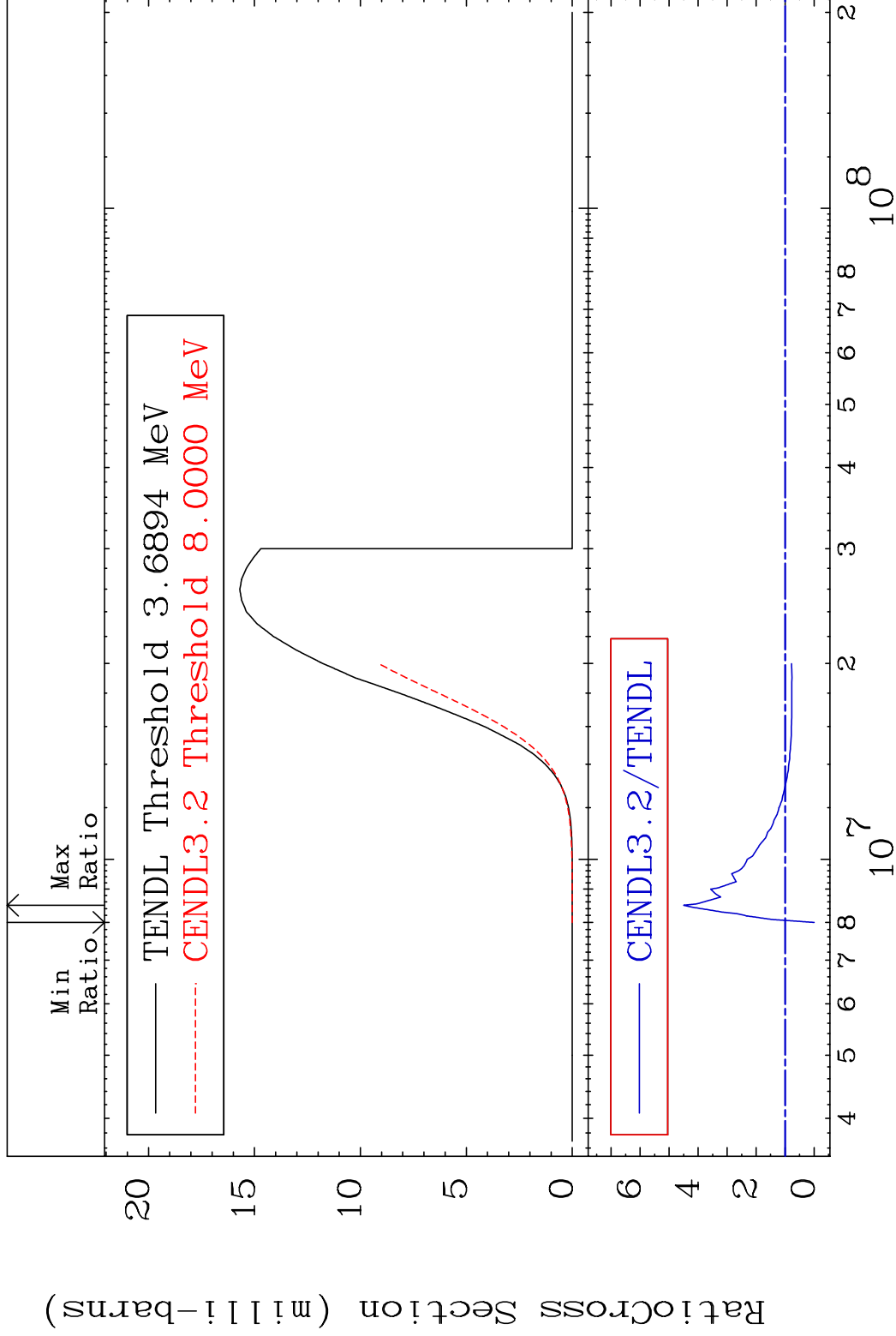


MAT 6449

(n,p)

64-Gd-160

Cross Section -100.0 To 349.9 %

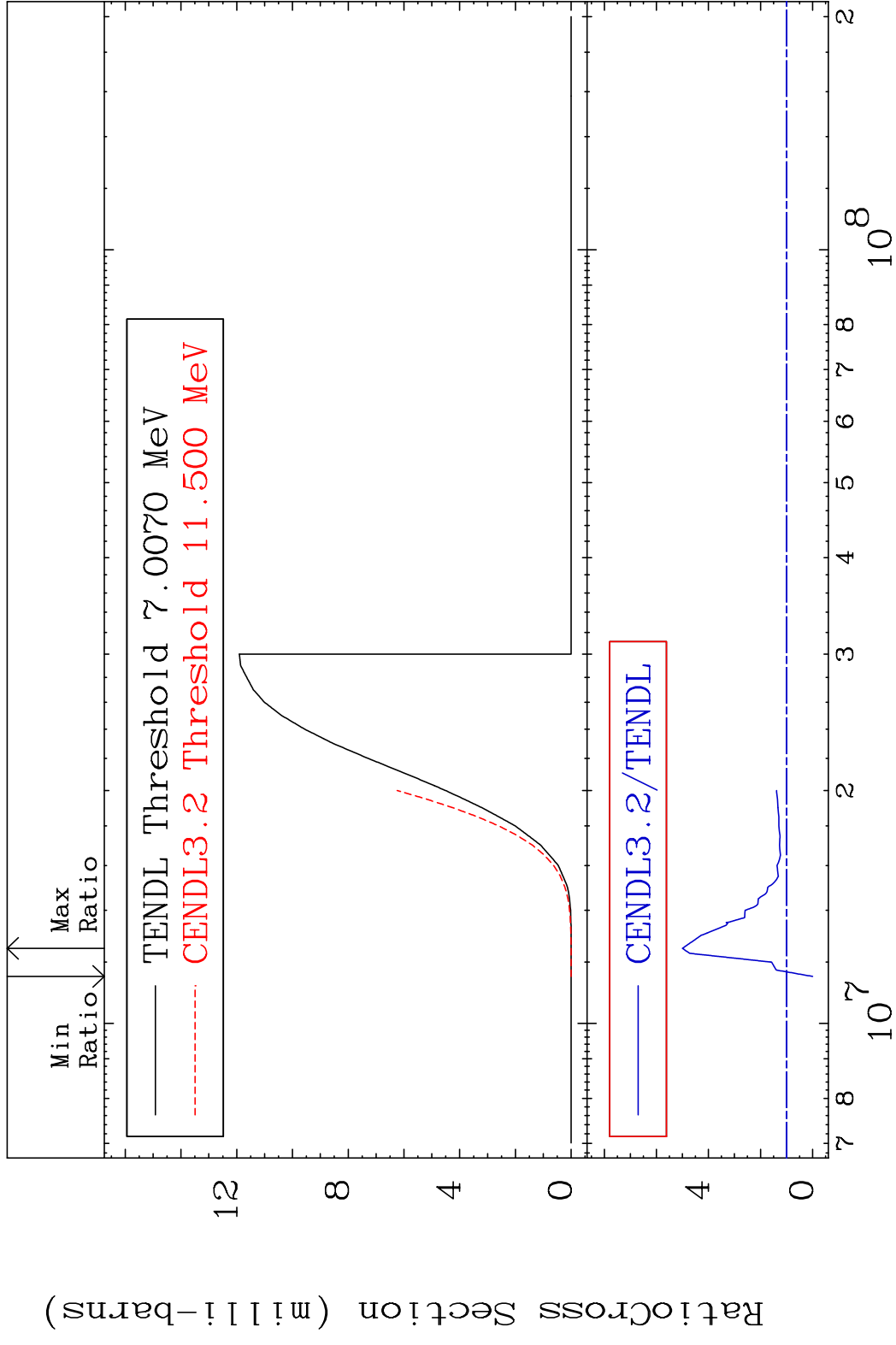


20

Incident Energy (eV)

64-Gd-160

MAT 6449 (n,d) 64-Gd-160  
 Cross Section -100.0 To 400.3 %

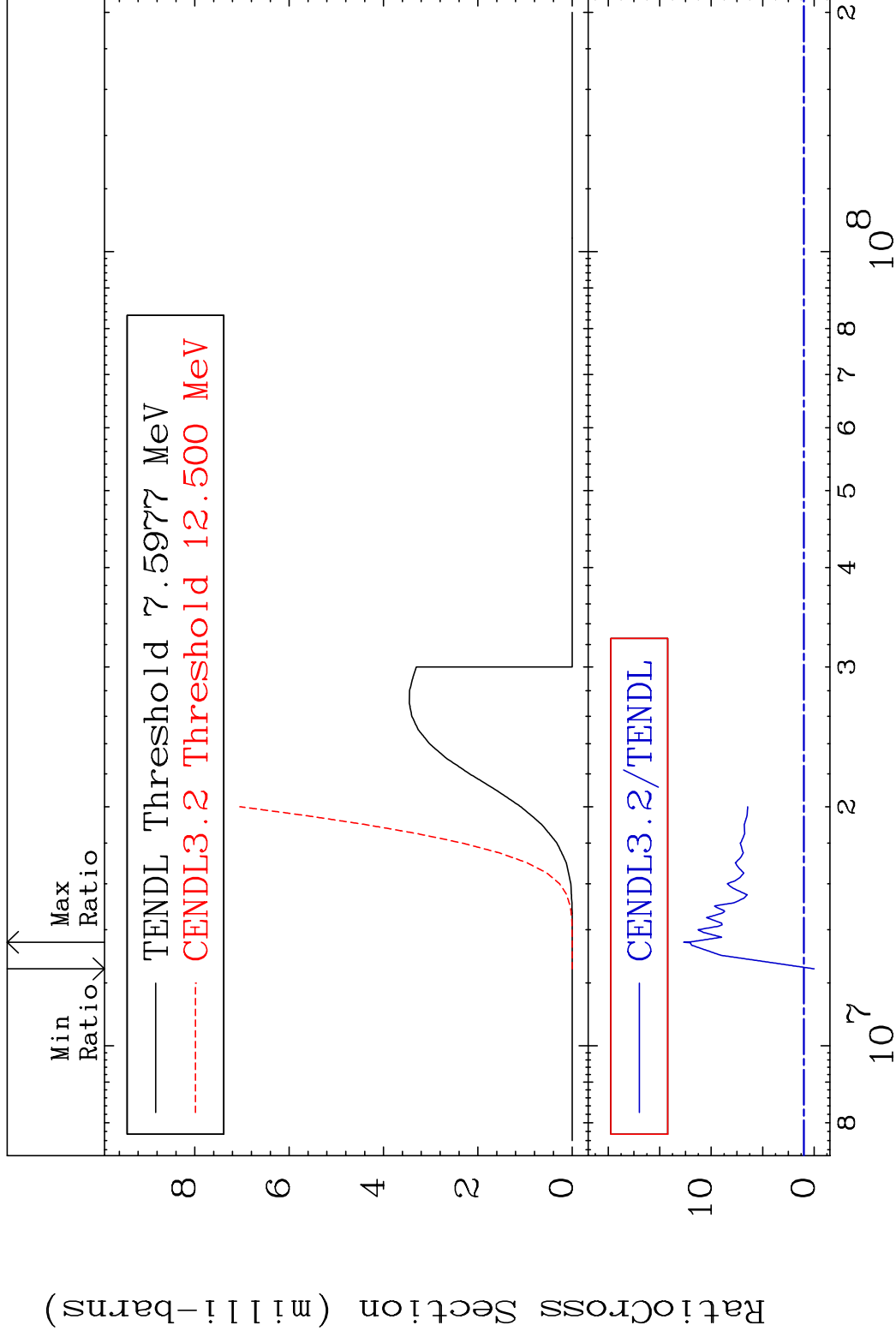


MAT 6449

(n, t)

64-Gd-160

Cross Section -100.0 To 1167. %



22

Incident Energy (eV)

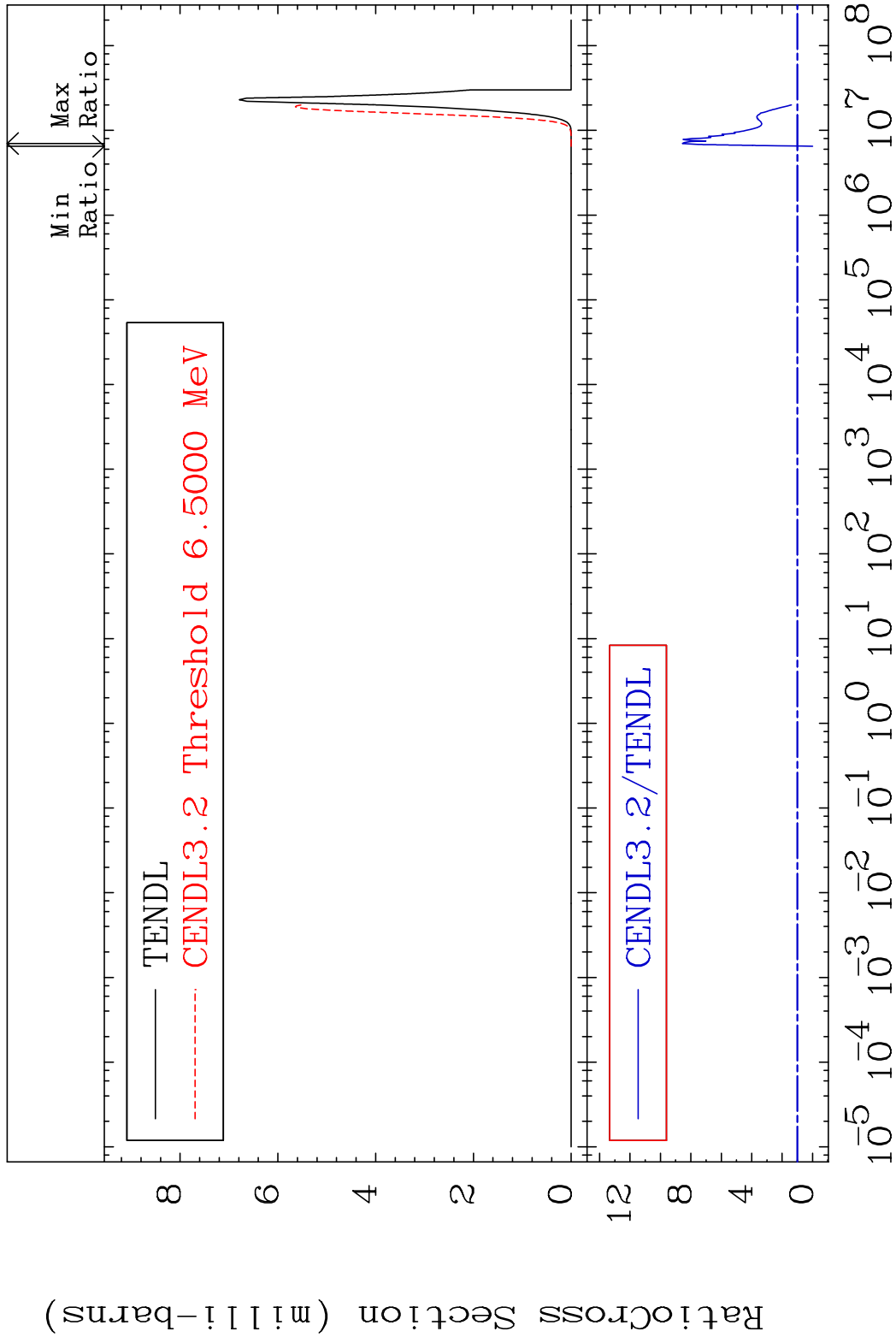
64-Gd-160

MAT 6449

(n,  $\alpha$ )

64-Gd-160

Cross Section -100.0 To 755.9 %



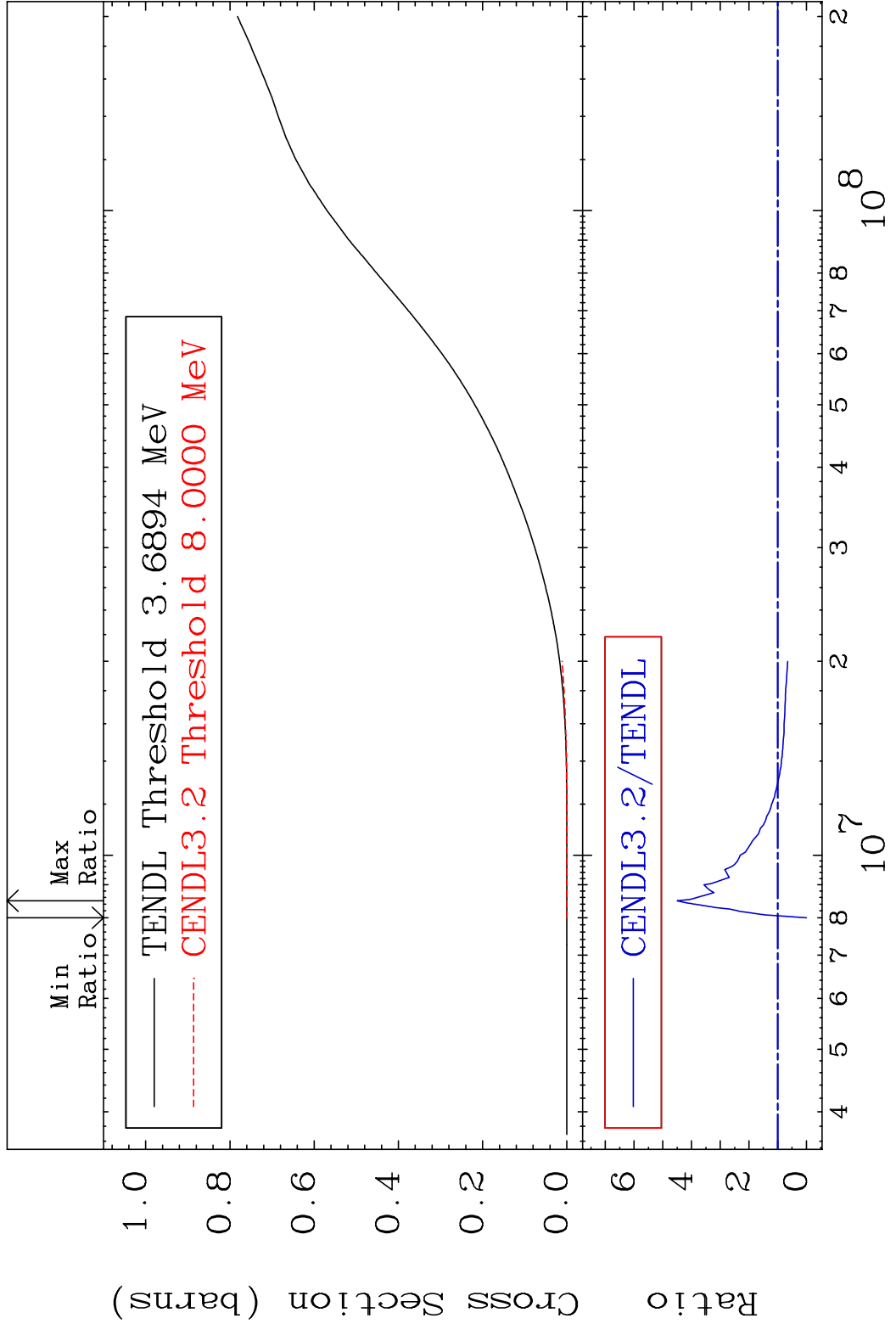
23

Incident Energy (eV)

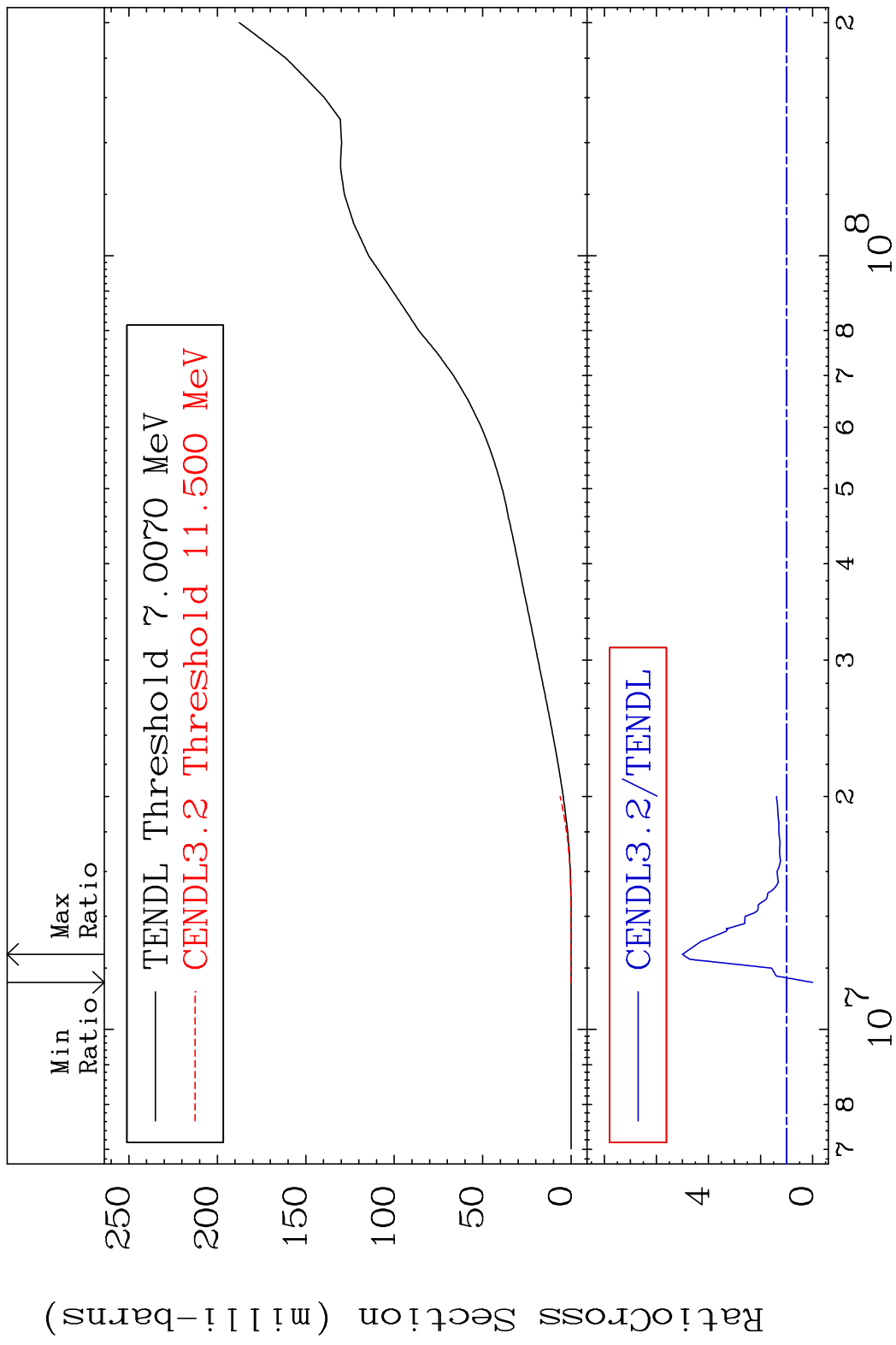
64-Gd-160

MAT 6449

Hydrogen Production 64-Gd-160  
Cross Section -100.0 To 349.9 %



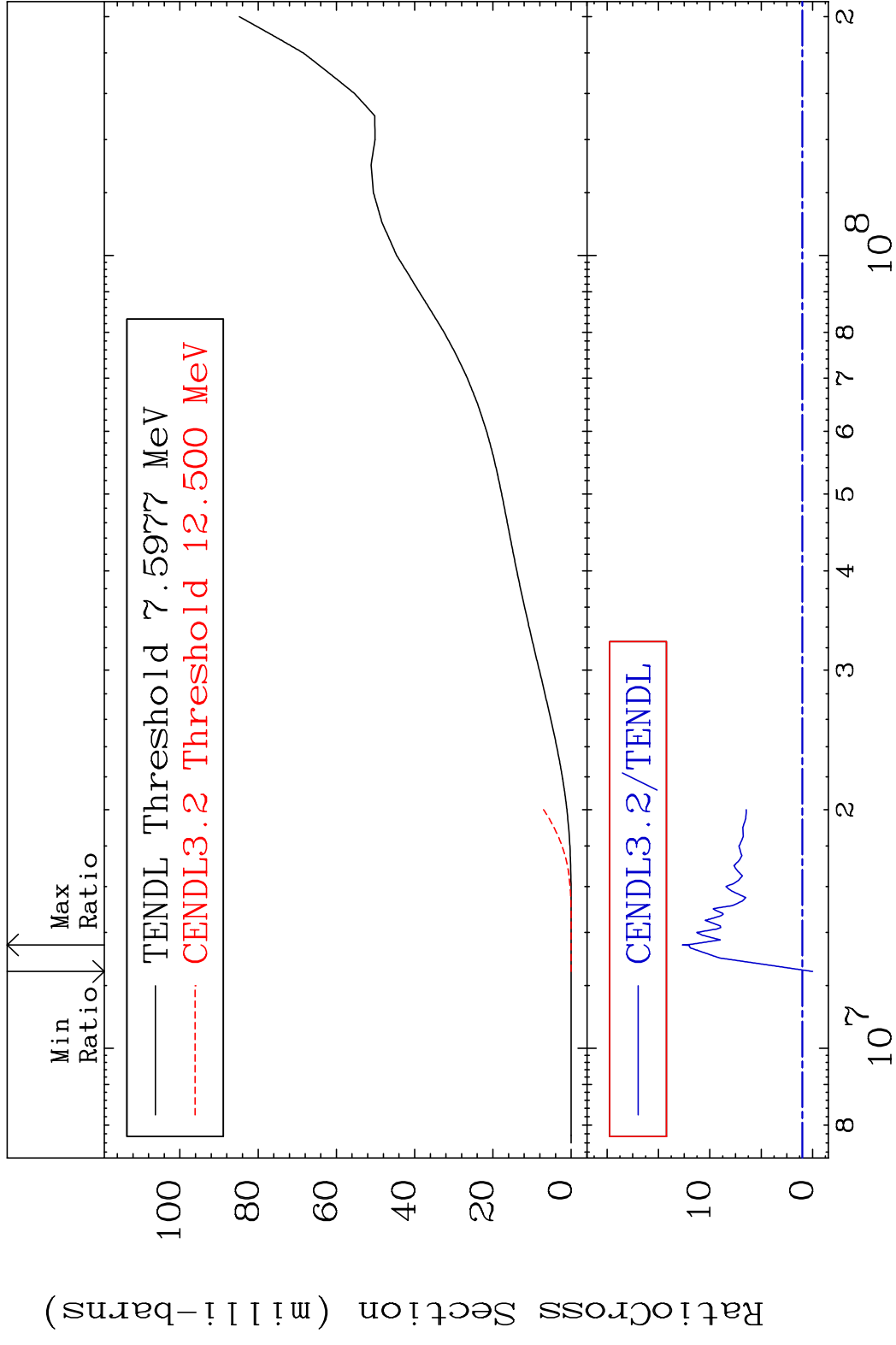
MAT 6449 Deuterium Production 64-Gd-160  
 Cross Section -100.0 To 400.3 %



25 64-Gd-160

MAT 6449

Tritium Production 64-Gd-160  
Cross Section -100.0 To 1167. %

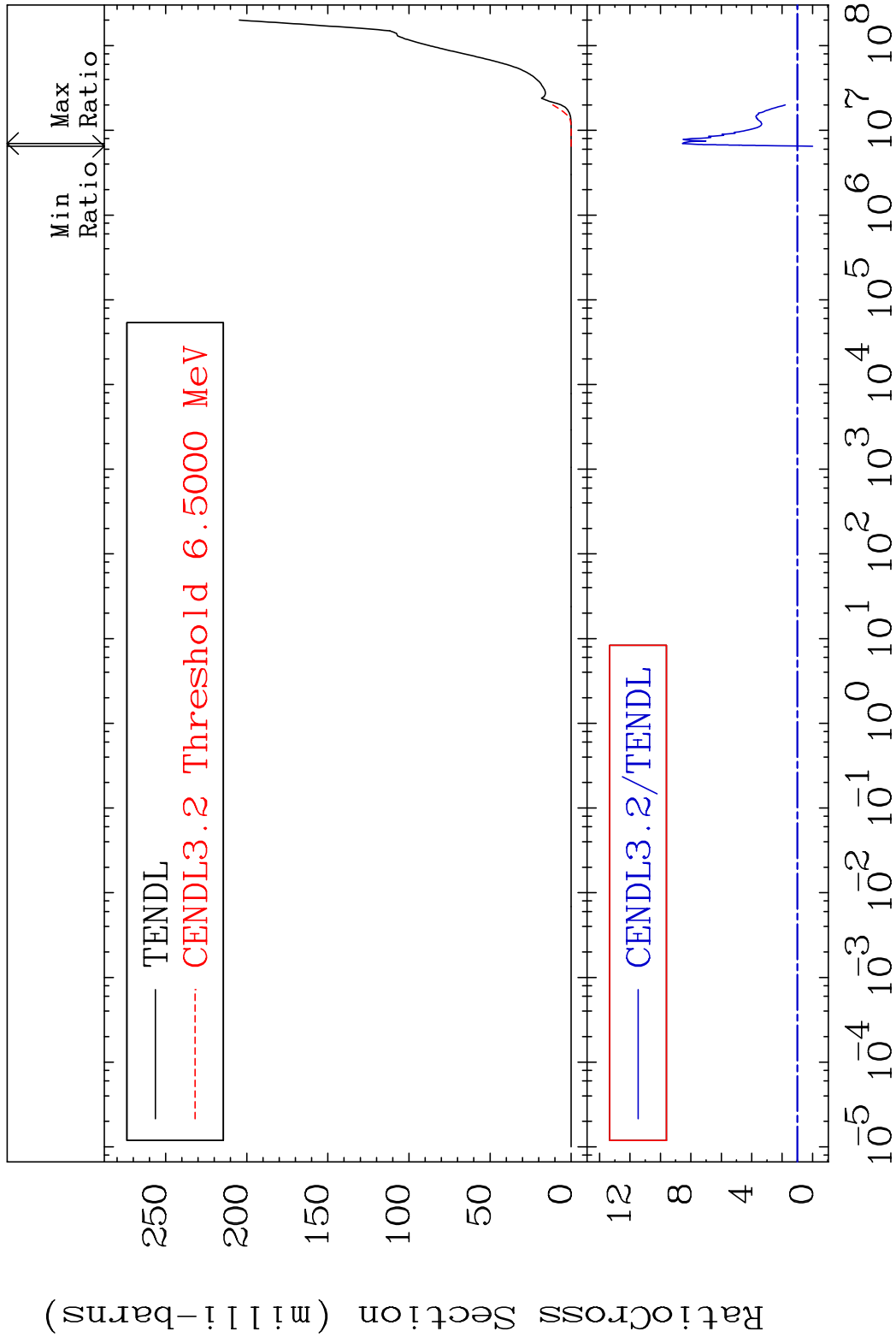


MAT 6449

He-4 Production

64-Gd-160

Cross Section -100.0 To 755.9 %

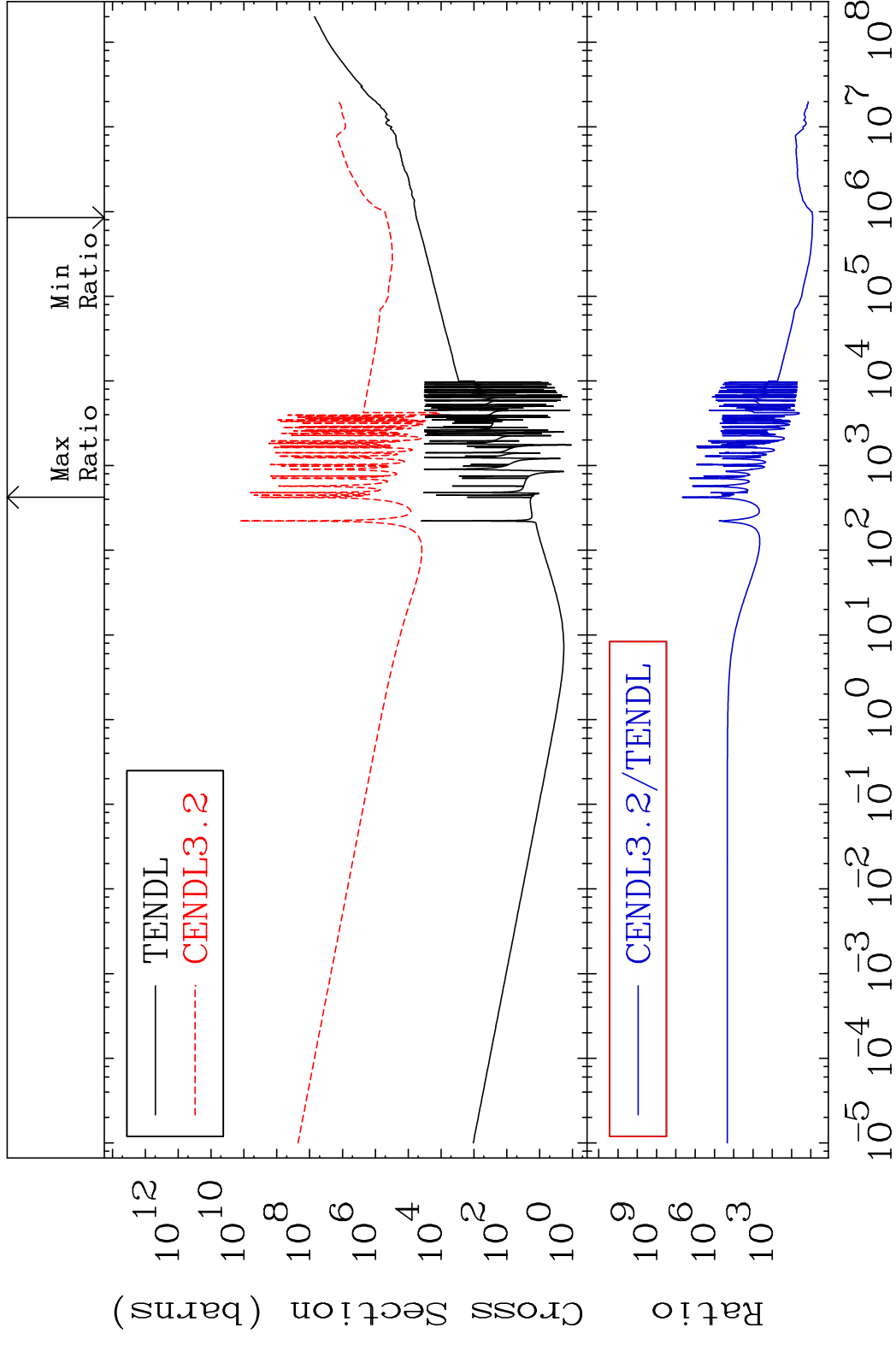


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Incident Energy (eV)

64-Gd-160

MAT 6449 Kerma total (eV-barns) 64-Gd-160  
 Cross Section 715.5 To 9999. %

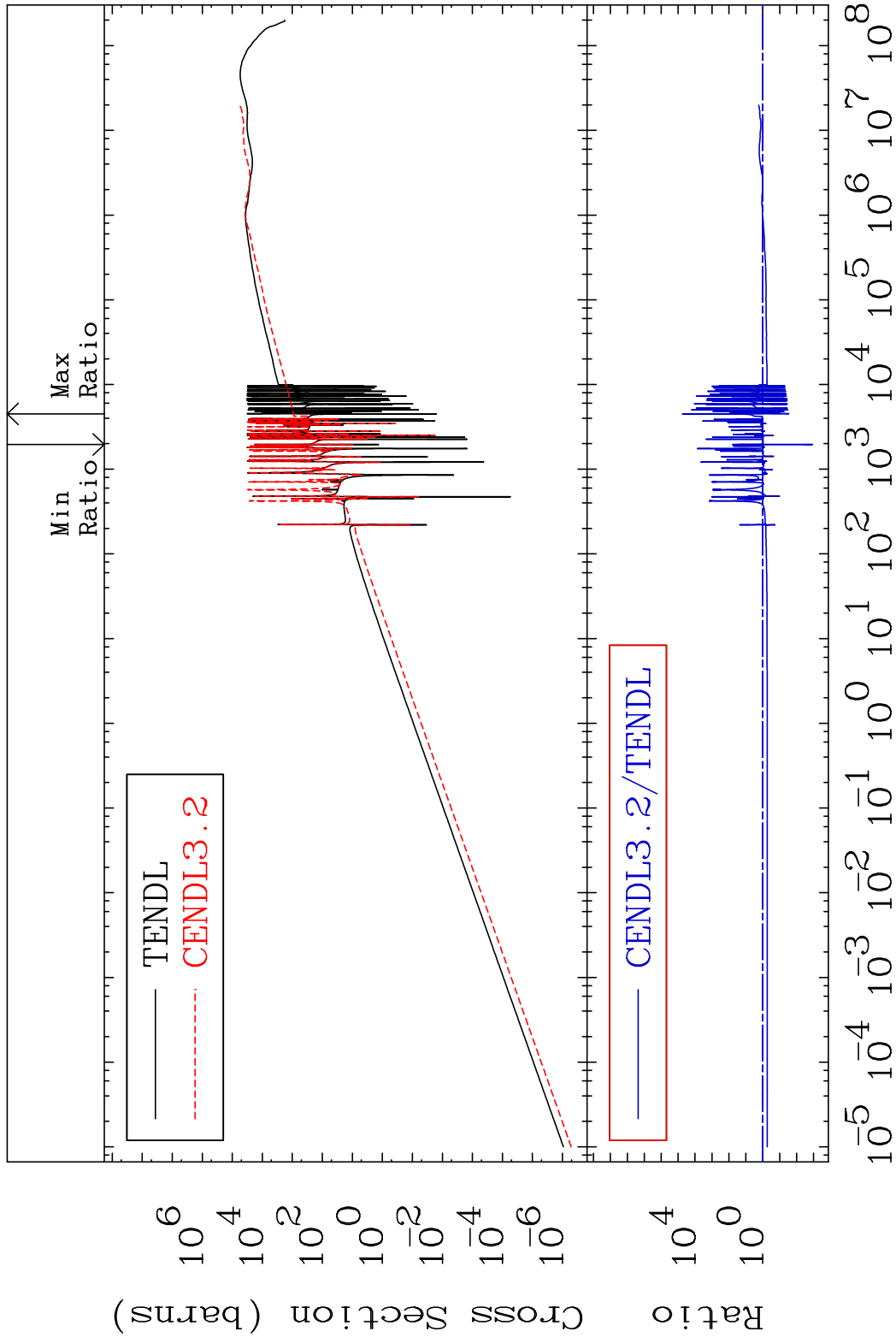


MAT 6449

Kerma elastic

64-Gd-160

Cross Section -99.89 To 9999. %

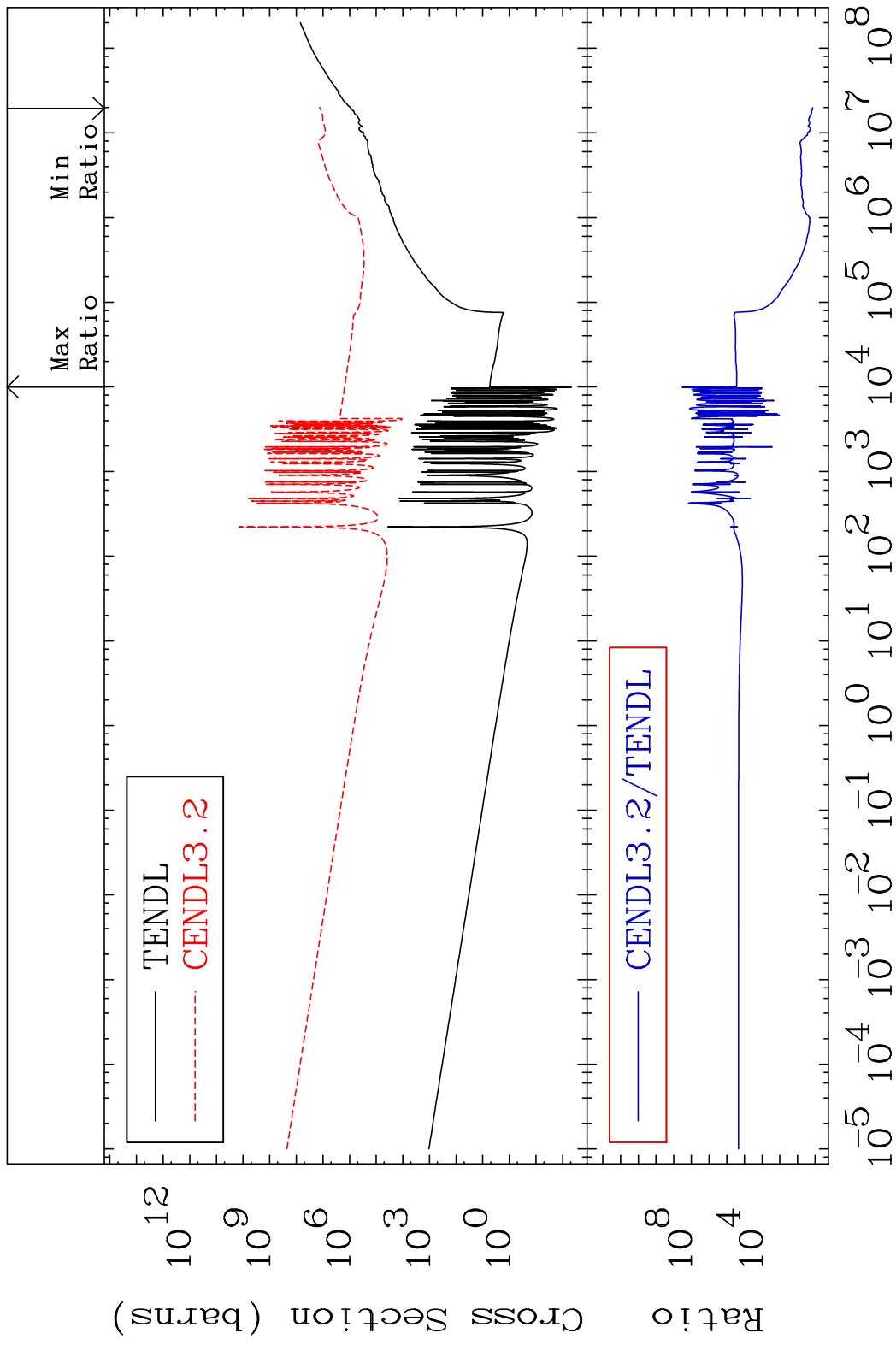


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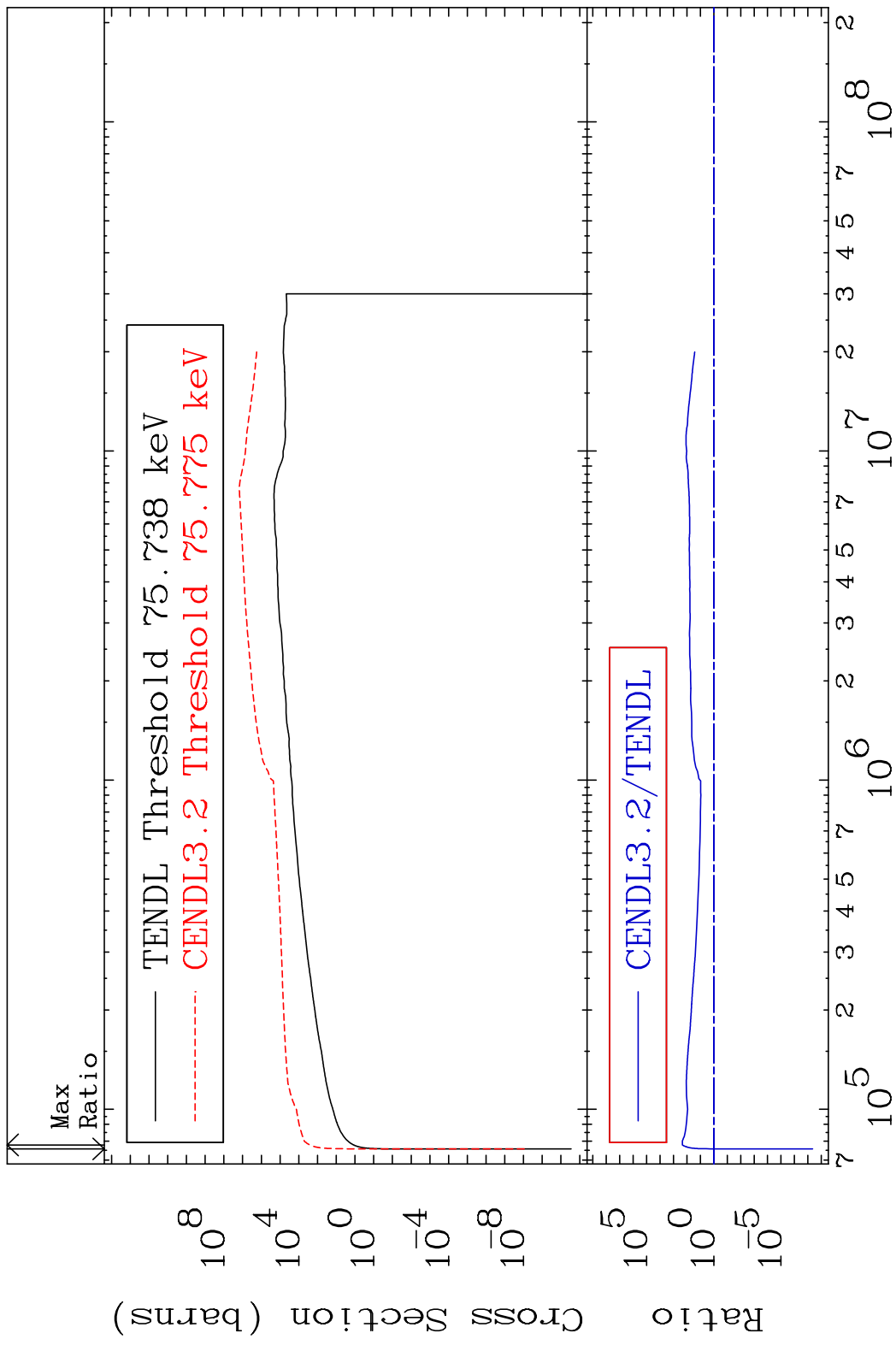
Incident Energy (eV)

64-Gd-160

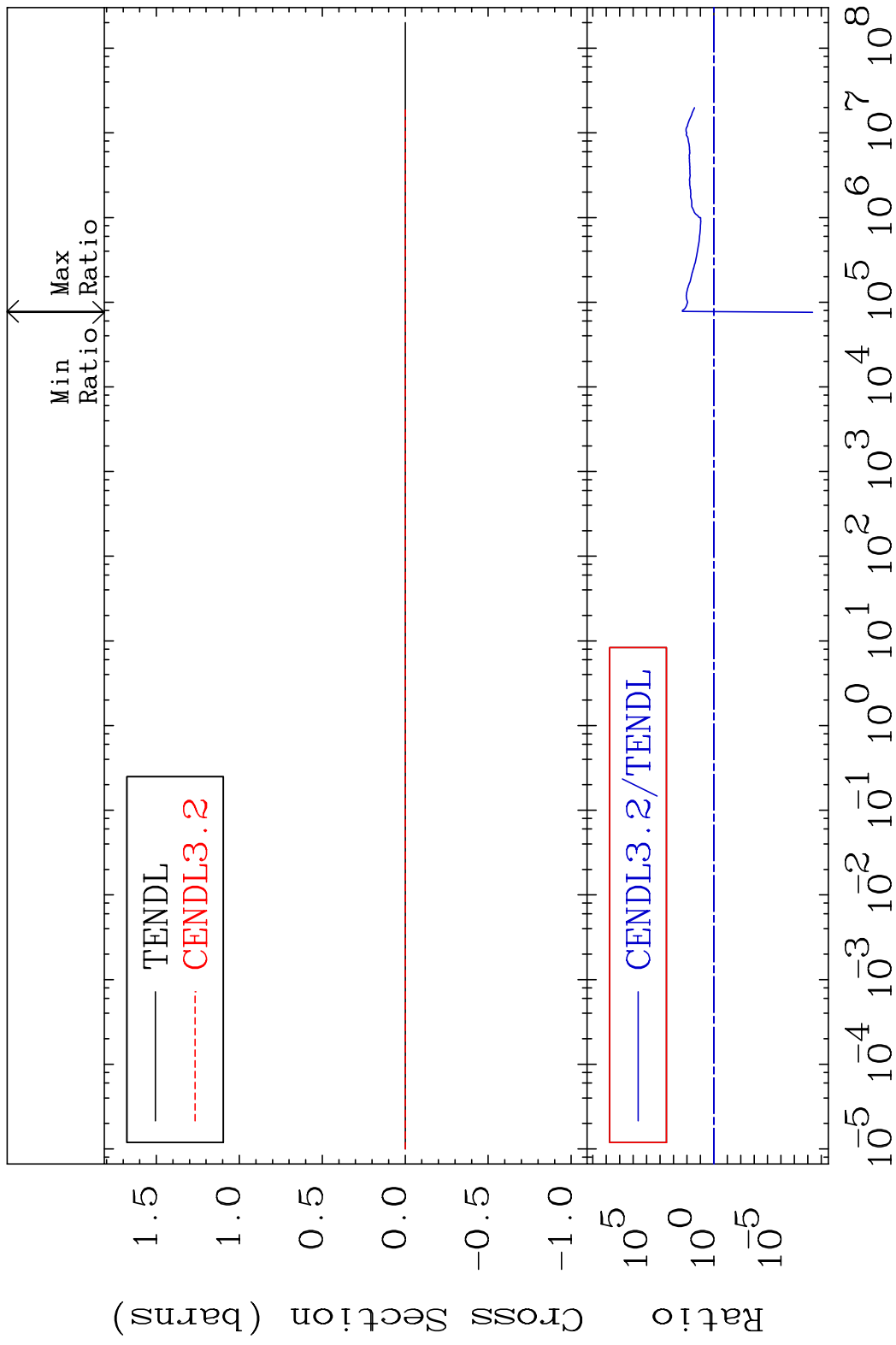
MAT 6449 Kerma non-elastic (all but mt2) 64-Gd-160  
 Cross Section 1312. To 9999. %



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

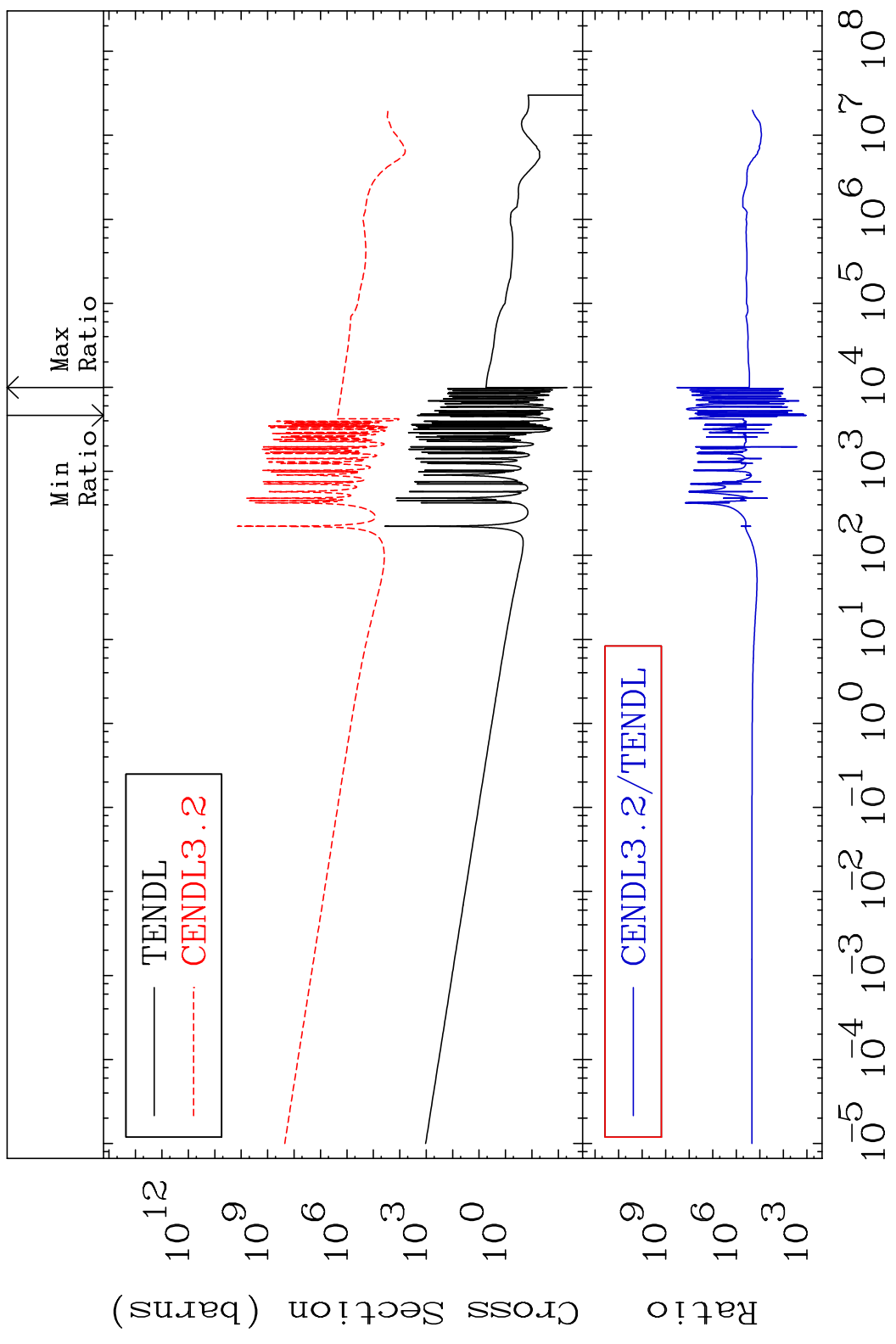


MAT 6449 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-160  
 Cross Section -100.0 To 9999. %



MAT 6449

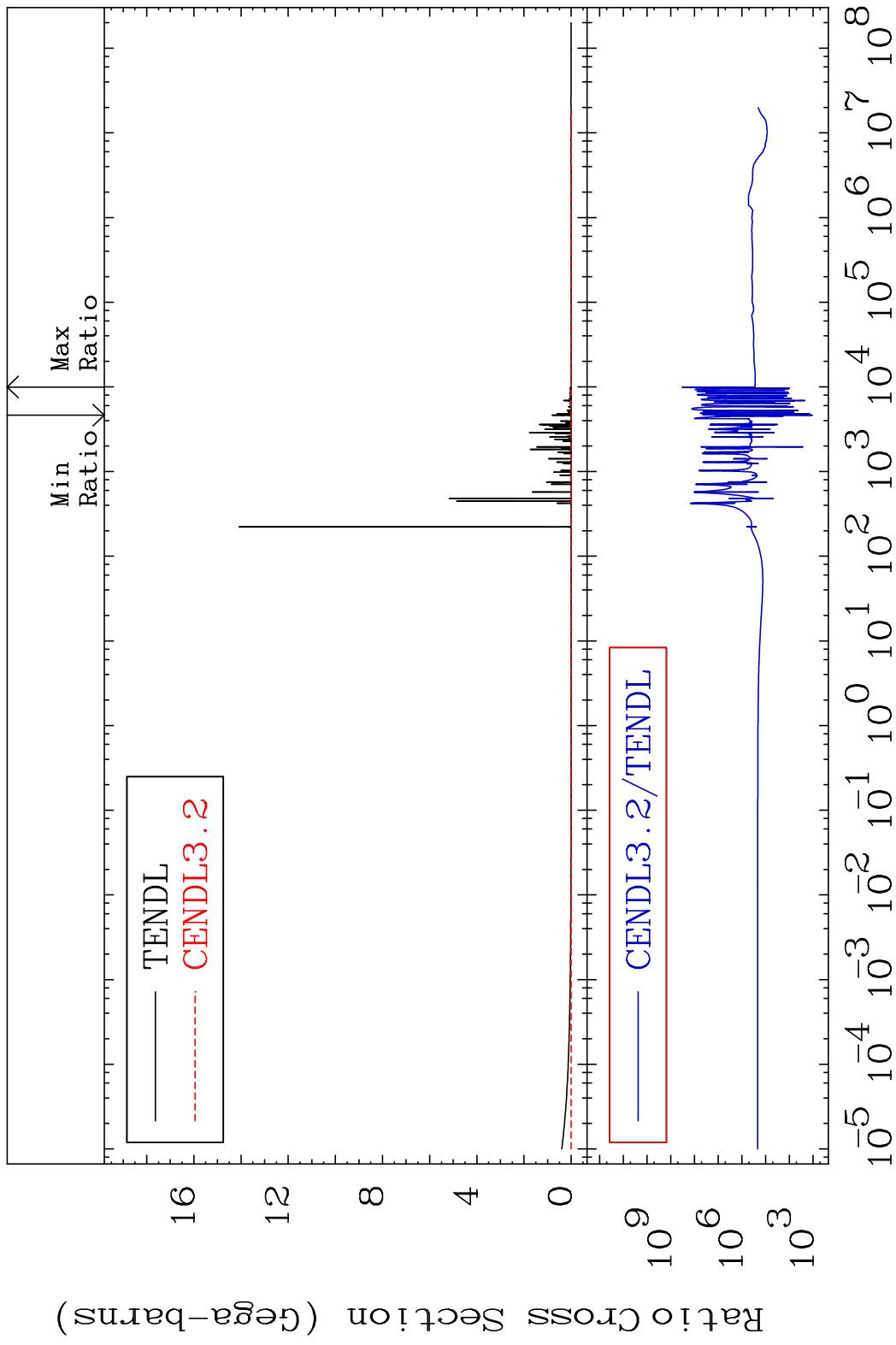
Kerma capture (mt102) 64-Gd-160  
Cross Section 9999. To 9999. %



33

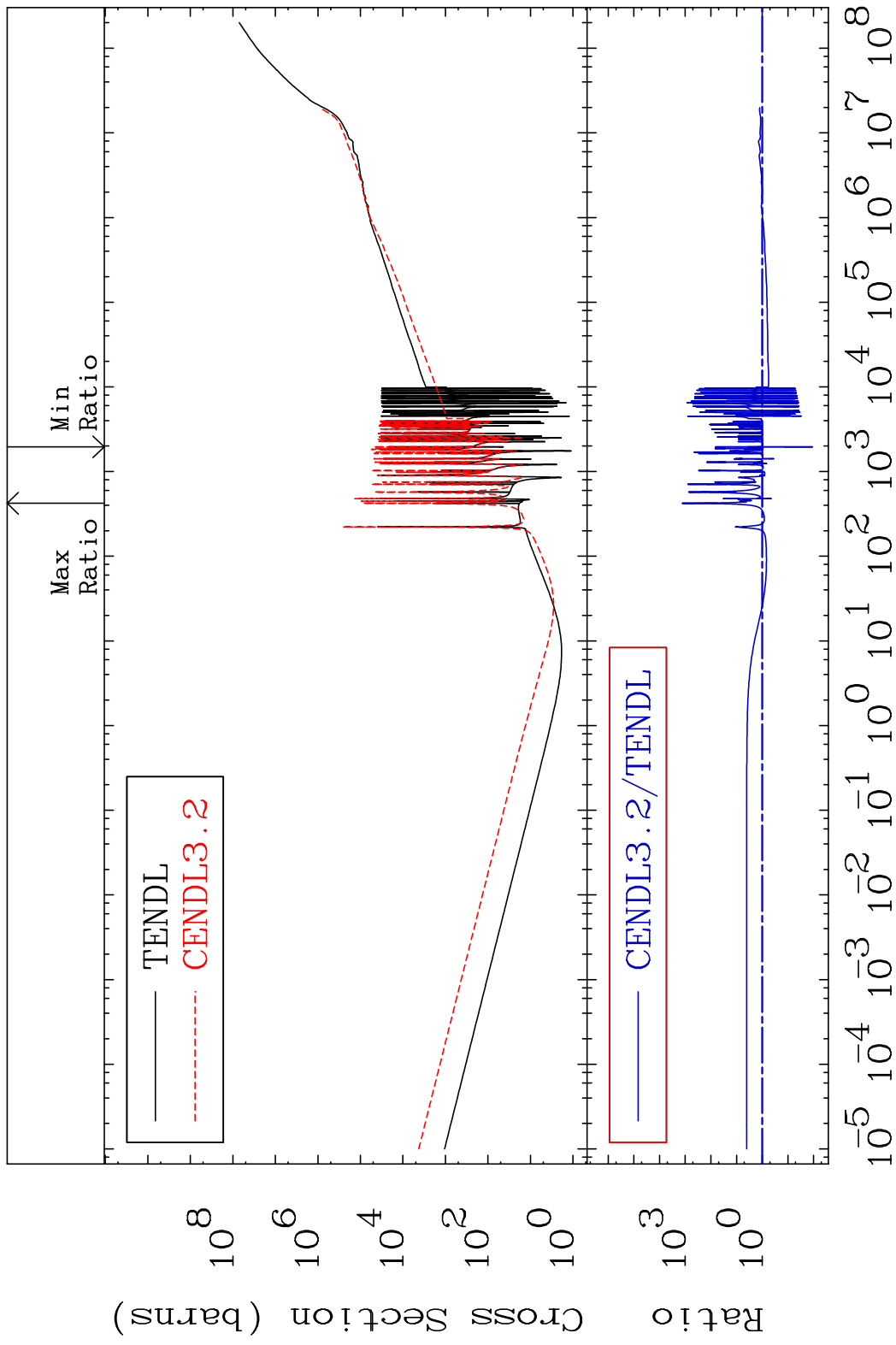
Incident Energy (eV) 64-Gd-160

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

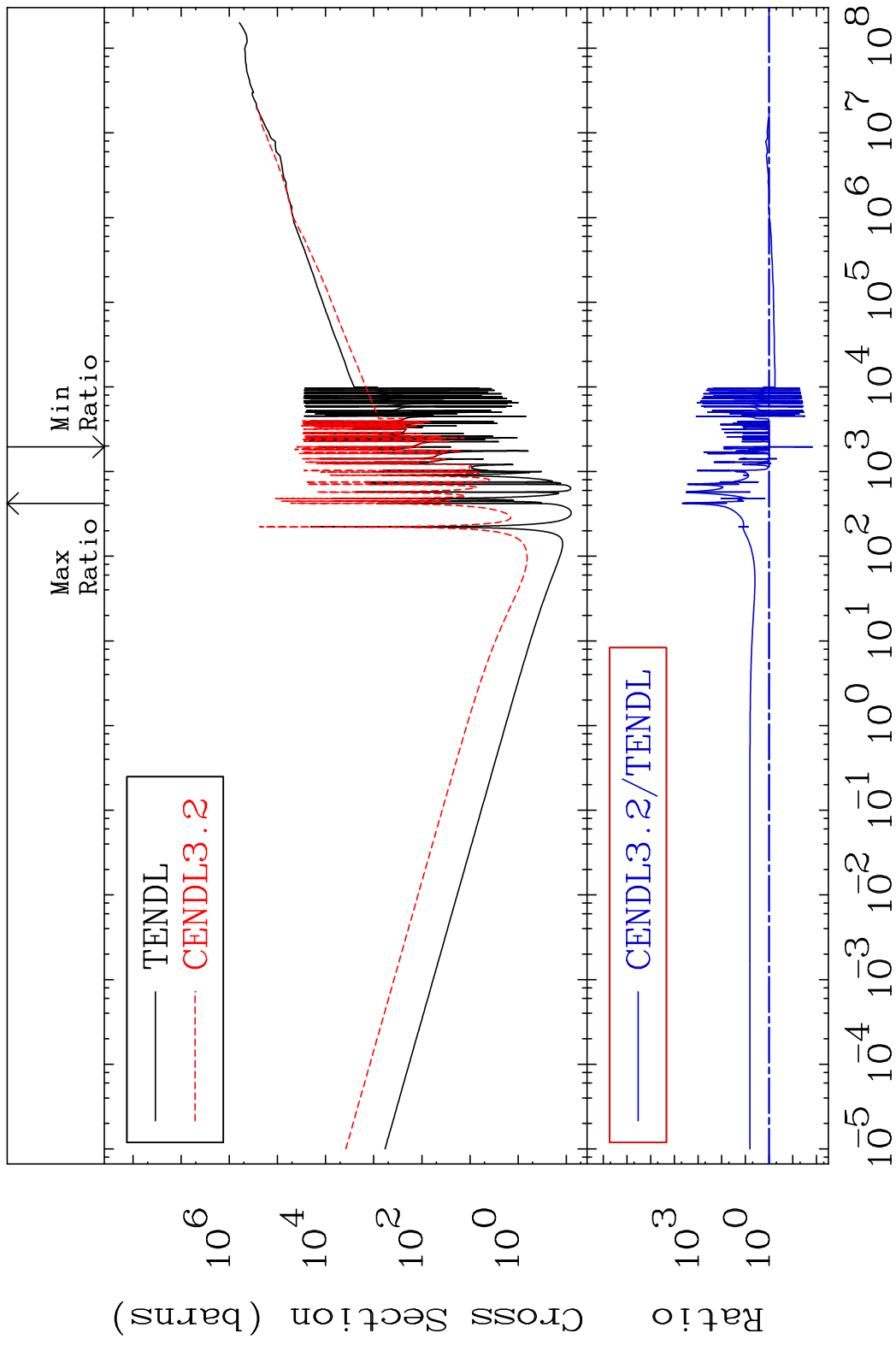


34 Incident Energy (eV) 64-Gd-160

MAT 6449 Total kinematic kerma (high limit) 64-Gd-160  
 Cross Section -98.91 To 9999. %



MAT 6449      Dpa total (eV-barns)      64-Gd-160  
 Cross Section      -98.52 To 9999. %

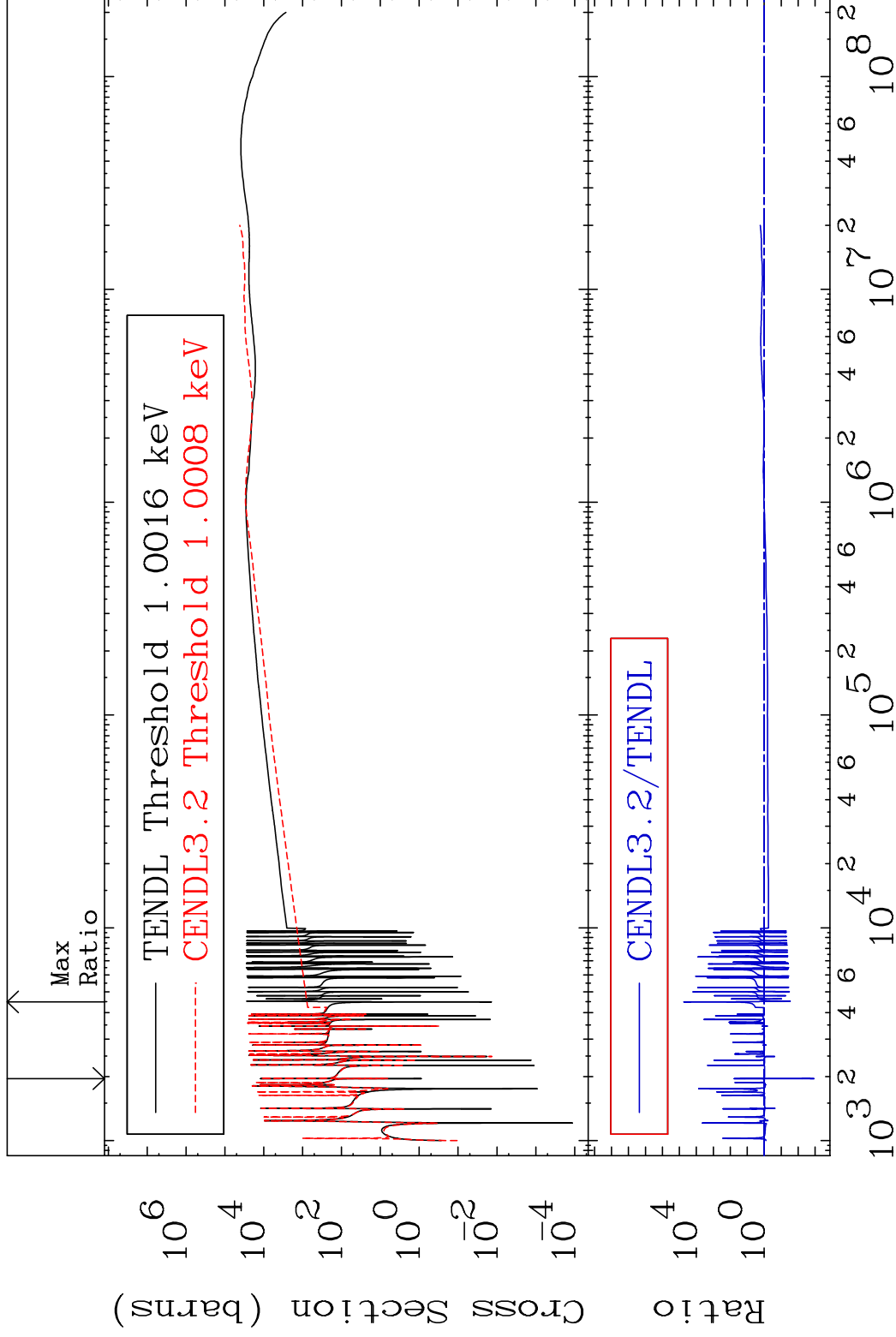


MAT 6449

Dpa elastic (mt2)

64-Gd-160

Cross Section -99.89 To 9999. %

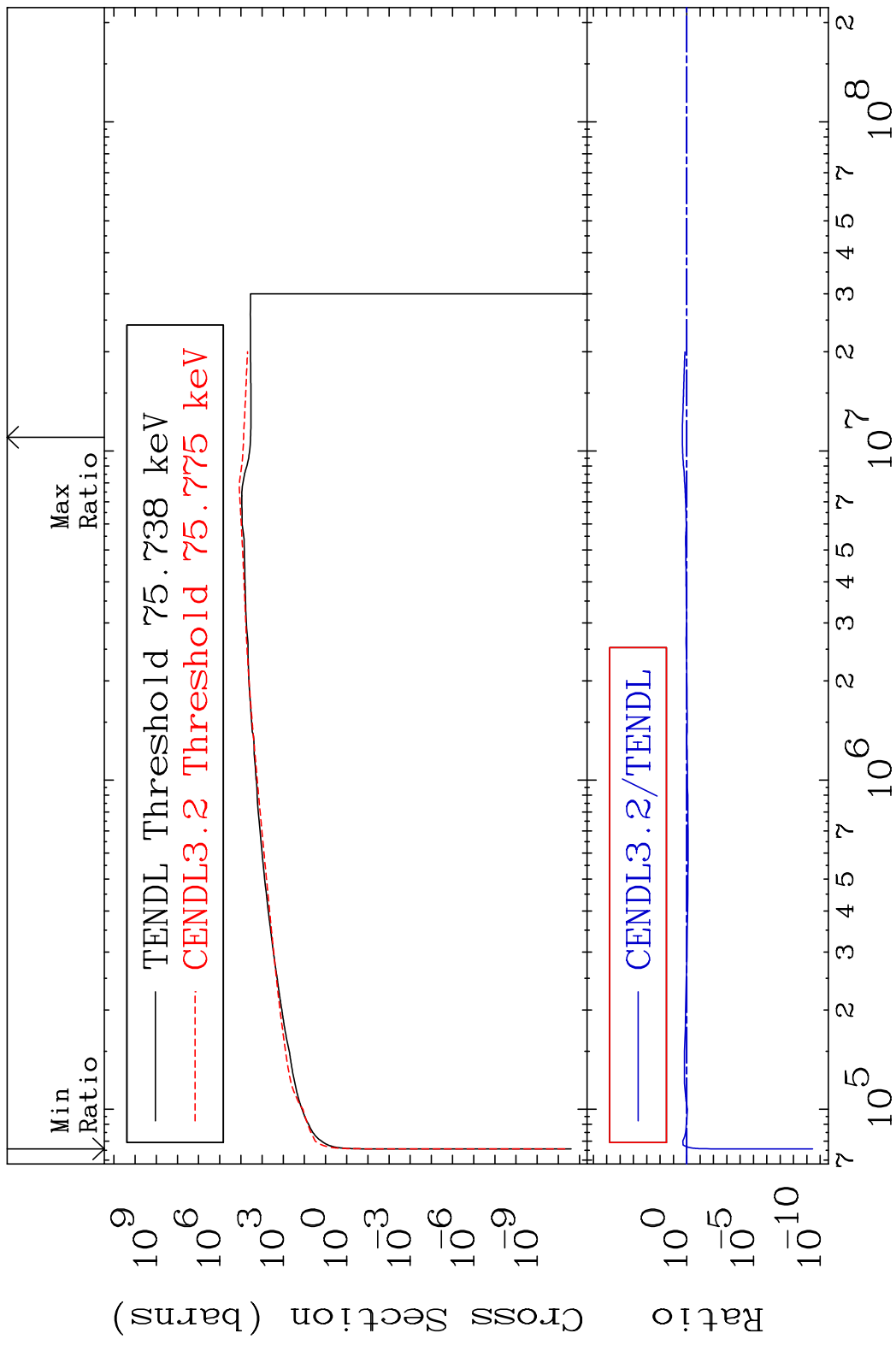


37

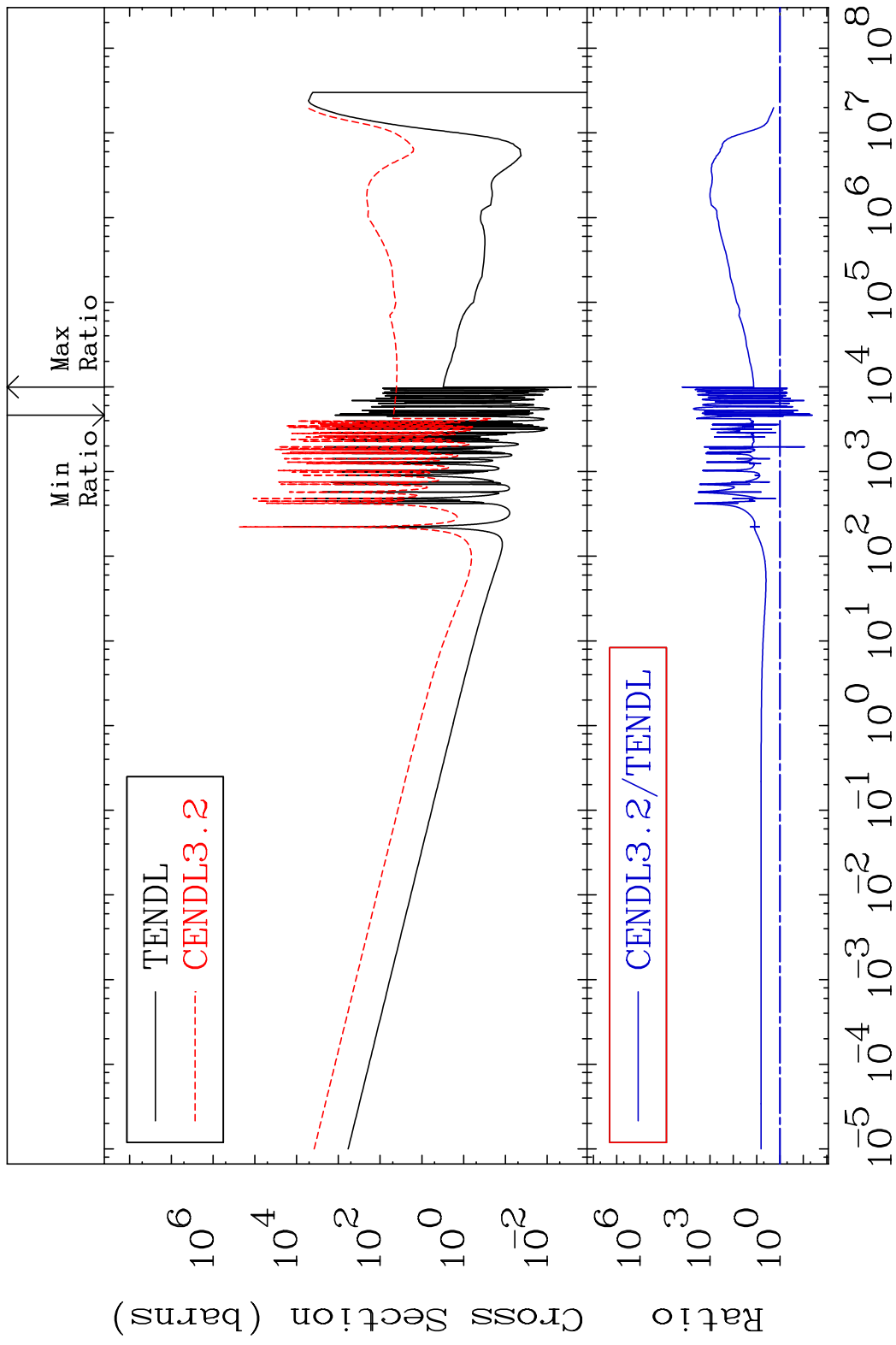
Incident Energy (eV)

64-Gd-160

MAT 6449 Dpa inelastic (mt51-91) 64-Gd-160  
 Cross Section -100.0 To 114.7 %



MAT 6449 Dpa disappearance (mt102 -120) 64-Gd-160  
 Cross Section -95.98 To 9999. %

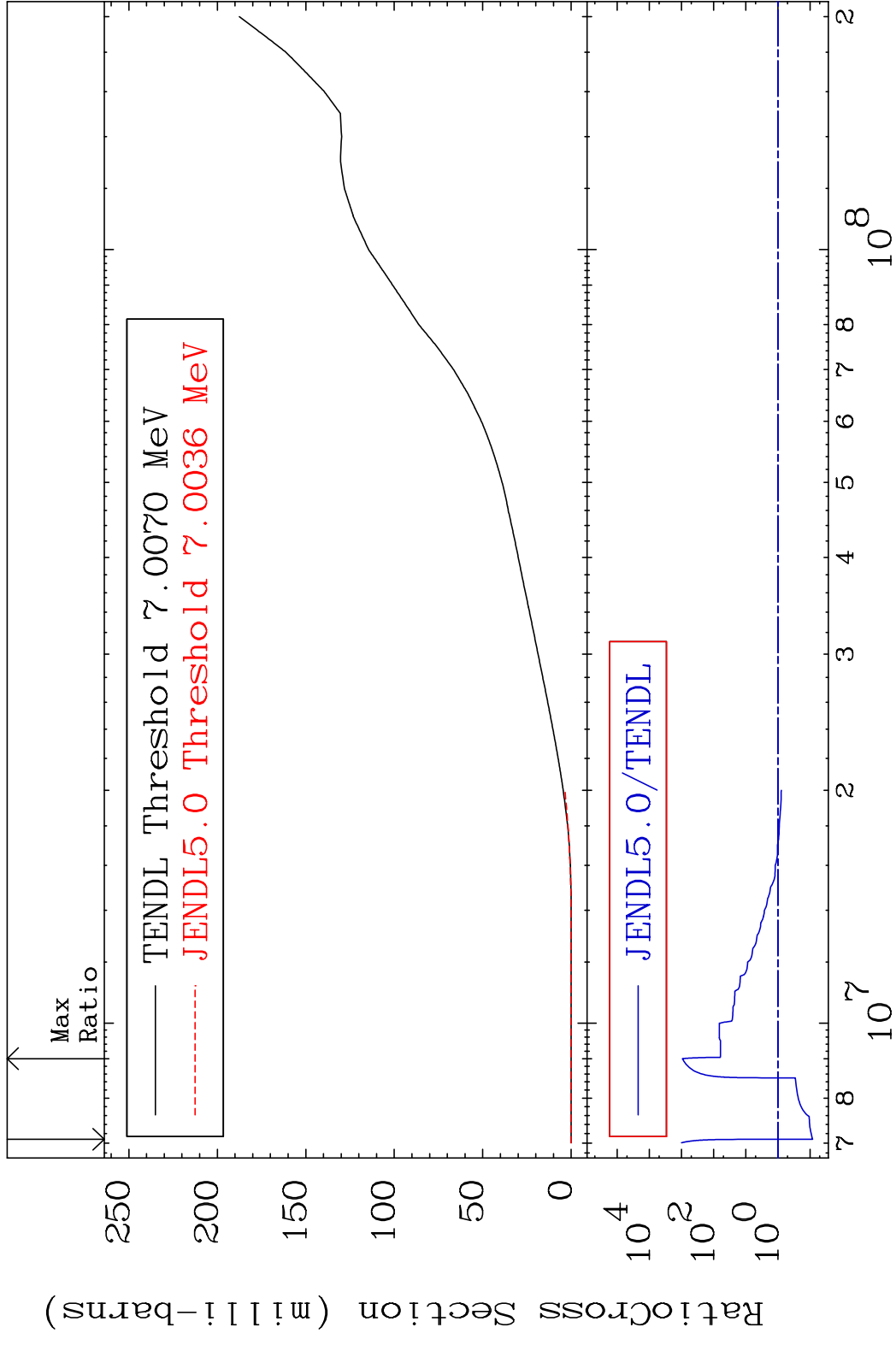


MAT 6449

Deuterium Production

64-Gd-160

Cross Section -91.62 To 9999. %

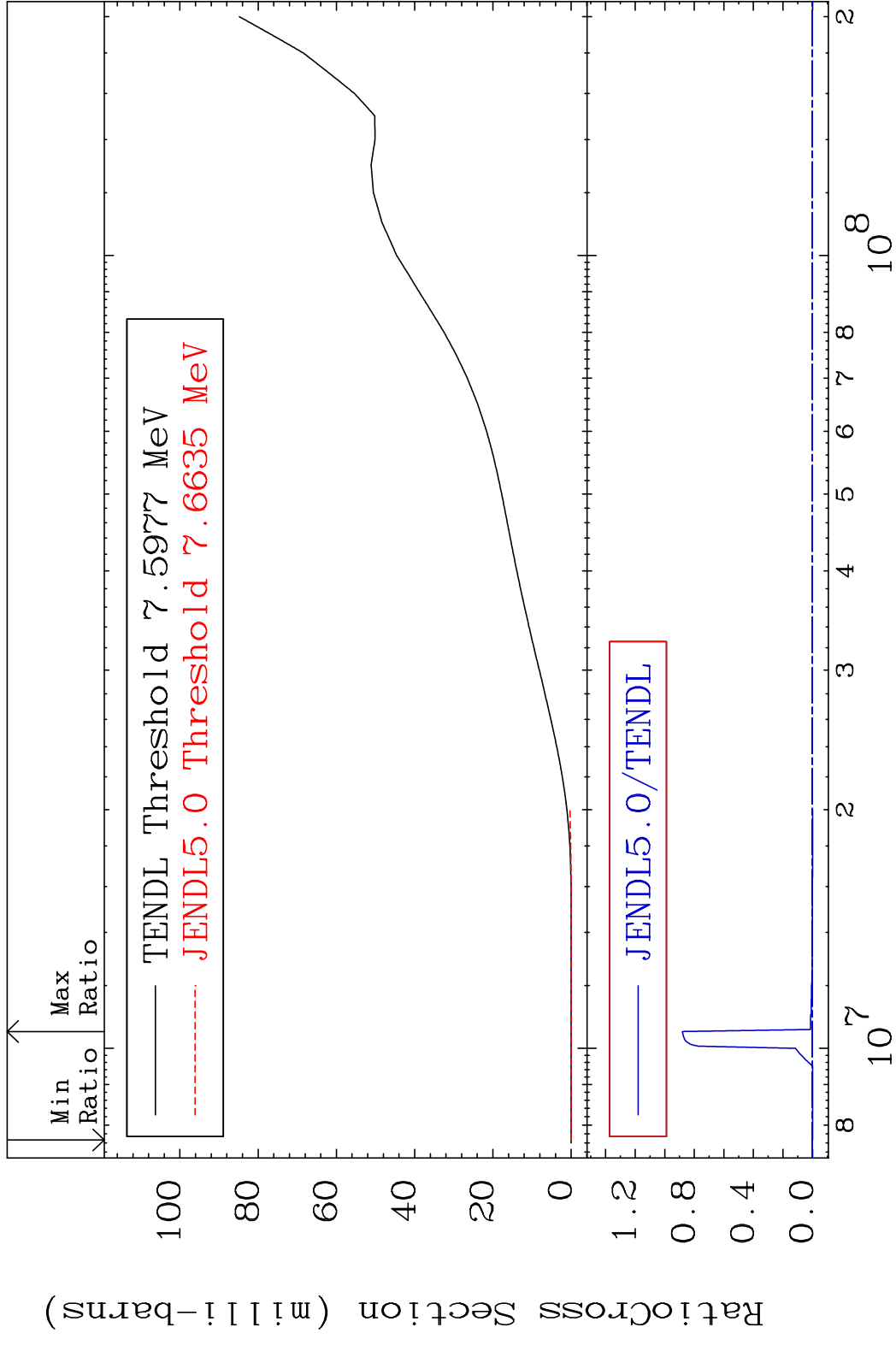


40

Incident Energy (eV)

64-Gd-160

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

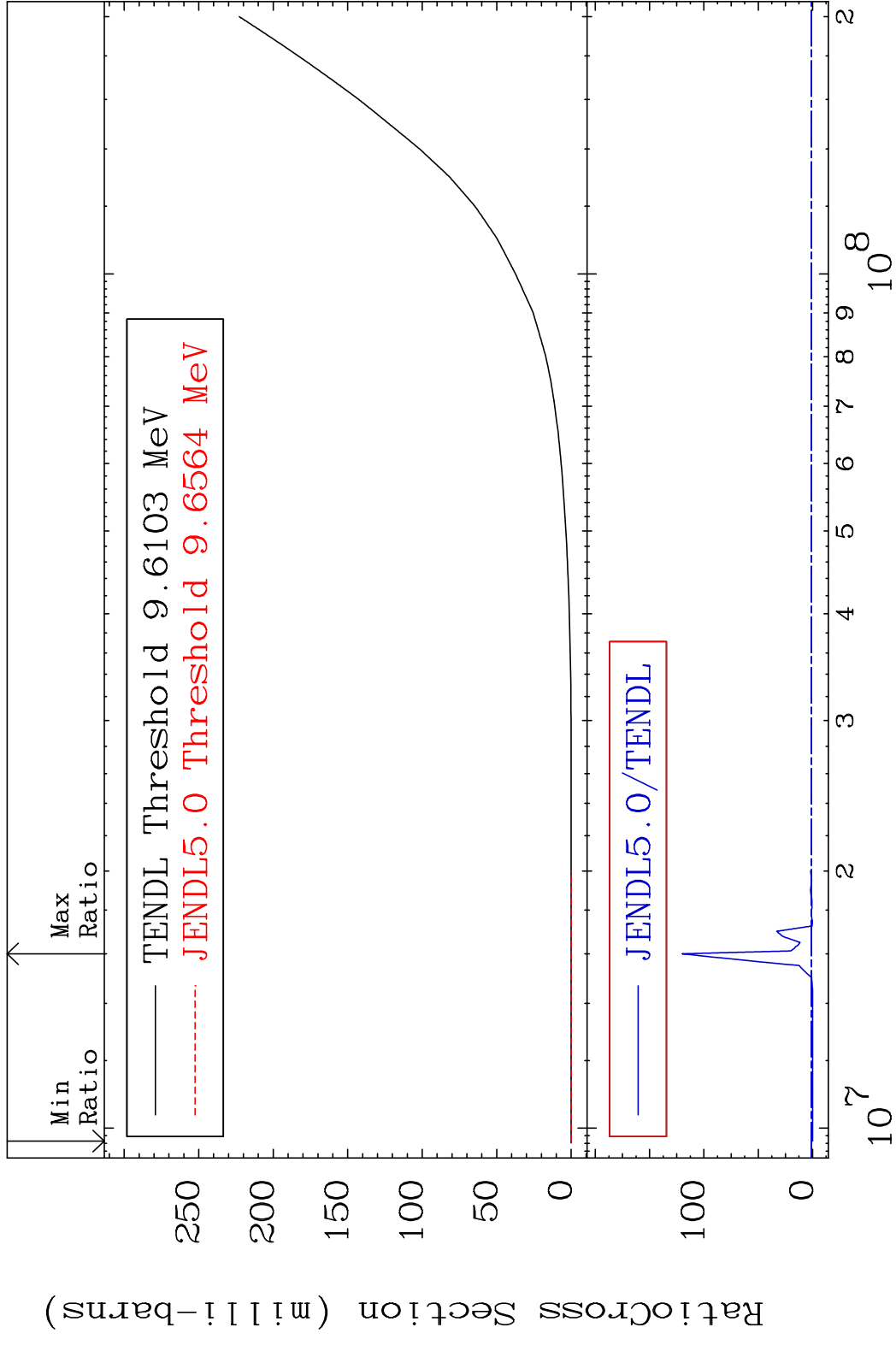


MAT 6449

He-3 Production

64-Gd-160

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

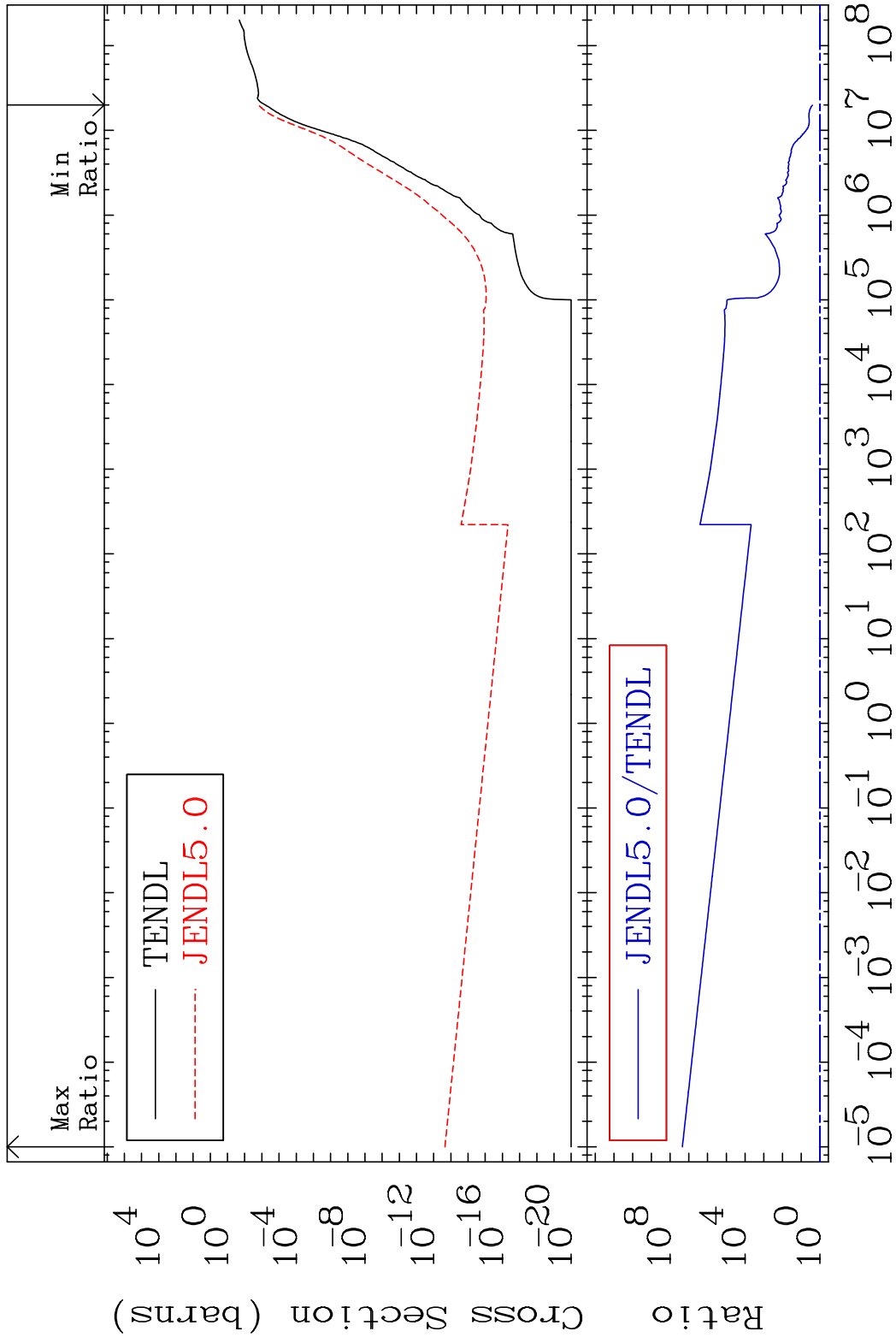
64-Gd-160

MAT 6449

He-4 Production

64-Gd-160

Cross Section 146.7 To 9999. %

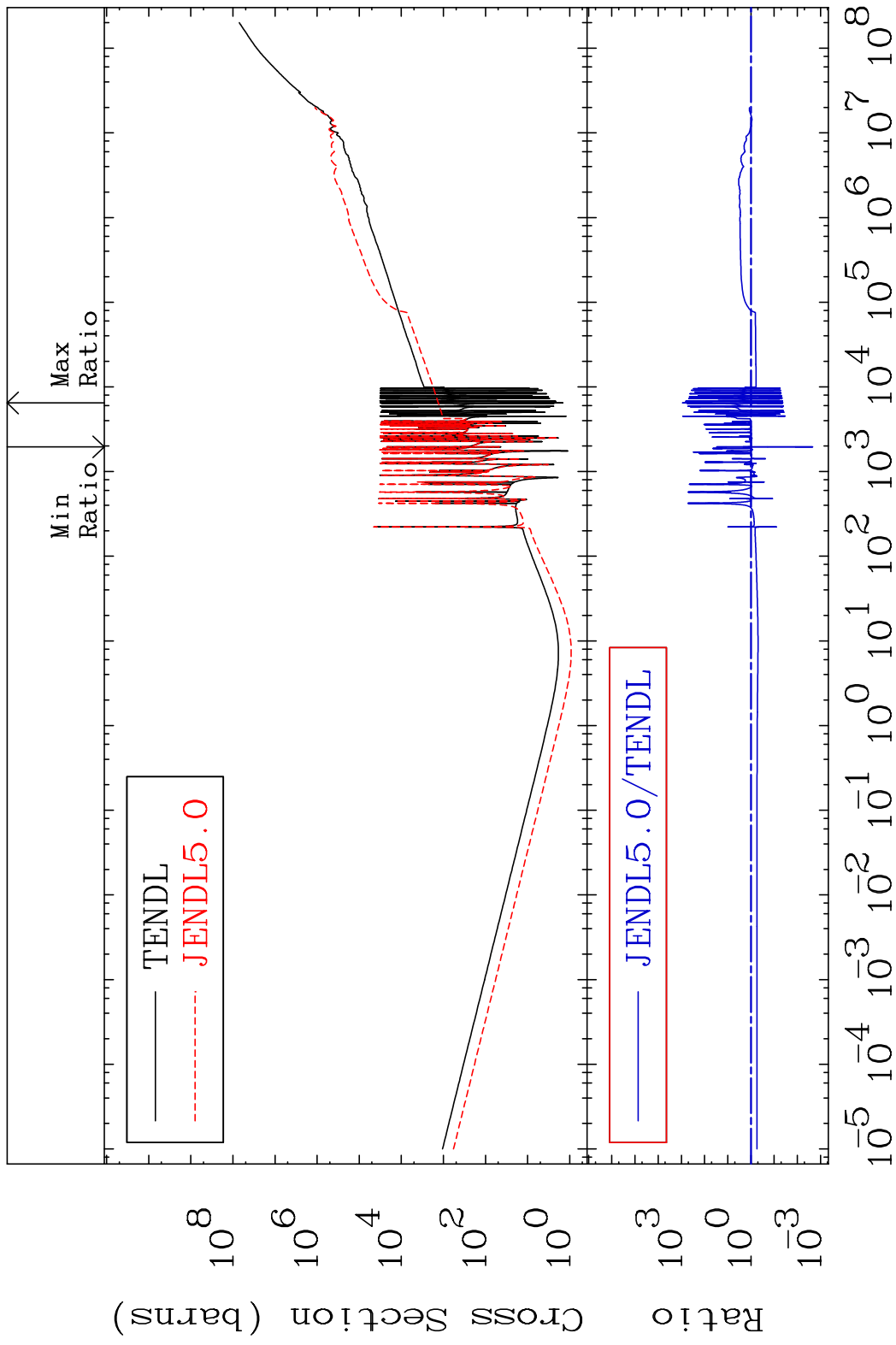


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Incident Energy (eV)

64-Gd-160

MAT 6449 Kerma total (eV-barns) 64-Gd-160  
 Cross Section -99.78 To 9999. %

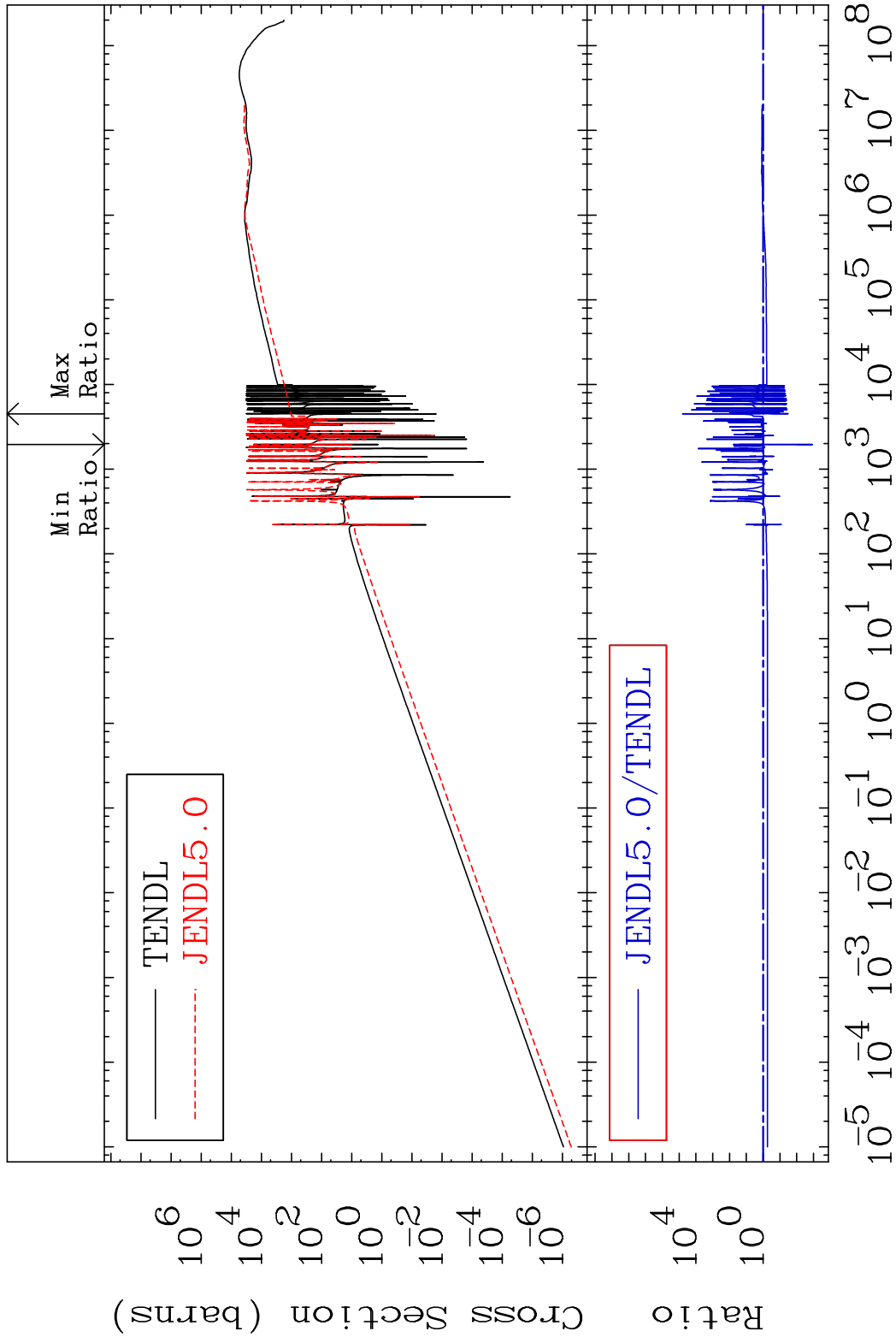


MAT 6449

Kerma elastic

64-Gd-160

Cross Section -99.89 To 9999. %

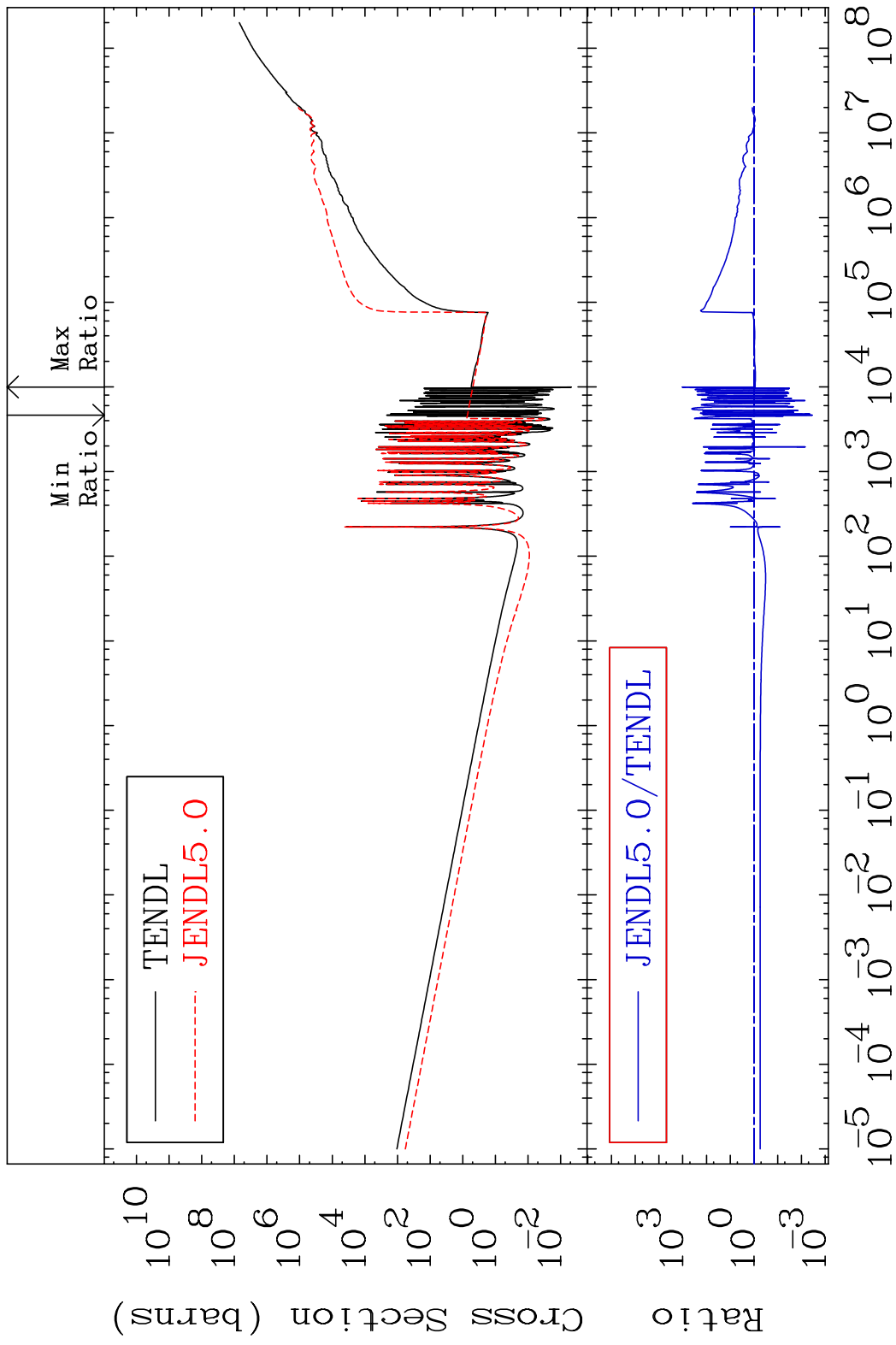


45

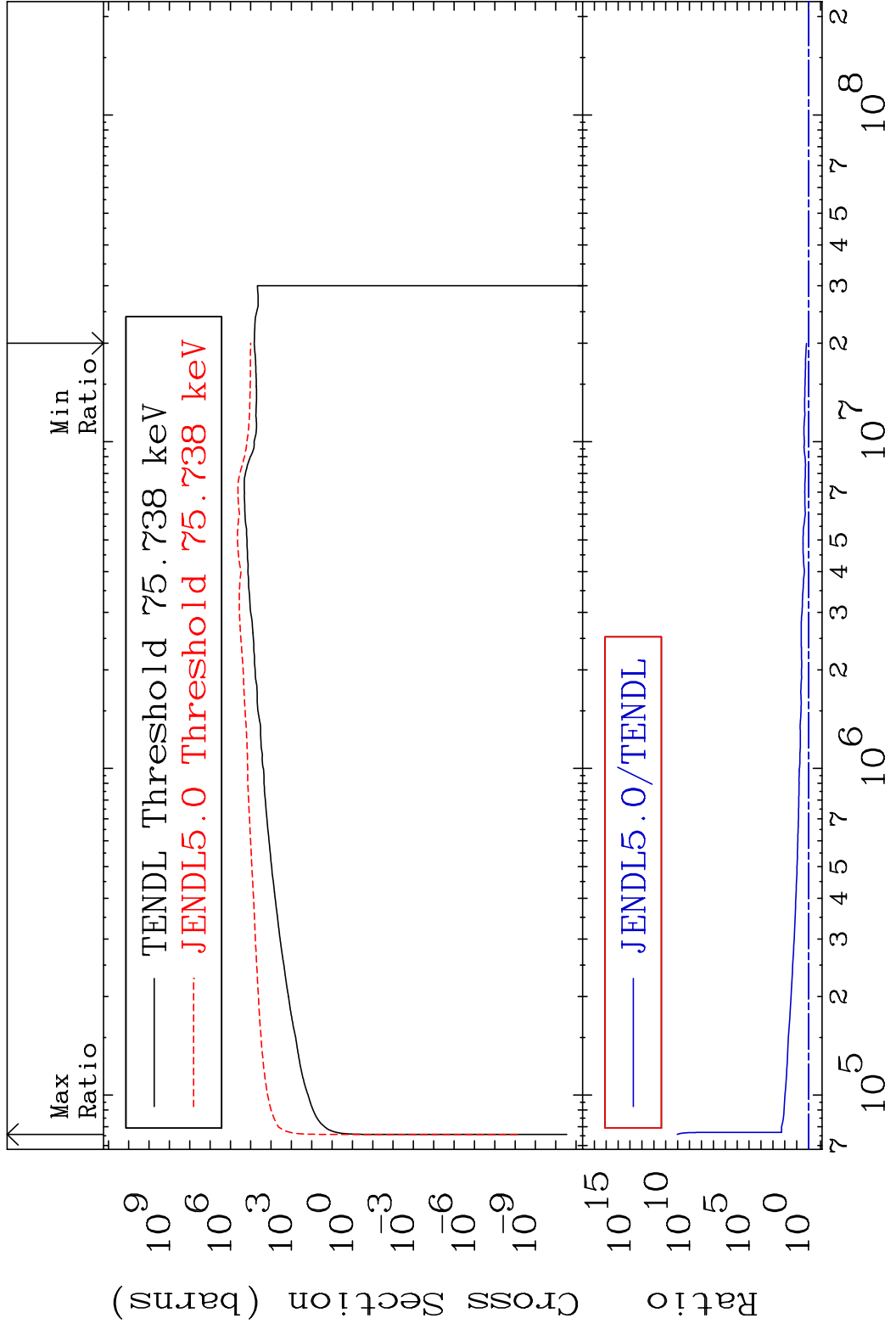
Incident Energy (eV)

64-Gd-160

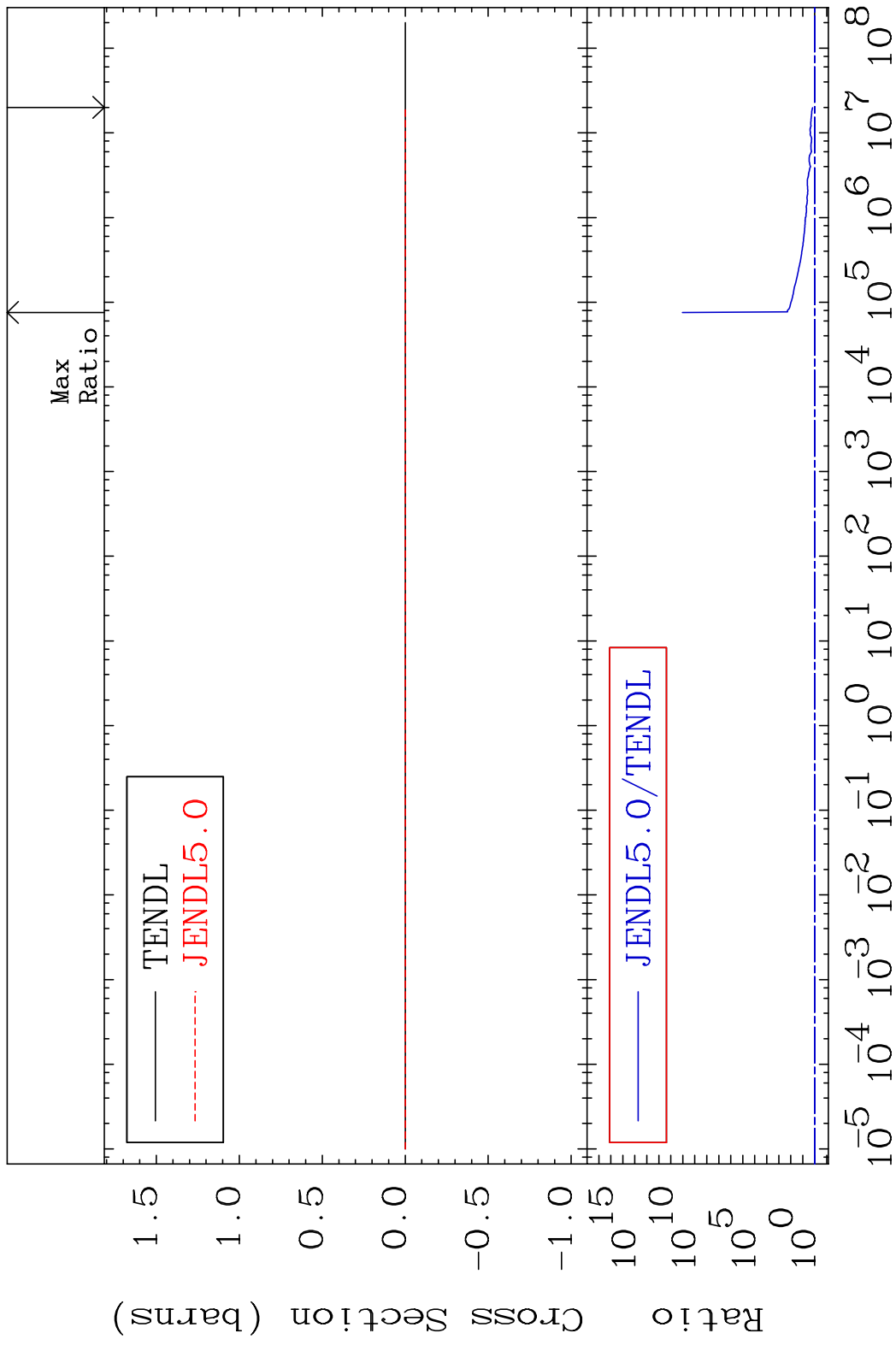
MAT 6449 Kerma non-elastic (all but mt2) 64-Gd-160  
 Cross Section -99.66 To 9999. %



MAT 6449 Kerma inelastic (mt51-91) 64-Gd-160  
 Cross Section 52.01 To 9999. %

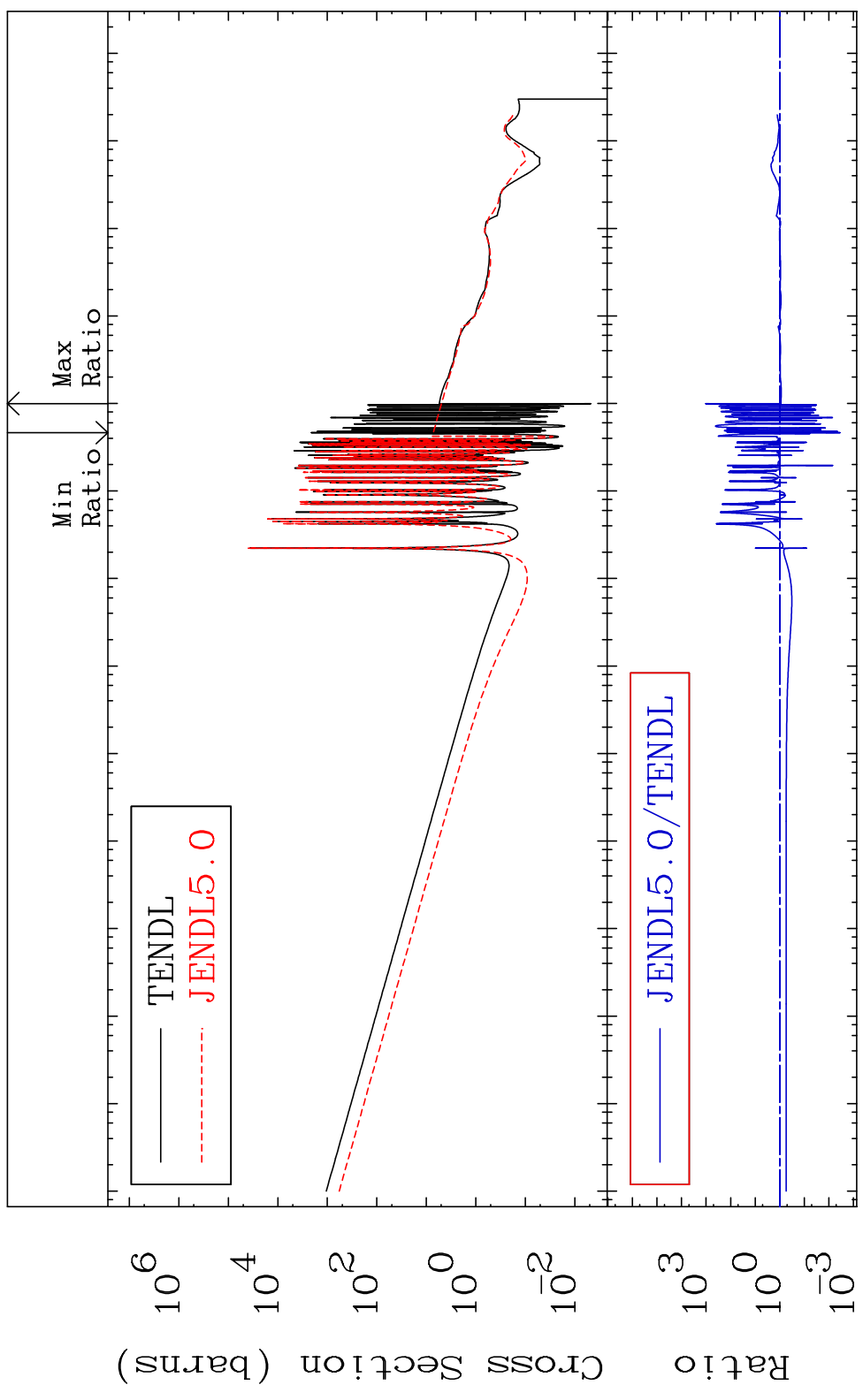


MAT 6449 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-160  
 Cross Section 52.01 To 9999. %



MAT 6449

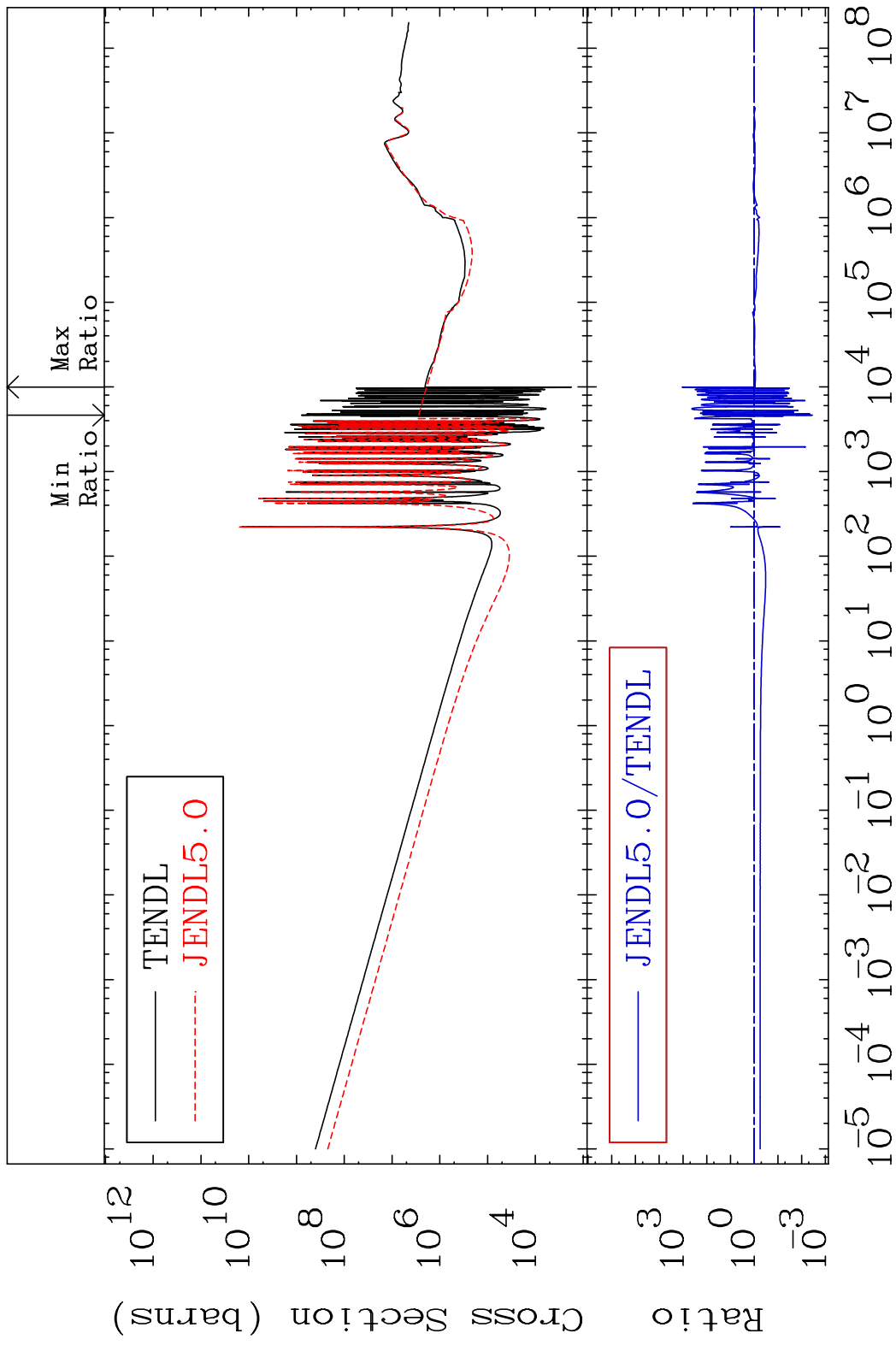
Kerma capture (mt102) 64-Gd-160  
Cross Section -99.66 To 9999. %



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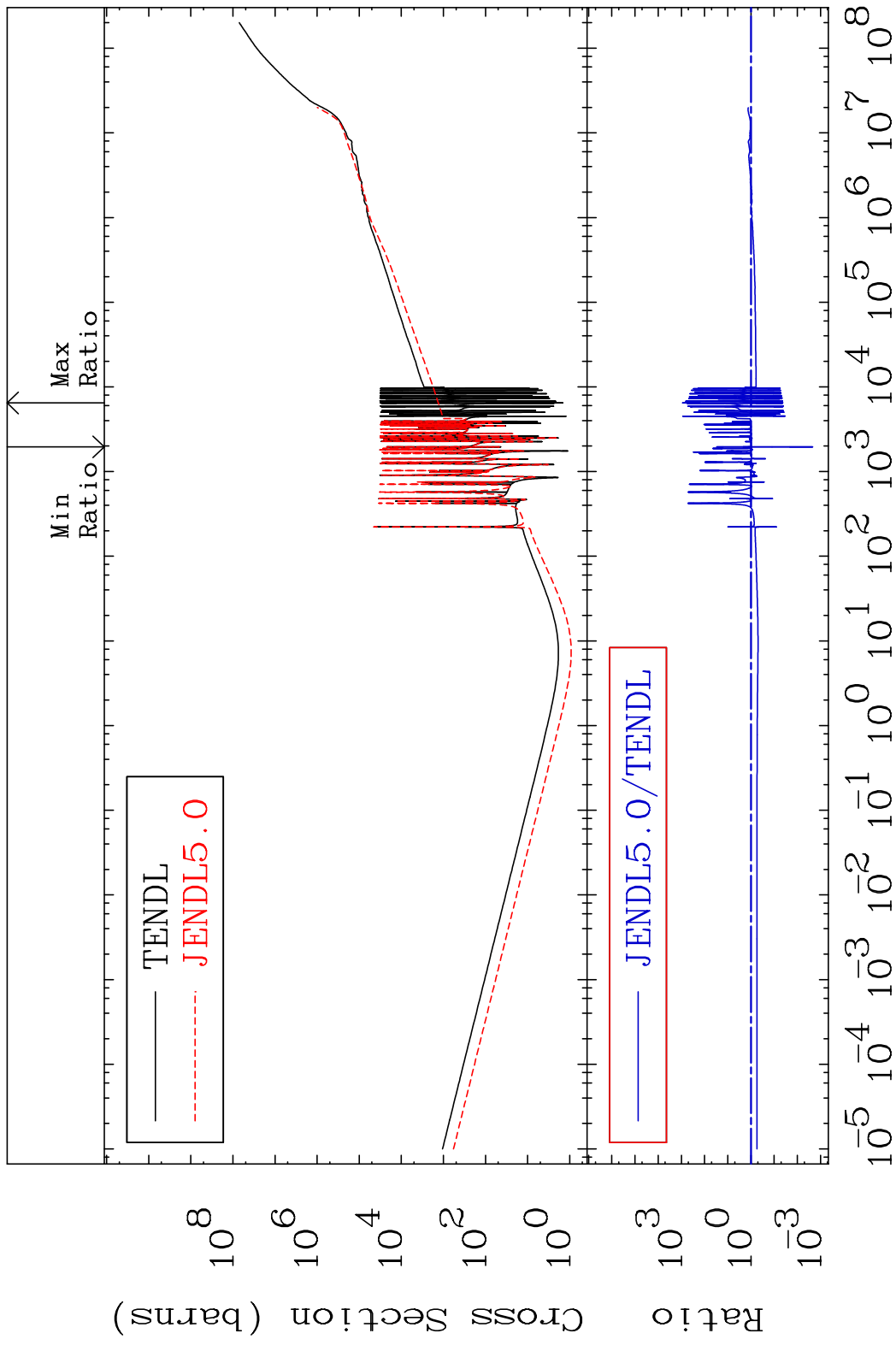
Incident Energy (eV) 64-Gd-160

MAT 6449 Total photon (eV-barns) 64-Gd-160  
 Cross Section -99.65 To 9999. %

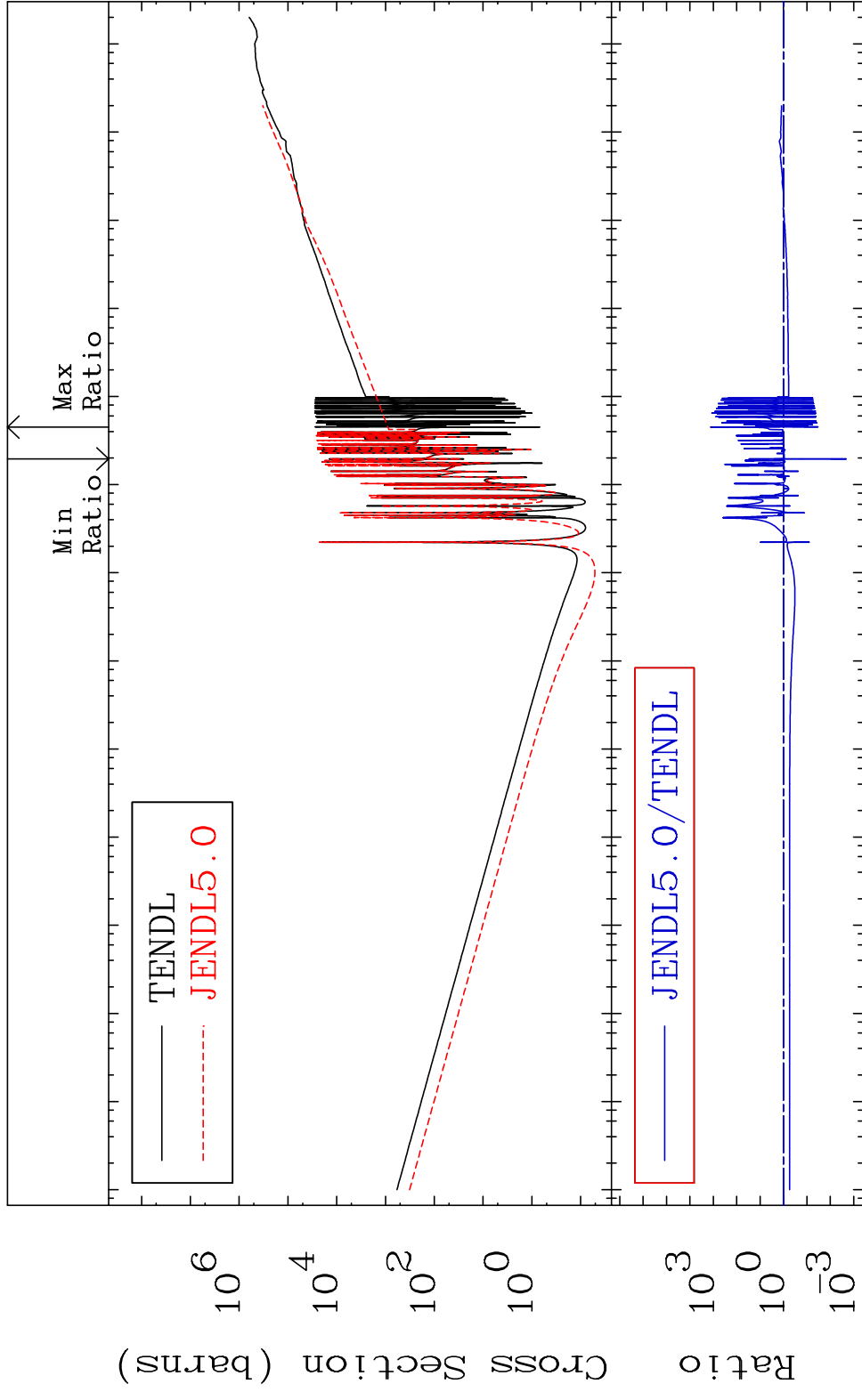


50 Incident Energy (eV) 64-Gd-160

MAT 6449 Total kinematic kerma (high limit) 64-Gd-160  
 Cross Section -99.78 To 9999. %



MAT 6449 Dpa total (eV-barns) 64-Gd-160  
 Cross Section -99.79 To 9999. %

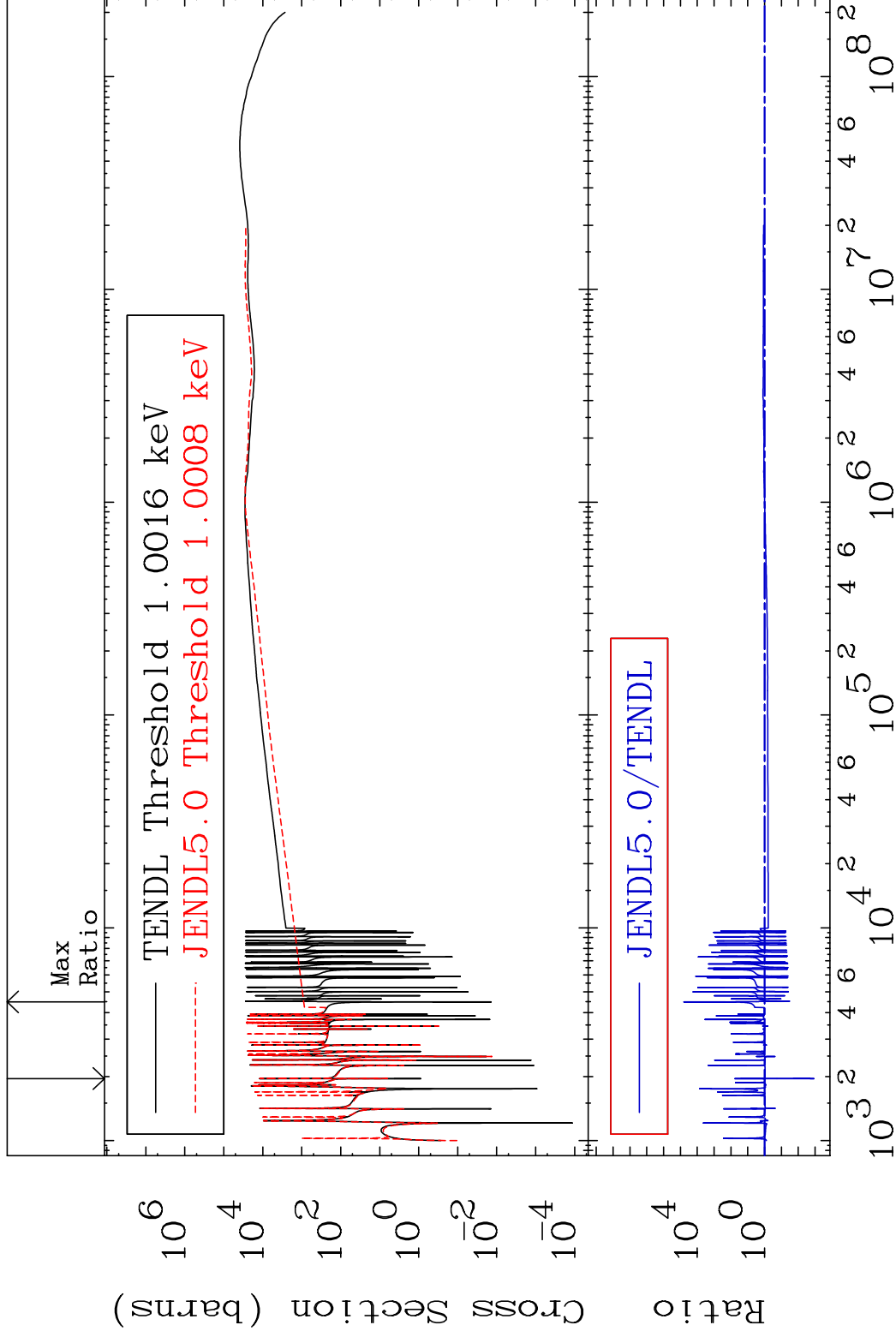


MAT 6449

Dpa elastic (mt2)

64-Gd-160

Cross Section -99.89 To 9999. %

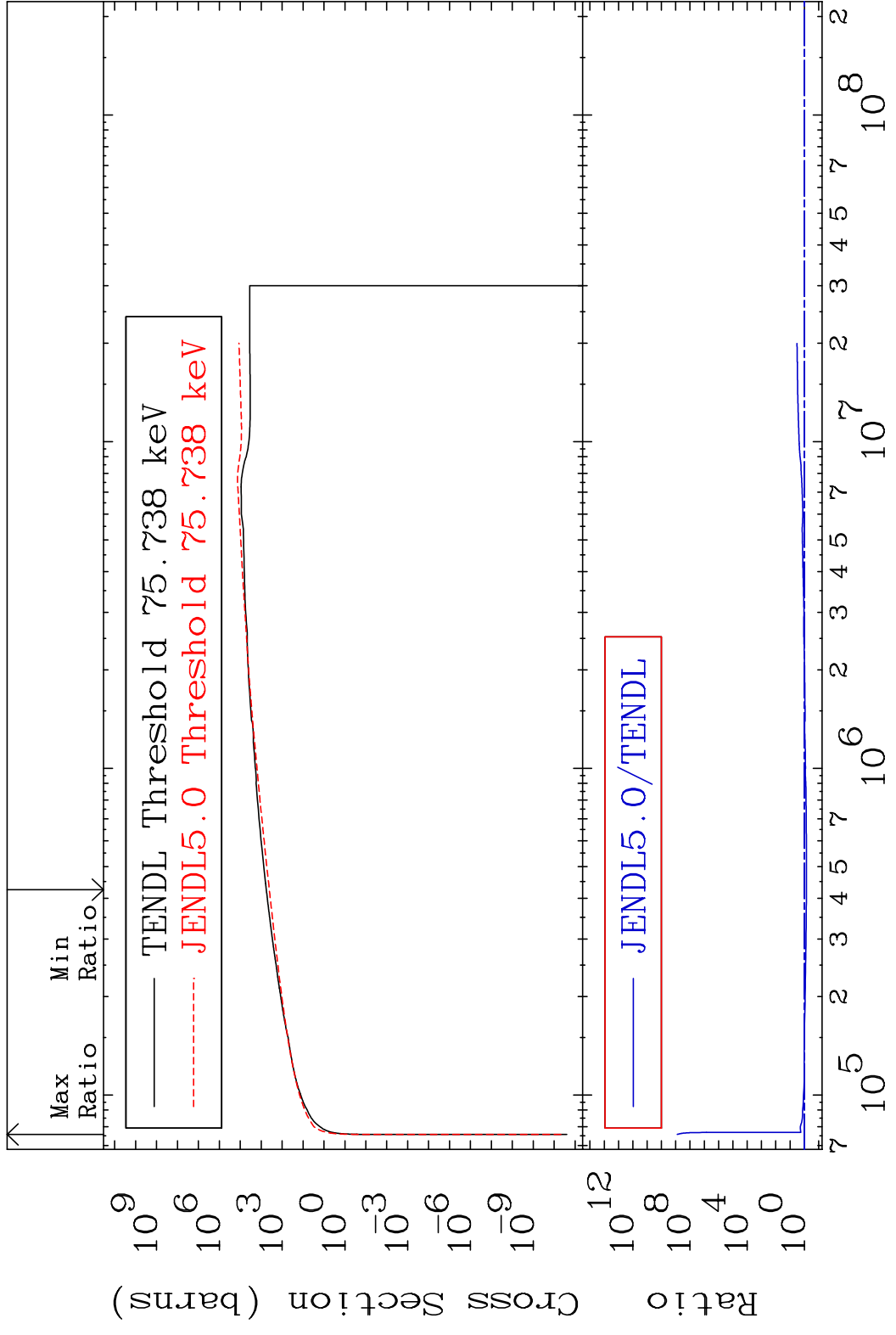


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Incident Energy (eV)

64-Gd-160

MAT 6449 Dpa inelastic (mt51-91) 64-Gd-160  
 Cross Section -28.24 To 9999. %



MAT 6449 Dpa disappearance (mt102 -120) 64-Gd-160  
 Cross Section -99.66 To 9999. %

