

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

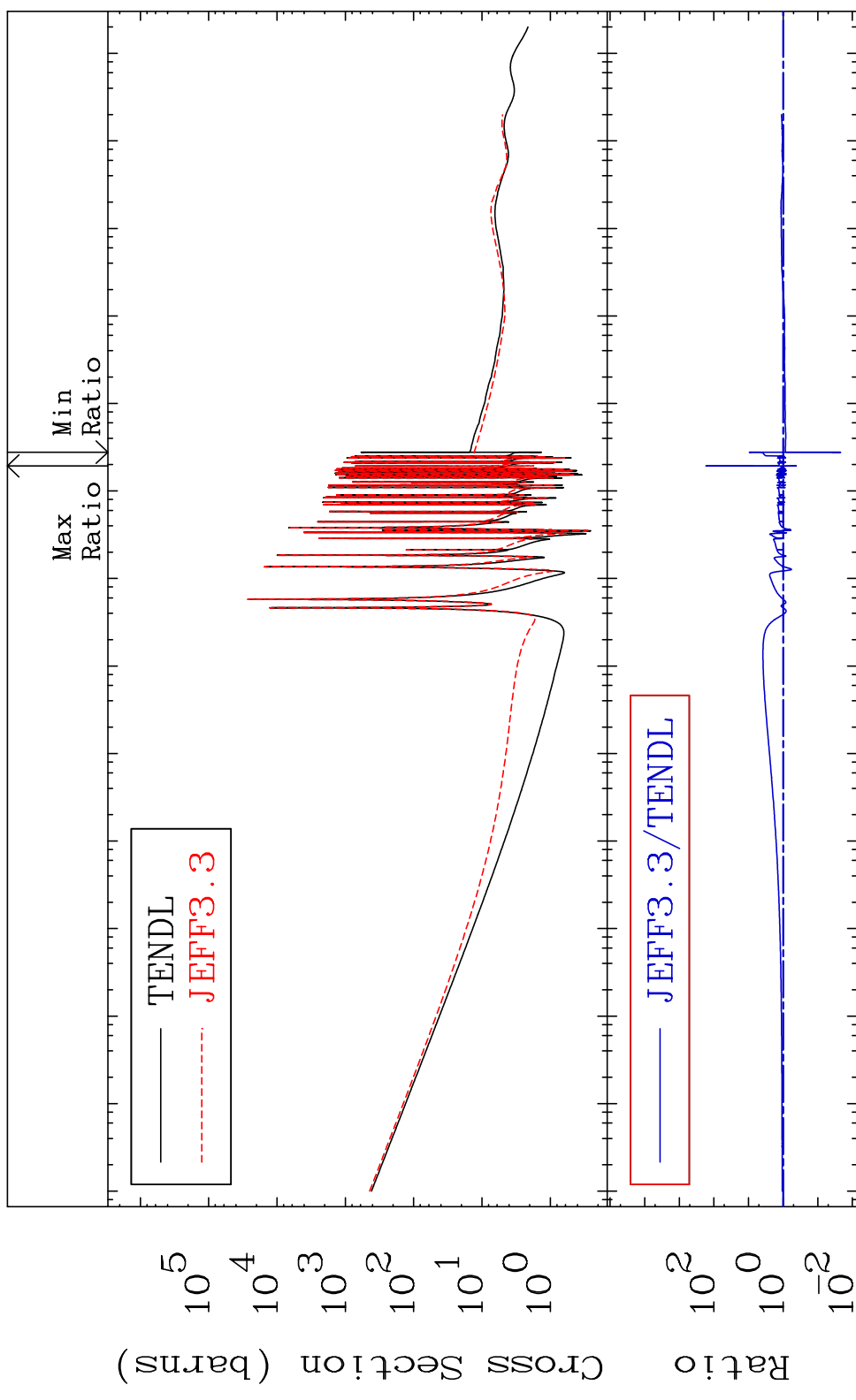
MAT 5625

Total

56-Ba-130

Cross Section

-97.79 To 9999. %



1

Incident Energy (eV)

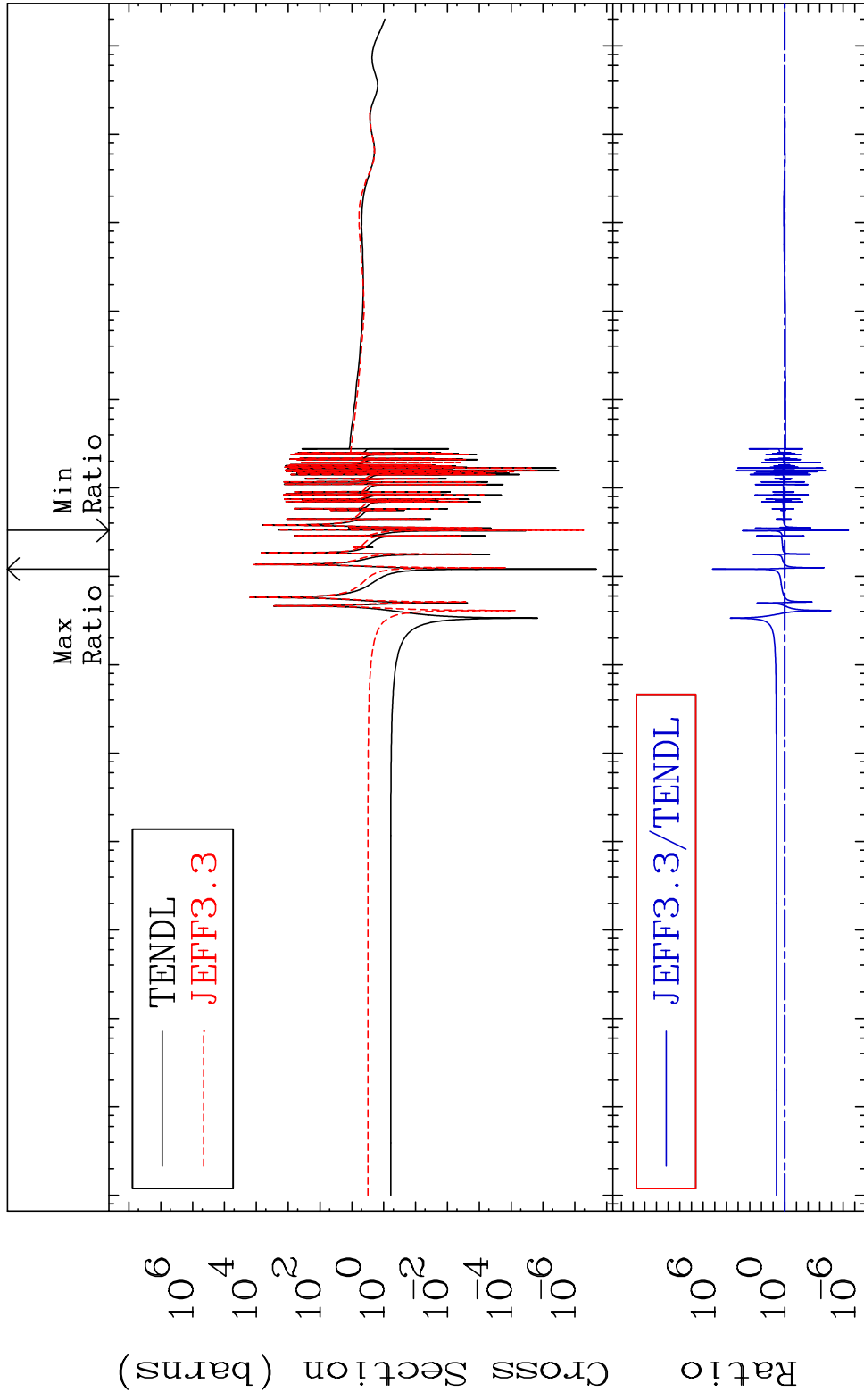
56-Ba-130

MAT 5625

Elastic

56-Ba-130

Cross Section -100.0 To 9999. %

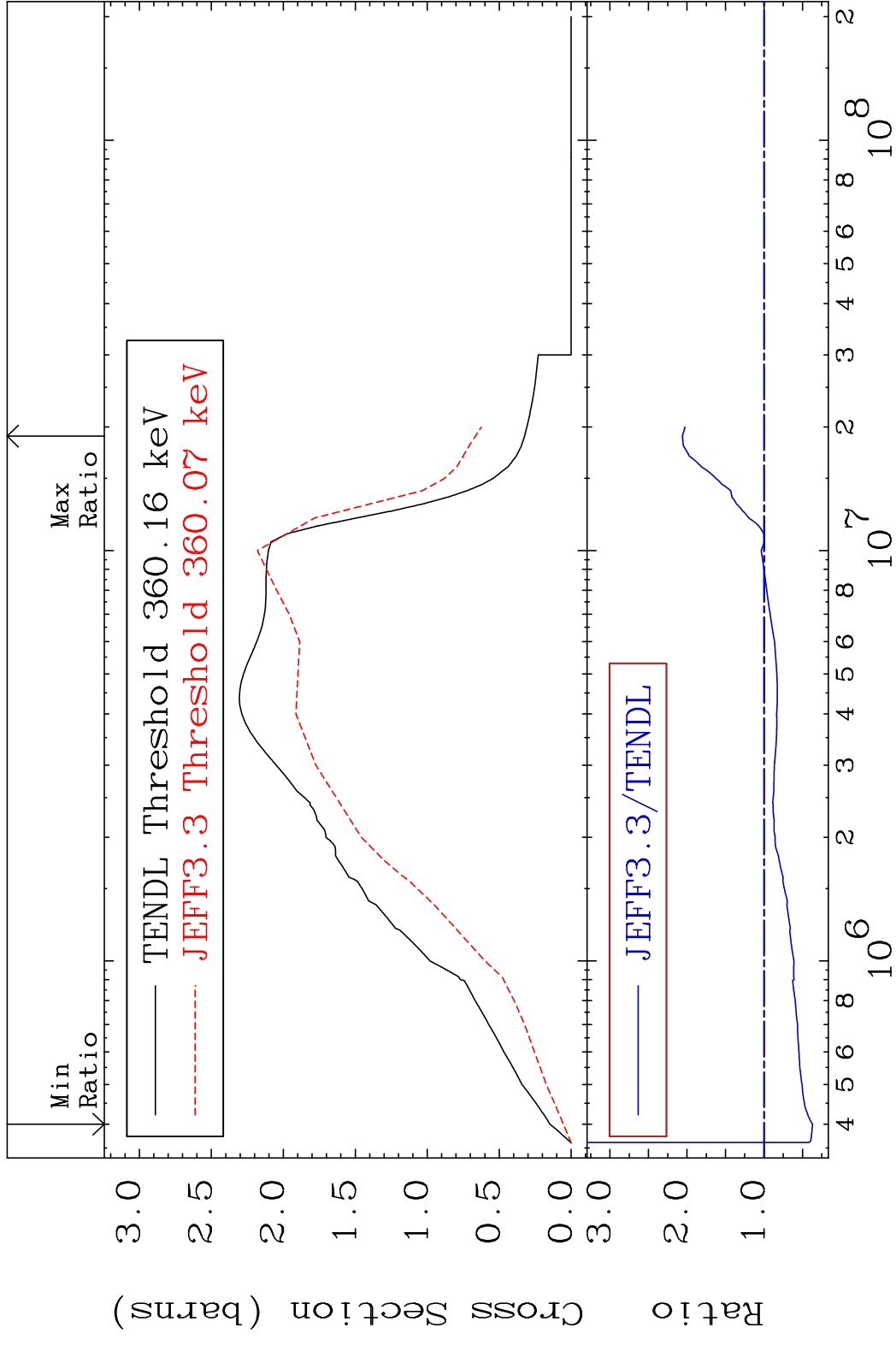


2

Incident Energy (eV)

56-Ba-130

MAT 5625 Inelastic 56-Ba-130  
 Cross Section -63.04 To 106.0 %



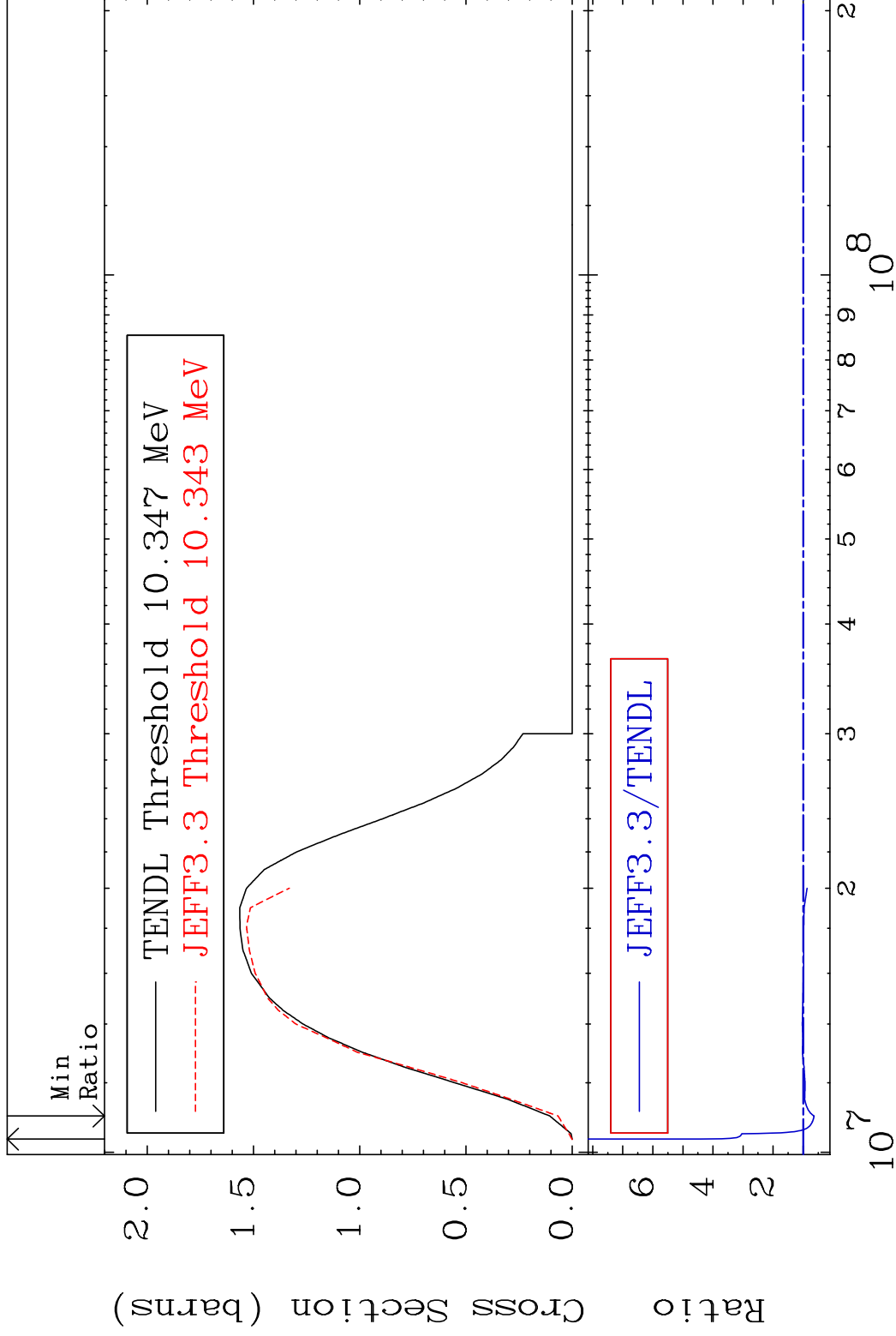
3 Incident Energy (eV) 56-Ba-130

MAT 5625

(n,2n)

56-Ba-130

Cross Section -36.48 To 397.5 %



4

Incident Energy (eV)

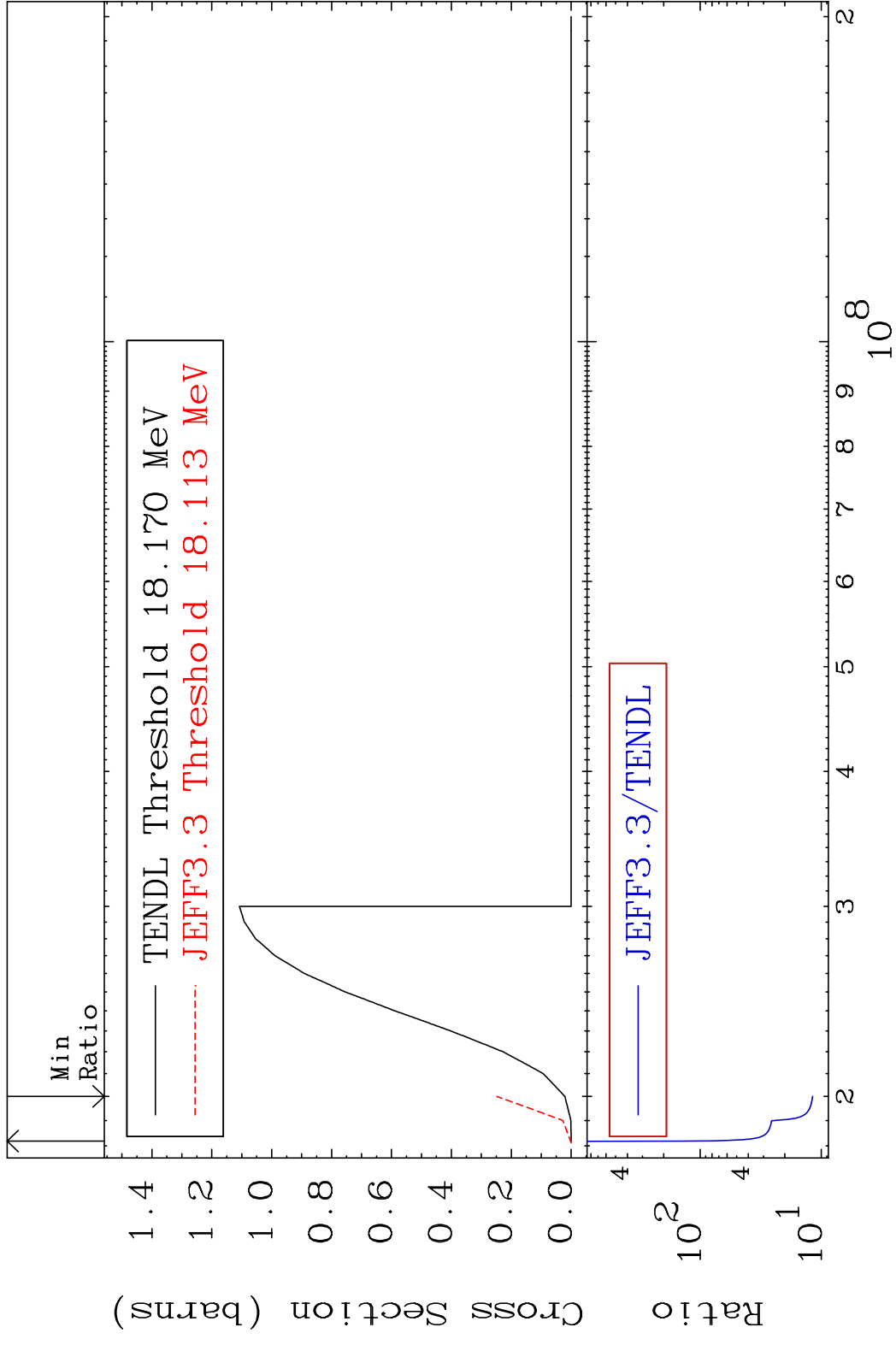
56-Ba-130

MAT 5625

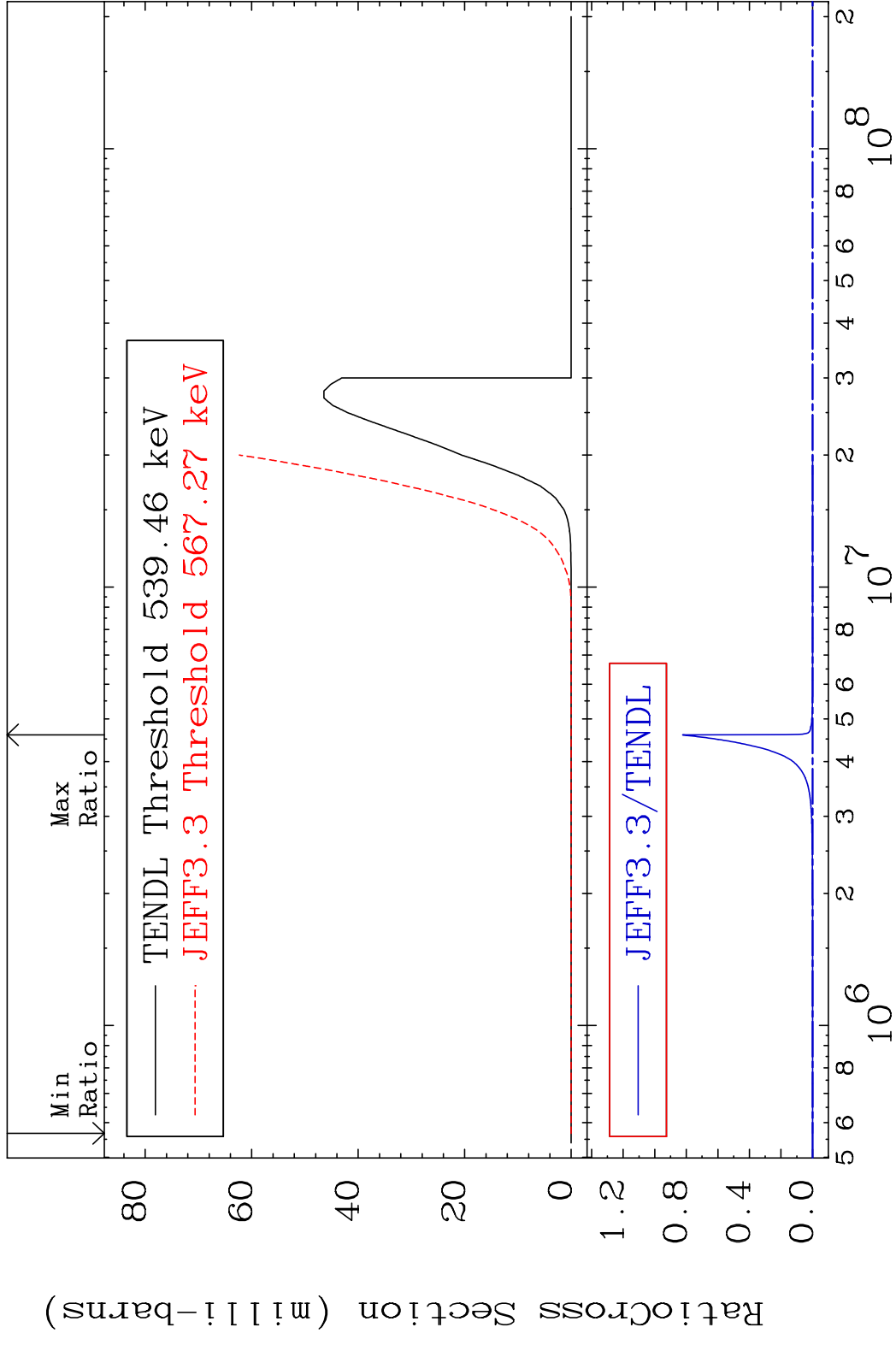
(n,3n)

56-Ba-130

Cross Section 1079. To 9999. %



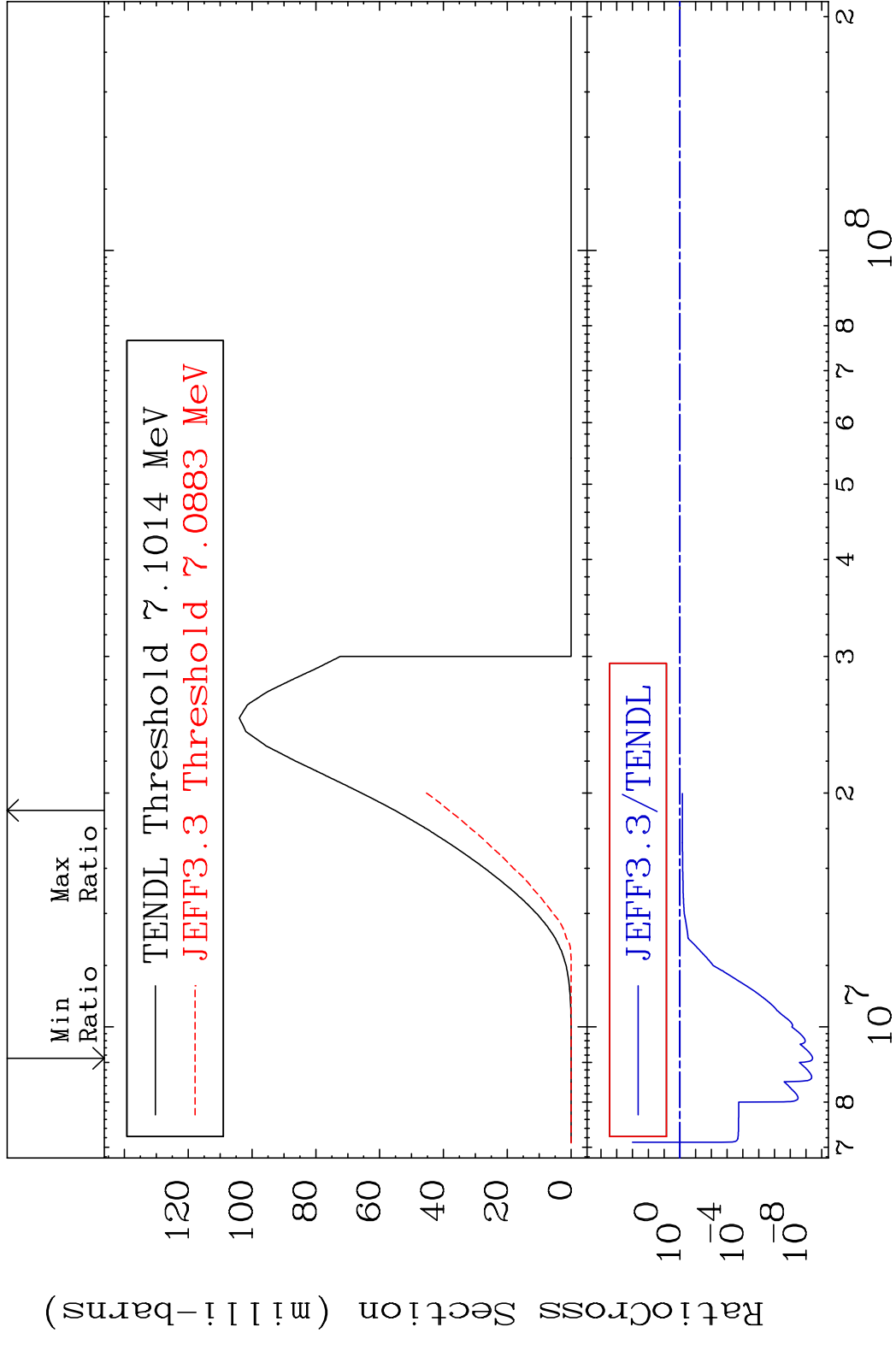
MAT 5625 (n, n')  $\alpha$  56-Ba-130  
 Cross Section -100.0 To 9999. %



MAT 5625

(n, n') p 56-Ba-130

Cross Section -100.0 To -30.57%



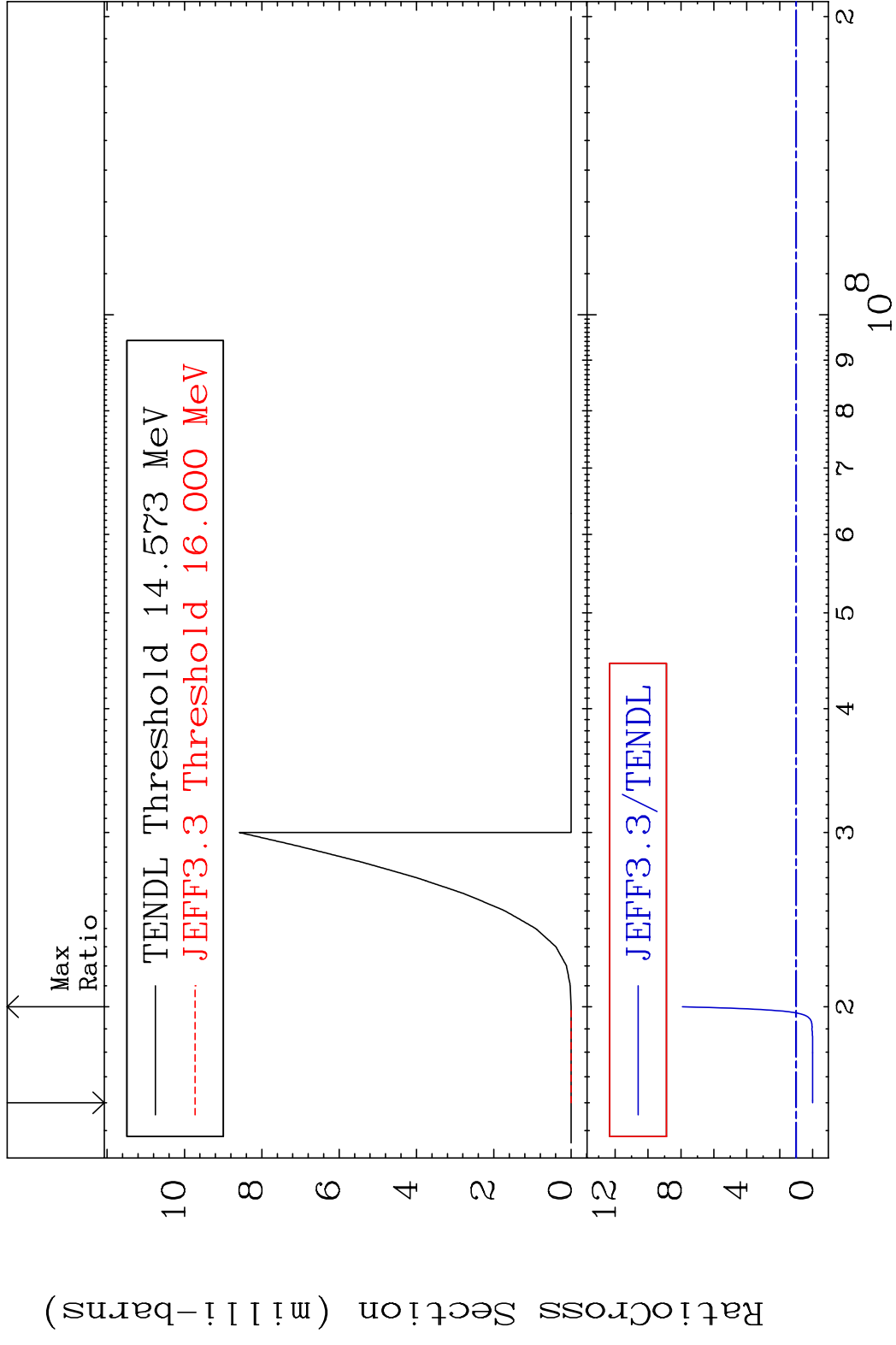
7

Incident Energy (eV)

56-Ba-130

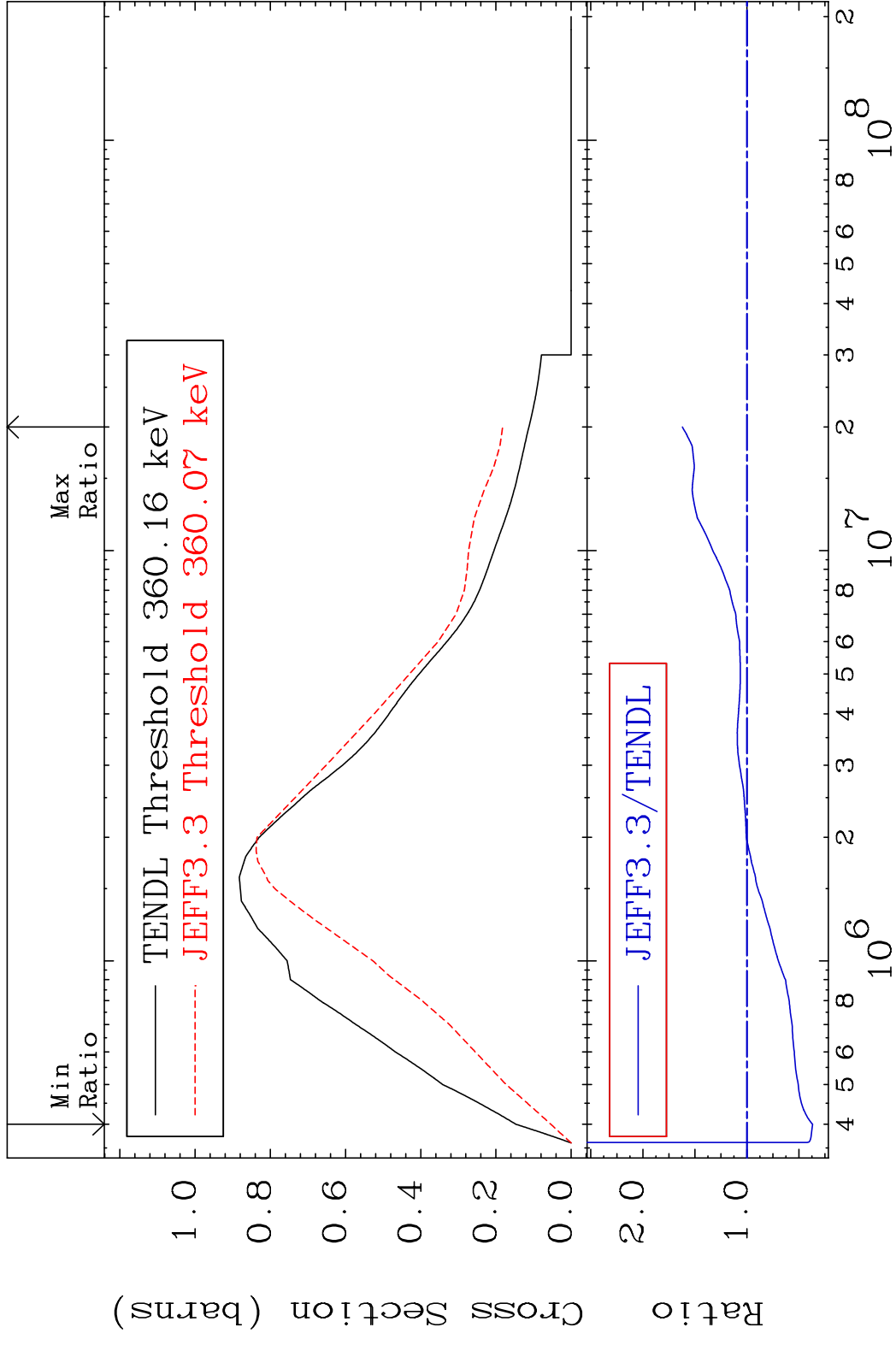


MAT 5625 (n, n') d 56-Ba-130  
 Cross Section -100.0 To 691.5 %

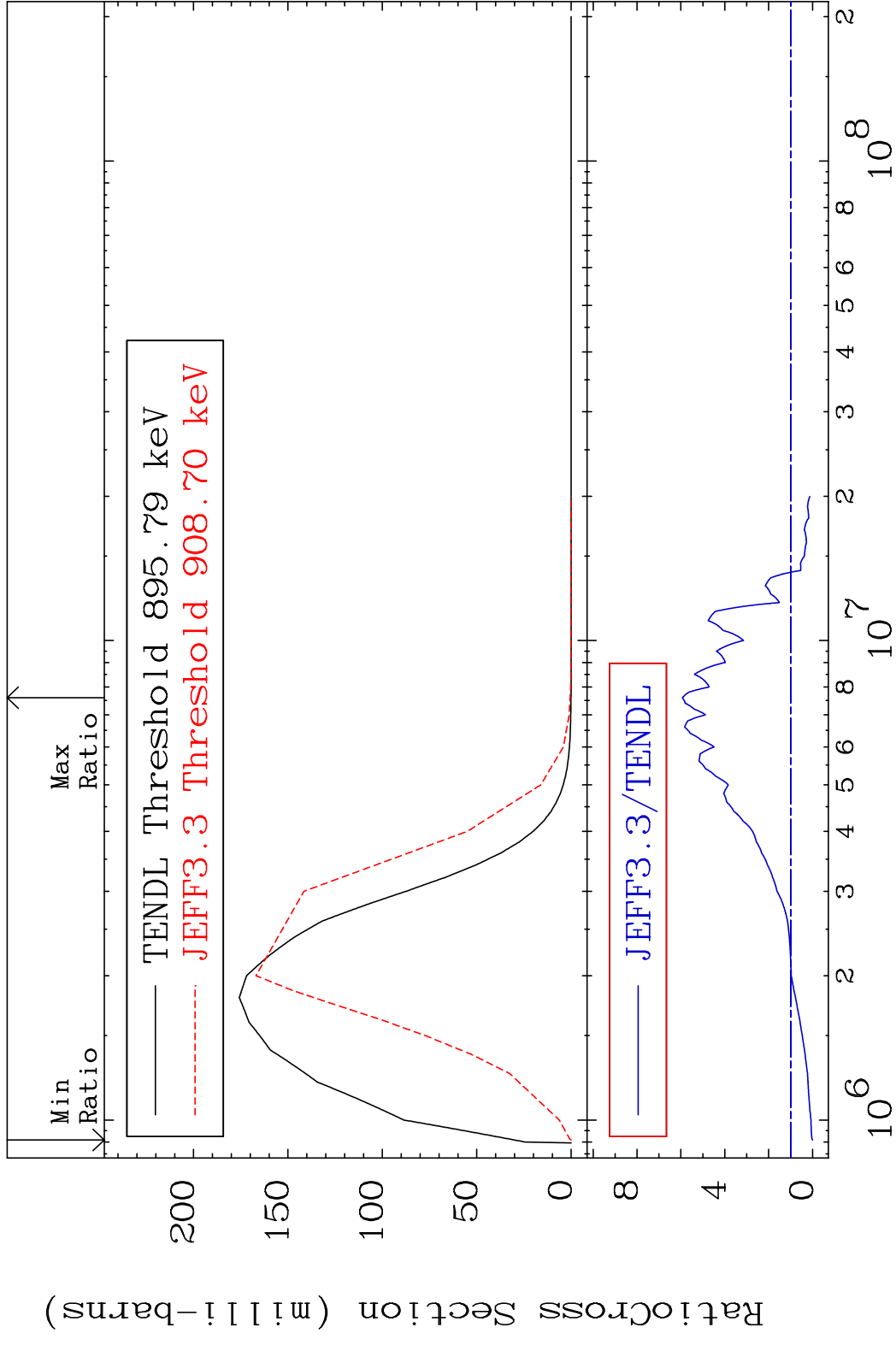


8 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 51 (n, n') Level 56-Ba-130  
 Cross Section -63.04 To 62.05 %

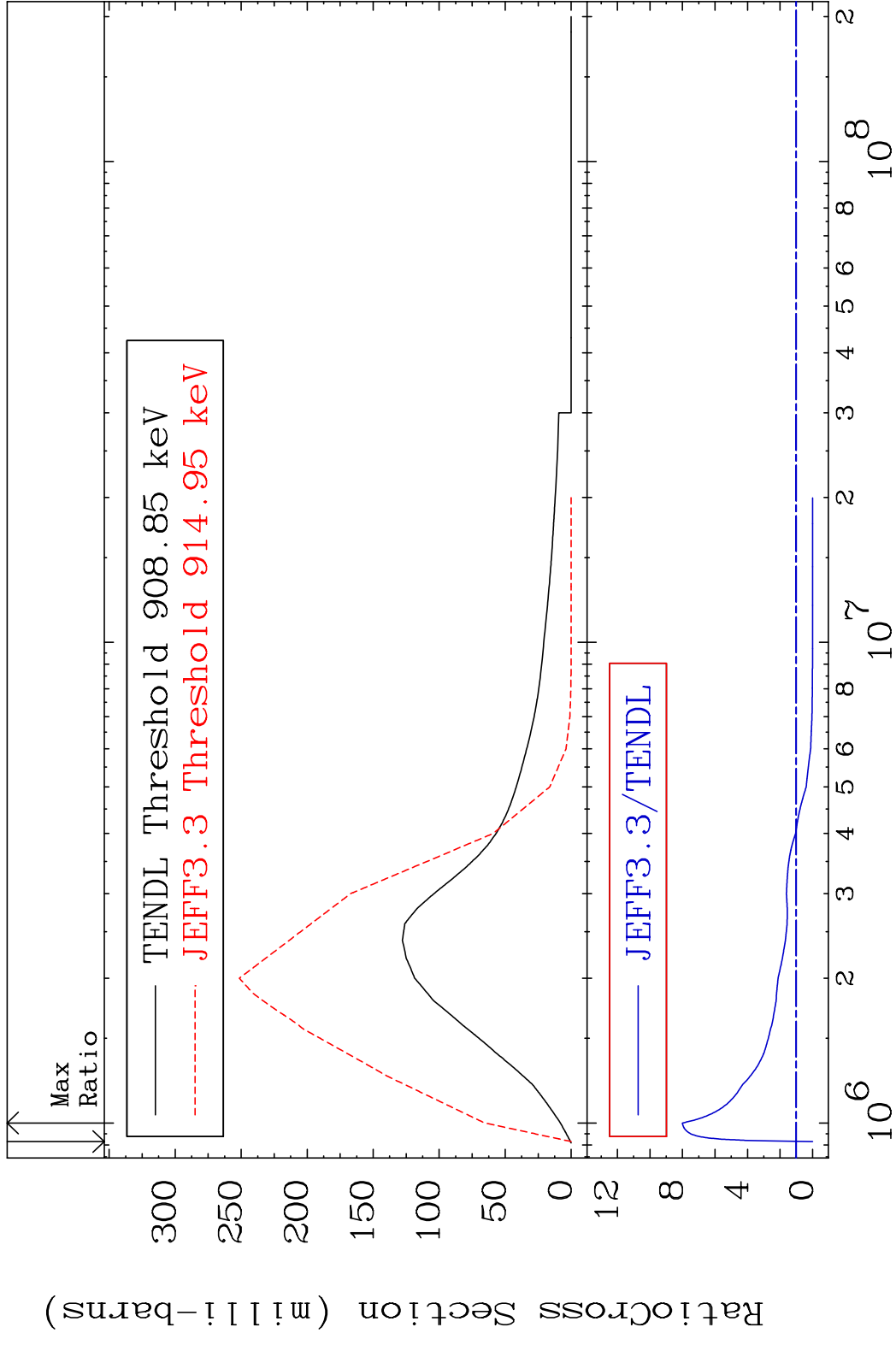


MAT 5625 MT= 52 (n, n') Level 56-Ba-130  
 Cross Section -100.0 To 493.4 %



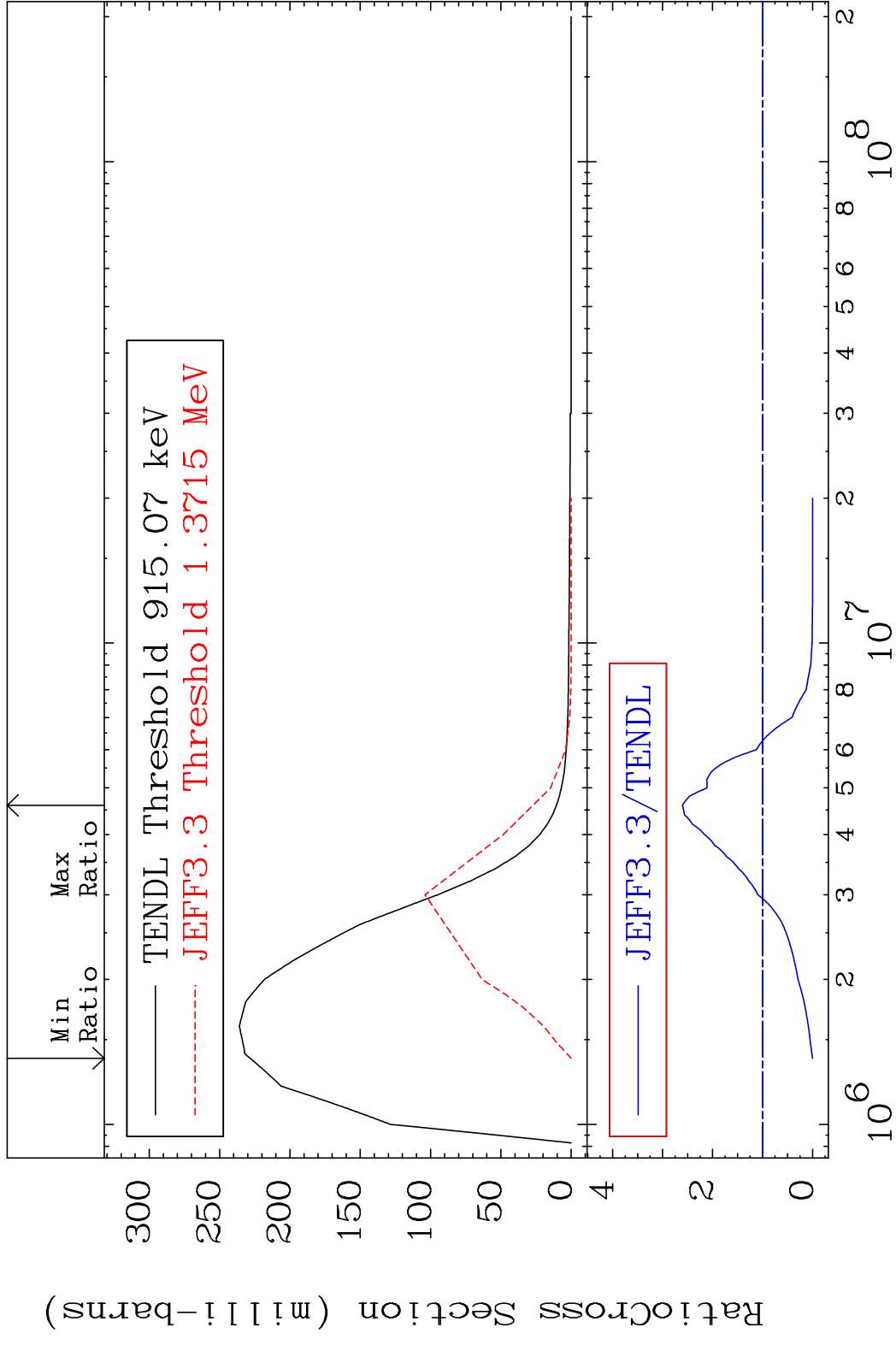
10 8 6 4 2 2 3 4 5 6 8 10<sup>8</sup> 56-Ba-130

MAT 5625 MT= 53 (n, n') Level 56-Ba-130  
 Cross Section -100.0 To 700.7 %



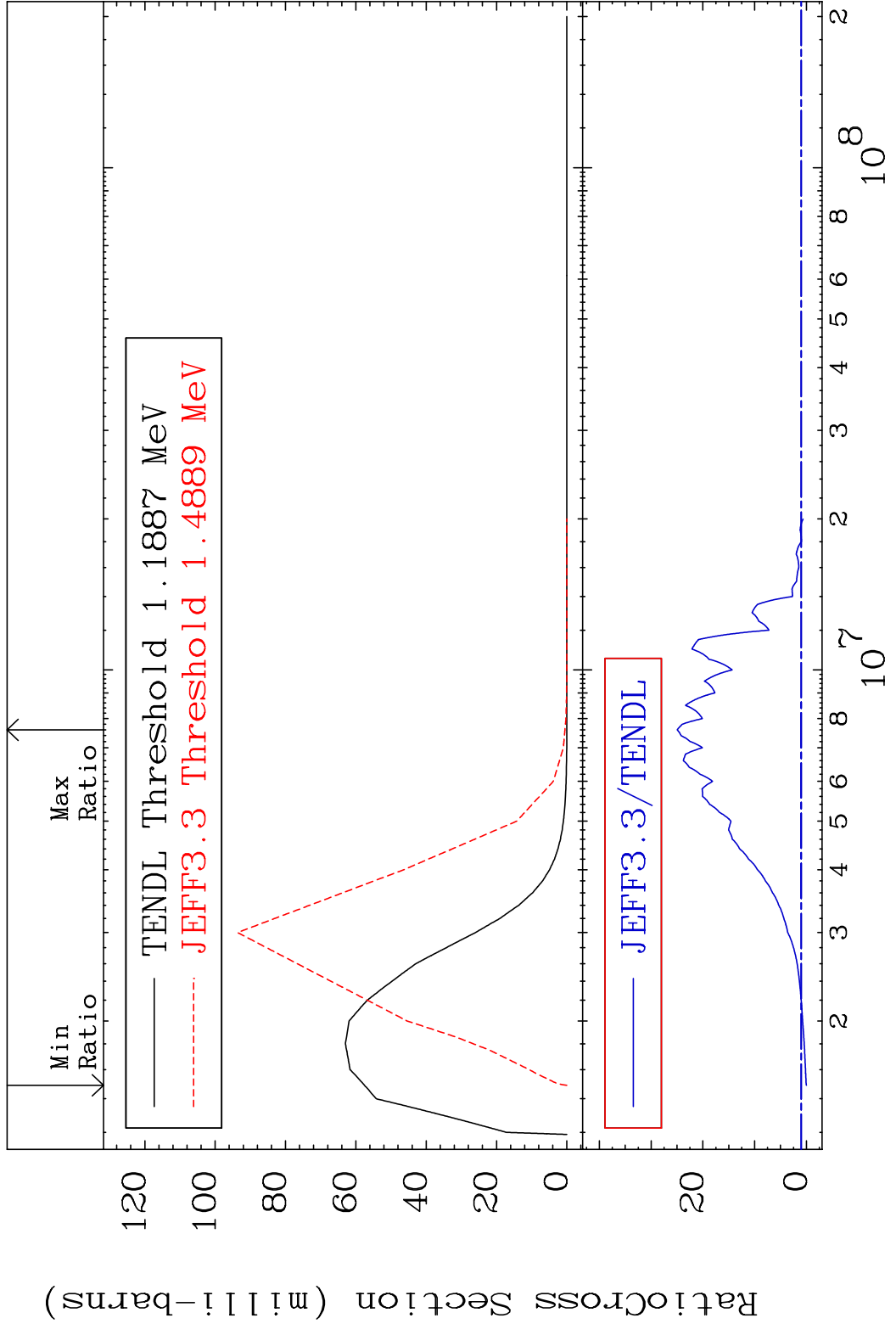
11 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 54 (n,n') Level 56-Ba-130  
 Cross Section -100.0 To 160.5 %

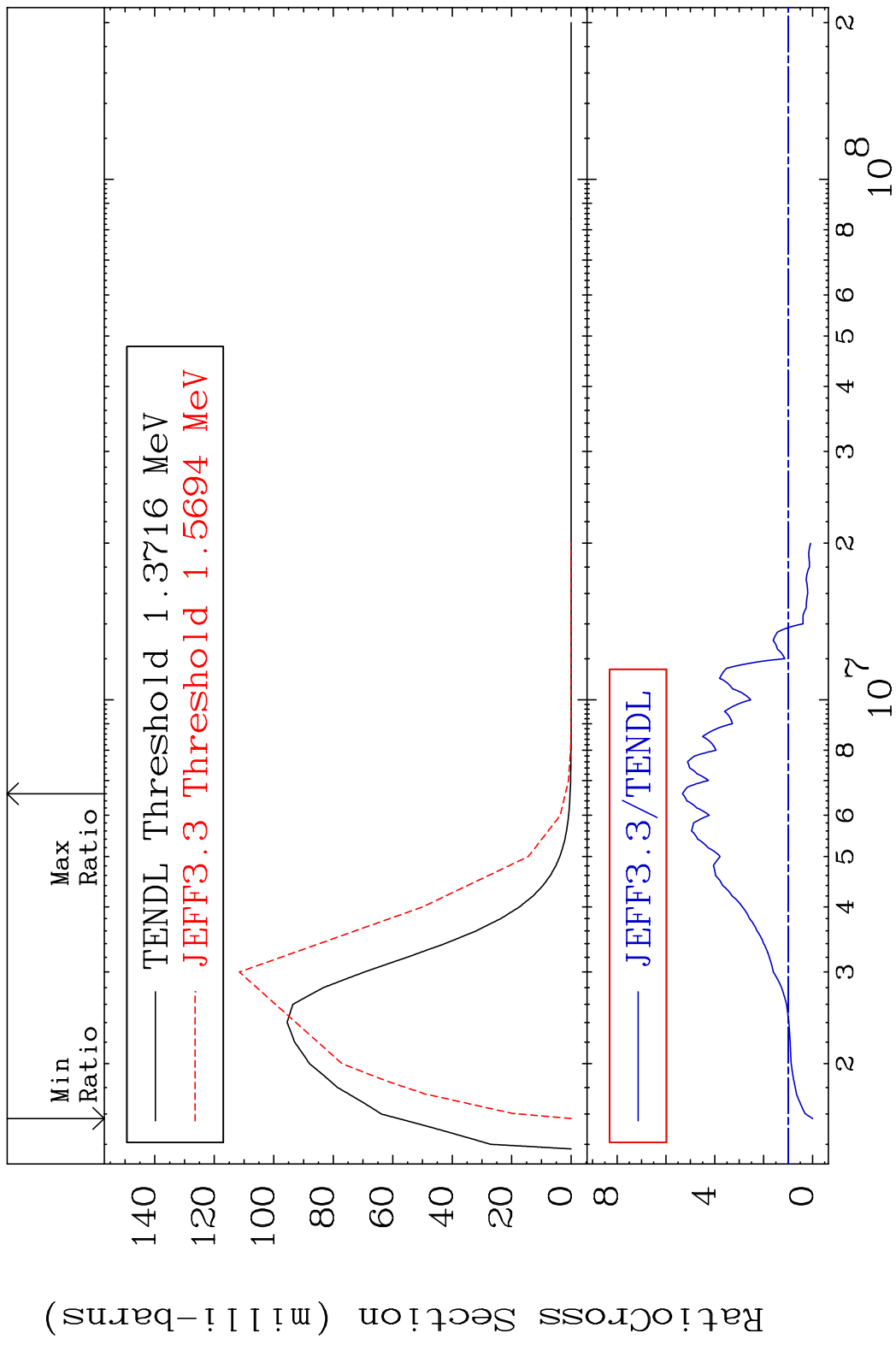


12 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 55 (n,n') Level 56-Ba-130  
 Cross Section -100.0 To 2397. %

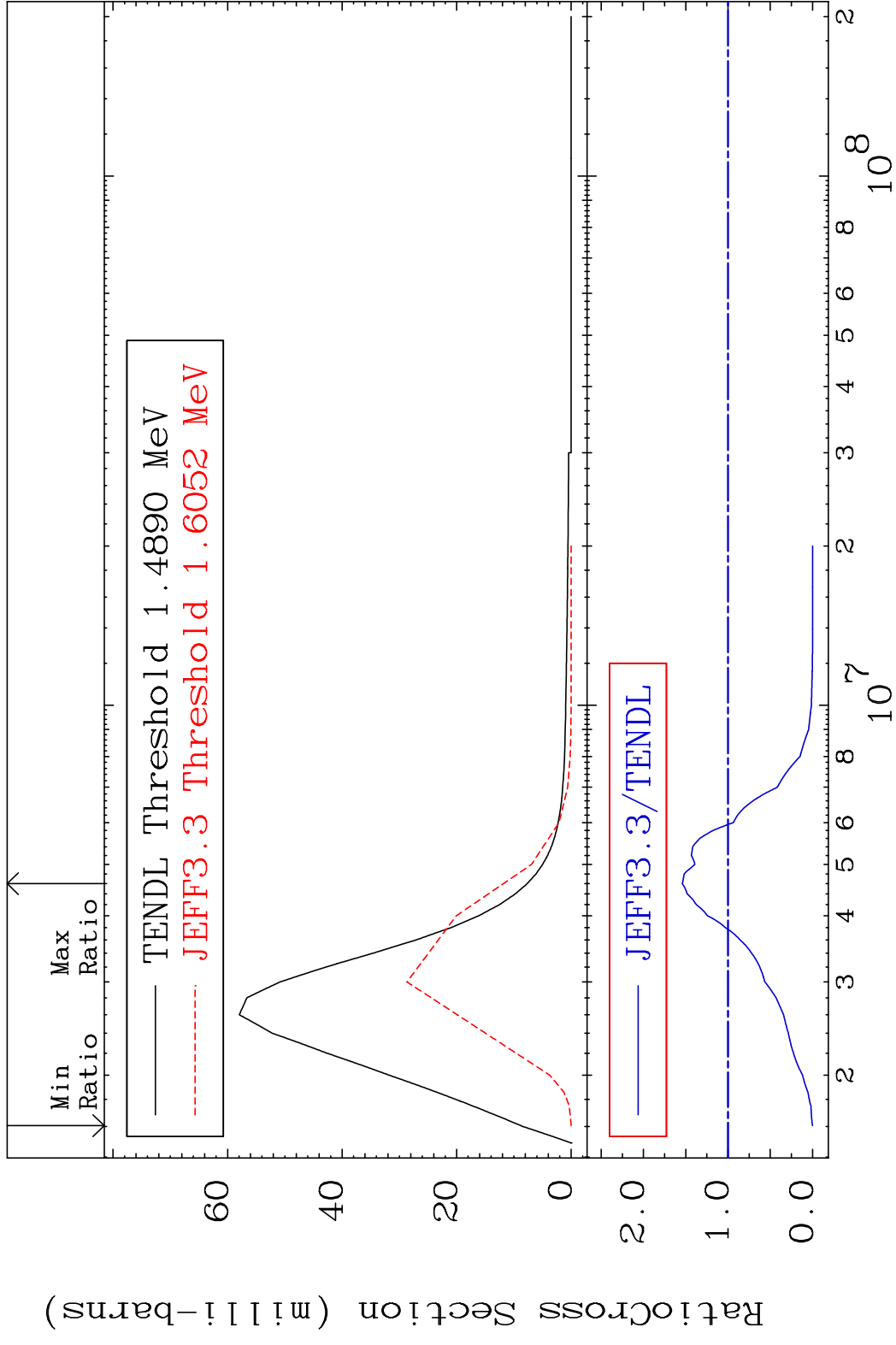


MAT 5625 MT= 56 (n,n') Level 56-Ba-130  
 Cross Section -100.0 To 432.8 %



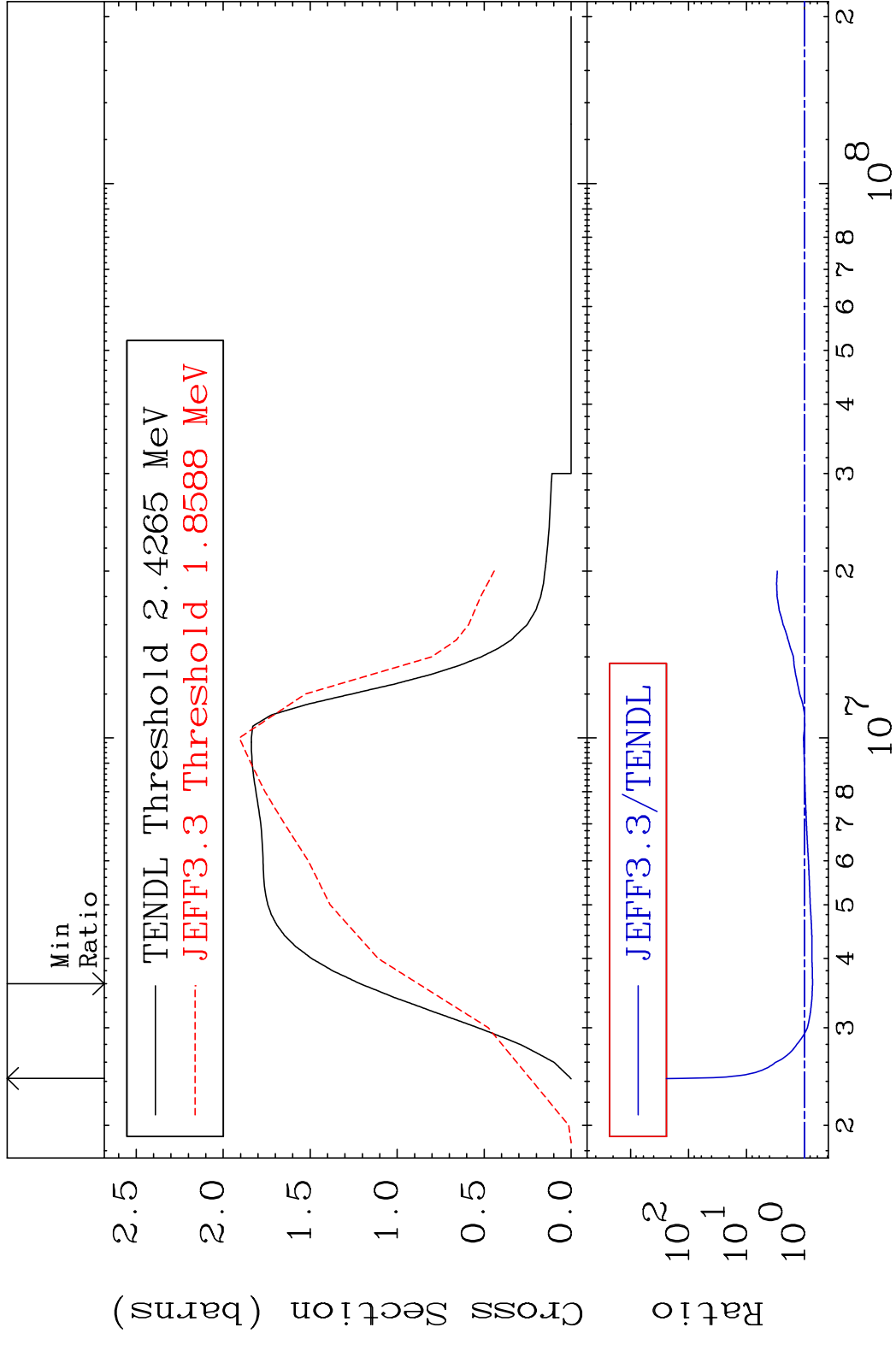
14 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 57 (n,n') Level 56-Ba-130  
 Cross Section -100.0 To 54.03 %





MAT 5625 (n, n') Continuum 56-Ba-130  
 Cross Section -27.59 To 9999. %

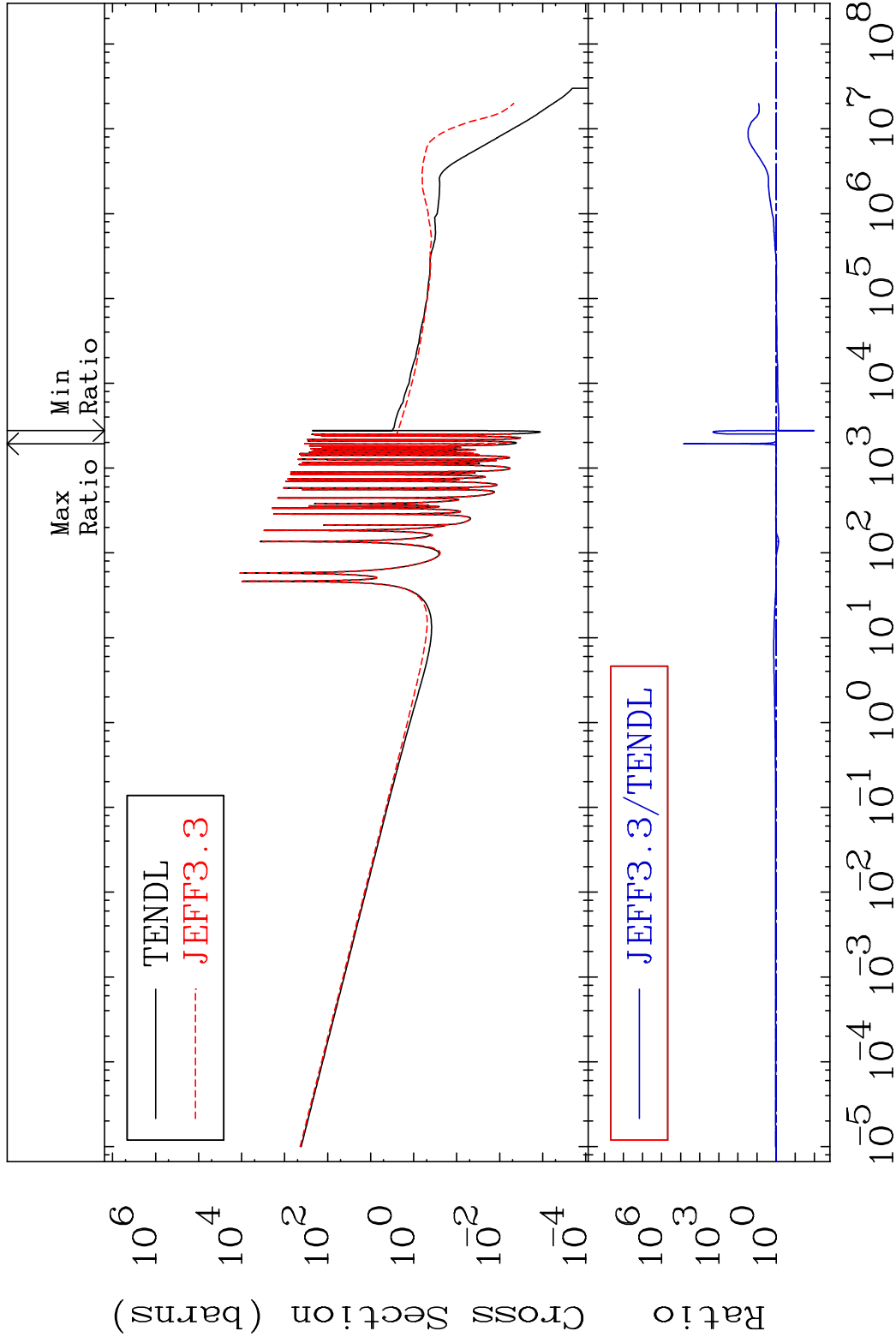


MAT 5625

(n,  $\gamma$ )

56-Ba-130

Cross Section -98.98 To 9999. %



17

Incident Energy (eV)

56-Ba-130

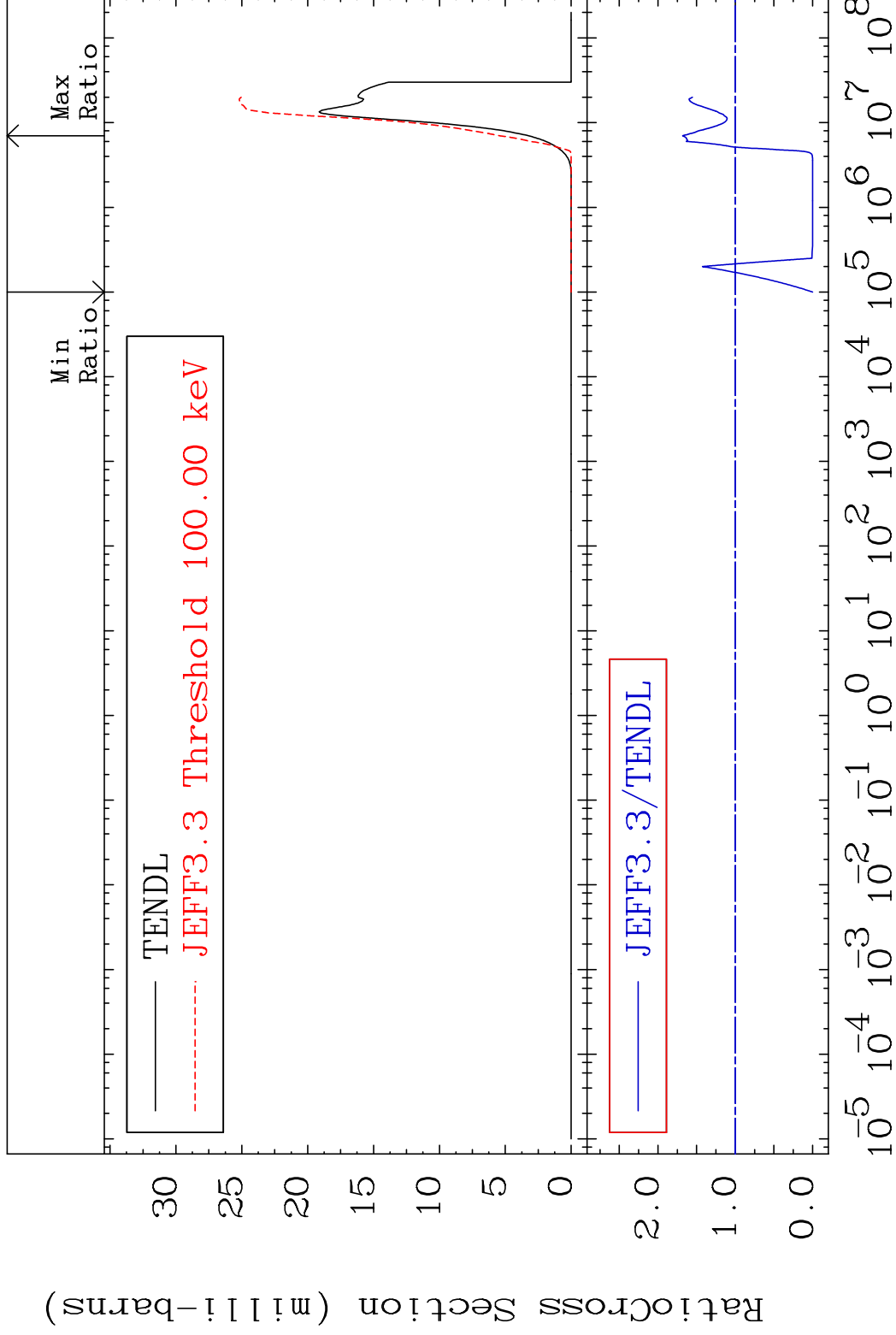
MAT 5625

(n, p)

56-Ba-130

Cross Section

-100.0 To 68.42 %



18

Incident Energy (eV)

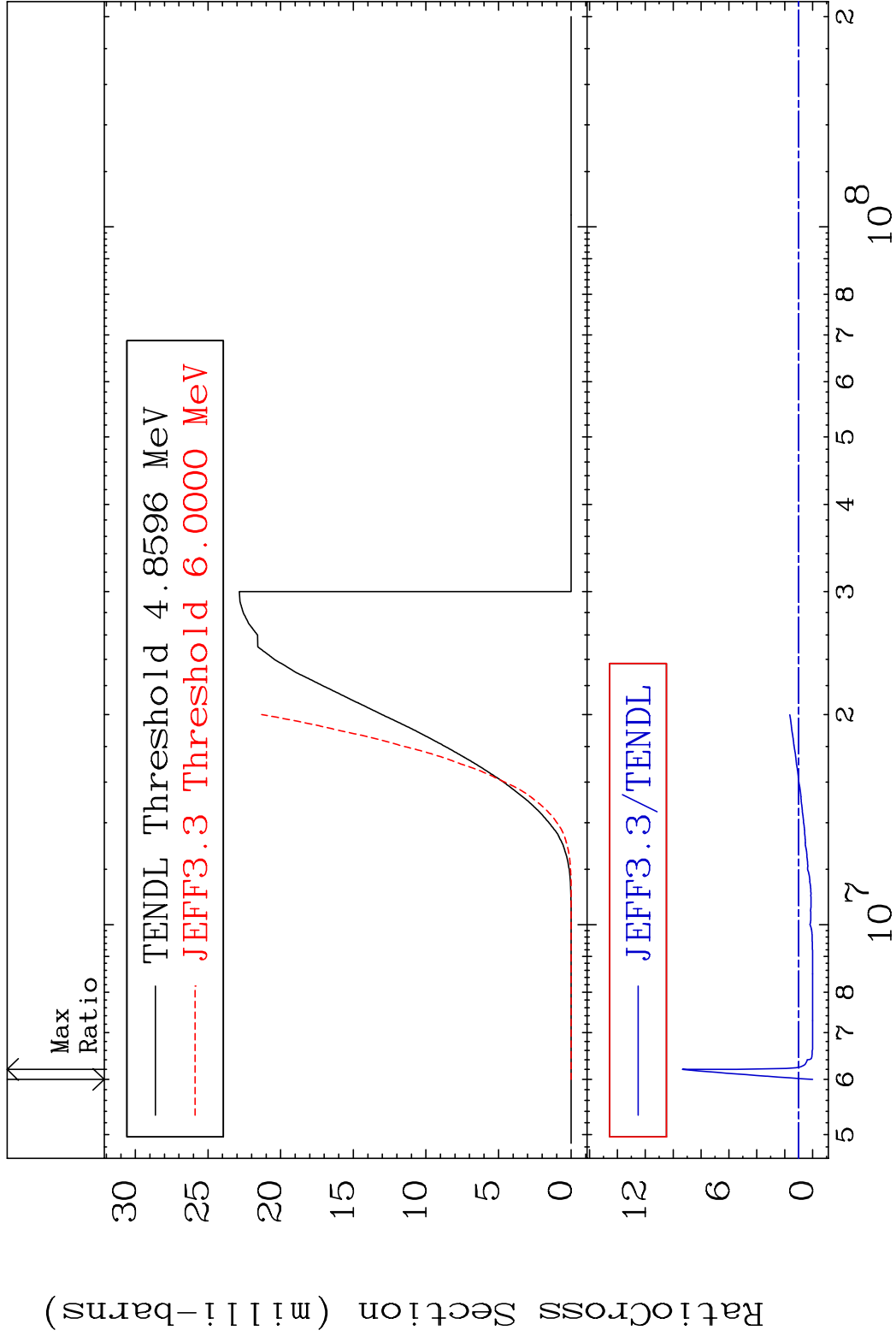
56-Ba-130

MAT 5625

(n, d)

56-Ba-130

Cross Section -100.0 To 834.1 %

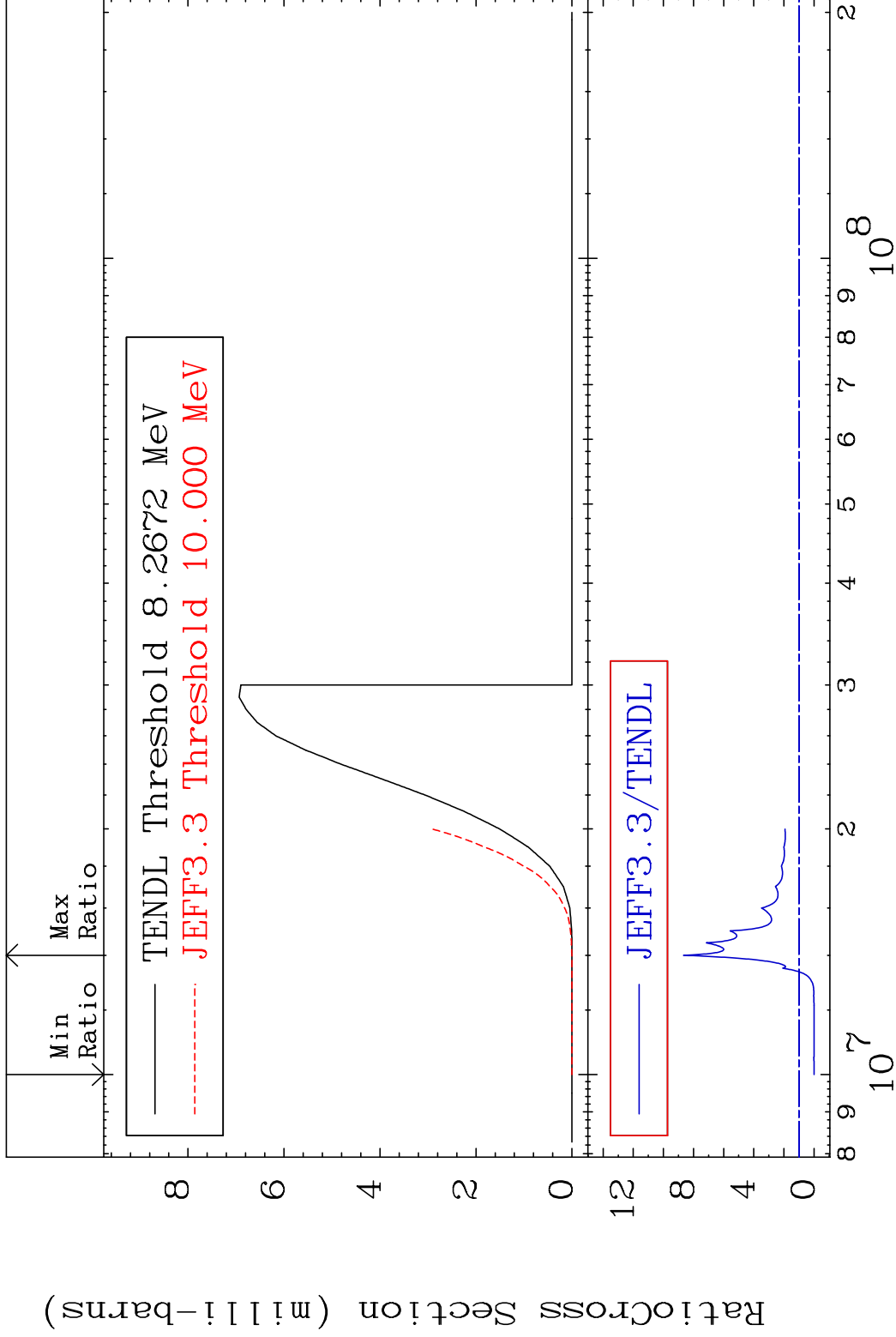


MAT 5625

(n, t)

56-Ba-130

Cross Section -100.0 To 766.8 %

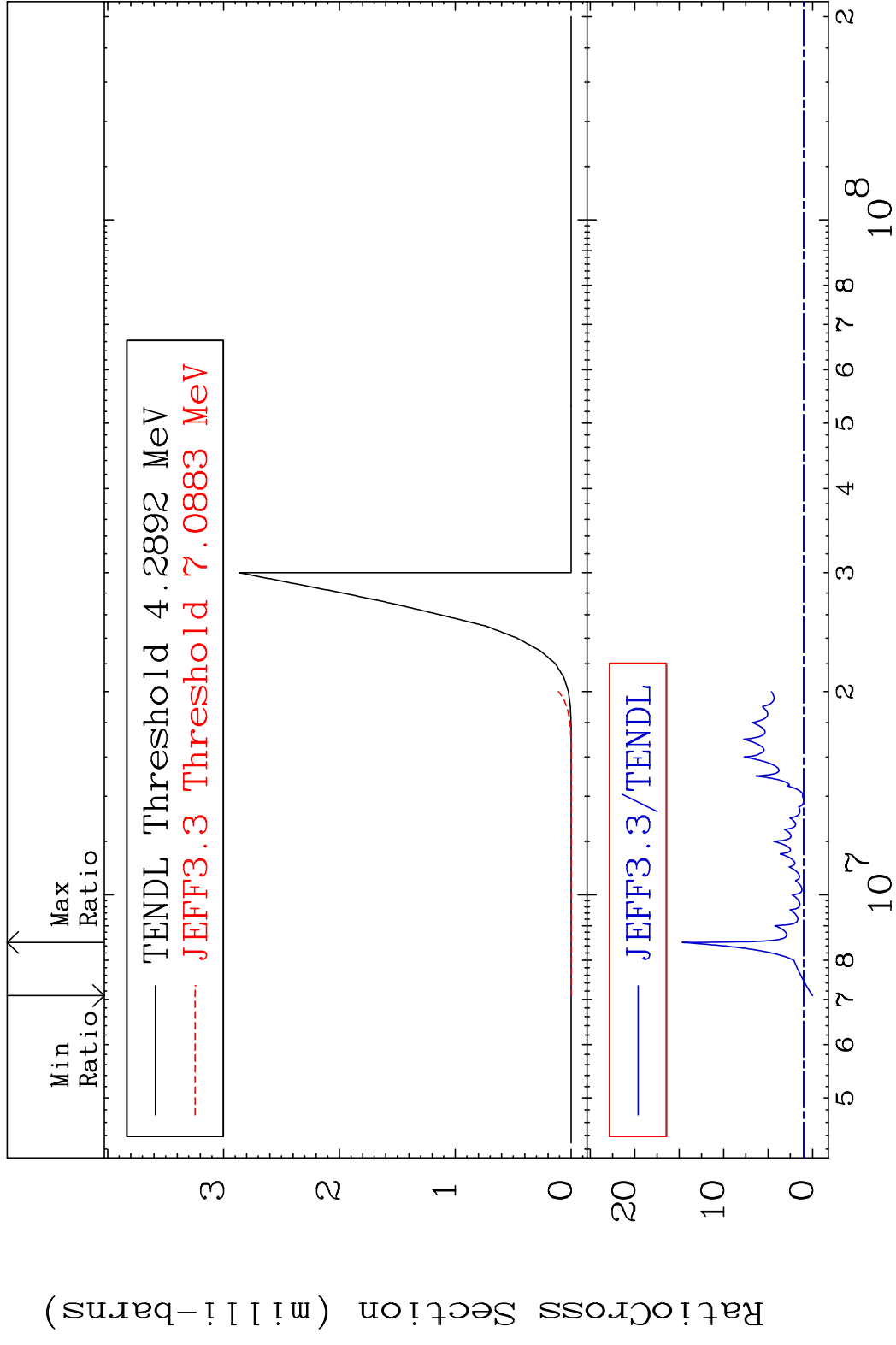


20

Incident Energy (eV)

56-Ba-130

MAT 5625 (n, He-3) 56-Ba-130  
 Cross Section -100.0 To 1365. %

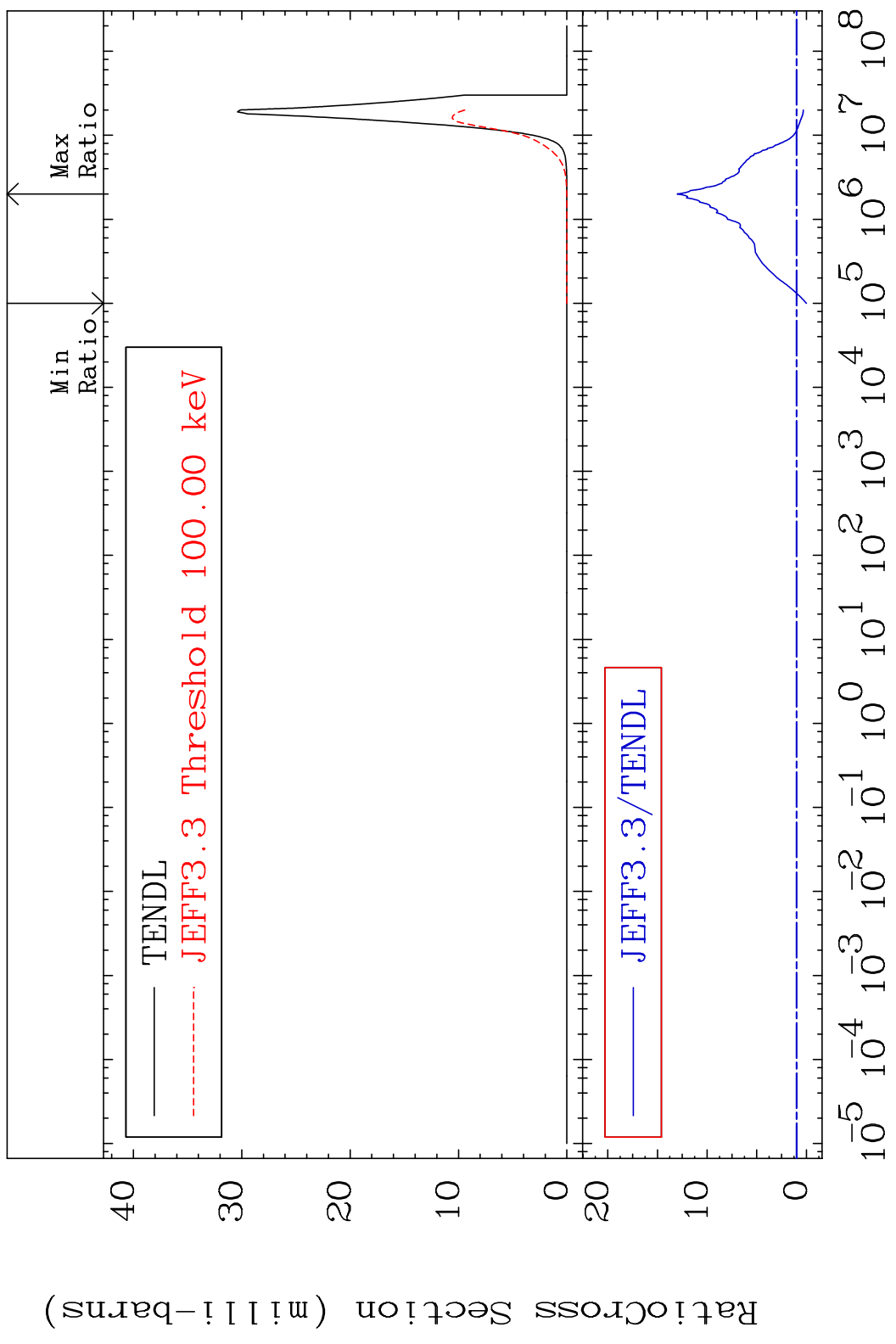


MAT 5625

(n,  $\alpha$ )

56-Ba-130

Cross Section -100.0 To 1201. %



MAT 5625

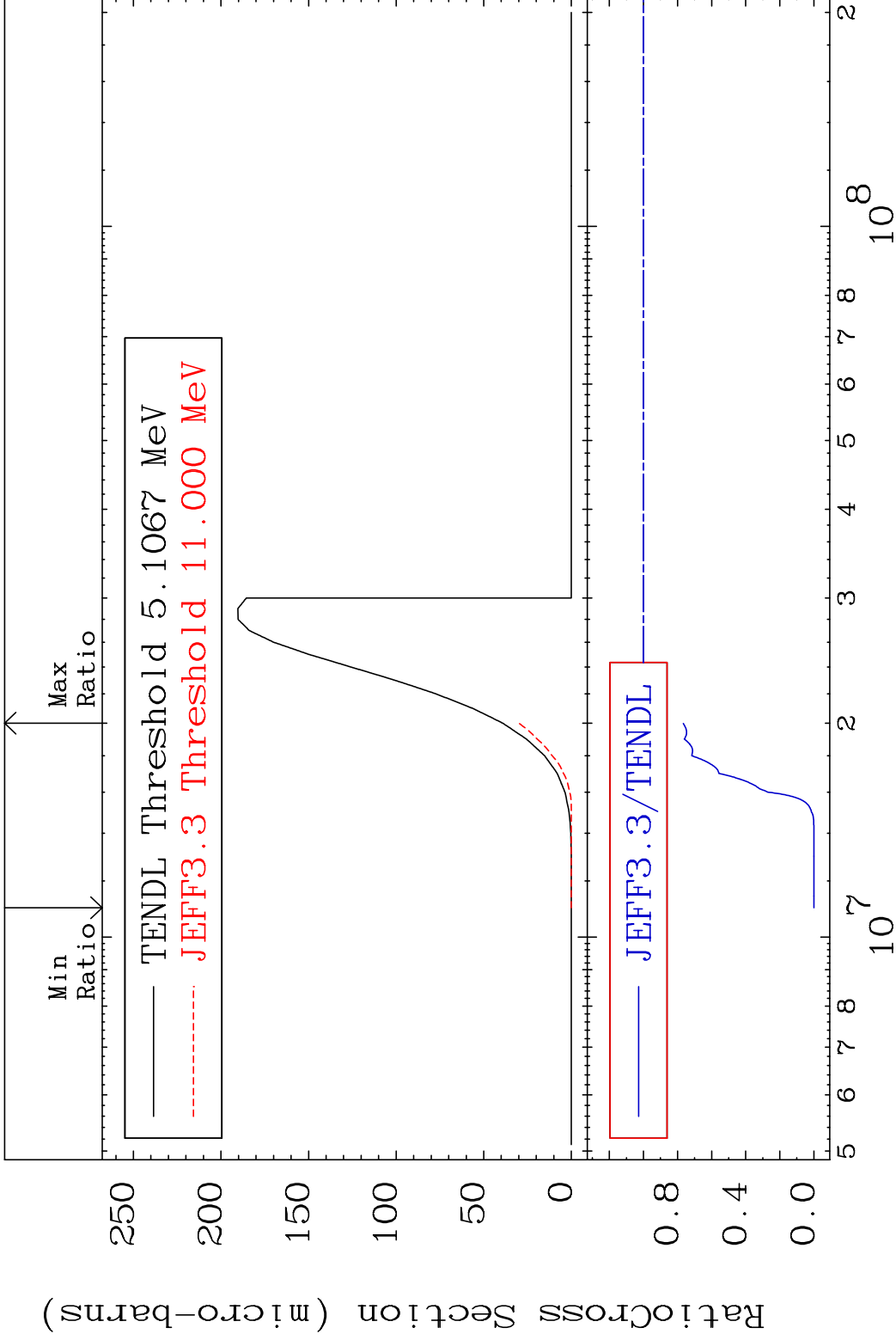
(n,2p)

56-Ba-130

Cross Section

-100.0 To

-23.23%



23

Incident Energy (eV)

56-Ba-130

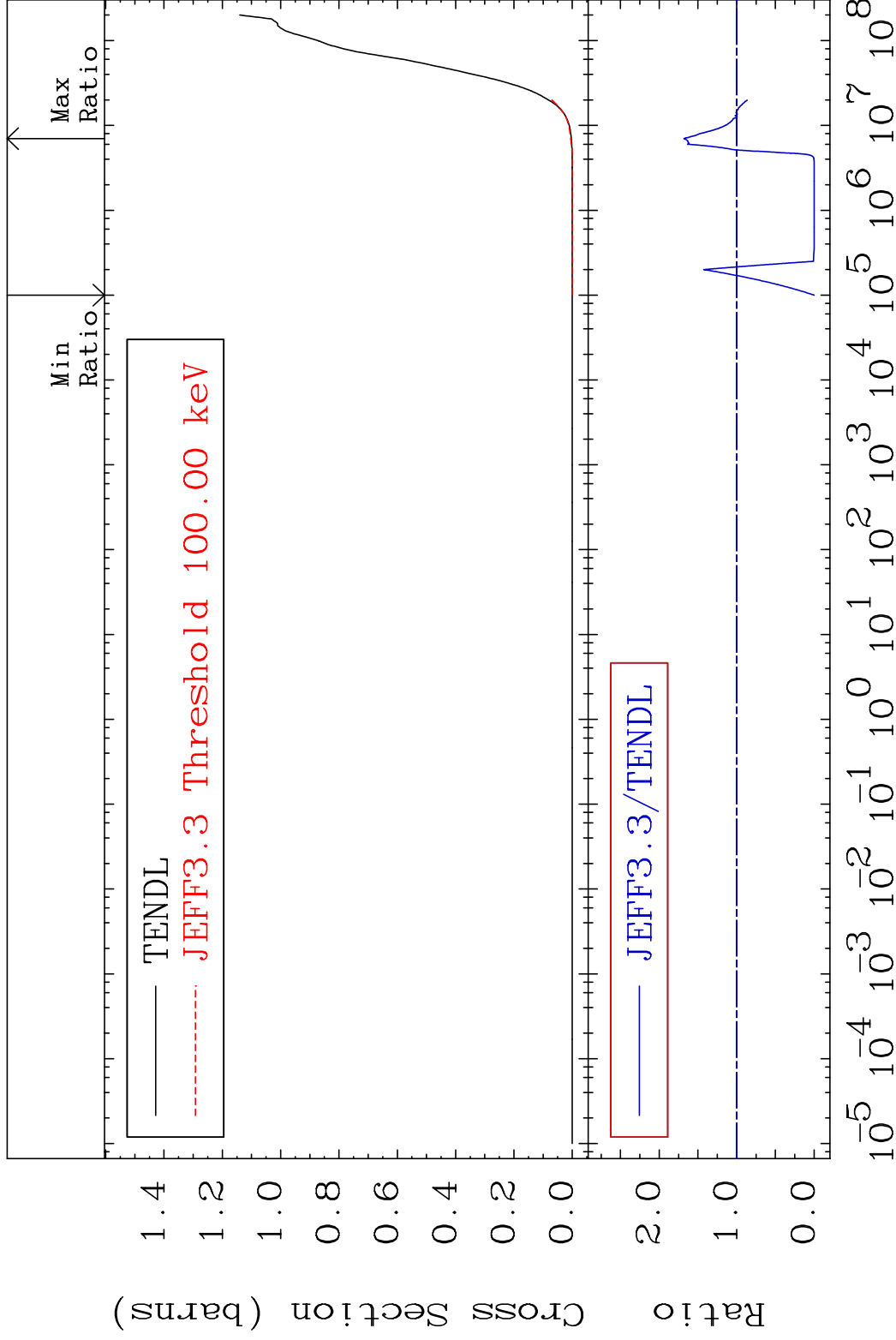


MAT 5625

Hydrogen Production

56-Ba-130

Cross Section -100.0 To 68.42 %



24

Incident Energy (eV)

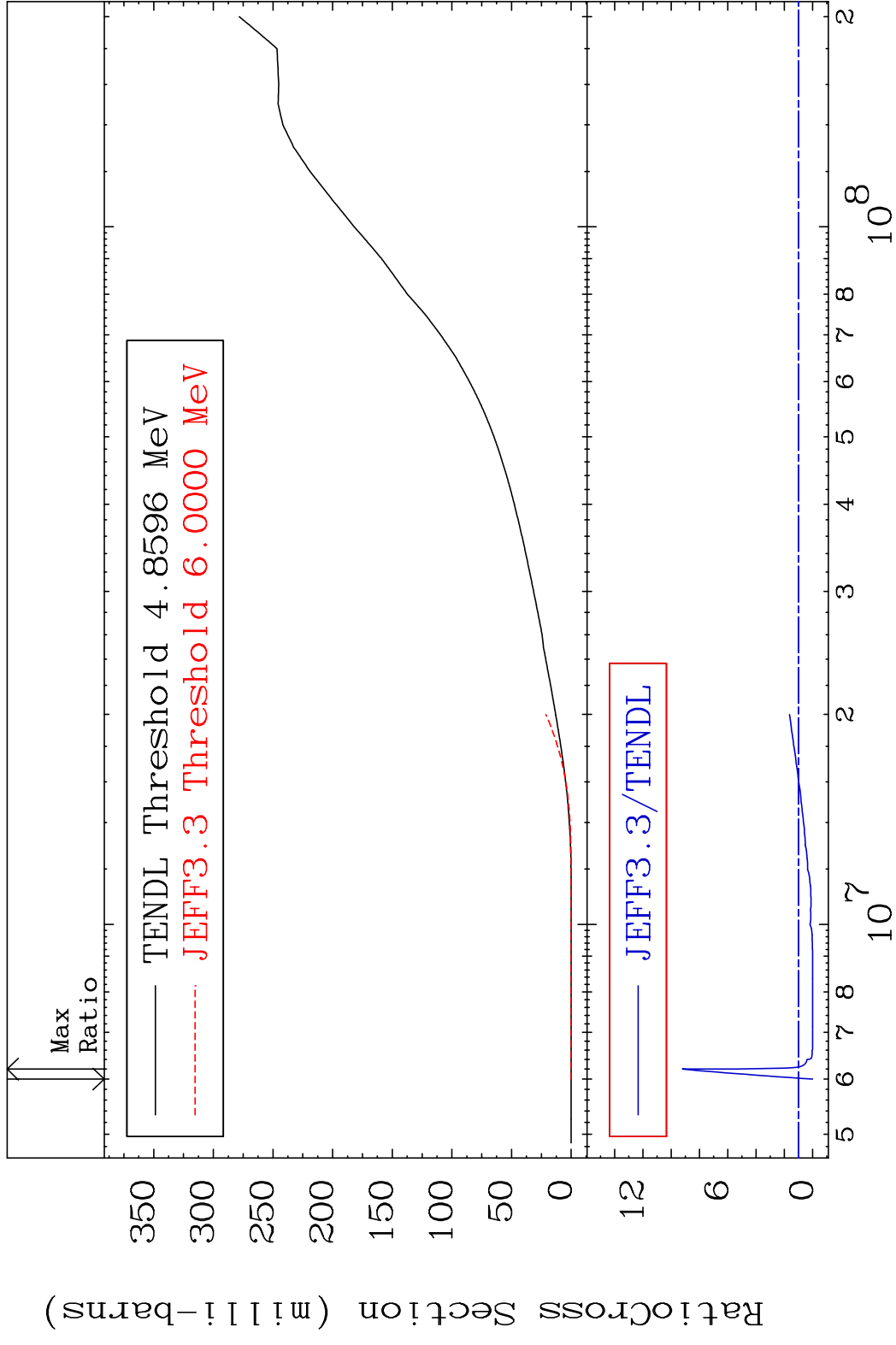
56-Ba-130

MAT 5625

Deuterium Production

56-Ba-130

Cross Section -100.0 To 820.8 %



25

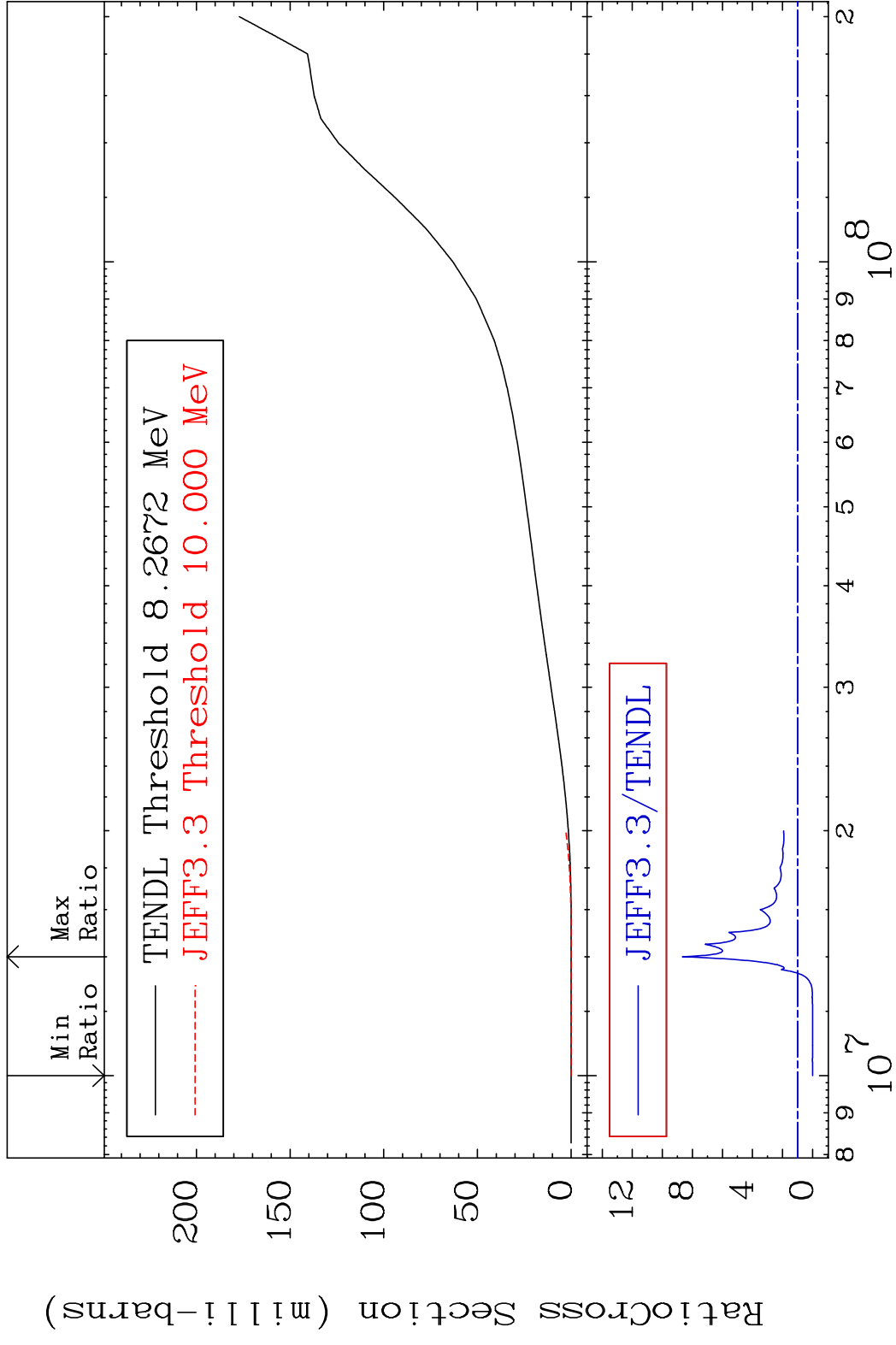
56-Ba-130

MAT 5625

Tritium Production

56-Ba-130

Cross Section -100.0 To 766.8 %



26

Incident Energy (eV)

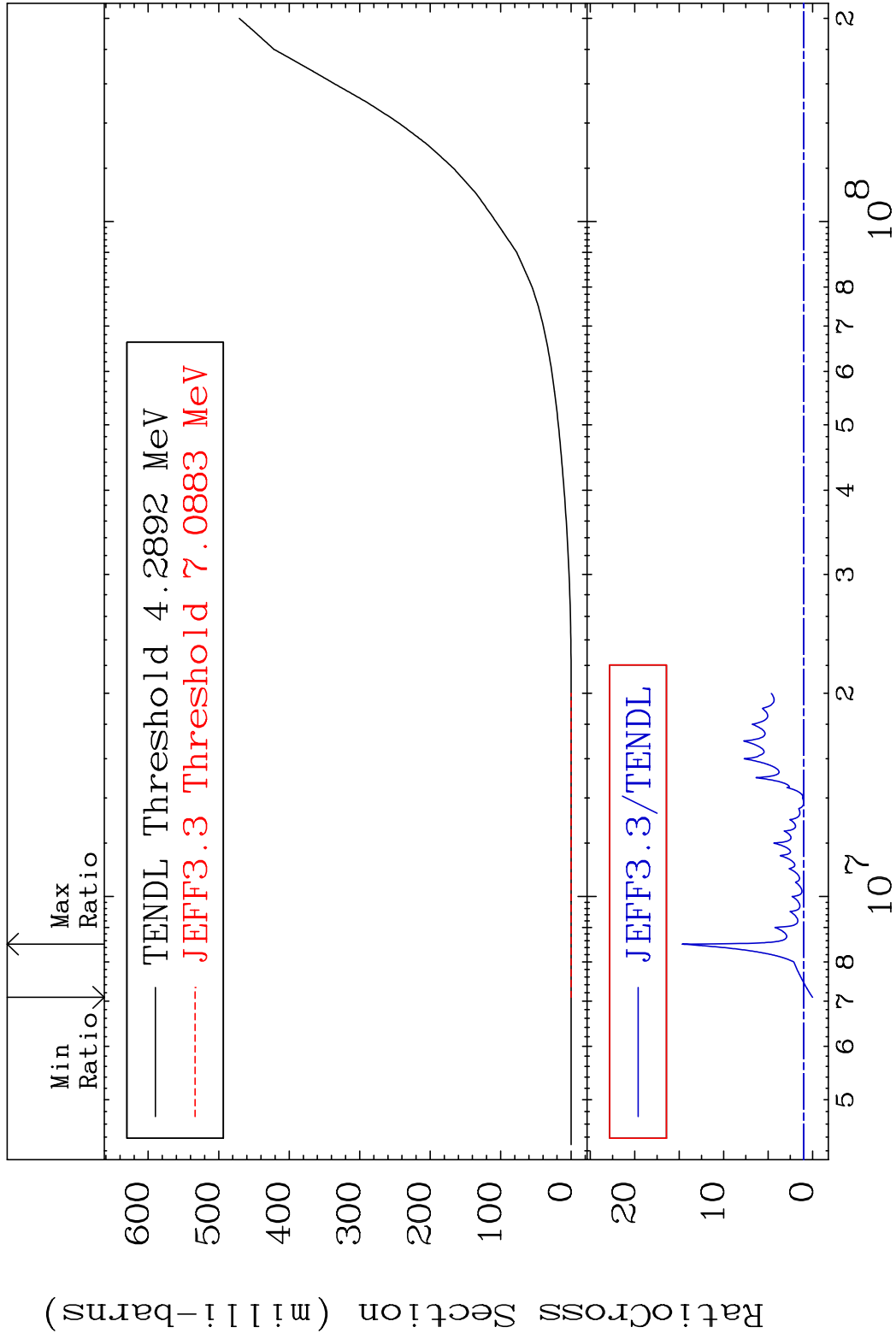
56-Ba-130

MAT 5625

He-3 Production

56-Ba-130

Cross Section -100.0 To 1365. %



27

Incident Energy (eV)

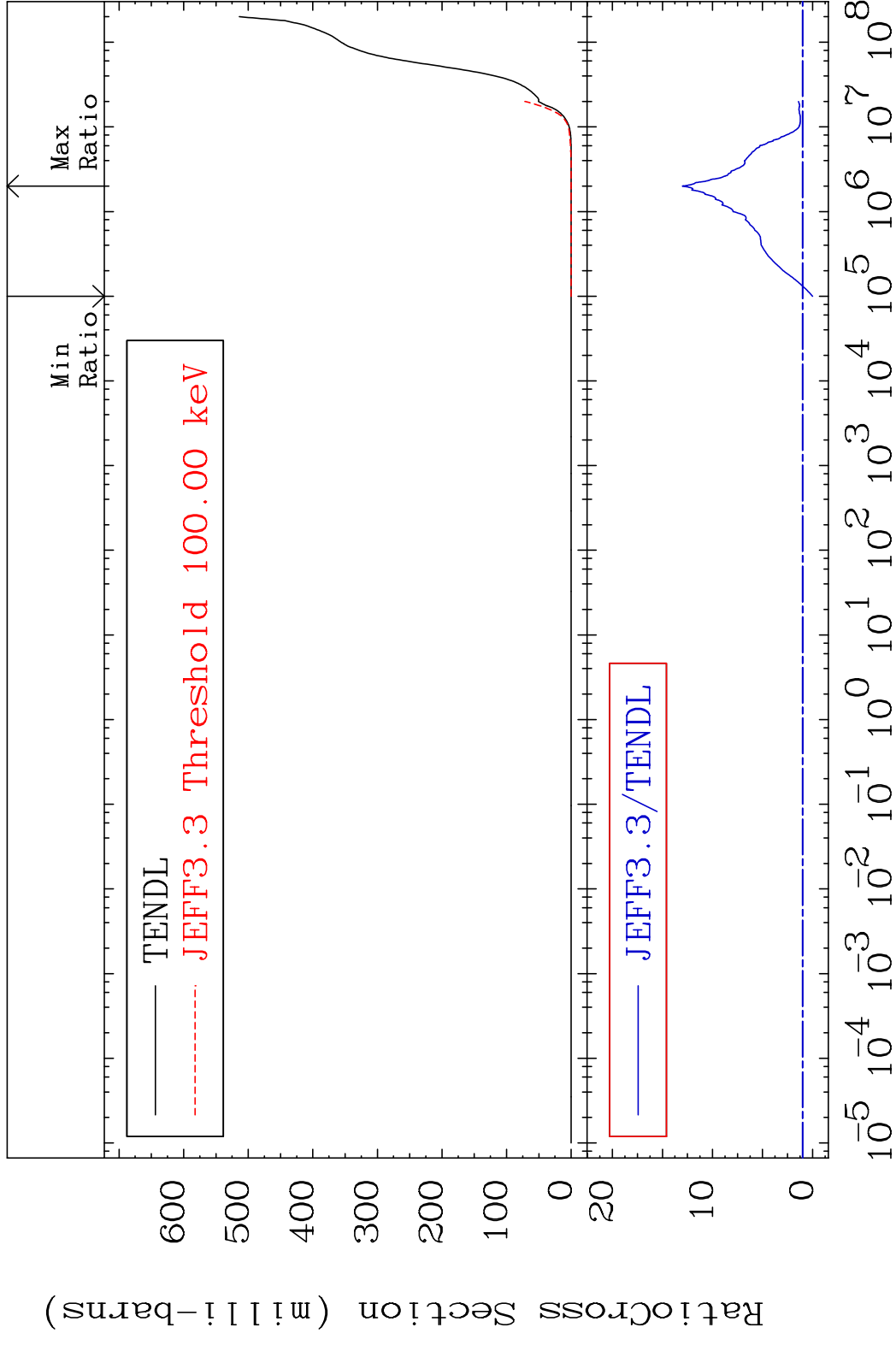
56-Ba-130

MAT 5625

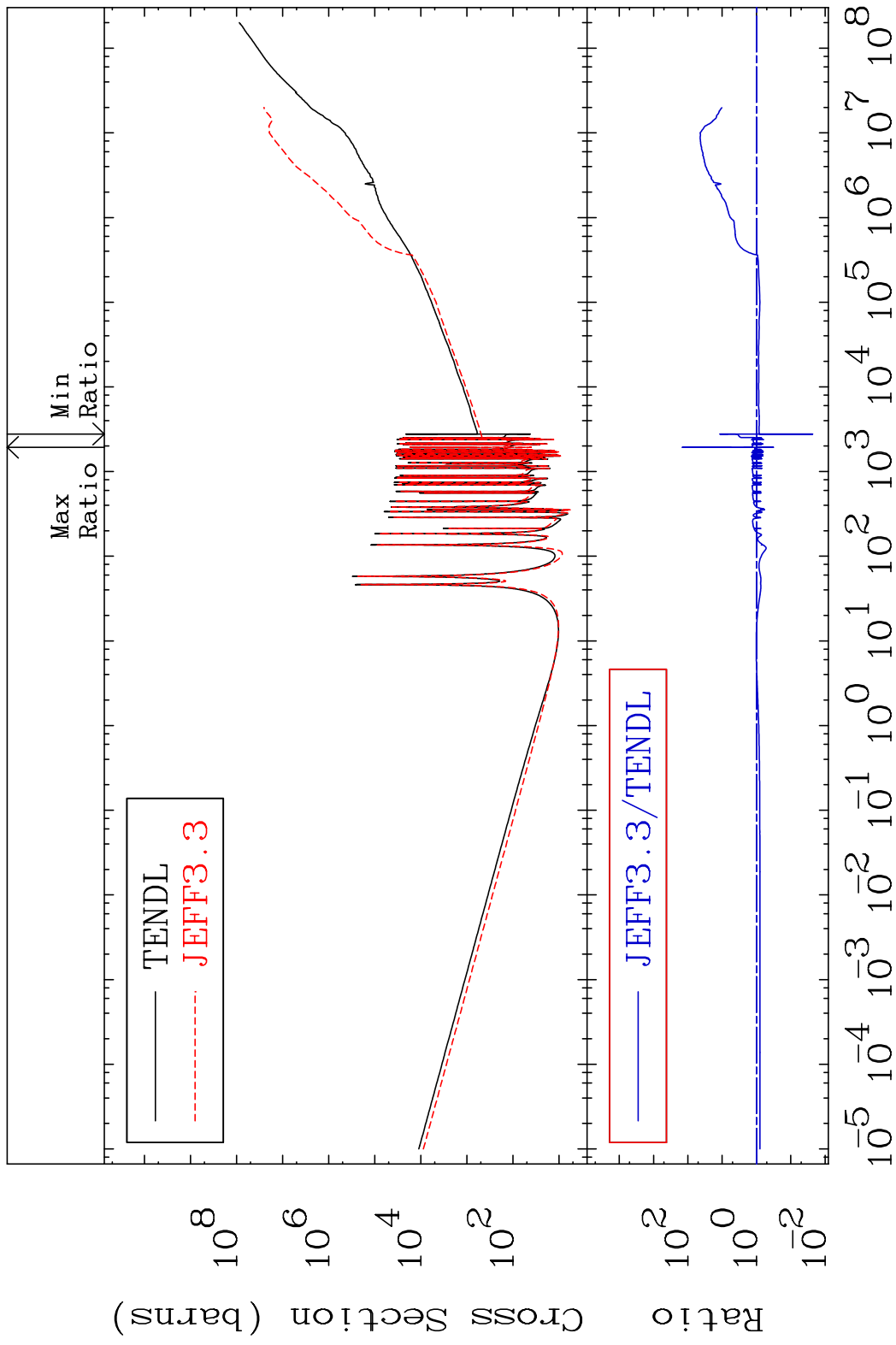
He-4 Production

56-Ba-130

Cross Section -100.0 To 1201. %



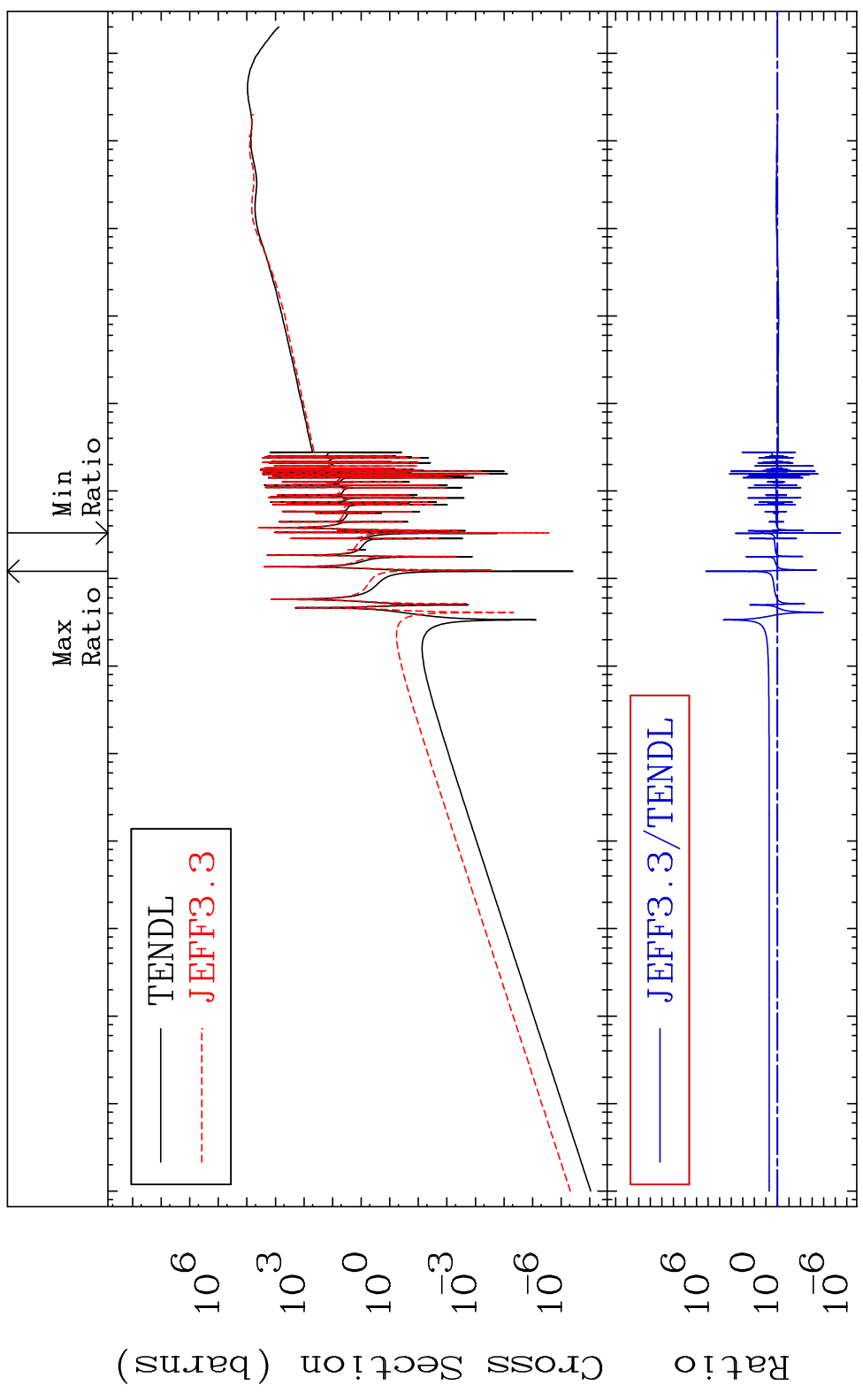
MAT 5625 Kerma total (eV-barns) 56-Ba-130  
 Cross Section -97.67 To 9999. %



29 Incident Energy (eV) 56-Ba-130

MAT 5625

Kerma elastic Cross Section -100.0 To 9999. %  
56-Ba-130

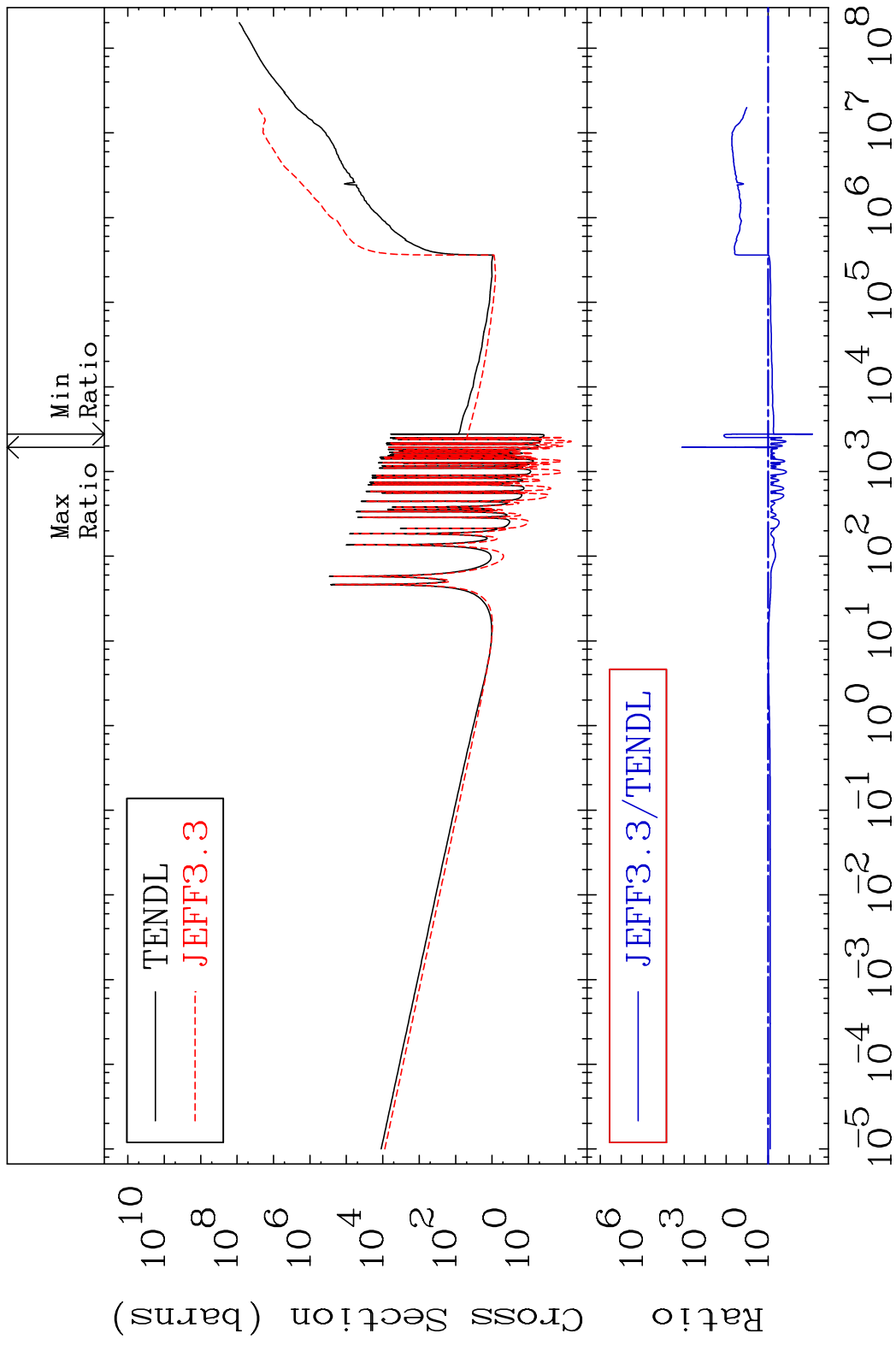


30

Incident Energy (eV)

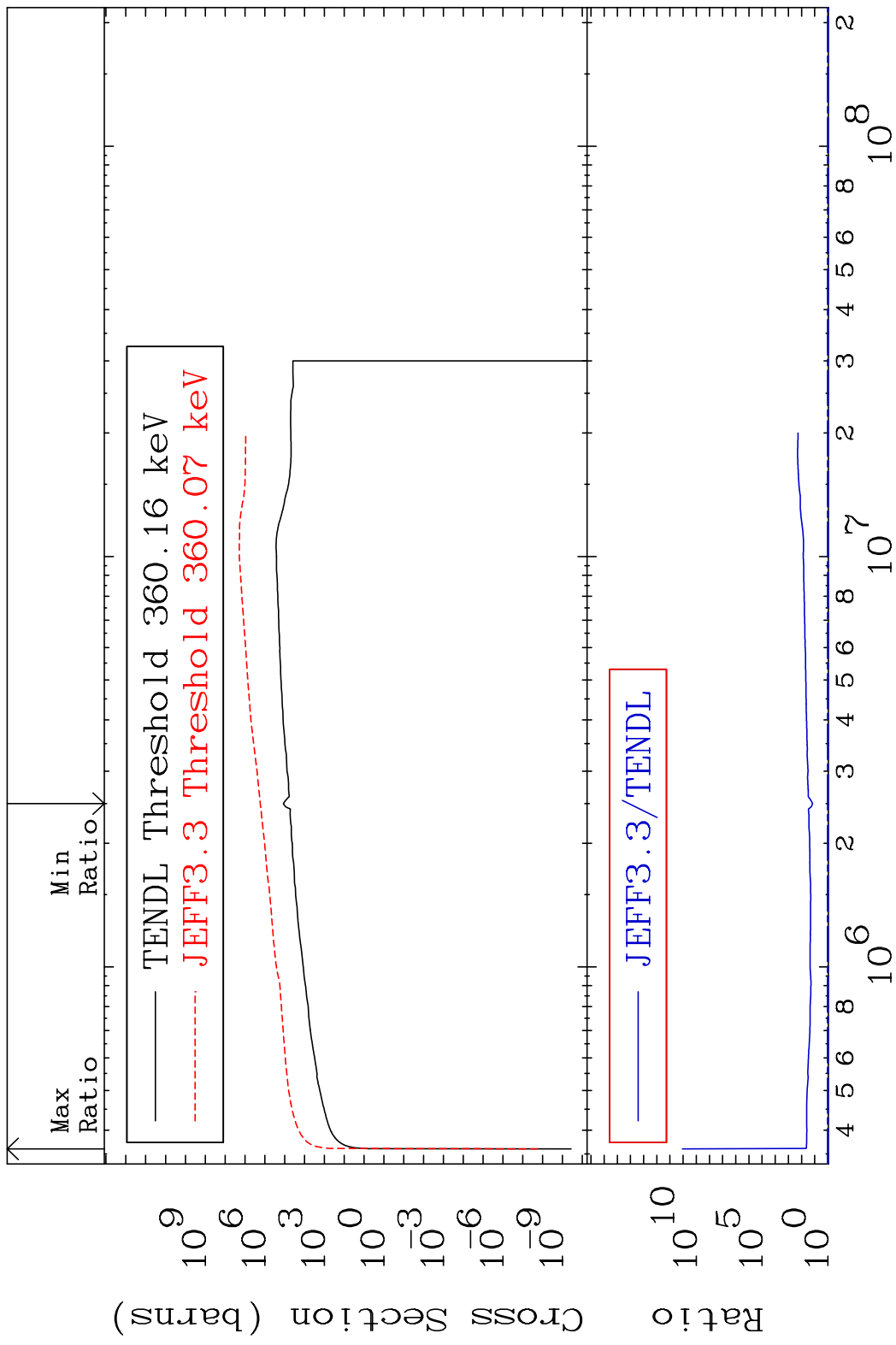
56-Ba-130

MAT 5625 Kerma non-elastic (all but mt2) 56-Ba-130  
 Cross Section -99.23 To 9999. %

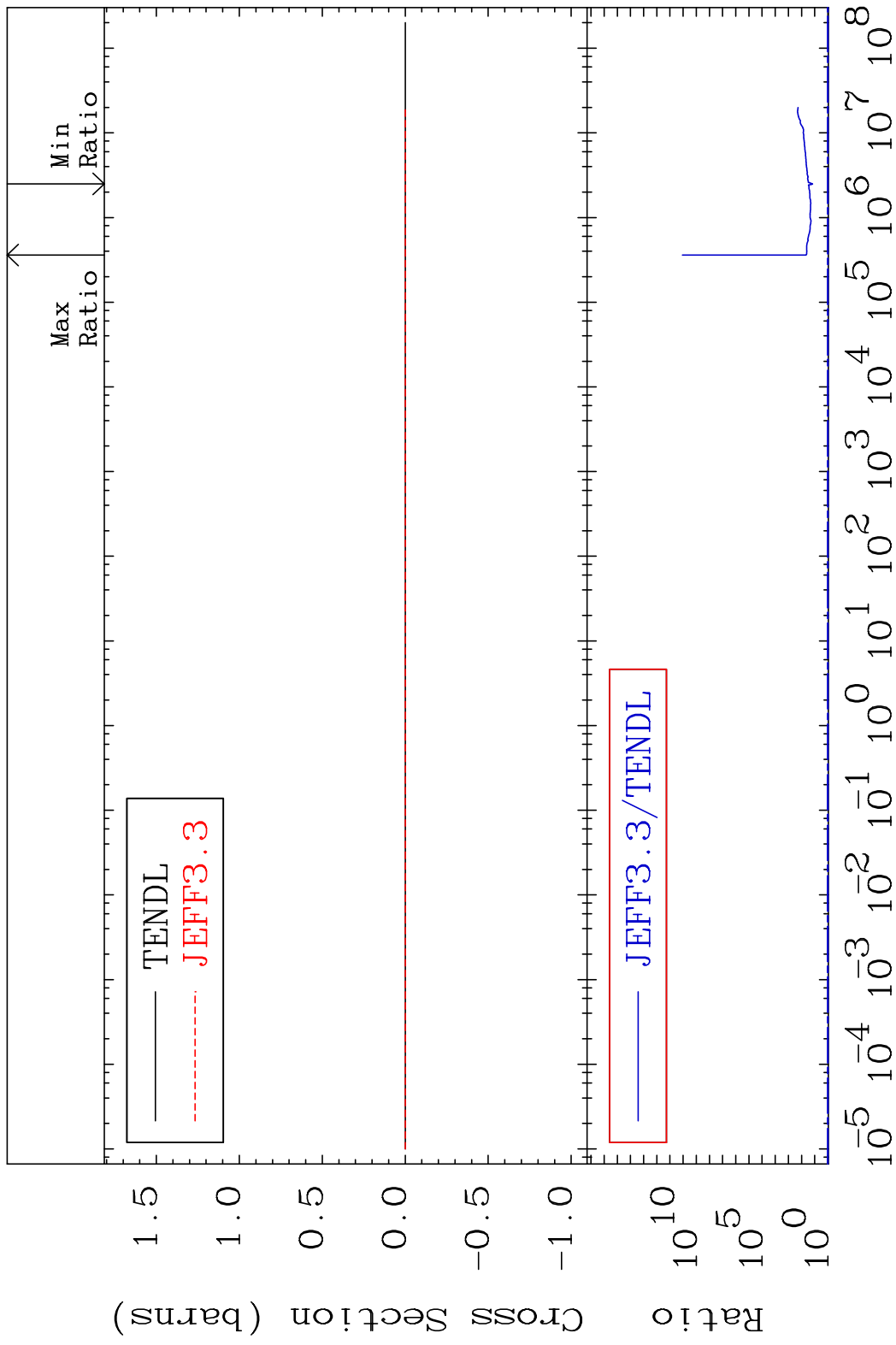




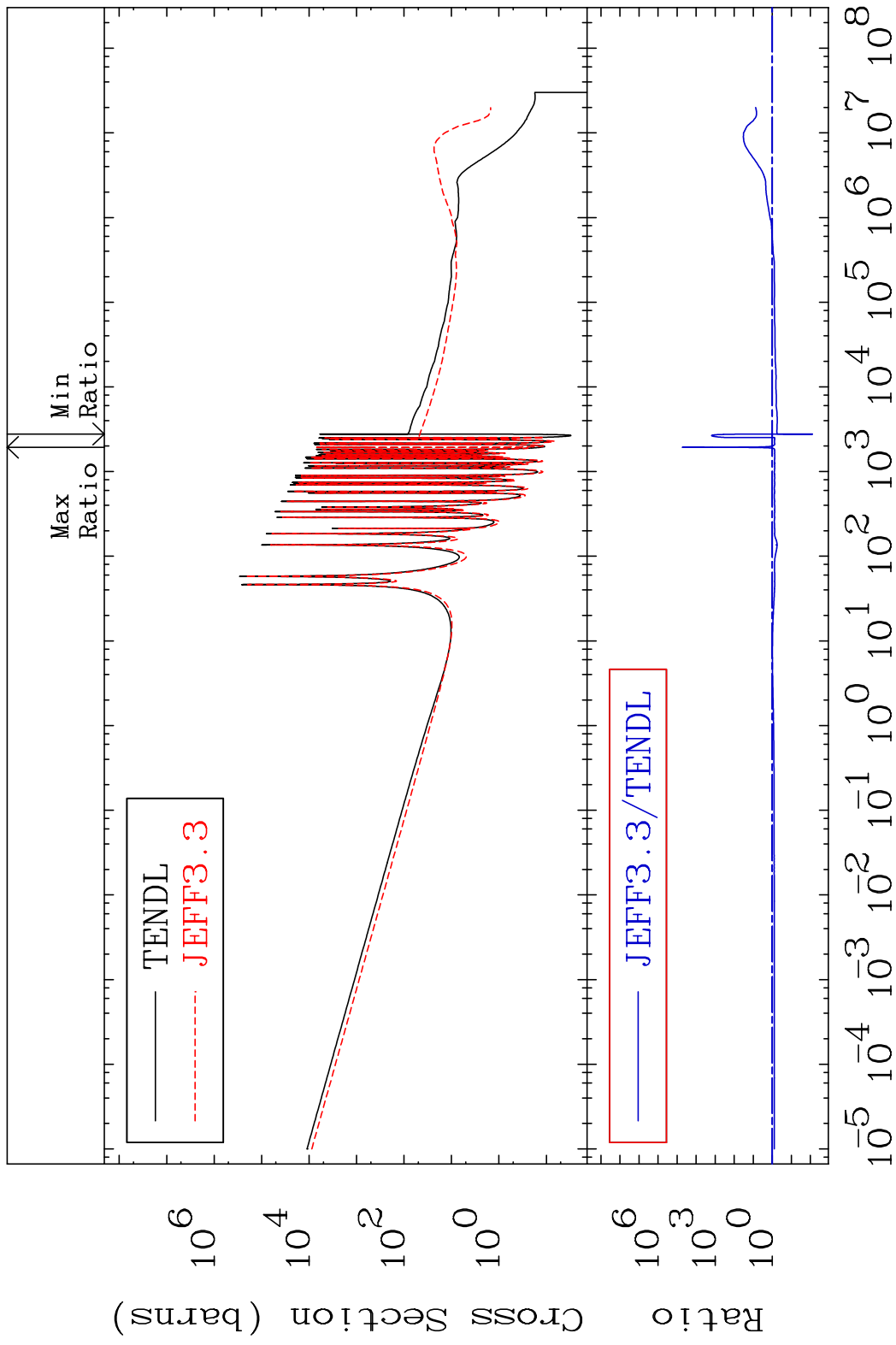
MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130  
 Cross Section 1360. To 9999. %



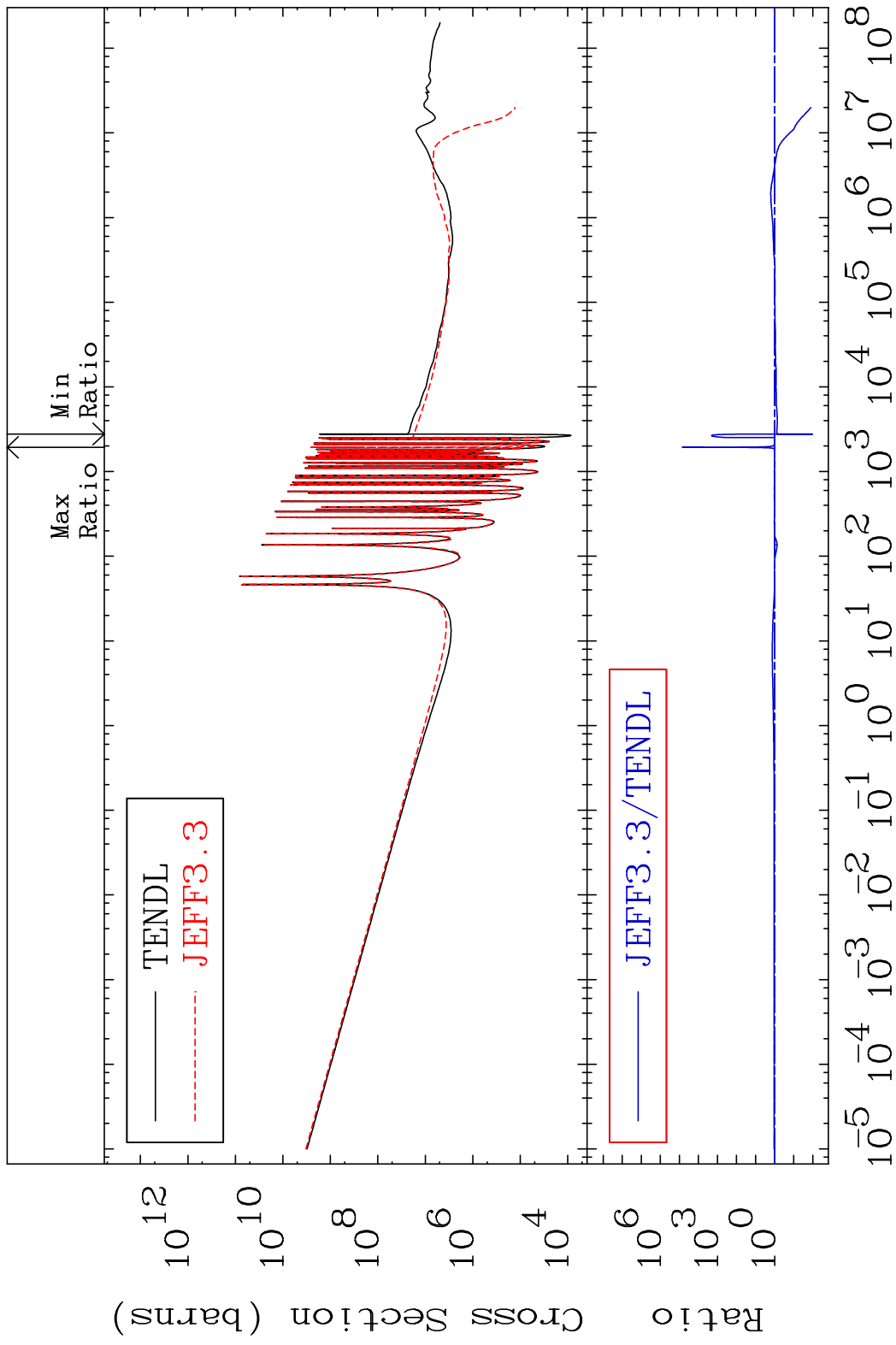
MAT 5625 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-130  
 Cross Section 1360. To 9999. %



MAT 5625 Kerma capture (mt102) 56-Ba-130  
 Cross Section -99.23 To 9999. %

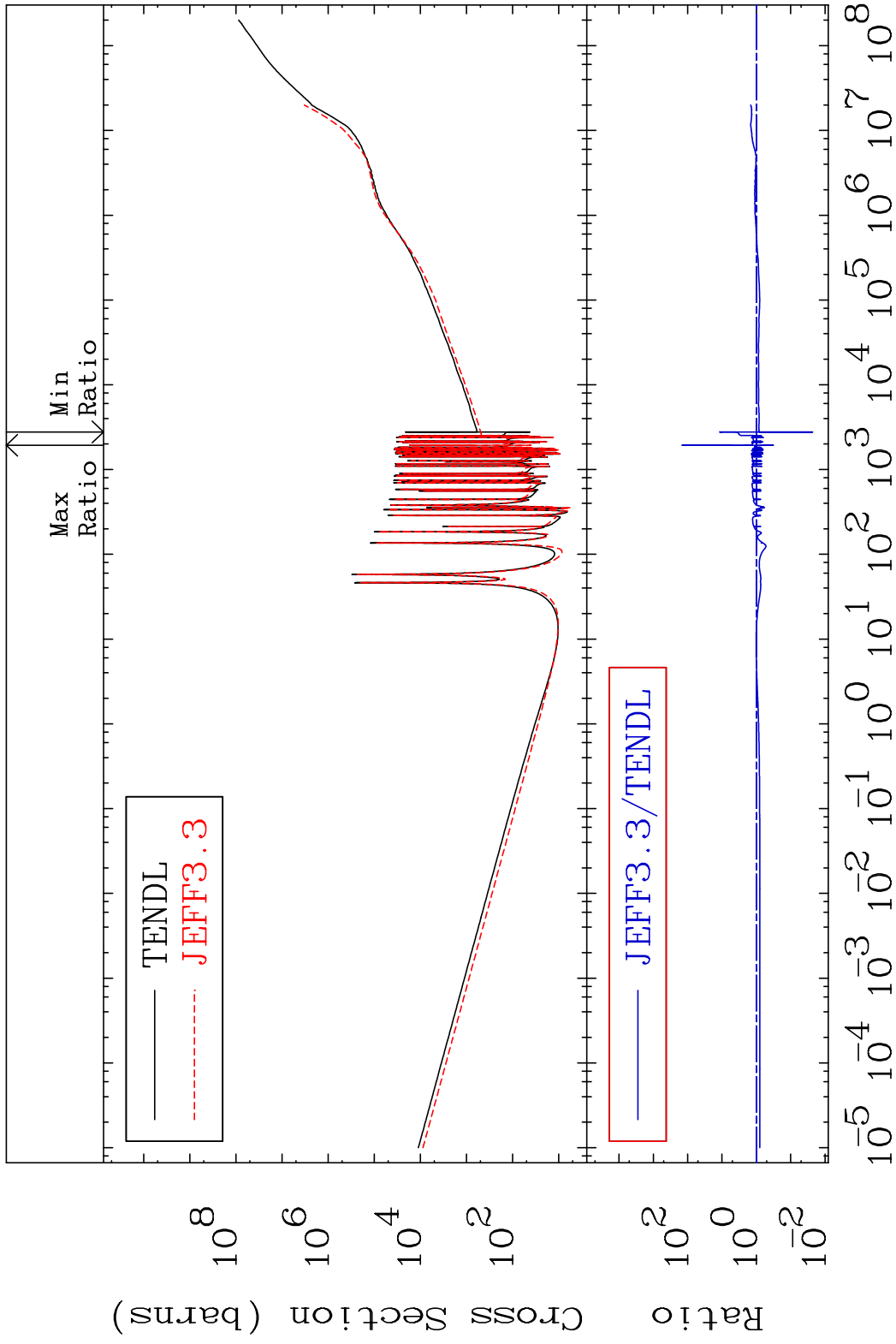


MAT 5625 Total photon (eV-barns) 56-Ba-130  
Cross Section -98.98 To 9999. %

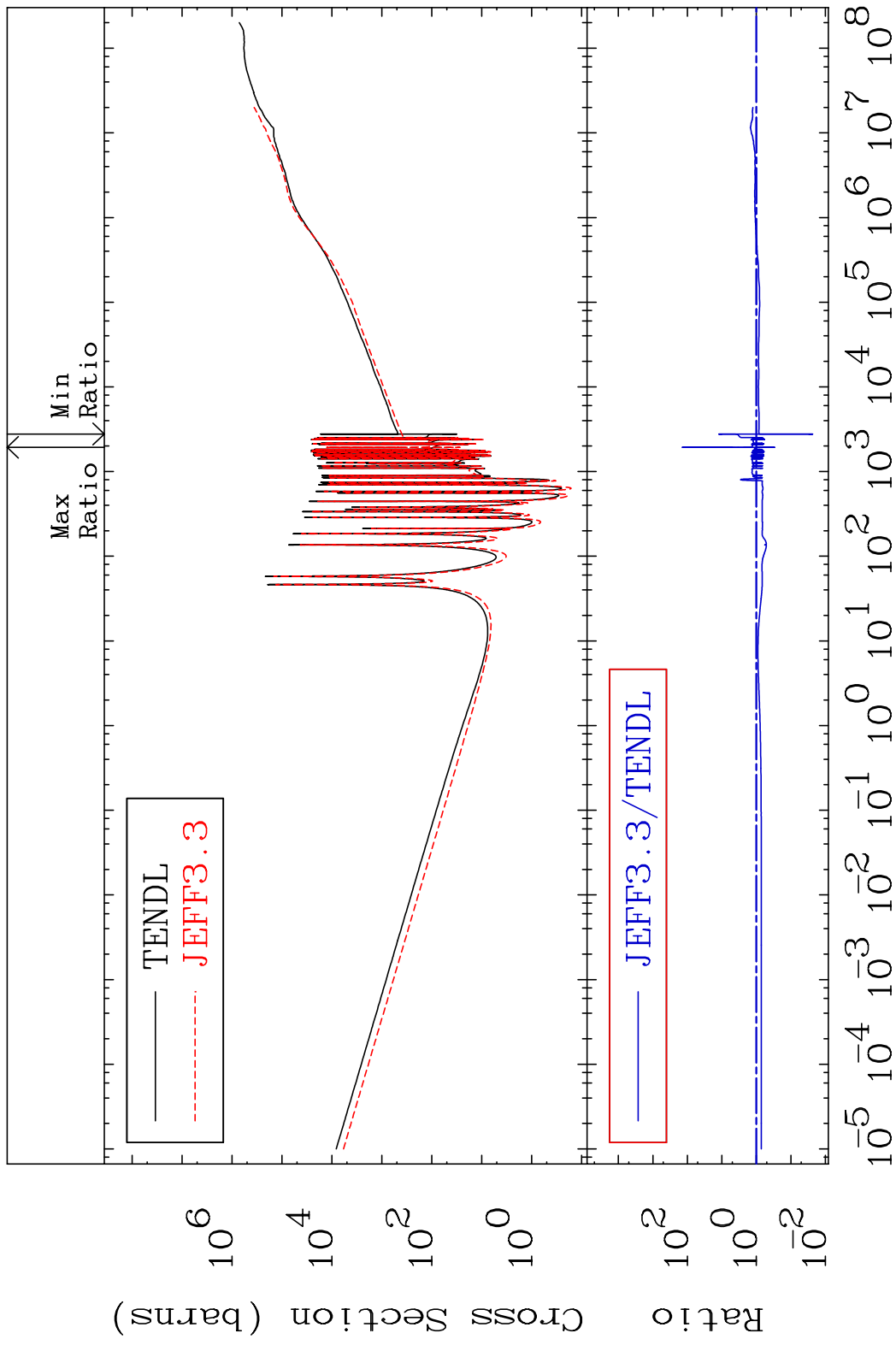


35 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130  
 Cross Section -97.67 To 9999. %



MAT 5625      Dpa total (eV-barns)      56-Ba-130  
 Cross Section      -97.65 To 9999. %

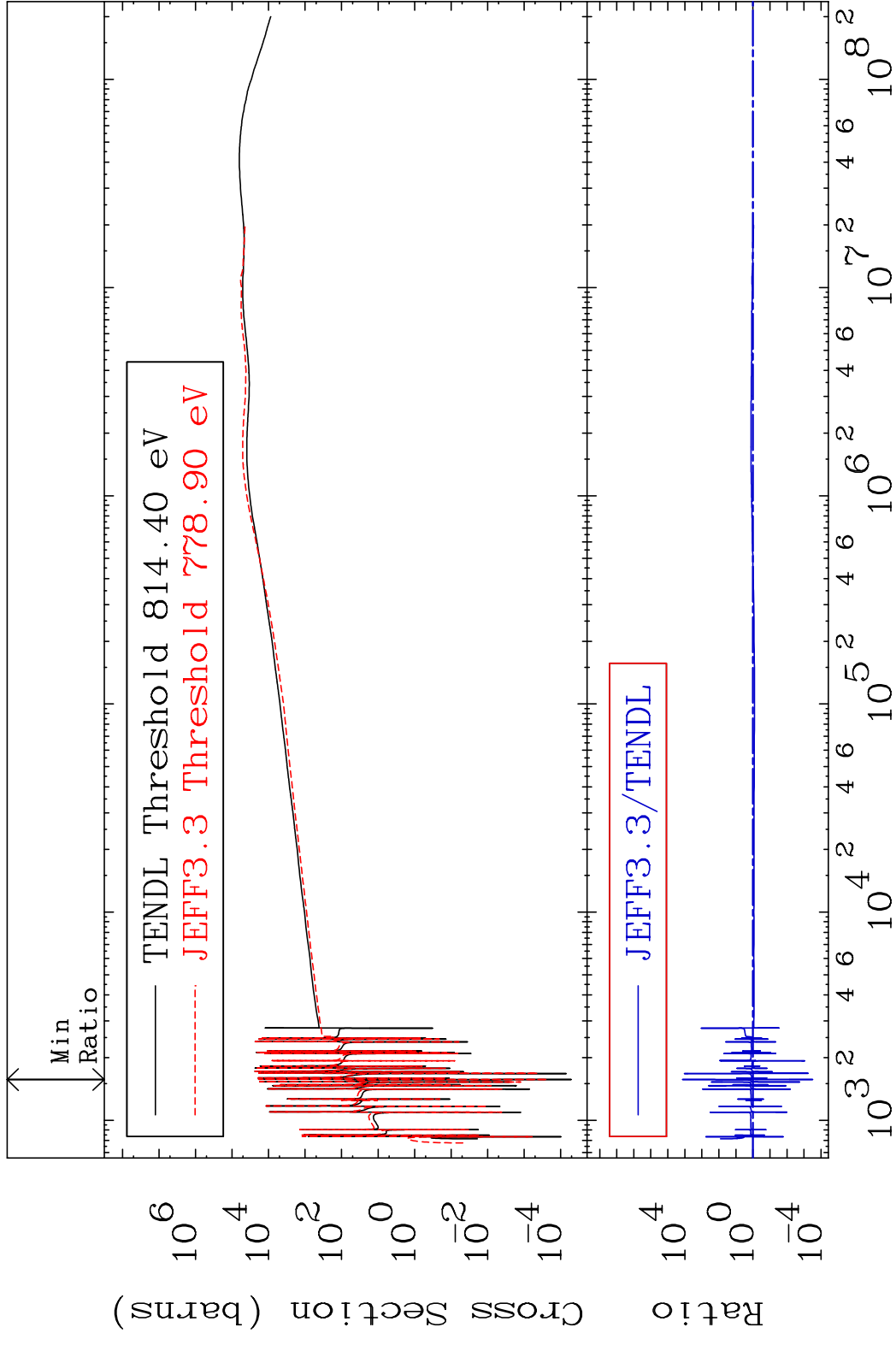


MAT 5625

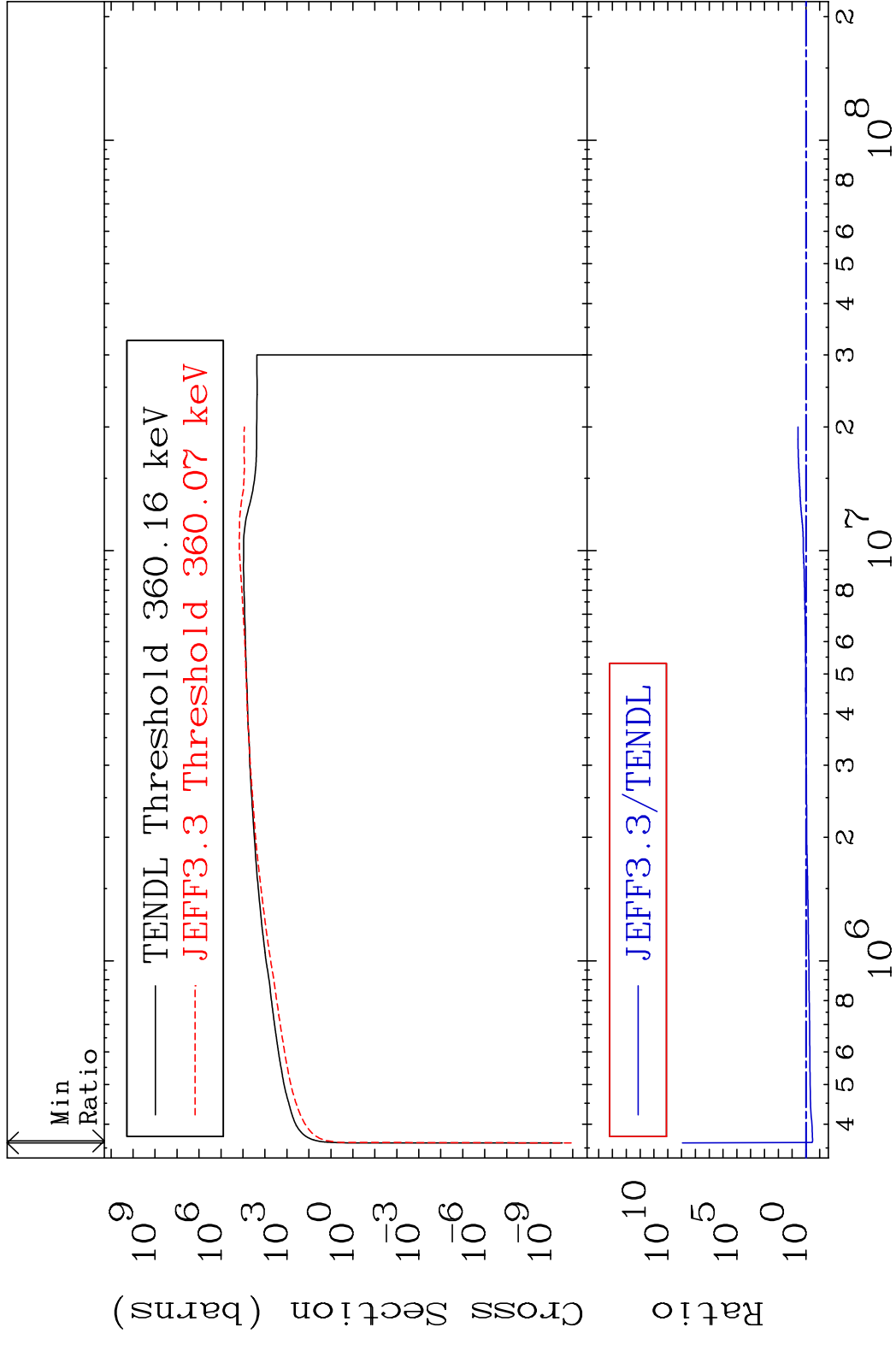
Dpa elastic (mt2)

56-Ba-130

Cross Section -99.97 To 9999. %

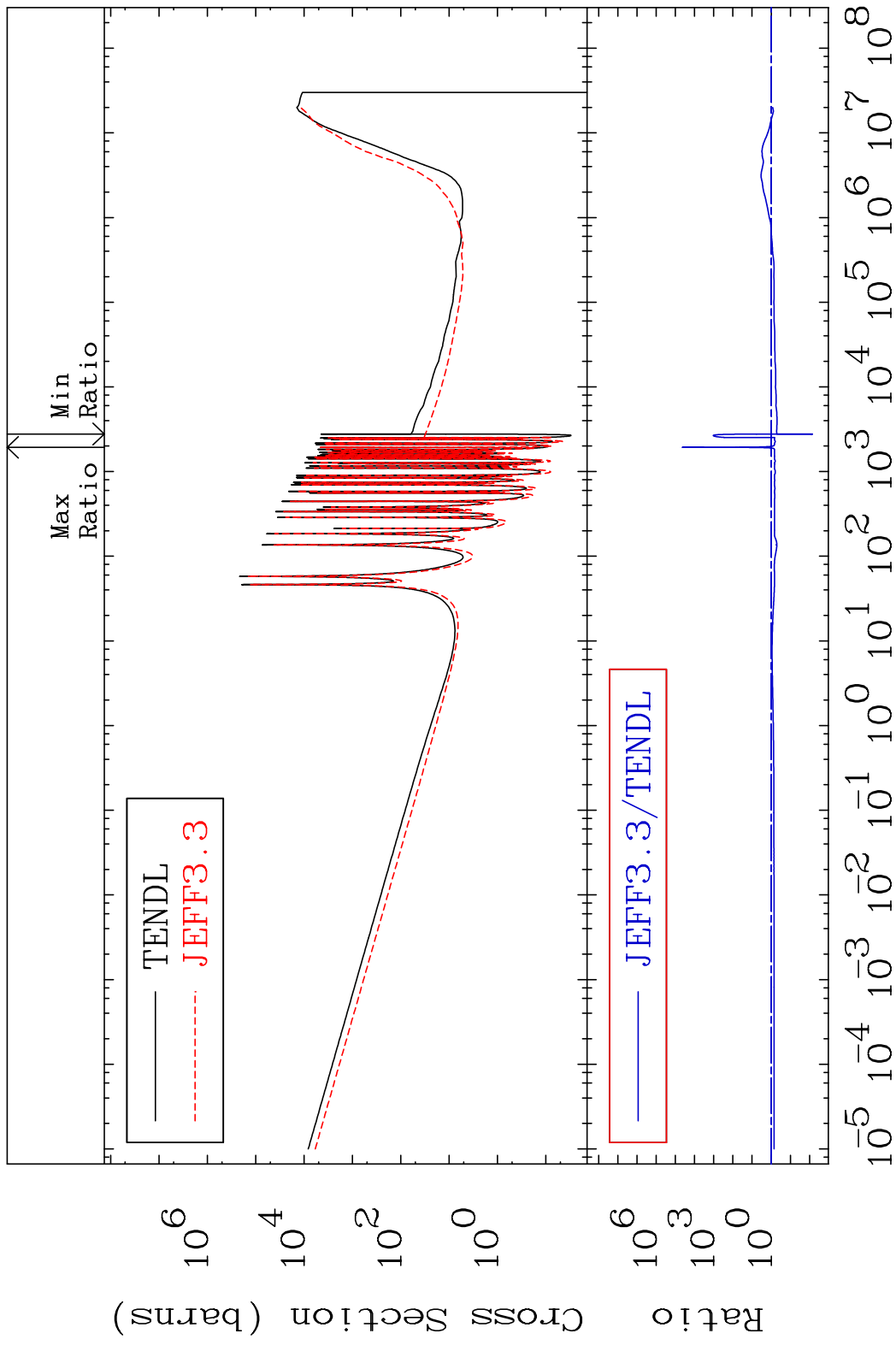


MAT 5625      Dpa inelastic (mt51-91)      56-Ba-130  
 Cross Section      -66.74 To 9999. %





MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130  
 Cross Section -99.30 To 9999. %



40 Incident Energy (eV) 56-Ba-130