

Program Complot
(Version 2021-1)

by

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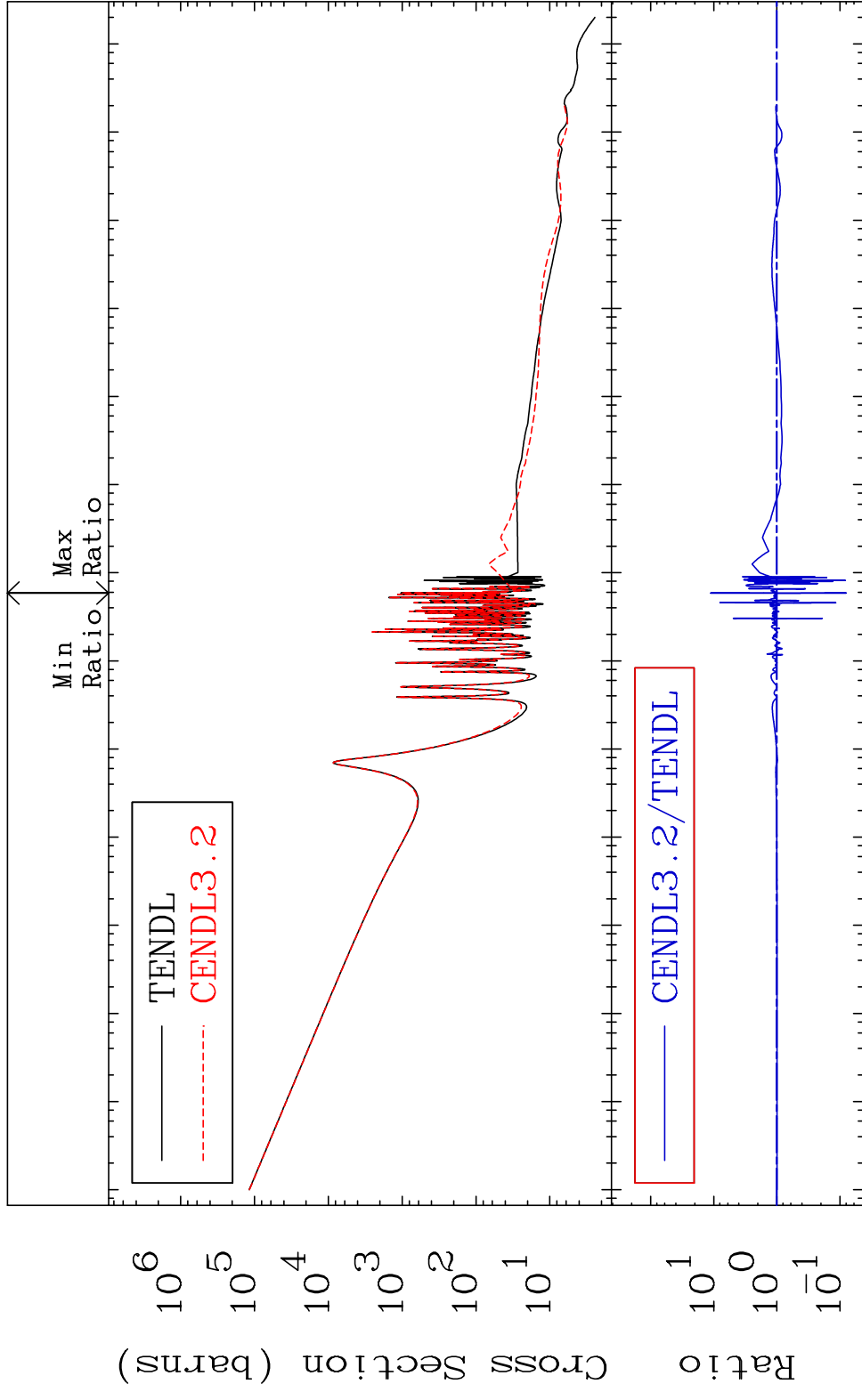
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9852

Total Cross Section -92.06 To 1017. %

98-Cf-249



1

Incident Energy (eV)

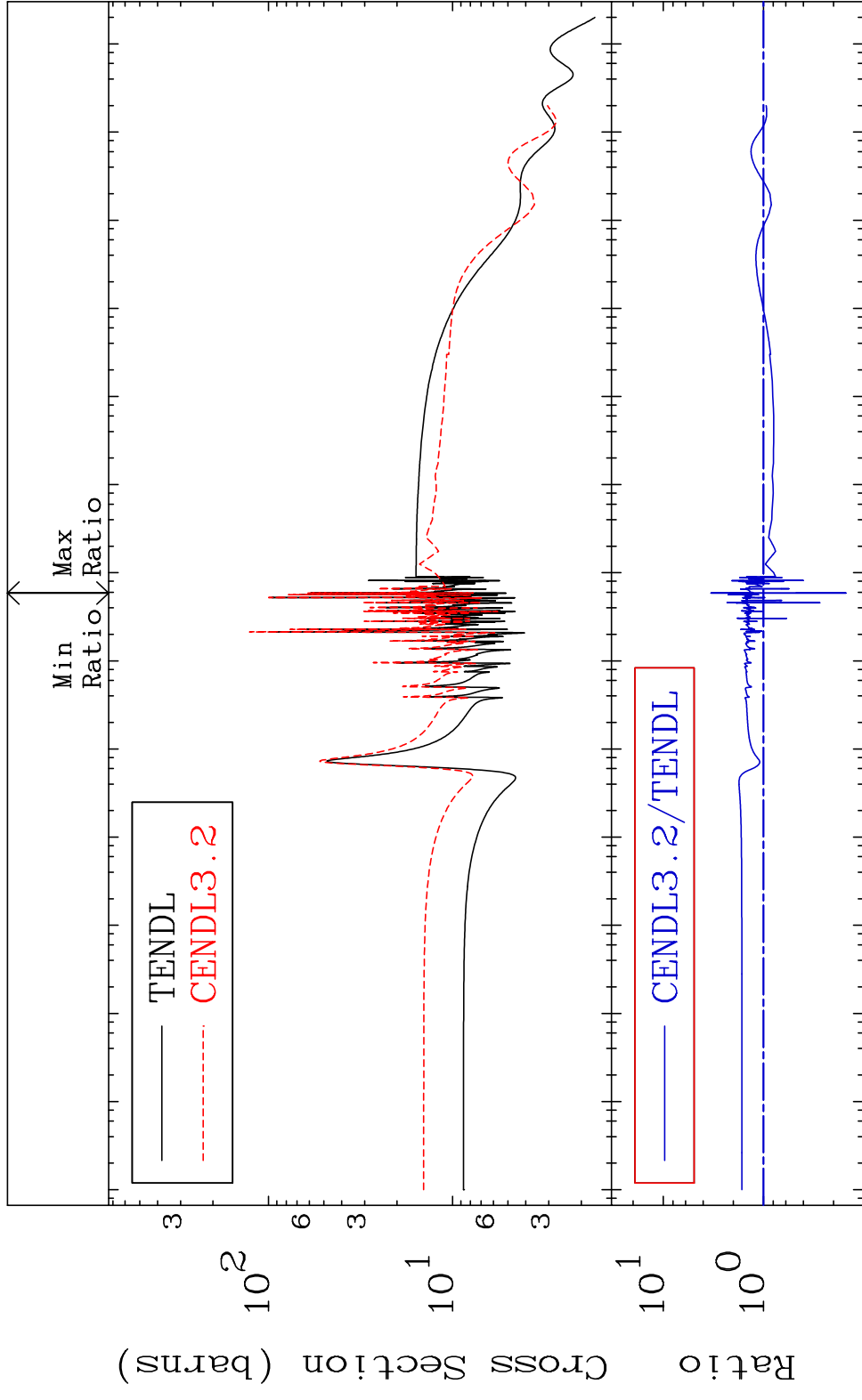
98-Cf-249

MAT 9852

Elastic

98-Cf-249

Cross Section -85.10 To 236.2 %

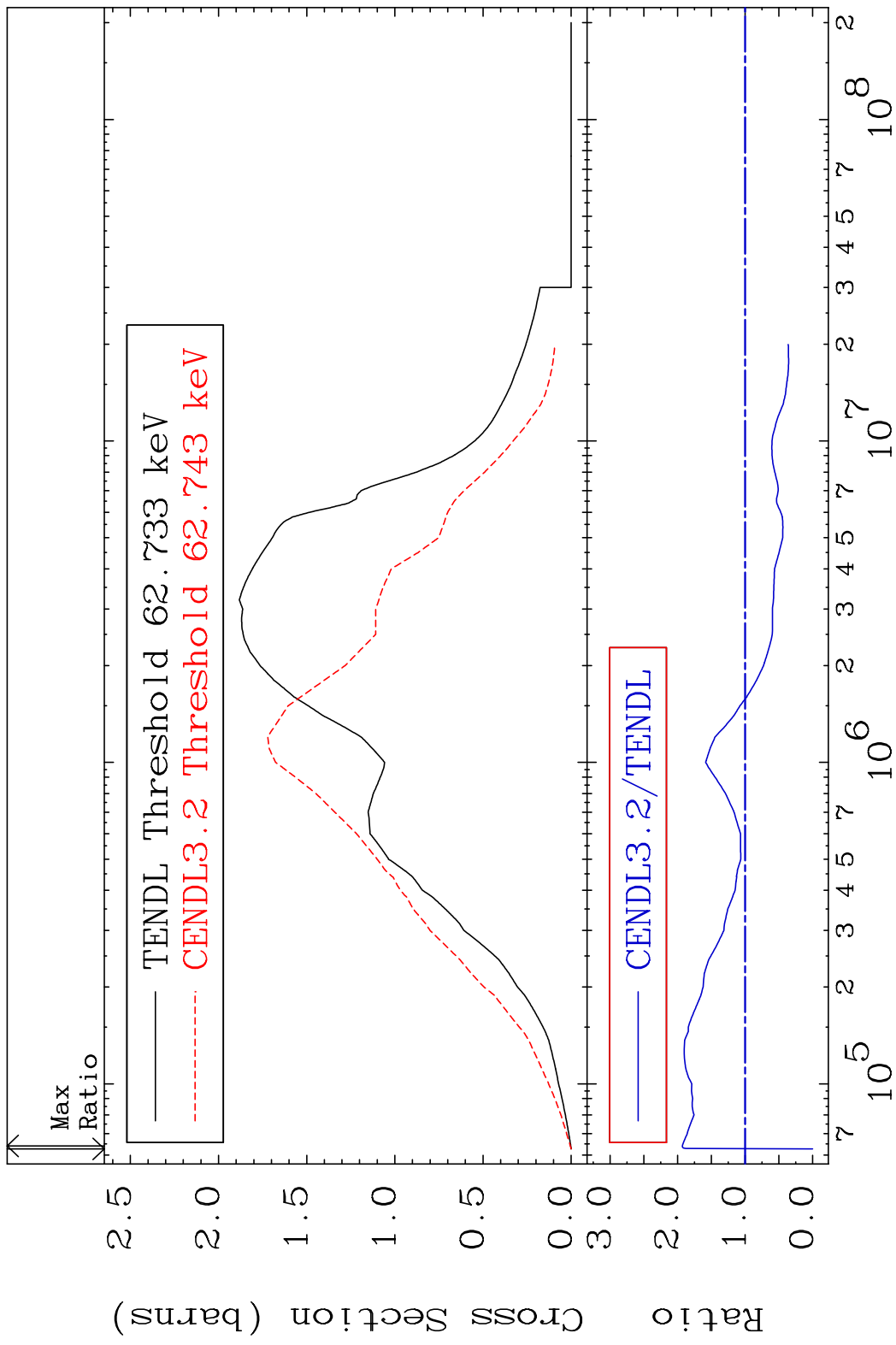


2

Incident Energy (eV)

98-Cf-249

MAT 9852 Inelastic 98-Cf-249
 Cross Section -100.0 To 93.01 %



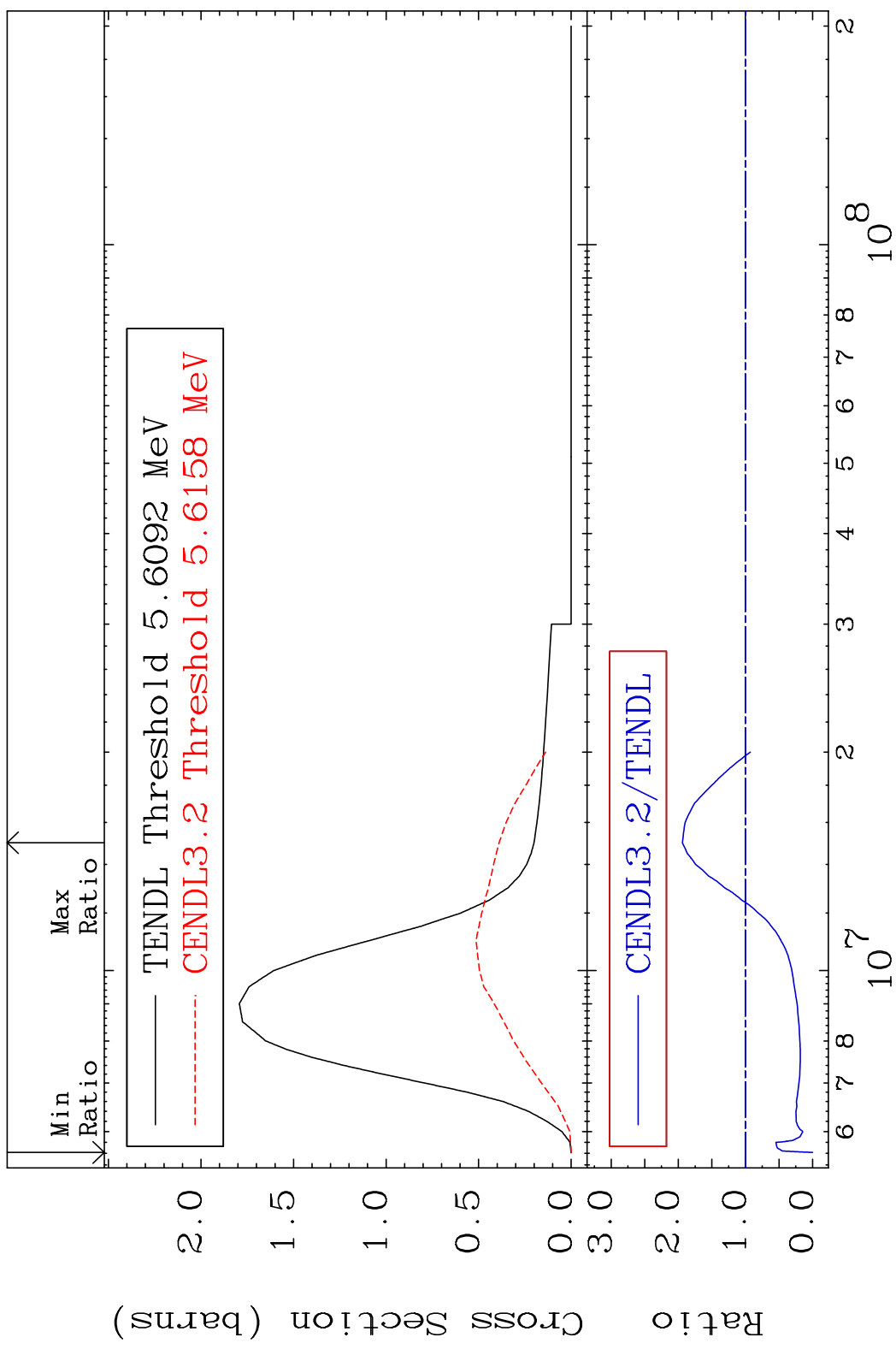
3 Incident Energy (eV) 98-Cf-249

MAT 9852

(n,2n)

98-Cf-249

Cross Section -100.0 To 93.95 %



4

Incident Energy (eV)

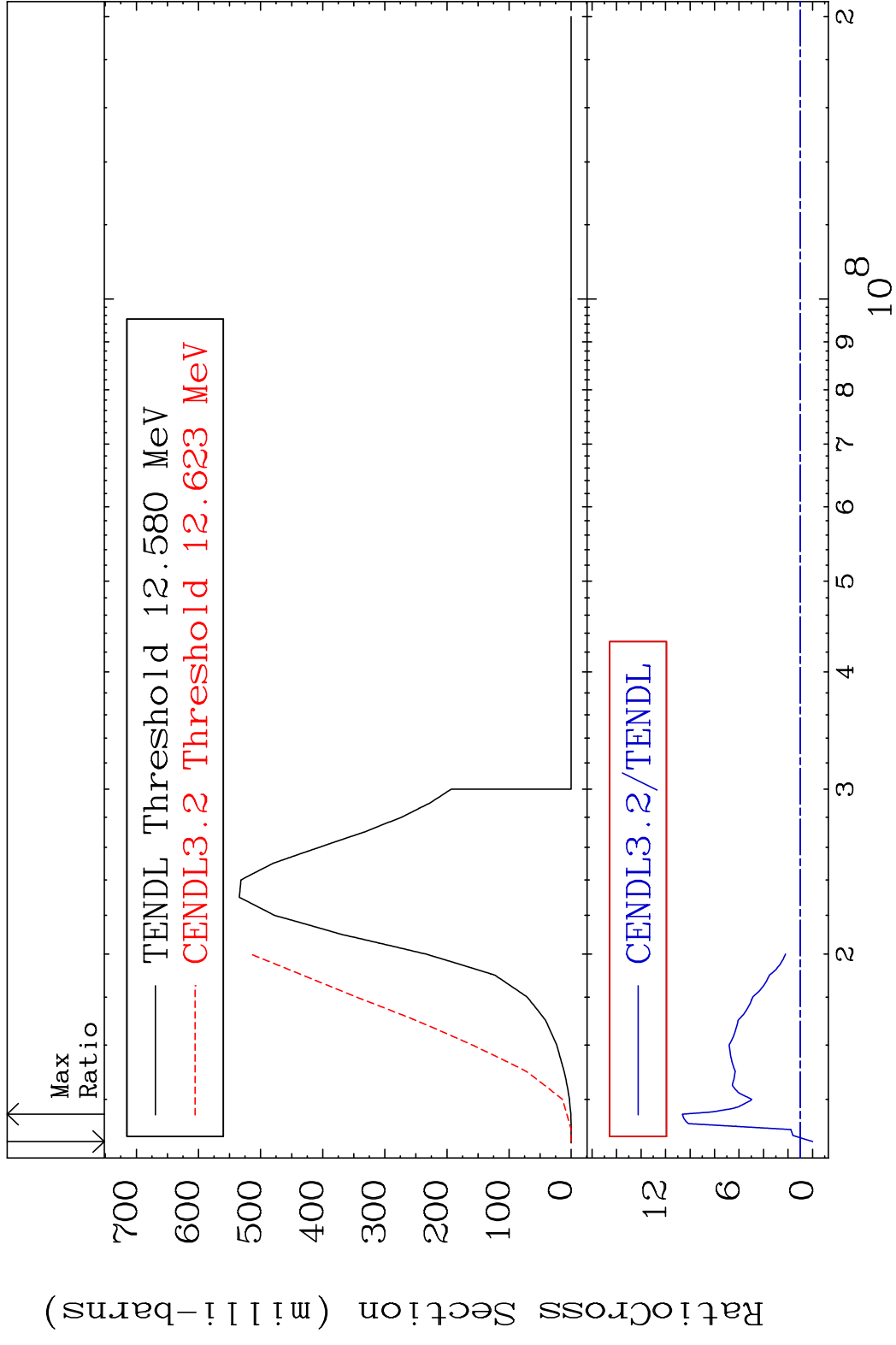
98-Cf-249

MAT 9852

(n,3n)

98-Cf-249

Cross Section -100.0 To 962.9 %



5

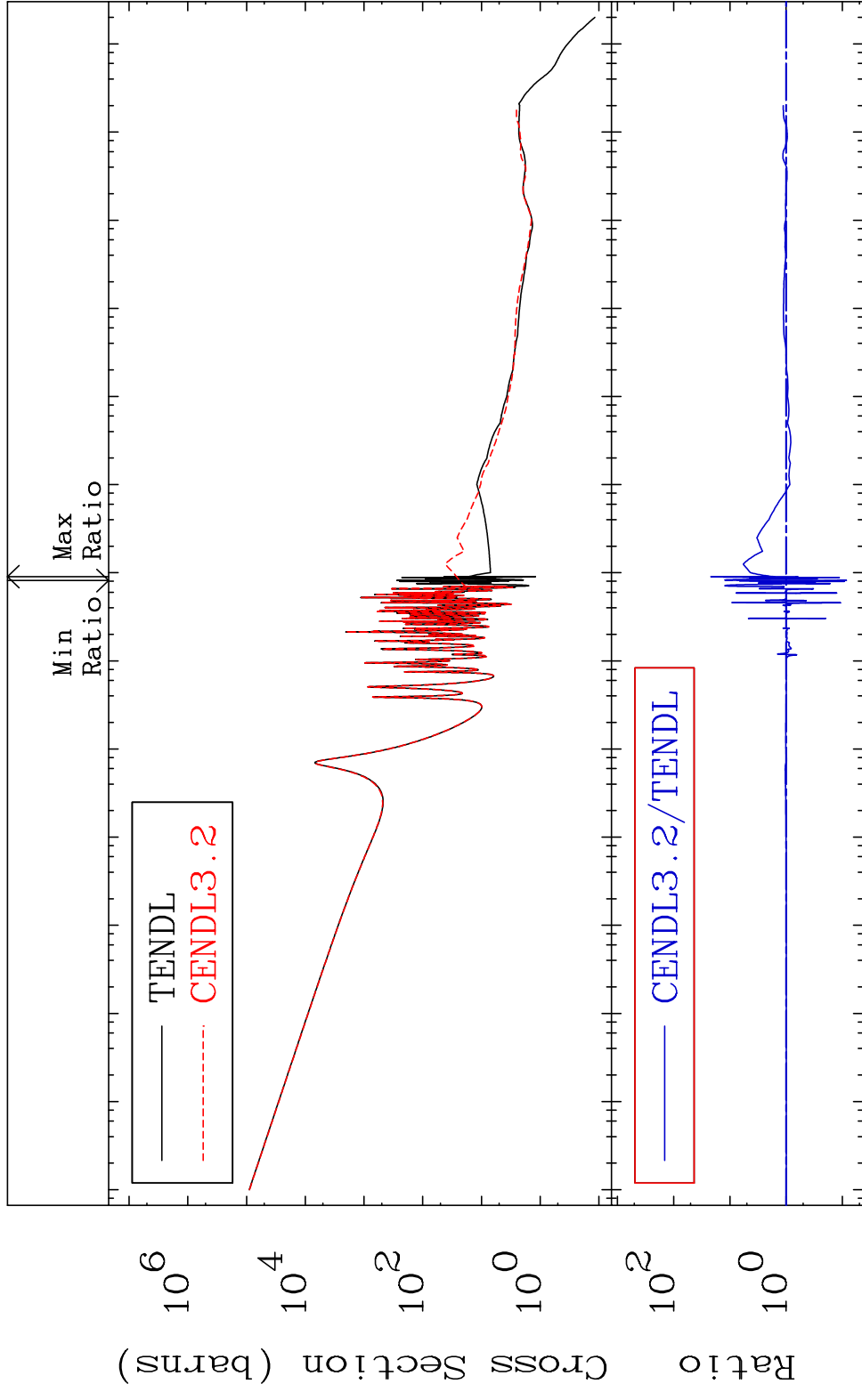
Incident Energy (eV)

98-Cf-249

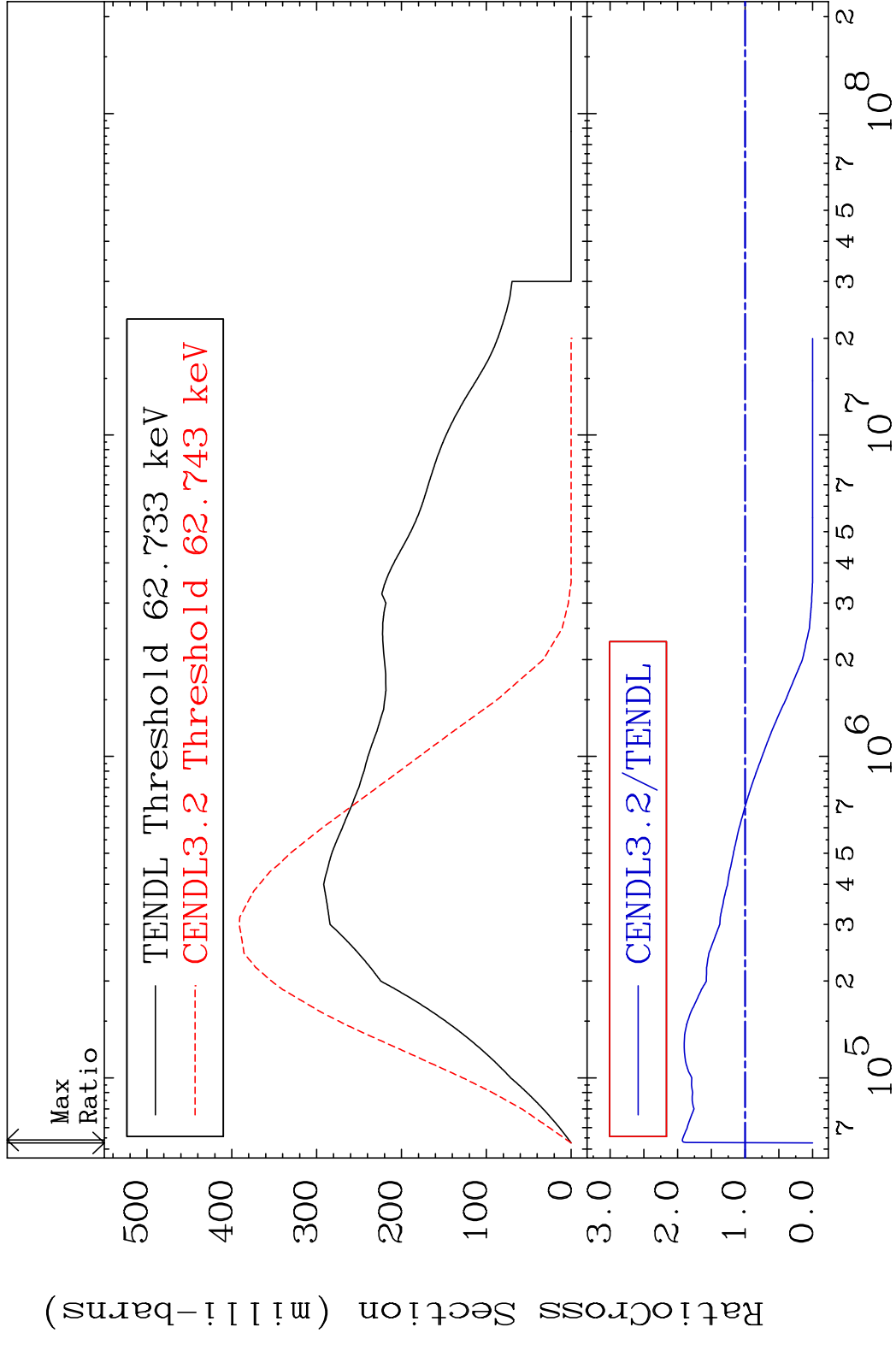
MAT 9852

Fission Cross Section -91.48 To 2092. %

98-Cf-249

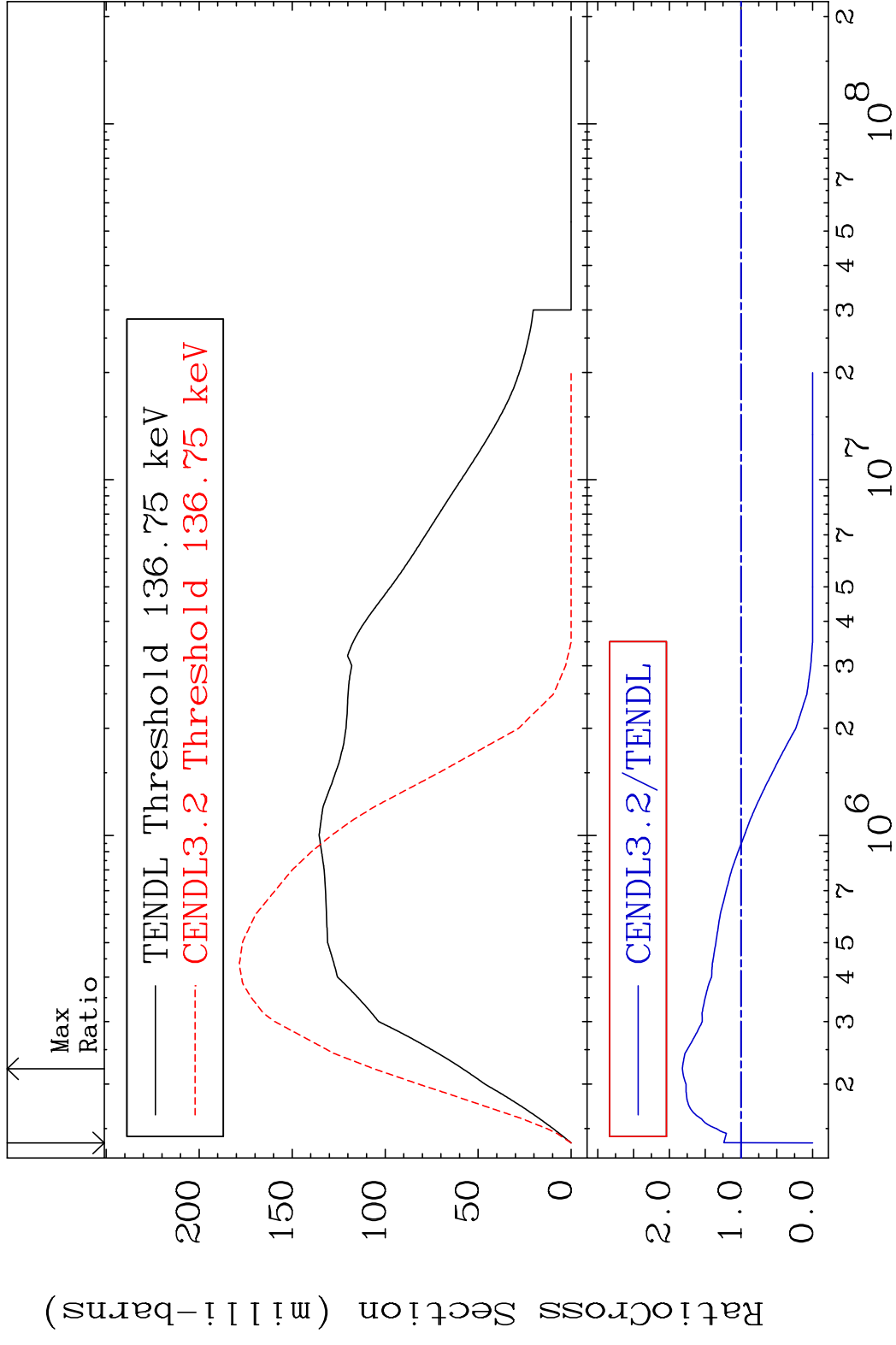


MAT 9852 MT= 51 (n, n') Level 98-Cf-249
 Cross Section -100.0 To 93.01 %

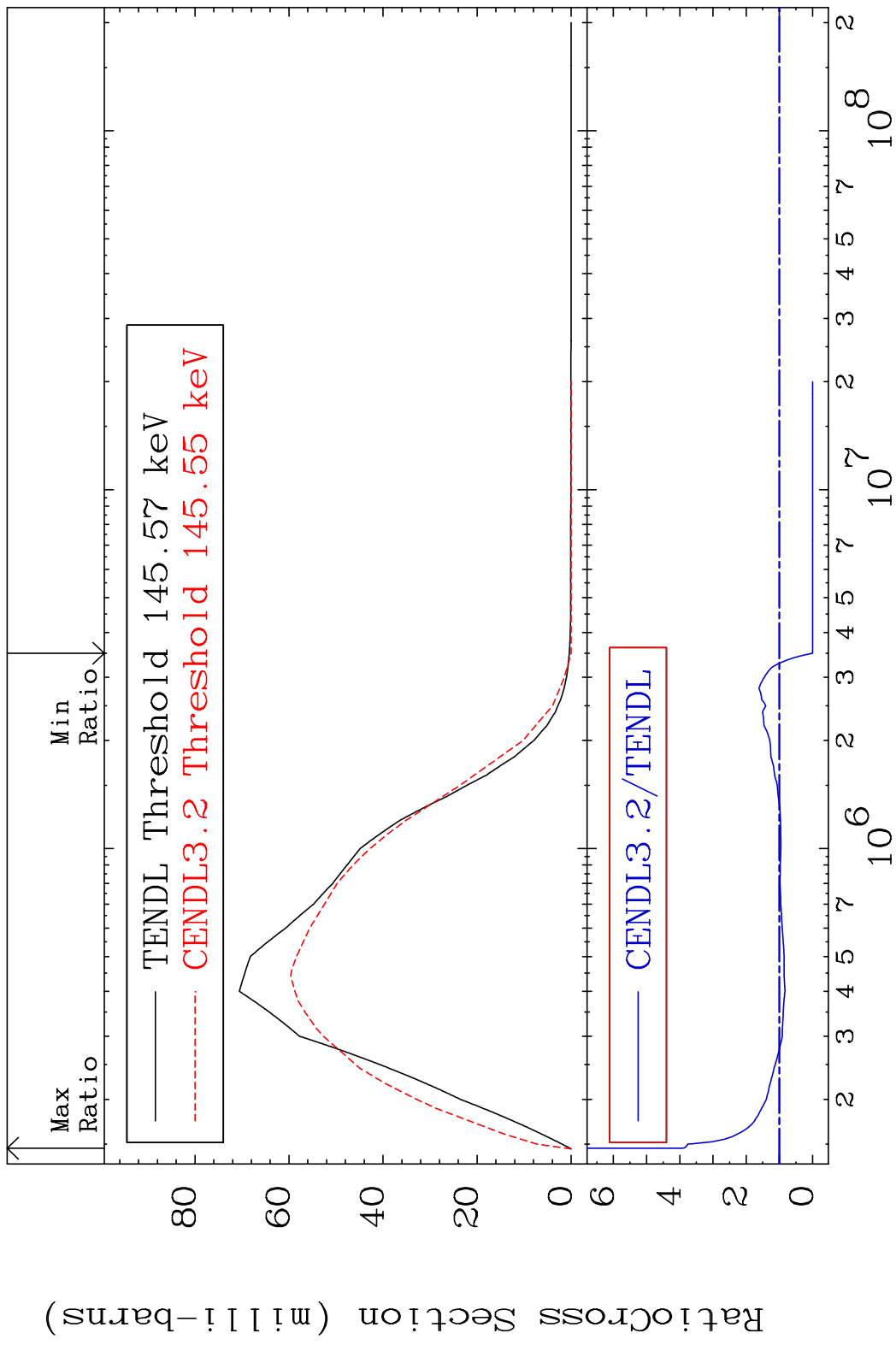


7 7 98-Cf-249

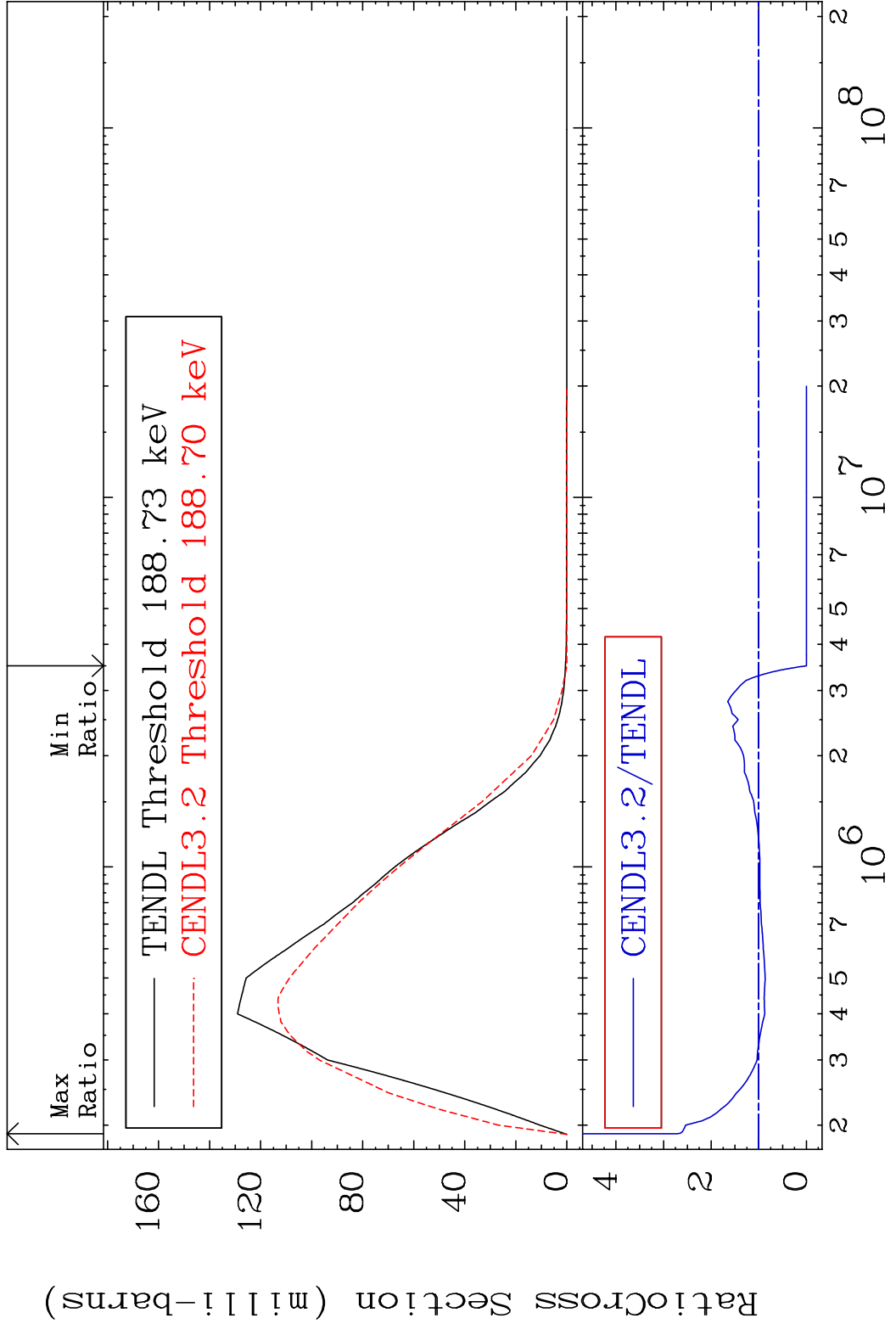
MAT 9852 MT= 52 (n, n') Level 98-Cf-249
 Cross Section -100.0 To 81.80 %



MAT 9852 MT= 53 (n, n') Level 98-Cf-249
 Cross Section -100.0 To 292.3 %

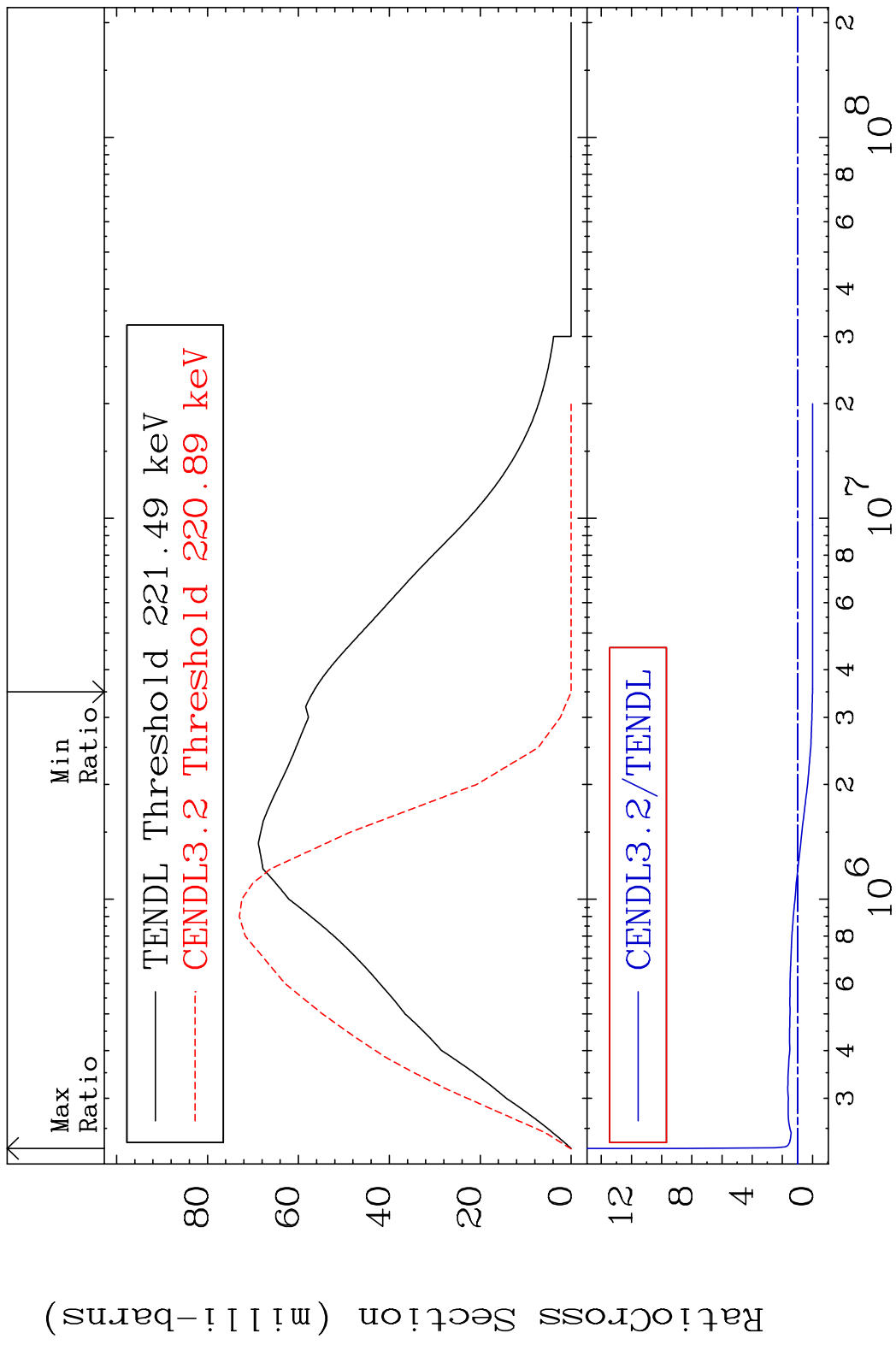


MAT 9852 MT= 54 (n, n') Level 98-Cf-249
 Cross Section -100.0 To 171.3 %

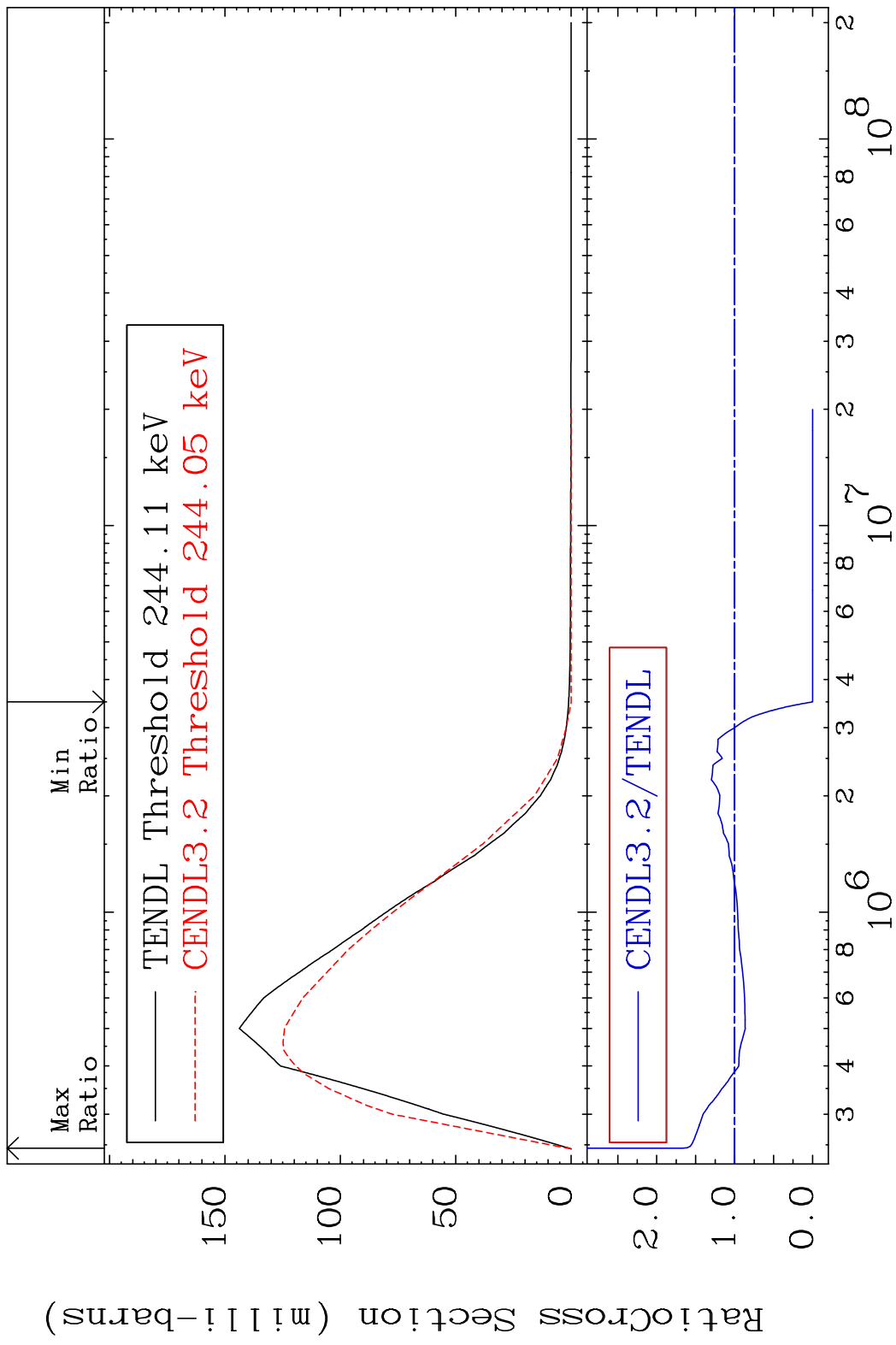


10 Incident Energy (eV) 98-Cf-249

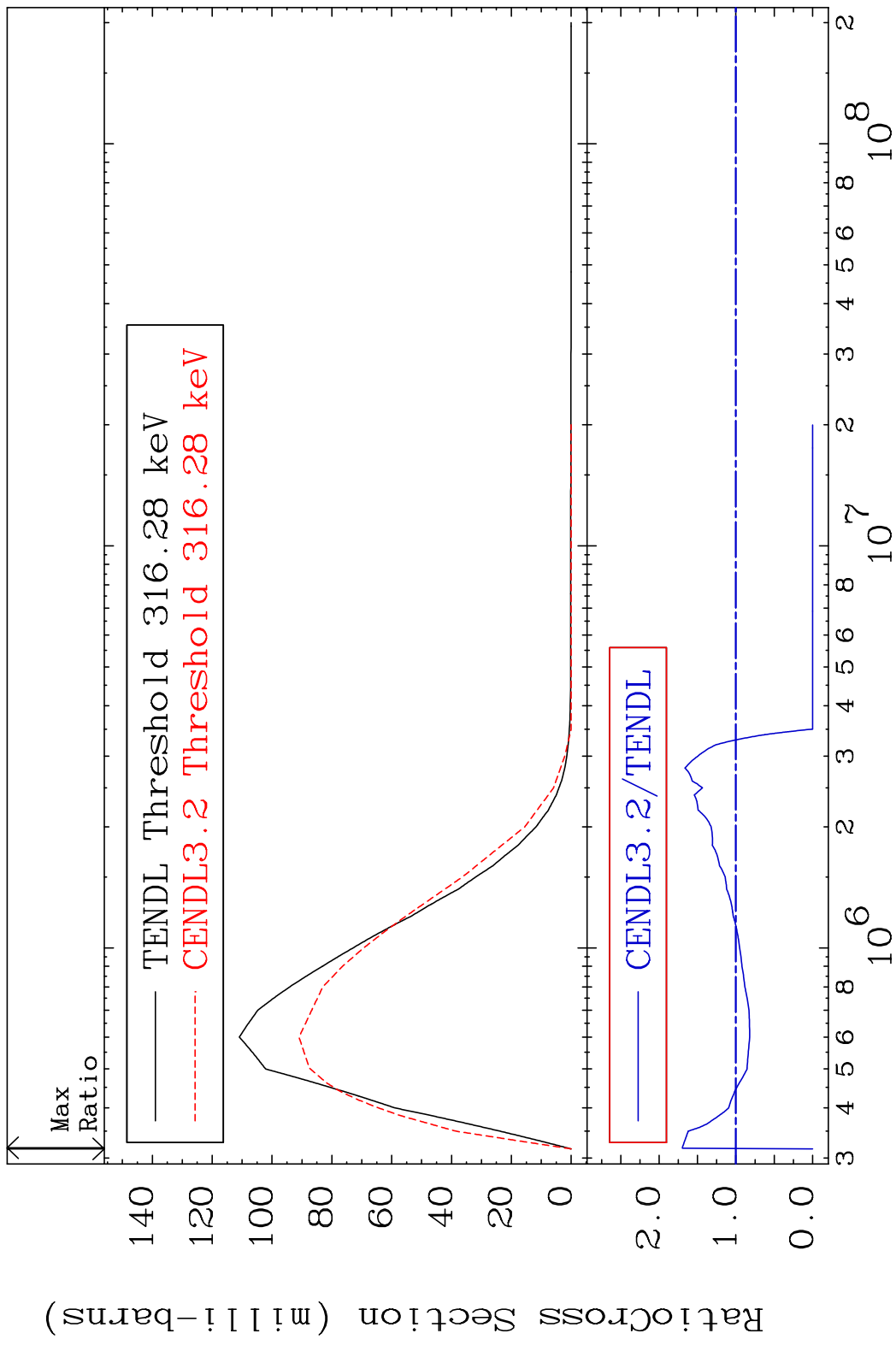
MAT 9852 MT= 55 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 762.8 %



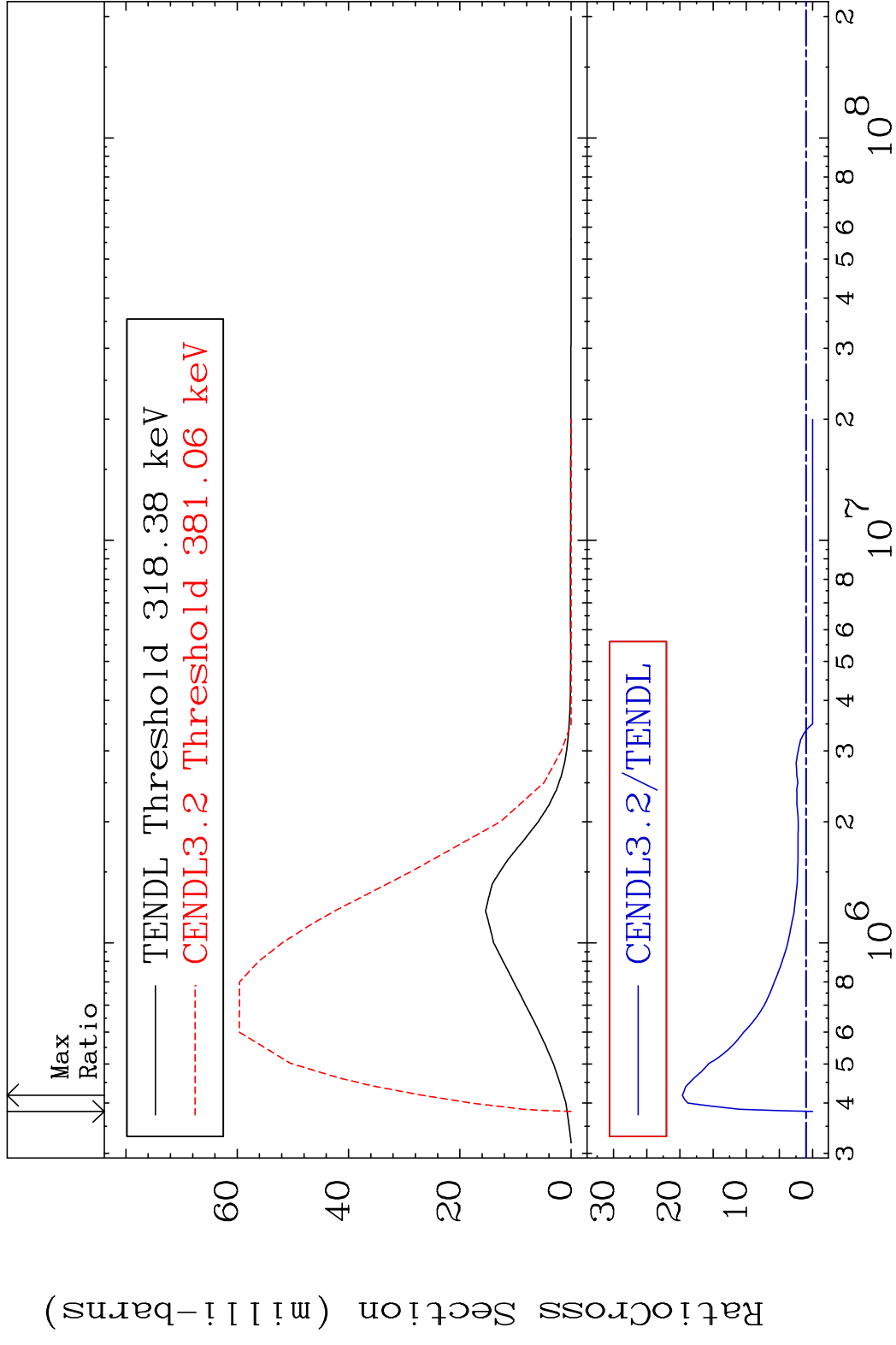
MAT 9852 MT= 56 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 67.09 %



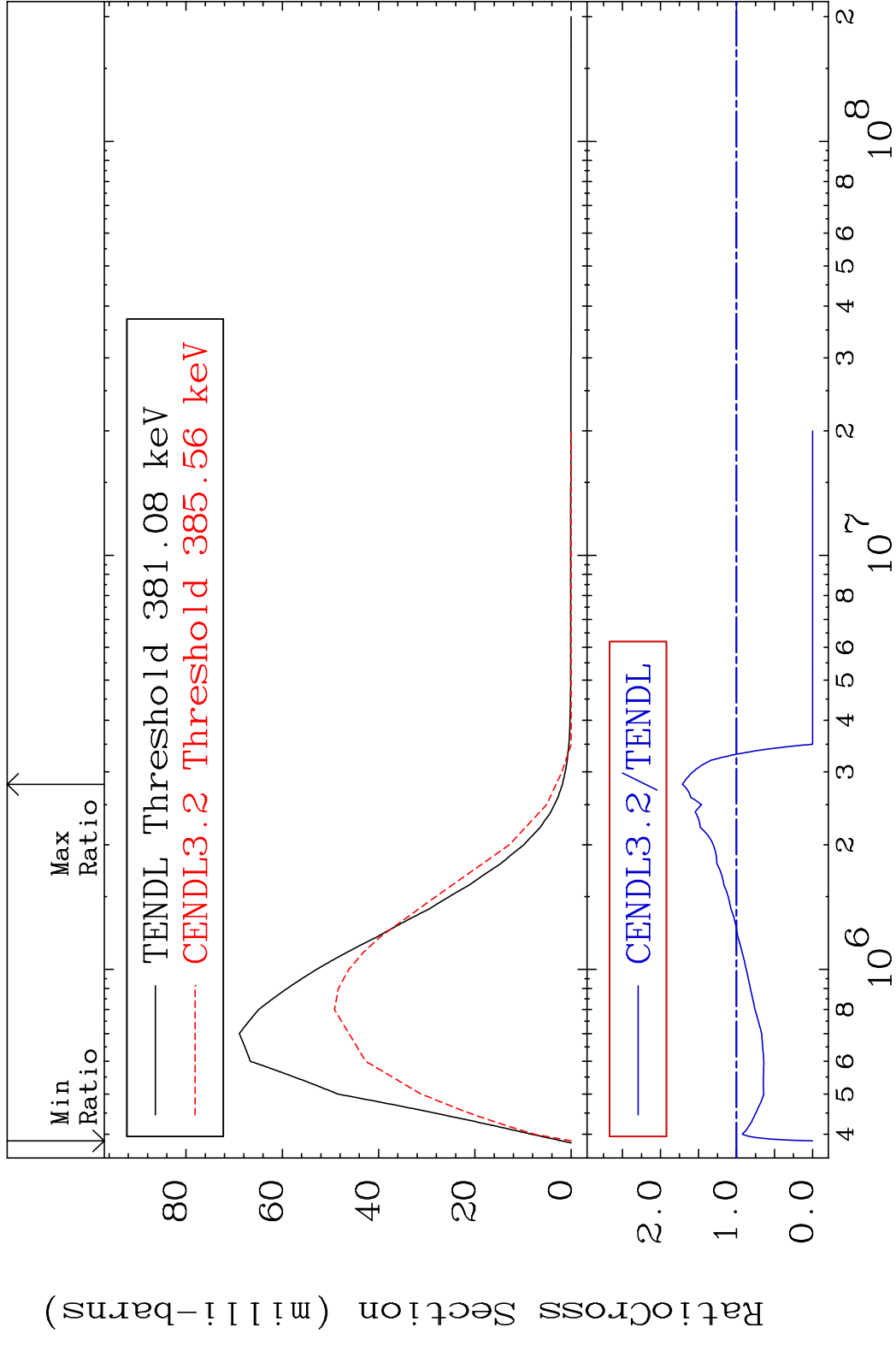
MAT 9852 MT= 57 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 69.74 %



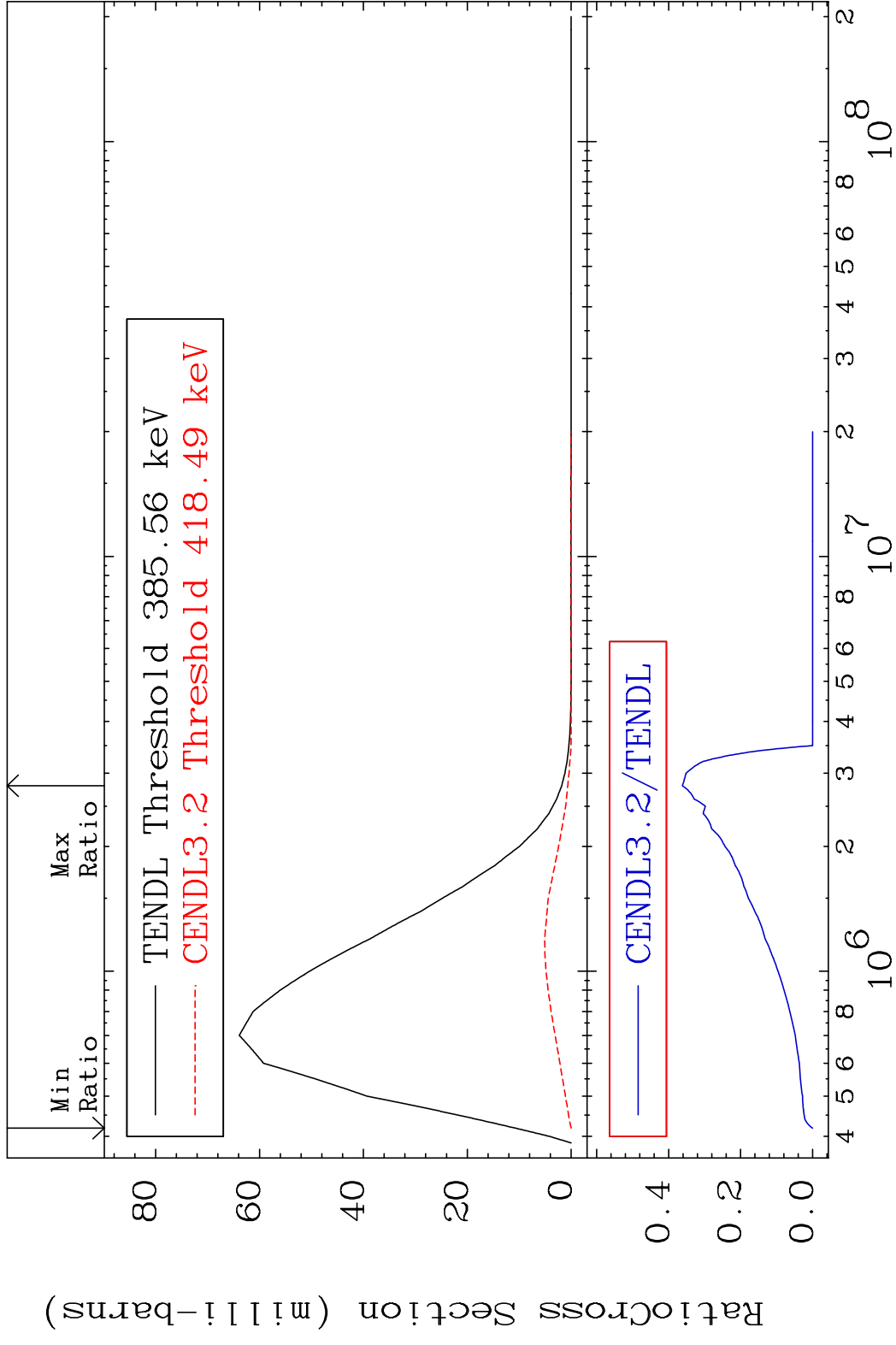
MAT 9852 MT= 58 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 1863. %



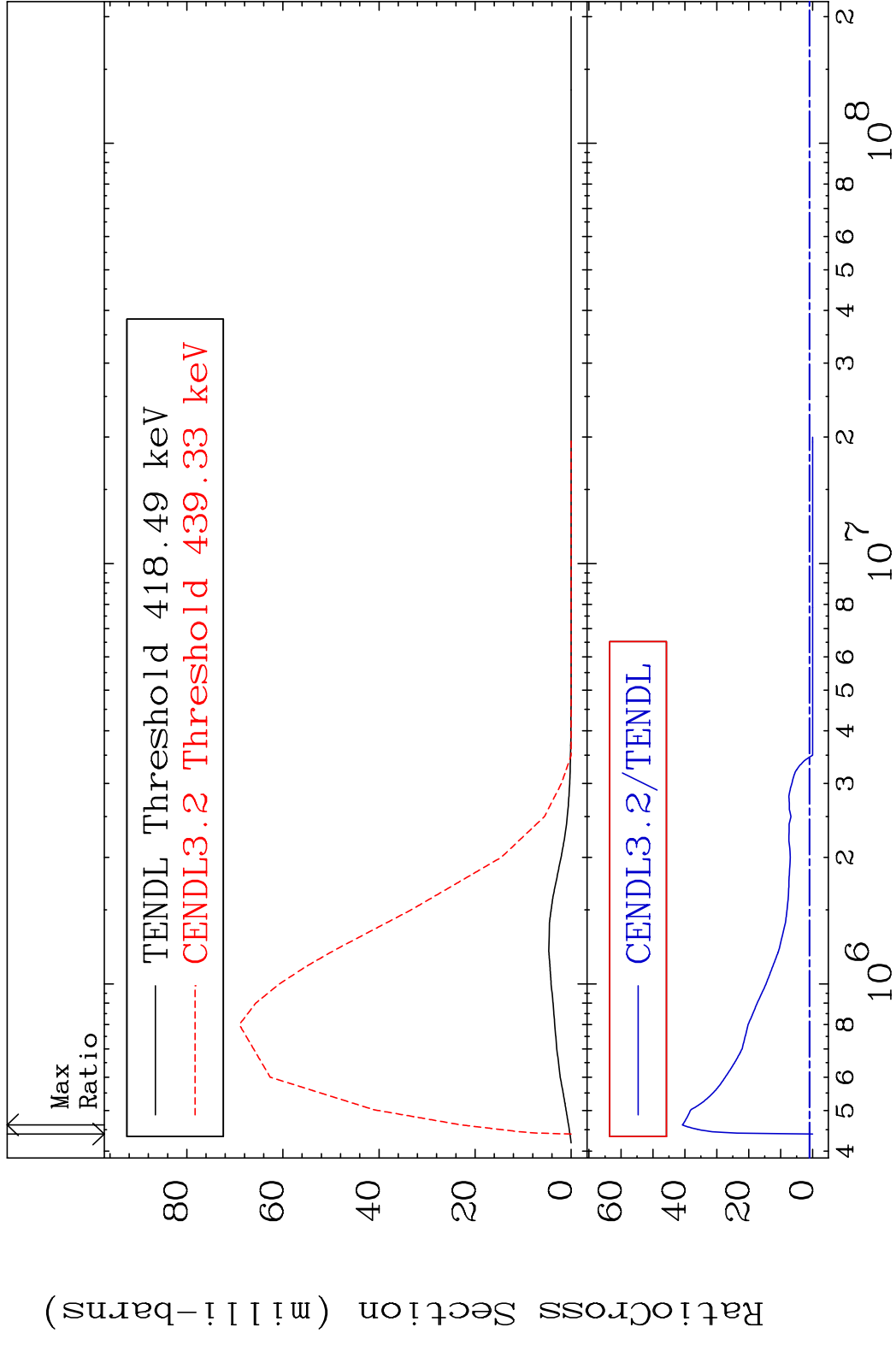
MAT 9852 MT= 59 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 71.27 %



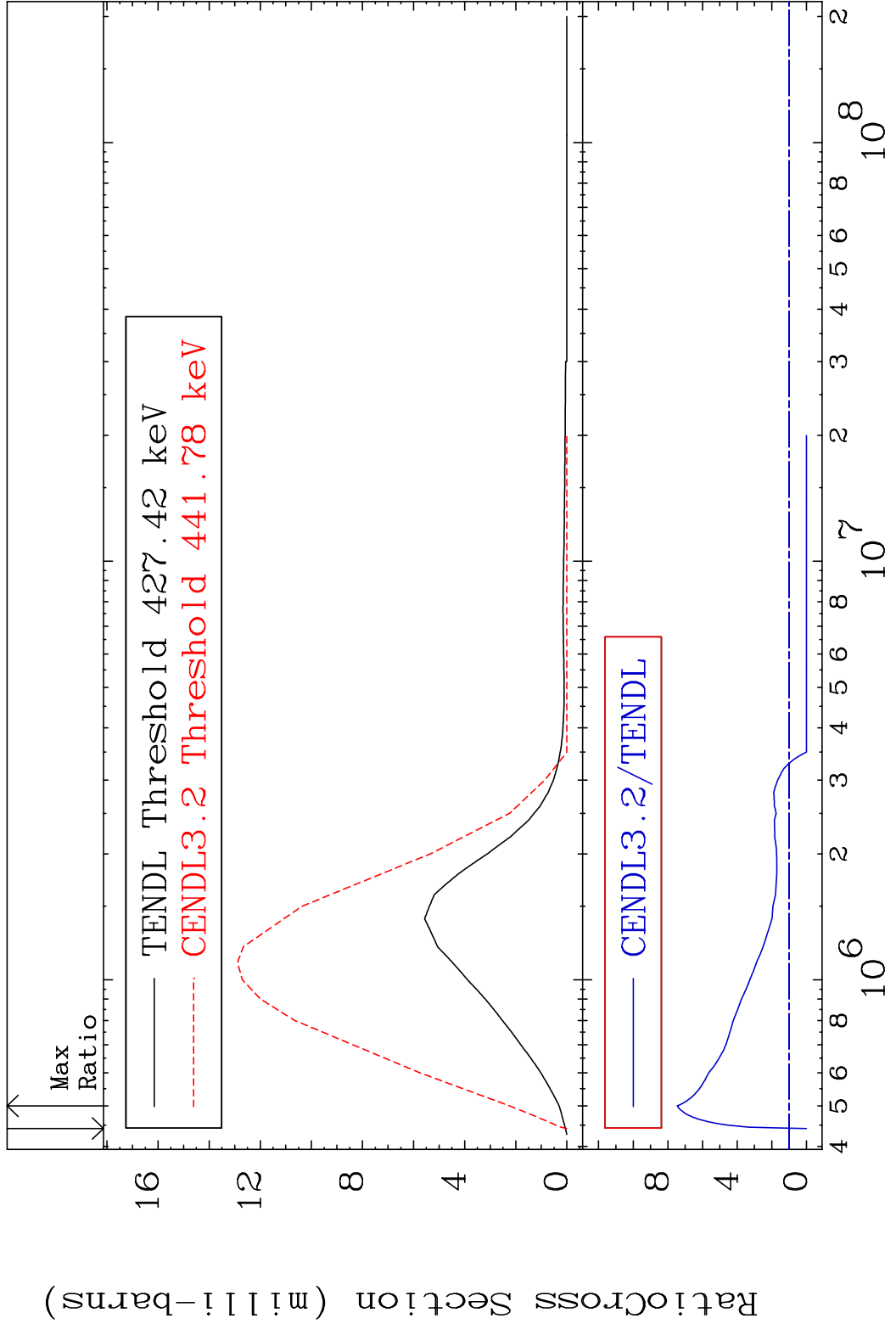
MAT 9852 MT= 60 (n,n') Level 98-Cf-249
 Cross Section -100.0 To -63.82%



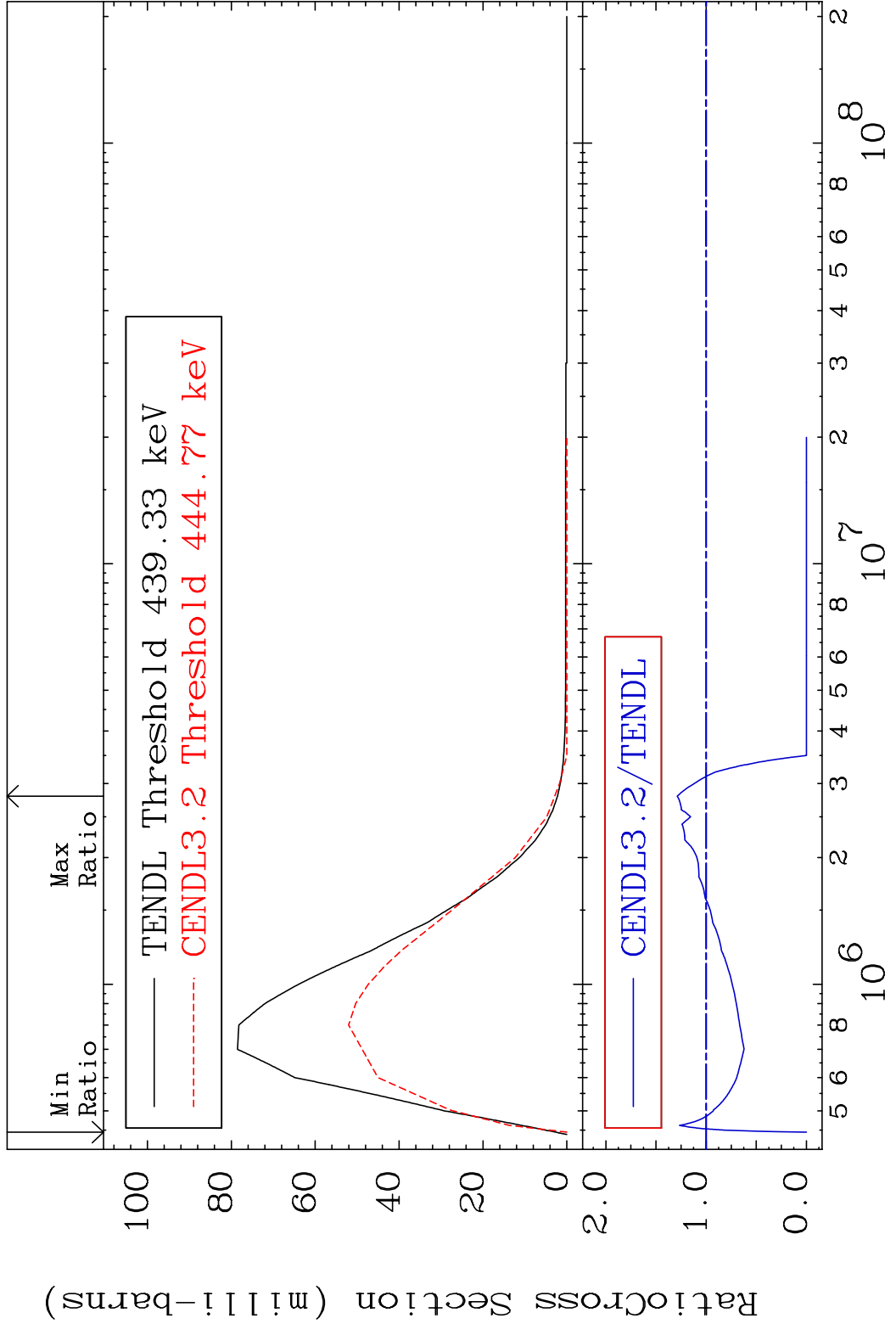
MAT 9852 MT= 61 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 3977. %



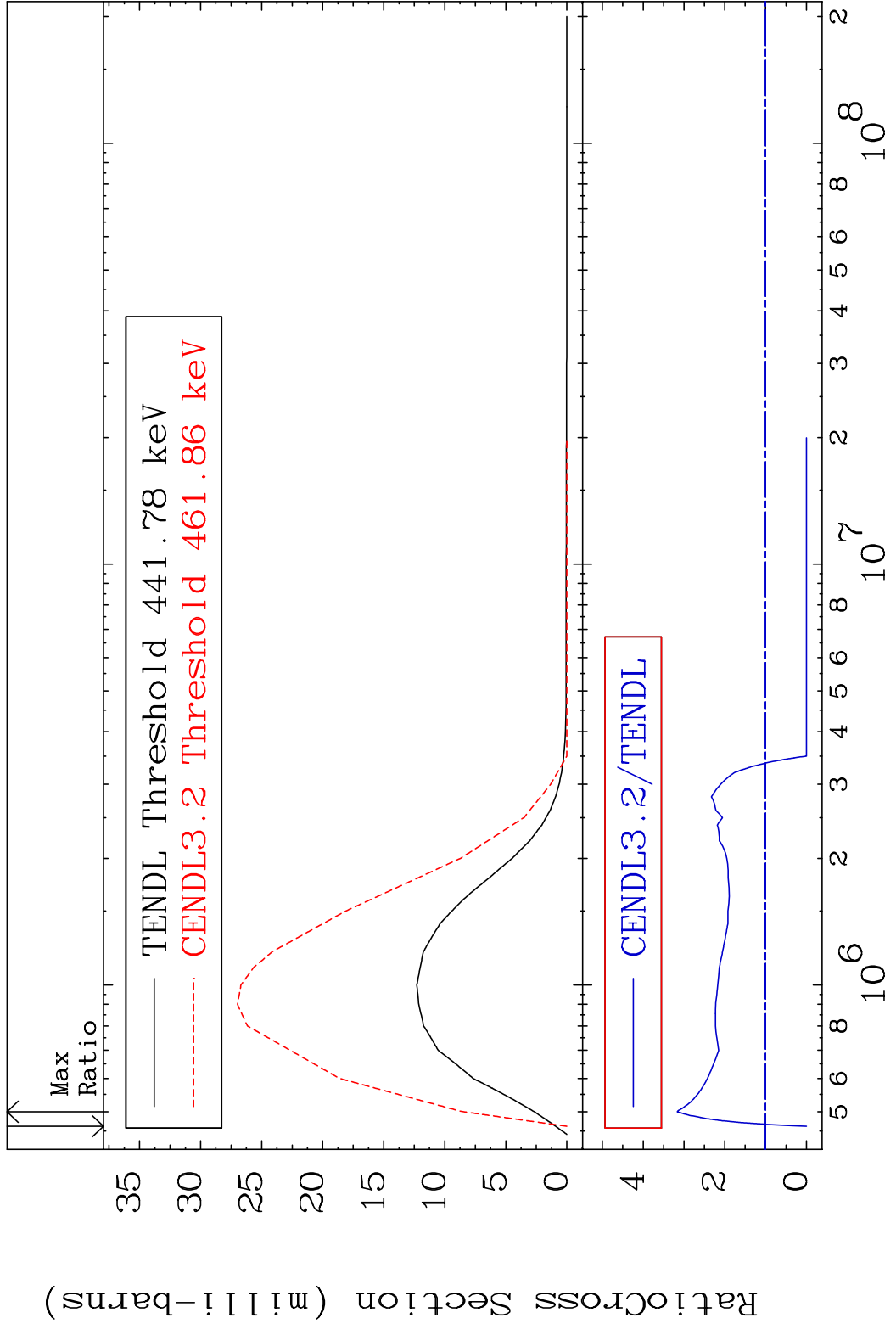
MAT 9852 MT= 62 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 646.1 %



MAT 9852 MT= 63 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 28.87 %

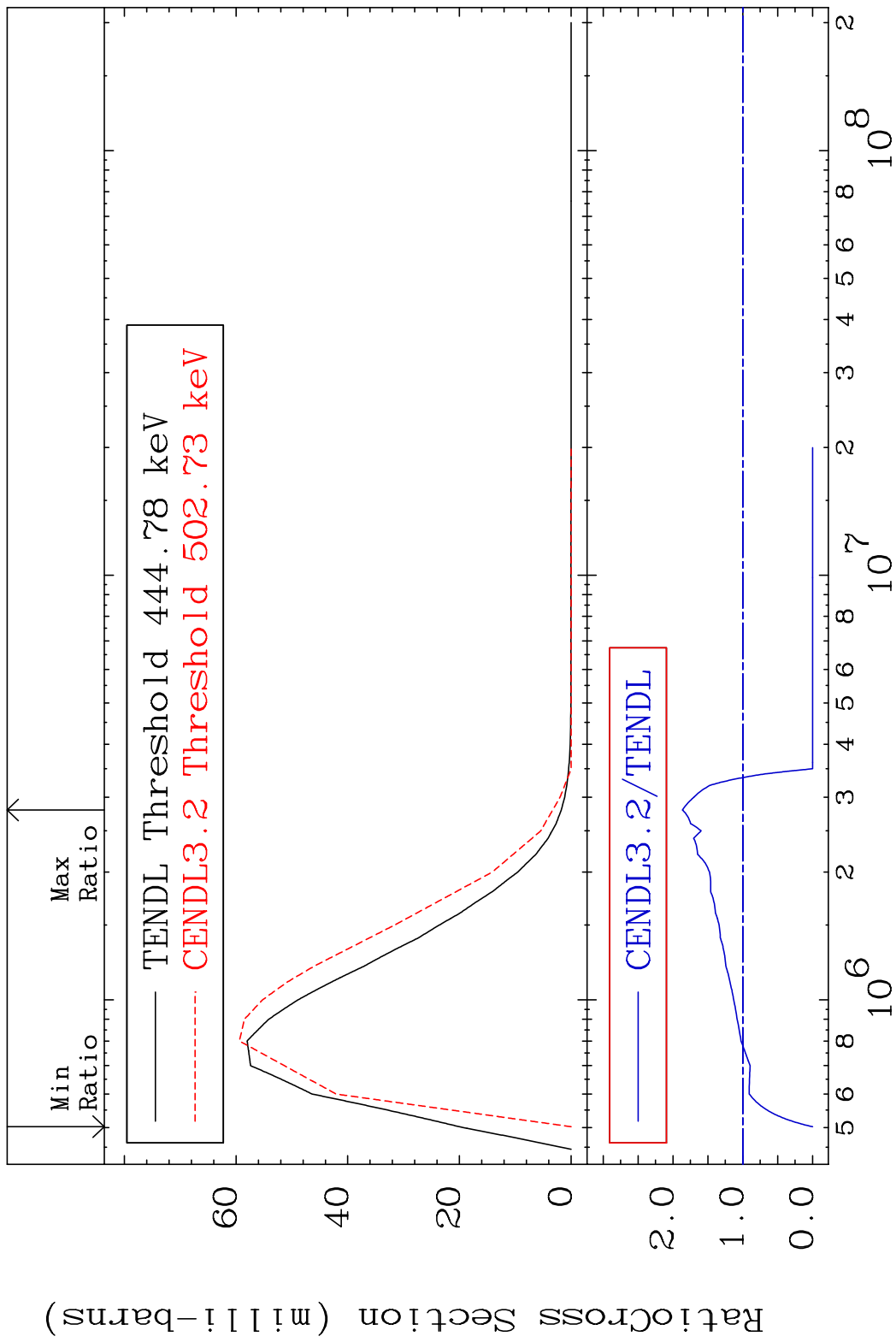


MAT 9852 MT= 64 (n,n') Level 98-Cf-249
 Cross Section -100.0 To 216.7 %



20 Incident Energy (eV) 98-Cf-249

MAT 9852 MT= 65 (n, n') Level 98-Cf-249
 Cross Section -100.0 To 86.53 %

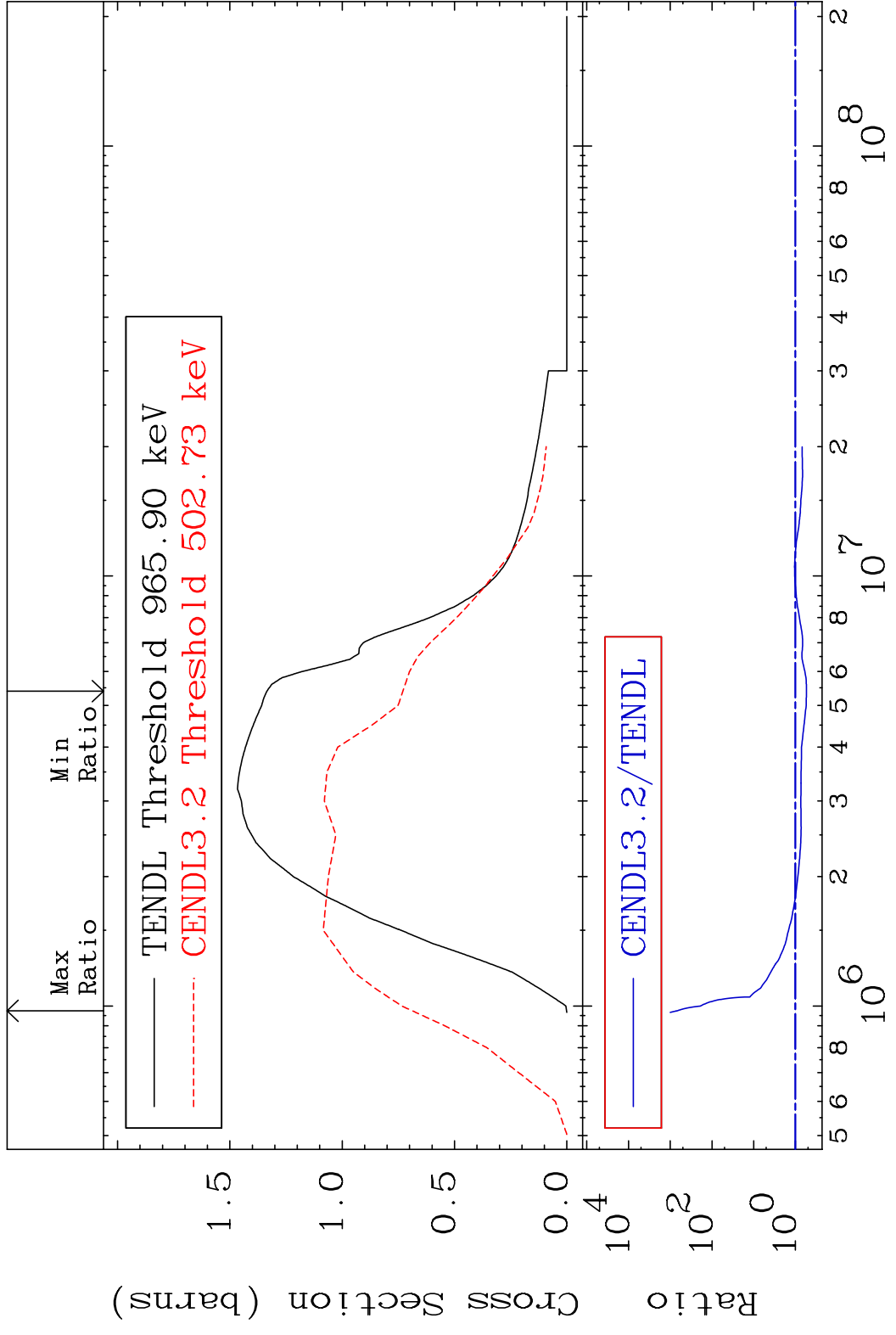


MAT 9852

(n,n') Continuum

98-Cf-249

Cross Section -45.34 To 9999. %

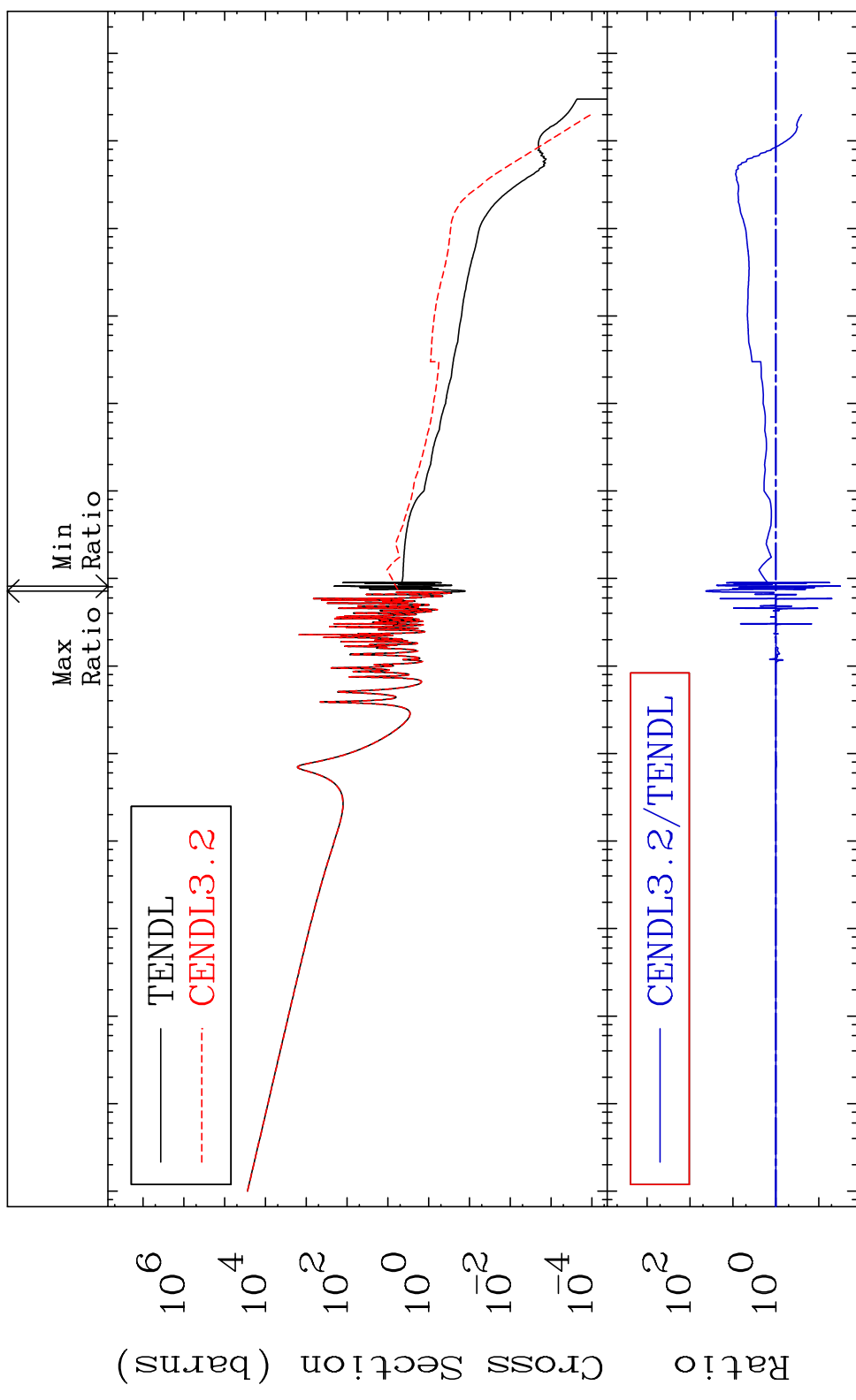


MAT 9852

(n, γ)

98-Cf-249

Cross Section -96.89 To 4193. %



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

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Incident Energy (eV)

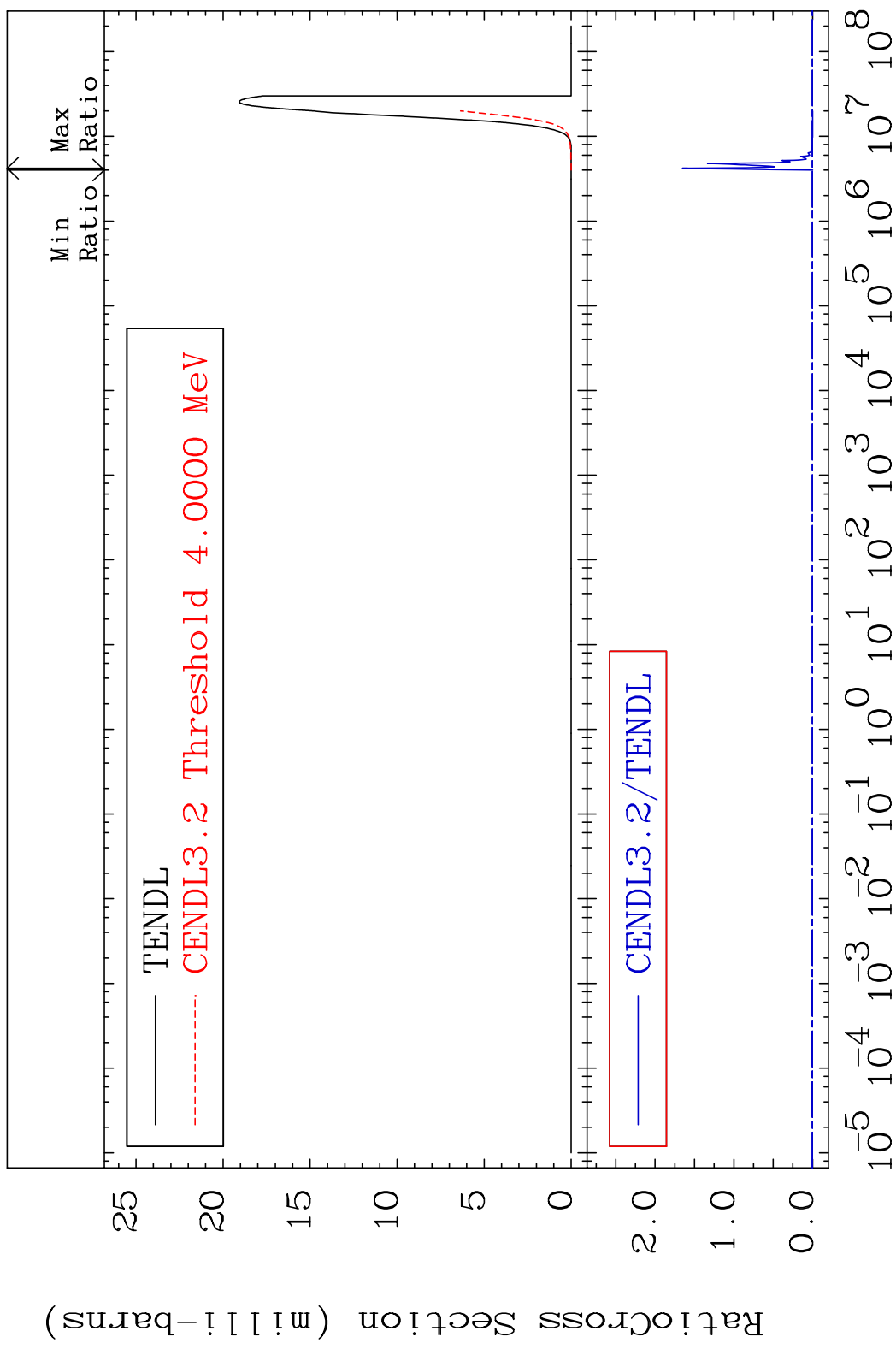
98-Cf-249

MAT 9852

(n,p)

98-Cf-249

Cross Section -100.0 To 9999. %

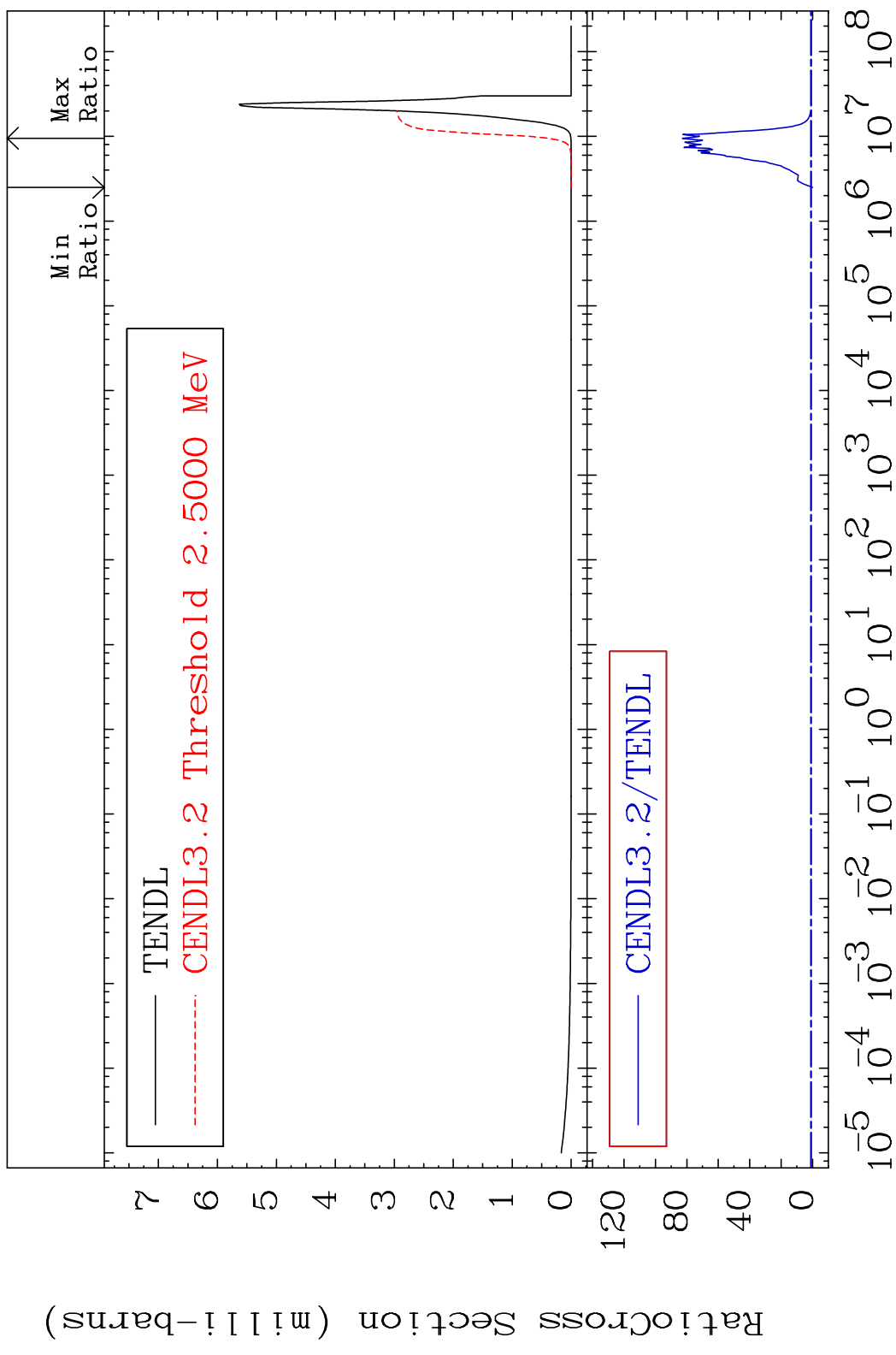


MAT 9852

(n, α)

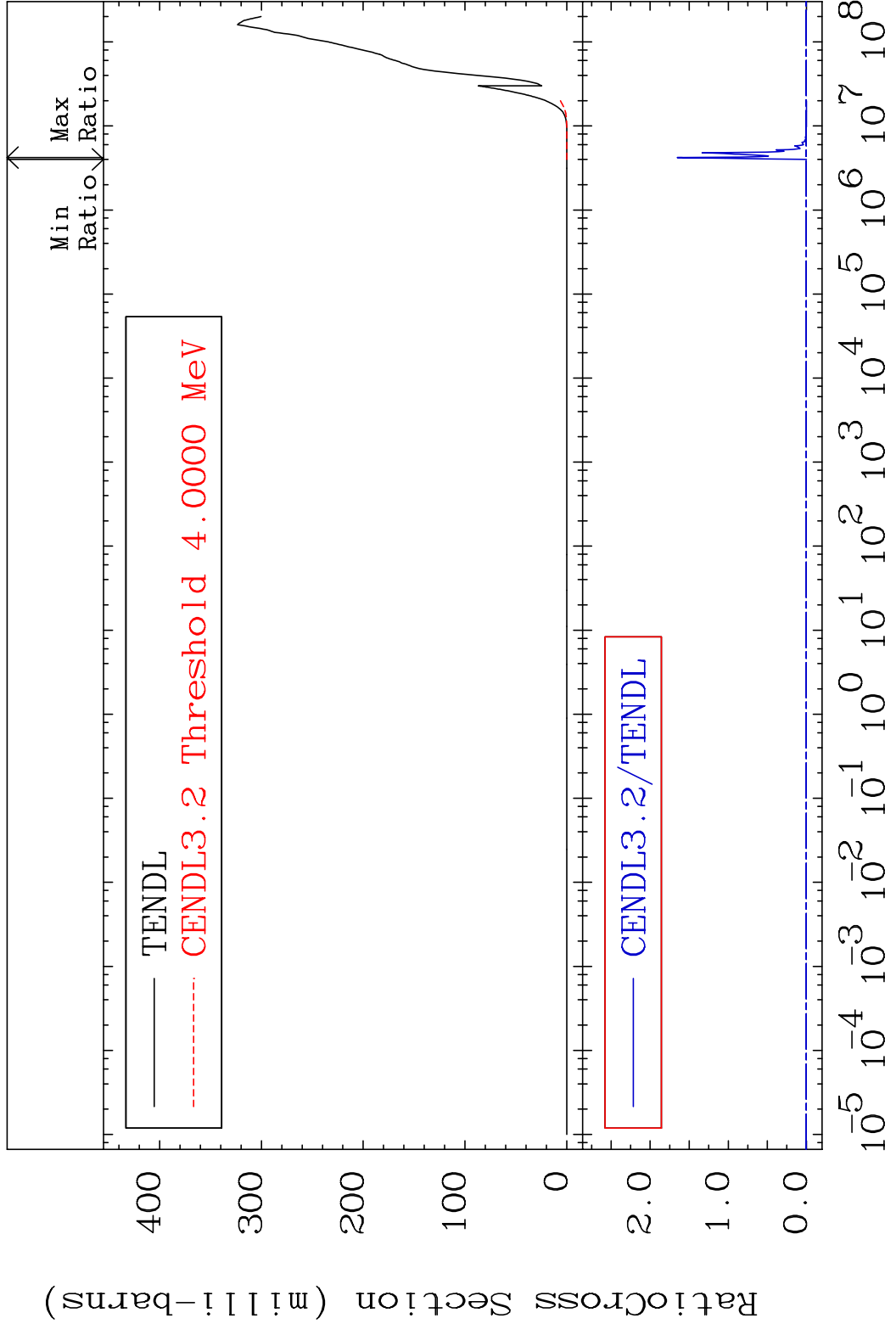
98-Cf-249

Cross Section -100.0 To 8186. %



MAT 9852

Hydrogen Production 98-Cf-249
Cross Section -100.0 To 9999. %

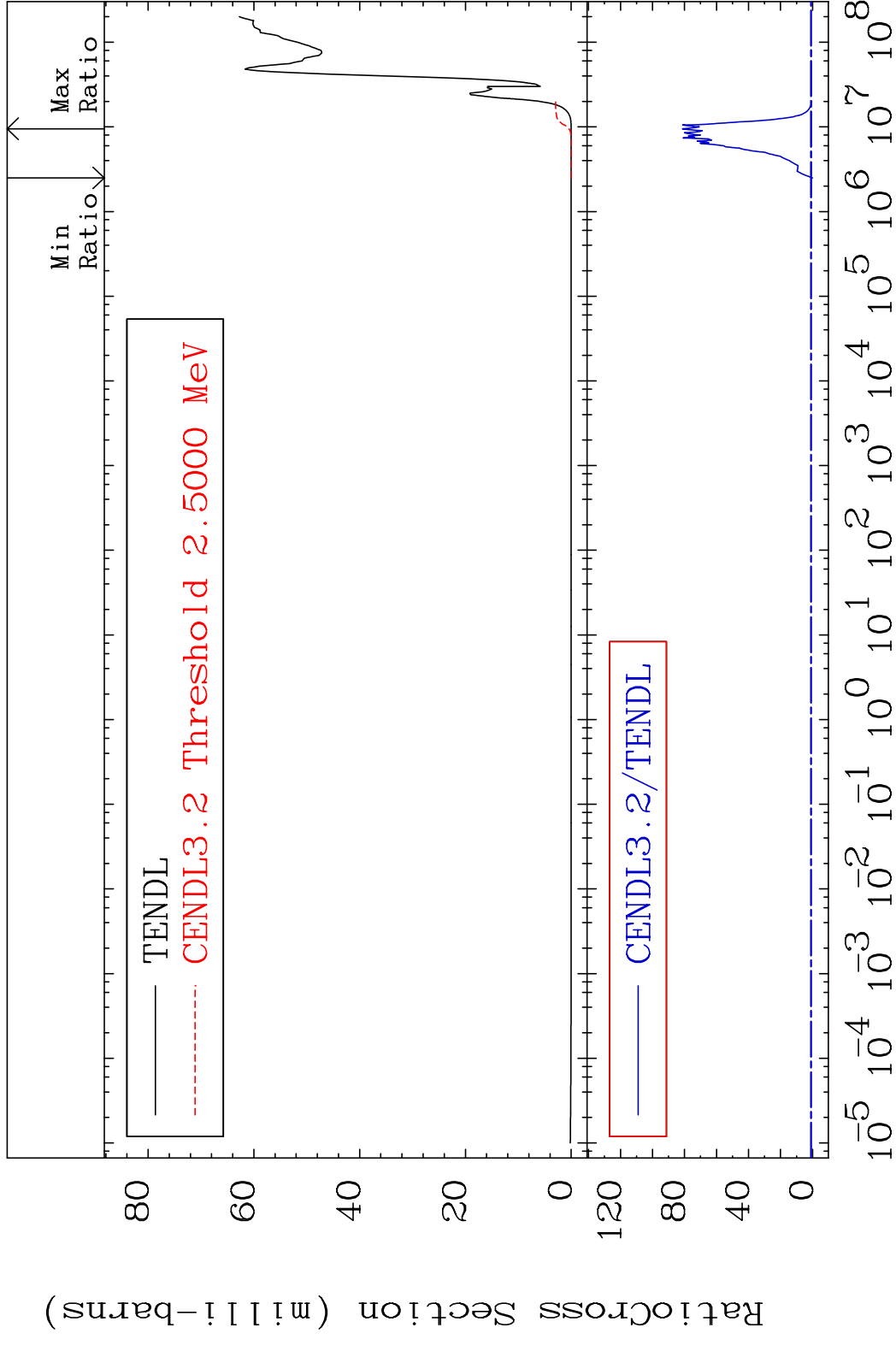


MAT 9852

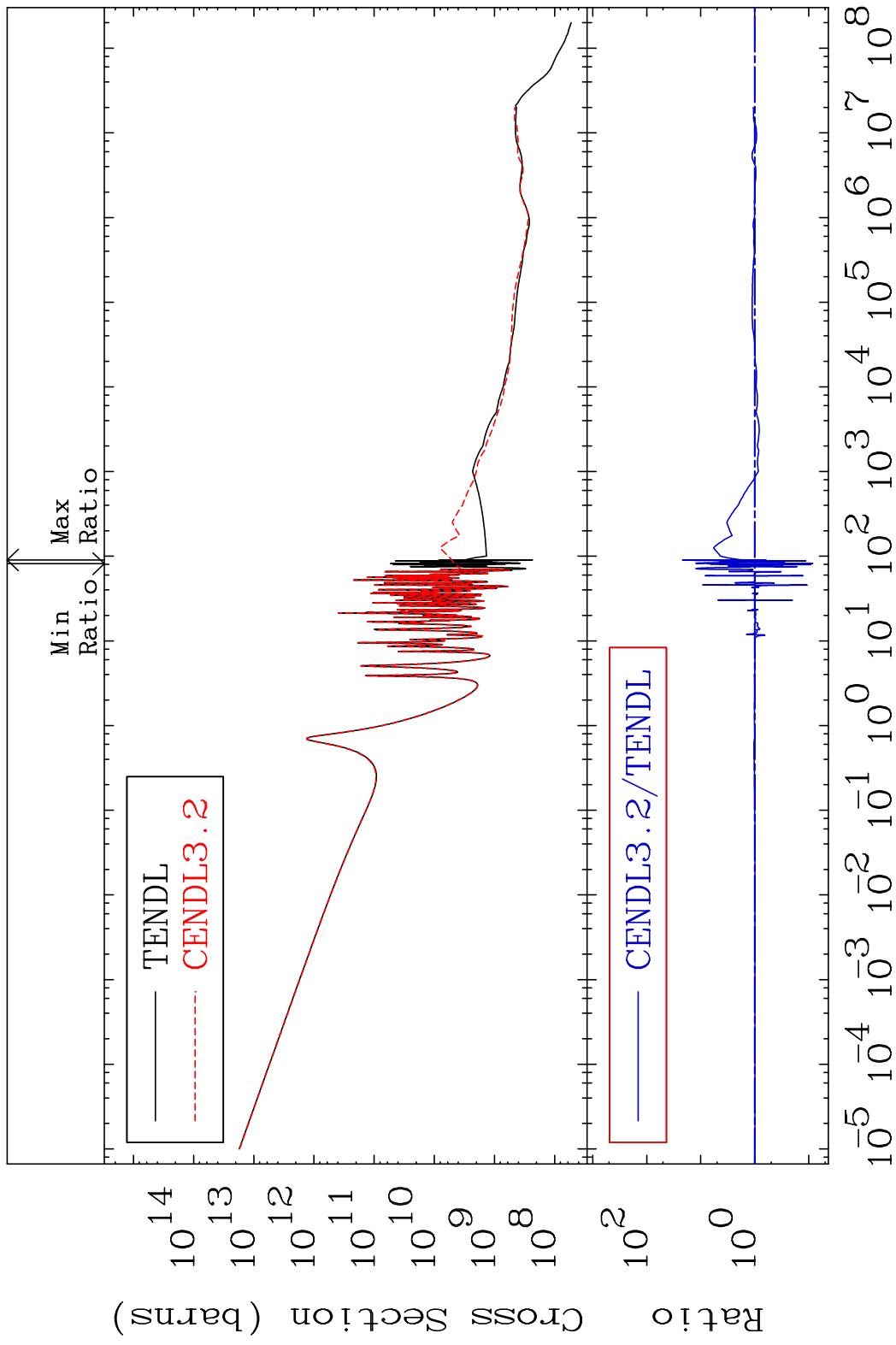
He-4 Production

98-Cf-249

Cross Section -100.0 To 8034. %



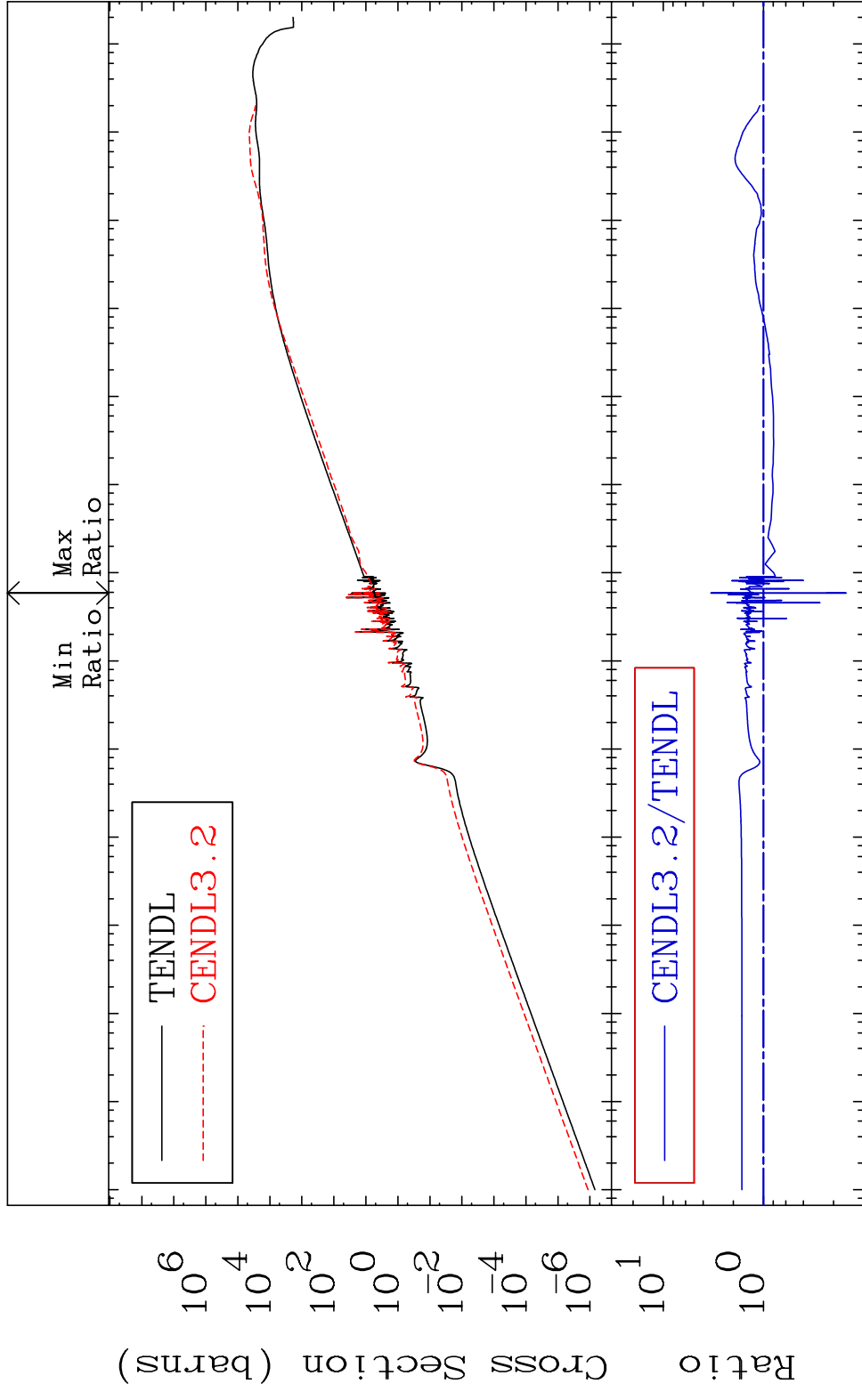
MAT 9852 Kerma total (eV-barns) 98-Cf-249
 Cross Section -91.49 To 2089. %



MAT 9852

Kerma elastic
Cross Section -85.11 To 236.1 %

98-Cf-249



Ratio
Cross Section (barns)

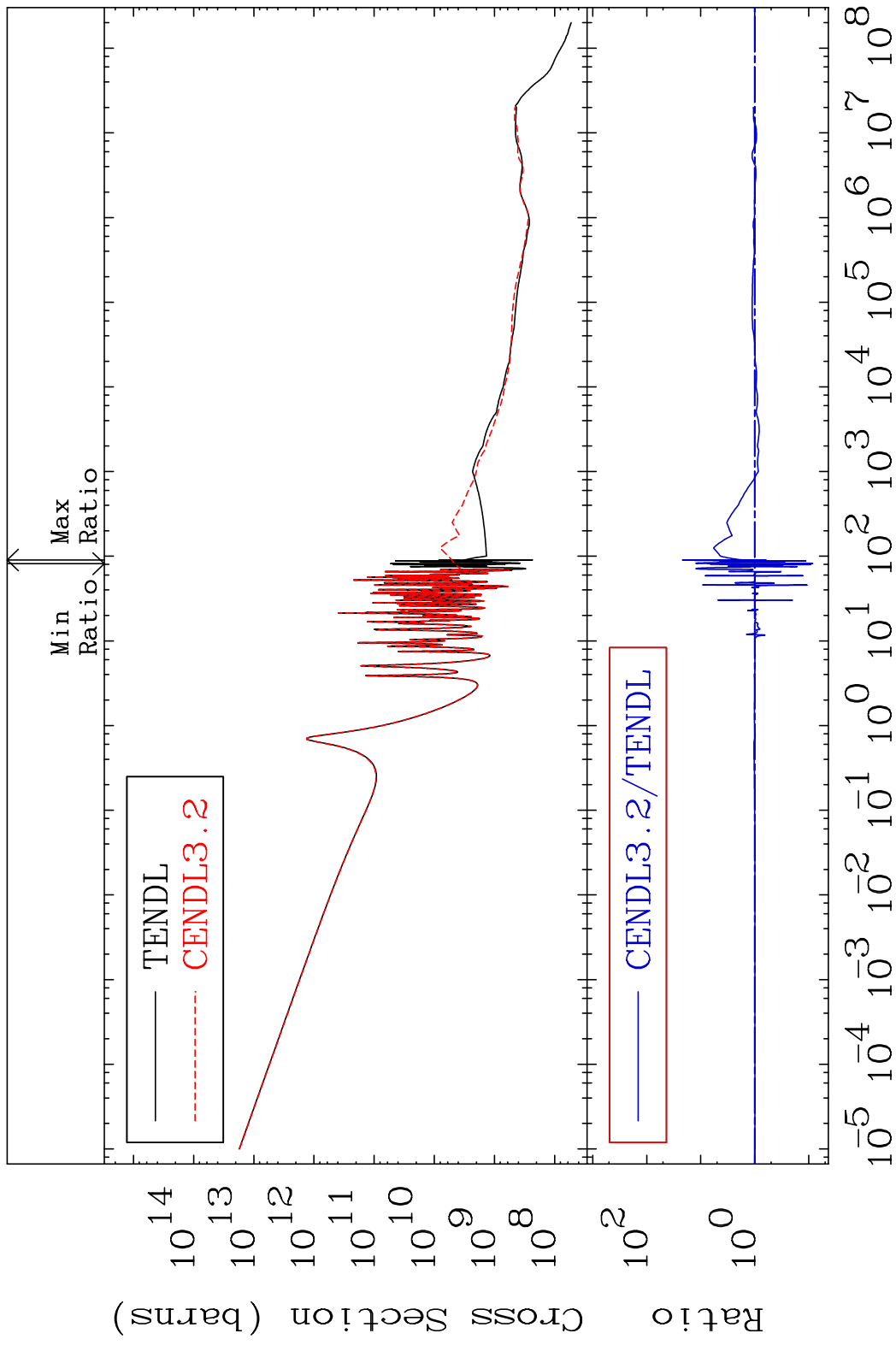
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

29

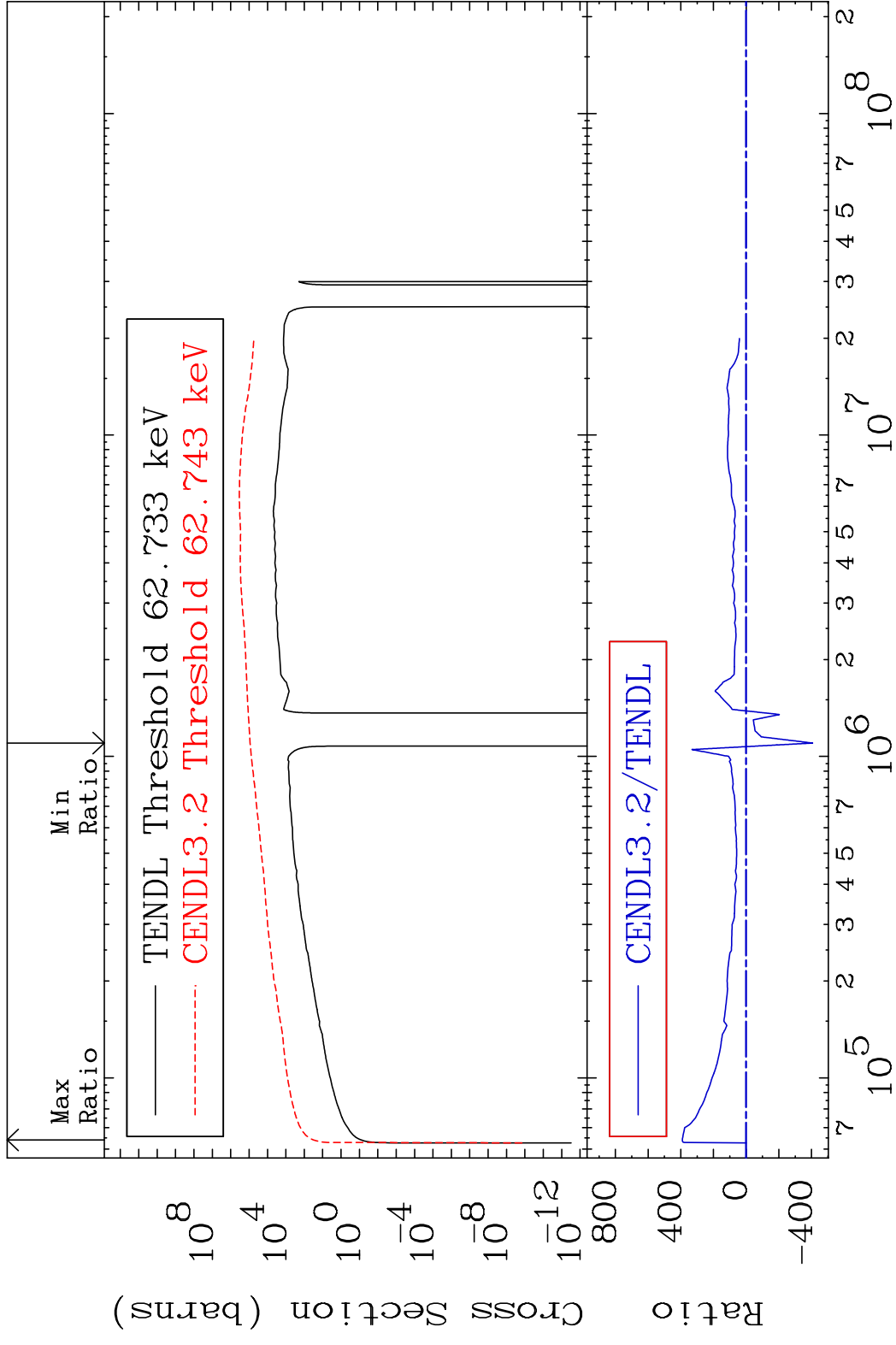
Incident Energy (eV)

98-Cf-249

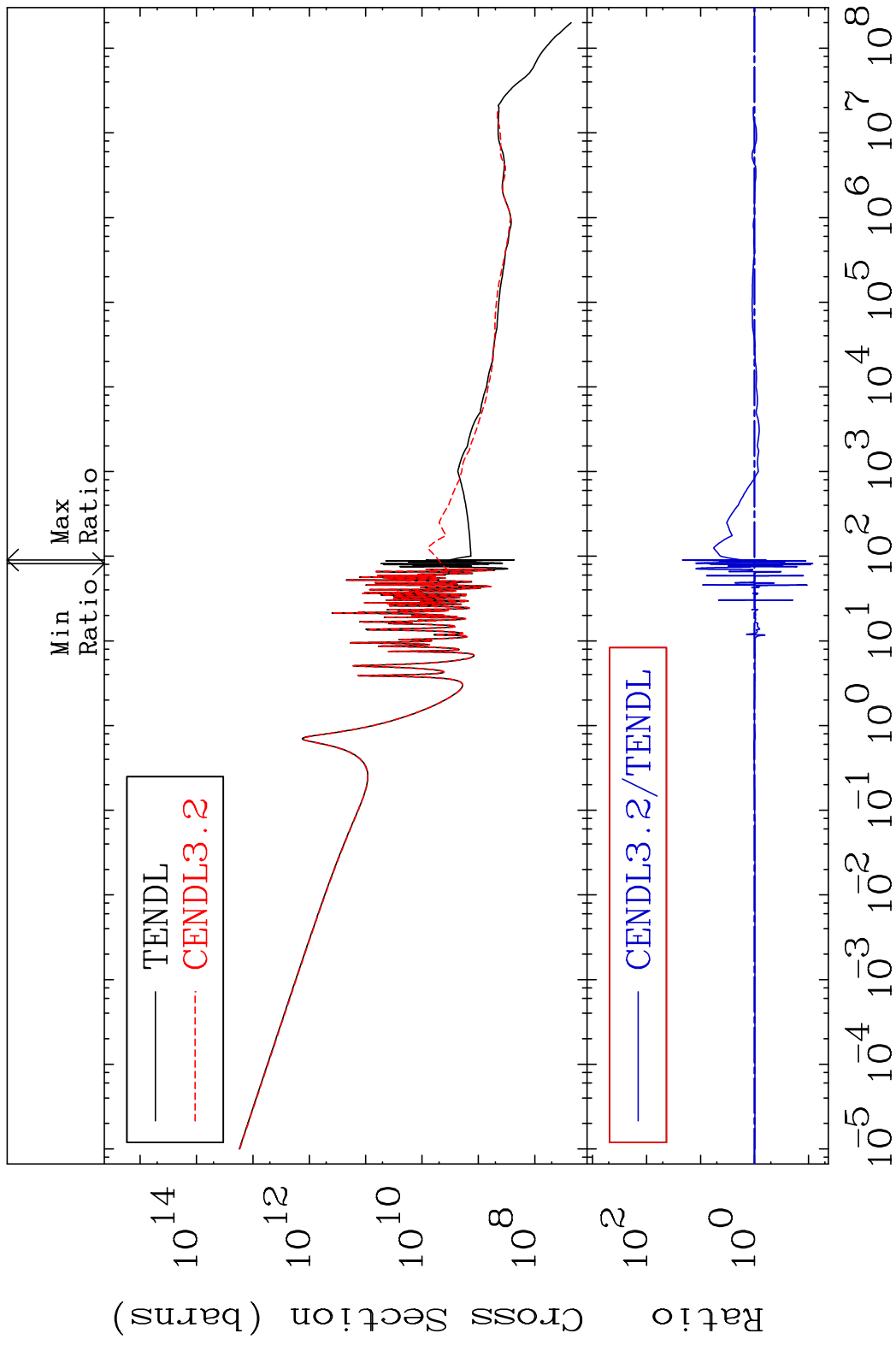
MAT 9852 Kerma non-elastic (all but mt2) 98-Cf-249
 Cross Section -91.49 To 2089. %



MAT 9852 Kerma inelastic (mt51-91) 98-Cf-249
 Cross Section -9999. To 9999. %

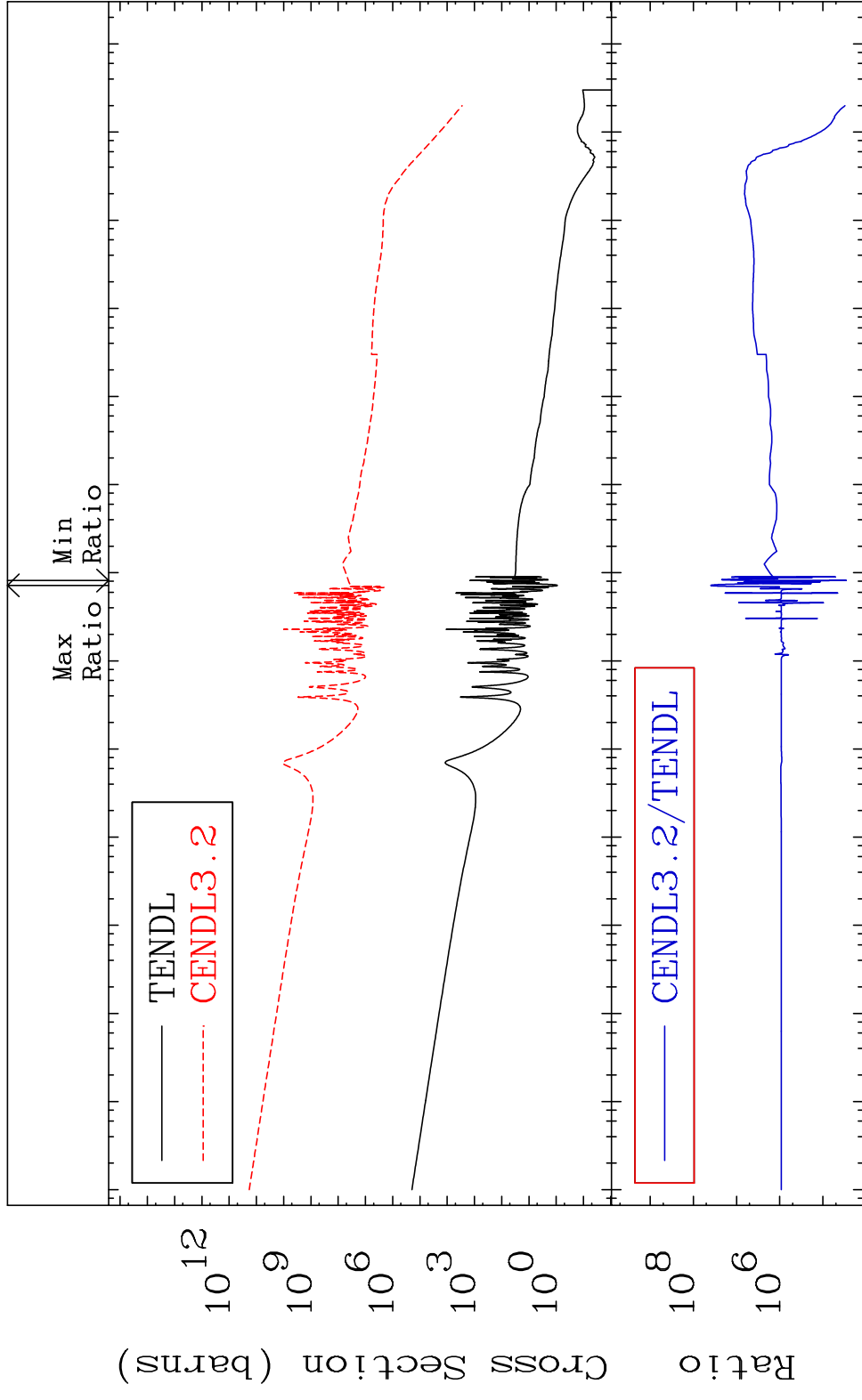


MAT 9852 Kerma fission (mt18 or mt19-20-21-38) 98-Cf-249
 Cross Section -91.56 To 2069. %



MAT 9852

Kerma capture (mt102) 98-Cf-249
Cross Section 9999. To 9999. %

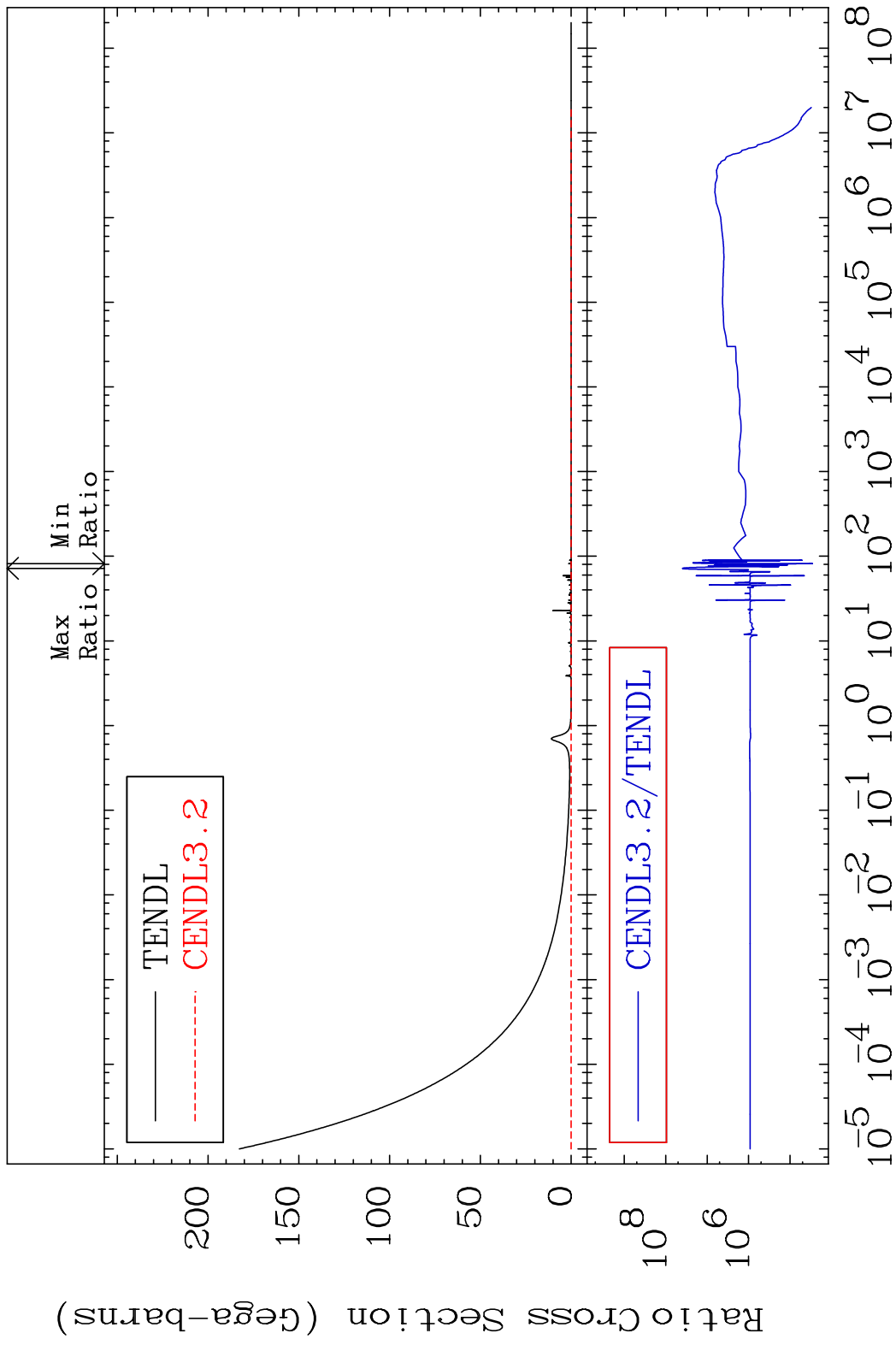


33

Incident Energy (eV)

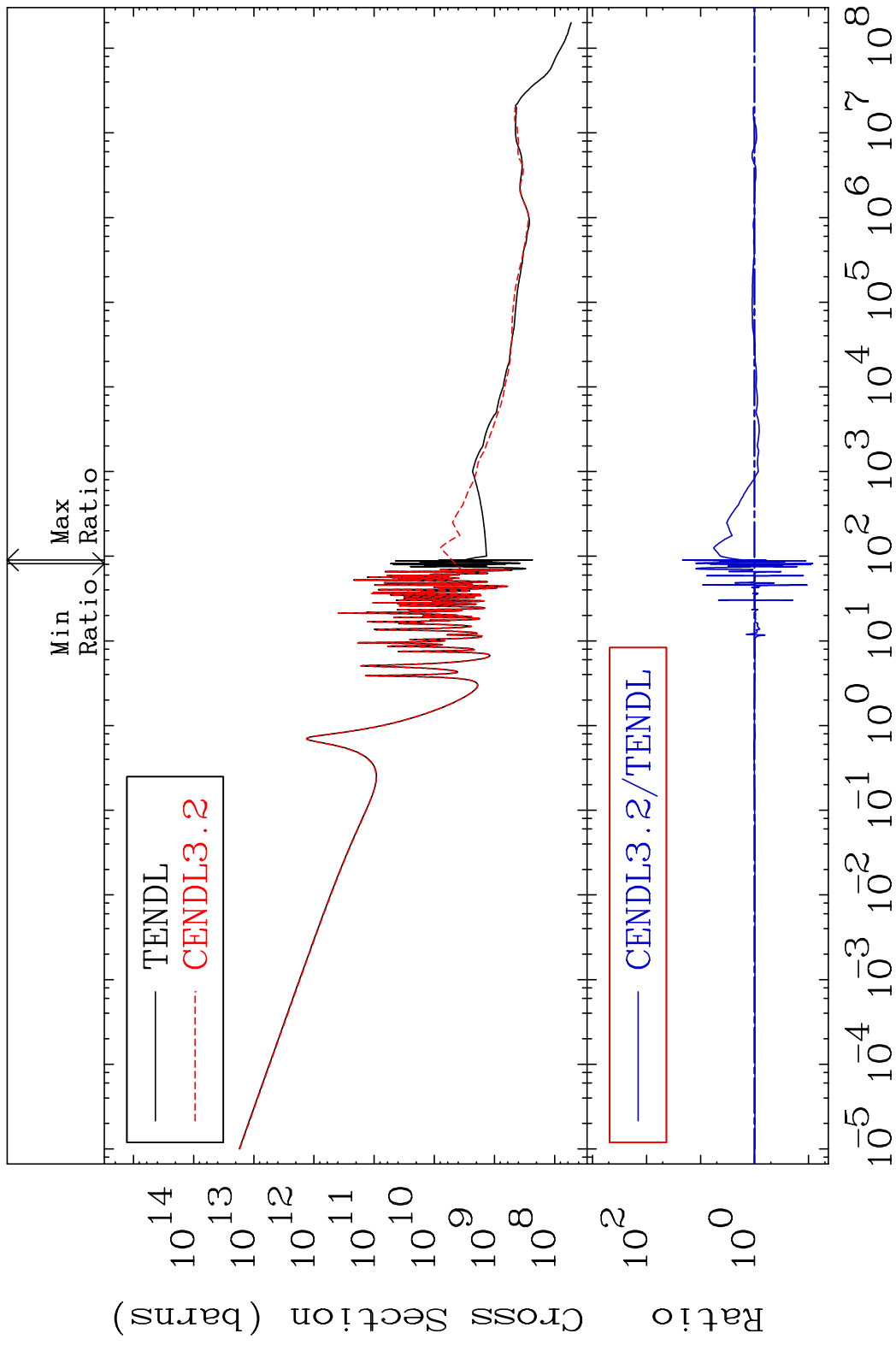
98-Cf-249

MAT 9852 Total photon (eV-barns) 98-Cf-249
 Cross Section 9999. To 9999. %



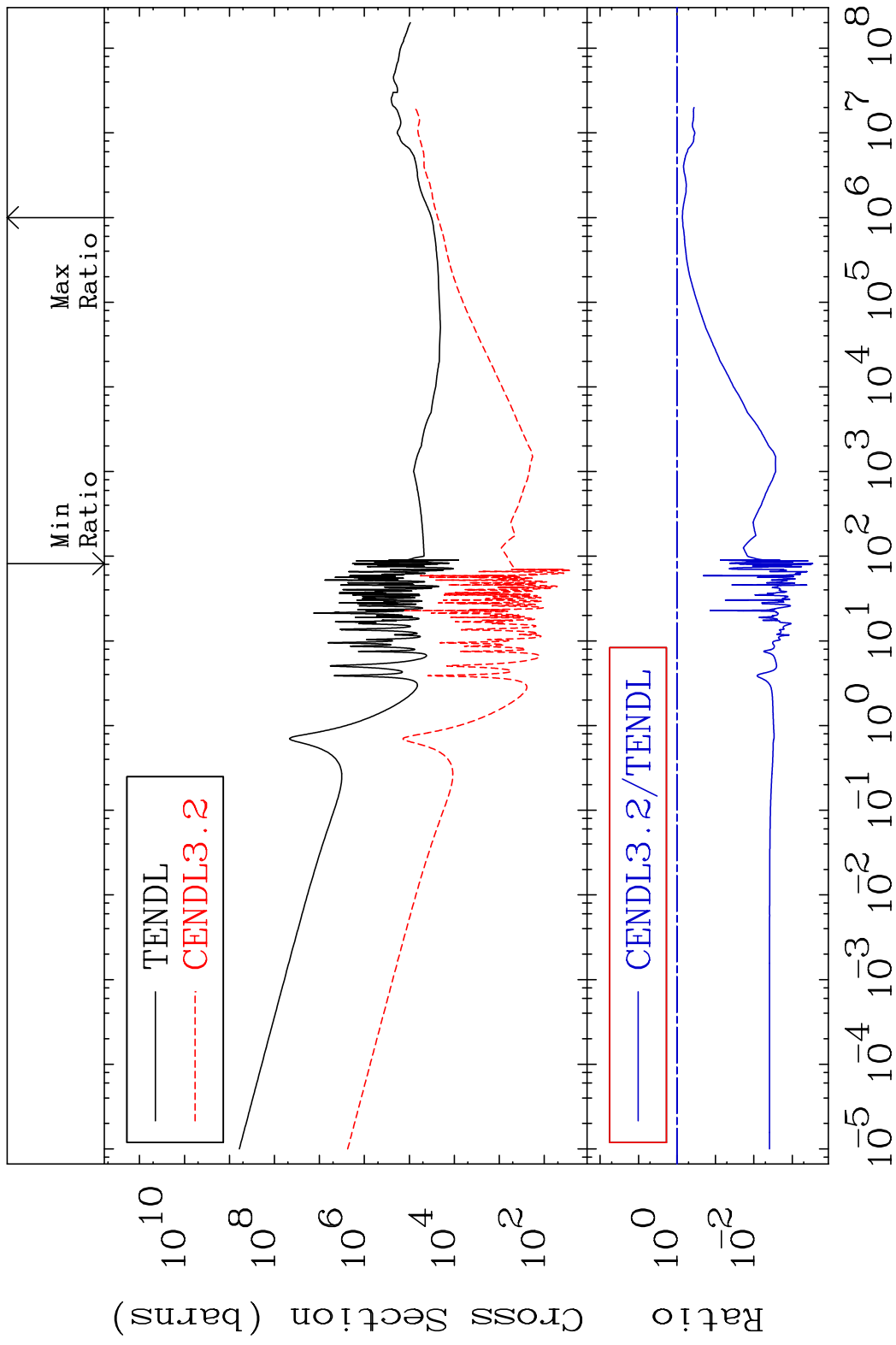
34 Incident Energy (eV) 98-Cf-249

MAT 9852 Total kinematic kerma (high limit) 98-Cf-249
 Cross Section -91.56 To 2069. %



35 Incident Energy (eV) 98-Cf-249

MAT 9852 Dpa total (eV-barns) 98-Cf-249
 Cross Section -99.97 To -27.56%

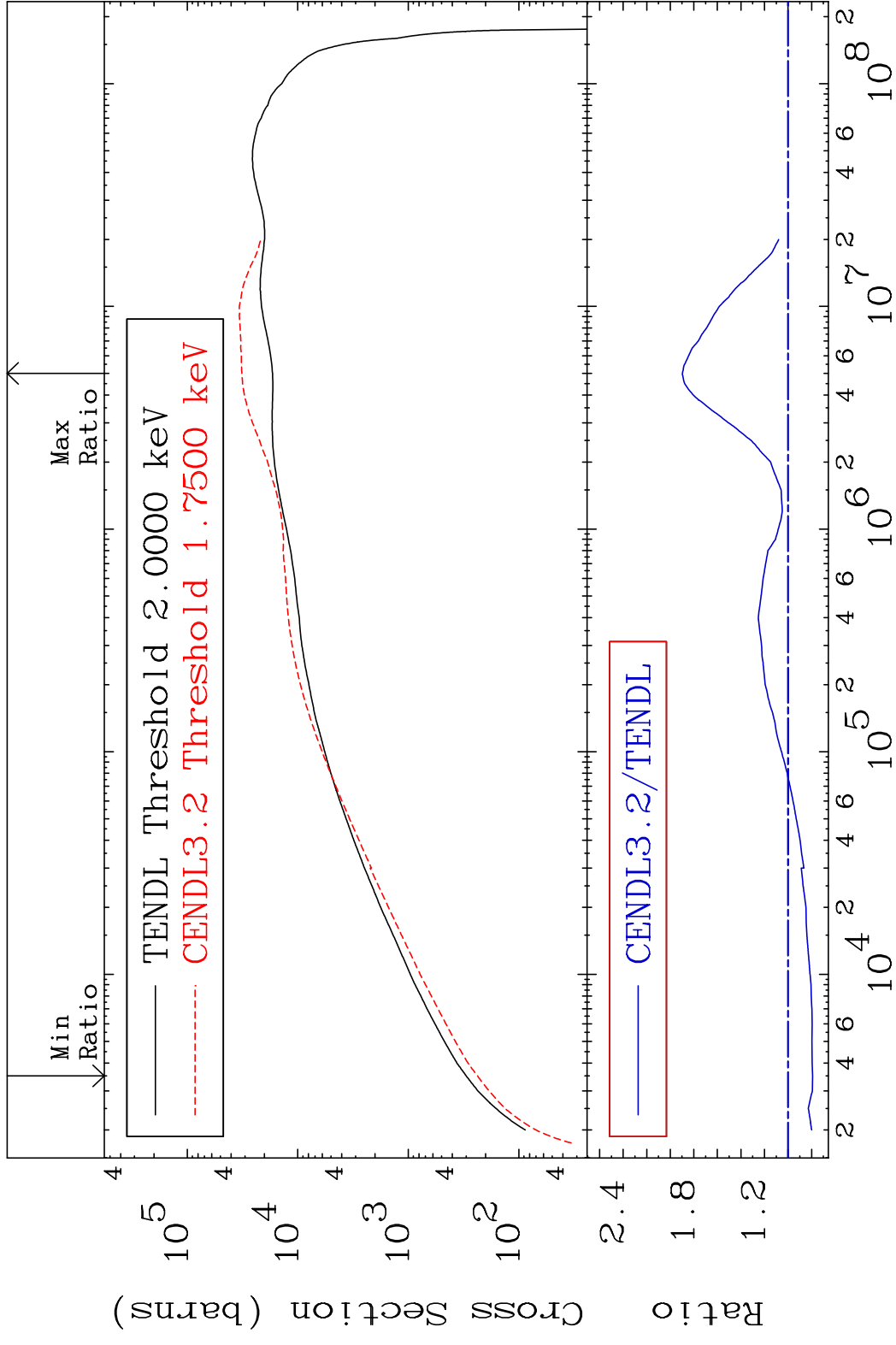


MAT 9852

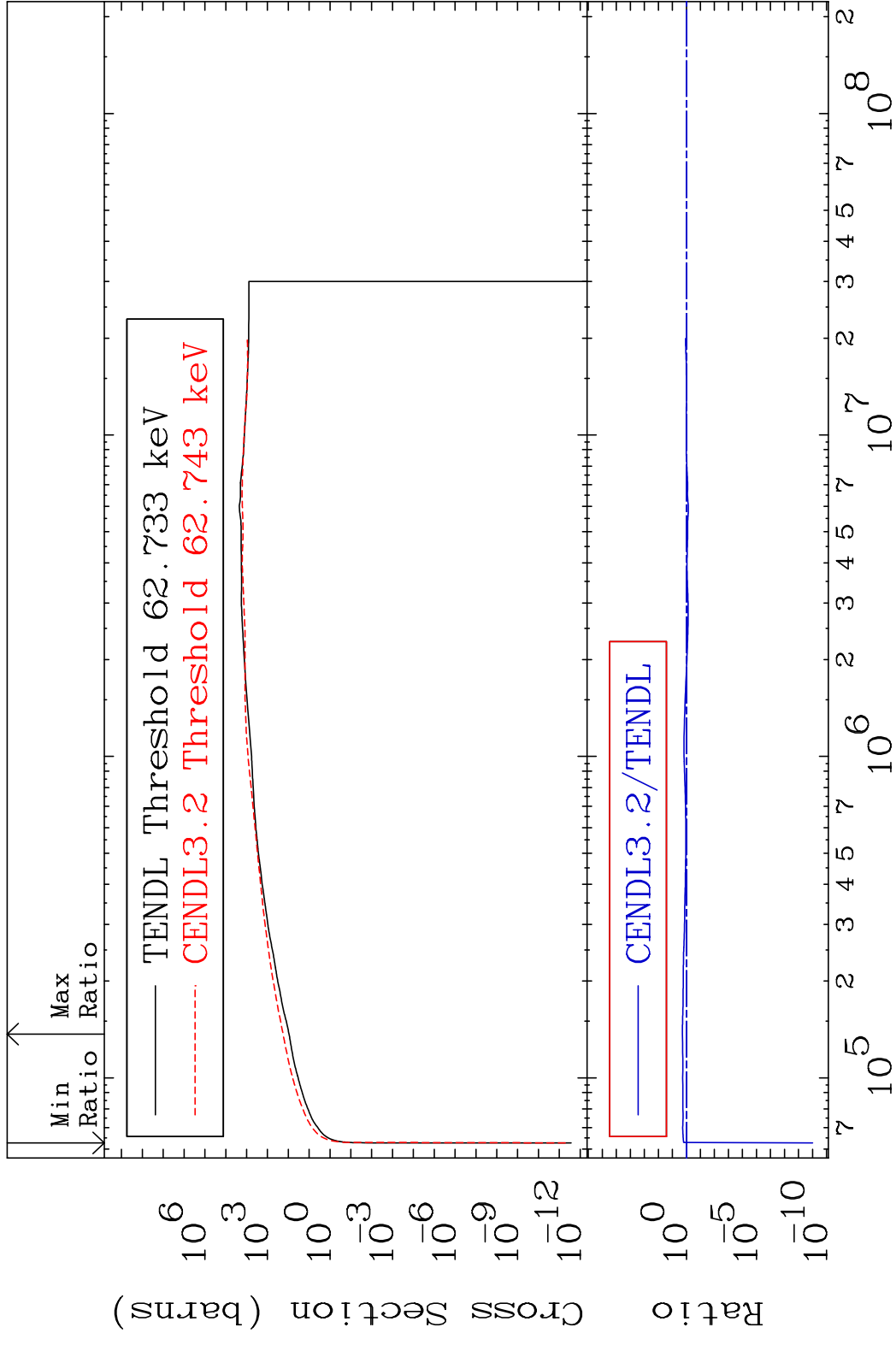
Dpa elastic (mt2)

98-Cf-249

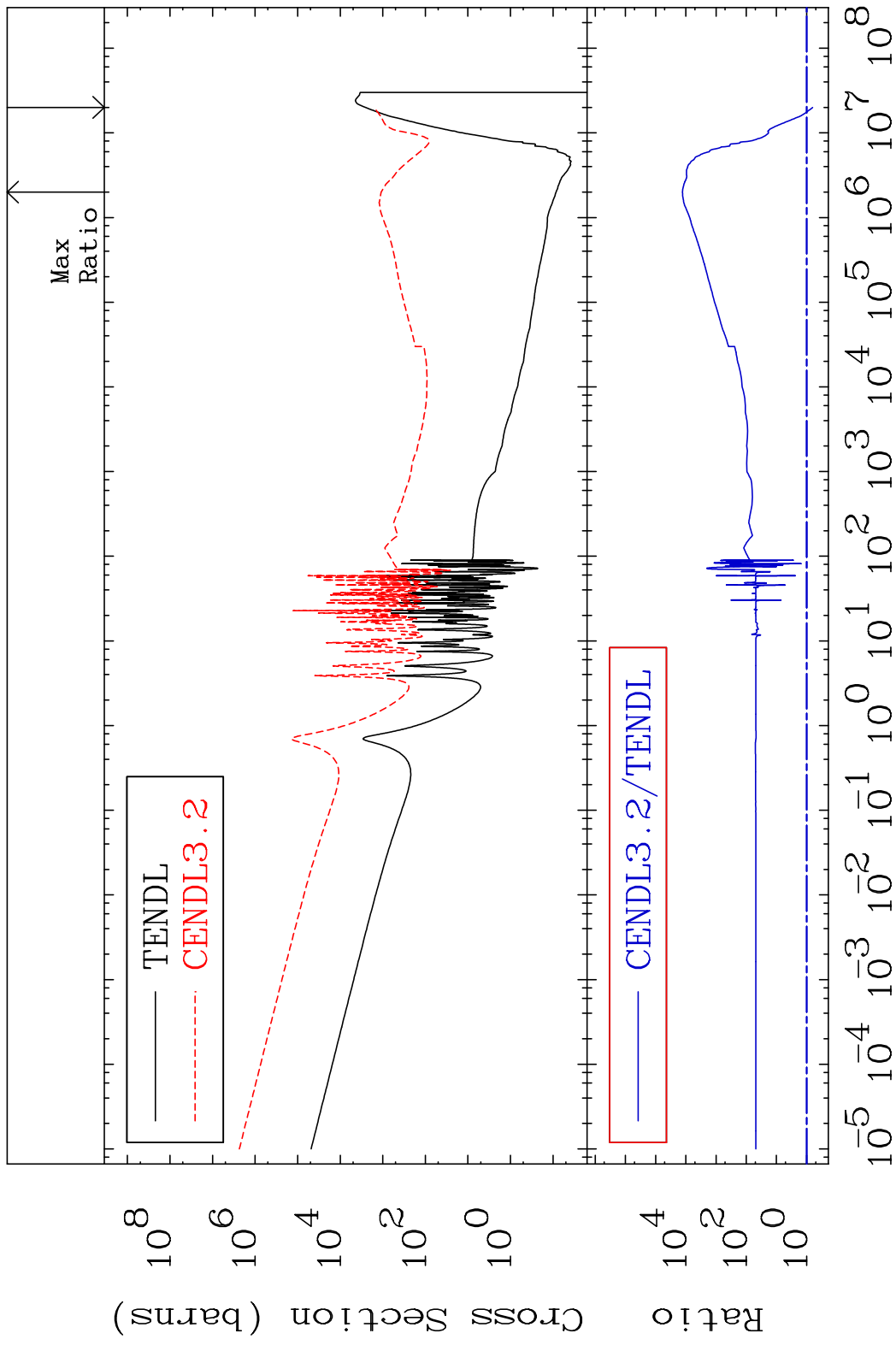
Cross Section -20.83 To 89.74 %



MAT 9852 Dpa inelastic (mt51-91) 98-Cf-249
 Cross Section -100.0 To 93.95 %



MAT 9852 Dpa disappearance (mt102 -120) 98-Cf-249
 Cross Section -36.14 To 9999. %



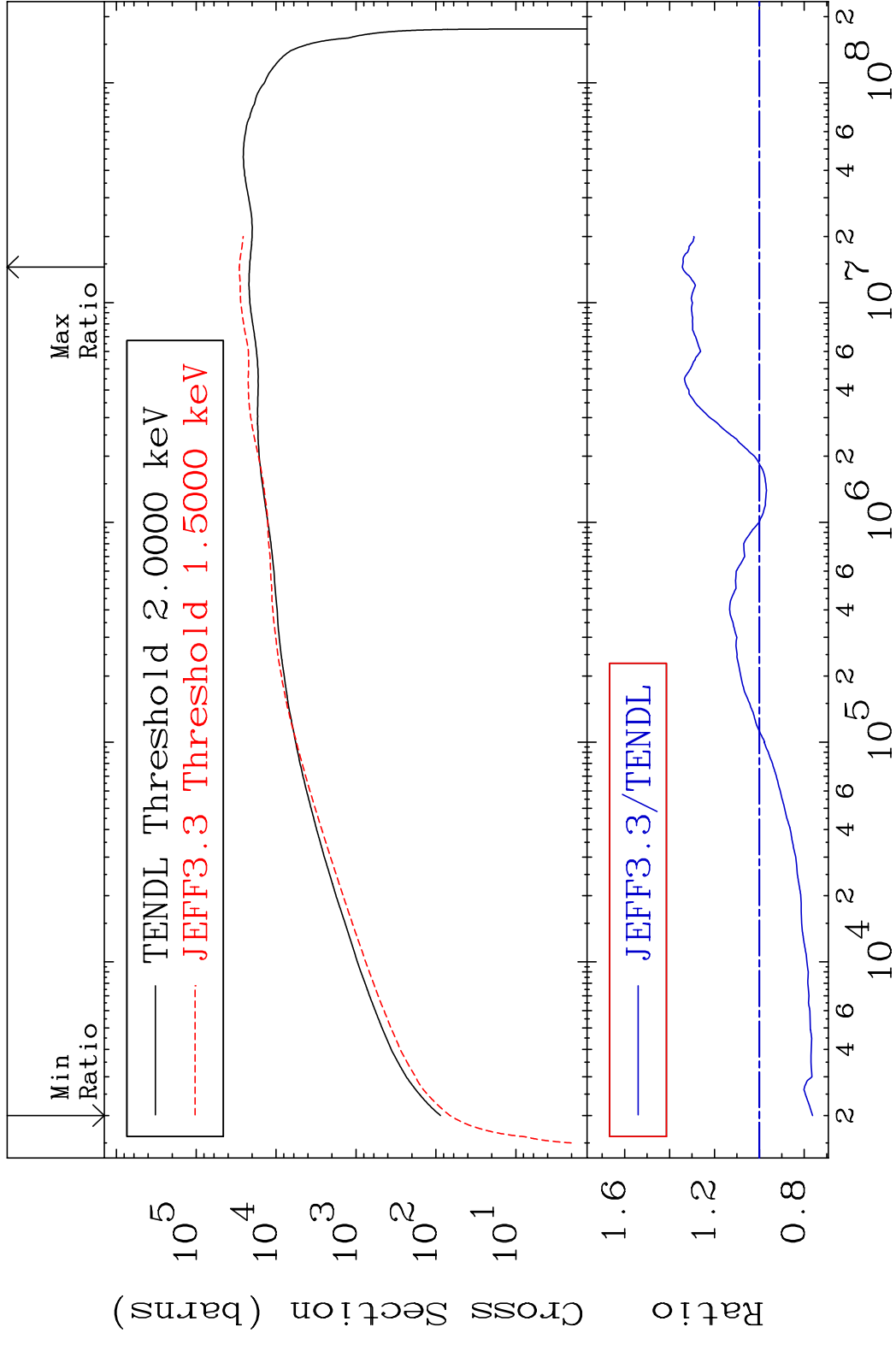
MAT 9852

Dpa elastic (mt2)

98-Cf-249

Cross Section

-23.69 To 34.31 %

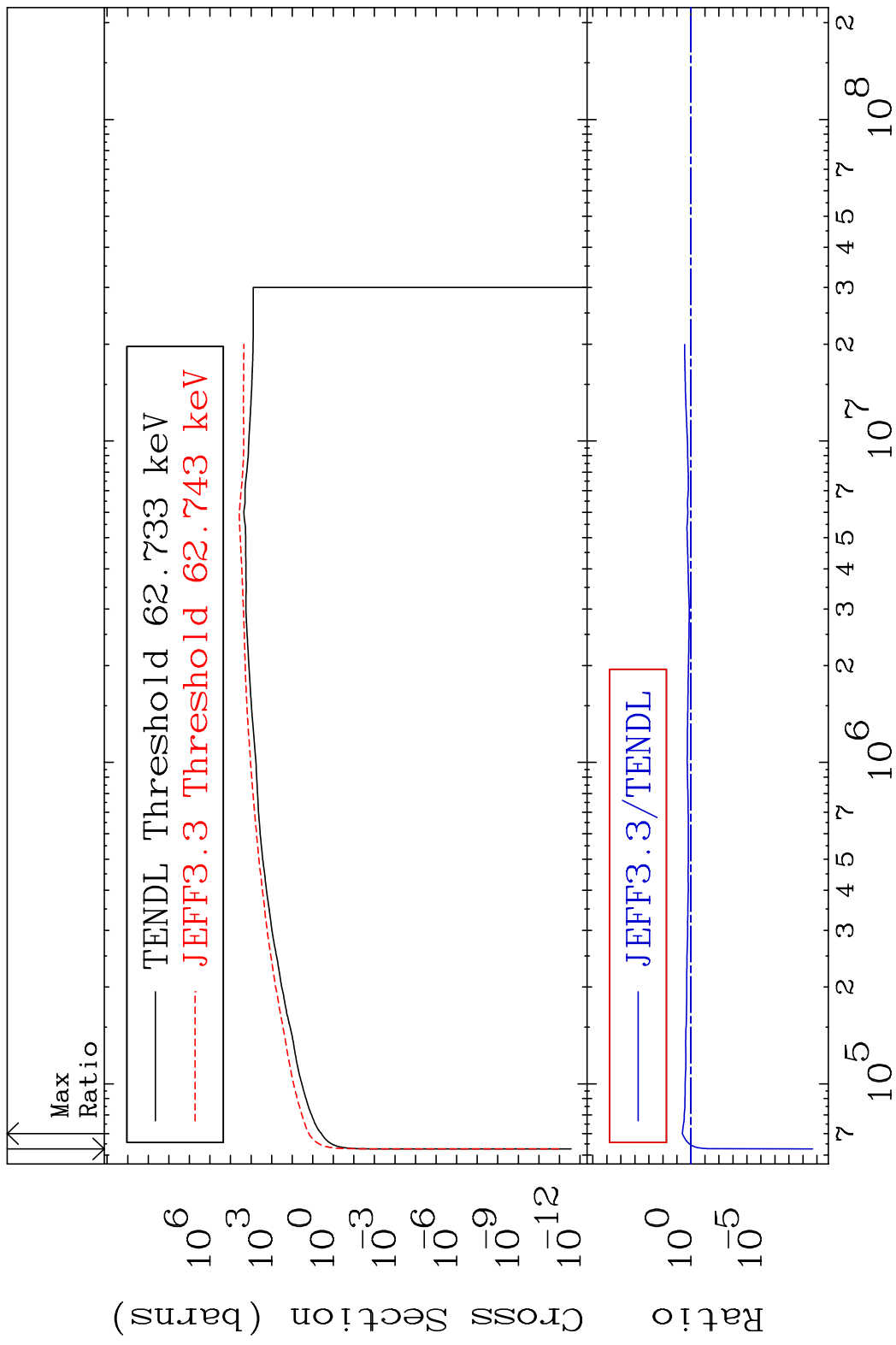


40

Incident Energy (eV)

98-Cf-249

MAT 9852 Dpa inelastic (mt51-91) 98-Cf-249
 Cross Section -100.0 To 308.3 %



MAT 9852 Dpa disappearance (mt102 -120) 98-Cf-249
 Cross Section -100.0 To 7491. %

