

Program Complot  
(Version 2021-1)

by

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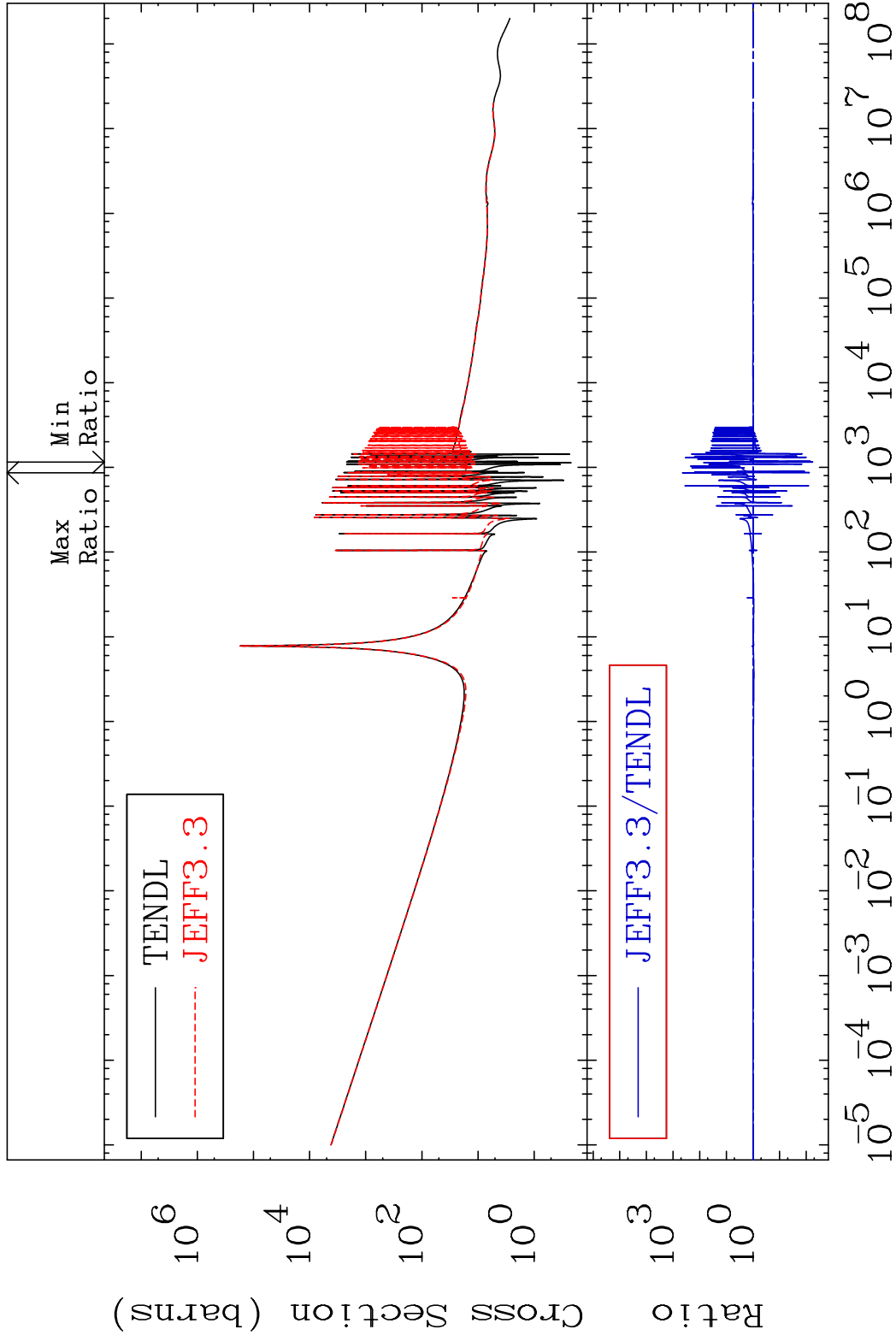
Press Mouse Button to Start

MAT 7237

Total

72-Hf-178

Cross Section -99.42 To 9999. %



1

Incident Energy (eV)

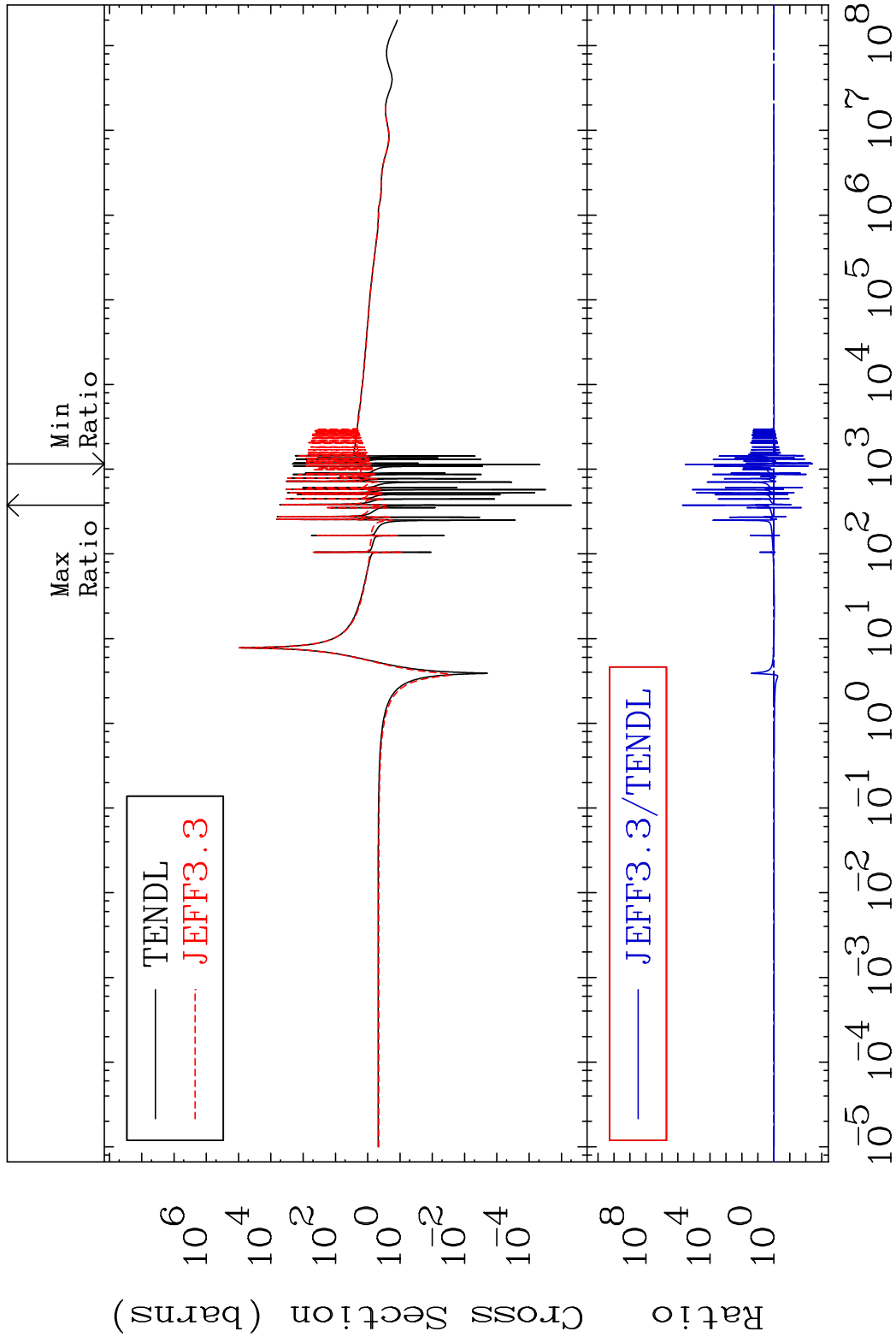
72-Hf-178

MAT 7237

Elastic

72-Hf-178

Cross Section -99.62 To 9999. %



2

Incident Energy (eV)

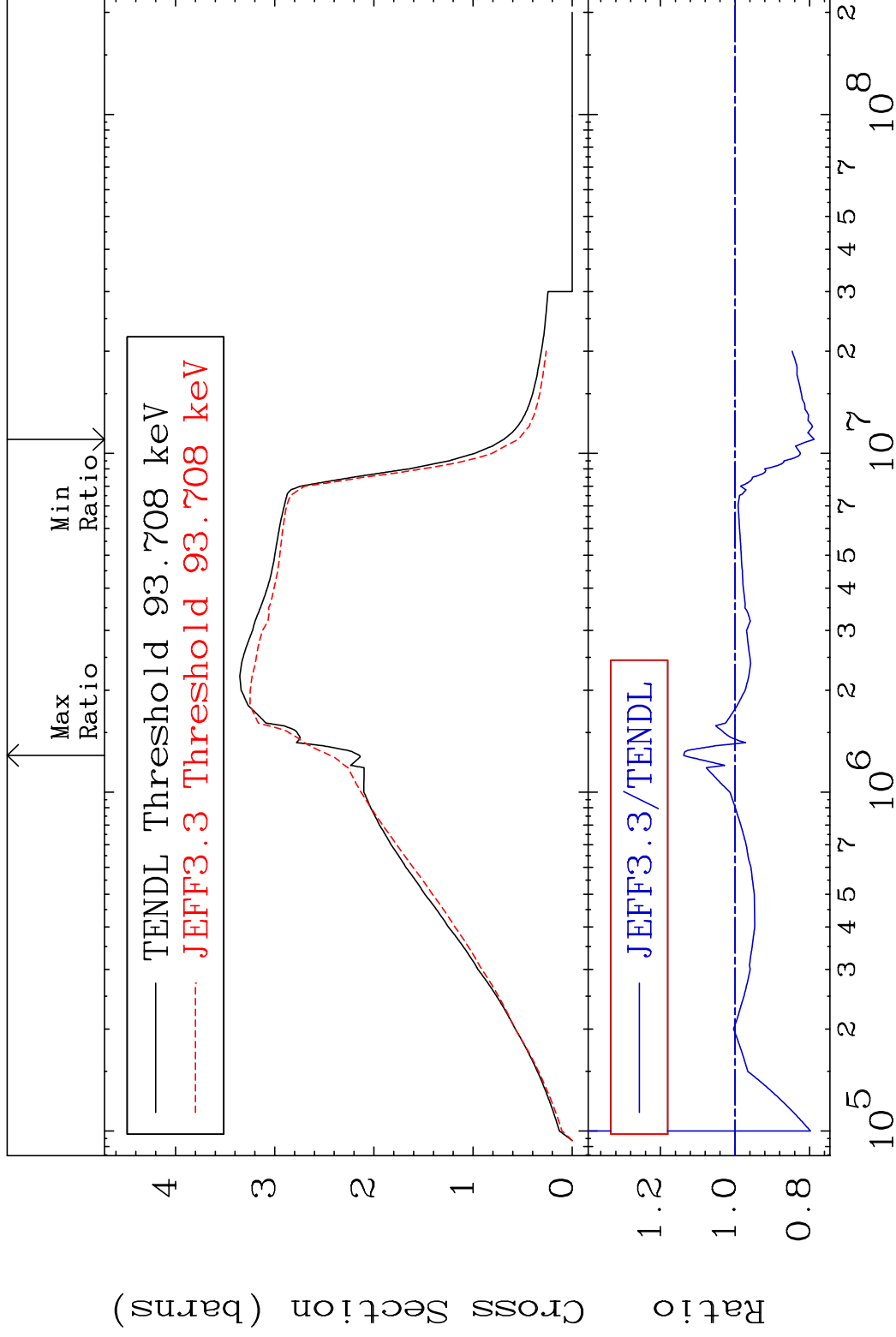
72-Hf-178

MAT 7237

Inelastic

72-Hf-178

Cross Section -21.21 To 13.79 %



3

Incident Energy (eV)

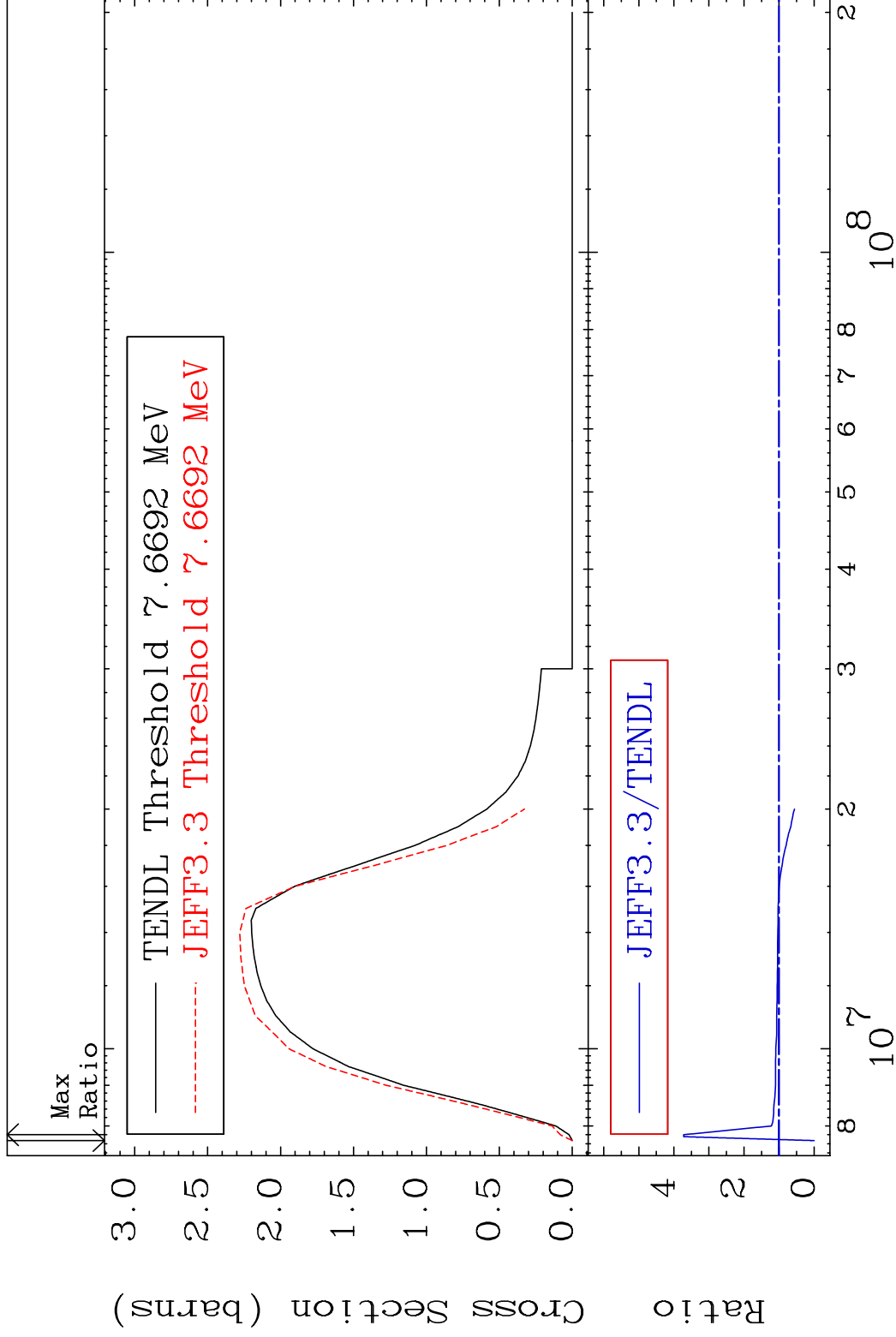
72-Hf-178

MAT 7237

(n,2n)

72-Hf-178

Cross Section -100.0 To 272.1 %



4

Incident Energy (eV)

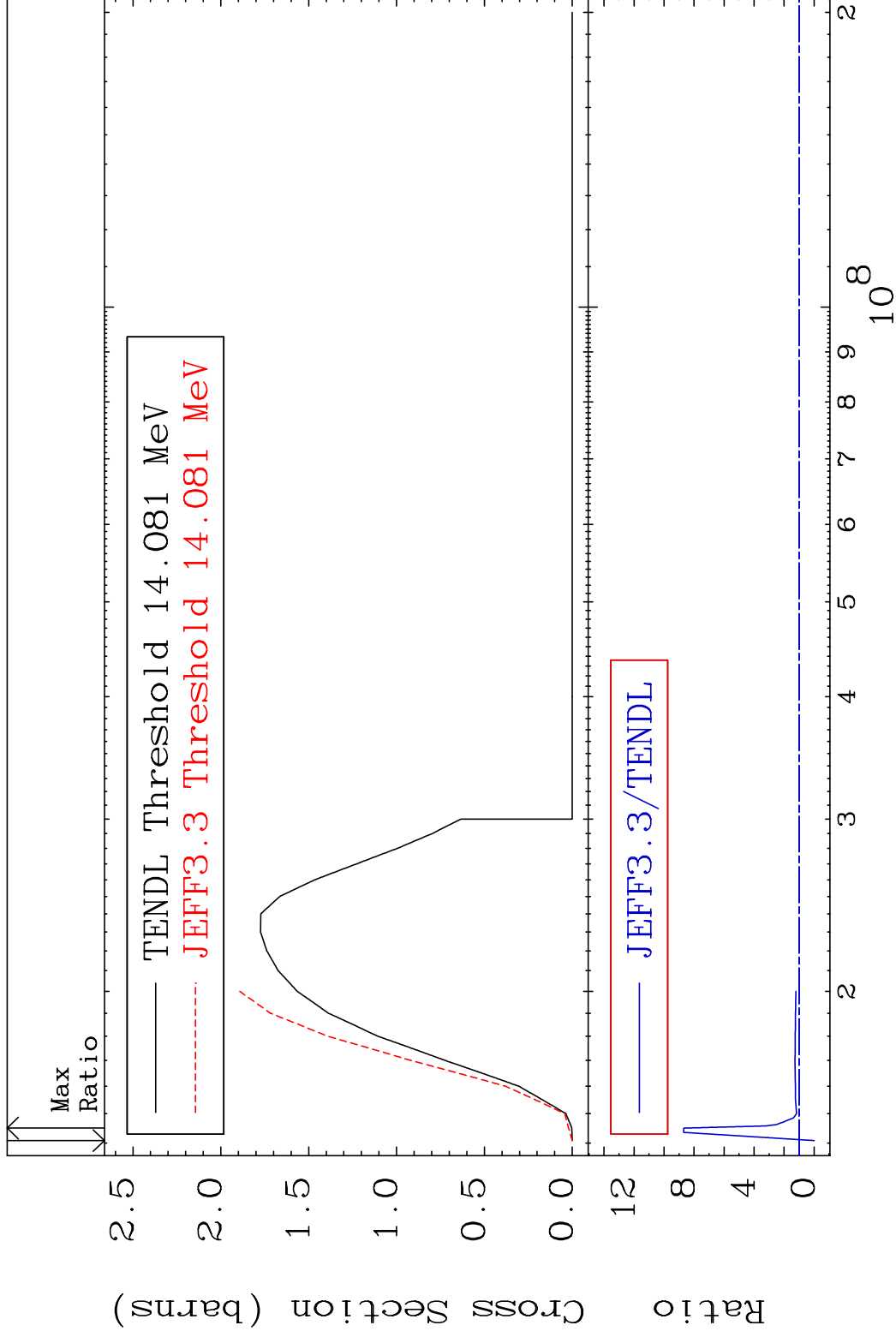
72-Hf-178

MAT 7237

(n,3n)

72-Hf-178

Cross Section -100.0 To 769.3 %



5

Incident Energy (eV)

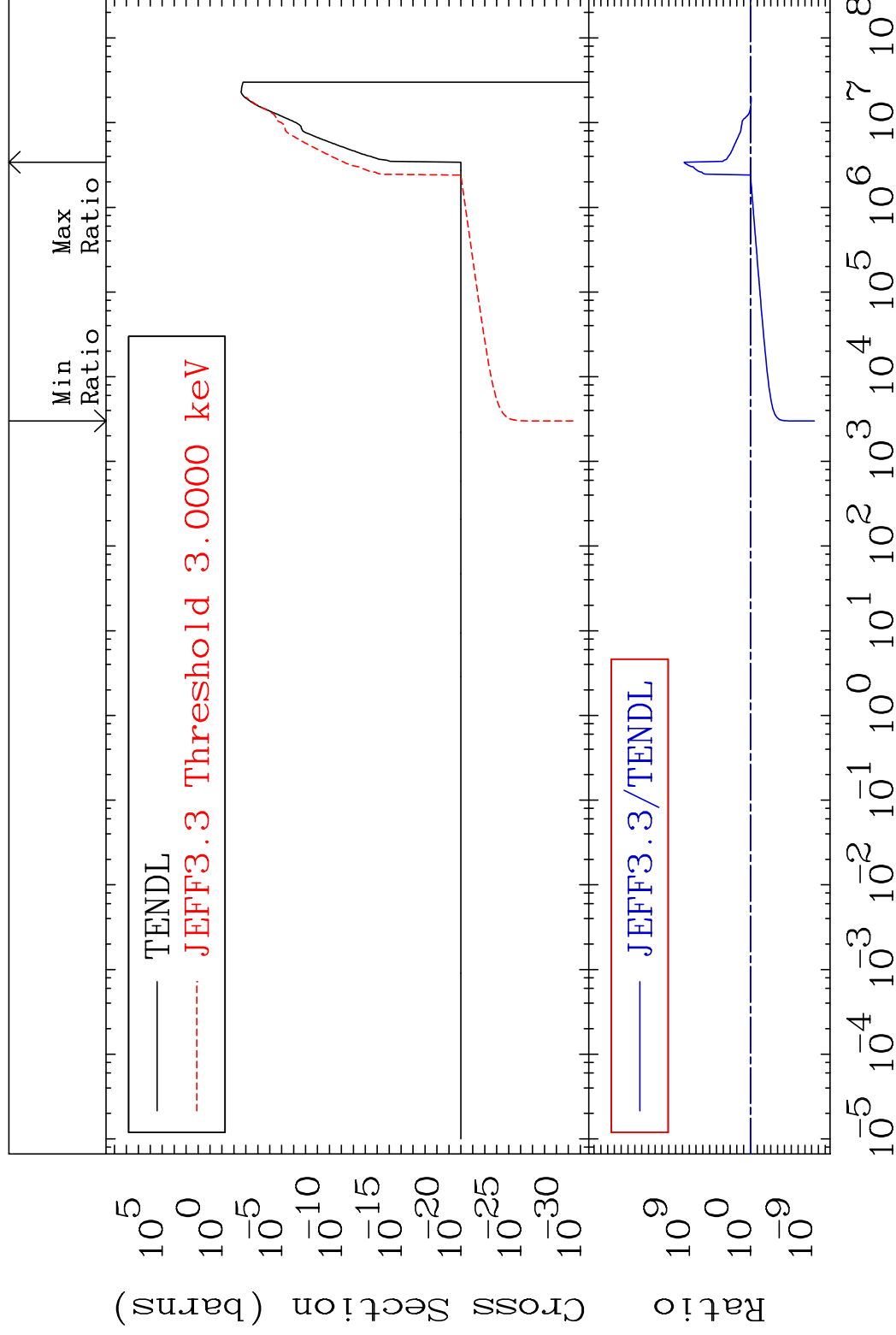
72-Hf-178

MAT 7237

(n, n')  $\alpha$

72-Hf-178

Cross Section -100.0 To 9999. %

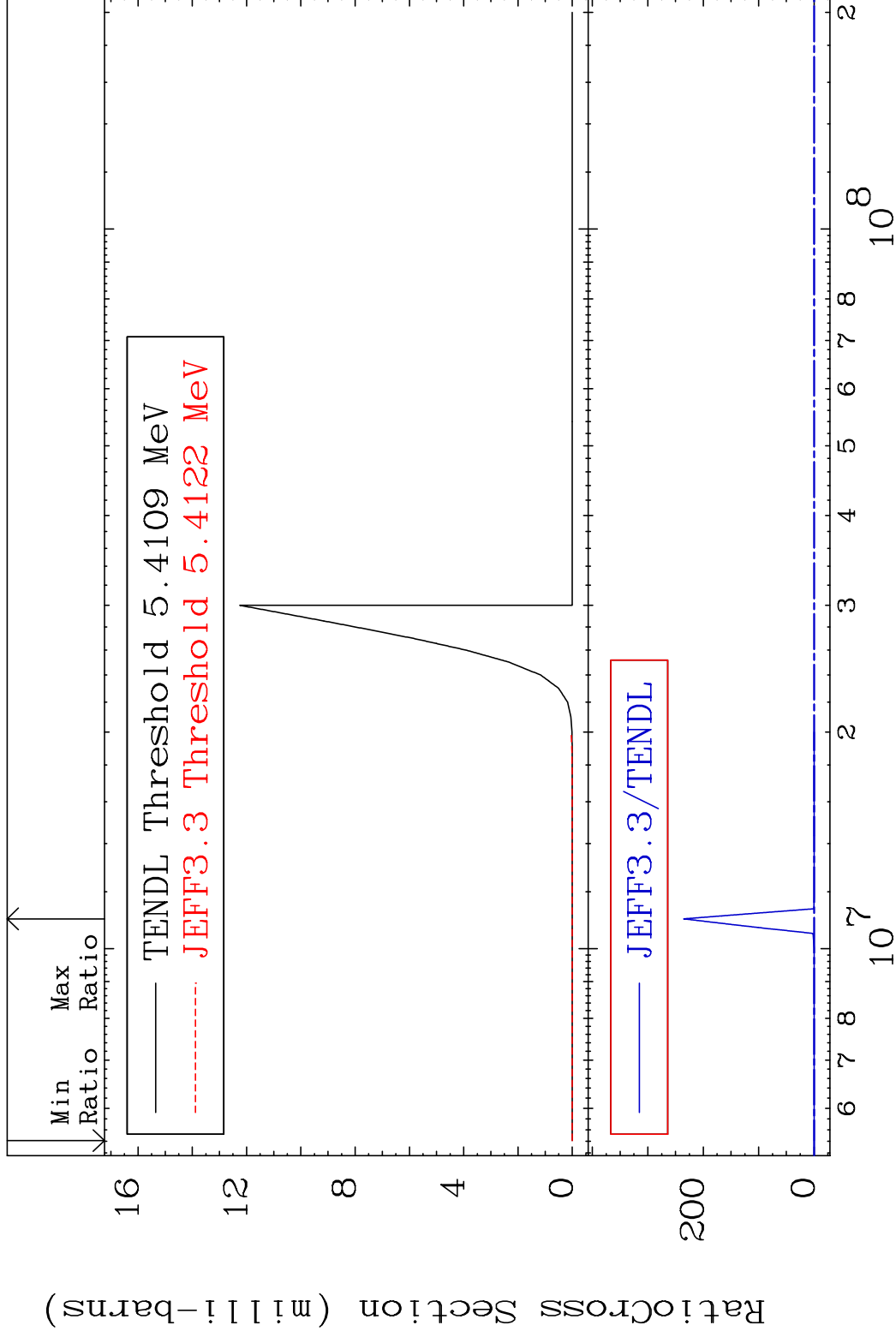


MAT 7237

(n,2n)  $\alpha$

72-Hf-178

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

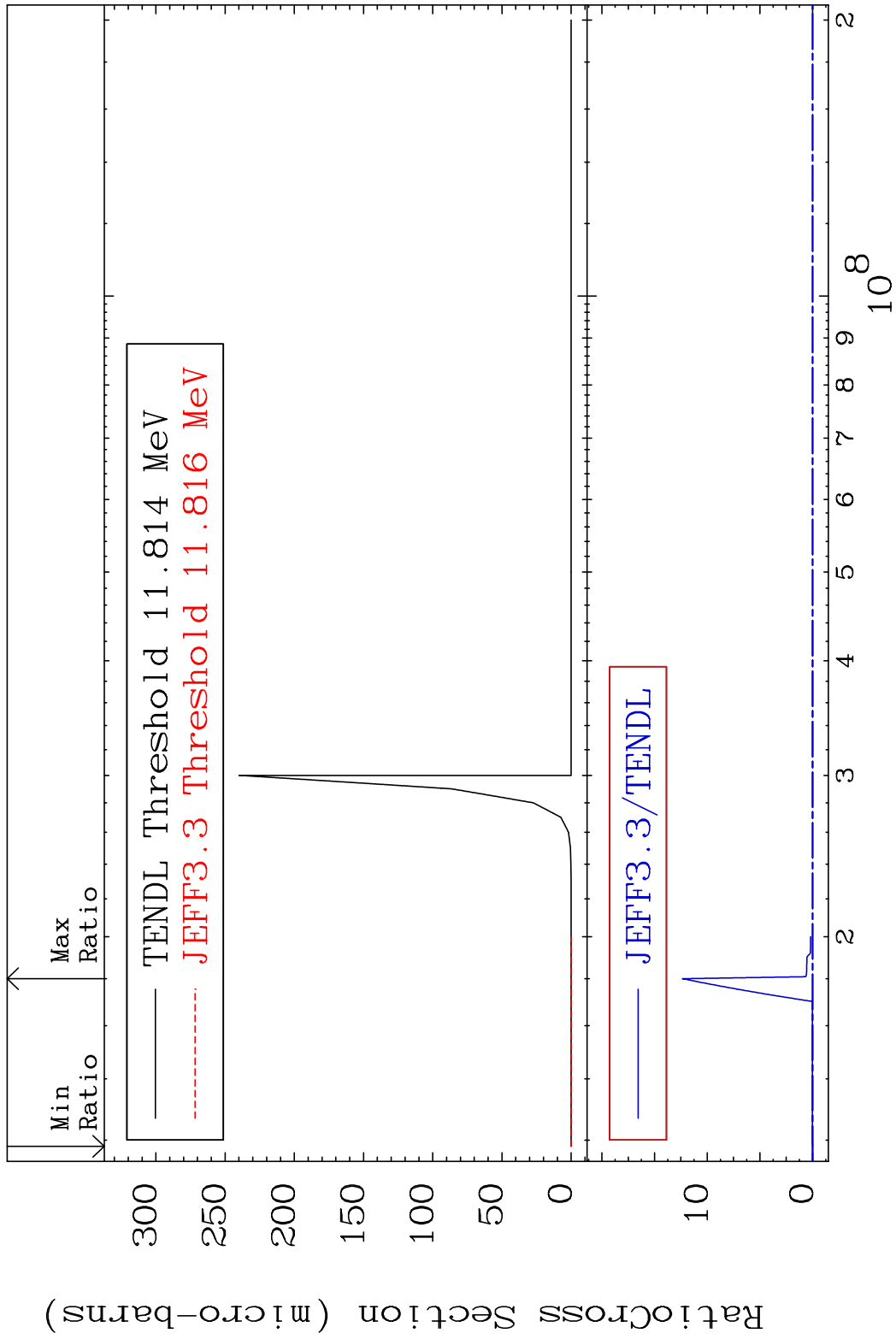
72-Hf-178

MAT 7237

(n,3n)  $\alpha$

72-Hf-178

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

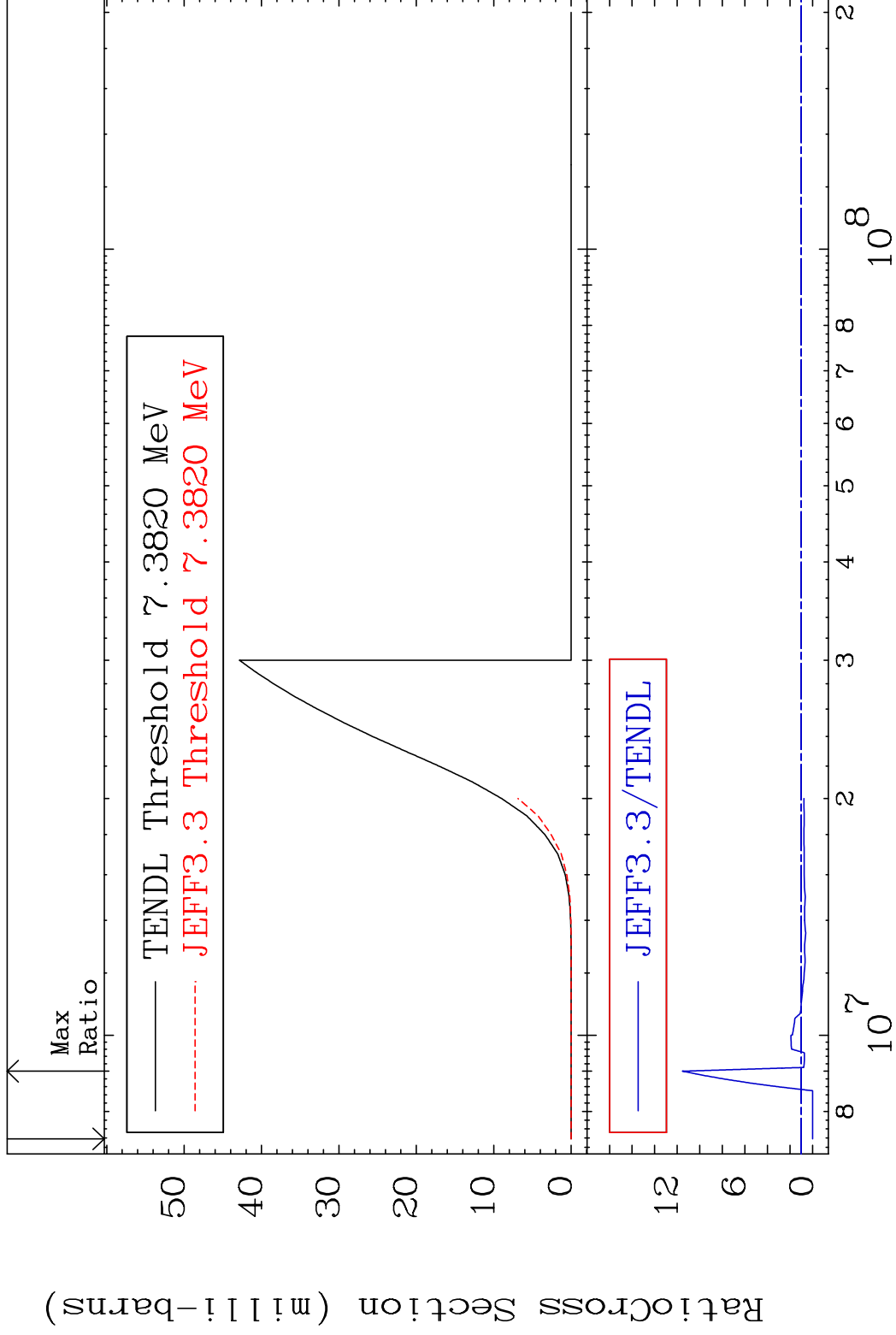
72-Hf-178

MAT 7237

(n, n') p

72-Hf-178

Cross Section -100.0 To 1054. %



9

Incident Energy (eV)

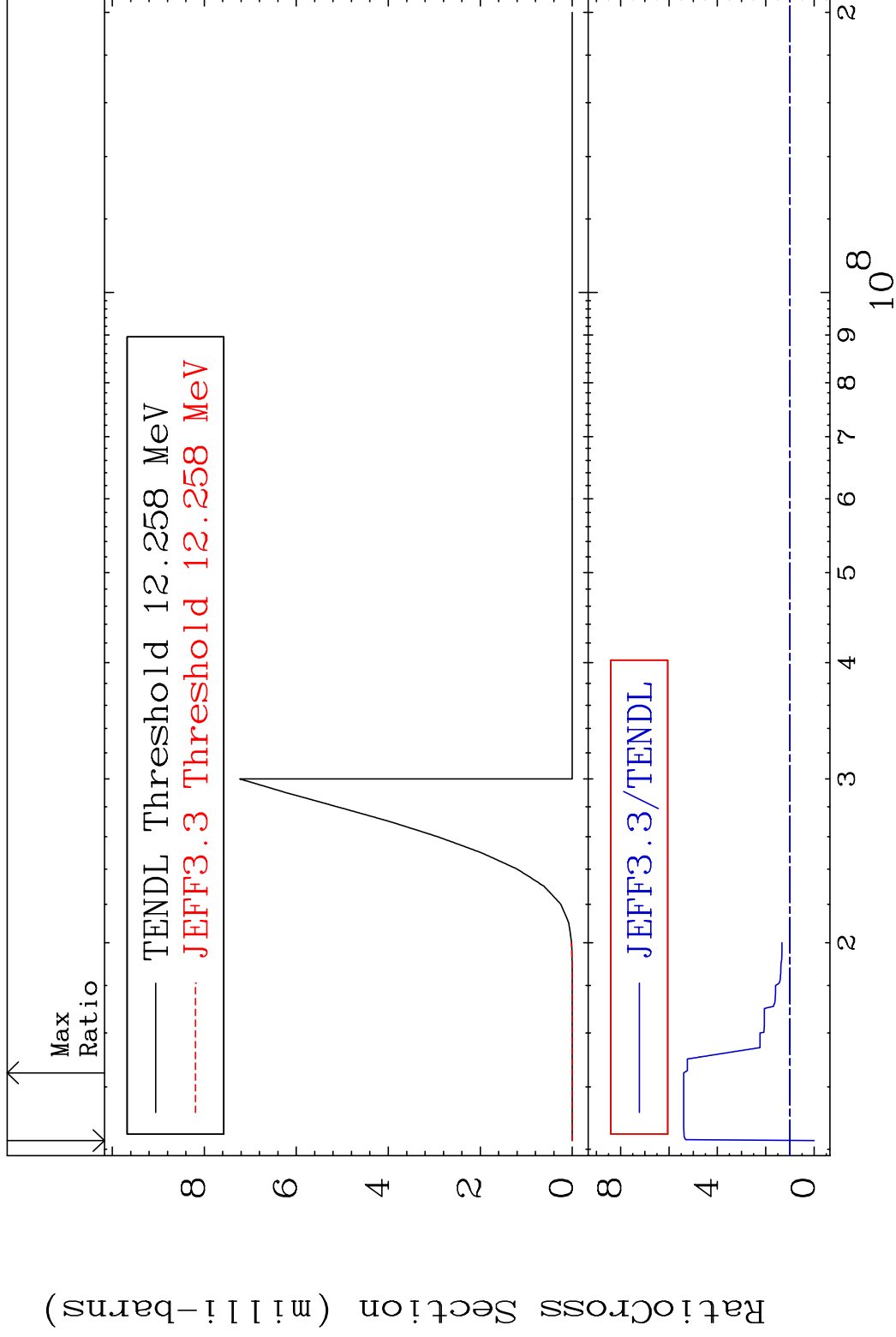
72-Hf-178

MAT 7237

(n, n') d

72-Hf-178

Cross Section -100.0 To 439.5 %

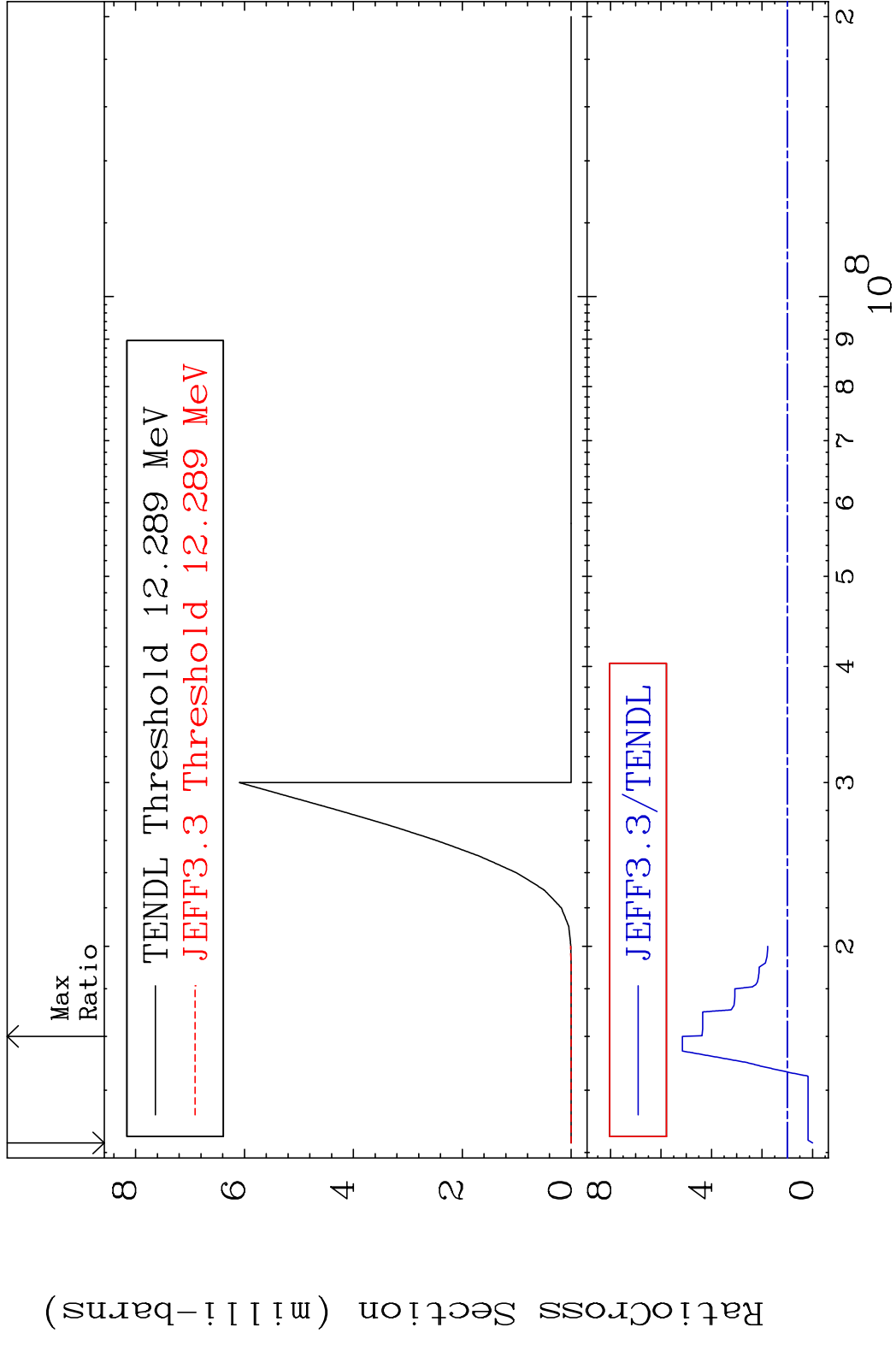


10

Incident Energy (eV)

72-Hf-178

MAT 7237 (n, n') t 72-Hf-178  
 Cross Section -100.0 To 415.5 %

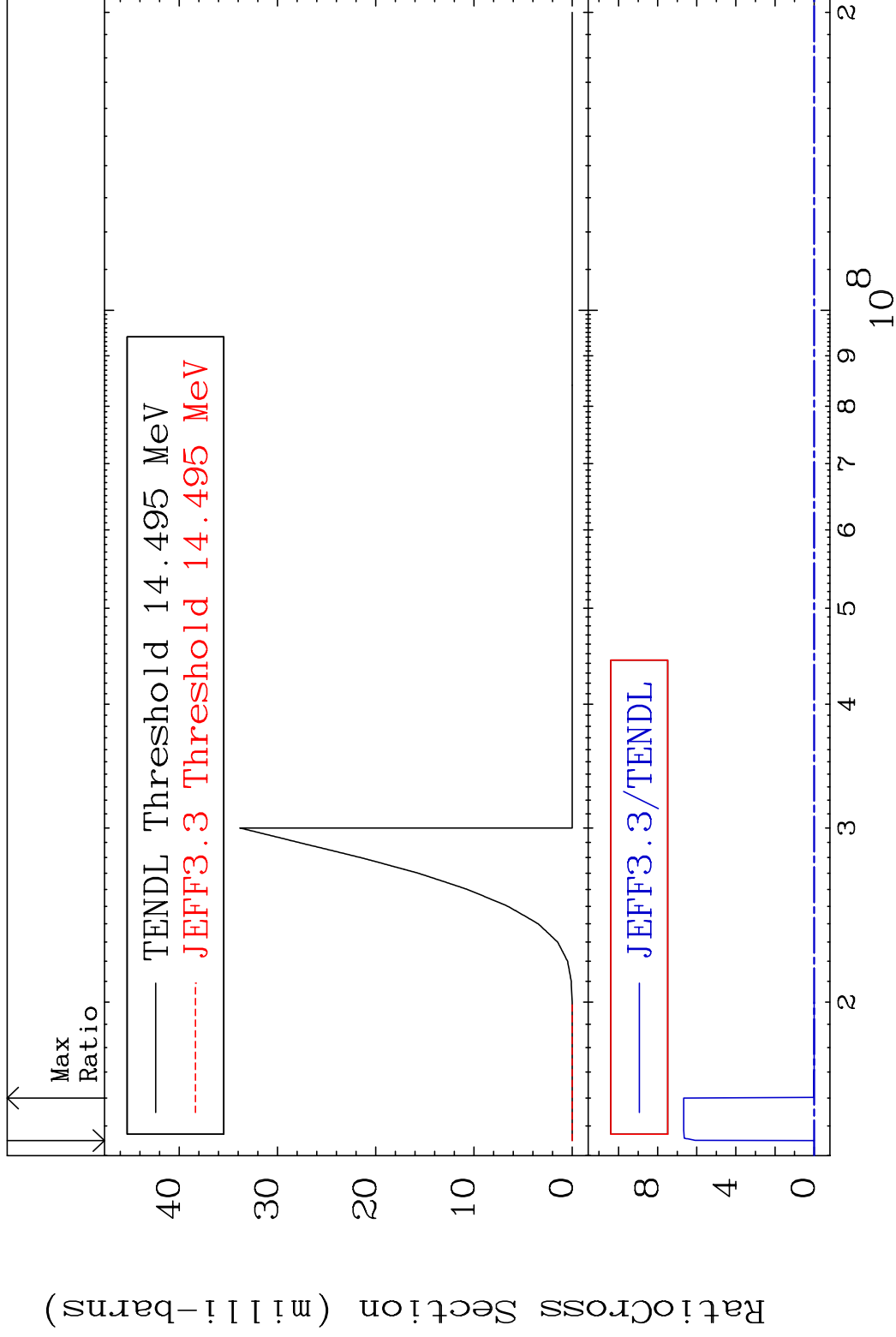


MAT 7237

(n,2n) p

72-Hf-178

Cross Section -100.0 To 9999. %

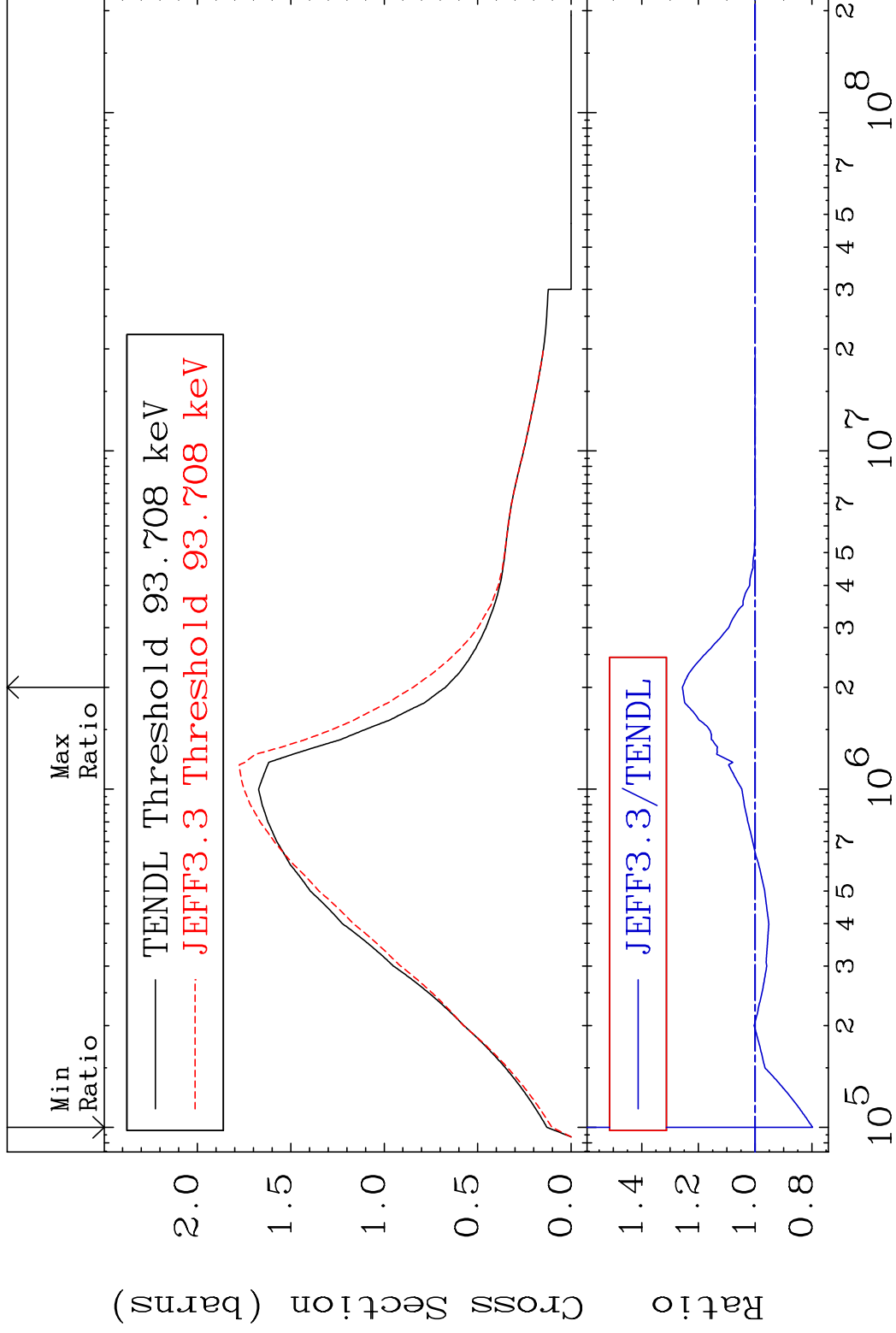


MAT 7237

MT= 51 (n, n') Level

72-Hf-178

Cross Section -20.22 To 25.67 %



13

Incident Energy (eV)

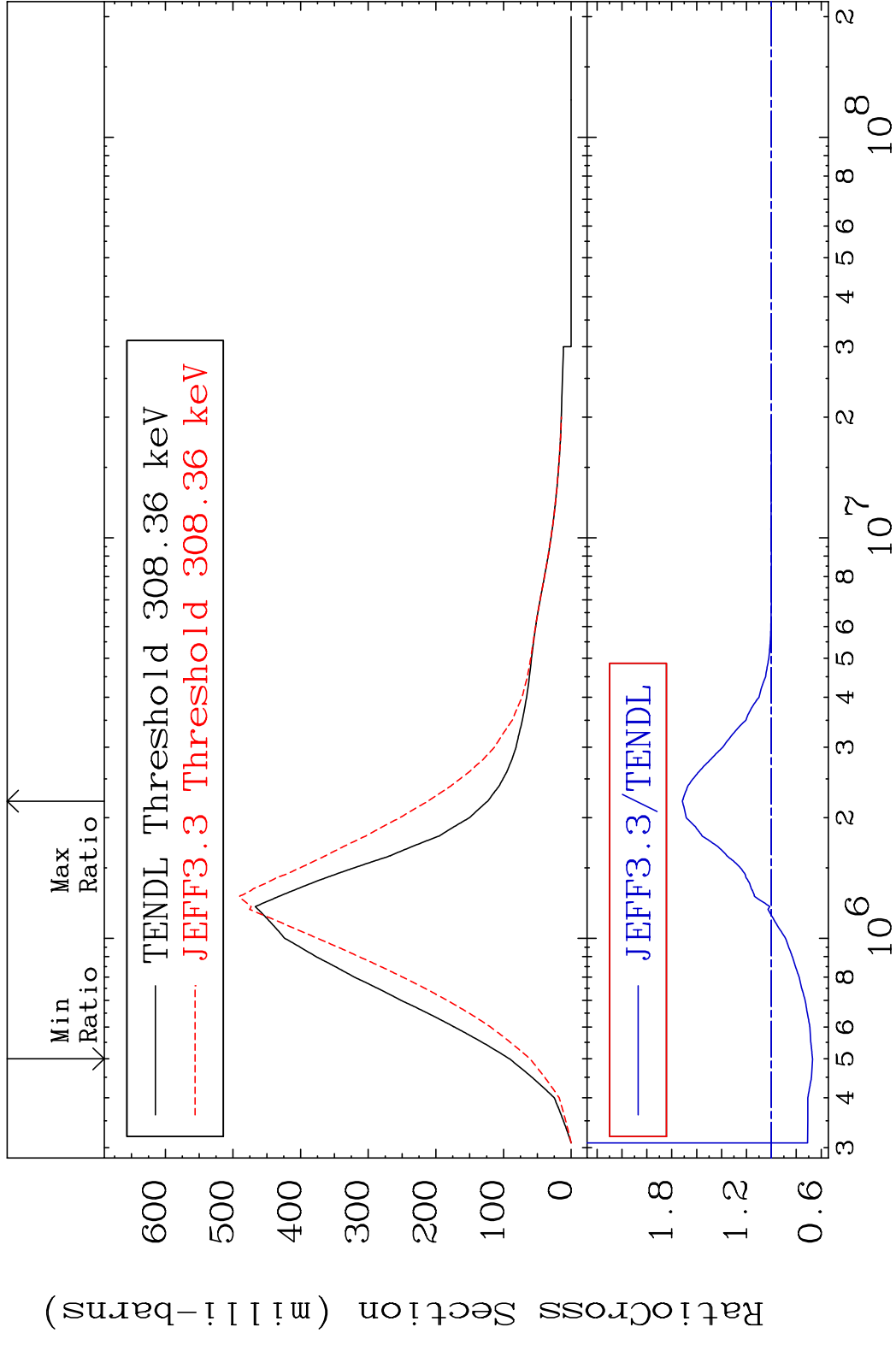
72-Hf-178

MAT 7237

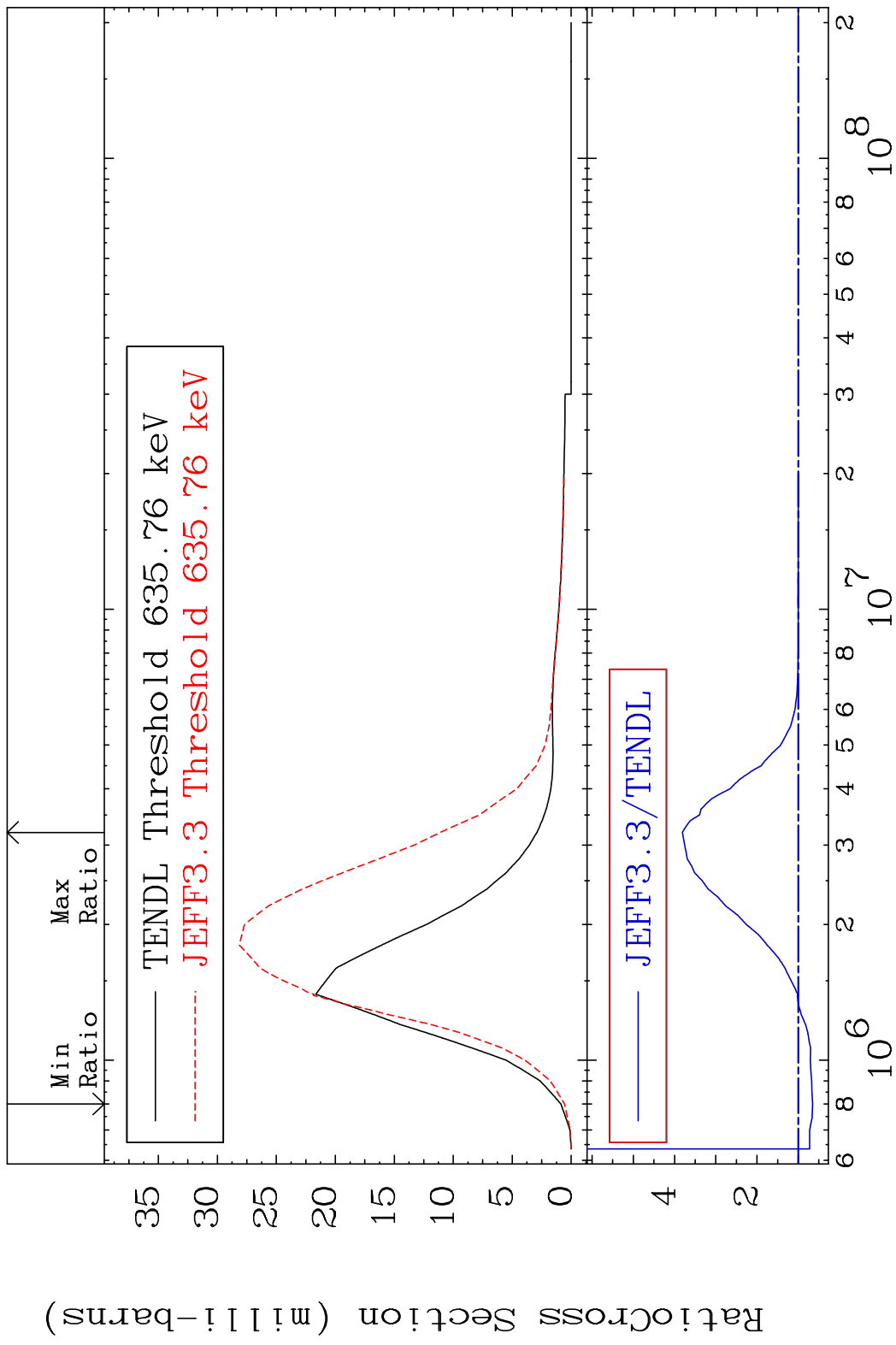
MT= 52 (n, n') Level

72-Hf-178

Cross Section -33.08 To 71.49 %



MAT 7237 MT= 53 (n,n') Level 72-Hf-178  
 Cross Section -34.76 To 281.0 %

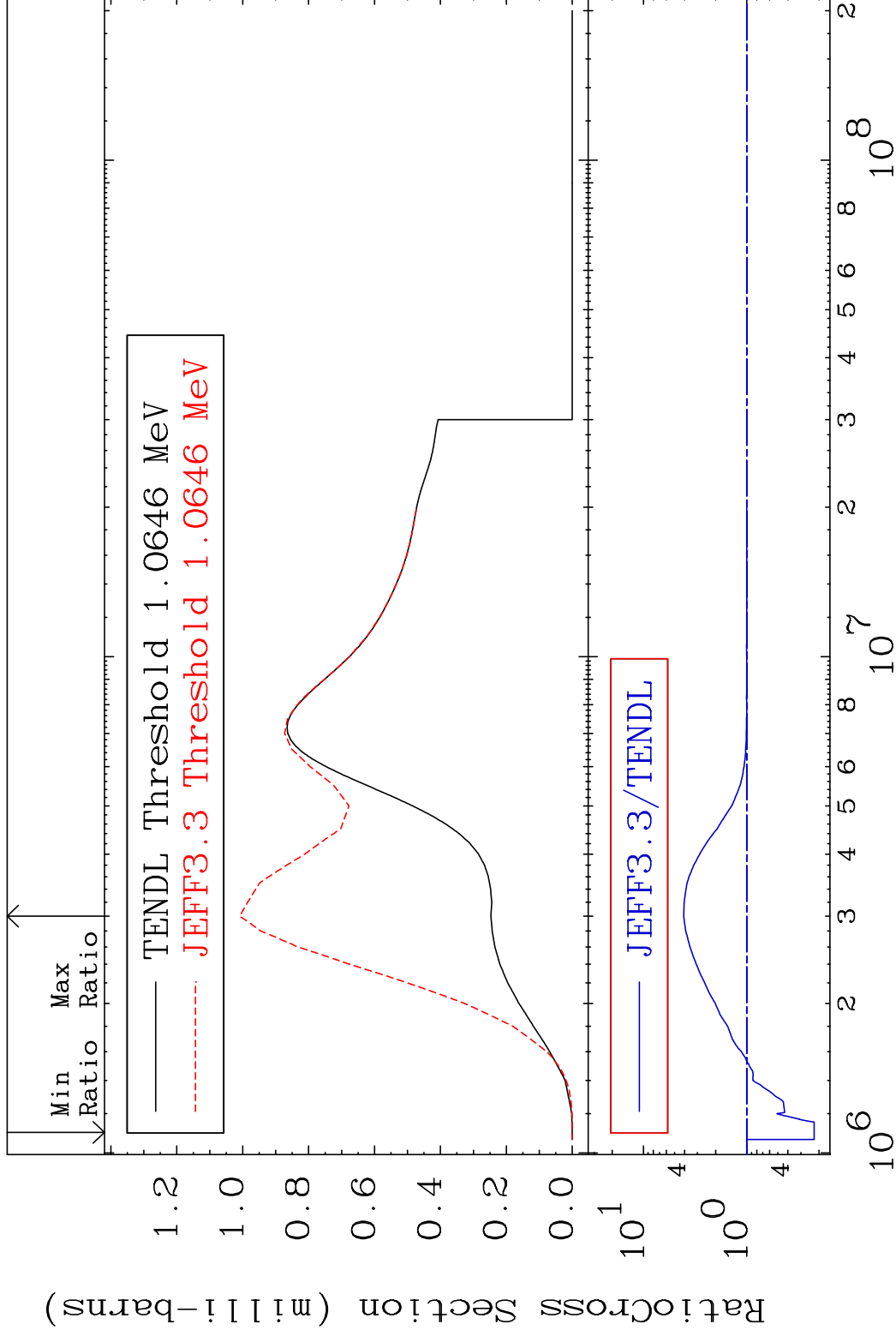


MAT 7237

MT= 54 (n,n') Level

72-Hf-178

Cross Section -77.68 To 307.9 %

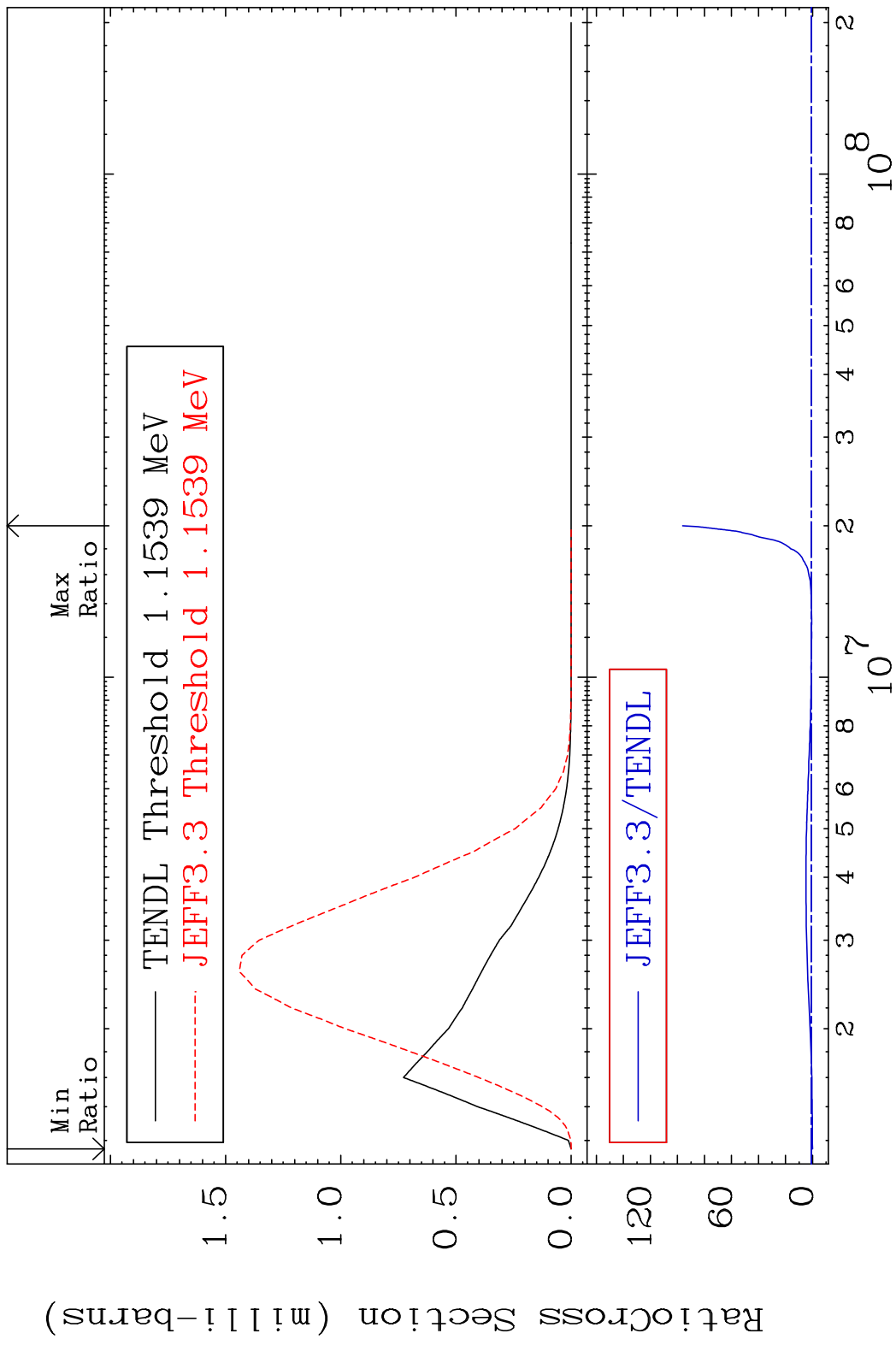


16

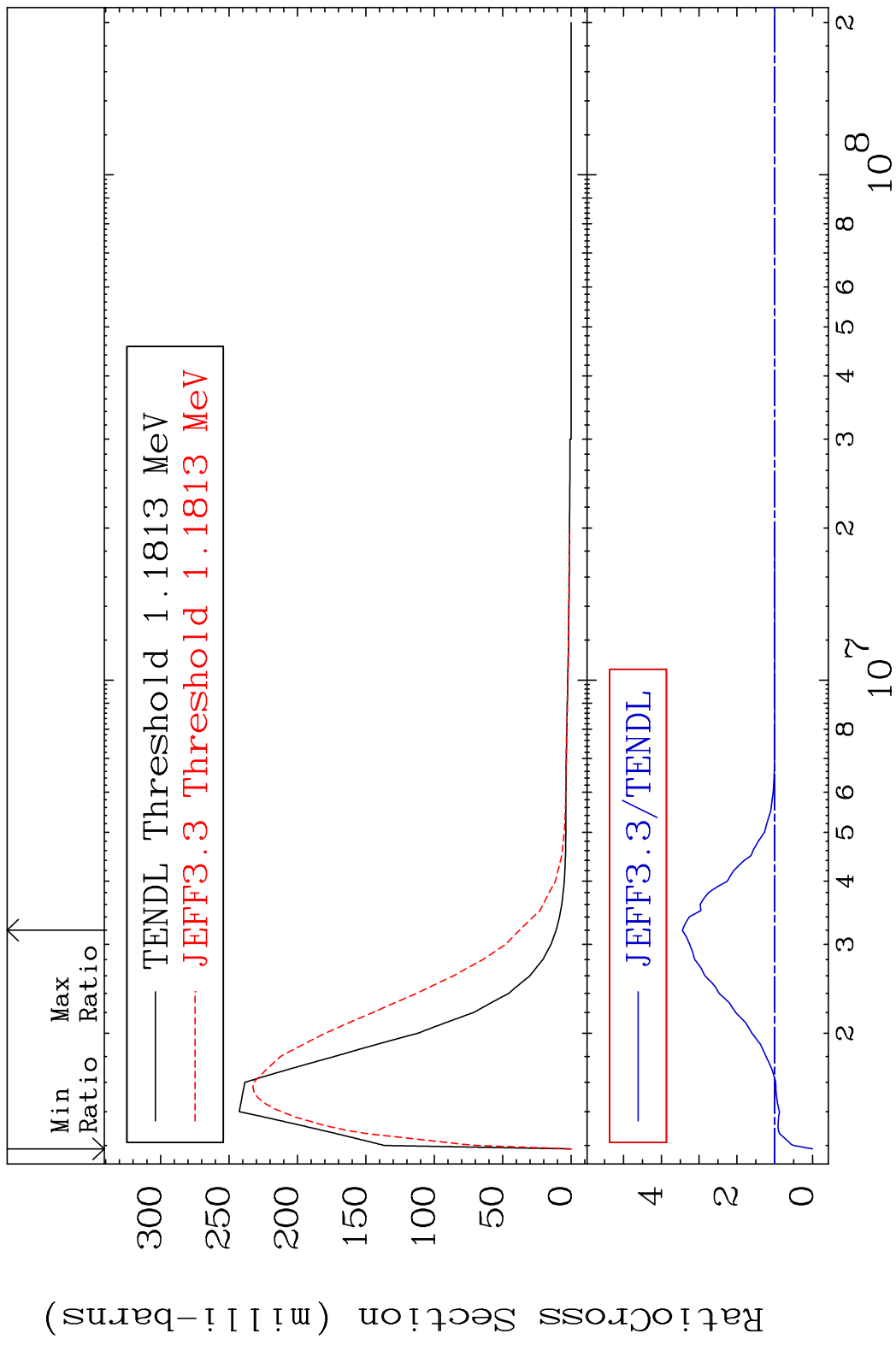
Incident Energy (eV)

72-Hf-178

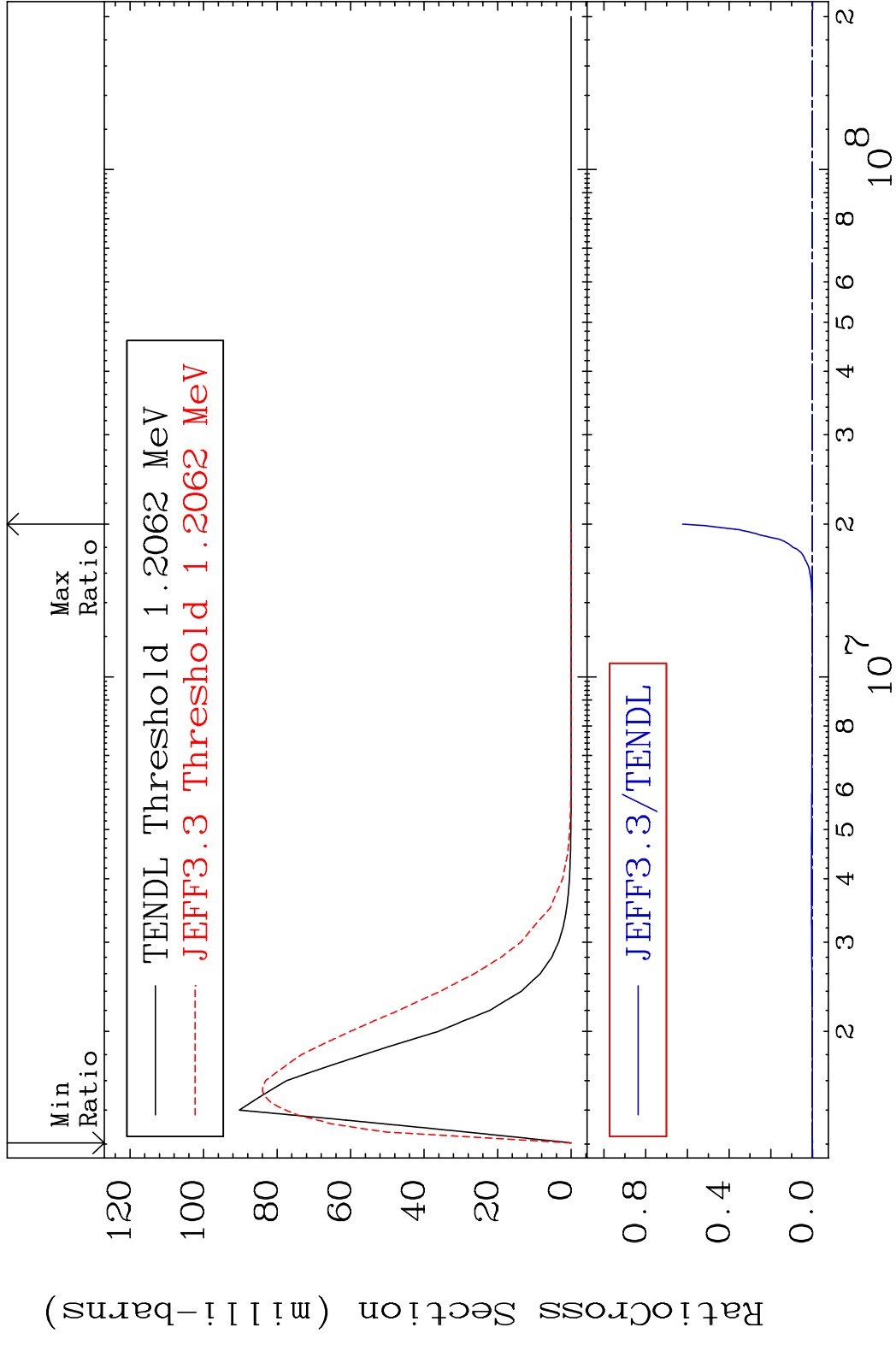
MAT 7237 MT= 55 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9536. %



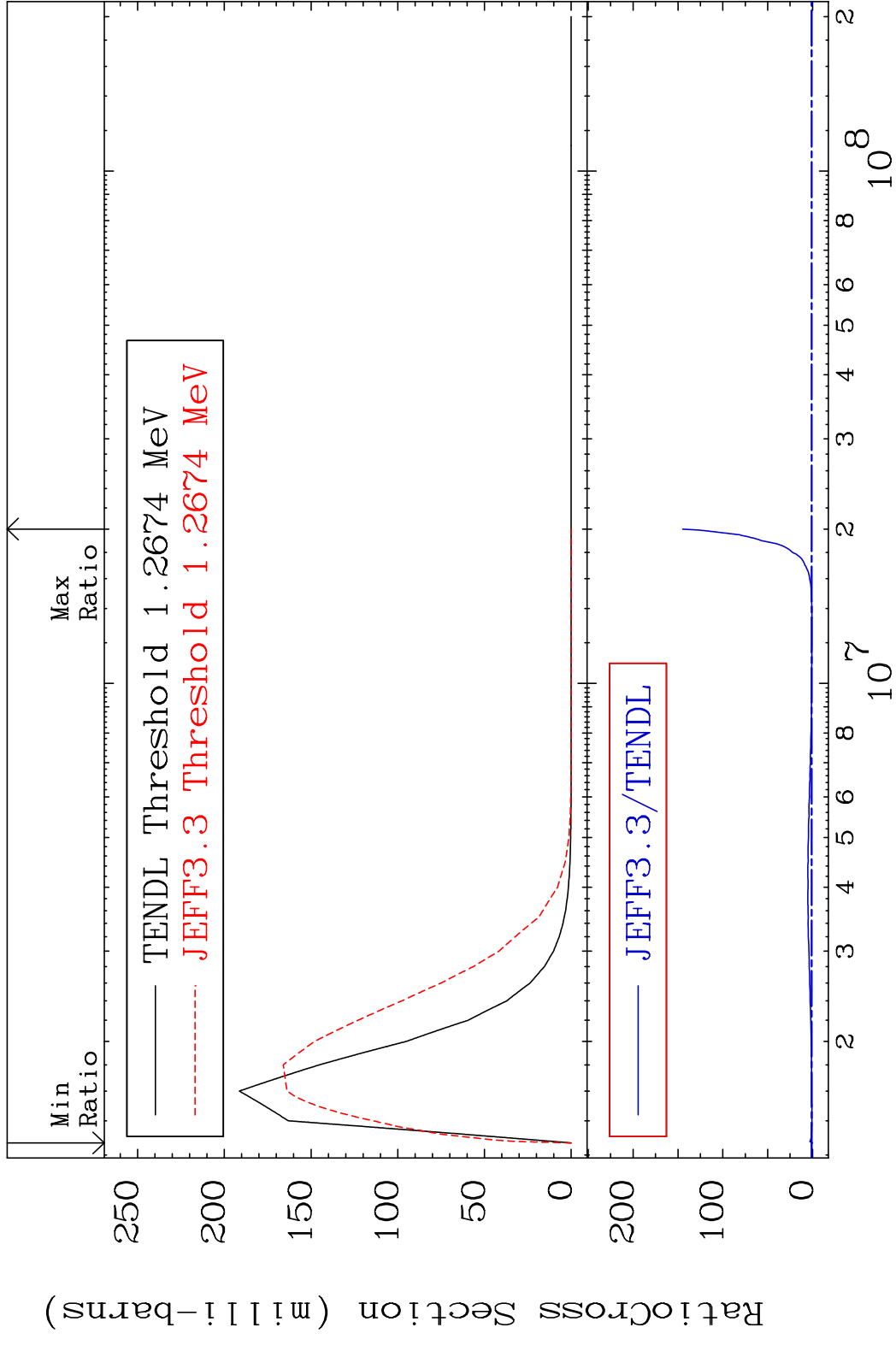
MAT 7237 MT= 56 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To 244.4 %



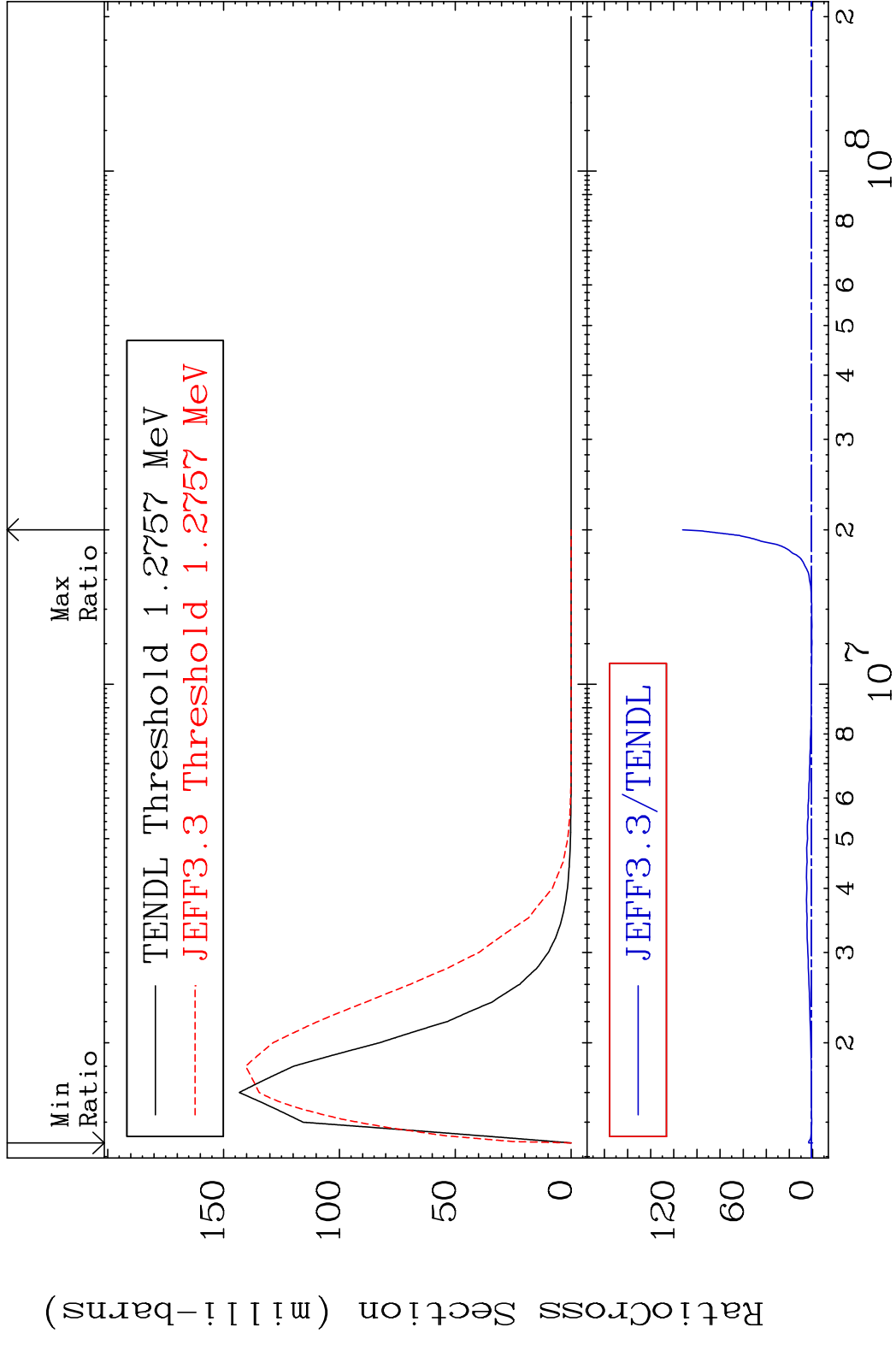
MAT 7237 MT= 57 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



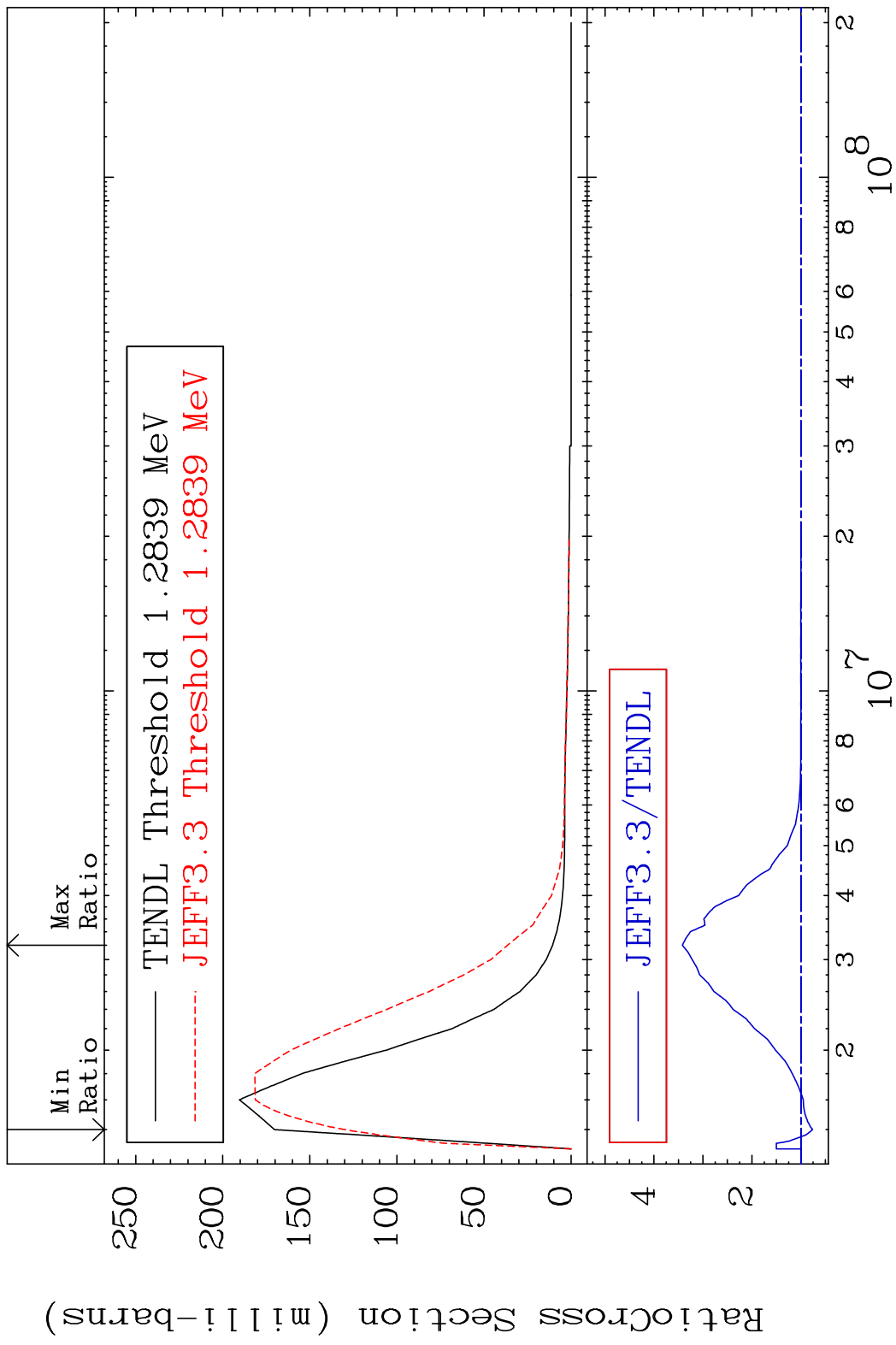
MAT 7237 MT= 58 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



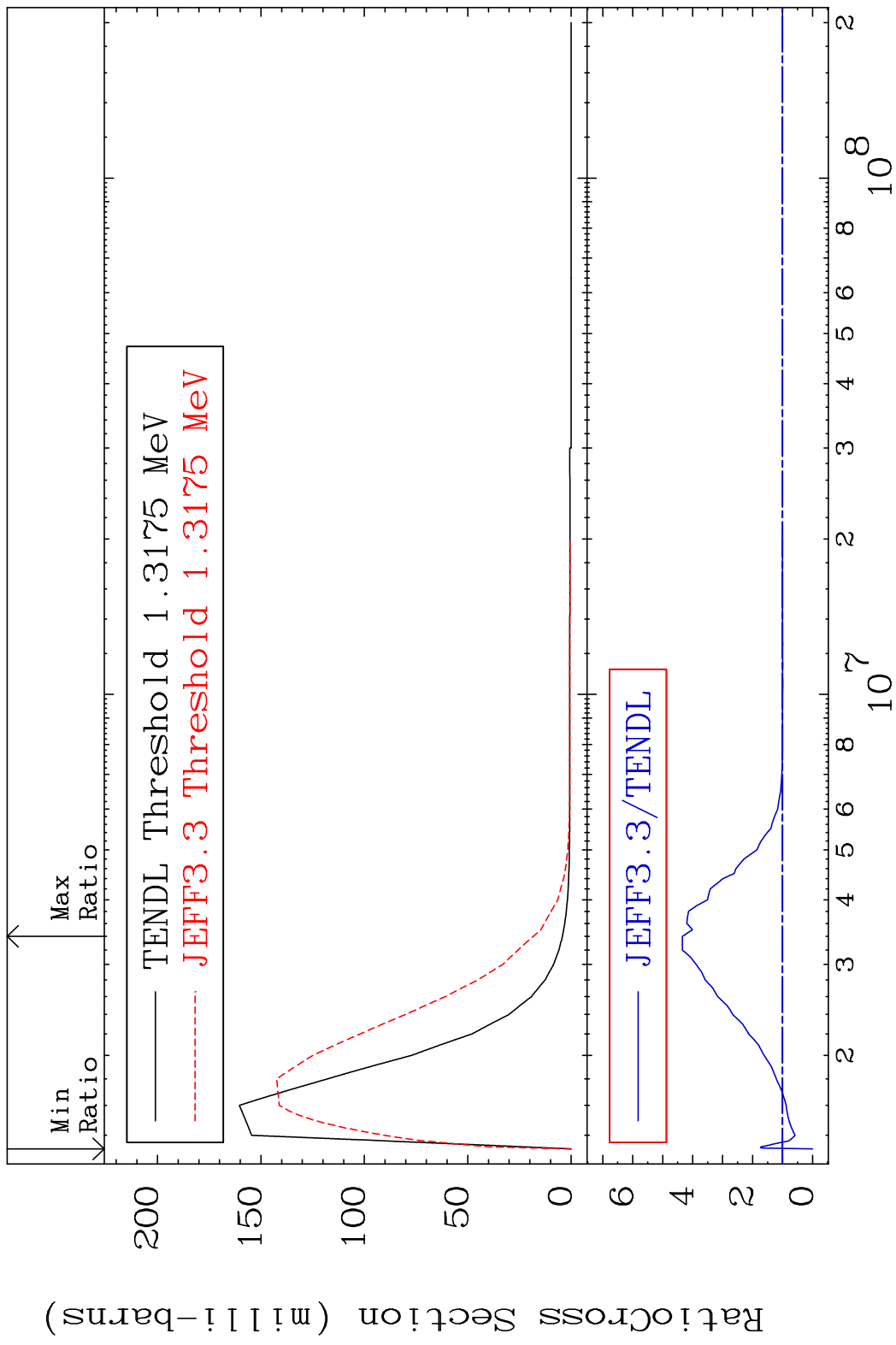
MAT 7237 MT= 59 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9999. %



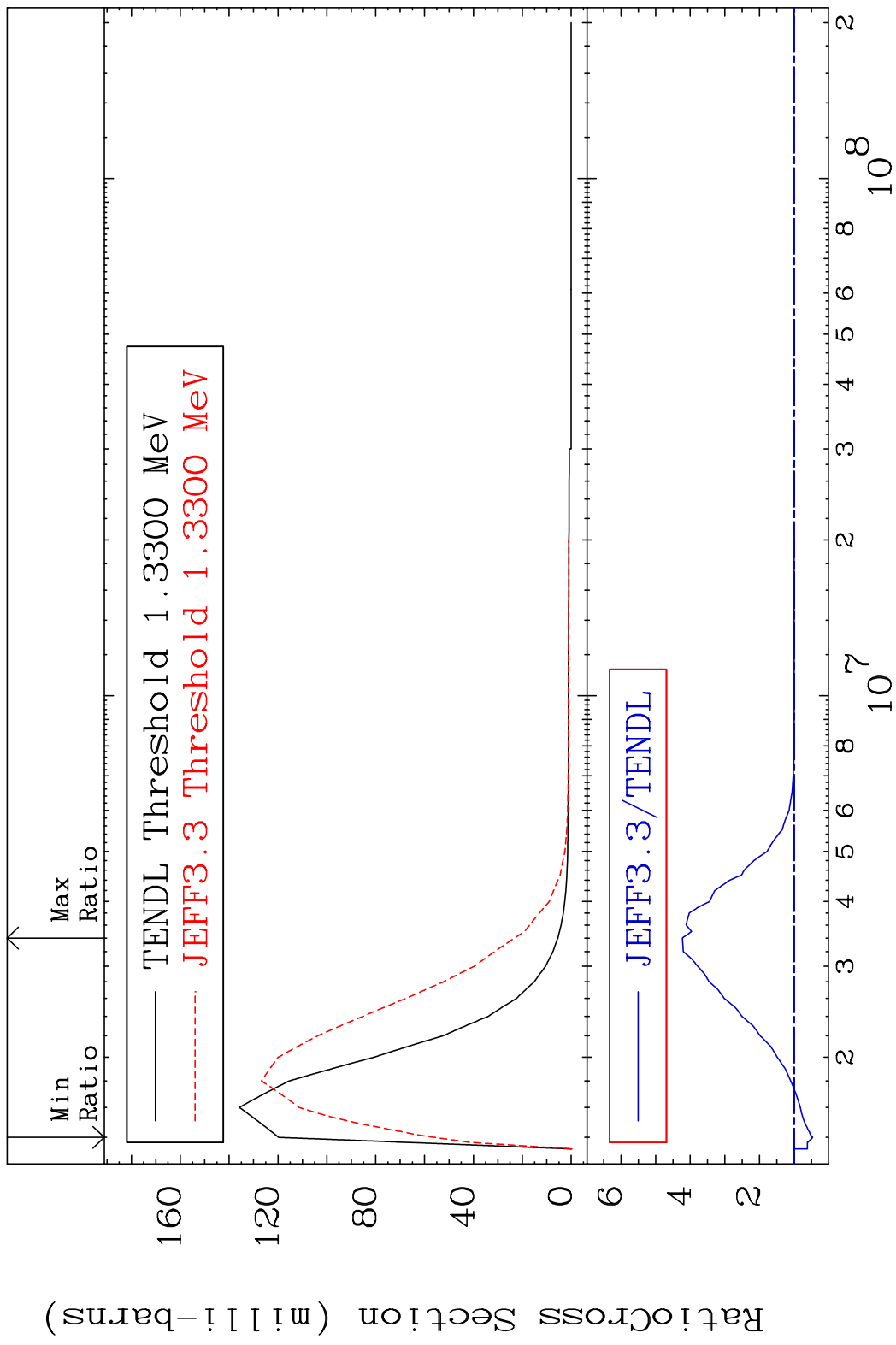
MAT 7237 MT= 60 (n, n') Level 72-Hf-178  
 Cross Section -23.85 To 242.0 %



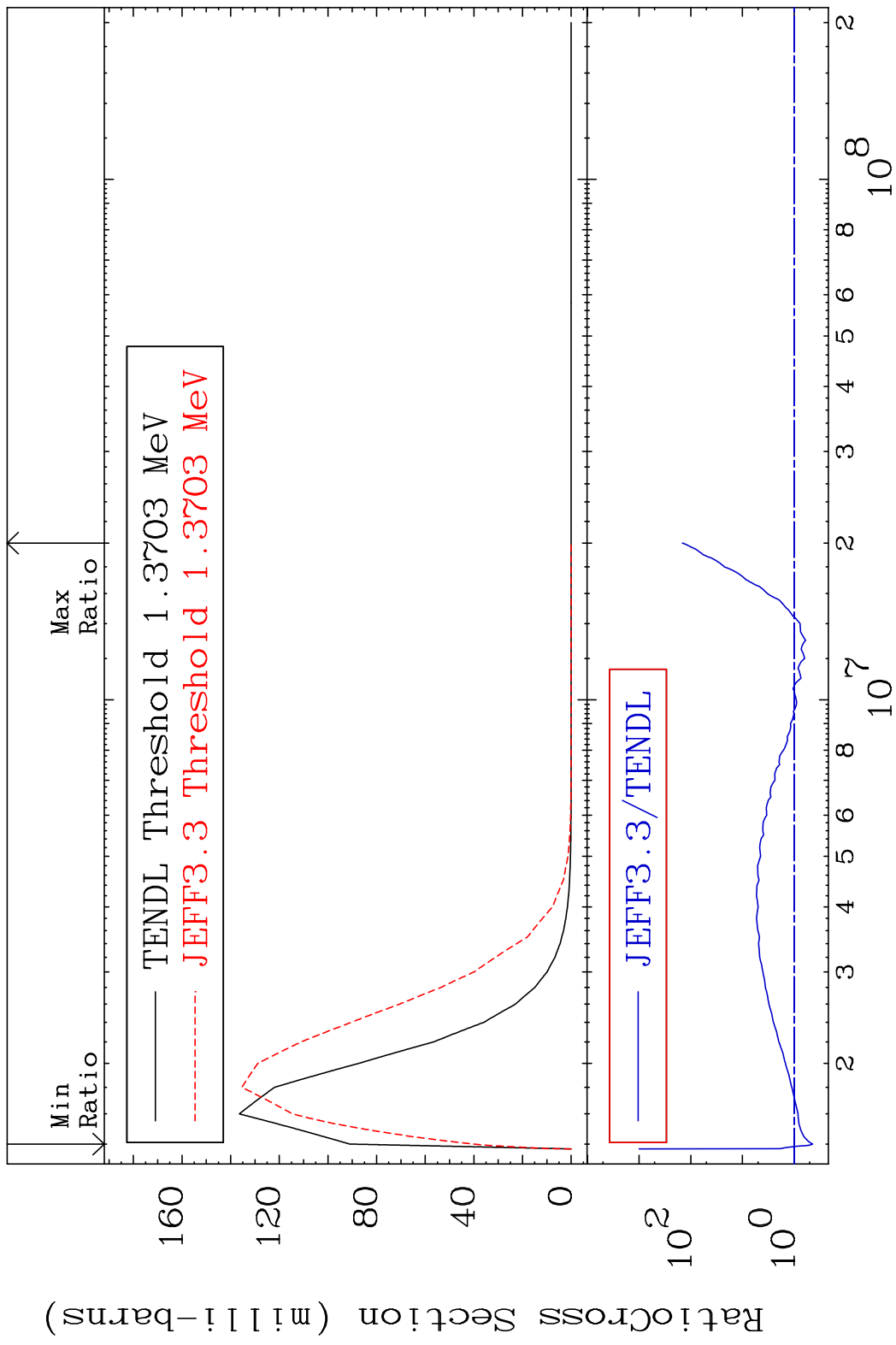
MAT 7237 MT= 61 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 334.4 %



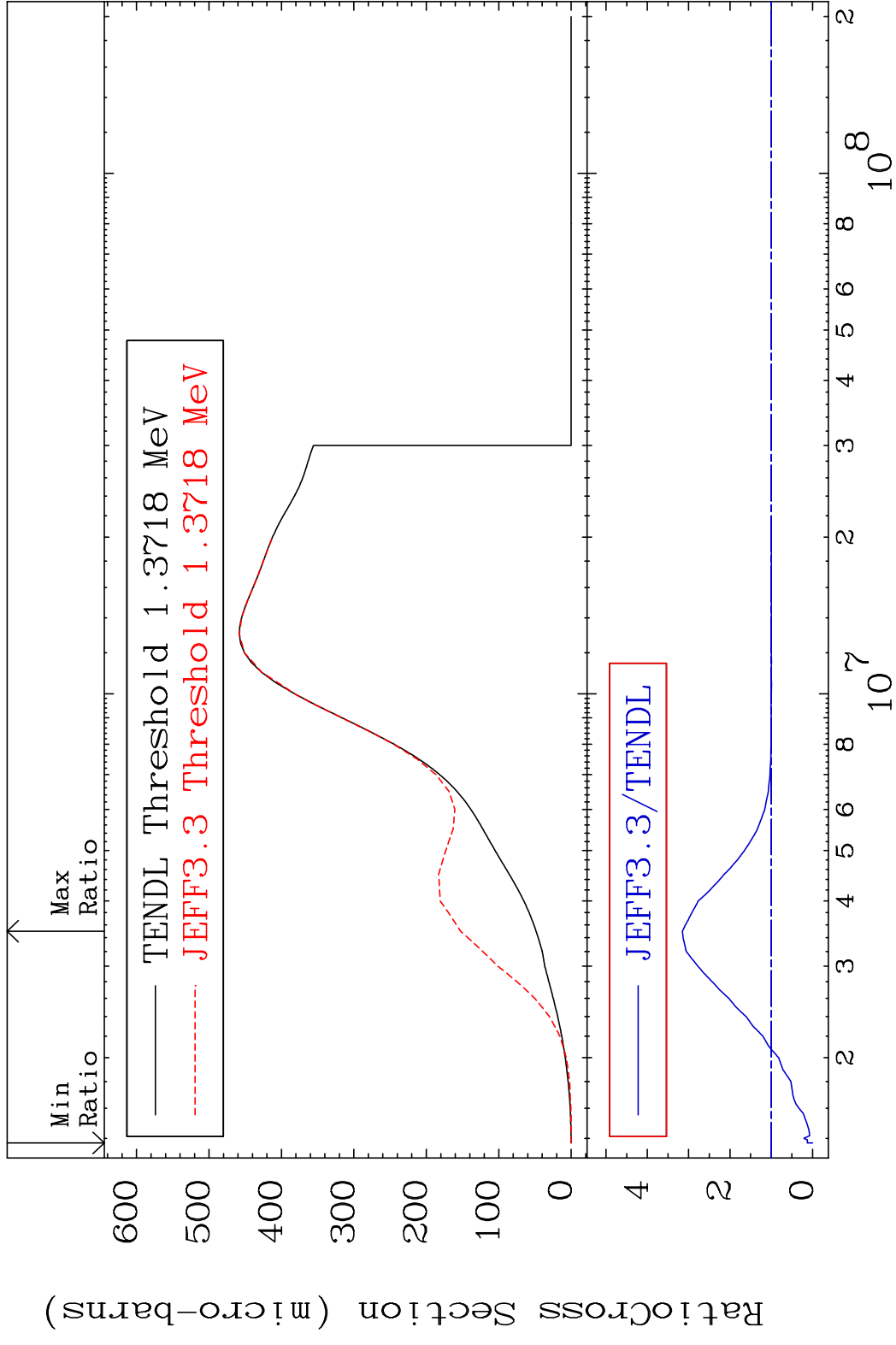
MAT 7237 MT= 62 (n,n') Level 72-Hf-178  
 Cross Section -53.36 To 322.8 %



MAT 7237 MT= 63 (n, n') Level 72-Hf-178  
 Cross Section -56.05 To 9999. %



MAT 7237 MT= 64 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 215.2 %

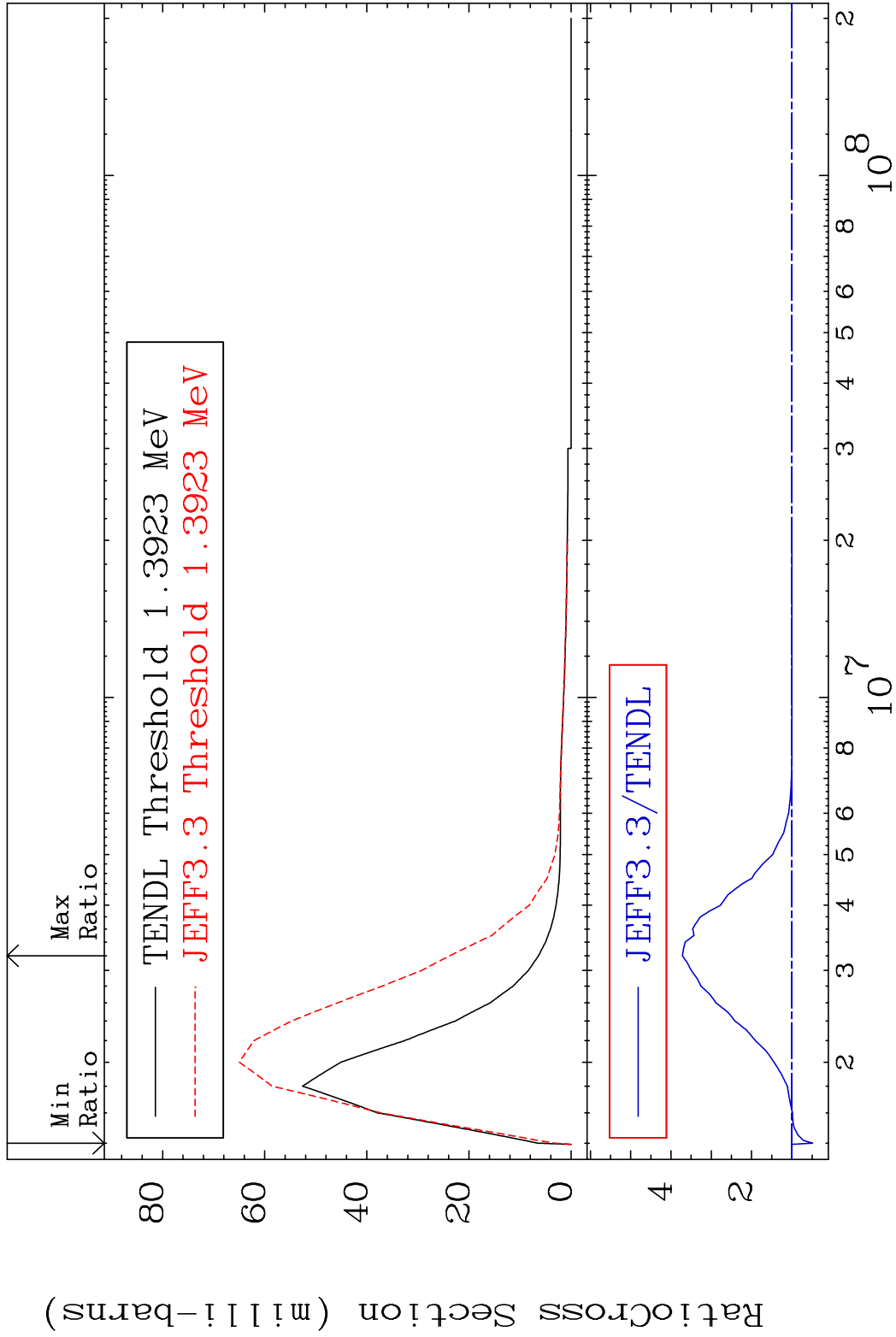


MAT 7237

MT= 65 (n,n') Level

72-Hf-178

Cross Section -51.28 To 271.8 %

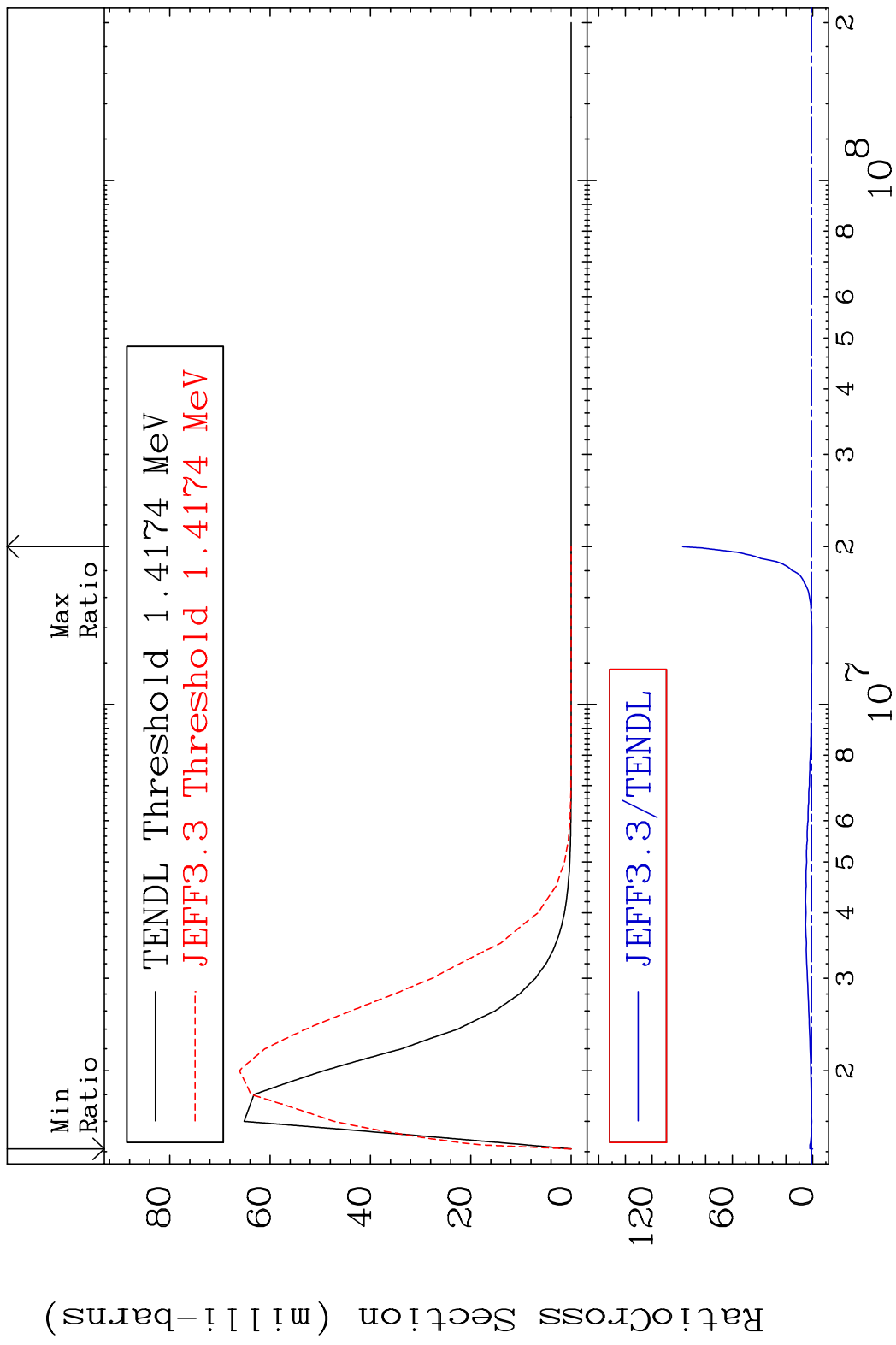


27

Incident Energy (eV)

72-Hf-178

MAT 7237 MT= 66 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 9640. %

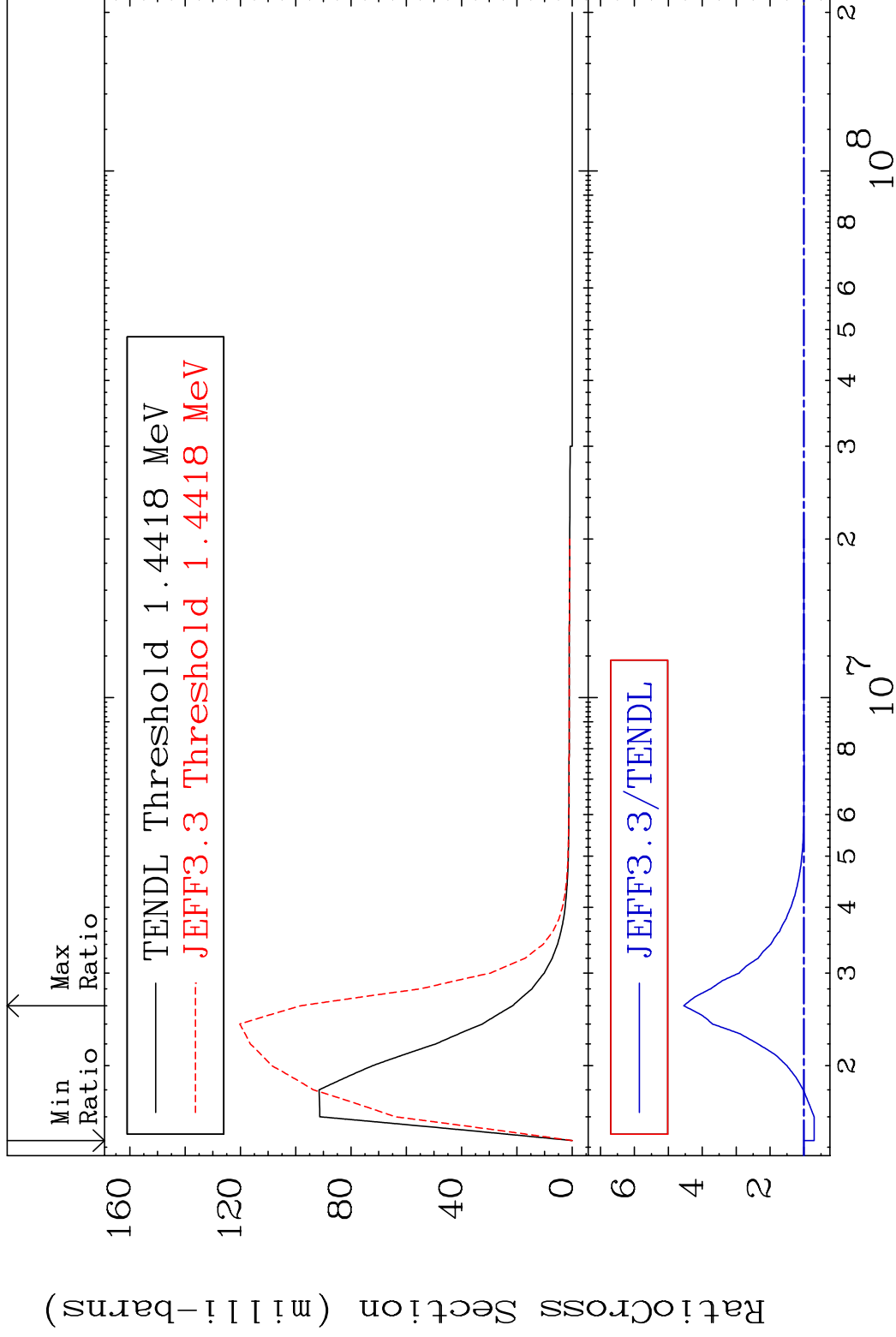


MAT 7237

MT= 67 (n, n') Level

72-Hf-178

Cross Section -29.88 To 354.8 %

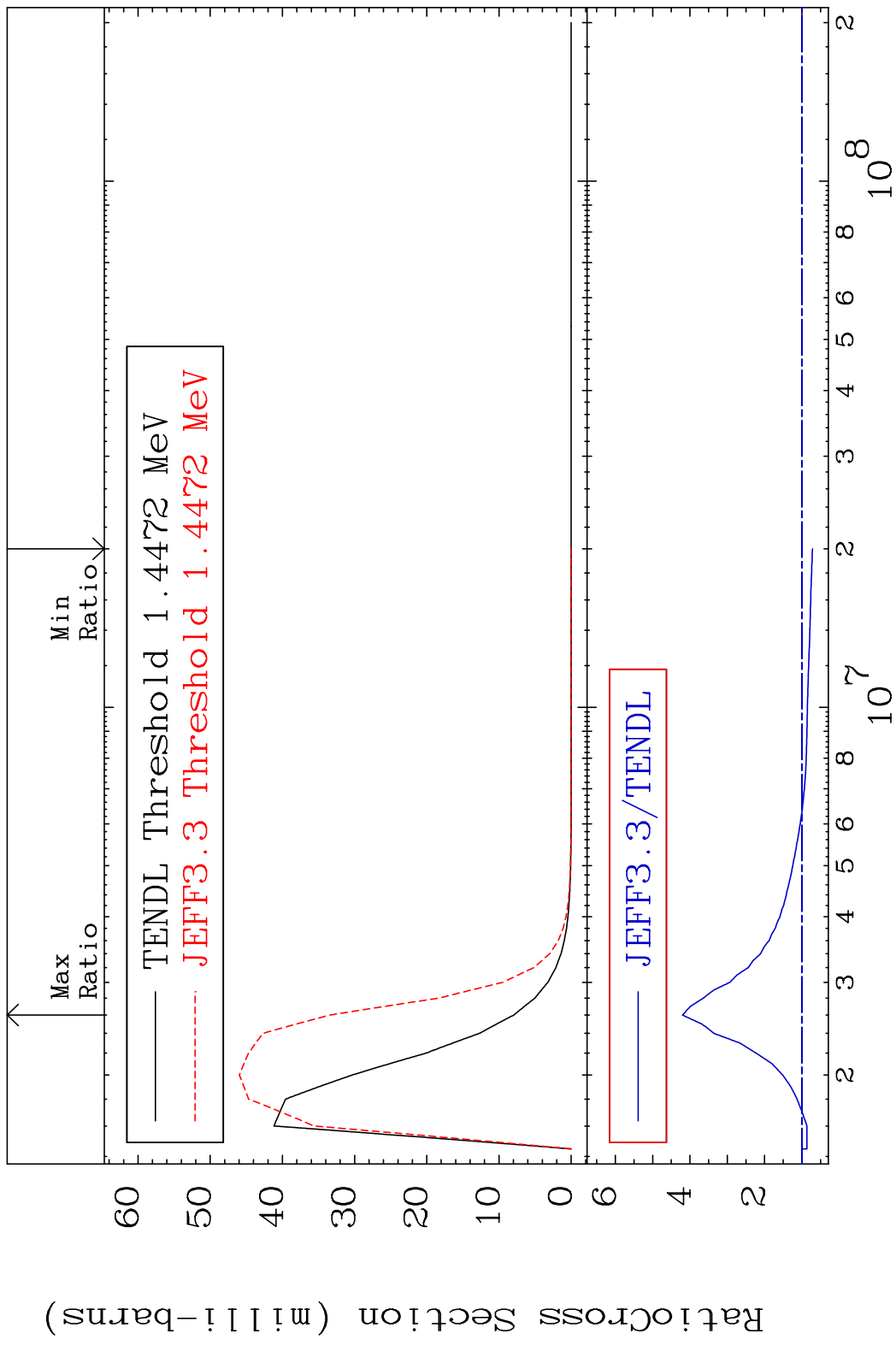


29

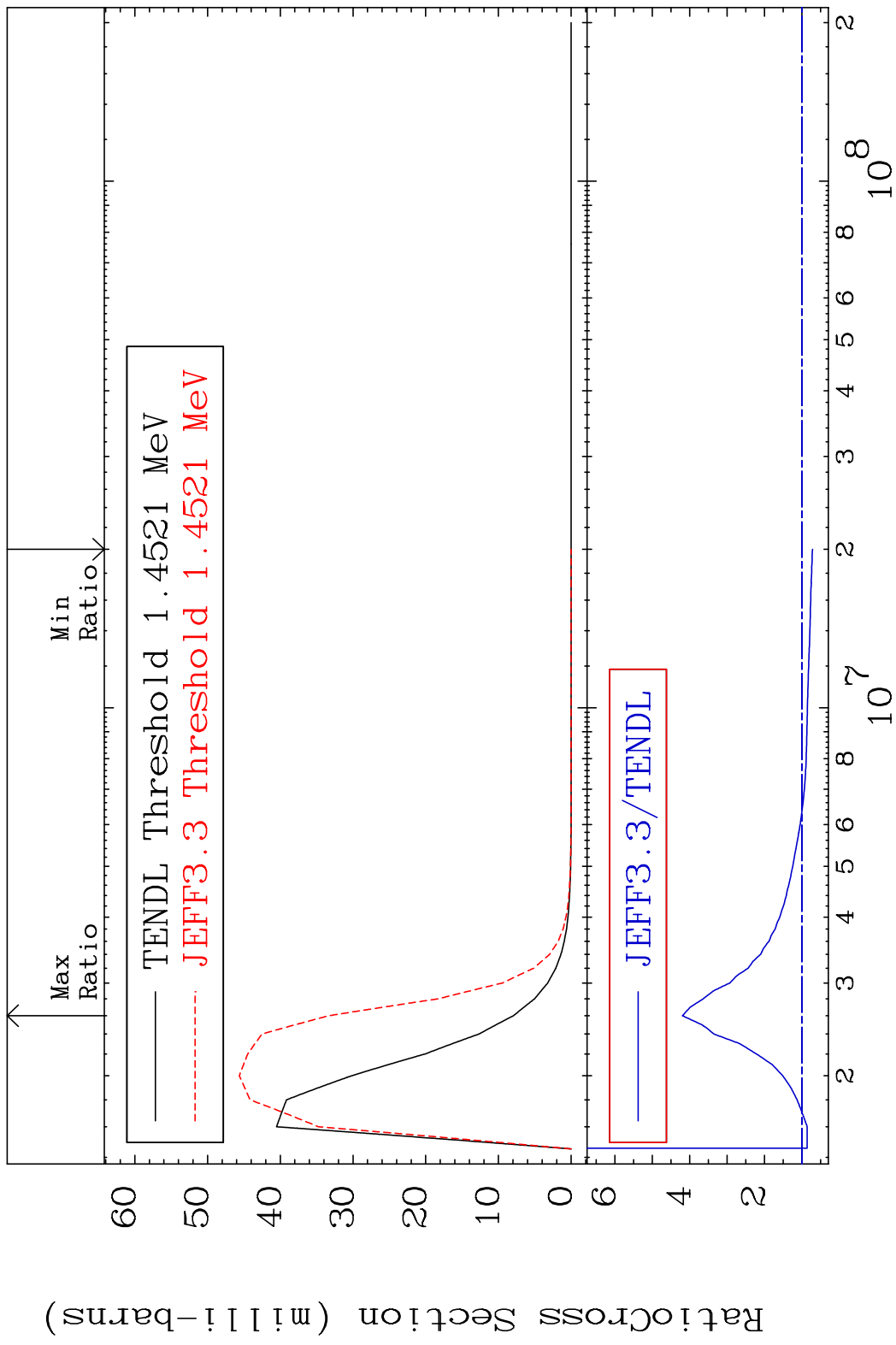
Incident Energy (eV)

72-Hf-178

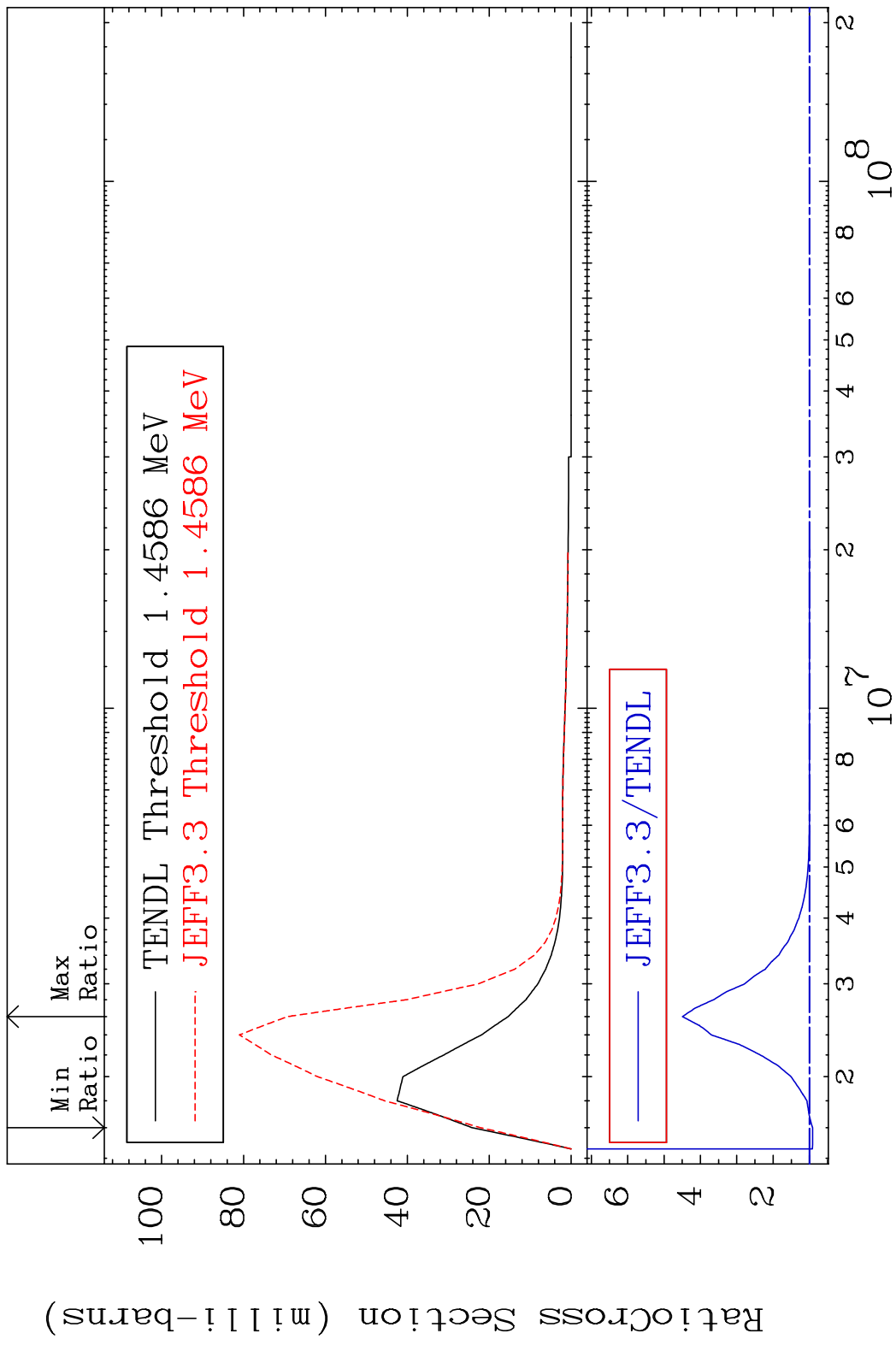
MAT 7237 MT= 68 (n,n') Level 72-Hf-178  
 Cross Section -28.58 To 320.4 %



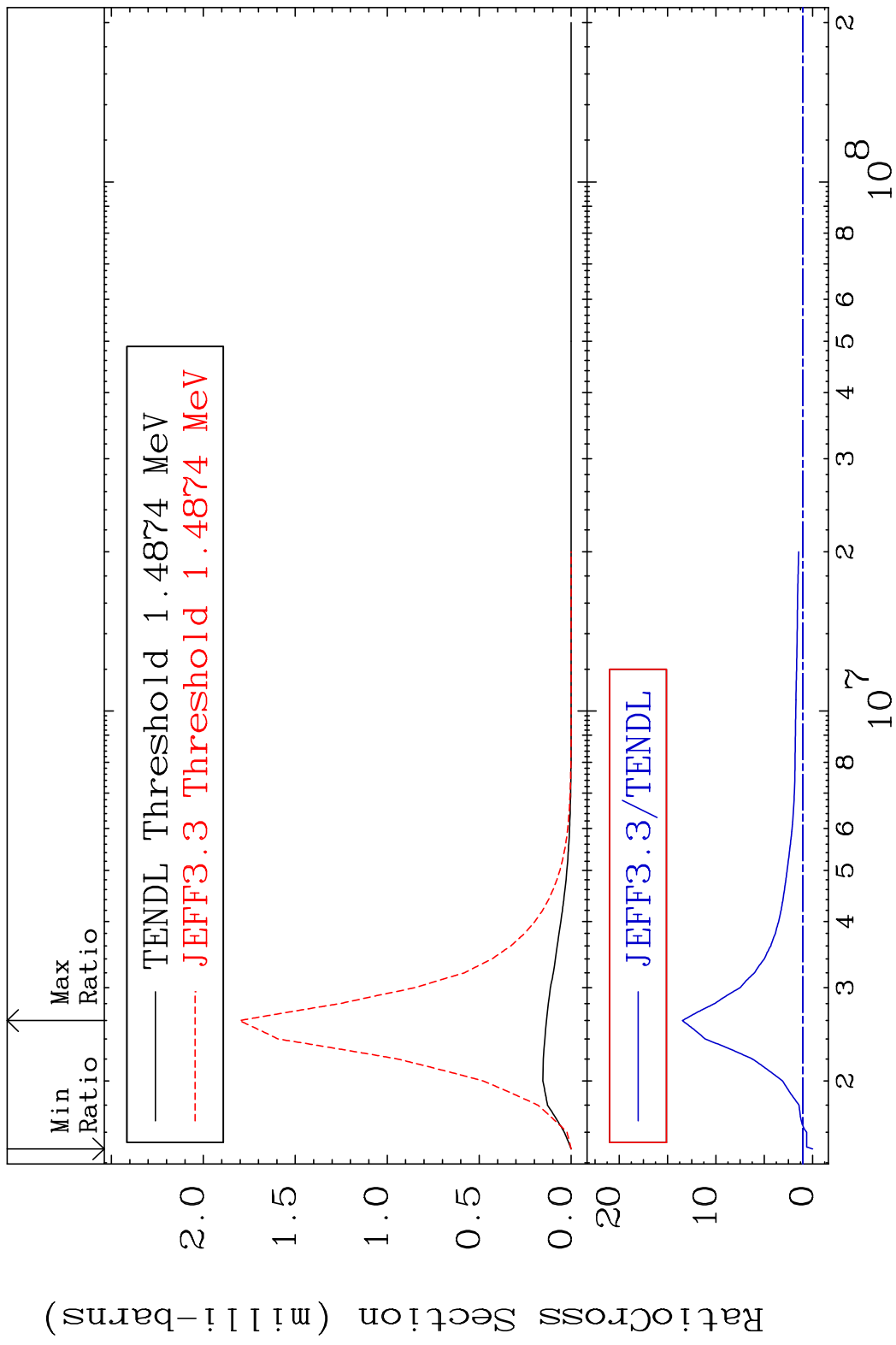
MAT 7237 MT= 69 (n,n') Level 72-Hf-178  
 Cross Section -28.58 To 319.6 %



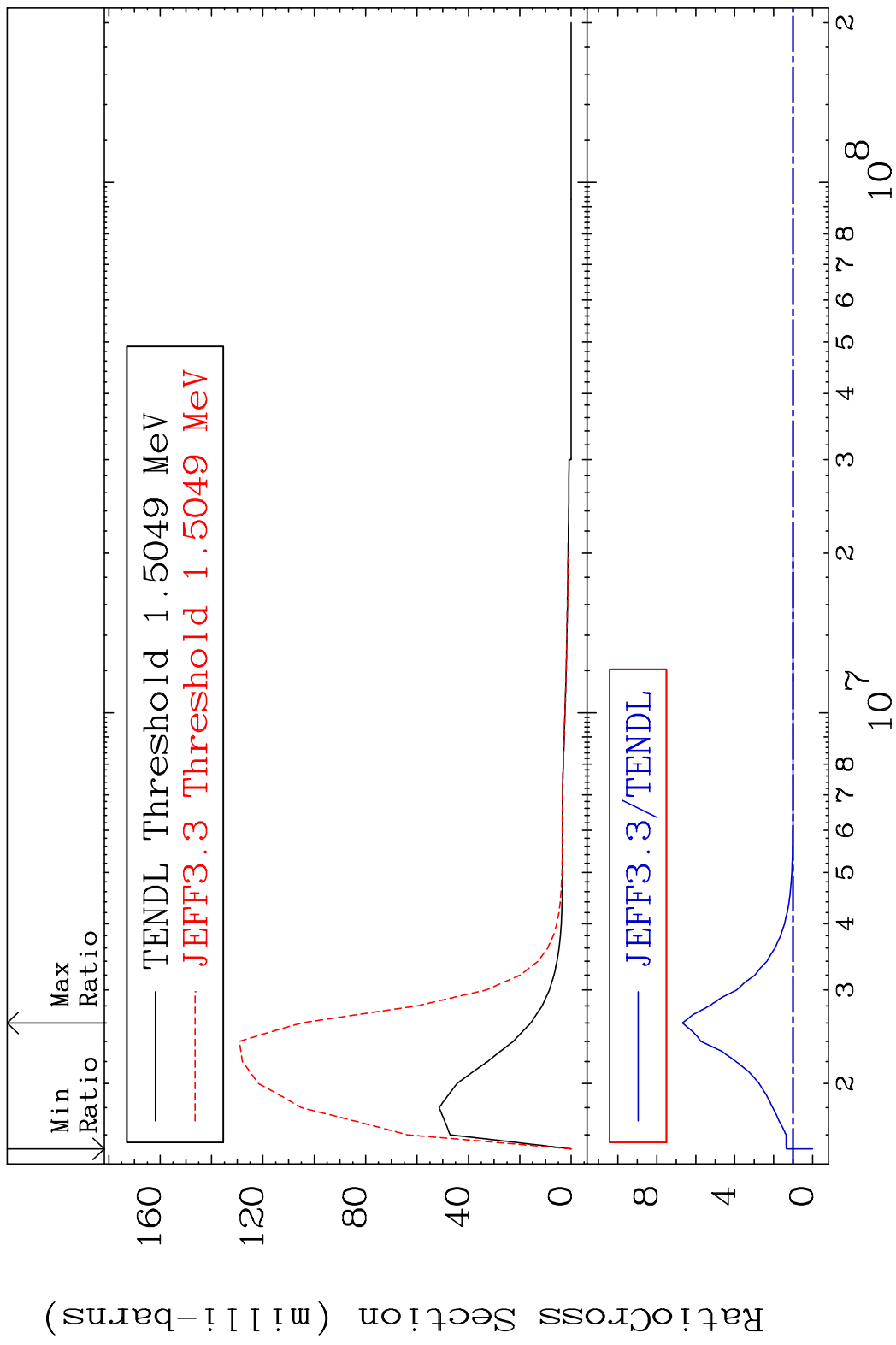
MAT 7237 MT= 70 (n,n') Level 72-Hf-178  
 Cross Section -8.381 To 349.6 %



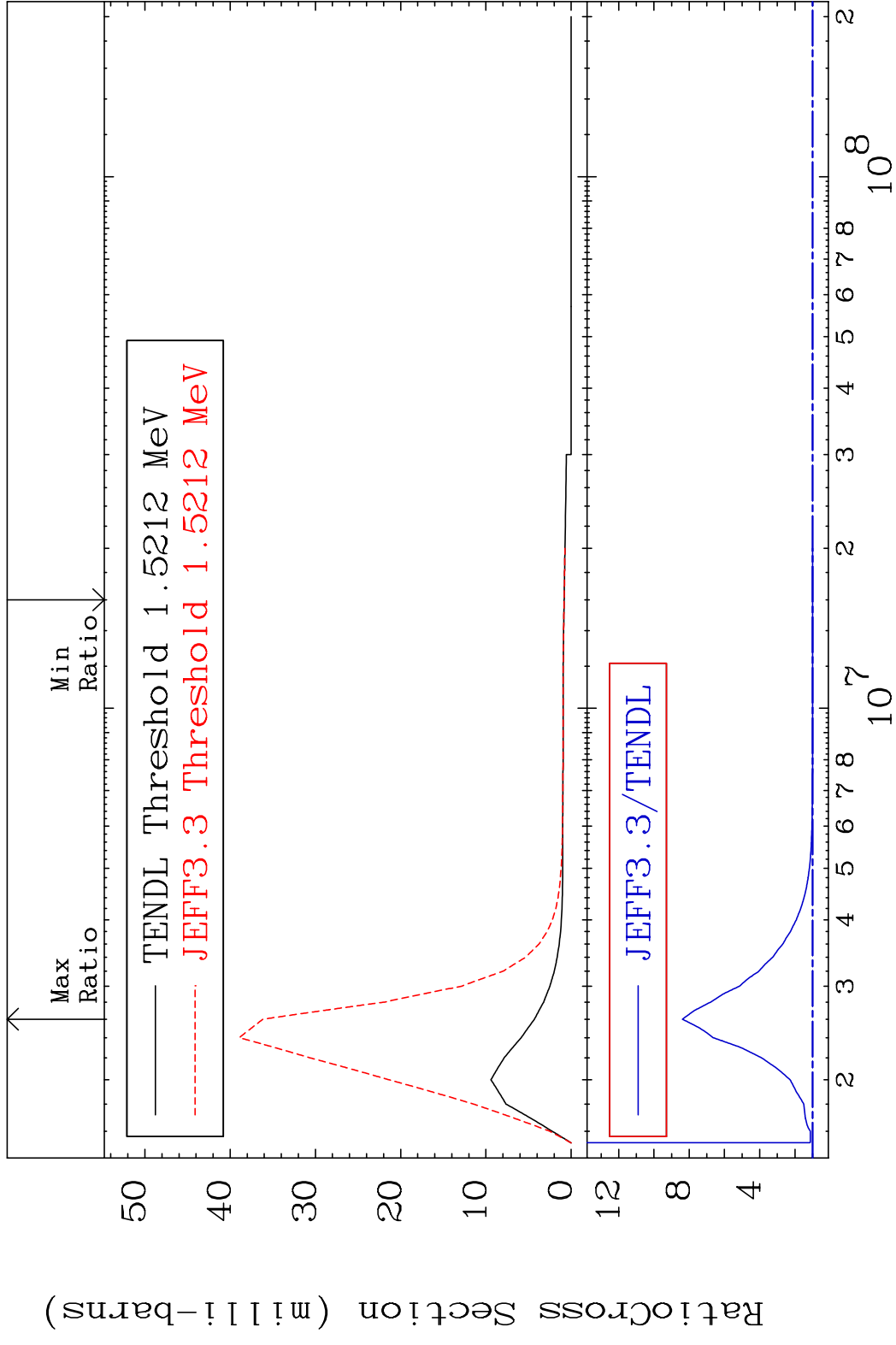
MAT 7237 MT= 71 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To 1247. %



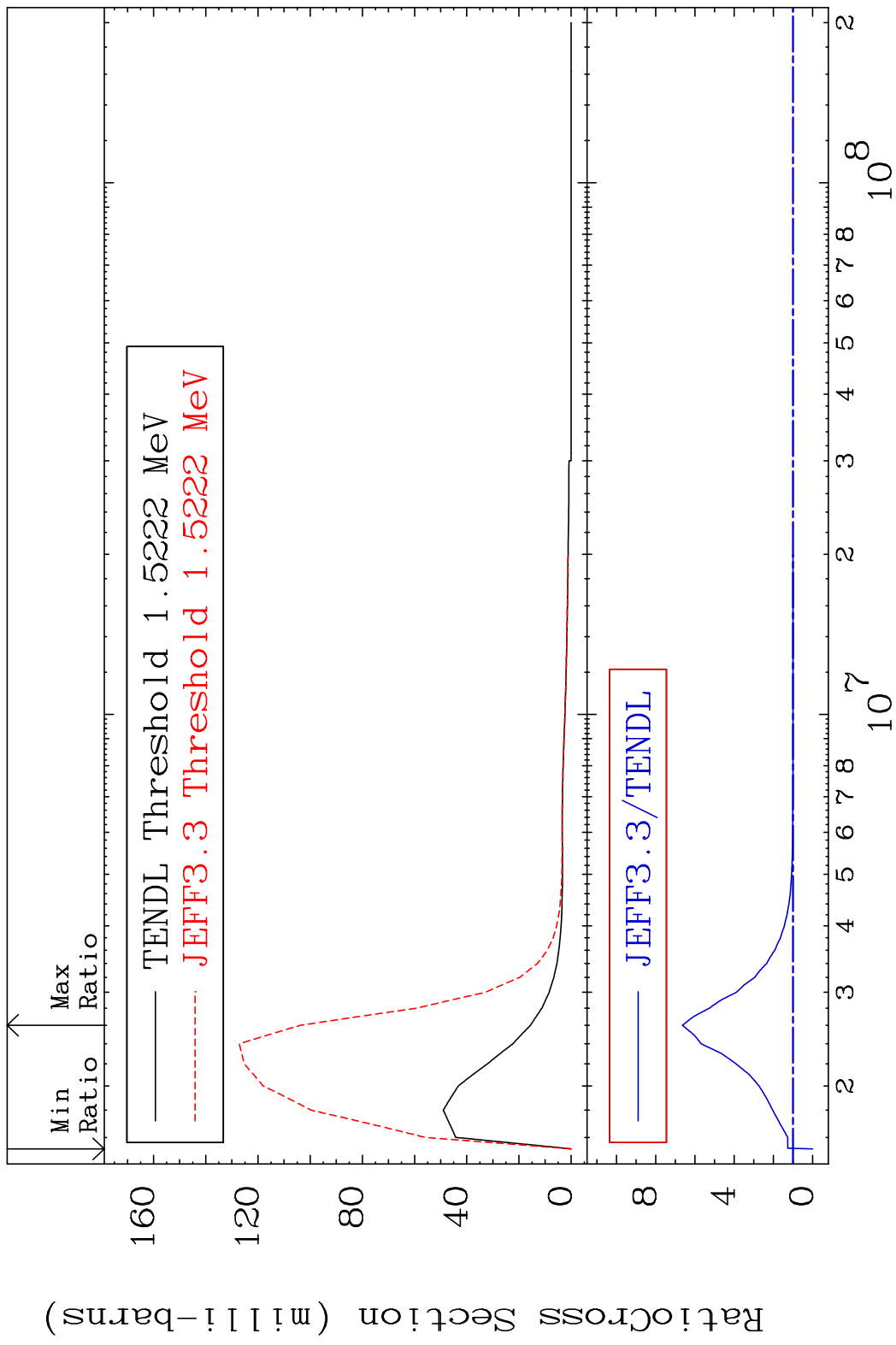
MAT 7237 MT= 72 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 568.8 %



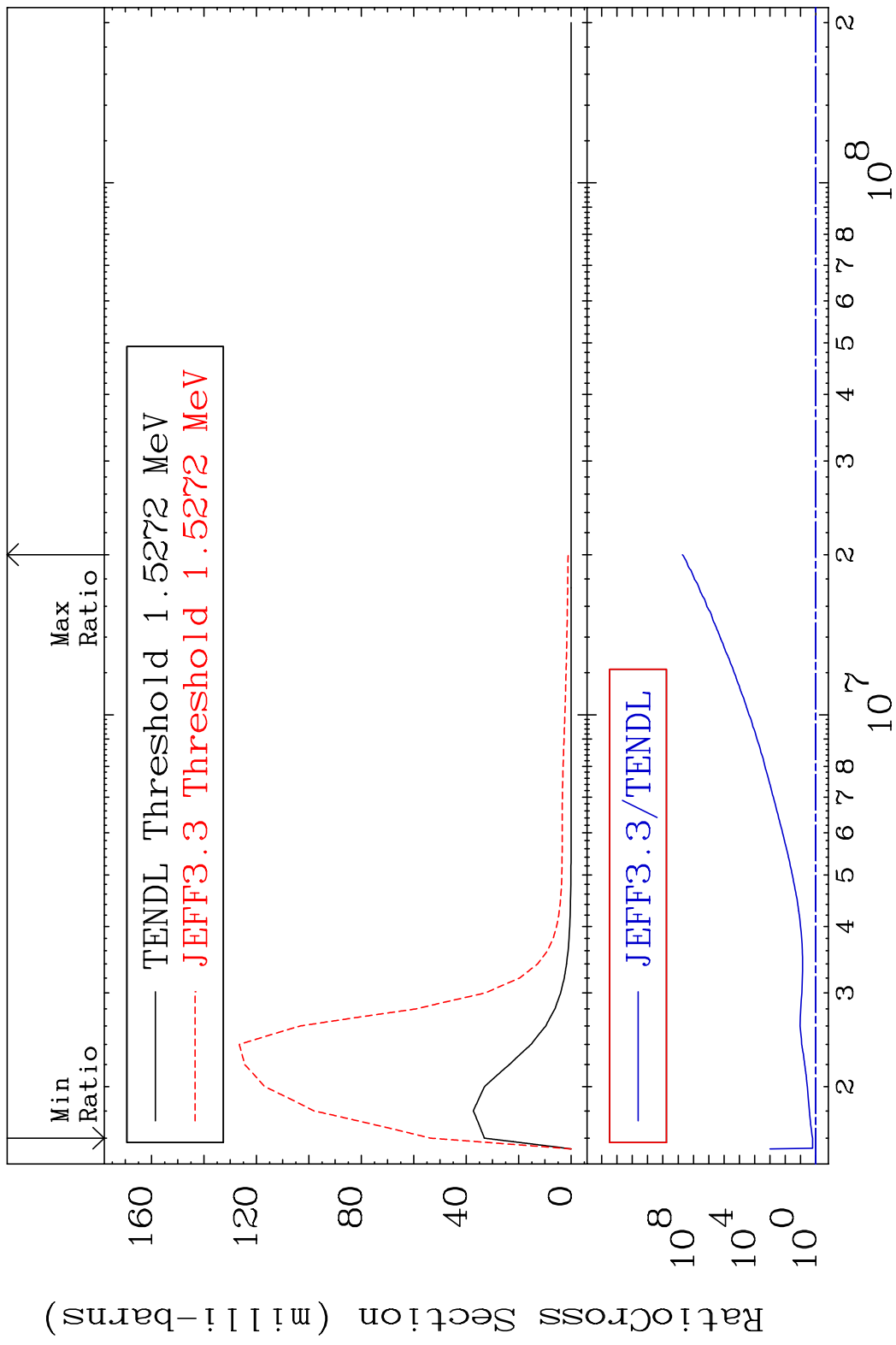
MAT 7237 MT= 73 (n, n') Level 72-Hf-178  
 Cross Section 0.000 To 738.9 %



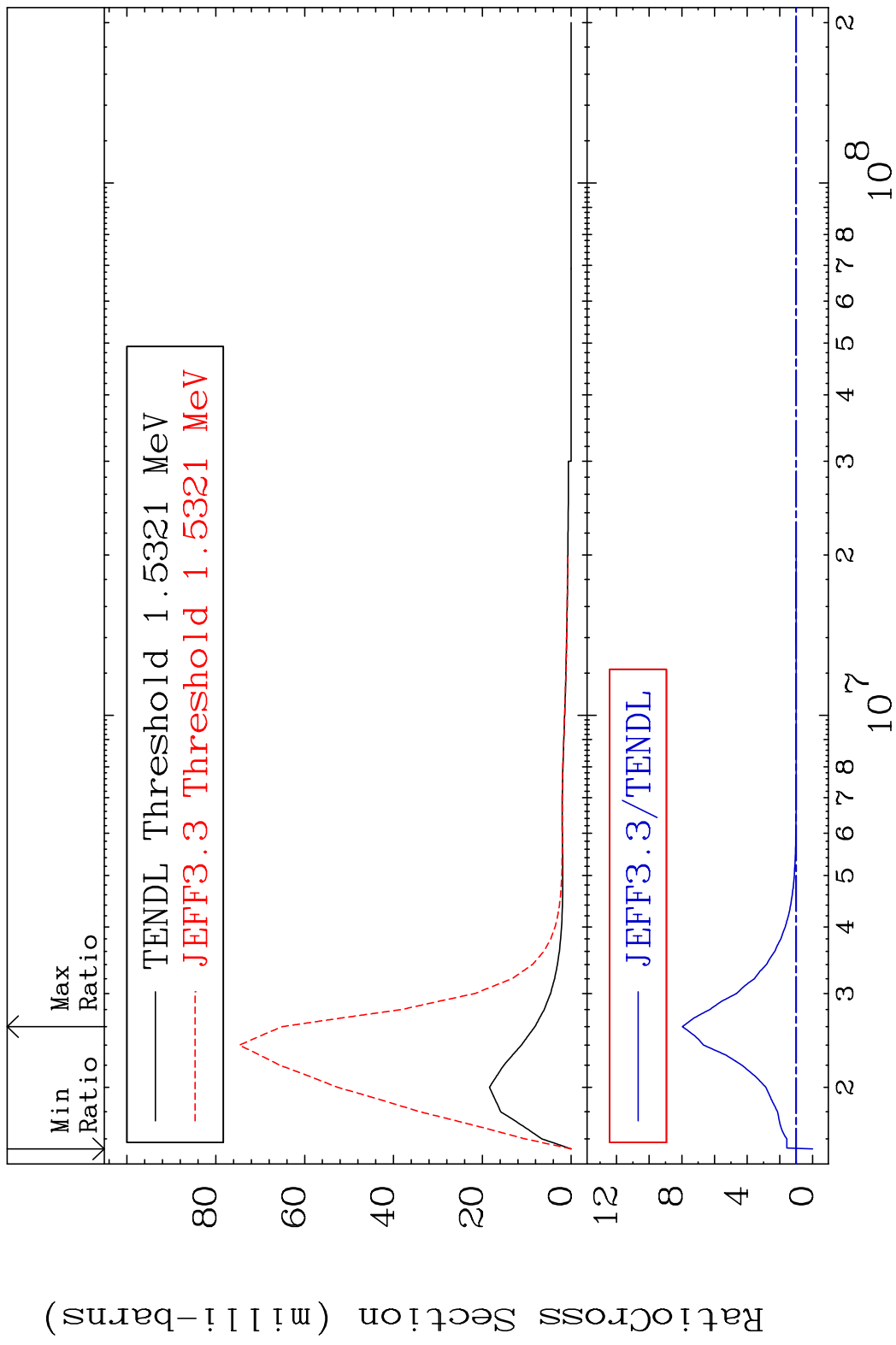
MAT 7237 MT= 74 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 564.2 %



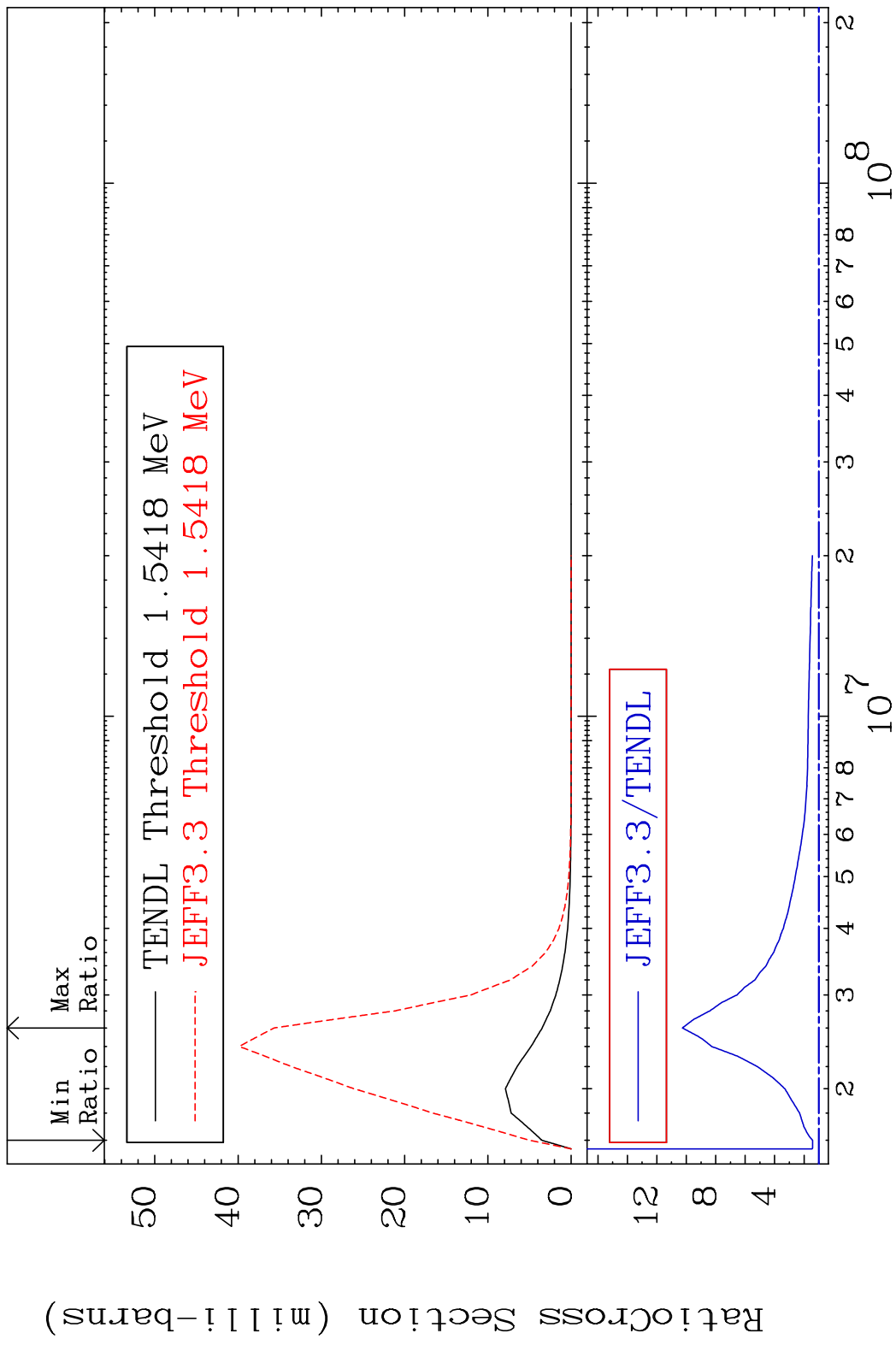
MAT 7237 MT= 75 (n,n') Level 72-Hf-178  
 Cross Section 61.95 To 9999. %



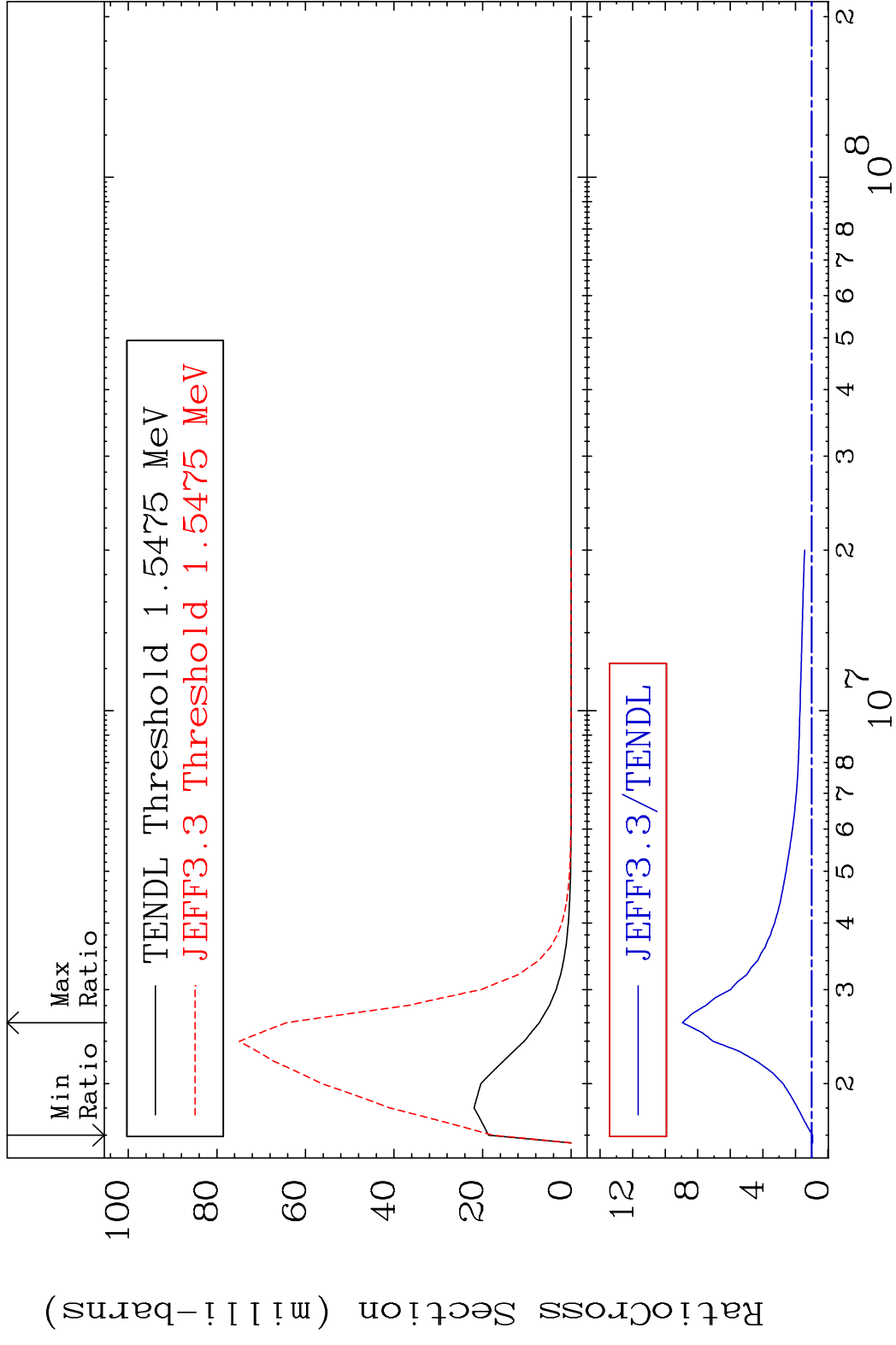
MAT 7237 MT= 76 (n,n') Level 72-Hf-178  
 Cross Section -100.0 To 696.9 %



MAT 7237 MT= 77 (n, n') Level 72-Hf-178  
 Cross Section 42.40 To 926.6 %

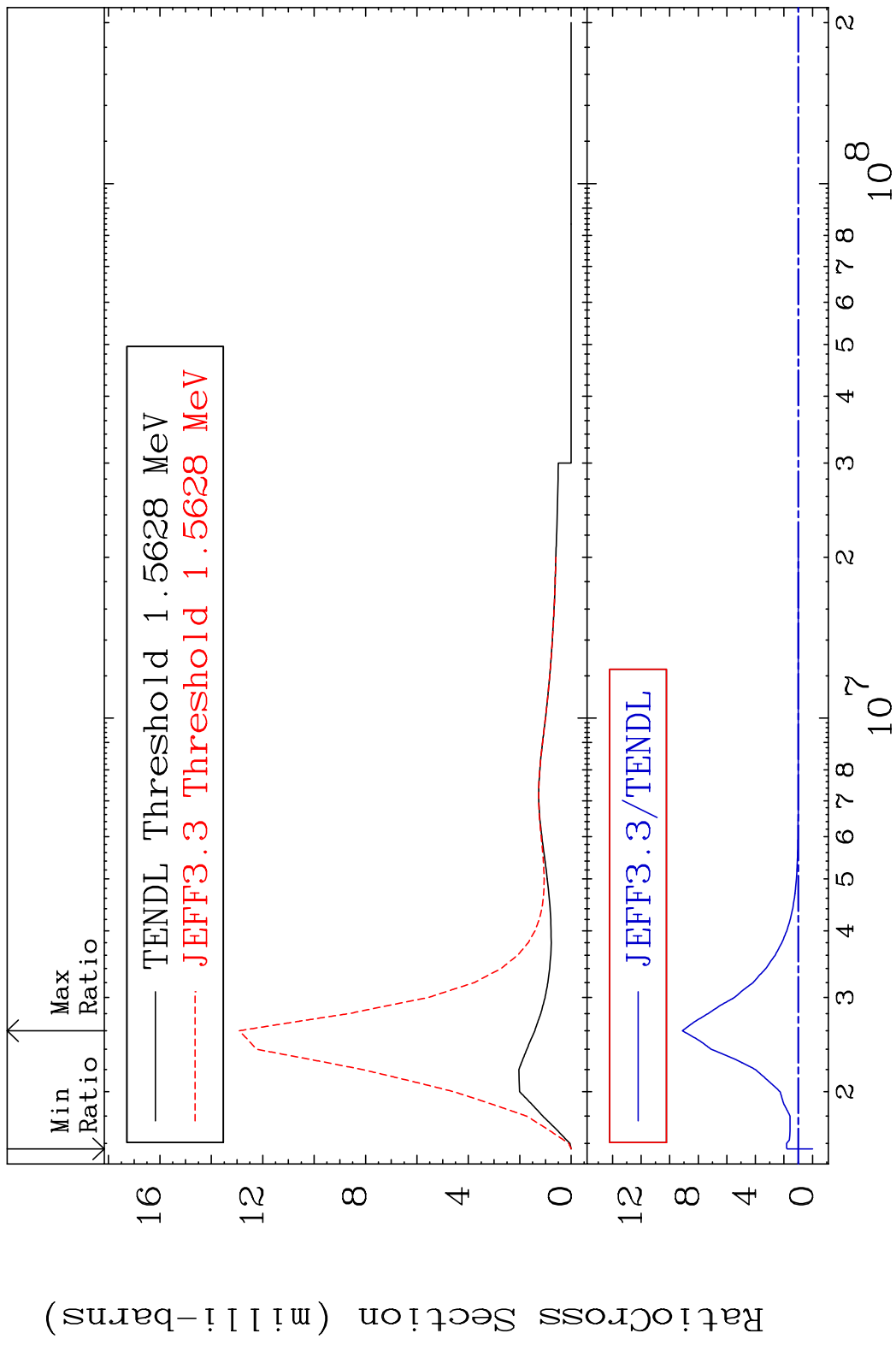


MAT 7237 MT= 78 (n, n') Level 72-Hf-178  
 Cross Section -5.172 To 794.7 %



40 Incident Energy (eV) 72-Hf-178

MAT 7237 MT= 79 (n, n') Level 72-Hf-178  
 Cross Section -100.0 To 811.2 %

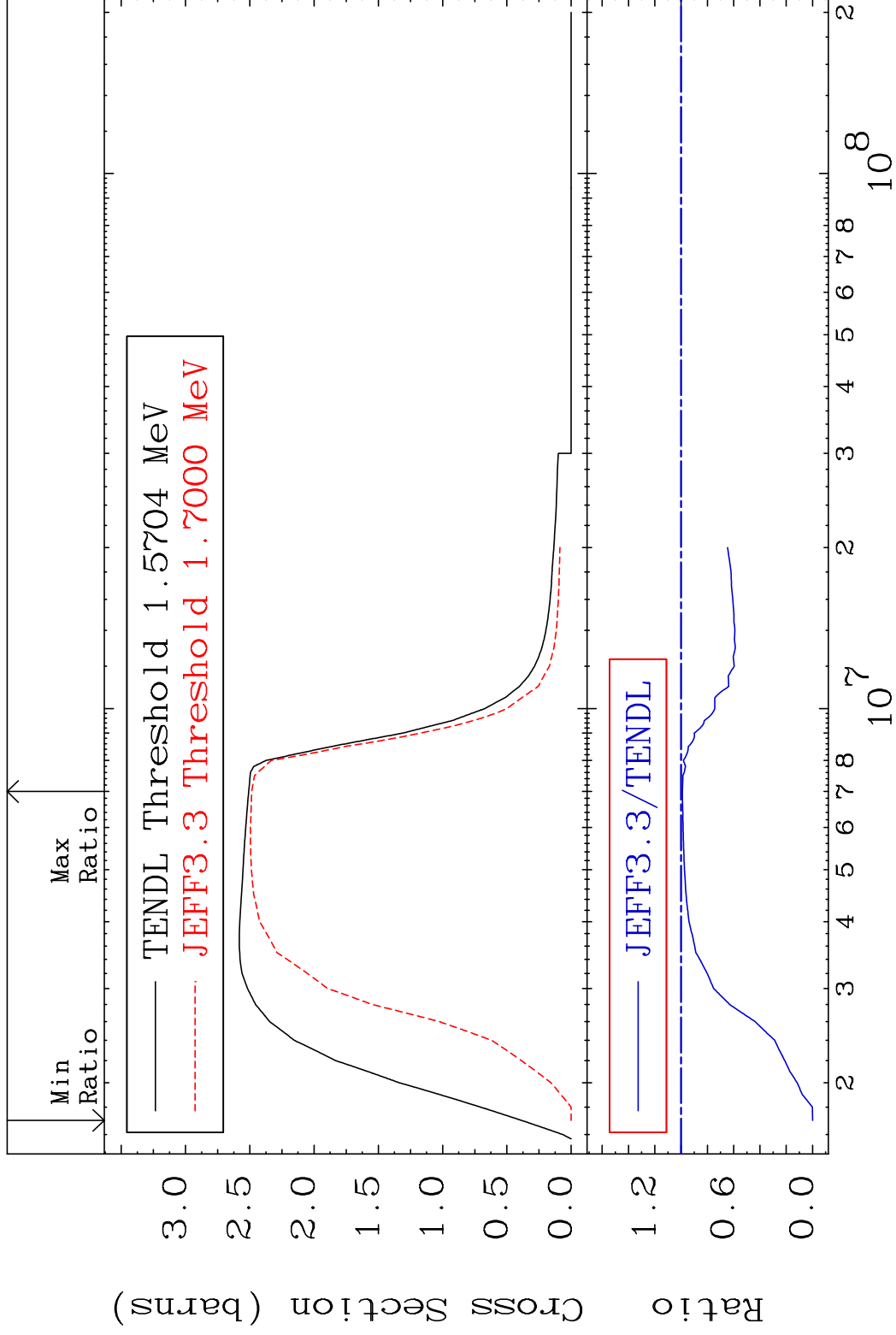


MAT 7237

(n, n') Continuum

72-Hf-178

Cross Section -100.0 To -0.964%



42

Incident Energy (eV)

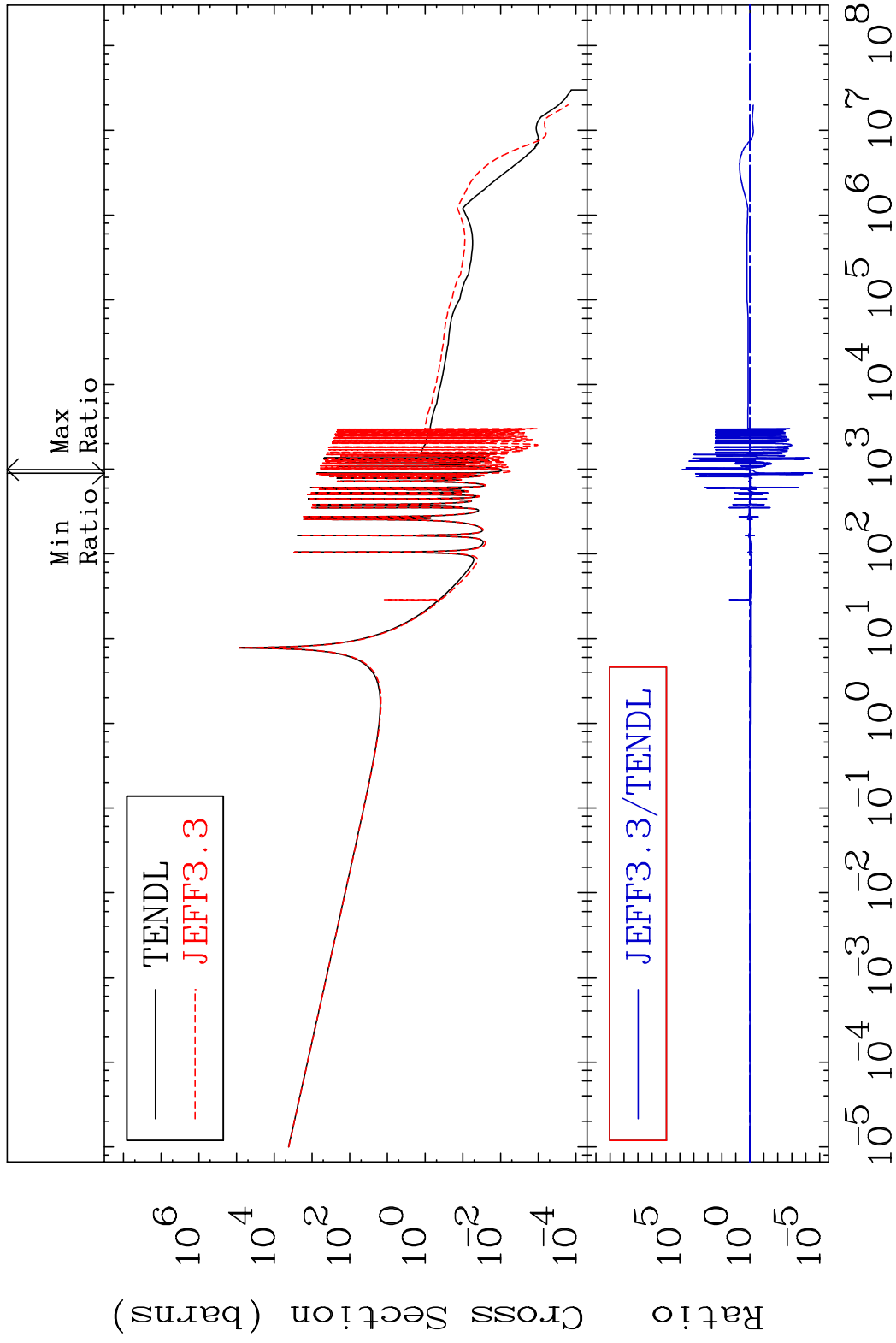
72-Hf-178

MAT 7237

(n,  $\gamma$ )

72-Hf-178

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

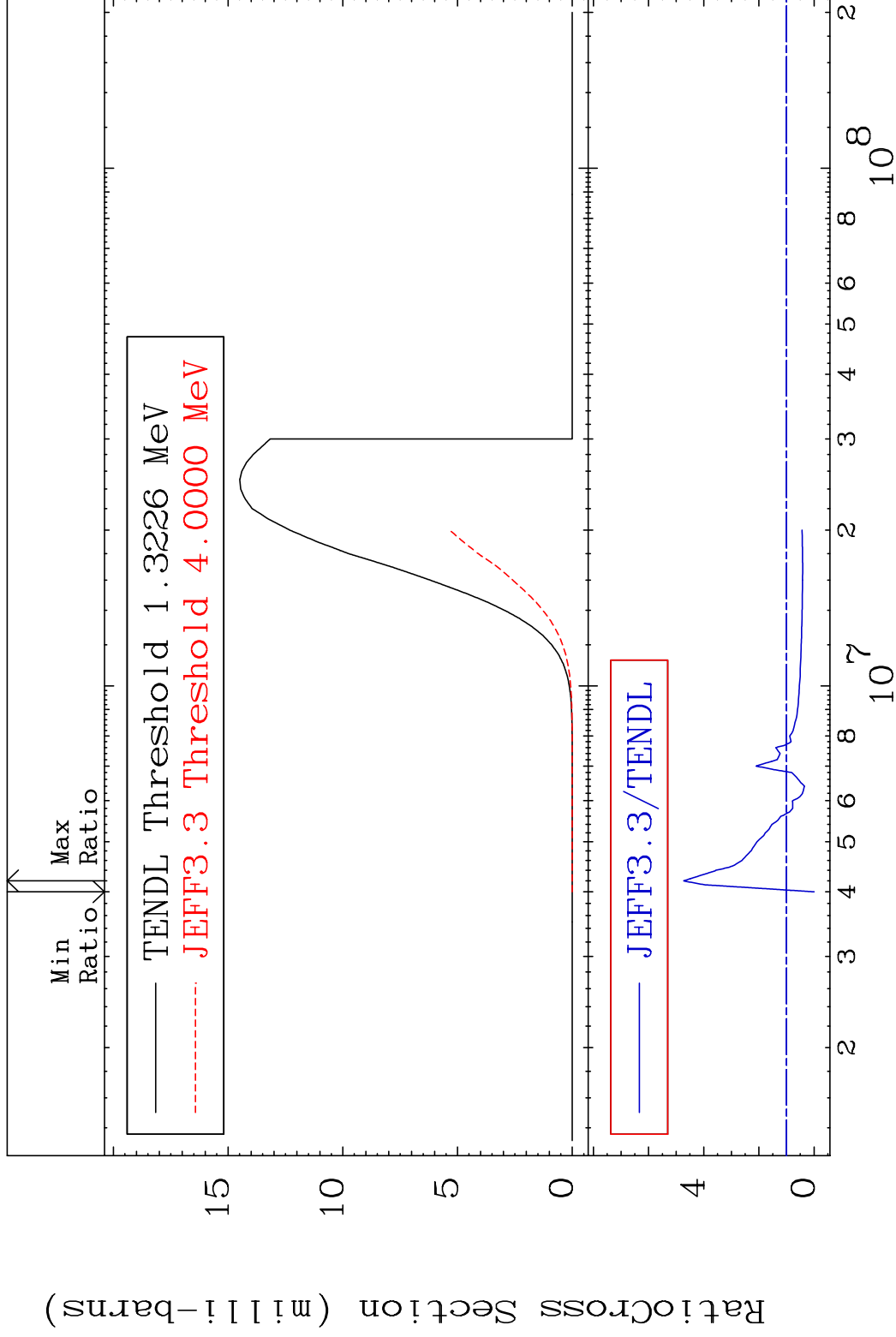
72-Hf-178

MAT 7237

(n, p)

72-Hf-178

Cross Section -100.0 To 372.9 %



44

Incident Energy (eV)

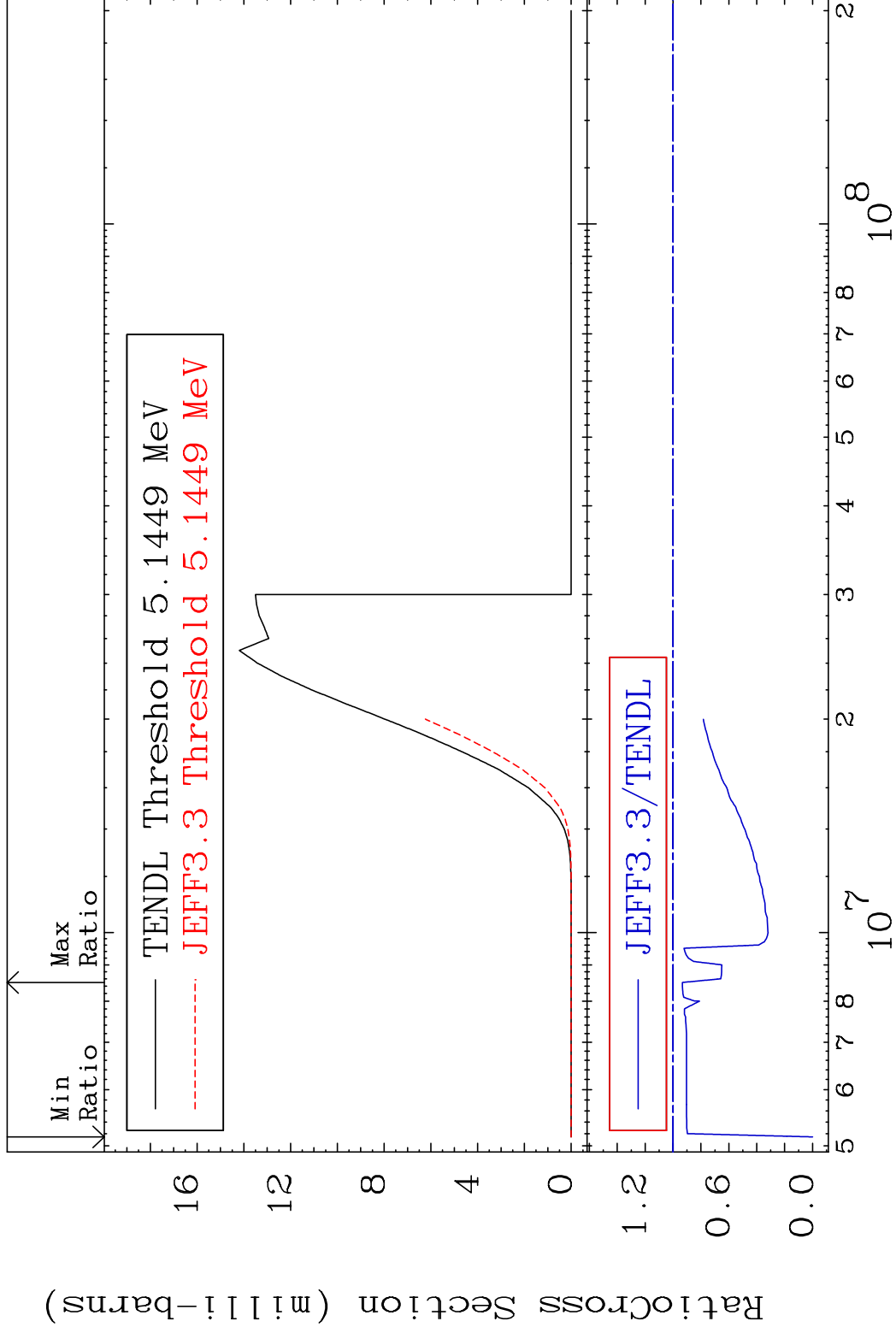
72-Hf-178

MAT 7237

(n,d)

72-Hf-178

Cross Section -100.0 To -6.657%



45

Incident Energy (eV)

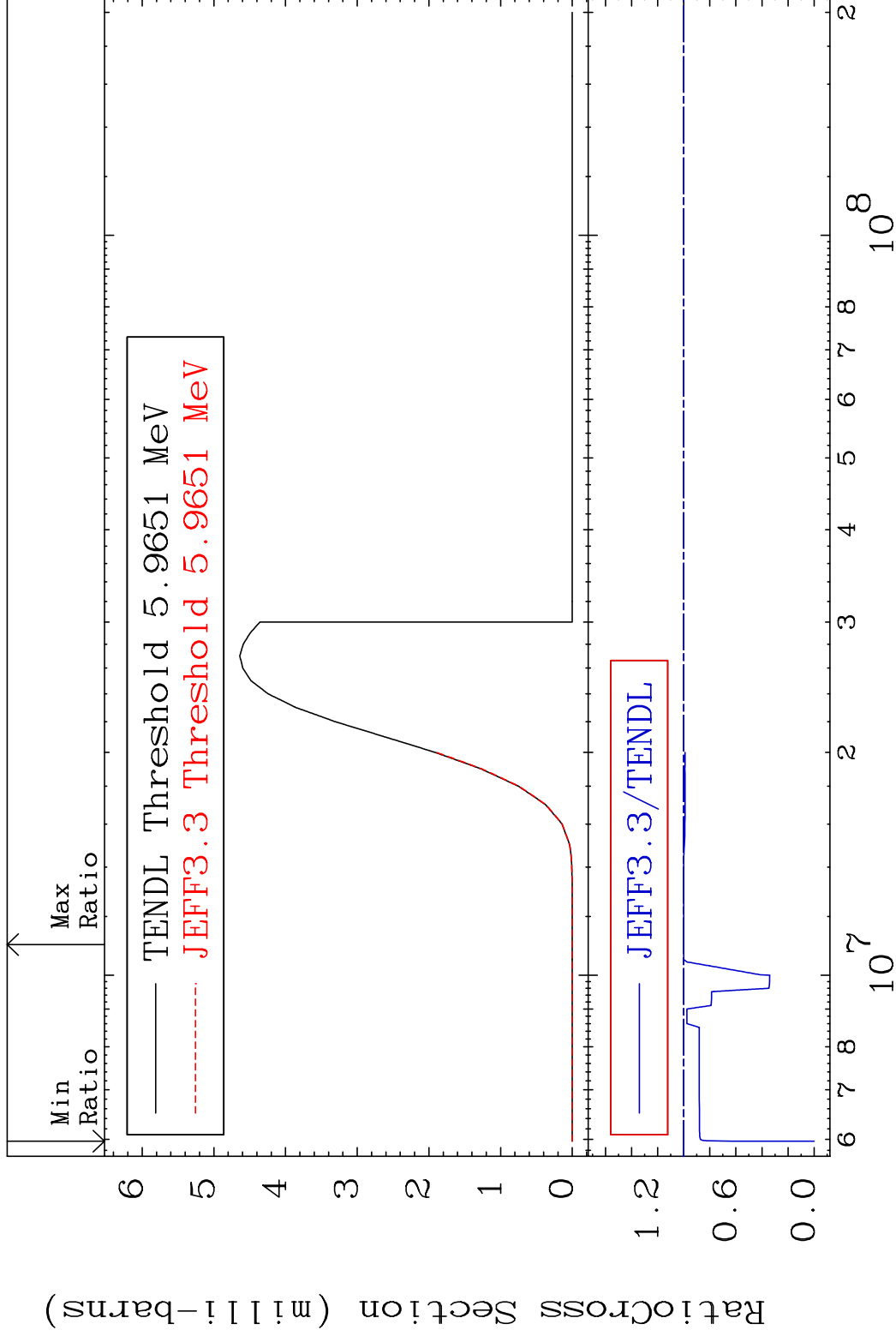
72-Hf-178

MAT 7237

(n, t)

72-Hf-178

Cross Section -100.0 To 0.043 %

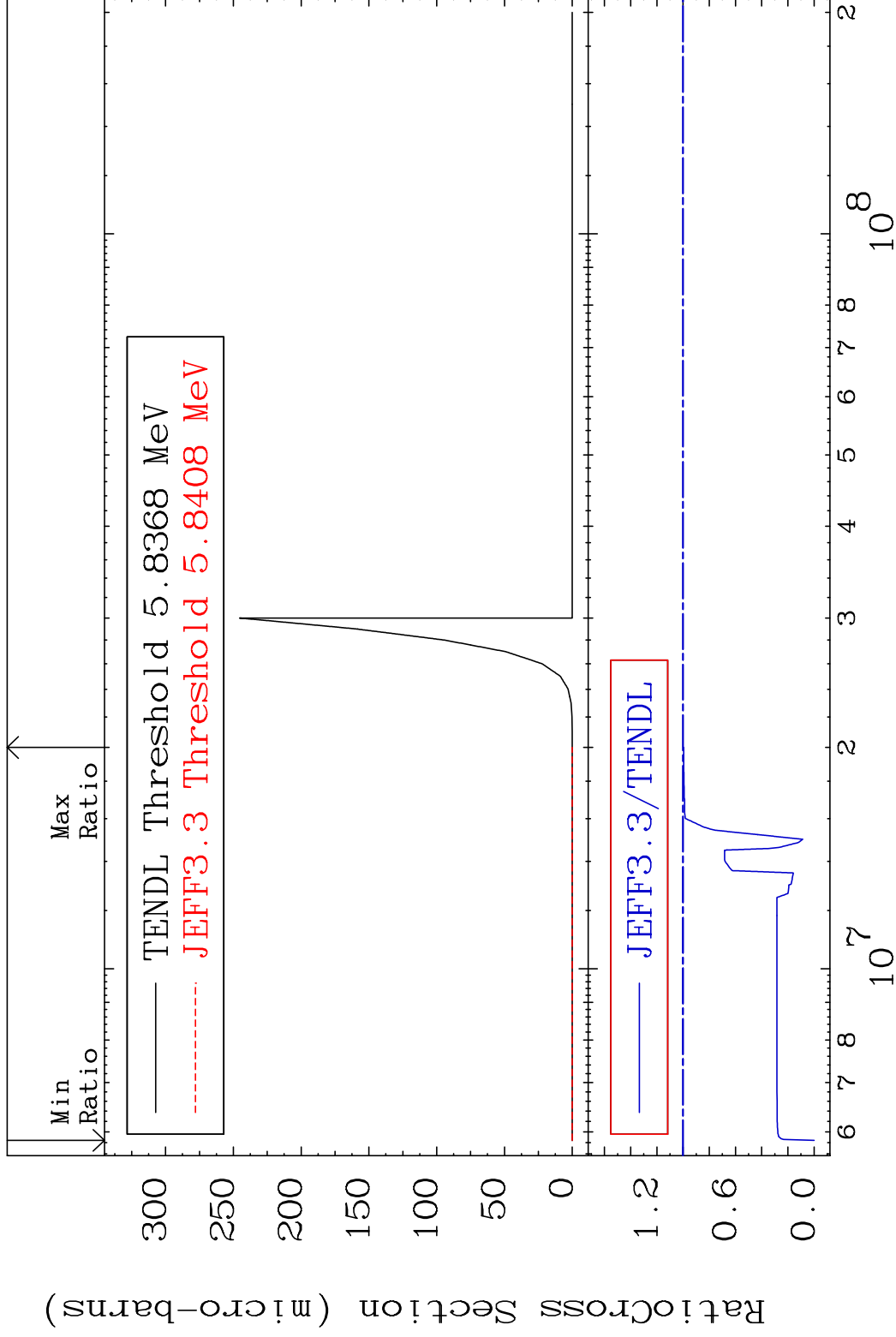


MAT 7237

(n, He-3)

72-Hf-178

Cross Section -100.0 To -0.431%



47

Incident Energy (eV)

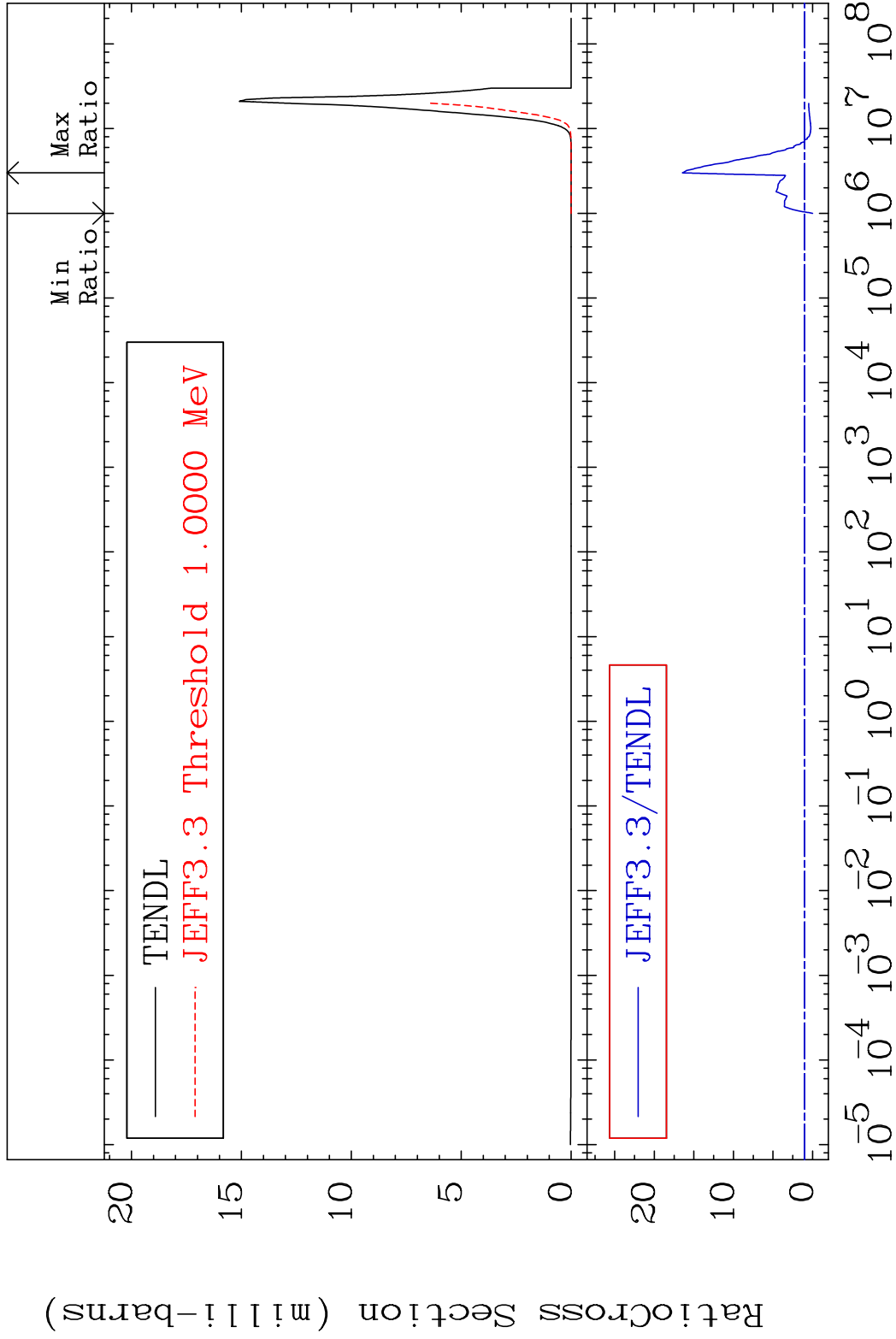
72-Hf-178

MAT 7237

(n,  $\alpha$ )

72-Hf-178

Cross Section -100.0 To 1545. %

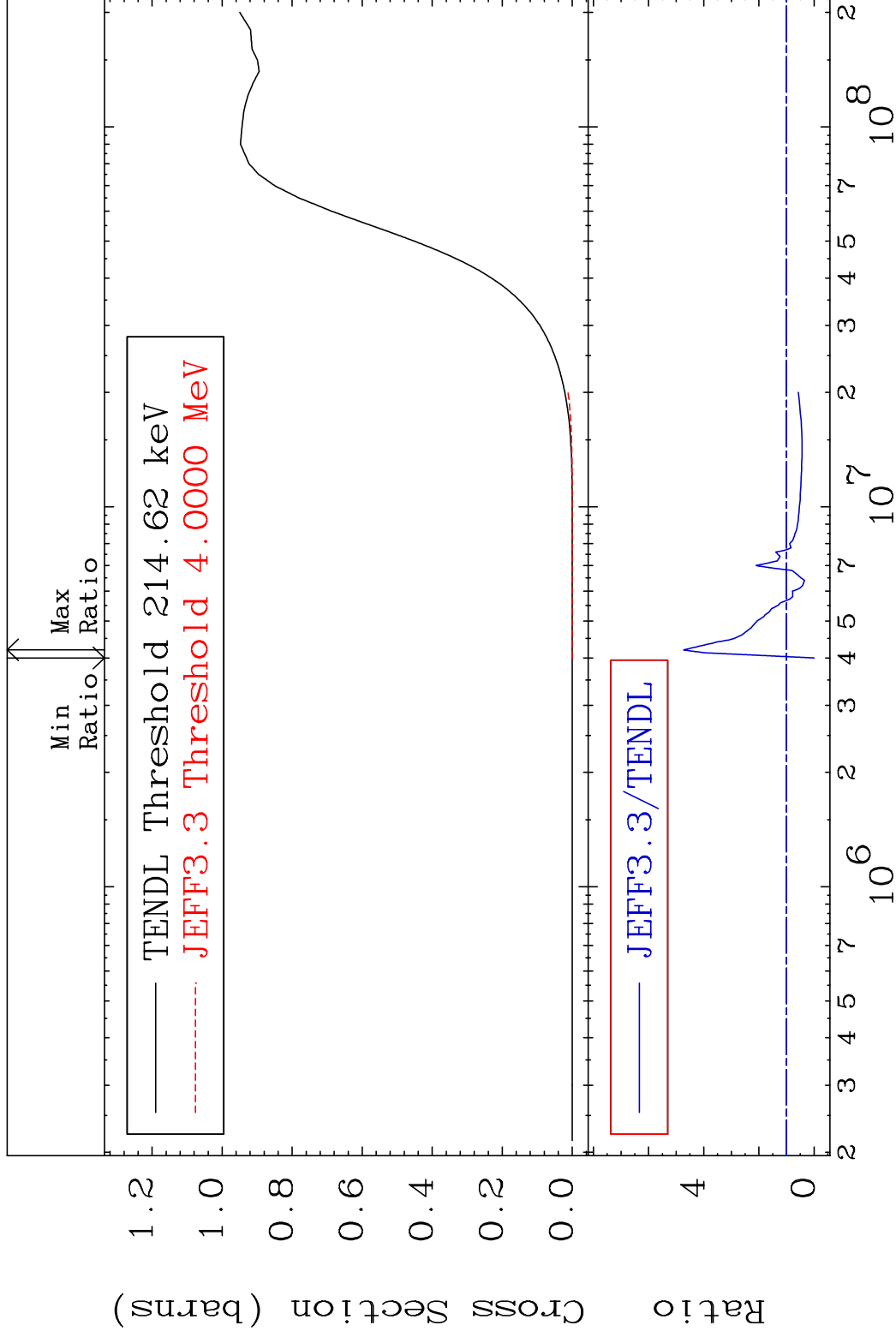


48

Incident Energy (eV)

72-Hf-178

Cross Section -100.0 To 372.9 %

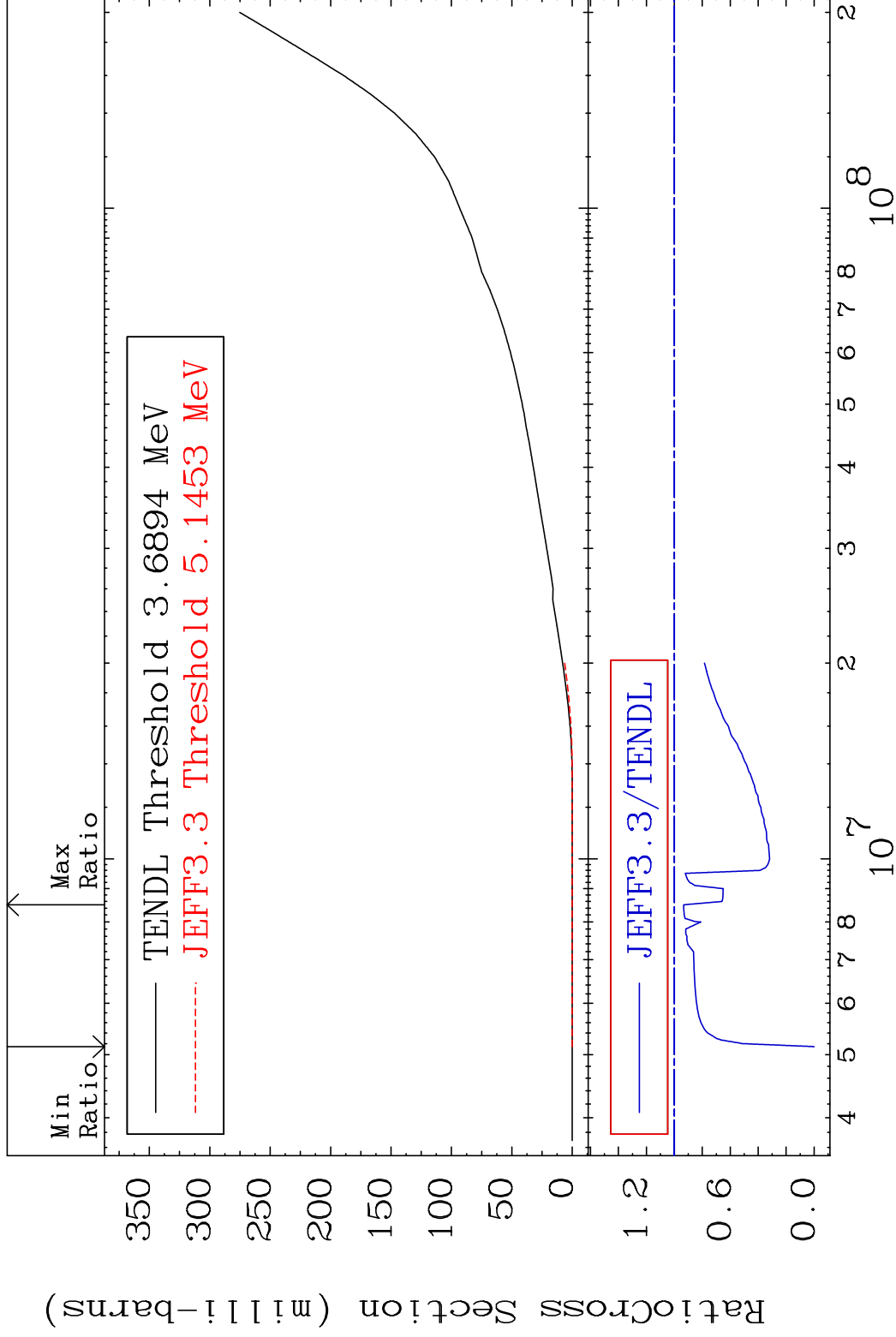


MAT 7237

Deuterium Production

72-Hf-178

Cross Section -100.0 To -6.657%



50

Incident Energy (eV)

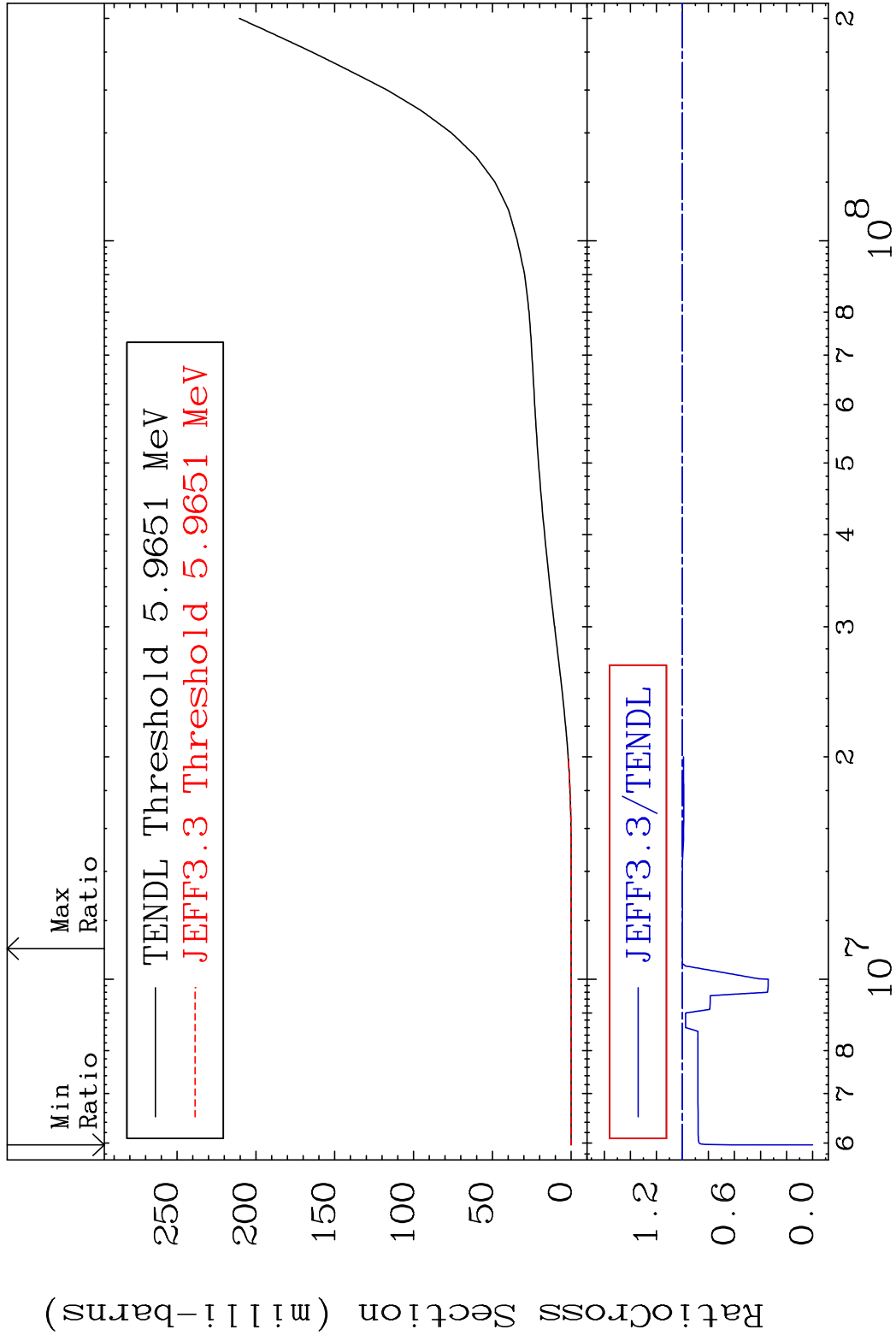
72-Hf-178

MAT 7237

Tritium Production

72-Hf-178

Cross Section -100.0 To 0.043 %

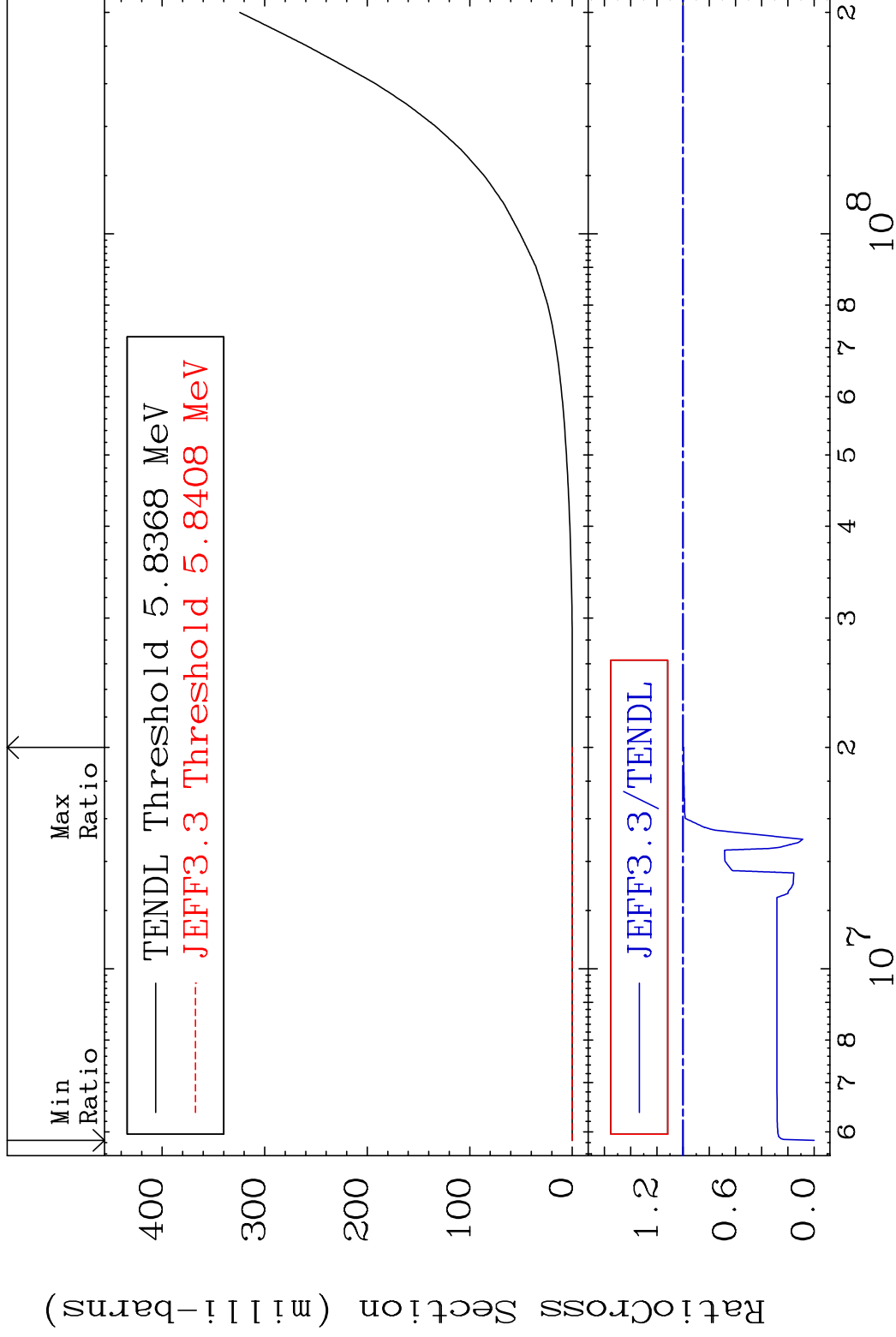


MAT 7237

He-3 Production

72-Hf-178

Cross Section -100.0 To -0.431%

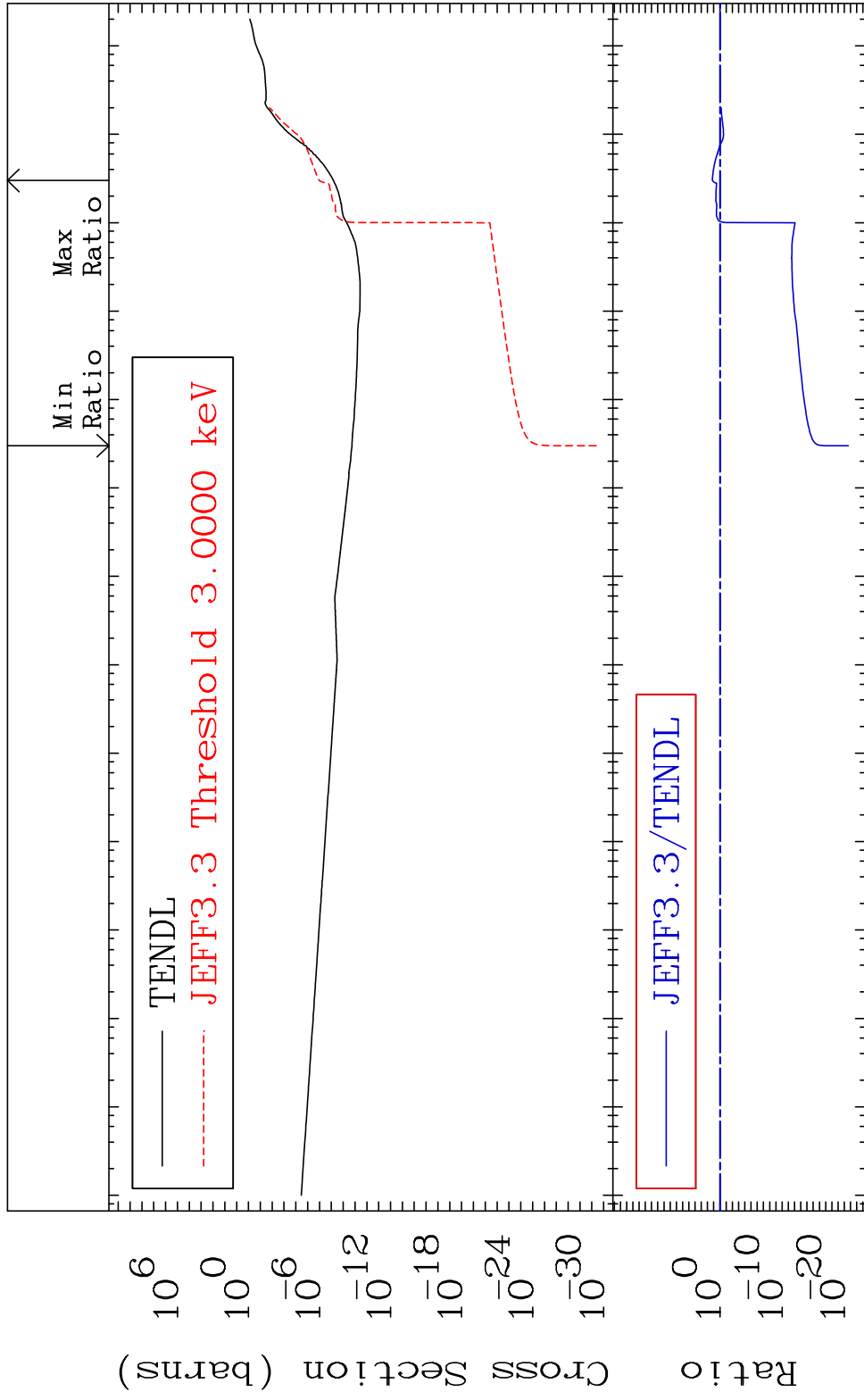


52

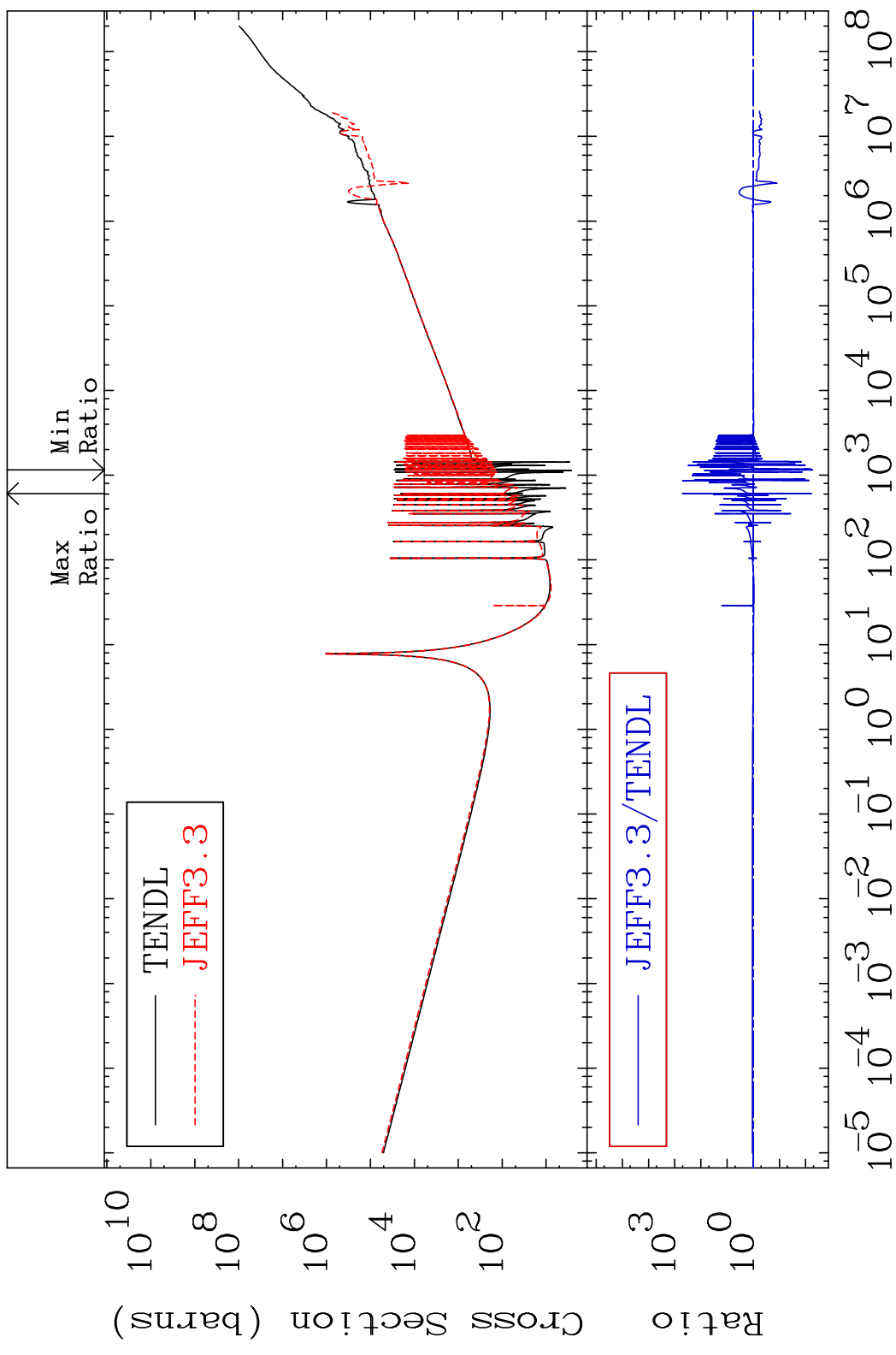
Incident Energy (eV)

72-Hf-178

Cross Section -100.0 To 1545. %



Cross Section -99.46 To 9999. %

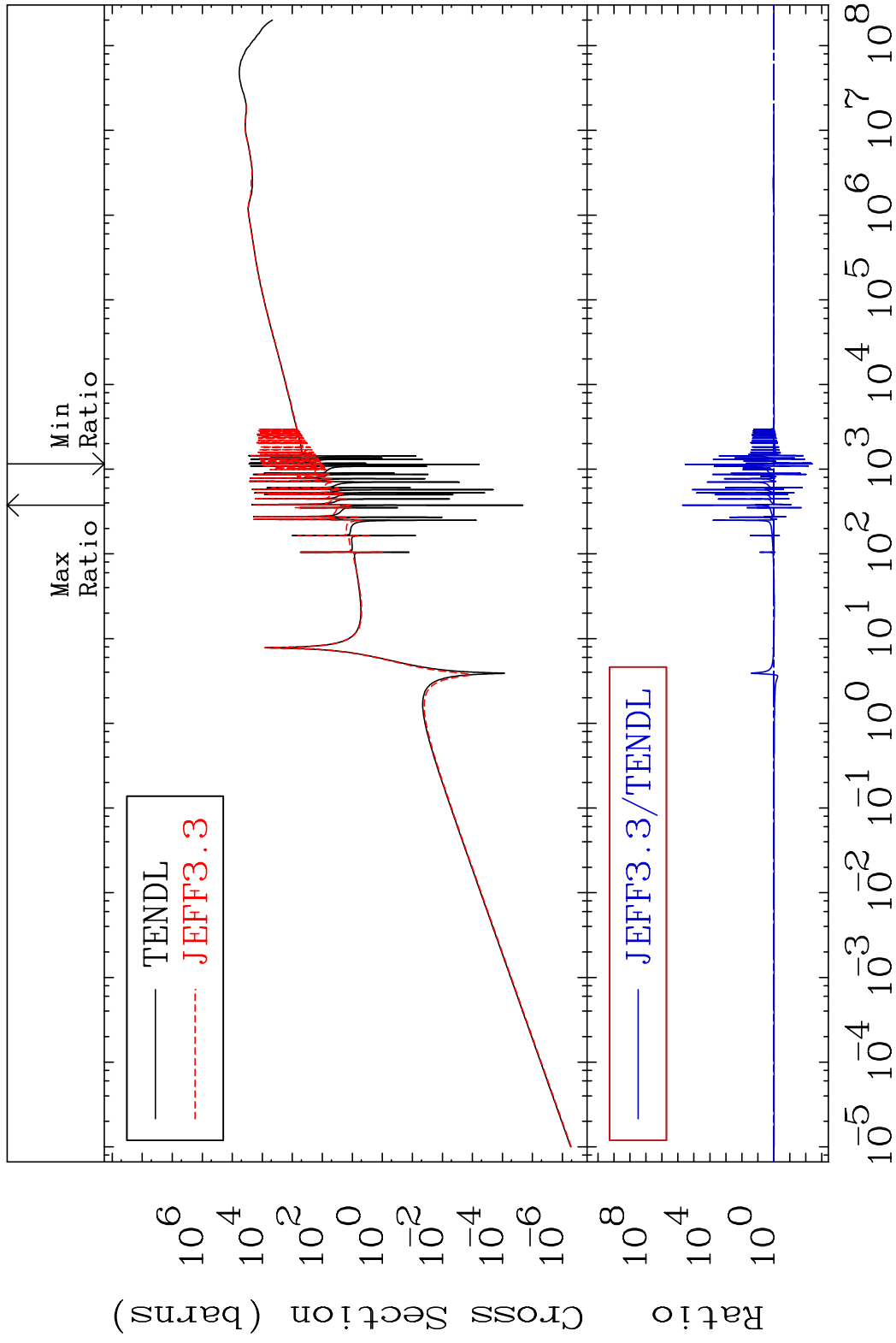


MAT 7237

Kerma elastic

72-Hf-178

Cross Section -99.62 To 9999. %

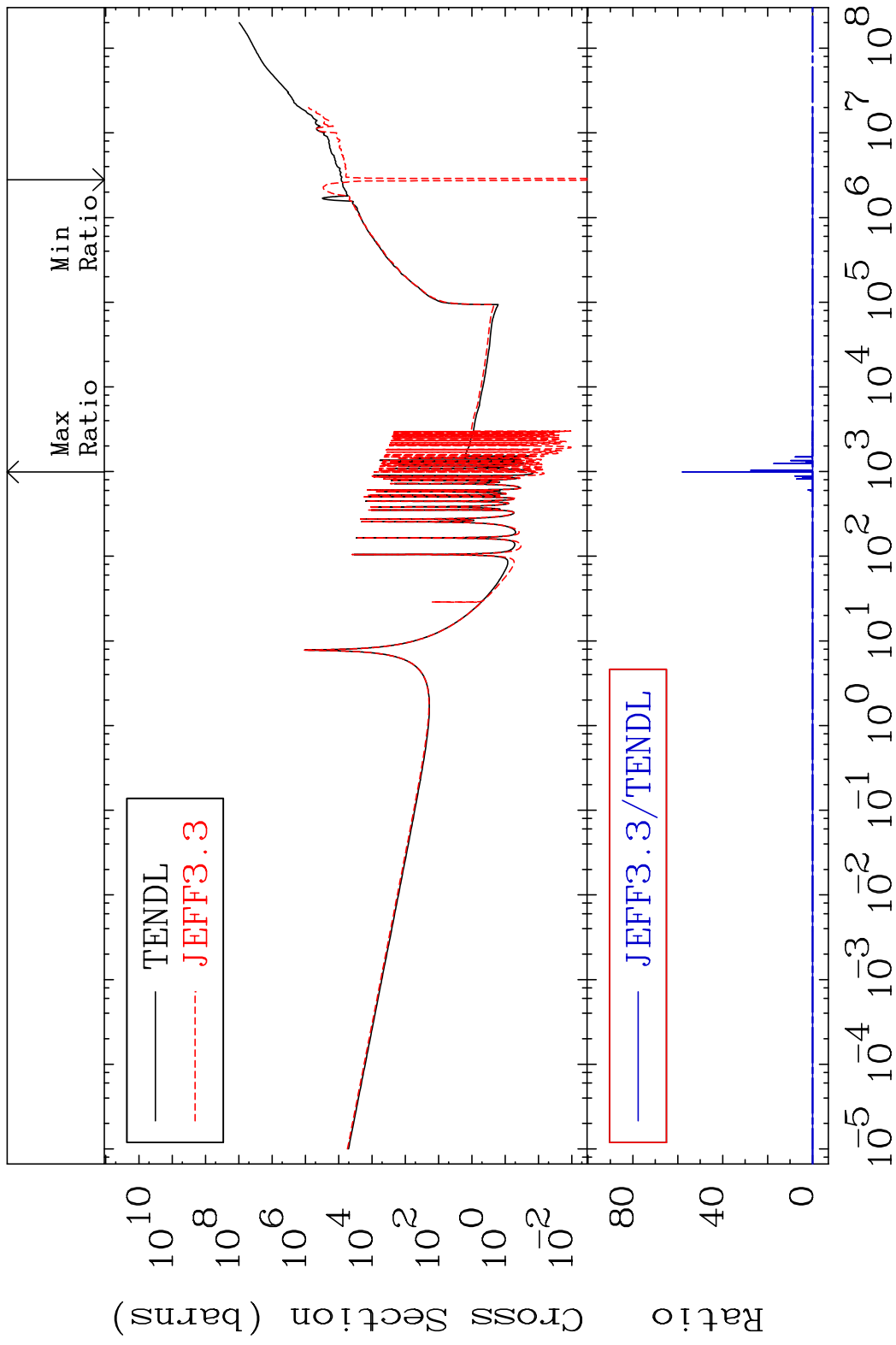


55

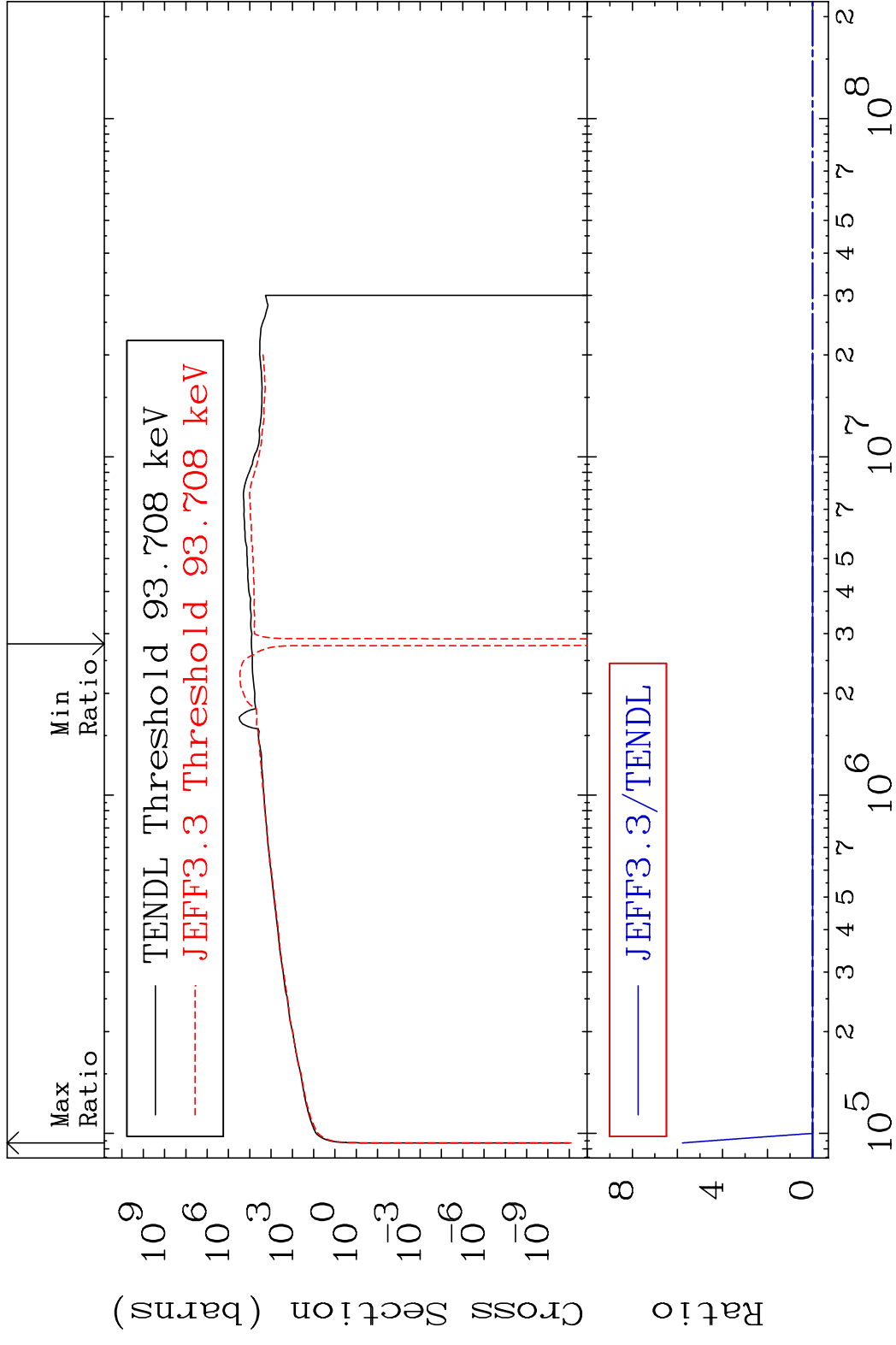
Incident Energy (eV)

72-Hf-178

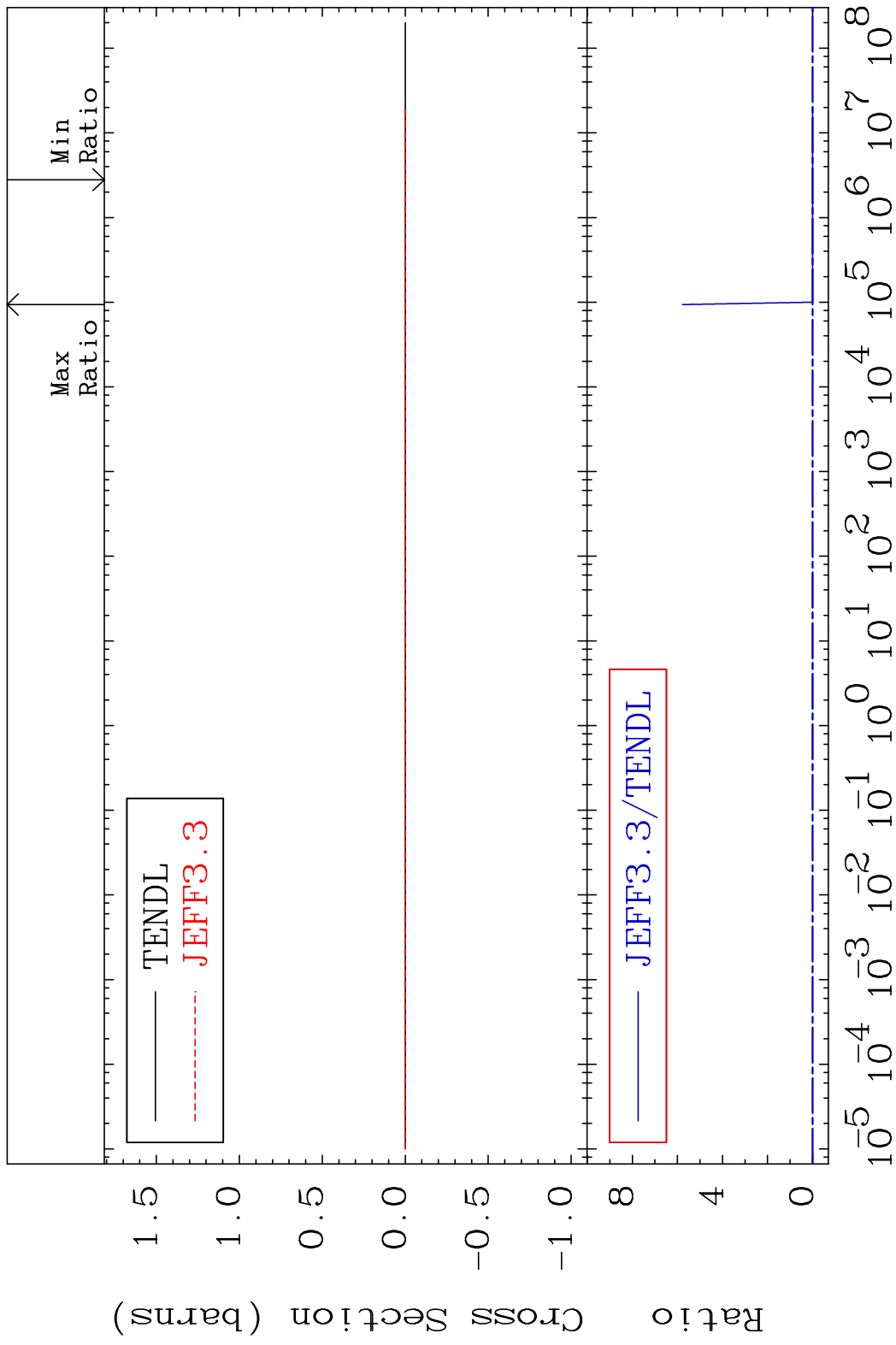
MAT 7237 Kerma non-elastic (all but mt2) 72-Hf-178  
 Cross Section -111.8 To 9999. %



MAT 7237 Kerma inelastic (mt51-91) 72-Hf-178  
 Cross Section -111.8 To 9999. %



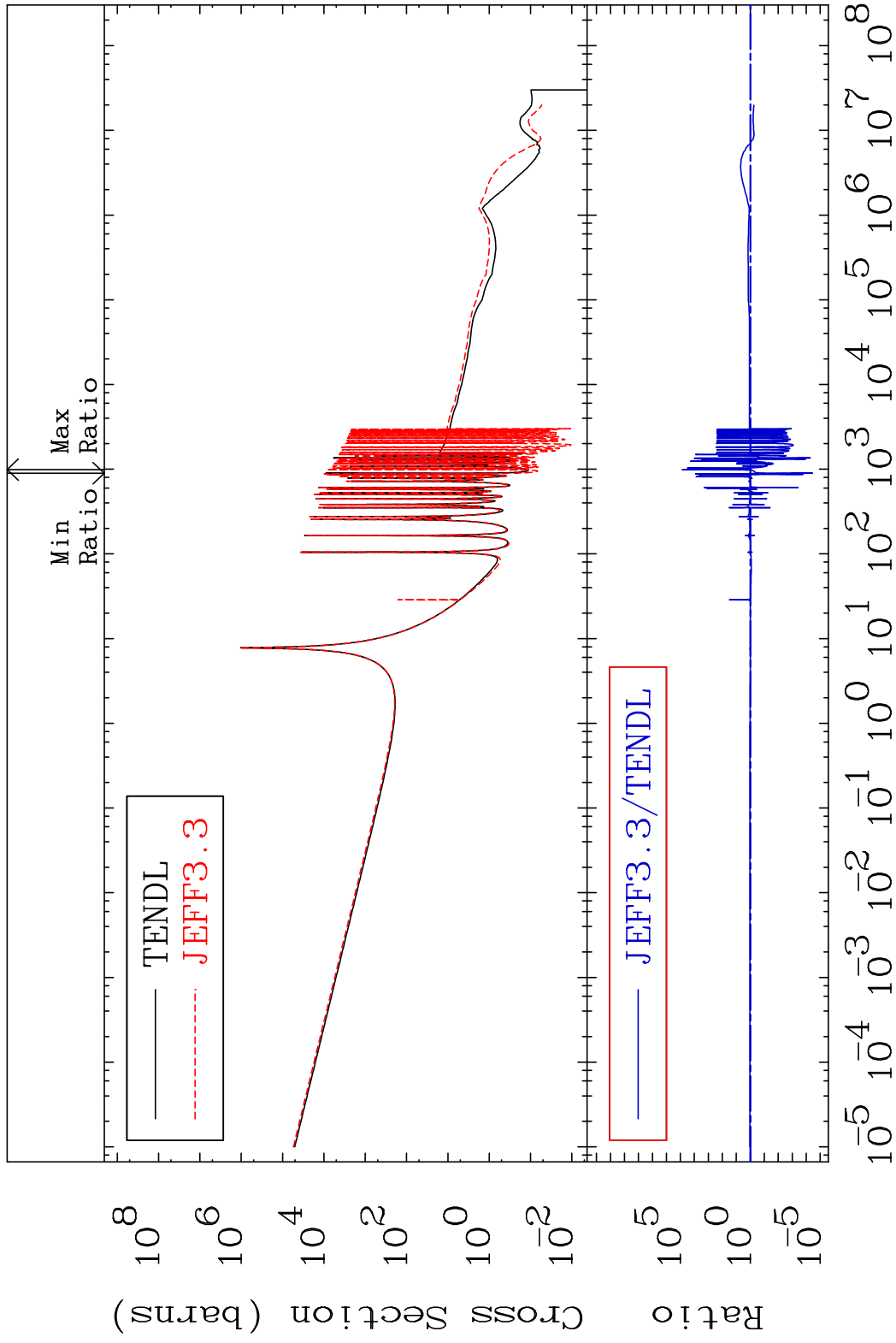
MAT 7237 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-178  
 Cross Section -111.8 To 9999. %



MAT 7237

Kerma capture (mt102) 72-Hf-178

Cross Section -100.0 To 9999. %



59

Incident Energy (eV)

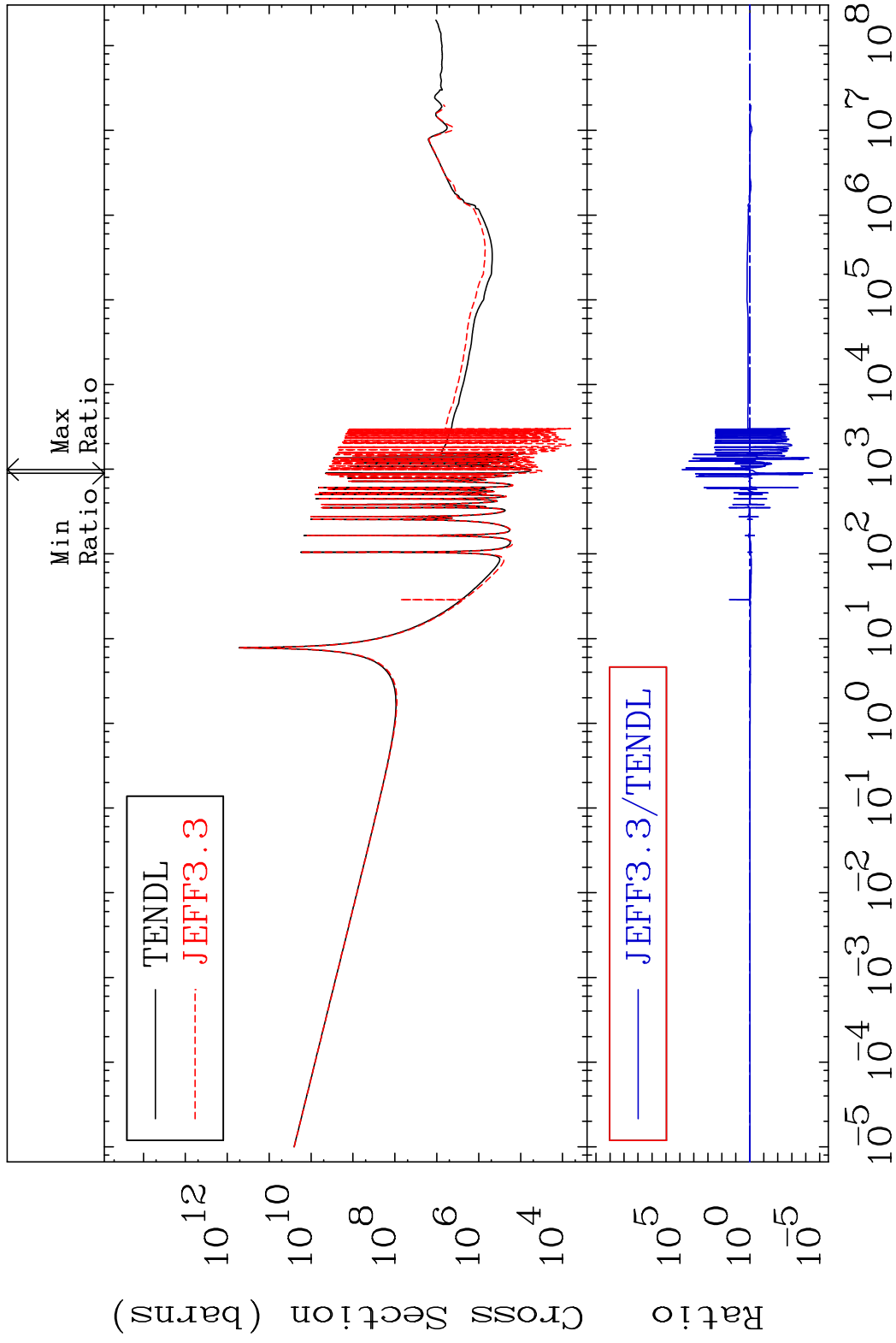
72-Hf-178

MAT 7237

Total photon (eV-barns)

72-Hf-178

Cross Section -100.0 To 9999. %

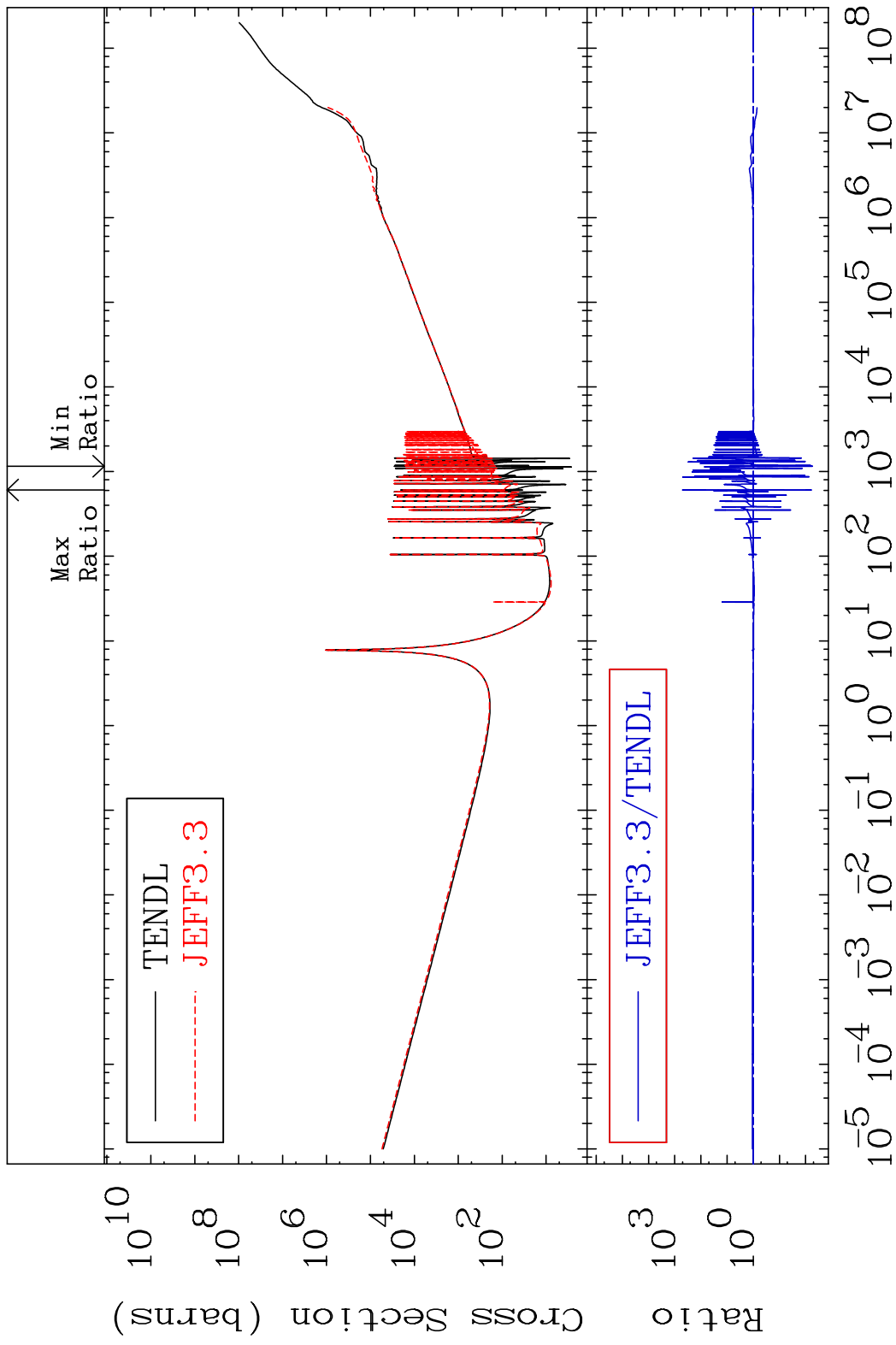


60

Incident Energy (eV)

72-Hf-178

MAT 7237 Total kinematic kerma (high limit) 72-Hf-178  
 Cross Section -99.46 To 9999. %

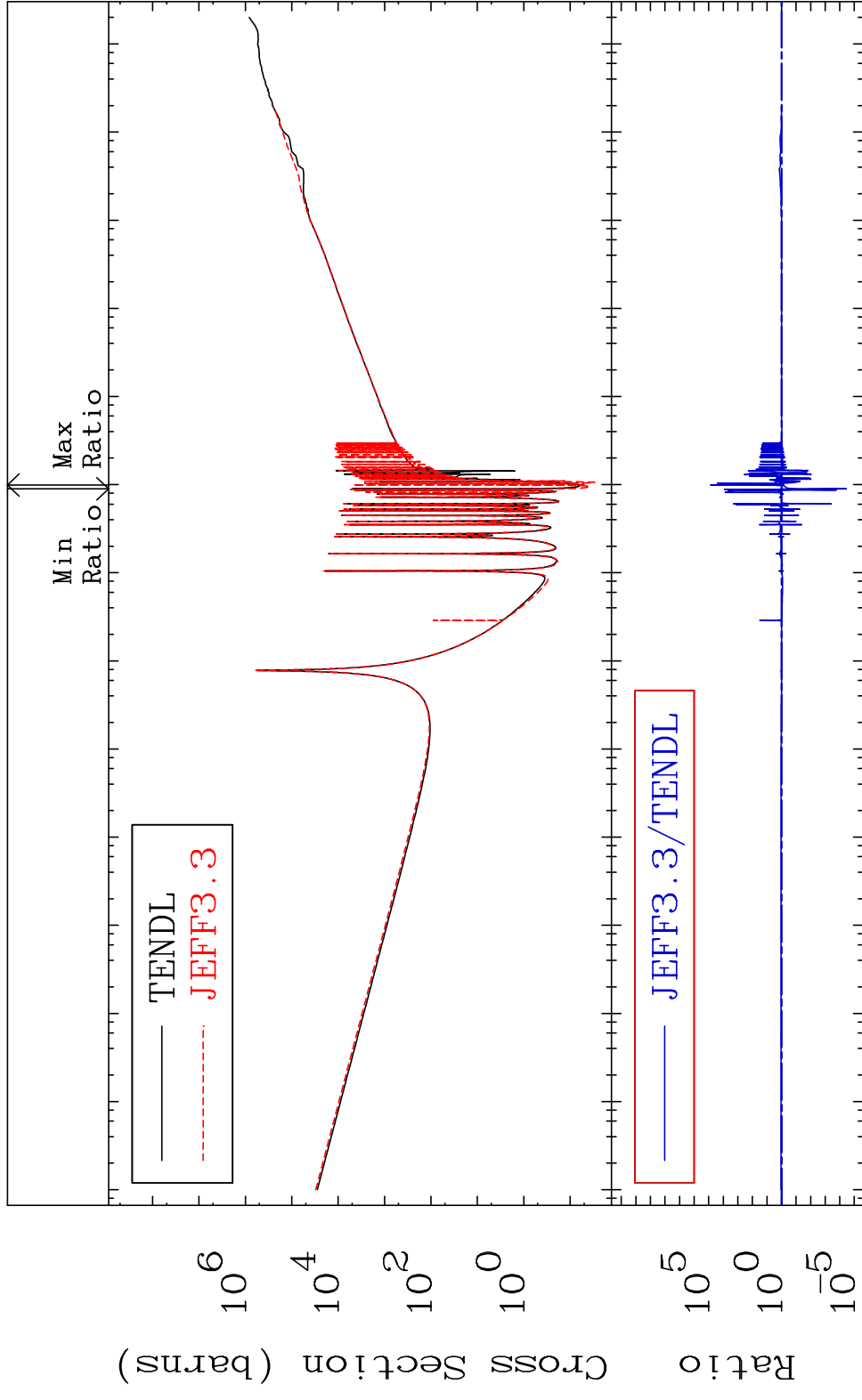


MAT 7237

Dpa total (eV-barns)

72-Hf-178

Cross Section -100.0 To 9999. %



62

Incident Energy (eV)

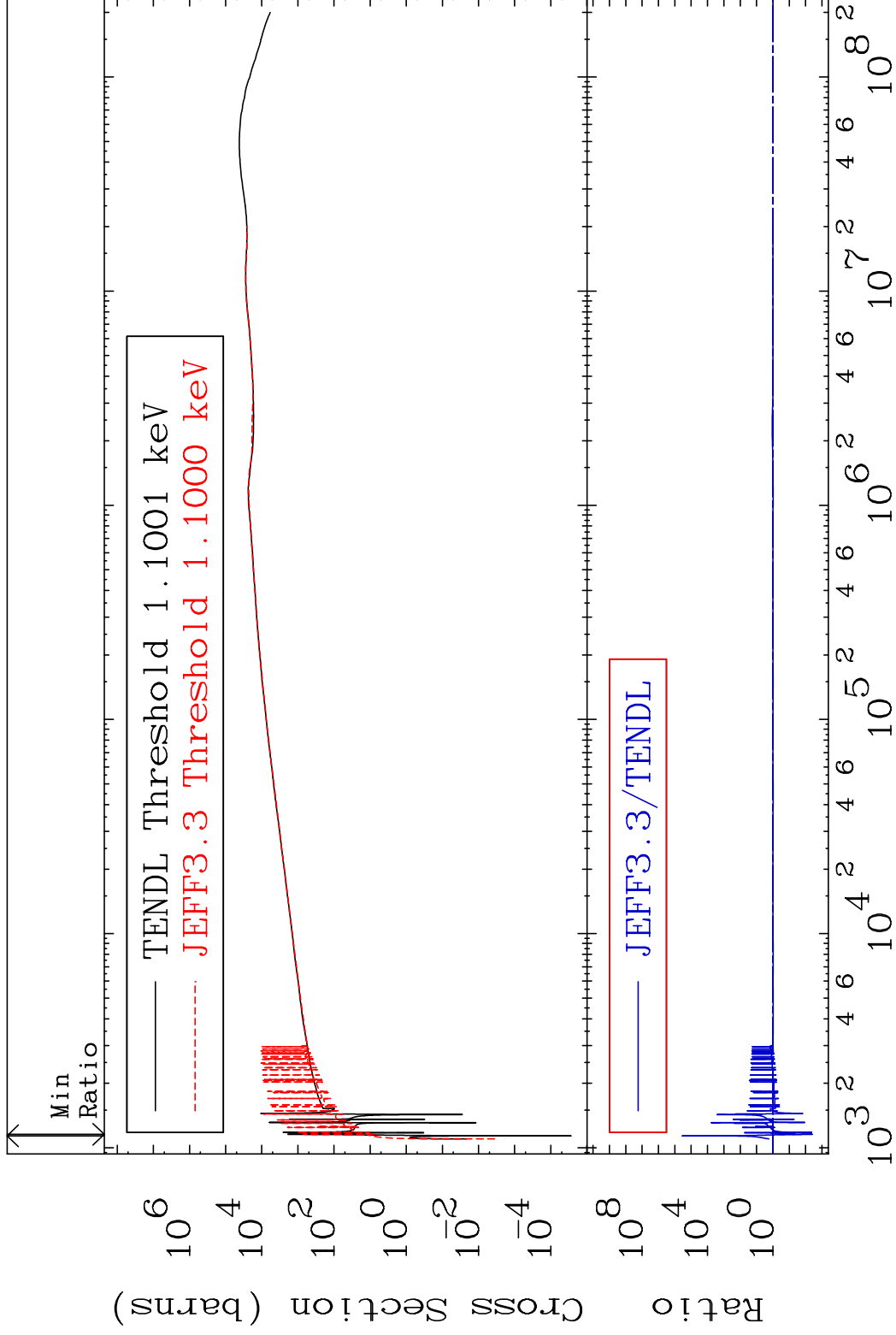
72-Hf-178

MAT 7237

Dpa elastic (mt2)

72-Hf-178

Cross Section -99.62 To 9999. %



63

Incident Energy (eV)

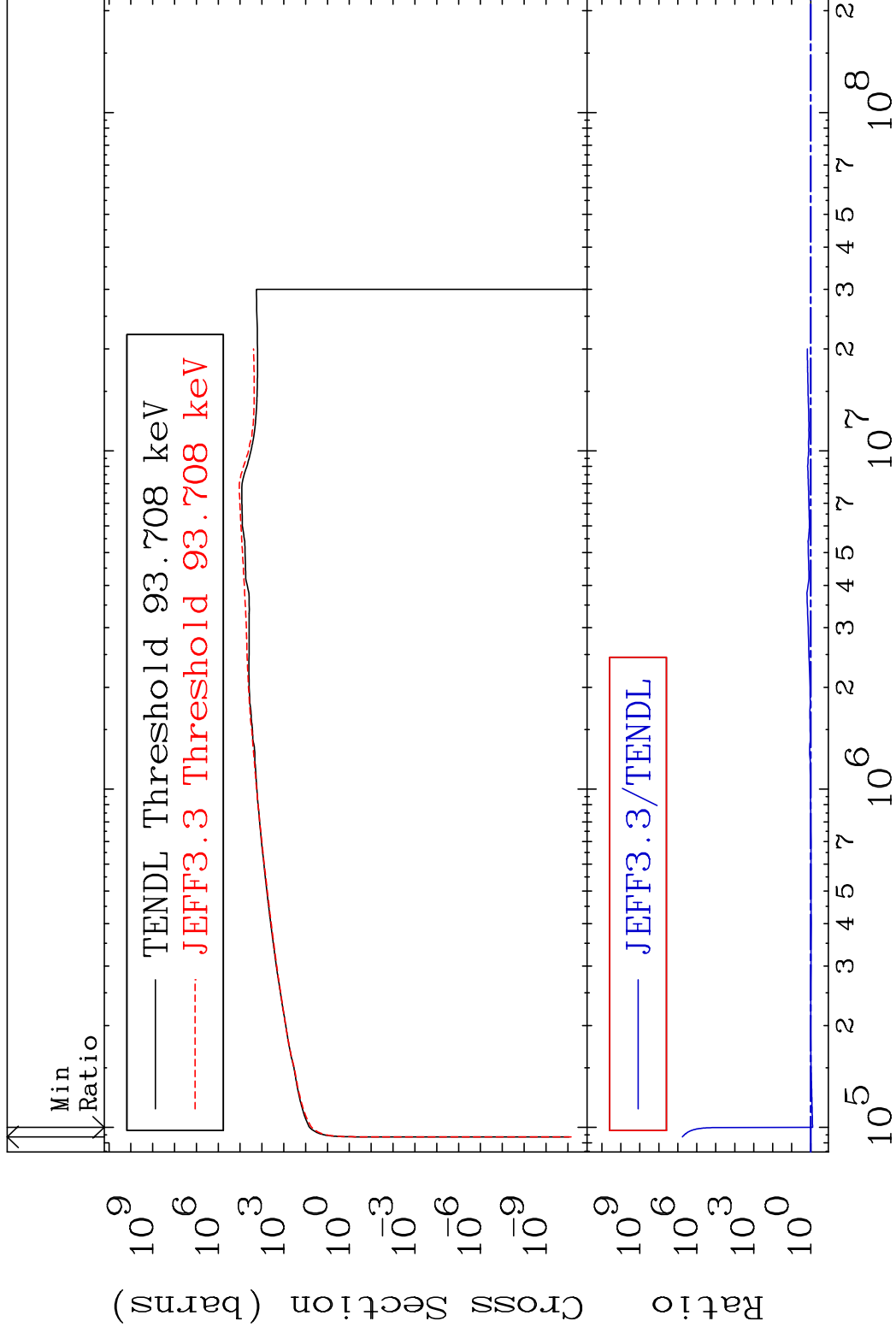
72-Hf-178

MAT 7237

Dpa inelastic (mt51-91)

72-Hf-178

Cross Section -20.25 To 9999. %

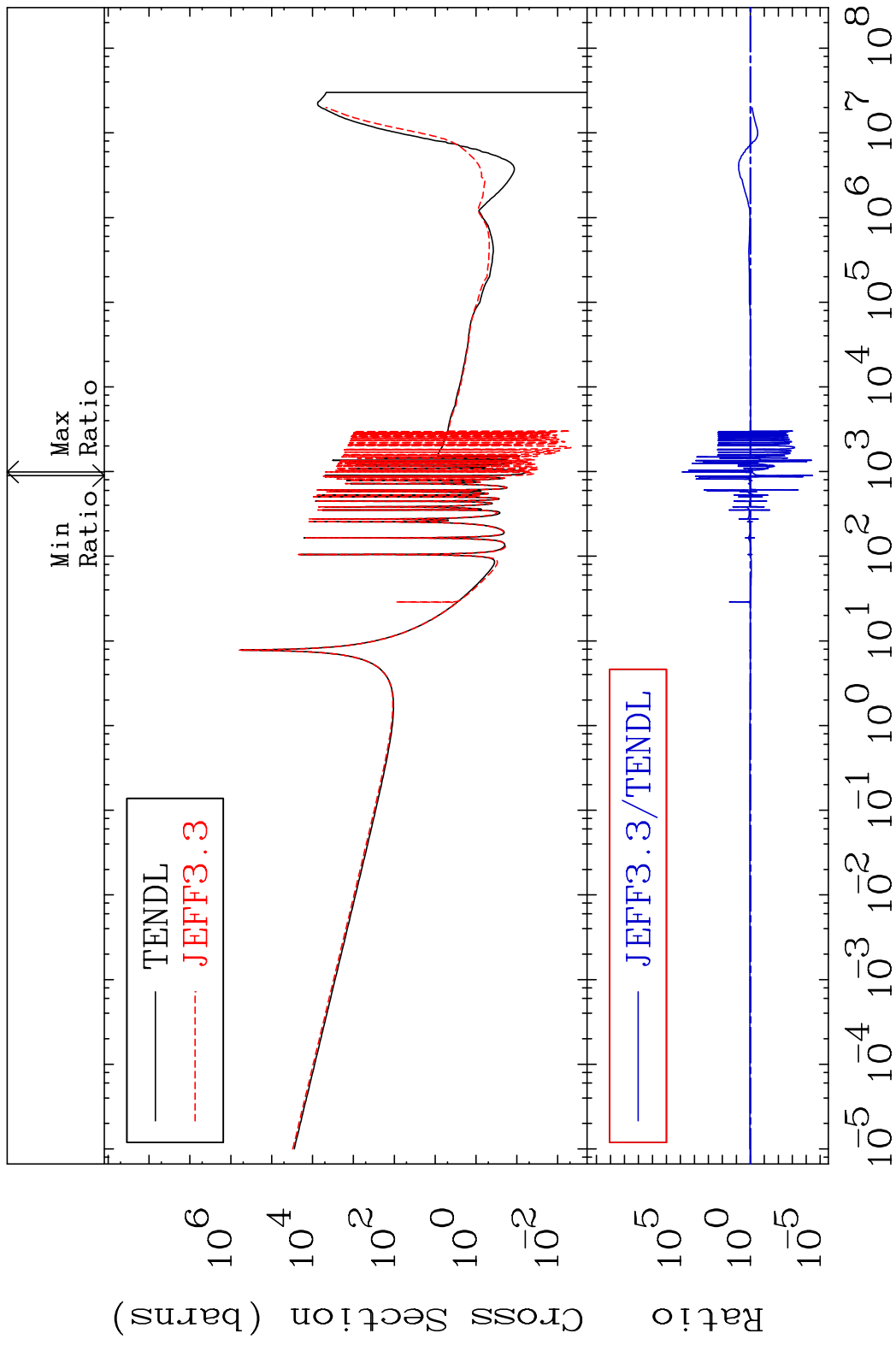


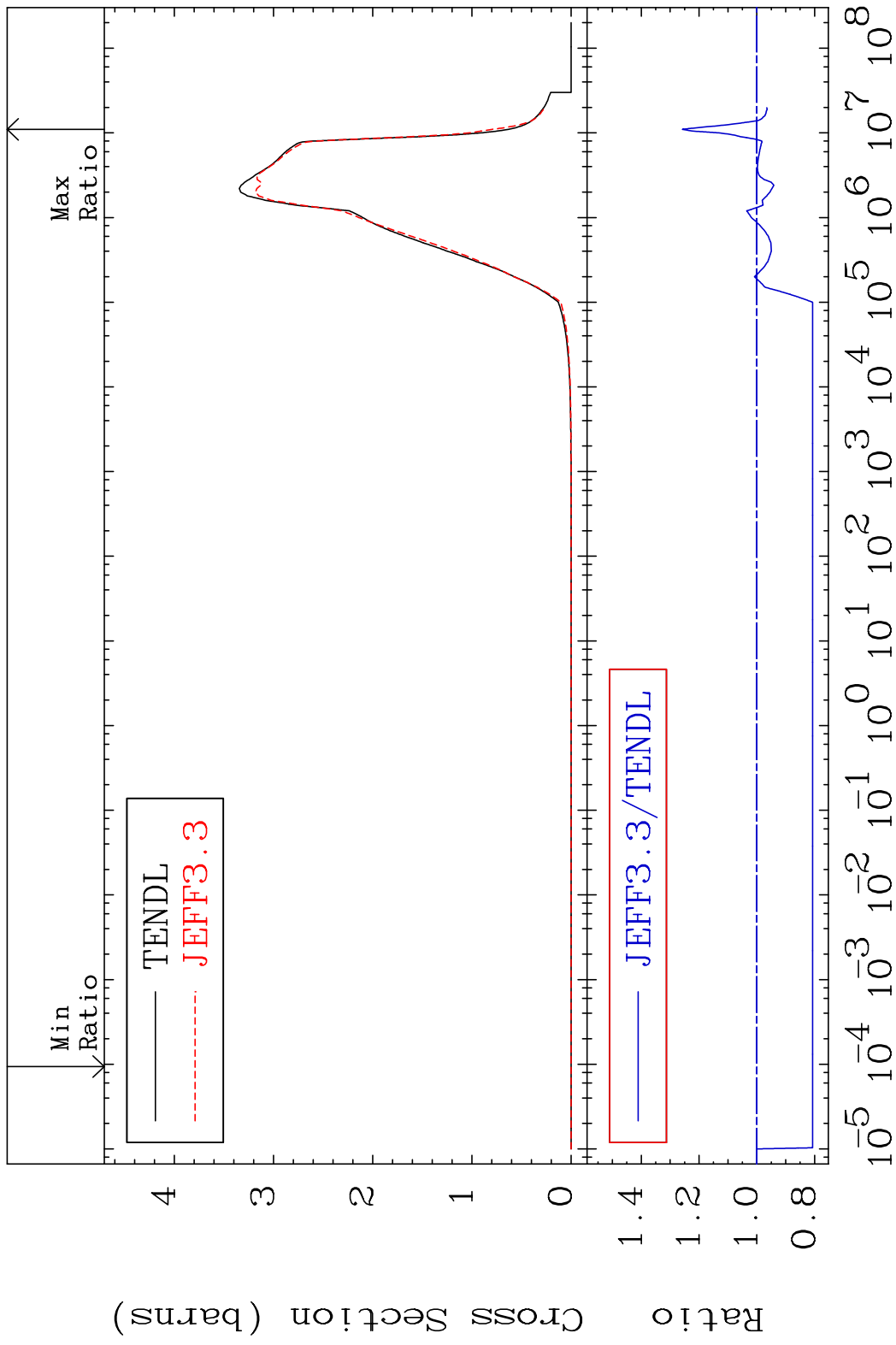
64

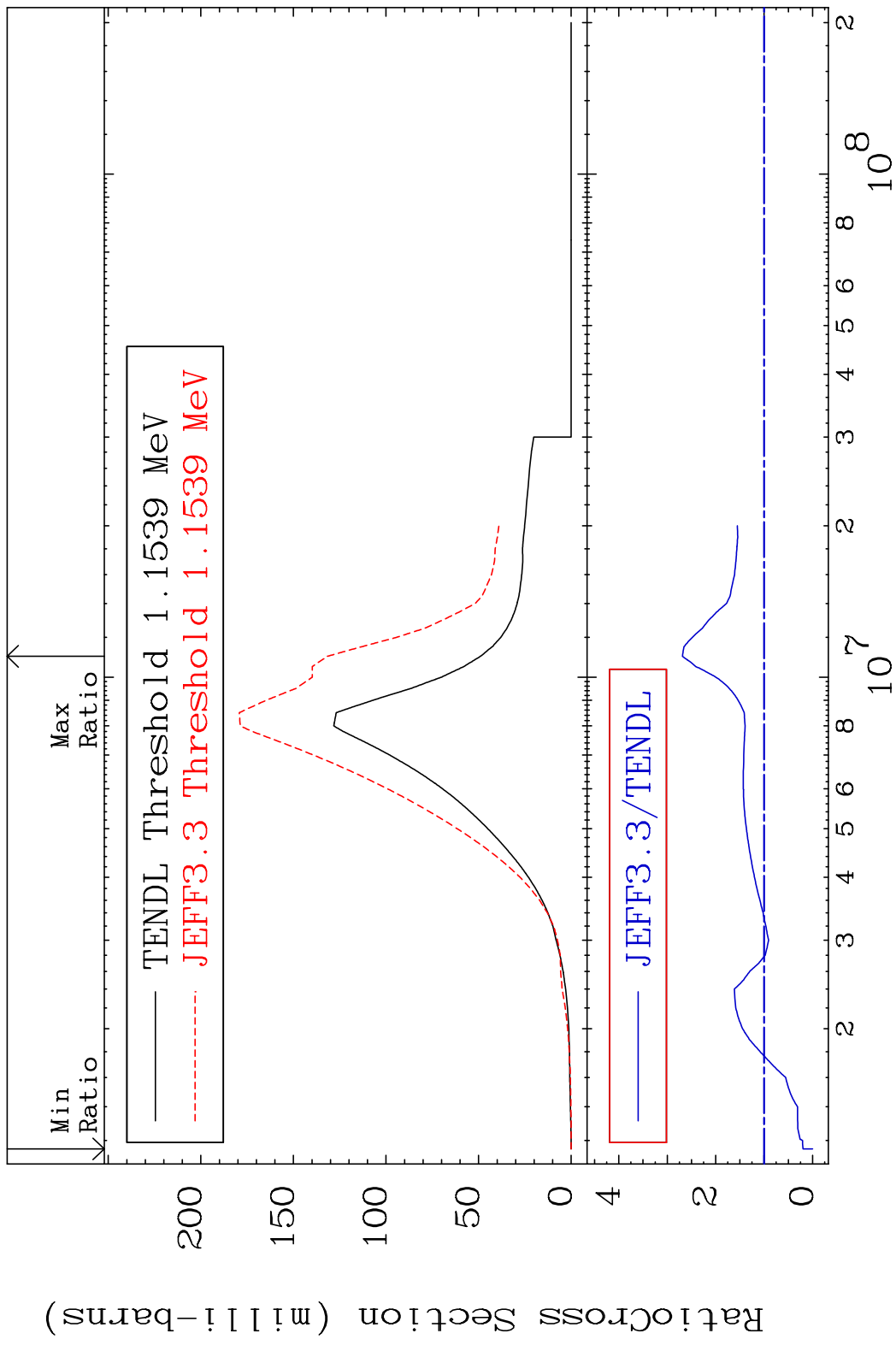
Incident Energy (eV)

72-Hf-178

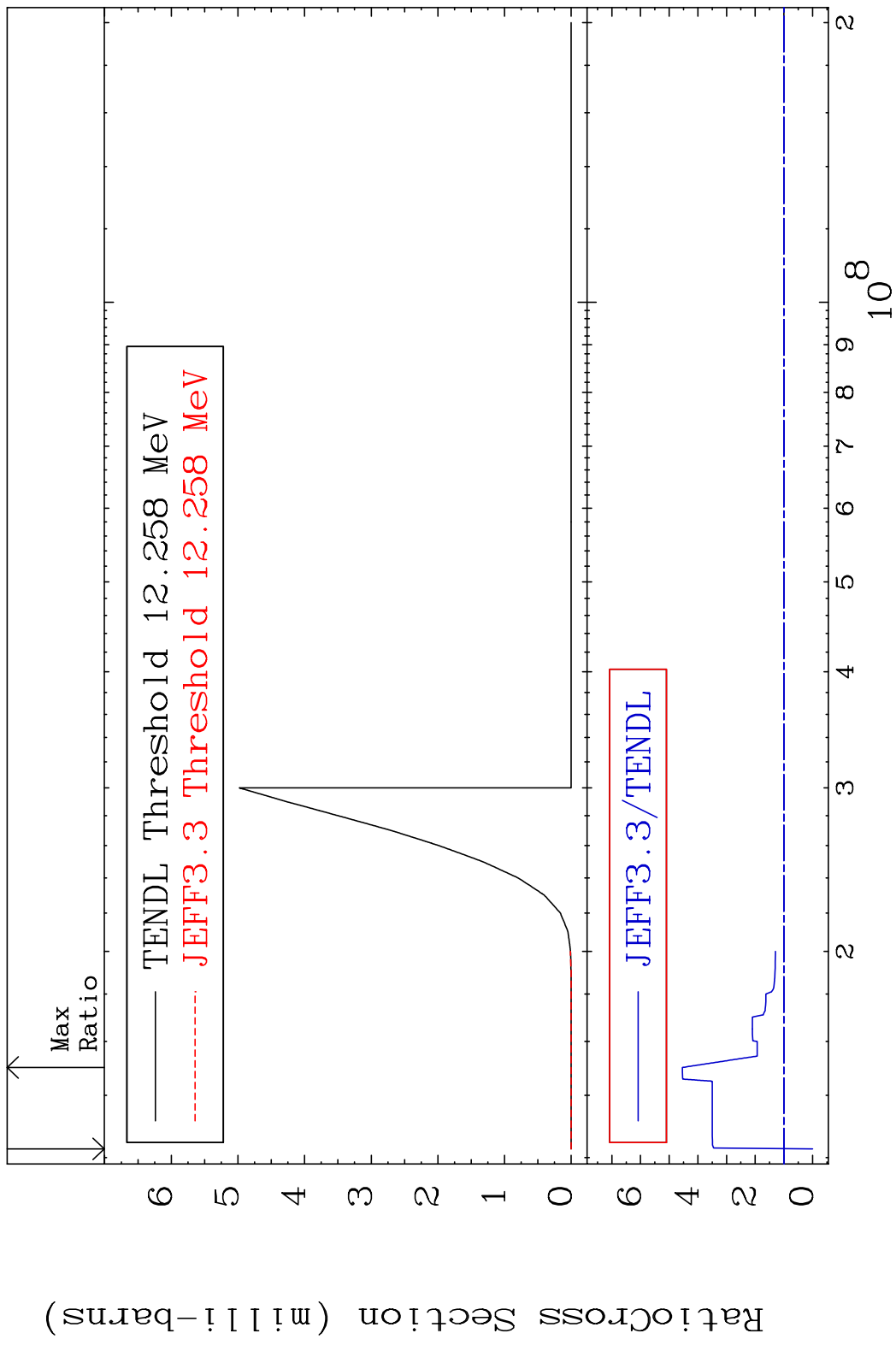
MAT 7237 Dpa disappearance (mt102 -120) 72-Hf-178  
 Cross Section -100.0 To 9999. %

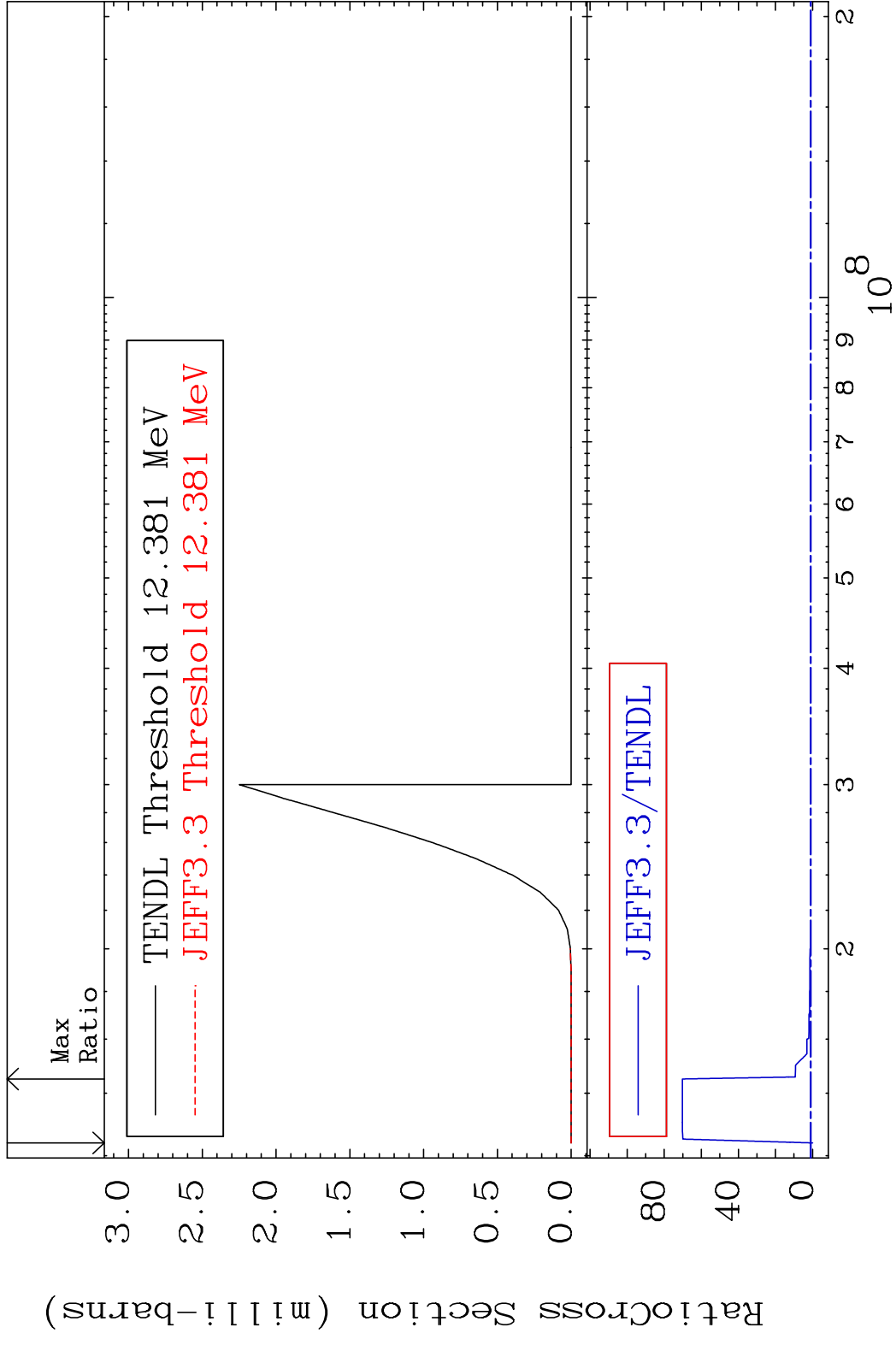




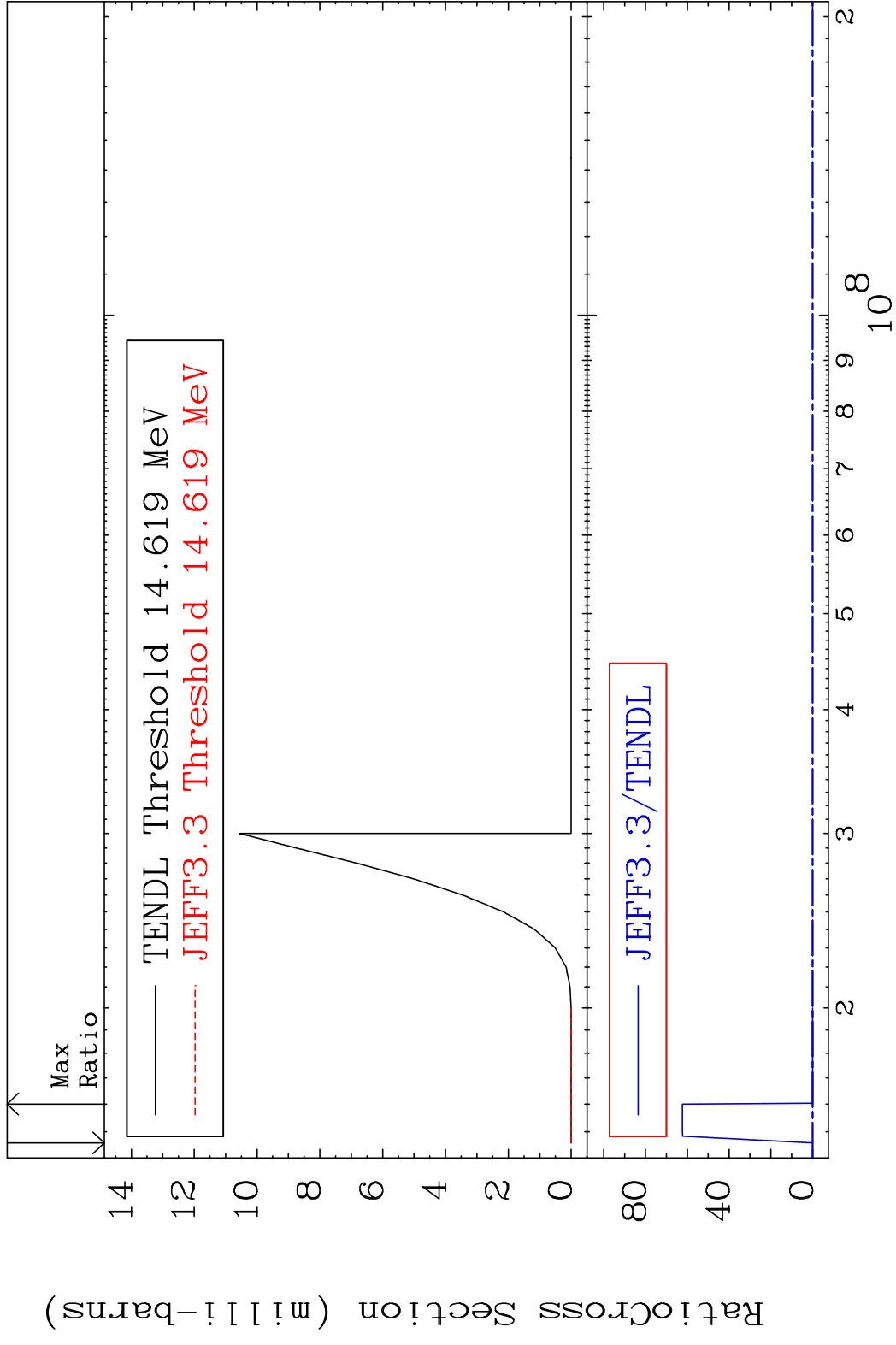


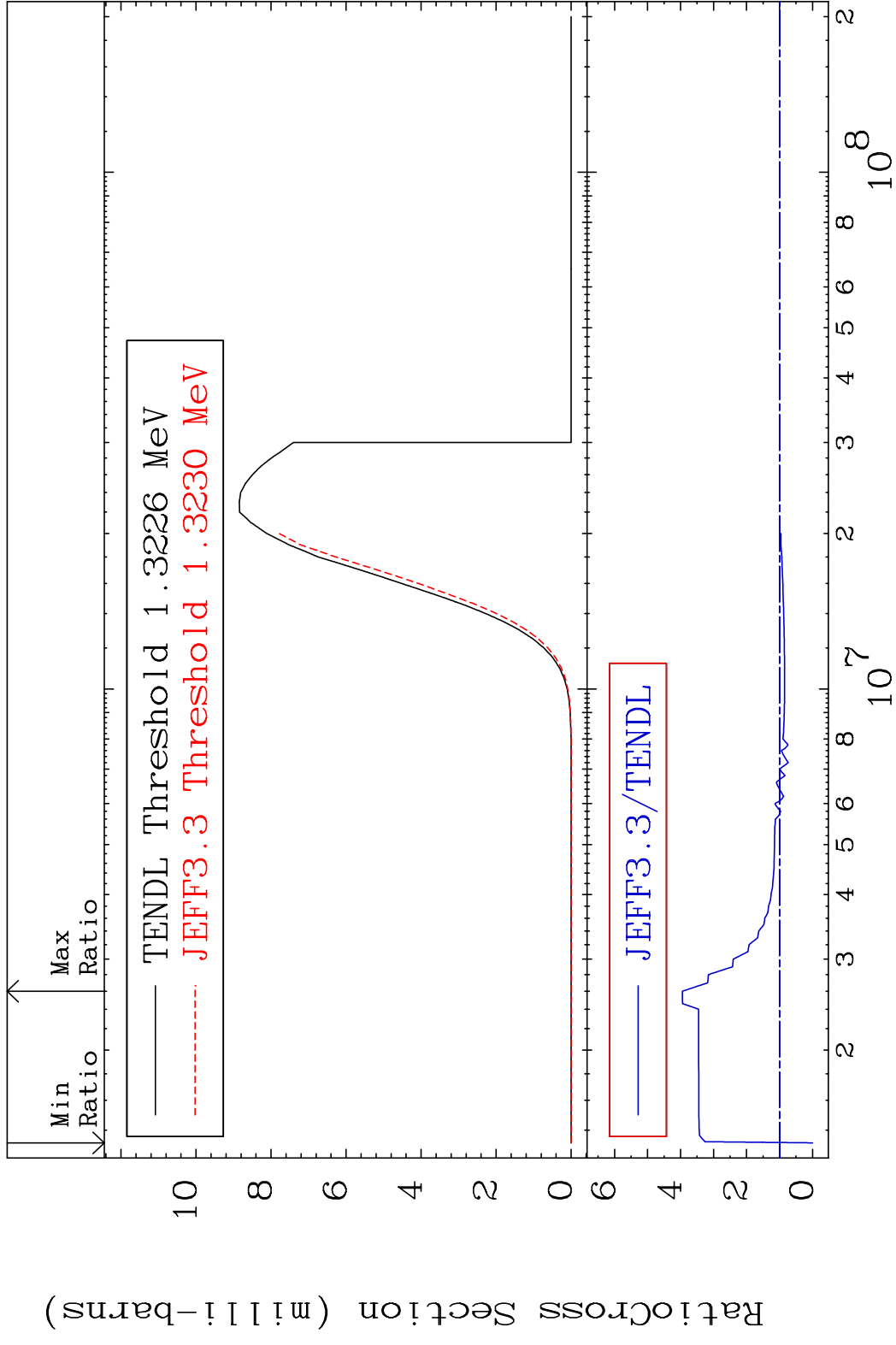
MAT 7237 (n, n') d:71-Lu-176g 72-Hf-178  
 Radionuclide Production Cross Section 180.01 dth 354.1 %

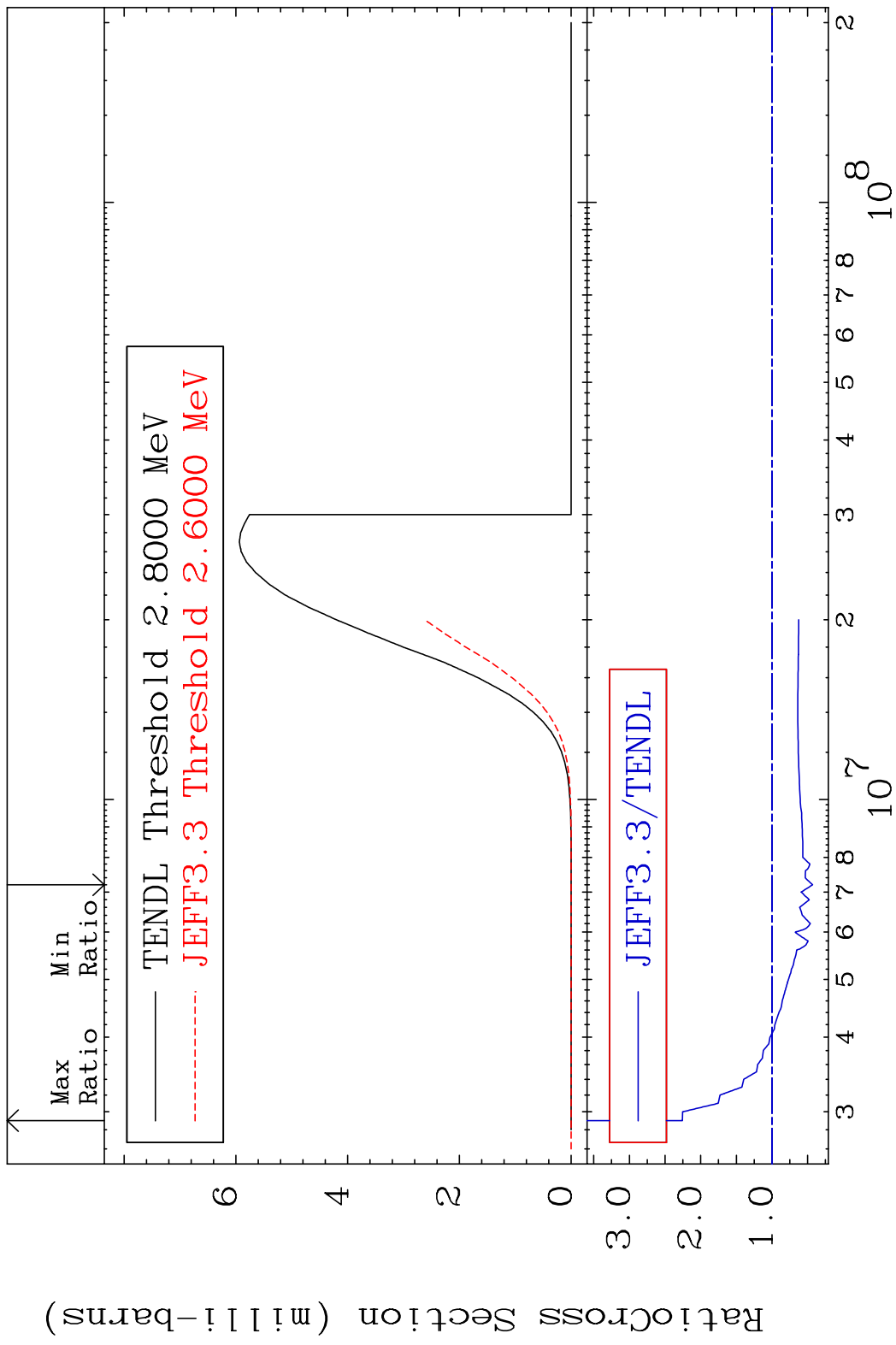




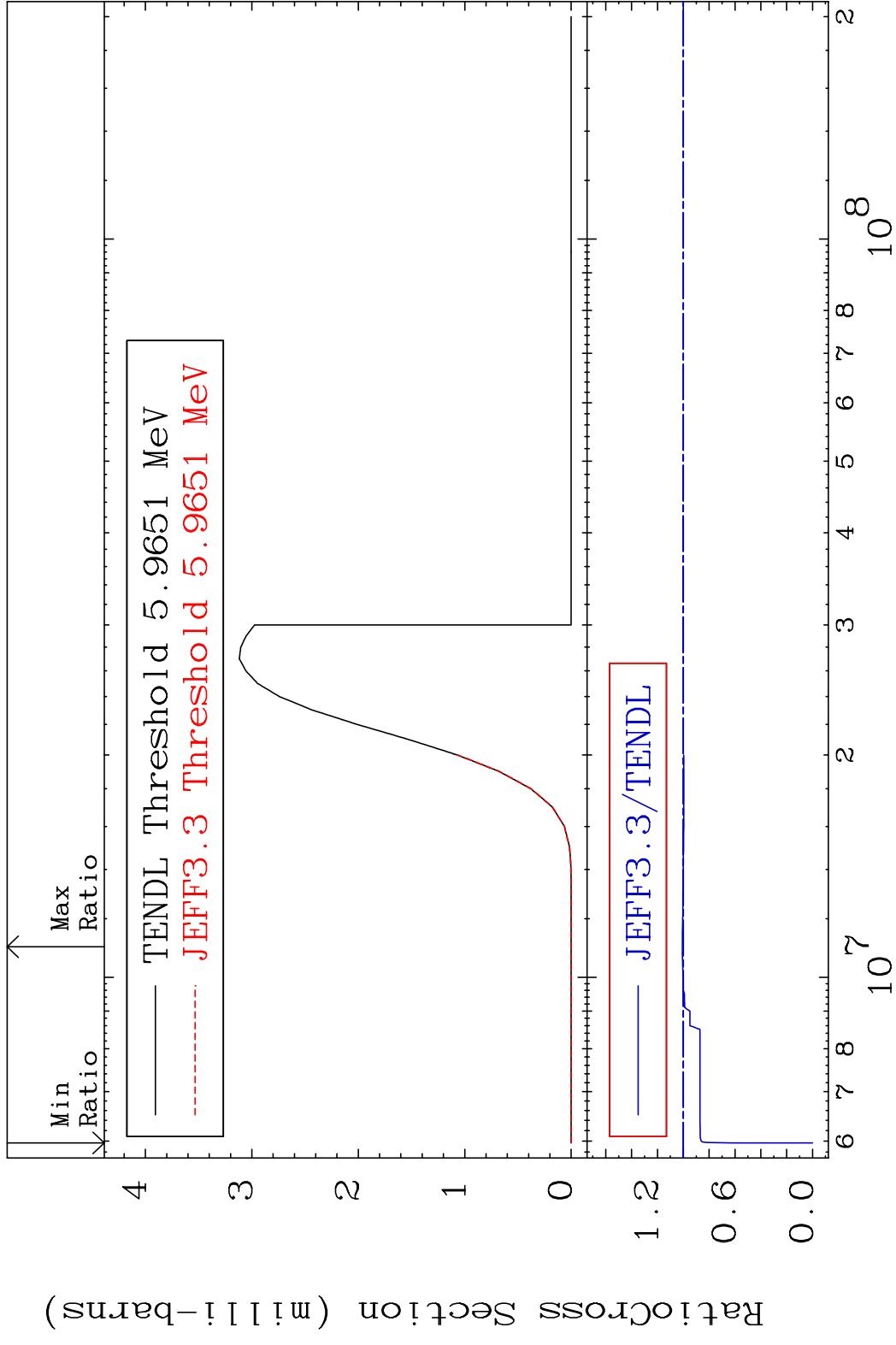




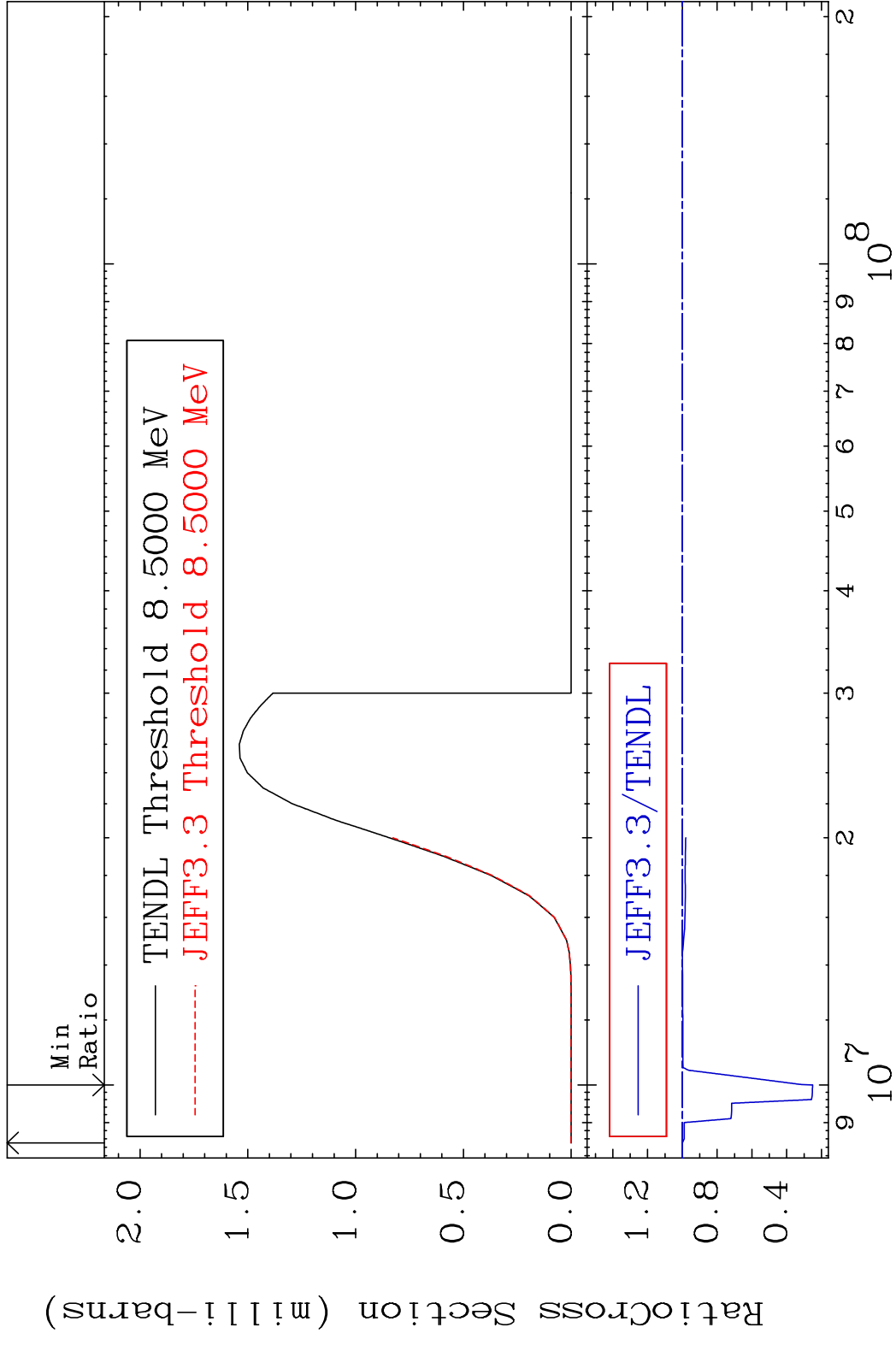




MAT 7237 (n, t):71-Lu-176g 72-Hf-178  
 Radionuclide Production Cross Section Ratio 0.738 %

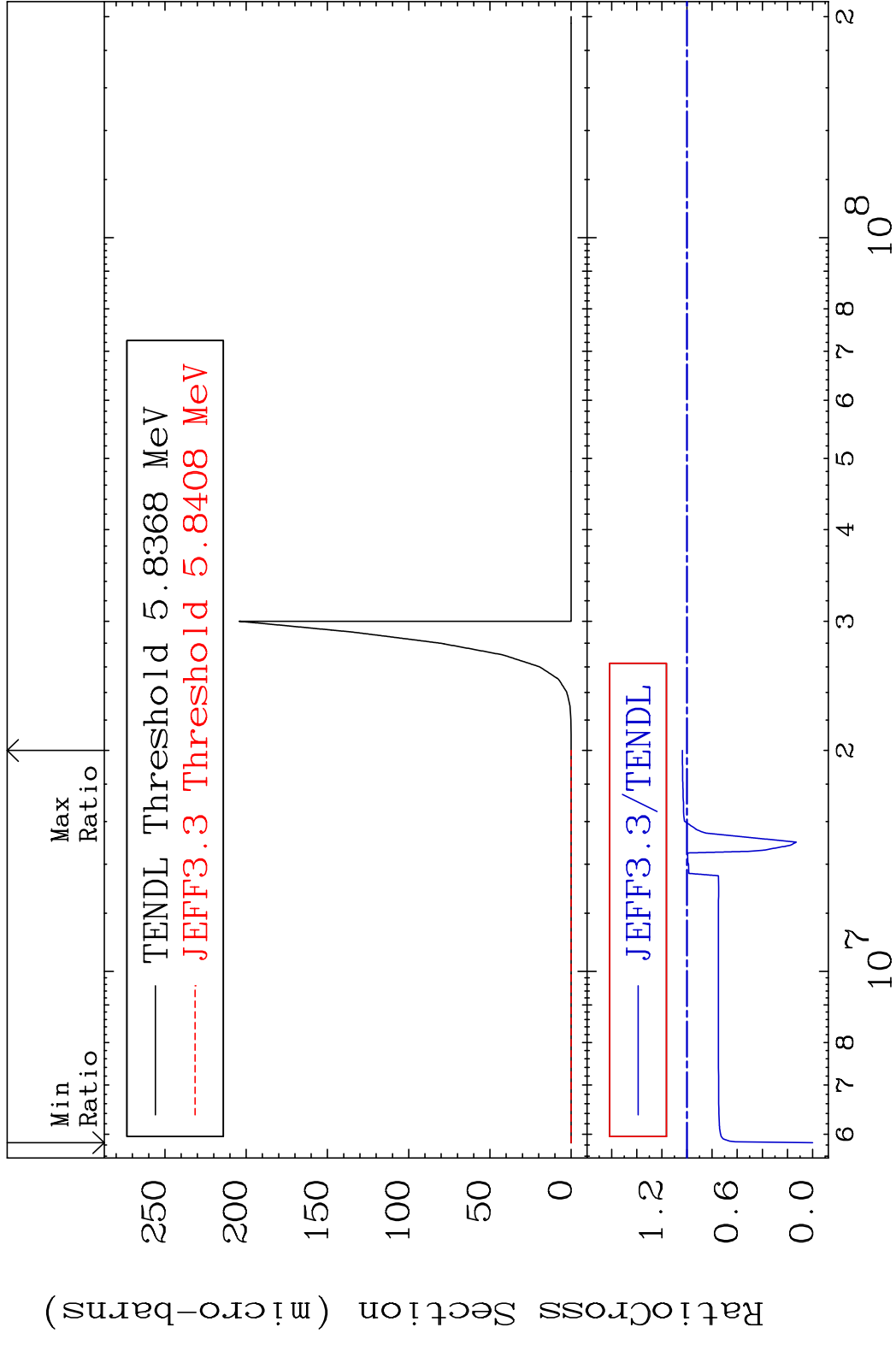


MAT 7237 (n, t):71-Lu-176m1 72-Hf-178  
 Radionuclide Production Cross Section 0.000 %



75 Incident Energy (eV) 72-Hf-178

MAT 7237 (n, He-3) : 70-Yb-176g 72-Hf-178  
 Radionuclide Production Cross Section Ratio 3.690 %



76 Incident Energy (eV) 72-Hf-178

