

Program Complot
(Version 2018-1)

by

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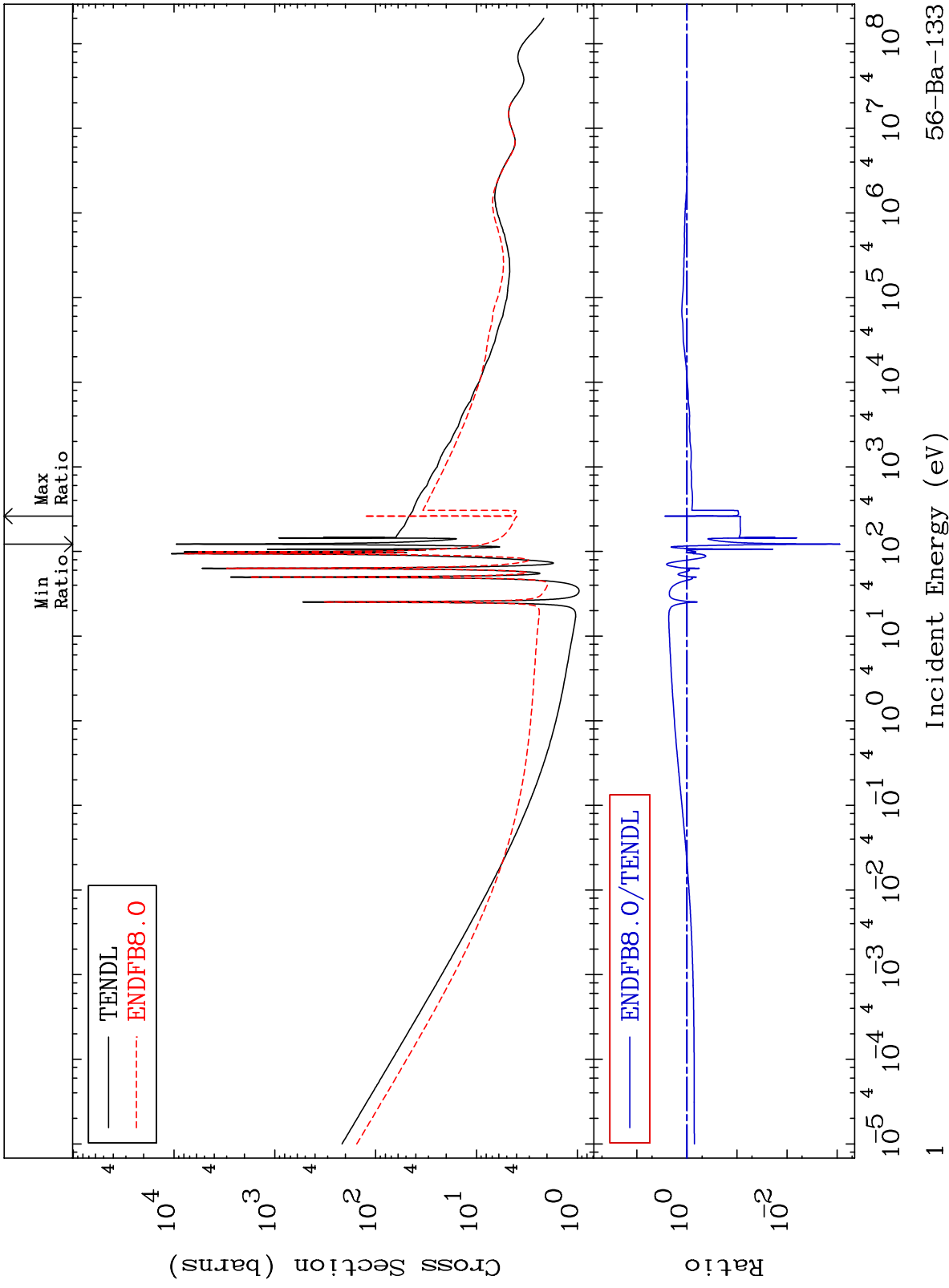
Press Mouse Button to Start

MAT 5634

Total
Cross Section

56-Ba-133

-99.91 To 178.0 %

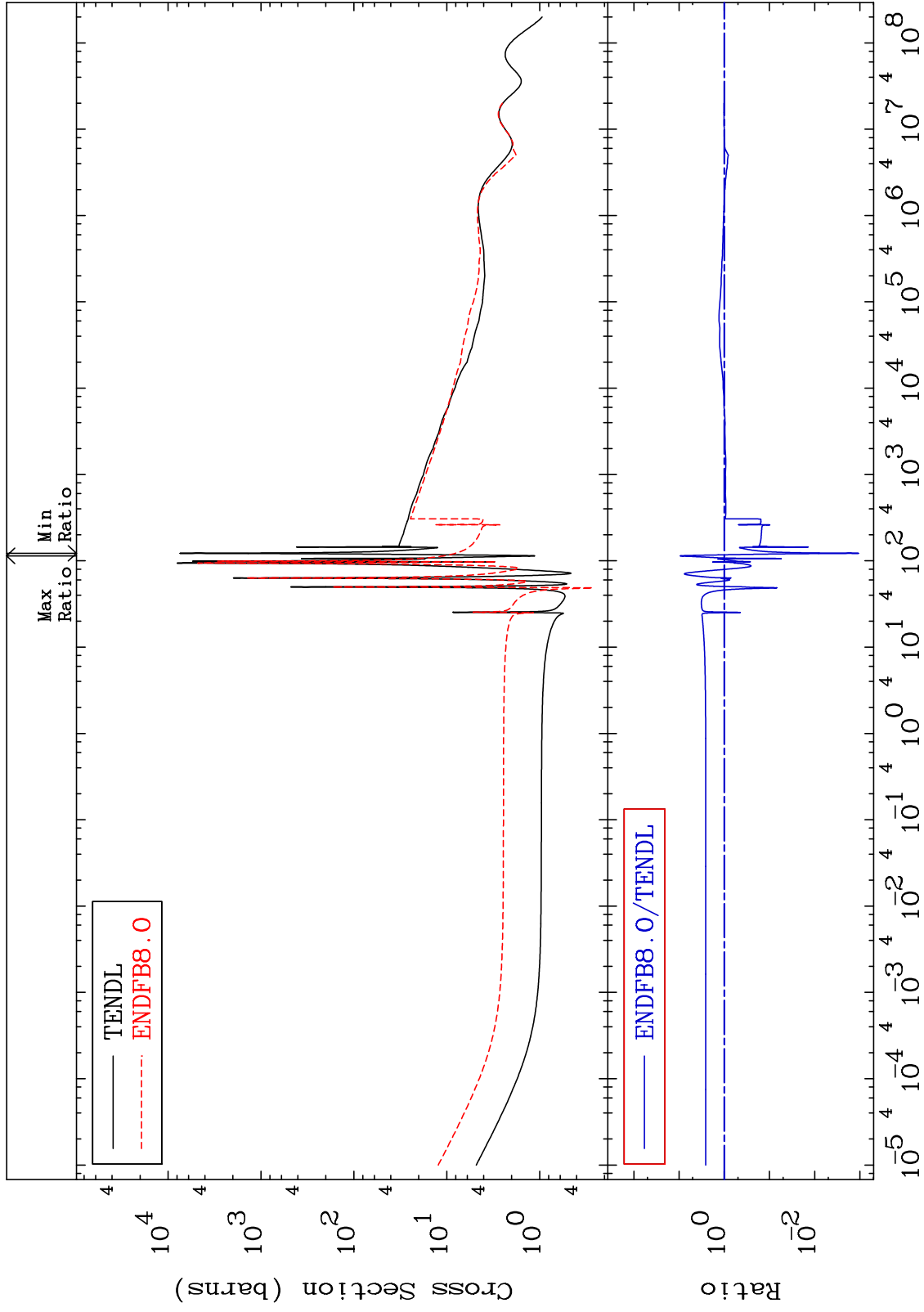


56-Ba-133

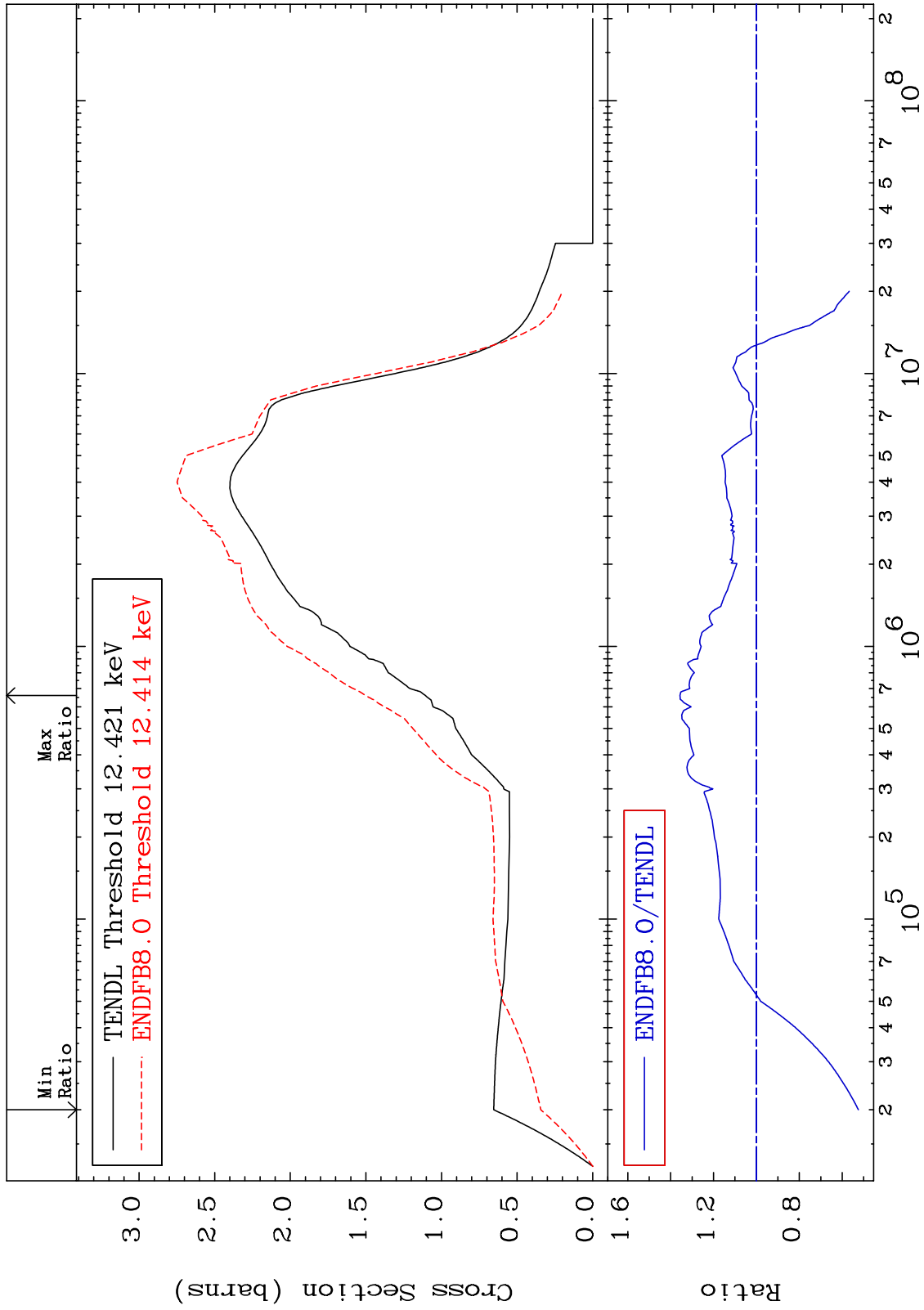
MAT 5634

Elastic
Cross Section

56-Ba-133
-99.89 To 852.3 %



MAT 5634 Inelastic Cross Section 56-Ba-133 -47.56 To 35.62 %



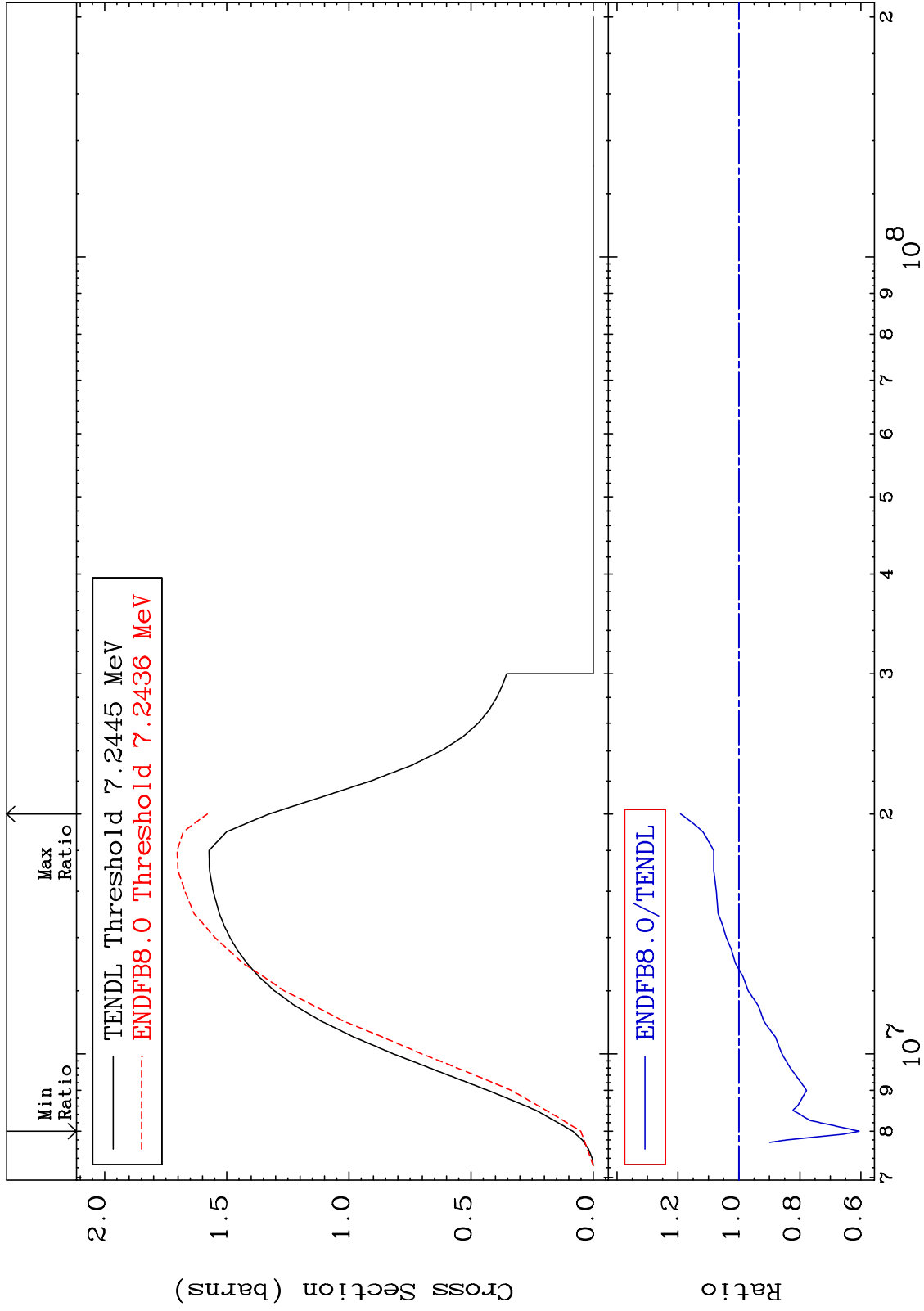
MAT 5634

(n, 2n)

56-Ba-133

Cross Section

-39.45 To 19.12 %



4

Incident Energy (eV)

56-Ba-133

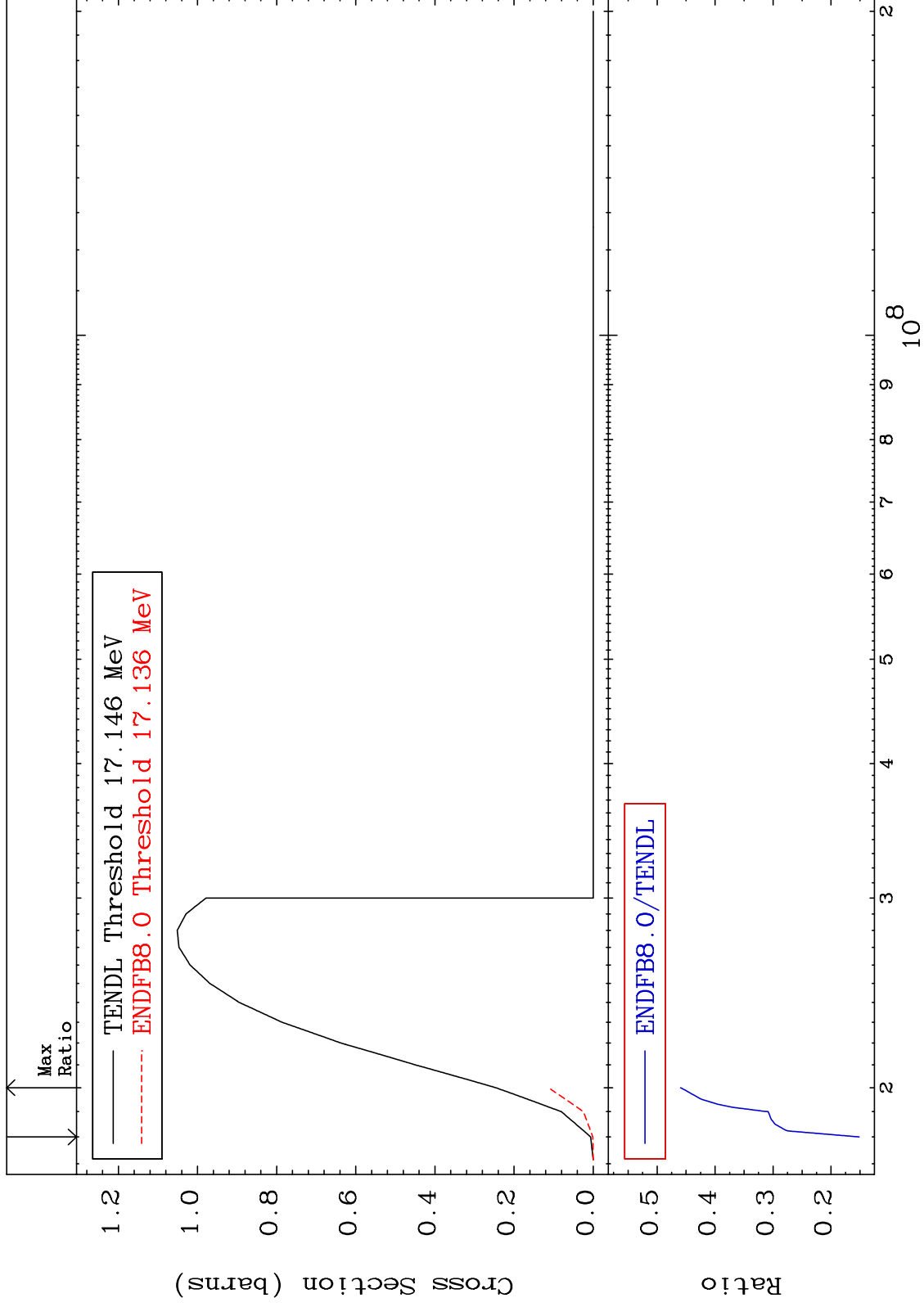
MAT 5634

(n, 3n)

56-Ba-133

Cross Section

-84.85 To -54.05%



5

Incident Energy (eV)

56-Ba-133

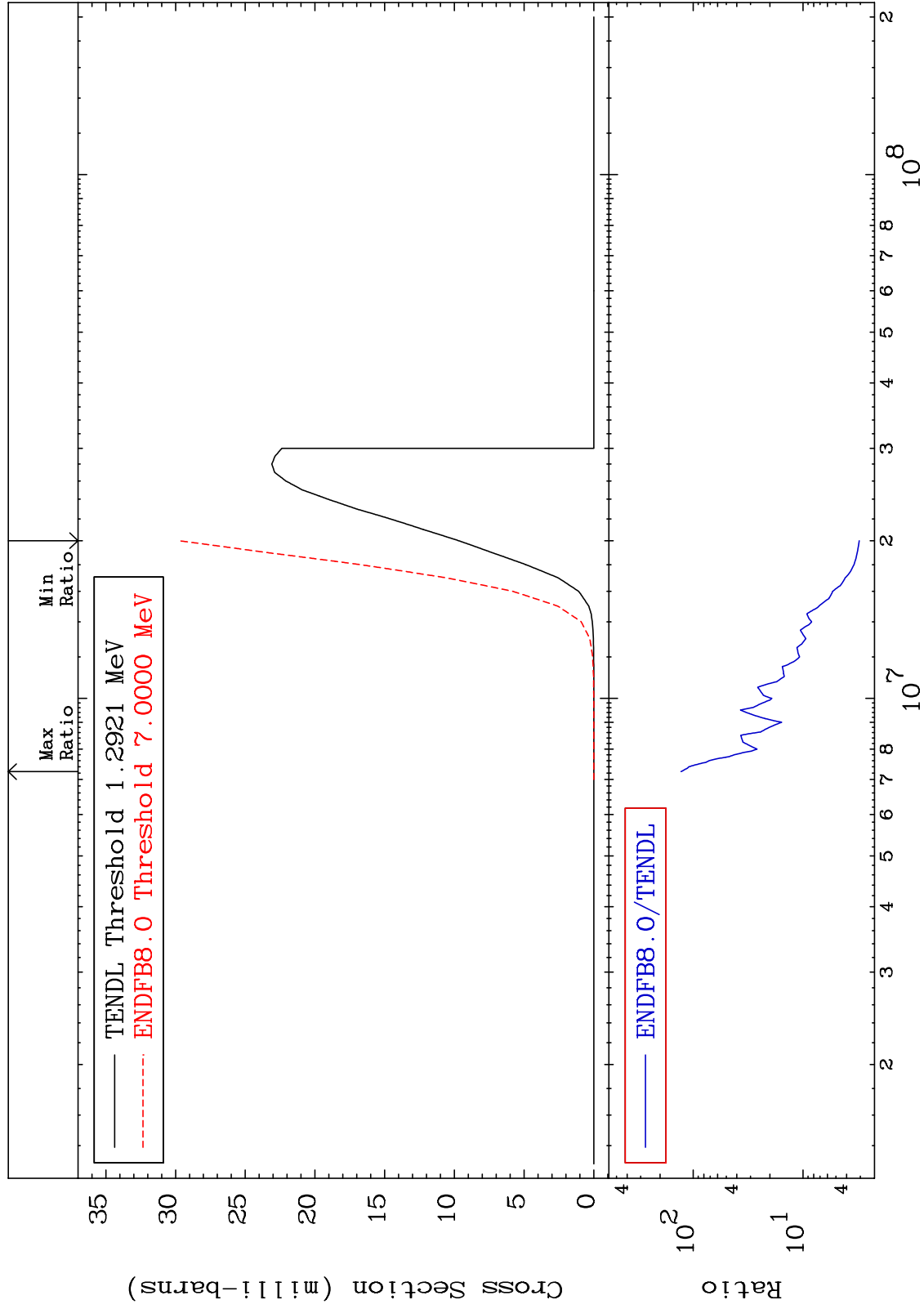
MAT 5634

(n,n') α

56-Ba-133

207.0 To 9999. %

Cross Section



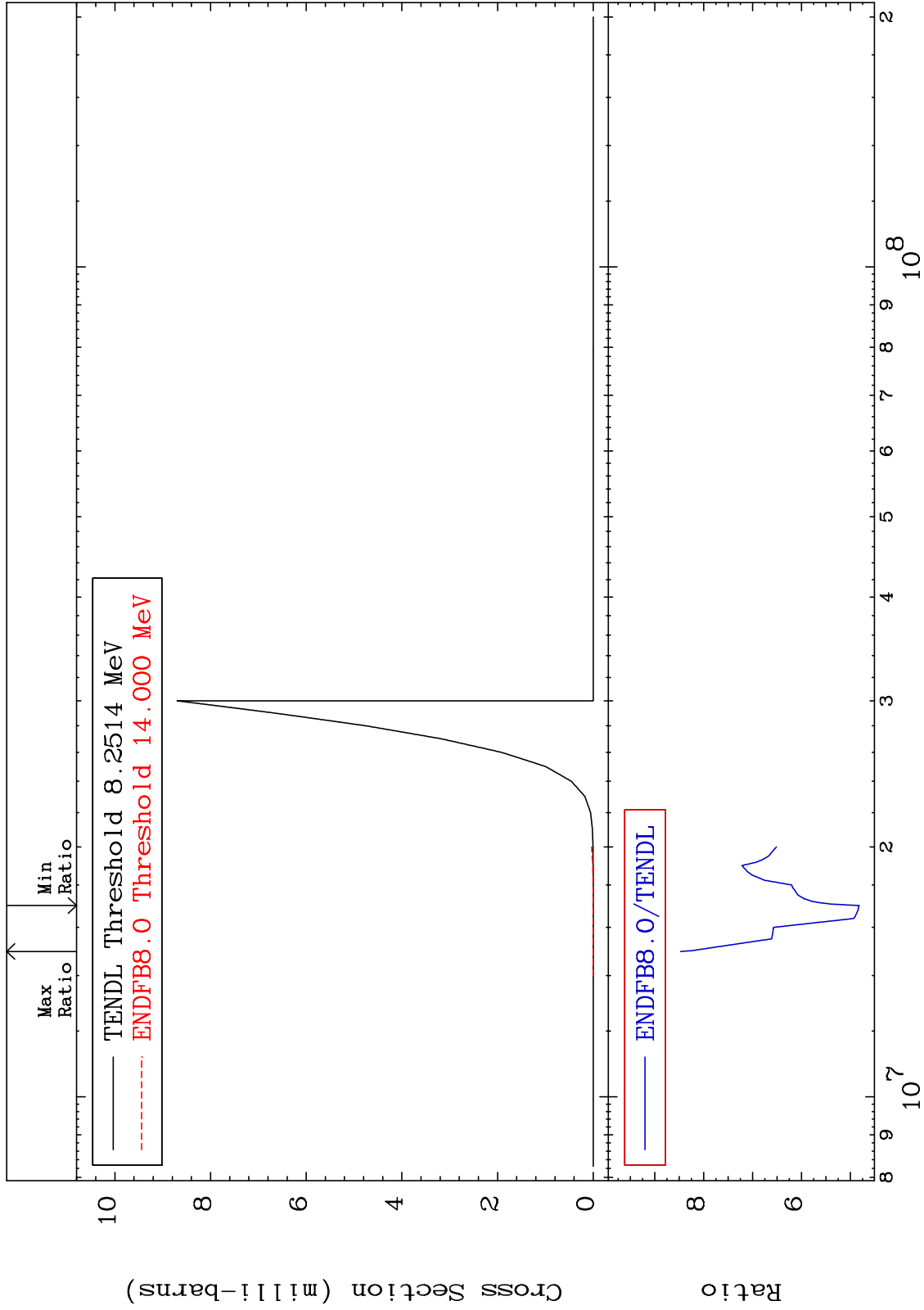
MAT 5634

(n,2n) α

56-Ba-133

Cross Section

381.9 To 747.2 %



56-Ba-133

381.9 To 747.2 %

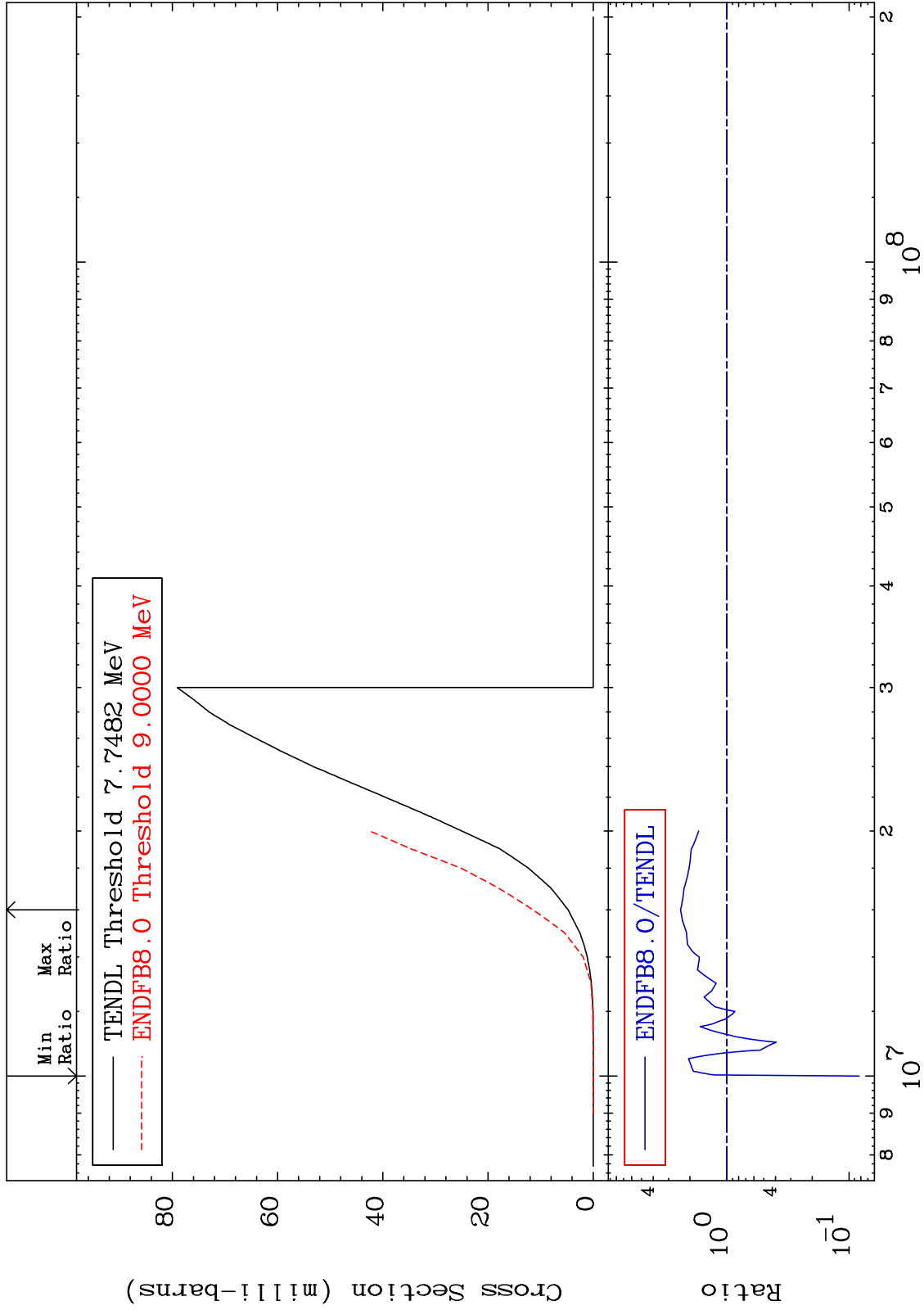
MAT 5634

(n,n') p

56-Ba-133

Cross Section

-91.74 To 138.9 %



8

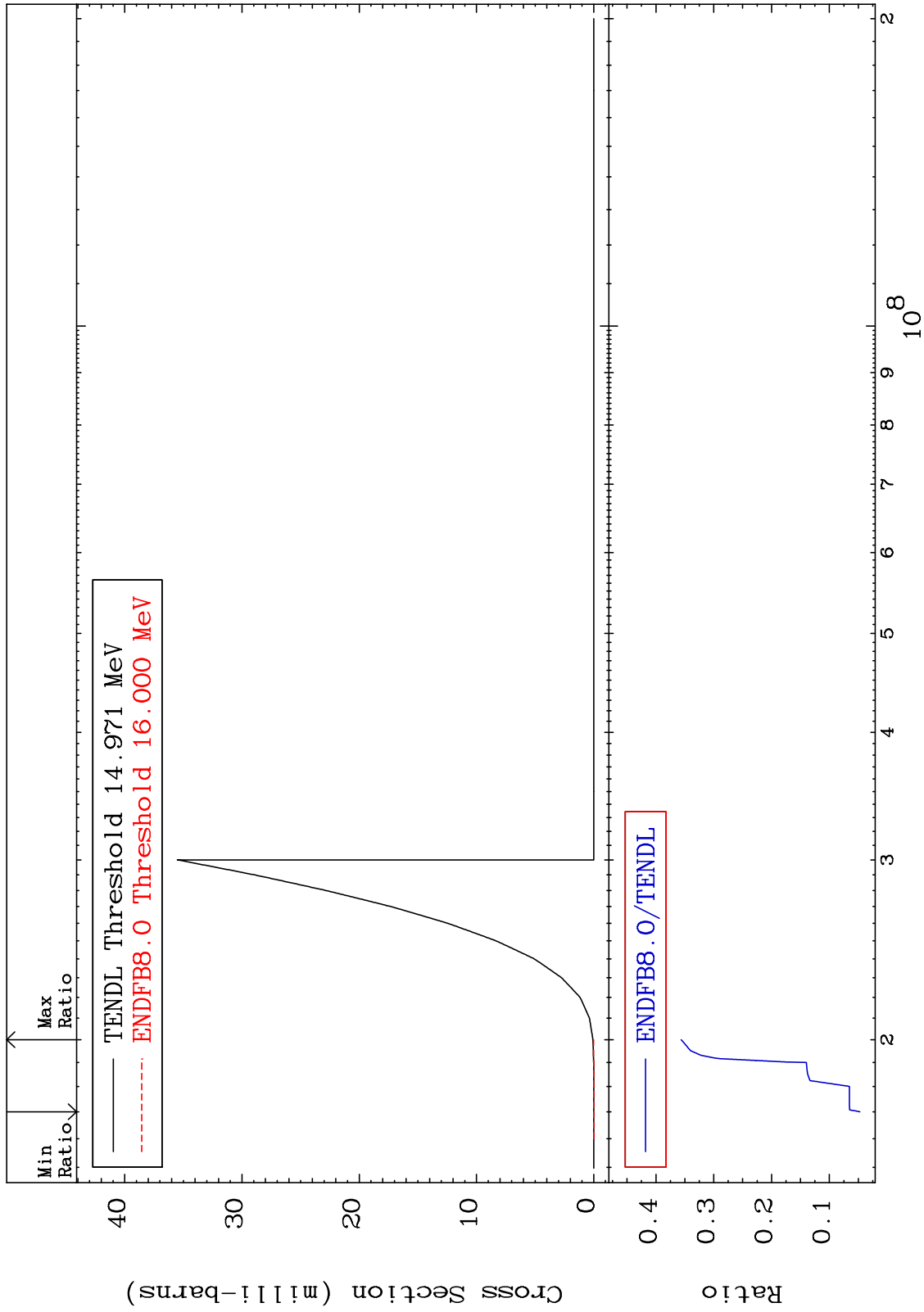
Incident Energy (eV)

56-Ba-133

MAT 5634

(n,2n) p
Cross Section

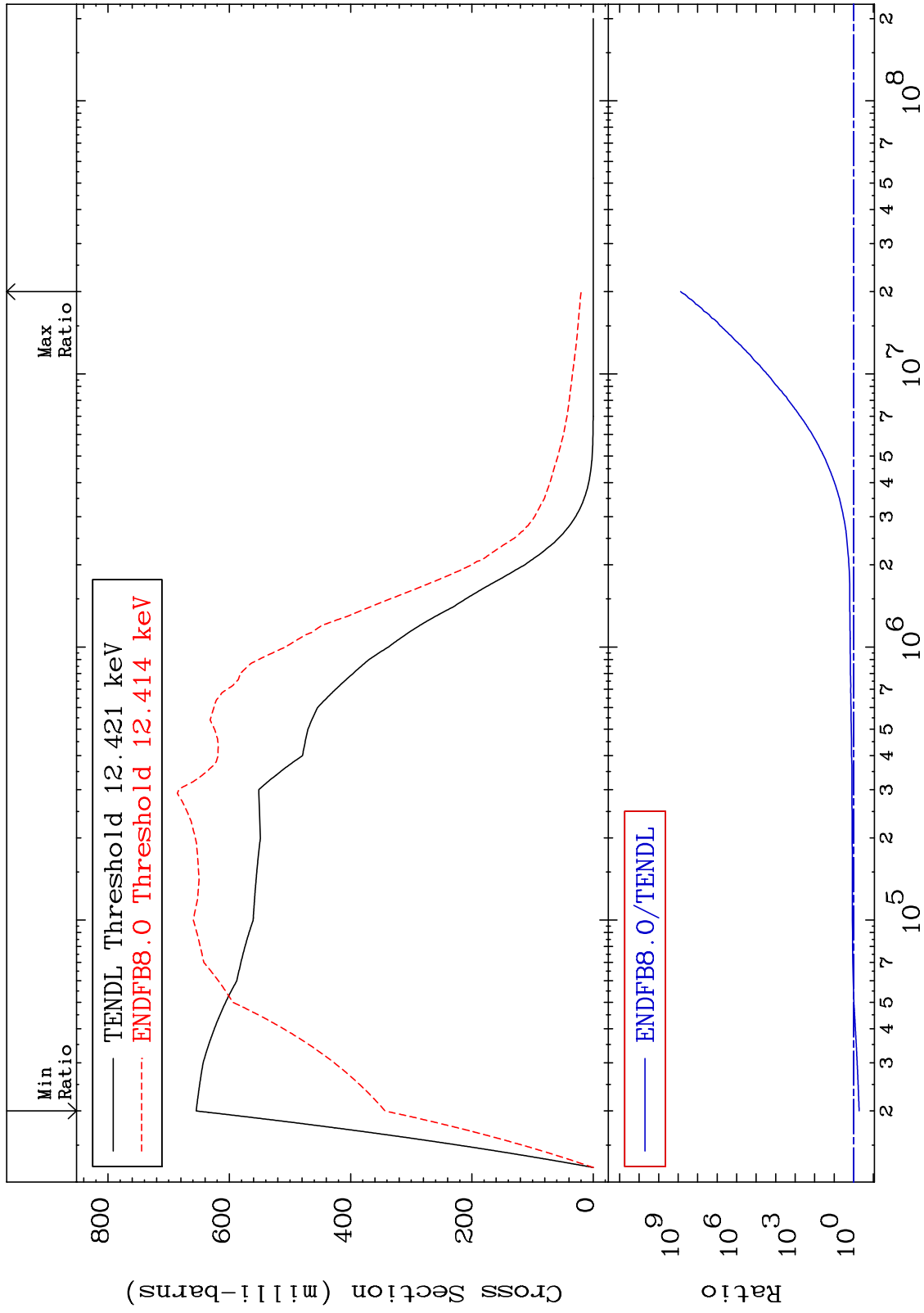
56-Ba-133
-95.28 To -64.37%



MAT 5634

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

56-Ba-133
-47.56 To 9999. %



10

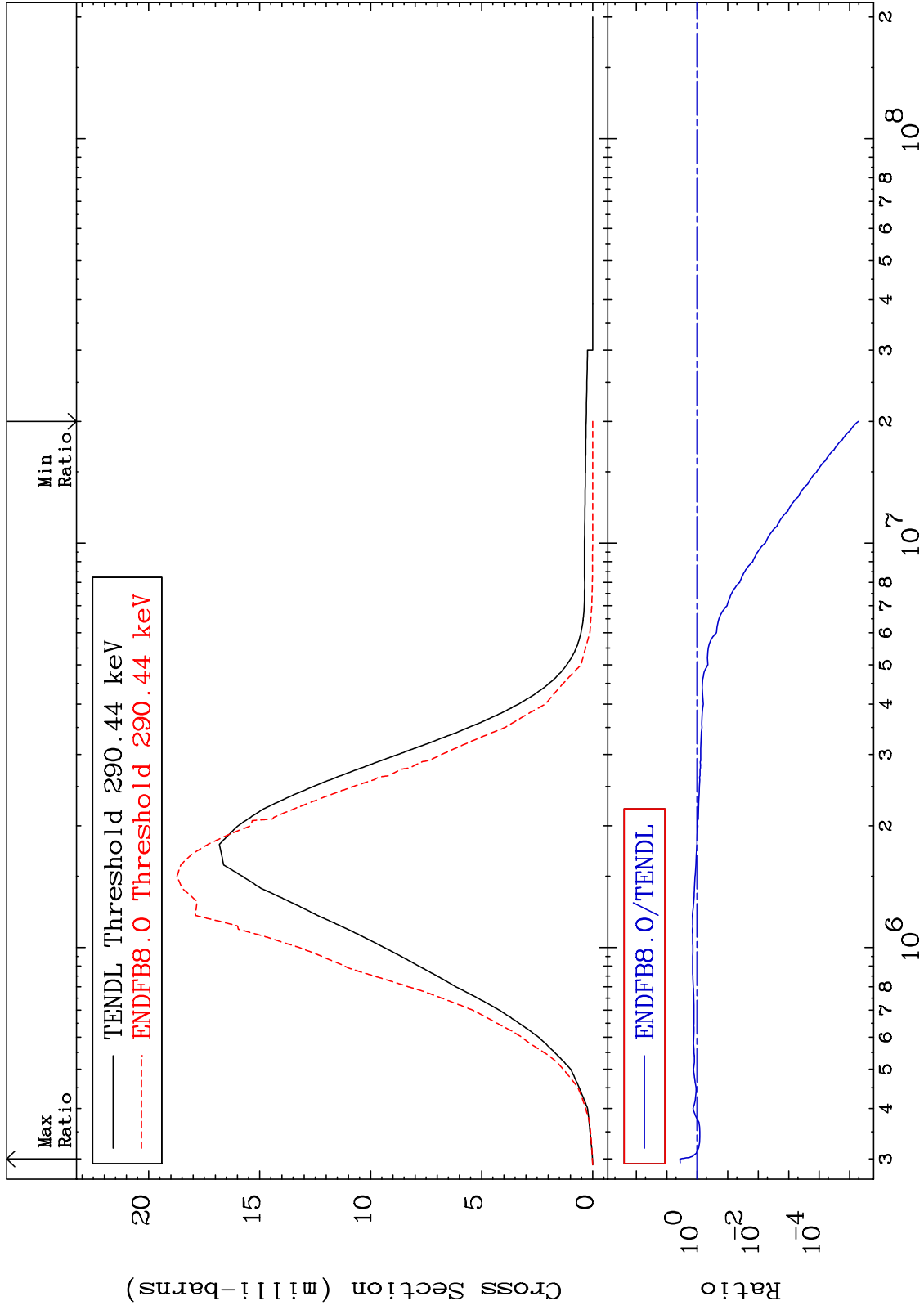
Incident Energy (eV)

56-Ba-133

MAT 5634

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

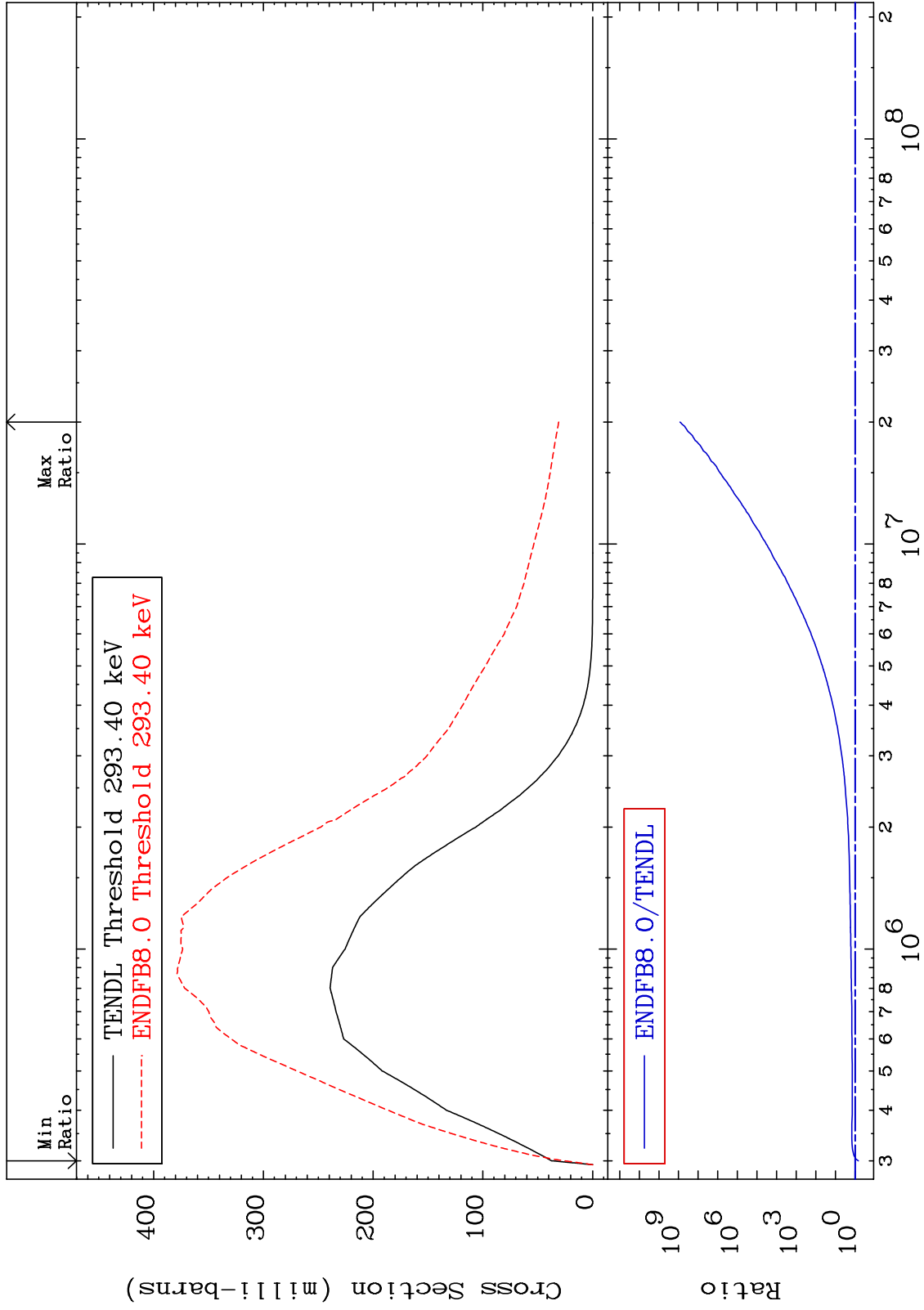
56-Ba-133
-100.0 To 268.5 %



MAT 5634

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

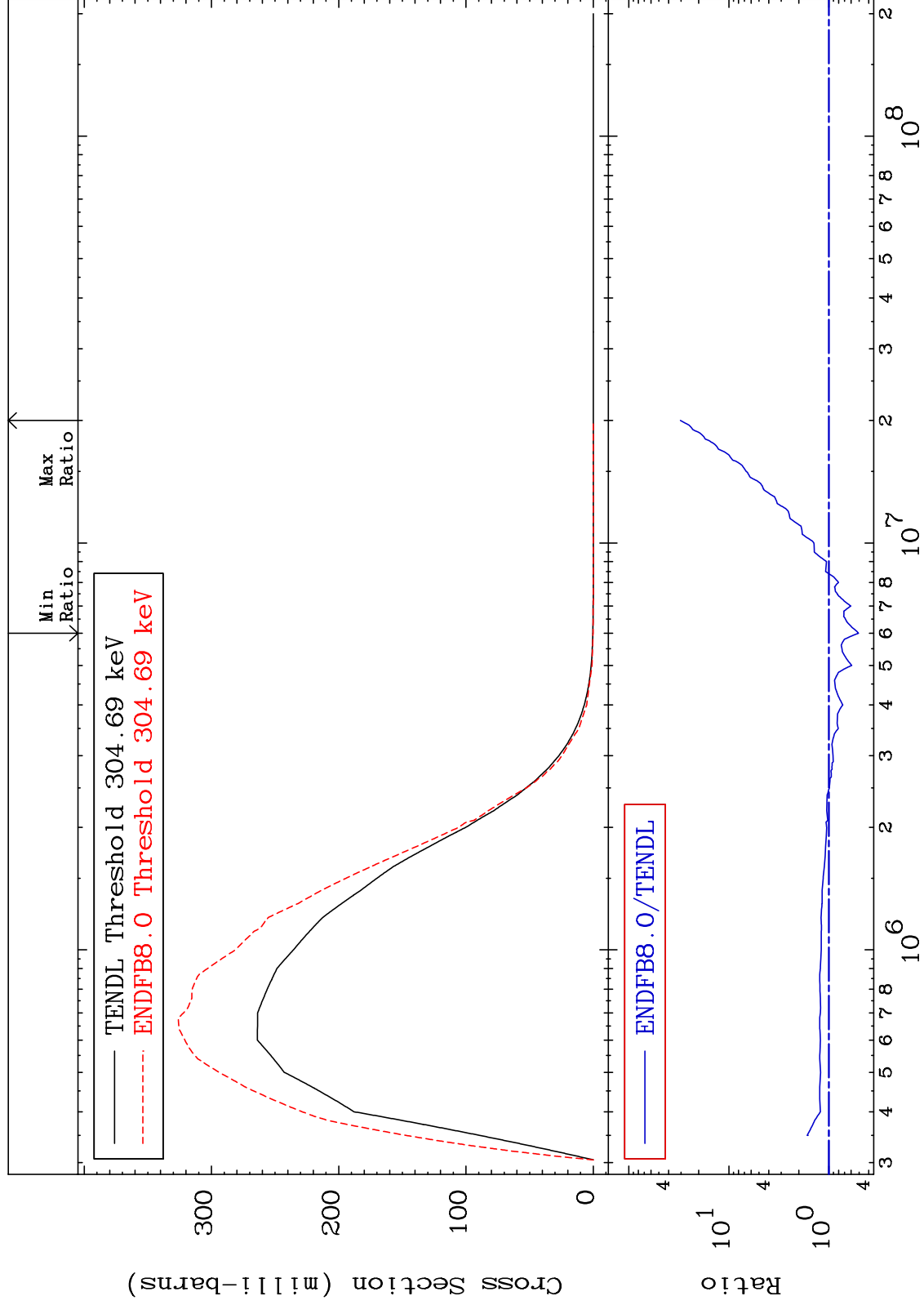
56-Ba-133
-31.49 To 9999. %



MAT 5634

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

56-Ba-133
-49.33 To 2944. %



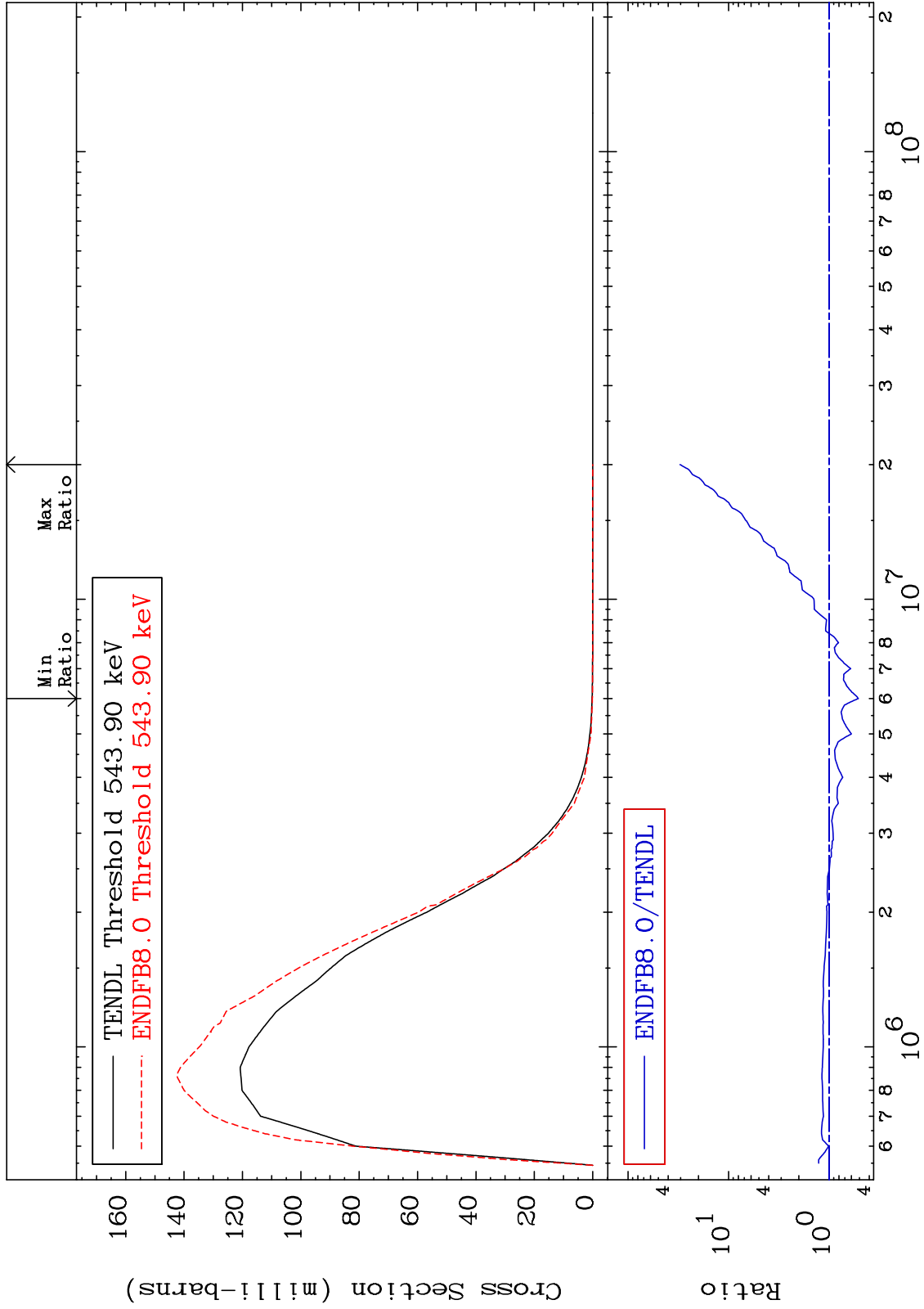
MAT 5634

MT= 55 (n,n') Level

56-Ba-133

-48.83 To 2946. %

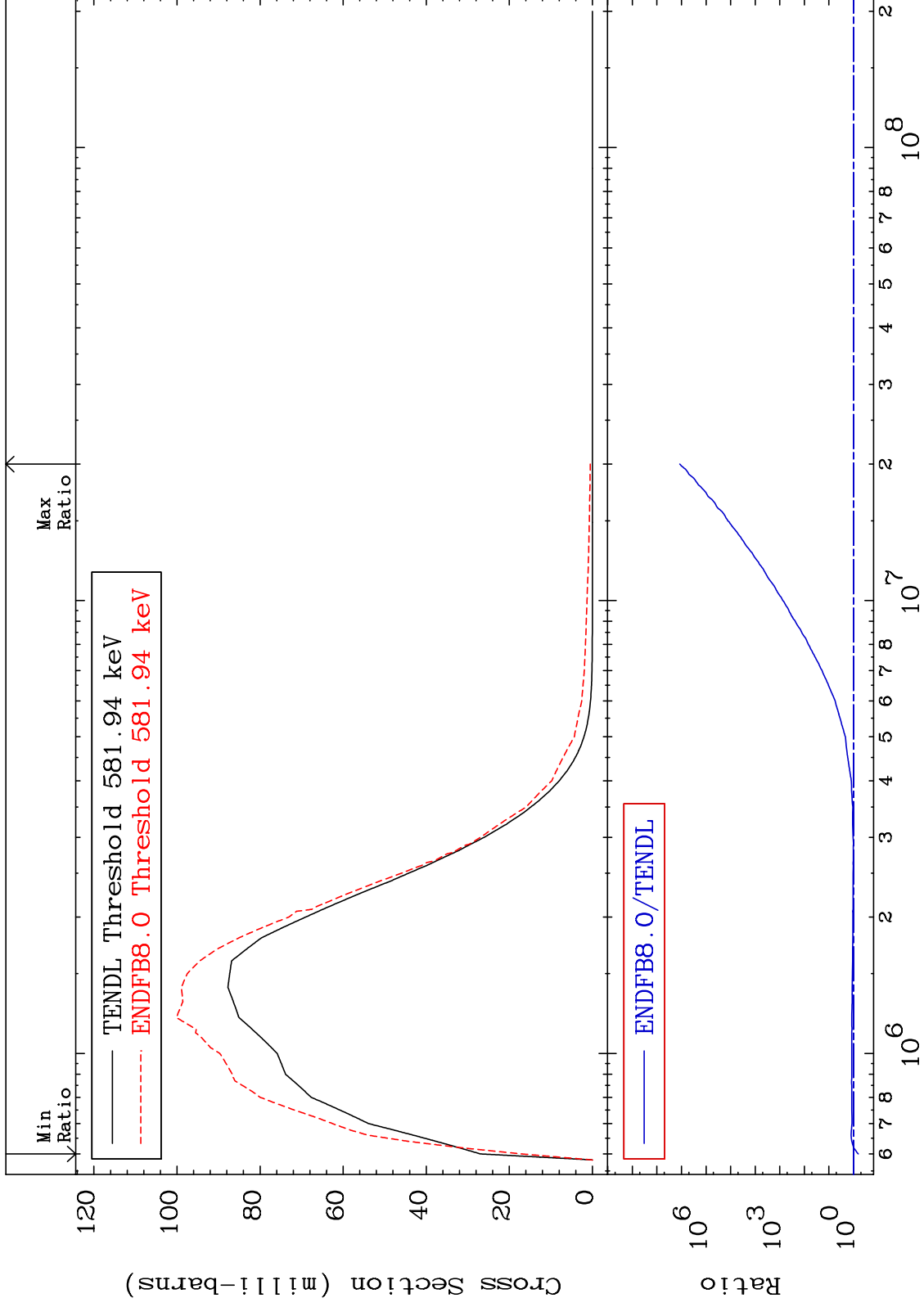
Cross Section



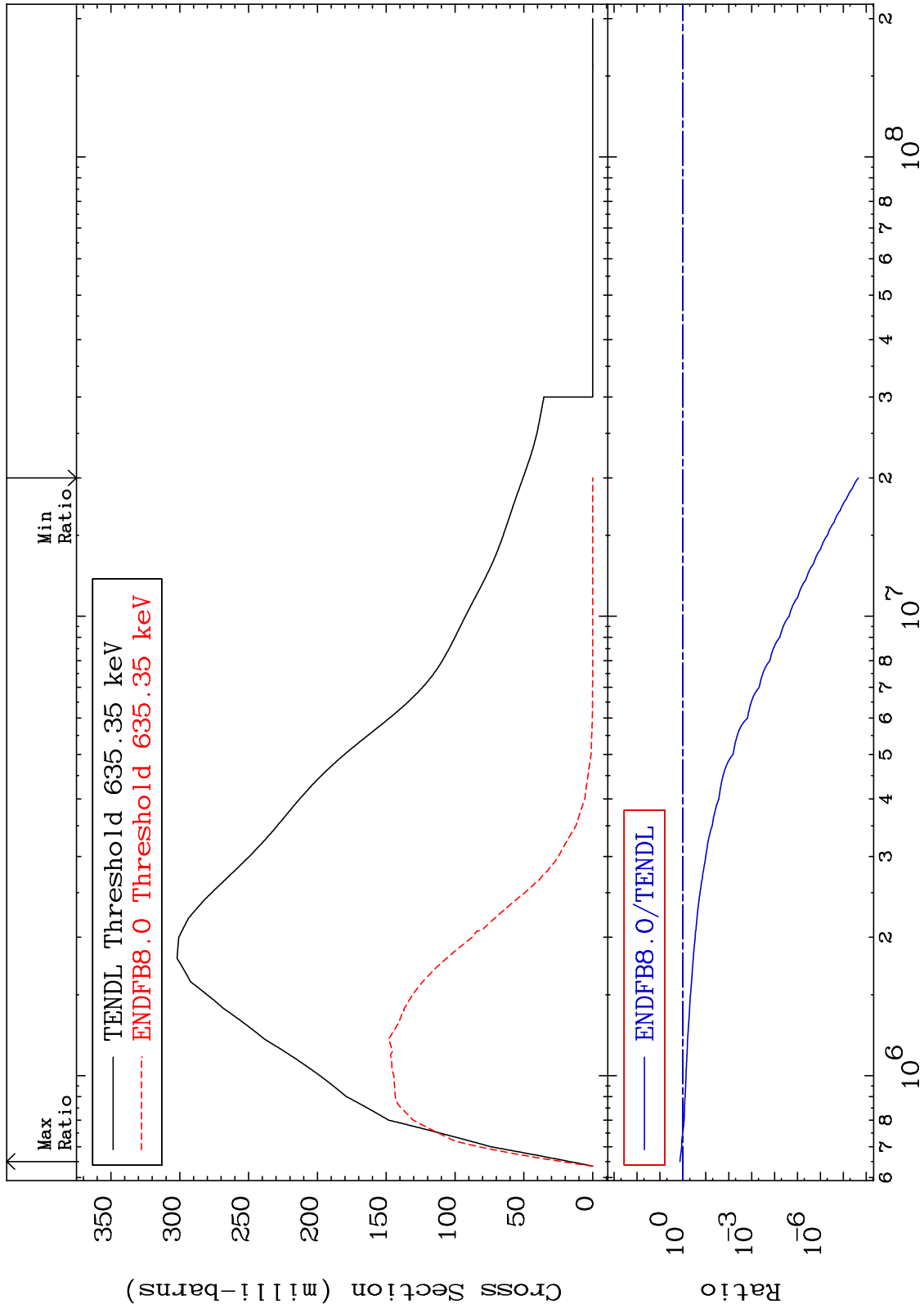
MAT 5634

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

56-Ba-133
-36.39 To 9999. %



MAT 5634 MT= 57 (n,n') Level Cross Section 56-Ba-133
 -100.0 To 33.21 %

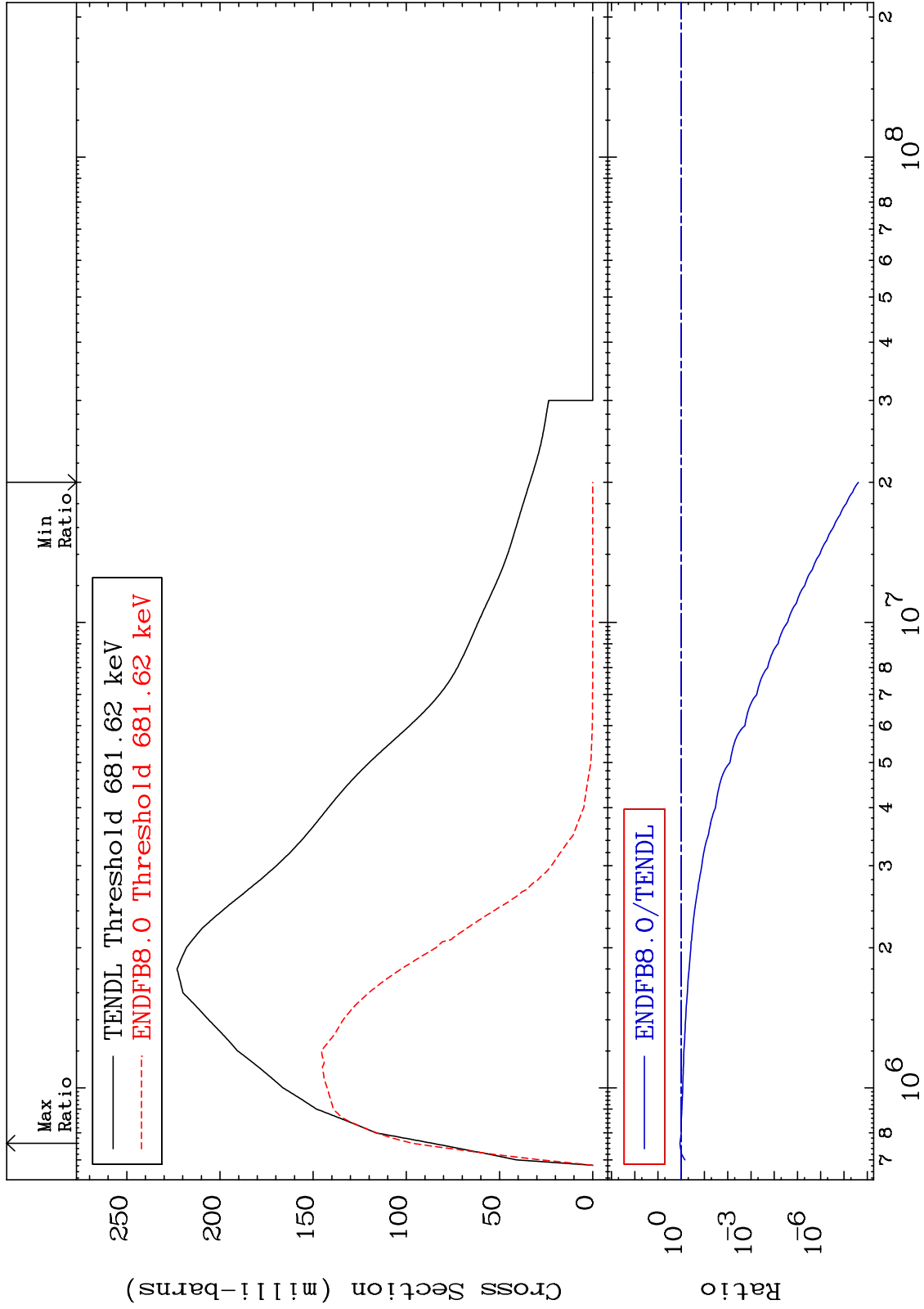


16 Incident Energy (eV) 56-Ba-133

MAT 5634

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

56-Ba-133
-100.0 To 12.42 %



17

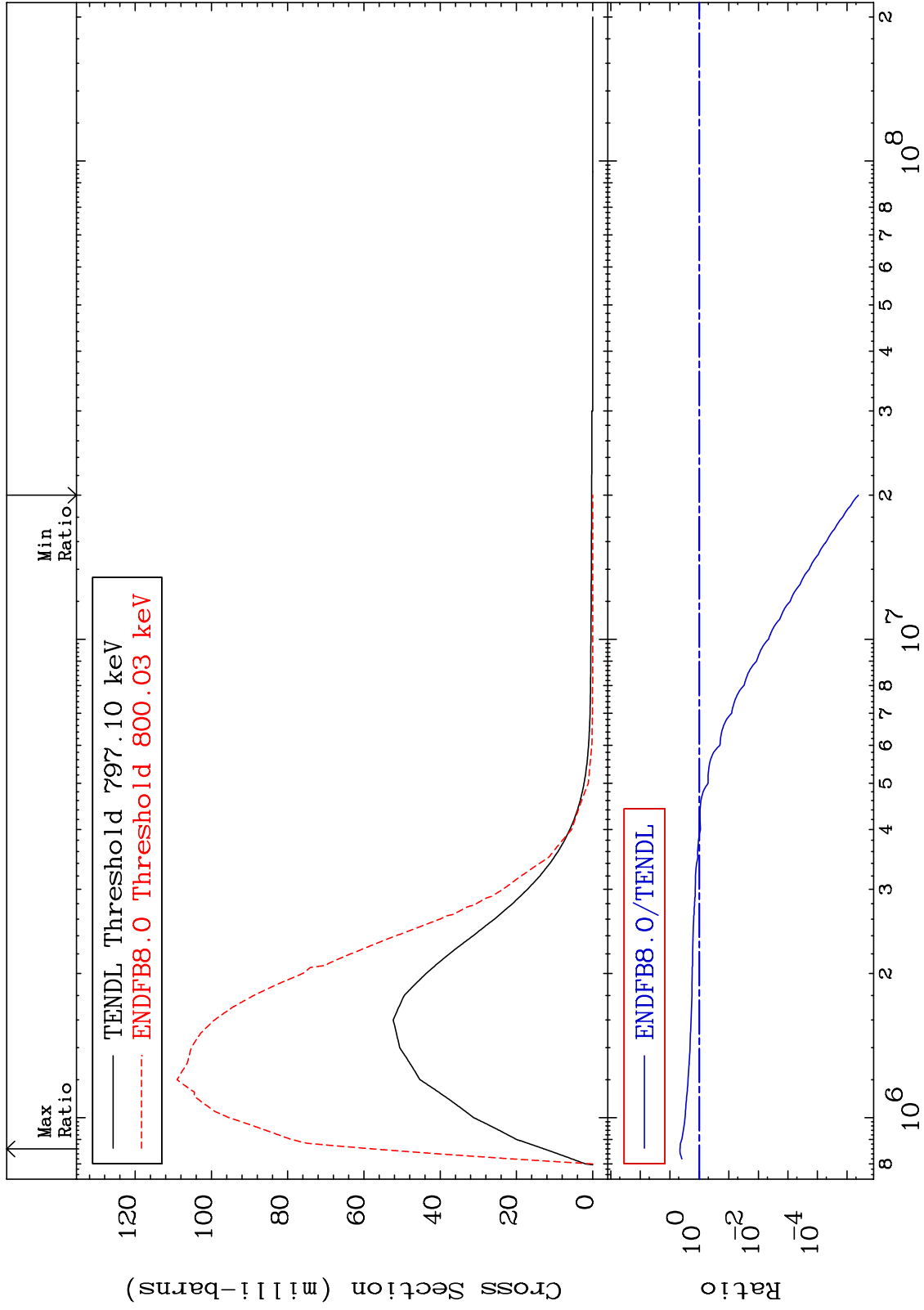
Incident Energy (eV)

56-Ba-133

MAT 5634

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

56-Ba-133
-100.0 To 352.6 %

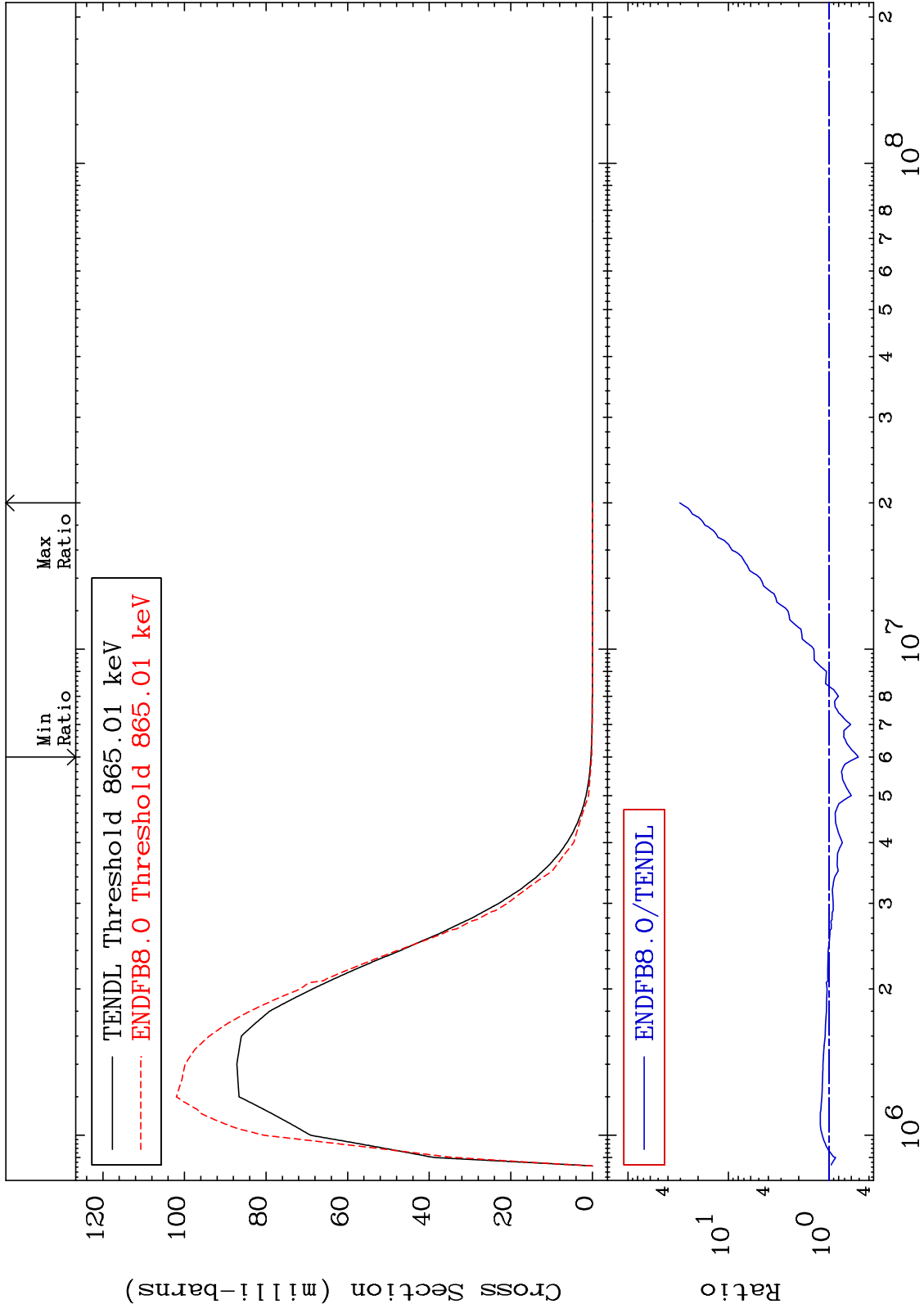


18 Incident Energy (eV) 56-Ba-133

MAT 5634

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

56-Ba-133
-49.01 To 2946. %



19

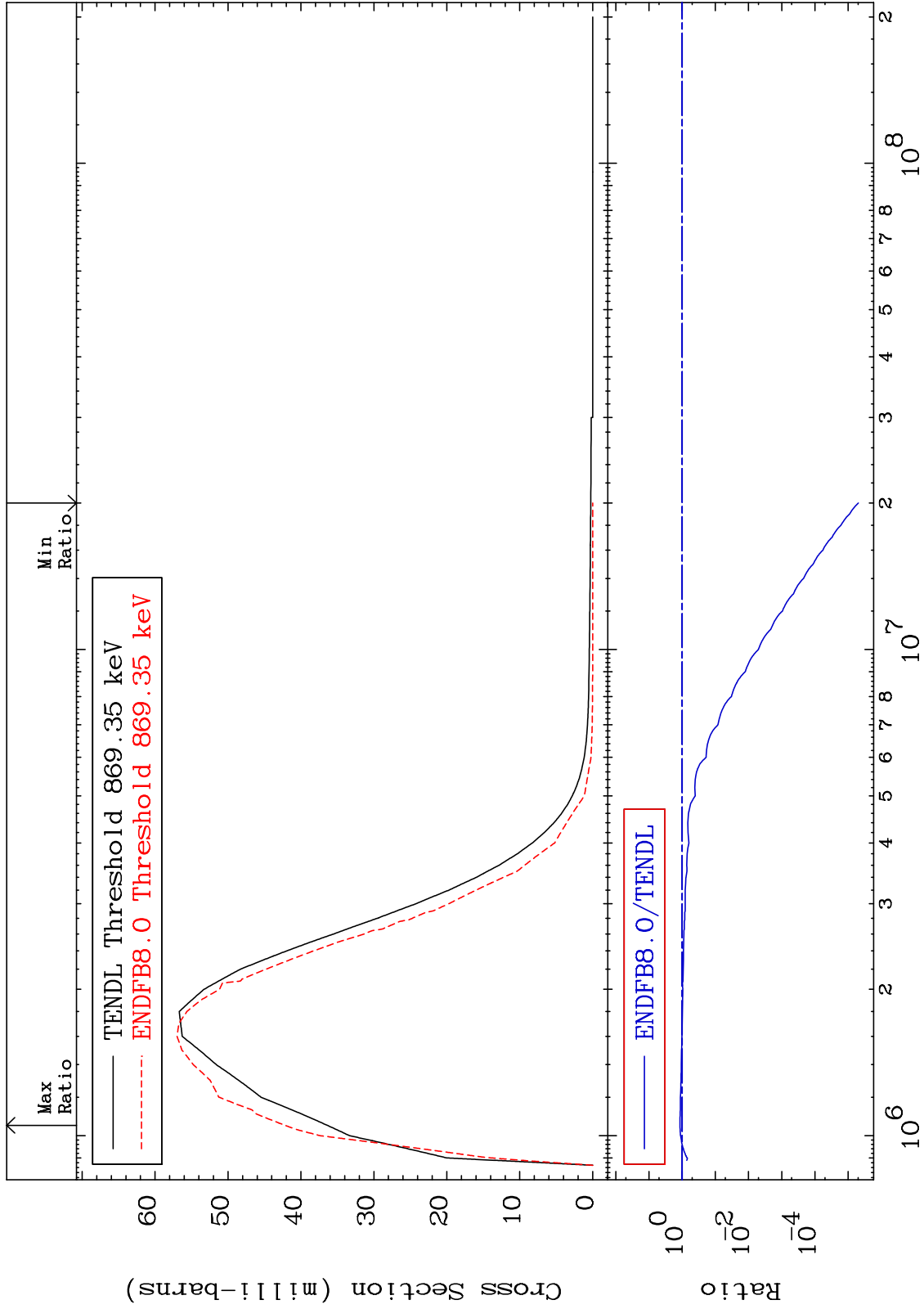
Incident Energy (eV)

56-Ba-133

MAT 5634

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

56-Ba-133
-100.0 To 15.99 %



20

10⁶

10⁷

10⁸

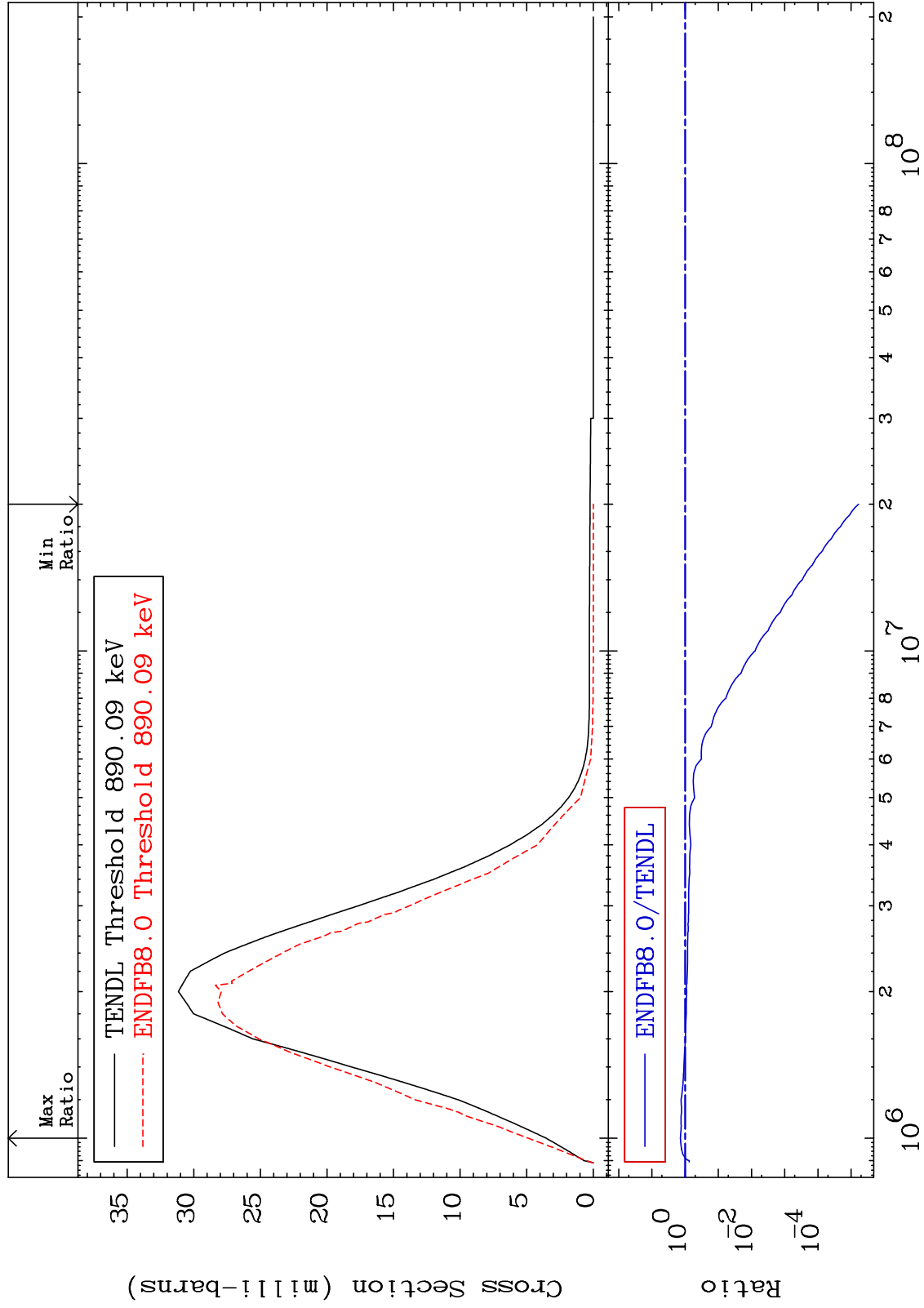
2

56-Ba-133

MAT 5634

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

56-Ba-133
-100.0 To 38.25 %



21

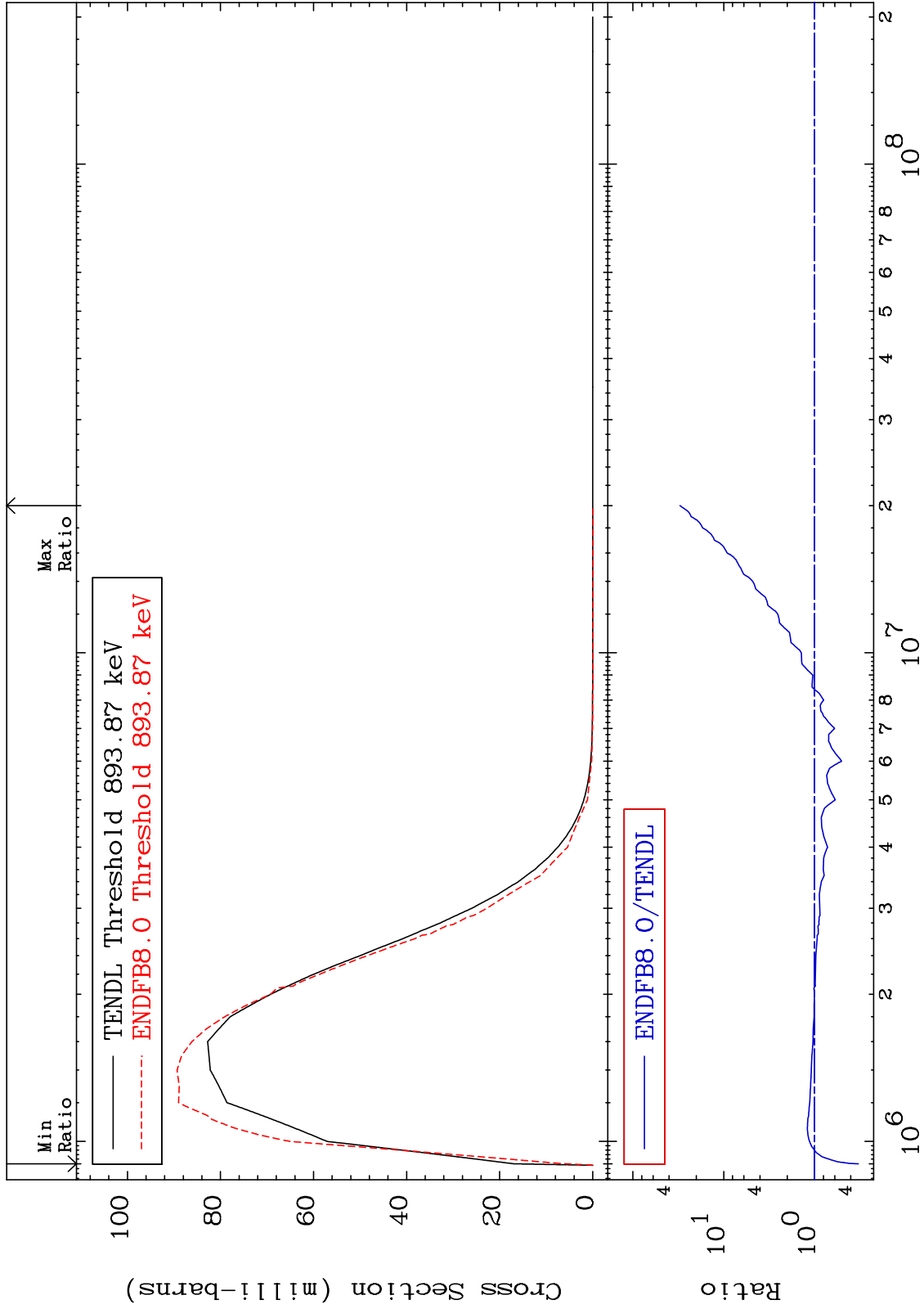
56-Ba-133

56-Ba-133

MAT 5634

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

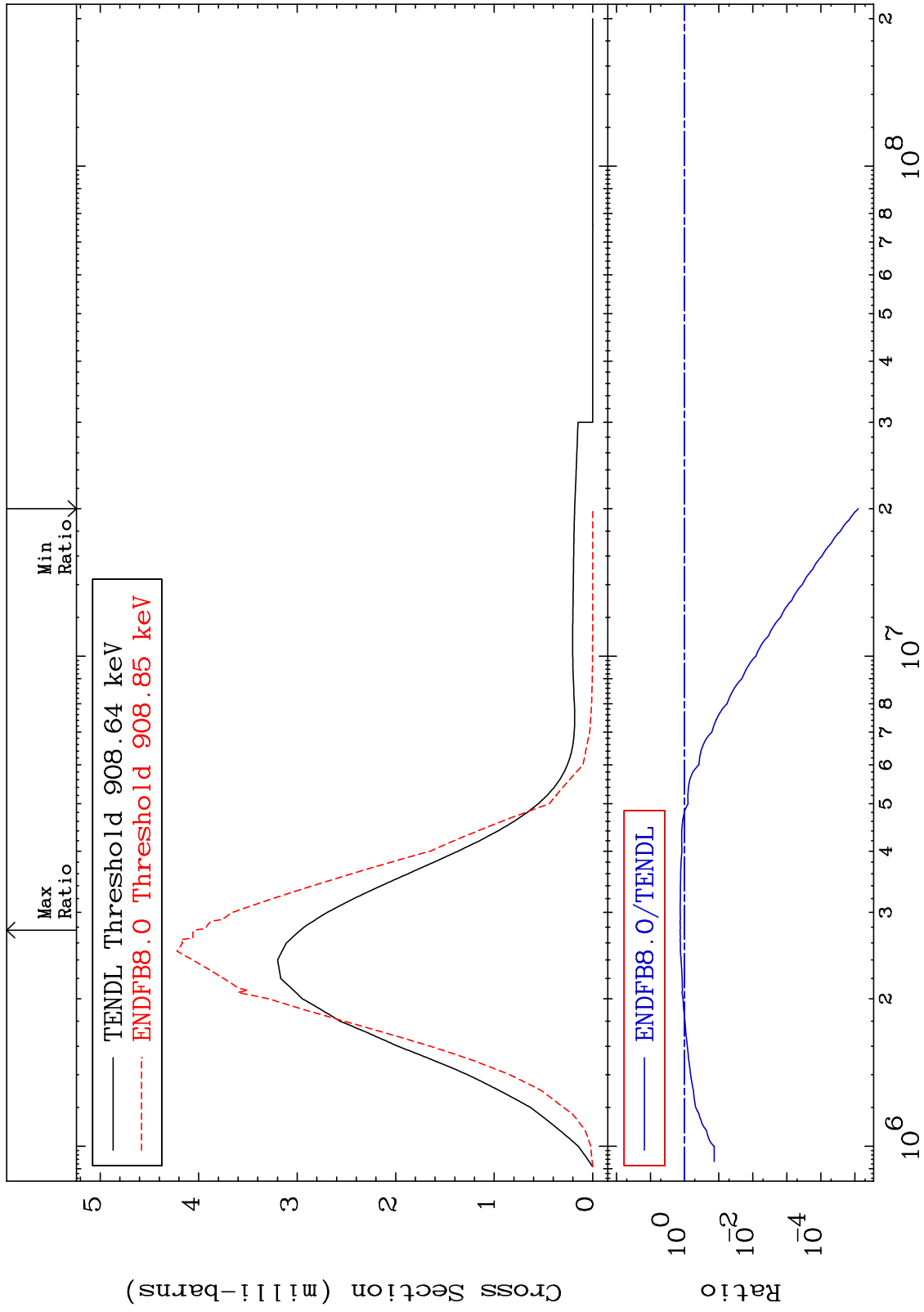
56-Ba-133
-67.03 To 2928. %



MAT 5634

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

56-Ba-133
-100.0 To 36.58 %



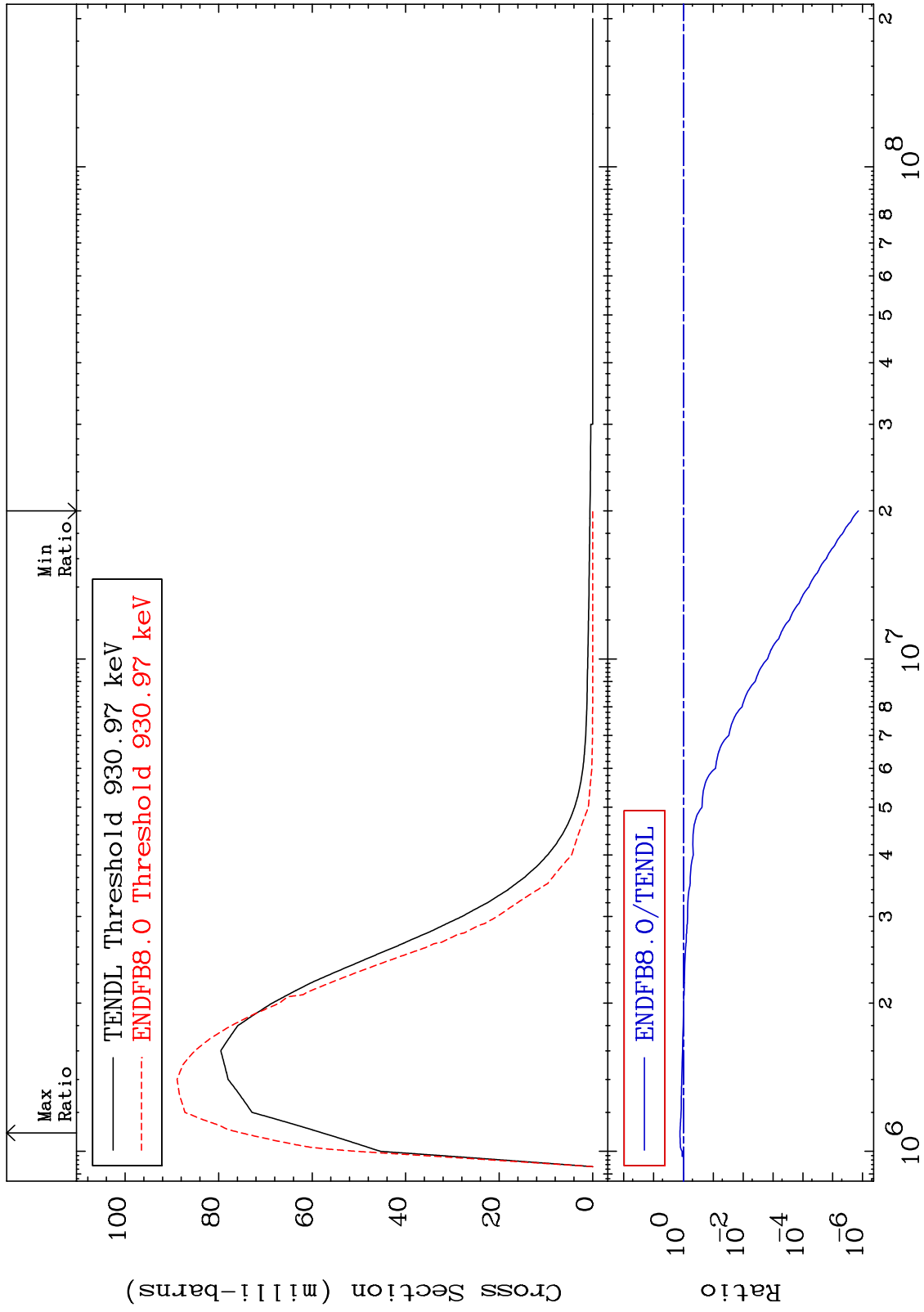
23

56-Ba-133

MAT 5634

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

56-Ba-133
-100.0 To 30.06 %



24

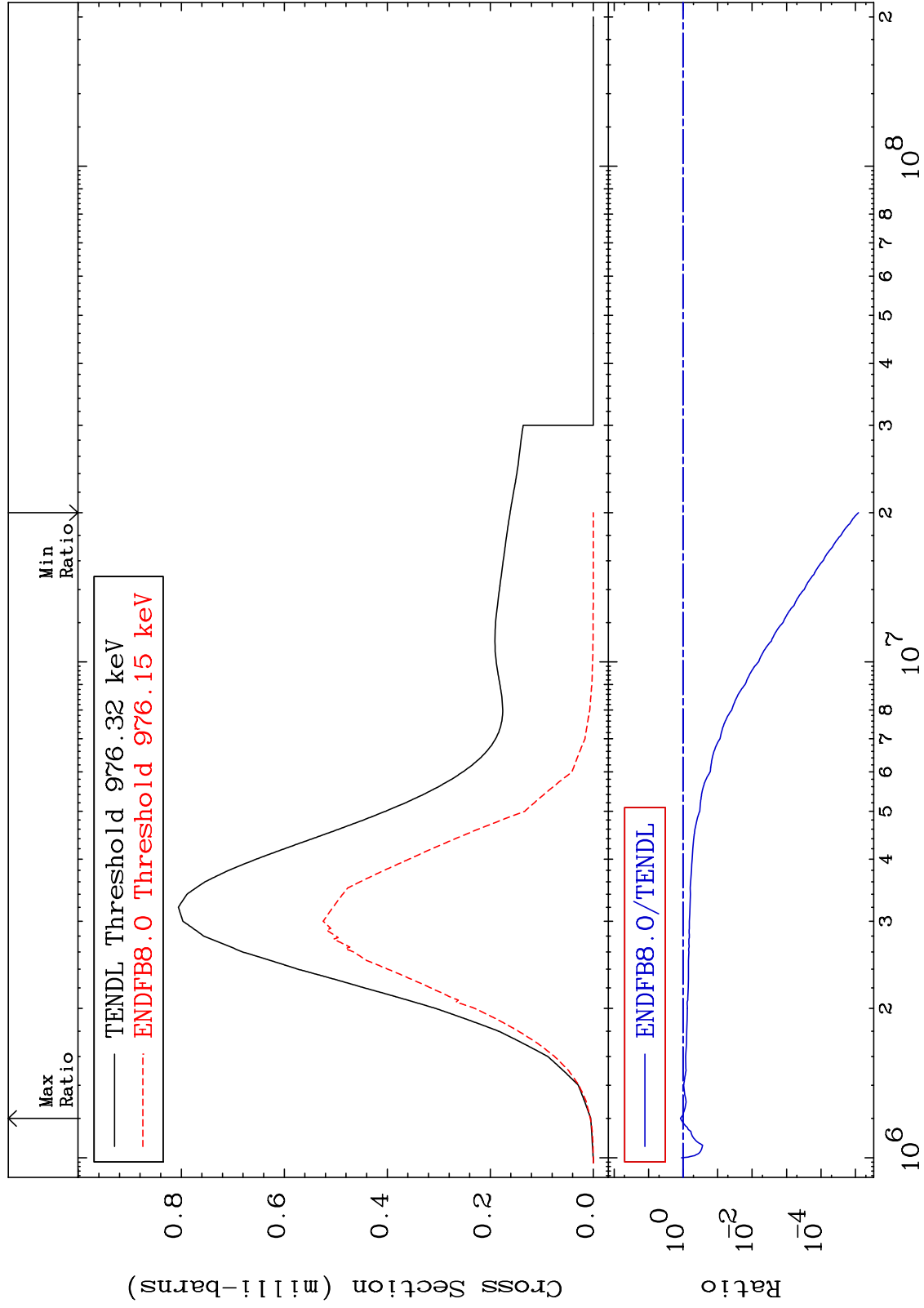
Incident Energy (eV)

56-Ba-133

MAT 5634

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

56-Ba-133
-100.0 To 19.12 %



25

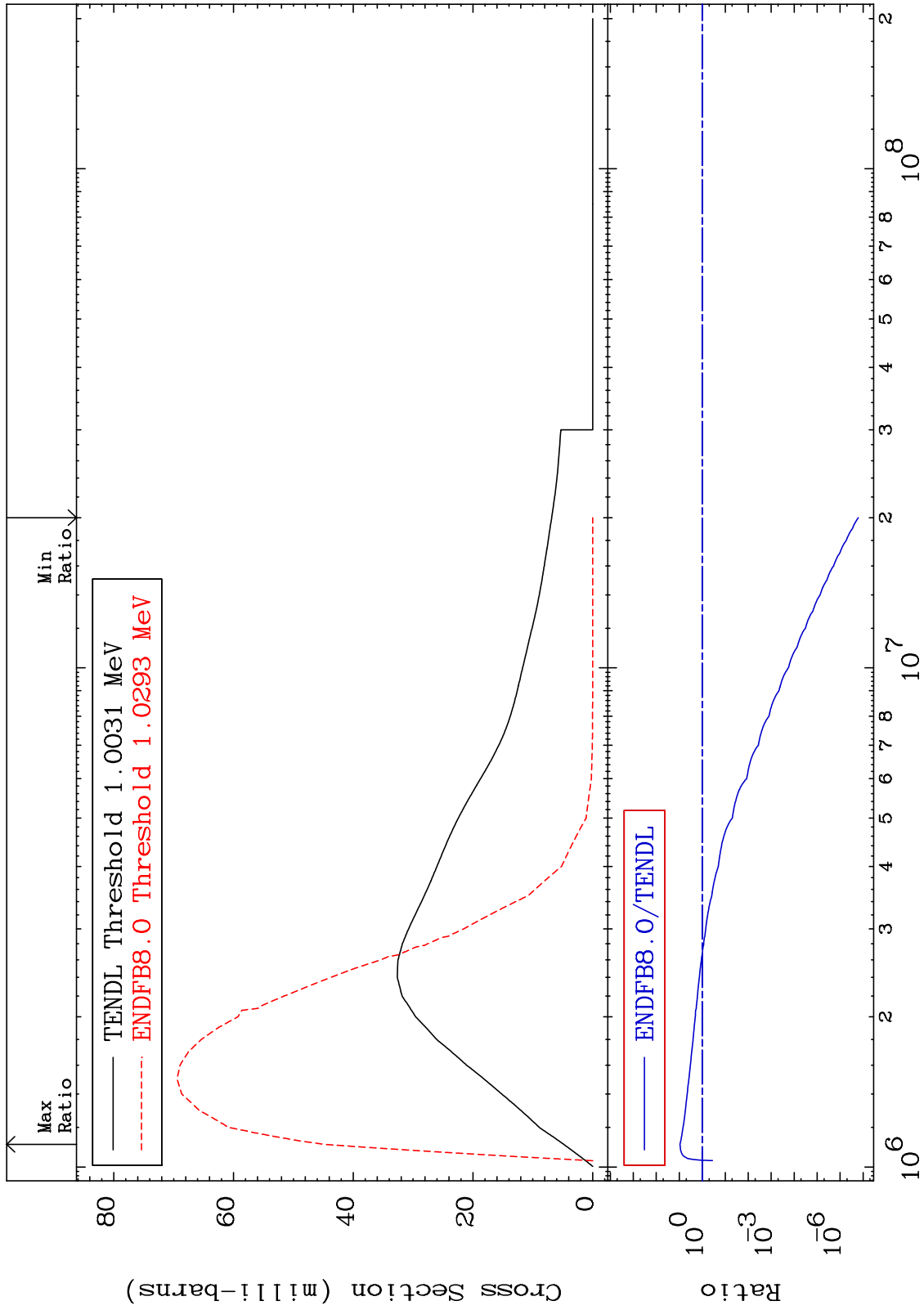
Incident Energy (eV)

56-Ba-133

MAT 5634

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

56-Ba-133
-100.0 To 825.9 %



26

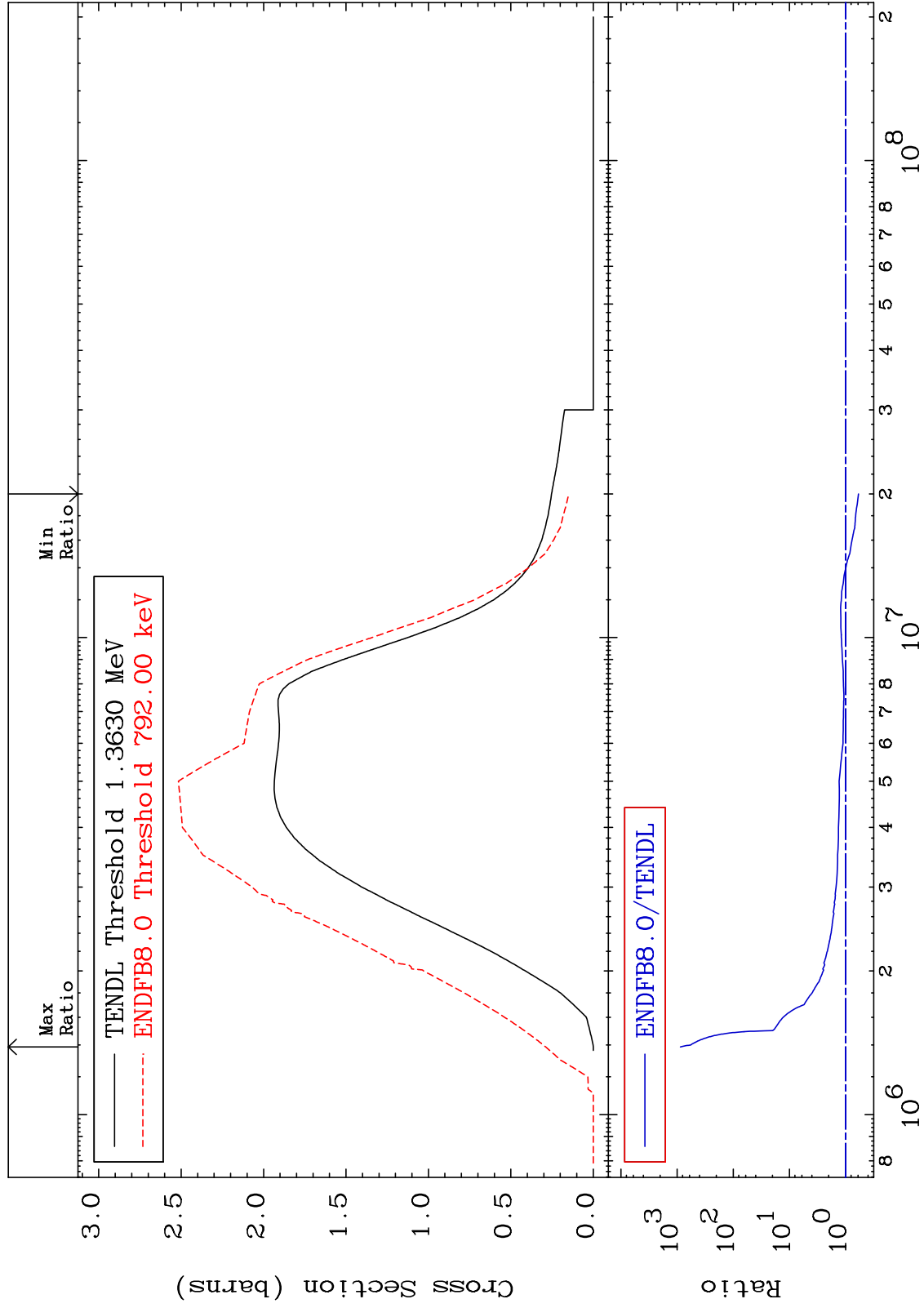
Incident Energy (eV)

56-Ba-133

MAT 5634

(n, n') Continuum
Cross Section

56-Ba-133
-41.07 To 9999. %



27

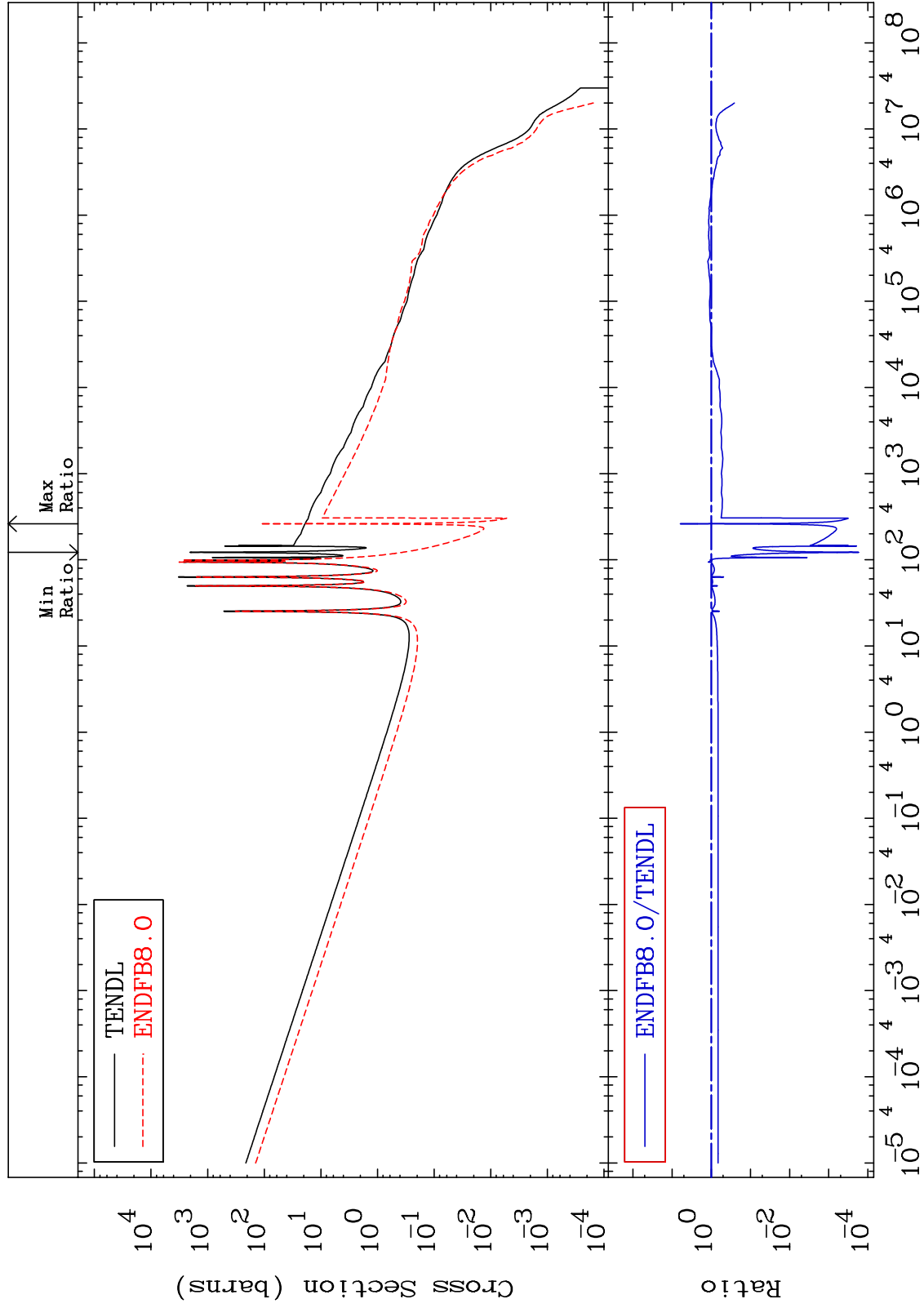
Incident Energy (eV)

56-Ba-133

MAT 5634

56-Ba-133

(n, γ)
Cross Section
-99.98 To 513.6 %



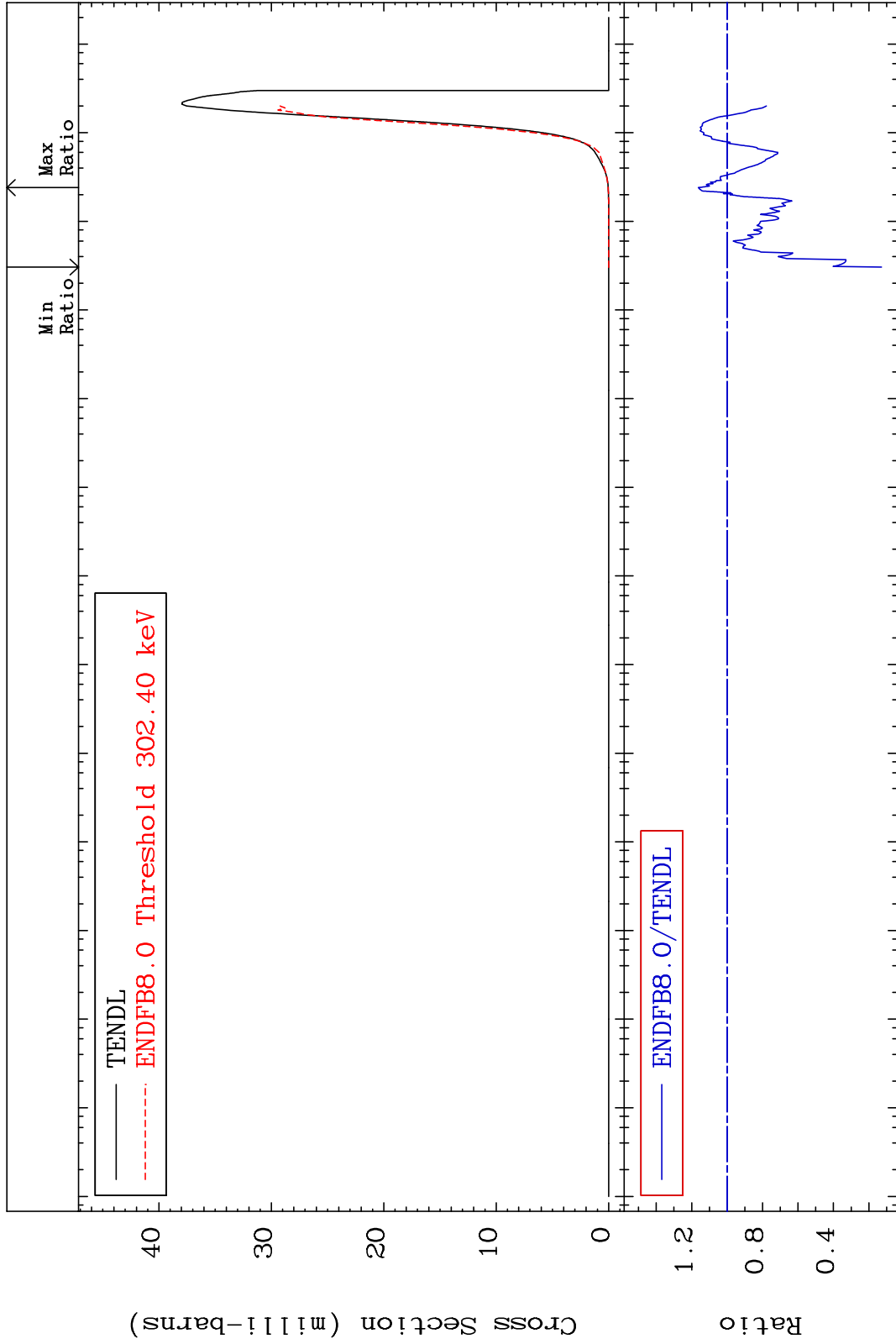
MAT 5634

(n, p)

56-Ba-133

Cross Section

-87.14 To 16.24 %



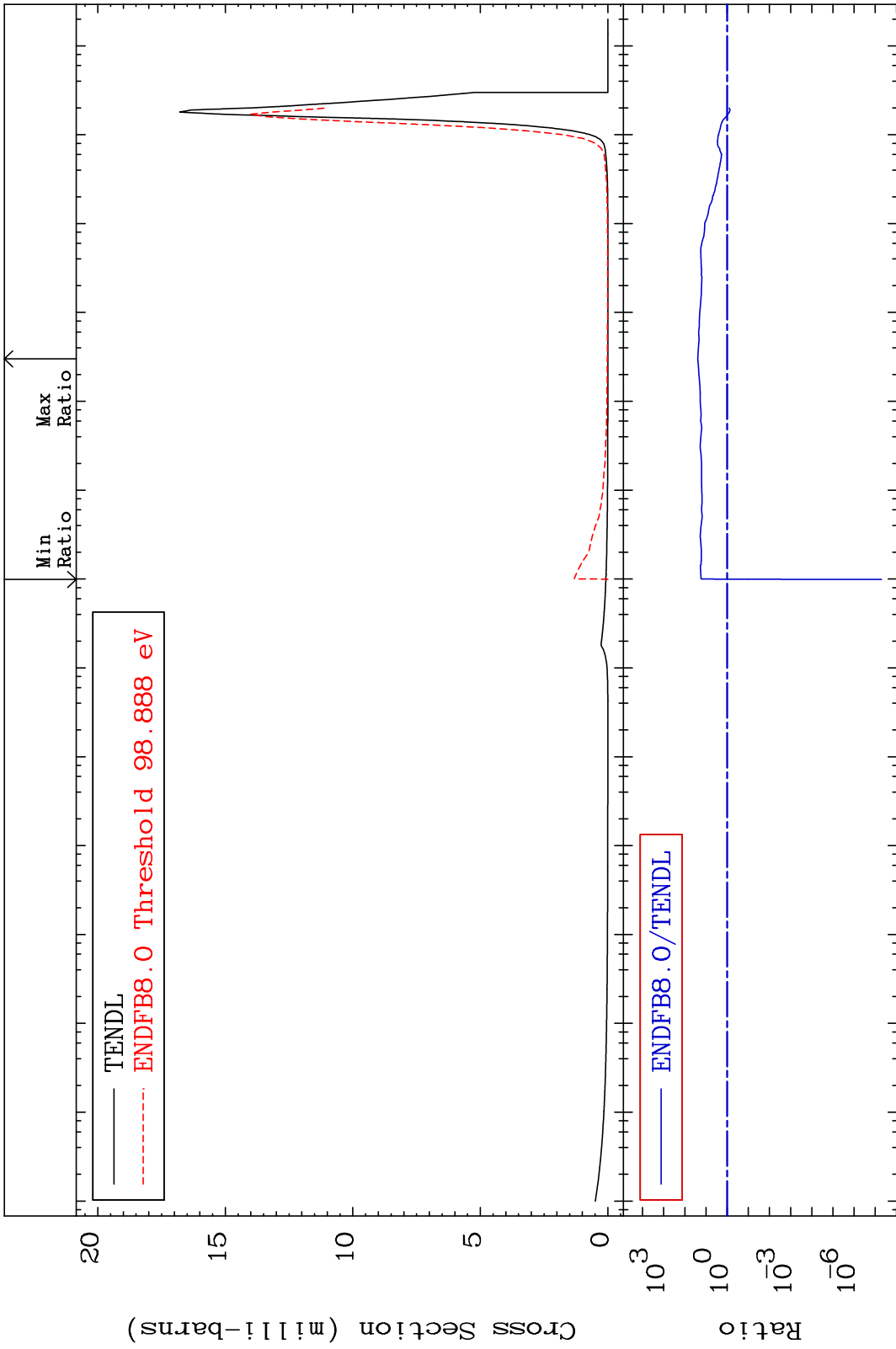
Incident Energy (eV)

56-Ba-133

MAT 5634

56-Ba-133

(n, α)
Cross Section
-100.0 To 2340. %



30

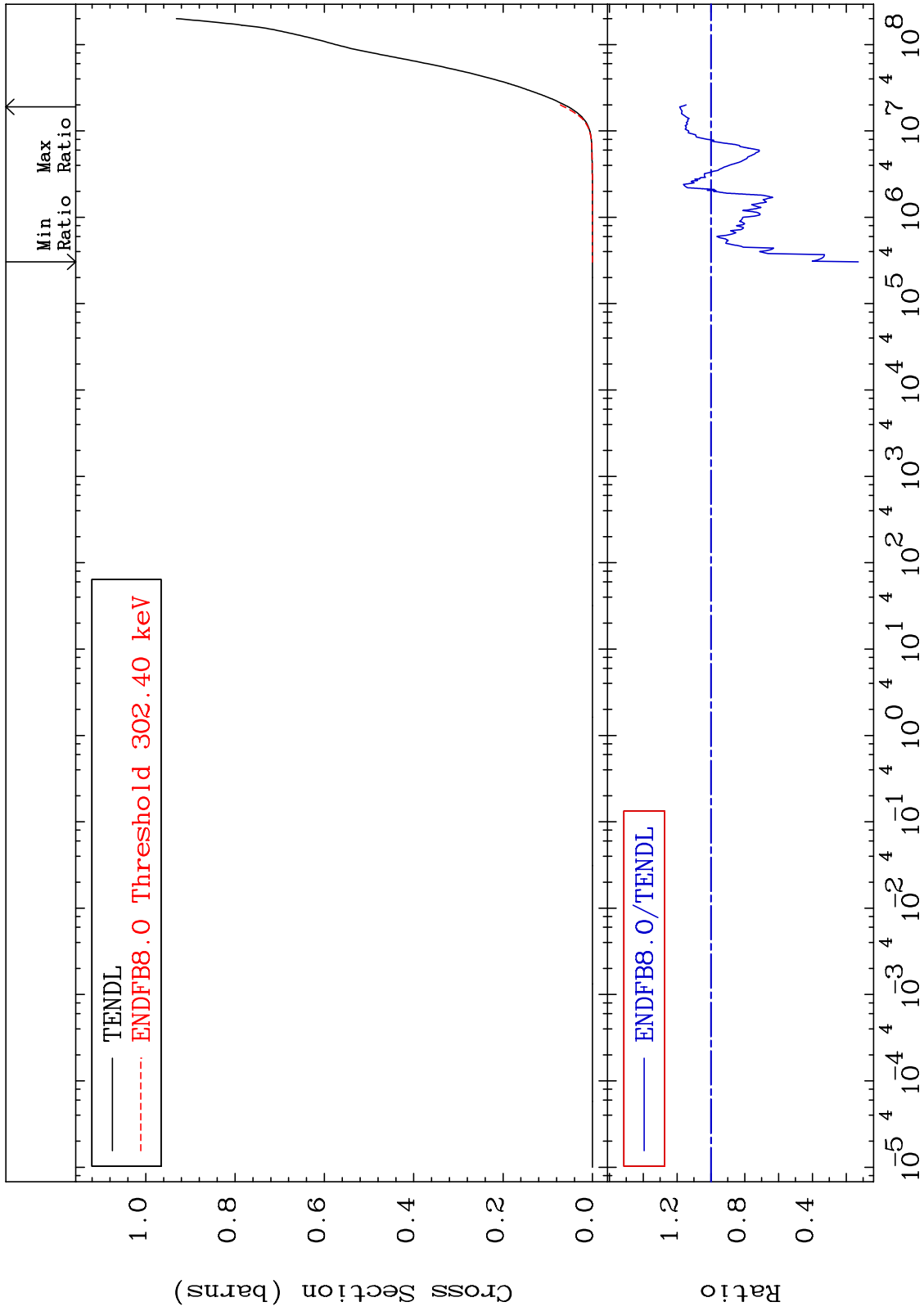
Incident Energy (eV)

56-Ba-133

MAT 5634

Hydrogen Production
Cross Section

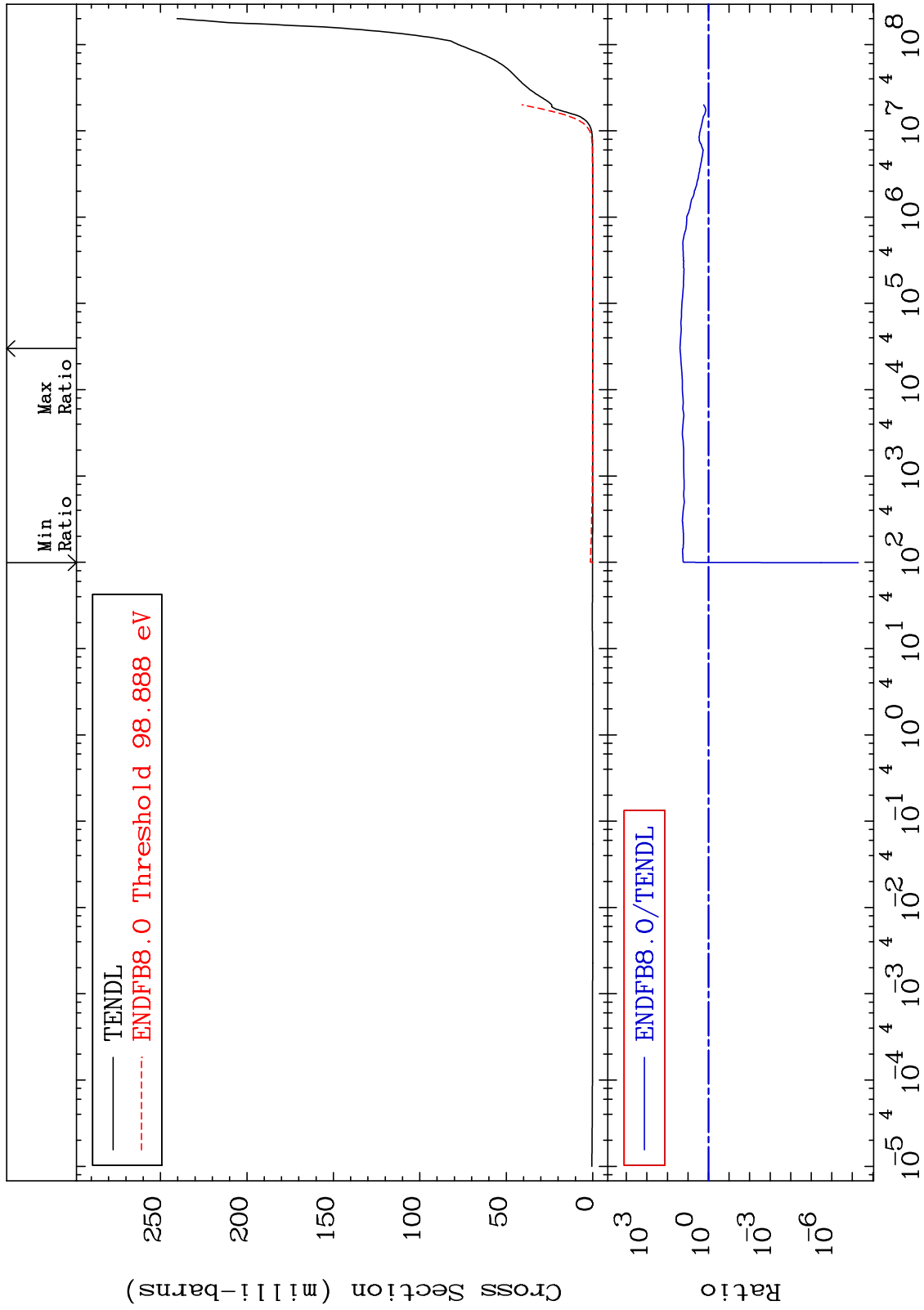
56-Ba-133
-87.14 To 18.38 %



MAT 5634

He-4 Production
Cross Section

56-Ba-133
-100.0 To 2340. %



32

Incident Energy (eV)

56-Ba-133

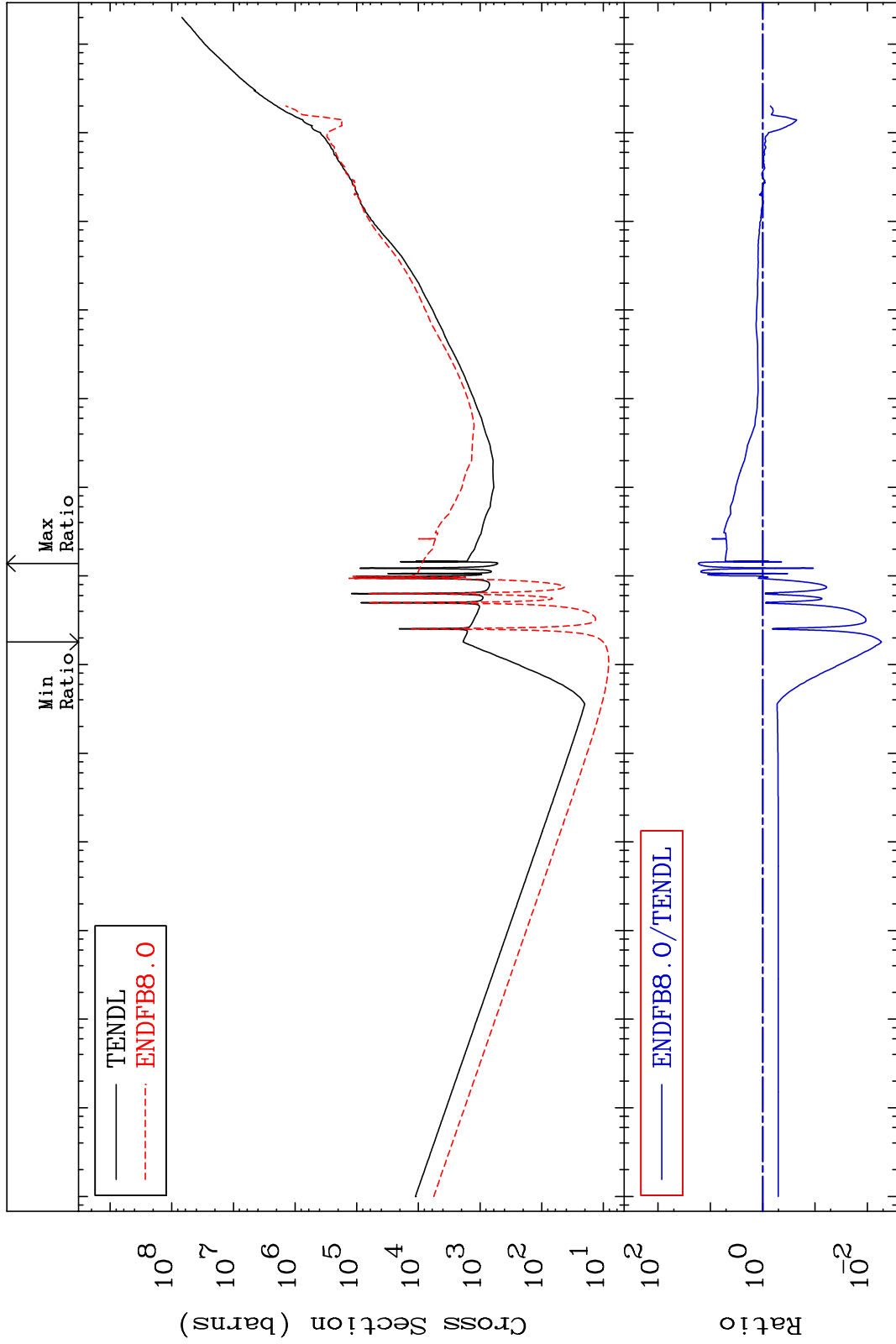
MAT 5634

Kerma total (eV-barns)

56-Ba-133

-99.47 To 1596. %

Cross Section



Incident Energy (eV)

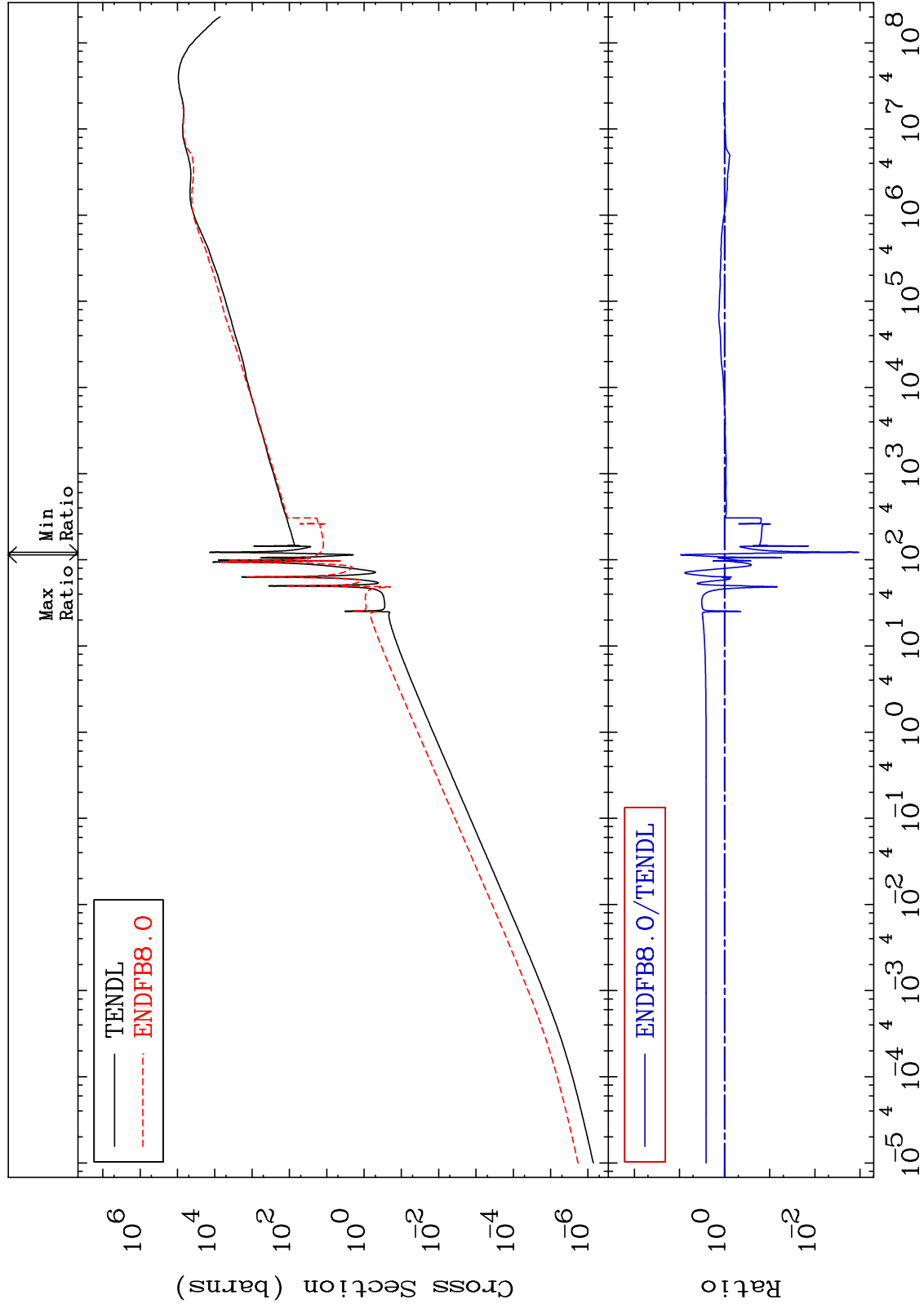
56-Ba-133

33

MAT 5634

Kerma elastic
Cross Section

56-Ba-133
-99.89 To 852.3 %



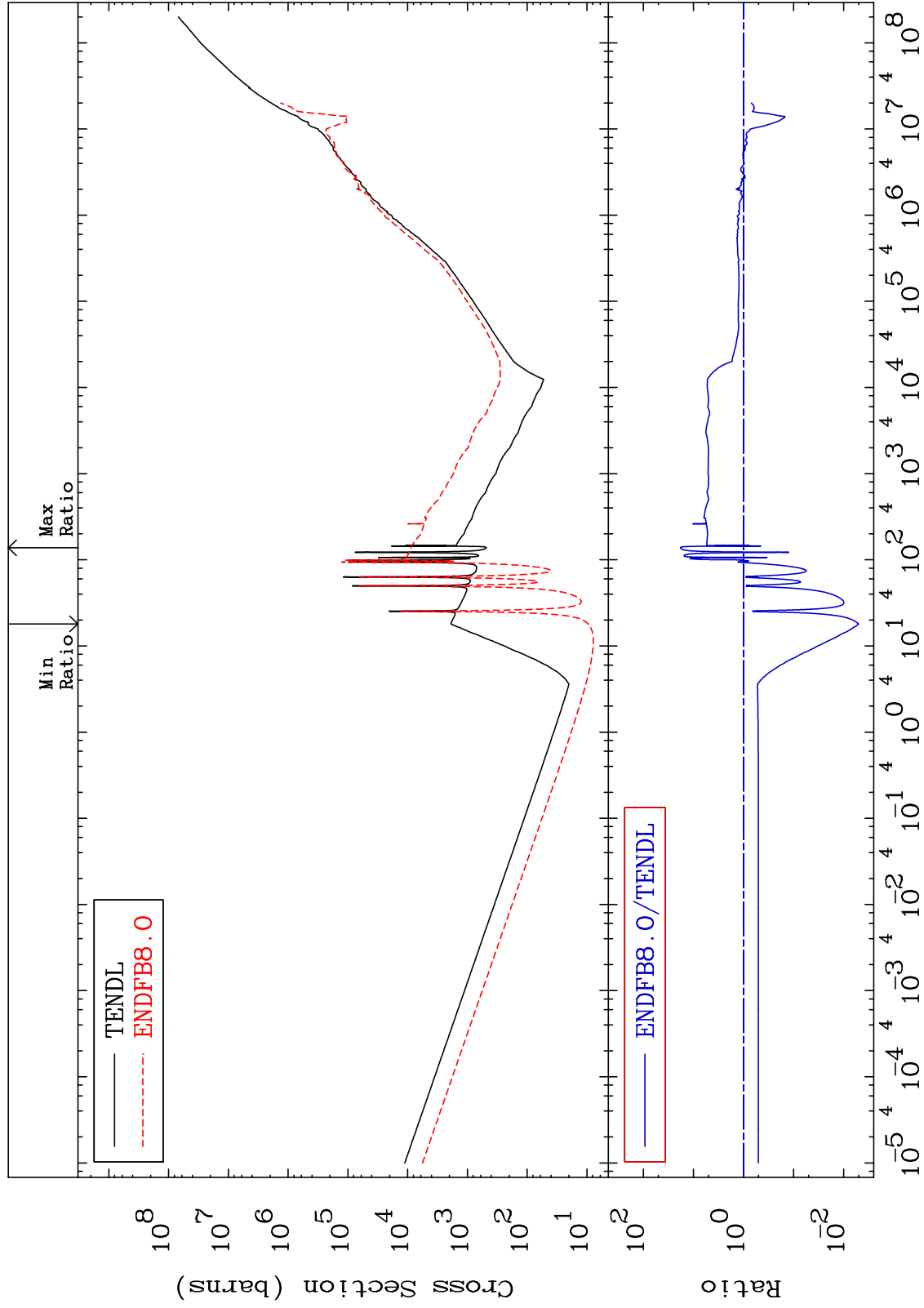
MAT 5634

Kerma non-elastic (all but mt2)

56-Ba-133

-99.50 To 1715. %

Cross Section



35

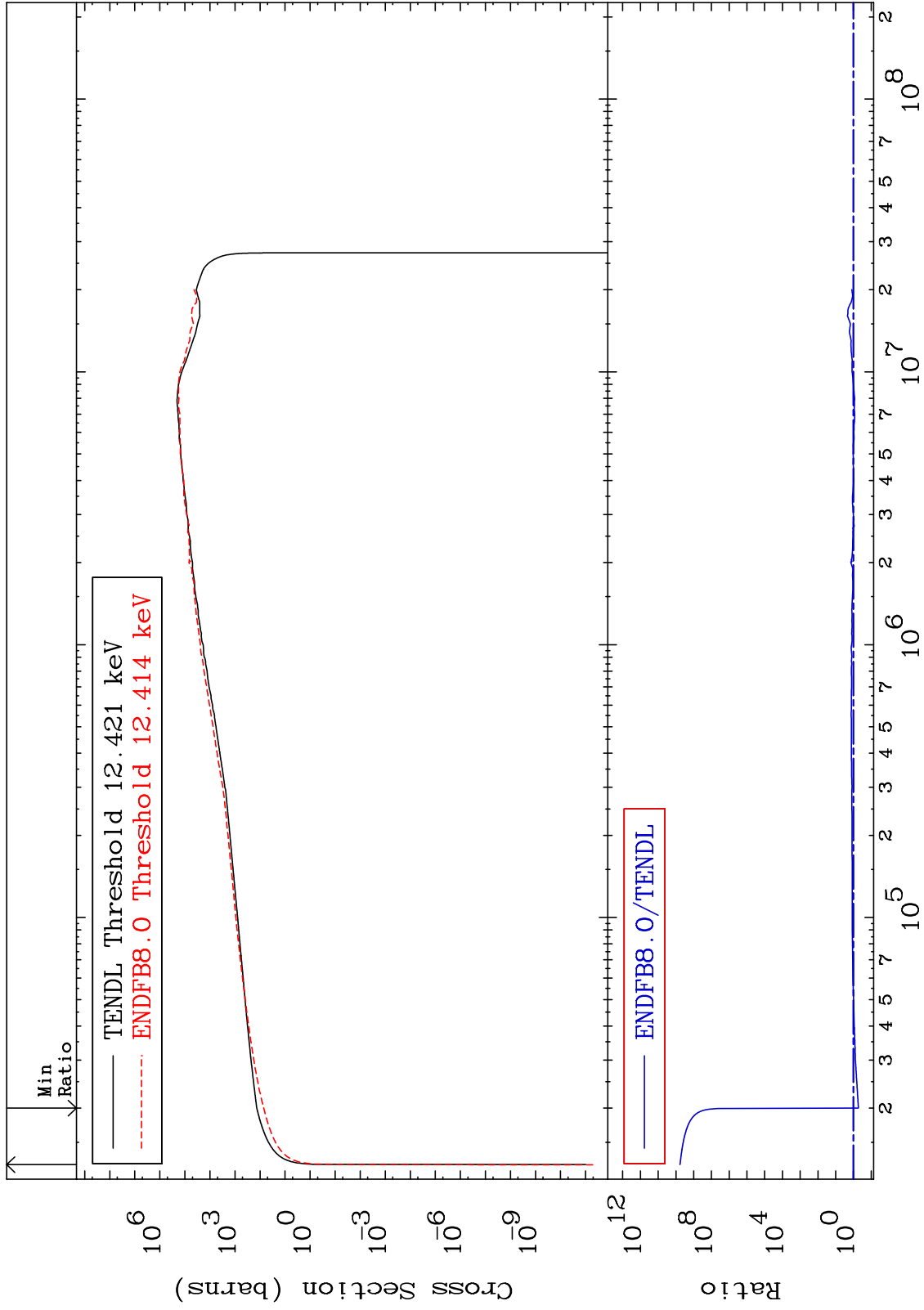
Incident Energy (eV)

56-Ba-133

MAT 5634

Kerma inelastic (mt51-91)
Cross Section

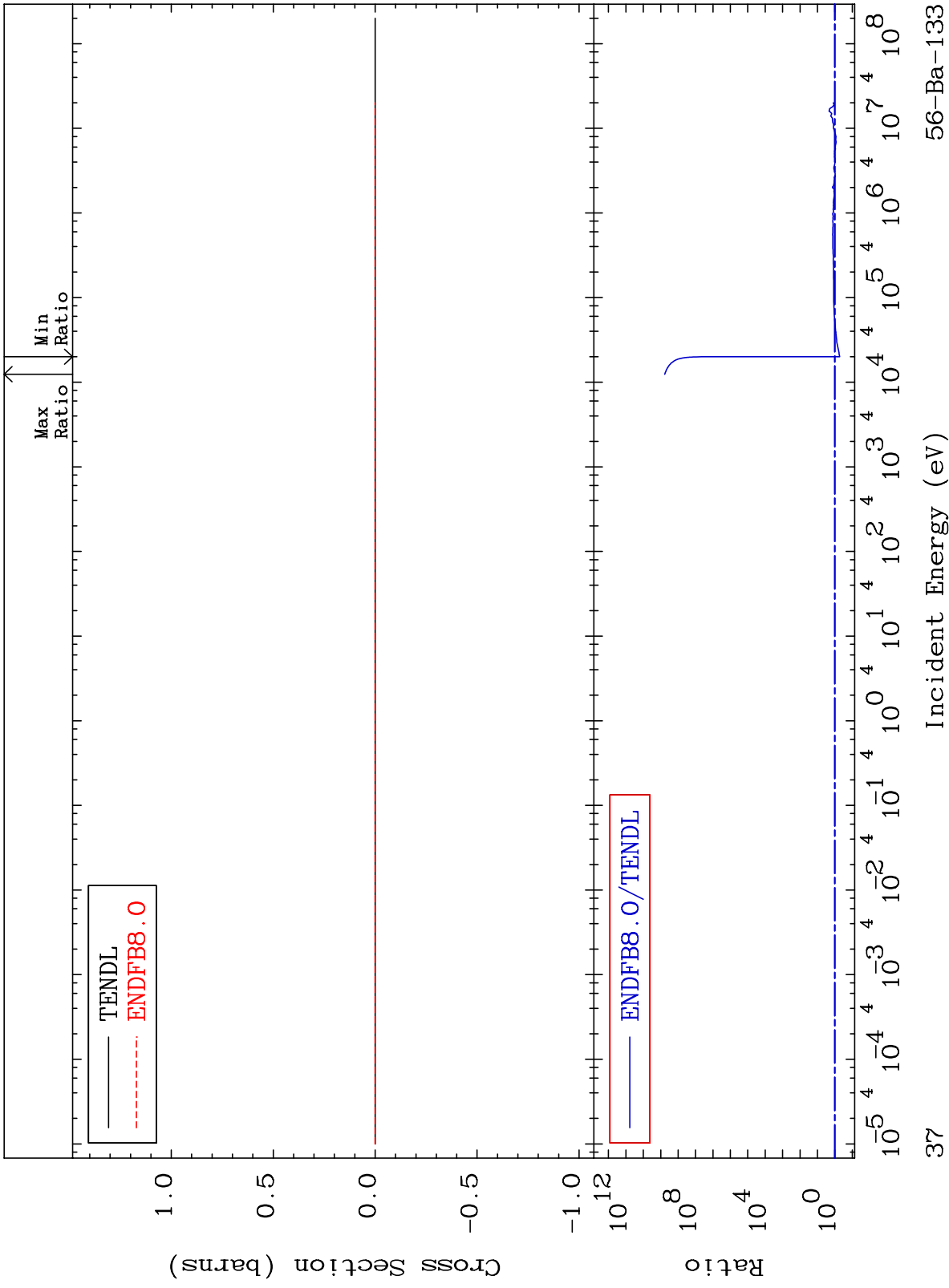
56-Ba-133
-47.55 To 9999. %



MAT 5634

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

56-Ba-133
-47.55 To 9999. %



37

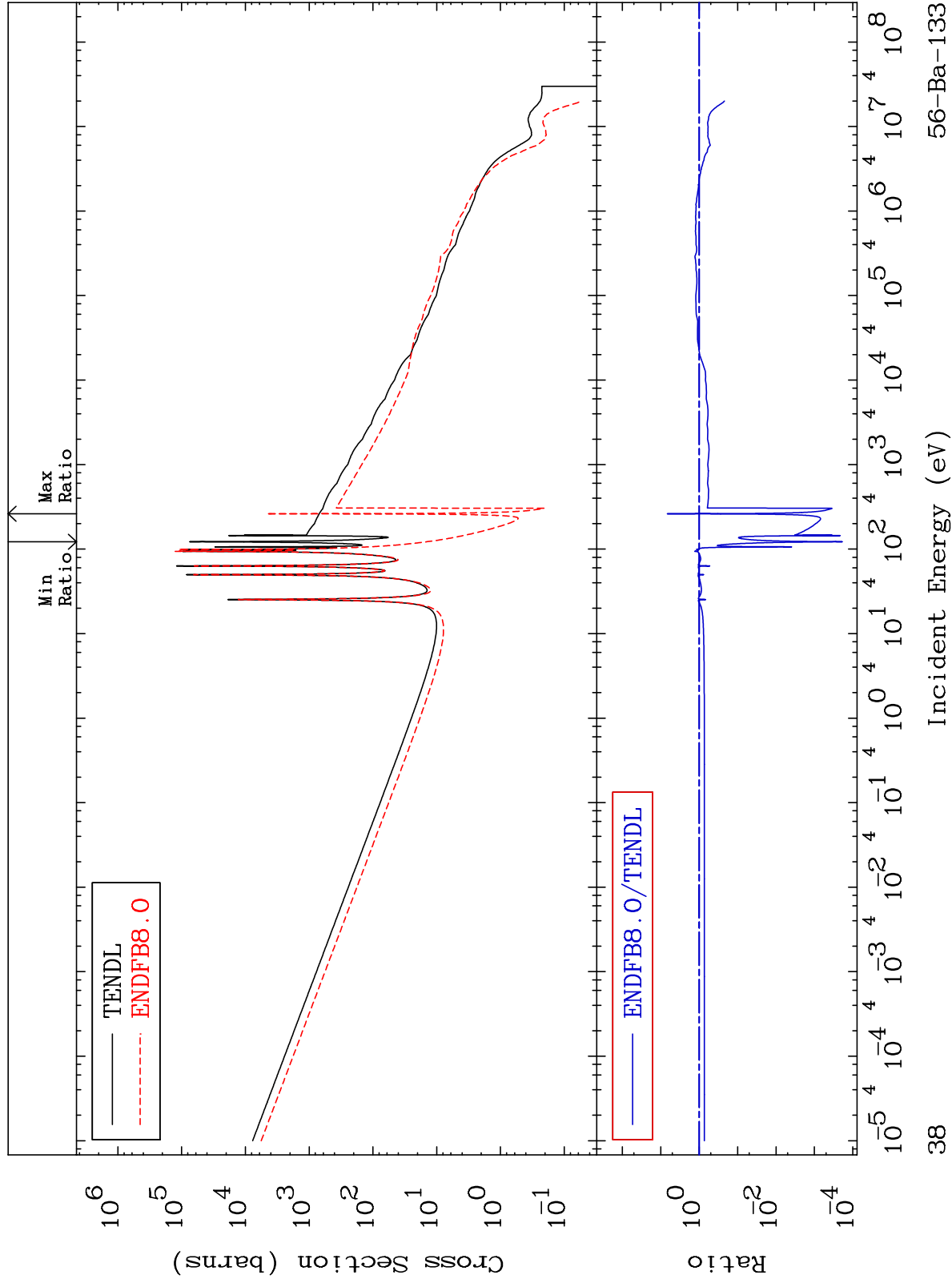
Incident Energy (eV)

56-Ba-133

MAT 5634

Kerma capture (mt102)
Cross Section

56-Ba-133
-99.98 To 570.2 %

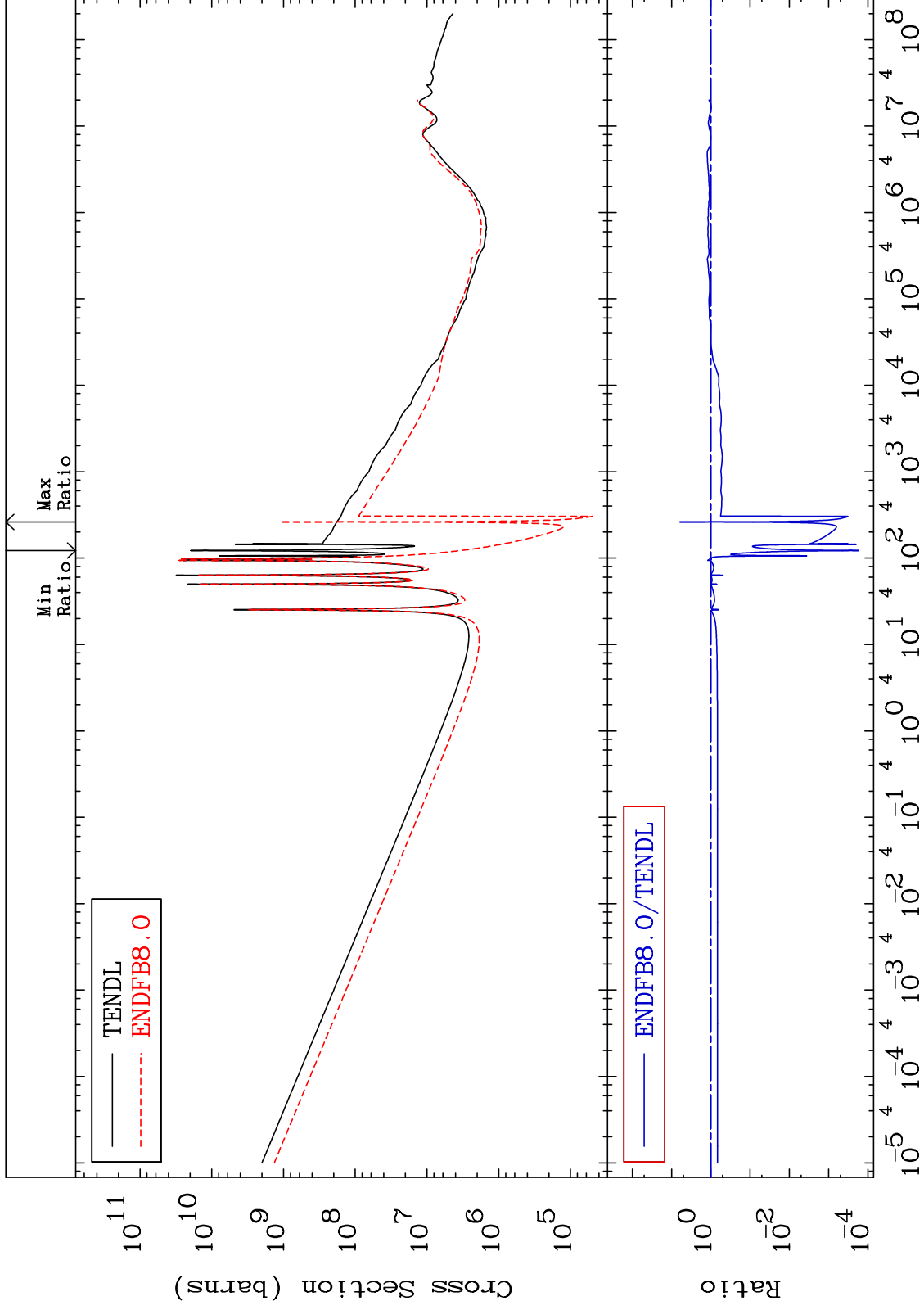


MAT 5634

Total photon (eV-barns)
Cross Section

56-Ba-133

-99.98 To 516.4 %



39

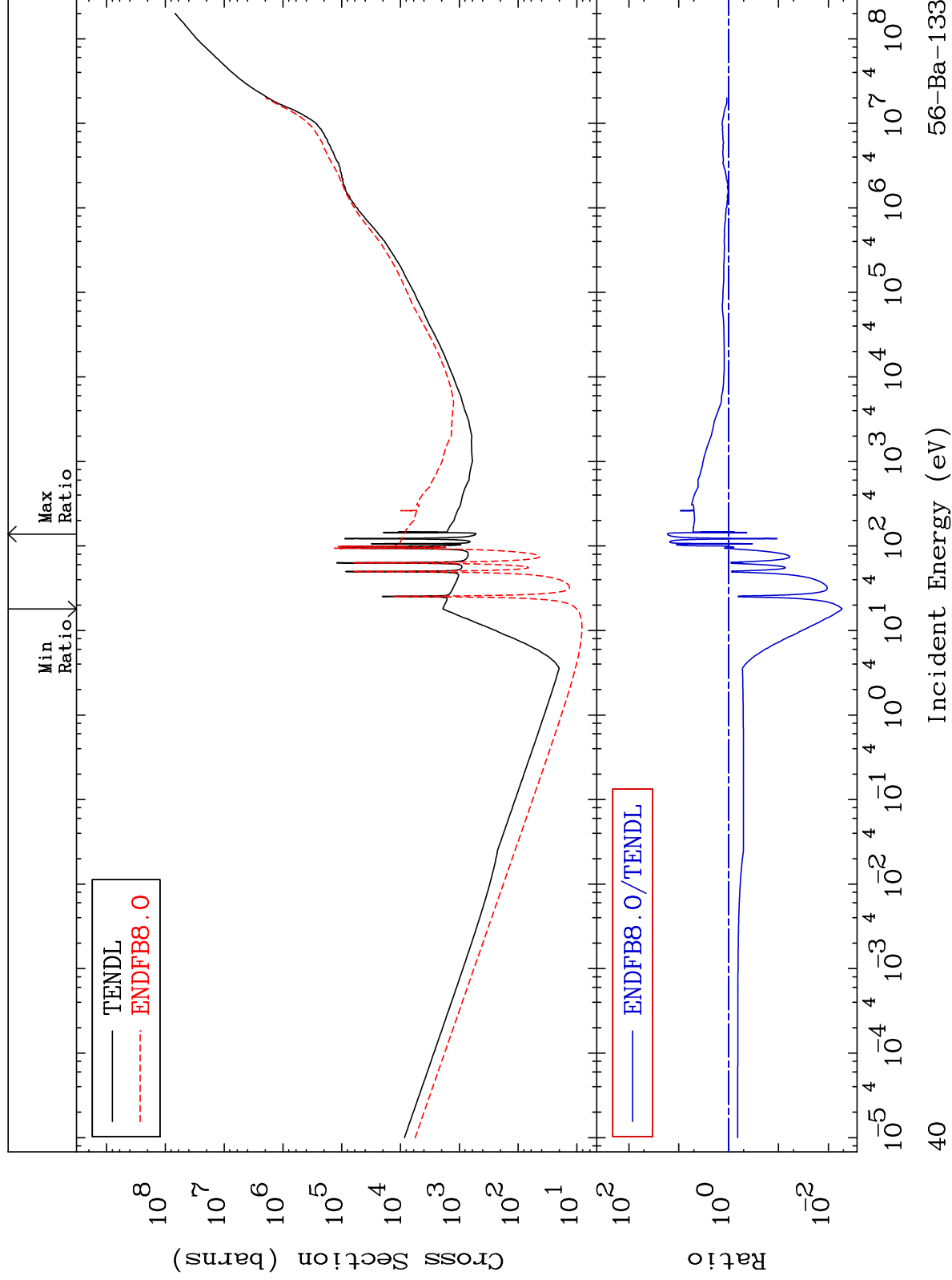
Incident Energy (eV)

56-Ba-133

MAT 5634

Total kinematic kerma (high limit)
Cross Section

56-Ba-133
-99.47 To 1586. %



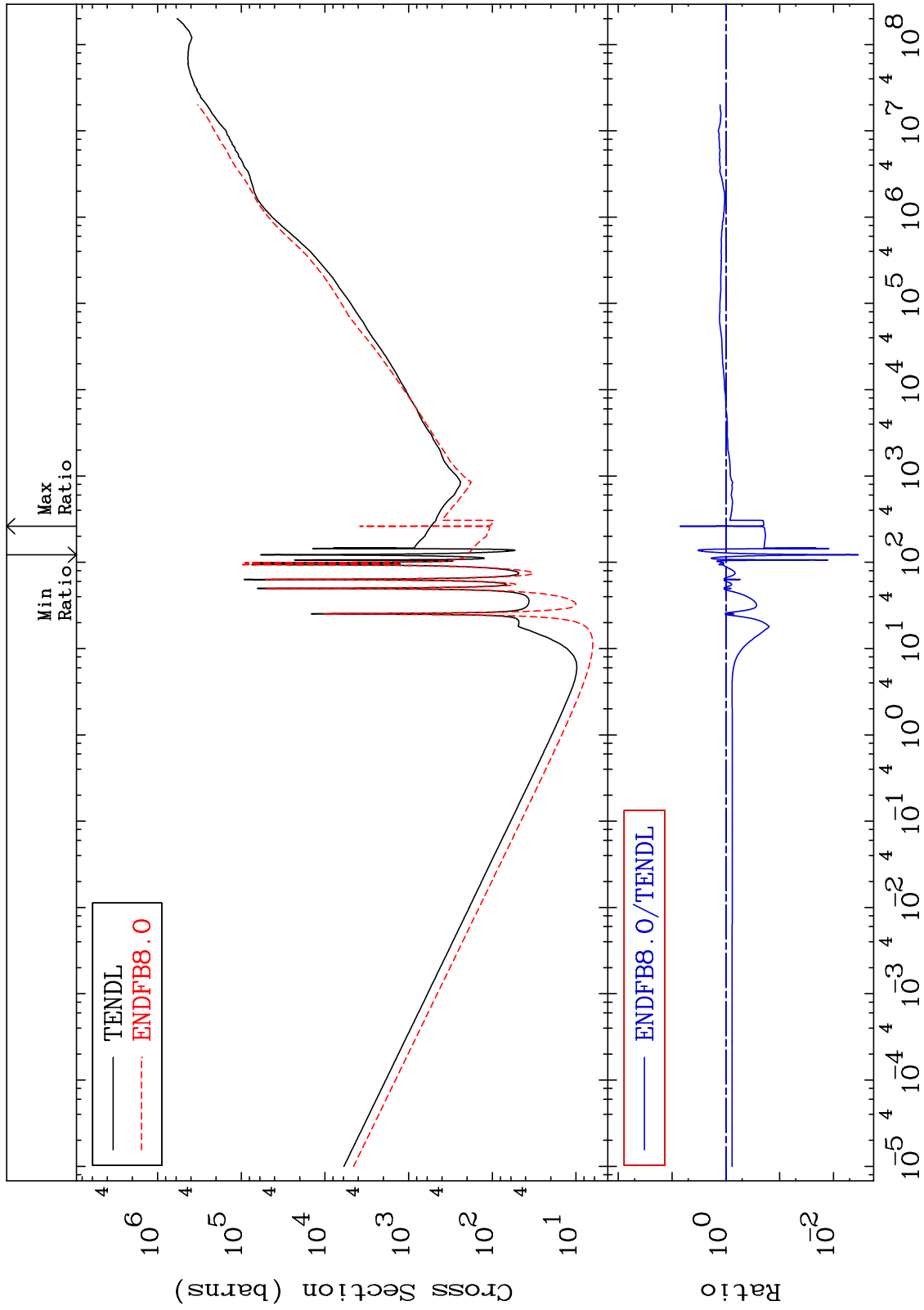
40

56-Ba-133

MAT 5634

Dpa total (eV-barns)
Cross Section

56-Ba-133
-99.66 To 612.2 %



41

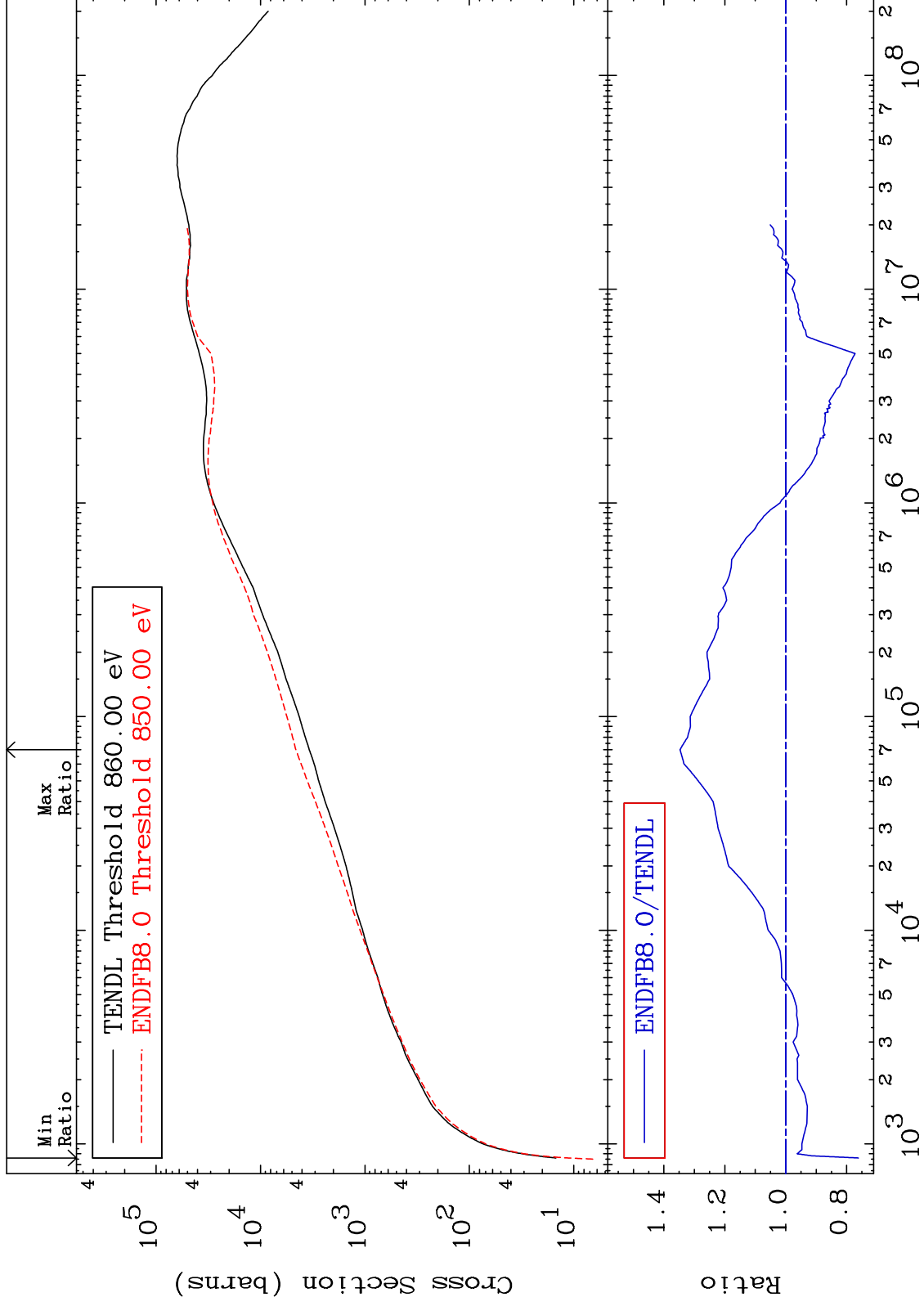
Incident Energy (eV)

56-Ba-133

MAT 5634

Dpa elastic (mt2)
Cross Section

56-Ba-133
-23.85 To 34.71 %



42

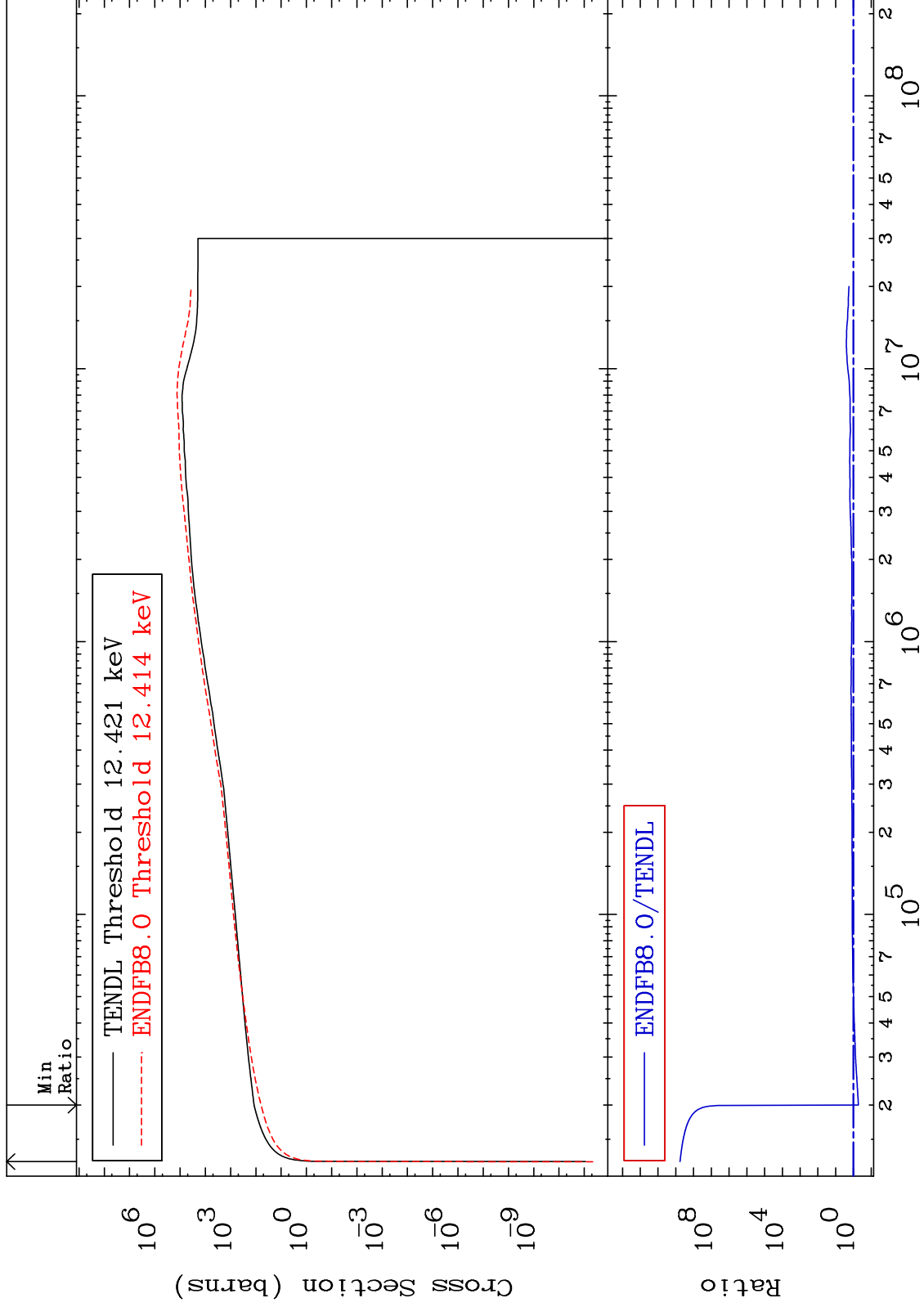
Incident Energy (eV)

56-Ba-133

MAT 5634

Dpa inelastic (mt51-91)
Cross Section

56-Ba-133
-47.55 To 9999. %



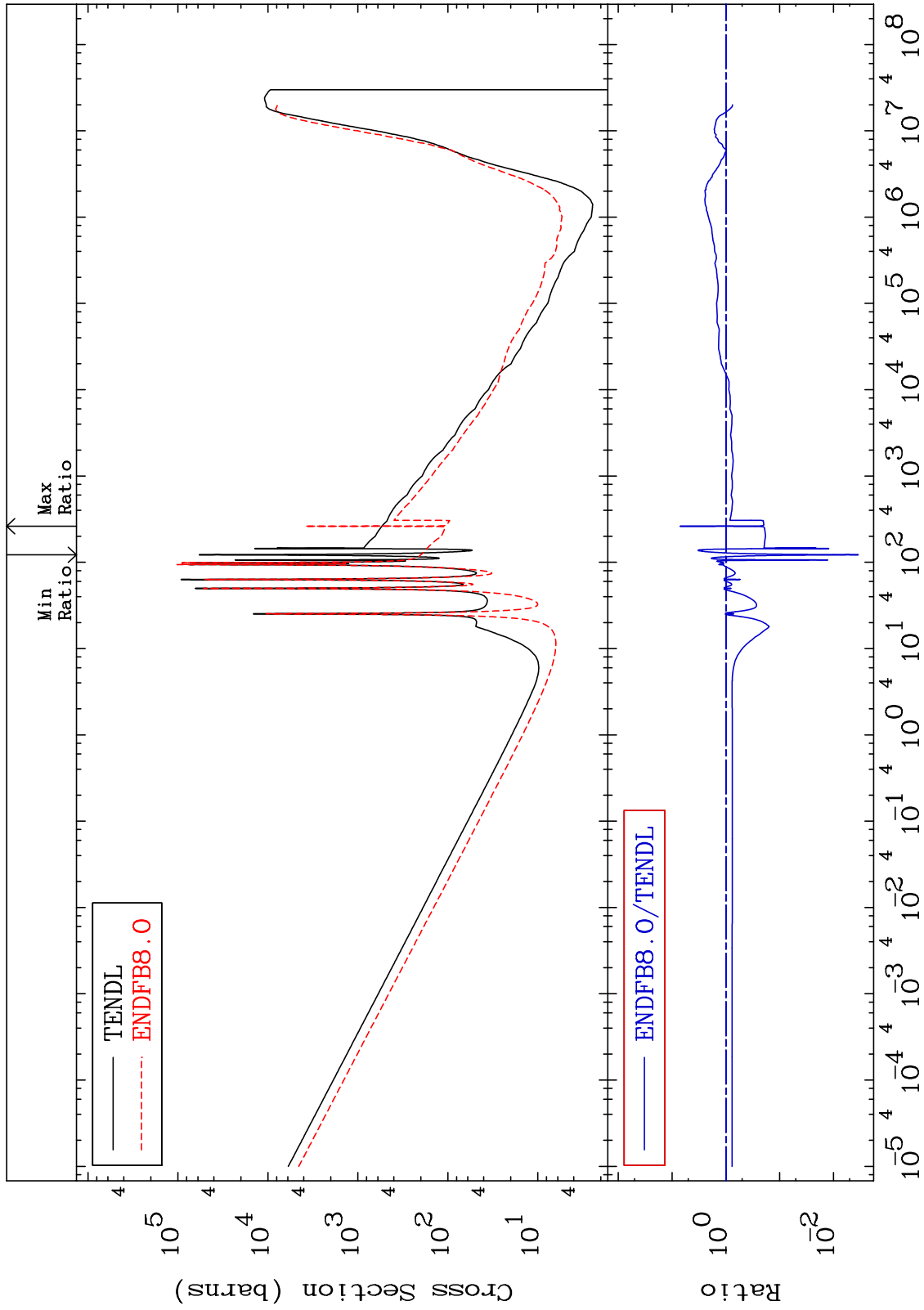
MAT 5634

Dpa disappearance (mt102 -120)

56-Ba-133

-99.66 To 612.2 %

Cross Section



44

Incident Energy (eV)

56-Ba-133