

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

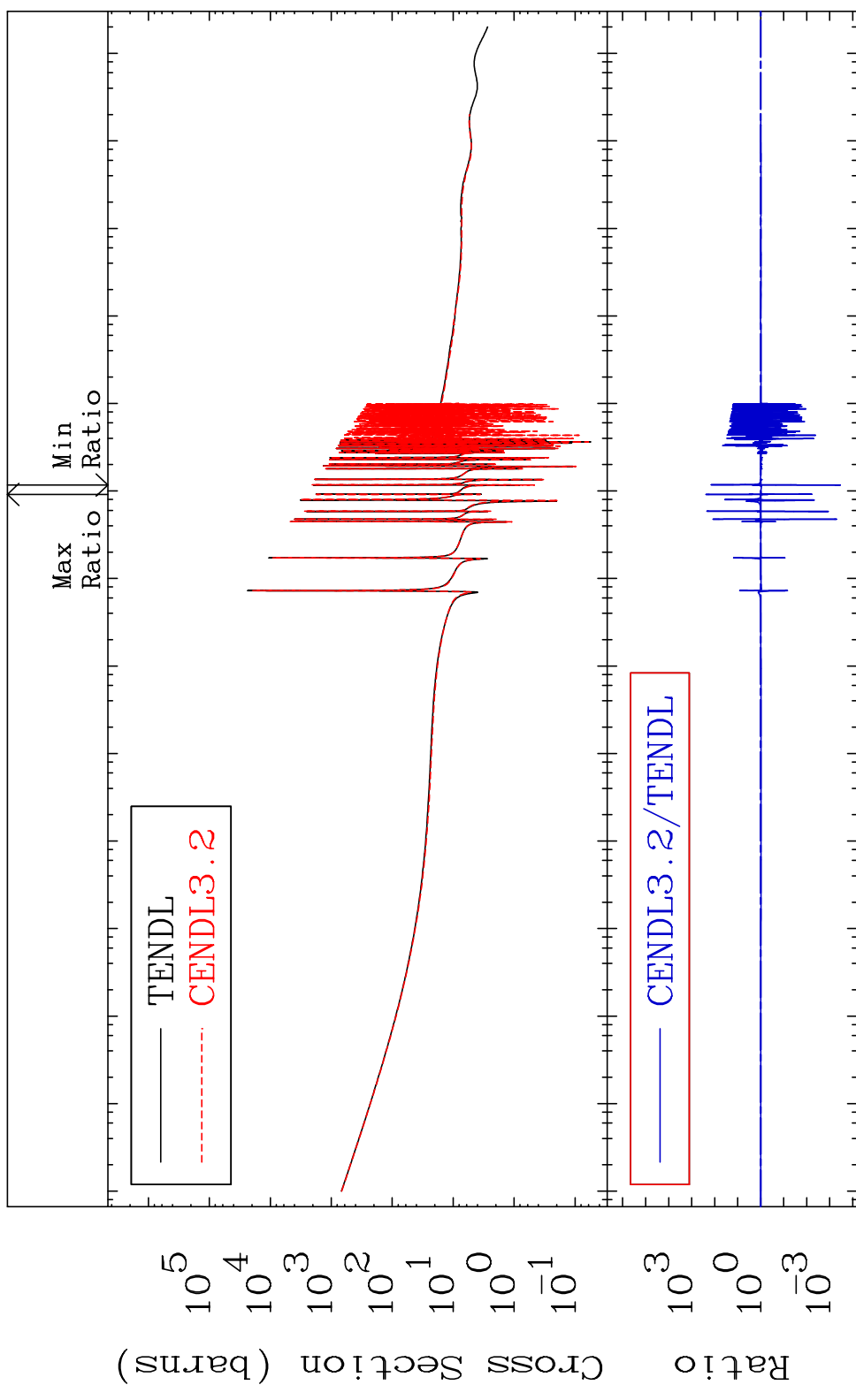
MAT 7243

Total

72-Hf-180

Cross Section

-99.97 To 9999. %



1

Incident Energy (eV)

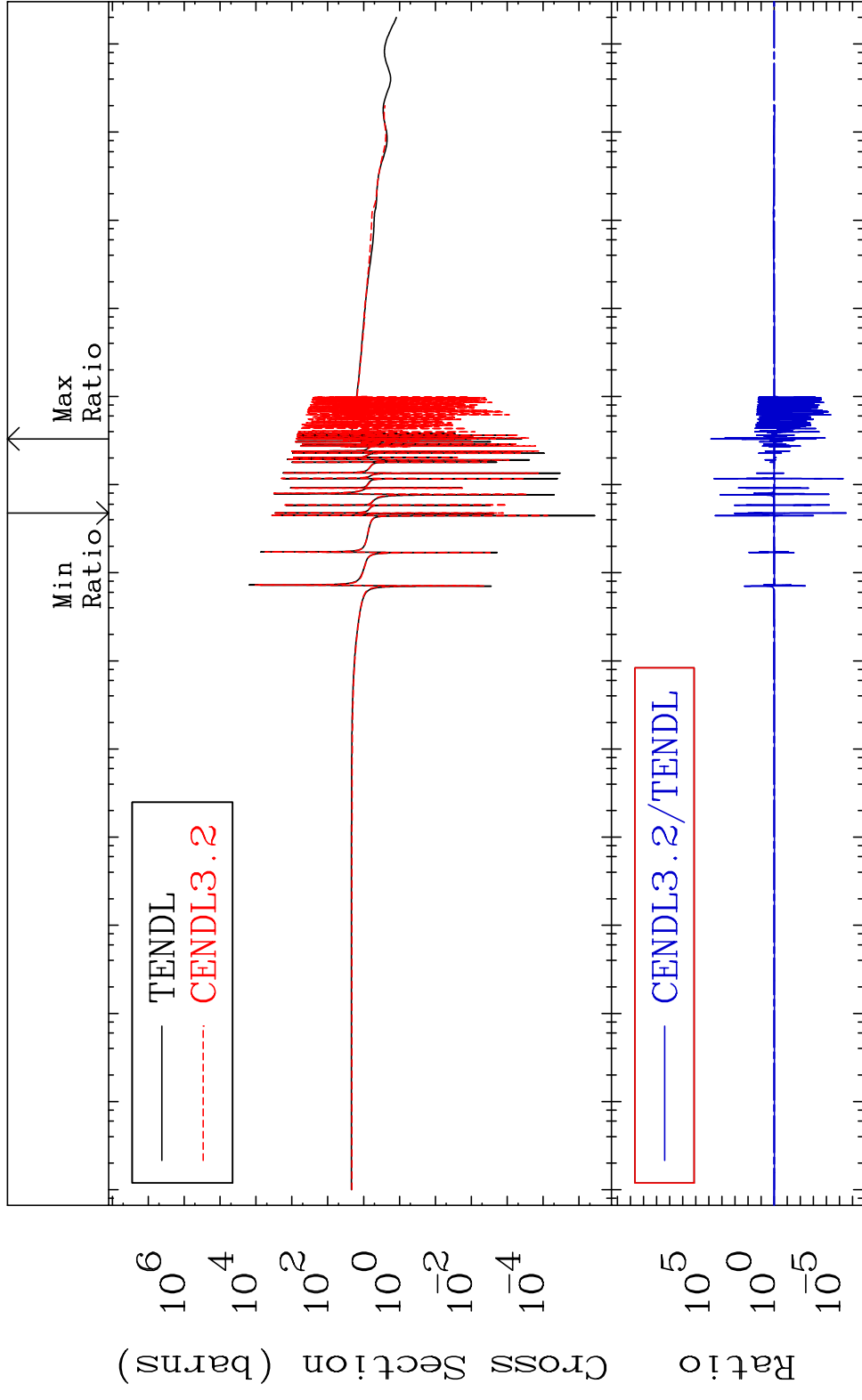
72-Hf-180

MAT 7243

72-Hf-180

Elastic

Cross Section -100.0 To 9999. %

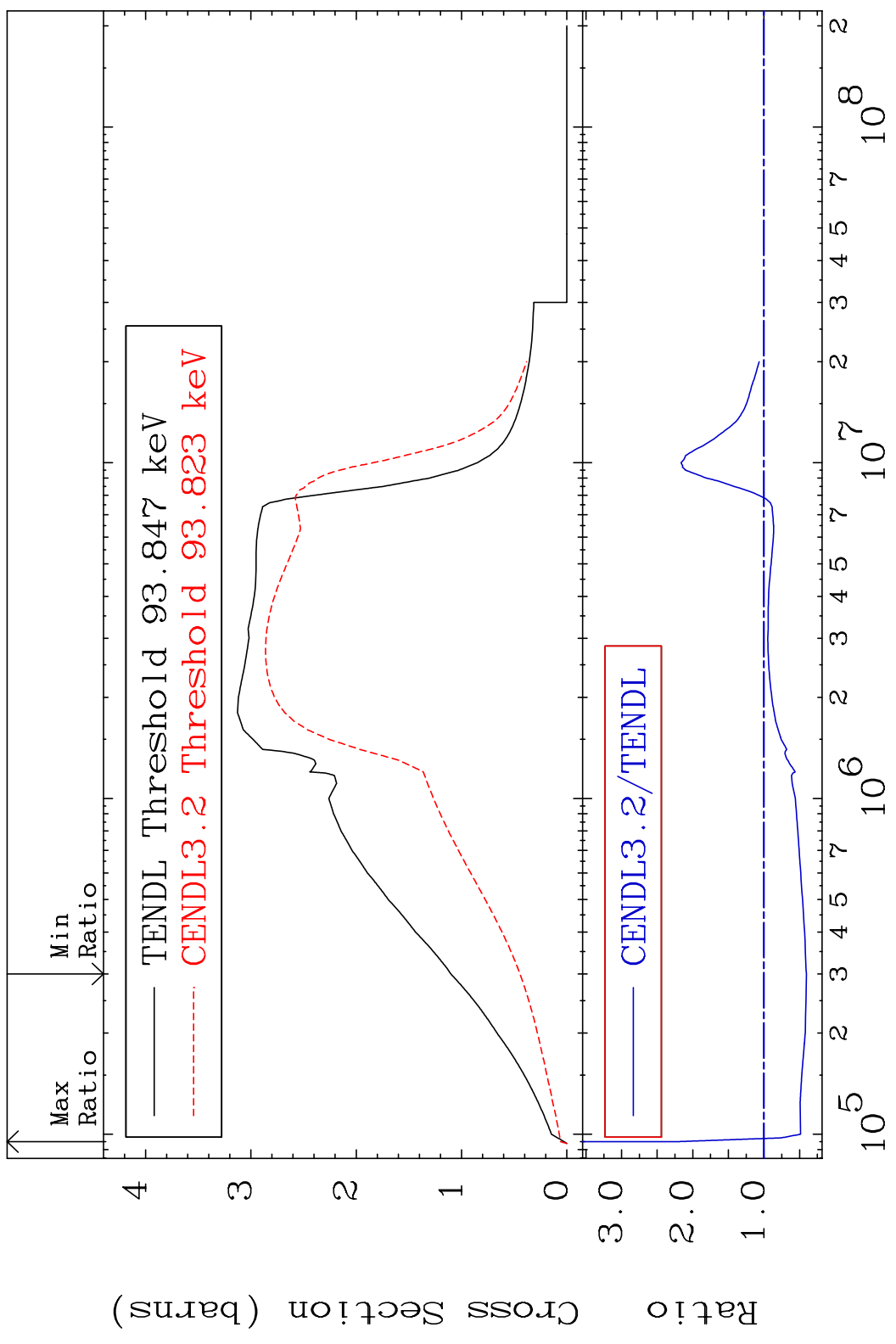


MAT 7243

Inelastic

72-Hf-180

Cross Section -59.59 To 121.9 %



3

Incident Energy (eV)

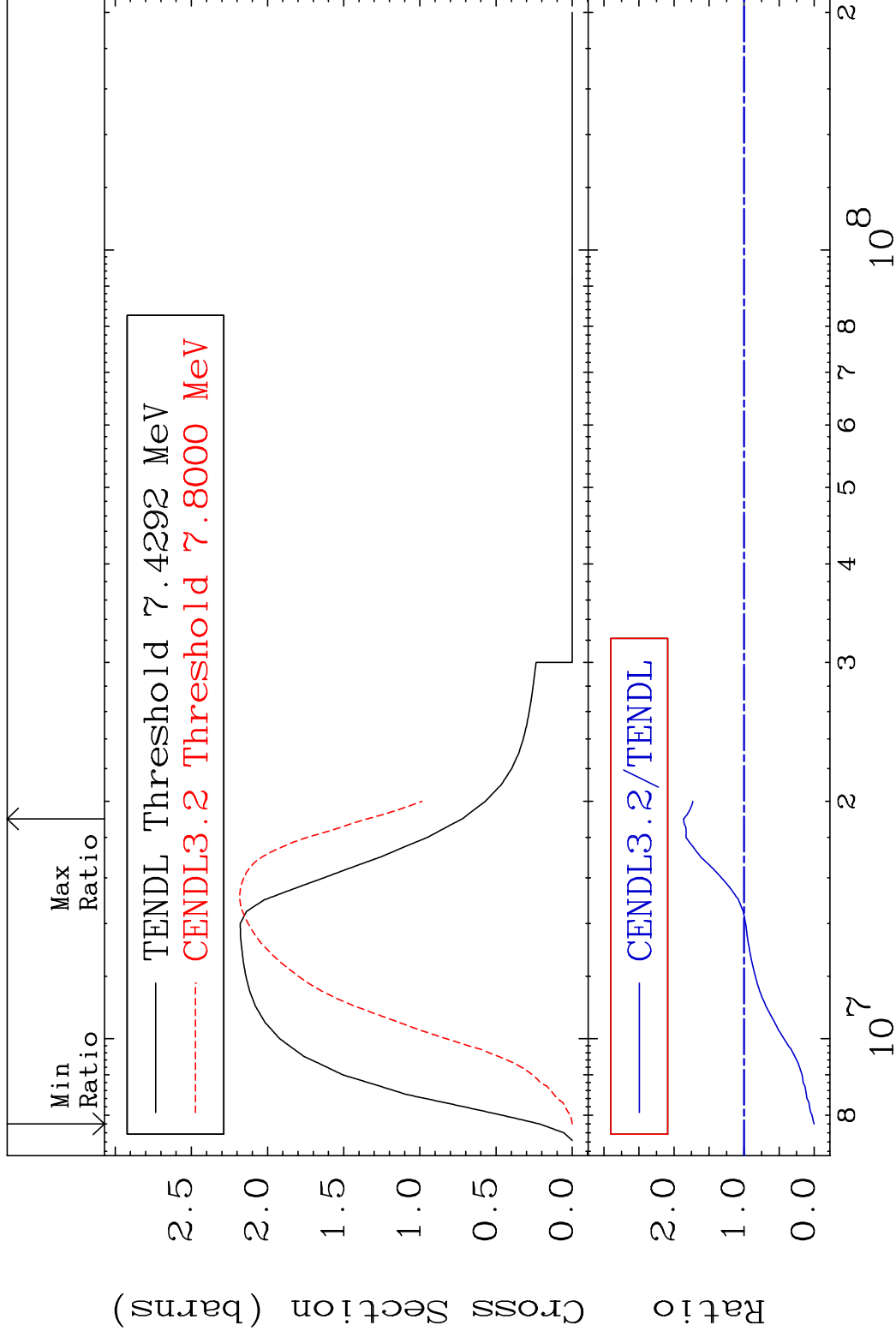
72-Hf-180

MAT 7243

(n,2n)

72-Hf-180

Cross Section -100.0 To 86.25 %



4

Incident Energy (eV)

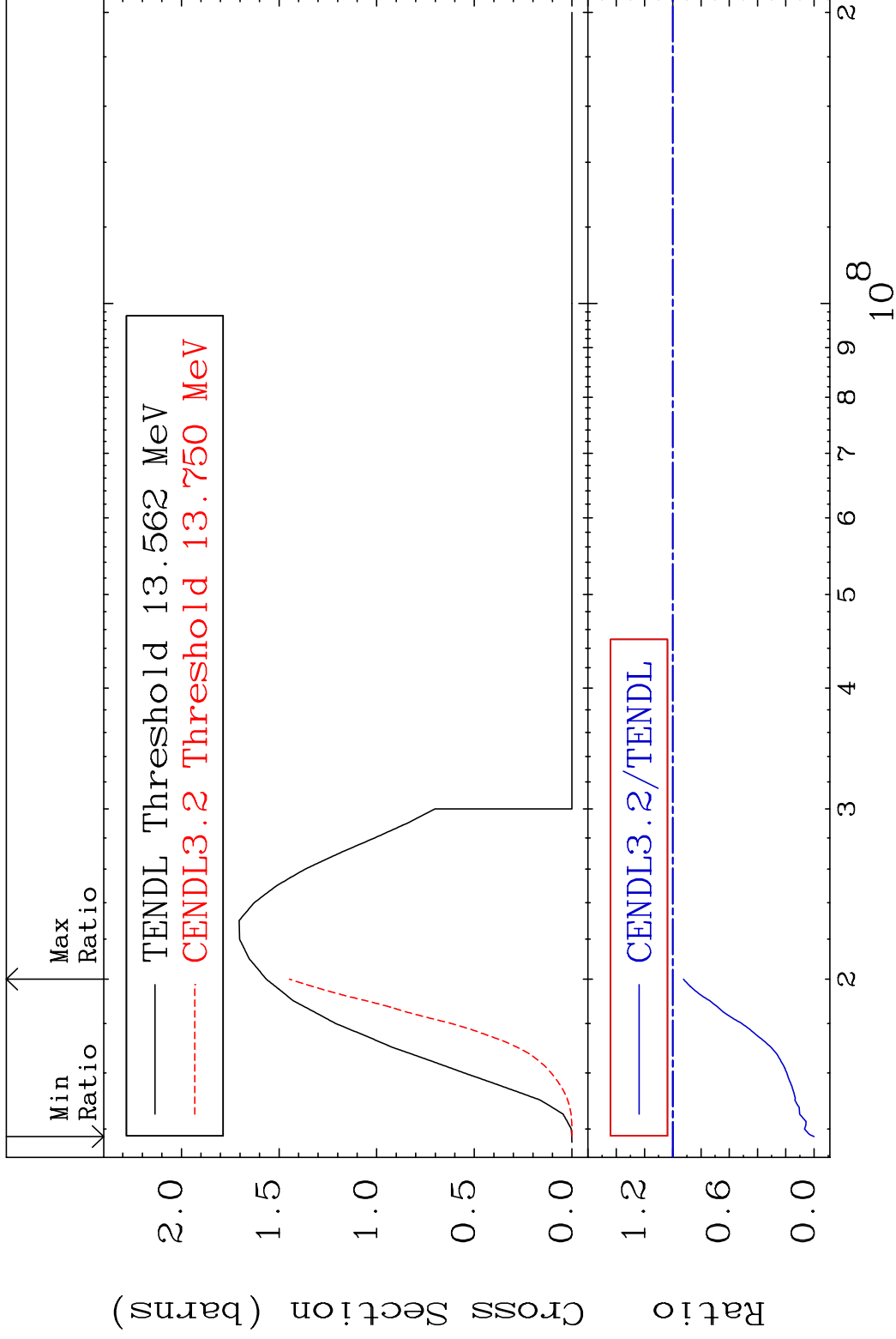
72-Hf-180

MAT 7243

(n,3n)

72-Hf-180

Cross Section -100.0 To -7.572%



5

Incident Energy (eV)

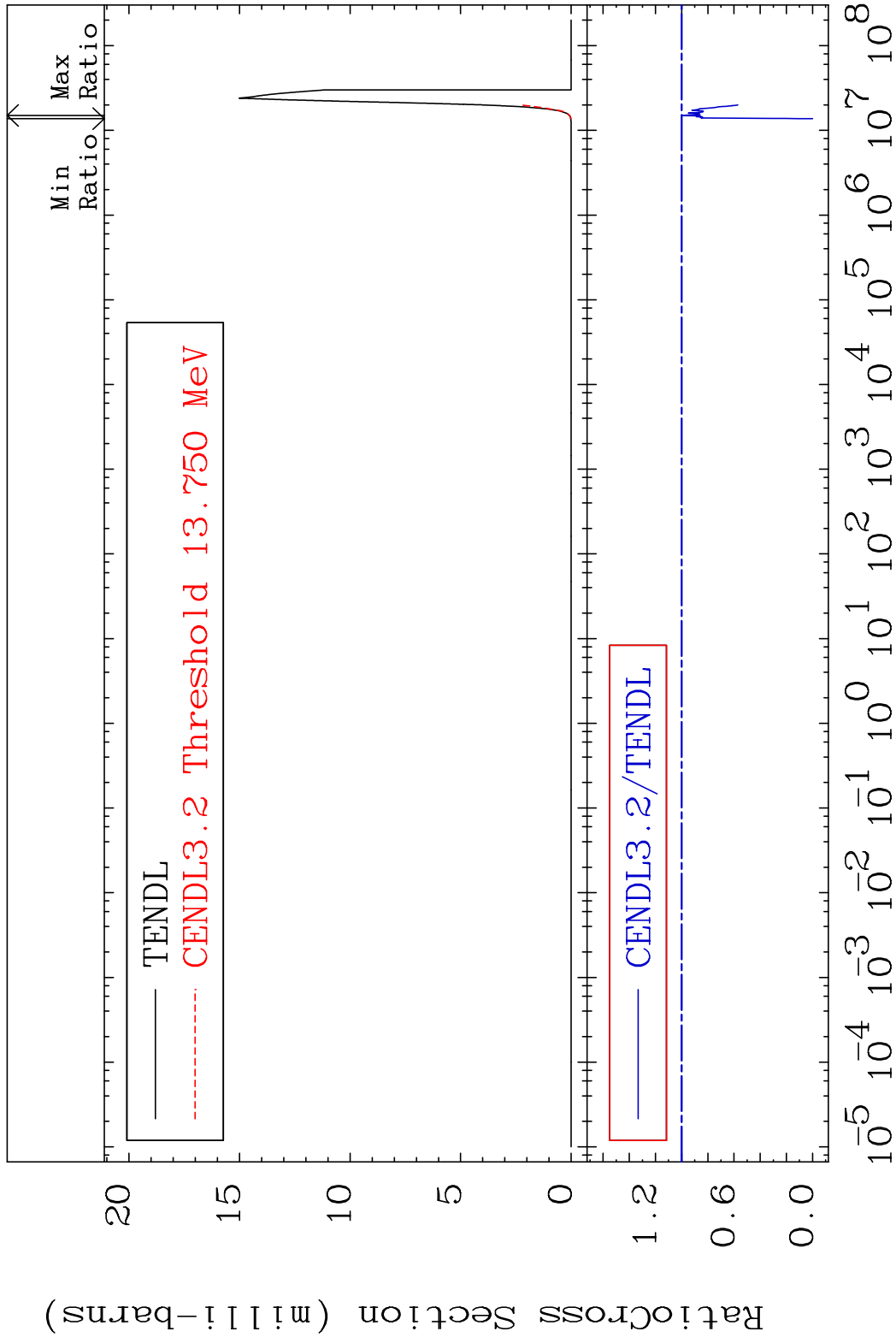
72-Hf-180

MAT 7243

(n, n')  $\alpha$

72-Hf-180

Cross Section -100.0 To -0.522%



6

Incident Energy (eV)

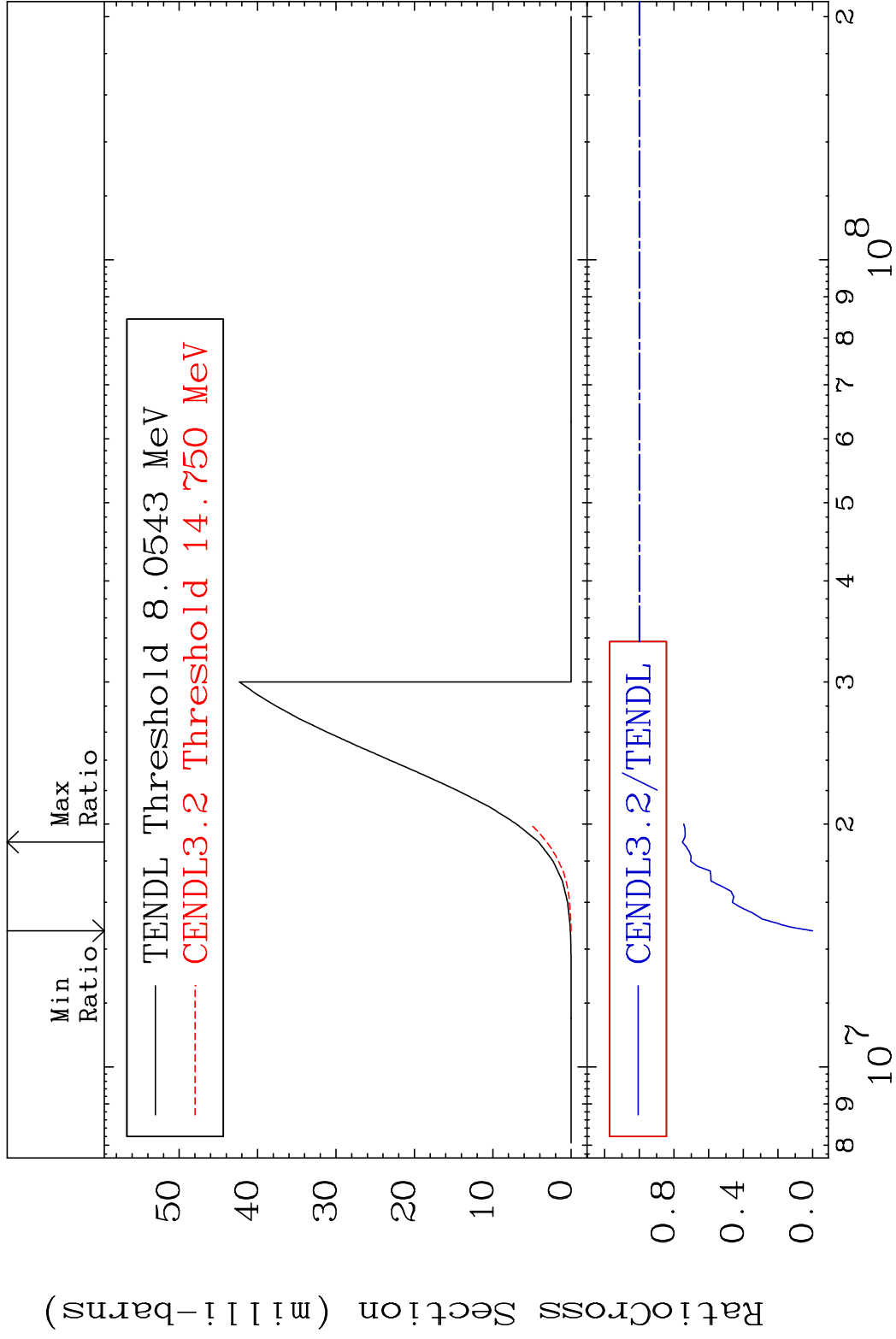
72-Hf-180

MAT 7243

(n, n') p

72-Hf-180

Cross Section -100.0 To -24.84%



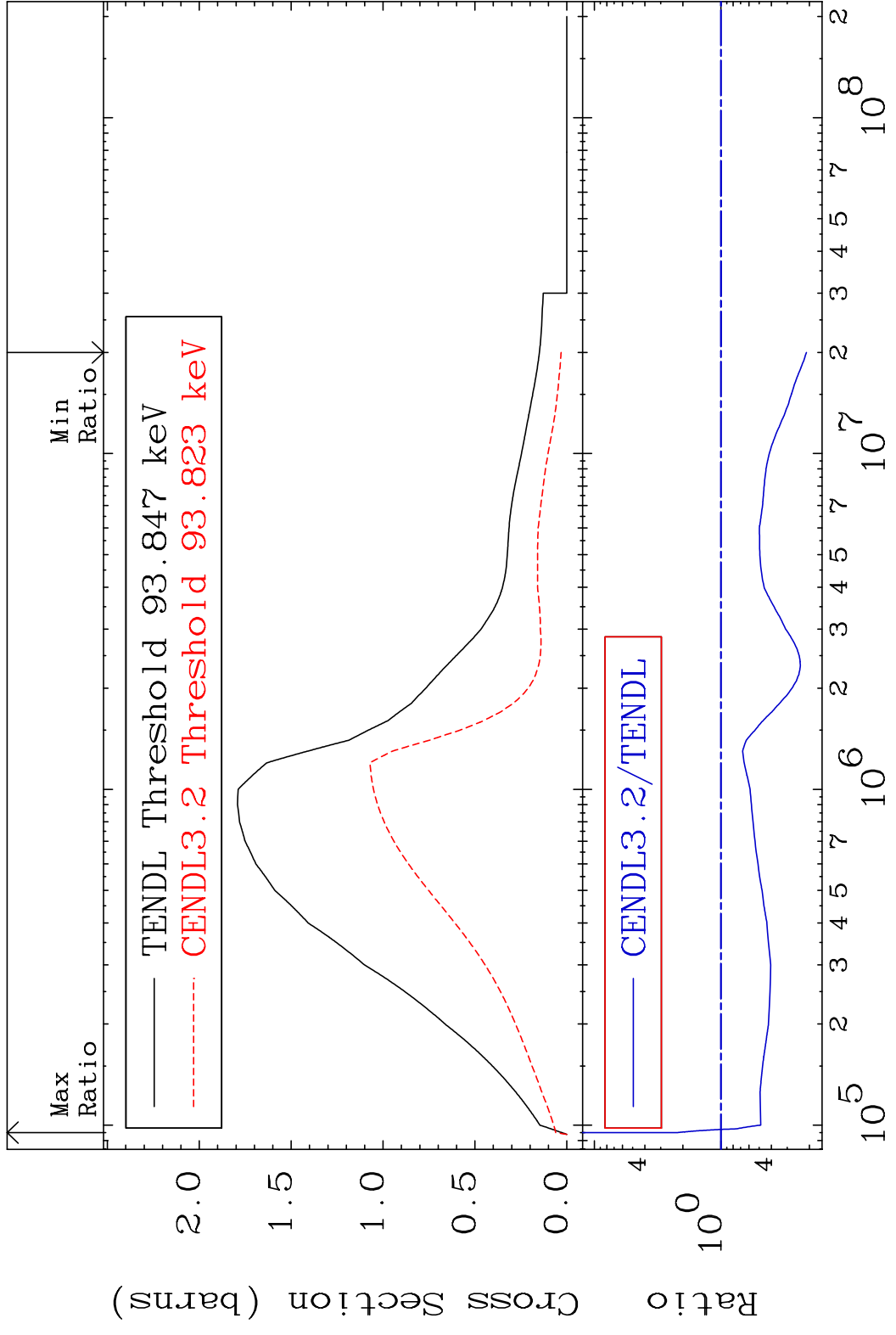
7

Incident Energy (eV)

72-Hf-180

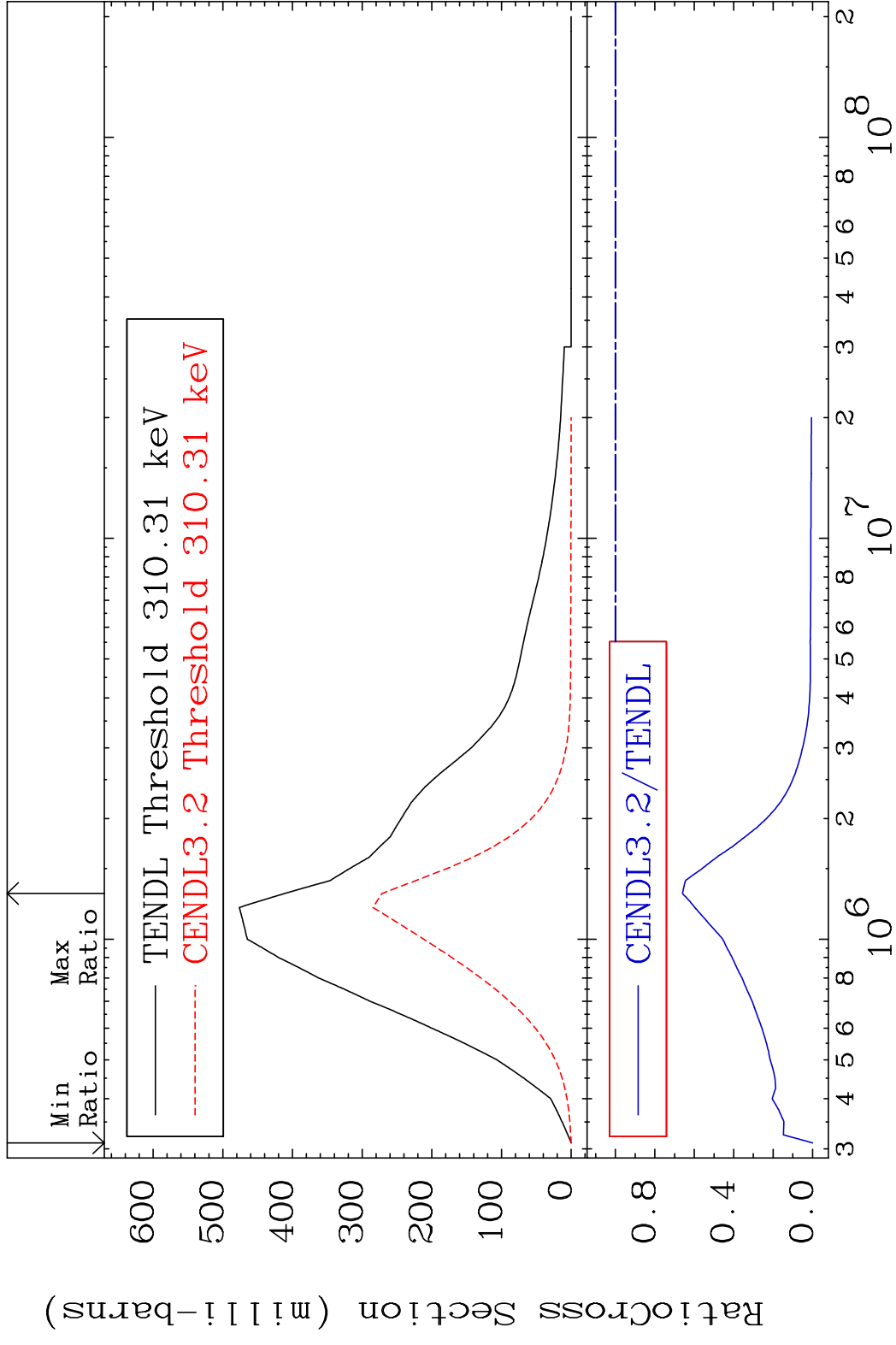


MAT 7243 MT= 51 (n,n') Level 72-Hf-180  
 Cross Section -78.89 To 121.9 %

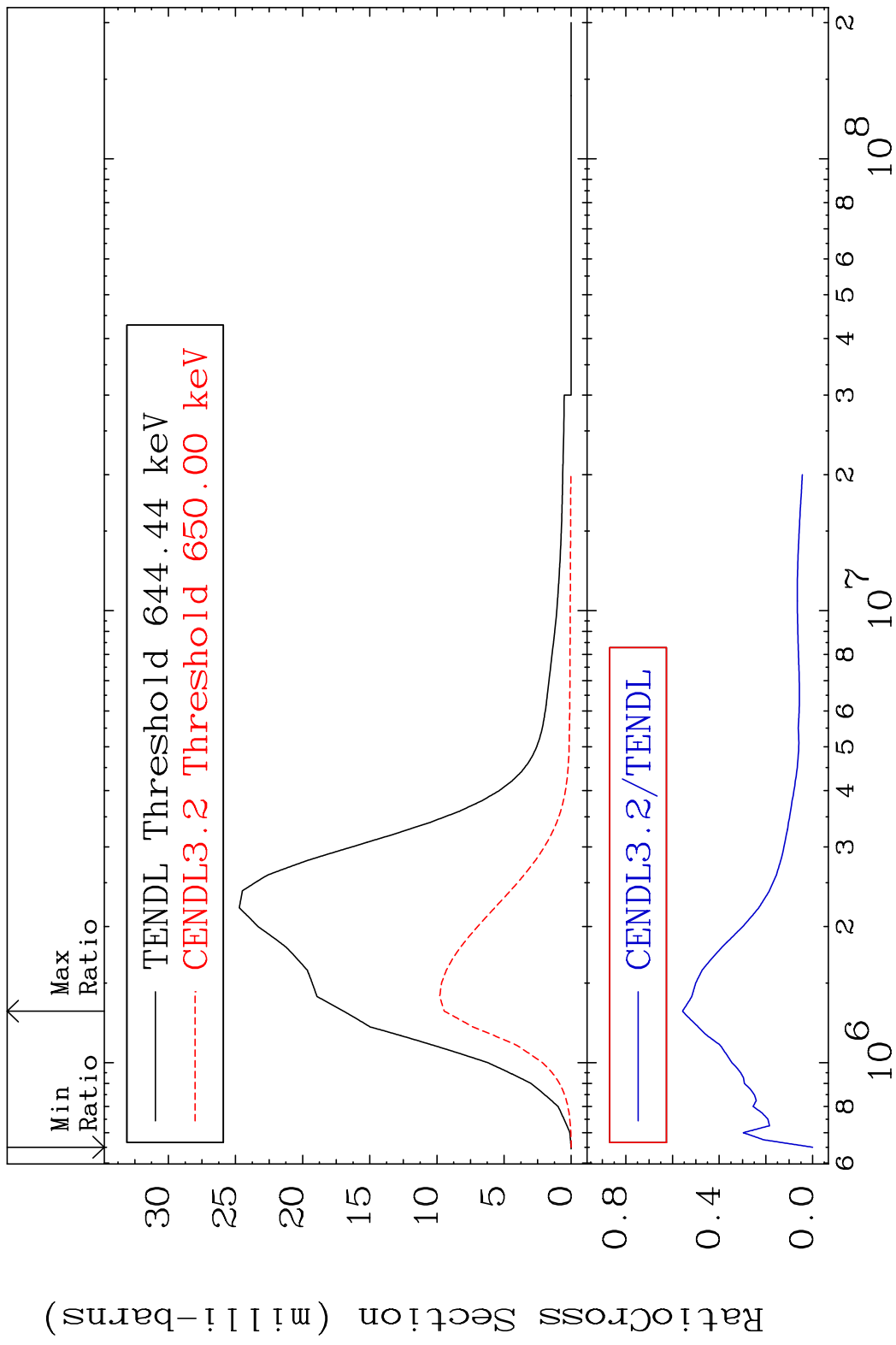


8 Incident Energy (eV) 72-Hf-180

MAT 7243 MT= 52 (n,n') Level 72-Hf-180  
 Cross Section -100.0 To -33.96%

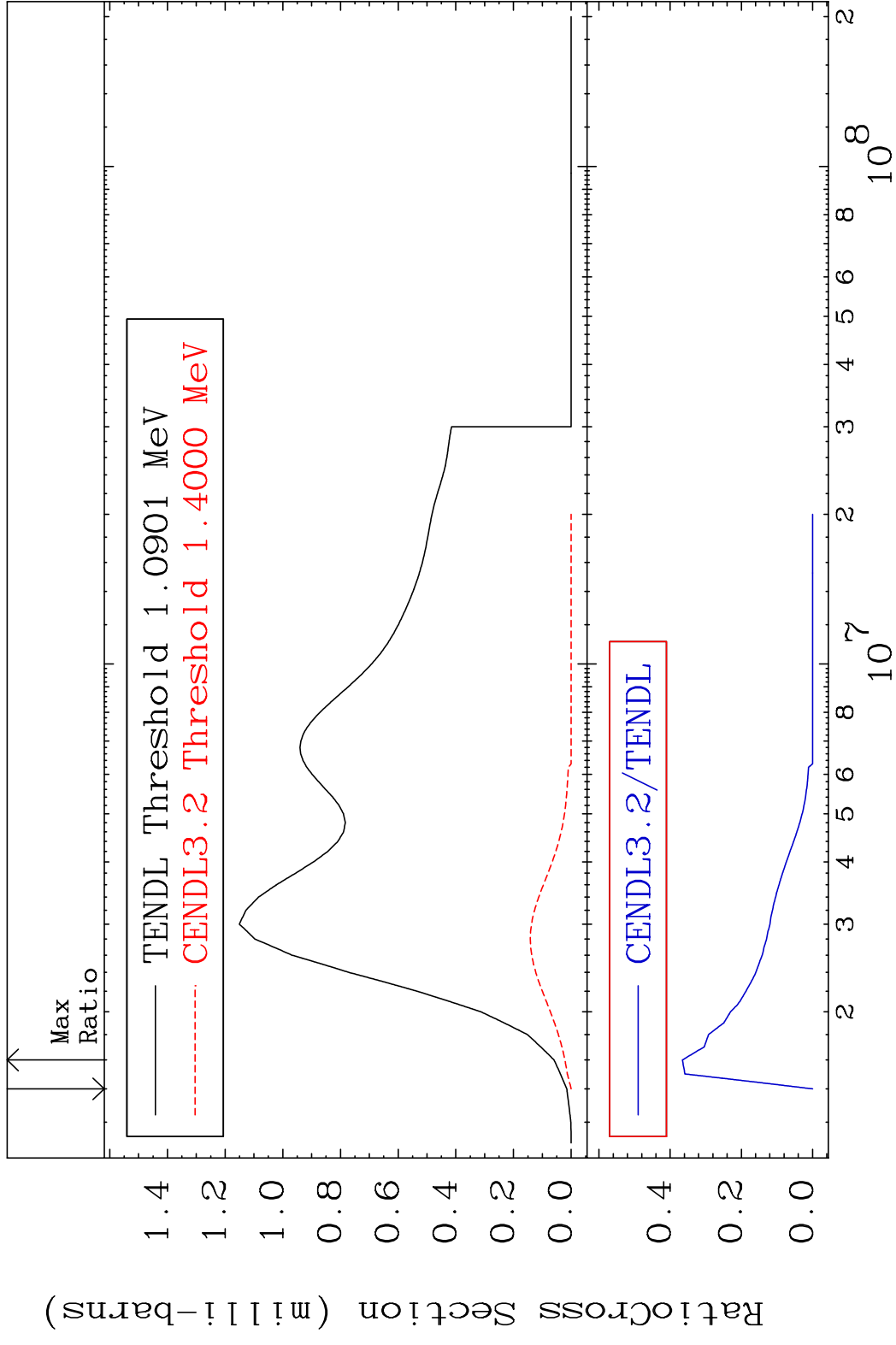


MAT 7243 MT= 53 (n, n') Level 72-Hf-180  
 Cross Section -100.0 To -44.23%



10 Incident Energy (eV) 72-Hf-180

MAT 7243 MT= 54 (n, n') Level 72-Hf-180  
 Cross Section -100.0 To -63.42%

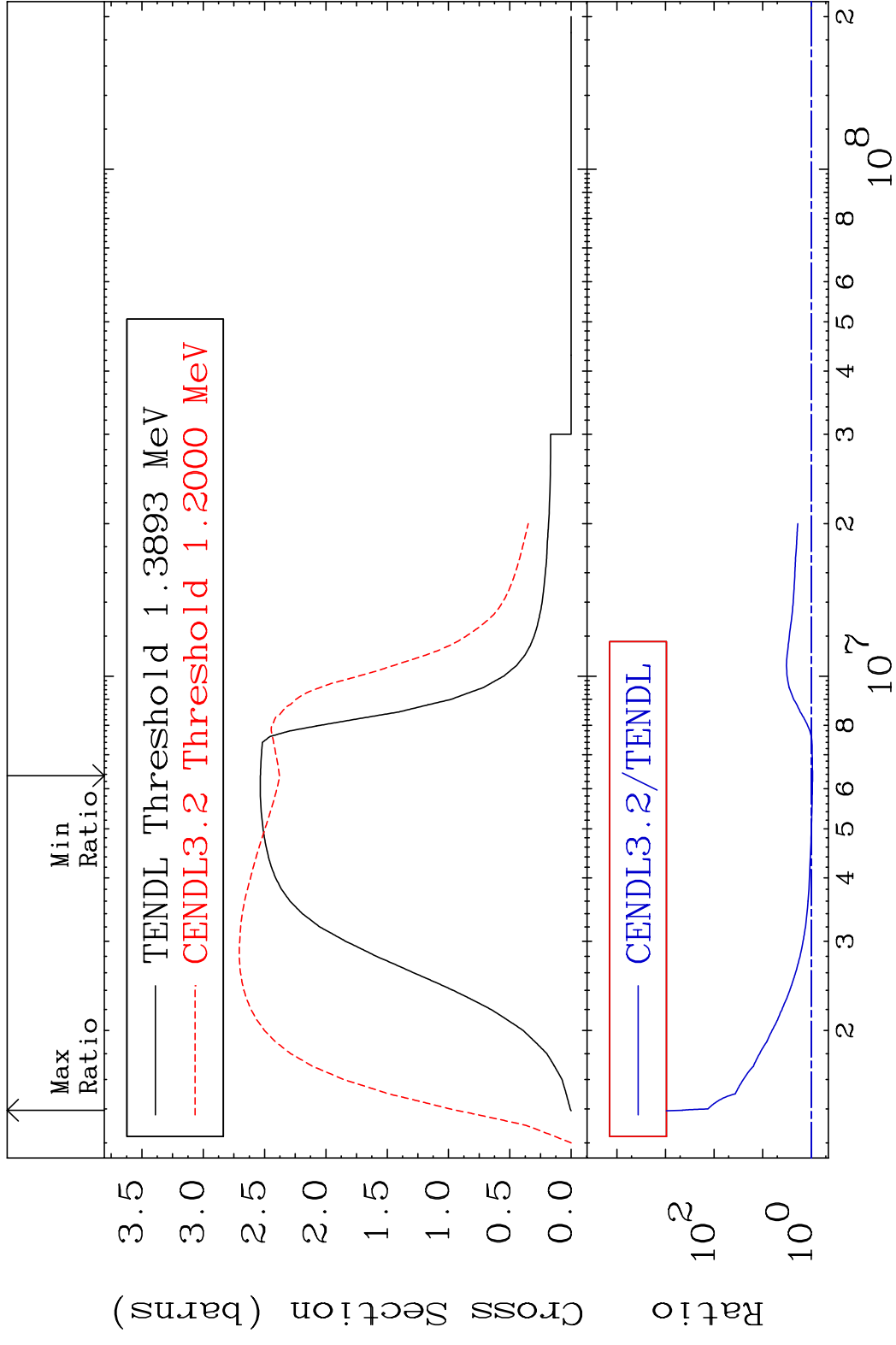


MAT 7243

(n, n') Continuum

72-Hf-180

Cross Section -6.135 To 9999. %

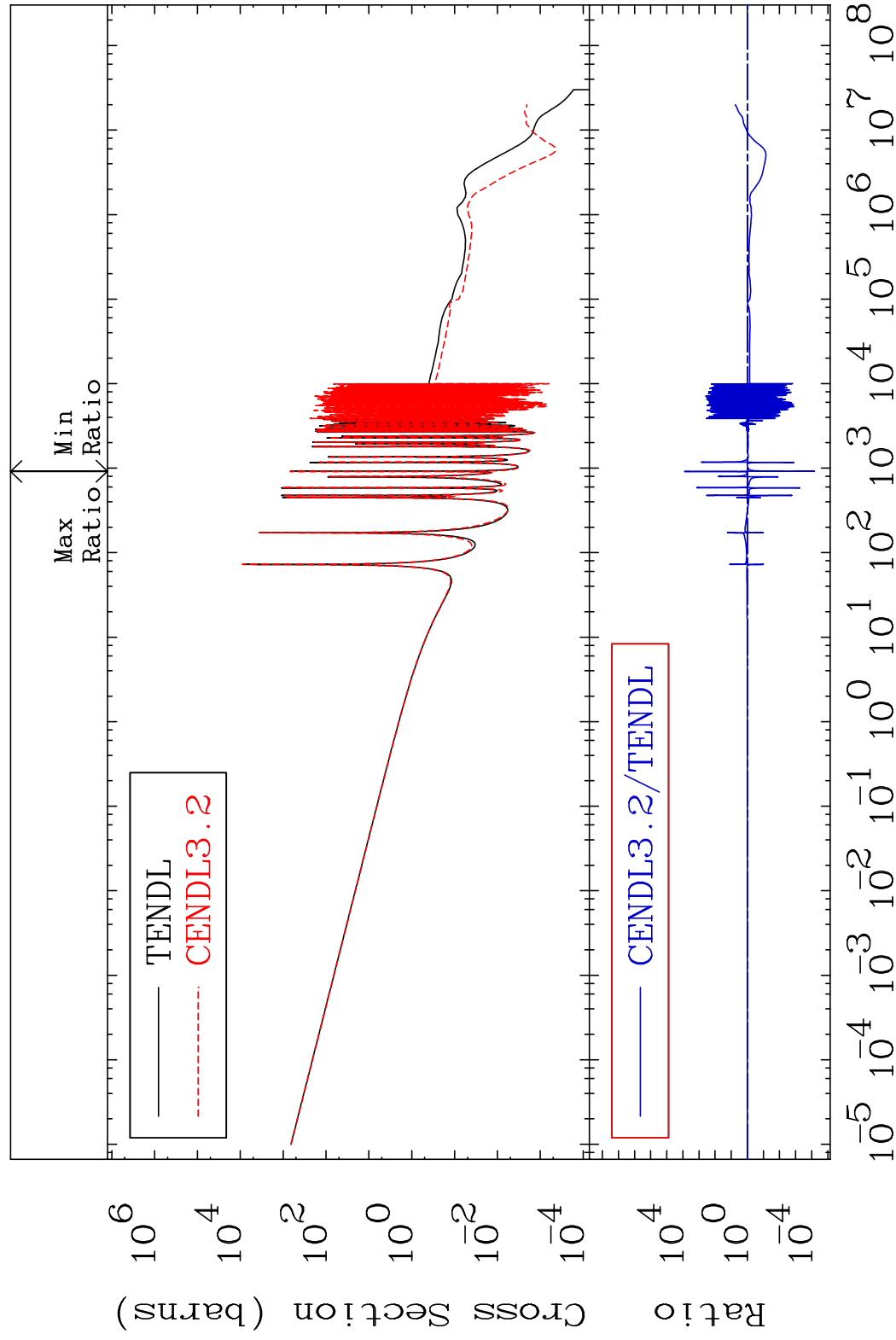


MAT 7243

(n,  $\gamma$ )

72-Hf-180

Cross Section -99.99 To 9999. %

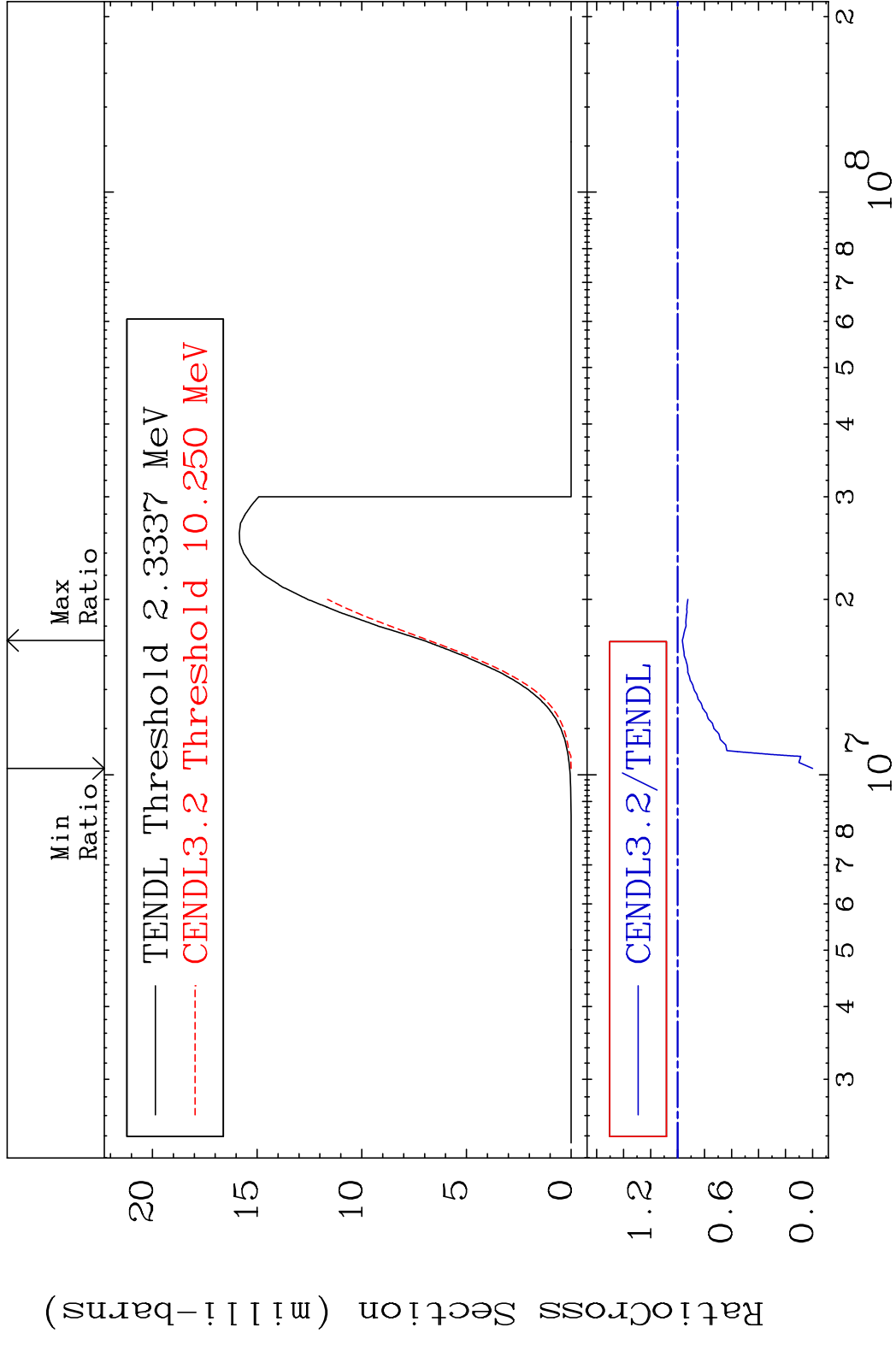


13

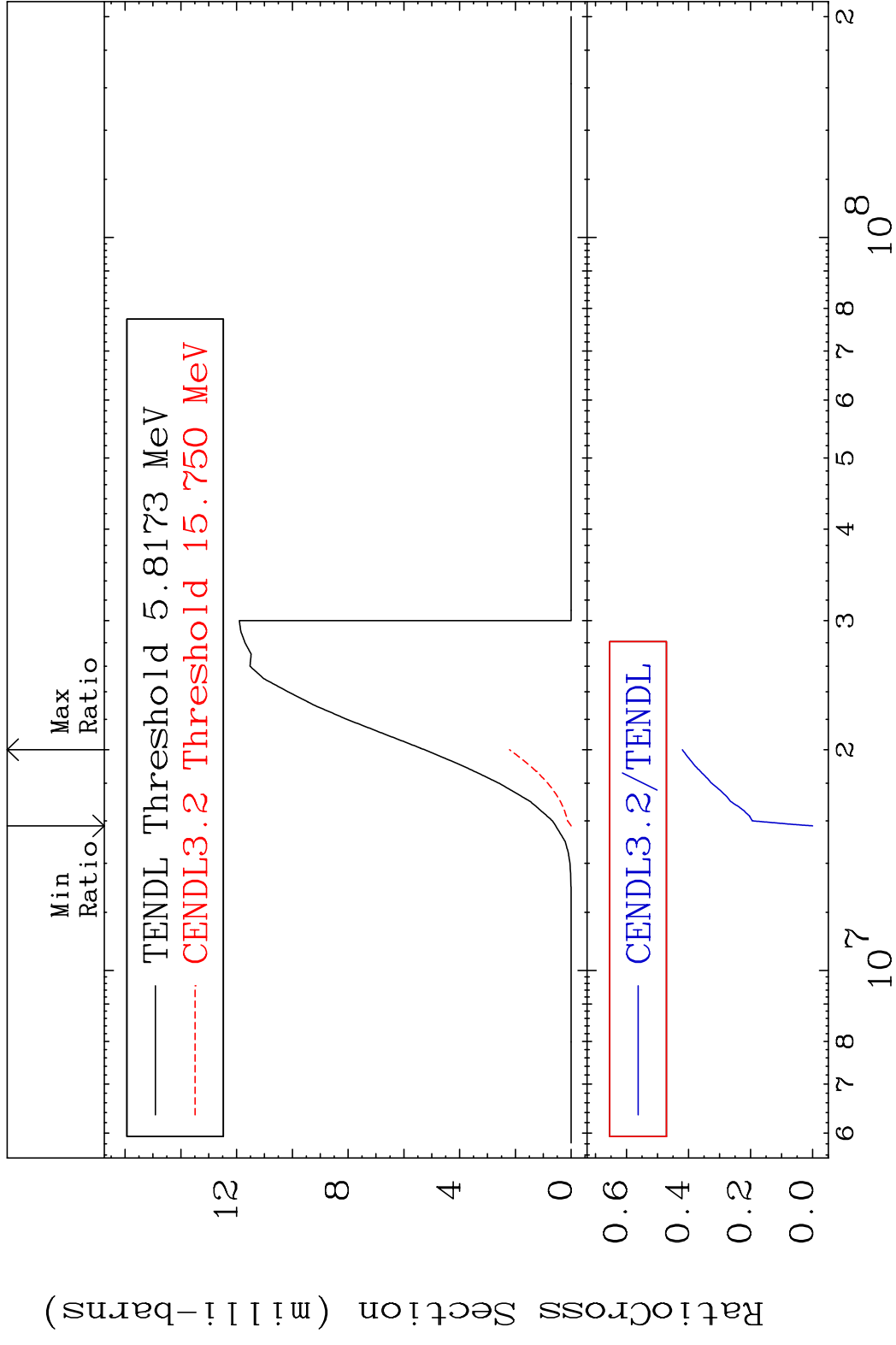
Incident Energy (eV)

72-Hf-180

MAT 7243 (n, p) 72-Hf-180  
 Cross Section -100.0 To -3.522%



MAT 7243 (n,d) 72-Hf-180  
 Cross Section -100.0 To -58.02%



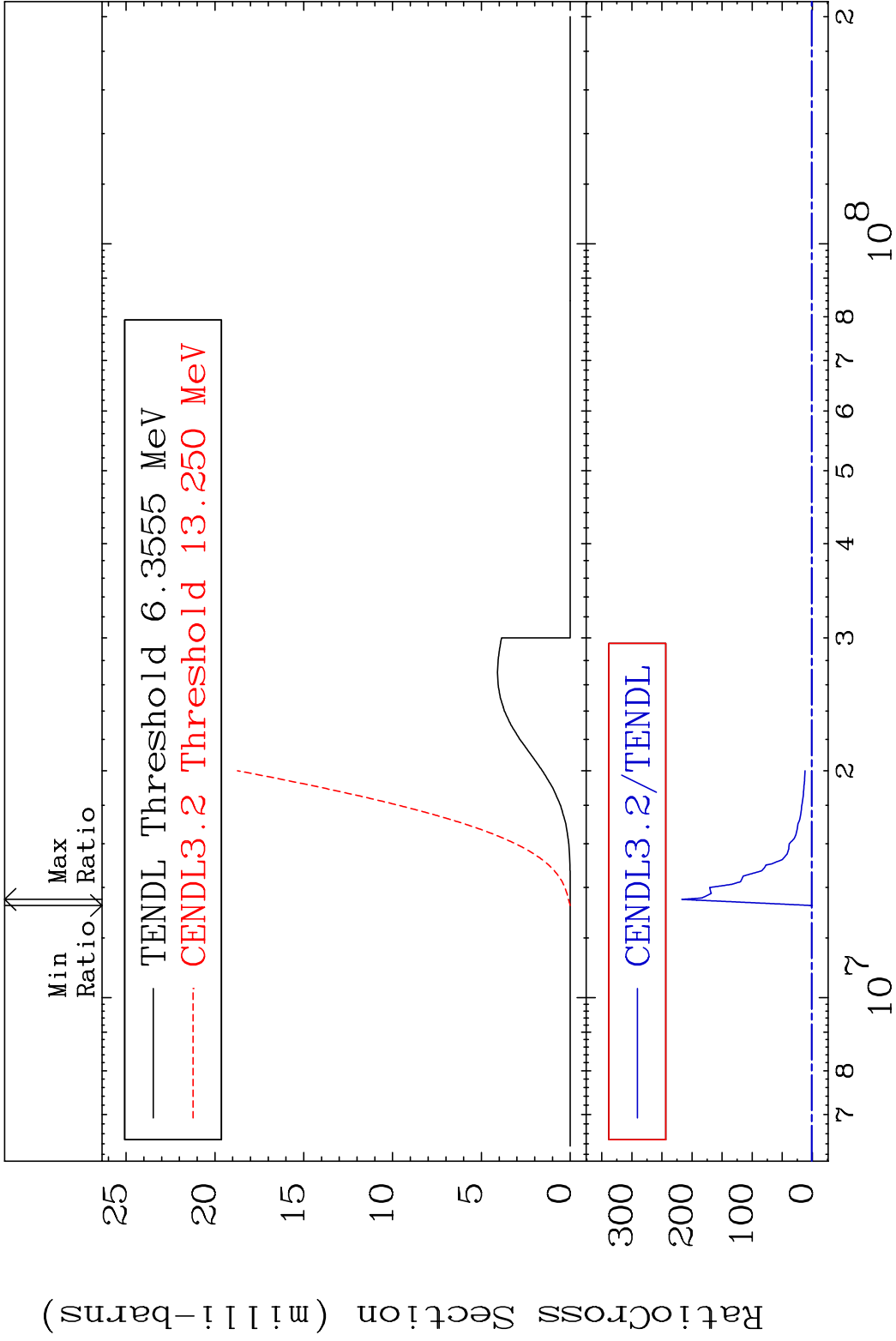


MAT 7243

(n, t)

72-Hf-180

Cross Section -100.0 To 9999. %

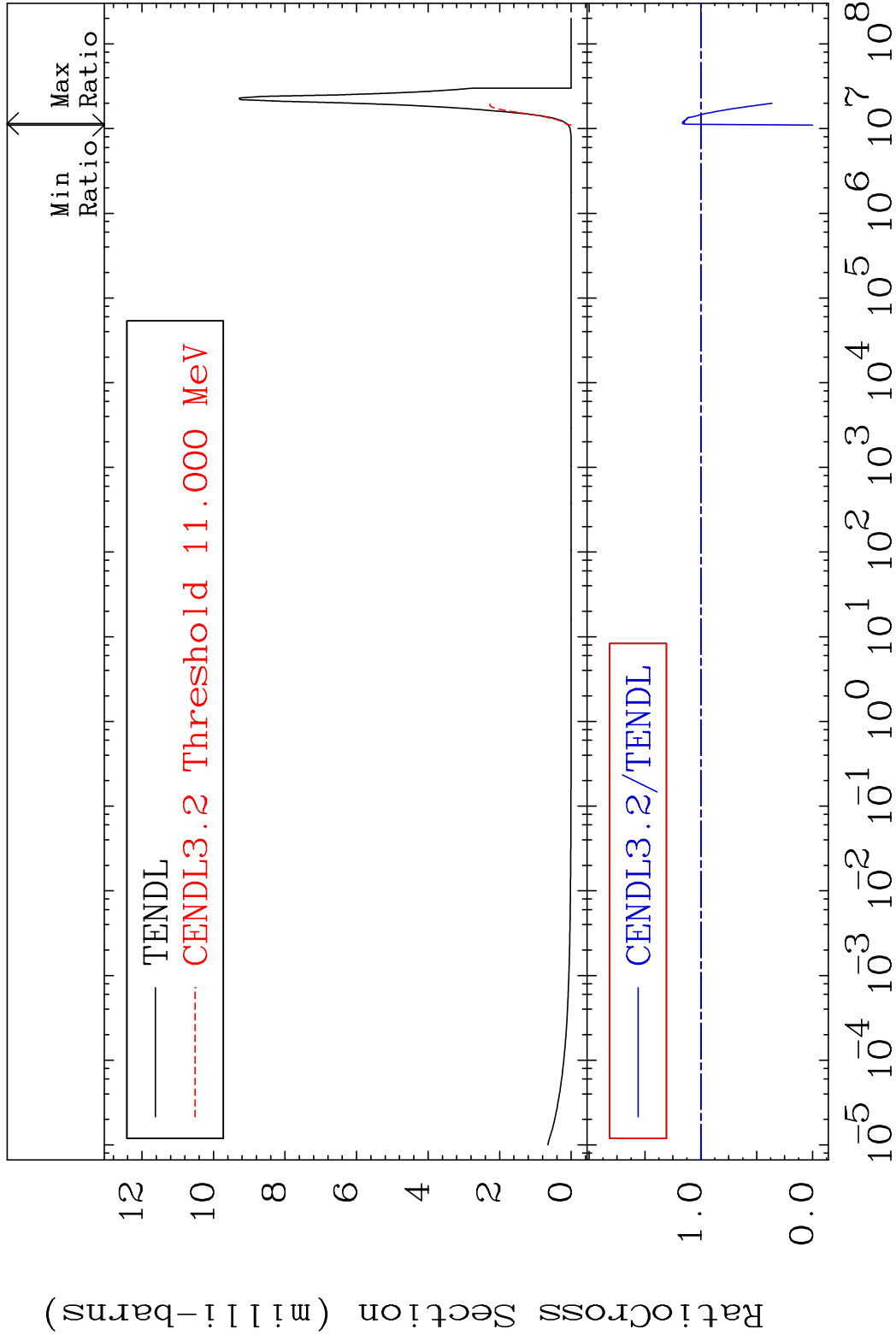


MAT 7243

(n,  $\alpha$ )

72-Hf-180

Cross Section -100.0 To 16.52 %

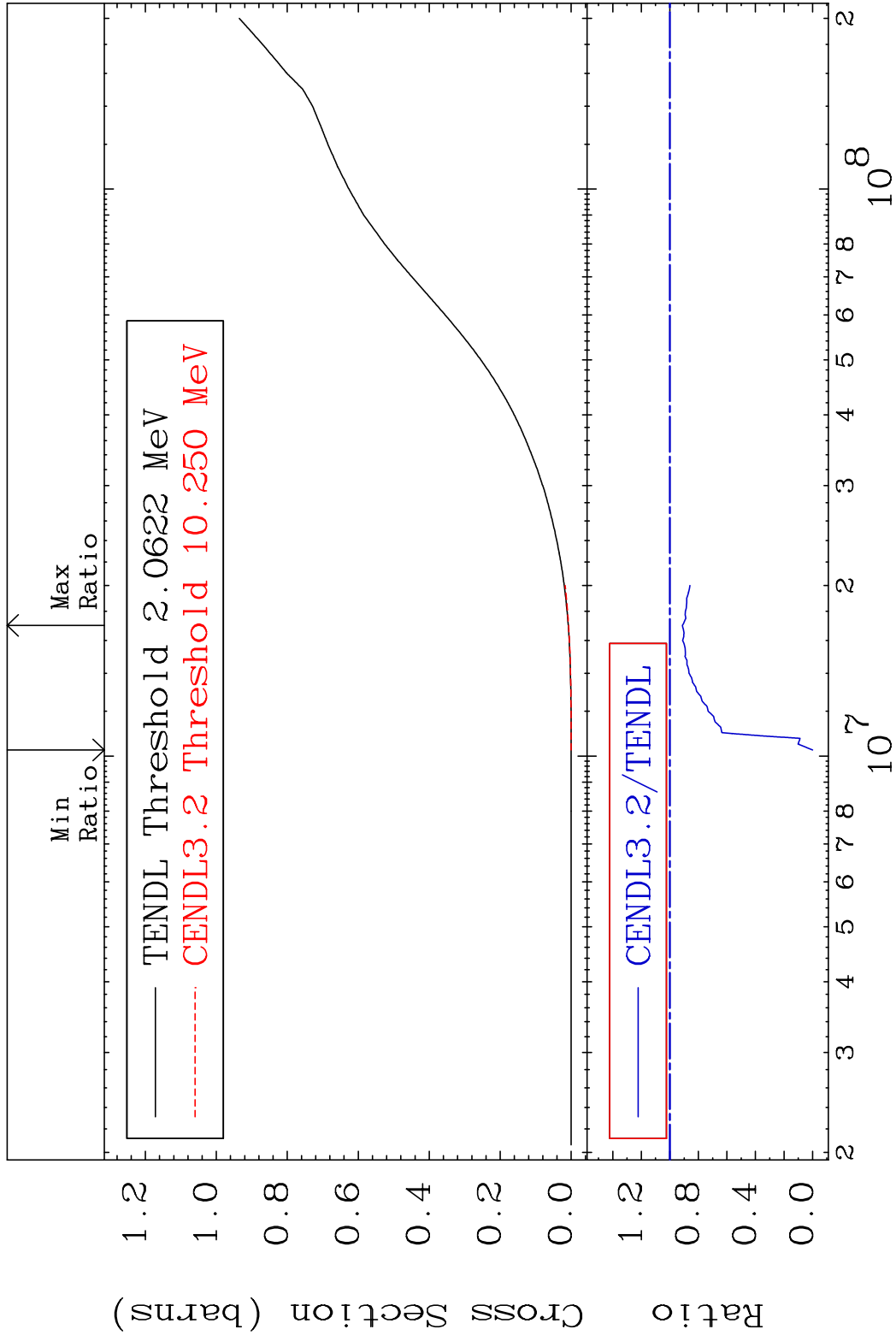


17

Incident Energy (eV)

72-Hf-180

Cross Section -100.0 To -8.756%

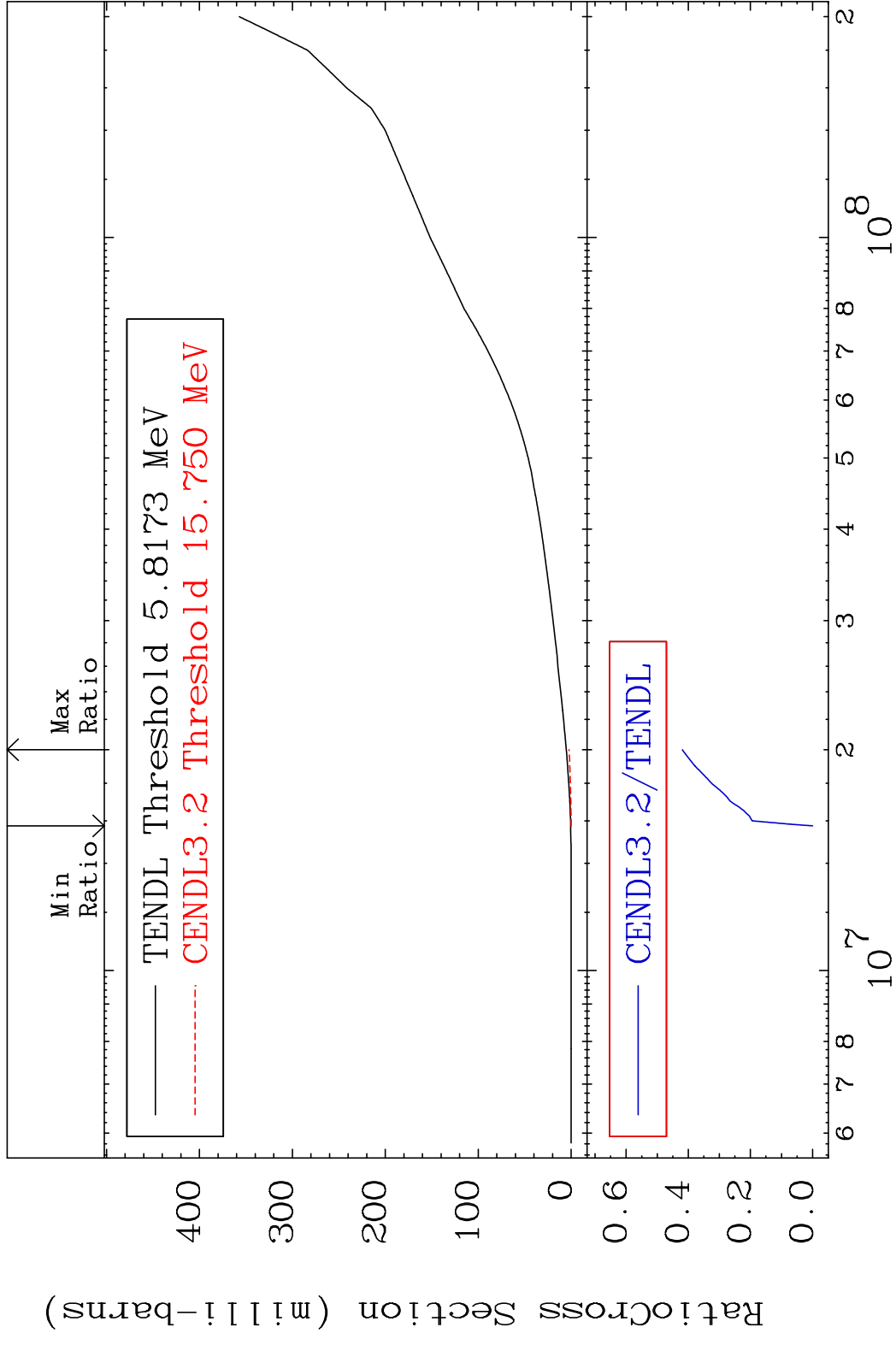


MAT 7243

Deuterium Production

72-Hf-180

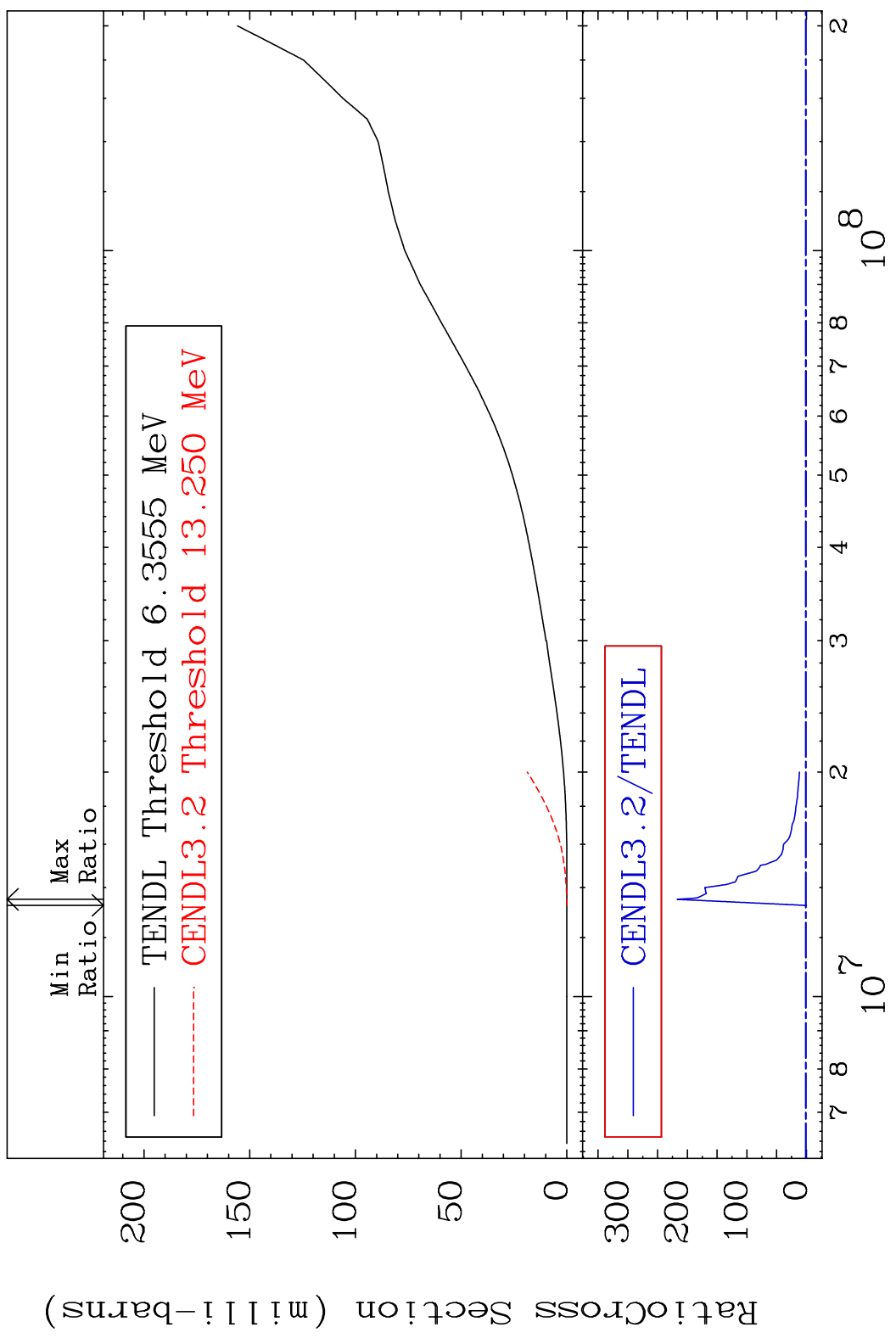
Cross Section -100.0 To -58.09%



MAT 7243

Tritium Production  
Cross Section -100.0 To 9999. %

72-Hf-180



20

Incident Energy (eV)

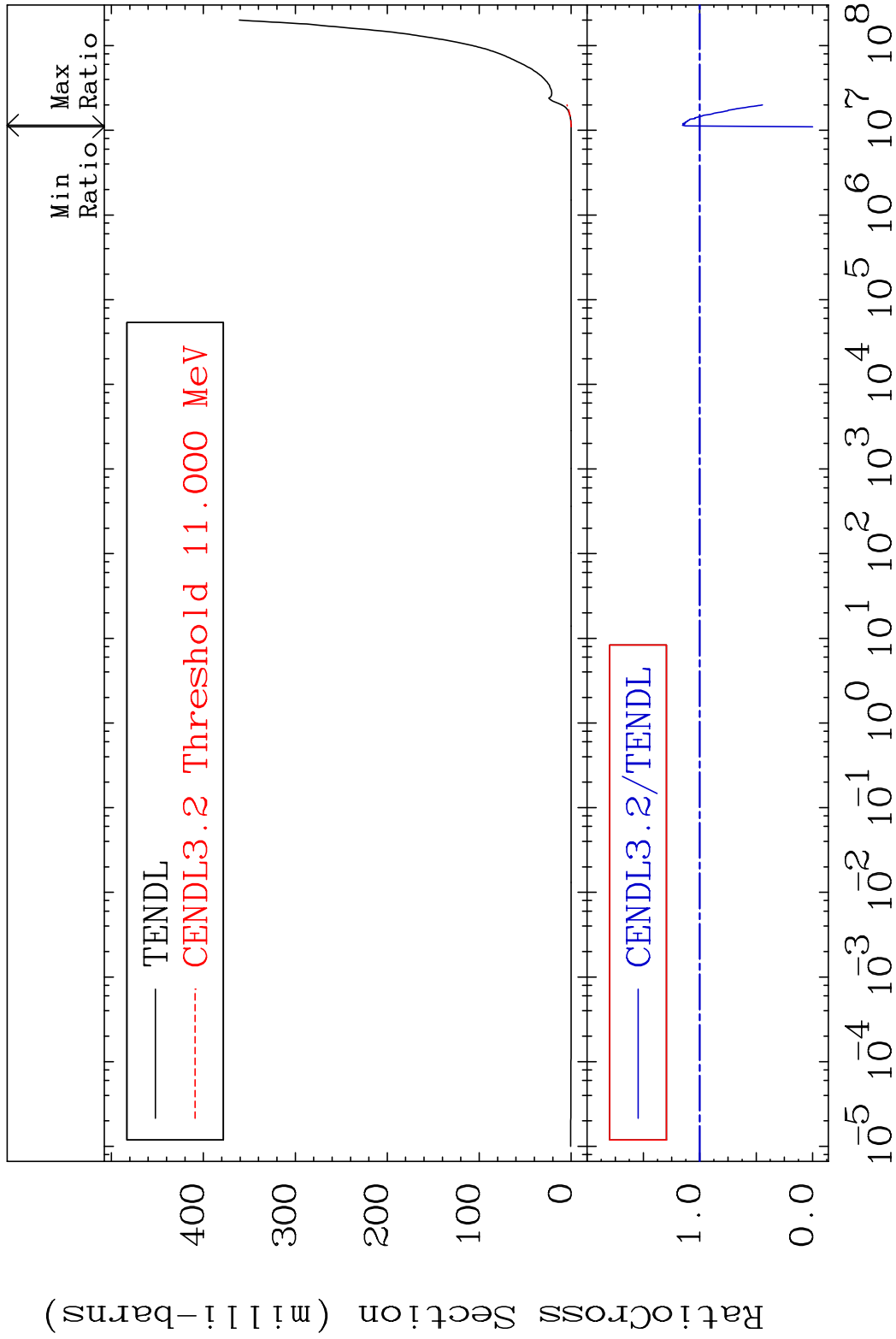
72-Hf-180

MAT 7243

He-4 Production

72-Hf-180

Cross Section -100.0 To 15.48 %

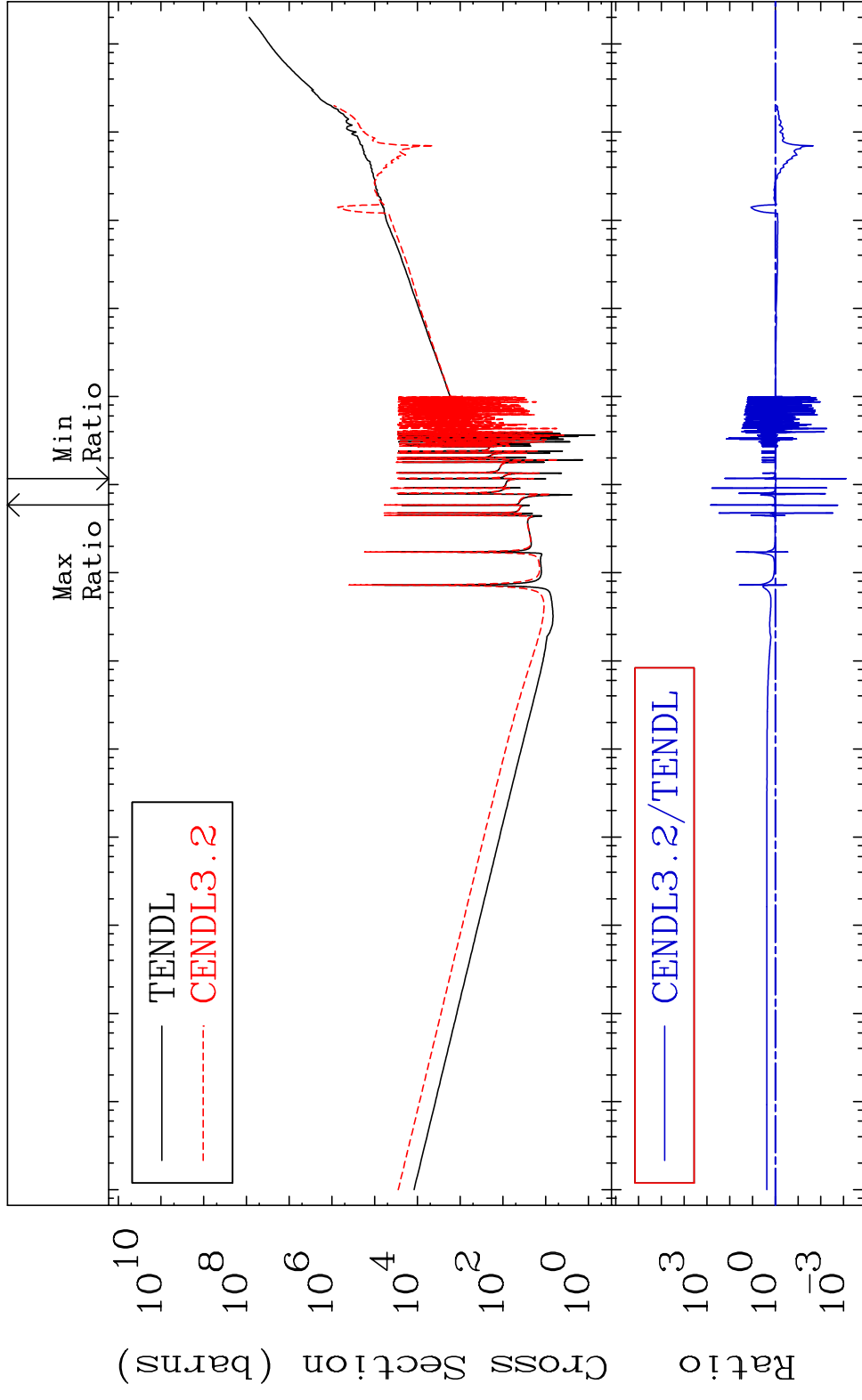


21

Incident Energy (eV)

72-Hf-180

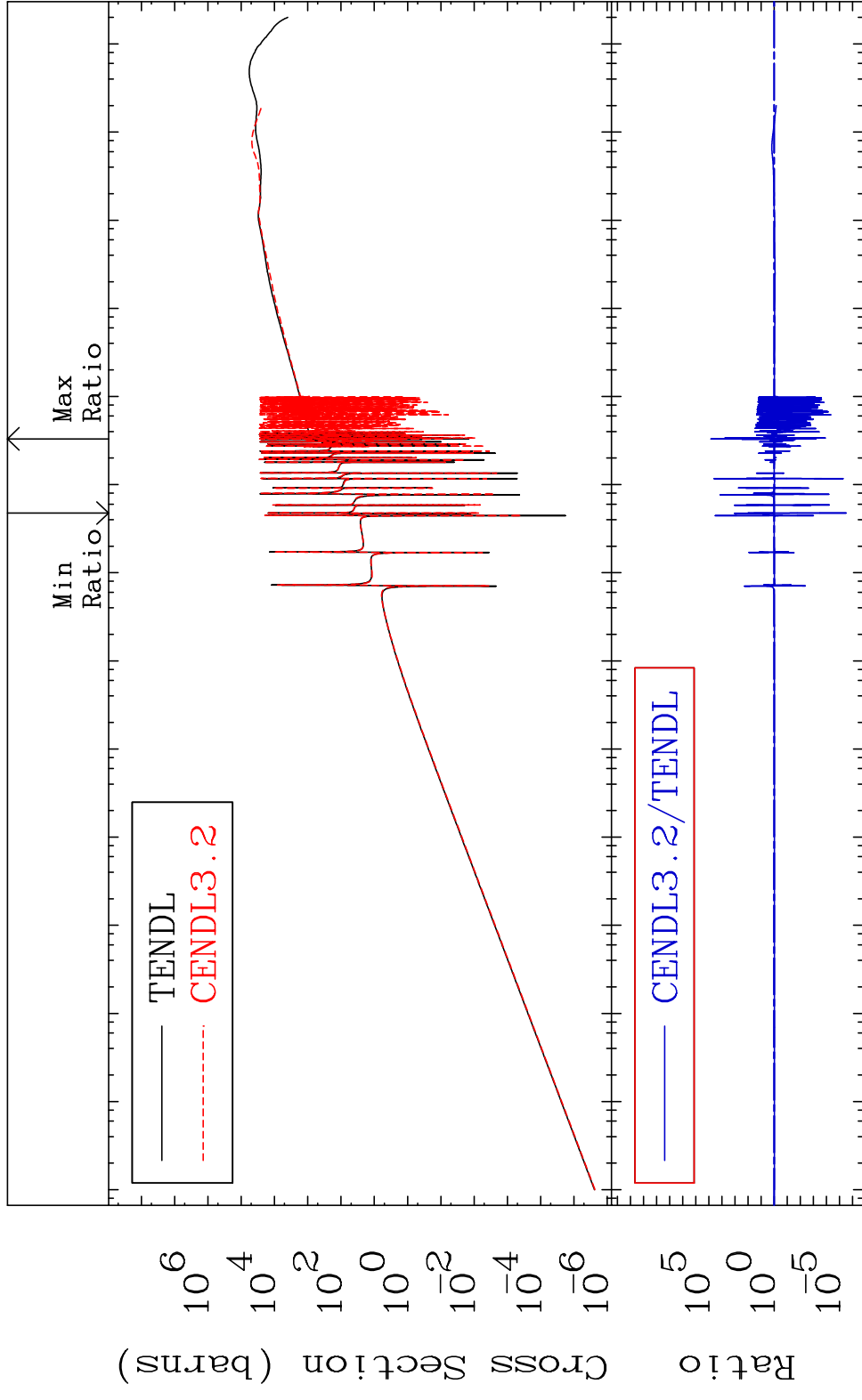
MAT 7243 Kerma total (eV-barns) 72-Hf-180  
 Cross Section -99.92 To 9999. %



22 Incident Energy (eV) 72-Hf-180

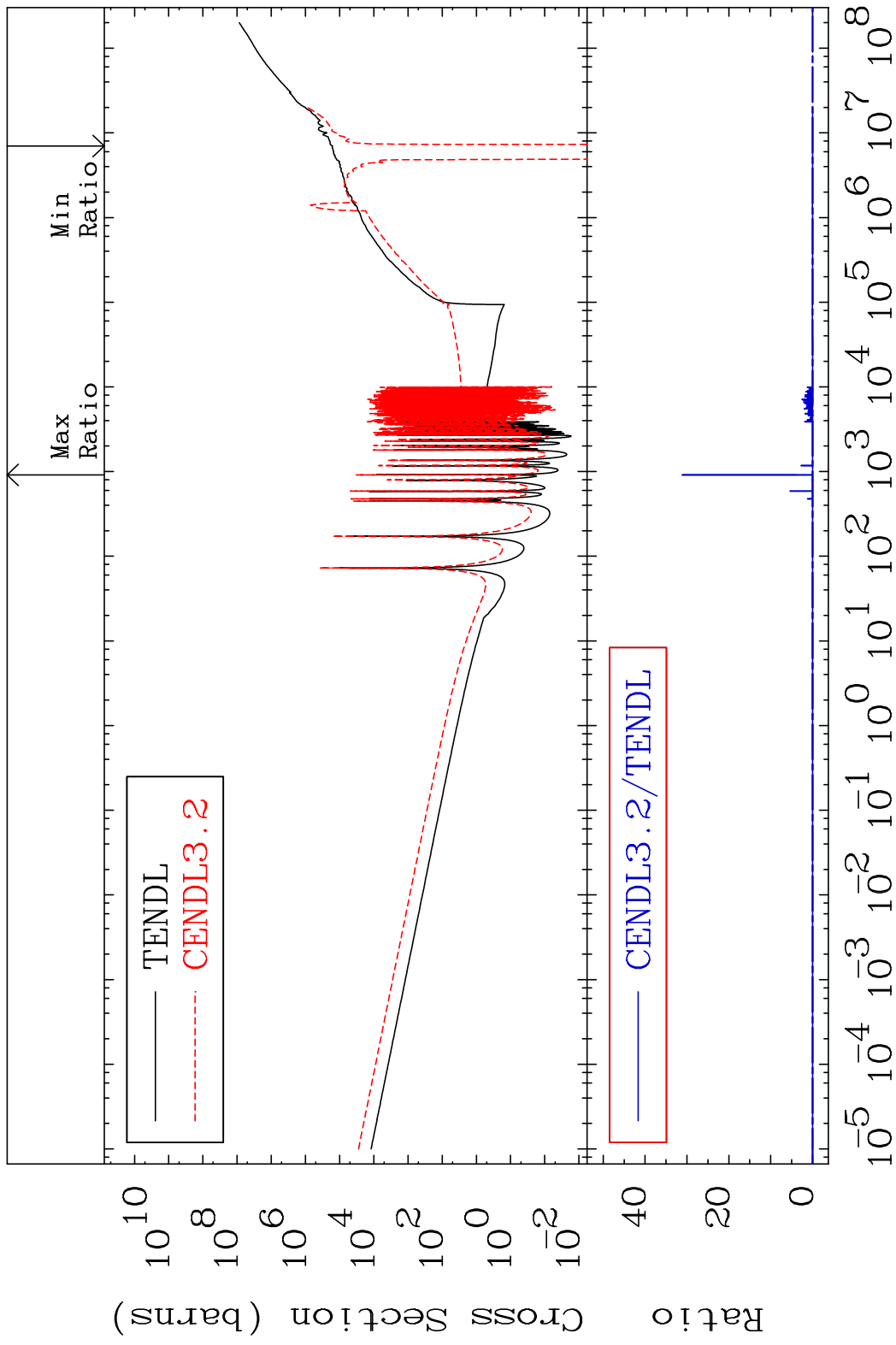
MAT 7243

Kerma elastic Cross Section -100.0 To 9999. %  
72-Hf-180



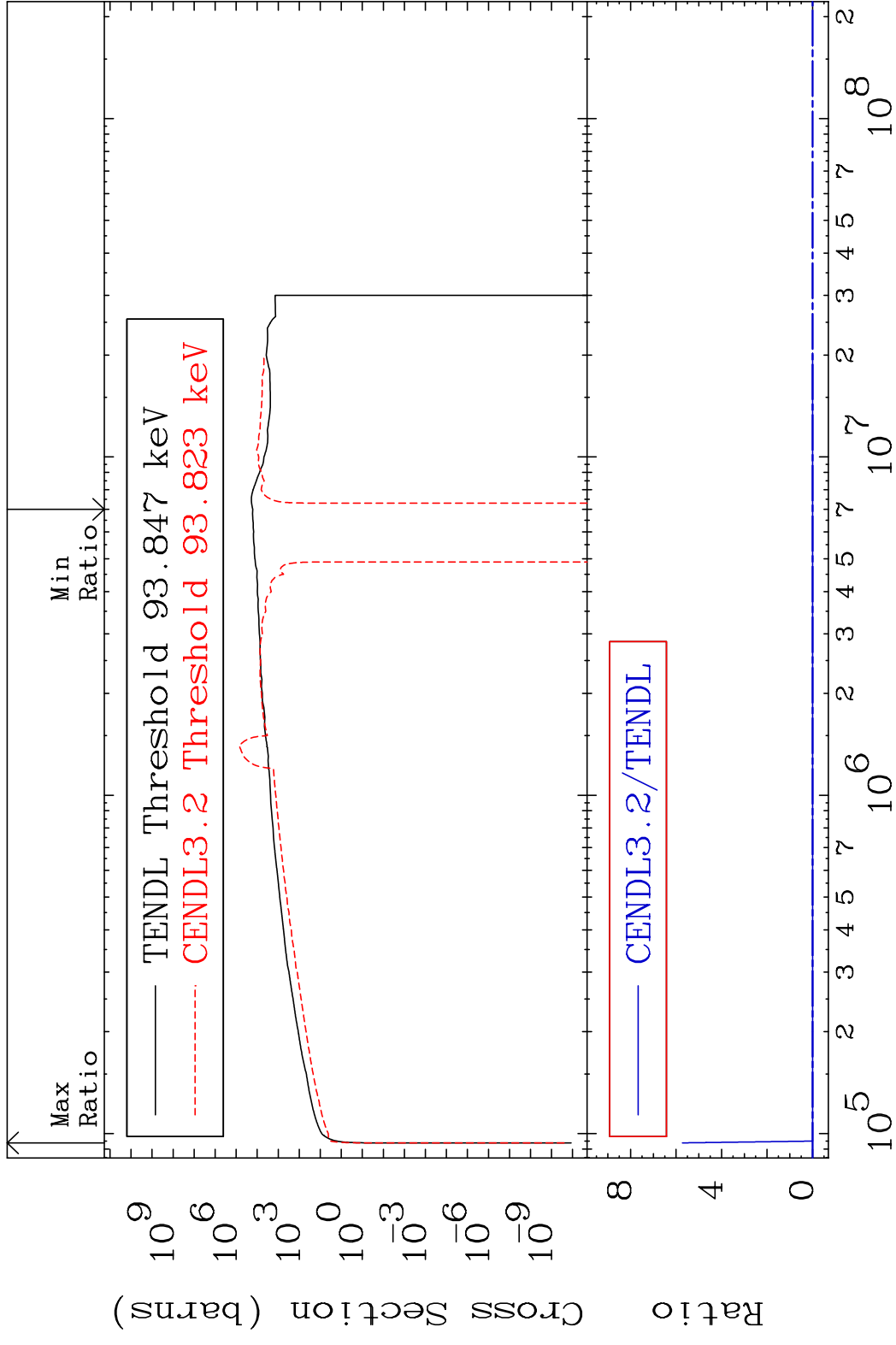


MAT 7243 Kerma non-elastic (all but mt2) 72-Hf-180  
 Cross Section -126.5 To 9999. %



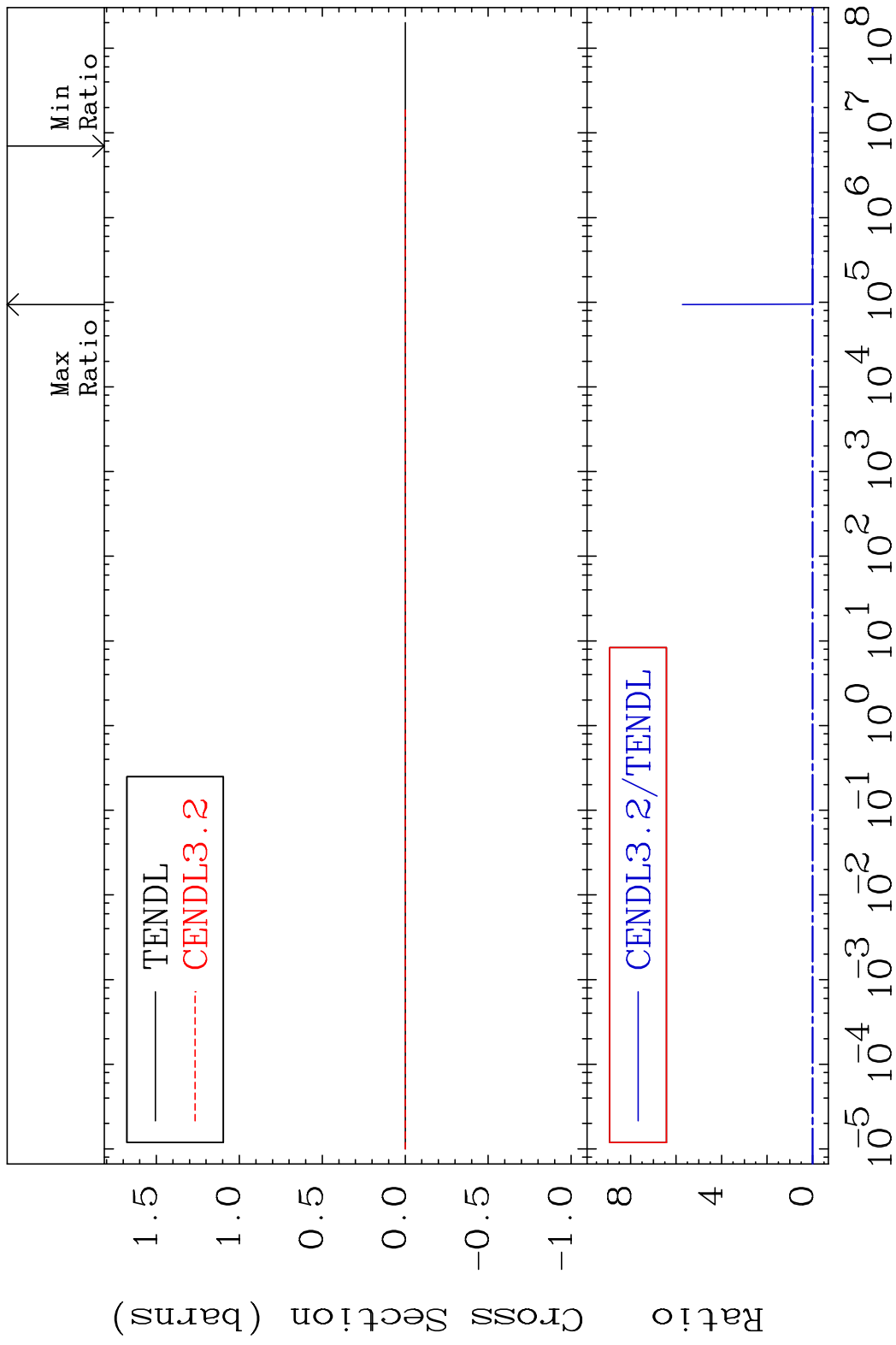
24 Incident Energy (eV) 72-Hf-180

MAT 7243 Kerma inelastic (mt51-91) 72-Hf-180  
 Cross Section -126.5 To 9999. %



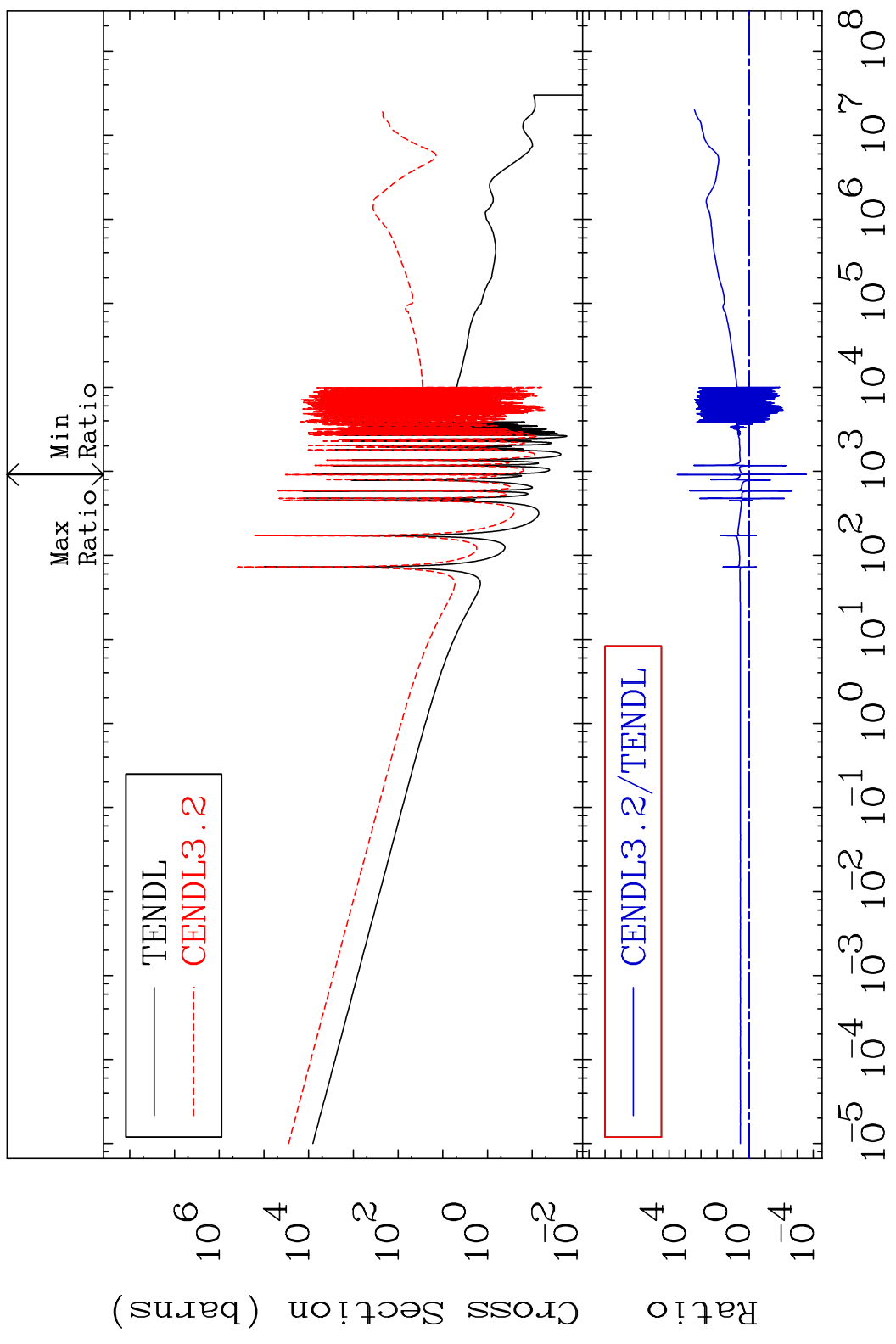
25 Incident Energy (eV) 72-Hf-180

MAT 7243 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-180  
 Cross Section -126.5 To 9999. %

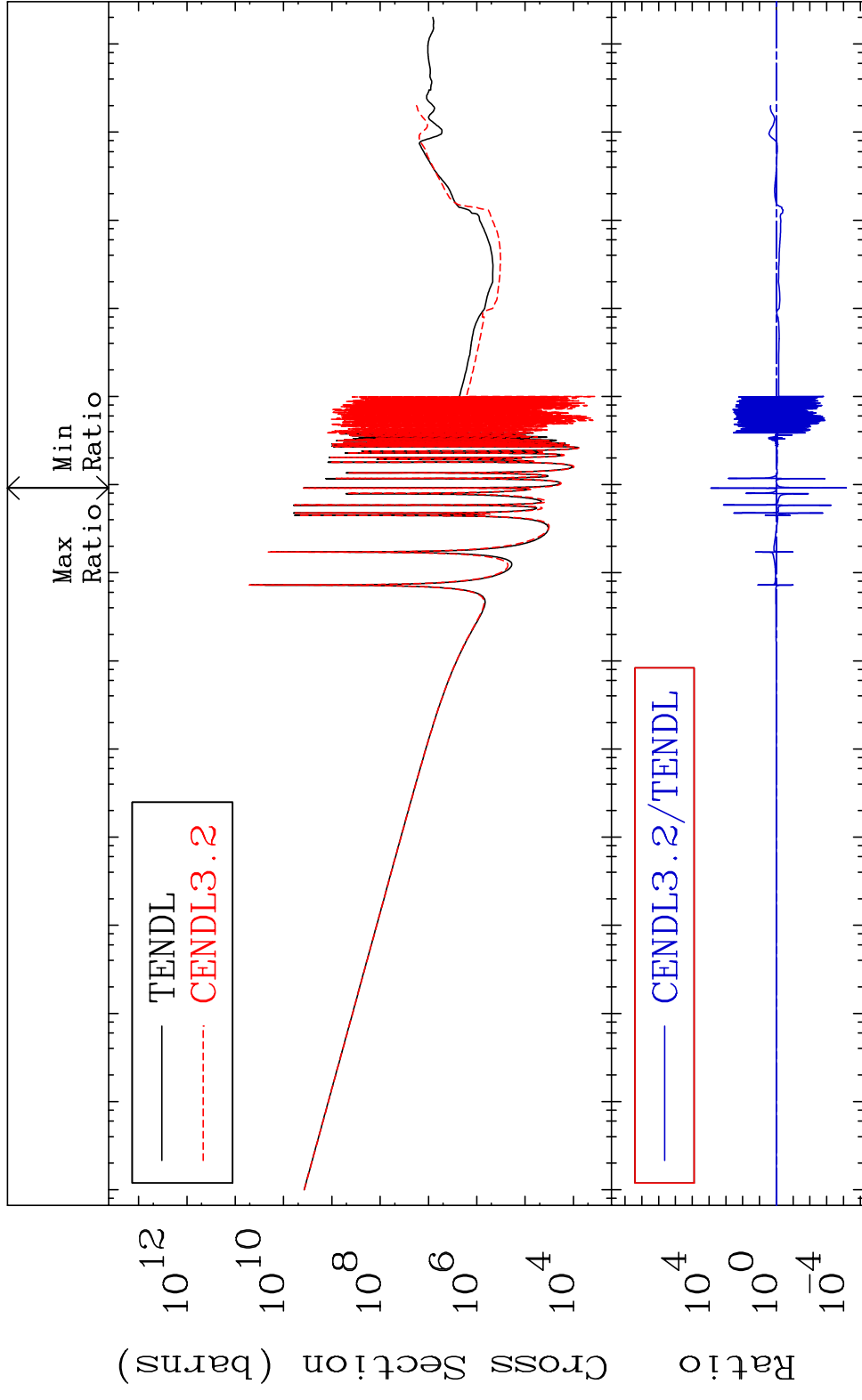


MAT 7243

Kerma capture (mt102) 72-Hf-180  
Cross Section -99.97 To 9999. %

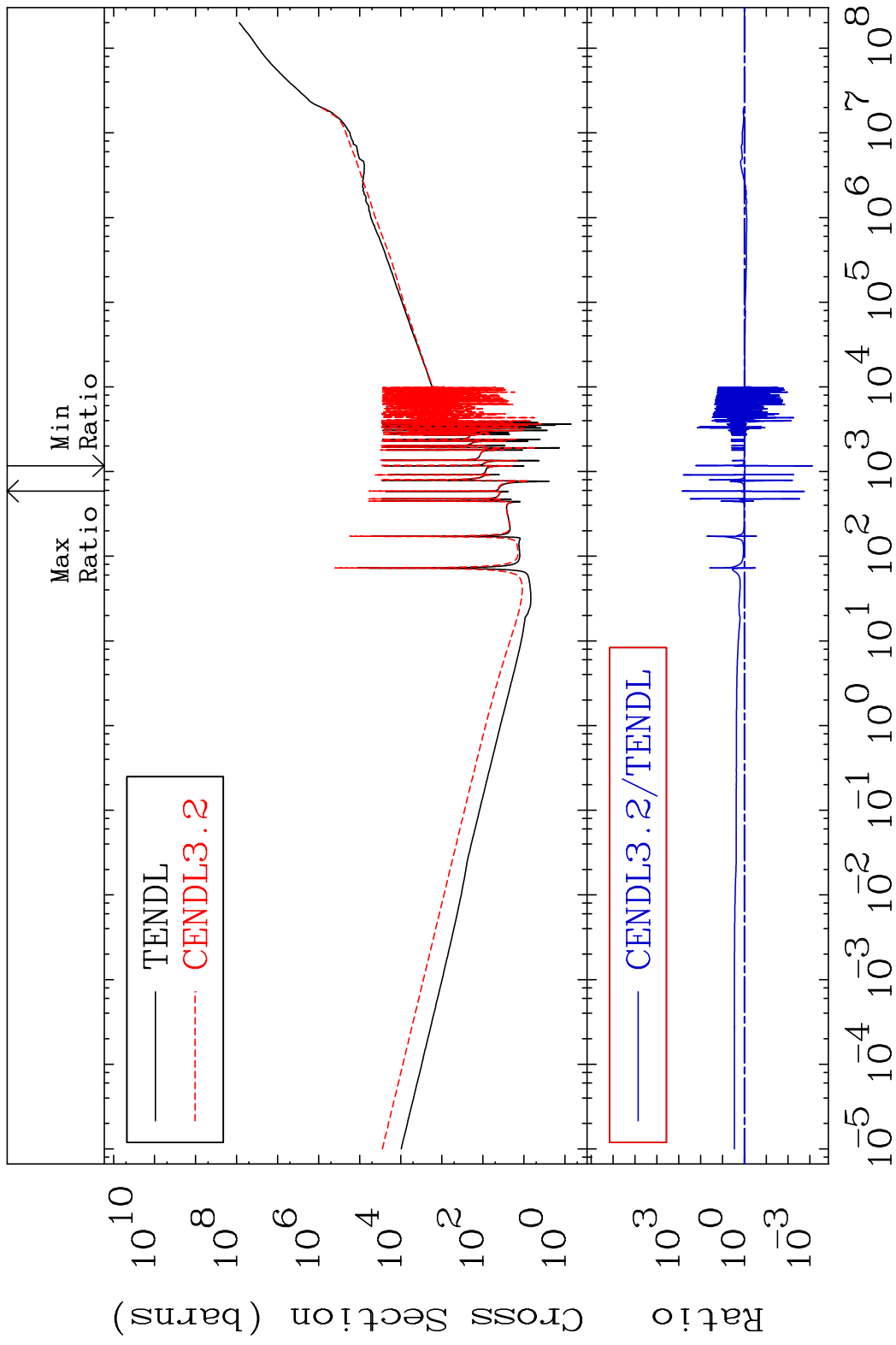


MAT 7243 Total photon (eV-barns) 72-Hf-180  
 Cross Section -99.99 To 9999. %

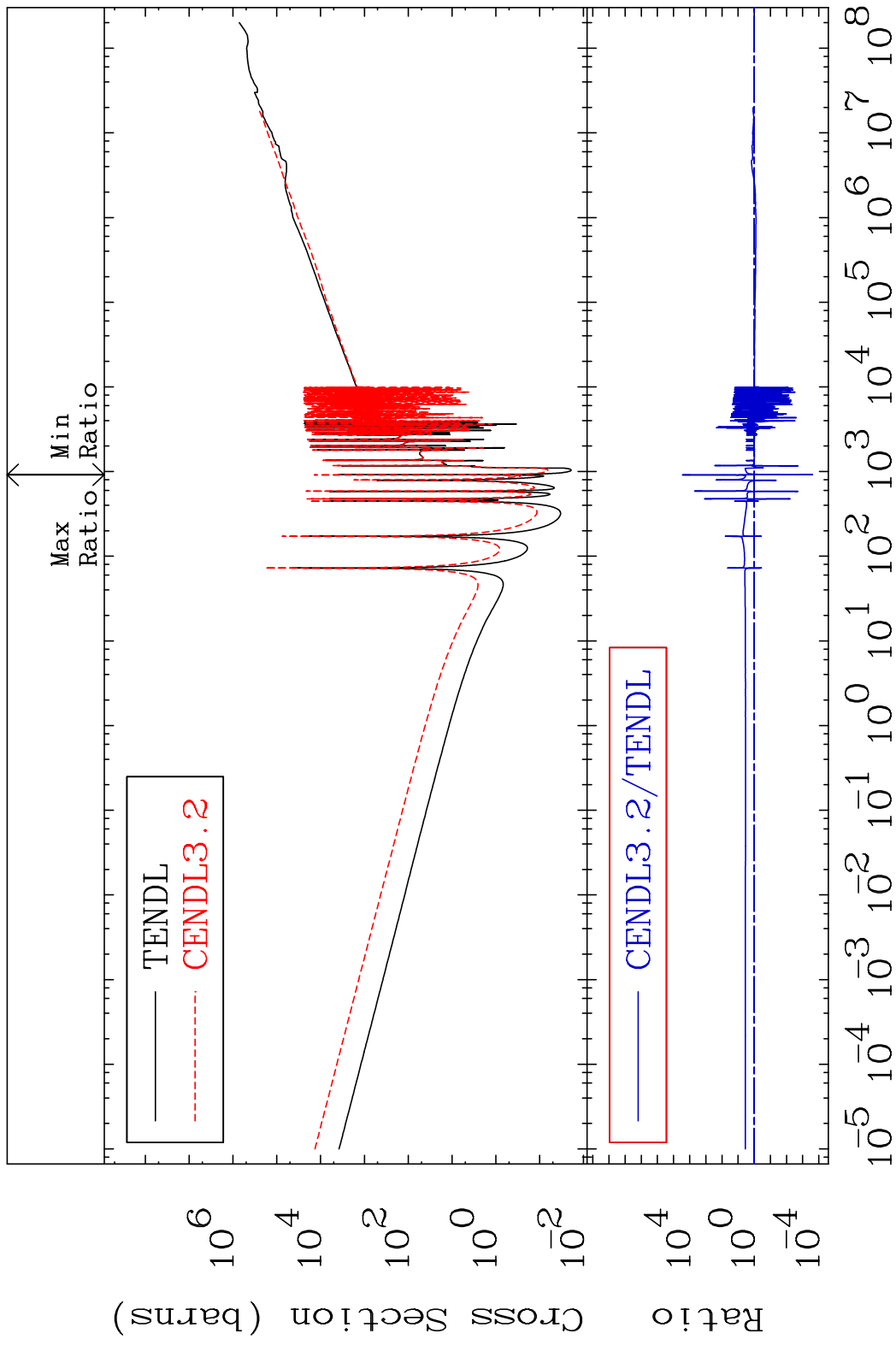


28 Incident Energy (eV) 72-Hf-180

MAT 7243 Total kinematic kerma (high limit) 72-Hf-180  
 Cross Section -99.92 To 9999. %



MAT 7243      Dpa total (eV-barns)      72-Hf-180  
 Cross Section      -99.98 To 9999. %



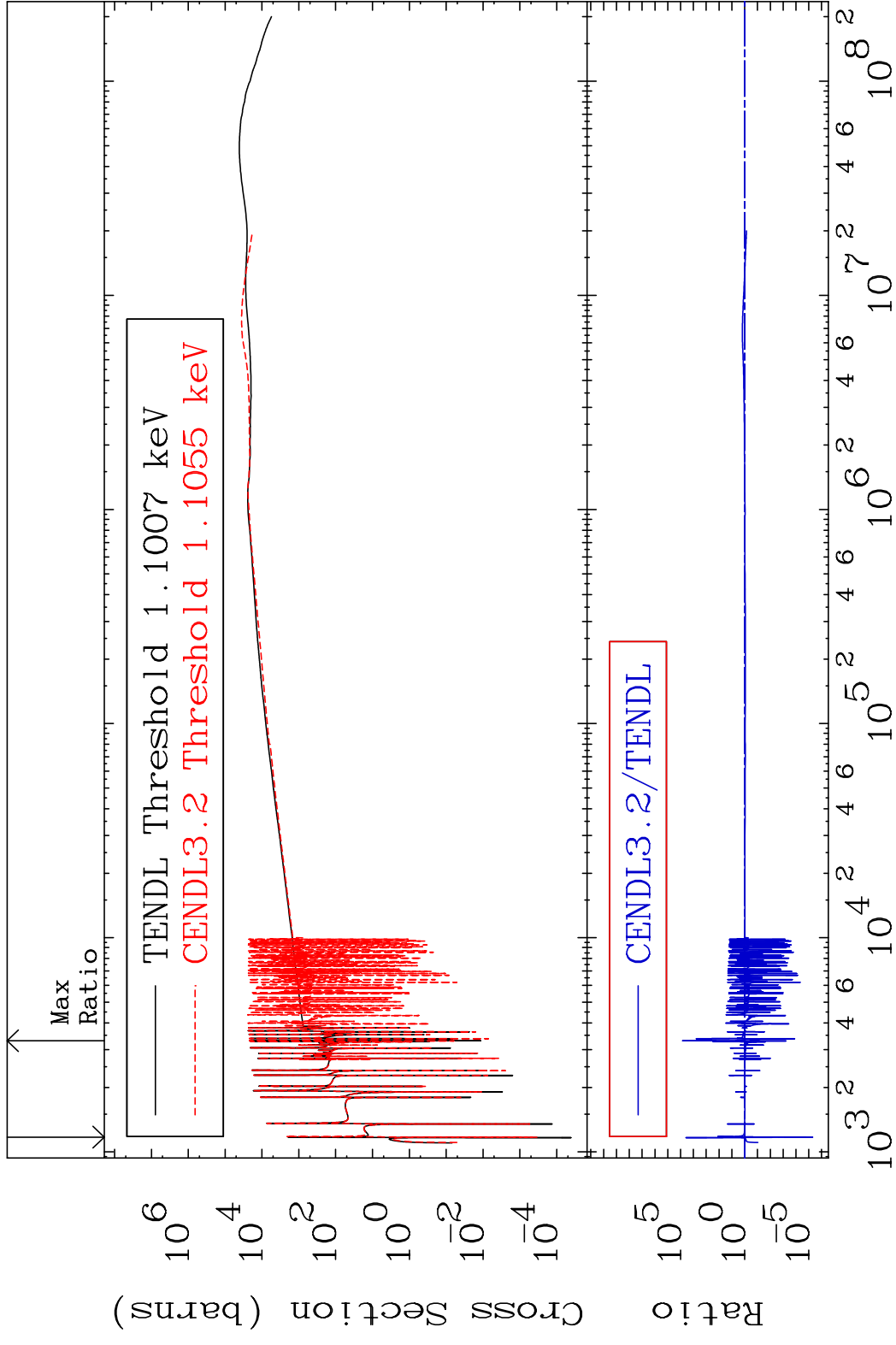
30      Incident Energy (eV)      72-Hf-180

MAT 7243

Dpa elastic (mt2)

72-Hf-180

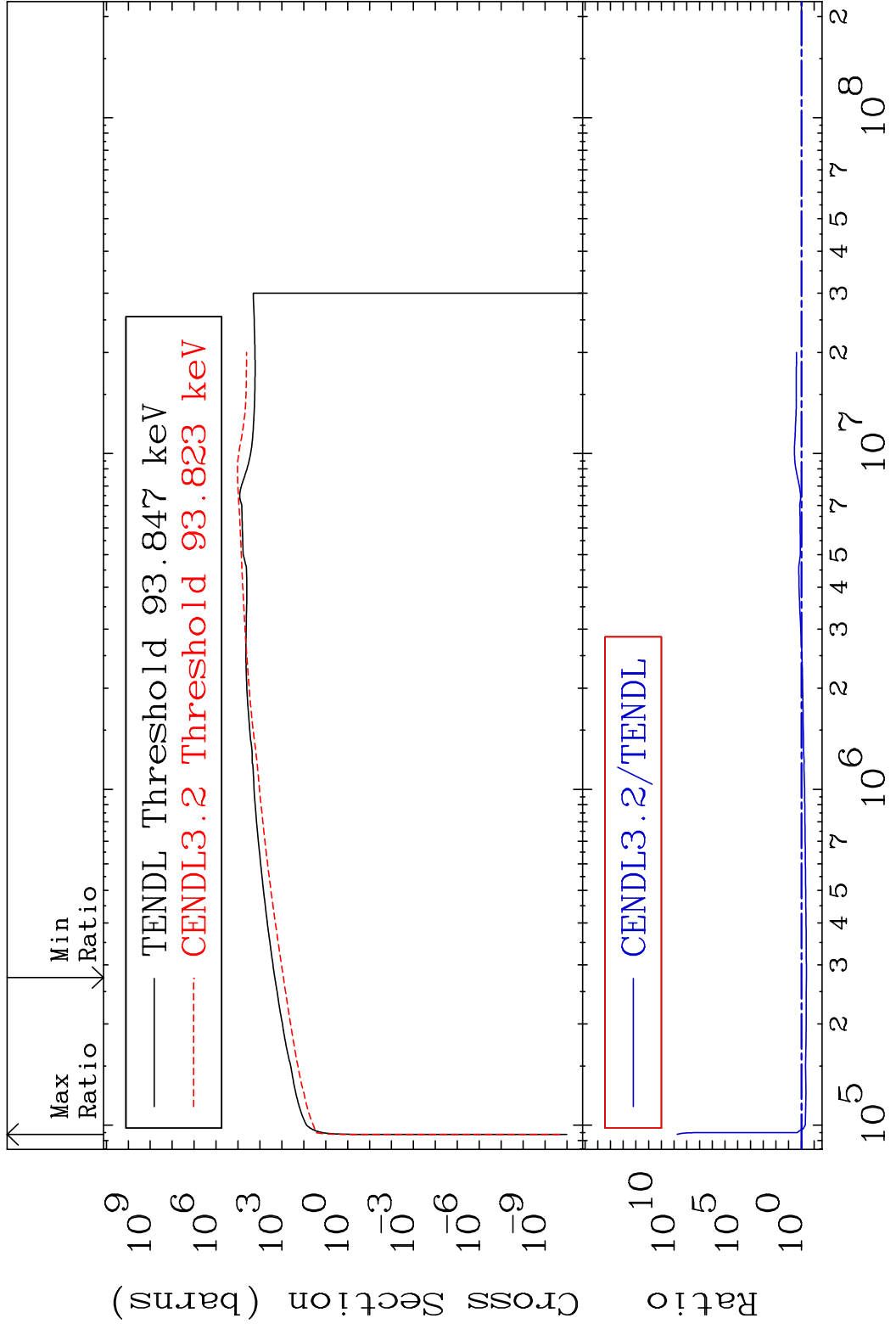
Cross Section -100.0 To 9999. %





MAT 7243

Dpa inelastic (mt51-91) 72-Hf-180  
Cross Section -59.62 To 9999. %

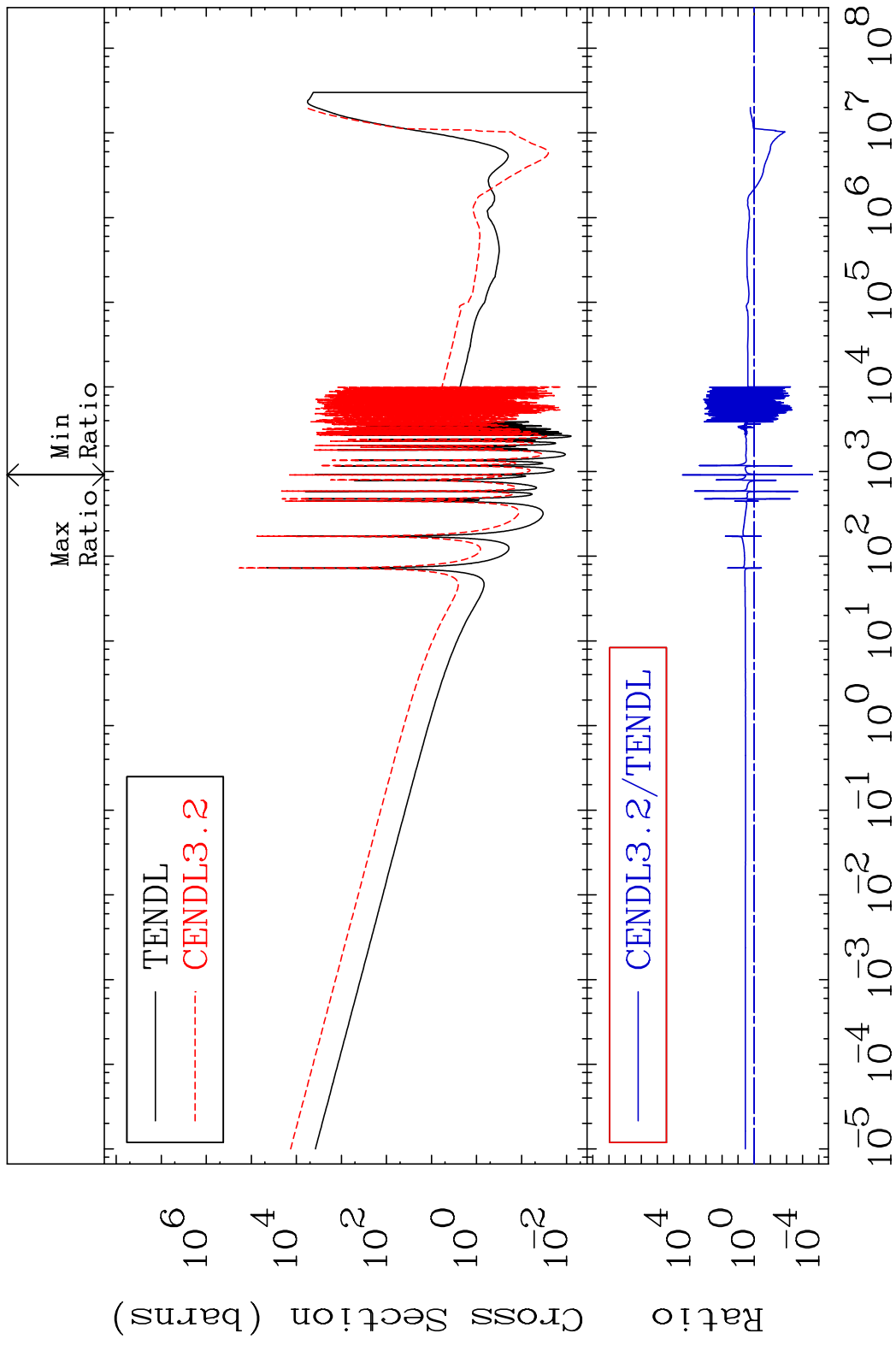


32

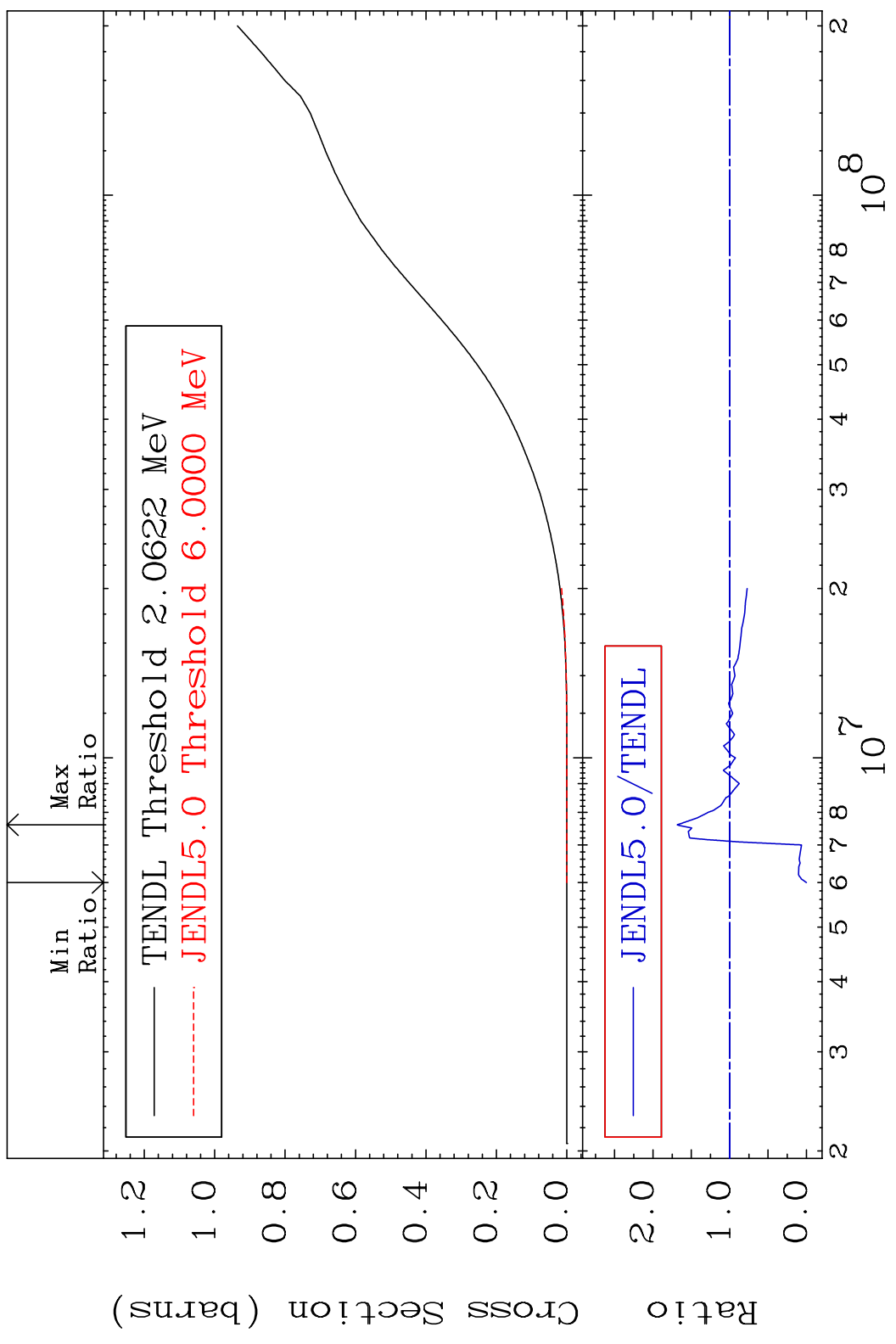
Incident Energy (eV)

72-Hf-180

MAT 7243 Dpa disappearance (mt102 -120) 72-Hf-180  
 Cross Section -99.98 To 9999. %



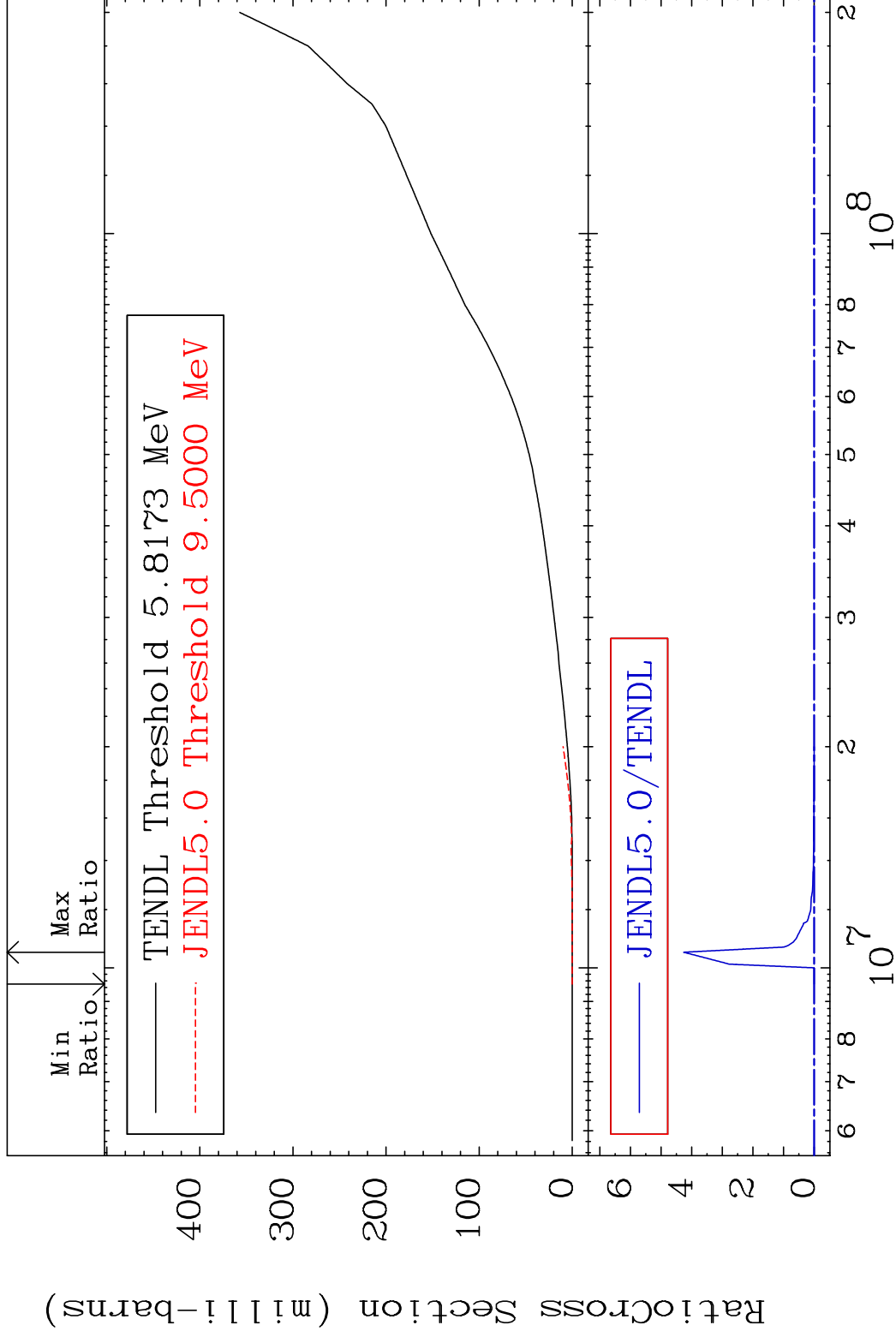
33 Incident Energy (eV) 72-Hf-180



MAT 7243

Deuterium Production 72-Hf-180

Cross Section -100.0 To 9999. %



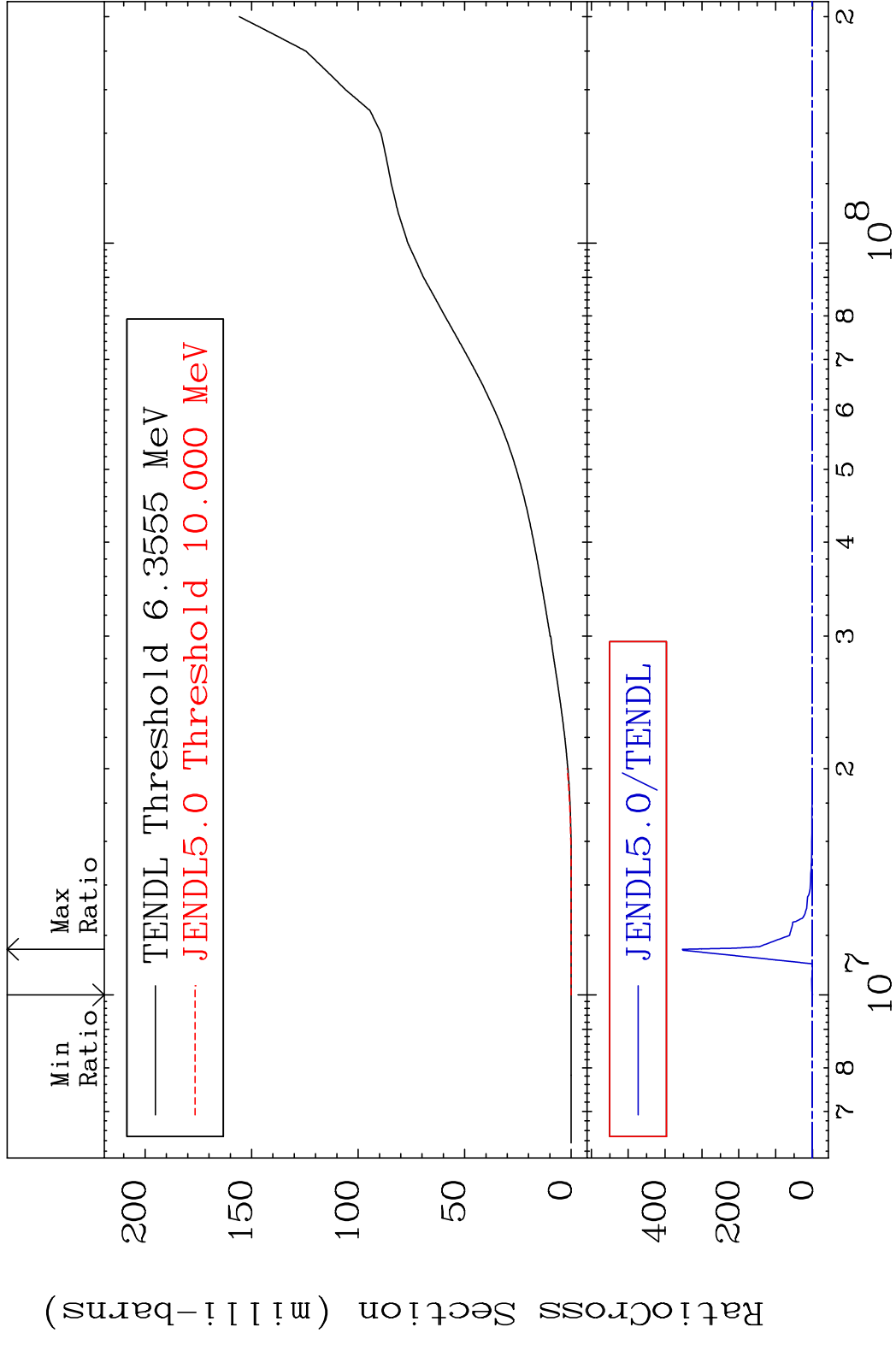
35

Incident Energy (eV)

72-Hf-180

MAT 7243

Tritium Production 72-Hf-180  
Cross Section -100.0 To 9999. %

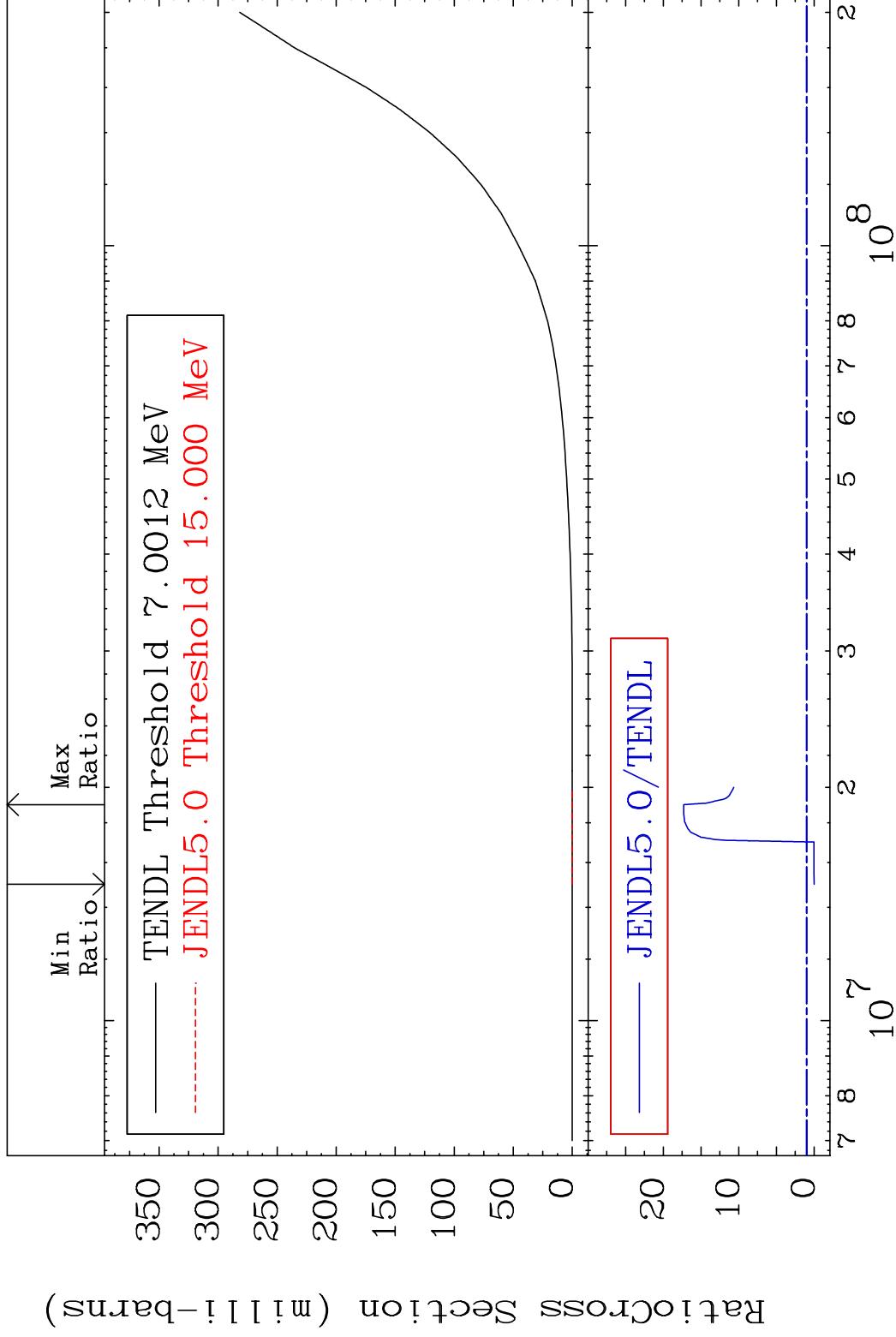


MAT 7243

He-3 Production

72-Hf-180

Cross Section -100.0 To 1630. %



37

Incident Energy (eV)

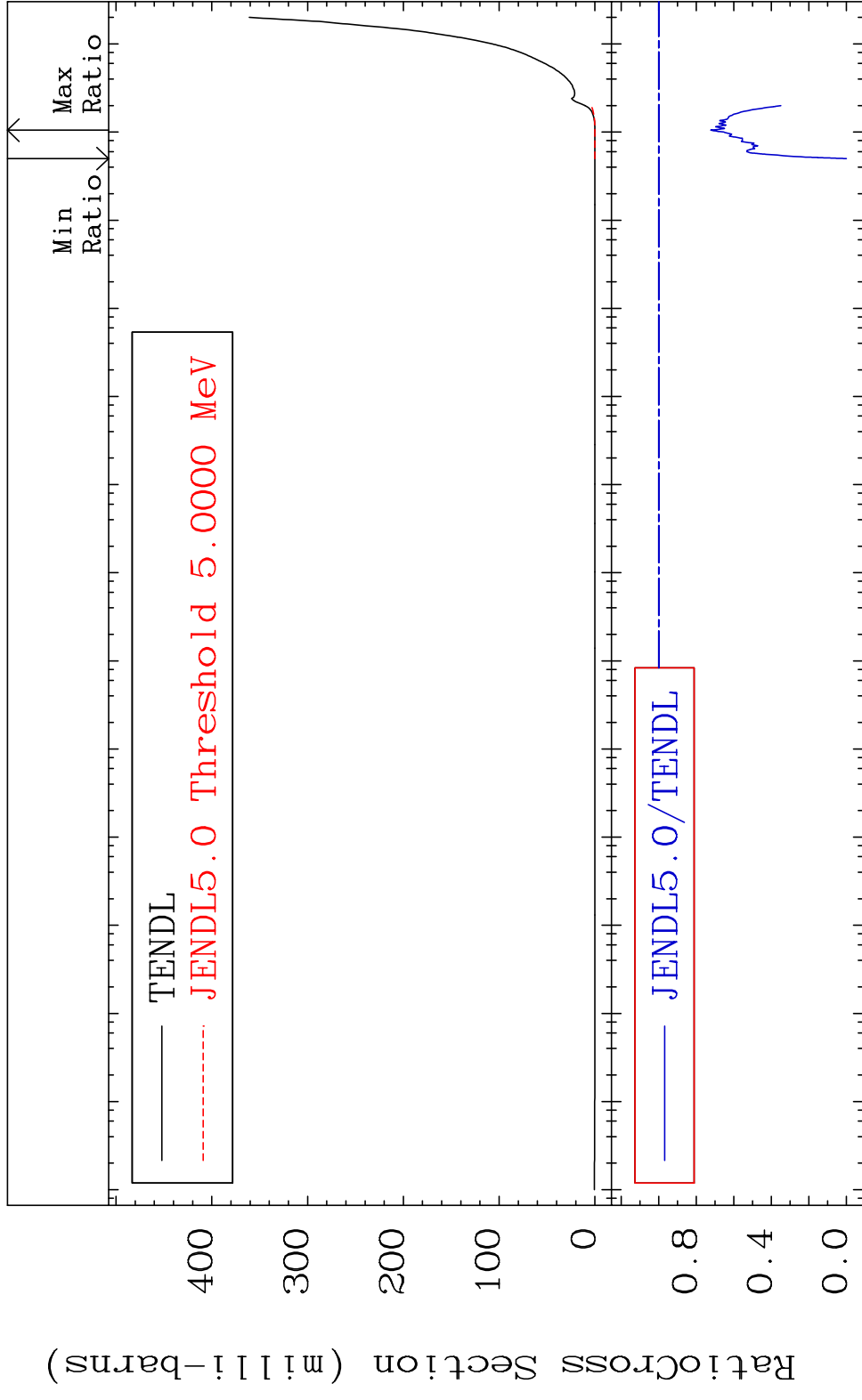
72-Hf-180

MAT 7243

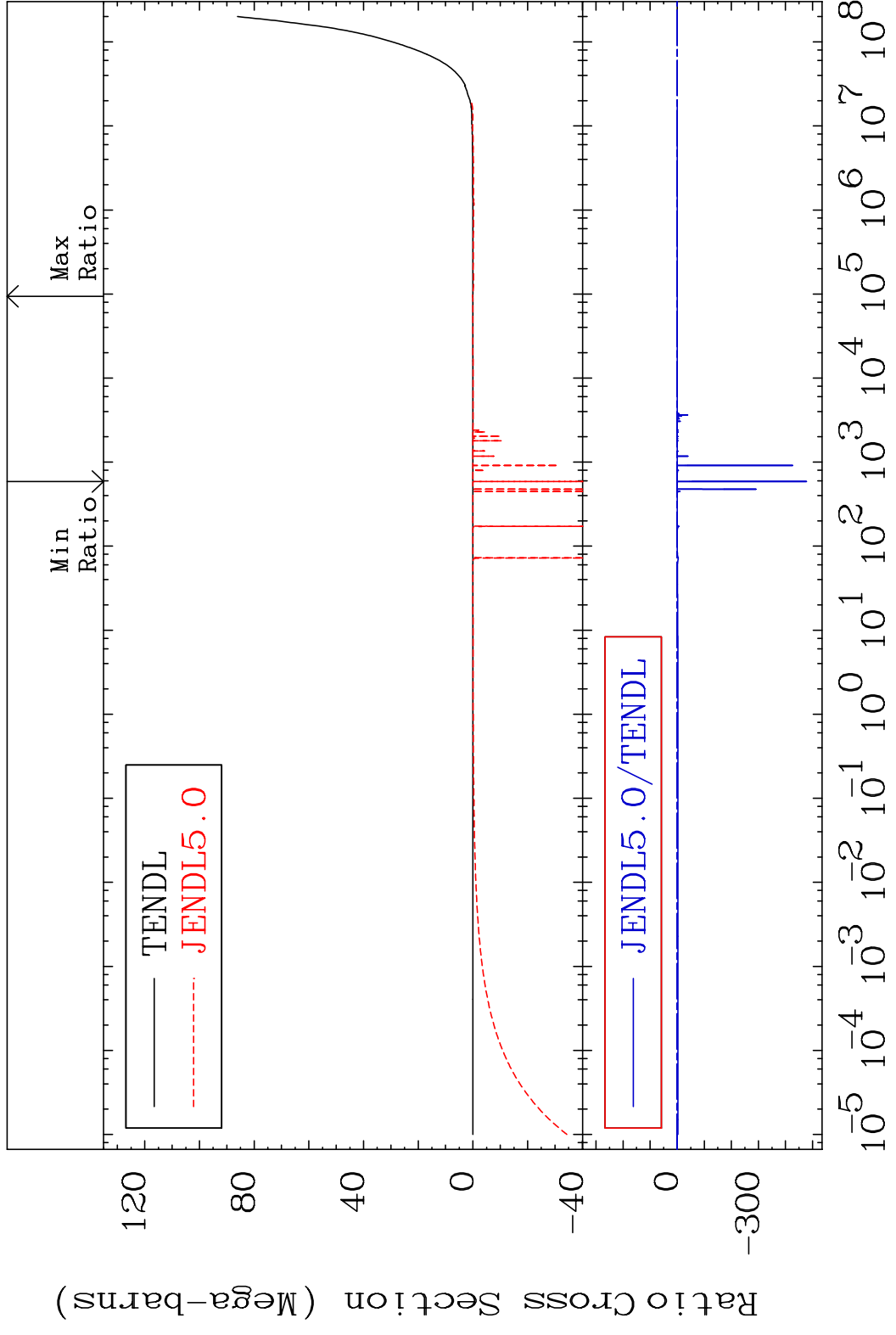
He-4 Production

72-Hf-180

Cross Section -100.0 To -27.69%



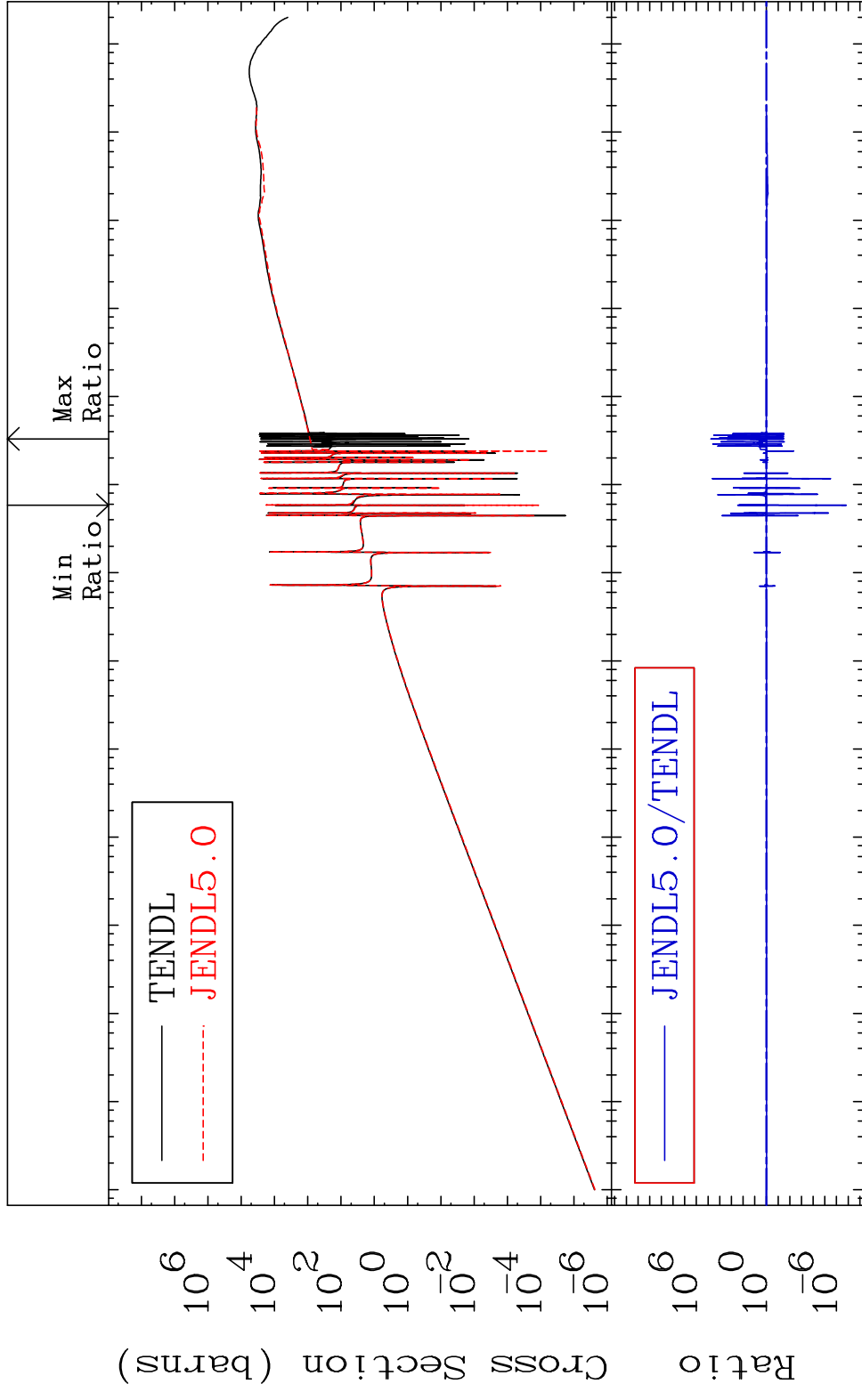
MAT 7243 Kerma total (eV-barns) 72-Hf-180  
 Cross Section -9999. To 1937. %





MAT 7243

Kerma elastic Cross Section -100.0 To 9999. %  
72-Hf-180

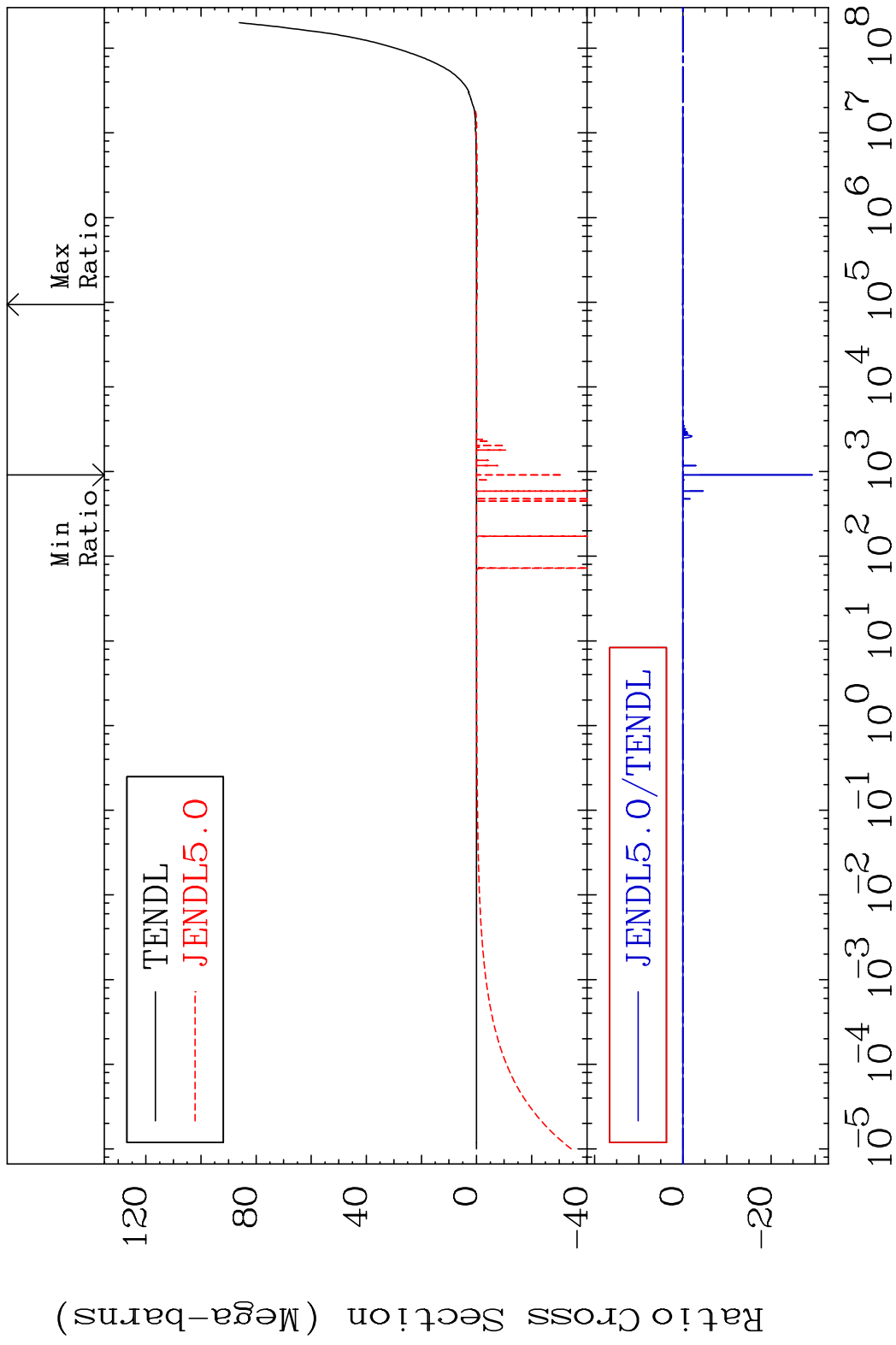


40

Incident Energy (eV)

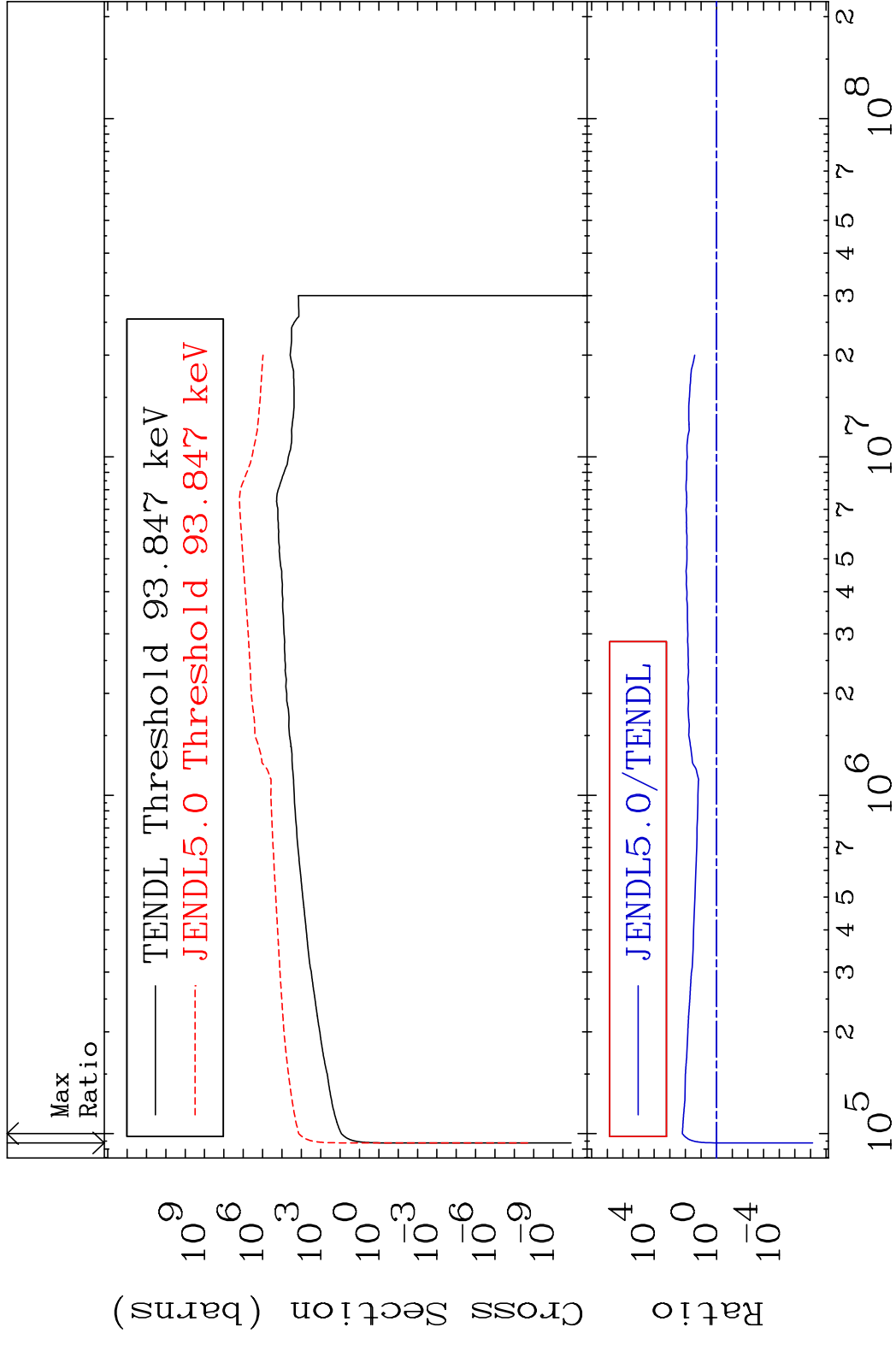
72-Hf-180

MAT 7243 Kerma non-elastic (all but mt2) 72-Hf-180  
 Cross Section -9999. To 9999. %



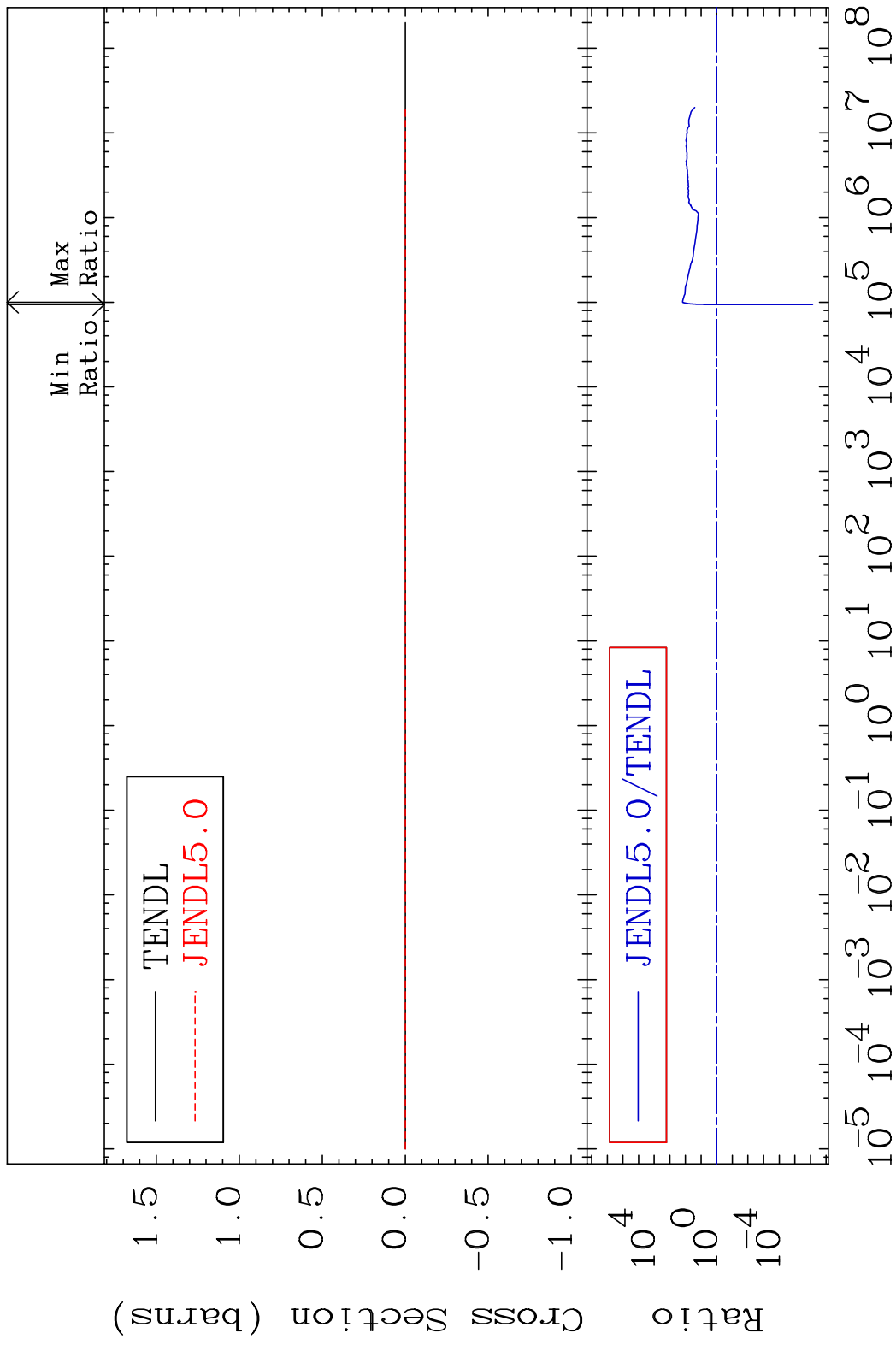
41 Incident Energy (eV) 72-Hf-180

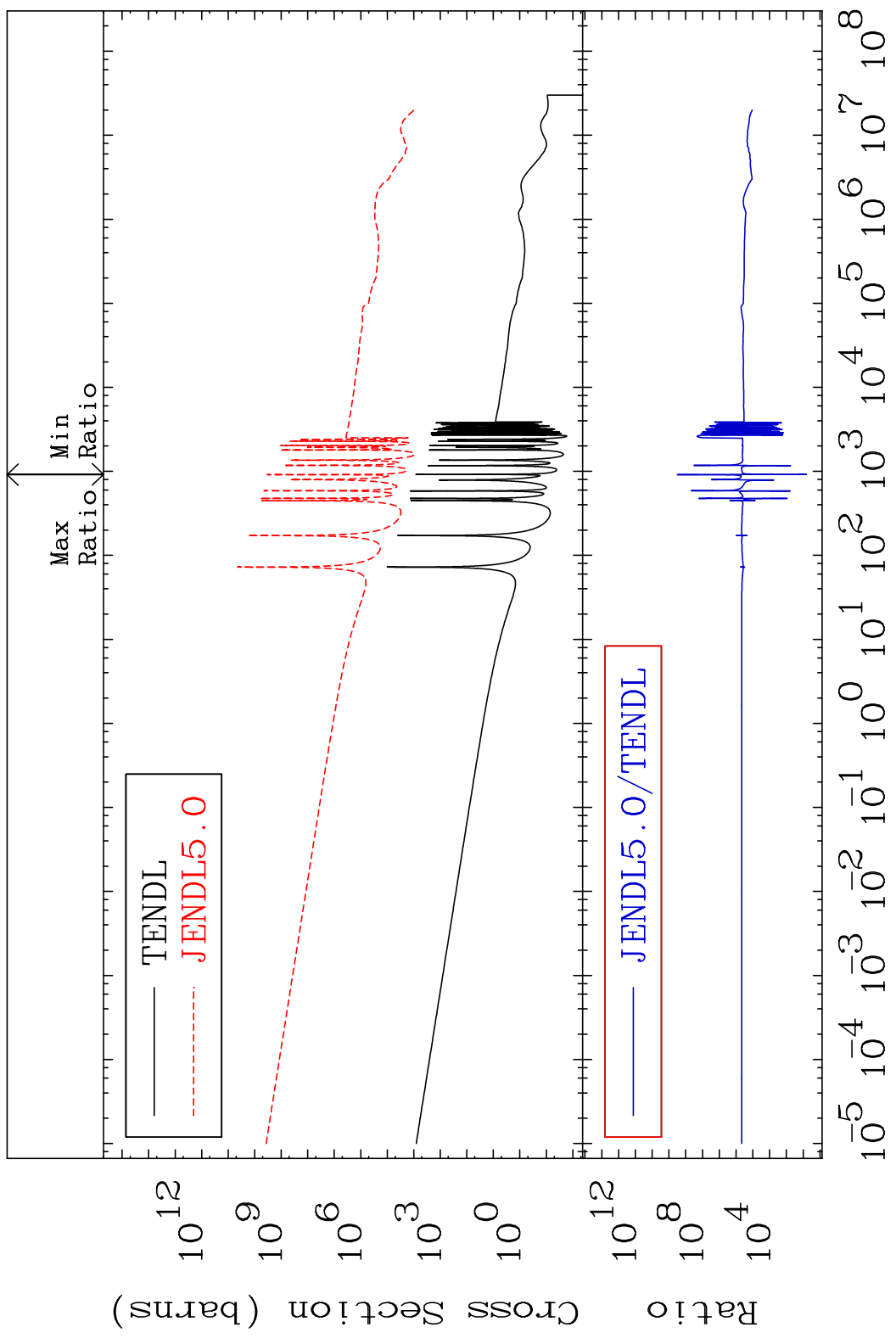
MAT 7243 Kerma inelastic (mt51-91) 72-Hf-180  
 Cross Section -100.0 To 9999. %



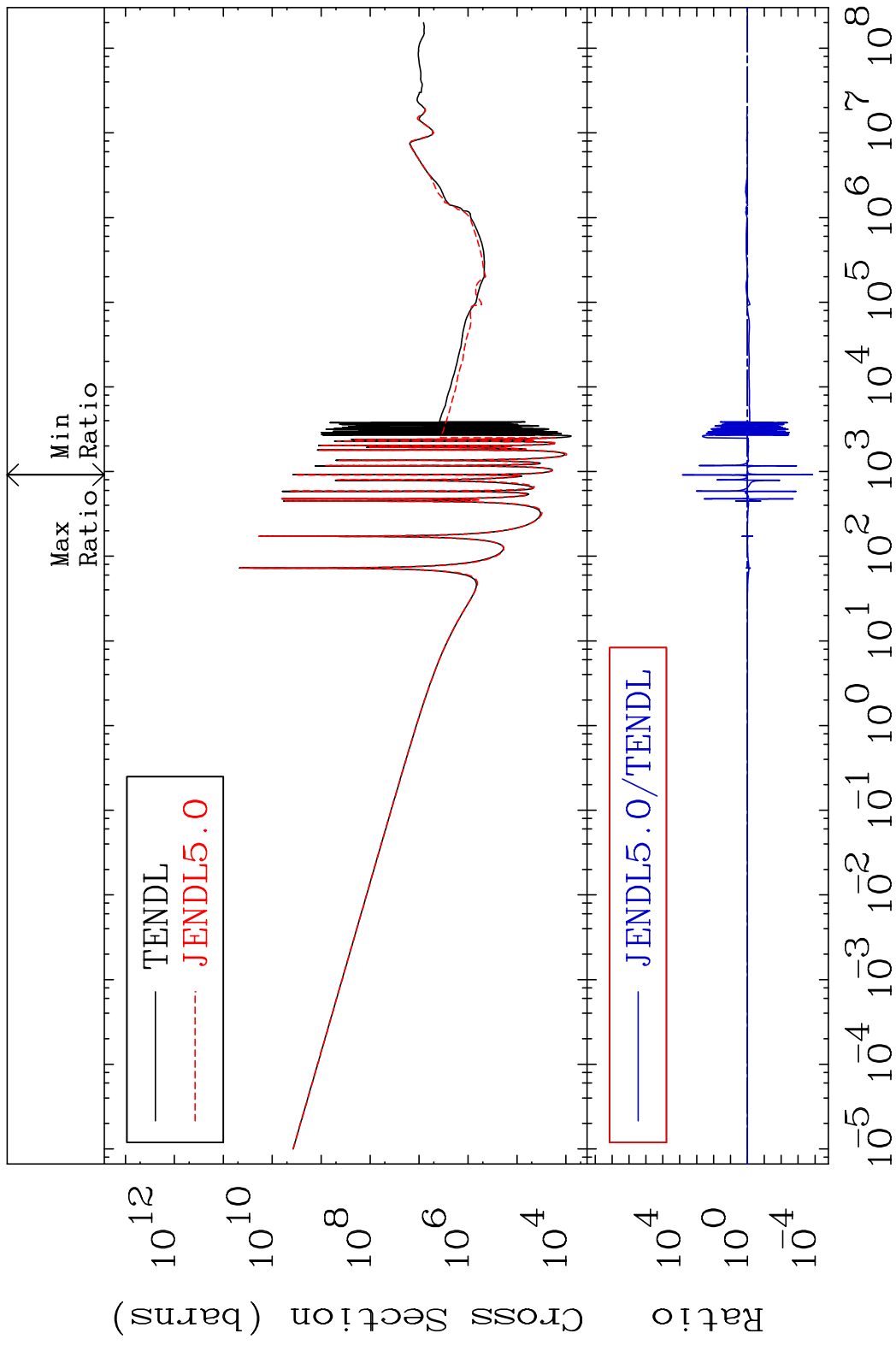
42 Incident Energy (eV) 72-Hf-180

MAT 7243 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-180  
 Cross Section -100.0 To 9999. %



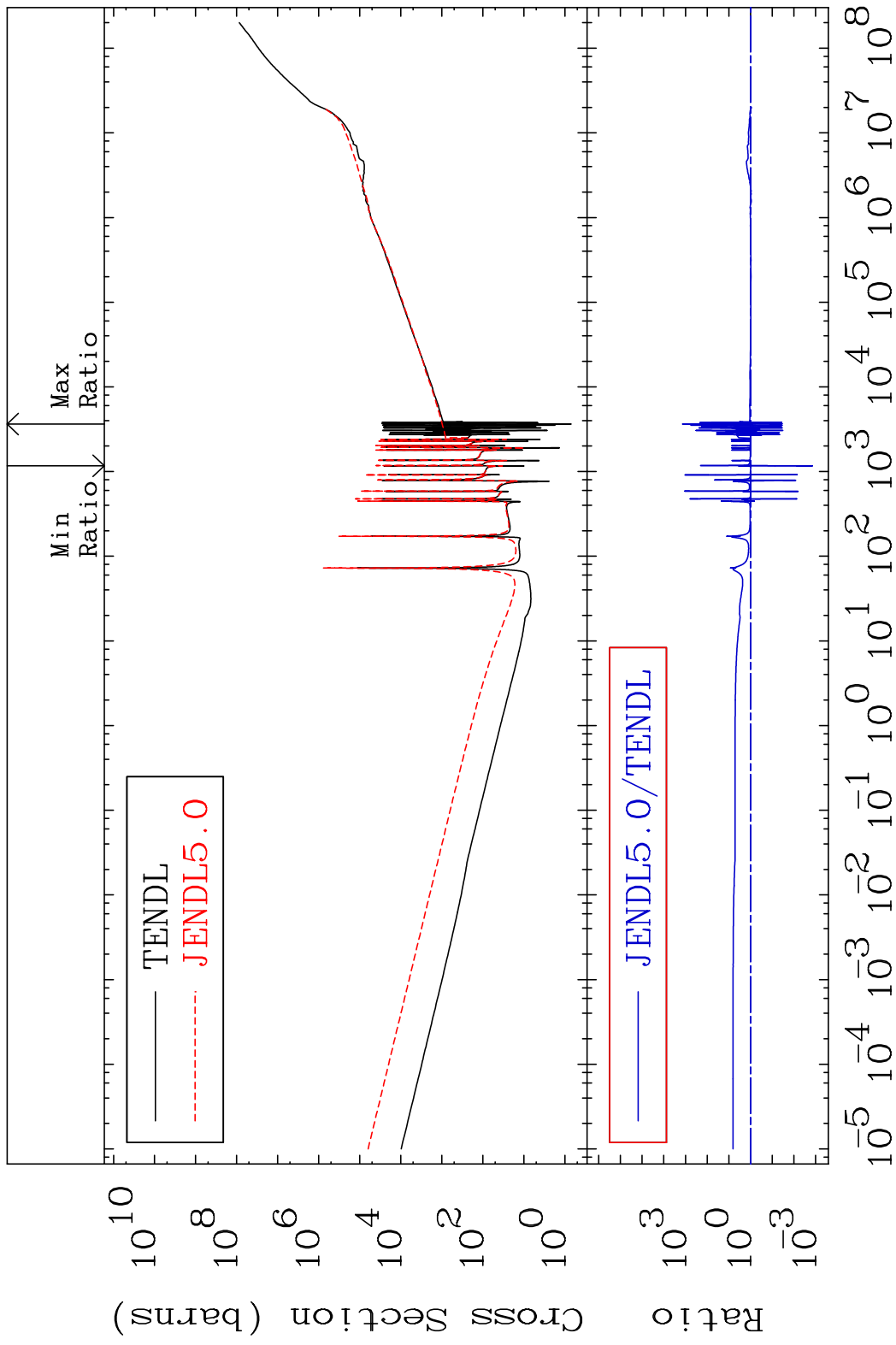


MAT 7243 Total photon (eV-barns) 72-Hf-180  
 Cross Section -99.99 To 9999. %

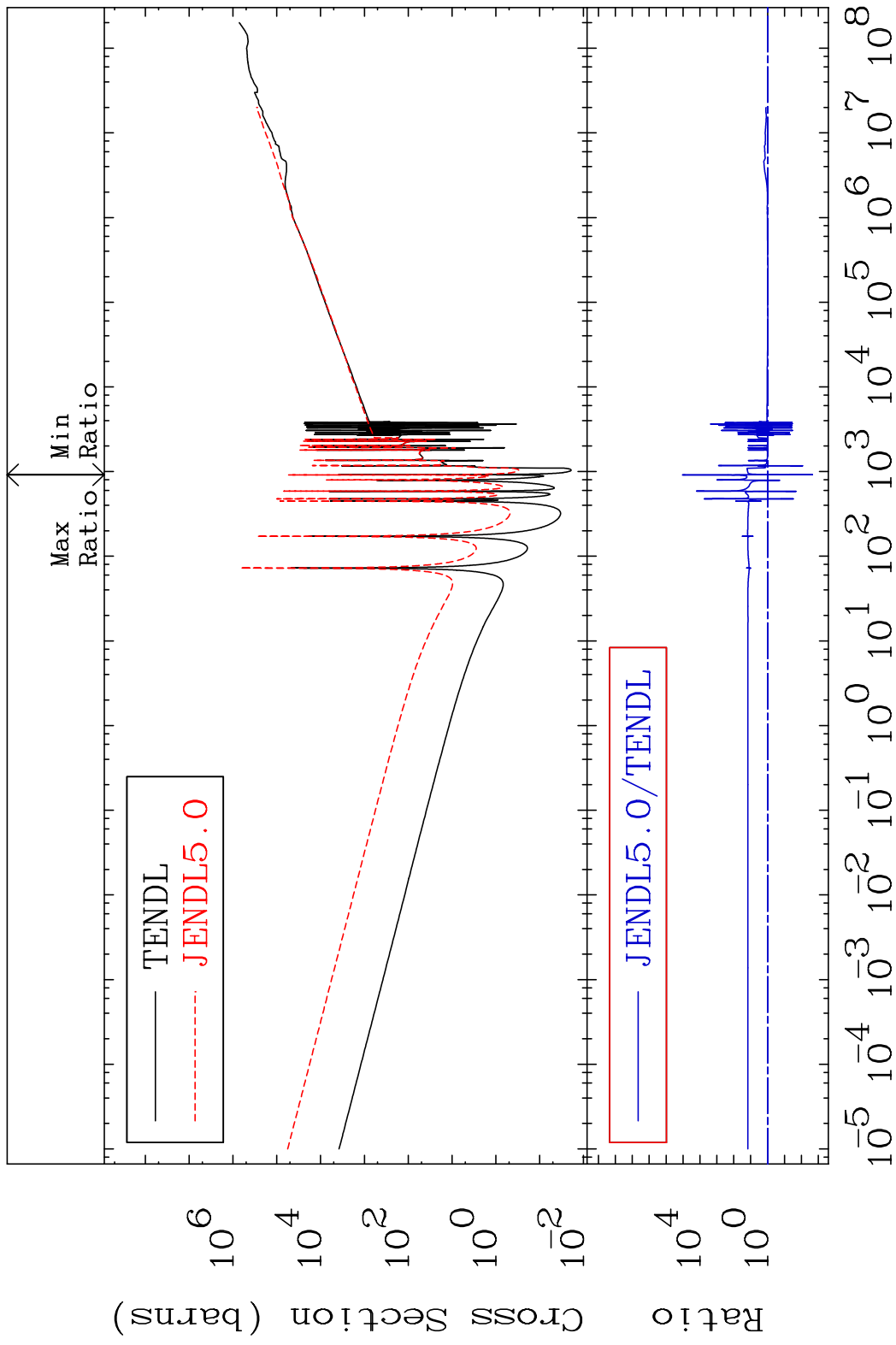


45 Incident Energy (eV) 72-Hf-180

MAT 7243 Total kinematic kerma (high limit) 72-Hf-180  
 Cross Section -99.86 To 9999. %



MAT 7243      Dpa total (eV-barns)      72-Hf-180  
 Cross Section      -99.78 To 9999. %



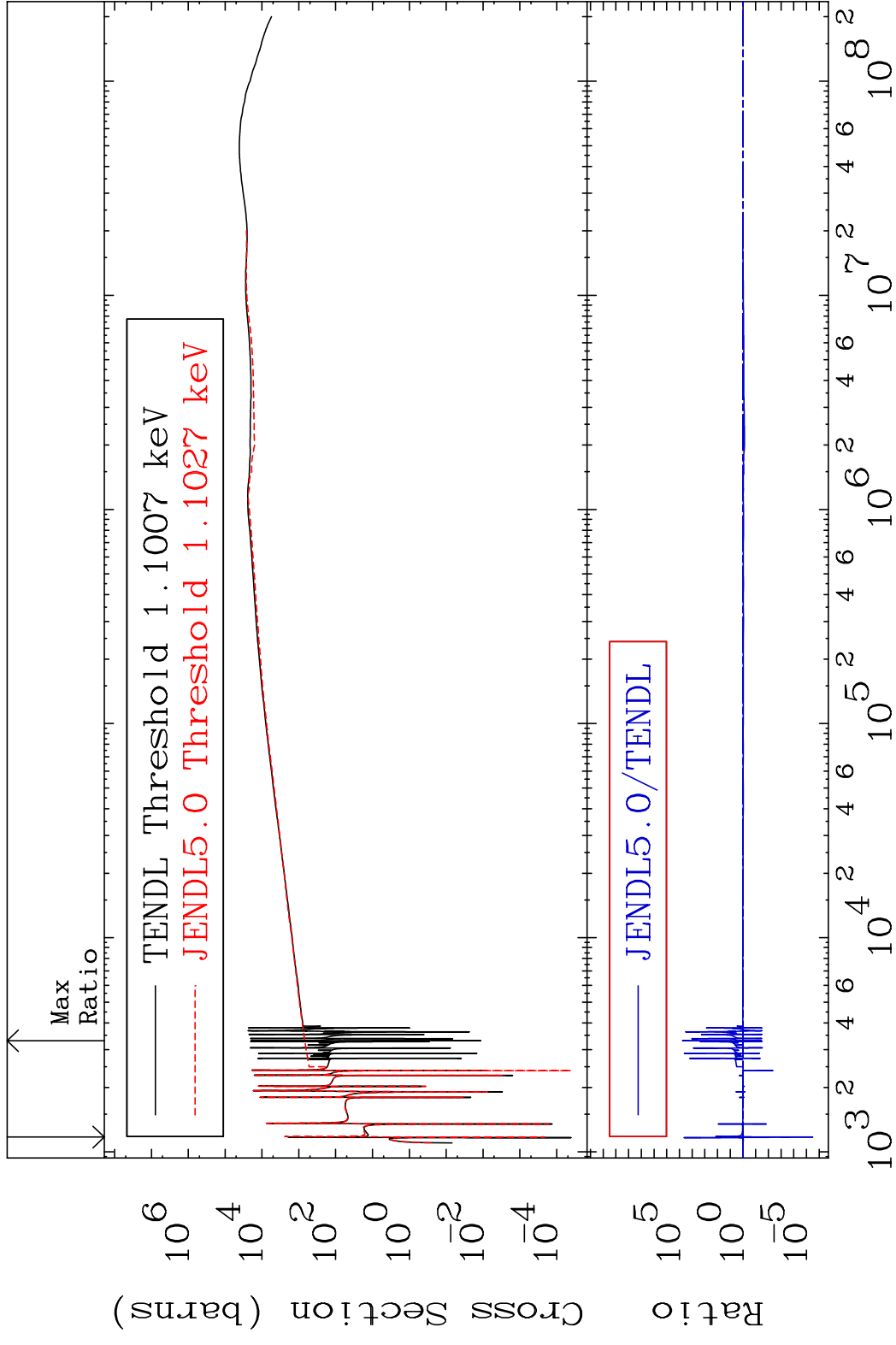


MAT 7243

Dpa elastic (mt2)

72-Hf-180

Cross Section -100.0 To 9999. %

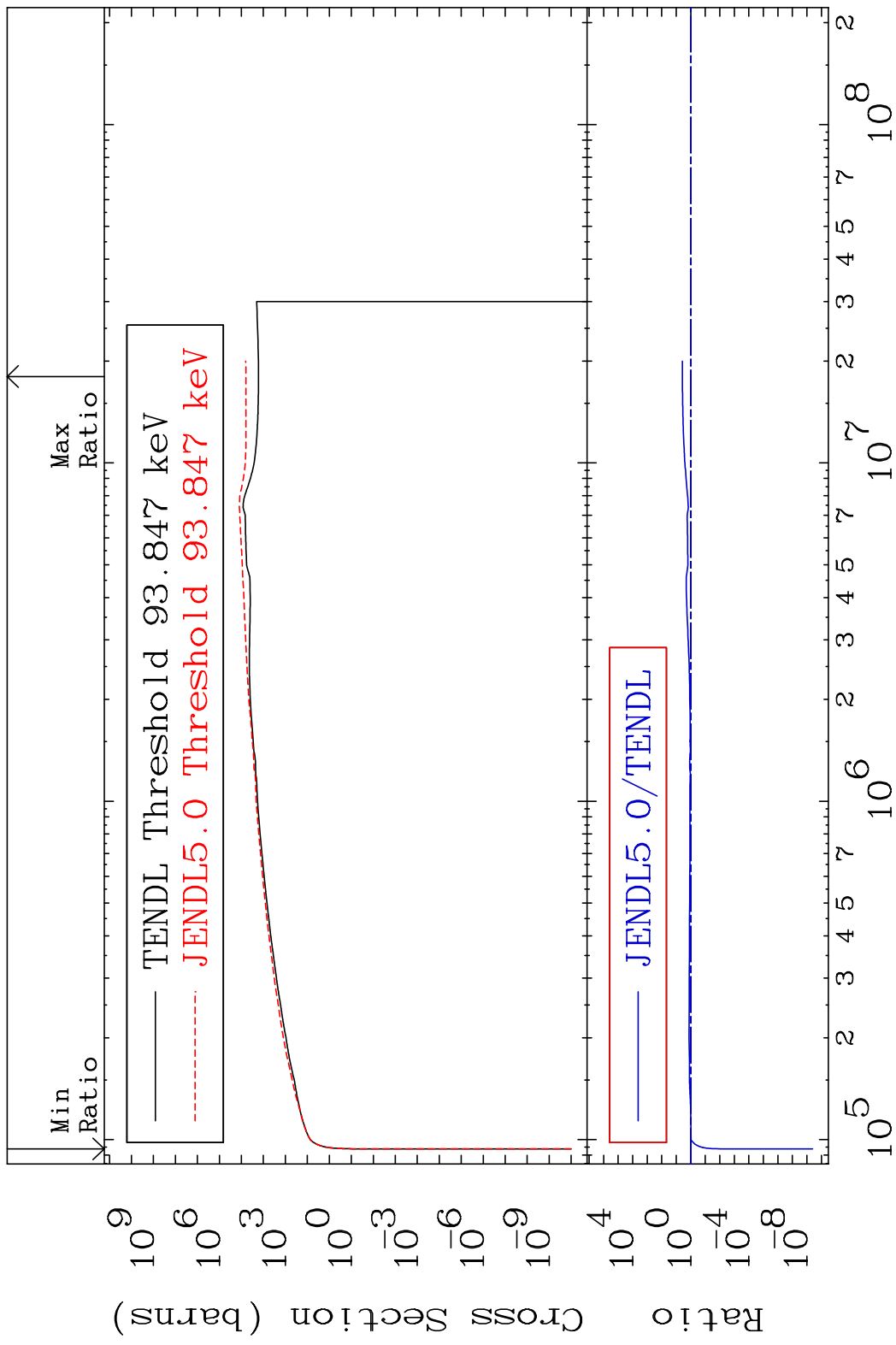


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Incident Energy (eV)

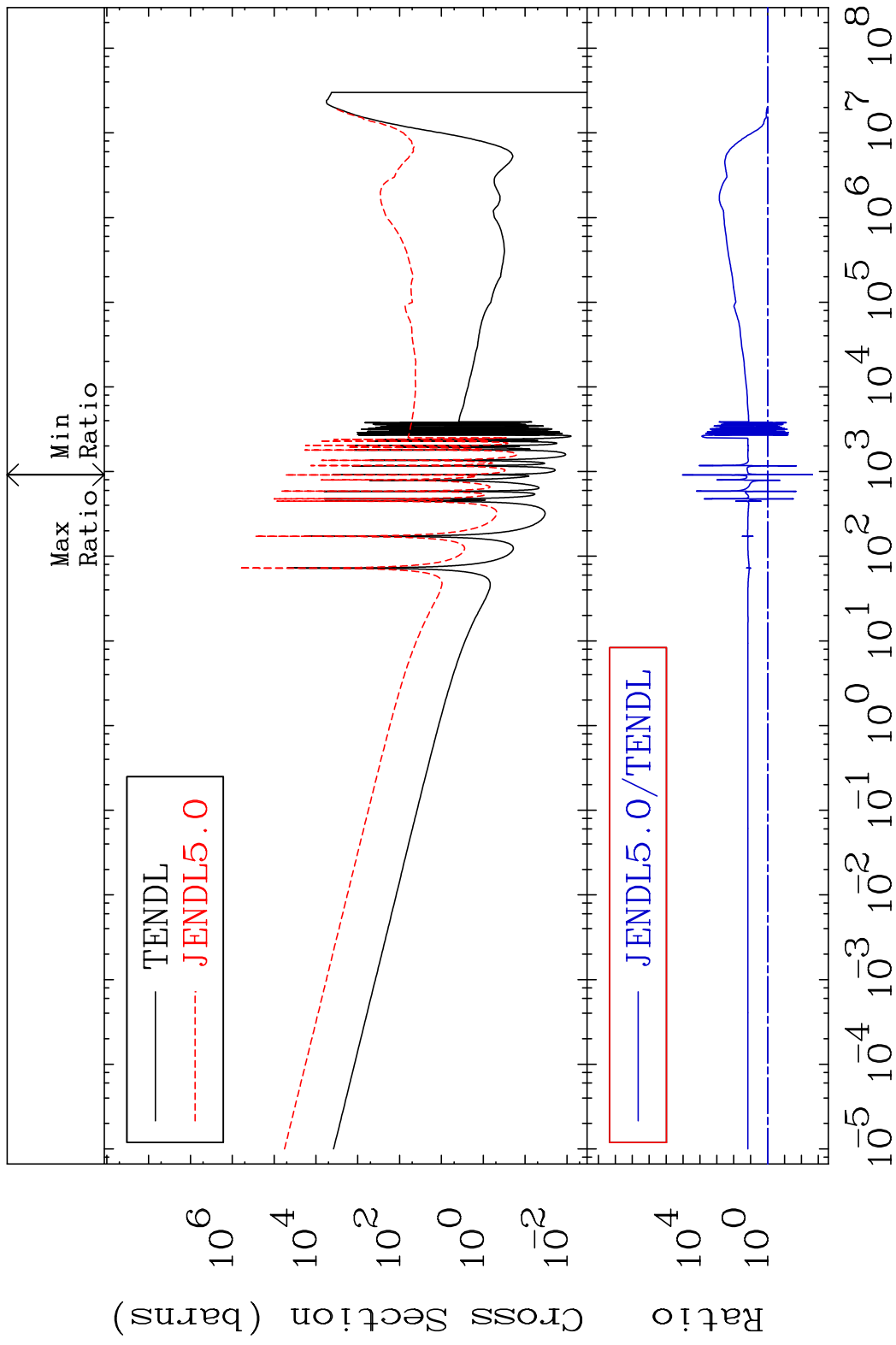
72-Hf-180

MAT 7243      Dpa inelastic (mt51-91)      72-Hf-180  
 Cross Section      -100.0 To 277.9 %

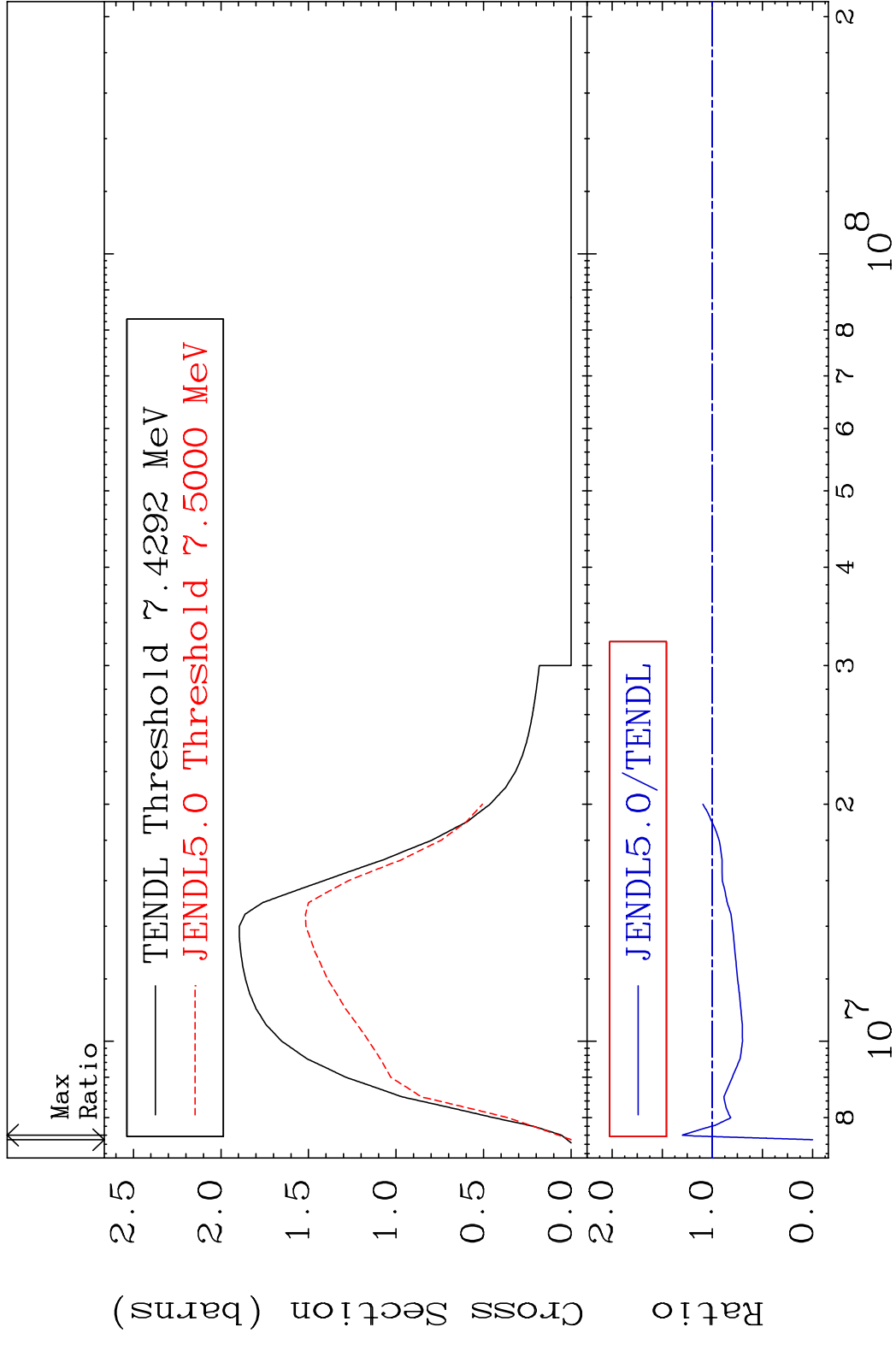


49      Incident Energy (eV)      72-Hf-180

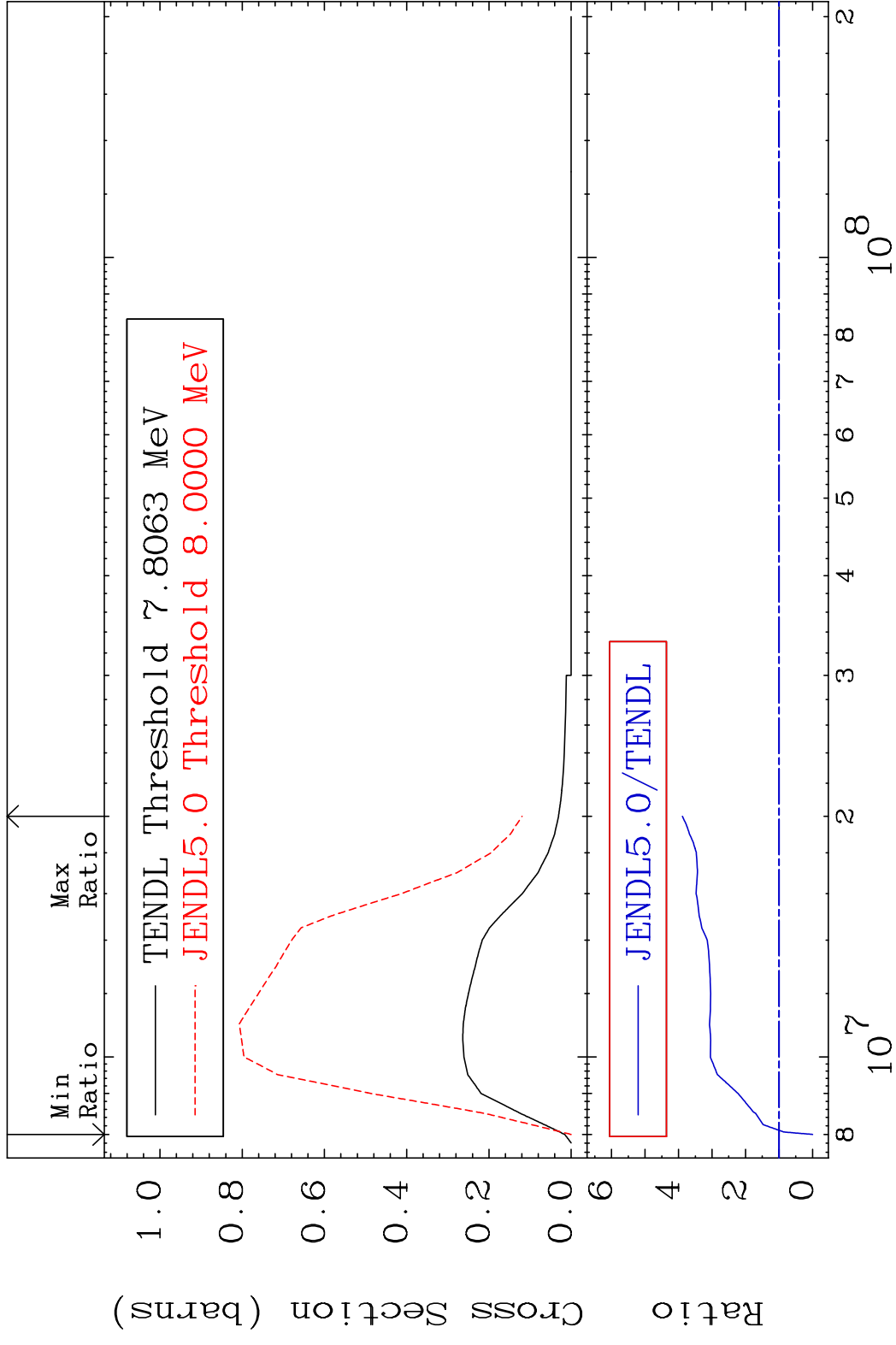
MAT 7243 Dpa disappearance (mt102 -120) 72-Hf-180  
 Cross Section -99.78 To 9999. %



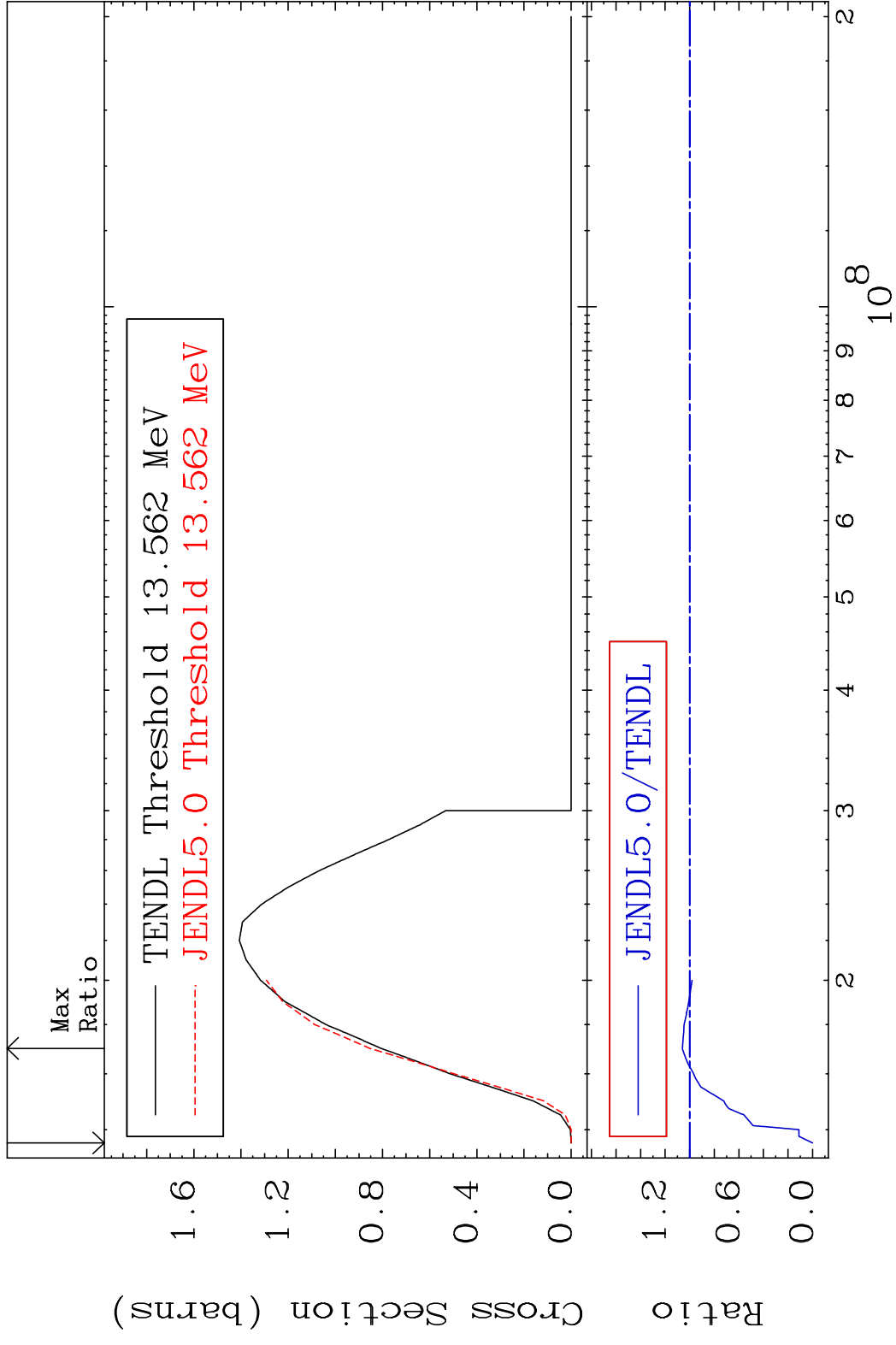
MAT 7243 (n,2n):72-Hf-179g 72-Hf-180  
 Radionuclide Production Cross Section (barn) 29.92 %

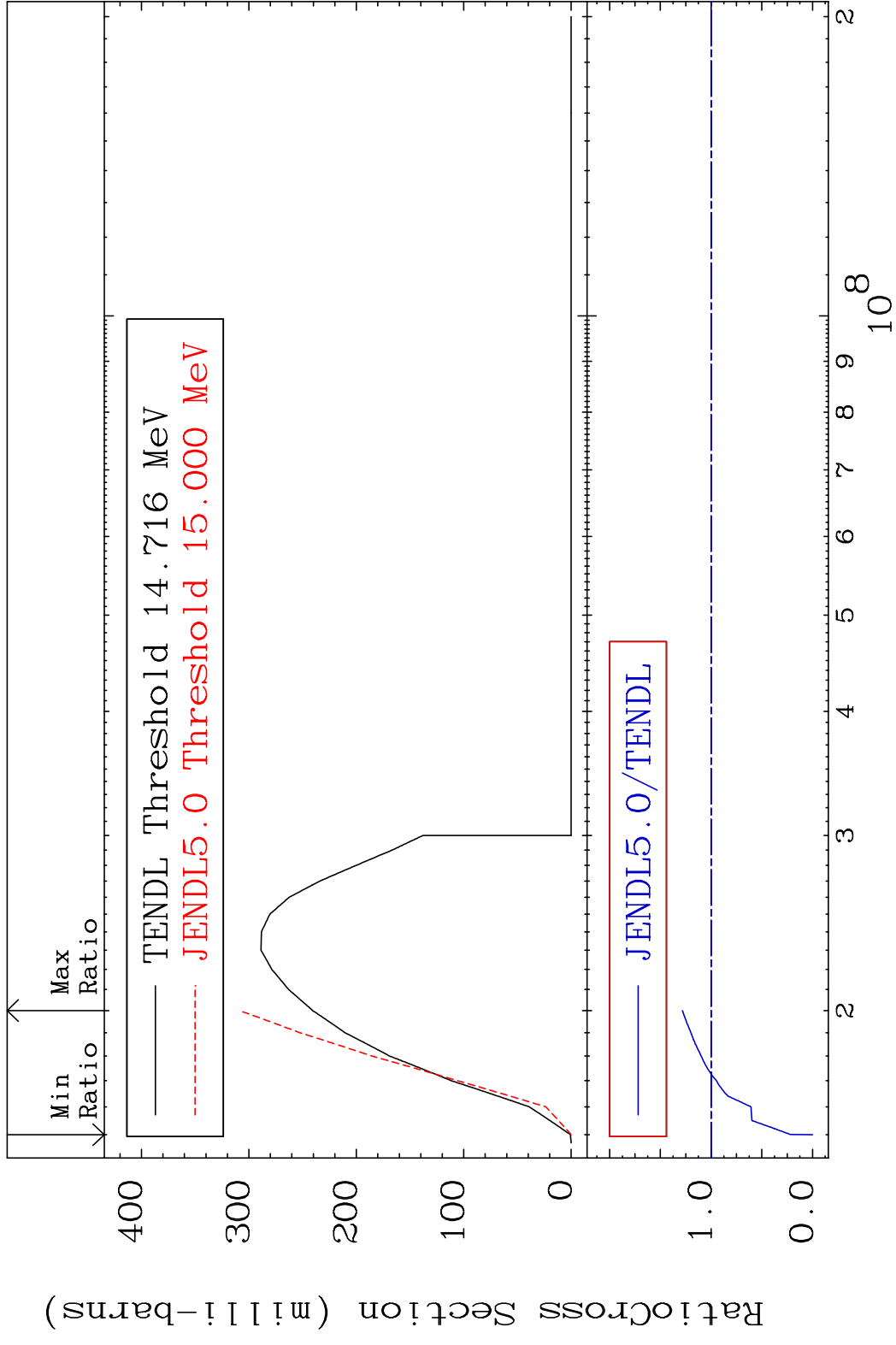


MAT 7243 (n,2n):72-Hf-179m5 72-Hf-180  
 Radionuclide Production Cross Section Ratio 288.6 %

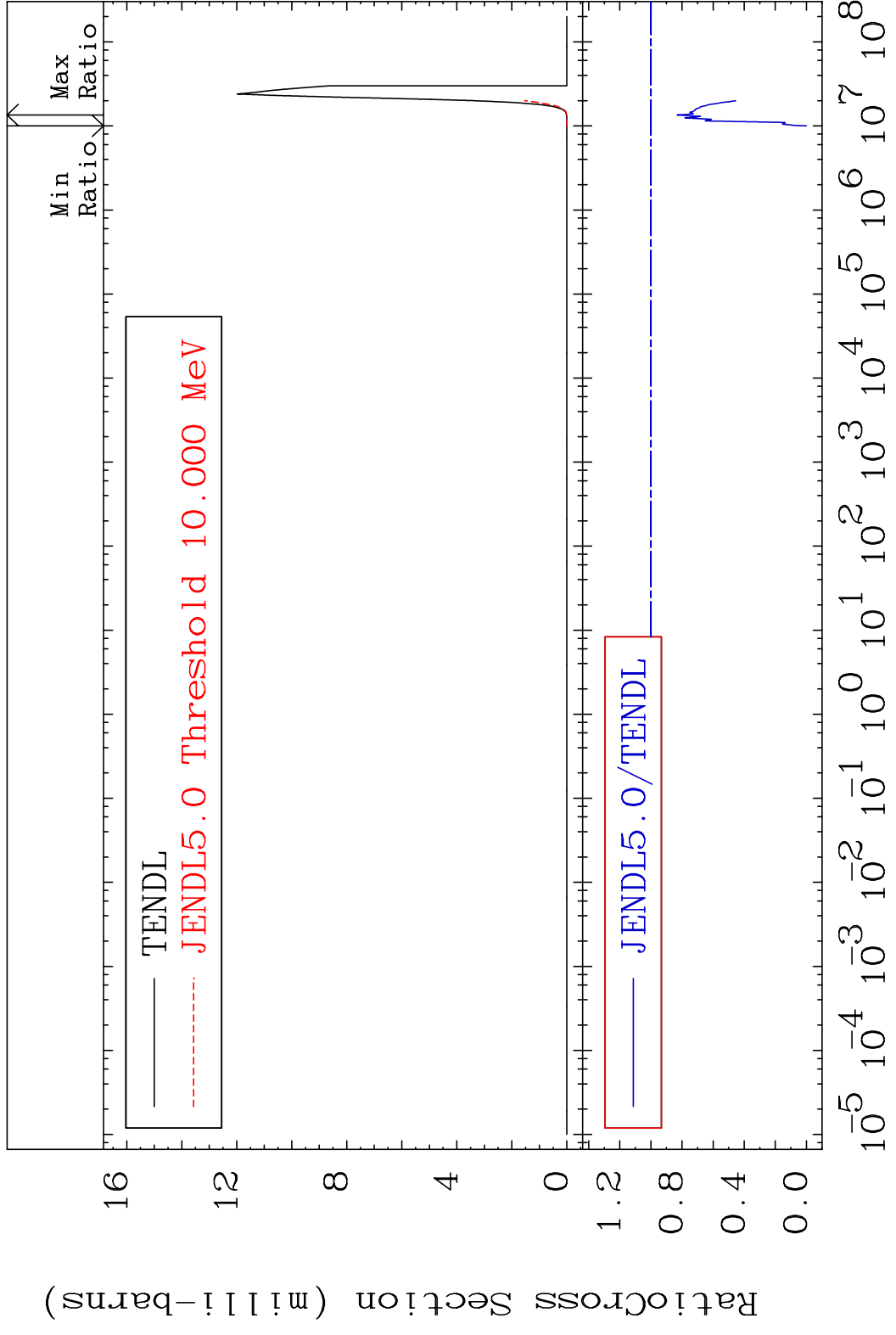


MAT 7243 (n, 3n): 72-Hf-178g 72-Hf-180  
 Radionuclide Production Cross Section Ratio 5.989 %



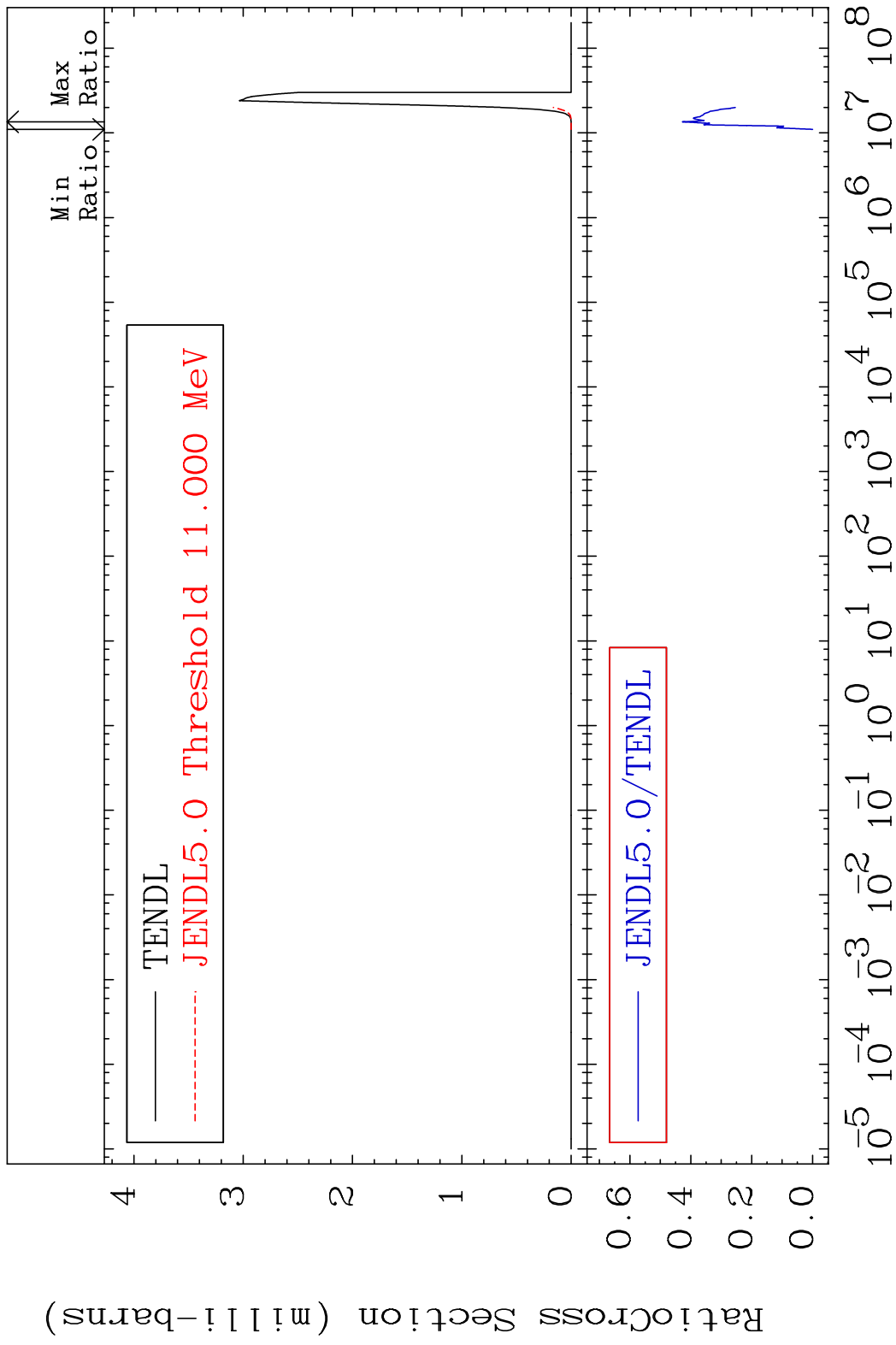


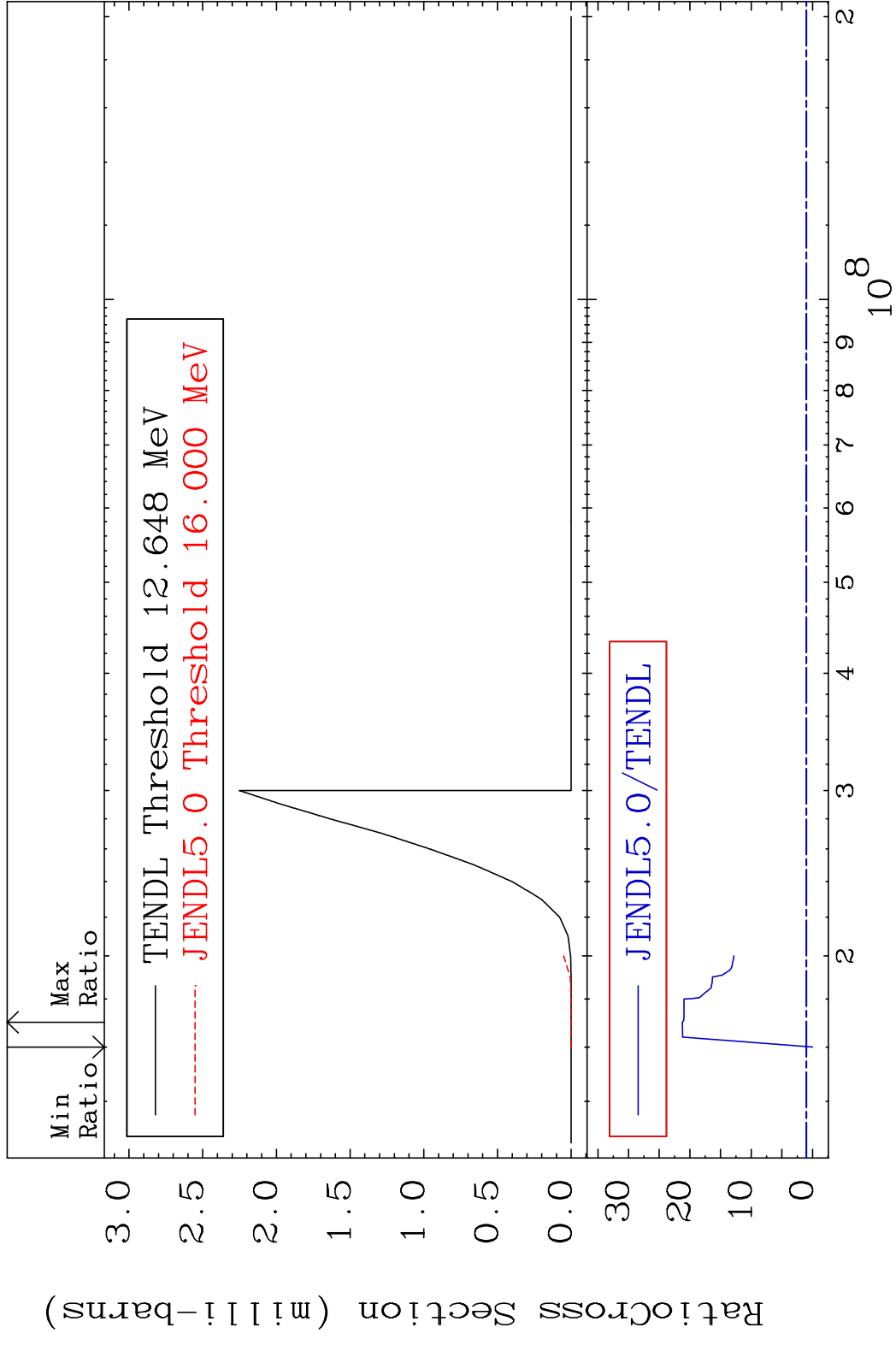
MAT 7243 (n, n')  $\alpha$ :70-Yb-176g 72-Hf-180  
 Radionuclide Production Cross Section Ratio - 16.90%

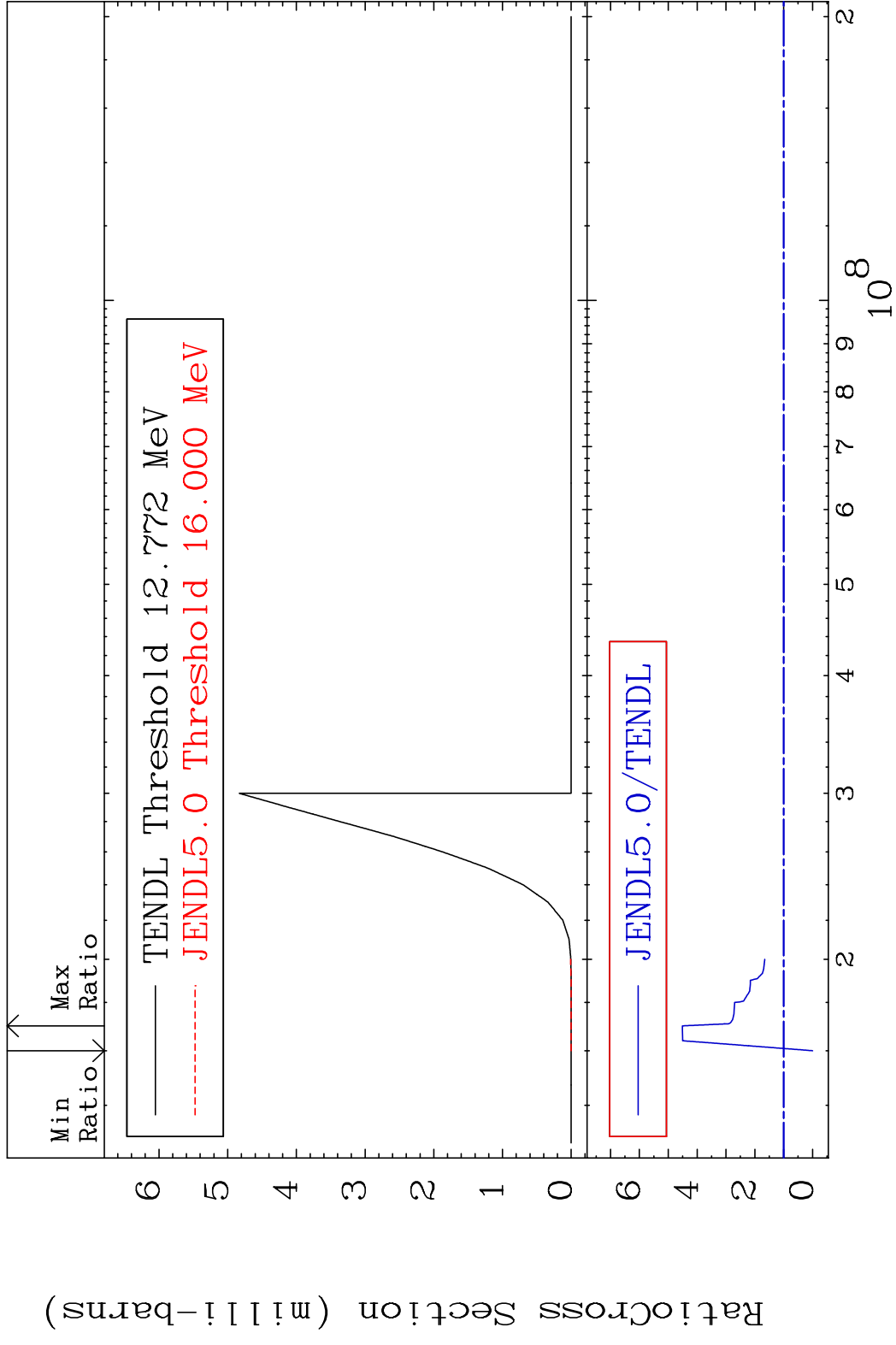


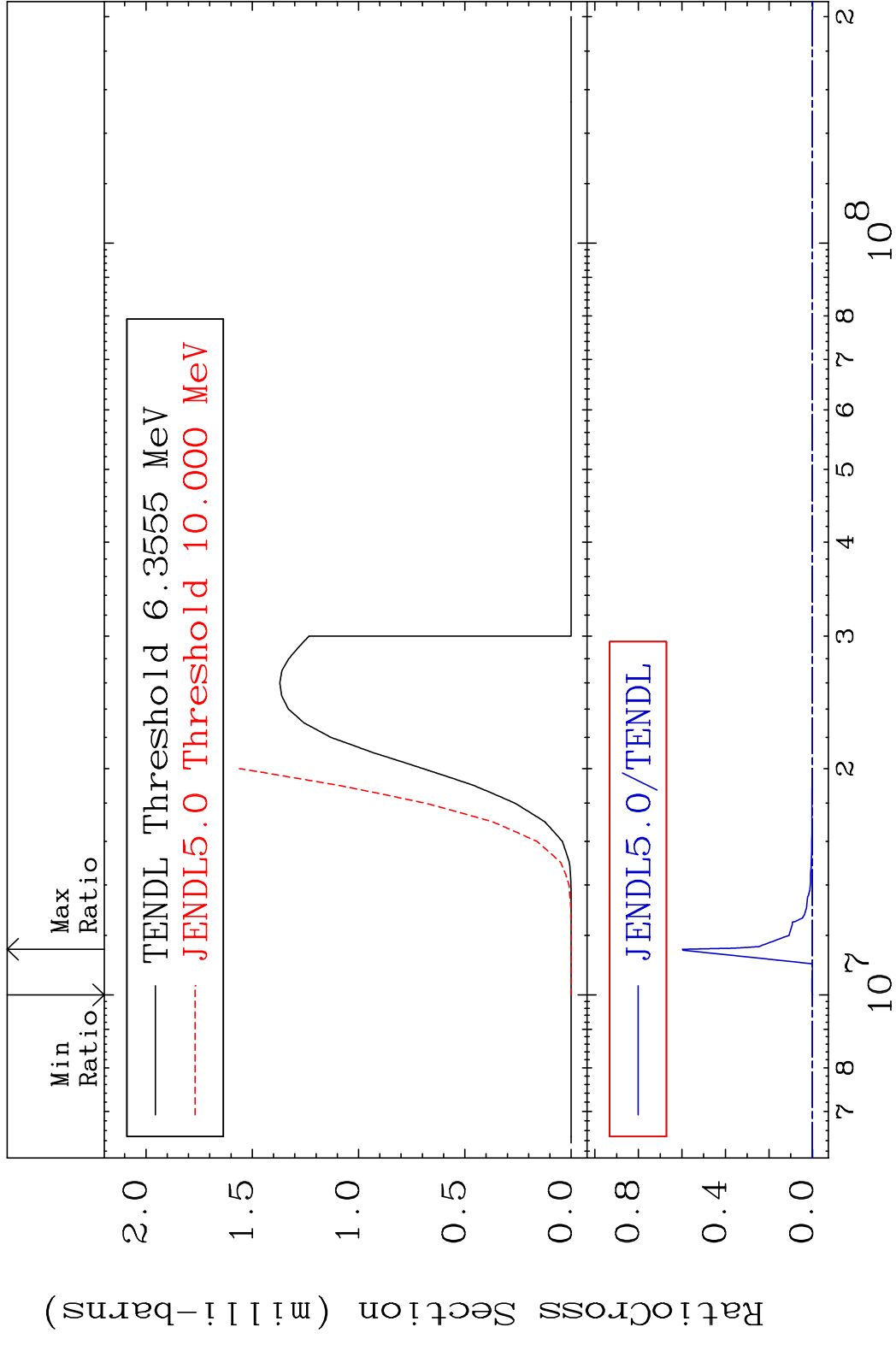


MAT 7243 (n, n')  $\alpha$ :70-Yb-176m5 72-Hf-180  
 Radionuclide Production Cross Section Ratio -57.23%

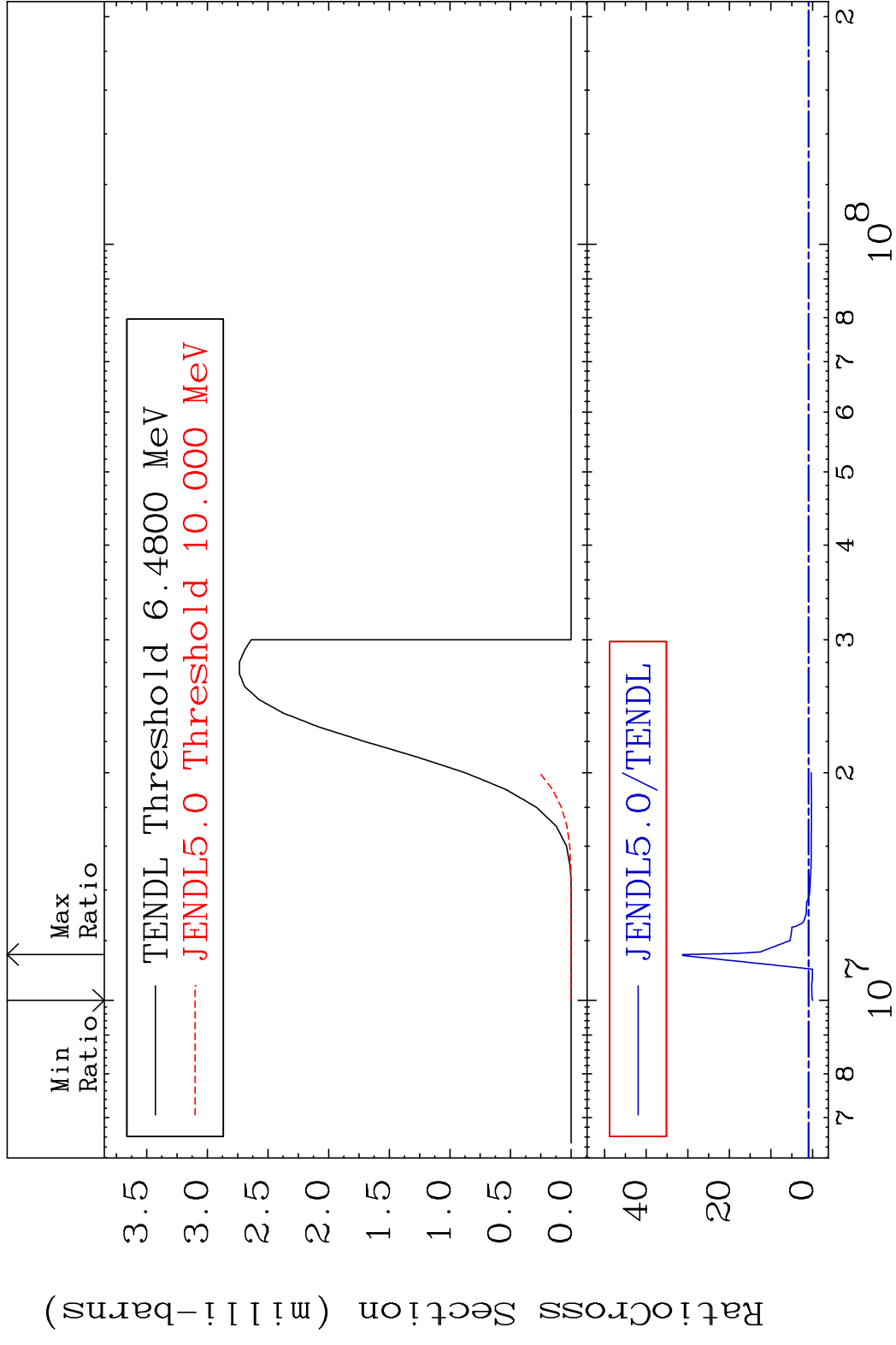




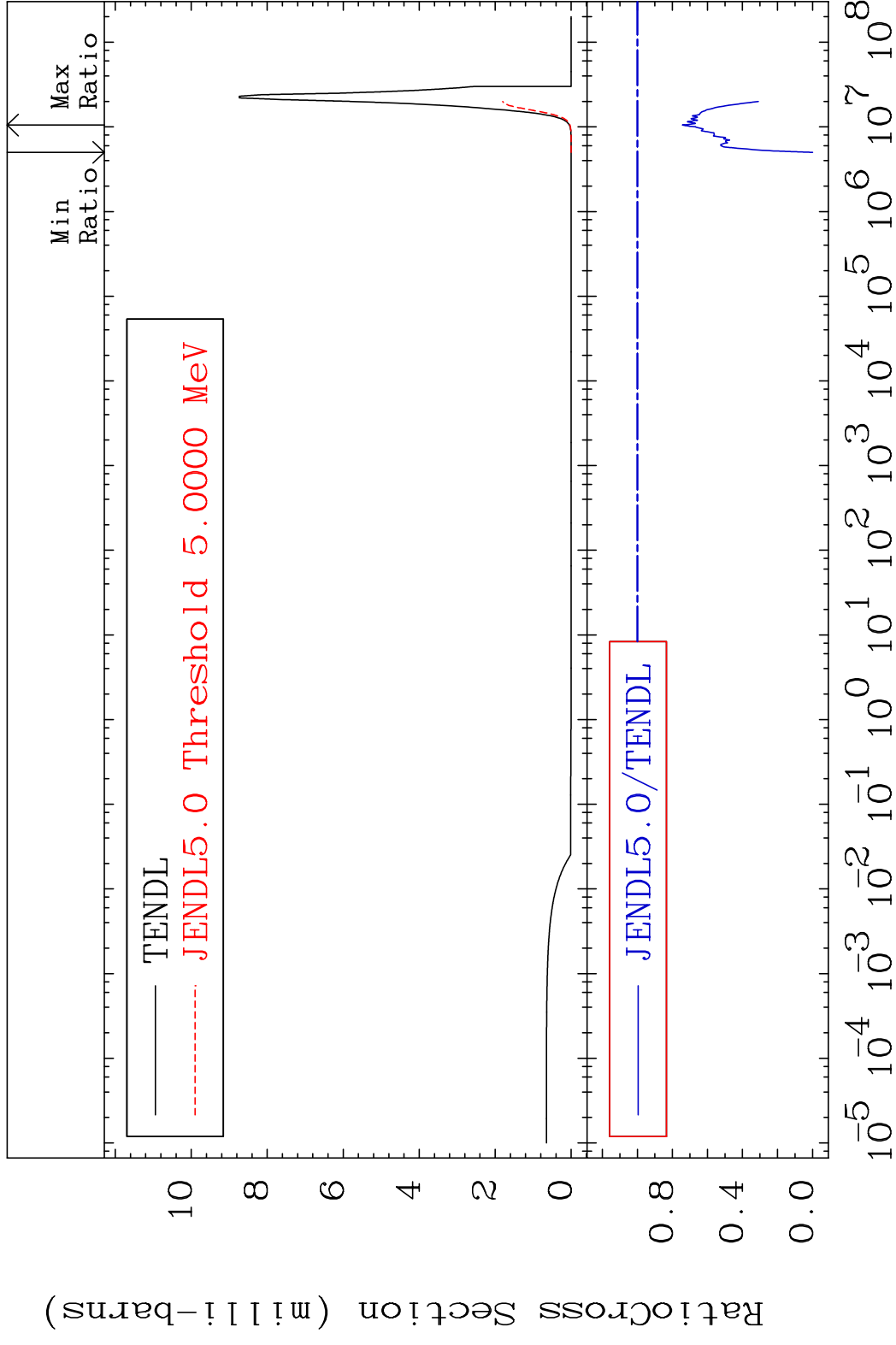




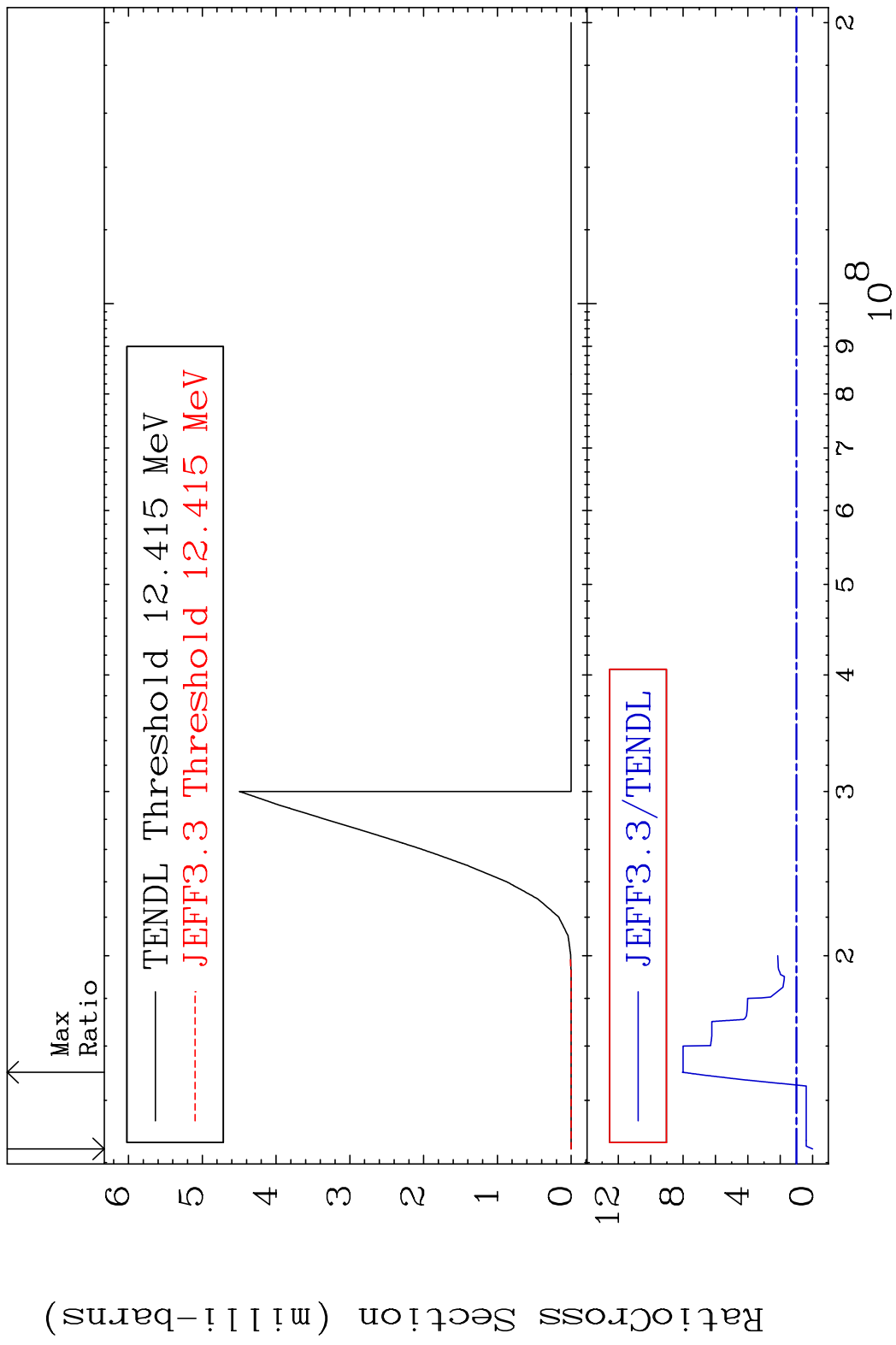
MAT 7243 (n, t):71-Lu-178m3 72-Hf-180  
 Radionuclide Production Cross Section 180.01 dth 3031. %

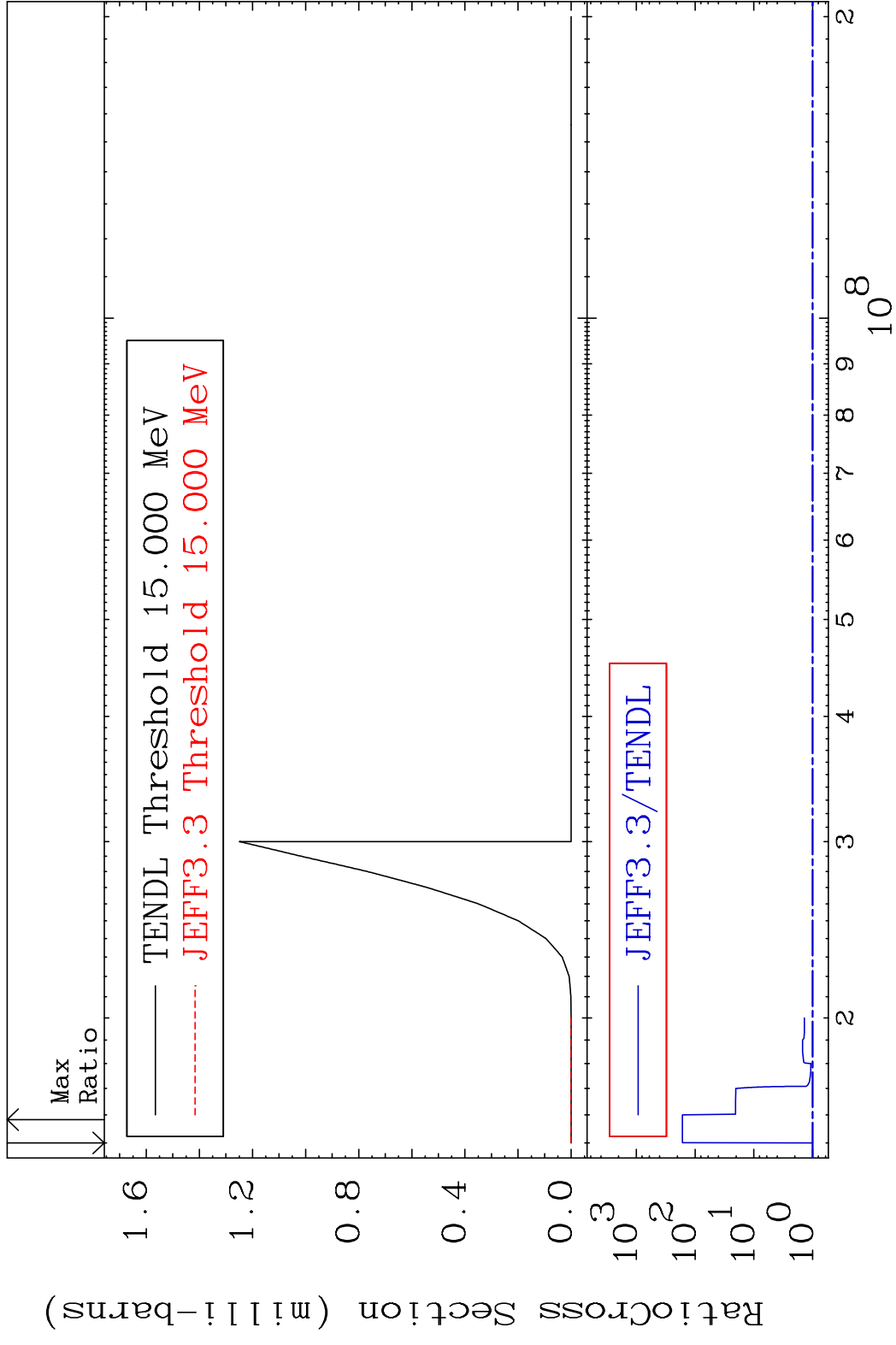


MAT 7243 (n,α):70-Yb-177g 72-Hf-180  
 Radionuclide Production Cross Section Ratio -25.68%

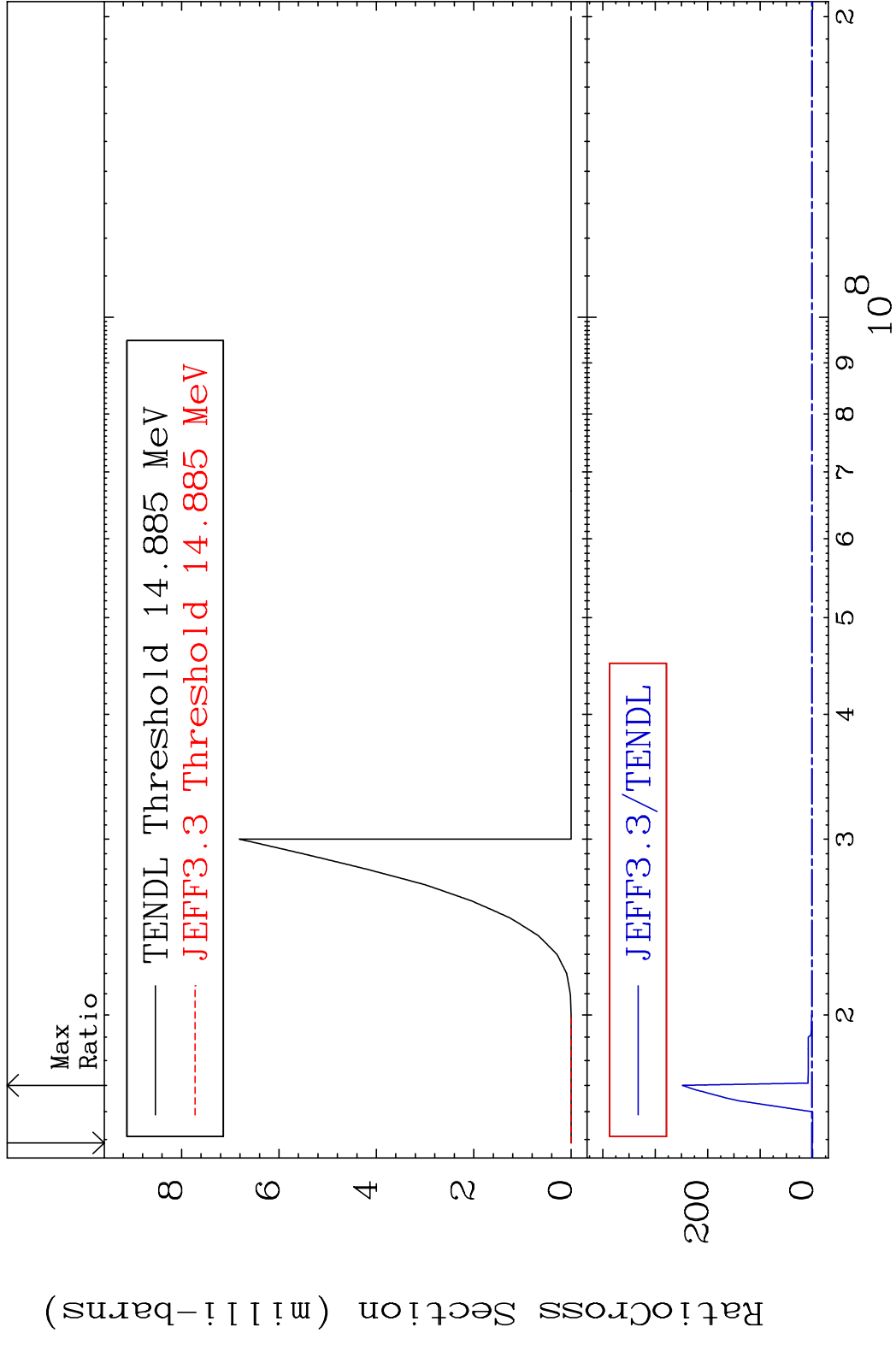


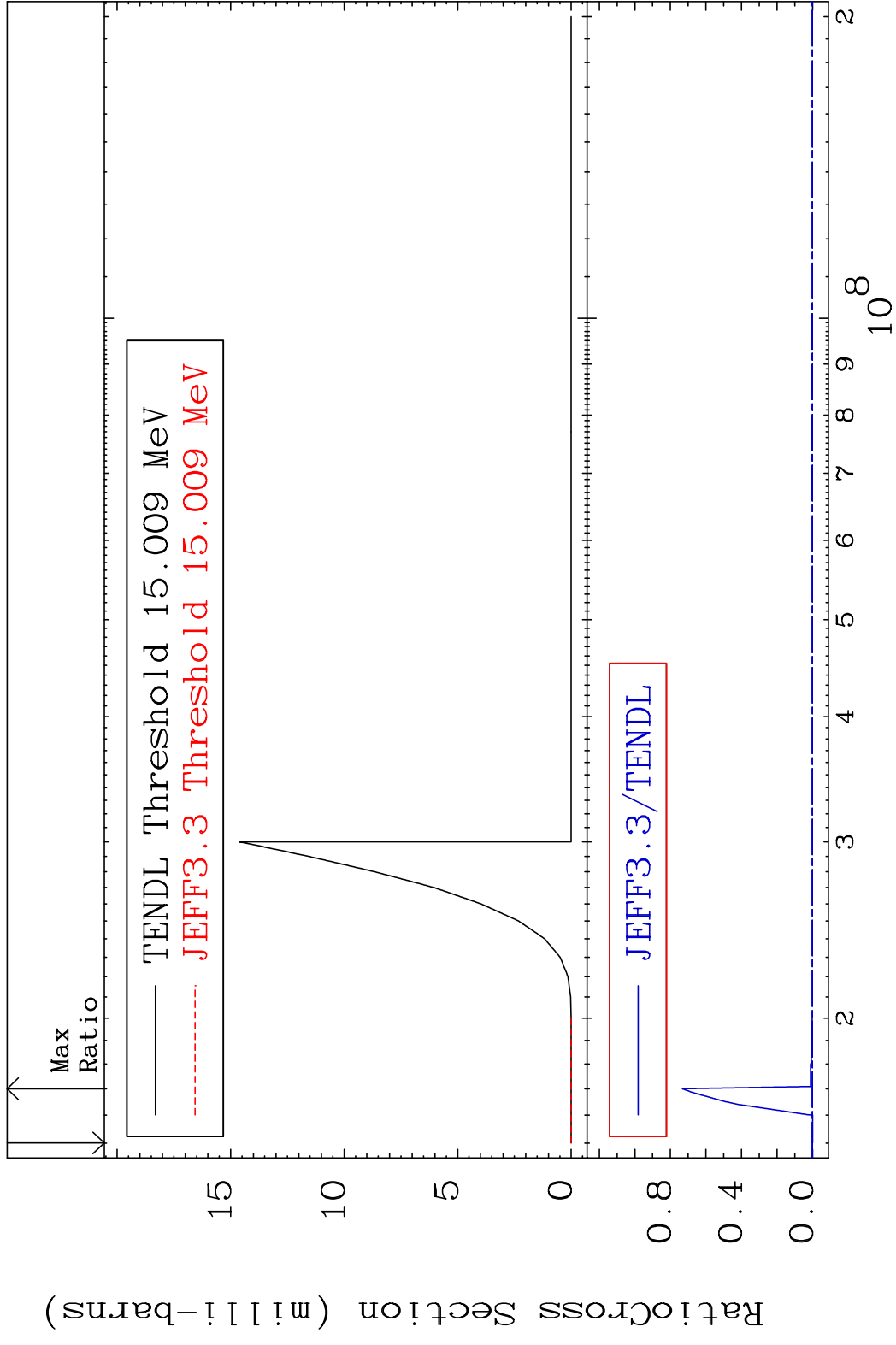
MAT 7243 (n, n') t:71-Lu-177g 72-Hf-180  
 Radionuclide Production Cross Section 180.01 dth 704.1 %

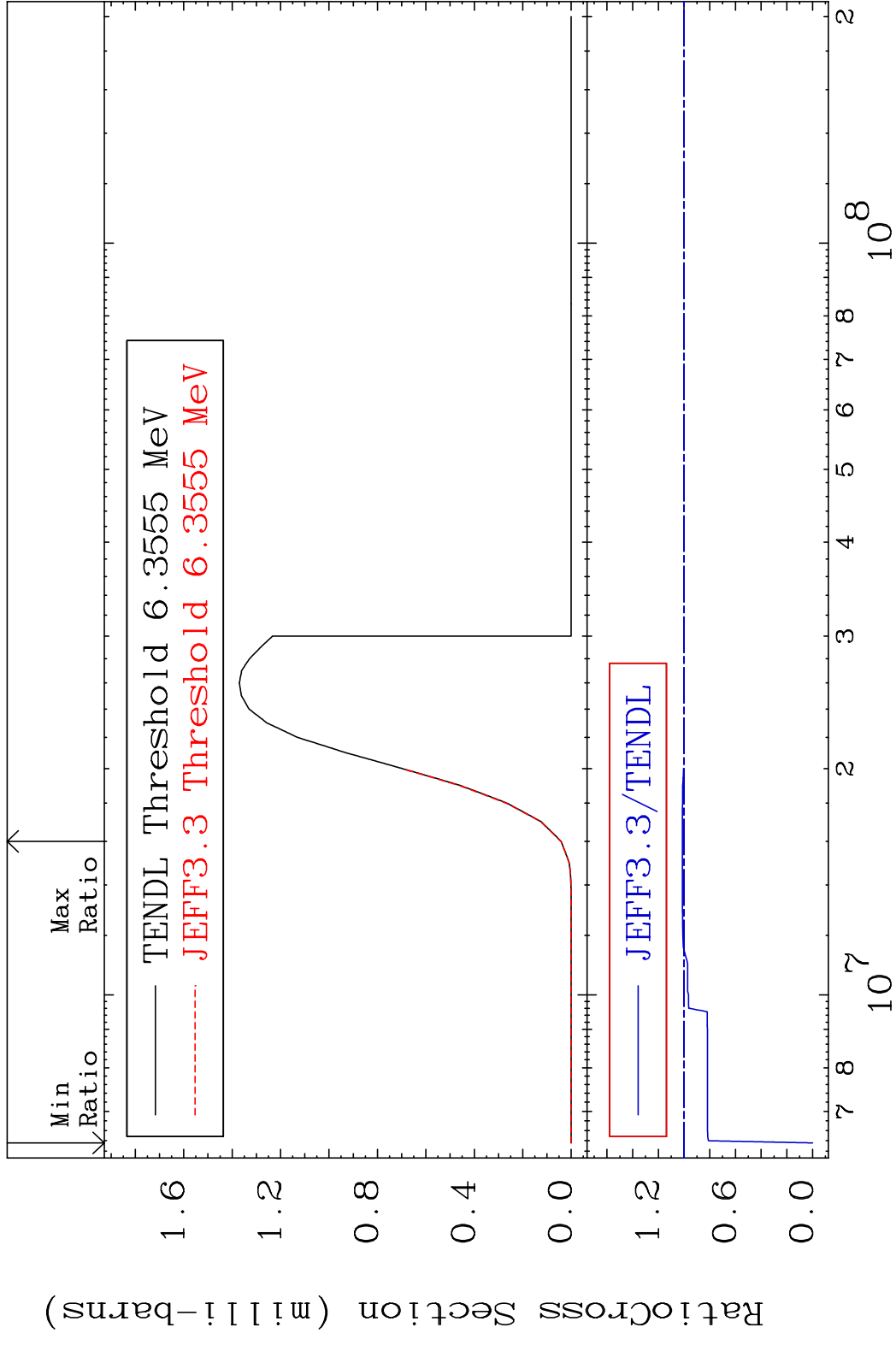












MAT 7243

(n, t): 71-Lu-178m3

72-Hf-180

Radionuclide Production Cross Section Ratio

