

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  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

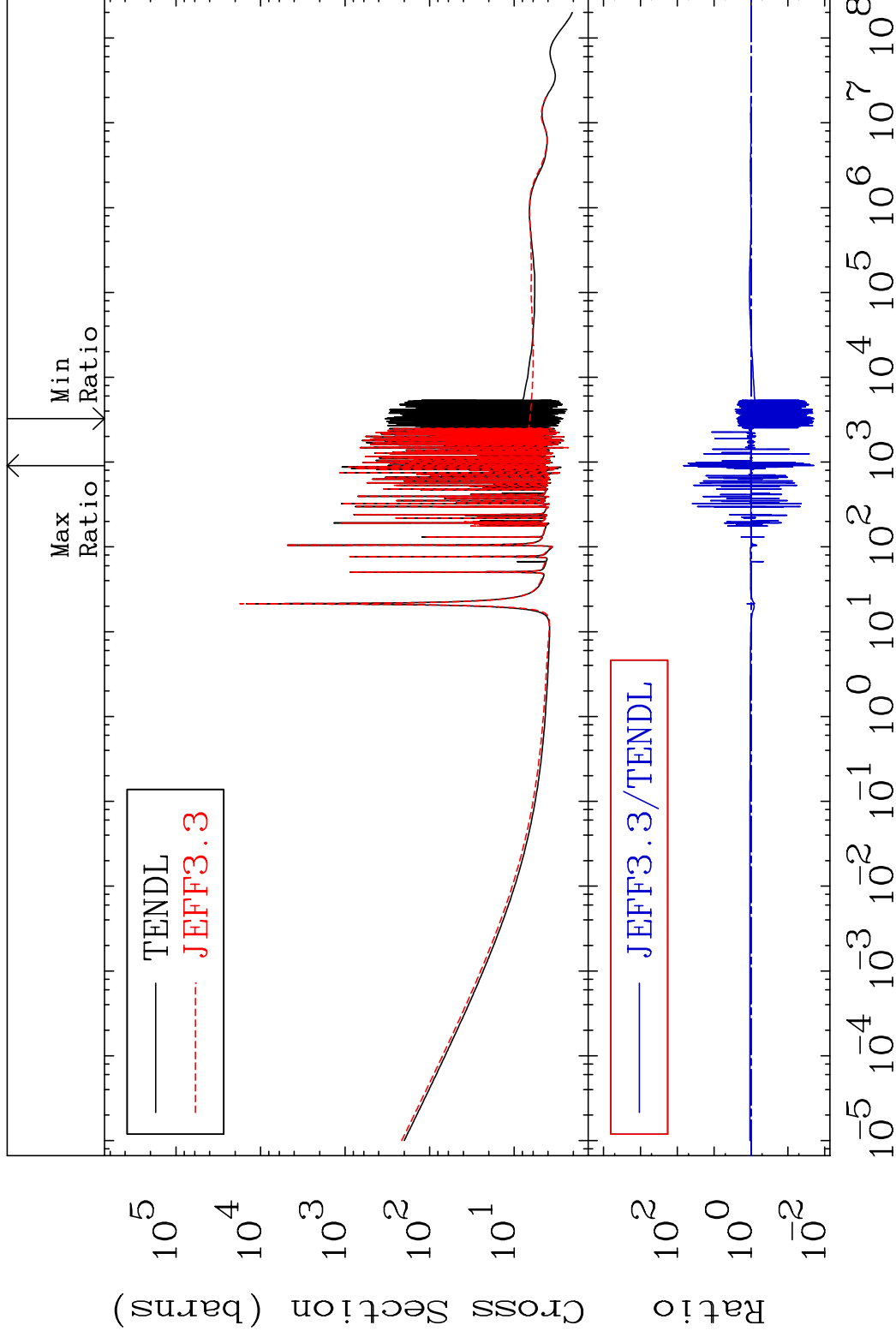
MAT 5131

Total

51-Sb-123

Cross Section

-98.06 To 6618. %



1

Incident Energy (eV)

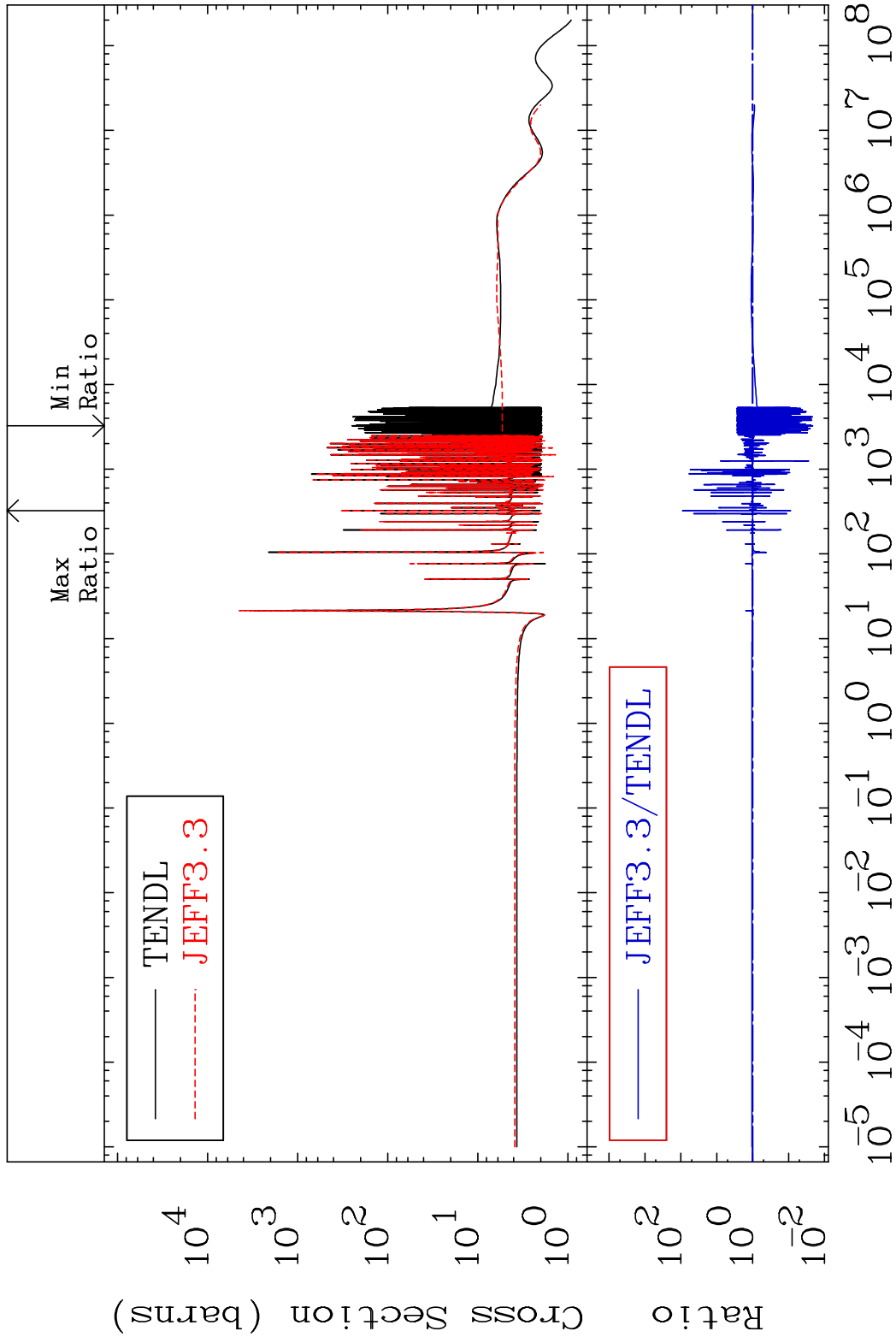
51-Sb-123

MAT 5131

Elastic

51-Sb-123

Cross Section -97.84 To 8998. %



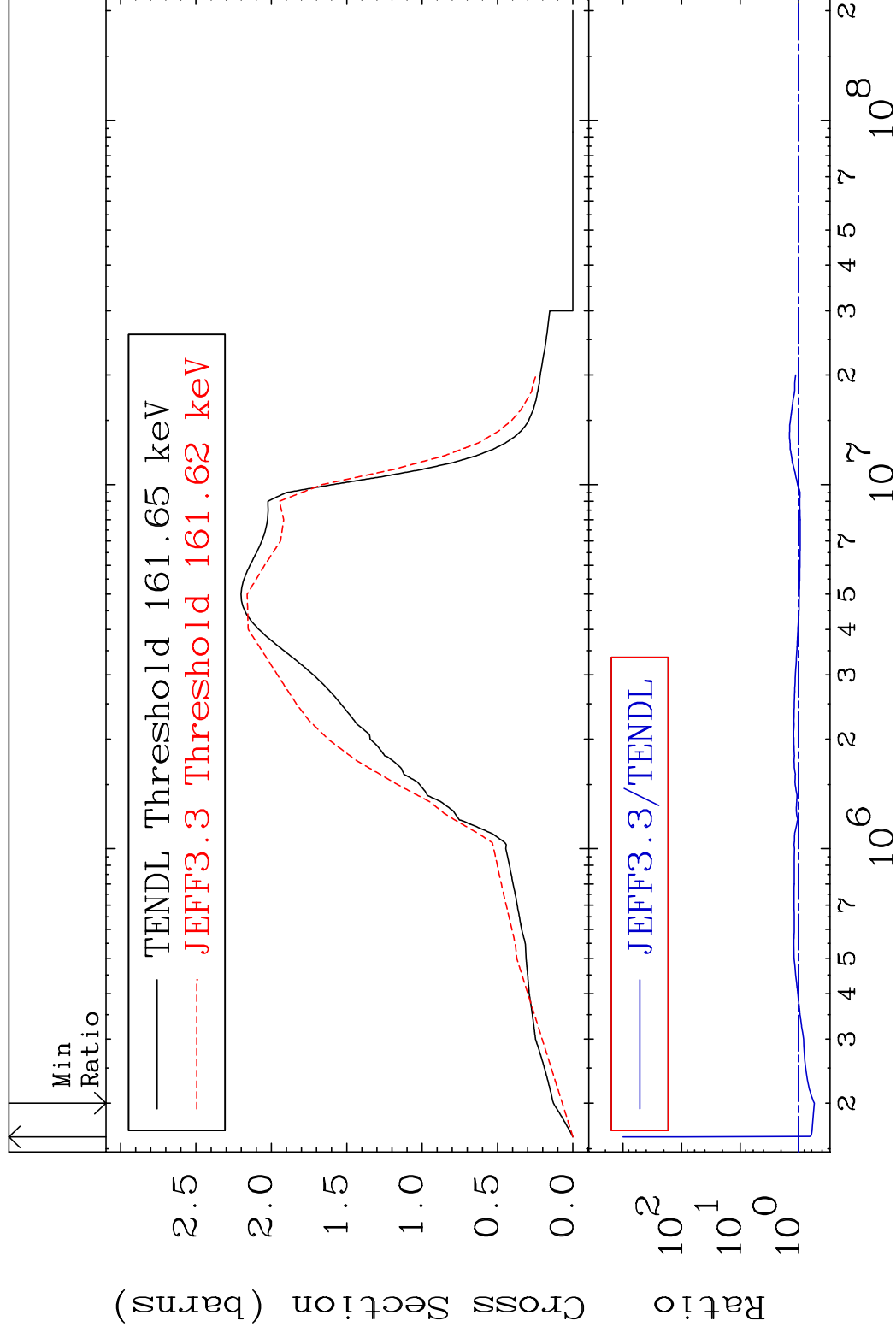
MAT 5131

Inelastic

51-Sb-123

Cross Section

-45.80 To 8953. %



3

Incident Energy (eV)

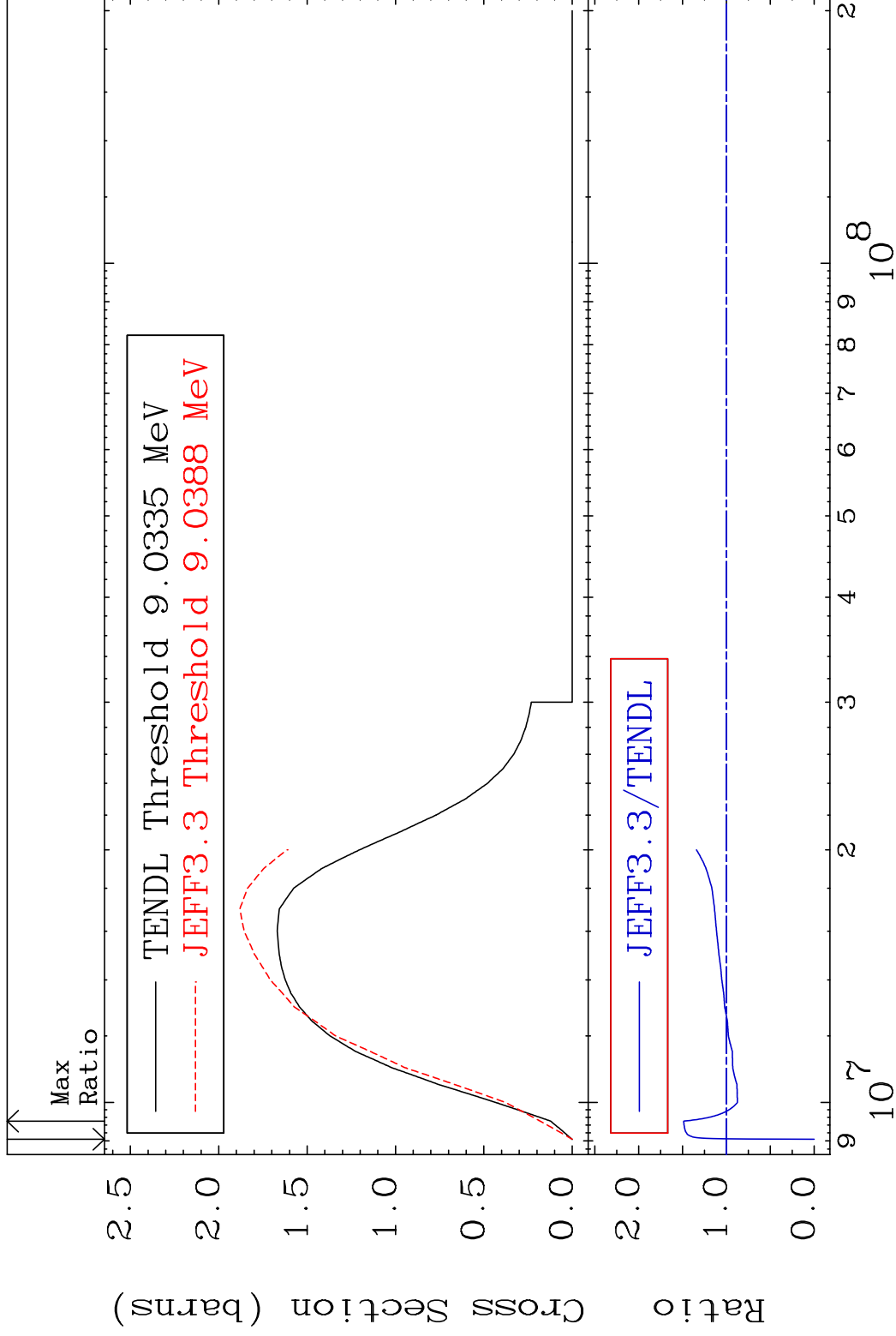
51-Sb-123

MAT 5131

(n,2n)

51-Sb-123

Cross Section -100.0 To 48.65 %



4

Incident Energy (eV)

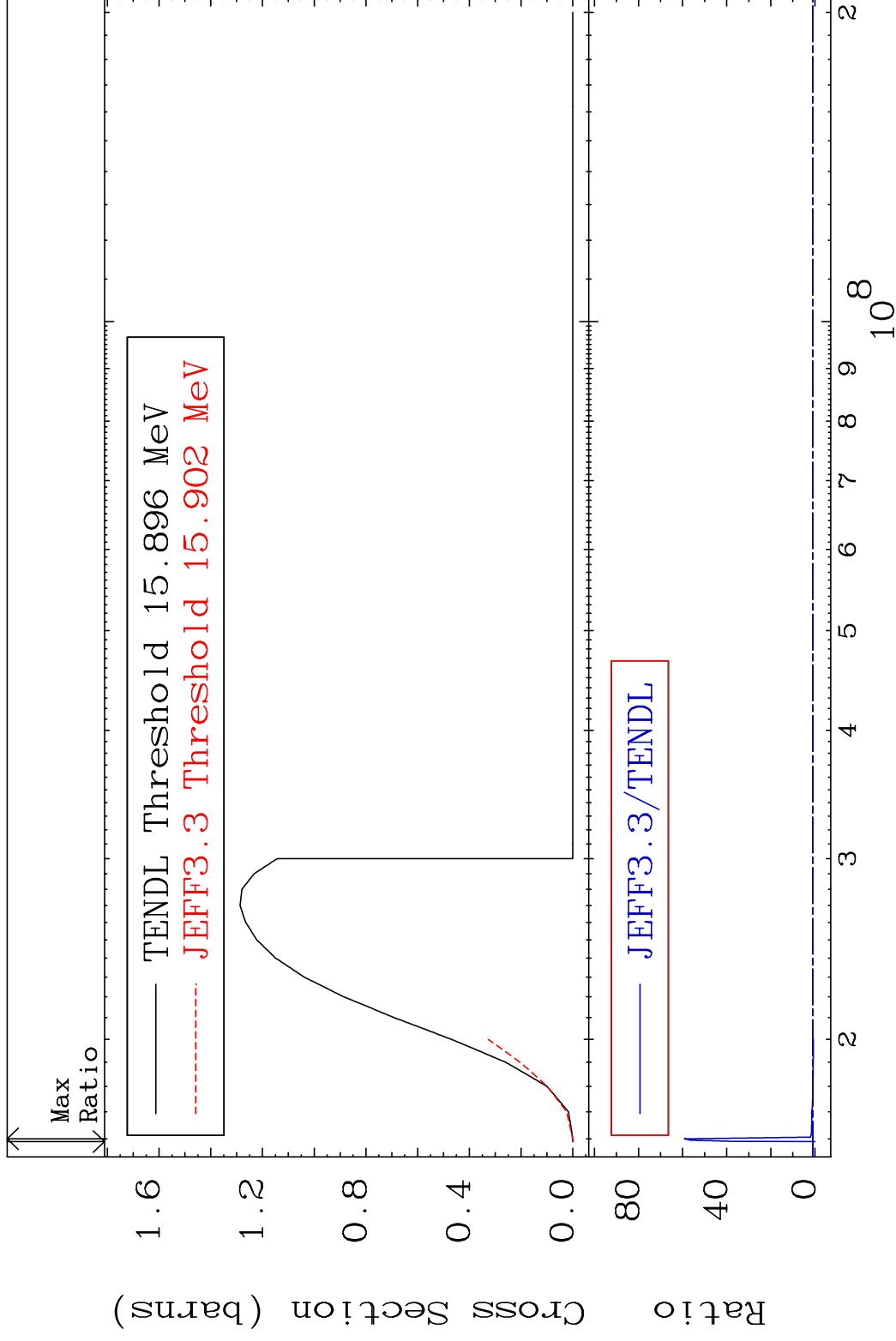
51-Sb-123

MAT 5131

(n,3n)

51-Sb-123

Cross Section -100.0 To 5823. %



5

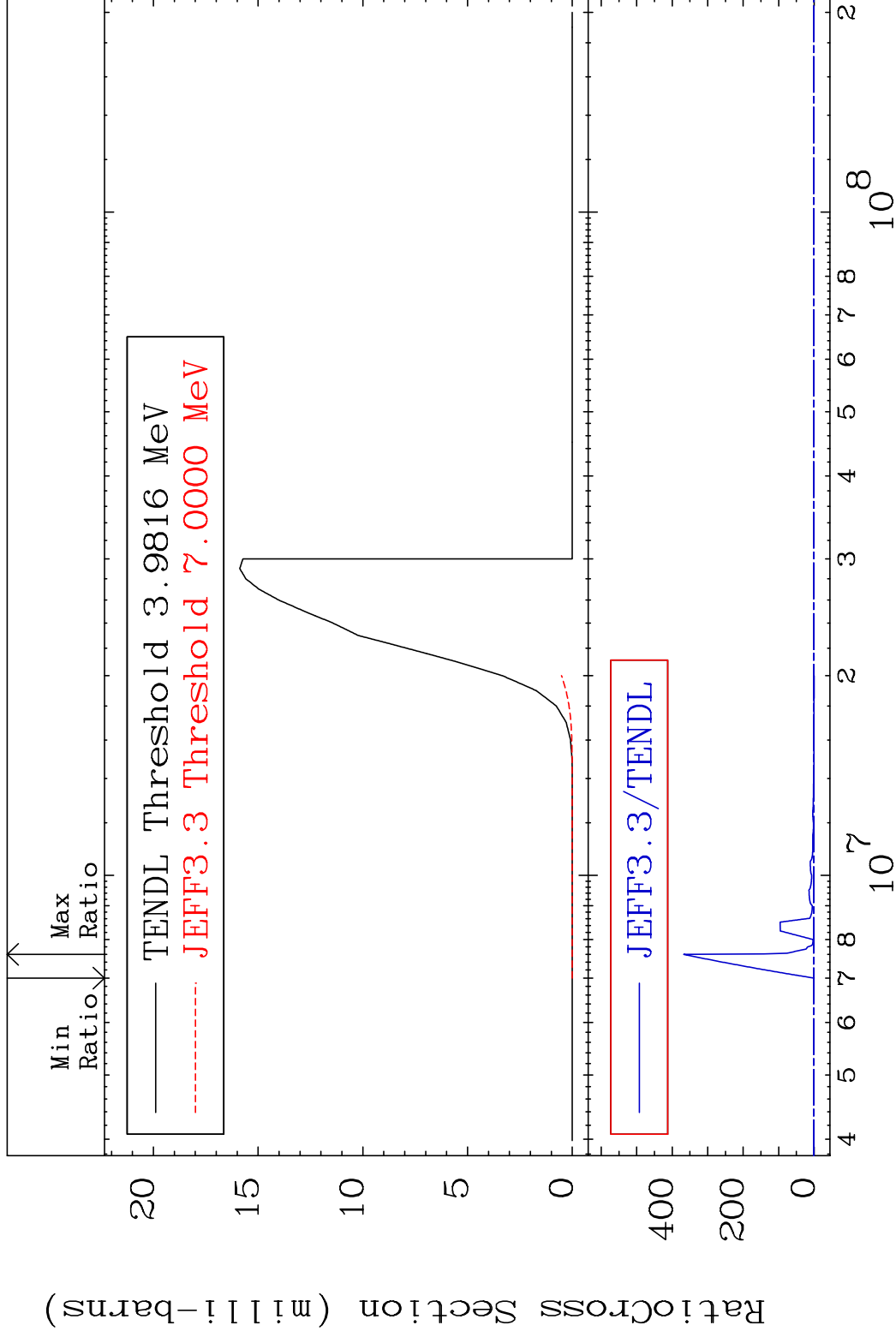
Incident Energy (eV)

51-Sb-123

MAT 5131

(n, n')  $\alpha$  51-Sb-123

Cross Section -100.0 To 9999. %



6

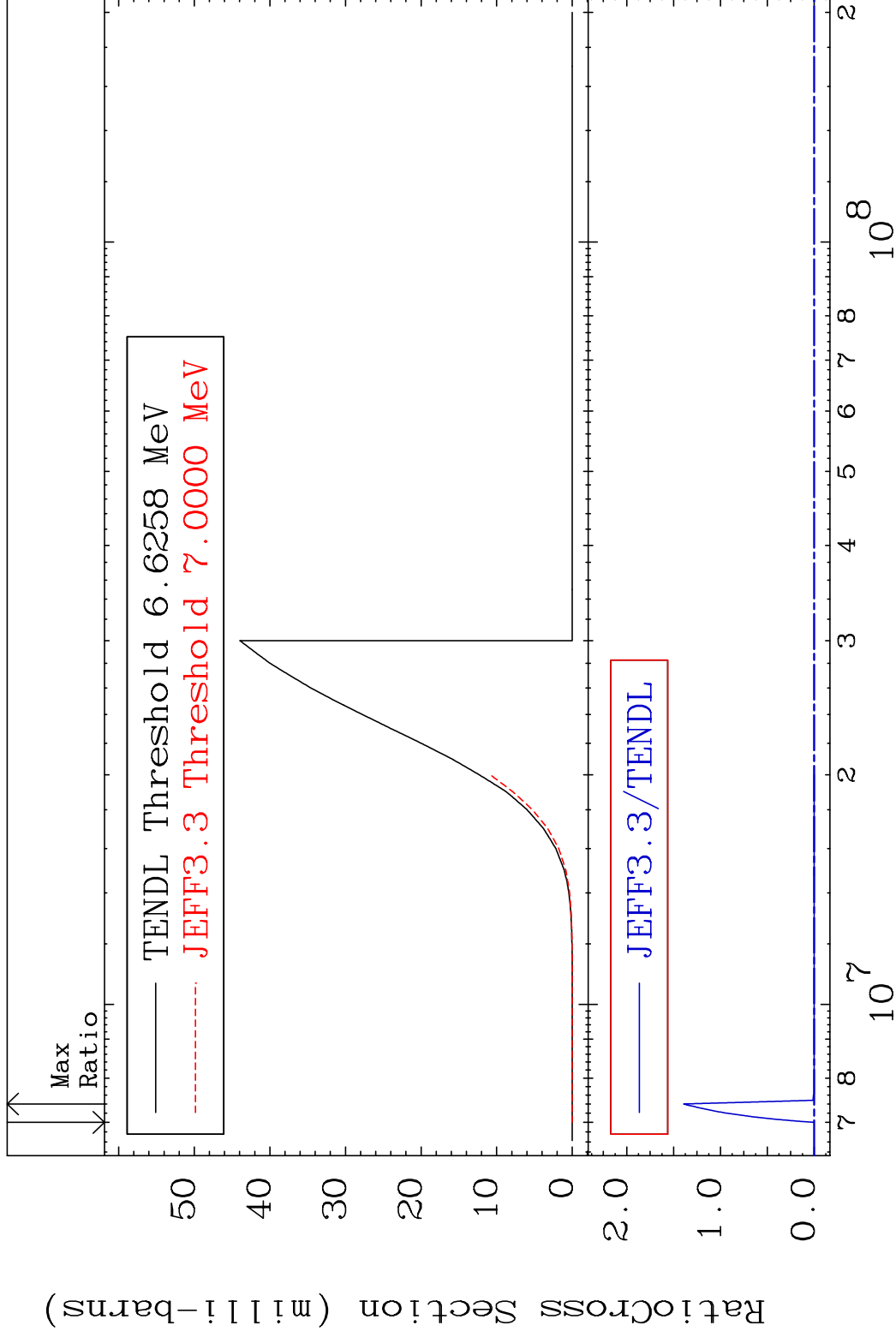
Incident Energy (eV)

51-Sb-123

MAT 5131

(n, n') p 51-Sb-123

Cross Section -100.0 To 9999. %



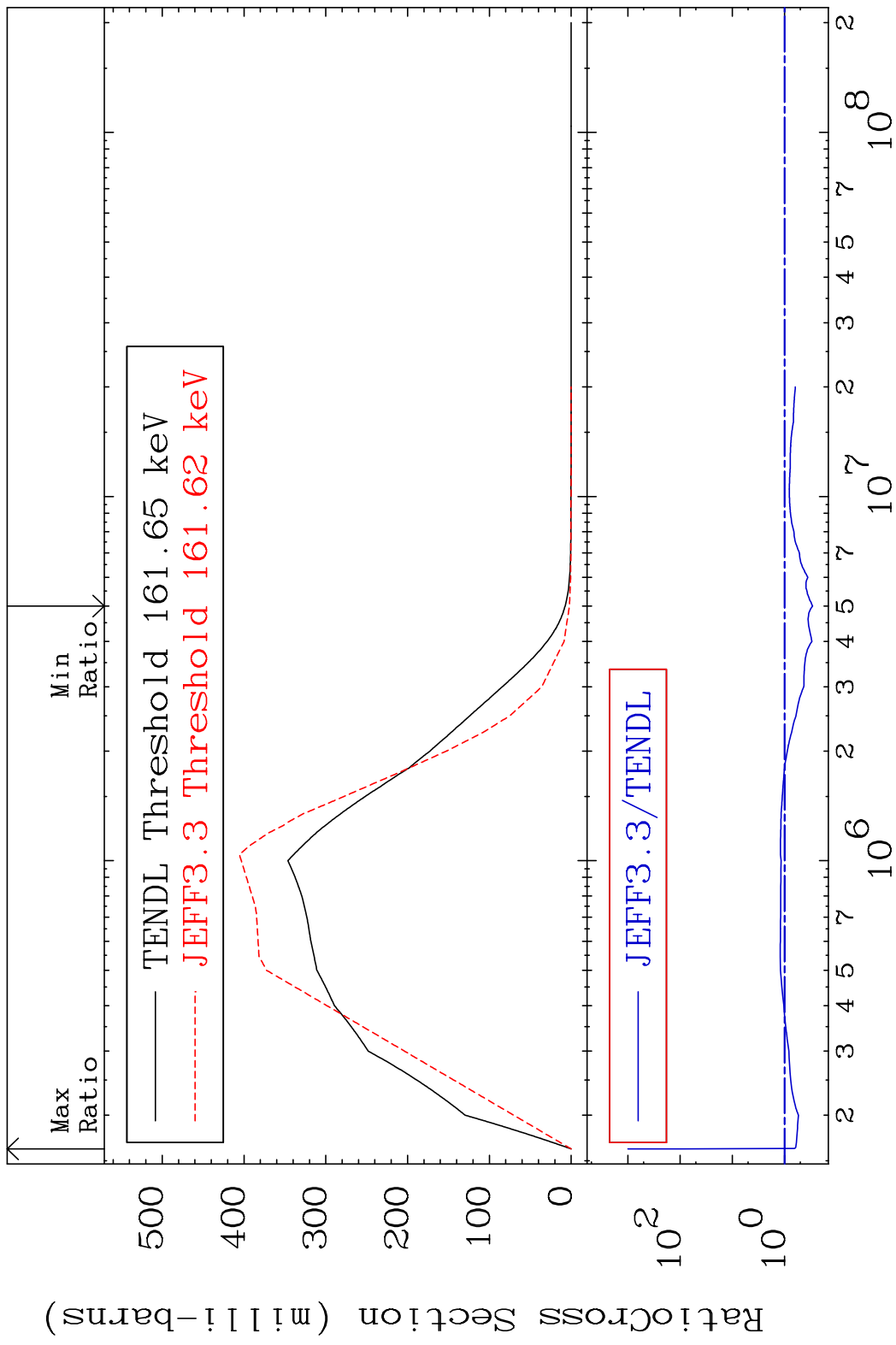
7

Incident Energy (eV)

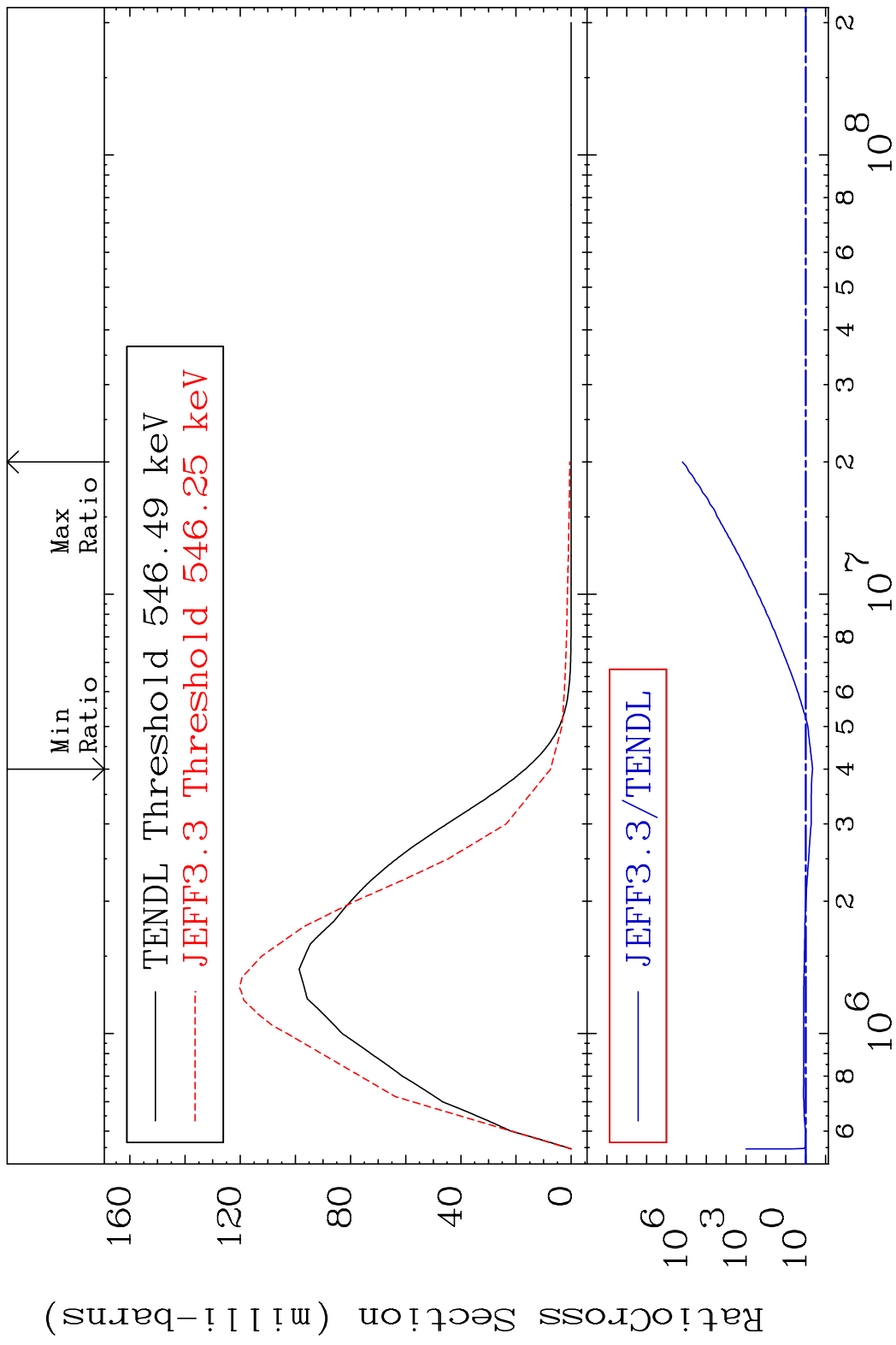
51-Sb-123



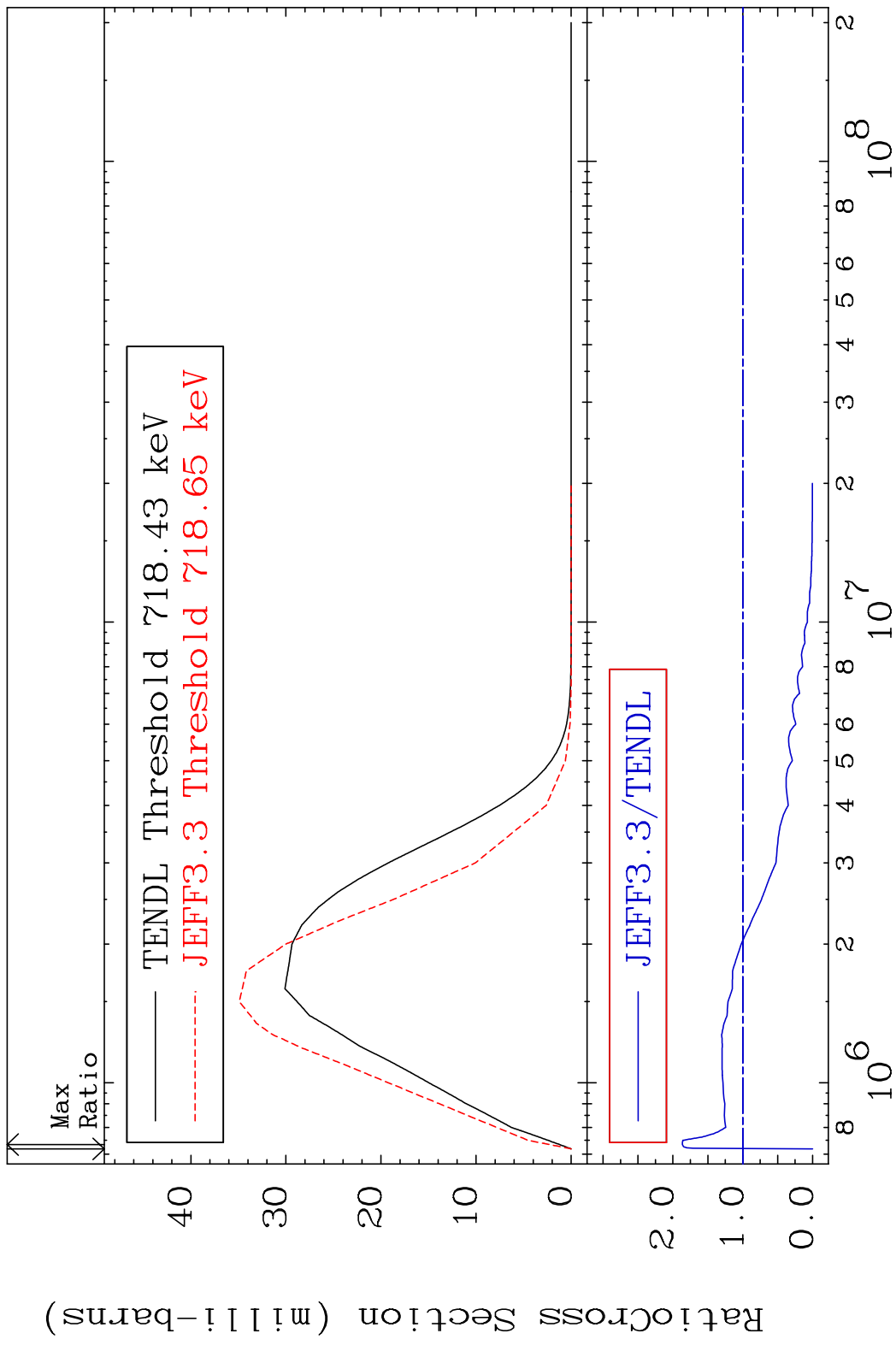
MAT 5131 MT= 51 (n,n') Level 51-Sb-123  
 Cross Section -70.94 To 8953. %



MAT 5131 MT= 52 (n, n') Level 51-Sb-123  
 Cross Section -54.94 To 9999. %

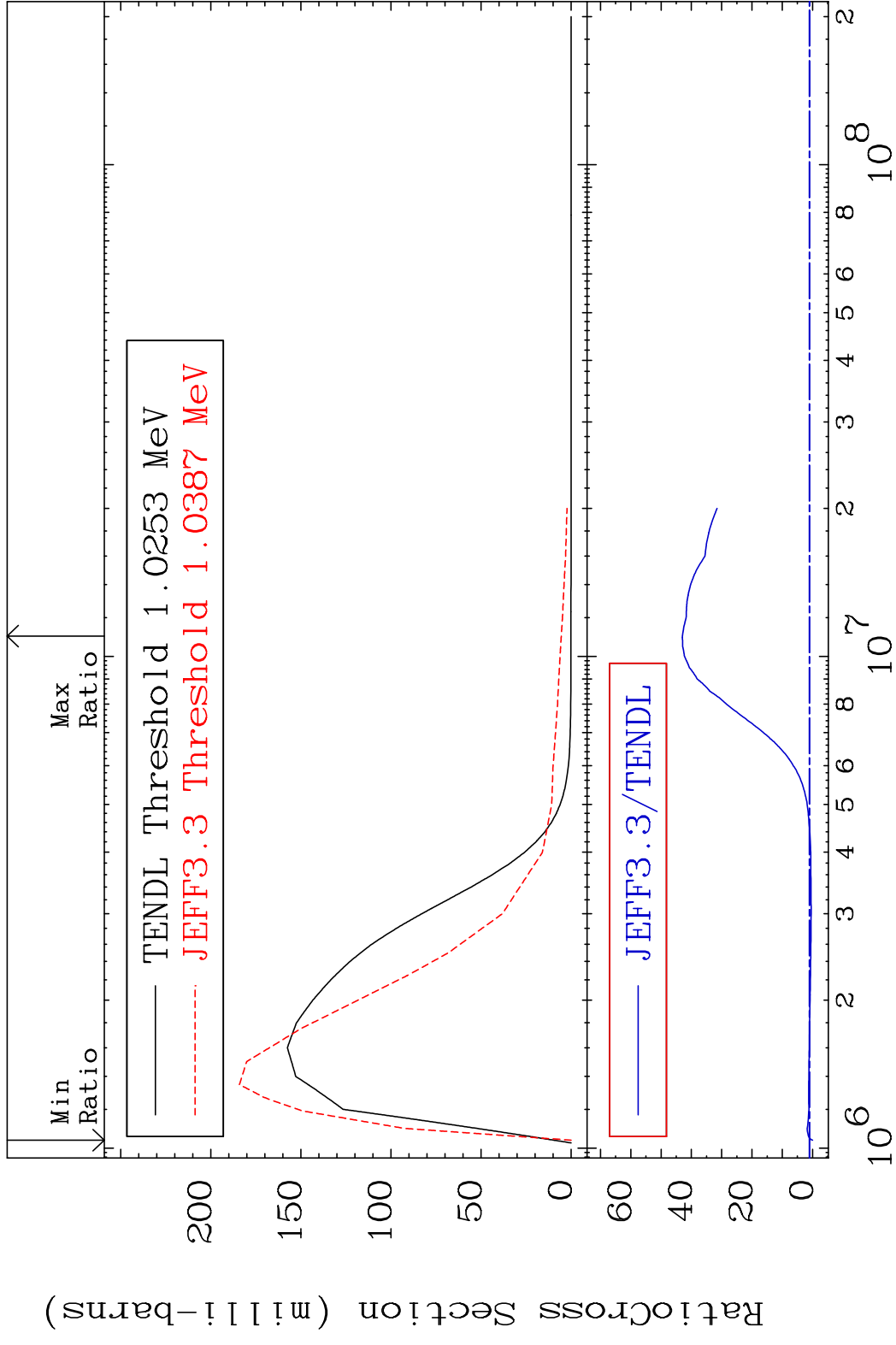


MAT 5131 MT= 53 (n, n') Level 51-Sb-123  
 Cross Section -100.0 To 86.47 %



10 Incident Energy (eV) 51-Sb-123

MAT 5131 MT= 54 (n, n') Level 51-Sb-123  
 Cross Section -100.0 To 4197. %



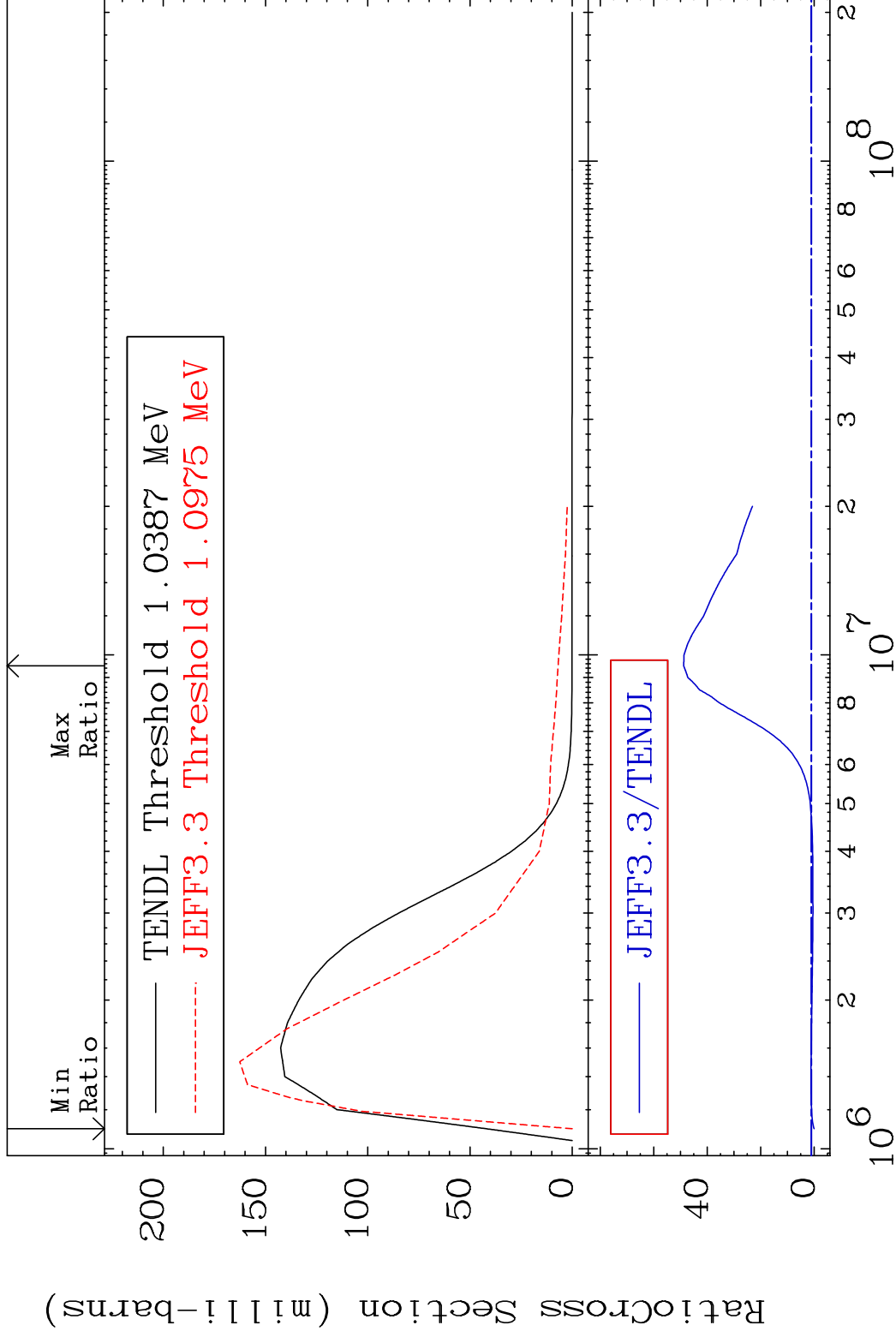
11 Incident Energy (eV) 51-Sb-123

MAT 5131

MT= 55 (n,n') Level

51-Sb-123

Cross Section -100.0 To 4779. %

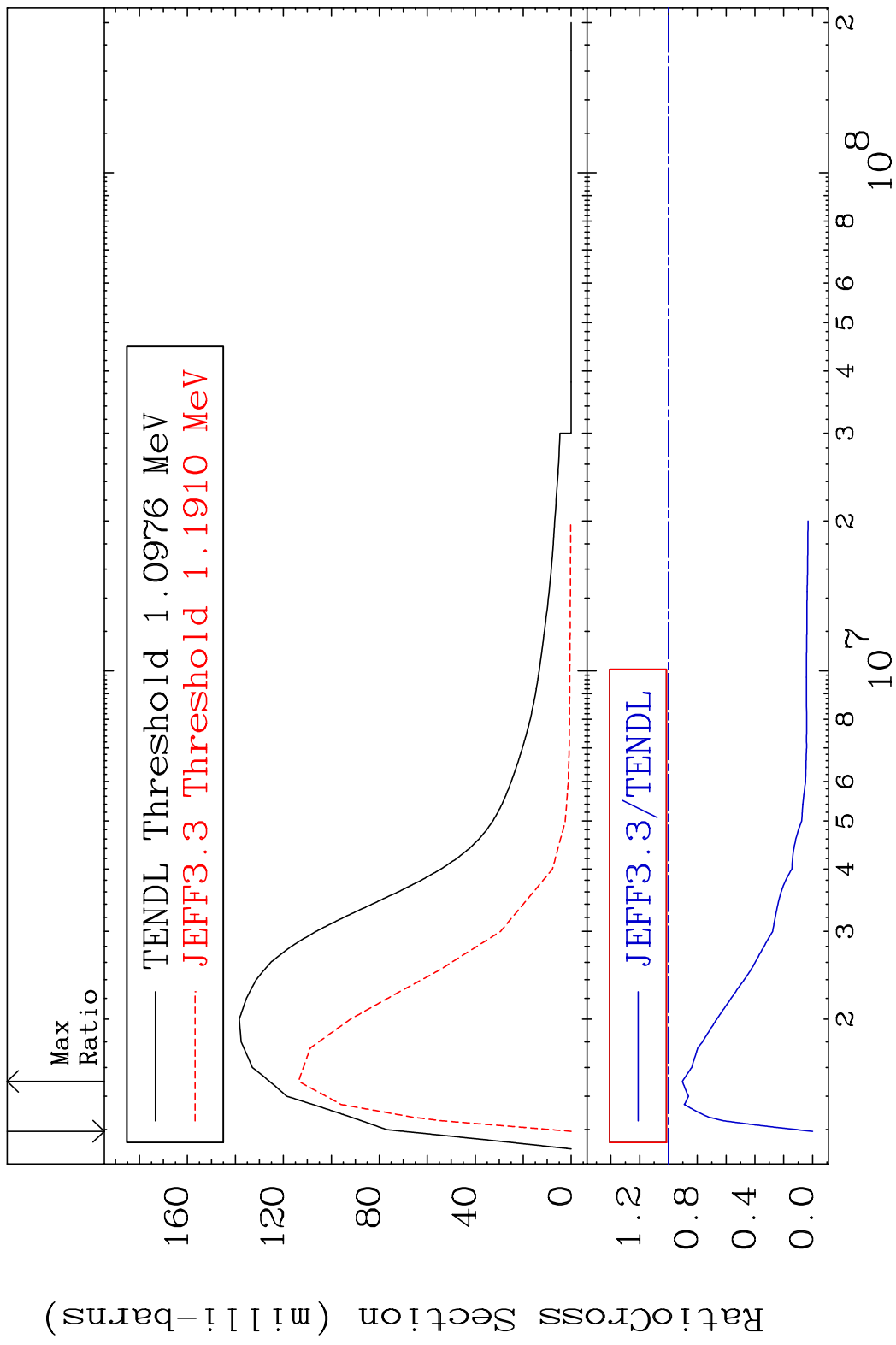


12

Incident Energy (eV)

51-Sb-123

MAT 5131 MT= 56 (n,n') Level 51-Sb-123  
 Cross Section -100.0 To -9.617%

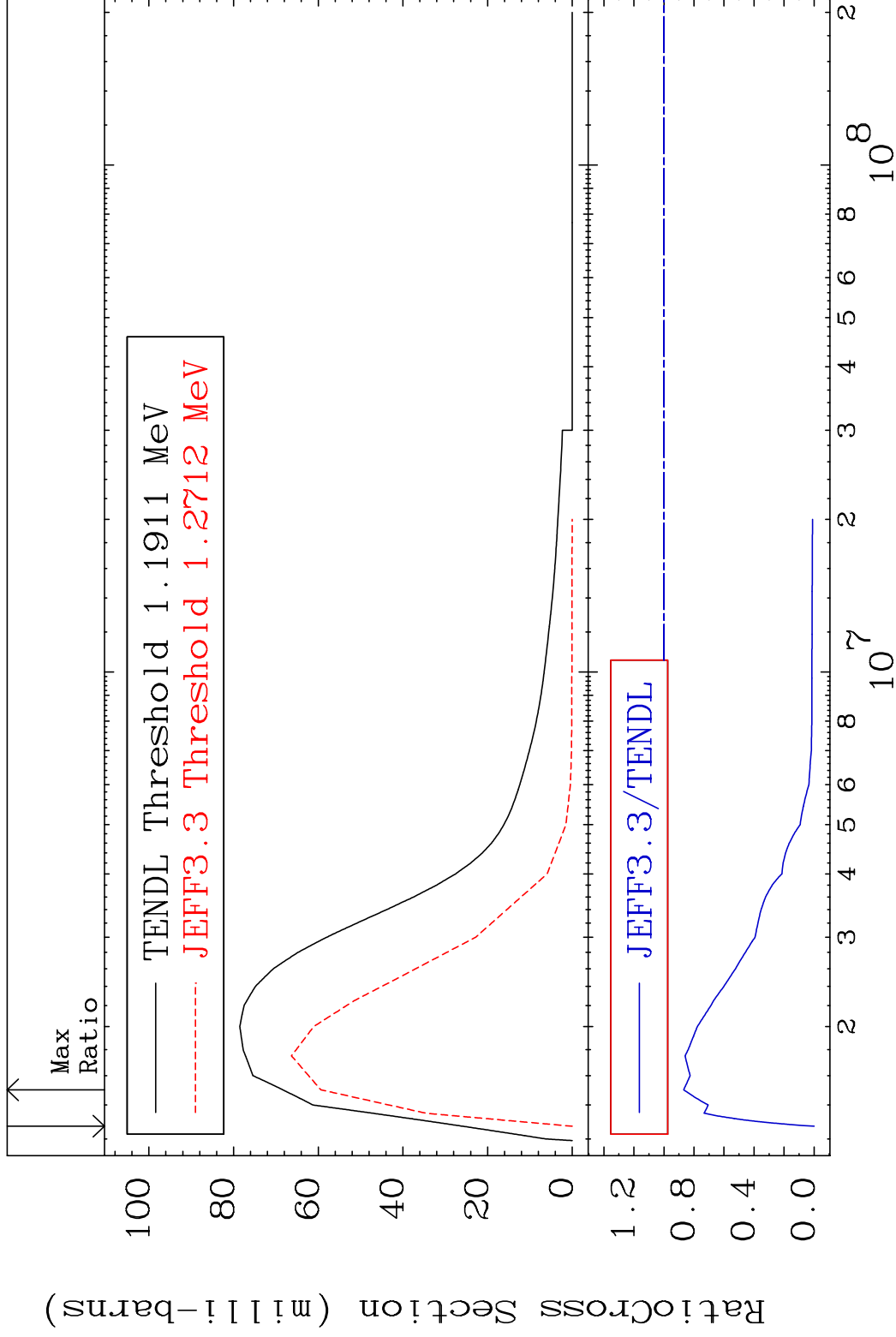


MAT 5131

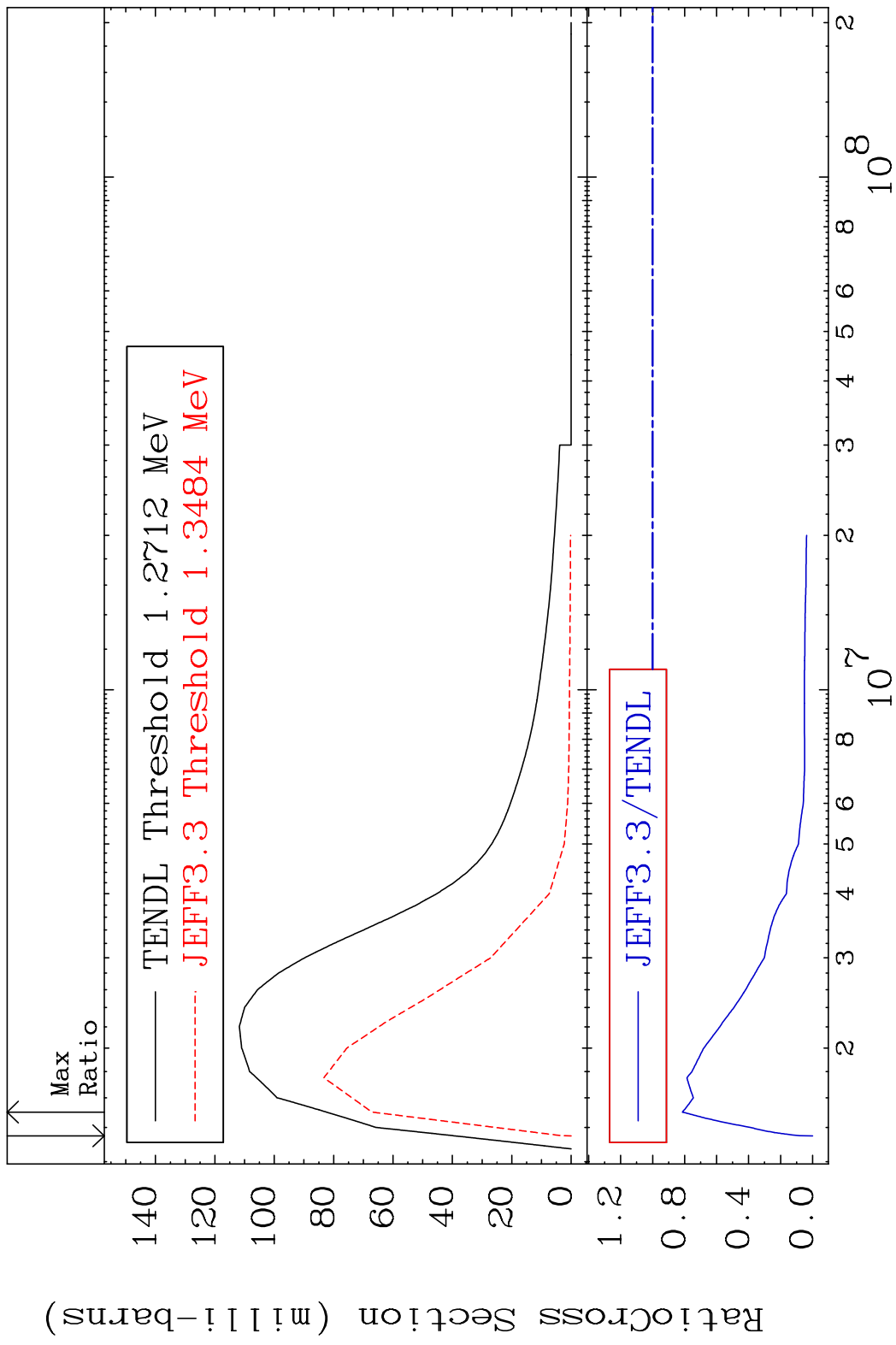
MT= 57 (n, n') Level

51-Sb-123

Cross Section -100.0 To -13.13%



MAT 5131 MT= 58 (n,n') Level 51-Sb-123  
 Cross Section -100.0 To -18.58%



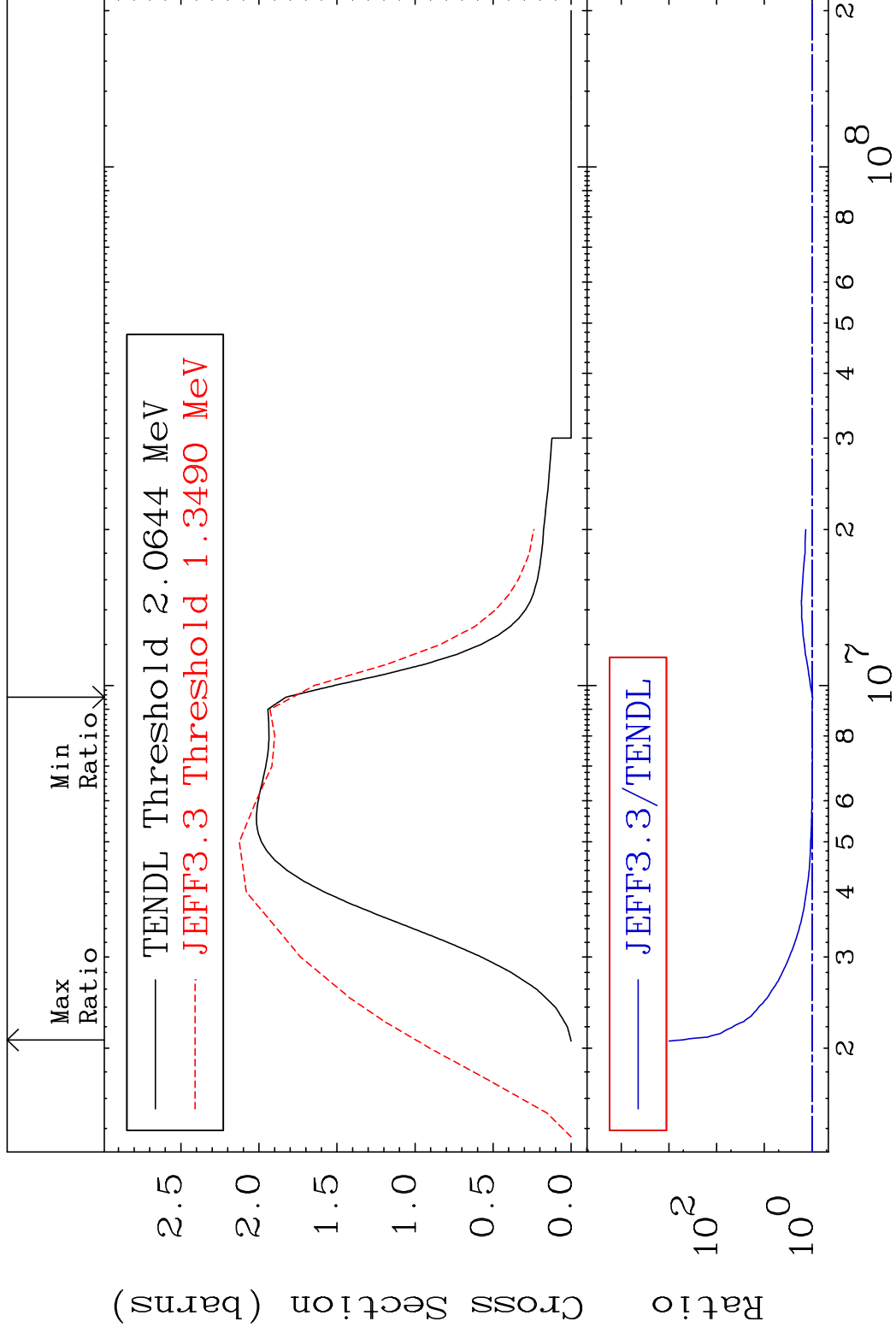


MAT 5131

(n, n') Continuum

51-Sb-123

Cross Section -2.326 To 9999. %

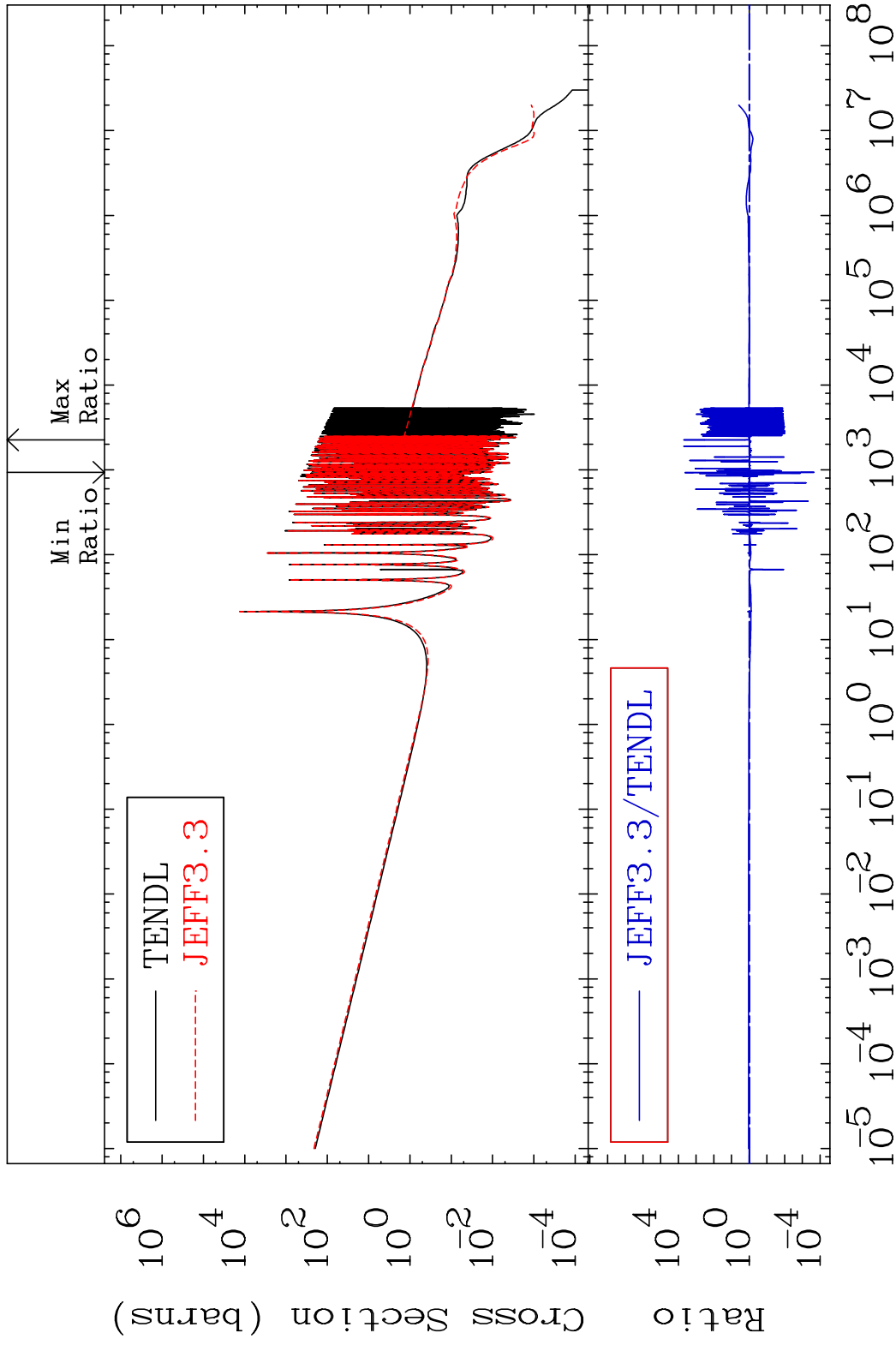


MAT 5131

(n,  $\gamma$ )

51-Sb-123

Cross Section -99.98 To 9999. %



17

Incident Energy (eV)

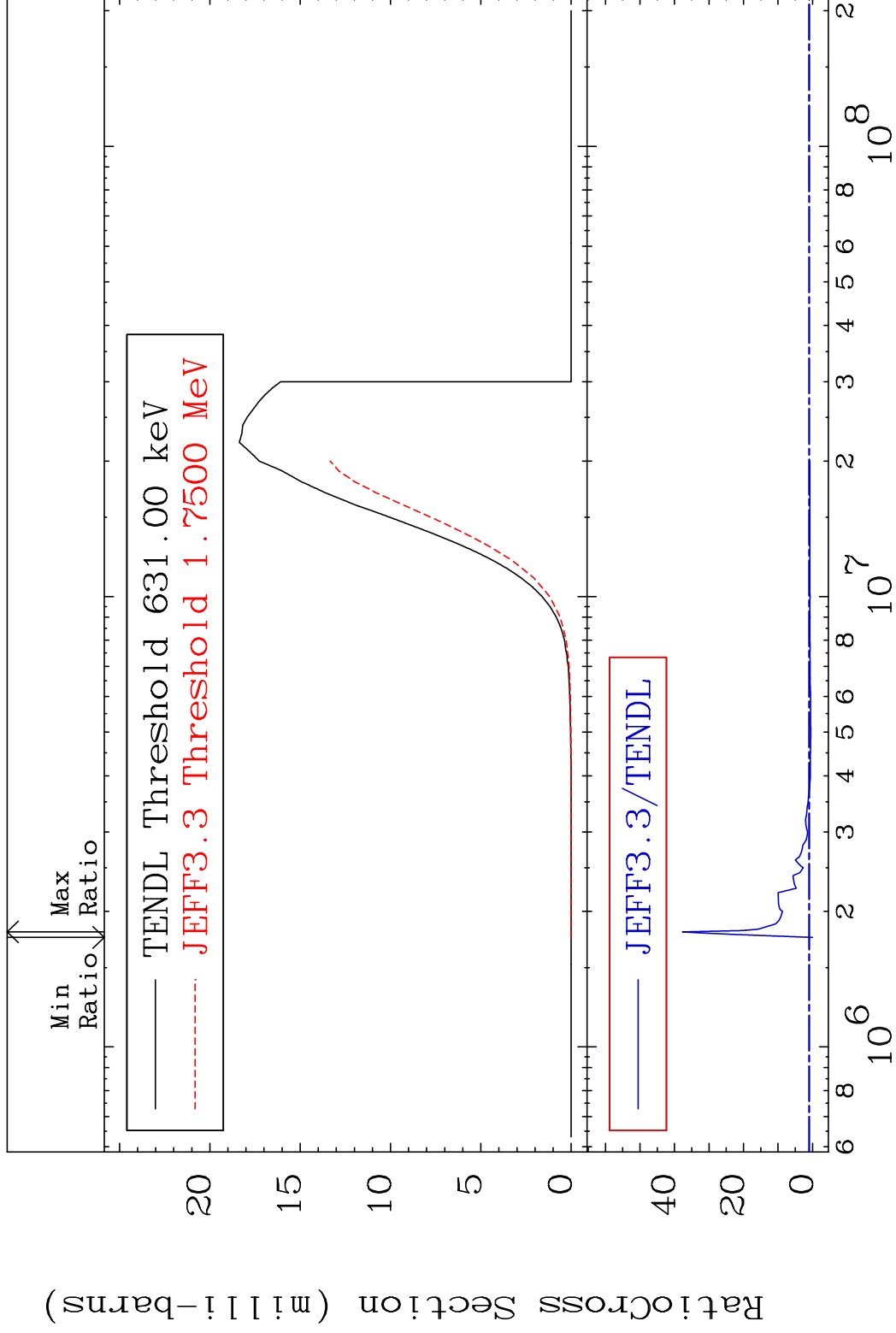
51-Sb-123

MAT 5131

(n, p)

51-Sb-123

Cross Section -100.0 To 3672. %



18

Incident Energy (eV)

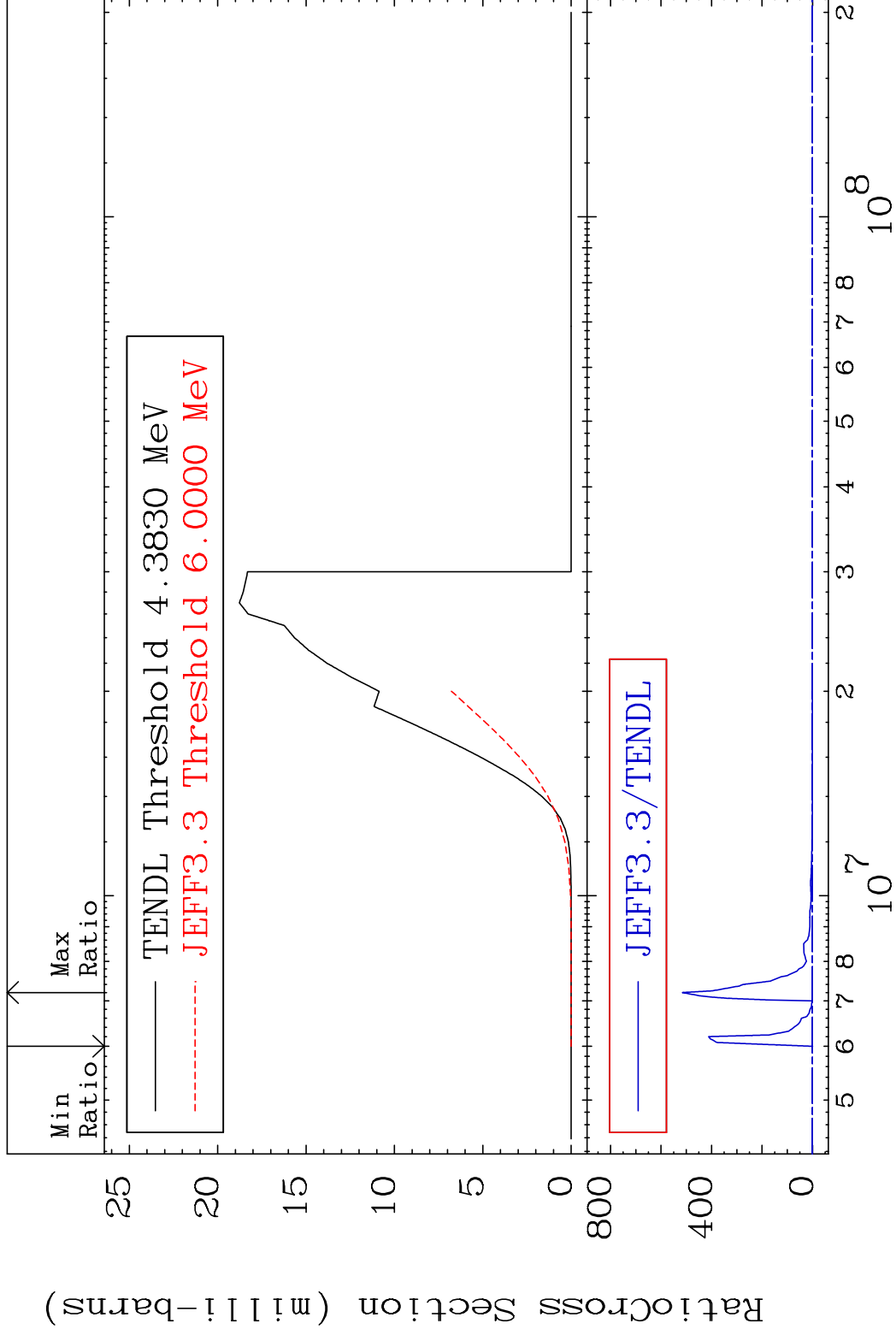
51-Sb-123

MAT 5131

(n,d)

51-Sb-123

Cross Section -100.0 To 9999. %



19

Incident Energy (eV)

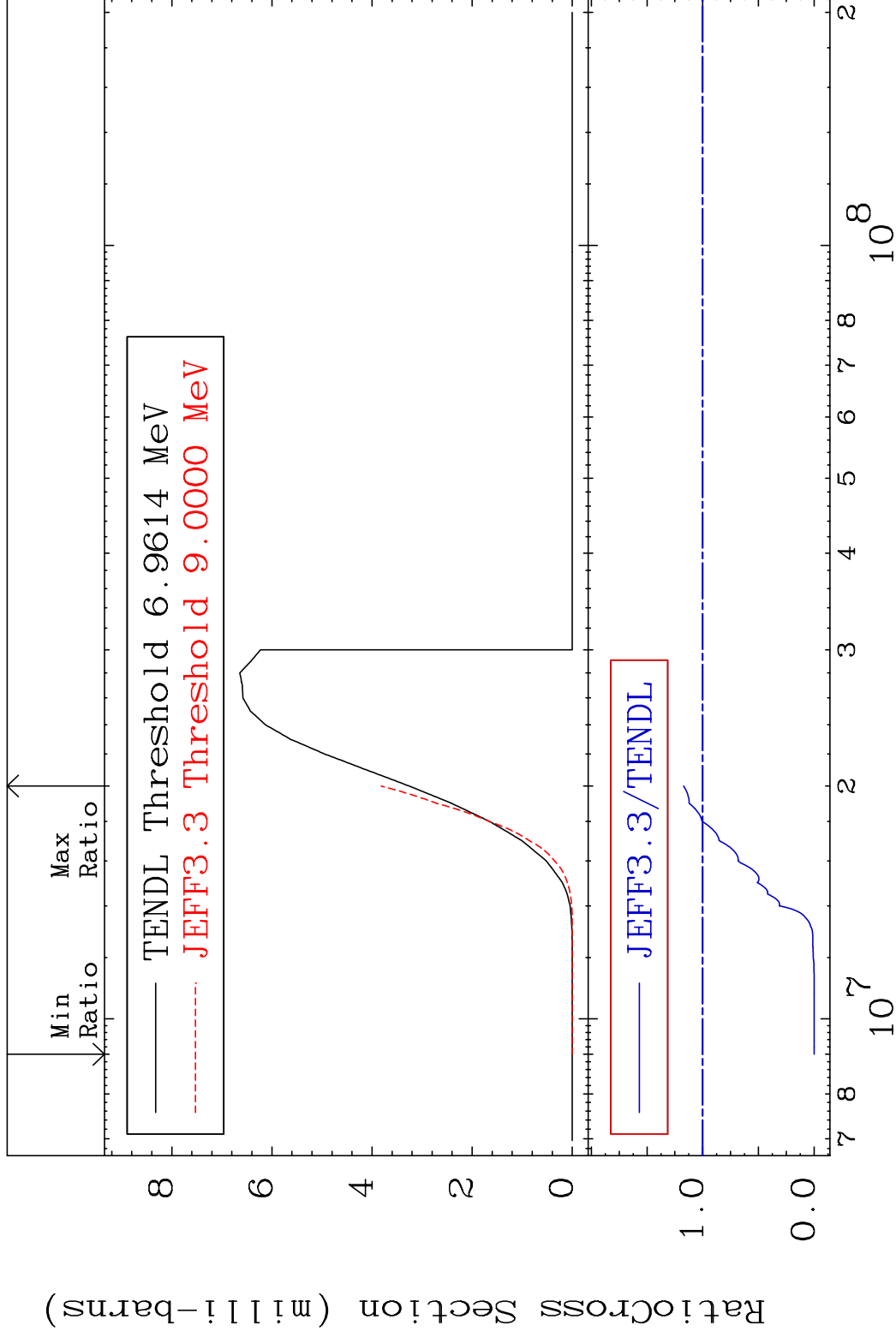
51-Sb-123

MAT 5131

(n, t)

51-Sb-123

Cross Section -100.0 To 17.13 %



20

Incident Energy (eV)

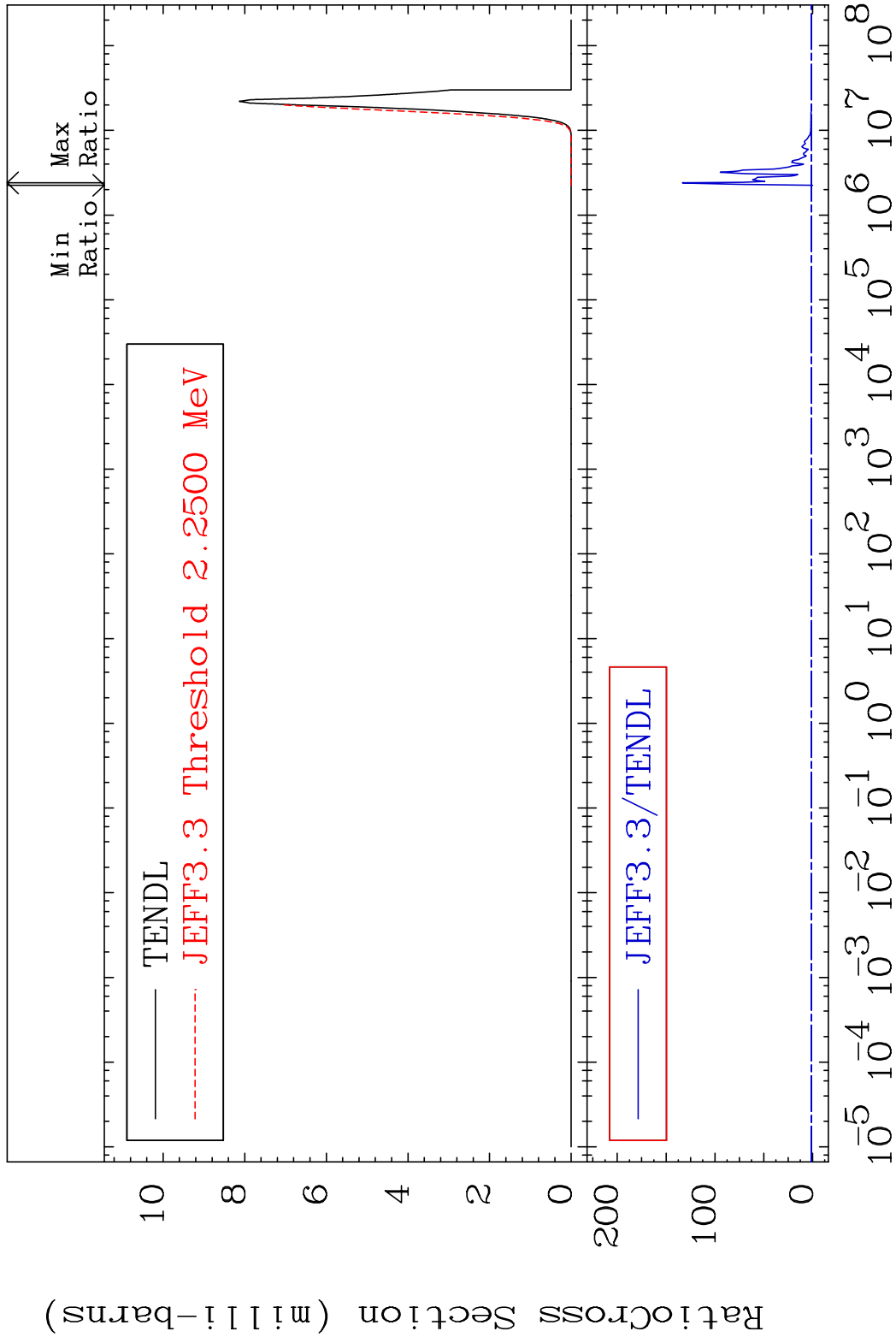
51-Sb-123

MAT 5131

(n,  $\alpha$ )

51-Sb-123

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

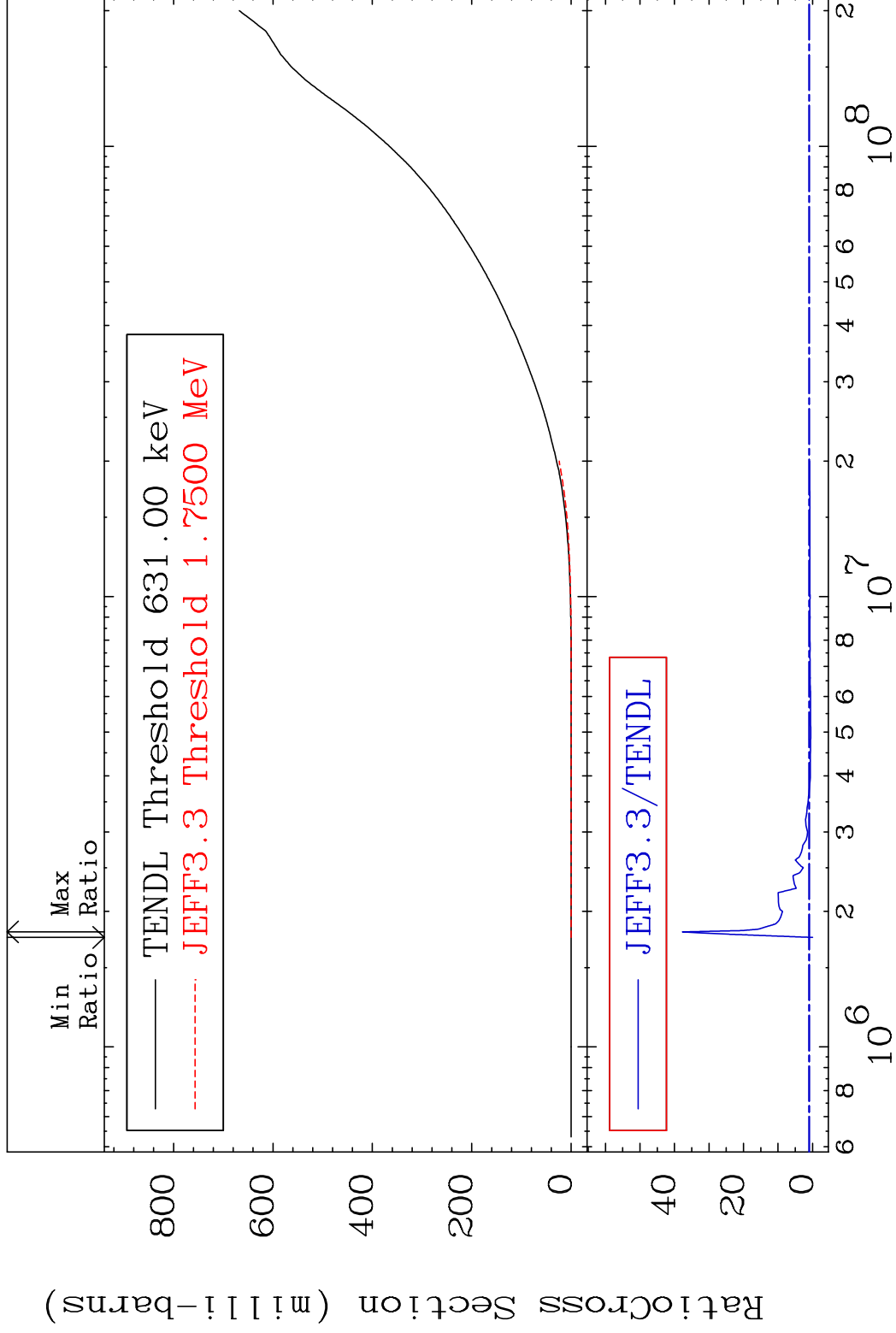
51-Sb-123

MAT 5131

Hydrogen Production

51-Sb-123

Cross Section -100.0 To 3672. %



22

Incident Energy (eV)

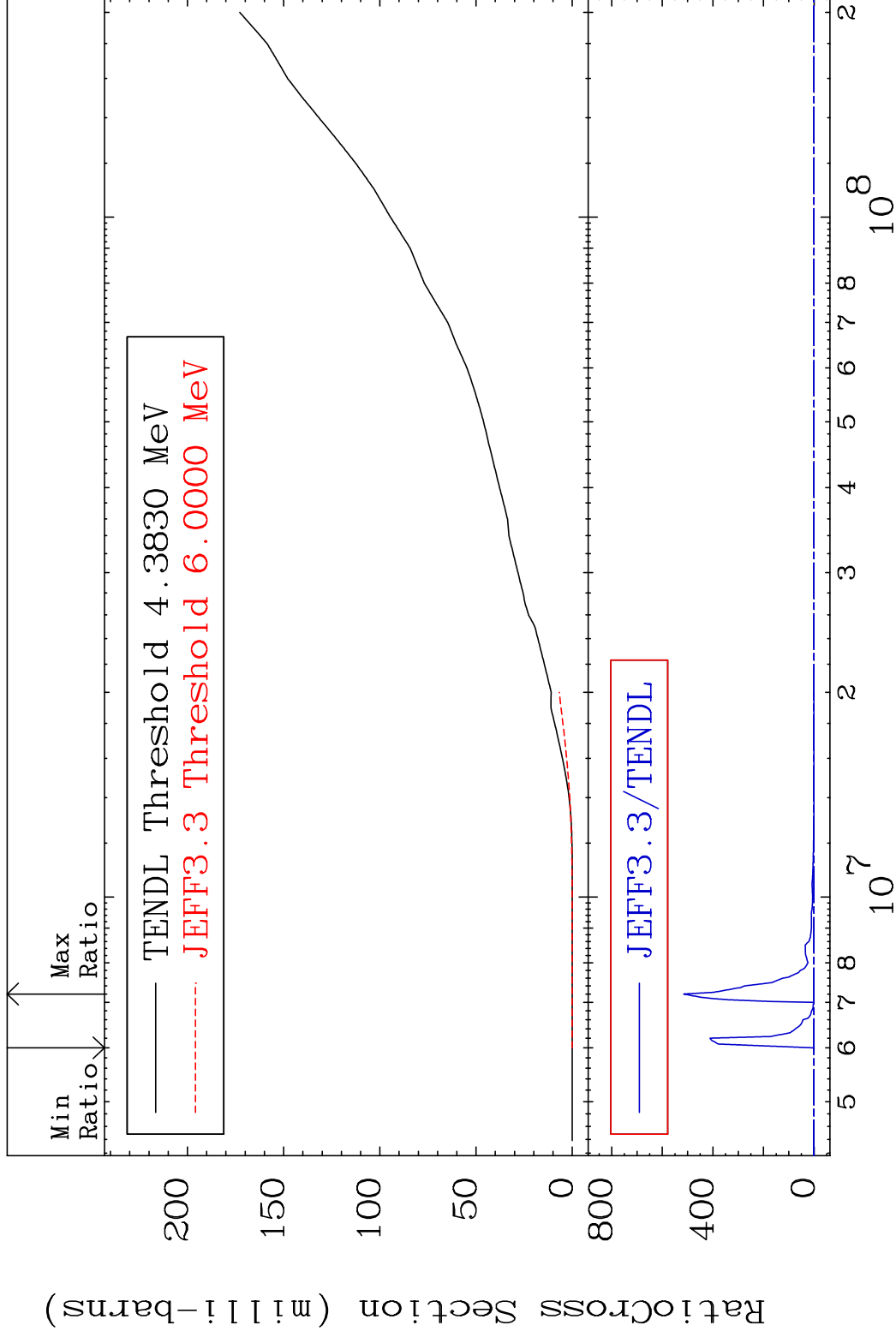
51-Sb-123

MAT 5131

Deuterium Production

51-Sb-123

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

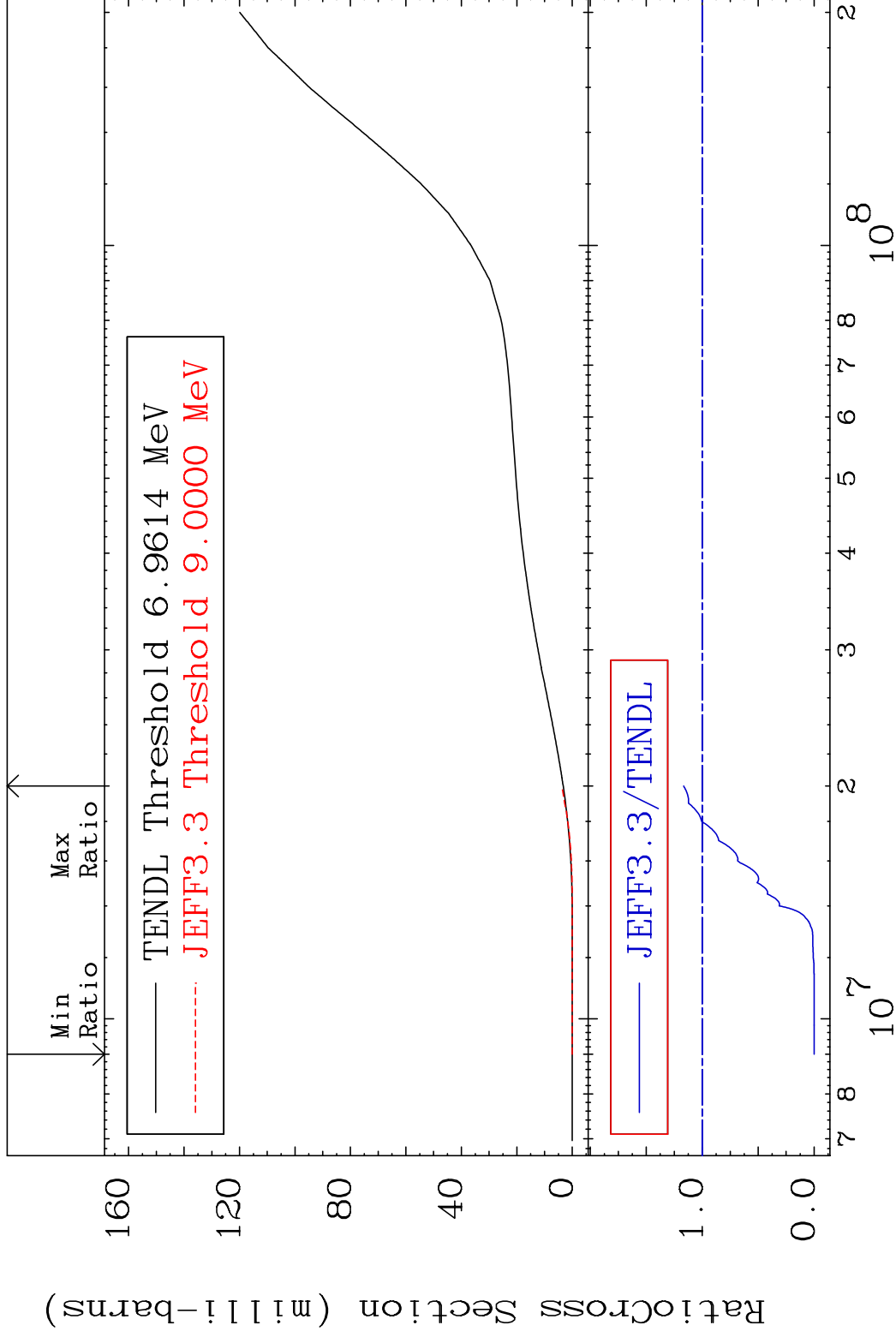
51-Sb-123



MAT 5131

Tritium Production 51-Sb-123

Cross Section -100.0 To 16.59 %



24

Incident Energy (eV)

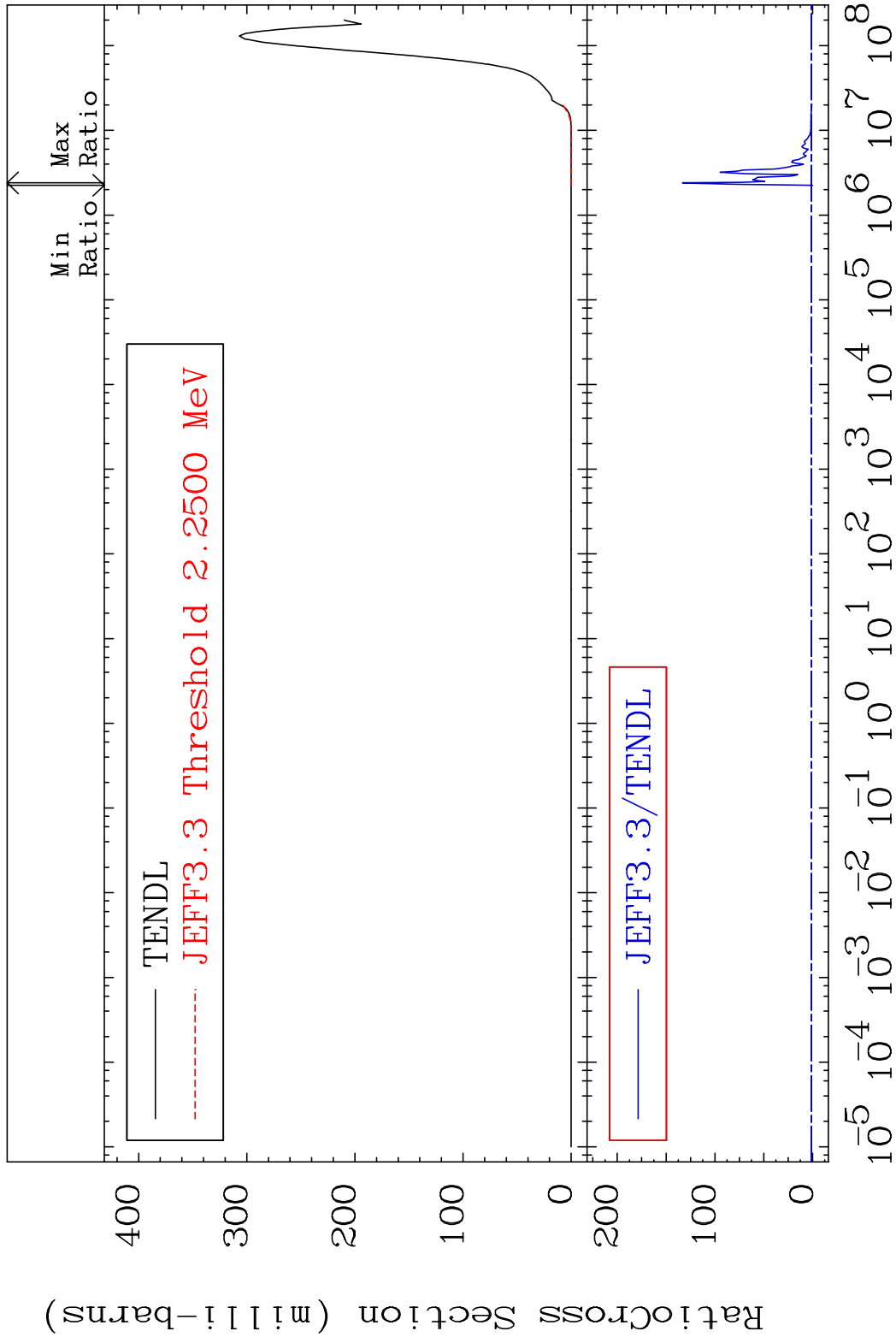
51-Sb-123

MAT 5131

He-4 Production

51-Sb-123

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

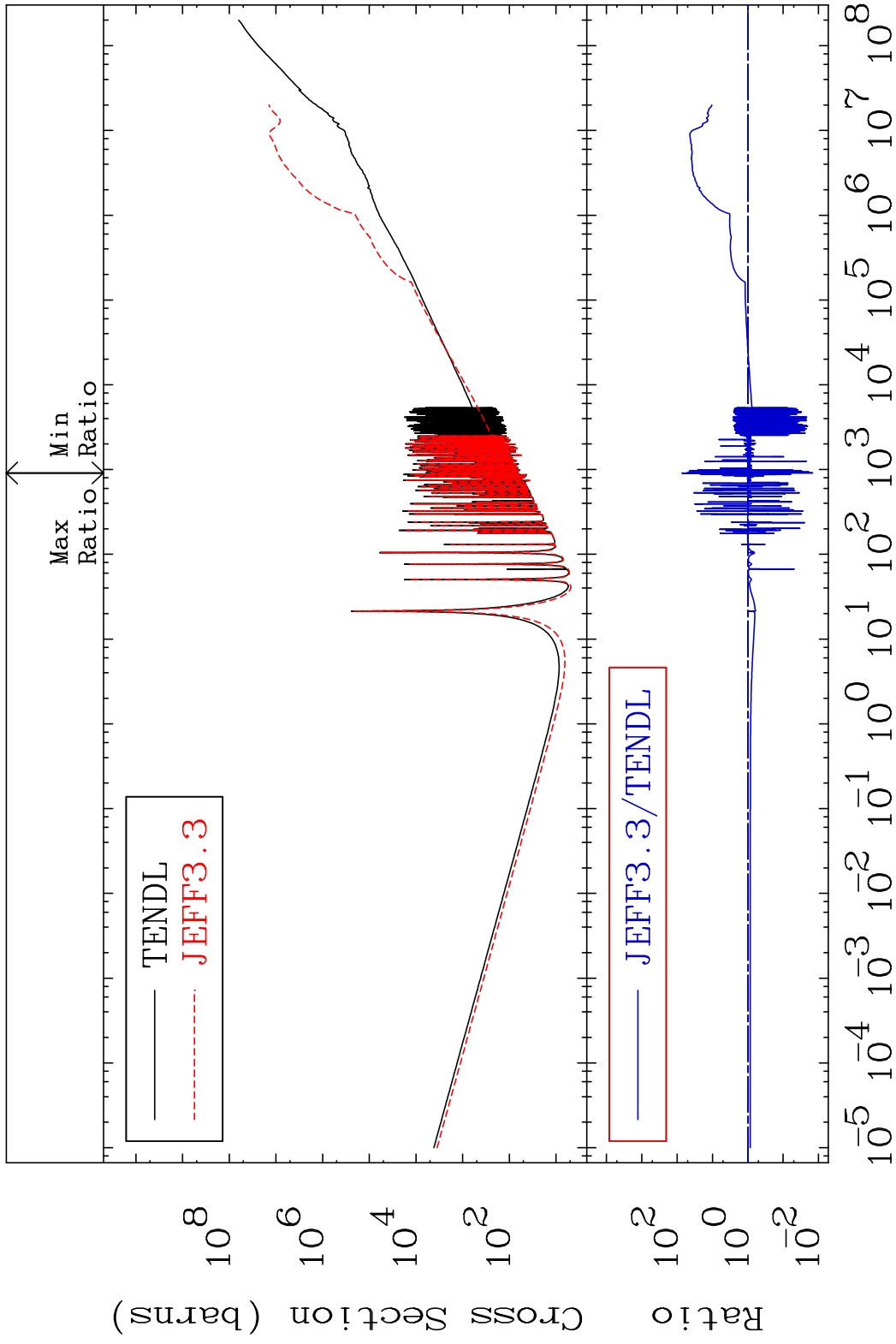
51-Sb-123

MAT 5131

Kerma total (eV-barns)

51-Sb-123

Cross Section -98.51 To 7092. %



26

Incident Energy (eV)

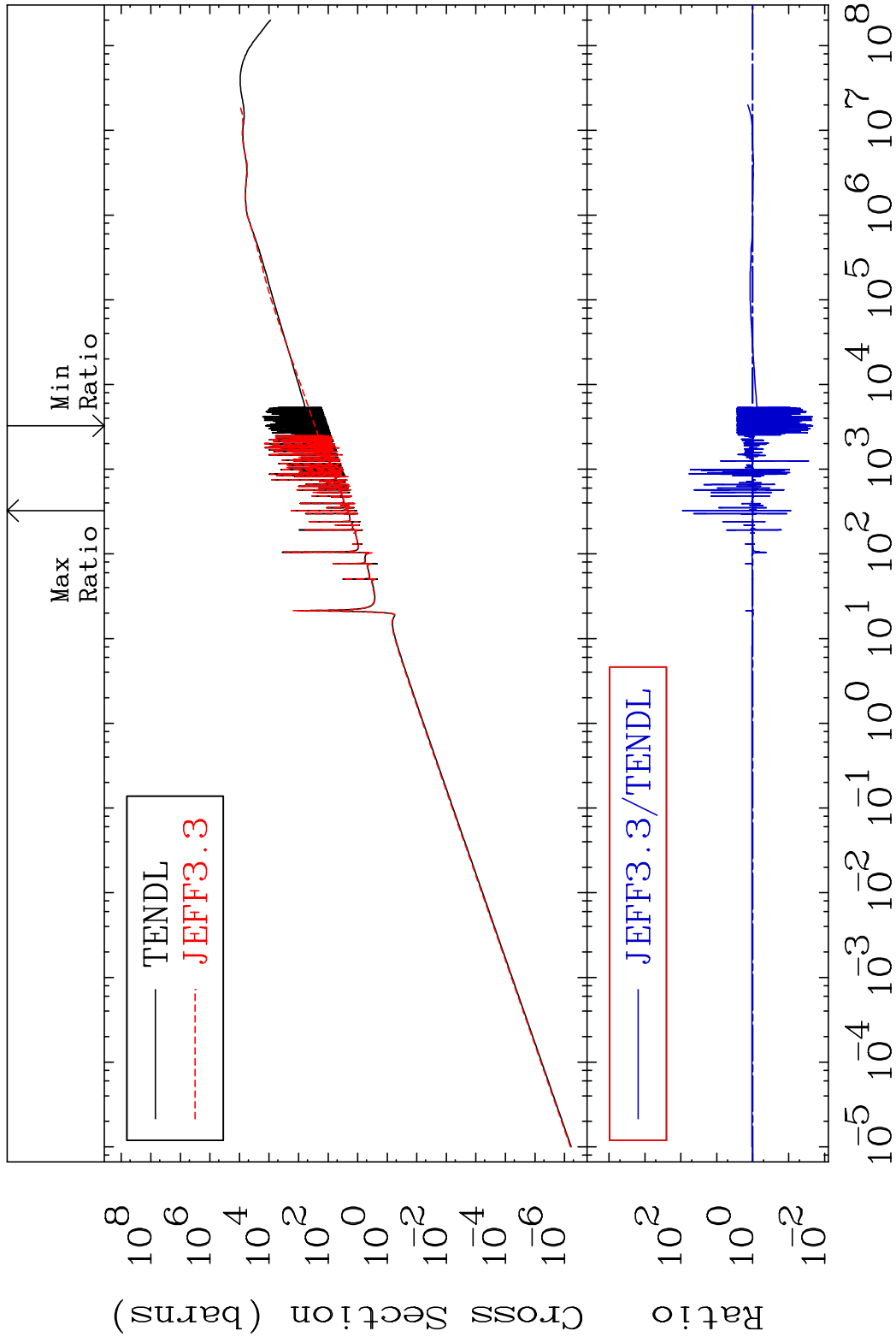
51-Sb-123

MAT 5131

Kerma elastic

51-Sb-123

Cross Section -97.84 To 8999. %

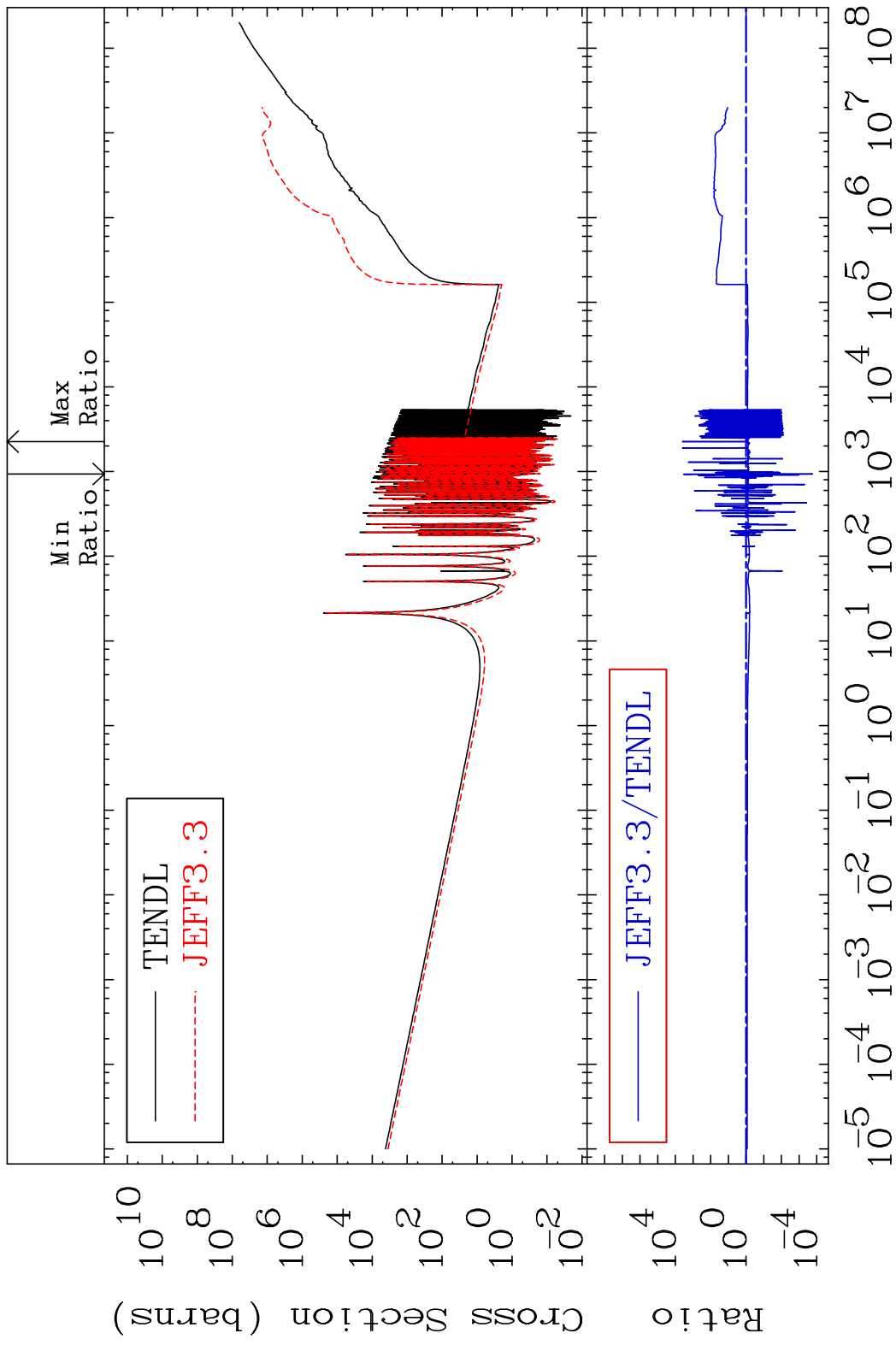


27

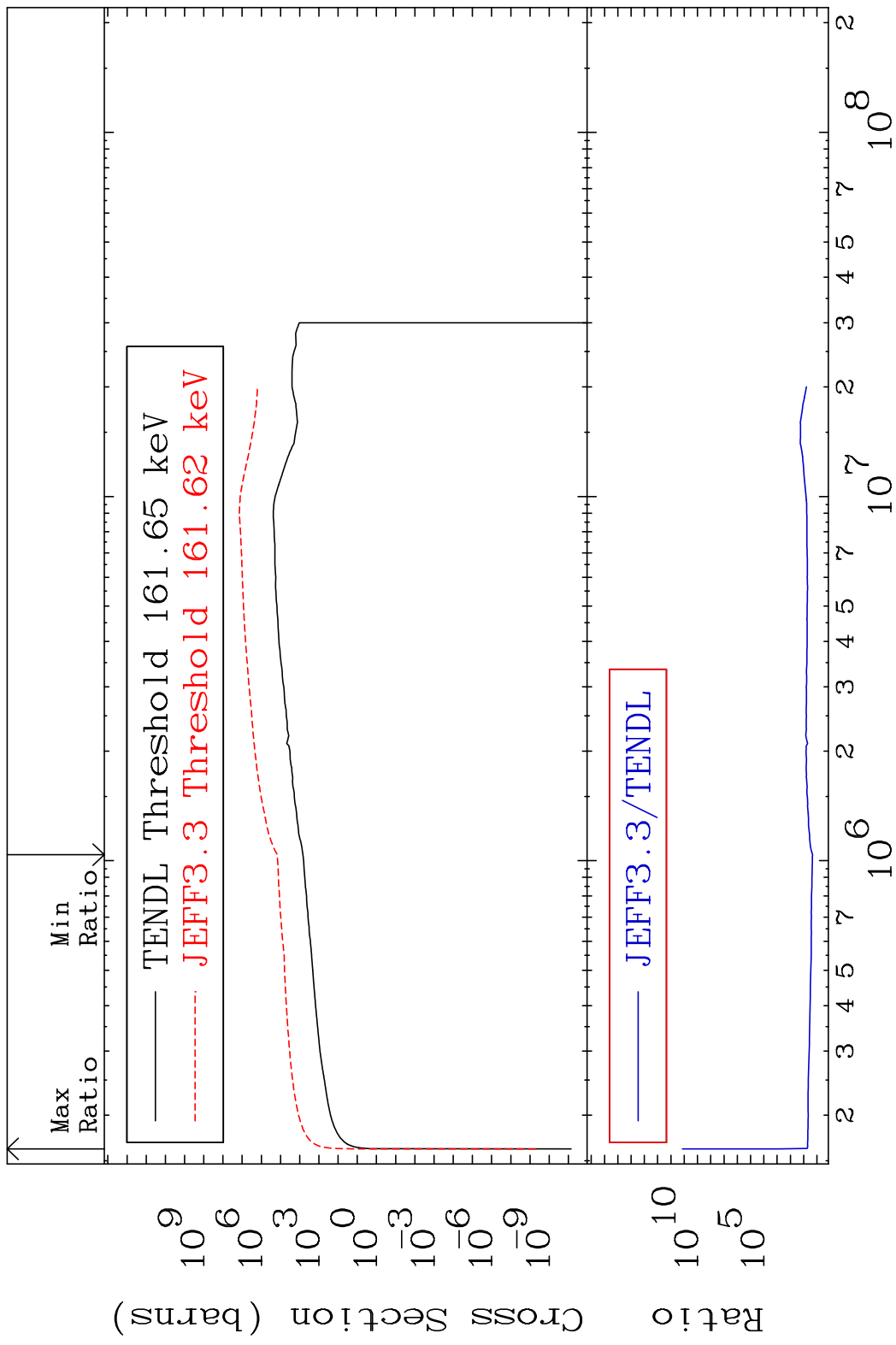
Incident Energy (eV)

51-Sb-123

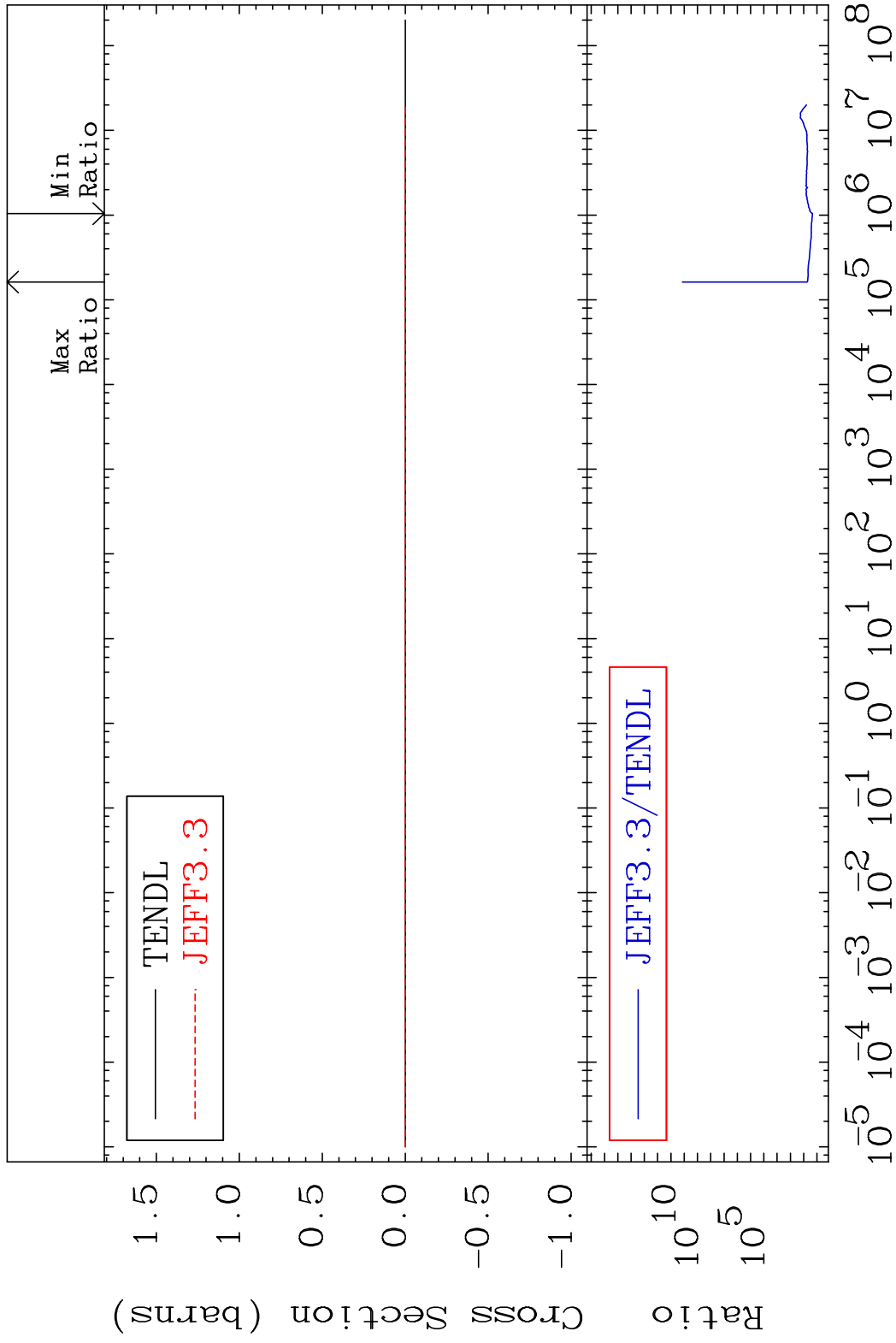
MAT 5131 Kerma non-elastic (all but mt2) 51-Sb-123  
 Cross Section -99.98 To 9999. %



MAT 5131 Kerma inelastic (mt51-91) 51-Sb-123  
 Cross Section 2052. To 9999. %



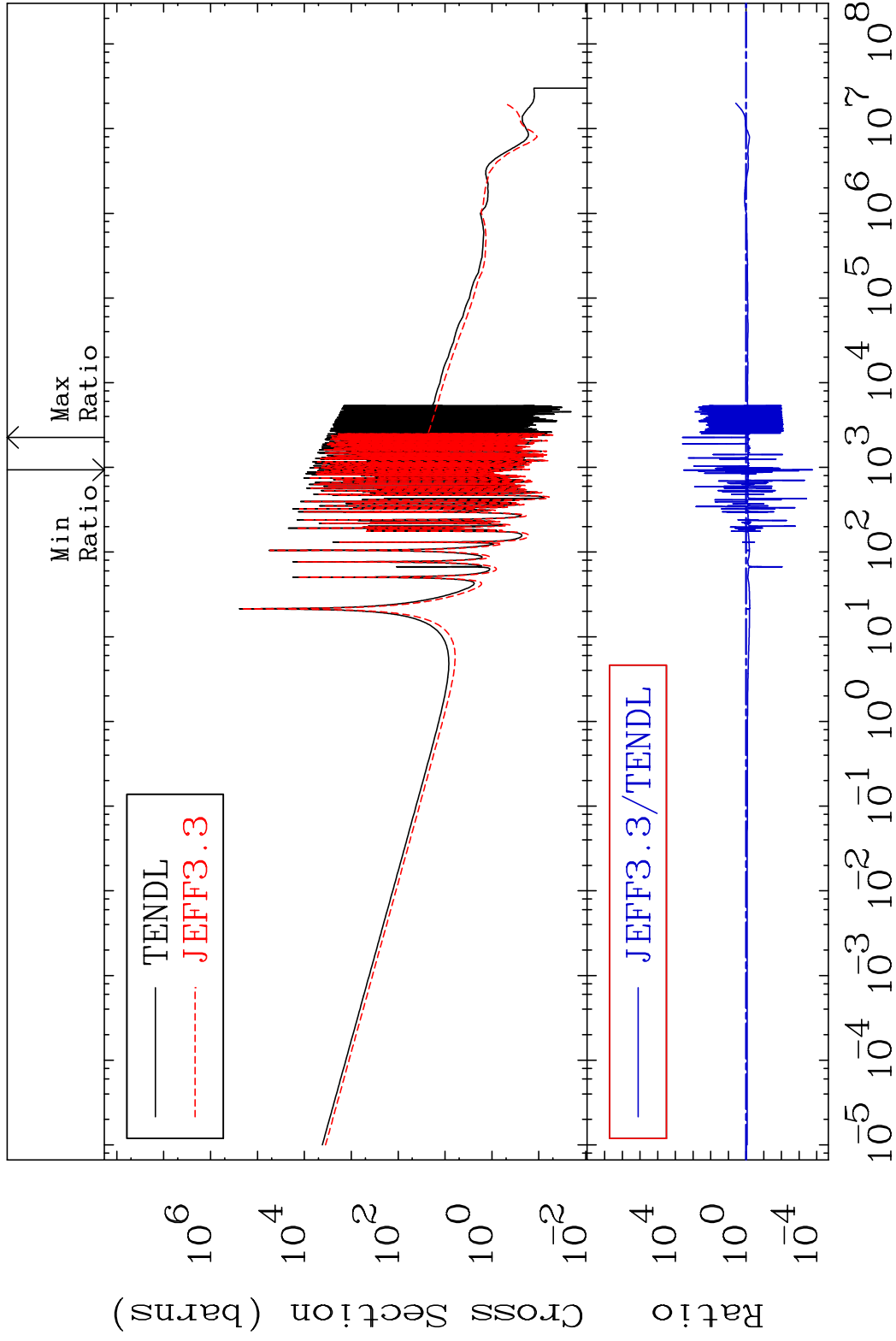
MAT 5131 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-123  
 Cross Section 2052. To 9999. %



MAT 5131

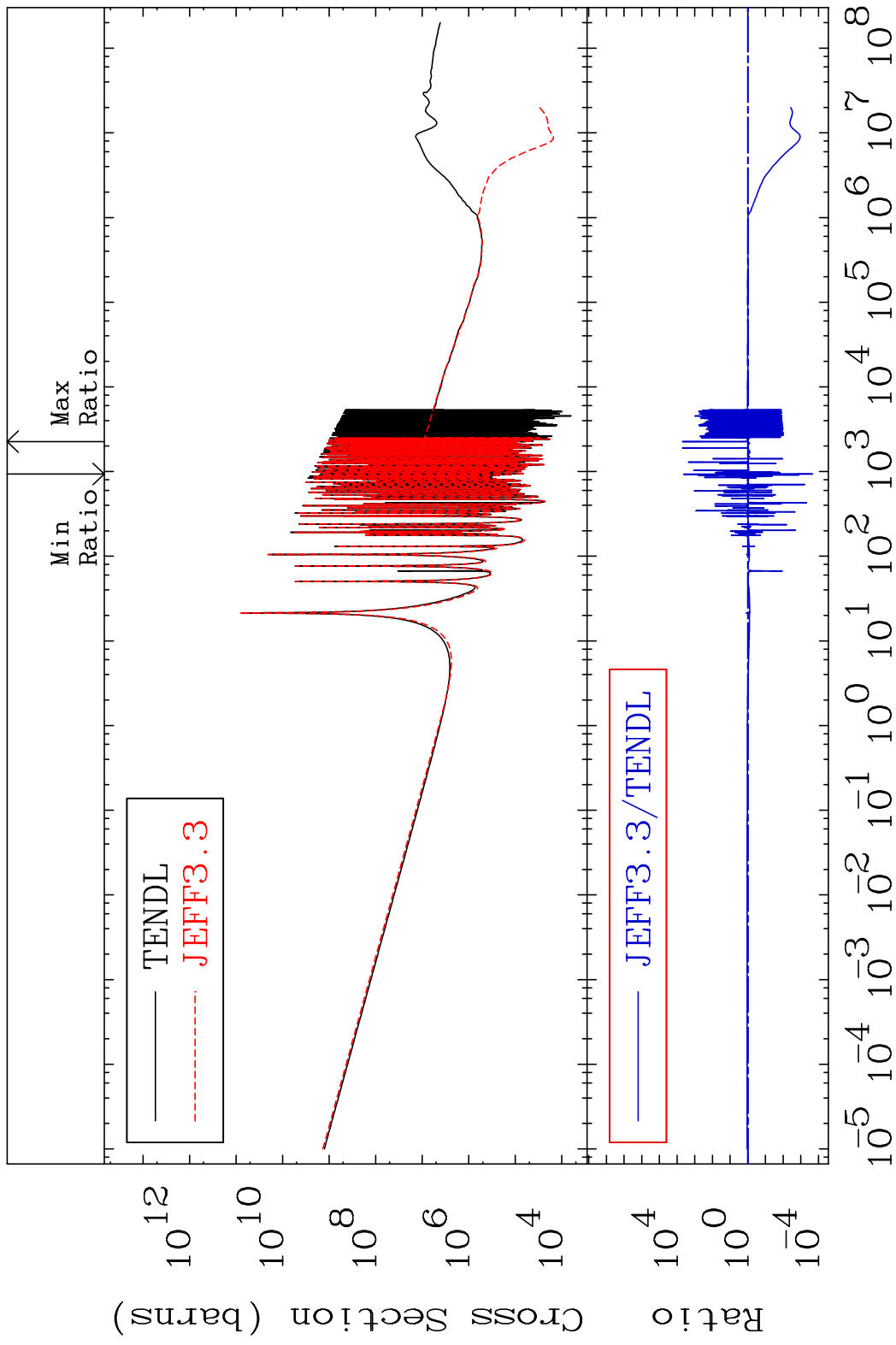
Kerma capture (mt102) 51-Sb-123

Cross Section -99.98 To 9999. %

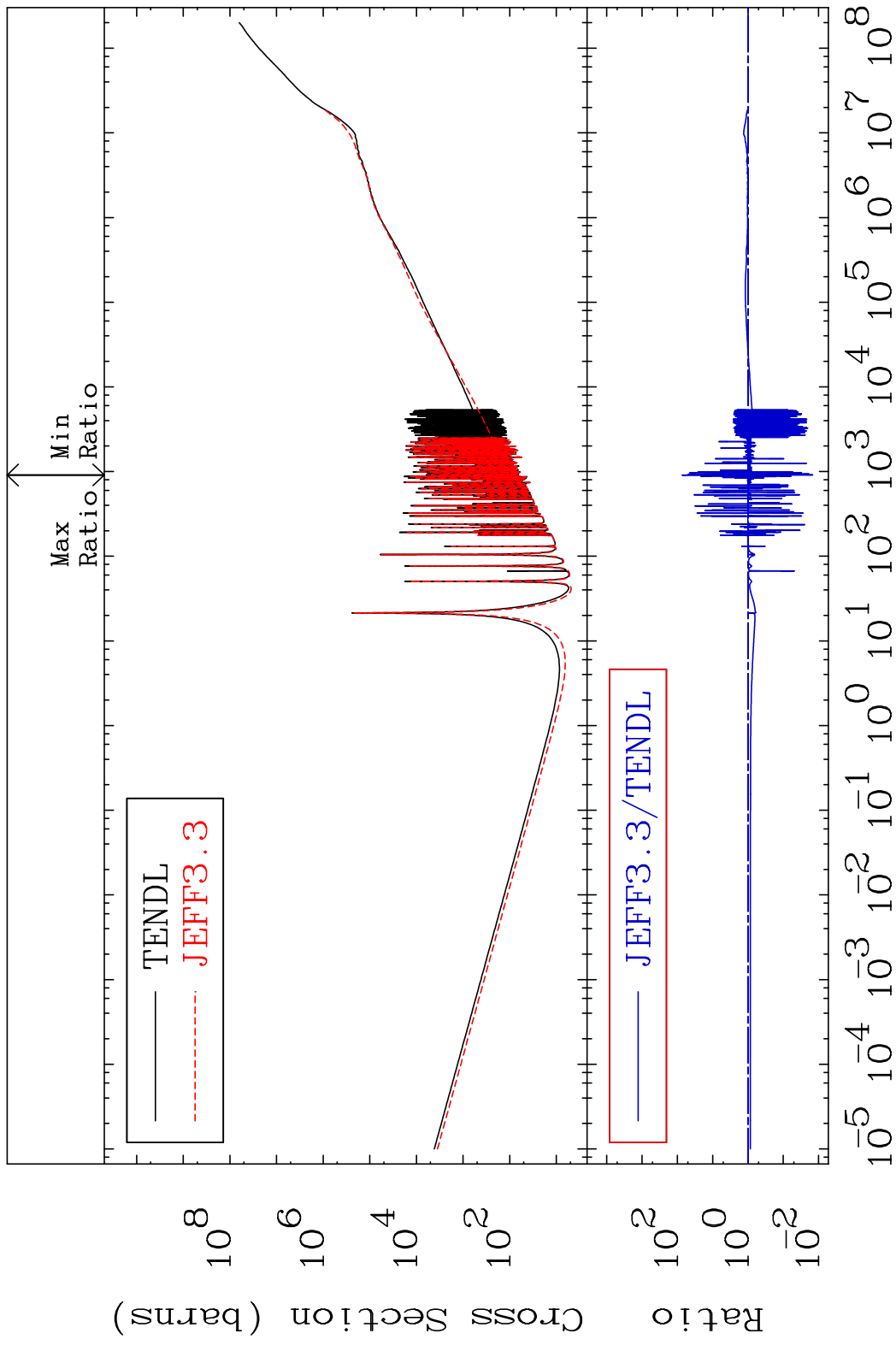




MAT 5131 Total photon (eV-barns) 51-Sb-123  
 Cross Section -99.98 To 9999. %



MAT 5131 Total kinematic kerma (high limit) 51-Sb-123  
 Cross Section -98.51 To 7092. %

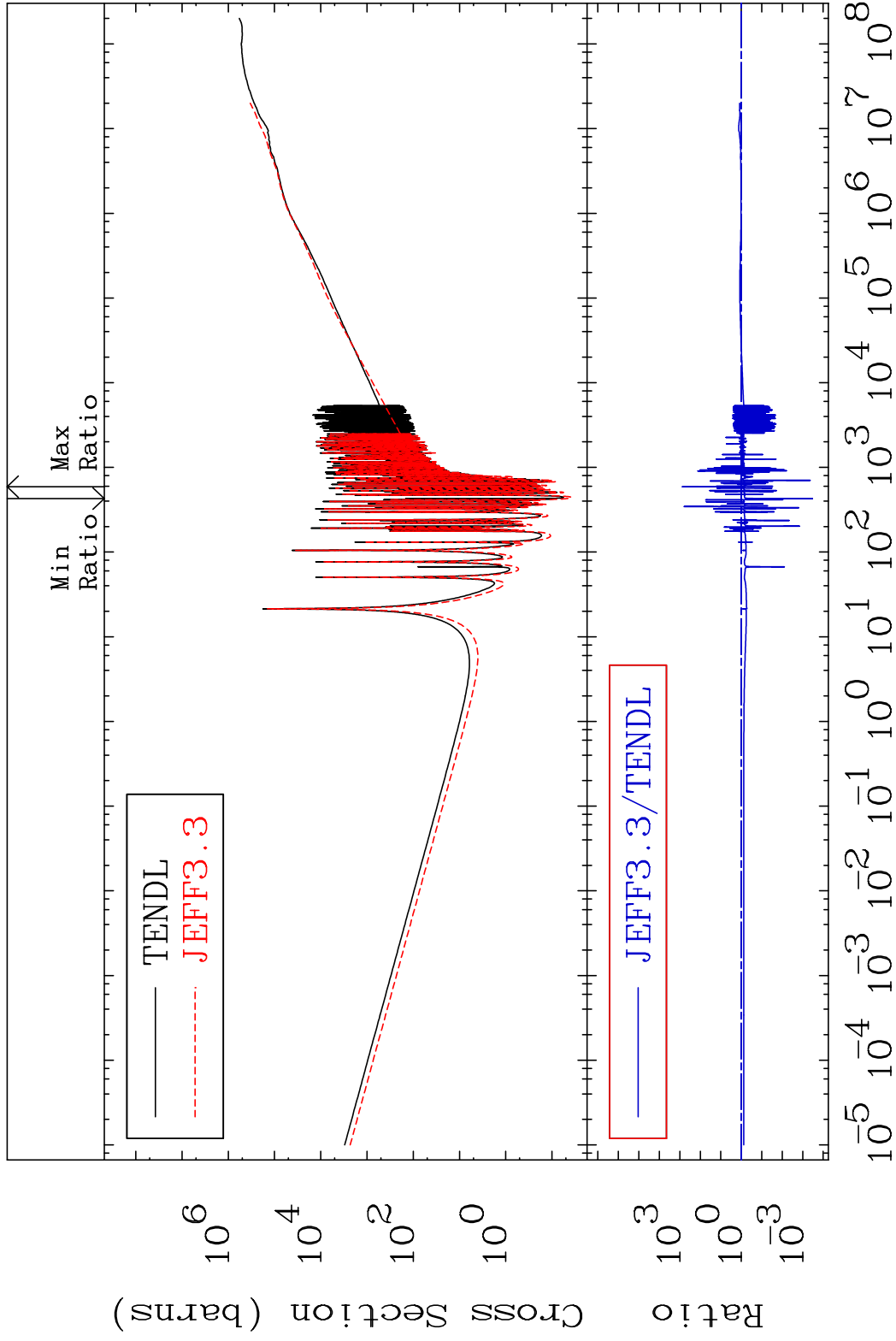


MAT 5131

Dpa total (eV-barns)

51-Sb-123

Cross Section -99.97 To 9999. %



34

Incident Energy (eV)

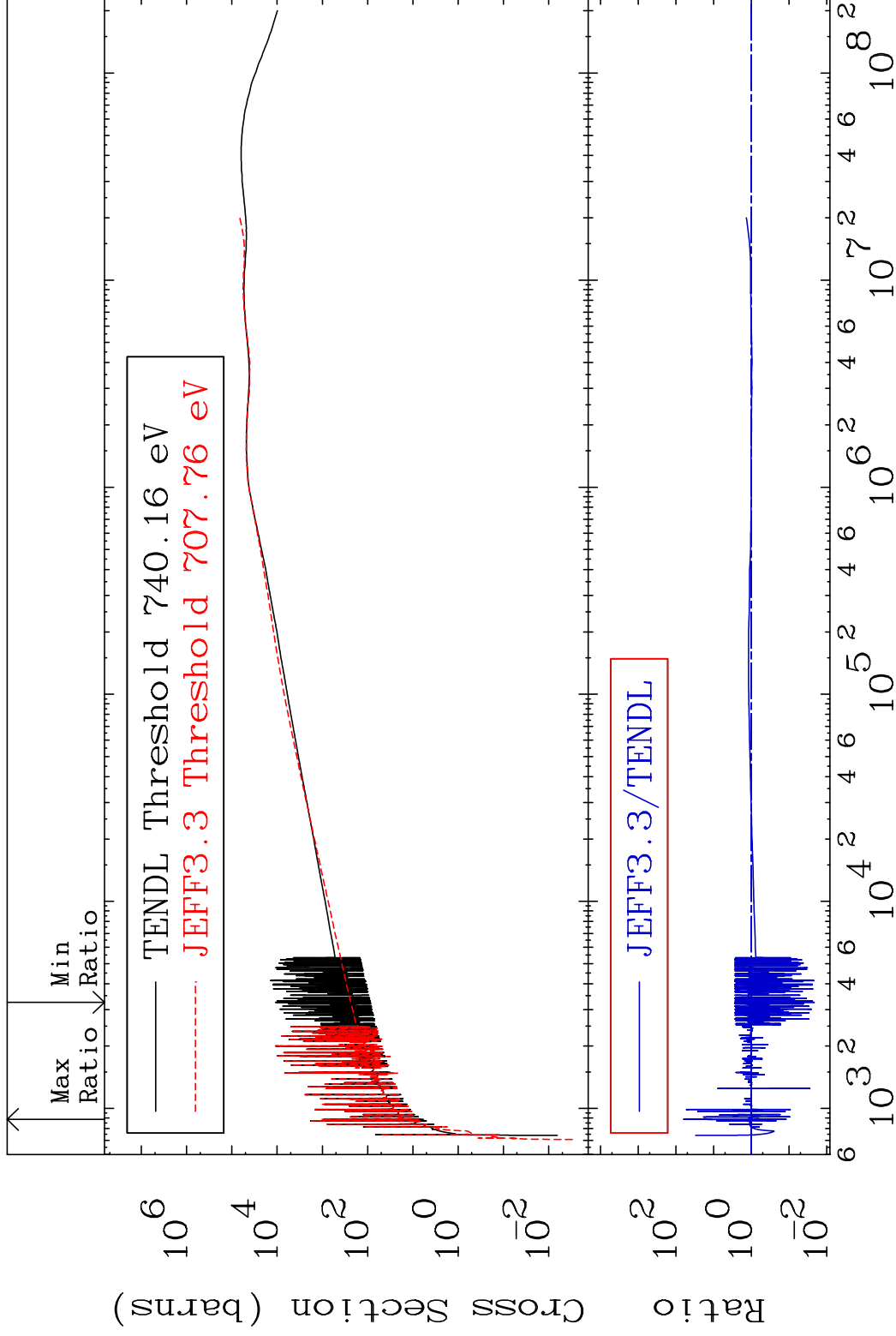
51-Sb-123

MAT 5131

Dpa elastic (mt2)

51-Sb-123

Cross Section -97.84 To 6146. %



35

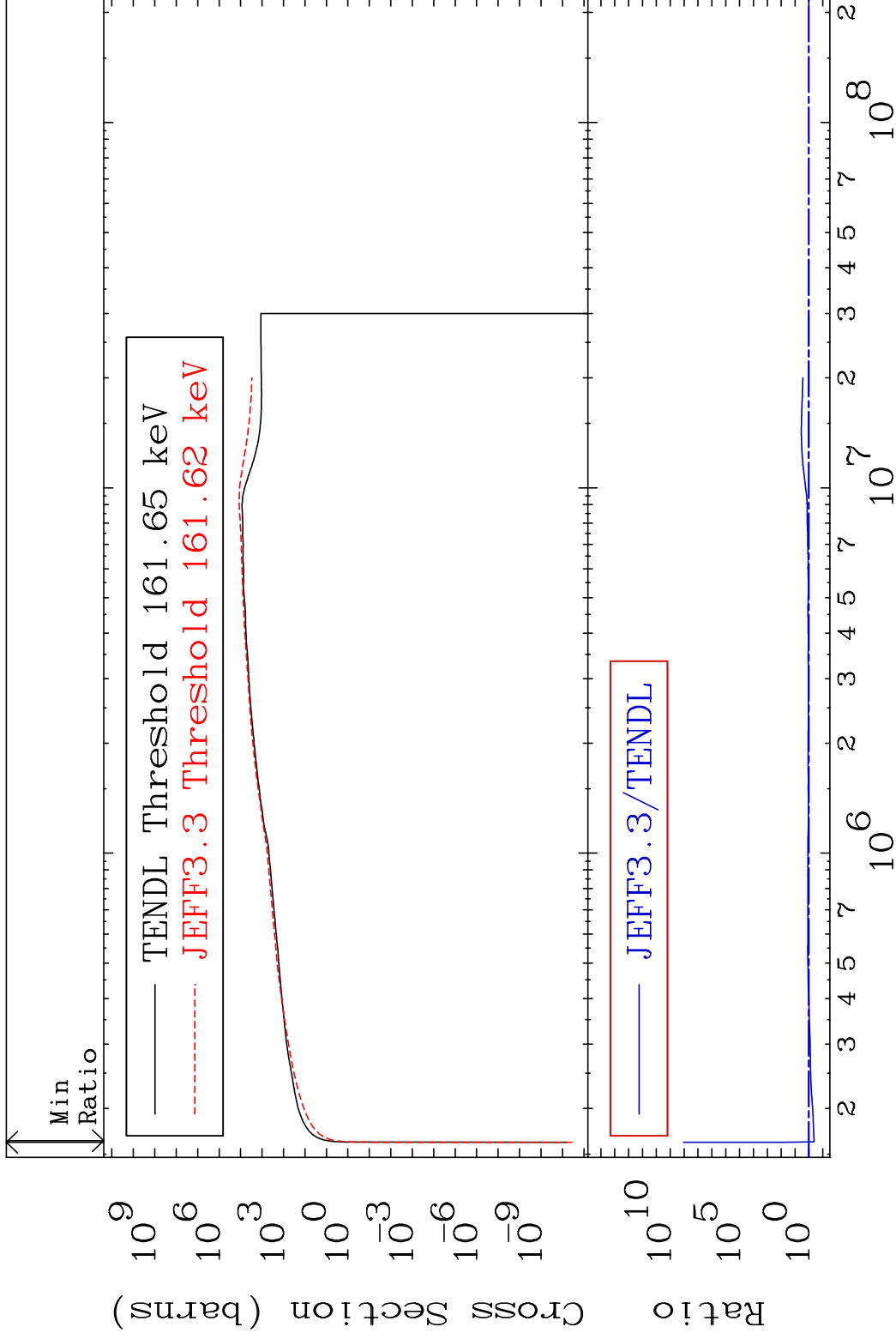
Incident Energy (eV)

51-Sb-123

MAT 5131

Dpa inelastic (mt51-91) 51-Sb-123

Cross Section -57.13 To 9999. %



MAT 5131 Dpa disappearance (mt102 -120) 51-Sb-123  
 Cross Section -99.98 To 9999. %

