

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

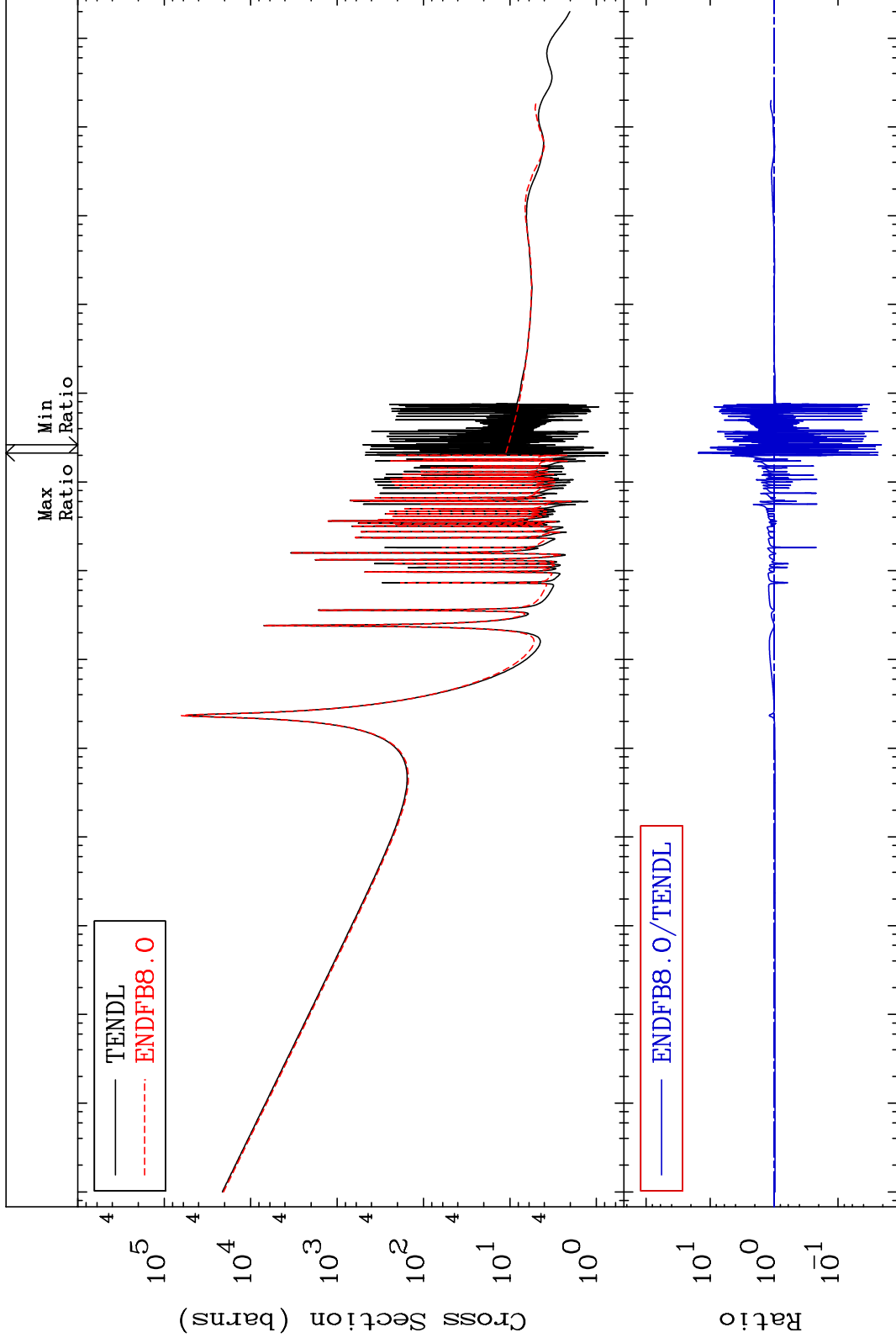
MAT 5234

Total

52-Te-123

Cross Section

-97.91 To 1437. %



Incident Energy (eV)

52-Te-123

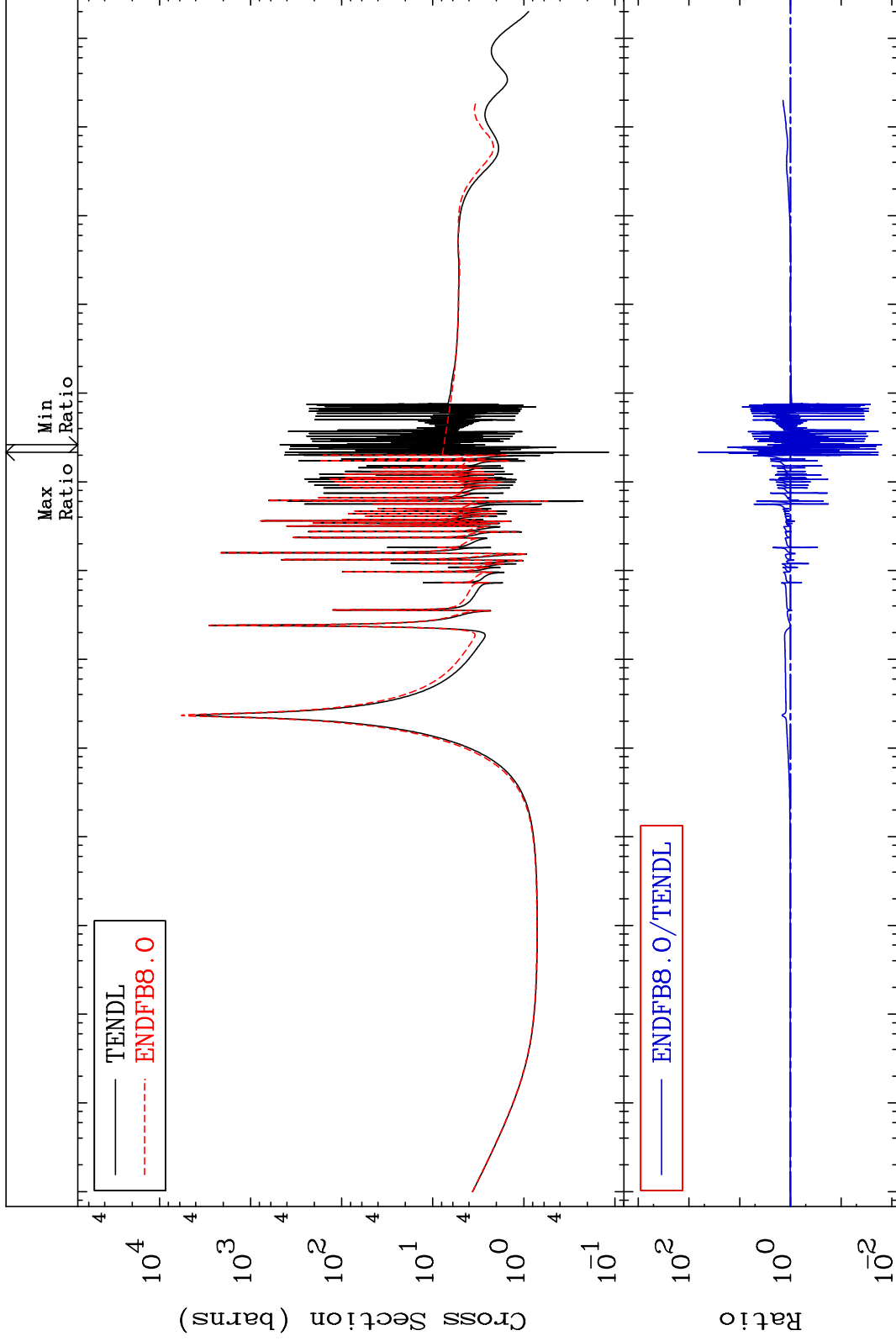
MAT 5234

Elastic

52-Te-123

Cross Section

-98.41 To 6498. %



Incident Energy (eV)

52-Te-123

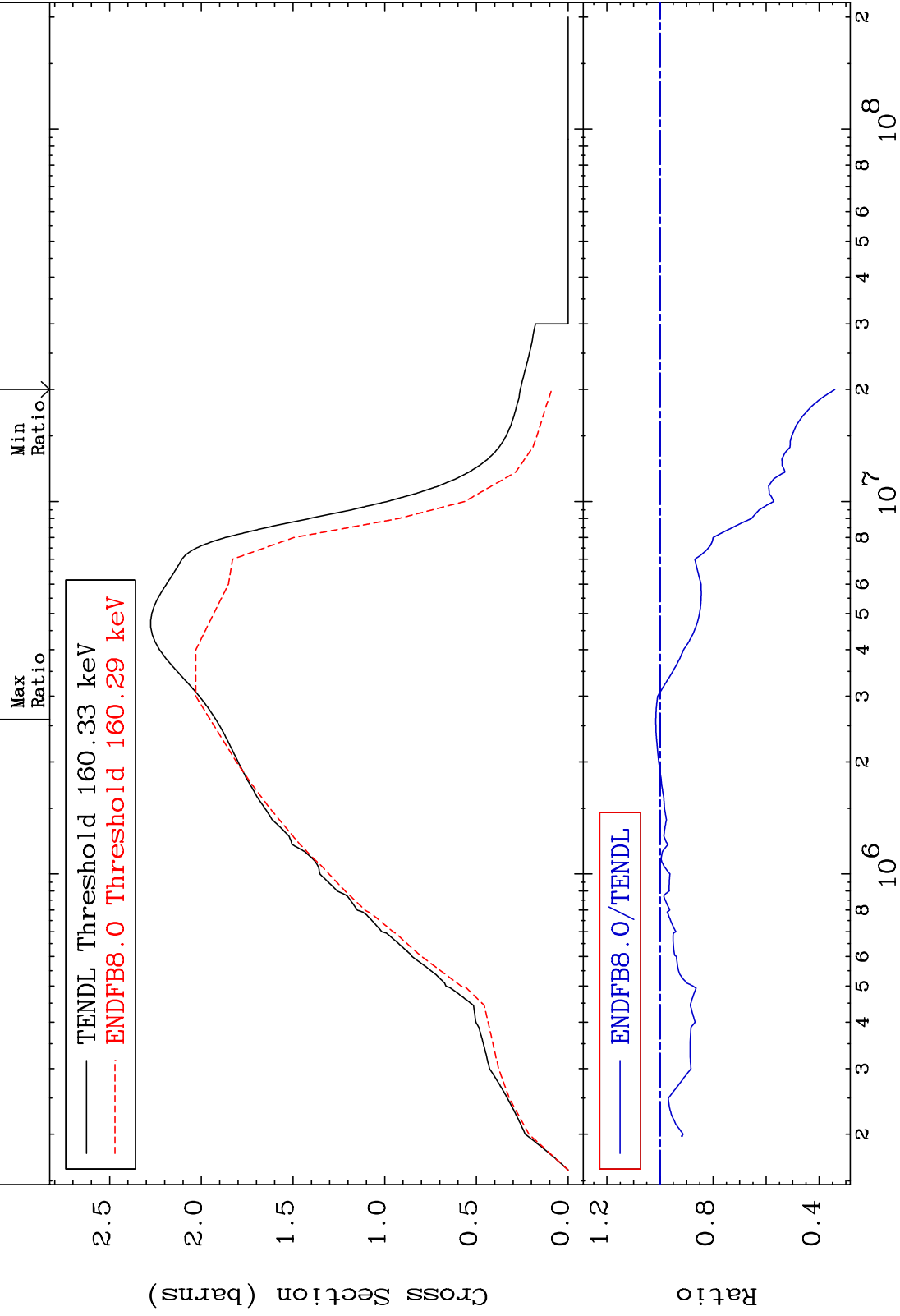
2

MAT 5234

52-Te-123

-65.92 To 1.600 %

Inelastic
Cross Section



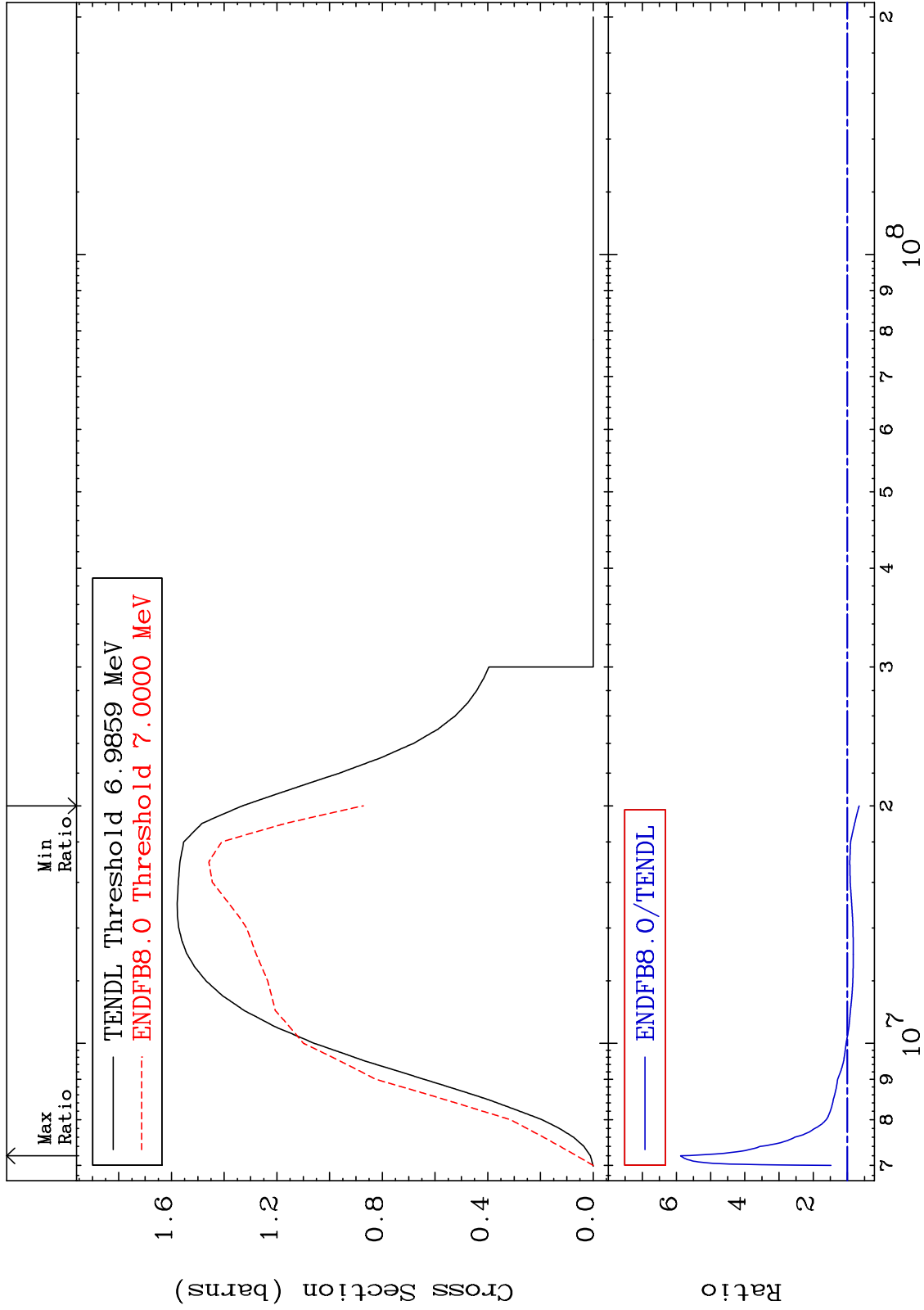
MAT 5234

(n, 2n)

52-Te-123

Cross Section

-34.44 To 487.8 %



4

Incident Energy (eV)

52-Te-123

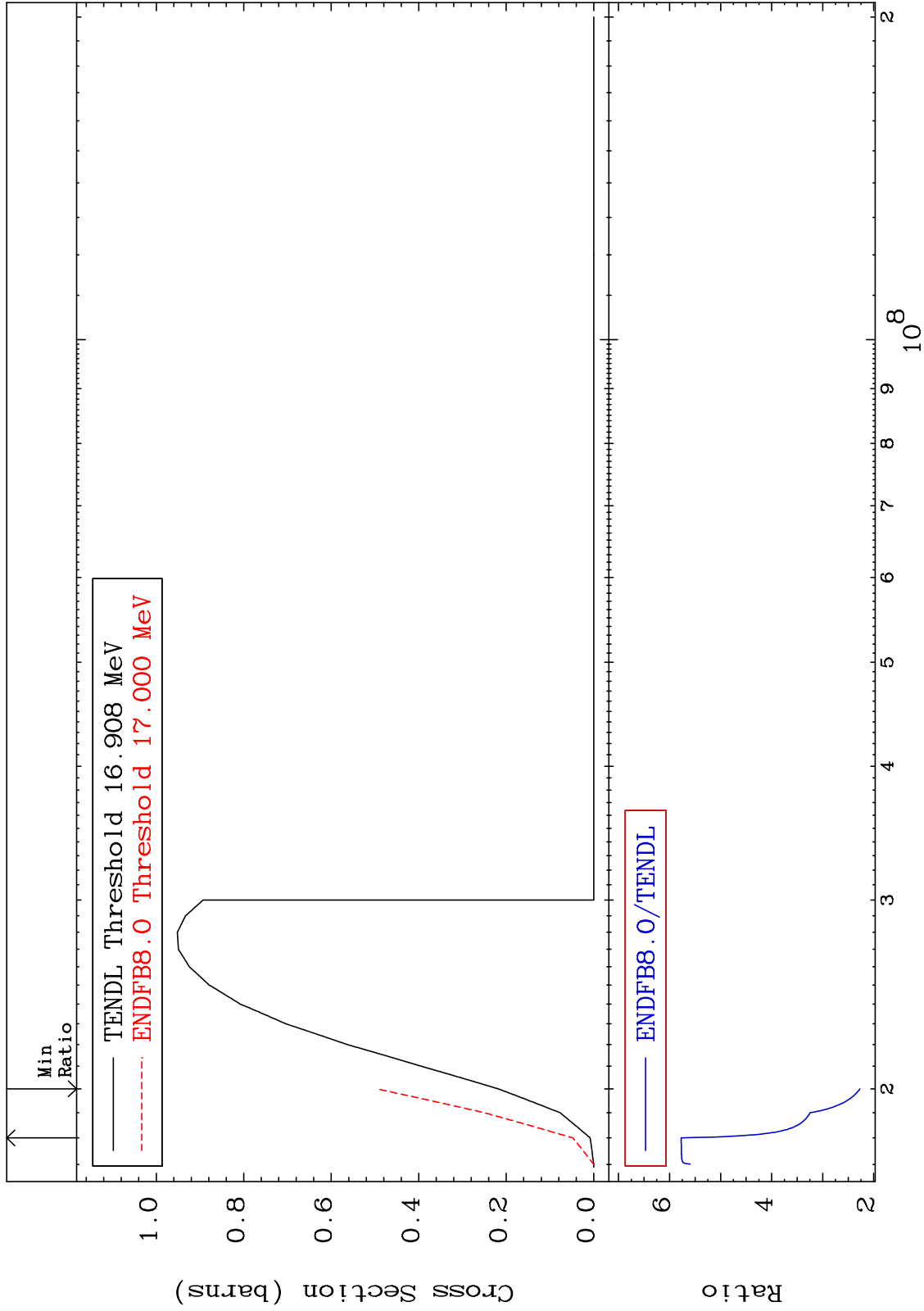
MAT 5234

(n,3n)

52-Te-123

Cross Section

127.1 To 477.1 %



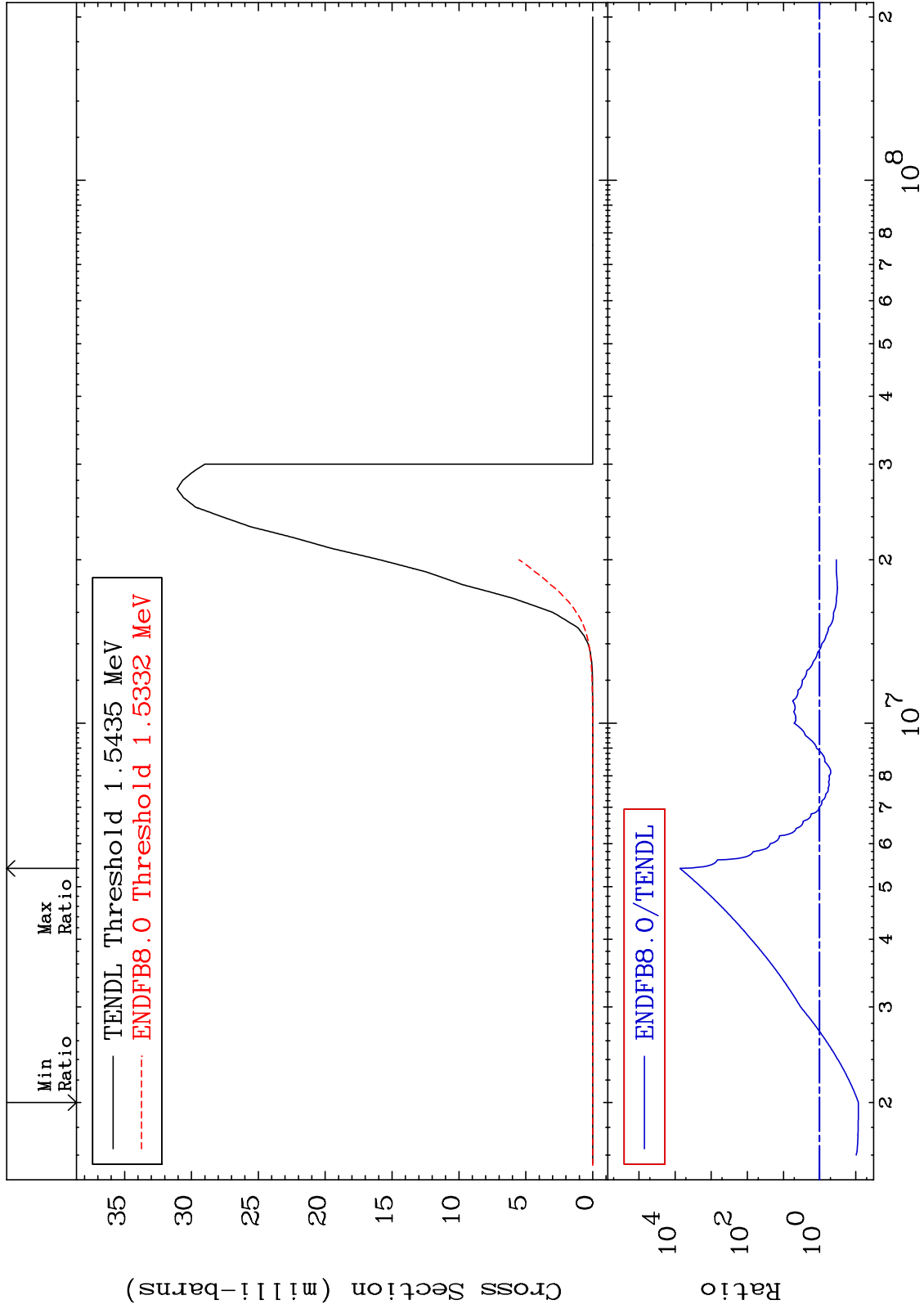
MAT 5234

(n,n') α

52-Te-123

Cross Section

-91.58 To 9999. %



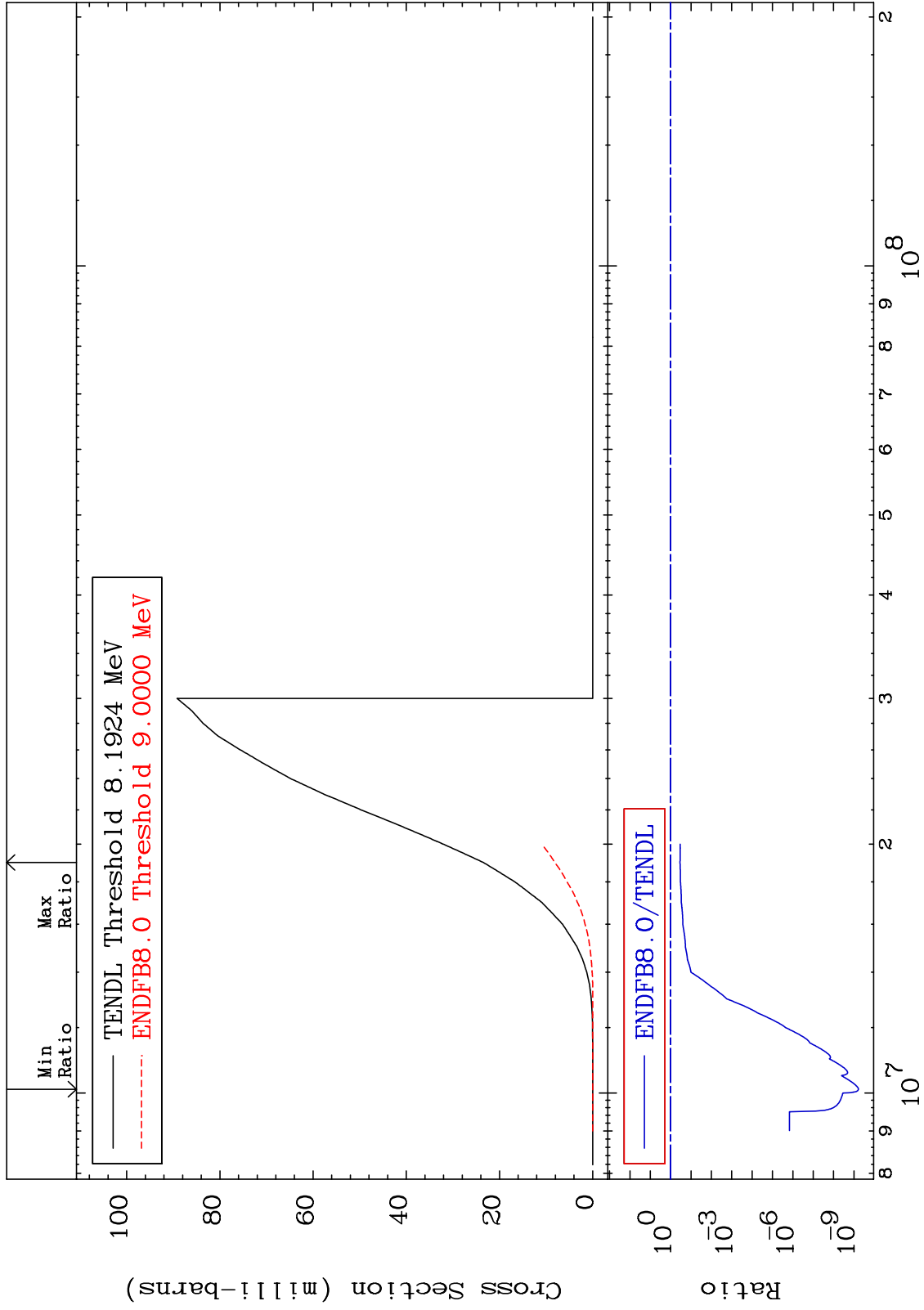
MAT 5234

(n,n') p

52-Te-123

Cross Section

-100.0 To -65.32%



7

Incident Energy (eV)

52-Te-123

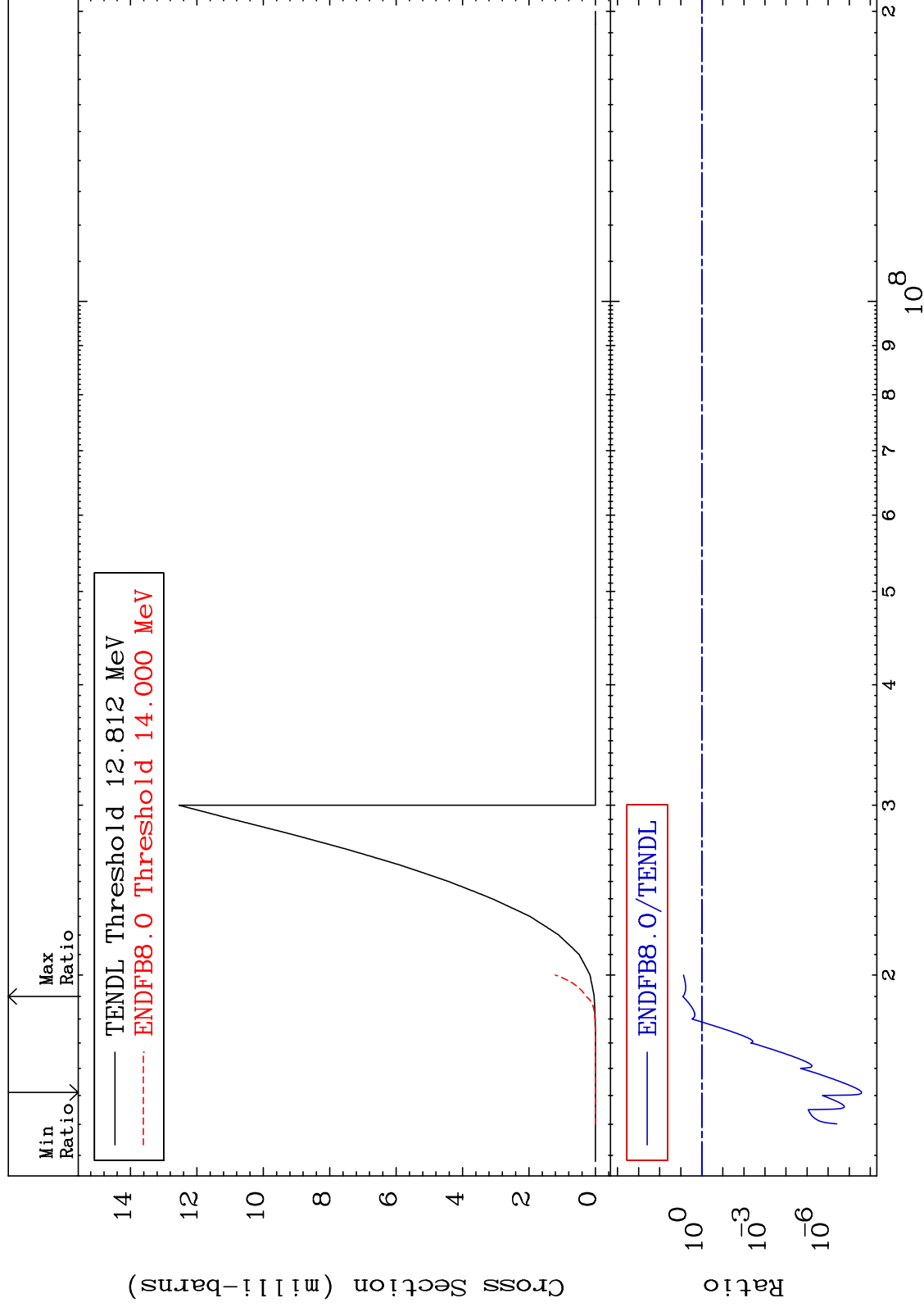
MAT 5234

(n,n') d

52-Te-123

Cross Section

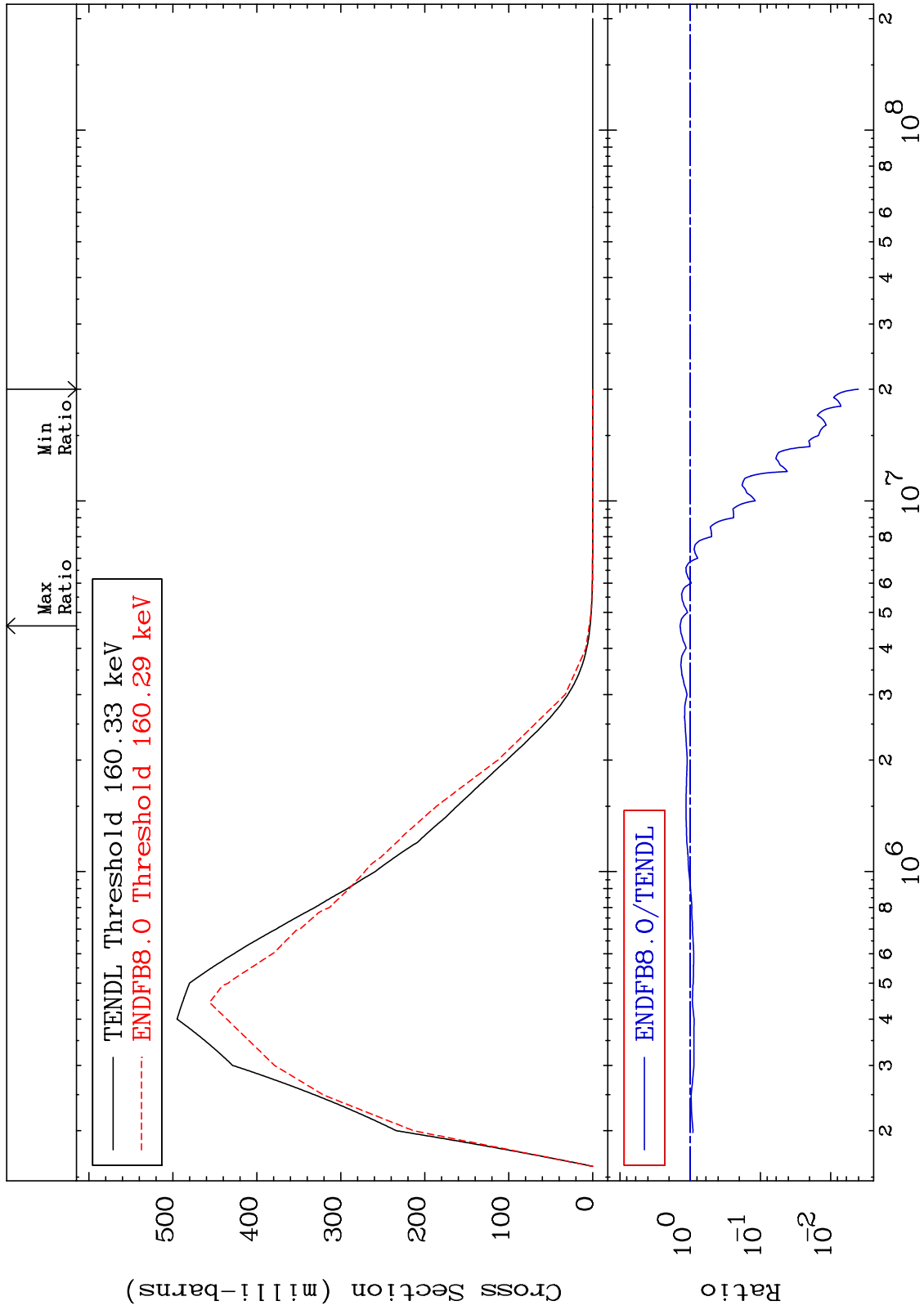
-100.0 To 691.7 %



MAT 5234

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

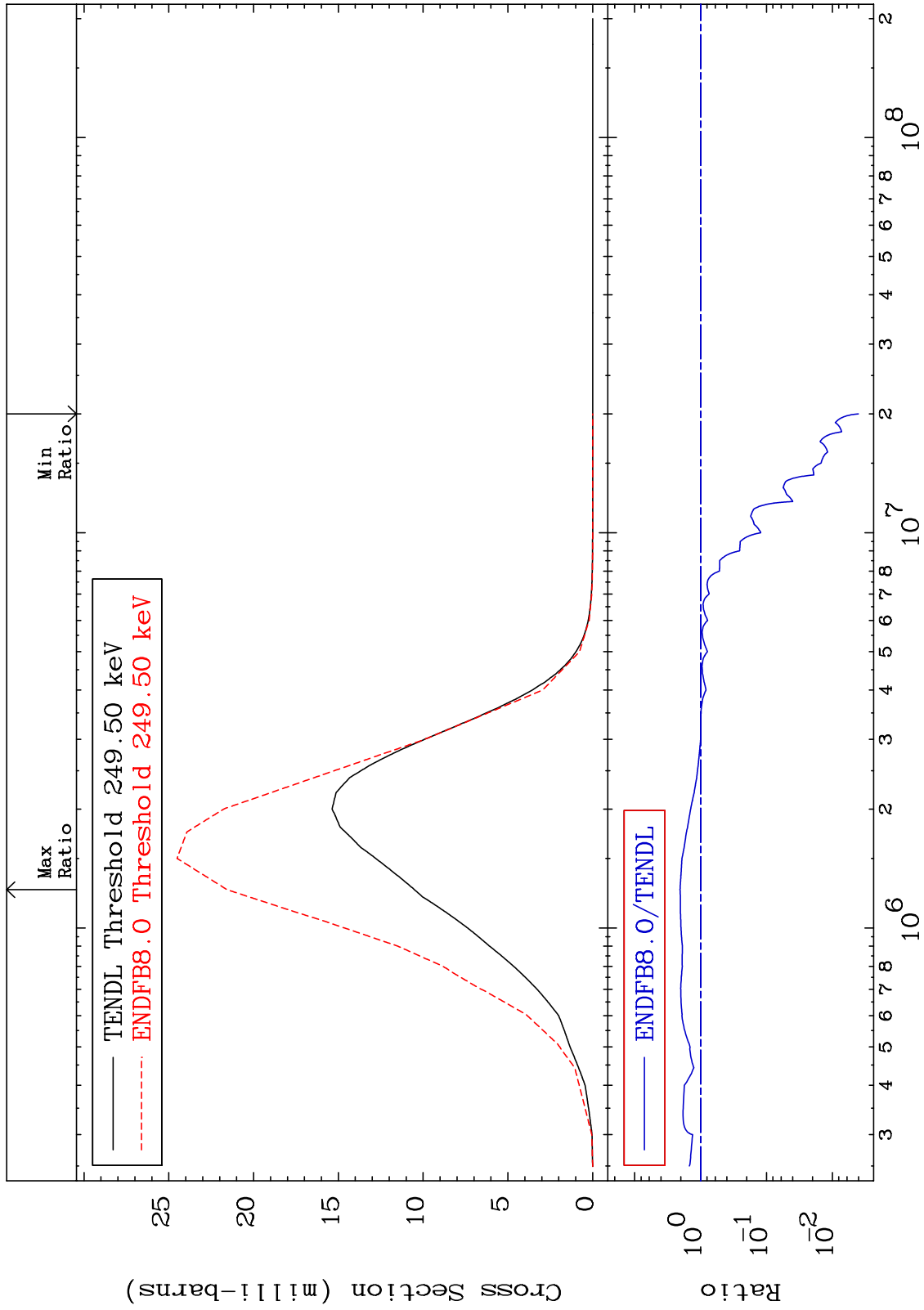
52-Te-123
-99.60 To 39.73 %



MAT 5234

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

52-Te-123
-99.60 To 105.2 %

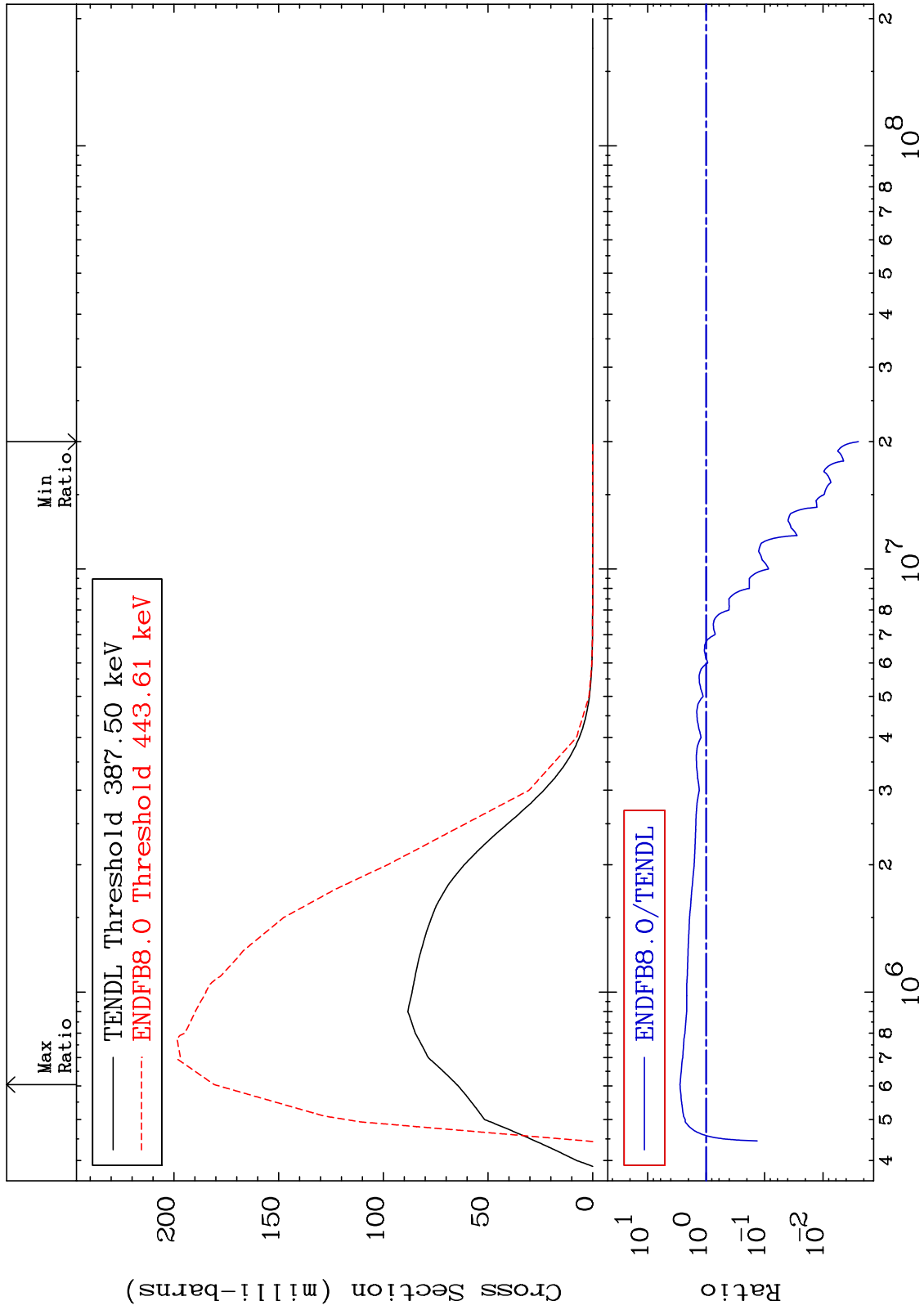


10

Incident Energy (eV)

52-Te-123

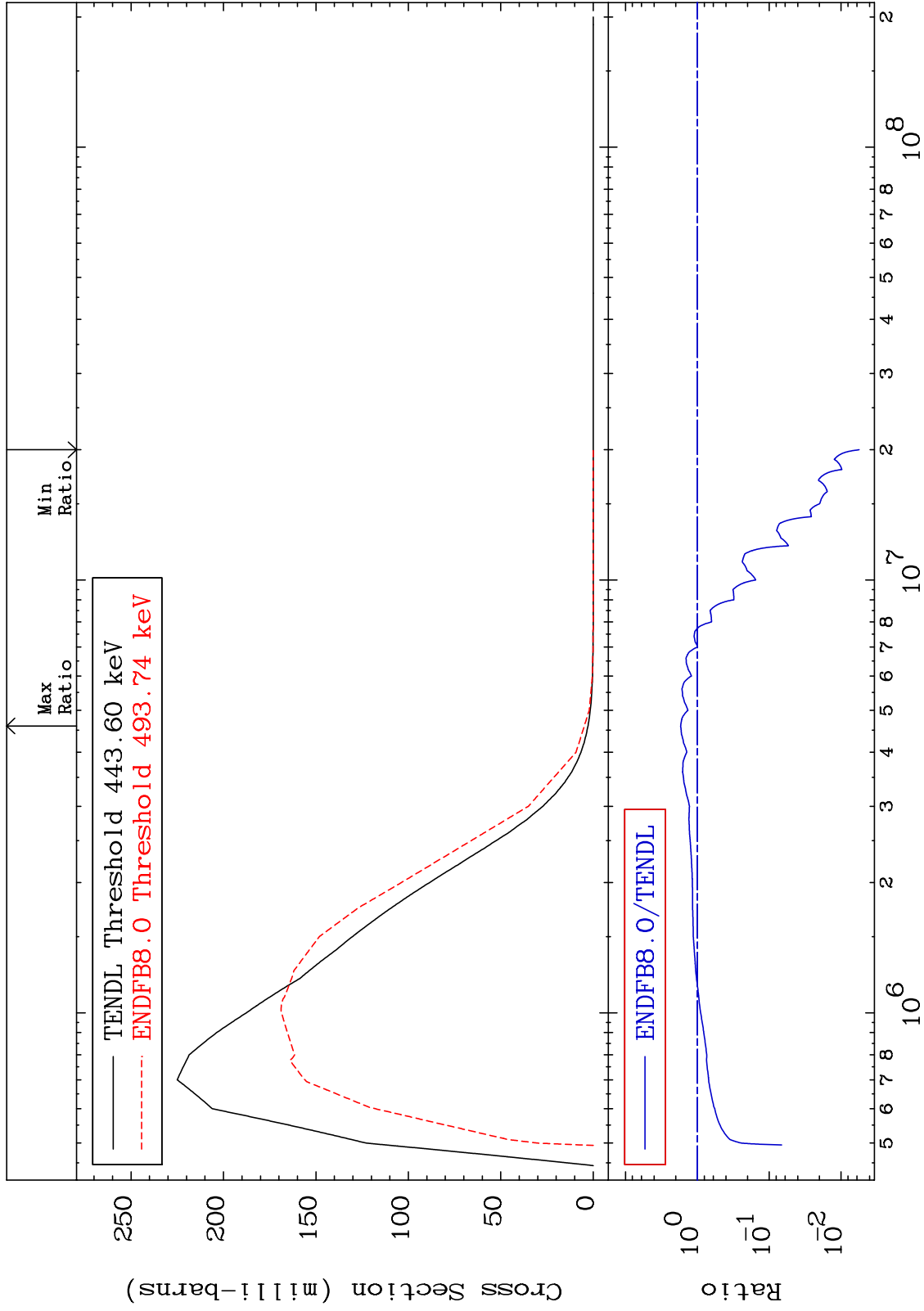
MAT 5234 MT= 53 (n,n') Level Cross Section 52-Te-123 -99.75 To 178.7 %



MAT 5234

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

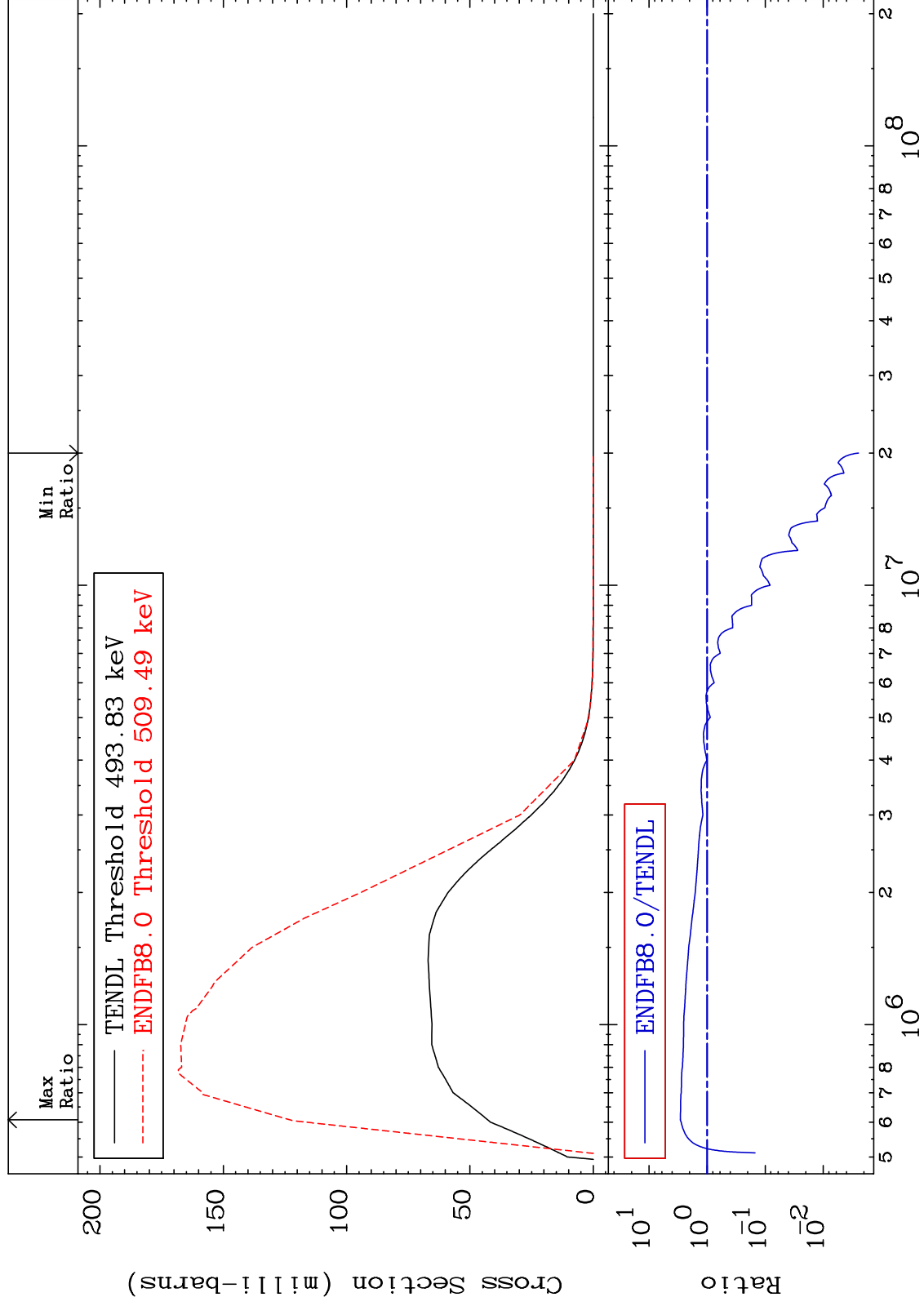
52-Te-123
-99.44 To 70.66 %



MAT 5234

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

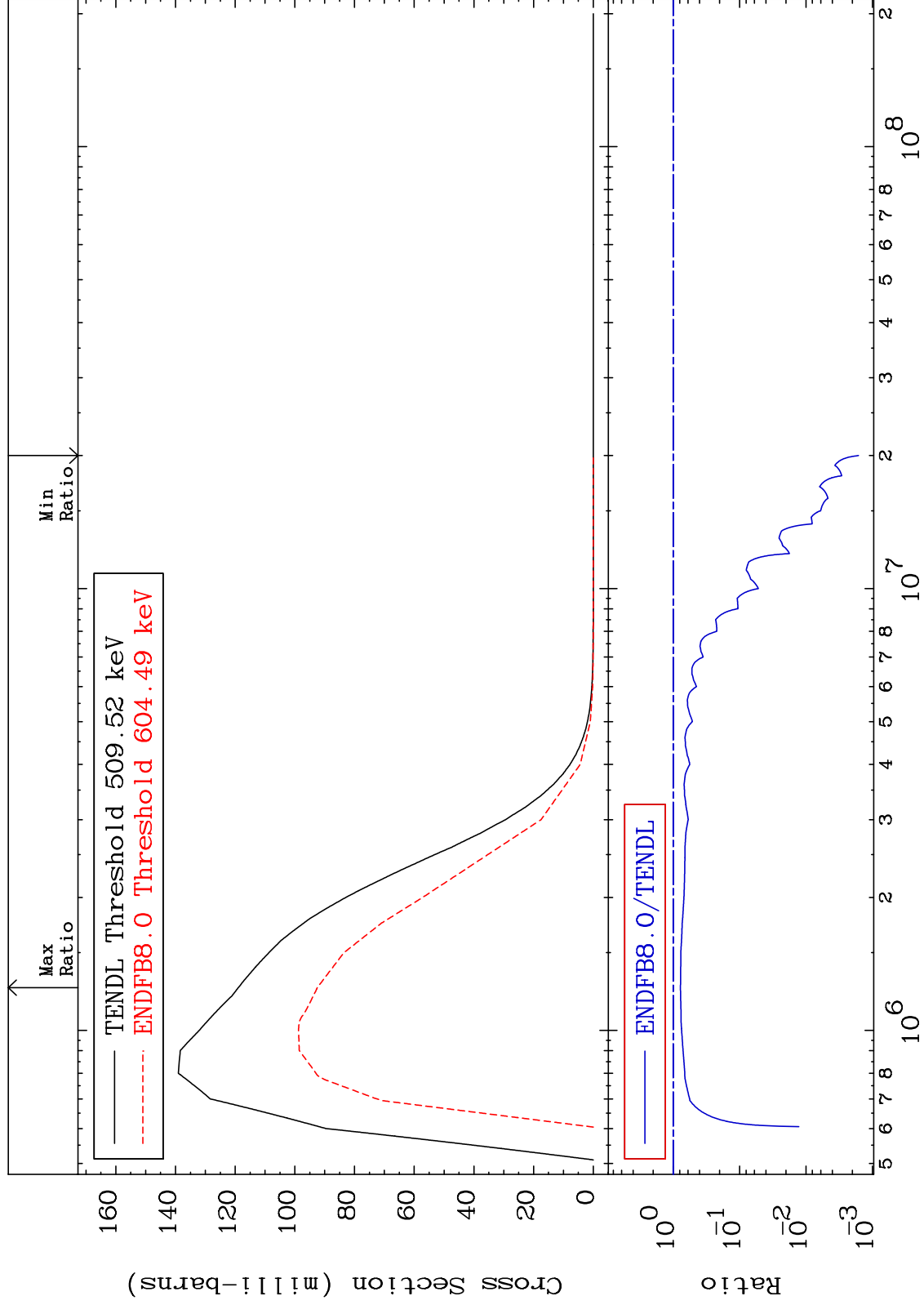
52-Te-123
-99.75 To 187.6 %



MAT 5234

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

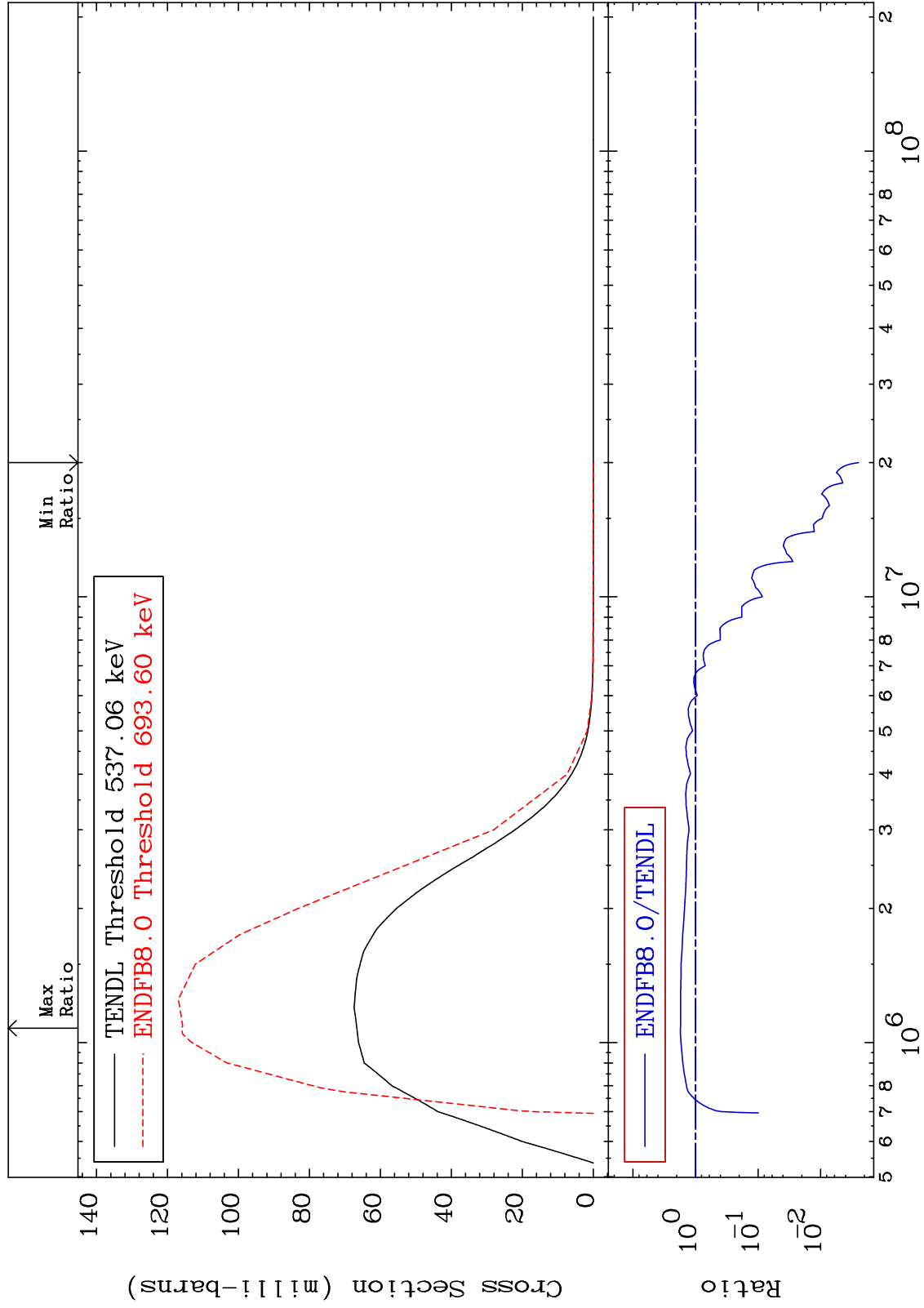
52-Te-123
-99.84 To -22.23%



MAT 5234

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

52-Te-123
-99.75 To 74.24 %



15

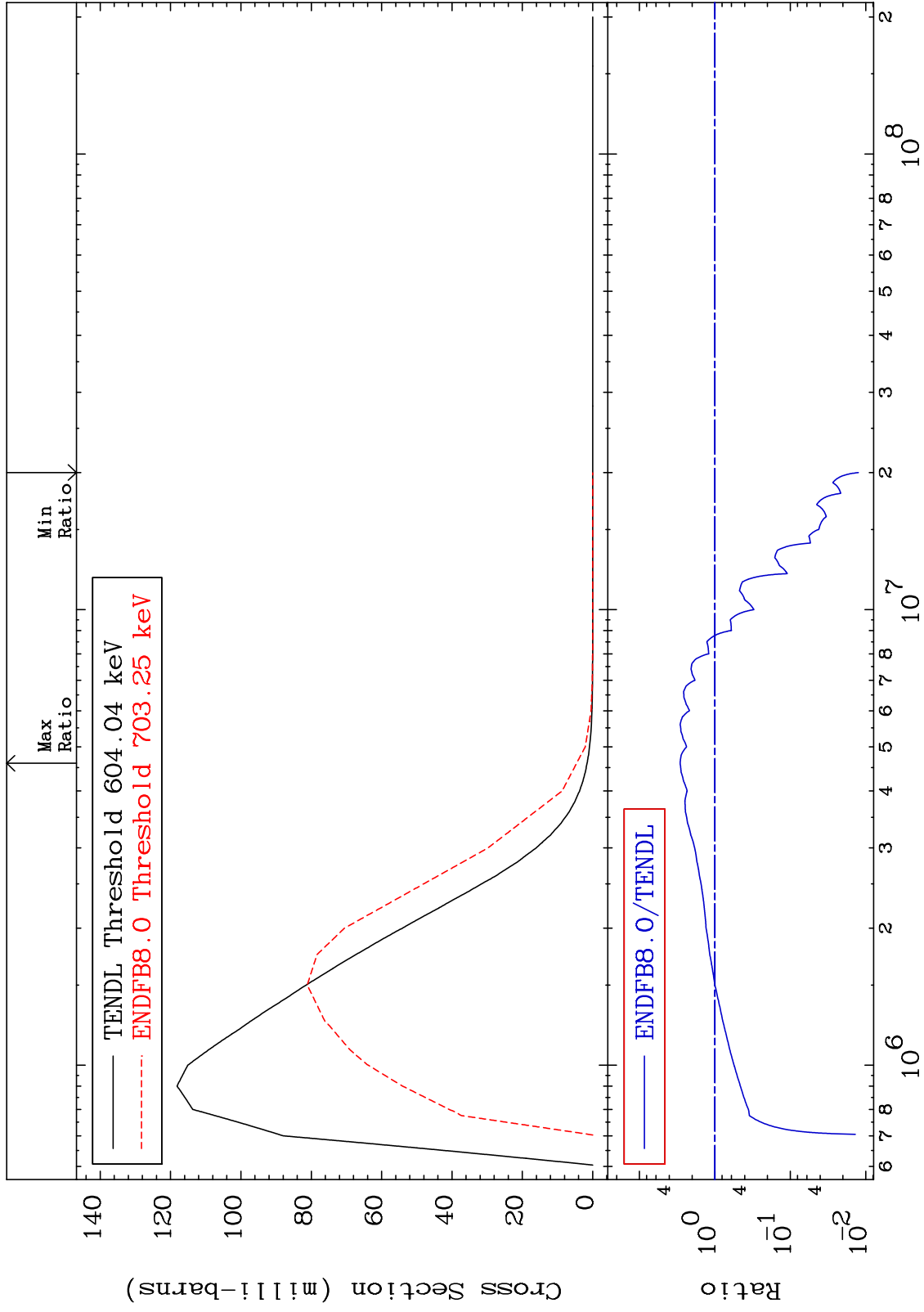
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123
-98.75 To 188.8 %



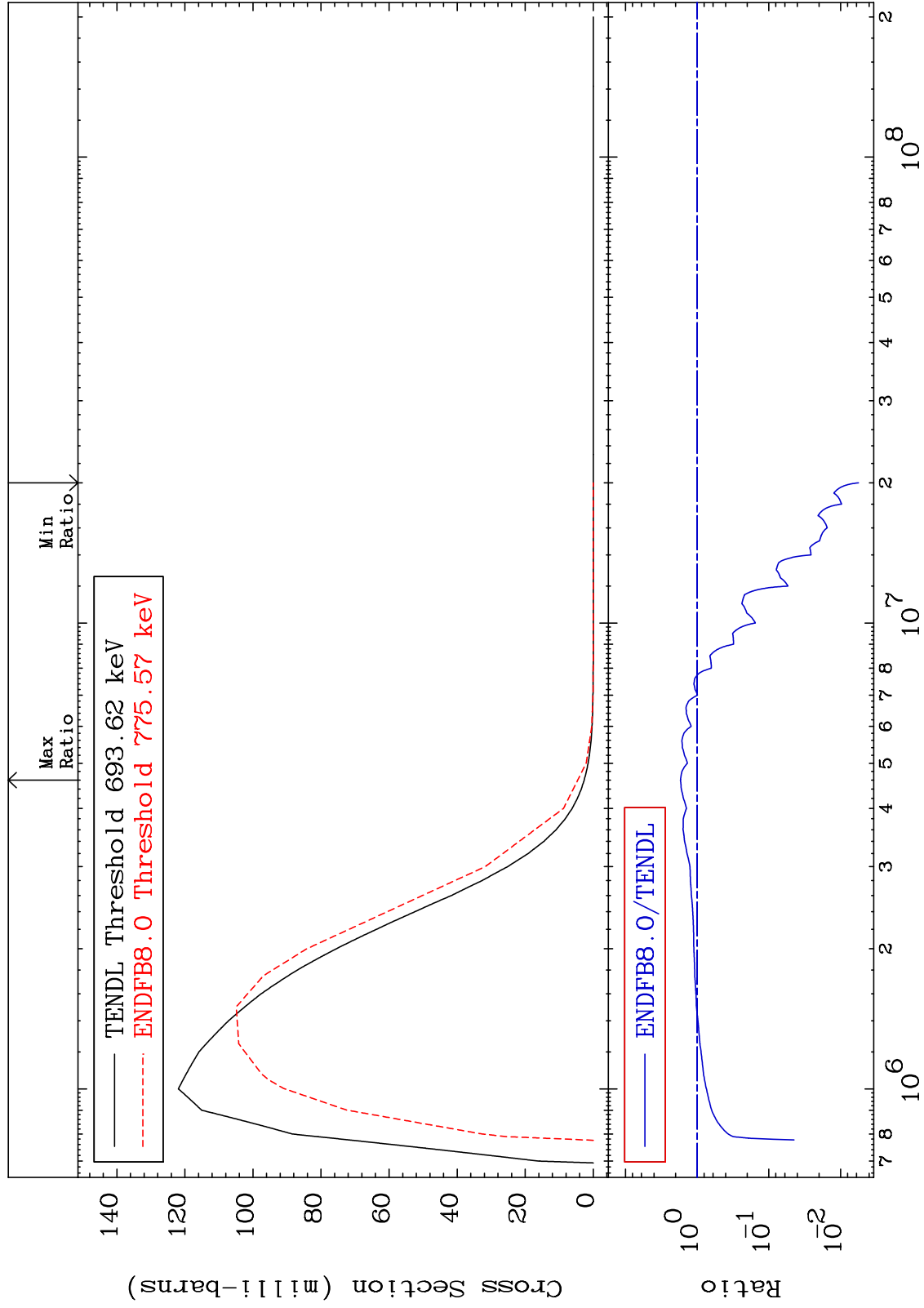
16

52-Te-123

MAT 5234

MT= 59 (n,n') Level
Cross Section

52-Te-123
-99.44 To 71.08 %



17

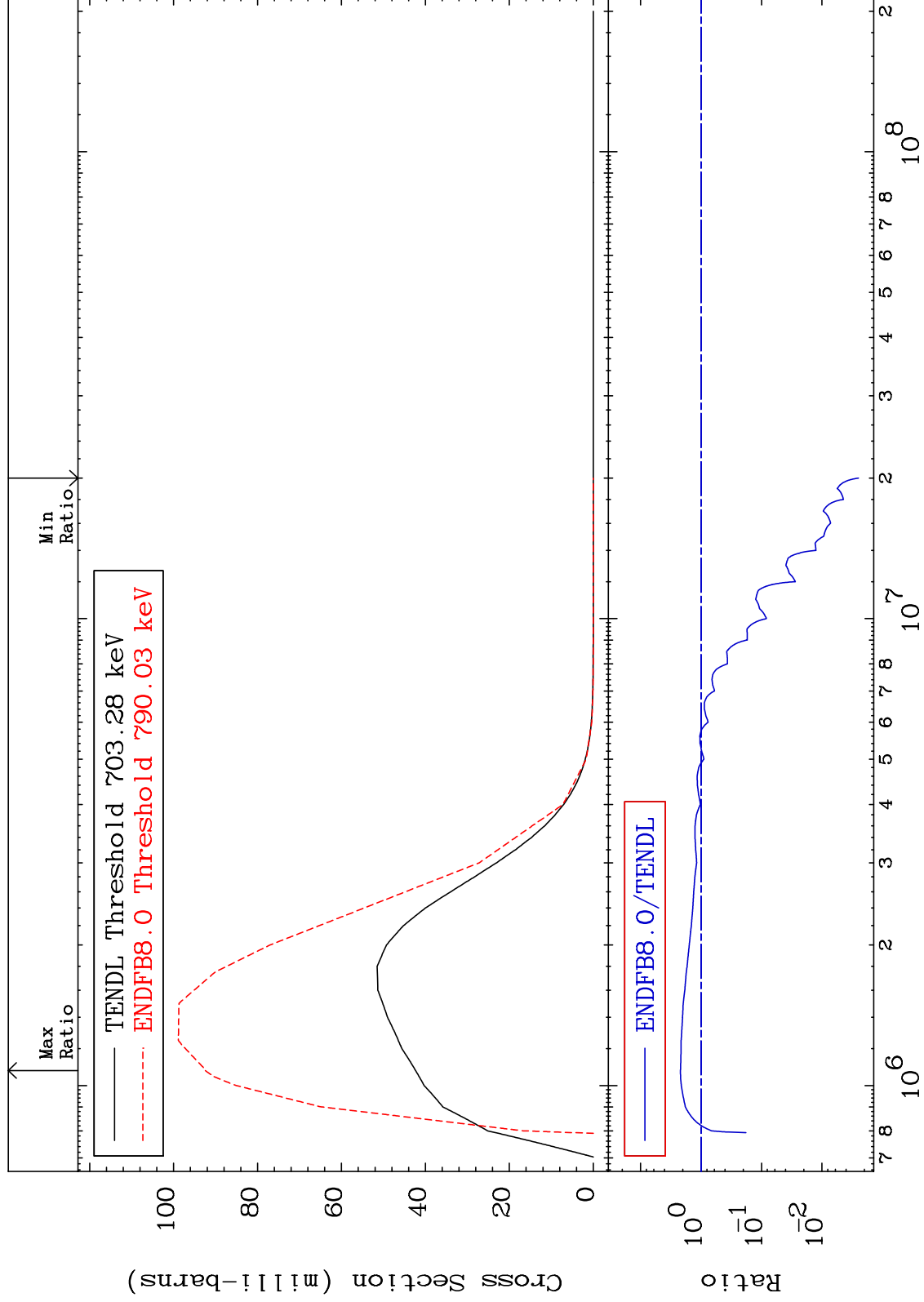
Incident Energy (eV)

52-Te-123

MAT 5234

MT= 60 (n,n') Level
Cross Section

52-Te-123
-99.75 To 118.4 %



18

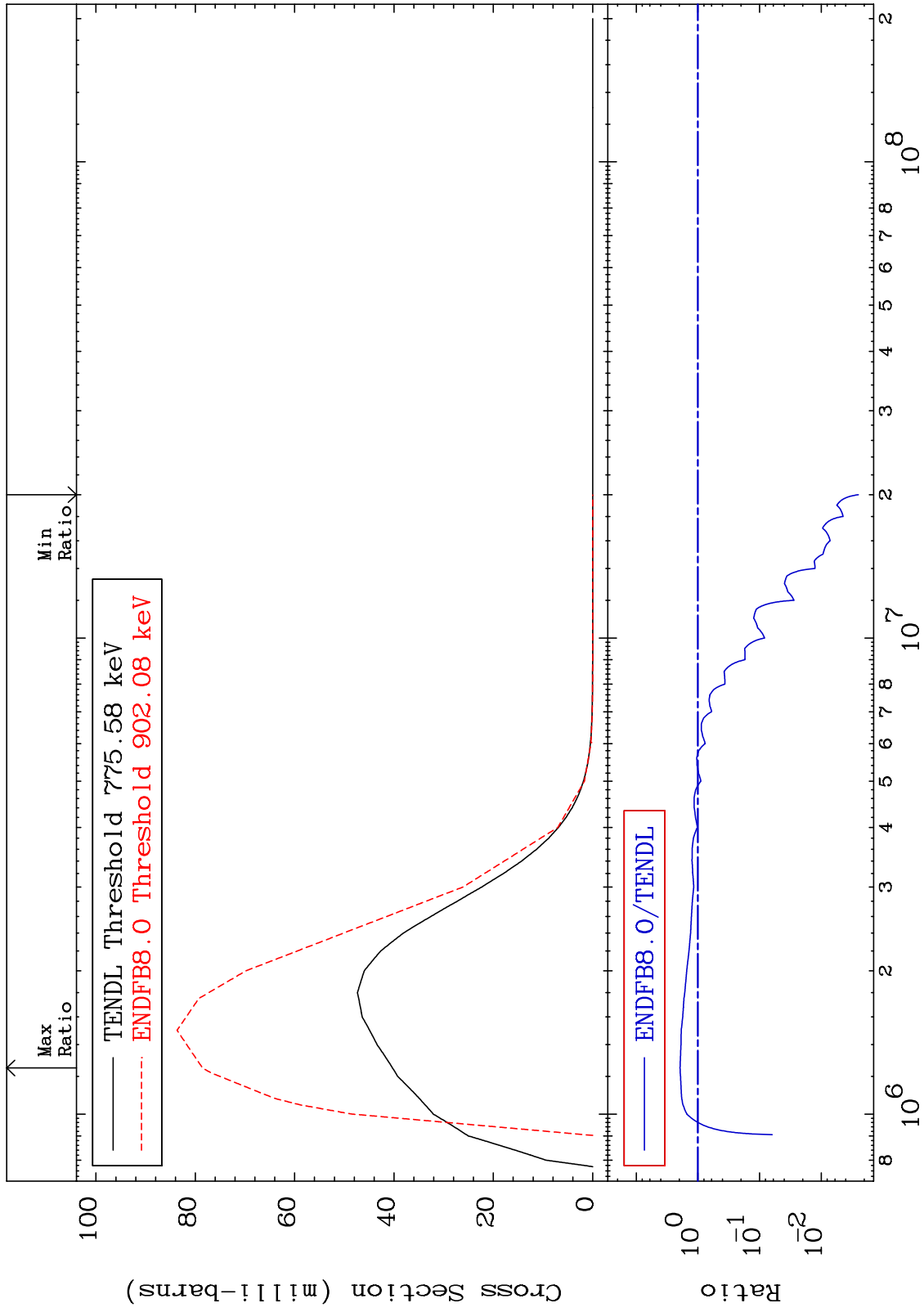
Incident Energy (eV)

52-Te-123

MAT 5234

MT= 61 (n,n') Level
Cross Section

52-Te-123
-99.75 To 94.95 %



19

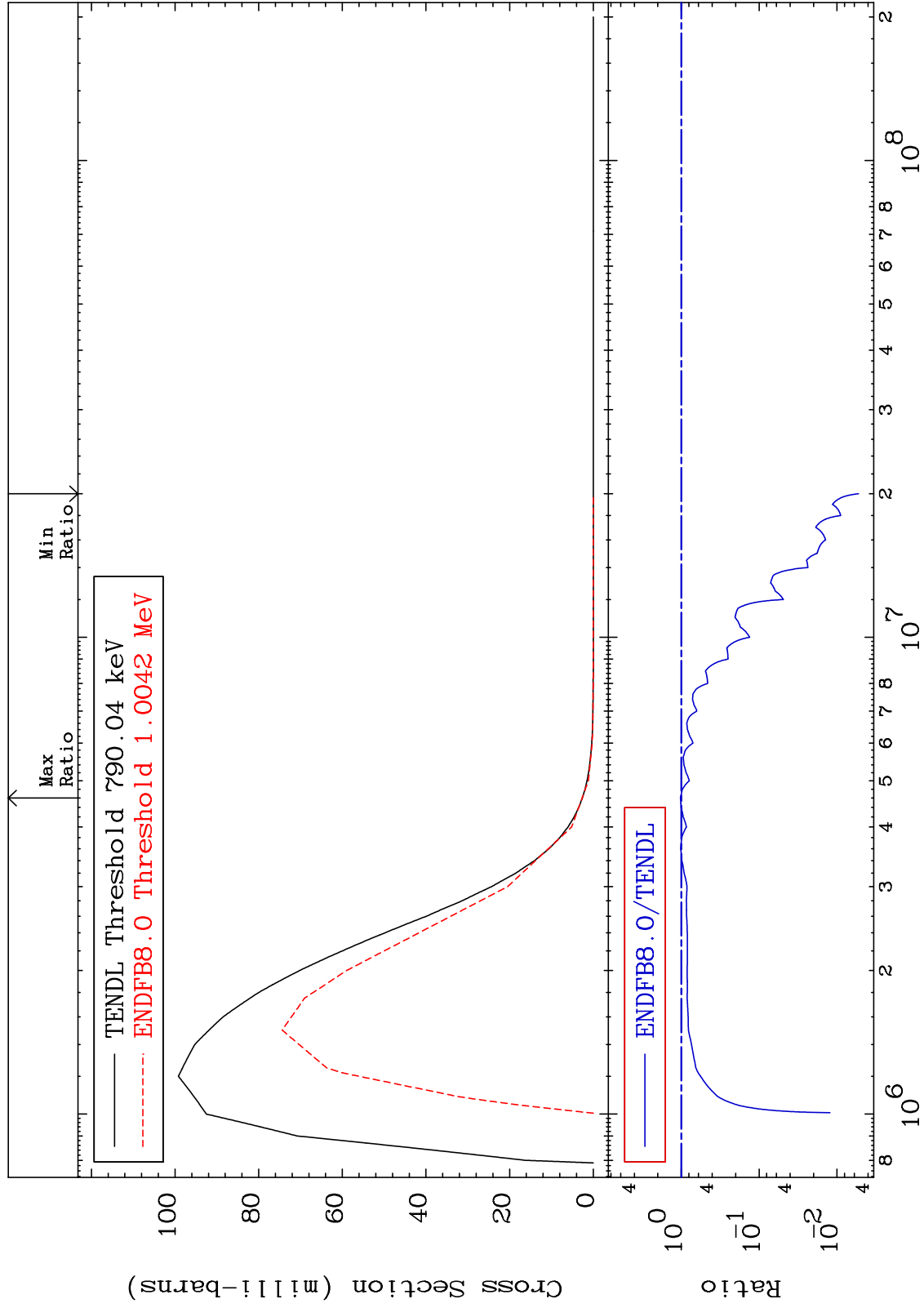
Incident Energy (eV)

52-Te-123

MAT 5234

MT= 62 (n,n') Level
Cross Section

52-Te-123
-99.47 To 2.355 %



20

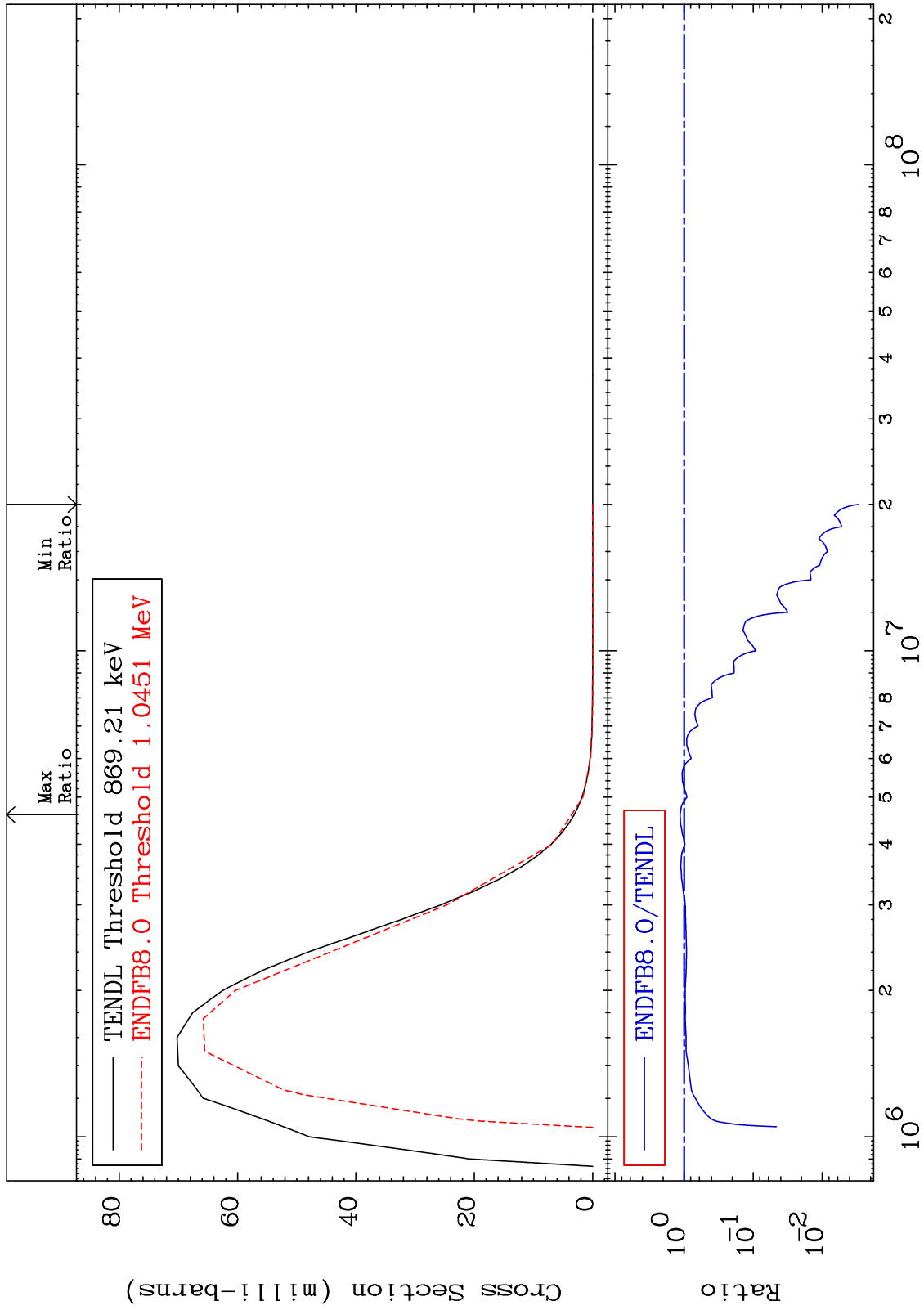
Incident Energy (eV)

52-Te-123

MAT 5234

MT= 63 (n,n') Level
Cross Section

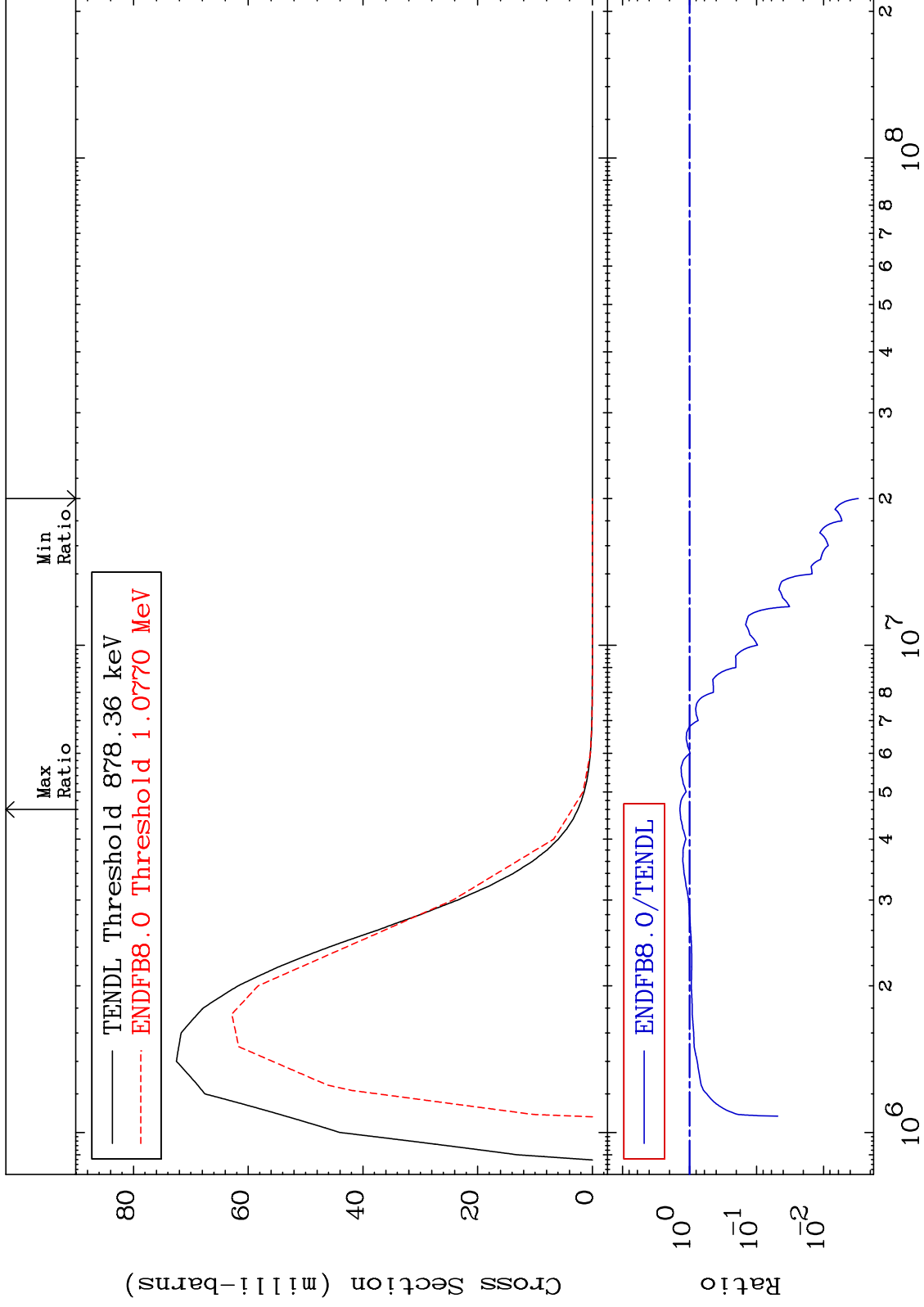
52-Te-123
-99.70 To 14.32 %



MAT 5234

MT= 64 (n,n') Level
Cross Section

52-Te-123
-99.70 To 39.80 %



22

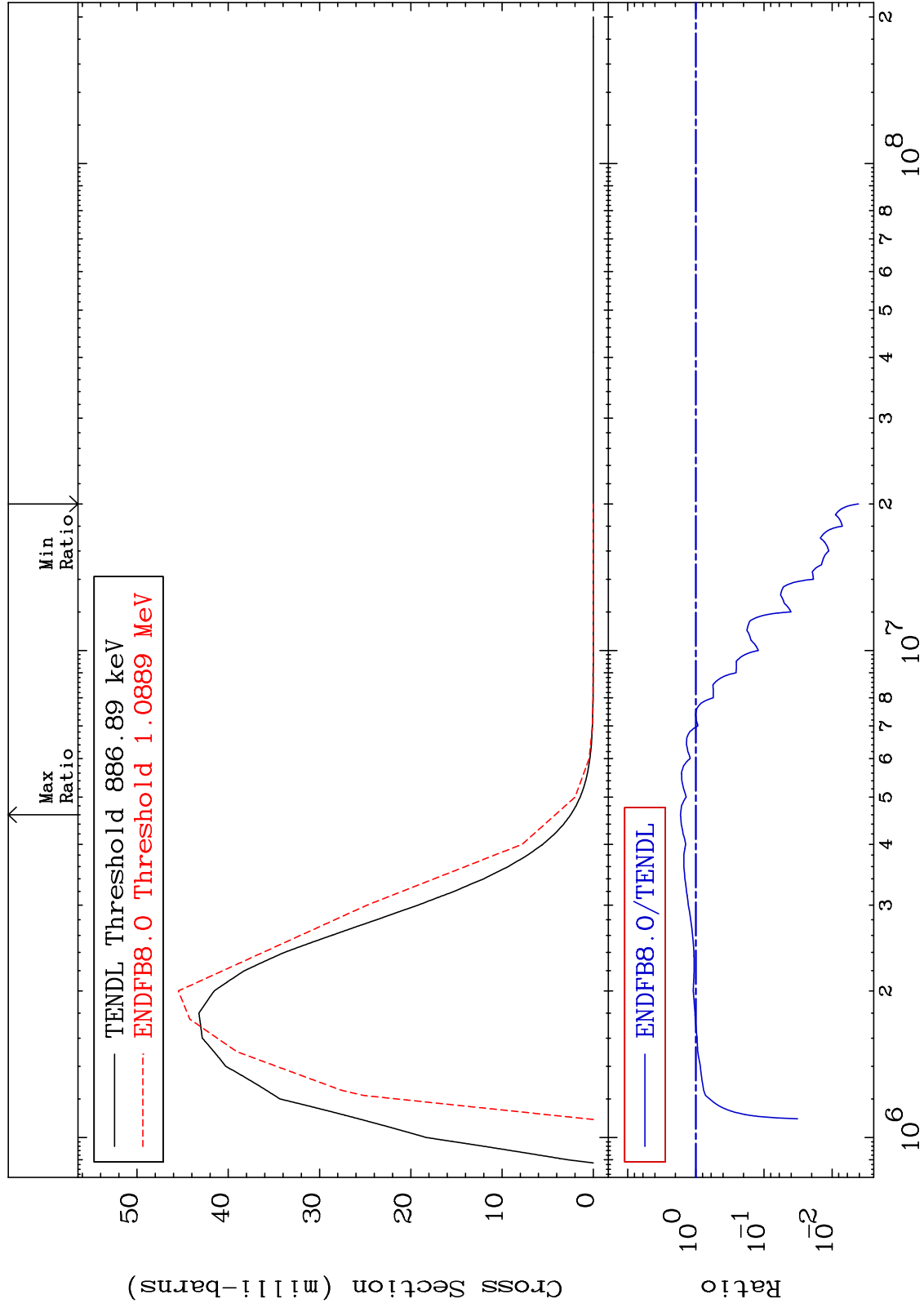
Incident Energy (eV)

52-Te-123

MAT 5234

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

52-Te-123
-99.59 To 68.50 %



23

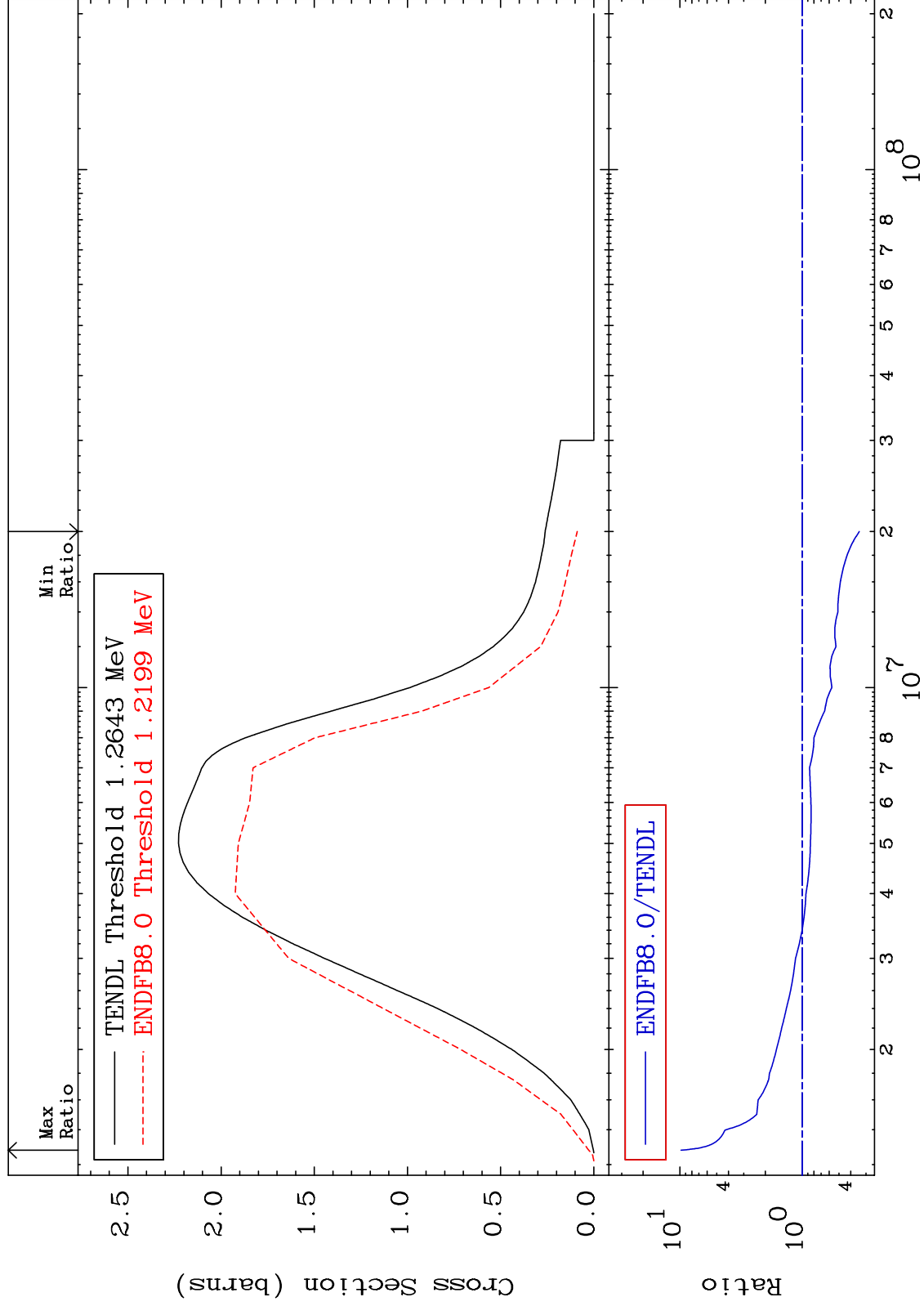
Incident Energy (eV)

52-Te-123

MAT 5234

(n, n') Continuum
Cross Section

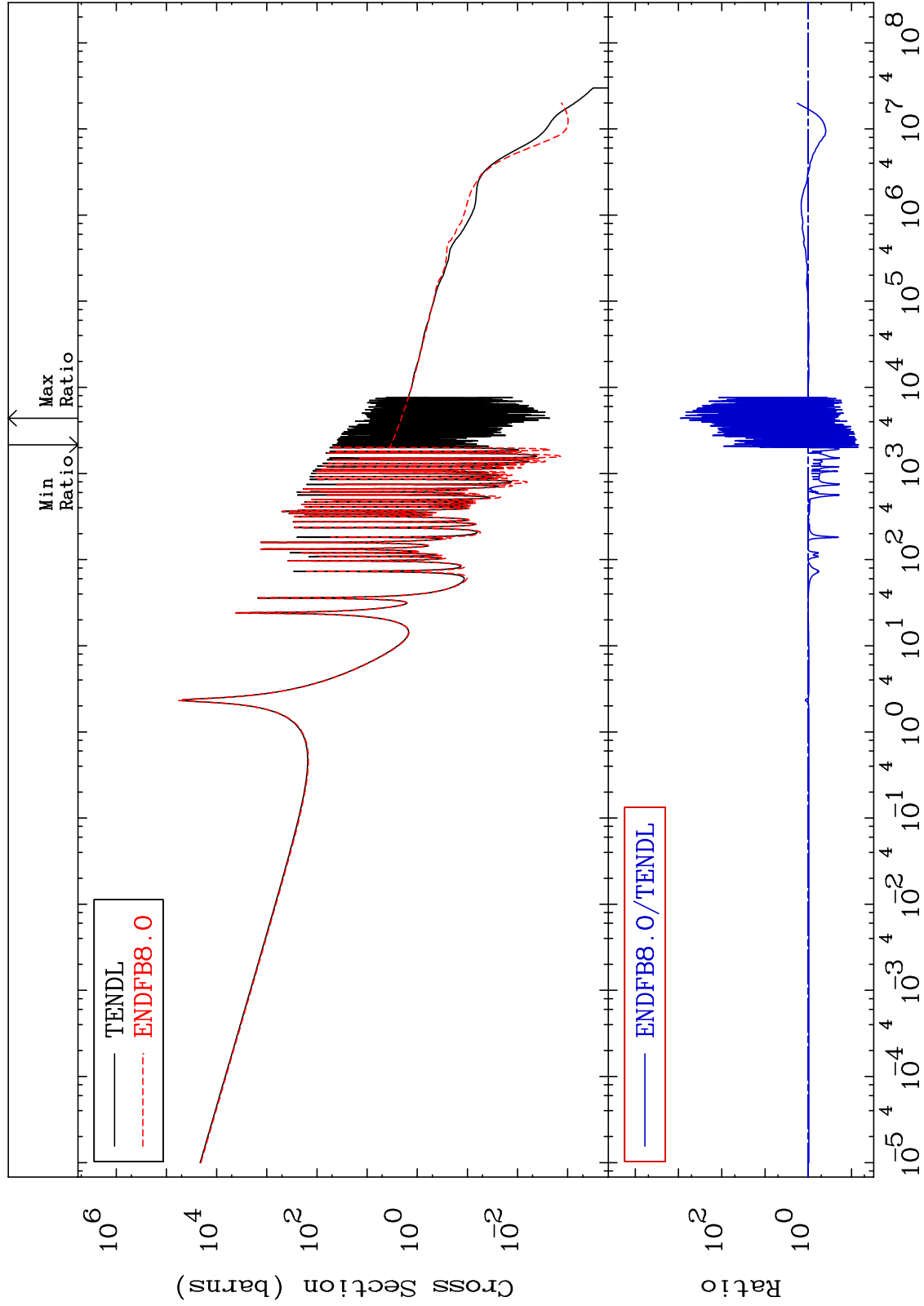
52-Te-123
-65.92 To 879.4 %



MAT 5234

(n, γ)
Cross Section

52-Te-123
-93.15 To 9999. %



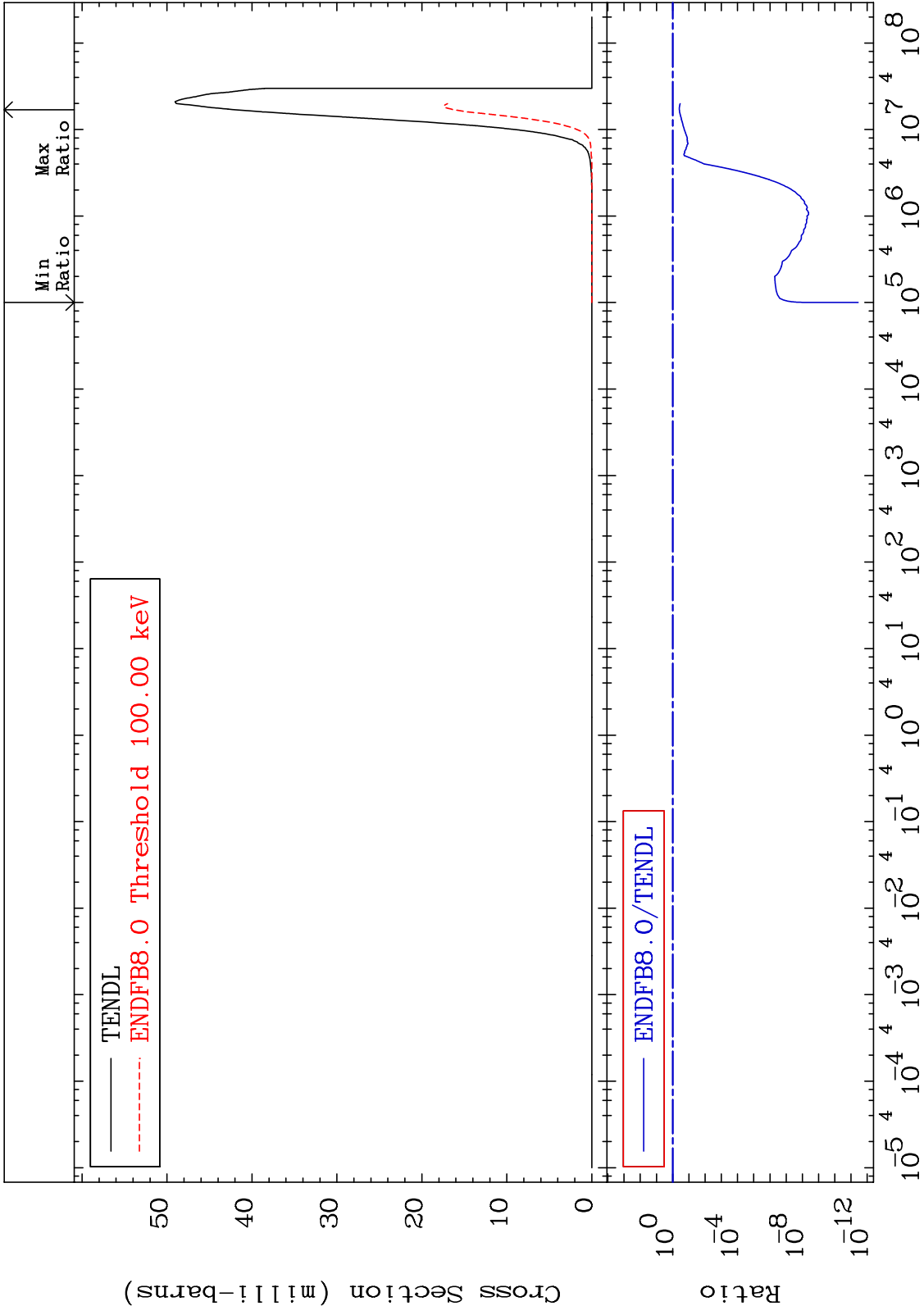
MAT 5234

(n, p)

52-Te-123

Cross Section

-100.0 To -61.30%



Incident Energy (eV)

52-Te-123

26

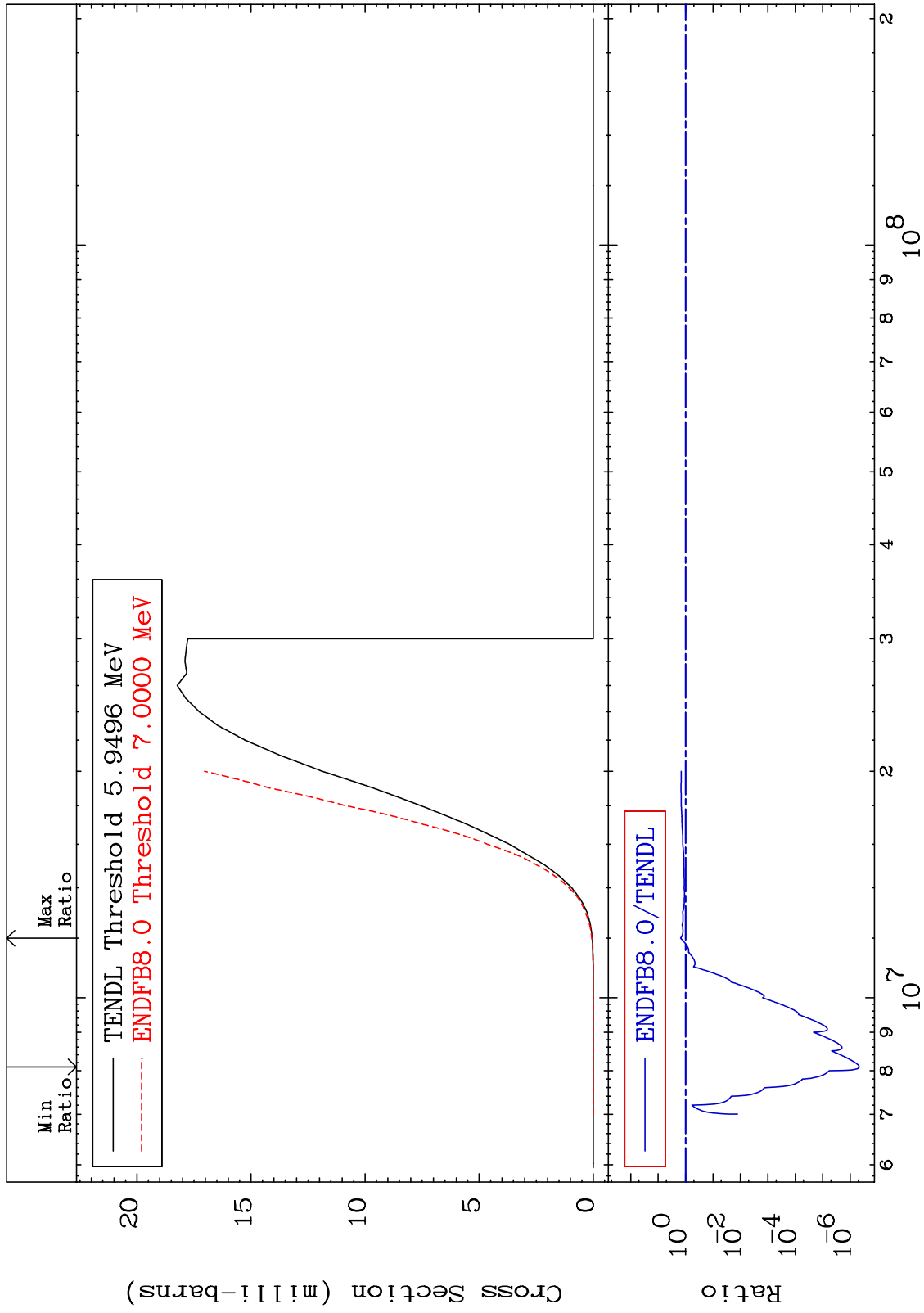
MAT 5234

(n, d)

52-Te-123

Cross Section

-100.0 To 51.20 %



27

Incident Energy (eV)

52-Te-123

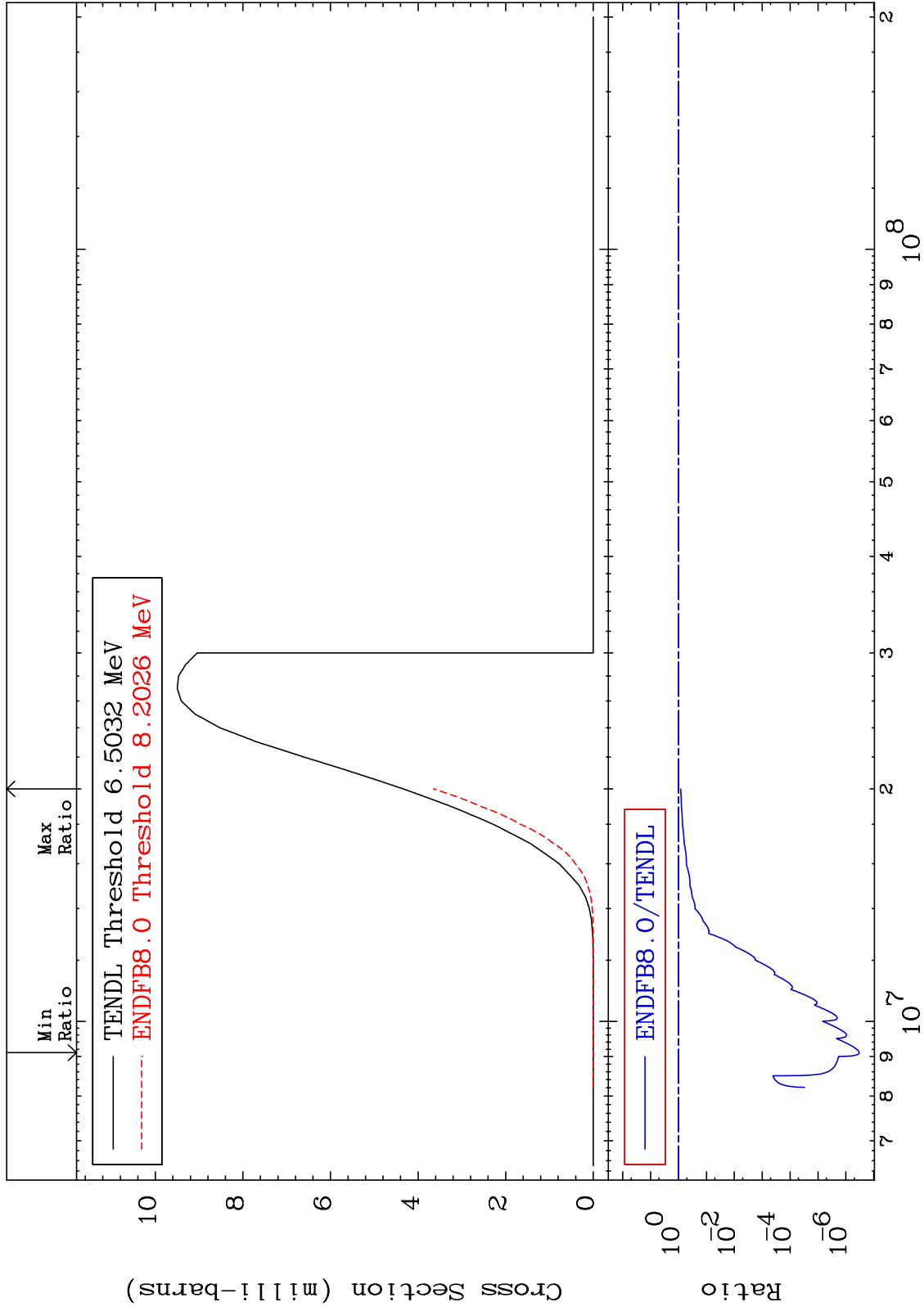
MAT 5234

(n, t)

52-Te-123

Cross Section

-100.0 To -15.84%



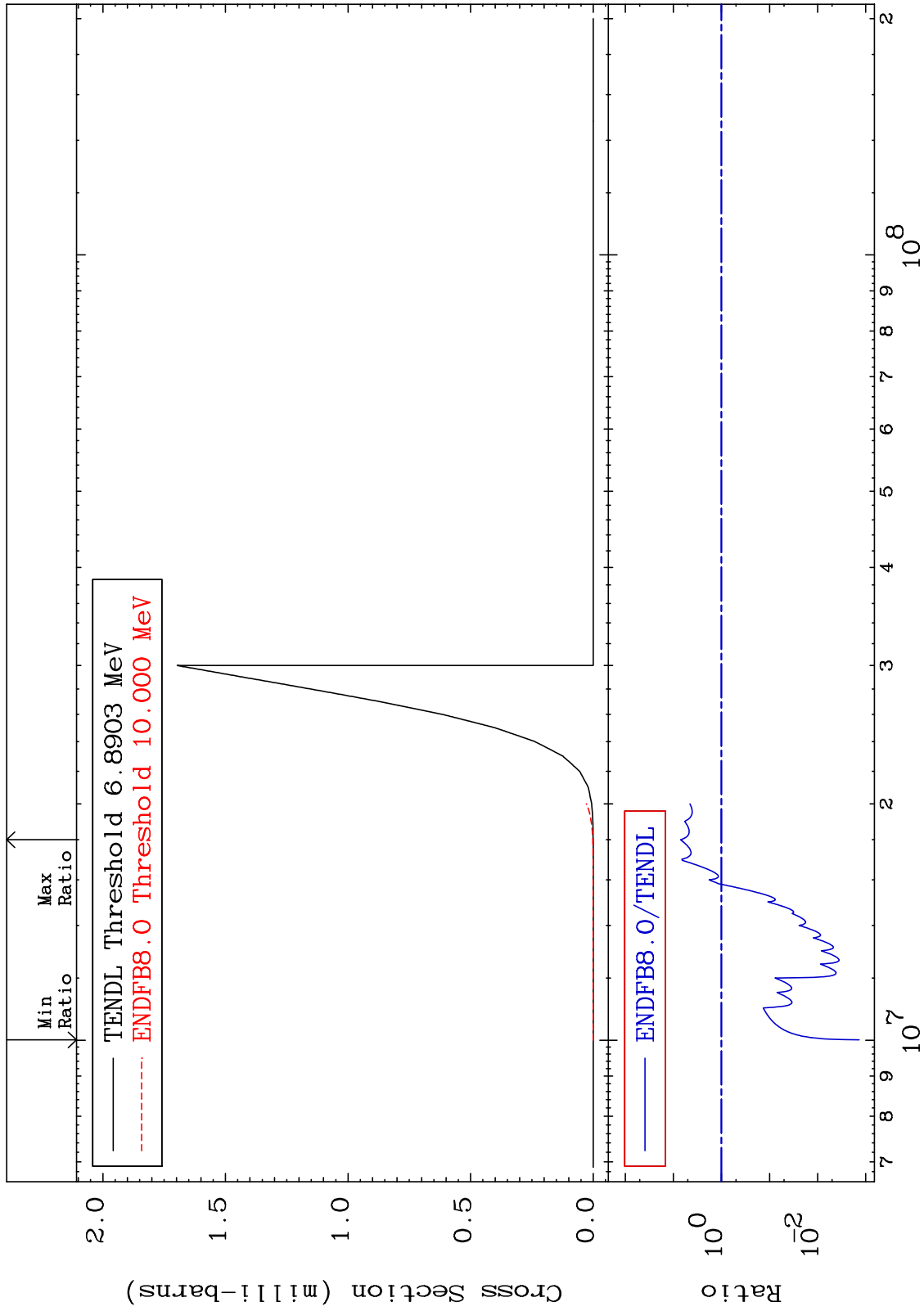
MAT 5234

(n, He-3)

52-Te-123

Cross Section

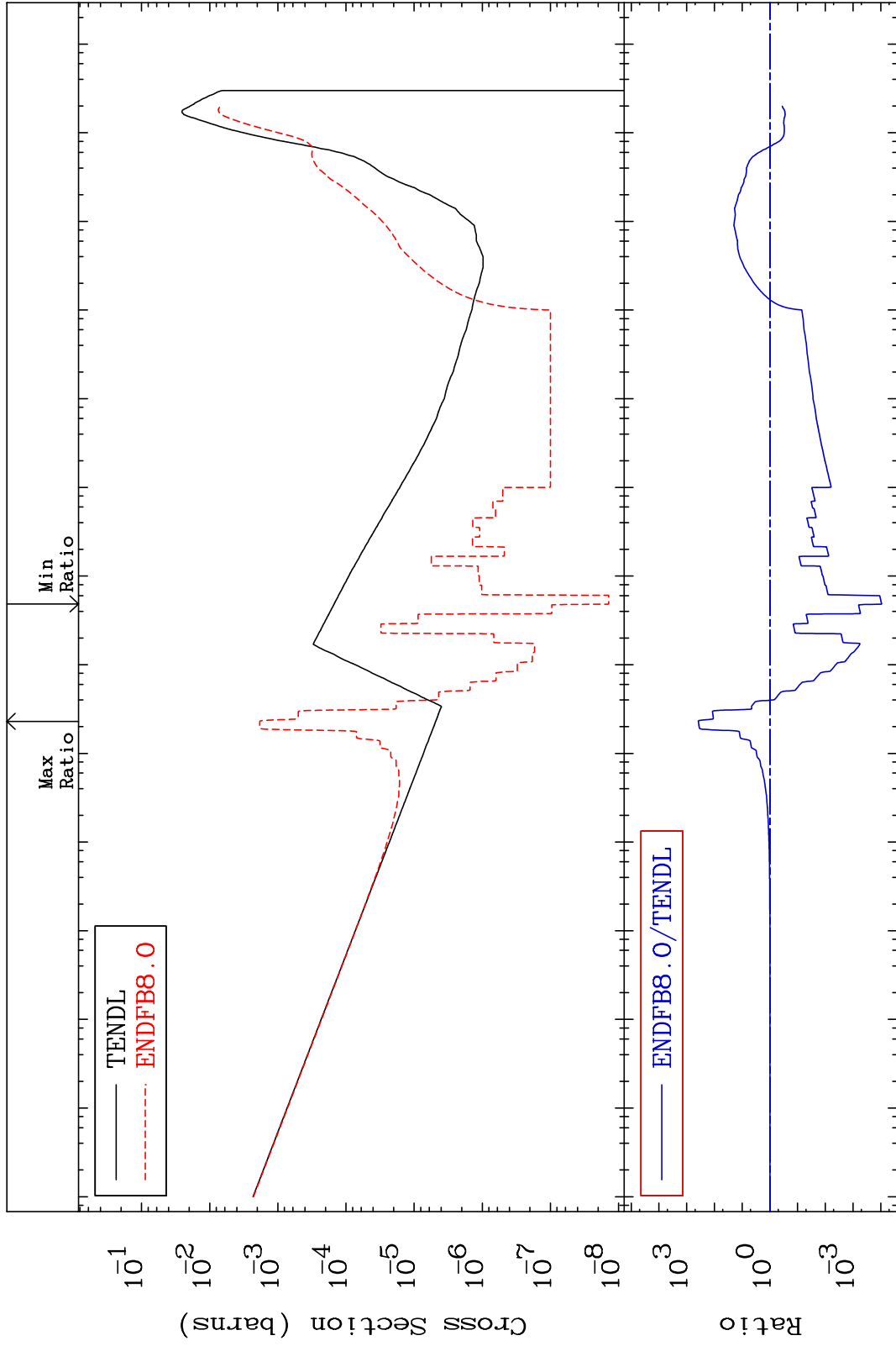
-99.86 To 605.8 %



MAT 5234

(n, α)
Cross Section

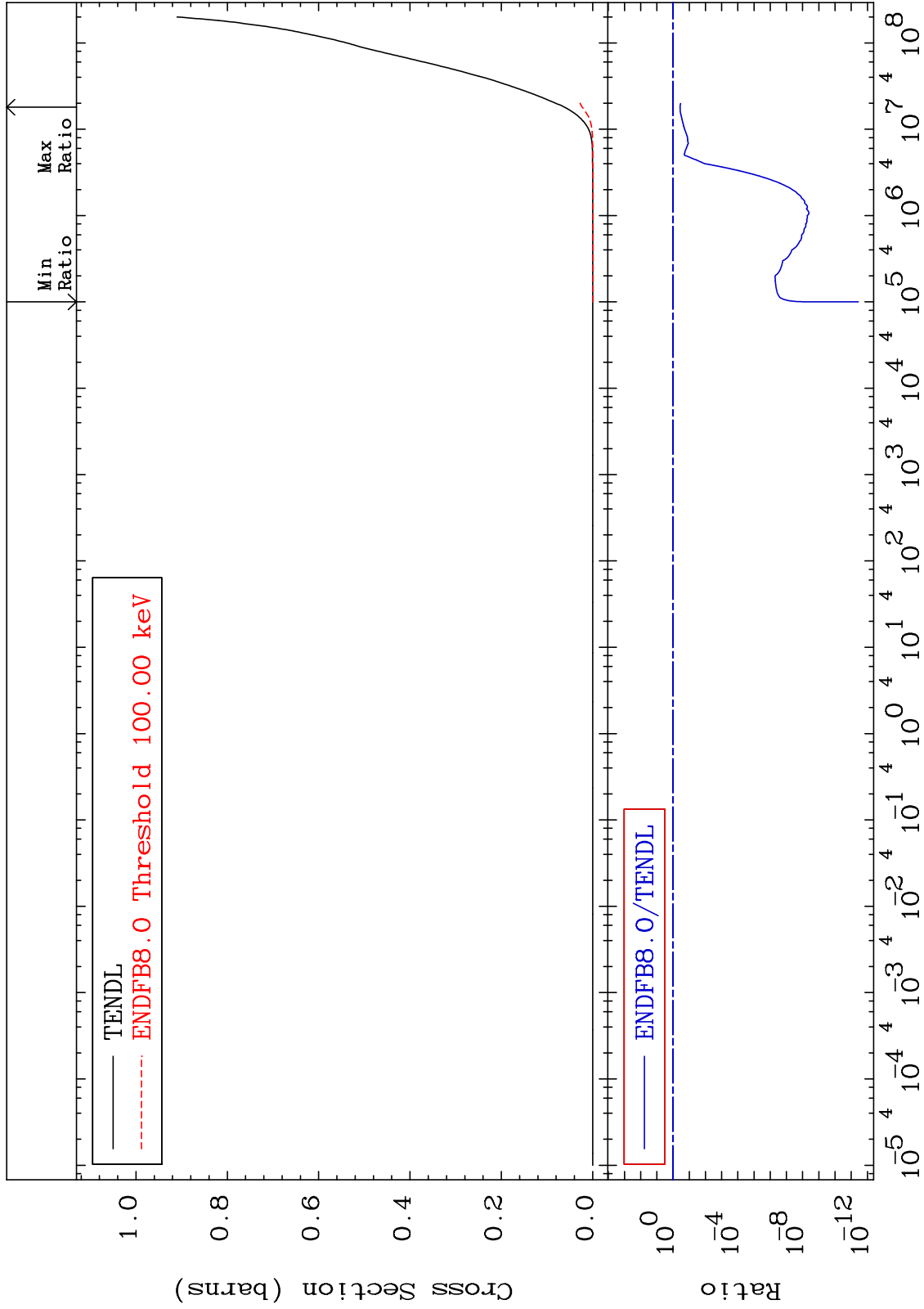
52-Te-123
-99.99 To 9999. %



MAT 5234

Hydrogen Production Cross Section

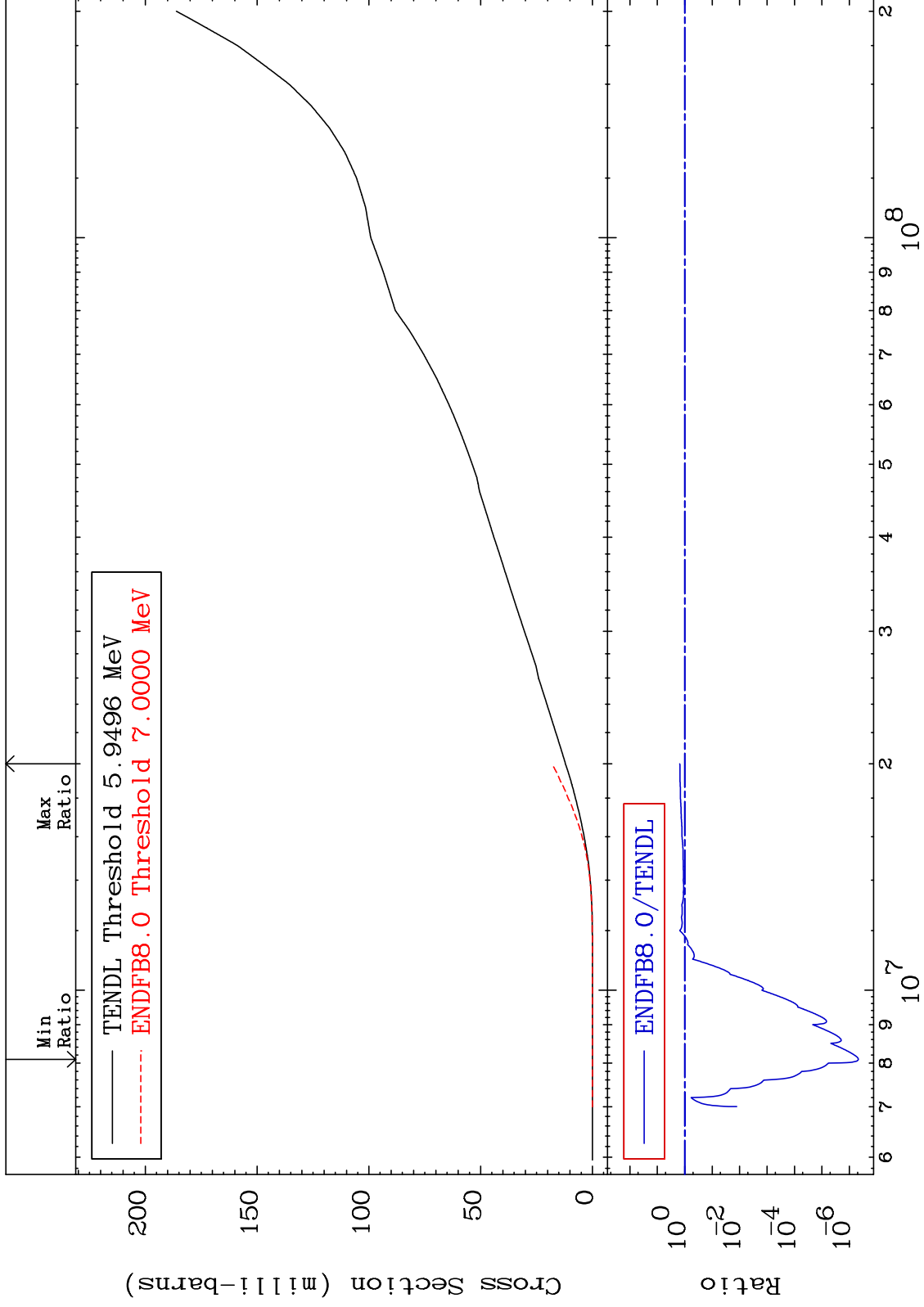
52-Te-123
-100.0 To -62.90%



MAT 5234

Deuterium Production
Cross Section

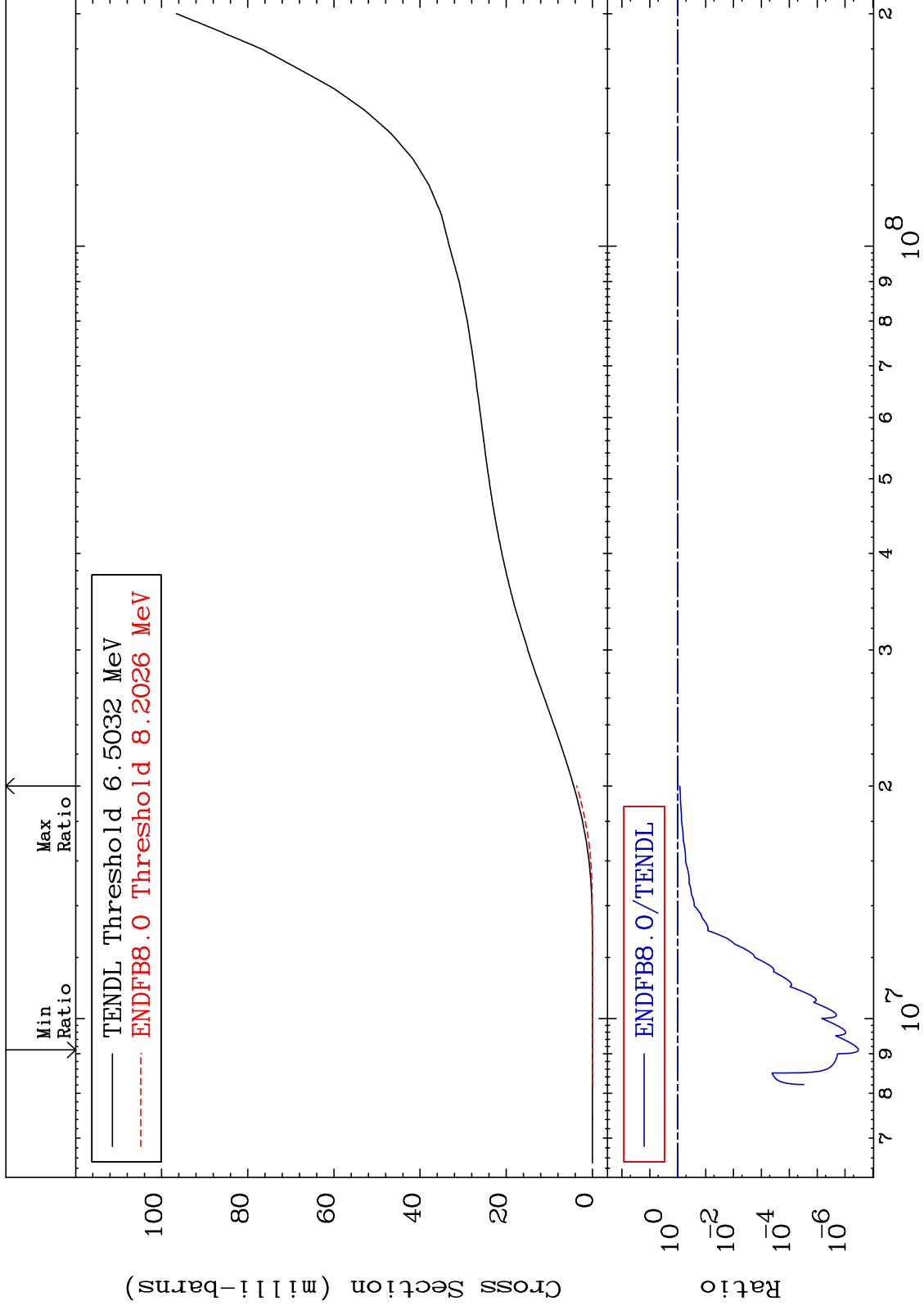
52-Te-123
-100.0 To 51.49 %



MAT 5234

Tritium Production
Cross Section

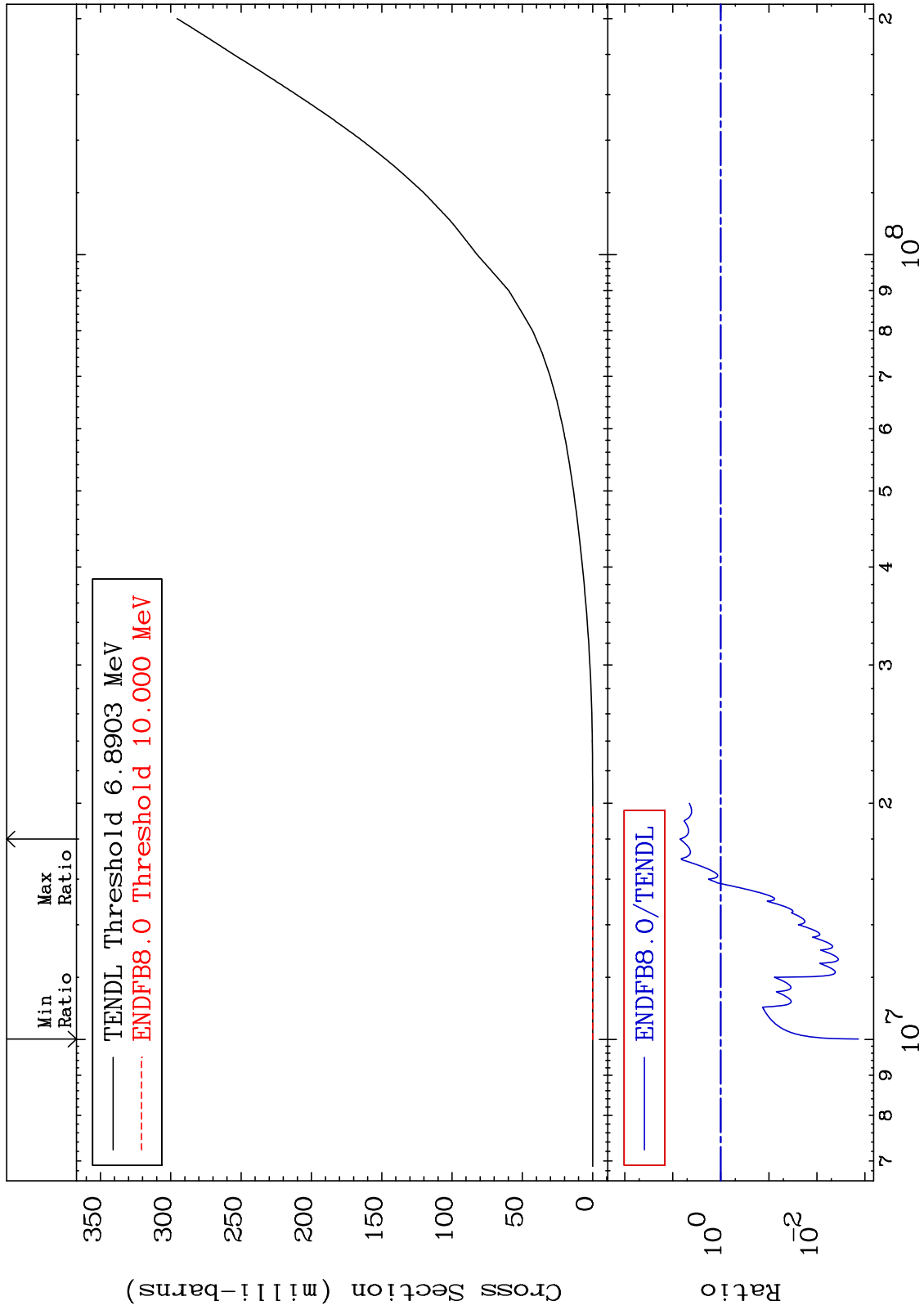
52-Te-123
-100.0 To -15.84%



MAT 5234

He-3 Production
Cross Section

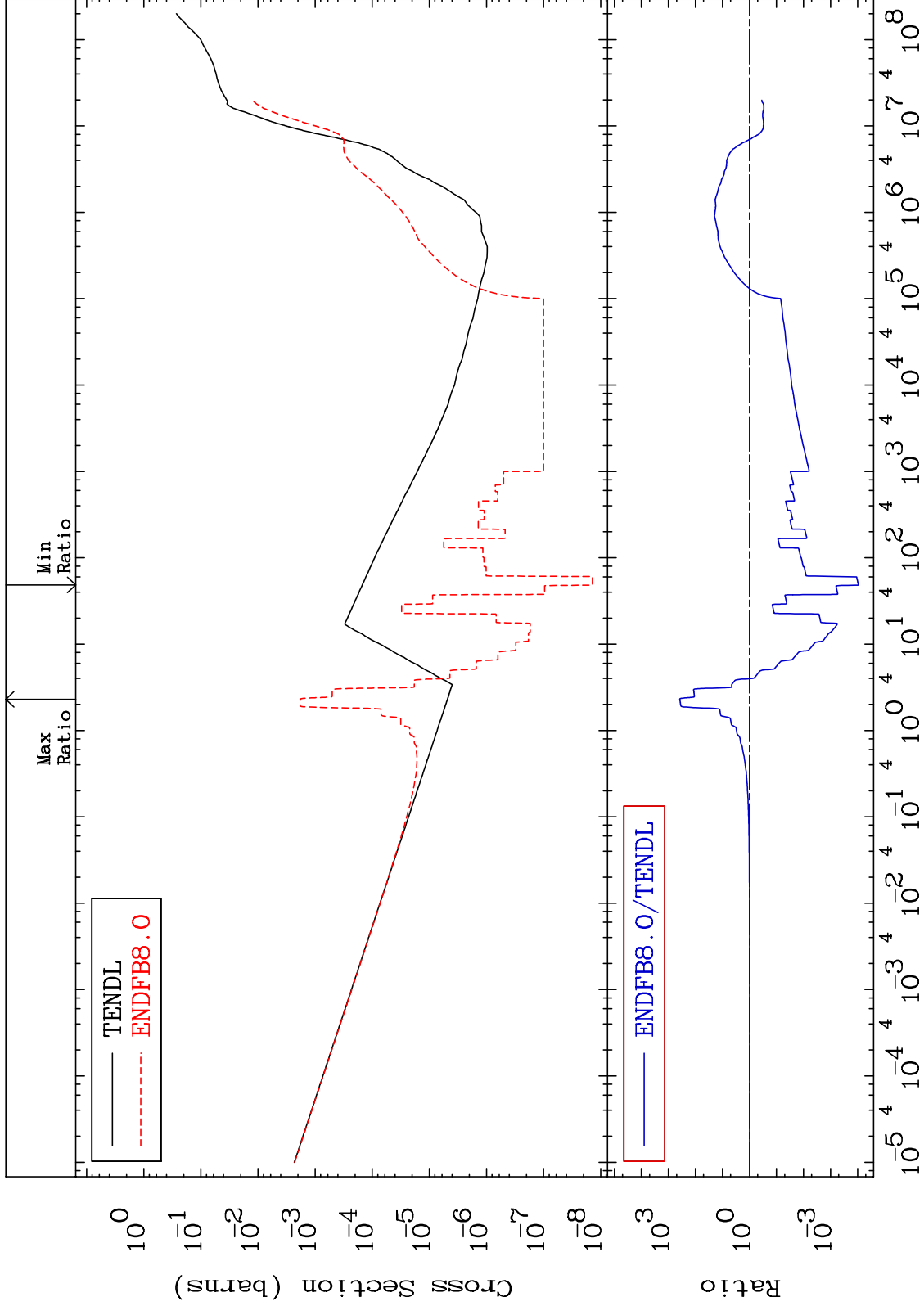
52-Te-123
-99.86 To 605.8 %



MAT 5234

He-4 Production
Cross Section

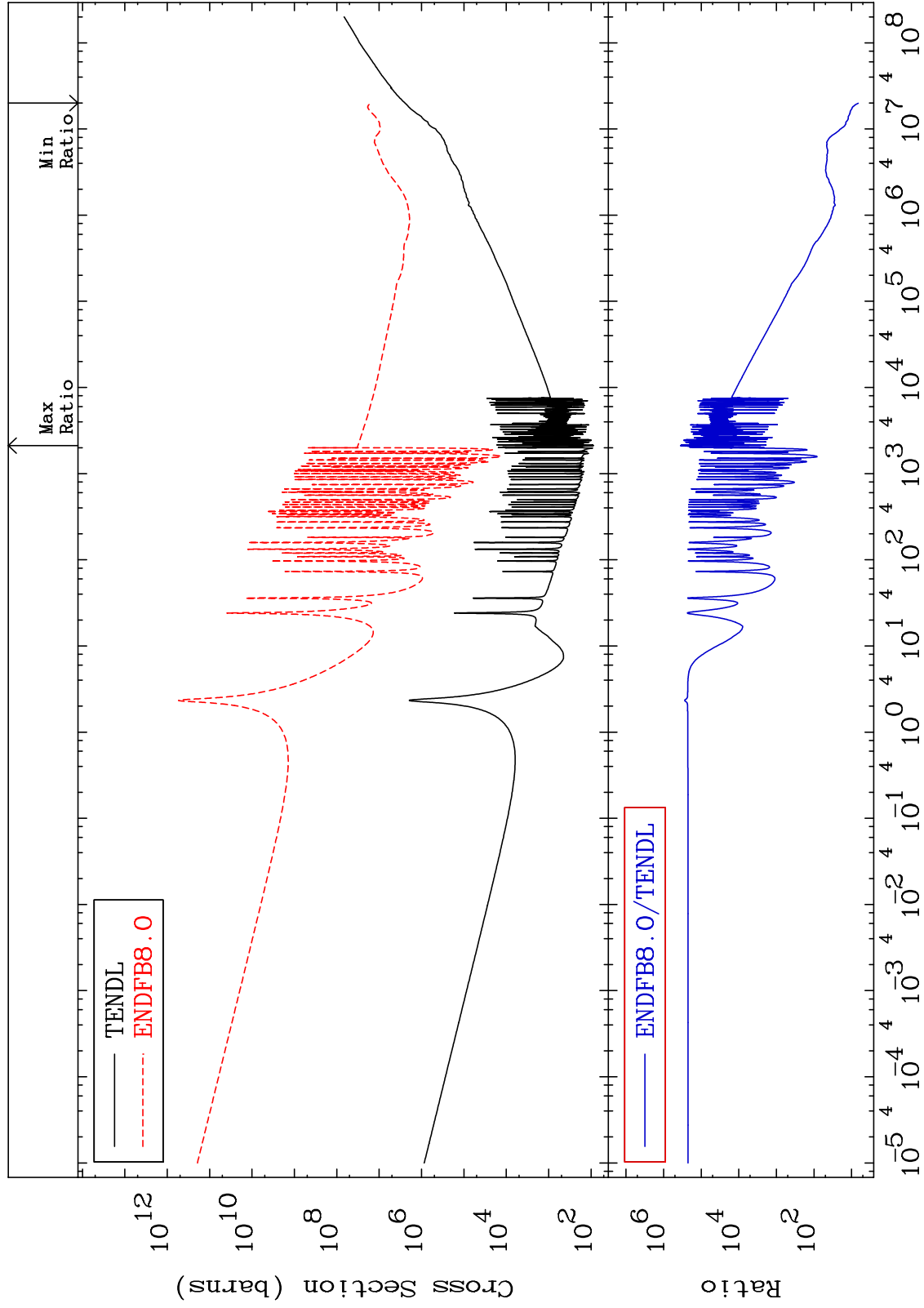
52-Te-123
-99.99 To 9999. %



MAT 5234

Kerma total (eV-barns)
Cross Section

52-Te-123
553.1 To 9999. %



36

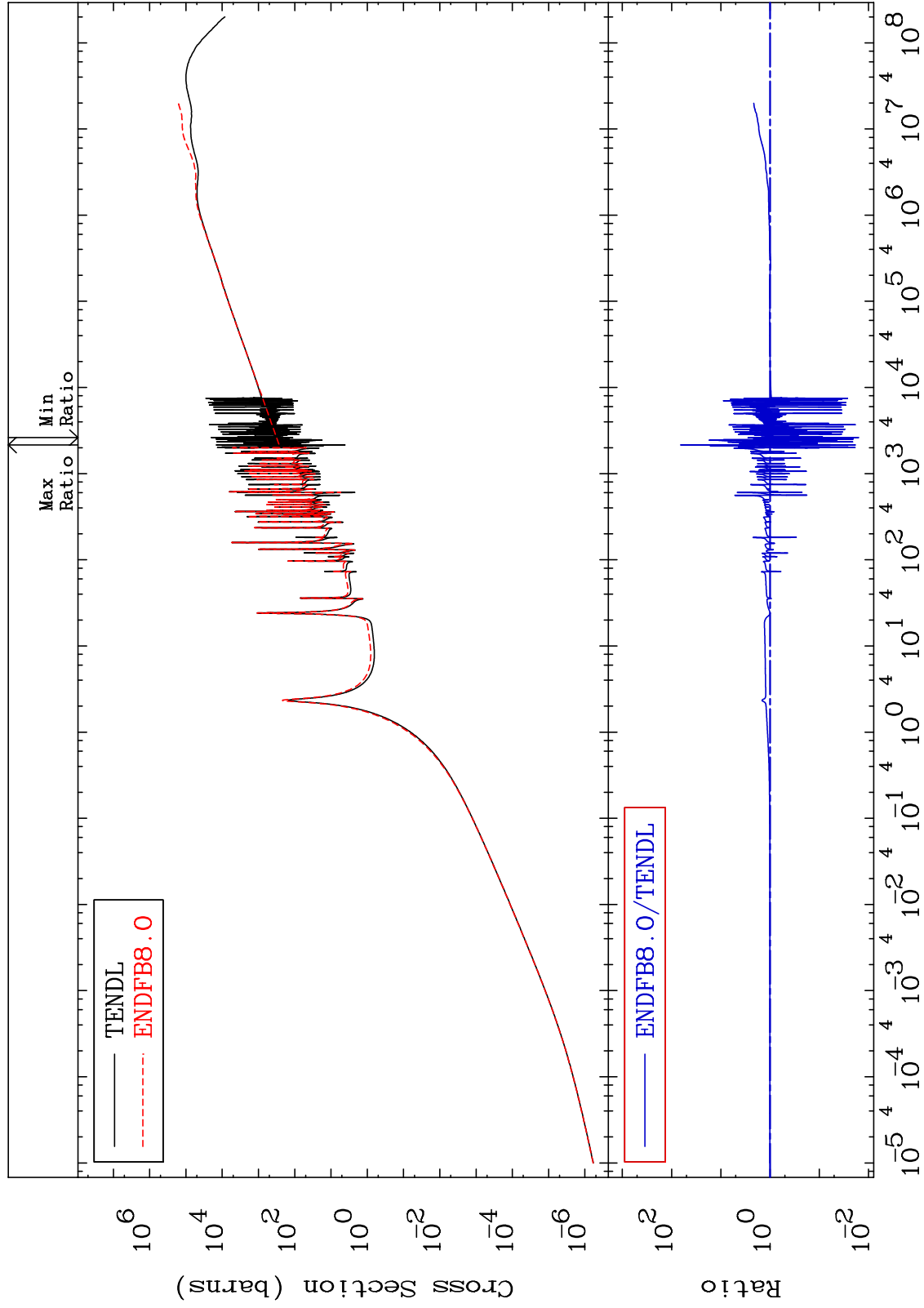
Incident Energy (eV)

52-Te-123

MAT 5234

Kerma elastic
Cross Section

52-Te-123
-98.41 To 6500. %



37

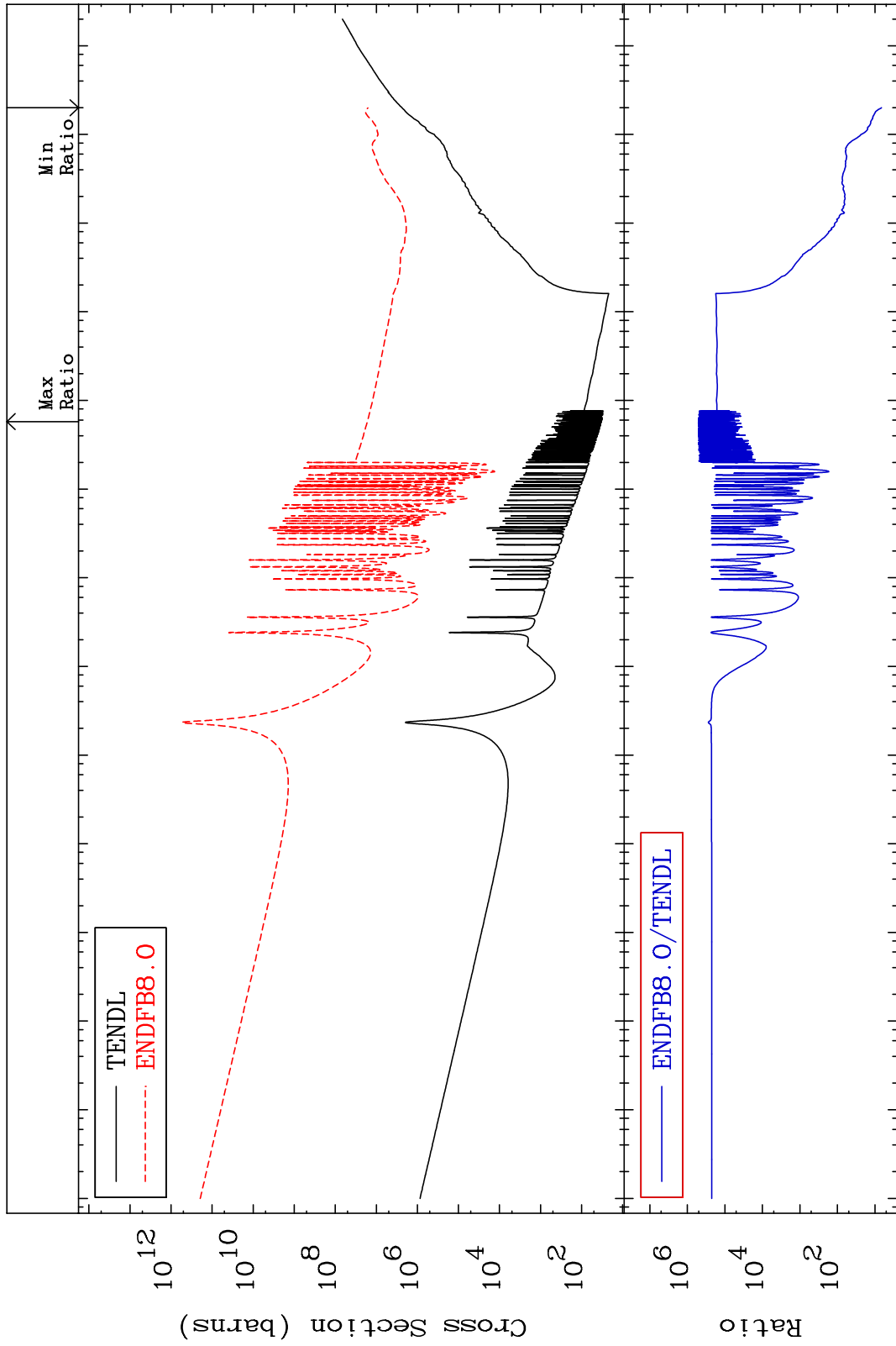
Incident Energy (eV)

52-Te-123

MAT 5234

Kerma non-elastic (all but mt2)
Cross Section

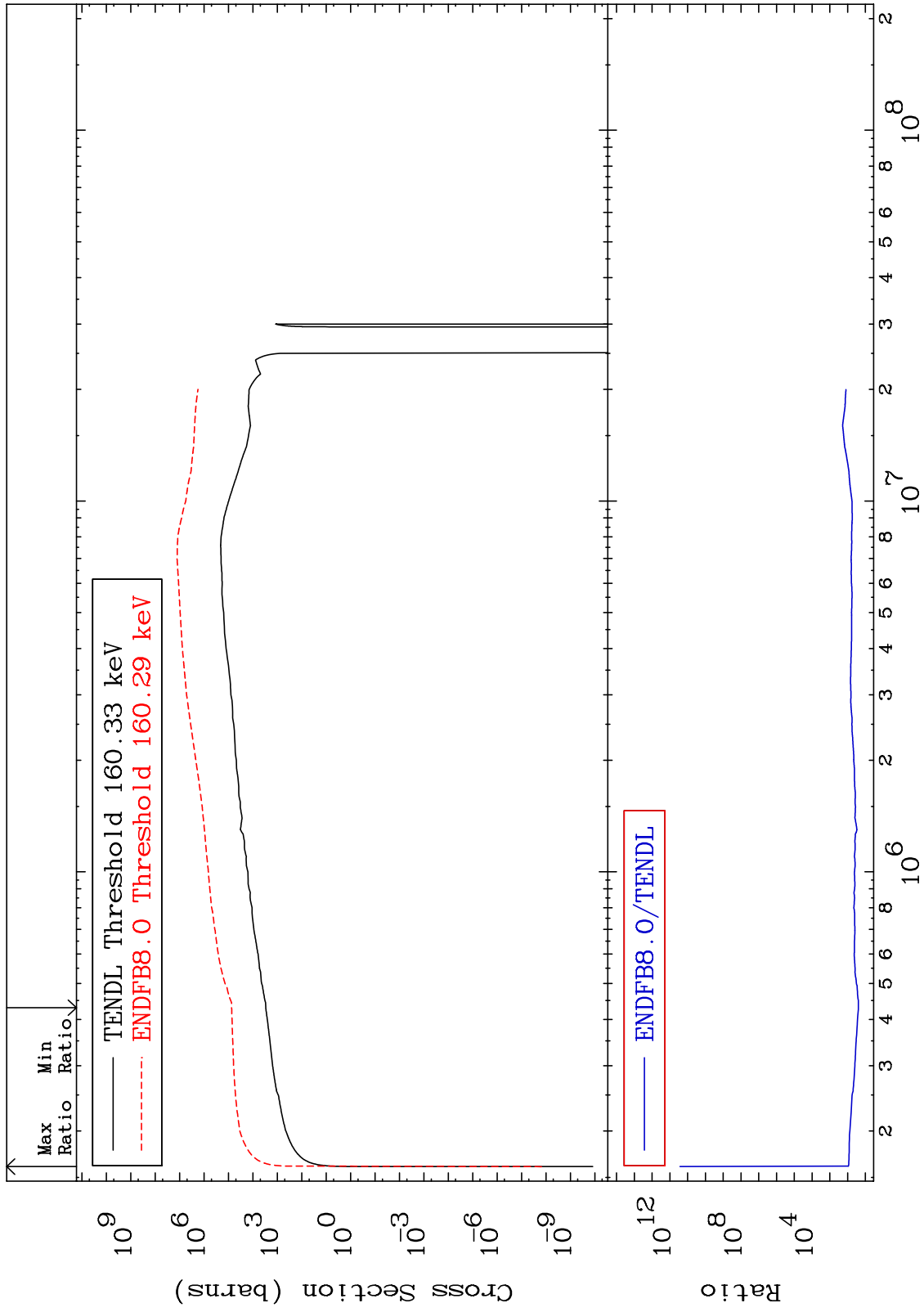
52-Te-123
567.0 To 9999. %



MAT 5234

Kerma inelastic (mt51-91)
Cross Section

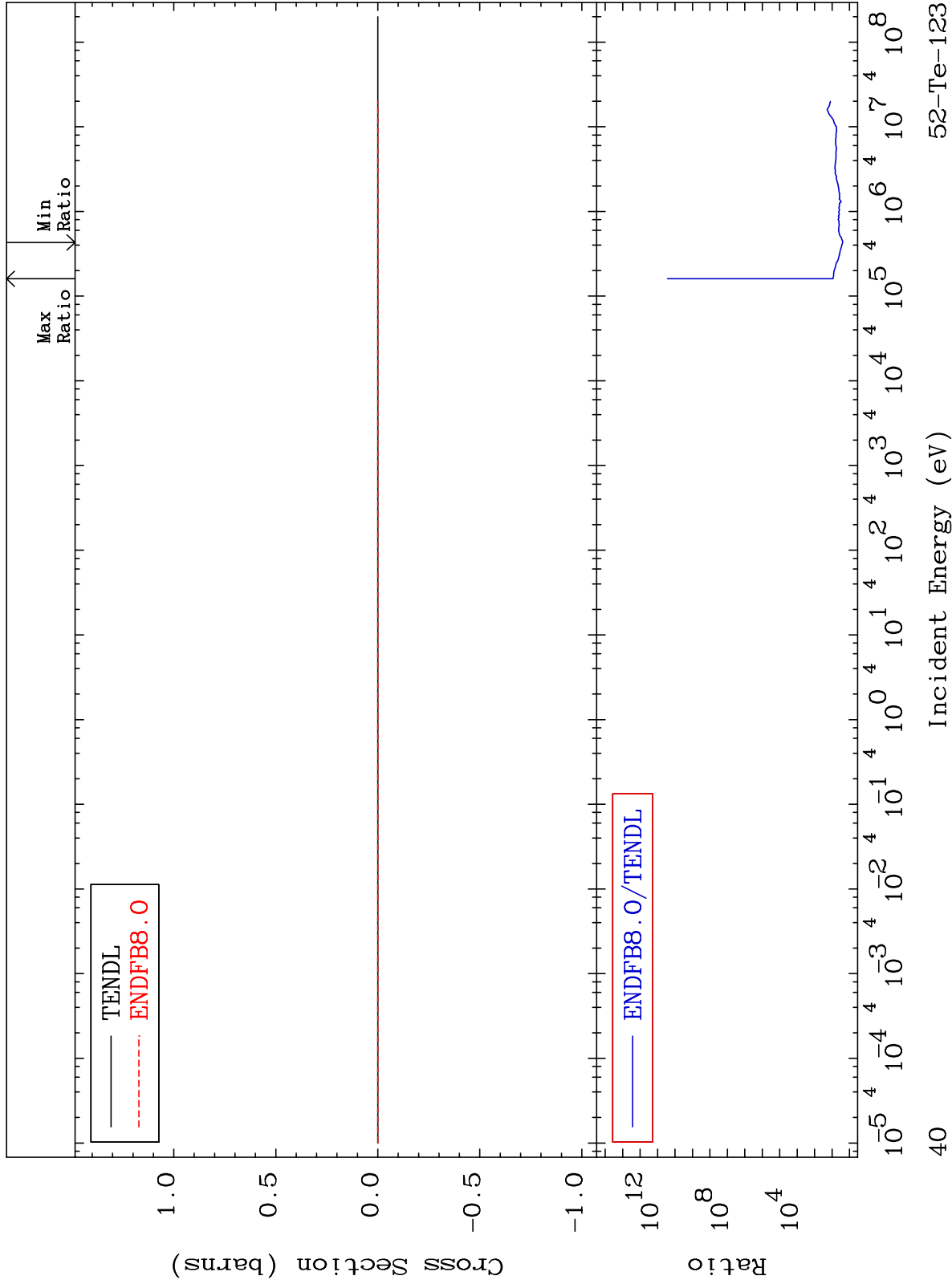
52-Te-123
2381. To 9999. %



MAT 5234

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

52-Te-123
2381. To 9999. %



40

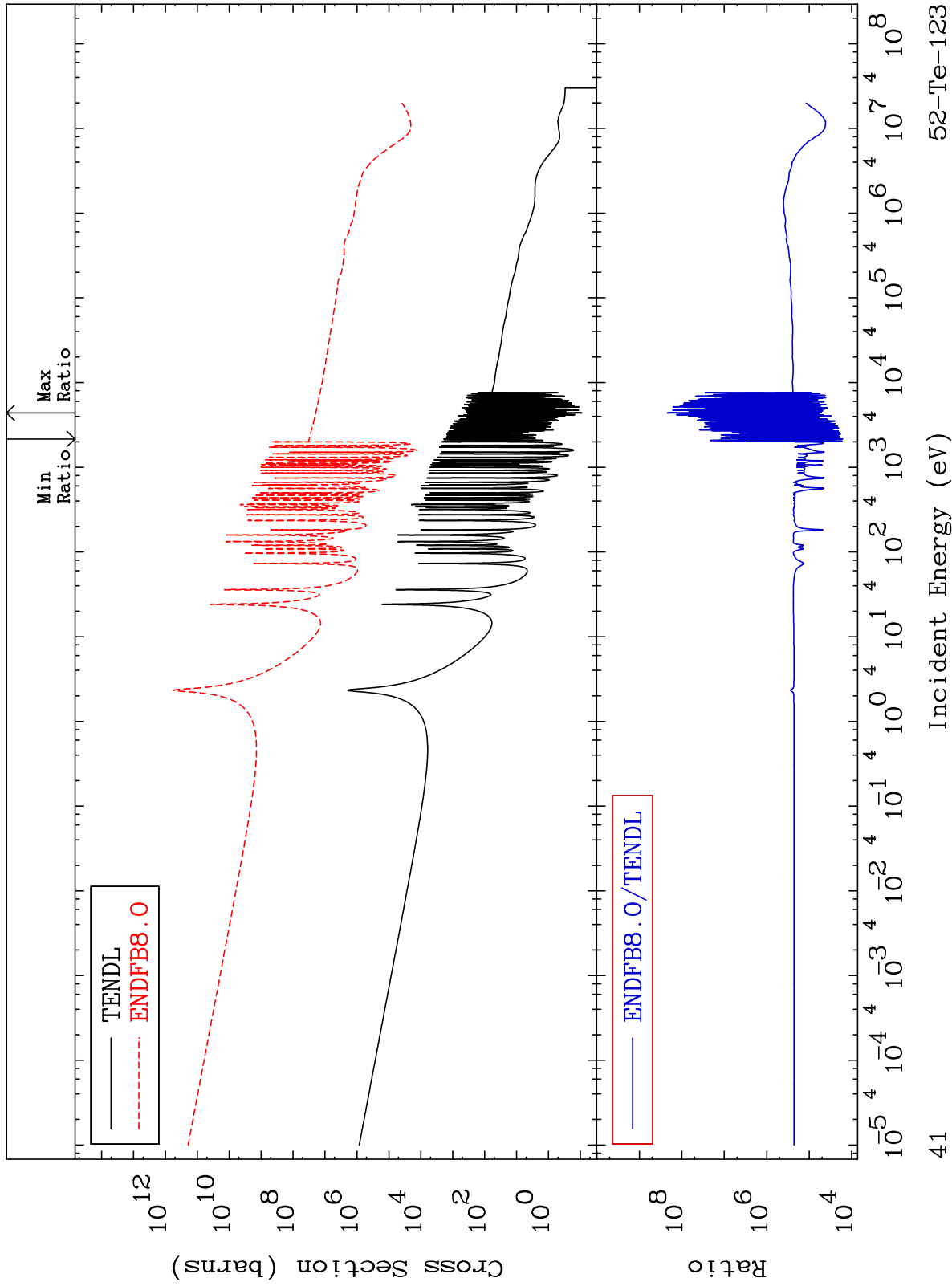
Incident Energy (eV)

52-Te-123

MAT 5234

Kerma capture (mt102)
Cross Section

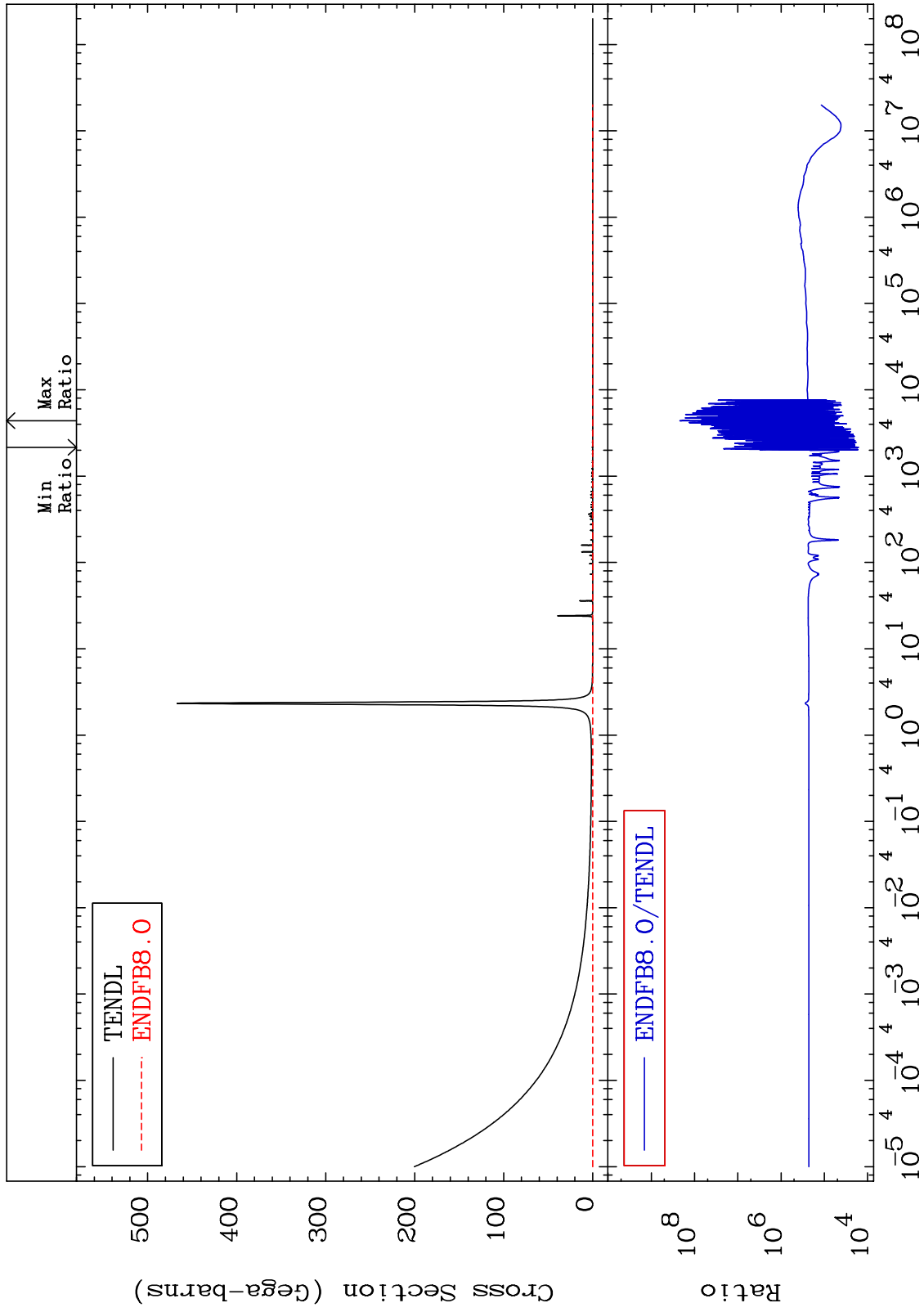
52-Te-123
9999. To 9999. %



MAT 5234

Total photon (eV-barns)
Cross Section

52-Te-123
9999. To 9999. %



42

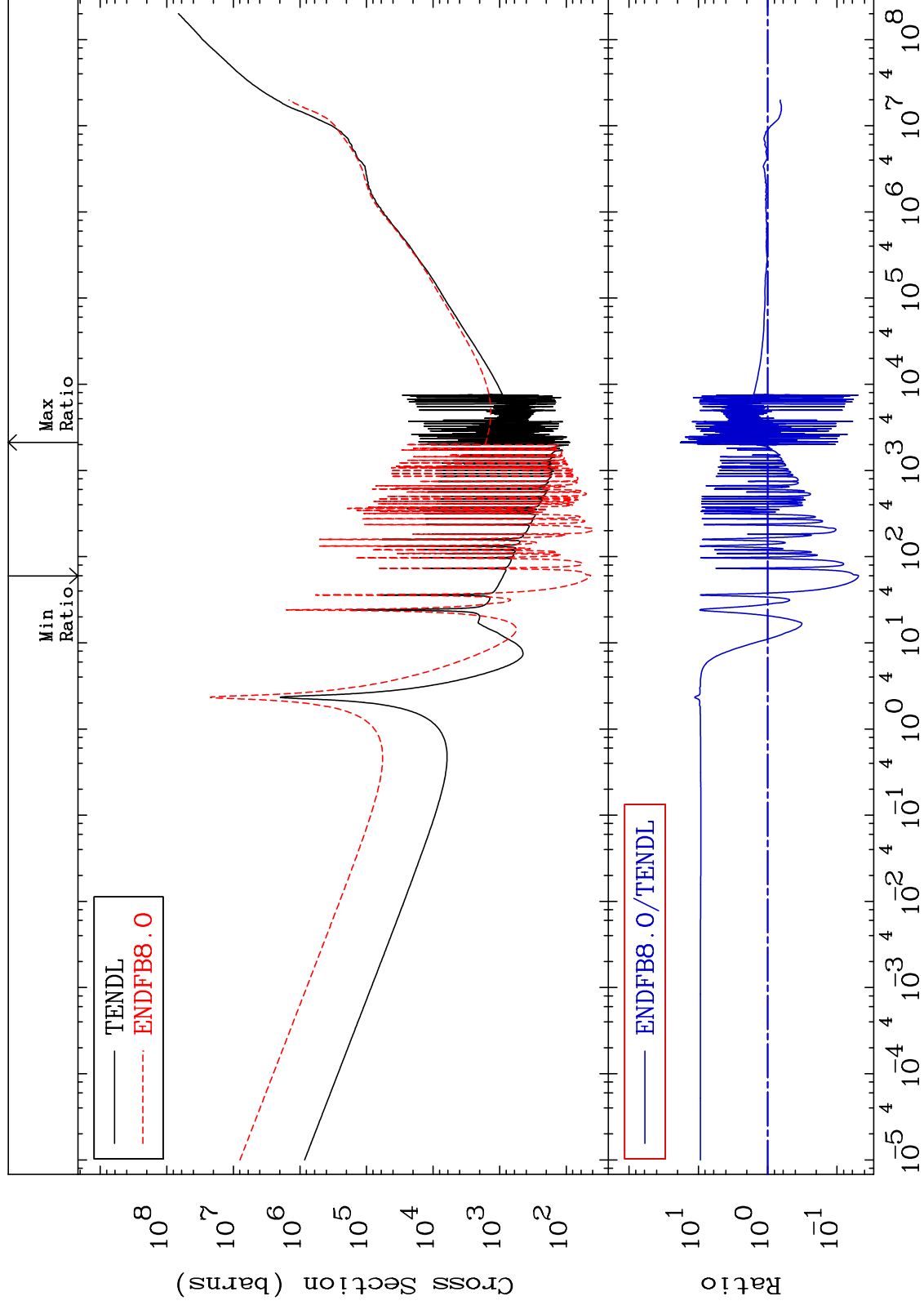
Incident Energy (eV)

52-Te-123

MAT 5234

Total kinematic kerma (high limit)
Cross Section

52-Te-123
-95.10 To 1712. %



43

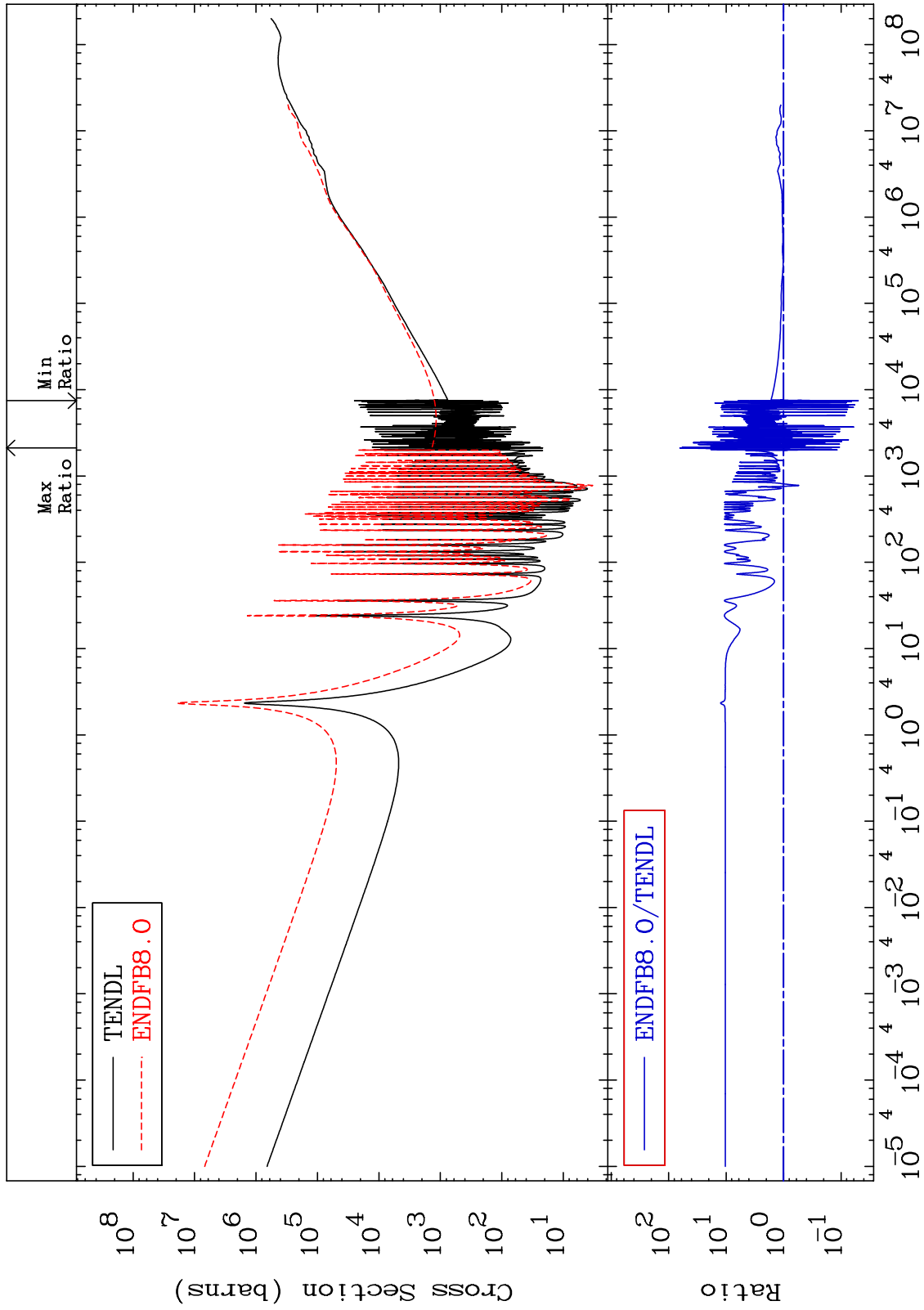
Incident Energy (eV)

52-Te-123

MAT 5234

Dpa total (eV-barns)
Cross Section

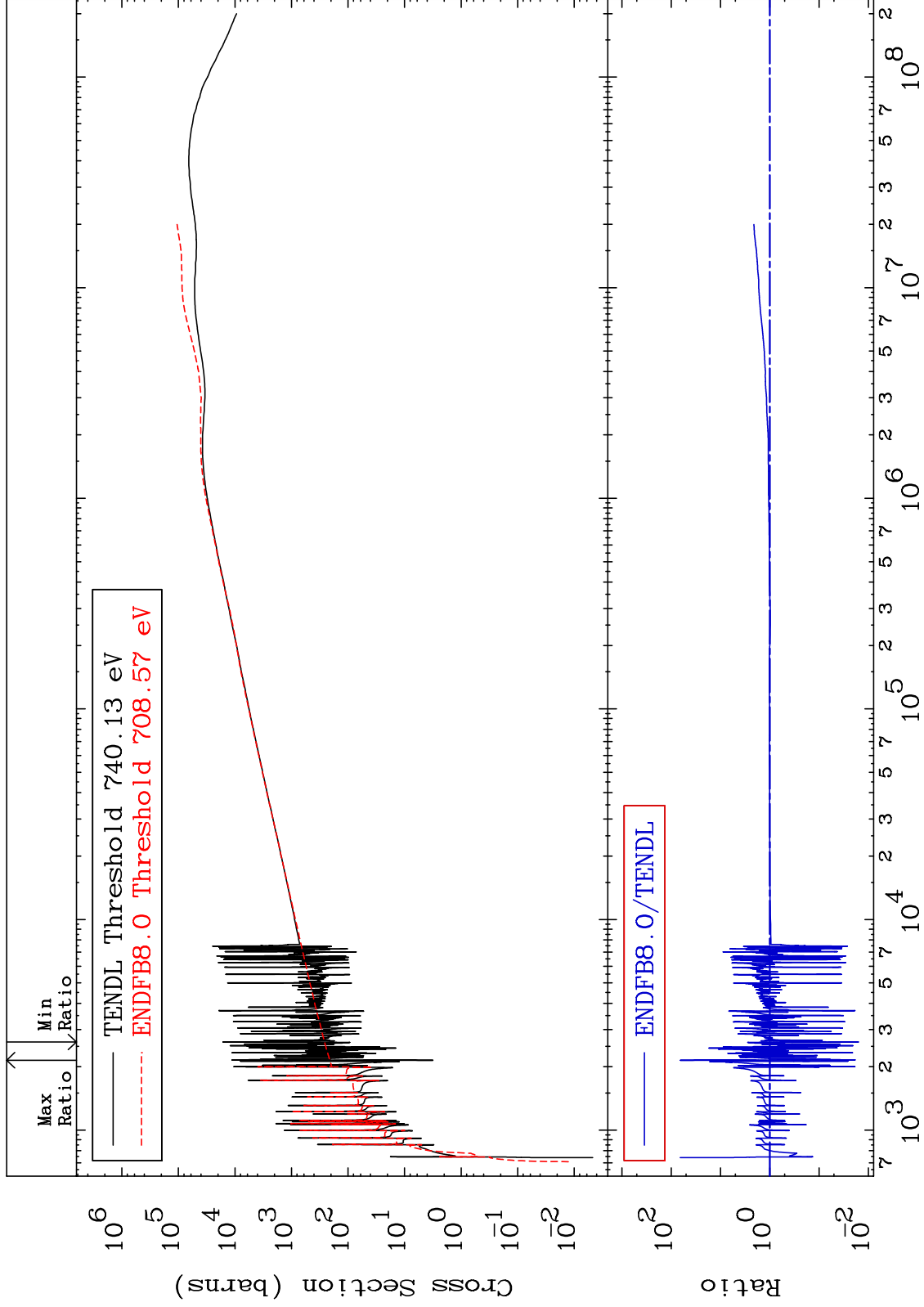
52-Te-123
-95.01 To 6234. %



MAT 5234

Dpa elastic (mt2)
Cross Section

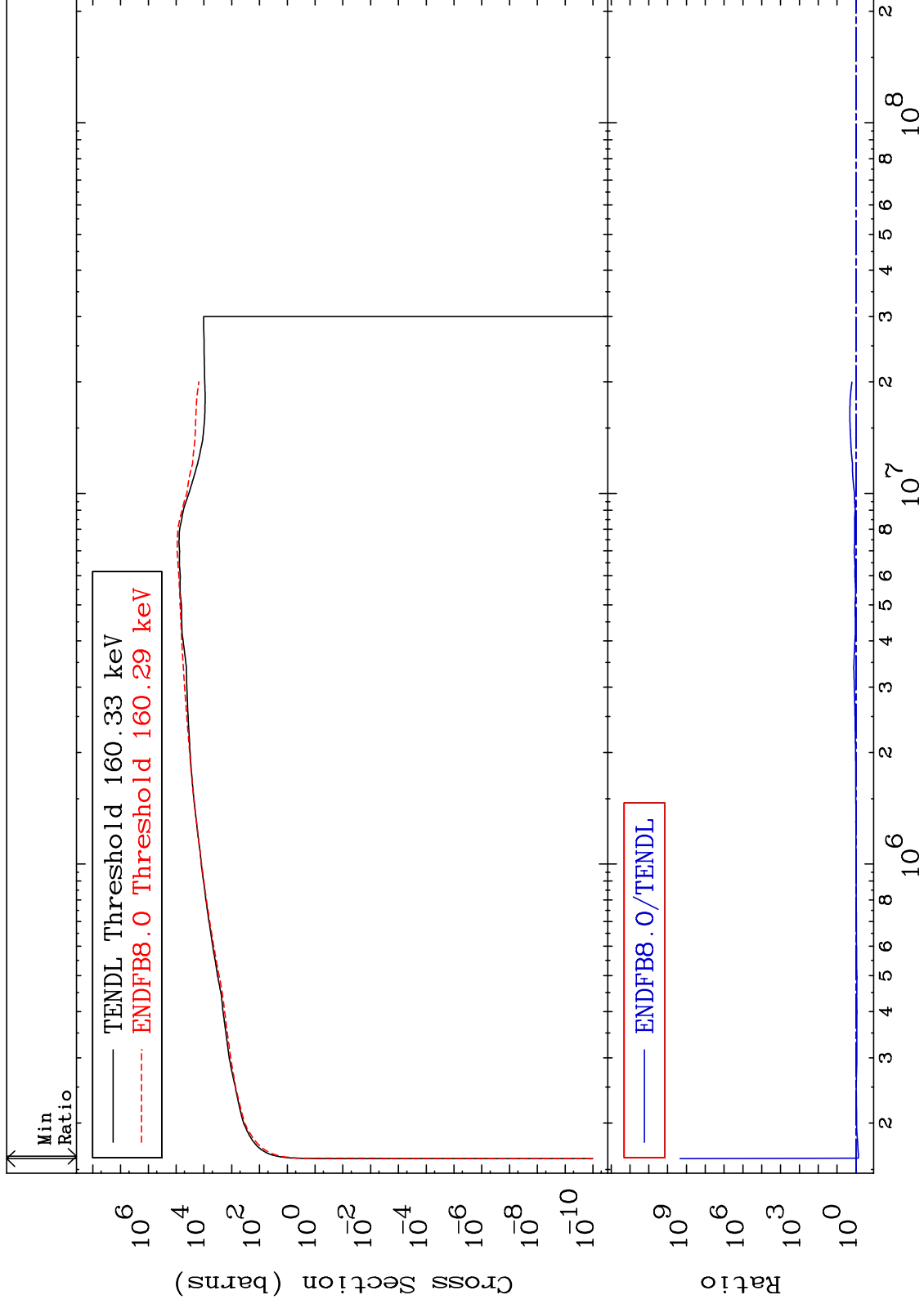
52-Te-123
-98.41 To 6506. %



MAT 5234

Dpa inelastic (mt51-91)
Cross Section

52-Te-123
-26.78 To 9999. %



MAT 5234

Dpa disappearance (mt102 -120)
Cross Section

52-Te-123
-74.51 To 9999. %

