

Program Complot
(Version 2018-1)

by

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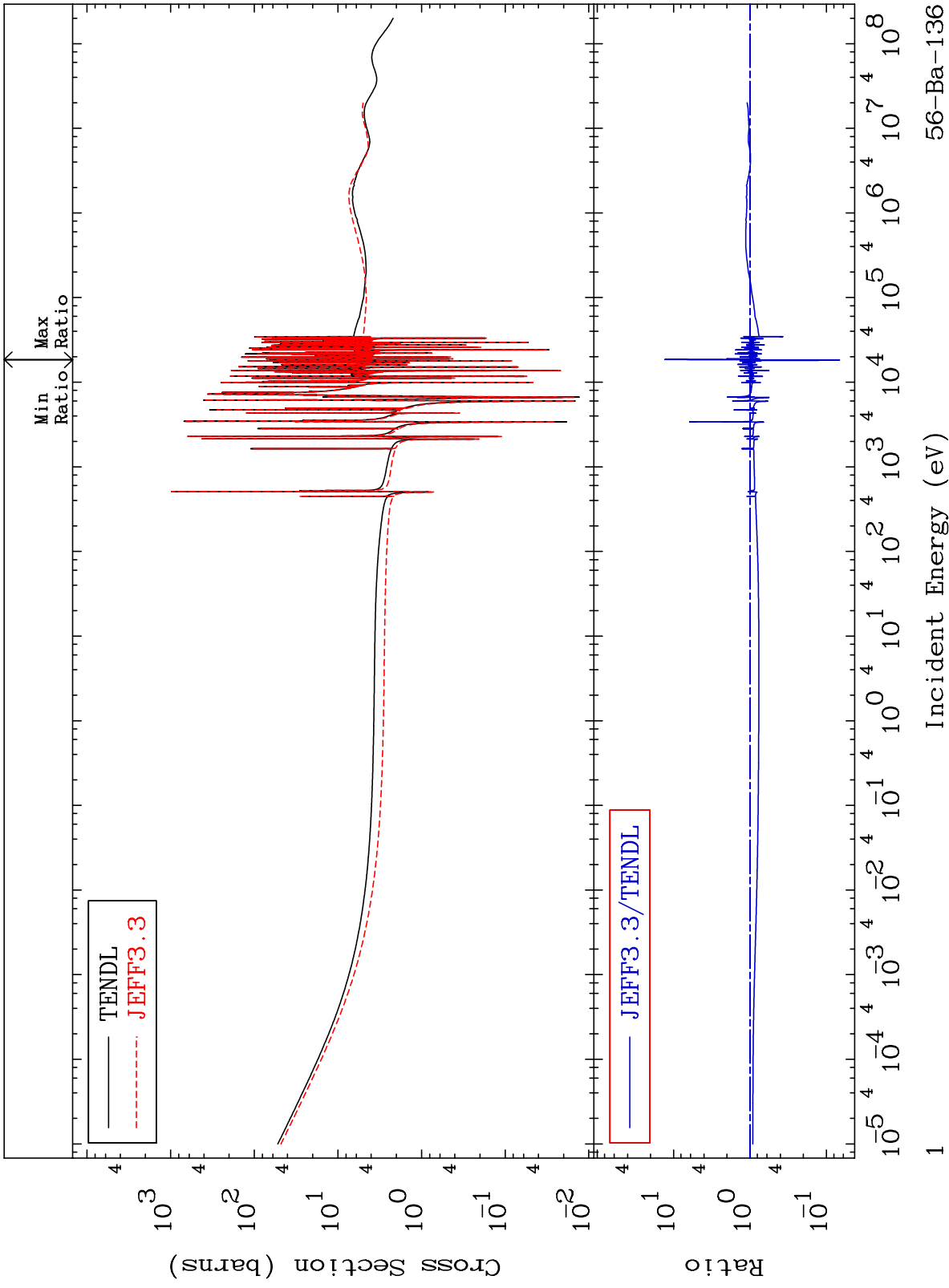
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5643

Total
Cross Section

56-Ba-136
-93.30 To 1206. %



56-Ba-136

Incident Energy (eV)

1

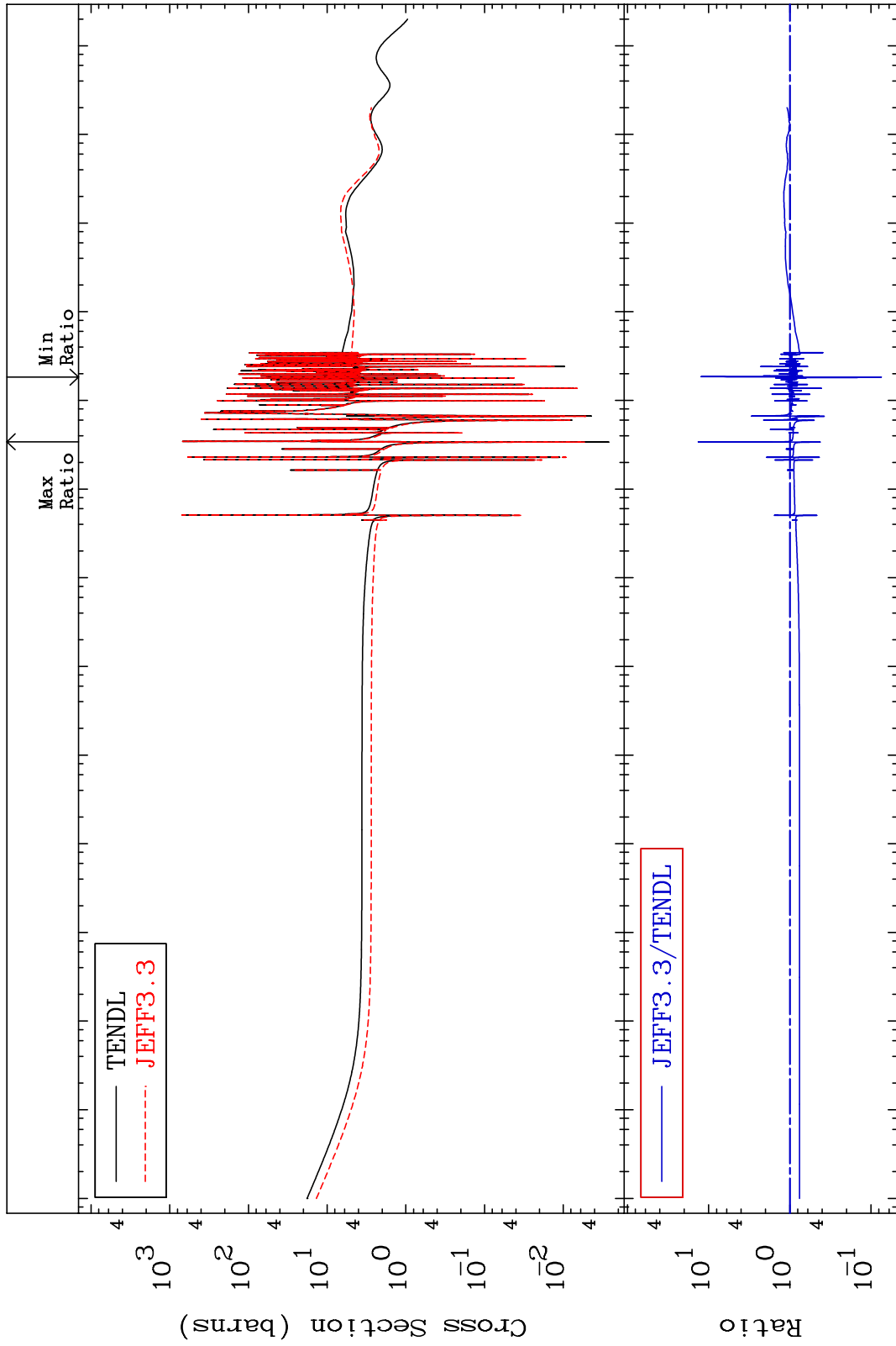
MAT 5643

Elastic

Cross Section

56-Ba-136

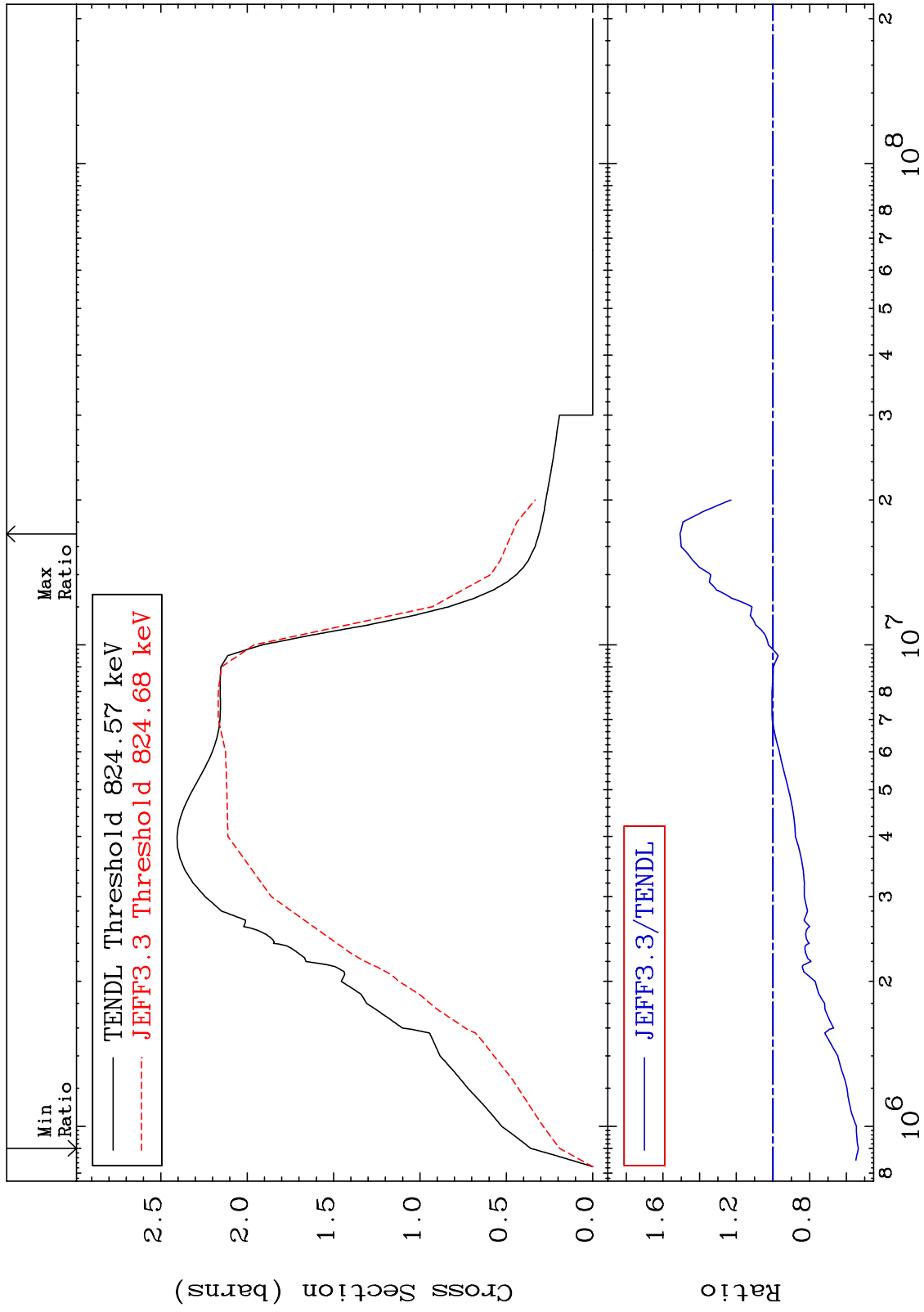
-92.58 To 1241. %



MAT 5643

Inelastic
Cross Section

56-Ba-136
-46.58 To 50.67 %



3

Incident Energy (eV)

56-Ba-136

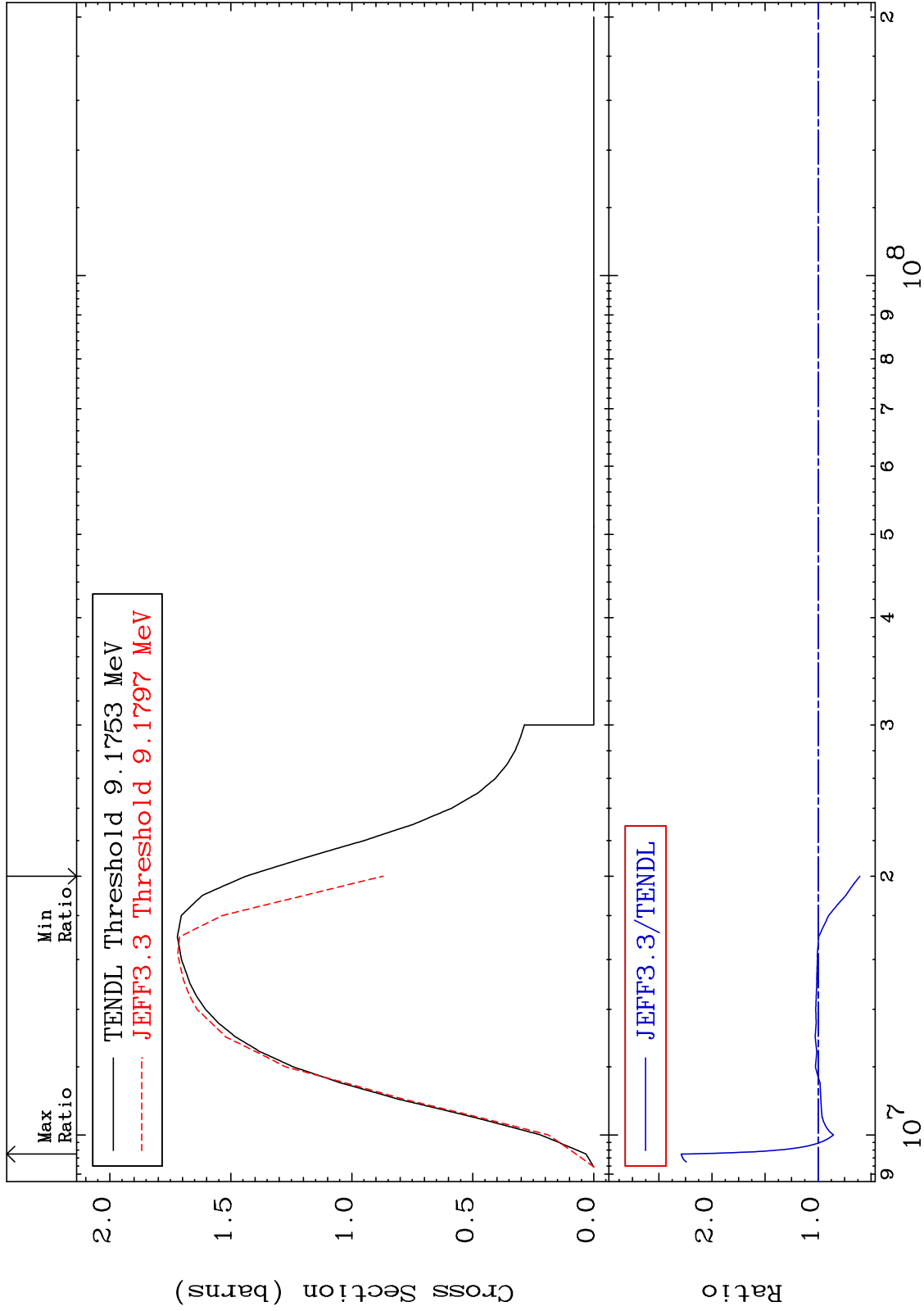
MAT 5643

(n, 2n)

56-Ba-136

Cross Section

-39.44 To 129.0 %



4

Incident Energy (eV)

56-Ba-136

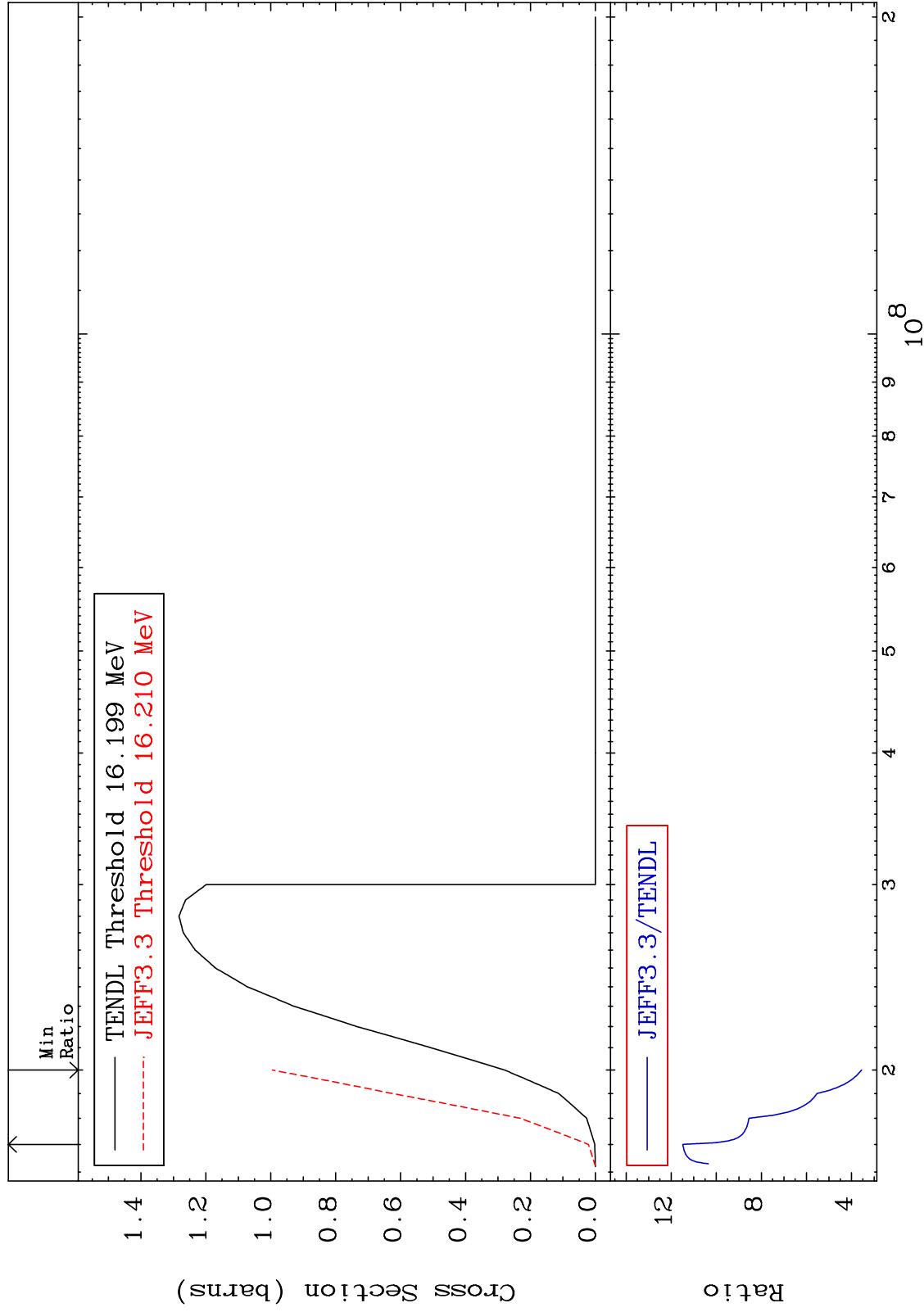
MAT 5643

(n, 3n)

56-Ba-136

Cross Section

255.6 To 1048. %



5

Incident Energy (eV)

56-Ba-136

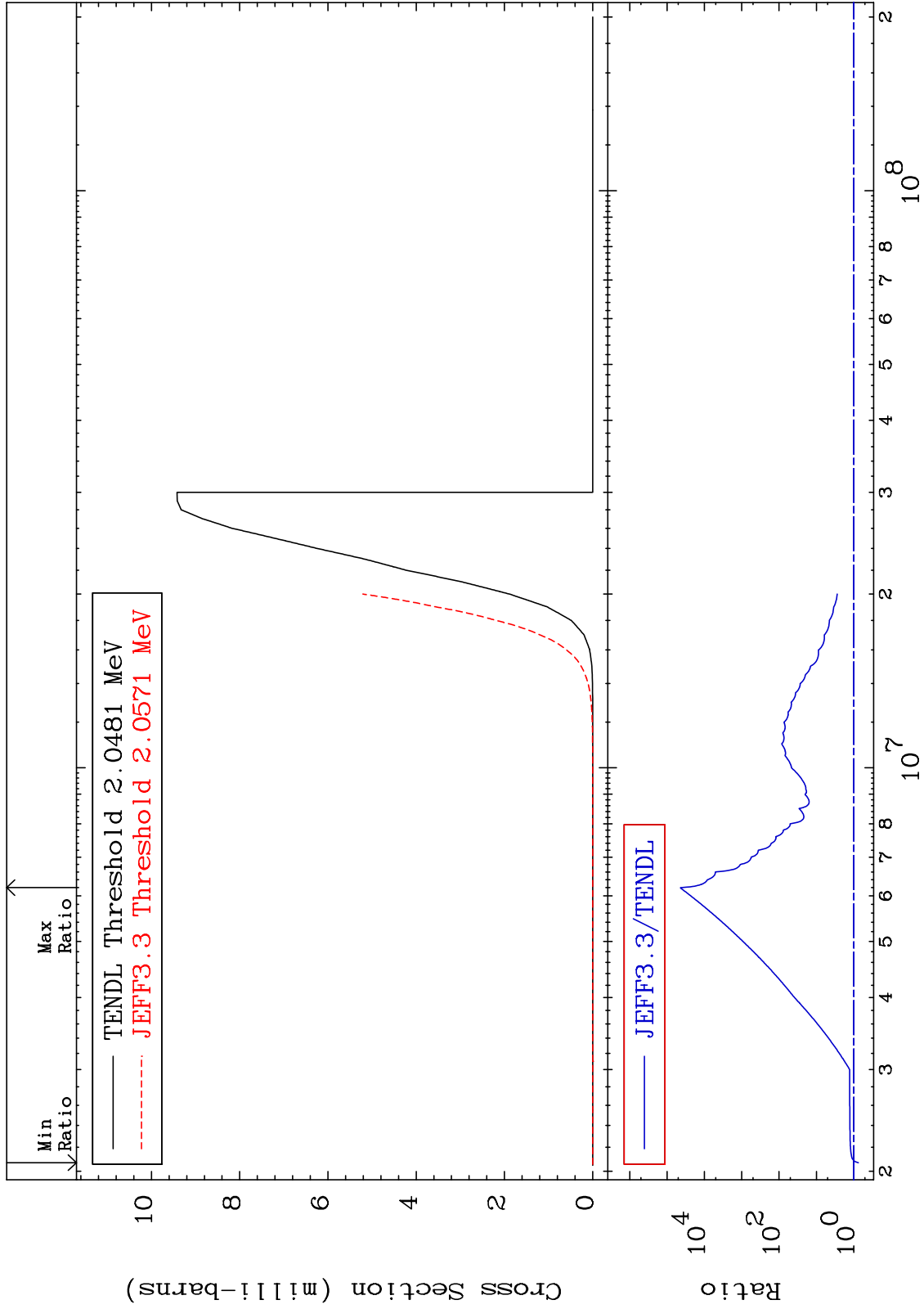
MAT 5643

(n, n') α

56-Ba-136

-25.09 To 9999. %

Cross Section



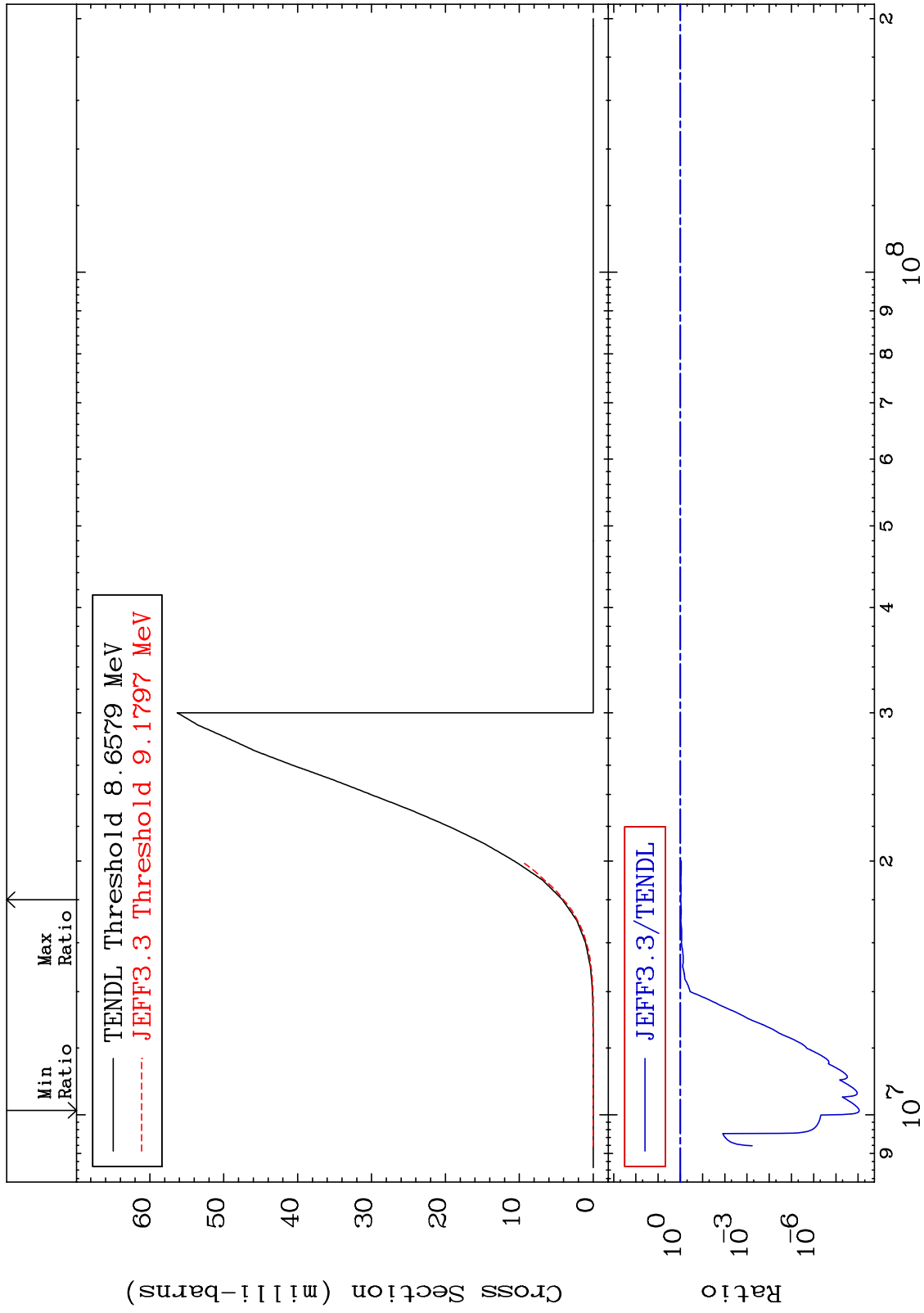
MAT 5643

(n, n') p

56-Ba-136

Cross Section

-100.0 To -2.954%



7

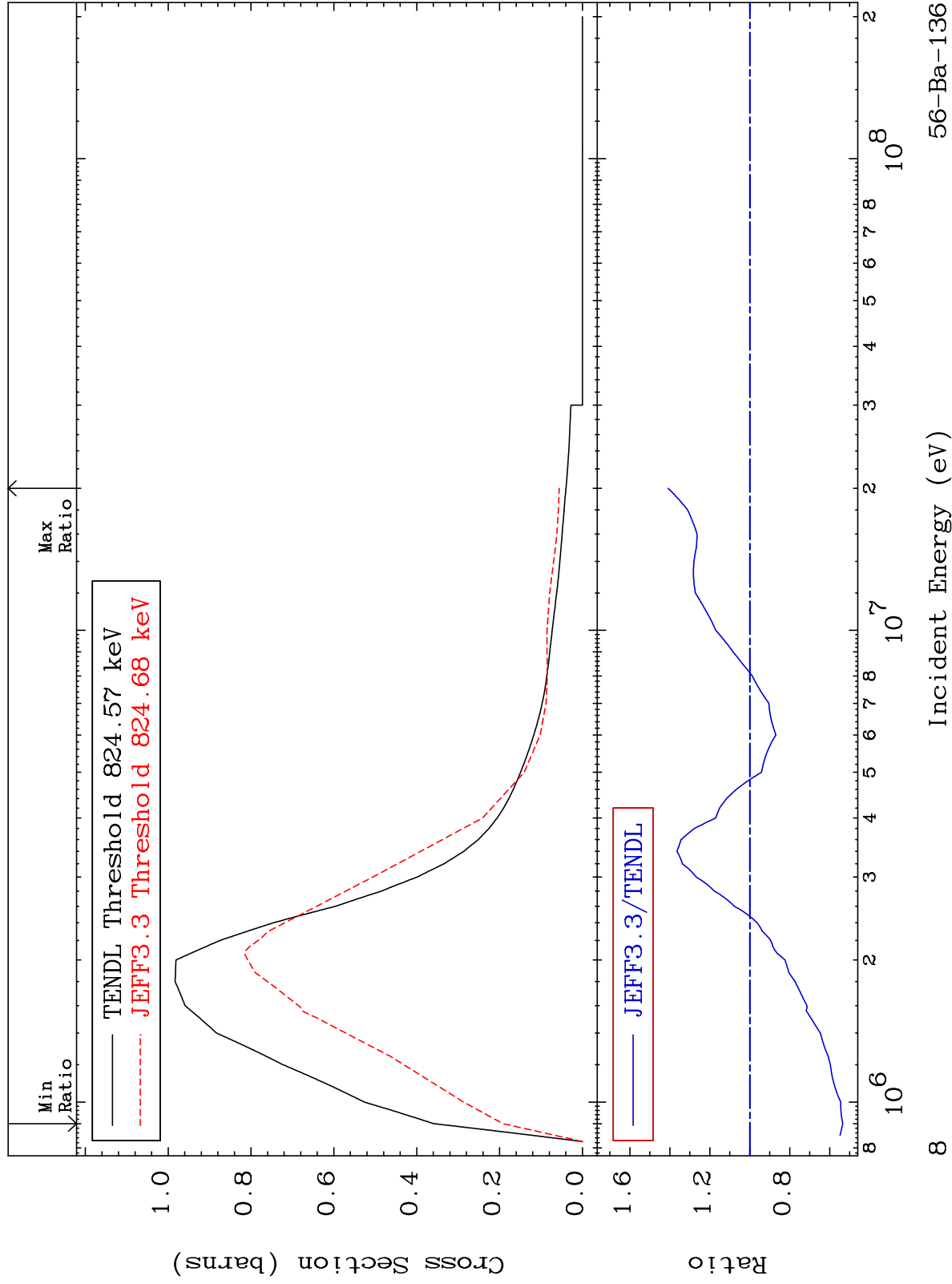
Incident Energy (eV)

56-Ba-136

MAT 5643

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

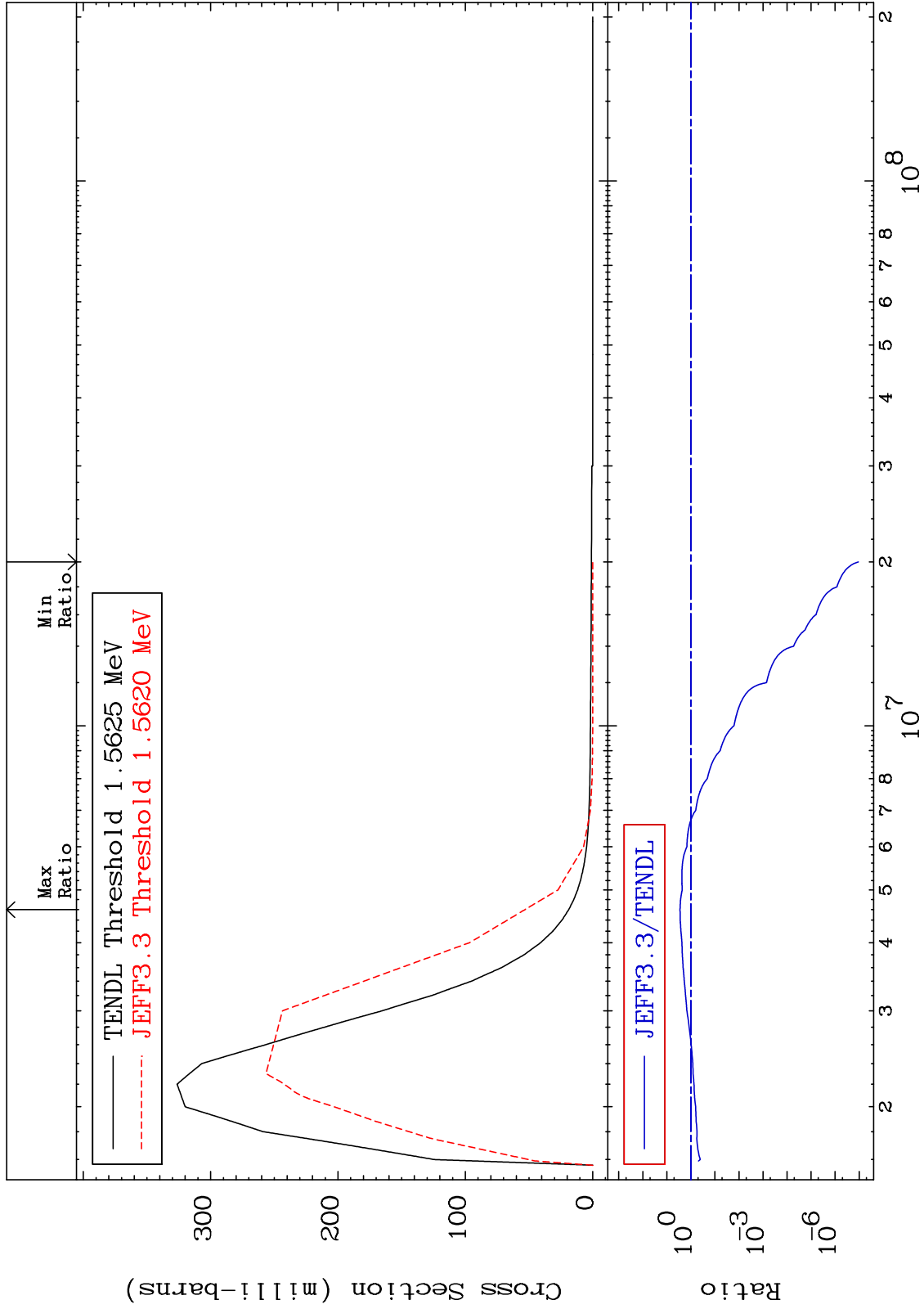
56-Ba-136
-46.58 To 40.89 %



MAT 5643

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

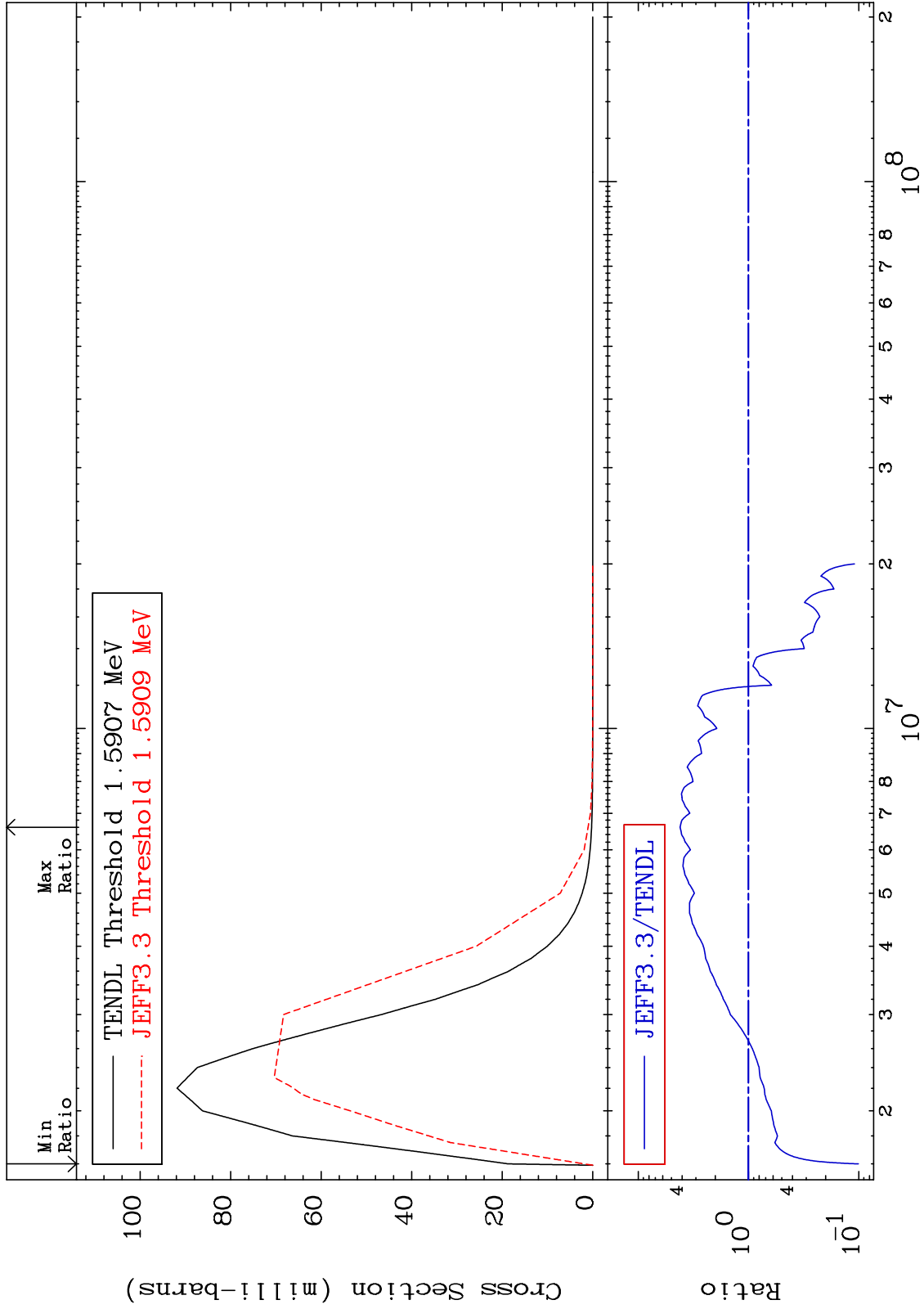
56-Ba-136
-100.0 To 183.0 %



MAT 5643

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

56-Ba-136
-89.92 To 318.1 %

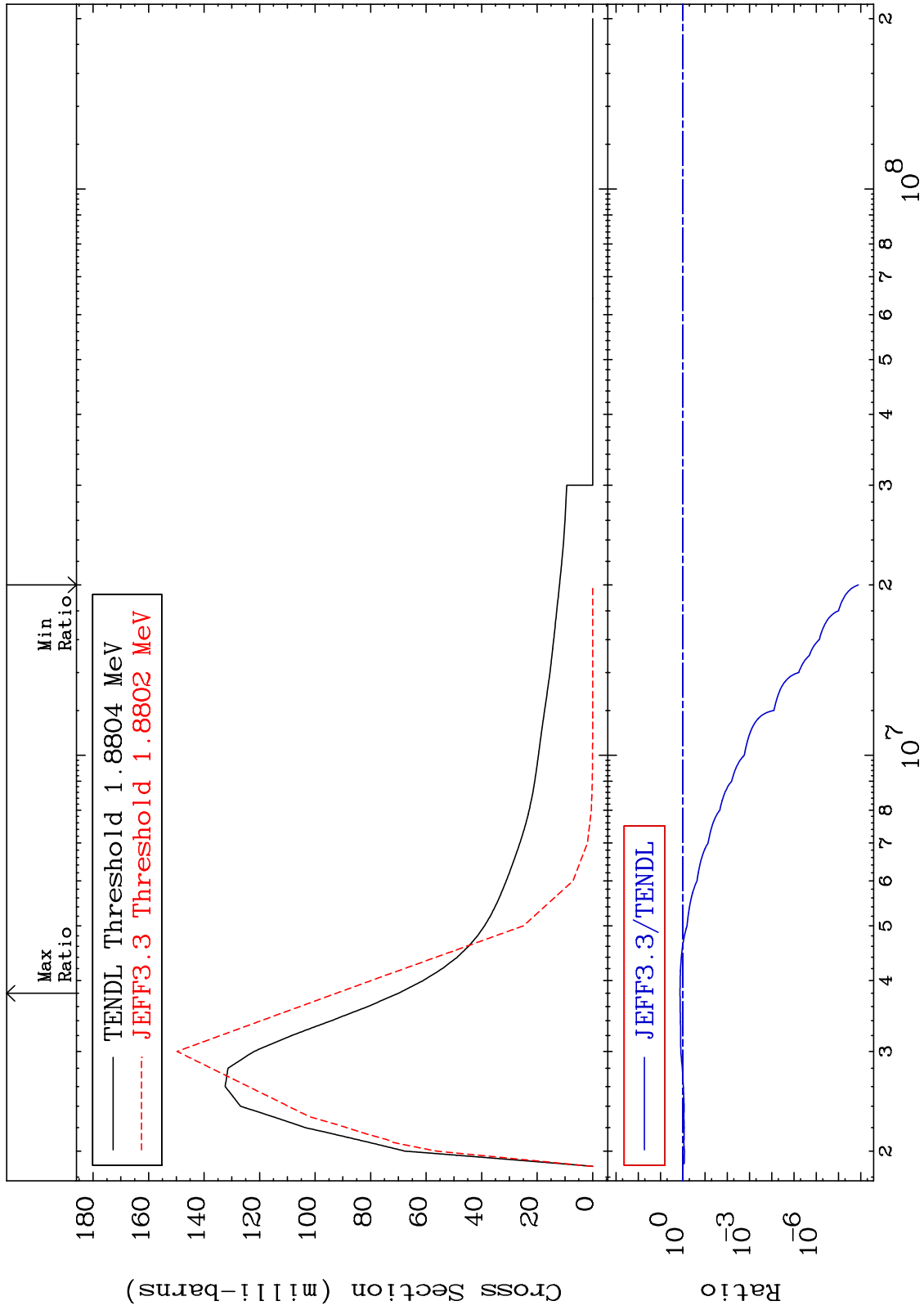


10

Incident Energy (eV)

56-Ba-136

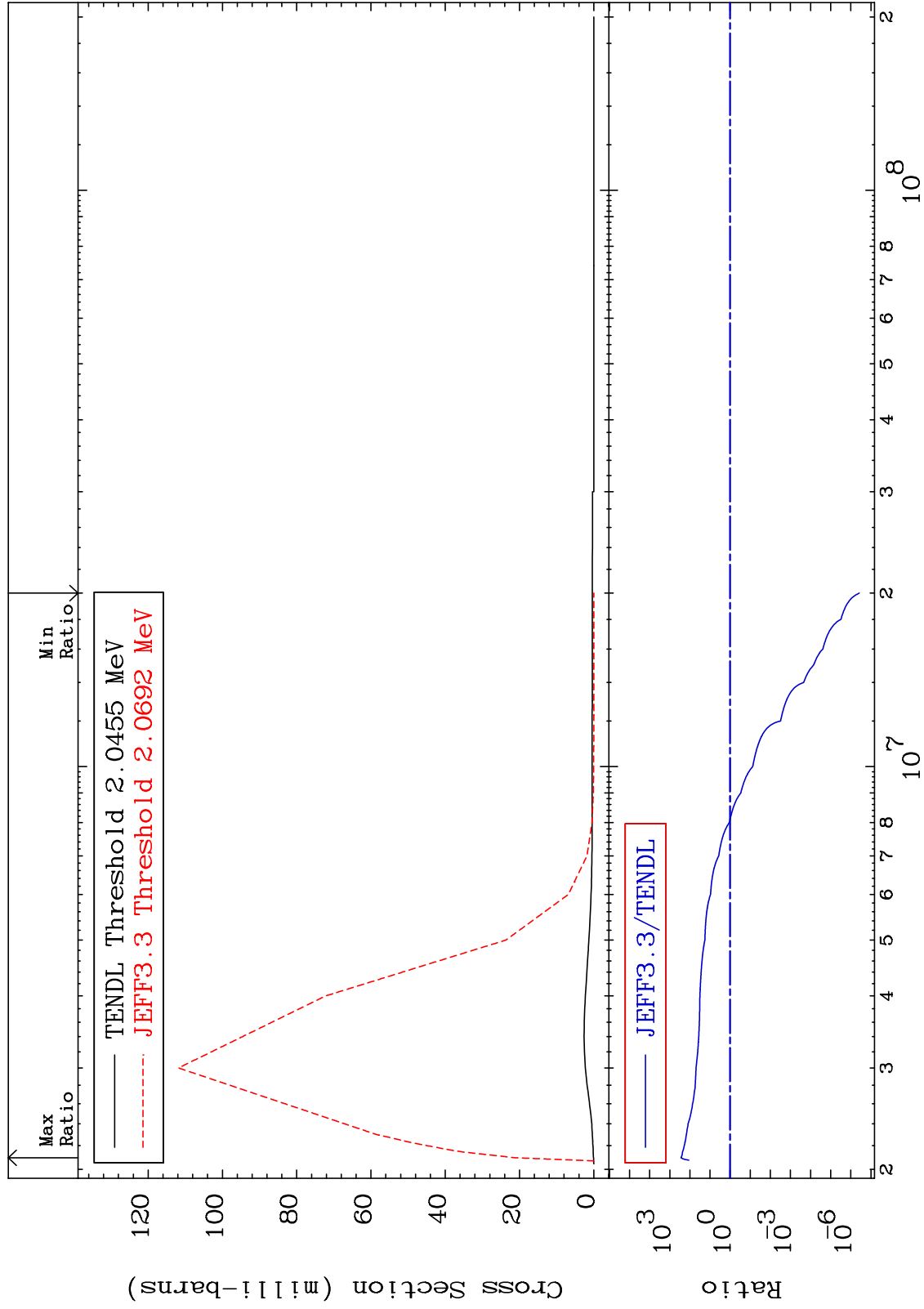
MAT 5643 MT= 54 (n,n') Level
 Cross Section 56-Ba-136
 -100.0 To 32.07 %



MAT 5643

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

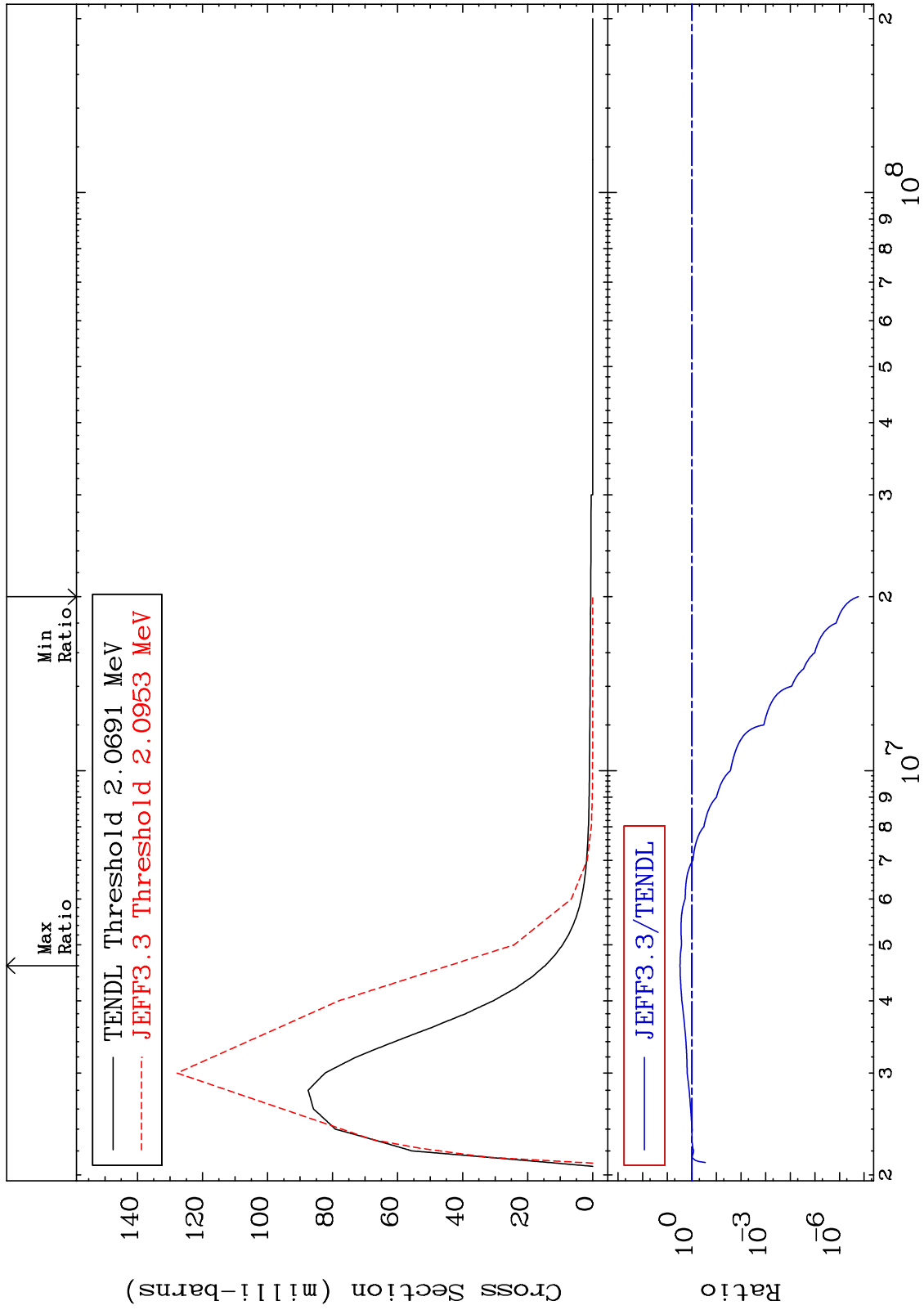
56-Ba-136
-100.0 To 9999. %



MAT 5643

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

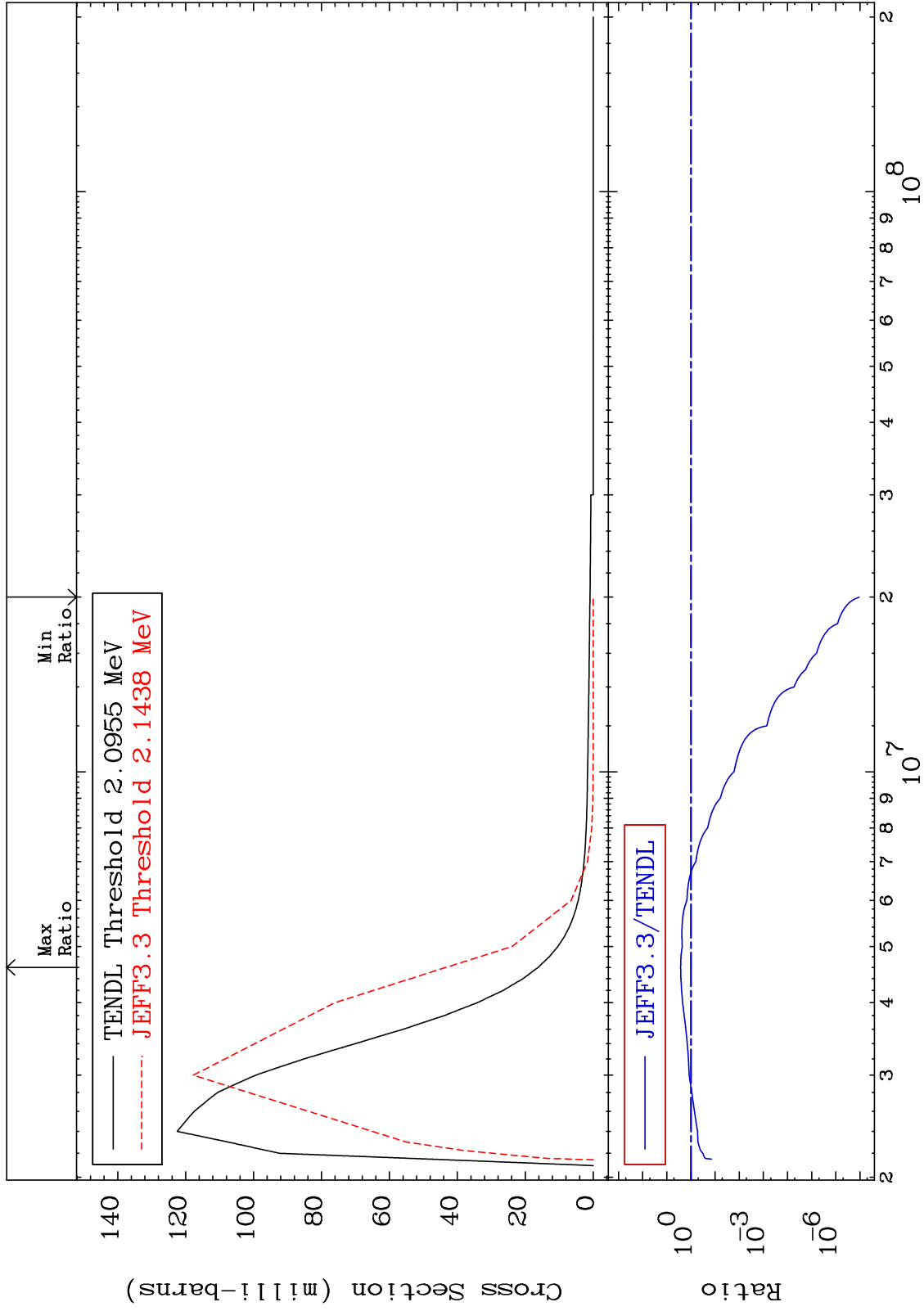
56-Ba-136
-100.0 To 202.5 %



MAT 5643

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

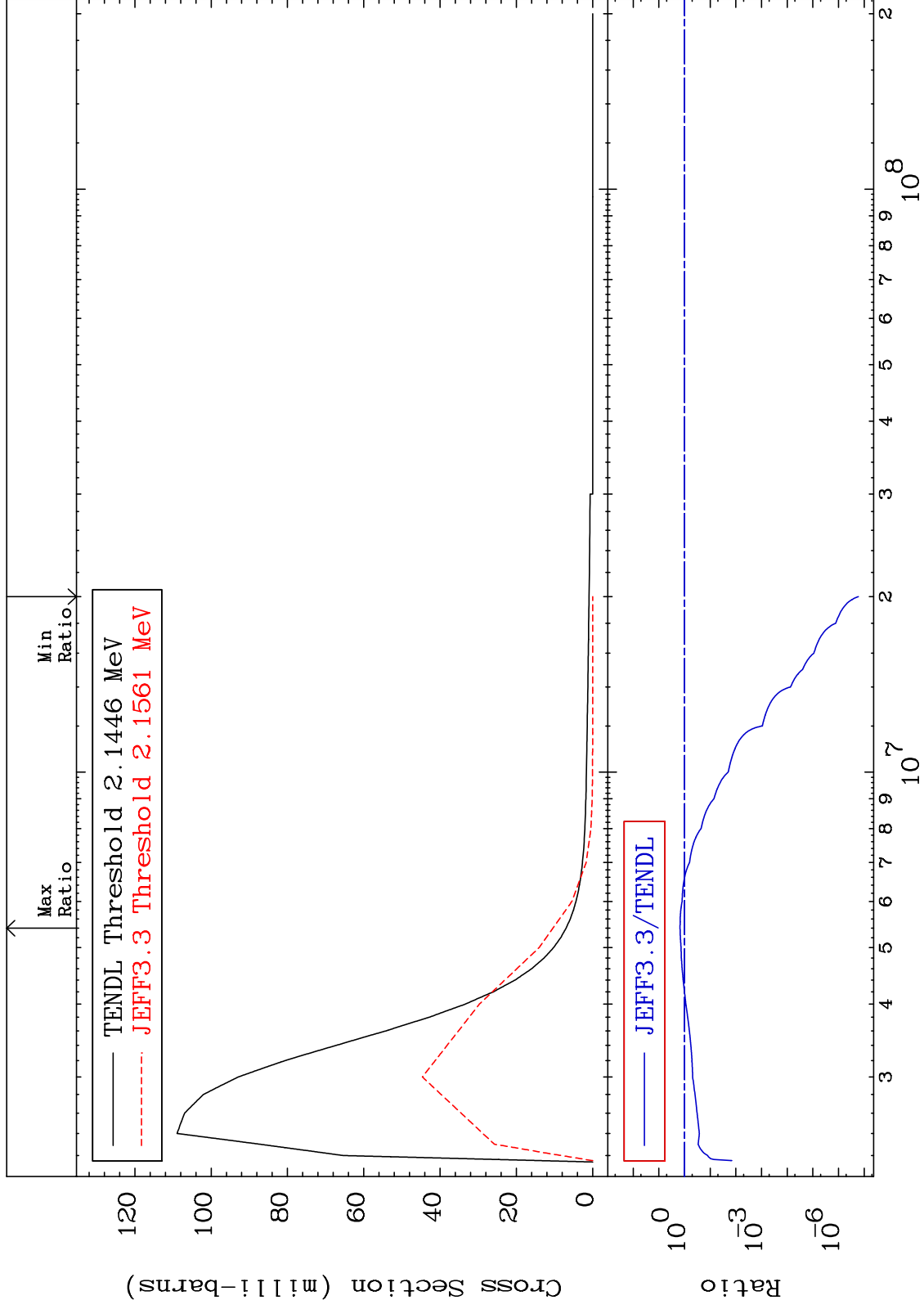
56-Ba-136
-100.0 To 167.1 %



MAT 5643

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

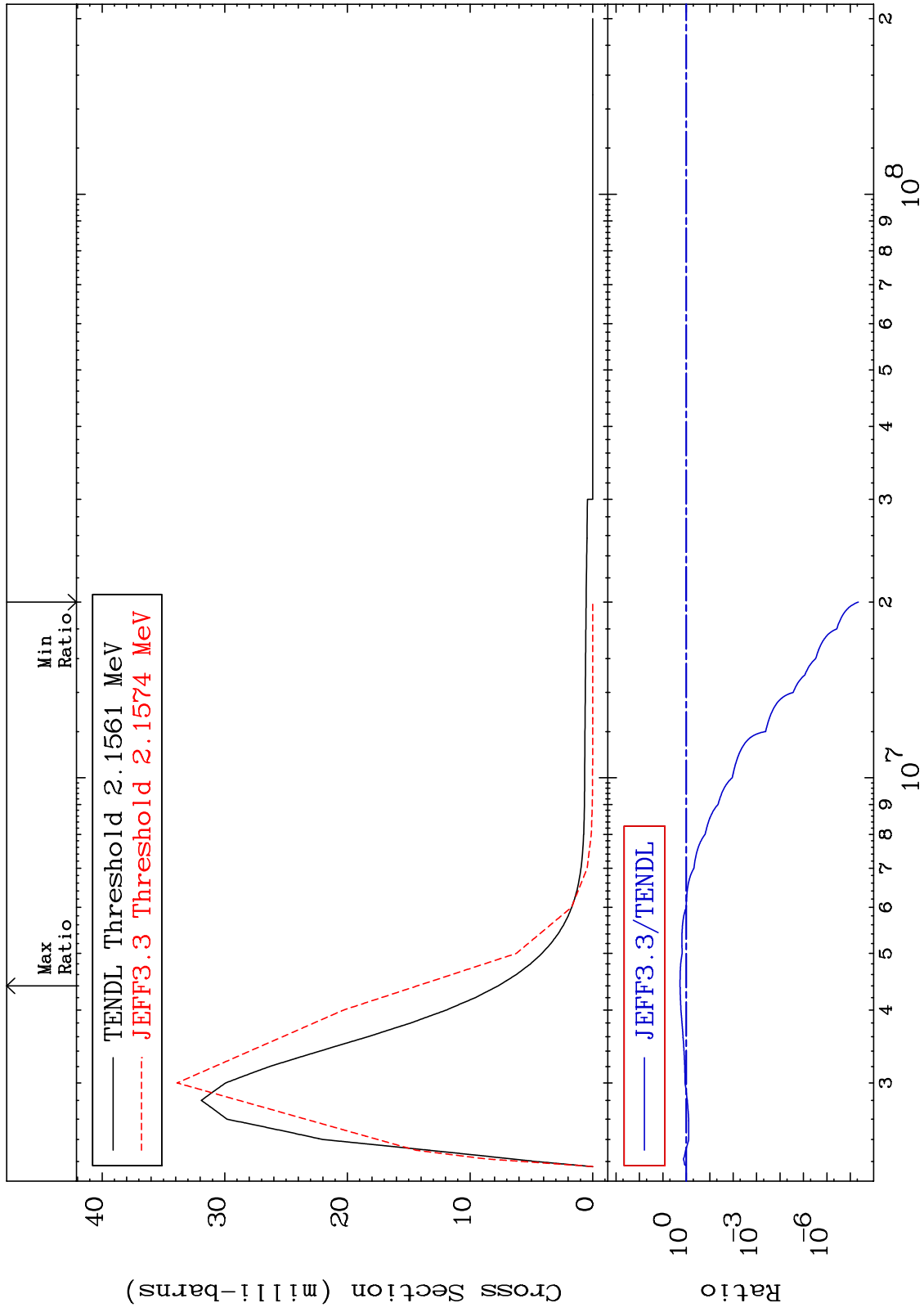
56-Ba-136
-100.0 To 49.58 %



MAT 5643

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

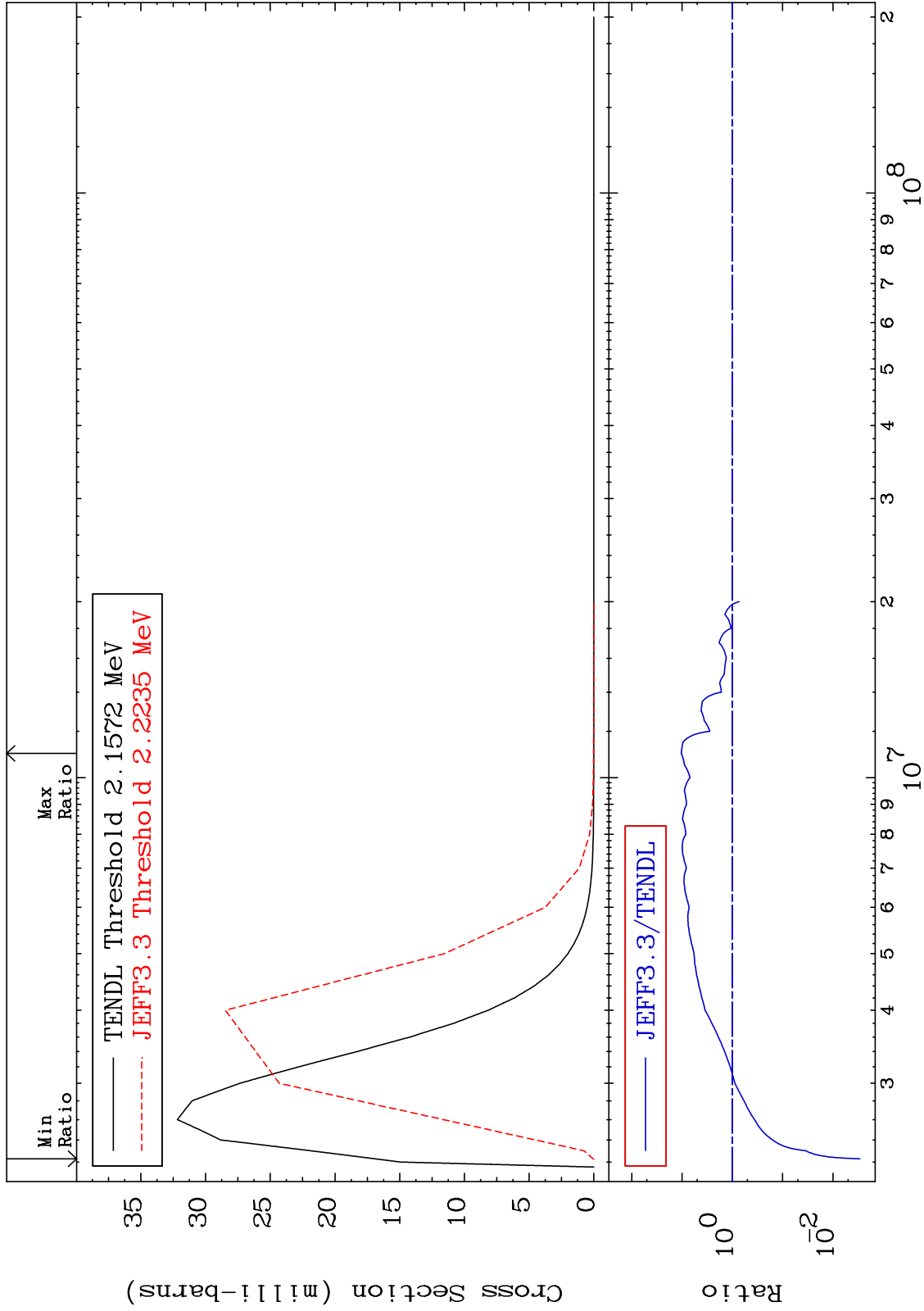
56-Ba-136
-100.0 To 85.61 %



MAT 5643

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

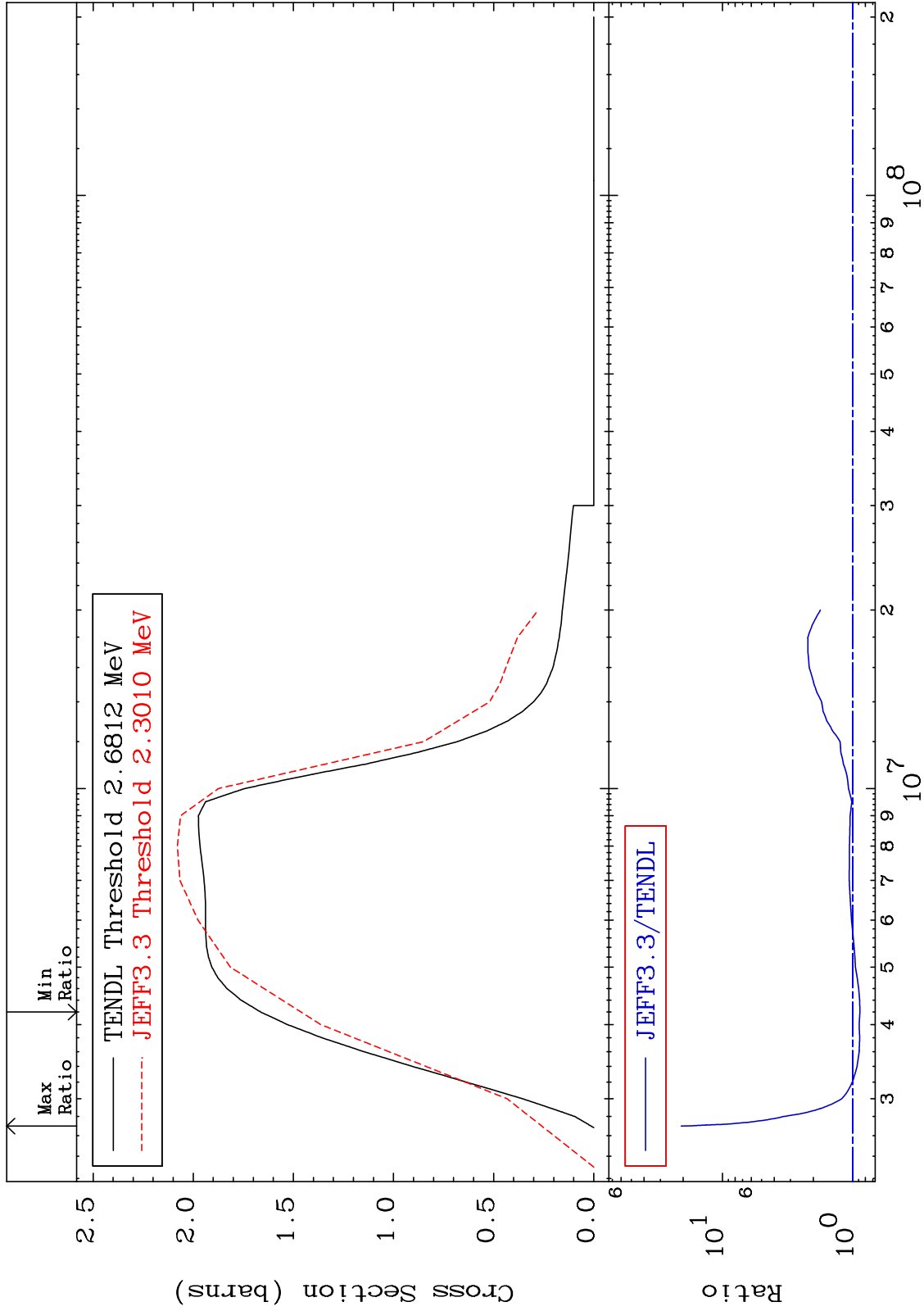
56-Ba-136
-99.71 To 937.2 %



MAT 5643

(n, n') Continuum
Cross Section

56-Ba-136
-12.13 To 1972. %



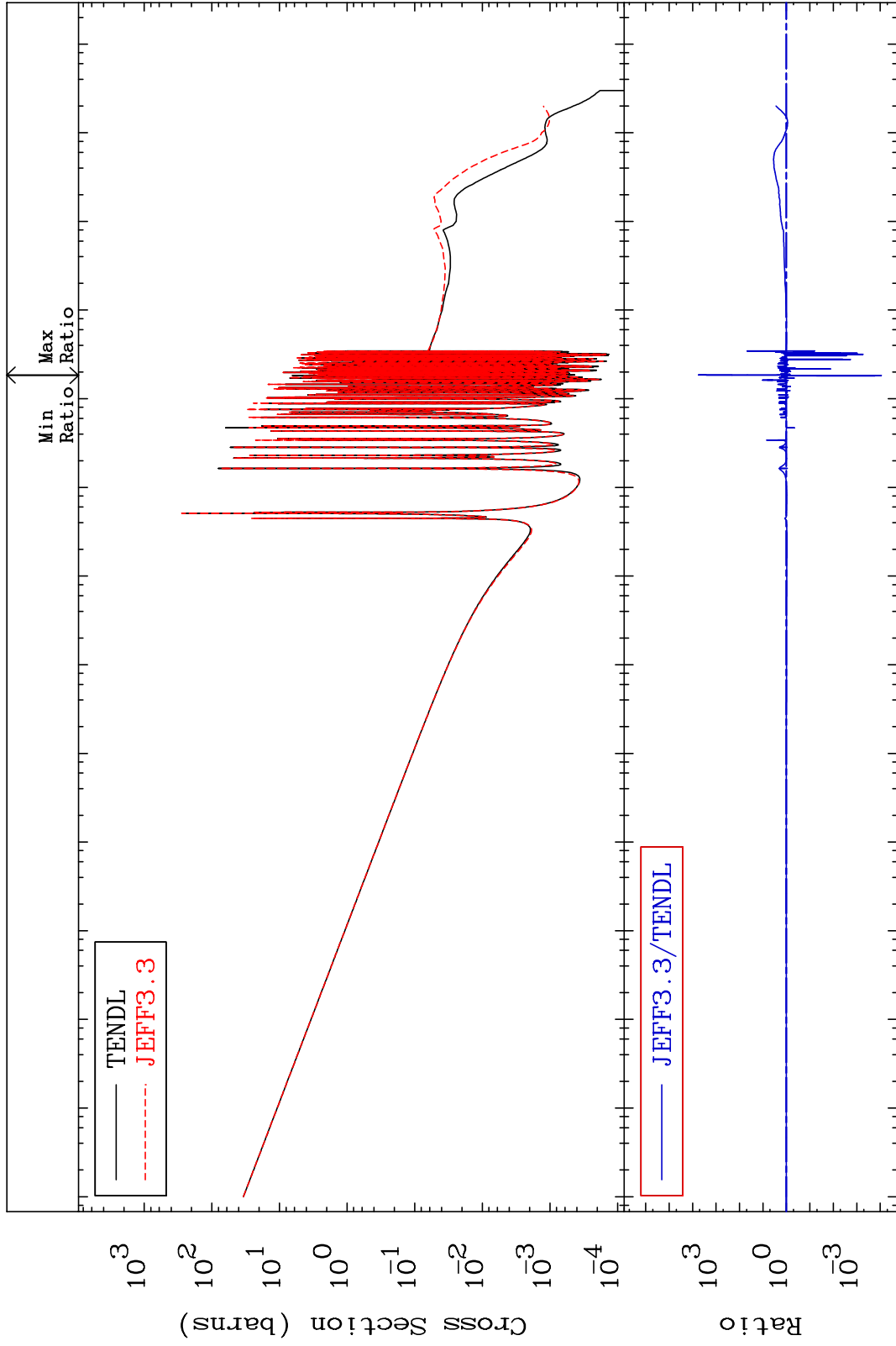
MAT 5643

(n, γ)

56-Ba-136

Cross Section

-99.99 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

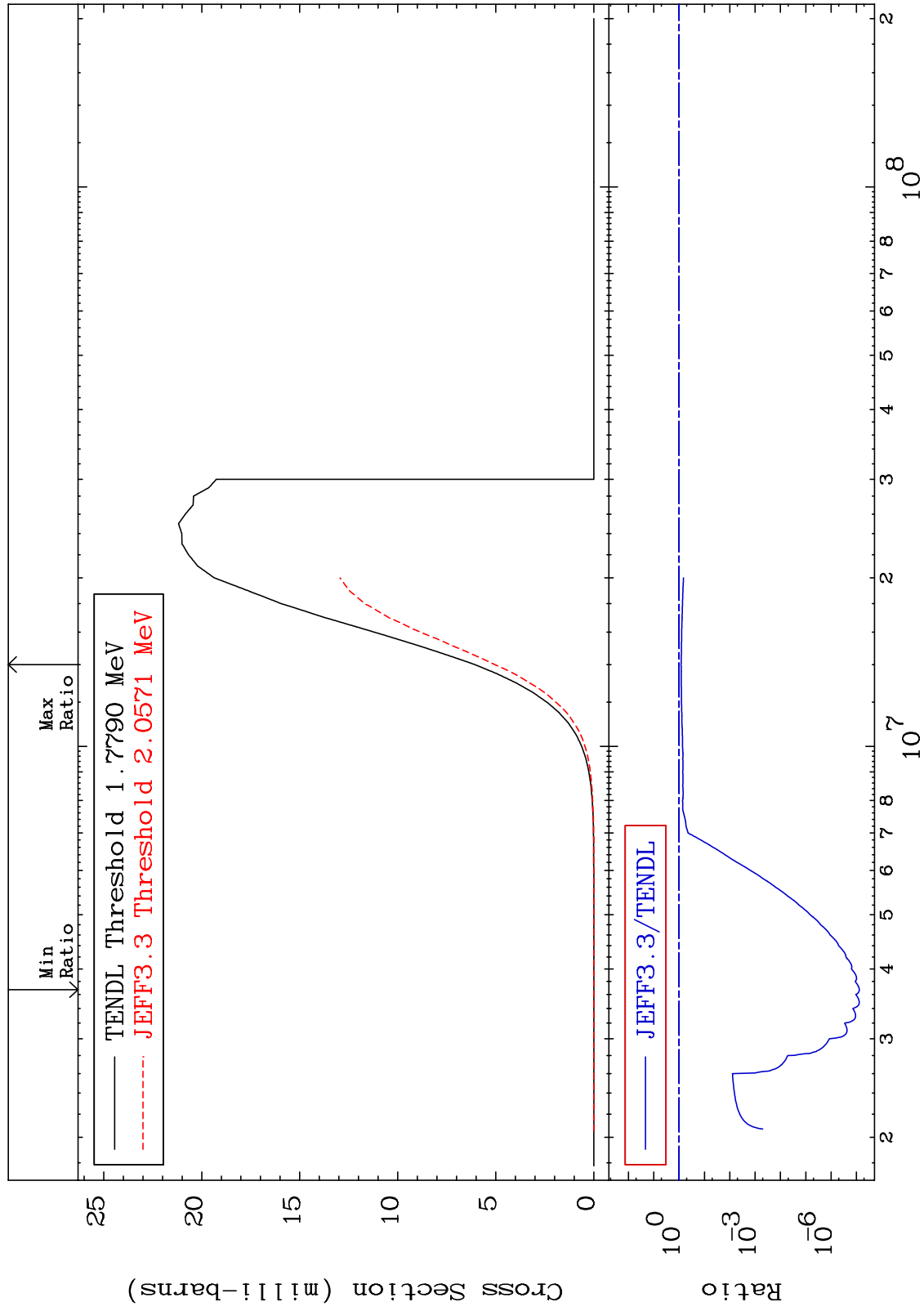
Incident Energy (eV)

19

56-Ba-136

MAT 5643

(n, p) Cross Section
56-Ba-136
-100.0 To -16.53%



20

Incident Energy (eV)

56-Ba-136

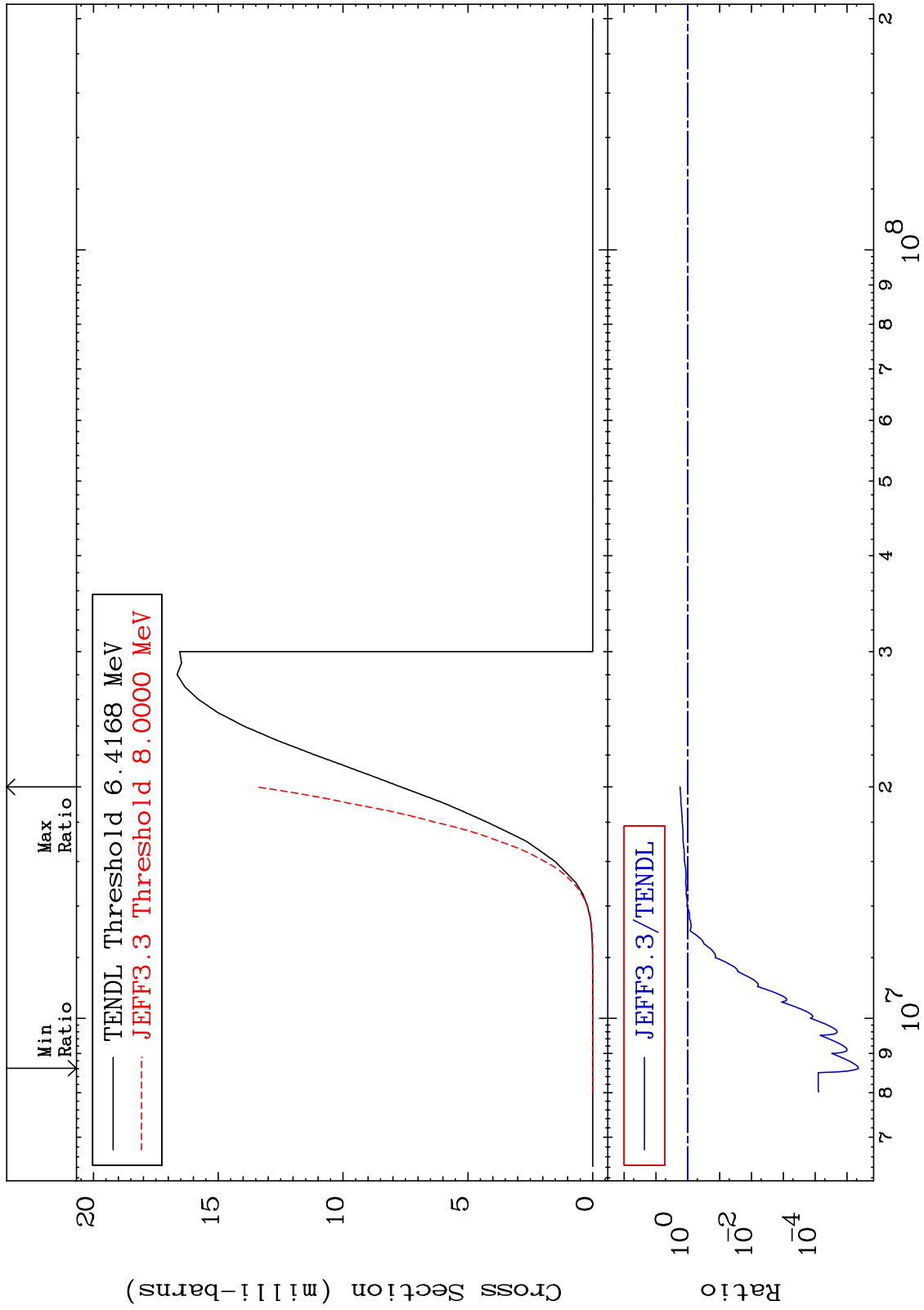
MAT 5643

(n, d)

56-Ba-136

Cross Section

-100.0 To 75.14 %



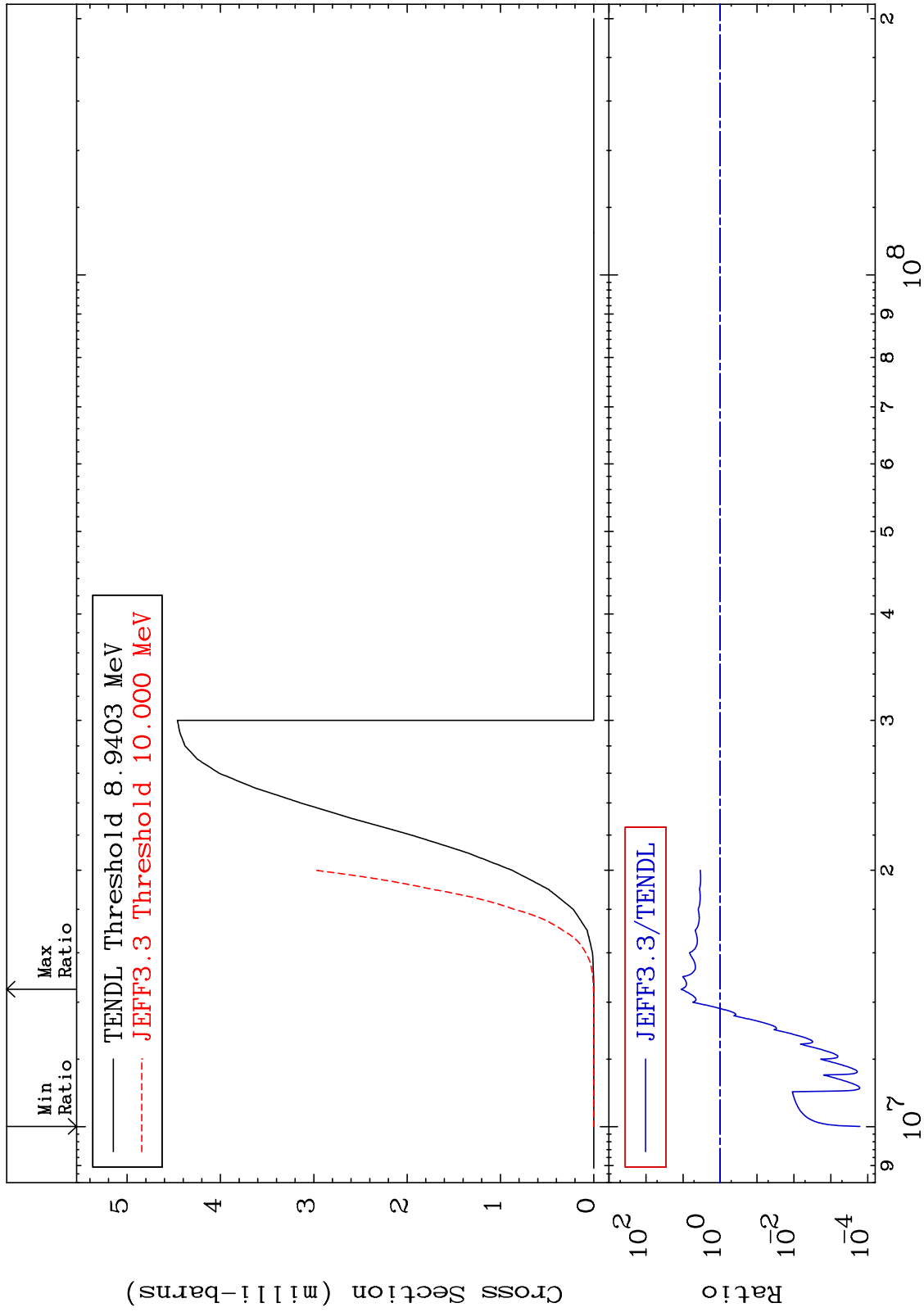
MAT 5643

(n, t)

56-Ba-136

Cross Section

-99.98 To 1019. %



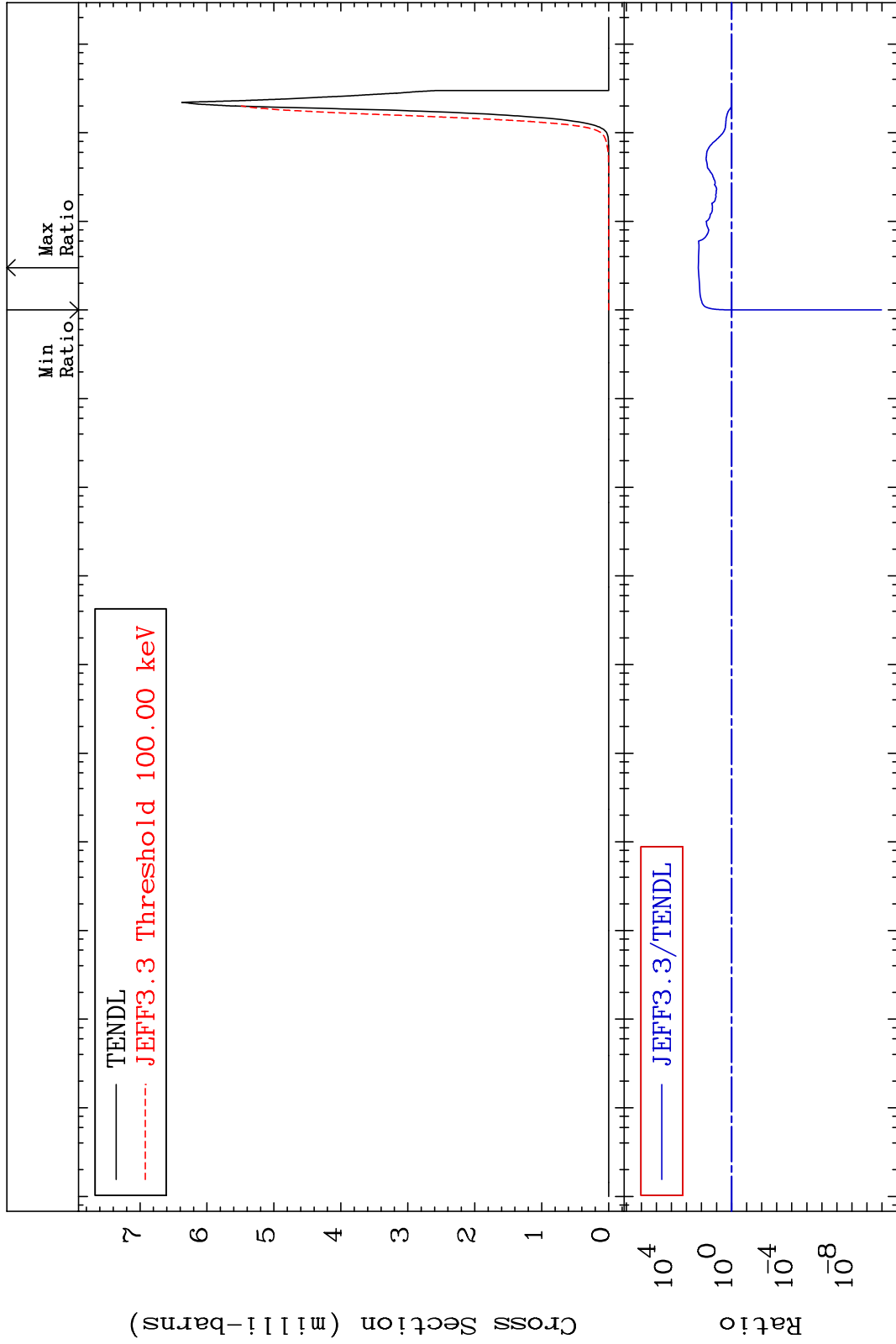
MAT 5643

(n, α)

56-Ba-136

Cross Section

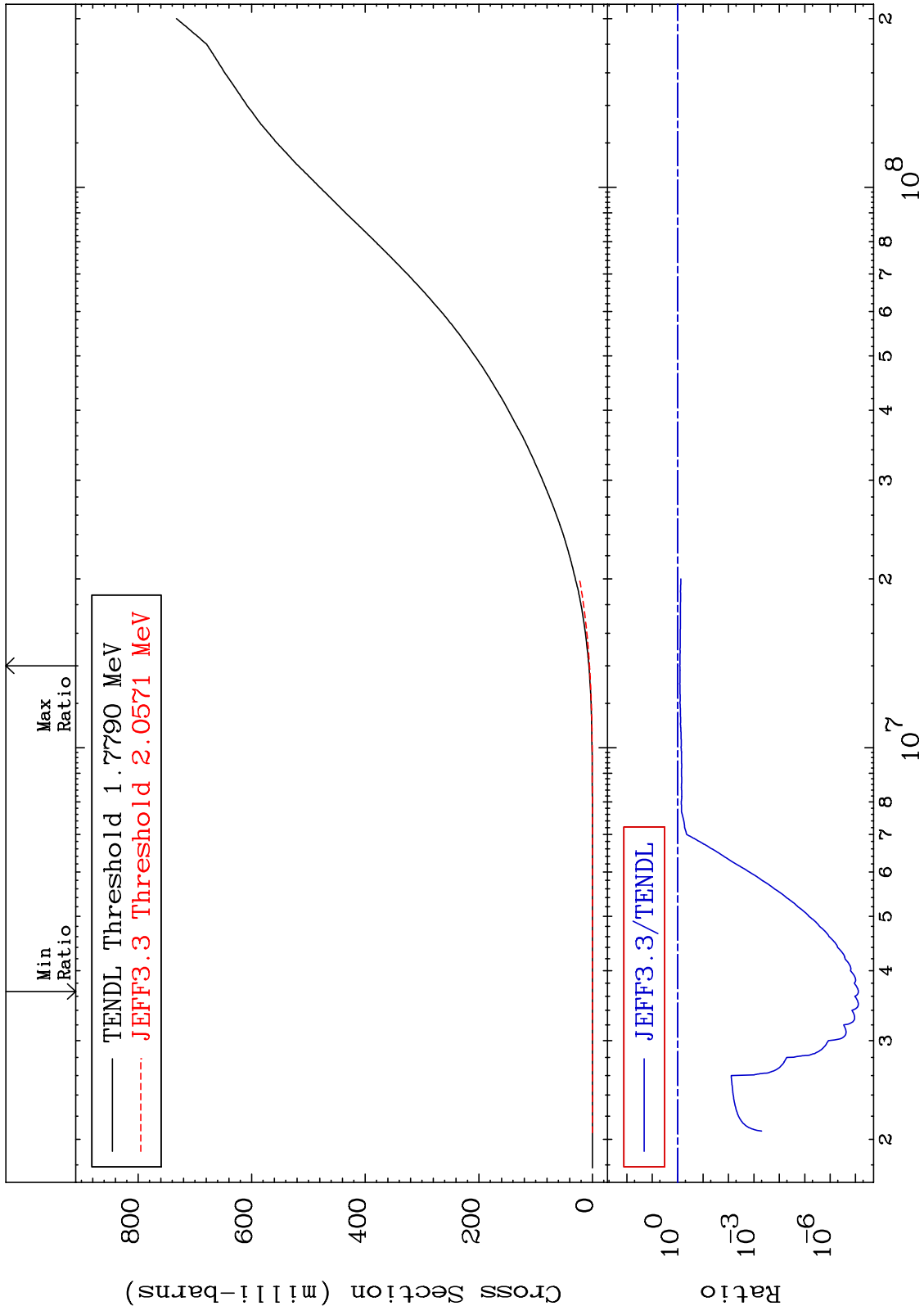
-100.0 To 9999. %



MAT 5643

Hydrogen Production
Cross Section

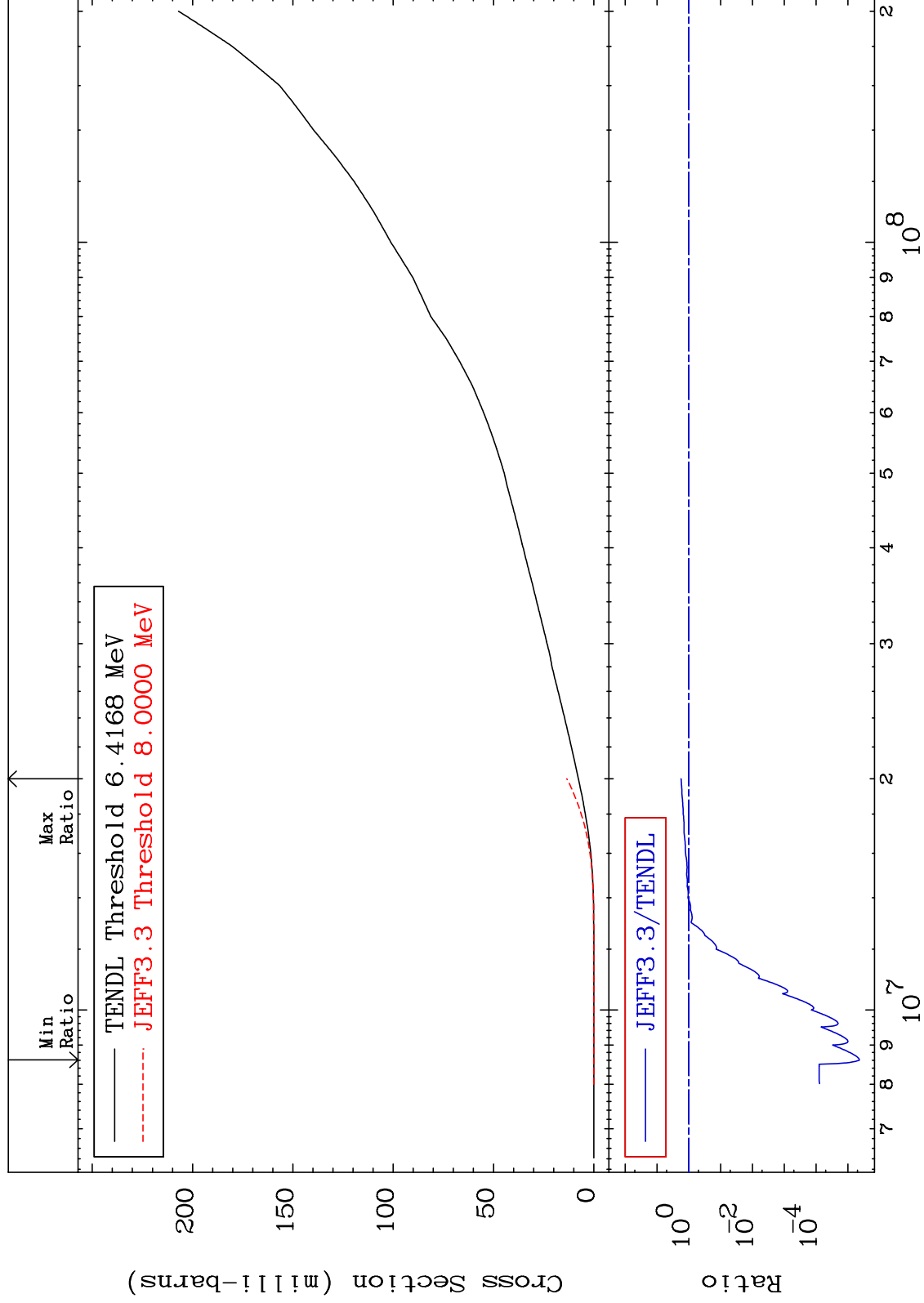
56-Ba-136
-100.0 To -17.40%



MAT 5643

Deuterium Production
Cross Section

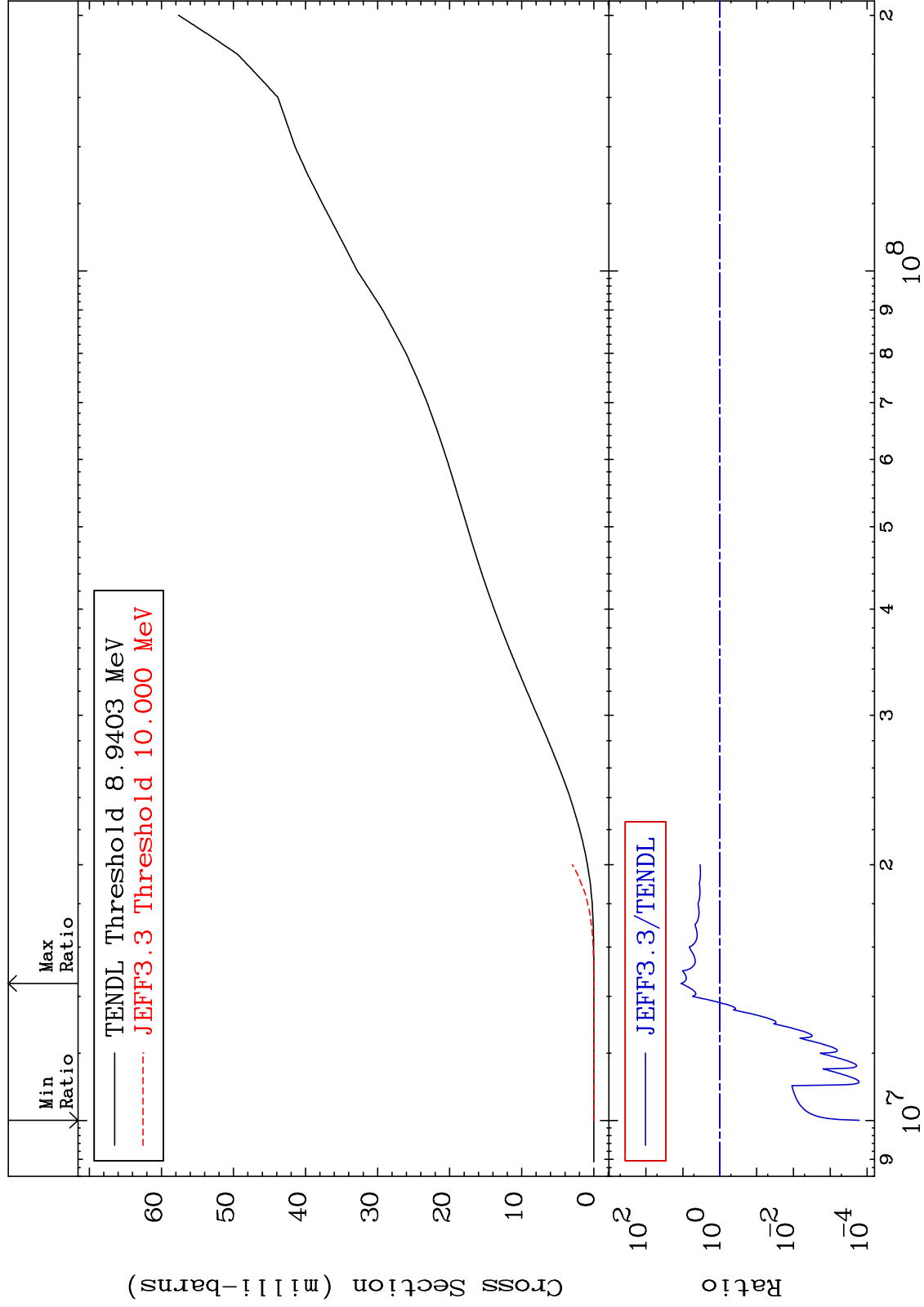
56-Ba-136
-100.0 To 75.12 %



MAT 5643

Tritium Production
Cross Section

56-Ba-136
-99.98 To 1019. %



26

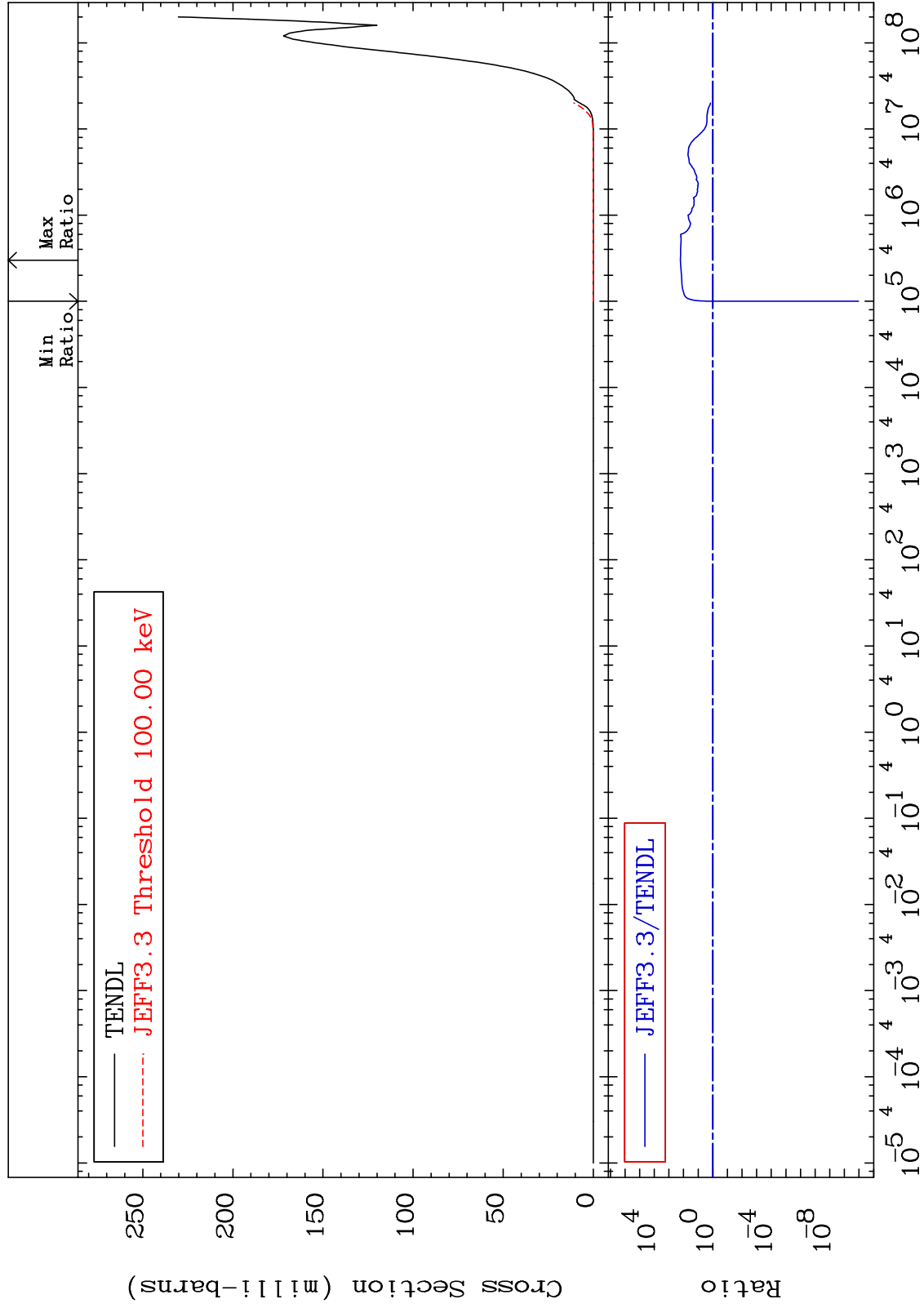
Incident Energy (eV)

56-Ba-136

MAT 5643

He-4 Production
Cross Section

56-Ba-136
-100.0 To 9999. %



27

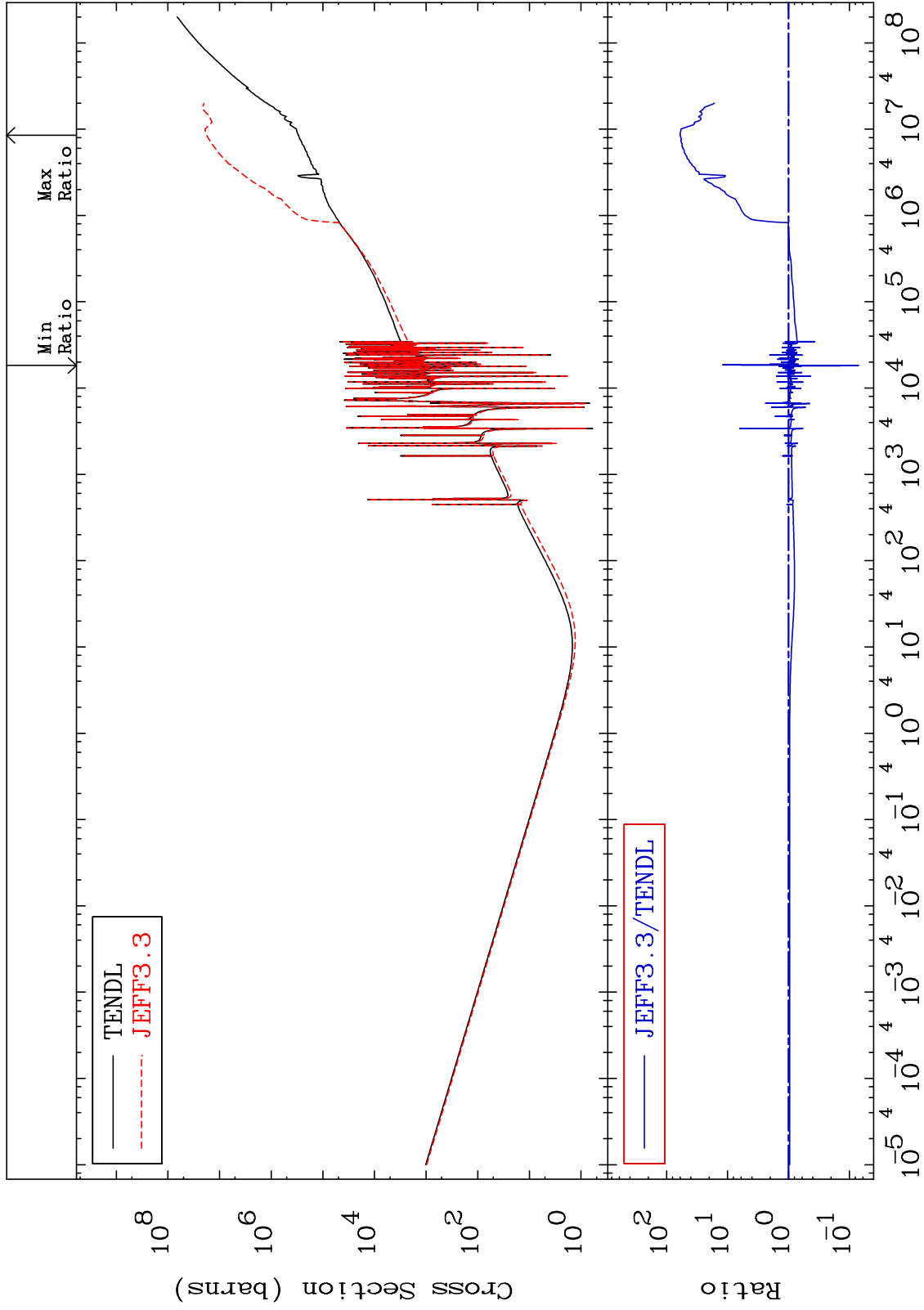
Incident Energy (eV)

56-Ba-136

MAT 5643

Kerma total (eV-barns)
Cross Section

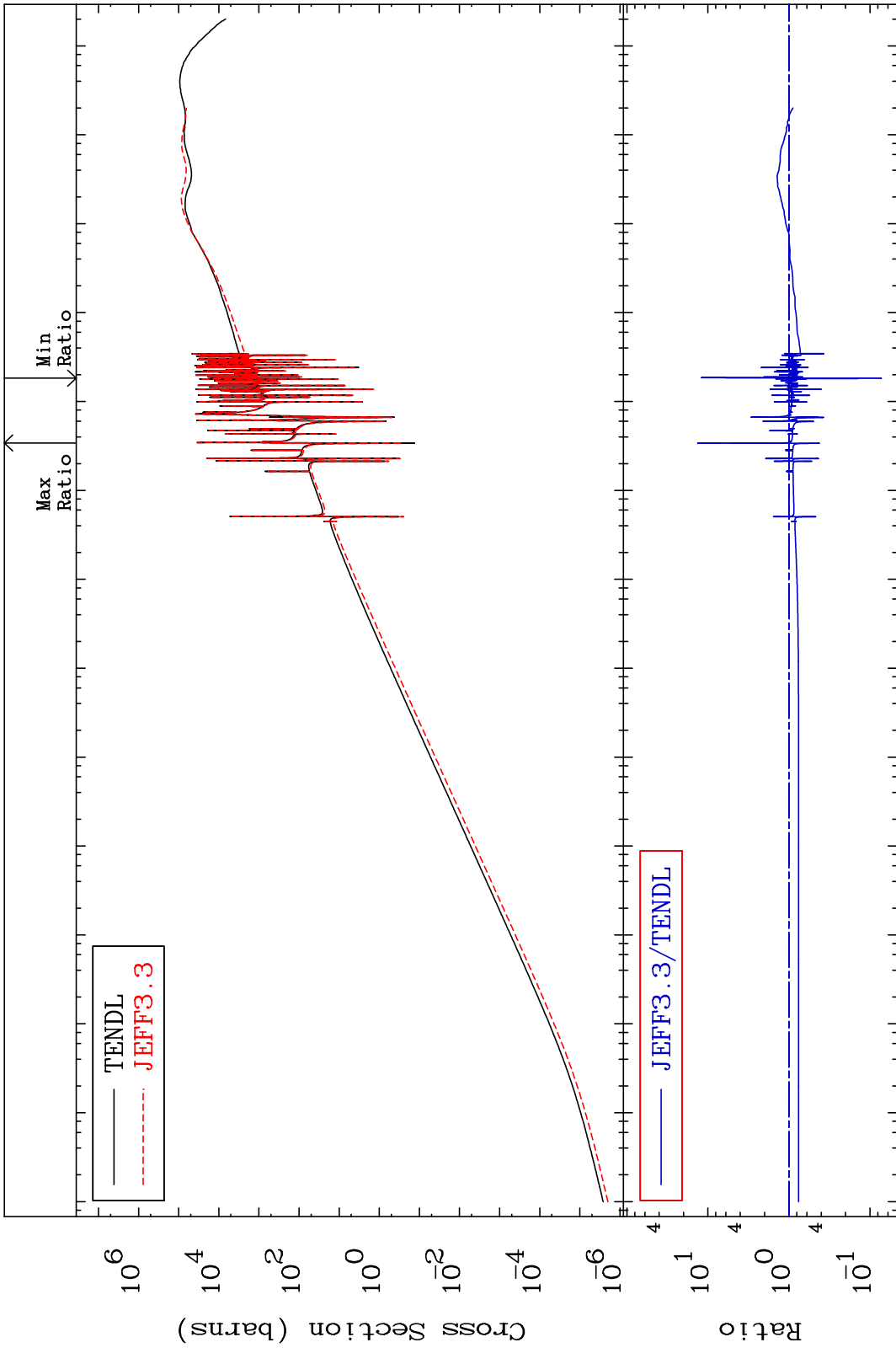
56-Ba-136
-92.88 To 5936. %



MAT 5643

Kerma elastic
Cross Section

56-Ba-136
-92.79 To 1234. %



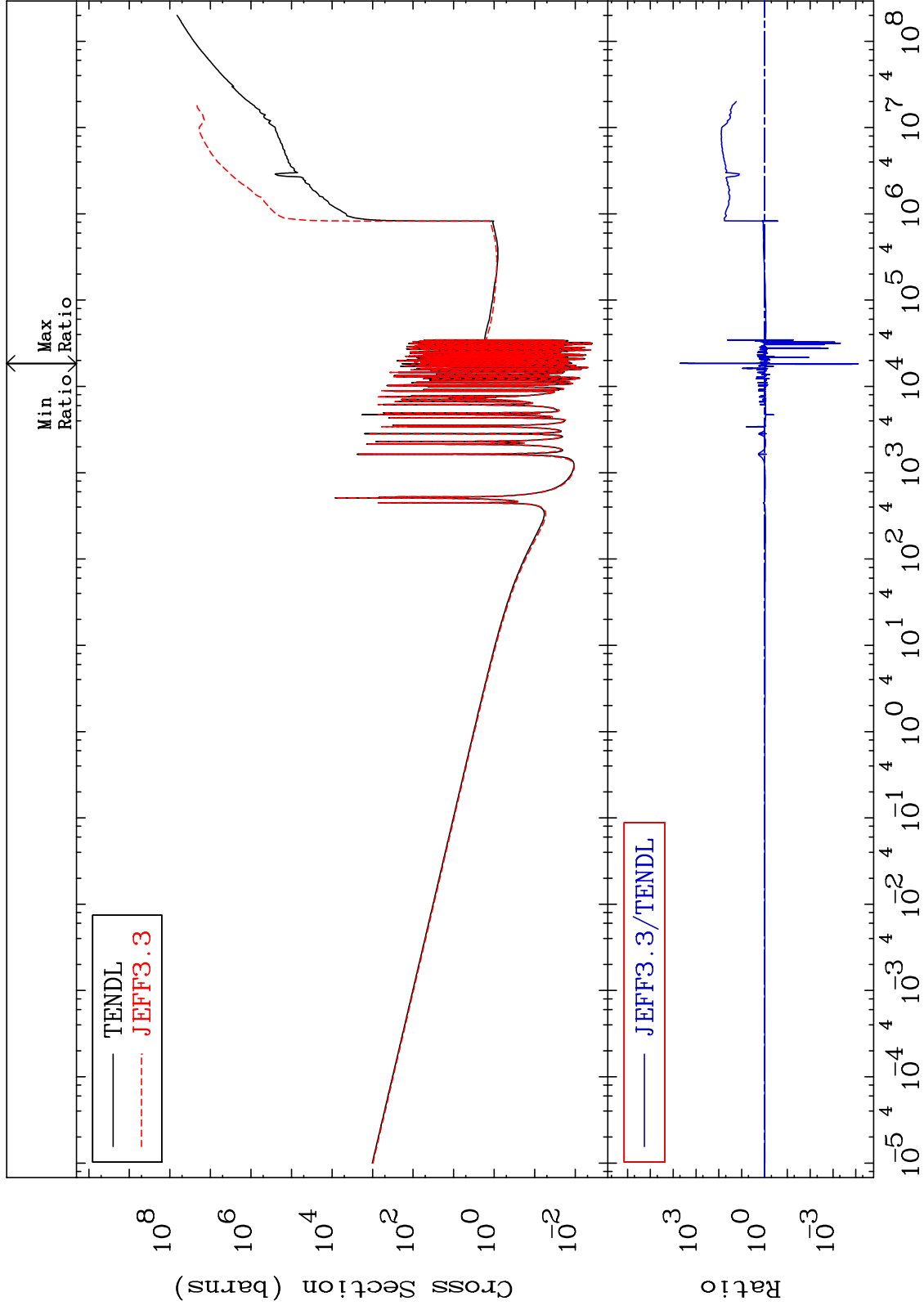
— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

MAT 5643

Kerma non-elastic (all but mt2)
Cross Section

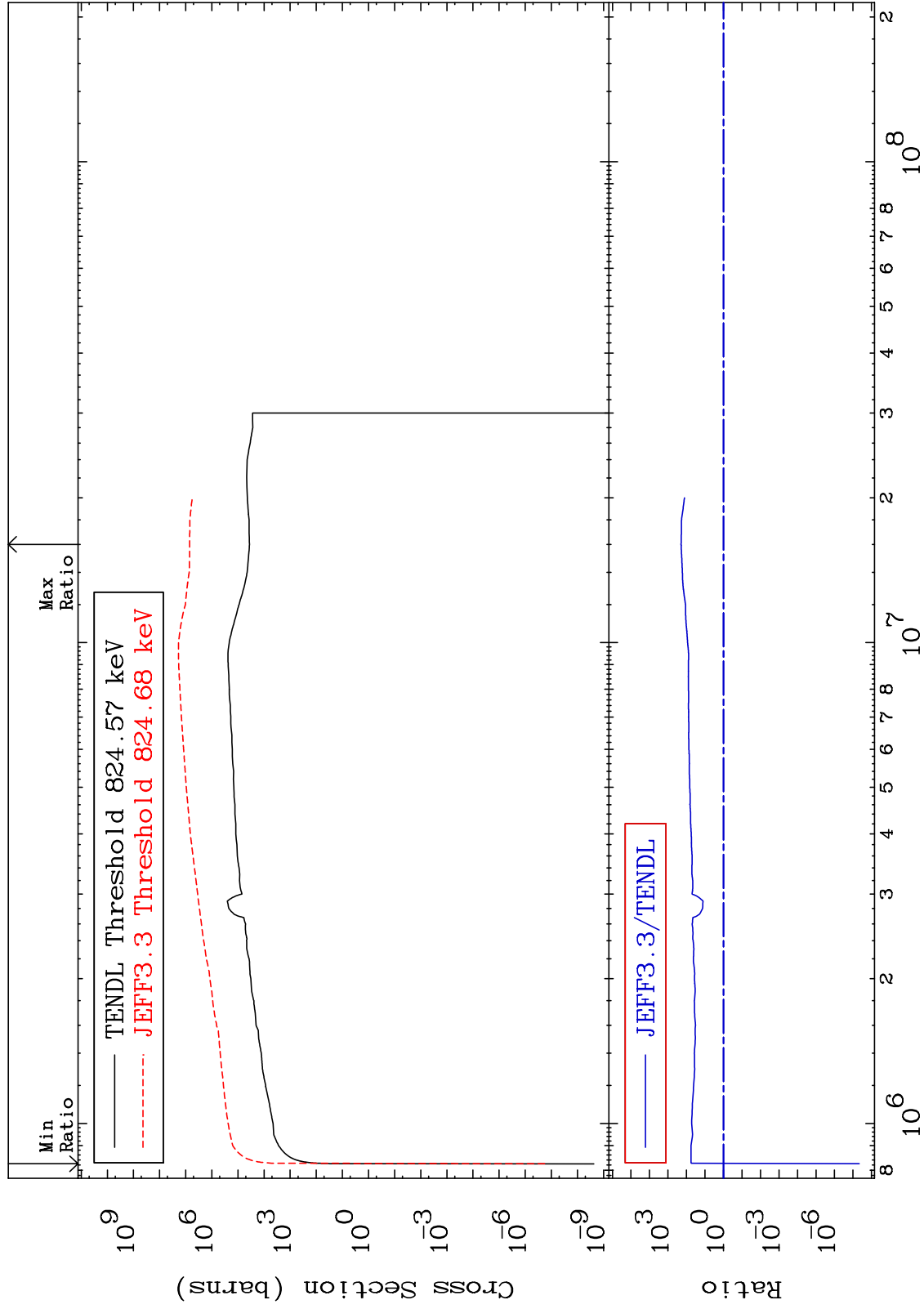
56-Ba-136
-99.99 To 9999. %



MAT 5643

Kerma inelastic (mt51-91)
Cross Section

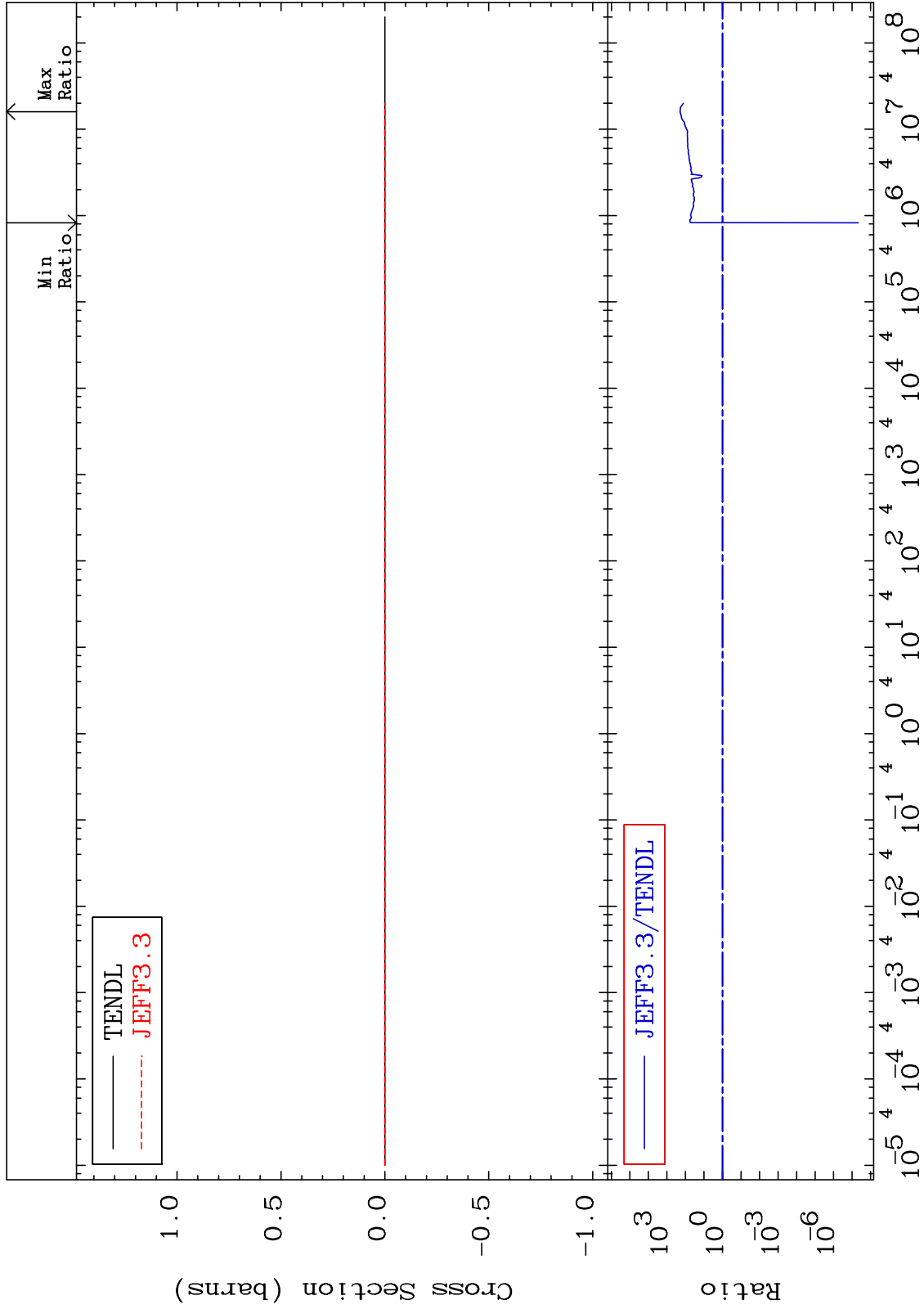
56-Ba-136
-100.0 To 9999. %



MAT 5643

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

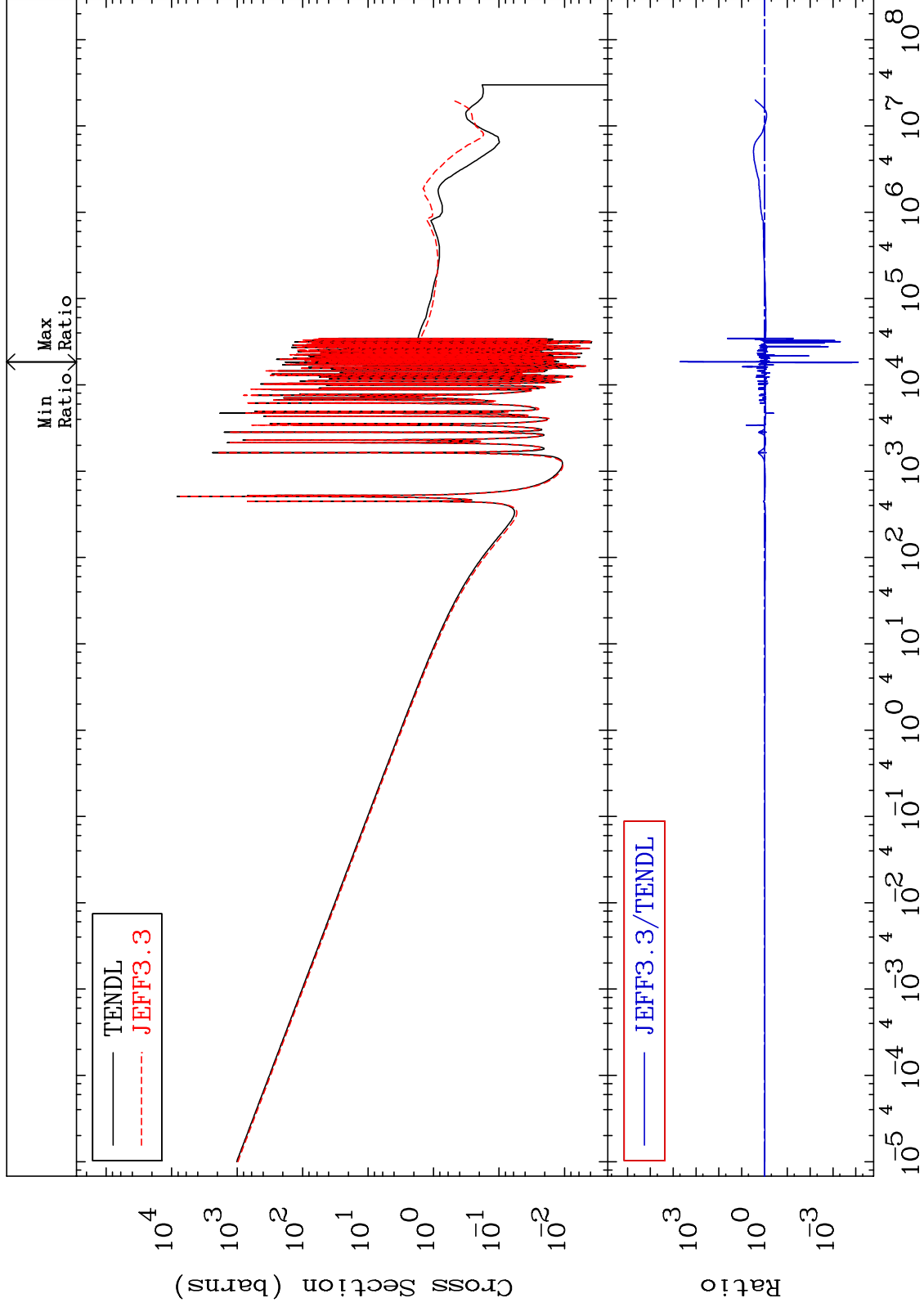
56-Ba-136
-100.0 To 9999. %



MAT 5643

Kerma capture (mt102)
Cross Section

56-Ba-136
-99.99 To 9999. %



33

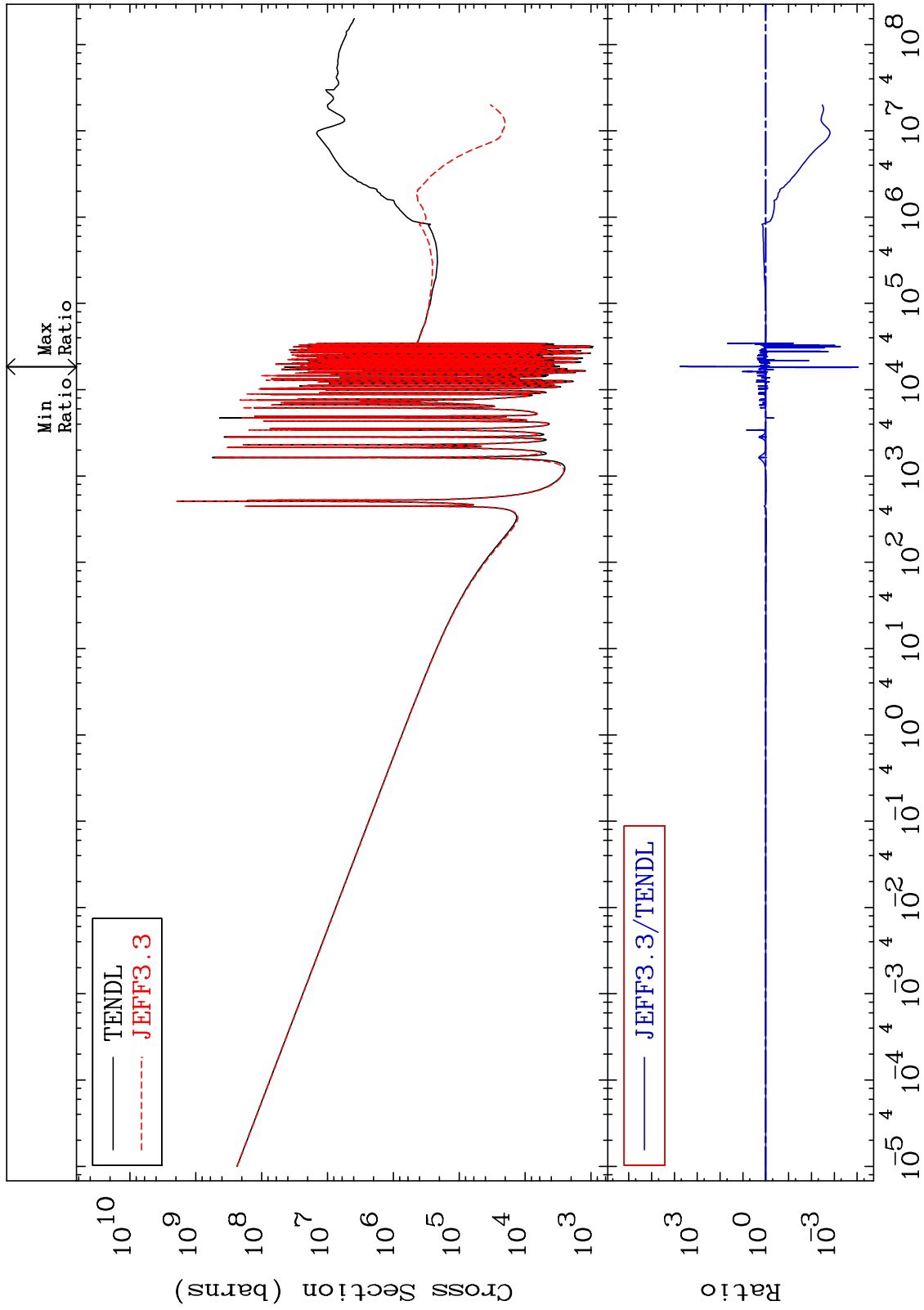
Incident Energy (eV)

56-Ba-136

MAT 5643

Total photon (eV-barns)
Cross Section

56-Ba-136
-99.99 To 9999. %



34

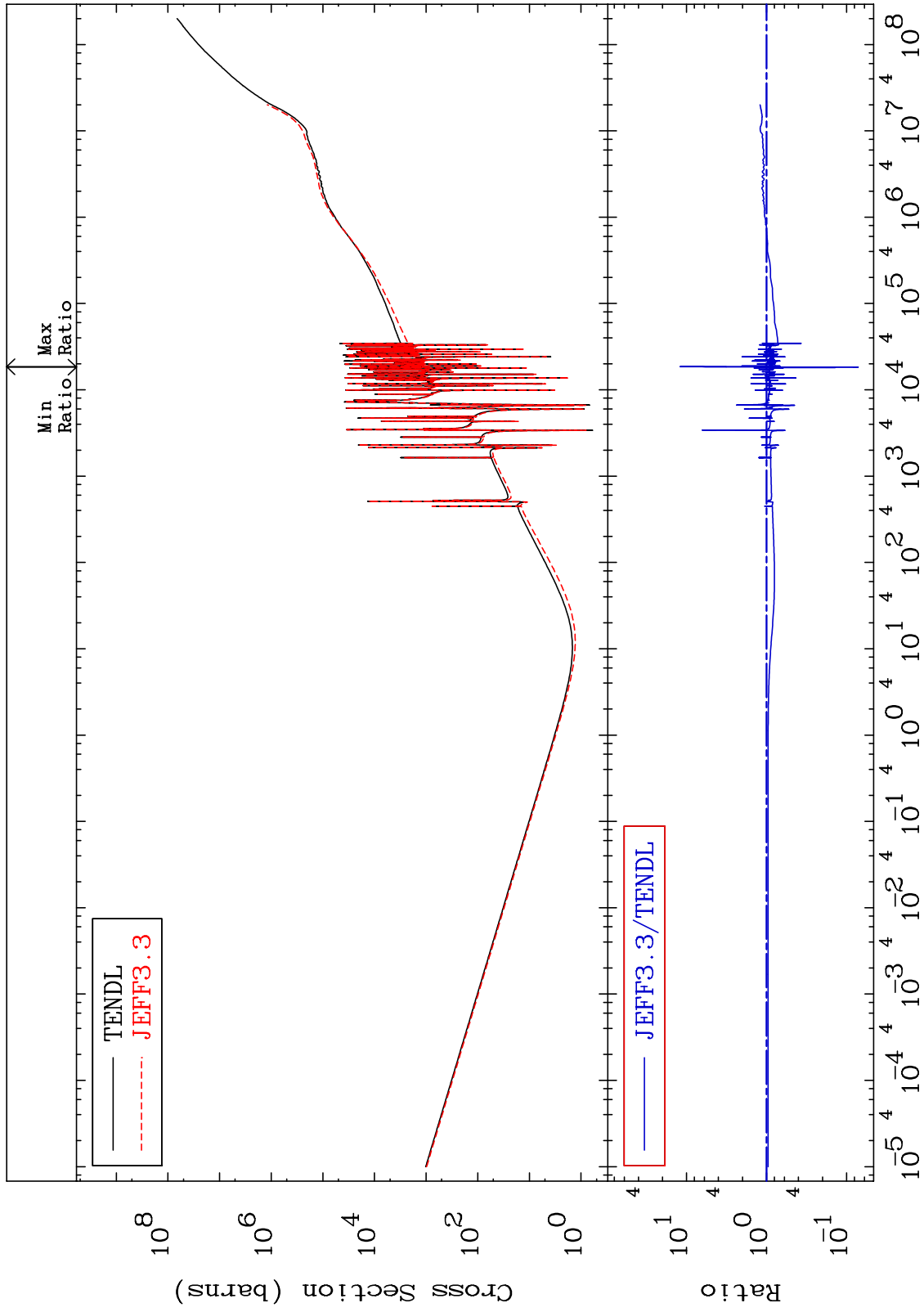
Incident Energy (eV)

56-Ba-136

MAT 5643

Total kinematic kerma (high limit)
Cross Section

56-Ba-136
-92.88 To 1108. %



35

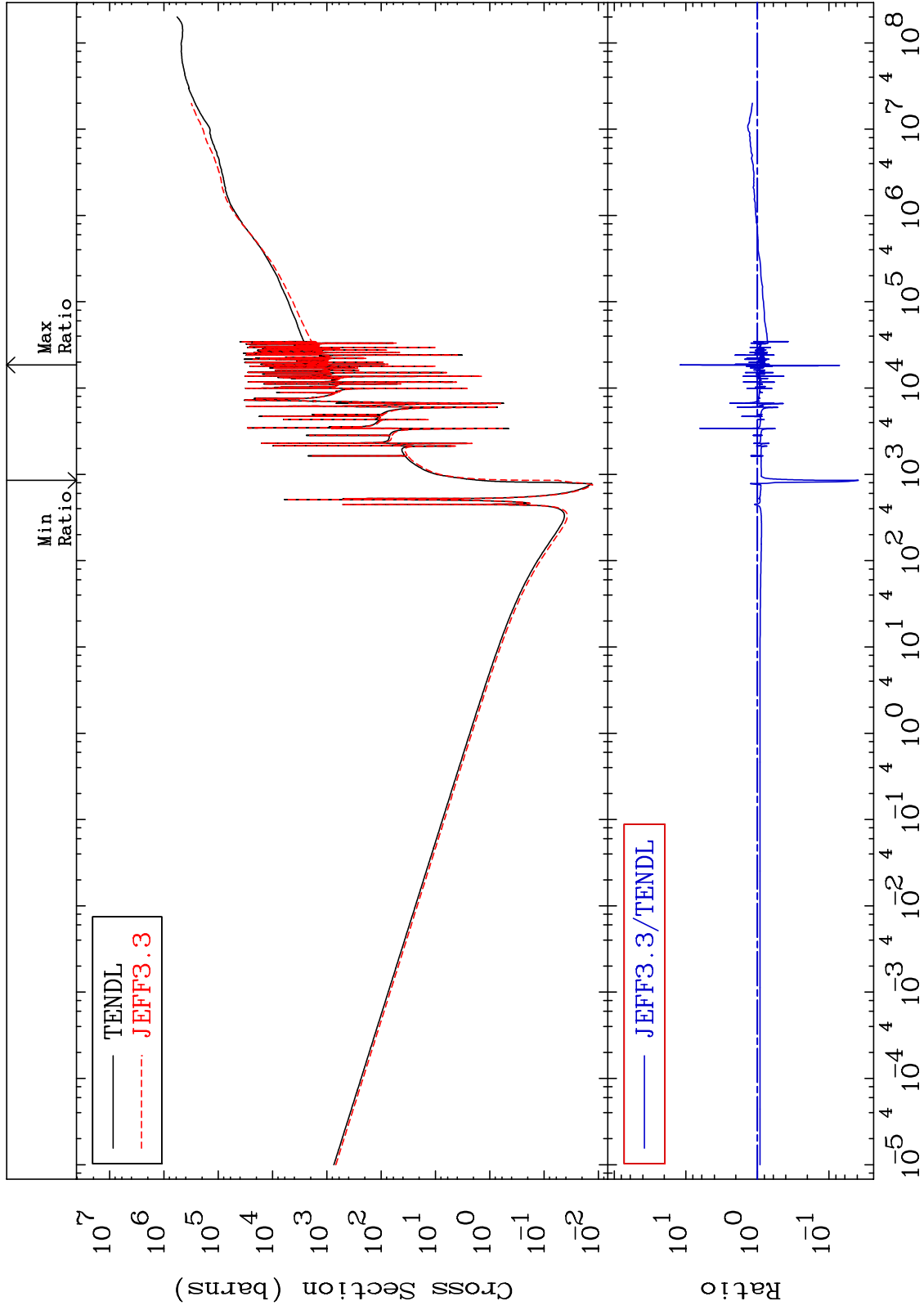
Incident Energy (eV)

56-Ba-136

MAT 5643

Dpa total (eV-barns)
Cross Section

56-Ba-136
-96.14 To 1107. %



36

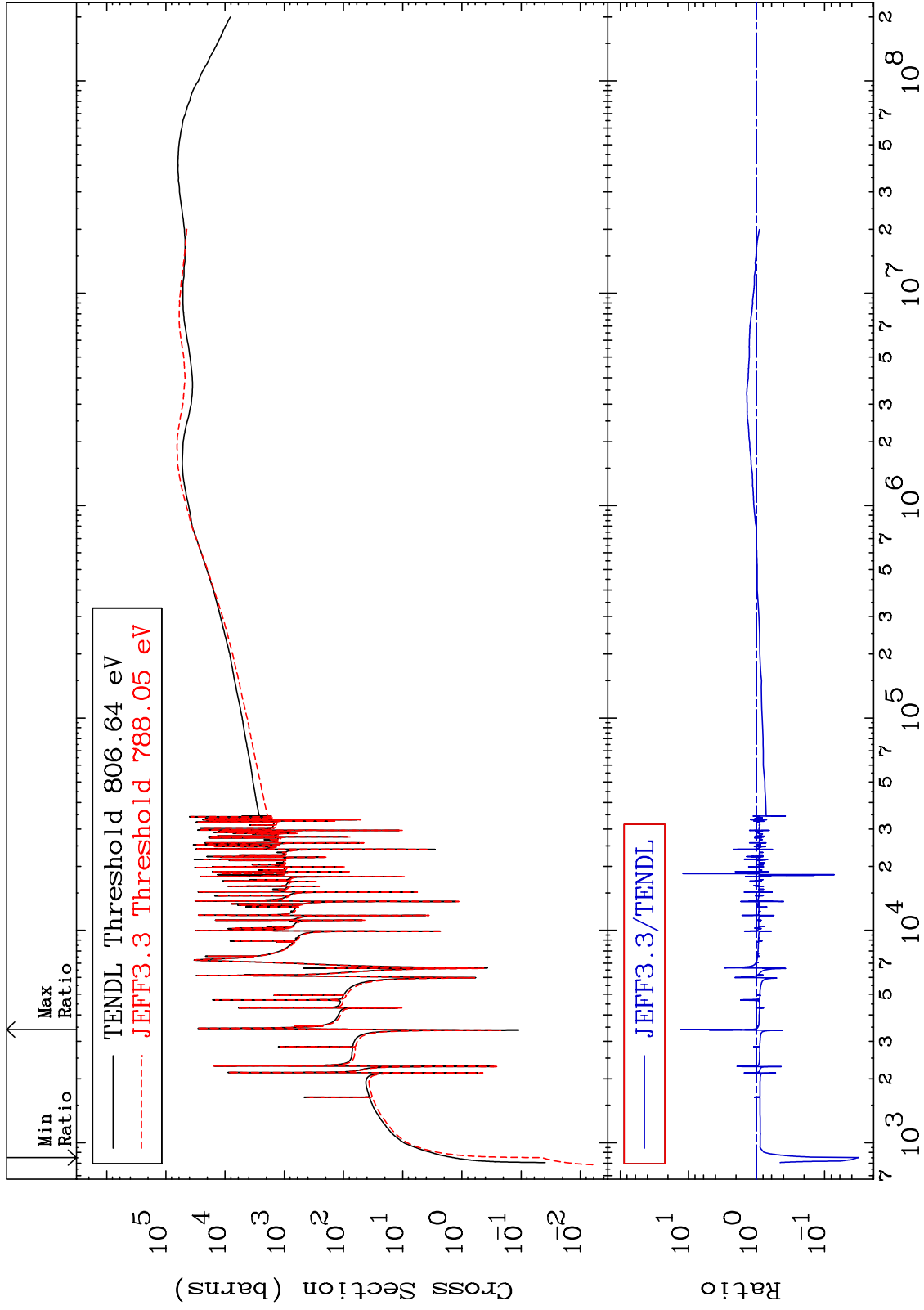
Incident Energy (eV)

56-Ba-136

MAT 5643

Dpa elastic (mt2)
Cross Section

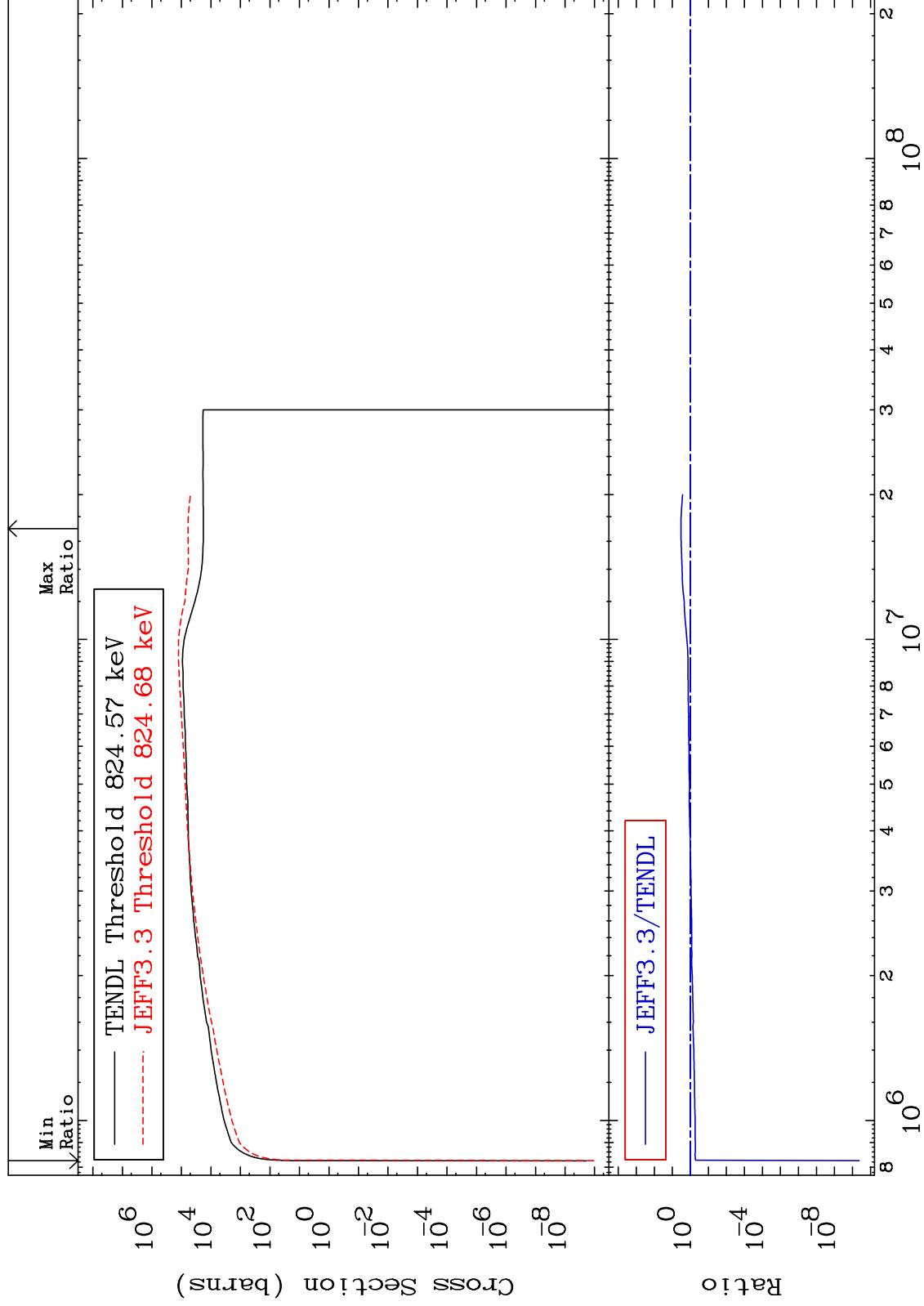
56-Ba-136
-96.81 To 1229. %



MAT 5643

Dpa inelastic (mt51-91)
Cross Section

56-Ba-136
-100.0 To 227.1 %



38

Incident Energy (eV)

56-Ba-136

MAT 5643

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-136
-99.99 To 9999. %

