

Program Complot
(Version 2021-1)

by

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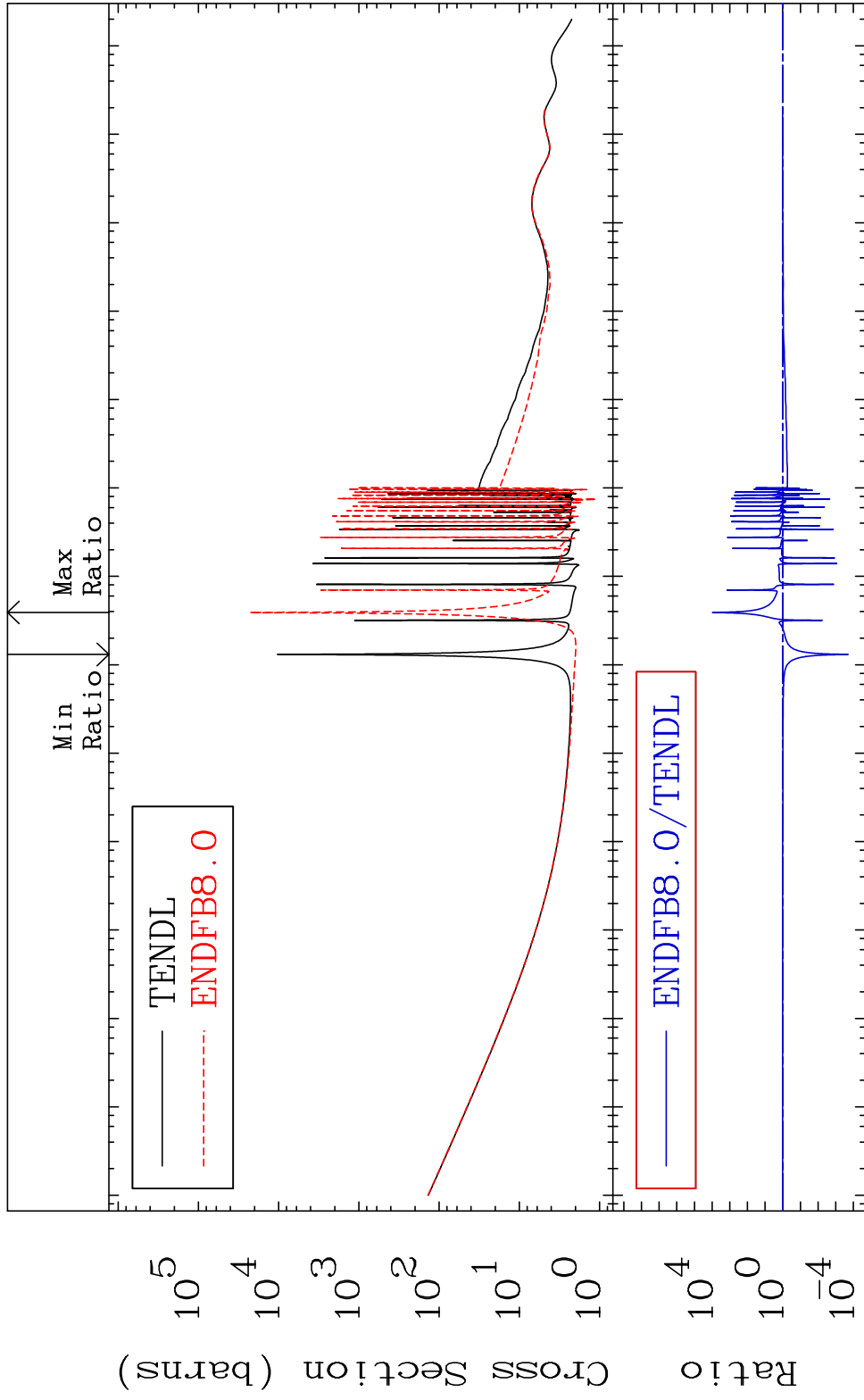
Press Mouse Button to Start

MAT 5731

Total

57-La-140

Cross Section -99.98 To 9999. %



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

1

Incident Energy (eV)

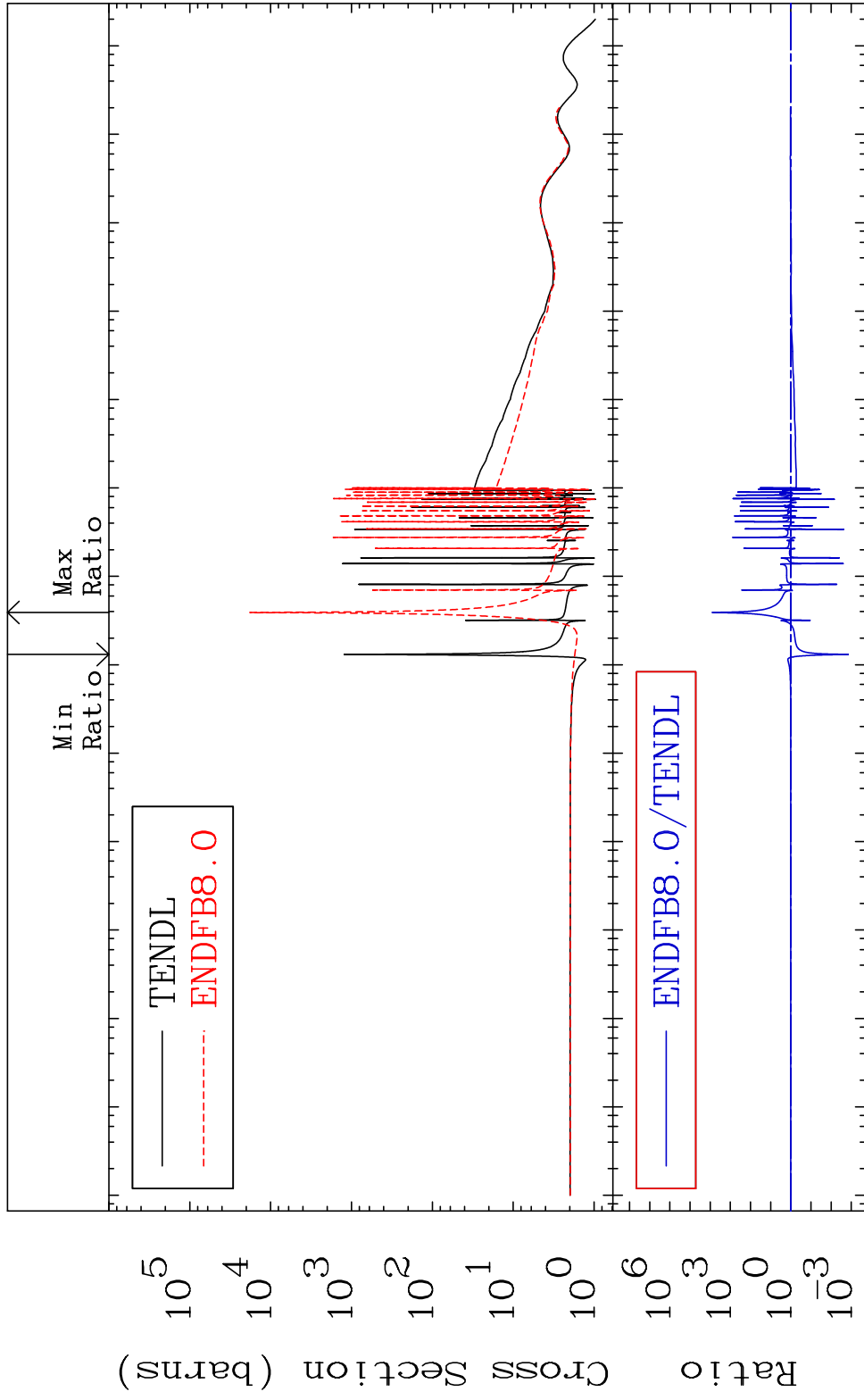
57-La-140

MAT 5731

Elastic

57-La-140

Cross Section -99.86 To 9999. %

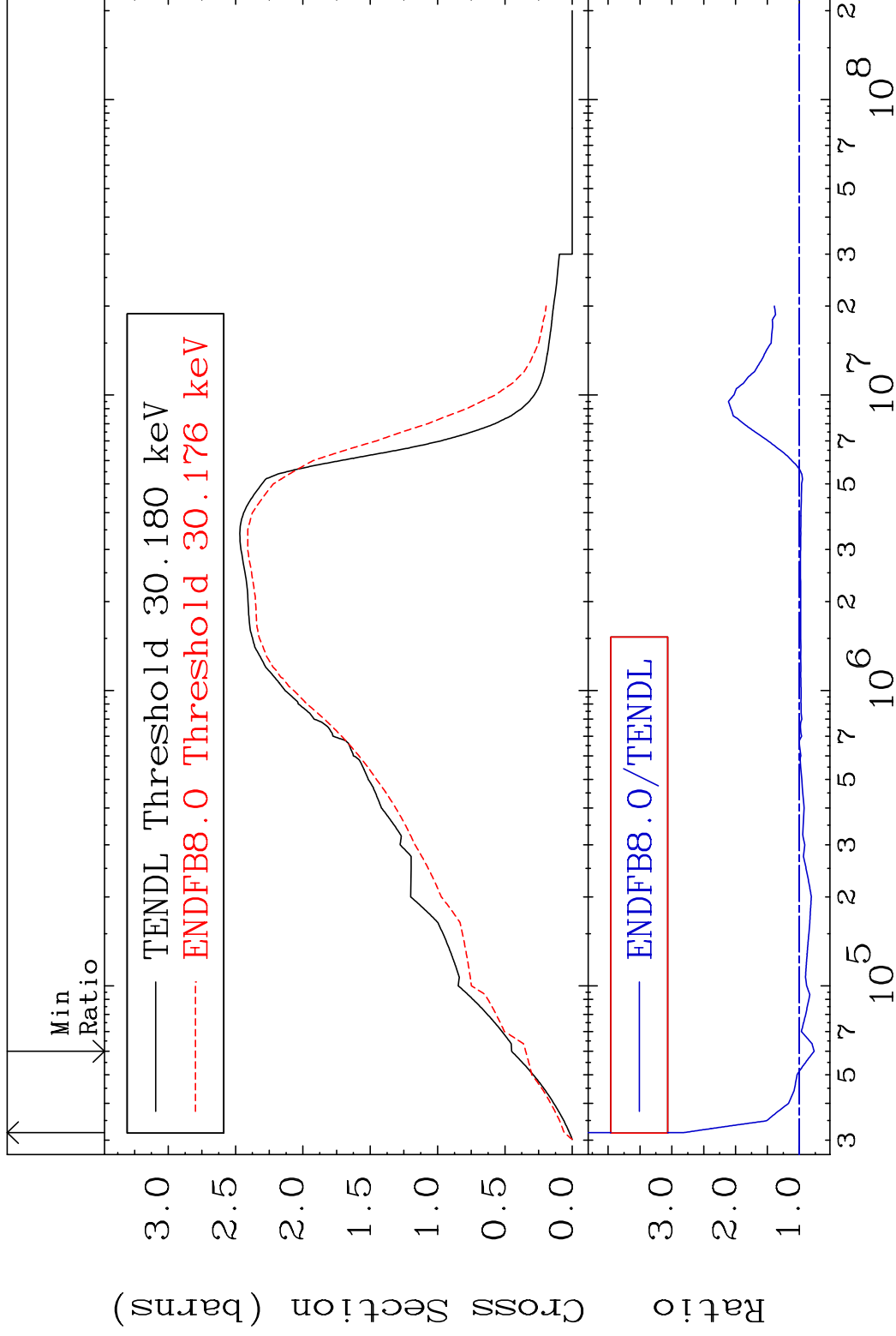


MAT 5731

Inelastic

57-La-140

Cross Section -23.29 To 181.5 %



3

Incident Energy (eV)

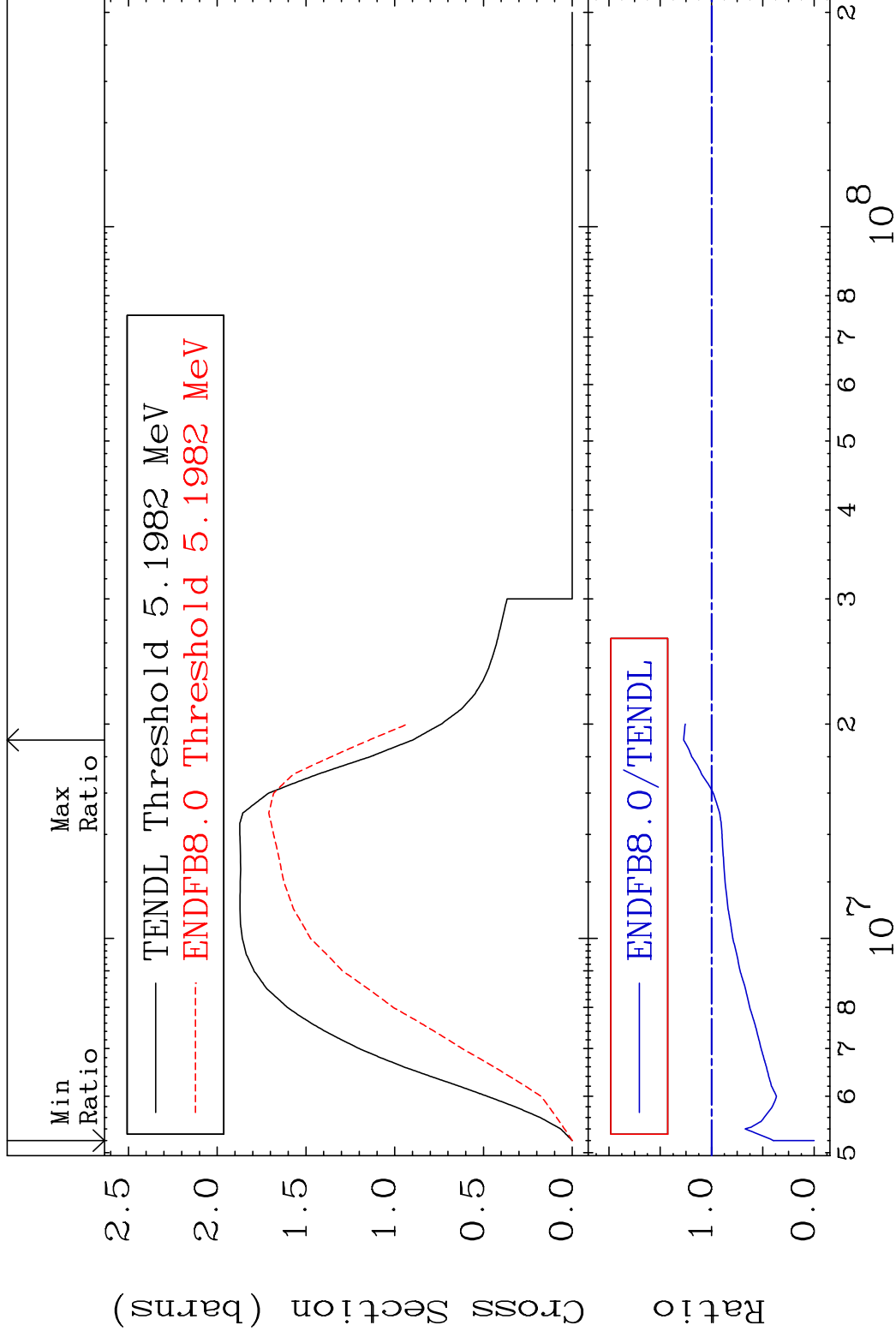
57-La-140

MAT 5731

(n,2n)

57-La-140

Cross Section -100.0 To 27.18 %



4

Incident Energy (eV)

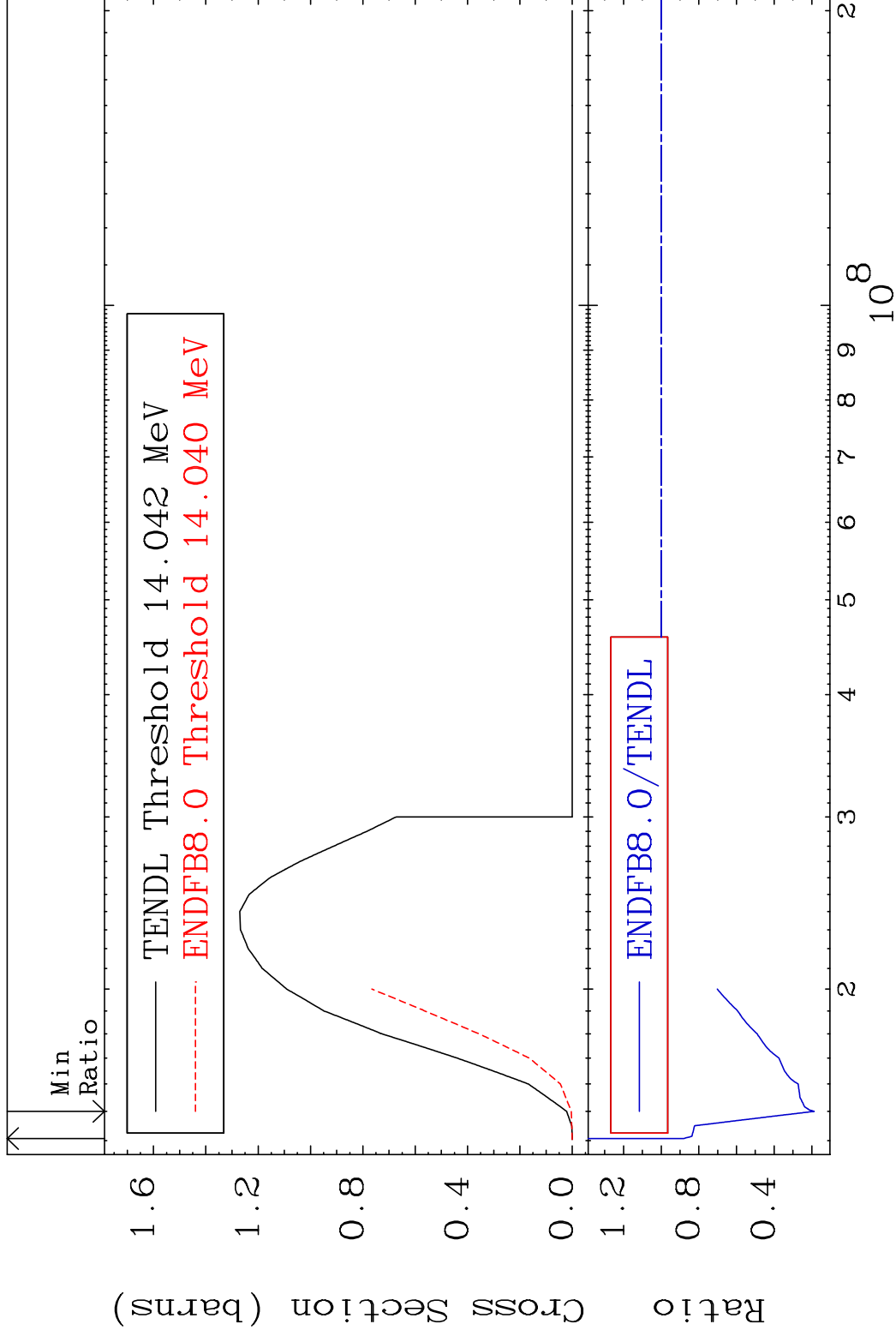
57-La-140

MAT 5731

(n,3n)

57-La-140

Cross Section -81.23 To -11.93%



5

Incident Energy (eV)

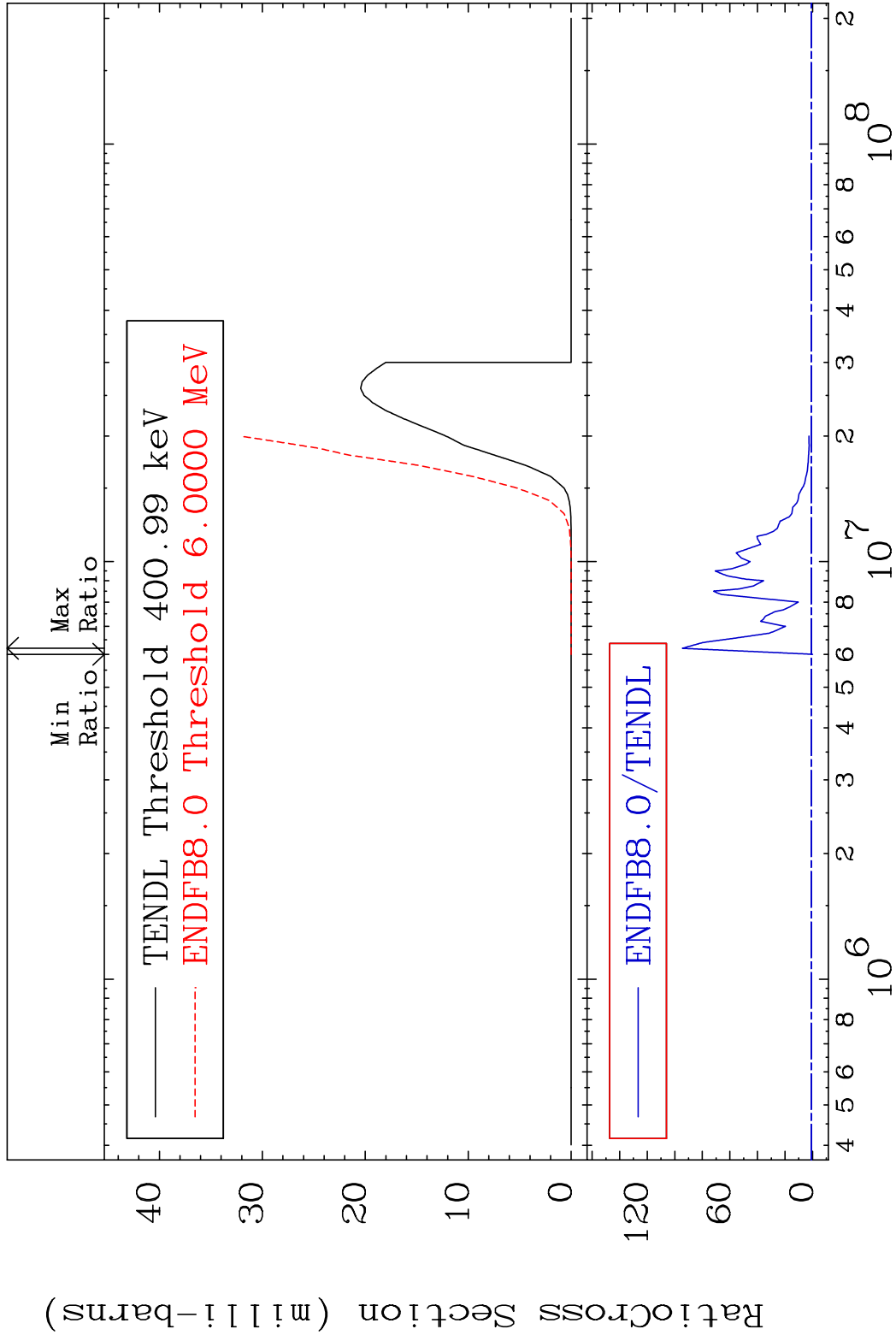
57-La-140

MAT 5731

(n, n') α

57-La-140

Cross Section -100.0 To 9350. %



6

Incident Energy (eV)

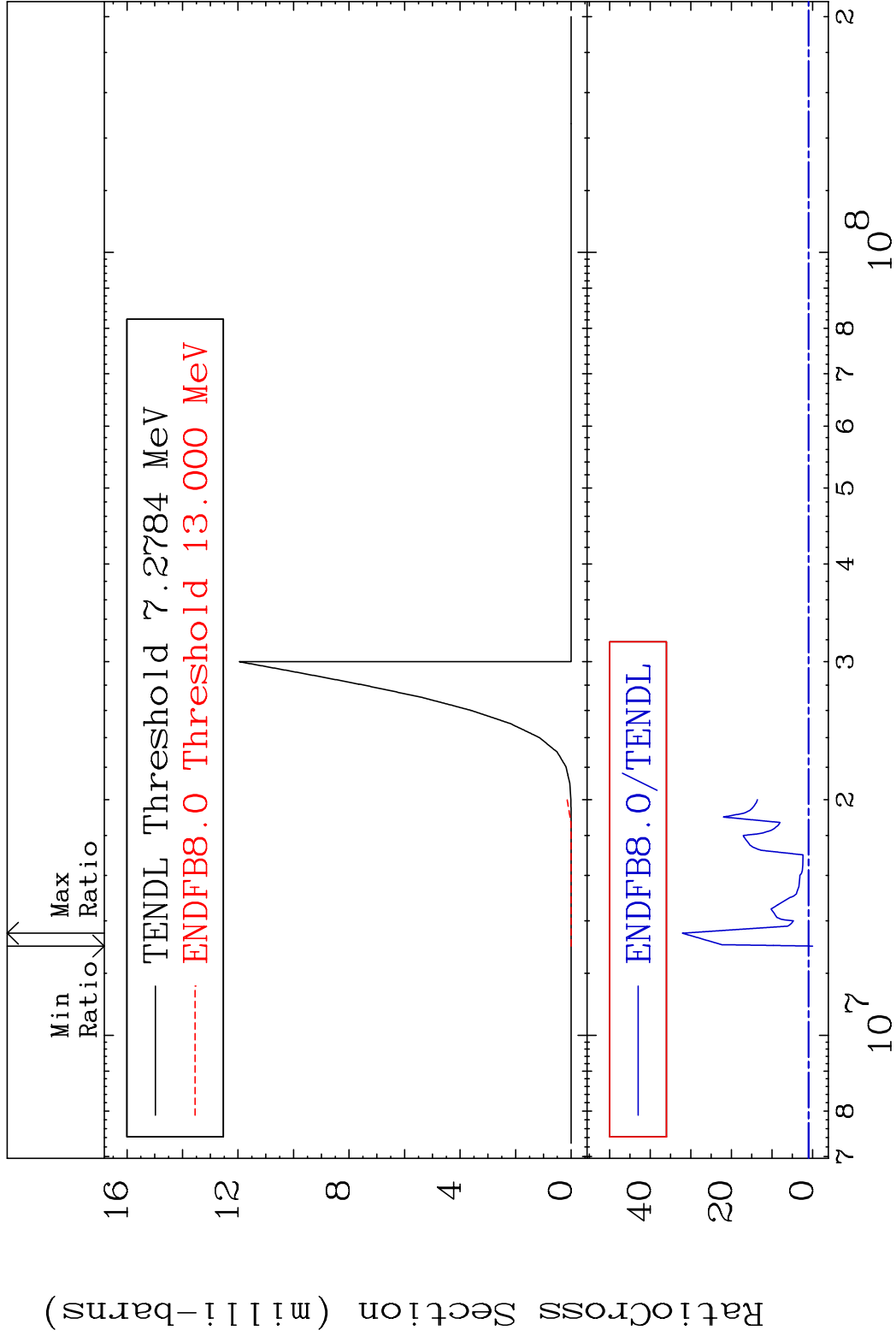
57-La-140

MAT 5731

(n,2n) α

57-La-140

Cross Section -100.0 To 3108. %



7

Incident Energy (eV)

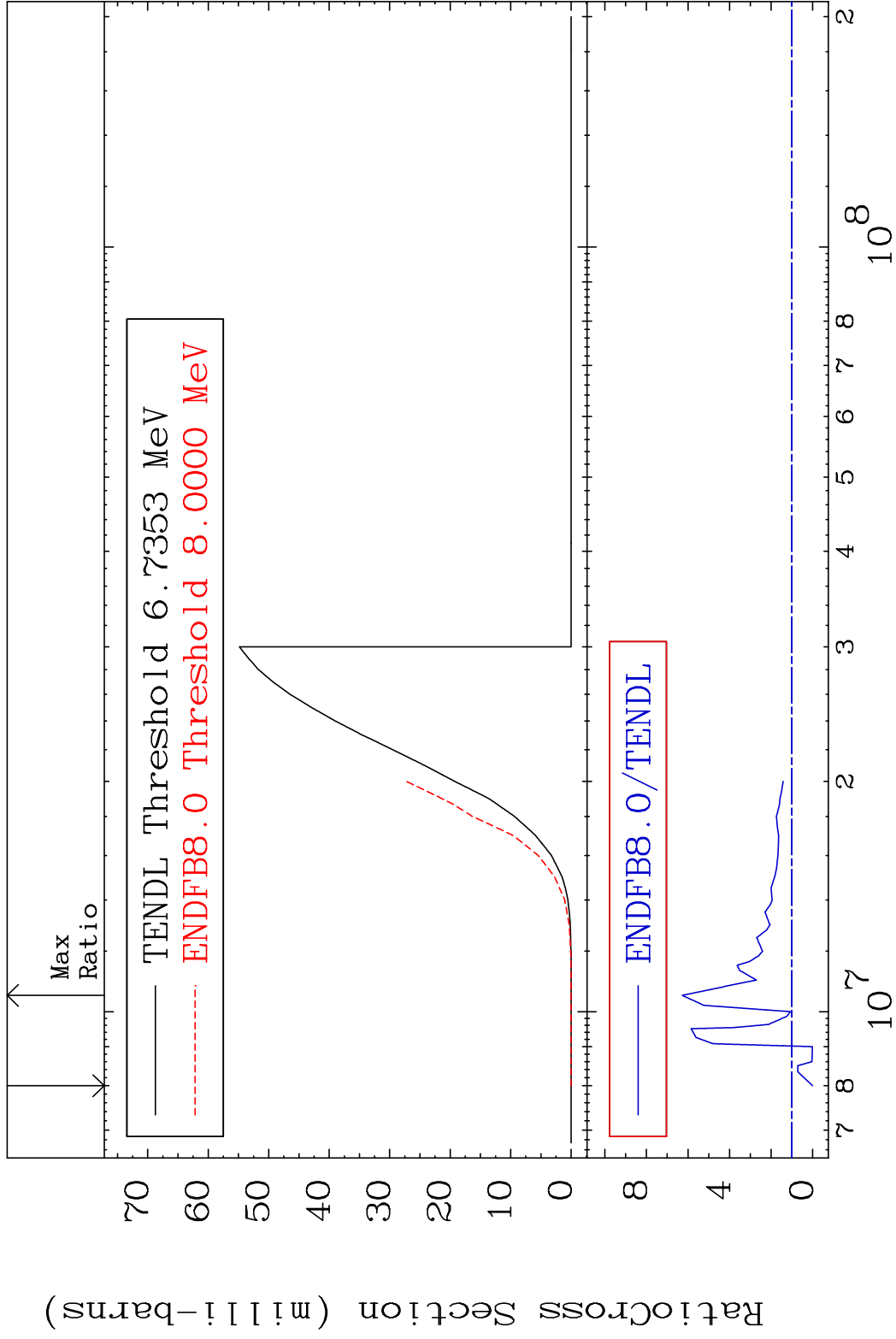
57-La-140

MAT 5731

(n, n') p

57-La-140

Cross Section -100.0 To 527.1 %



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Incident Energy (eV)

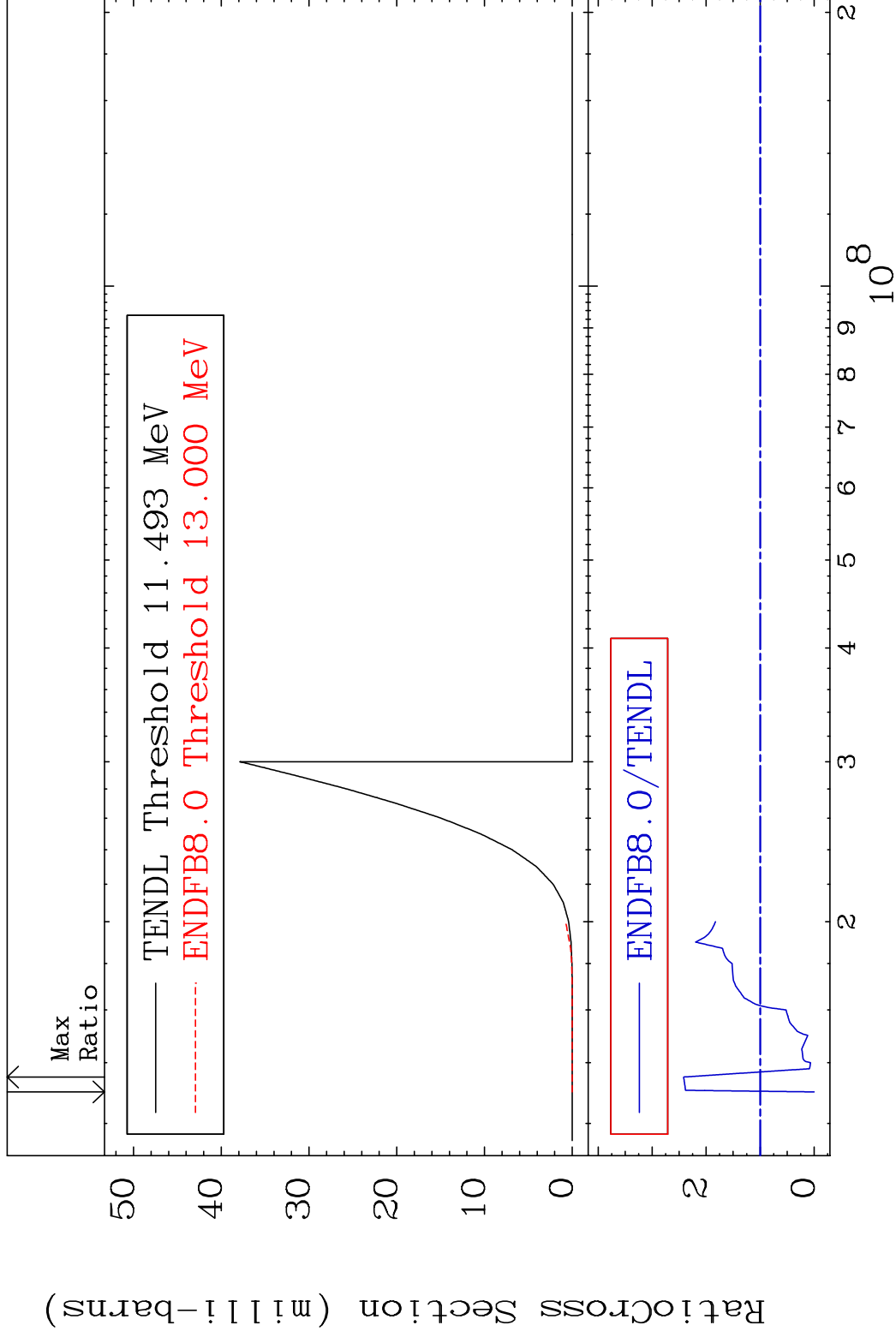
57-La-140

MAT 5731

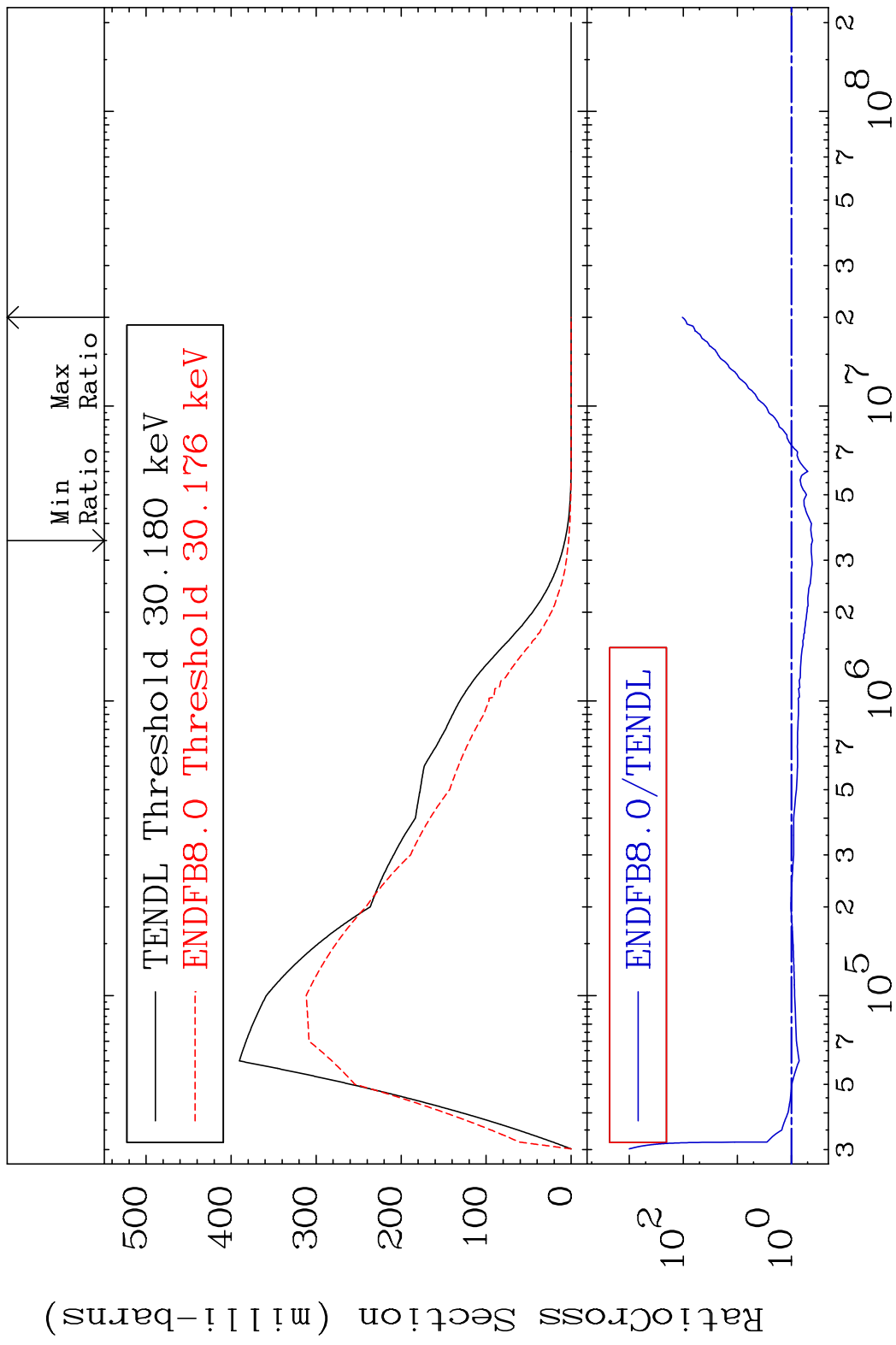
(n,2n) p

57-La-140

Cross Section -100.0 To 141.7 %

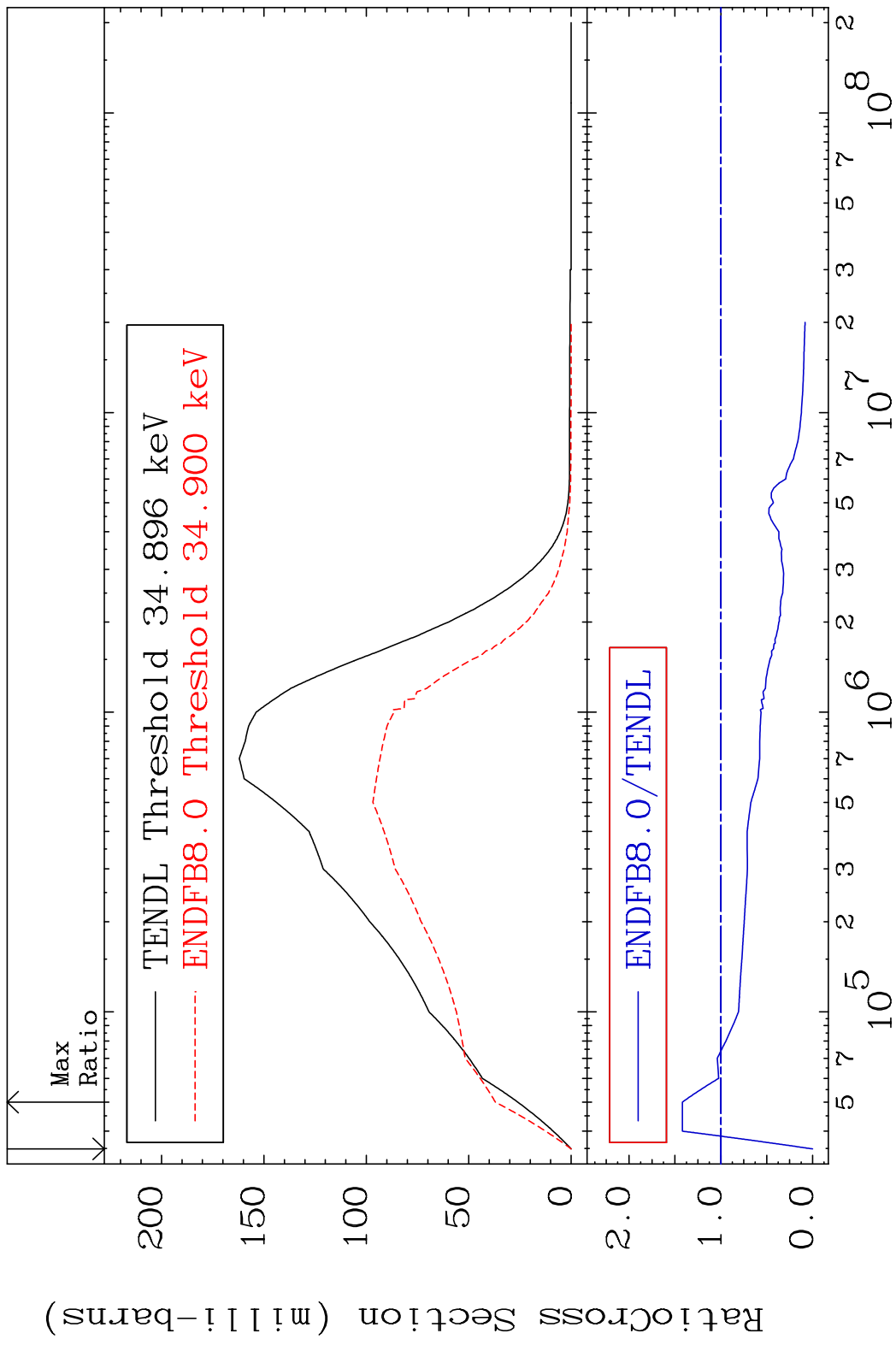


MAT 5731 MT= 51 (n,n') Level 57-La-140
 Cross Section -59.48 To 9999. %

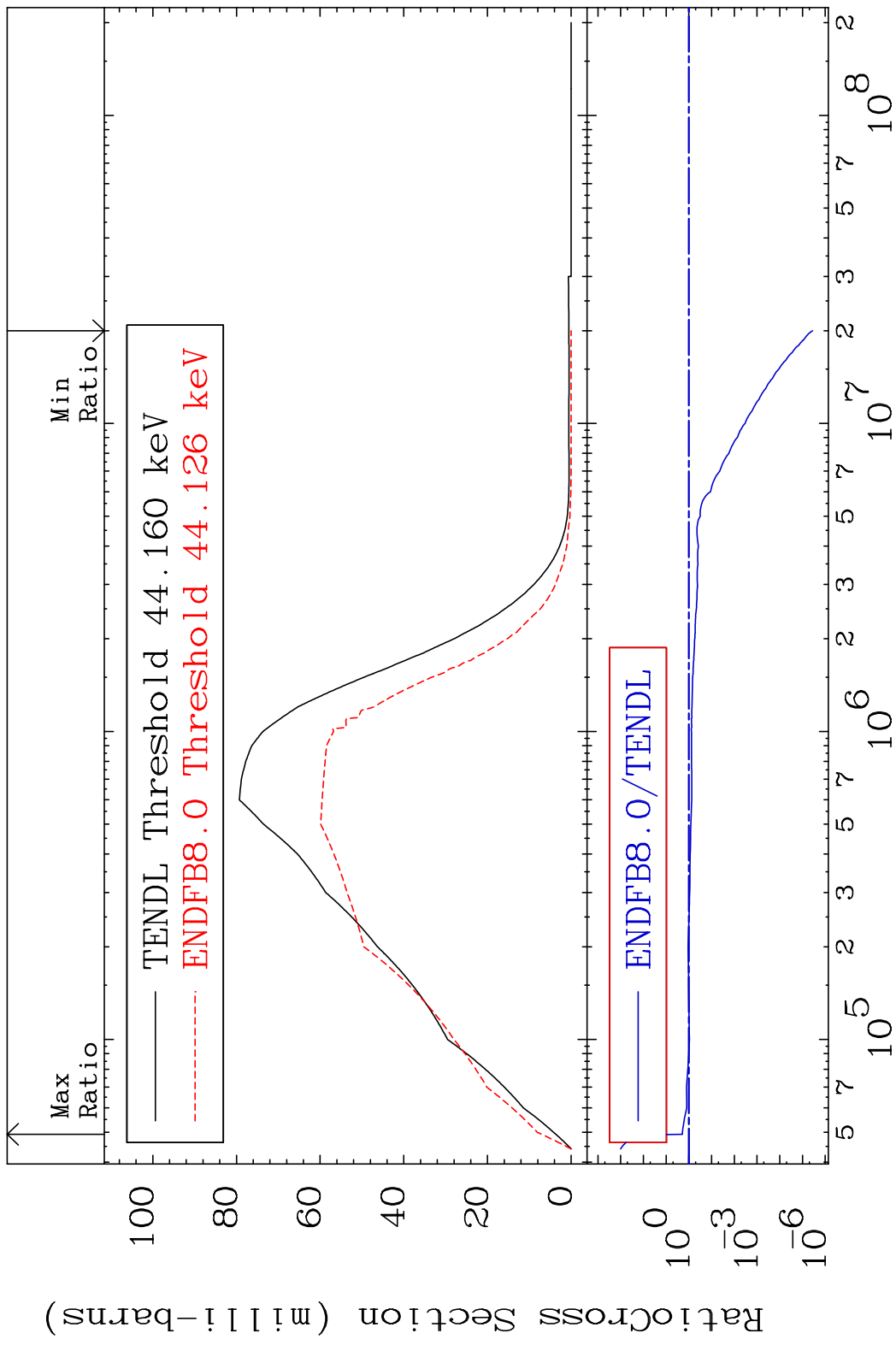


10 Incident Energy (eV) 57-La-140

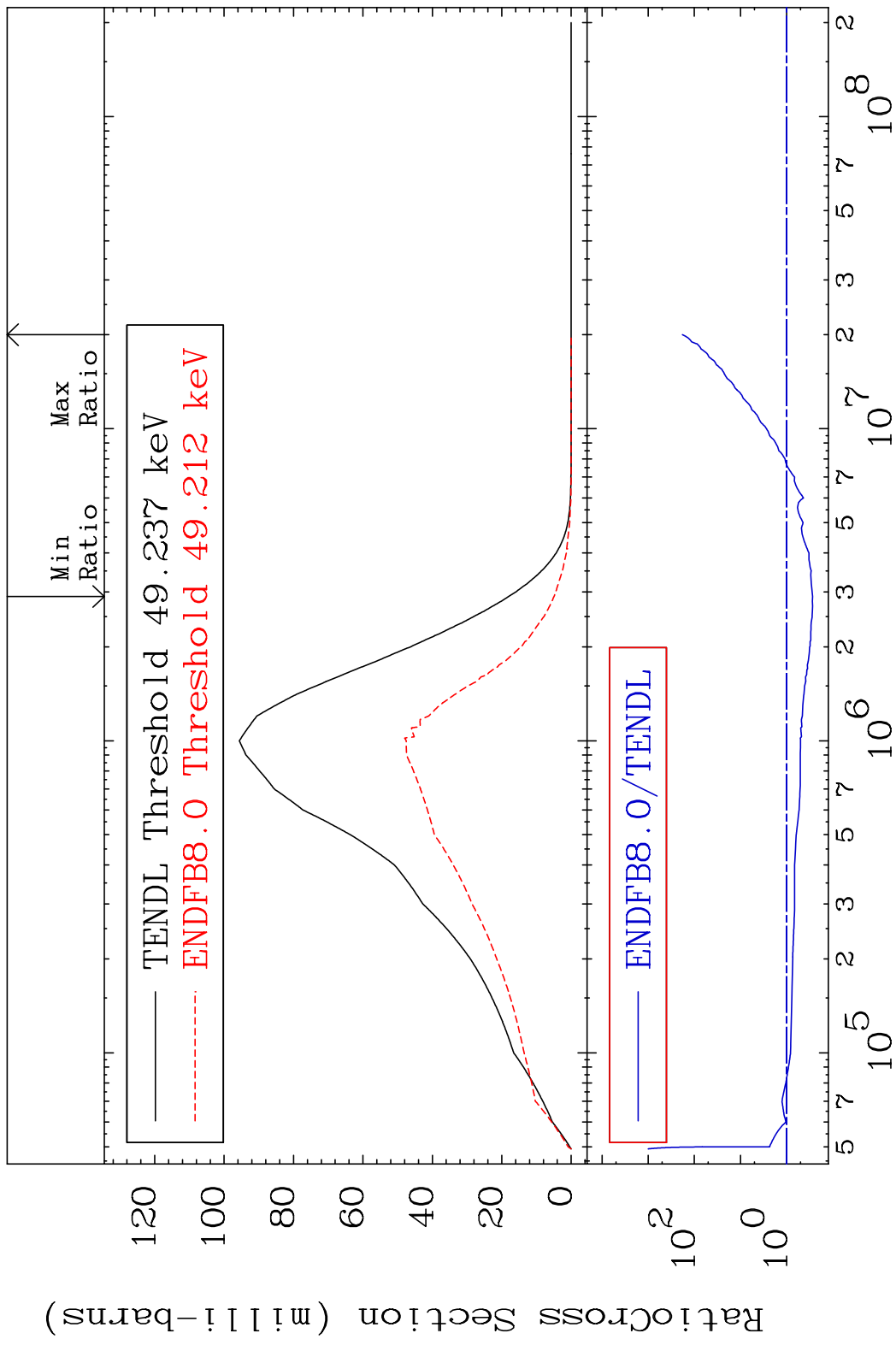
MAT 5731 MT= 52 (n,n') Level 57-La-140
 Cross Section -100.0 To 41.95 %



MAT 5731 MT= 53 (n,n') Level 57-La-140
 Cross Section -100.0 To 92.77 %



MAT 5731 MT= 54 (n, n') Level 57-La-140
 Cross Section -72.64 To 9999. %

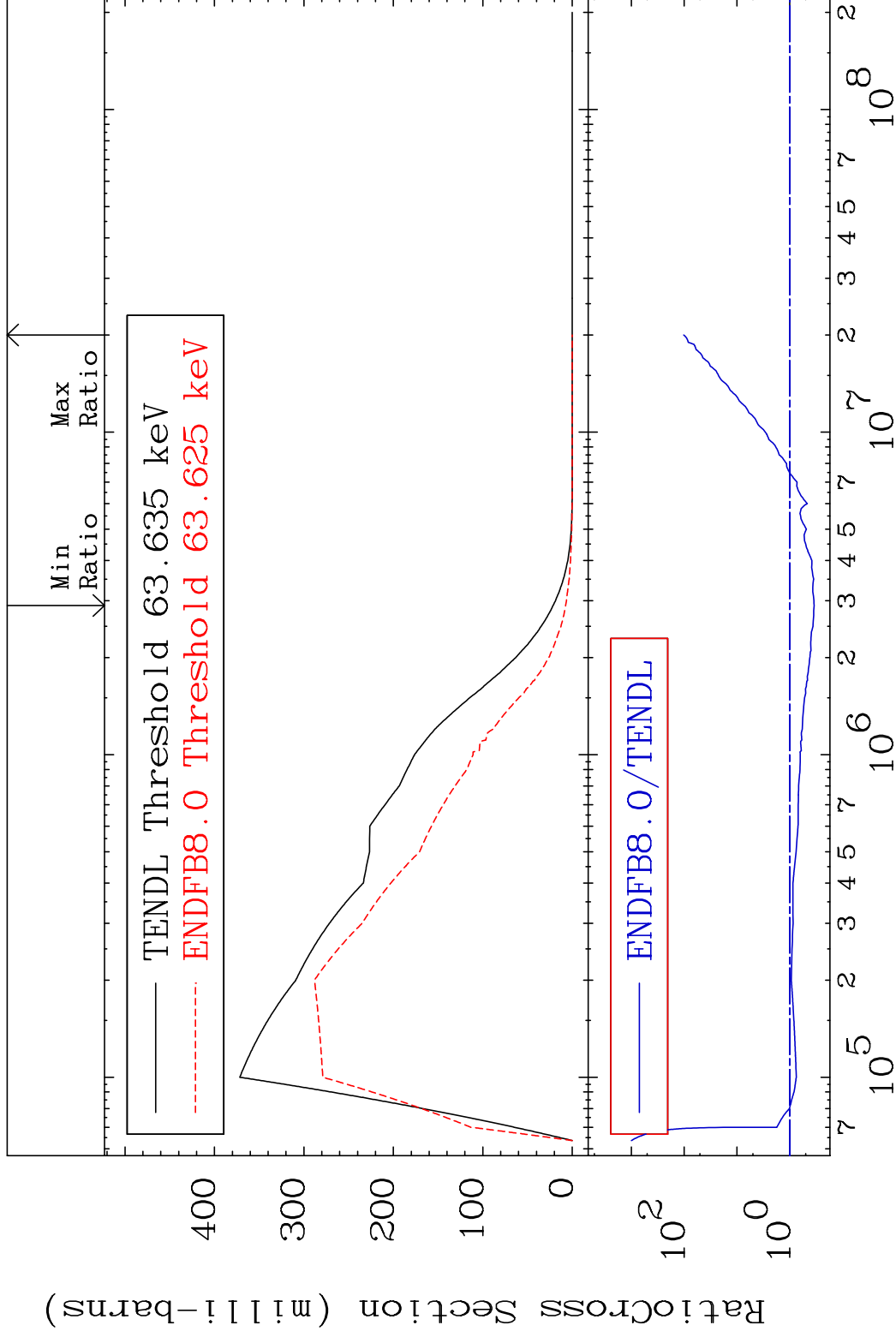


MAT 5731

MT= 55 (n, n') Level

57-La-140

Cross Section -65.49 To 9999. %

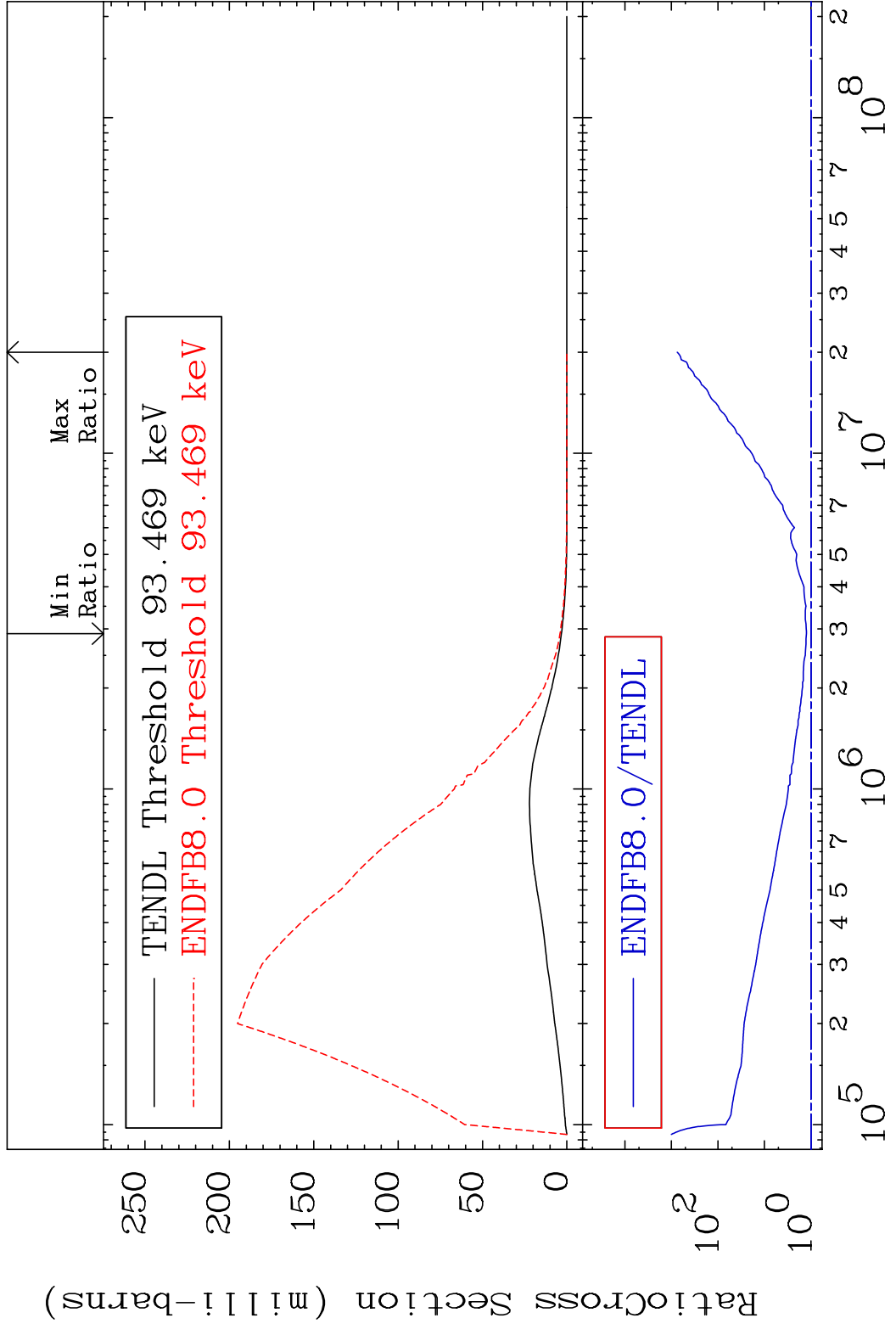


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Incident Energy (eV)

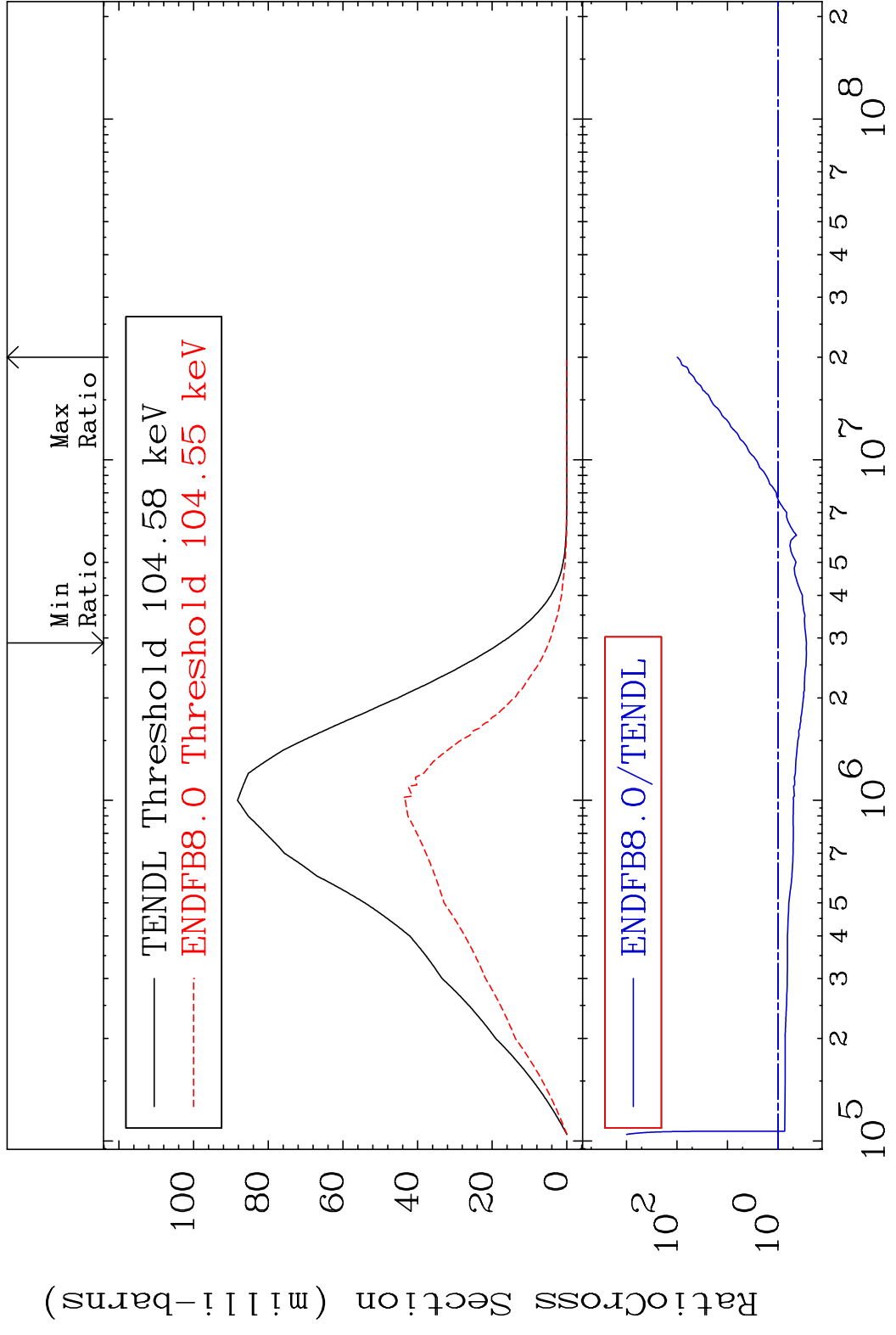
57-La-140

MAT 5731 MT= 56 (n, n') Level 57-La-140
 Cross Section 25.00 To 9999. %



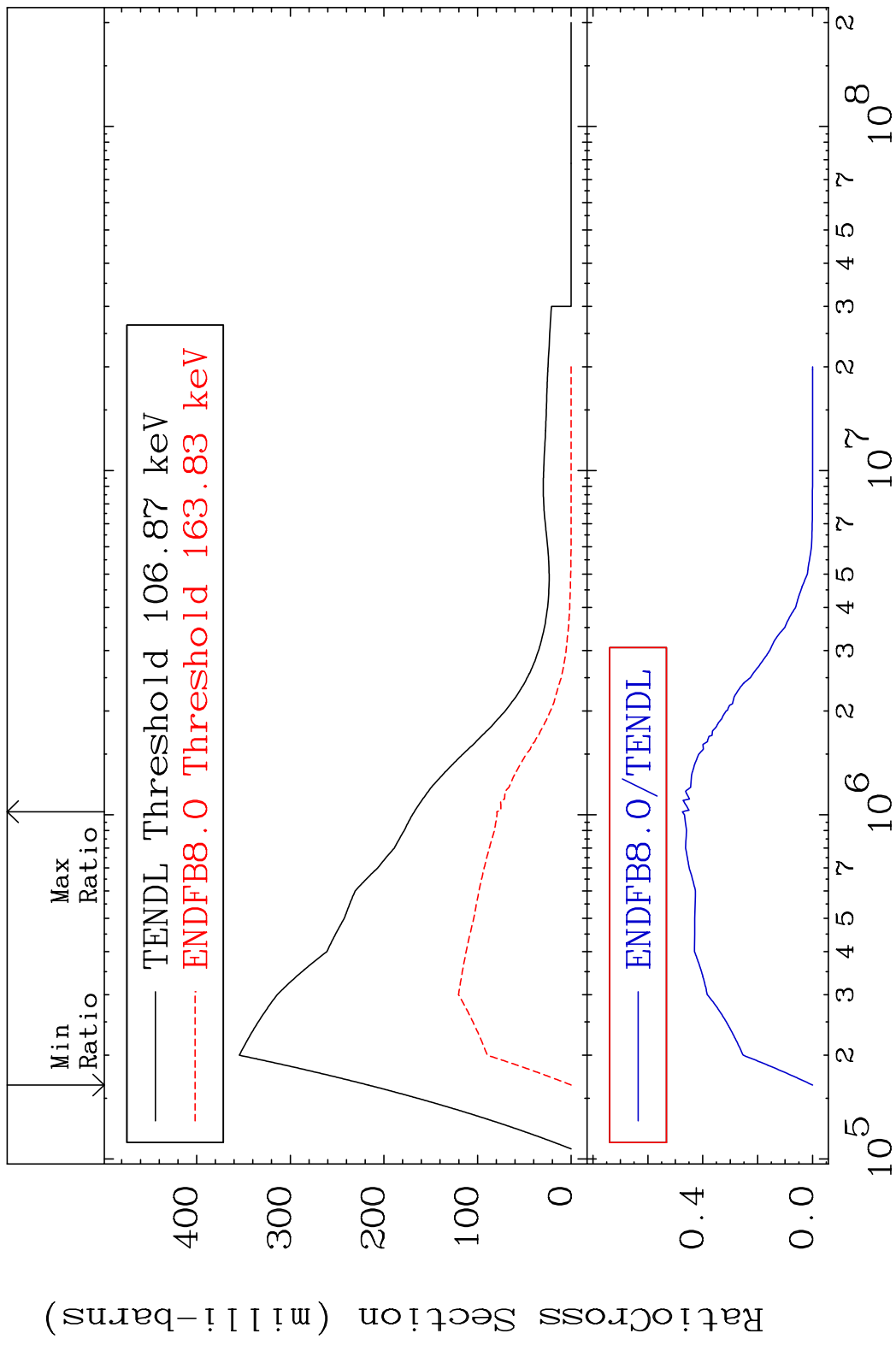
15 Incident Energy (eV) 57-La-140

MAT 5731 MT= 57 (n, n') Level 57-La-140
 Cross Section -72.70 To 9812. %



16 Incident Energy (eV) 57-La-140

MAT 5731 MT= 58 (n, n') Level 57-La-140
 Cross Section -100.0 To -52.57%



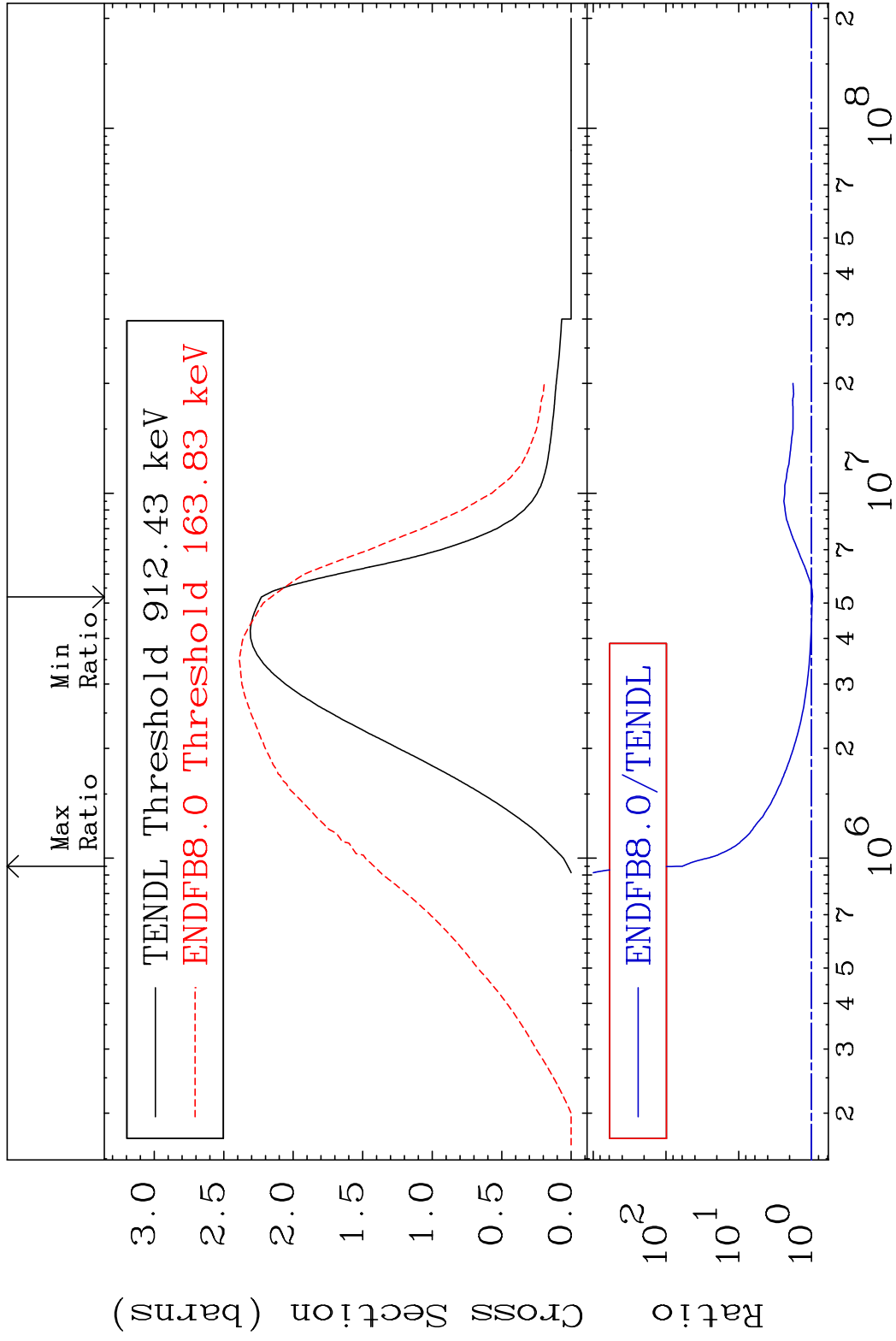
17 57-La-140

MAT 5731

(n, n') Continuum

57-La-140

Cross Section -3.186 To 5847. %

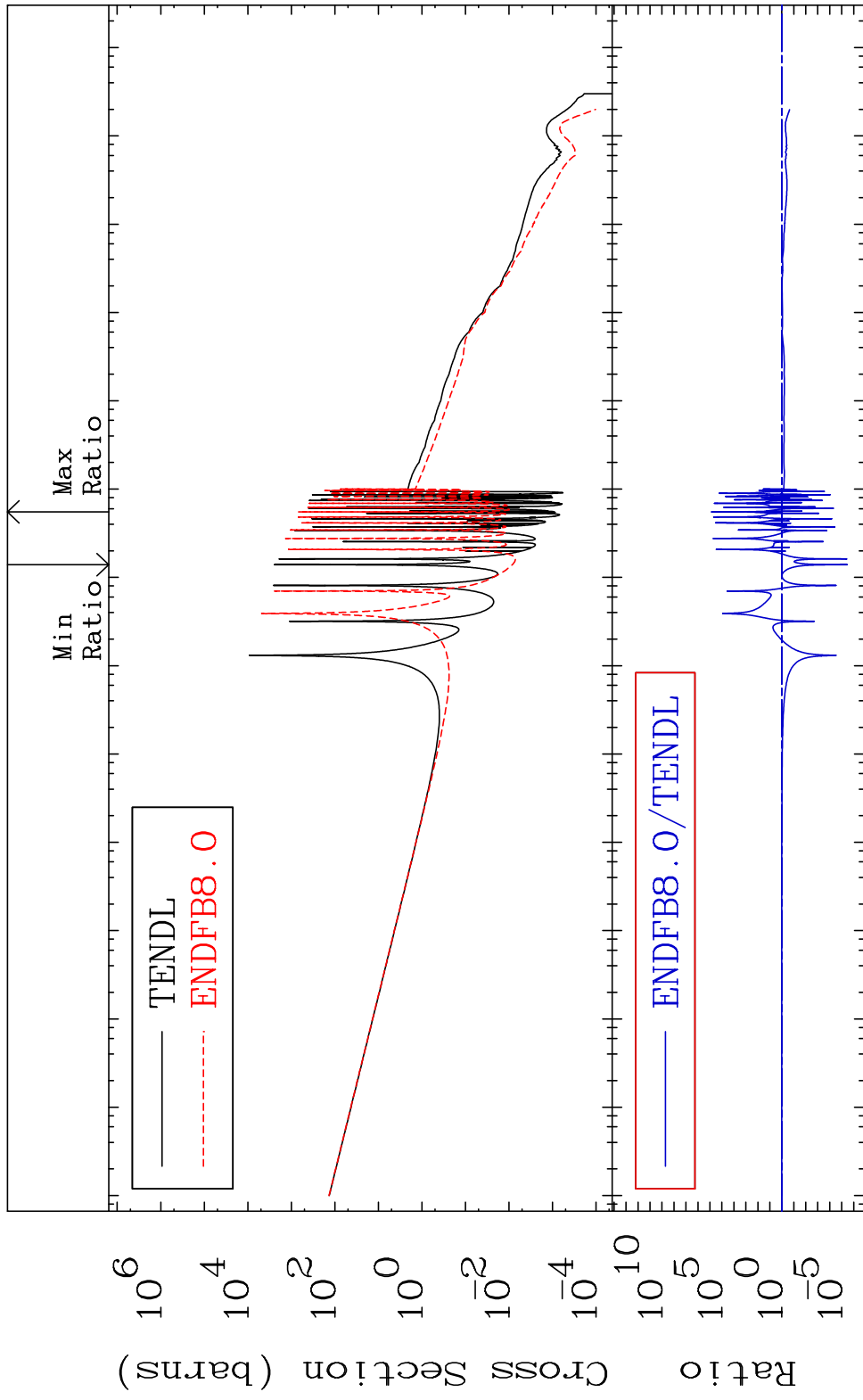


MAT 5731

57-La-140

(n, γ)

Cross Section -100.0 To 9999. %

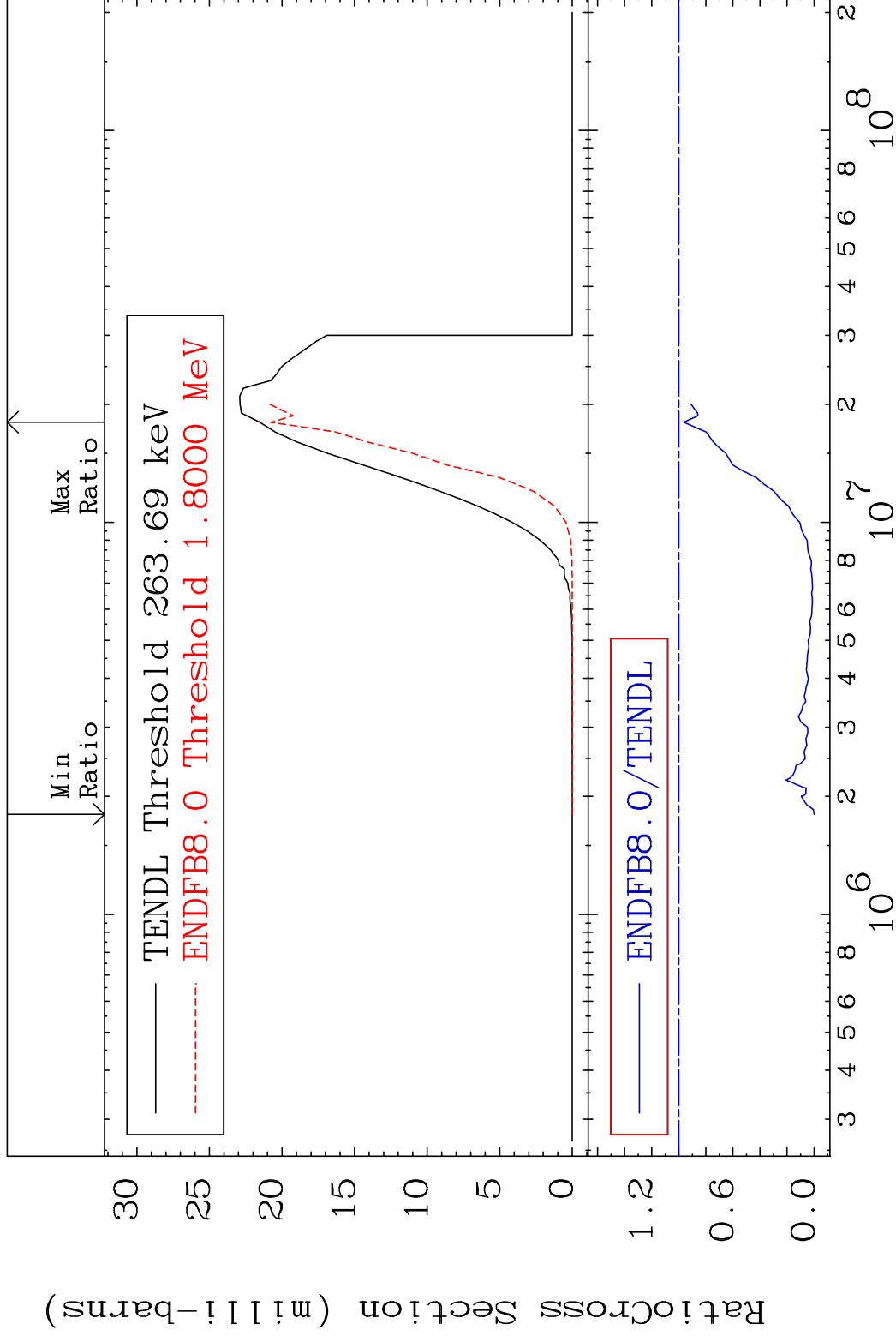


MAT 5731

(n, p)

57-La-140

Cross Section -100.0 To -3.626%



20

Incident Energy (eV)

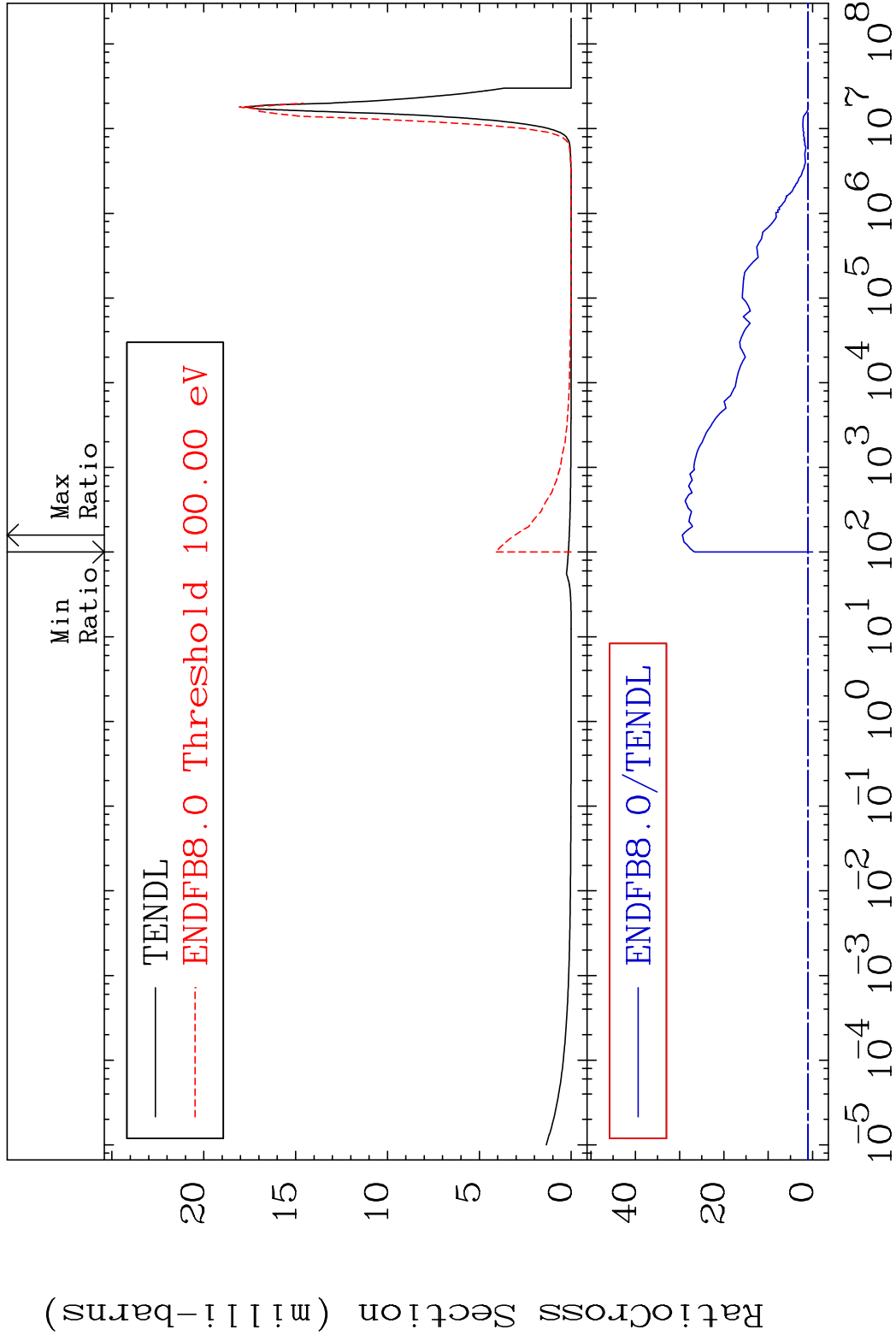
57-La-140

MAT 5731

(n, α)

57-La-140

Cross Section -100.0 To 2839. %



21

Incident Energy (eV)

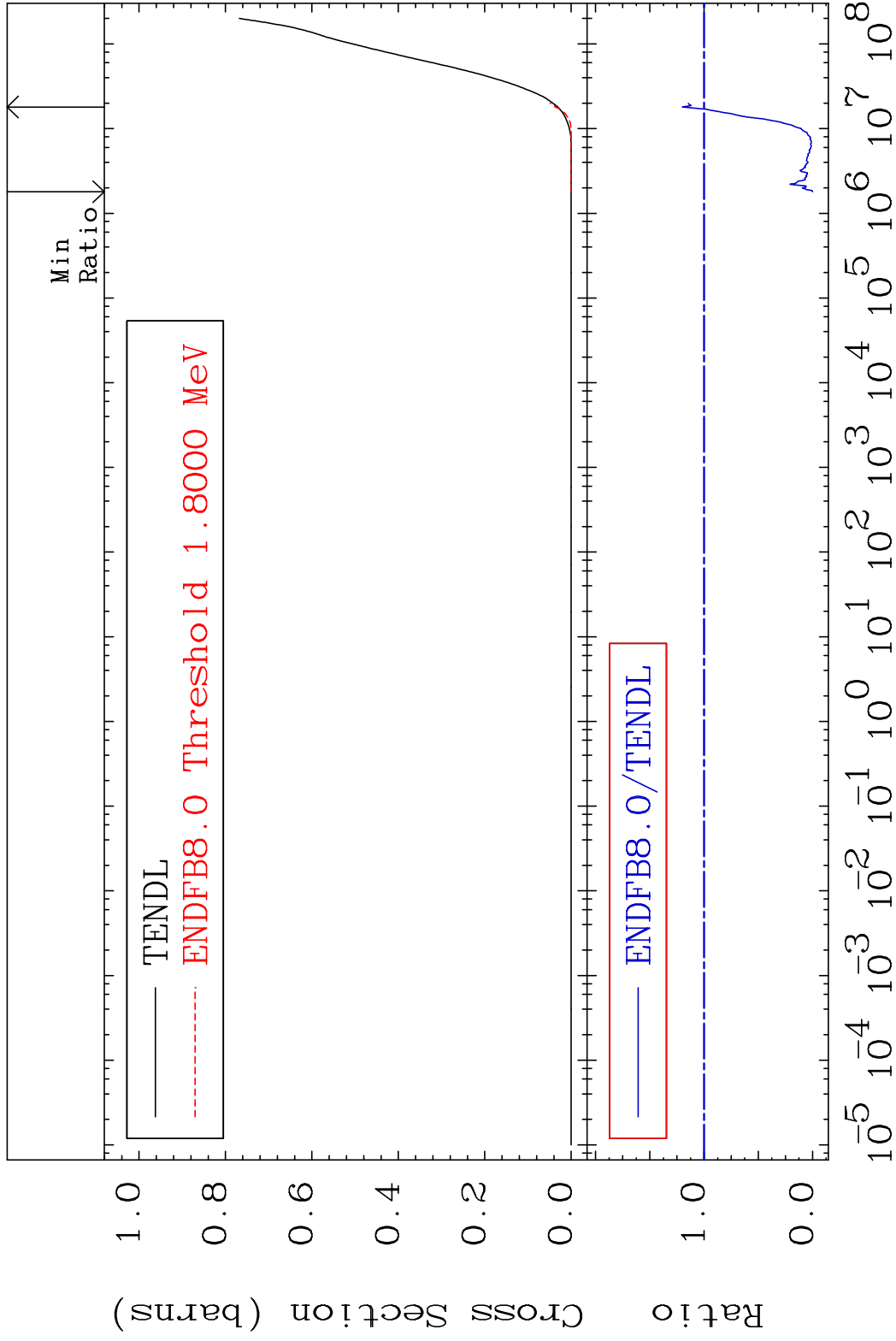
57-La-140

MAT 5731

Hydrogen Production

57-La-140

Cross Section -100.0 To 20.01 %

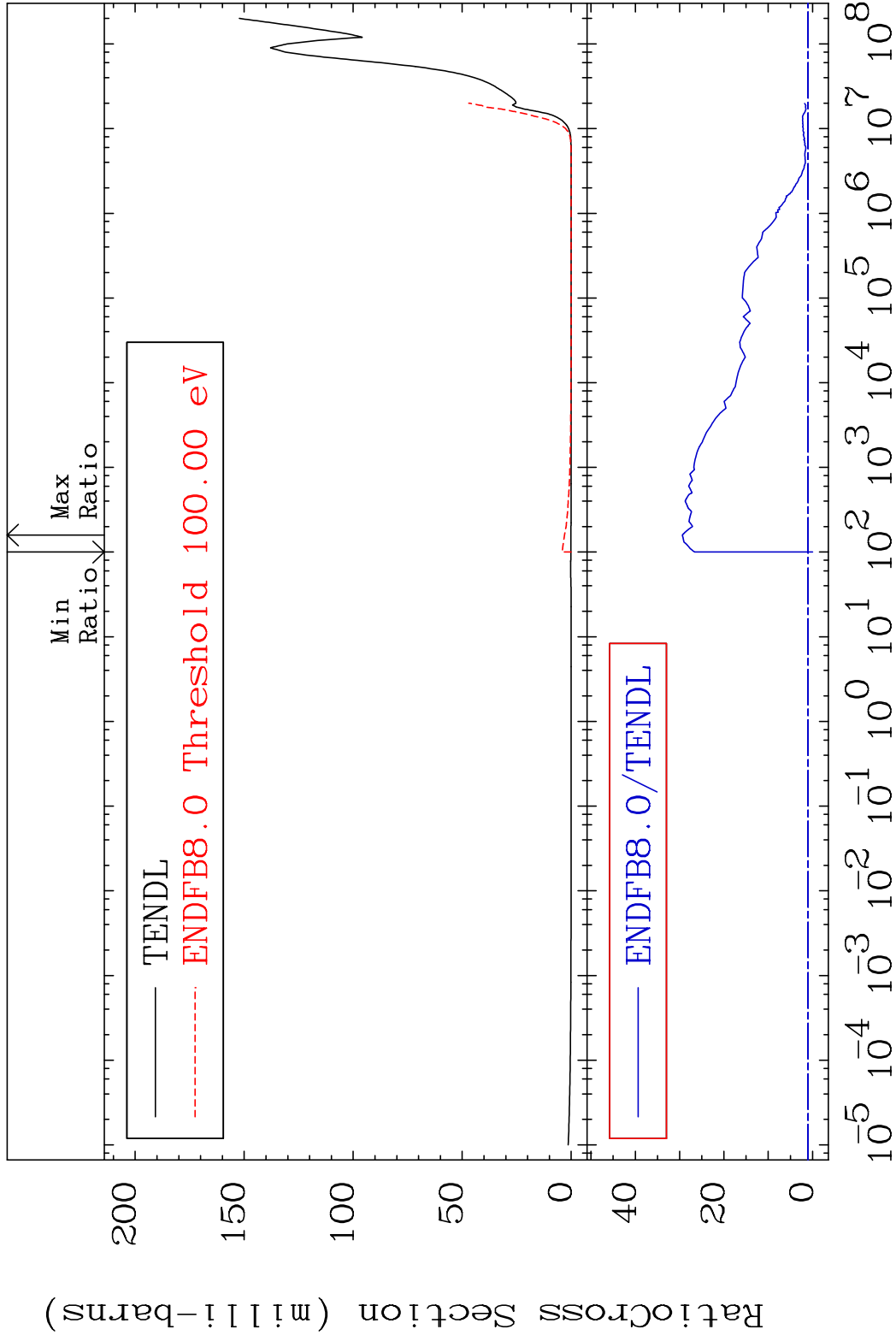


MAT 5731

He-4 Production

57-La-140

Cross Section -100.0 To 2839. %

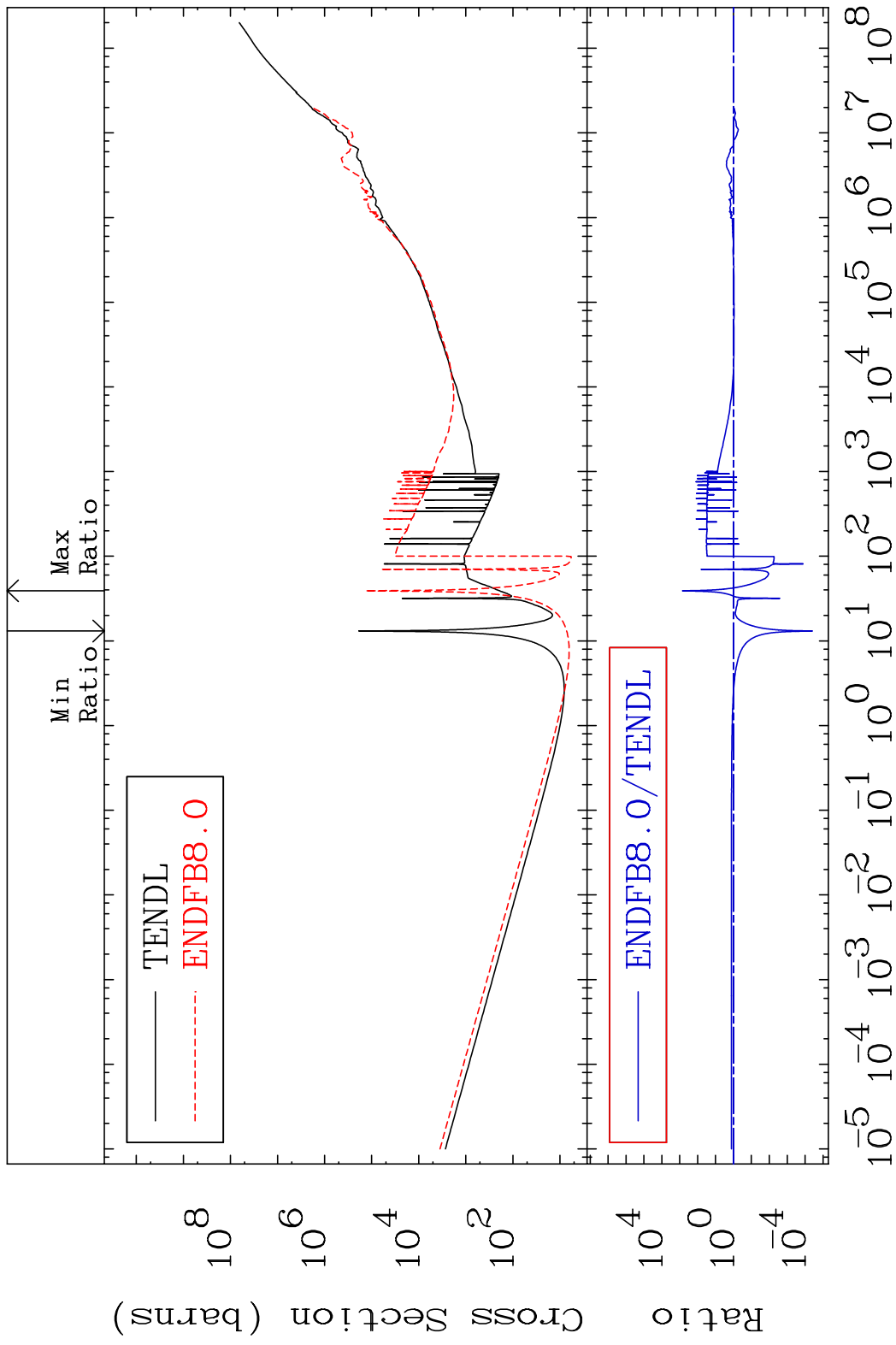


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Incident Energy (eV)

57-La-140

MAT 5731 Kerma total (eV-barns) 57-La-140
 Cross Section -100.0 To 9999. %

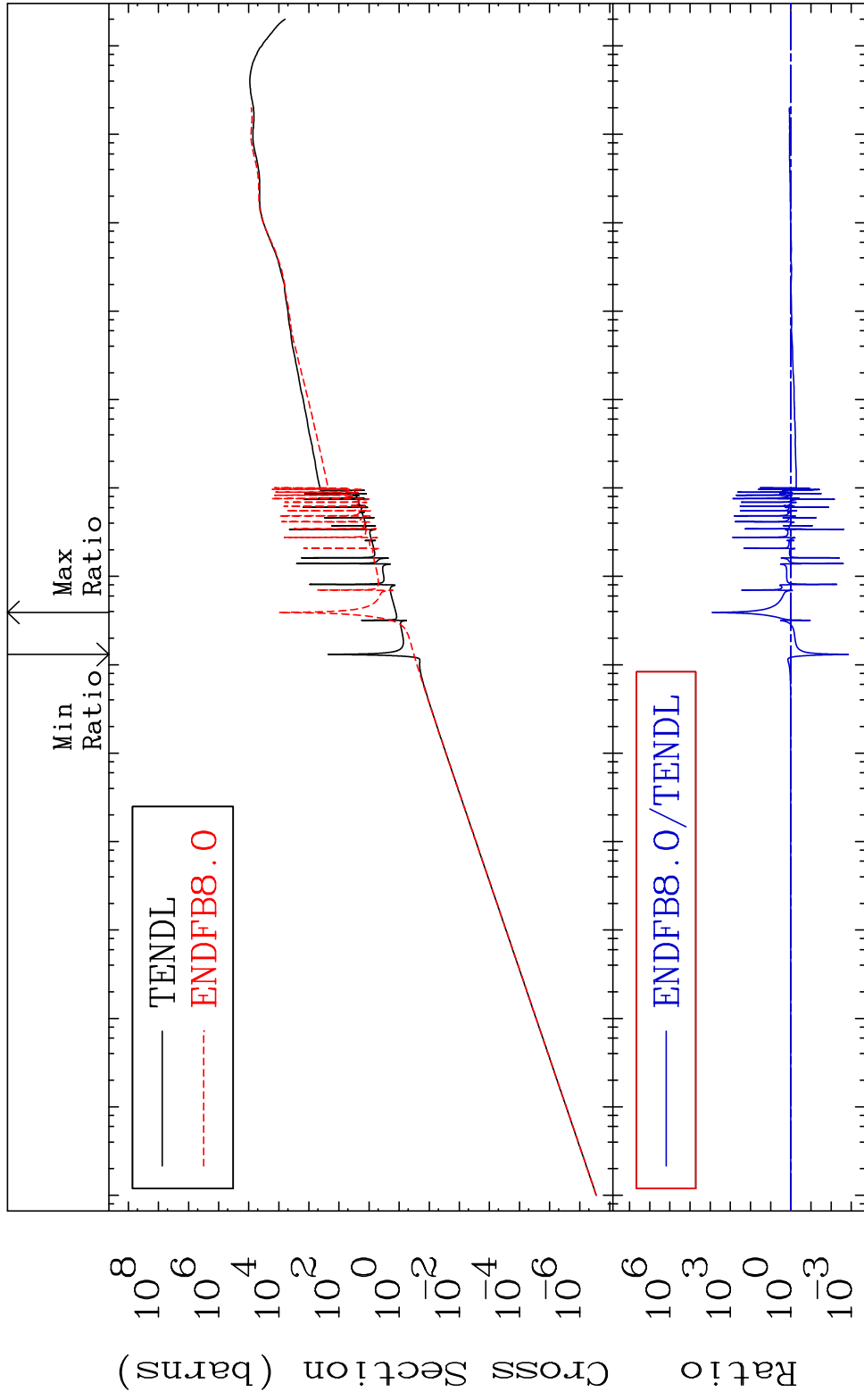


24 Incident Energy (eV) 57-La-140

MAT 5731

Kerma elastic
Cross Section -99.86 To 9999. %

57-La-140

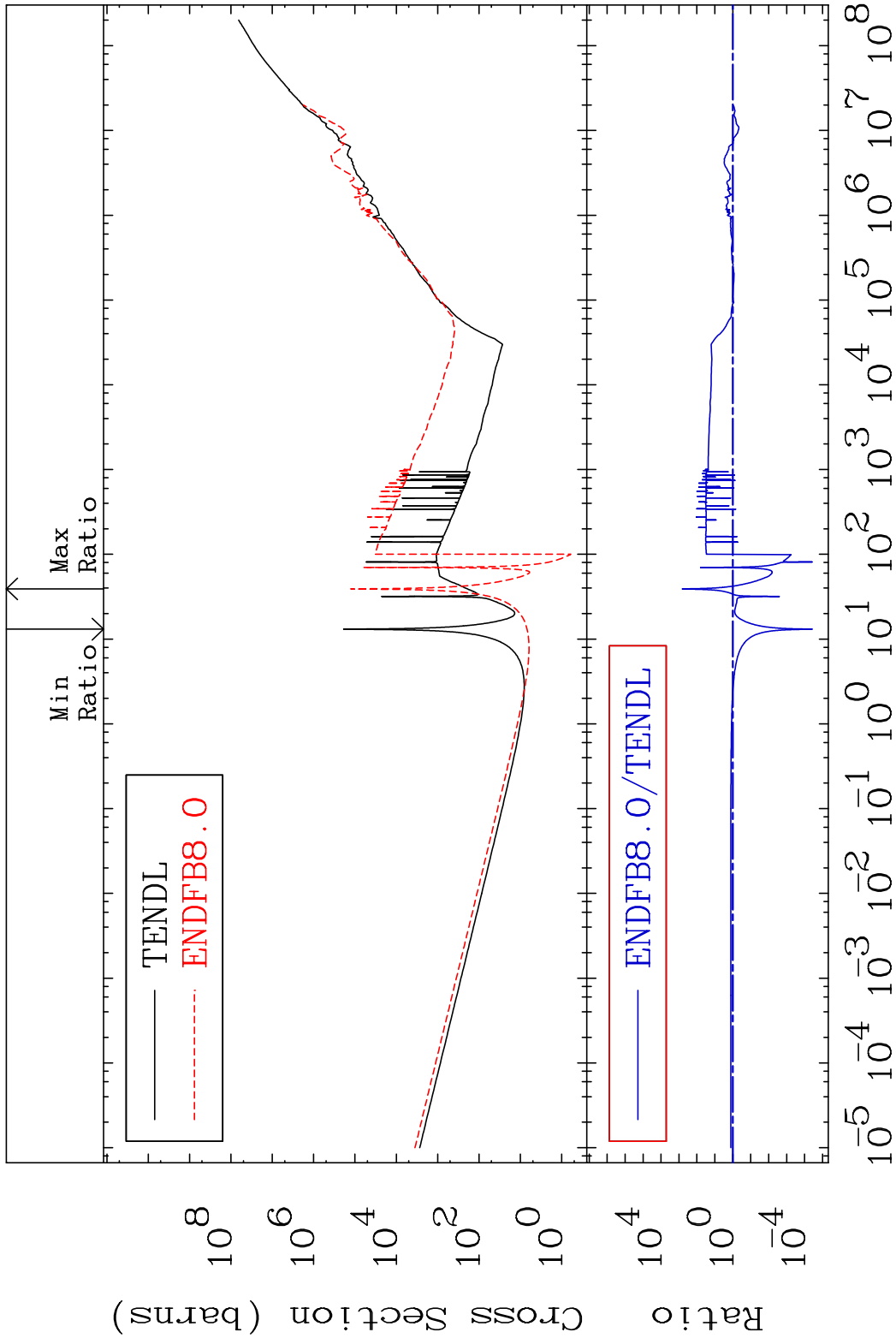


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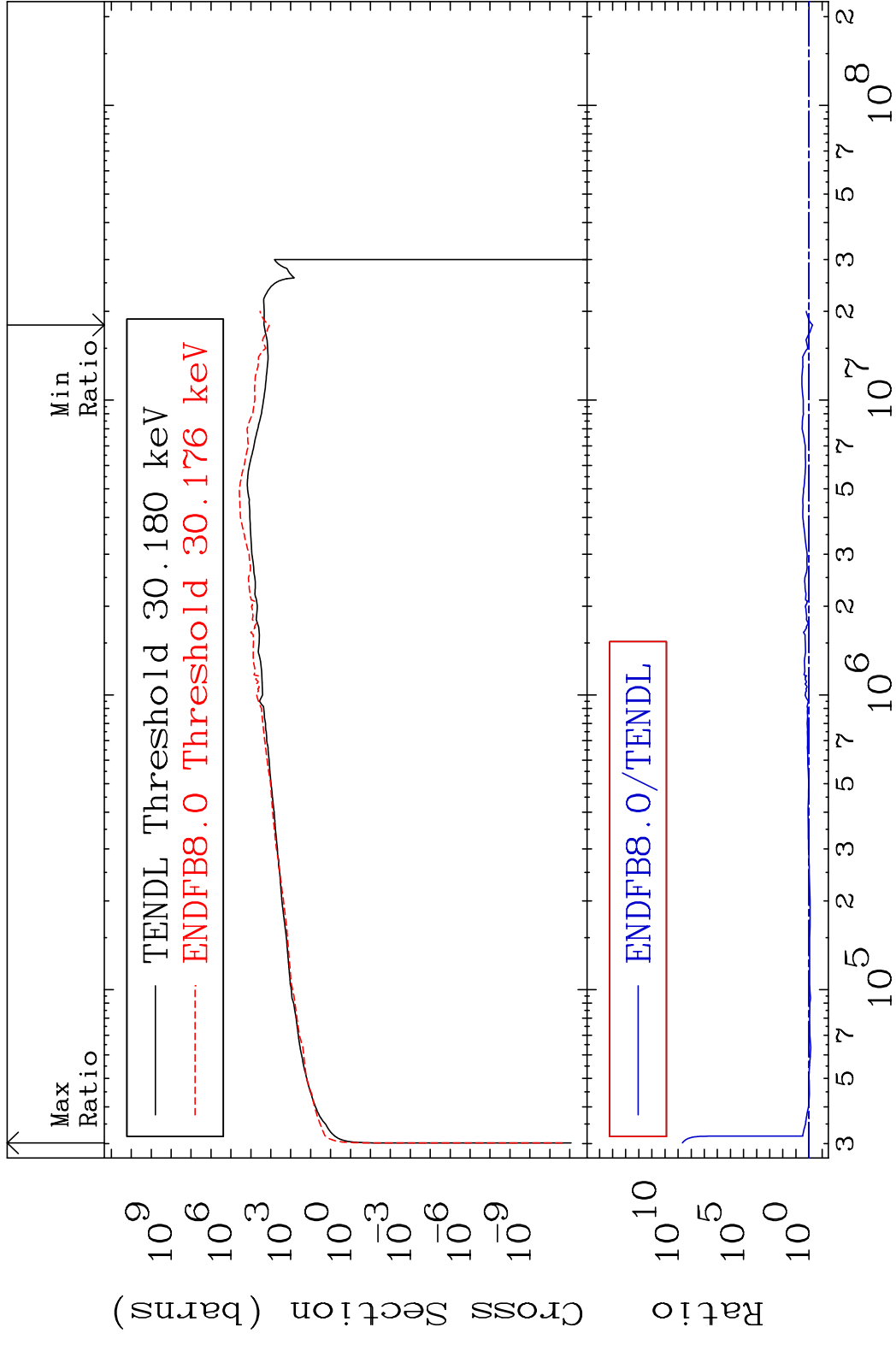
Incident Energy (eV)

57-La-140

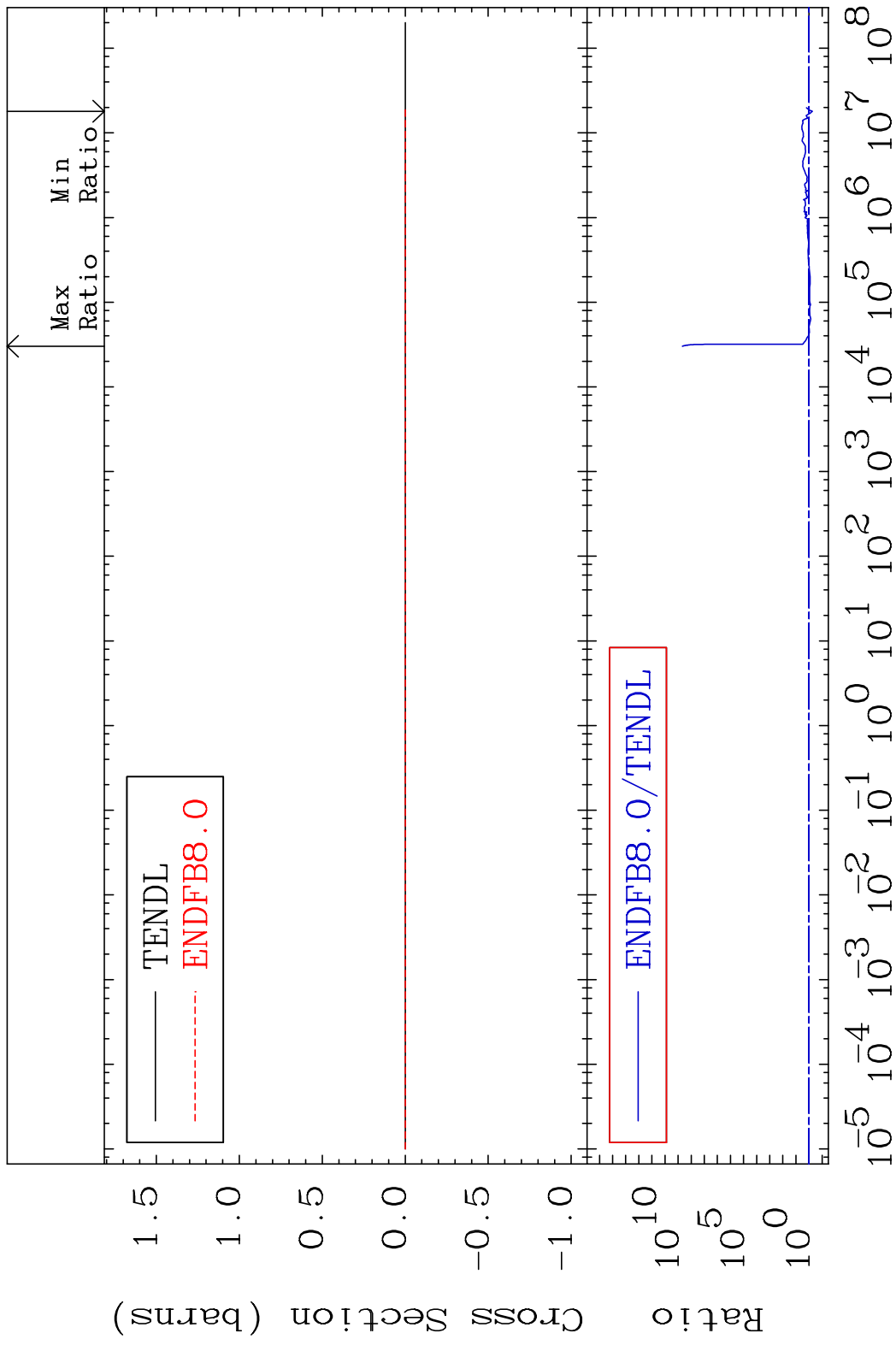
MAT 5731 Kerma non-elastic (all but mt2) 57-La-140
 Cross Section -100.0 To 9999. %



MAT 5731 Kerma inelastic (mt51-91) 57-La-140
 Cross Section -46.14 To 9999. %



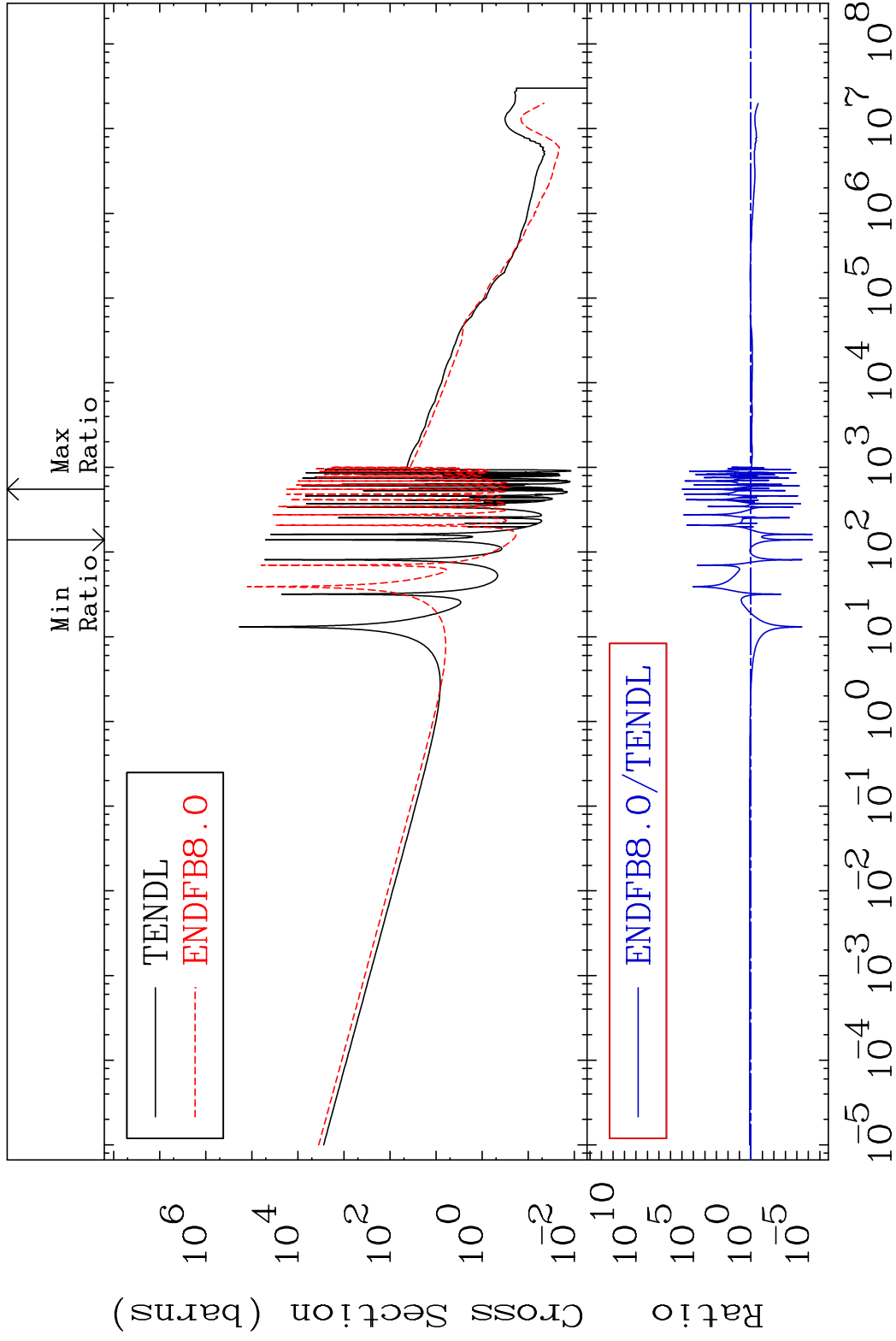
MAT 5731 Kerma fission (mt18 or mt19-20-21-38) 57-La-140
 Cross Section -46.14 To 9999. %



MAT 5731

Kerma capture (mt102) 57-La-140

Cross Section -100.0 To 9999. %

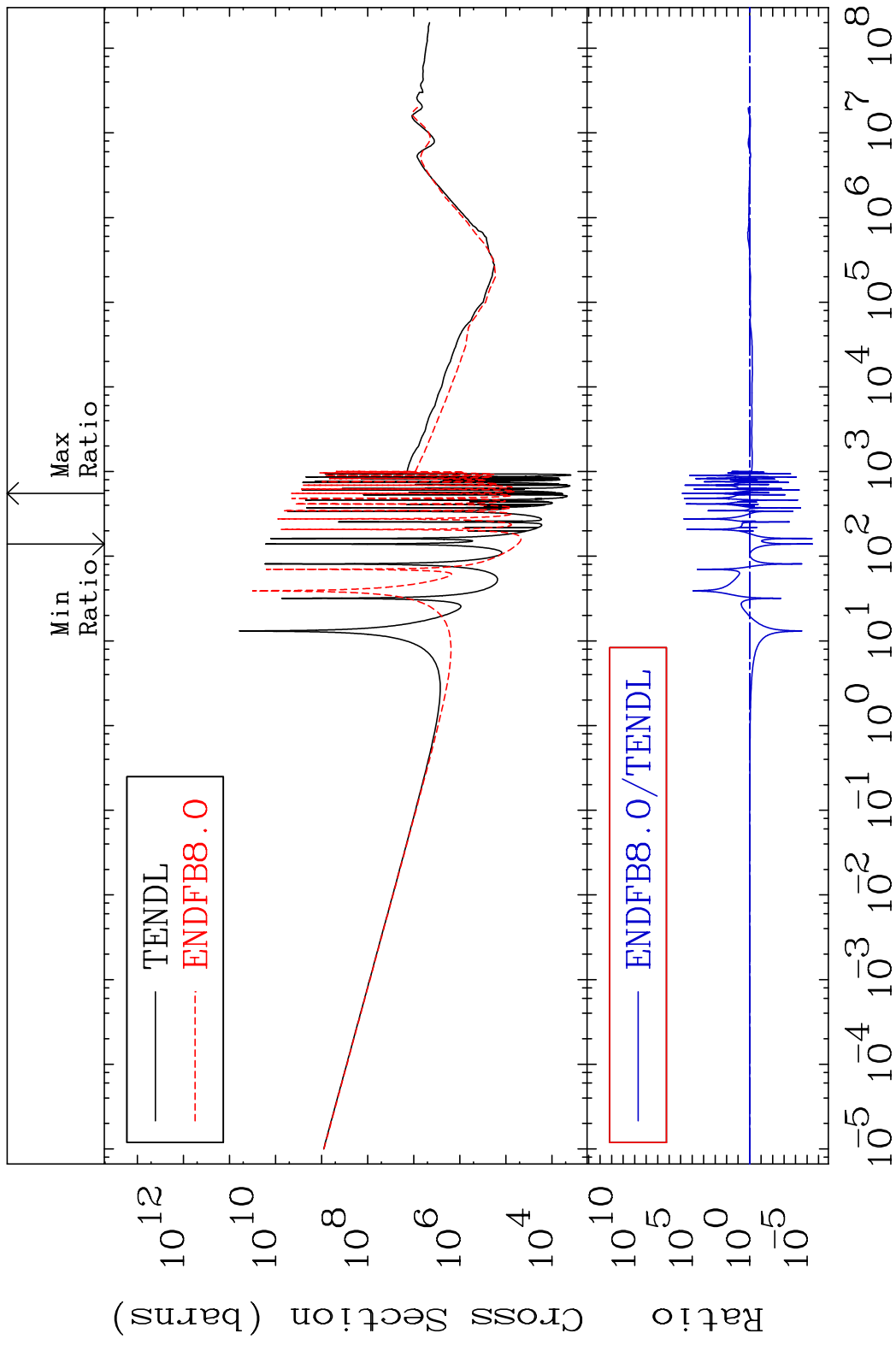


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Incident Energy (eV)

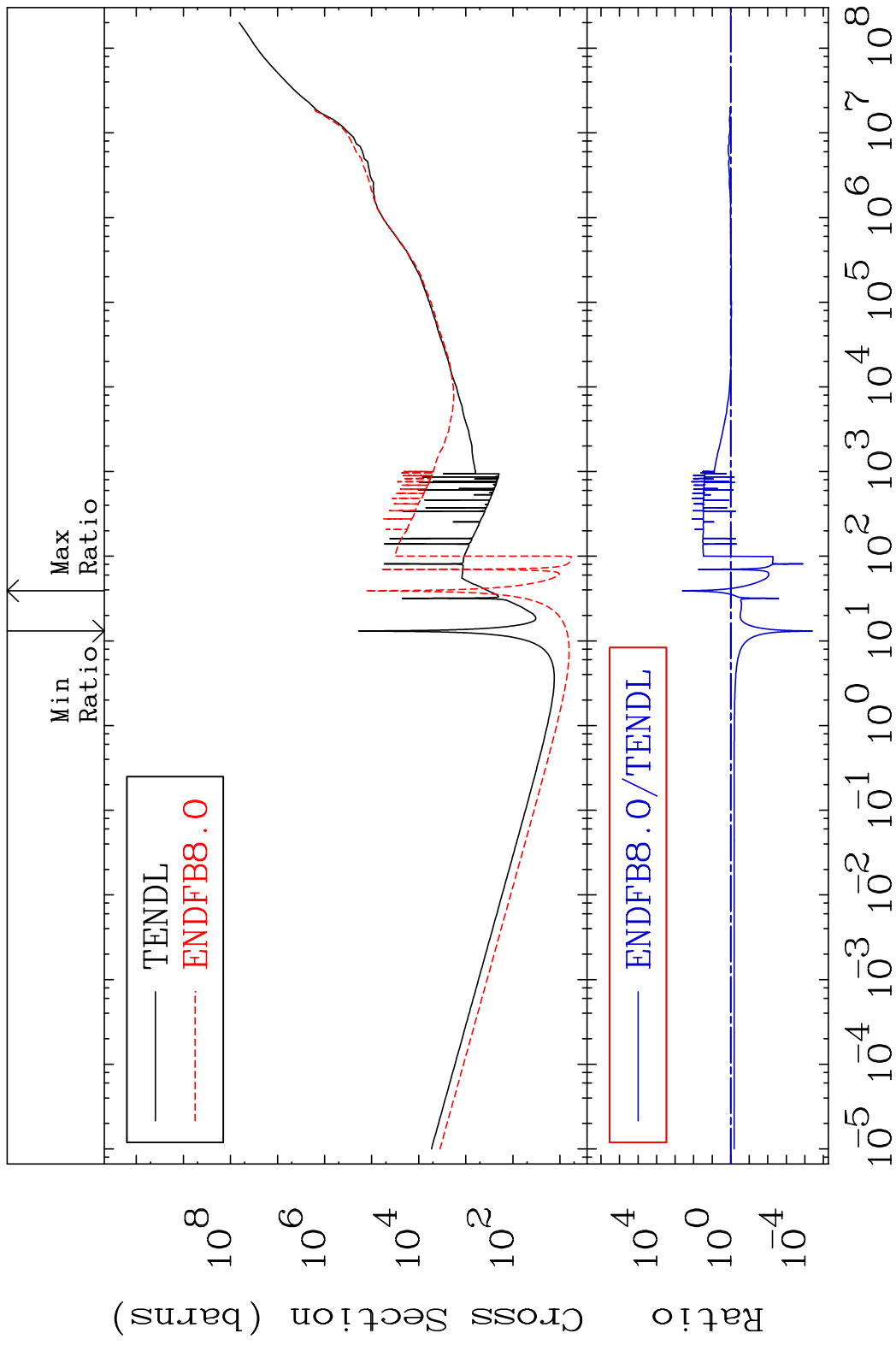
57-La-140

MAT 5731 Total photon (eV-barns) 57-La-140
 Cross Section -100.0 To 9999. %

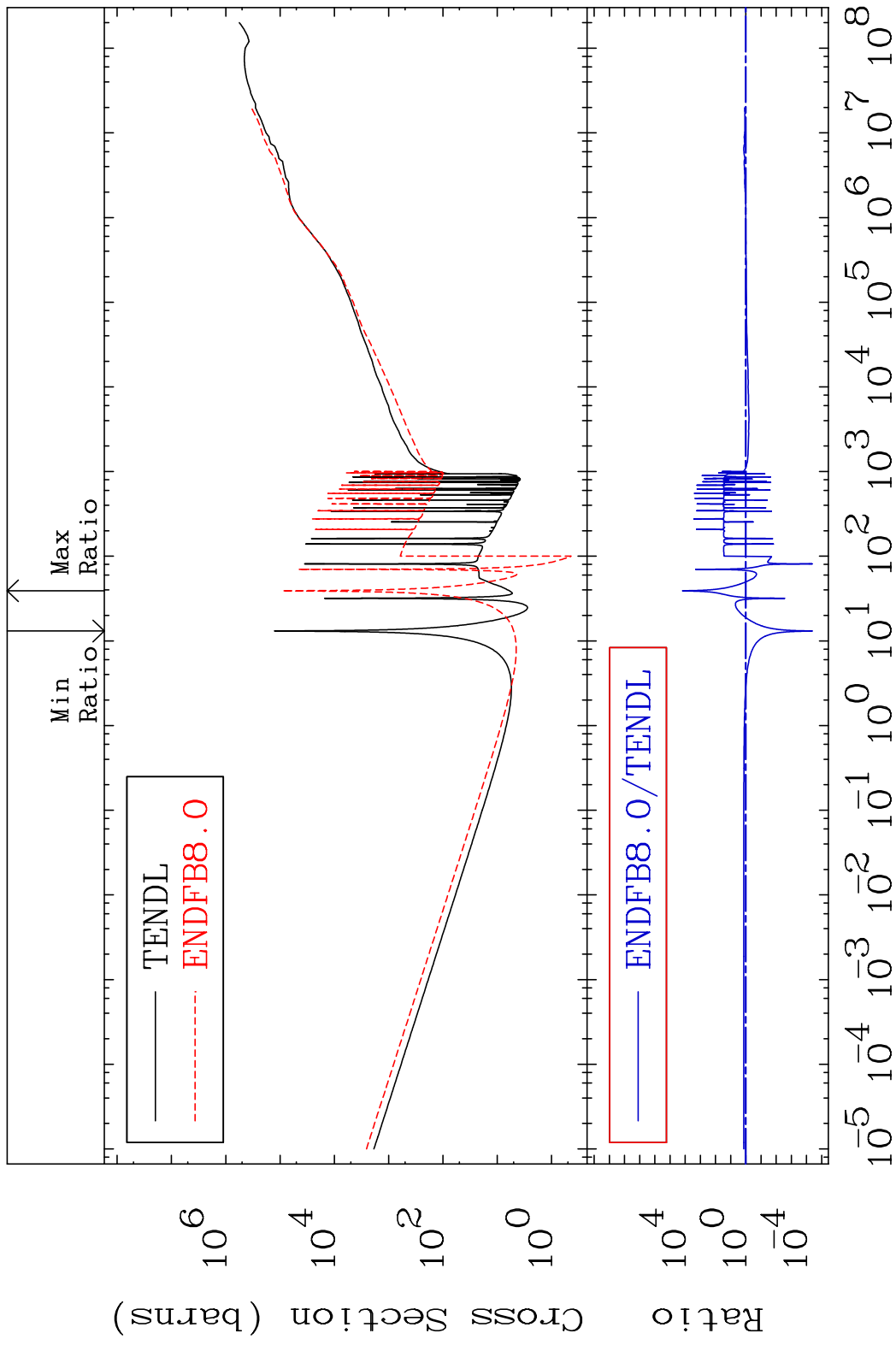


30 Incident Energy (eV) 57-La-140

MAT 5731 Total kinematic kerma (high limit) 57-La-140
 Cross Section -100.0 To 9999. %



MAT 5731 Dpa total (eV-barns) 57-La-140
 Cross Section -100.0 To 9999. %

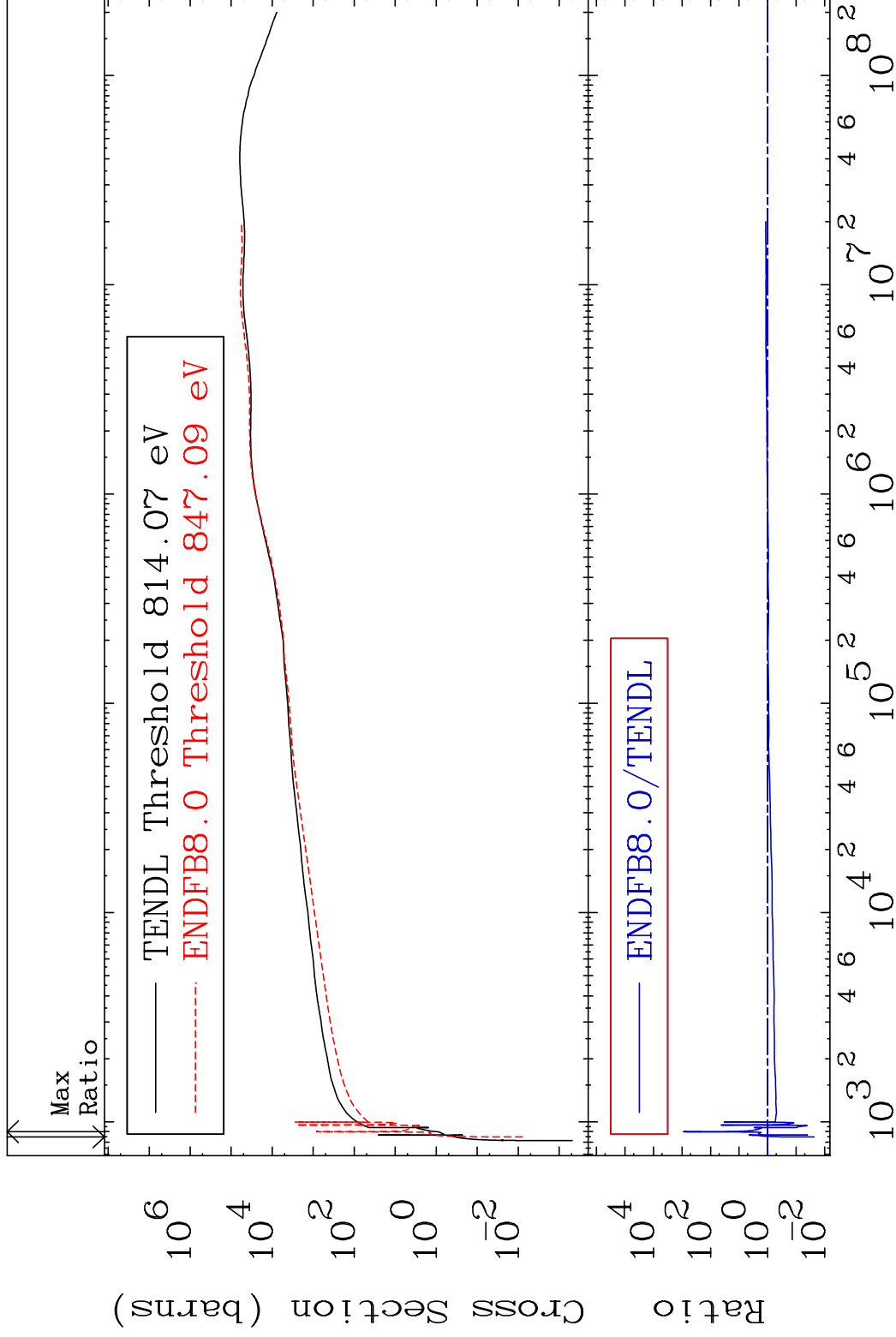


MAT 5731

Dpa elastic (mt2)

57-La-140

Cross Section -97.66 To 9999. %

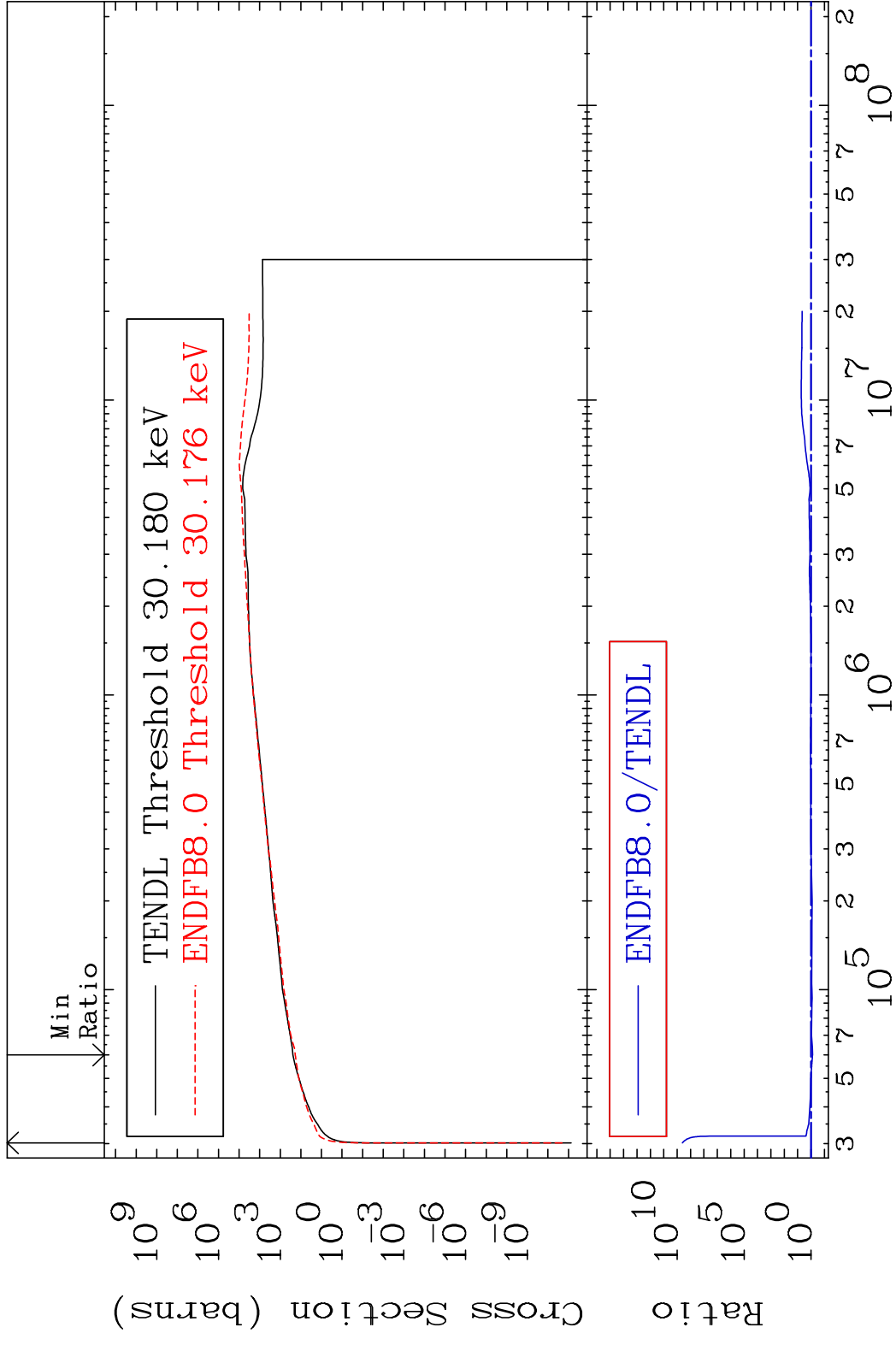


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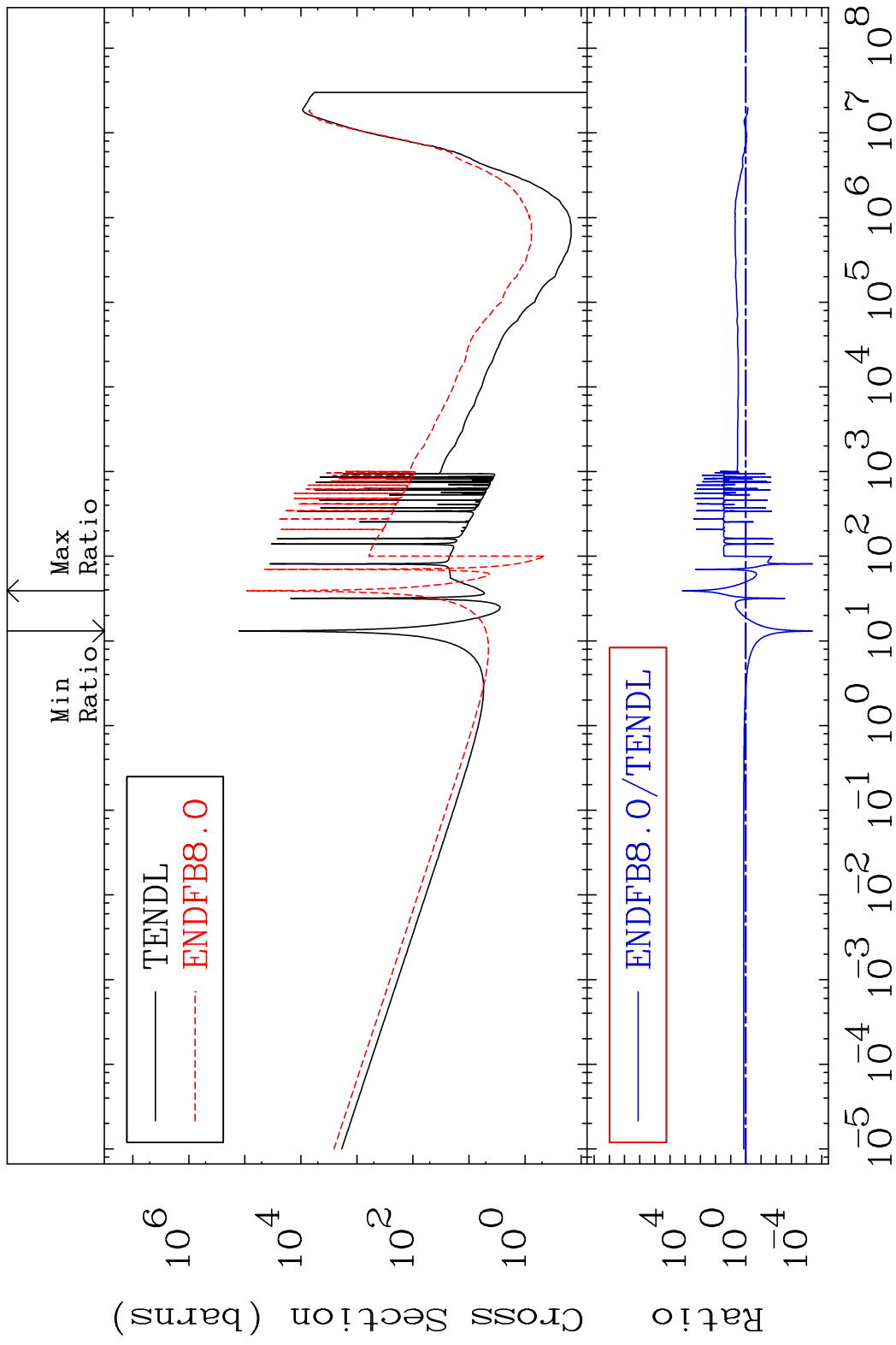
Incident Energy (eV)

57-La-140

MAT 5731 Dpa inelastic (mt51-91) 57-La-140
 Cross Section -22.89 To 9999. %



MAT 5731 Dpa disappearance (mt102 -120) 57-La-140
 Cross Section -100.0 To 9999. %



35 Incident Energy (eV) 57-La-140