

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)

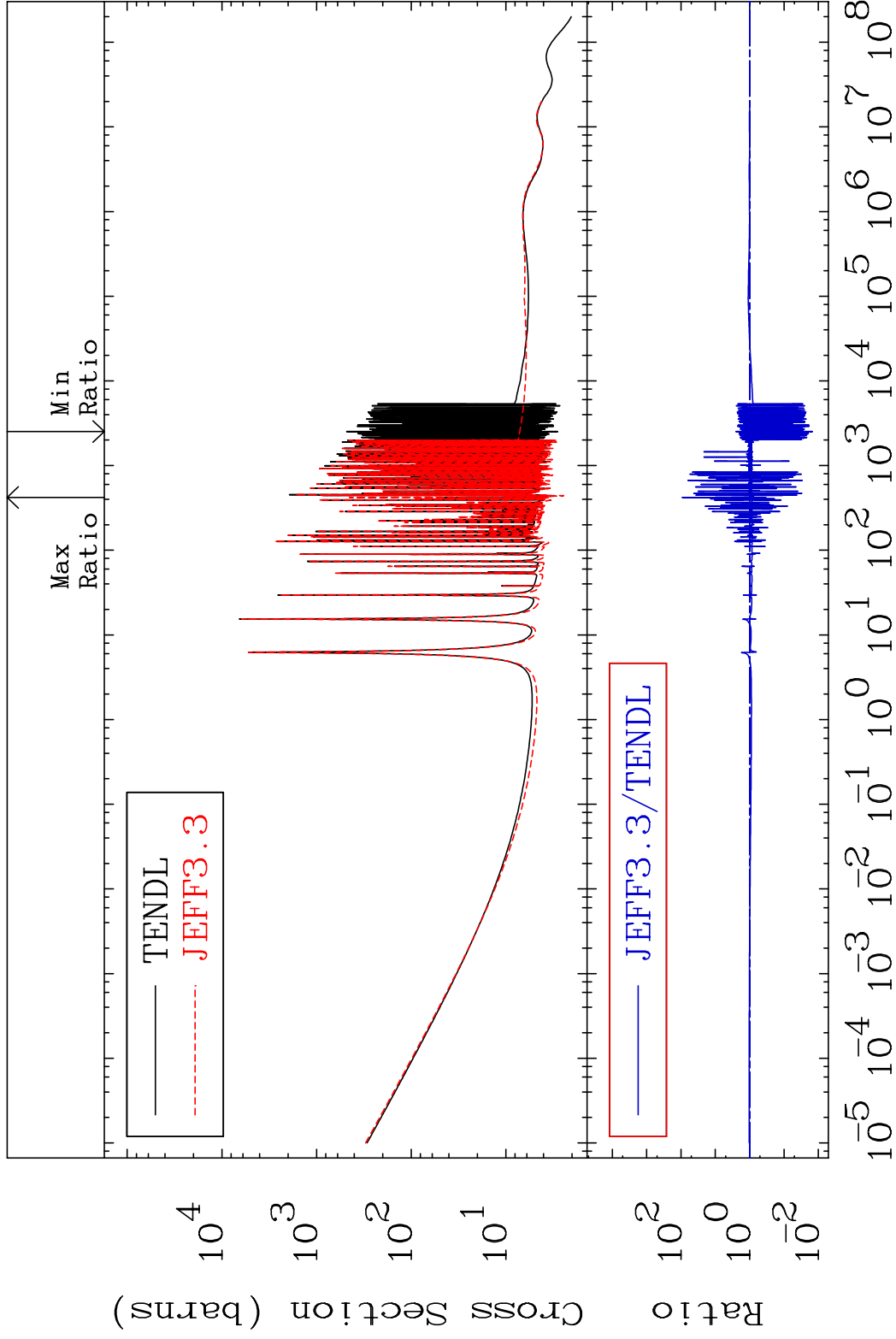
Press Mouse Button to Start

MAT 5125

Total

51-Sb-121

Cross Section -98.53 To 9034. %



1

Incident Energy (eV)

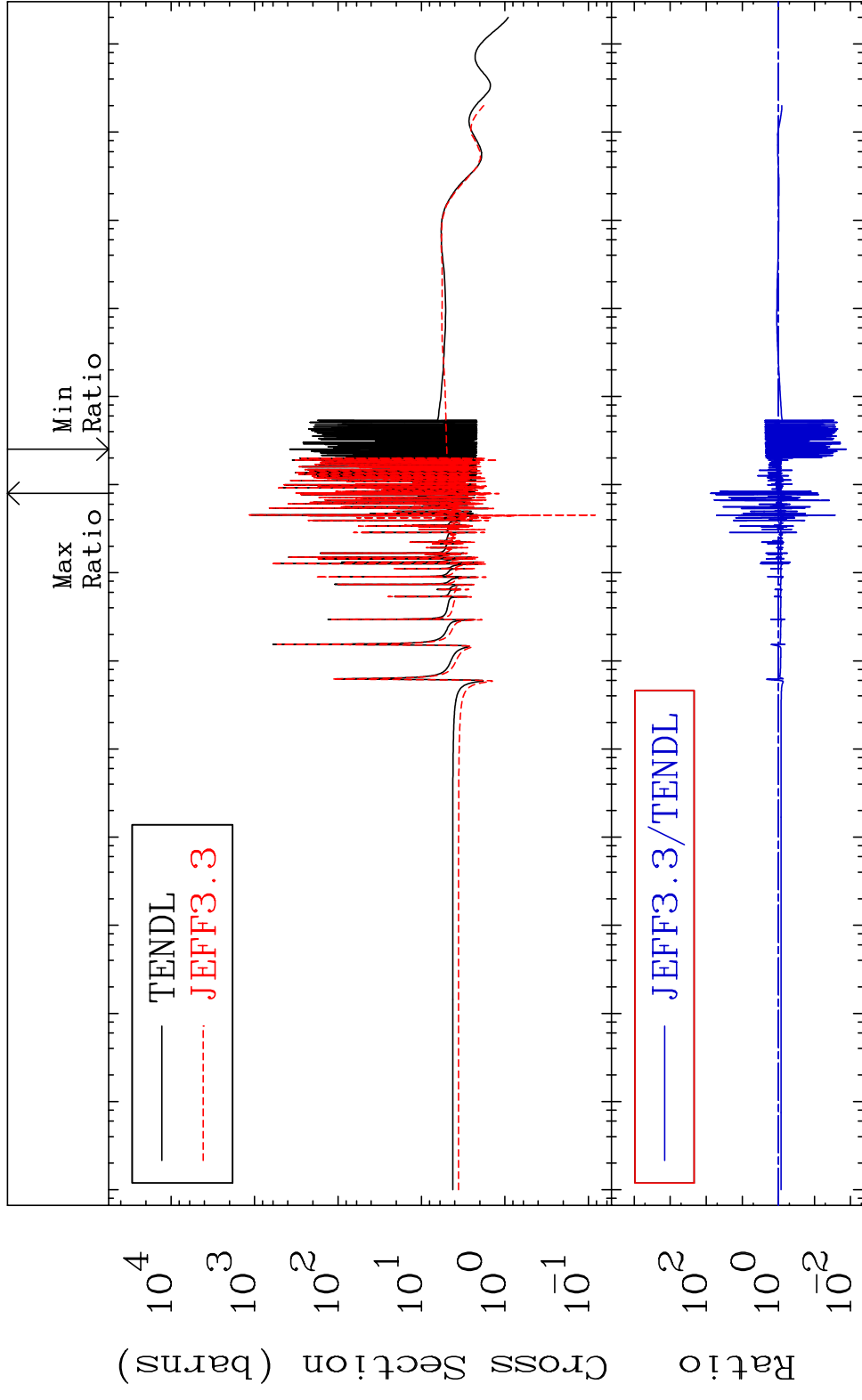
51-Sb-121

MAT 5125

Elastic

51-Sb-121

Cross Section -98.69 To 7437. %



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

51-Sb-121

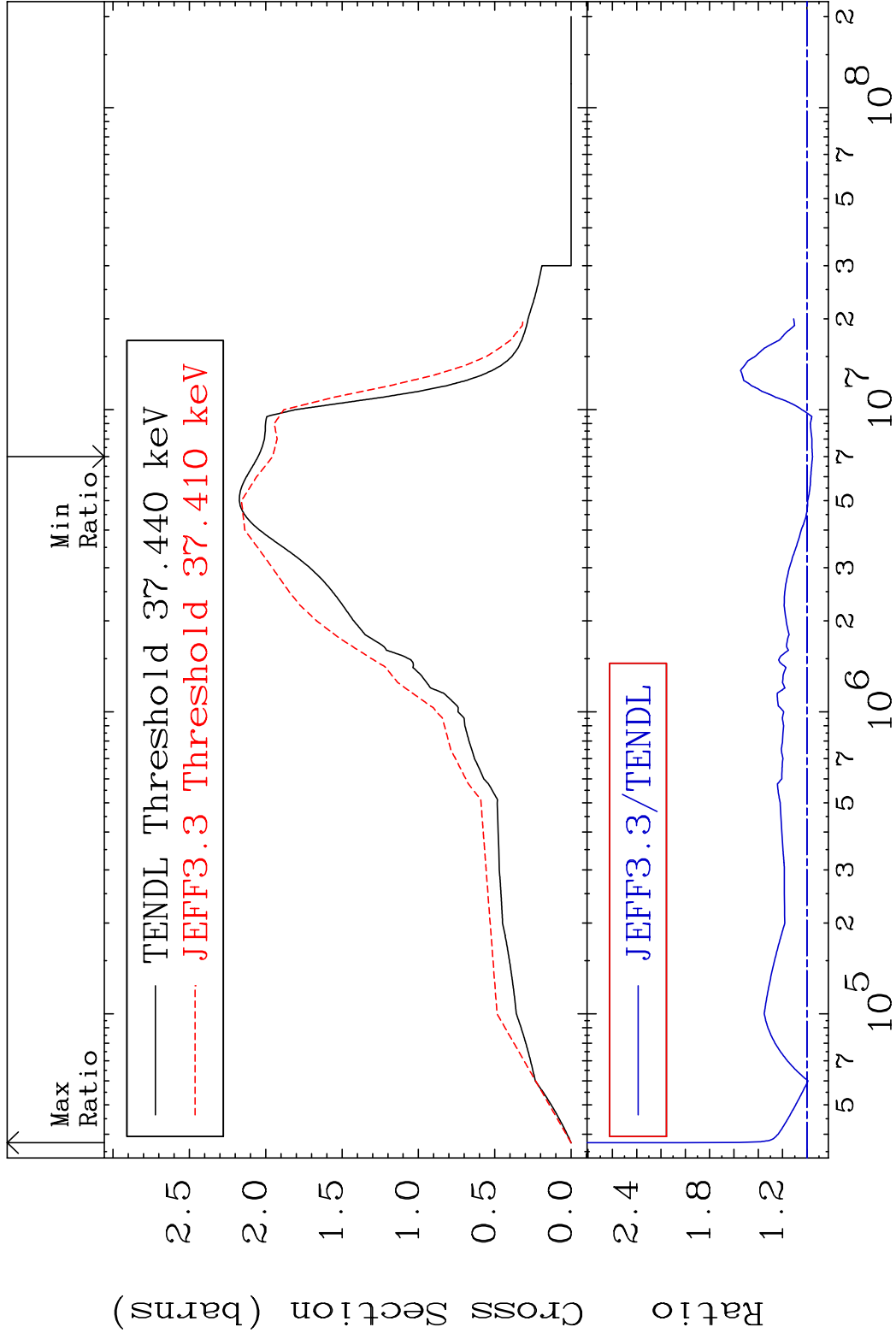
MAT 5125

Inelastic

51-Sb-121

Cross Section

-4.657 To 102.4 %



3

Incident Energy (eV)

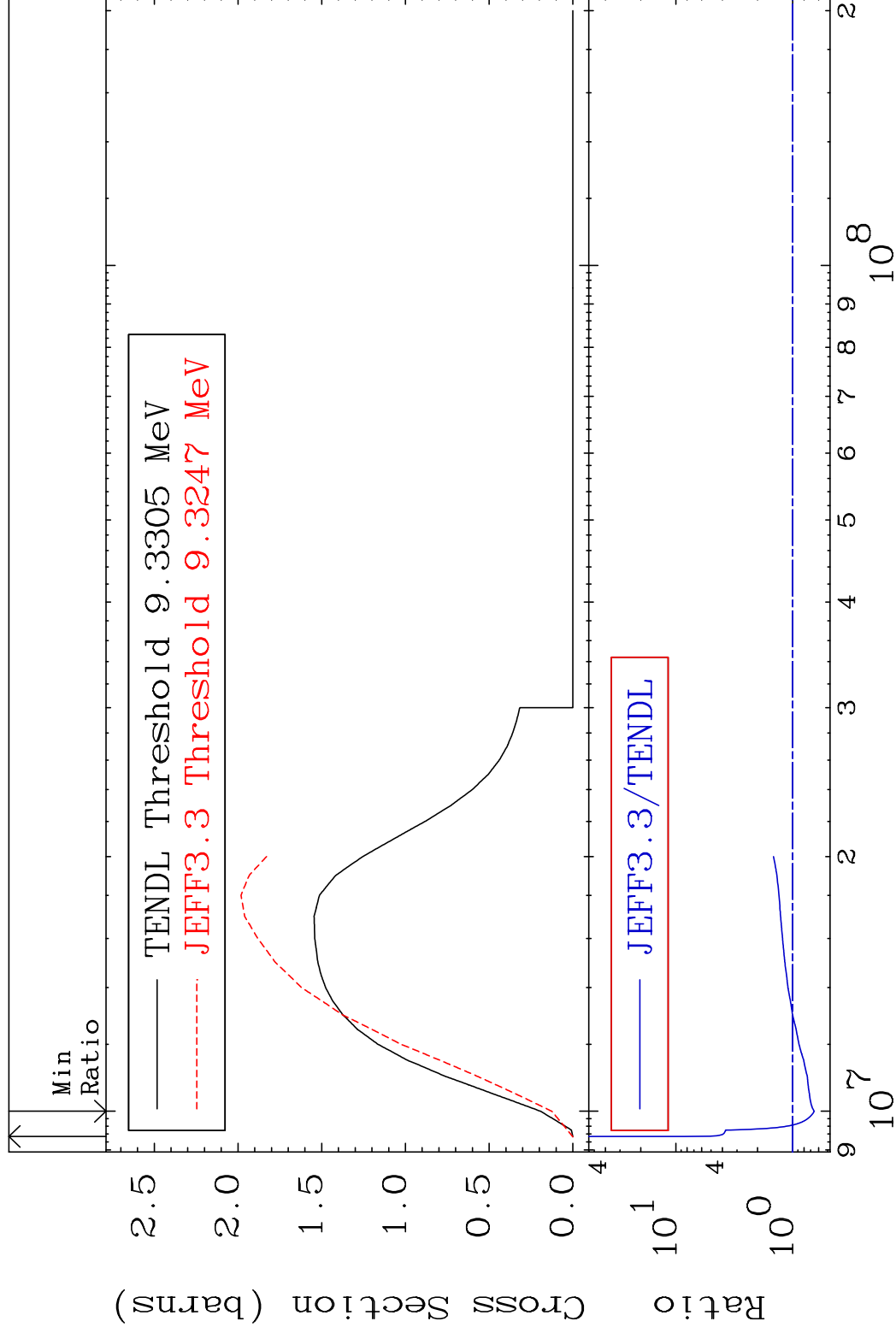
51-Sb-121

MAT 5125

(n,2n)

51-Sb-121

Cross Section -34.68 To 750.3 %



4

Incident Energy (eV)

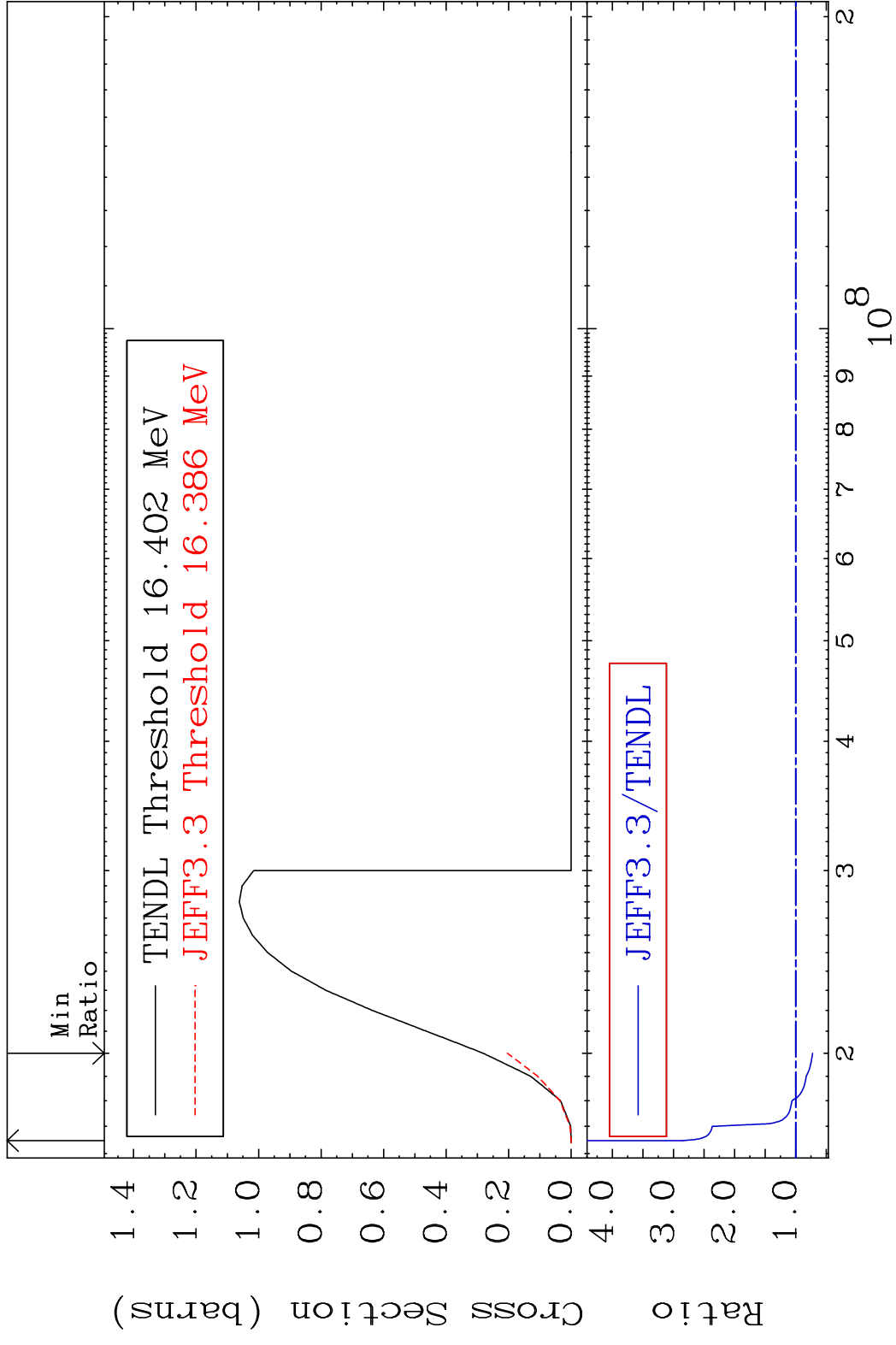
51-Sb-121

MAT 5125

(n,3n)

51-Sb-121

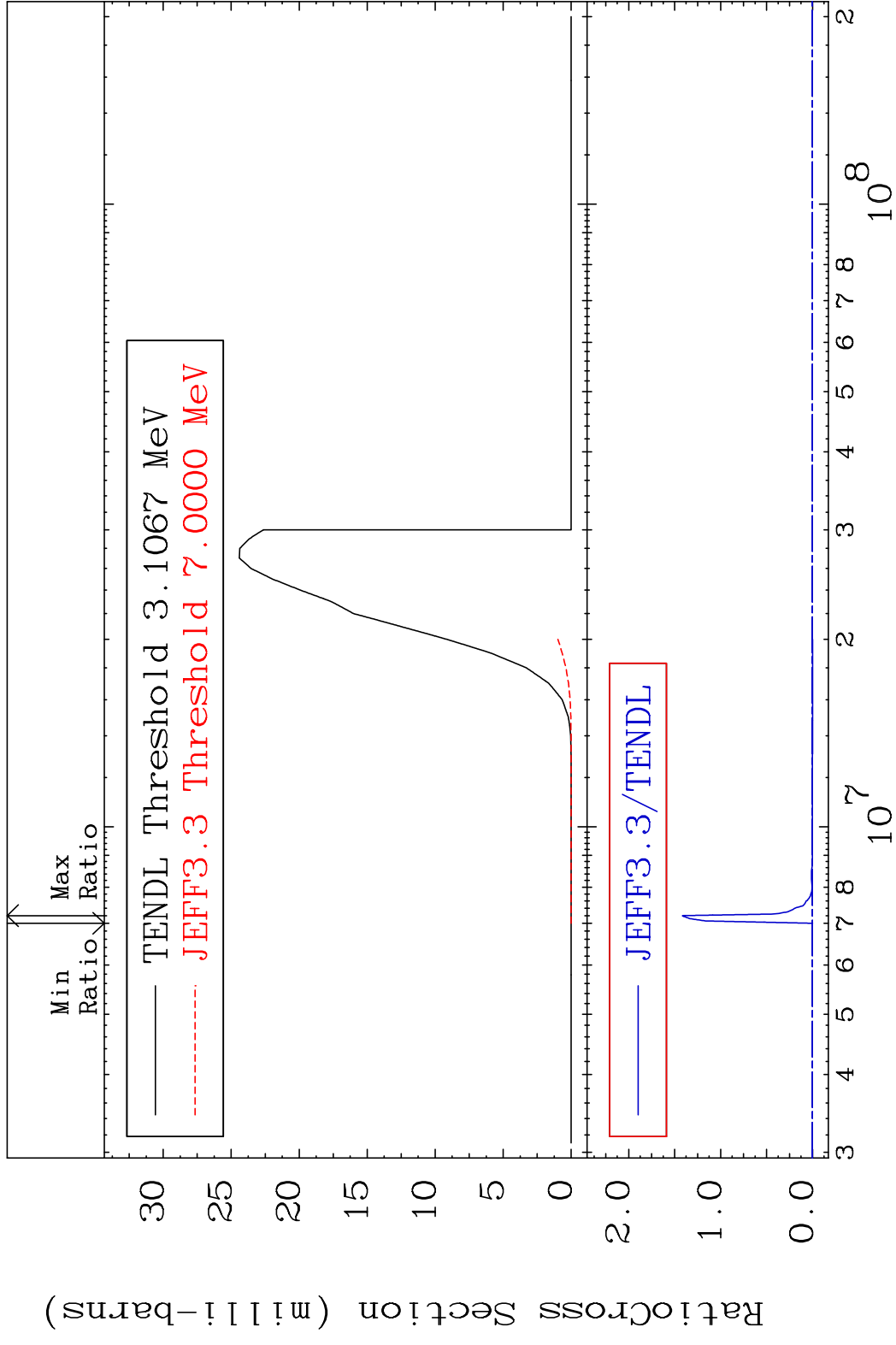
Cross Section -27.53 To 185.5 %



MAT 5125

(n, n')  $\alpha$  51-Sb-121

Cross Section -100.0 To 9999. %

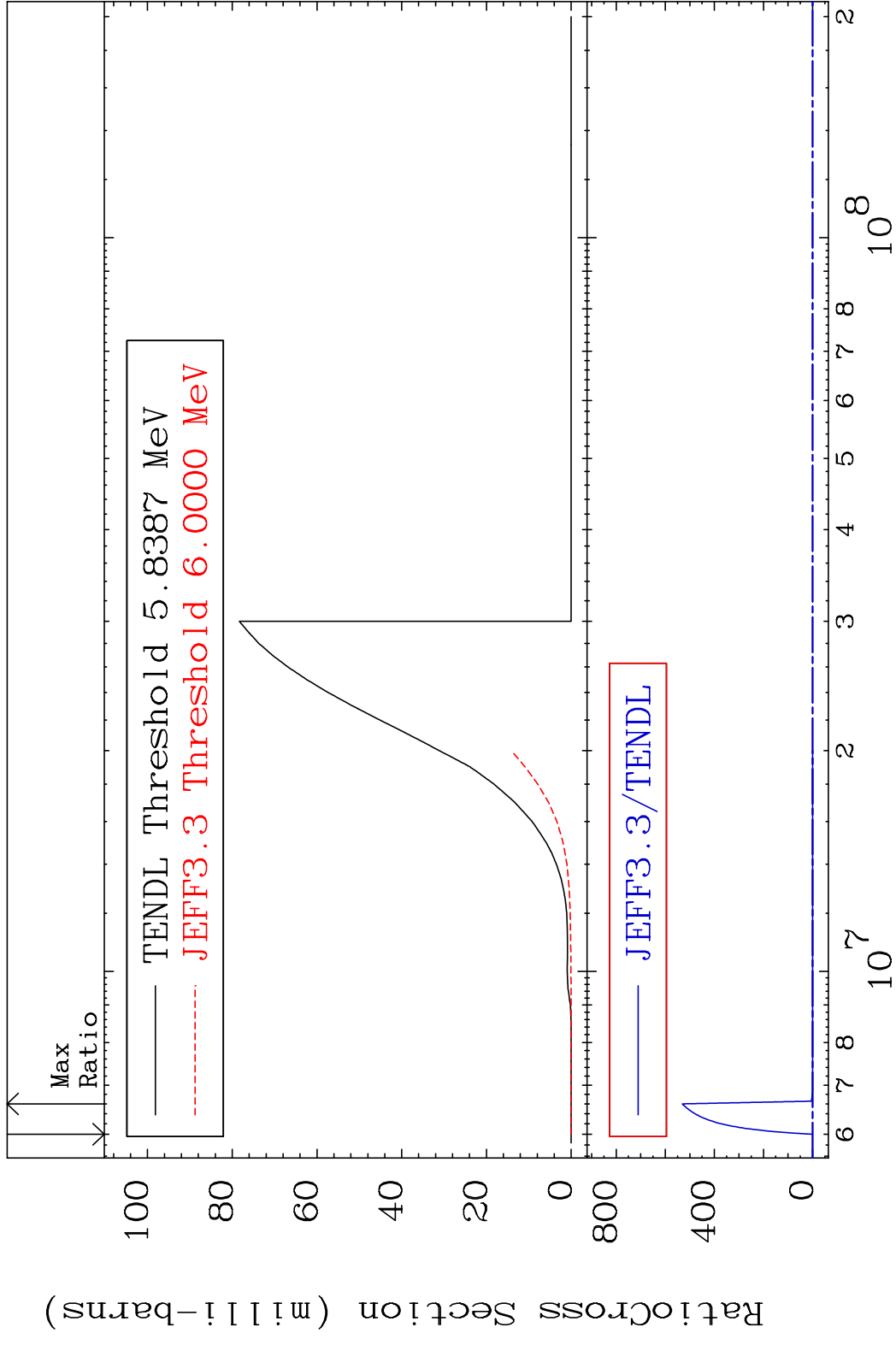


MAT 5125

(n, n') p

51-Sb-121

Cross Section -100.0 To 9999. %



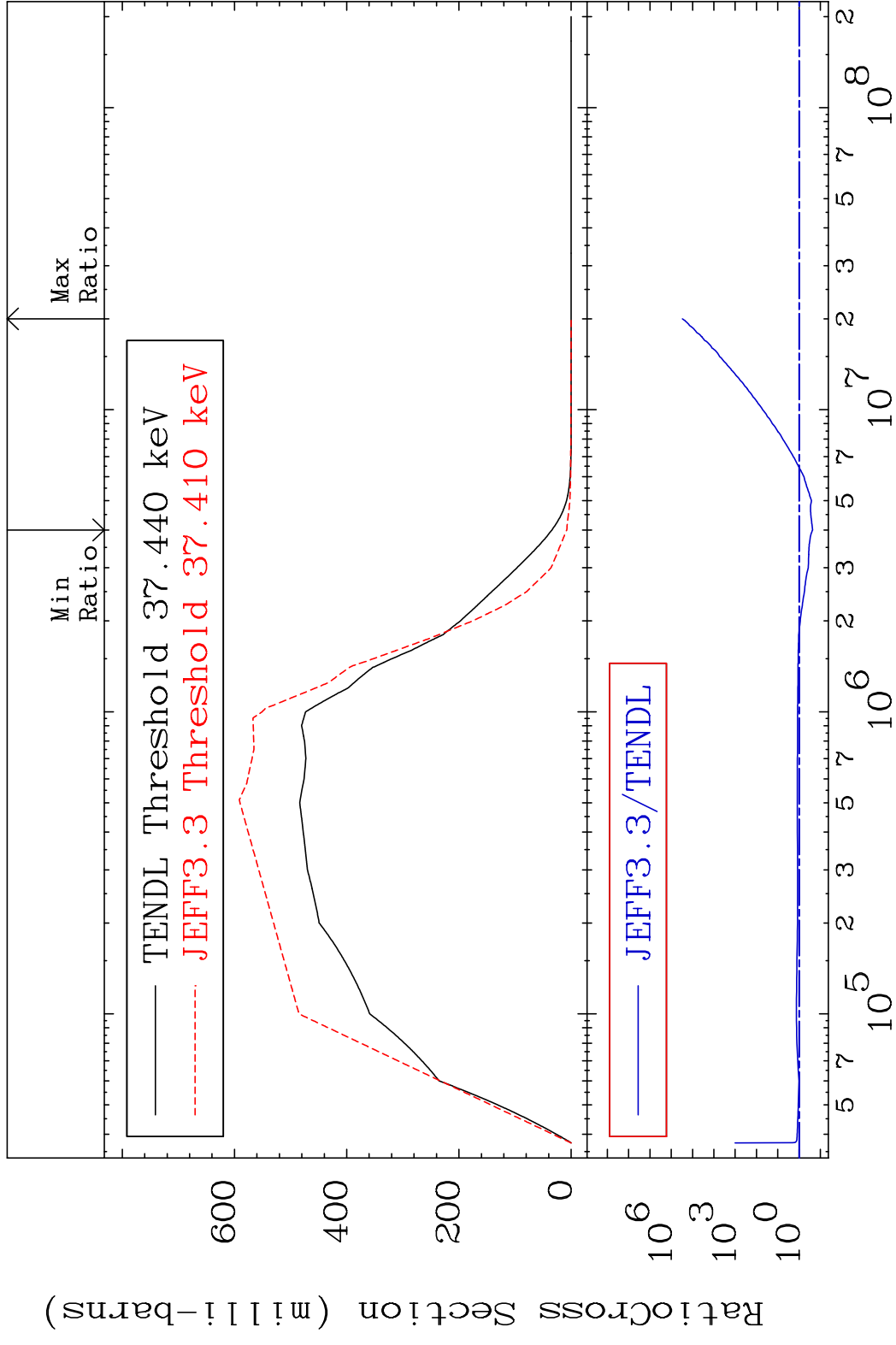
7

Incident Energy (eV)

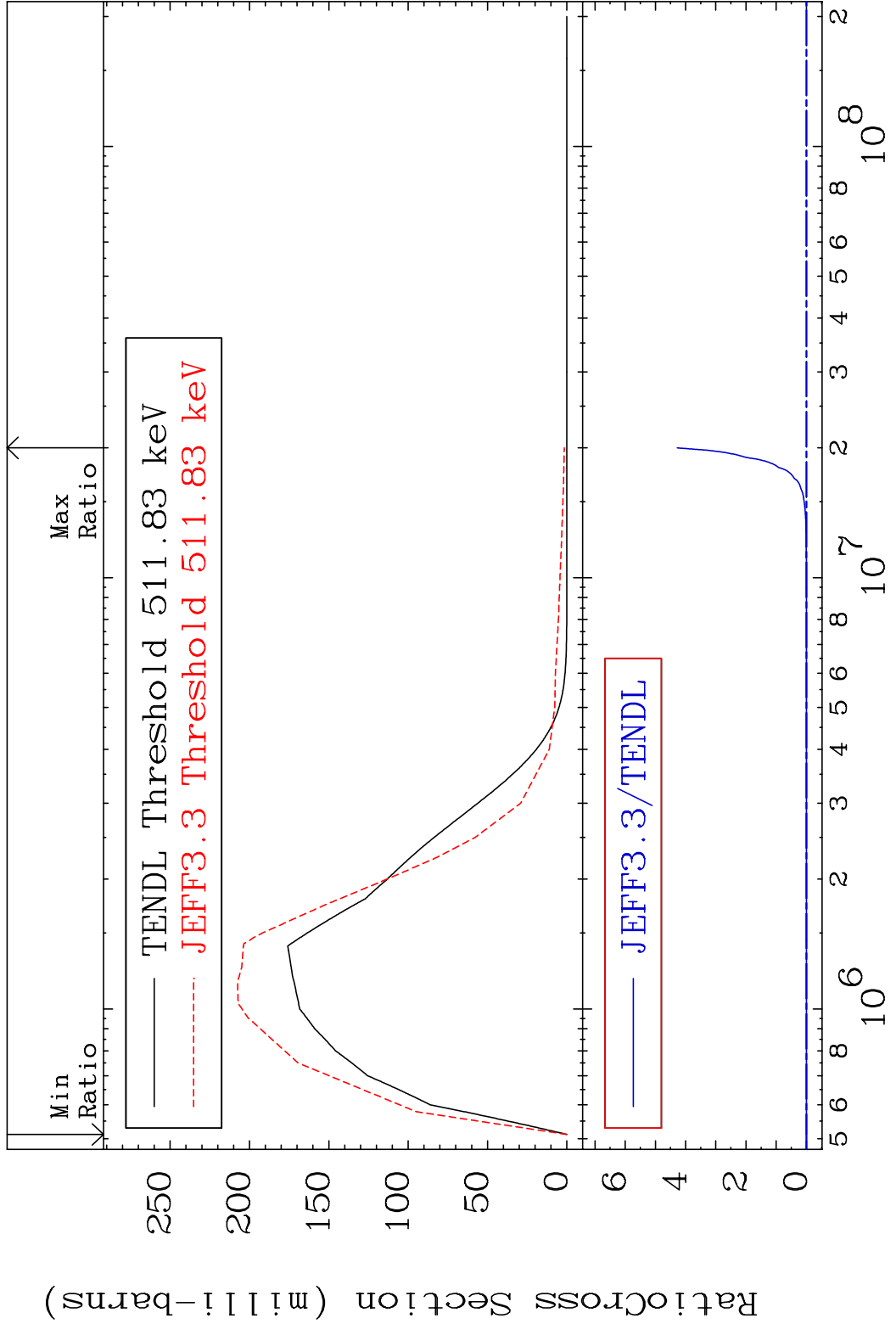
51-Sb-121



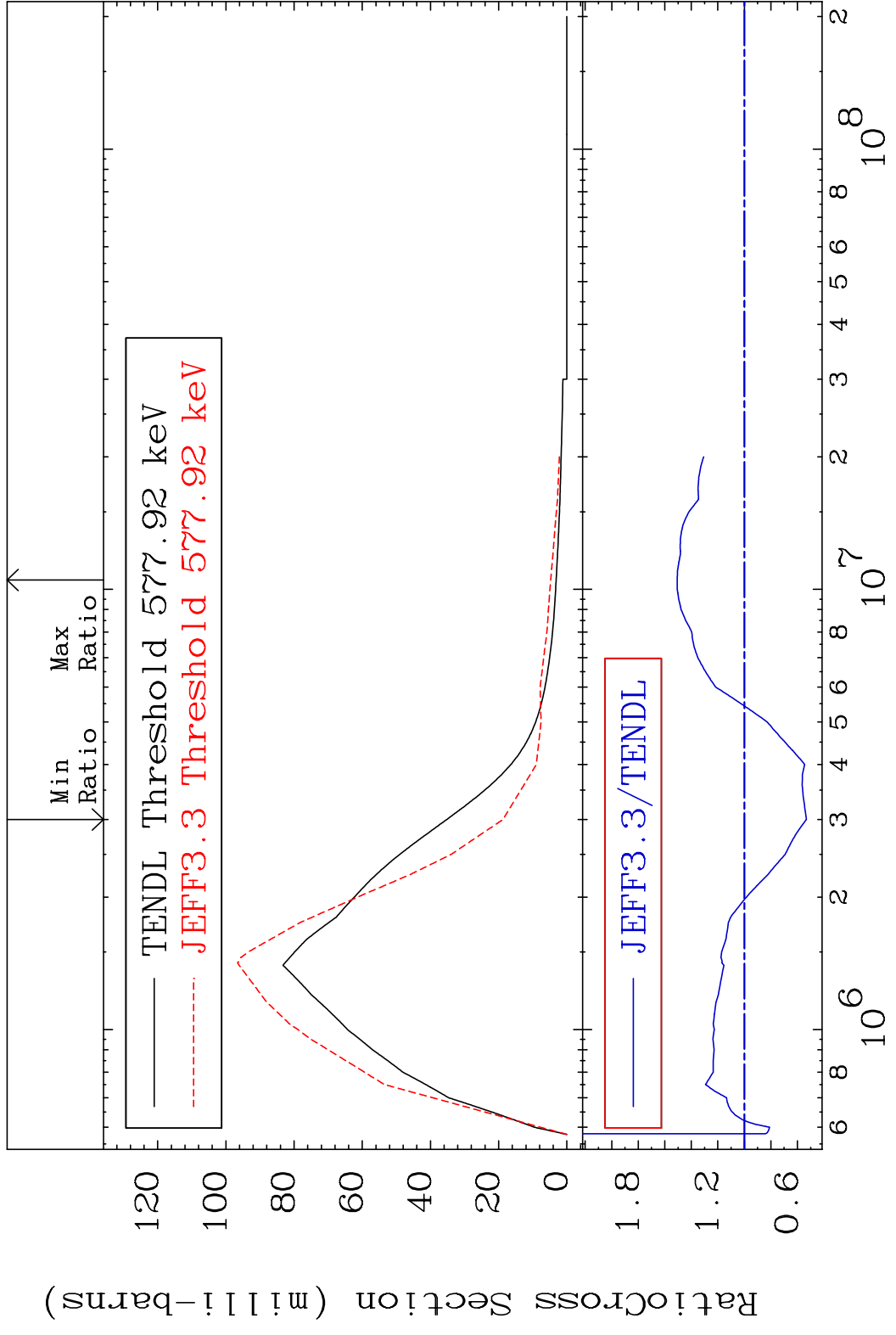
MAT 5125 MT= 51 (n, n') Level 51-Sb-121  
 Cross Section -76.58 To 9999. %



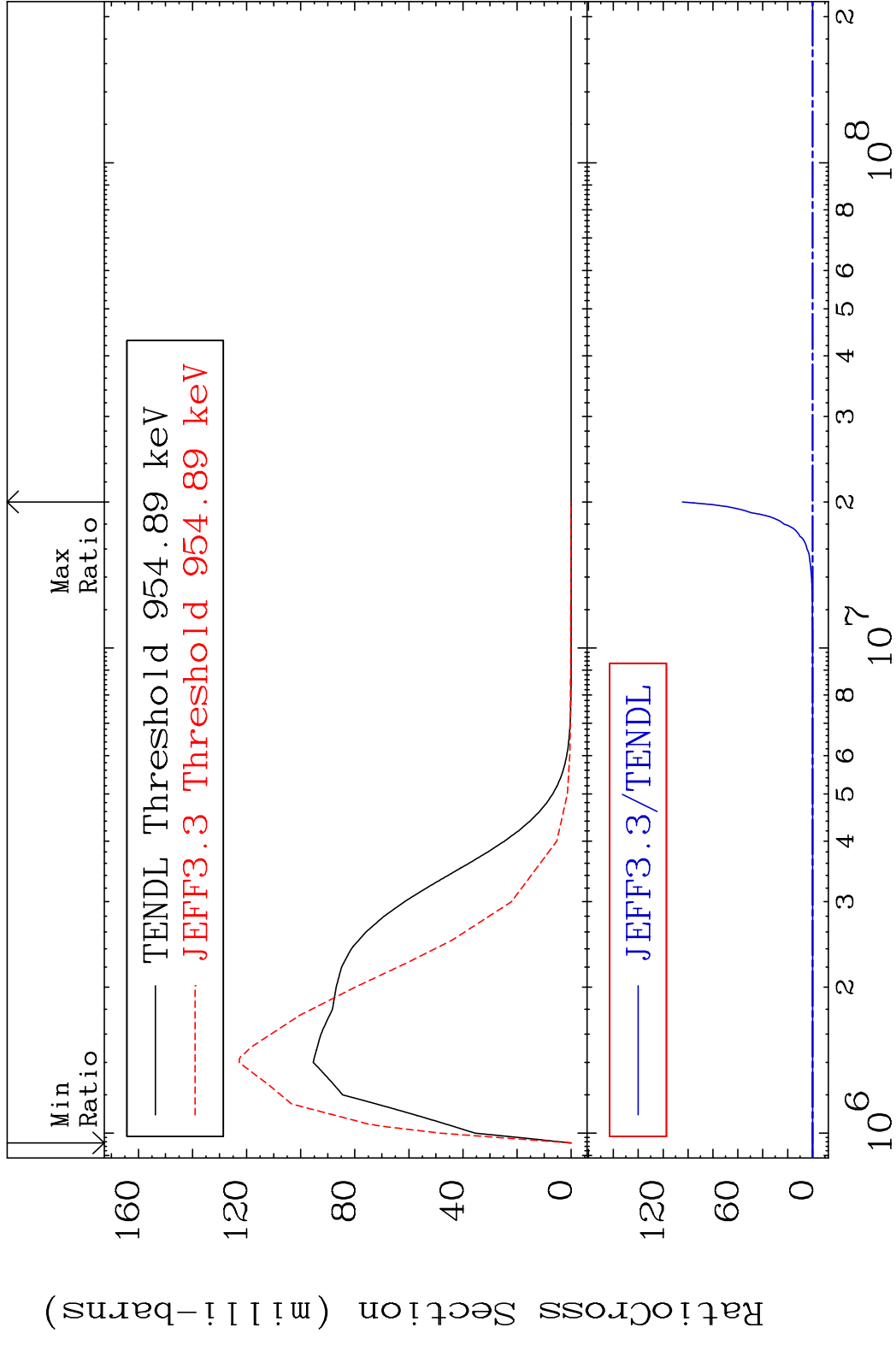
MAT 5125 MT= 52 (n, n') Level 51-Sb-121  
 Cross Section -100.0 To 9999. %



MAT 5125 MT= 53 (n, n') Level 51-Sb-121  
 Cross Section -46.77 To 50.64 %

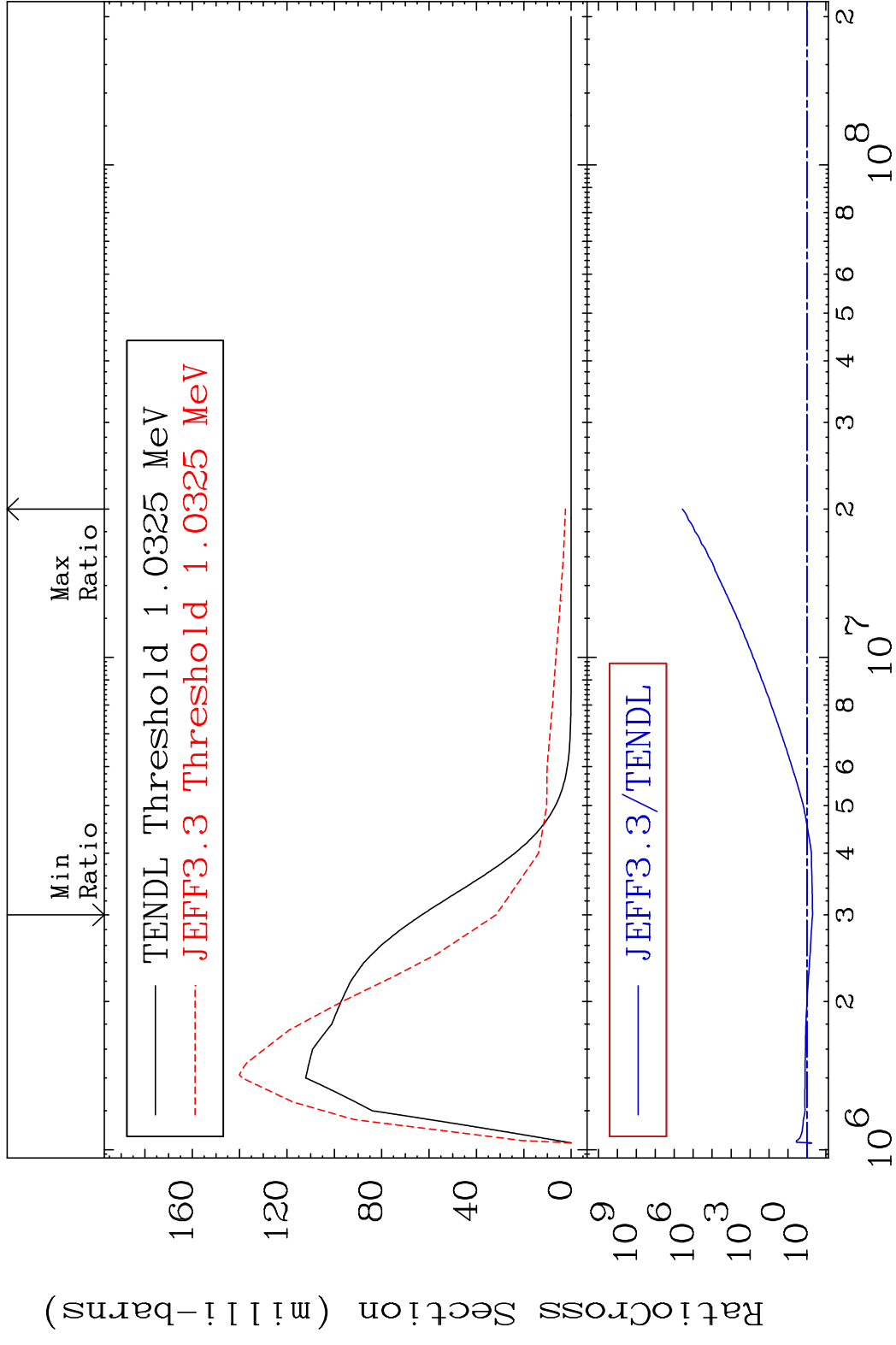


MAT 5125 MT= 54 (n, n') Level 51-Sb-121  
Cross Section -100.0 To 9999. %



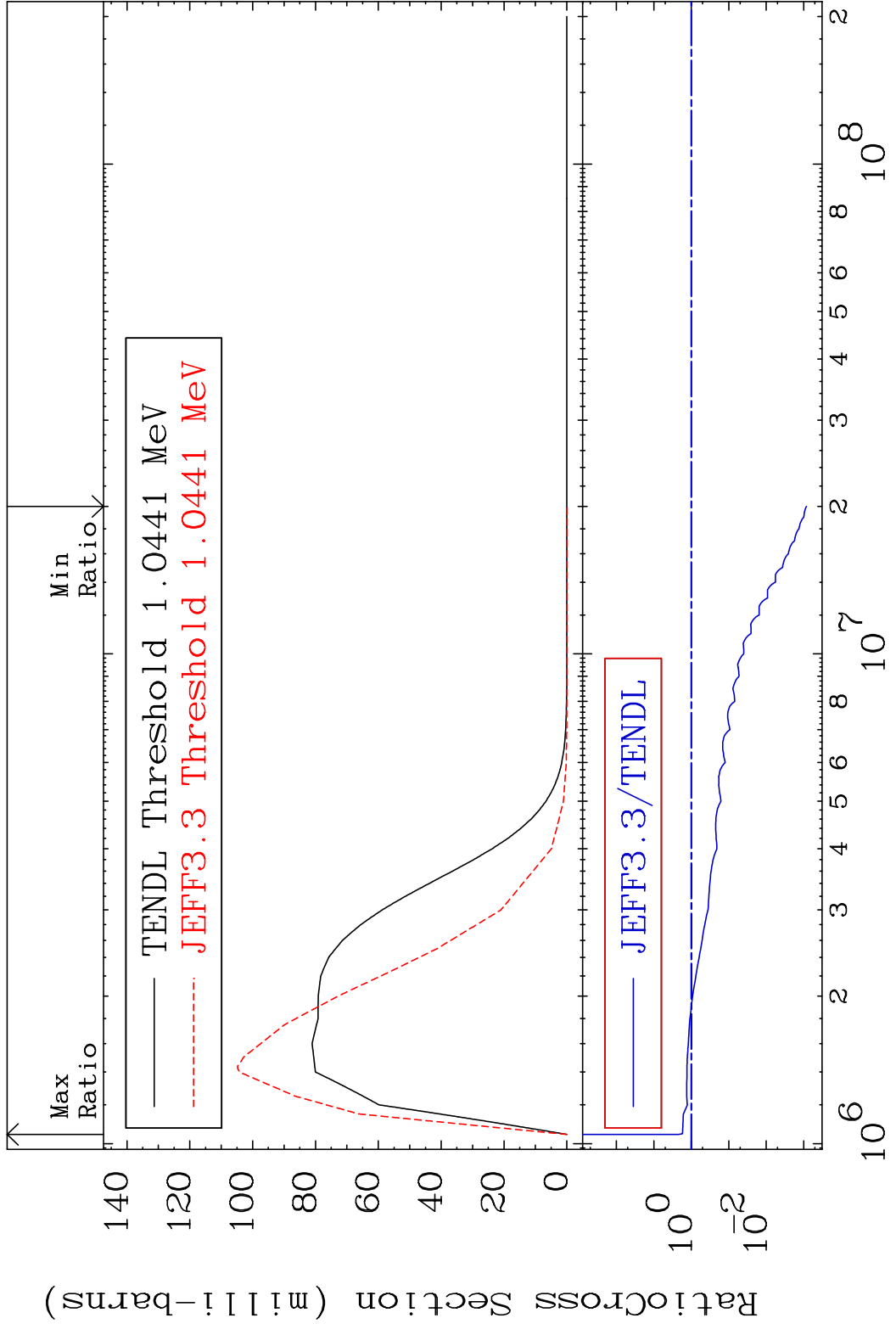
11 Incident Energy (eV) 51-Sb-121

MAT 5125 MT= 55 (n, n') Level 51-Sb-121  
 Cross Section -49.71 To 9999. %

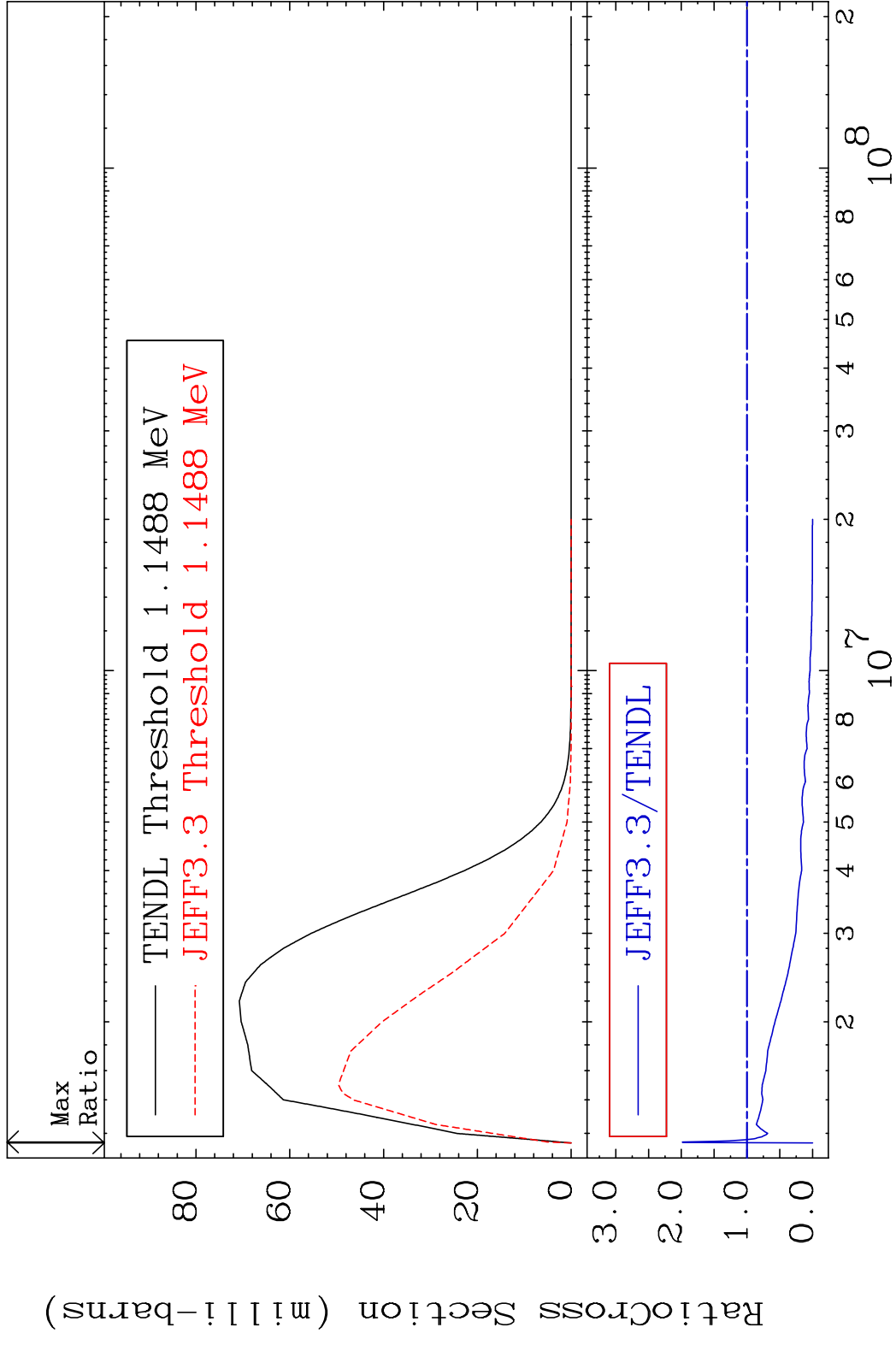


12 Incident Energy (eV) 51-Sb-121

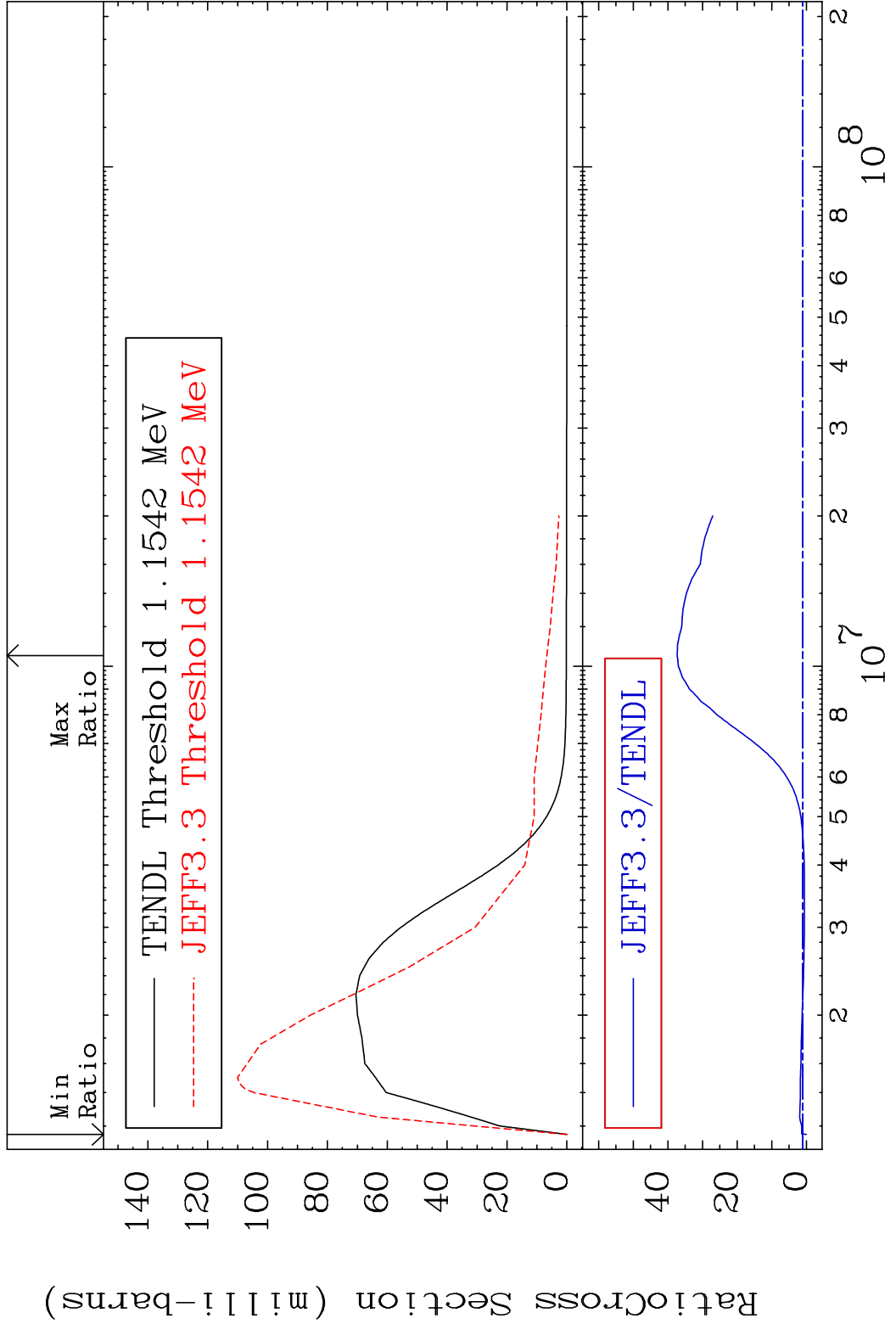
MAT 5125 MT= 56 (n, n') Level 51-Sb-121  
 Cross Section -99.92 To 138.5 %



MAT 5125 MT= 57 (n,n') Level 51-Sb-121  
 Cross Section -100.0 To 98.46 %

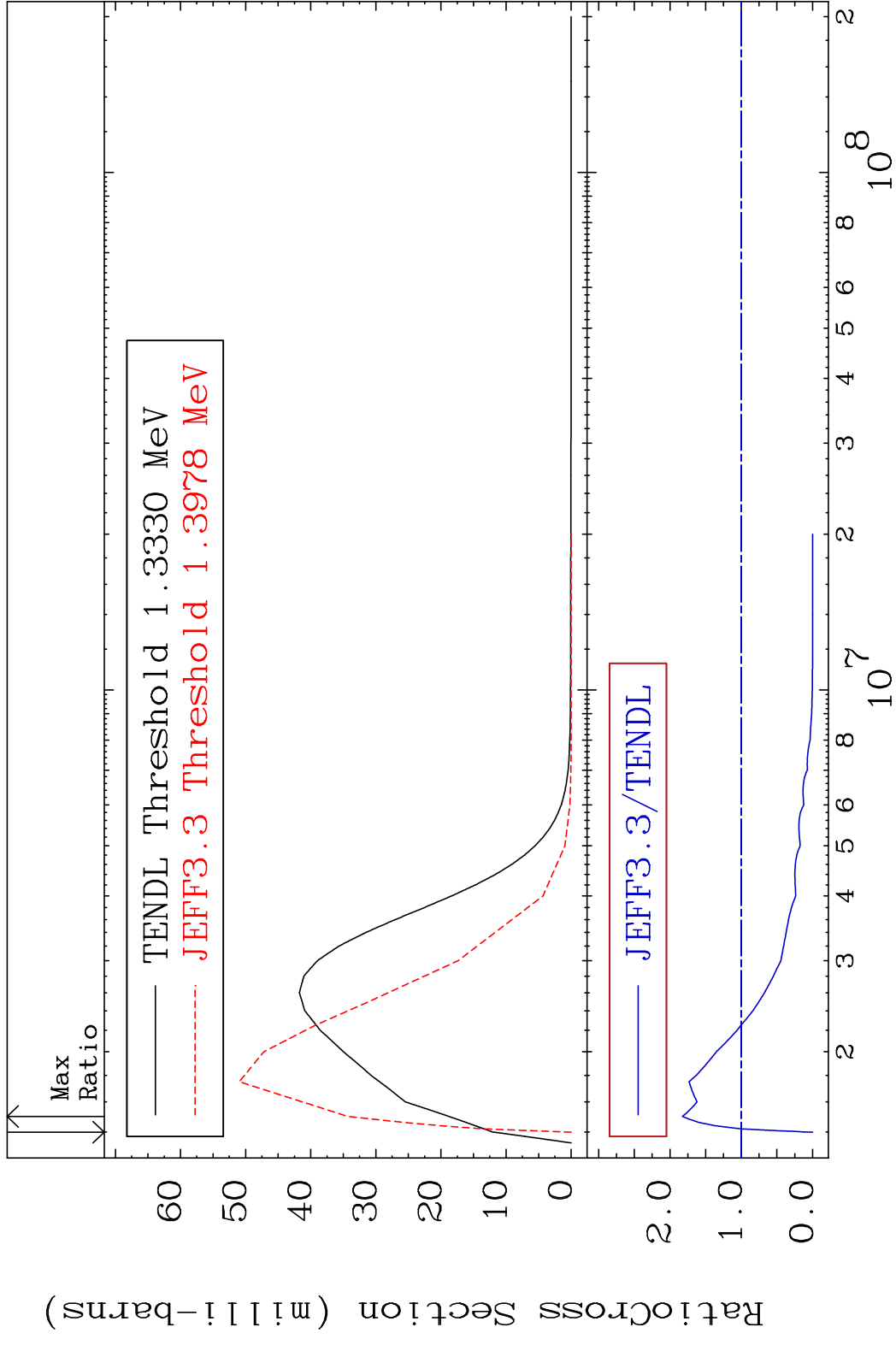


MAT 5125 MT= 58 (n, n') Level 51-Sb-121  
 Cross Section -100.0 To 3632. %

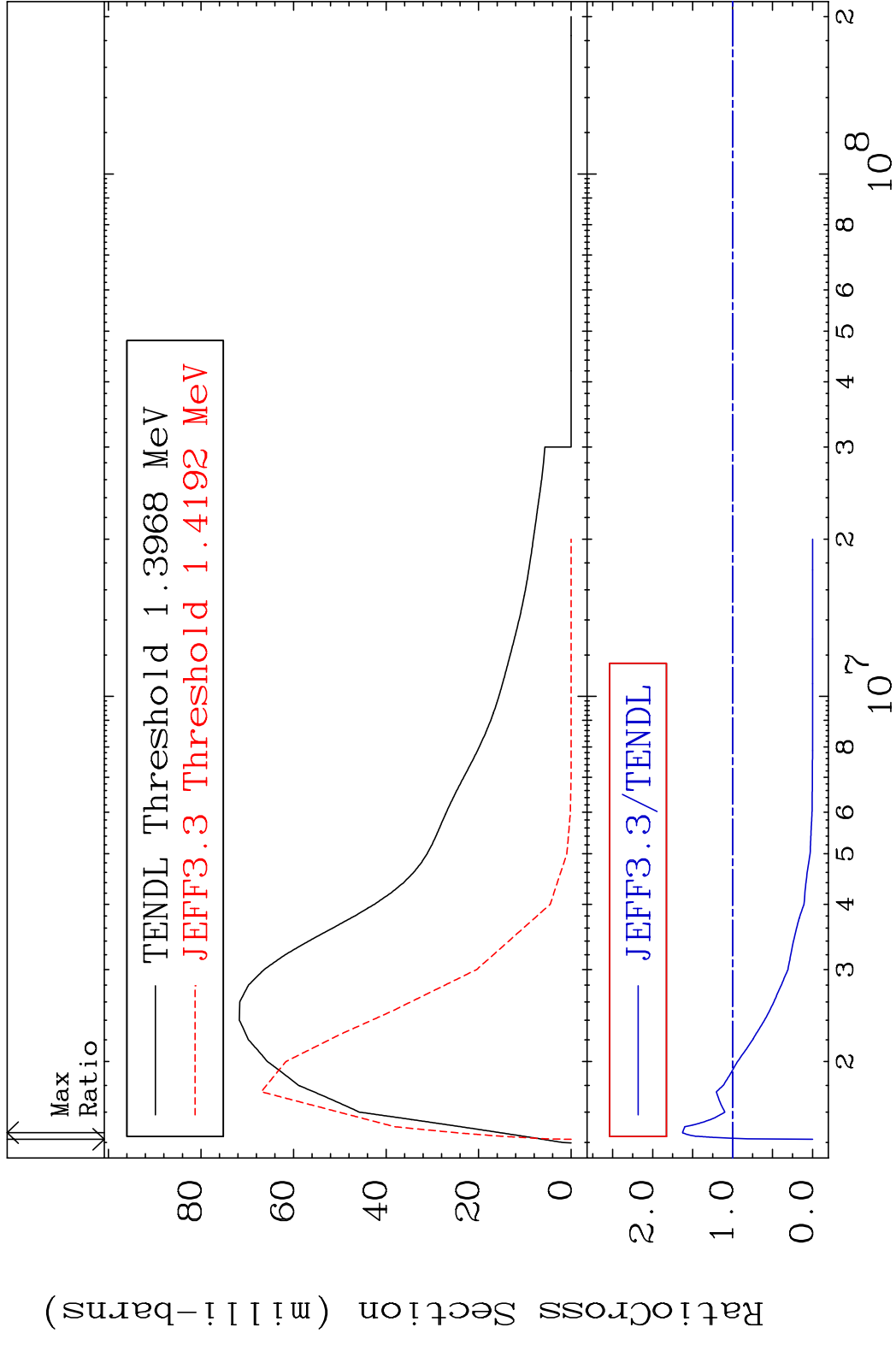




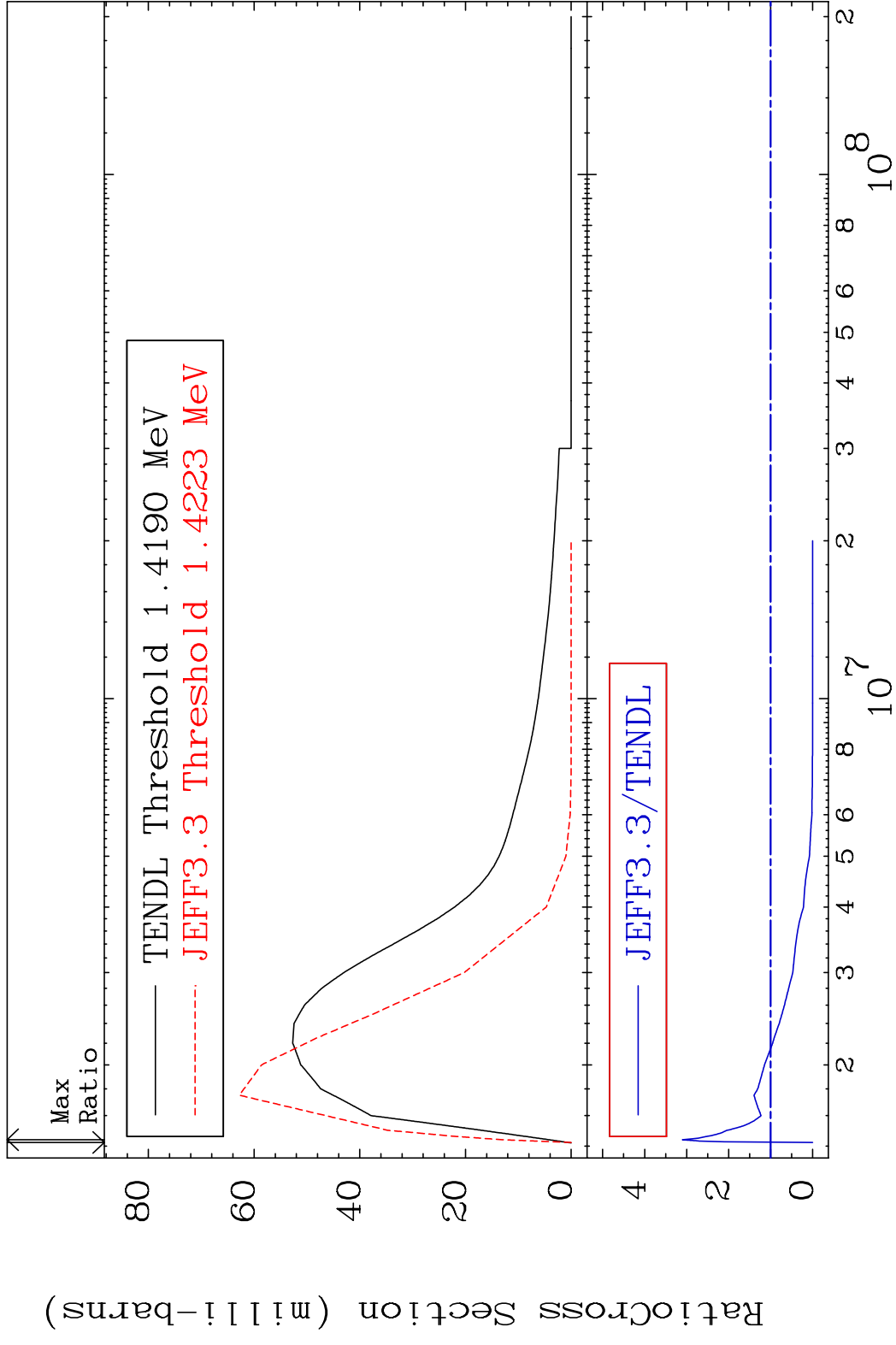
MAT 5125 MT= 59 (n, n') Level 51-Sb-121  
 Cross Section -100.0 To 82.65 %



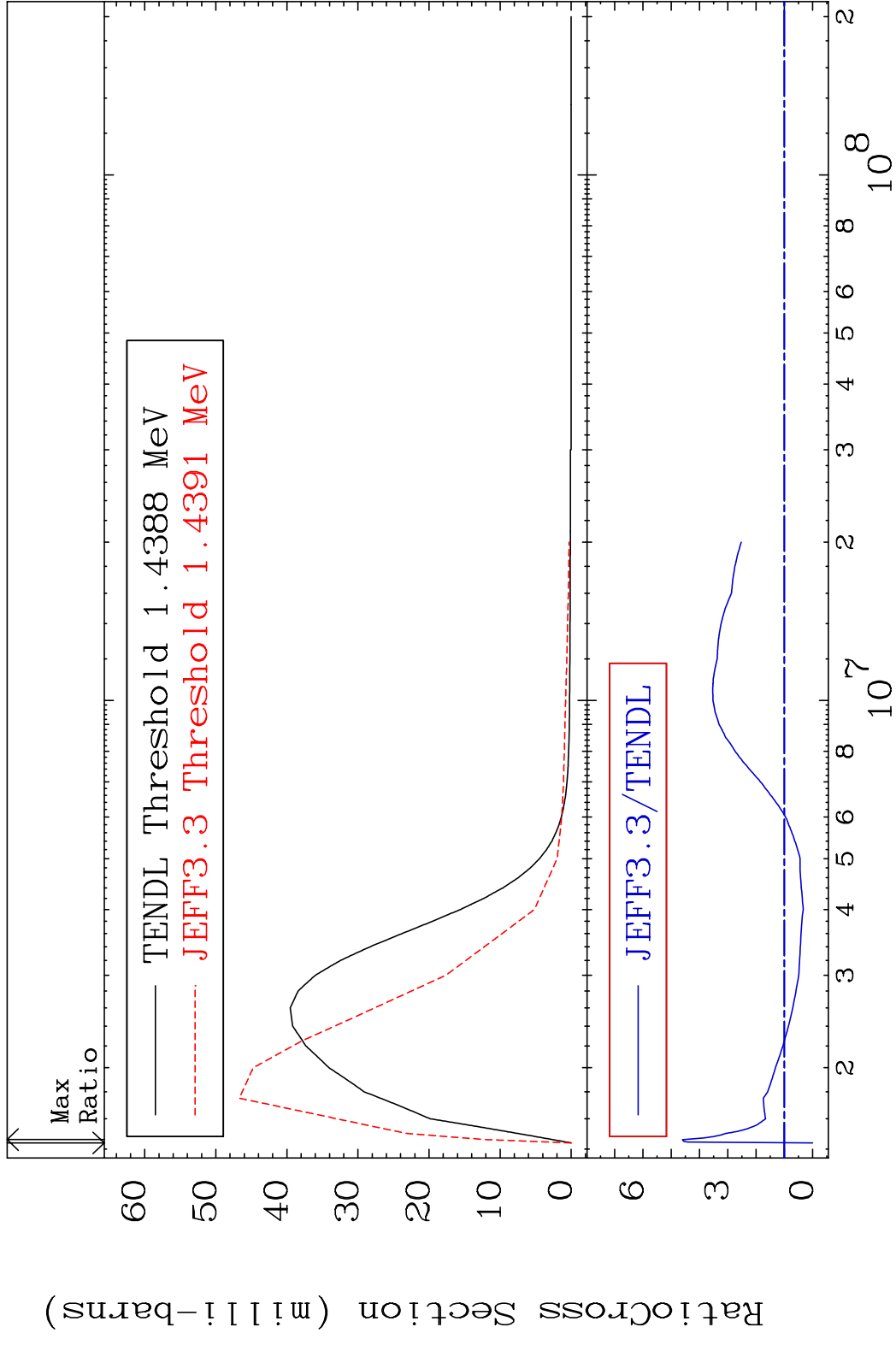
MAT 5125 MT= 60 (n, n') Level 51-Sb-121  
 Cross Section -100.0 To 62.83 %



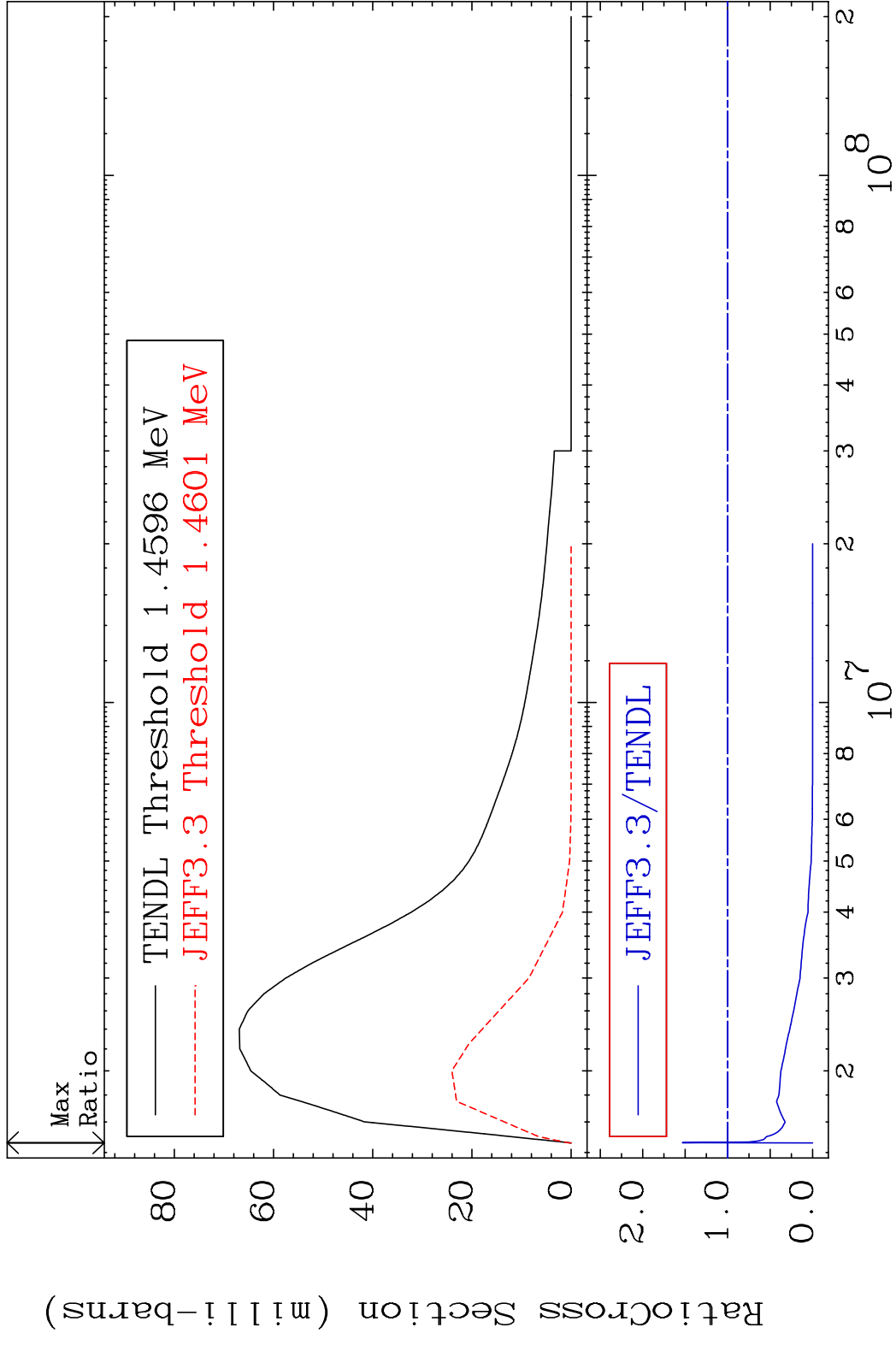
MAT 5125 MT= 61 (n, n') Level 51-Sb-121  
 Cross Section -100.0 To 210.2 %



MAT 5125 MT= 62 (n, n') Level 51-Sb-121  
 Cross Section -100.0 To 360.4 %



MAT 5125 MT= 63 (n, n') Level 51-Sb-121  
 Cross Section -100.0 To 53.36 %

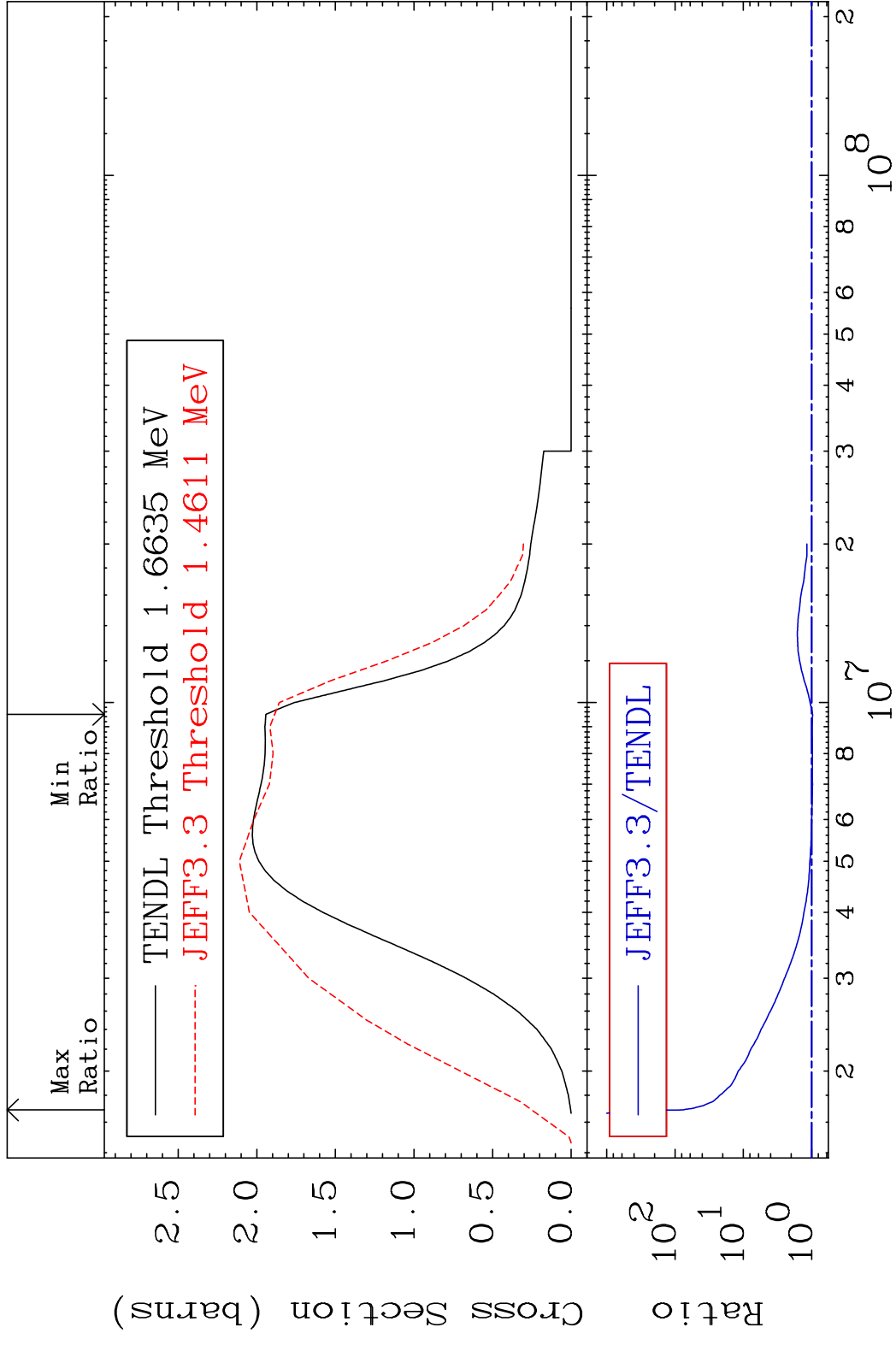


MAT 5125

(n, n') Continuum

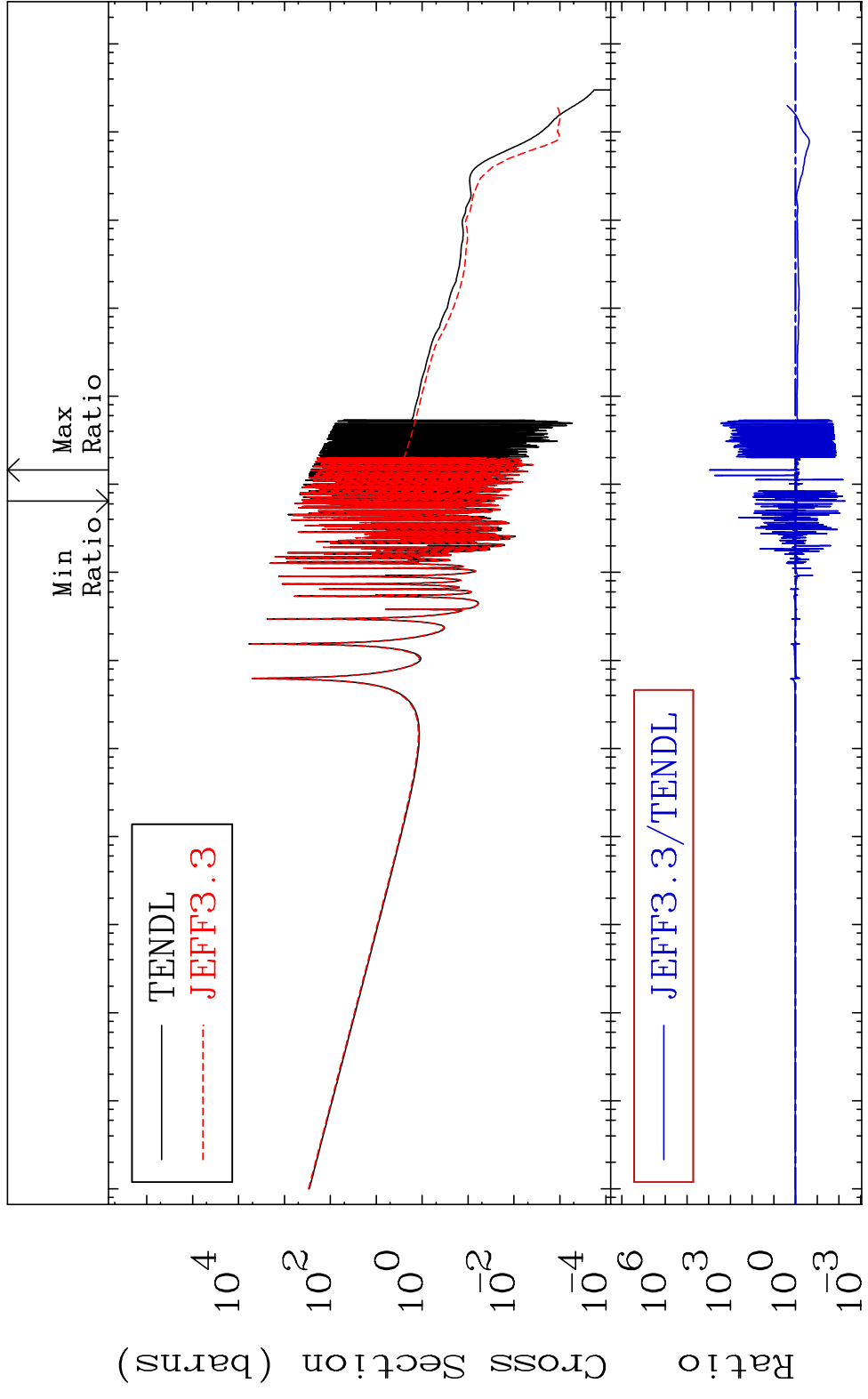
51-Sb-121

Cross Section -2.902 To 7721. %



MAT 5125

(n,  $\gamma$ )  
Cross Section -99.49 To 9999. %  
51-Sb-121

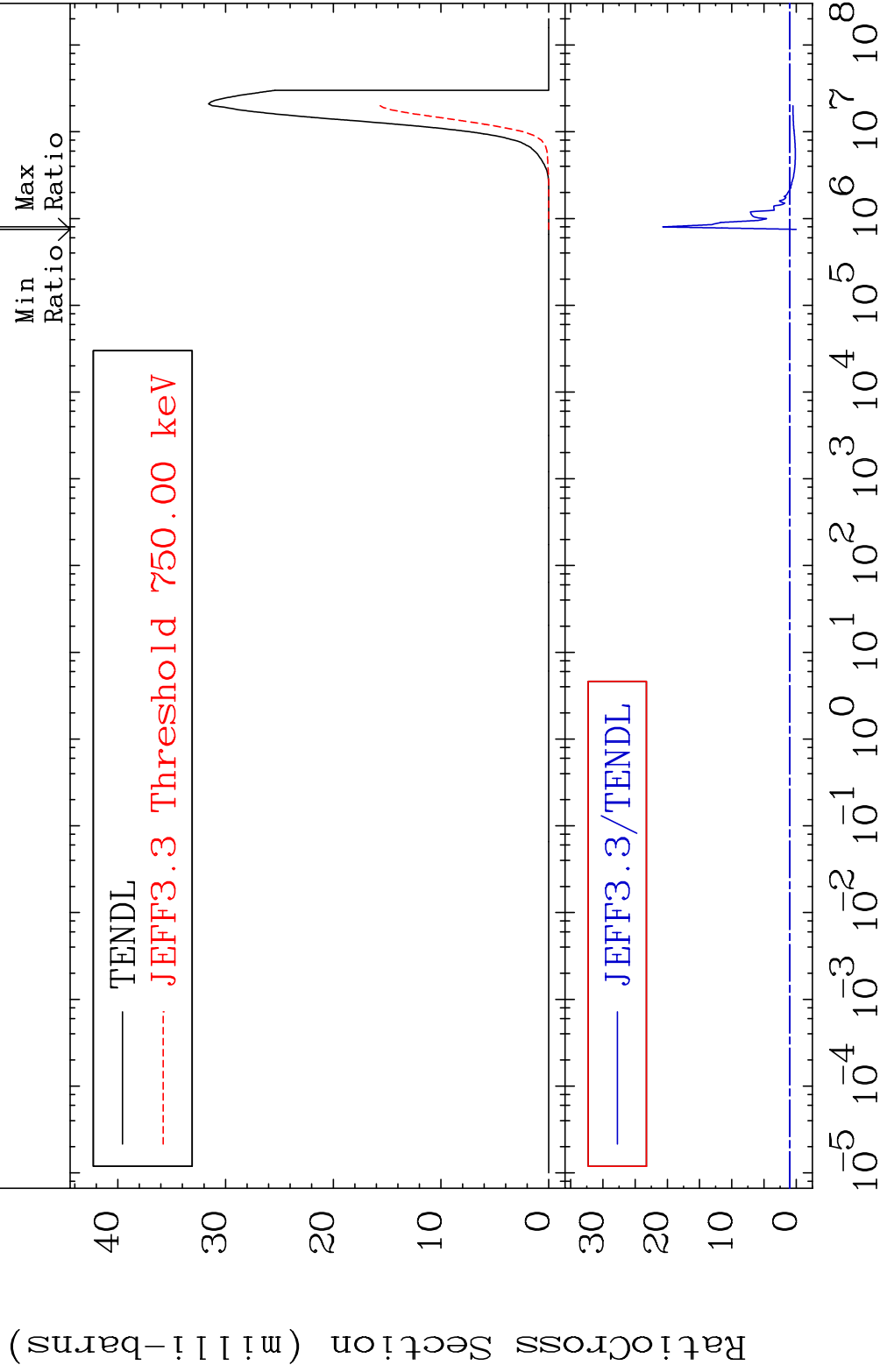


MAT 5125

(n,p)

51-Sb-121

Cross Section -100.0 To 1972. %



23

Incident Energy (eV)

51-Sb-121

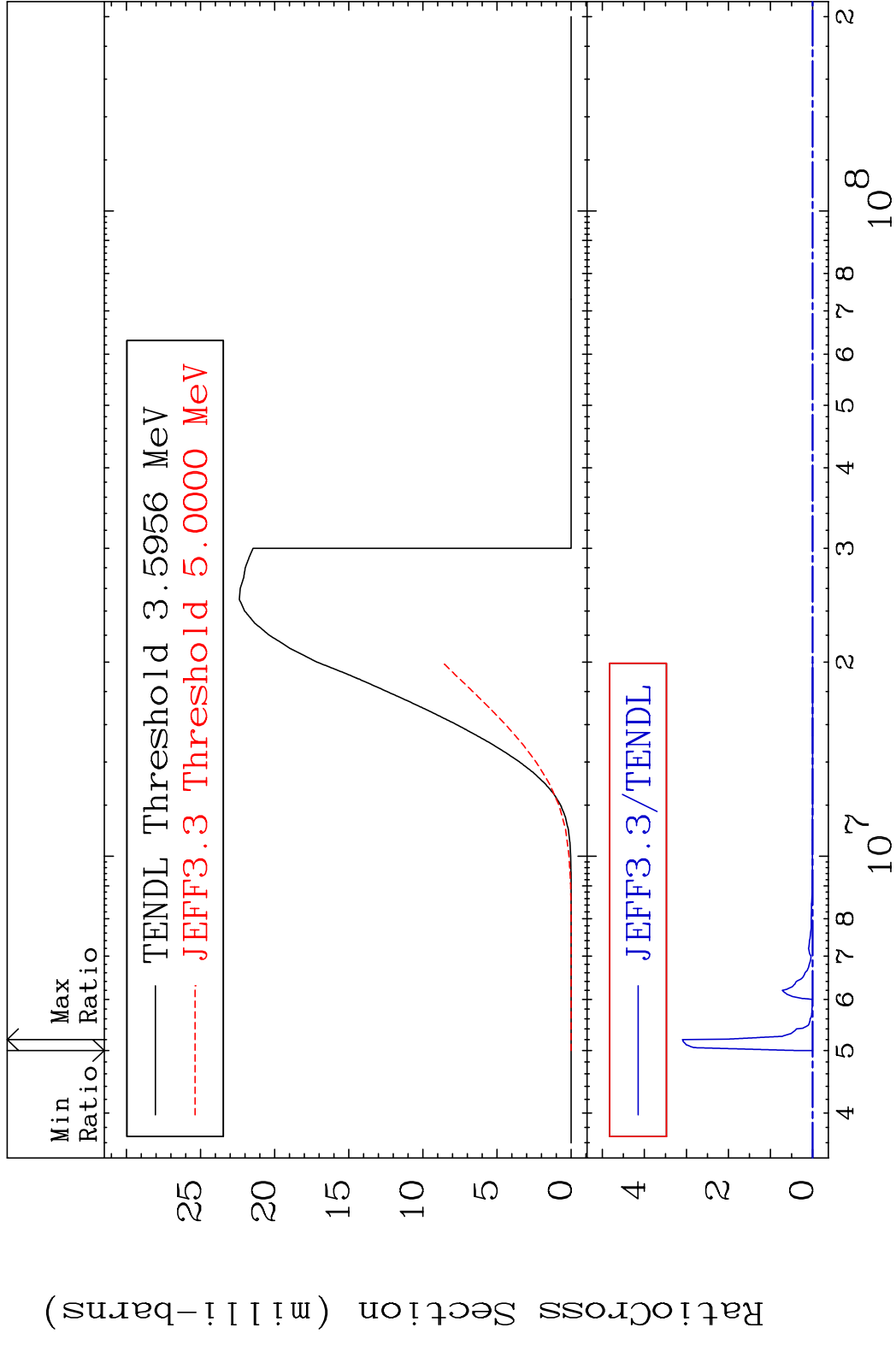


MAT 5125

(n,d)

51-Sb-121

Cross Section -100.0 To 9999. %

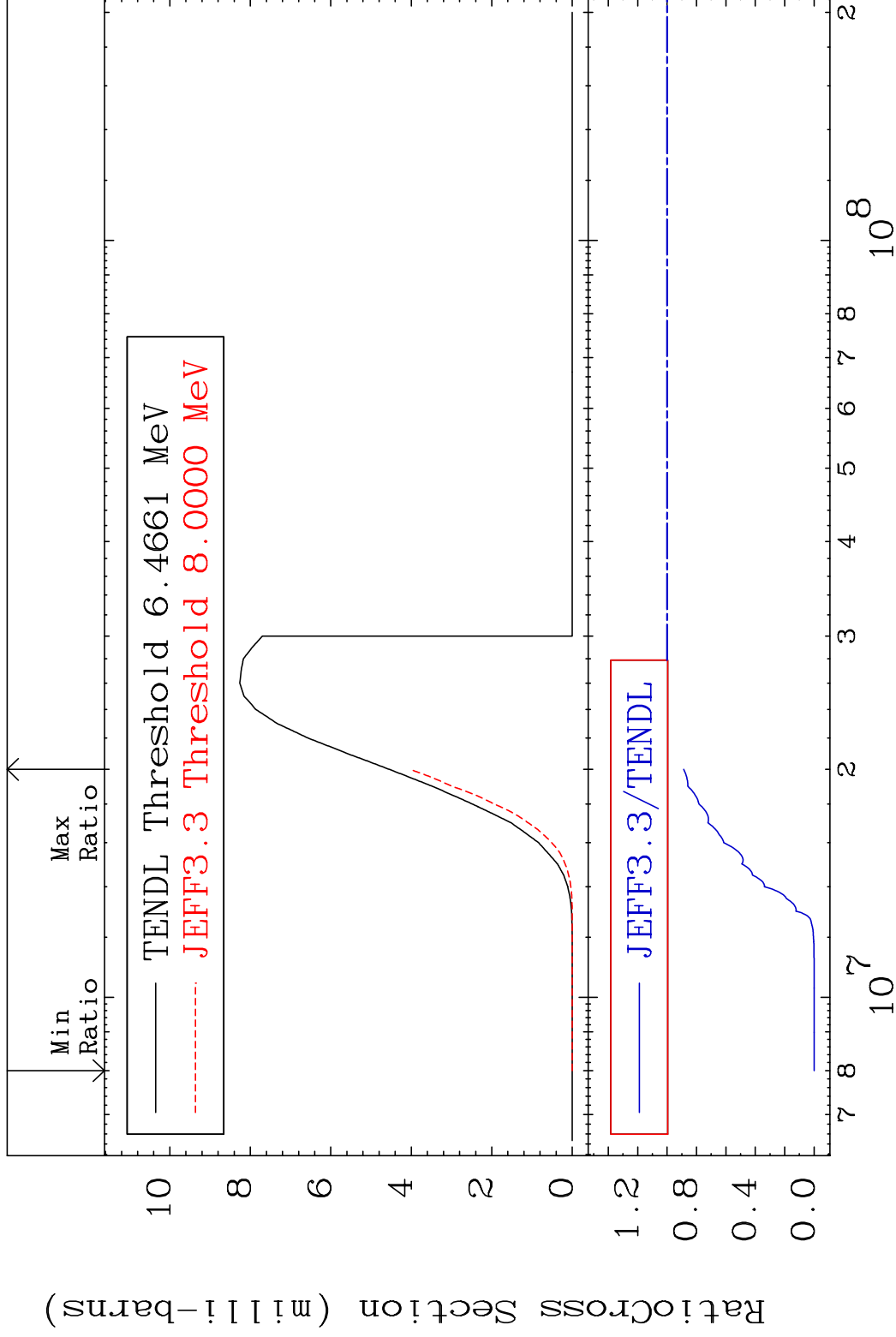


MAT 5125

(n, t)

51-Sb-121

Cross Section -100.0 To -11.27%



25

Incident Energy (eV)

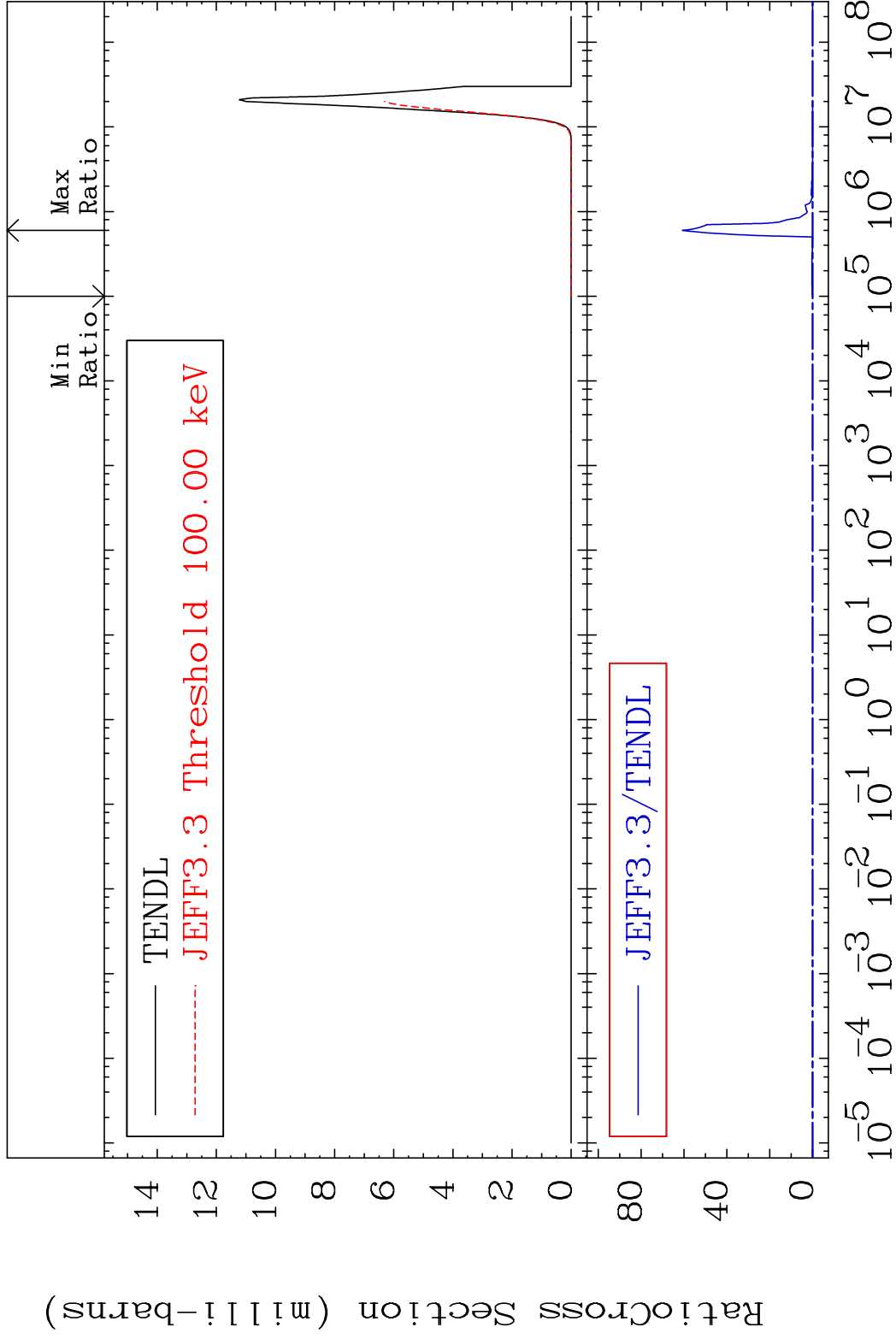
51-Sb-121

MAT 5125

(n,  $\alpha$ )

51-Sb-121

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

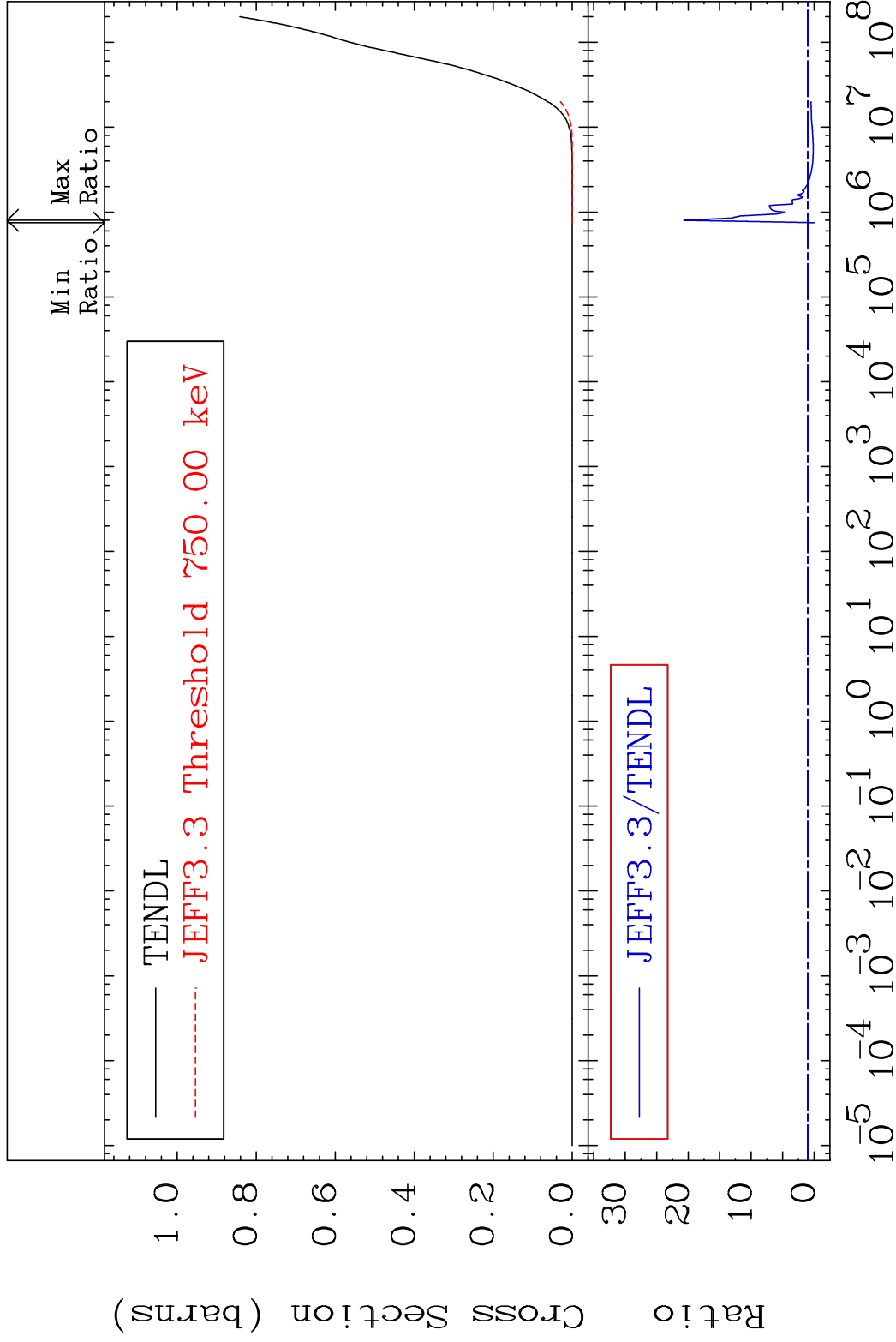
51-Sb-121

MAT 5125

Hydrogen Production

51-Sb-121

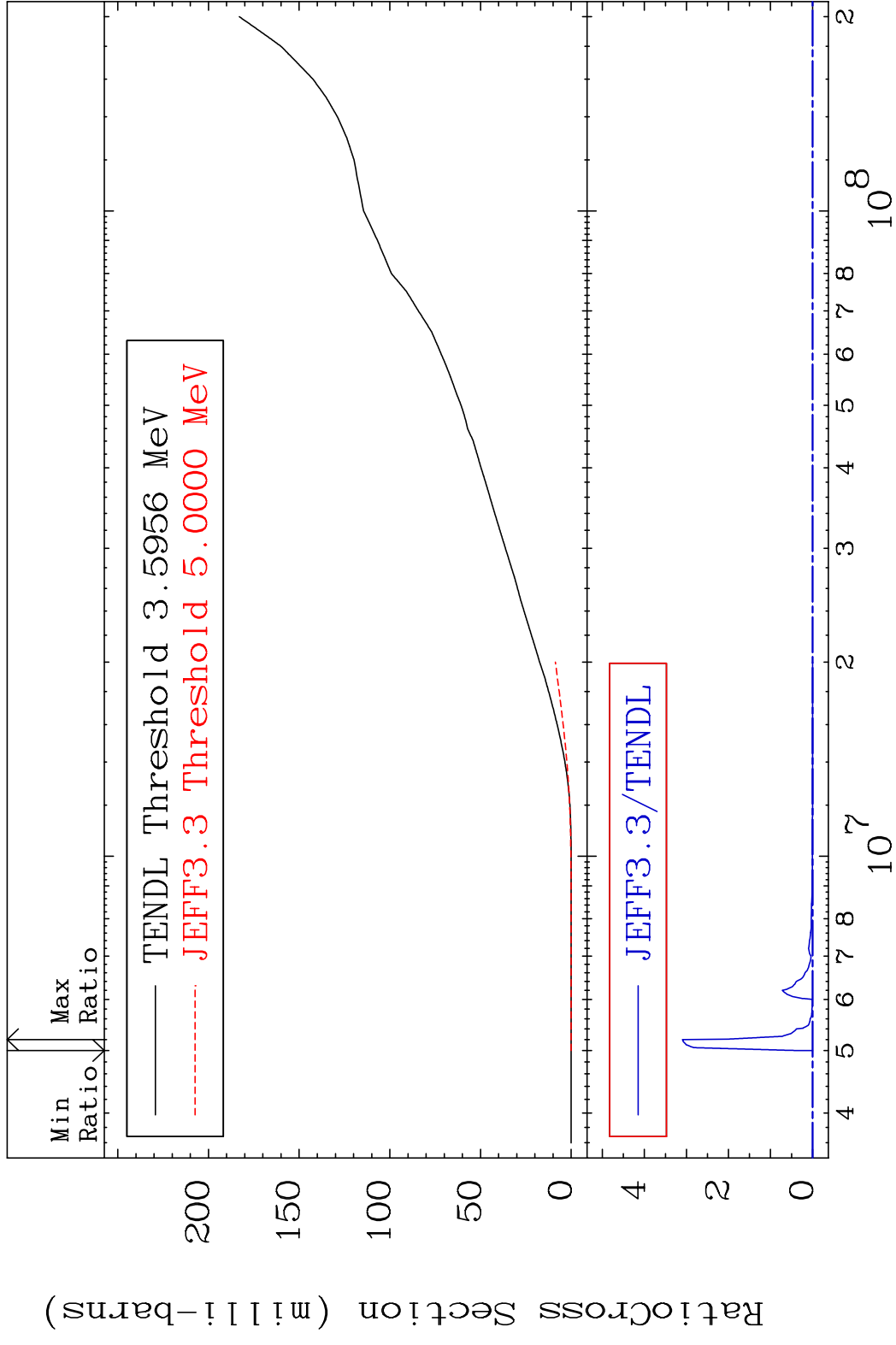
Cross Section -100.0 To 1972. %



27

Incident Energy (eV)

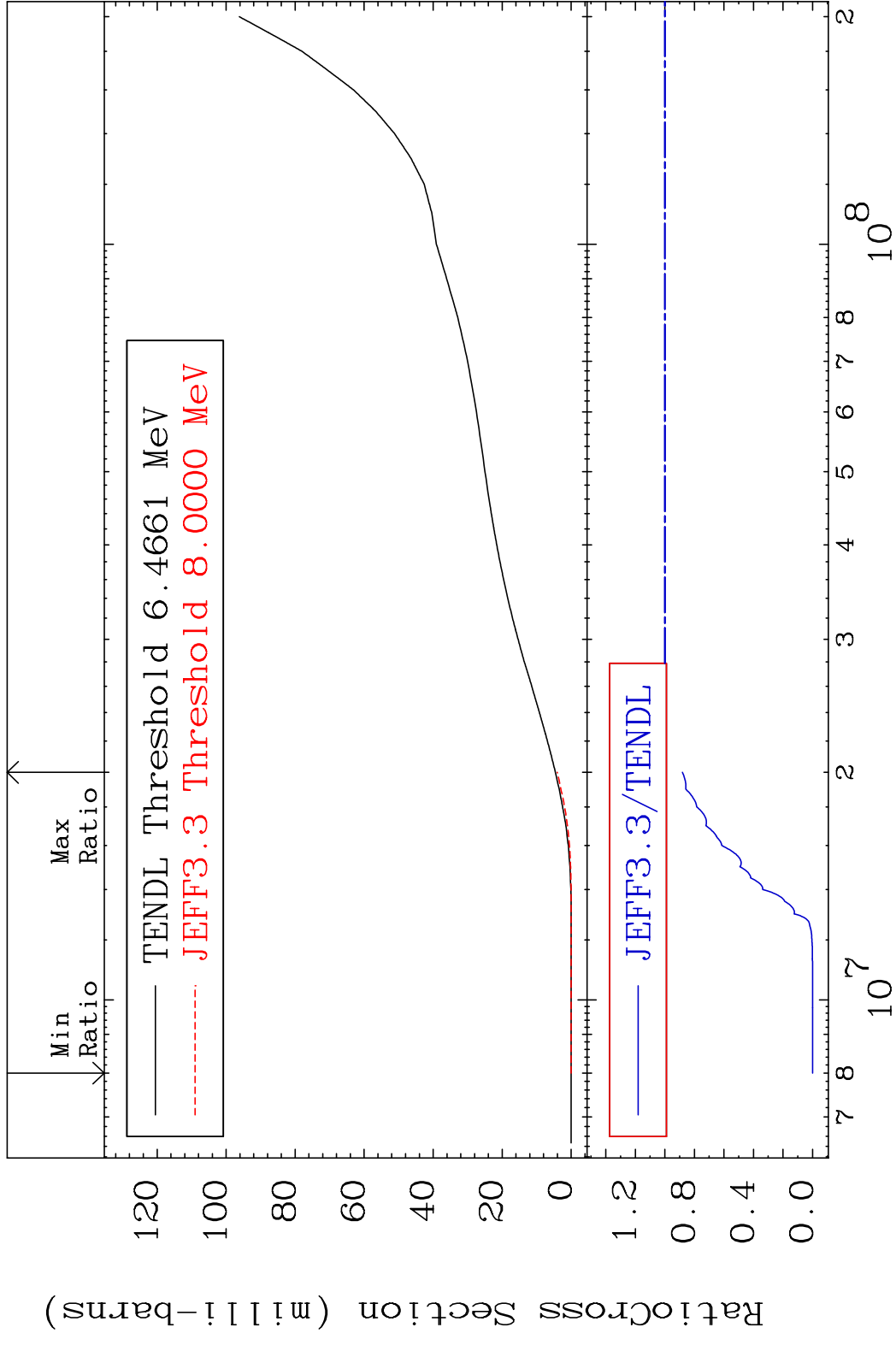
51-Sb-121



MAT 5125

Tritium Production 51-Sb-121

Cross Section -100.0 To -11.86%

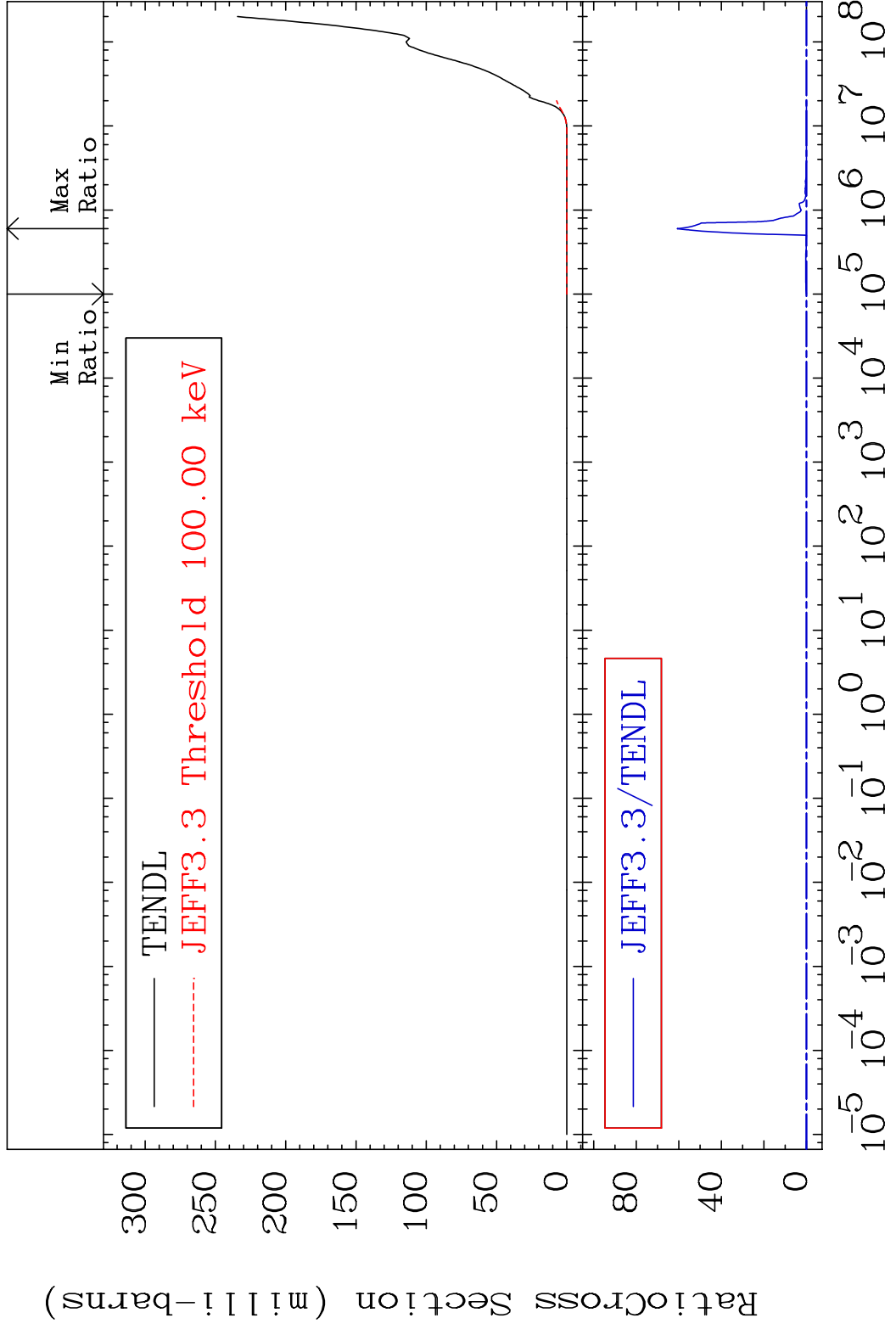


MAT 5125

He-4 Production

51-Sb-121

Cross Section -100.0 To 9999. %



30

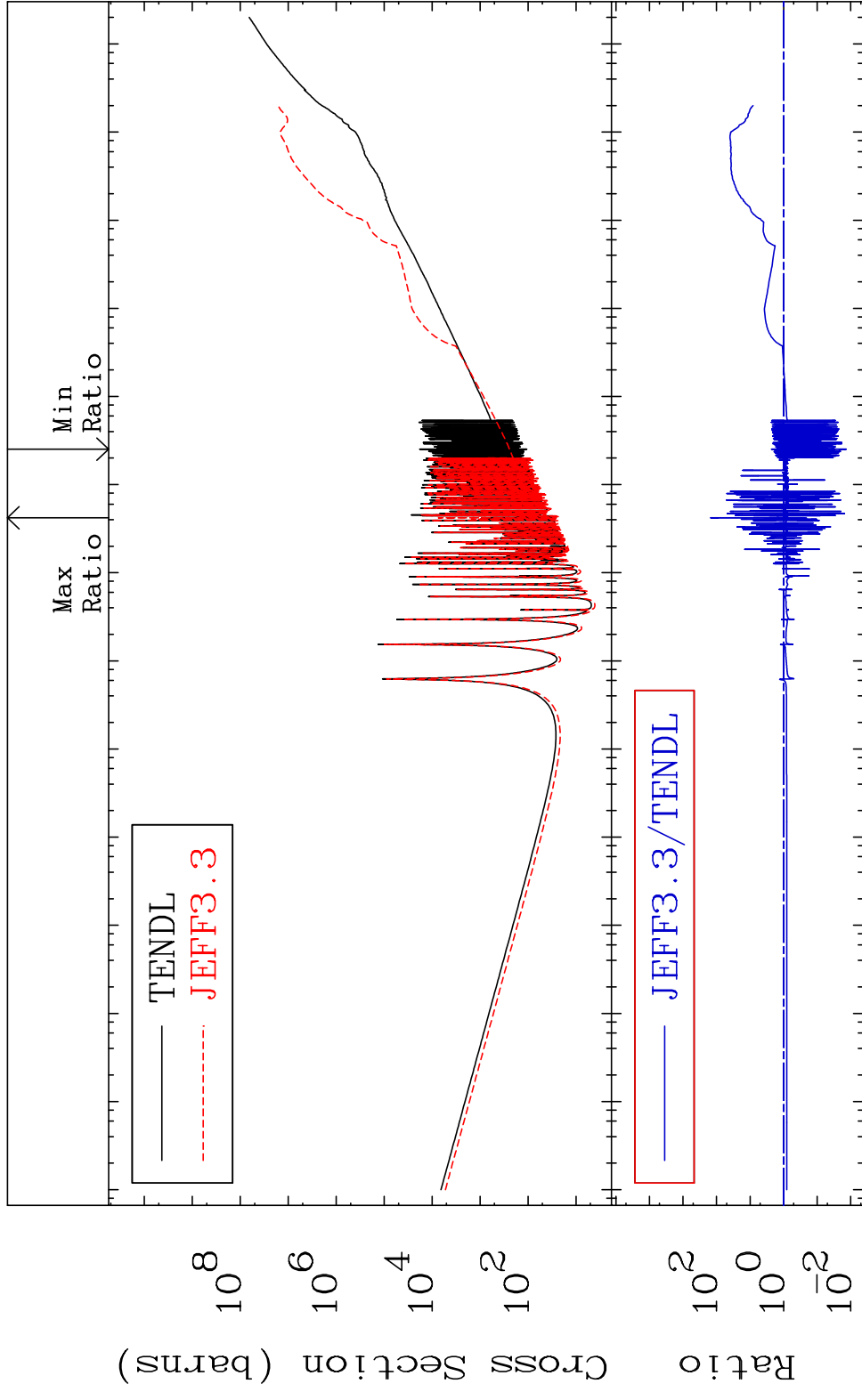
Incident Energy (eV)

51-Sb-121

MAT 5125

Kerma total (eV-barns) 51-Sb-121

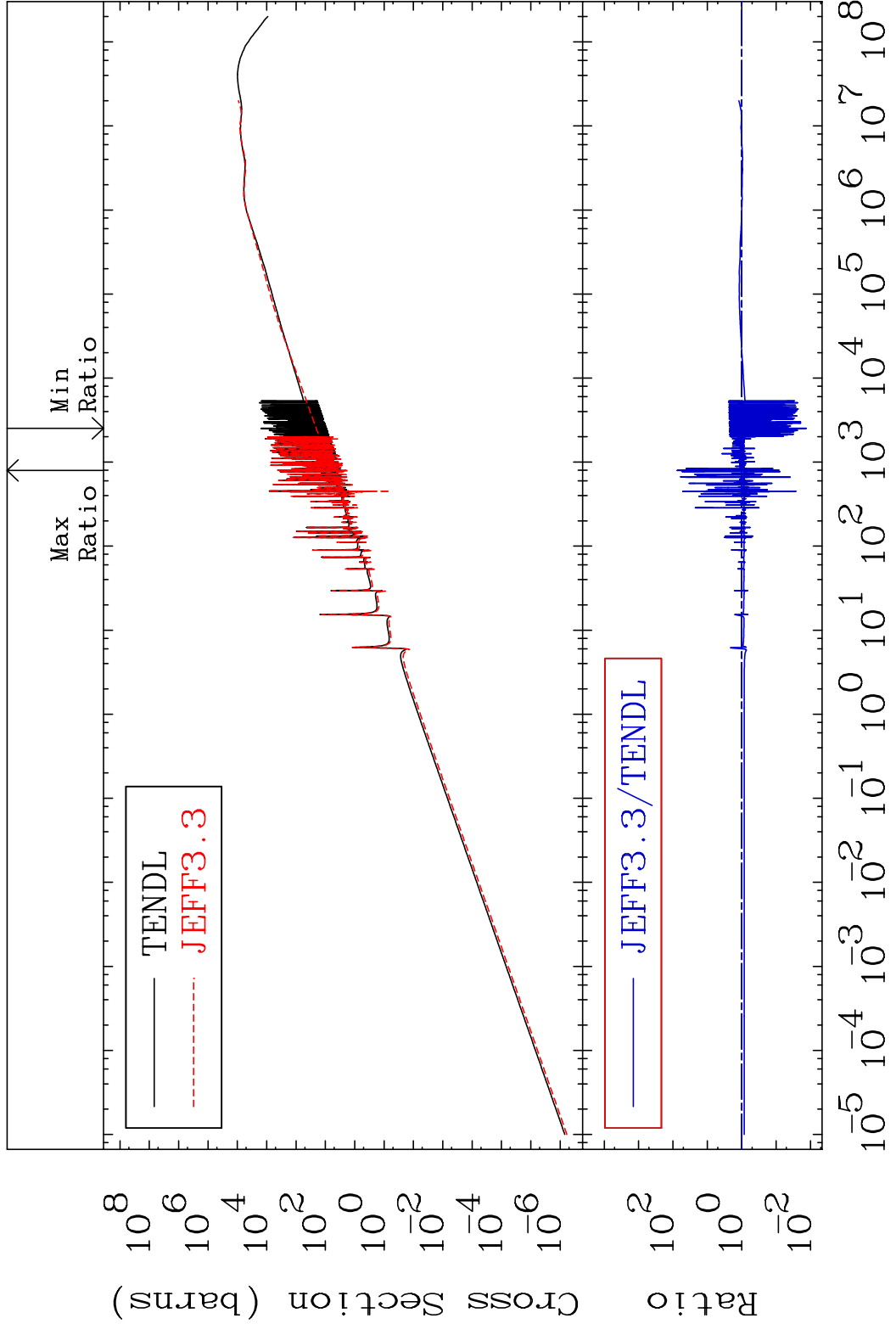
Cross Section -98.65 To 9999. %



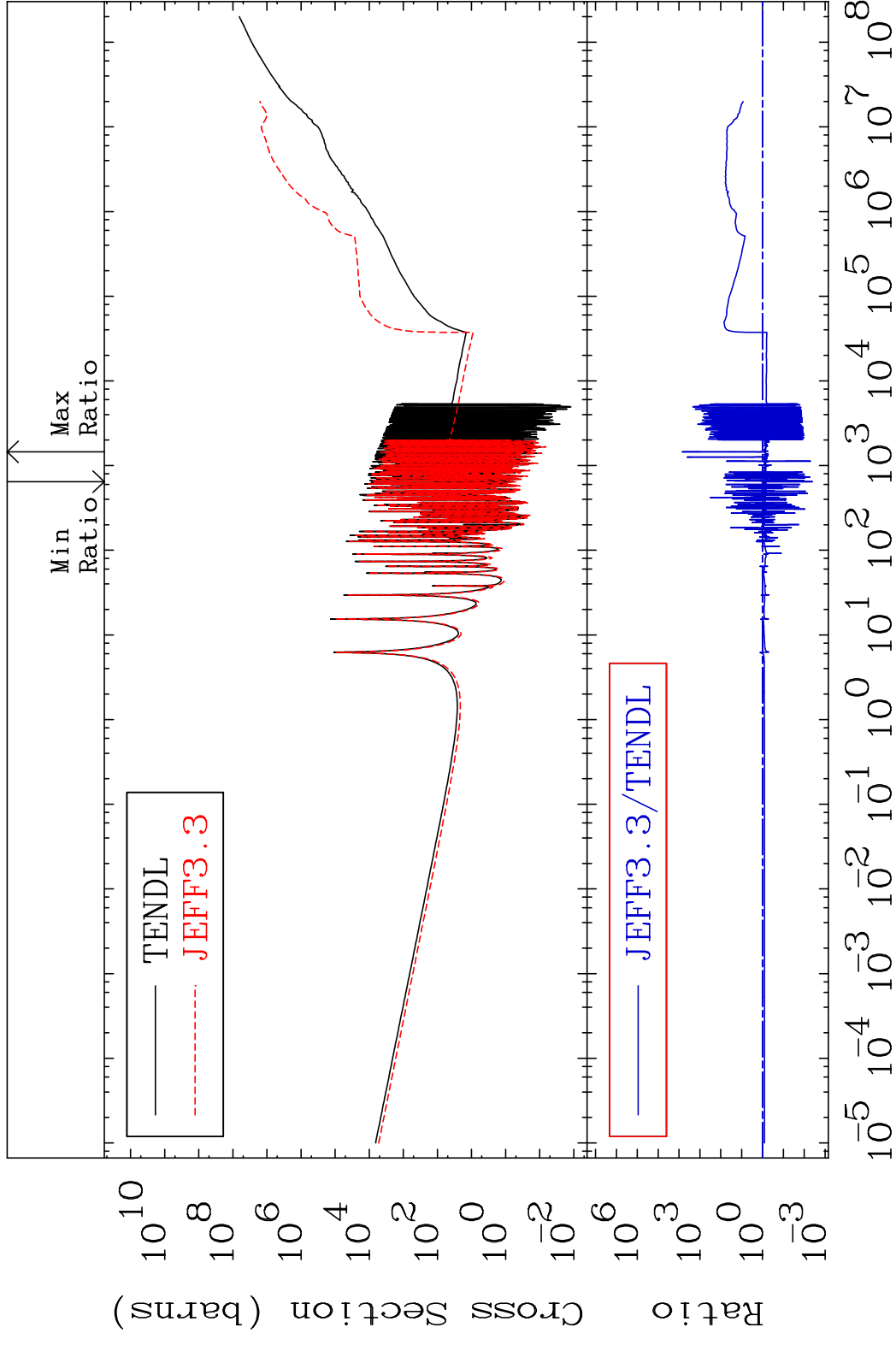


MAT 5125

Kerma elastic Cross Section -98.69 To 7440. %  
51-Sb-121

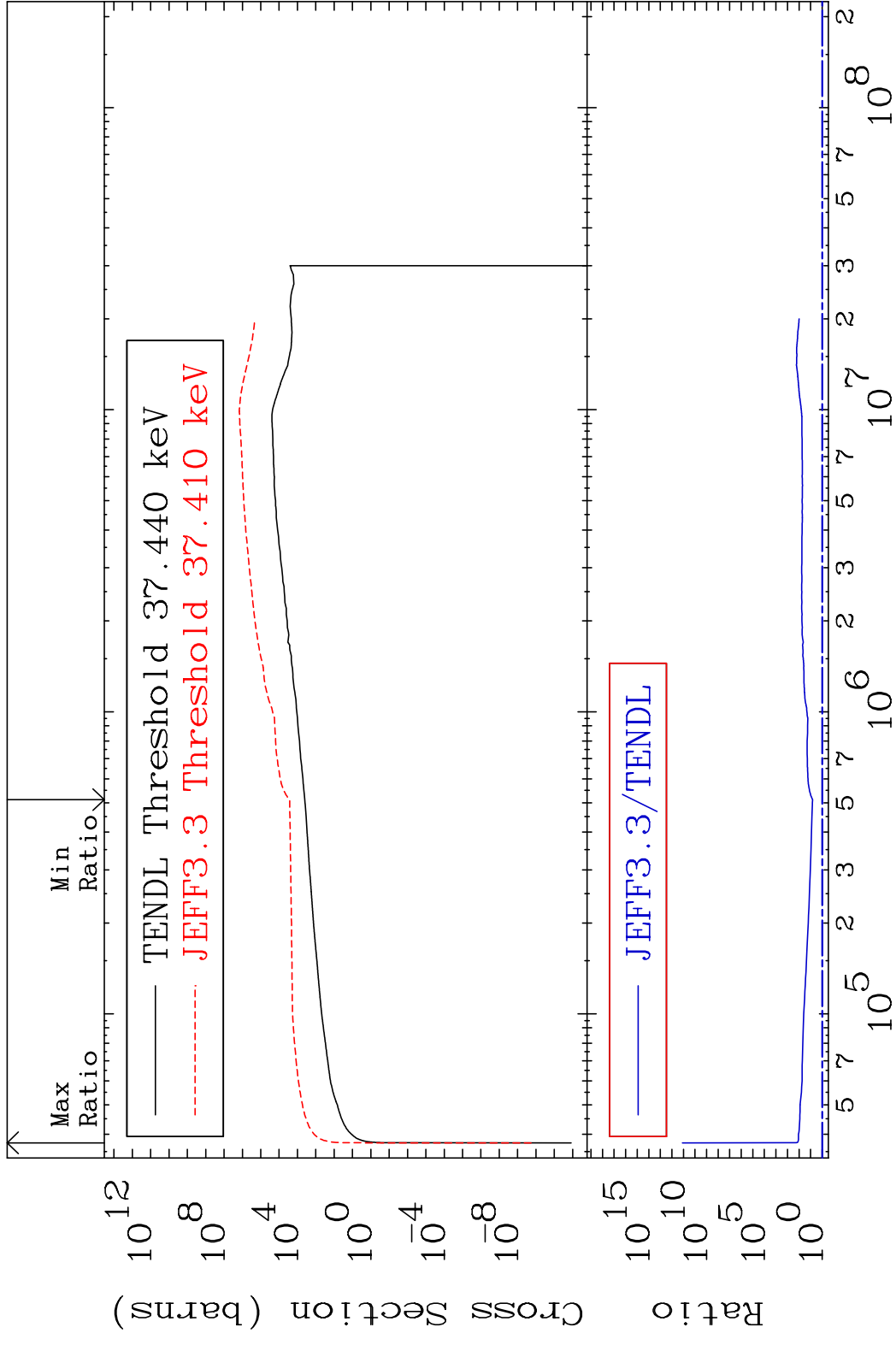


MAT 5125 Kerma non-elastic (all but mt2) 51-Sb-121  
 Cross Section -99.60 To 9999. %

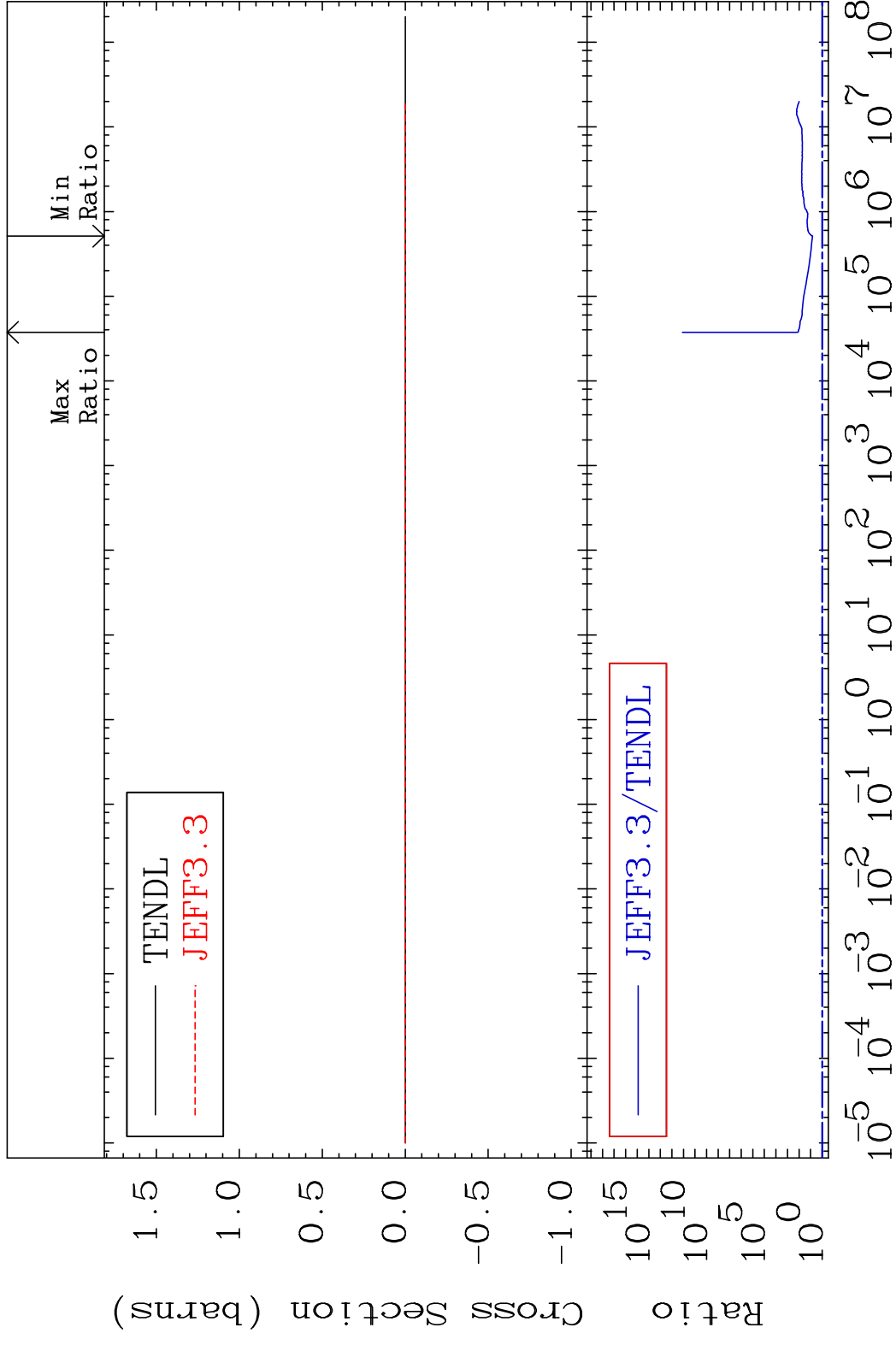


33 Incident Energy (eV) 51-Sb-121

MAT 5125 Kerma inelastic (mt51-91) 51-Sb-121  
 Cross Section 578.5 To 9999. %



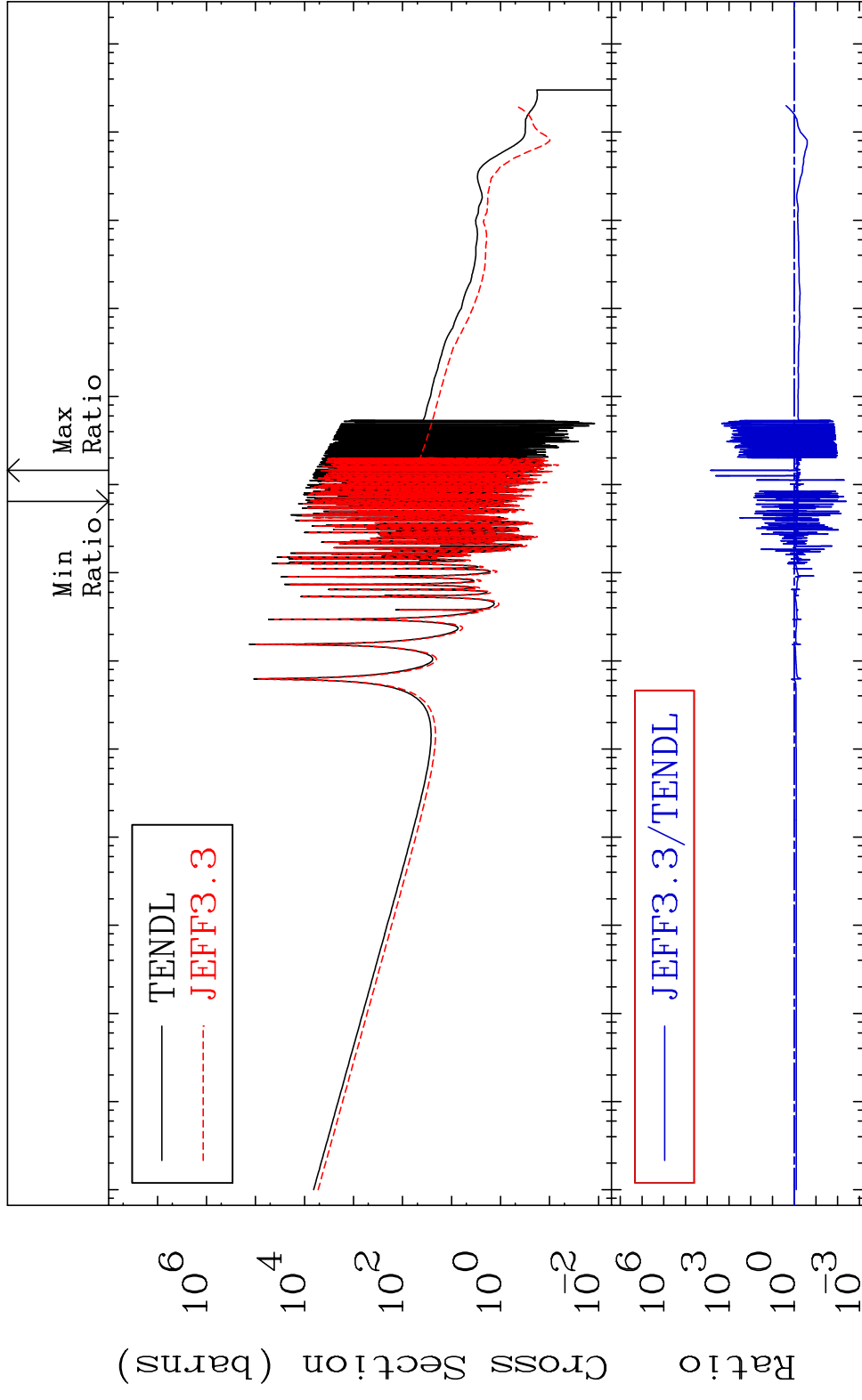
MAT 5125 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-121  
 Cross Section 578.5 To 9999. %



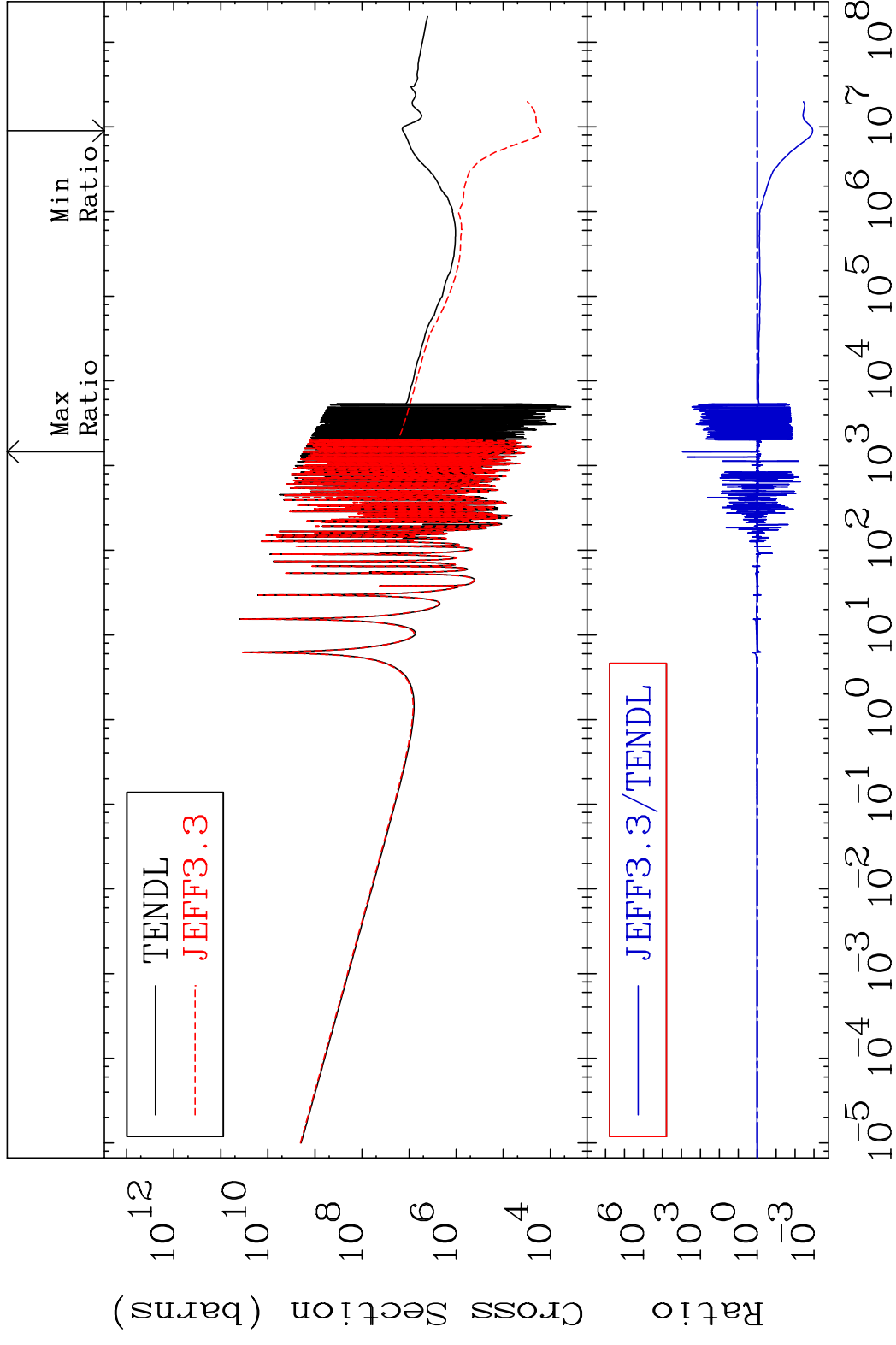
MAT 5125

Kerma capture (mt102) 51-Sb-121

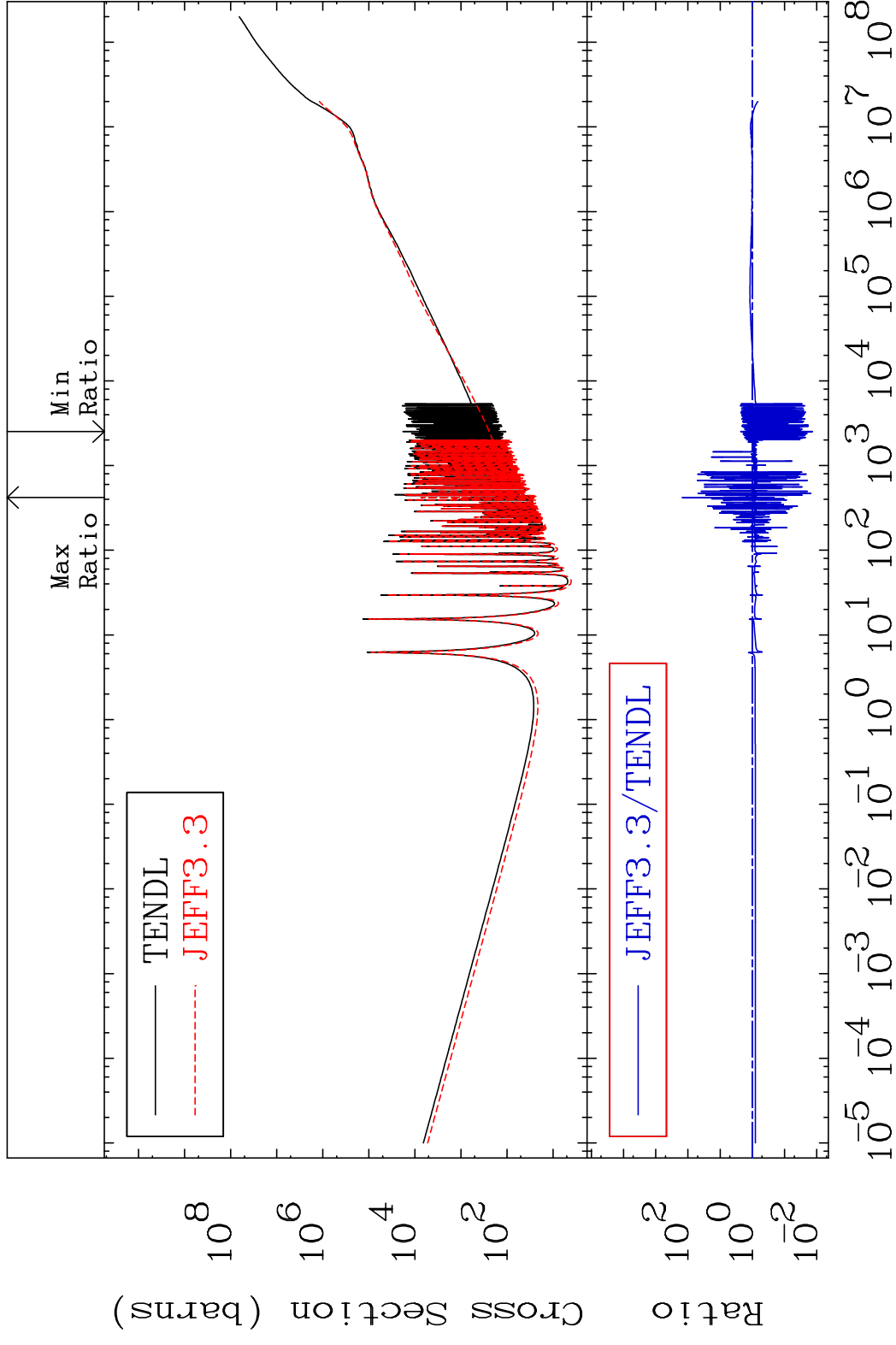
Cross Section -99.60 To 9999. %



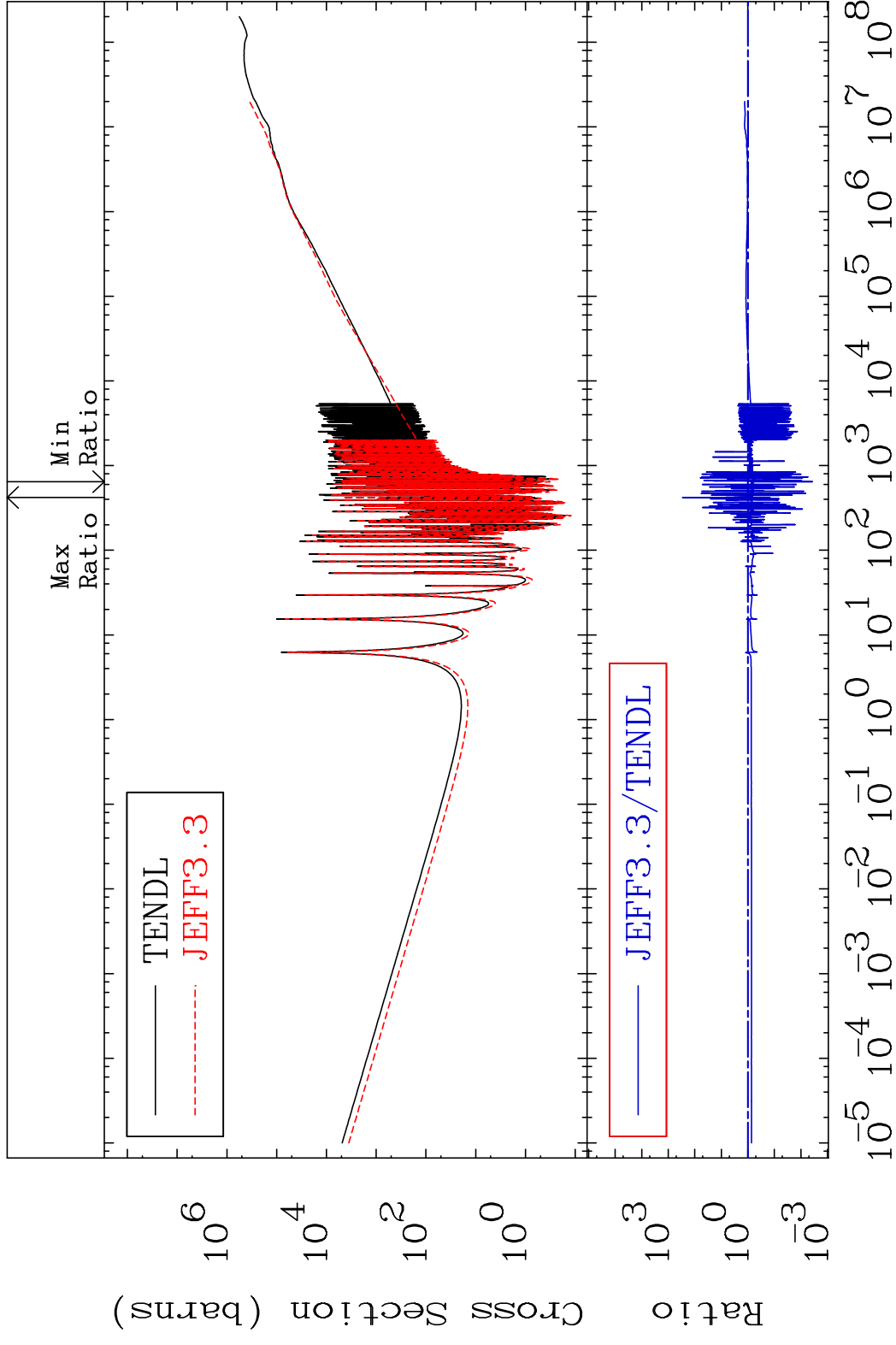
MAT 5125 Total photon (eV-barns) 51-Sb-121  
 Cross Section -99.88 To 9999. %



MAT 5125 Total kinematic kerma (high limit) 51-Sb-121  
 Cross Section -98.65 To 9999. %



MAT 5125      Dpa total (eV-barns)      51-Sb-121  
 Cross Section      -99.64 To 9999. %



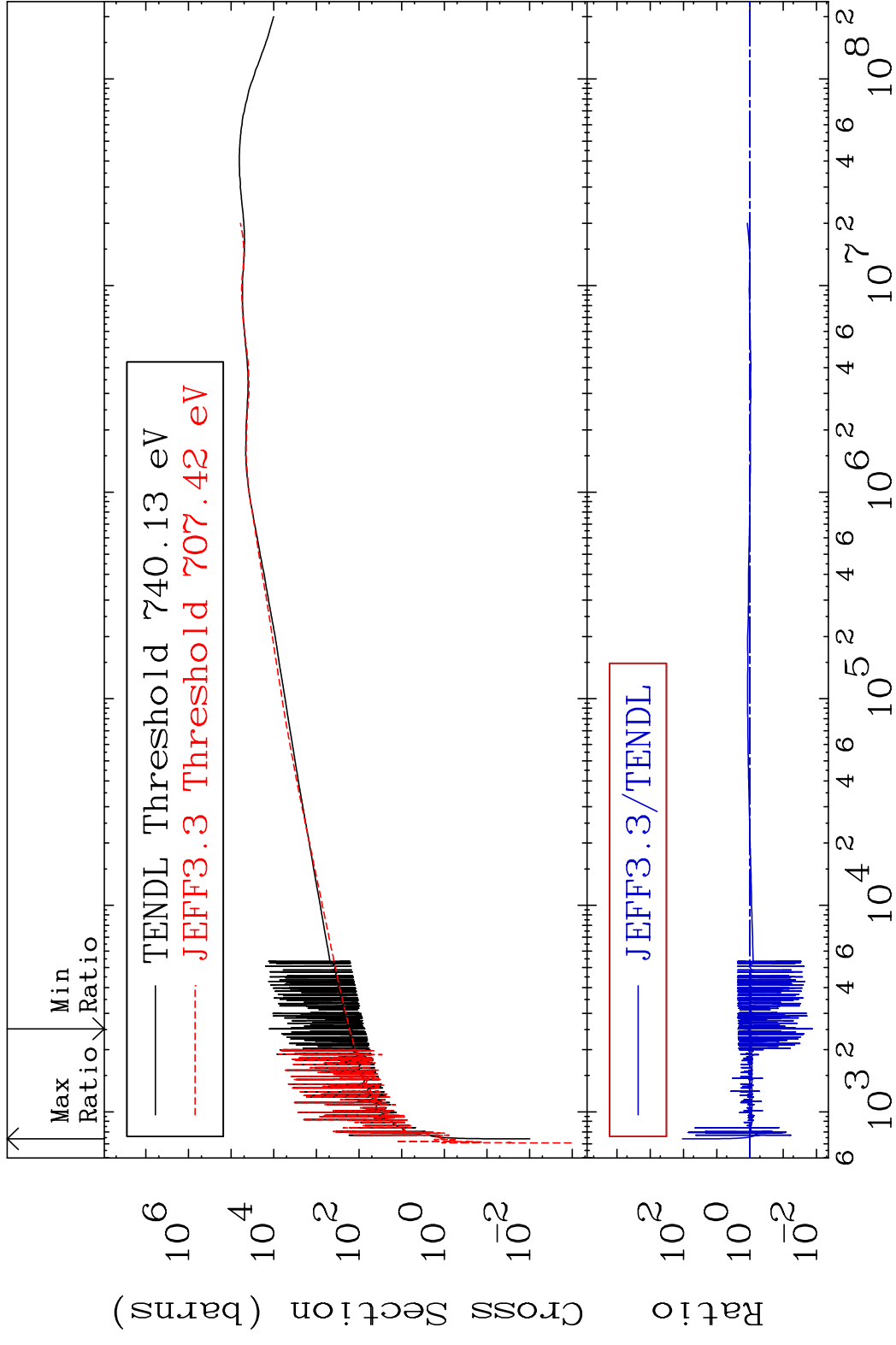


MAT 5125

Dpa elastic (mt2)

51-Sb-121

Cross Section -98.69 To 9999. %



40

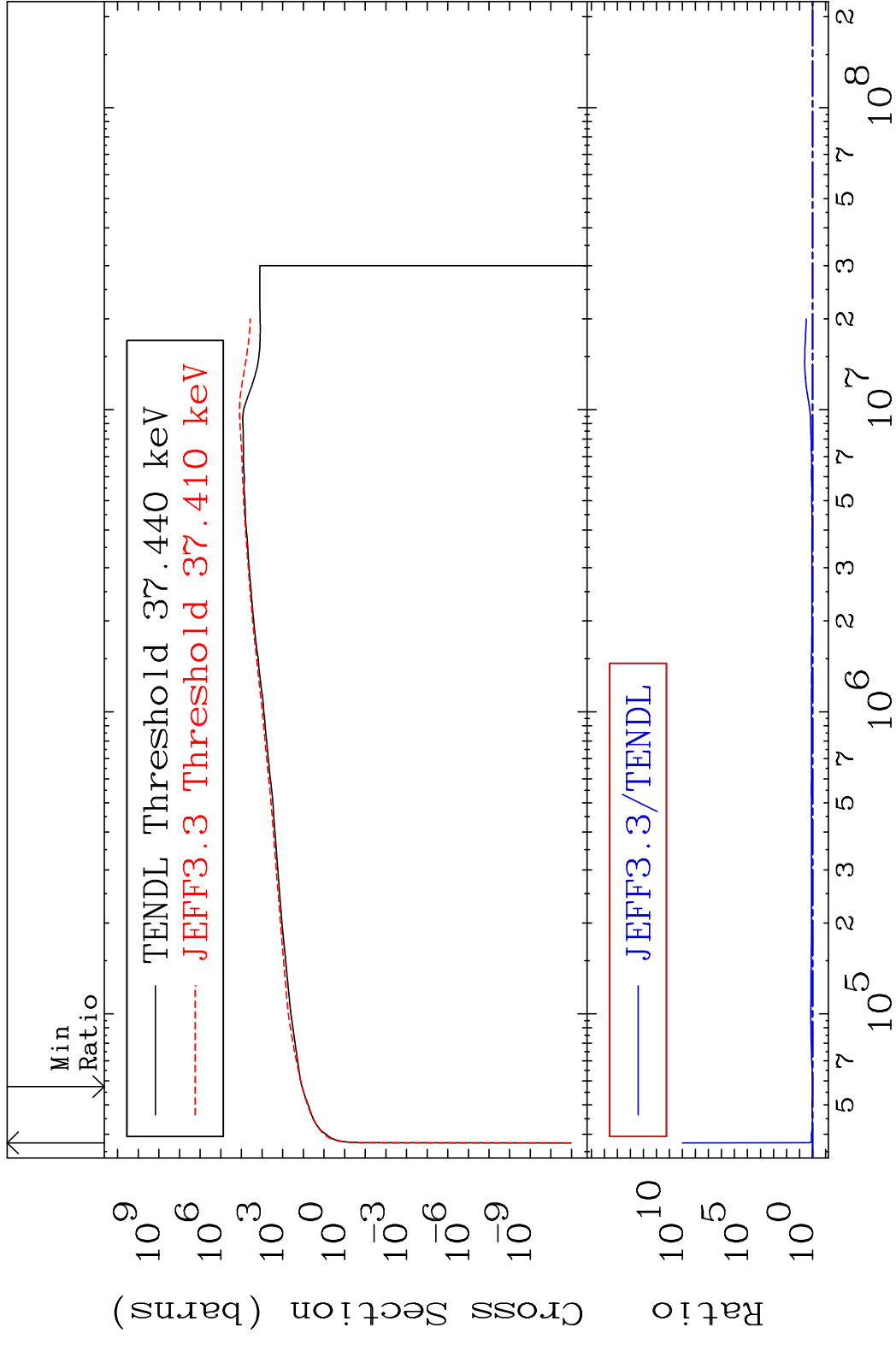
Incident Energy (eV)

51-Sb-121

MAT 5125

Dpa inelastic (mt51-91) 51-Sb-121

Cross Section -0.917 To 9999. %



MAT 5125 Dpa disappearance (mt102 -120) 51-Sb-121  
 Cross Section -99.64 To 9999. %

