

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

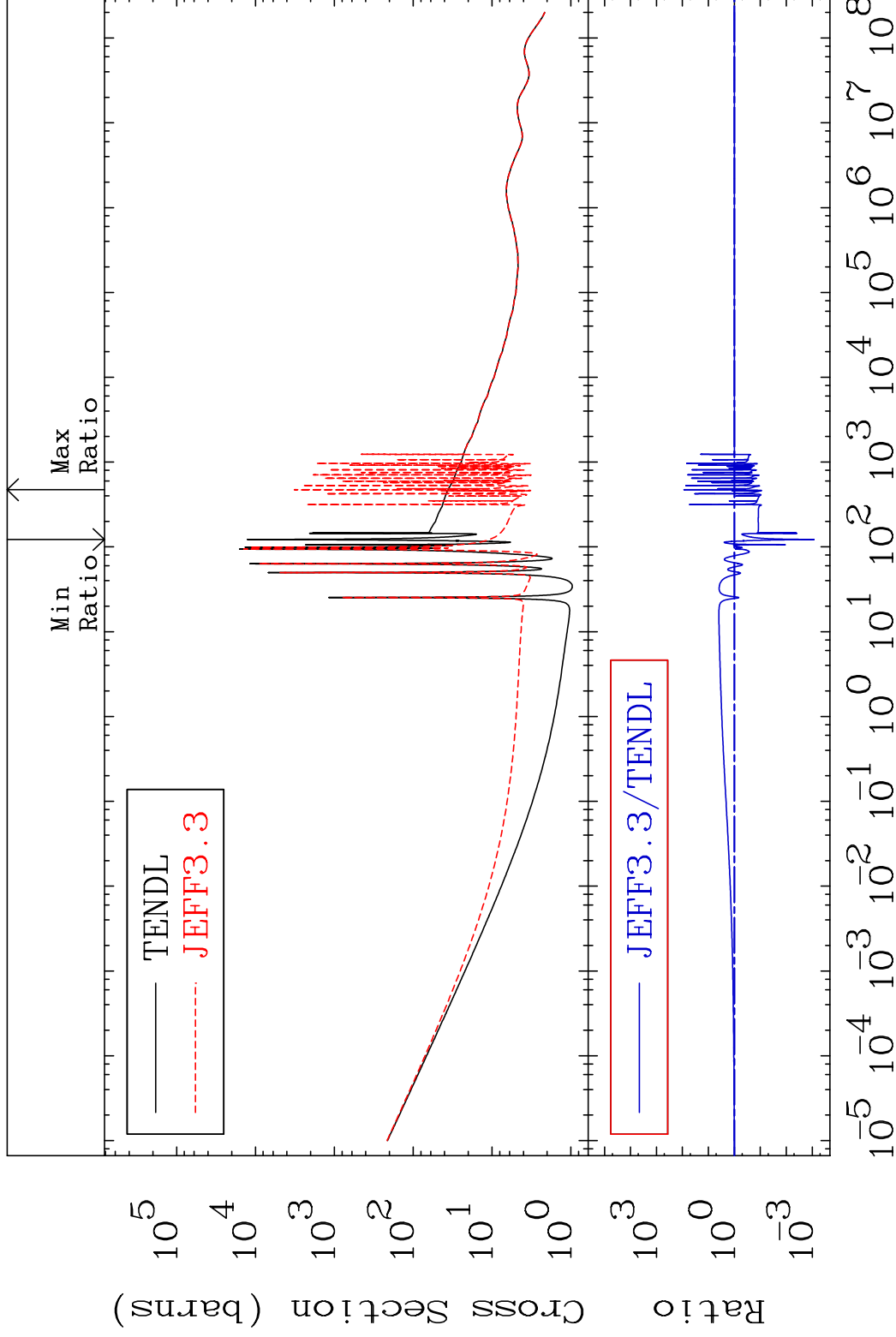
MAT 5634

Total

56-Ba-133

Cross Section

-99.92 To 8858. %



1

Incident Energy (eV)

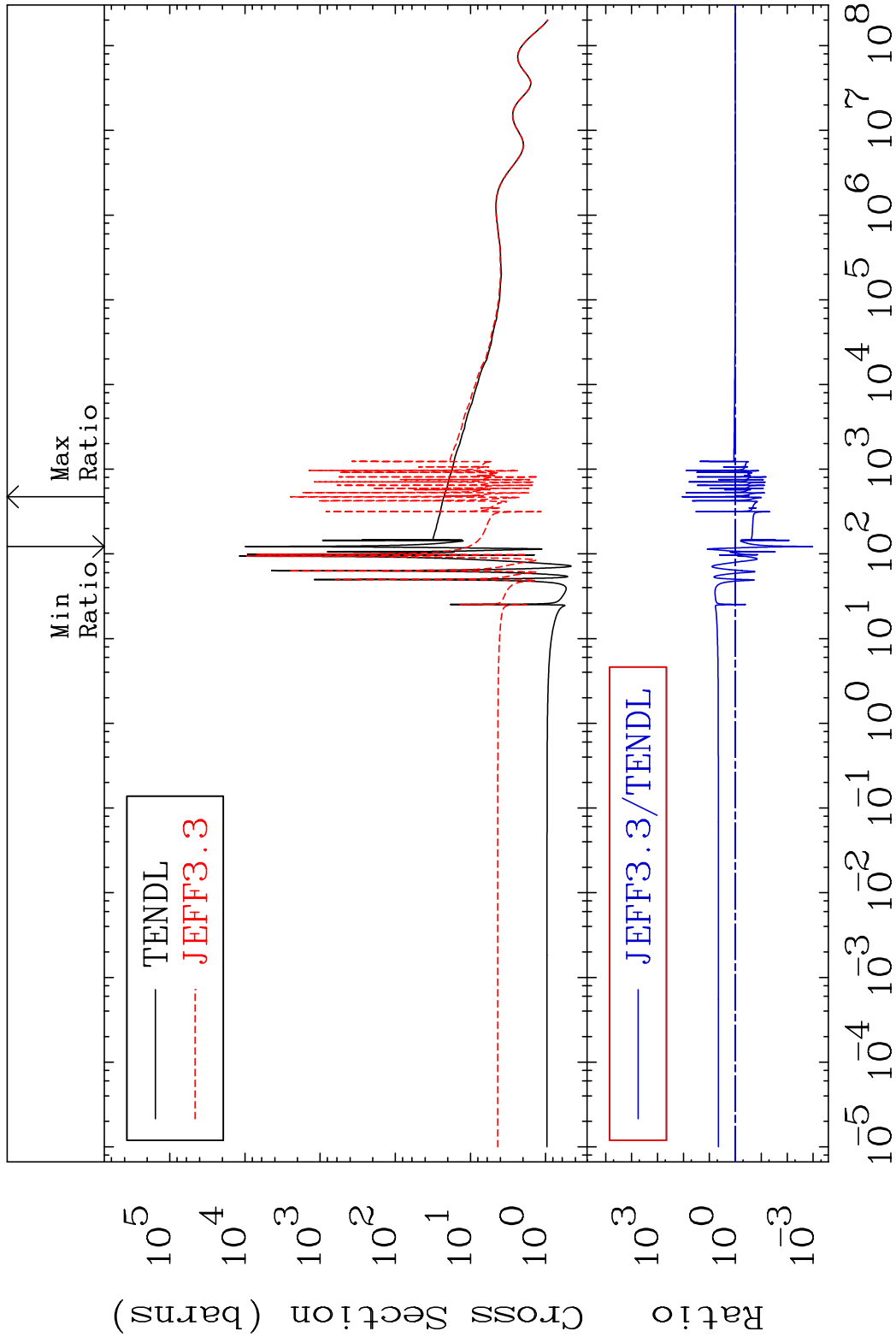
56-Ba-133

MAT 5634

Elastic

56-Ba-133

Cross Section -99.89 To 9999. %

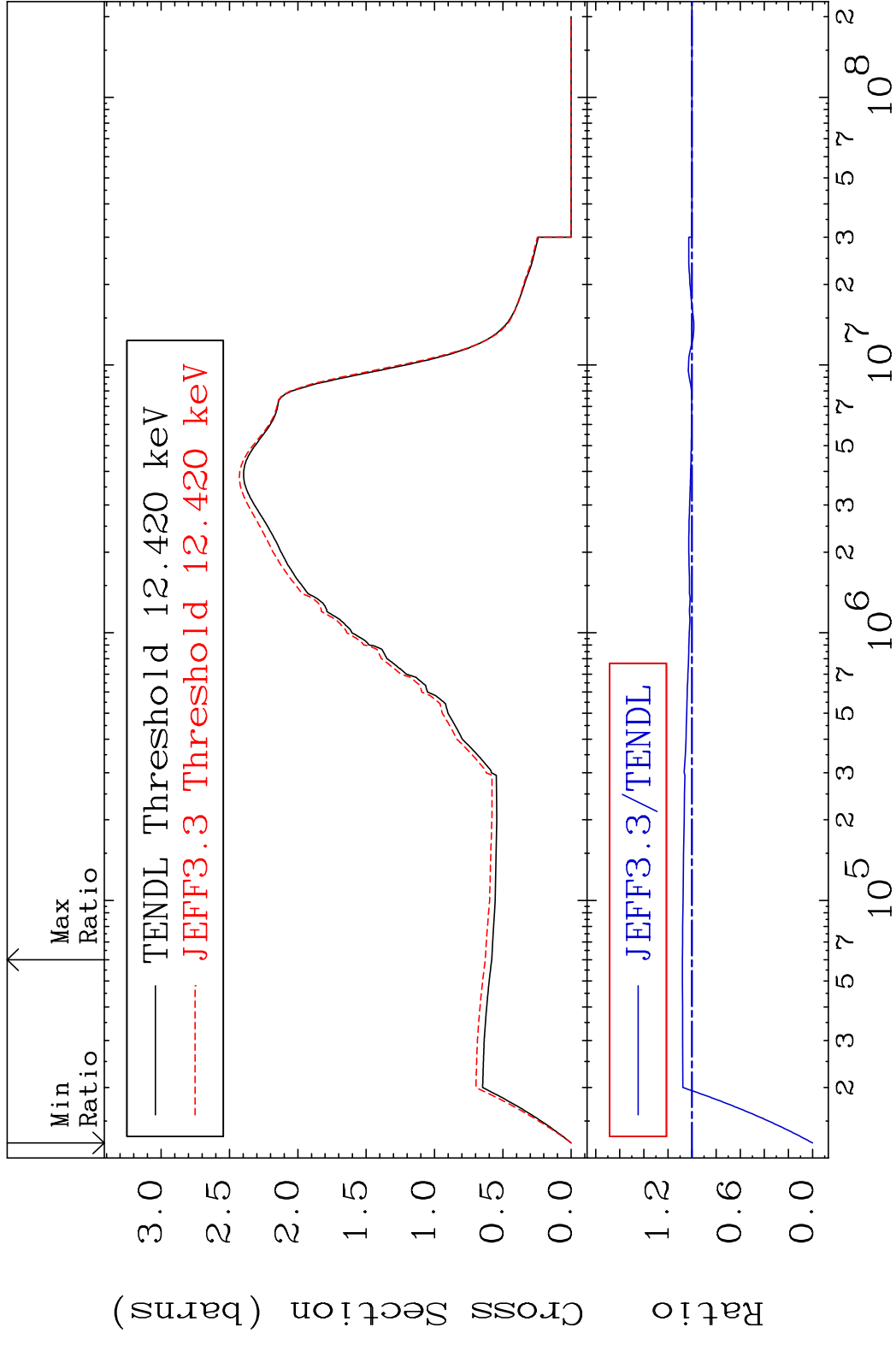


2

Incident Energy (eV)

56-Ba-133

MAT 5634 Inelastic 56-Ba-133  
 Cross Section -100.0 To 8.061 %

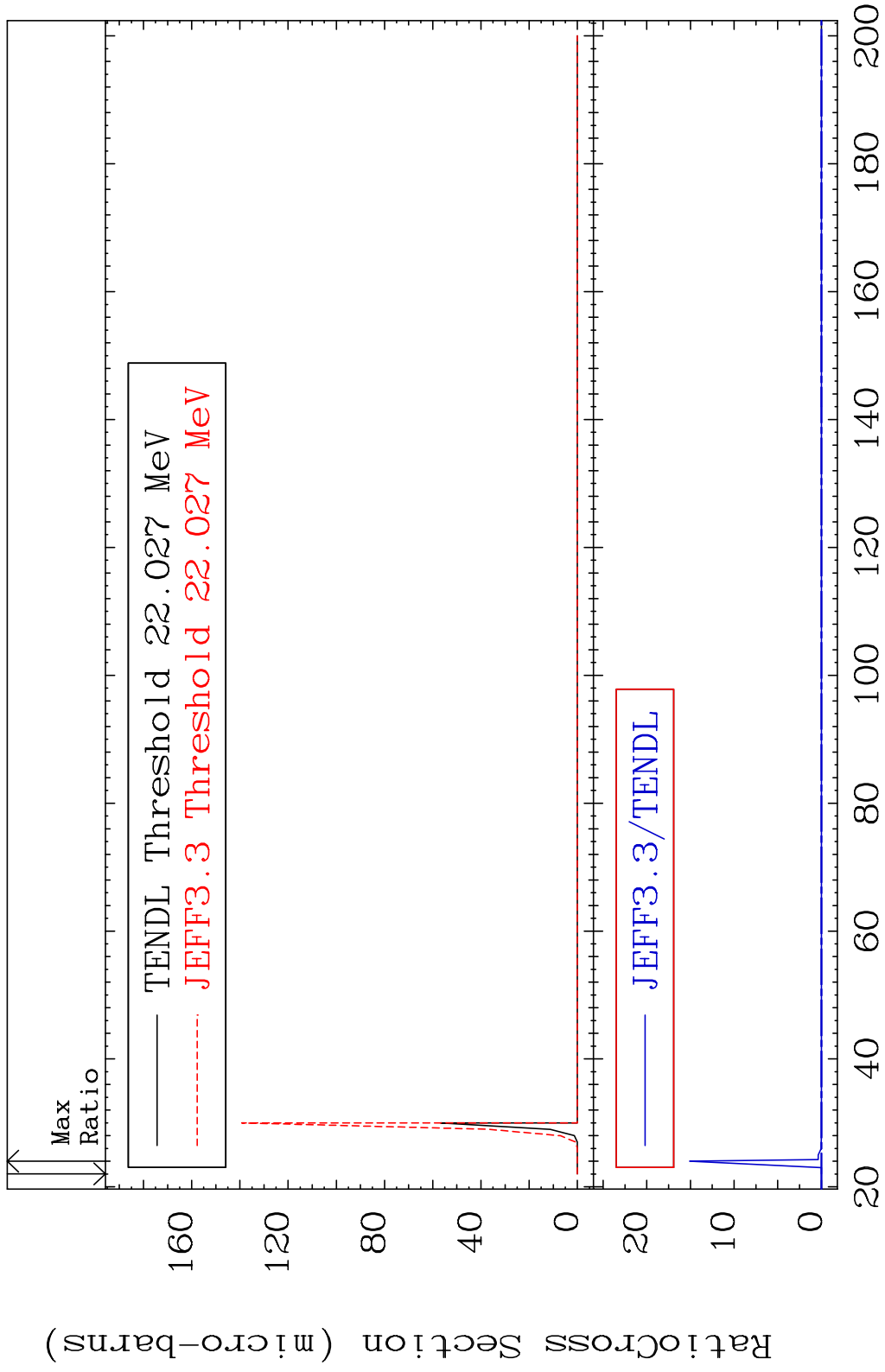


MAT 5634

(n,2n) d

56-Ba-133

Cross Section -100.0 To 9999. %



4

Incident Energy (MeV)

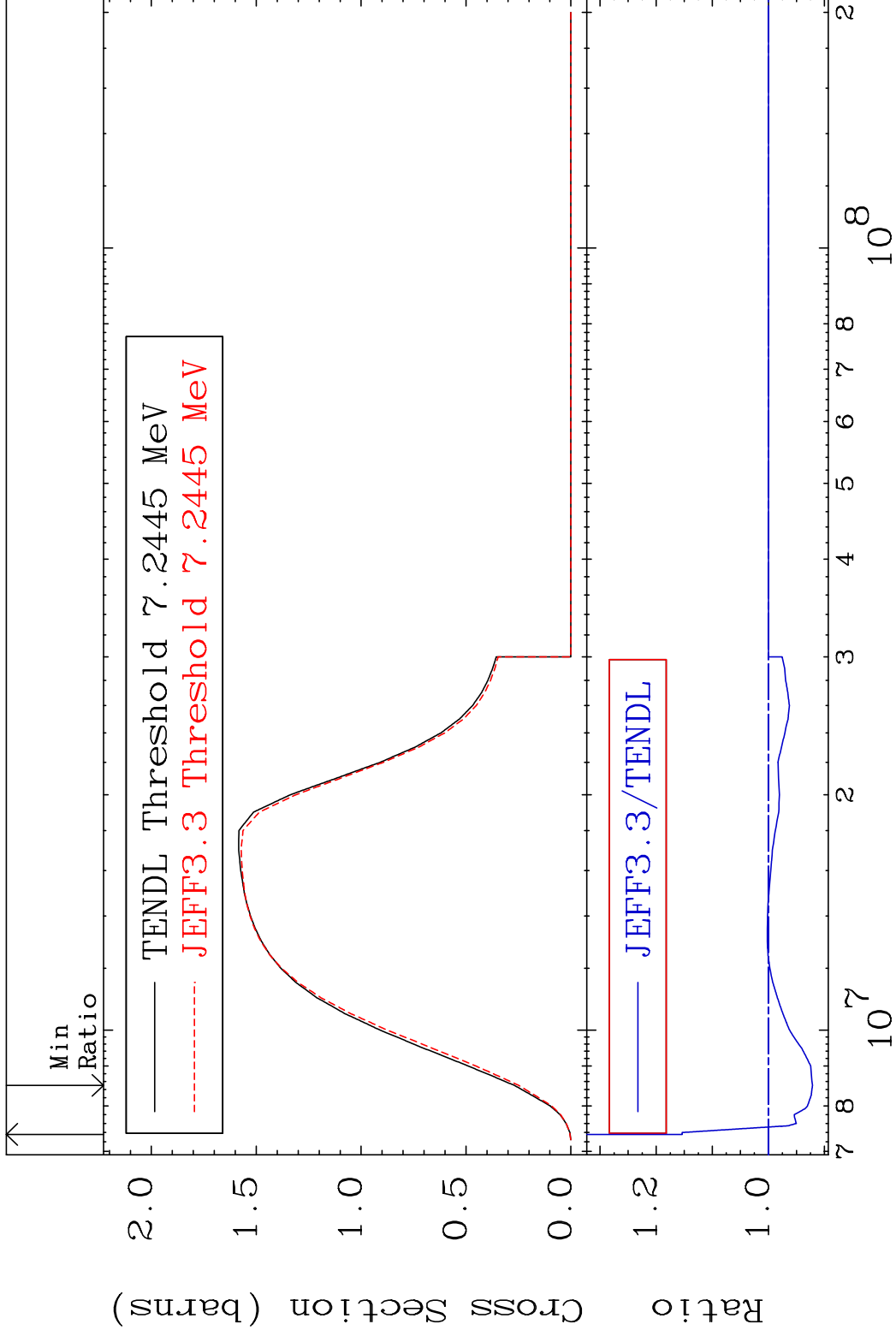
56-Ba-133

MAT 5634

(n,2n)

56-Ba-133

Cross Section -7.855 To 15.38 %



5

Incident Energy (eV)

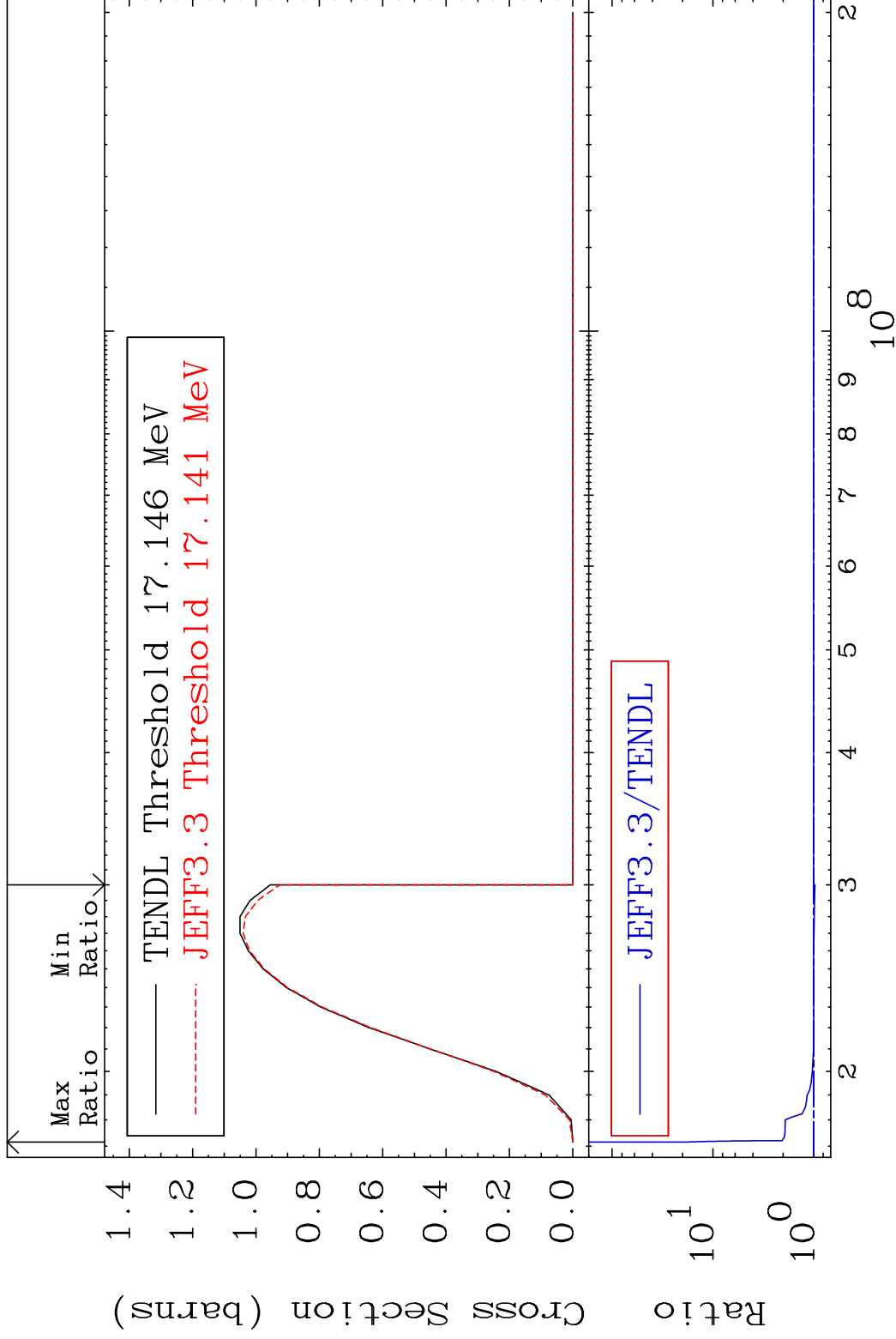
56-Ba-133

MAT 5634

(n,3n)

56-Ba-133

Cross Section -3.105 To 1820. %

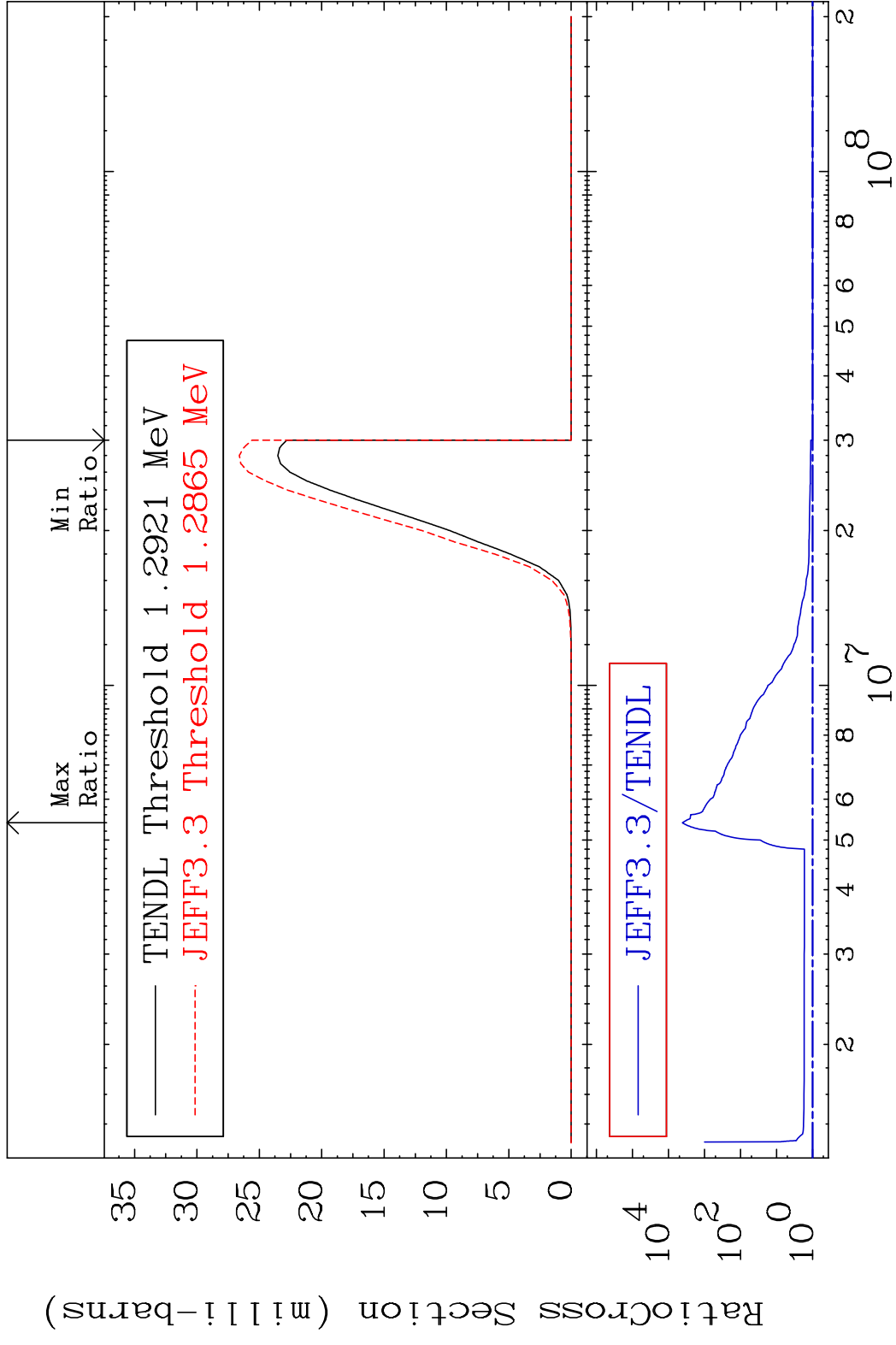


6

Incident Energy (eV)

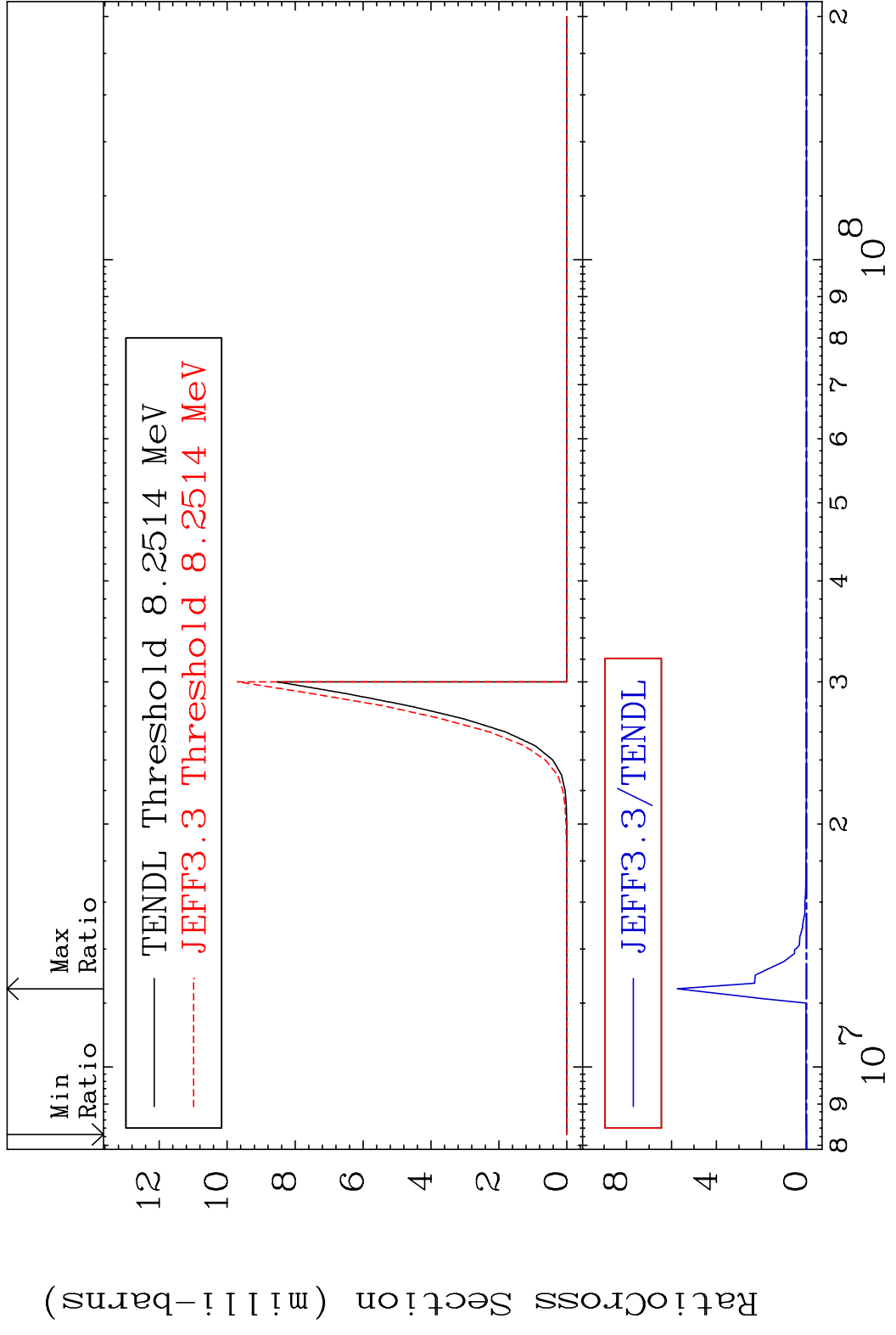
56-Ba-133

MAT 5634 (n, n')  $\alpha$  56-Ba-133  
 Cross Section 0.000 To 9999. %





MAT 5634 (n,2n)  $\alpha$  56-Ba-133  
 Cross Section -100.0 To 9999. %



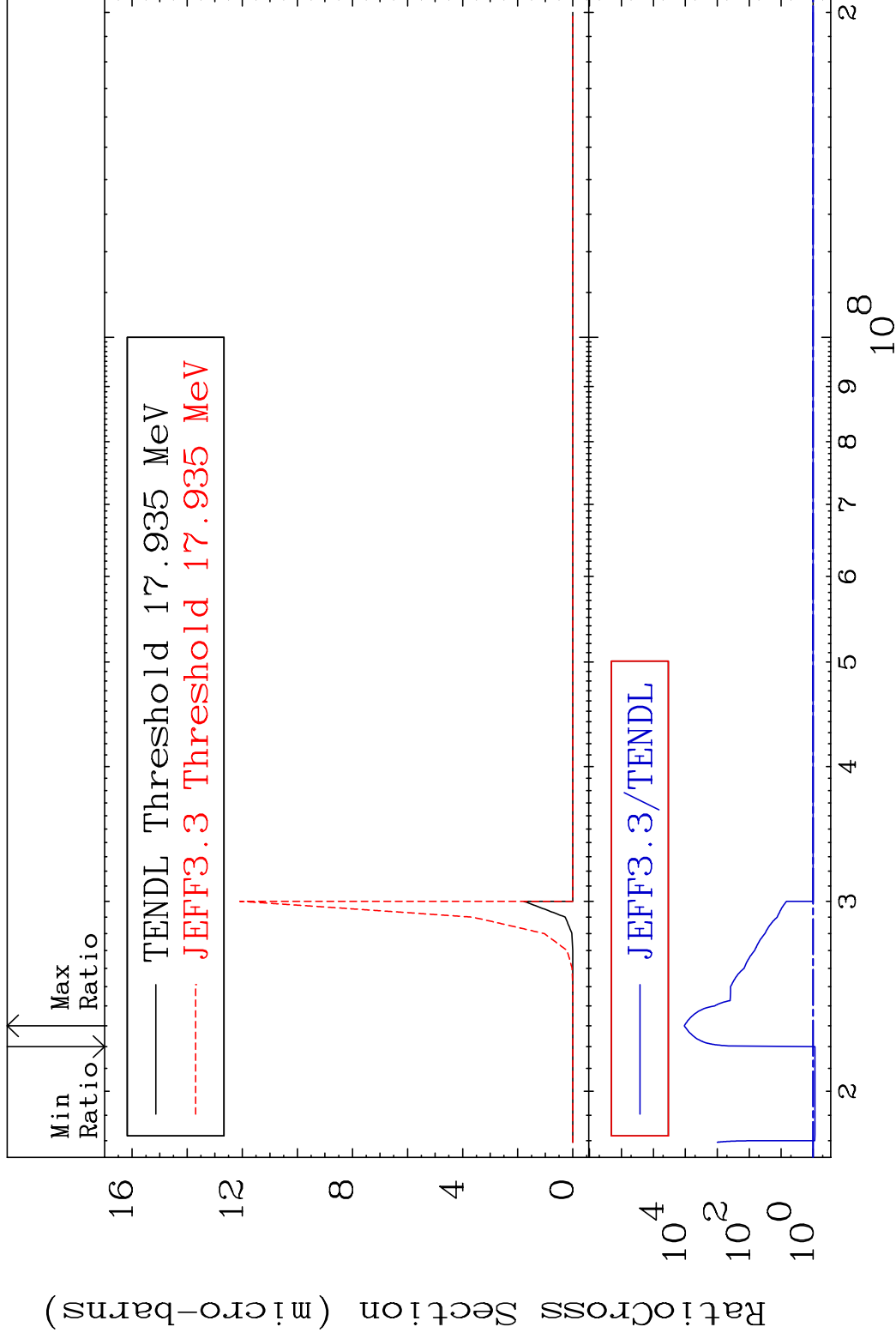
8 Incident Energy (eV) 56-Ba-133

MAT 5634

(n,3n)  $\alpha$

56-Ba-133

Cross Section -11.81 To 9999. %



9

Incident Energy (eV)

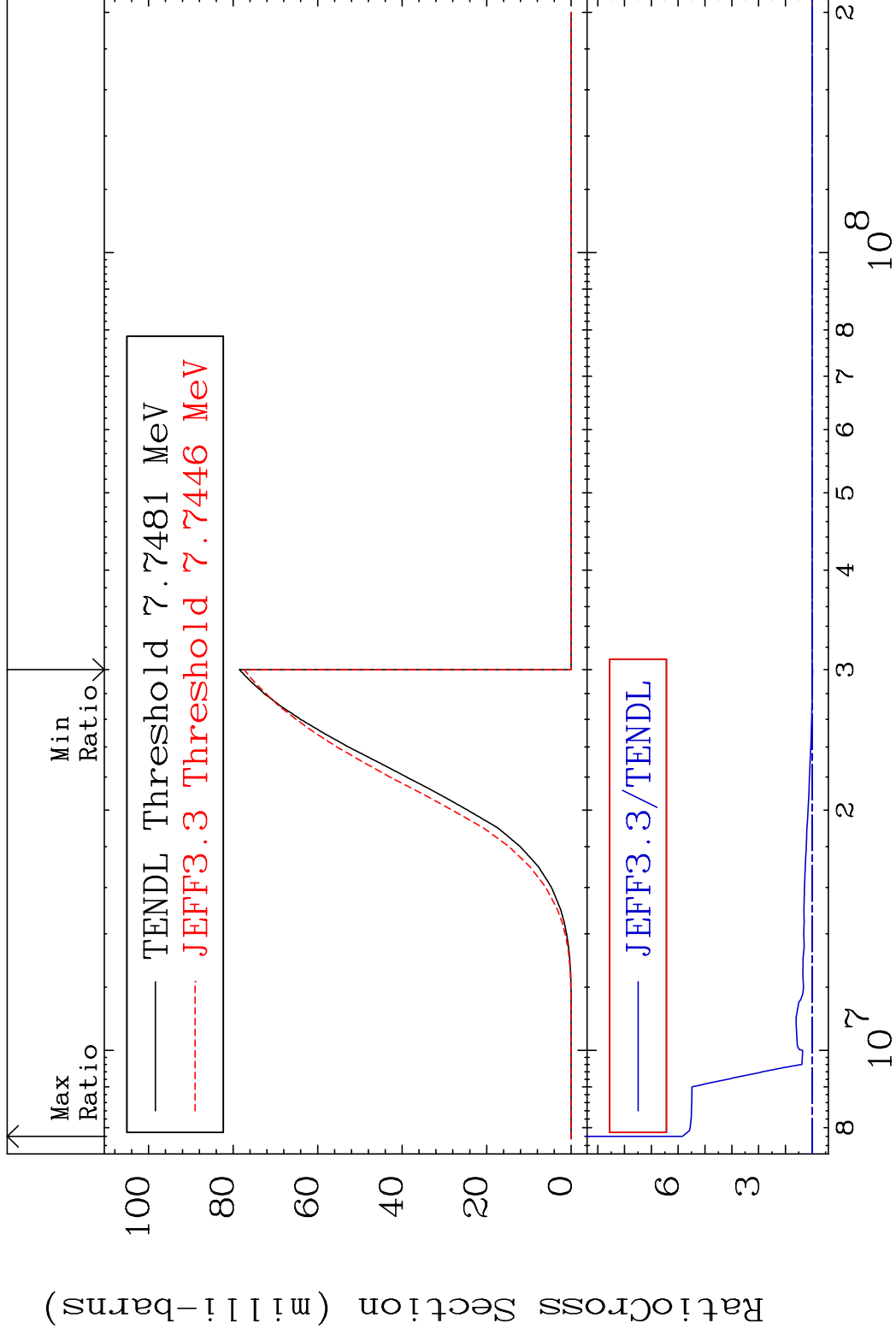
56-Ba-133

MAT 5634

(n, n') p

56-Ba-133

Cross Section -1.457 To 484.3 %



10

Incident Energy (eV)

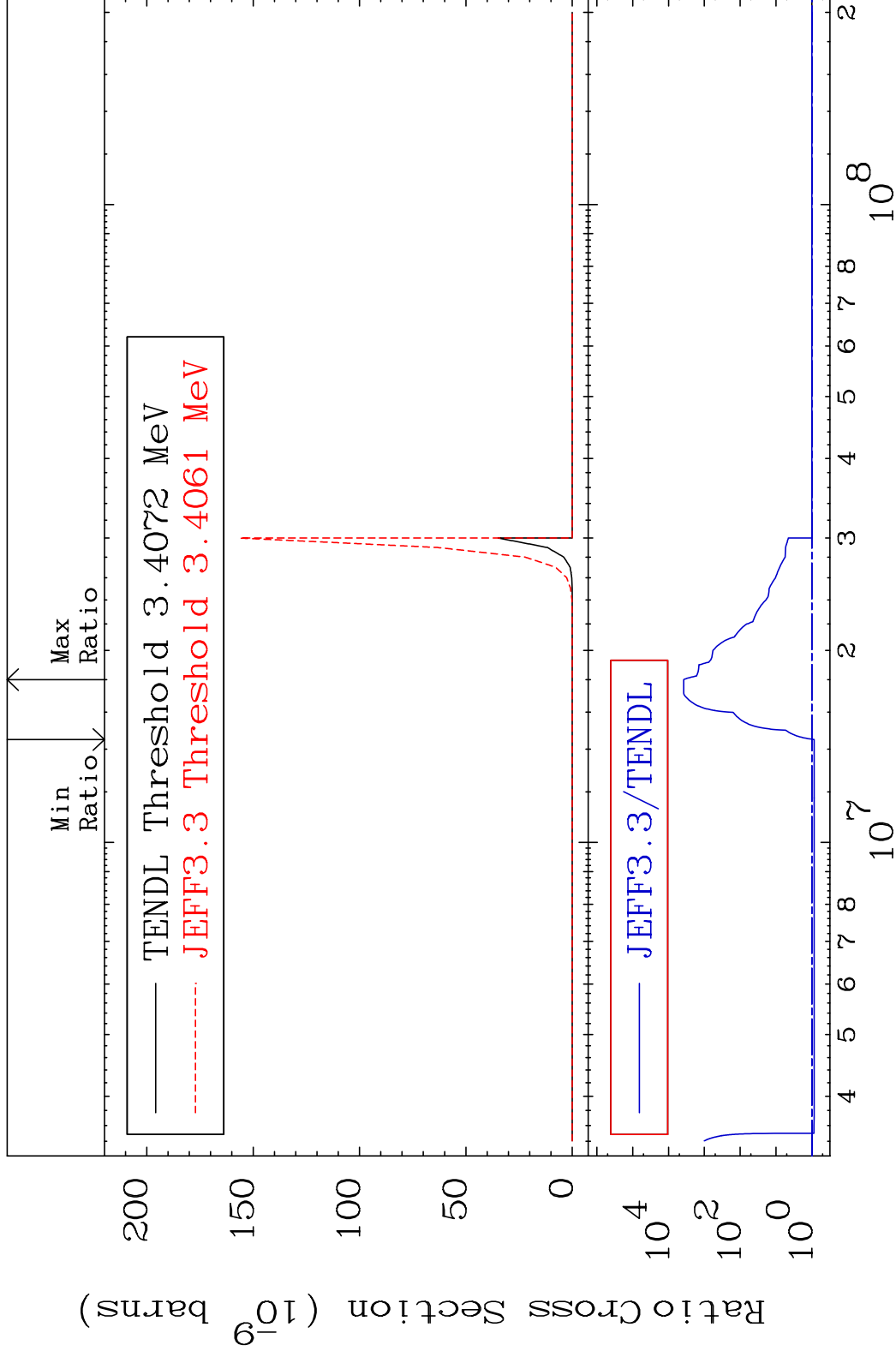
56-Ba-133

MAT 5634

(n, n') 2α

56-Ba-133

Cross Section -13.80 To 9999. %

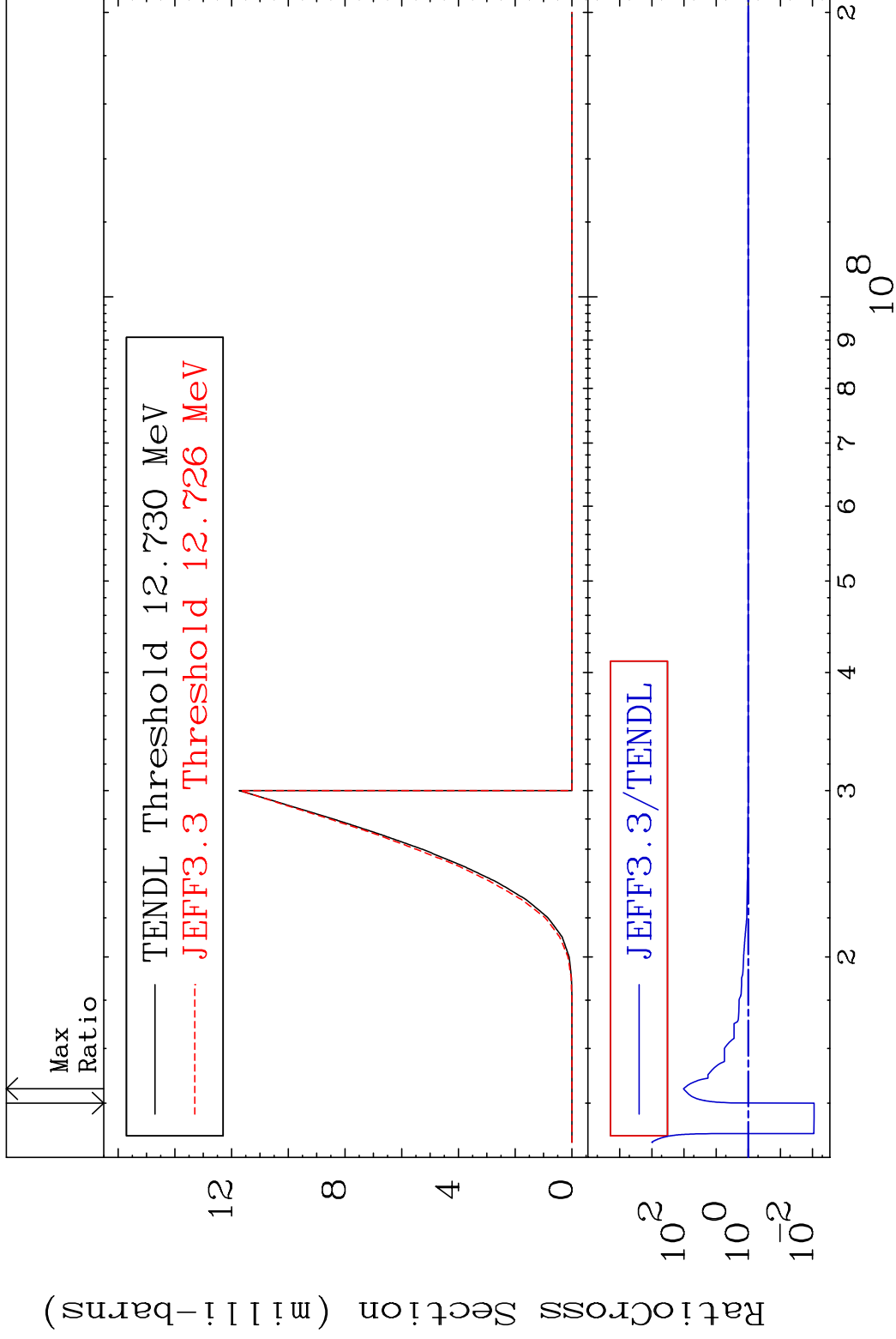


MAT 5634

(n, n') d

56-Ba-133

Cross Section -99.10 To 9999. %

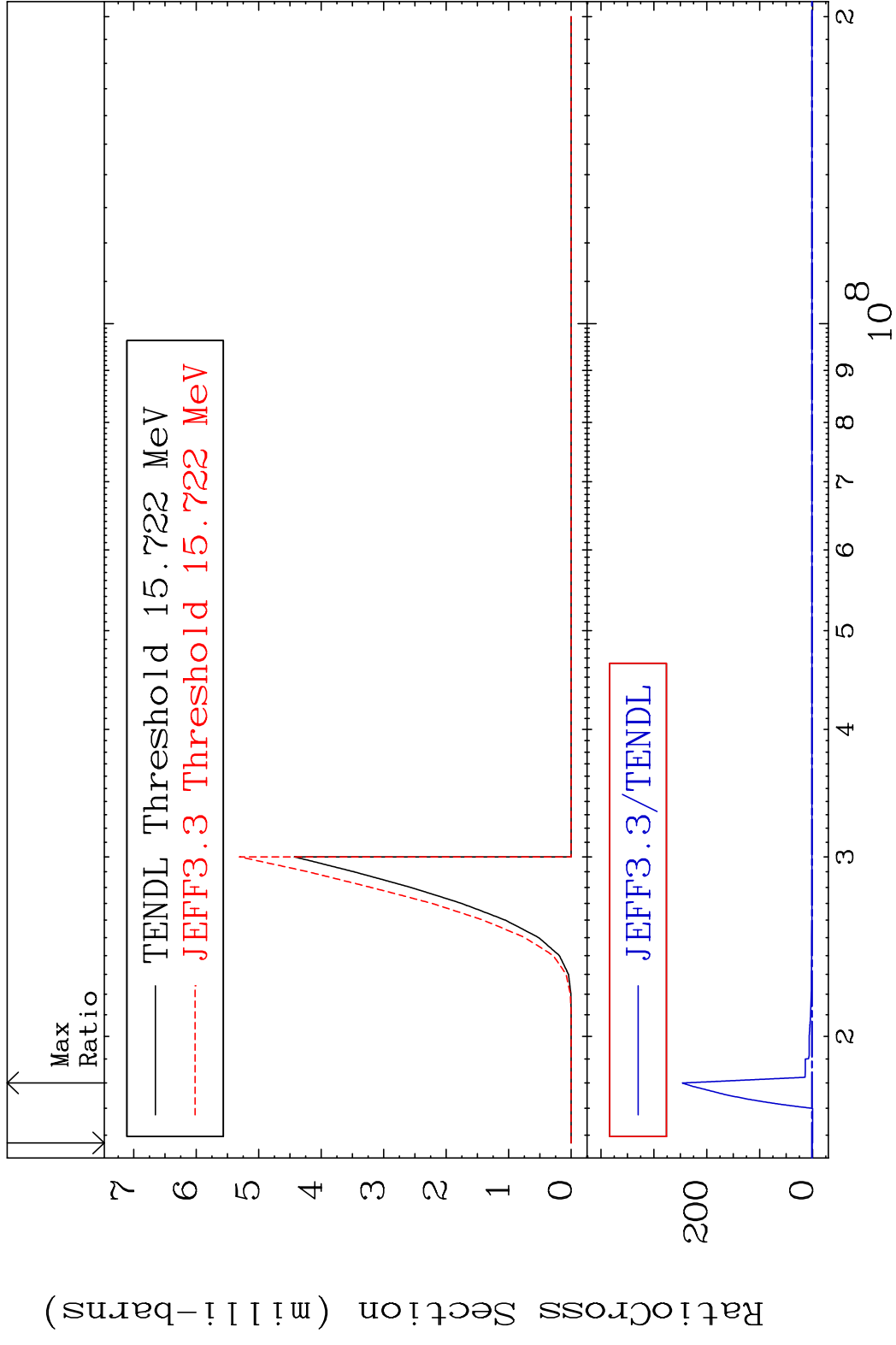


12

Incident Energy (eV)

56-Ba-133

MAT 5634 (n, n') t 56-Ba-133  
 Cross Section -100.0 To 9999. %

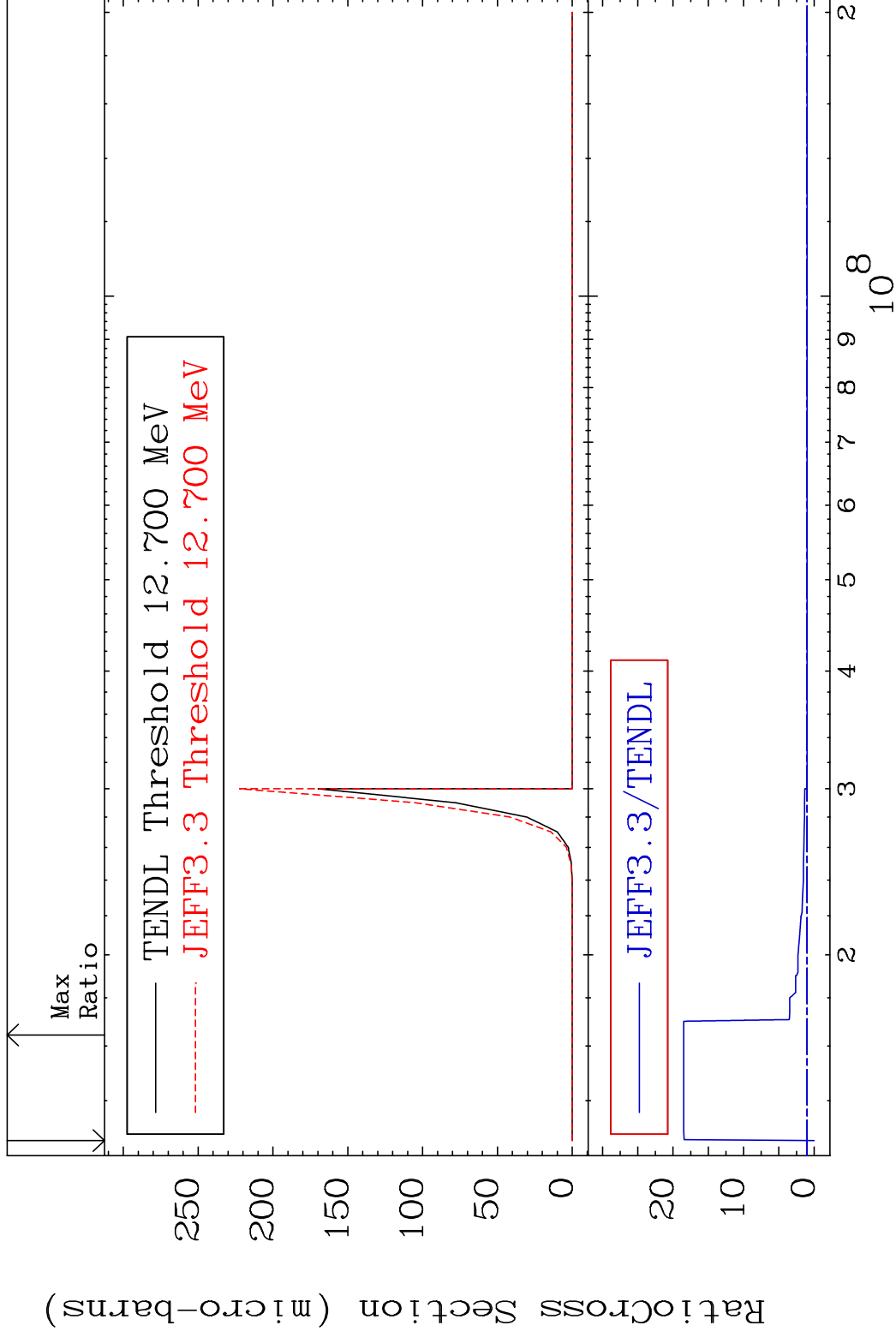


MAT 5634

(n,n') He-3

56-Ba-133

Cross Section -100.0 To 1749. %

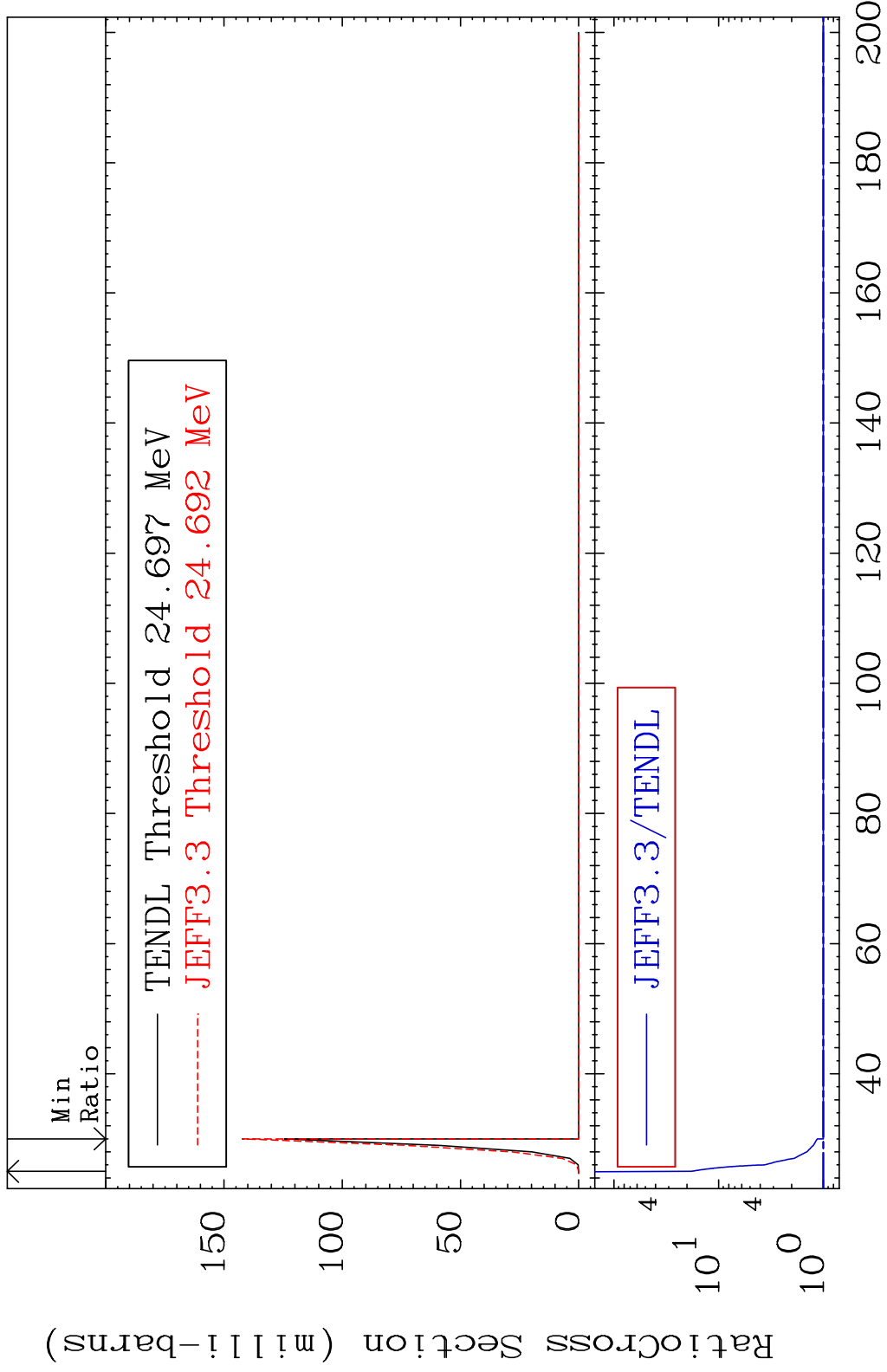


MAT 5634

(n,4n)

56-Ba-133

Cross Section 0.000 To 1721. %



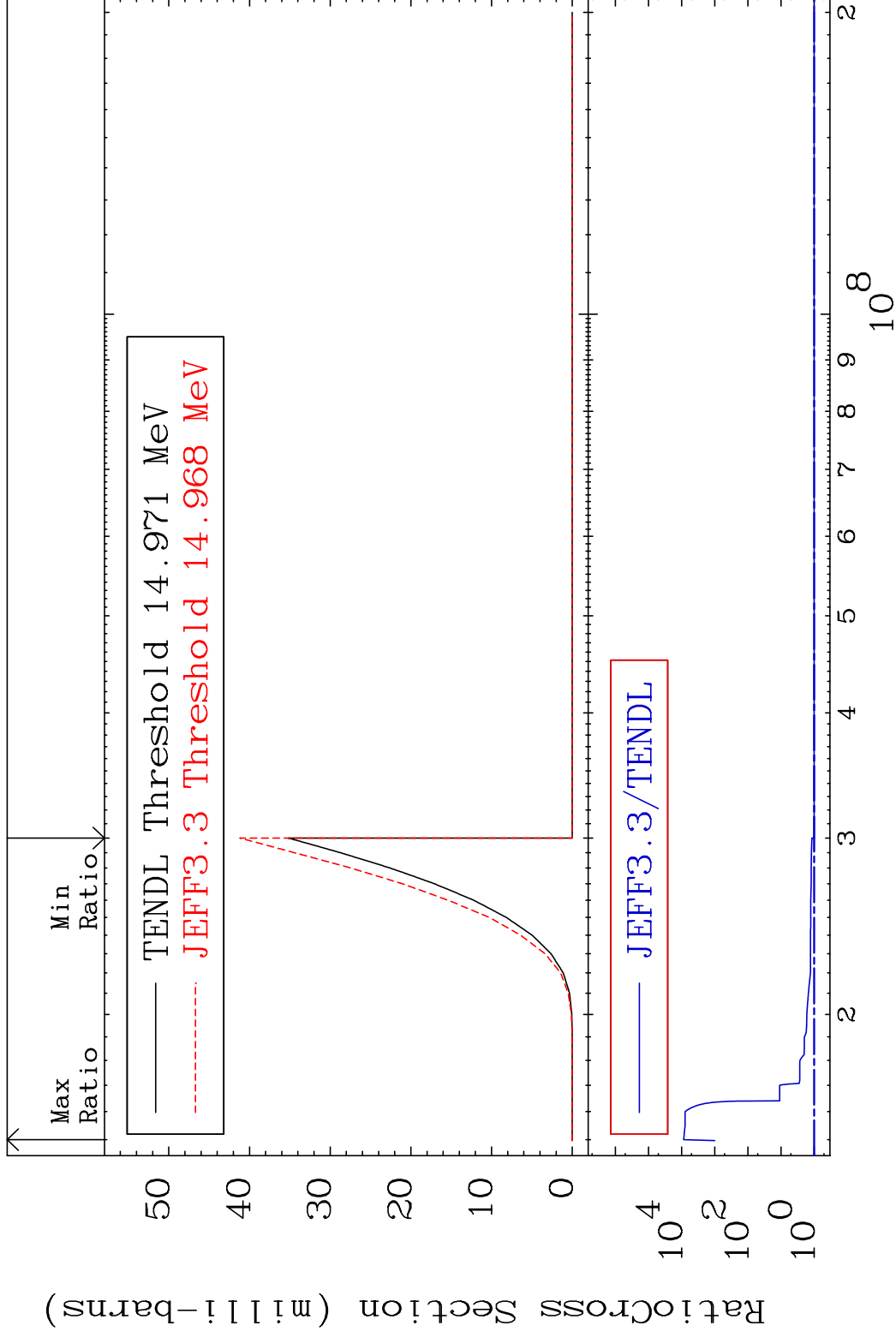


MAT 5634

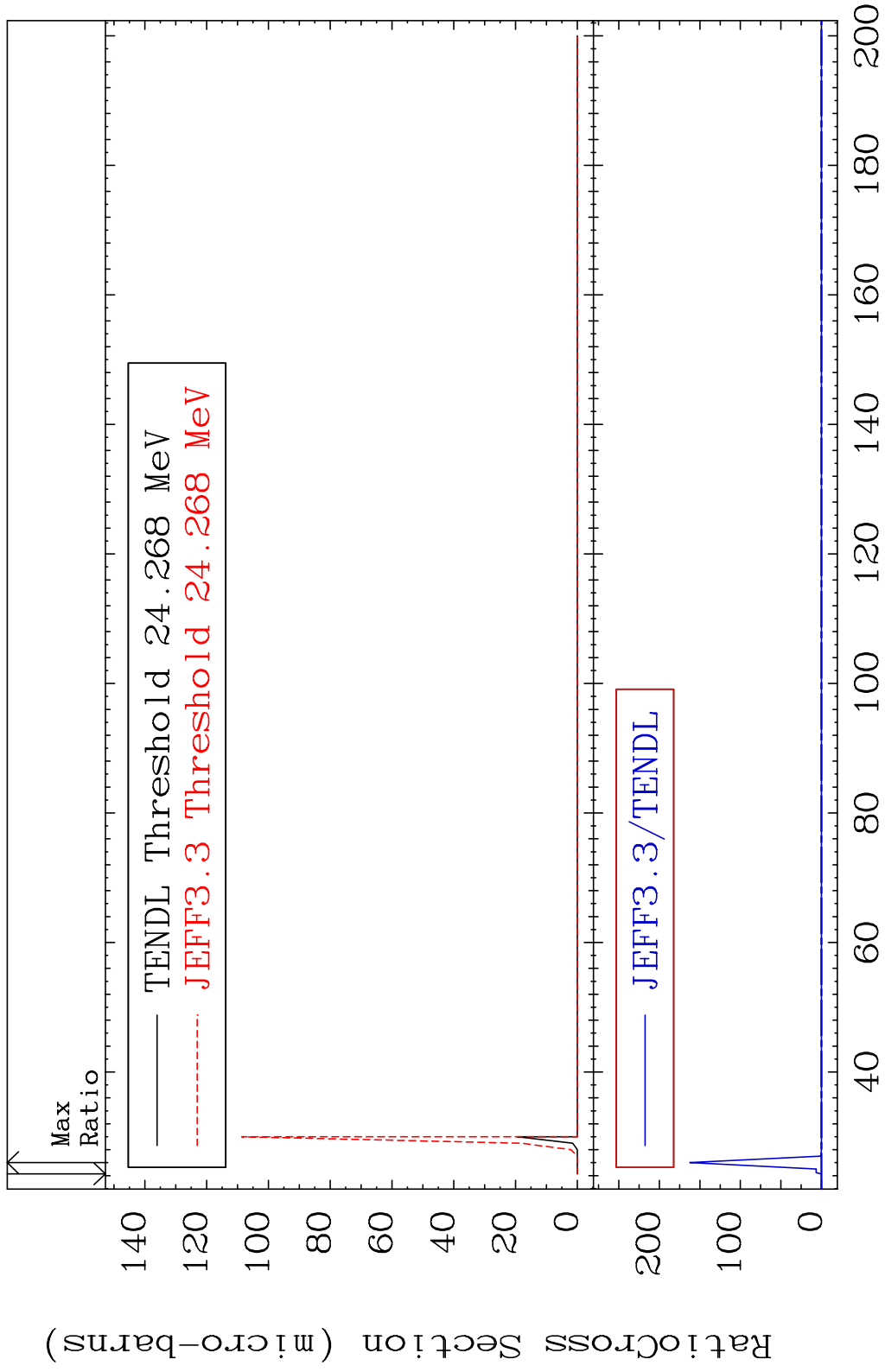
(n,2n) p

56-Ba-133

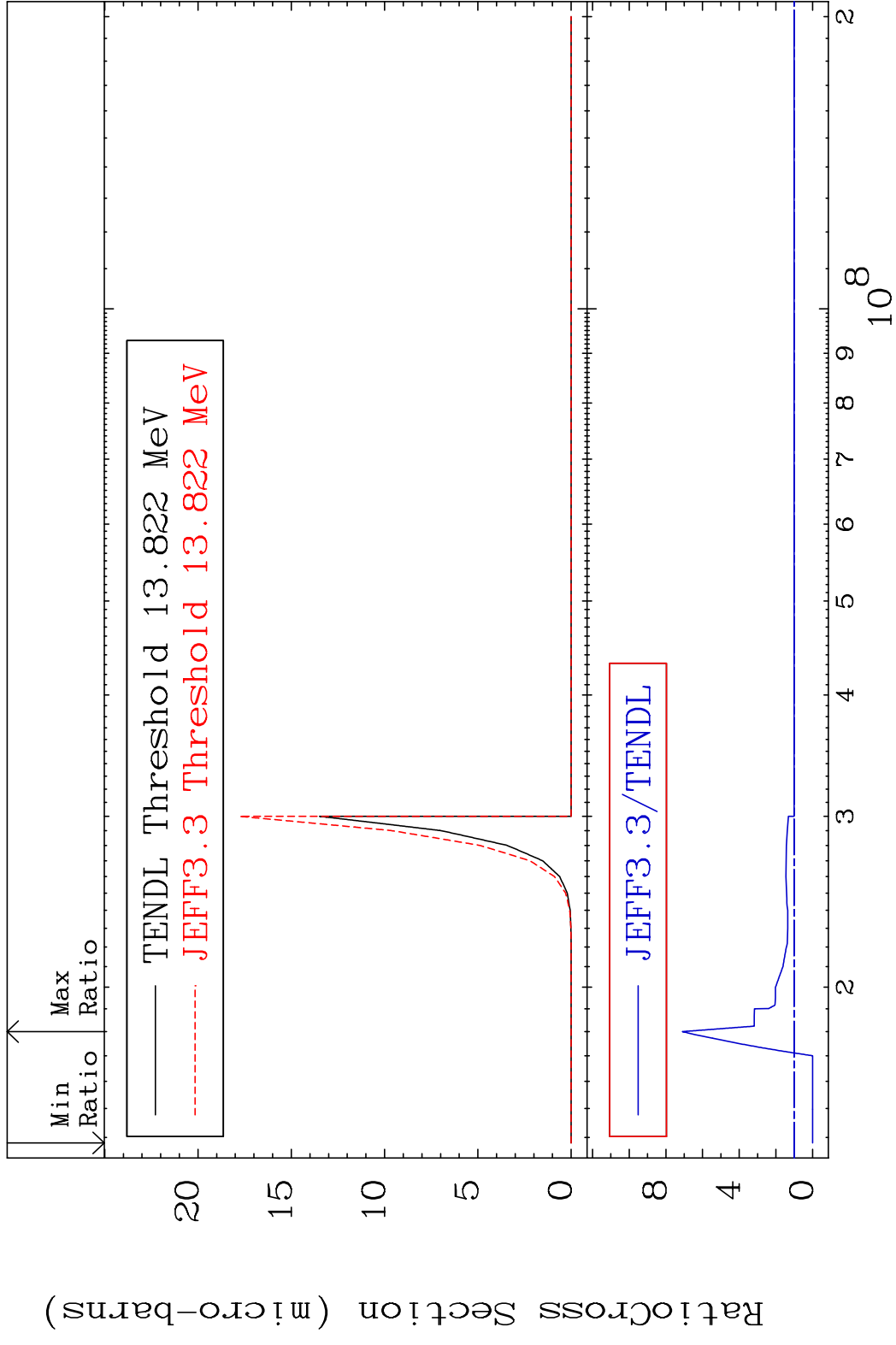
Cross Section 0.000 To 9999. %



MAT 5634 (n,3n) p 56-Ba-133  
 Cross Section -100.0 To 9999. %



MAT 5634 (n,2n) p 56-Ba-133  
 Cross Section -100.0 To 610.2 %

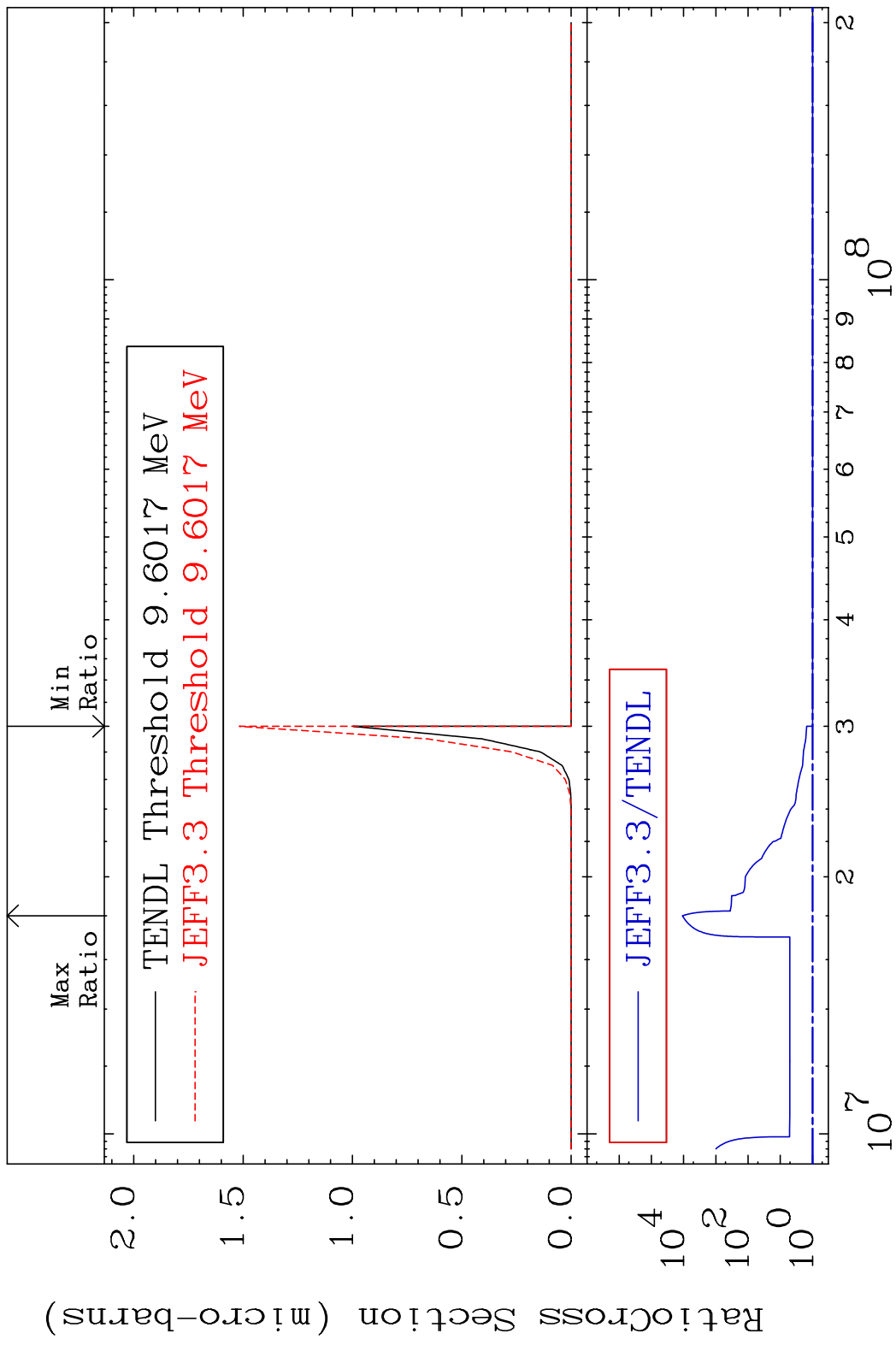


MAT 5634

(n, n') p  $\alpha$

56-Ba-133

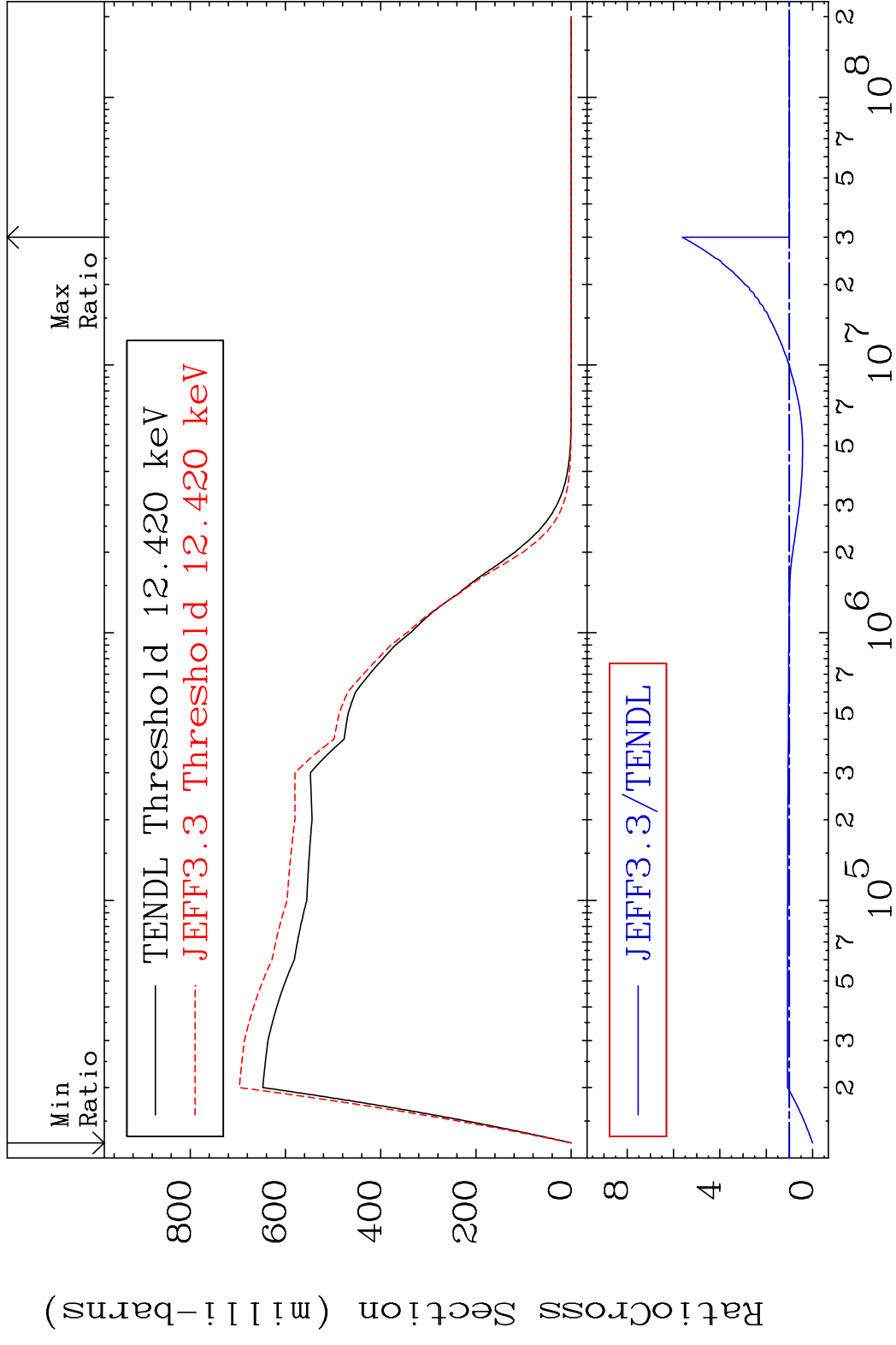
Cross Section 0.000 To 9999. %



Incident Energy (eV)

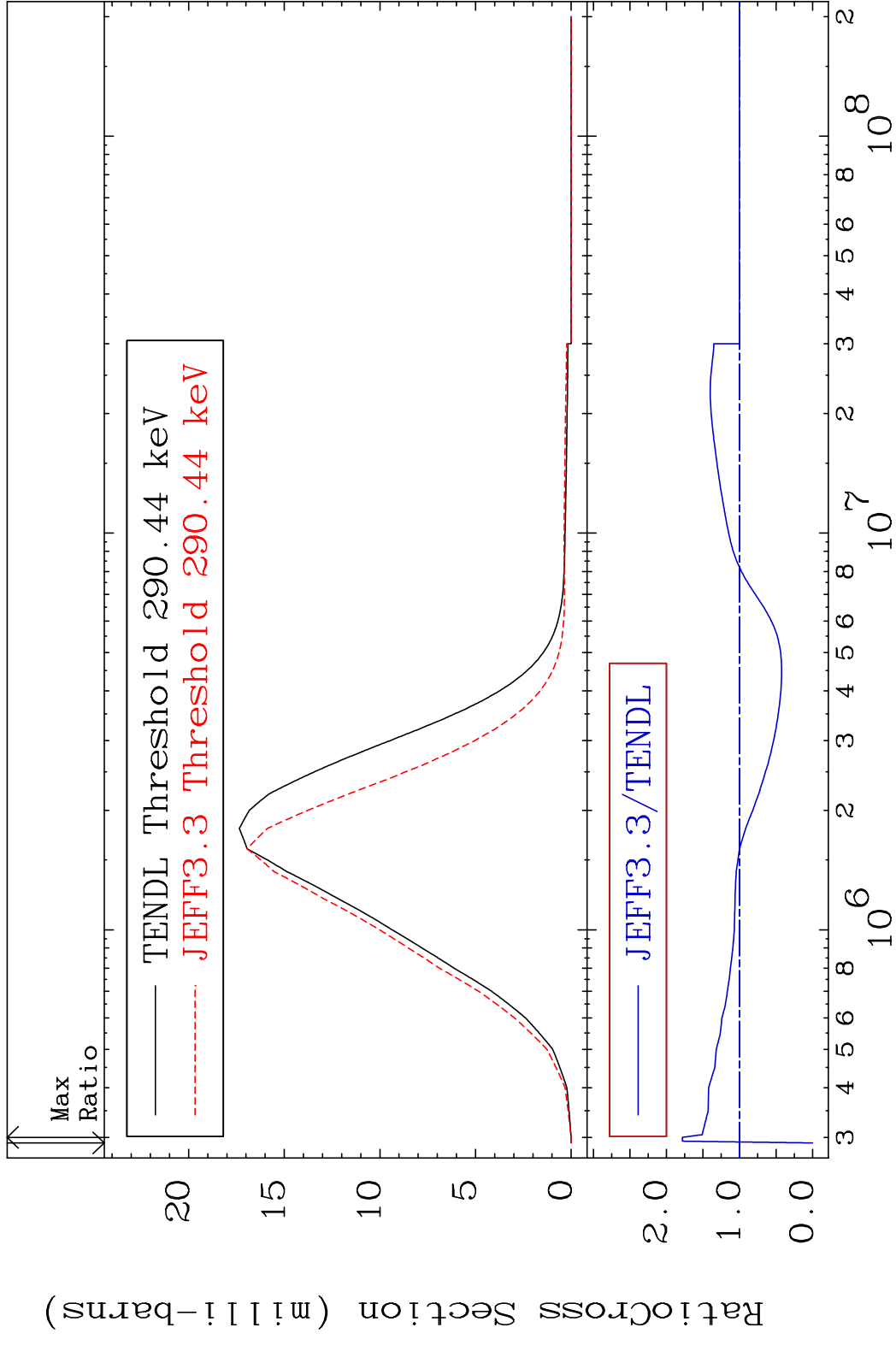
56-Ba-133

MAT 5634 MT= 51 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 462.0 %

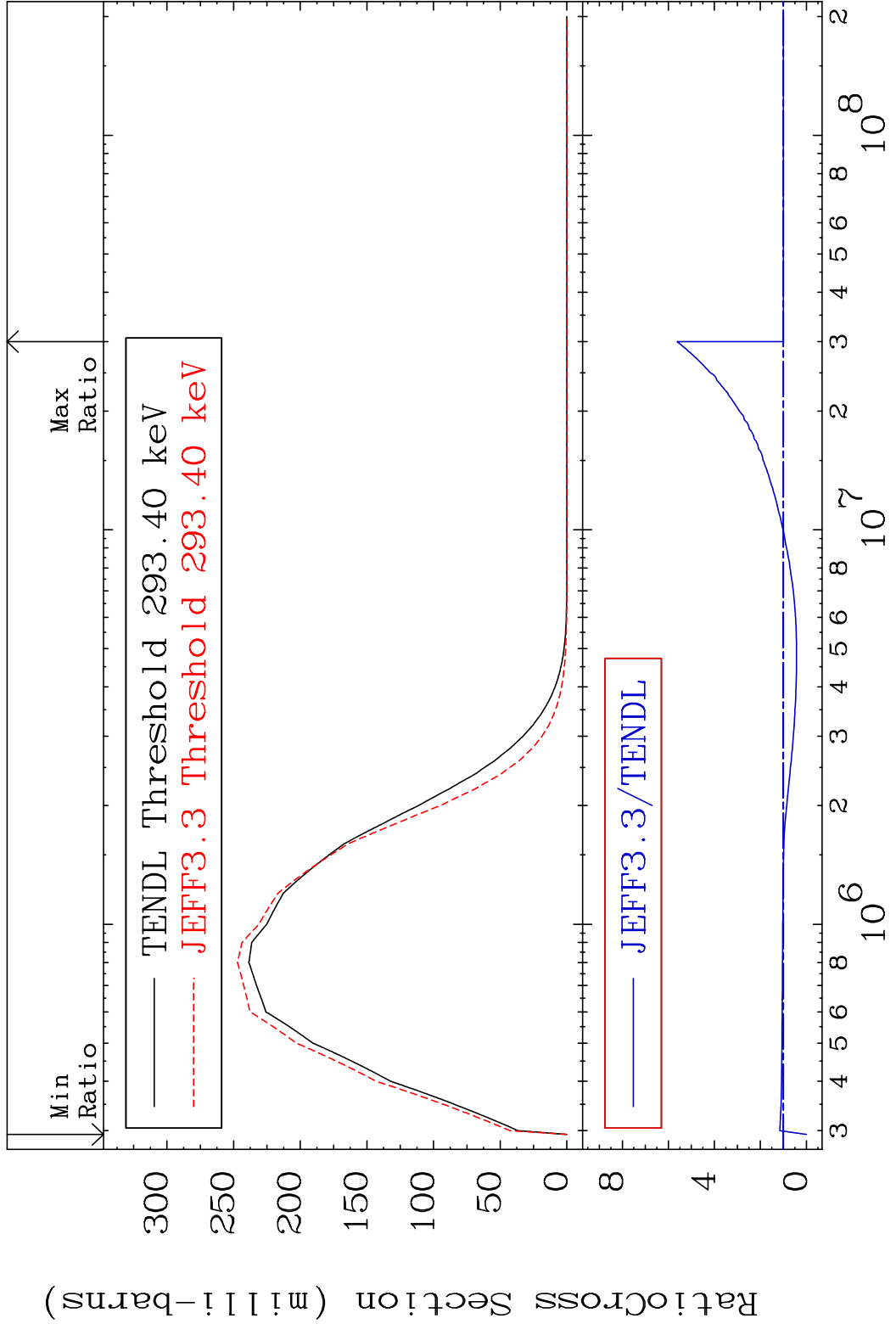


20 Incident Energy (eV) 56-Ba-133

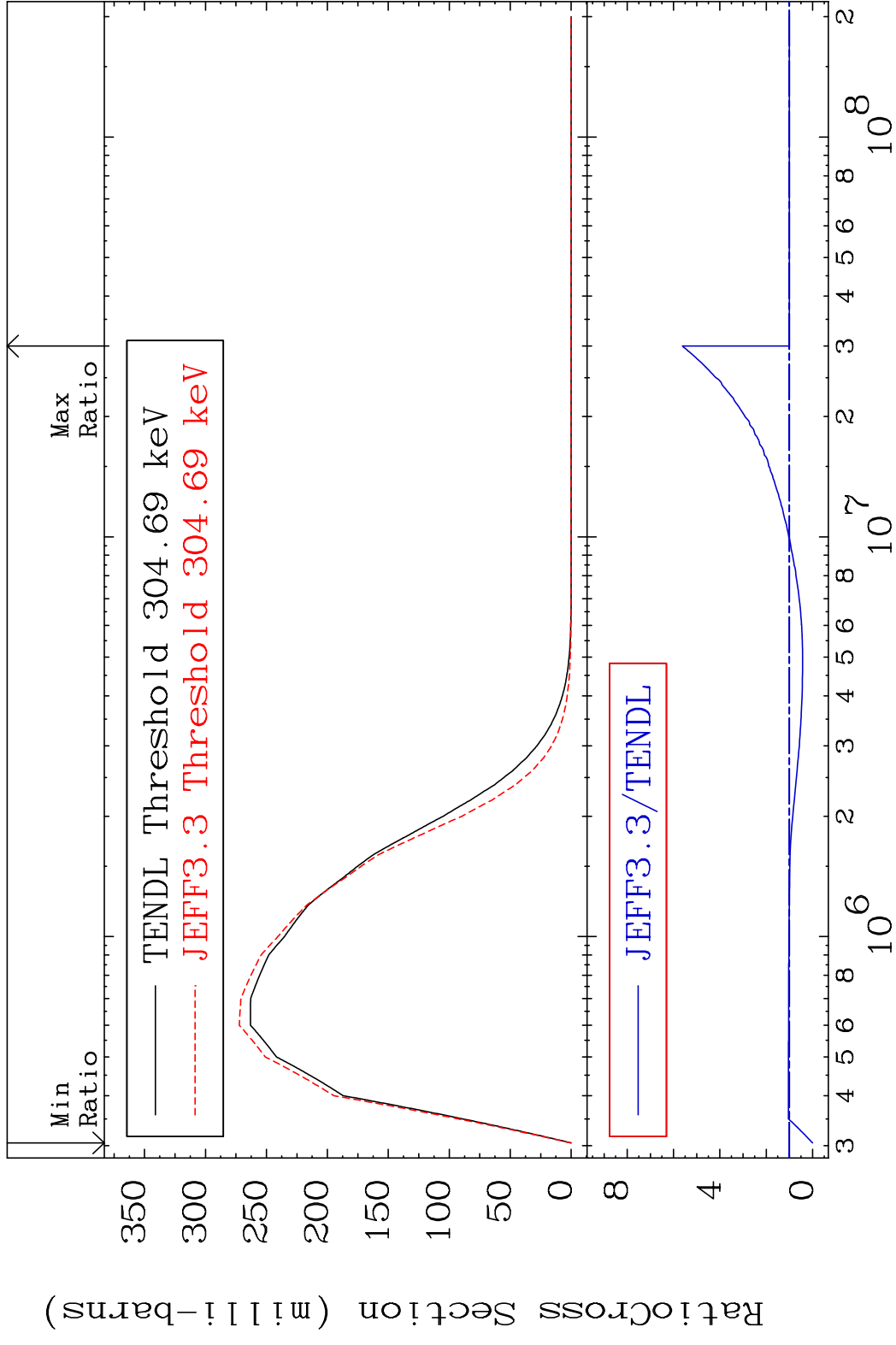
MAT 5634 MT= 52 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 78.19 %



MAT 5634 MT= 53 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 461.6 %

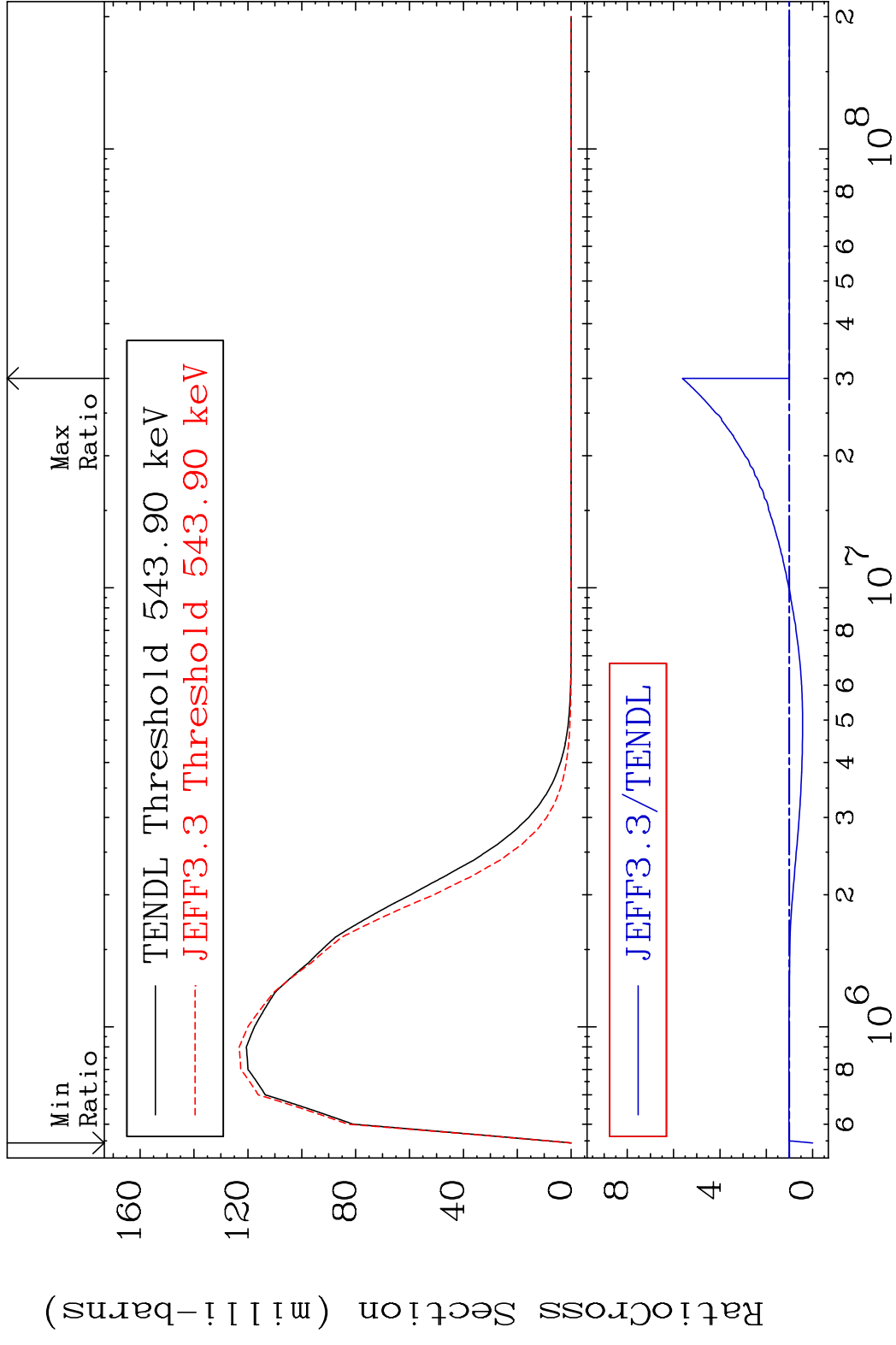


MAT 5634 MT= 54 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 462.0 %

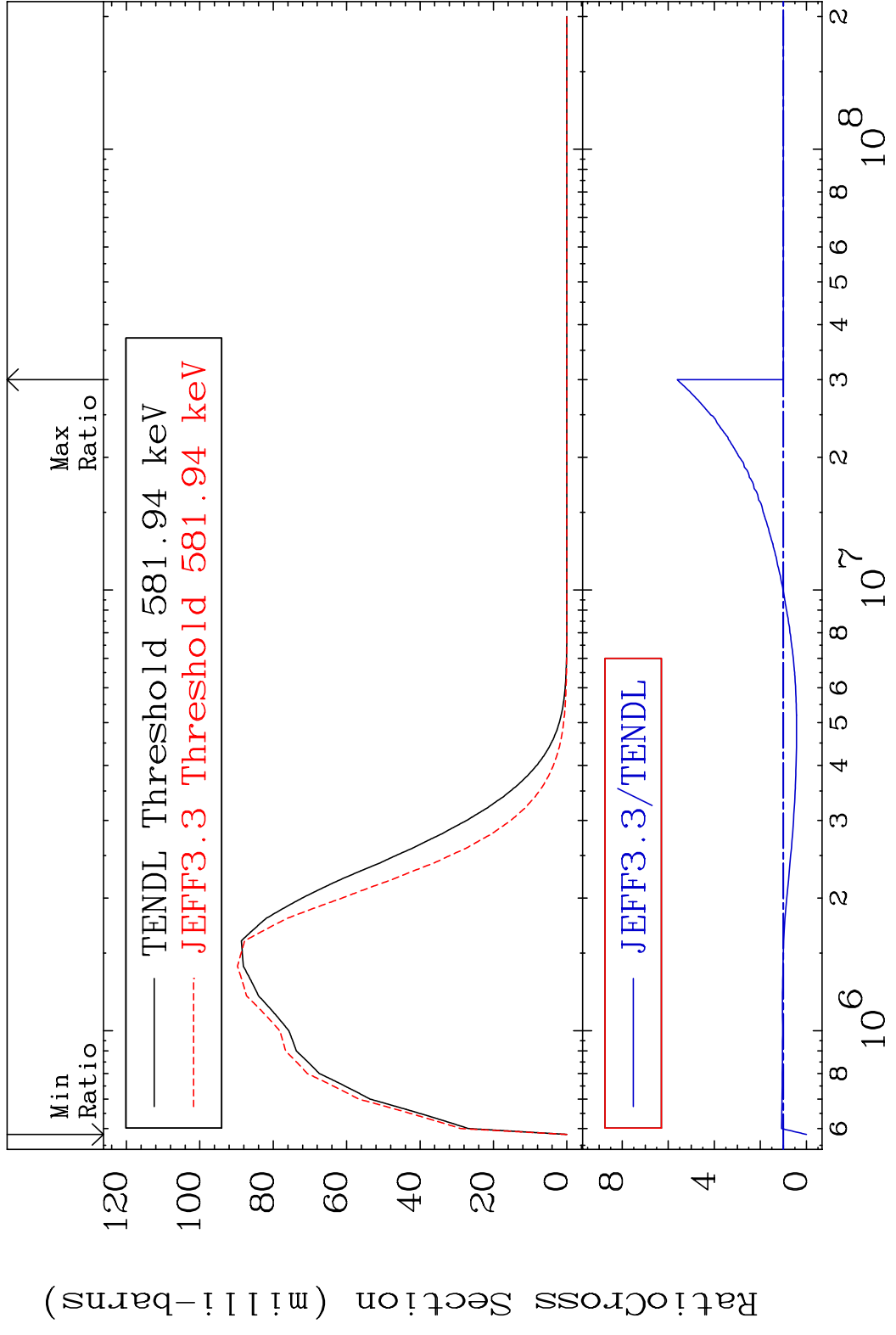




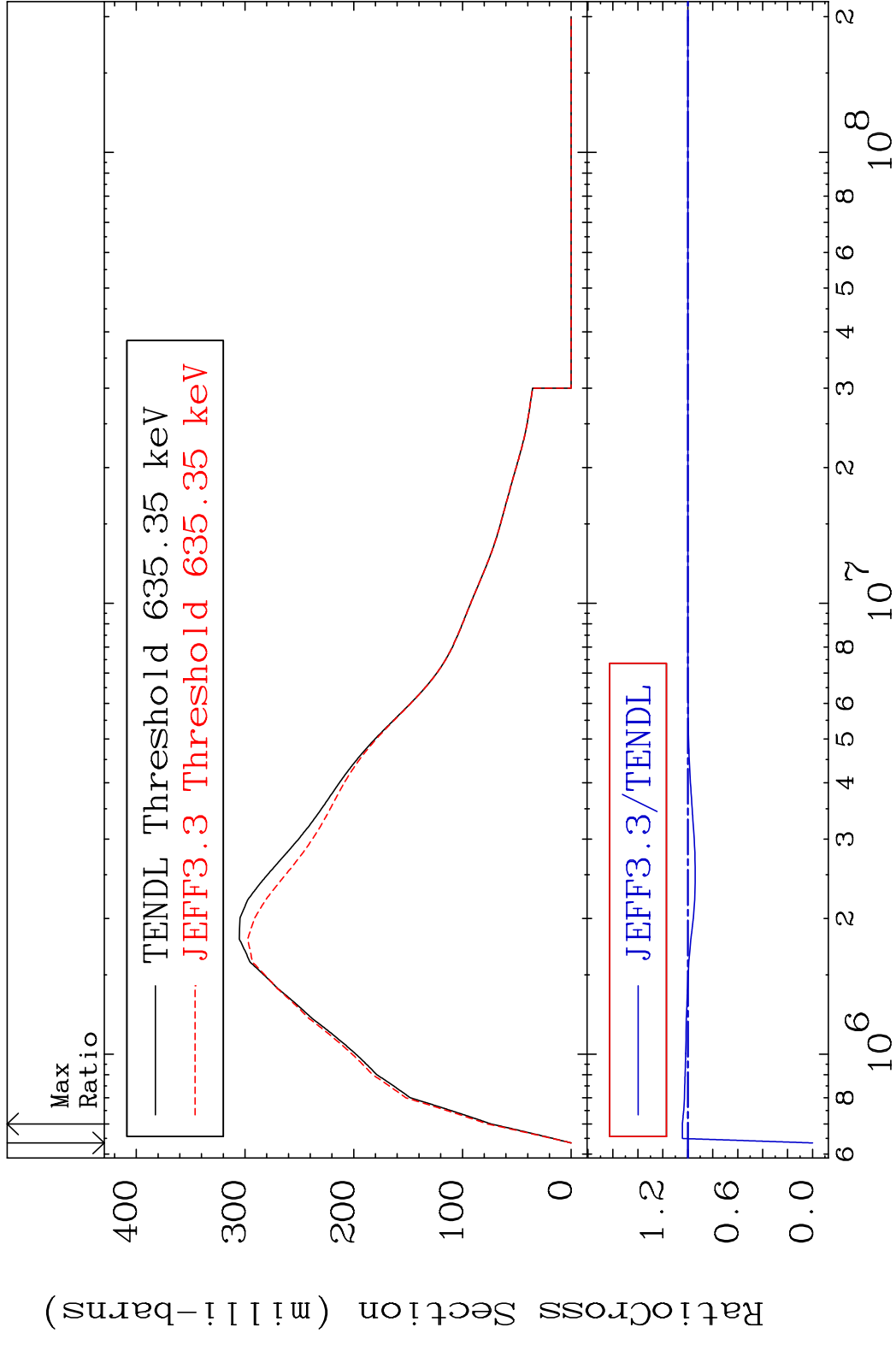
MAT 5634 MT= 55 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 462.2 %



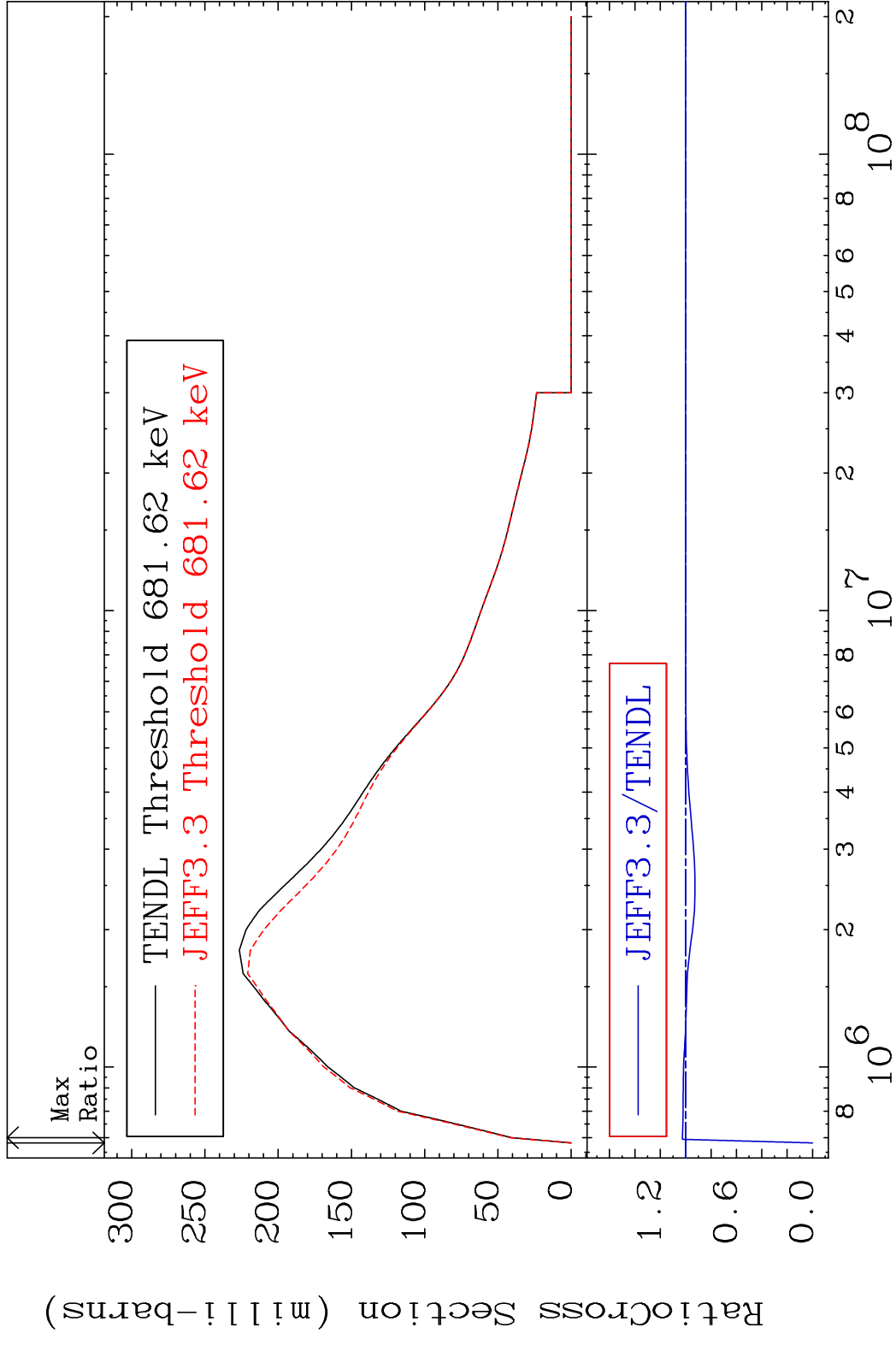
MAT 5634 MT= 56 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 461.2 %



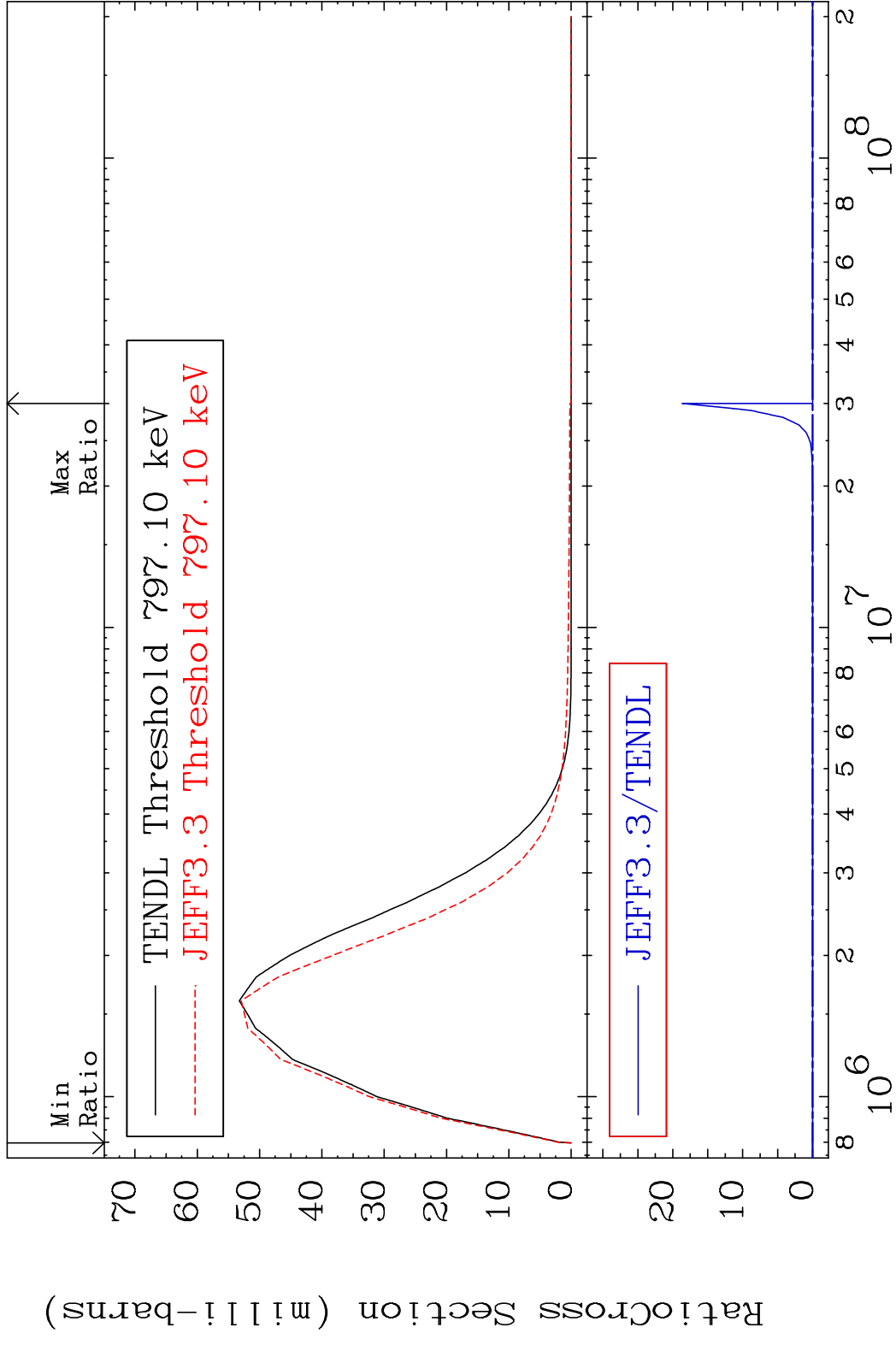
MAT 5634 MT= 57 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 4.359 %



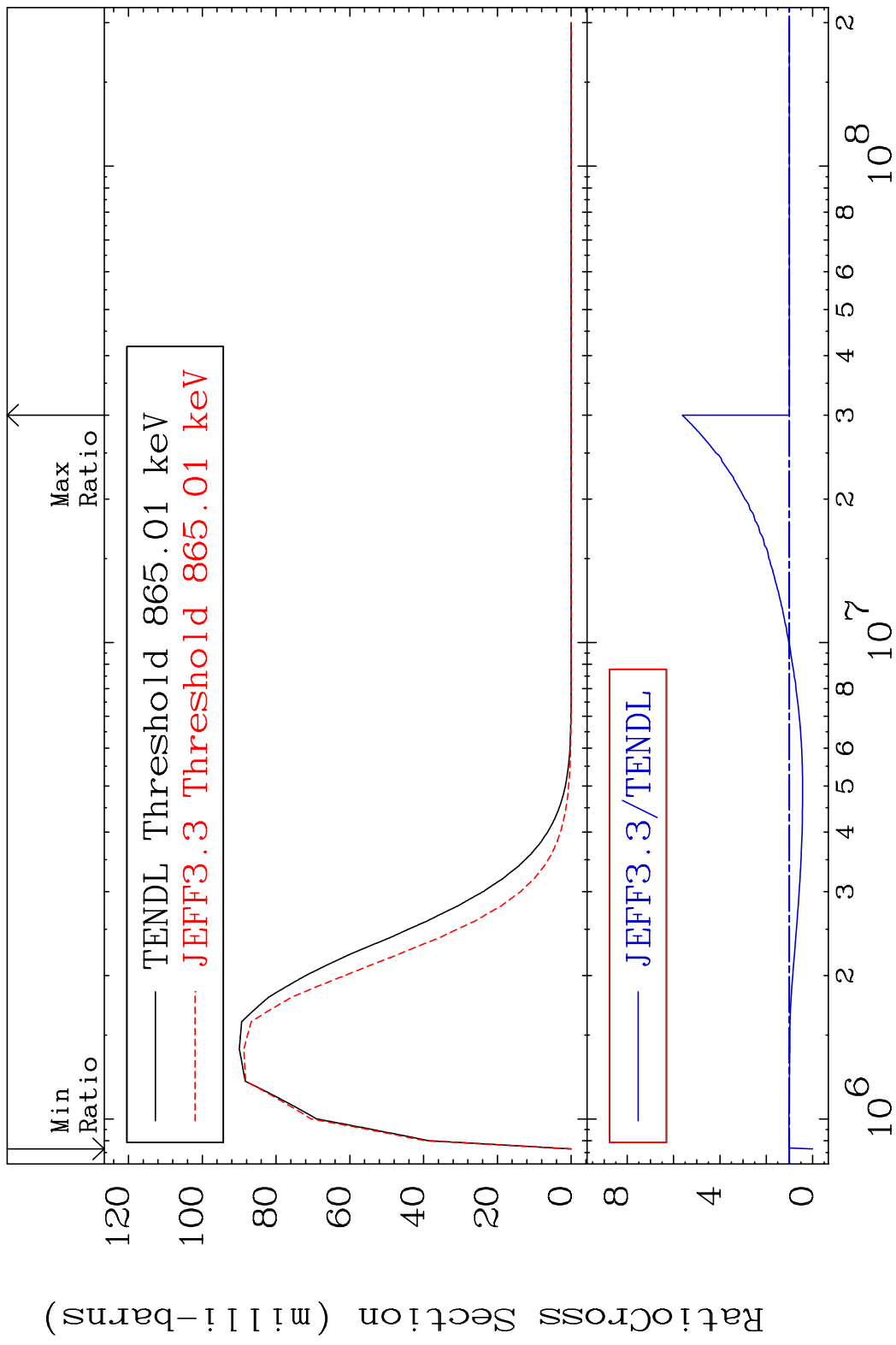
MAT 5634 MT= 58 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 2.577 %



MAT 5634 MT= 59 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 9999. %

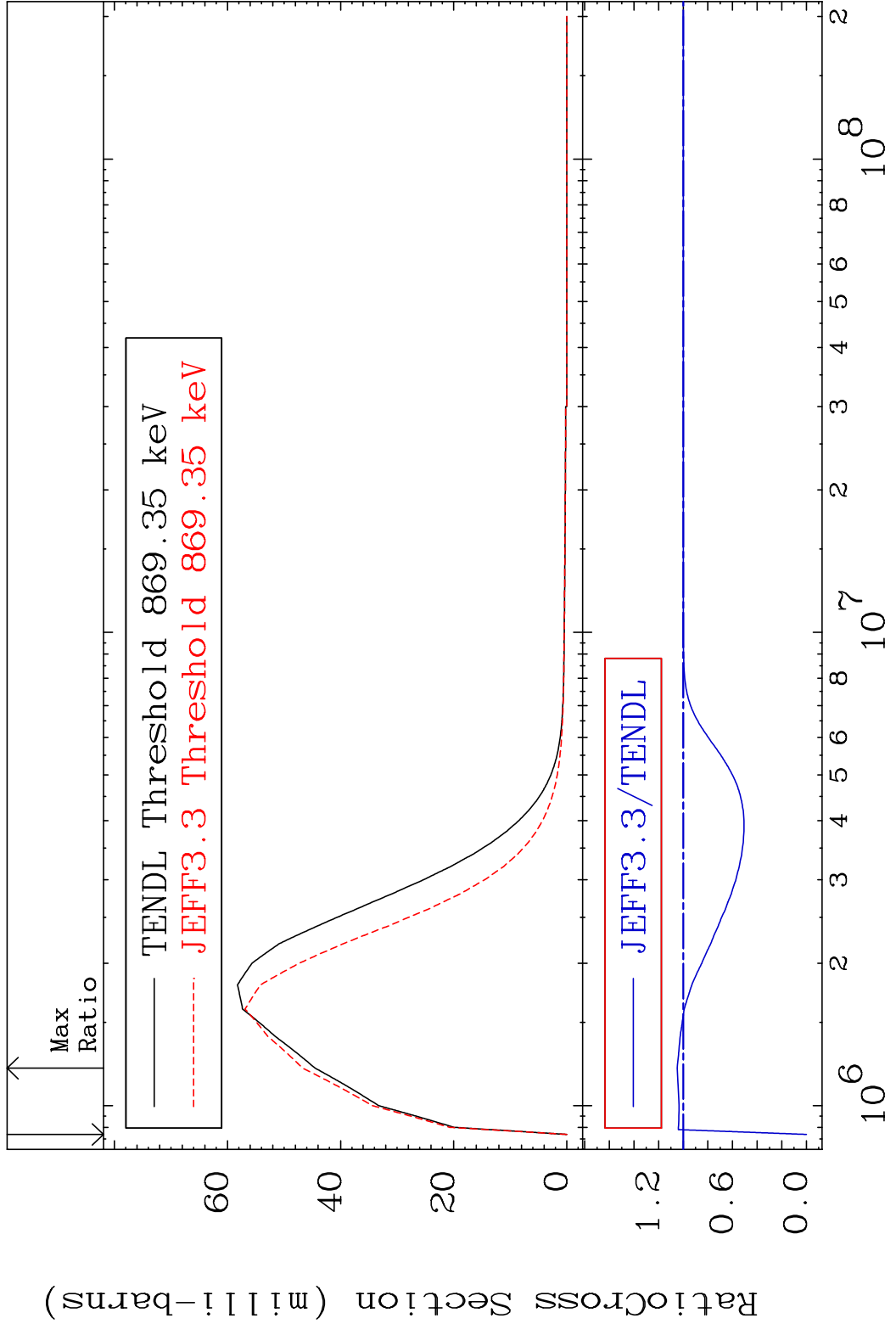


MAT 5634 MT= 60 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 462.2 %



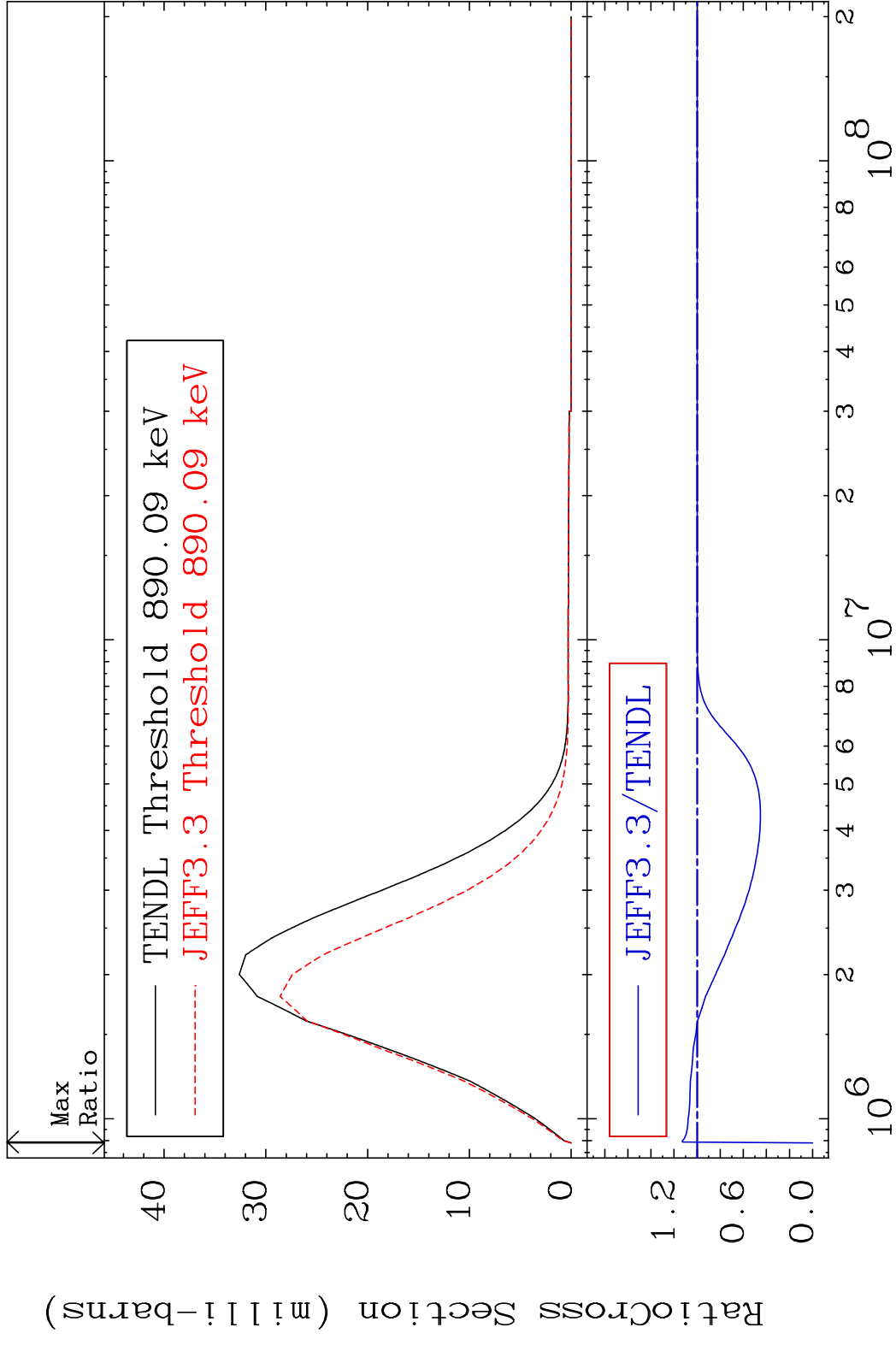
29 Incident Energy (eV) 56-Ba-133

MAT 5634 MT= 61 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 4.927 %



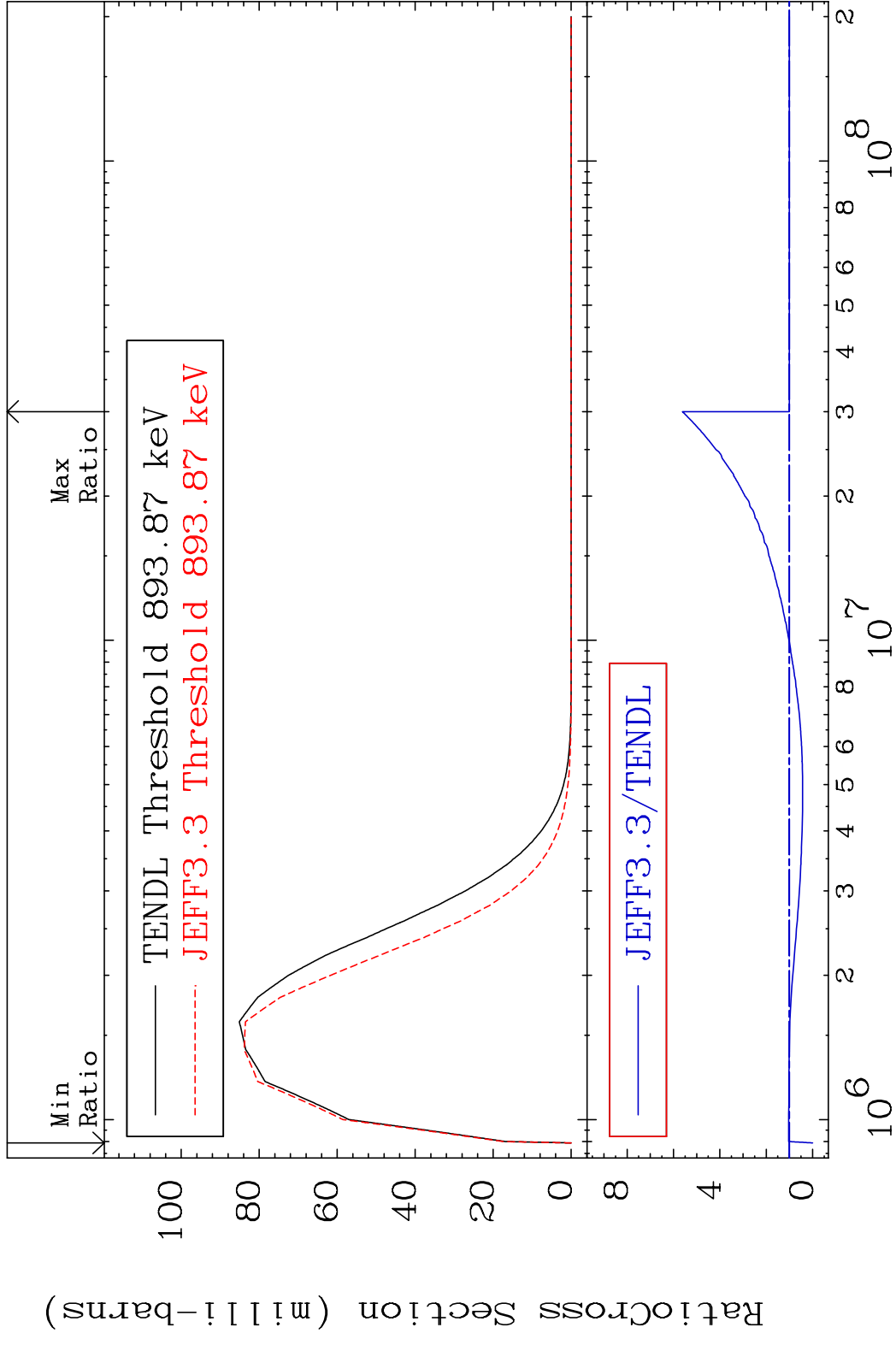
30 Incident Energy (eV) 56-Ba-133

MAT 5634 MT= 62 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 12.81 %



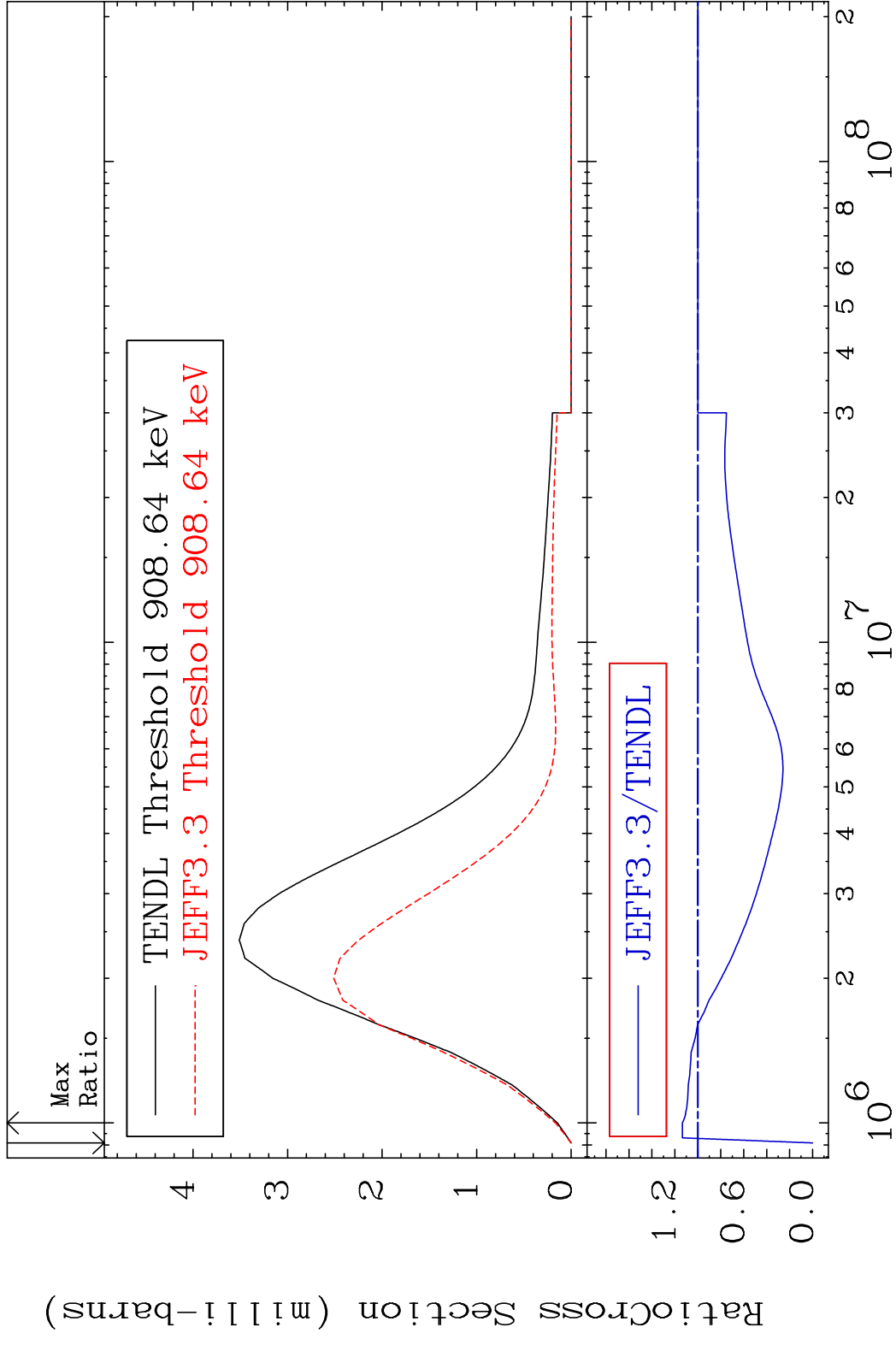


MAT 5634      MT= 63 (n, n') Level      56-Ba-133  
 Cross Section      -100.0 To 461.7 %

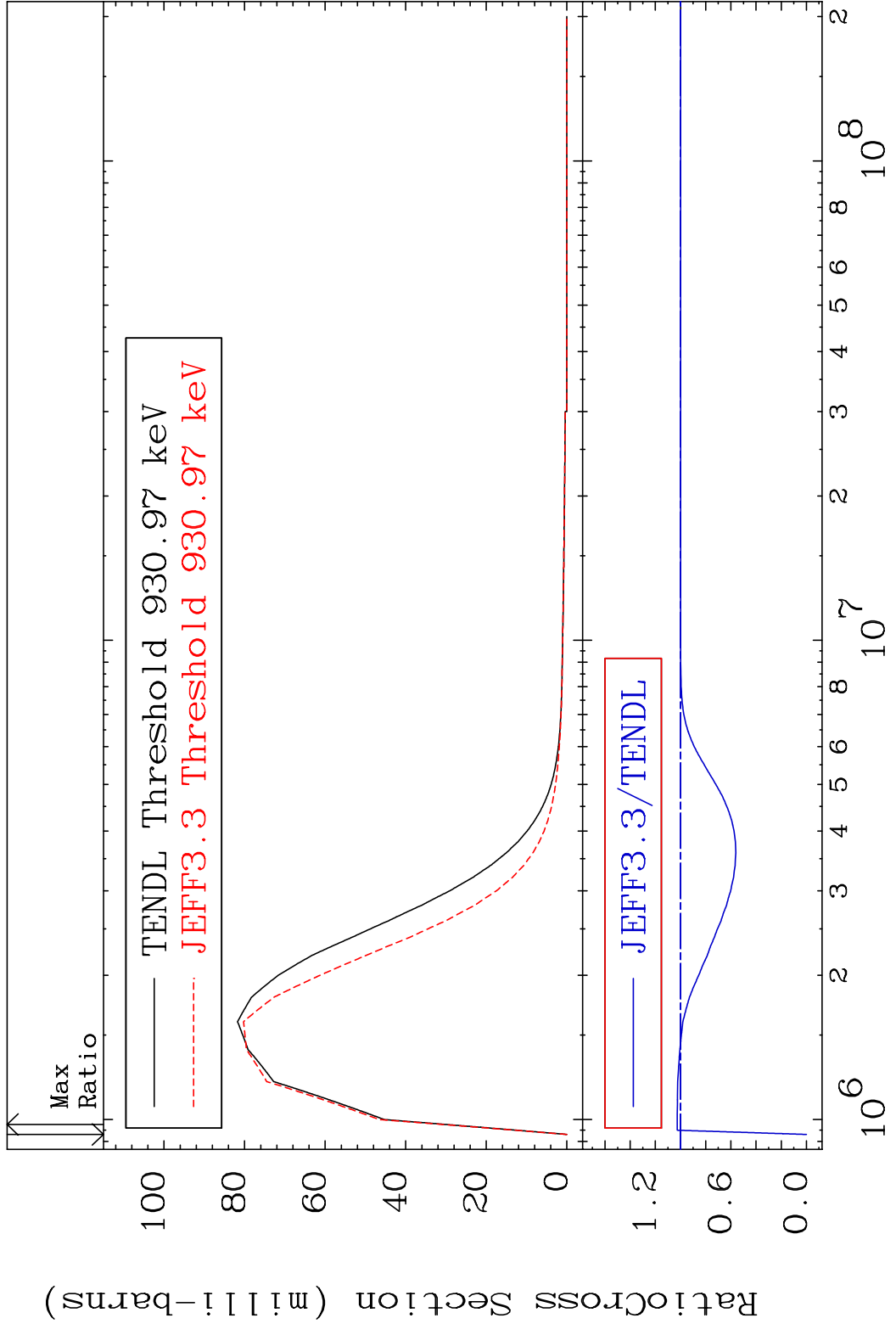


32      Incident Energy (eV)      56-Ba-133

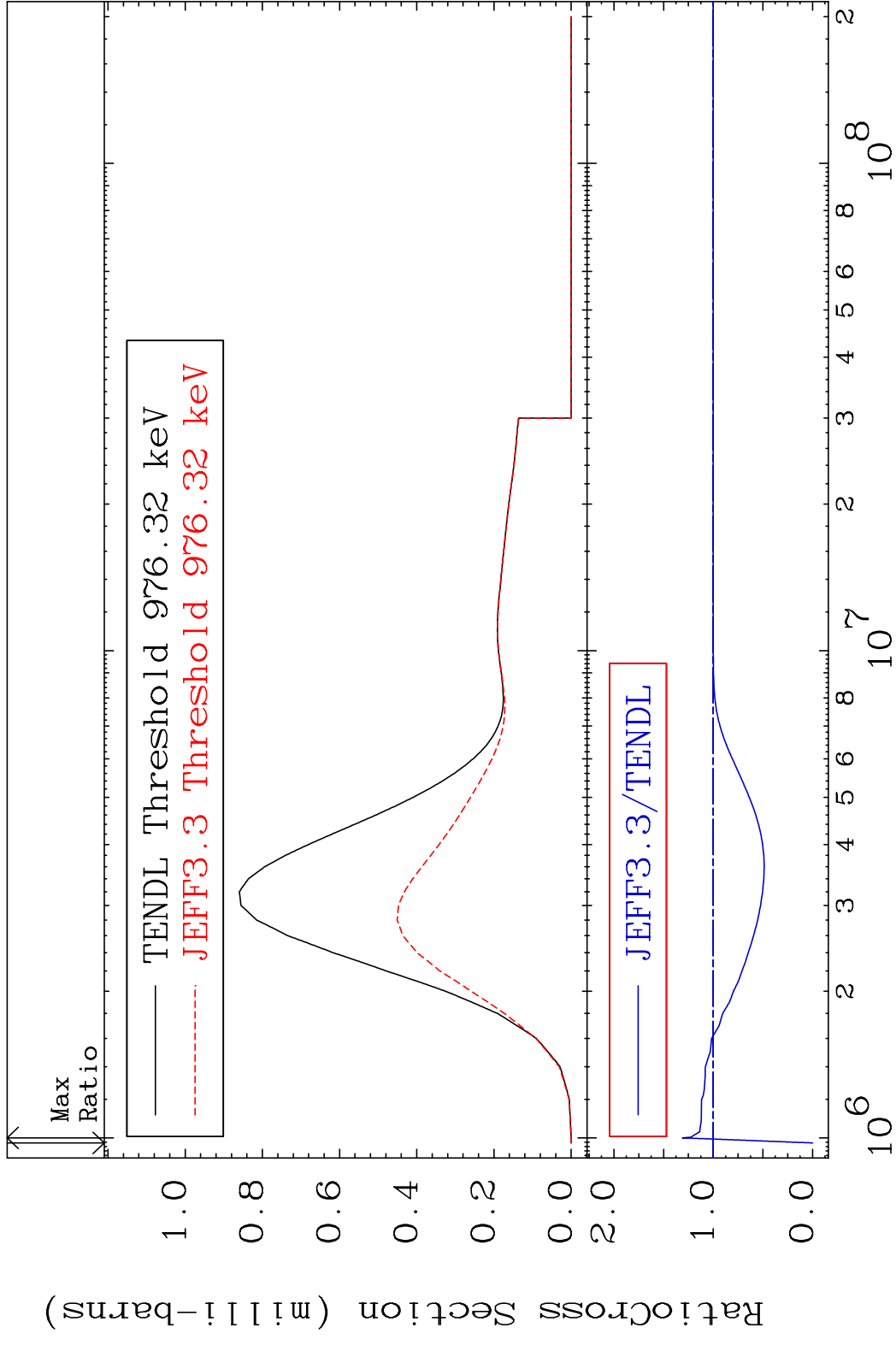
MAT 5634 MT= 64 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 13.46 %



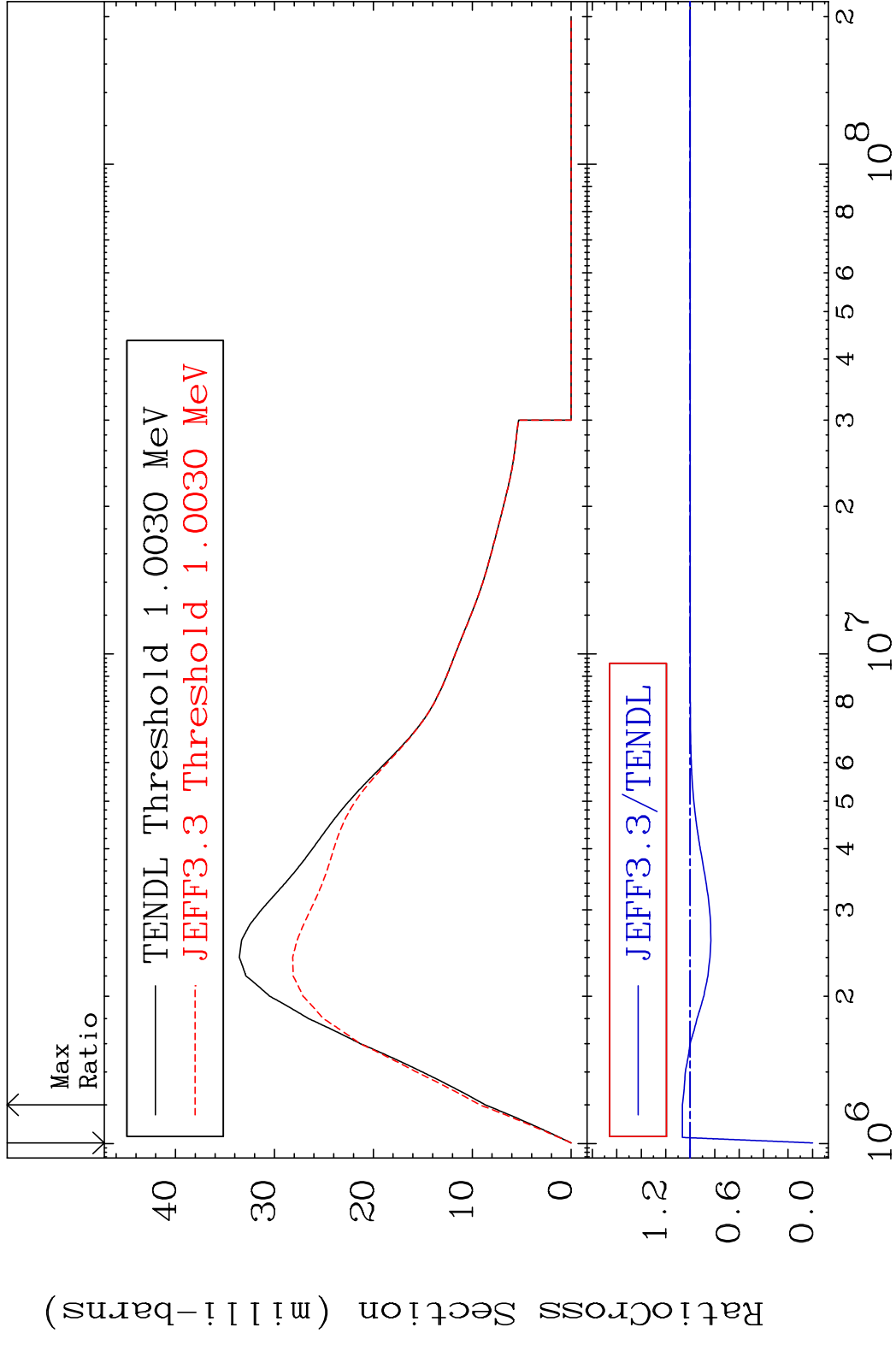
MAT 5634 MT= 65 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 2.660 %



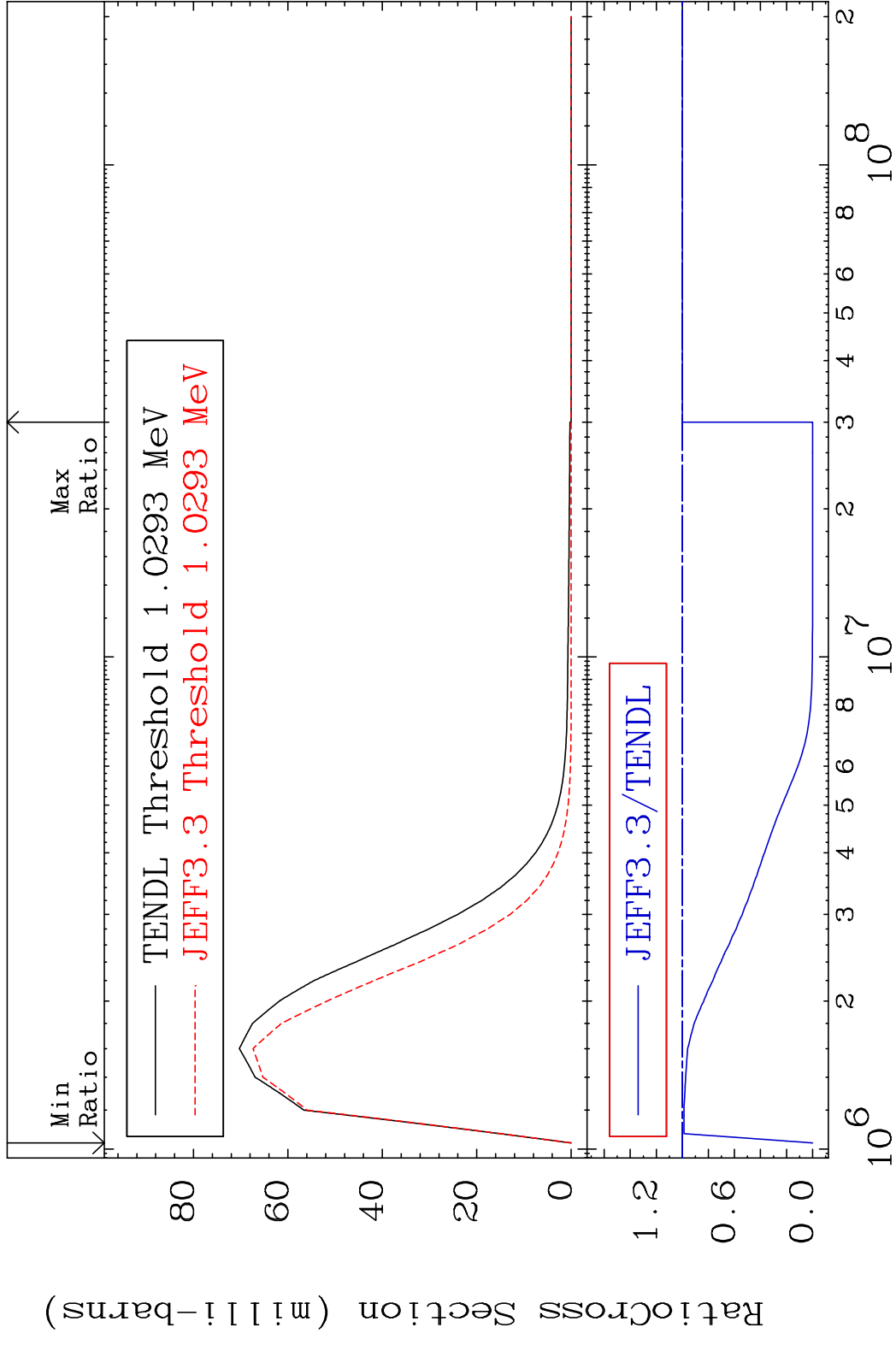
MAT 5634 MT= 66 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 31.10 %



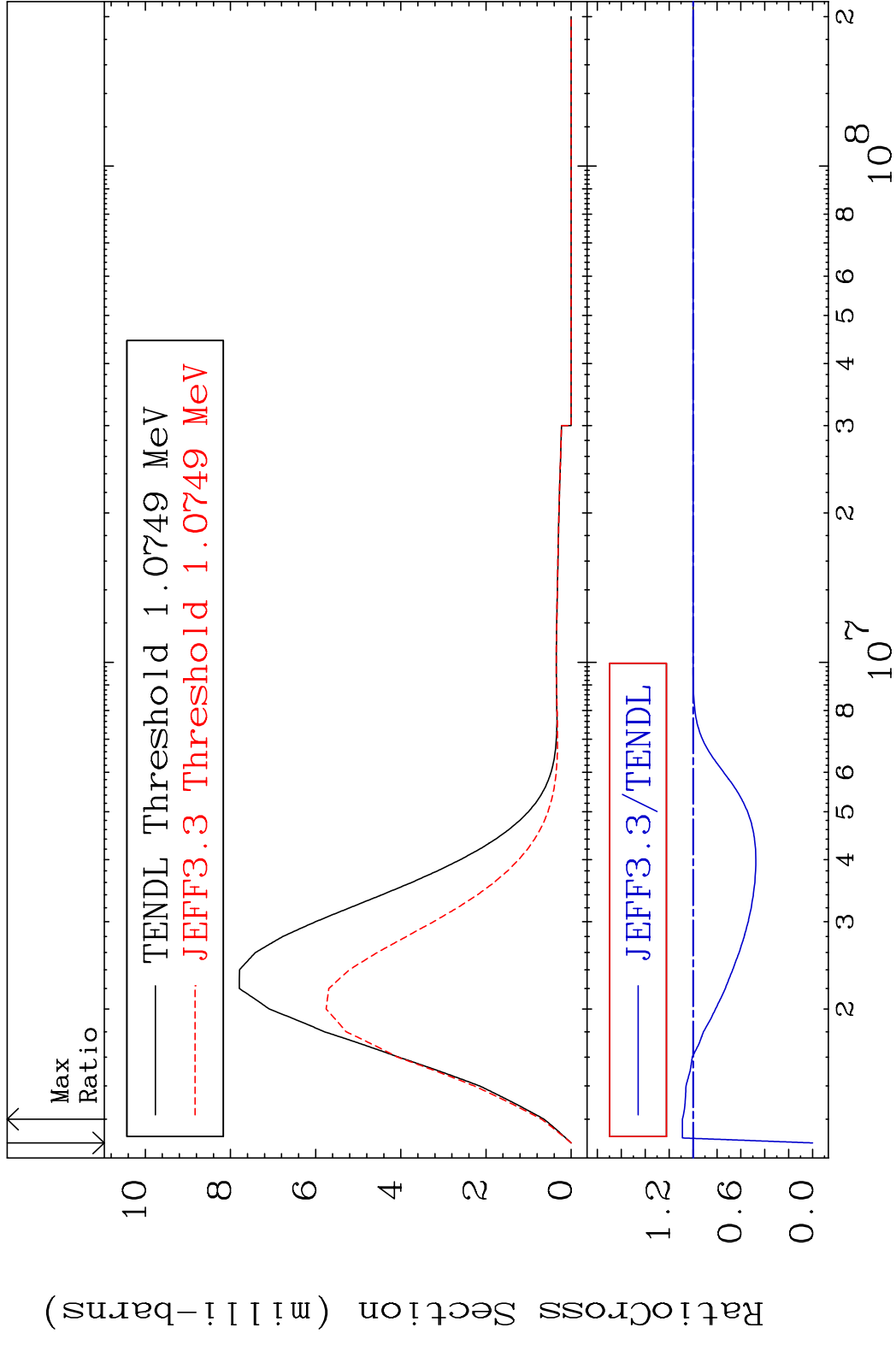
MAT 5634 MT= 67 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 6.411 %



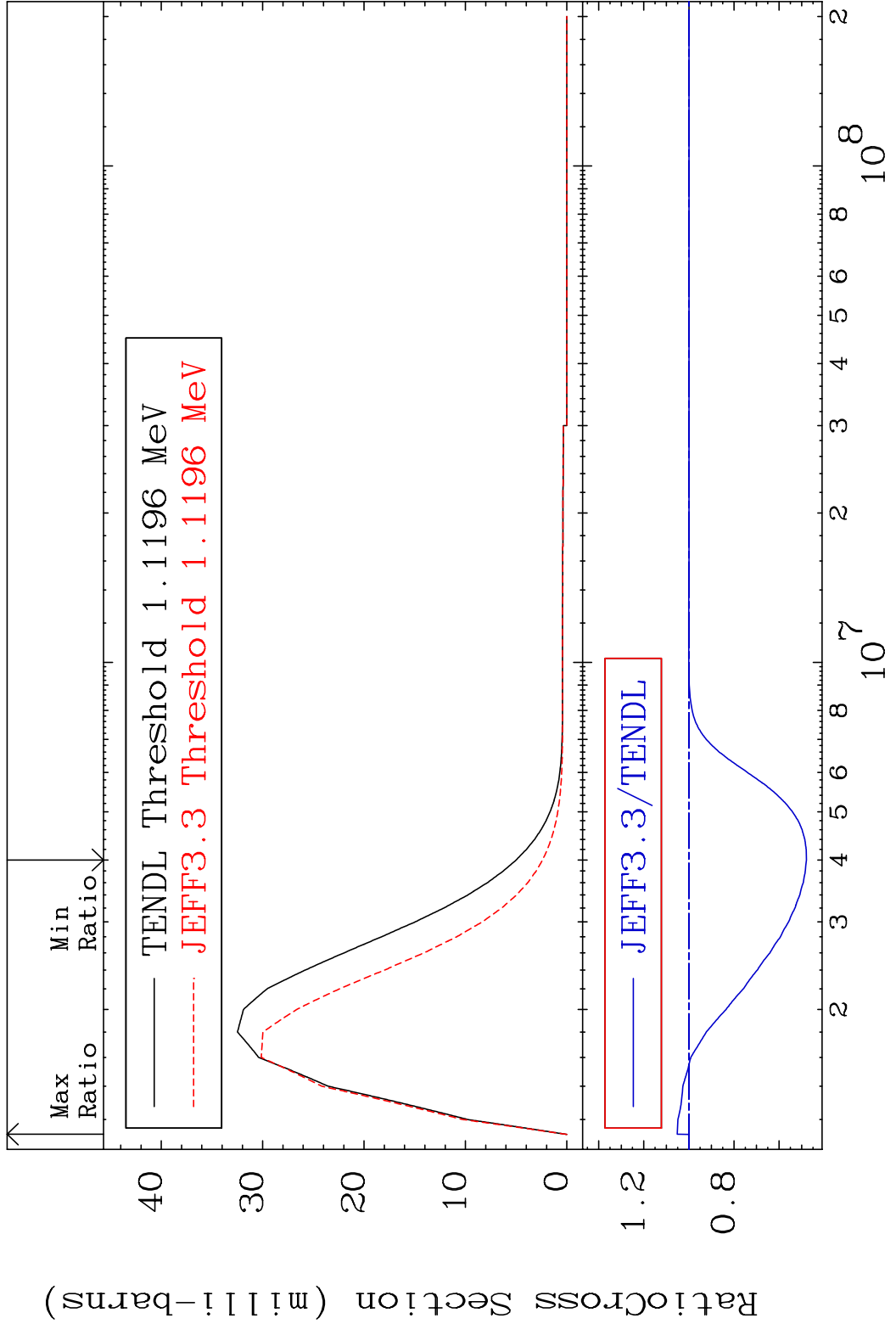
MAT 5634      MT= 68 (n, n') Level      56-Ba-133  
 Cross Section    -100.0 To 0.000 %



MAT 5634 MT= 69 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 8.939 %

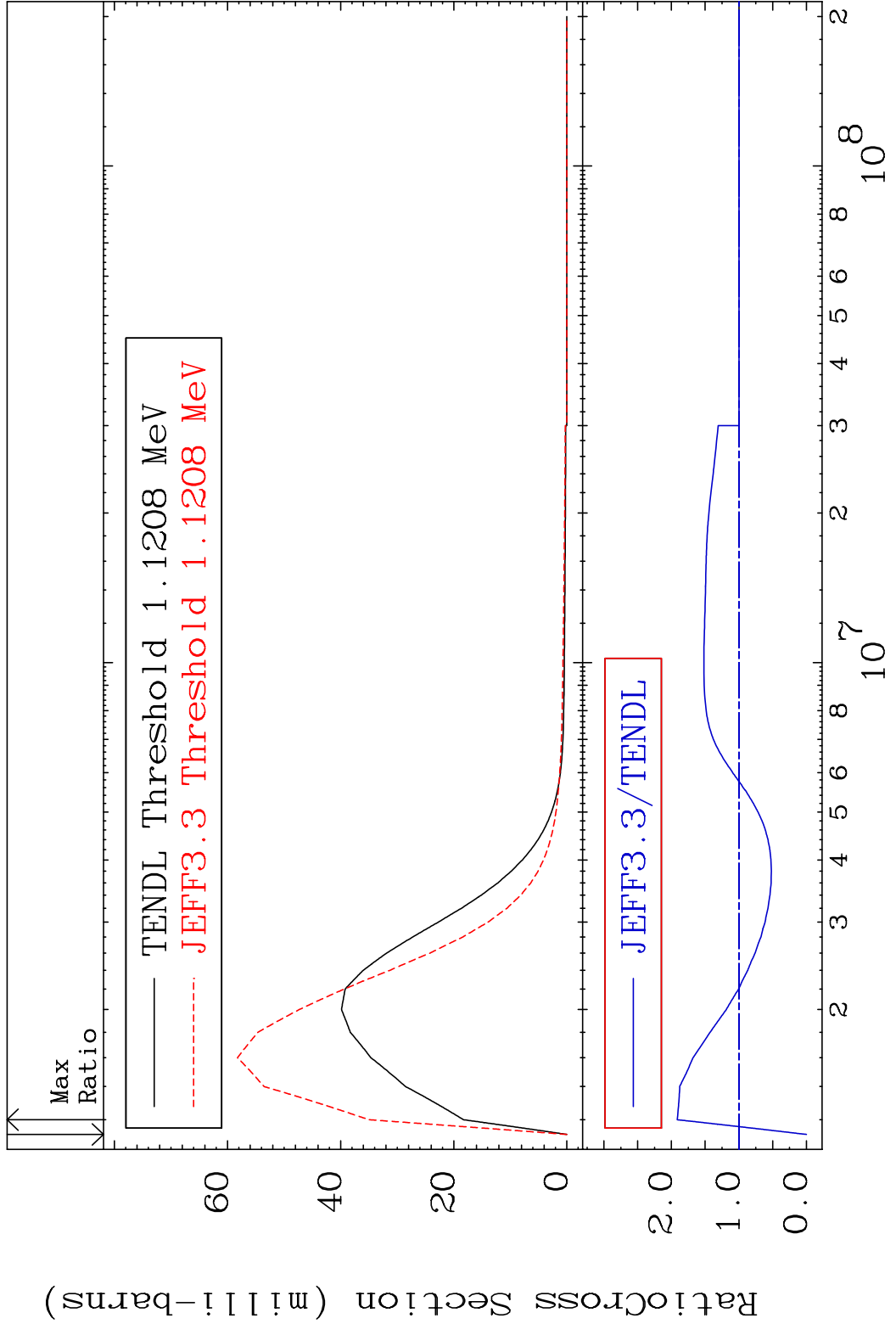


MAT 5634 MT= 70 (n,n') Level 56-Ba-133  
 Cross Section -52.11 To 5.188 %



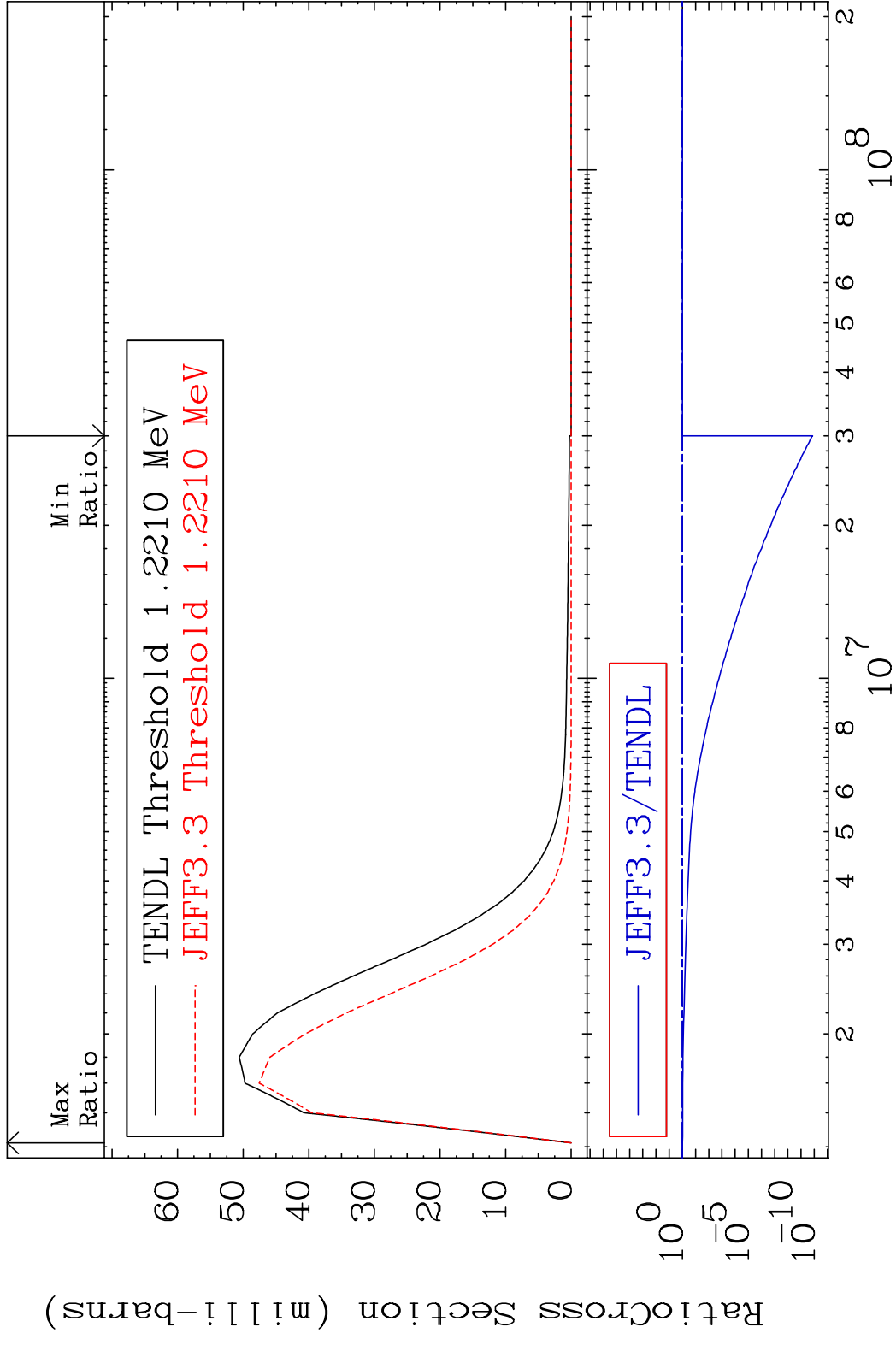


MAT 5634      MT= 71 (n, n') Level      56-Ba-133  
 Cross Section    -100.0 To 91.44 %

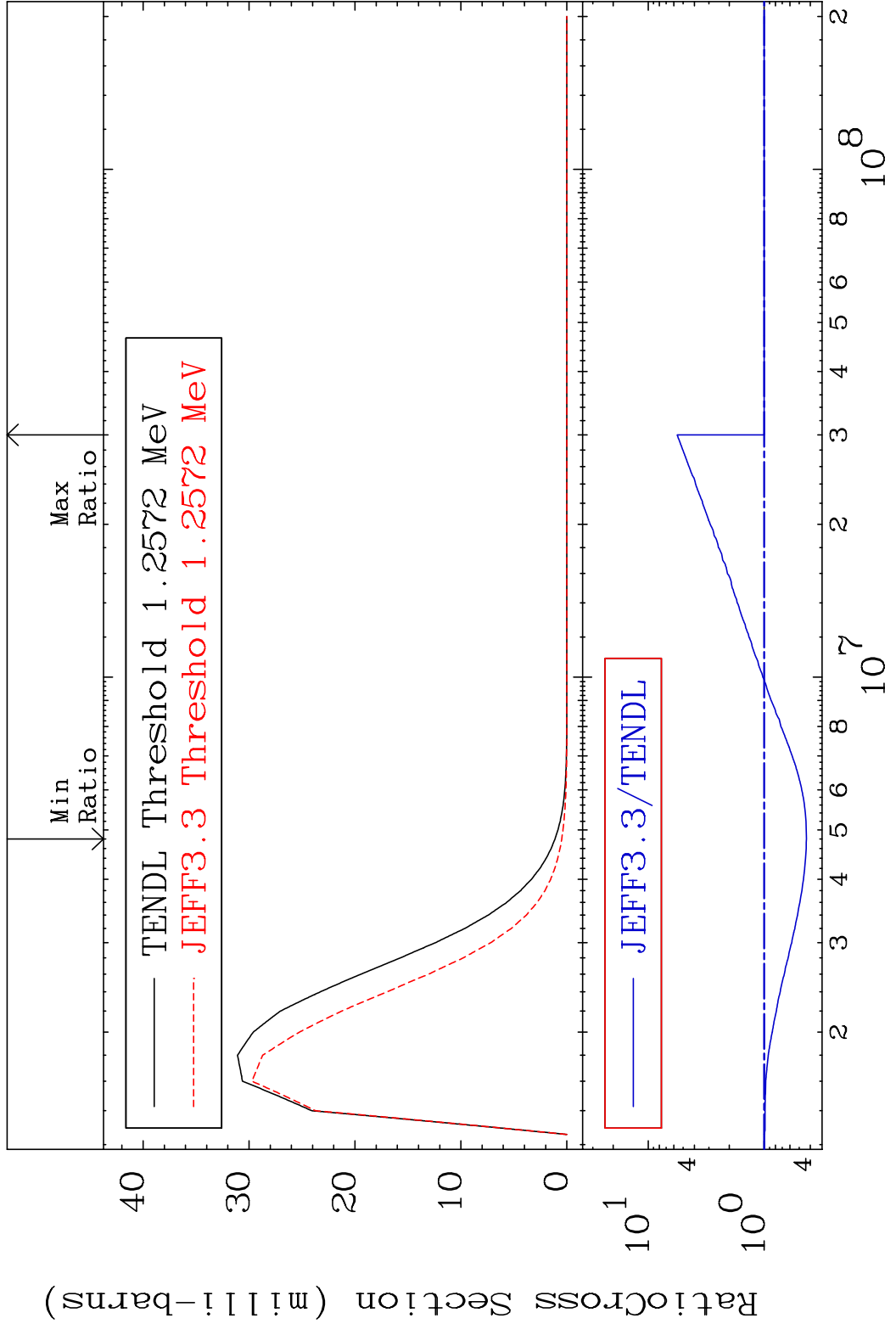


40      Incident Energy (eV)      56-Ba-133

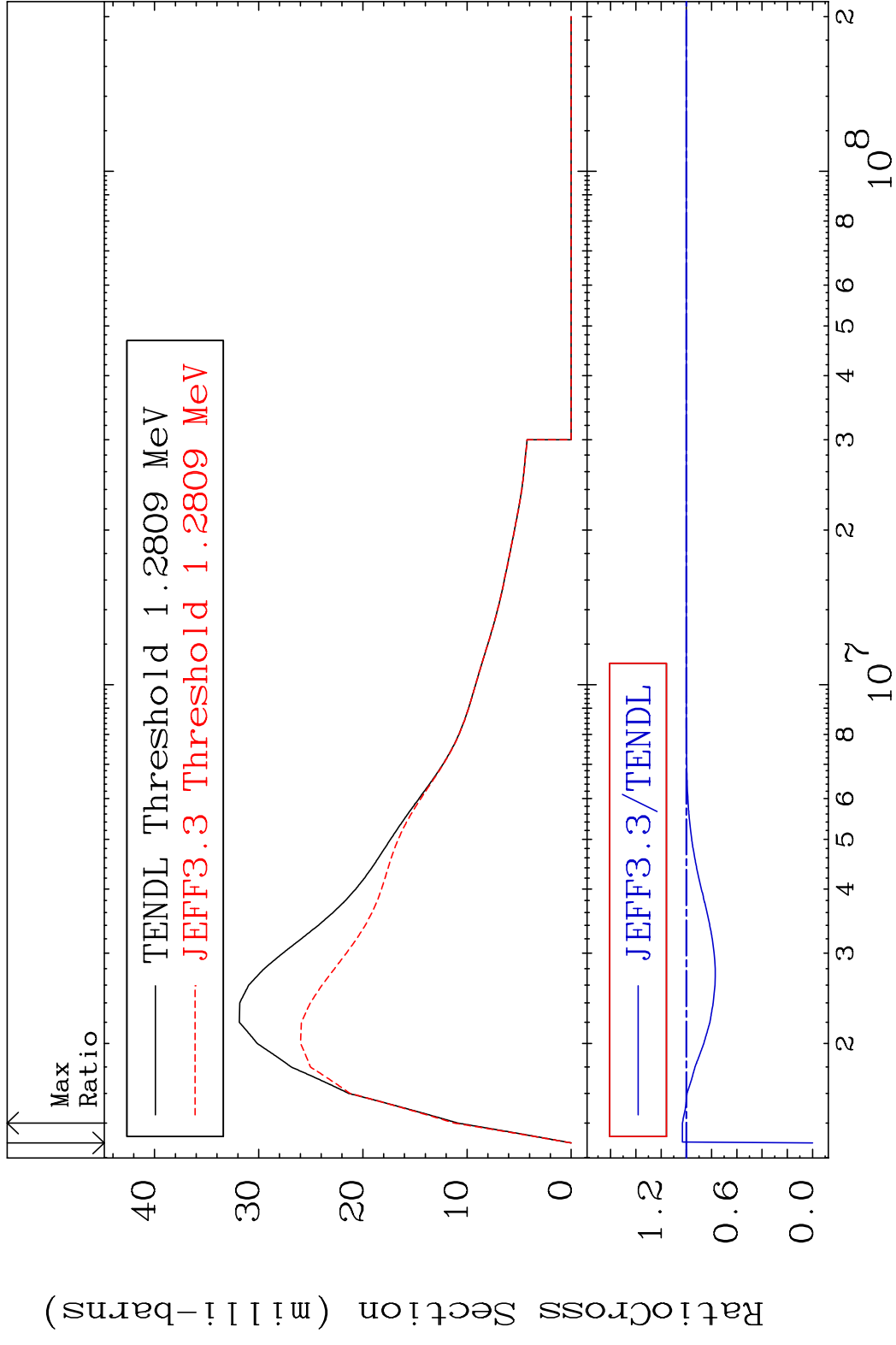
MAT 5634 MT= 72 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 0.000 %



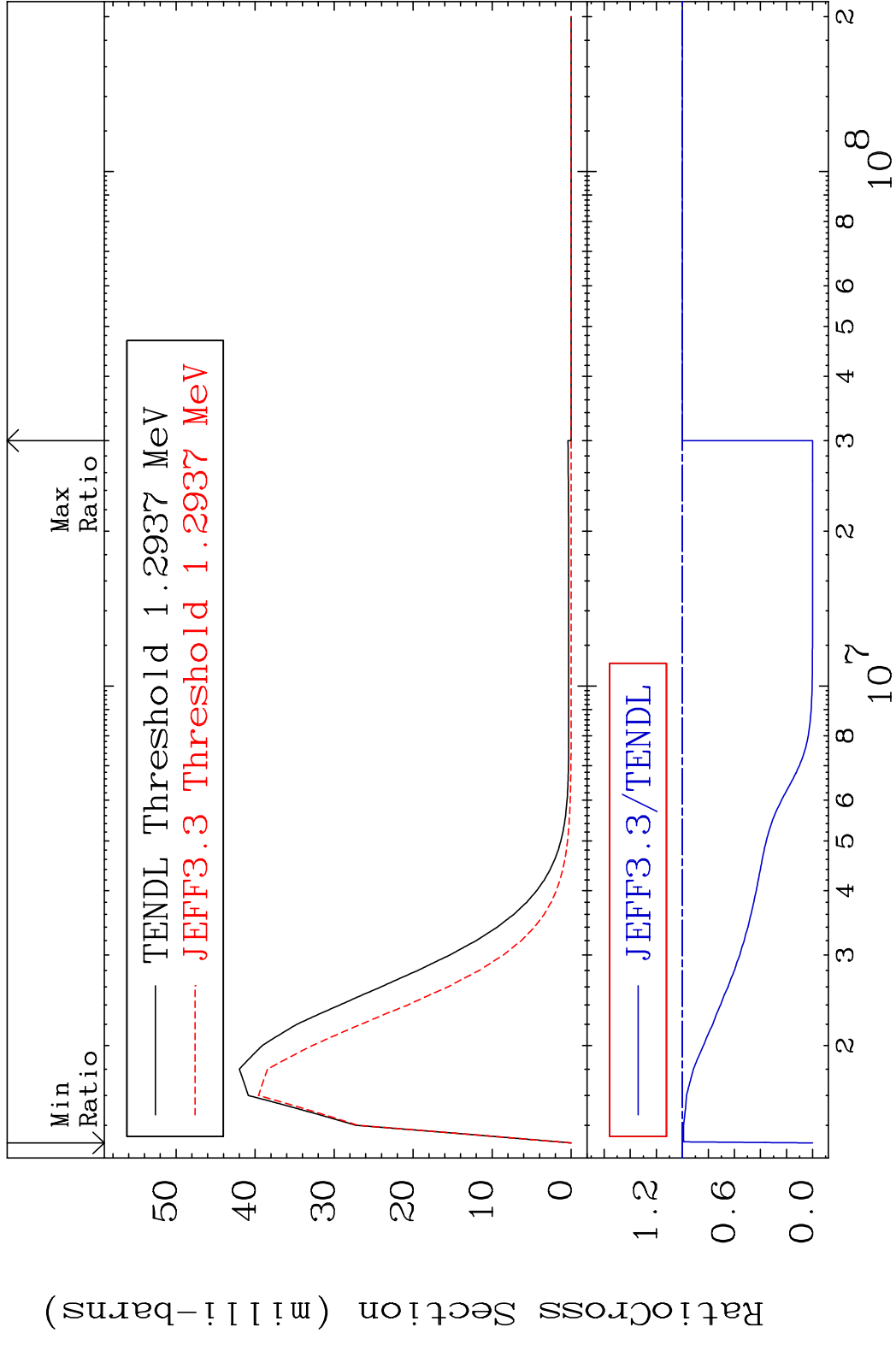
MAT 5634 MT= 73 (n, n') Level 56-Ba-133  
 Cross Section -56.73 To 462.3 %



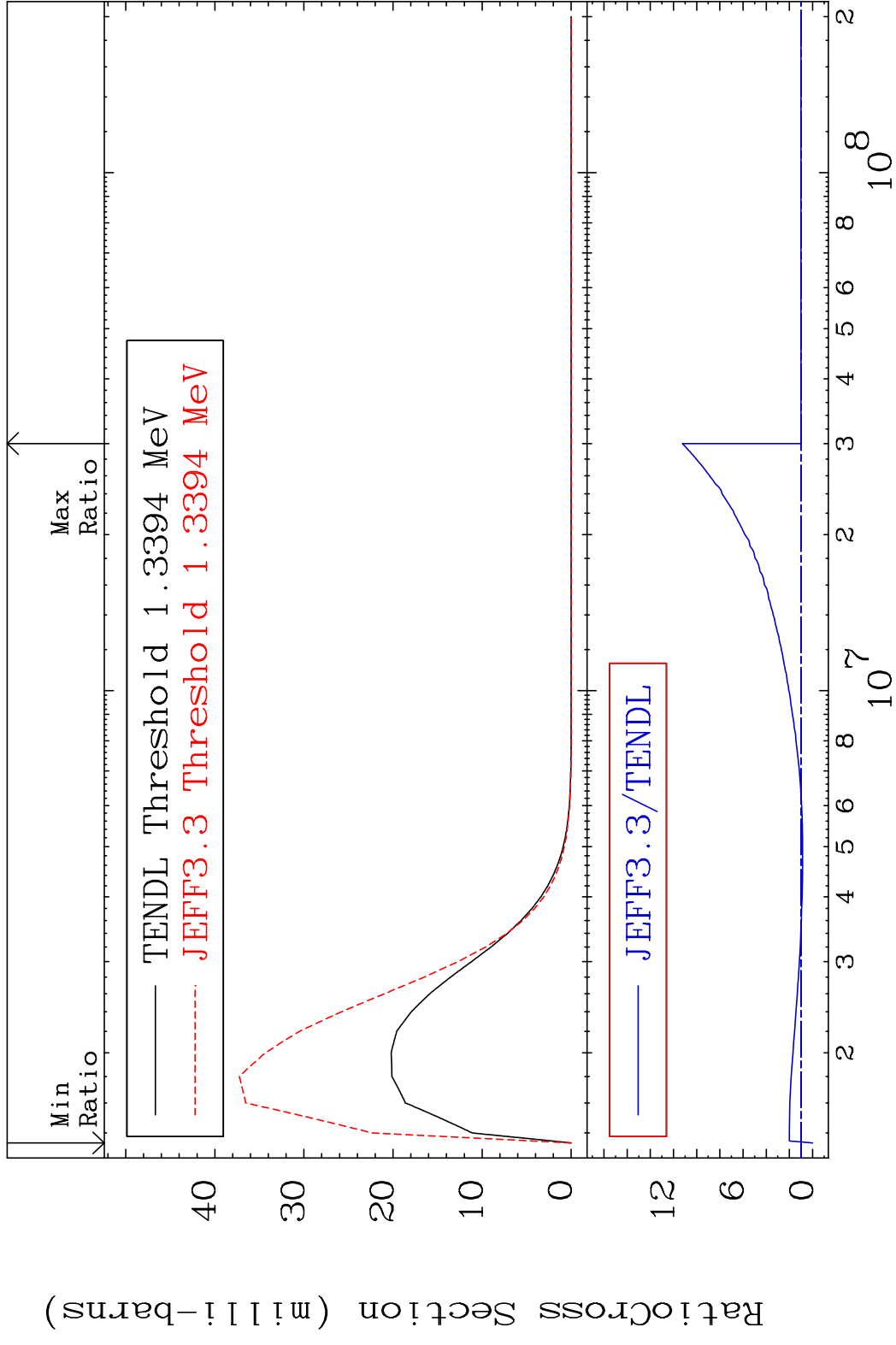
MAT 5634 MT= 74 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 3.137 %



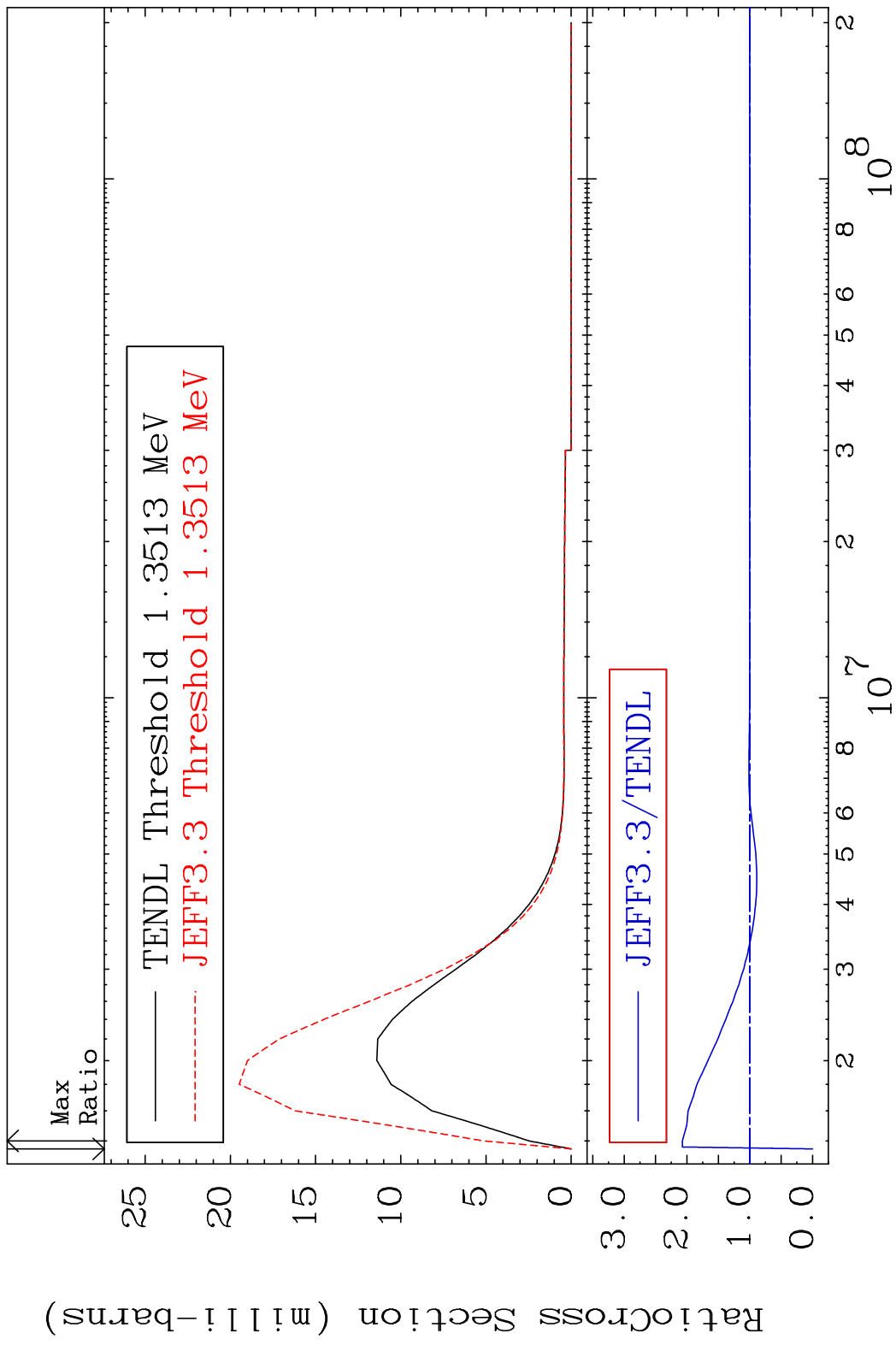
MAT 5634 MT= 75 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 0.000 %



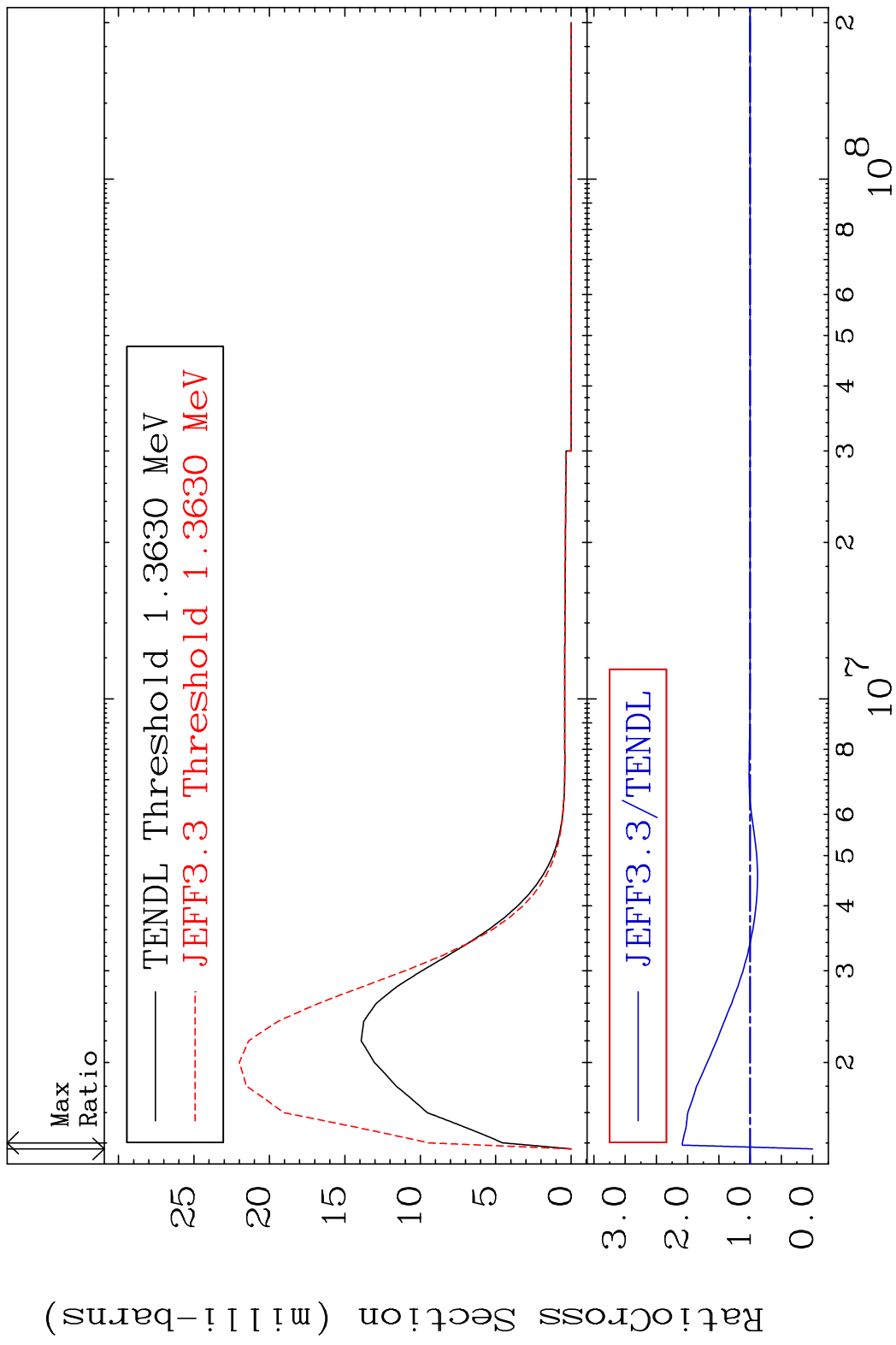
MAT 5634 MT= 76 (n, n') Level 56-Ba-133  
 Cross Section -100.0 To 1024. %



MAT 5634 MT= 77 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 107.4 %



MAT 5634 MT= 78 (n,n') Level 56-Ba-133  
 Cross Section -100.0 To 108.5 %



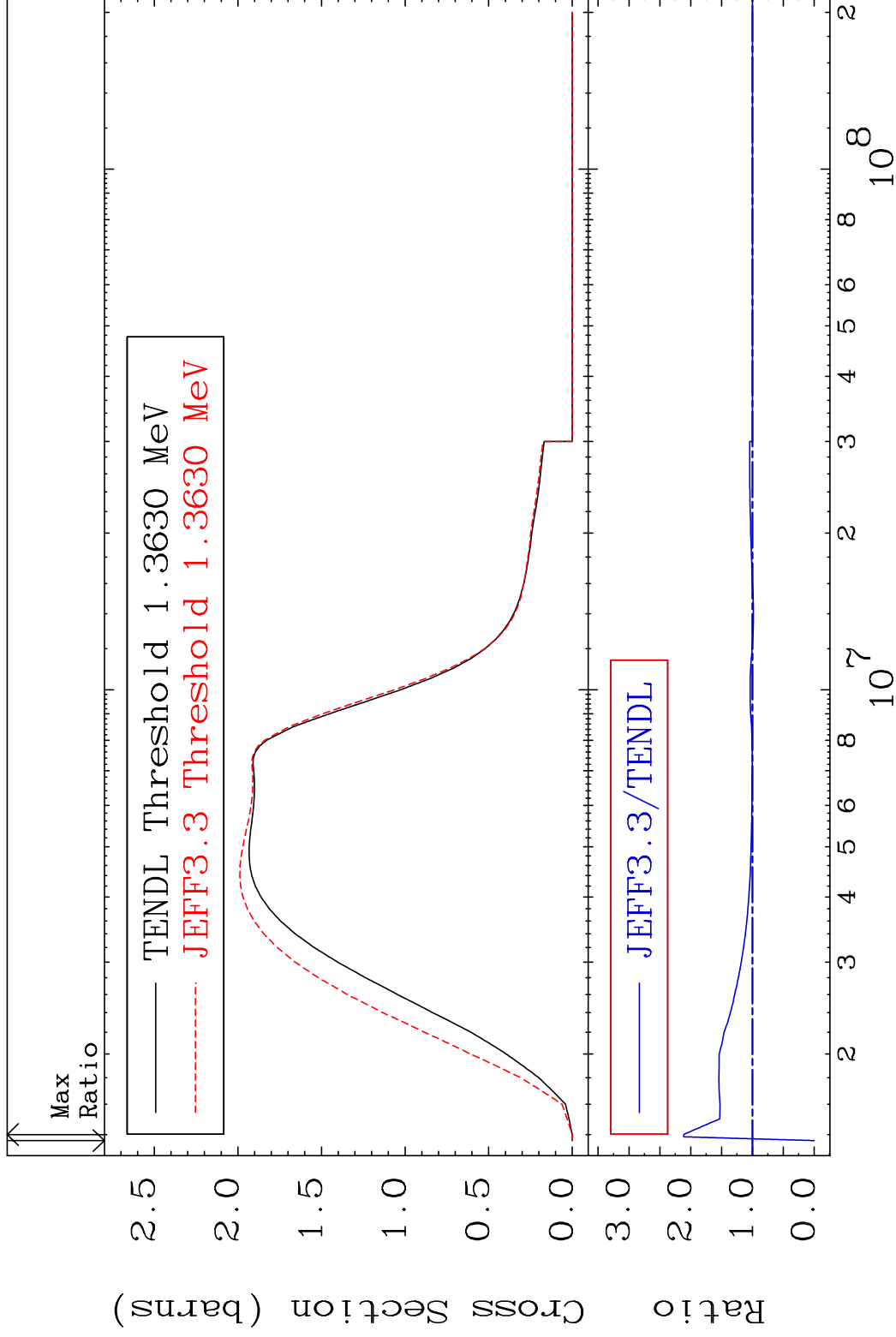


MAT 5634

(n, n') Continuum

56-Ba-133

Cross Section -100.0 To 111.4 %



48

Incident Energy (eV)

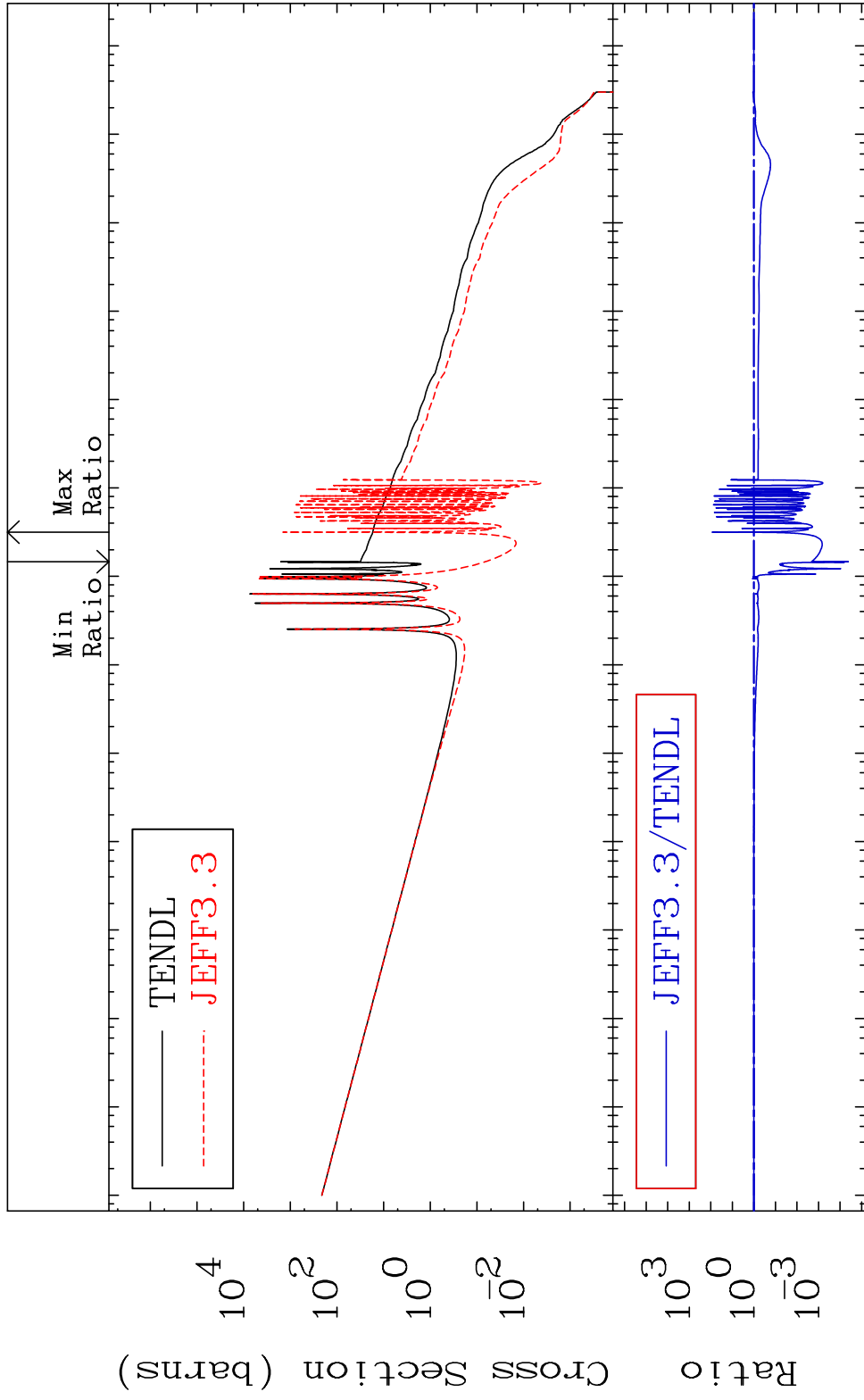
56-Ba-133

MAT 5634

(n,  $\gamma$ )

56-Ba-133

Cross Section -100.0 To 8339. %



49

Incident Energy (eV)

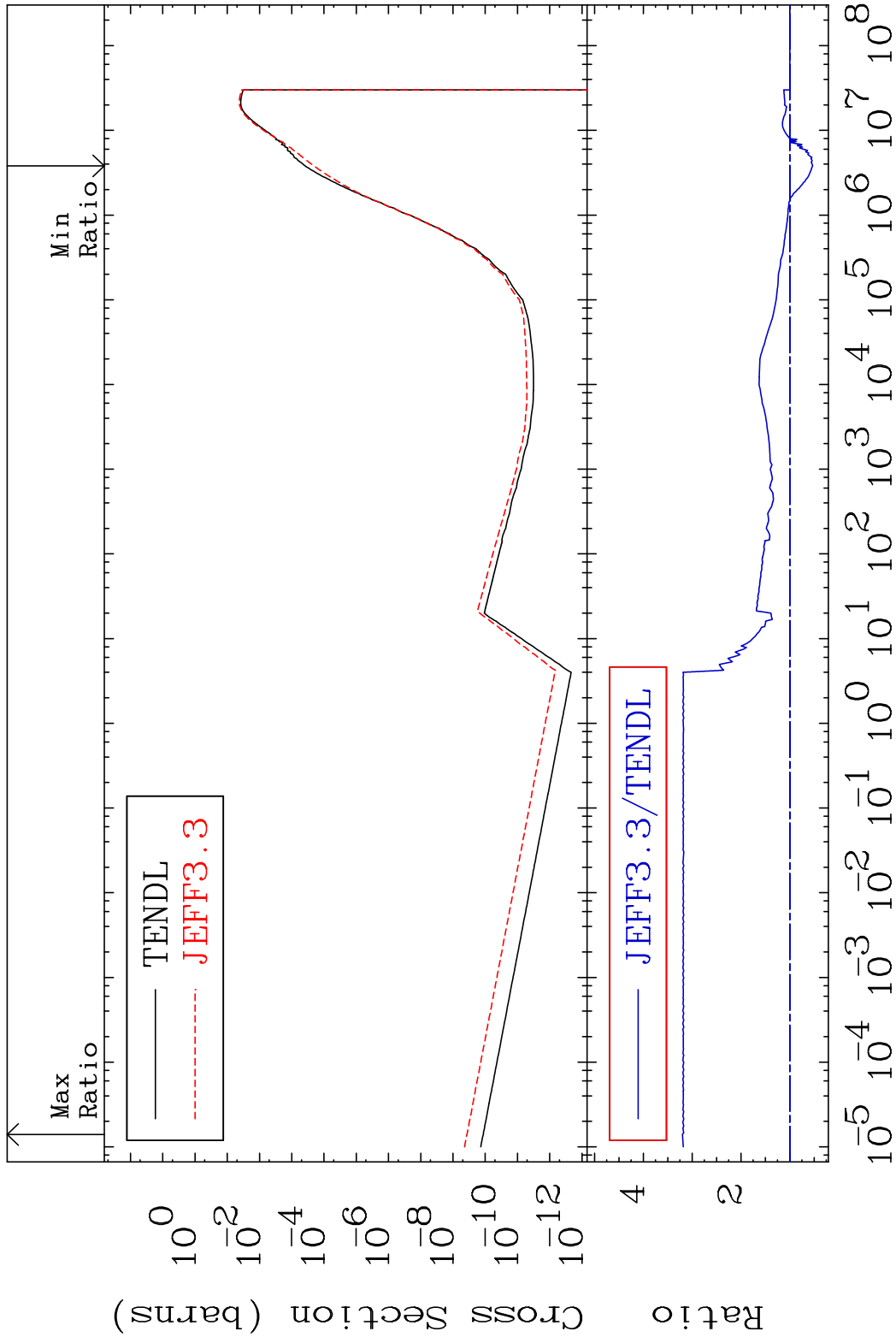
56-Ba-133

MAT 5634

(n, p)

56-Ba-133

Cross Section -46.84 To 220.0 %



50

Incident Energy (eV)

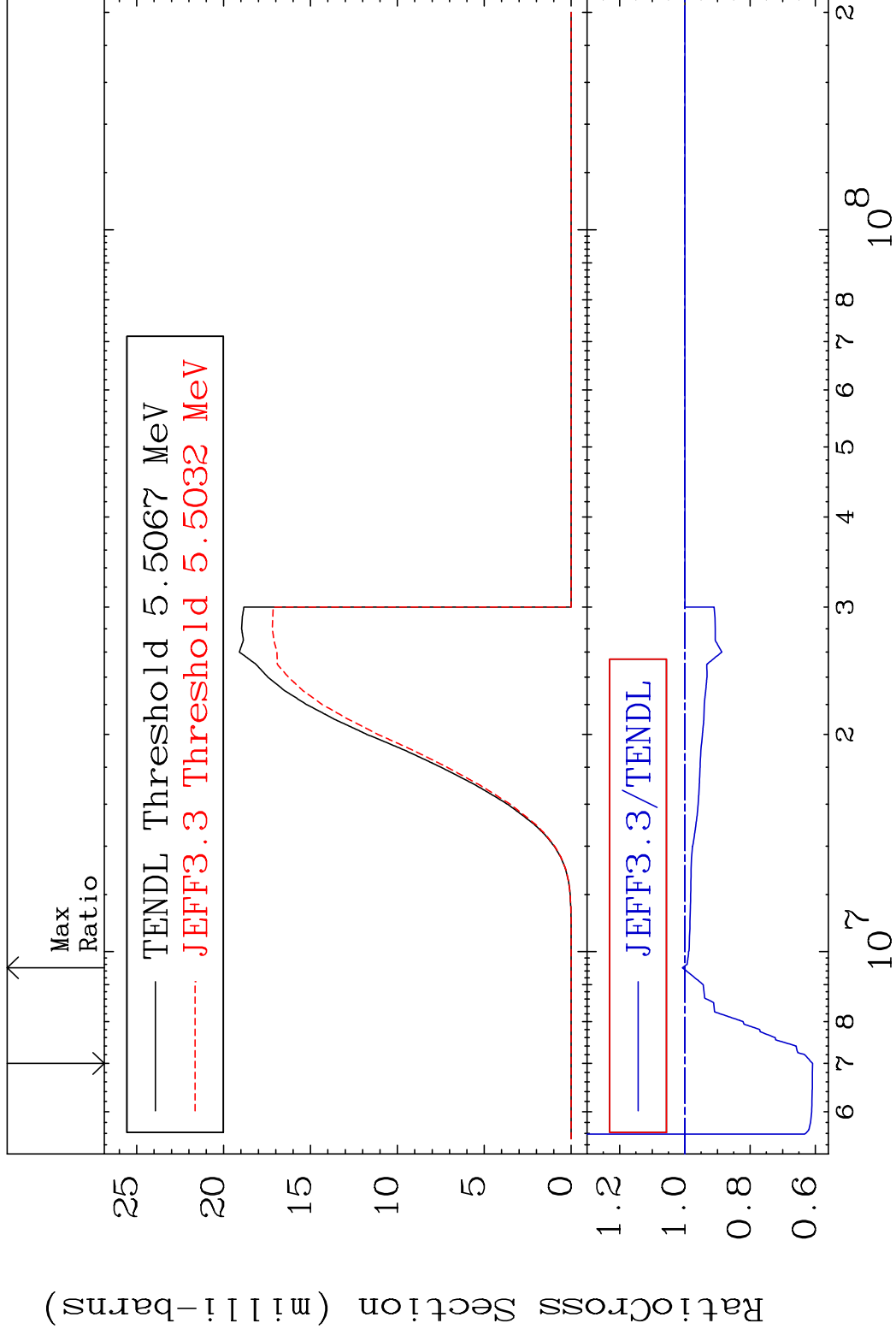
56-Ba-133

MAT 5634

(n,d)

56-Ba-133

Cross Section -39.15 To 0.770 %

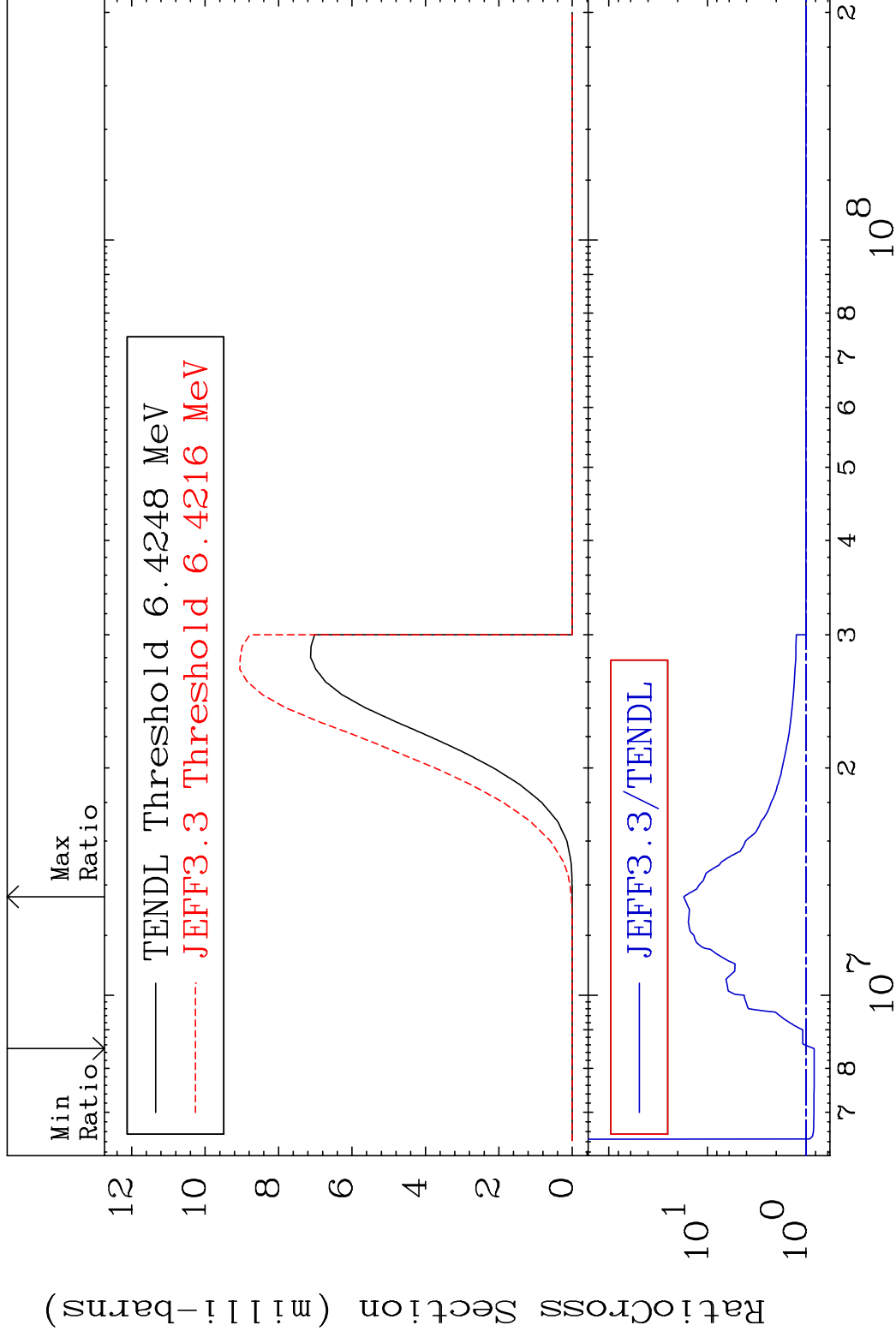


MAT 5634

(n, t)

56-Ba-133

Cross Section -17.21 To 1639. %



52

Incident Energy (eV)

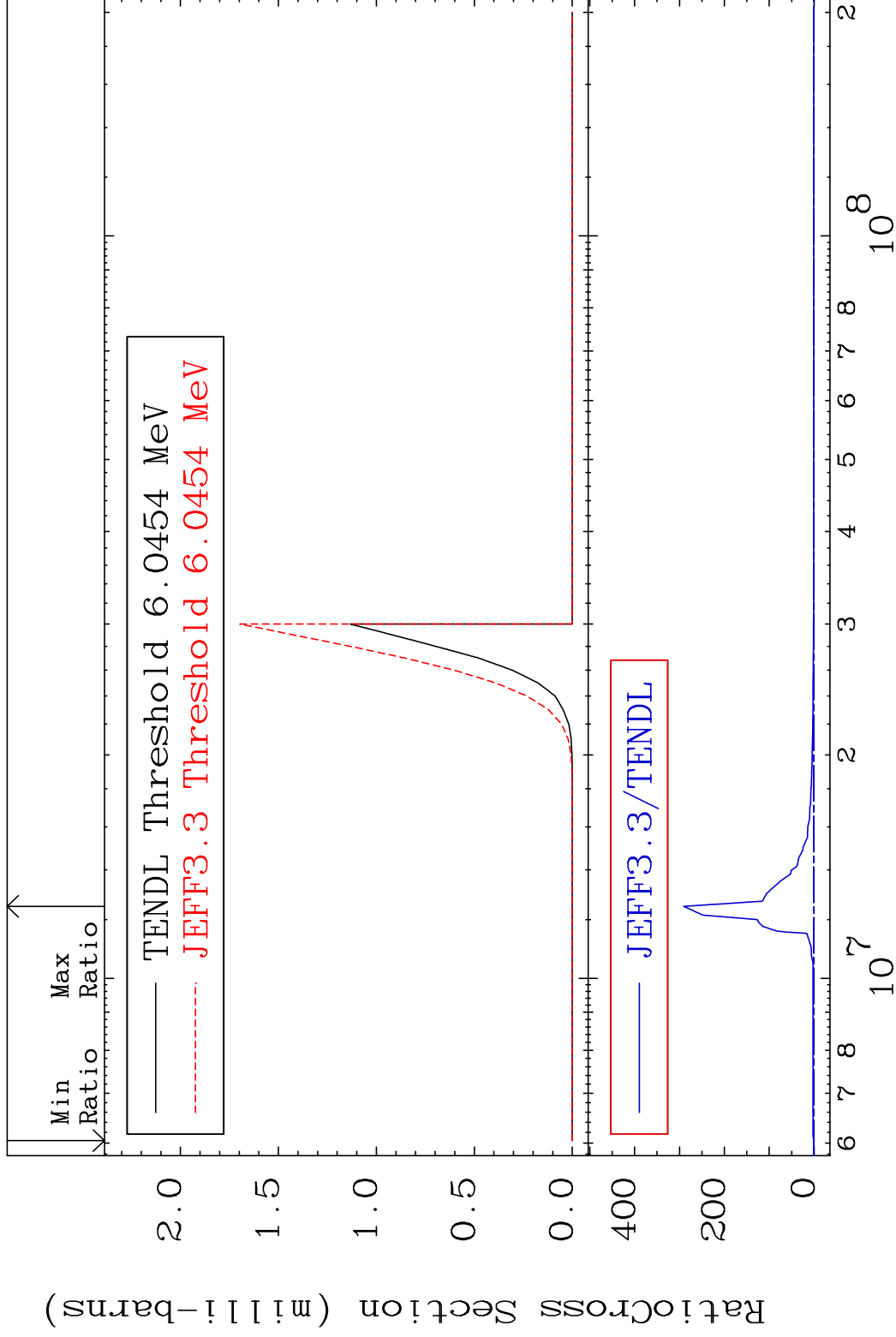
56-Ba-133

MAT 5634

(n, He-3)

56-Ba-133

Cross Section -100.0 To 9999. %



53

Incident Energy (eV)

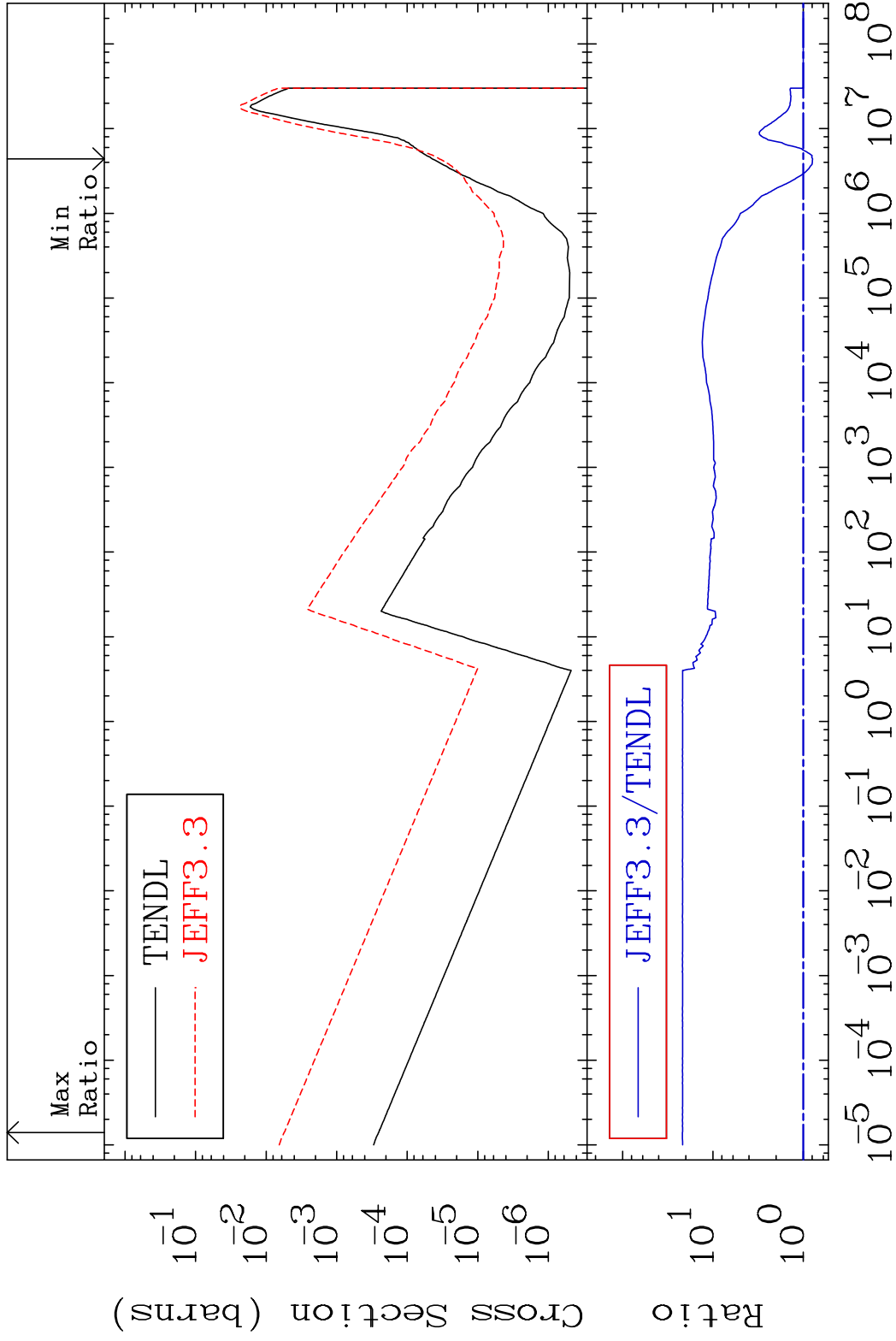
56-Ba-133

MAT 5634

(n,  $\alpha$ )

56-Ba-133

Cross Section -20.92 To 2085. %



54

Incident Energy (eV)

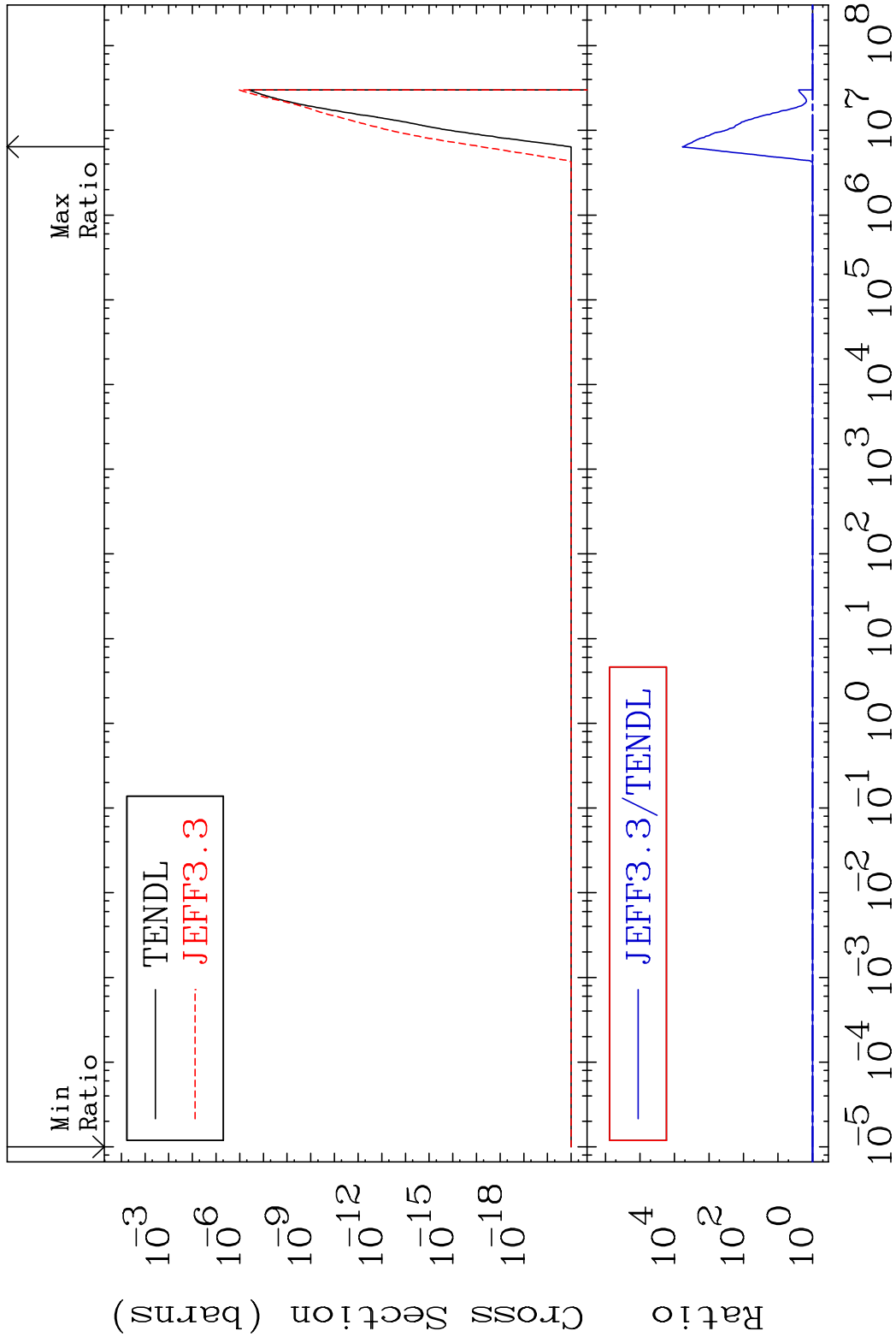
56-Ba-133

MAT 5634

(n, 2α)

56-Ba-133

Cross Section 0.000 To 9999. %



55

Incident Energy (eV)

56-Ba-133

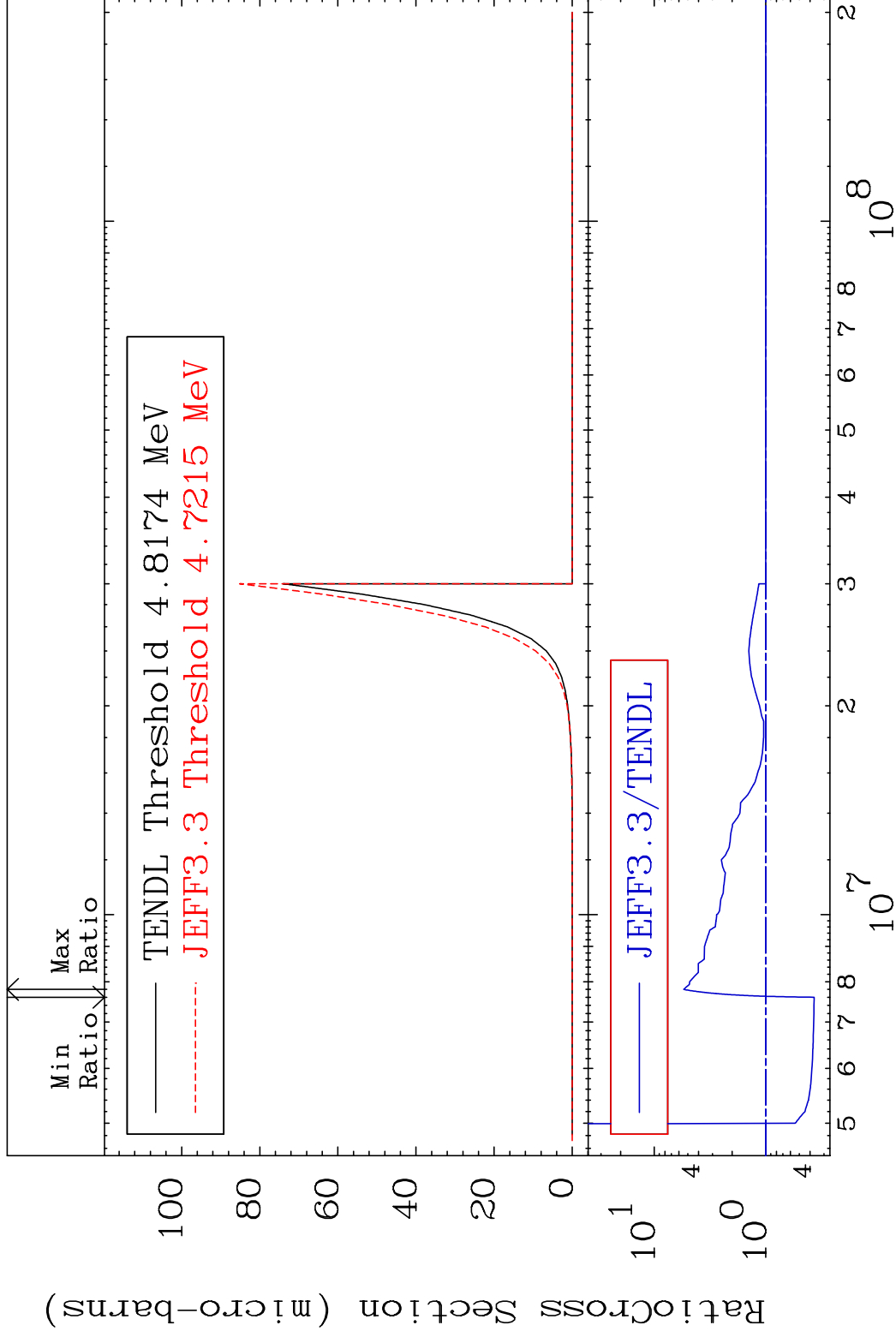


MAT 5634

(n,2p)

56-Ba-133

Cross Section -63.25 To 443.8 %



56

Incident Energy (eV)

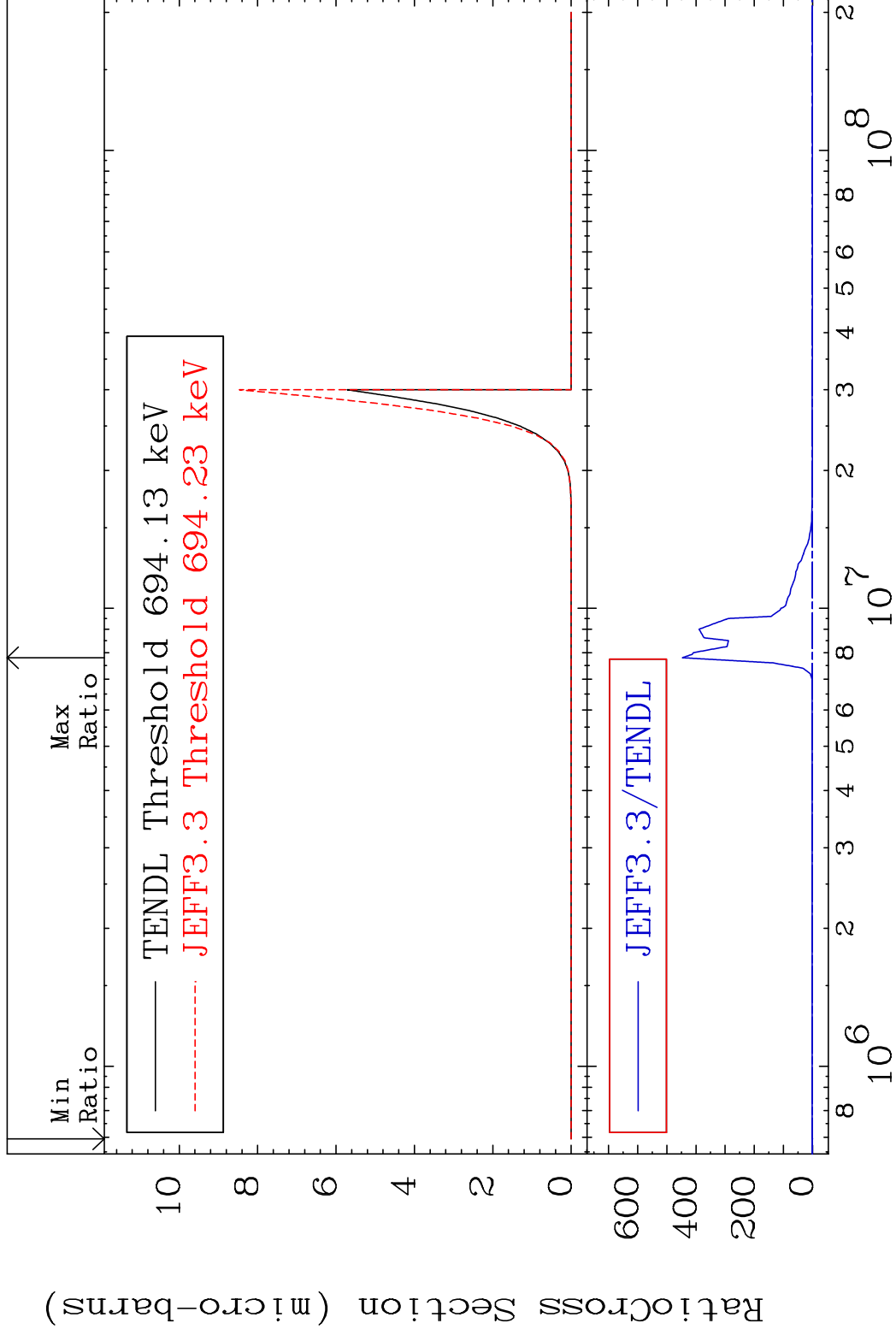
56-Ba-133

MAT 5634

(n,p)  $\alpha$

56-Ba-133

Cross Section -100.0 To 9999. %



57

Incident Energy (eV)

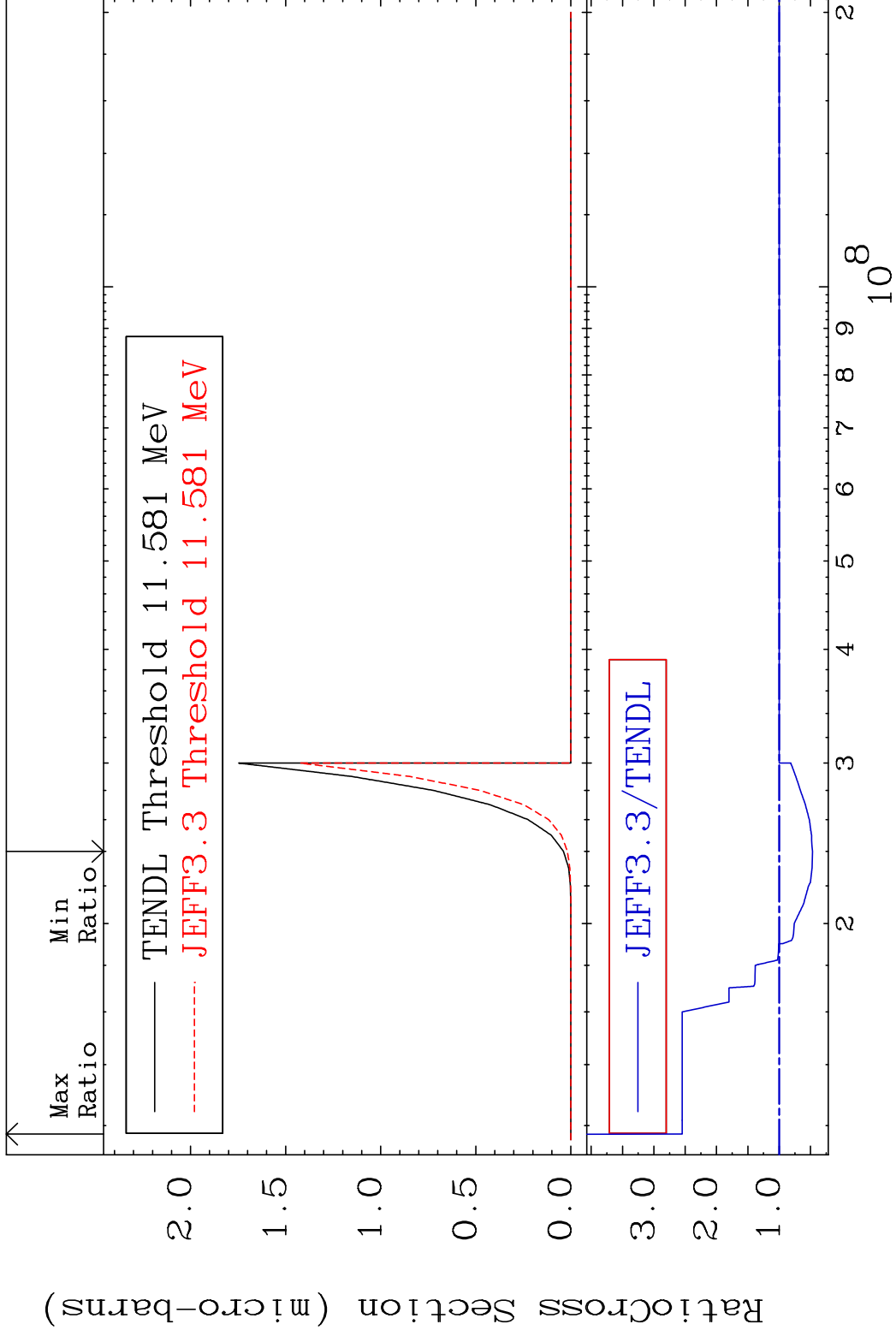
56-Ba-133

MAT 5634

(n,p) d

56-Ba-133

Cross Section -53.13 To 154.8 %

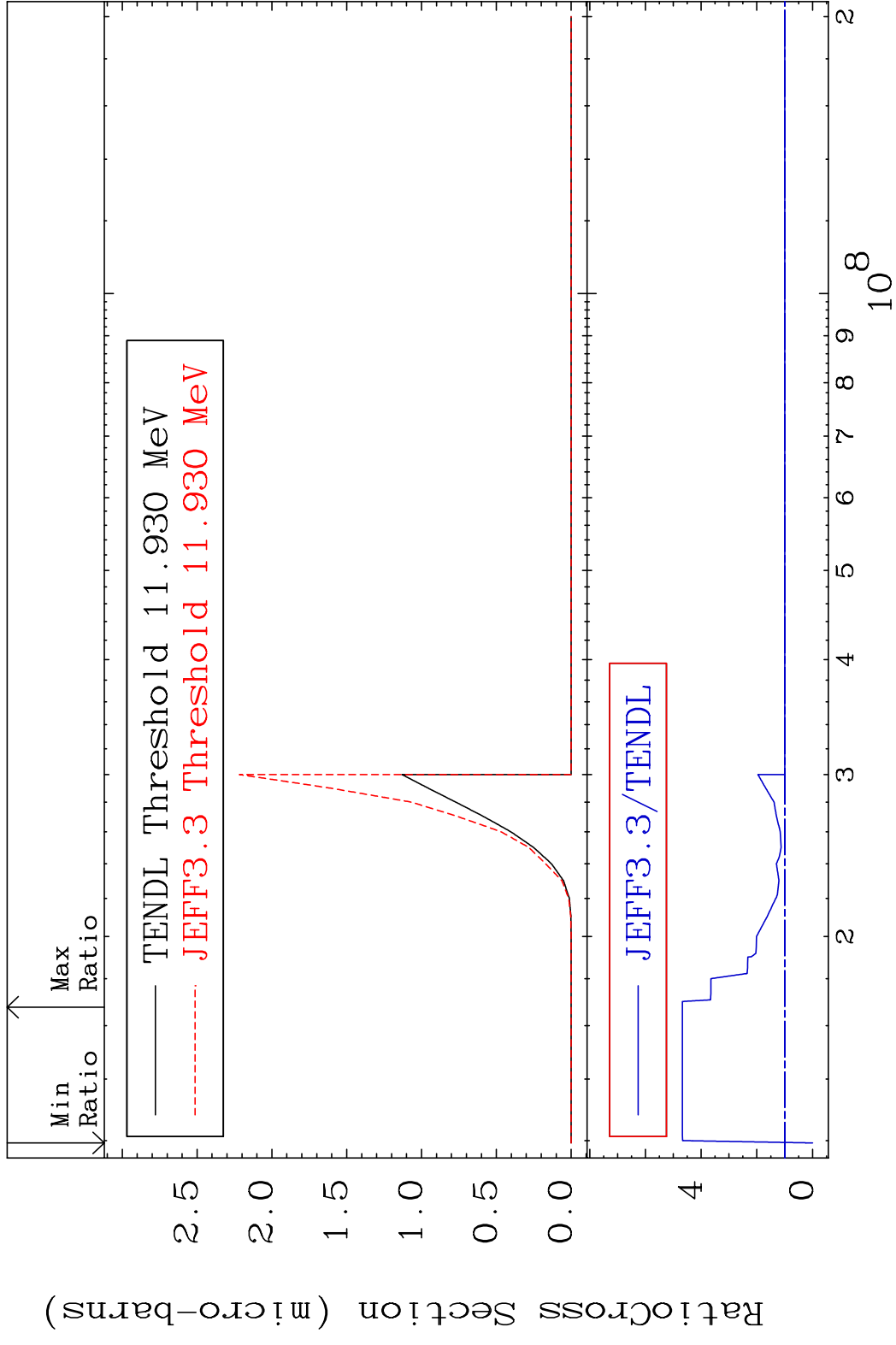


58

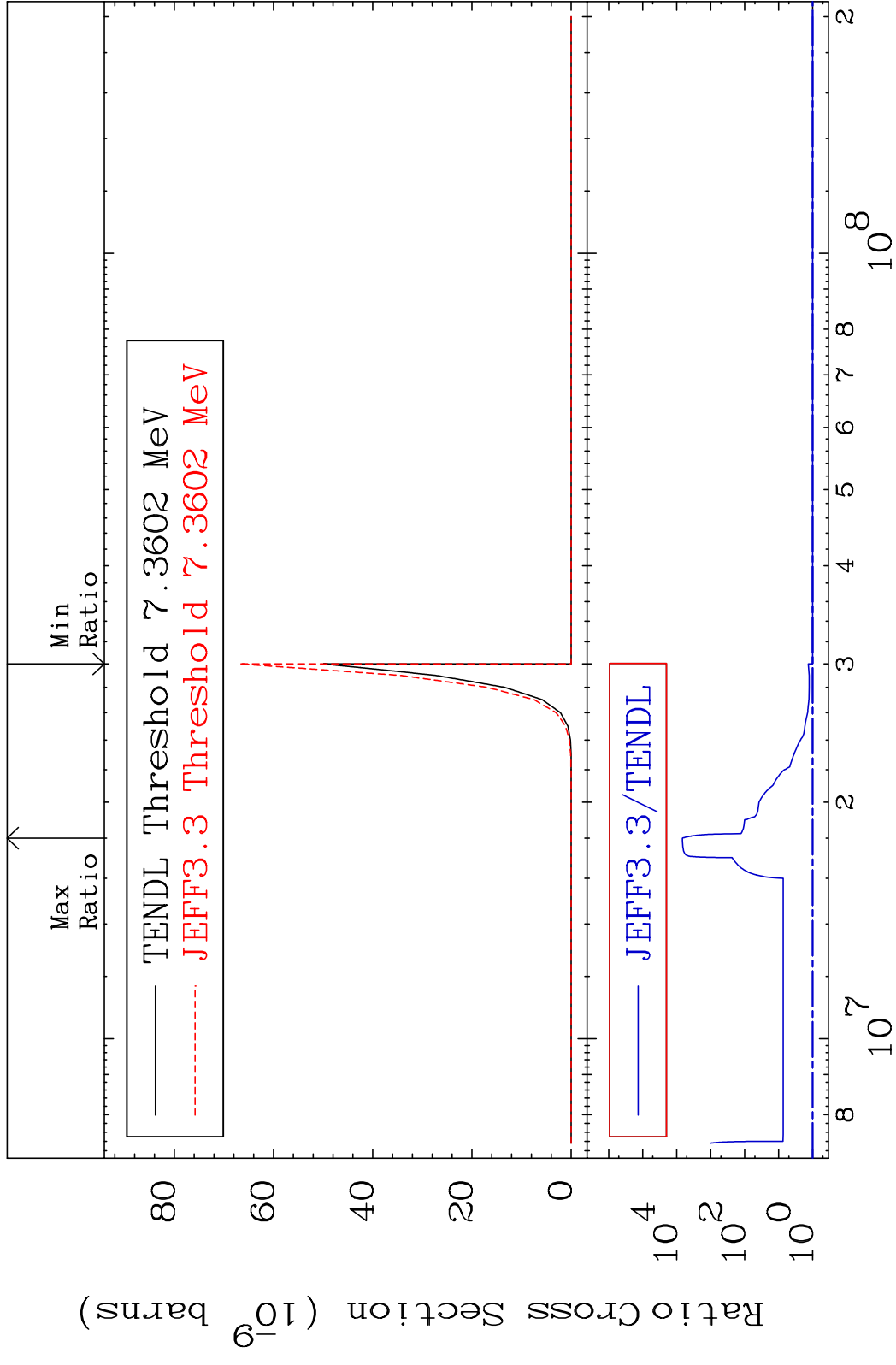
Incident Energy (eV)

56-Ba-133

MAT 5634 (n,p) t 56-Ba-133  
 Cross Section -100.0 To 367.4 %

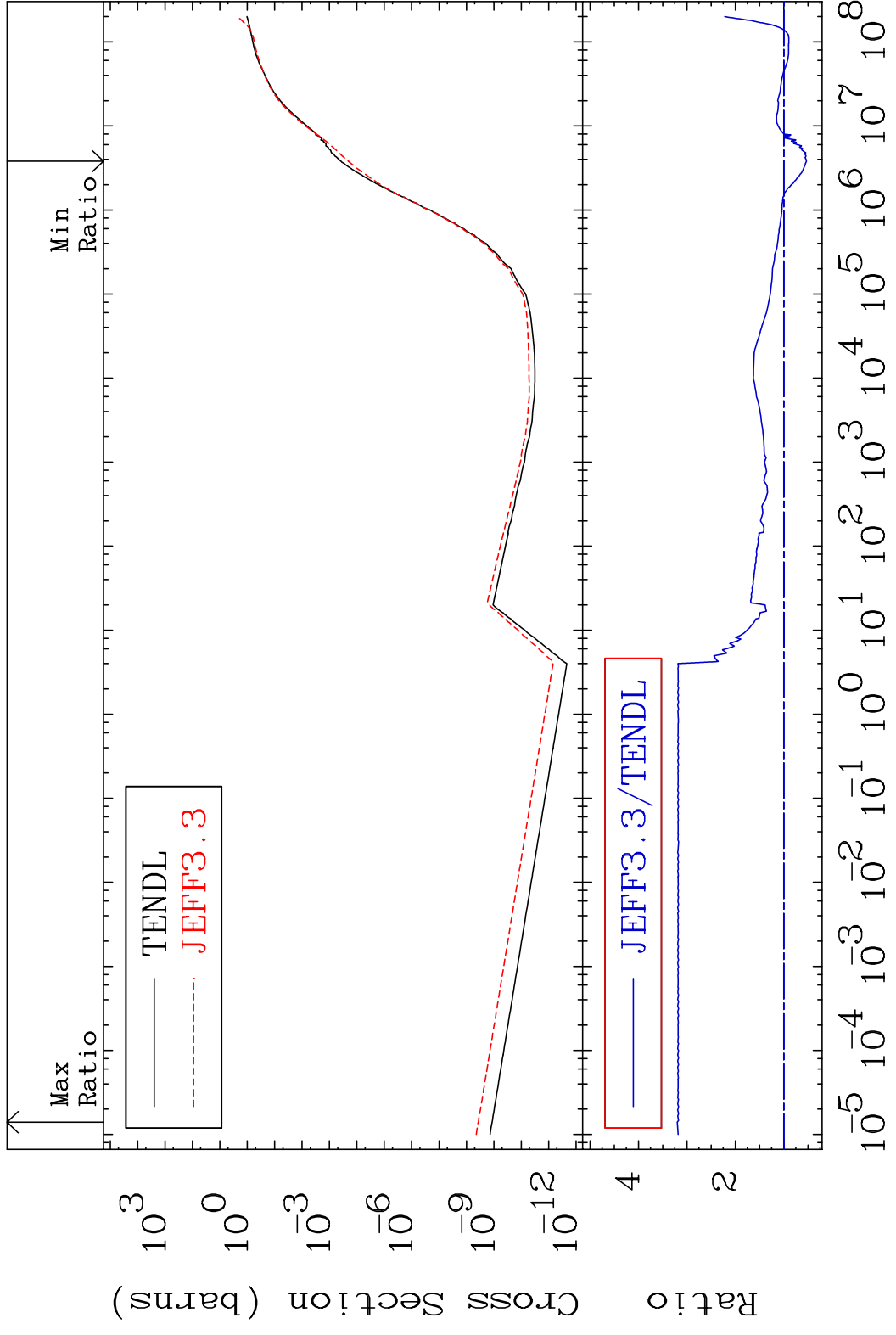


MAT 5634 (n,d)  $\alpha$  56-Ba-133  
 Cross Section 0.000 To 9999. %



60 Incident Energy (eV) 56-Ba-133

MAT 5634 Hydrogen Production 56-Ba-133  
 Cross Section -46.84 To 220.0 %

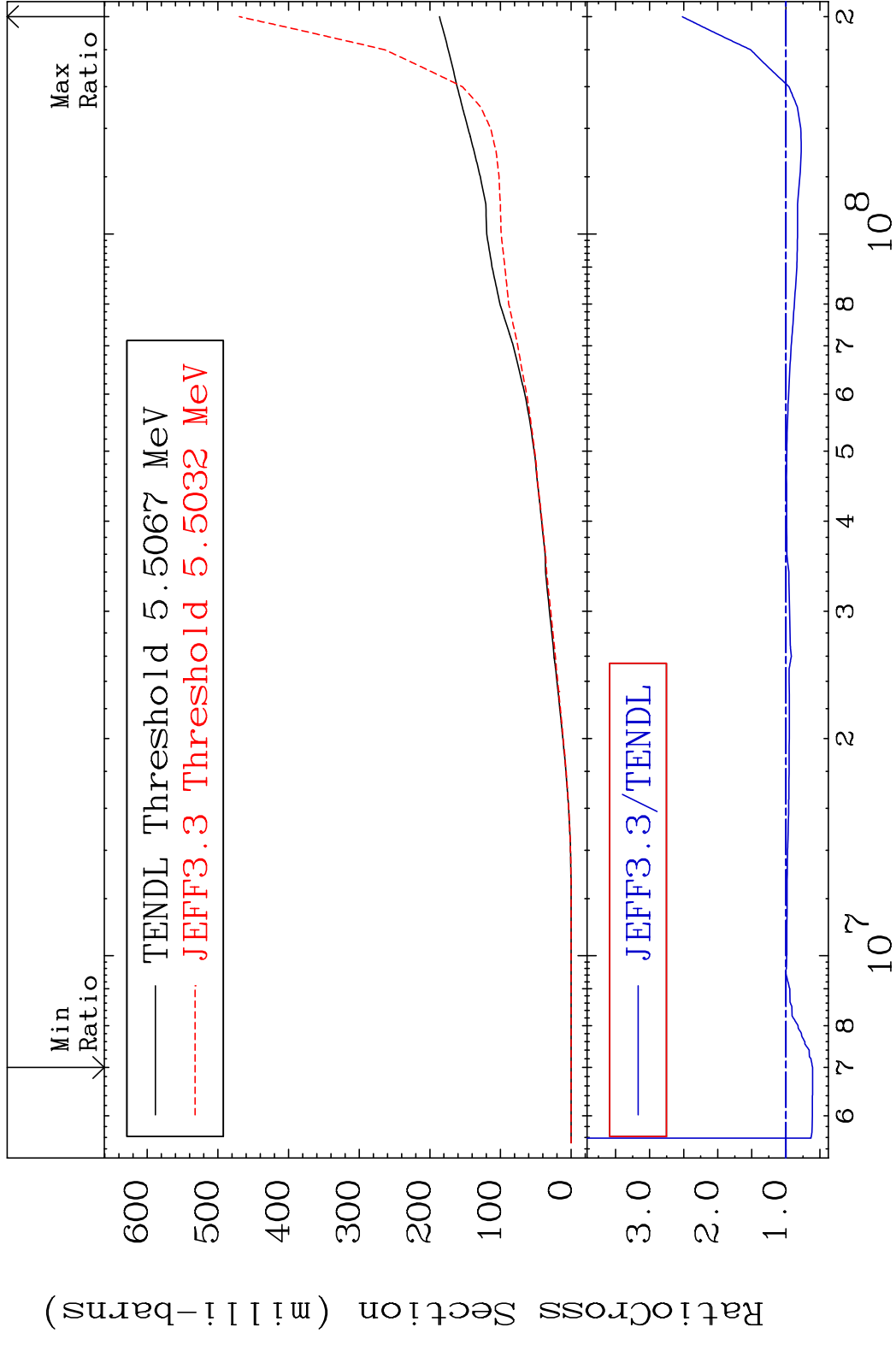


MAT 5634

Deuterium Production

56-Ba-133

Cross Section -39.15 To 152.0 %

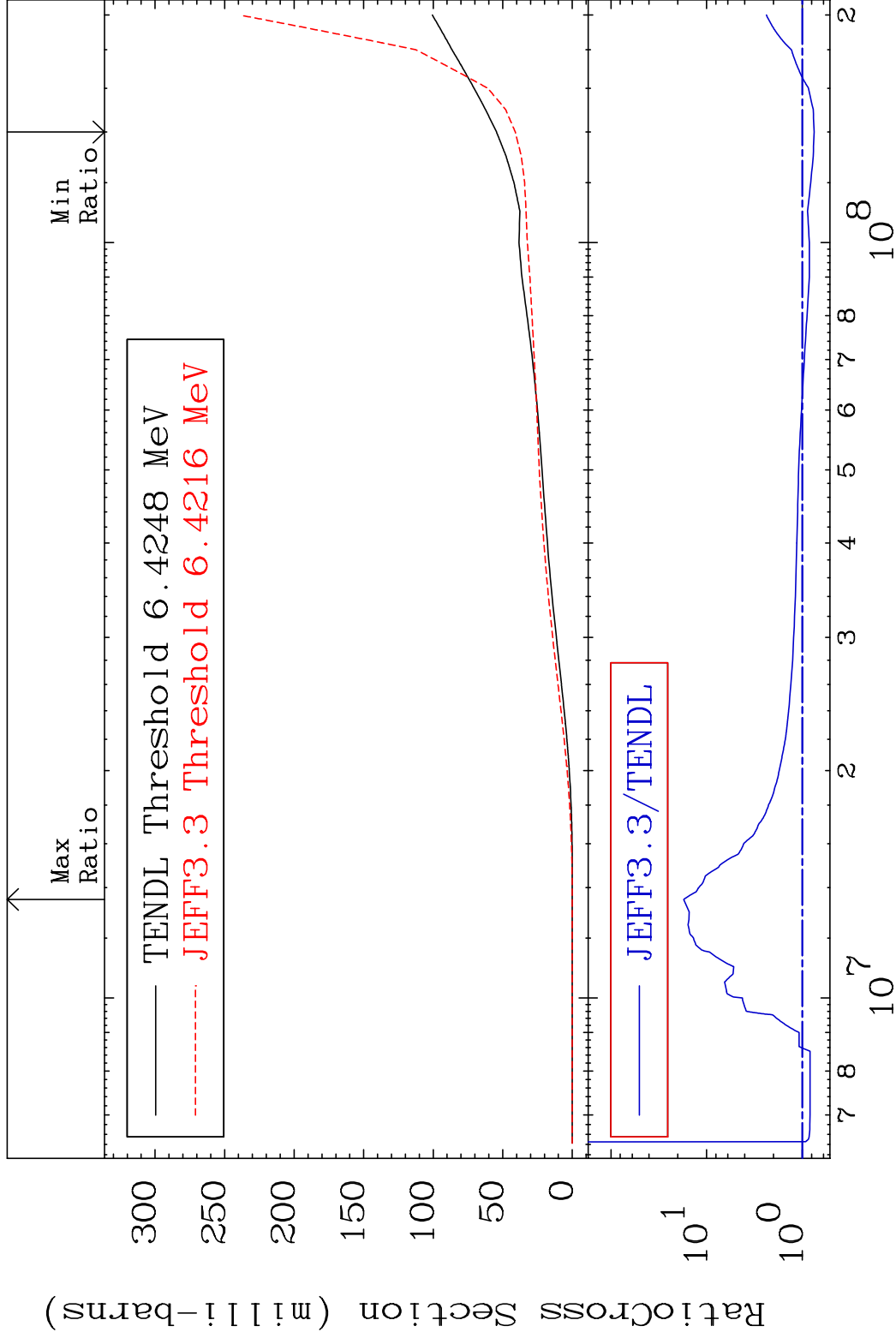


MAT 5634

Tritium Production

56-Ba-133

Cross Section -24.72 To 1639. %



63

Incident Energy (eV)

56-Ba-133

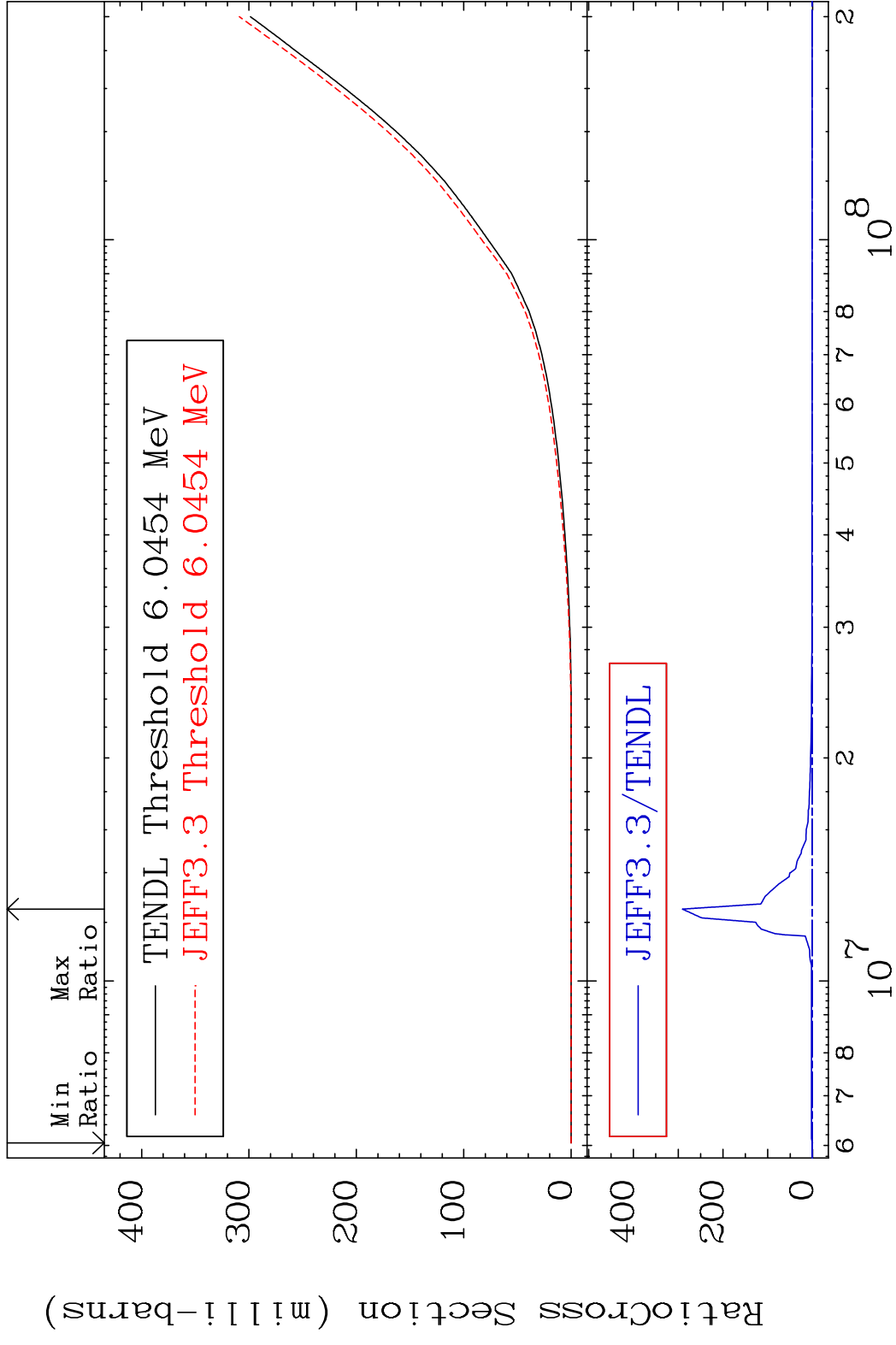


MAT 5634

He-3 Production

56-Ba-133

Cross Section -100.0 To 9999. %



64

Incident Energy (eV)

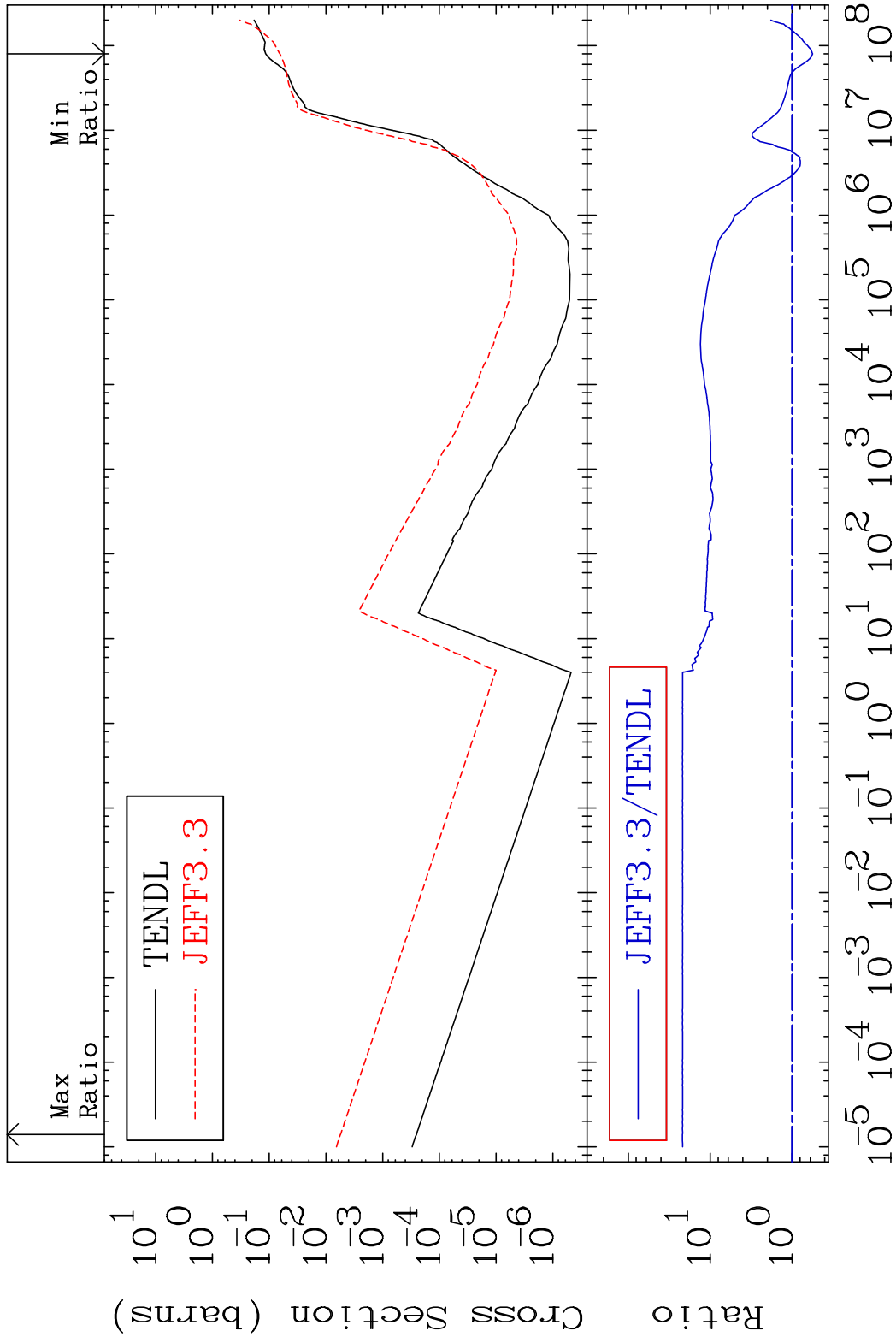
56-Ba-133

MAT 5634

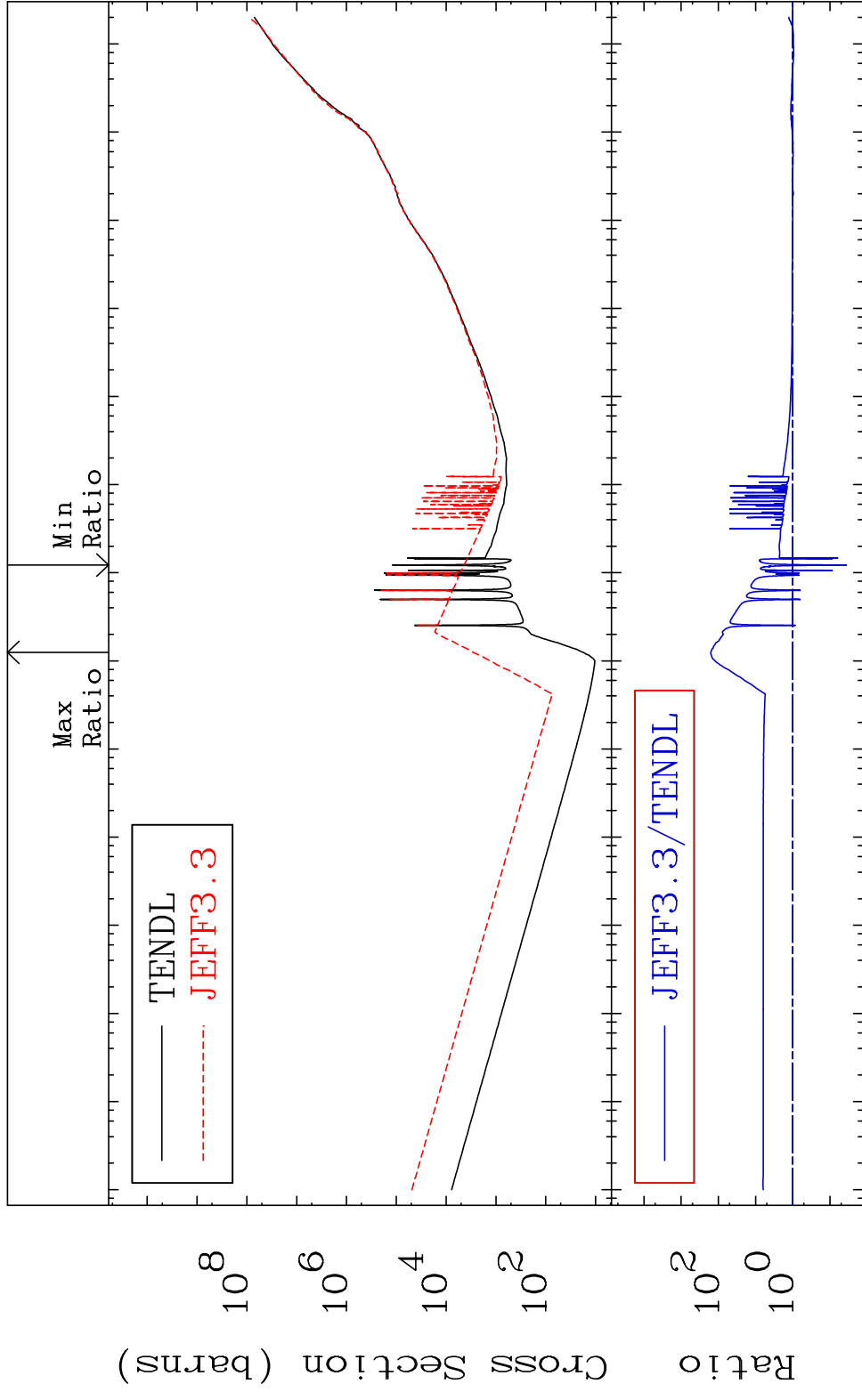
He-4 Production

56-Ba-133

Cross Section -43.81 To 2085. %



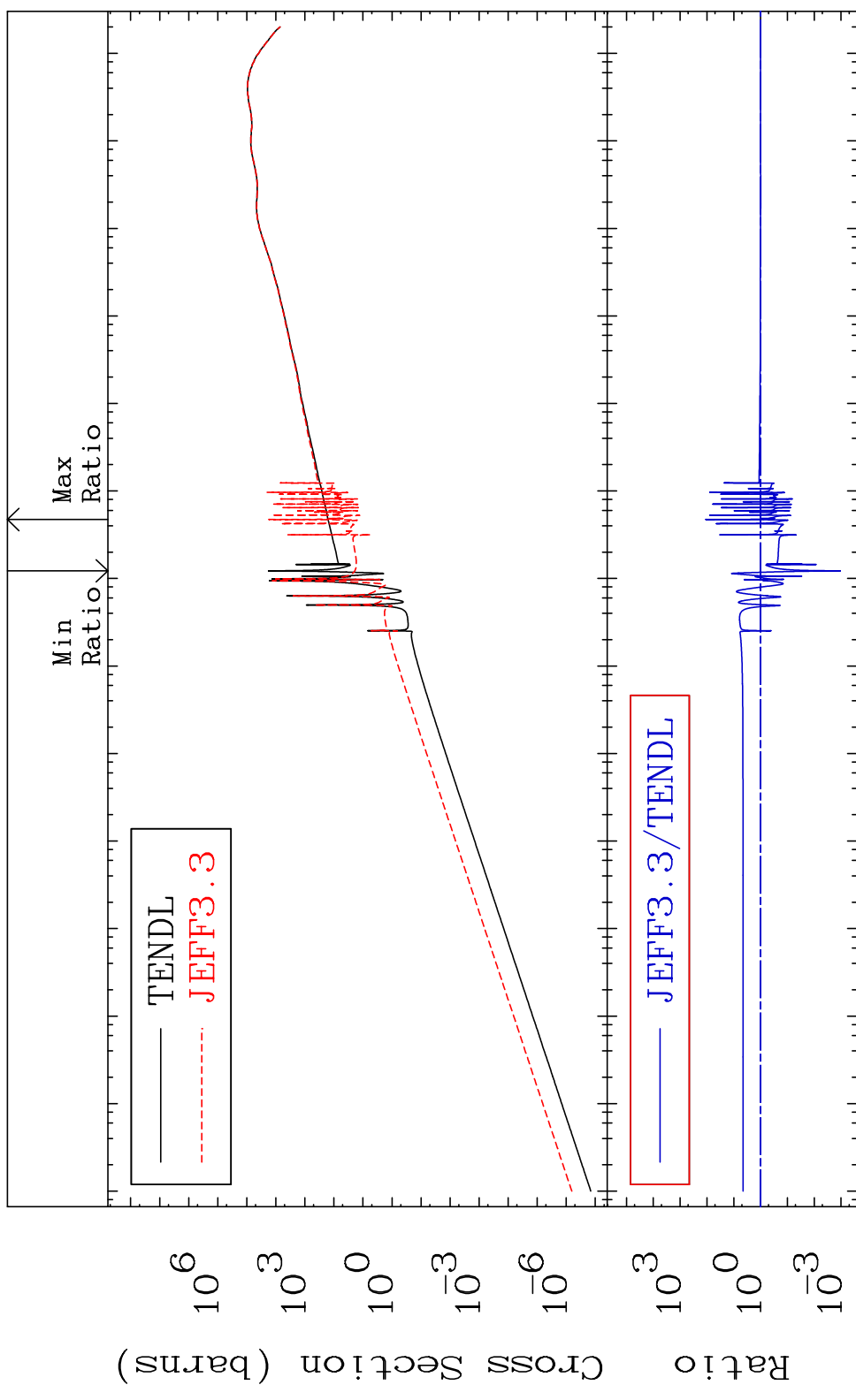
MAT 5634 Kerma total (eV-barns) 56-Ba-133  
 Cross Section -96.36 To 9999. %



MAT 5634

Kerma elastic Cross Section -99.89 To 9999. %

56-Ba-133

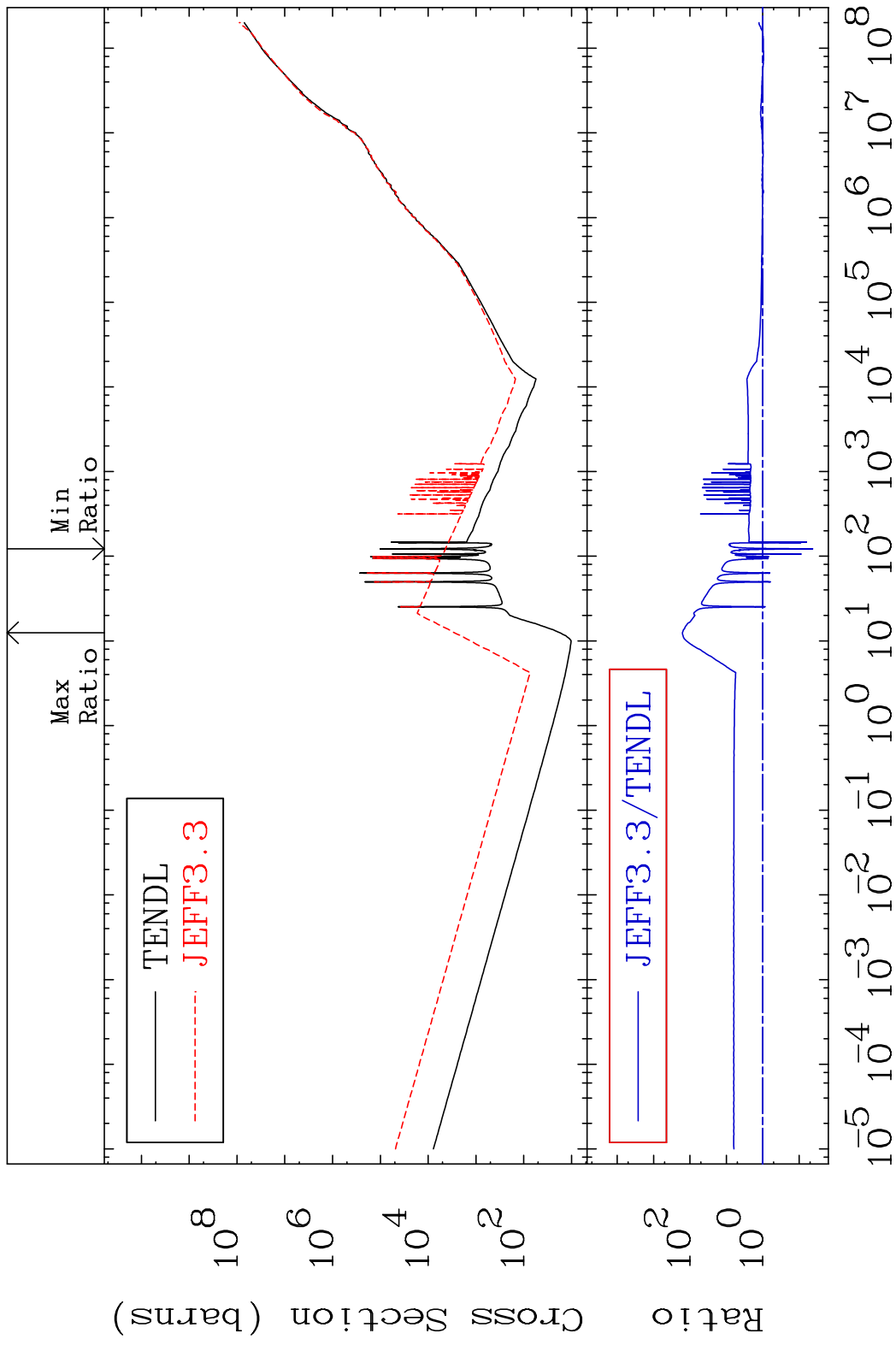


67

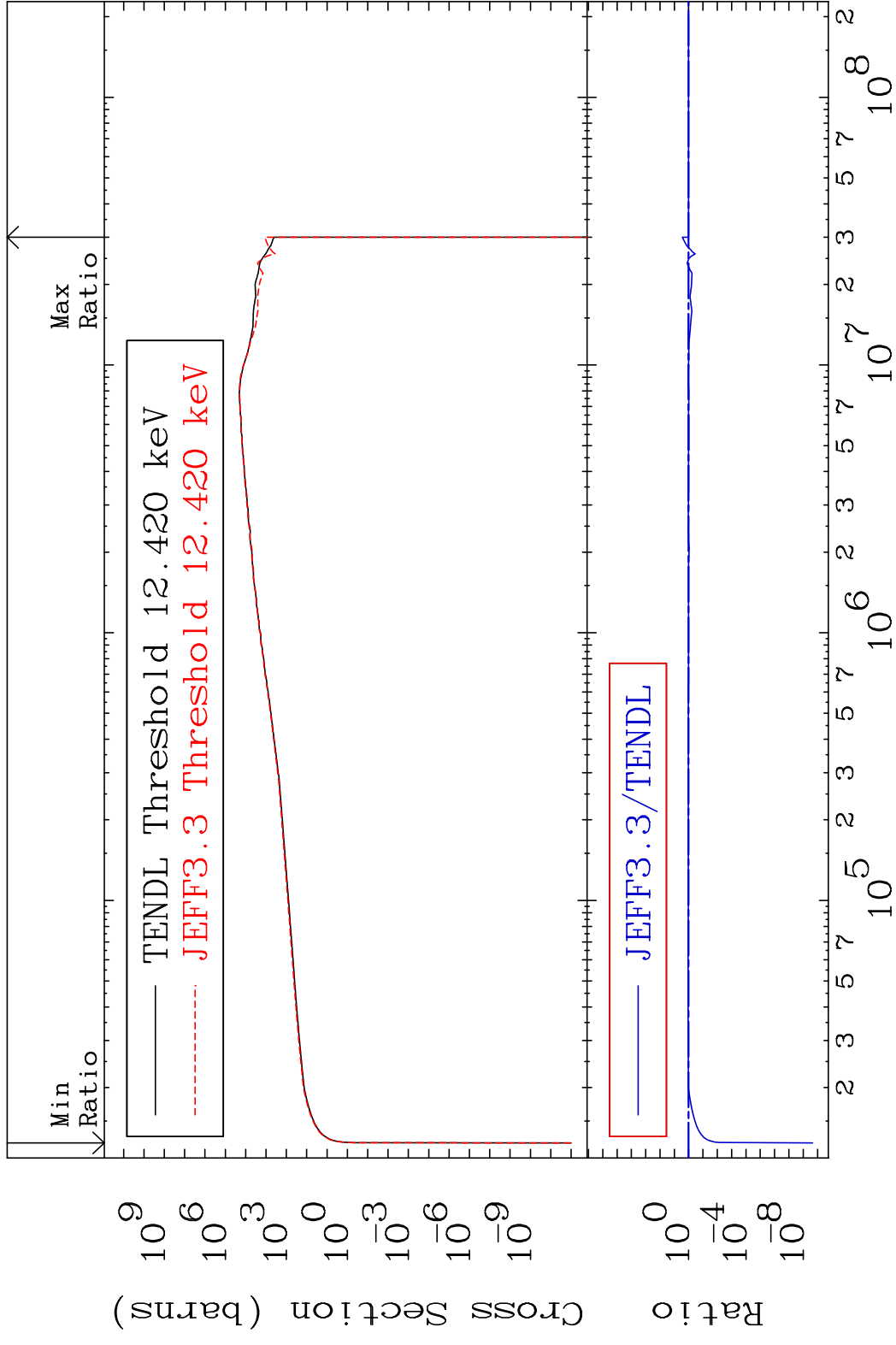
Incident Energy (eV)

56-Ba-133

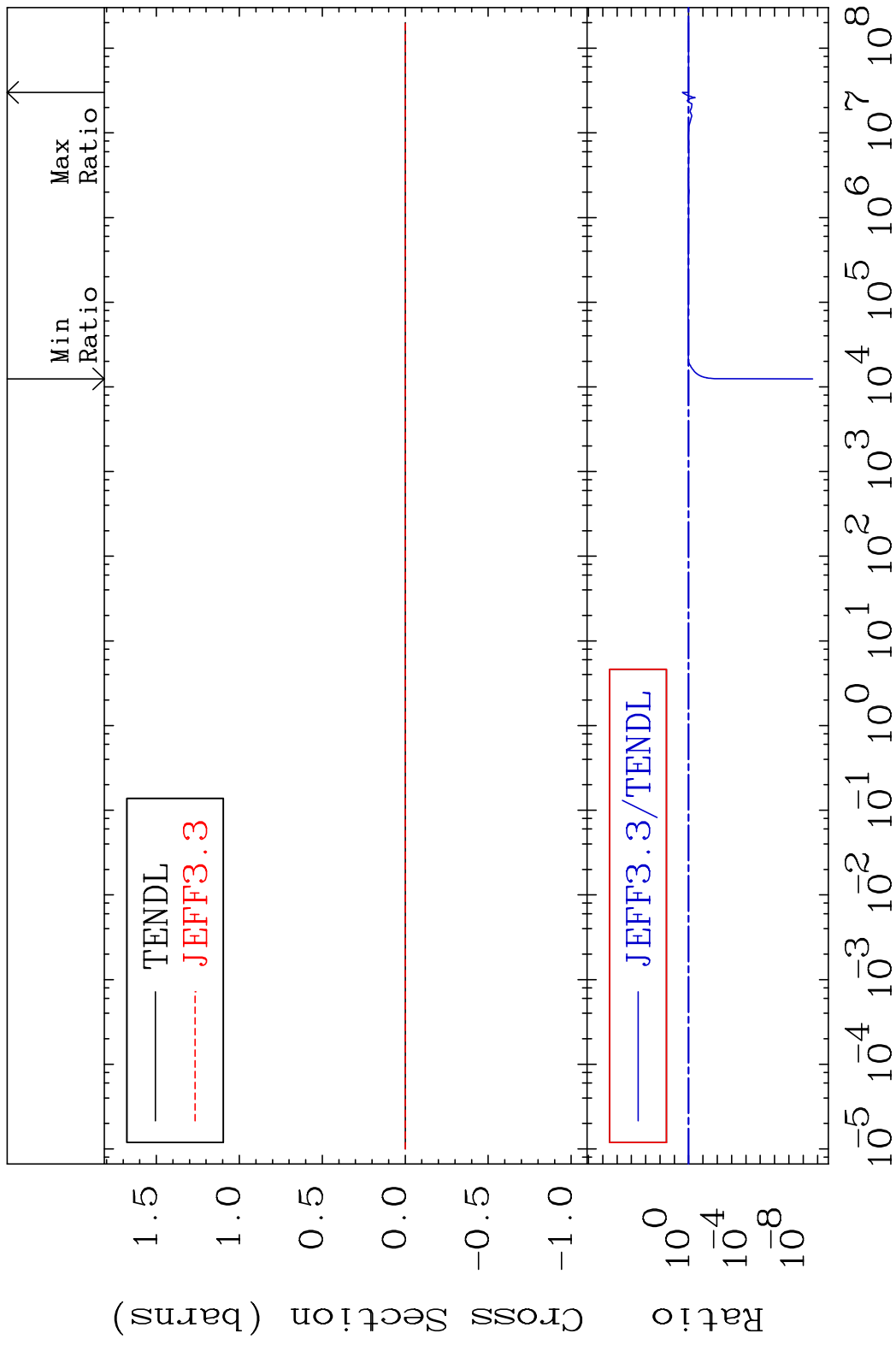
MAT 5634 Kerma non-elastic (all but mt2) 56-Ba-133  
 Cross Section -95.73 To 9999. %



MAT 5634 Kerma inelastic (mt51-91) 56-Ba-133  
 Cross Section -100.0 To 175.7 %

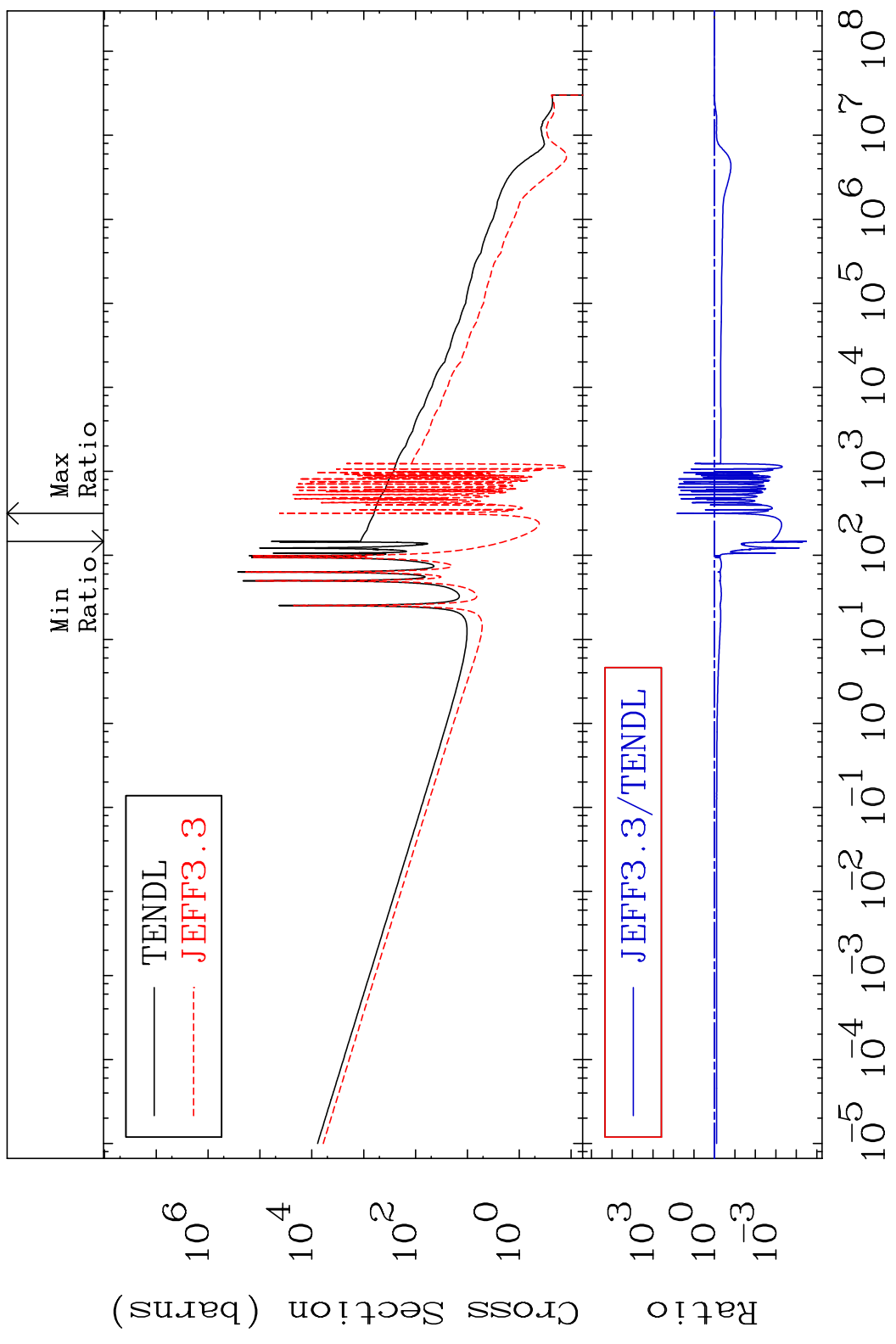


MAT 5634 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-133  
 Cross Section -100.0 To 175.7 %



MAT 5634

Kerma capture (mt102) 56-Ba-133  
Cross Section -100.0 To 6458. %

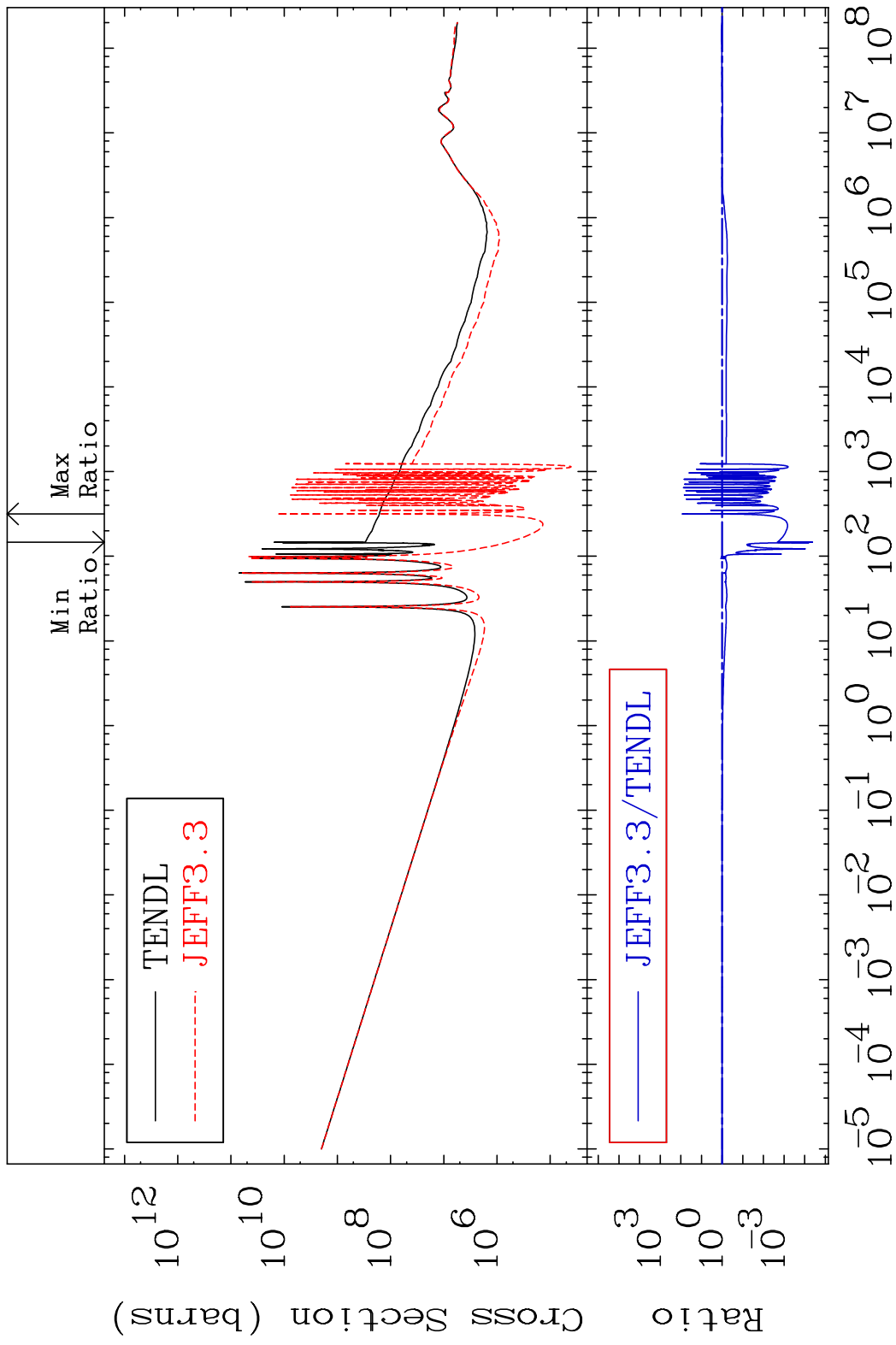


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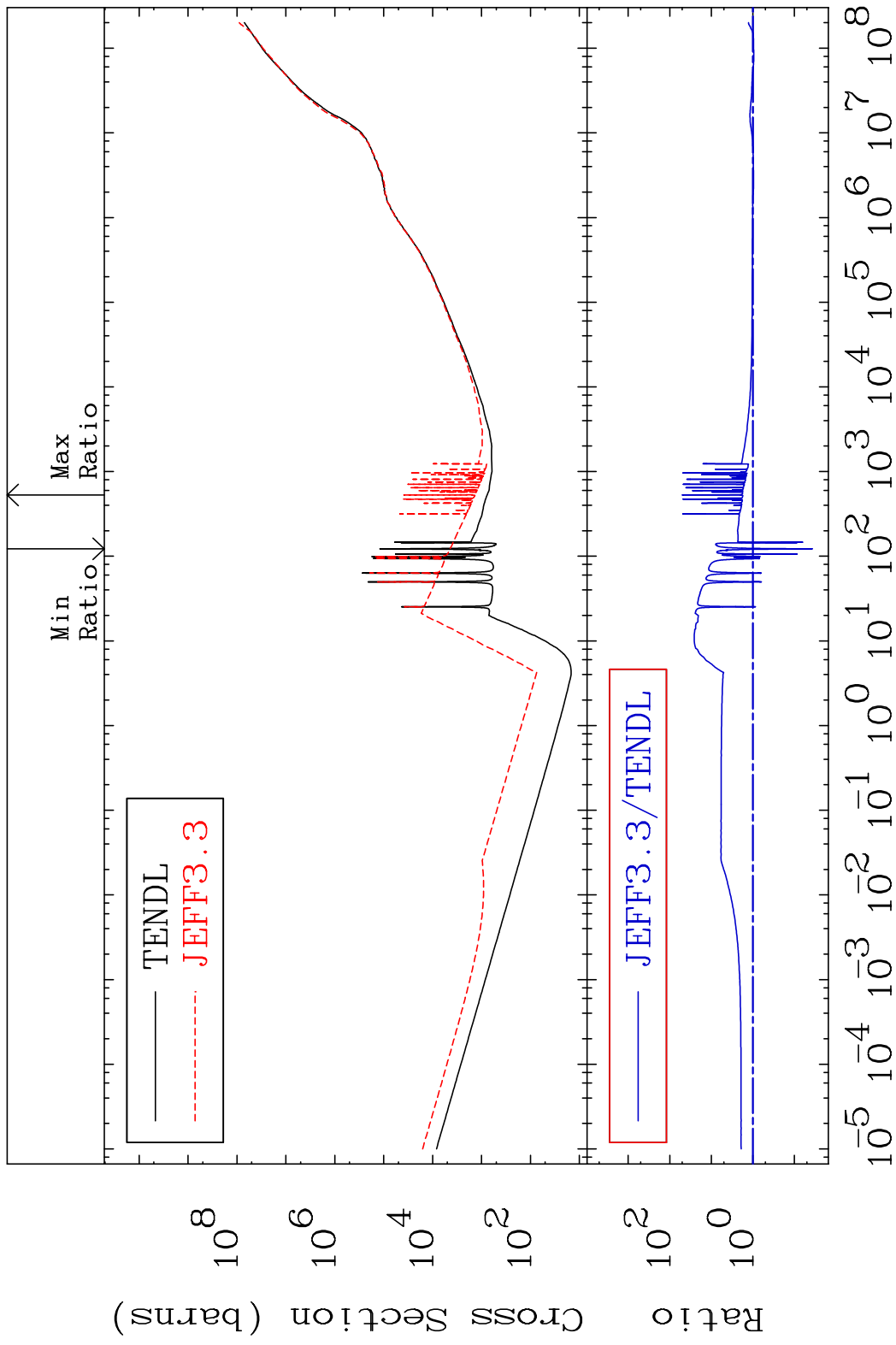
Incident Energy (eV) 56-Ba-133



MAT 5634 Total photon (eV-barns) 56-Ba-133  
 Cross Section -100.0 To 8339. %



MAT 5634 Total kinematic kerma (high limit) 56-Ba-133  
 Cross Section -96.34 To 4870. %

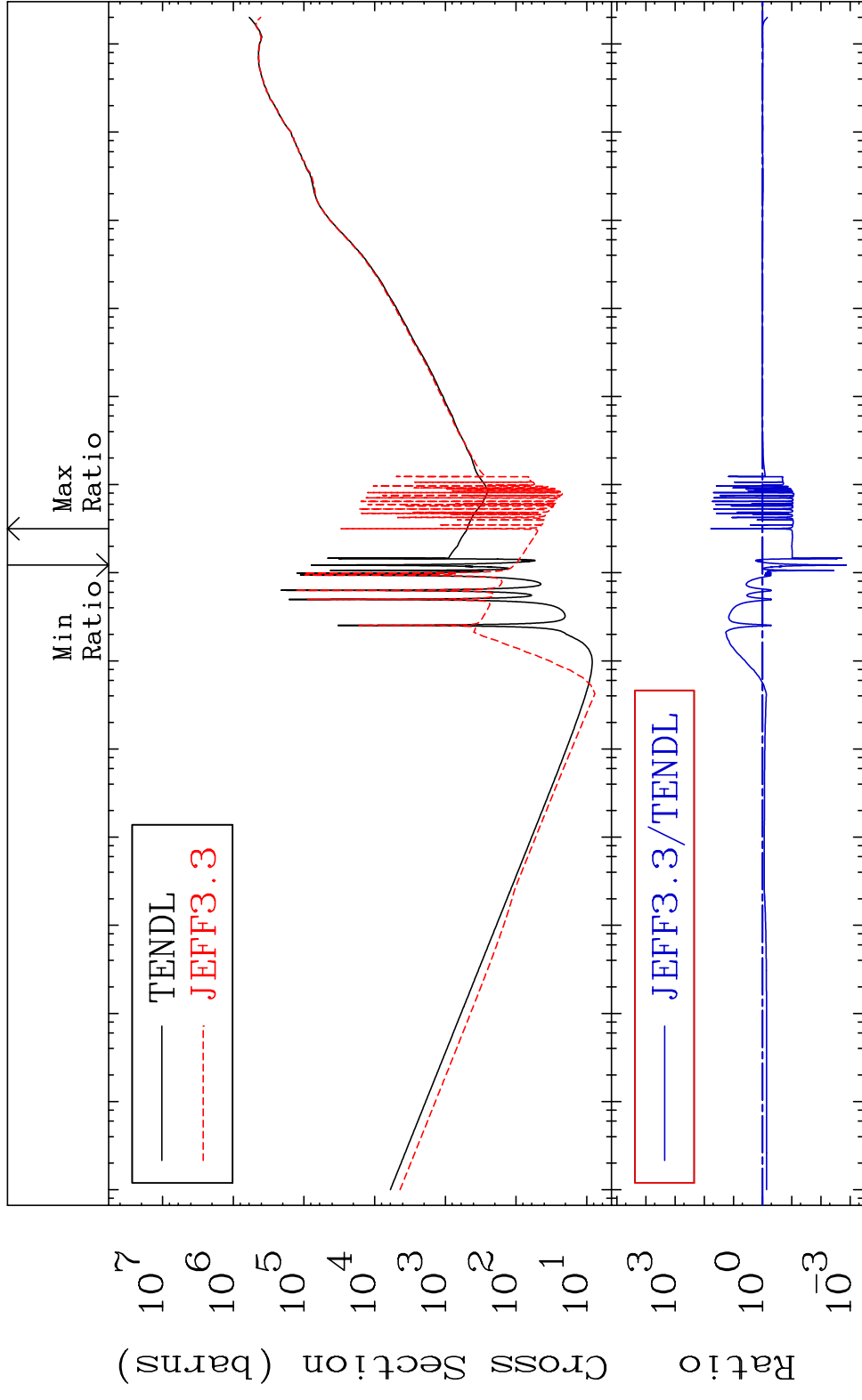


MAT 5634

Dpa total (eV-barns)

56-Ba-133

Cross Section -99.87 To 5935. %



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Incident Energy (eV)

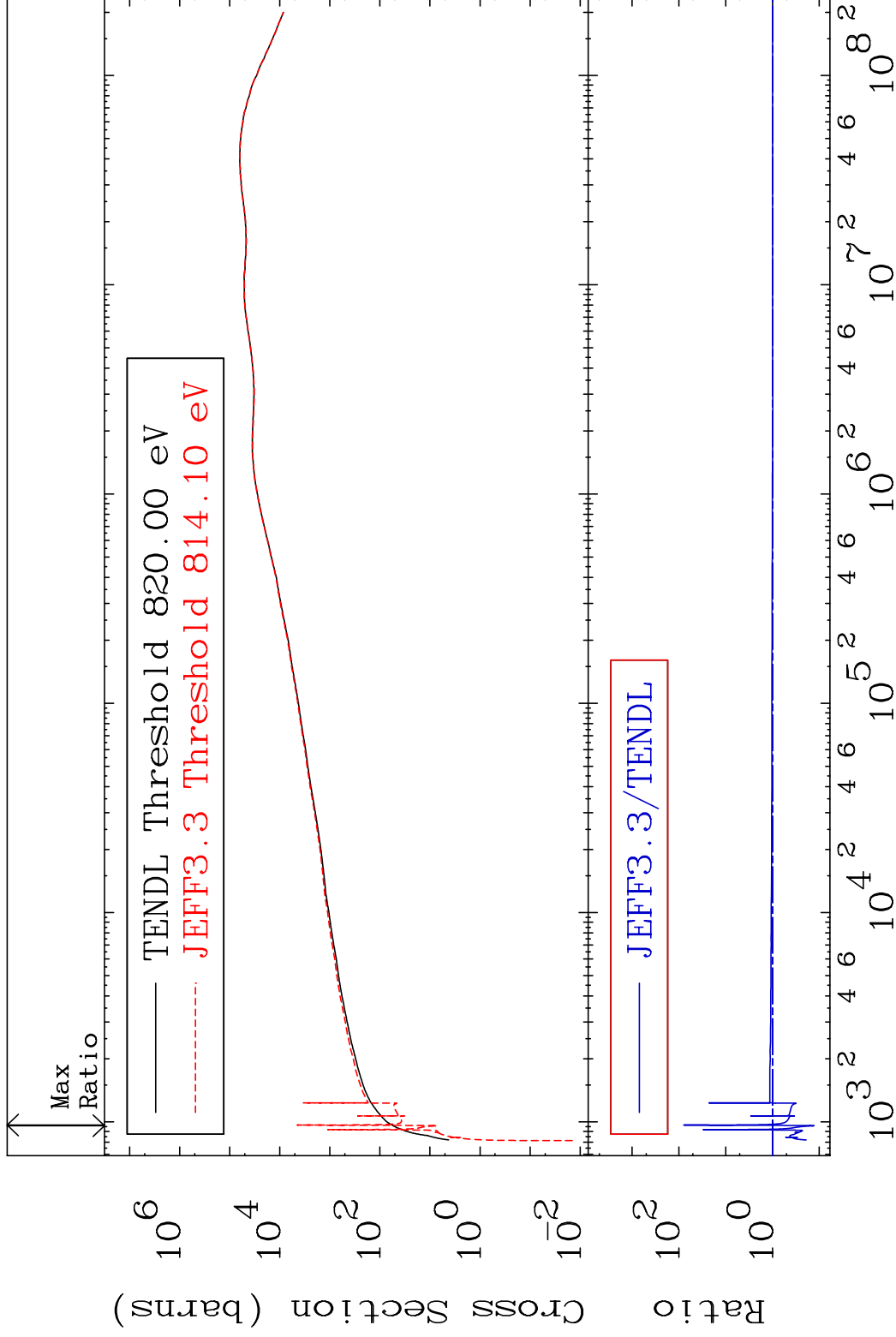
56-Ba-133

MAT 5634

Dpa elastic (mt2)

56-Ba-133

Cross Section -87.10 To 7792. %

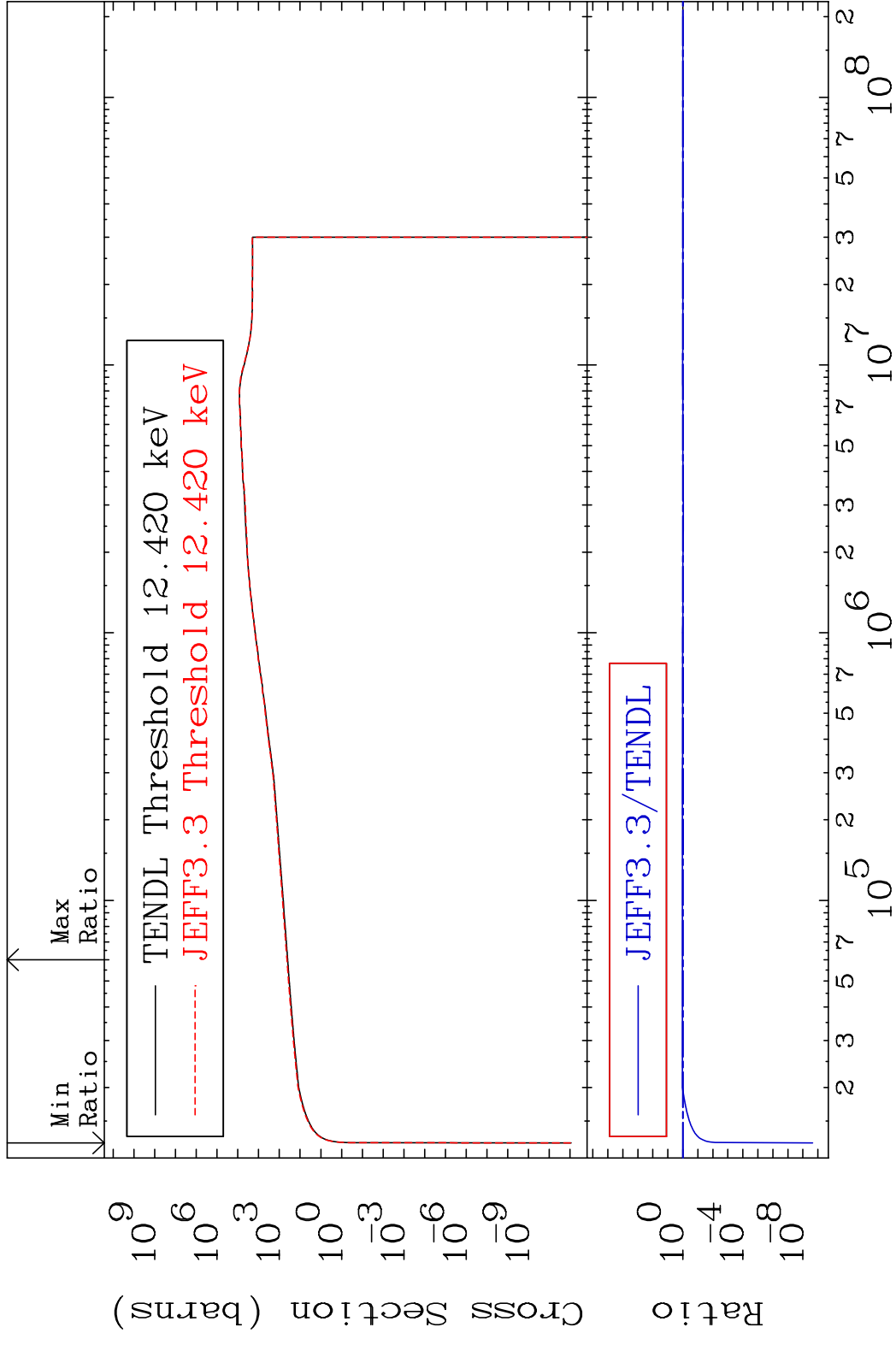


75

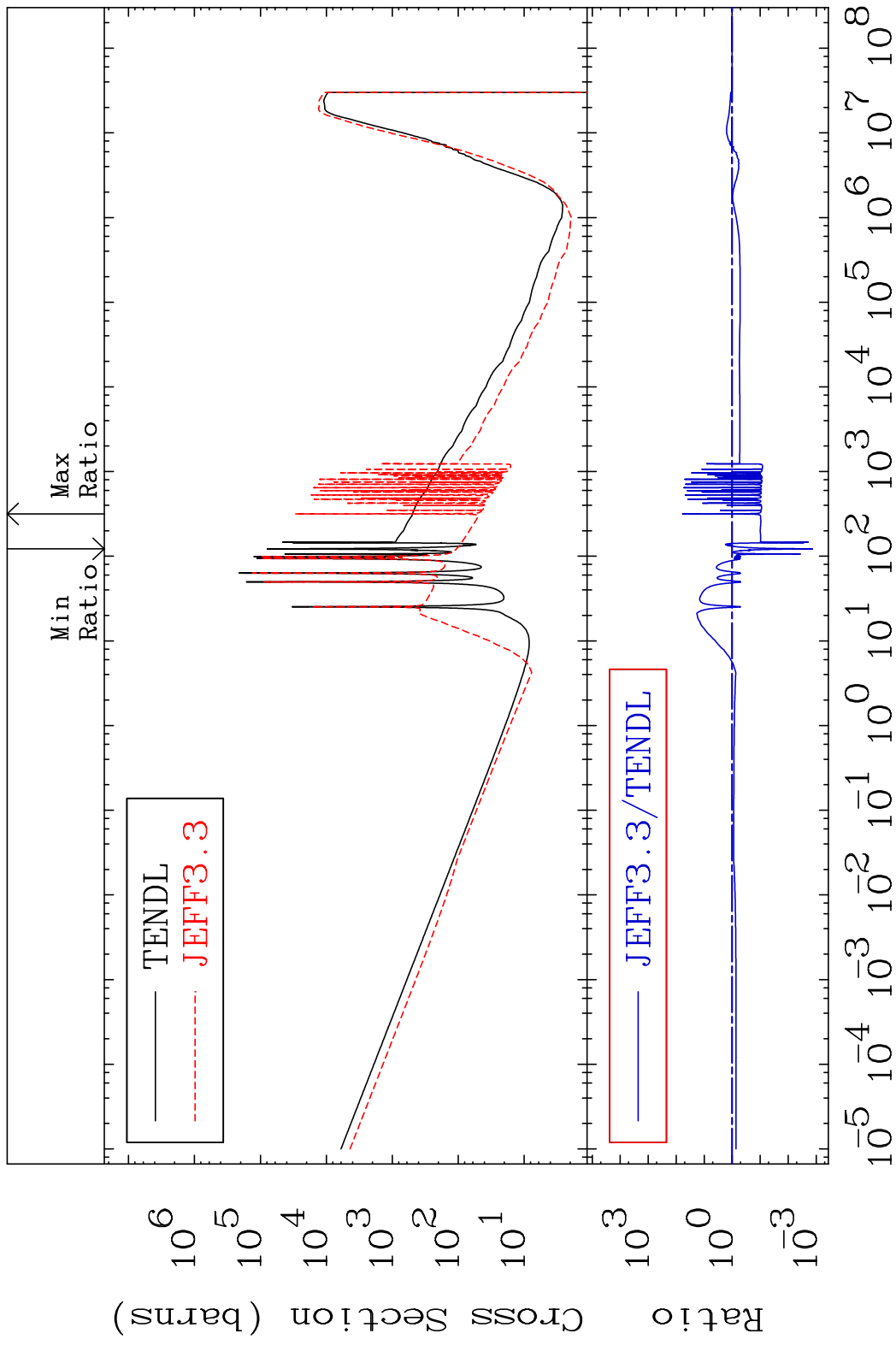
Incident Energy (eV)

56-Ba-133

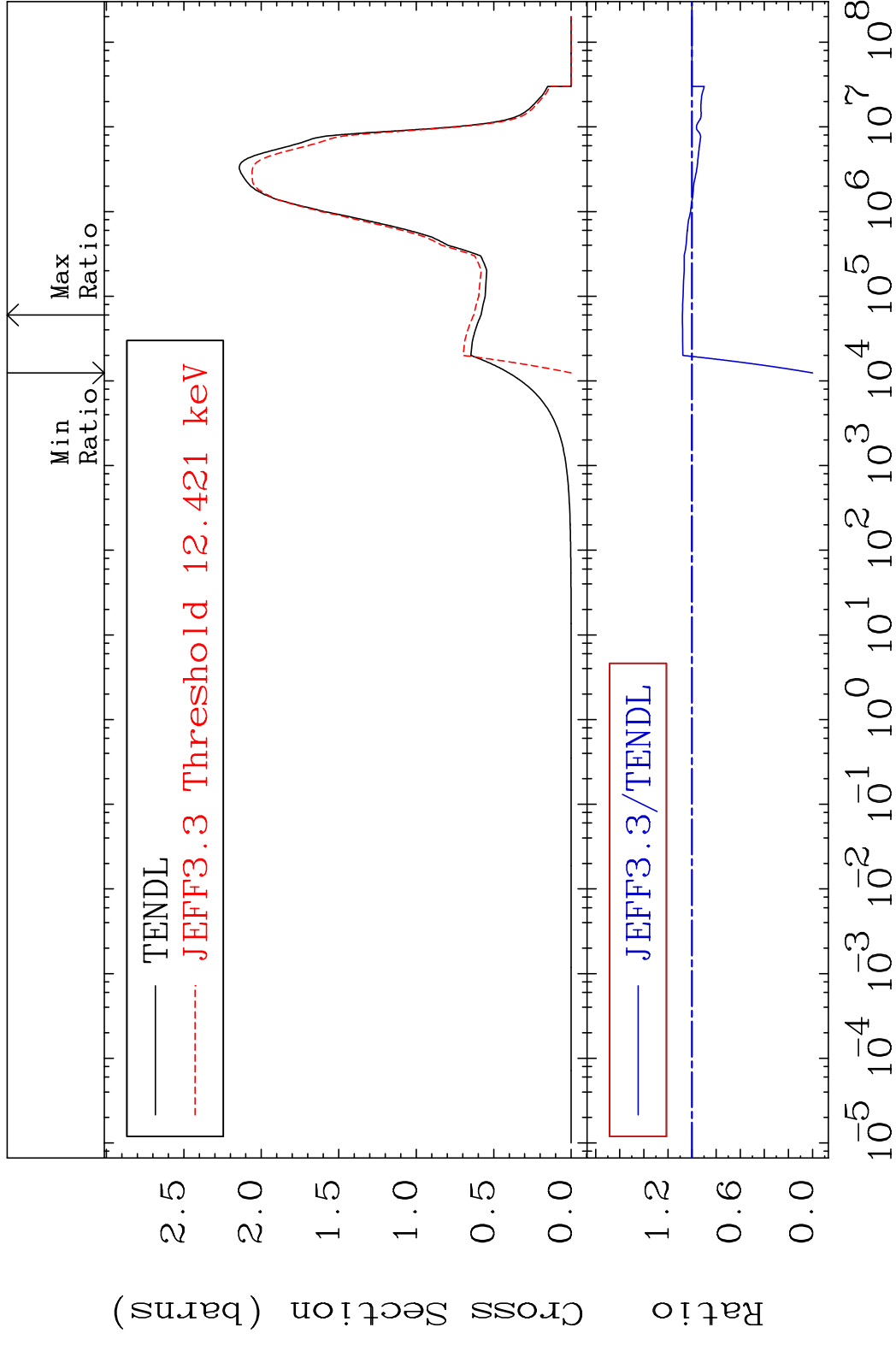
MAT 5634 Dpa inelastic (mt51-91) 56-Ba-133  
 Cross Section -100.0 To 8.061 %

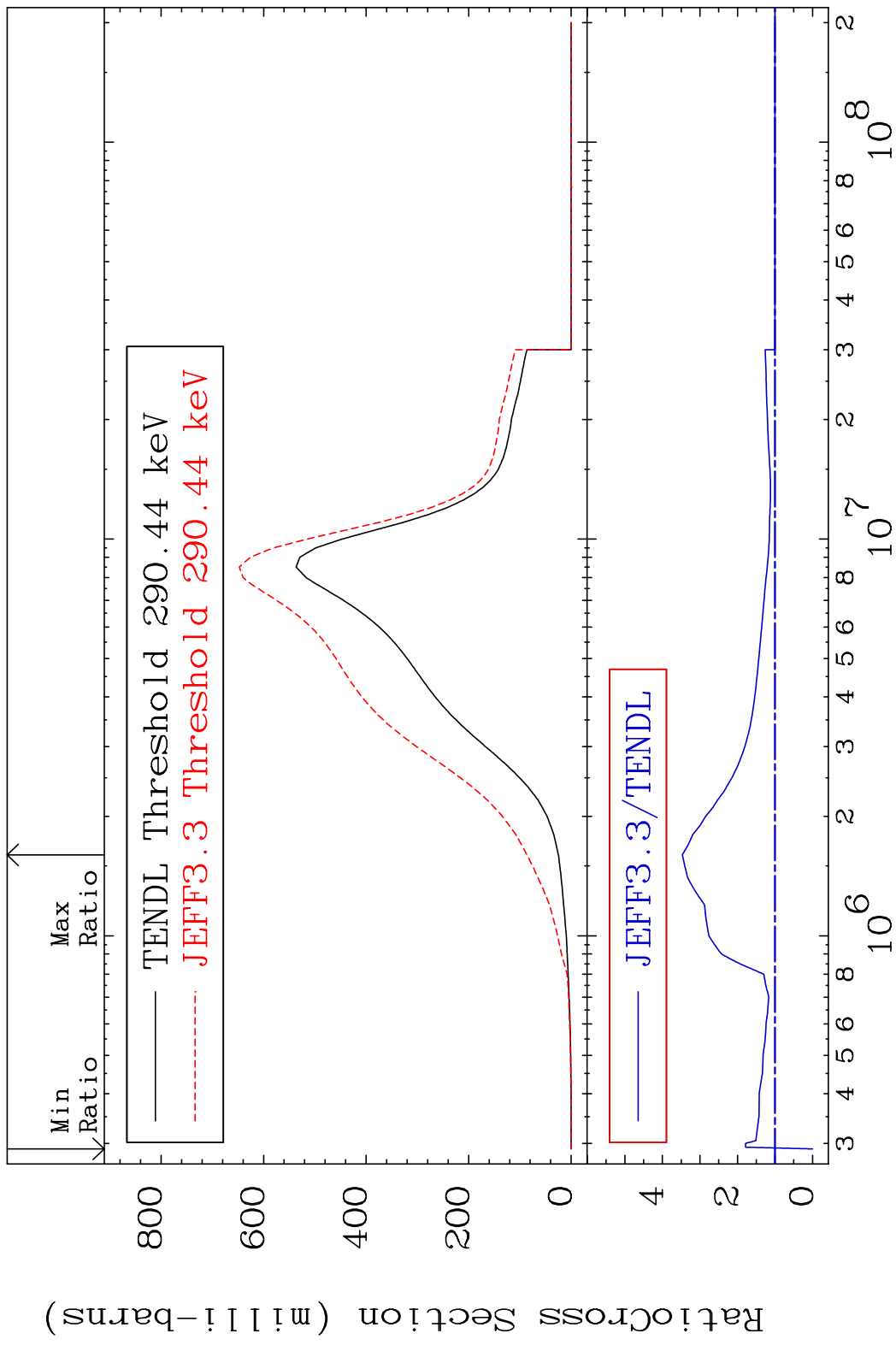


MAT 5634 Dpa disappearance (mt102 -120) 56-Ba-133  
 Cross Section -99.87 To 5935. %



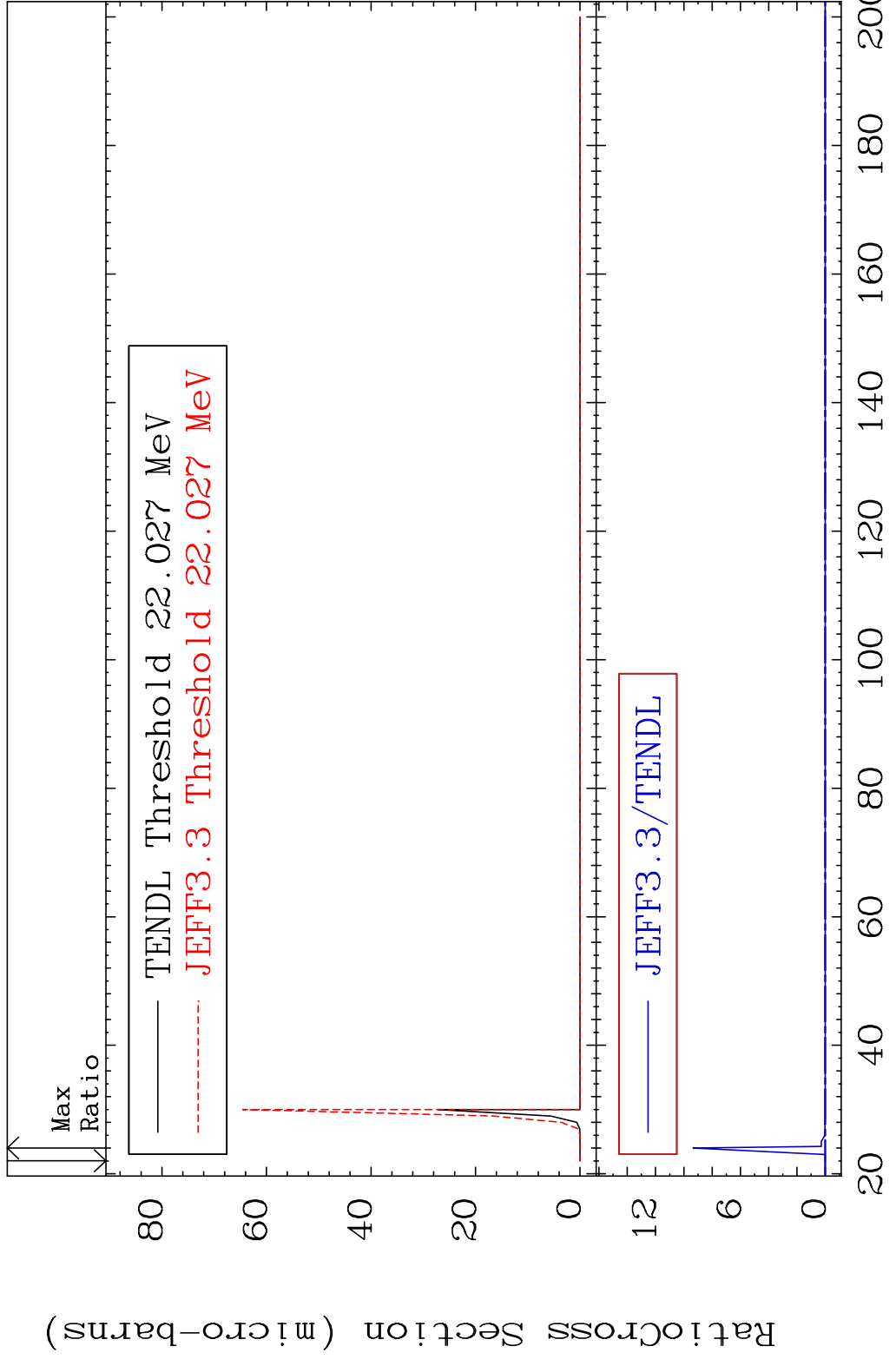
77 Incident Energy (eV) 56-Ba-133



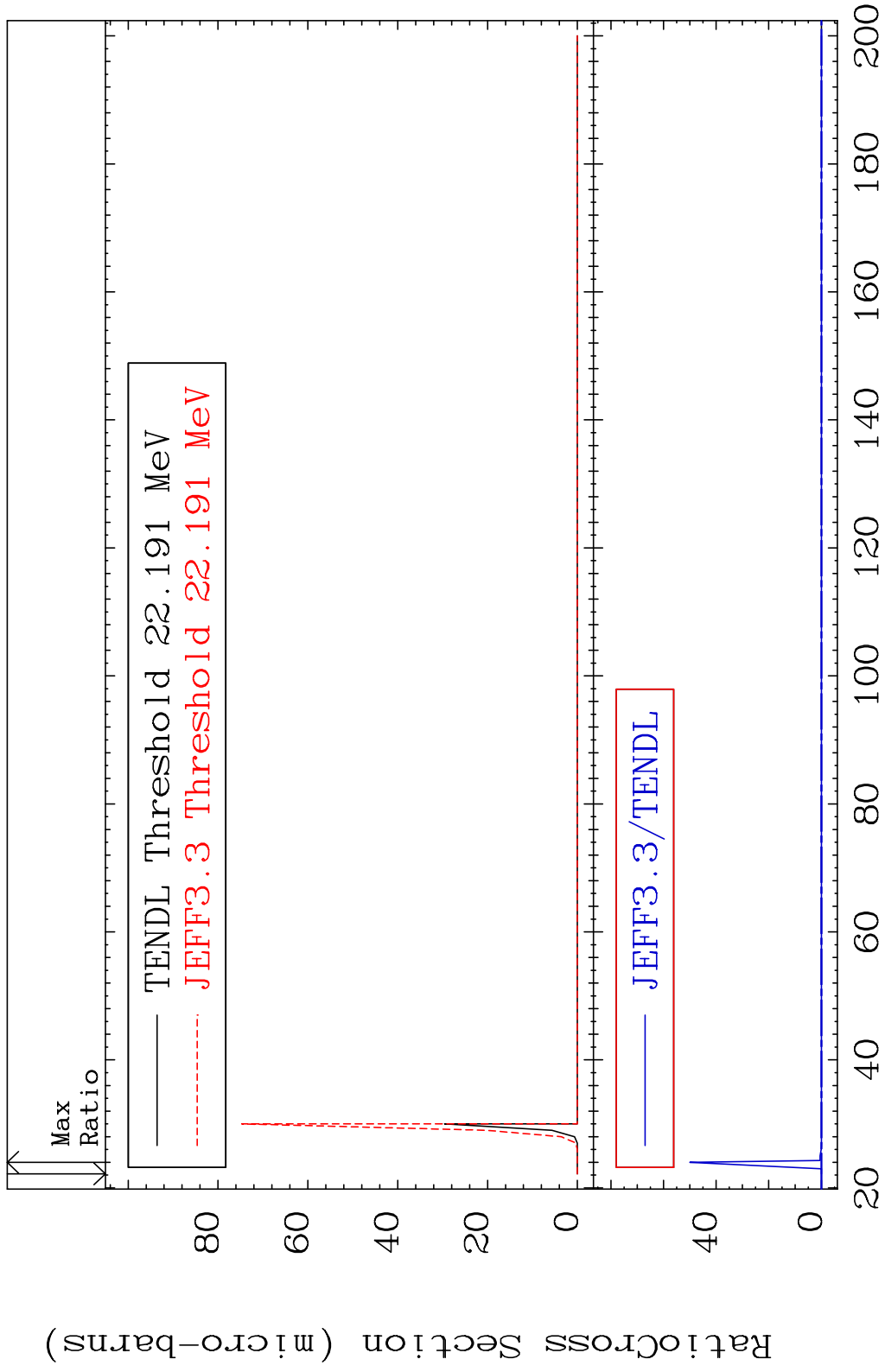


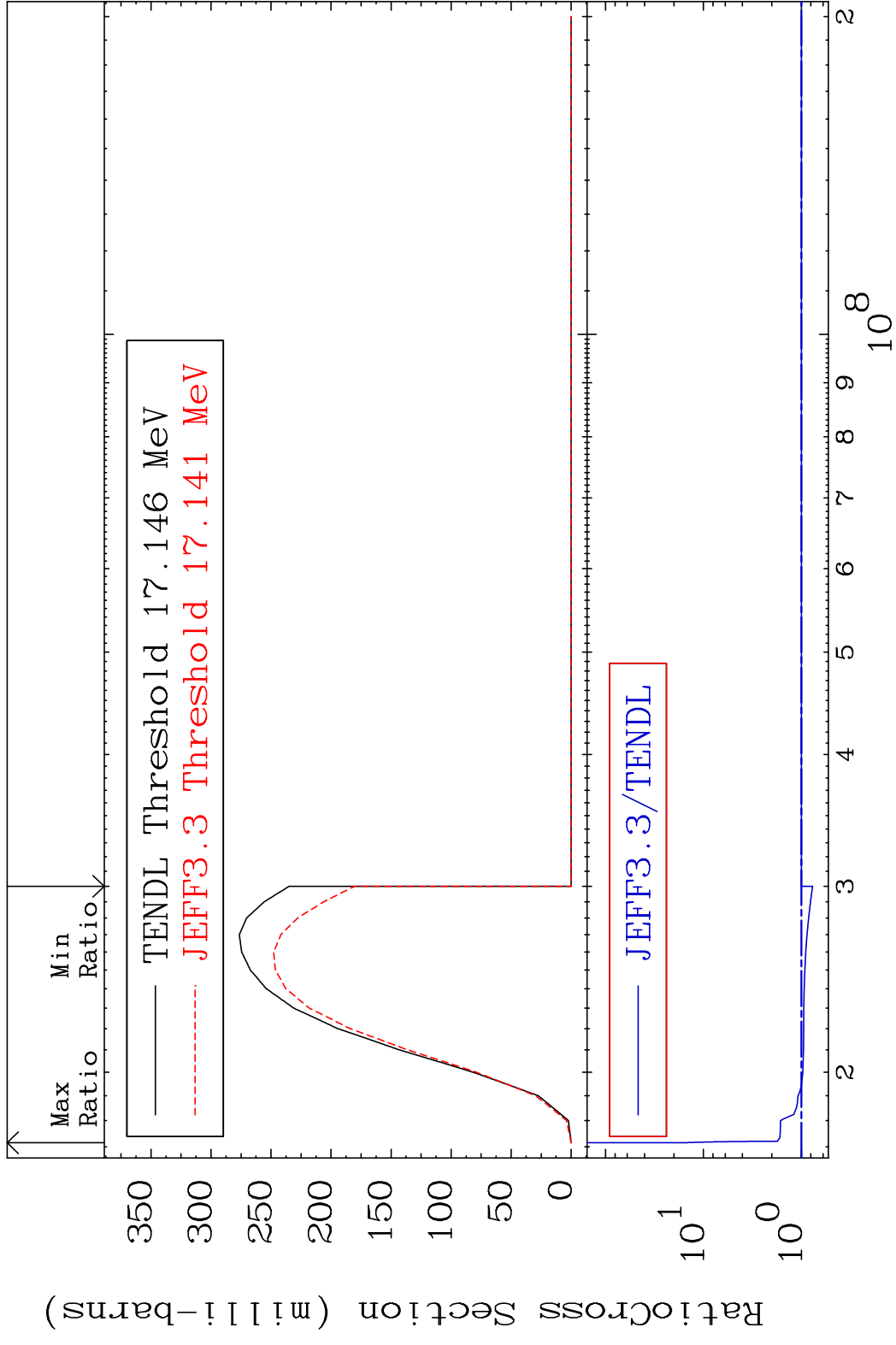


MAT 5634 (n,2n) d:55-Cs-130g 56-Ba-133  
 Radionuclide Production Cross Section (%)

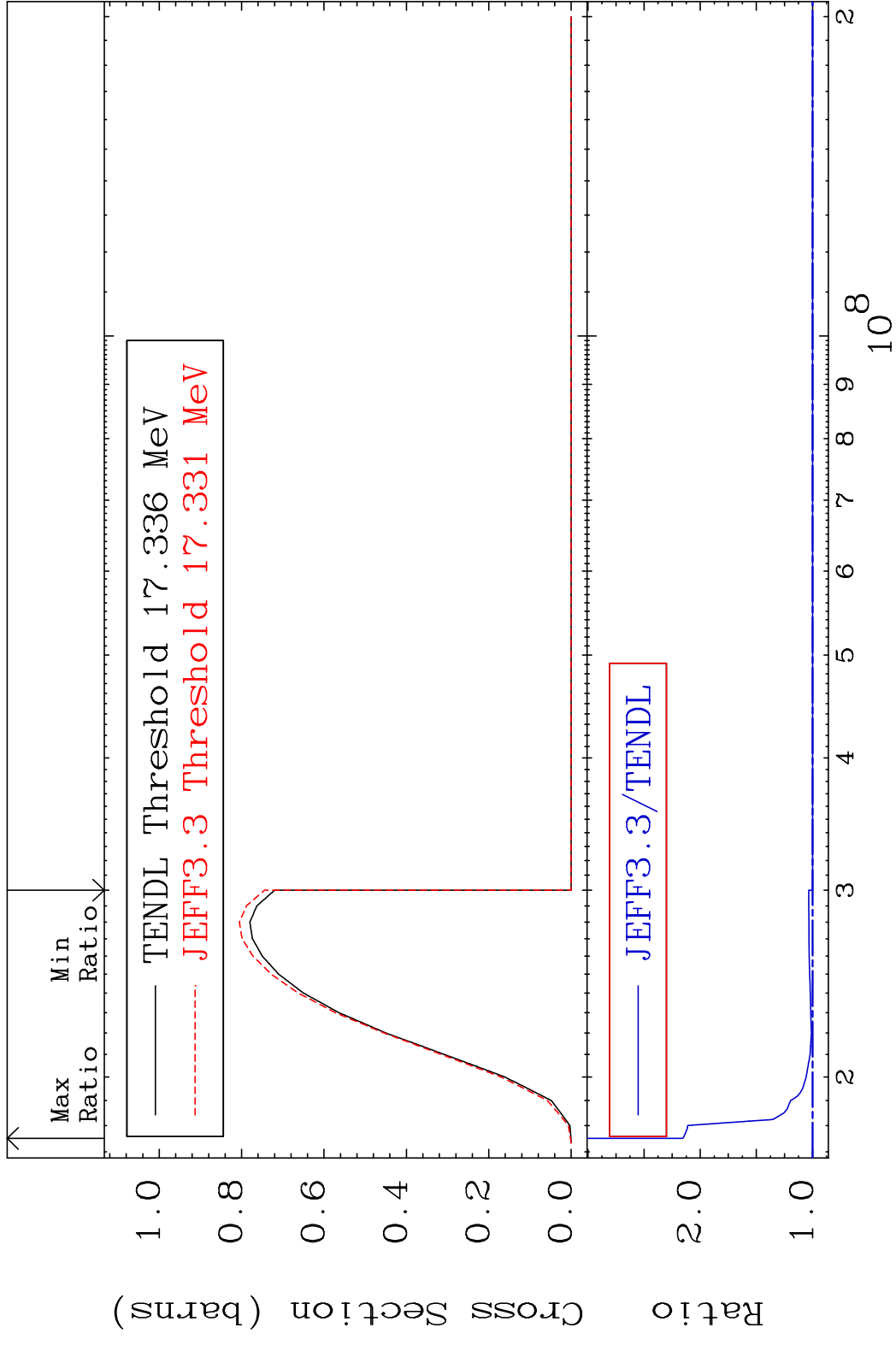


80 Incident Energy (MeV) 56-Ba-133

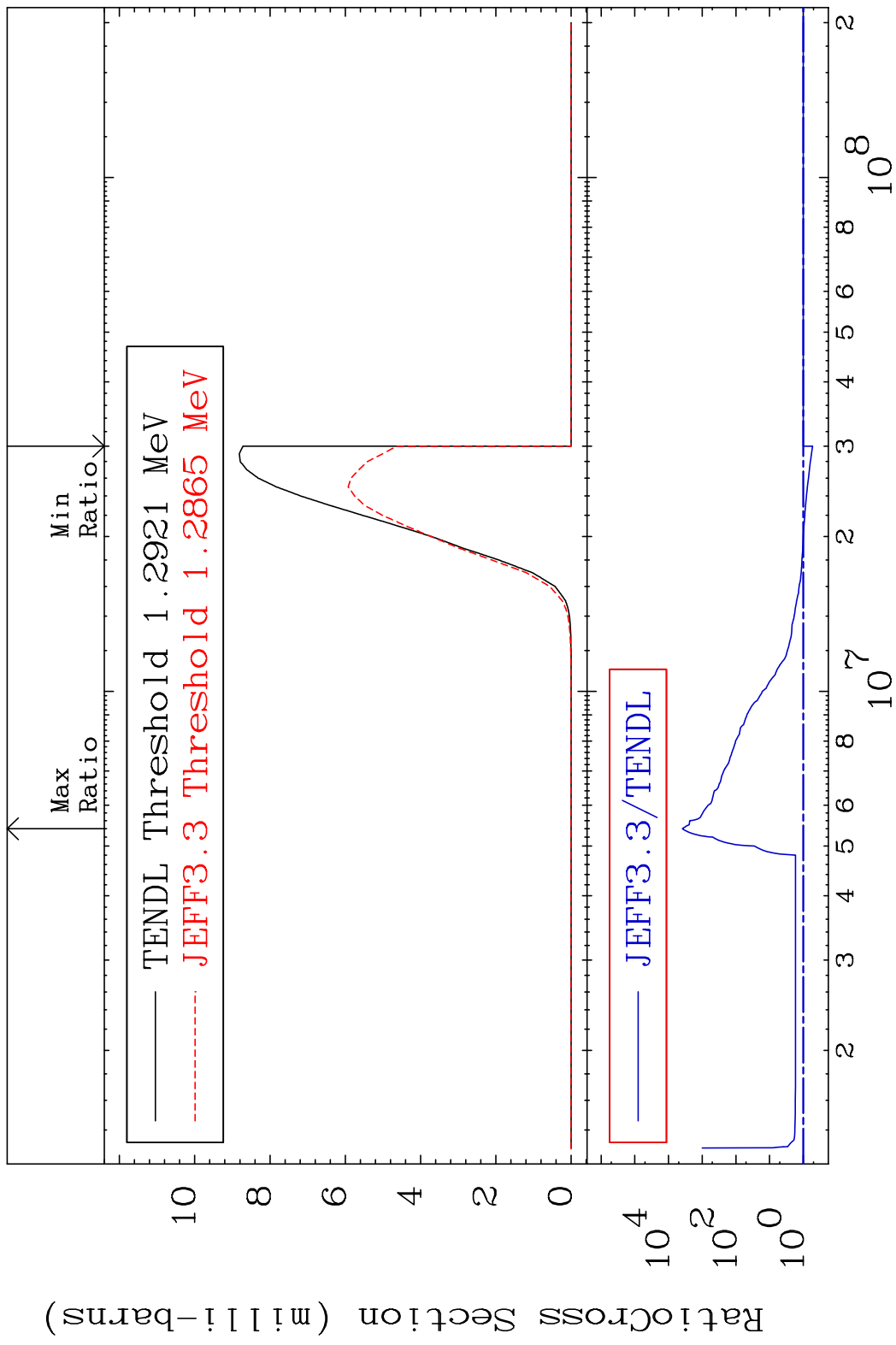




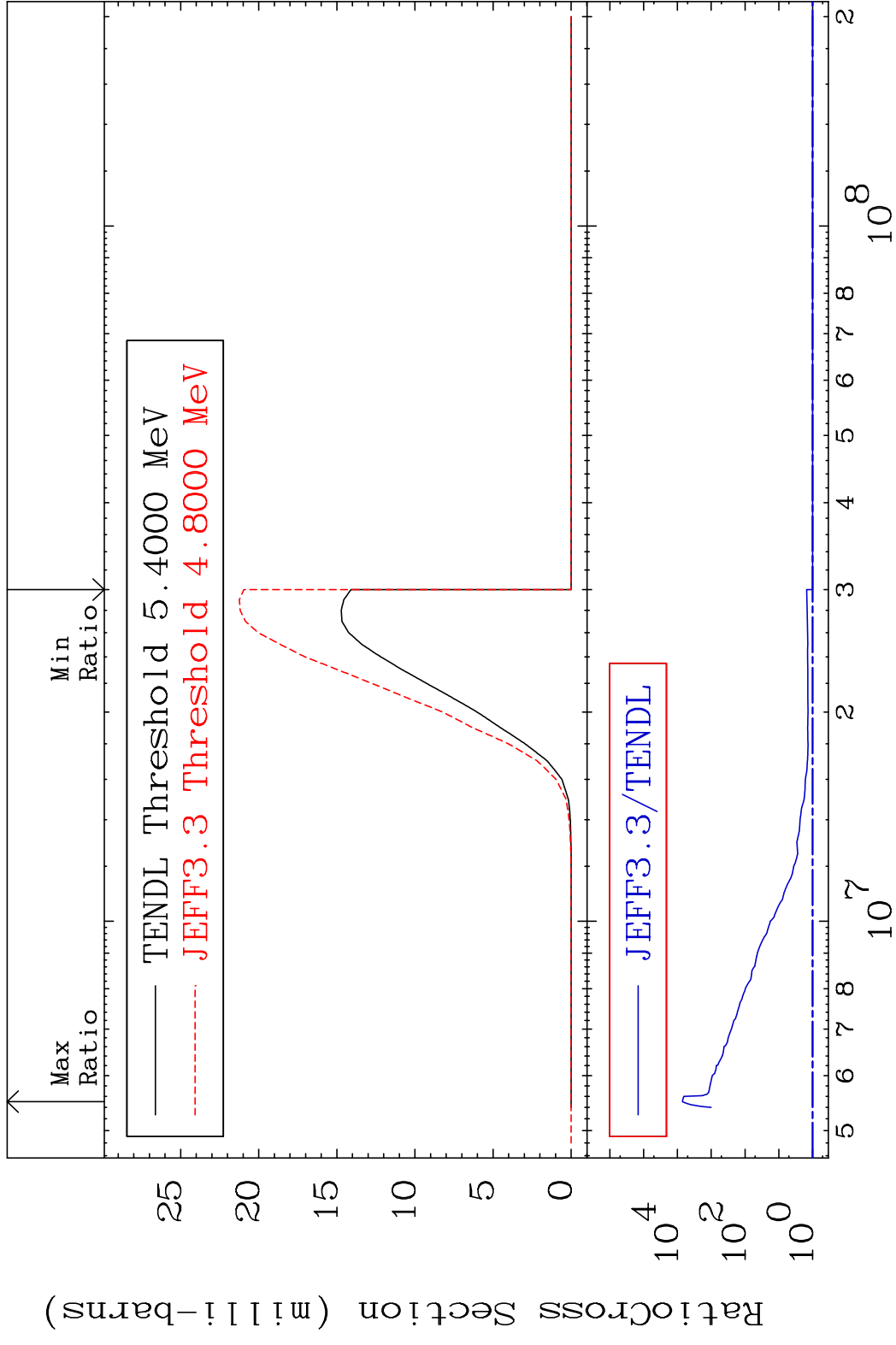
MAT 5634 (n, 3n):56-Ba-131m2 56-Ba-133  
 Radionuclide Production Cross Section 115.9 %

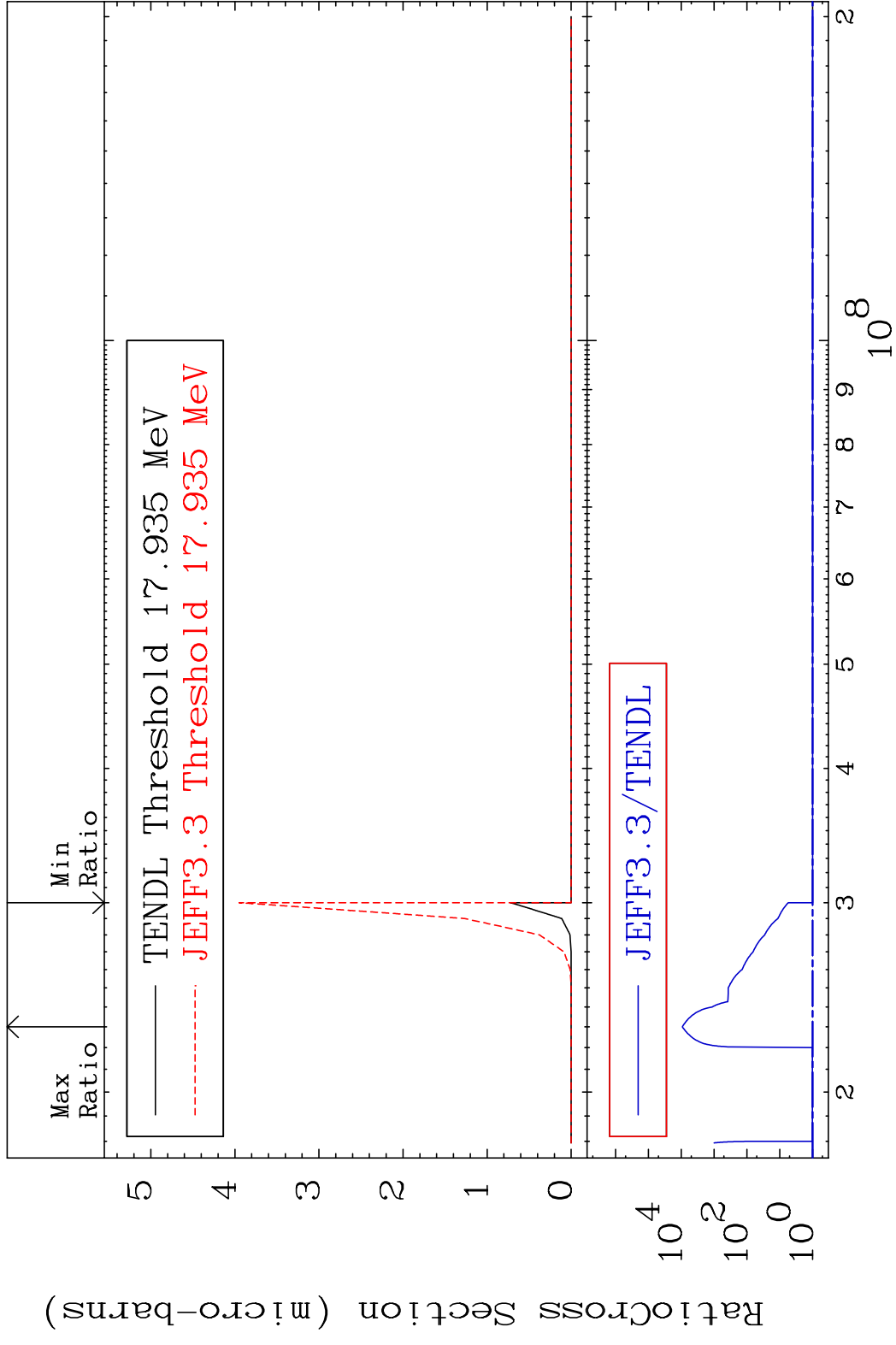


MAT 5634 (n, n')  $\alpha$ :54-Xe-129g 56-Ba-133  
 Radionuclide Production Cross Section to 9999. %

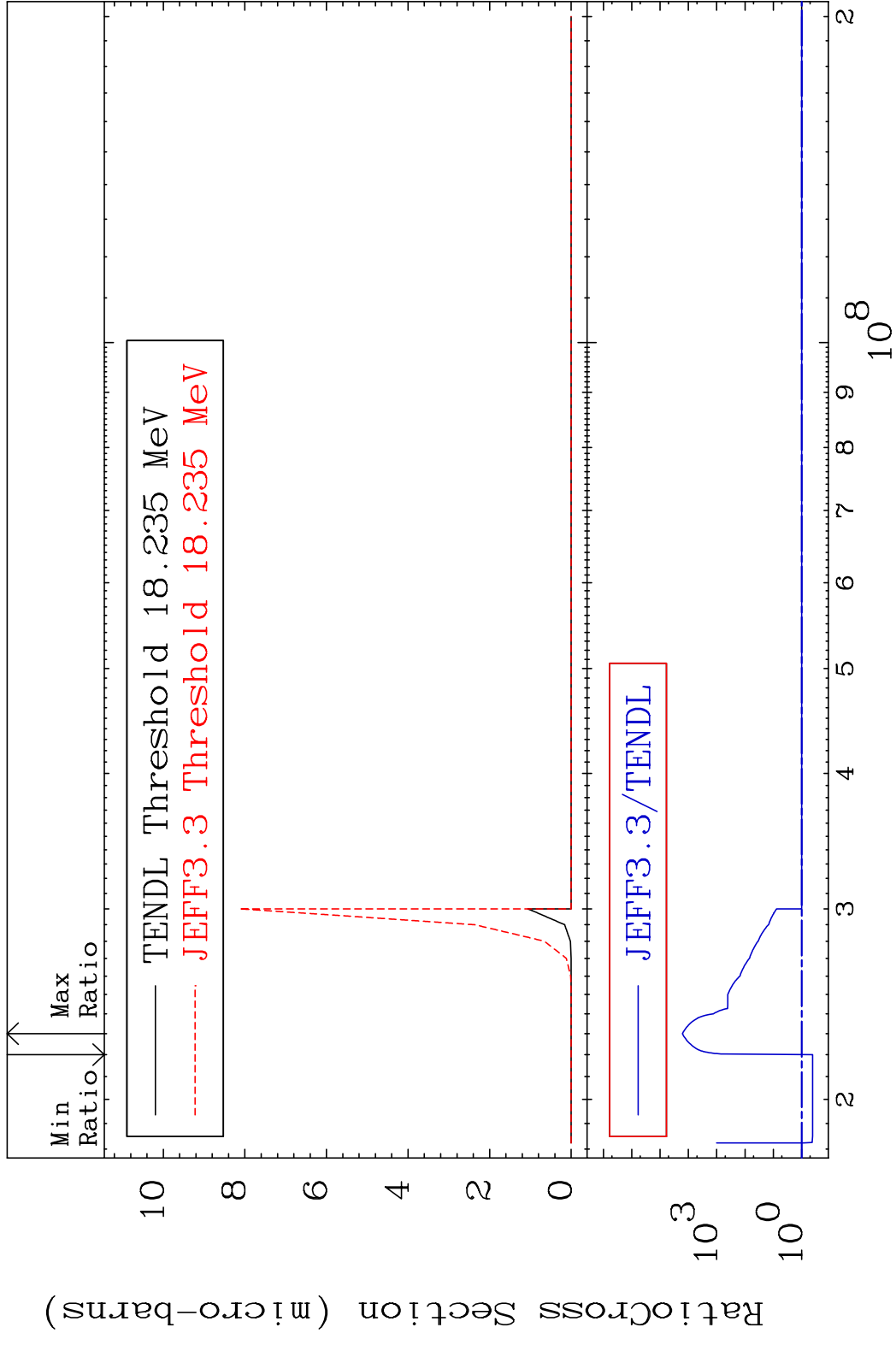


MAT 5634 (n, n')  $\alpha$ :54-Xe-129m2 56-Ba-133  
 Radionuclide Production Cross Section, %

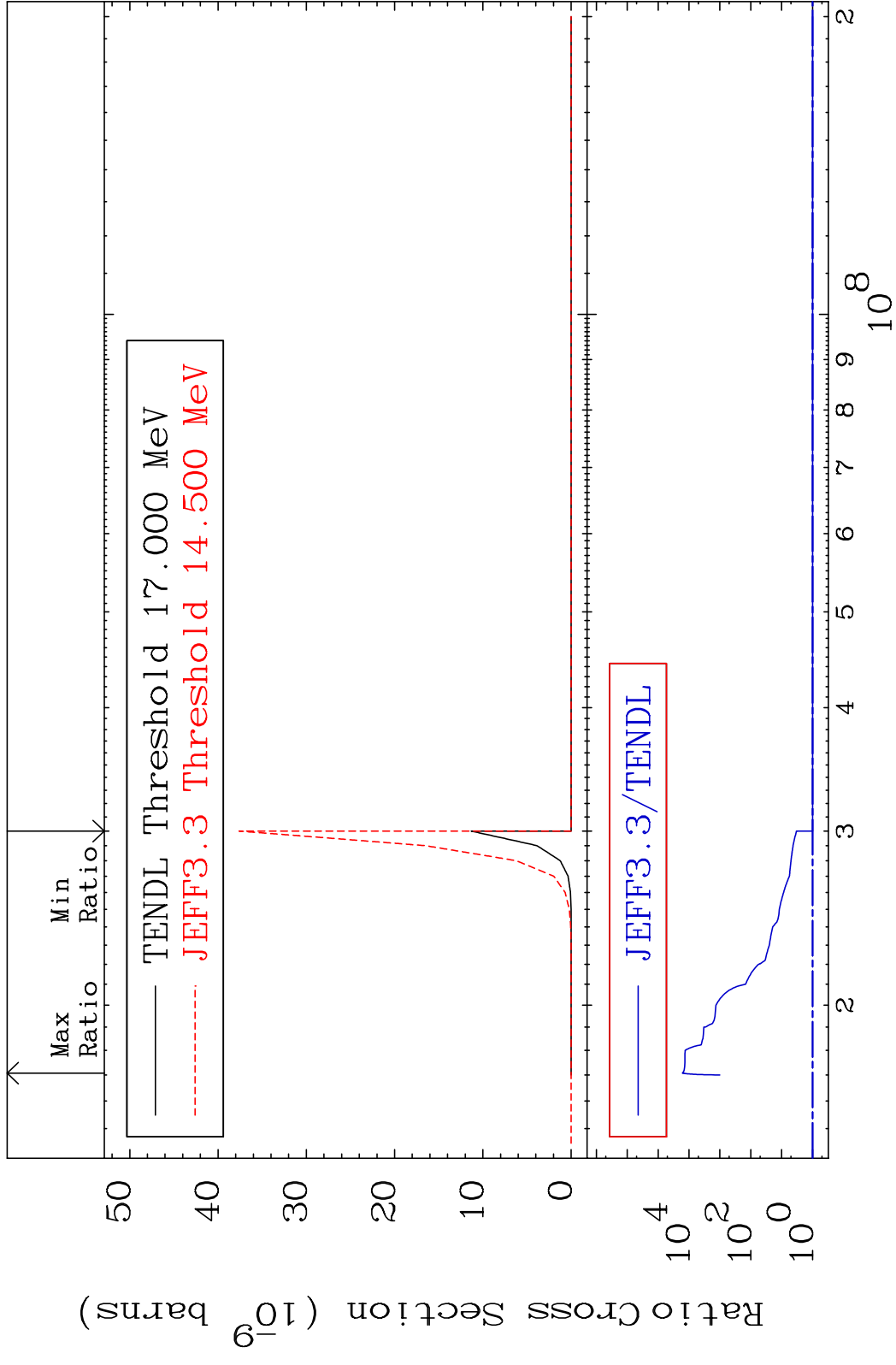


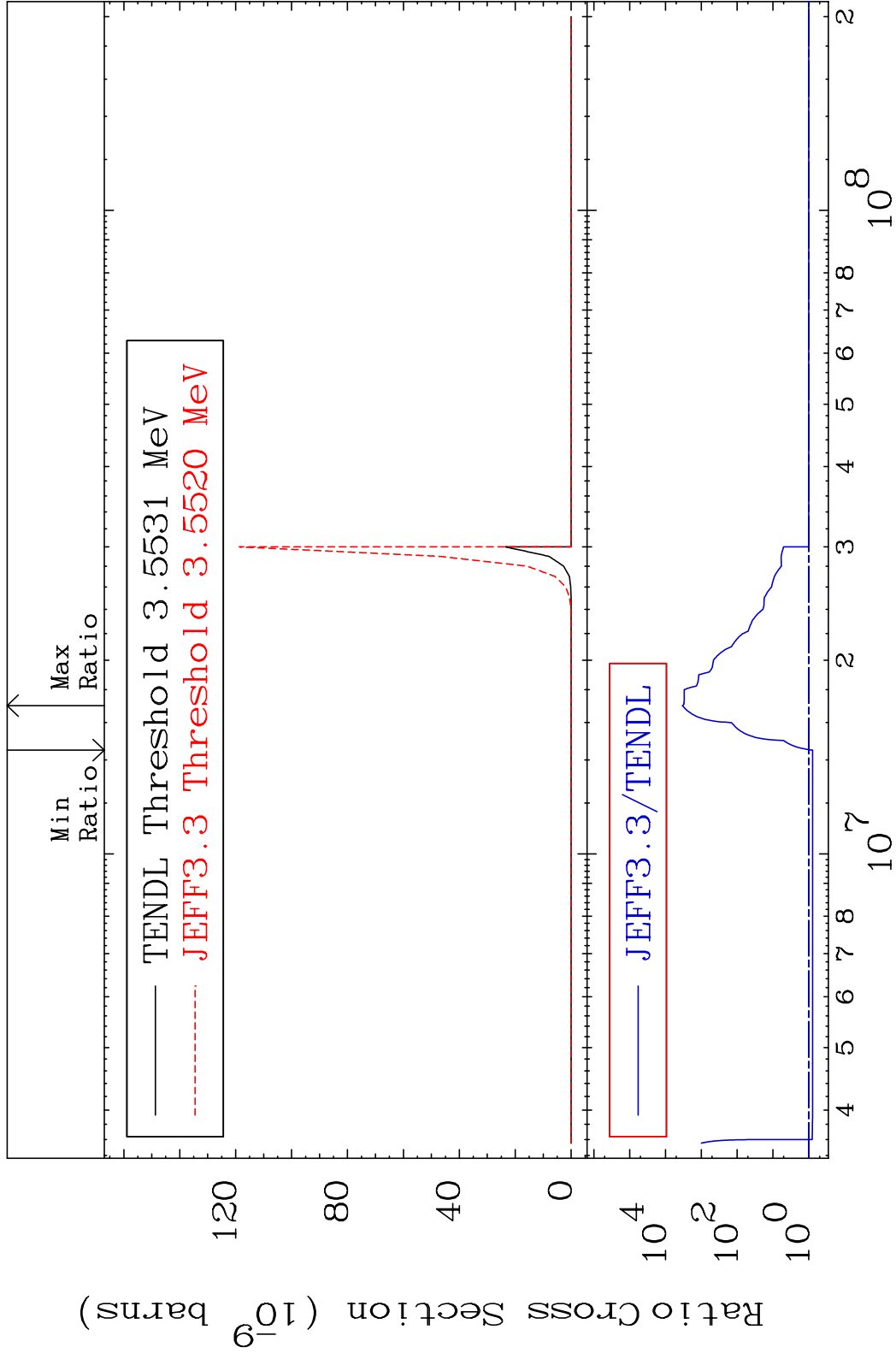


MAT 5634 (n,3n)  $\alpha$ :54-Xe-127m2 56-Ba-133  
 Radionuclide Production Cross Section to 9999. %

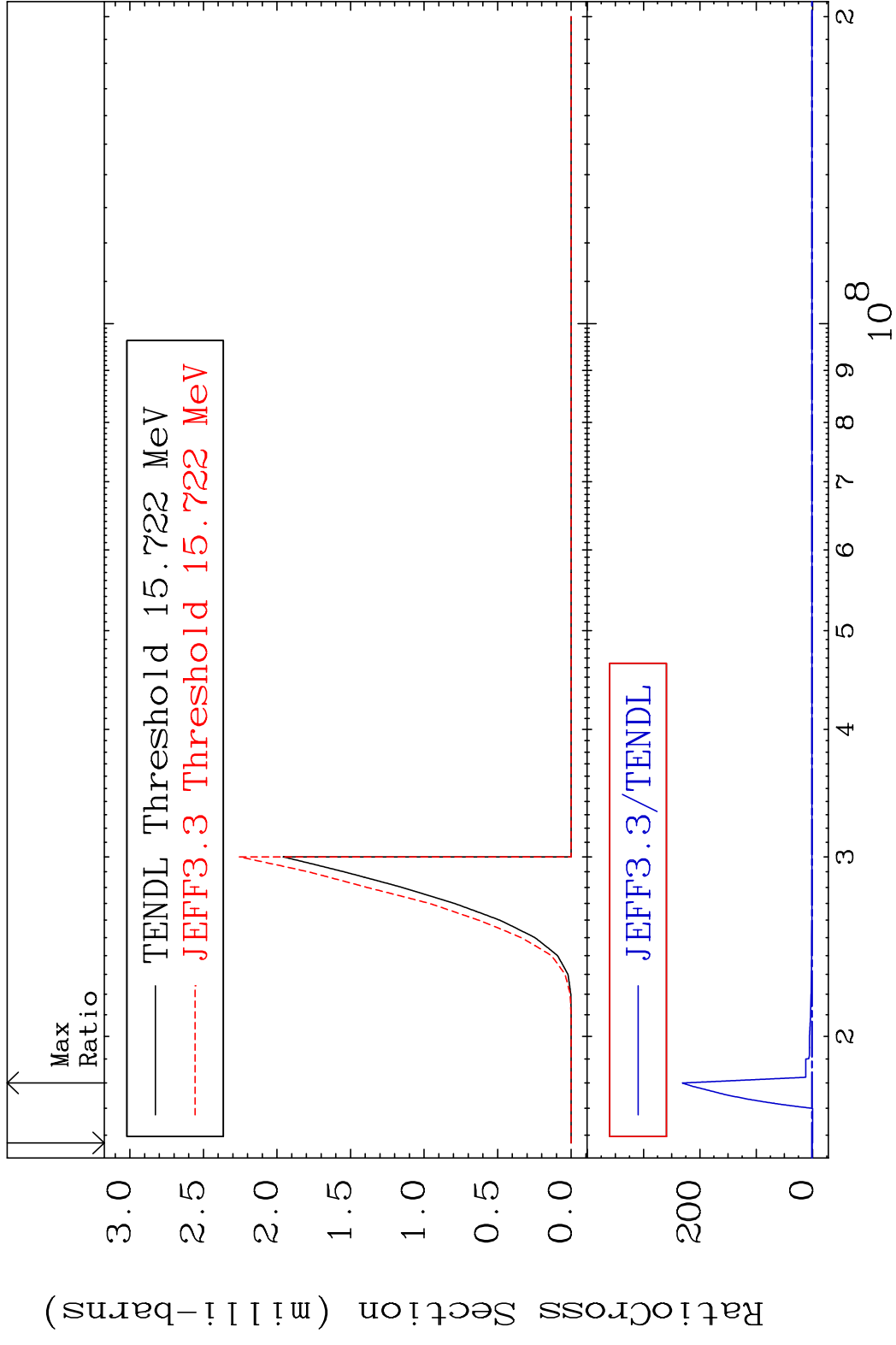


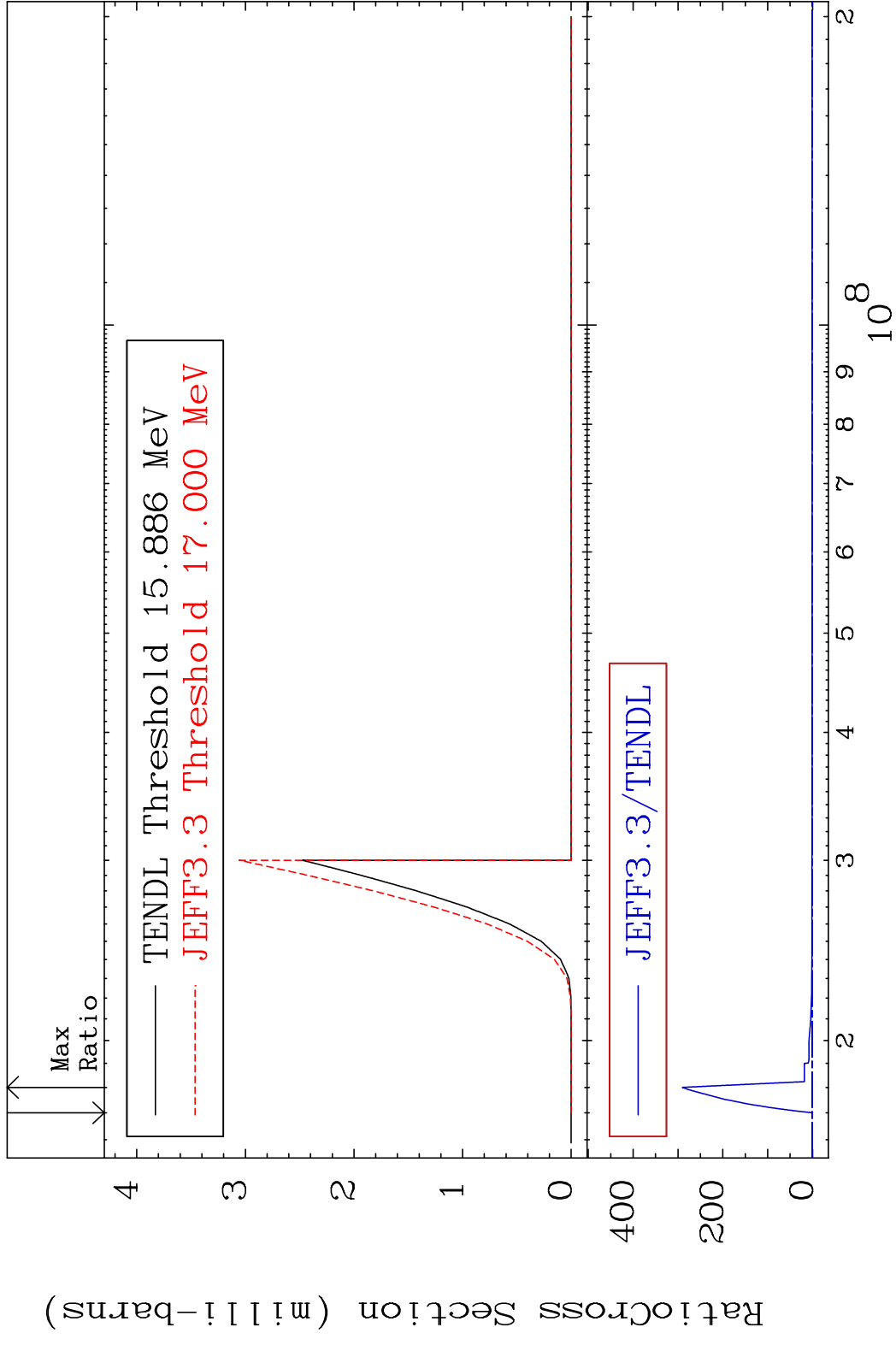




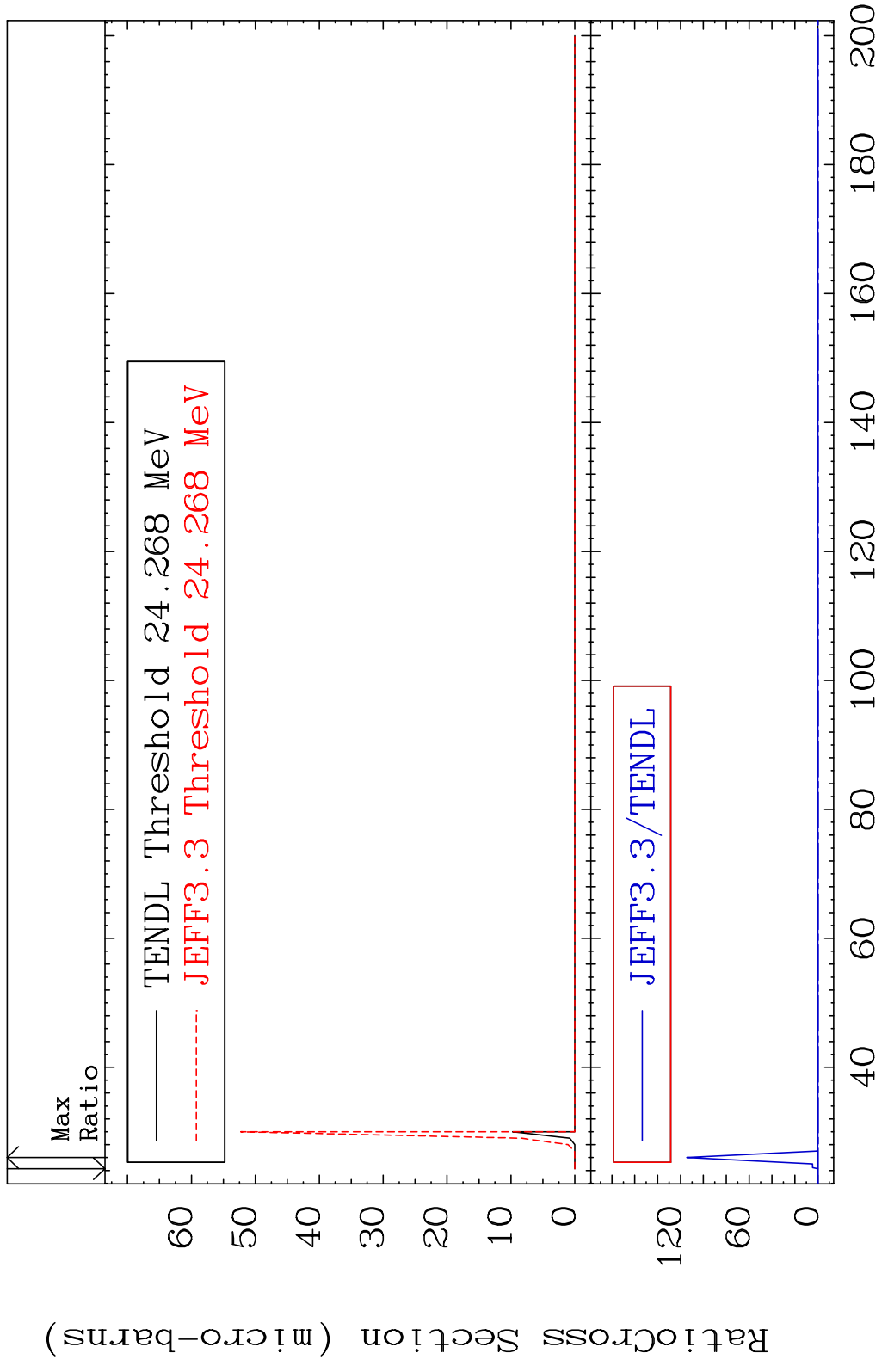


MAT 5634 (n, n') t:55-Cs-130g 56-Ba-133  
 Radionuclide Production Cross Section 100.00 %

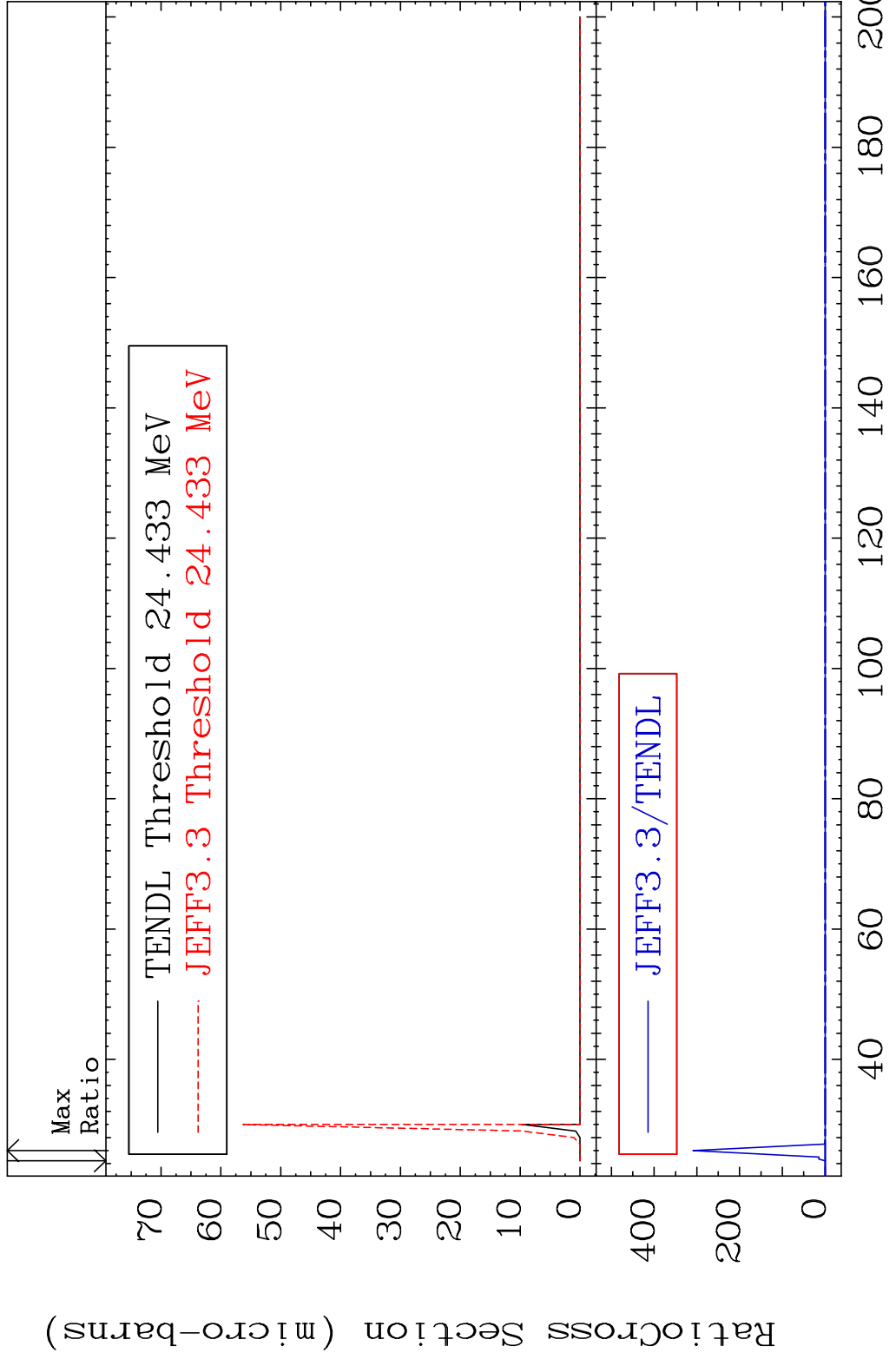




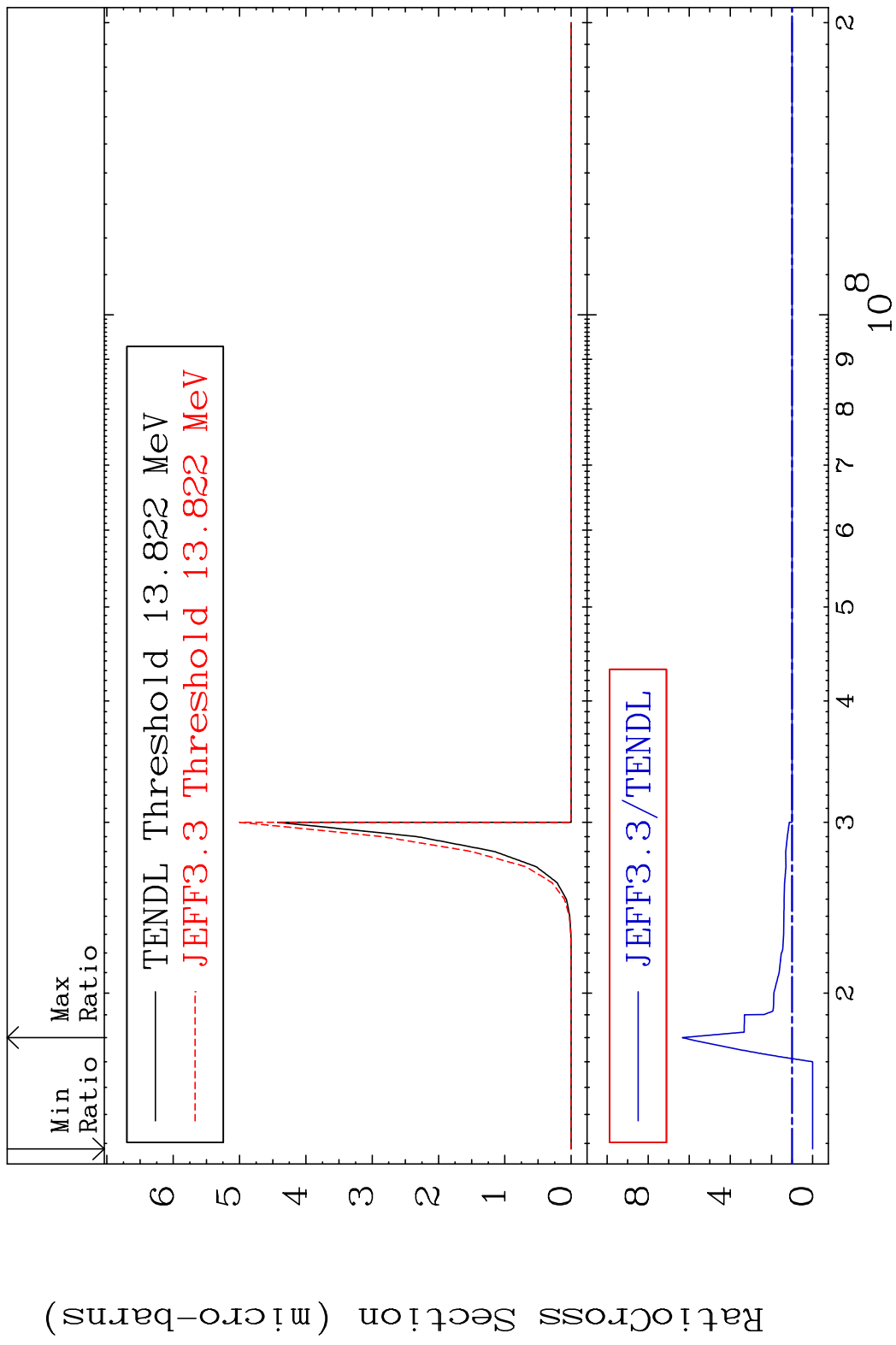
MAT 5634 (n,3n) p:55-Cs-130g 56-Ba-133  
 Radionuclide Production Cross Section (%)



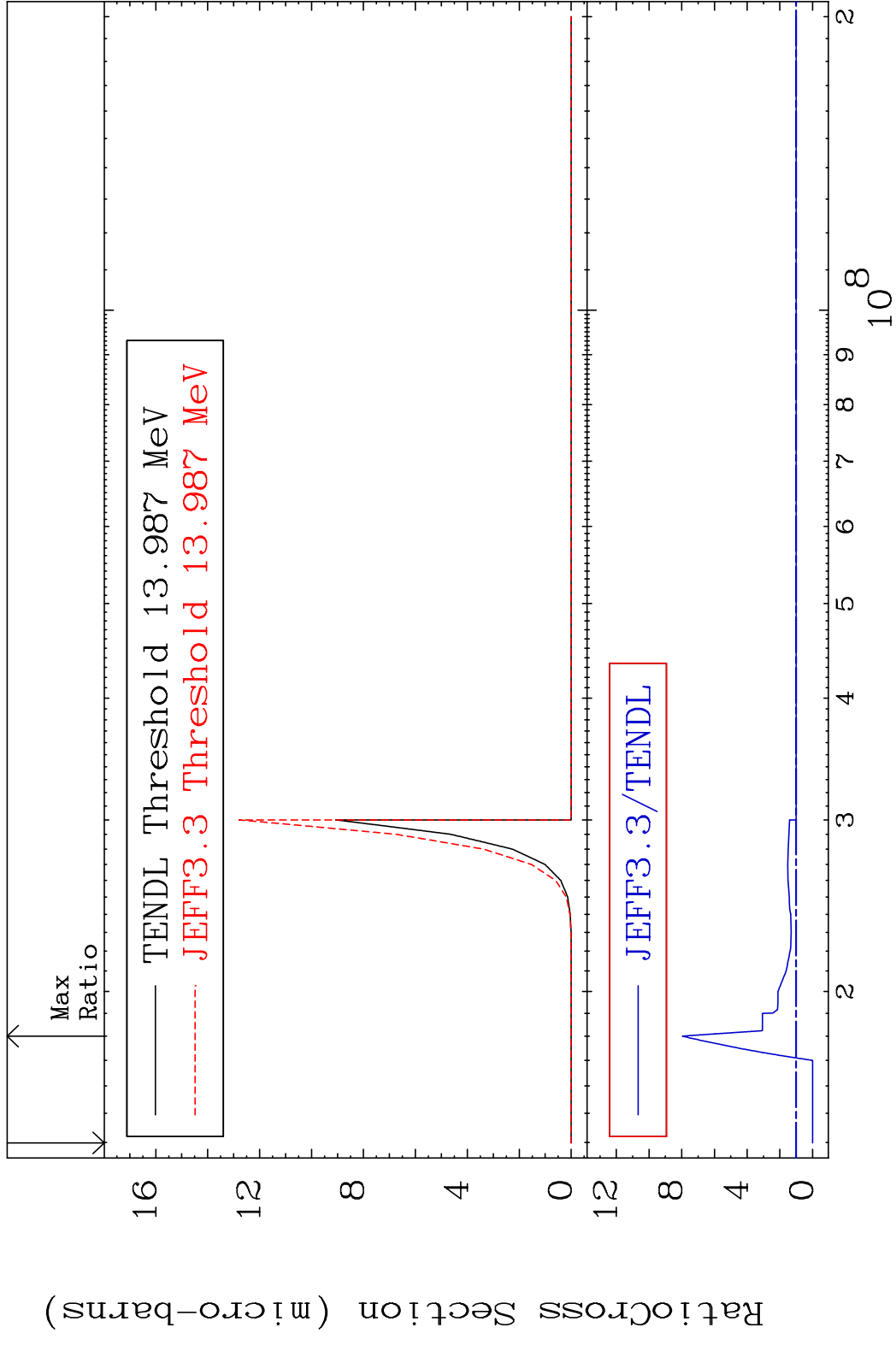
MAT 5634 (n,3n) p:55-Cs-130m4 56-Ba-133  
 Radionuclide Production Cross Section Ratio 9999. %



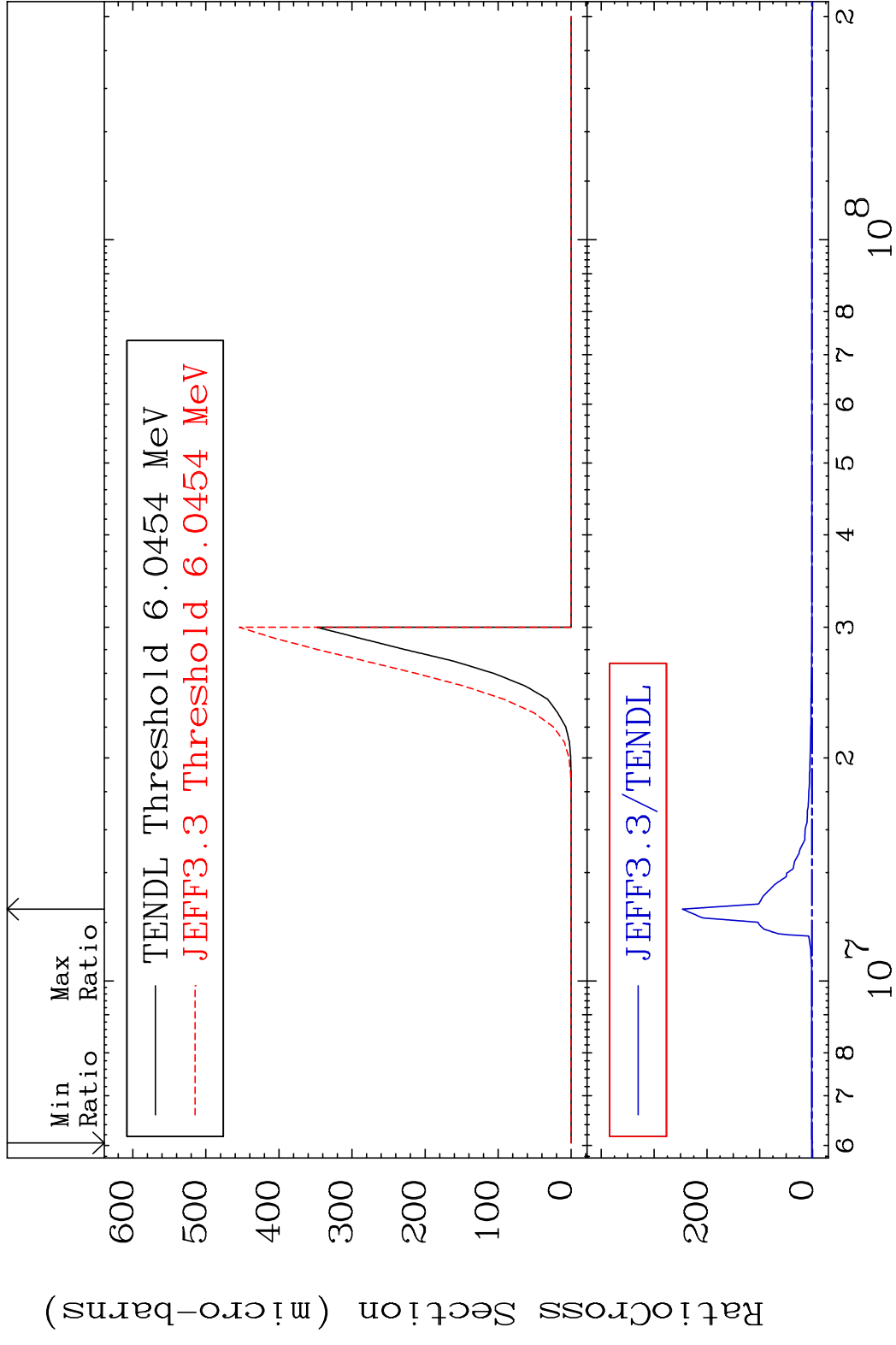
MAT 5634 (n,2n) p:54-Xe-131g 56-Ba-133  
 Radionuclide Production Cross Section 180.01 dth 533.7 %

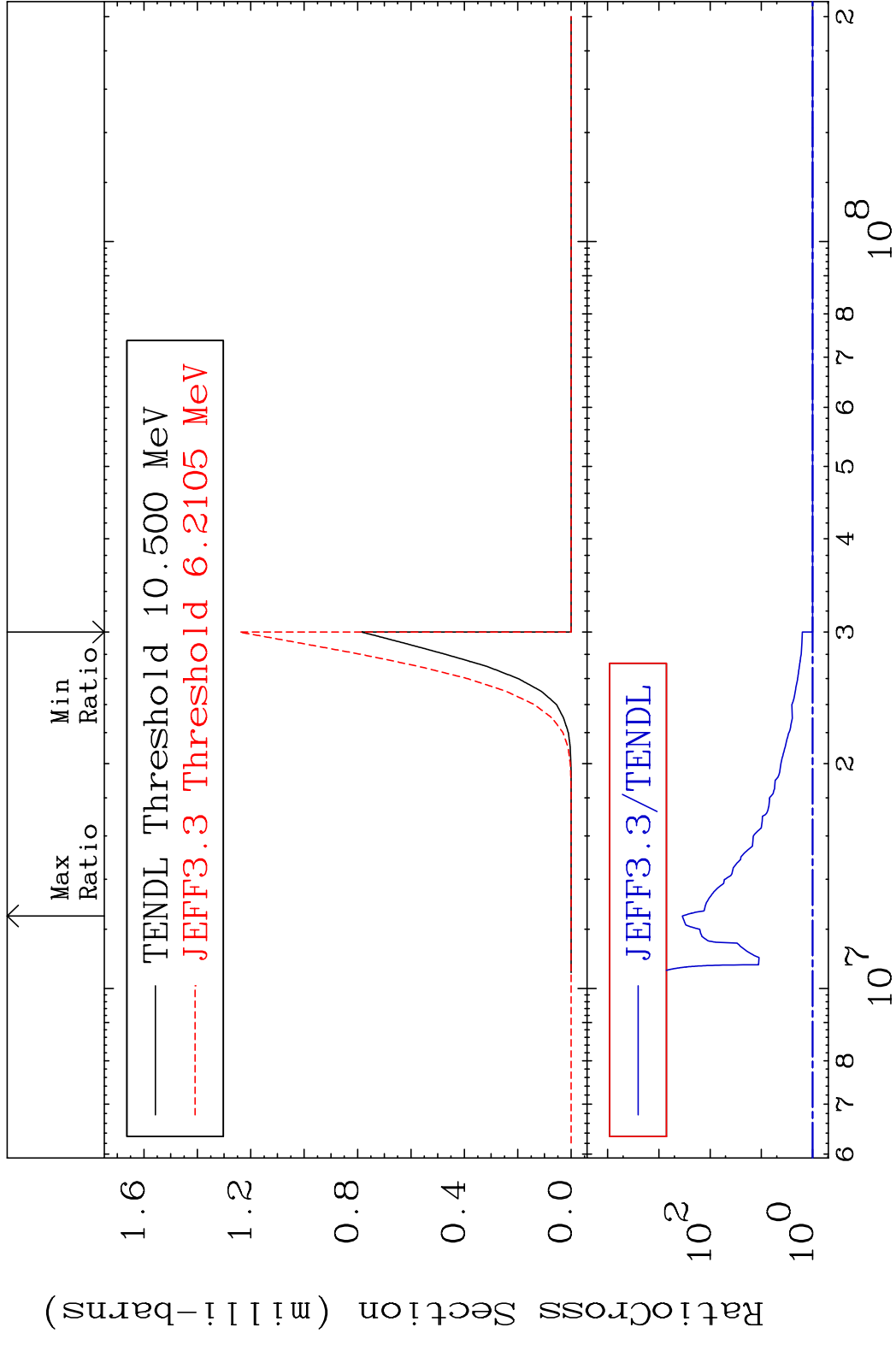


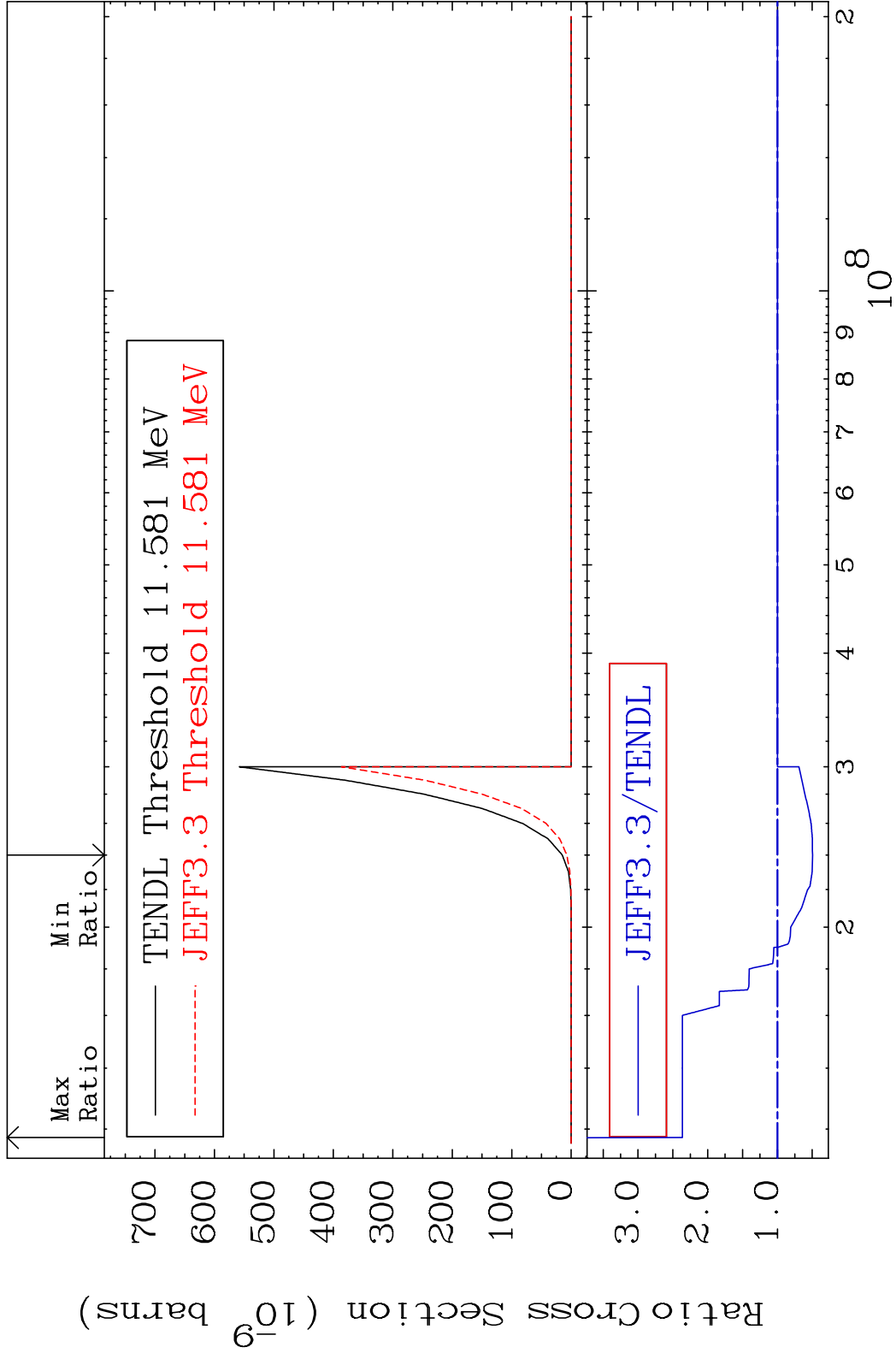
MAT 5634 (n,2n) p:54-Xe-131m2 56-Ba-133  
 Radionuclide Production Cross Section Ratio 696.2 %











MAT 5634 (n, p) d:54-Xe-131m2 56-Ba-133  
 Radionuclide Production Cross Section 180.01 dth 175.1 %

