

Program Complot  
(Version 2018-1)

by

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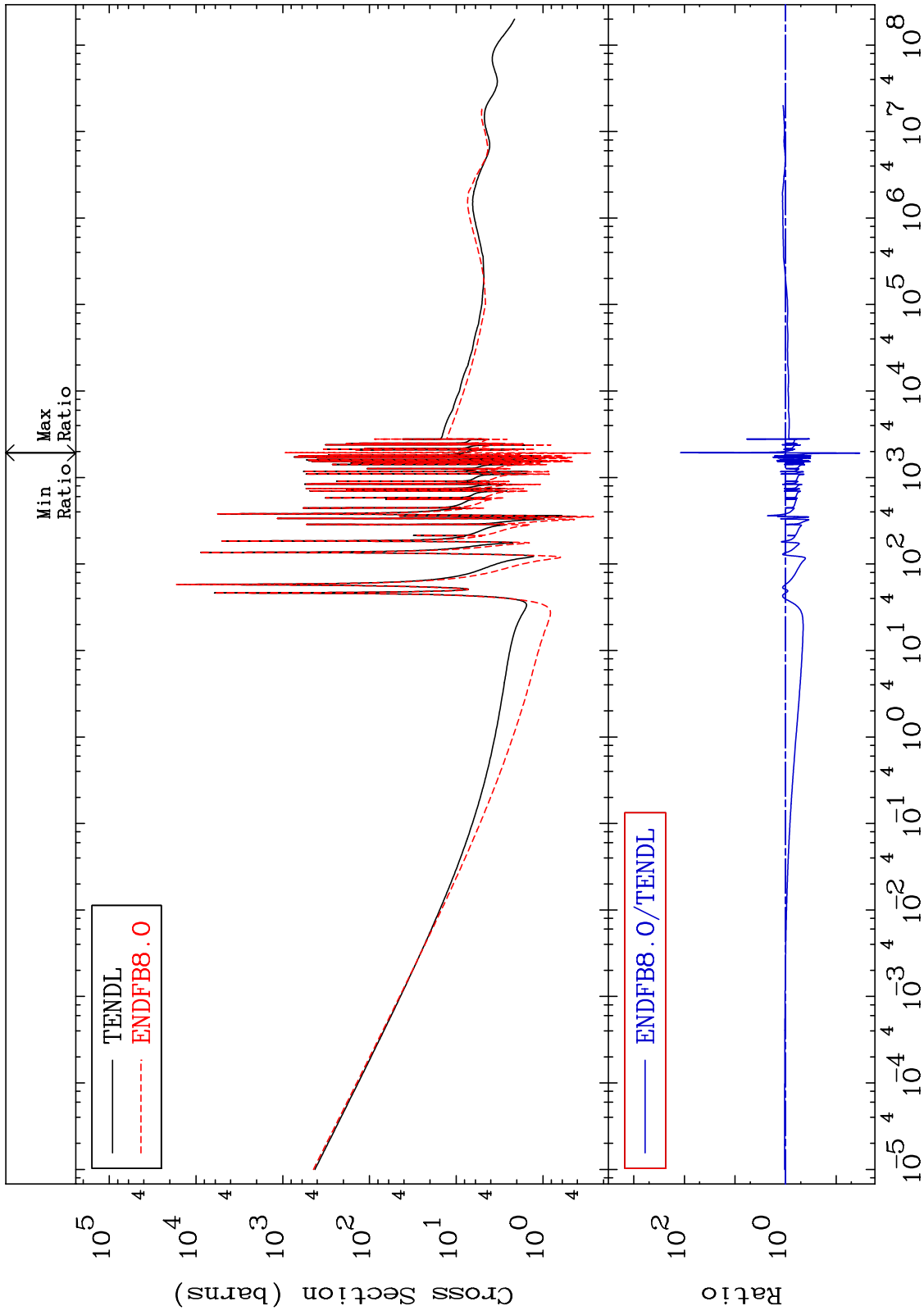
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5625

Total  
Cross Section

56-Ba-130  
-96.58 To 9999. %

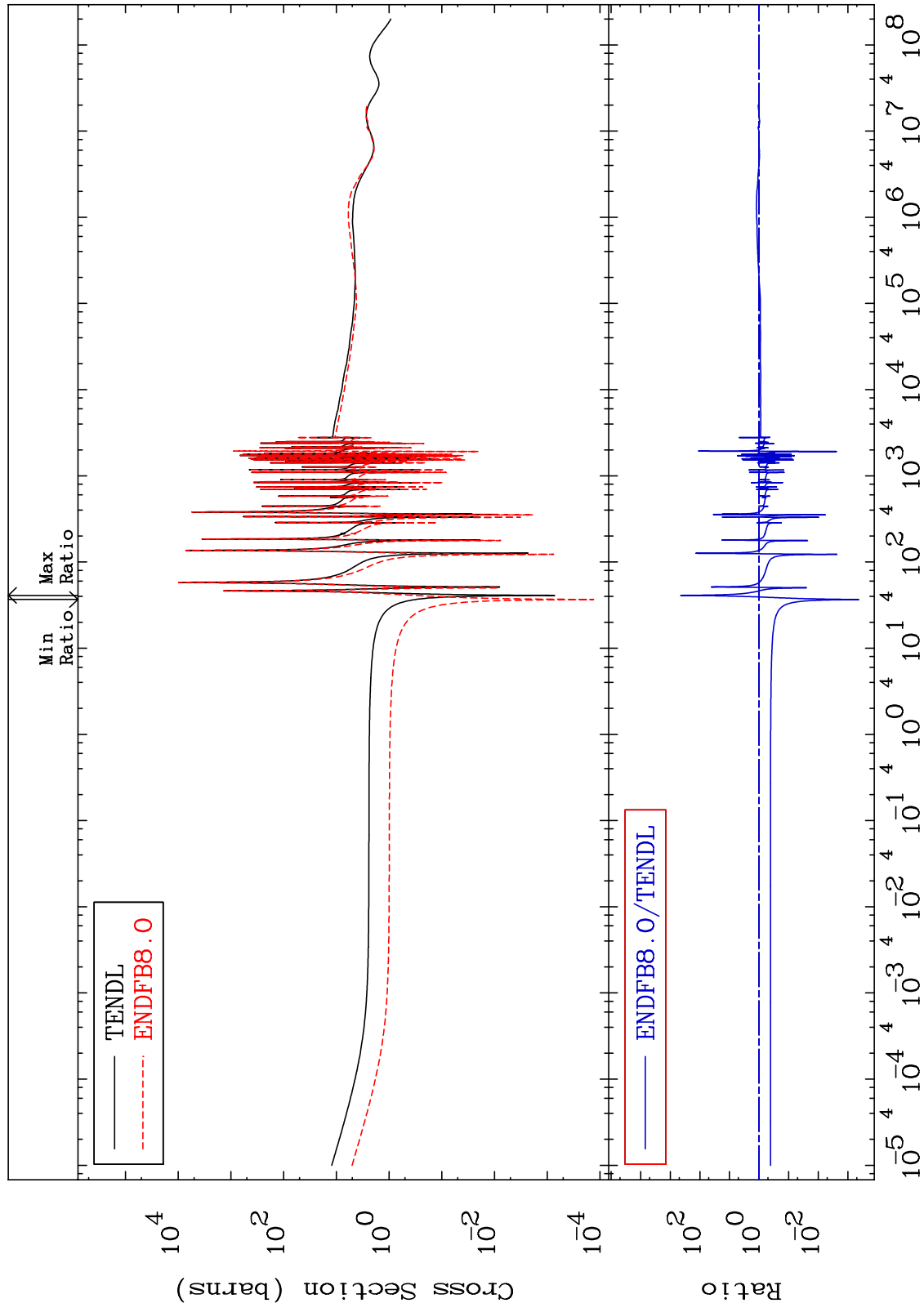


1

Incident Energy (eV)

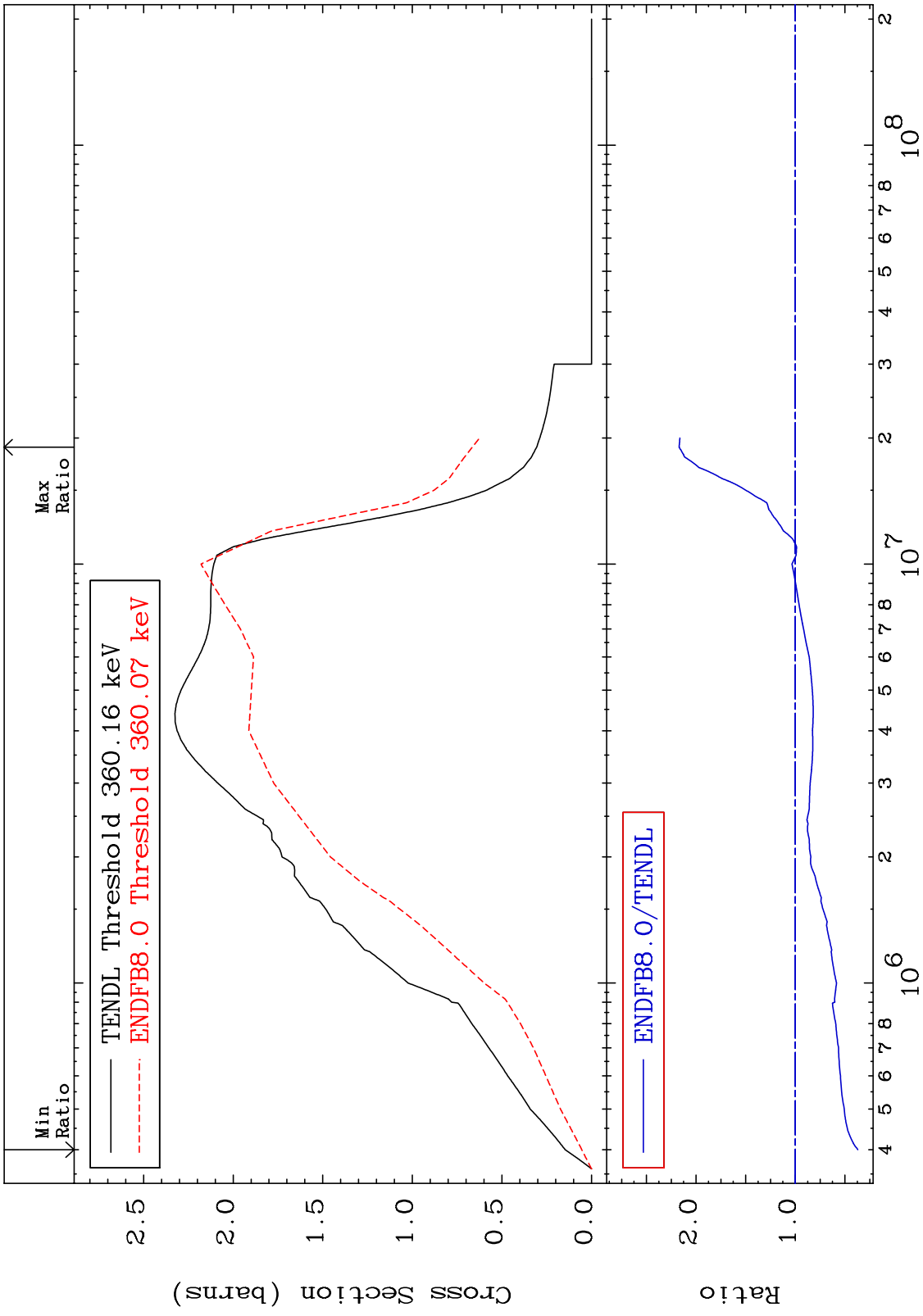
56-Ba-130

MAT 5625 Elastic Cross Section 56-Ba-130 -99.96 To 9999. %



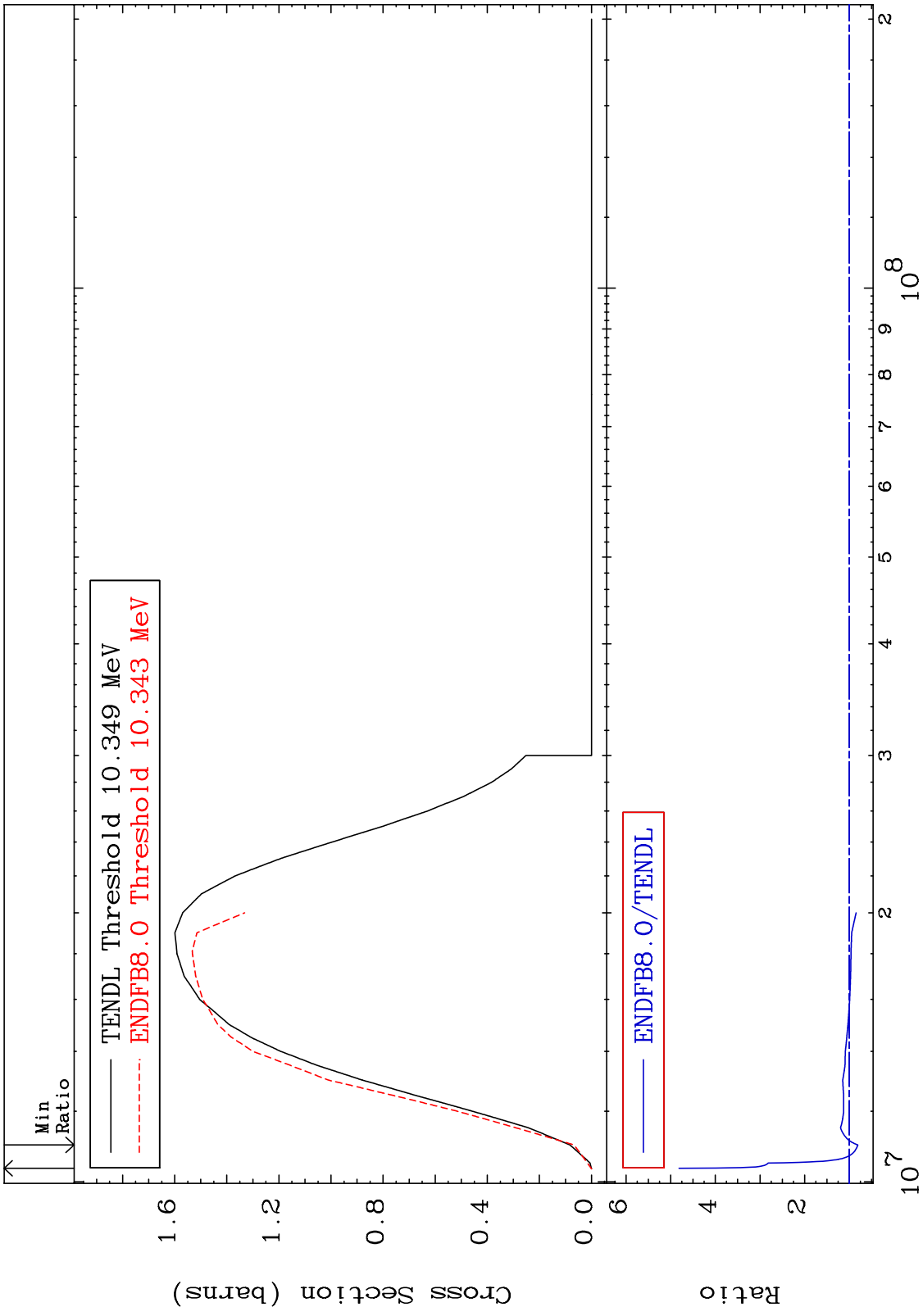
2 56-Ba-130 Incident Energy (eV)

MAT 5625 56-Ba-130 -62.99 To 117.2 % Inelastic Cross Section



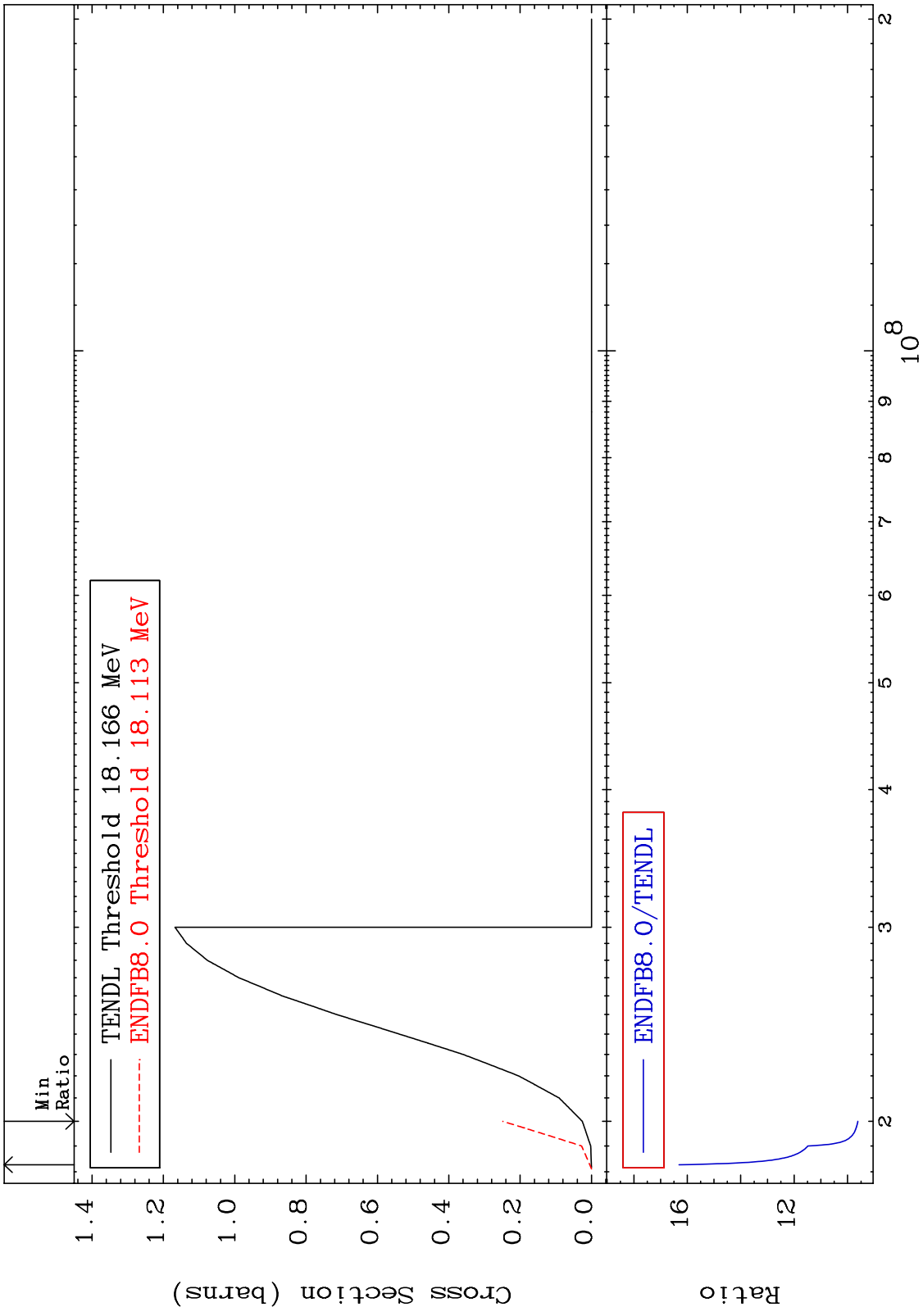
3 56-Ba-130

MAT 5625 (n,2n) Cross Section 56-Ba-130 -19.05 To 381.2 %

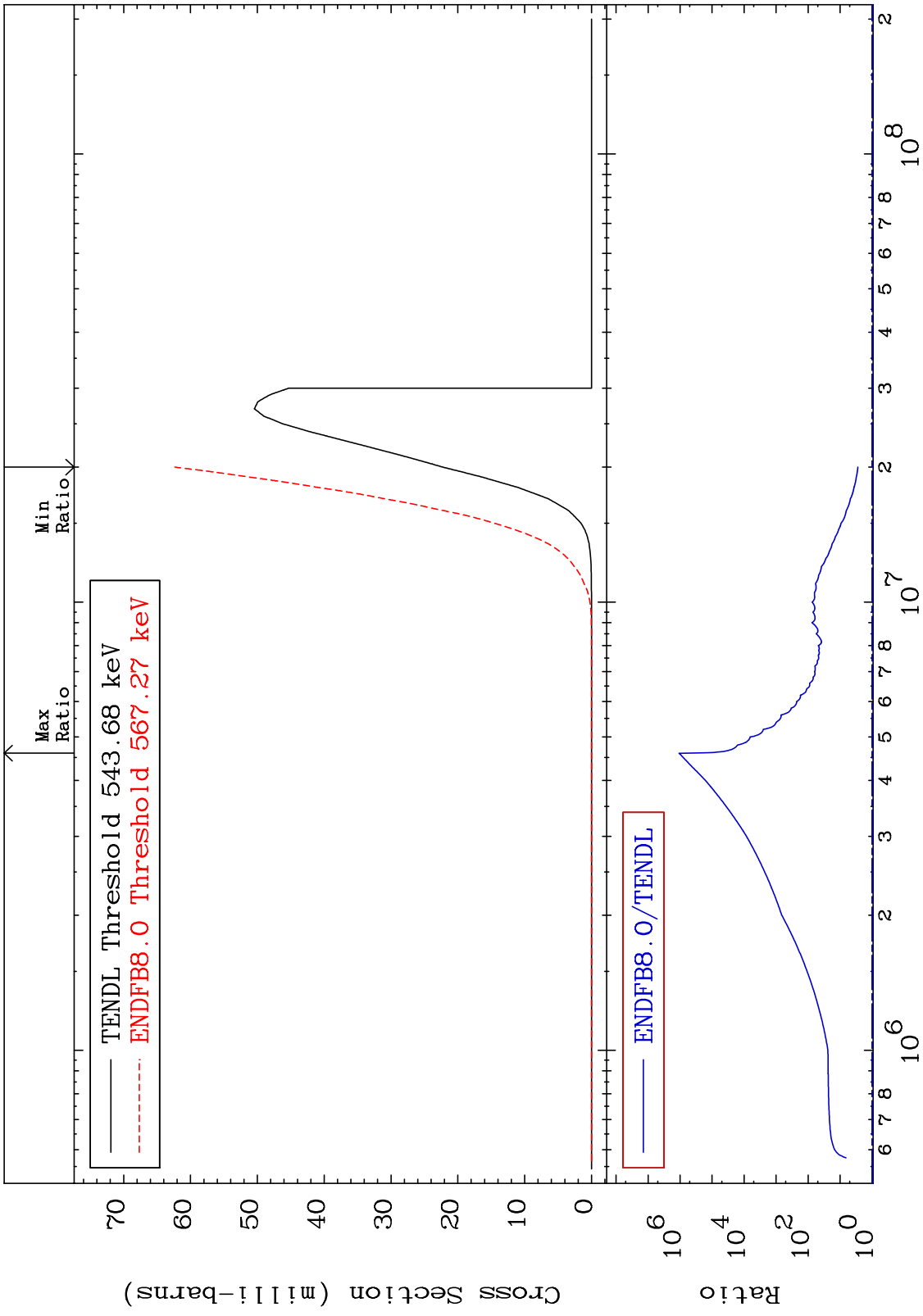


Incident Energy (eV) 56-Ba-130

MAT 5625 (n,3n) Cross Section 56-Ba-130 To 1531. %  
 861.7

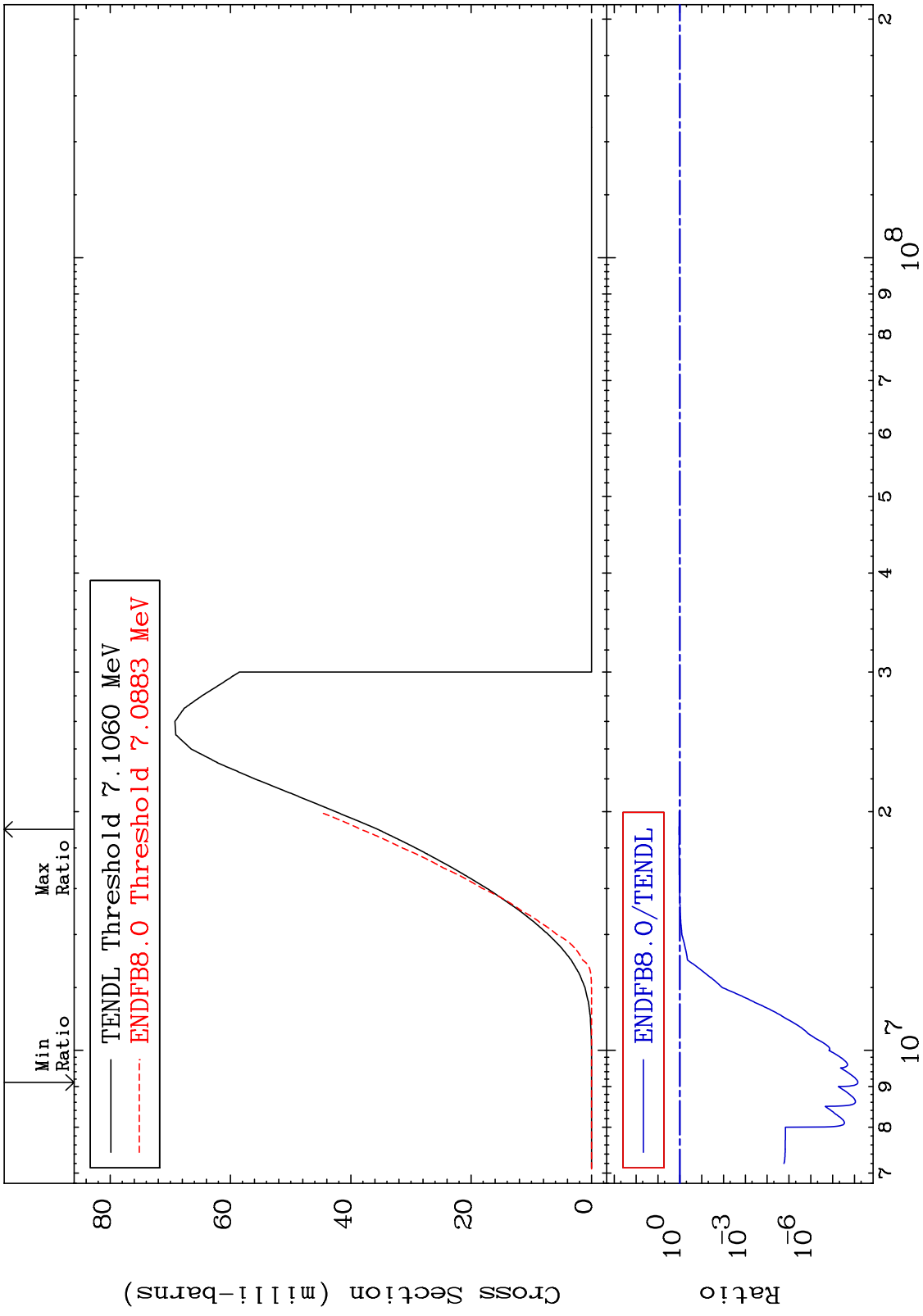


MAT 5625  $(n, n') \alpha$  56-Ba-130  
 Cross Section 180.4 To 9999. %



6 56-Ba-130

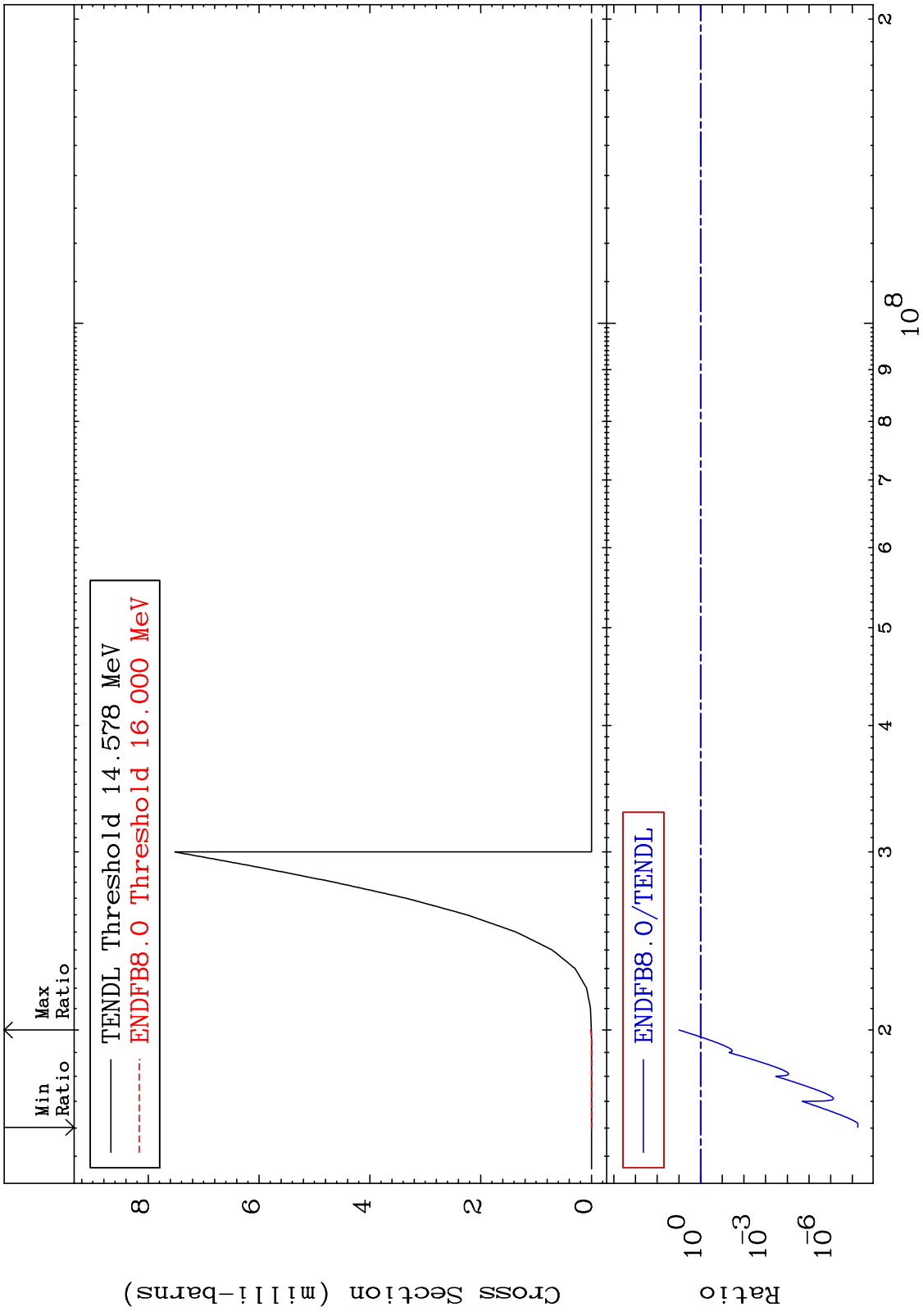
MAT 5625  $^{56}\text{Ba-130}$  (n,n') p Cross Section -100.0 To 7.839 %



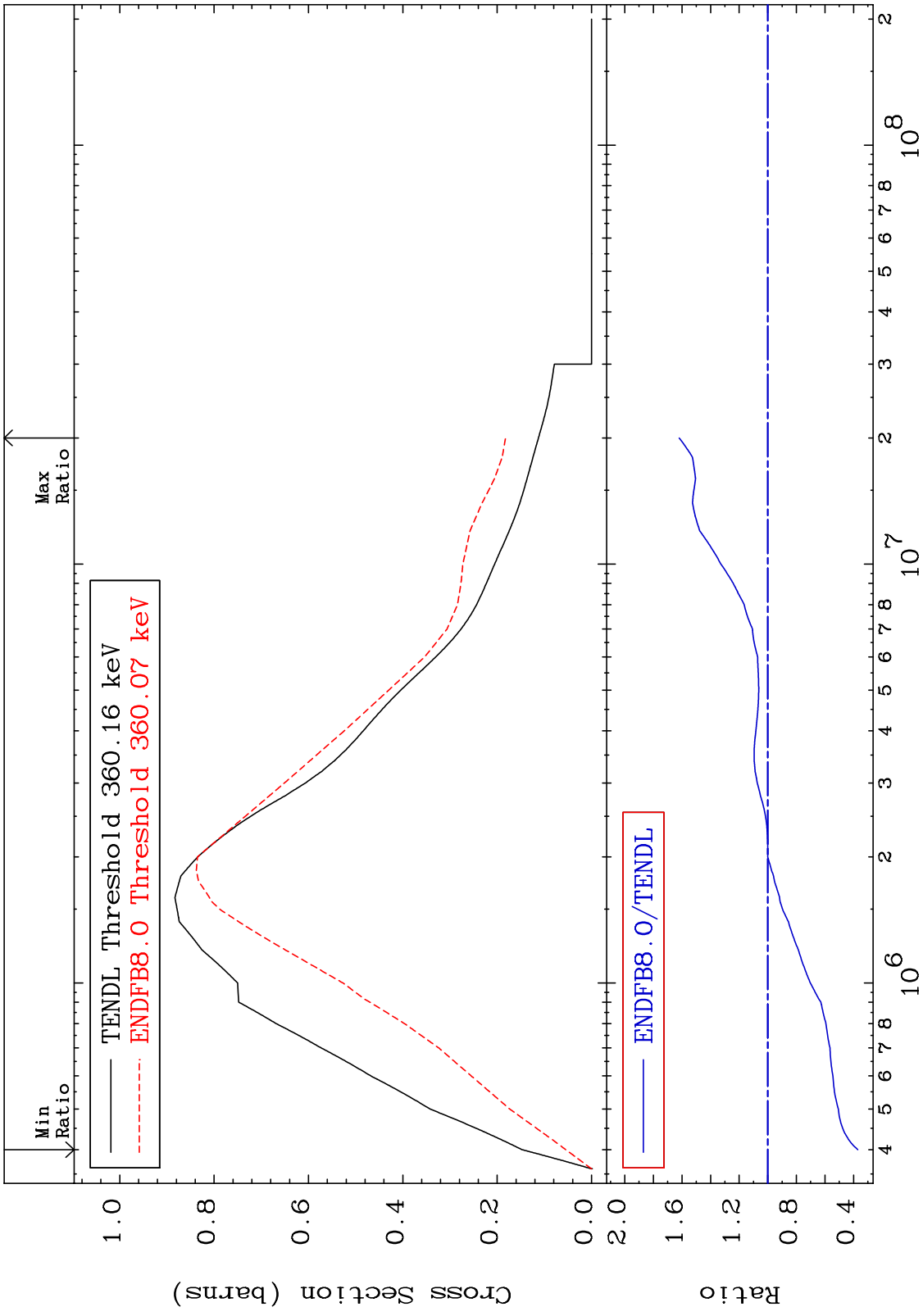
56-Ba-130 Incident Energy (eV) 56-Ba-130



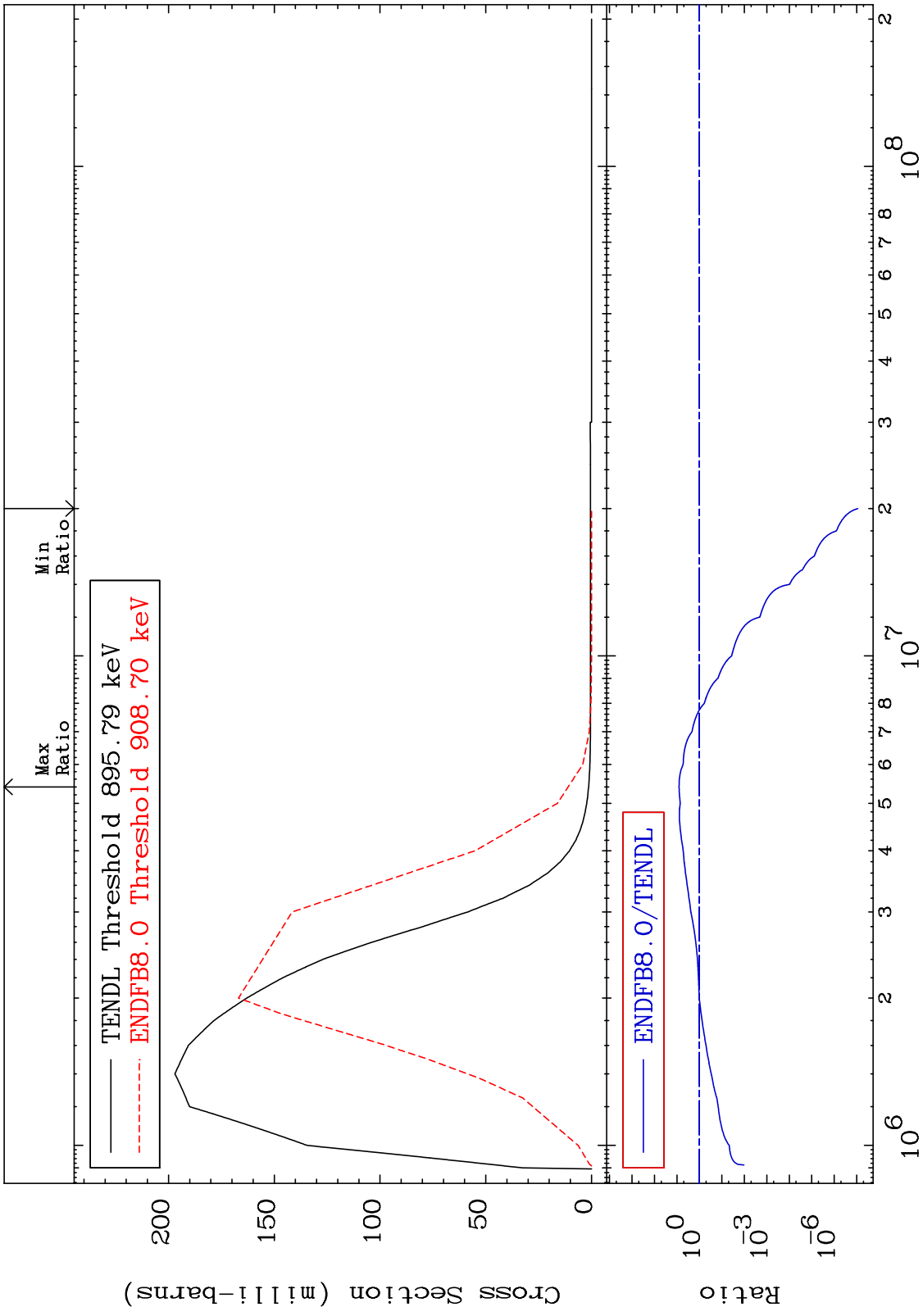
MAT 5625 (n,n') d 56-Ba-130  
 Cross Section -100.0 To 885.6 %



MAT 5625 MT= 51 (n,n') Level Cross Section 56-Ba-130 -62.99 To 62.05 %

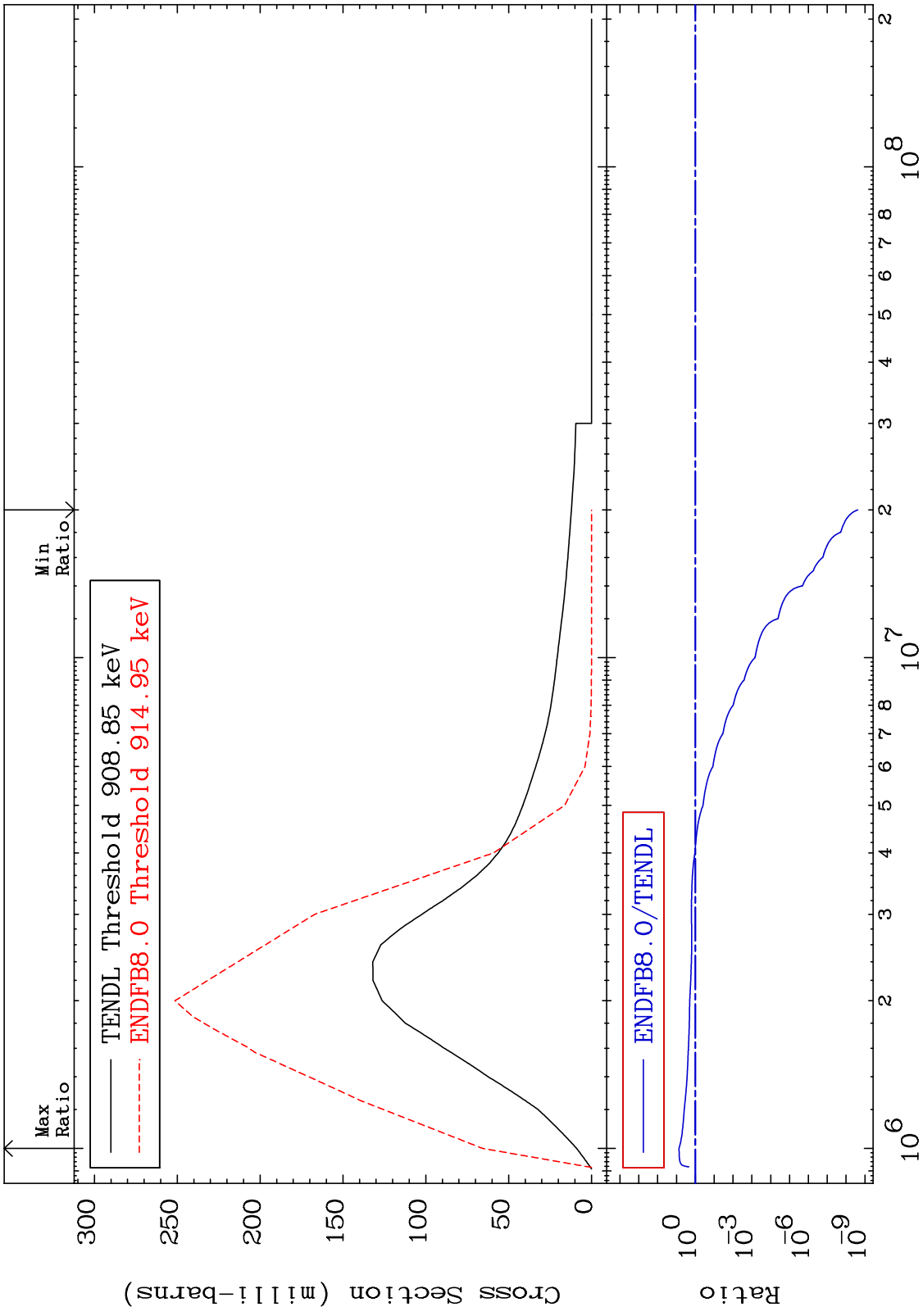


MAT 5625 MT= 52 (n,n') Level Cross Section 56-Ba-130 -100.0 To 705.8 %



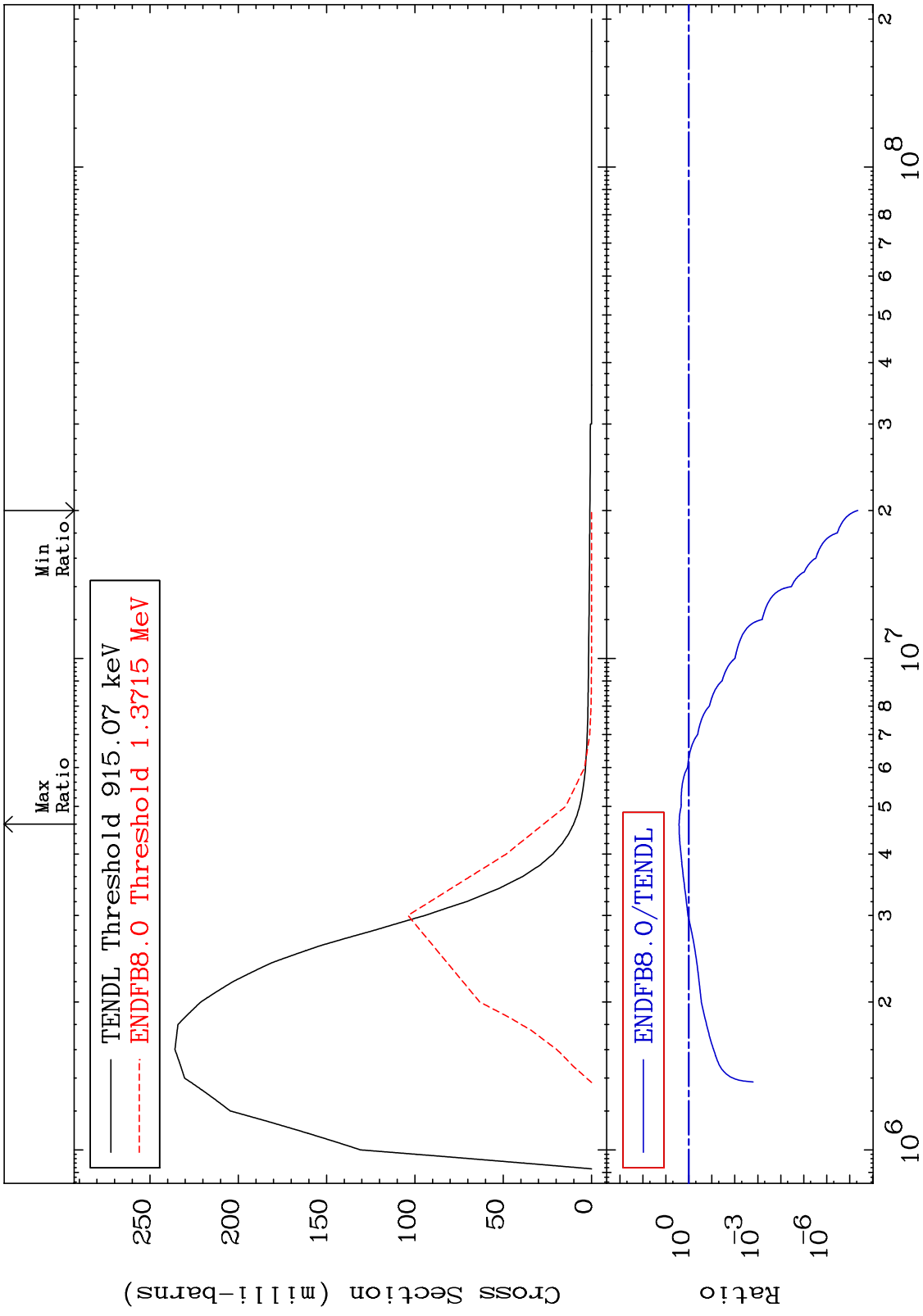
56-Ba-130 Incident Energy (eV)

MAT 5625 MT= 53 (n,n') Level Cross Section 56-Ba-130 -100.0 To 632.2 %



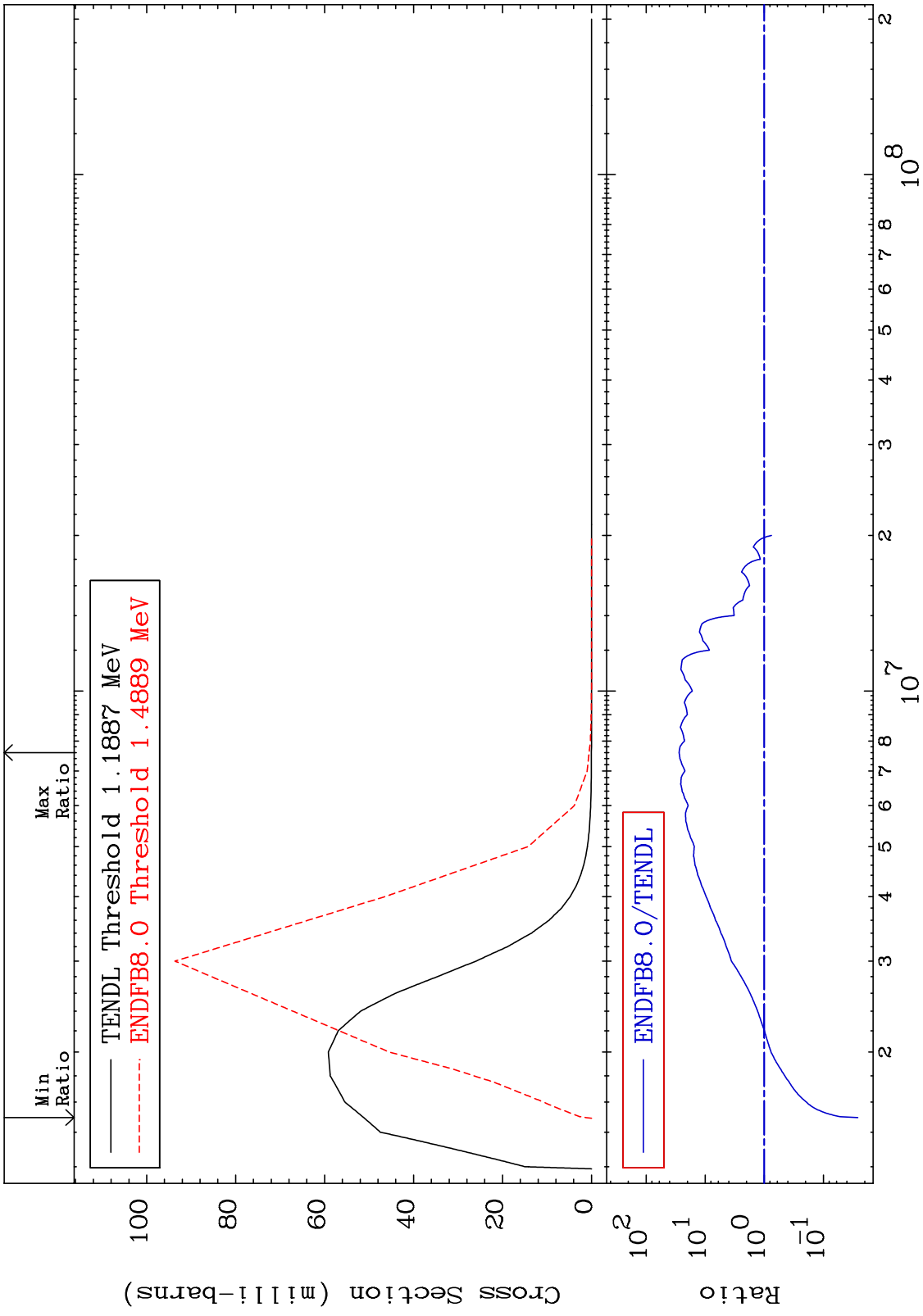
11 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 54 (n,n') Level Cross Section 56-Ba-130 -100.0 To 167.8 %

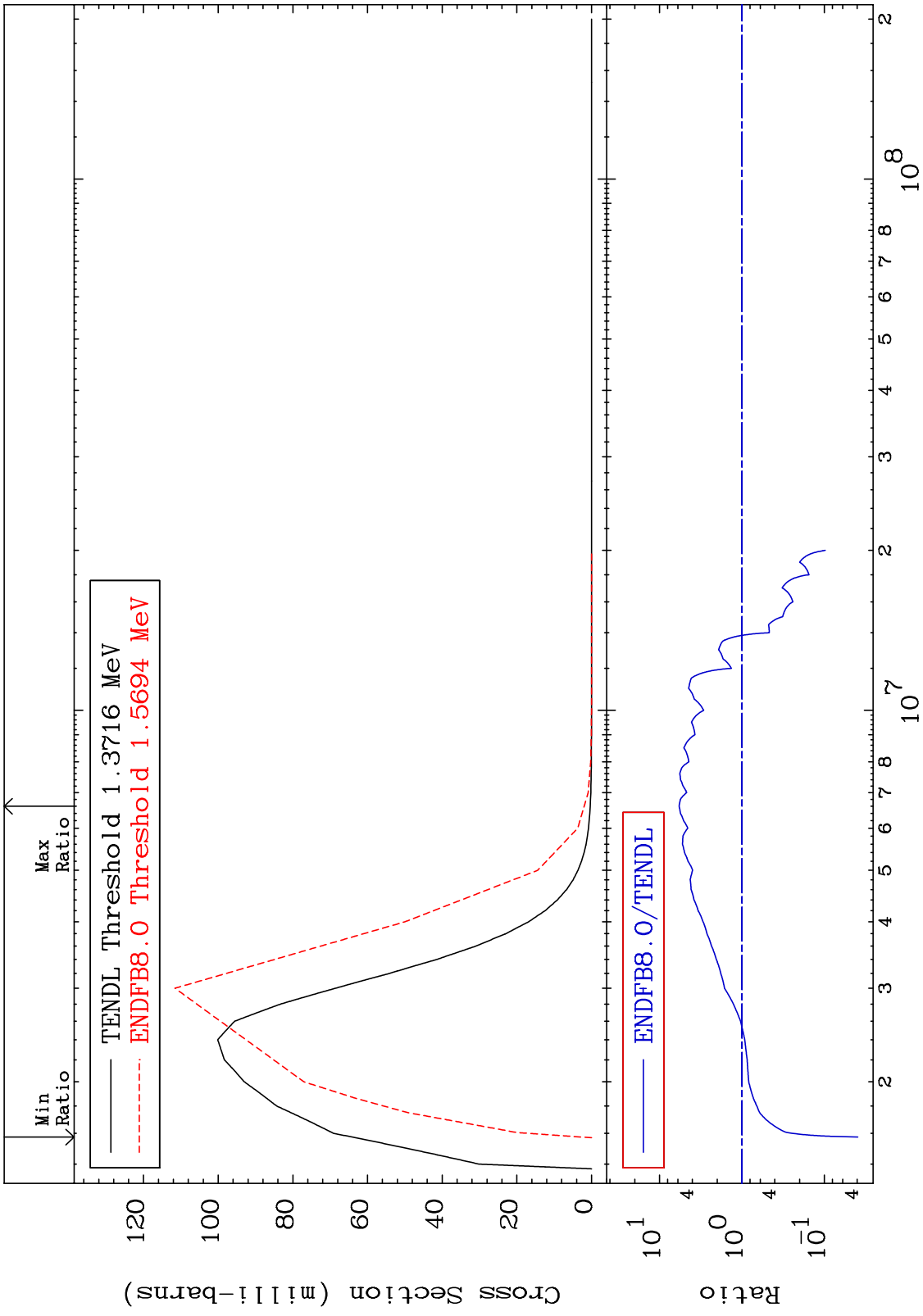


12 Incident Energy (eV) 56-Ba-130

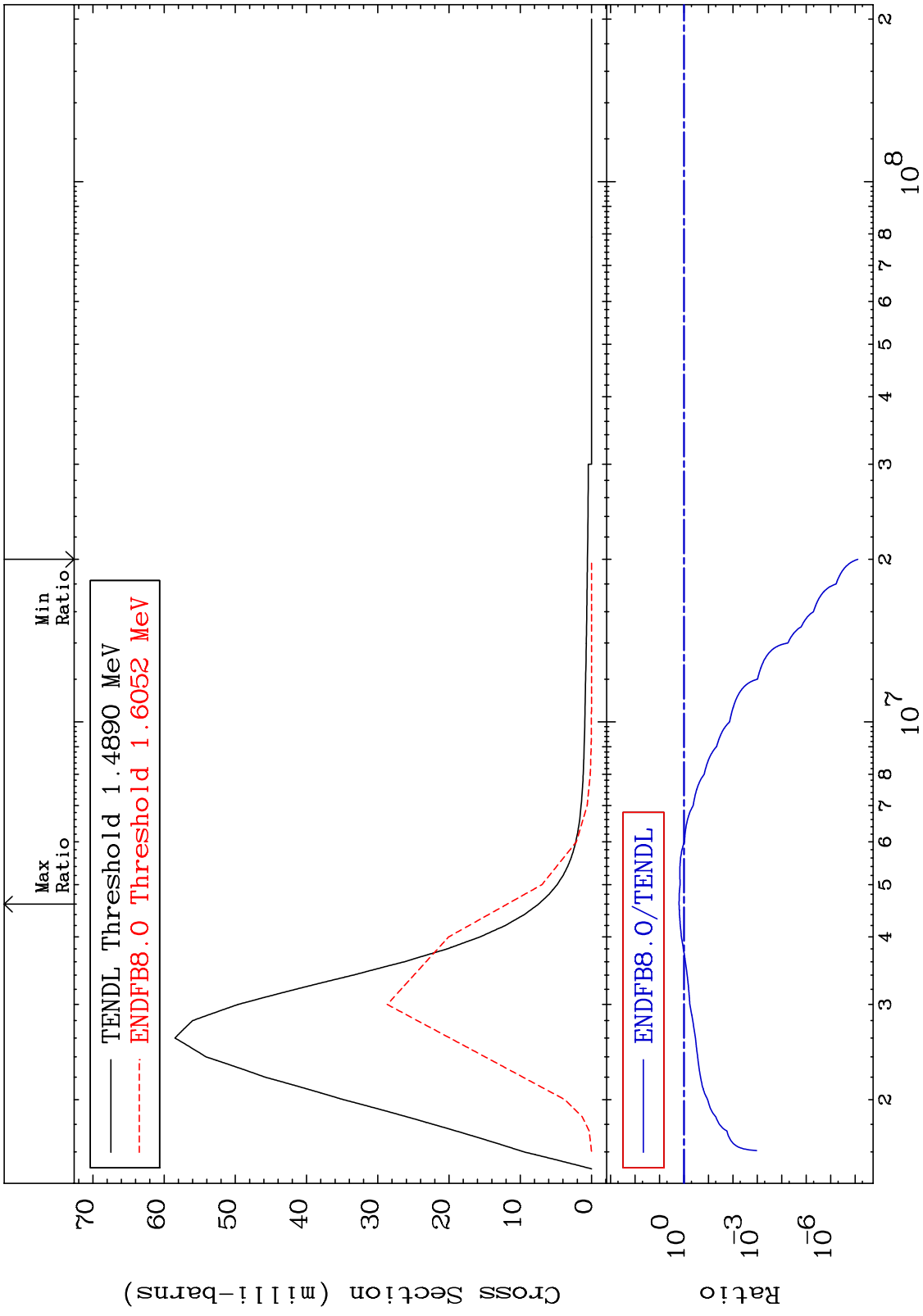
MAT 5625 MT= 55 (n,n') Level Cross Section 56-Ba-130  
 -97.39 To 2669. %



MAT 5625 MT= 56 (n,n') Level Cross Section 56-Ba-130 -96.07 To 480.0 %

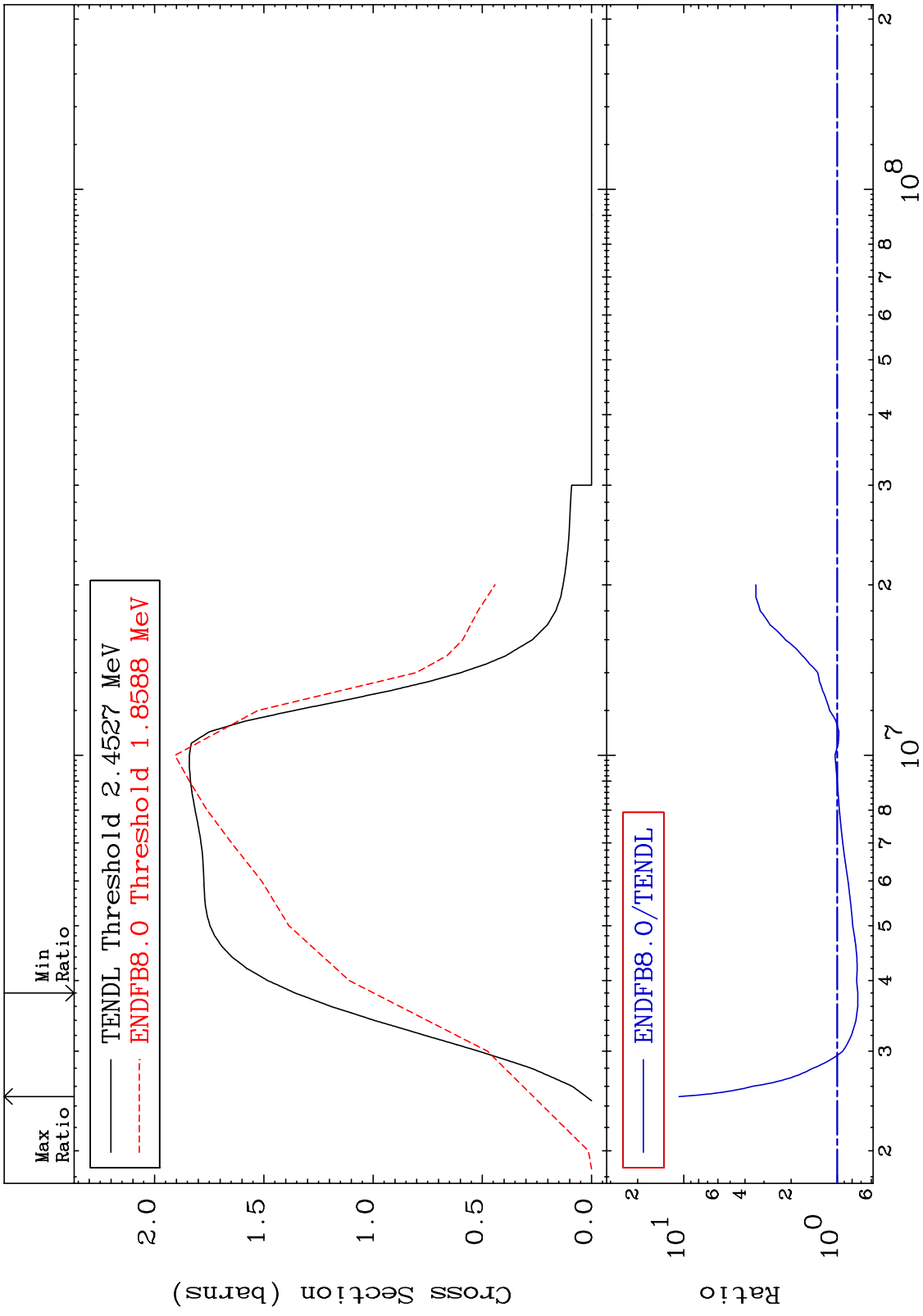


MAT 5625 MT= 57 (n,n') Level Cross Section 56-Ba-130  
 -100.0 To 59.34 %





MAT 5625 (n,n') Continuum Cross Section 56-Ba-130 -26.52 To 974.4 %



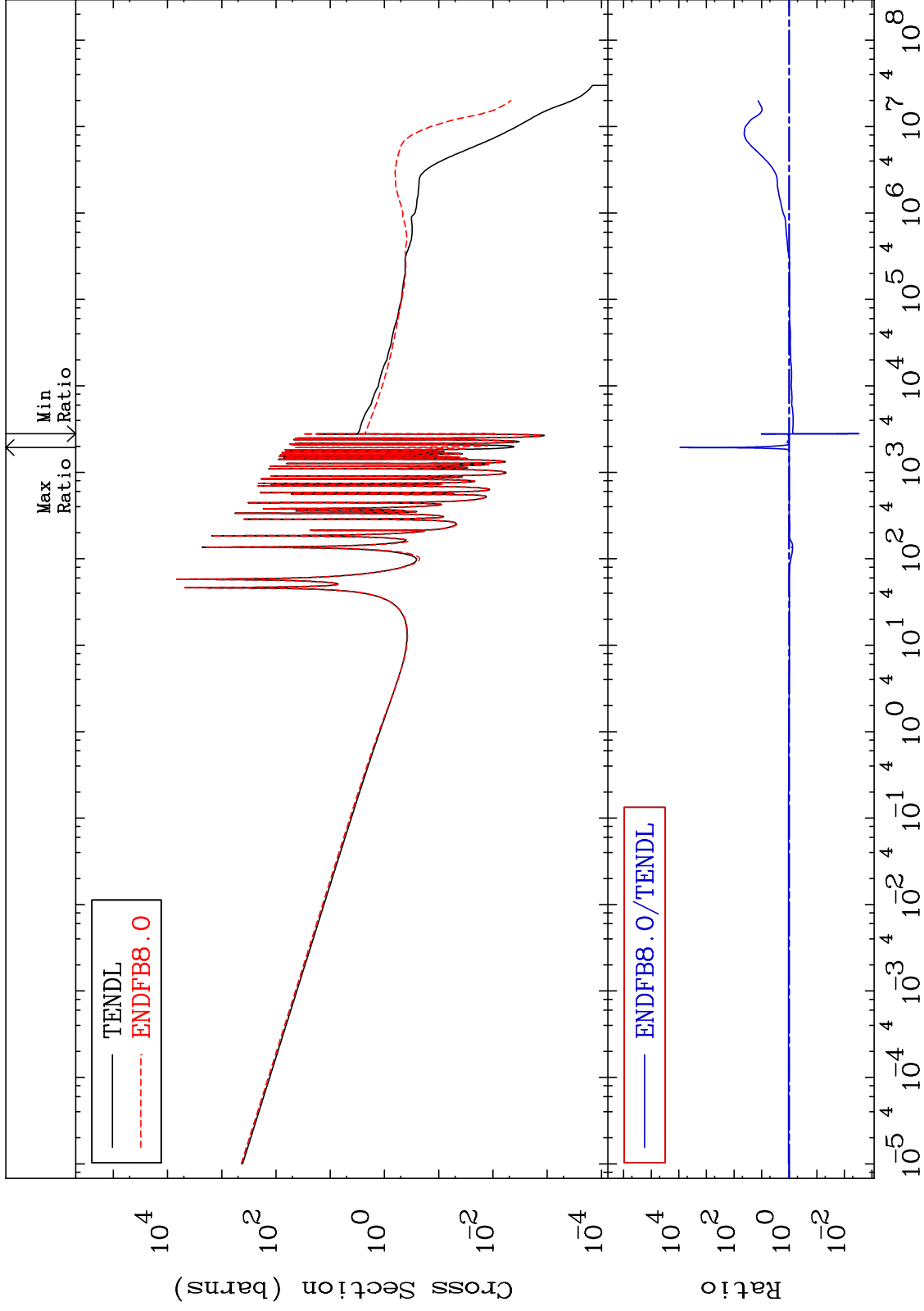
MAT 5625

(n,  $\gamma$ )

56-Ba-130

-99.70 To 9999. %

Cross Section

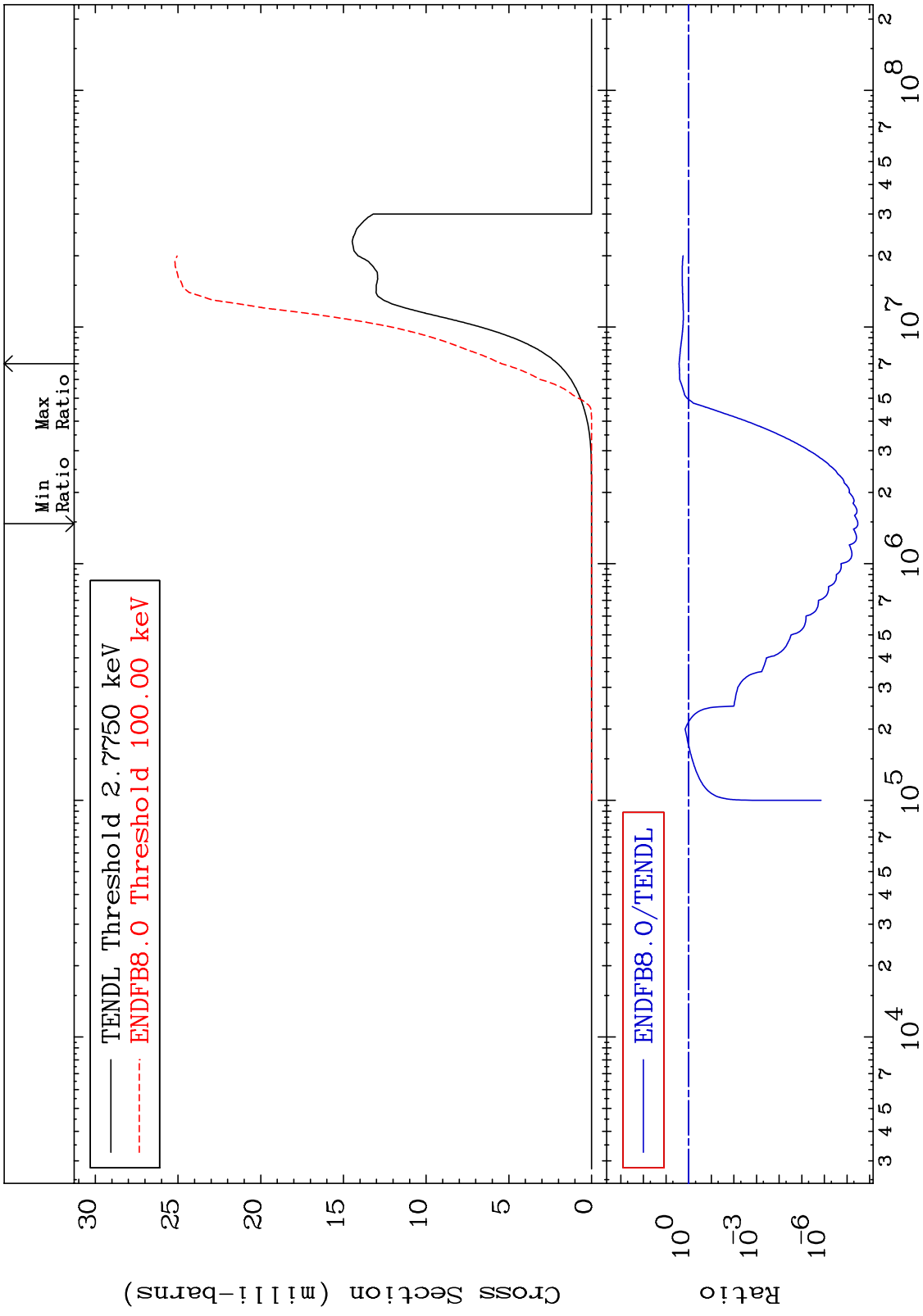


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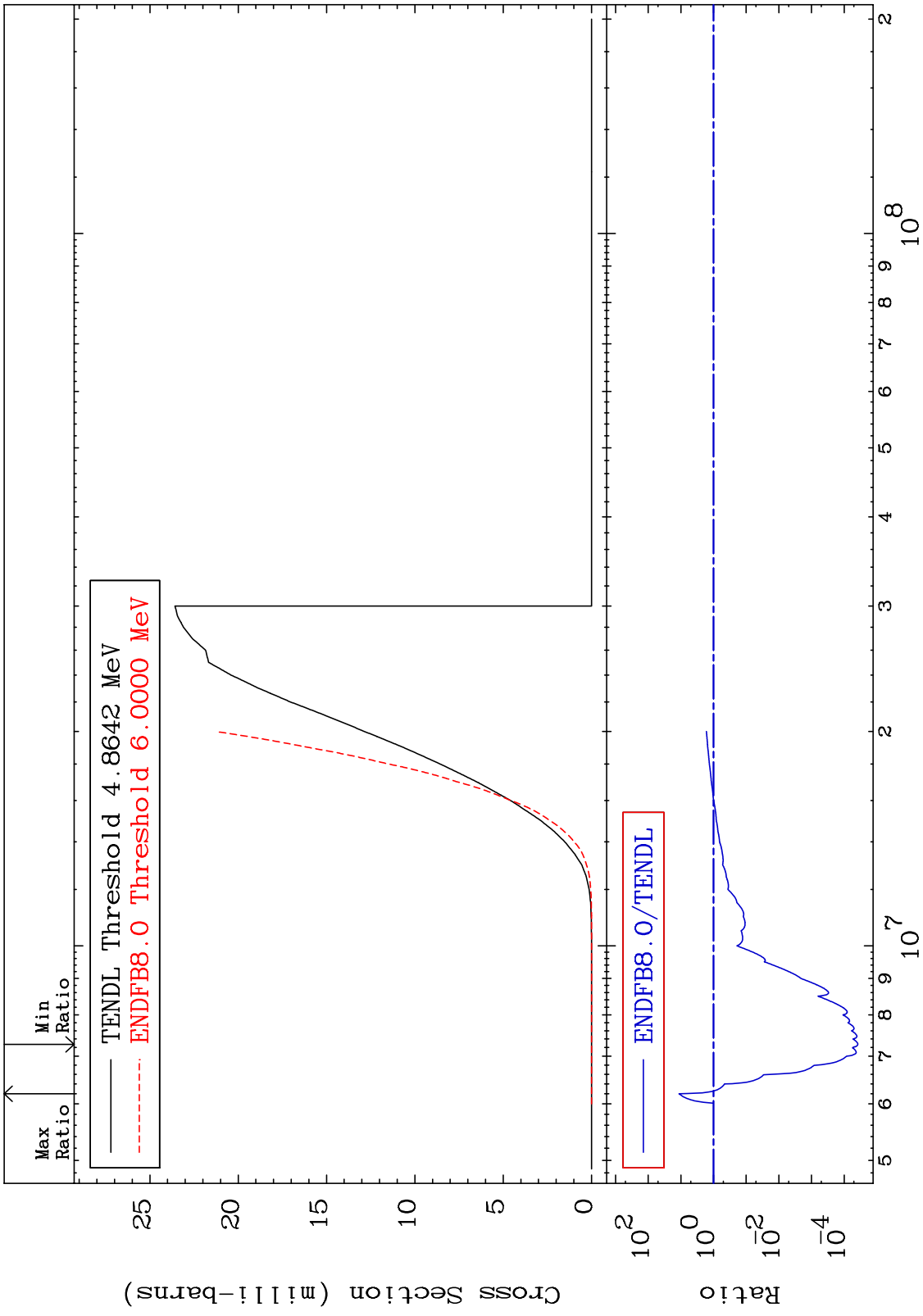
Incident Energy (eV)

56-Ba-130

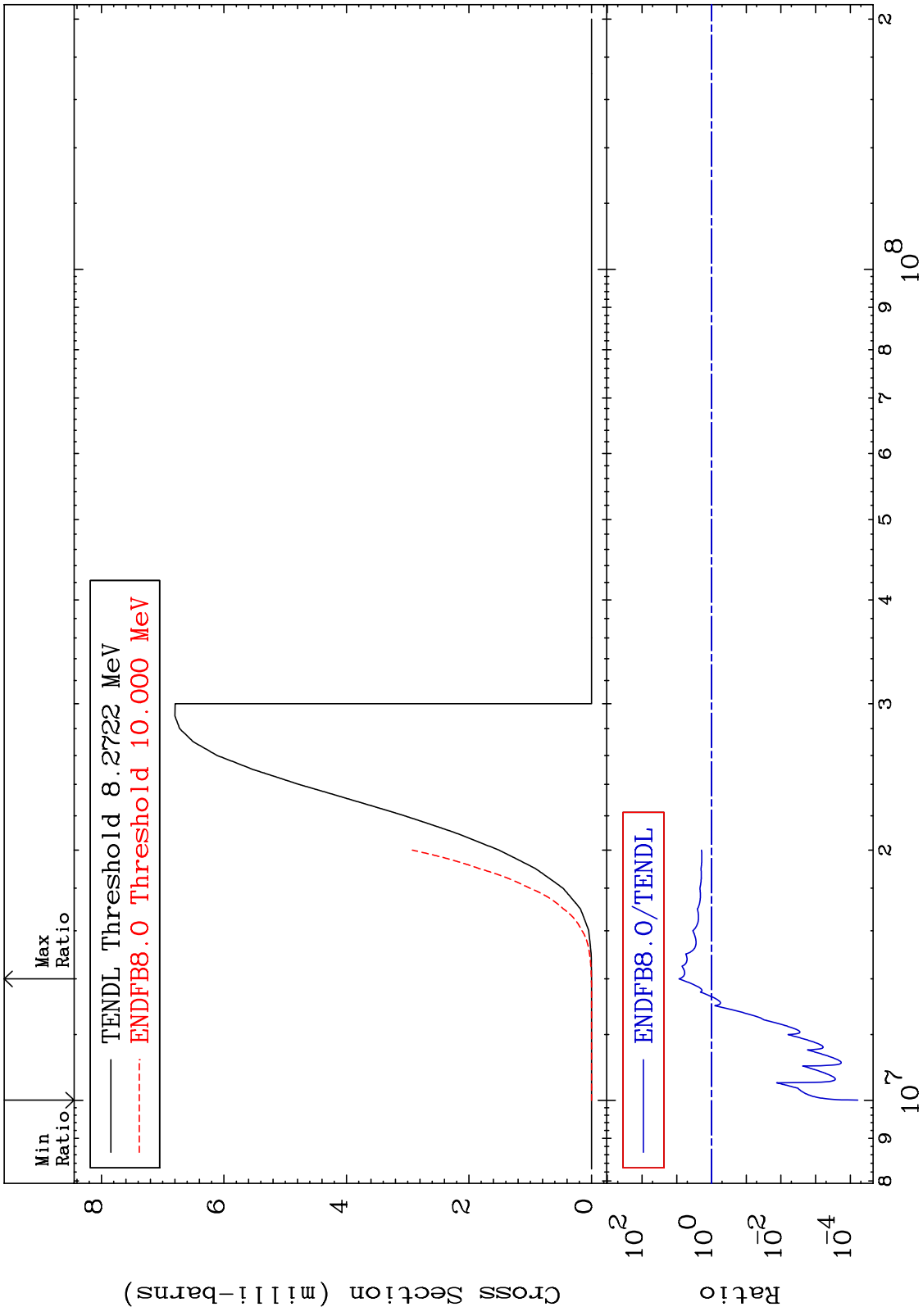
MAT 5625 (n,p) Cross Section 56-Ba-130 -100.0 To 166.4 %



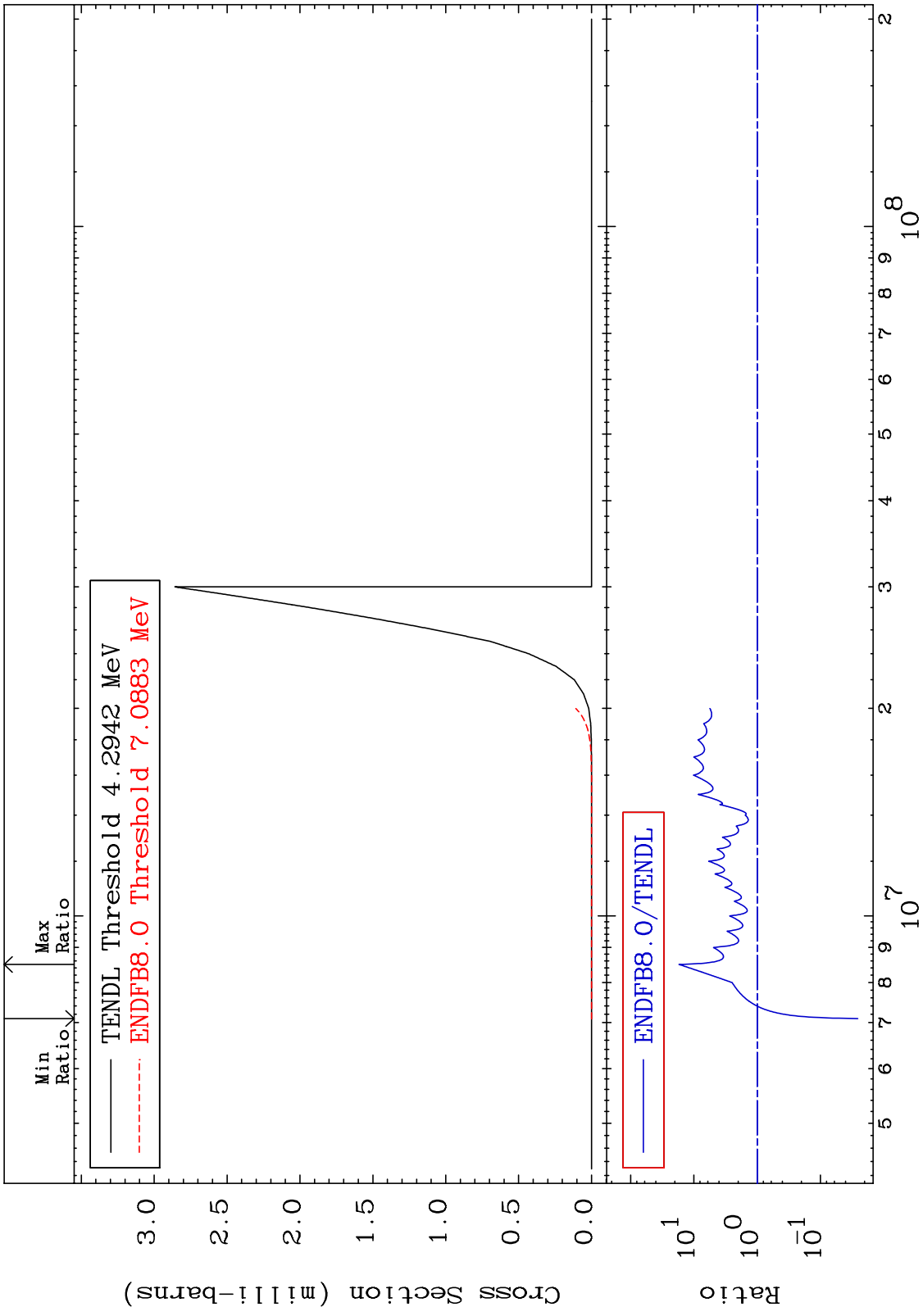
MAT 5625 (n,d) 56-Ba-130  
 Cross Section -100.0 To 1038. %



MAT 5625 (n,t) Cross Section 56-Ba-130 -99.99 To 760.8 %



MAT 5625 (n,He-3) 56-Ba-130  
 Cross Section -97.44 To 1615. %



21 56-Ba-130

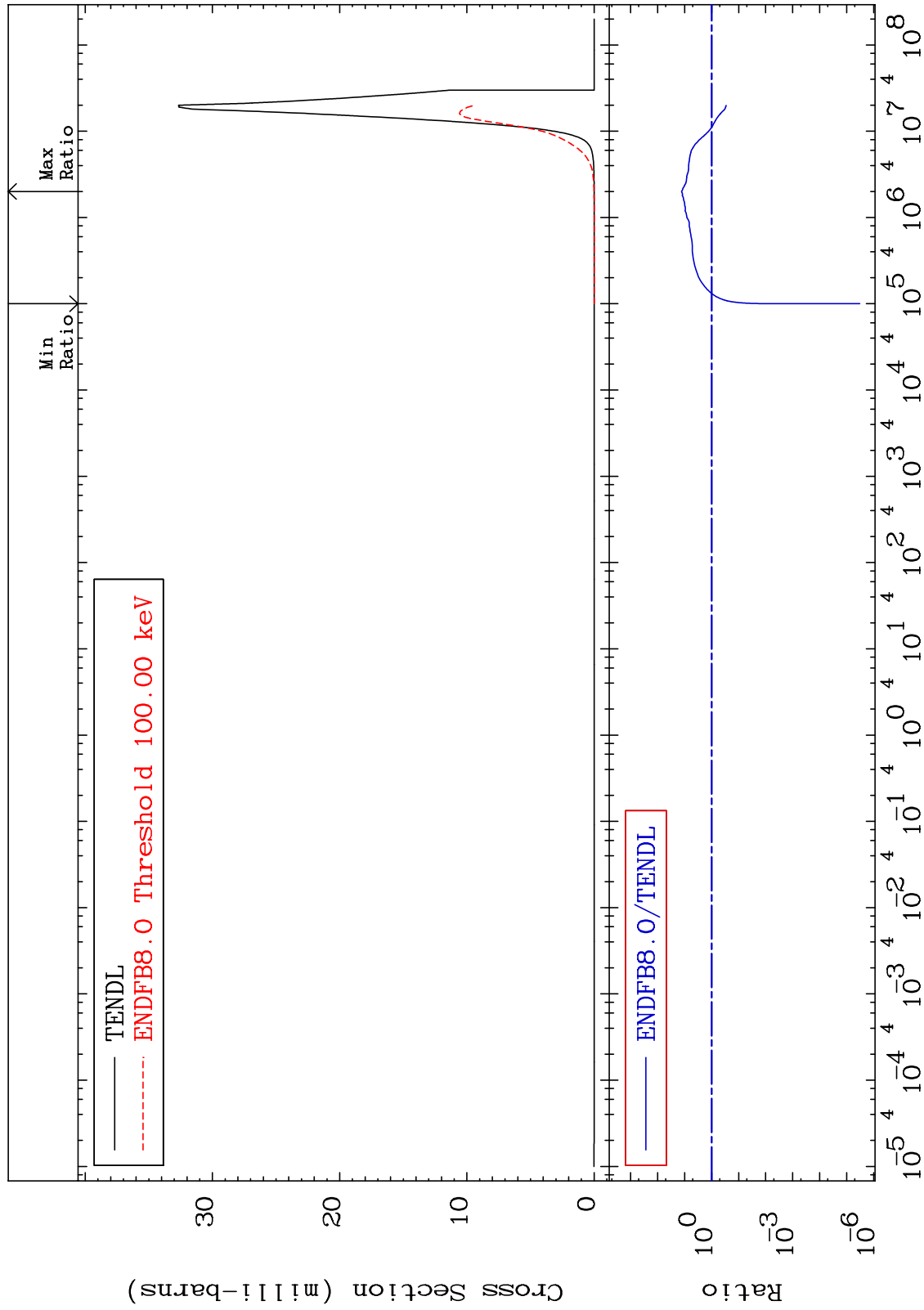
MAT 5625

(n,  $\alpha$ )

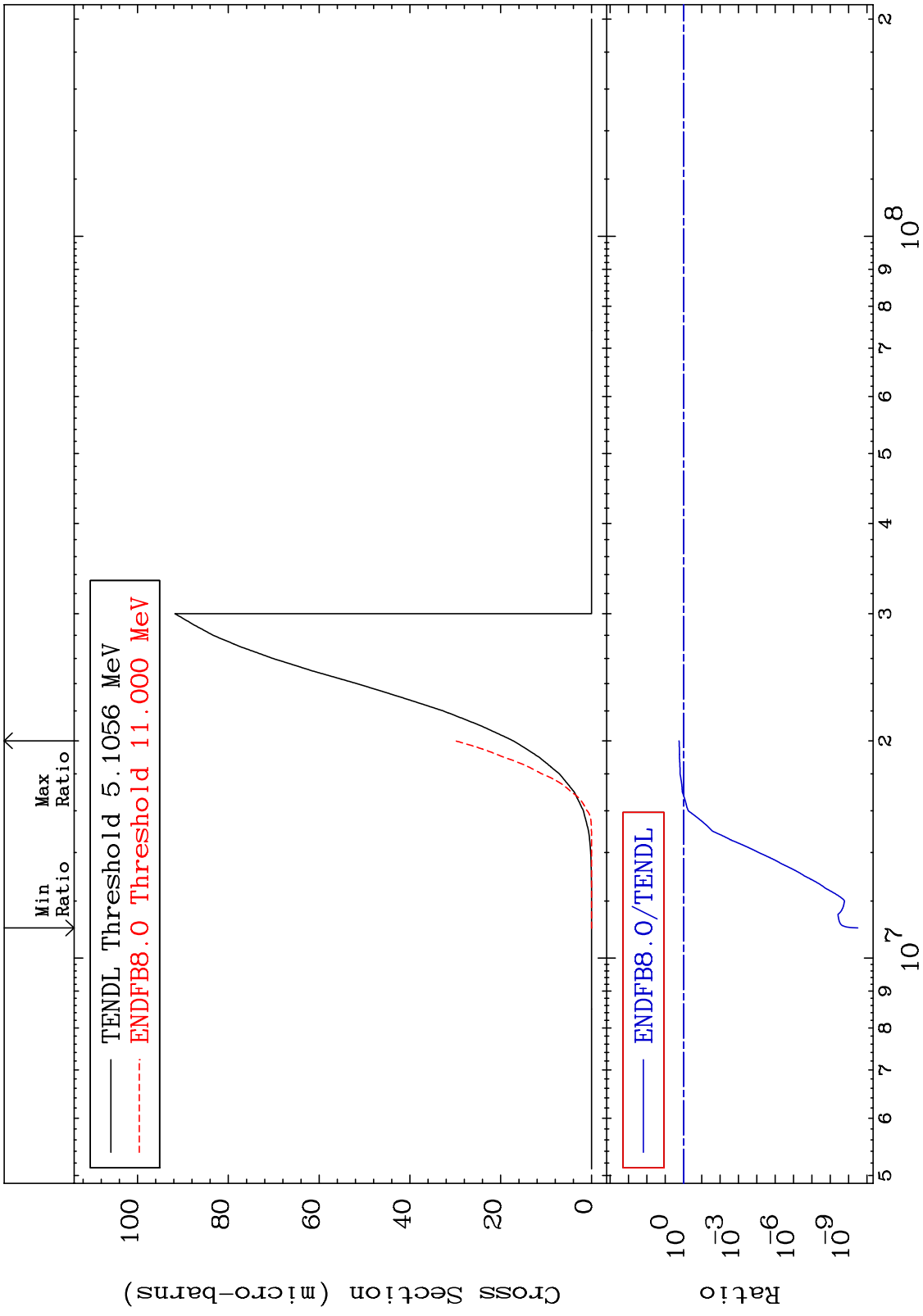
56-Ba-130

Cross Section

-100.0 To 1210. %



MAT 5625  $^{56}\text{Ba-130}$  (n,2p) Cross Section -100.0 To 74.34 %



23  $^{56}\text{Ba-130}$  Incident Energy (eV)

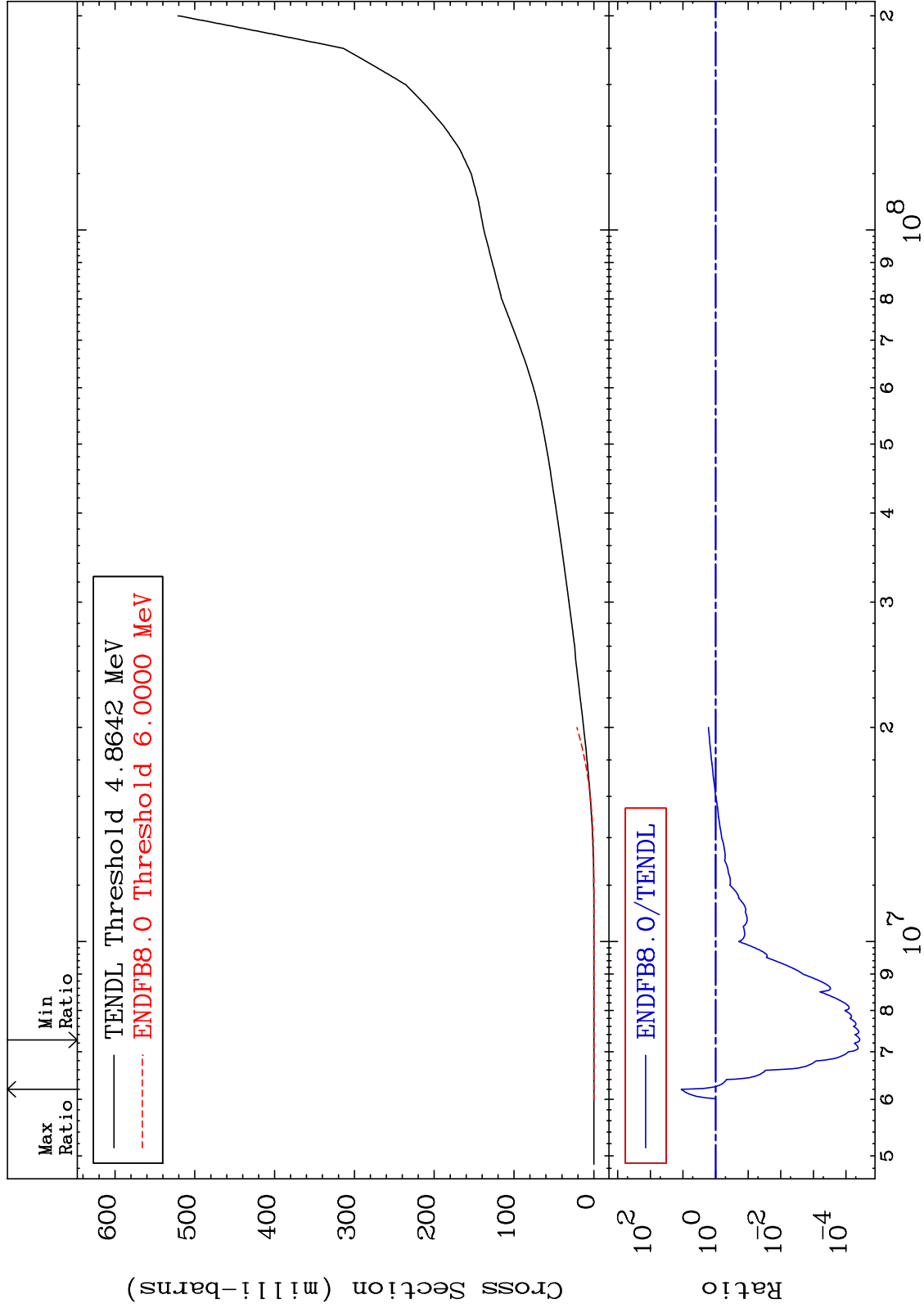




MAT 5625

Deuterium Production  
Cross Section

56-Ba-130  
-100.0 To 1027. %



25

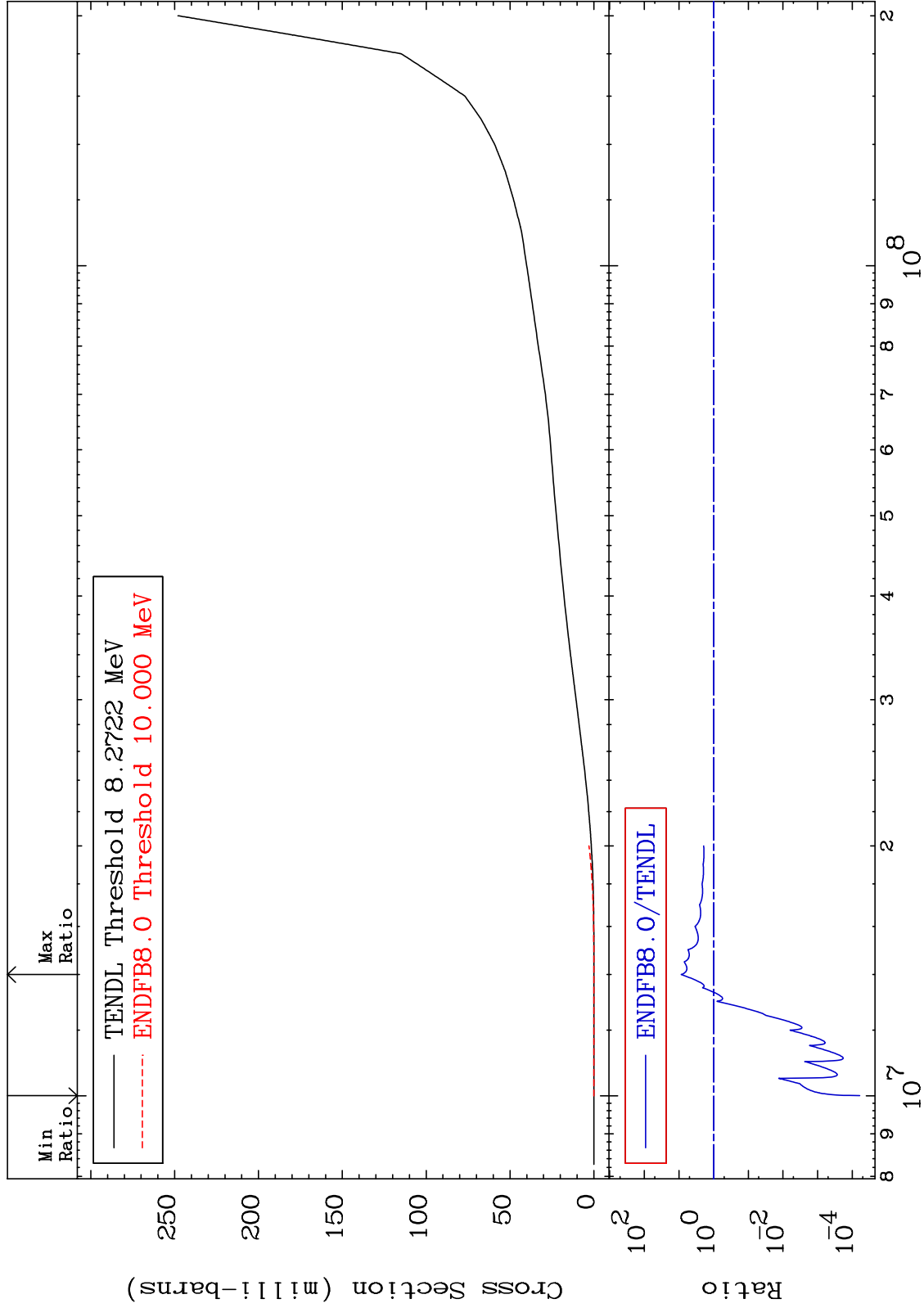
Incident Energy (eV)

56-Ba-130

MAT 5625

Tritium Production  
Cross Section

56-Ba-130  
-99.99 To 760.8 %



26

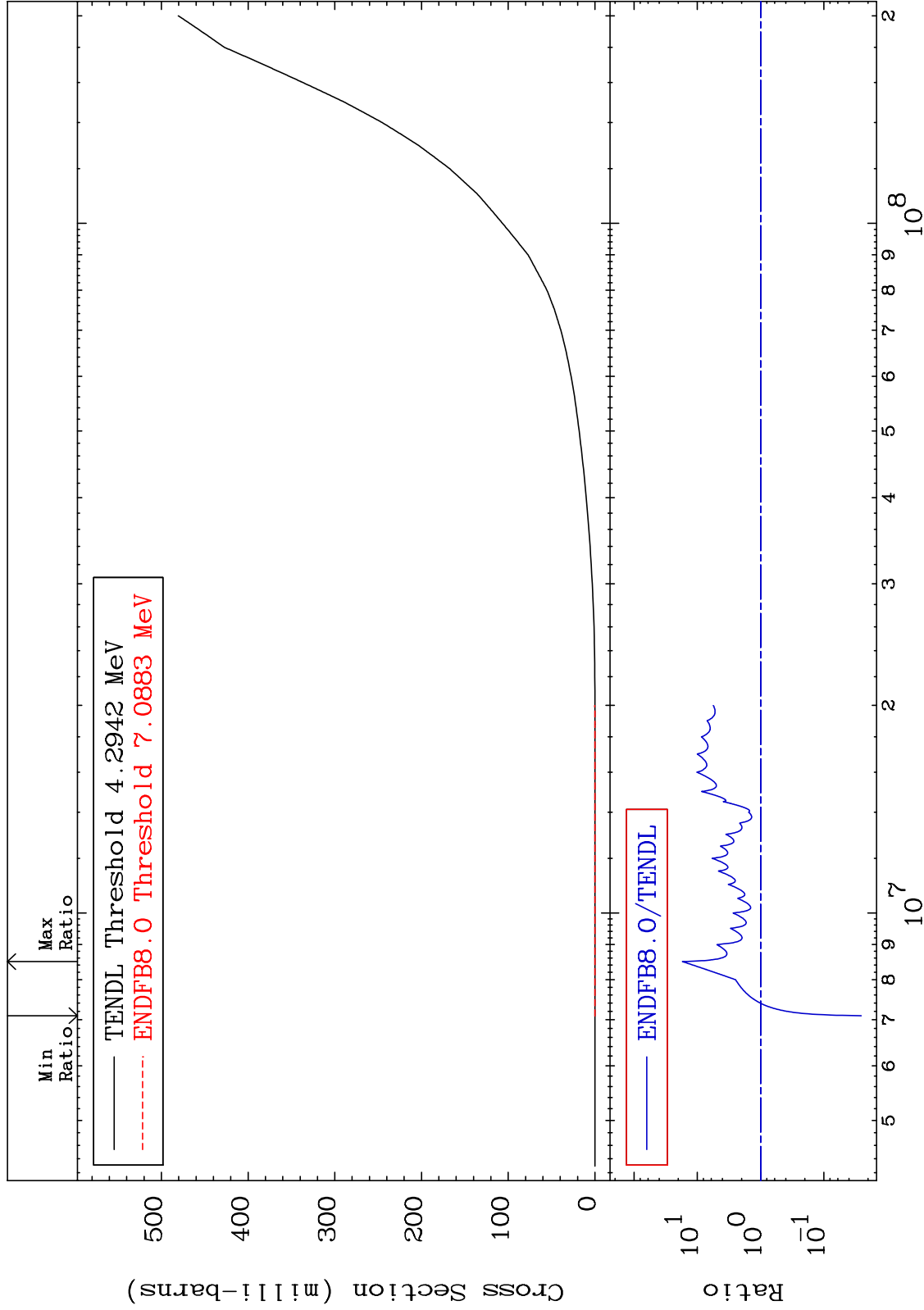
Incident Energy (eV)

56-Ba-130

MAT 5625

He-3 Production  
Cross Section

56-Ba-130  
-97.44 To 1615. %



27

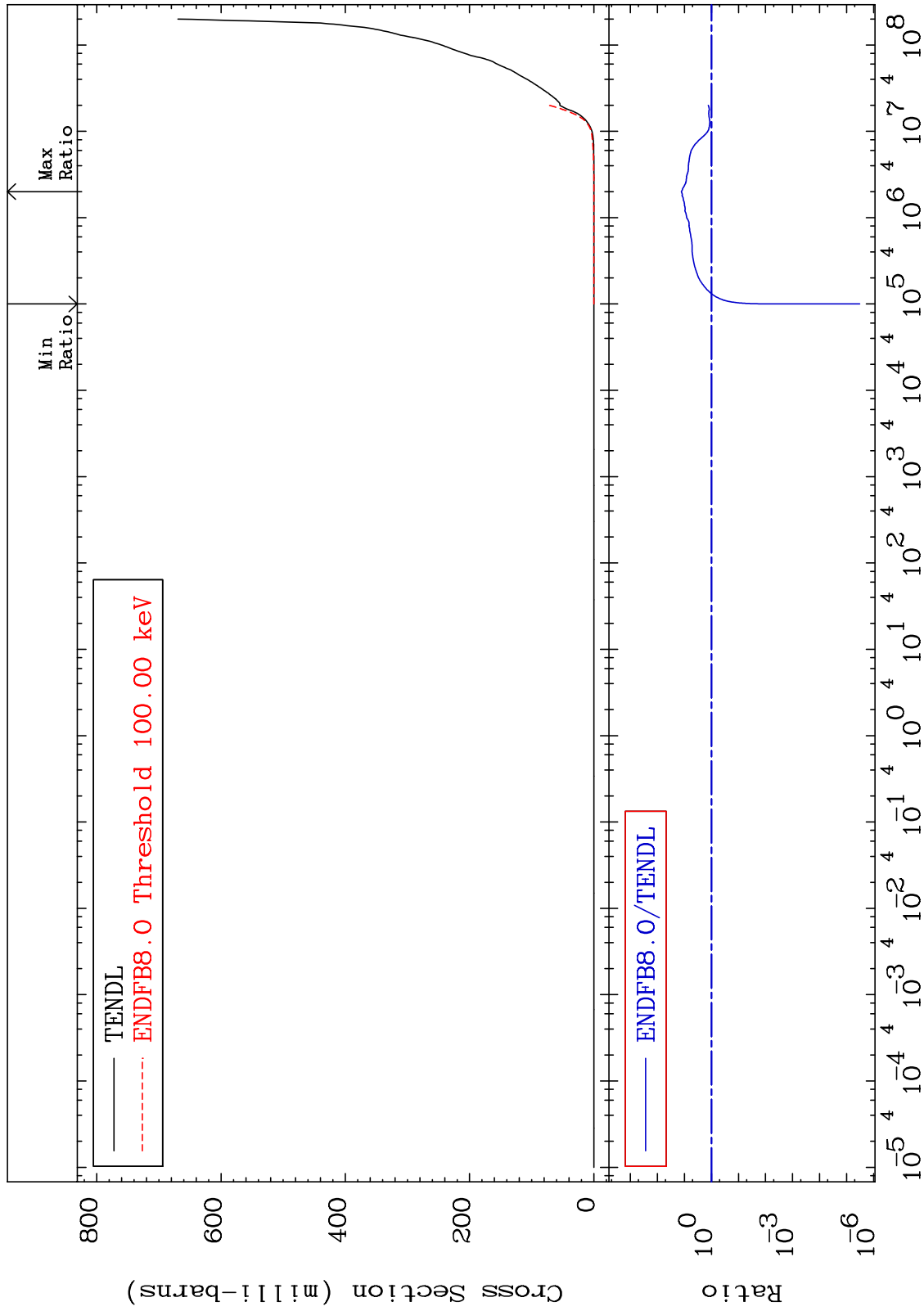
Incident Energy (eV)

56-Ba-130

MAT 5625

He-4 Production  
Cross Section

56-Ba-130  
-100.0 To 1210. %

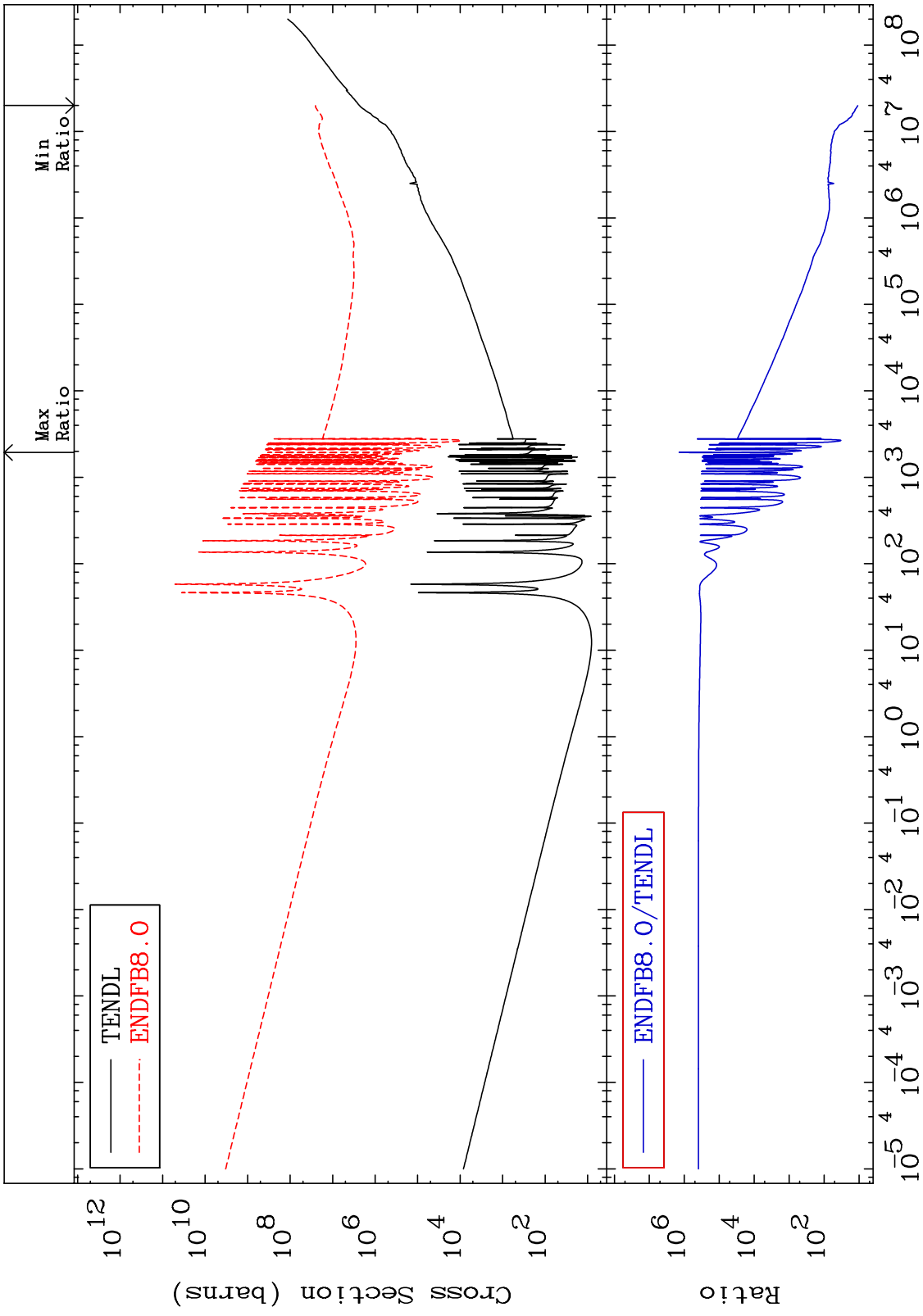


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Incident Energy (eV)

56-Ba-130

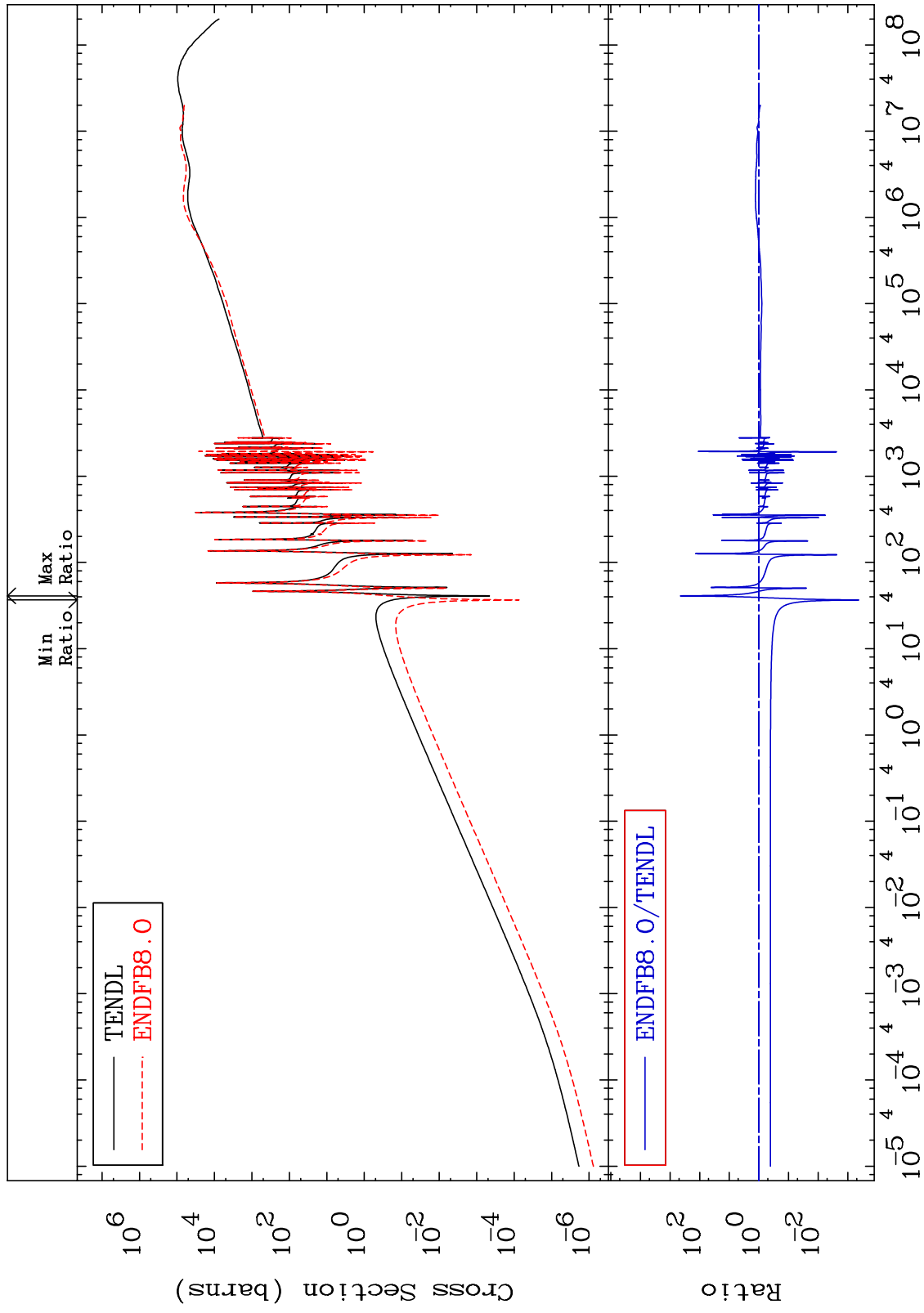
MAT 5625      Kerma total (eV-barns)  
 Cross Section      56-Ba-130      986.4      To 9999. %



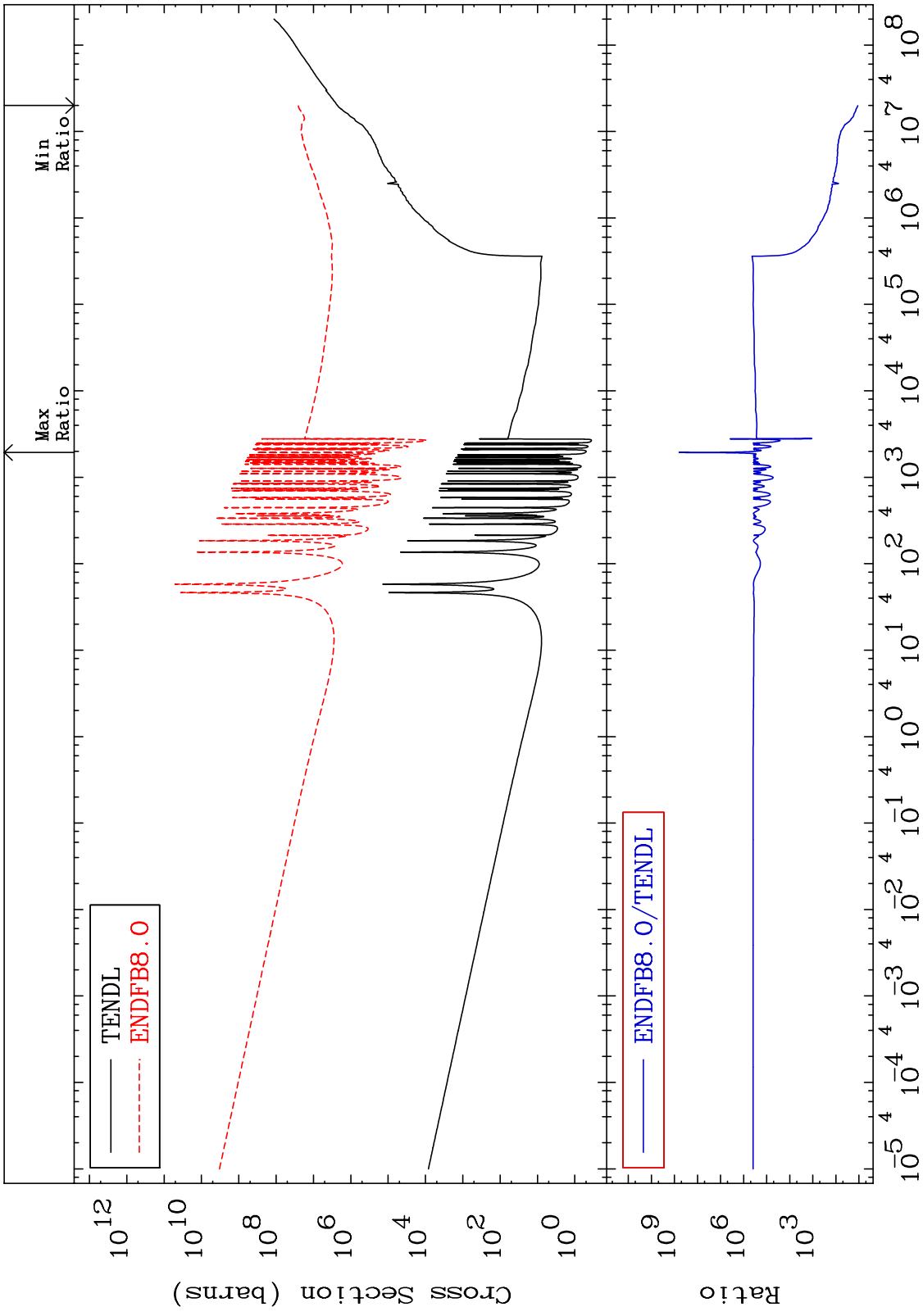
MAT 5625

Kerma elastic  
Cross Section

56-Ba-130  
-99.96 To 9999. %

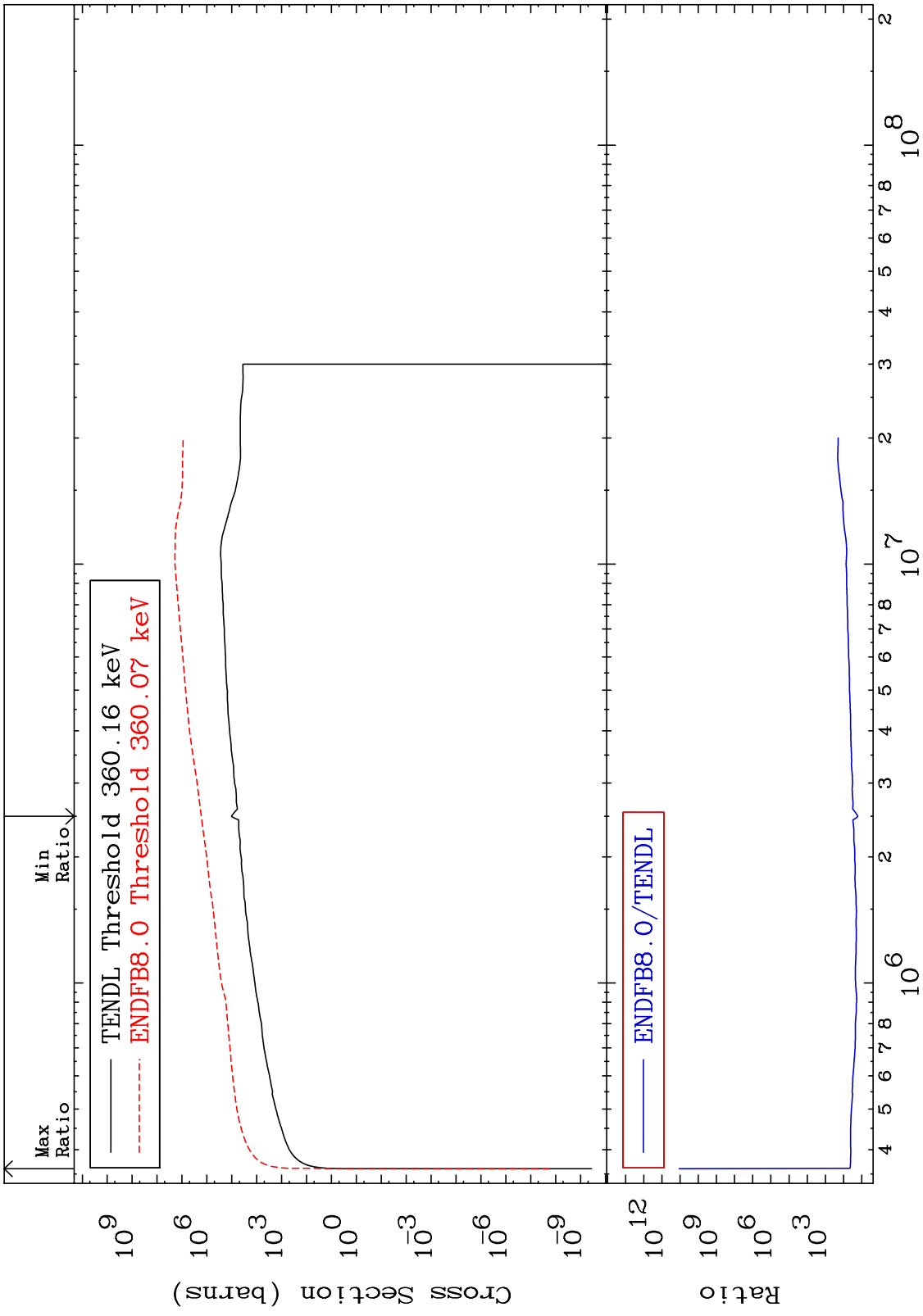


MAT 5625      Kerma non-elastic (all but mt2)      56-Ba-130  
 Cross Section      1018.    To 9999. %

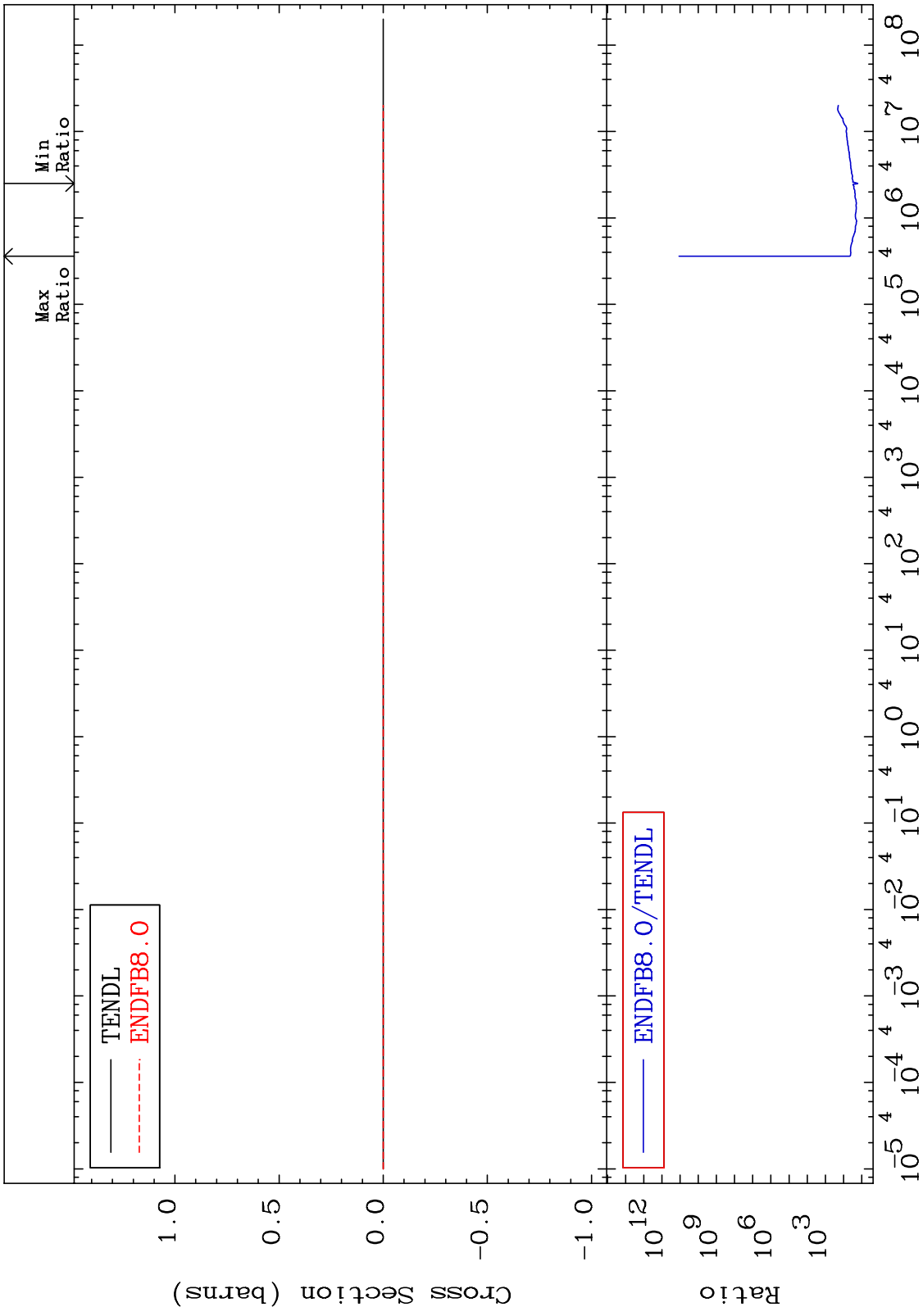


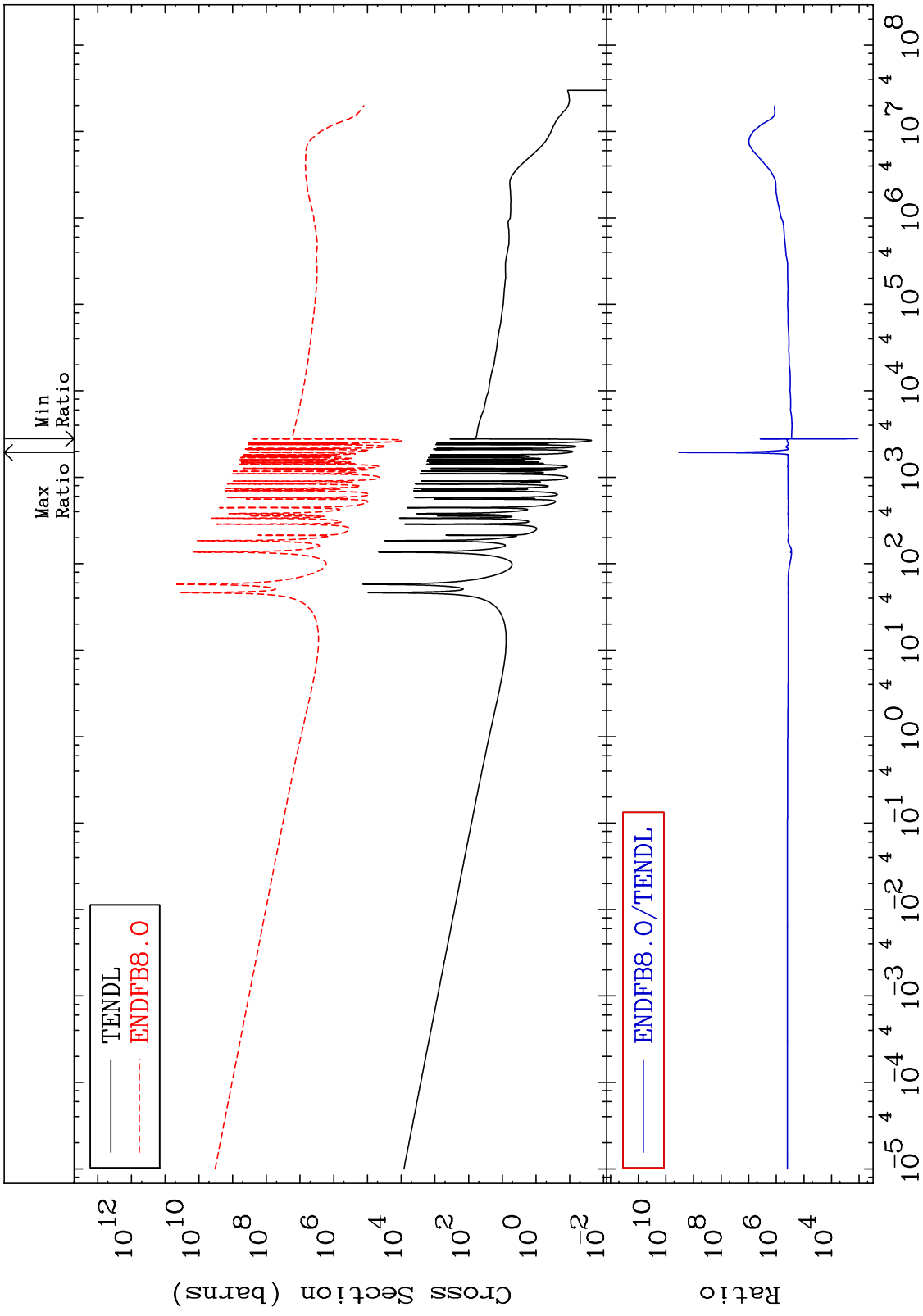


MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130  
 Cross Section 1534. To 9999. %



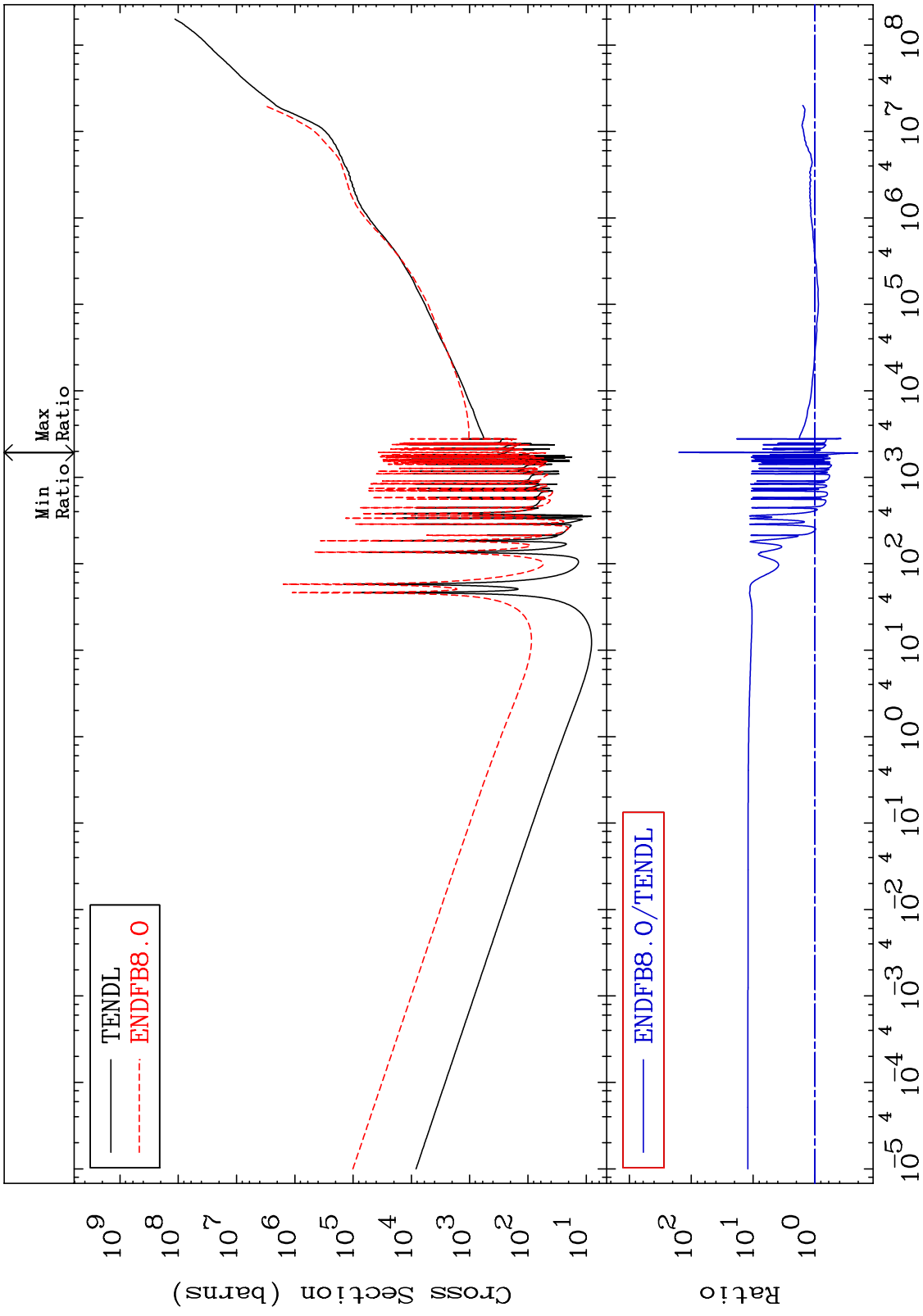
MAT 5625      Kerma fission (mt18 or mt19-20-21-38)      56-Ba-130  
 Cross Section      1534.    To 9999. %



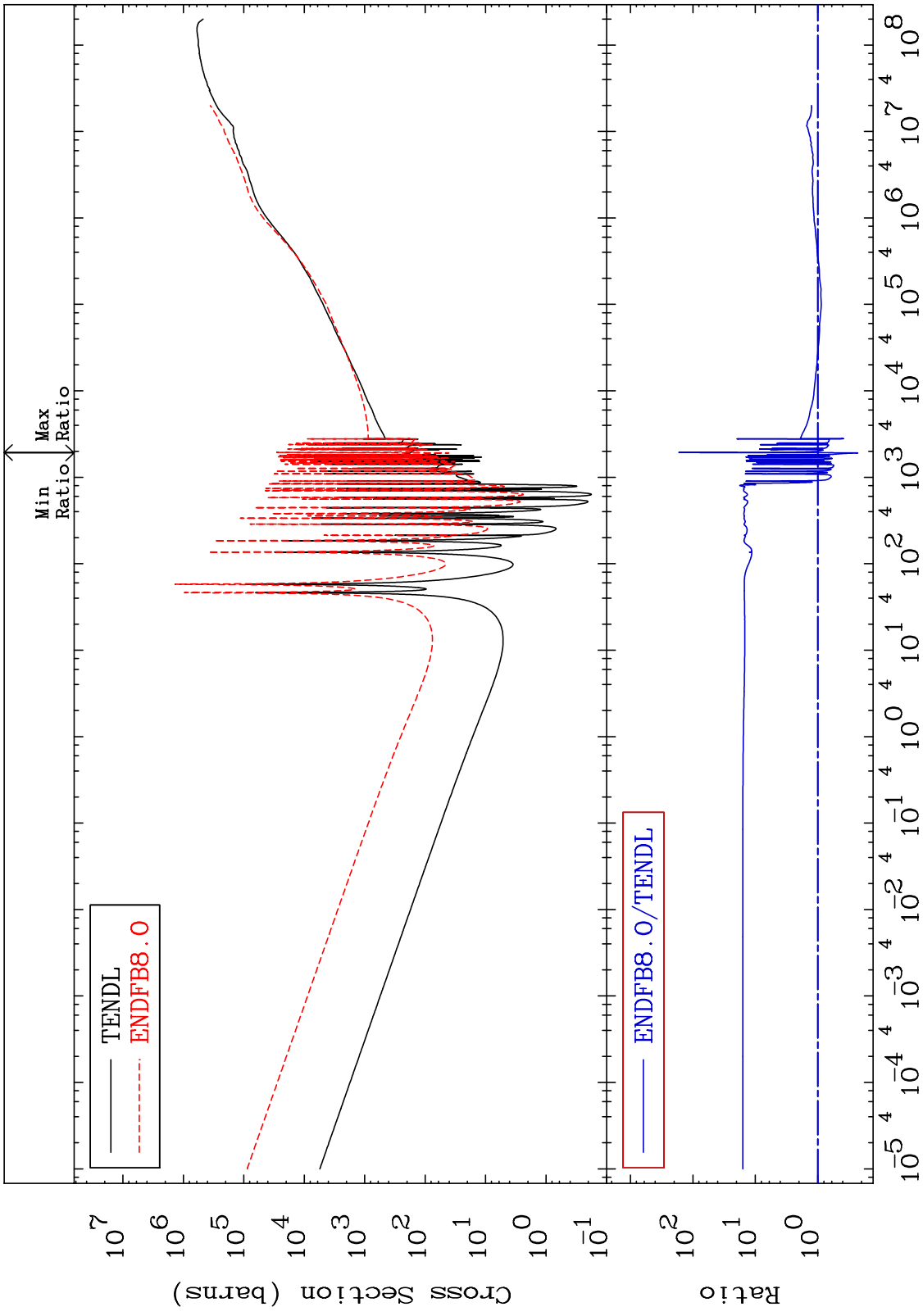




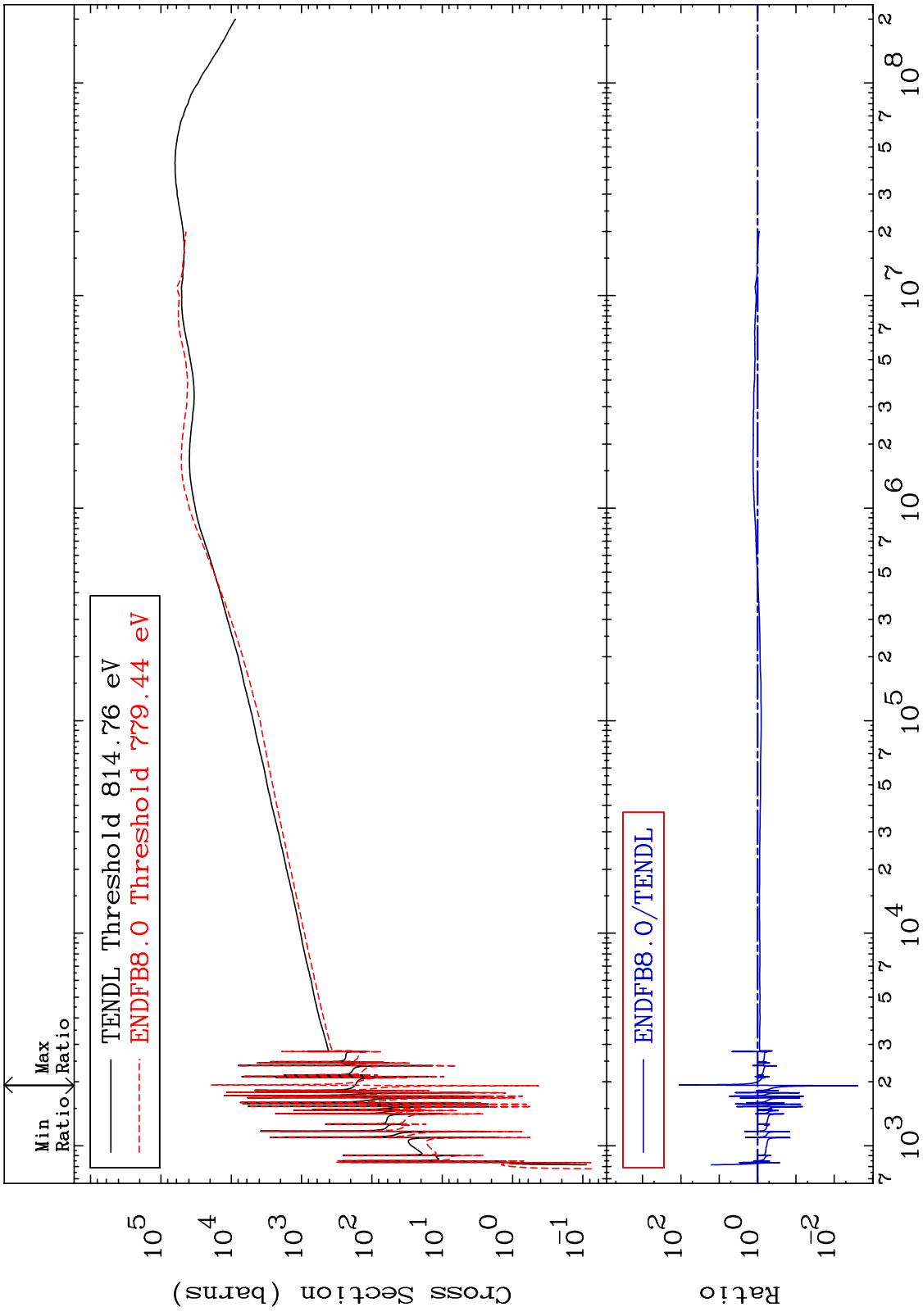
MAT 5625      Total kinematic kerma (high limit)      56-Ba-130  
 Cross Section      -79.74 To 9999. %



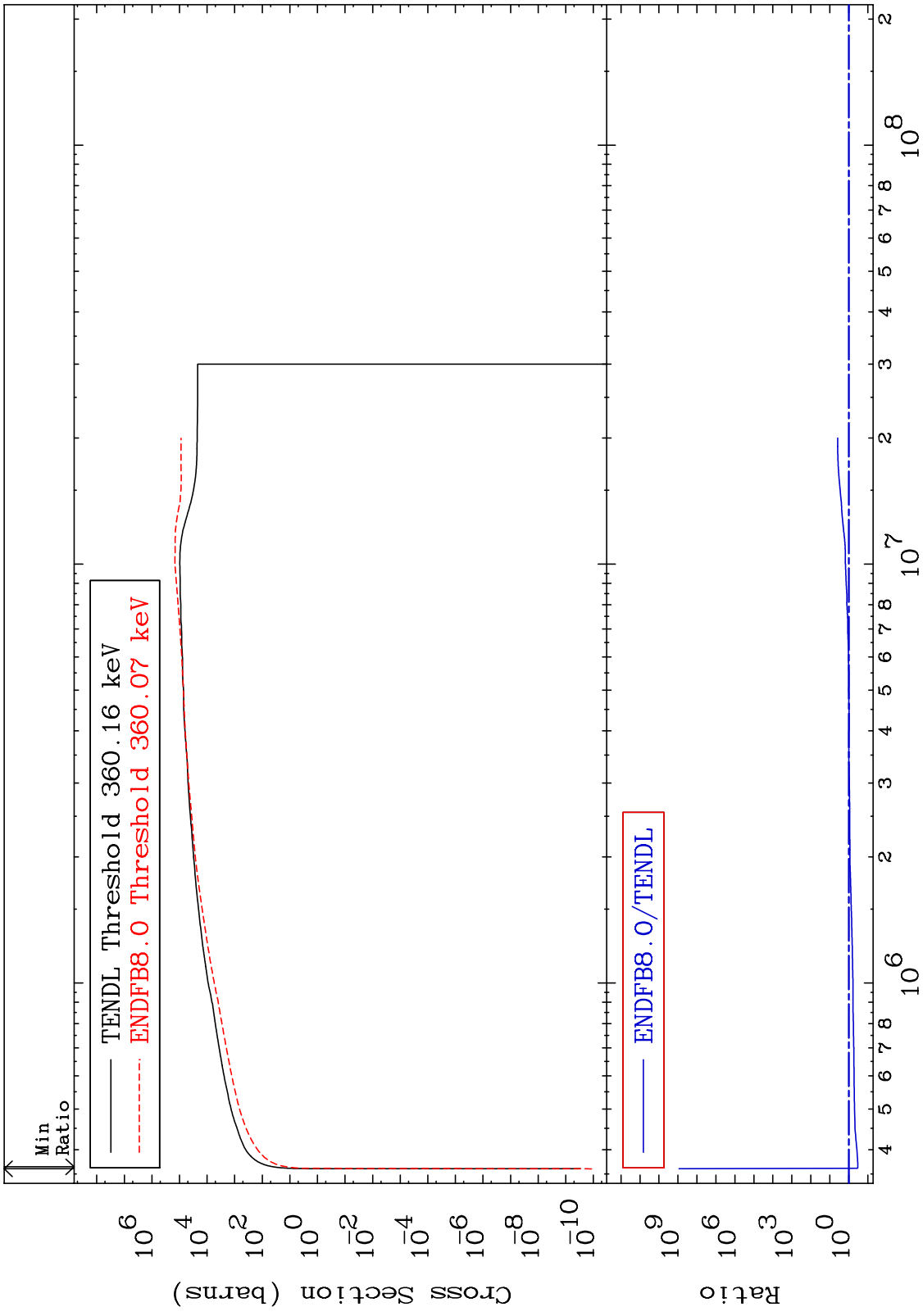
MAT 5625      Dpa total (eV-barns)      56-Ba-130  
 Cross Section      -77.09 To 9999. %



MAT 5625      Dpa elastic (mt2)      56-Ba-130  
 Cross Section      -99.76 To 9999. %



MAT 5625      Dpa inelastic (mt51-91)      56-Ba-130  
 Cross Section      -66.69 To 9999. %

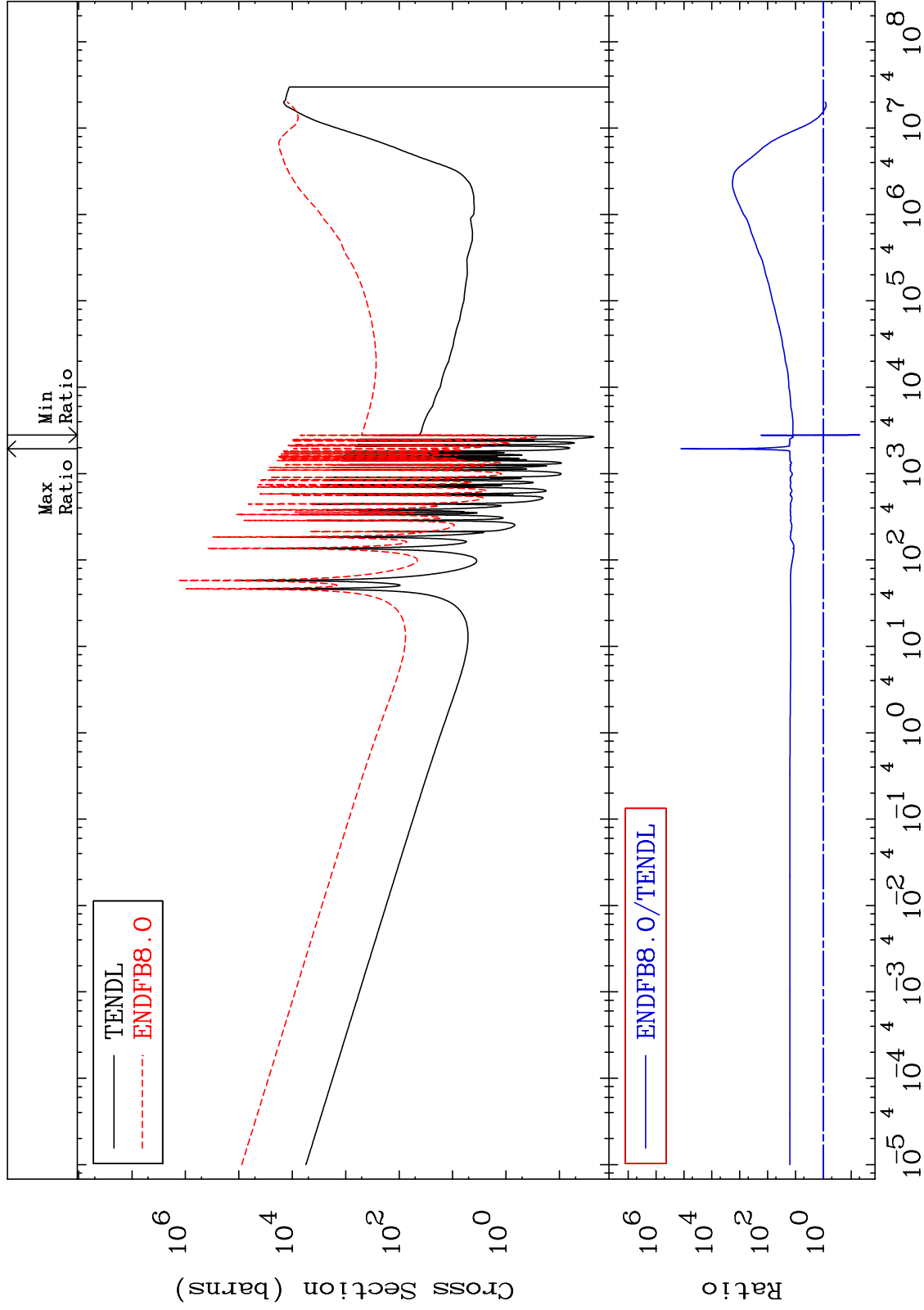




MAT 5625

Dpa disappearance (mt102 -120)  
Cross Section

56-Ba-130  
-95.07 To 9999. %



40

Incident Energy (eV)

56-Ba-130