

Program Complot  
(Version 2018-1)

by

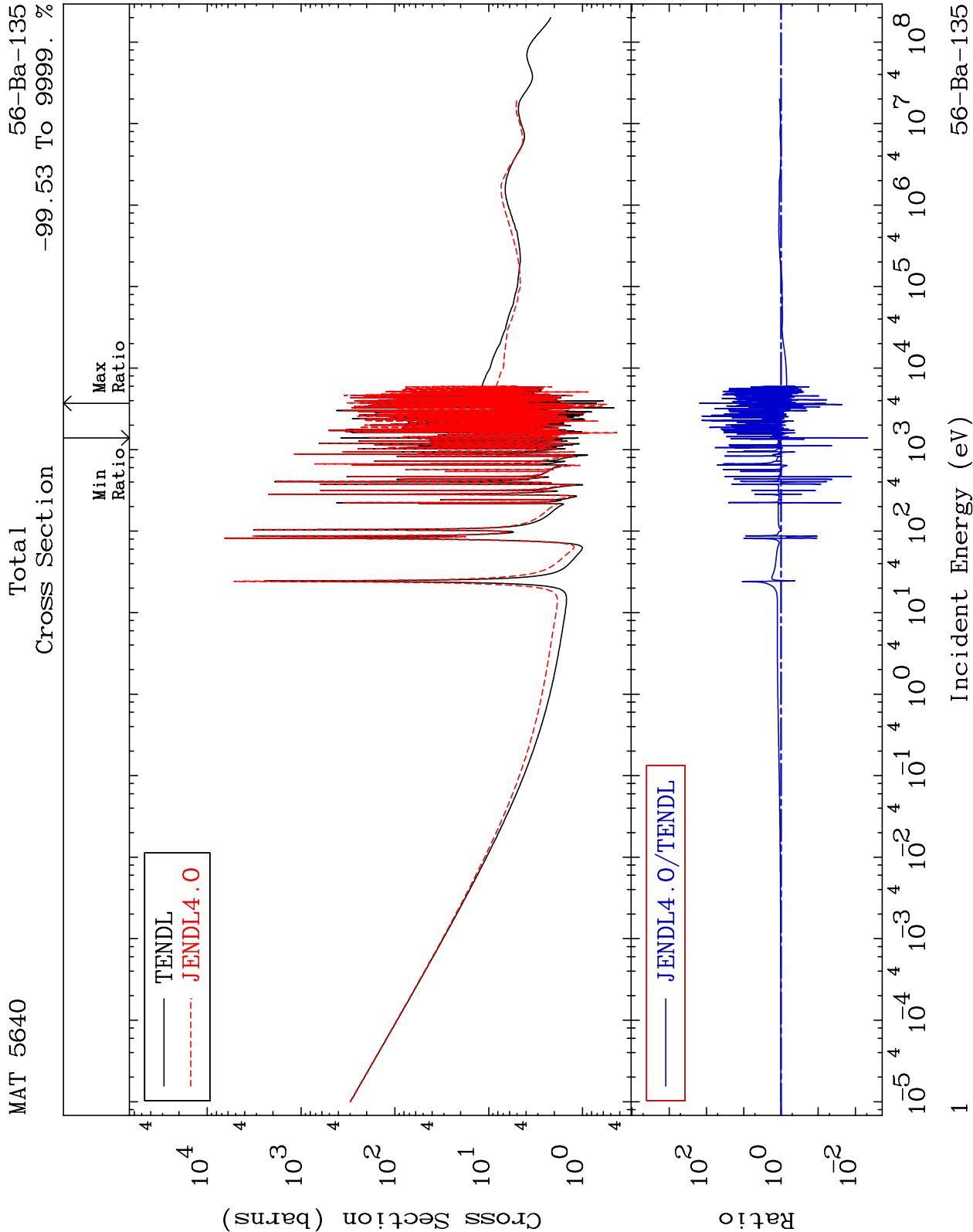
Dermott E. Cullen  
(Present Contact Information)

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1466 Hudson Way  
Livermore, CA 94550  
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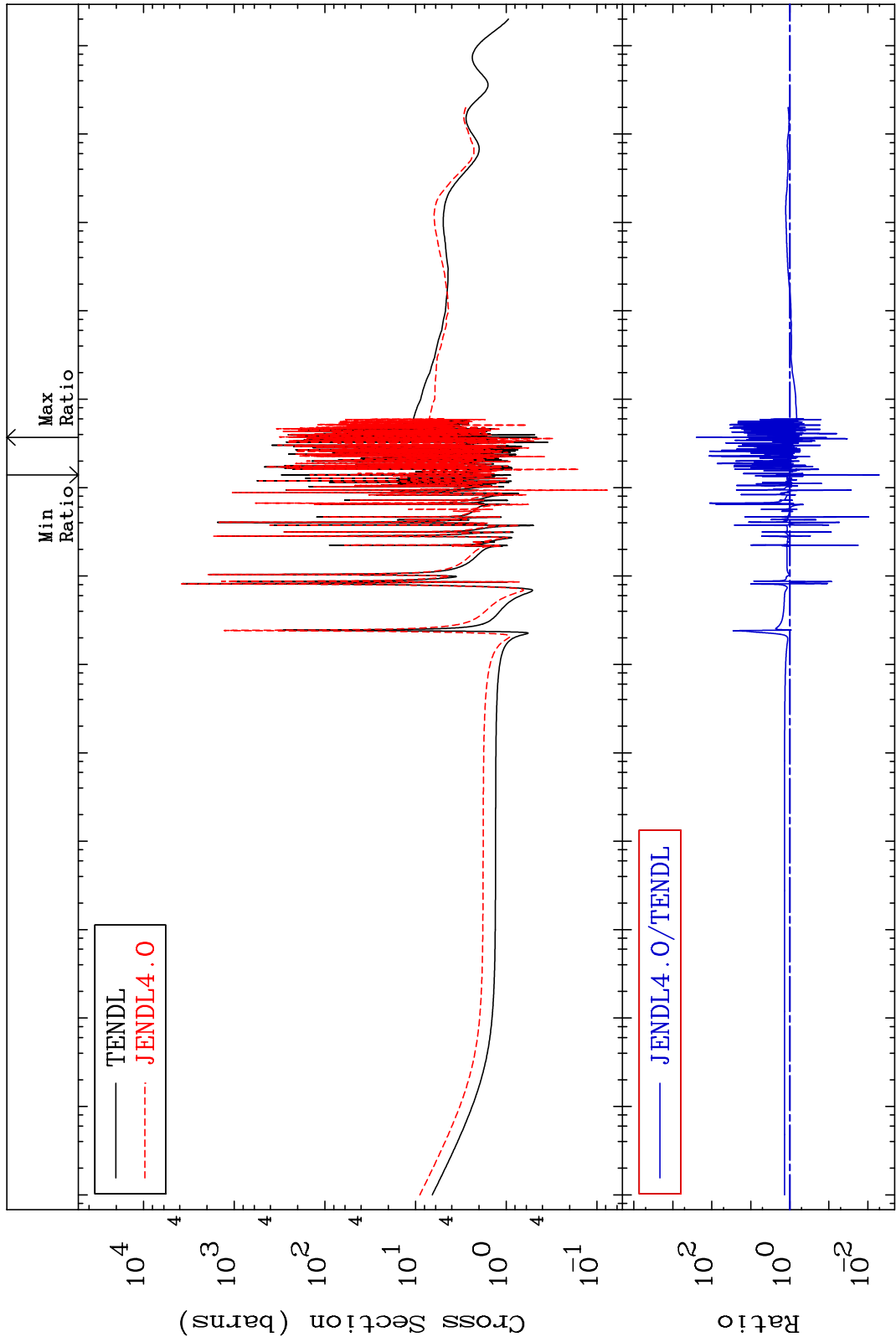
Tele: 925-443-1911

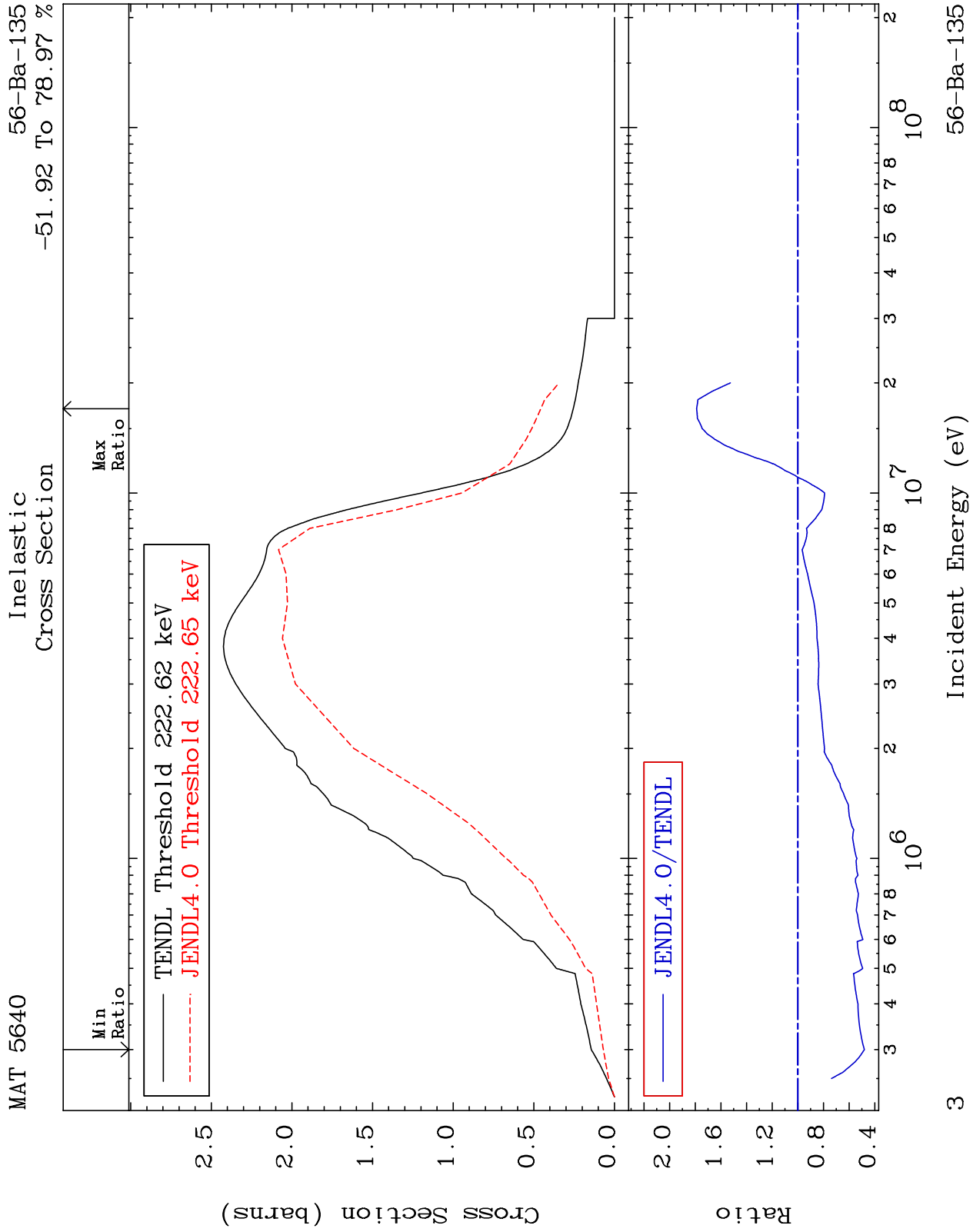
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

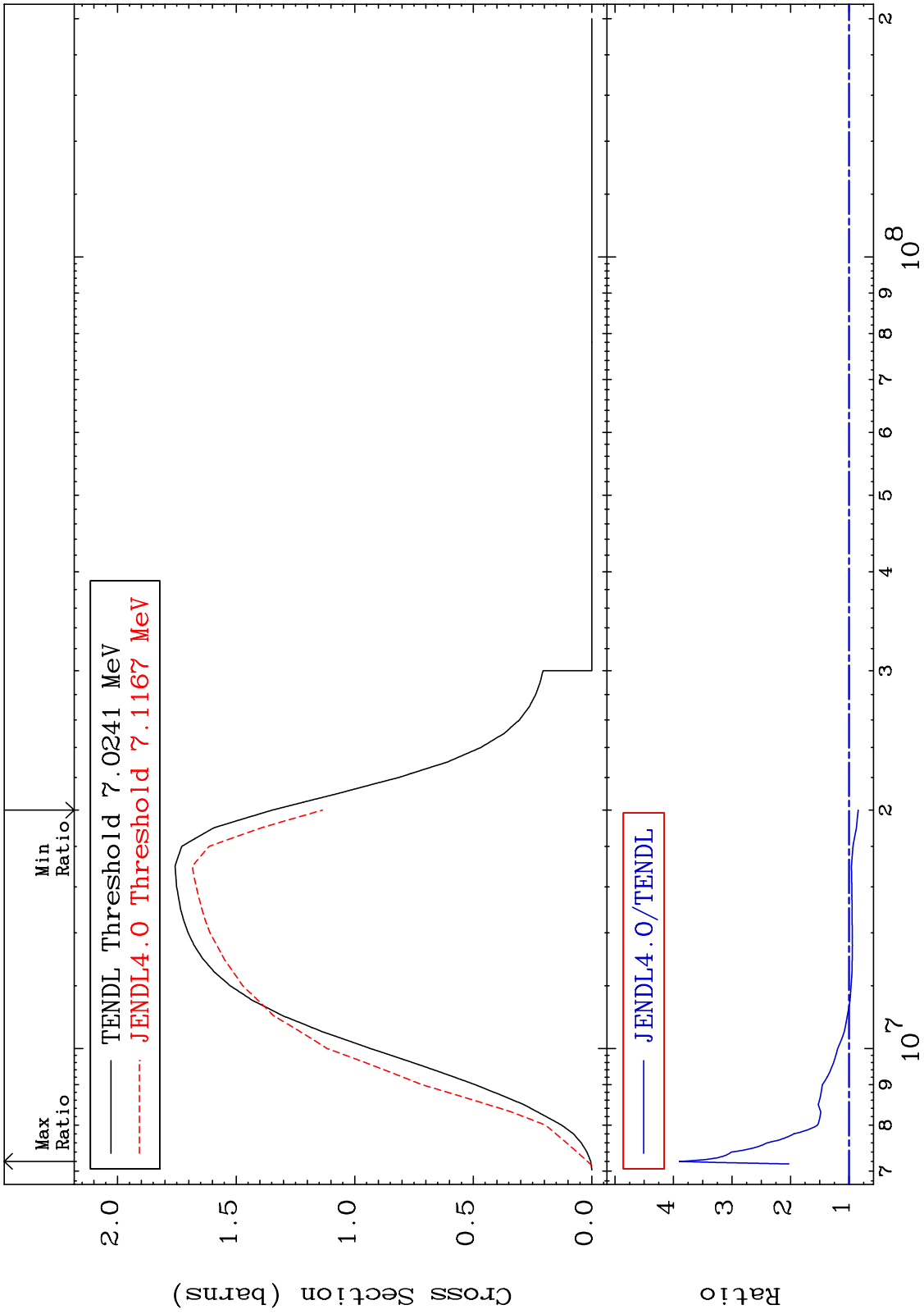


MAT 5640 Elastic Cross Section 56-Ba-135 -99.49 To 9999. %

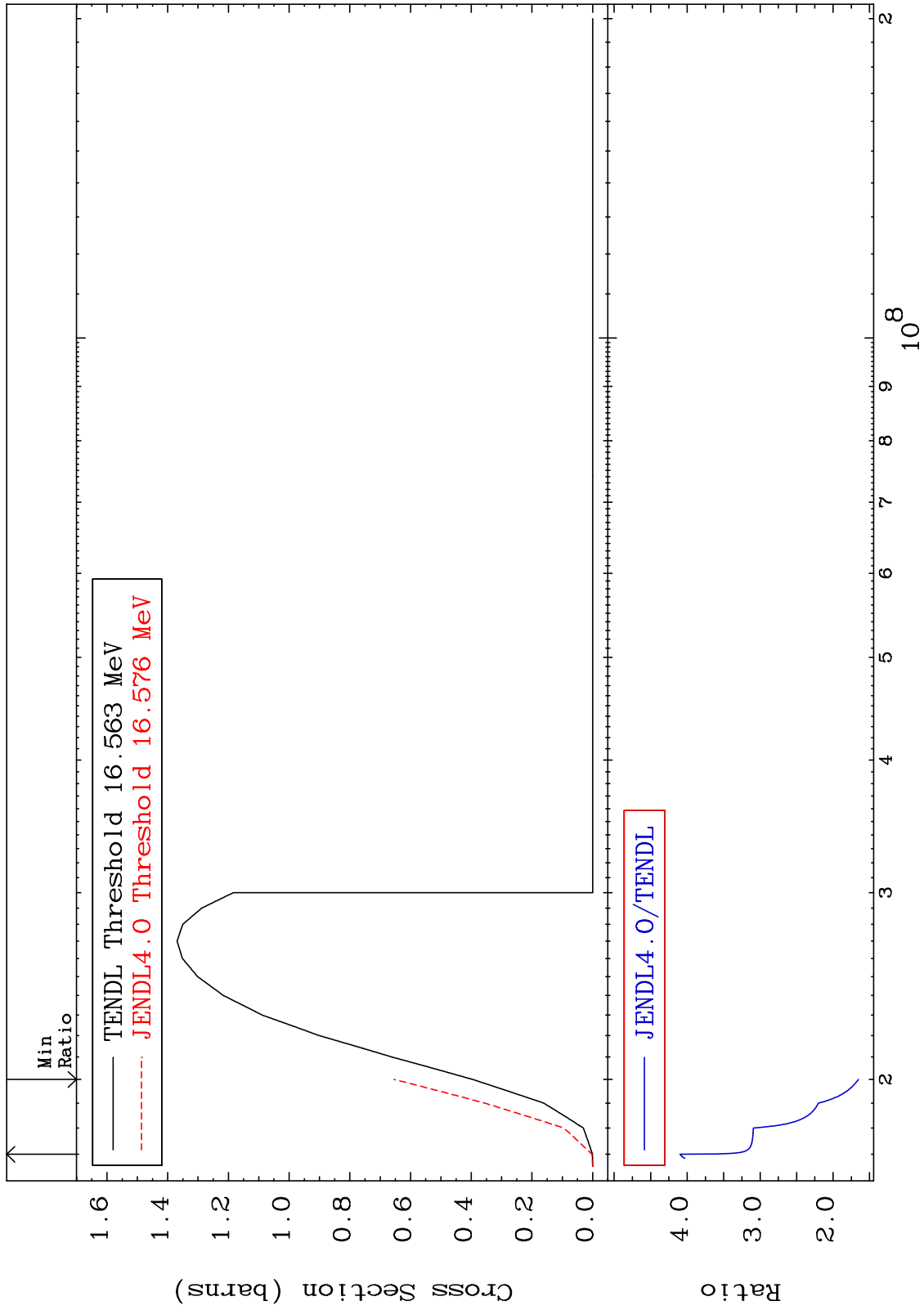




MAT 5640 (n,2n) Cross Section 56-Ba-135 -15.70 To 289.9 %



MAT 5640 (n,3n) Cross Section 56-Ba-135 To 309.8 %  
65.30



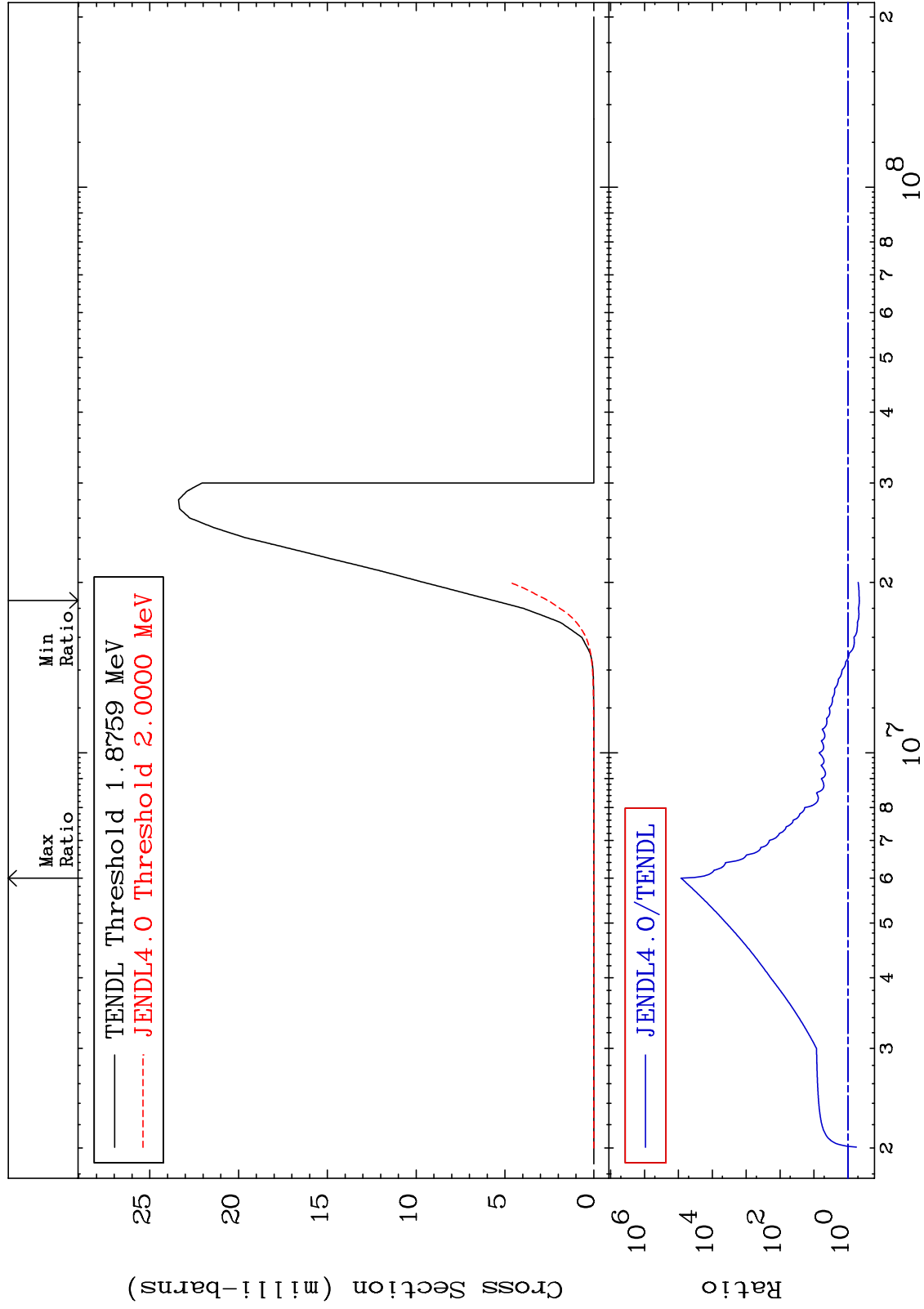
MAT 5640

(n,n')  $\alpha$

56-Ba-135

-54.19 To 9999. %

Cross Section



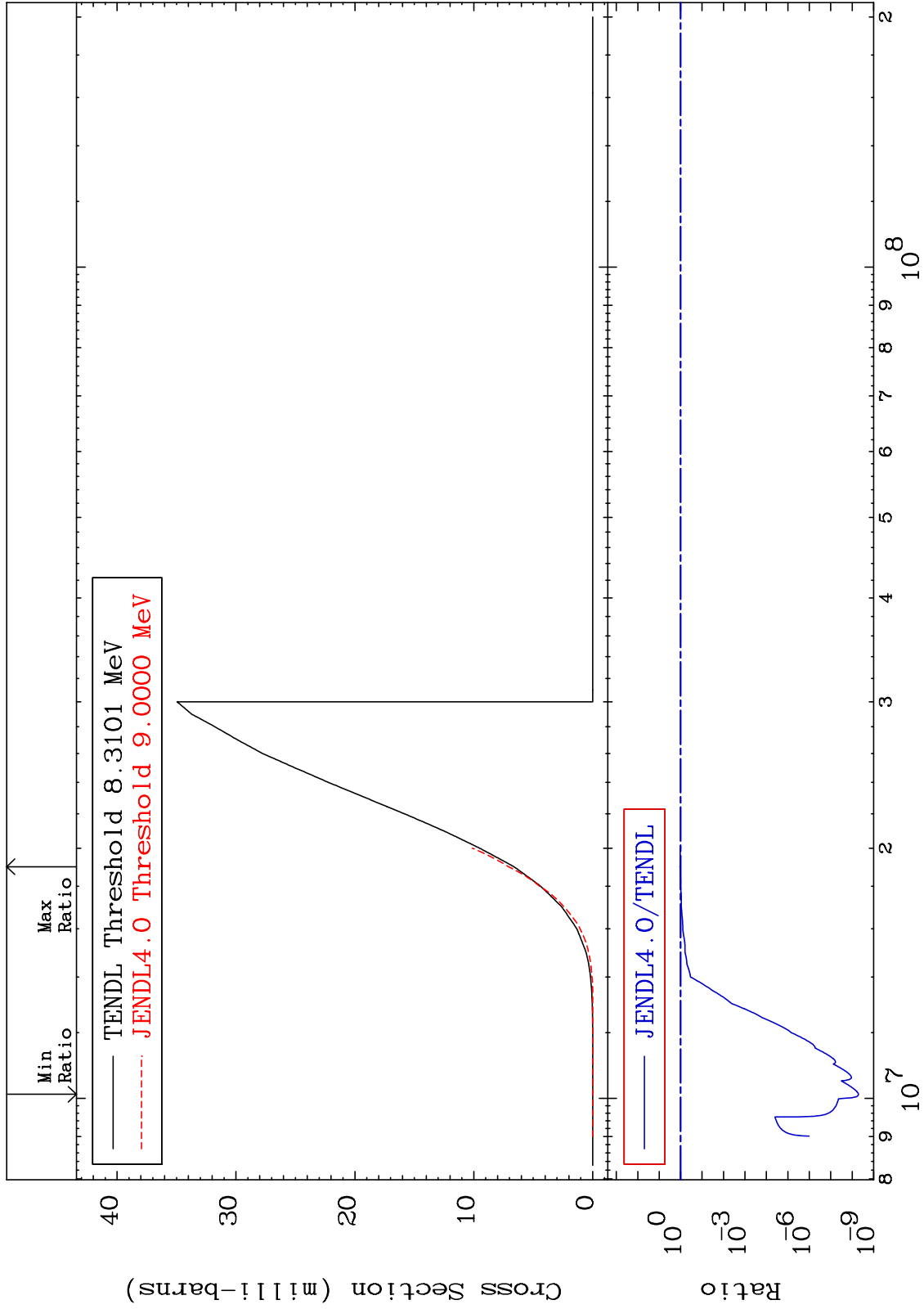
MAT 5640

(n,n') p

56-Ba-135

Cross Section

-100.0 To 6.847 %



Incident Energy (eV)

56-Ba-135

7

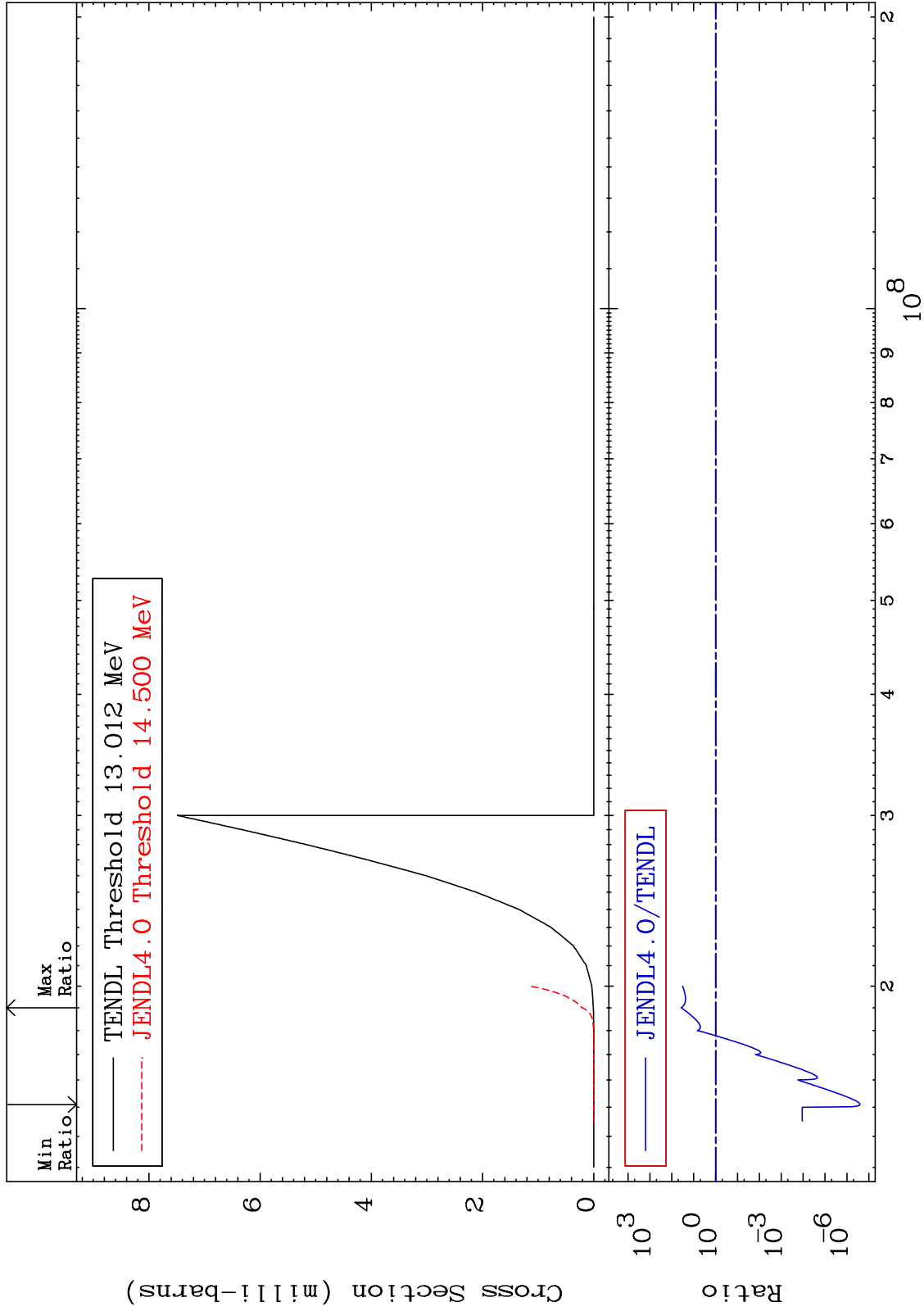
MAT 5640

(n, n') d

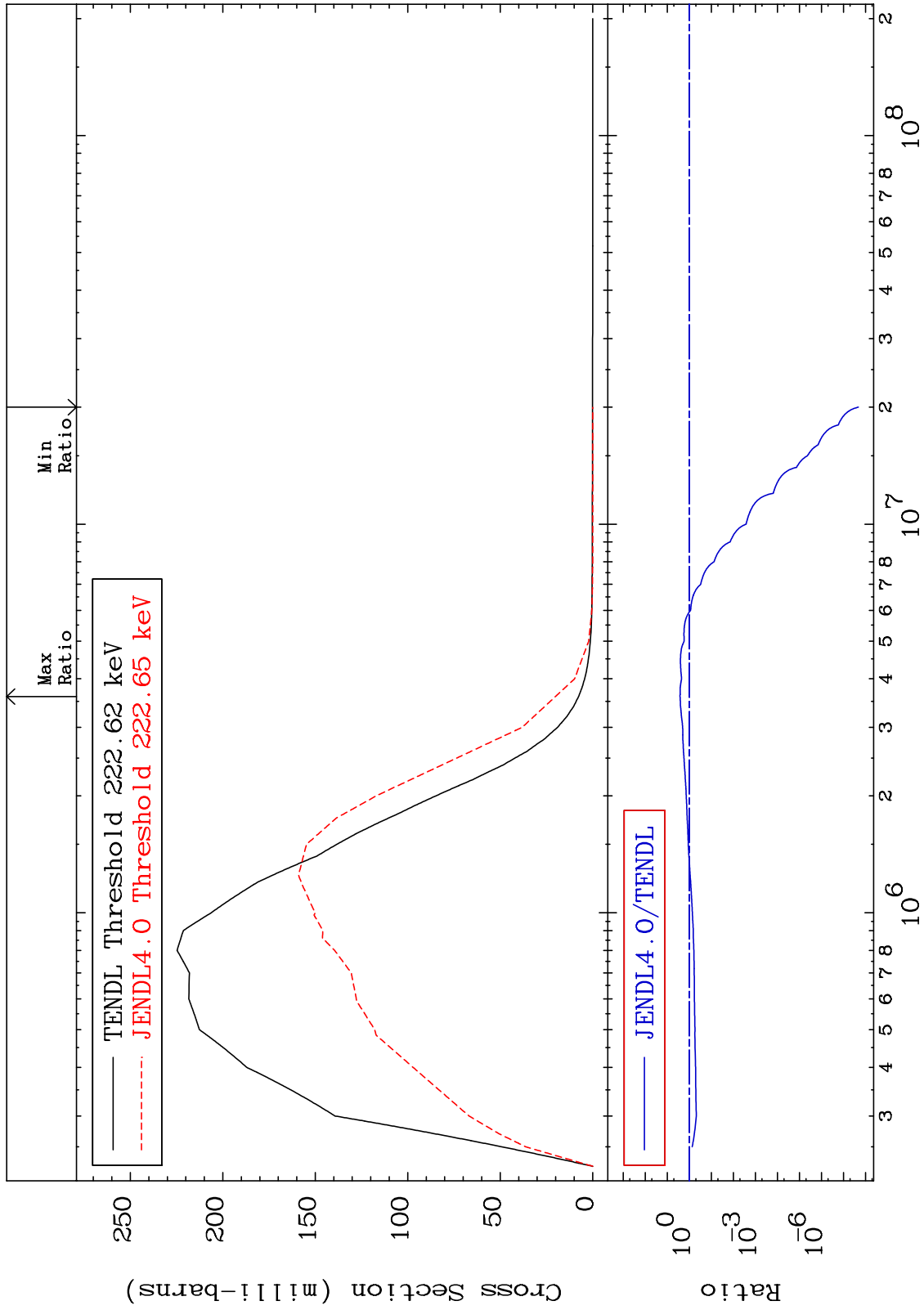
56-Ba-135

Cross Section

-100.0 To 3618. %



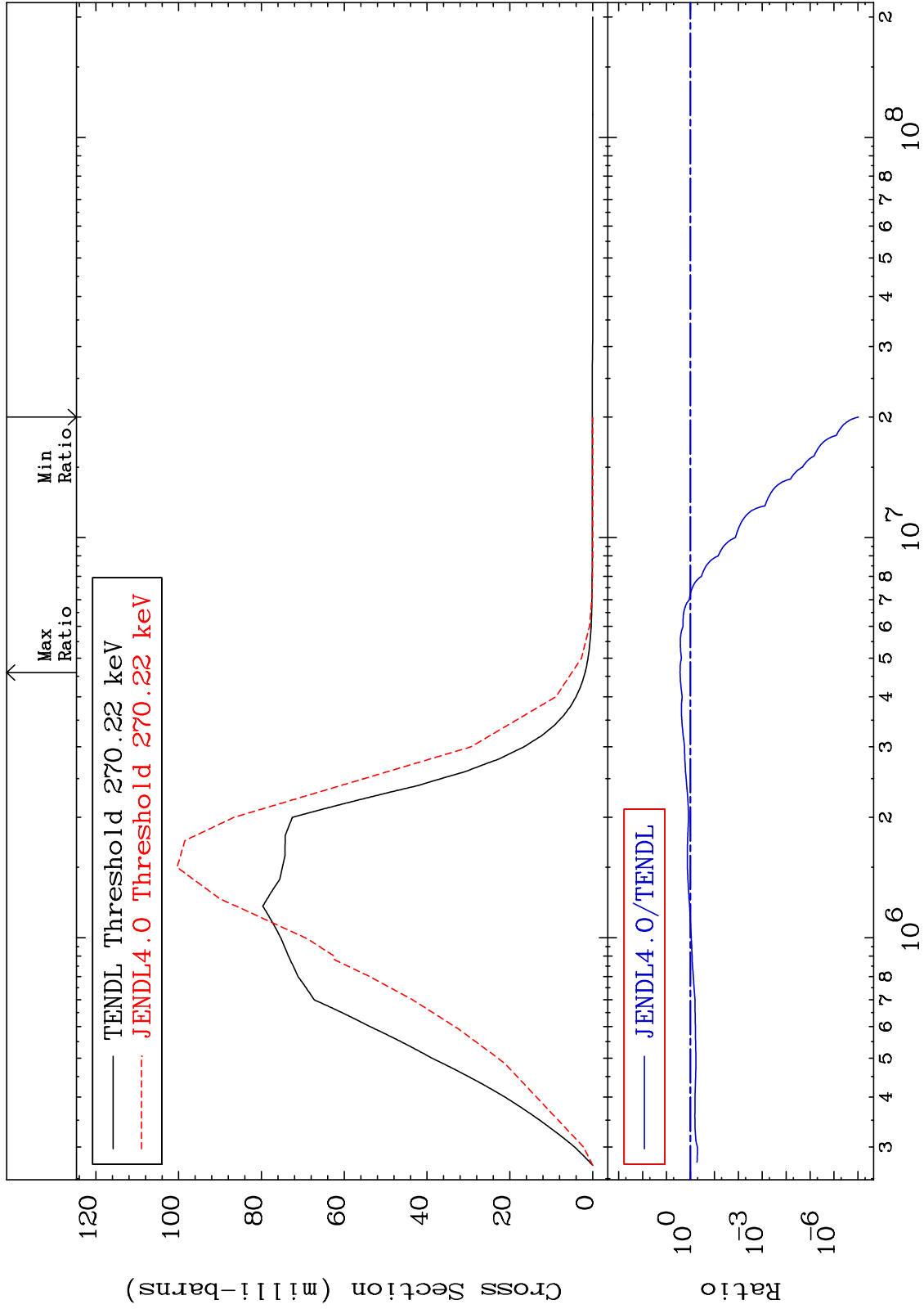
MAT 5640      MT= 51 (n,n') Level      56-Ba-135  
 Cross Section      -100.0 To 164.1 %



MAT 5640

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

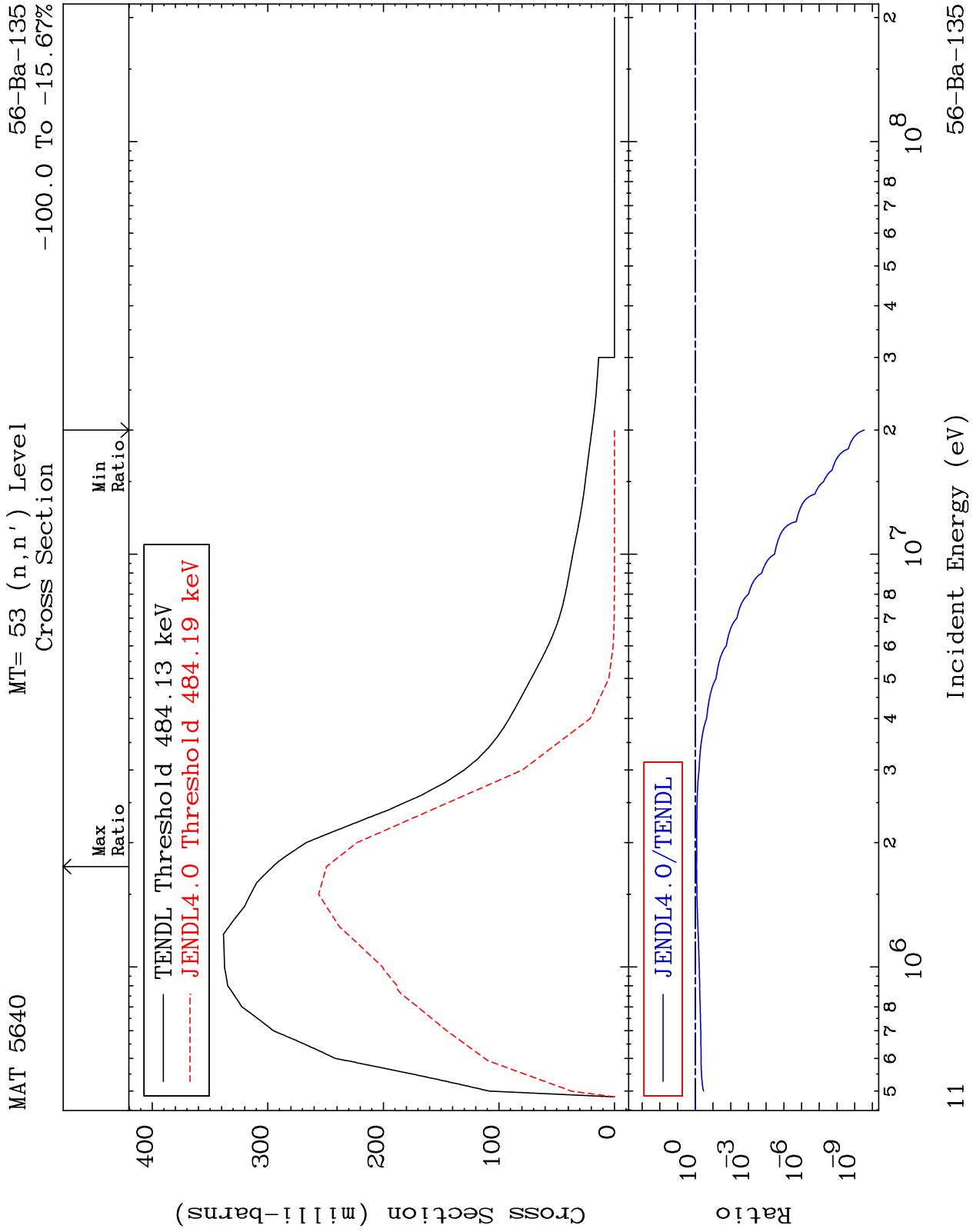
56-Ba-135  
-100.0 To 172.3 %



10

Incident Energy (eV)

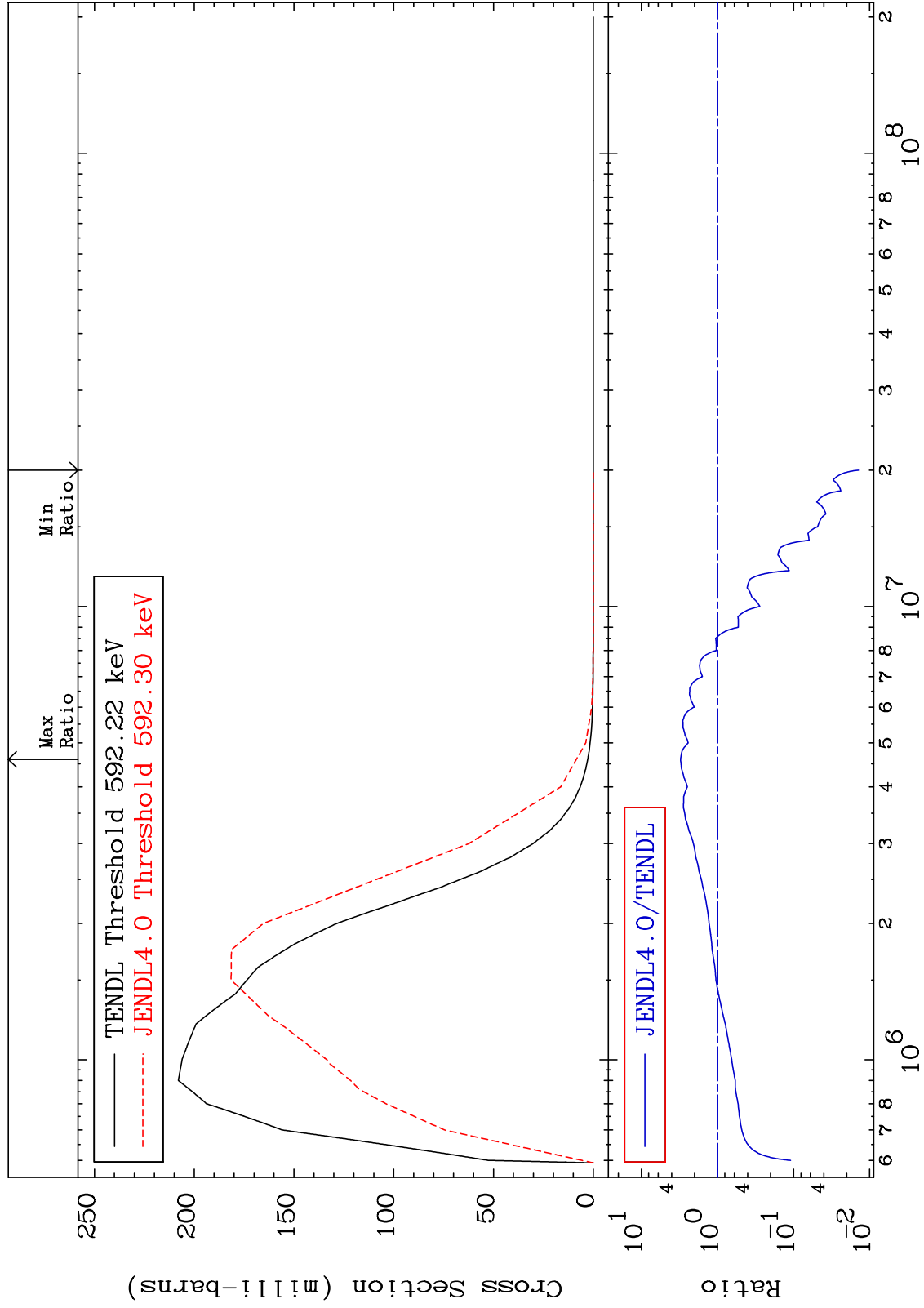
56-Ba-135



MAT 5640

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

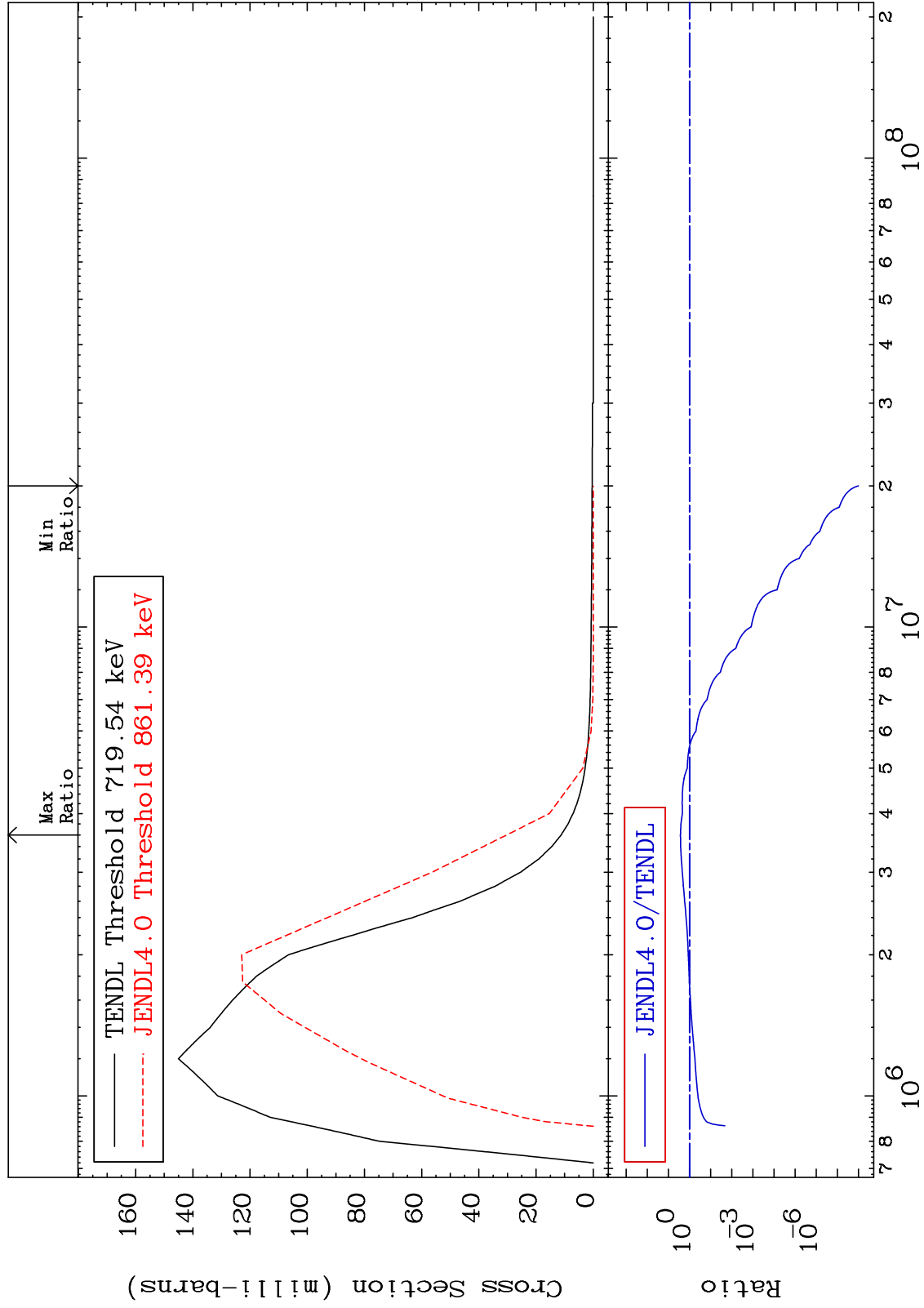
56-Ba-135  
-98.60 To 206.1 %



MAT 5640

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

56-Ba-135  
-100.0 To 170.2 %

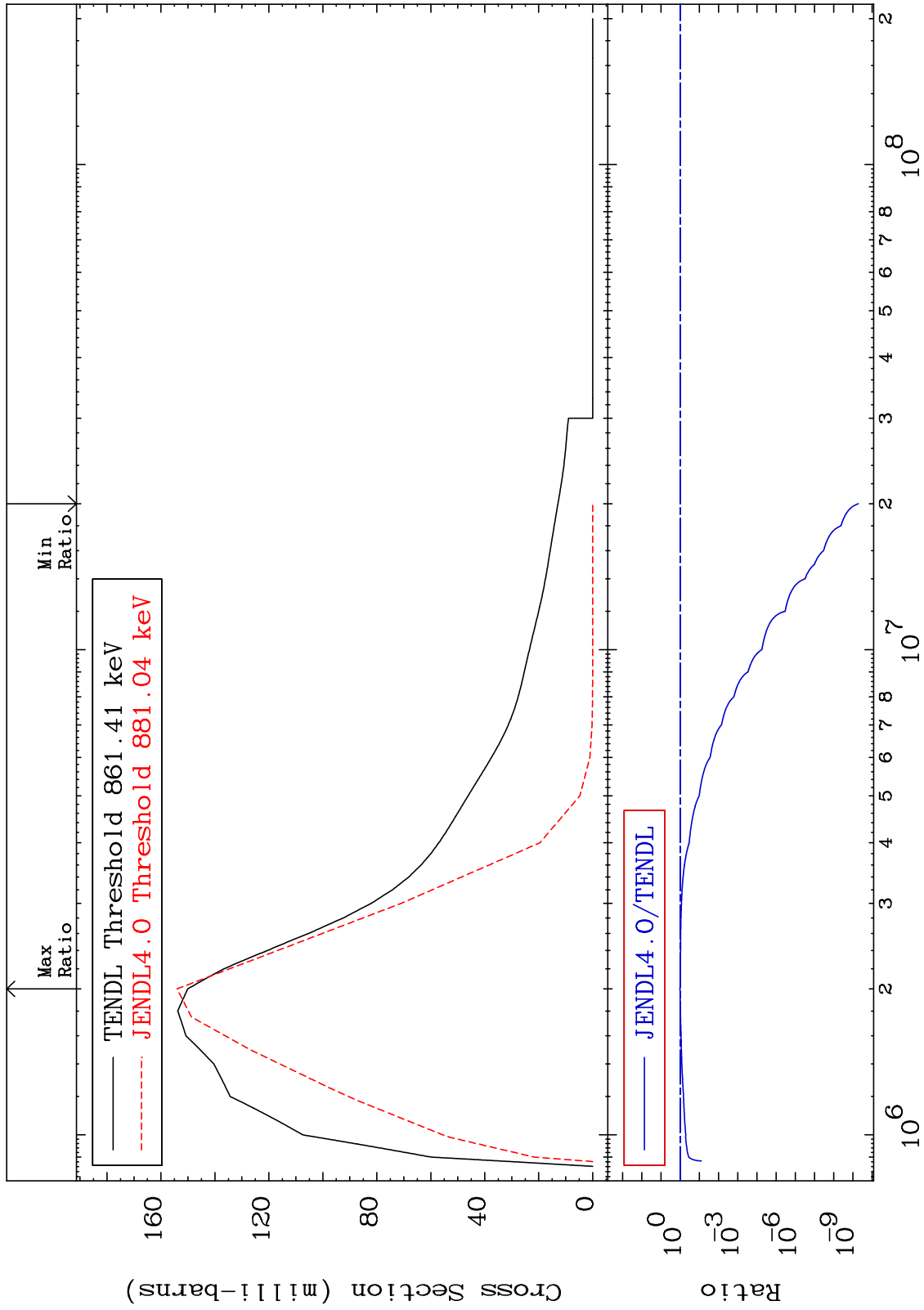


13

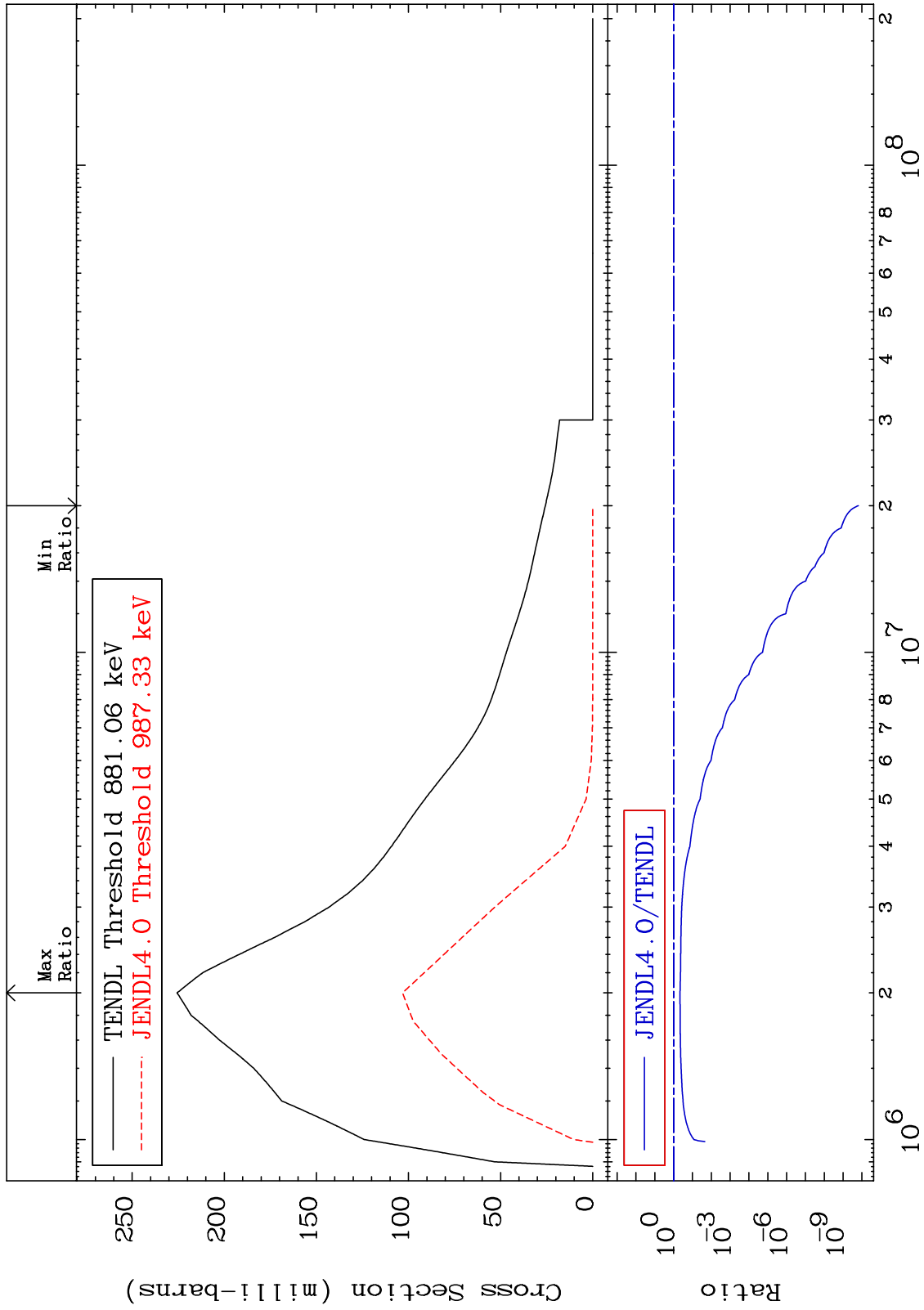
Incident Energy (eV)

56-Ba-135

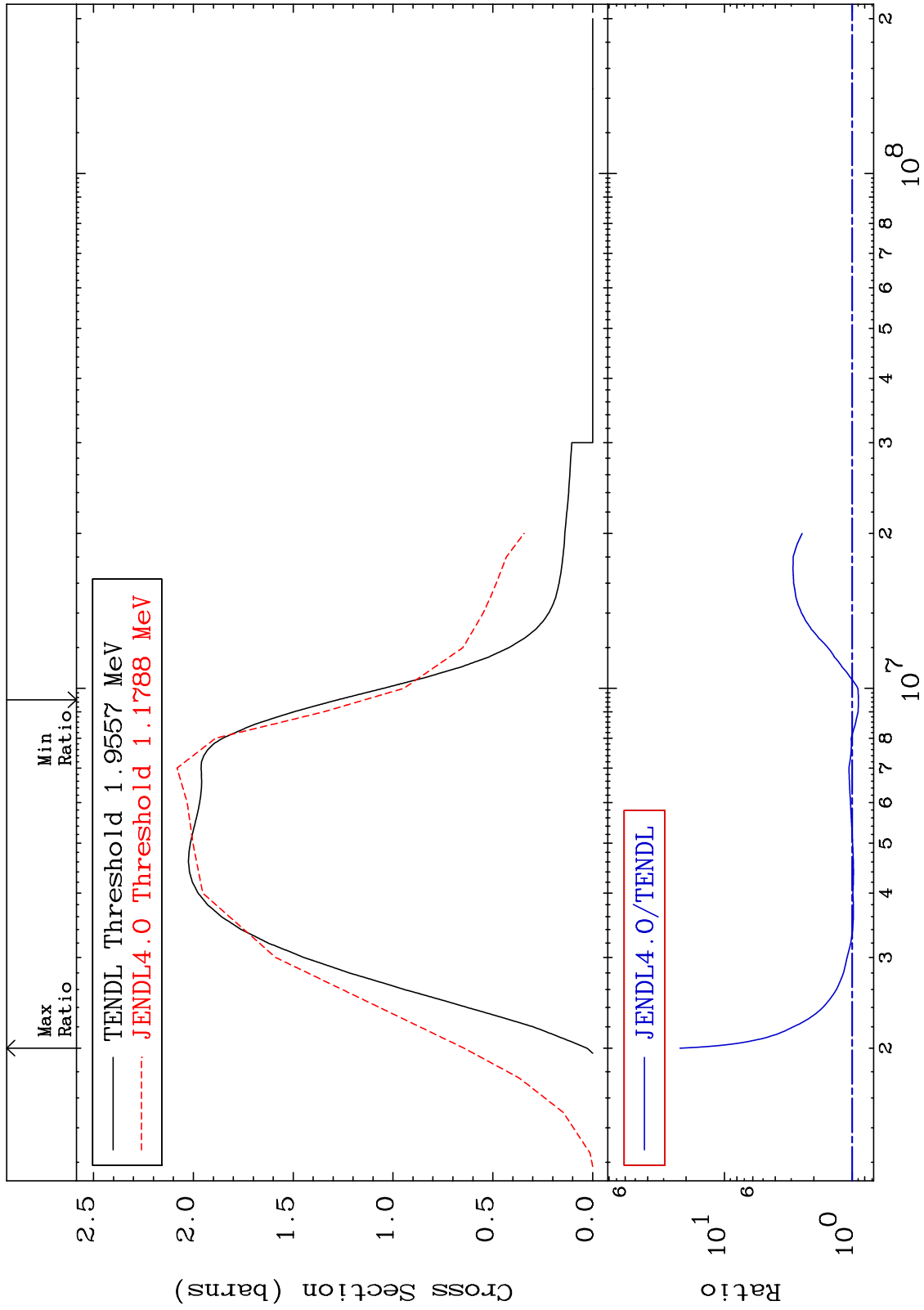
MAT 5640 MT= 56 (n,n') Level  
Cross Section 56-Ba-135  
-100.0 To 2.654 %



MAT 5640 MT= 57 (n, n') Level  
Cross Section 56-Ba-135  
-100.0 To -54.26%



MAT 5640 (n, n') Continuum Cross Section 56-Ba-135 -10.56 To 2130. %



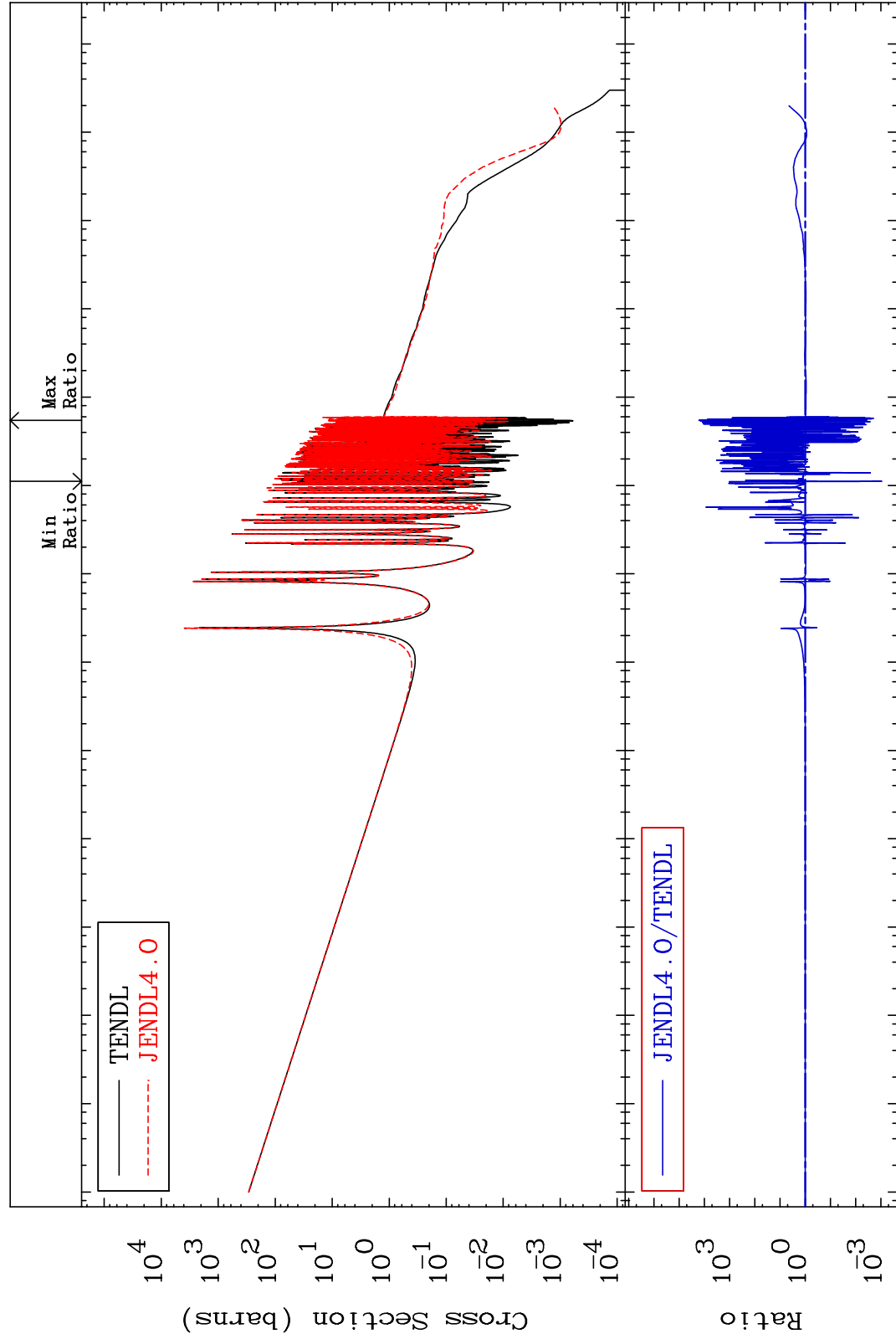
MAT 5640

56-Ba-135

(n,  $\gamma$ )

-99.91 To 9999. %

Cross Section



Incident Energy (eV)

17

56-Ba-135

56-Ba-135

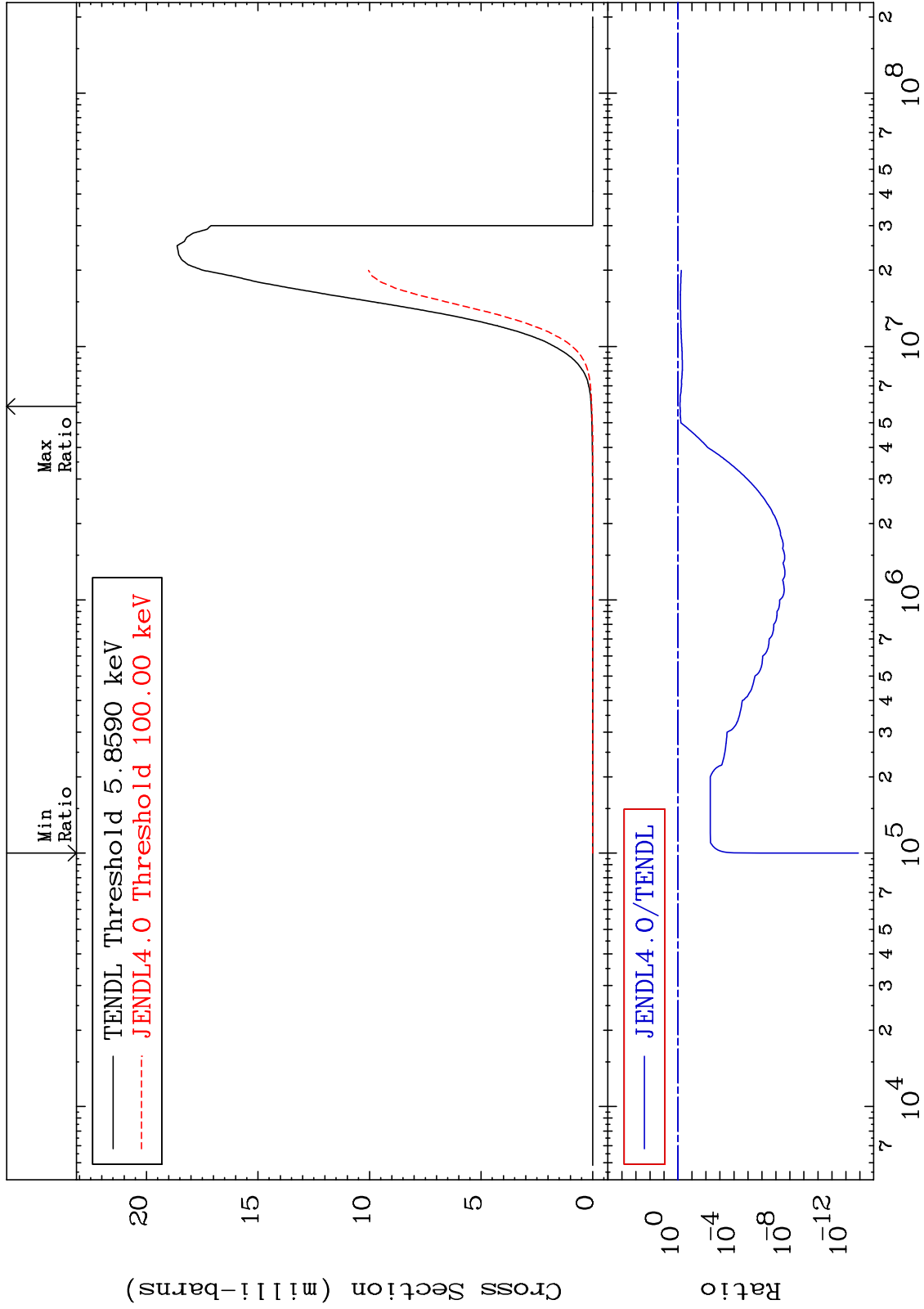
MAT 5640

(n, p)

56-Ba-135

Cross Section

-100.0 To -28.57%



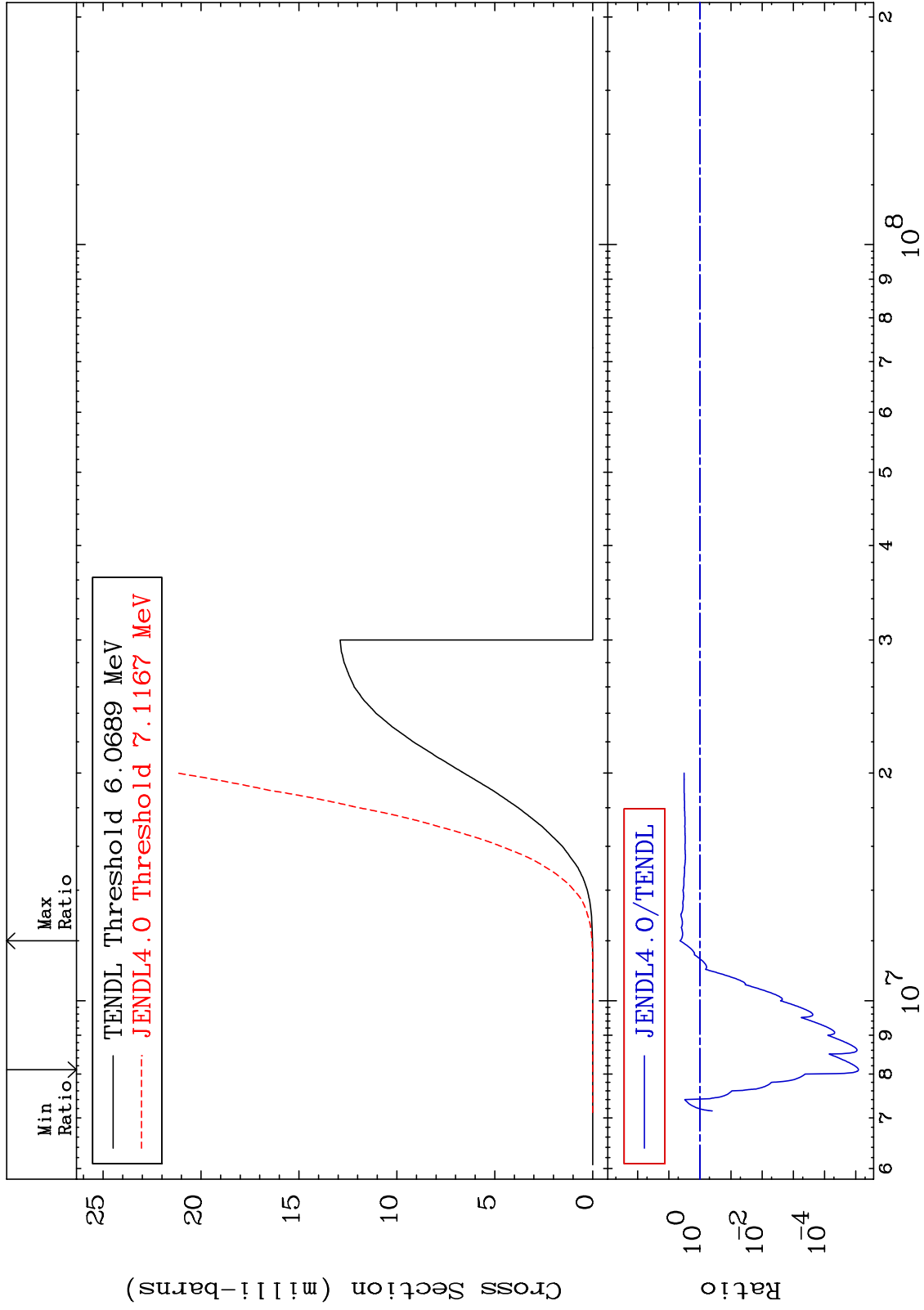
MAT 5640

(n, d)

56-Ba-135

Cross Section

-100.0 To 334.7 %



19

Incident Energy (eV)

56-Ba-135

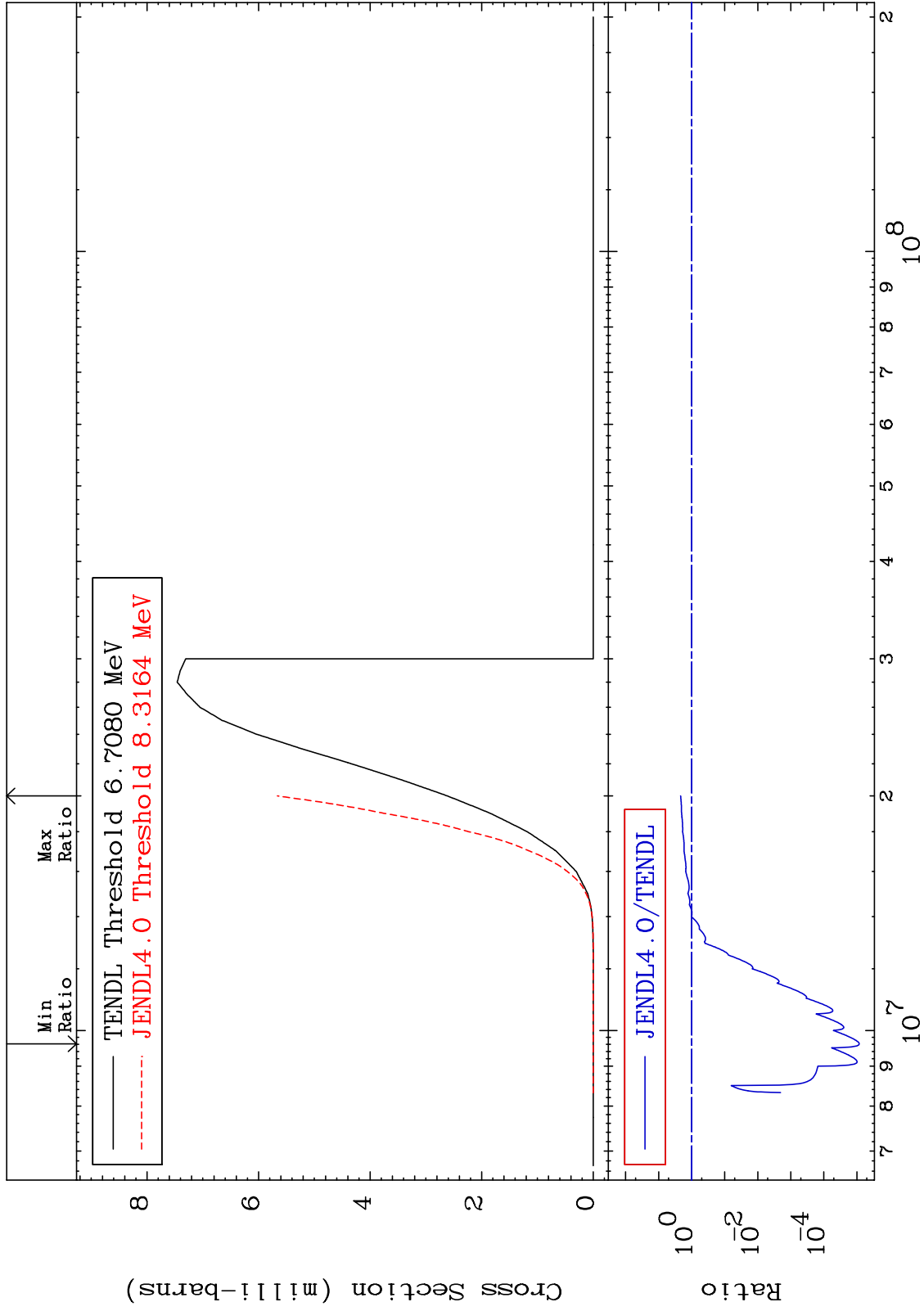
MAT 5640

(n, t)

56-Ba-135

Cross Section

-100.0 To 116.7 %



20

Incident Energy (eV)

56-Ba-135

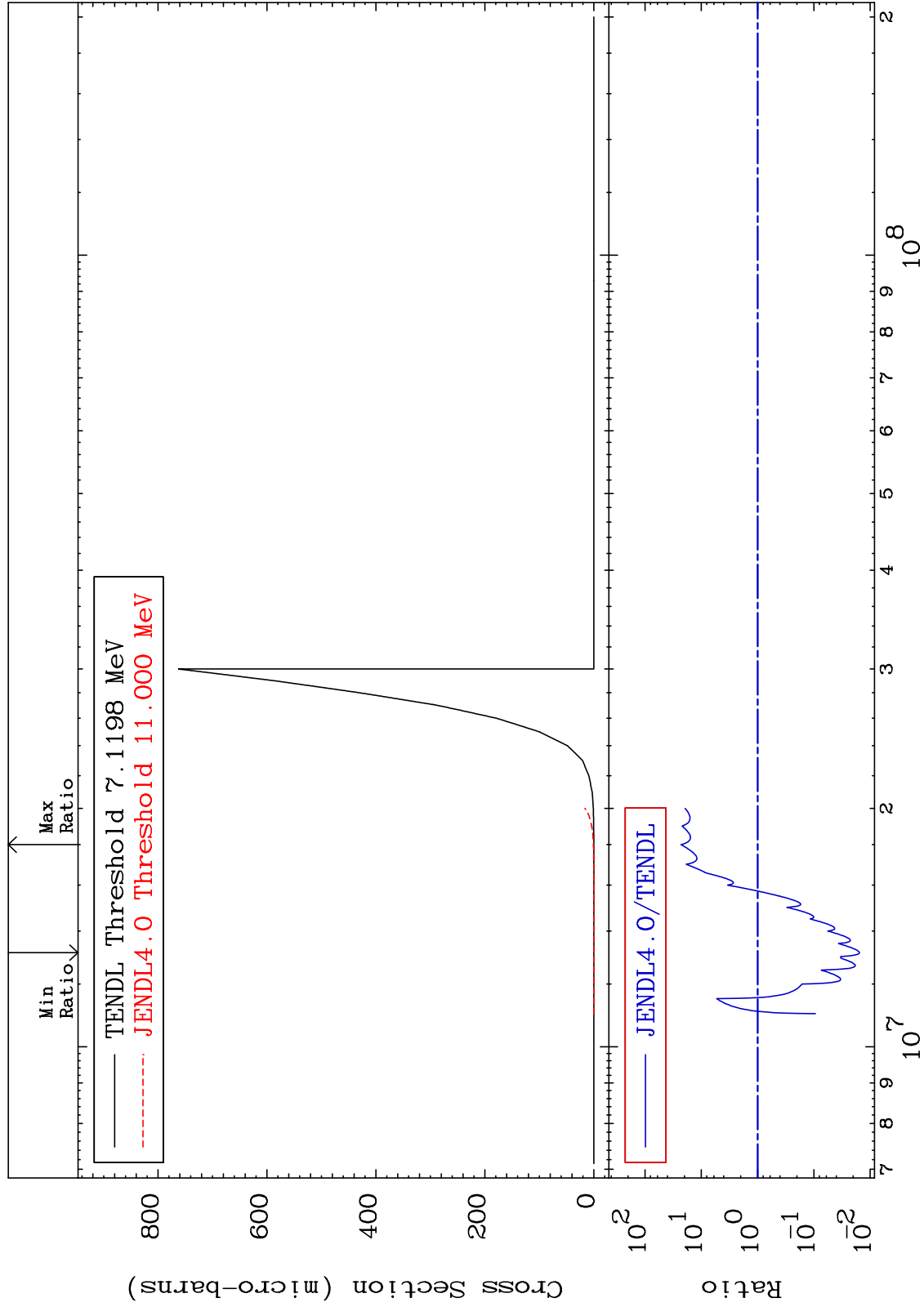
MAT 5640

(n, He-3)

56-Ba-135

Cross Section

-98.44 To 2191. %



56-Ba-135

Incident Energy (eV)

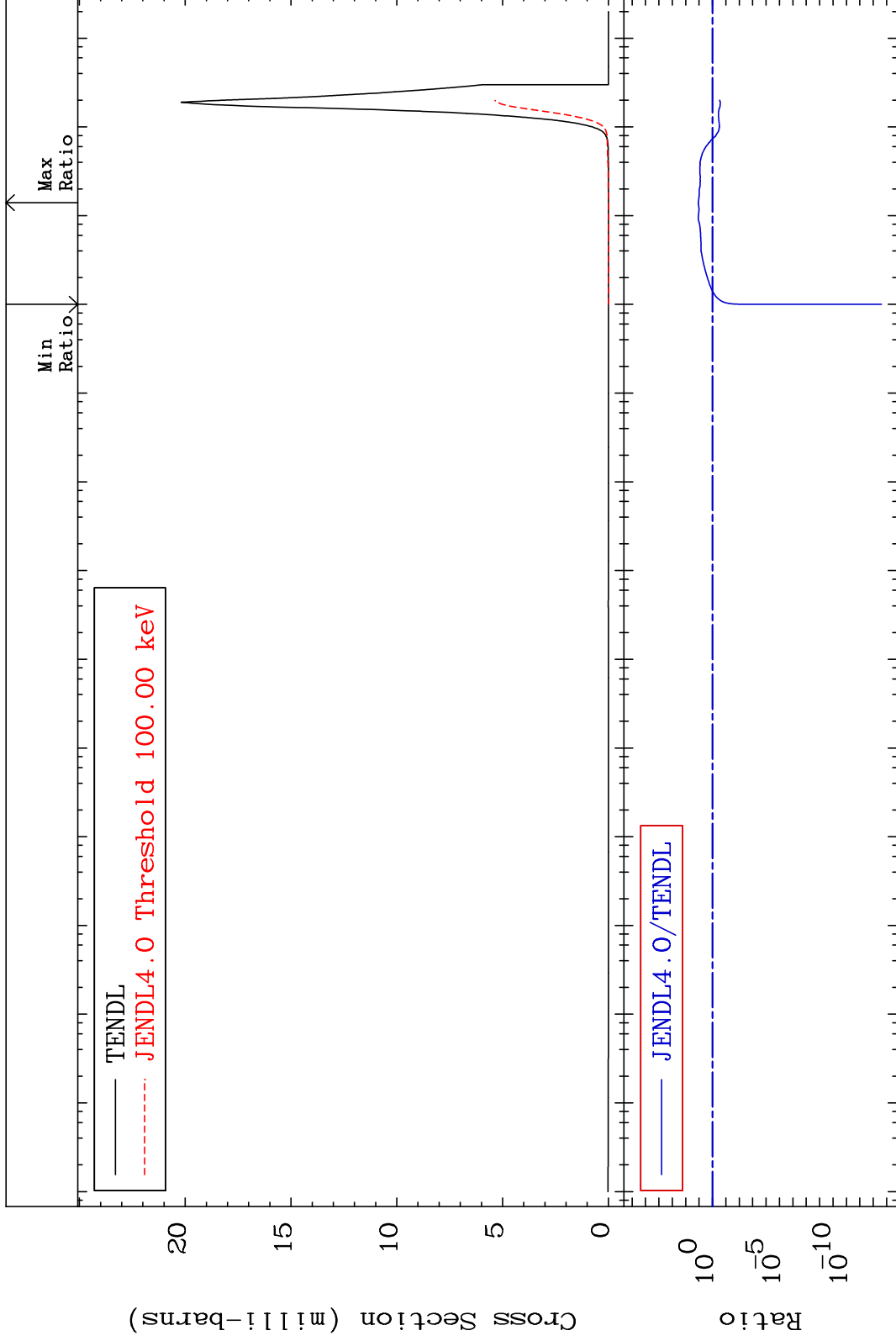
MAT 5640

(n,  $\alpha$ )

56-Ba-135

Cross Section

-100.0 To 1070. %



22

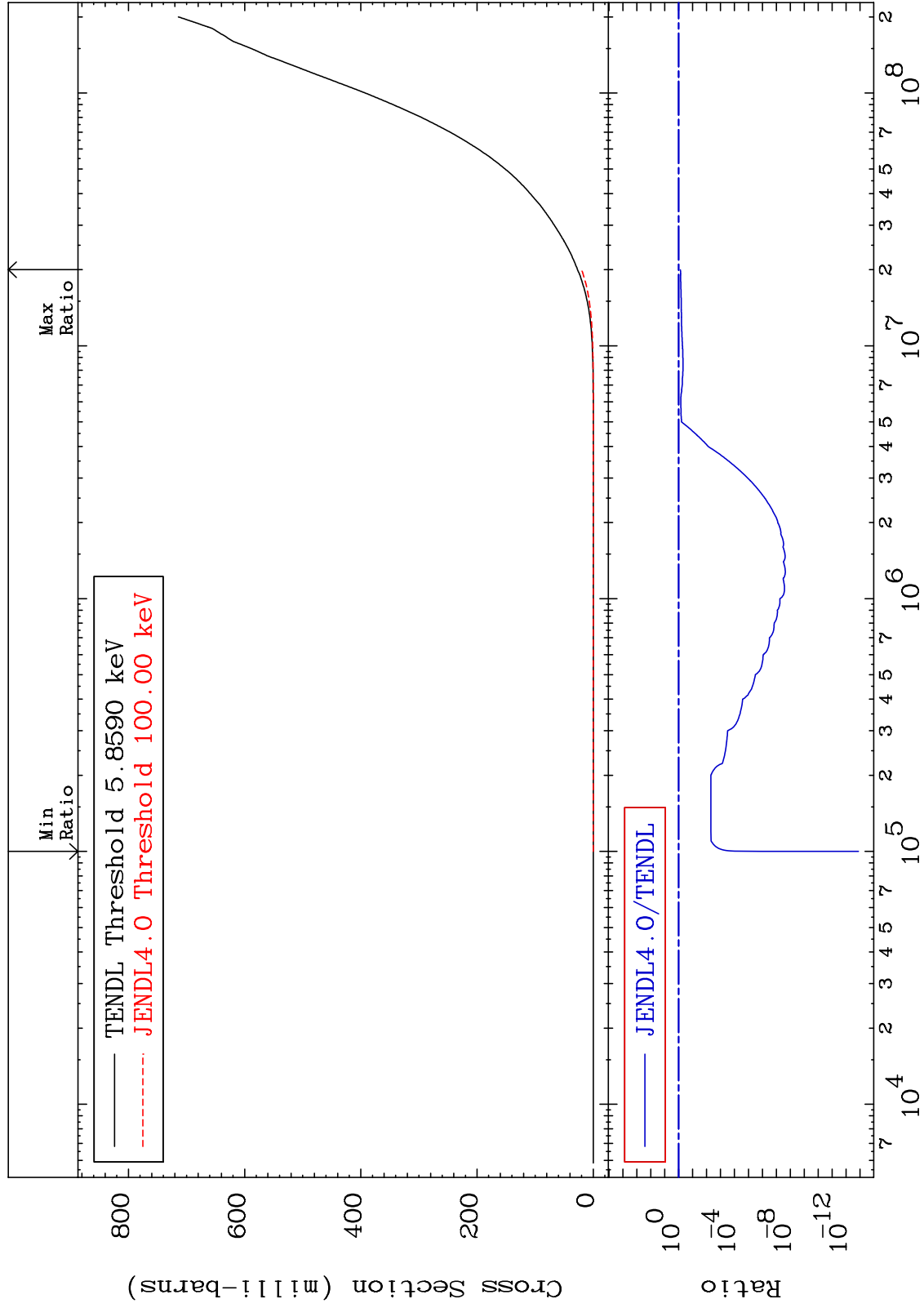
Incident Energy (eV)

56-Ba-135

MAT 5640

### Hydrogen Production Cross Section

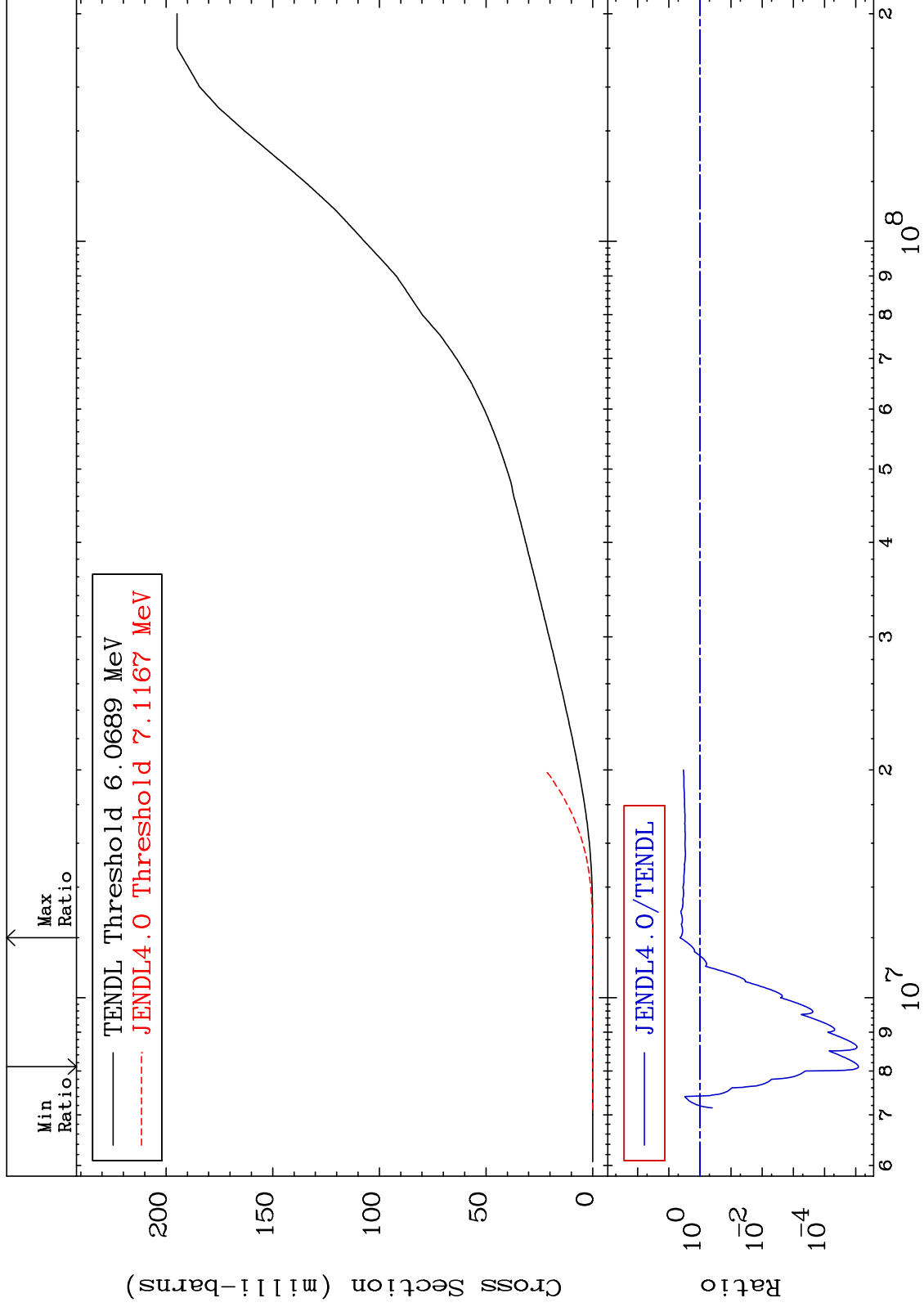
56-Ba-135  
-100.0 To -25.27%



MAT 5640

Deuterium Production  
Cross Section

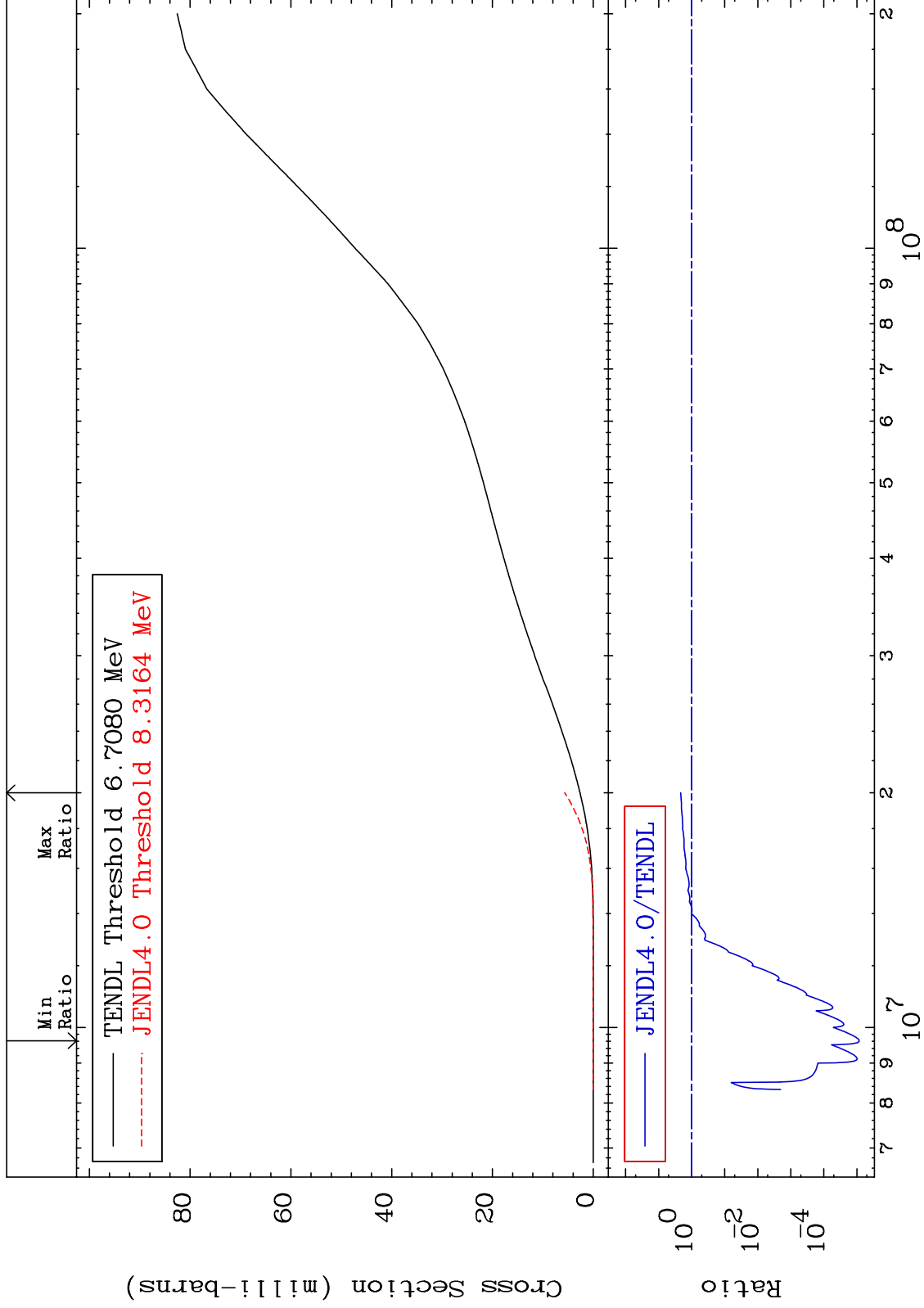
56-Ba-135  
-100.0 To 334.7 %



MAT 5640

Tritium Production  
Cross Section

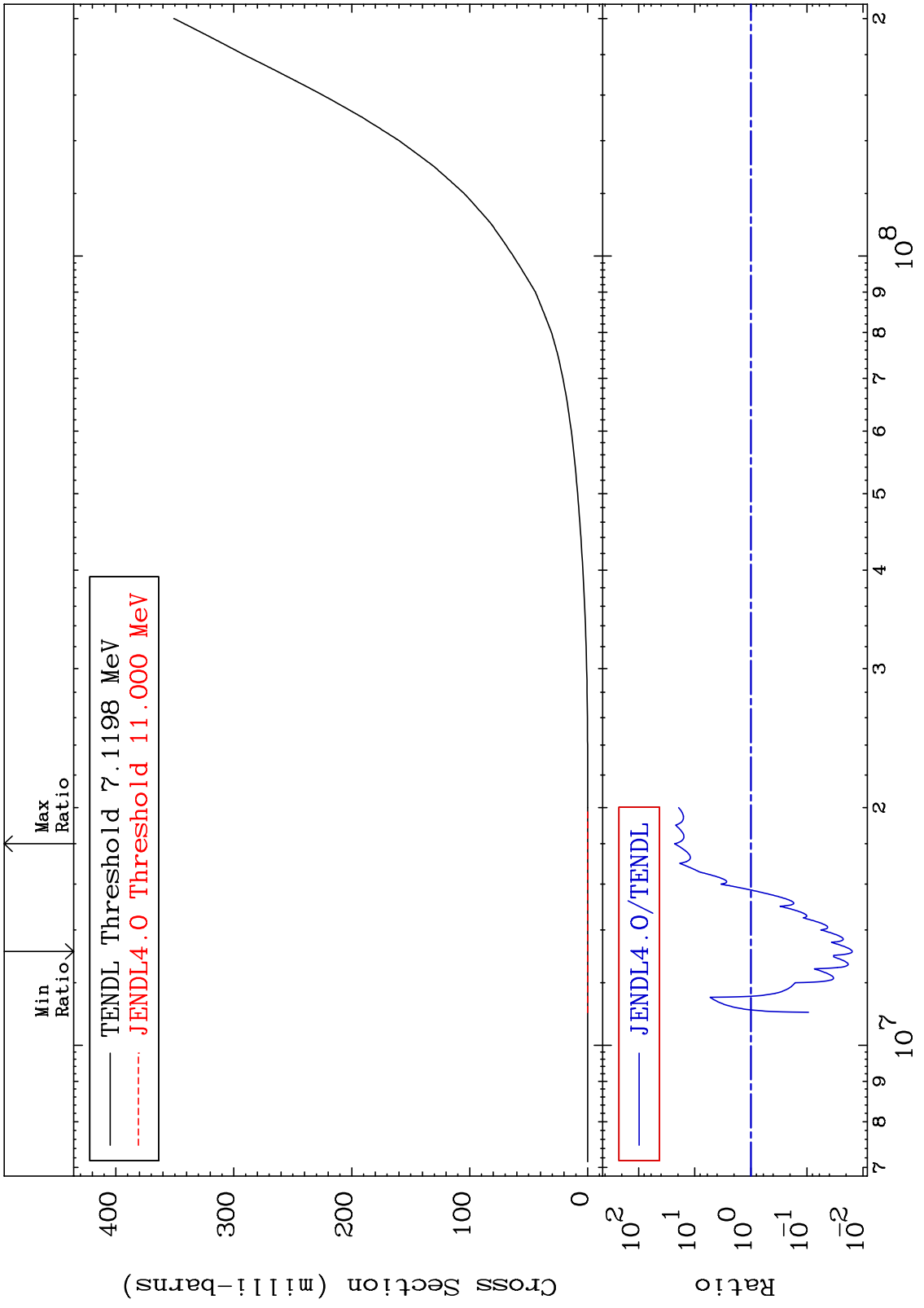
56-Ba-135  
-100.0 To 116.7 %



MAT 5640

He-3 Production  
Cross Section

56-Ba-135  
-98.44 To 2191. %



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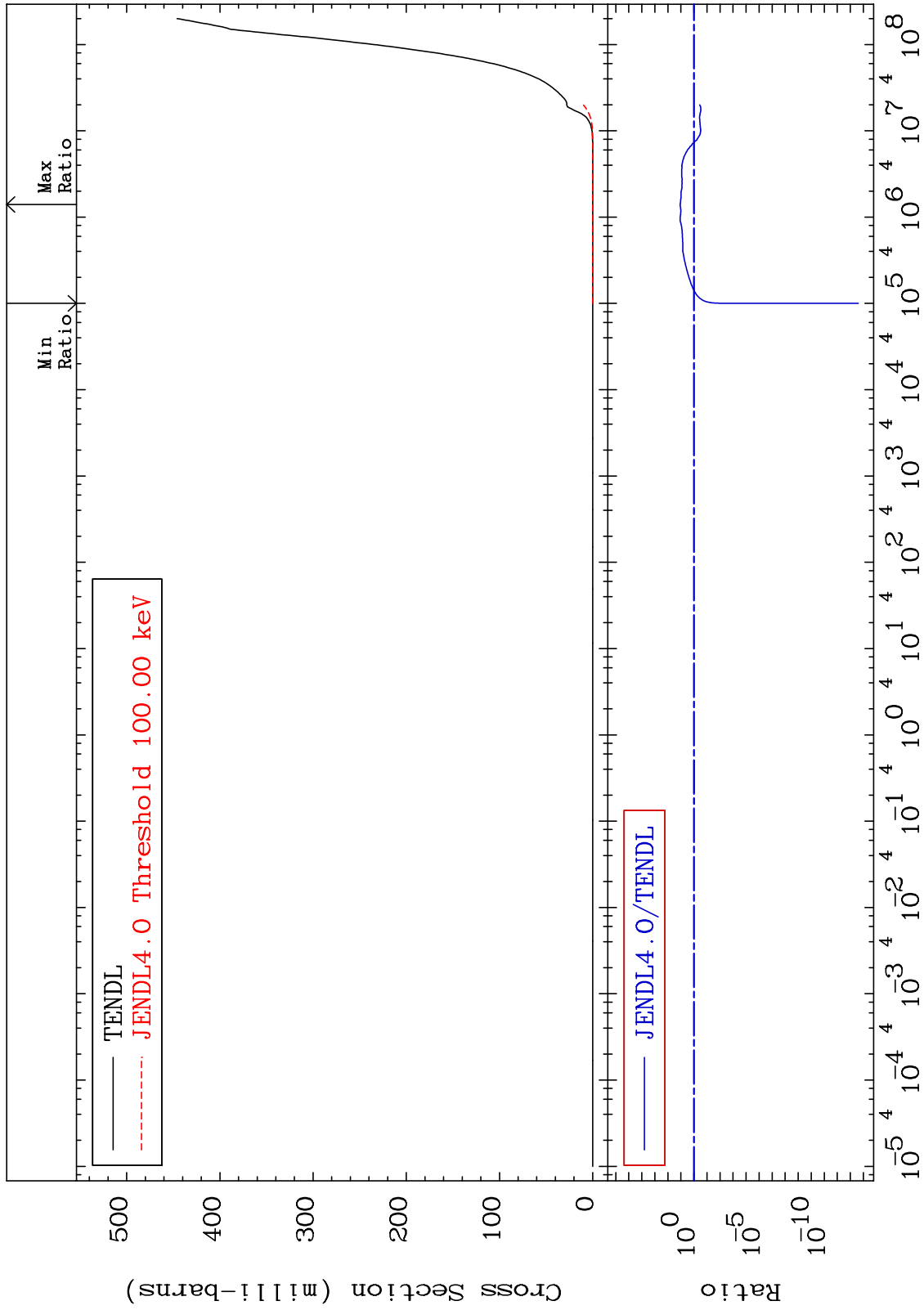
Incident Energy (eV)

56-Ba-135

MAT 5640

He-4 Production  
Cross Section

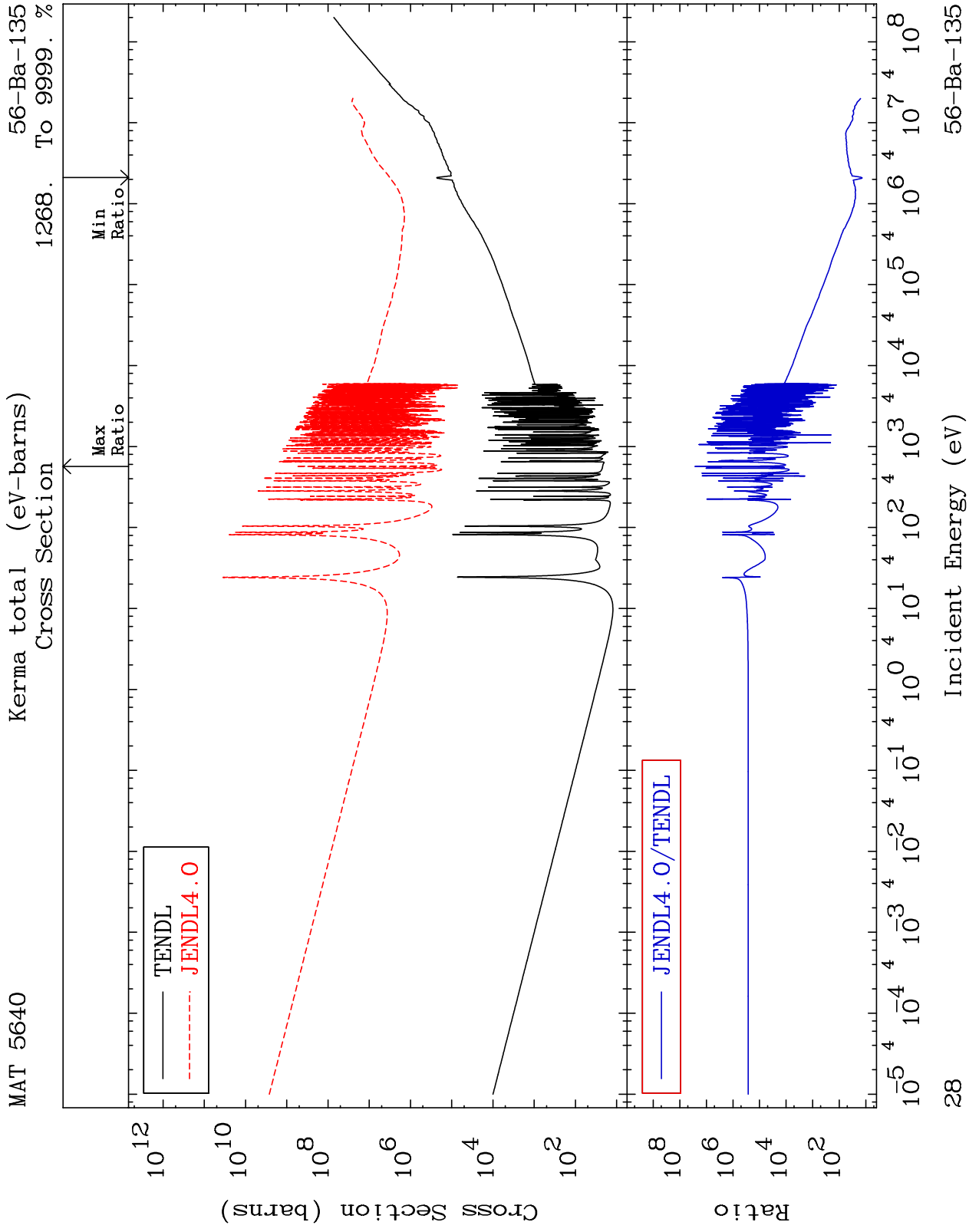
56-Ba-135  
-100.0 To 1070. %



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Incident Energy (eV)

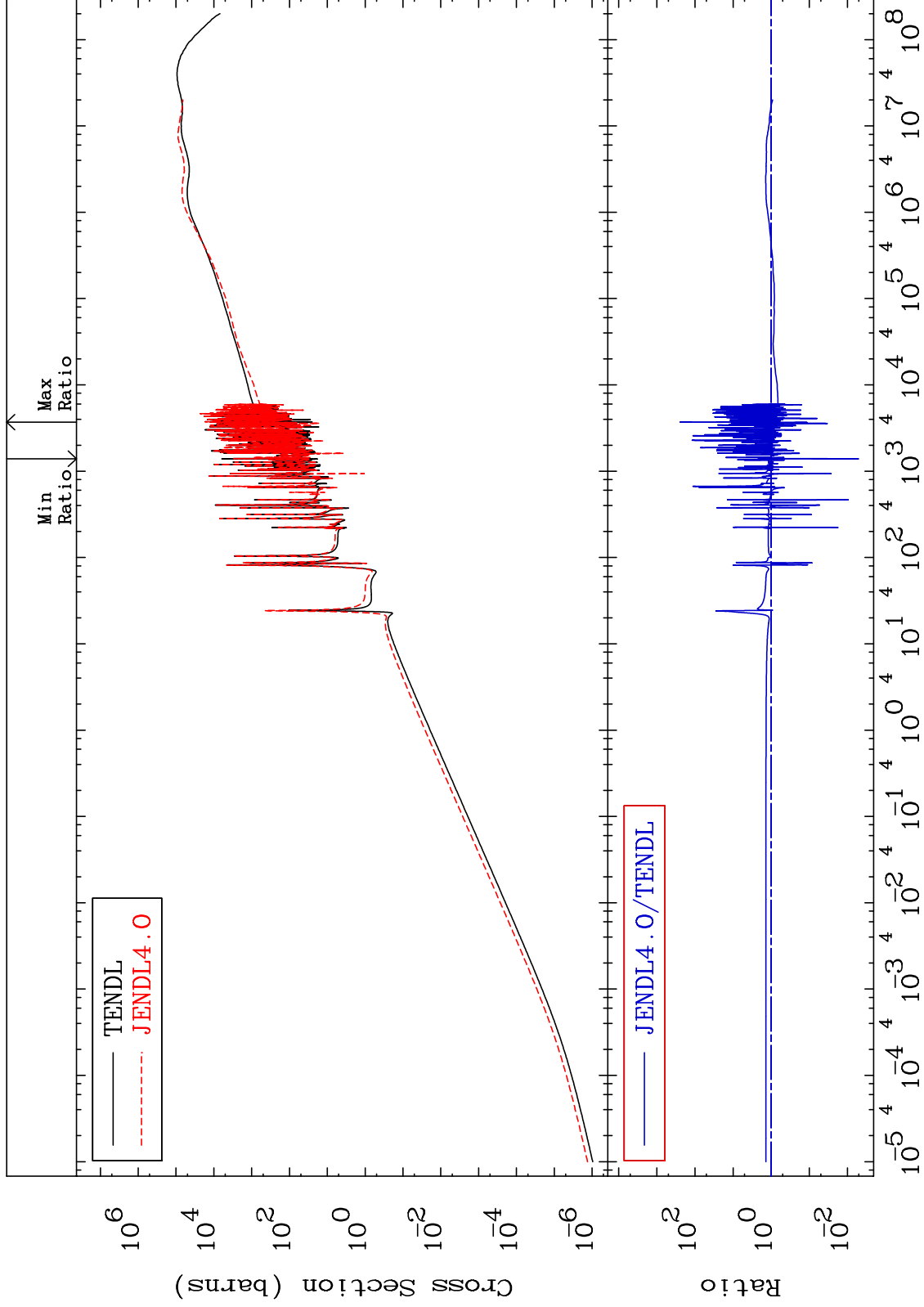
56-Ba-135



MAT 5640

Kerma elastic  
Cross Section

56-Ba-135  
-99.49 To 9999. %



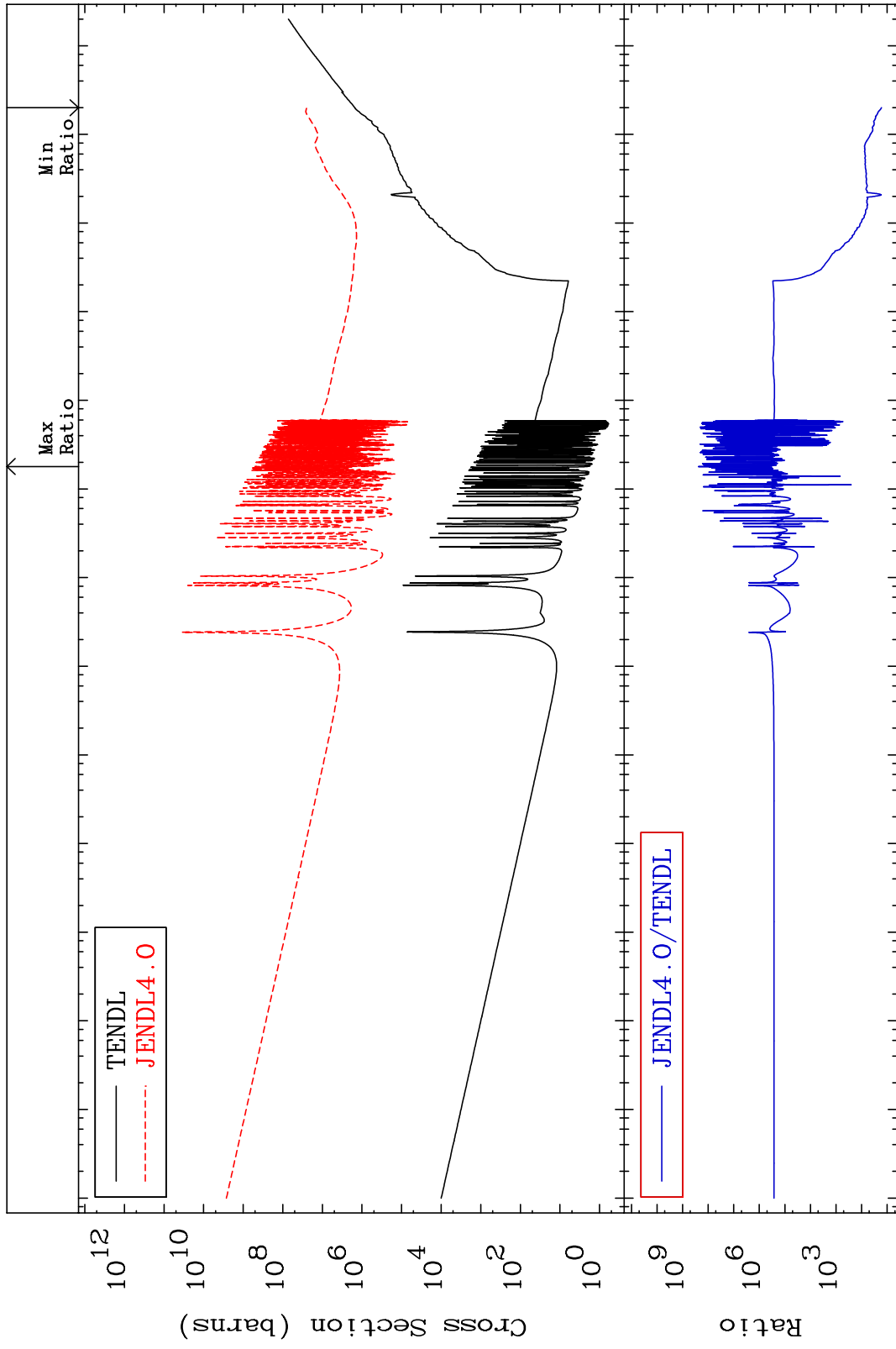
— TENDL  
- - - JENDL4.0

— JENDL4.0/TENDL

MAT 5640

Kerma non-elastic (all but mt2)  
Cross Section

56-Ba-135  
1554. To 9999. %

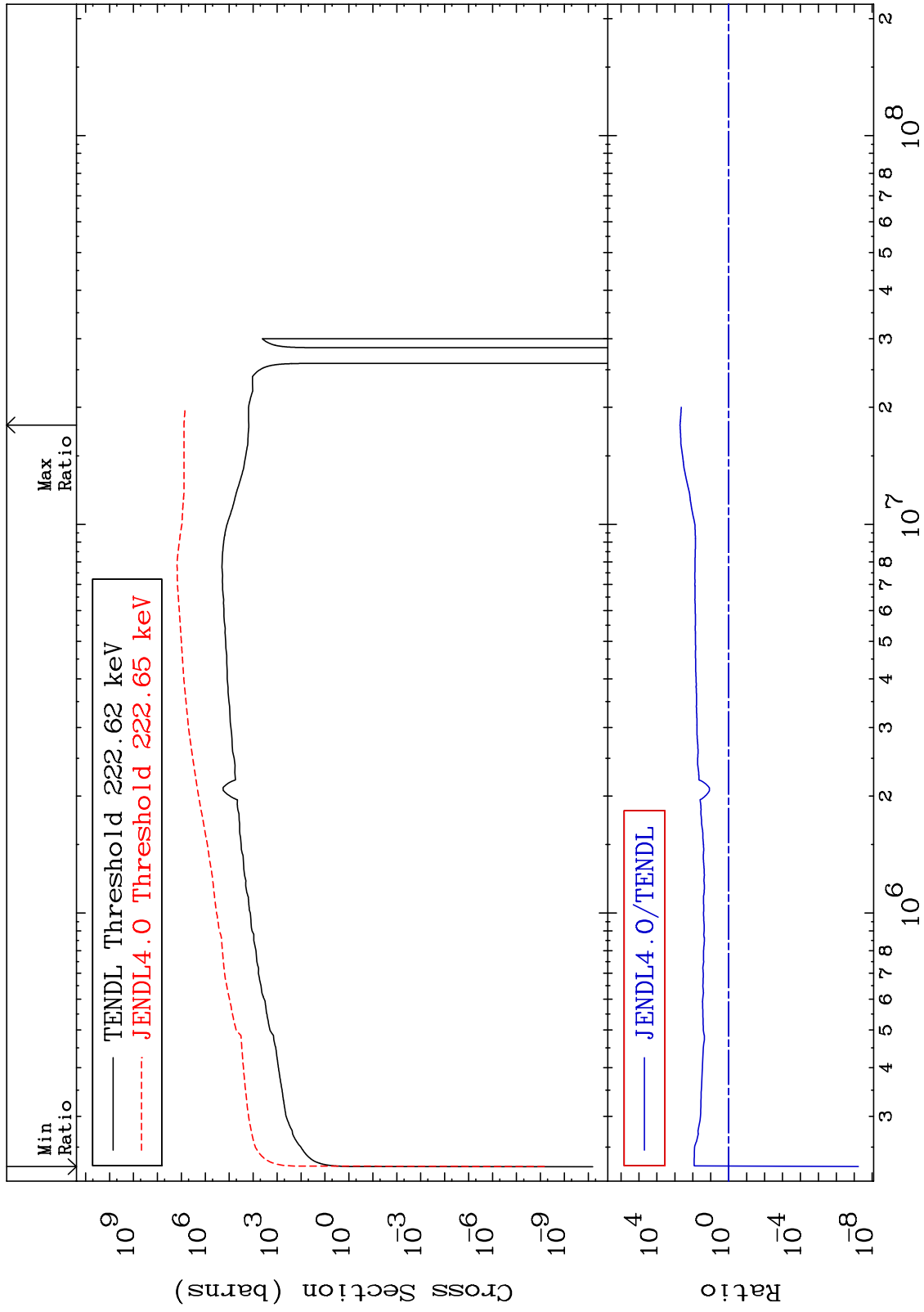


30

Incident Energy (eV)

56-Ba-135

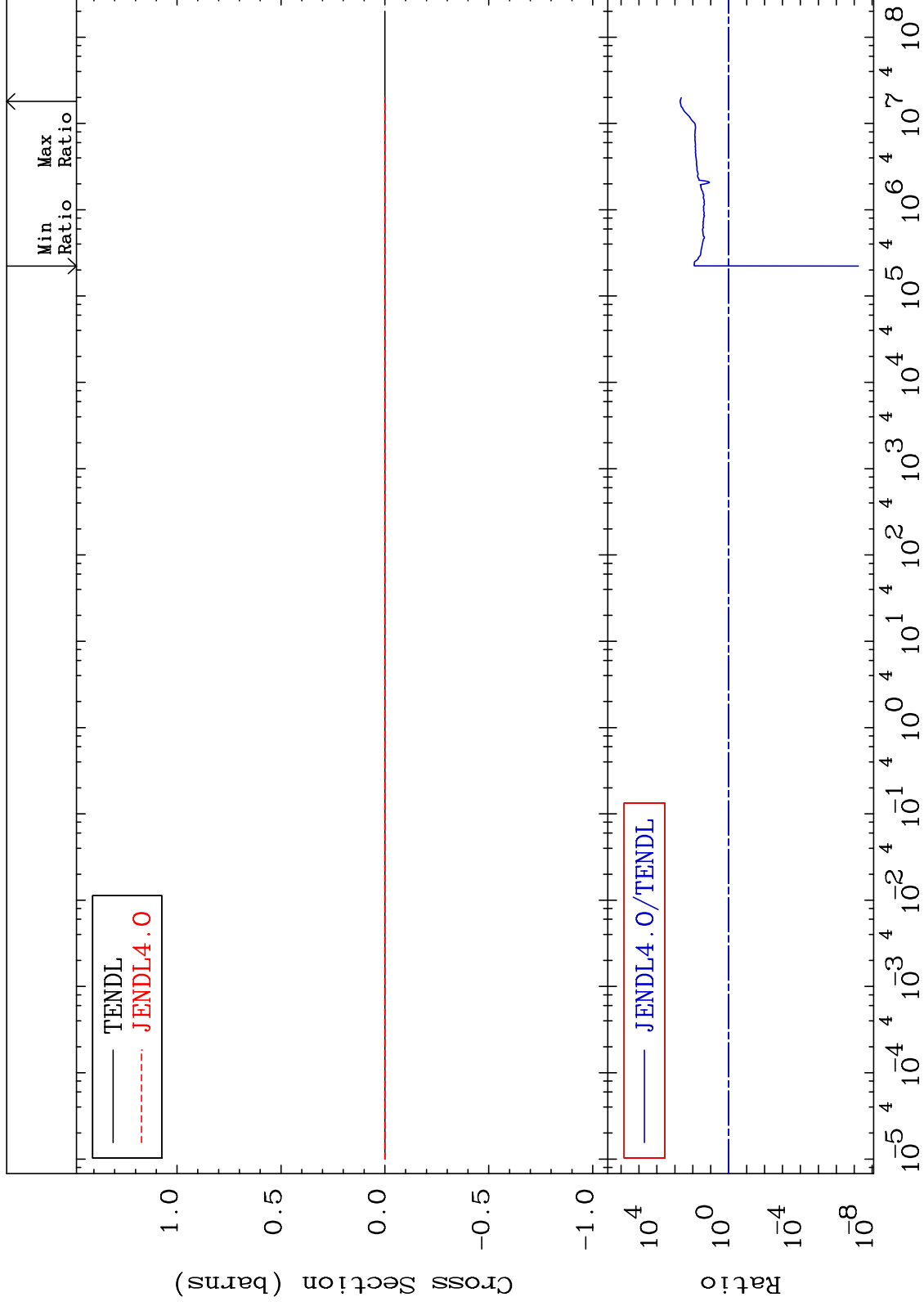
MAT 5640      Kerma inelastic (mt51-91)      56-Ba-135  
-100.0 To 9999. %  
Cross Section



MAT 5640

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

56-Ba-135  
-100.0 To 9999. %



32

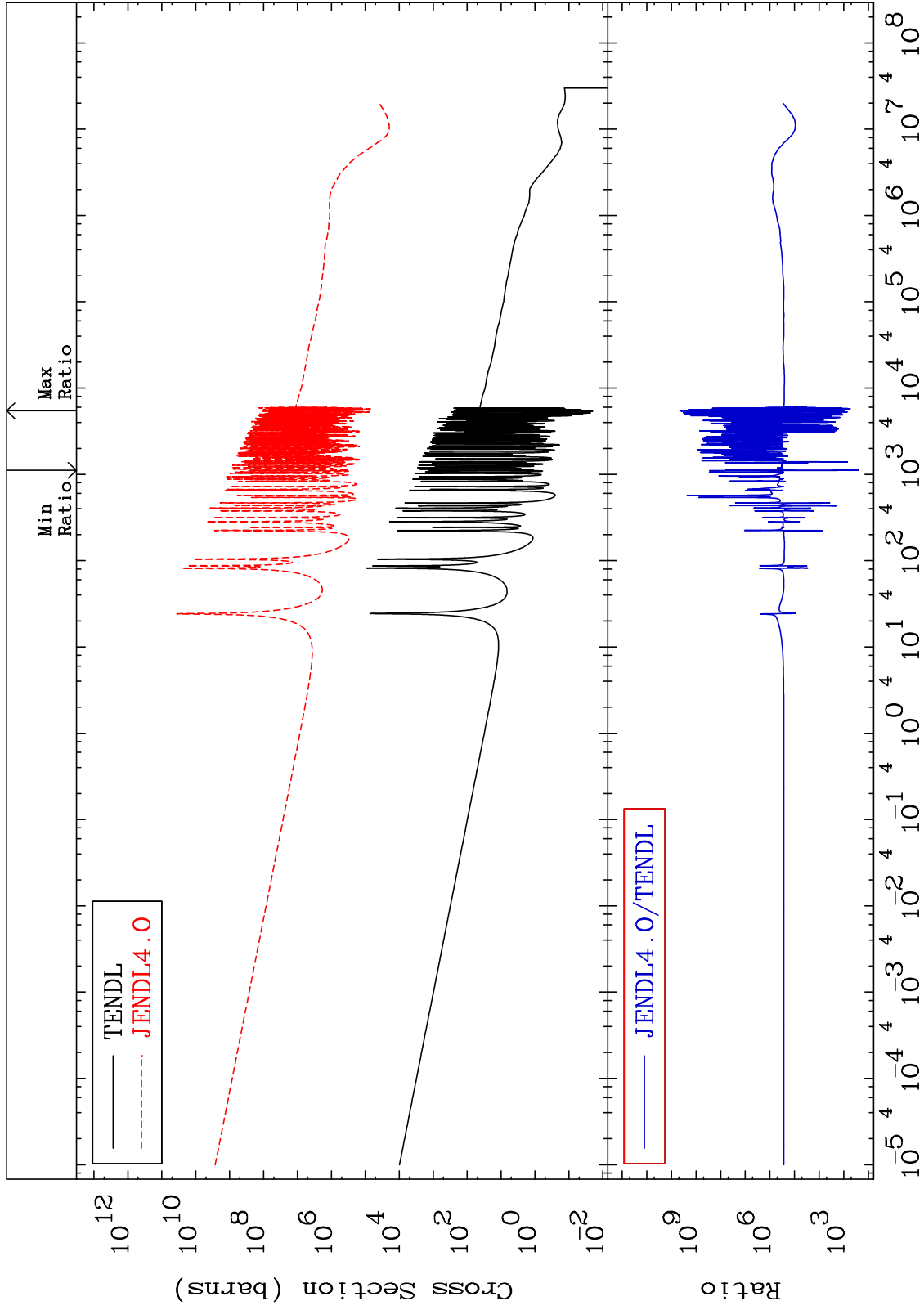
Incident Energy (eV)

56-Ba-135

MAT 5640

Kerma capture (mt102)  
Cross Section

56-Ba-135  
9999. To 9999. %

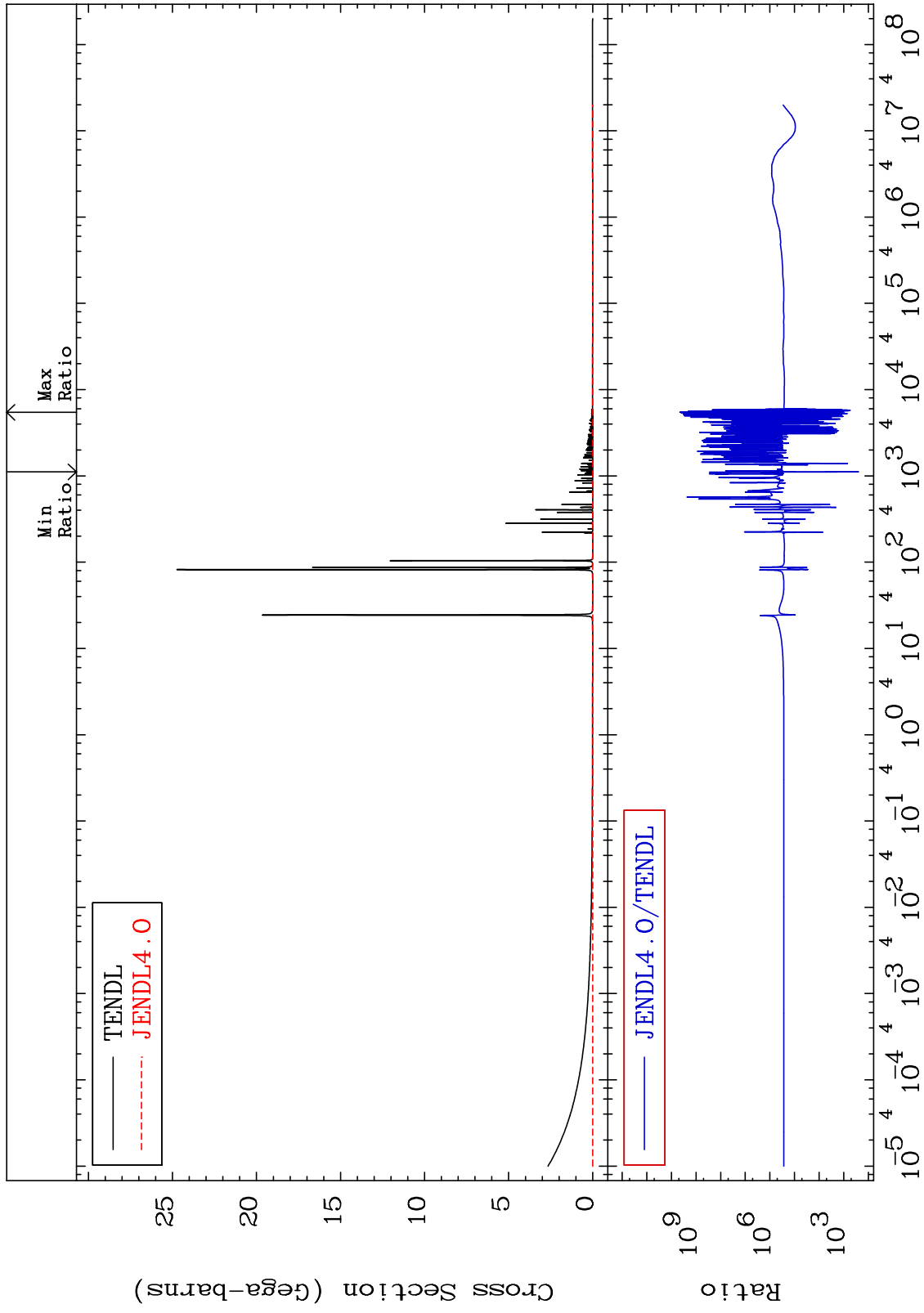


33

Incident Energy (eV)

56-Ba-135

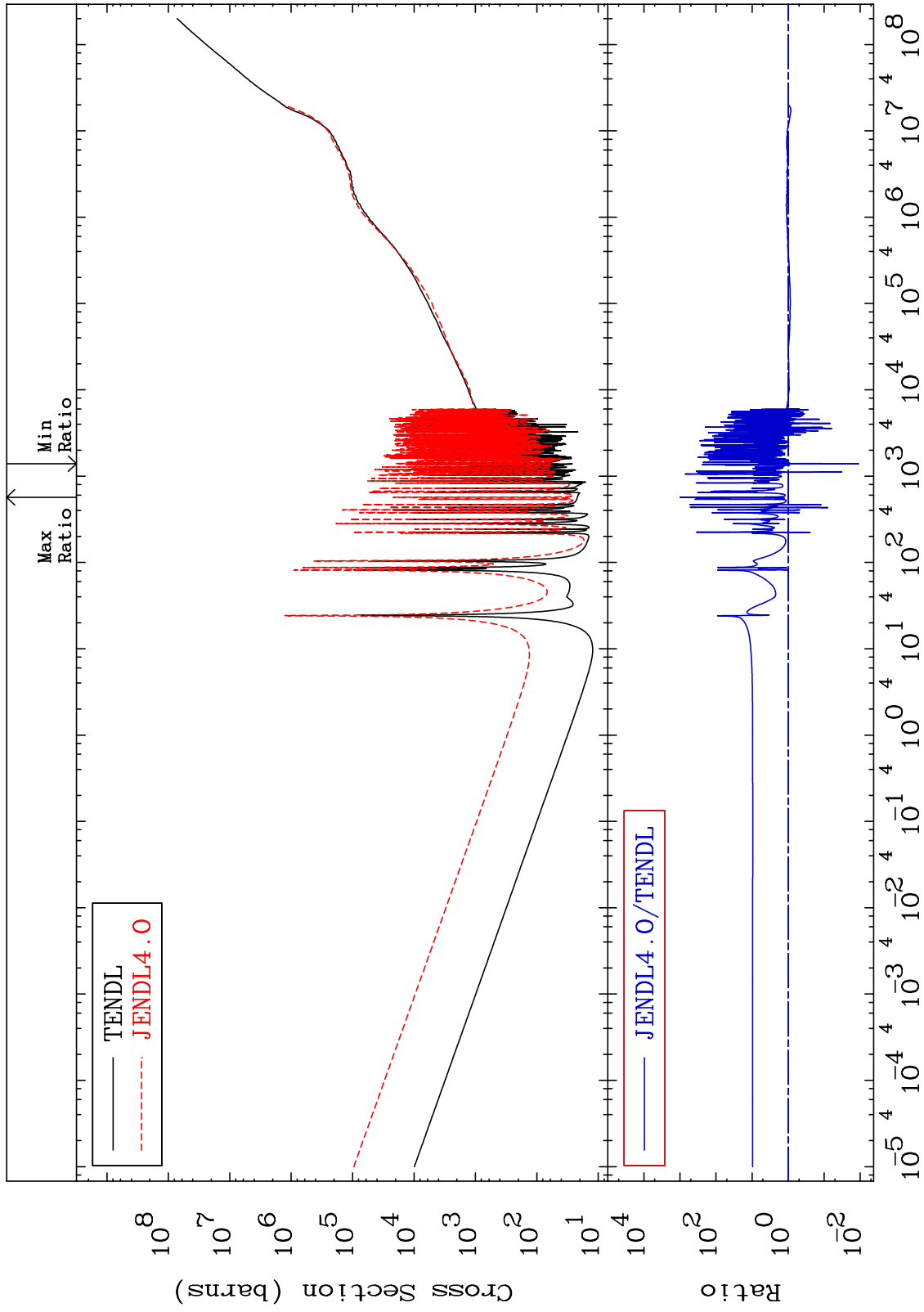
MAT 5640 Total photon (eV-barns) 56-Ba-135  
Cross Section 9999. To 9999. %



MAT 5640

Total kinematic kerma (high limit)  
Cross Section

56-Ba-135  
-98.88 To 9999. %



35

Incident Energy (eV)

56-Ba-135

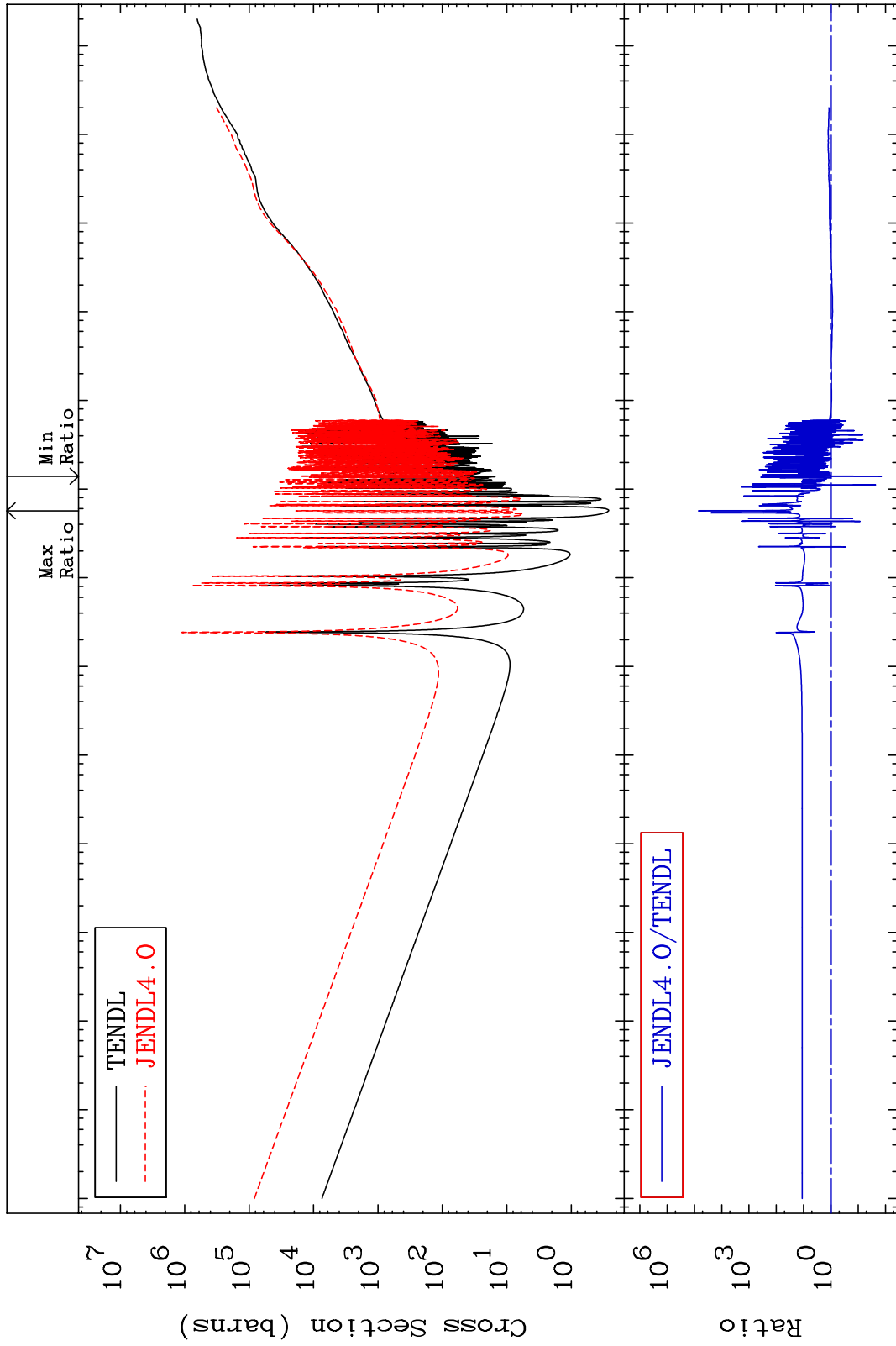
MAT 5640

Dpa total (eV-barns)

56-Ba-135

-98.61 To 9999. %

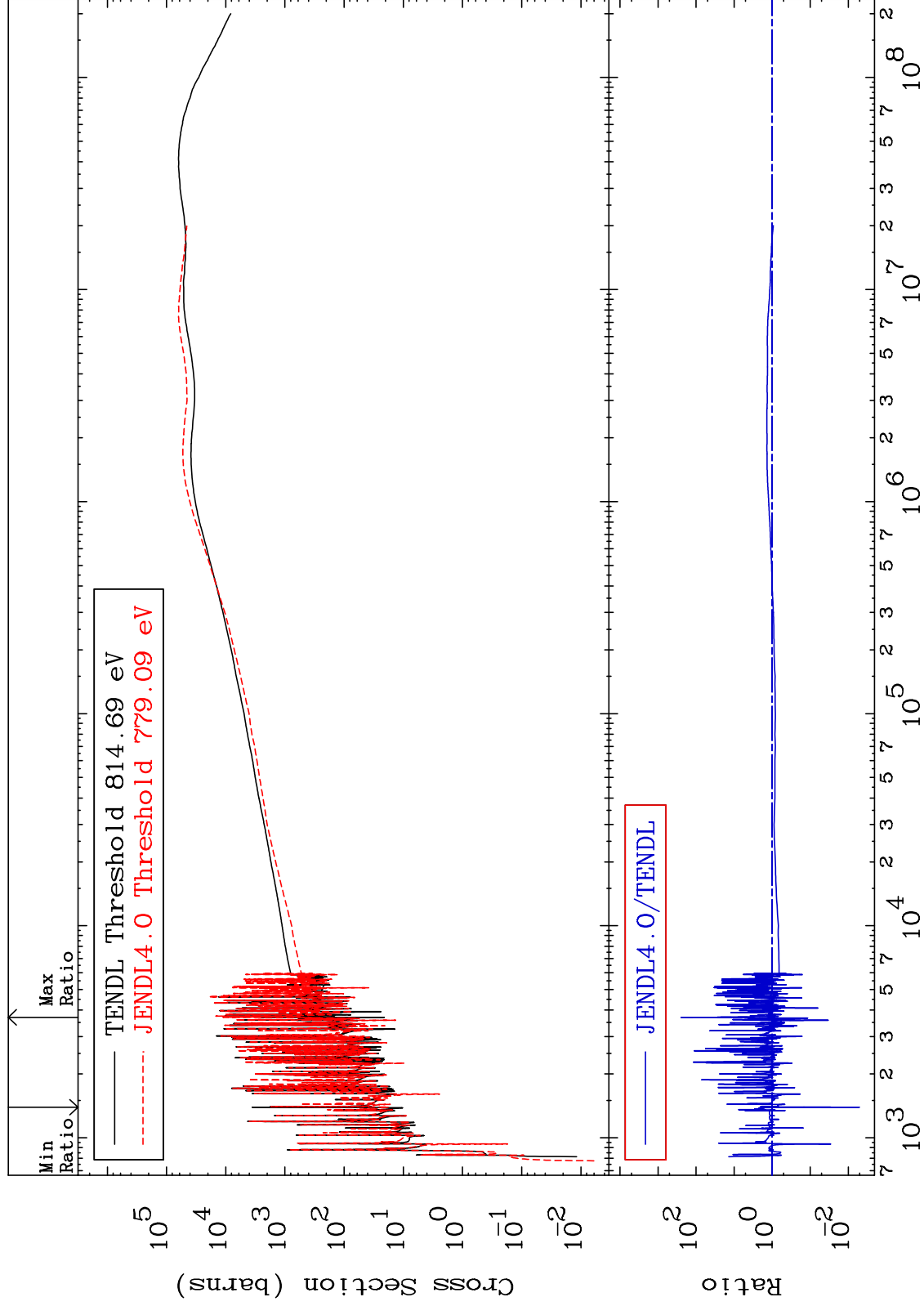
Cross Section



MAT 5640

Dpa elastic (mt2)  
Cross Section

56-Ba-135  
-99.49 To 9999. %



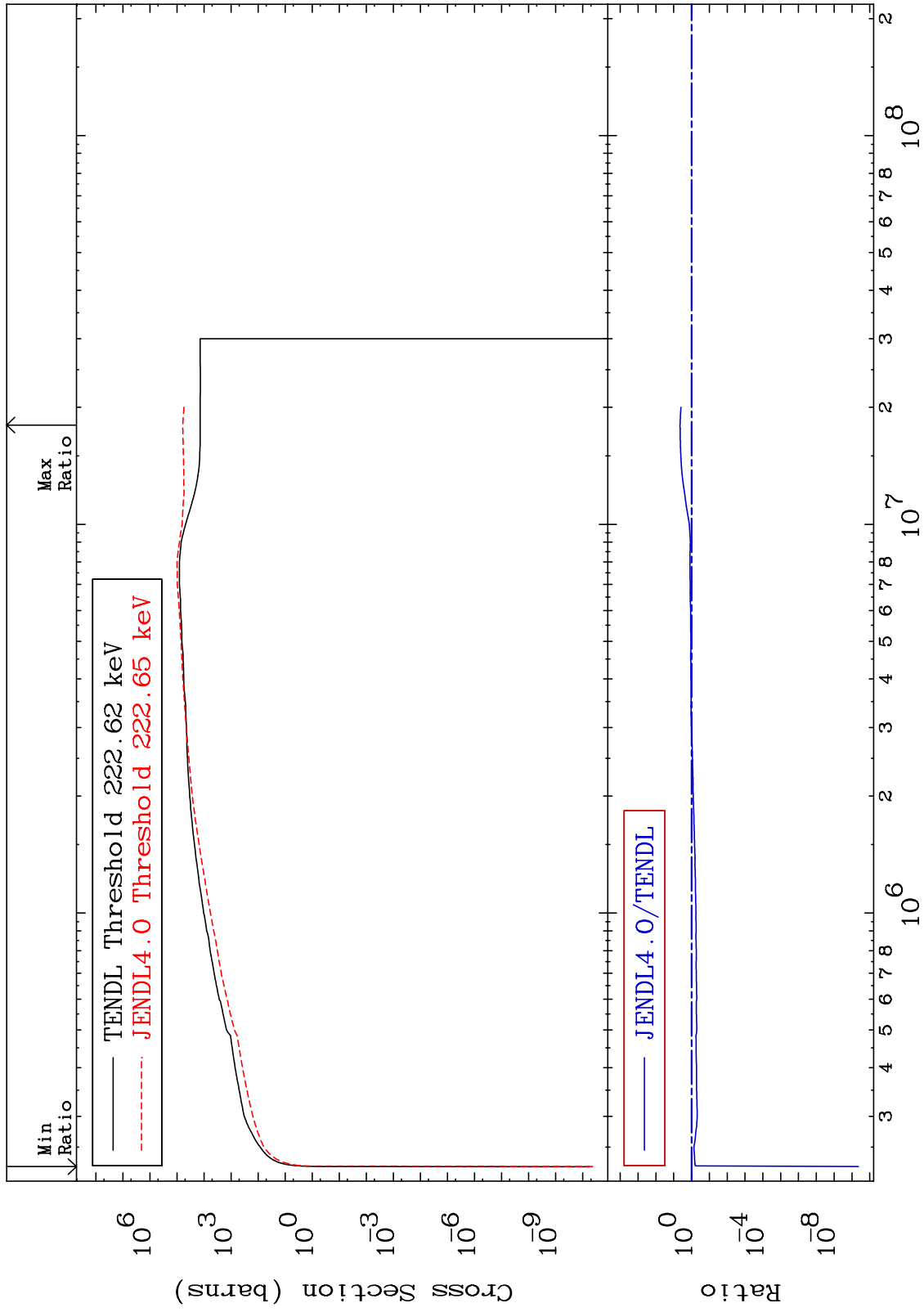
37

56-Ba-135

MAT 5640

Dpa inelastic (mt51-91)  
Cross Section

56-Ba-135  
-100.0 To 343.3 %



MAT 5640

Dpa disappearance (mt102 -120)  
Cross Section

56-Ba-135  
-98.92 To 9999. %

