

Program Complot  
(Version 2018-1)

by

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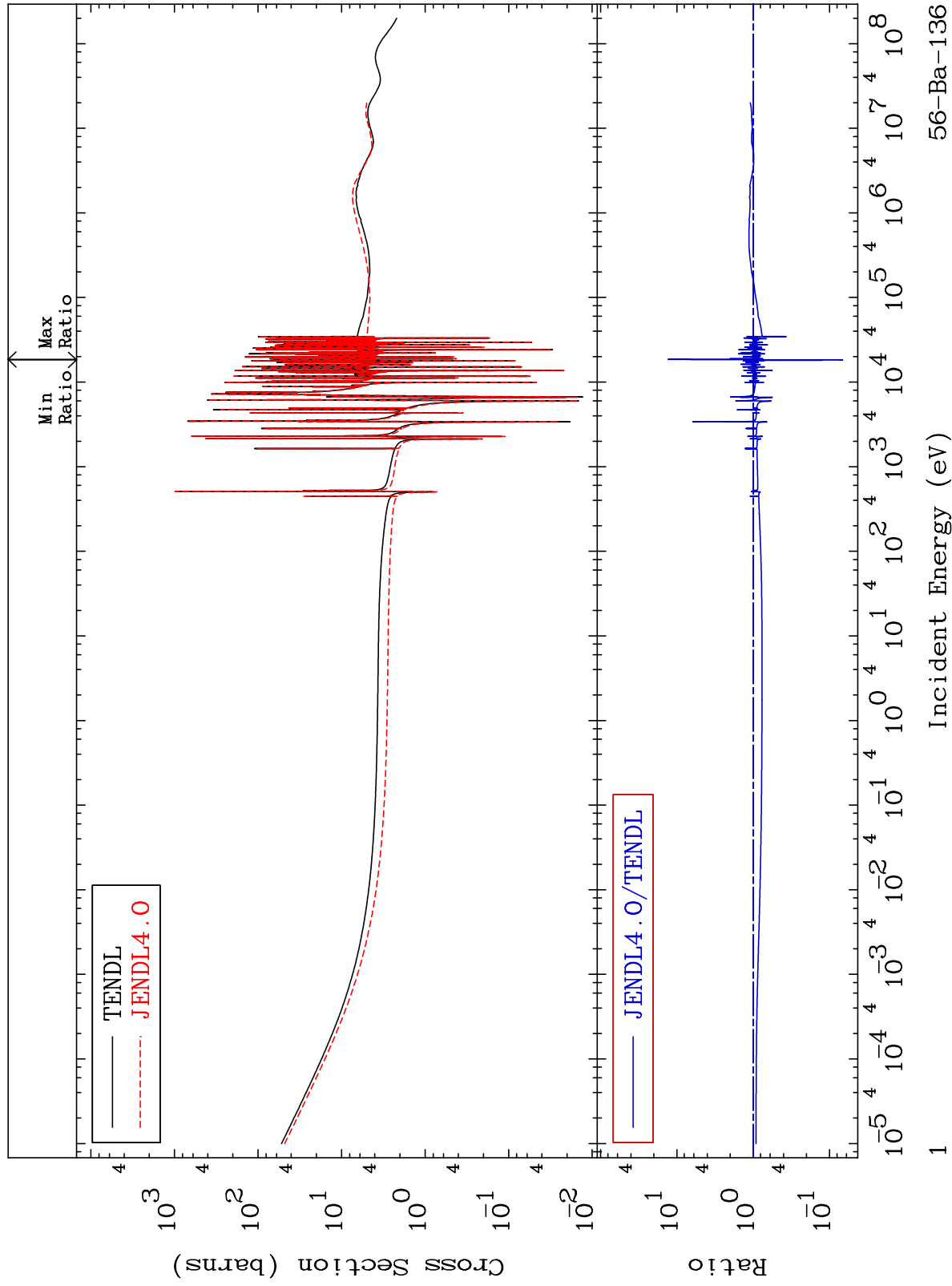
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5643

Total  
Cross Section

56-Ba-136  
-93.30 To 1206. %



Incident Energy (eV)

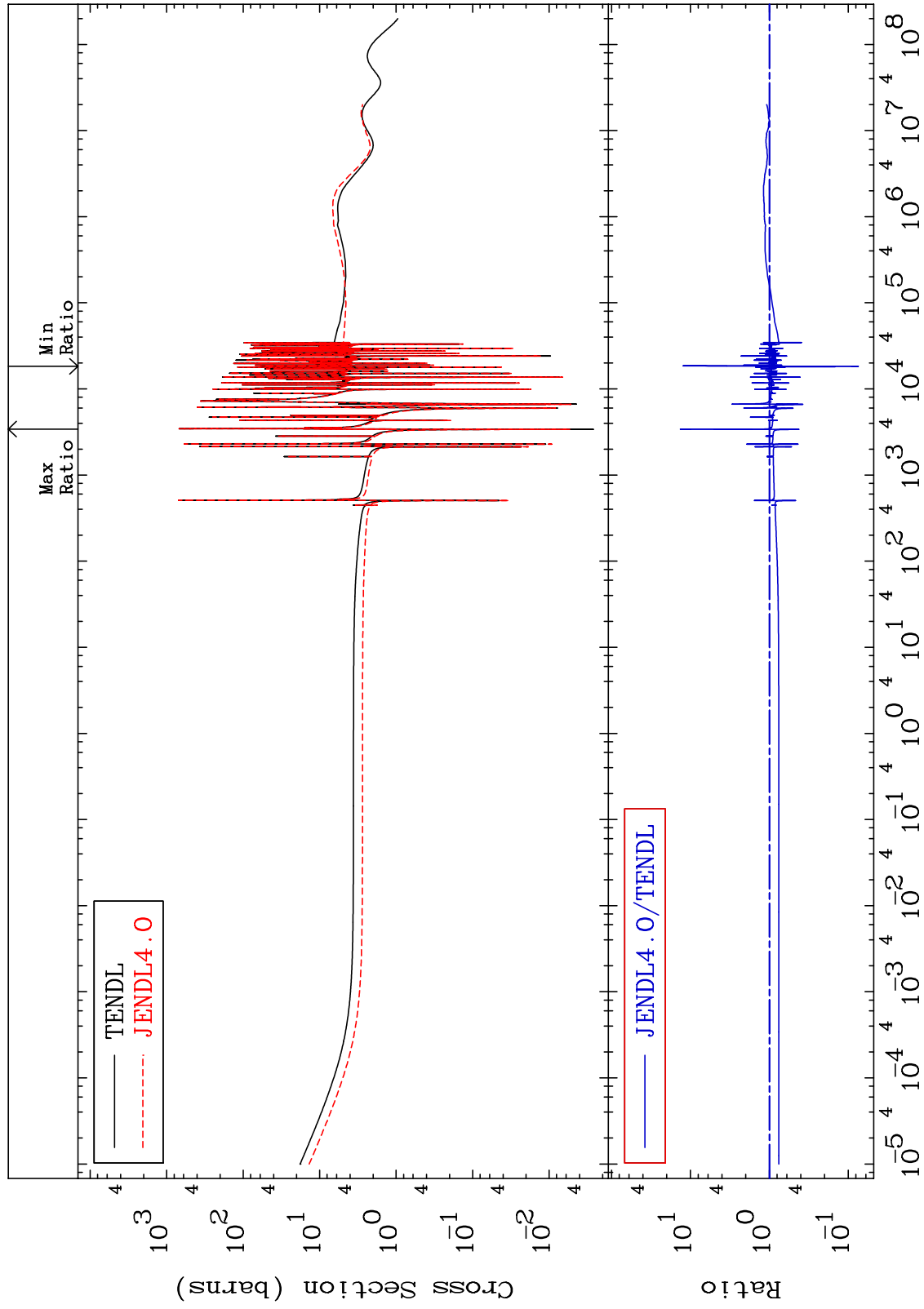
56-Ba-136

1

MAT 5643

Elastic  
Cross Section

56-Ba-136  
-92.58 To 1241. %



Incident Energy (eV)

56-Ba-136

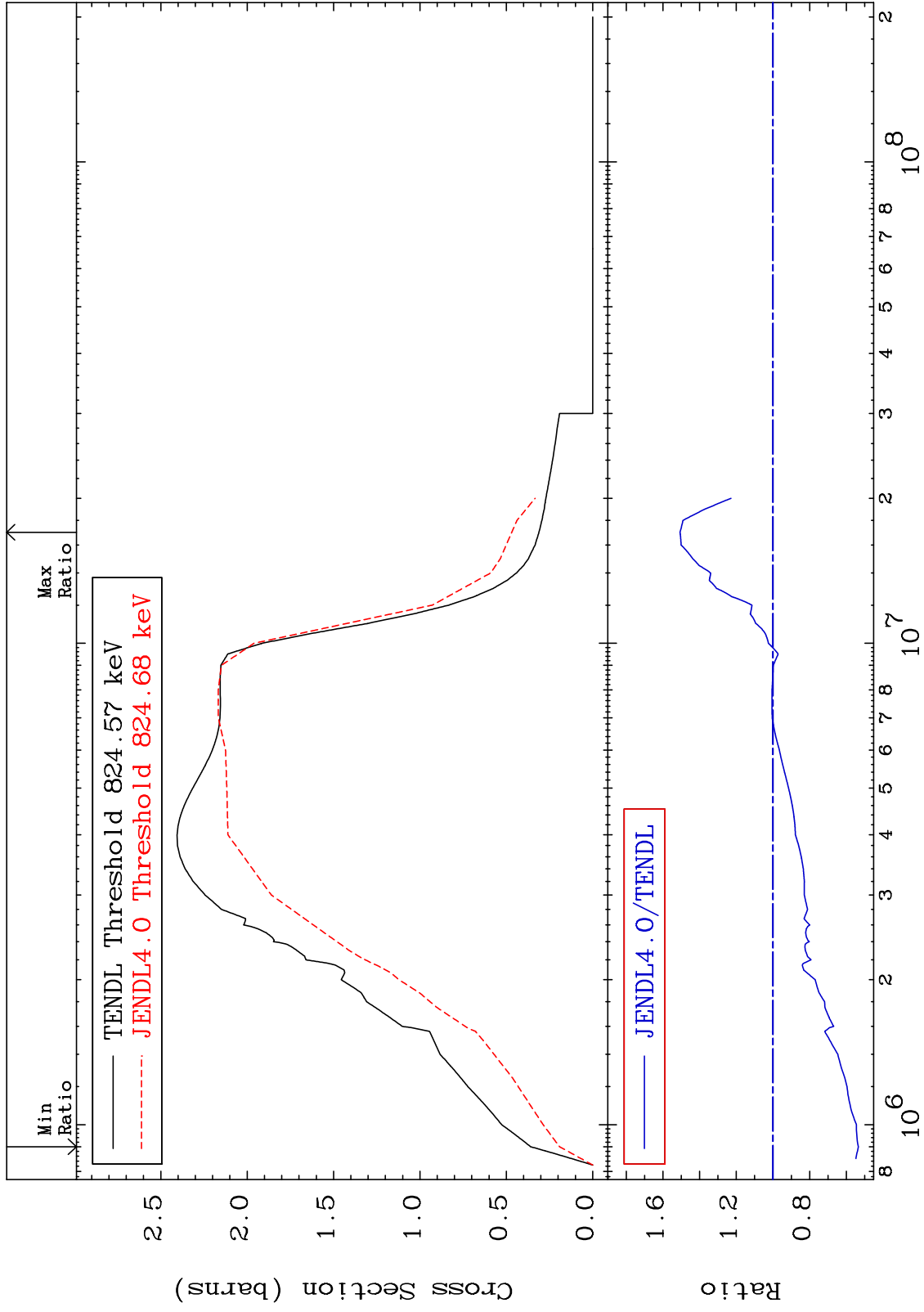
MAT 5643

Inelastic

56-Ba-136

Cross Section

-46.58 To 50.67 %



Incident Energy (eV)

56-Ba-136

3

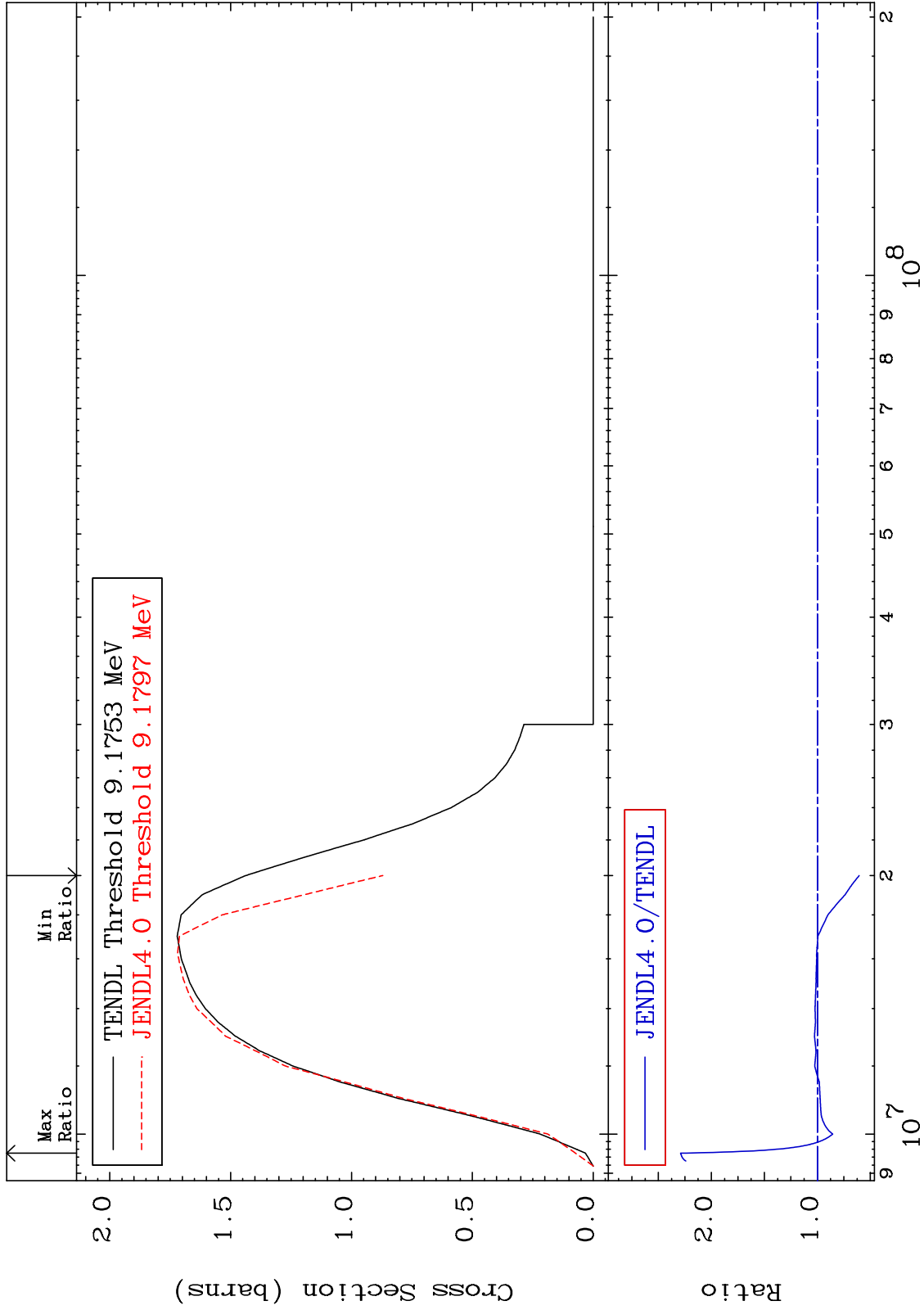
MAT 5643

(n, 2n)

56-Ba-136

Cross Section

-39.44 To 129.0 %



56-Ba-136

Incident Energy (eV)

4

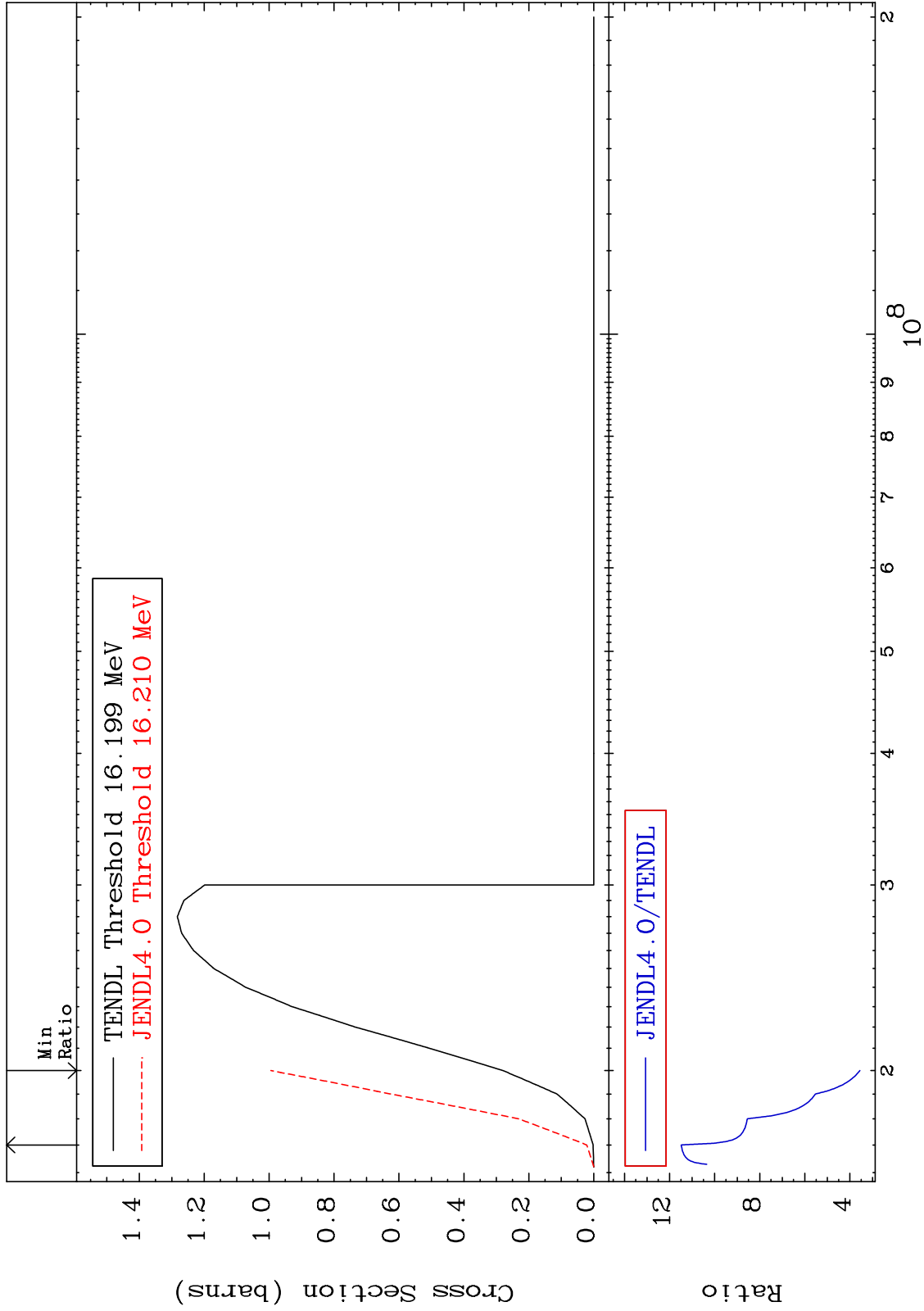
MAT 5643

(n, 3n)

56-Ba-136

Cross Section

255.6 To 1048. %



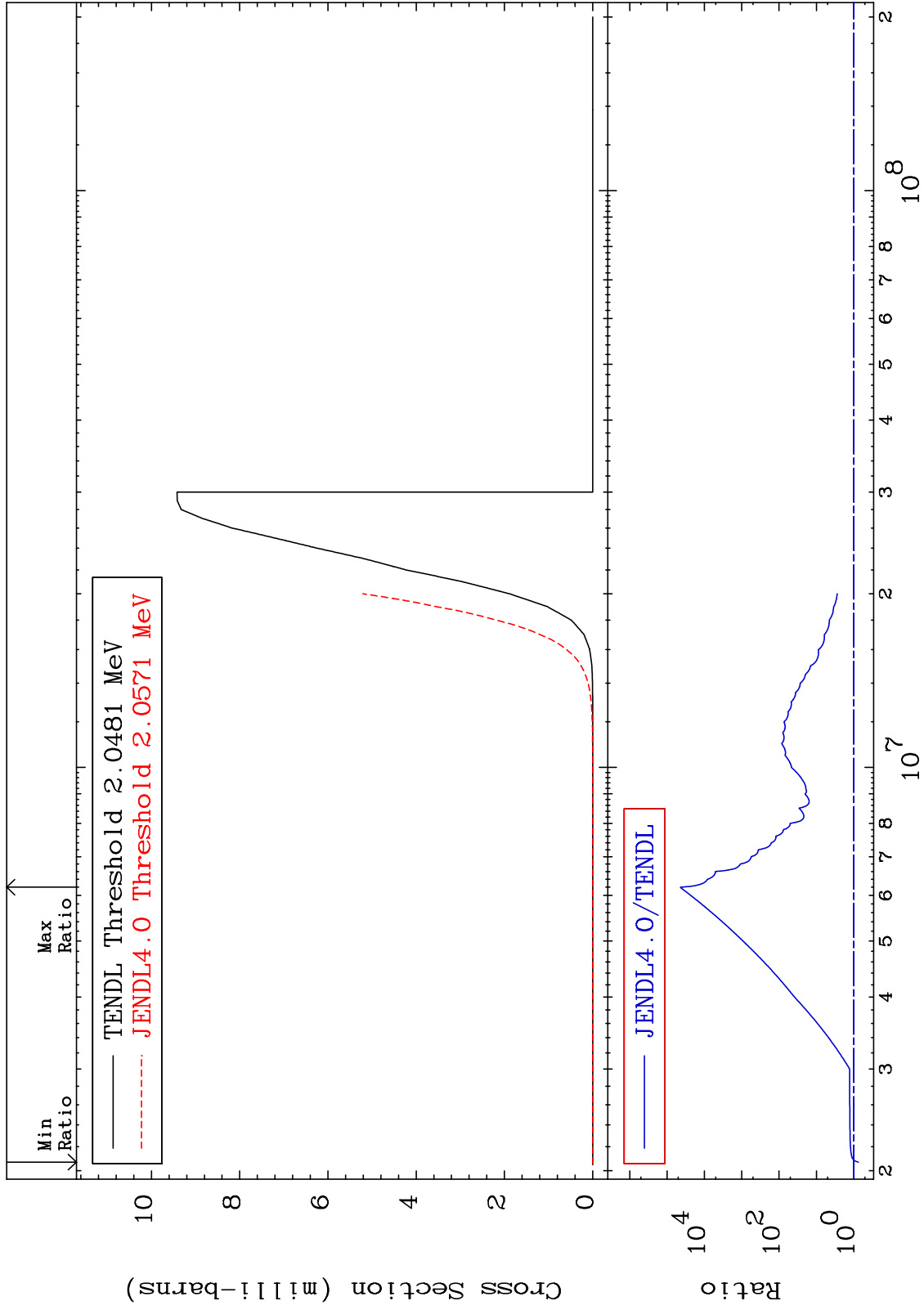
MAT 5643

(n,n')  $\alpha$

56-Ba-136

-25.09 To 9999. %

Cross Section



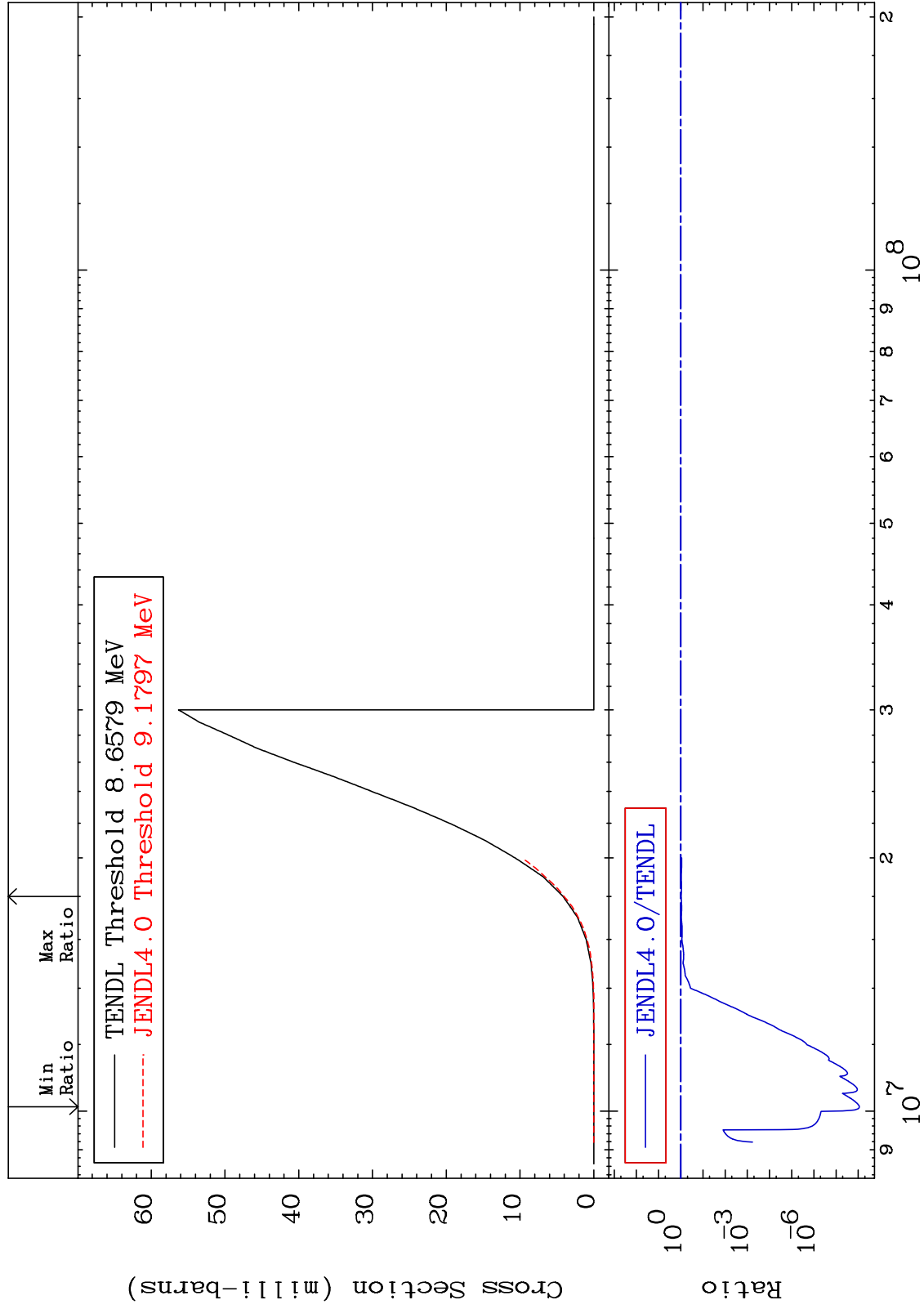
MAT 5643

(n,n') p

56-Ba-136

Cross Section

-100.0 To -2.954%



Incident Energy (eV)

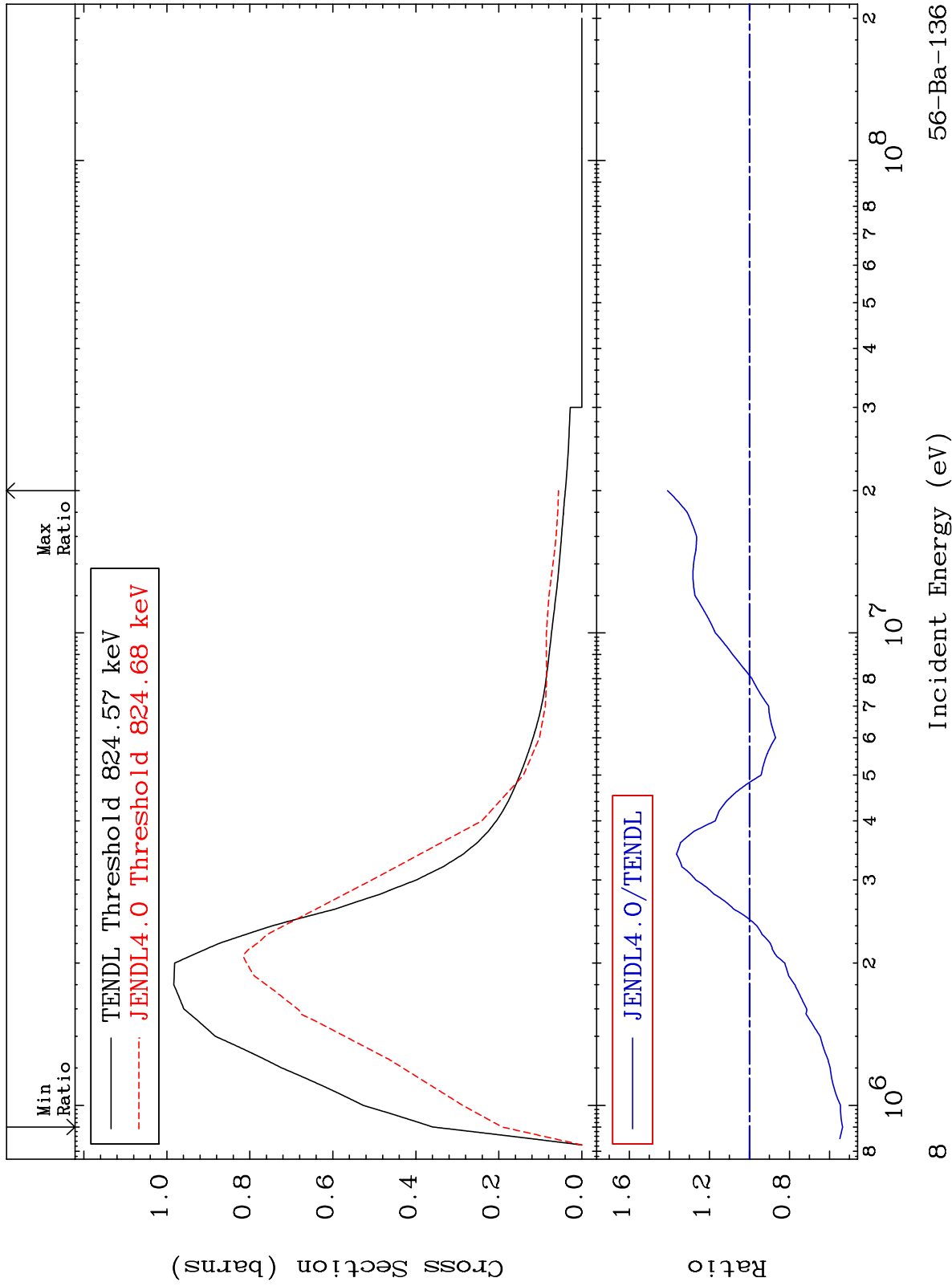
56-Ba-136



MAT 5643

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

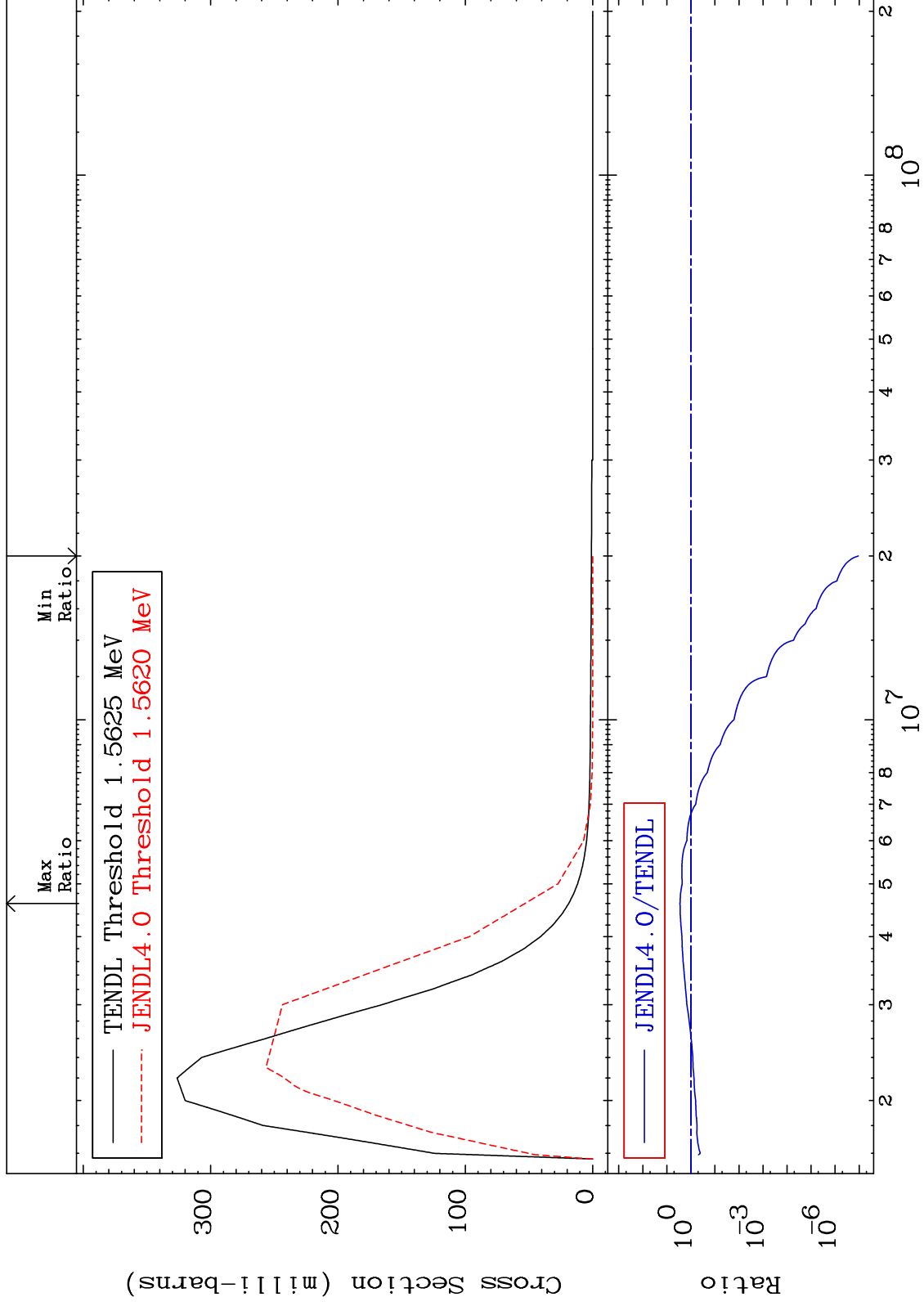
56-Ba-136  
-46.58 To 40.89 %



MAT 5643

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

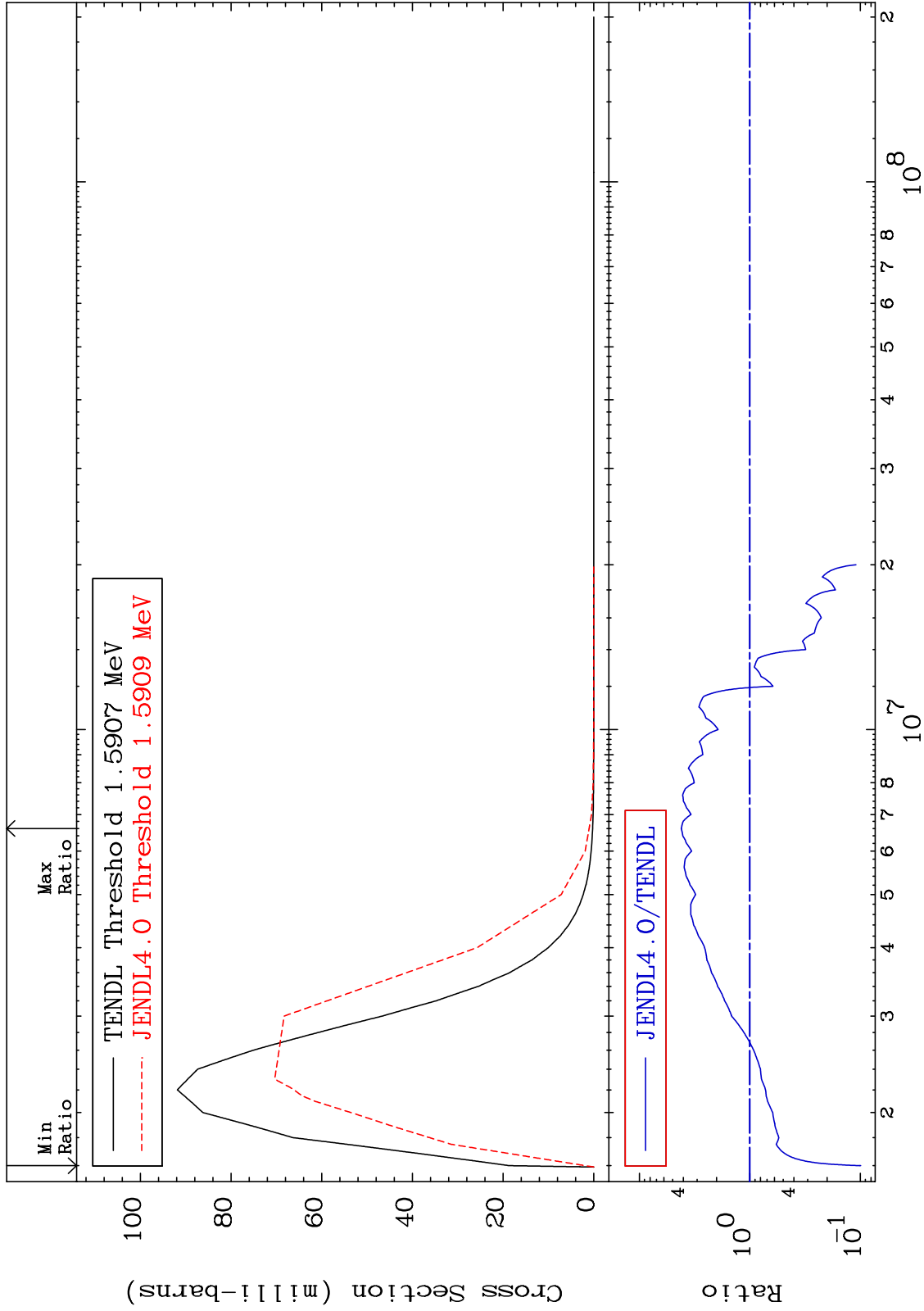
56-Ba-136  
-100.0 To 183.0 %



MAT 5643

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

56-Ba-136  
-89.92 To 318.1 %

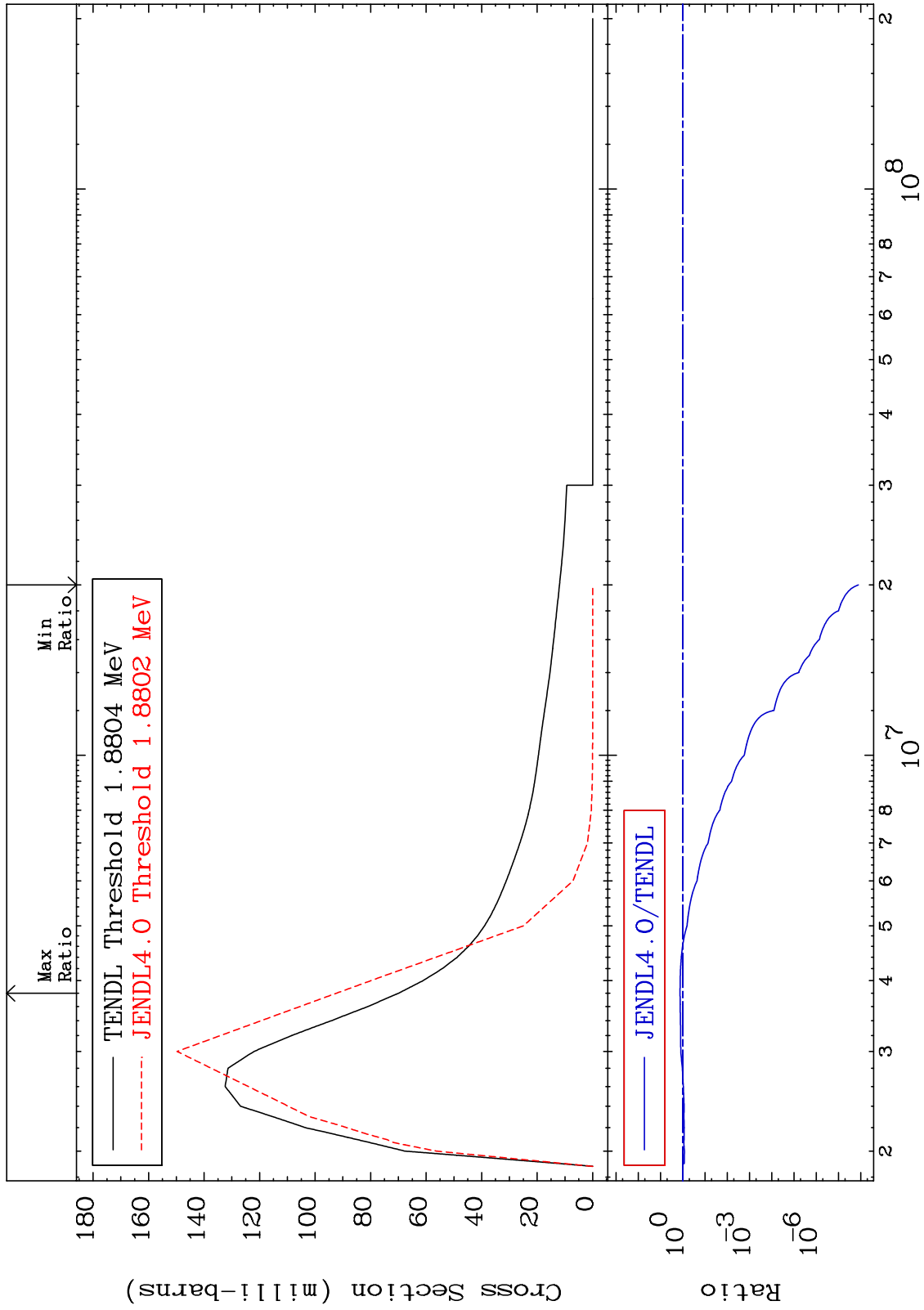


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Incident Energy (eV)

56-Ba-136

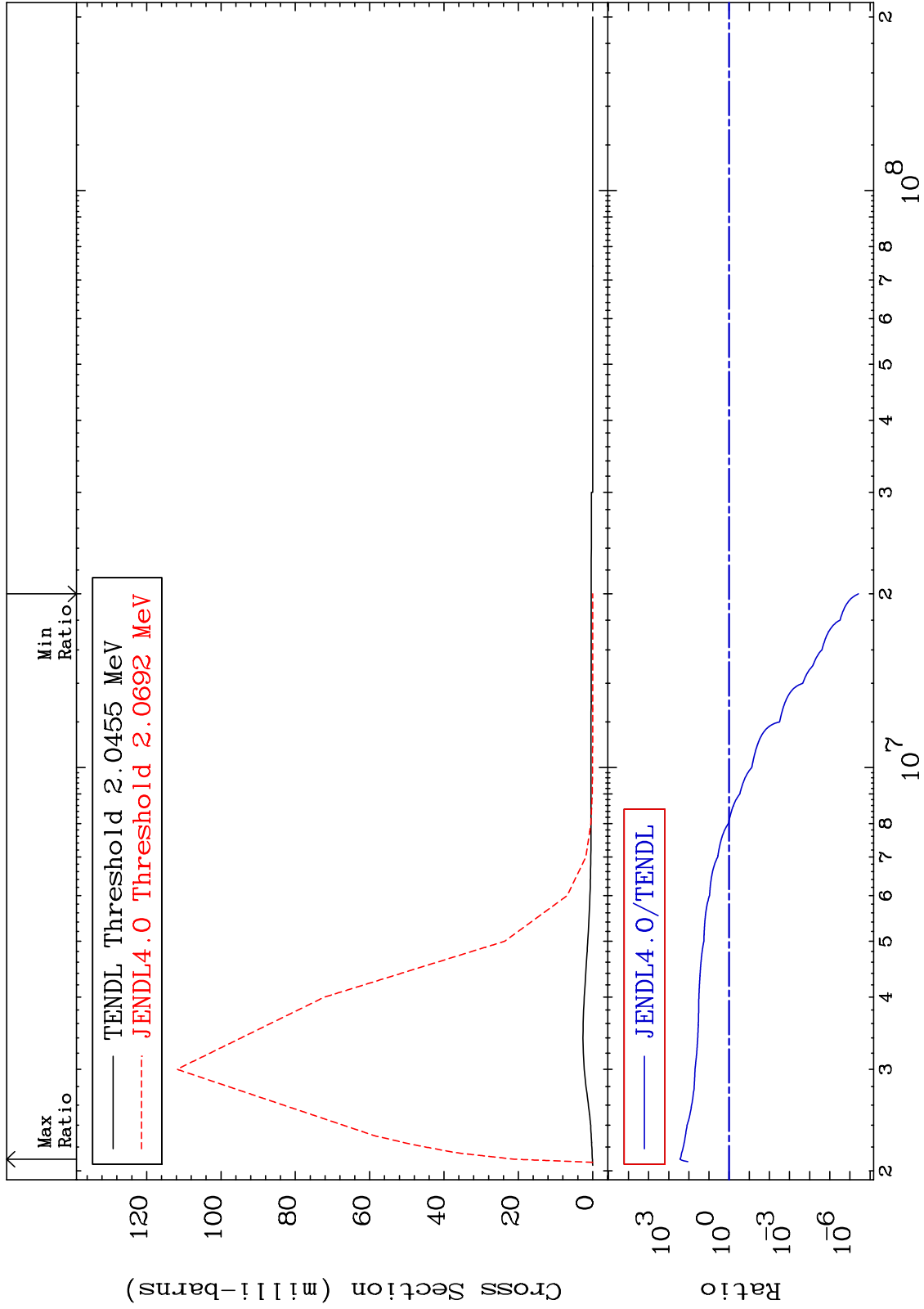
MAT 5643 MT= 54 (n,n') Level Cross Section 56-Ba-136  
 -100.0 To 32.07 %



MAT 5643

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

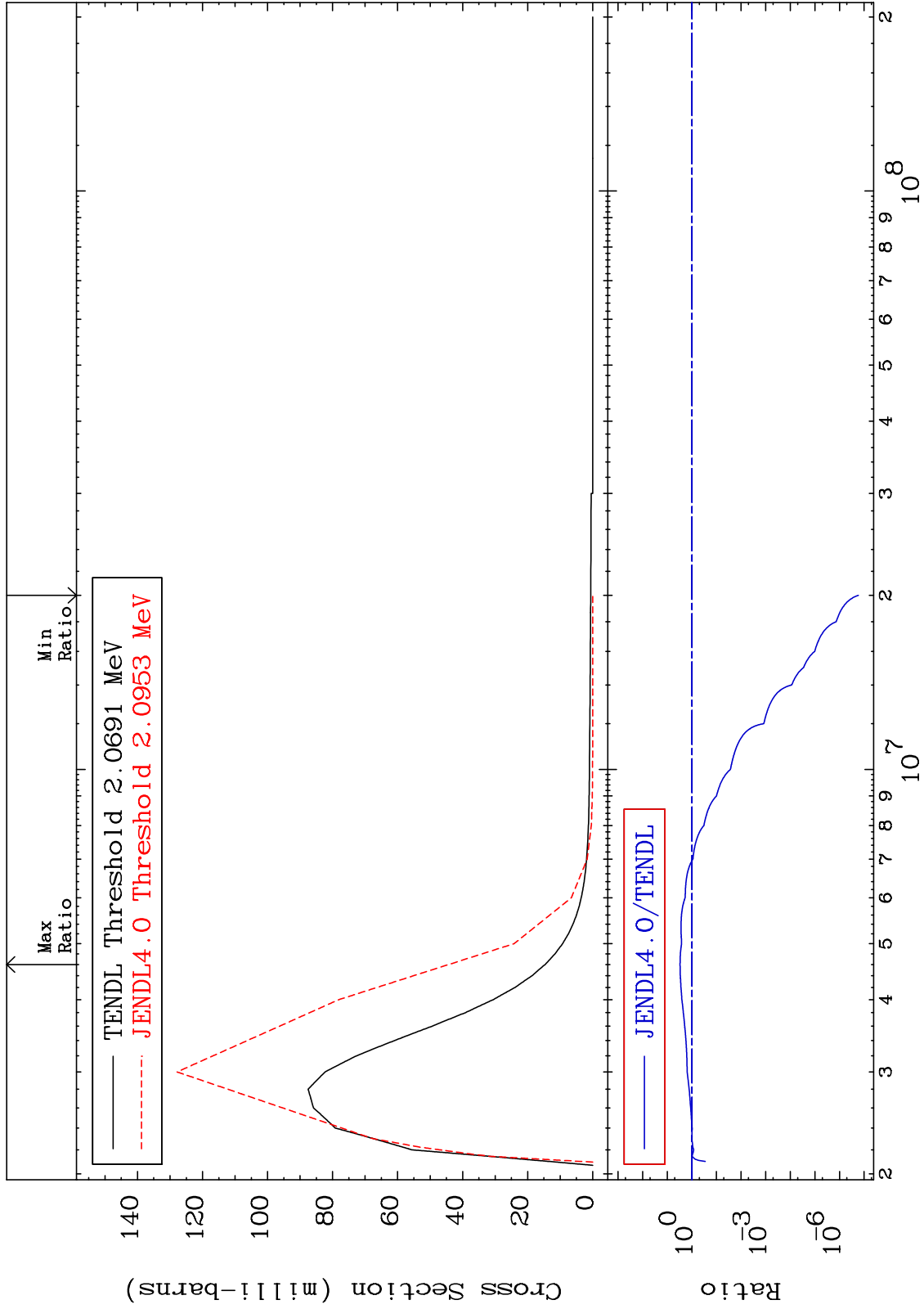
56-Ba-136  
-100.0 To 9999. %



MAT 5643

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

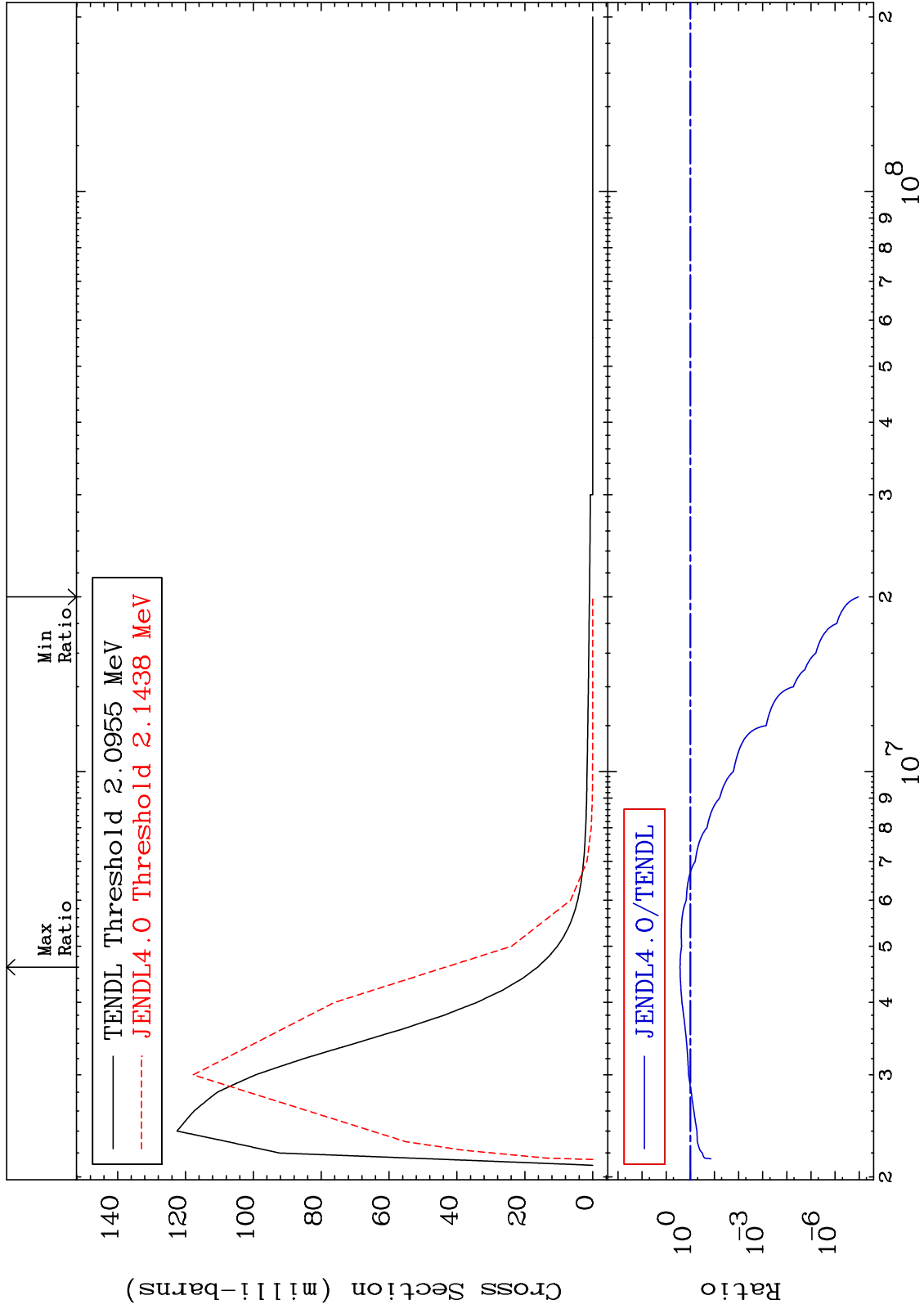
56-Ba-136  
-100.0 To 202.5 %



MAT 5643

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

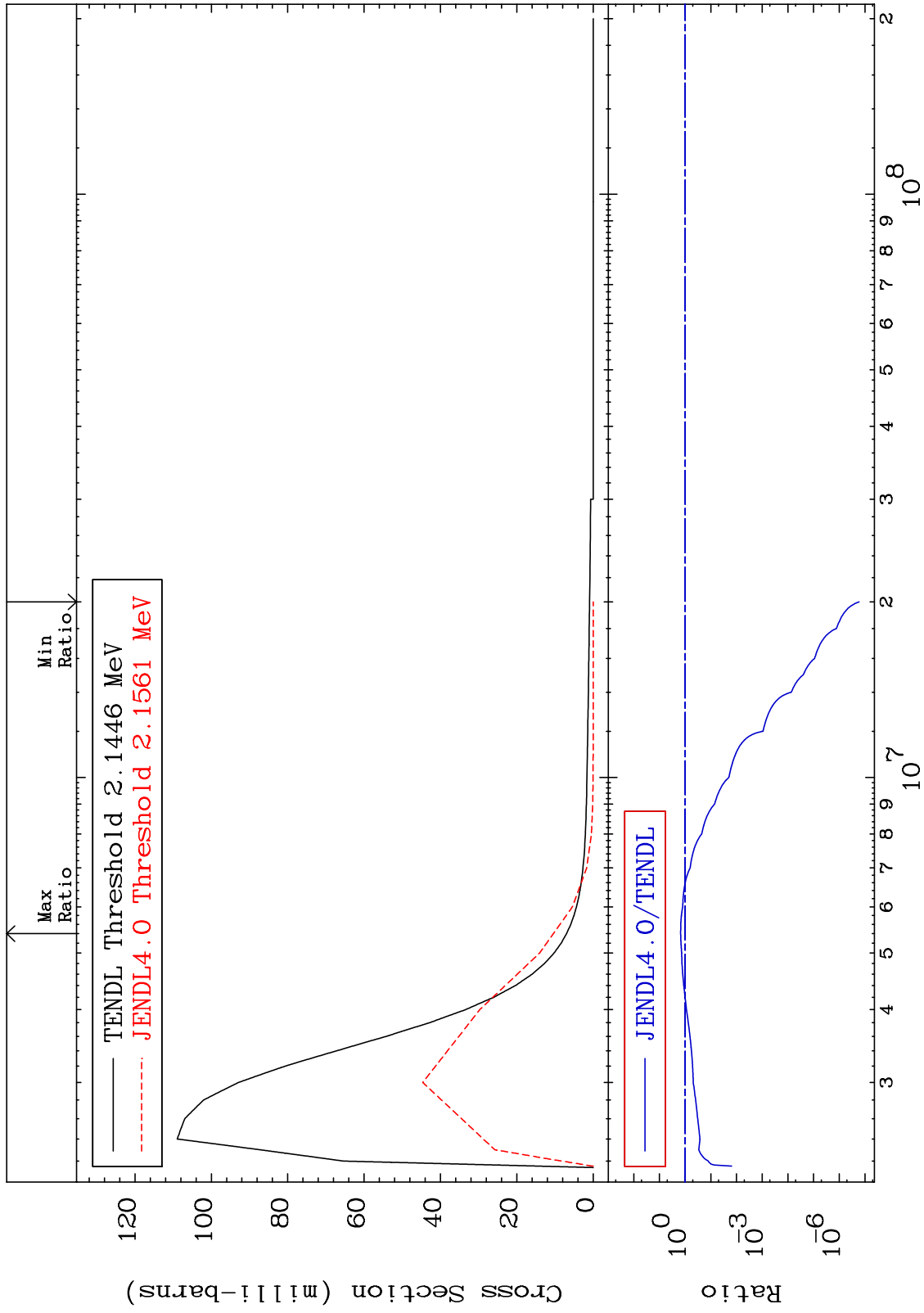
56-Ba-136  
-100.0 To 167.1 %



MAT 5643

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

56-Ba-136  
-100.0 To 49.58 %

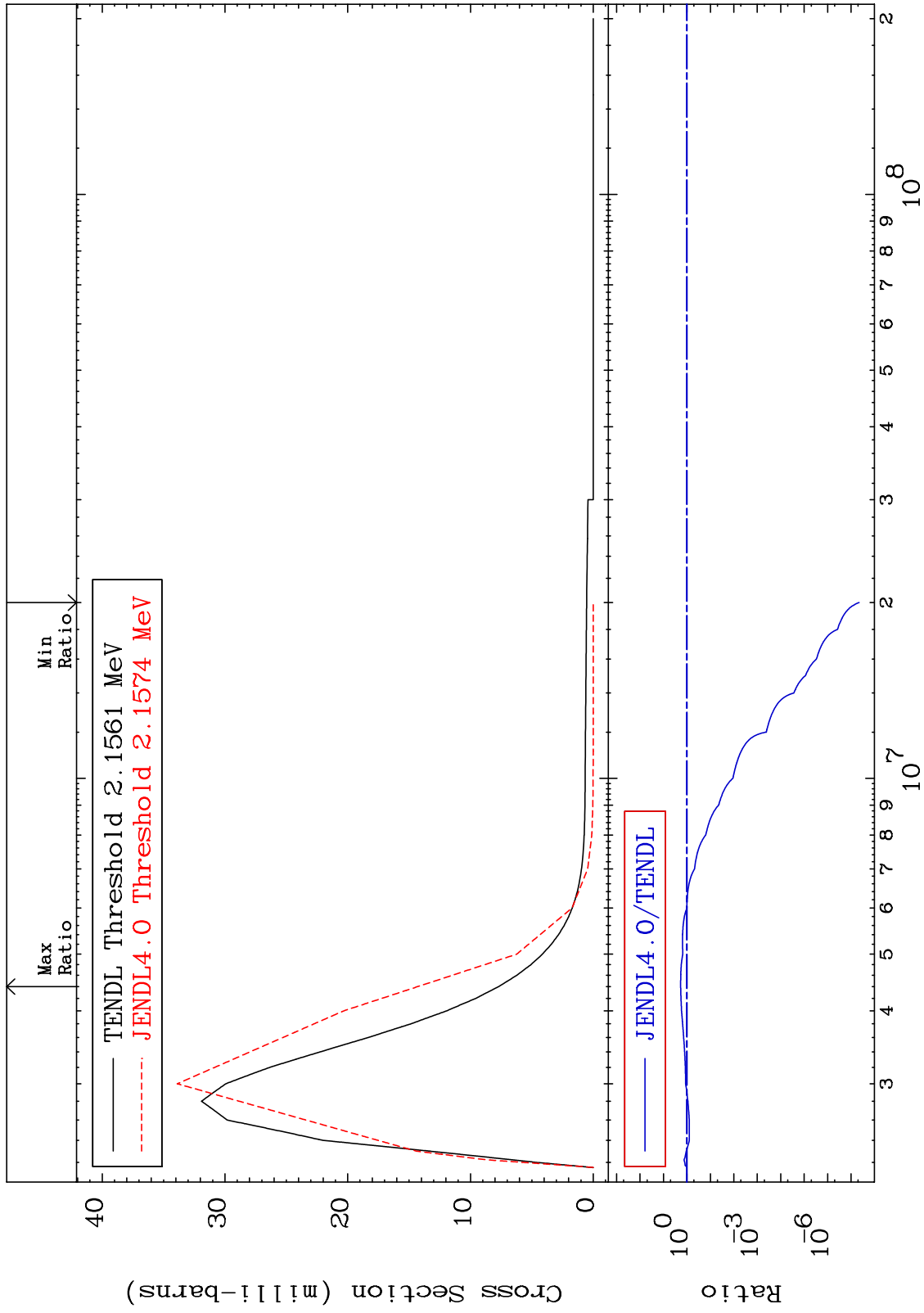




MAT 5643

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

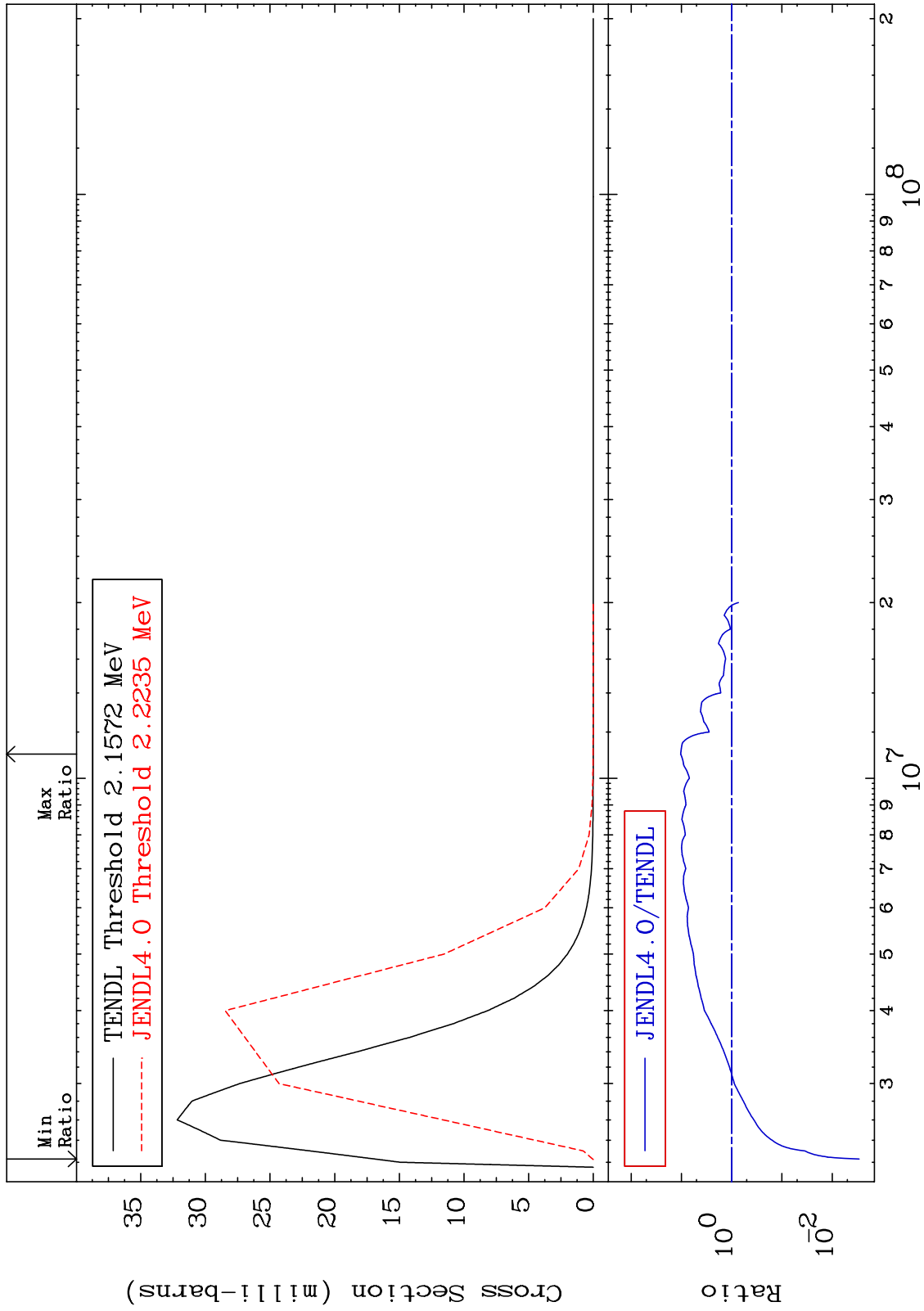
56-Ba-136  
-100.0 To 85.61 %



MAT 5643

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

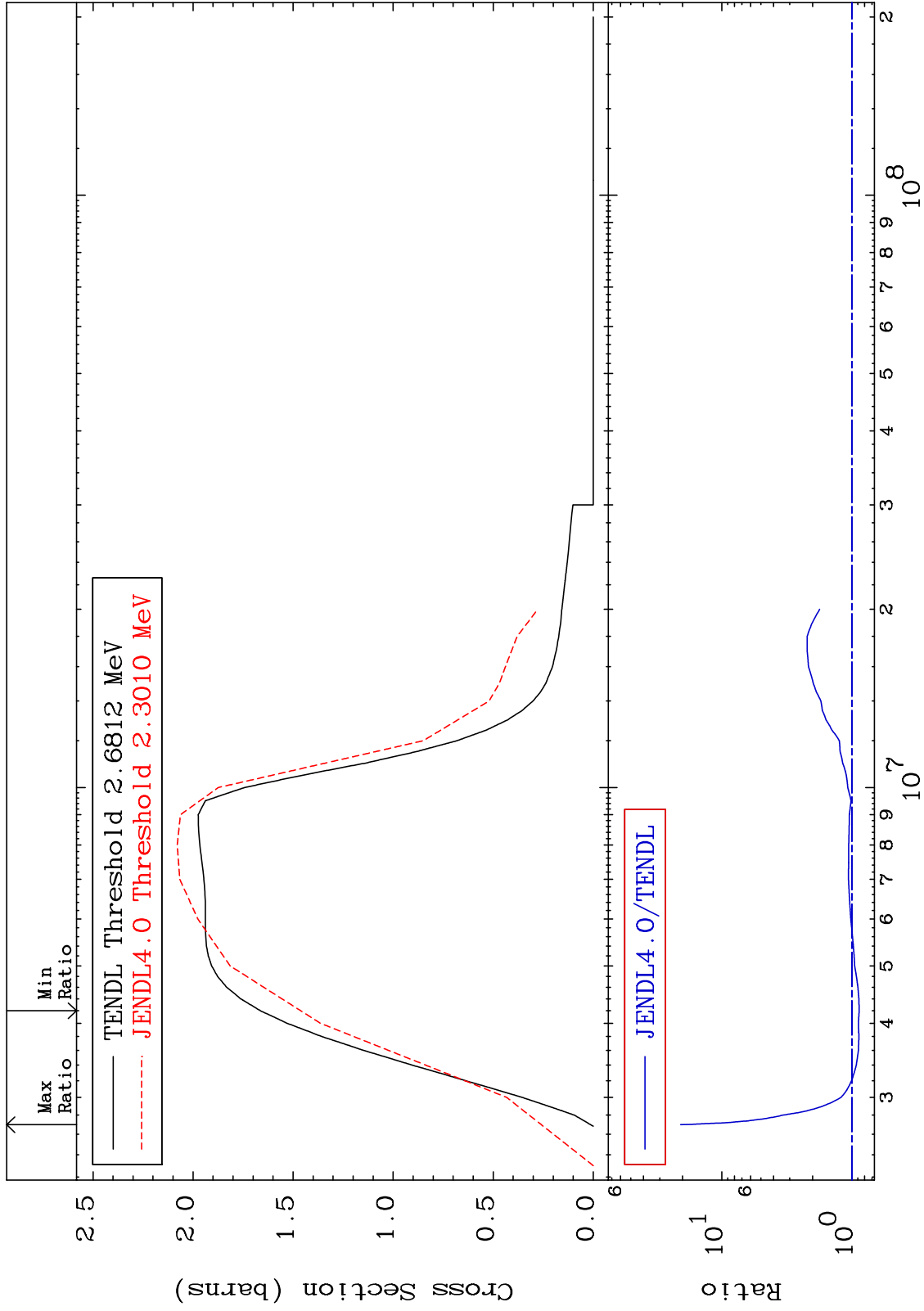
56-Ba-136  
-99.71 To 937.2 %



MAT 5643

(n, n') Continuum  
Cross Section

56-Ba-136  
-12.13 To 1972. %



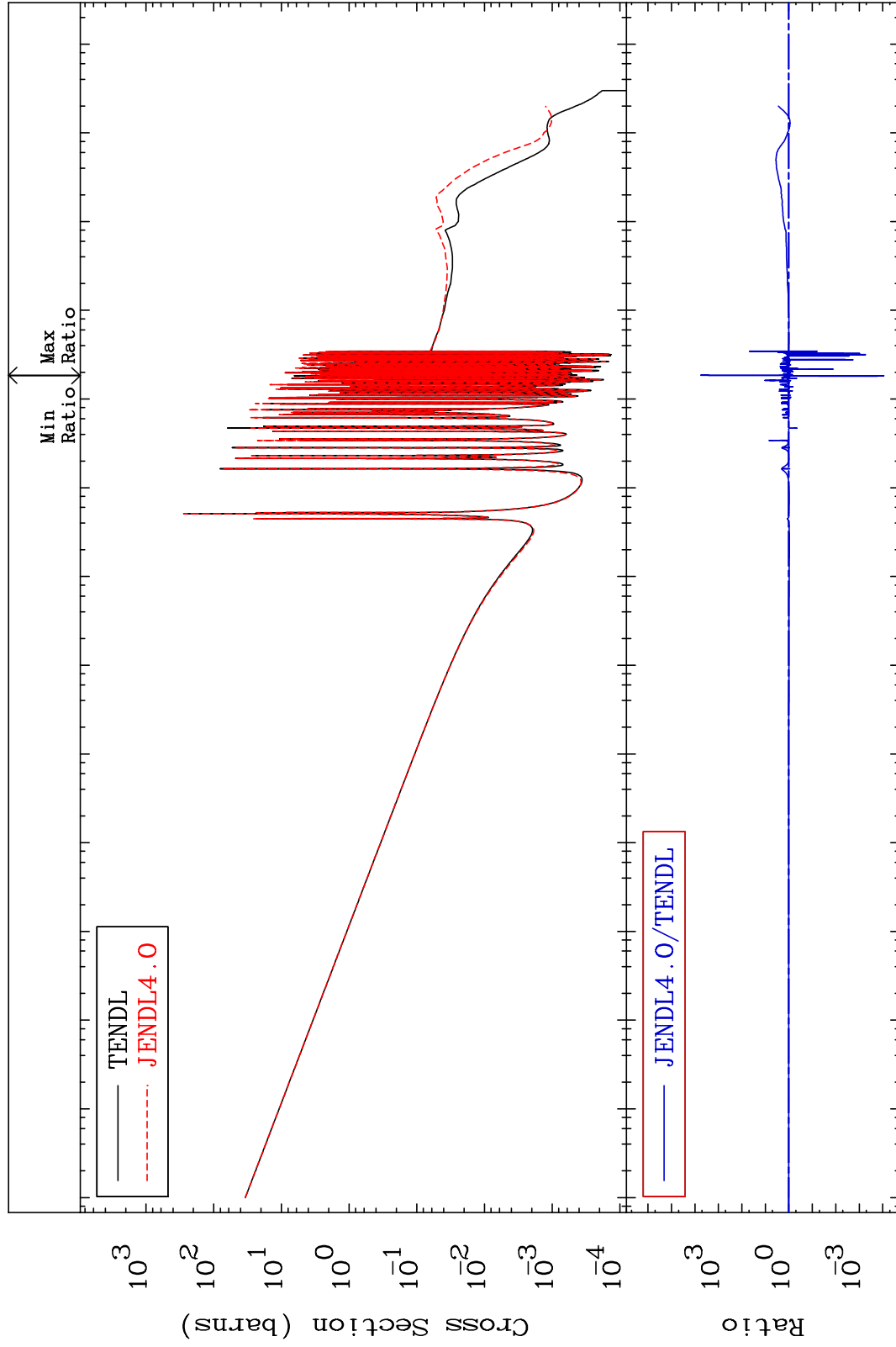
MAT 5643

(n,  $\gamma$ )

56-Ba-136

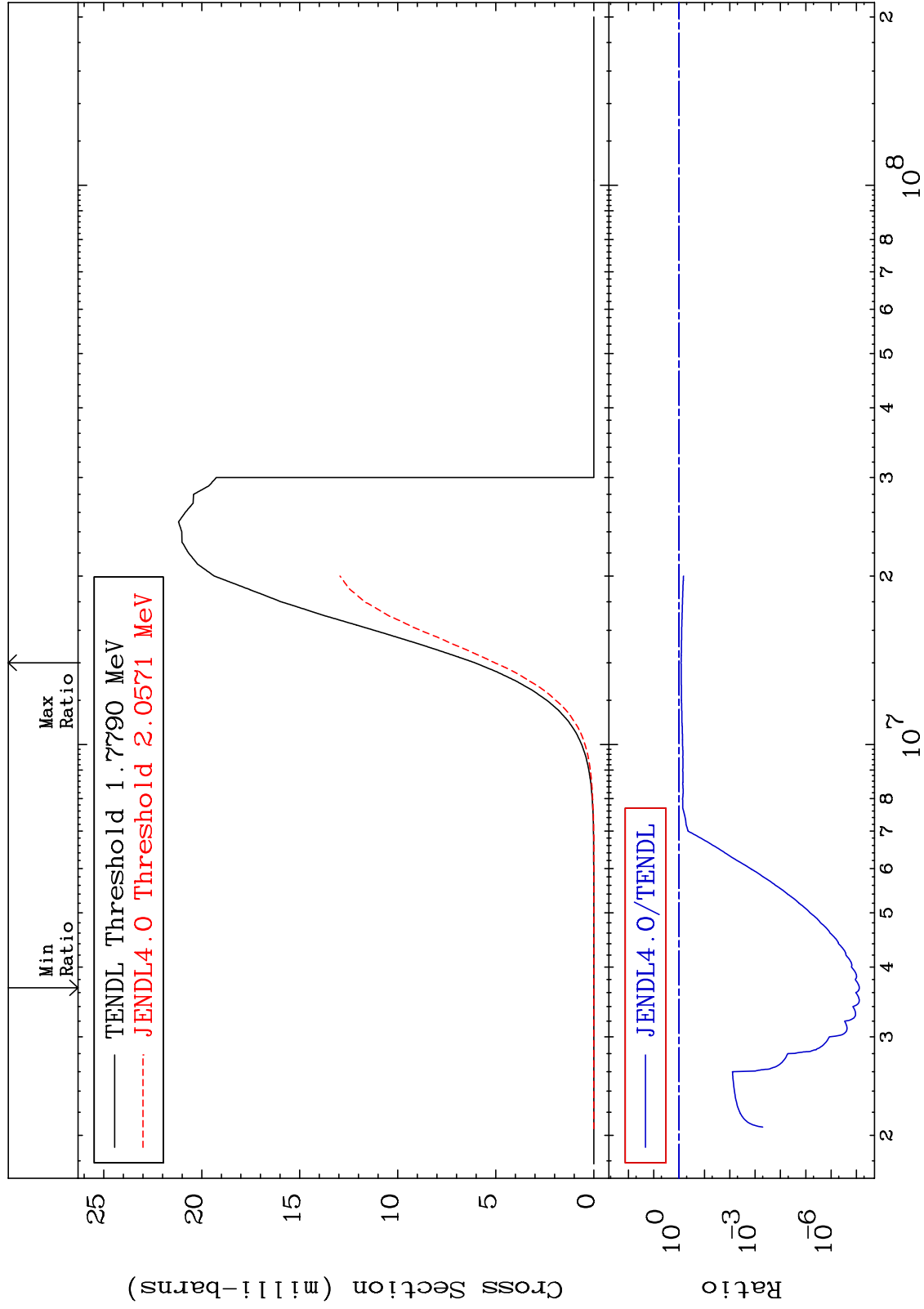
Cross Section

-99.99 To 9999. %



MAT 5643

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



20

Incident Energy (eV)

56-Ba-136

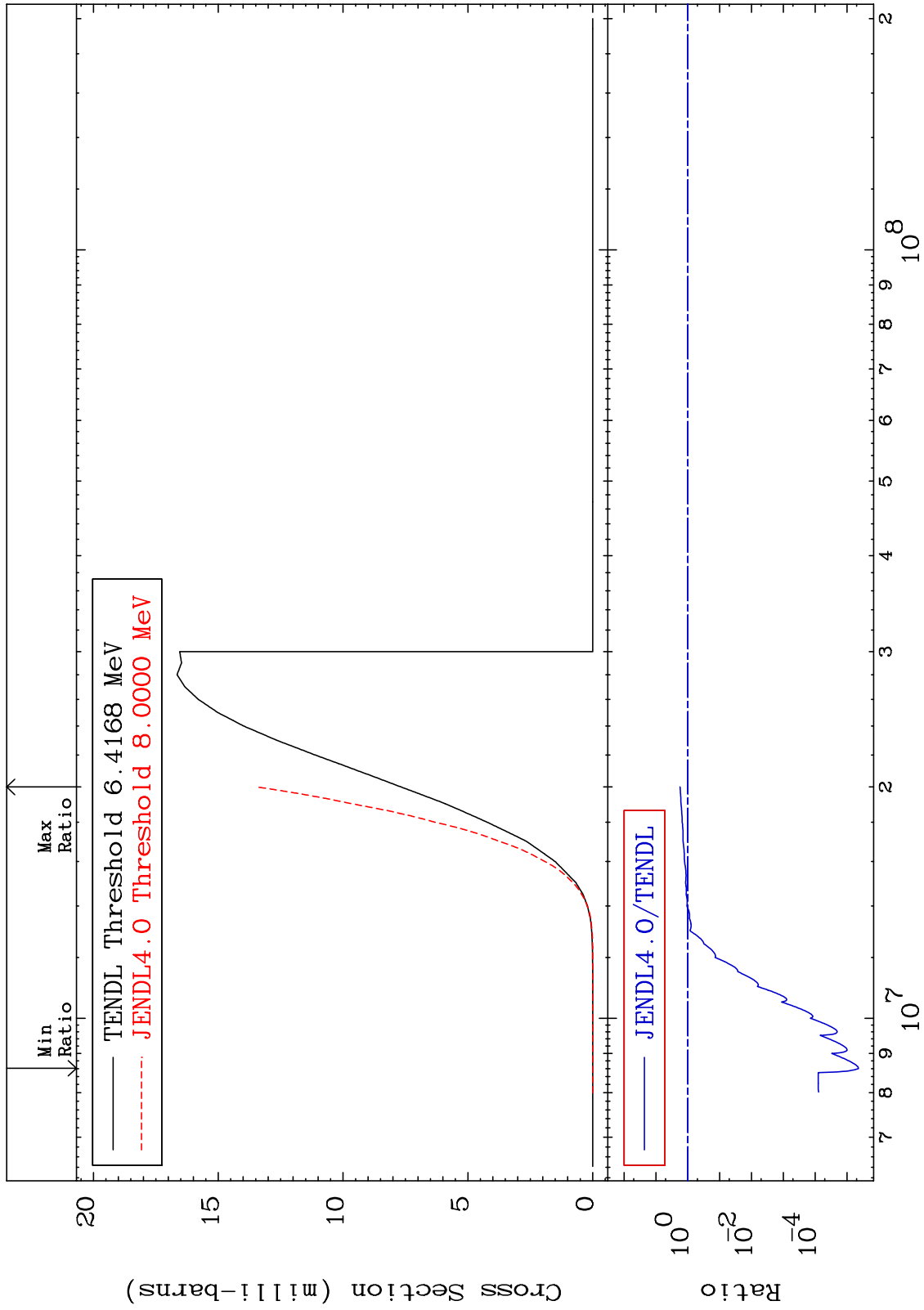
MAT 5643

(n, d)

56-Ba-136

Cross Section

-100.0 To 75.14 %



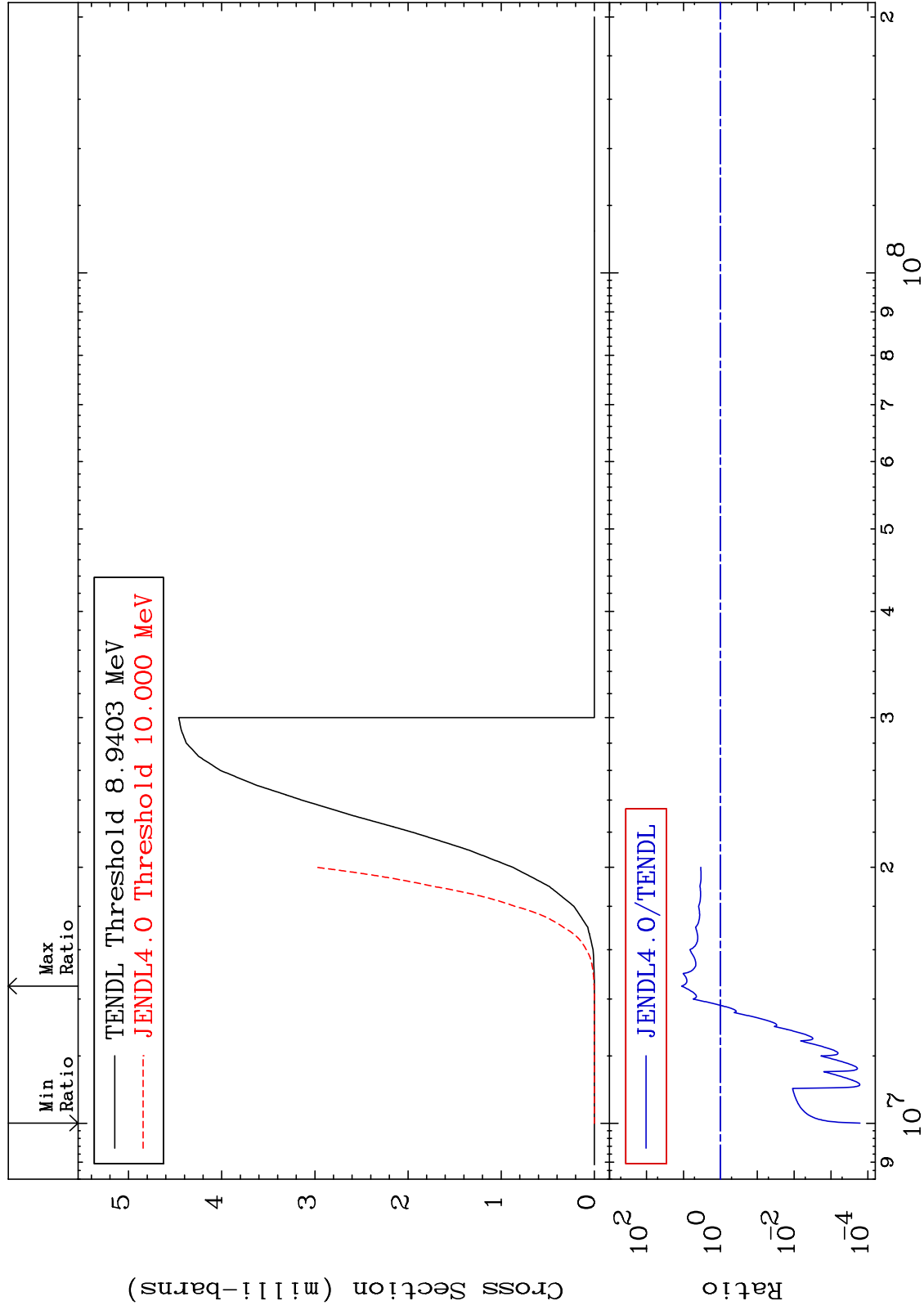
MAT 5643

(n, t)

56-Ba-136

Cross Section

-99.98 To 1019. %



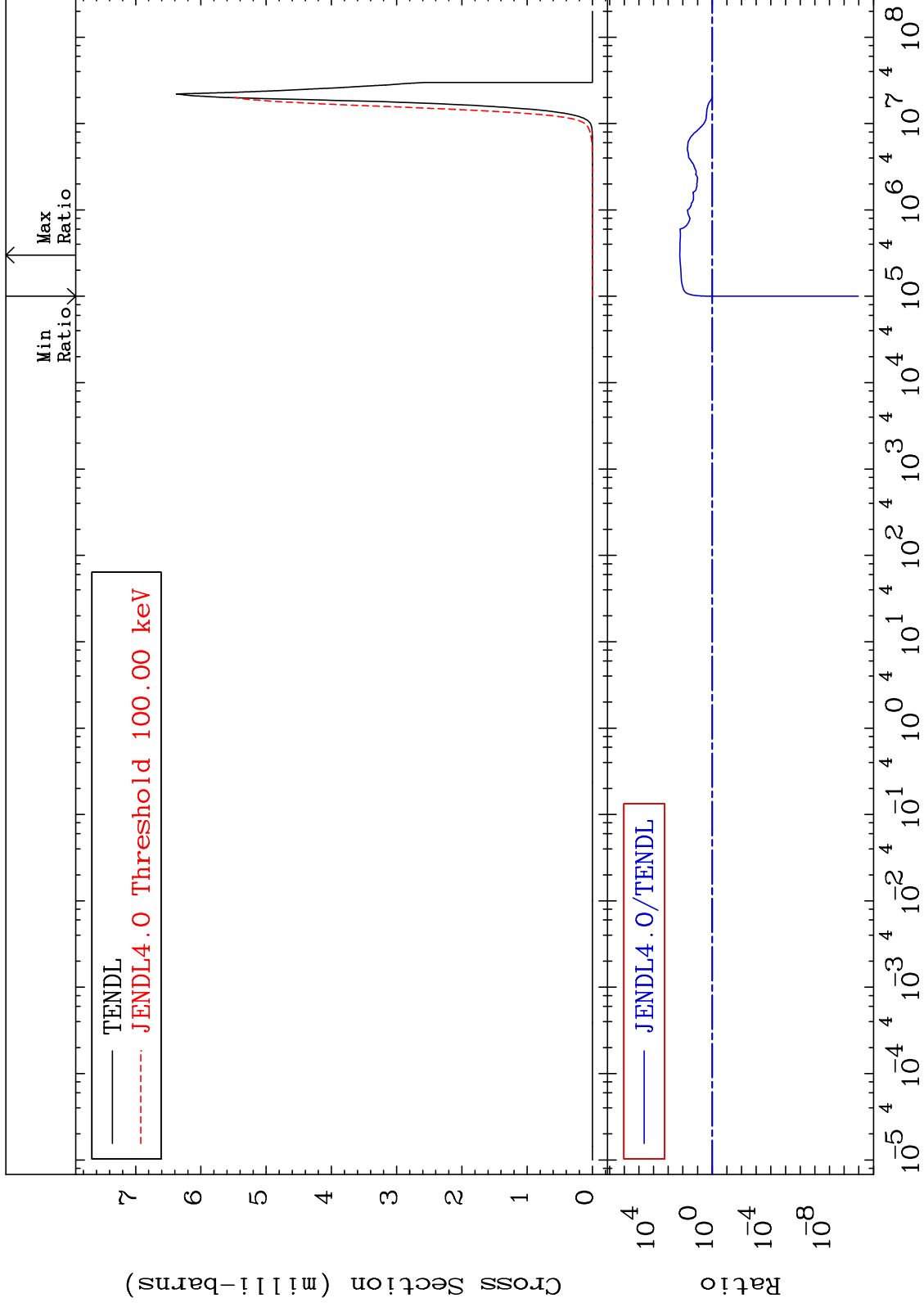
MAT 5643

(n,  $\alpha$ )

56-Ba-136

Cross Section

-100.0 To 9999. %



23

Incident Energy (eV)

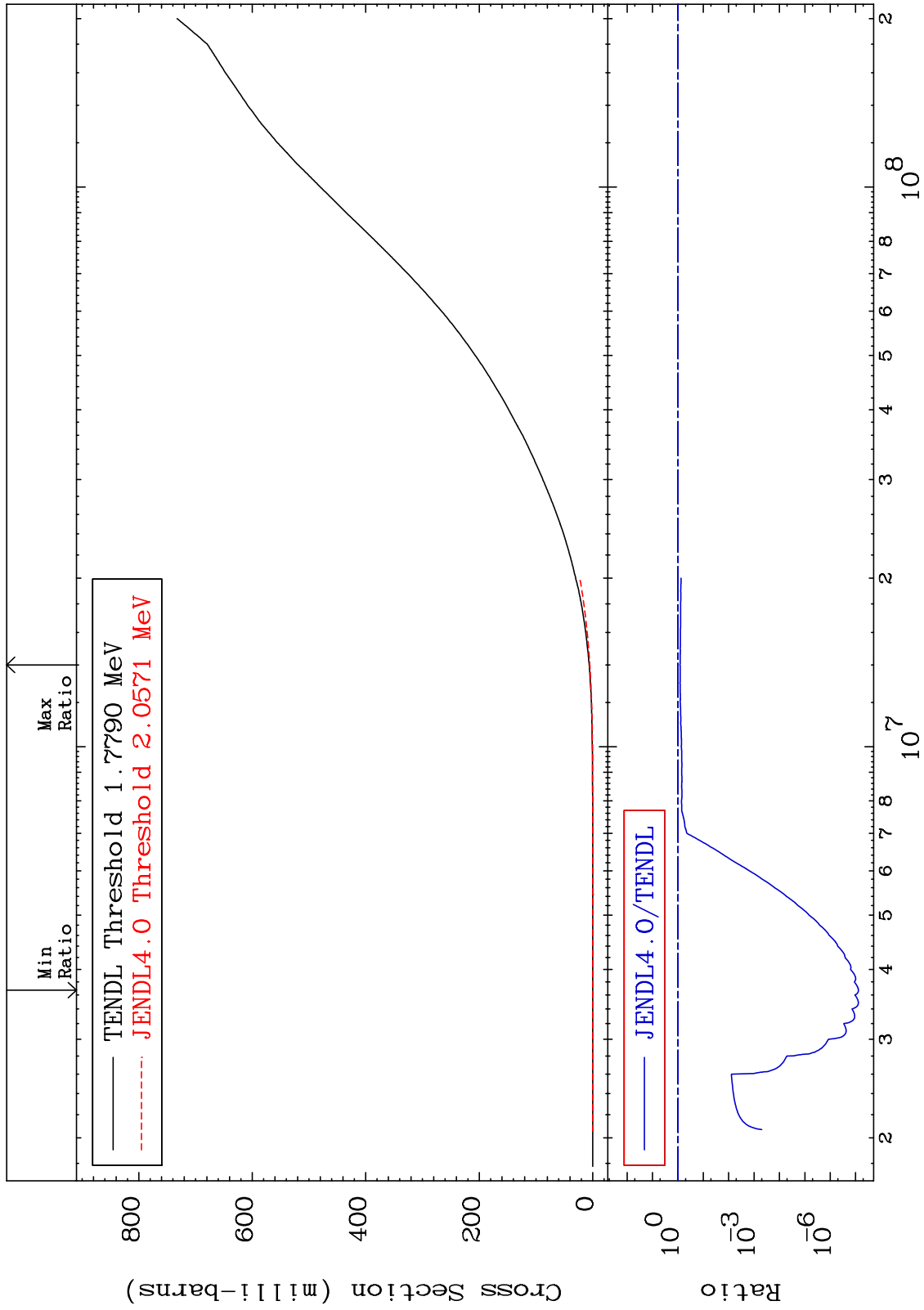
56-Ba-136



MAT 5643

Hydrogen Production  
Cross Section

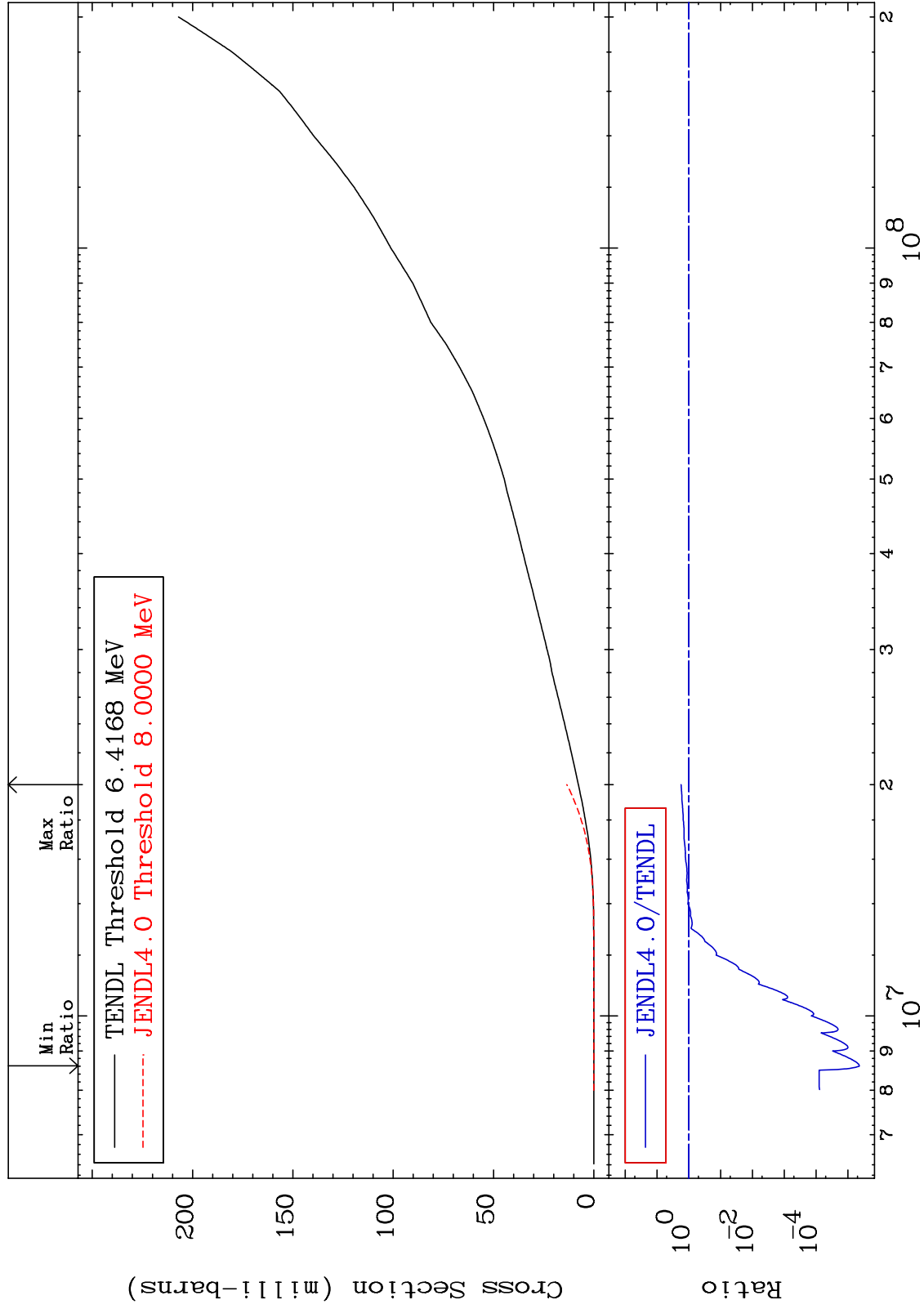
56-Ba-136  
-100.0 To -17.40%



MAT 5643

Deuterium Production  
Cross Section

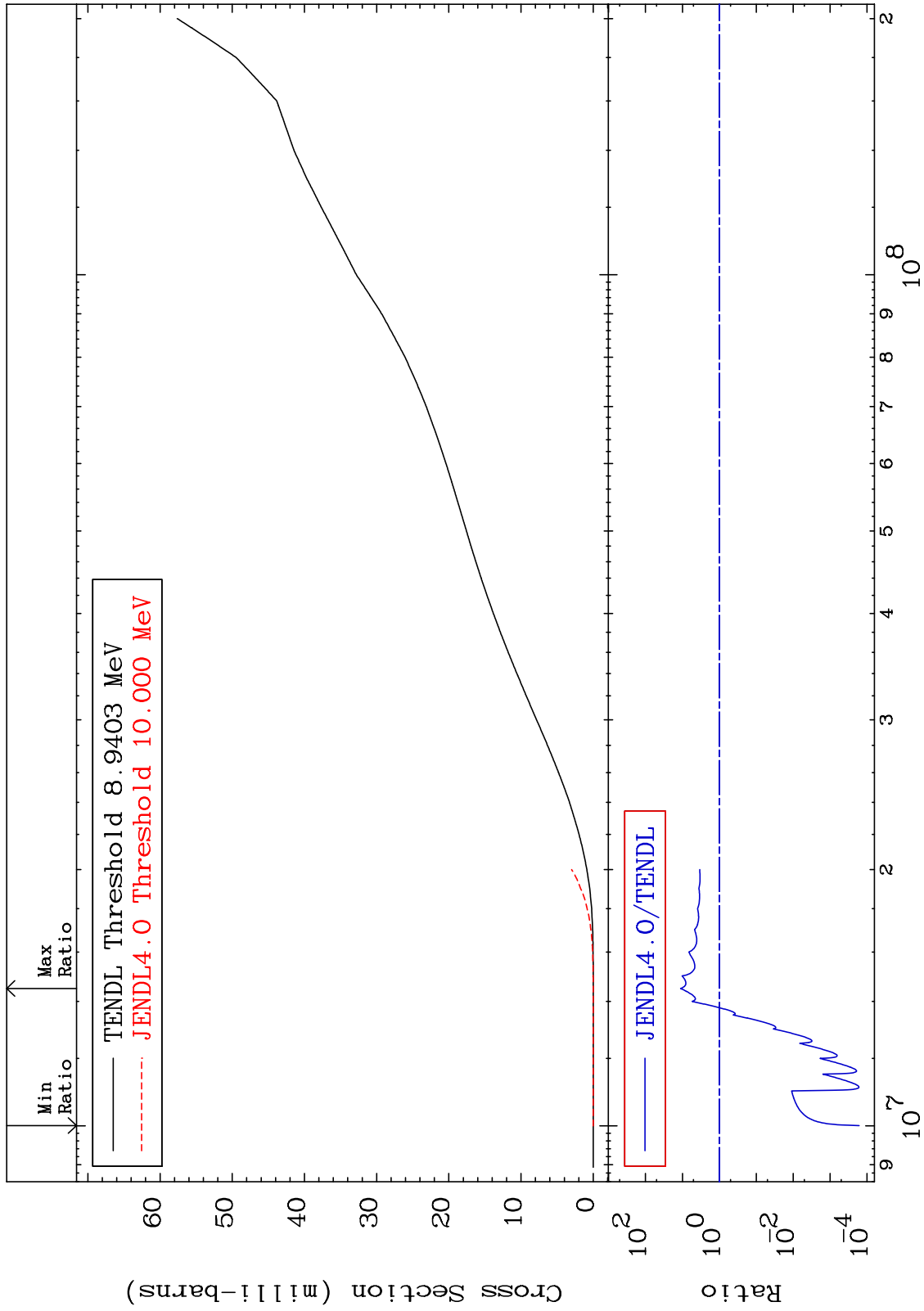
56-Ba-136  
-100.0 To 75.12 %



MAT 5643

Tritium Production  
Cross Section

56-Ba-136  
-99.98 To 1019. %



26

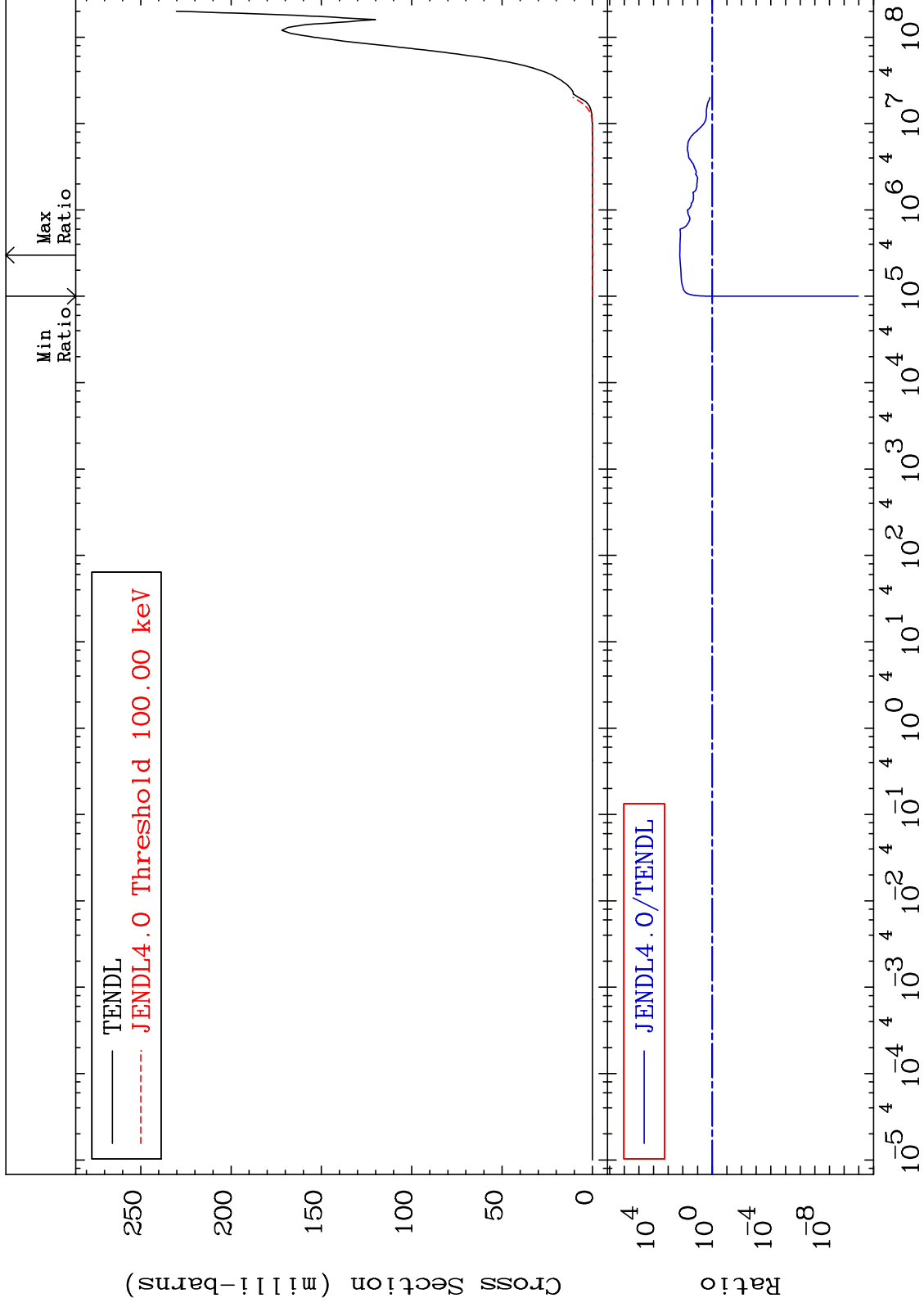
Incident Energy (eV)

56-Ba-136

MAT 5643

He-4 Production  
Cross Section

56-Ba-136  
-100.0 To 9999. %



27

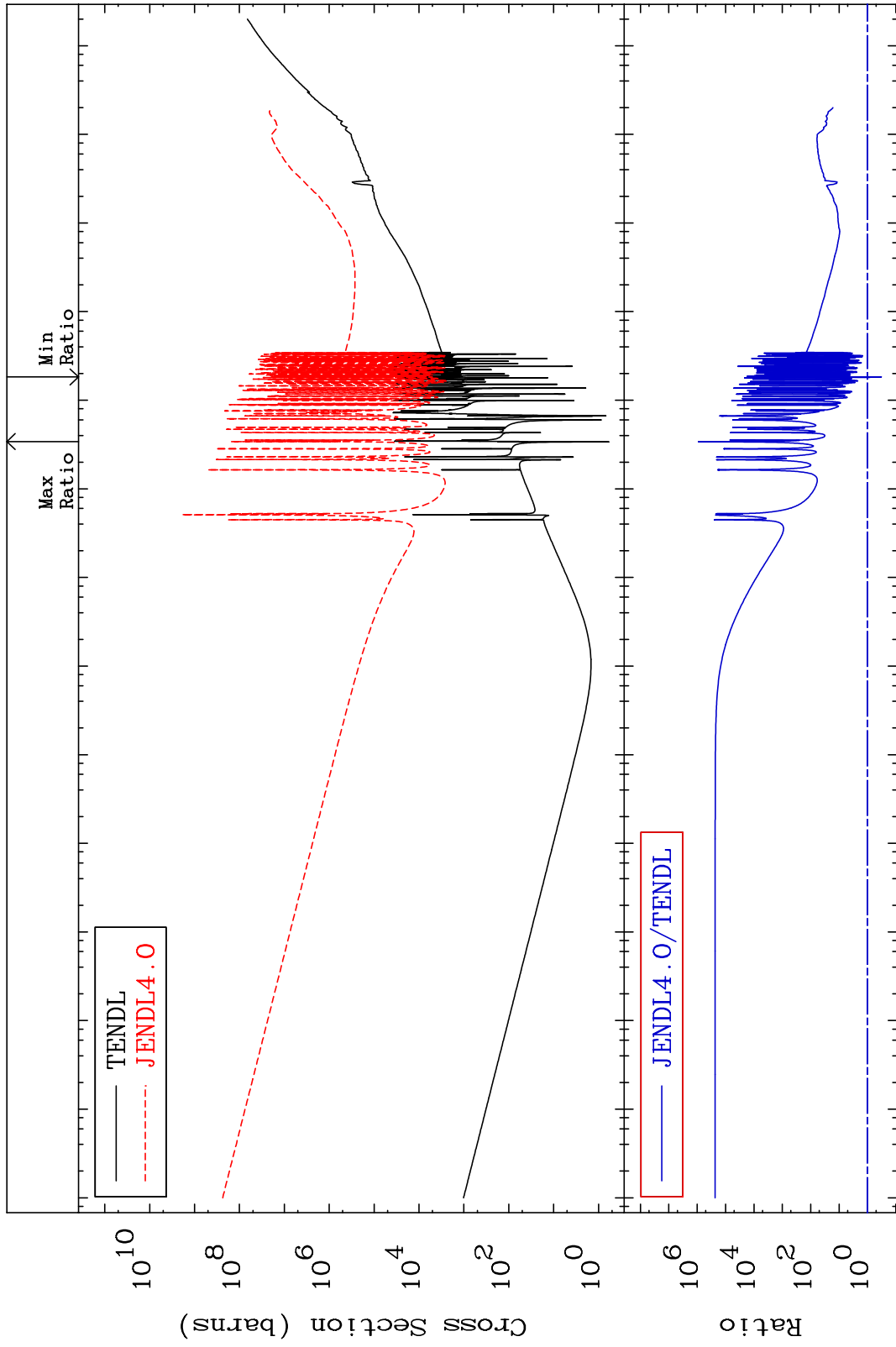
Incident Energy (eV)

56-Ba-136

MAT 5643

Kerma total (eV-barns)  
Cross Section

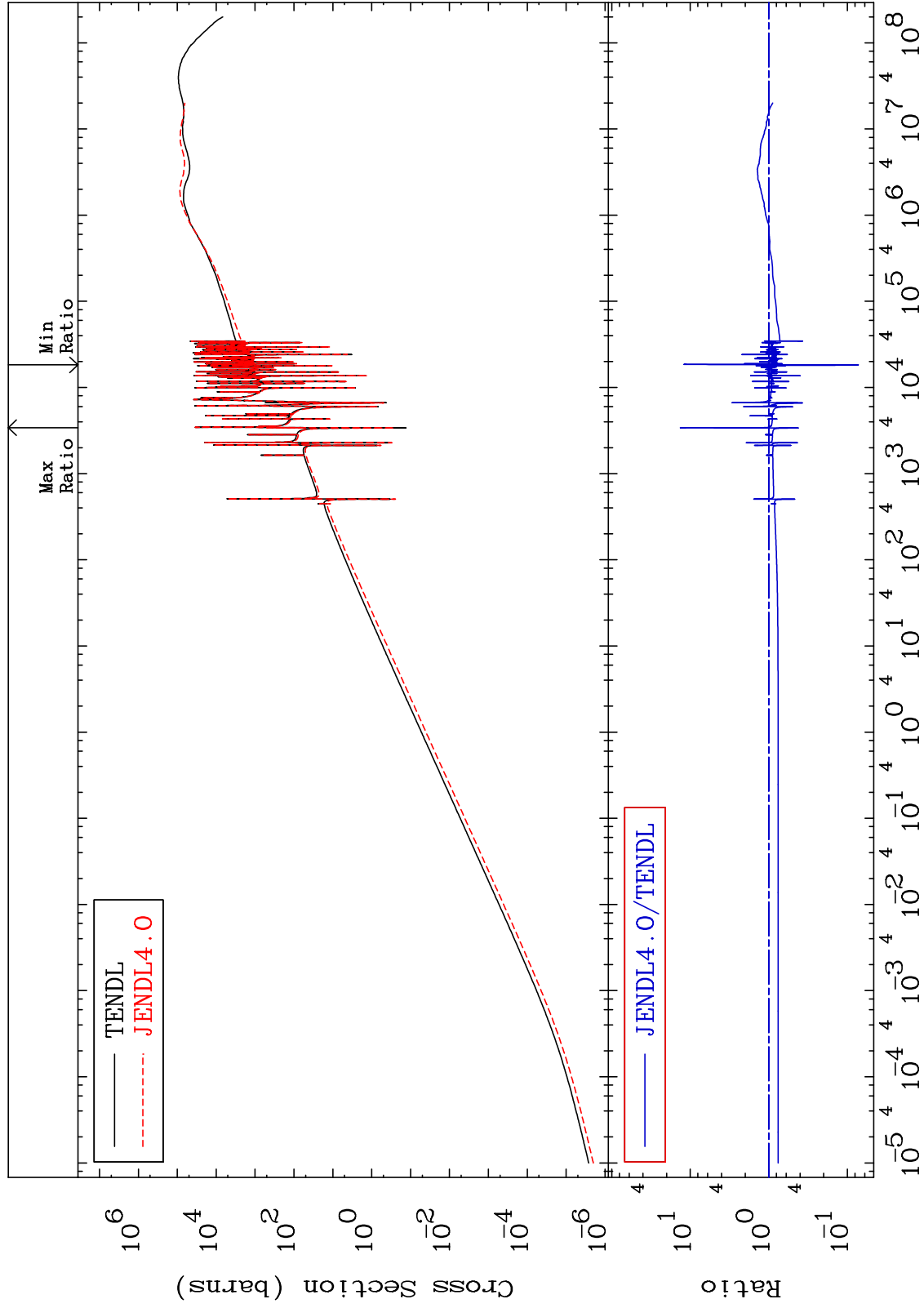
56-Ba-136  
-68.05 To 9999. %



MAT 5643

Kerma elastic  
Cross Section

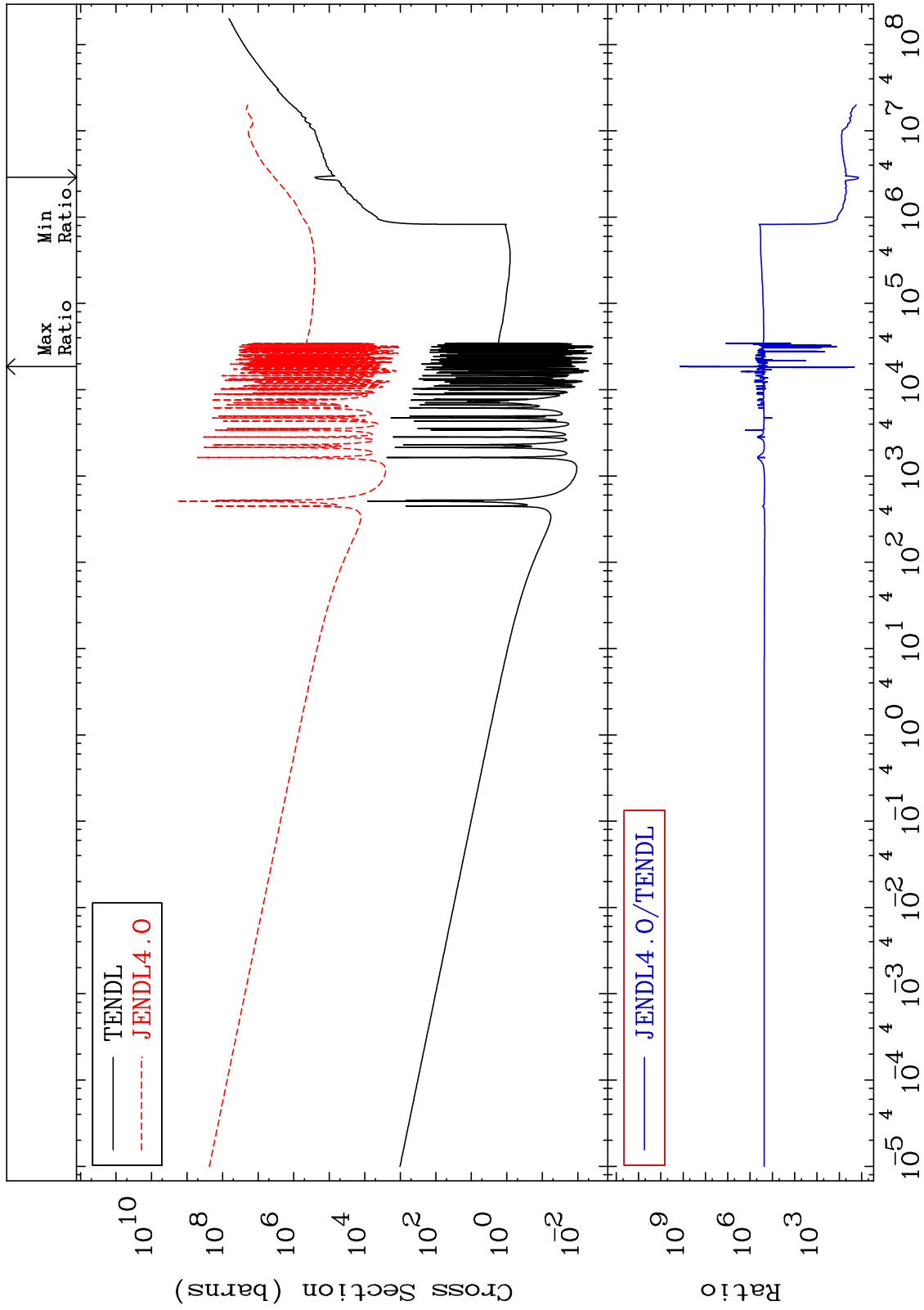
56-Ba-136  
-92.79 To 1234. %



MAT 5643

Kerma non-elastic (all but mt2)  
Cross Section

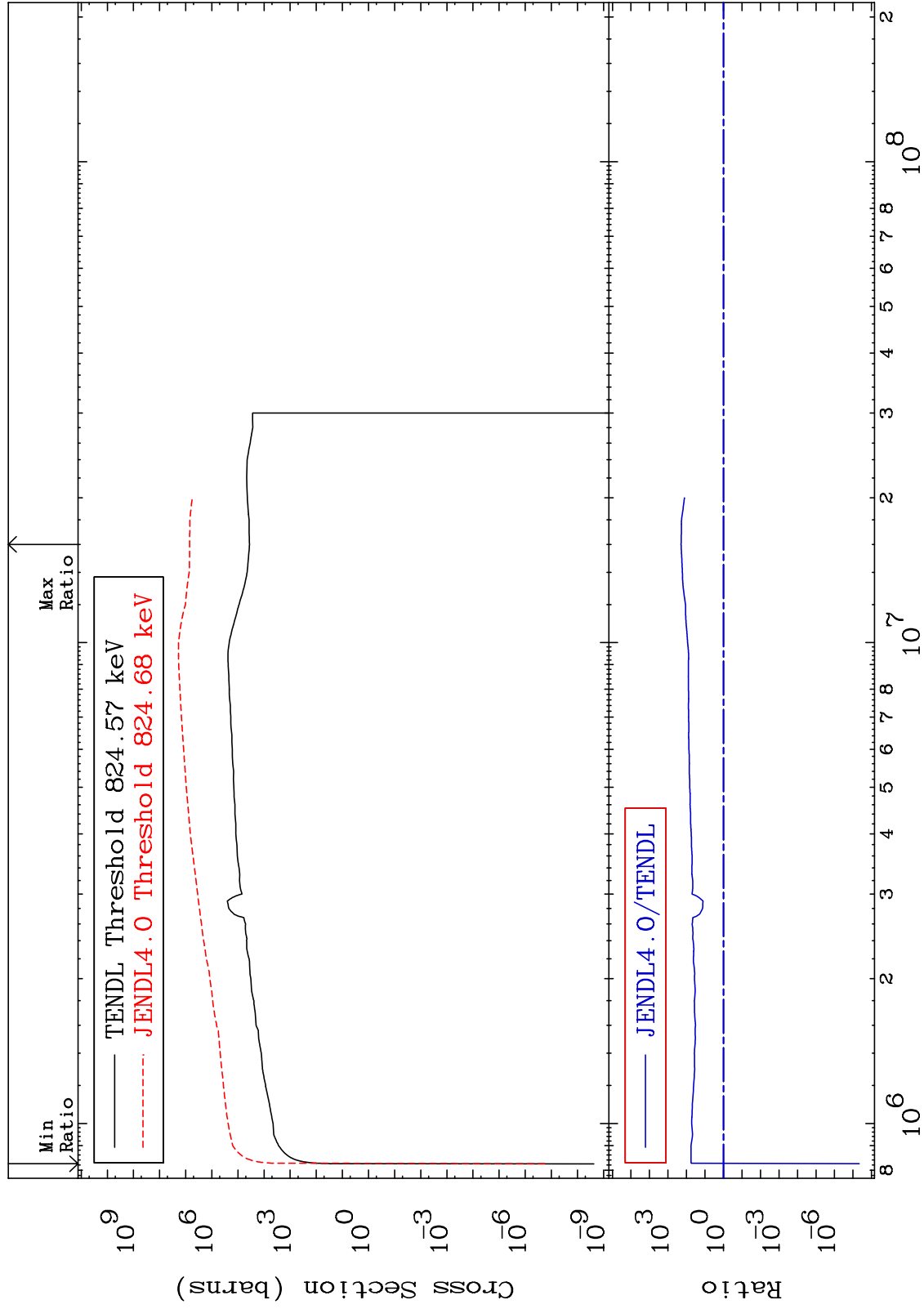
56-Ba-136  
1289. To 9999. %



MAT 5643

Kerma inelastic (mt51-91)  
Cross Section

56-Ba-136  
-100.0 To 9999. %

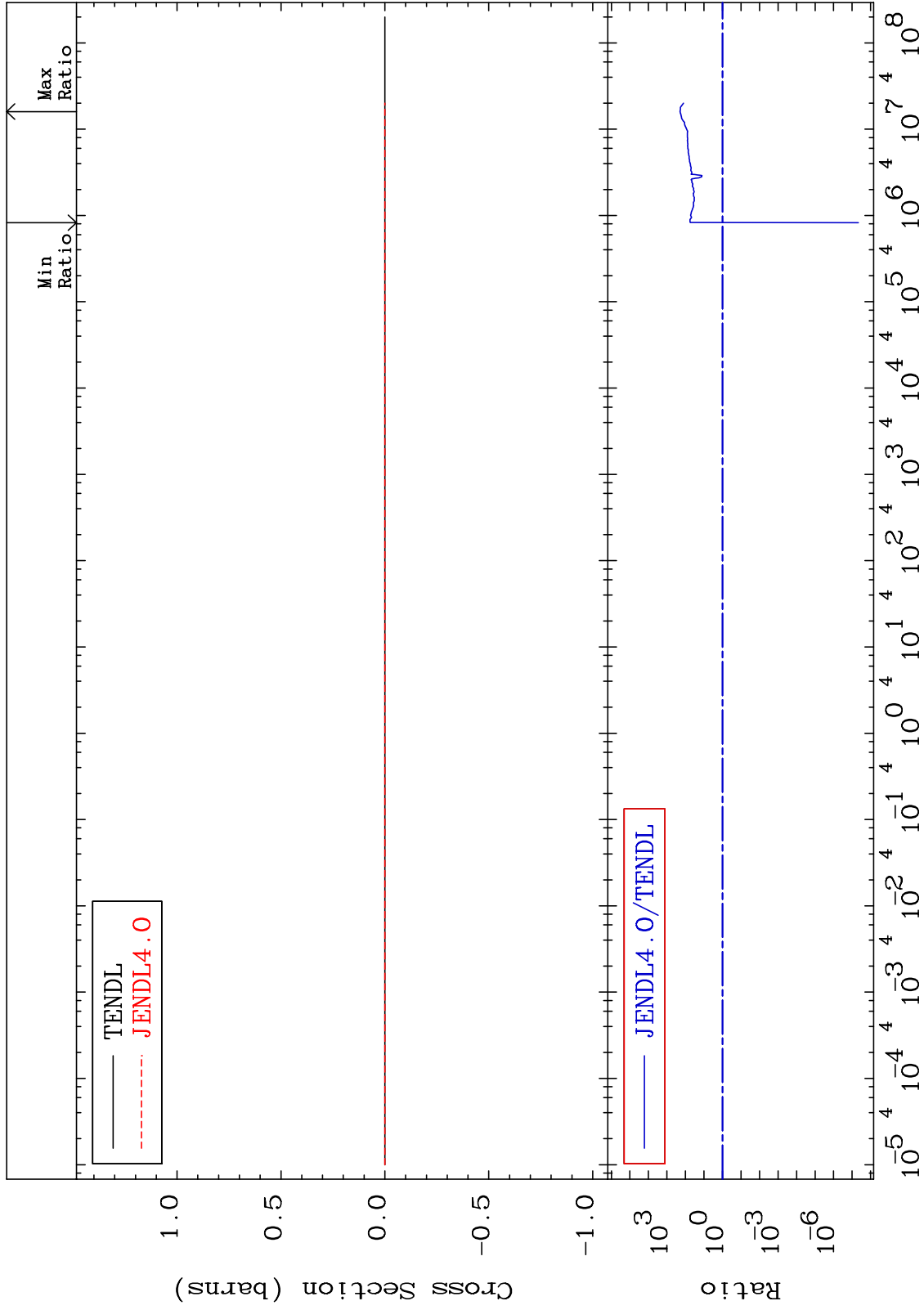




MAT 5643

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

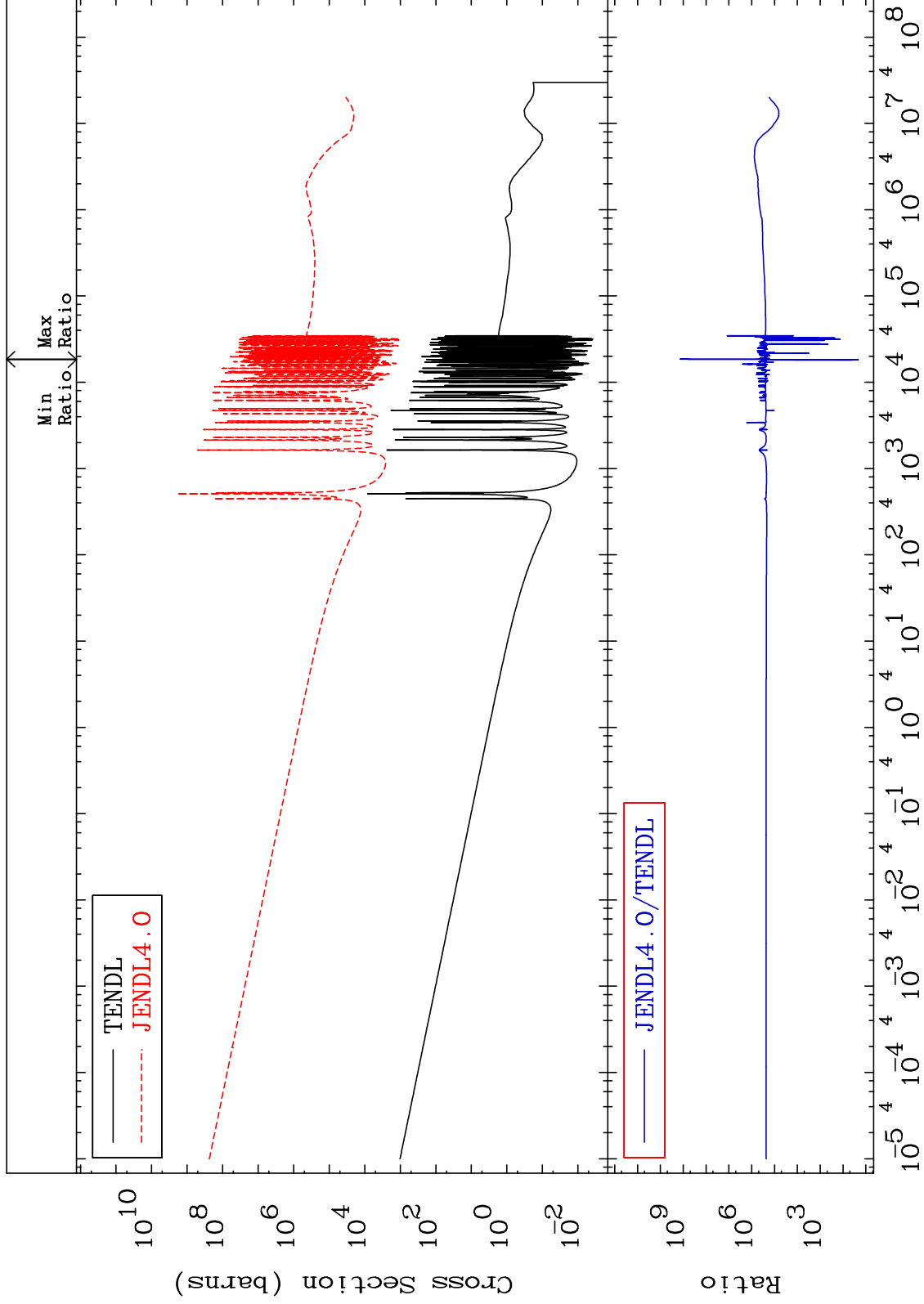
56-Ba-136  
-100.0 To 9999. %



MAT 5643

Kerma capture (mt102)  
Cross Section

56-Ba-136  
2023. To 9999. %



33

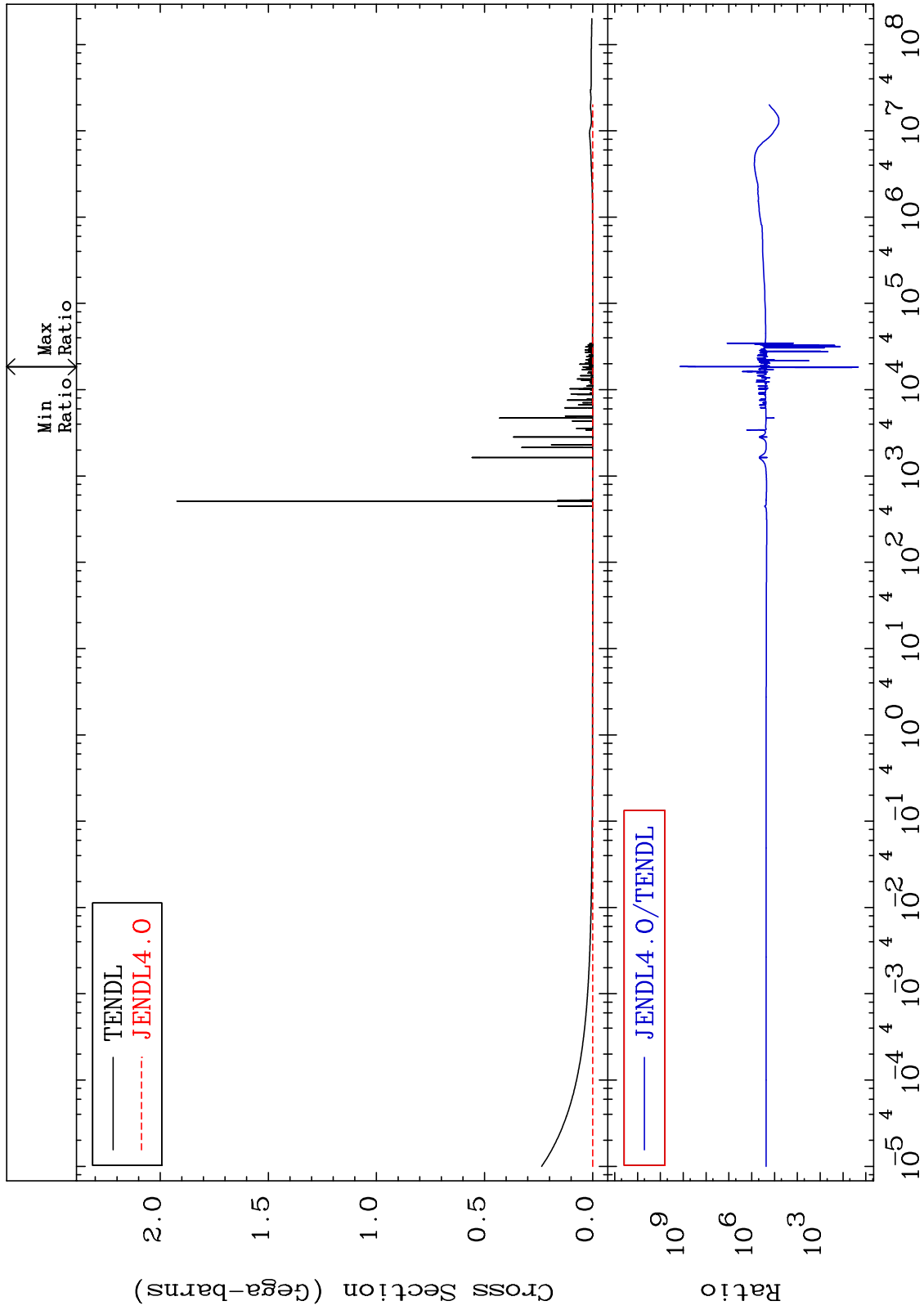
Incident Energy (eV)

56-Ba-136

MAT 5643

Total photon (eV-barns)  
Cross Section

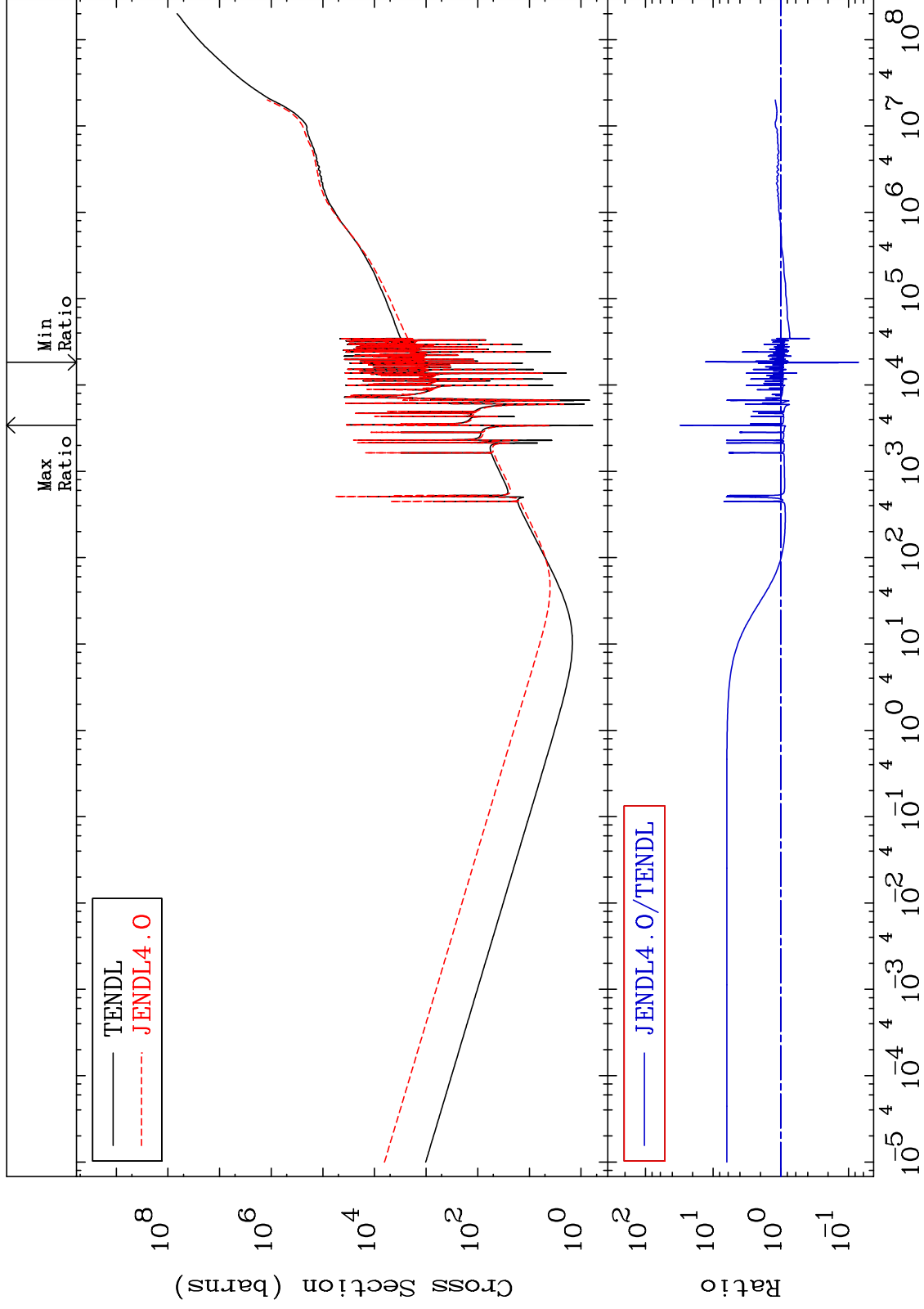
56-Ba-136  
2023. To 9999. %



MAT 5643

Total kinematic kerma (high limit)  
Cross Section

56-Ba-136  
-92.88 To 2979. %



35

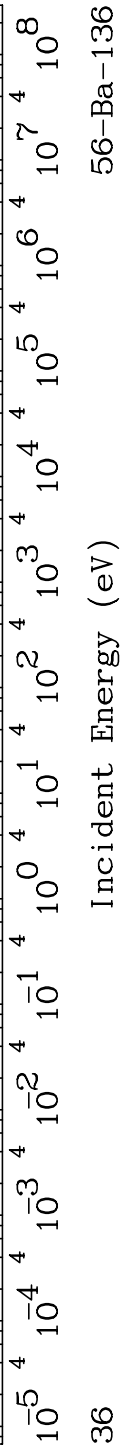
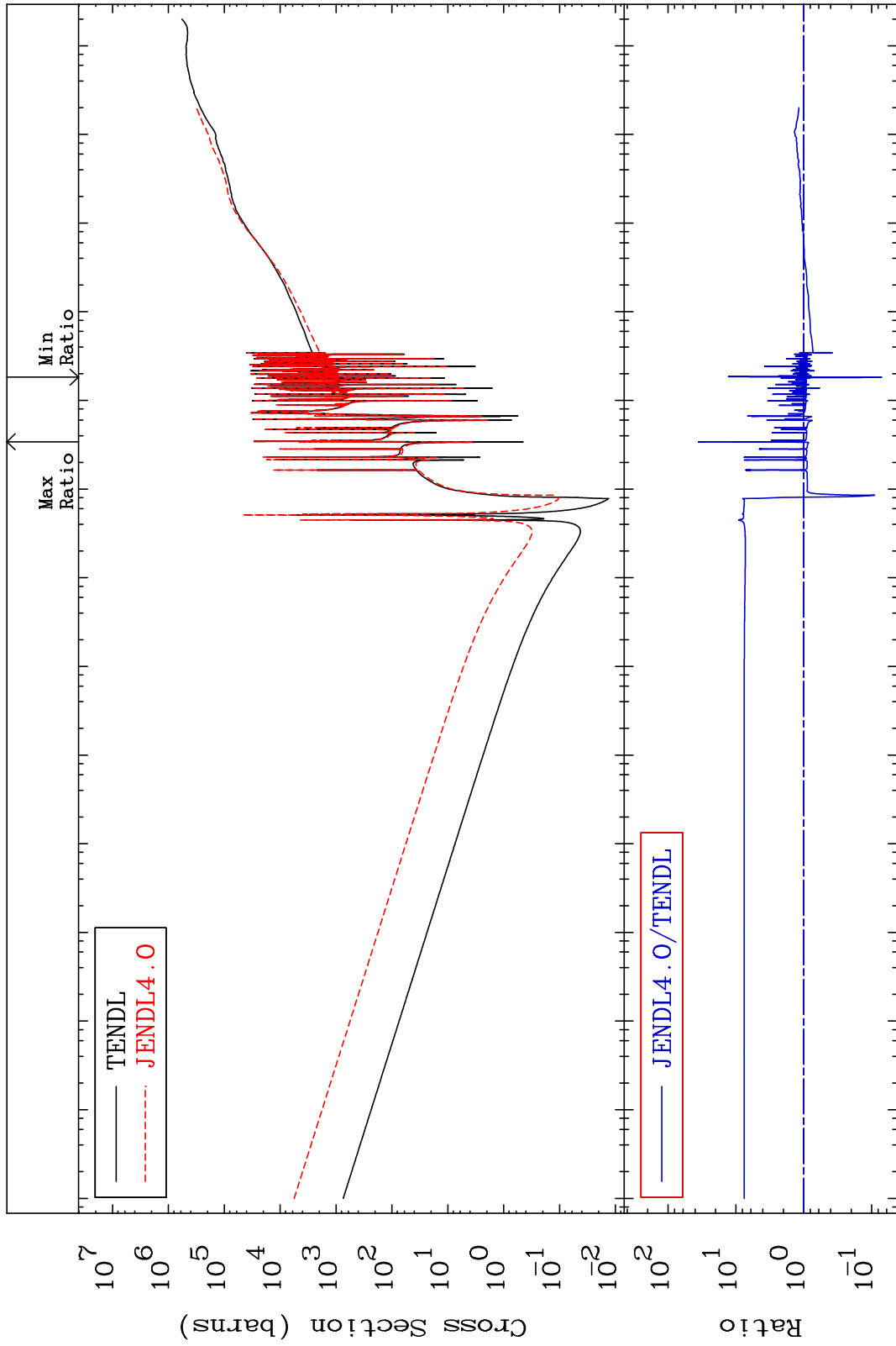
Incident Energy (eV)

56-Ba-136

MAT 5643

Dpa total (eV-barns)  
Cross Section

56-Ba-136  
-92.86 To 3474. %



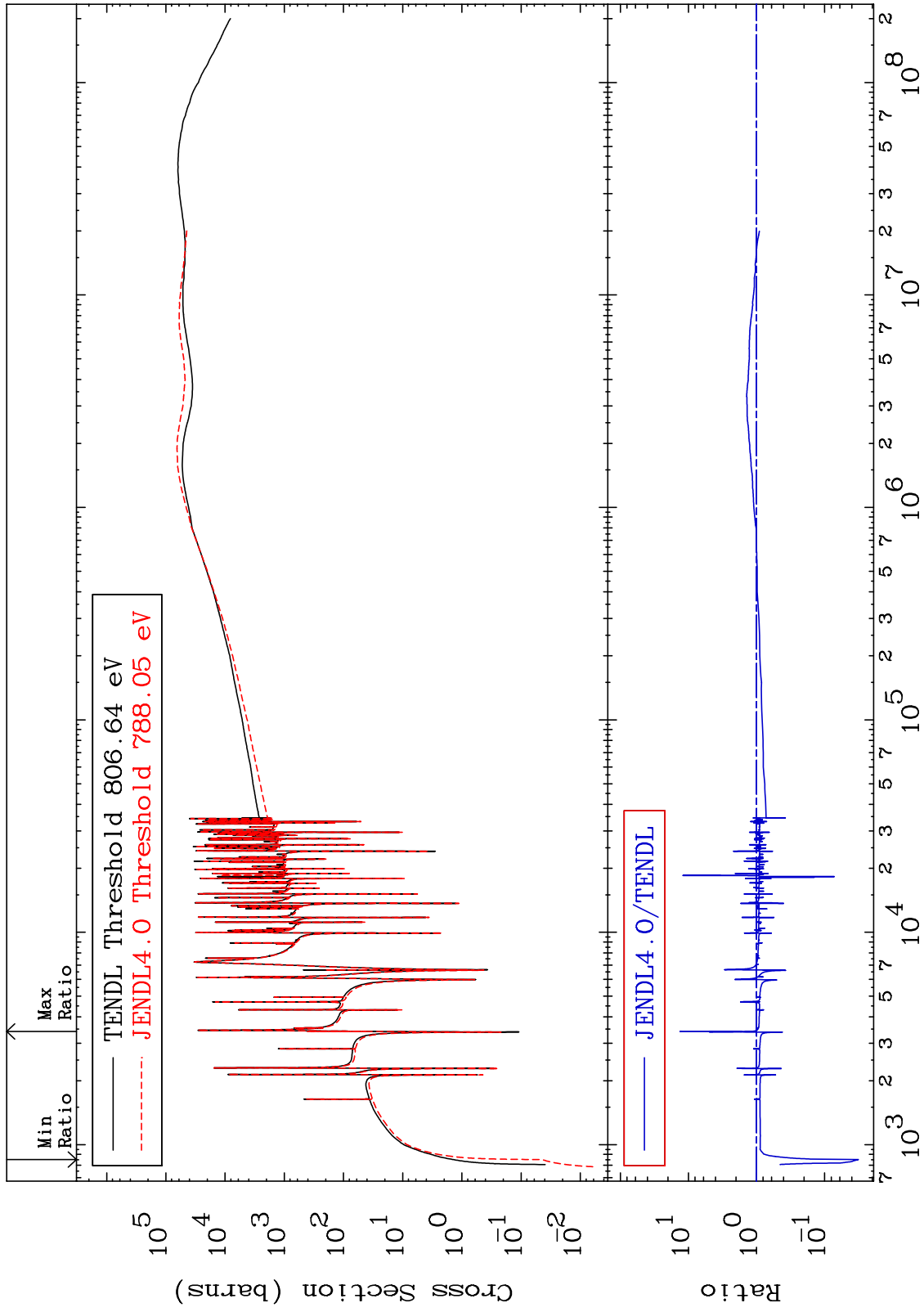
36

56-Ba-136

MAT 5643

Dpa elastic (mt2)  
Cross Section

56-Ba-136  
-96.81 To 1229. %



37

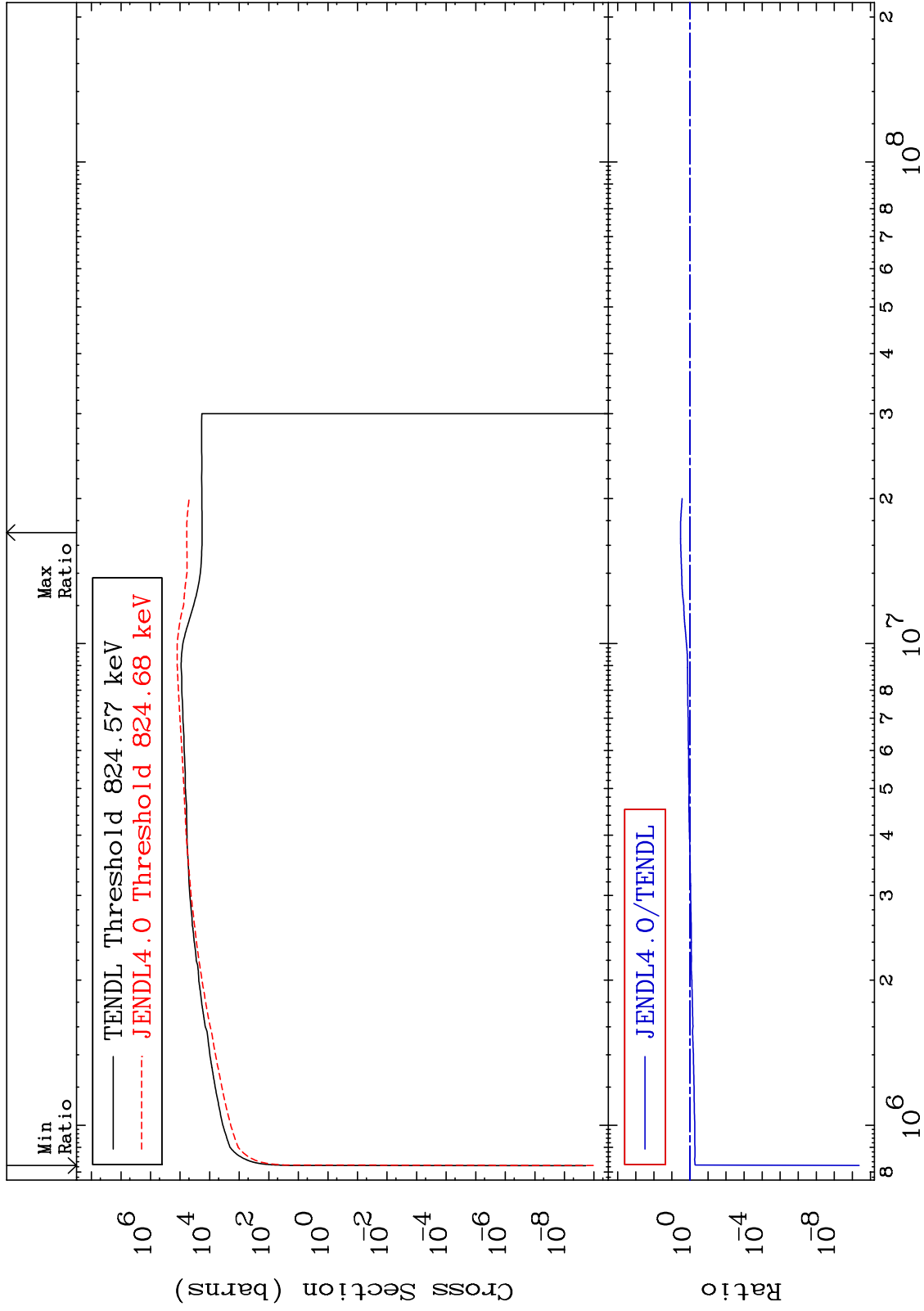
Incident Energy (eV)

56-Ba-136

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  
-99.88 To 9999. %

