

Program Complot
(Version 2018-1)

by

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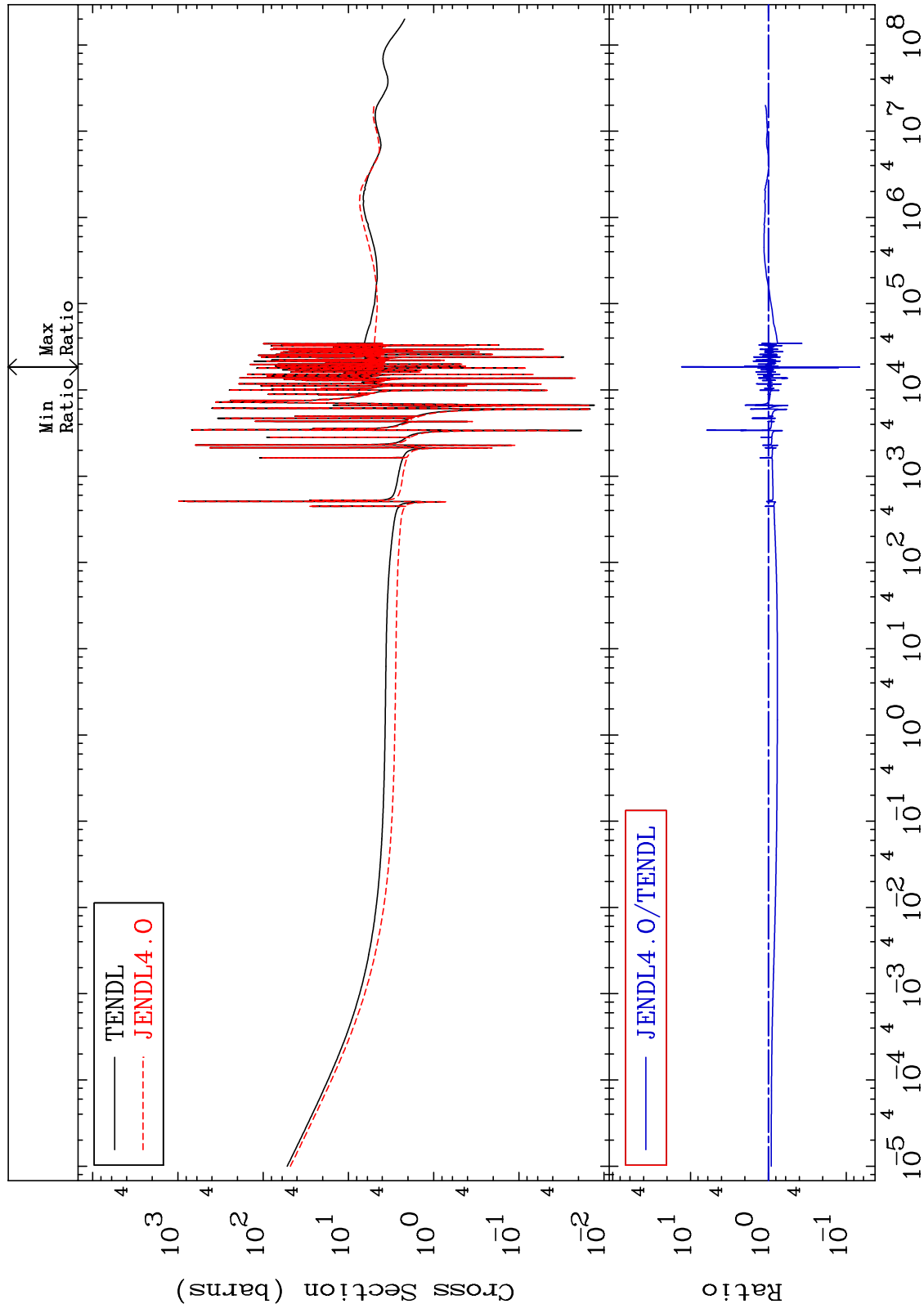
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5643

Total
Cross Section

56-Ba-136
-93.31 To 1206. %



1

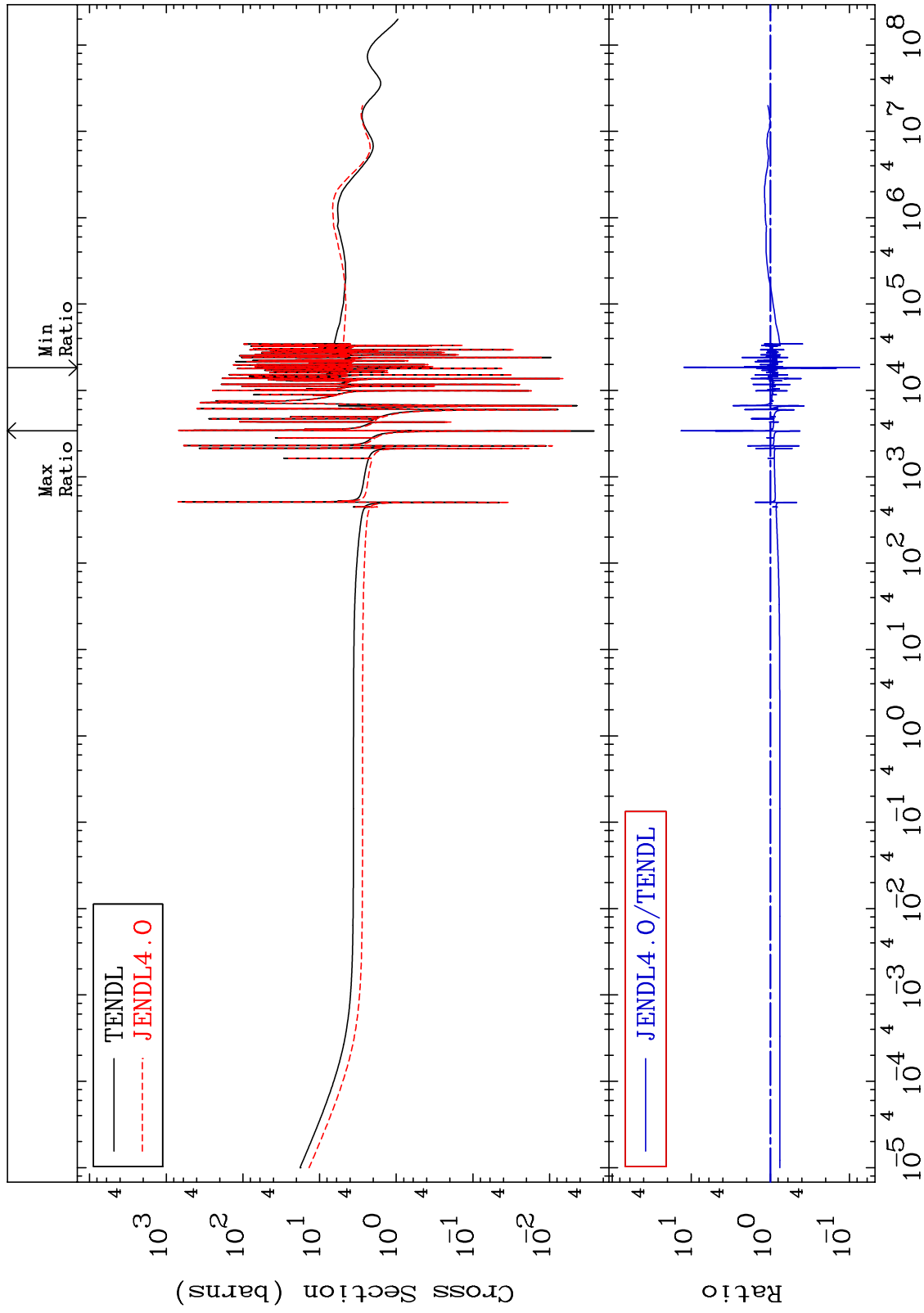
Incident Energy (eV)

56-Ba-136

MAT 5643

Elastic
Cross Section

56-Ba-136
-92.58 To 1241. %

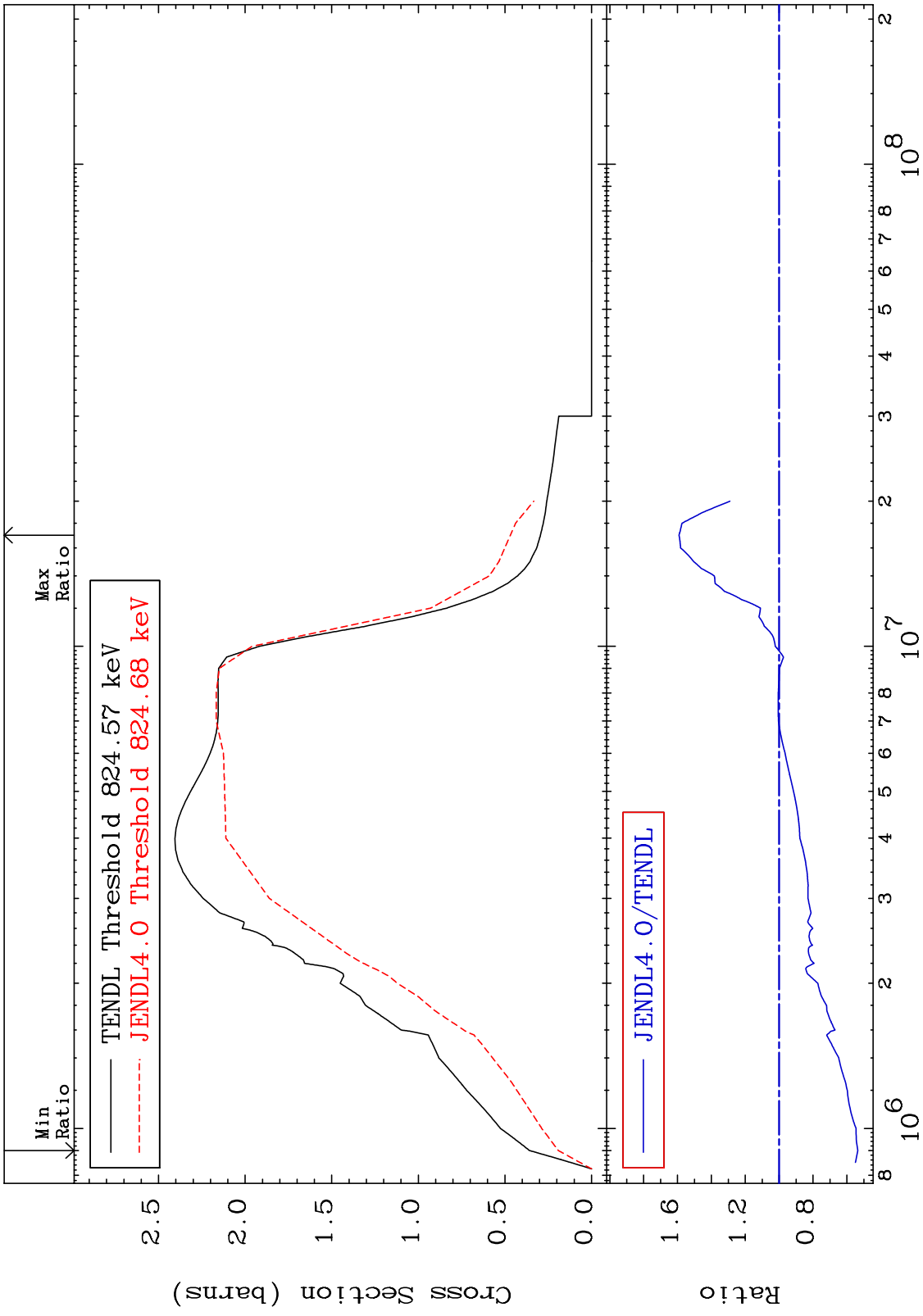


2

Incident Energy (eV)

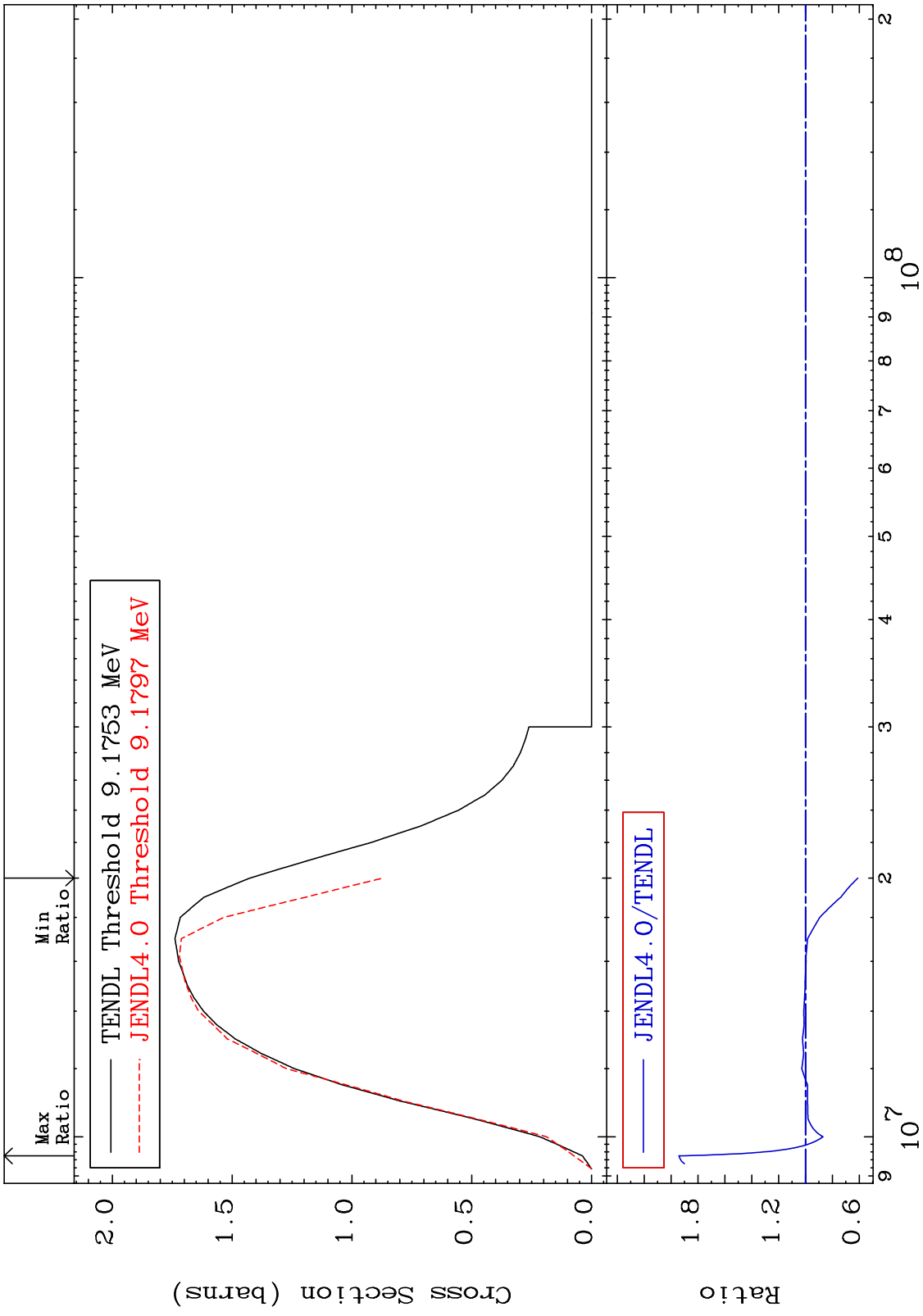
56-Ba-136

MAT 5643 Inelastic Cross Section 56-Ba-136 -46.46 To 59.11 %



3 Incident Energy (eV) 56-Ba-136

MAT 5643 (n,2n) Cross Section 56-Ba-136 -38.94 To 94.03 %



4 Incident Energy (eV) 56-Ba-136

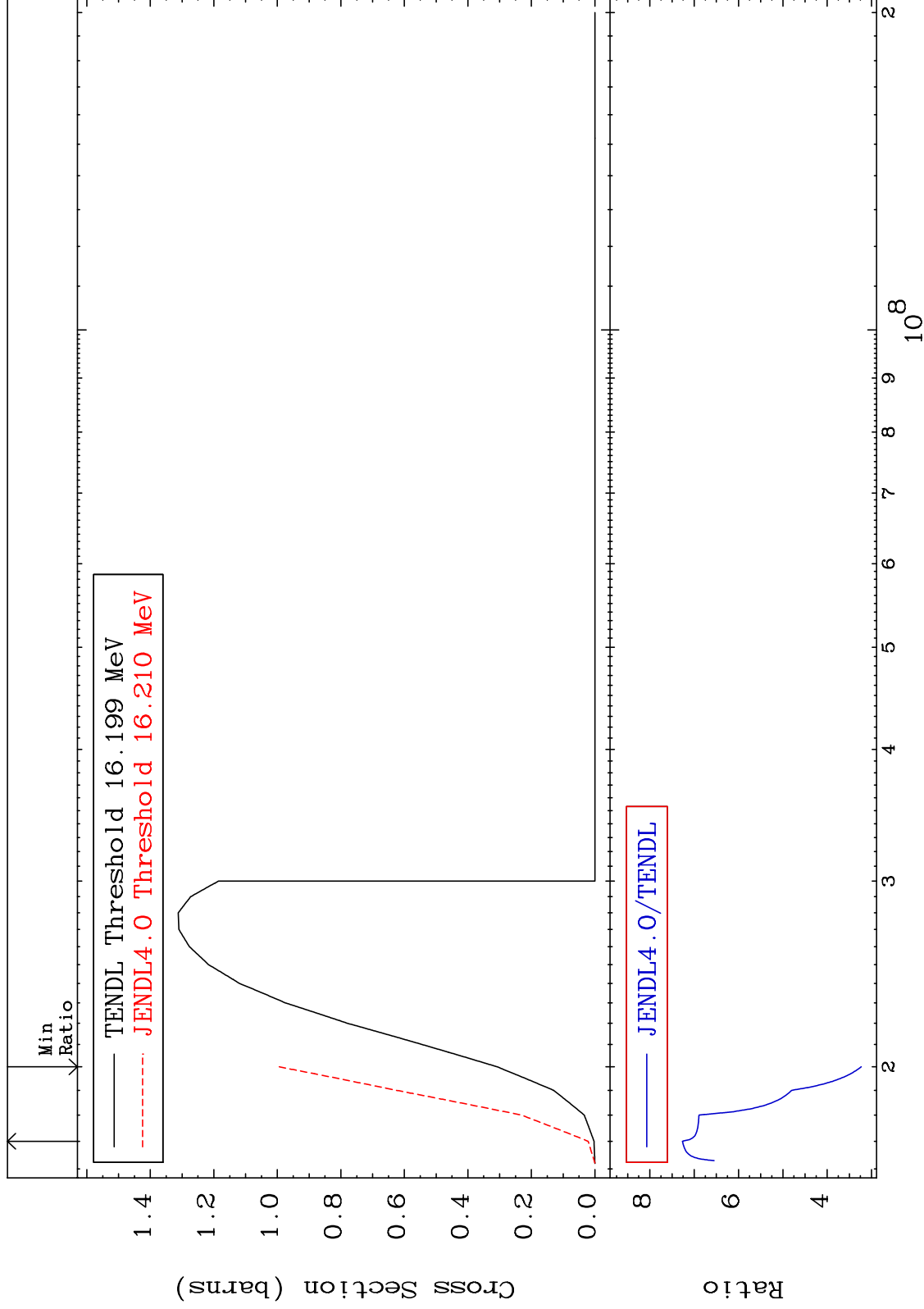
MAT 5643

(n,3n)

56-Ba-136

Cross Section

223.1 To 626.4 %



5

Incident Energy (eV)

56-Ba-136

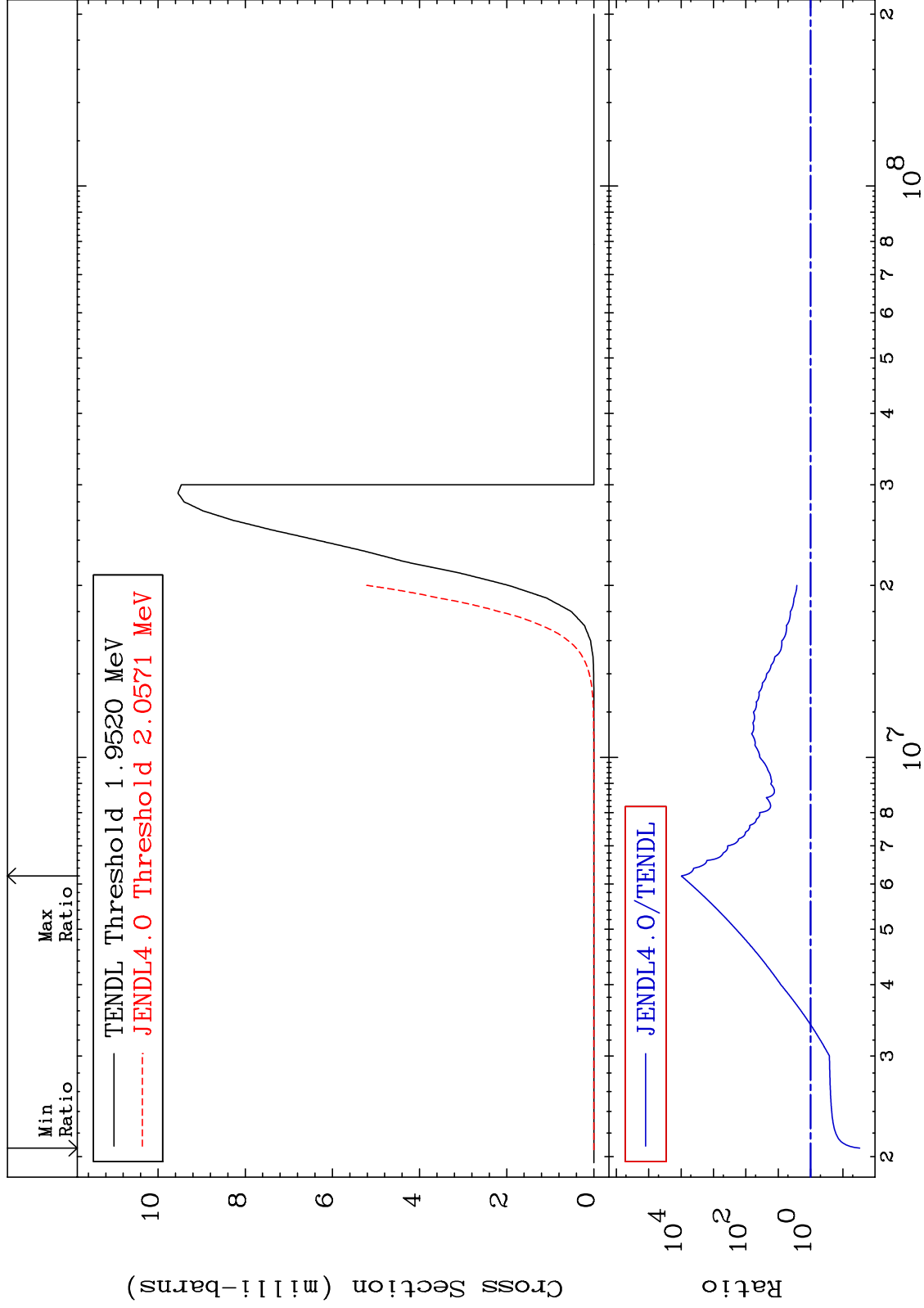
MAT 5643

(n,n') α

56-Ba-136

-96.96 To 9999. %

Cross Section



6

Incident Energy (eV)

56-Ba-136

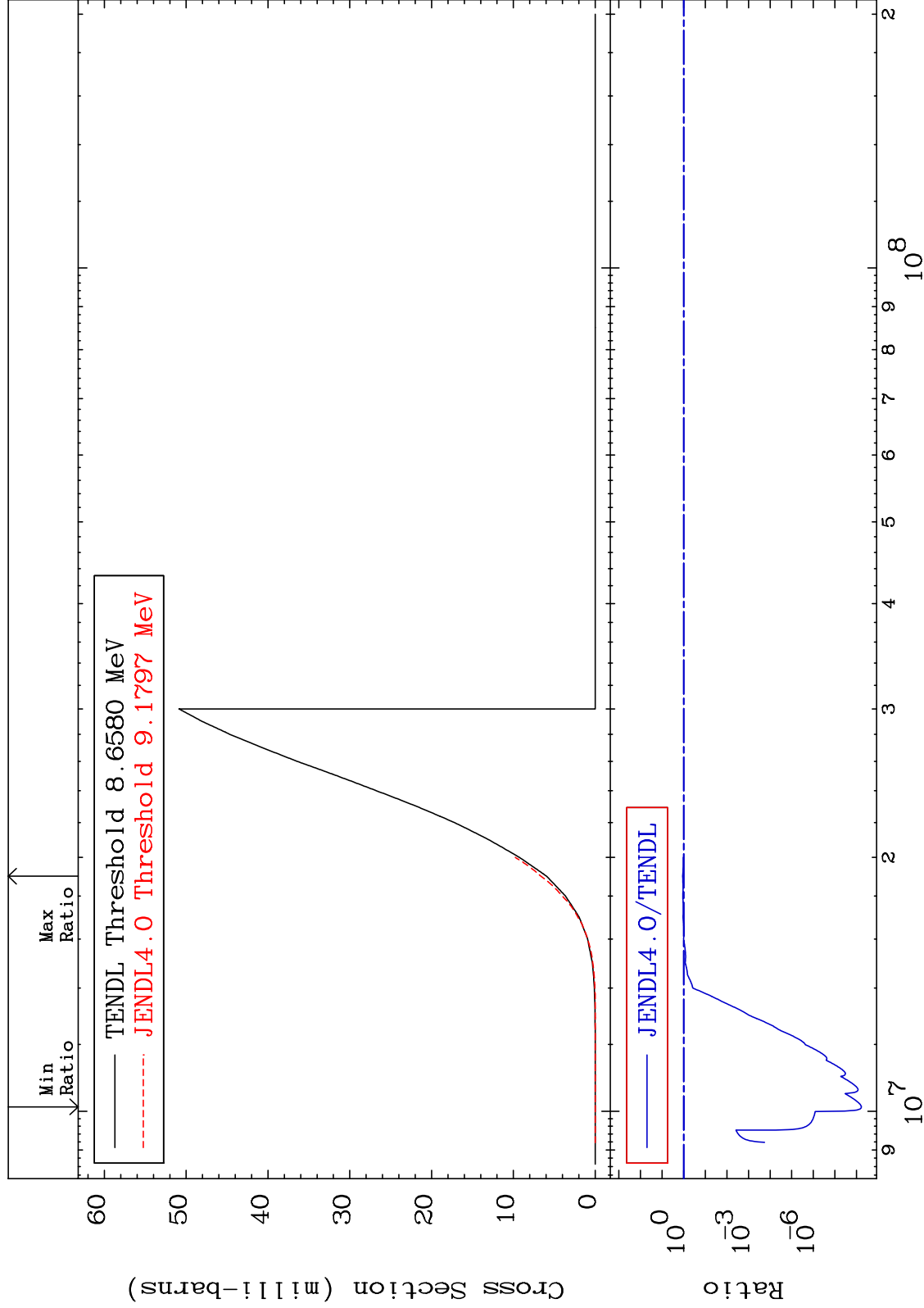
MAT 5643

(n,n') p

56-Ba-136

Cross Section

-100.0 To 11.52 %

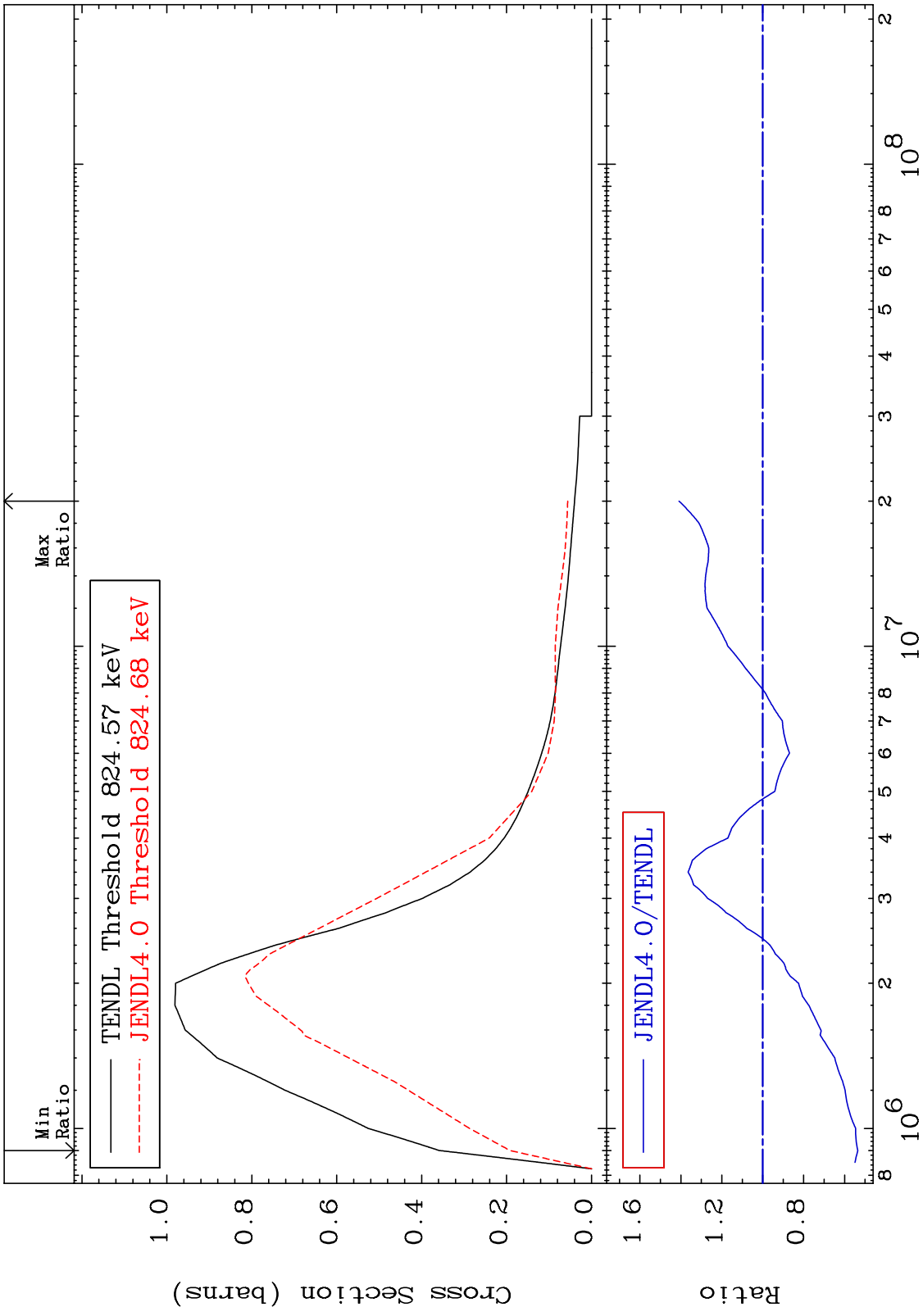


7

Incident Energy (eV)

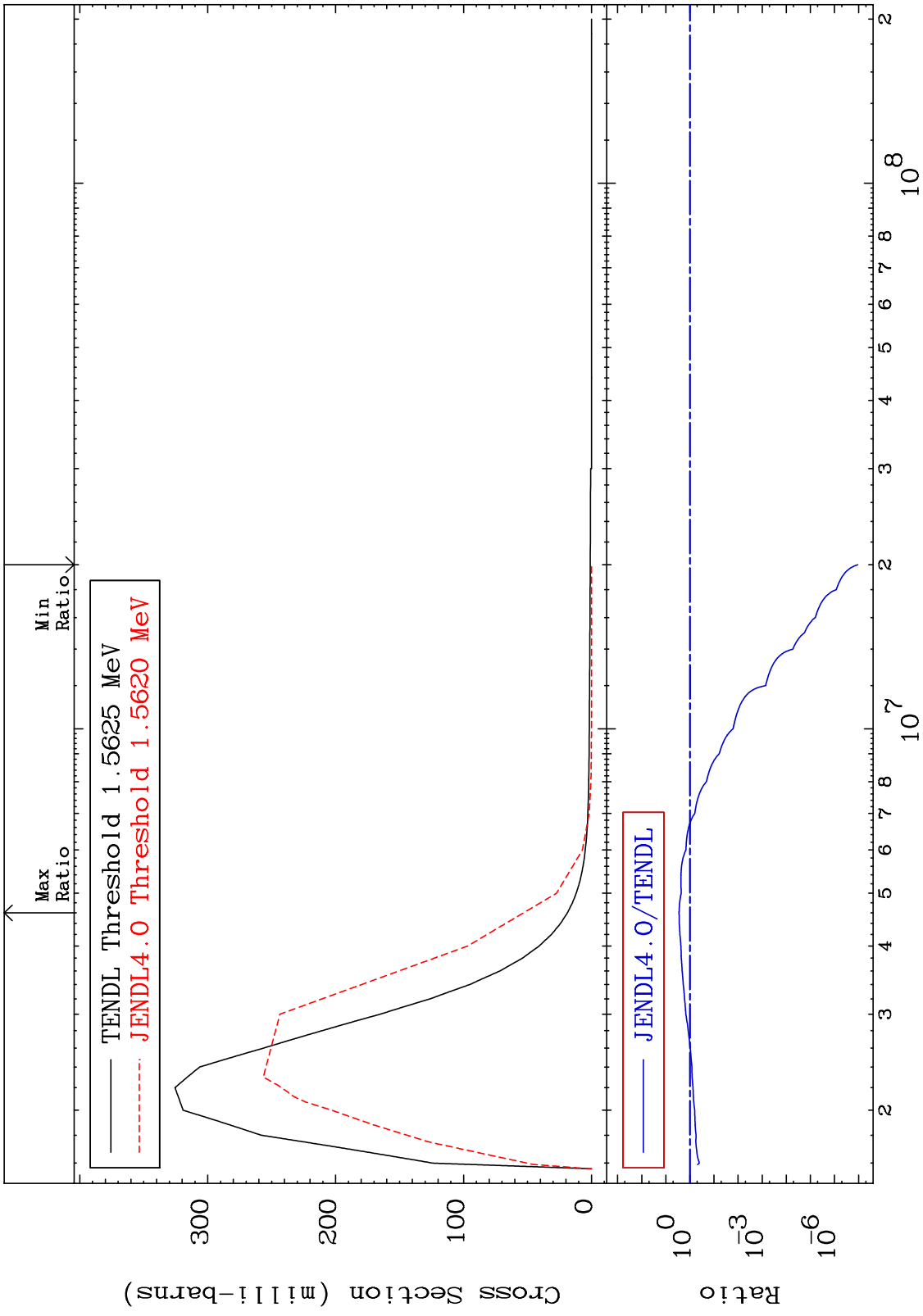
56-Ba-136

MAT 5643 MT= 51 (n,n') Level Cross Section 56-Ba-136 -46.46 To 40.89 %



8 Incident Energy (eV) 56-Ba-136

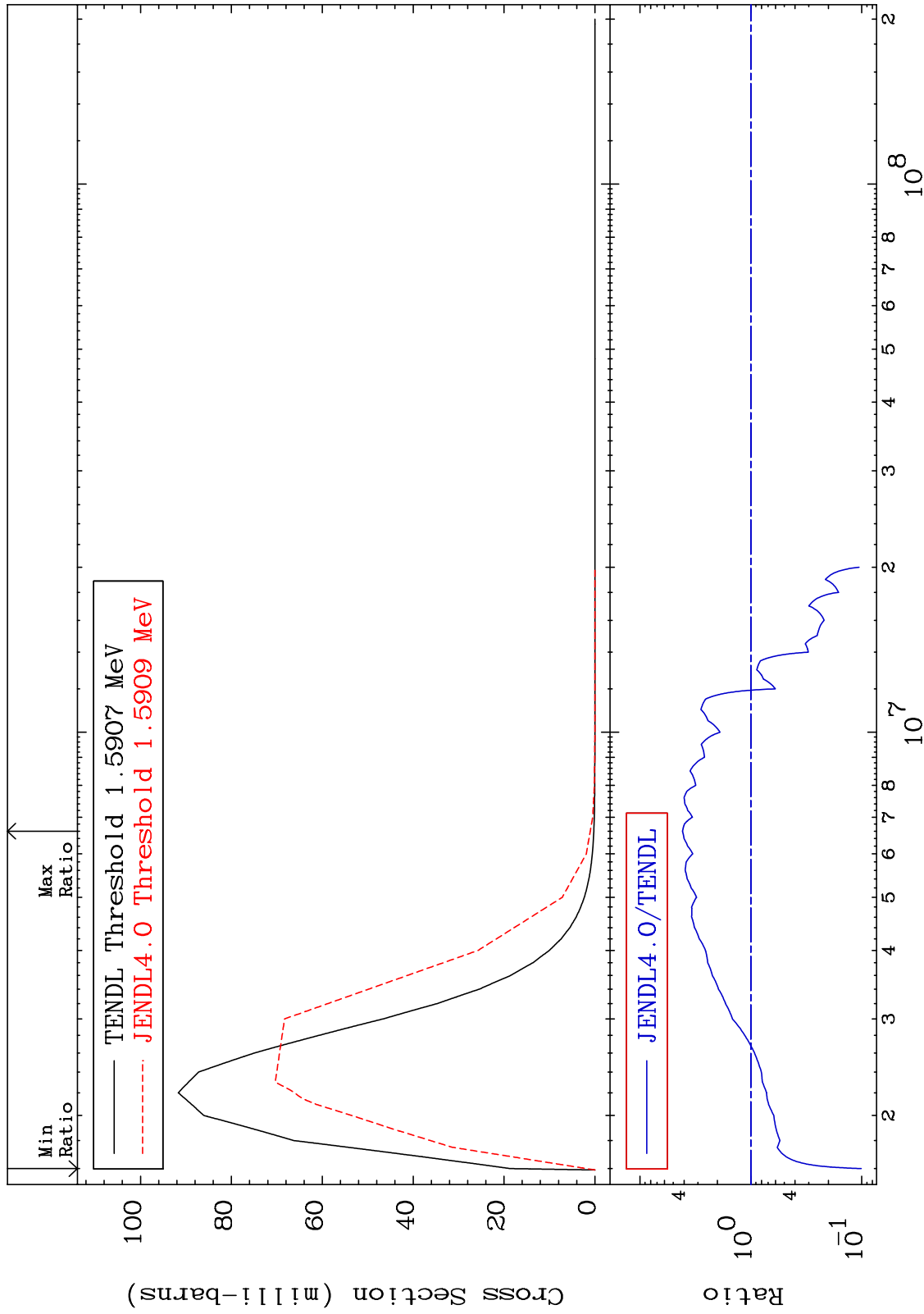
MAT 5643 MT= 52 (n,n') Level Cross Section 56-Ba-136 -100.0 To 182.2 %



MAT 5643

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

56-Ba-136
-89.91 To 313.4 %

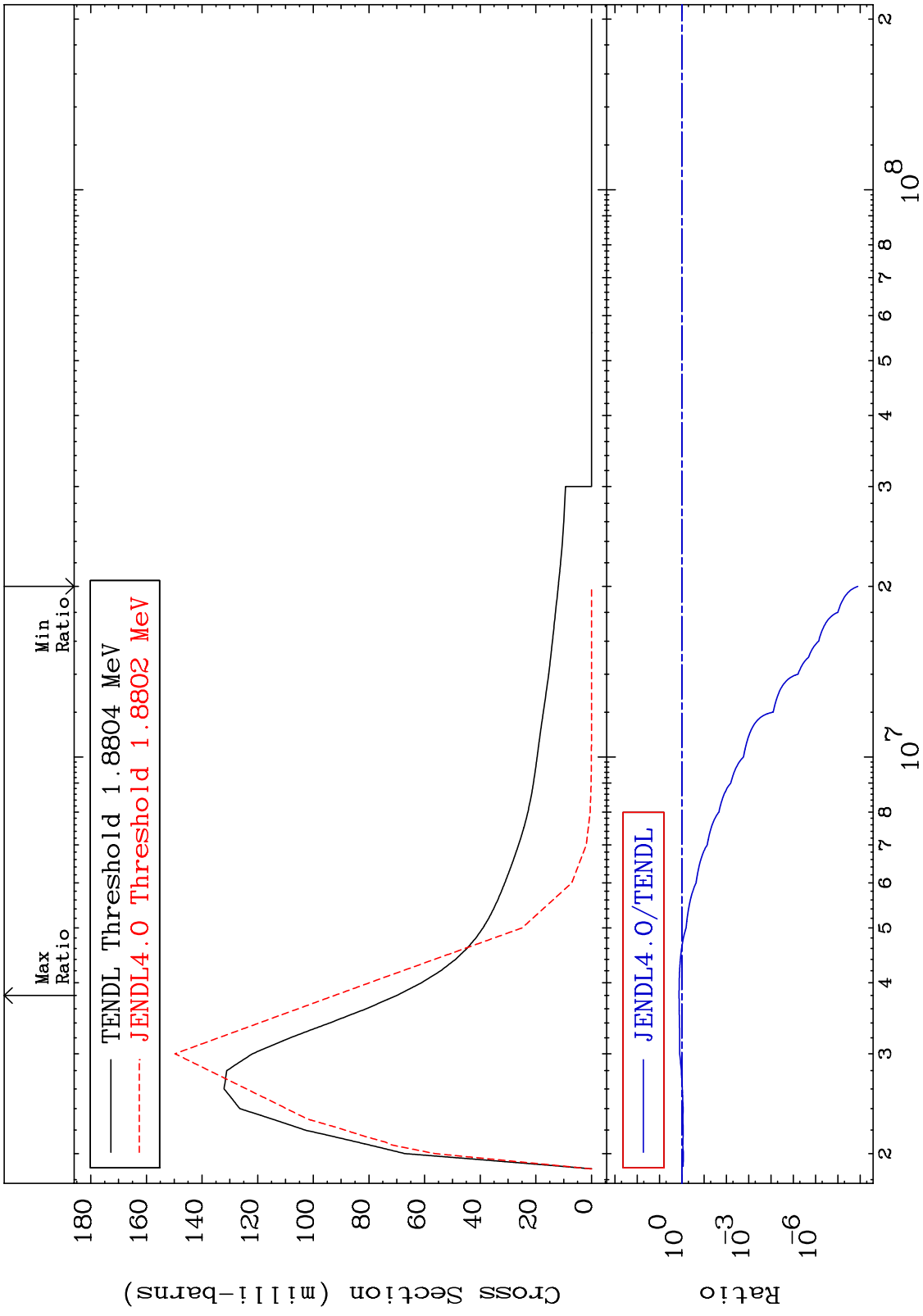


10

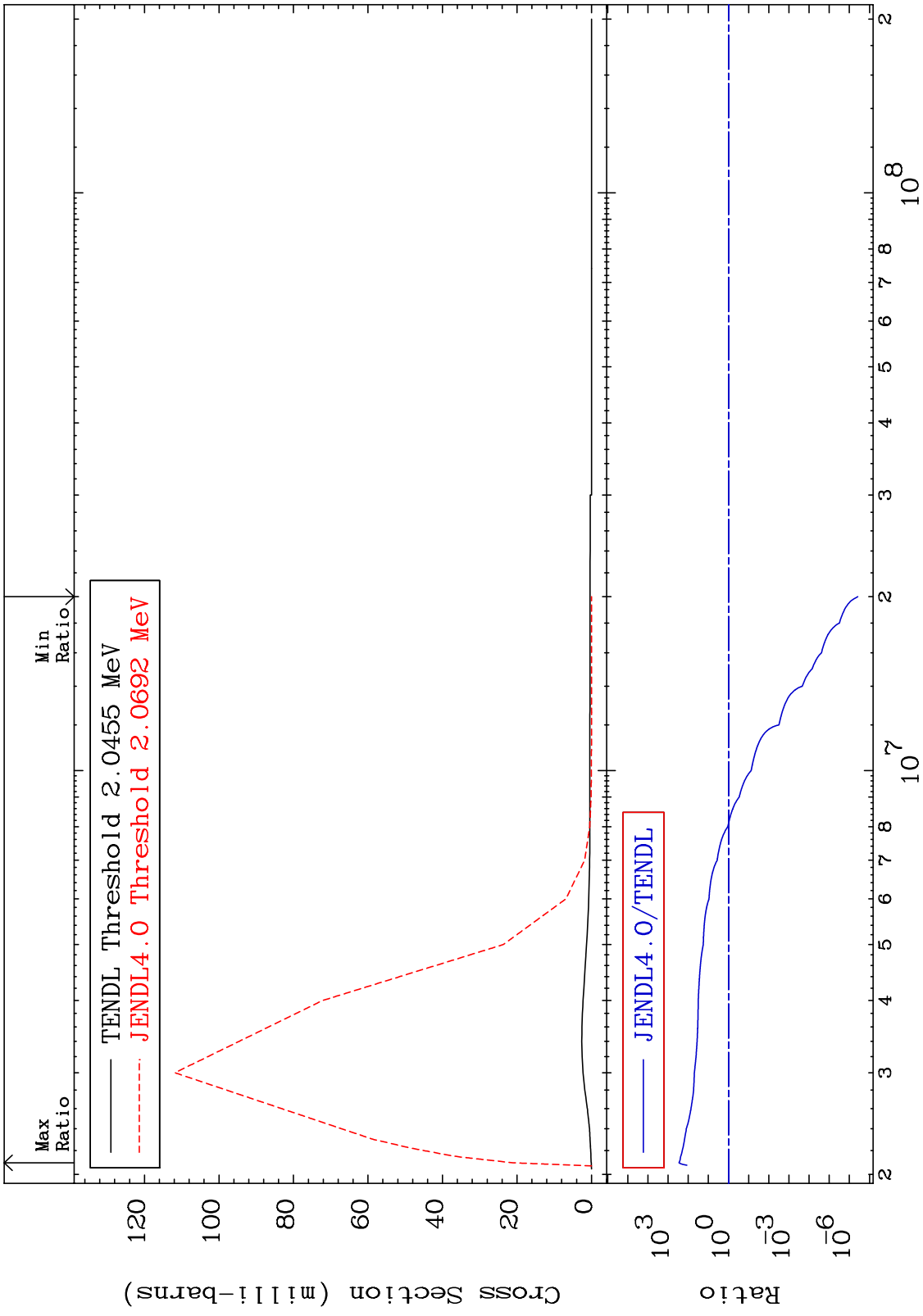
Incident Energy (eV)

56-Ba-136

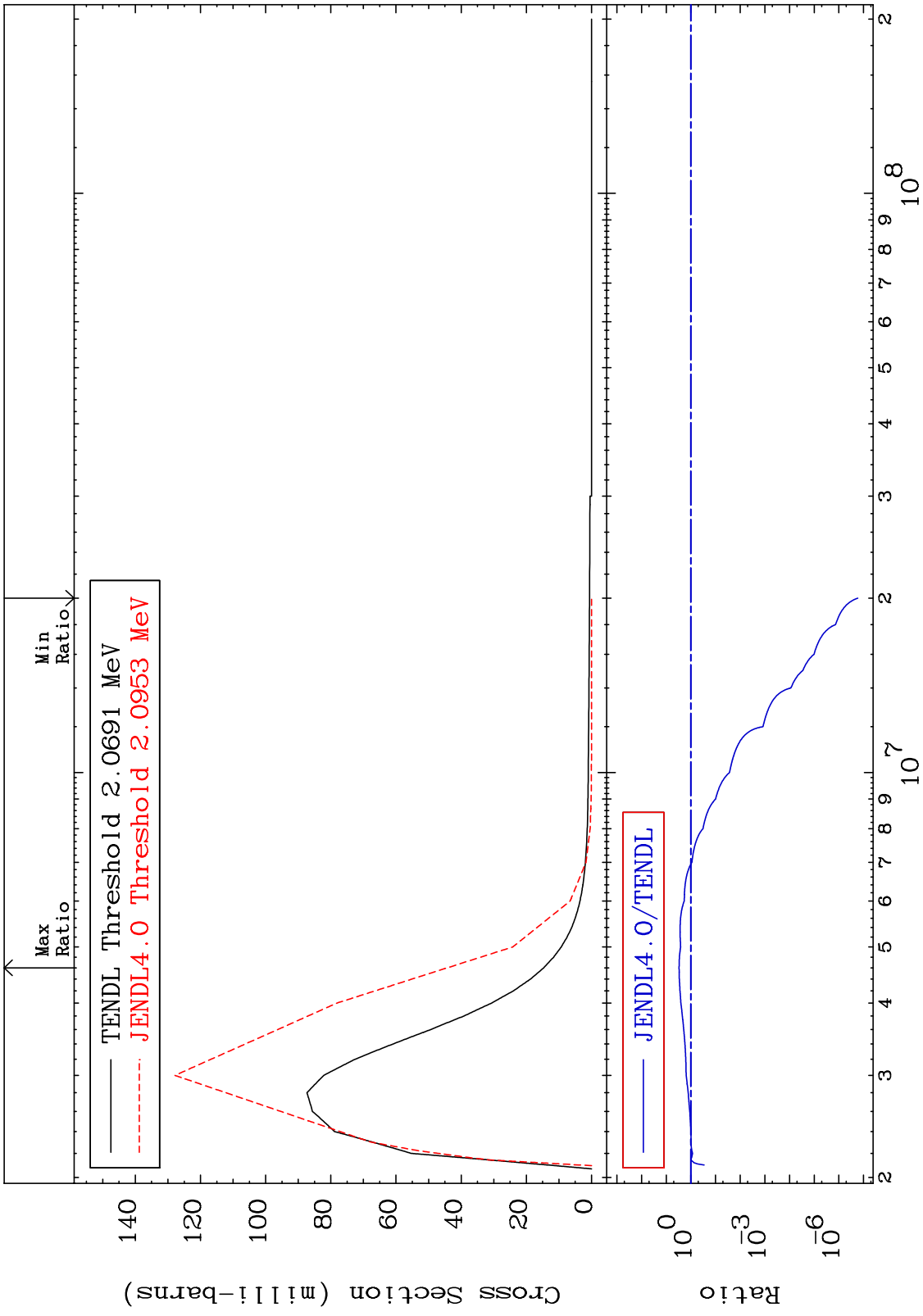
MAT 5643 MT= 54 (n,n') Level Cross Section 56-Ba-136 -100.0 To 32.03 %



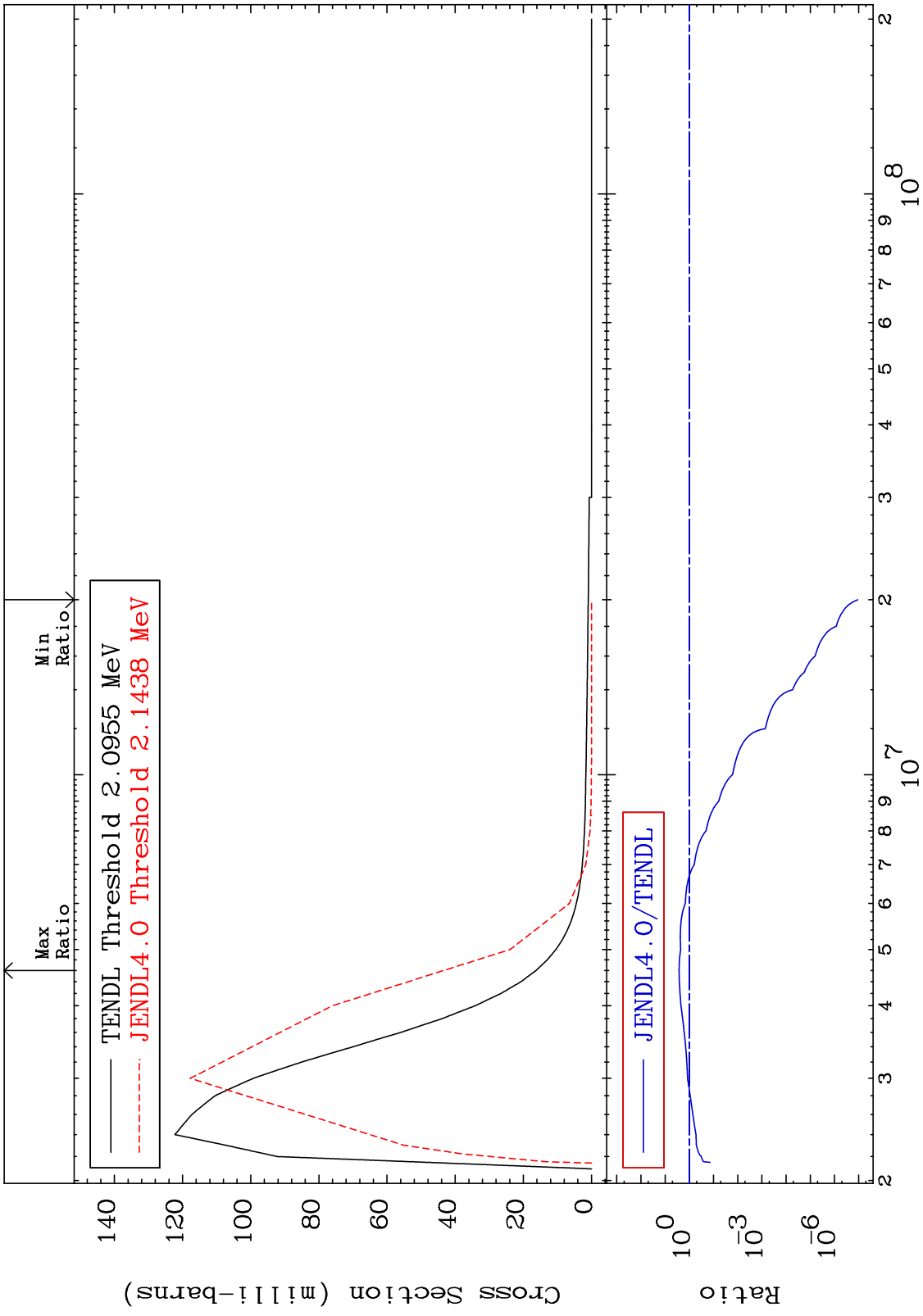
MAT 5643 MT= 55 (n,n') Level Cross Section 56-Ba-136 -100.0 To 9999. %



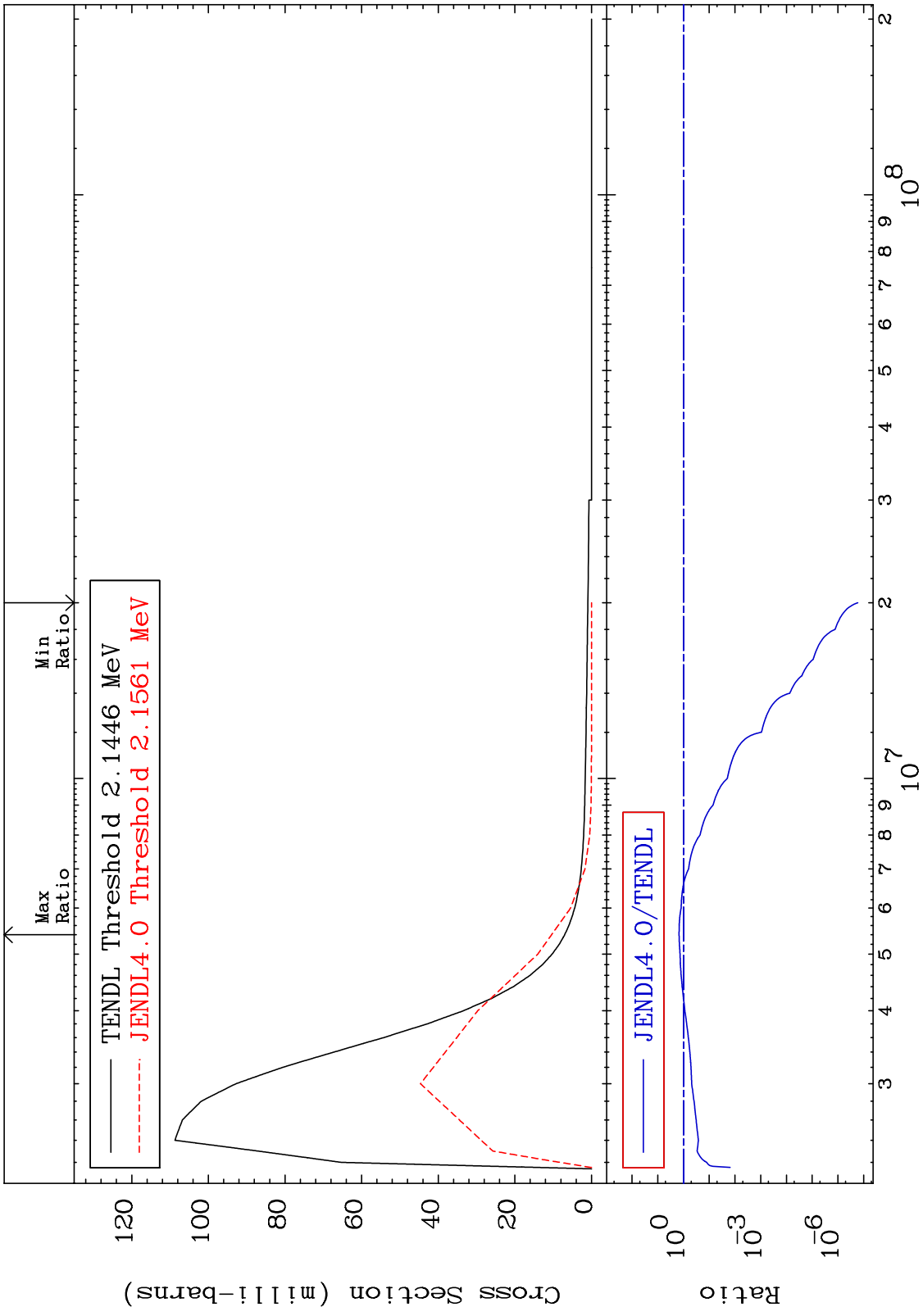
MAT 5643 MT= 56 (n,n') Level Cross Section 56-Ba-136 -100.0 To 201.6 %



MAT 5643 MT= 57 (n,n') Level Cross Section 56-Ba-136 -100.0 To 166.4 %

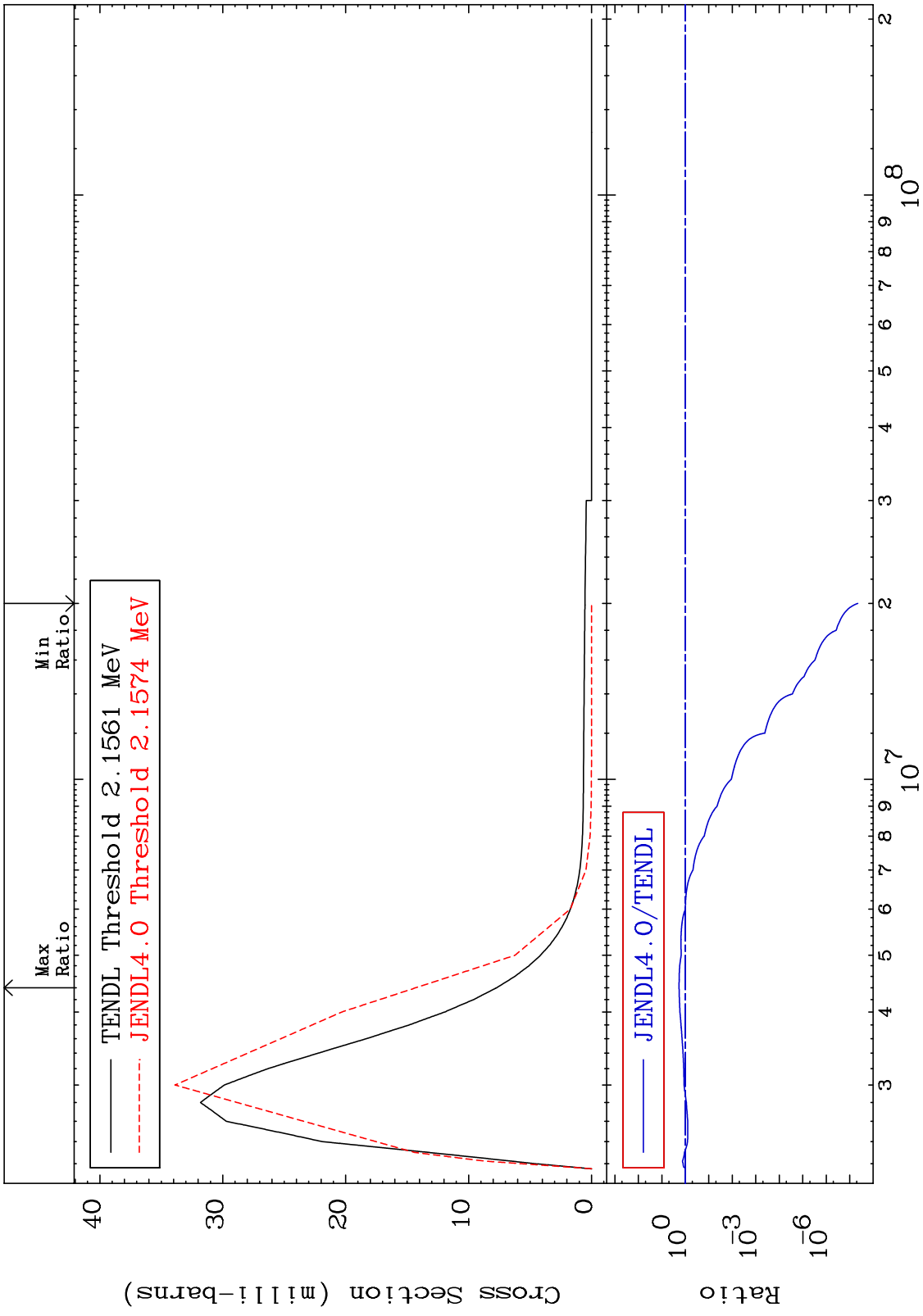


MAT 5643 MT= 58 (n,n') Level Cross Section 56-Ba-136 -100.0 To 48.98 %

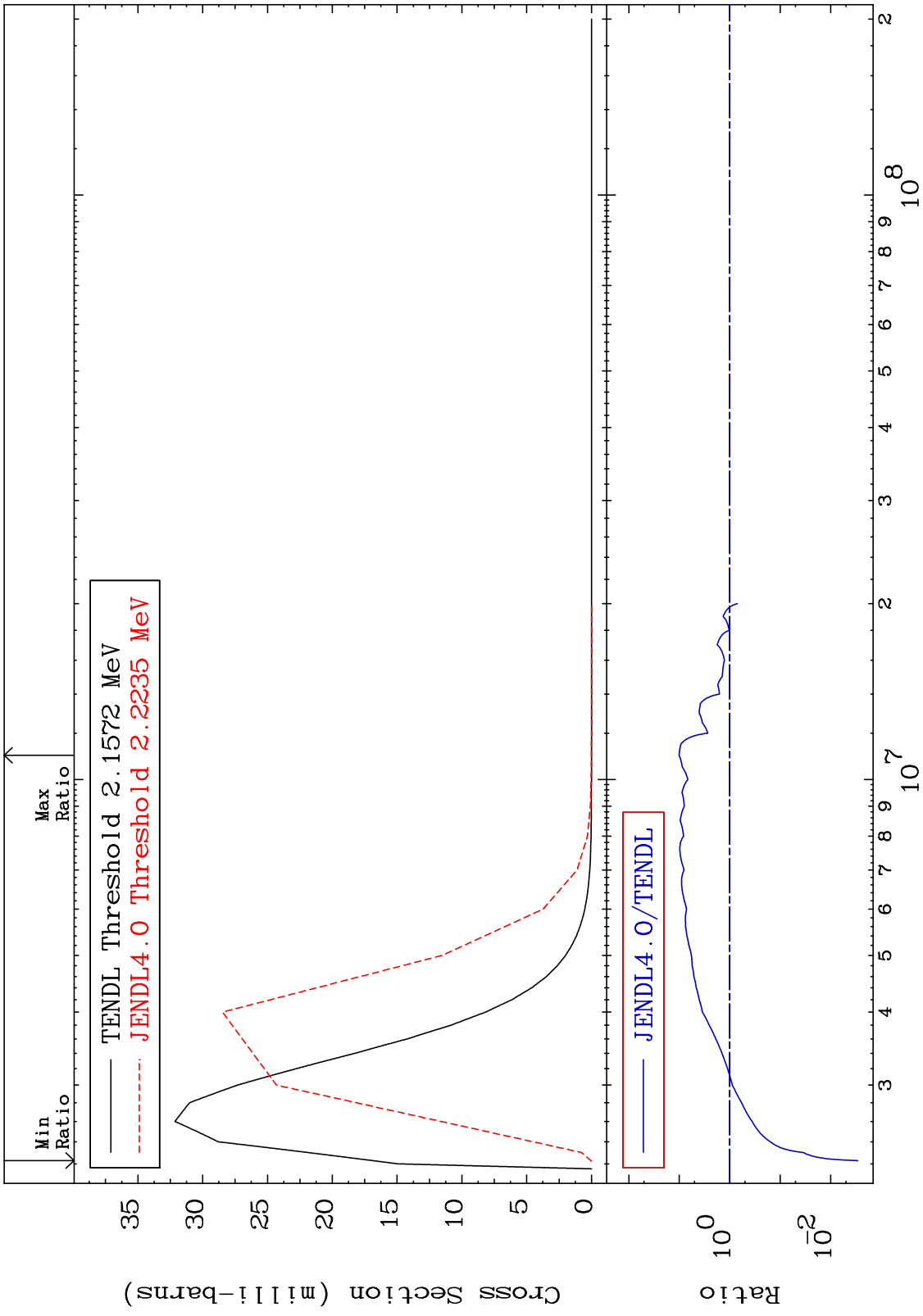


15 56-Ba-136 Incident Energy (eV)

MAT 5643 MT= 59 (n,n') Level Cross Section 56-Ba-136
 -100.0 To 85.18 %



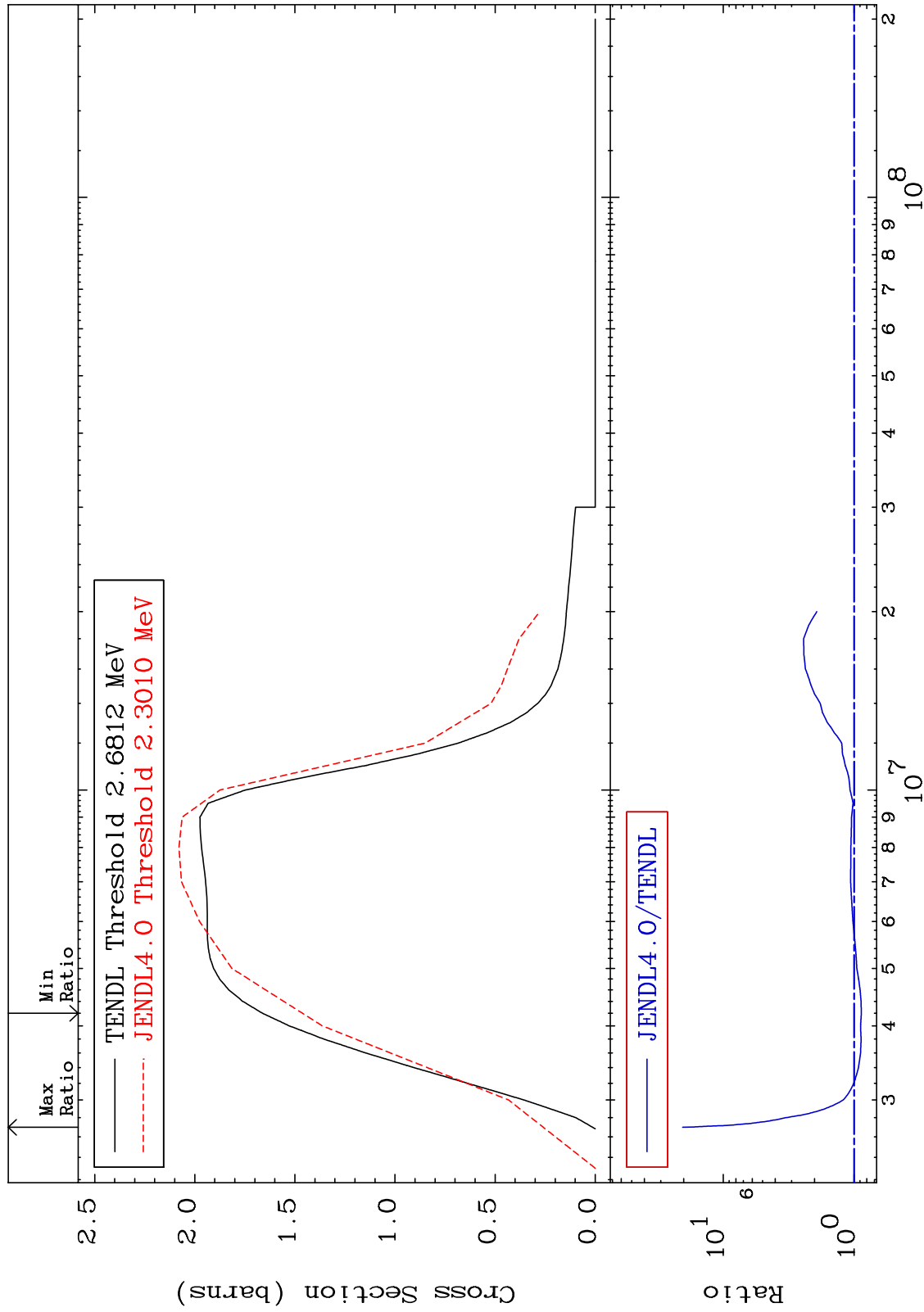
MAT 5643 MT= 60 (n,n') Level Cross Section 56-Ba-136 -99.71 To 911.6 %



MAT 5643

(n,n') Continuum
Cross Section

56-Ba-136
-12.05 To 1938. %



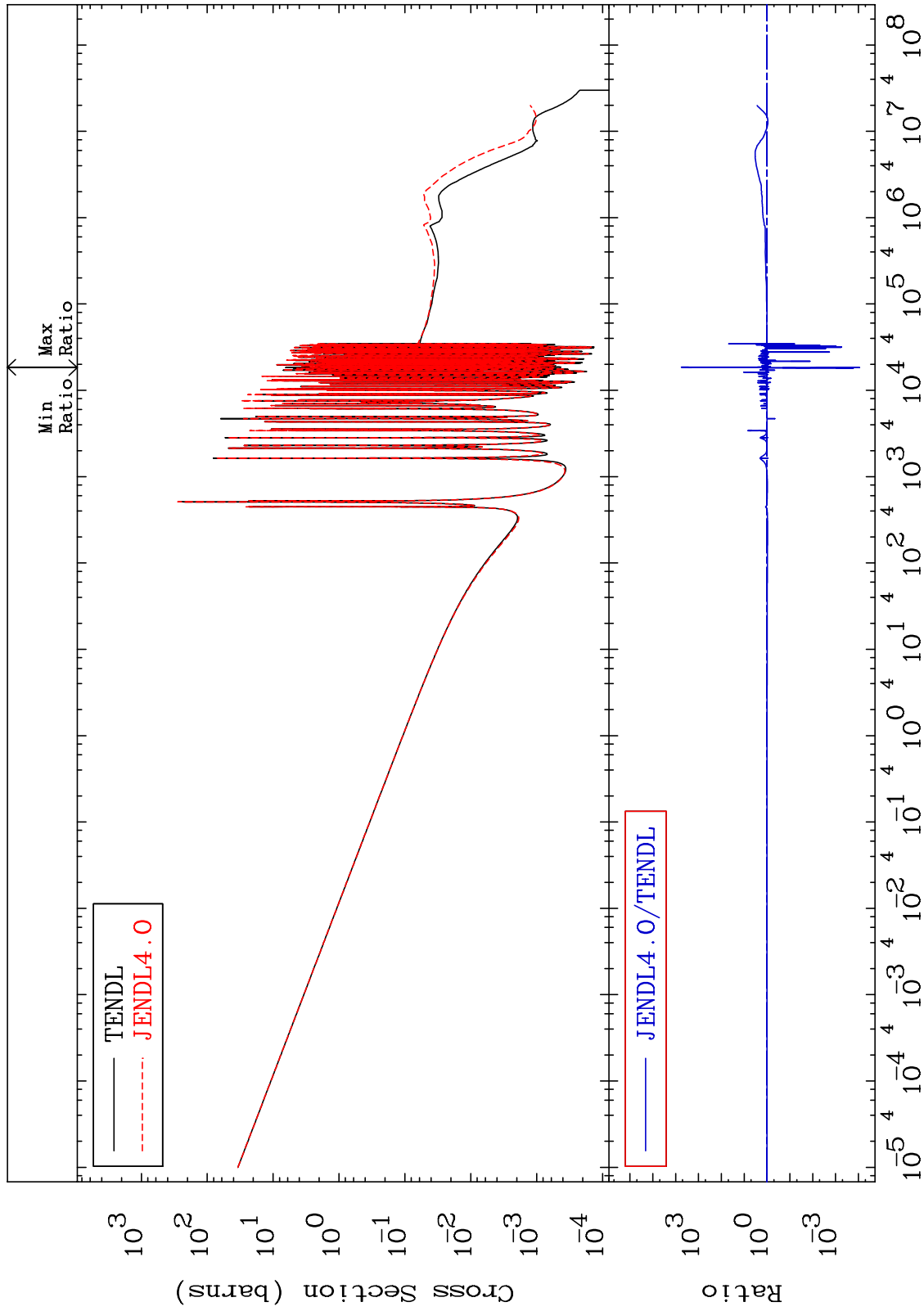
MAT 5643

(n, γ)

56-Ba-136

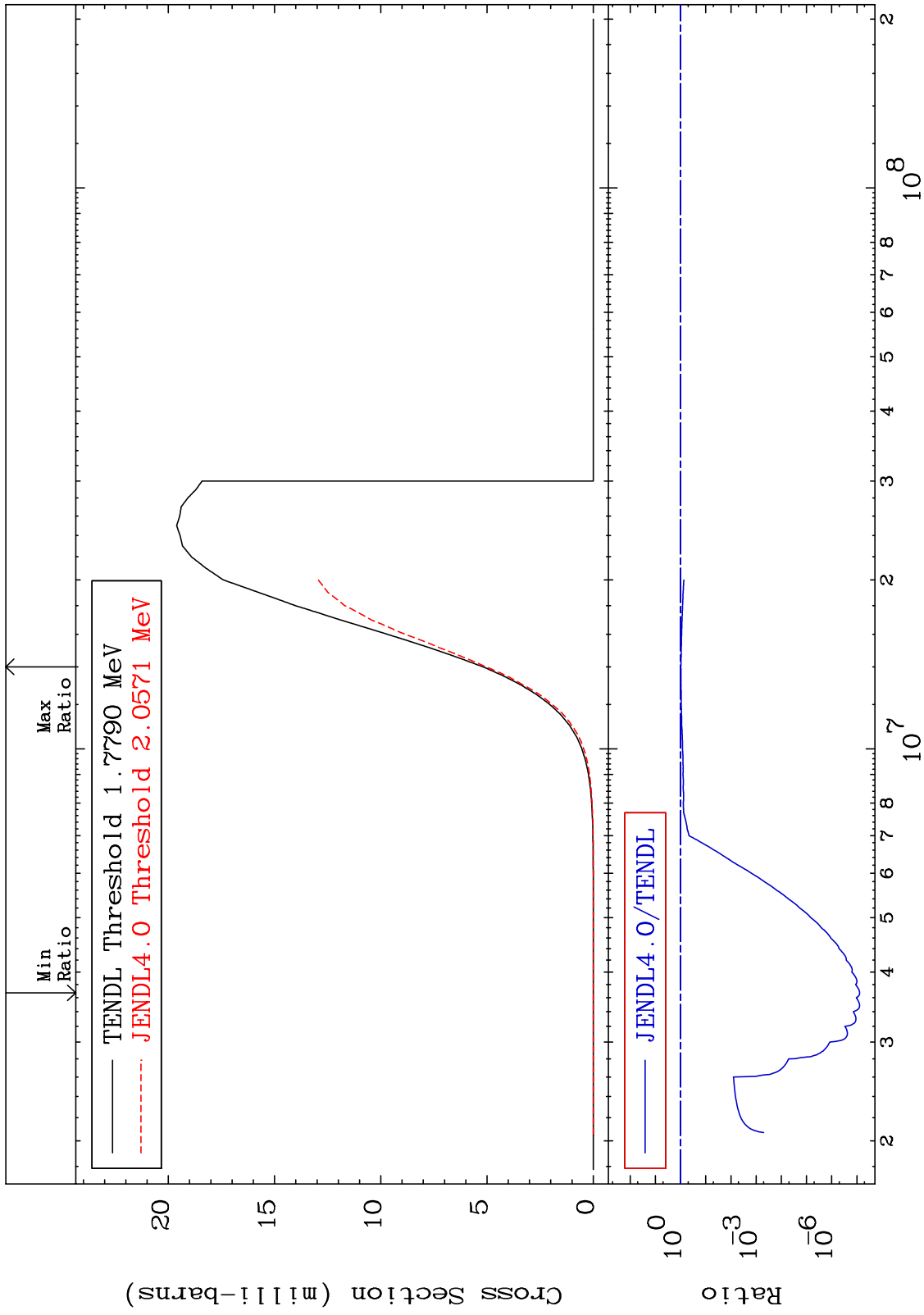
-99.99 To 9999. %

Cross Section



MAT 5643

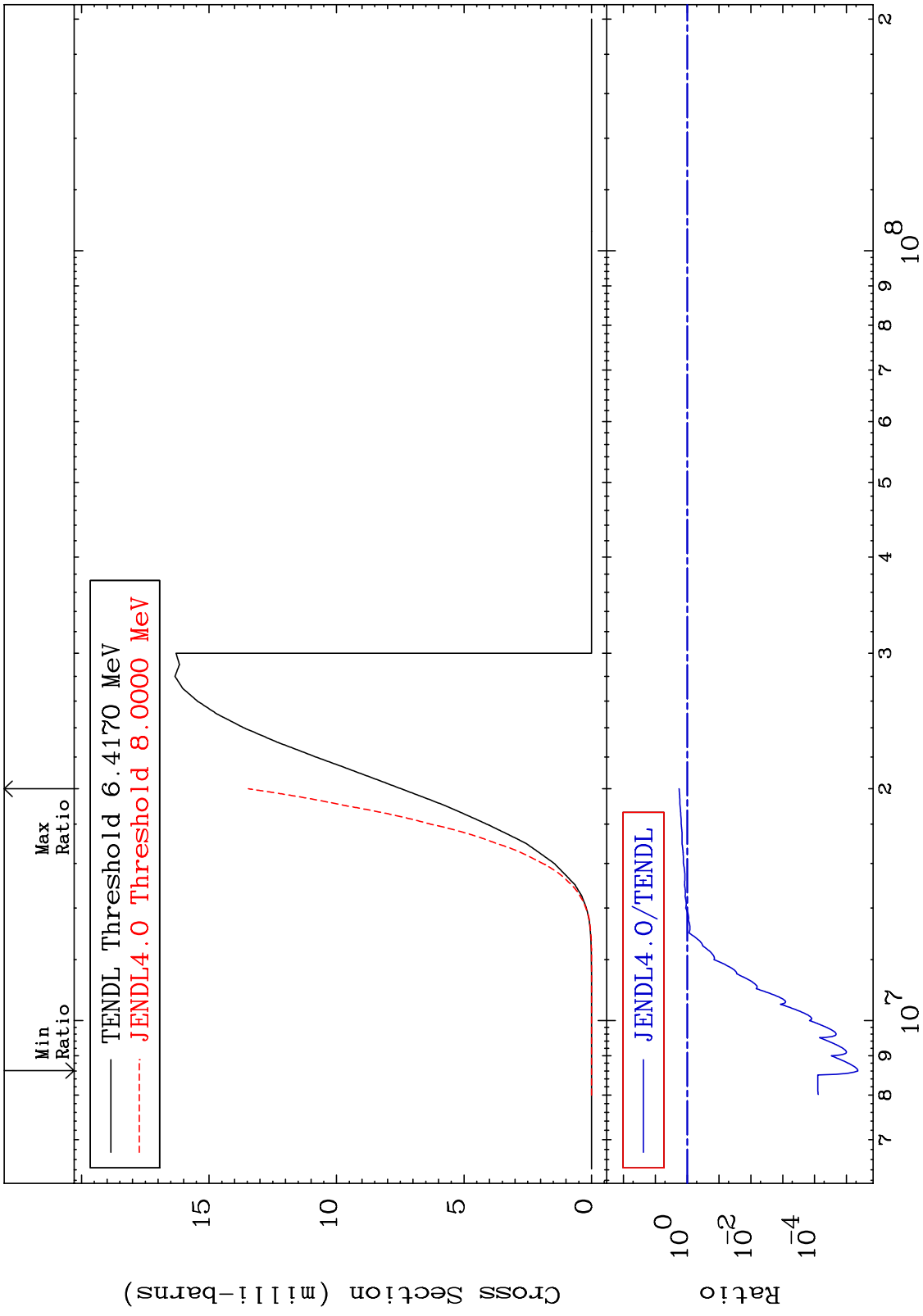
(n,p) Cross Section
56-Ba-136
-100.0 To -2.395%



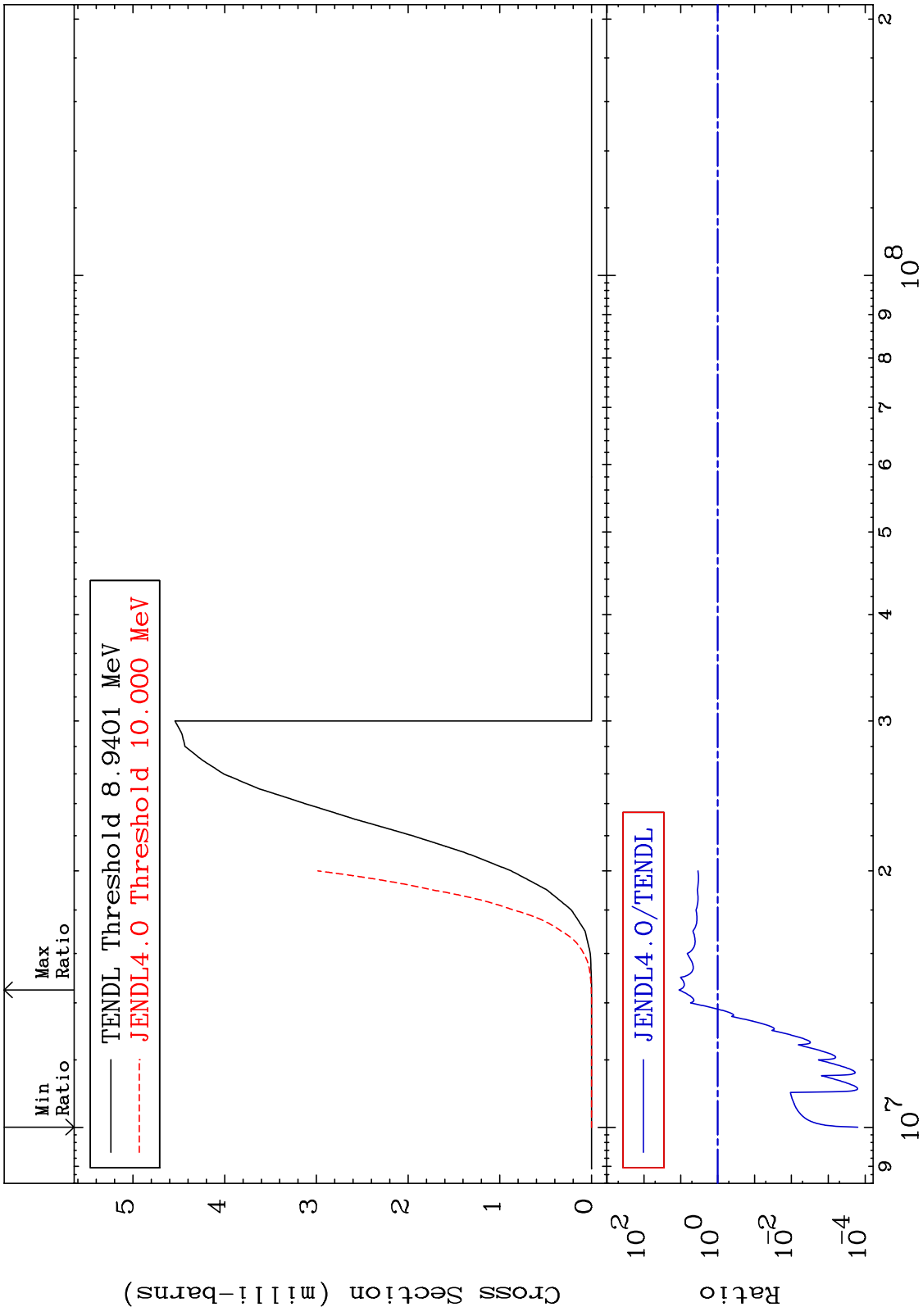
20

56-Ba-136

MAT 5643 56-Ba-136
(n,d)
Cross Section
-100.0 To 80.12 %



MAT 5643 (n,t) 56-Ba-136
 Cross Section -99.98 To 1017. %



22 56-Ba-136 Incident Energy (eV)

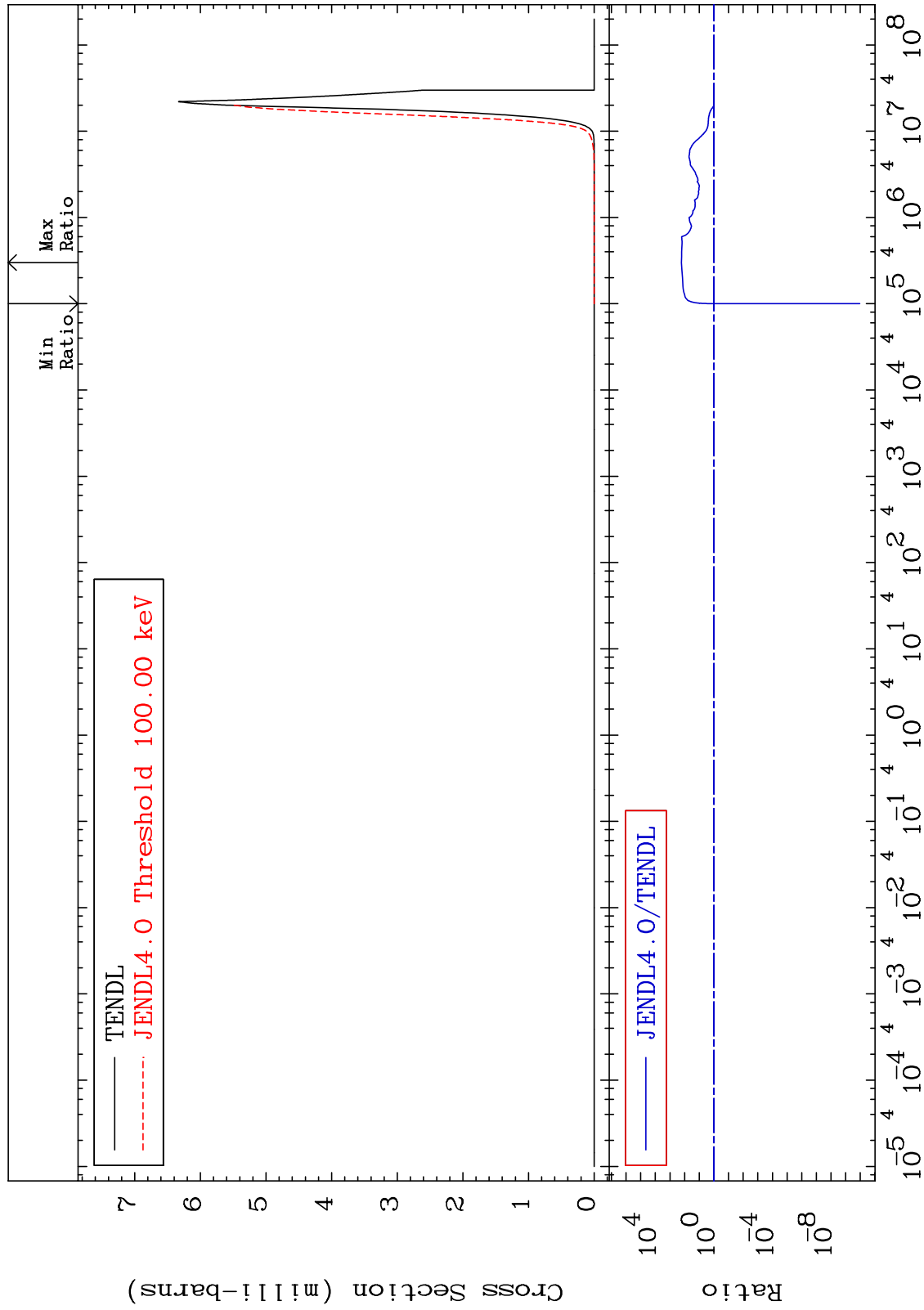
MAT 5643

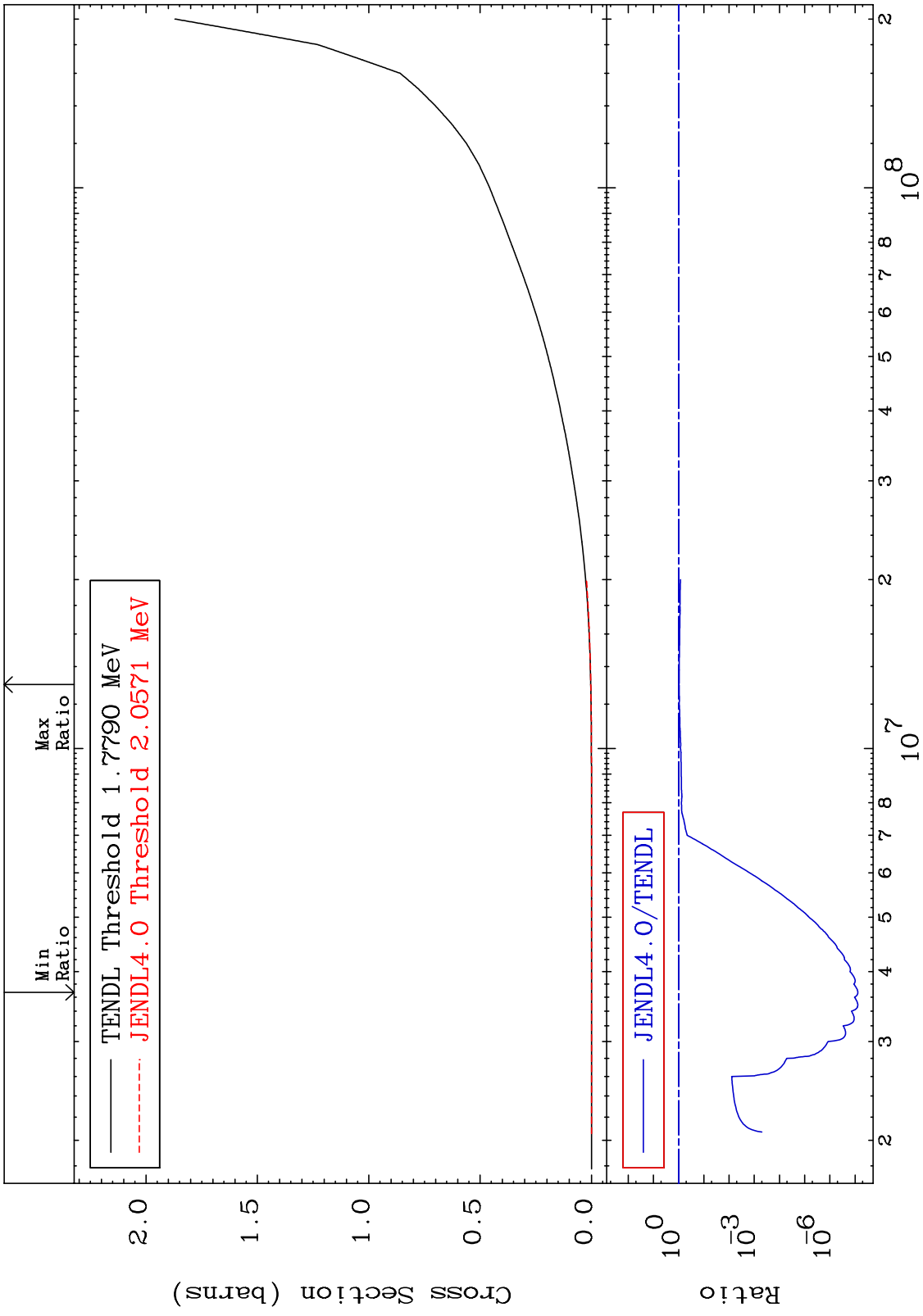
(n, α)

56-Ba-136

Cross Section

-100.0 To 9999. %

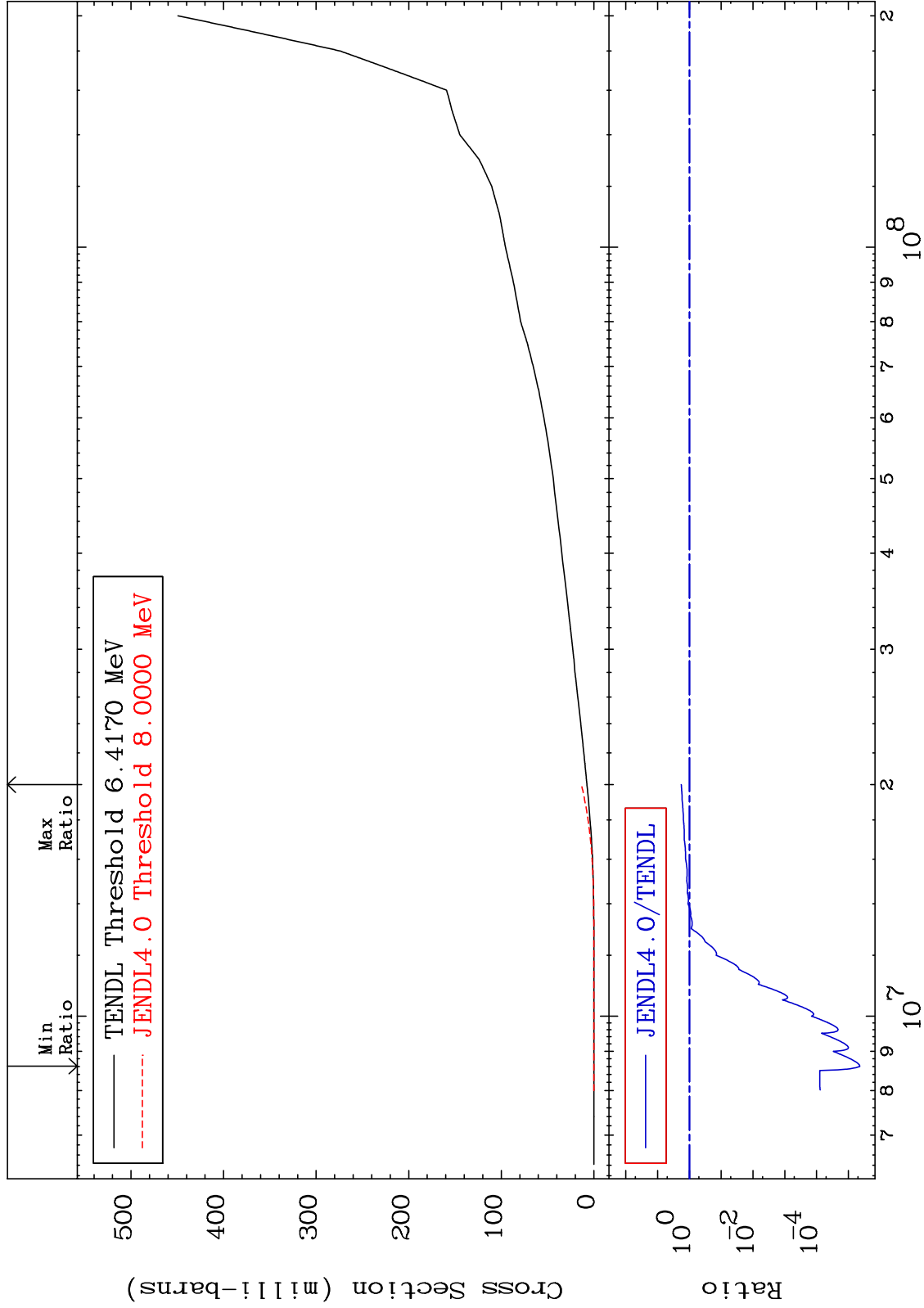




MAT 5643

Deuterium Production
Cross Section

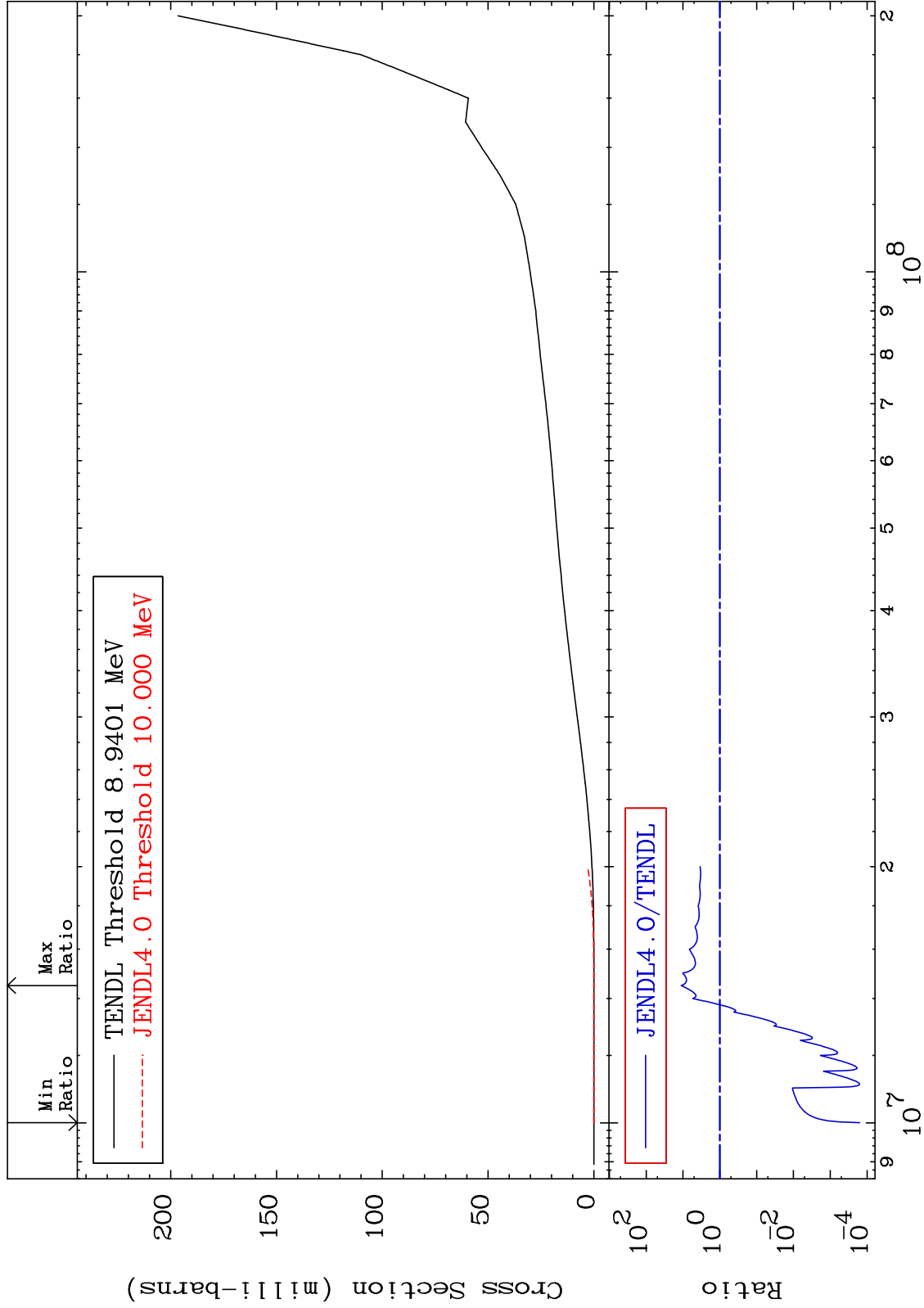
56-Ba-136
-100.0 To 80.11 %



MAT 5643

Tritium Production
Cross Section

56-Ba-136
-99.98 To 1017. %



26

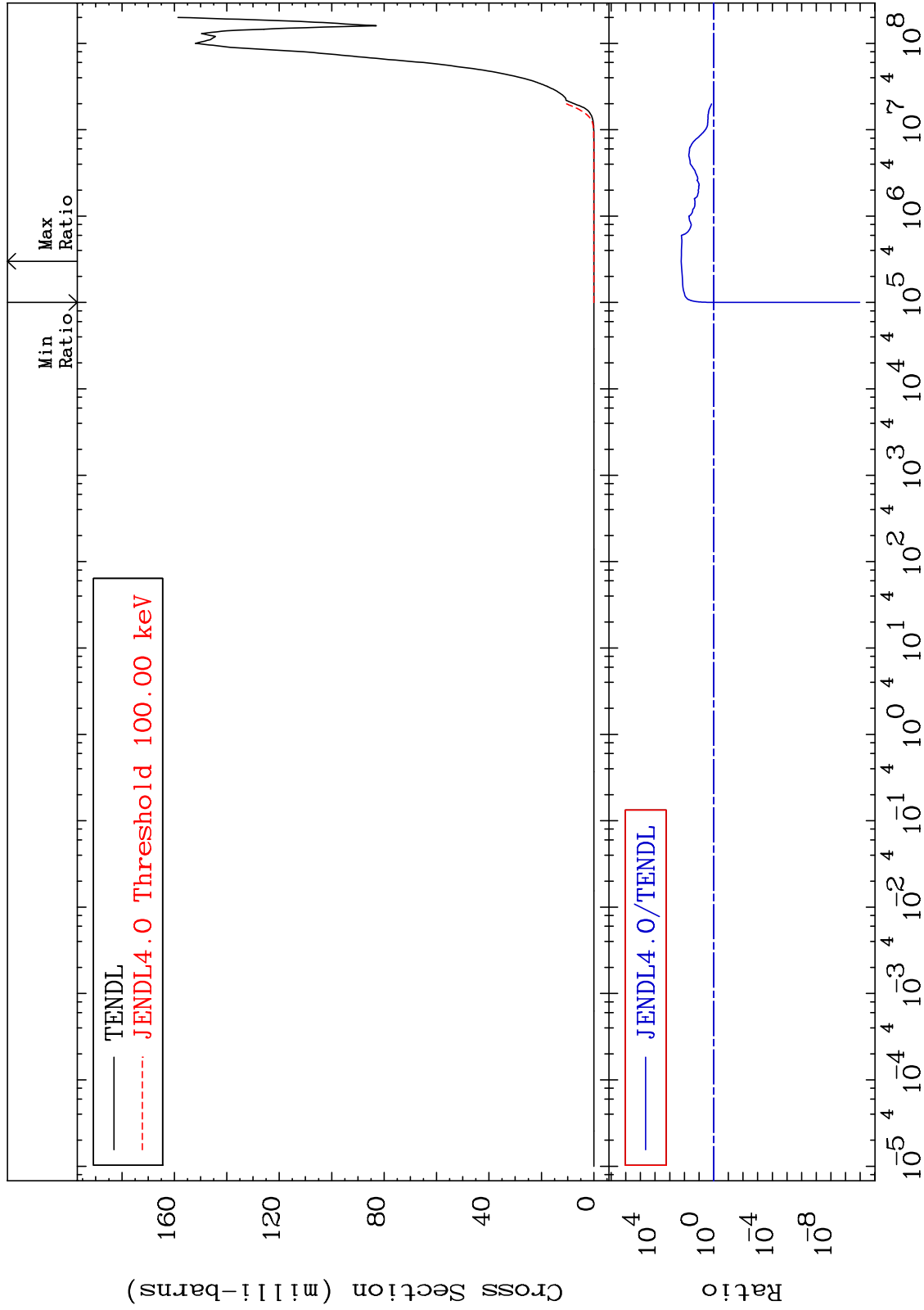
Incident Energy (eV)

56-Ba-136

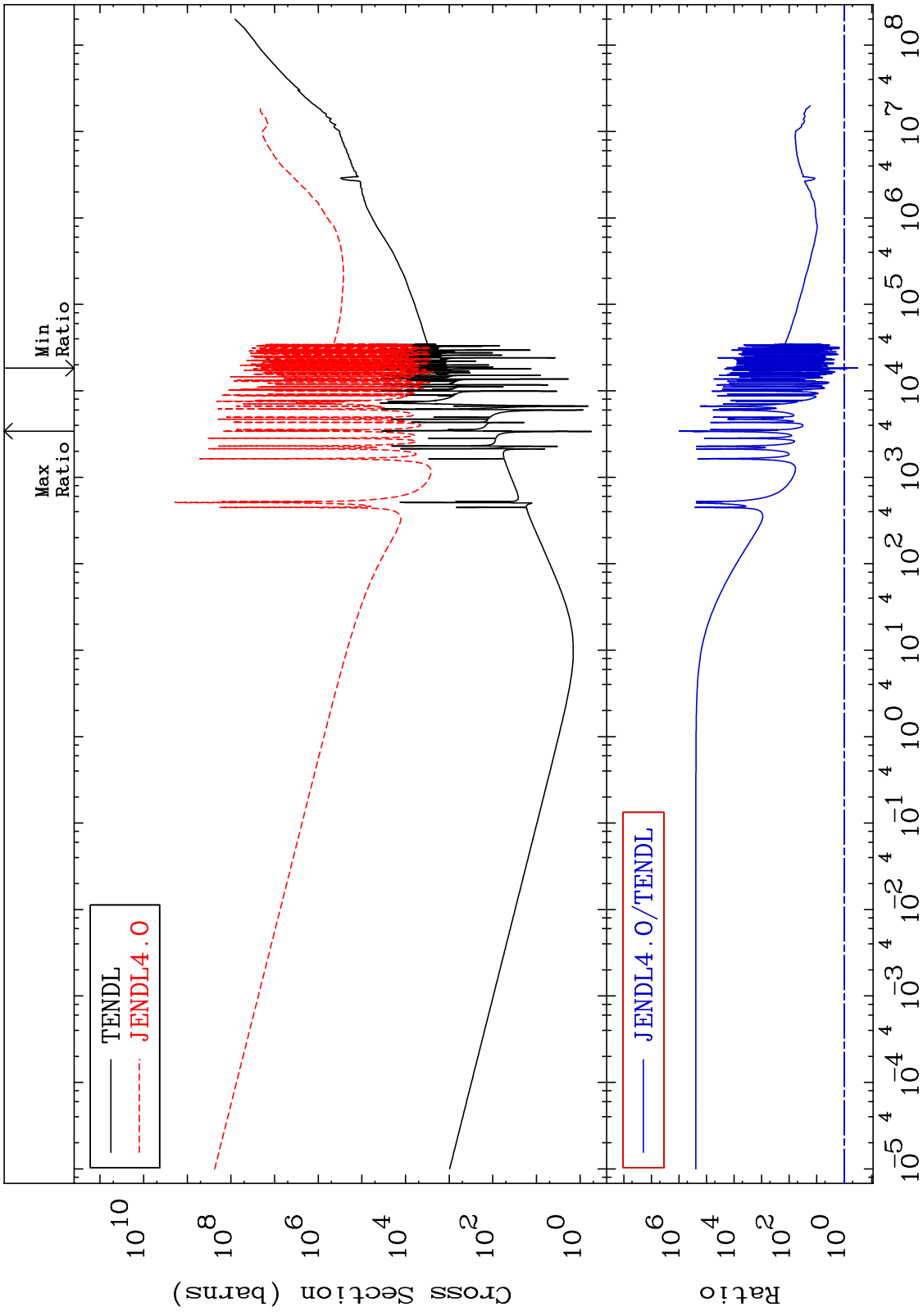
MAT 5643

He-4 Production
Cross Section

56-Ba-136
-100.0 To 9999. %



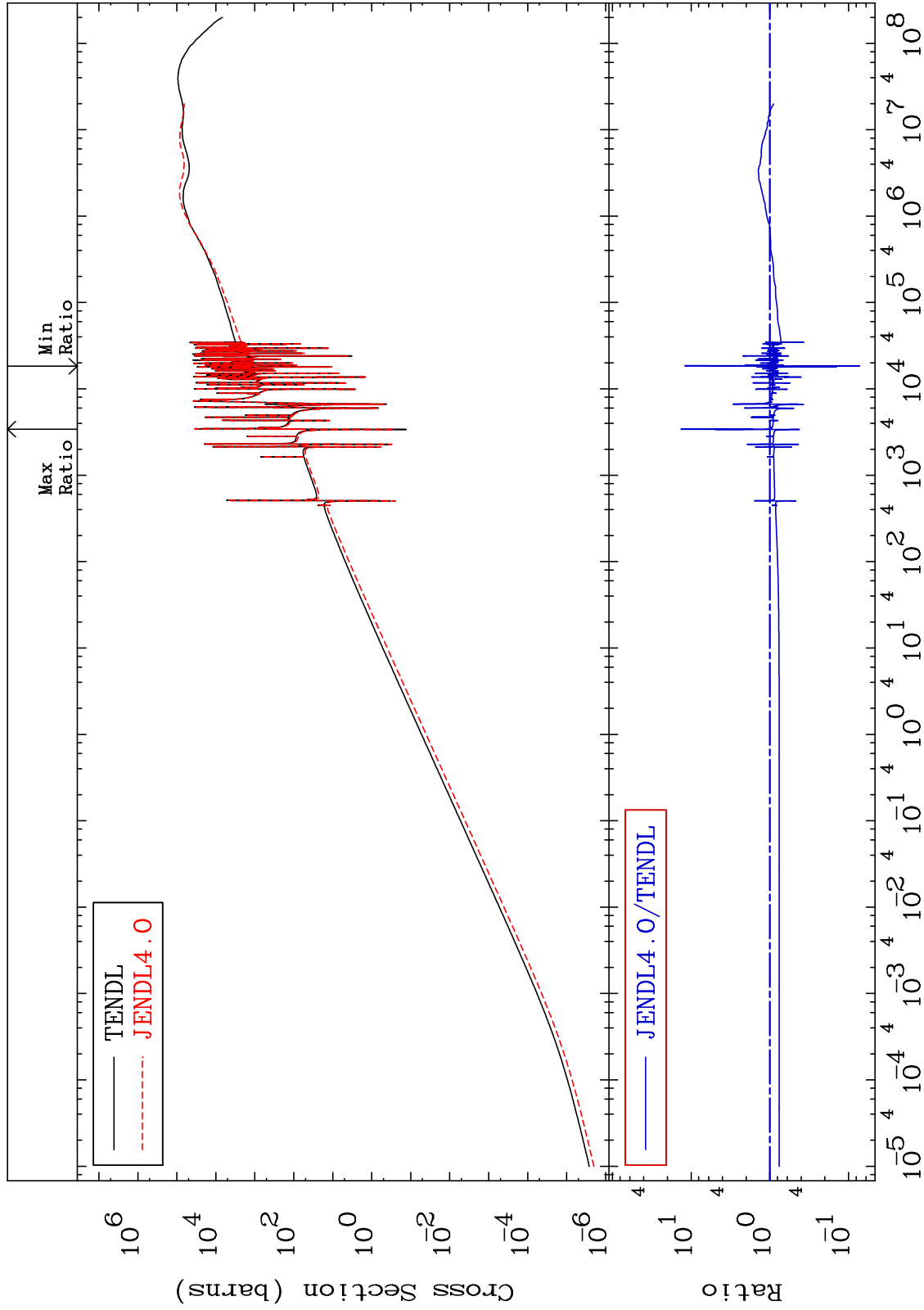
MAT 5643 Kerma total (eV-barns) 56-Ba-136
 Cross Section -68.02 To 9999. %



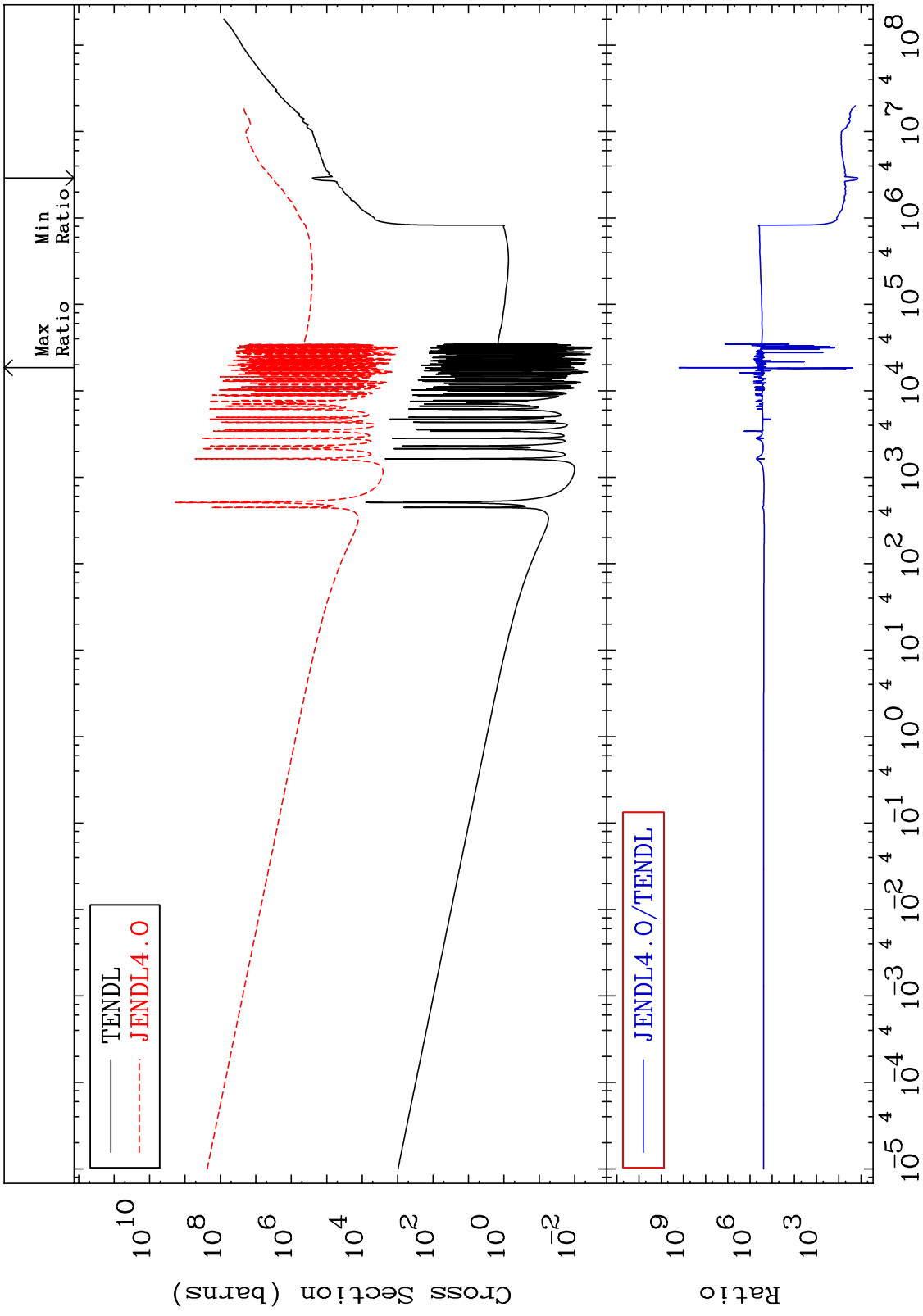
MAT 5643

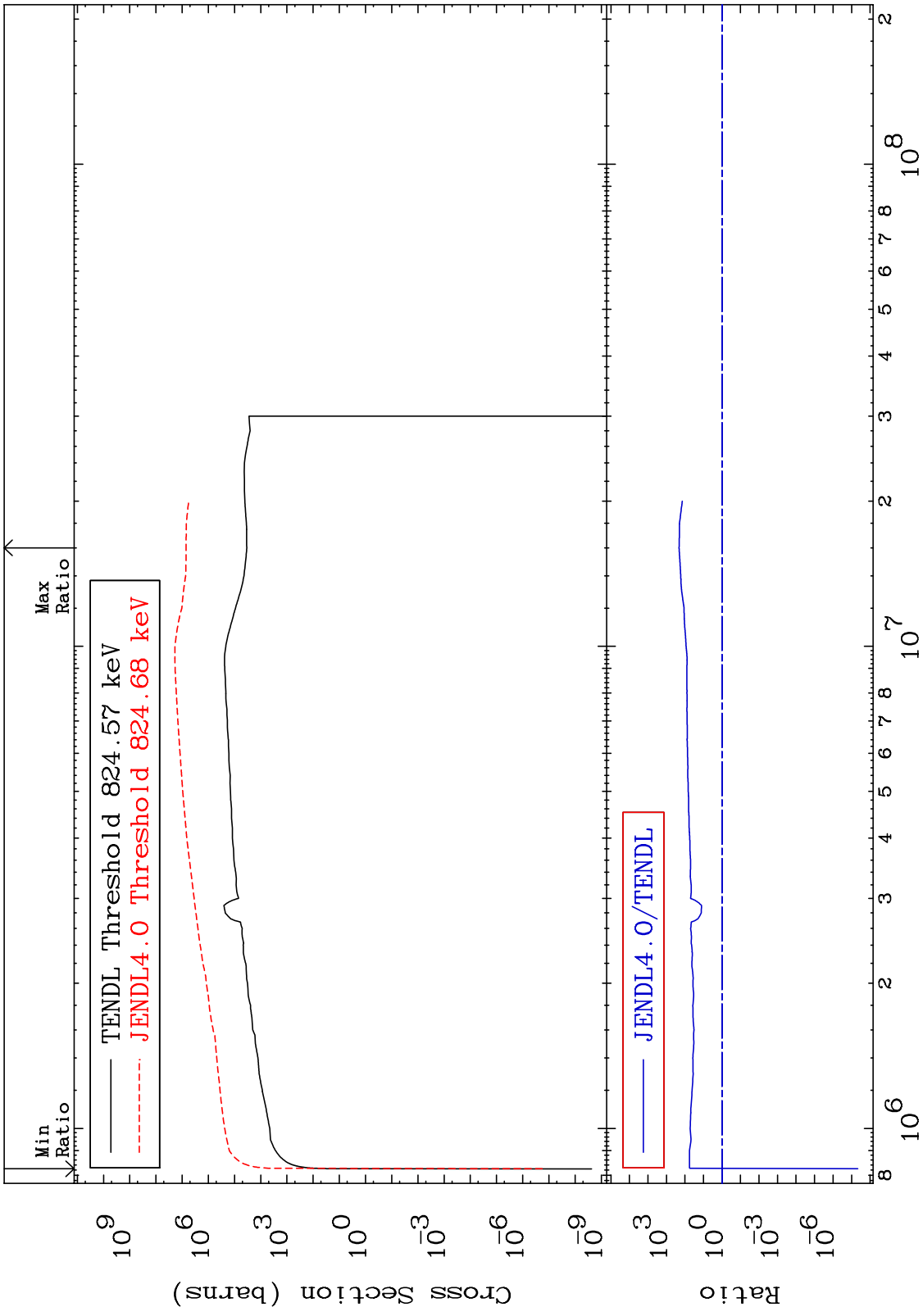
Kerma elastic
Cross Section

56-Ba-136
-92.80 To 1235. %



MAT 5643 Kerma non-elastic (all but mt2) 56-Ba-136
 Cross Section 1284. To 9999. %

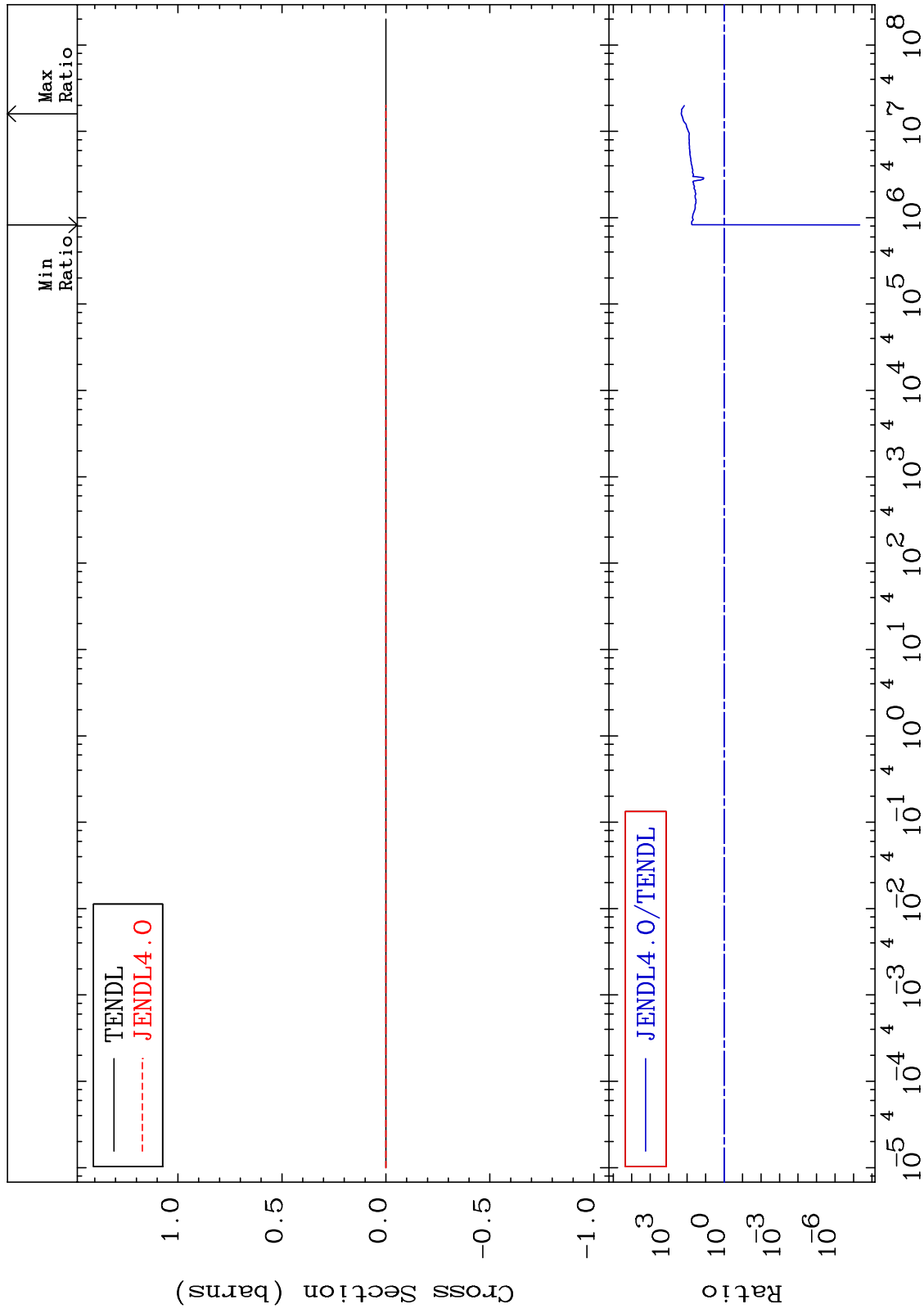




MAT 5643

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

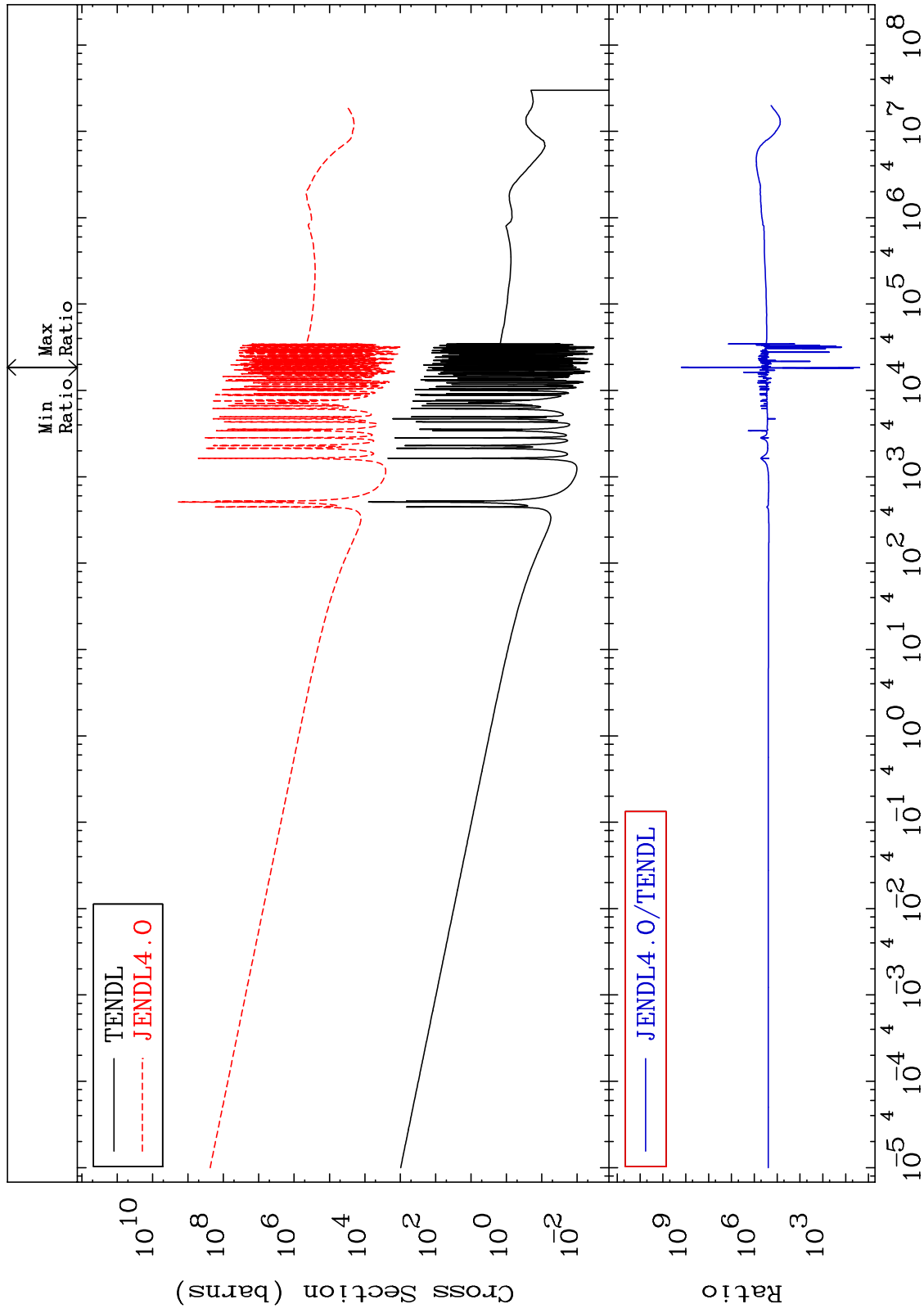
56-Ba-136
-100.0 To 9999. %



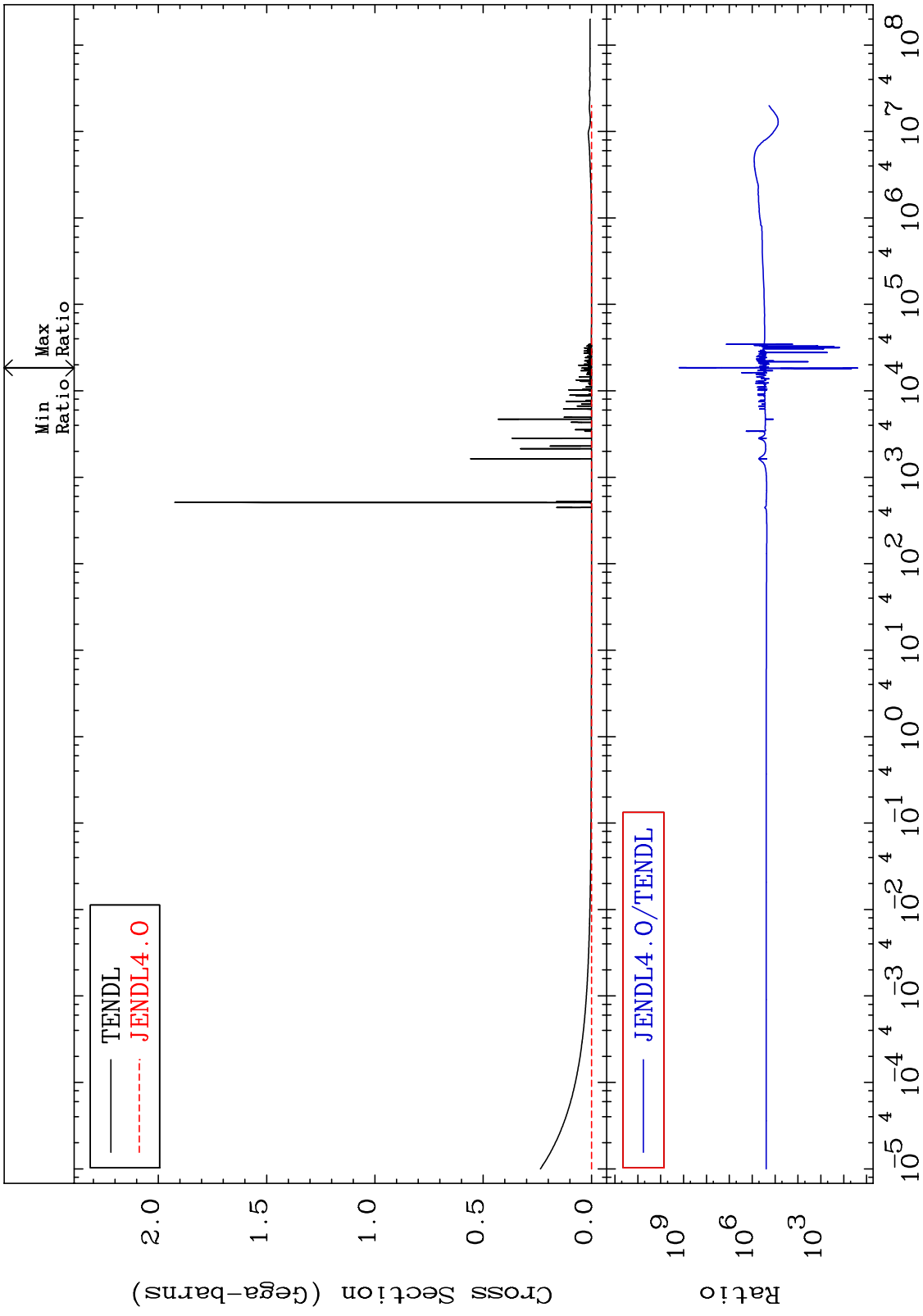
MAT 5643

Kerma capture (mt102)
Cross Section

56-Ba-136
2311. To 9999. %



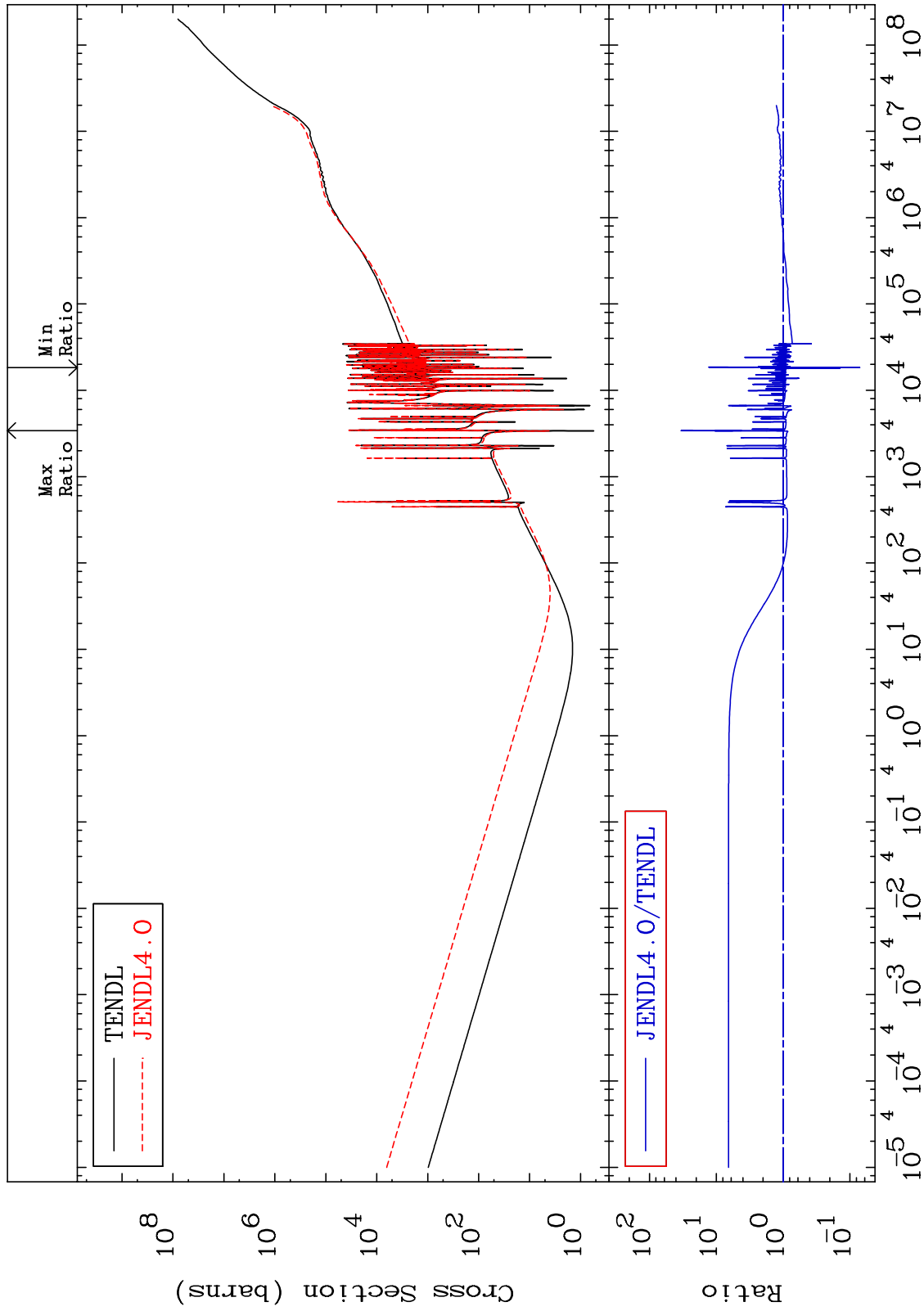
MAT 5643 56-Ba-136
 Total photon (eV-barns) 2311. To 9999. %
 Cross Section



MAT 5643

Total kinematic kerma (high limit)
Cross Section

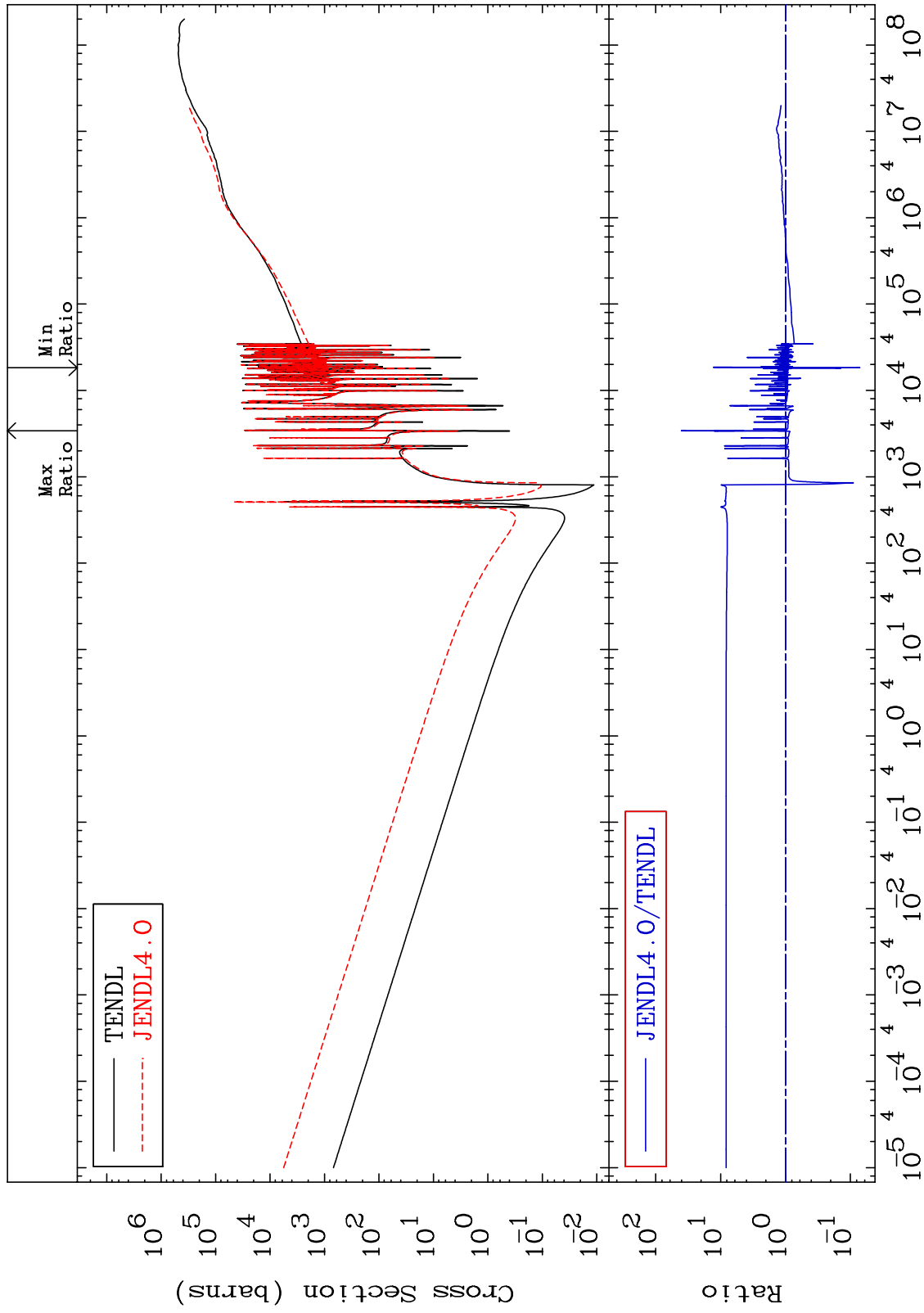
56-Ba-136
-92.87 To 3244. %



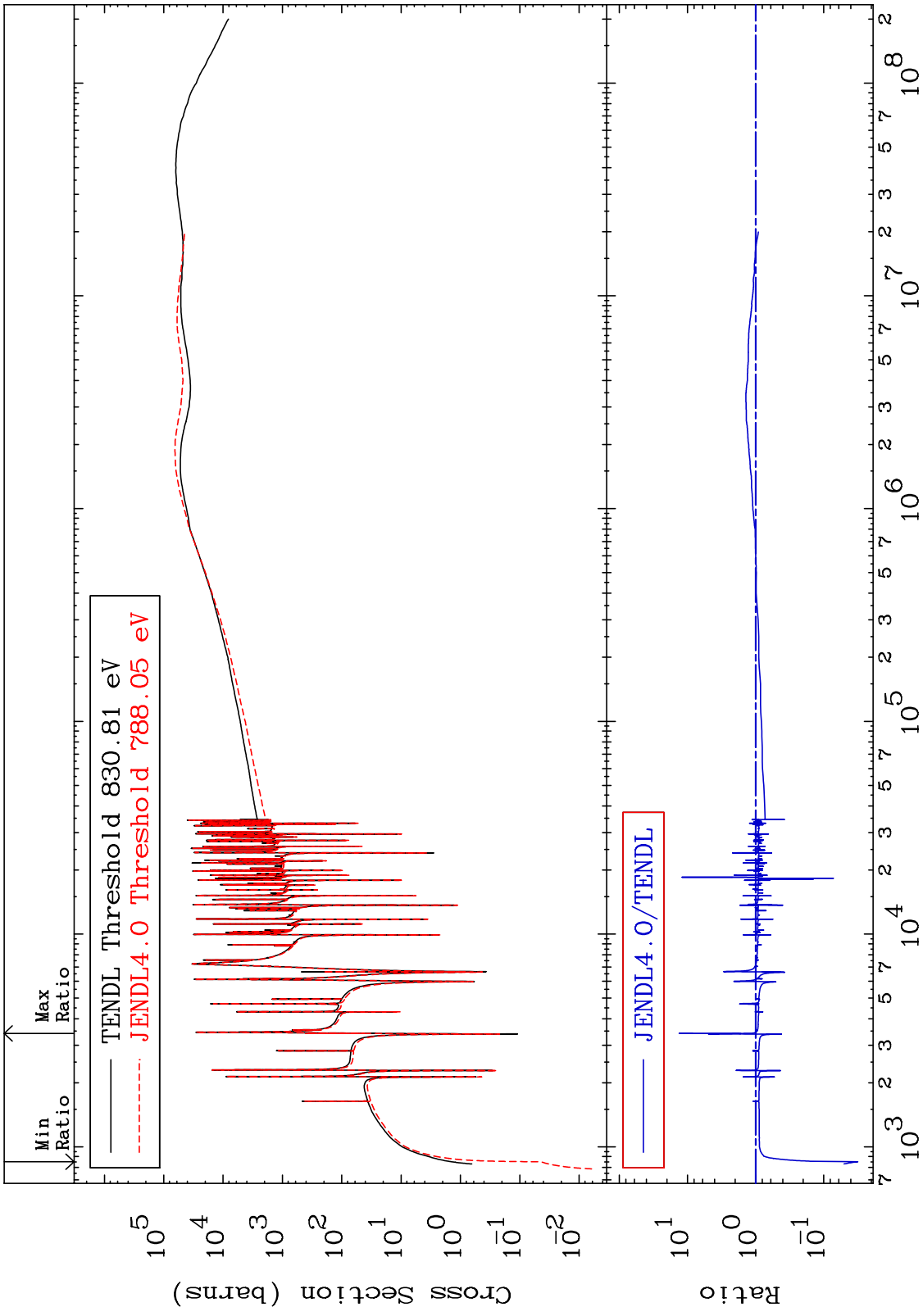
MAT 5643

Dpa total (eV-barns)
Cross Section

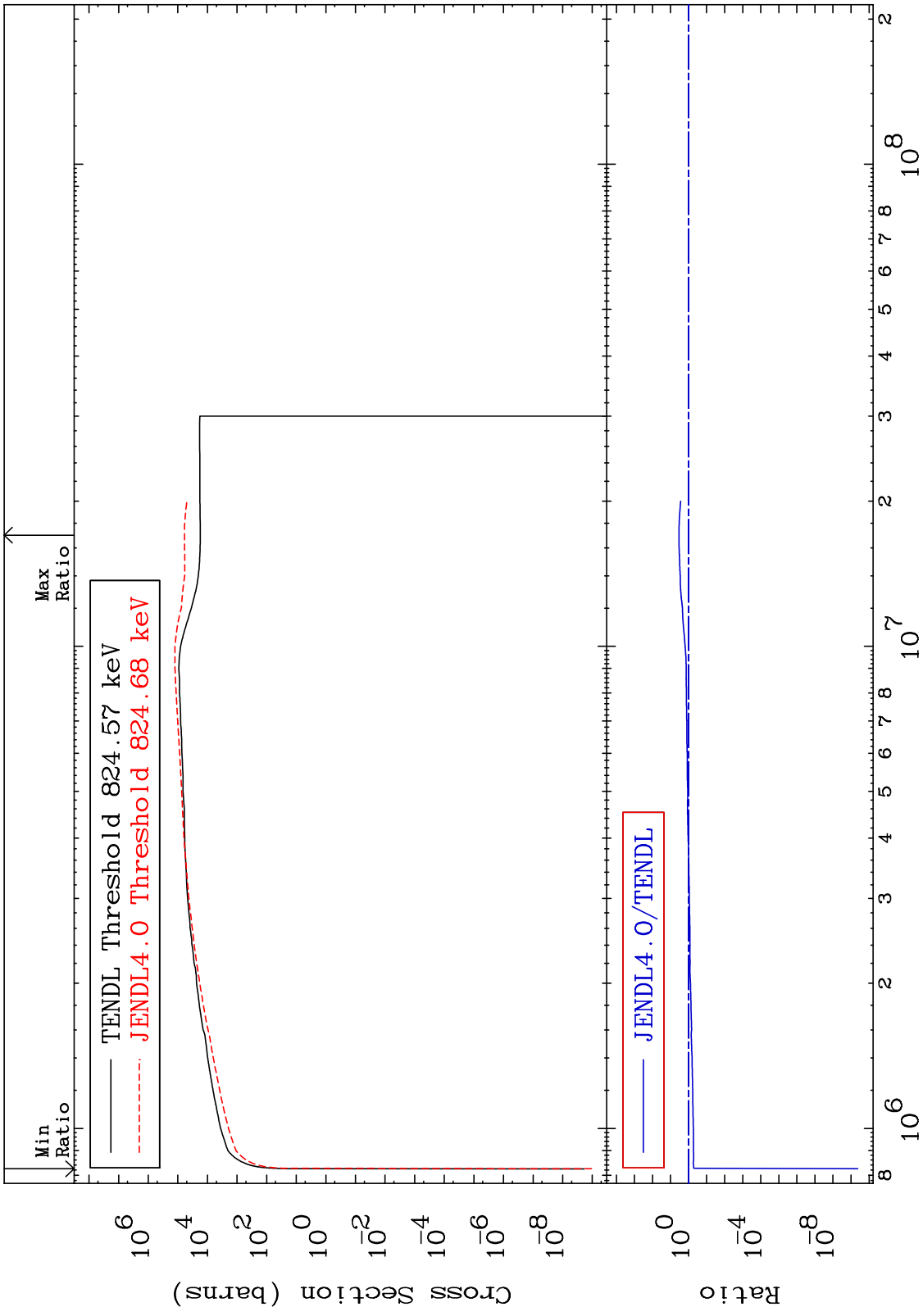
56-Ba-136
-92.85 To 3942. %



MAT 5643 56-Ba-136
 Dpa elastic (mt2) -96.84 To 1229. %
 Cross Section



MAT 5643 Dpa inelastic (mt51-91) 56-Ba-136
 Cross Section -100.0 To 237.2 %



MAT 5643 Dpa disappearance (mt102 -120) 56-Ba-136
 Cross Section -99.85 To 9999. %

