

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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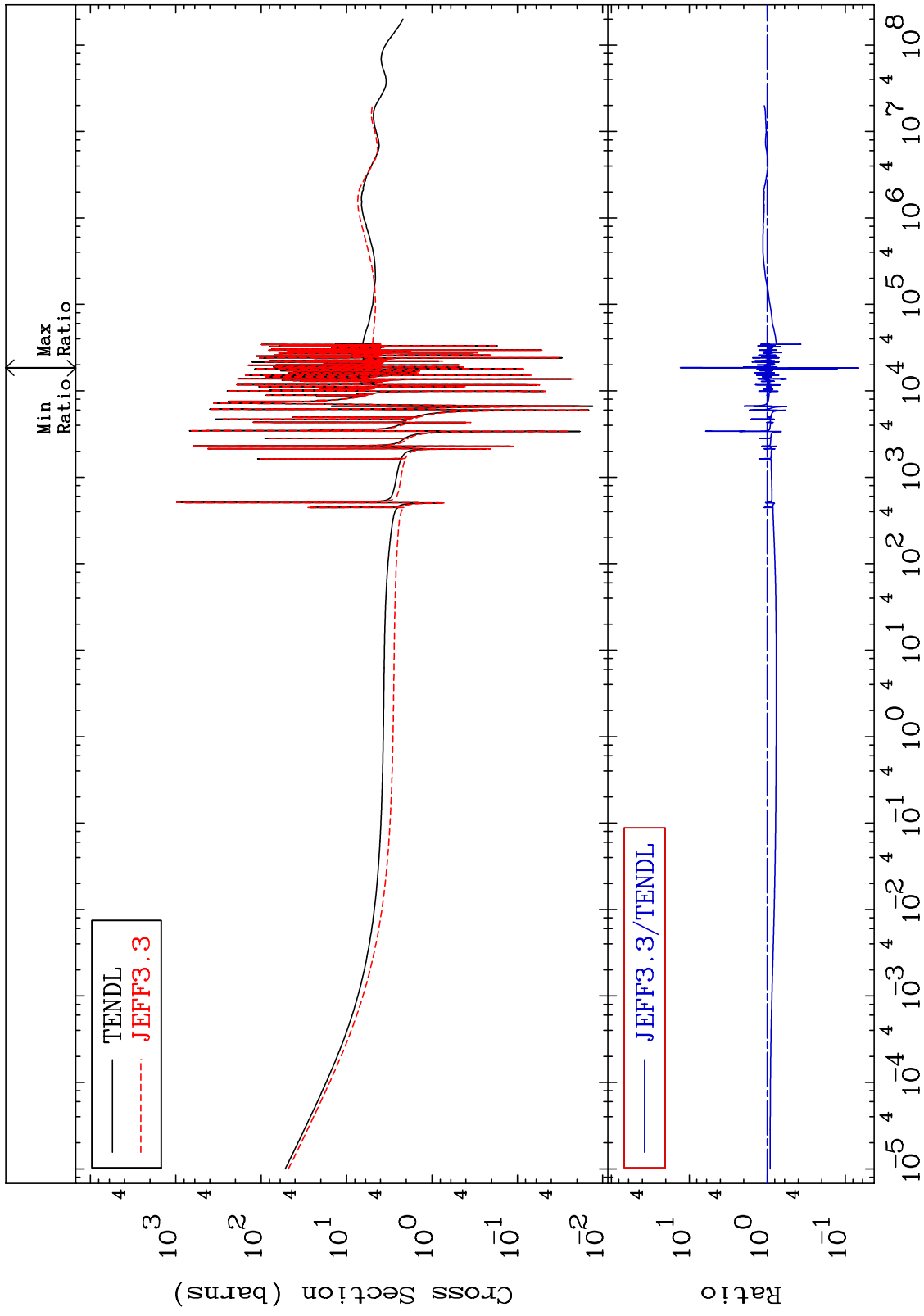
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5643

Total  
Cross Section

56-Ba-136  
-93.31 To 1206. %



1

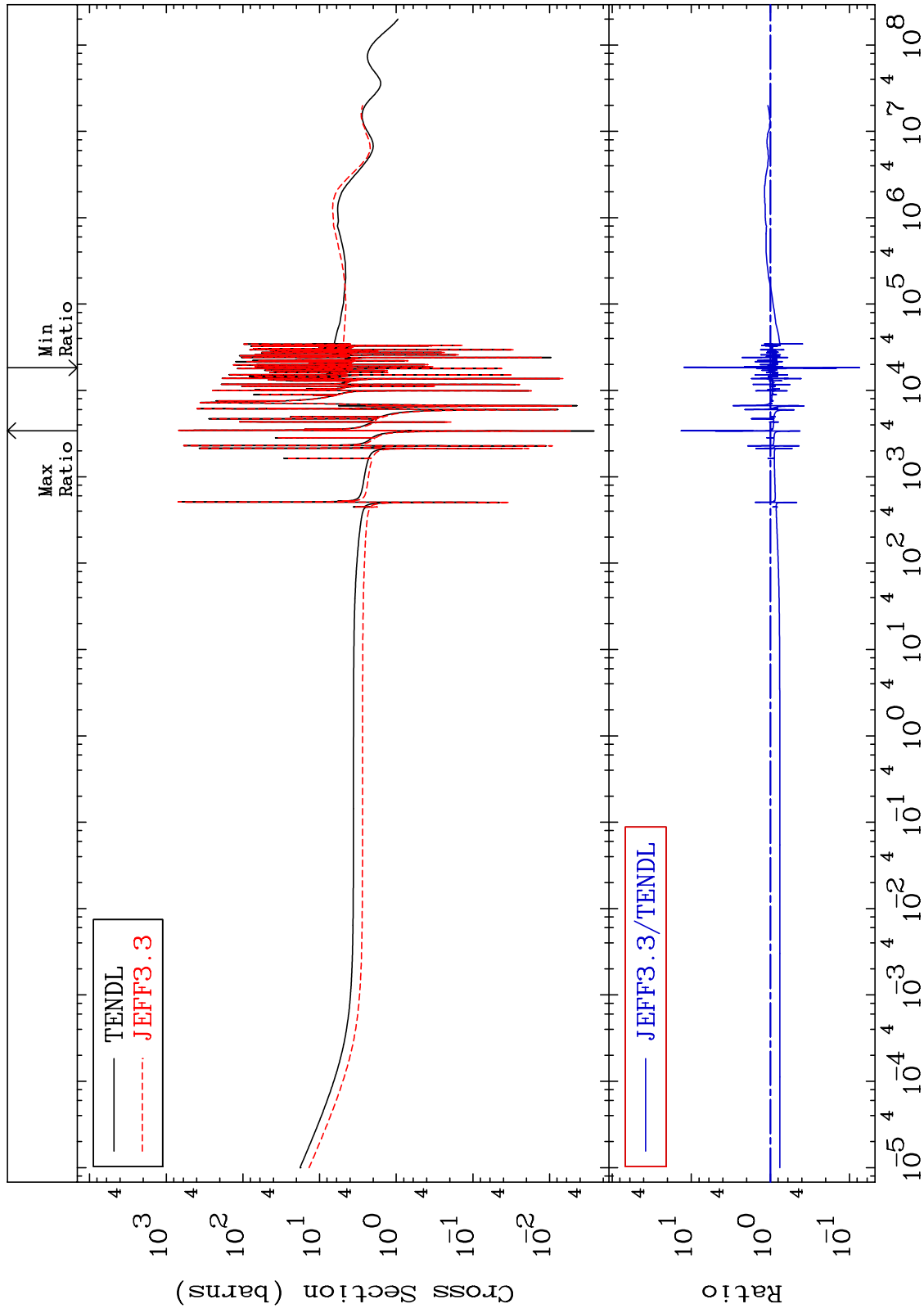
Incident Energy (eV)

56-Ba-136

MAT 5643

Elastic  
Cross Section

56-Ba-136  
-92.58 To 1241. %

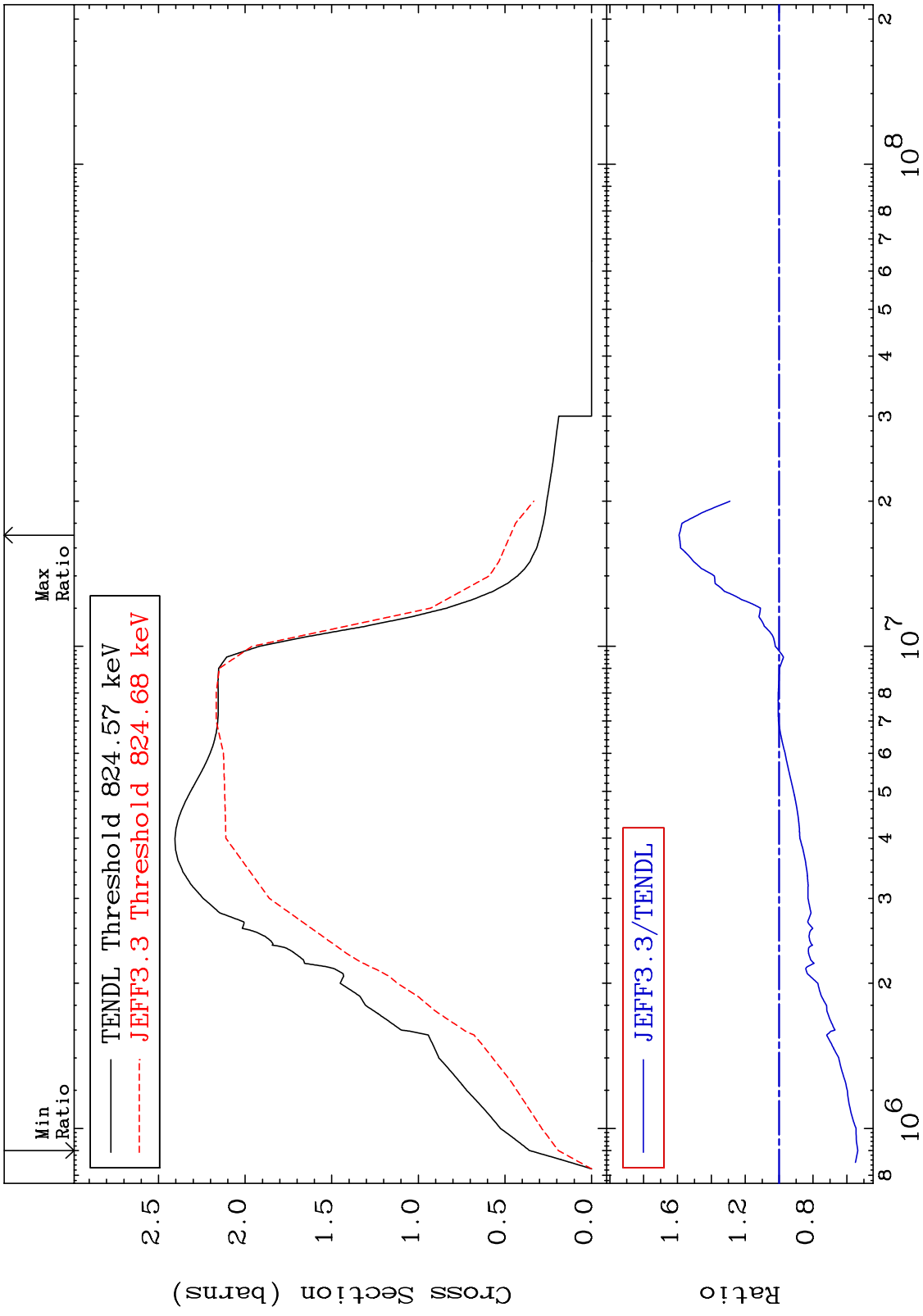


2

Incident Energy (eV)

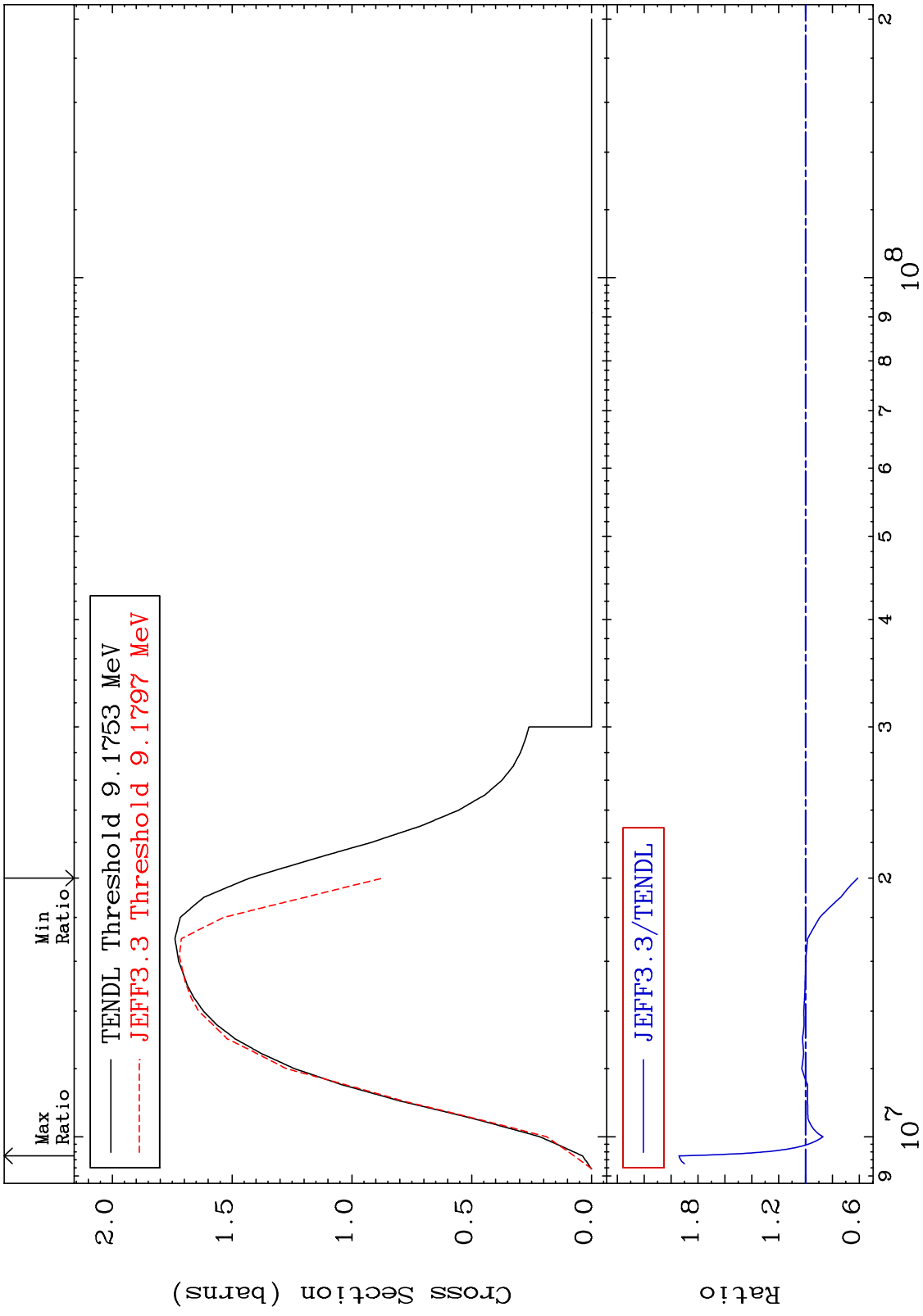
56-Ba-136

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



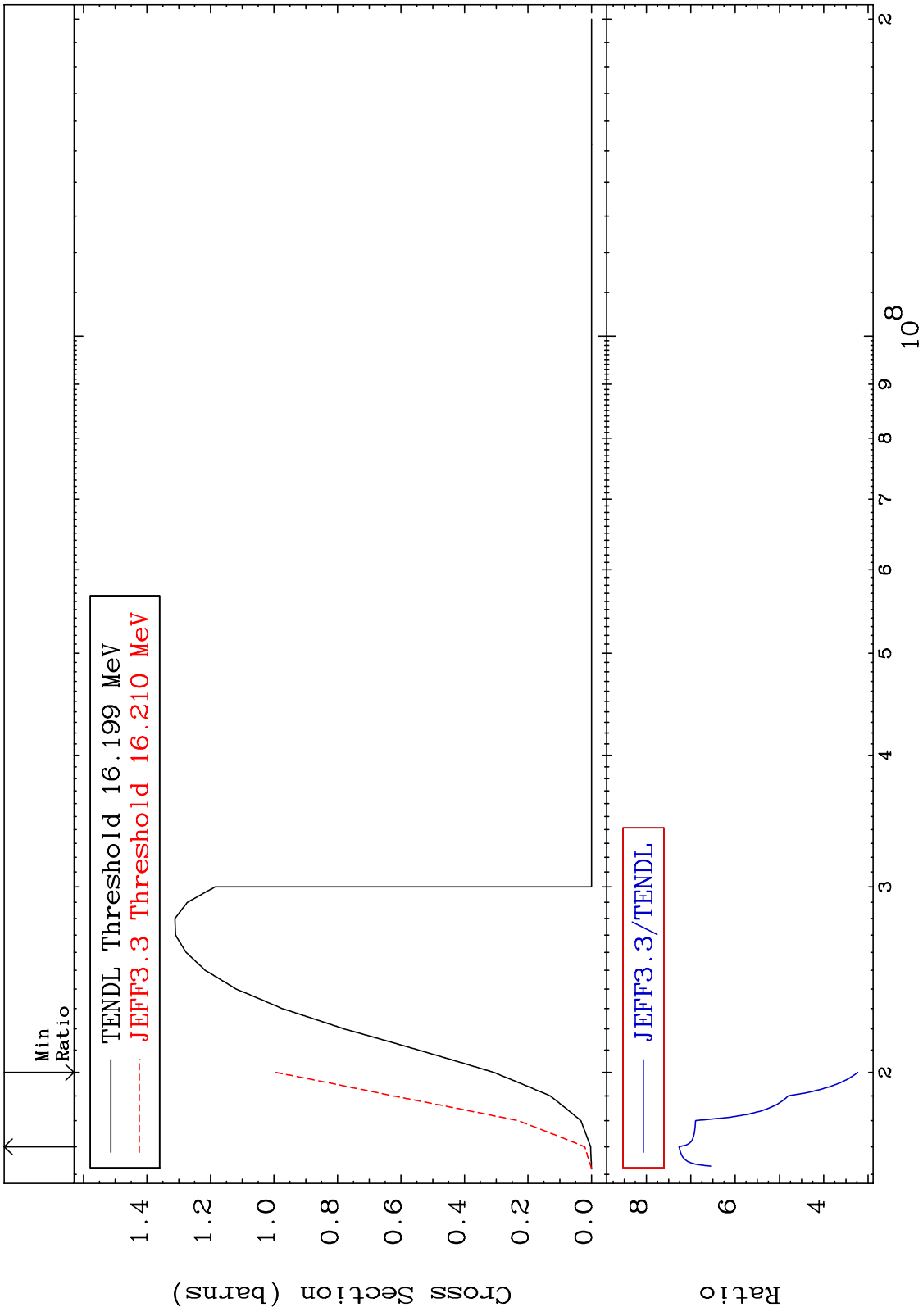
3 8 10<sup>6</sup> 2 3 4 5 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 56-Ba-136

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) Cross Section 56-Ba-136 223.1 To 626.4 %



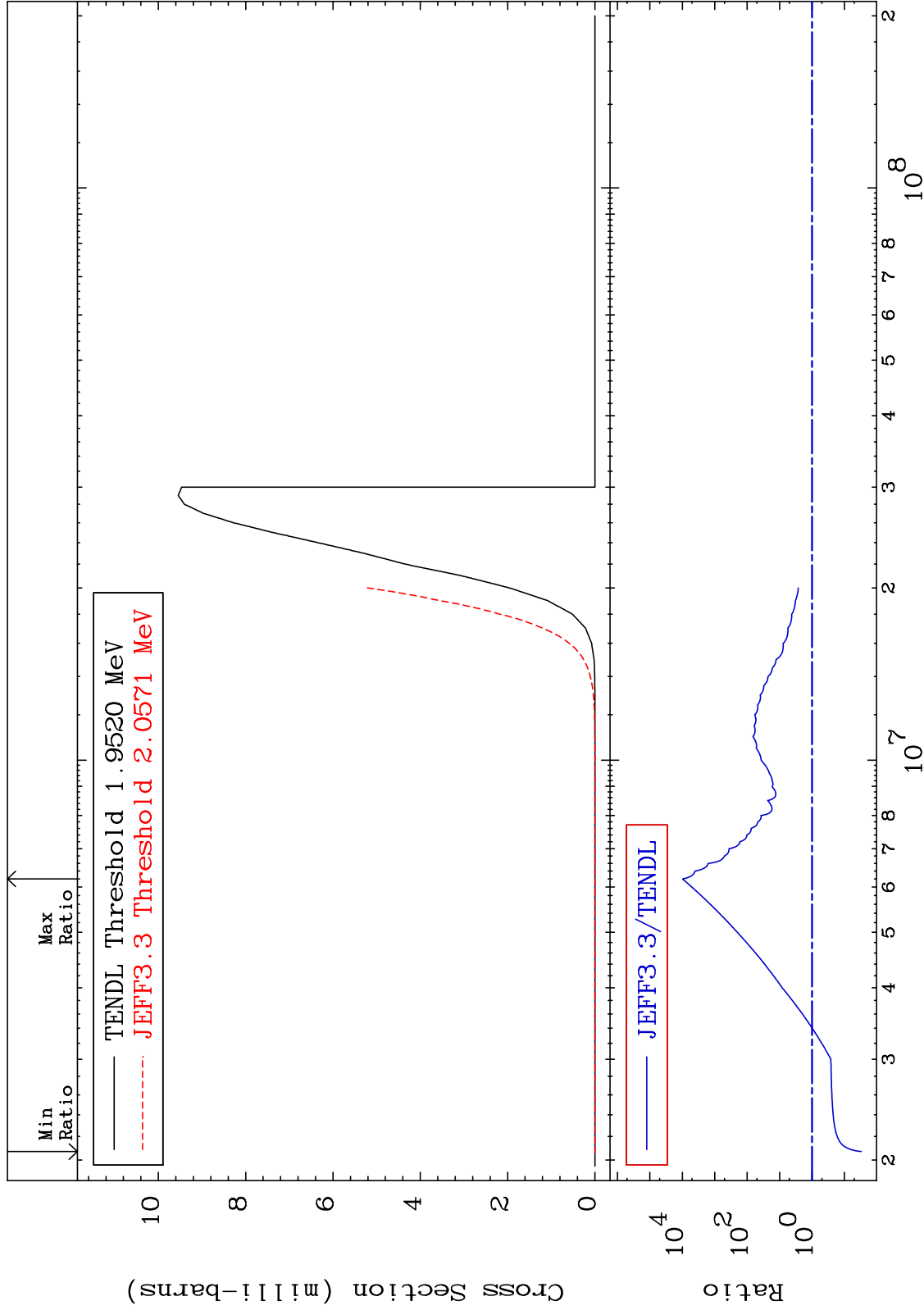
MAT 5643

(n, n')  $\alpha$

56-Ba-136

-96.96 To 9999. %

Cross Section

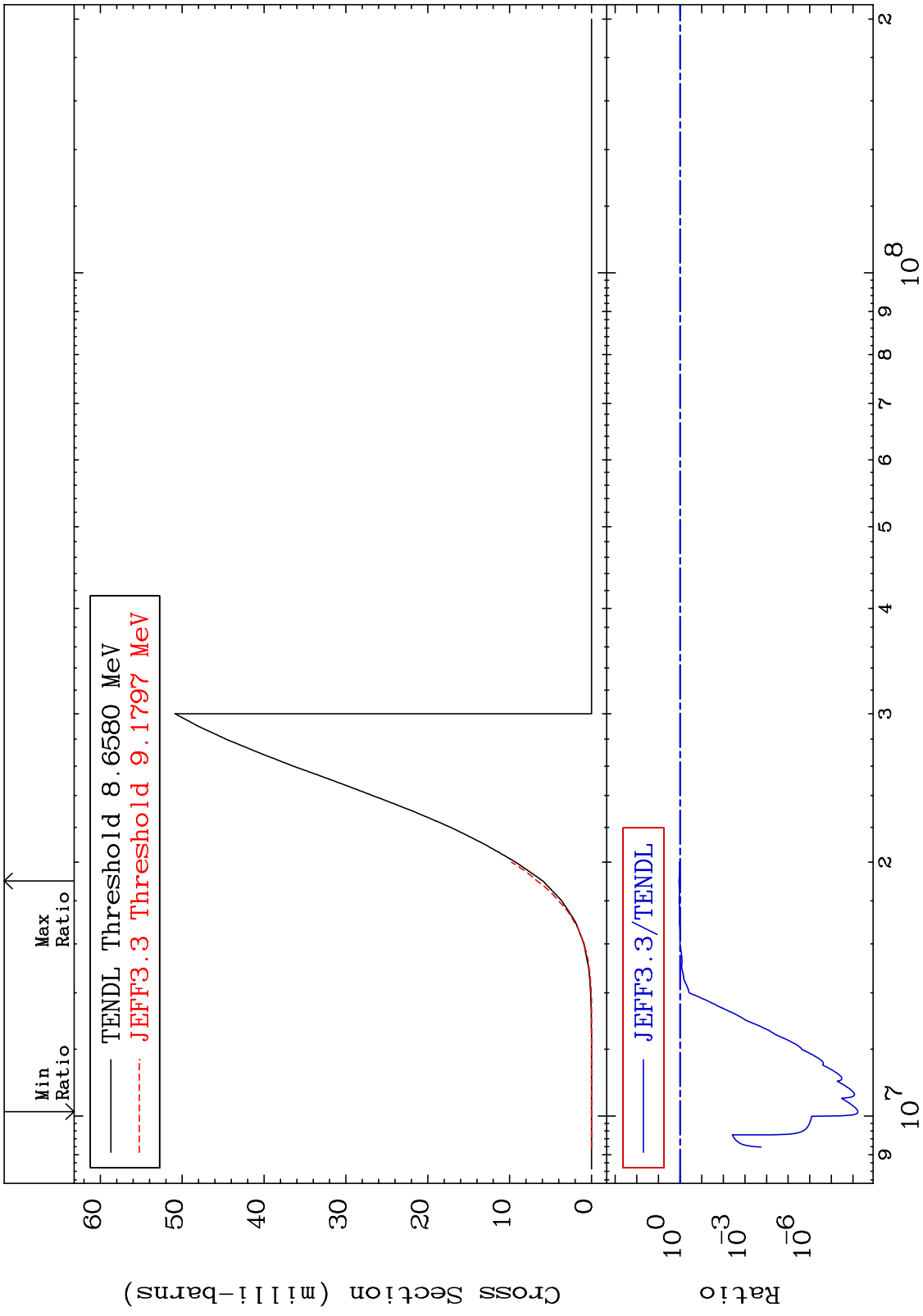


6

Incident Energy (eV)

56-Ba-136

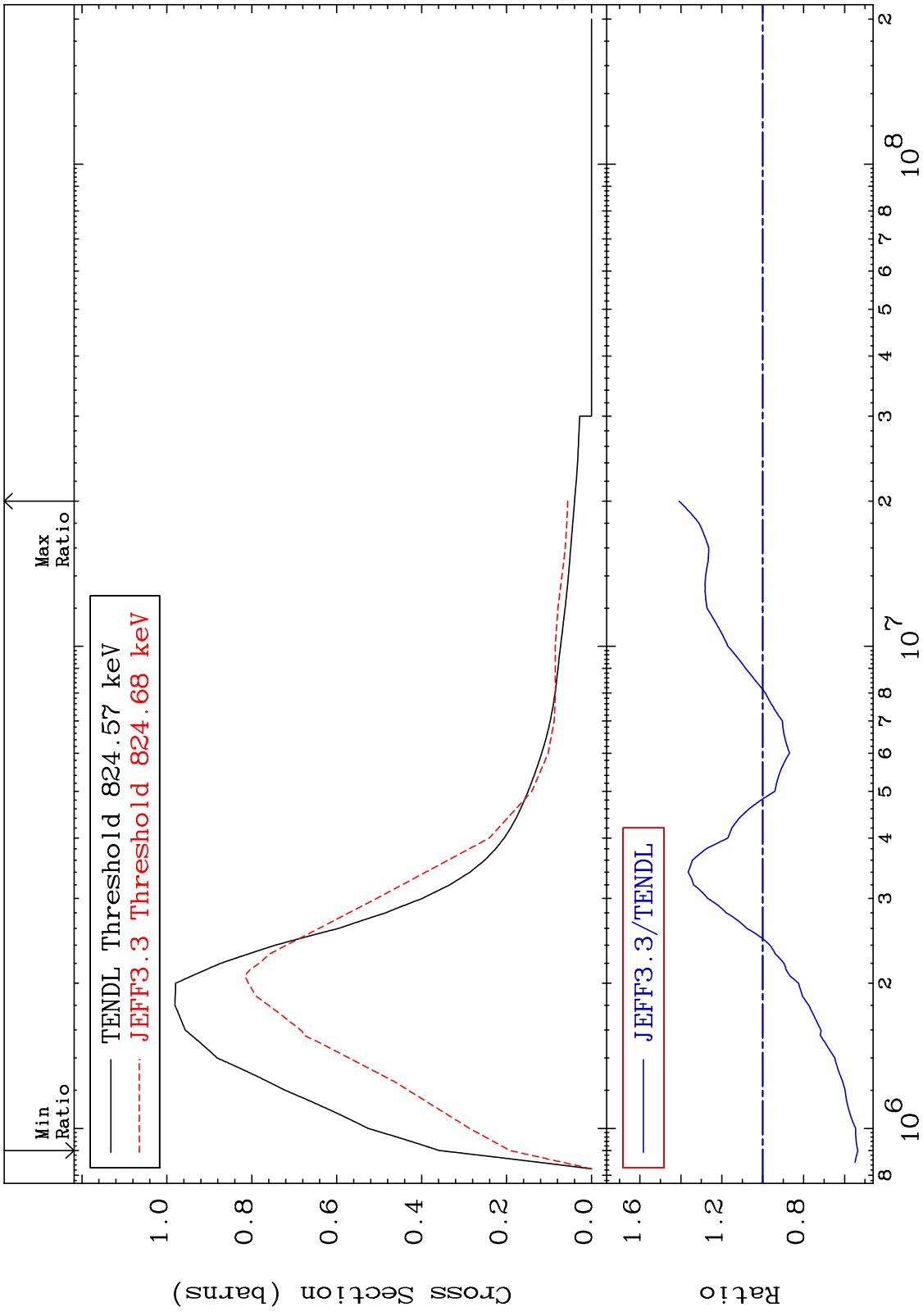
MAT 5643 56-Ba-136  
(n, n') p  
Cross Section  
-100.0 To 11.52 %



Incident Energy (eV) 56-Ba-136

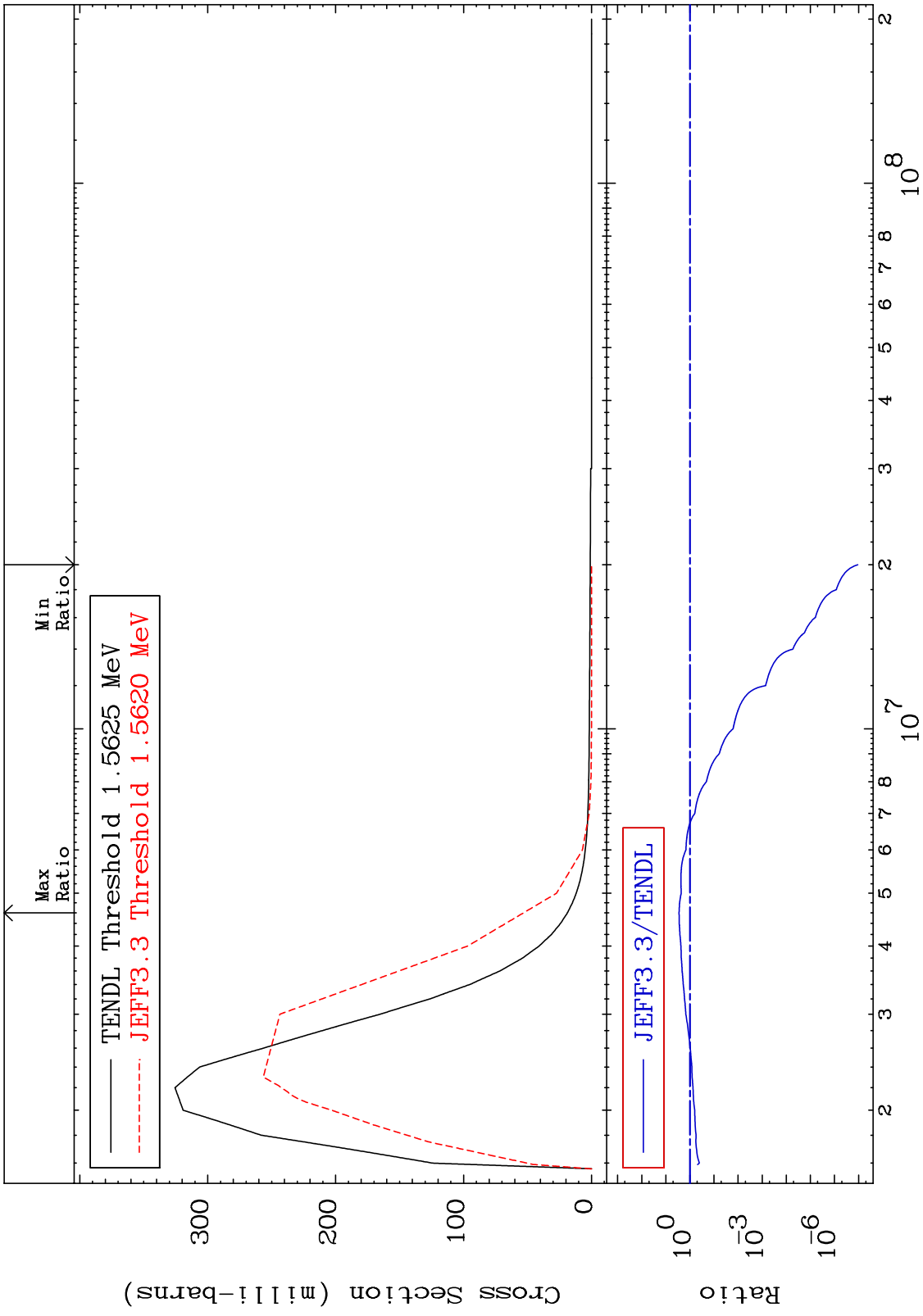


MAT 5643 MT= 51 (n,n') Level Cross Section 56-Ba-136  
 -46.46 To 40.89 %



8 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> Incident Energy (eV) 56-Ba-136

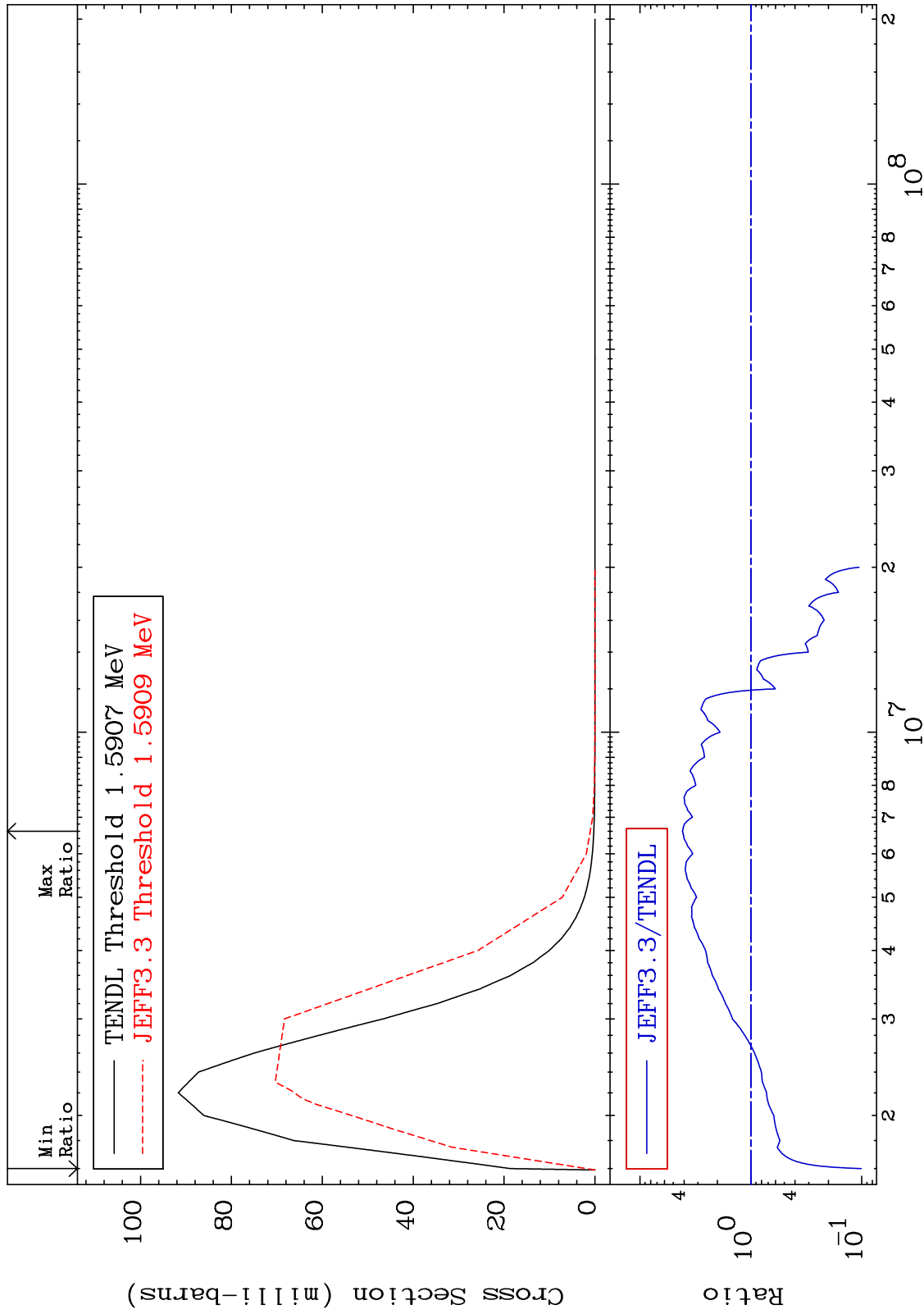
MAT 5643 MT= 52 (n,n') Level Cross Section 56-Ba-136 -100.0 To 182.2 %



MAT 5643

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

56-Ba-136  
-89.91 To 313.4 %

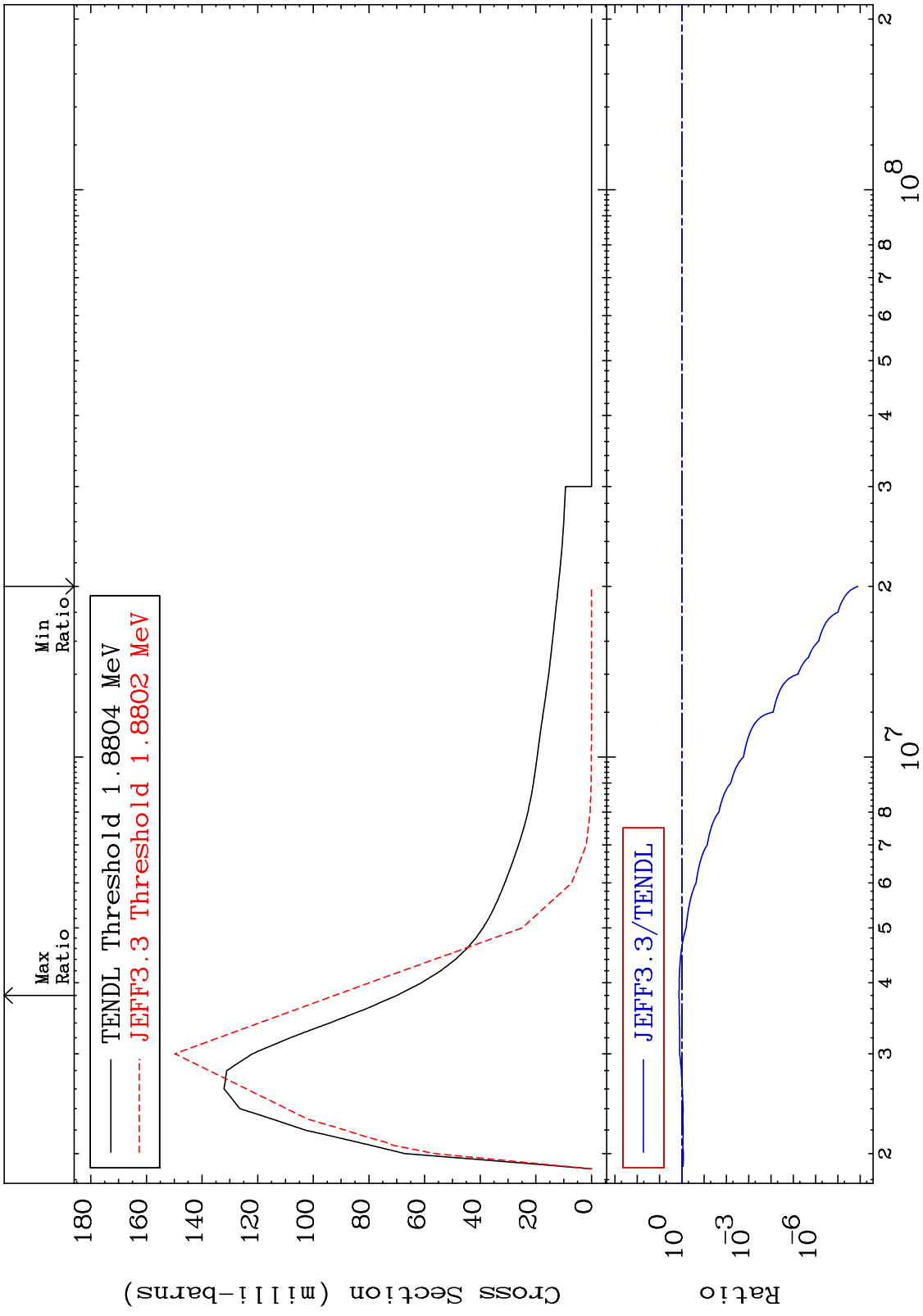


10

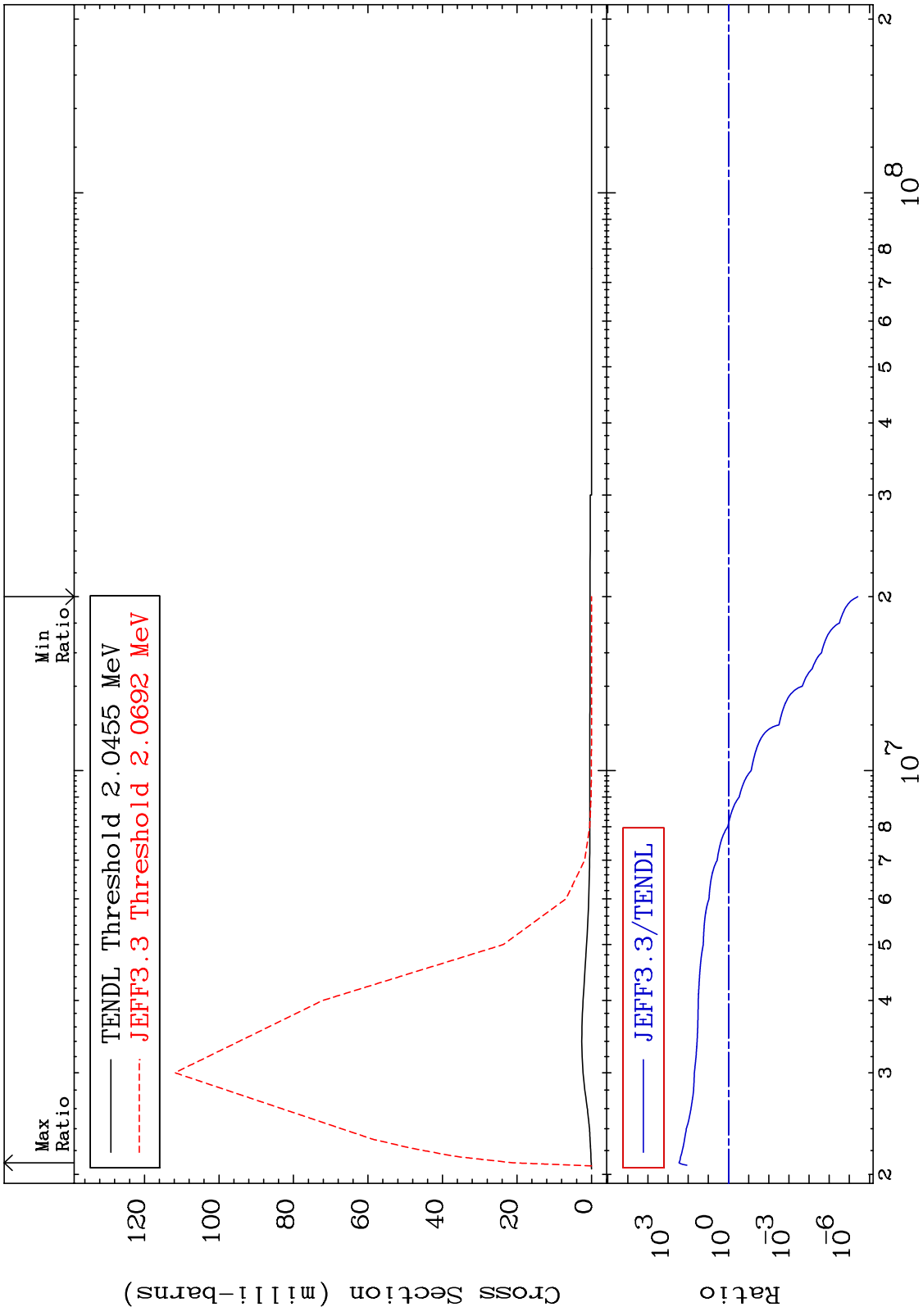
Incident Energy (eV)

56-Ba-136

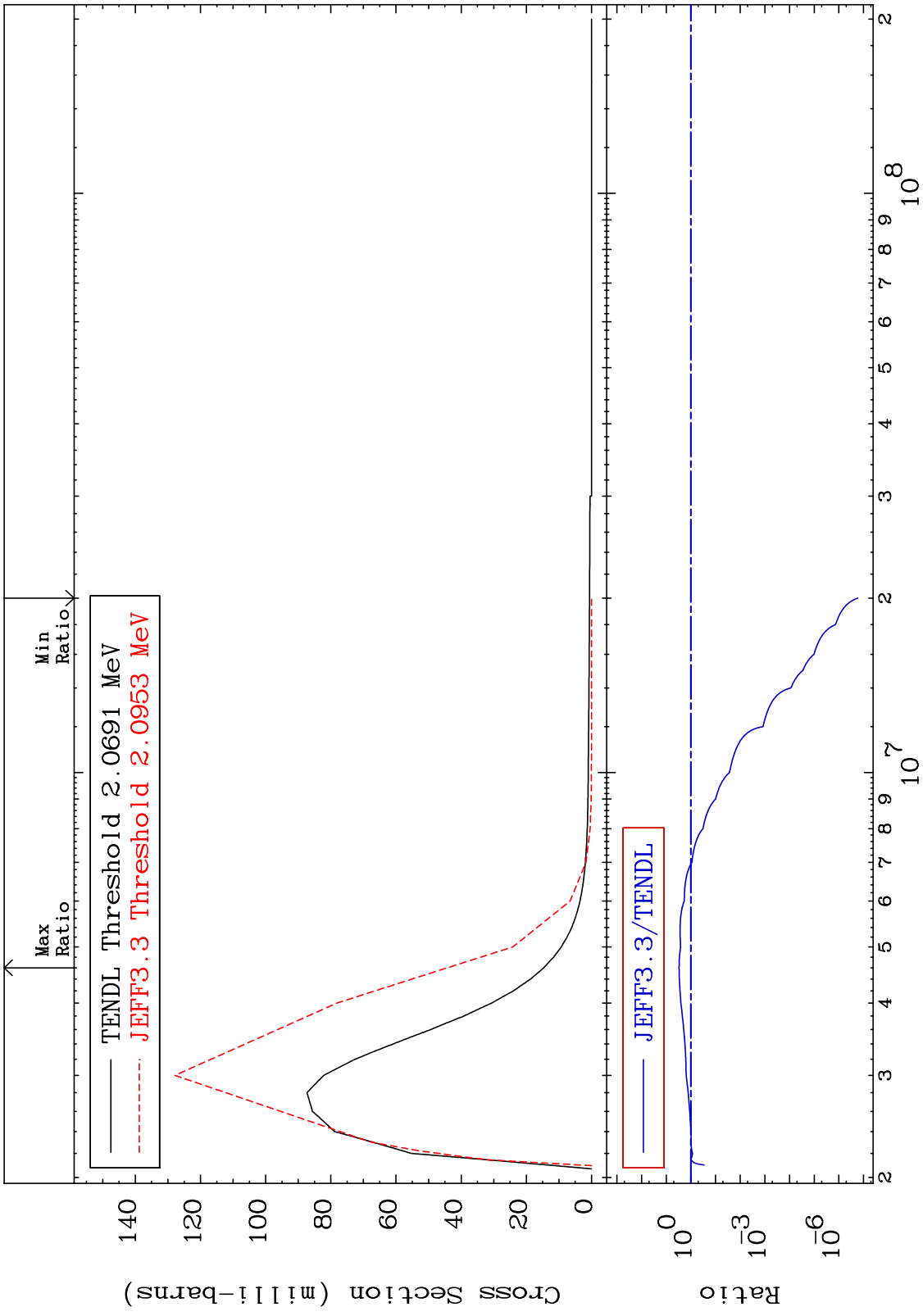
MAT 5643 MT= 54 (n,n') Level Cross Section 56-Ba-136 -100.0 To 32.03 %



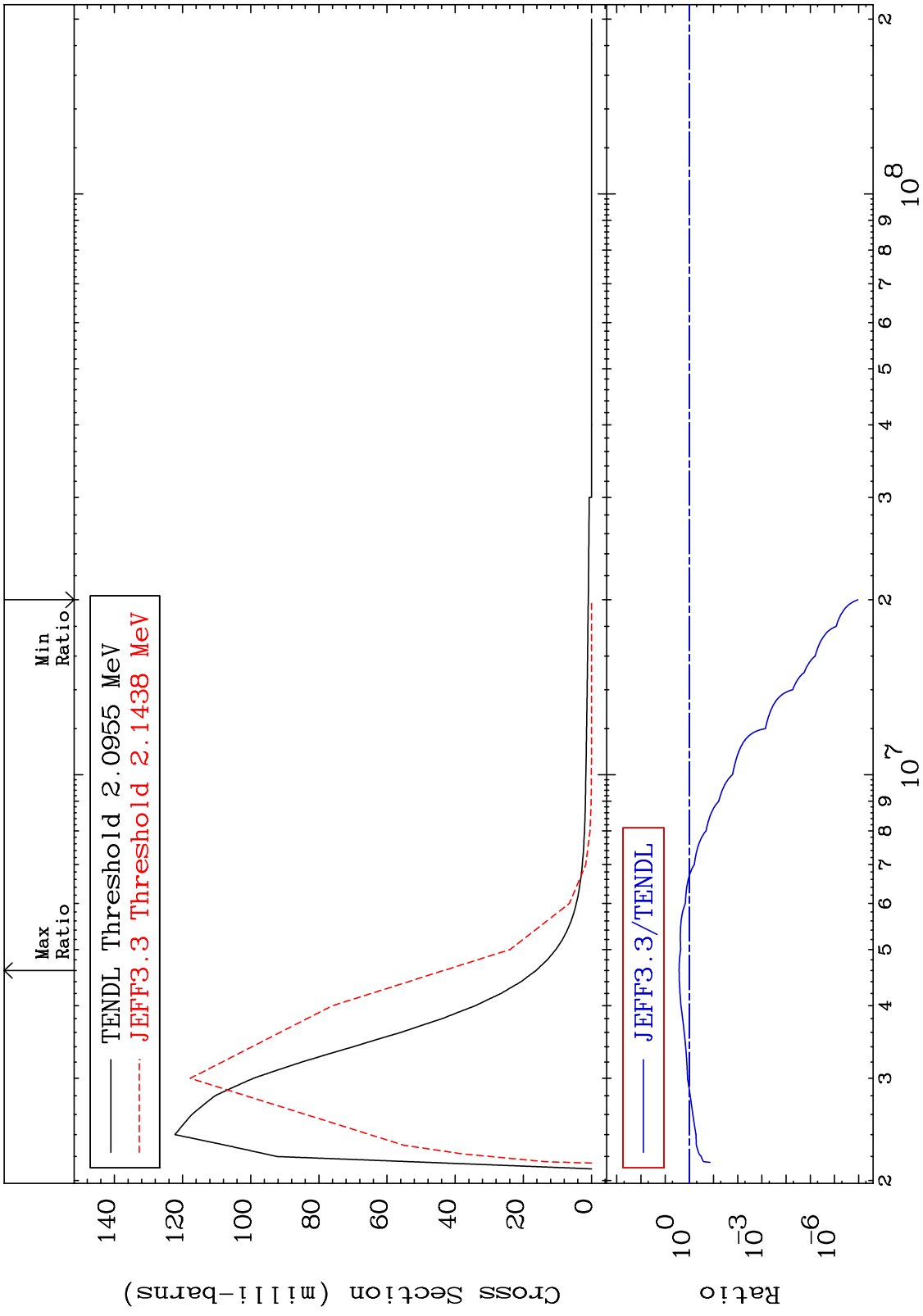
MAT 5643 MT= 55 (n,n') Level Cross Section 56-Ba-136 -100.0 To 9999. %



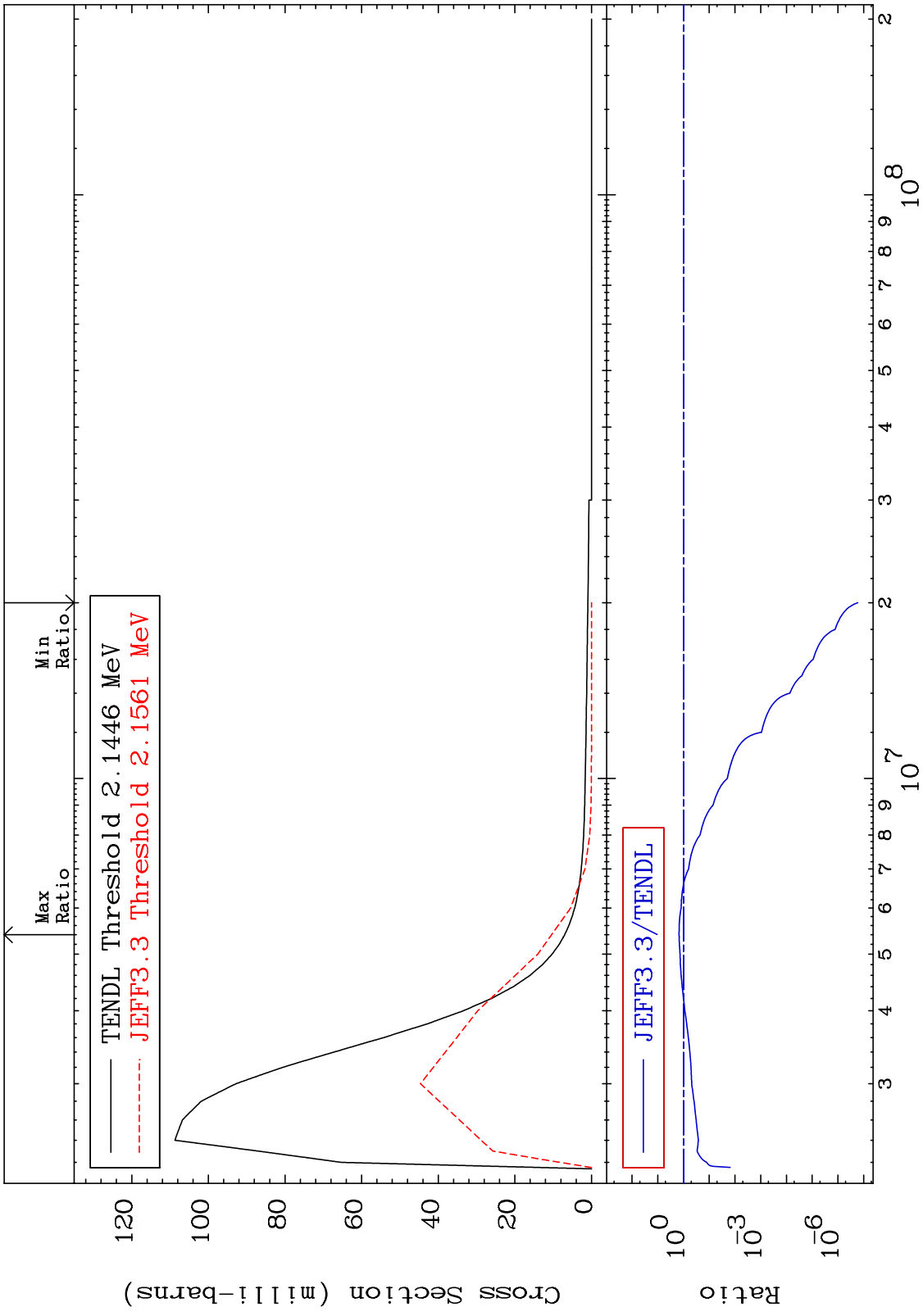
MAT 5643 MT= 56 (n,n') Level Cross Section 56-Ba-136 -100.0 To 201.6 %



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

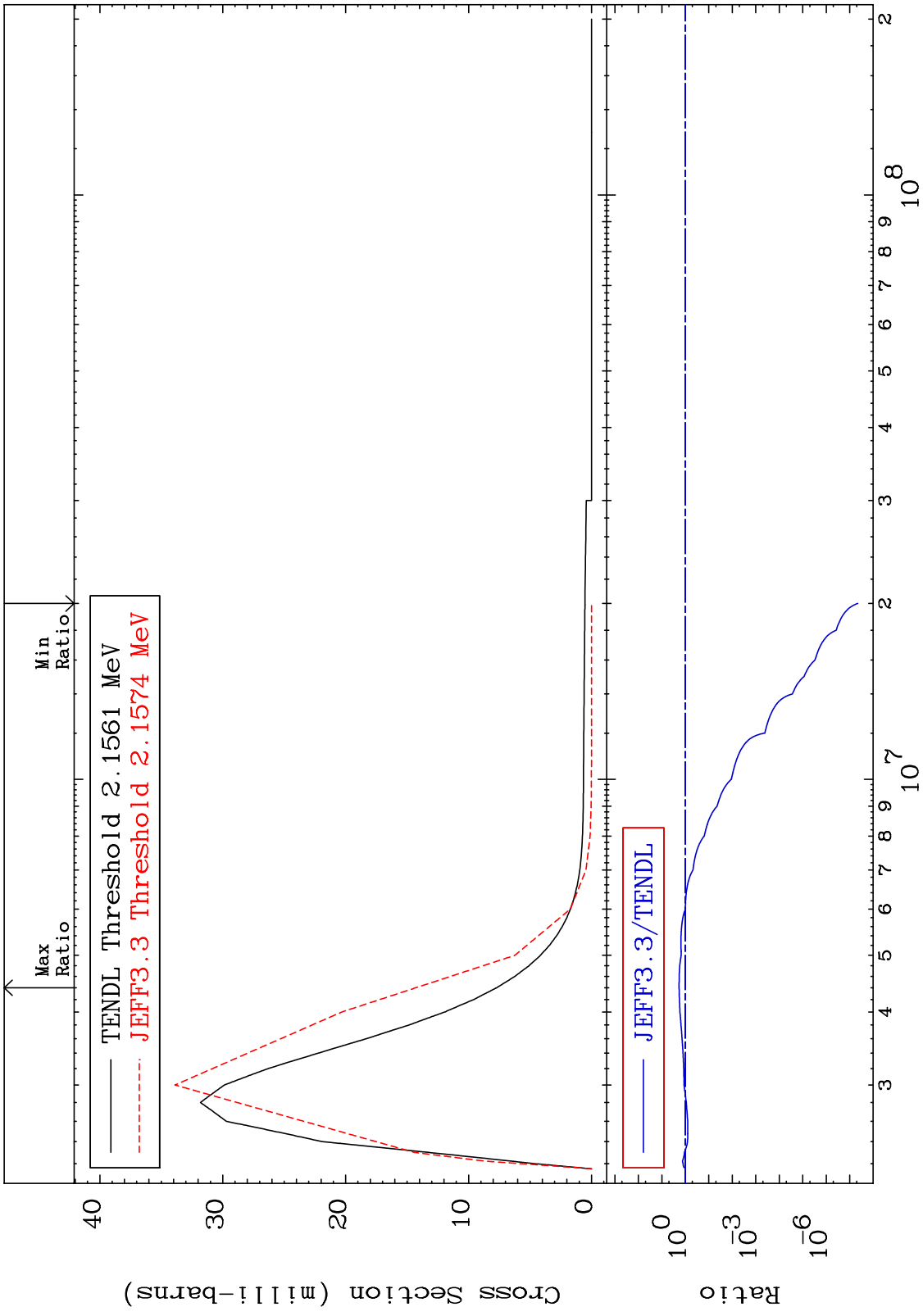


MAT 5643 MT= 58 (n,n') Level Cross Section 56-Ba-136 -100.0 To 48.98 %

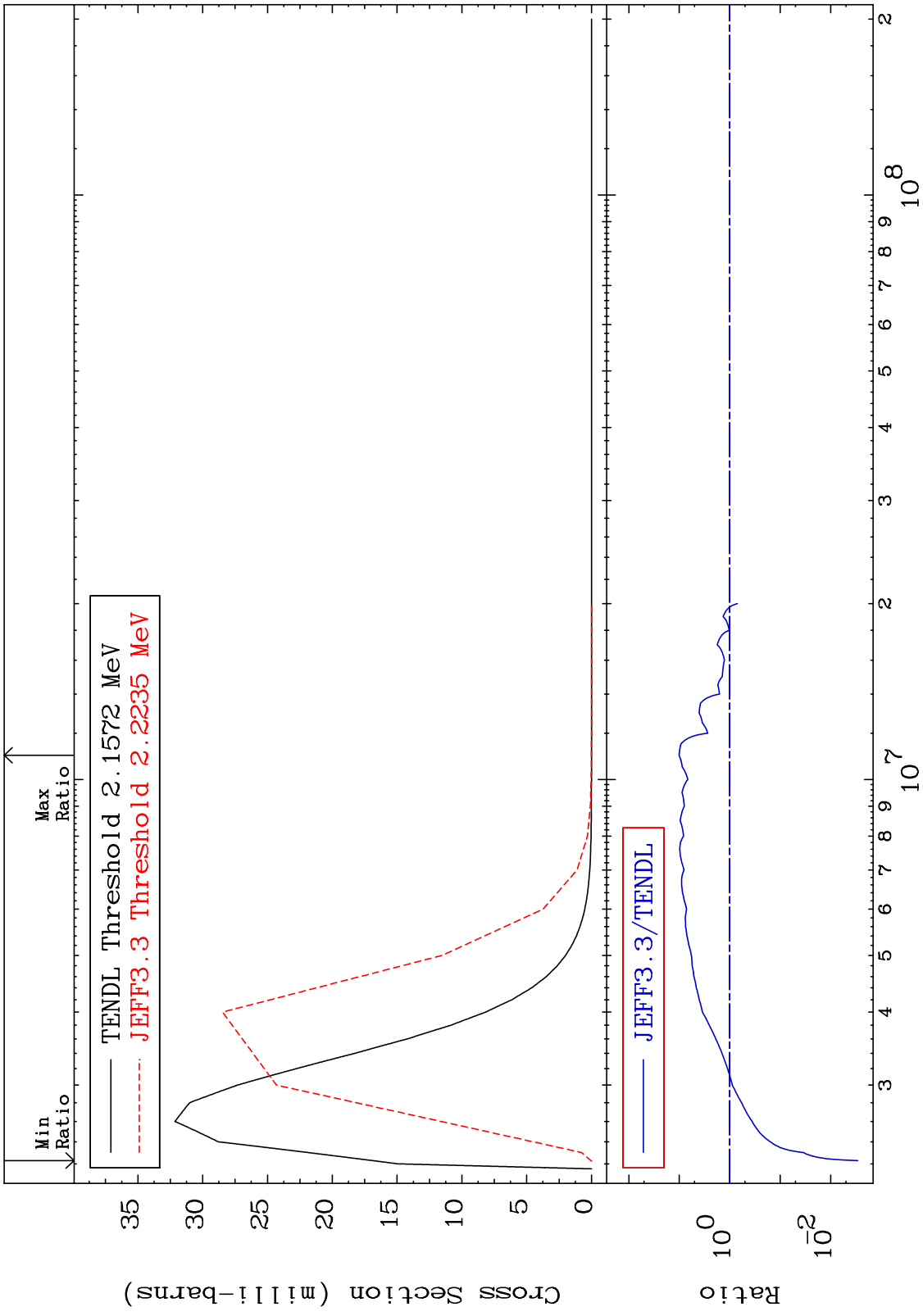




MAT 5643 MT= 59 (n,n') Level Cross Section 56-Ba-136 -100.0 To 85.18 %



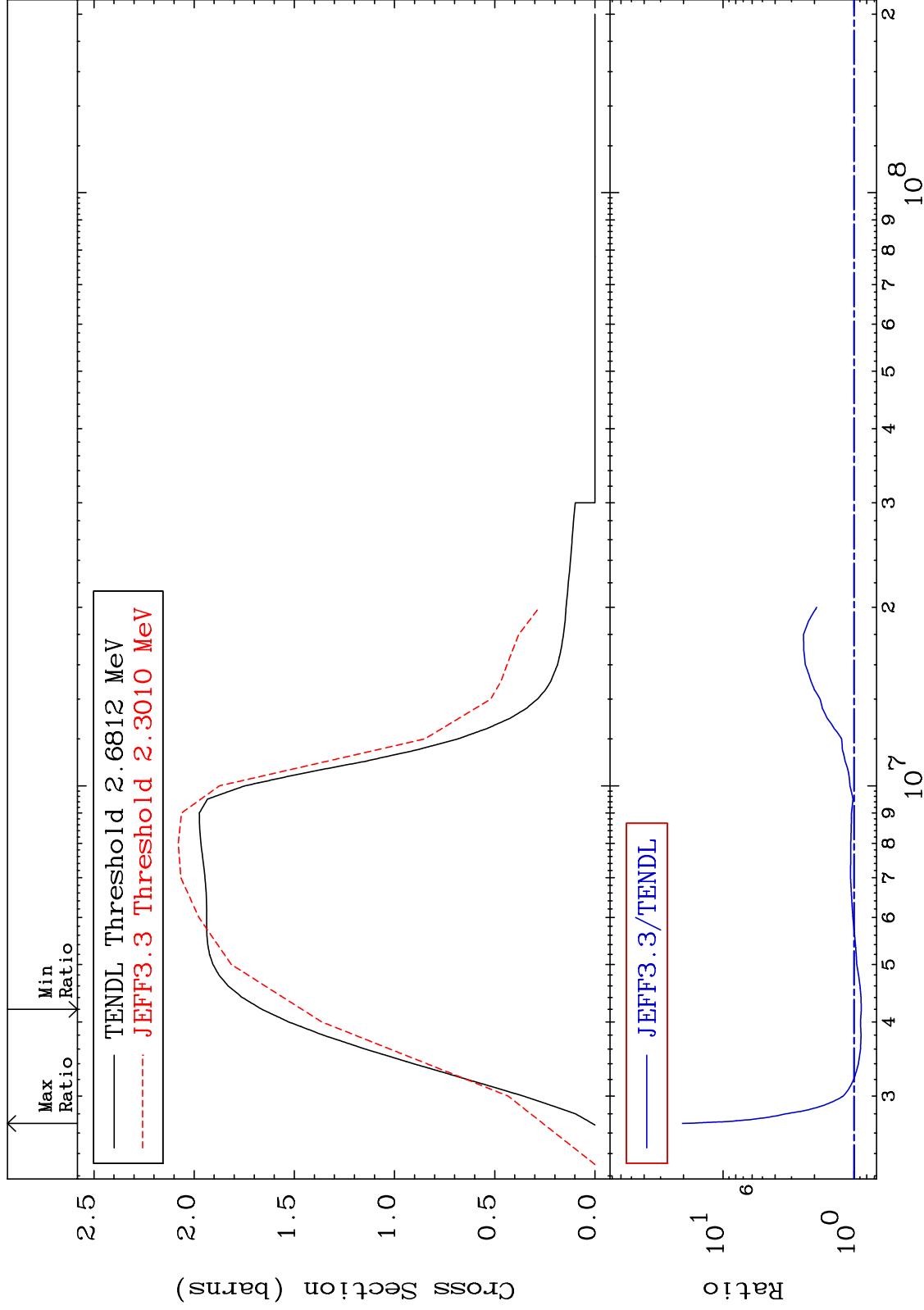
MAT 5643 MT= 60 (n,n') Level Cross Section 56-Ba-136 -99.71 To 911.6 %



MAT 5643

(n,n') Continuum  
Cross Section

56-Ba-136  
-12.05 To 1938. %



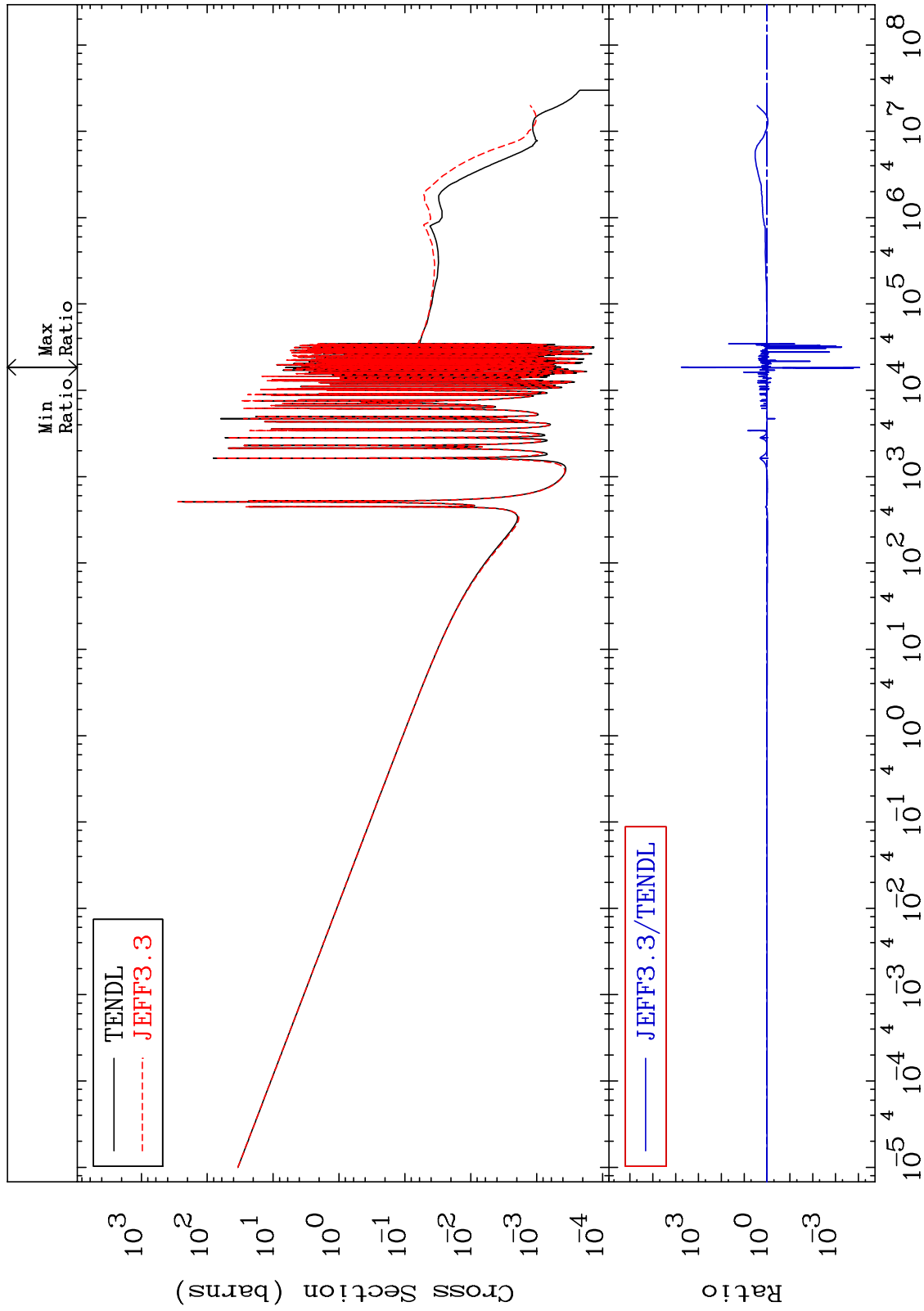
MAT 5643

(n,  $\gamma$ )

56-Ba-136

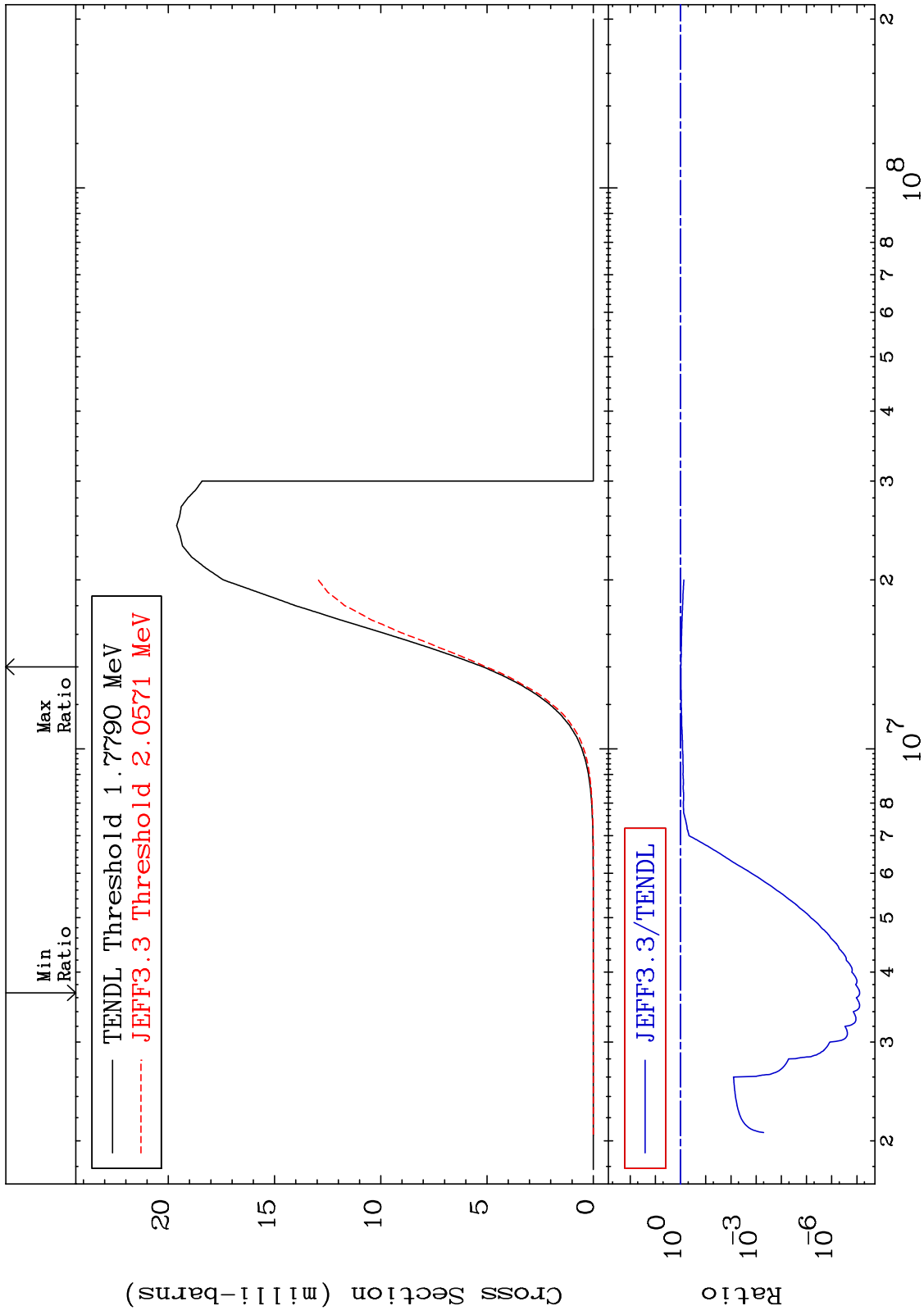
Cross Section

-99.99 To 9999. %



MAT 5643

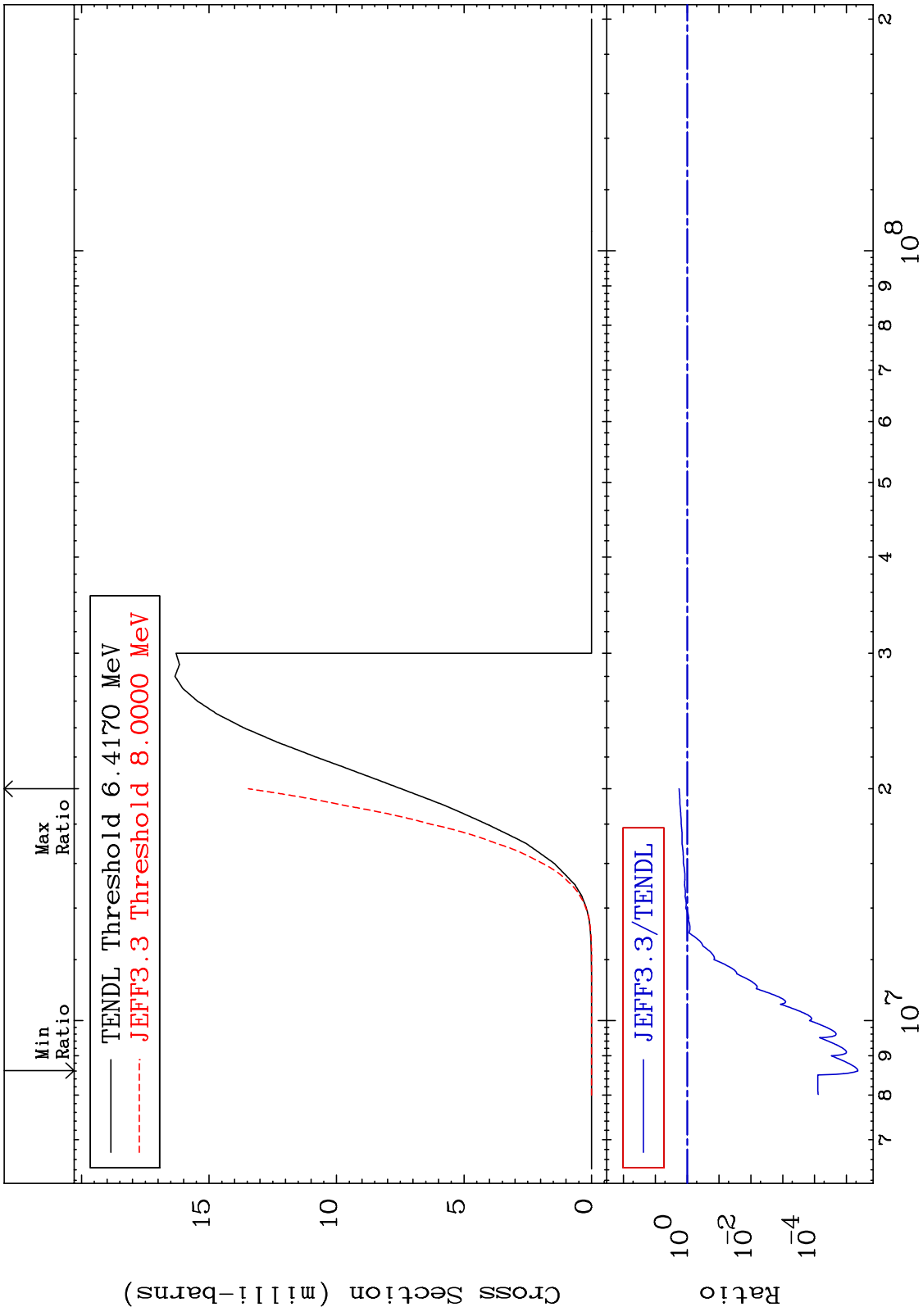
(n,p) Cross Section  
56-Ba-136  
-100.0 To -2.395%



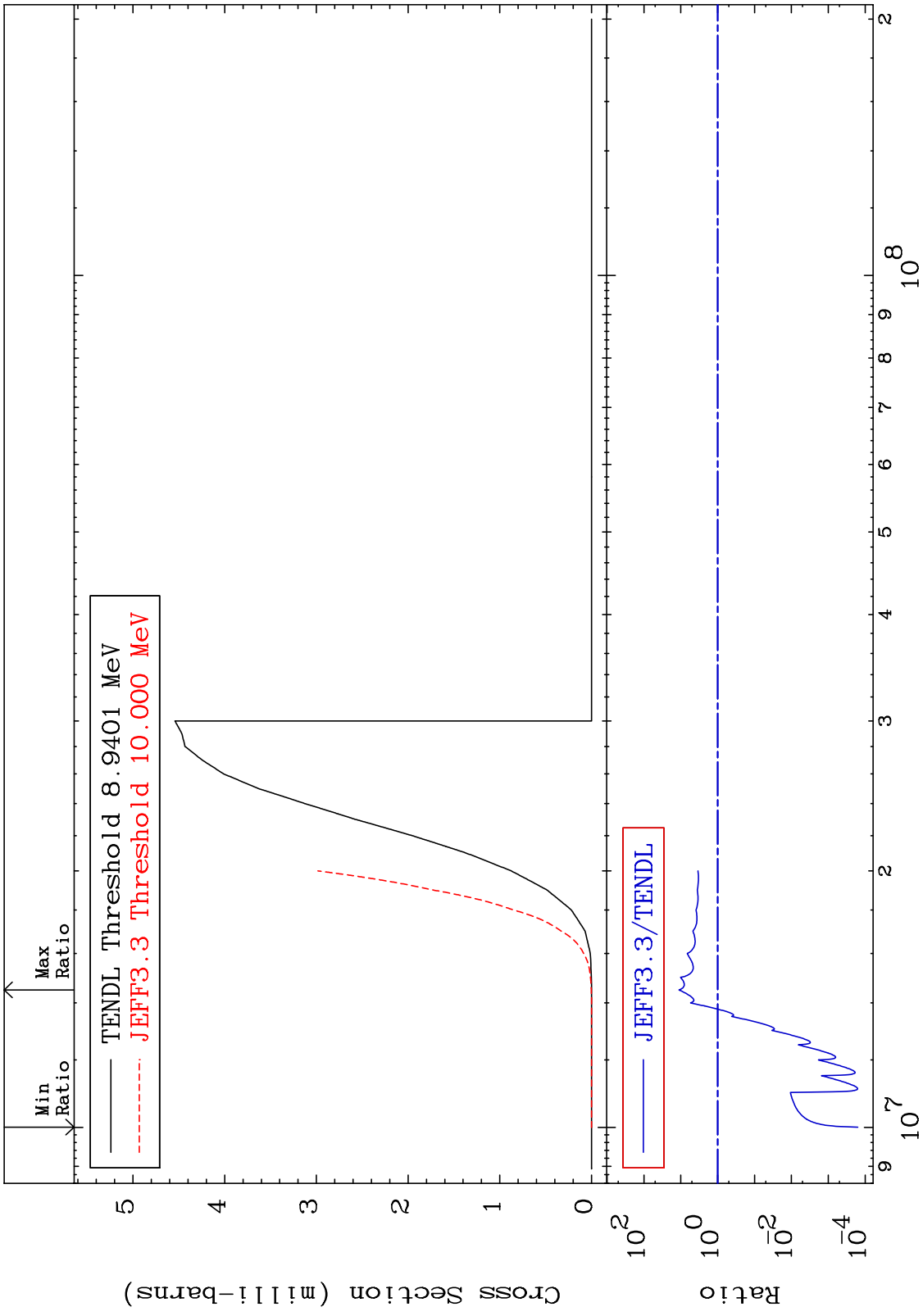
20

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. %



Incident Energy (eV) 56-Ba-136

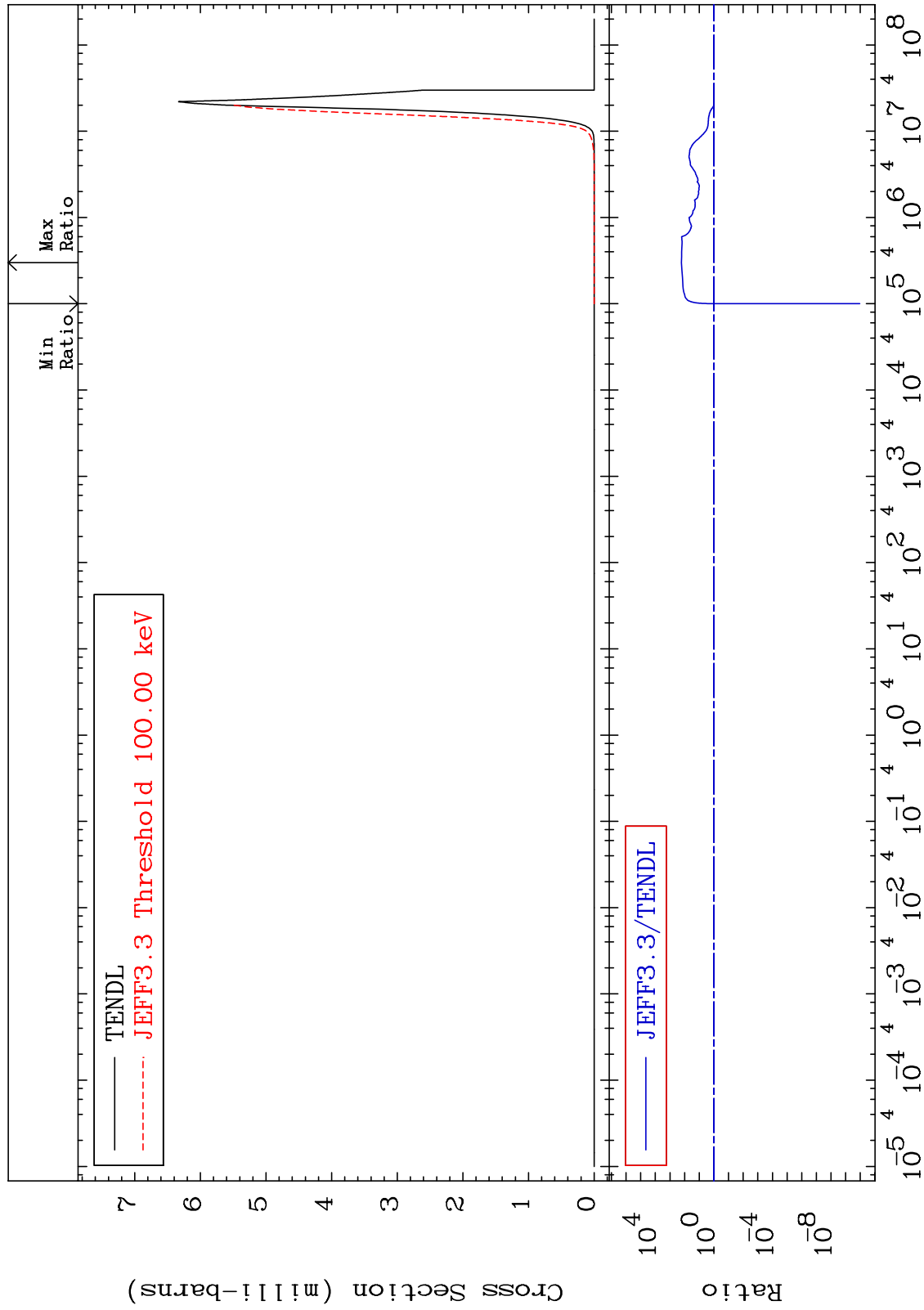
MAT 5643

(n,  $\alpha$ )

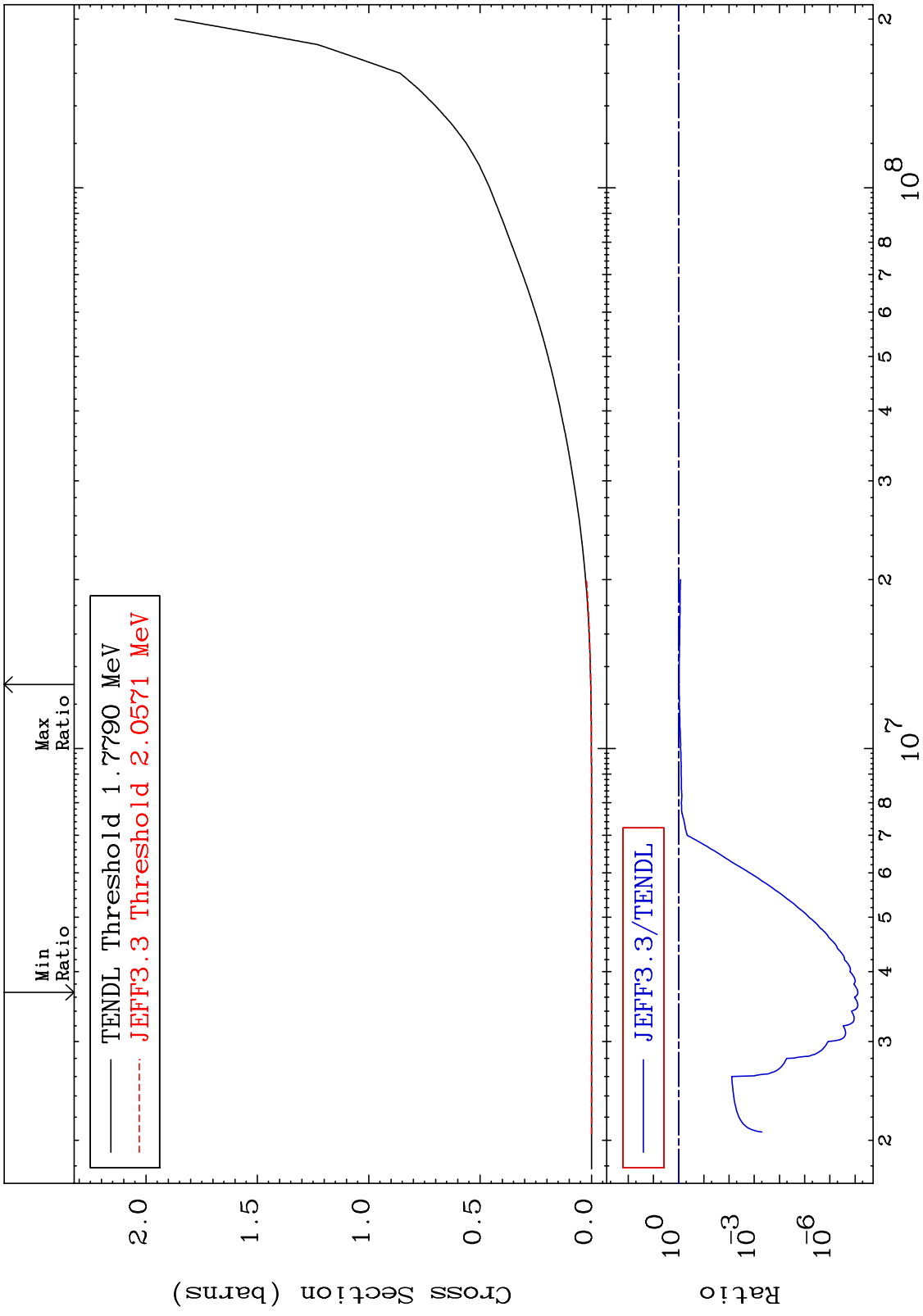
56-Ba-136

Cross Section

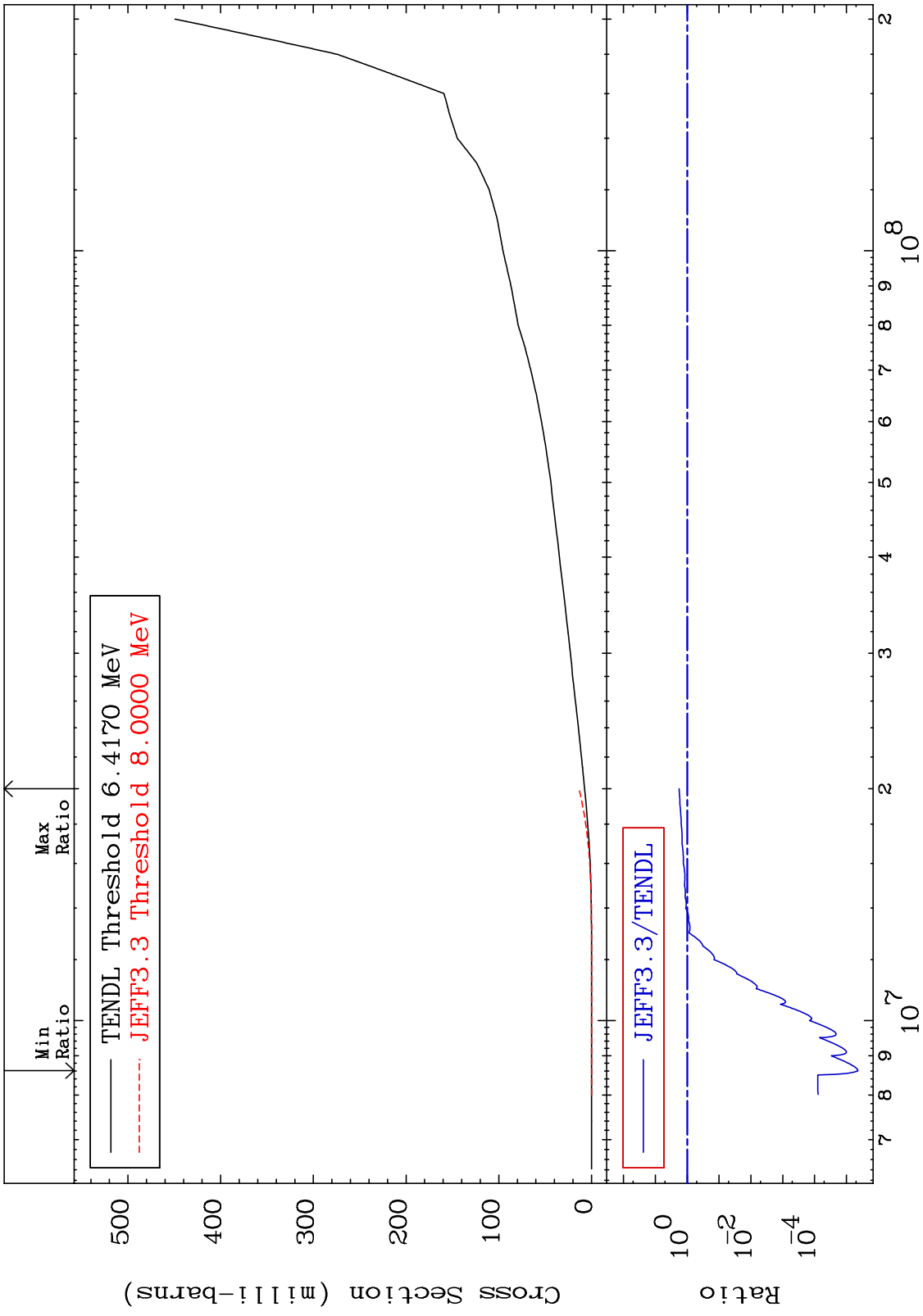
-100.0 To 9999. %







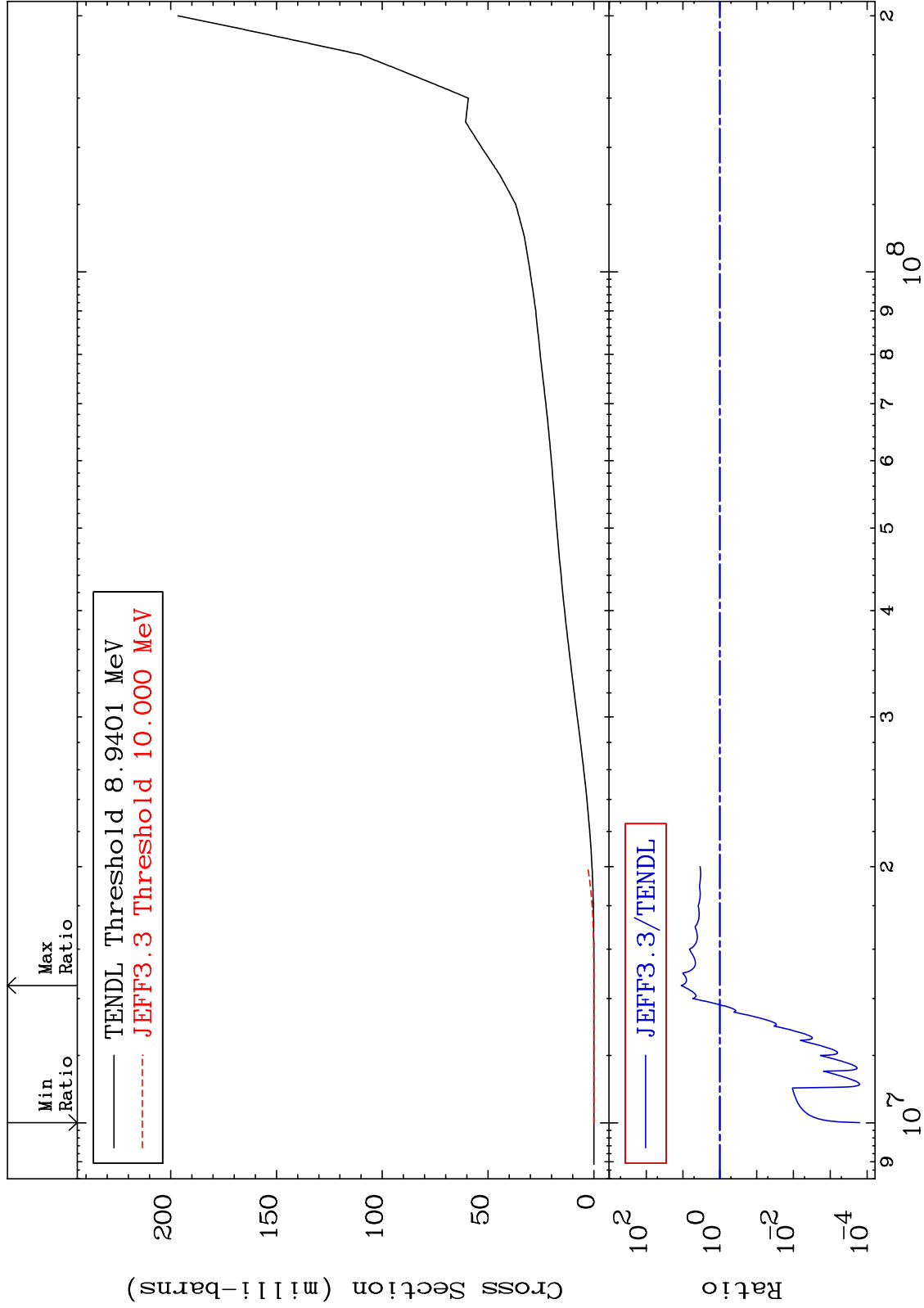
MAT 5643 Deuterium Production Cross Section 56-Ba-136 -100.0 To 80.11 %



MAT 5643

Tritium Production  
Cross Section

56-Ba-136  
-99.98 To 1017. %



26

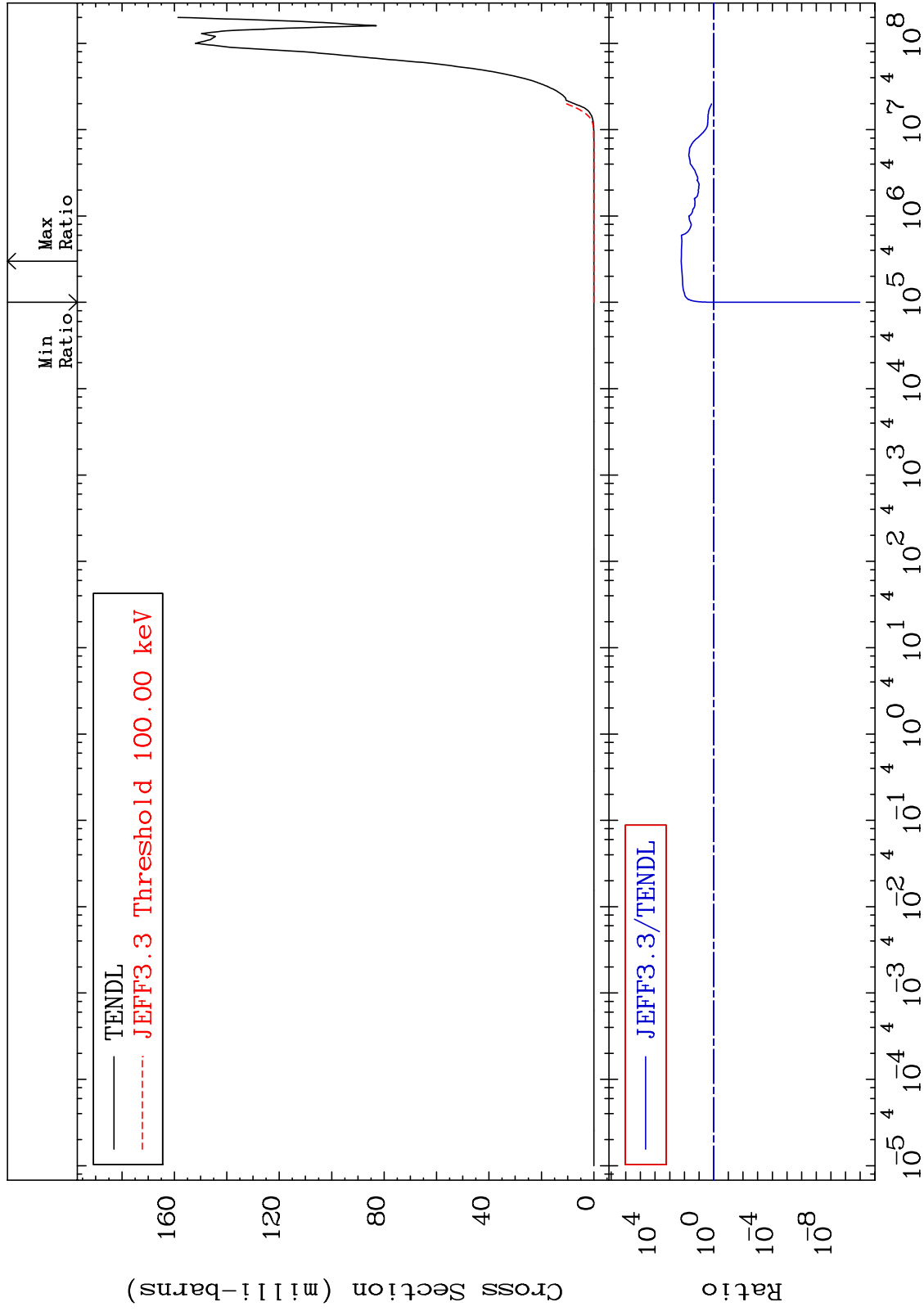
Incident Energy (eV)

56-Ba-136

MAT 5643

He-4 Production  
Cross Section

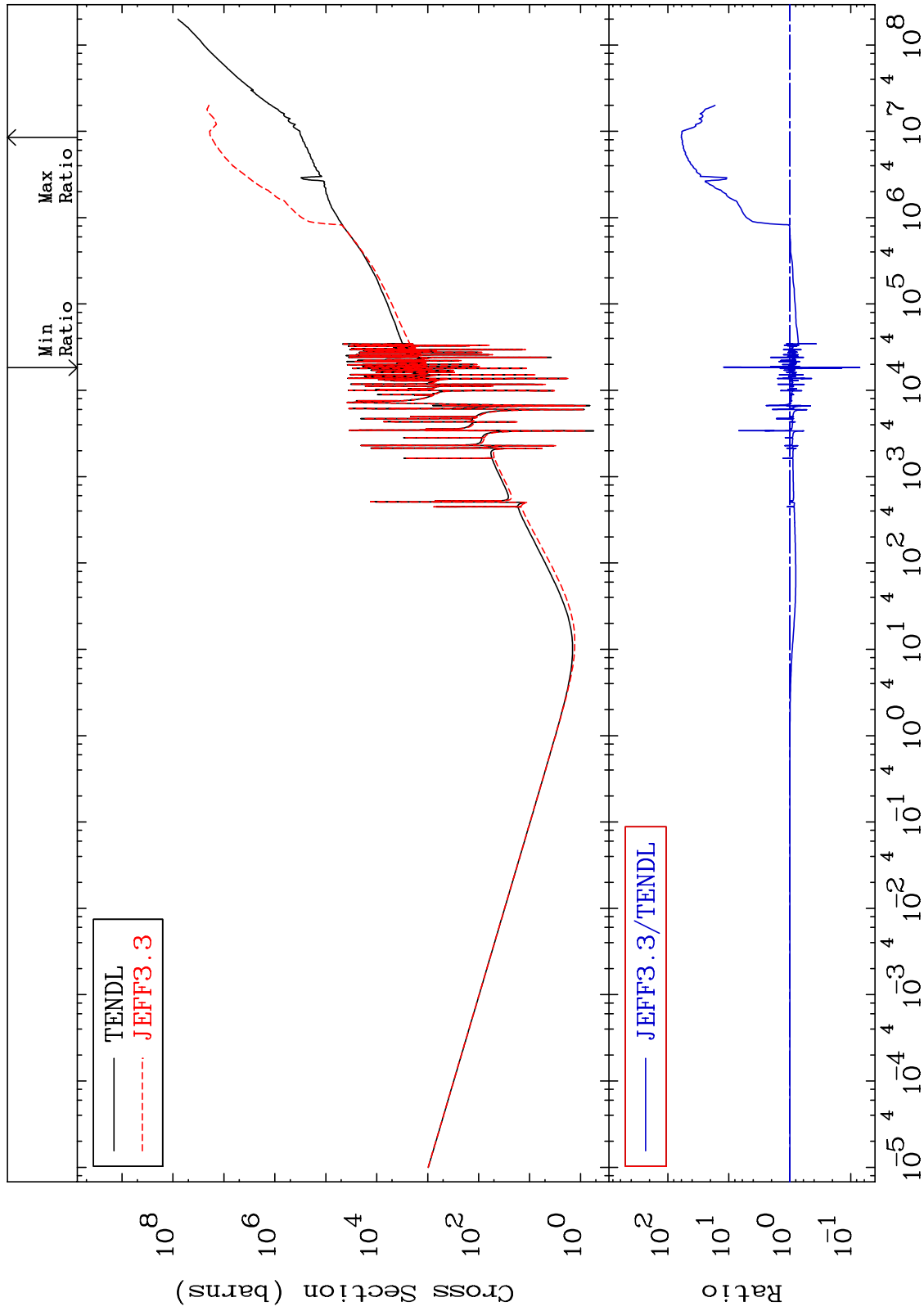
56-Ba-136  
-100.0 To 9999. %



MAT 5643

Kerma total (eV-barns)  
Cross Section

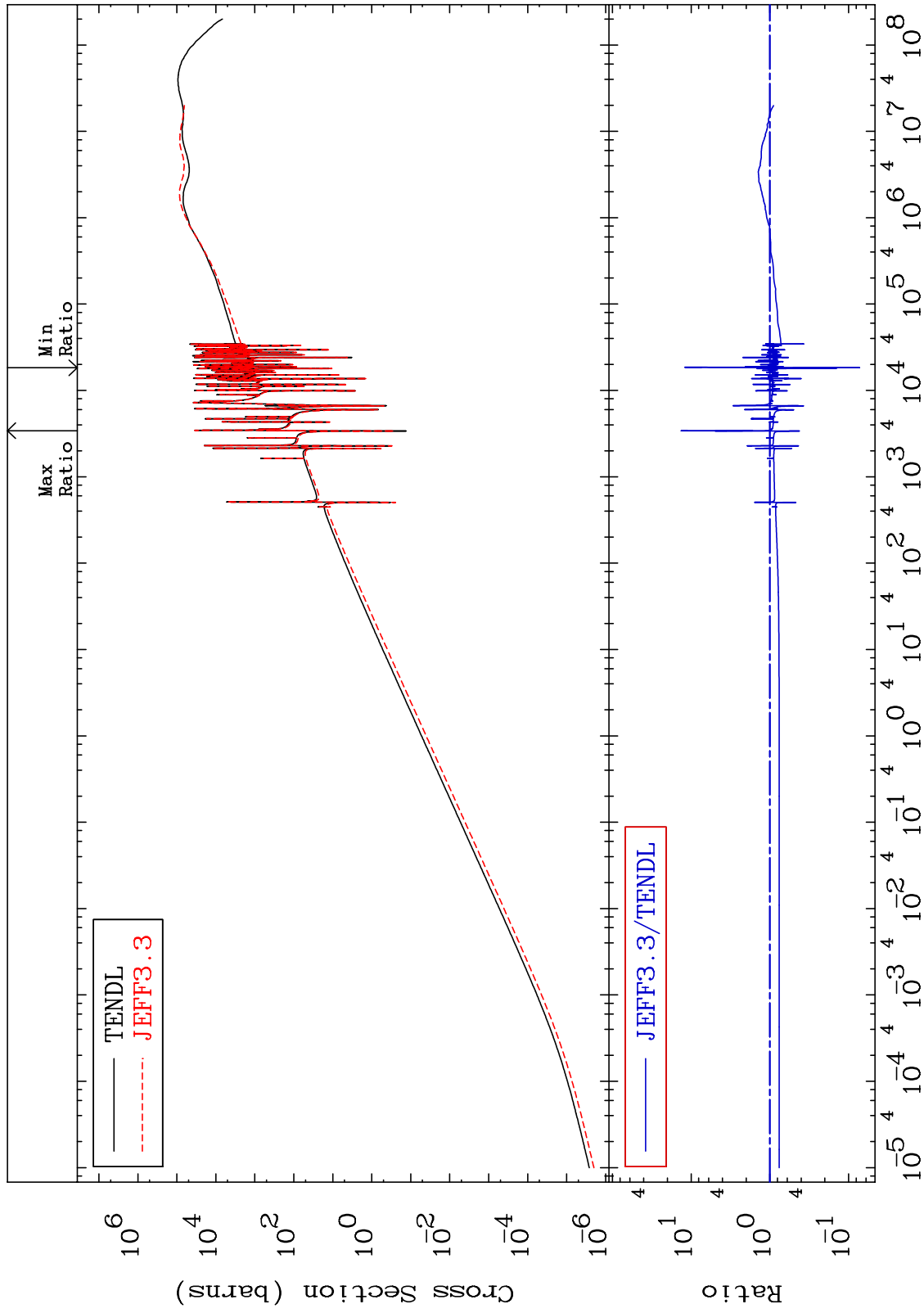
56-Ba-136  
-92.87 To 5939. %



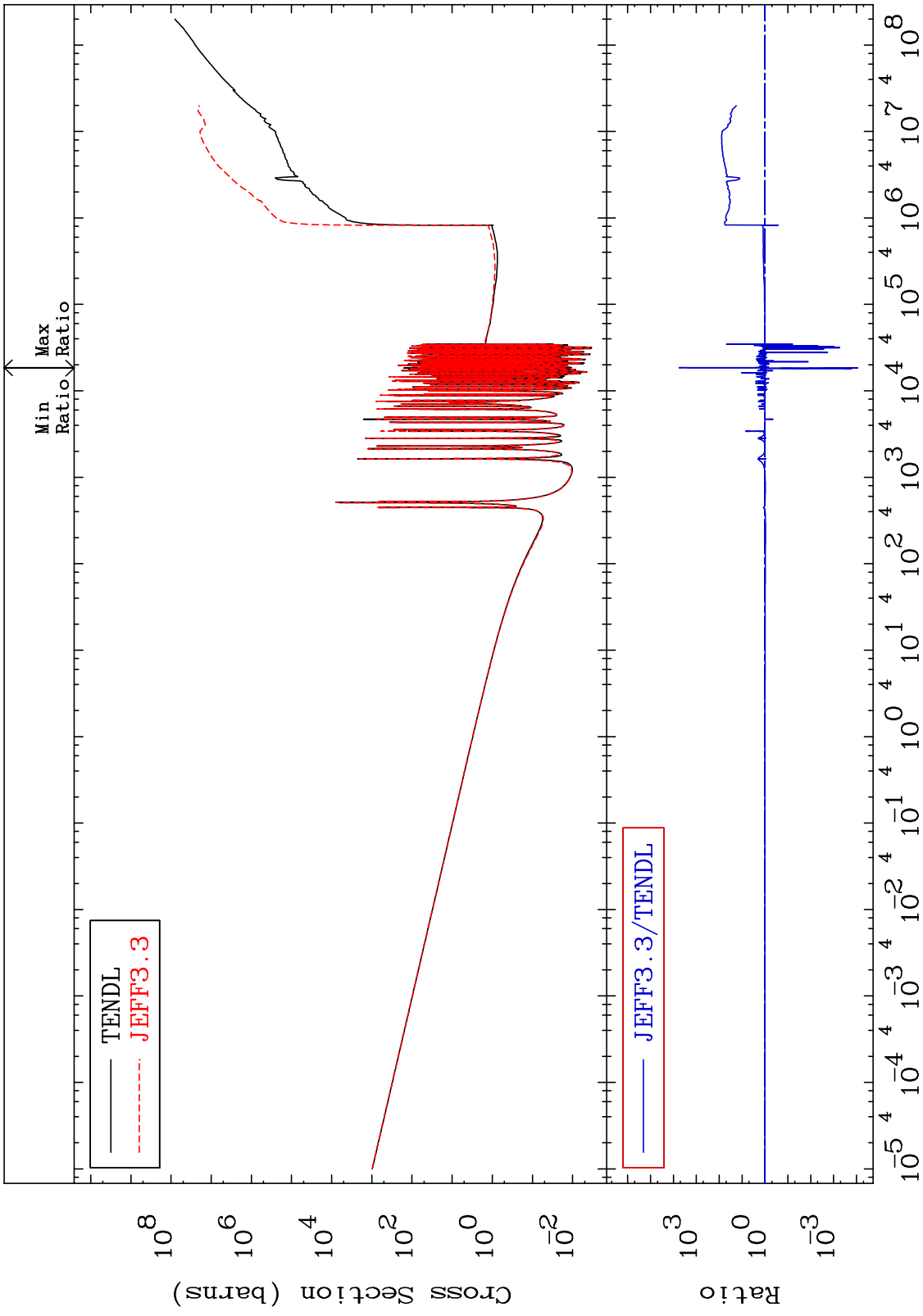
MAT 5643

Kerma elastic  
Cross Section

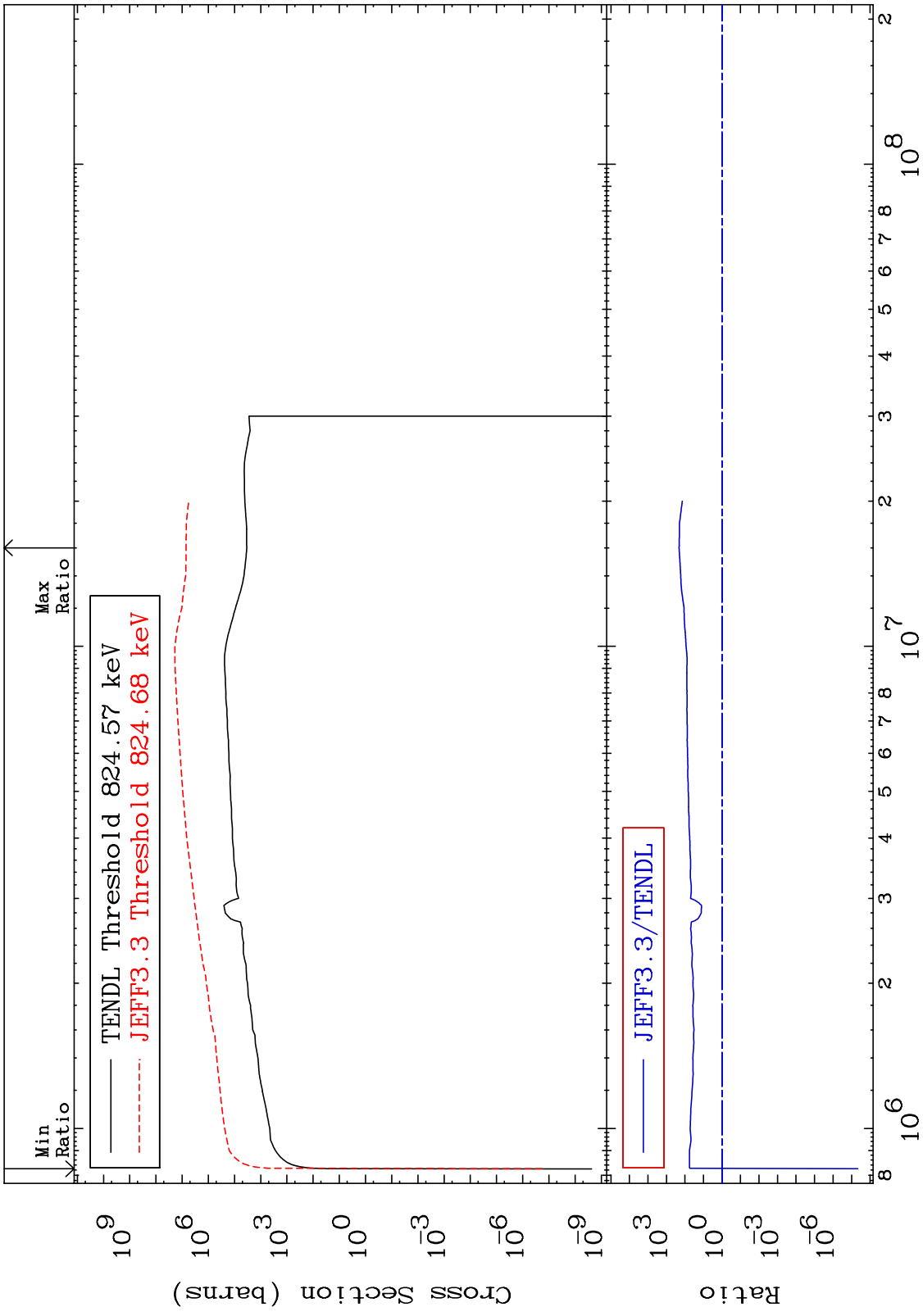
56-Ba-136  
-92.80 To 1235. %



MAT 5643      Kerma non-elastic (all but mt2)      56-Ba-136  
 Cross Section      -99.99 To 9999. %



MAT 5643      Kerma inelastic (mt51-91)      56-Ba-136  
 -100.0 To 9999. %

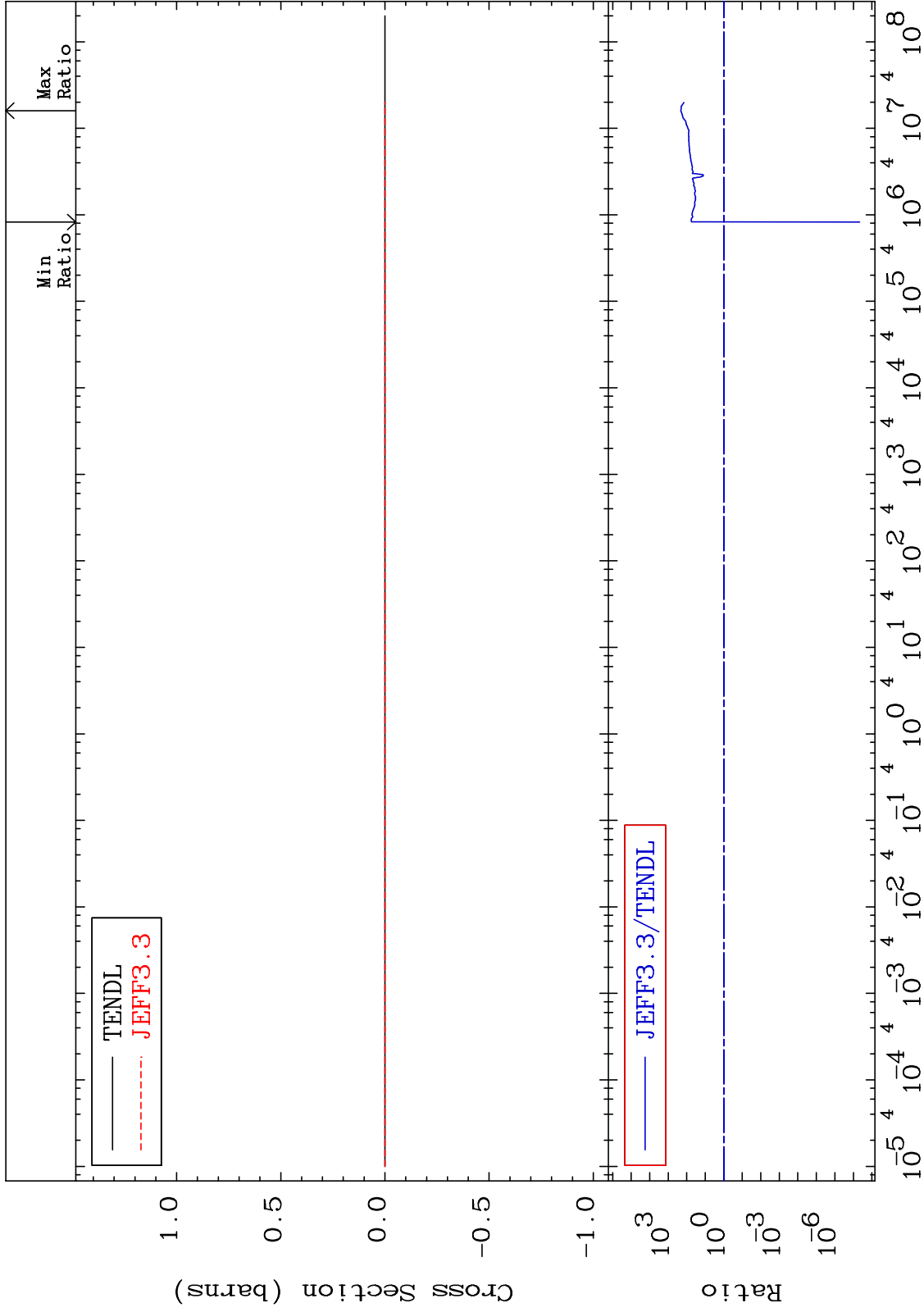




MAT 5643

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

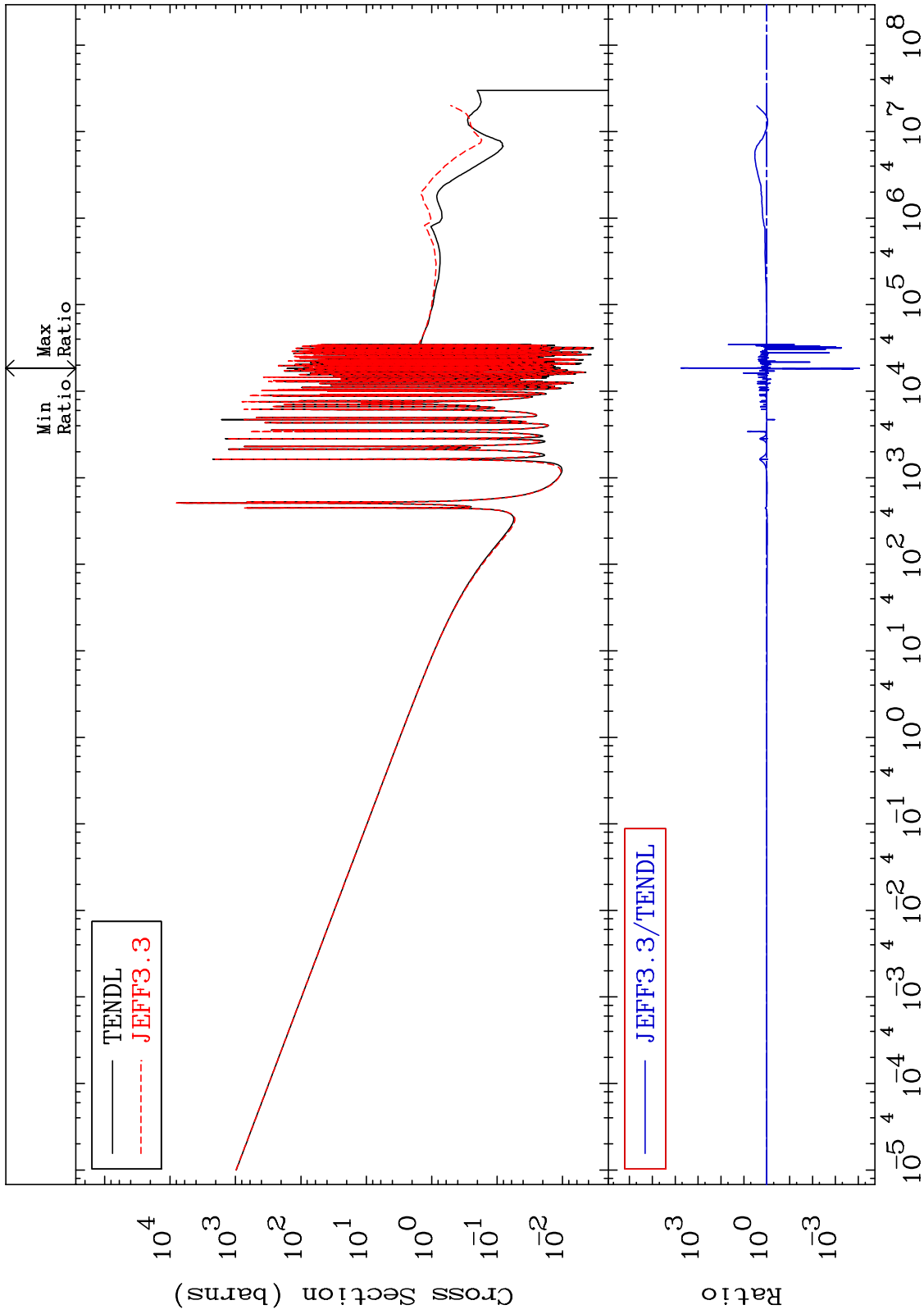
56-Ba-136  
-100.0 To 9999. %



MAT 5643

Kerma capture (mt102)  
Cross Section

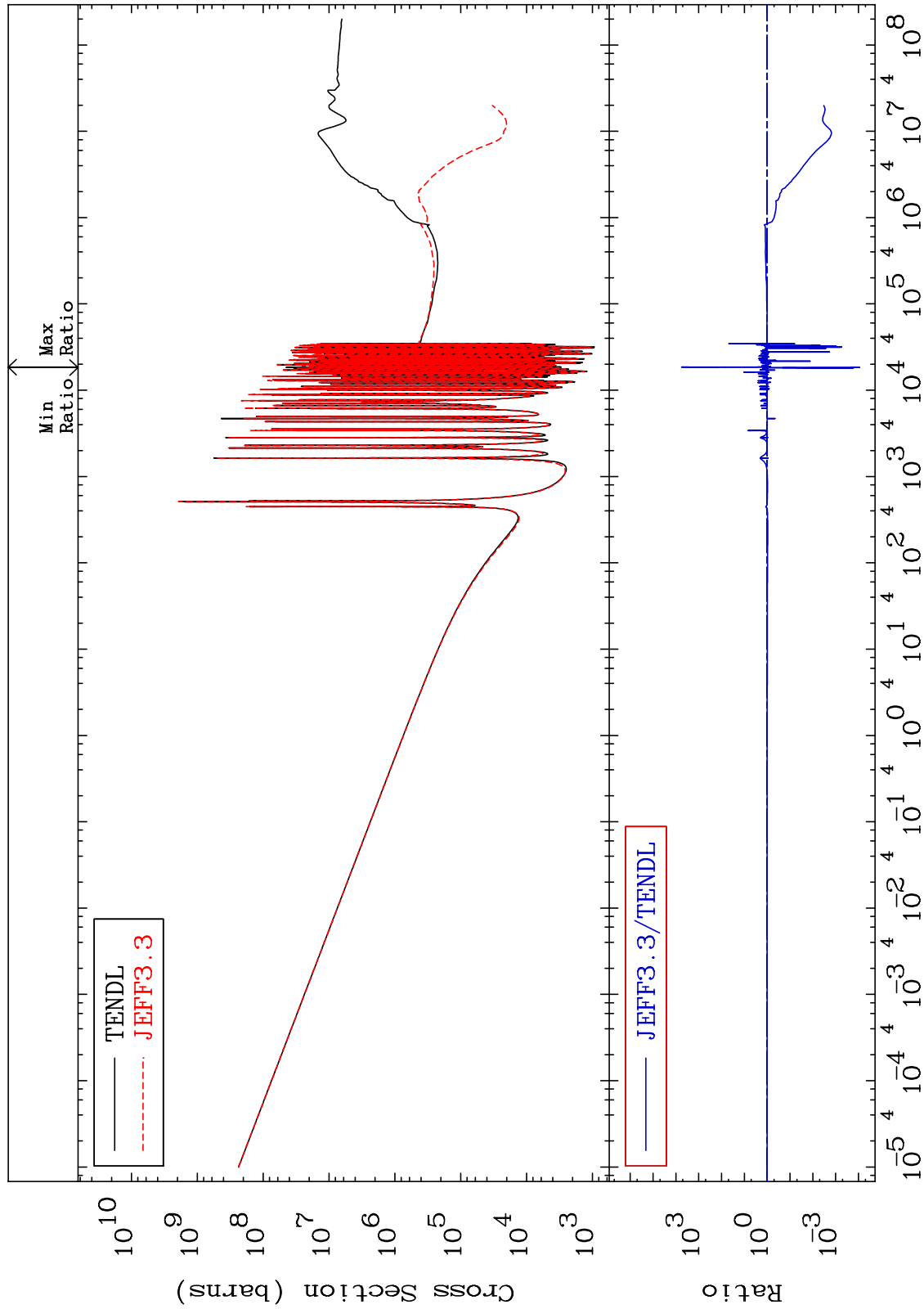
56-Ba-136  
-99.99 To 9999. %



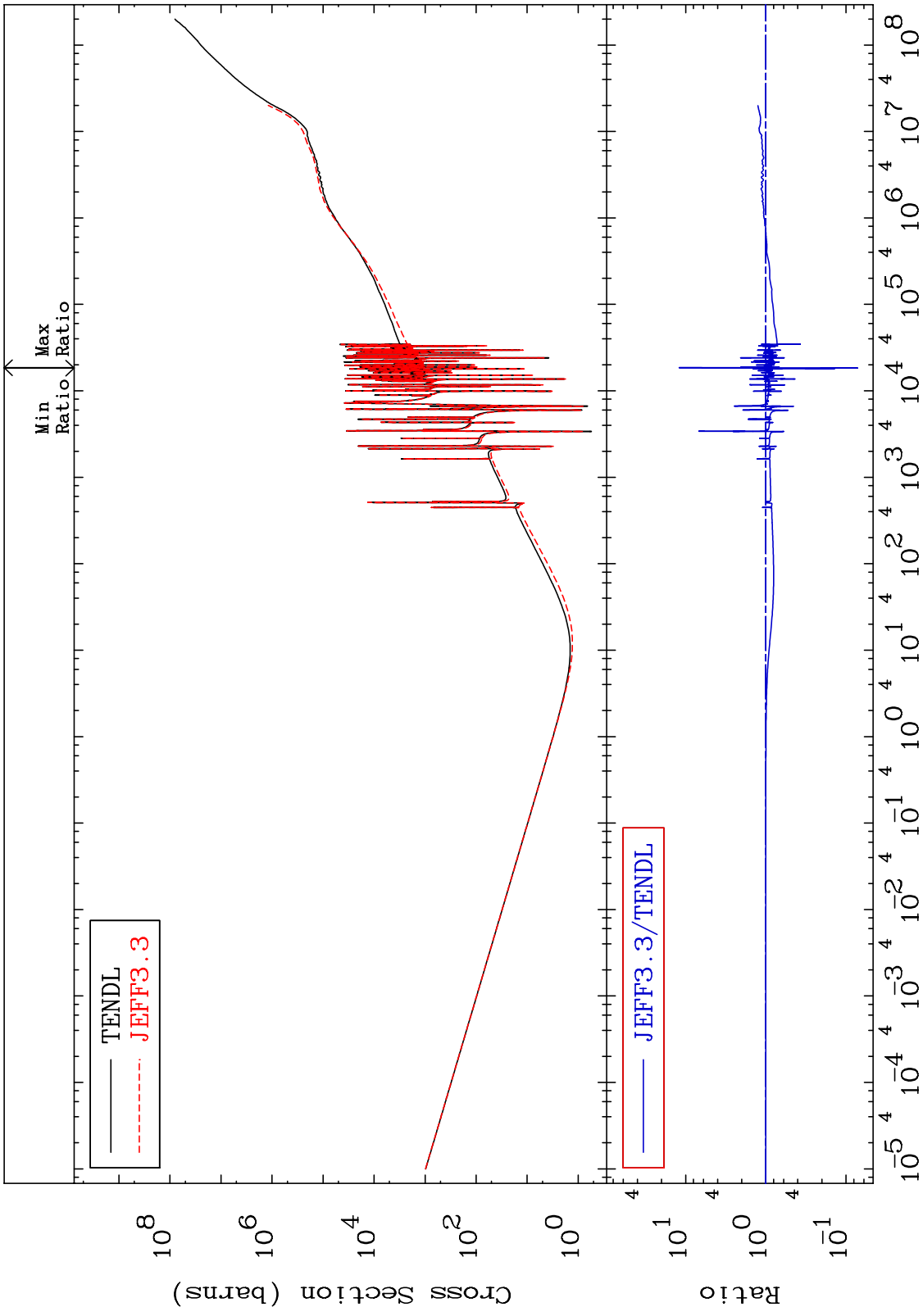
MAT 5643

Total photon (eV-barns)  
Cross Section

56-Ba-136  
-99.99 To 9999. %



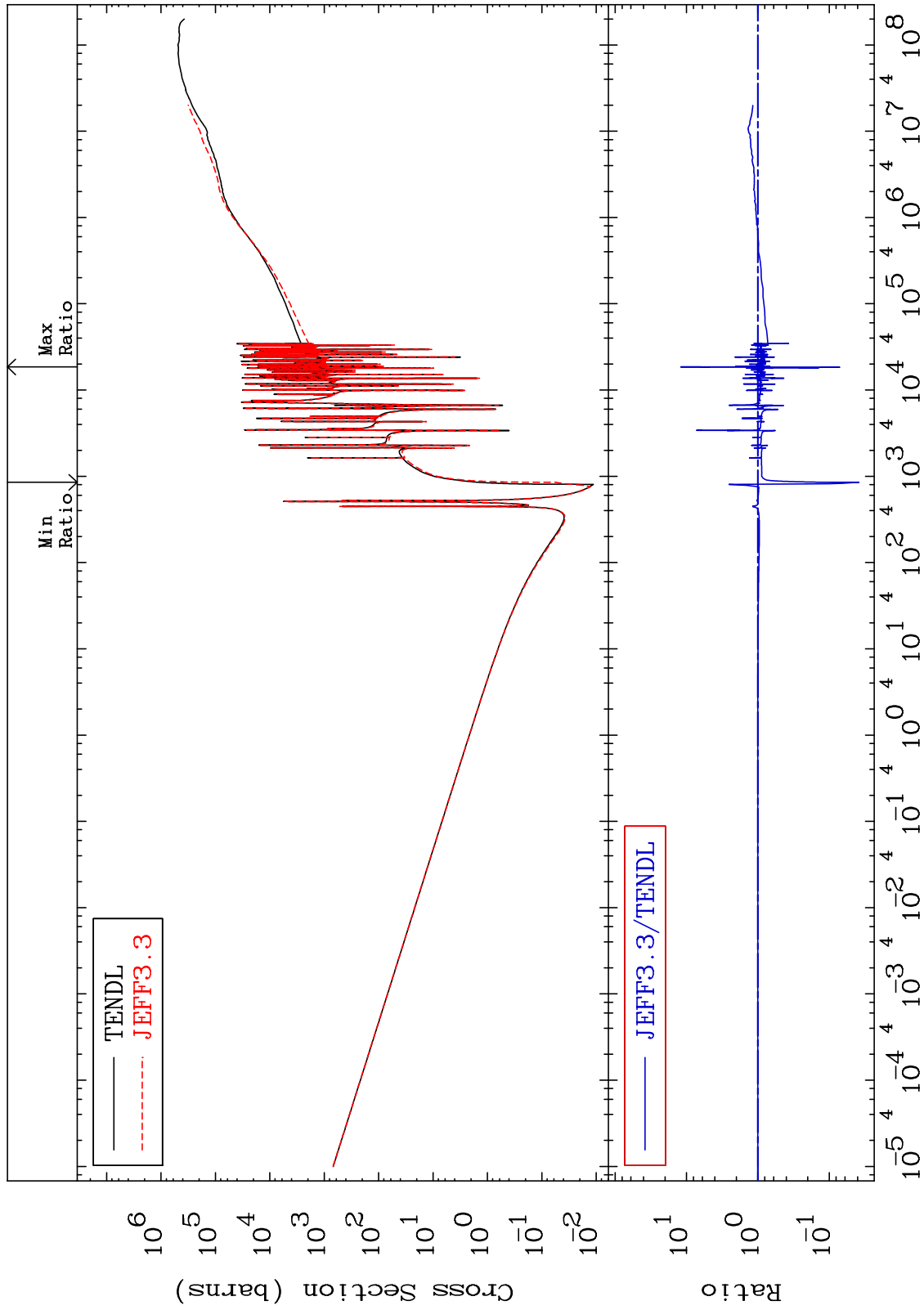
MAT 5643 Total kinematic kerma (high limit) 56-Ba-136  
 Cross Section -92.87 To 1109. %



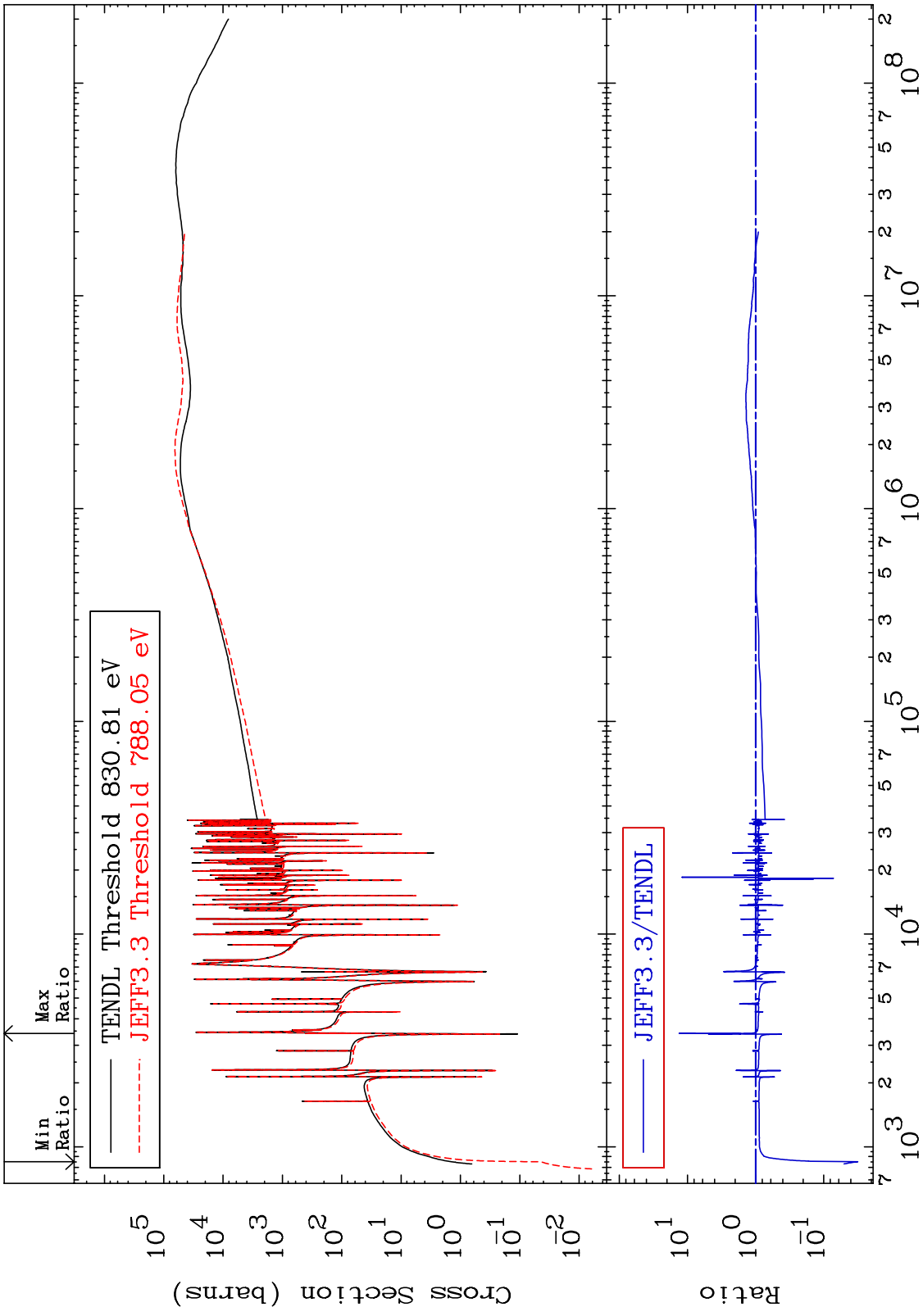
MAT 5643

Dpa total (eV-barns)  
Cross Section

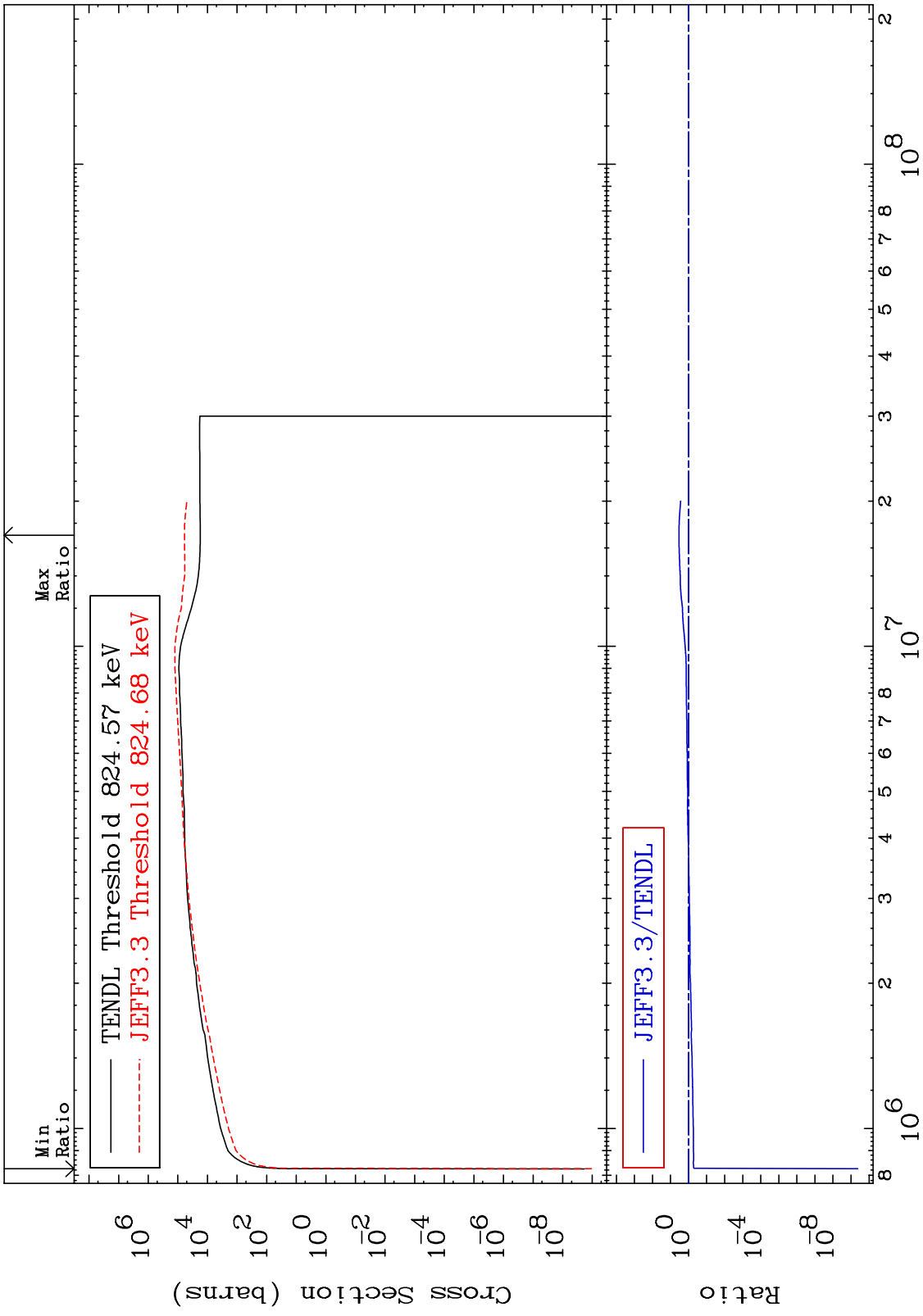
56-Ba-136  
-96.17 To 1107. %



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



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



MAT 5643

Dpa disappearance (mt102 -120)  
Cross Section

56-Ba-136  
-99.99 To 9999. %

