

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

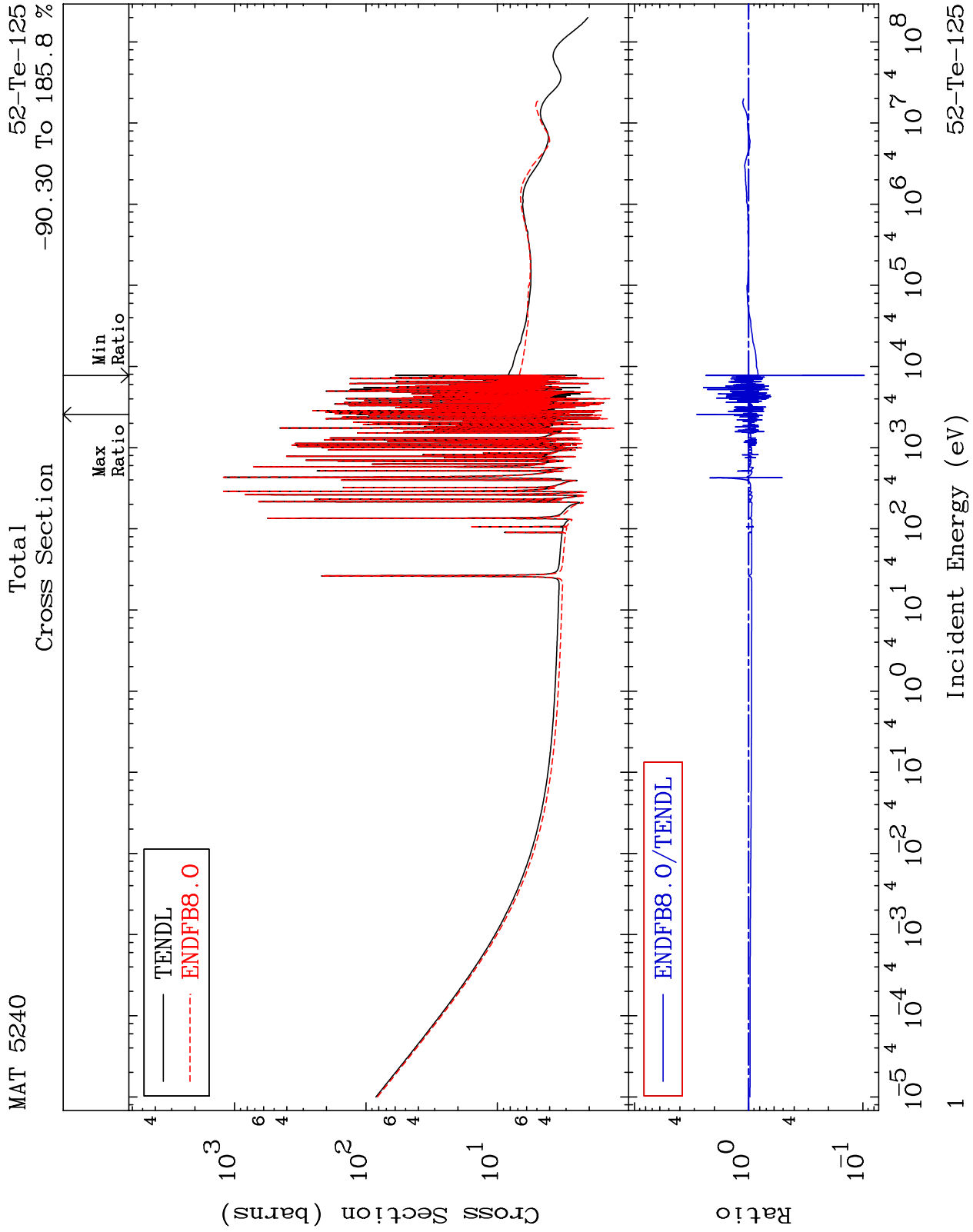
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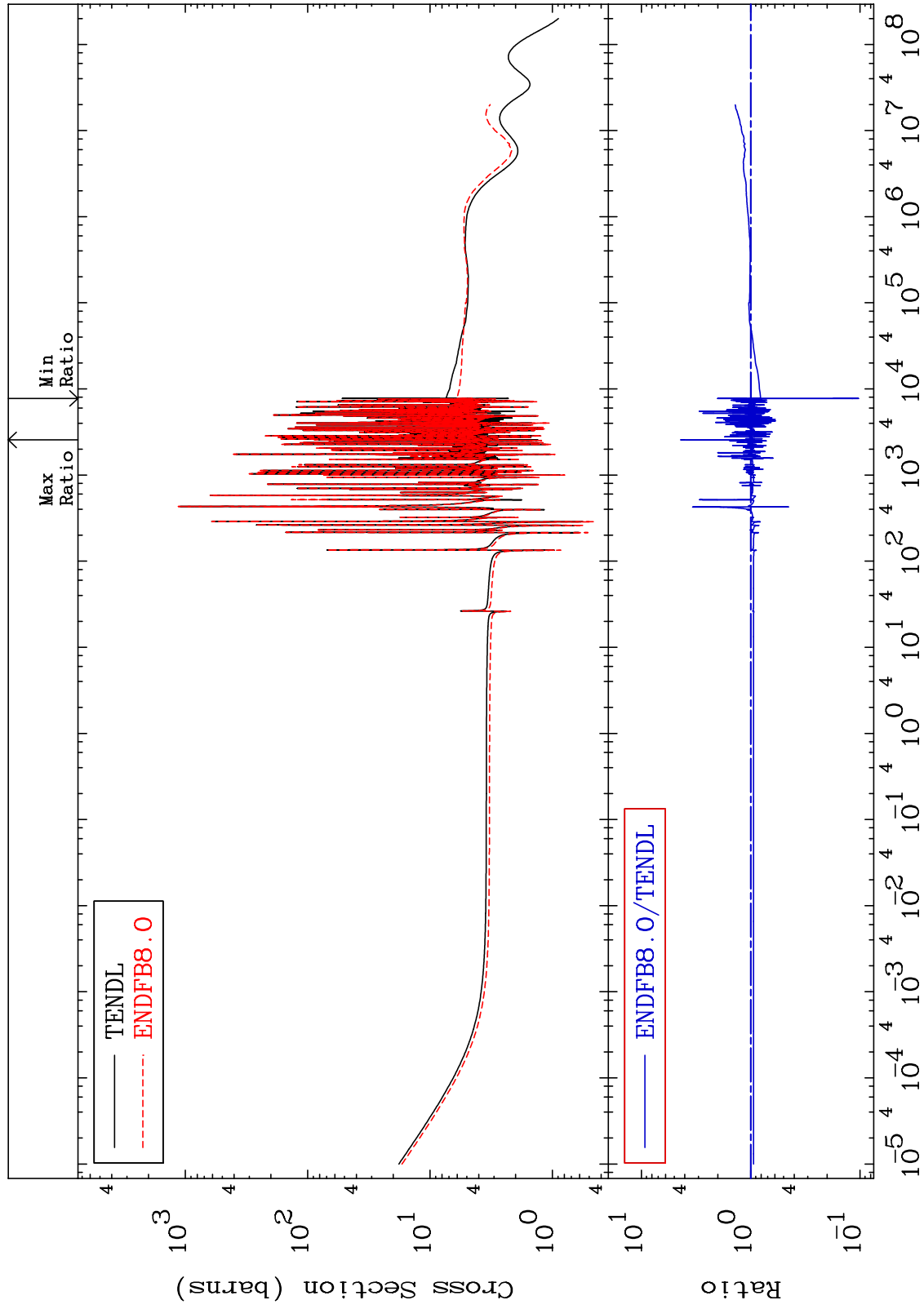
Press Mouse Button to Start



MAT 5240

Elastic
Cross Section

52-Te-125
-89.69 To 338.6 %

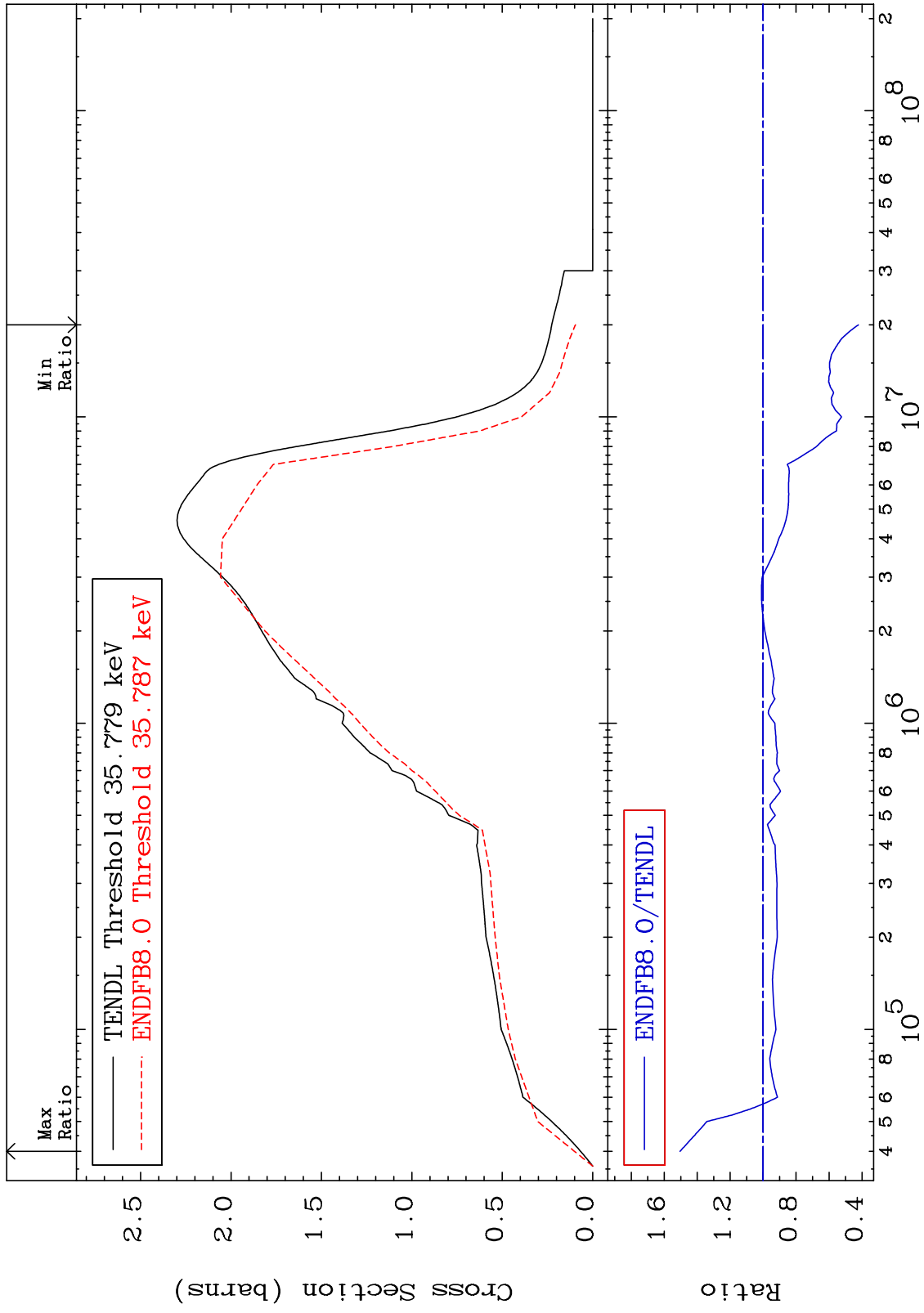


2

Incident Energy (eV)

52-Te-125

MAT 5240 Inelastic Cross Section 52-Te-125 -57.81 To 50.43 %



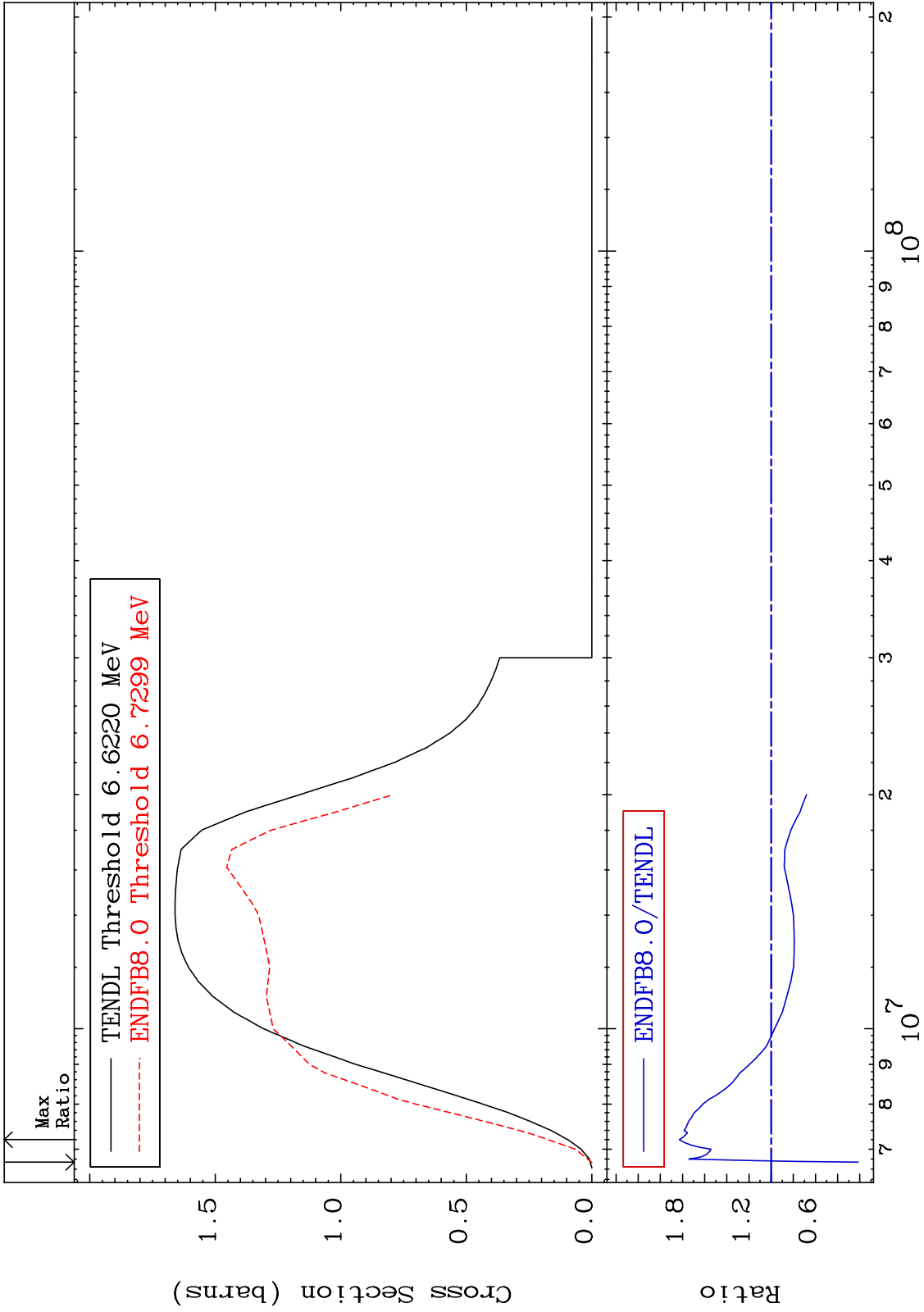
MAT 5240

(n,2n)

52-Te-125

Cross Section

-78.59 To 82.84 %



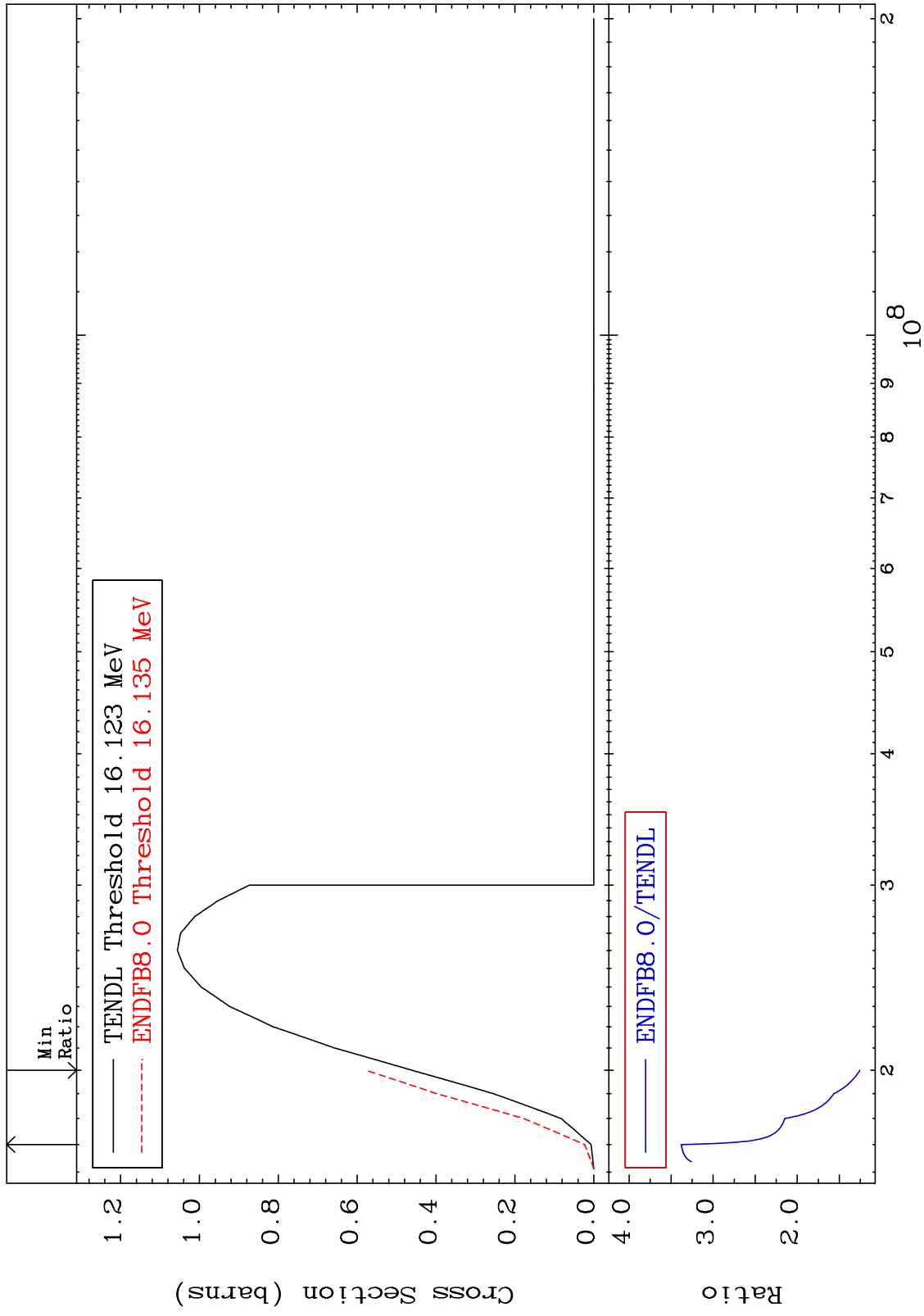
MAT 5240

(n, 3n)

52-Te-125

Cross Section

25.46 To 238.0 %



5

Incident Energy (eV)

52-Te-125

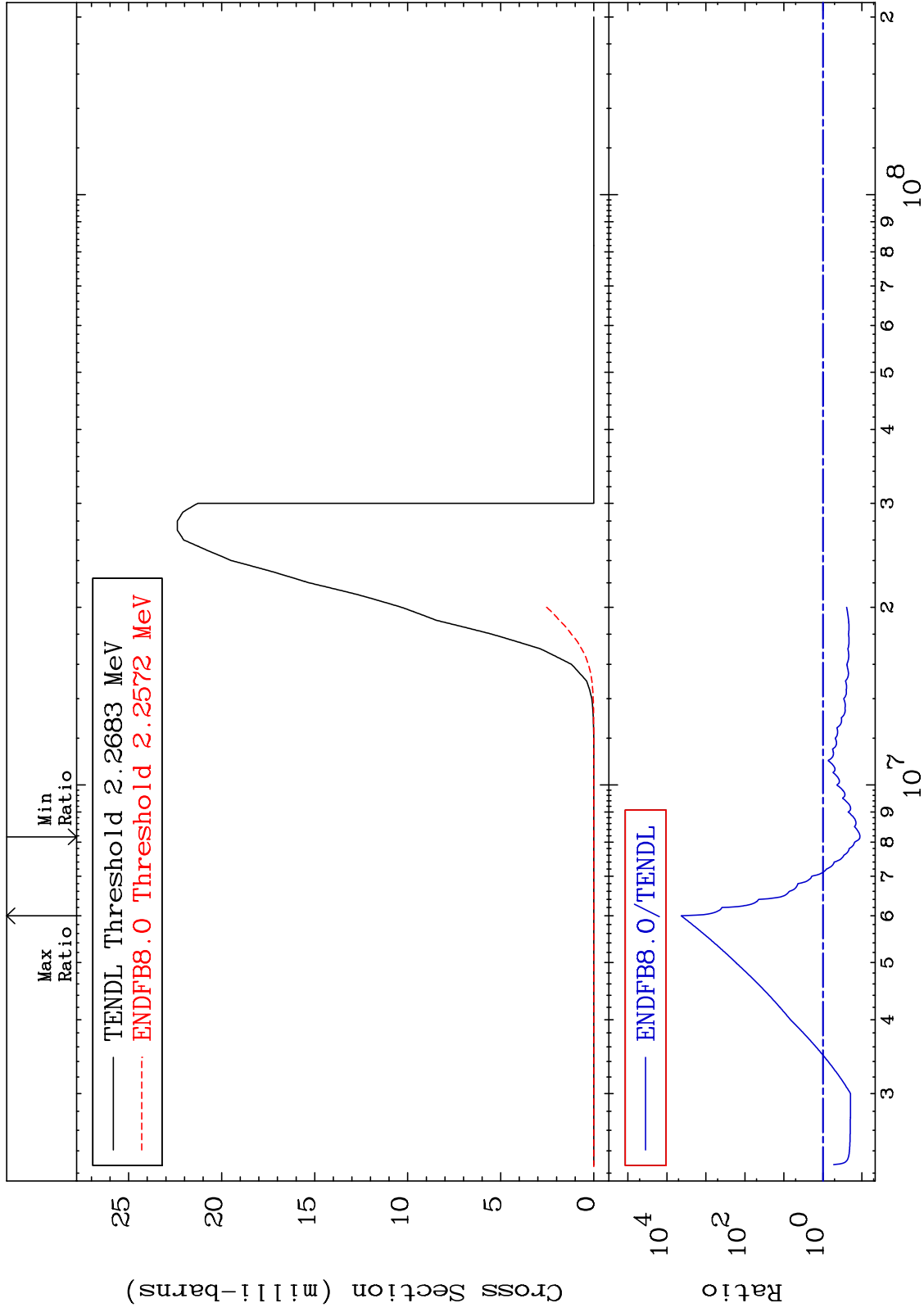
MAT 5240

(n,n') α

52-Te-125

Cross Section

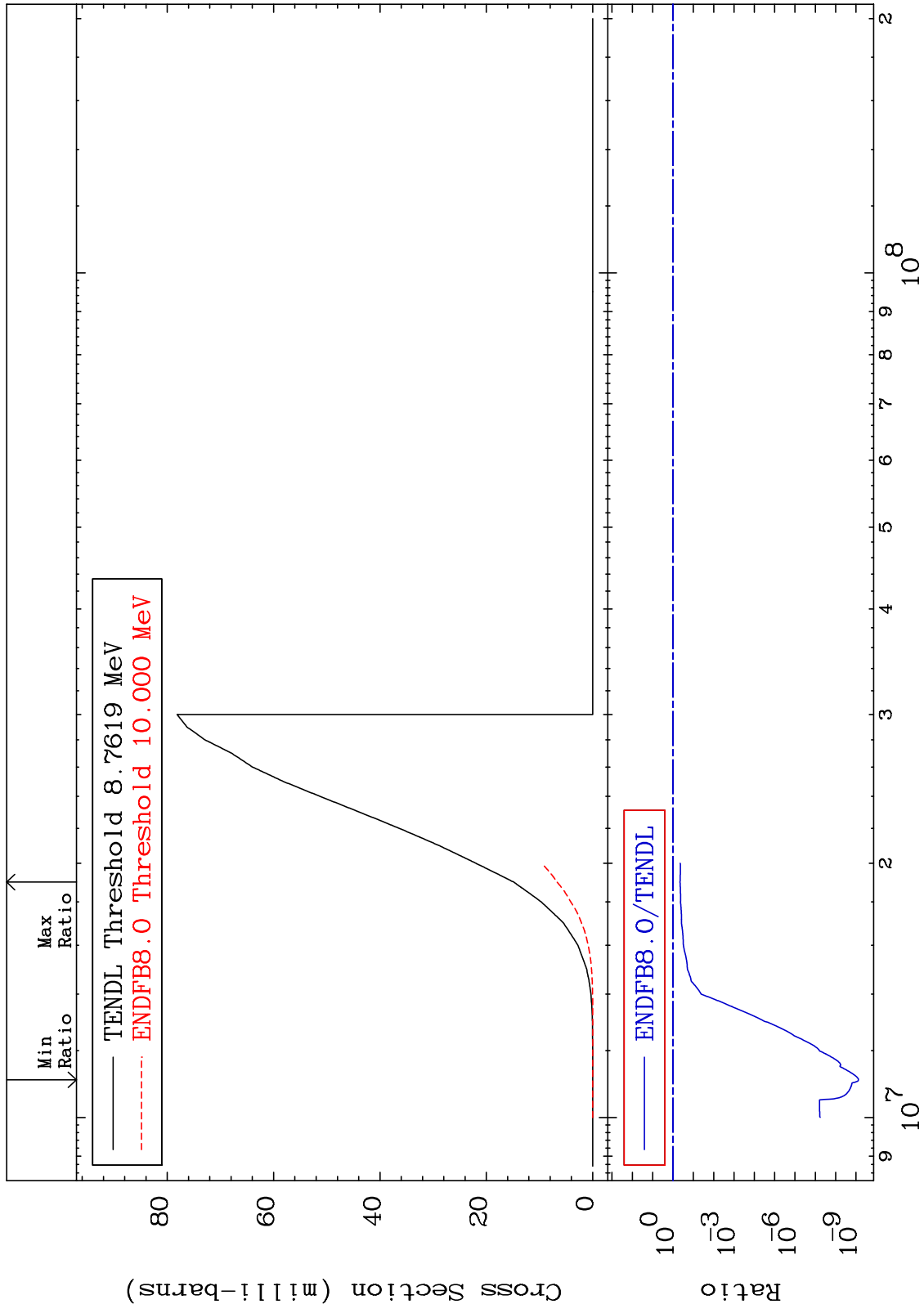
-88.79 To 9999. %



MAT 5240

(n,n') p
Cross Section

52-Te-125
-100.0 To -54.88%



7

Incident Energy (eV)

52-Te-125

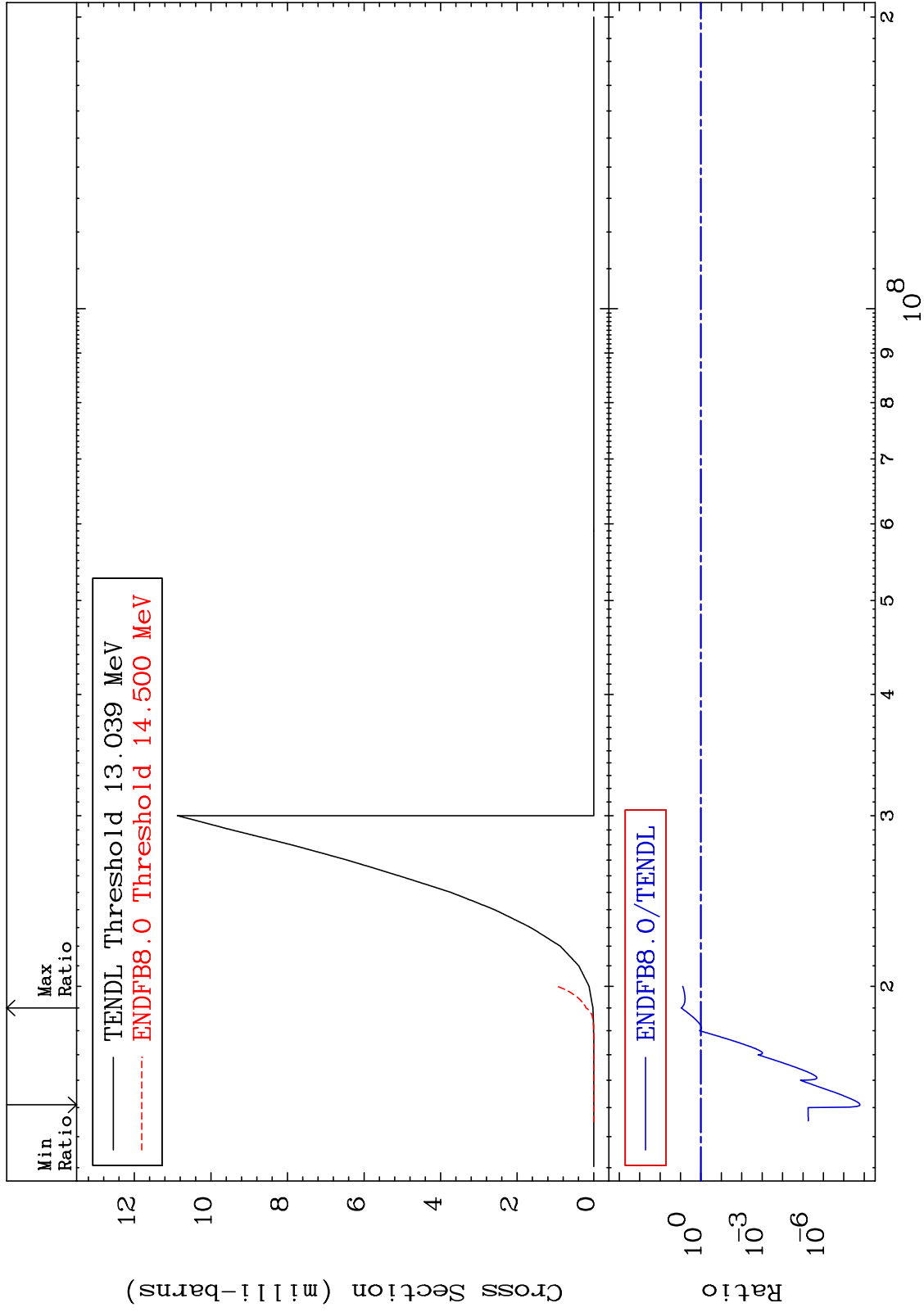
MAT 5240

(n,n') d

52-Te-125

Cross Section

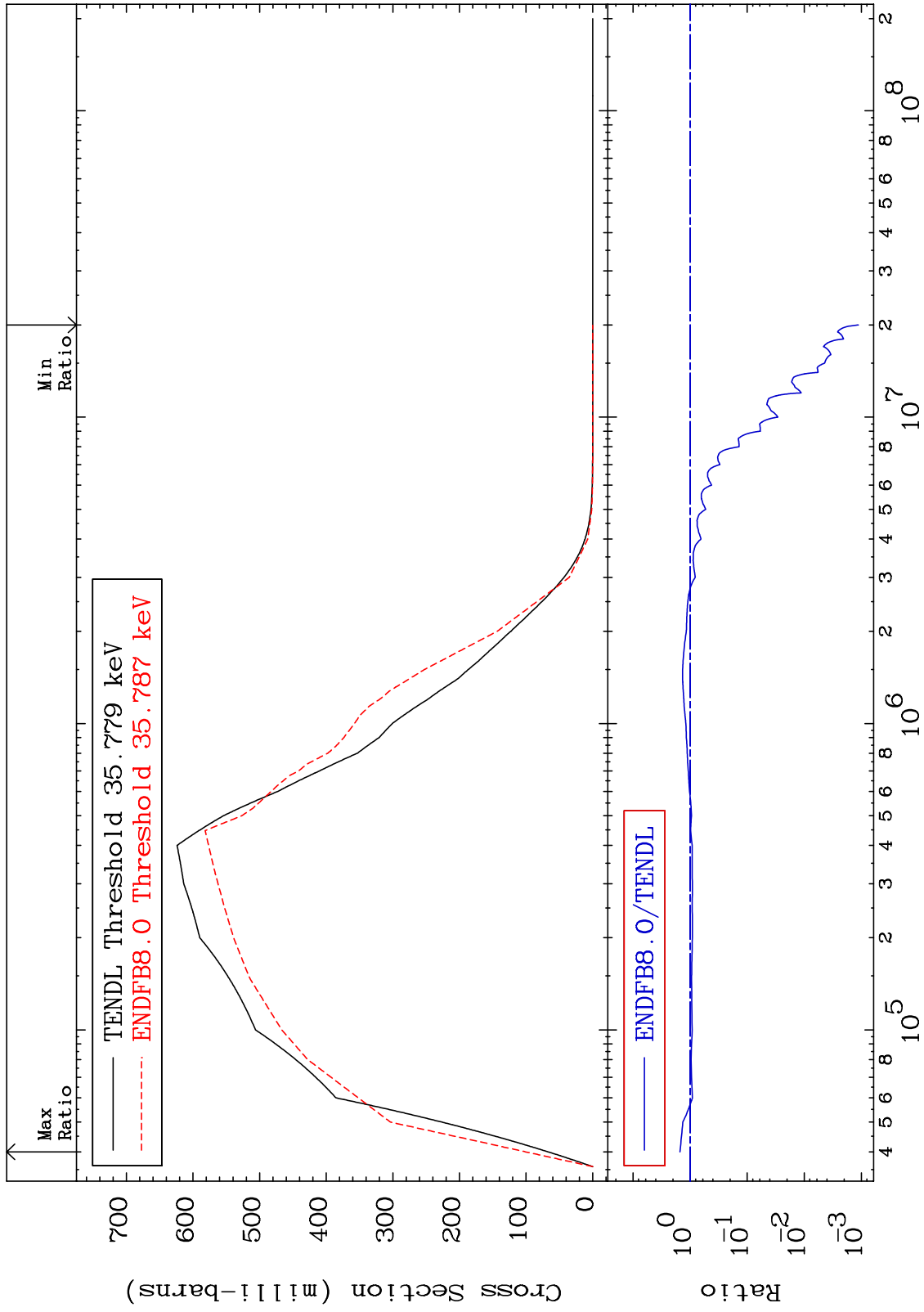
-100.0 To 820.7 %



MAT 5240

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

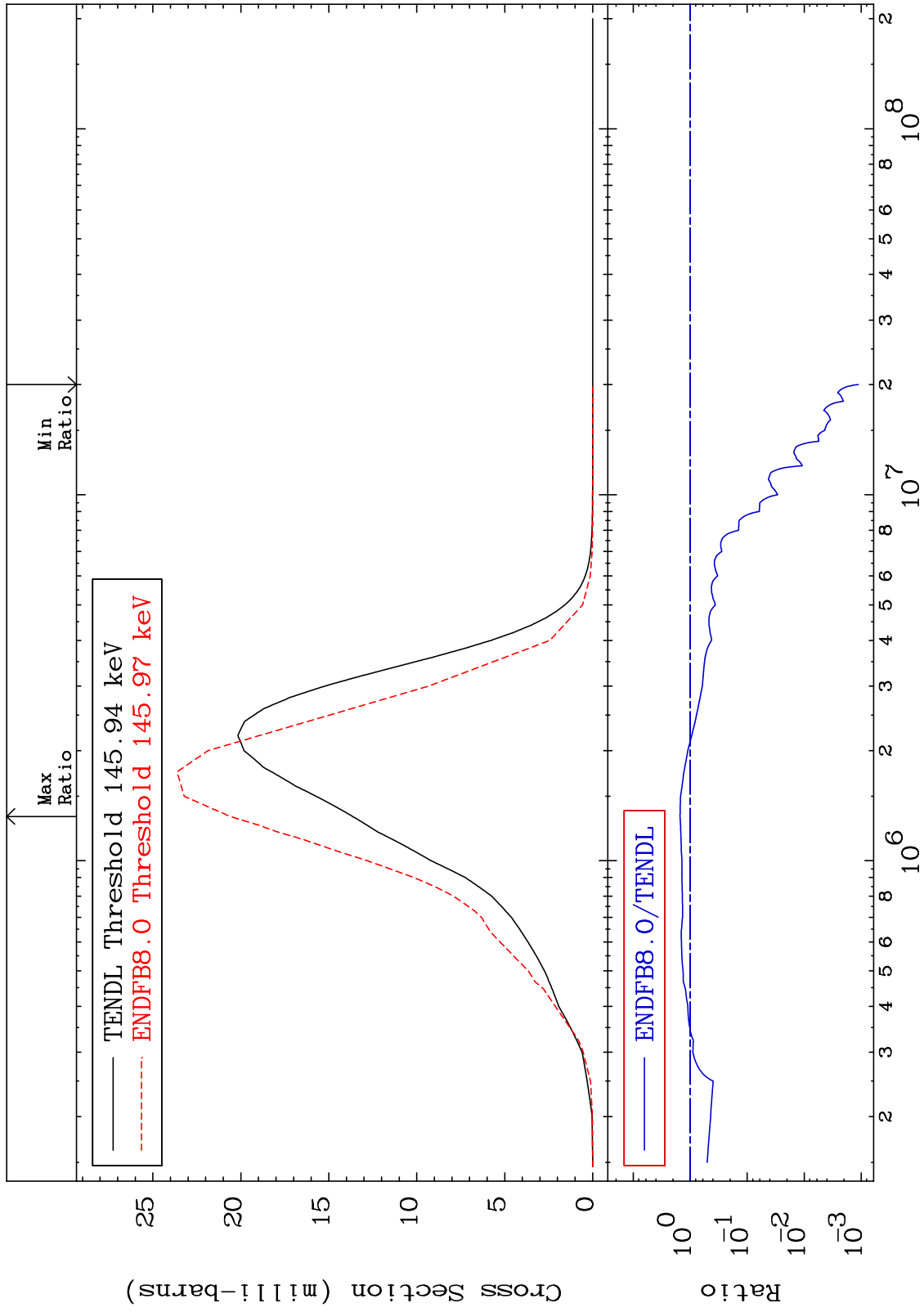
52-Te-125
-99.89 To 50.43 %



MAT 5240

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

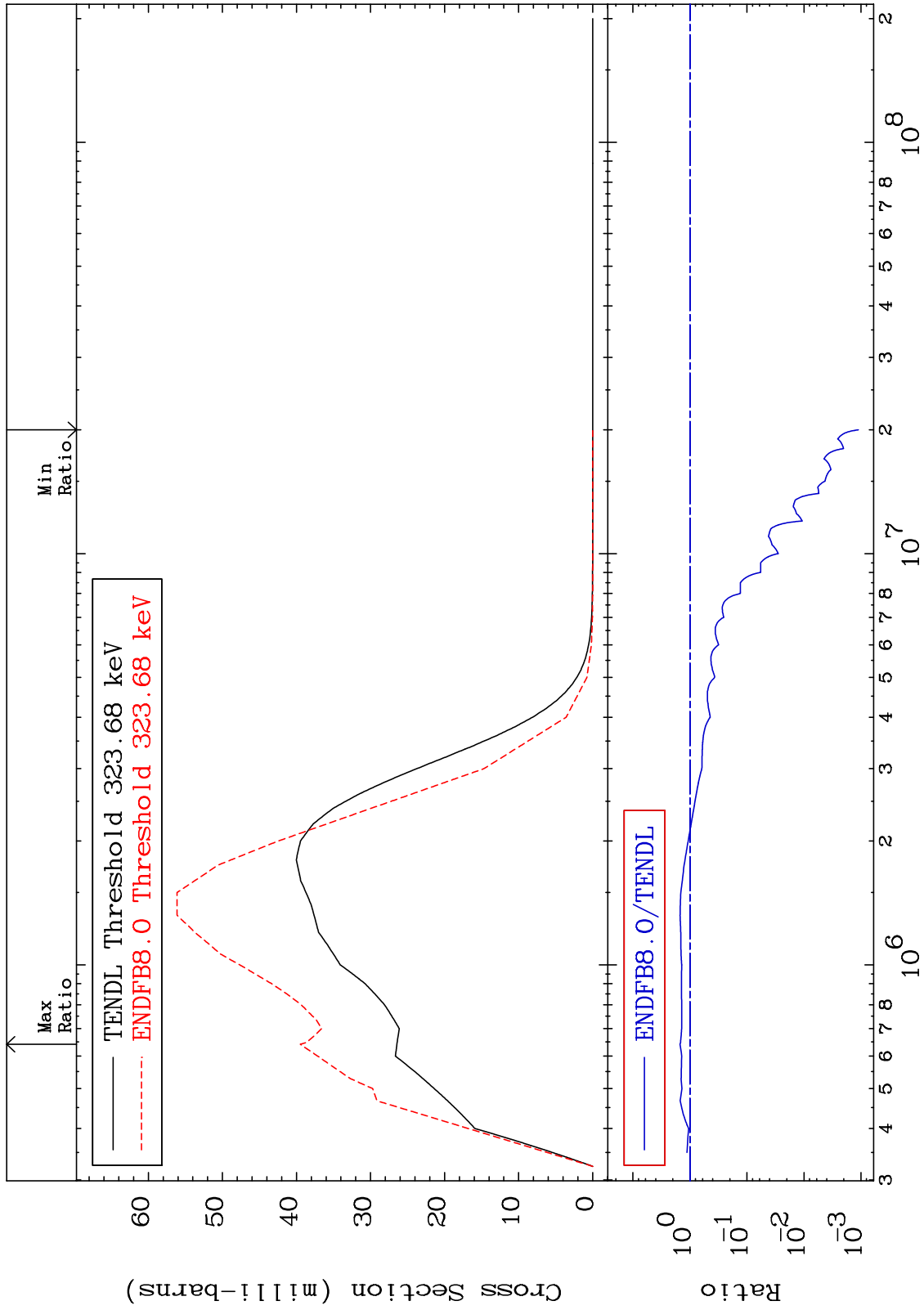
52-Te-125
-99.89 To 51.02 %



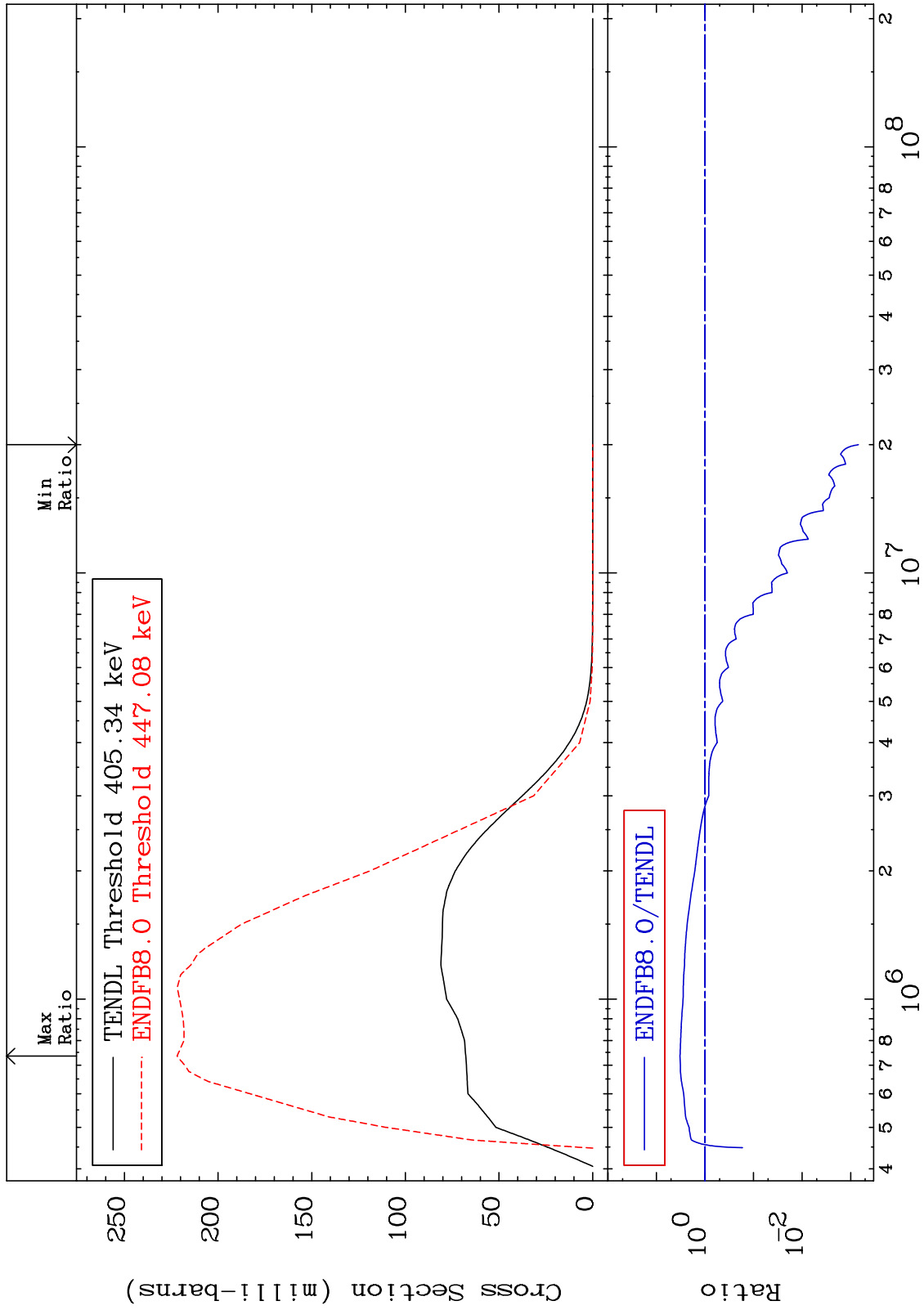
10

52-Te-125

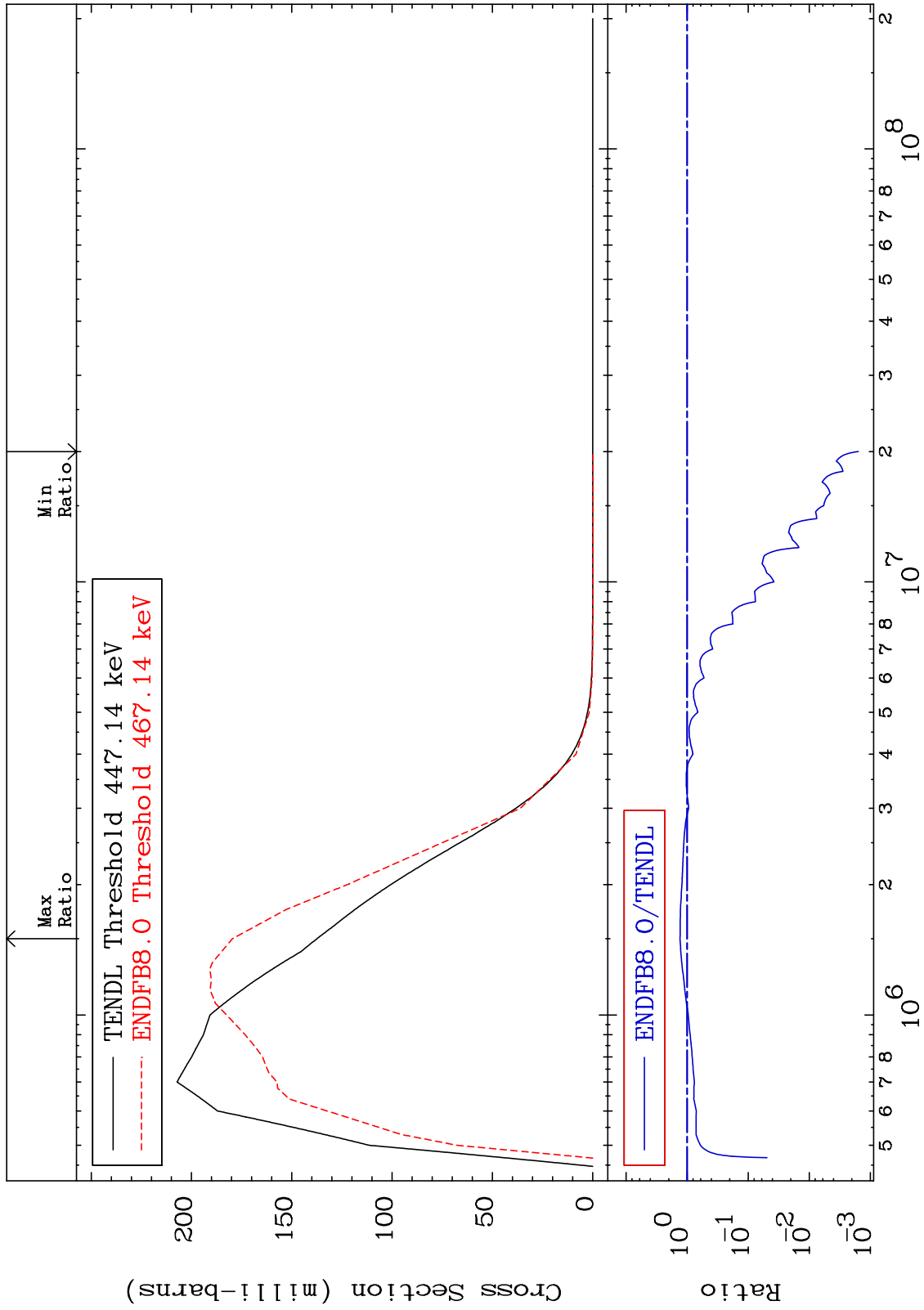
MAT 5240 MT= 53 (n,n') Level Cross Section 52-Te-125
 -99.89 To 49.39 %



MAT 5240 MT= 54 (n,n') Level Cross Section 52-Te-125
 -99.93 To 227.3 %



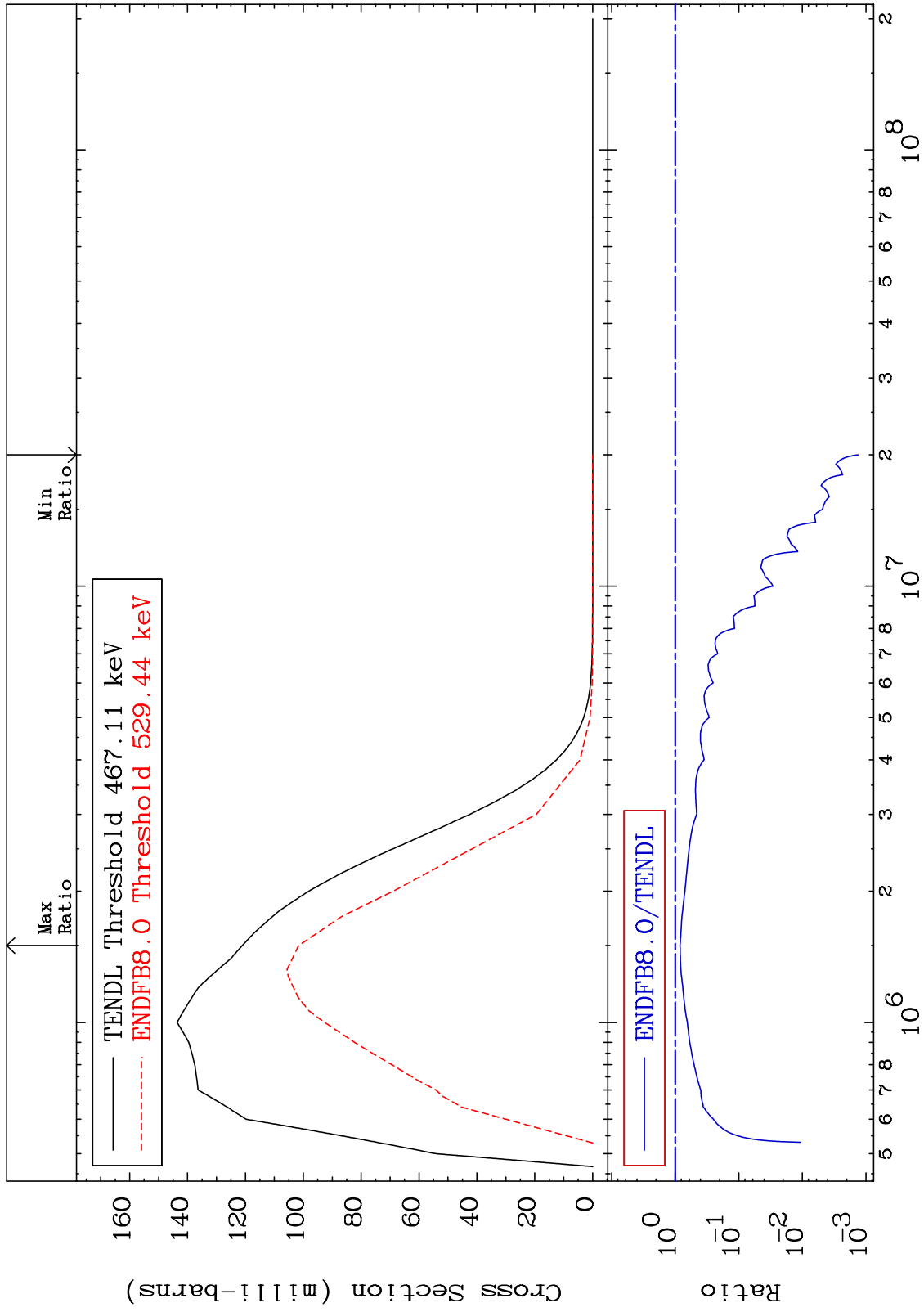
MAT 5240 MT= 55 (n,n') Level Cross Section 52-Te-125 -99.84 To 30.65 %



MAT 5240

MT= 56 (n,n') Level
Cross Section

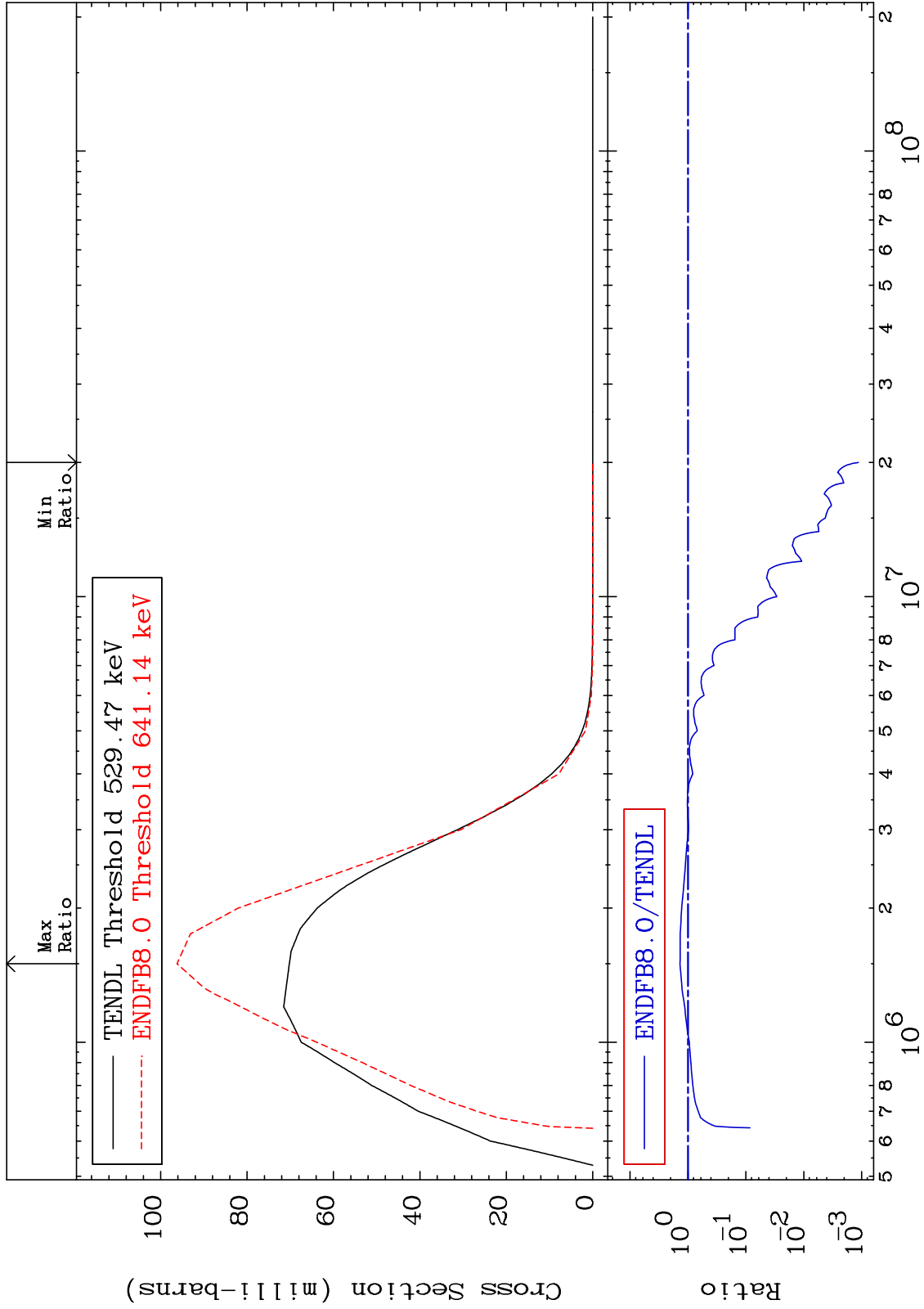
52-Te-125
-99.87 To -16.07%



MAT 5240

MT= 57 (n,n') Level
Cross Section

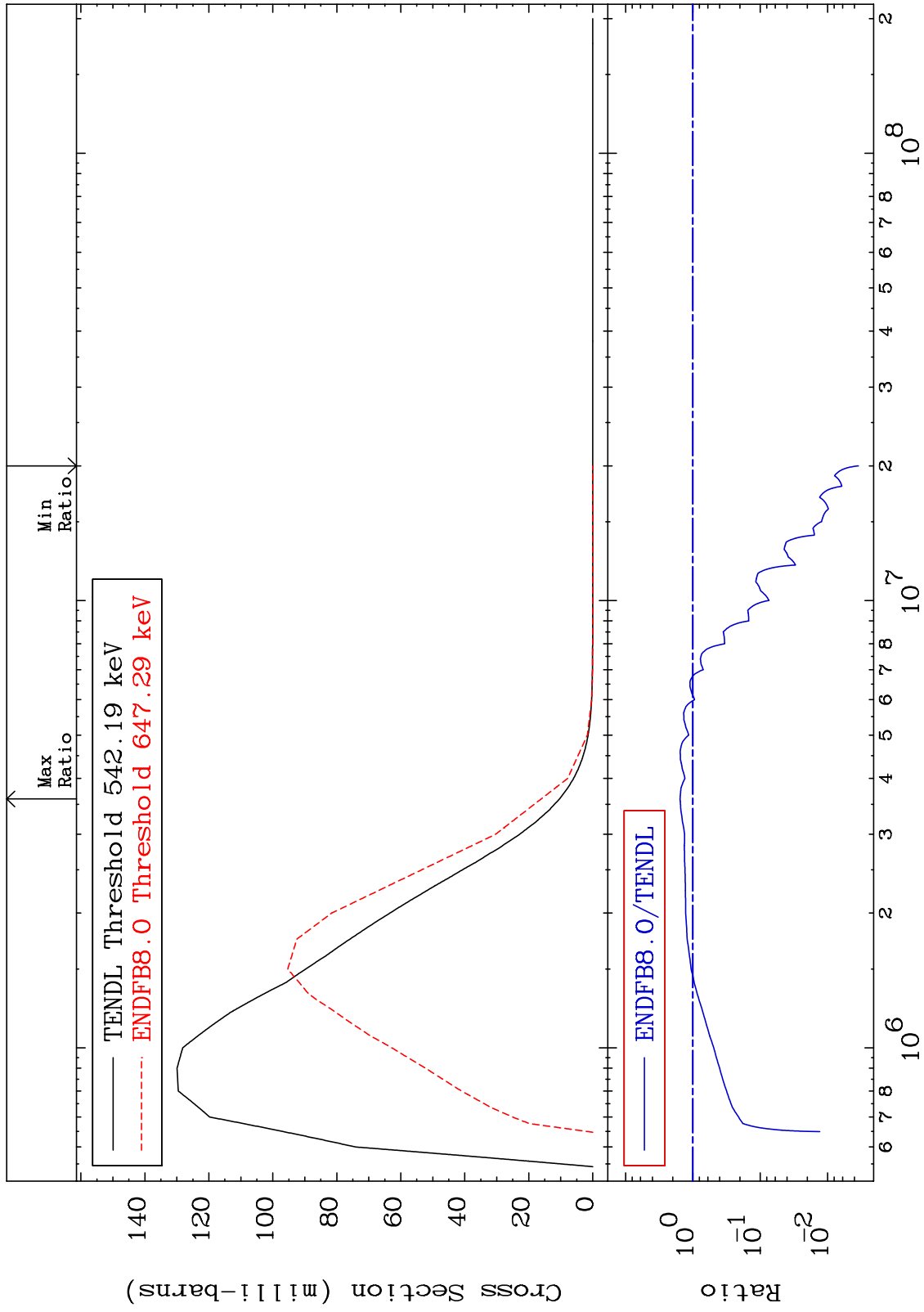
52-Te-125
-99.89 To 37.03 %



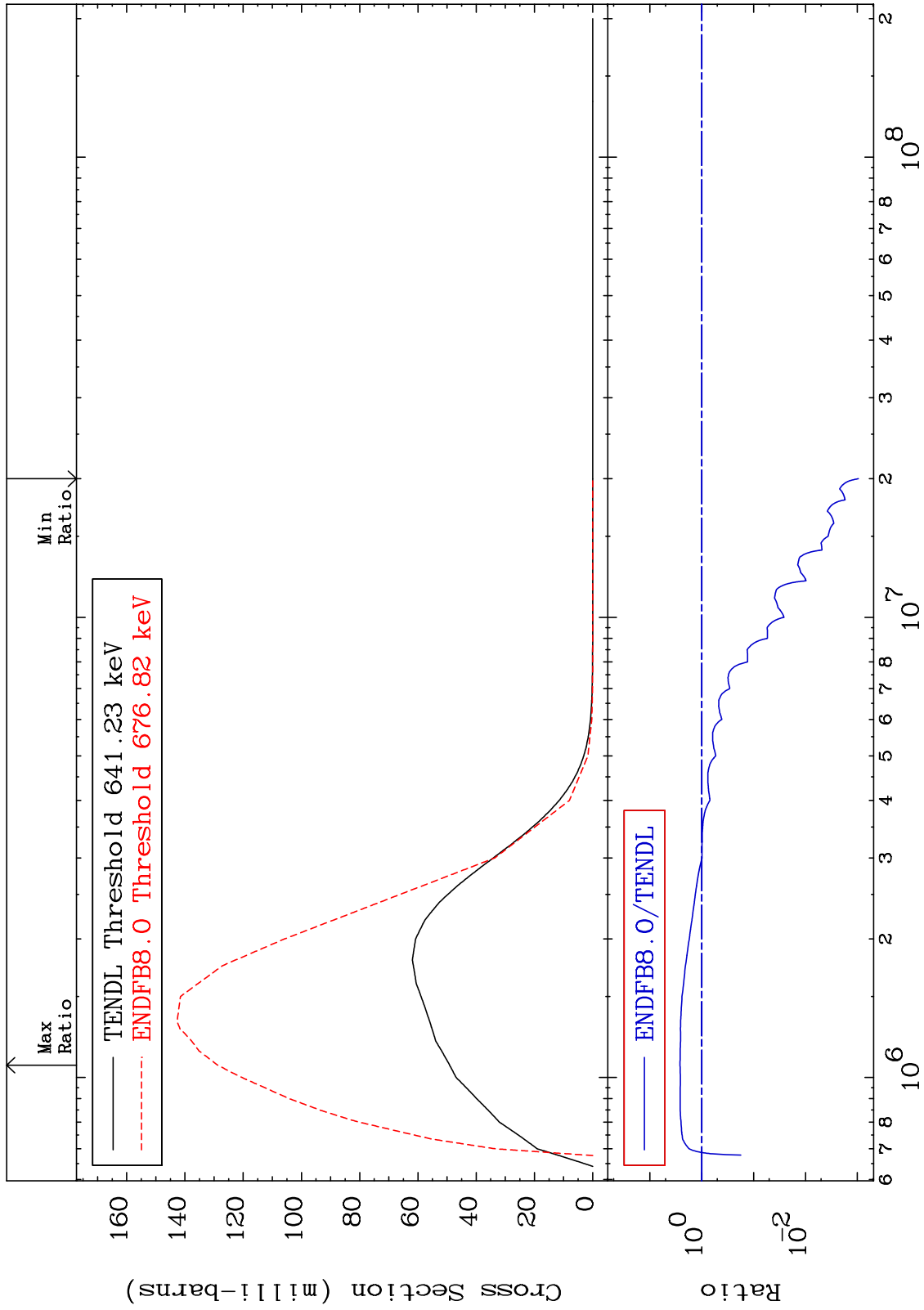
MAT 5240

MT= 58 (n,n') Level
Cross Section

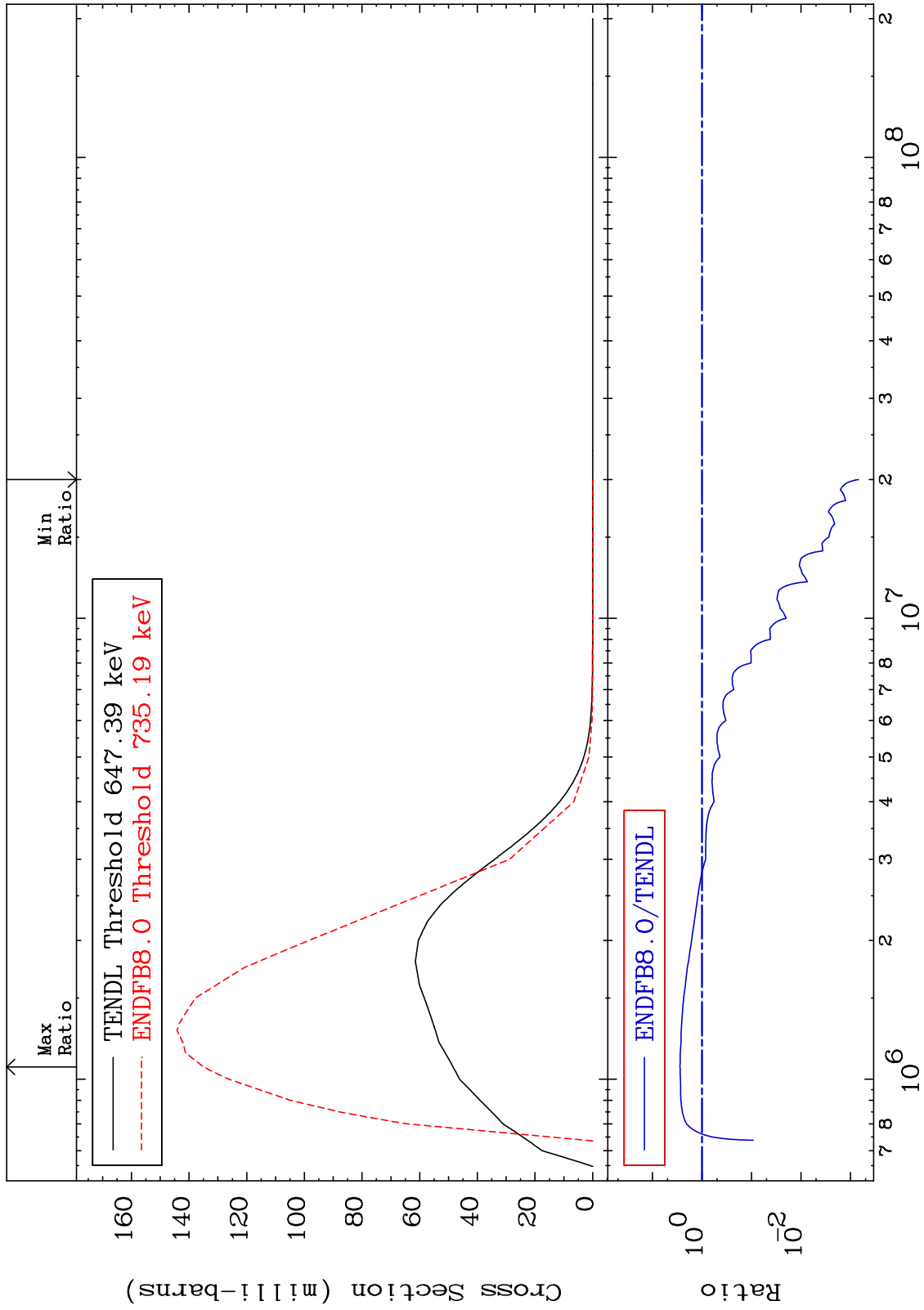
52-Te-125
-99.65 To 55.45 %



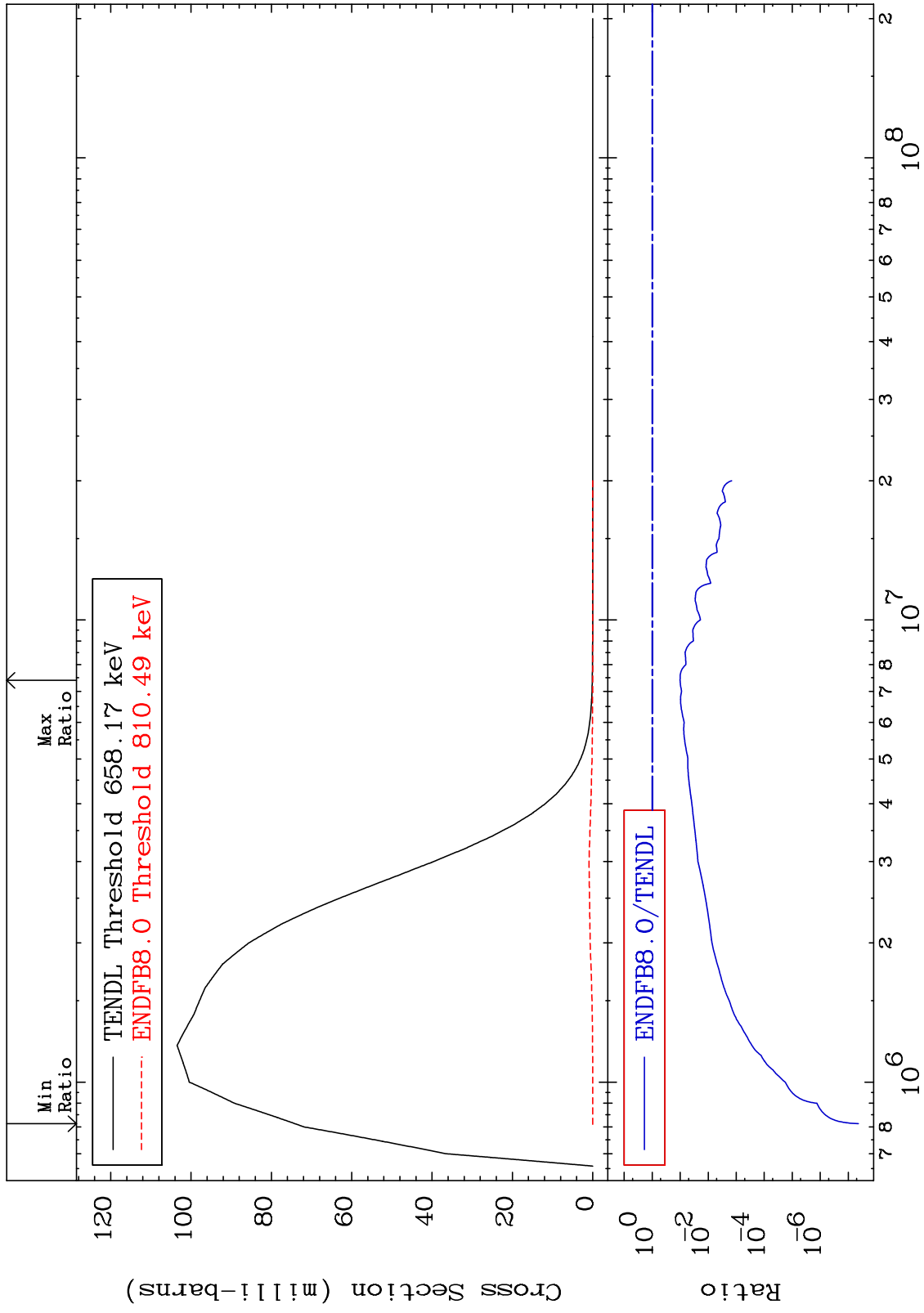
MAT 5240 MT= 59 (n,n') Level Cross Section 52-Te-125 -99.90 To 162.1 %



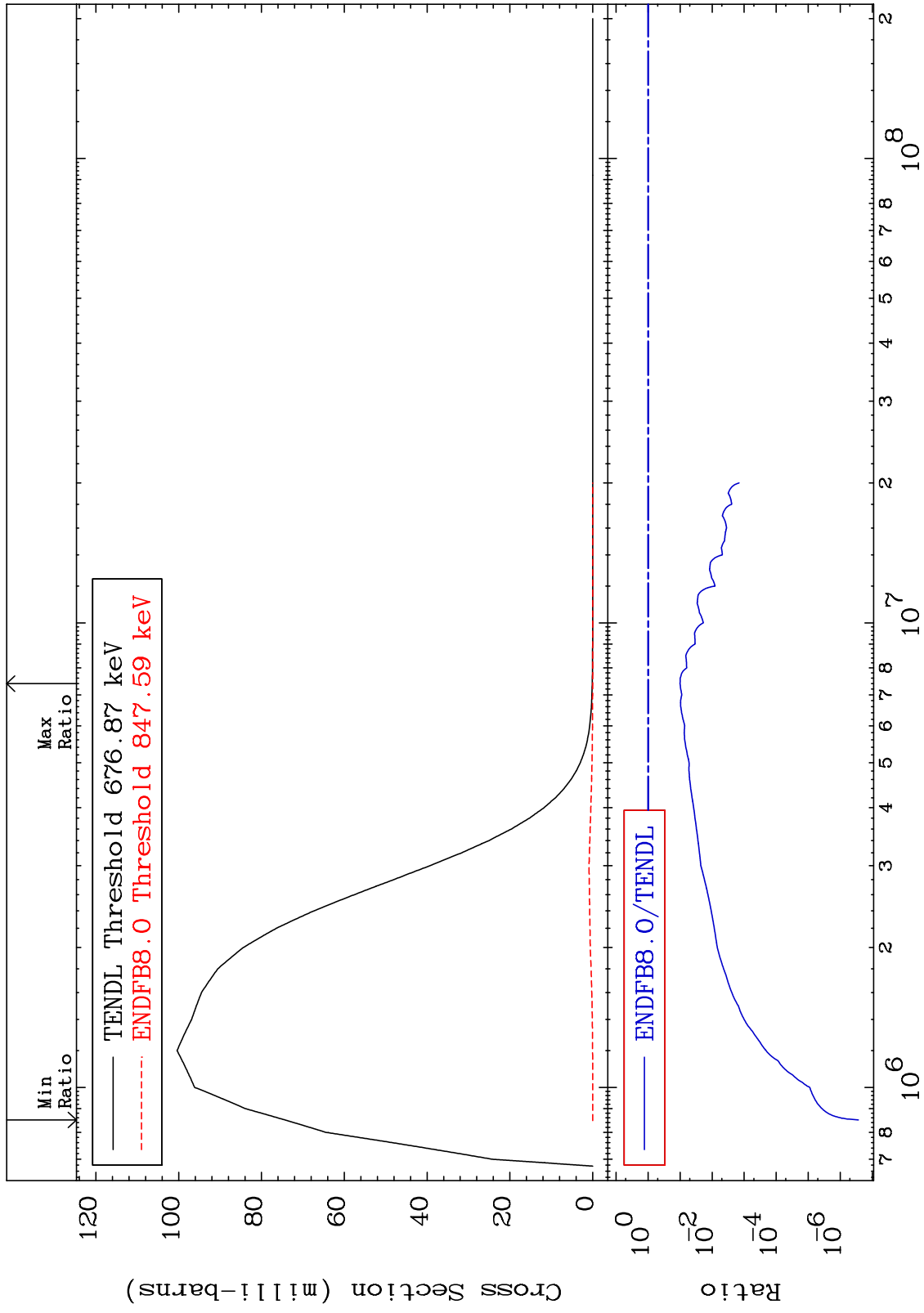
MAT 5240 MT= 60 (n,n') Level Cross Section 52-Te-125 -99.93 To 178.8 %



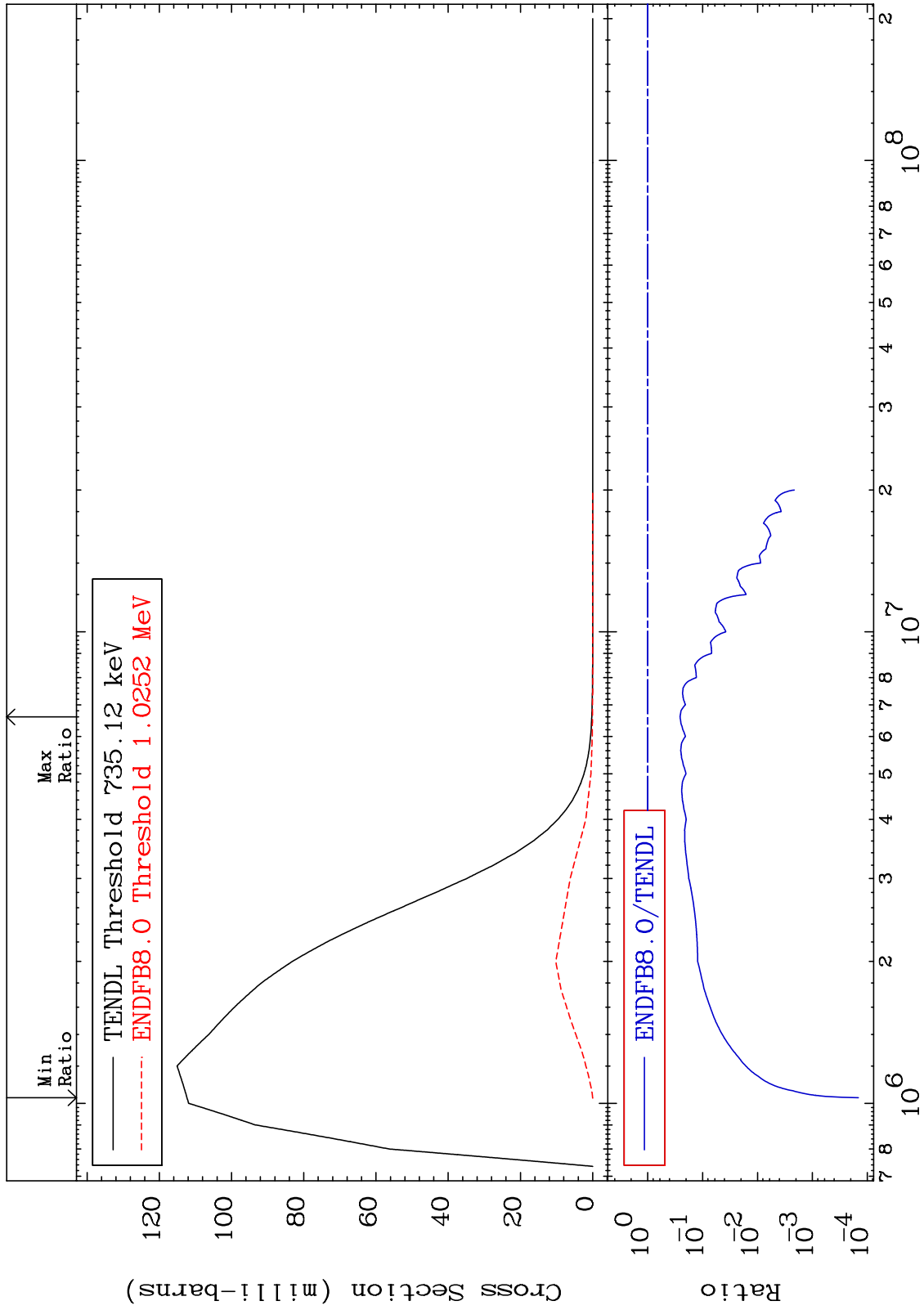
MAT 5240 MT= 61 (n,n') Level Cross Section 52-Te-125
 -100.0 To -89.85%



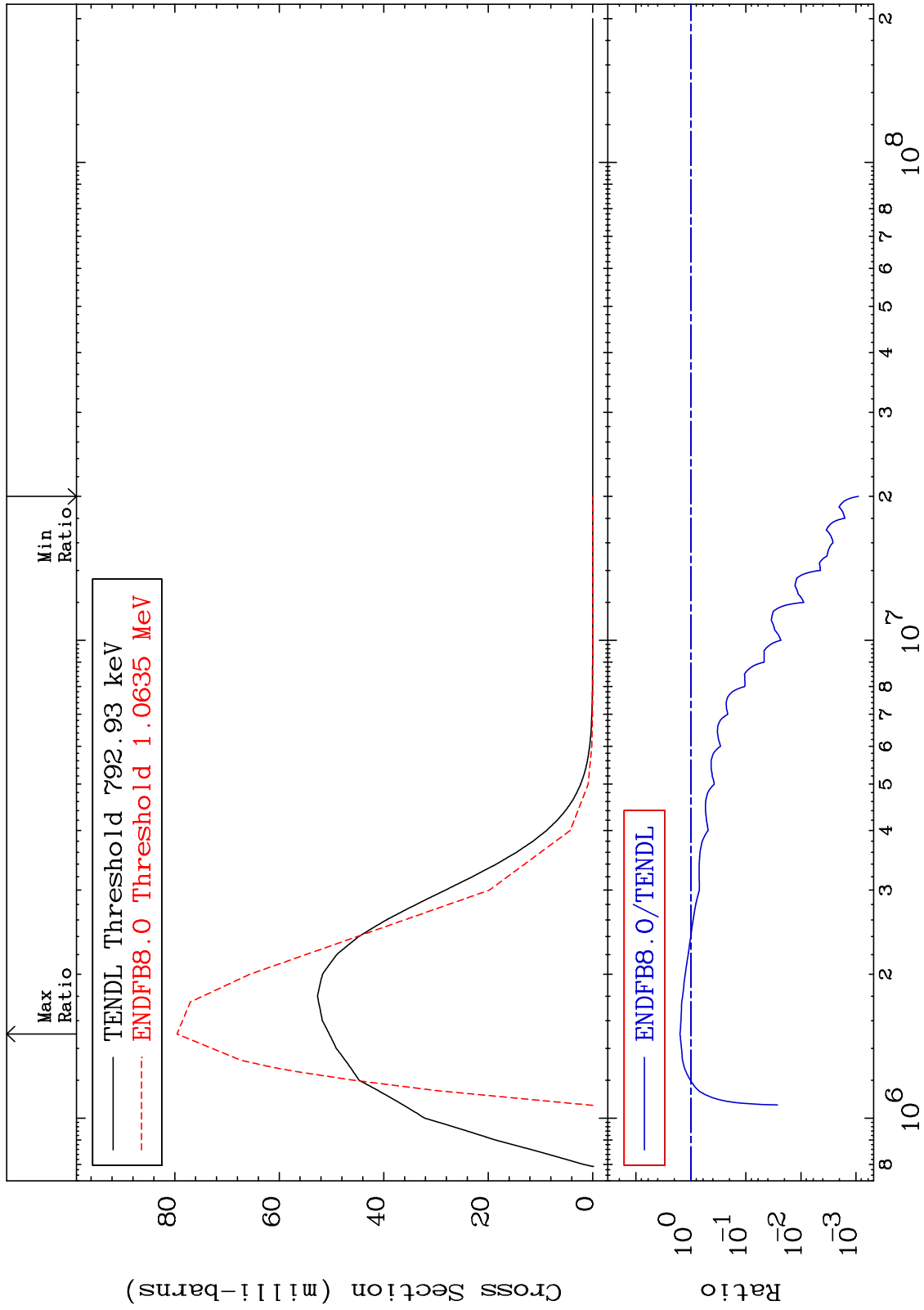
MAT 5240 MT= 62 (n,n') Level Cross Section 52-Te-125
 -100.0 To -89.92%



MAT 5240 MT= 63 (n,n') Level Cross Section 52-Te-125
 -99.99 To -74.20%



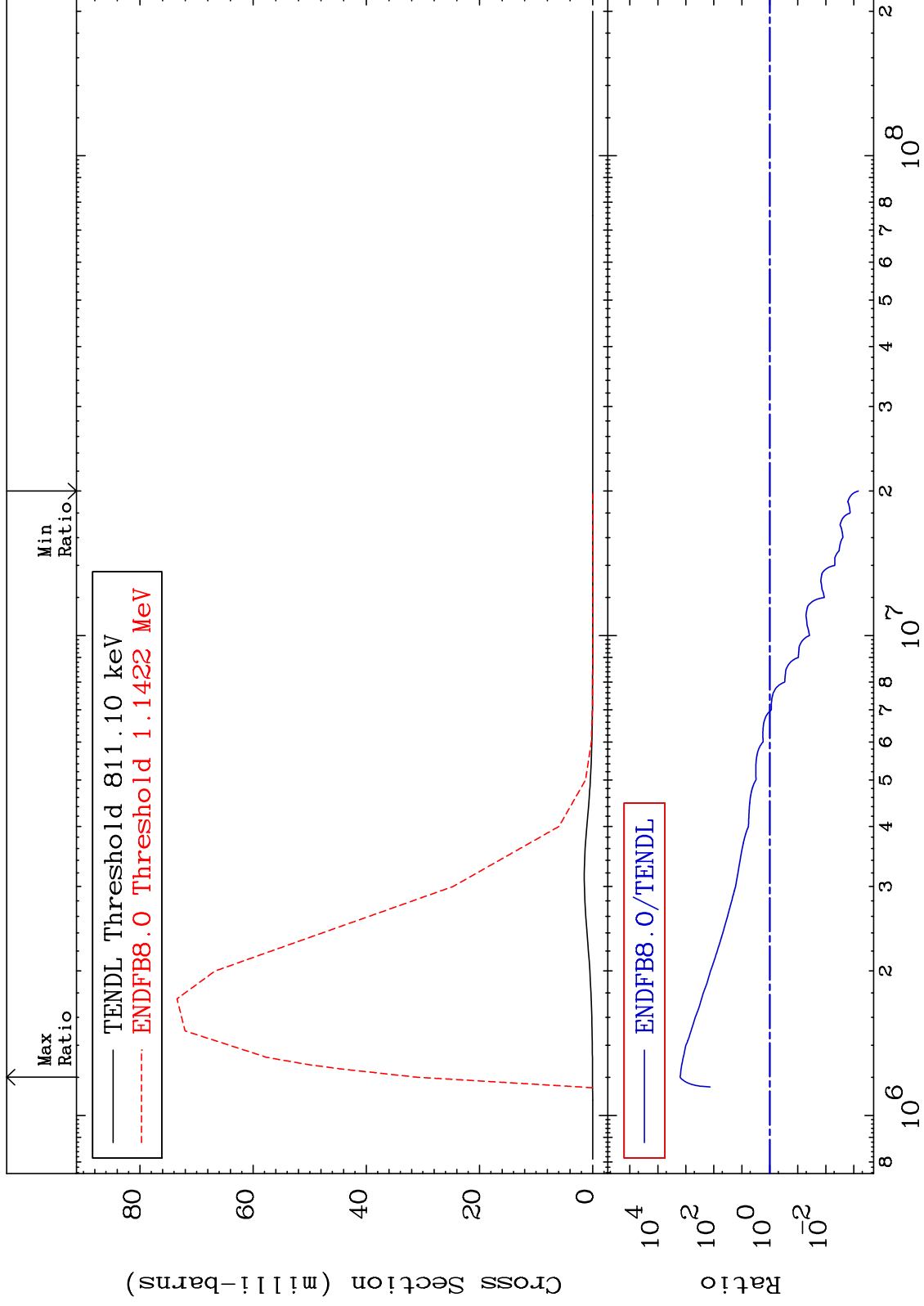
MAT 5240 MT= 64 (n,n') Level Cross Section 52-Te-125
 -99.91 To 57.80 %



MAT 5240

MT= 65 (n,n') Level
Cross Section

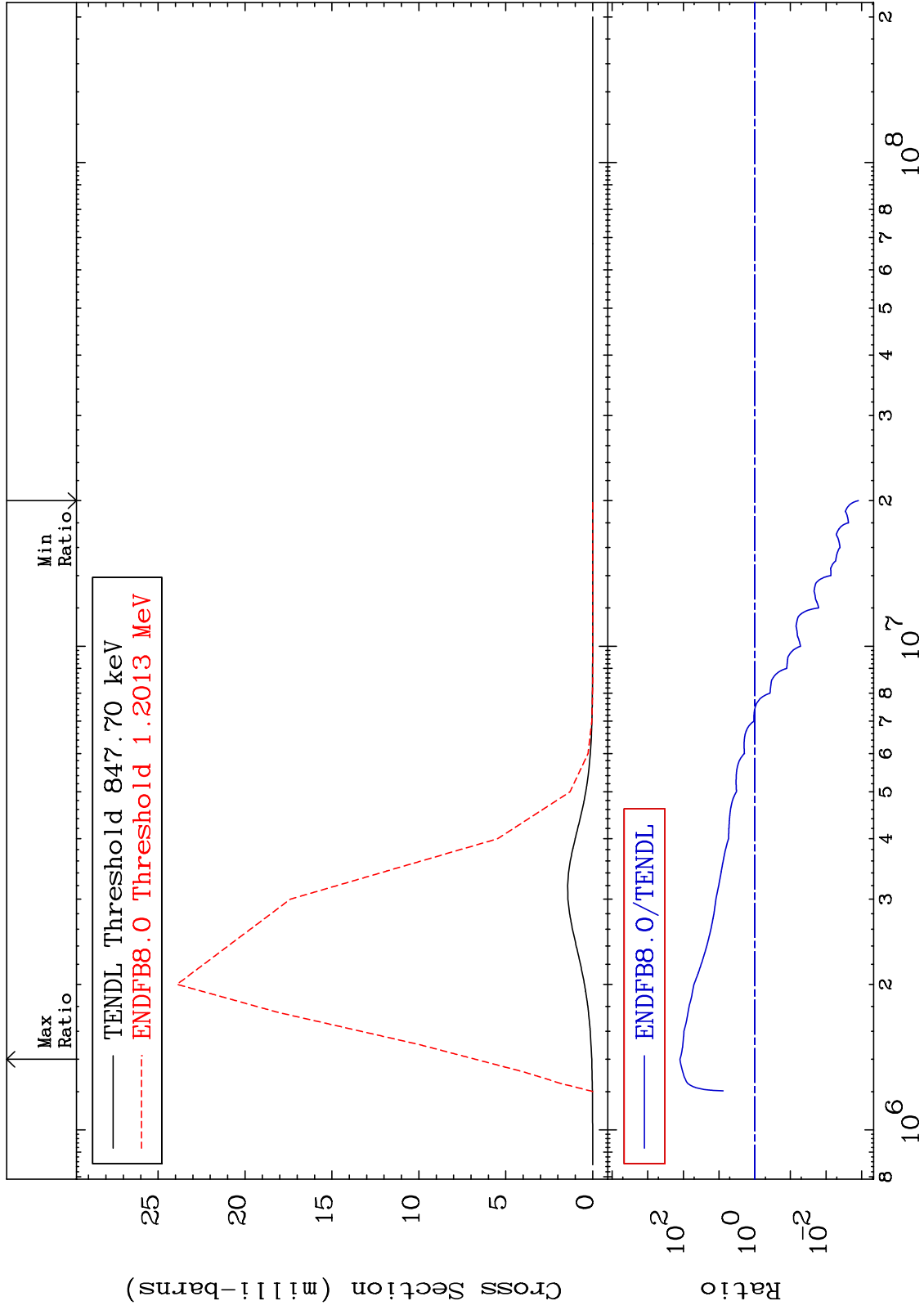
52-Te-125
-99.93 To 9999. %



MAT 5240

MT= 66 (n,n') Level
Cross Section

52-Te-125
-99.88 To 9999. %



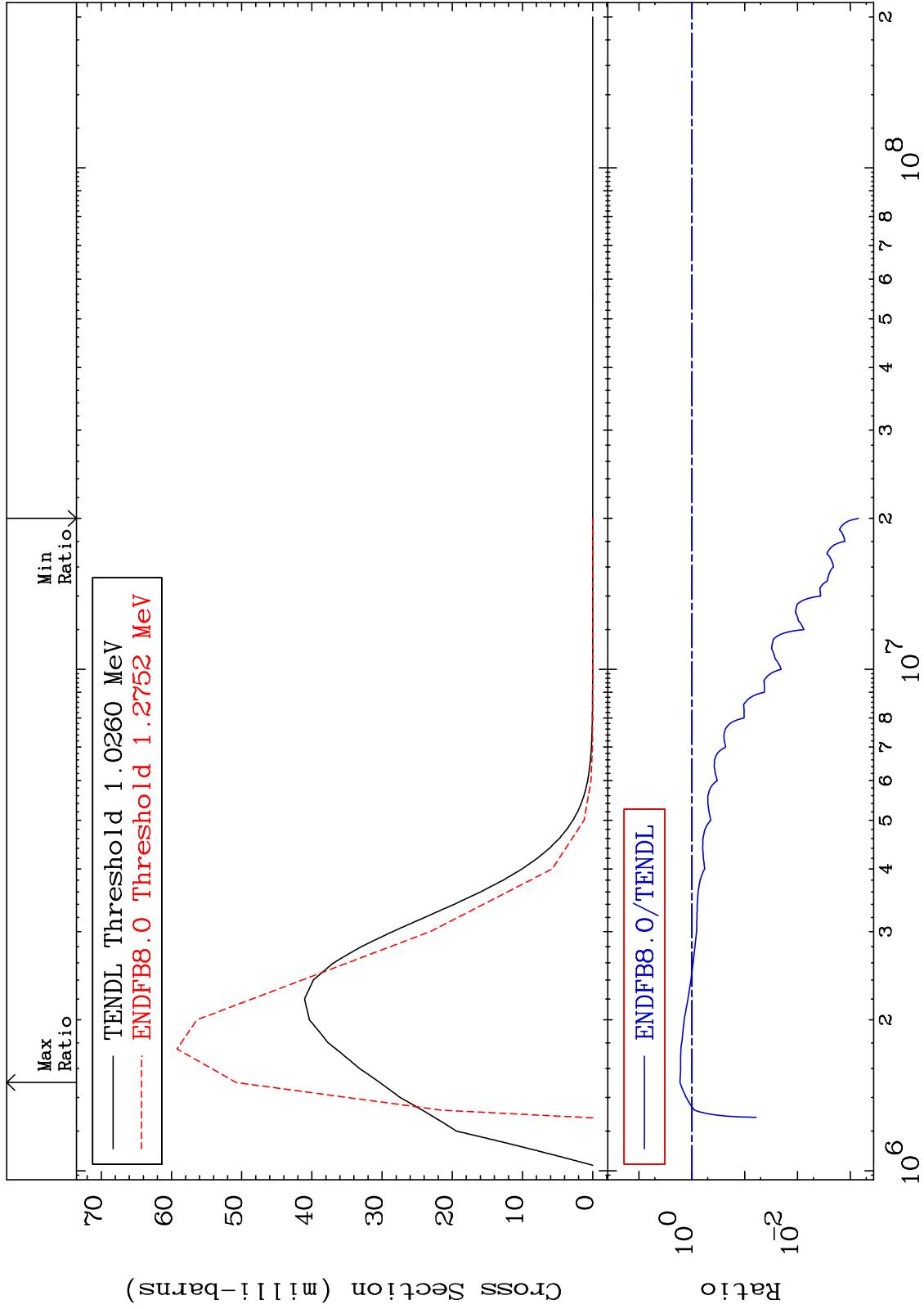
24

52-Te-125

MAT 5240

MT= 67 (n,n') Level
Cross Section

52-Te-125
-99.93 To 67.43 %

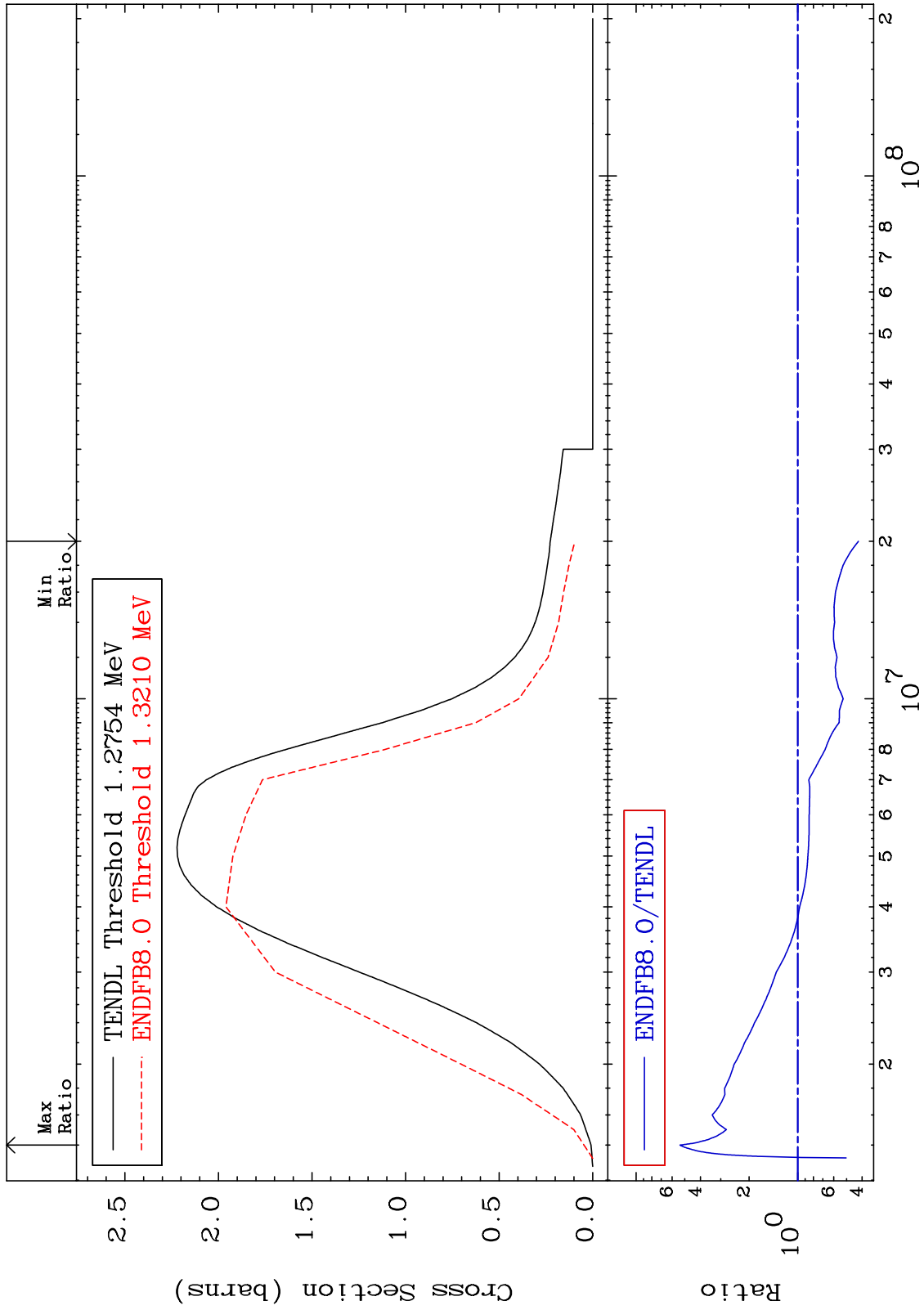


Incident Energy (eV)

52-Te-125

25

MAT 5240 (n, n') Continuum Cross Section 52-Te-125 -57.81 To 435.5 %



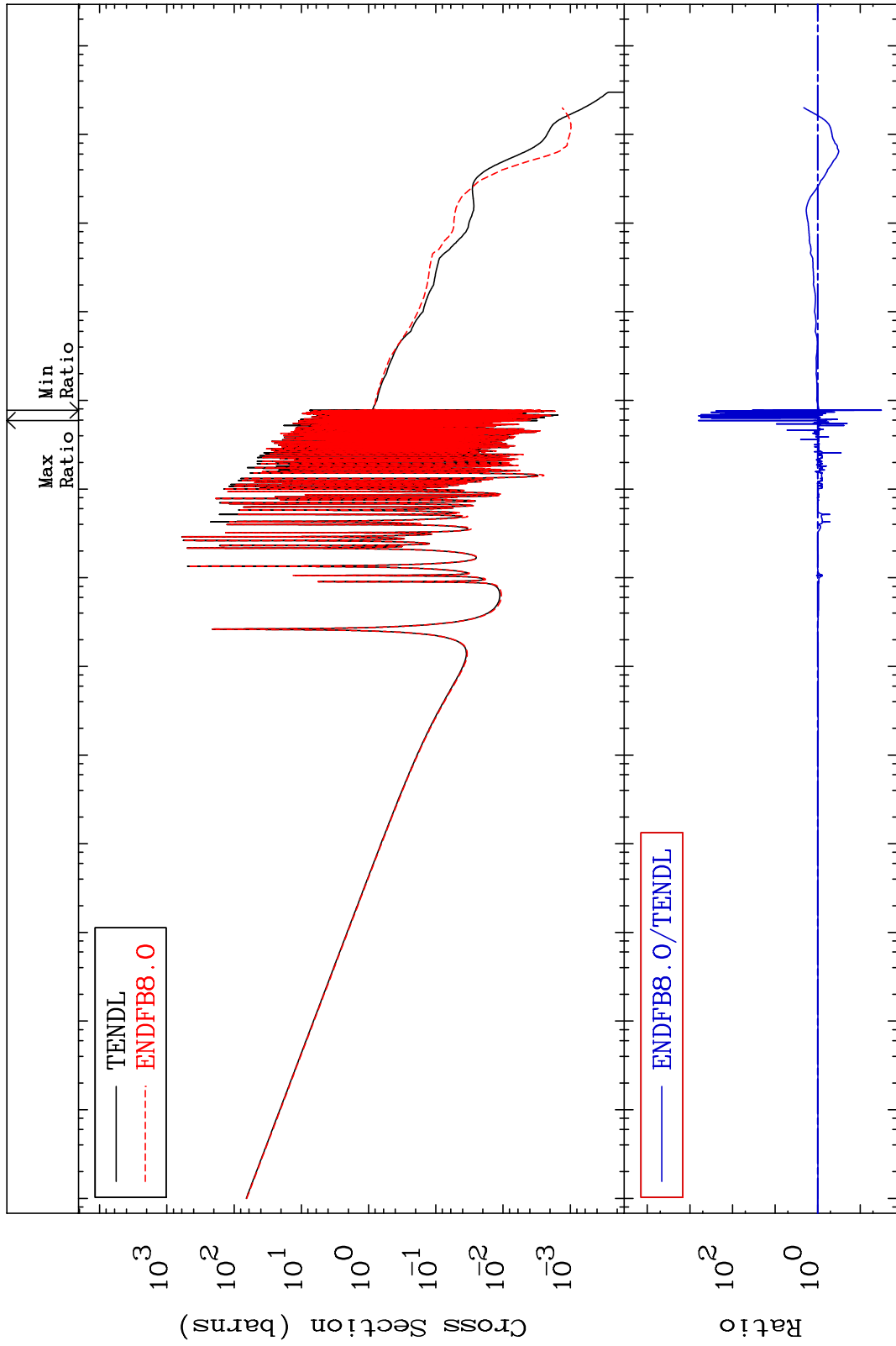
MAT 5240

(n, γ)

52-Te-125

Cross Section

-96.84 To 9999. %



27

Incident Energy (eV)

52-Te-125

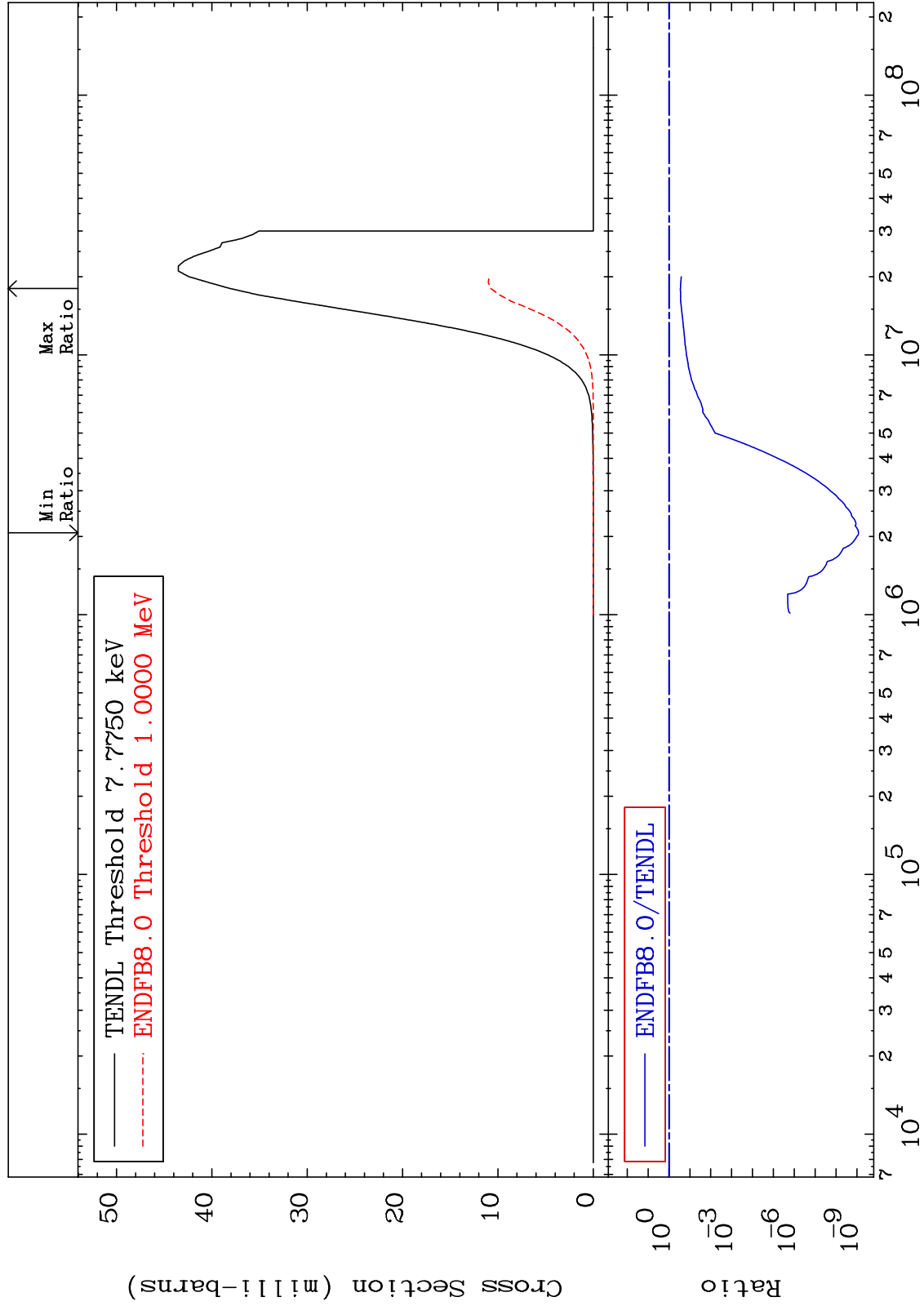
MAT 5240

(n, p)

52-Te-125

Cross Section

-100.0 To -71.77%



28

Incident Energy (eV)

52-Te-125

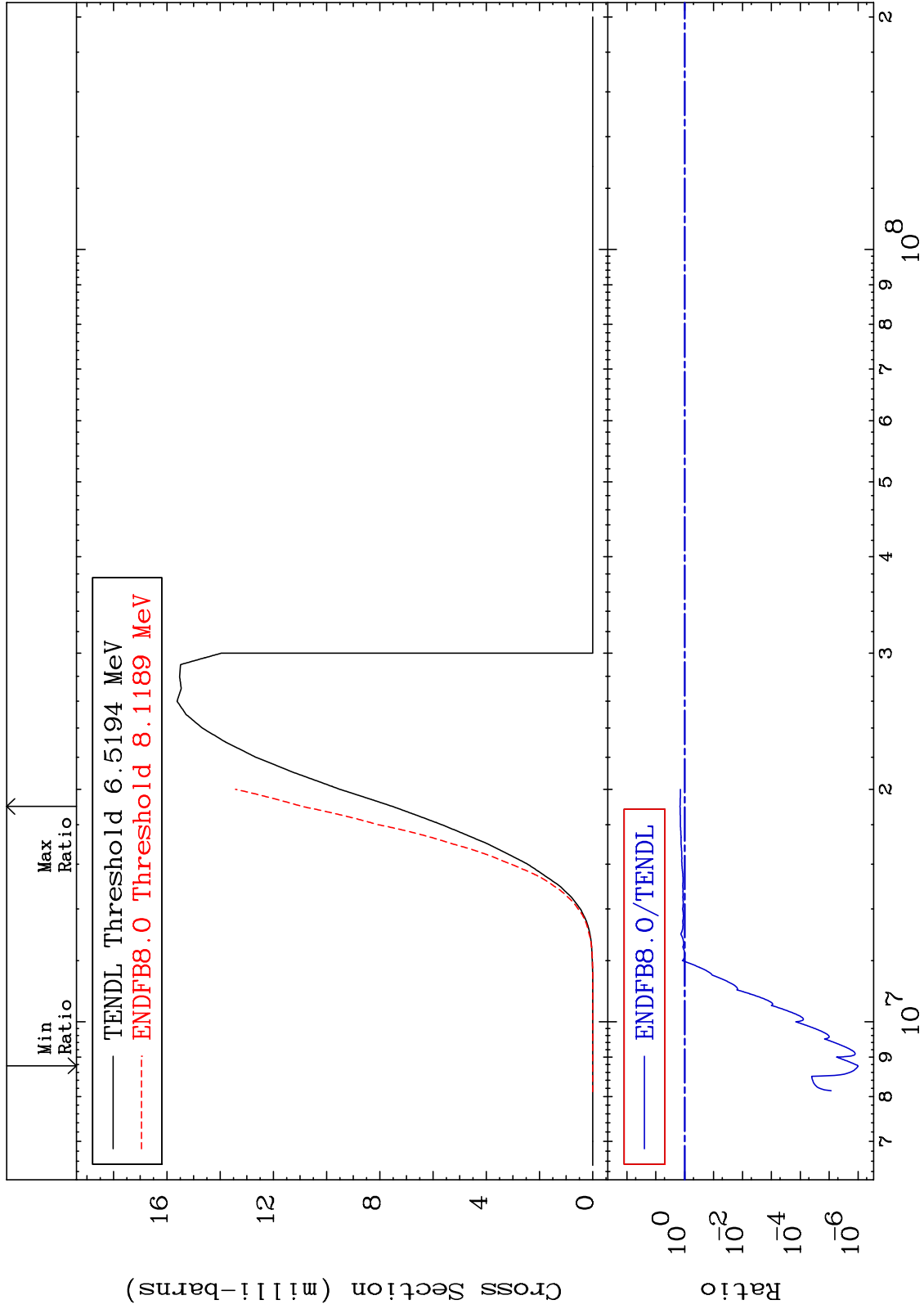
MAT 5240

(n, d)

52-Te-125

Cross Section

-100.0 To 45.22 %



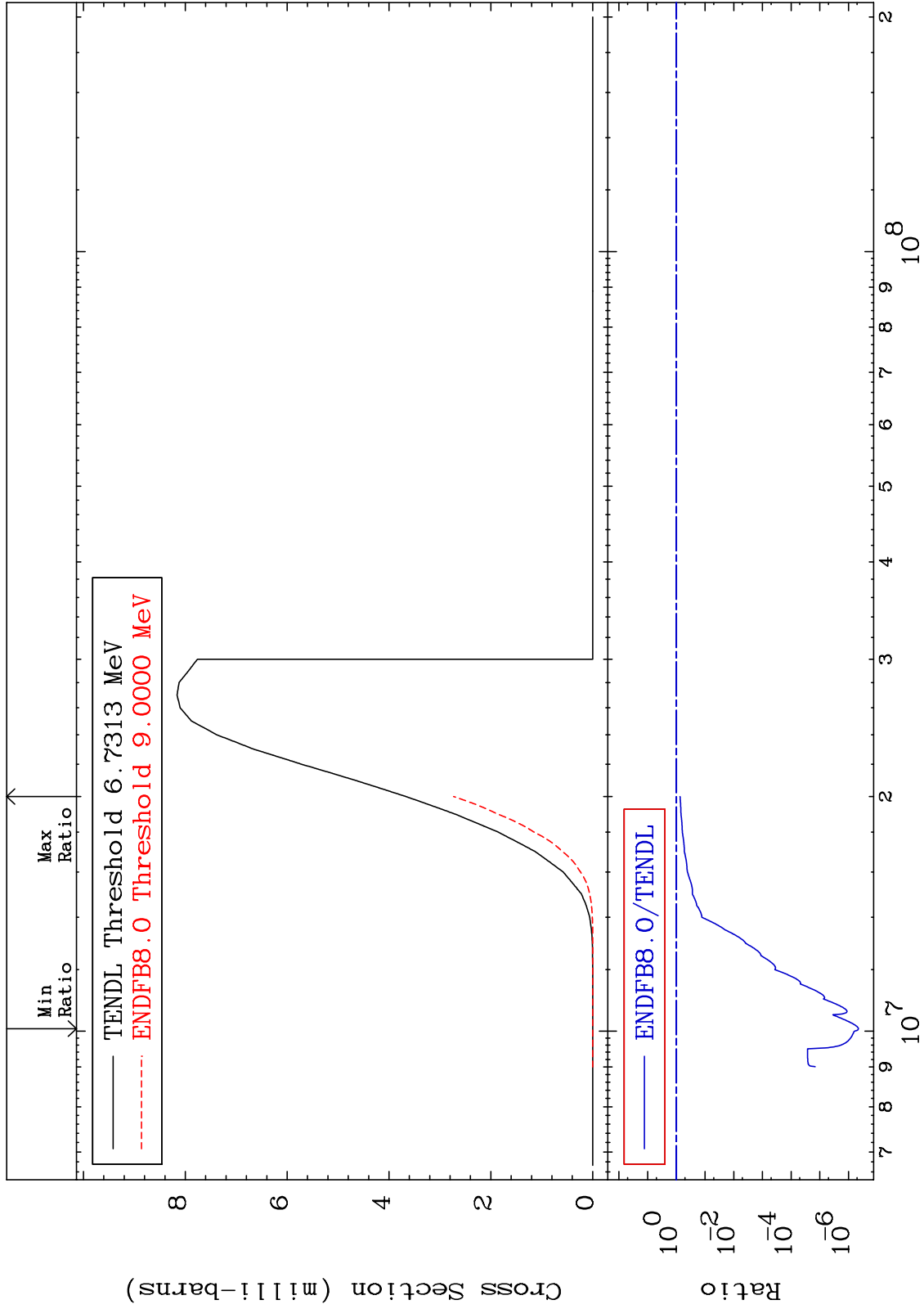
MAT 5240

(n, t)

52-Te-125

Cross Section

-100.0 To -25.49%



30

Incident Energy (eV)

52-Te-125

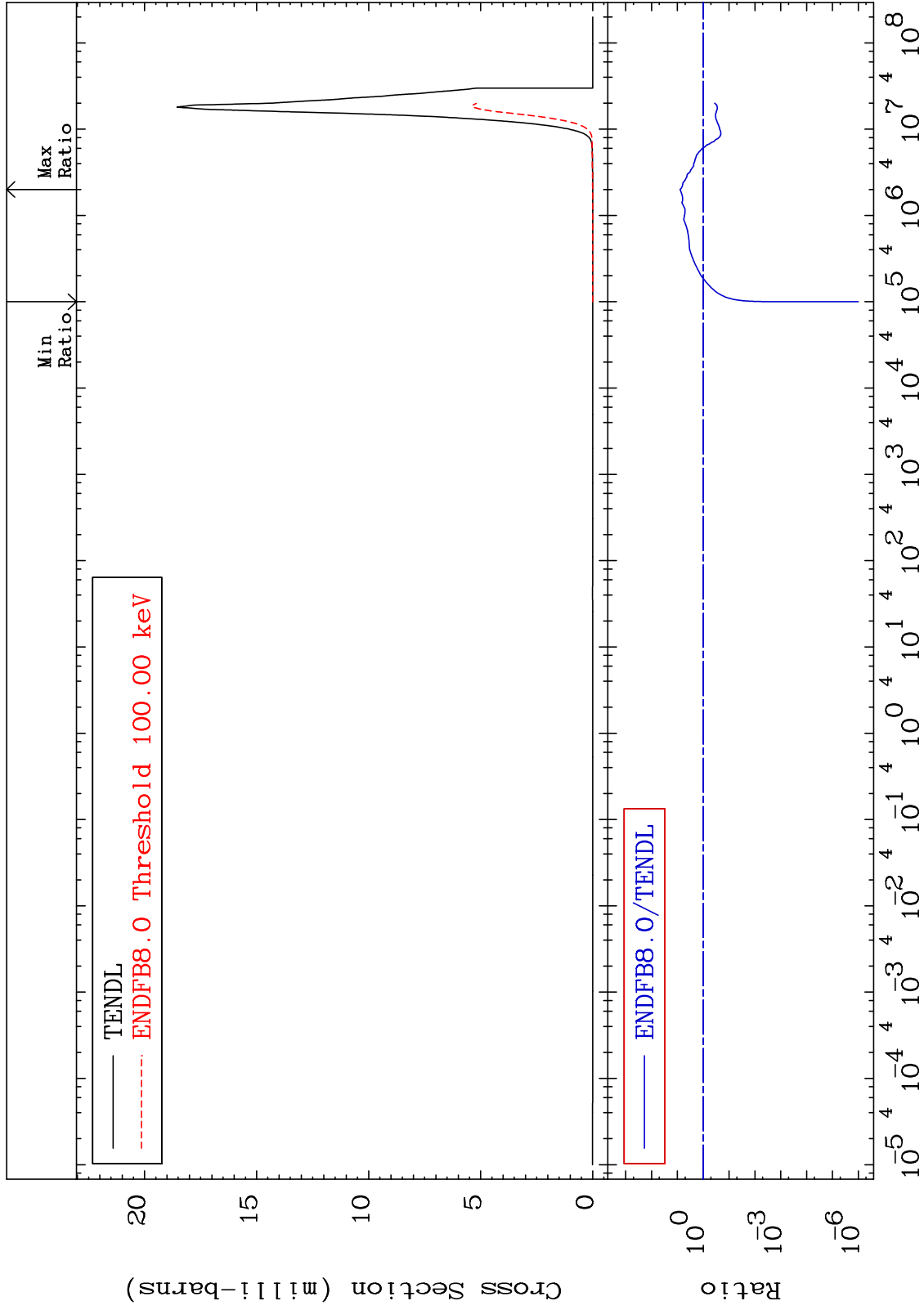
MAT 5240

(n, α)

52-Te-125

Cross Section

-100.0 To 690.3 %



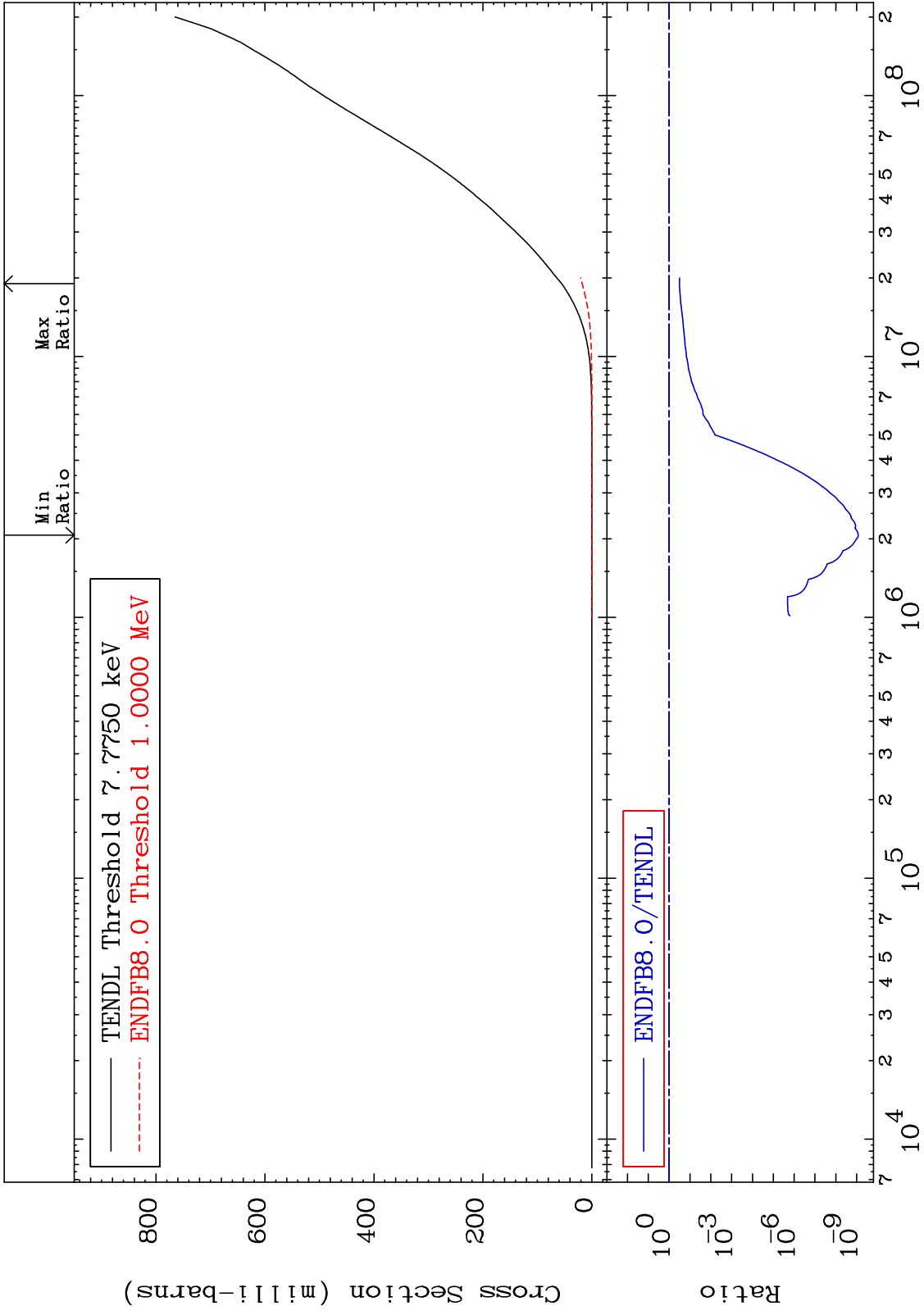
— TENDL
- - - ENDFB8.0 Threshold 100.00 keV

— ENDFB8.0/TENDL

MAT 5240

Hydrogen Production
Cross Section

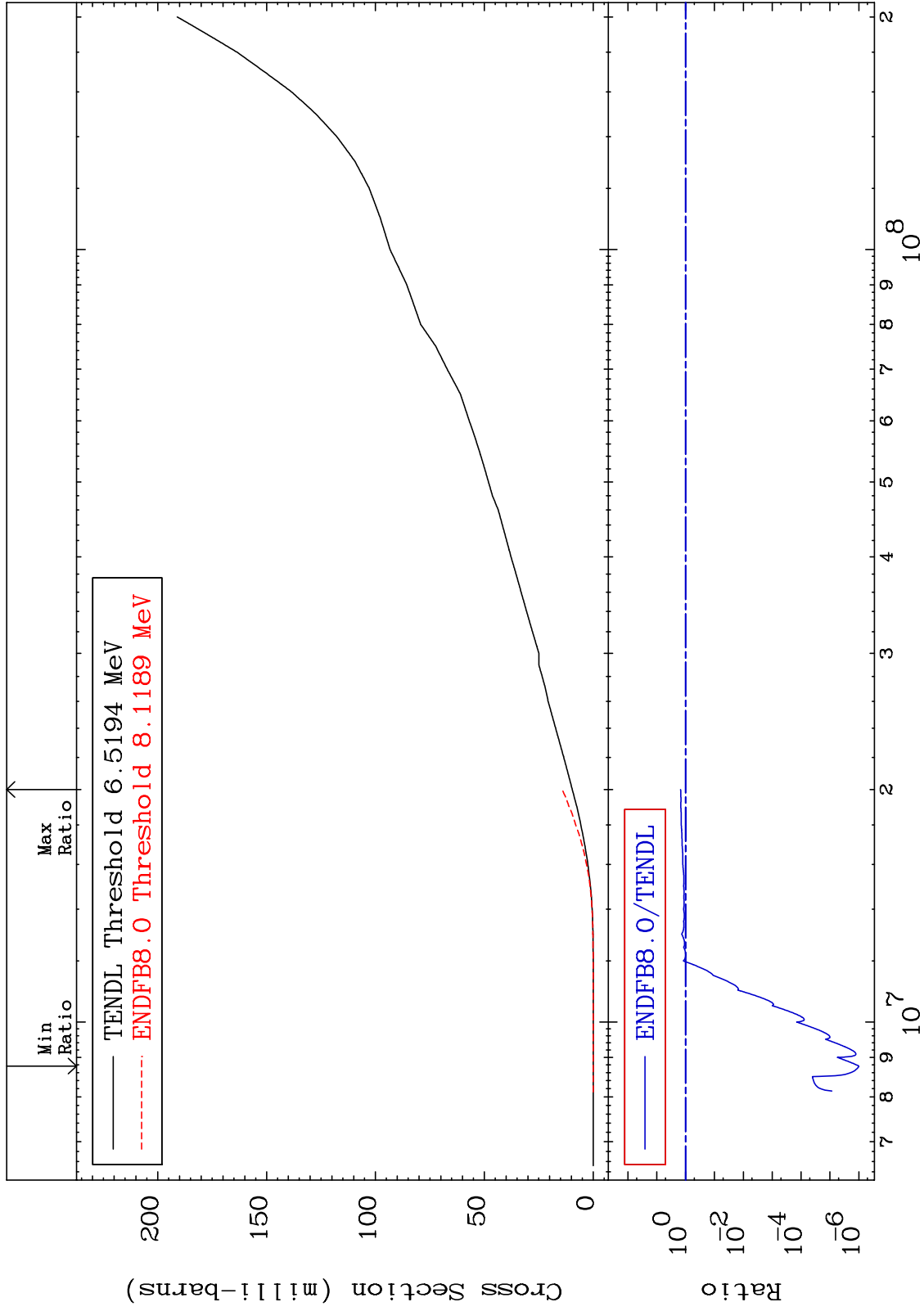
52-Te-125
-100.0 To -67.91%



MAT 5240

Deuterium Production
Cross Section

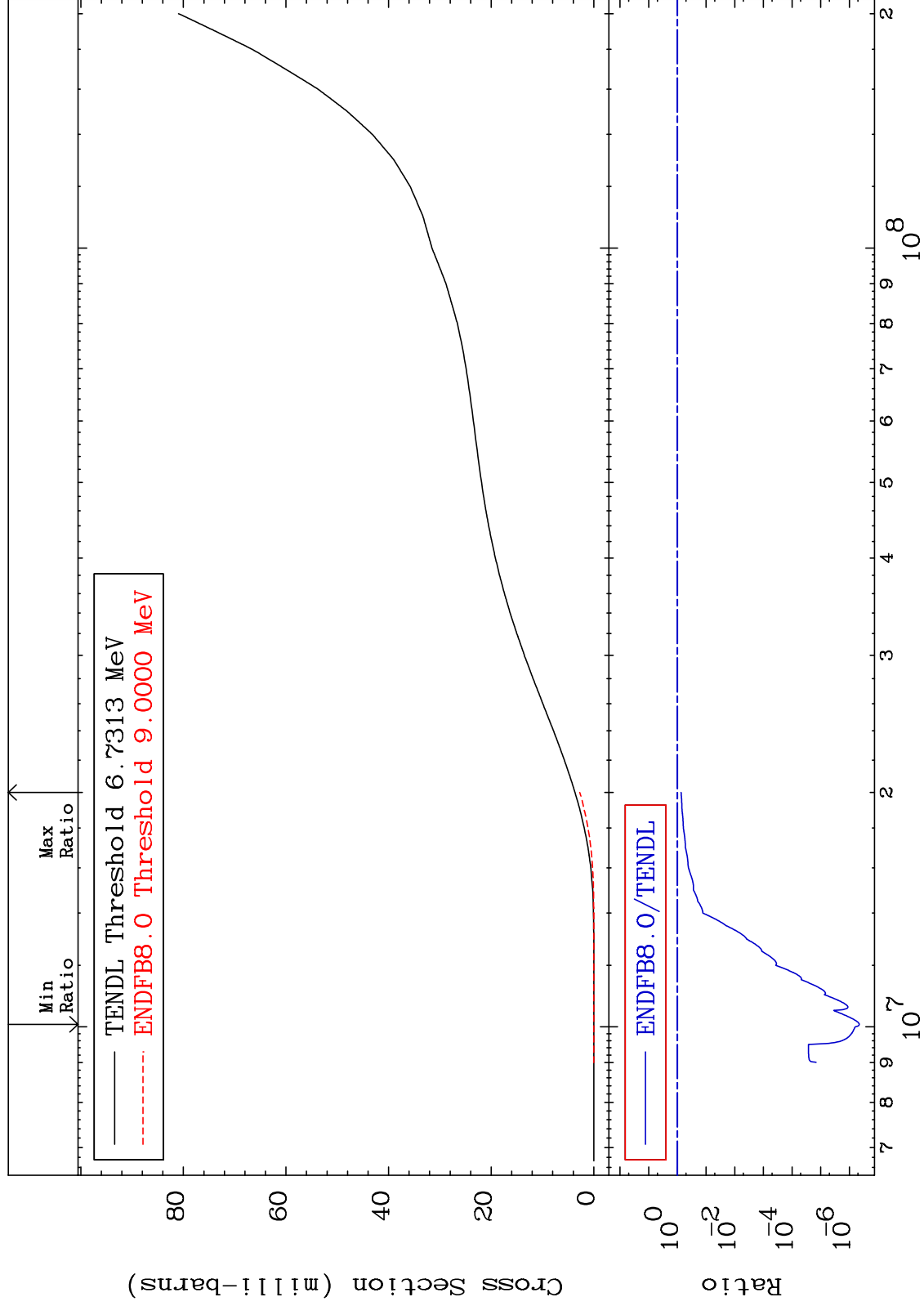
52-Te-125
-100.0 To 49.23 %



MAT 5240

Tritium Production
Cross Section

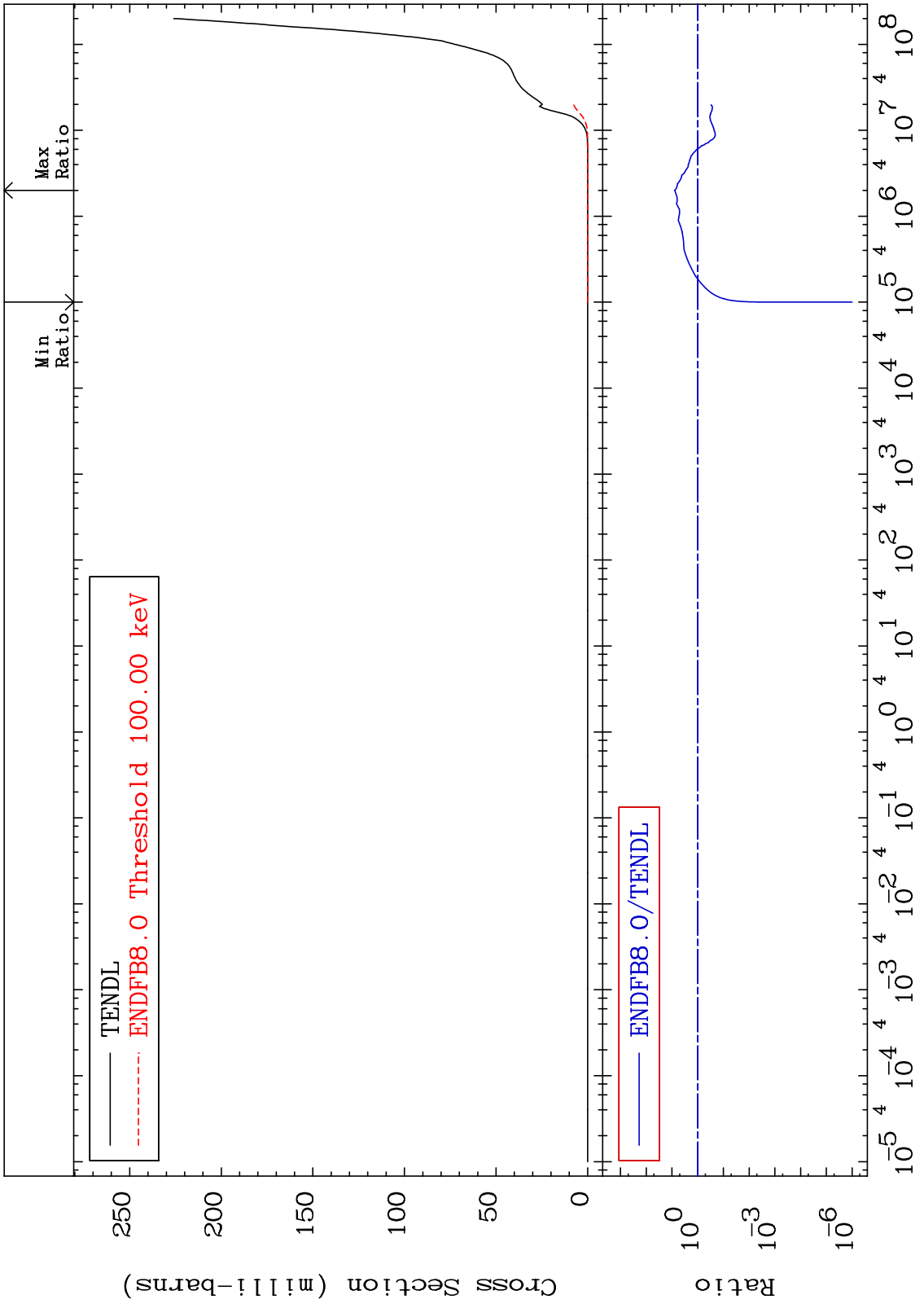
52-Te-125
-100.0 To -25.50%



MAT 5240

He-4 Production
Cross Section

52-Te-125
-100.0 To 690.3 %



35

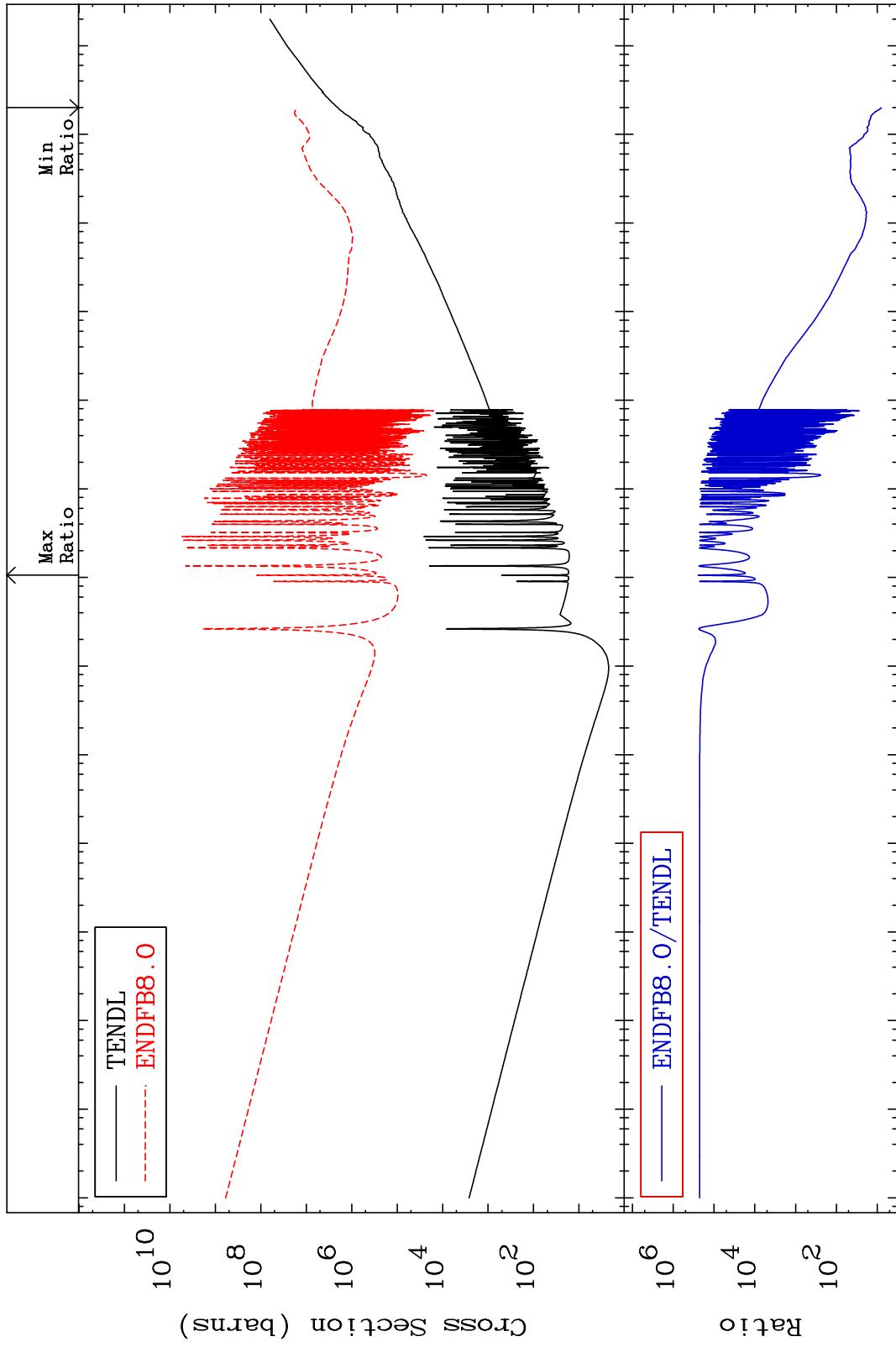
Incident Energy (eV)

52-Te-125

MAT 5240

Kerma total (eV-barns)
Cross Section

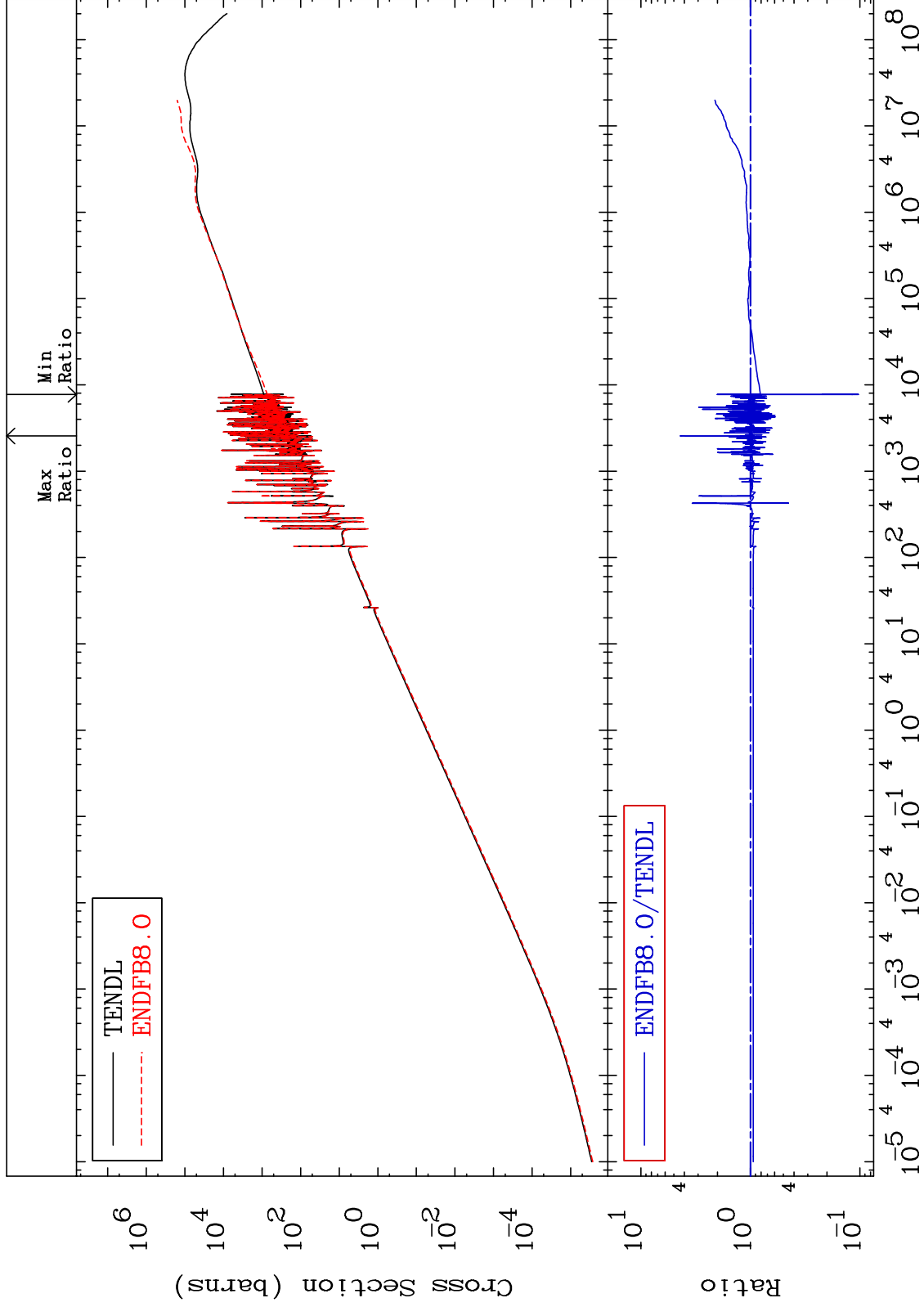
52-Te-125
681.3 To 9999. %



MAT 5240

Kerma elastic
Cross Section

52-Te-125
-89.68 To 338.7 %



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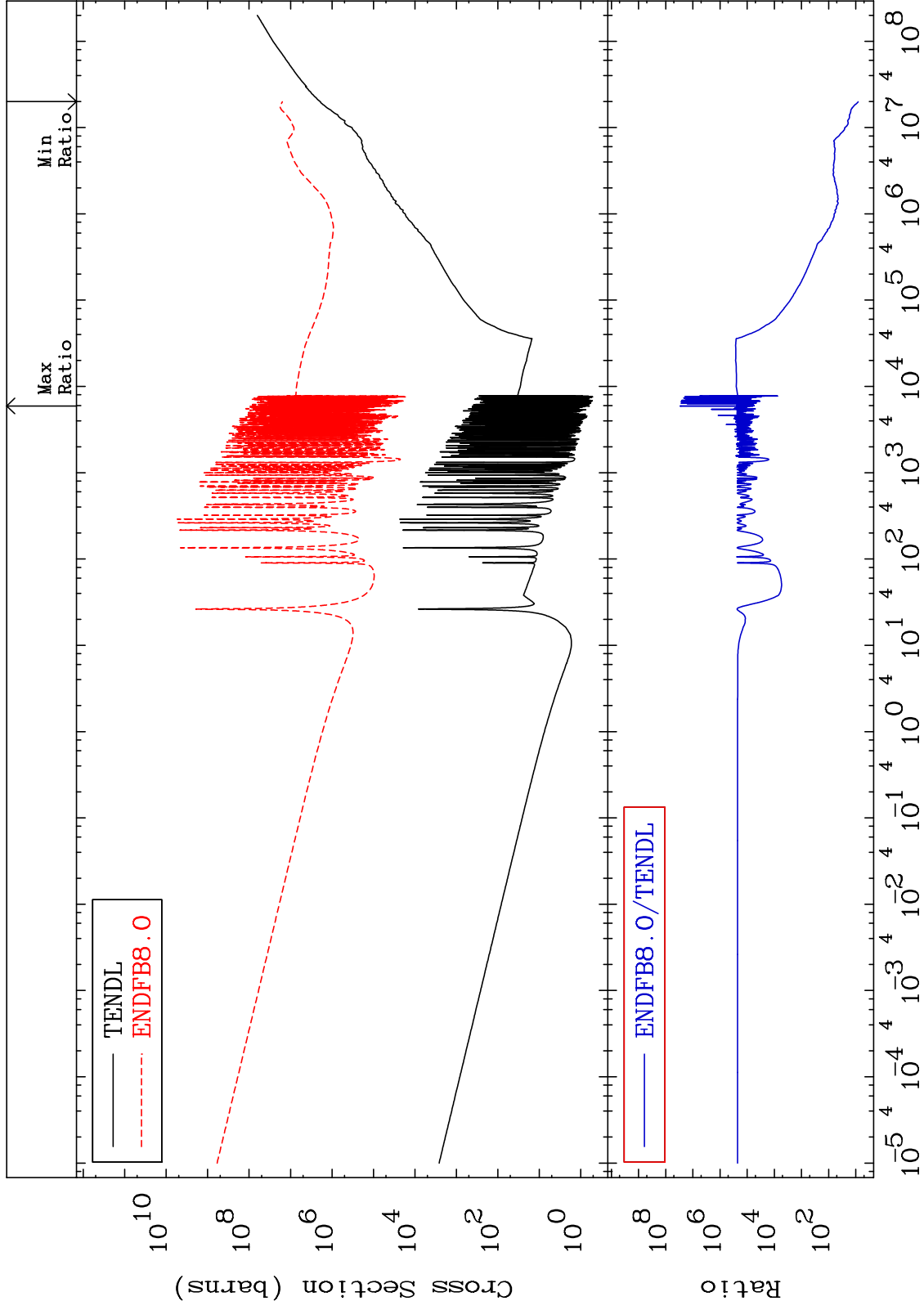
Incident Energy (eV)

52-Te-125

MAT 5240

Kerma non-elastic (all but mt2)
Cross Section

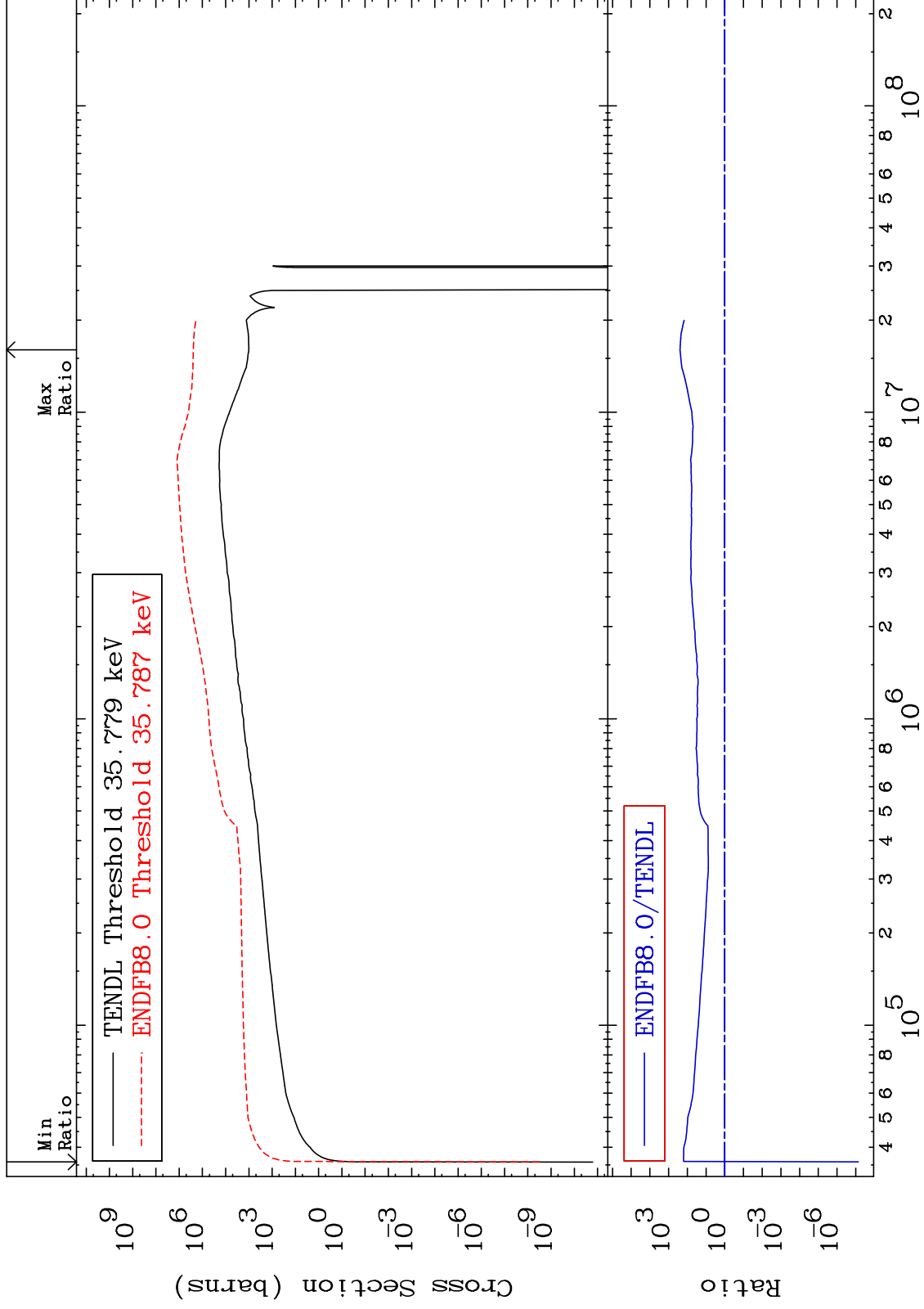
52-Te-125
703.4 To 9999. %



MAT 5240

Kerma inelastic (mt51-91)
Cross Section

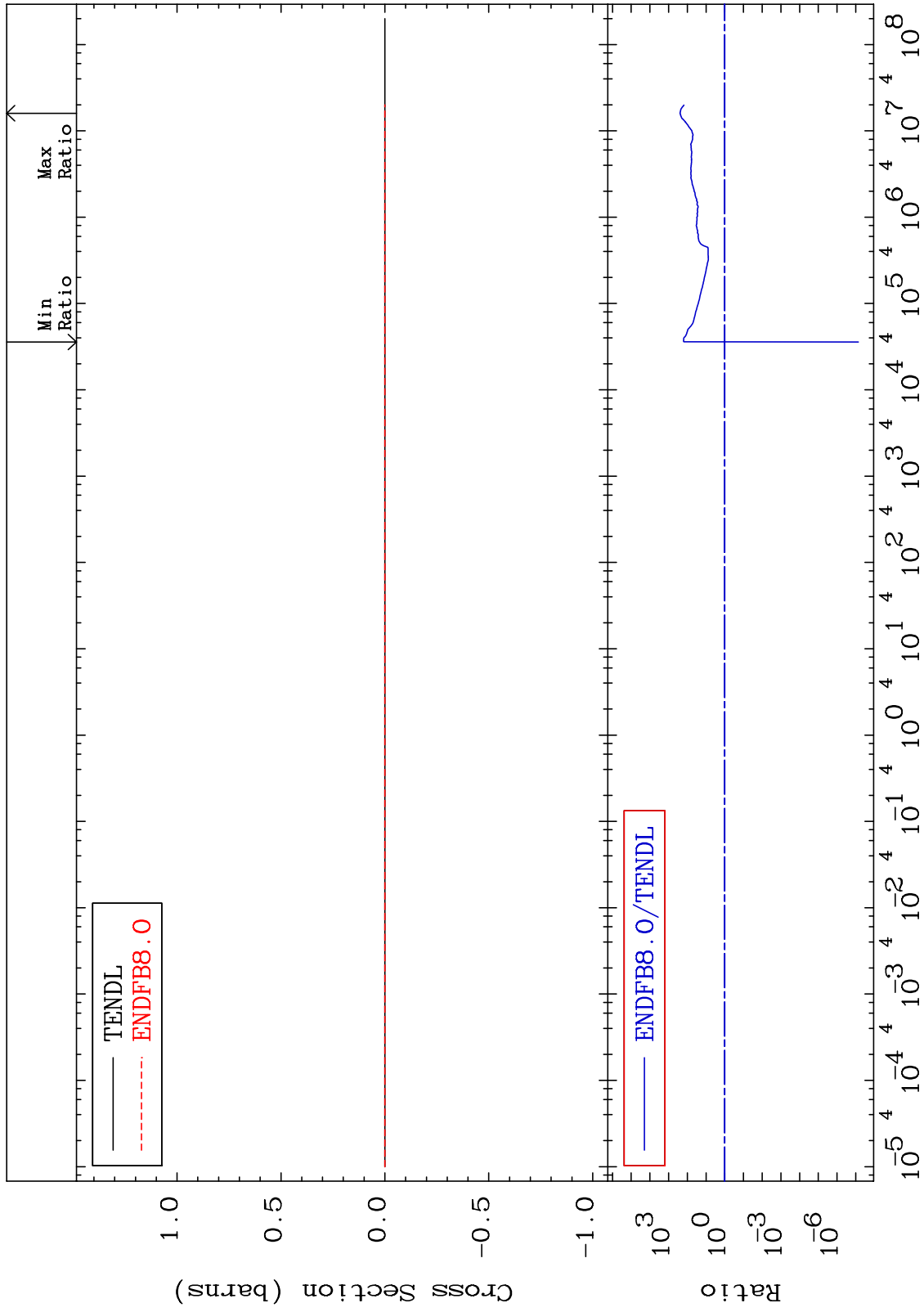
52-Te-125
-100.0 To 9999. %



MAT 5240

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

52-Te-125
-100.0 To 9999. %



40

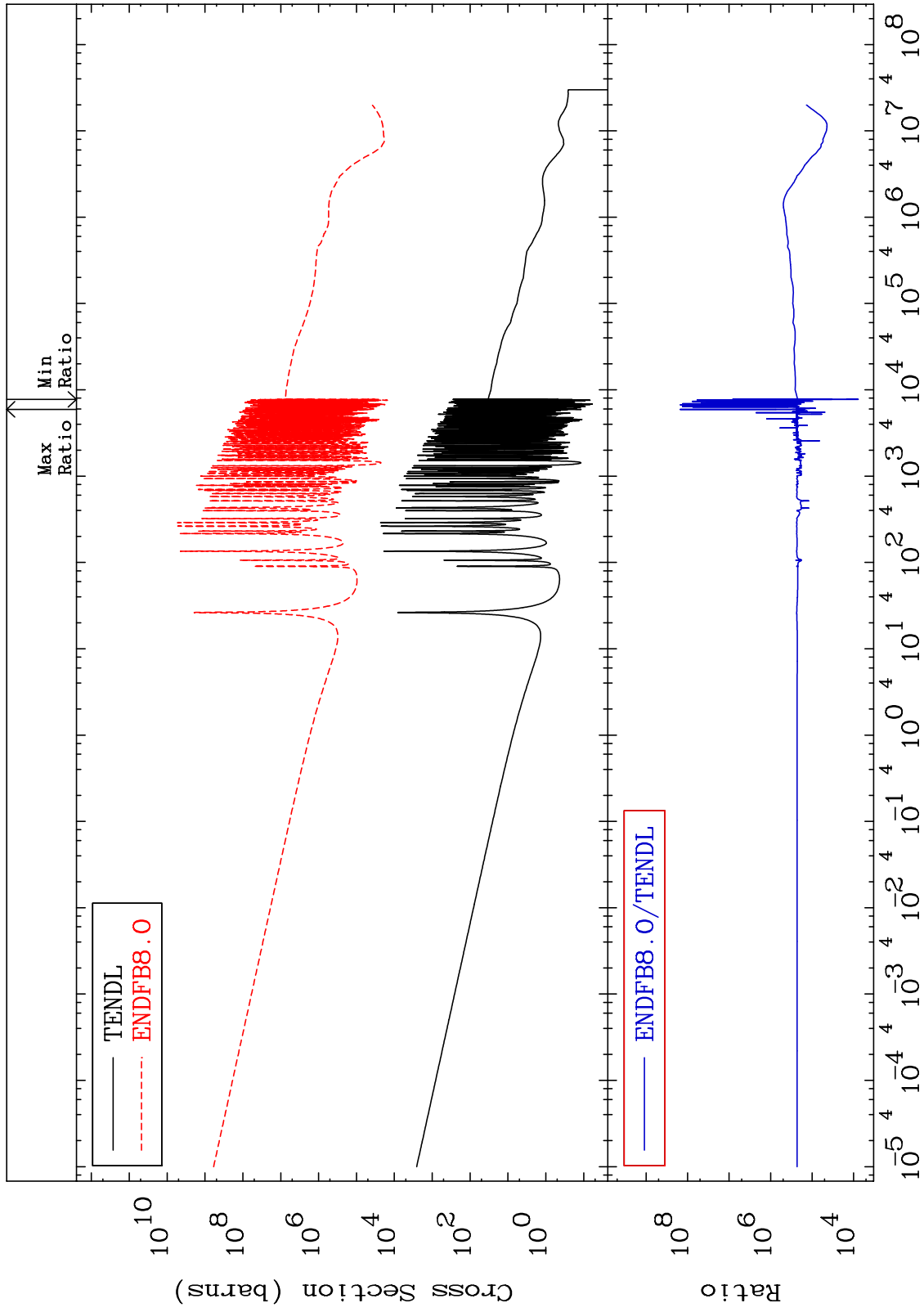
Incident Energy (eV)

52-Te-125

MAT 5240

Kerma capture (mt102)
Cross Section

52-Te-125
9999. To 9999. %



41

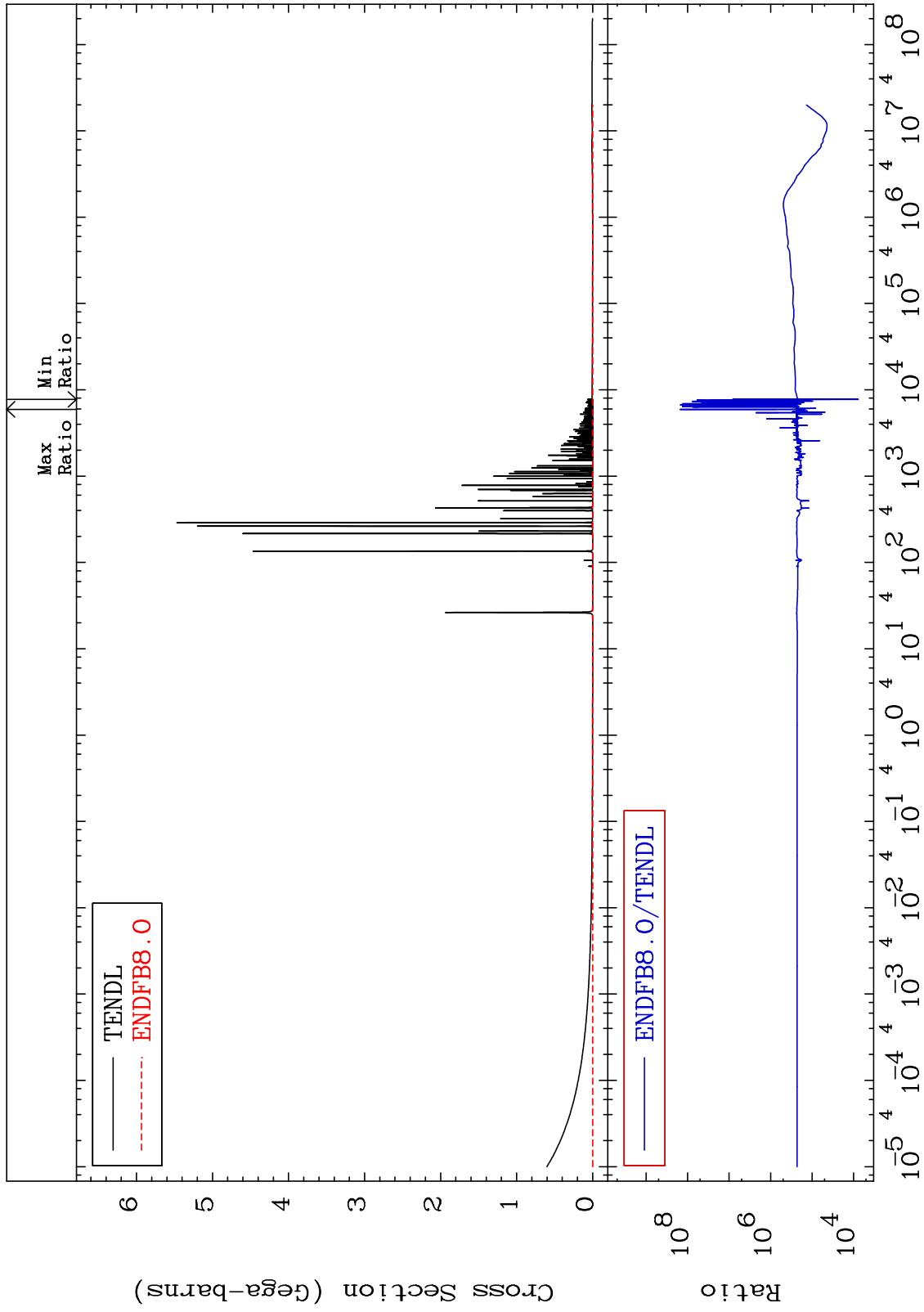
Incident Energy (eV)

52-Te-125

MAT 5240

Total photon (eV-barns)
Cross Section

52-Te-125
9999. To 9999. %



42

Incident Energy (eV)

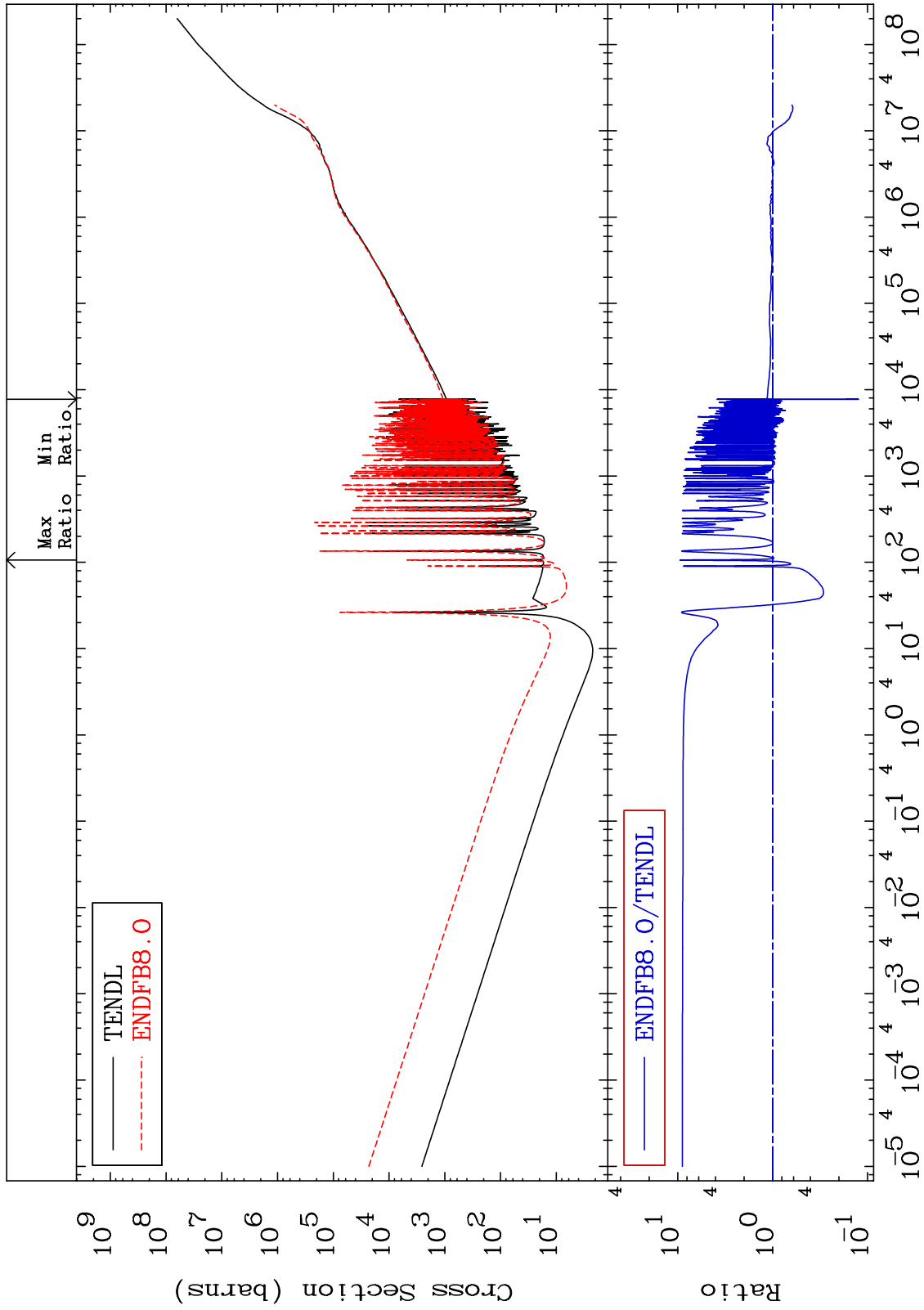
52-Te-125

MAT 5240

Total kinematic kerma (high limit)
Cross Section

52-Te-125

-87.53 To 845.6 %



43

Incident Energy (eV)

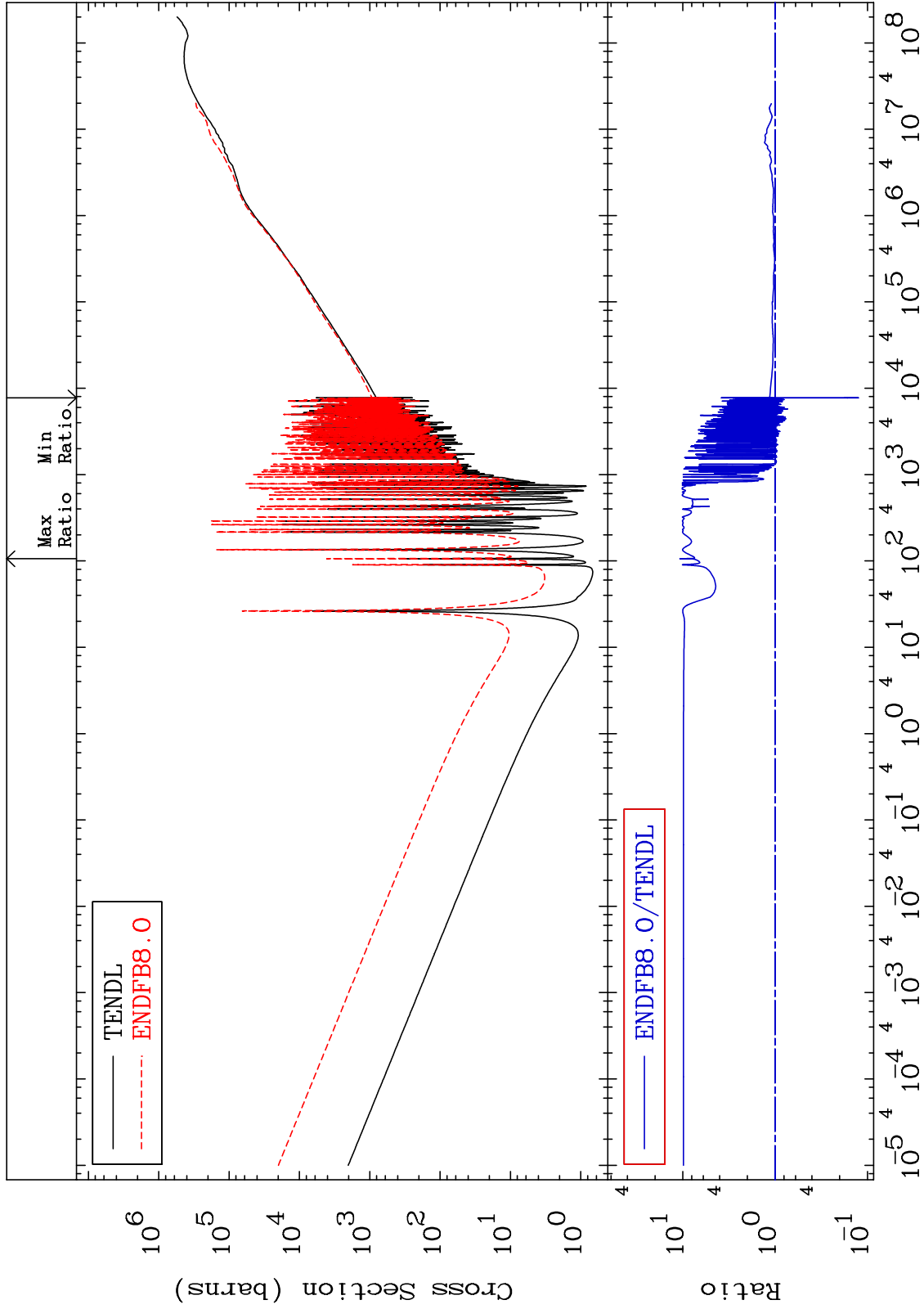
52-Te-125

MAT 5240

Dpa total (eV-barns)

52-Te-125

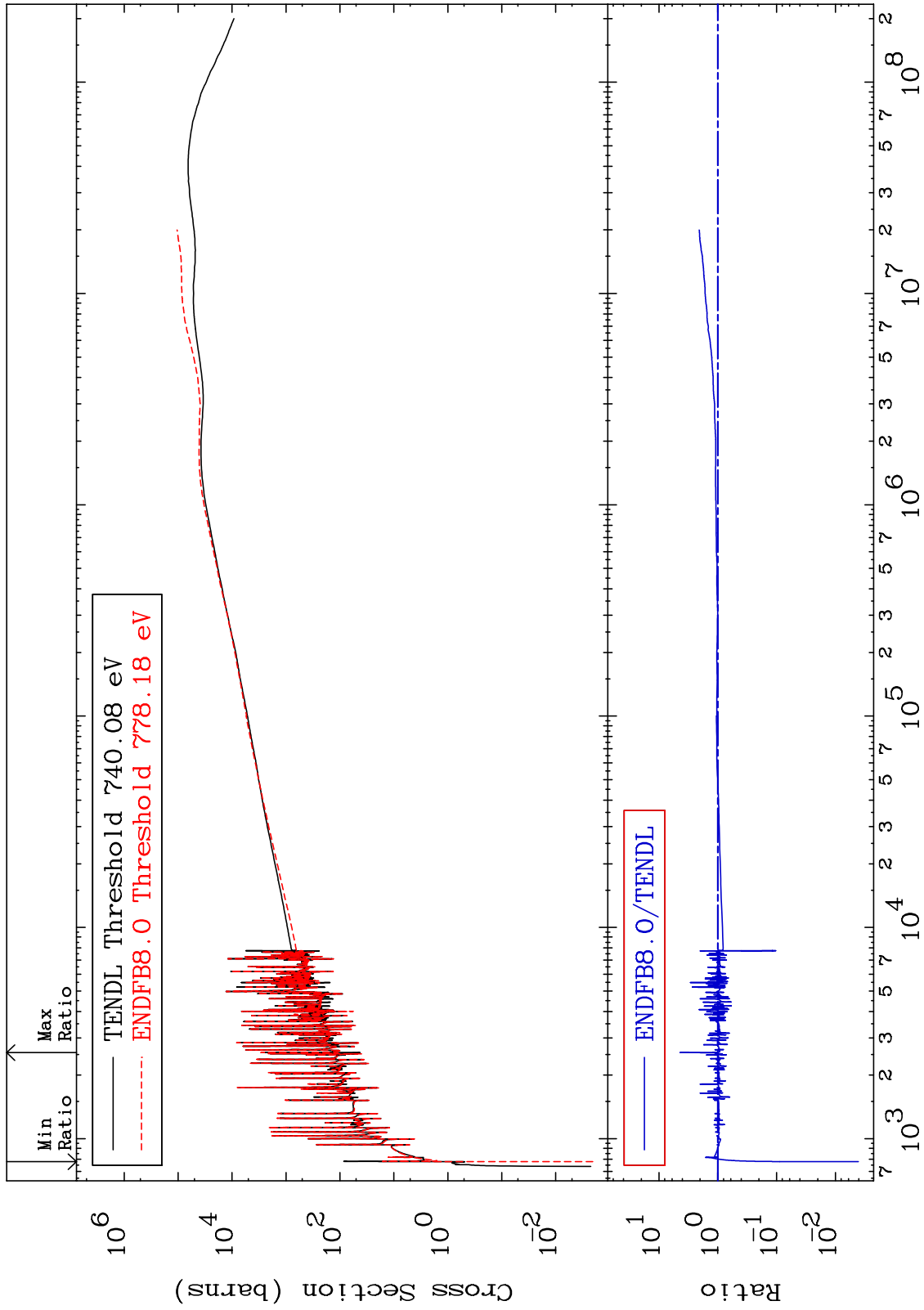
-87.48 To 973.6 %



MAT 5240

Dpa elastic (mt2)
Cross Section

52-Te-125
-99.59 To 338.8 %



45

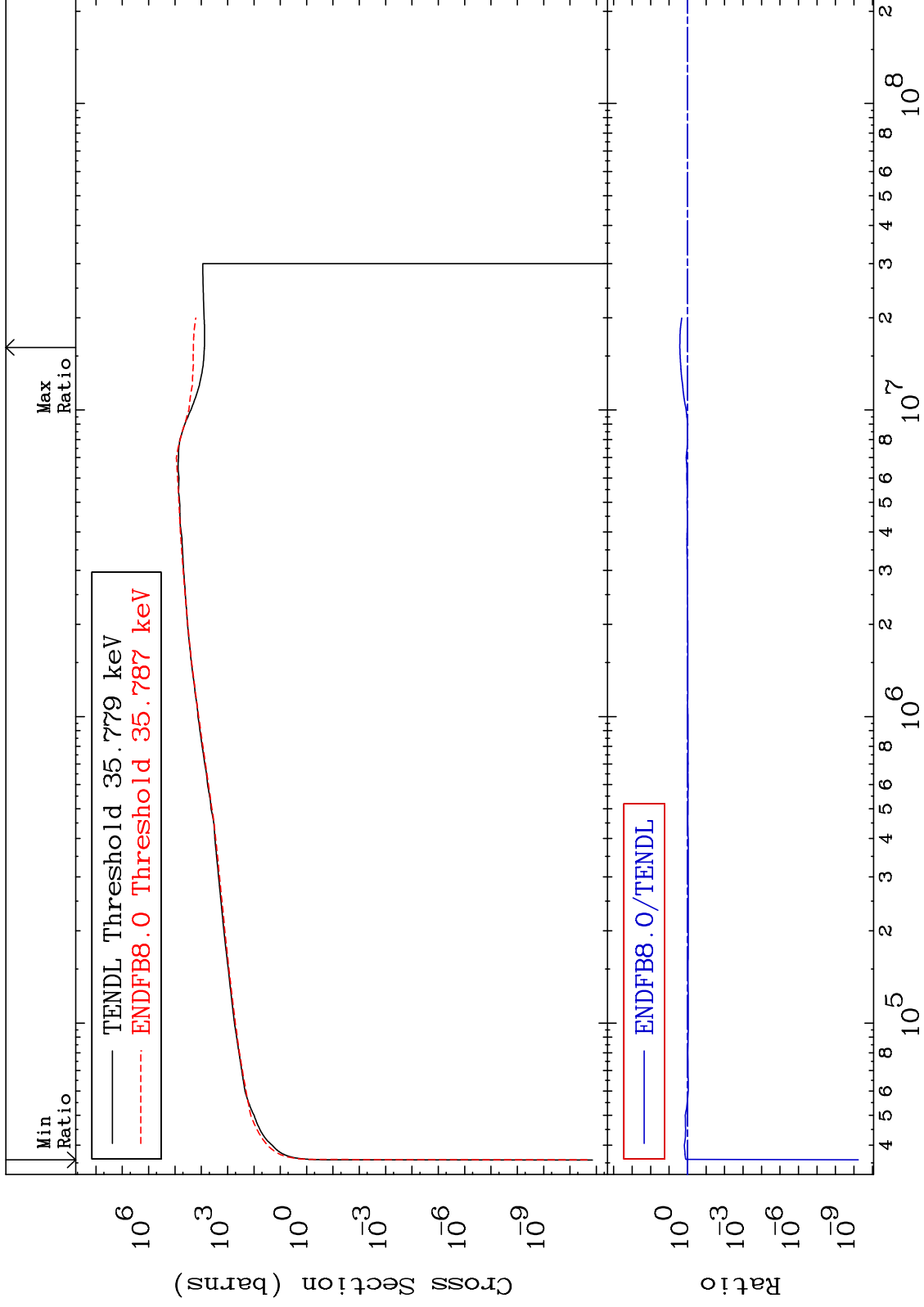
Incident Energy (eV)

52-Te-125

MAT 5240

Dpa inelastic (mt51-91)
Cross Section

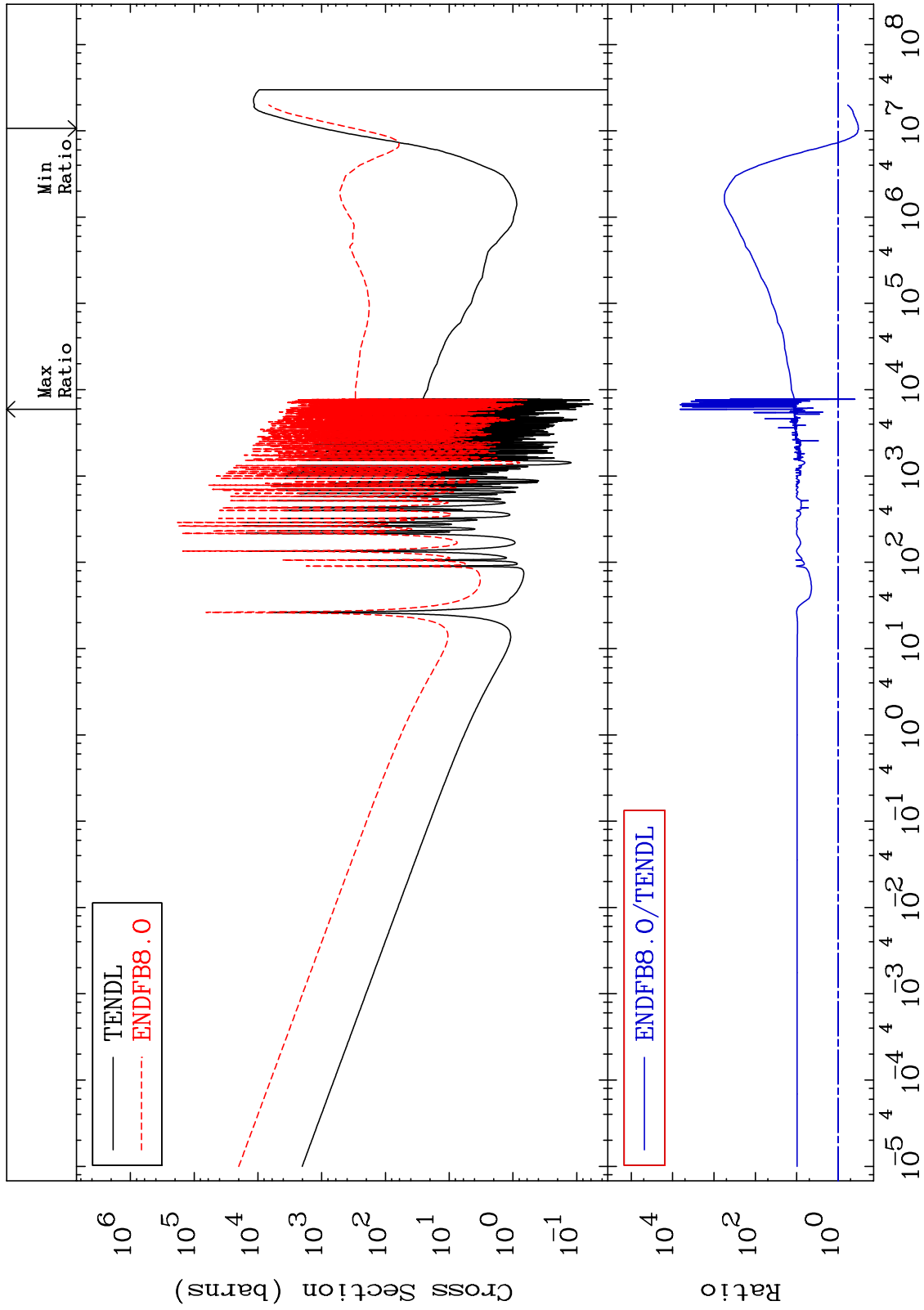
52-Te-125
-100.0 To 163.5 %



MAT 5240

Dpa disappearance (mt102 -120)
Cross Section

52-Te-125
-67.69 To 9999. %



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Incident Energy (eV)

52-Te-125