

Program Complot
(Version 2021-1)

by

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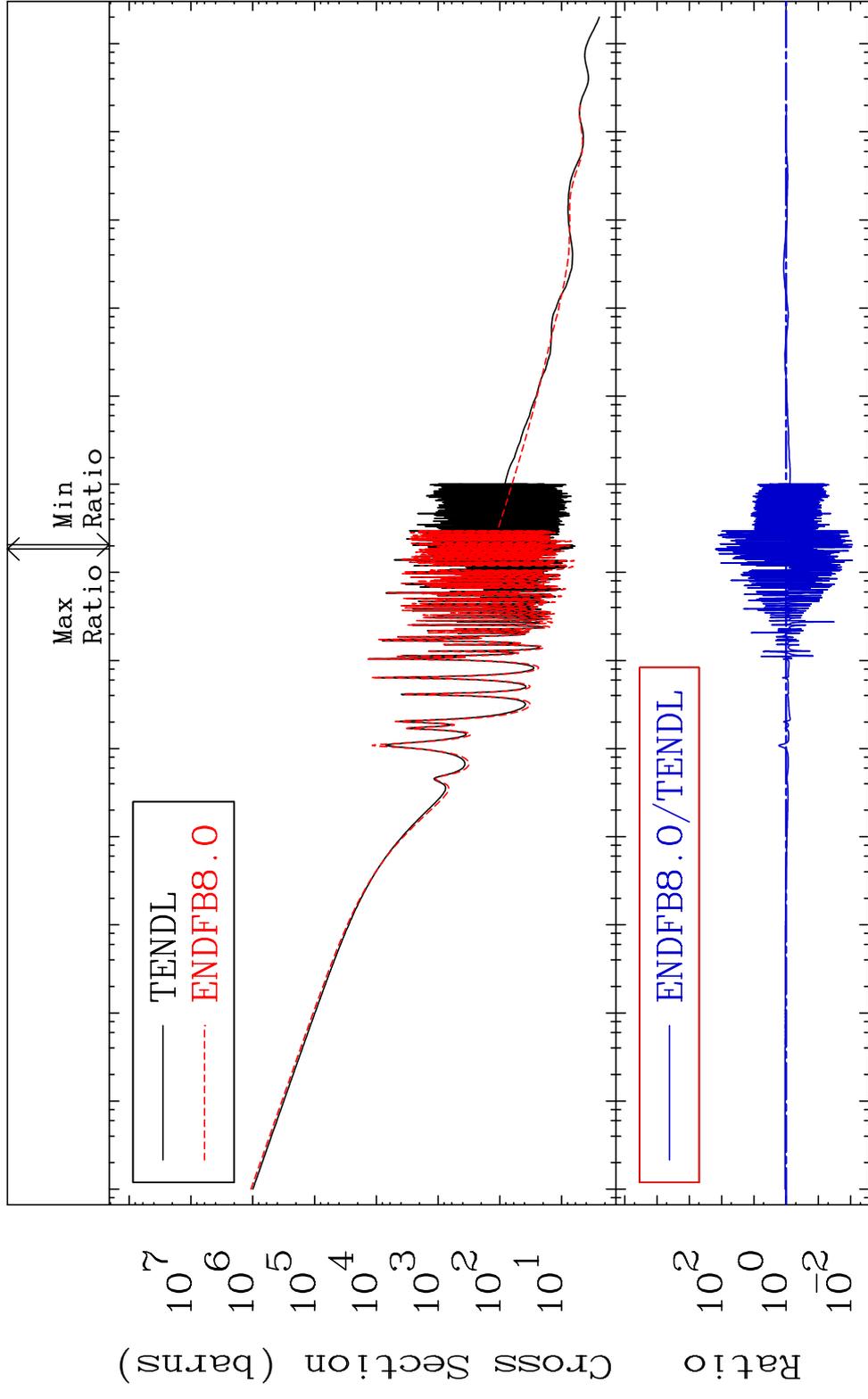
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Press Mouse Button to Start

MAT 6246

Total Cross Section -99.12 To 9999. %
62-Sm-151

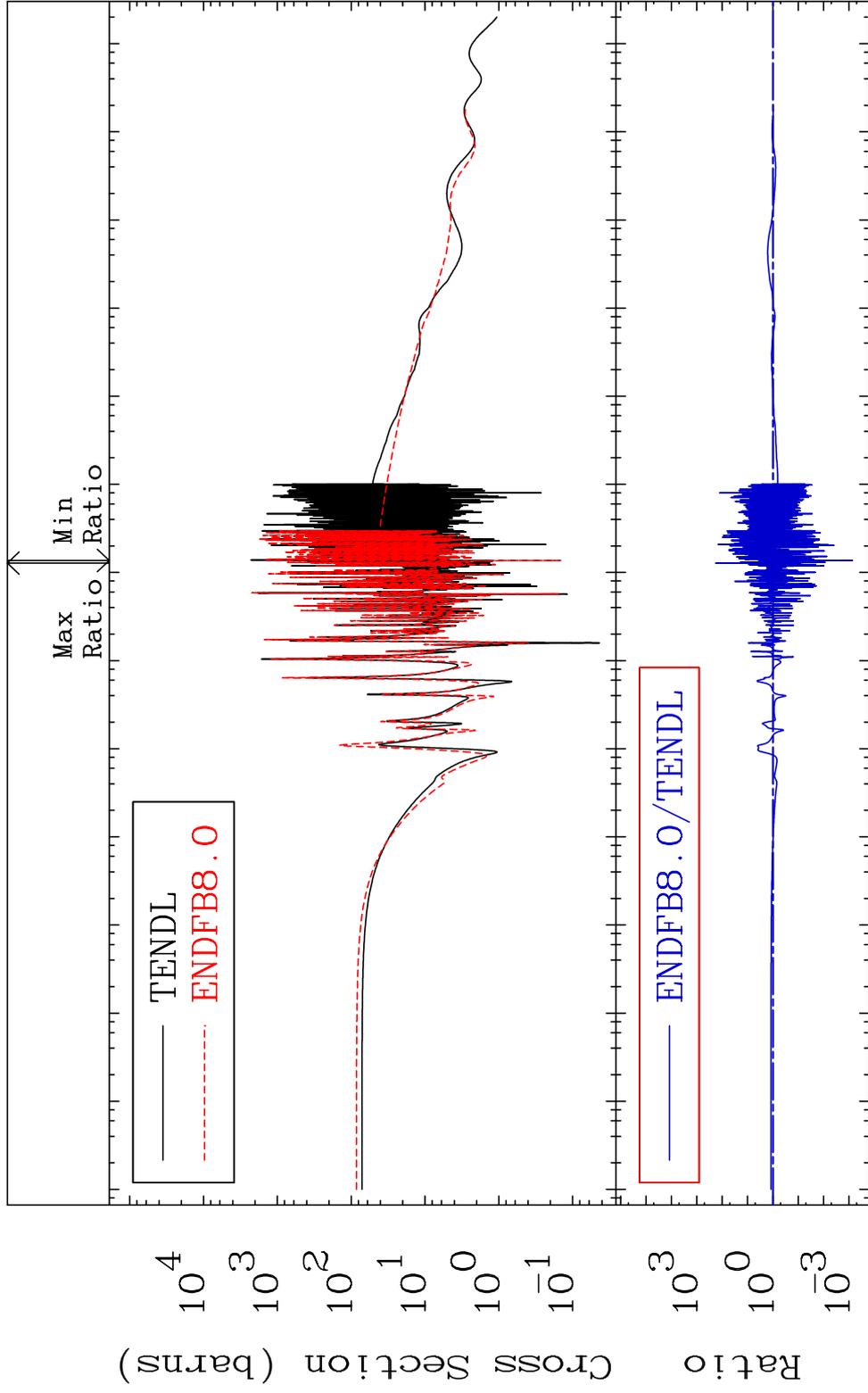


MAT 6246

Elastic

62-Sm-151

Cross Section -99.93 To 9999. %

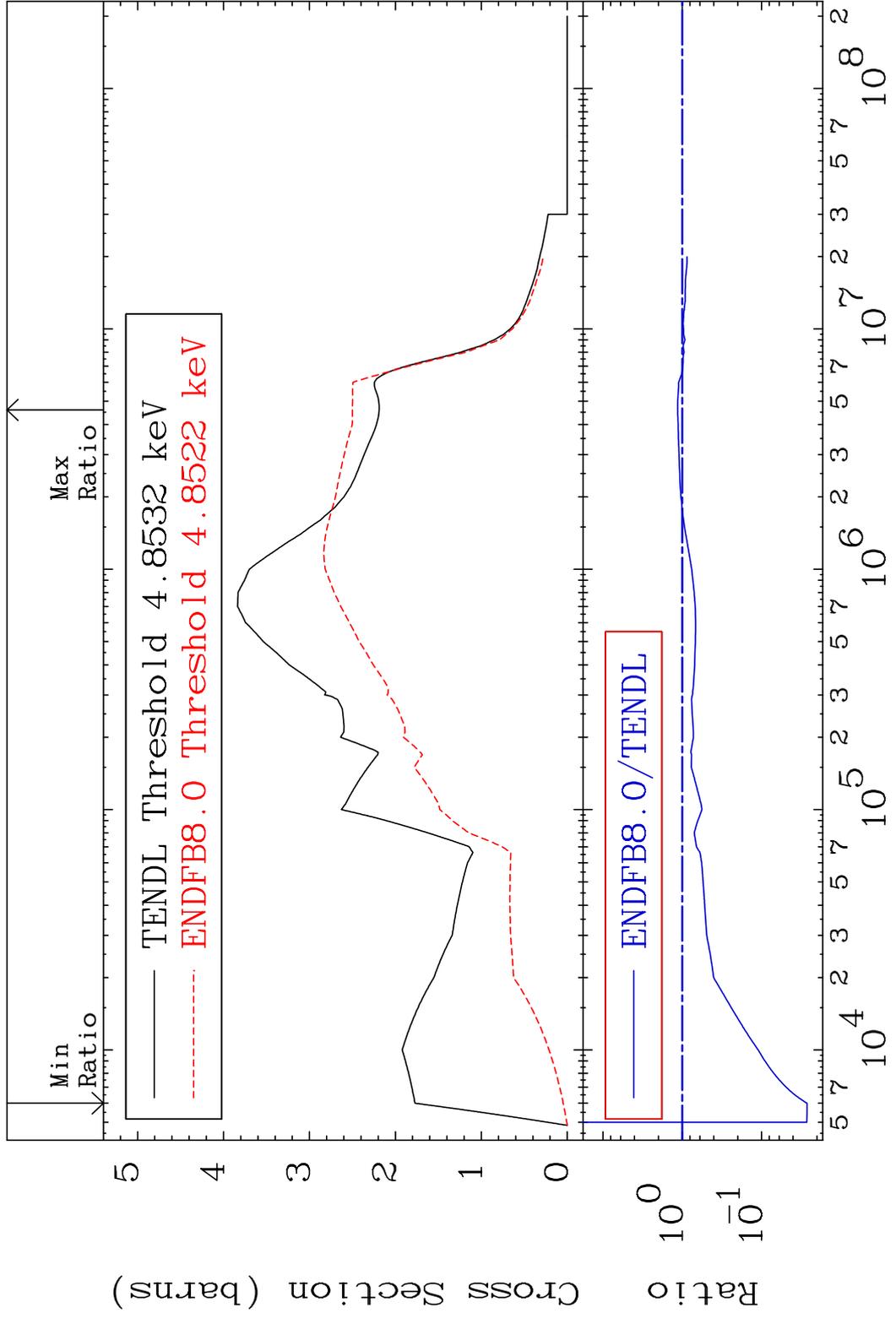


2

Incident Energy (eV)

62-Sm-151

MAT 6246 Inelastic Cross Section -97.33 To 14.26 % 62-Sm-151

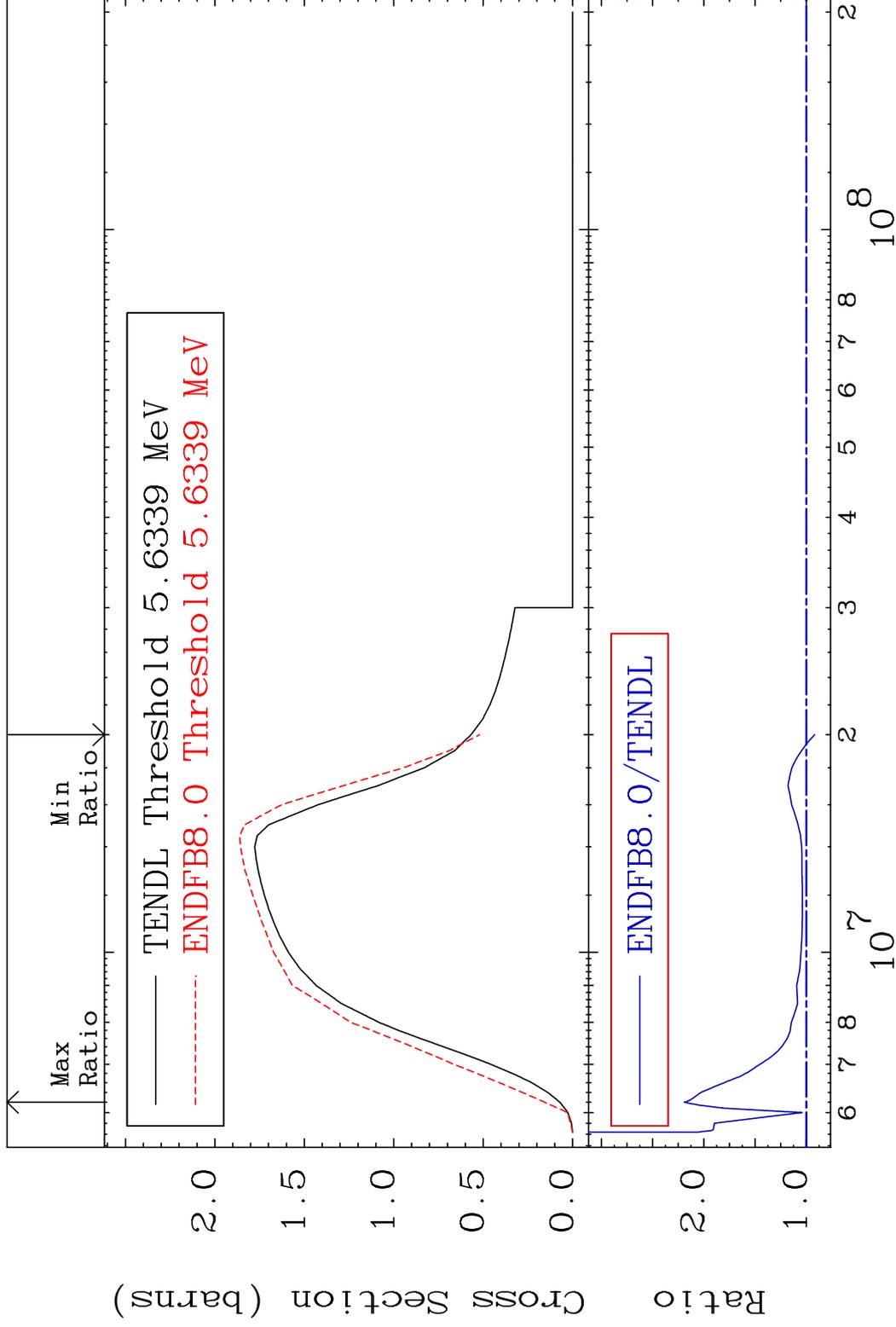


MAT 6246

(n,2n)

62-Sm-151

Cross Section -8.238 To 119.2 %



4

Incident Energy (eV)

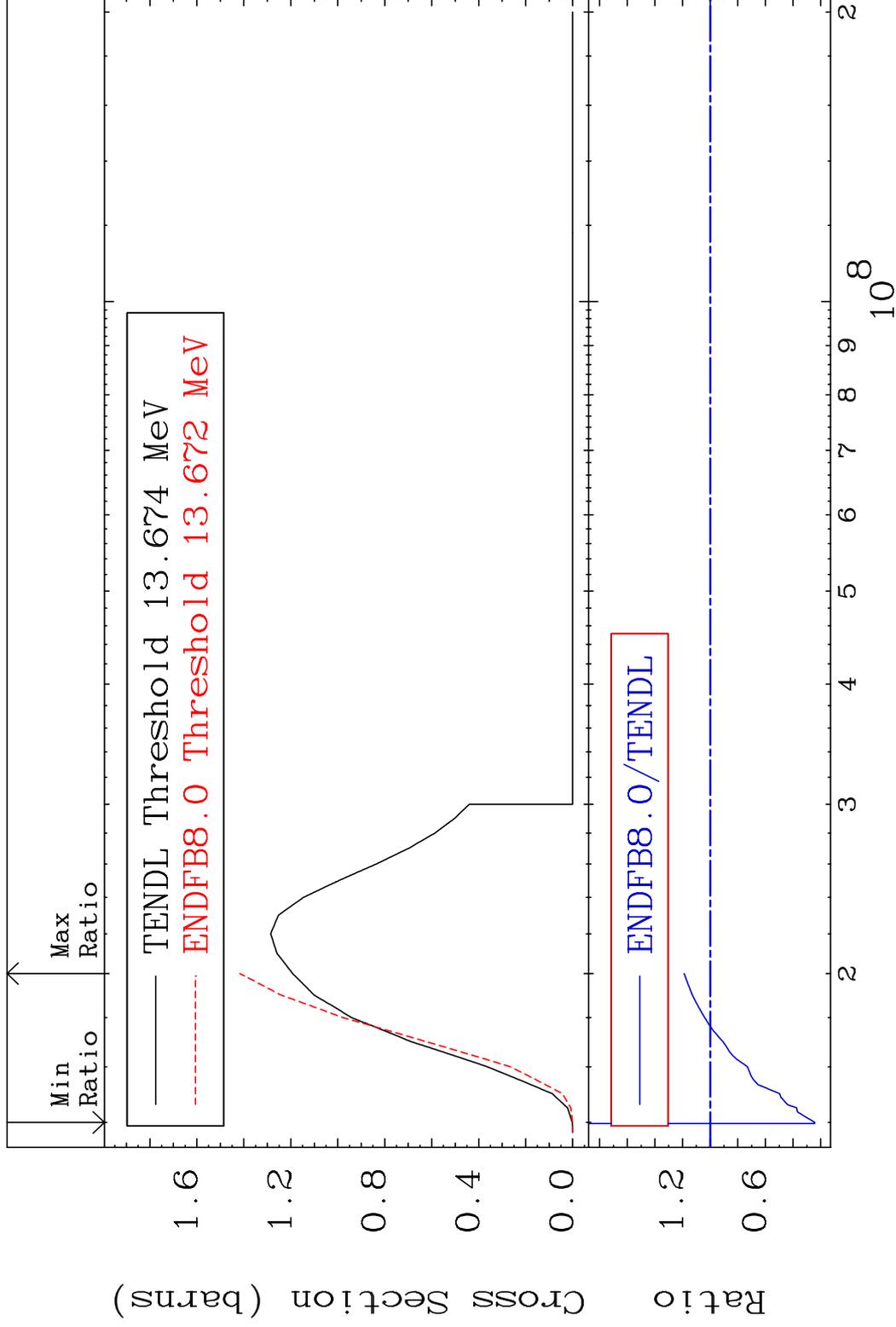
62-Sm-151

MAT 6246

(n,3n)

62-Sm-151

Cross Section -75.67 To 18.83 %



5

Incident Energy (eV)

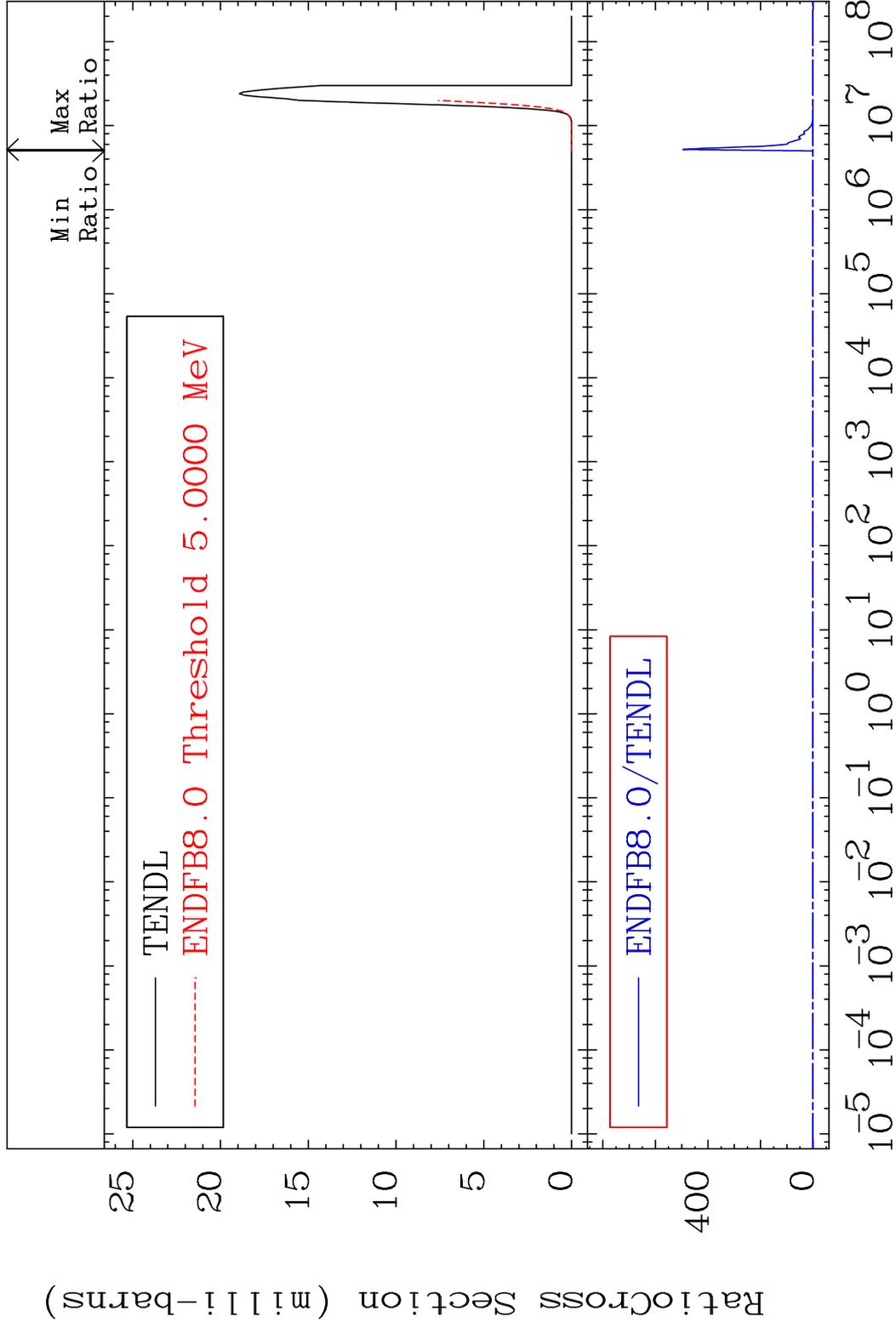
62-Sm-151

MAT 6246

(n, n') α

62-Sm-151

Cross Section -100.0 To 9999. %



6

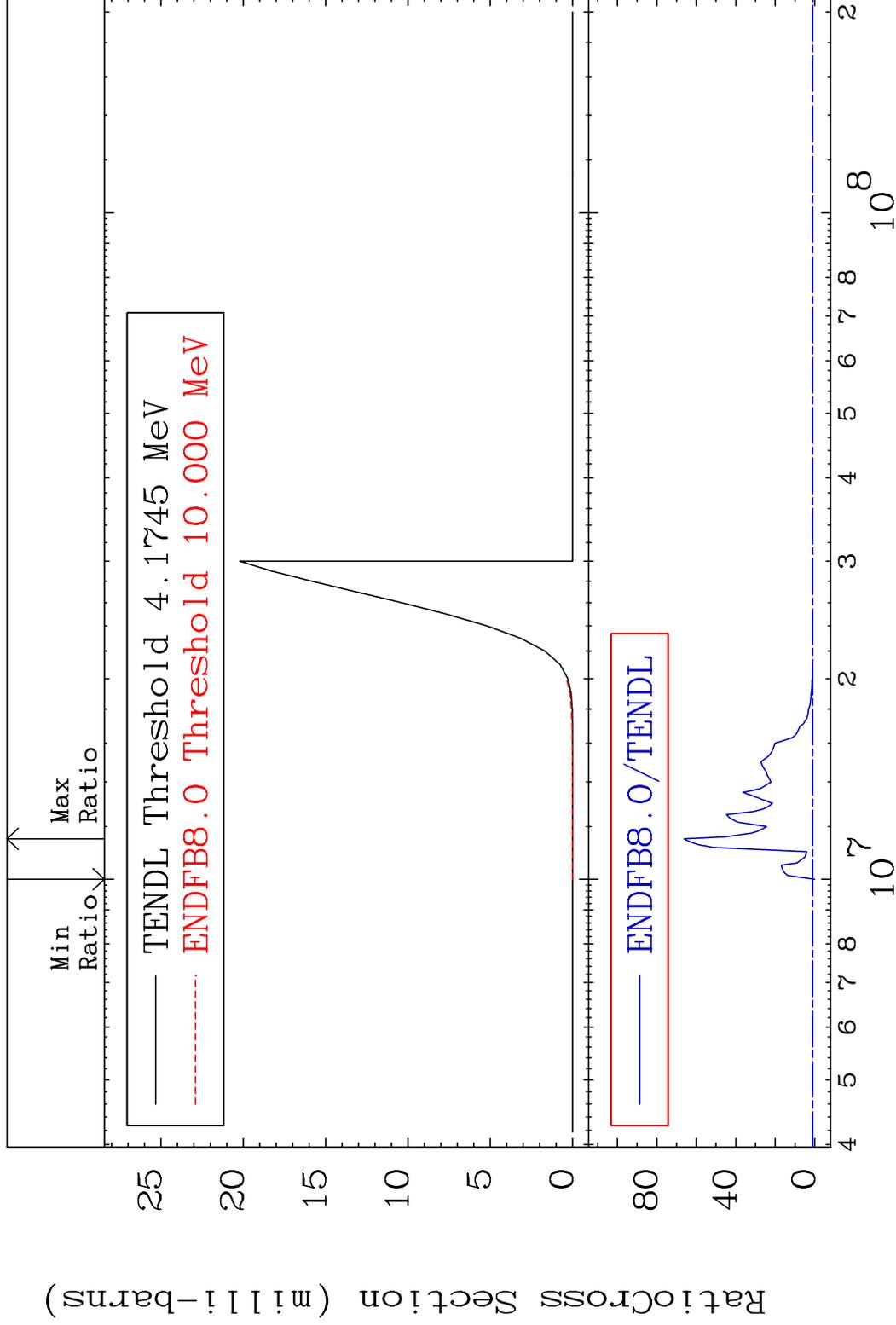
Incident Energy (eV)

62-Sm-151

MAT 6246

(n,2n) α 62-Sm-151

Cross Section -100.0 To 6518. %



7

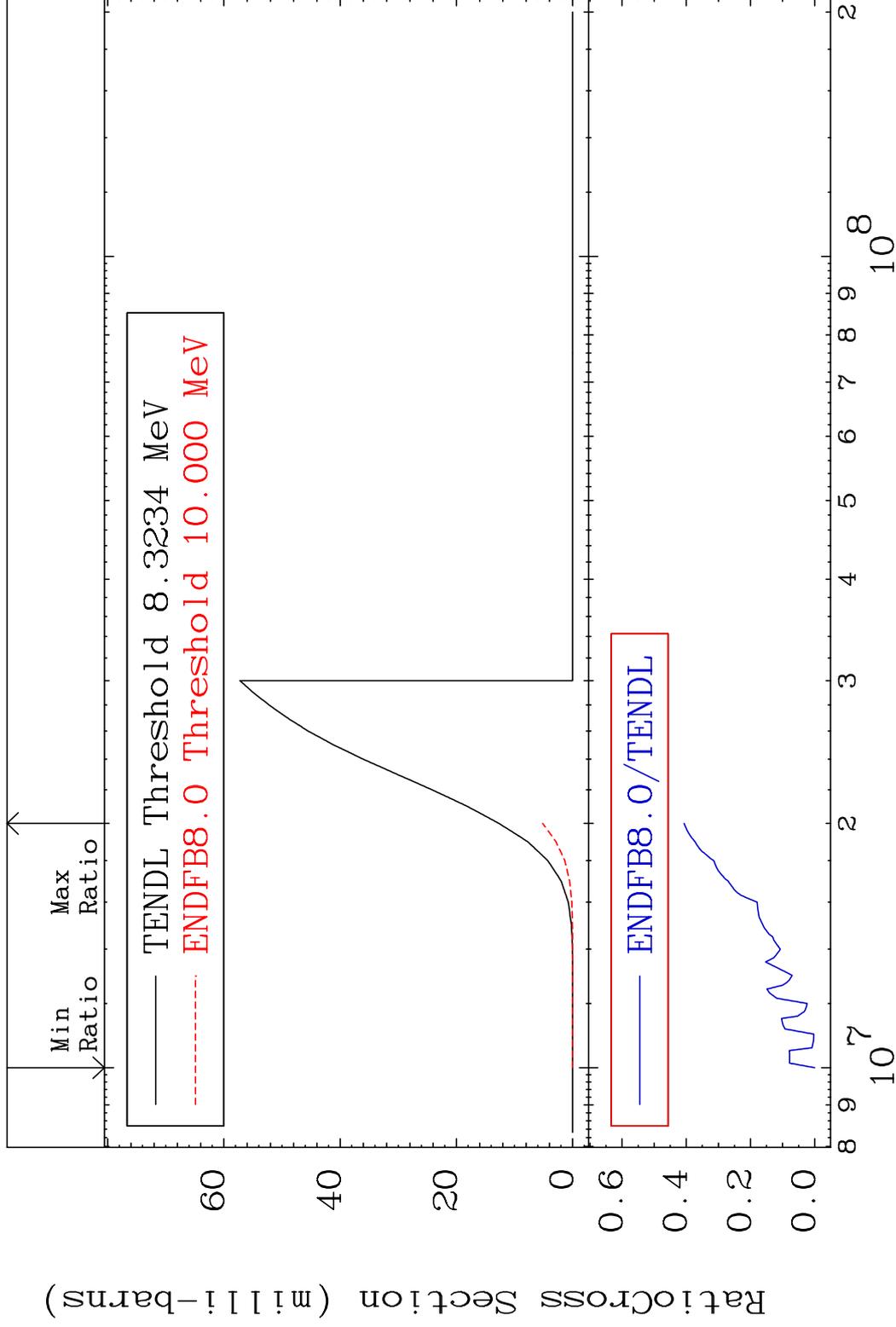
Incident Energy (eV)

62-Sm-151

MAT 6246

(n, n') p 62-Sm-151

Cross Section -100.0 To -59.34%



8

Incident Energy (eV)

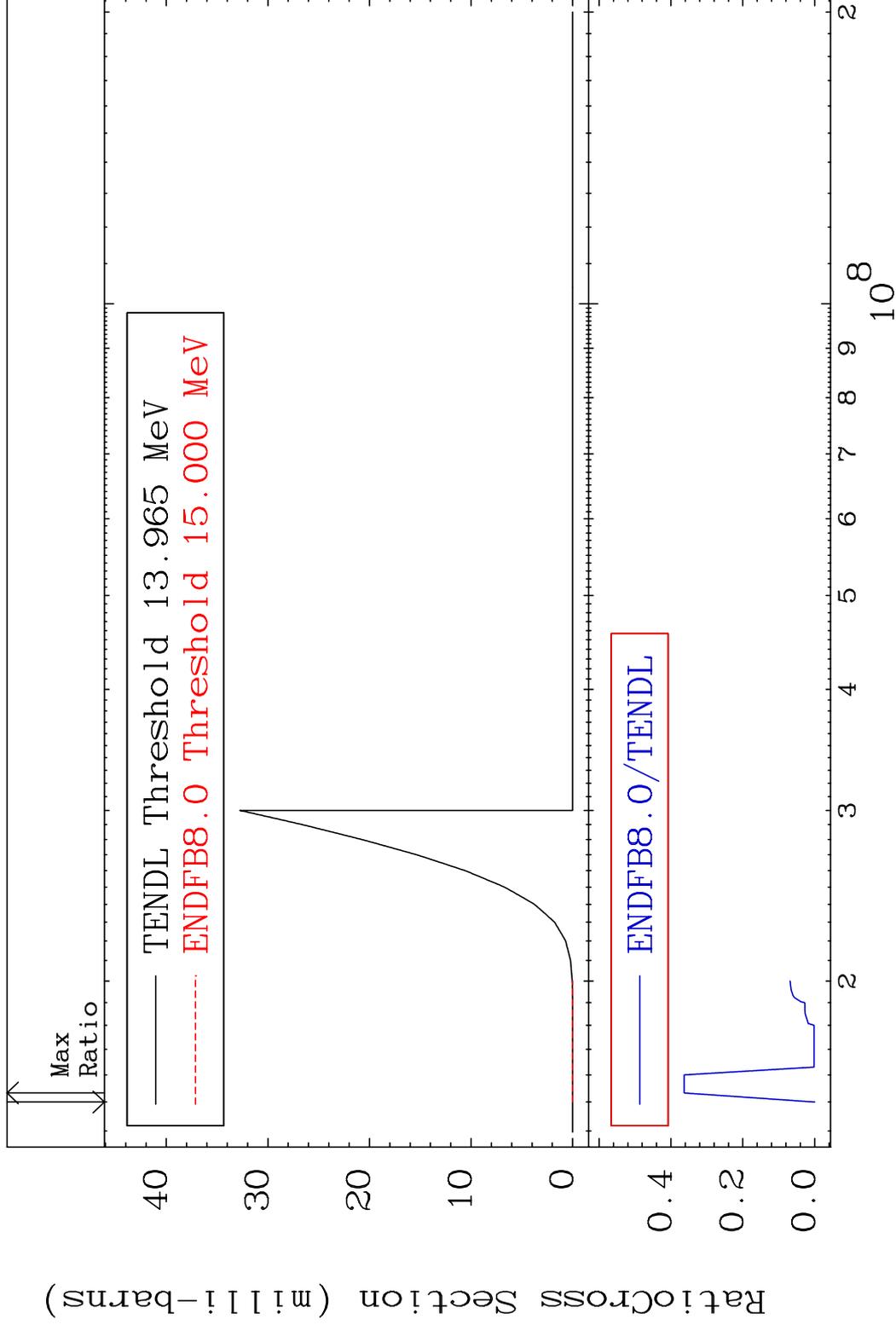
62-Sm-151

MAT 6246

(n,2n) p

62-Sm-151

Cross Section -100.0 To -63.67%

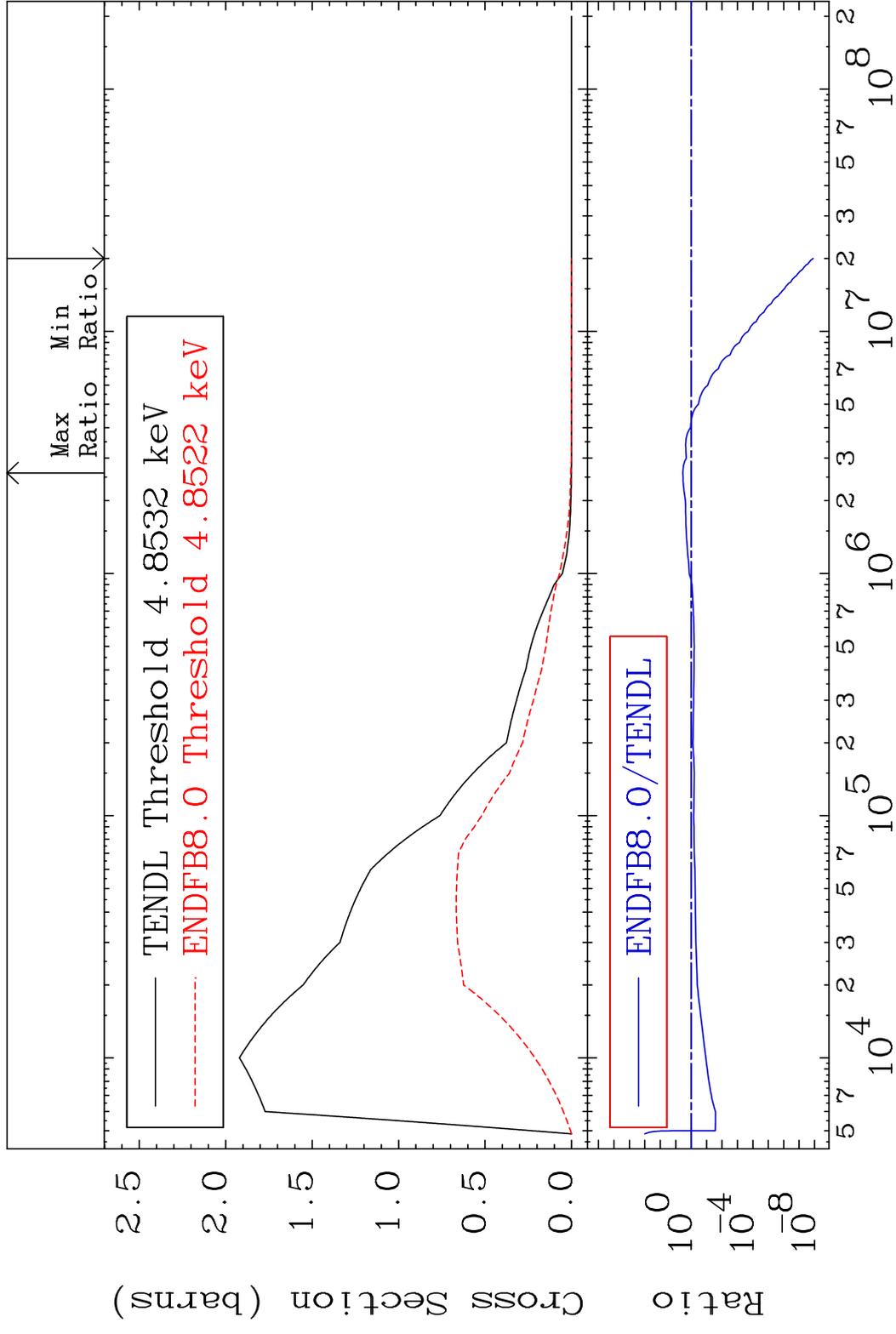


9

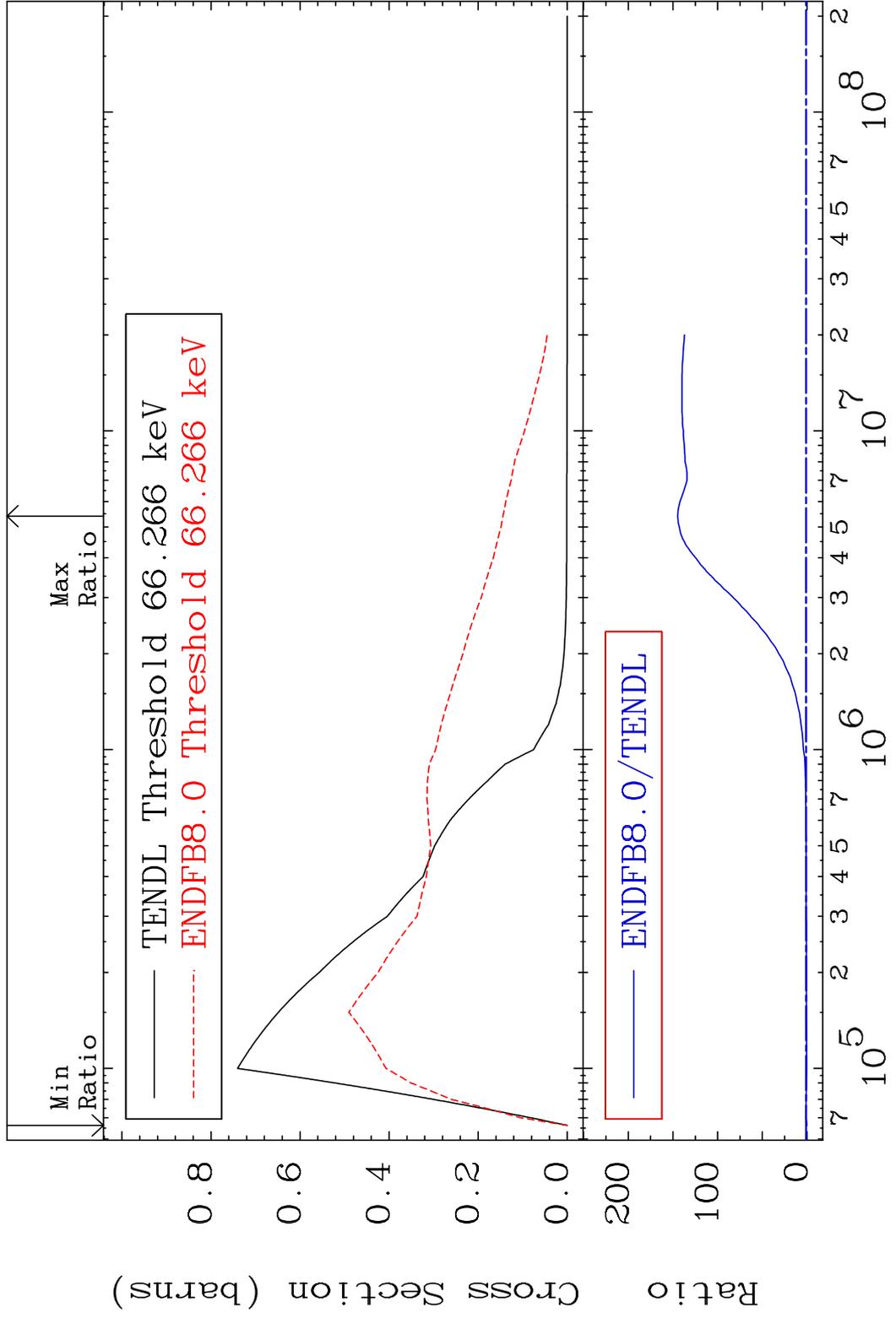
Incident Energy (eV)

62-Sm-151

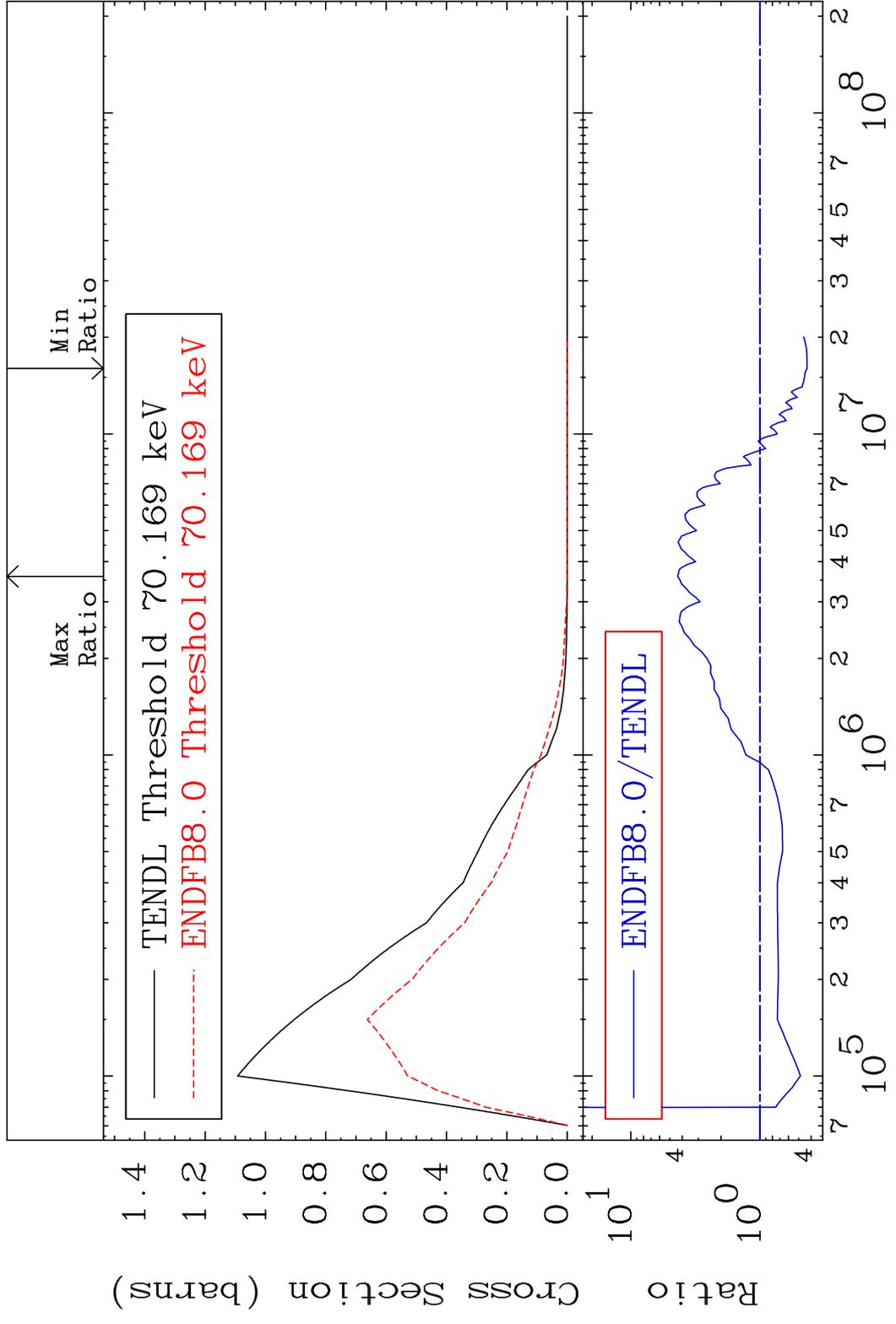
MAT 6246 MT= 51 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 244.1 %



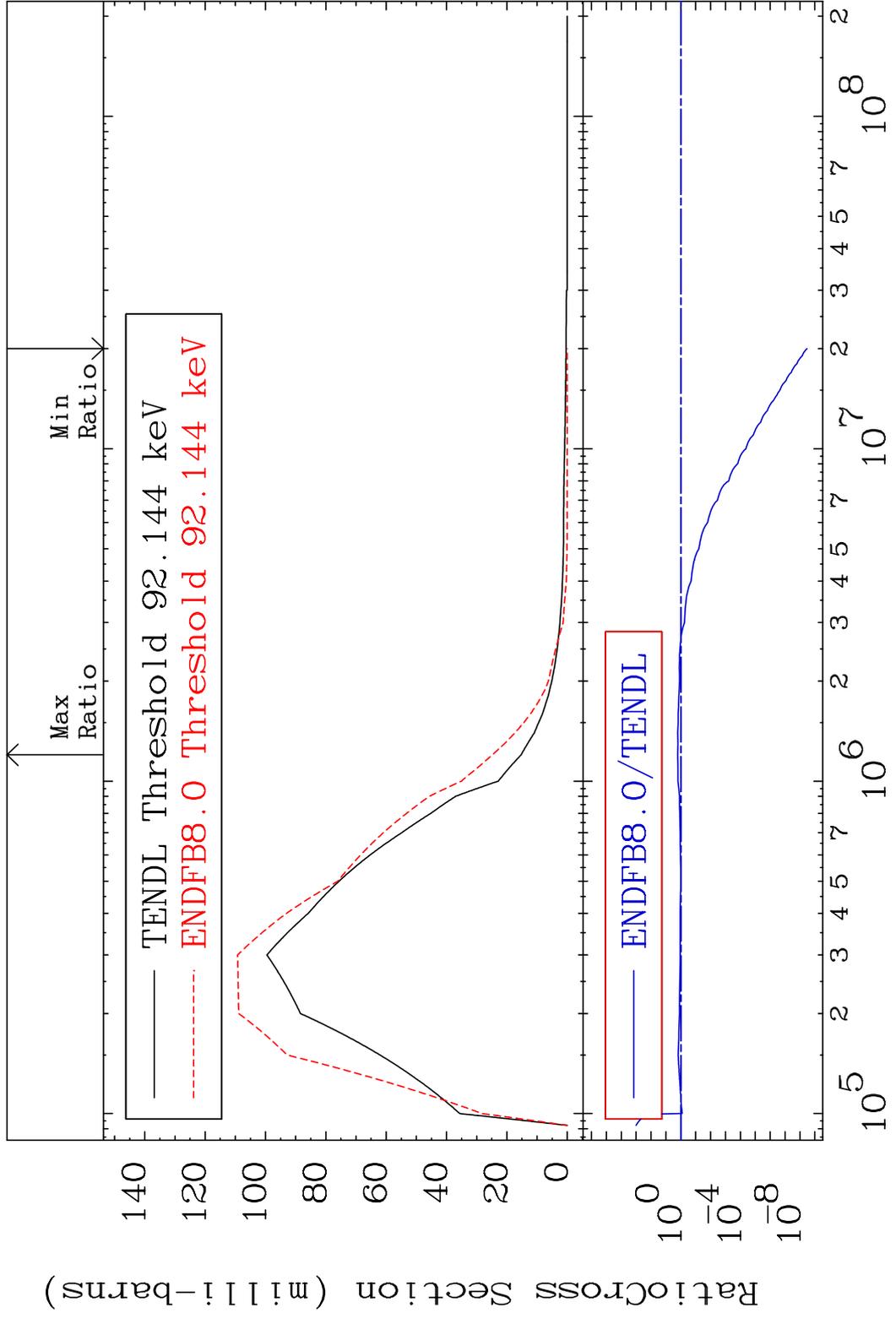
MAT 6246 MT= 52 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 9999. %



MAT 6246 MT= 53 (n, n') Level 62-Sm-151
 Cross Section -56.95 To 333.8 %

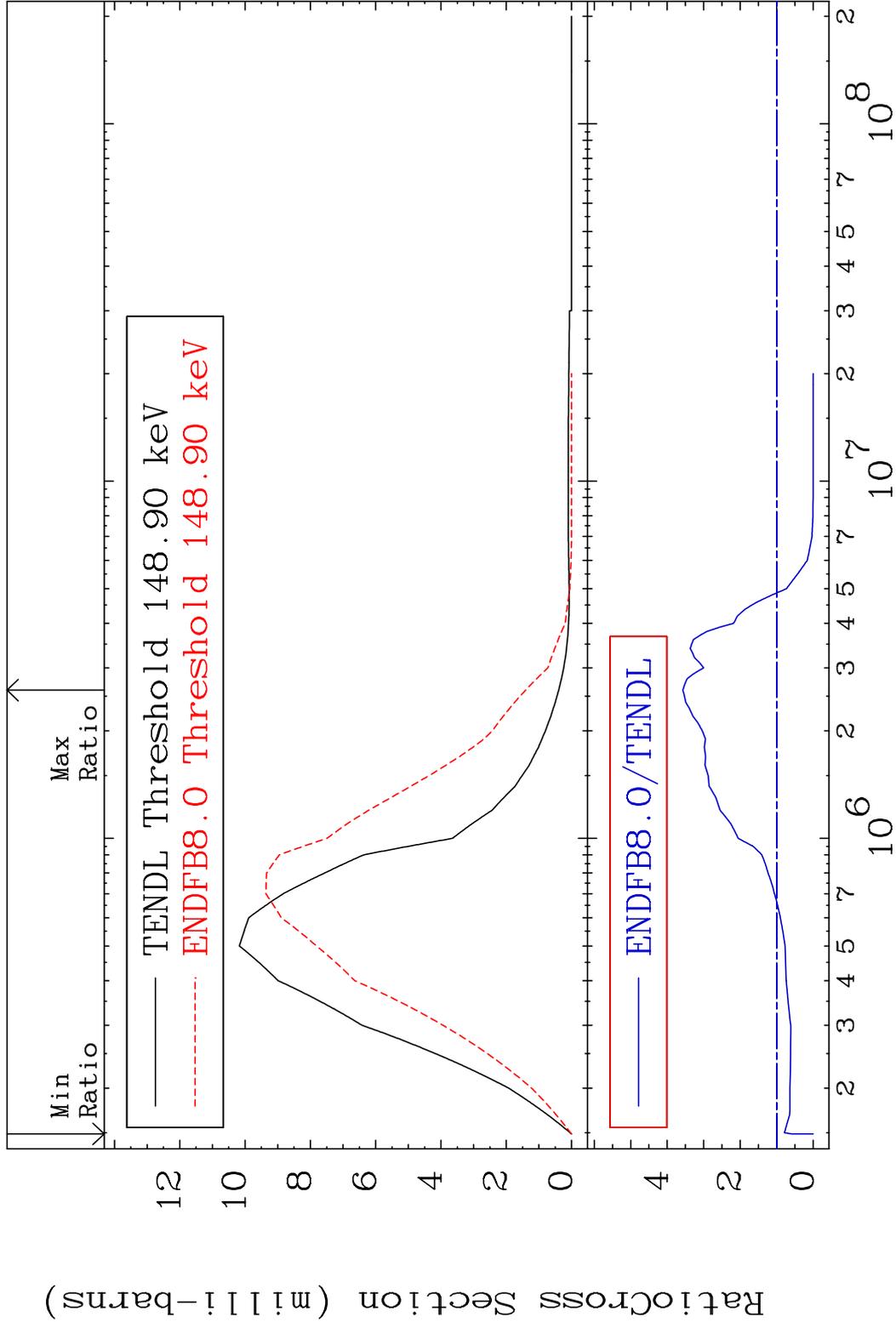


MAT 6246 MT= 54 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 61.80 %

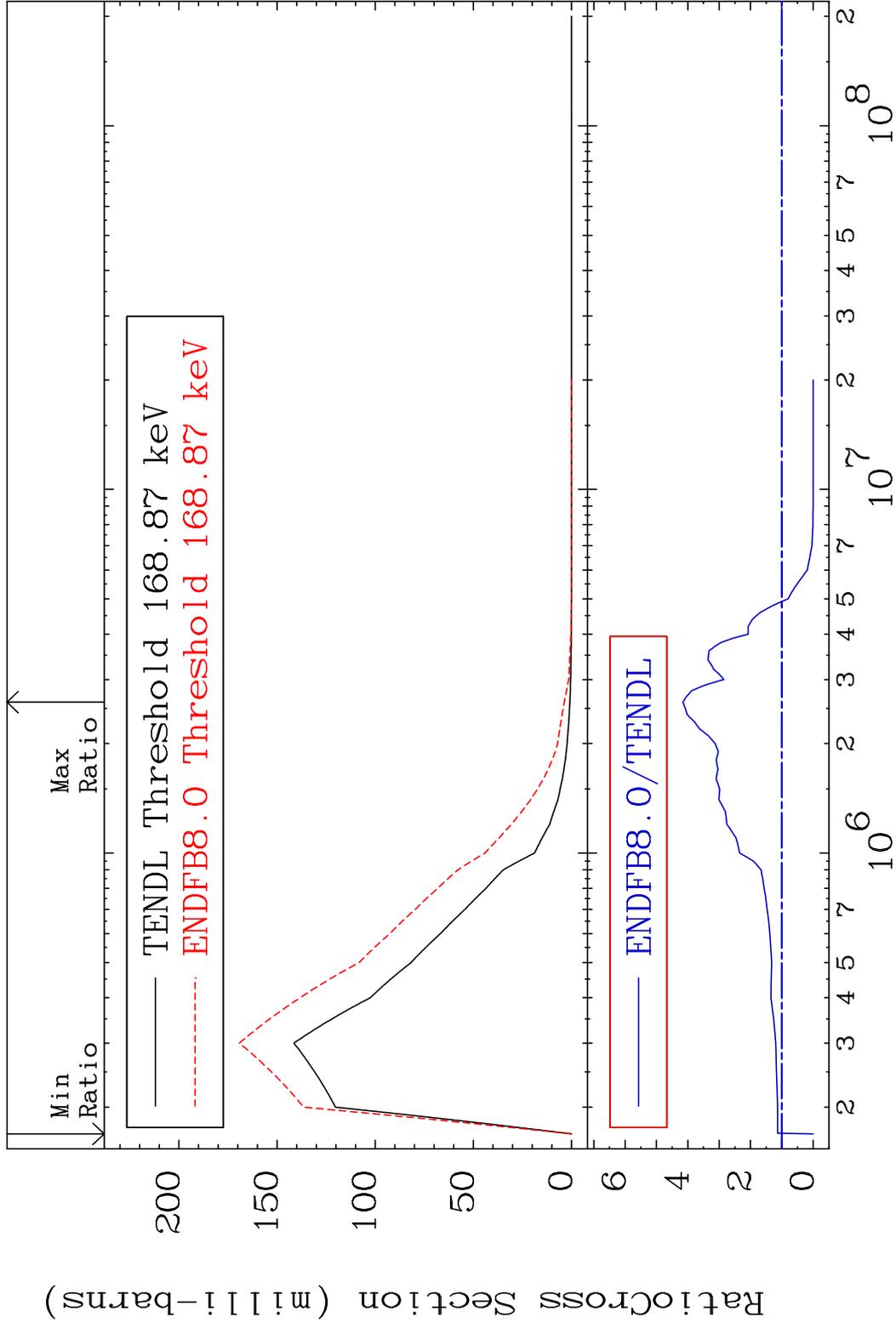


13 Incident Energy (eV) 62-Sm-151

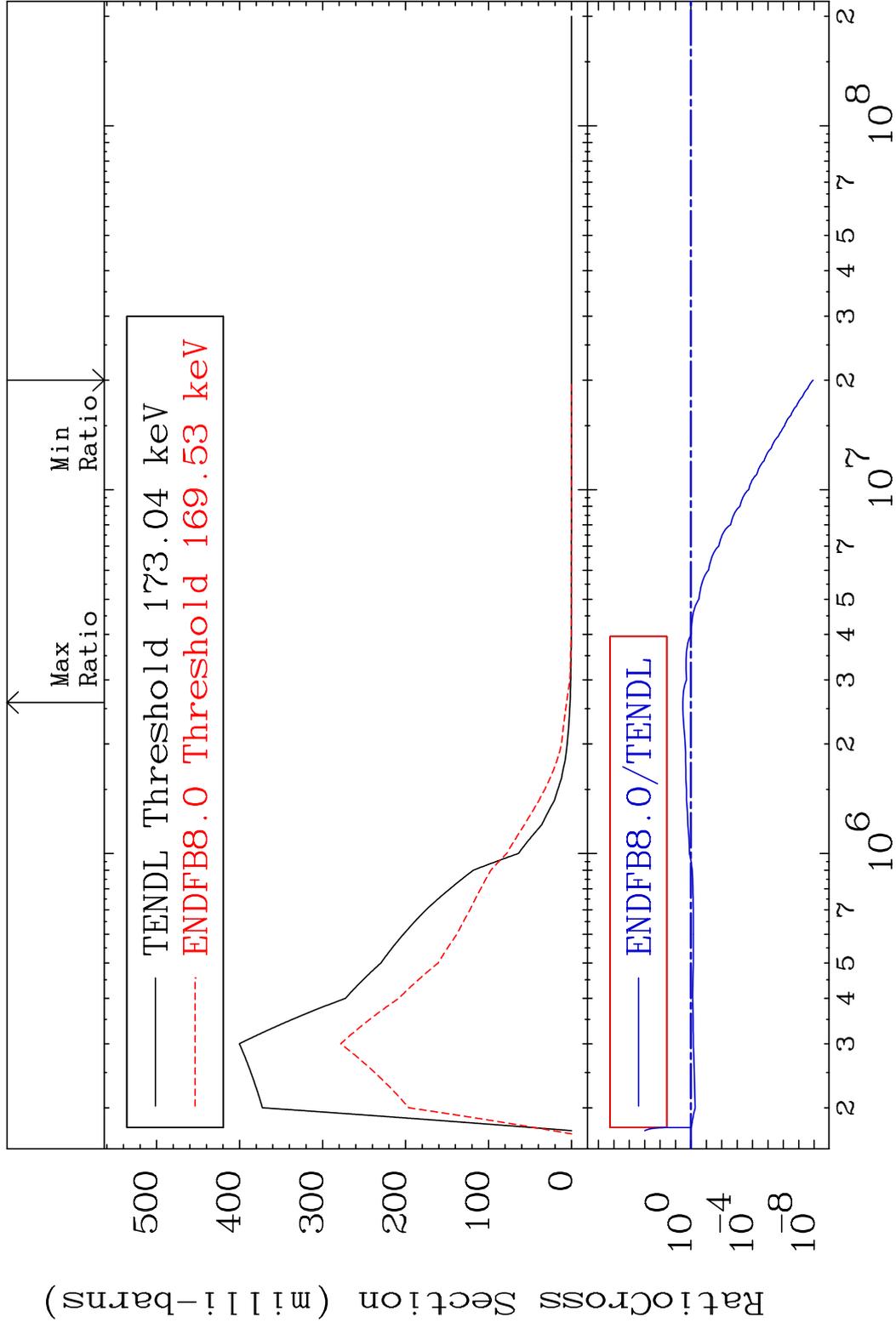
MAT 6246 MT= 56 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 257.2 %



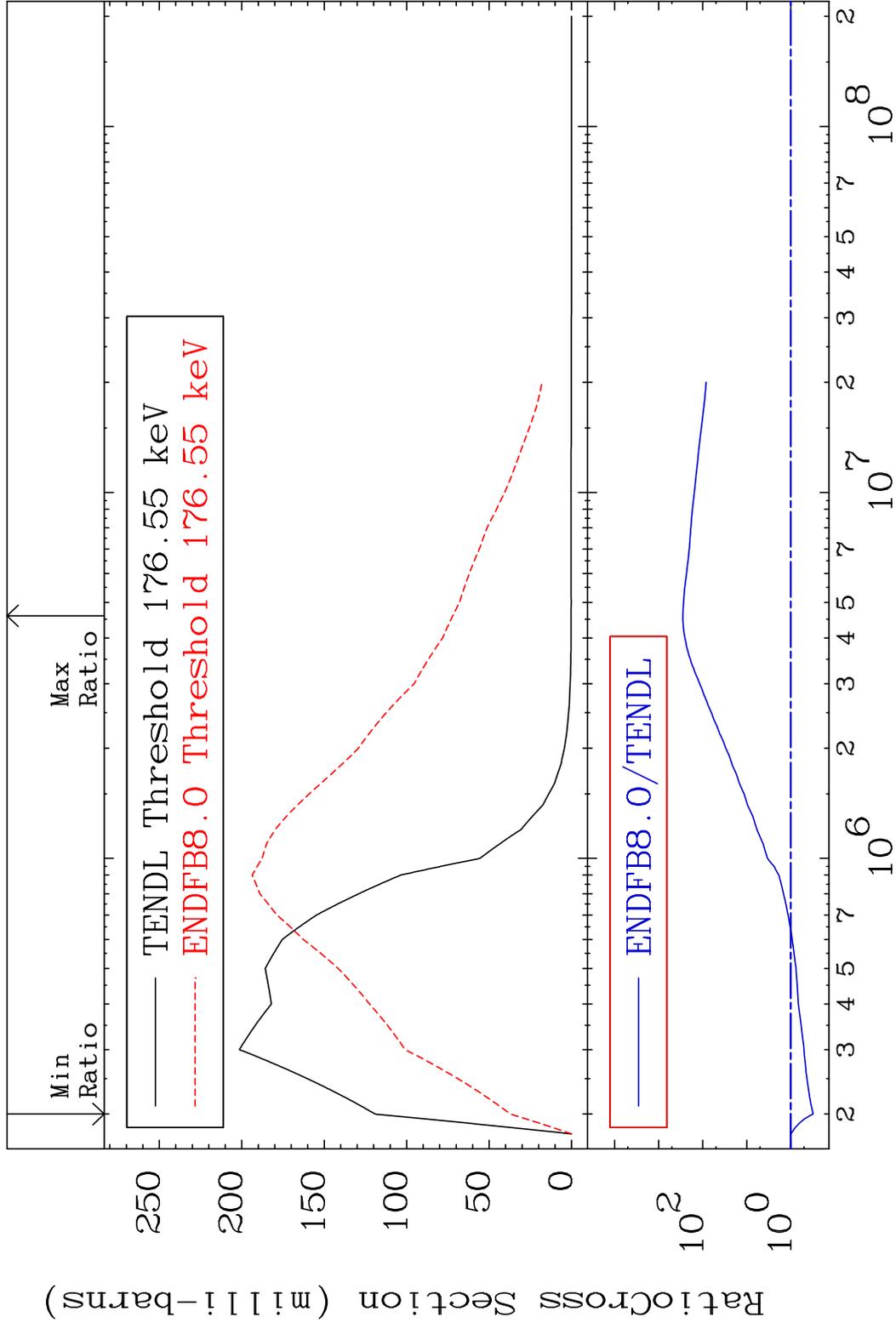
MAT 6246 MT= 57 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 315.8 %



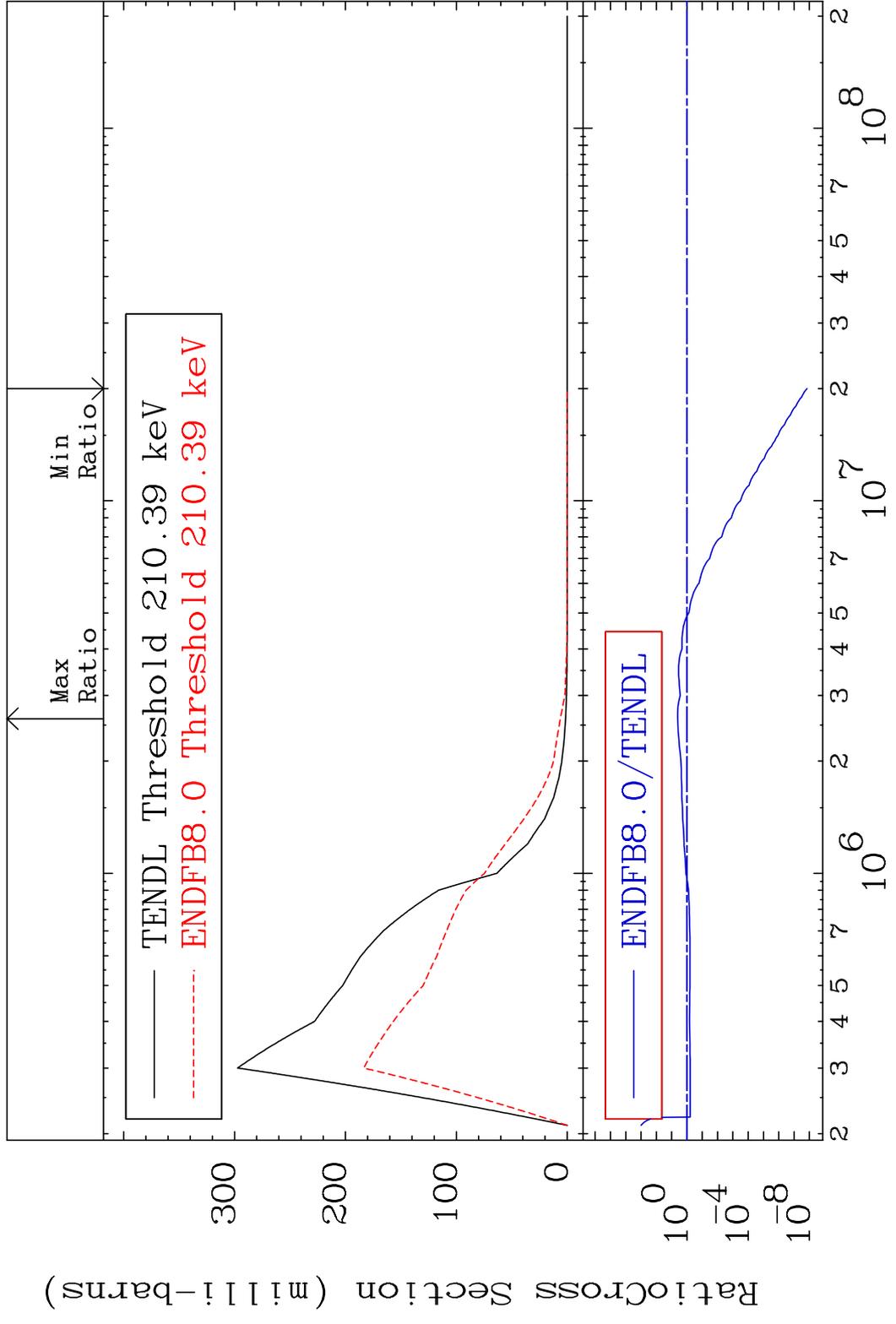
MAT 6246 MT= 58 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 234.6 %



MAT 6246 MT= 59 (n, n') Level 62-Sm-151
 Cross Section -68.89 To 9999. %

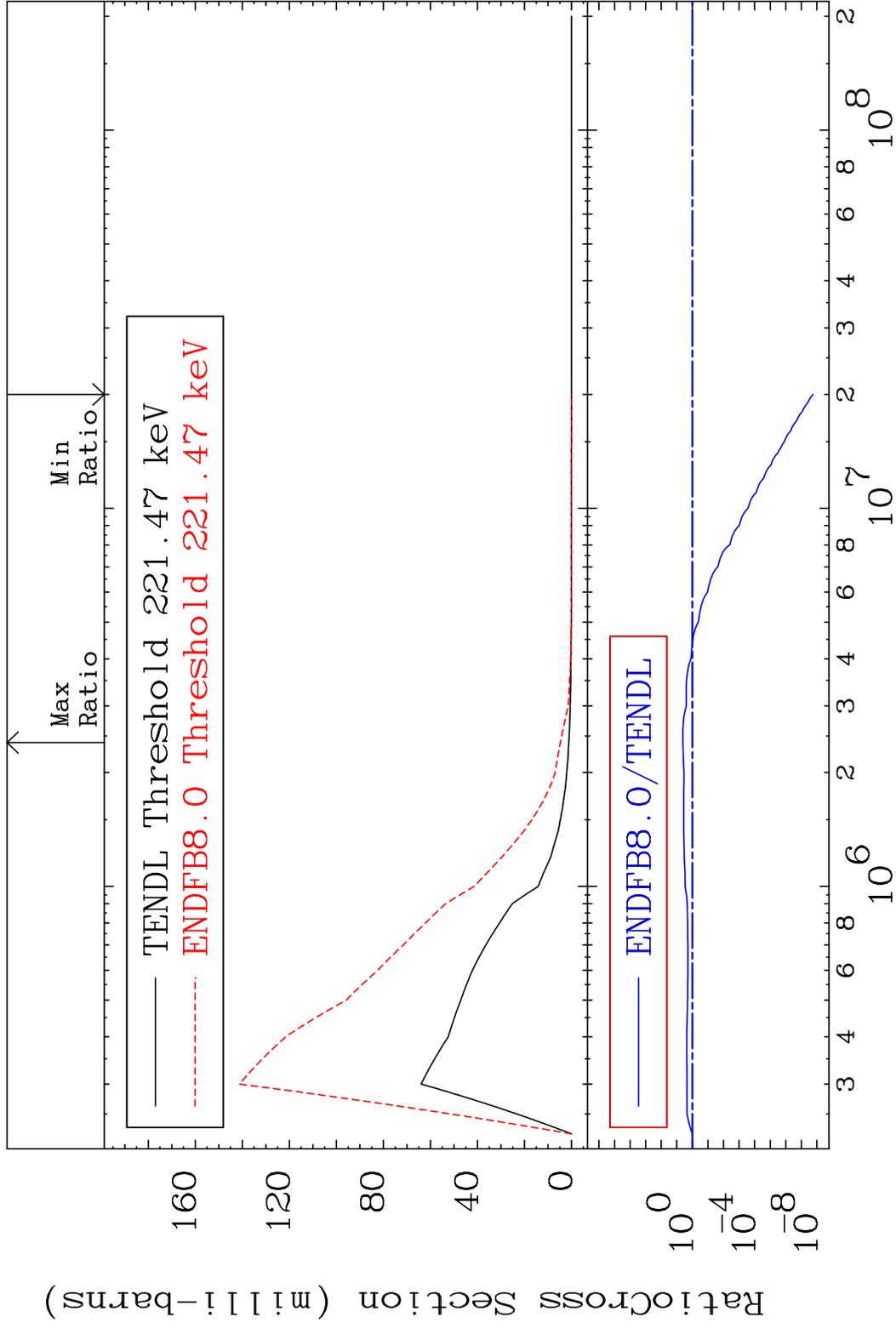


MAT 6246 MT= 60 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 304.3 %

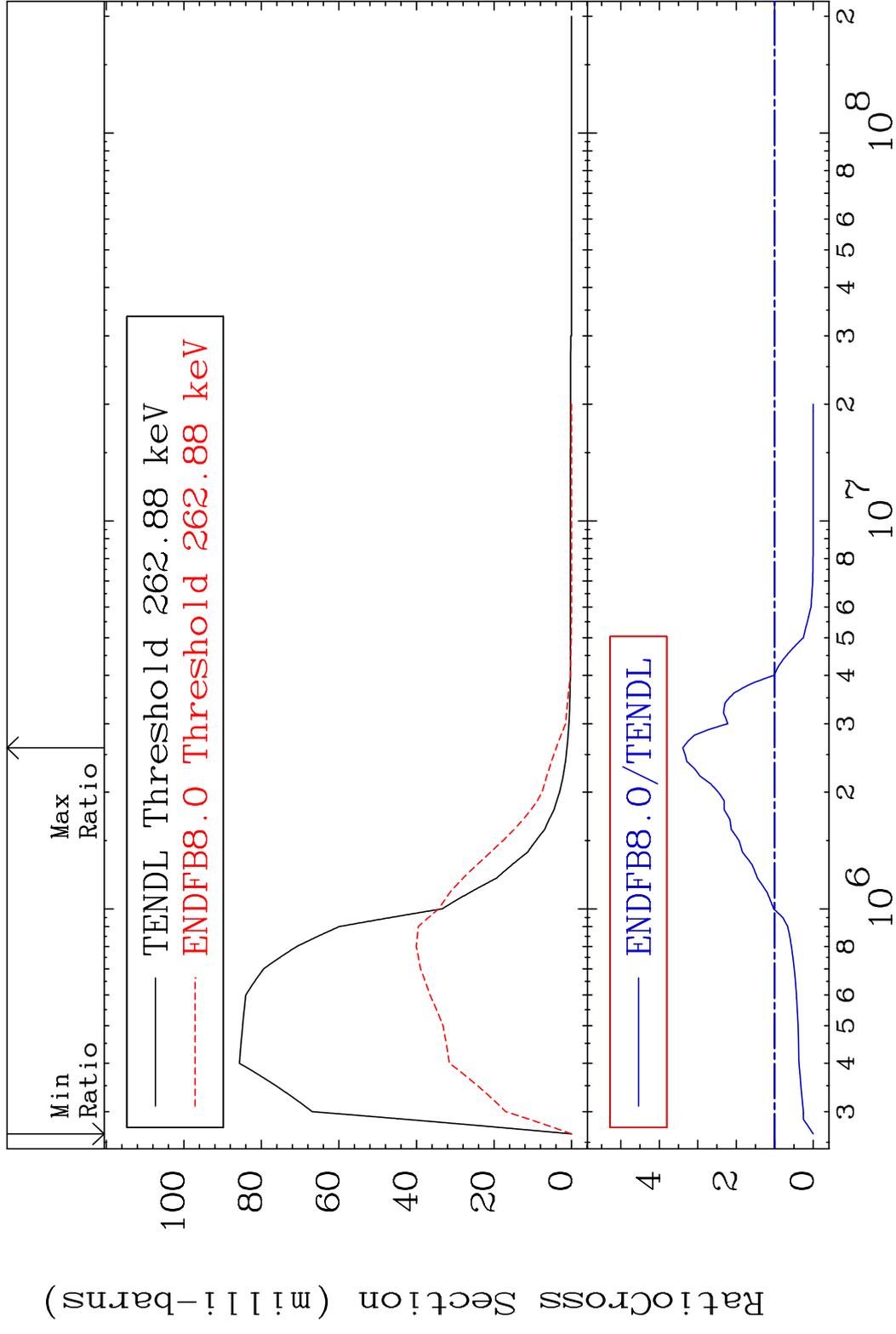


19 Incident Energy (eV) 62-Sm-151

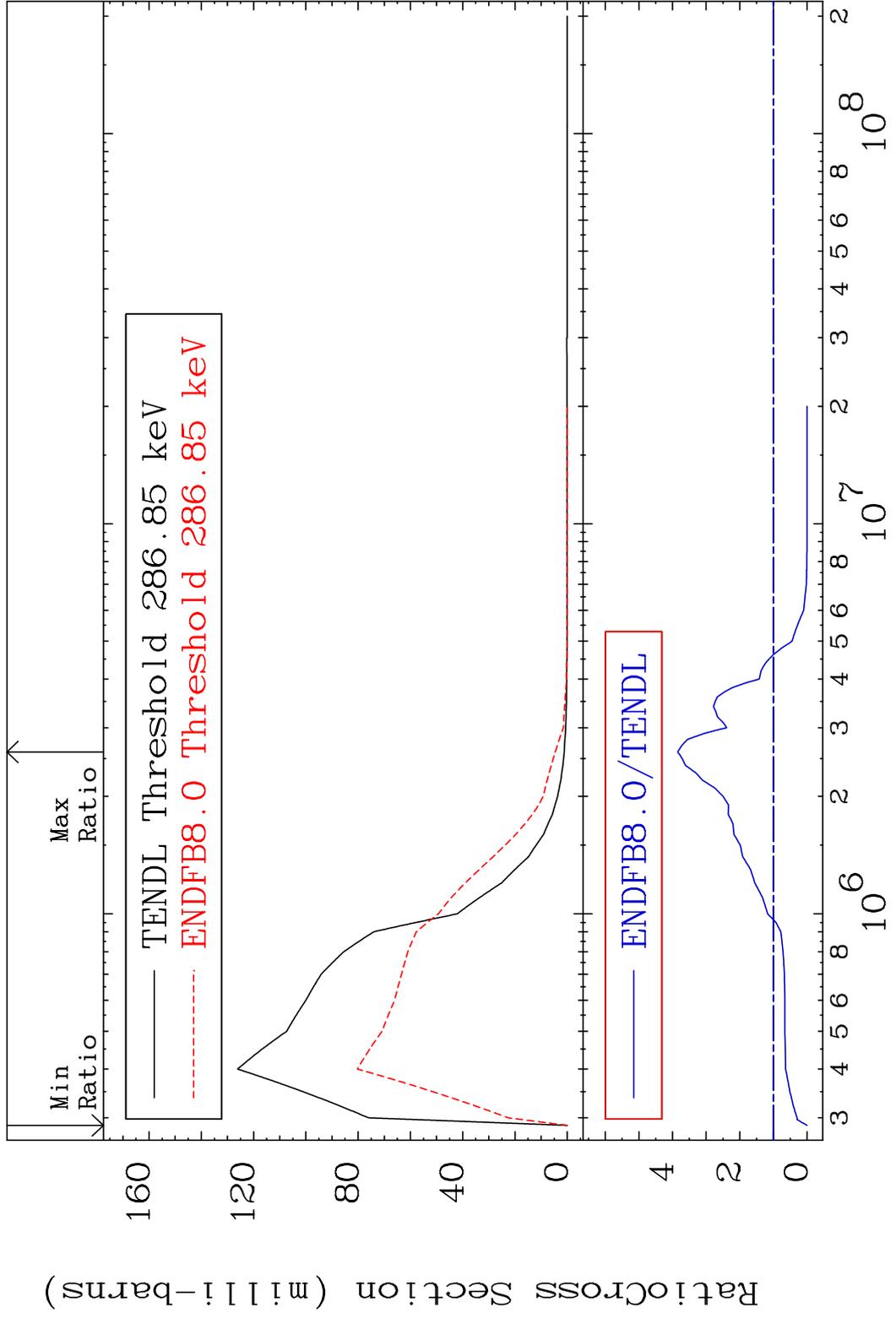
MAT 6246 MT= 61 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 309.6 %



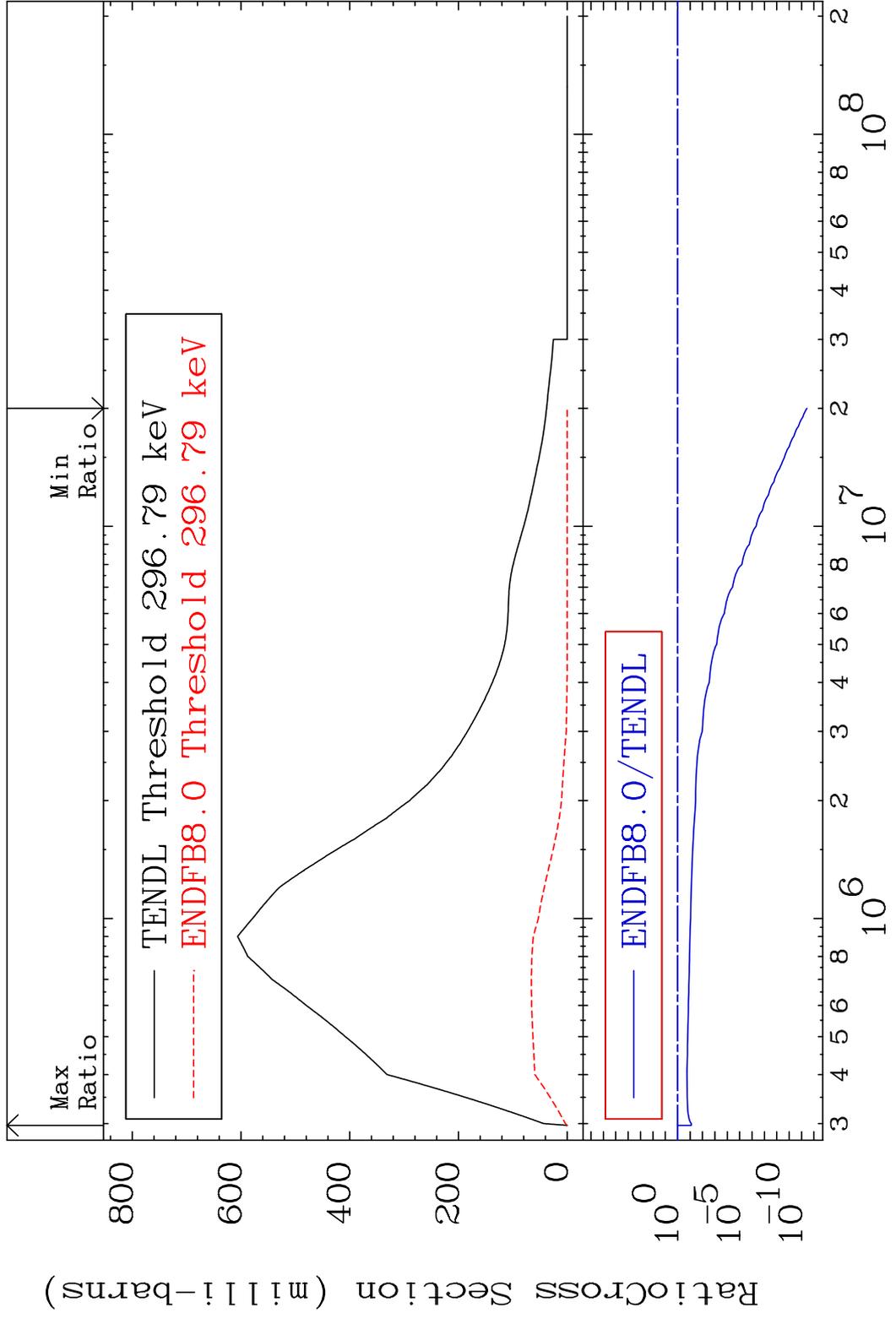
MAT 6246 MT= 62 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 238.7 %



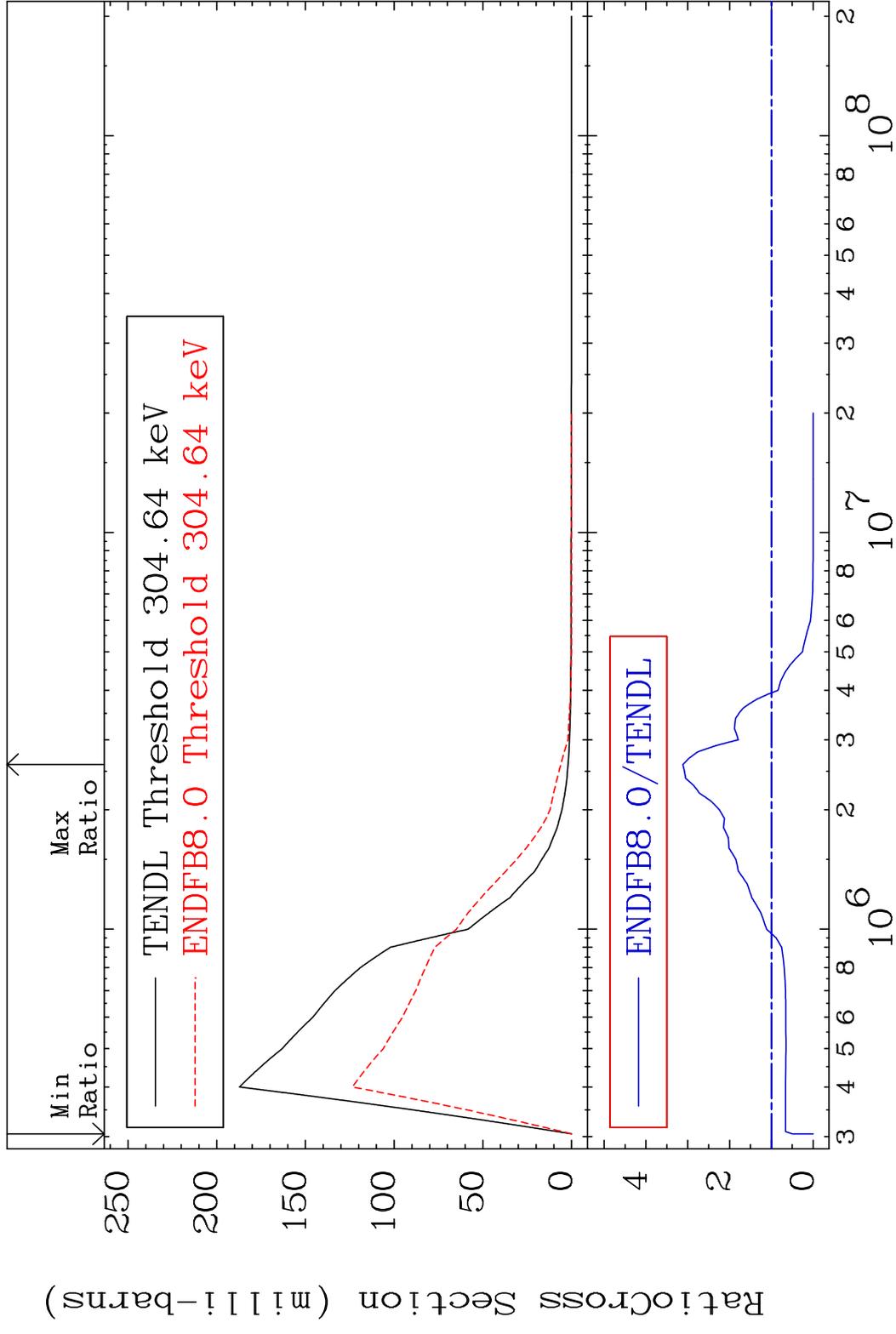
MAT 6246 MT= 63 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 284.6 %



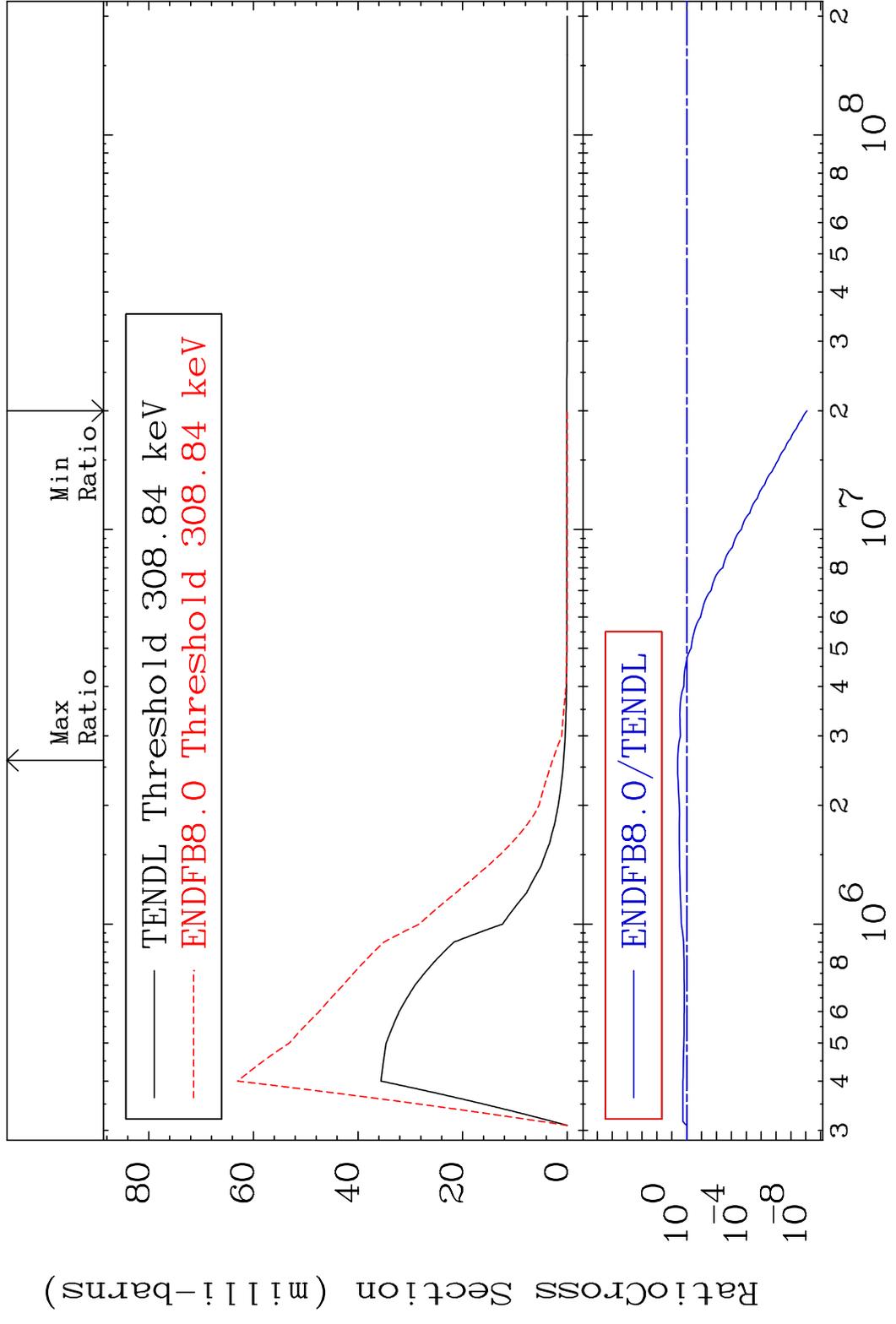
MAT 6246 MT= 64 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 0.000 %



MAT 6246 MT= 65 (n,n') Level 62-Sm-151
 Cross Section -100.0 To 211.8 %



MAT 6246 MT= 66 (n, n') Level 62-Sm-151
 Cross Section -100.0 To 303.4 %

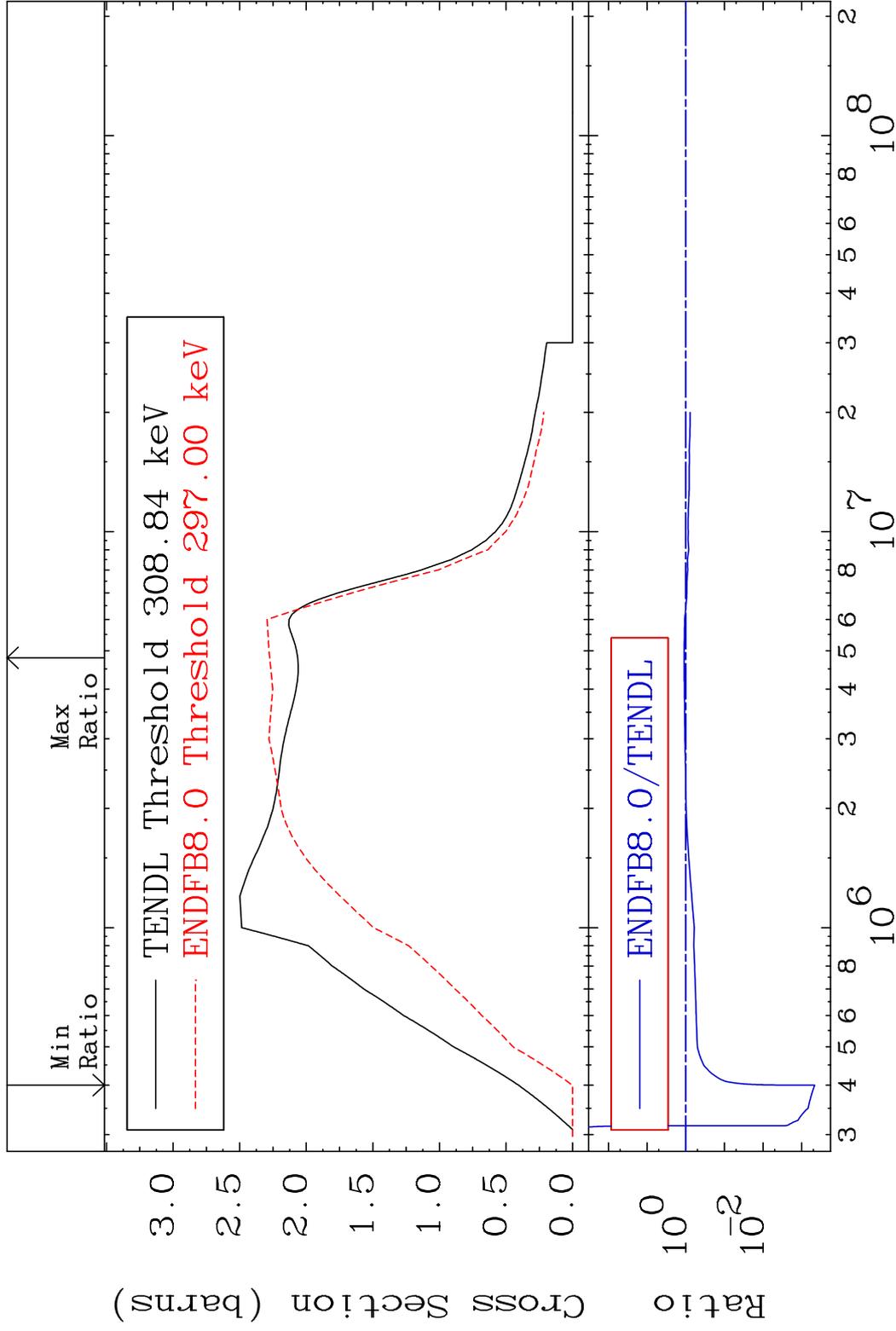


MAT 6246

(n,n') Continuum

62-Sm-151

Cross Section -99.95 To 10.19 %



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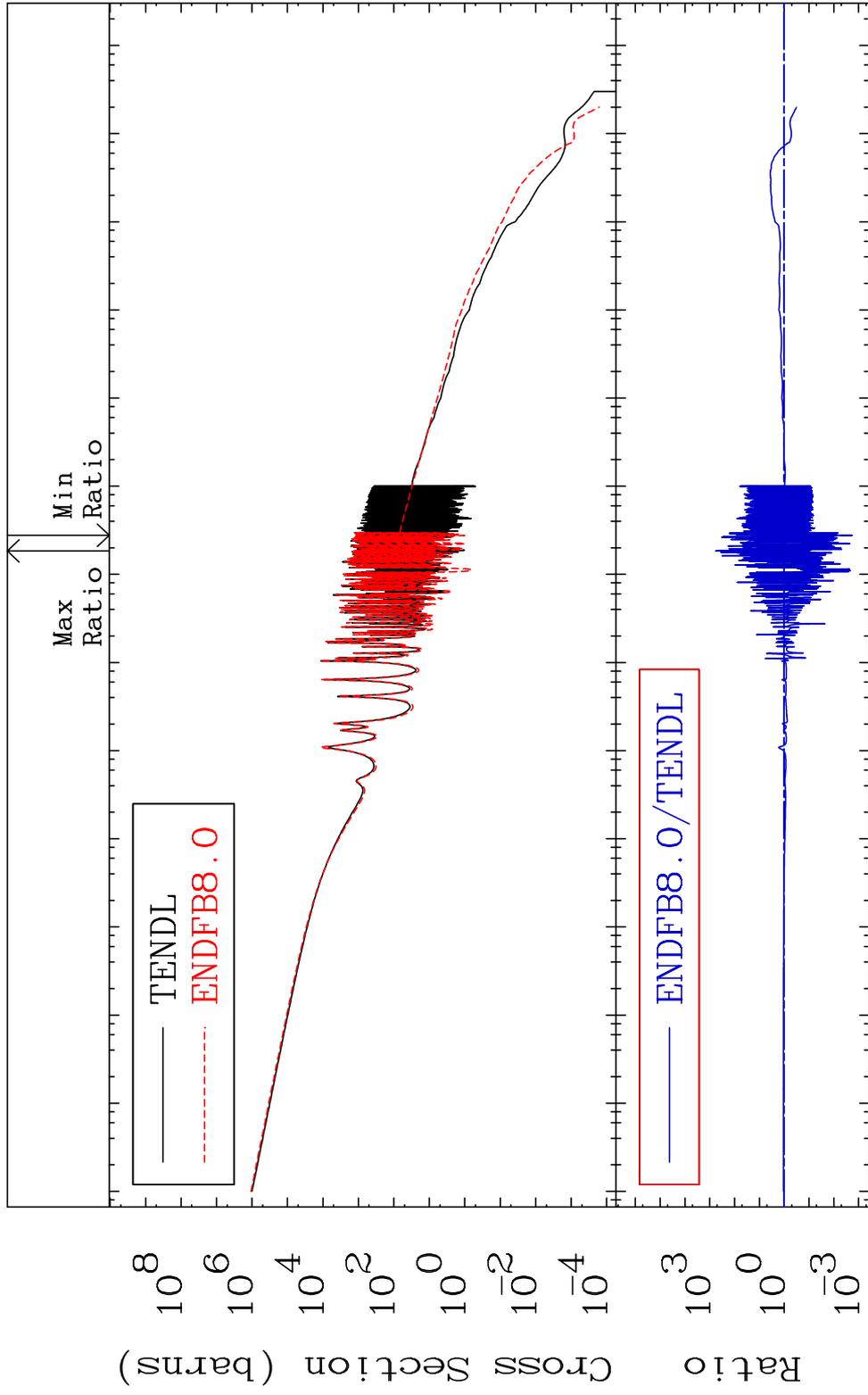
Incident Energy (eV)

62-Sm-151

MAT 6246

(n, γ)
Cross Section -99.82 To 9999. %

62-Sm-151

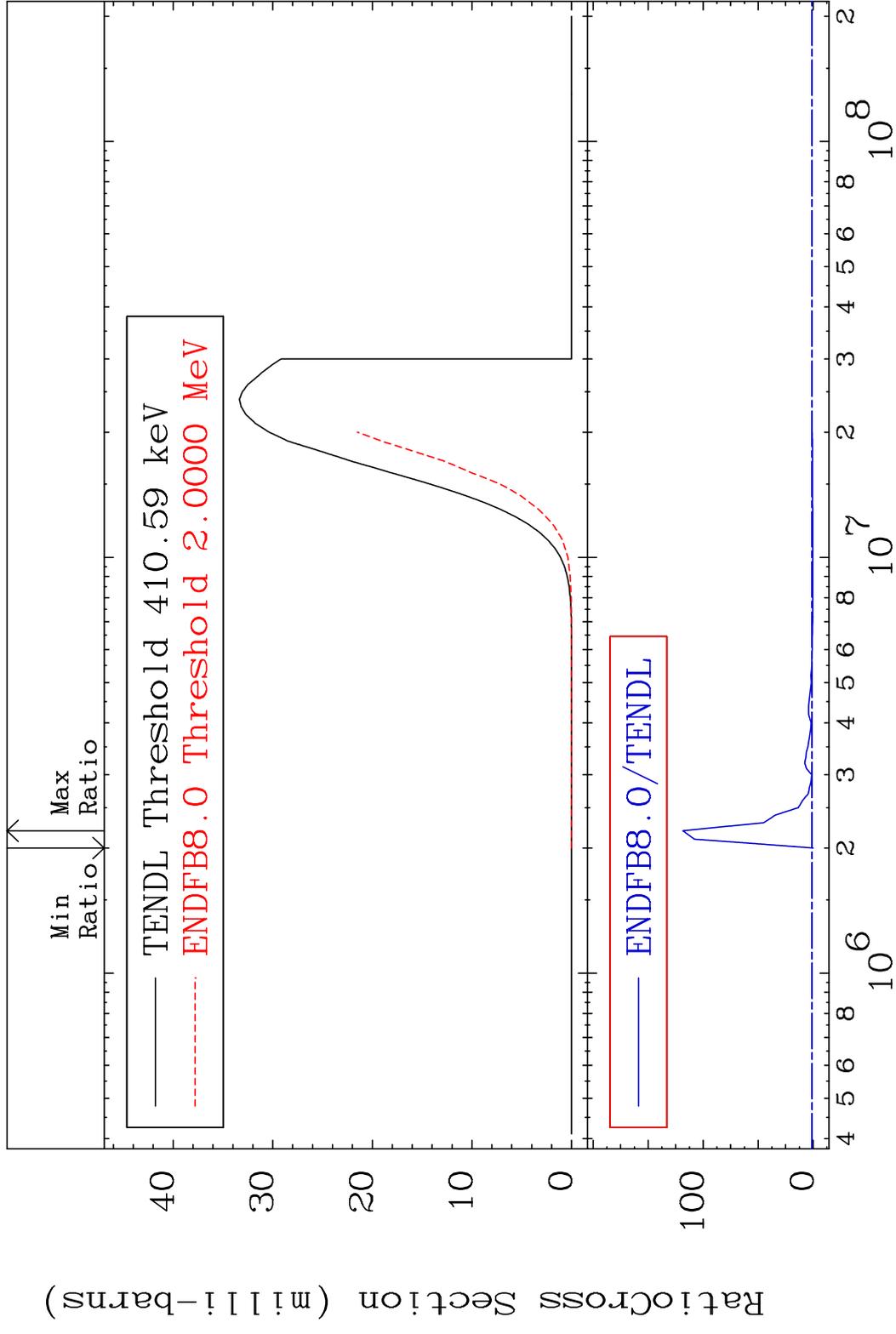


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Incident Energy (eV)

62-Sm-151

MAT 6246 (n,p) 62-Sm-151
 Cross Section -100.0 To 9999. %

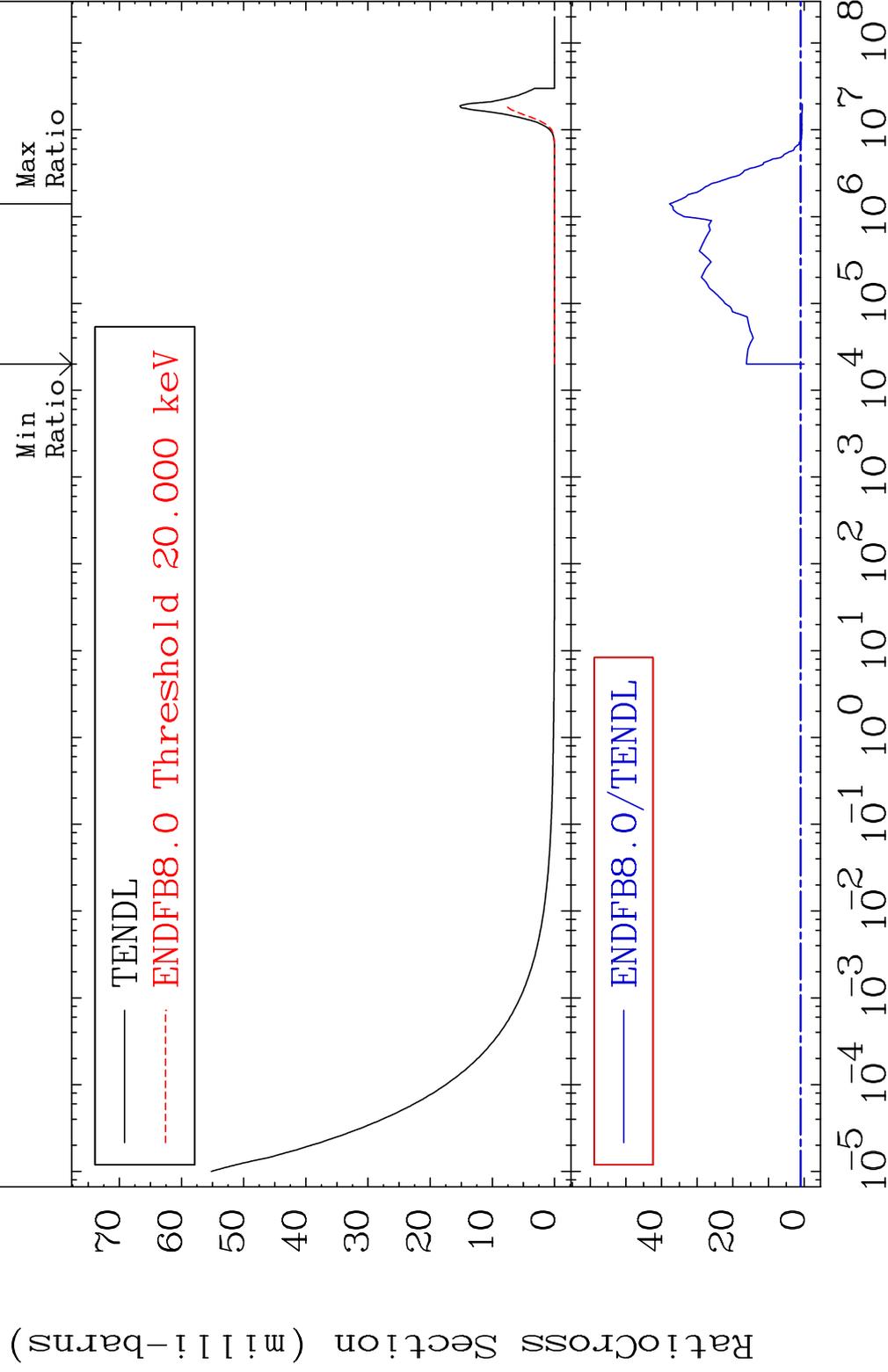


MAT 6246

(n, α)

62-Sm-151

Cross Section -100.0 To 3676. %

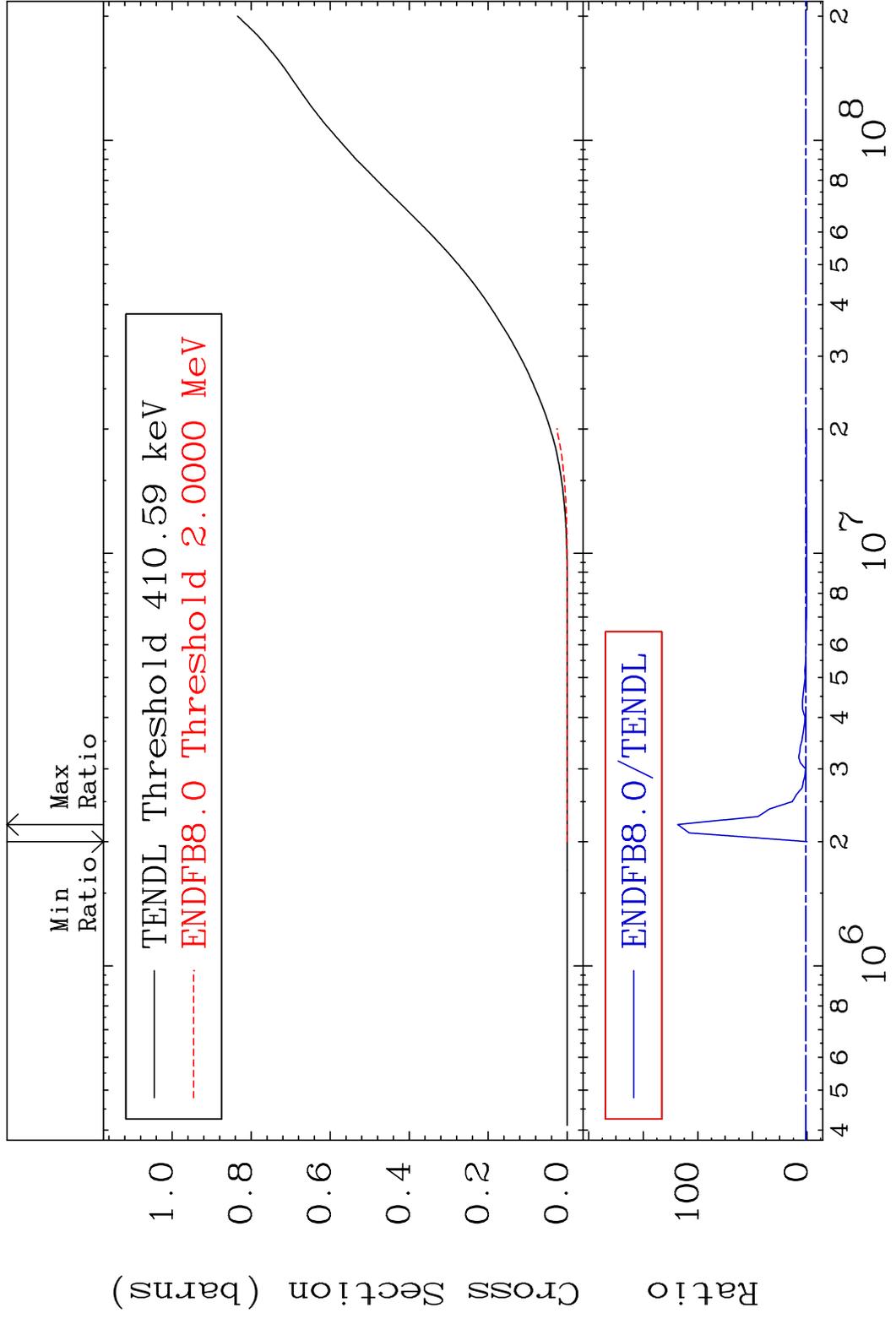


29

Incident Energy (eV)

62-Sm-151

MAT 6246 Hydrogen Production 62-Sm-151
 Cross Section -100.0 To 9999. %

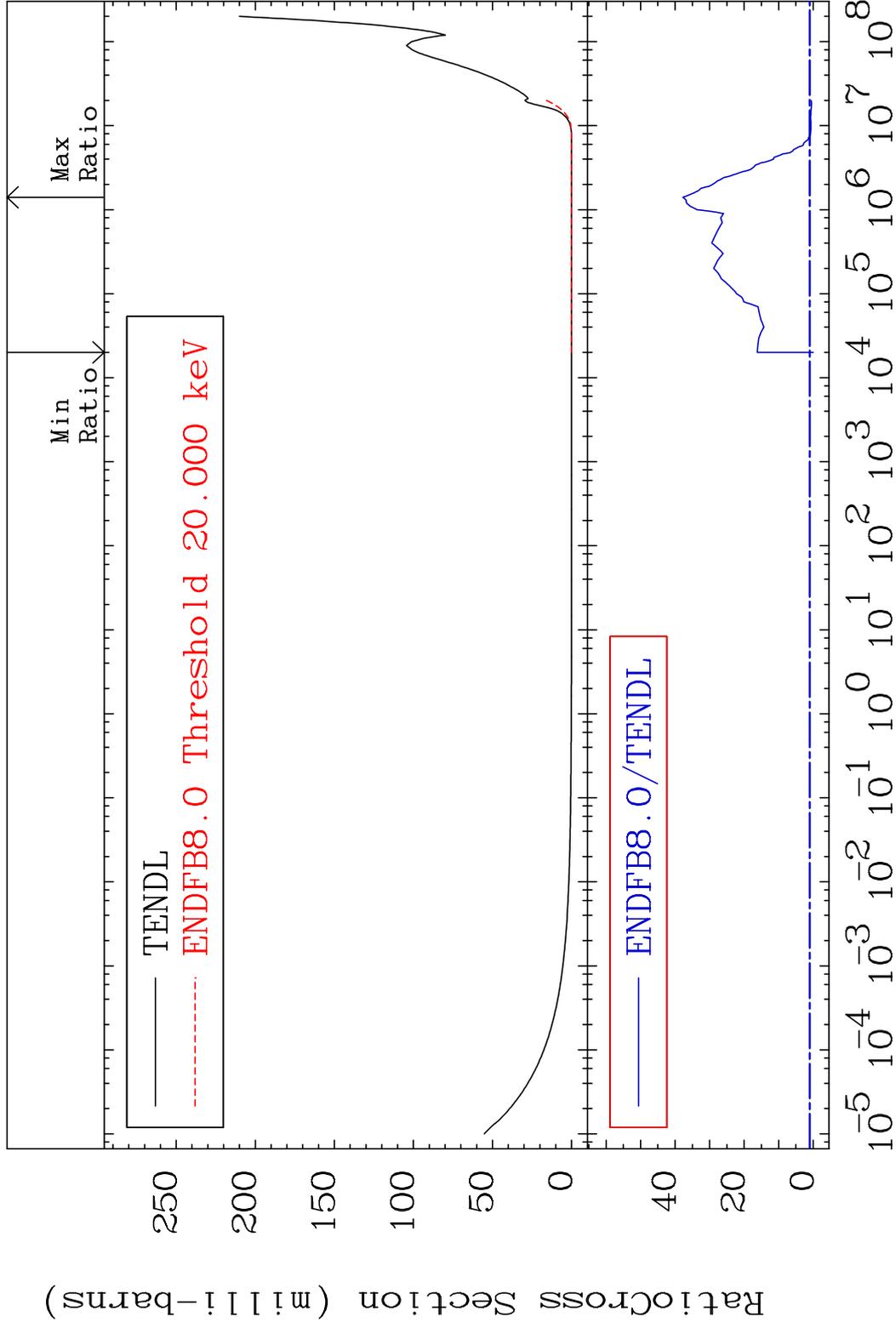


MAT 6246

He-4 Production

62-Sm-151

Cross Section -100.0 To 3676. %

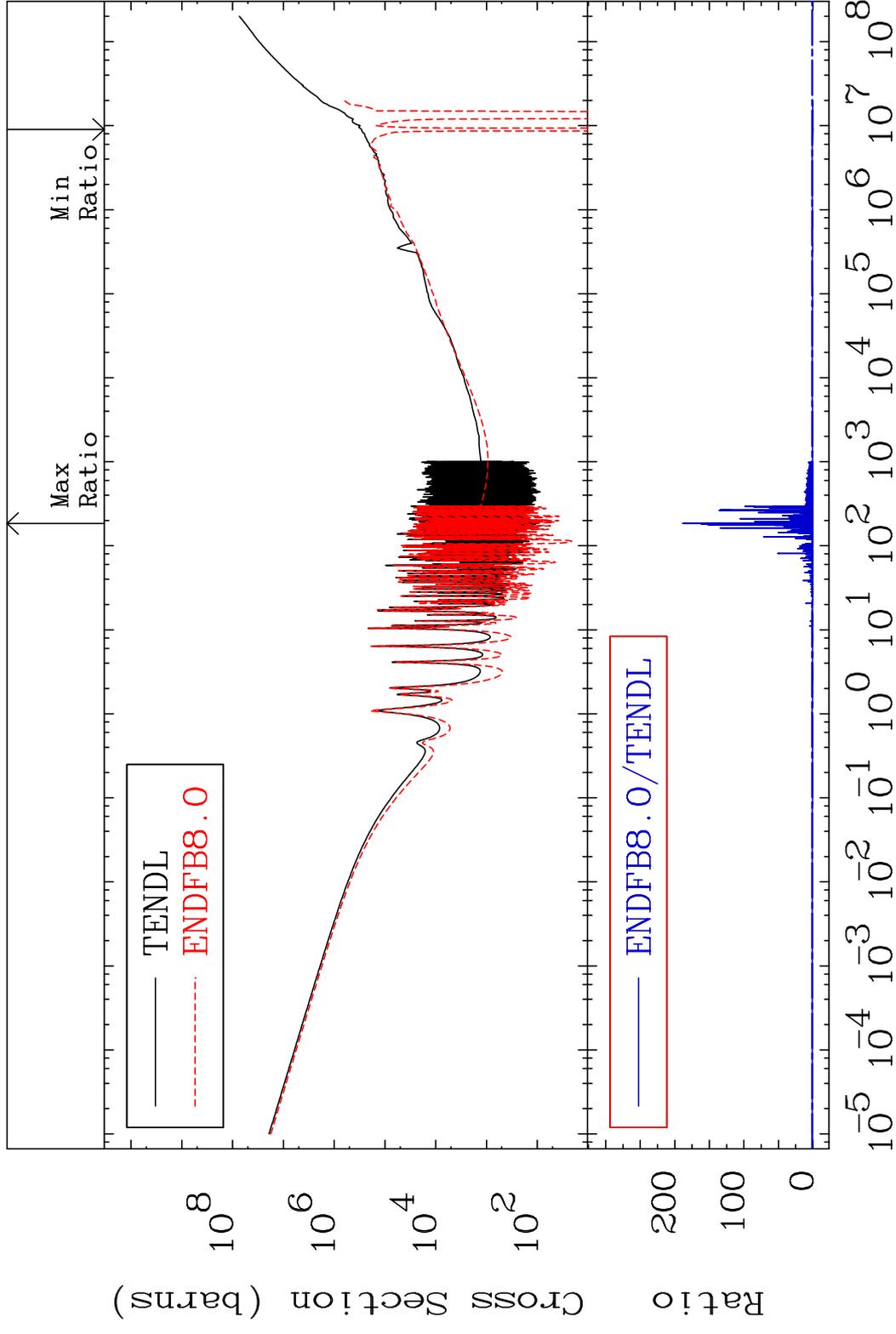


31

Incident Energy (eV)

62-Sm-151

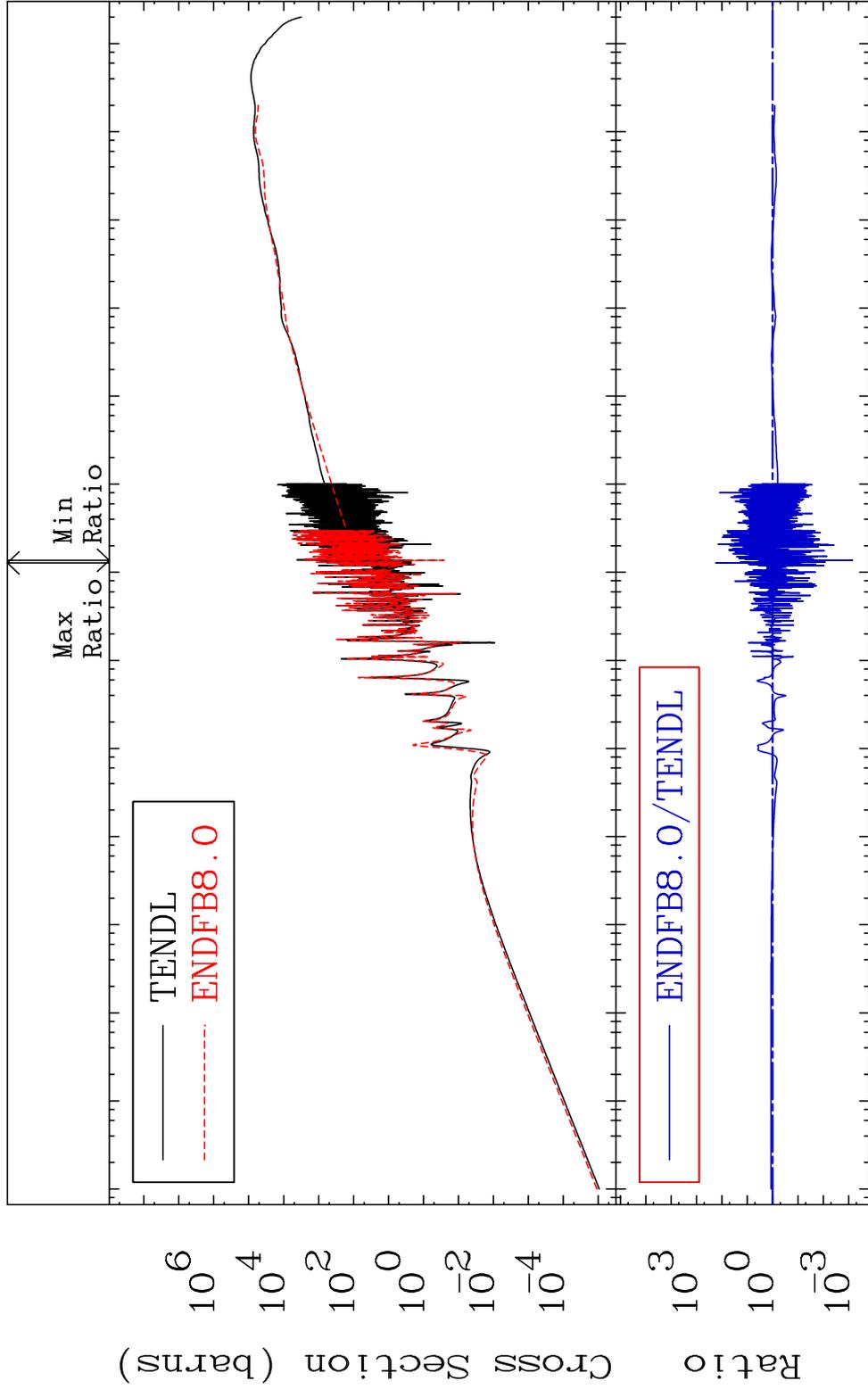
MAT 6246 Kerma total (eV-barns) 62-Sm-151
 Cross Section -127.3 To 9999. %



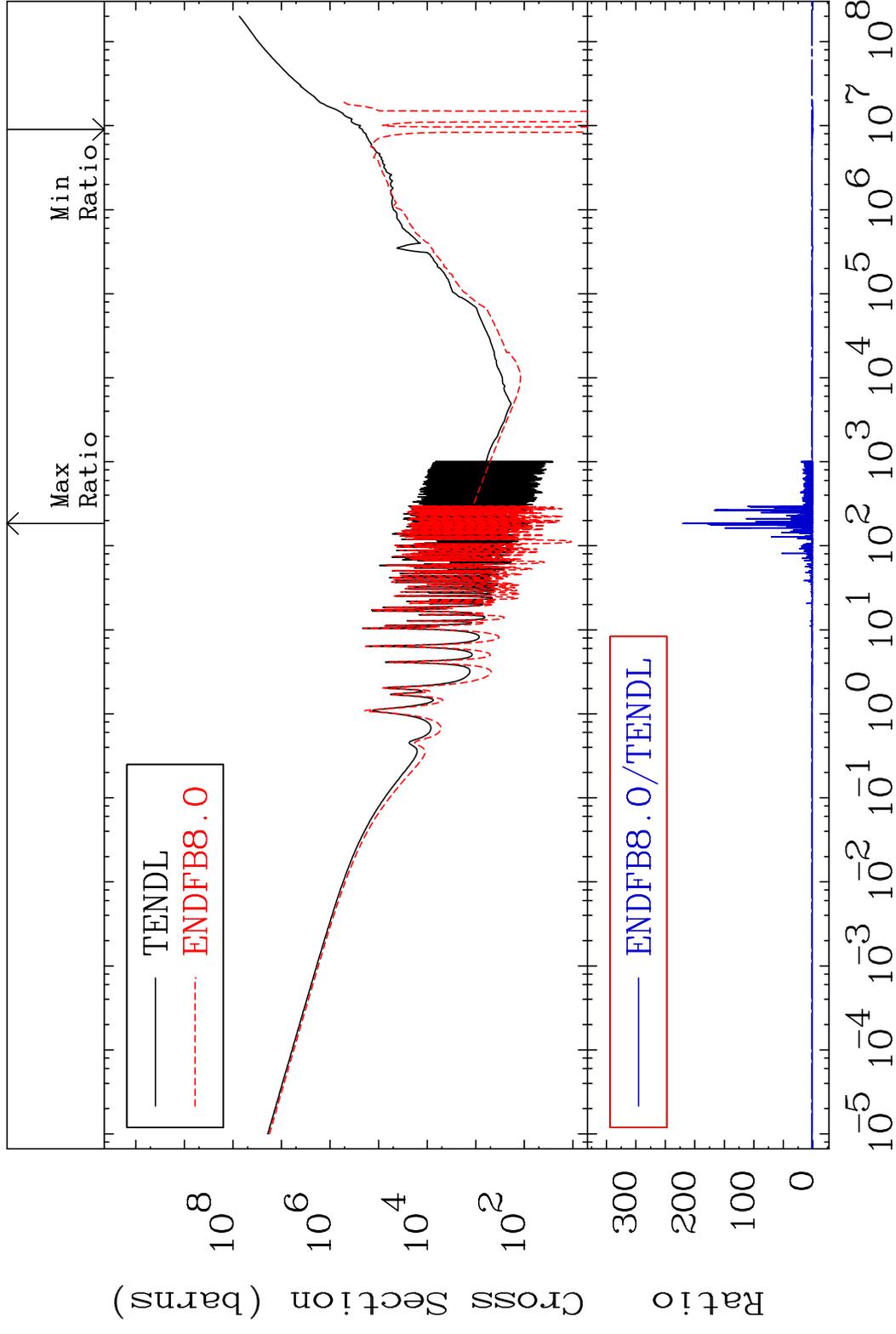
MAT 6246

Kerma elastic
Cross Section -99.93 To 9999. %

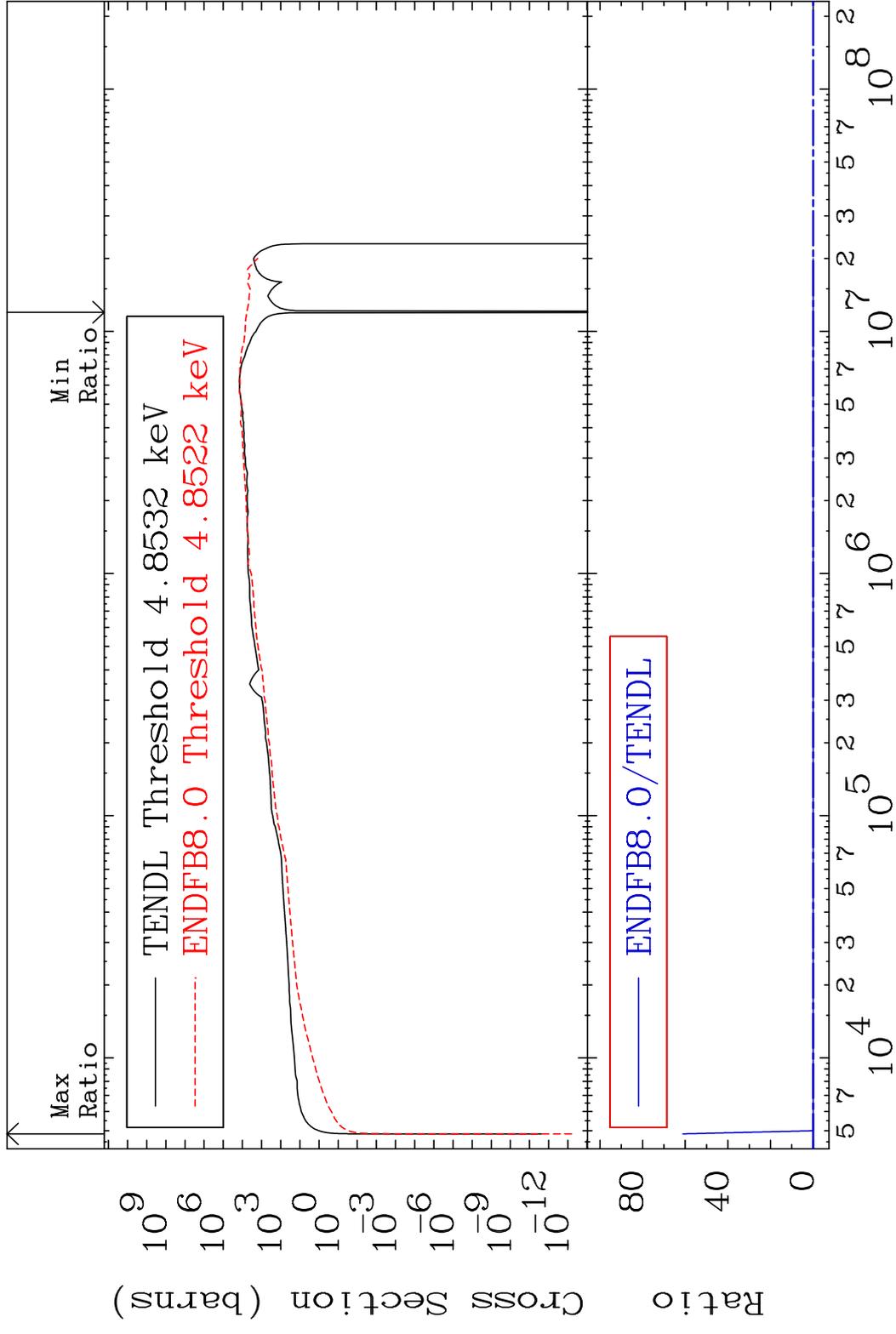
62-Sm-151



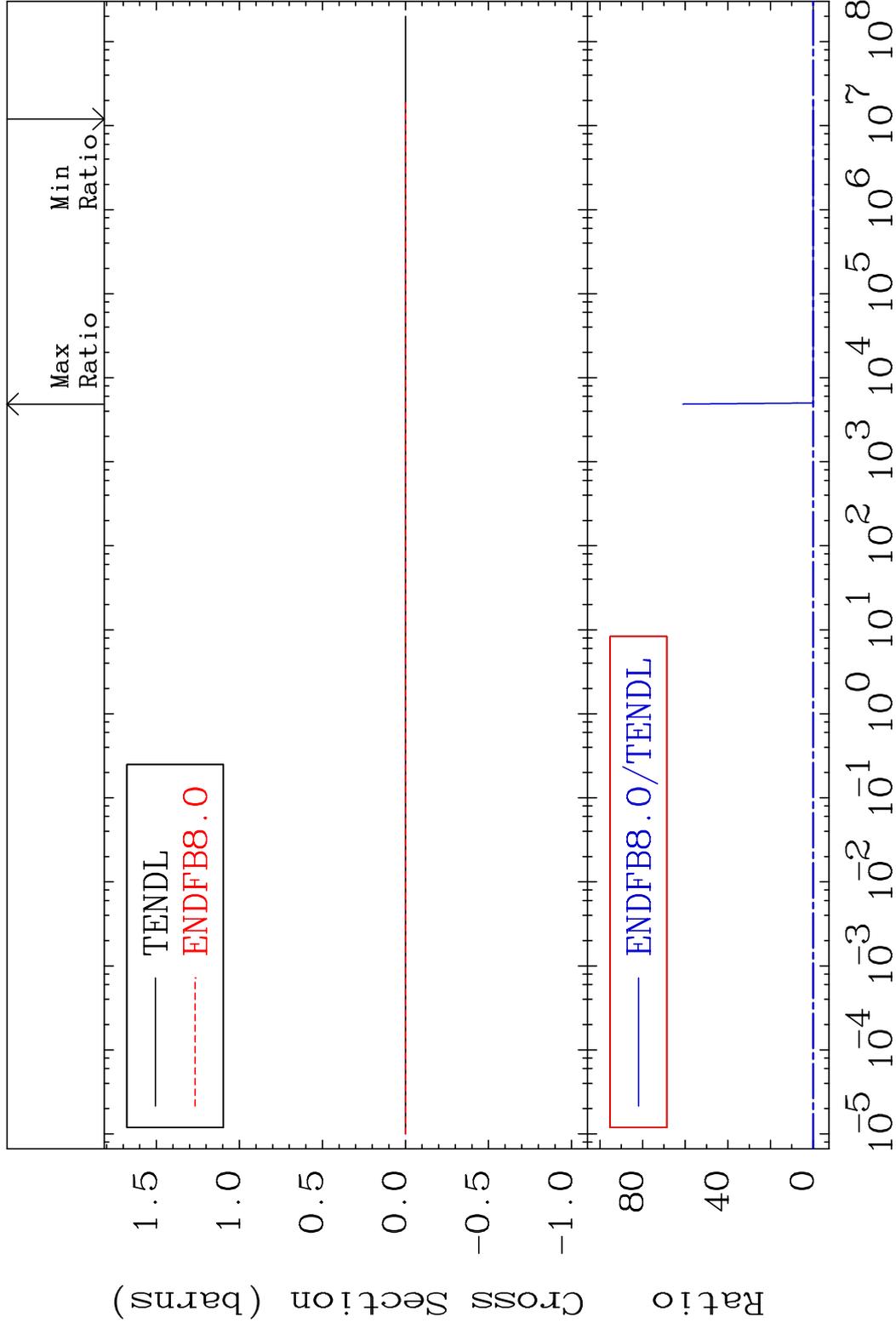
MAT 6246 Kerma non-elastic (all but mt2) 62-Sm-151
 Cross Section -165.7 To 9999. %



MAT 6246 Kerma inelastic (mt51-91) 62-Sm-151
 Cross Section -9999. To 9999. %



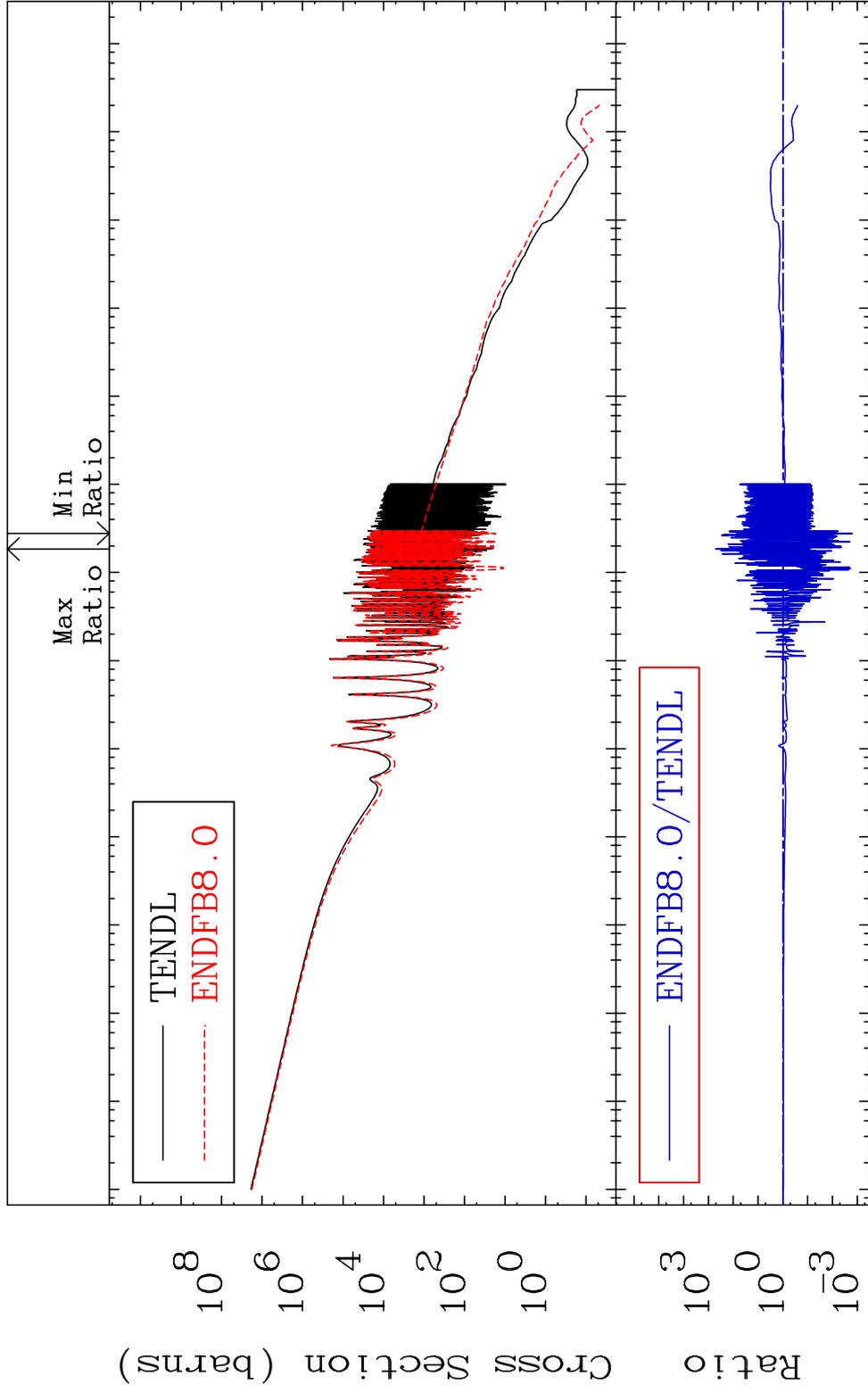
MAT 6246 Kerma fission (mt18 or mt19-20-21-38) ^{62}Sm -151
 Cross Section -9999. To 9999. %



MAT 6246

Kerma capture (mt102) 62-Sm-151

Cross Section -99.84 To 9999. %

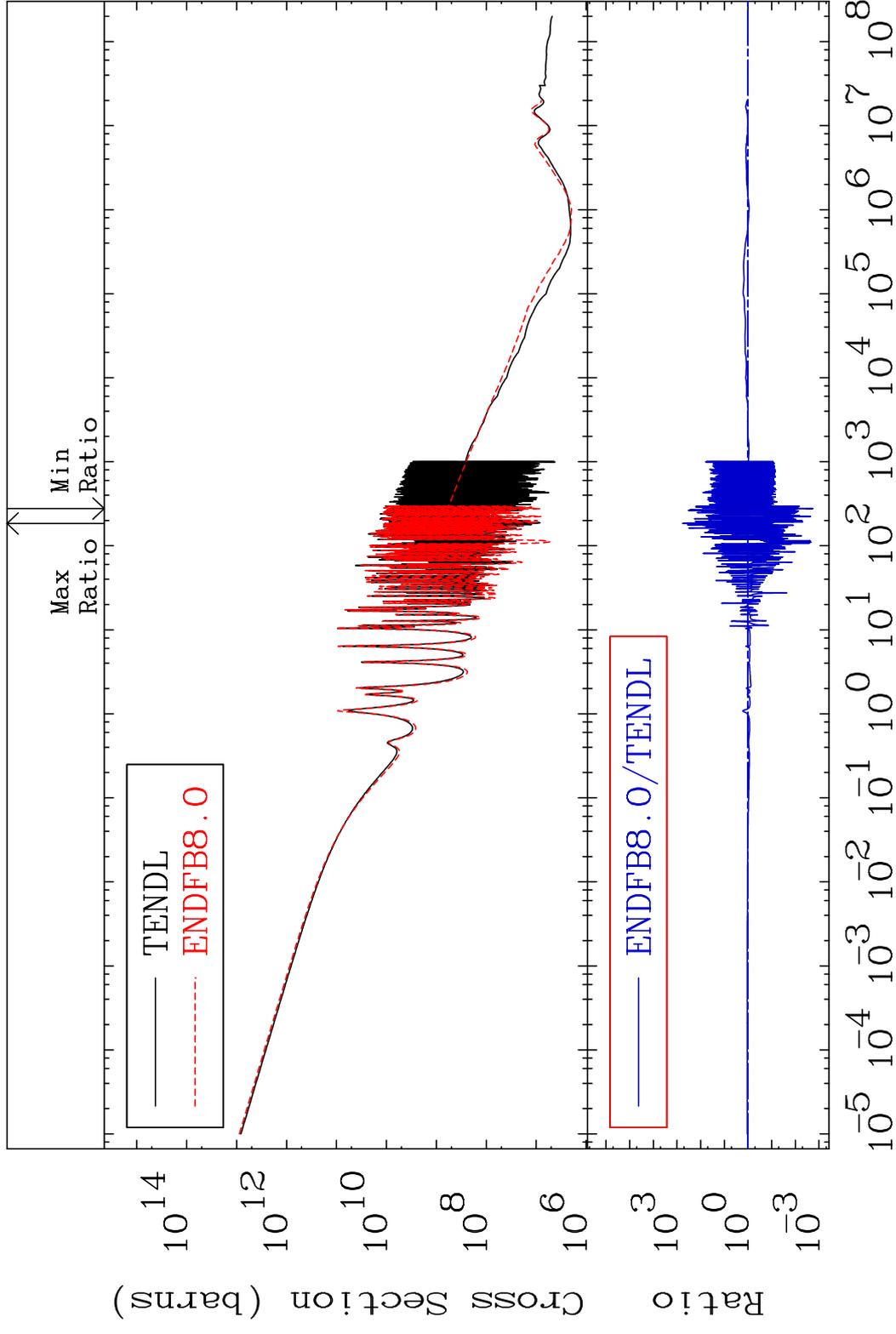


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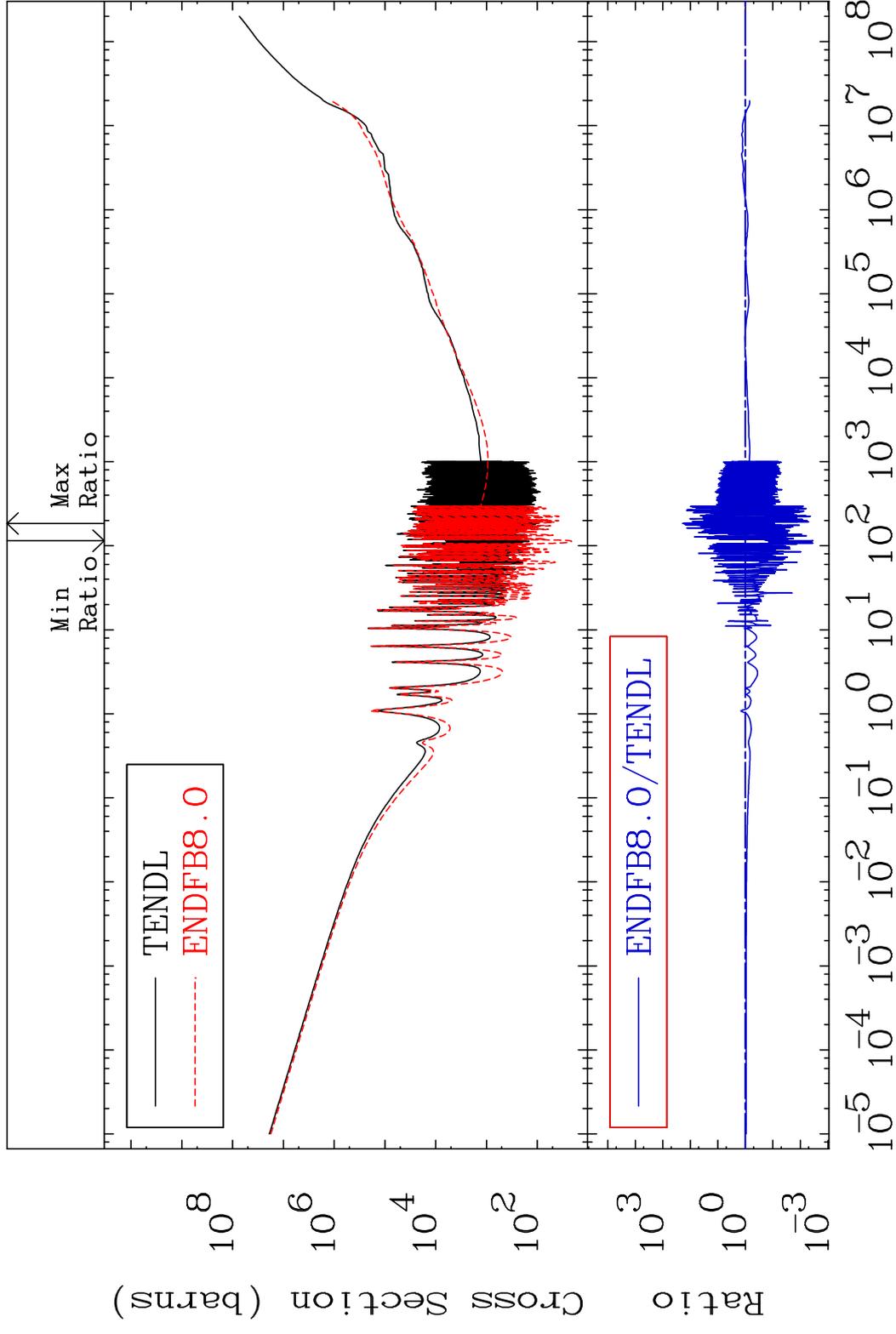
Incident Energy (eV)

62-Sm-151

MAT 6246 Total photon (eV-barns) 62-Sm-151
 Cross Section -99.82 To 9999. %



MAT 6246 Total kinematic kerma (high limit) 62-Sm-151
 Cross Section -99.66 To 9999. %

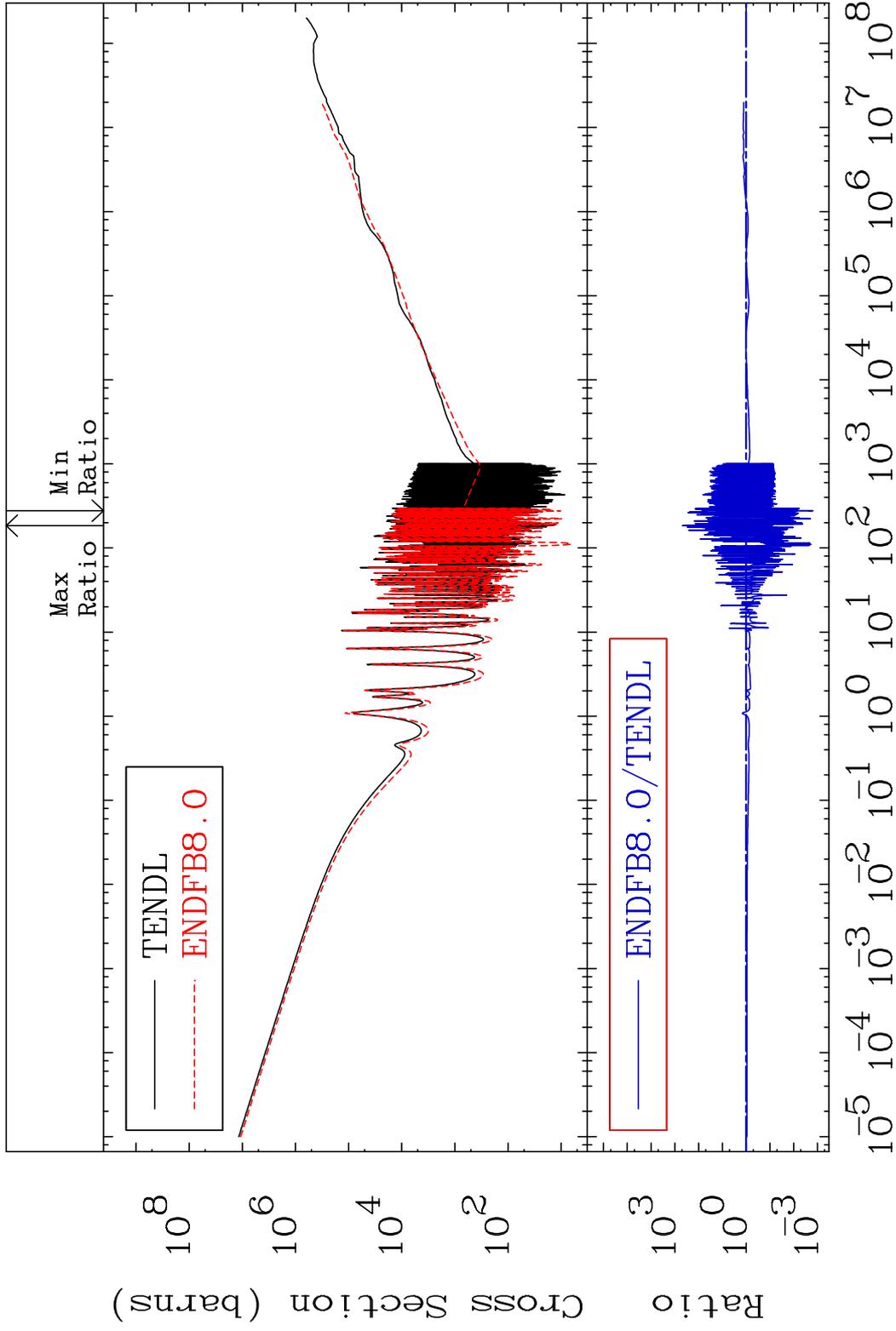


MAT 6246

Dpa total (eV-barns)

62-Sm-151

Cross Section -99.85 To 9999. %



40

Incident Energy (eV)

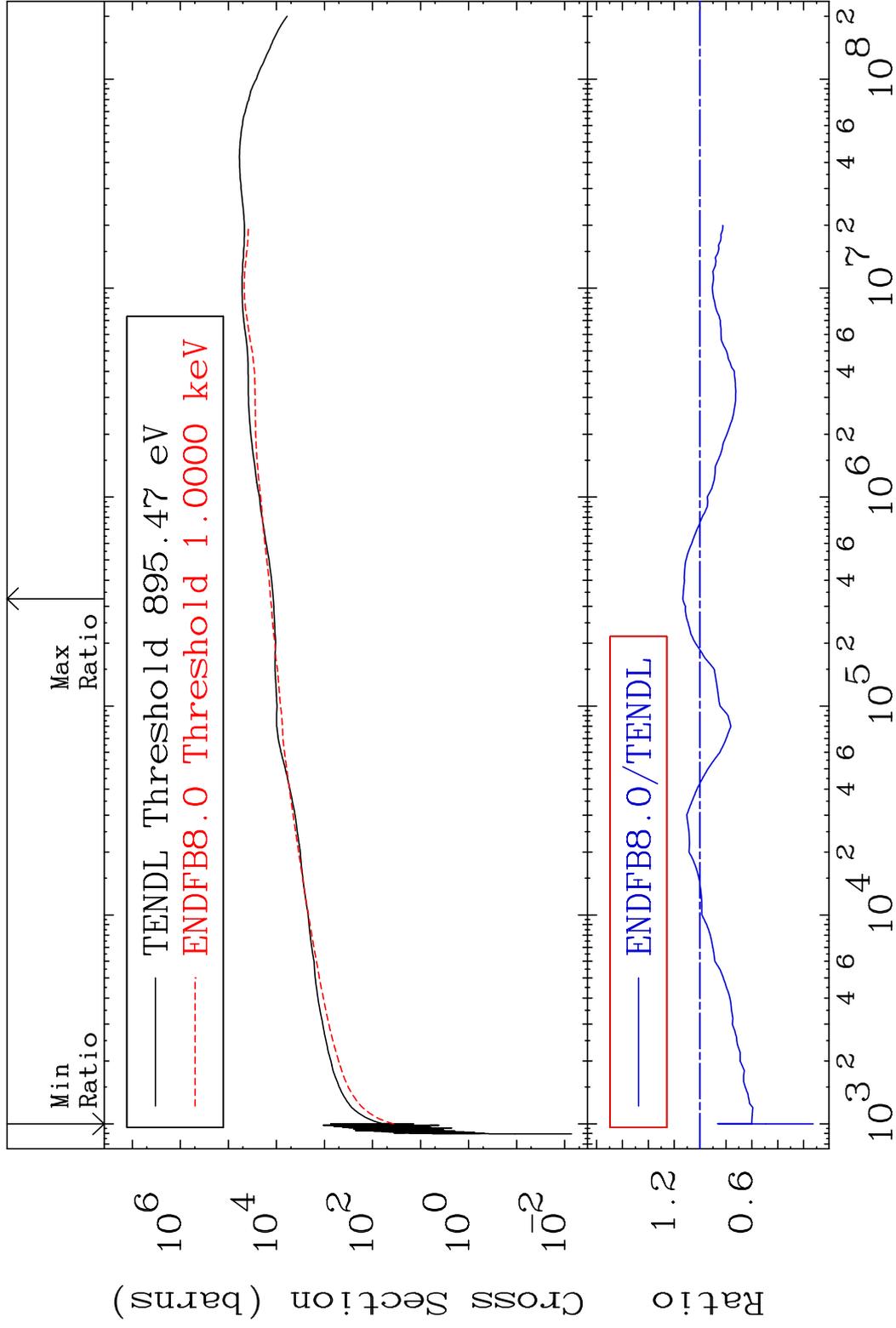
62-Sm-151

MAT 6246

Dpa elastic (mt2)

62-Sm-151

Cross Section -87.40 To 13.34 %

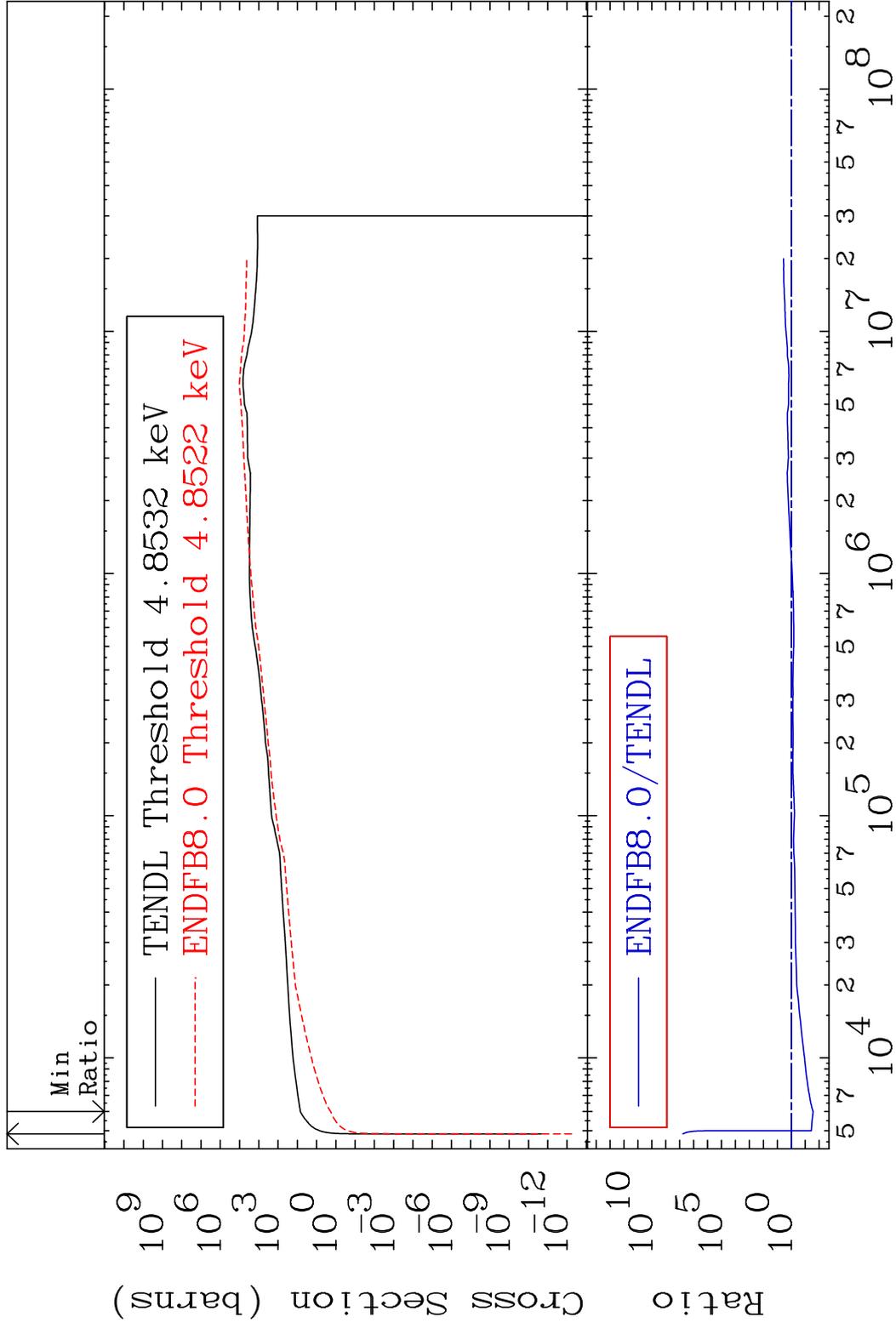


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Incident Energy (eV)

62-Sm-151

MAT 6246 Dpa inelastic (mt51-91) 62-Sm-151
 Cross Section -97.33 To 9999. %



MAT 6246 Dpa disappearance (mt102 -120) 62-Sm-151
 Cross Section -99.85 To 9999. %

