

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

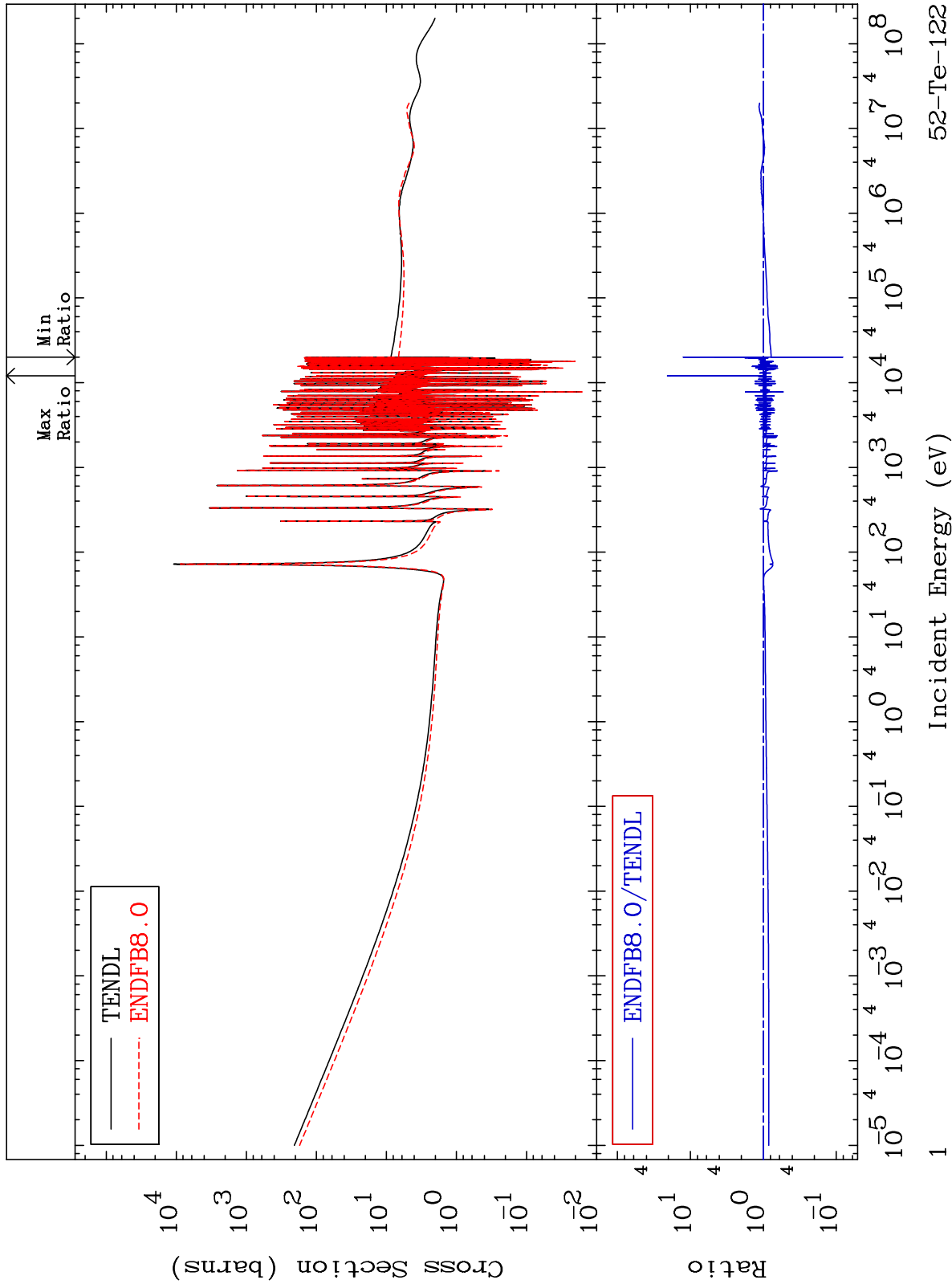
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5231

Total
Cross Section

52-Te-122
-91.82 To 1953. %

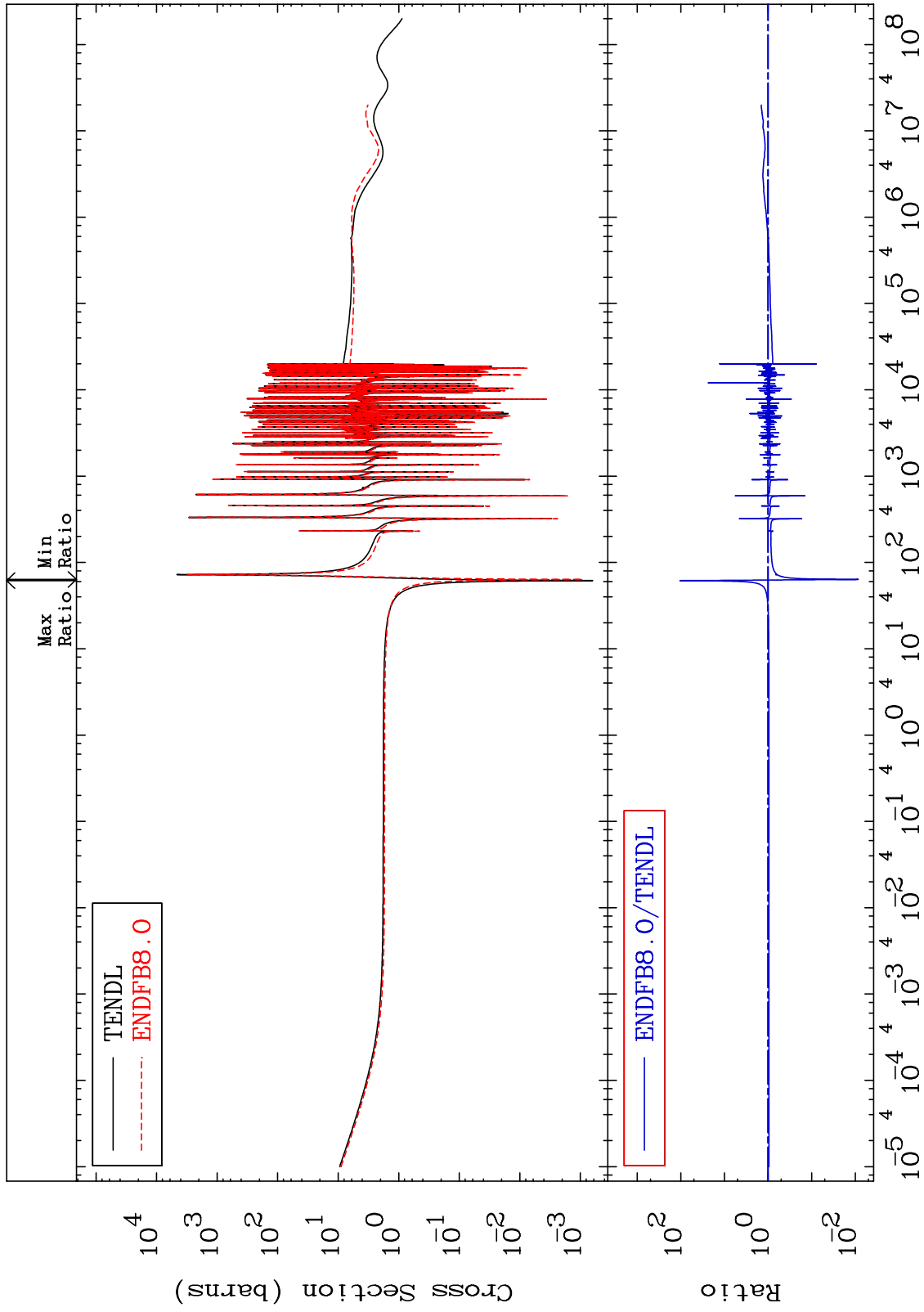


52-Te-122

MAT 5231

Elastic
Cross Section

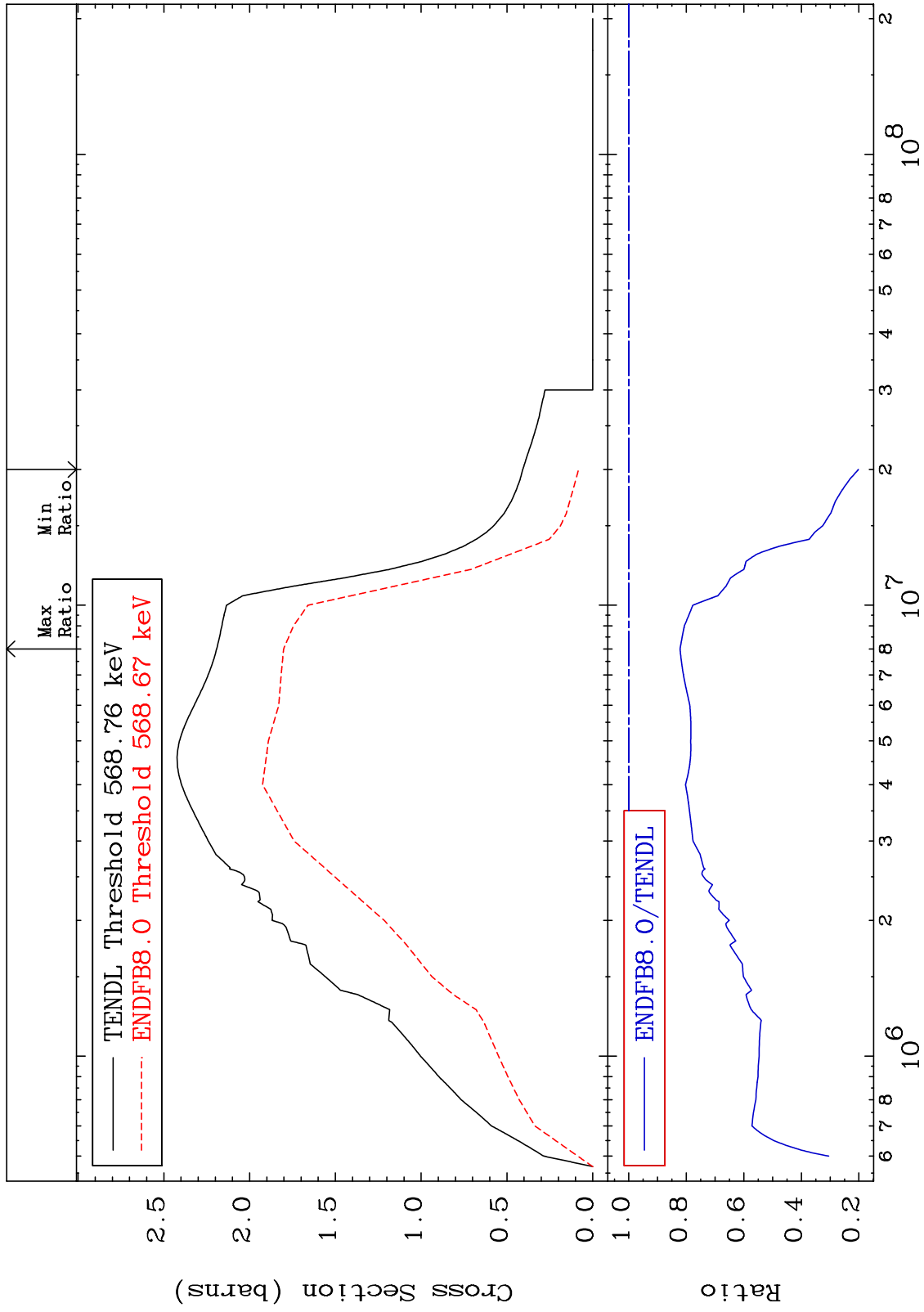
52-Te-122
-99.15 To 9999. %



MAT 5231

Inelastic Cross Section

52-Te-122
-79.83 To -17.81%



3

Incident Energy (eV)

52-Te-122

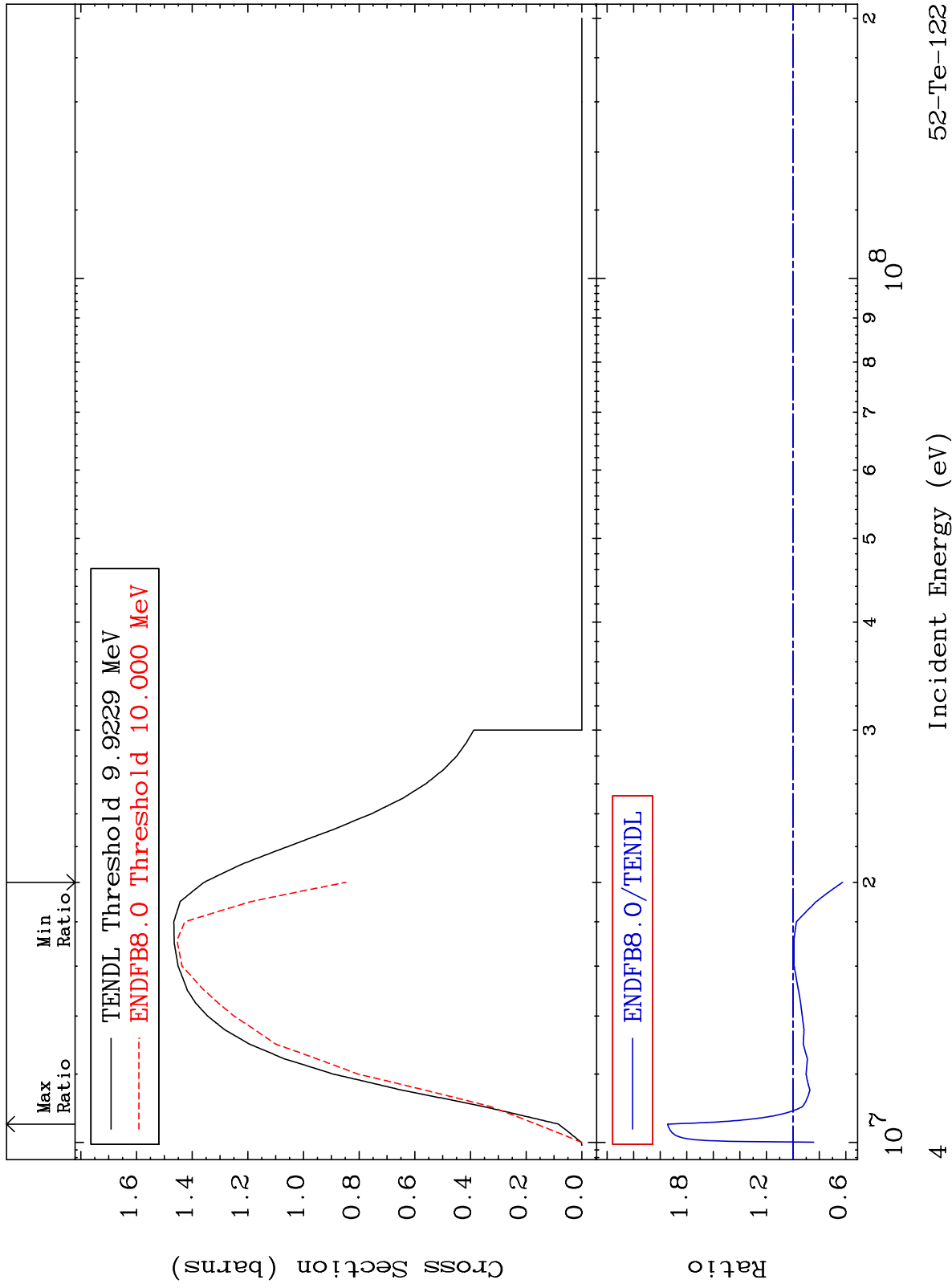
MAT 5231

(n,2n)

52-Te-122

Cross Section

-37.55 To 94.47 %



Incident Energy (eV)

52-Te-122

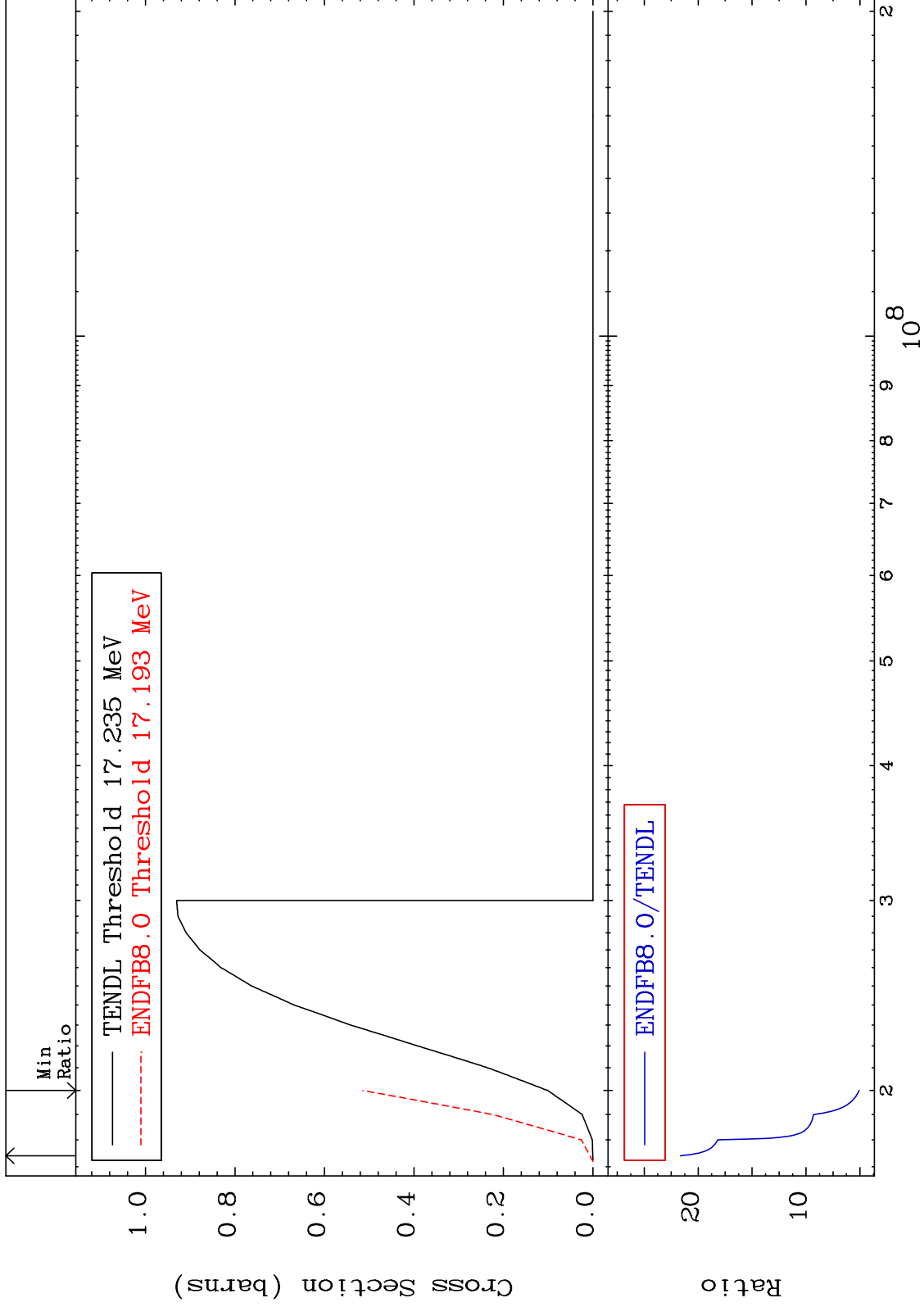
MAT 5231

(n,3n)

52-Te-122

Cross Section

407.8 To 2065. %



5

Incident Energy (eV)

52-Te-122

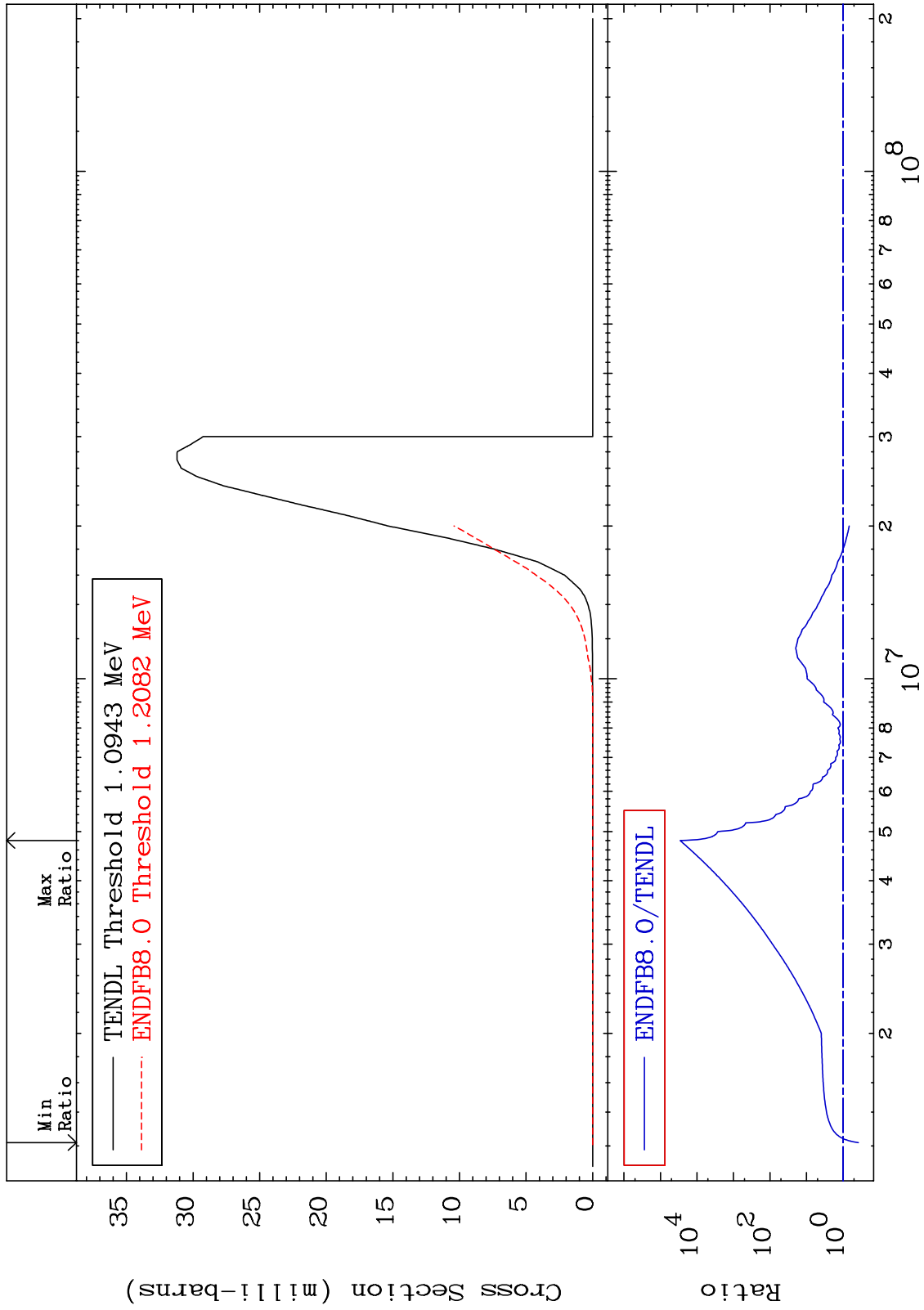
MAT 5231

(n, n') α

52-Te-122

Cross Section

-62.18 To 9999. %



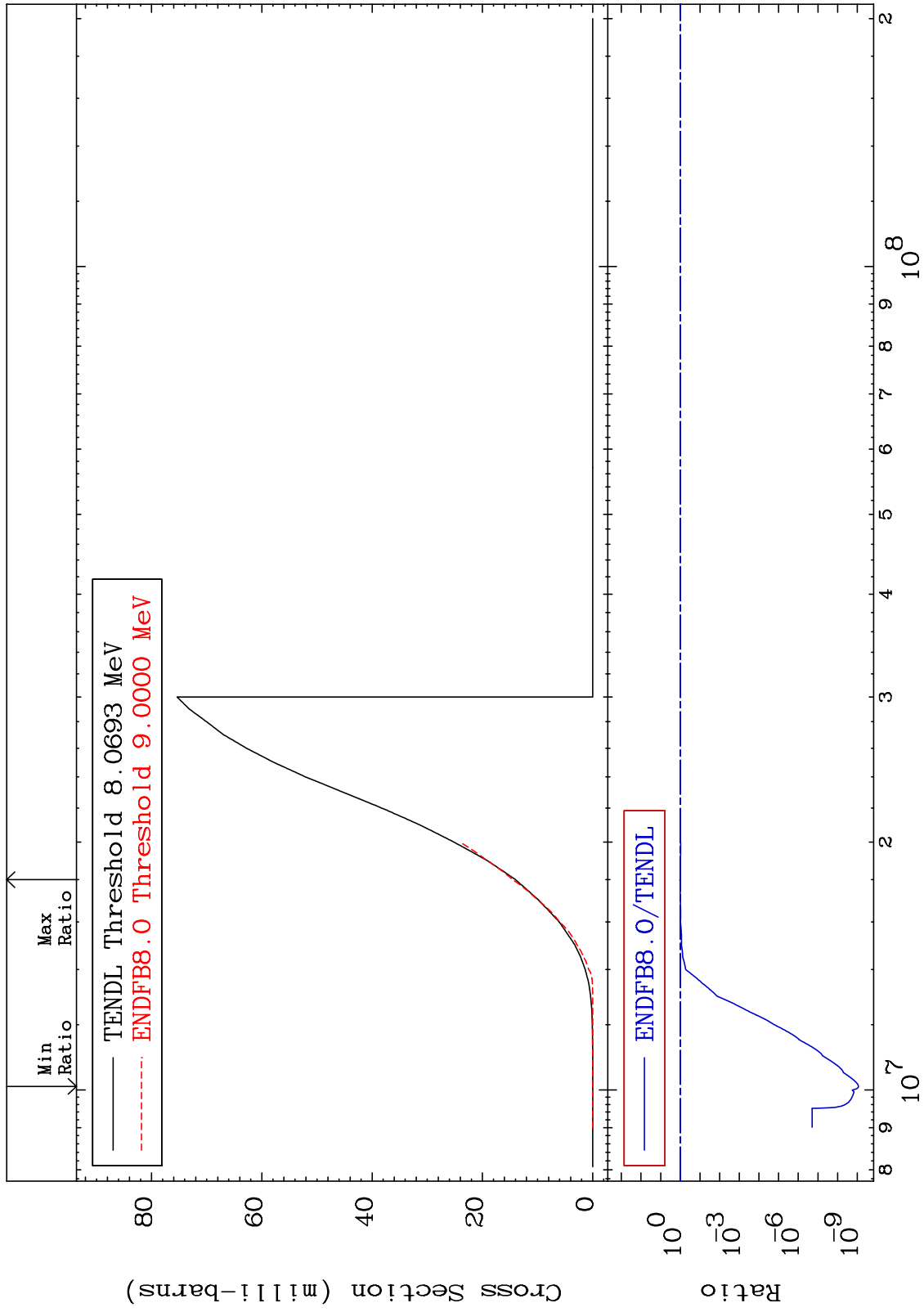
MAT 5231

(n,n') p

52-Te-122

Cross Section

-100.0 To 3.645 %



Incident Energy (eV)

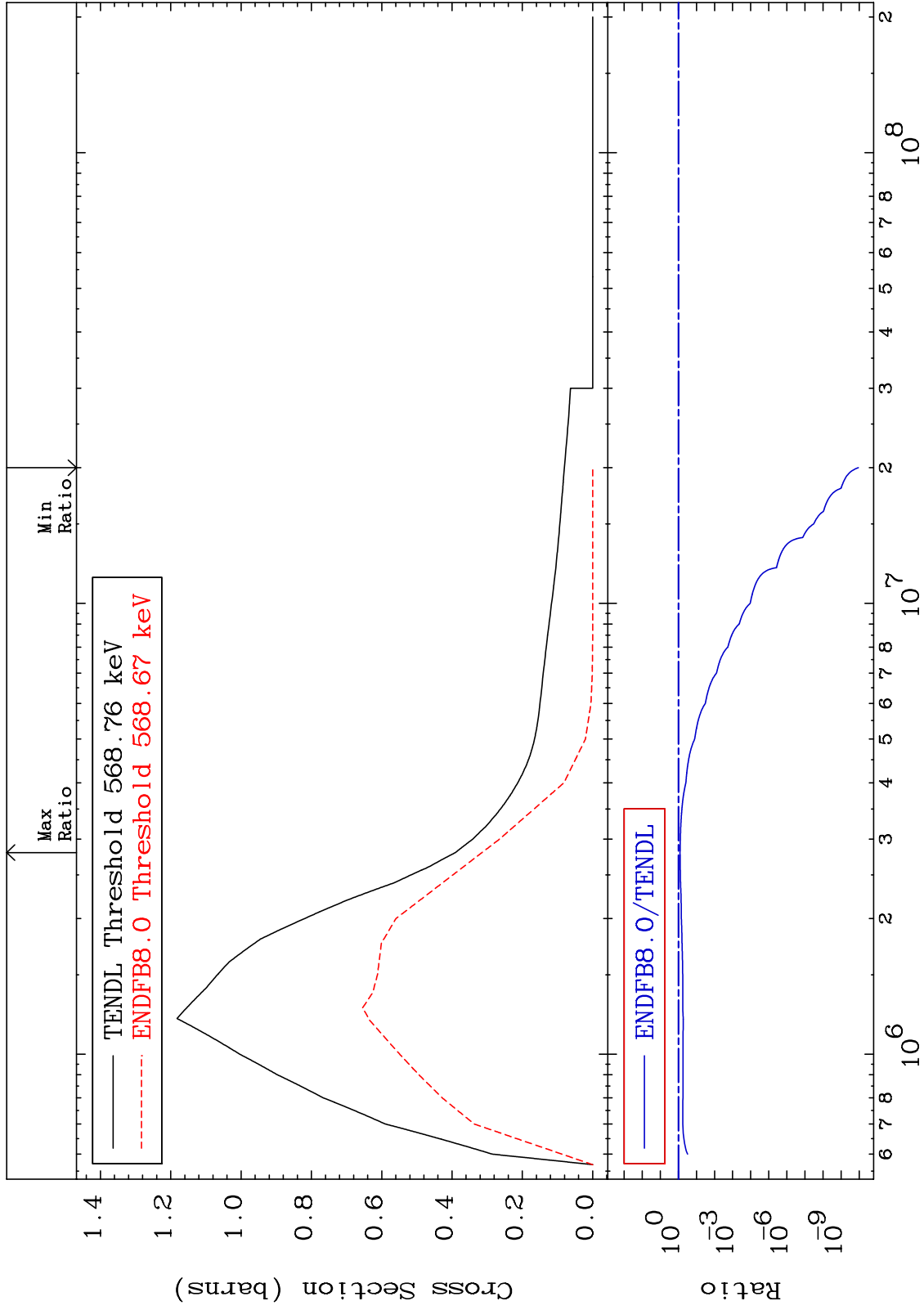
52-Te-122

7

MAT 5231

MT= 51 (n,n') Level
Cross Section

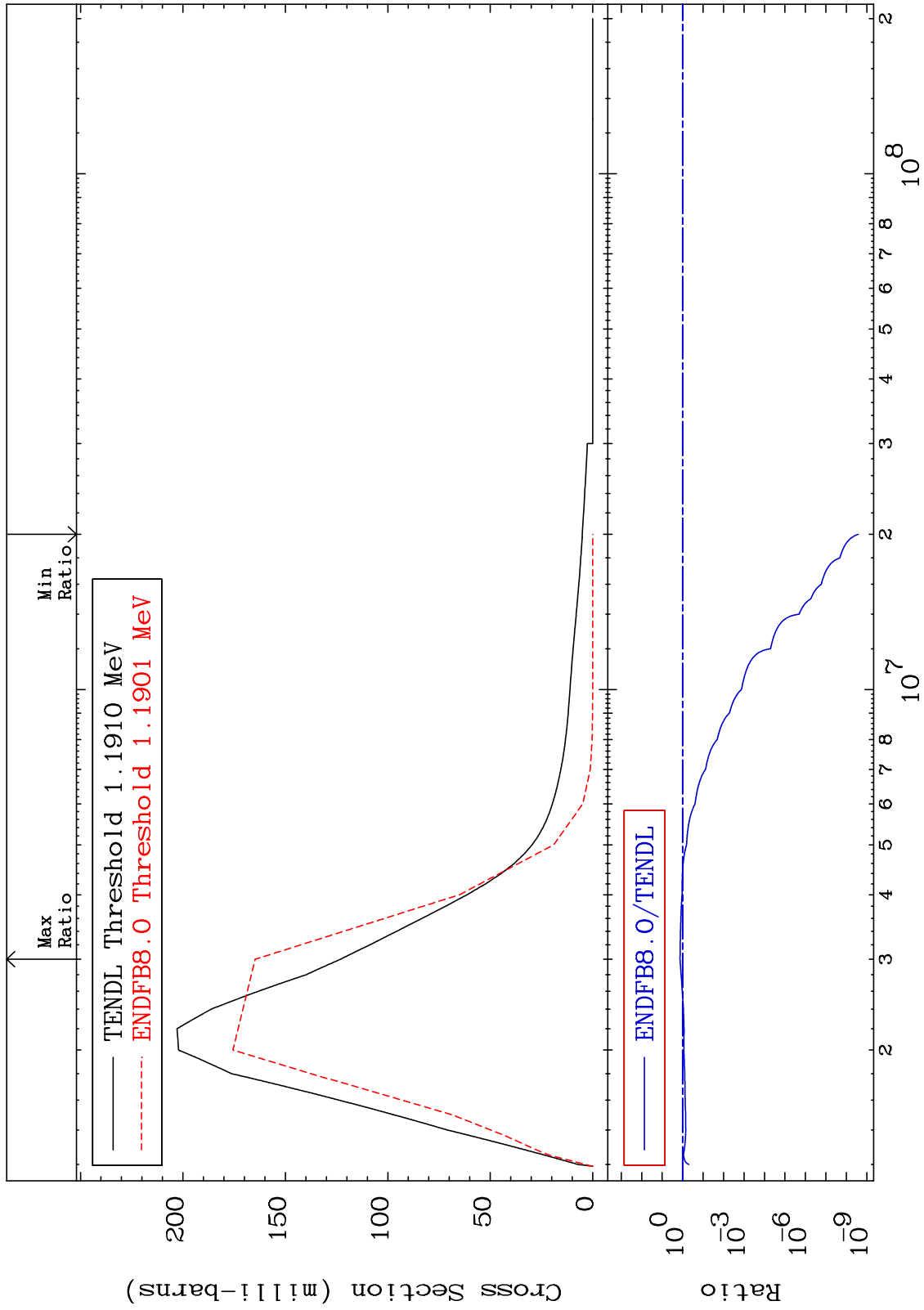
52-Te-122
-100.0 To -19.35%



MAT 5231

MT= 52 (n, n') Level
Cross Section

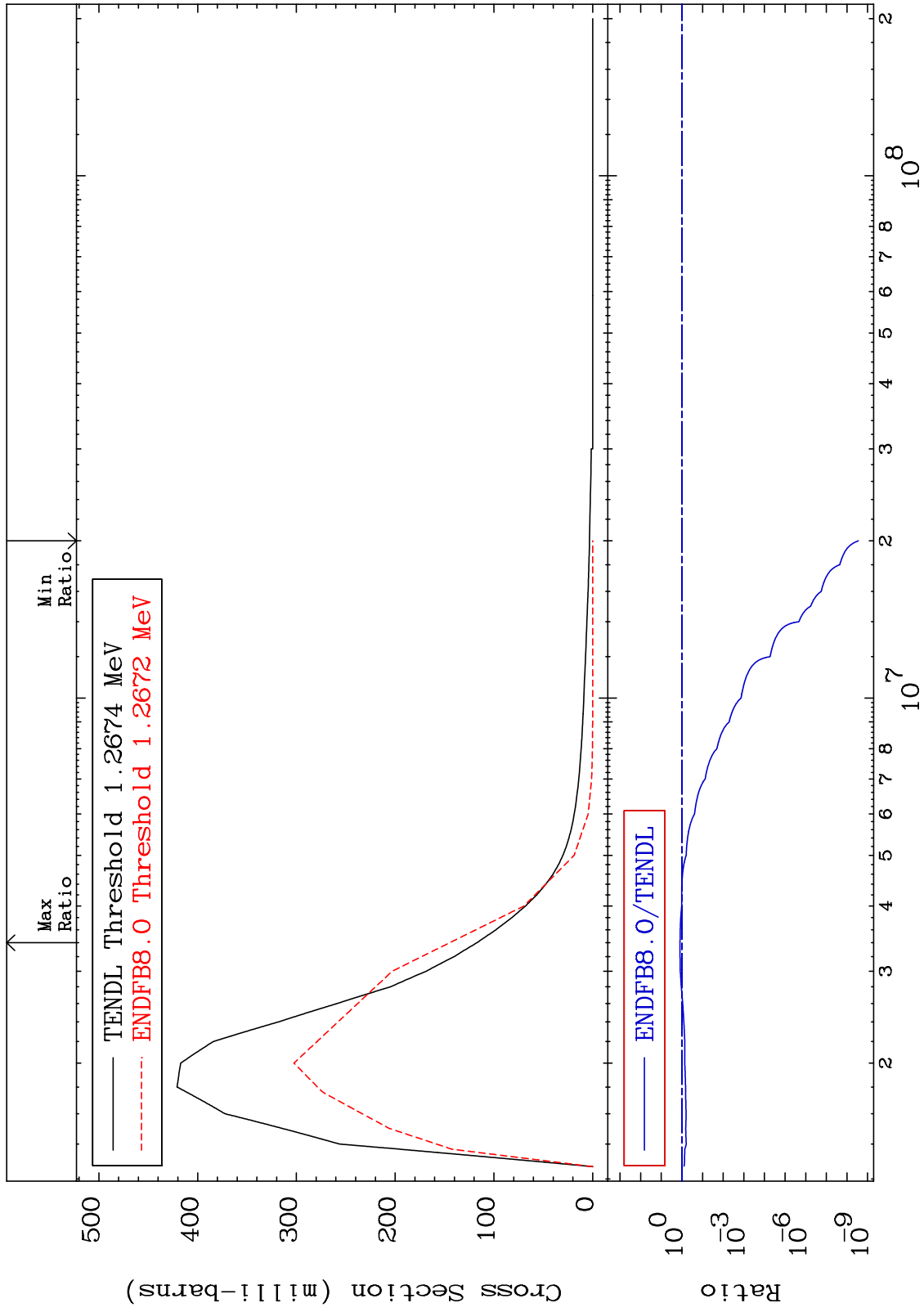
52-Te-122
-100.0 To 33.82 %



MAT 5231

MT= 53 (n, n') Level
Cross Section

52-Te-122
-100.0 To 23.57 %



10

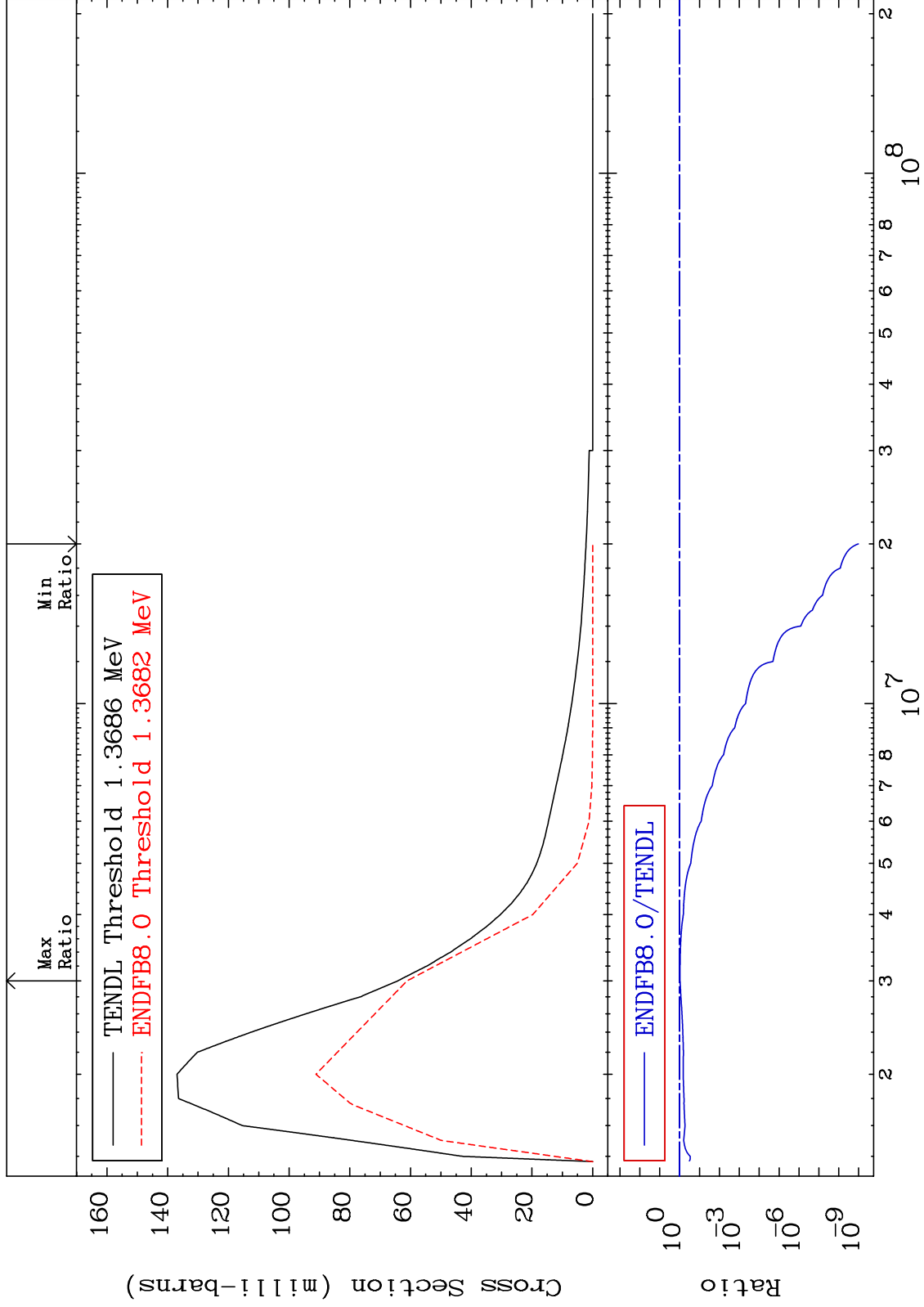
Incident Energy (eV)

52-Te-122

MAT 5231

MT= 54 (n, n') Level
Cross Section

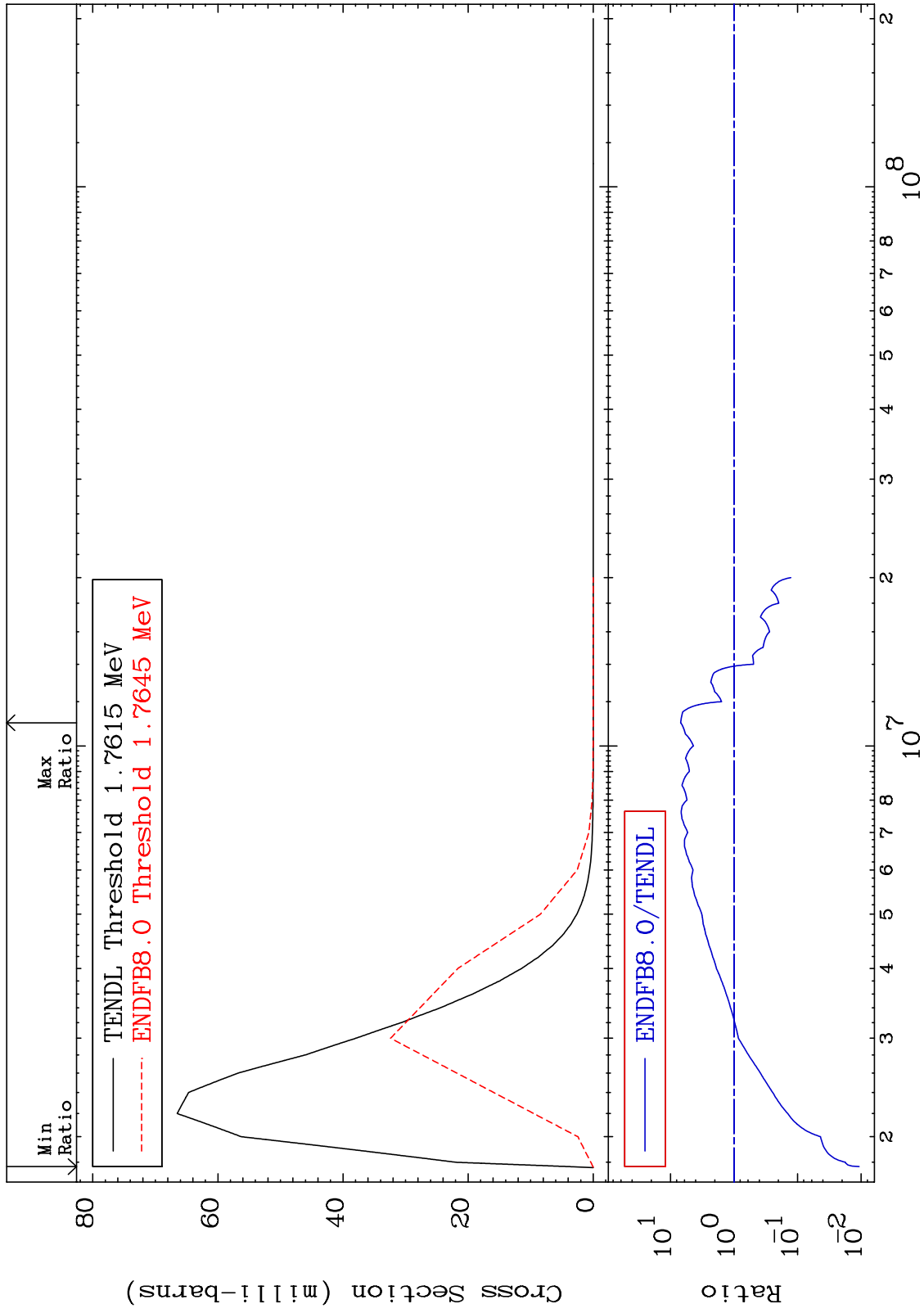
52-Te-122
-100.0 To -4.736%



MAT 5231

MT= 55 (n,n') Level
Cross Section

52-Te-122
-98.92 To 591.1 %



12

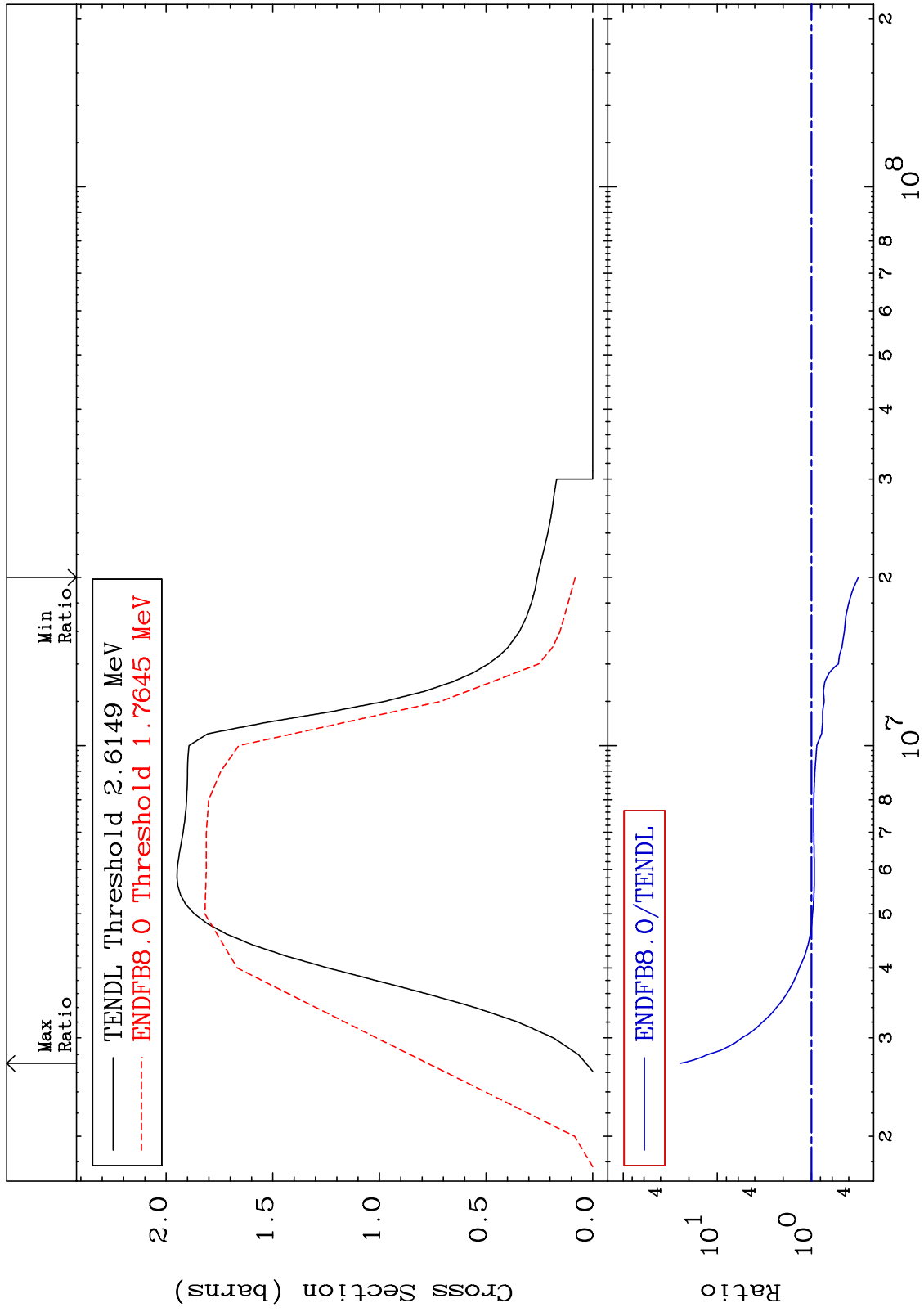
Incident Energy (eV)

52-Te-122

MAT 5231

(n, n') Continuum
Cross Section

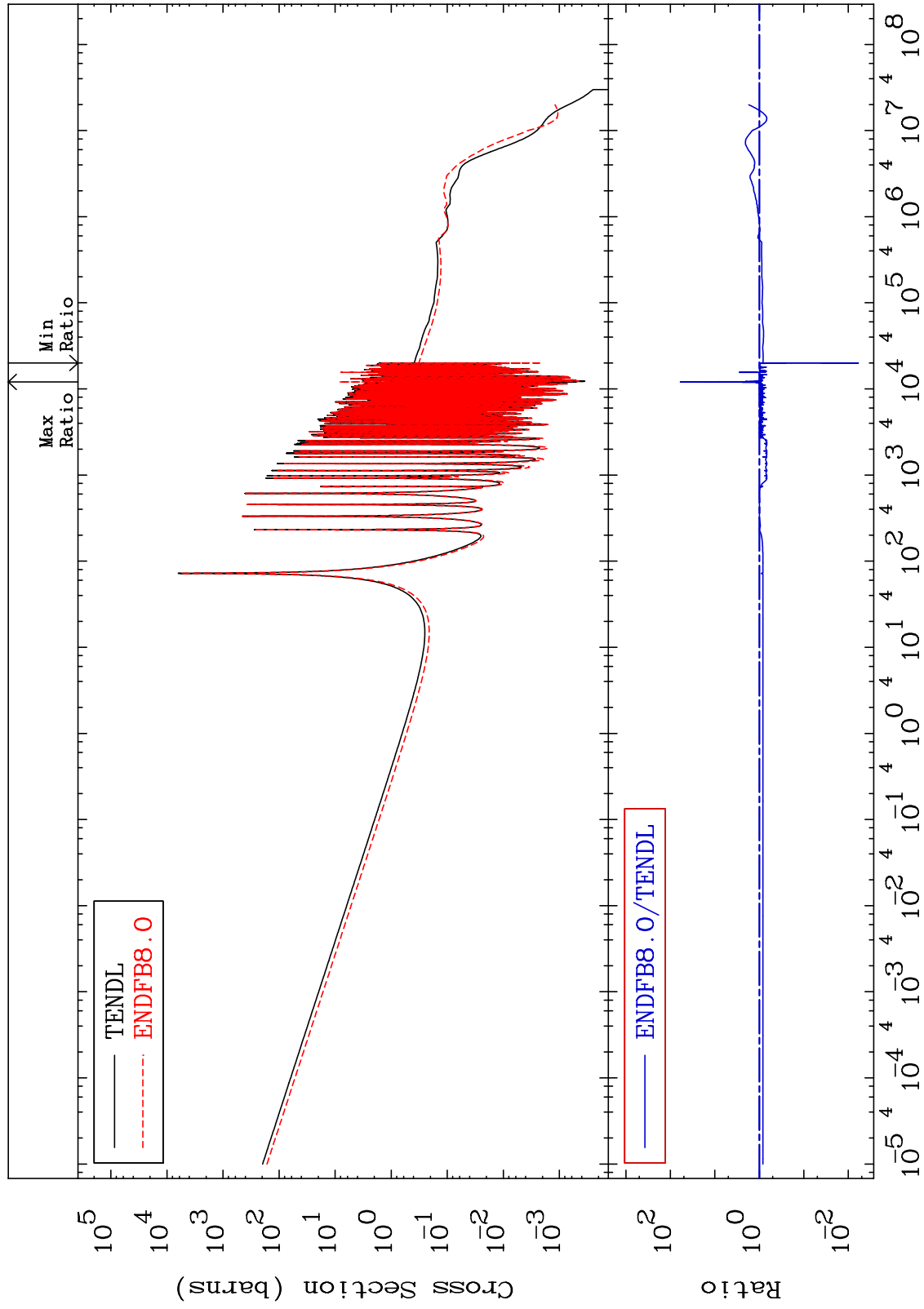
52-Te-122
-68.37 To 2388. %



MAT 5231

(n, γ)
Cross Section

52-Te-122
-99.41 To 5845. %



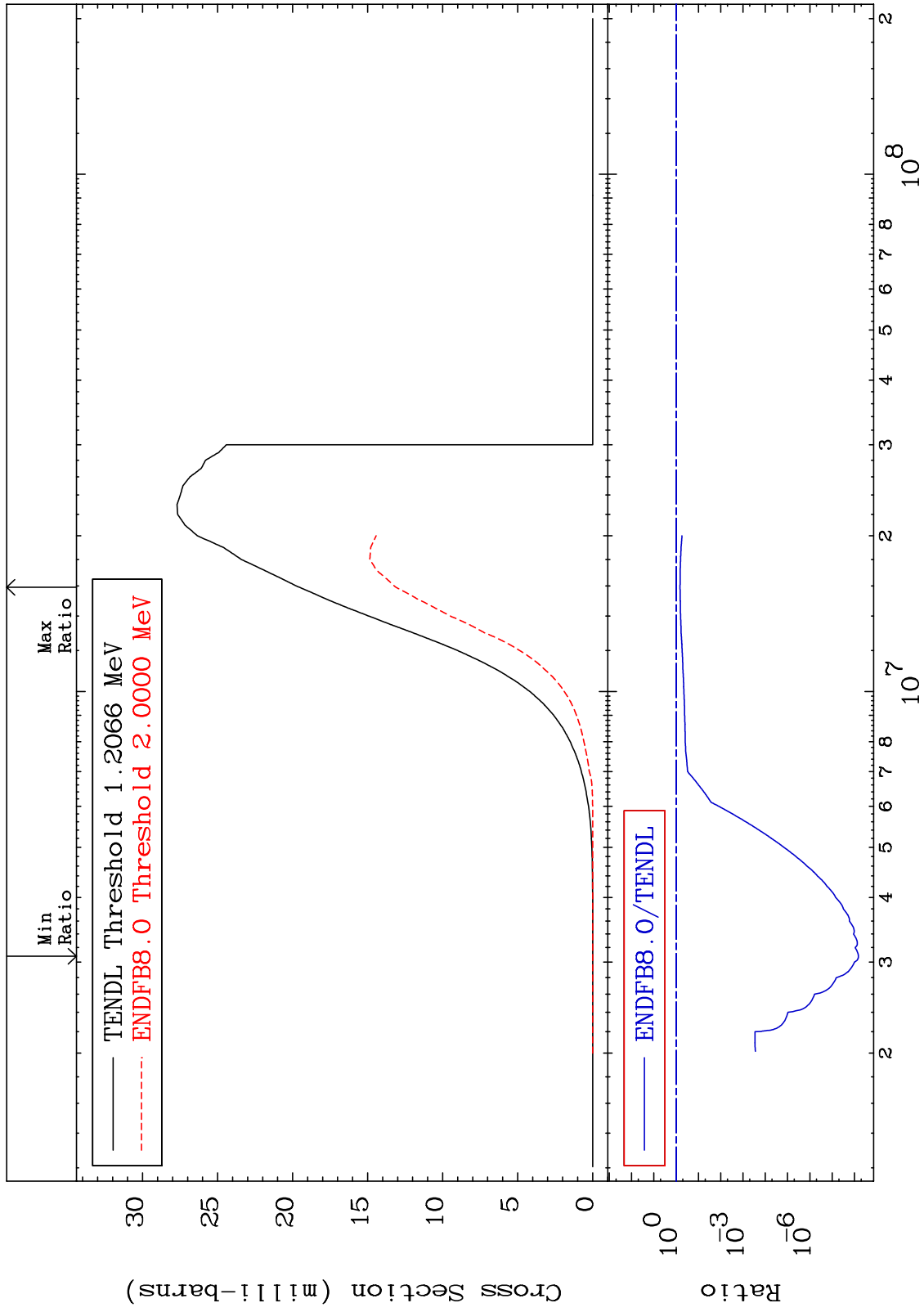
MAT 5231

⁵²-Te-122

(n, p)

Cross Section

-100.0 To -32.89%



15

Incident Energy (eV)

⁵²-Te-122

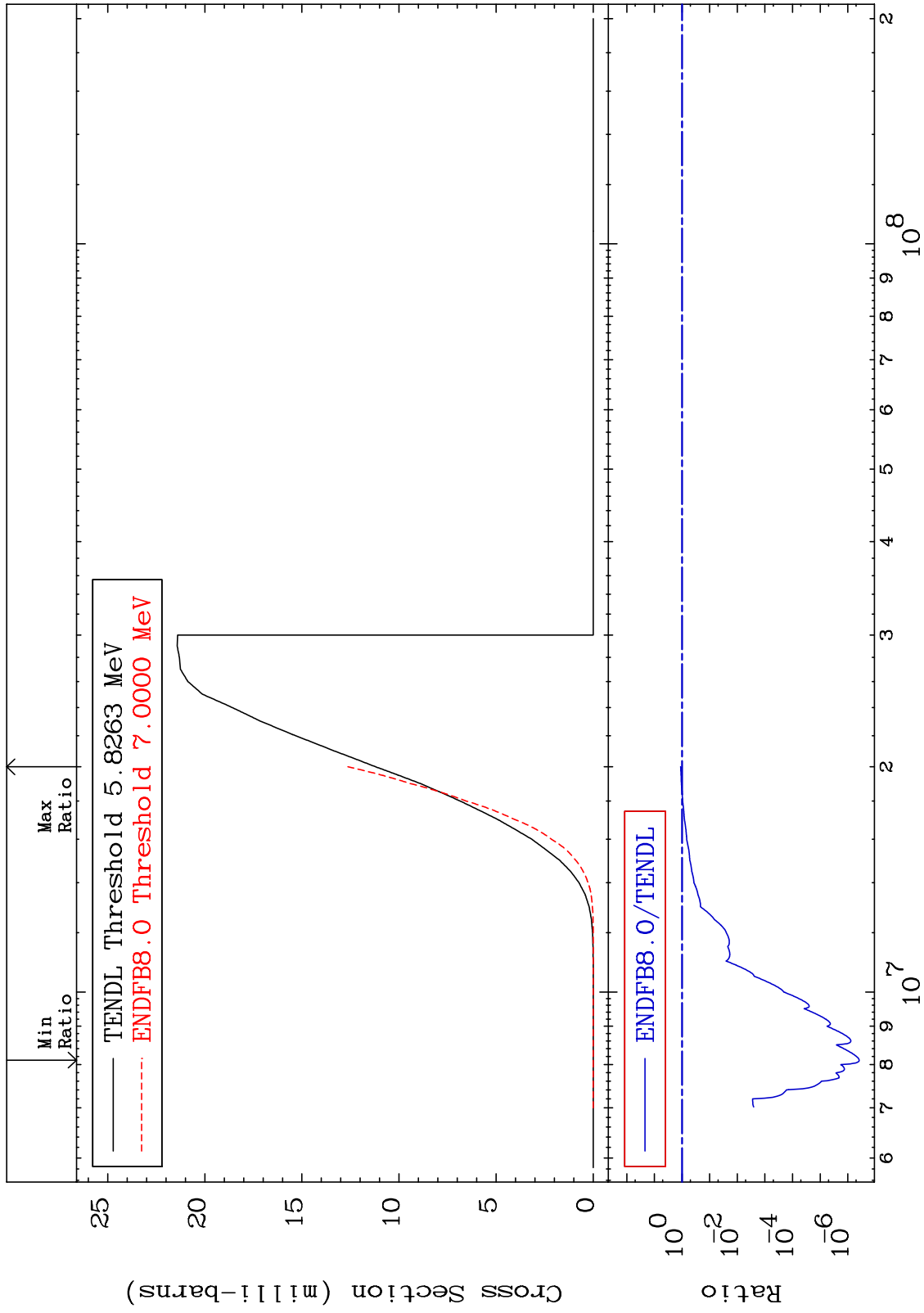
MAT 5231

(n, d)

52-Te-122

Cross Section

-100.0 To 12.67 %



16

Incident Energy (eV)

52-Te-122

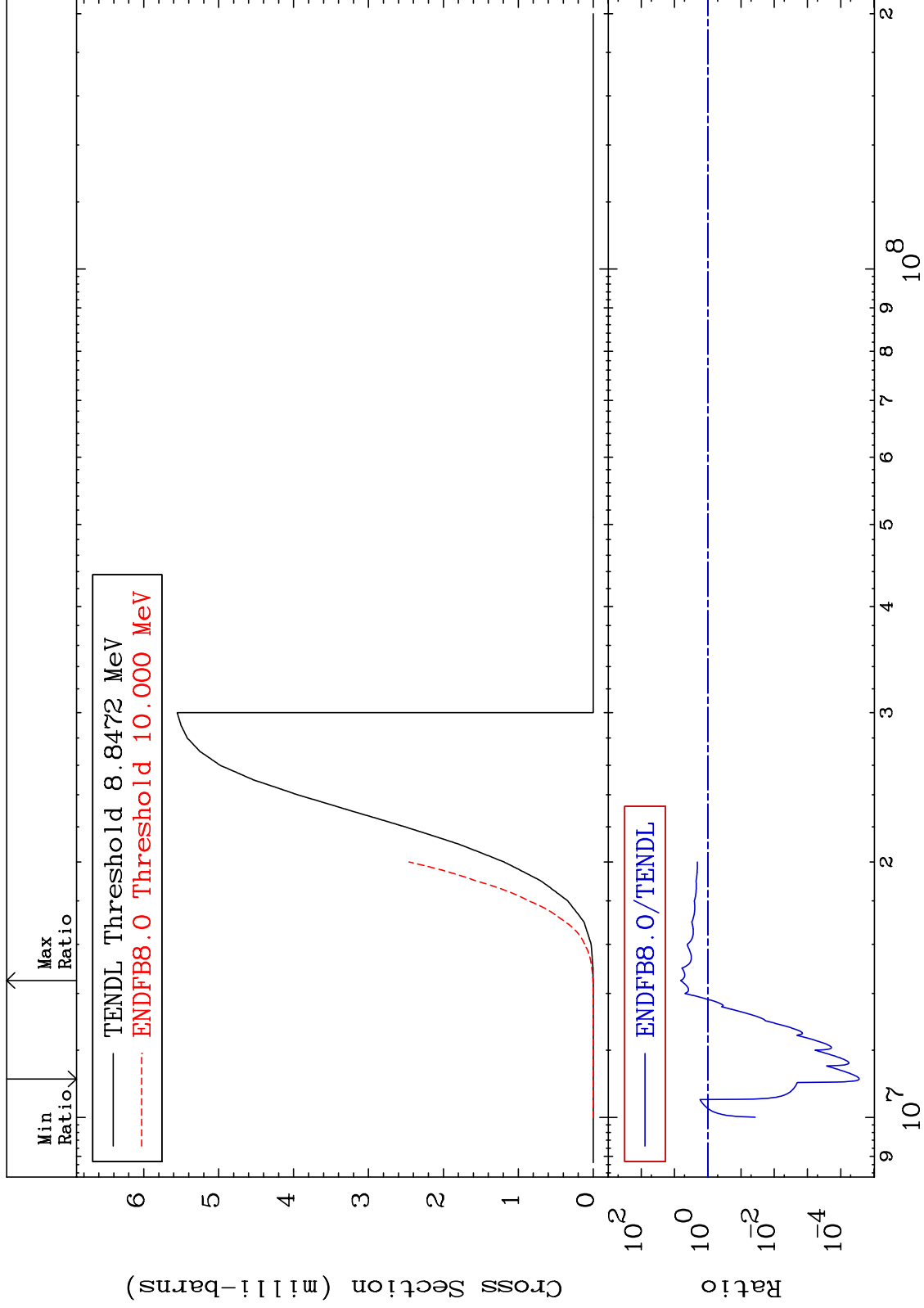
MAT 5231

(n, t)

52-Te-122

Cross Section

-100.0 To 554.4 %



17

Incident Energy (eV)

52-Te-122

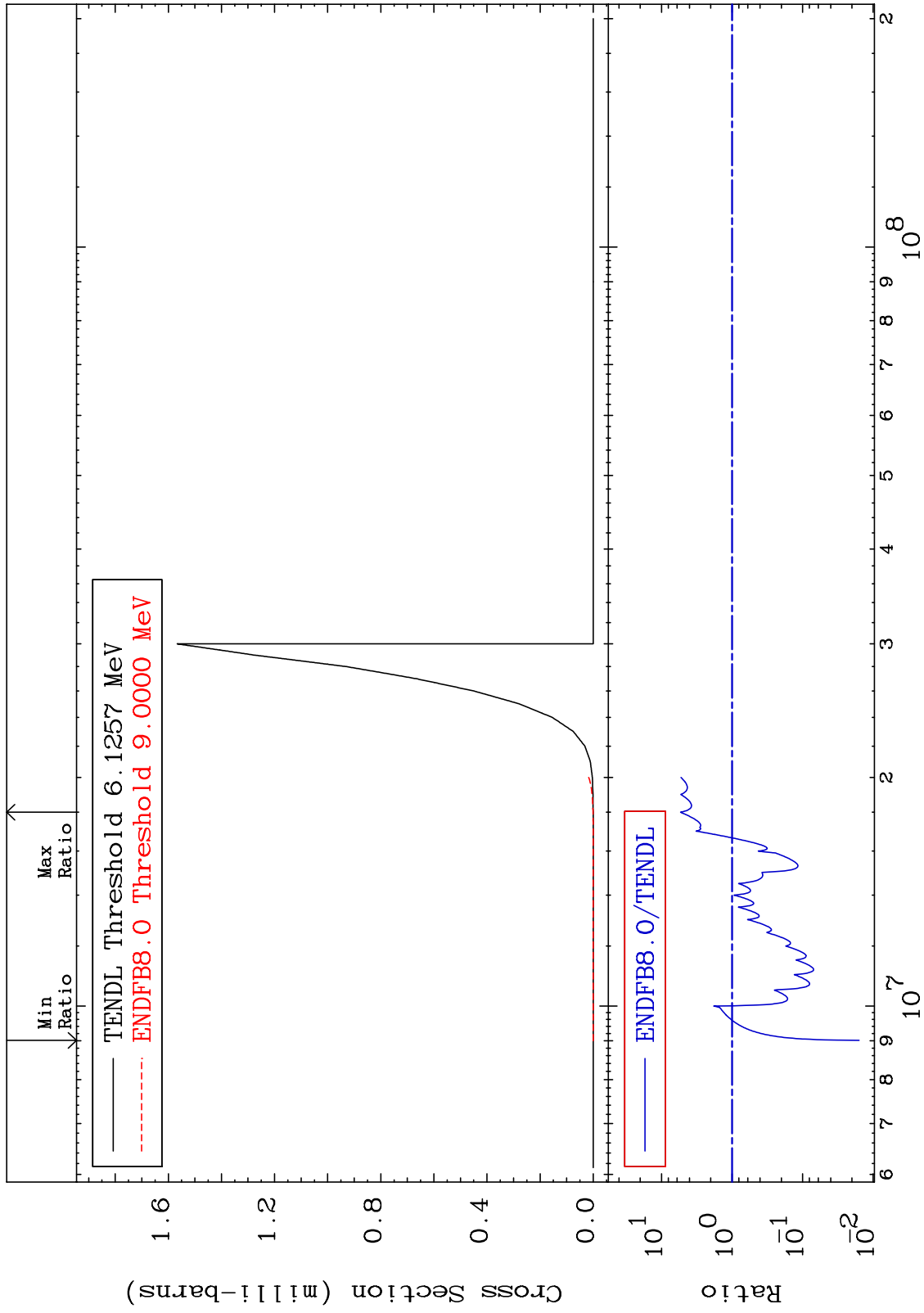
MAT 5231

(n, He-3)

52-Te-122

Cross Section

-98.42 To 435.2 %



18

Incident Energy (eV)

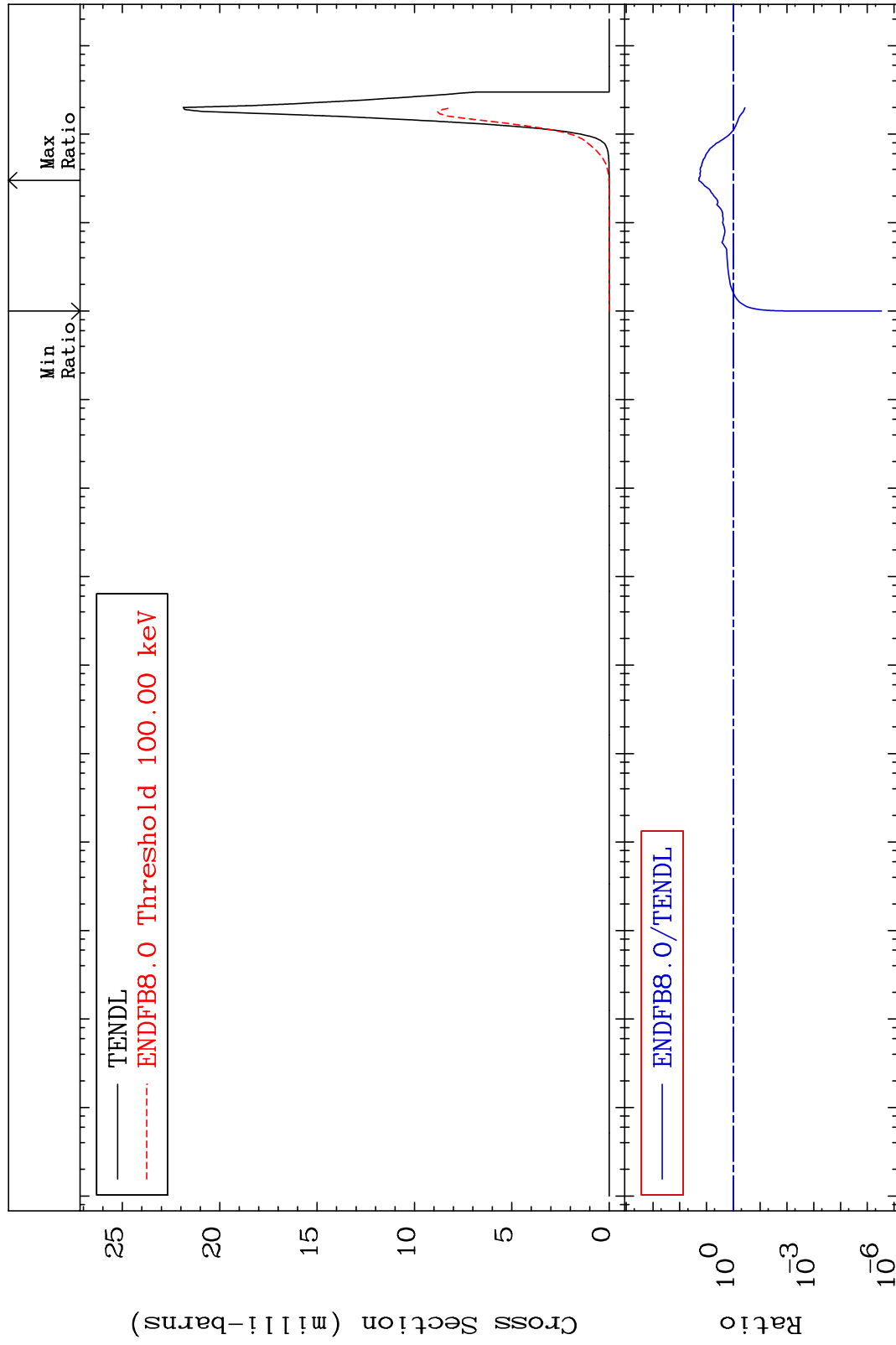
52-Te-122

MAT 5231

(n, α)
Cross Section

52-Te-122

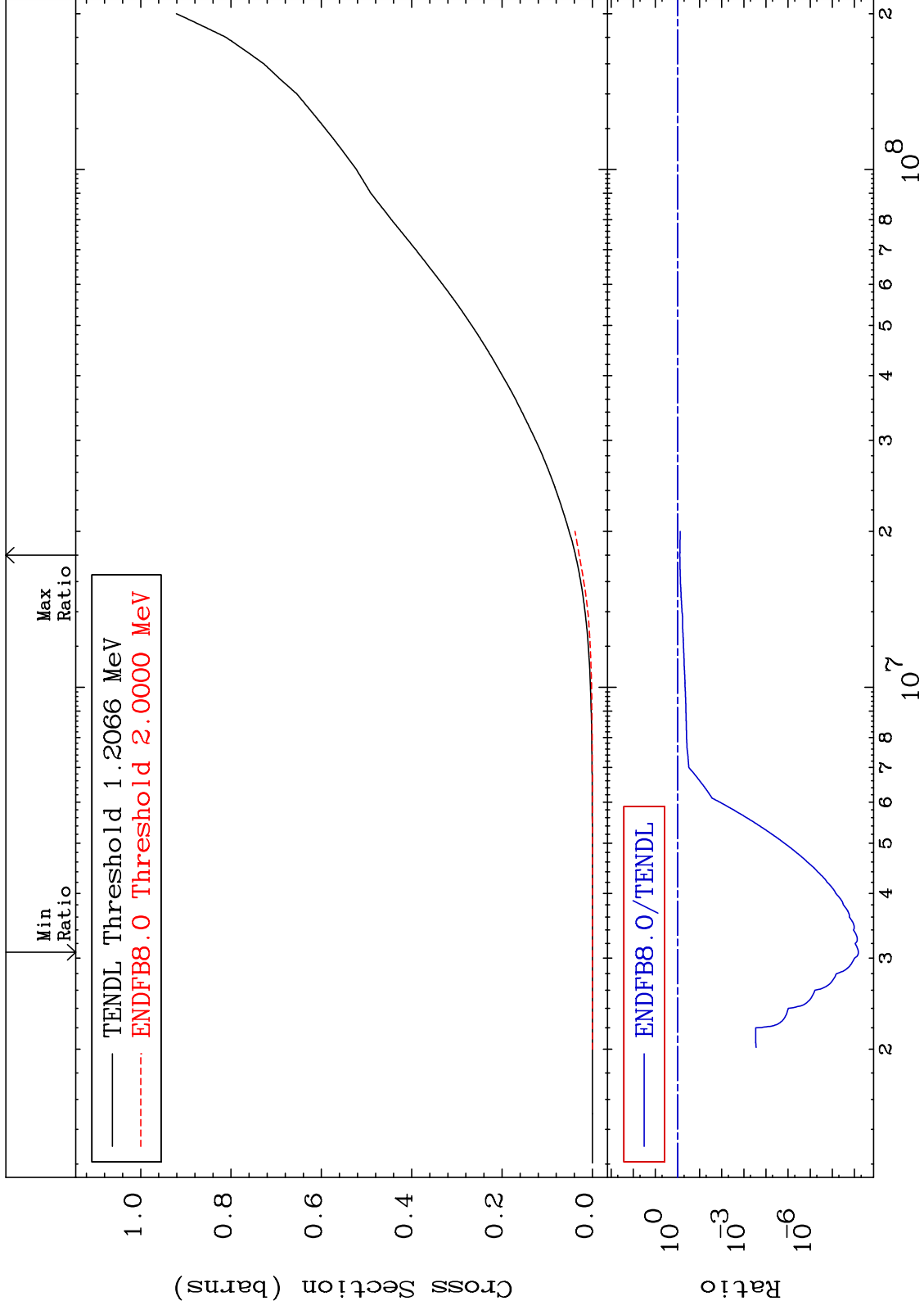
-100.0 To 1860. %



MAT 5231

Hydrogen Production
Cross Section

$^{52}\text{Te-122}$
-100.0 To -21.51%



20

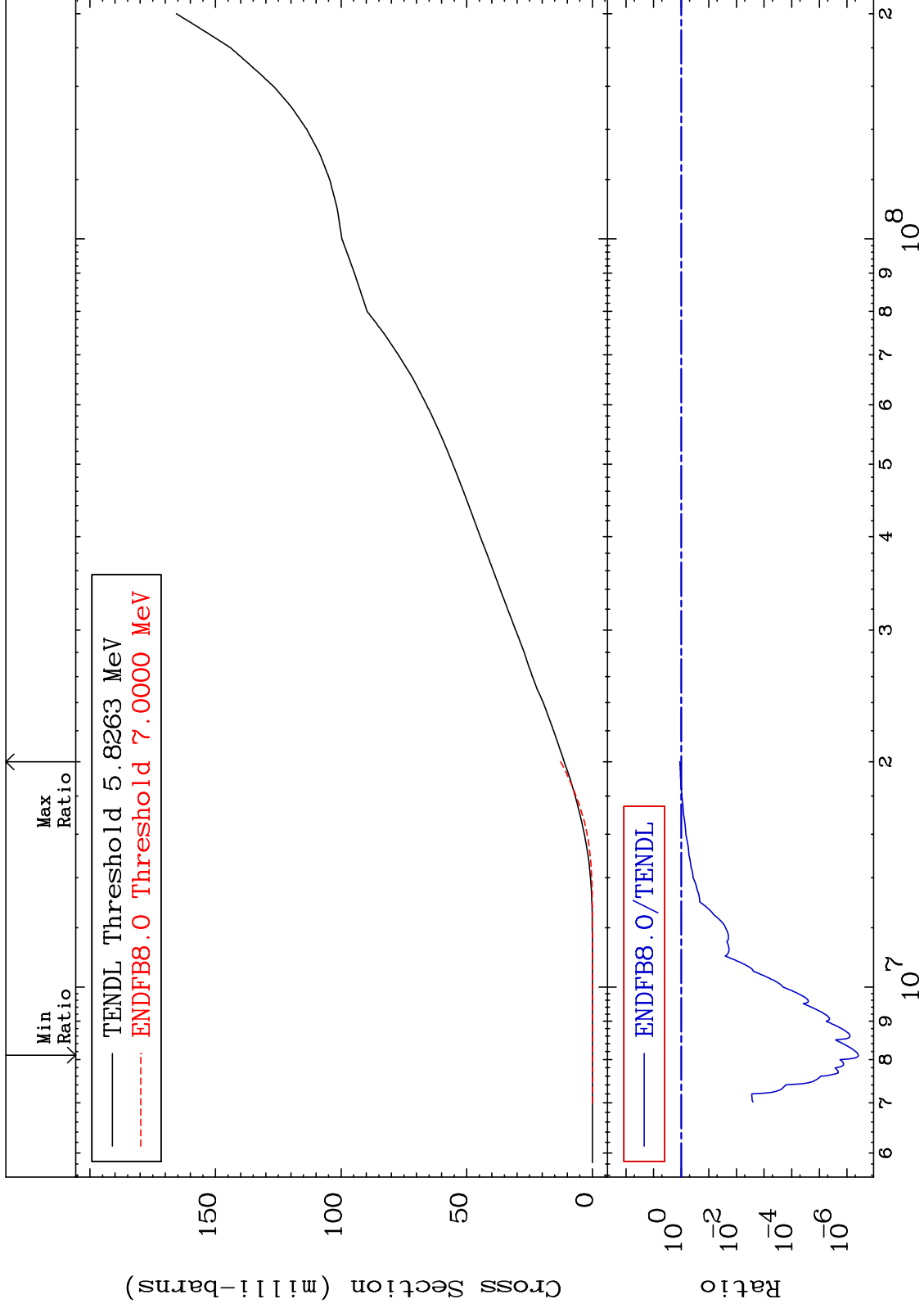
Incident Energy (eV)

$^{52}\text{Te-122}$

MAT 5231

Deuterium Production
Cross Section

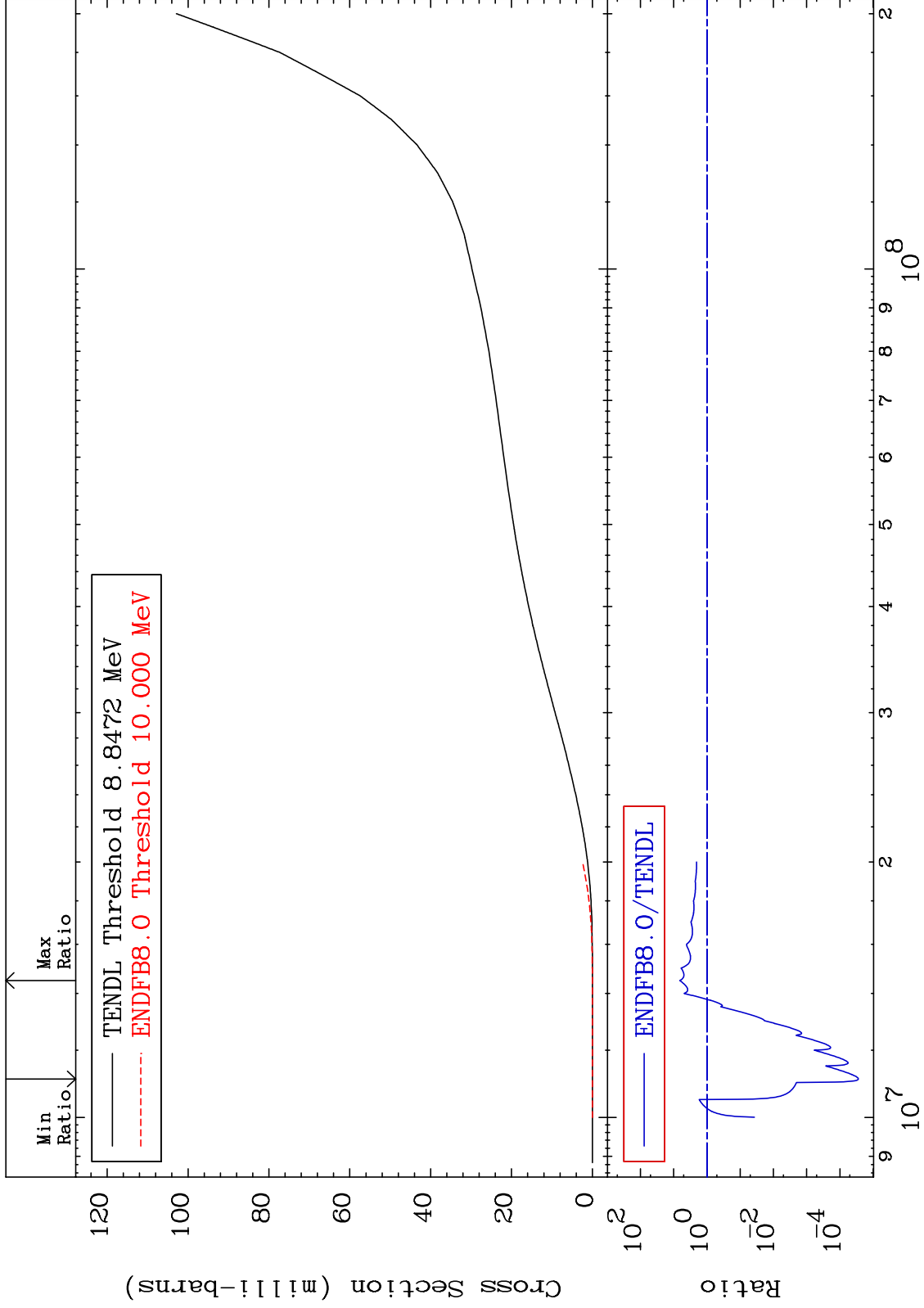
52-Te-122
-100.0 To 12.65 %



MAT 5231

Tritium Production
Cross Section

⁵²-Te-122
-100.0 To 554.4 %



22

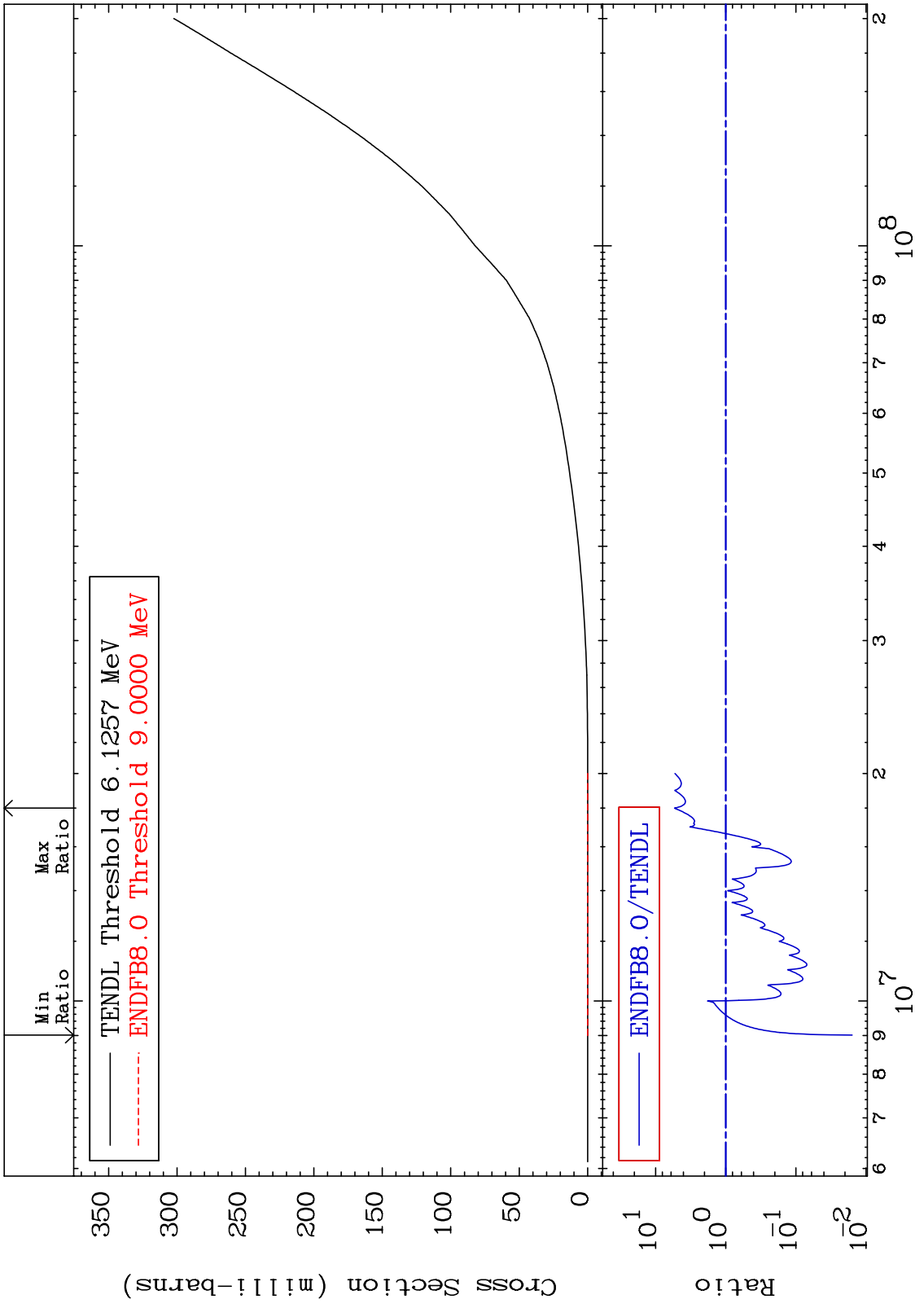
Incident Energy (eV)

⁵²-Te-122

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He-3 Production
Cross Section

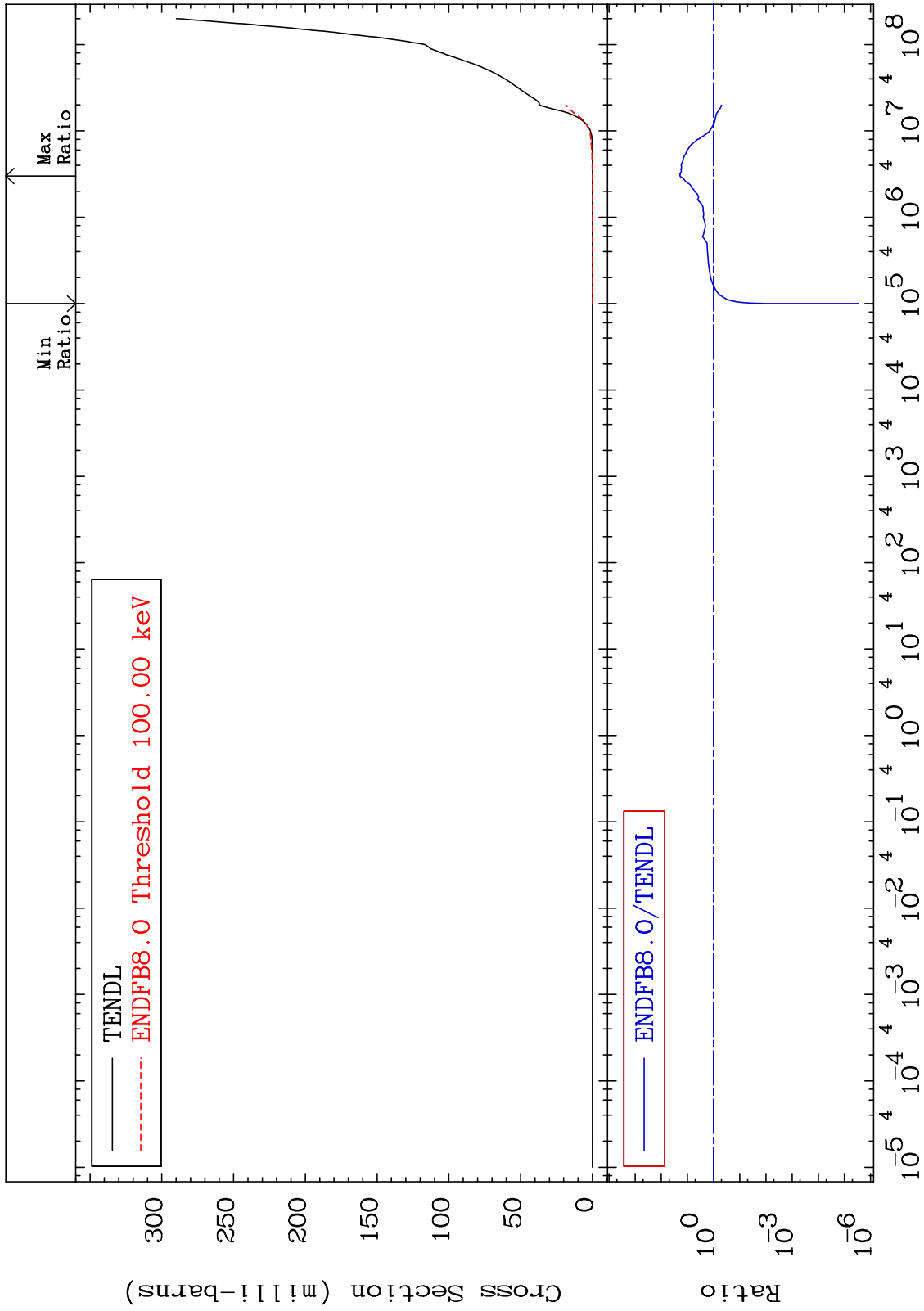
52-Te-122
-98.42 To 435.2 %



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He-4 Production
Cross Section

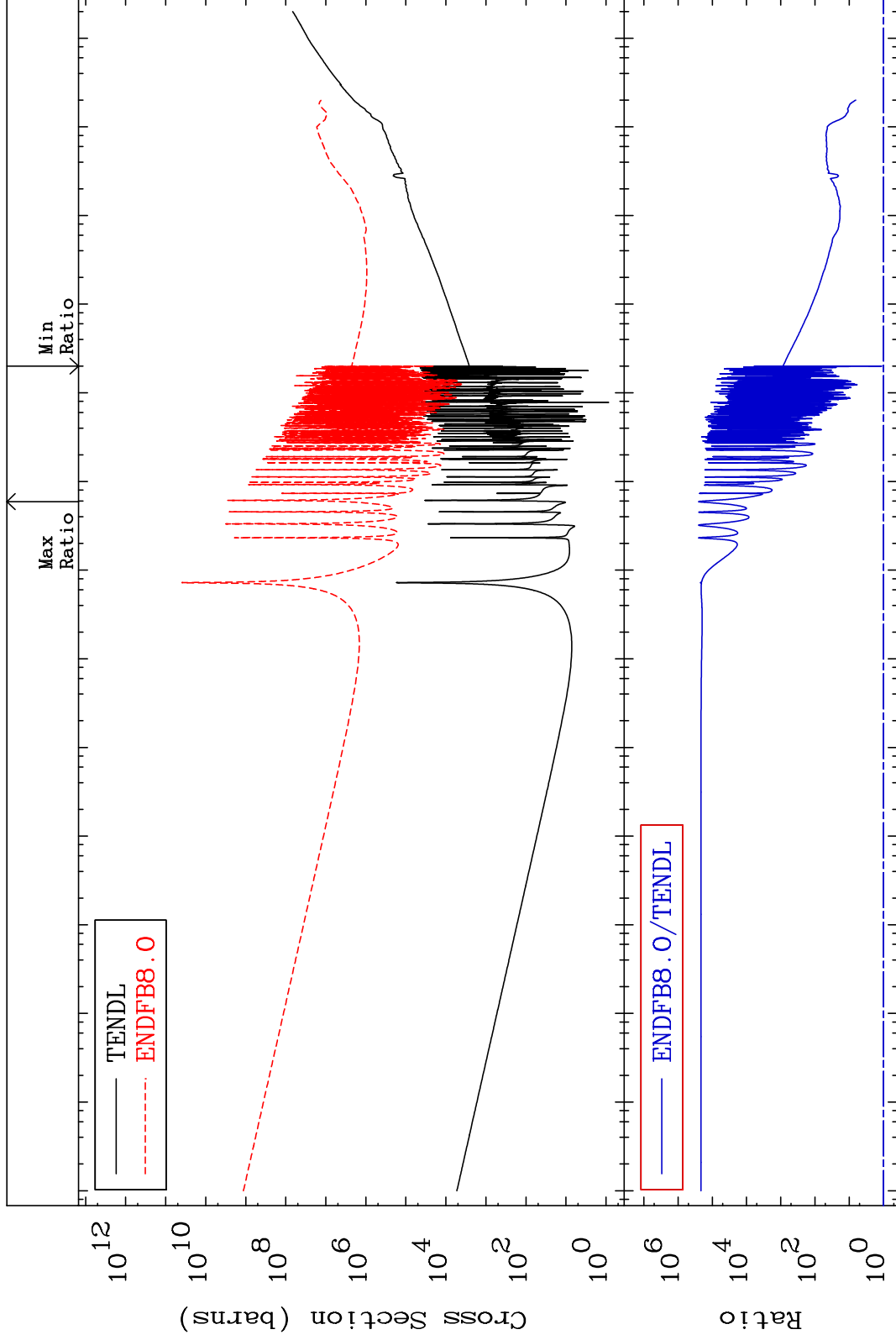
52-Te-122
-100.0 To 1860. %



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Kerma total (eV-barns)
Cross Section

52-Te-122
13.81 To 9999. %



25

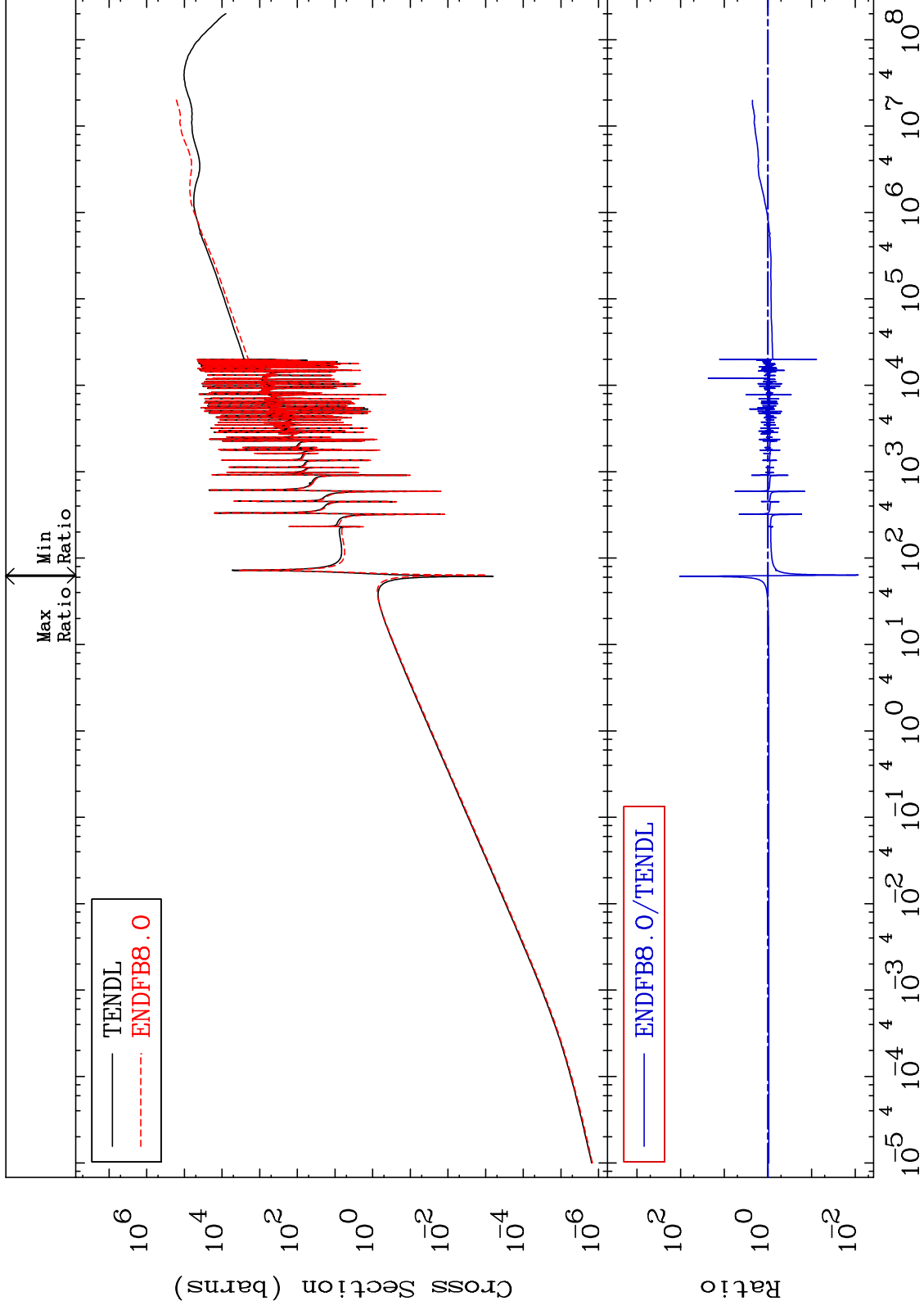
Incident Energy (eV)

52-Te-122

MAT 5231

Kerma elastic
Cross Section

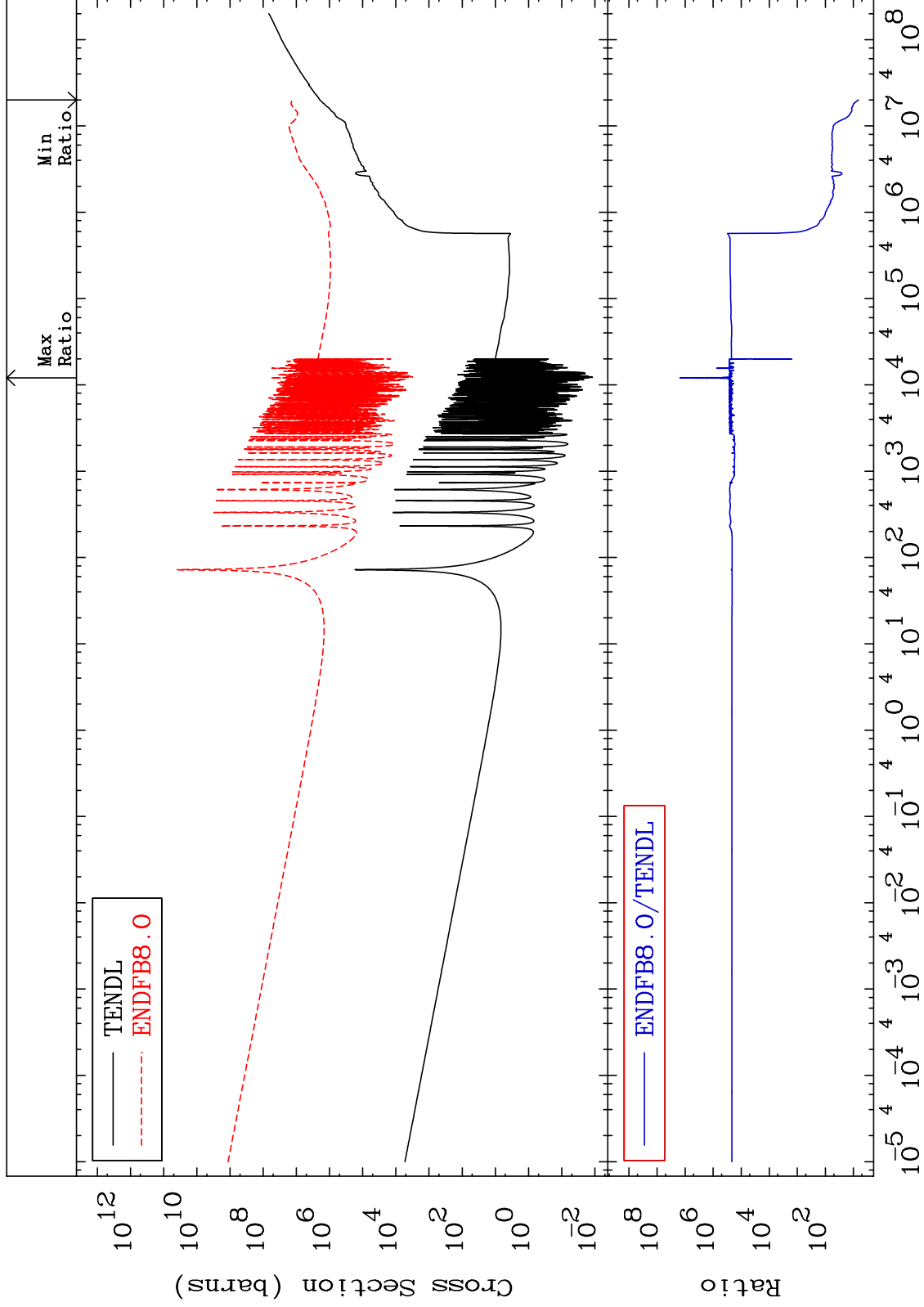
52-Te-122
-99.15 To 9999. %



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Kerma non-elastic (all but mt2)
Cross Section

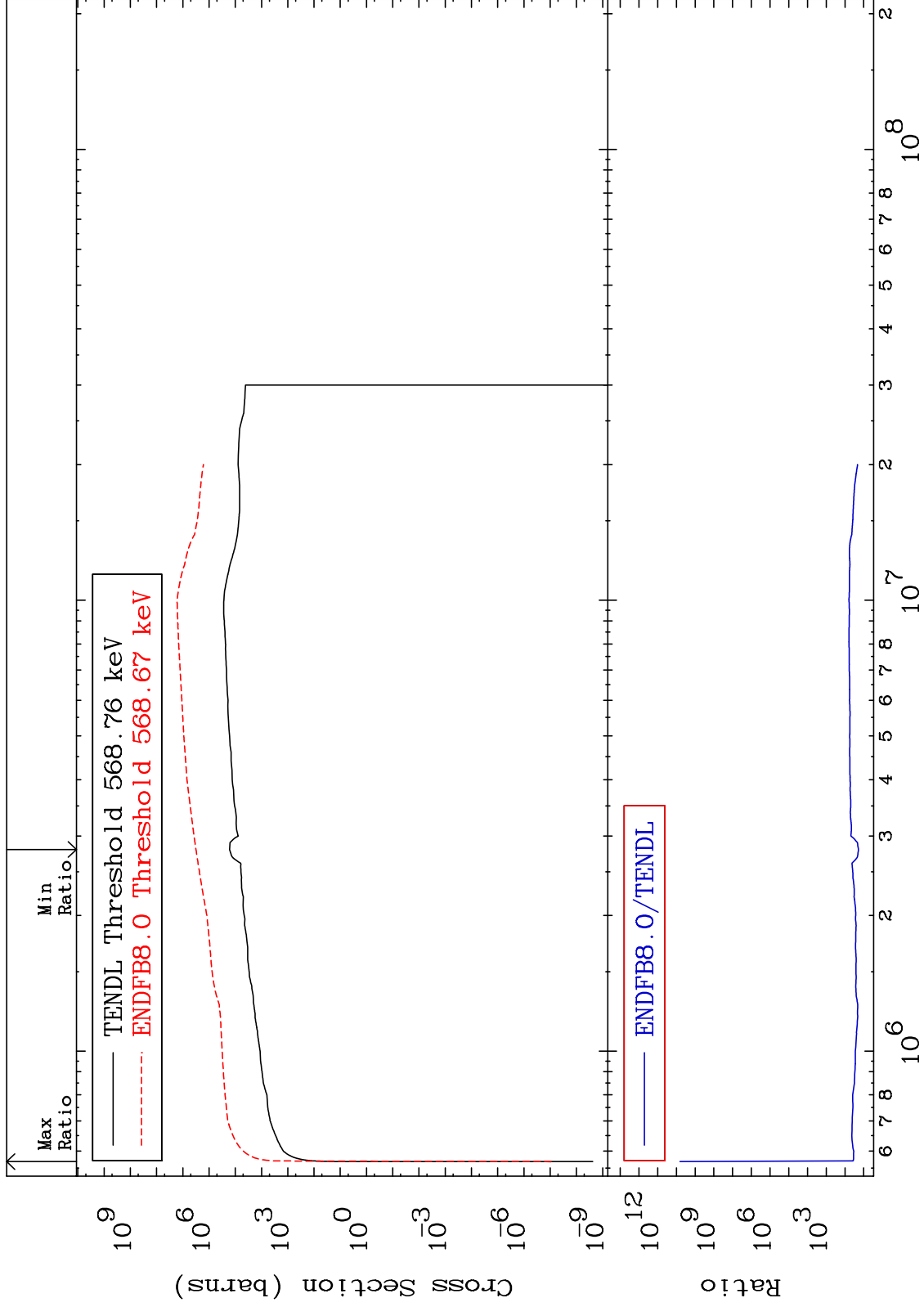
52-Te-122
565.5 To 9999. %



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Kerma inelastic (mt51-91)
Cross Section

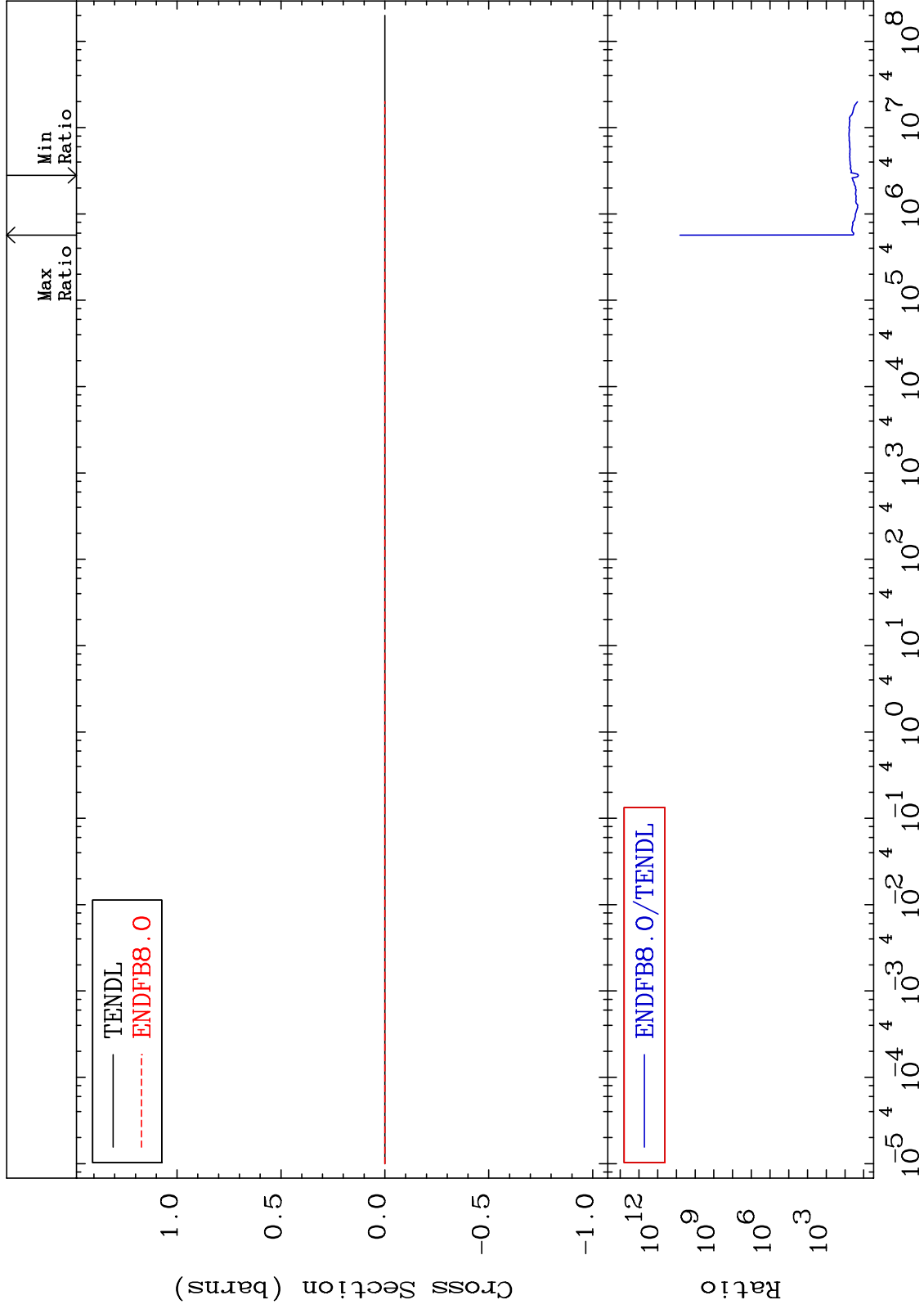
52-Te-122
1812. To 9999. %



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Kerma fission (mt18 or mt19-20-21-38)
Cross Section

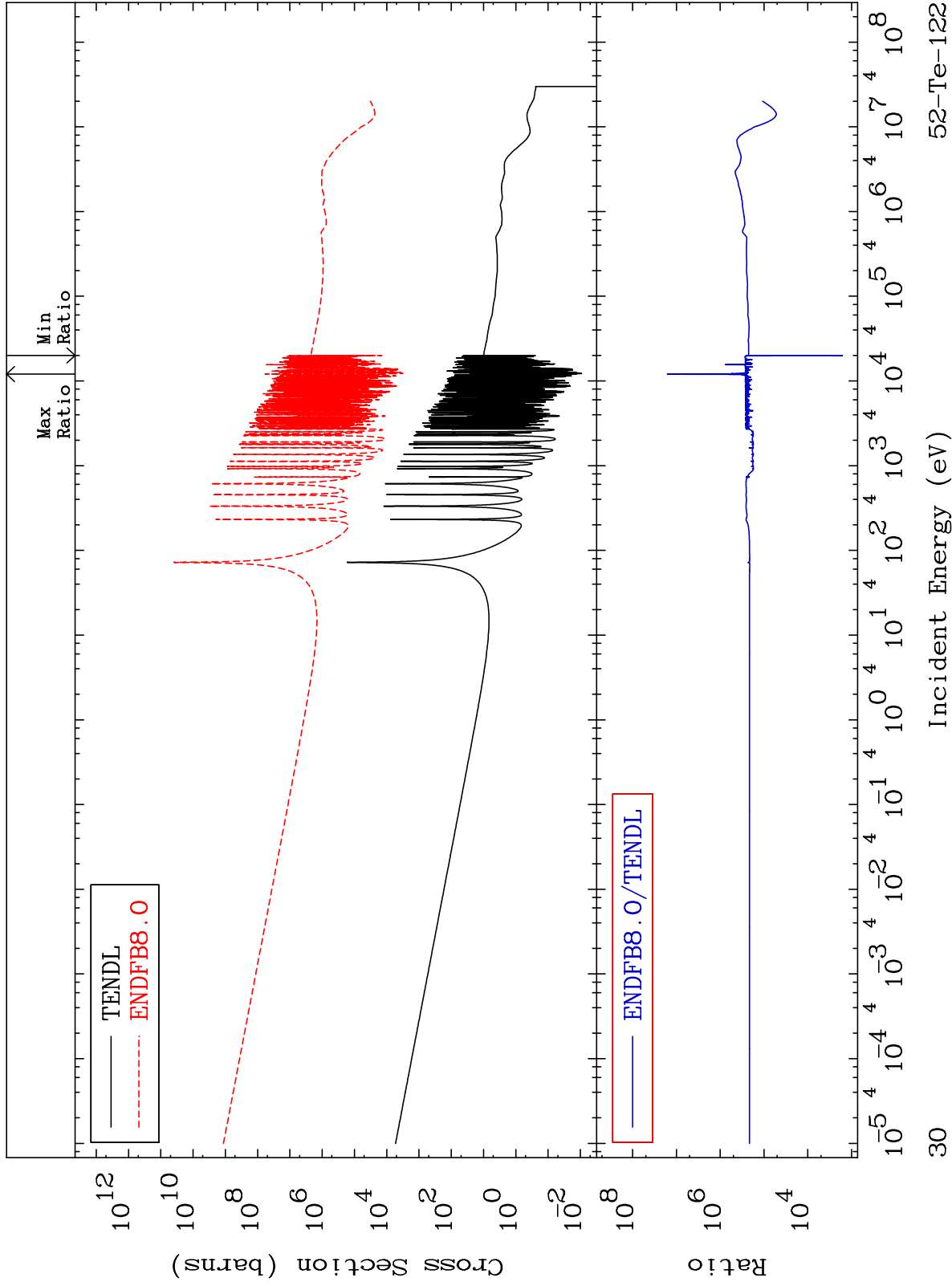
52-Te-122
1812. To 9999. %



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Kerma capture (mt102)
Cross Section

52-Te-122
9999. To 9999. %



30

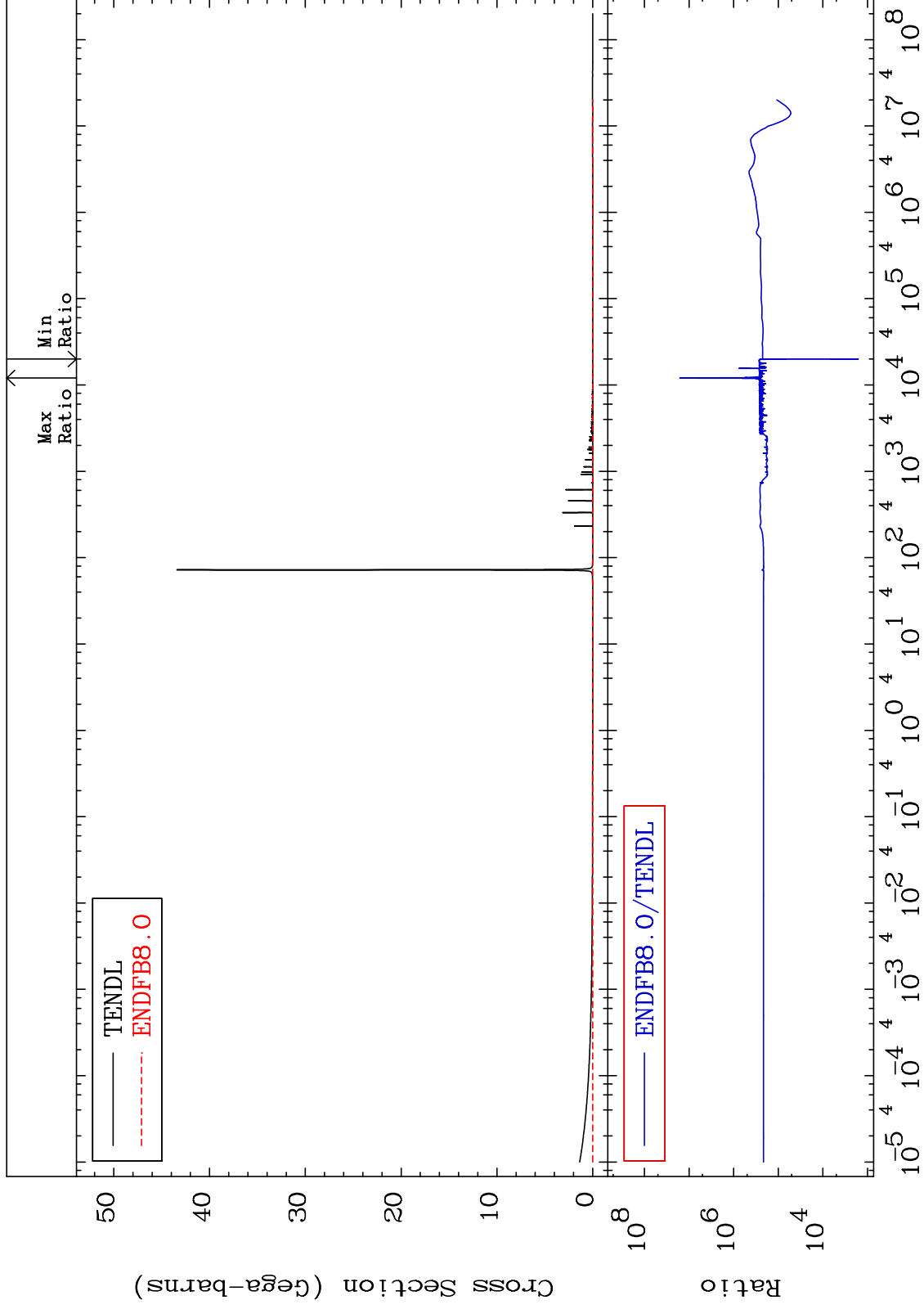
Incident Energy (eV)

52-Te-122

MAT 5231

Total photon (eV-barns)
Cross Section

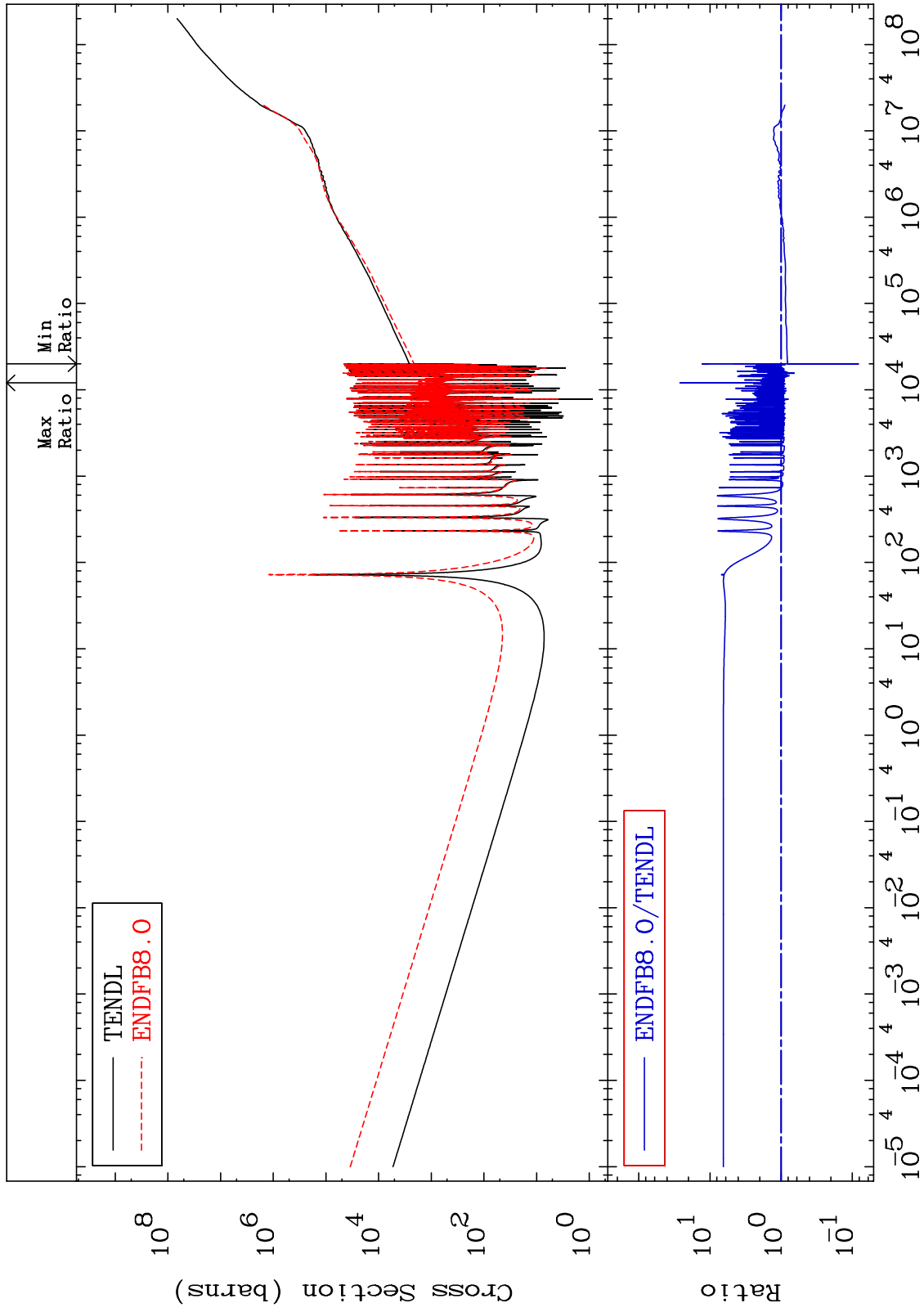
52-Te-122
9999. To 9999. %



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Total kinematic kerma (high limit)
Cross Section

52-Te-122
-91.79 To 2533. %



32

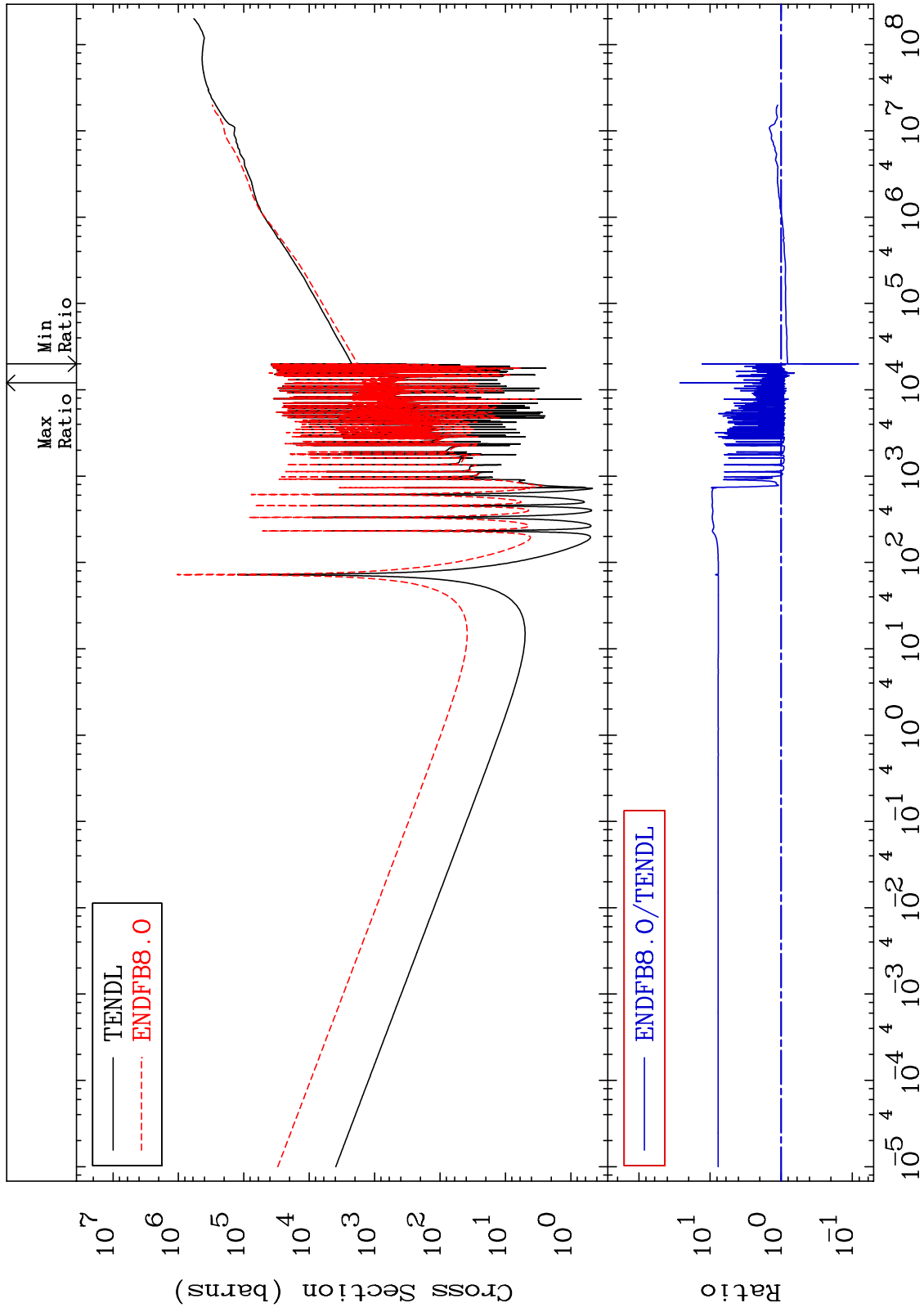
Incident Energy (eV)

52-Te-122

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Dpa total (eV-barns)
Cross Section

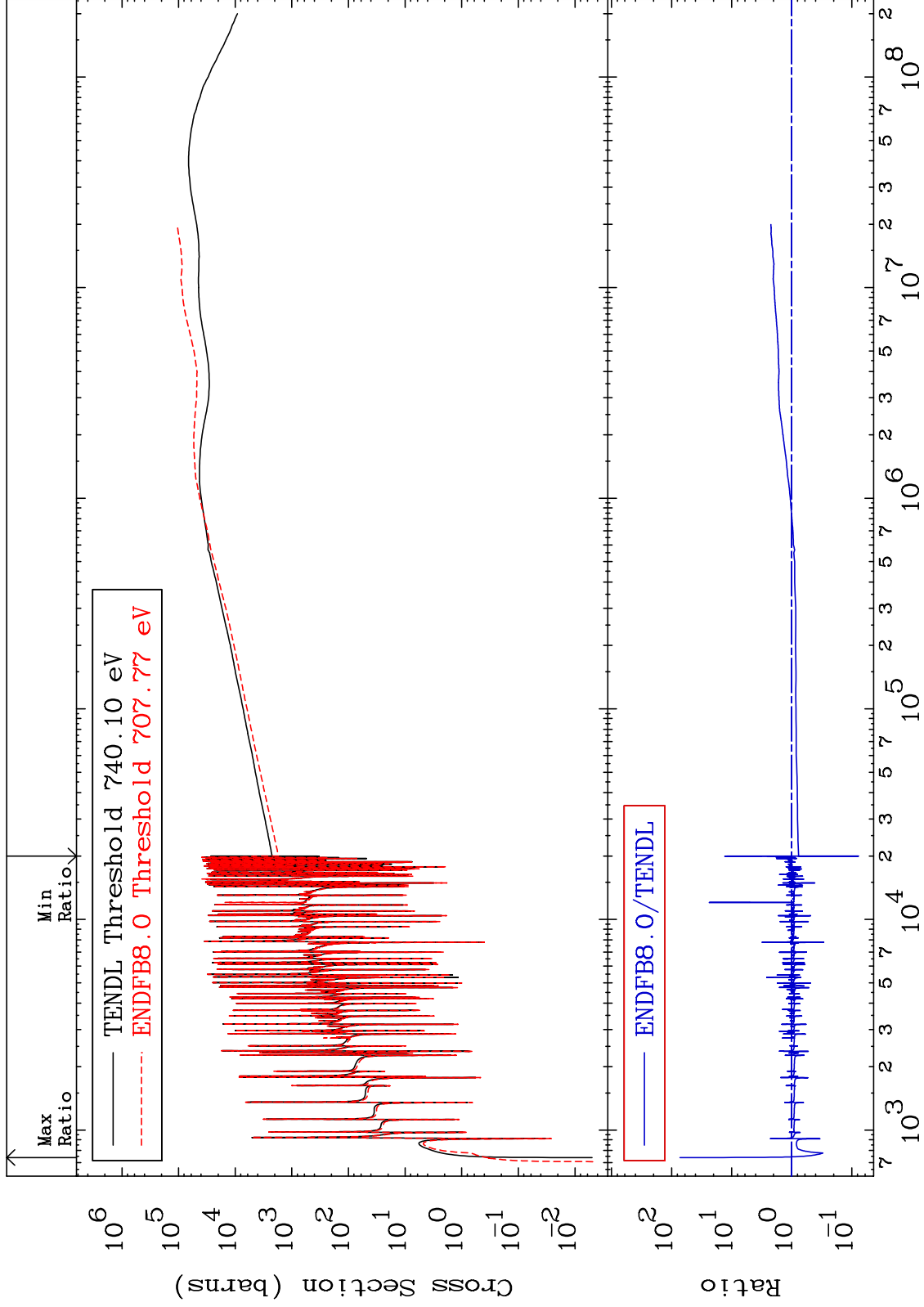
52-Te-122
-91.78 To 2547. %



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Dpa elastic (mt2)
Cross Section

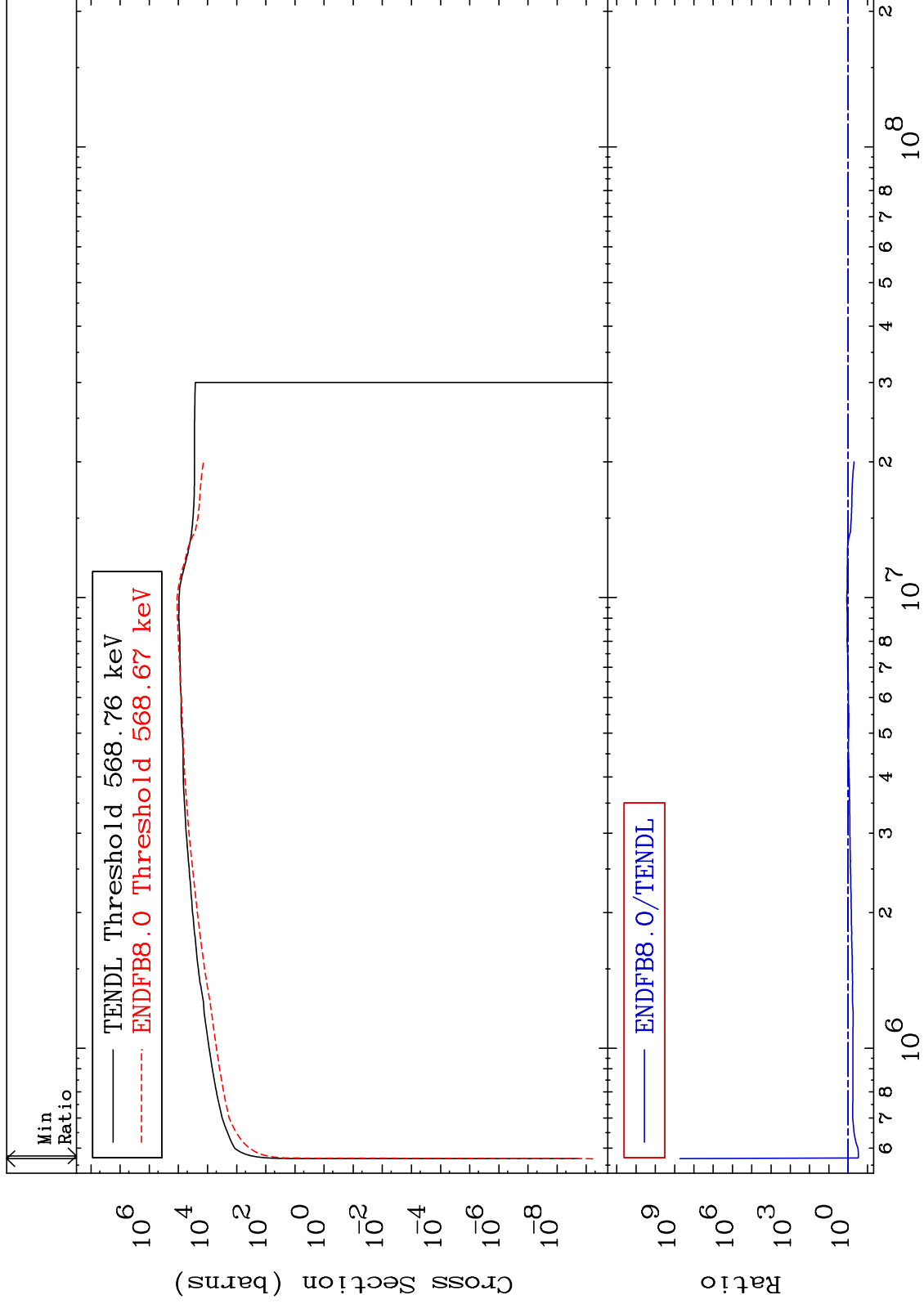
52-Te-122
-92.25 To 7135. %



MAT 5231

Dpa inelastic (mt51-91)
Cross Section

52-Te-122
-70.68 To 9999. %



MAT 5231

Dpa disappearance (mt102 -120)
Cross Section

52-Te-122
-89.86 To 9999. %

