

Program Complot  
(Version 2021-1)

by

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U.S.A.

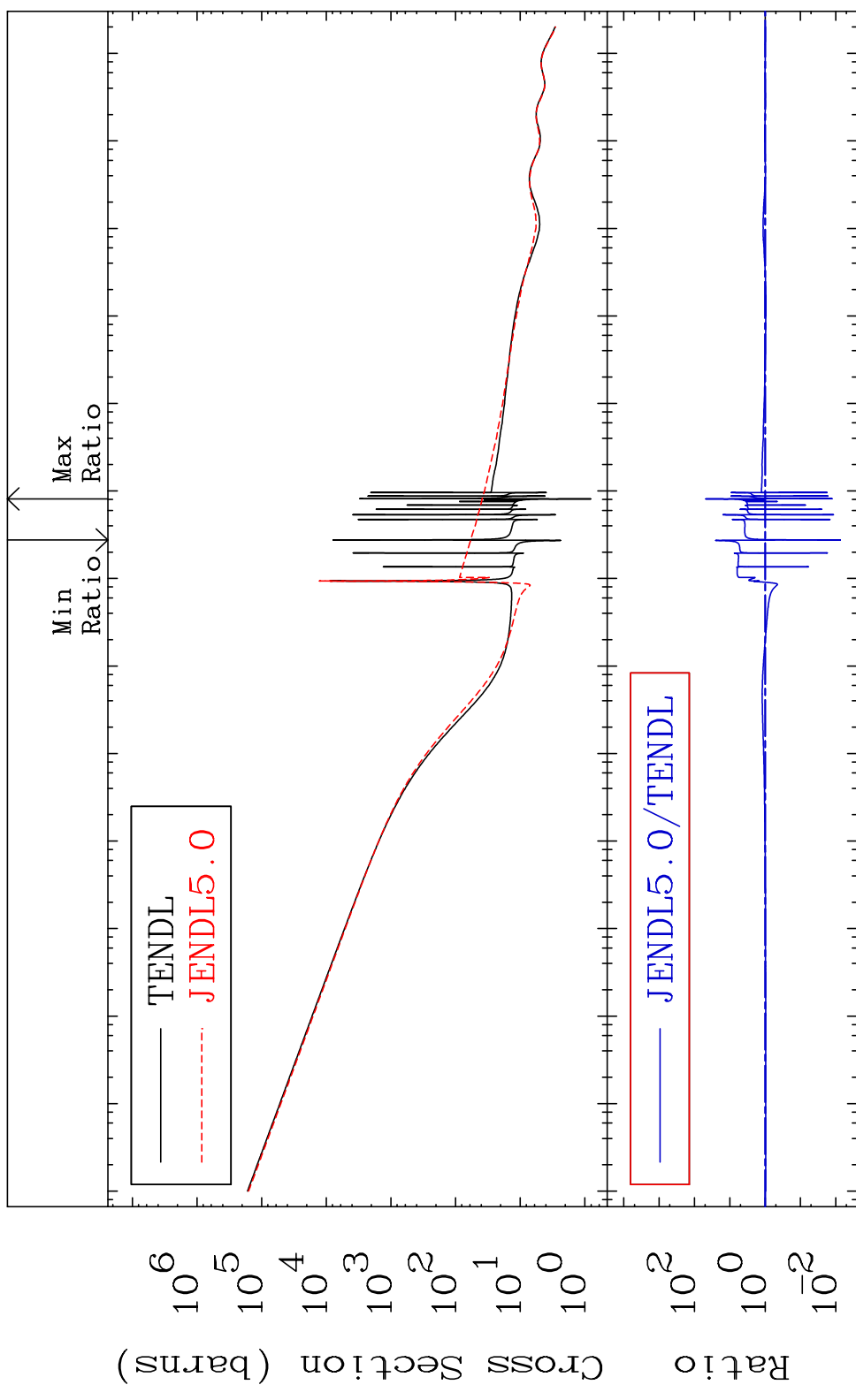
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8025

Total Cross Section -99.26 To 4694. %  
80-Hg-196



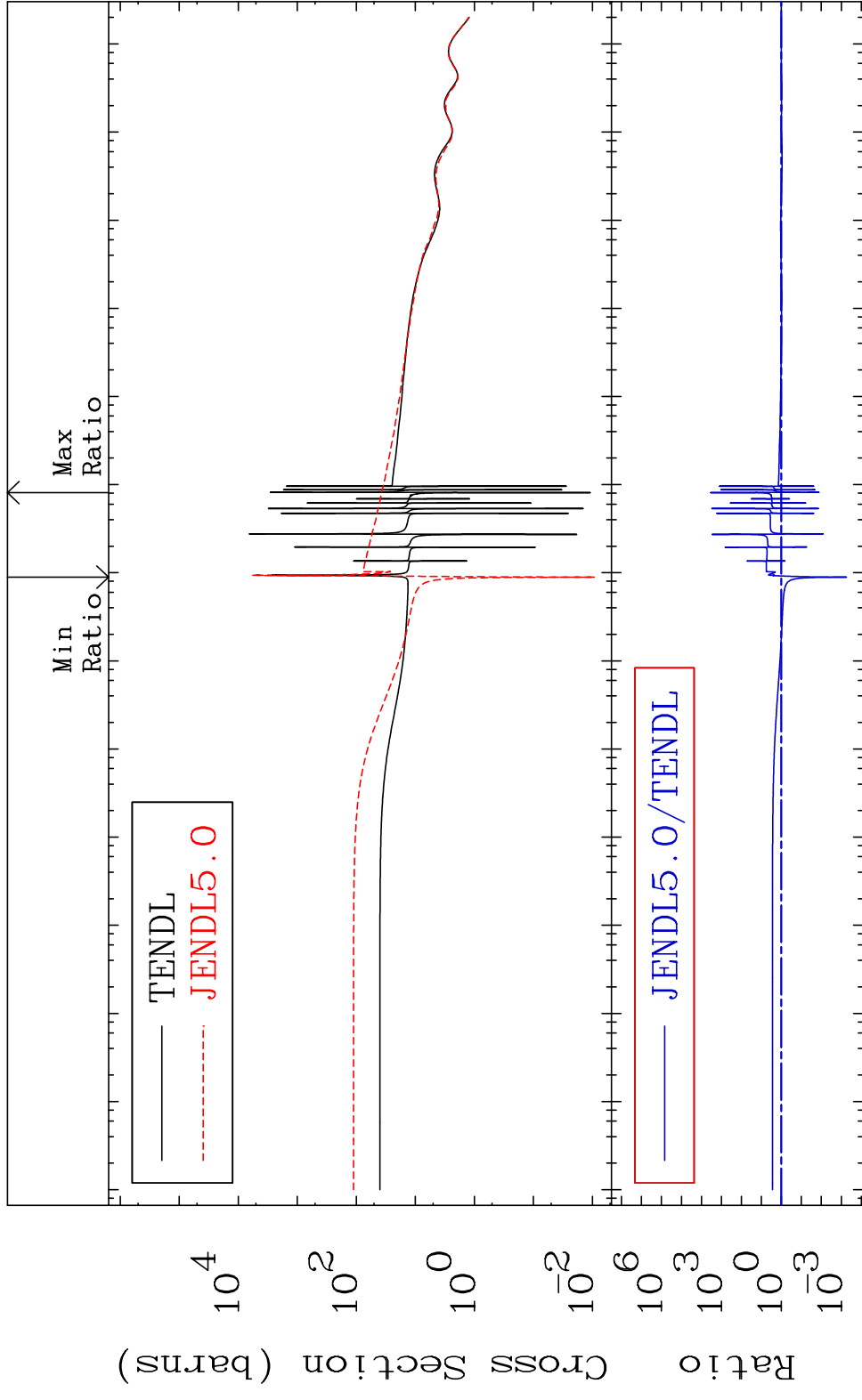
1 Incident Energy (eV) 80-Hg-196

MAT 8025

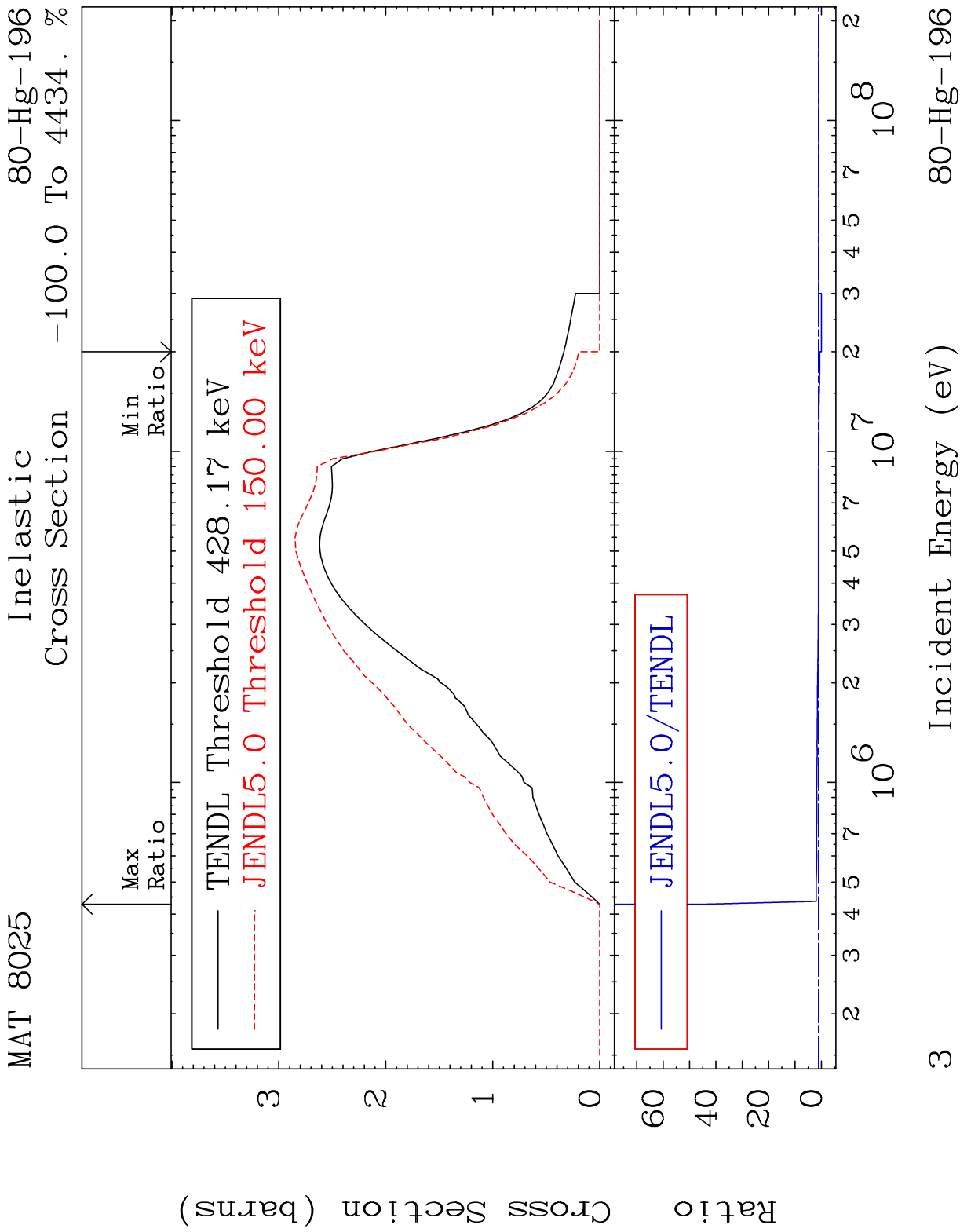
Elastic

80-Hg-196

Cross Section -99.94 To 9999. %



Incident Energy (eV) 80-Hg-196

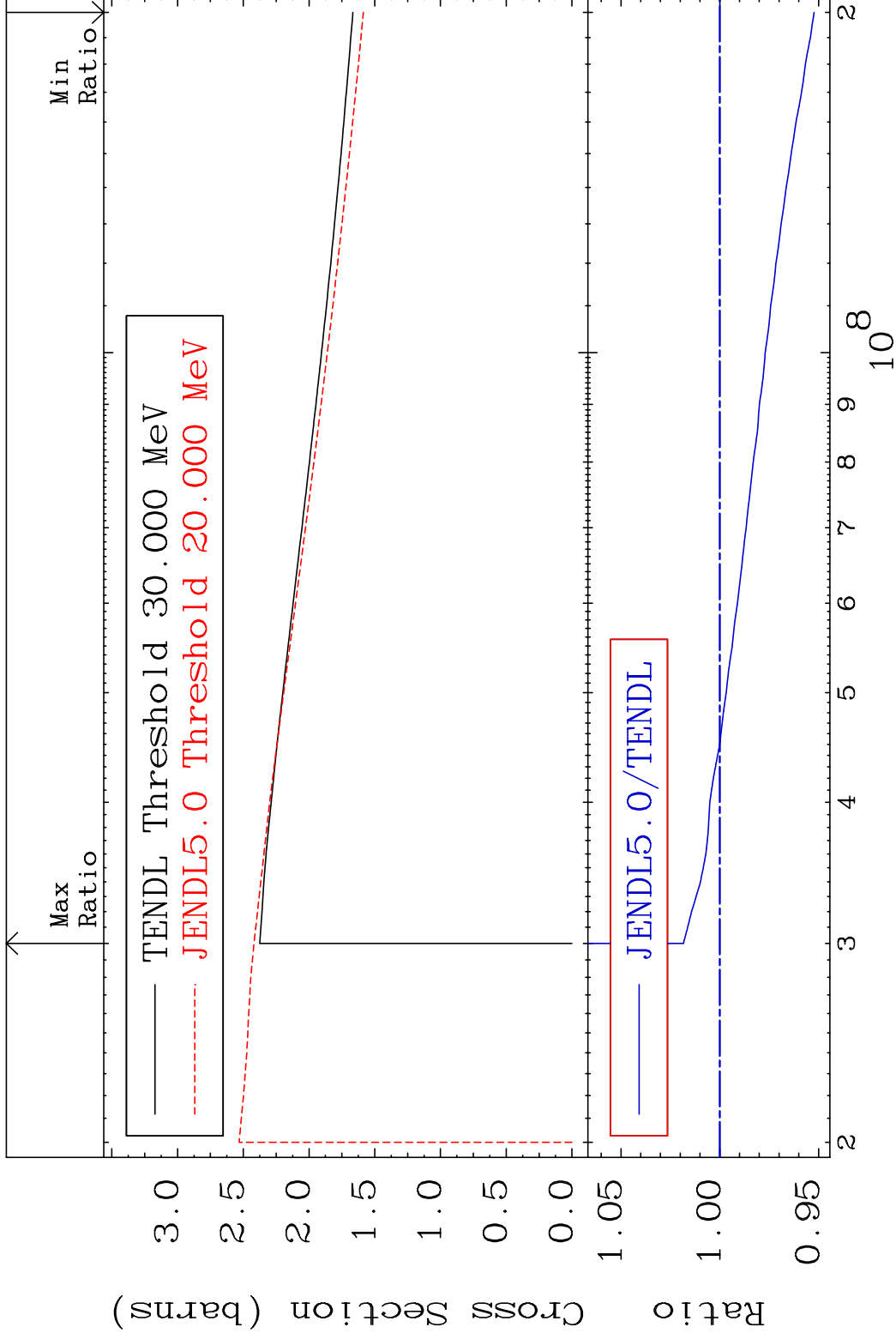


MAT 8025

(n, remainder)

80-Hg-196

Cross Section -4.771 To 1.838 %

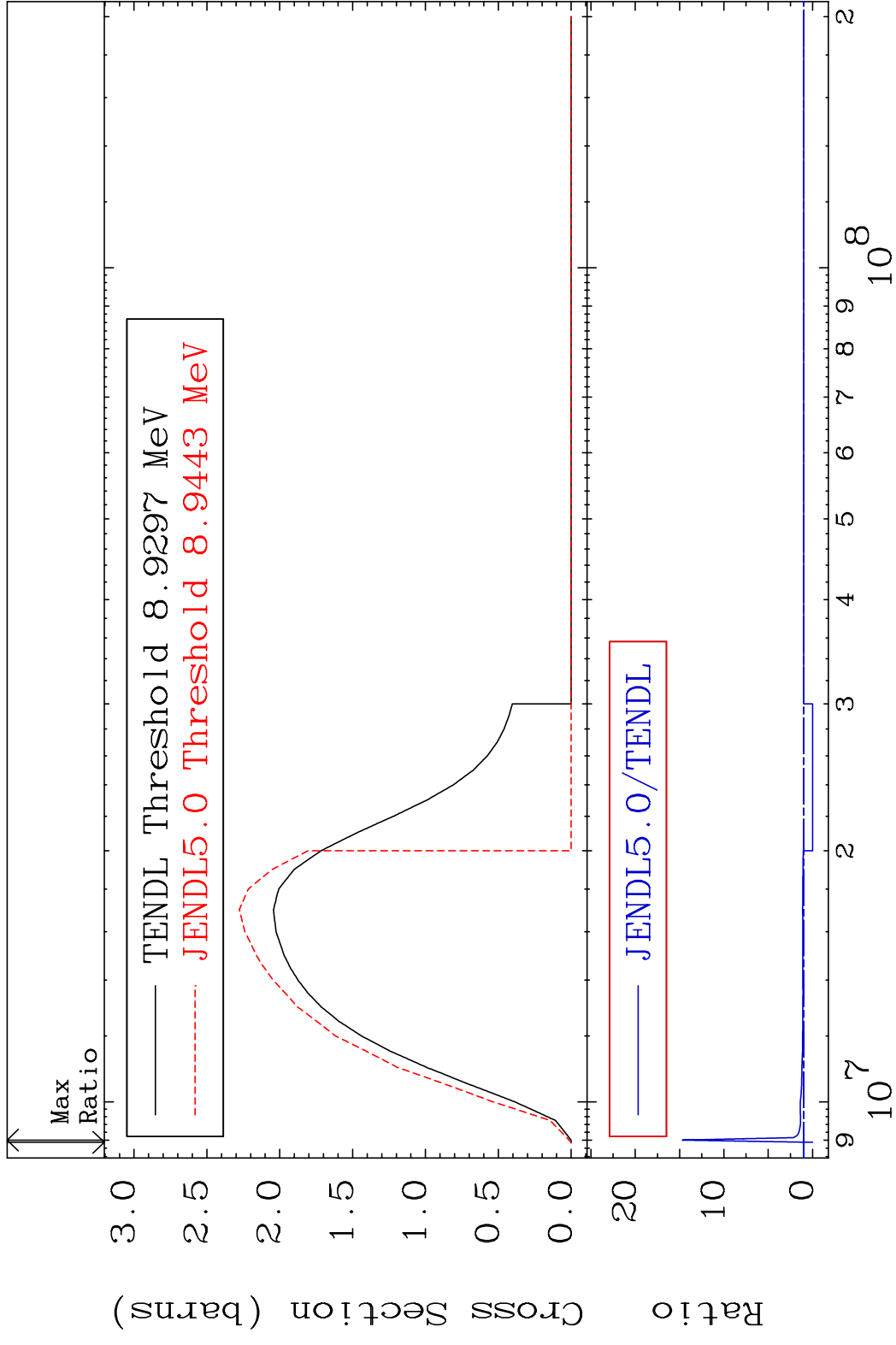


4

Incident Energy (eV)

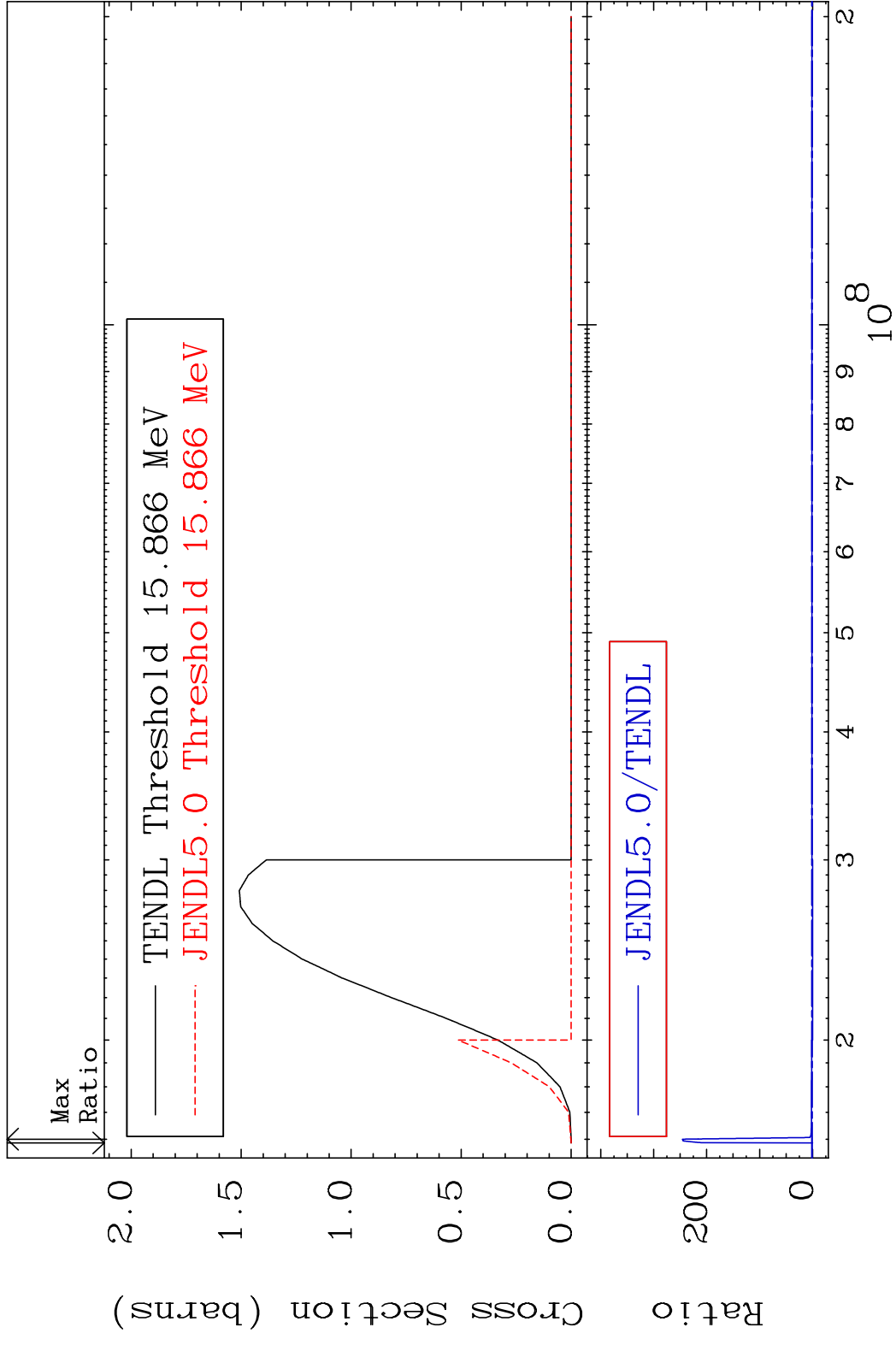
80-Hg-196

MAT 8025 (n,2n) 80-Hg-196  
 Cross Section -100.0 To 1369. %



5 Incident Energy (eV) 80-Hg-196

MAT 8025 (n,3n) 80-Hg-196  
 Cross Section -100.0 To 9999. %

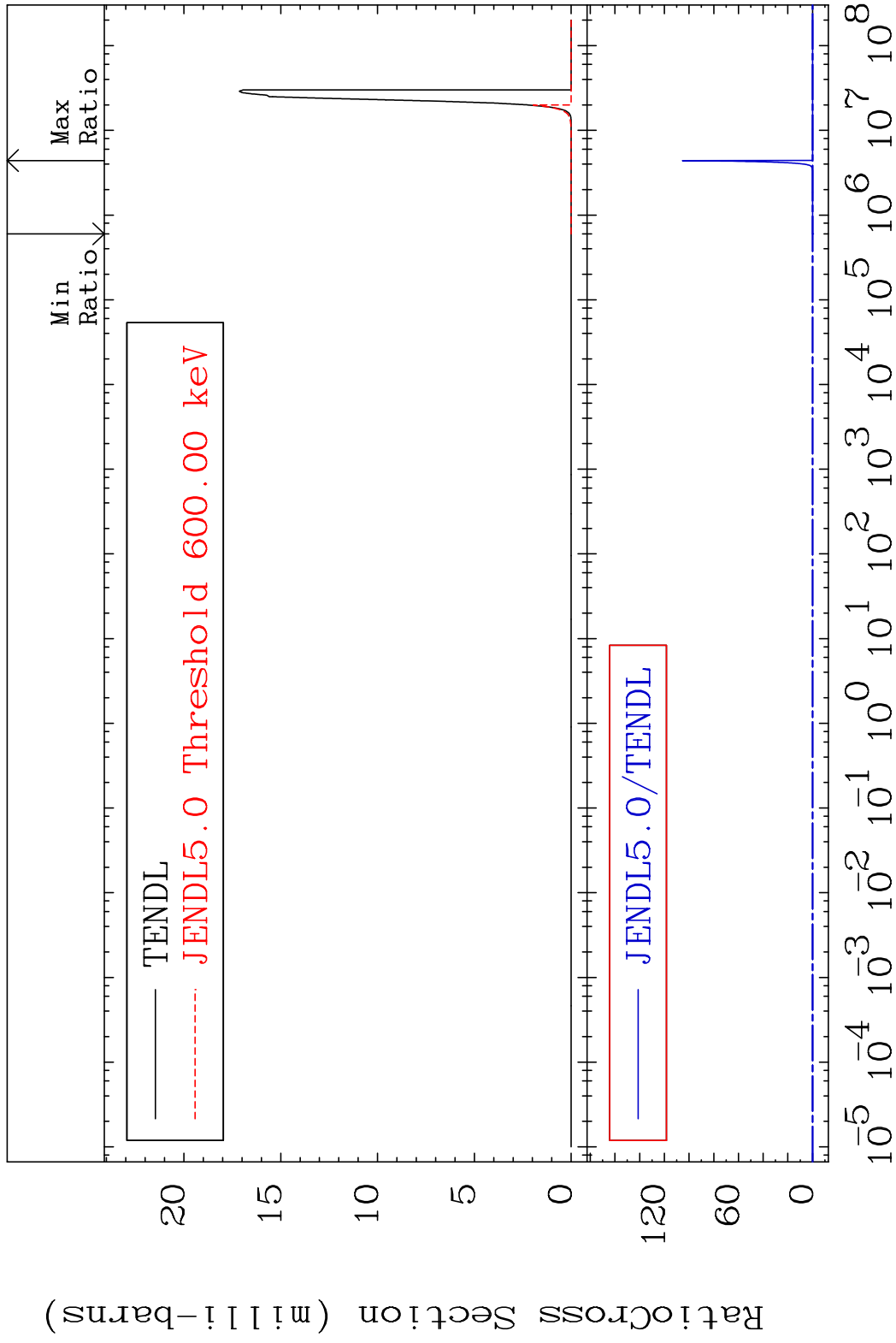


MAT 8025

(n, n')  $\alpha$

80-Hg-196

Cross Section -100.0 To 9999. %



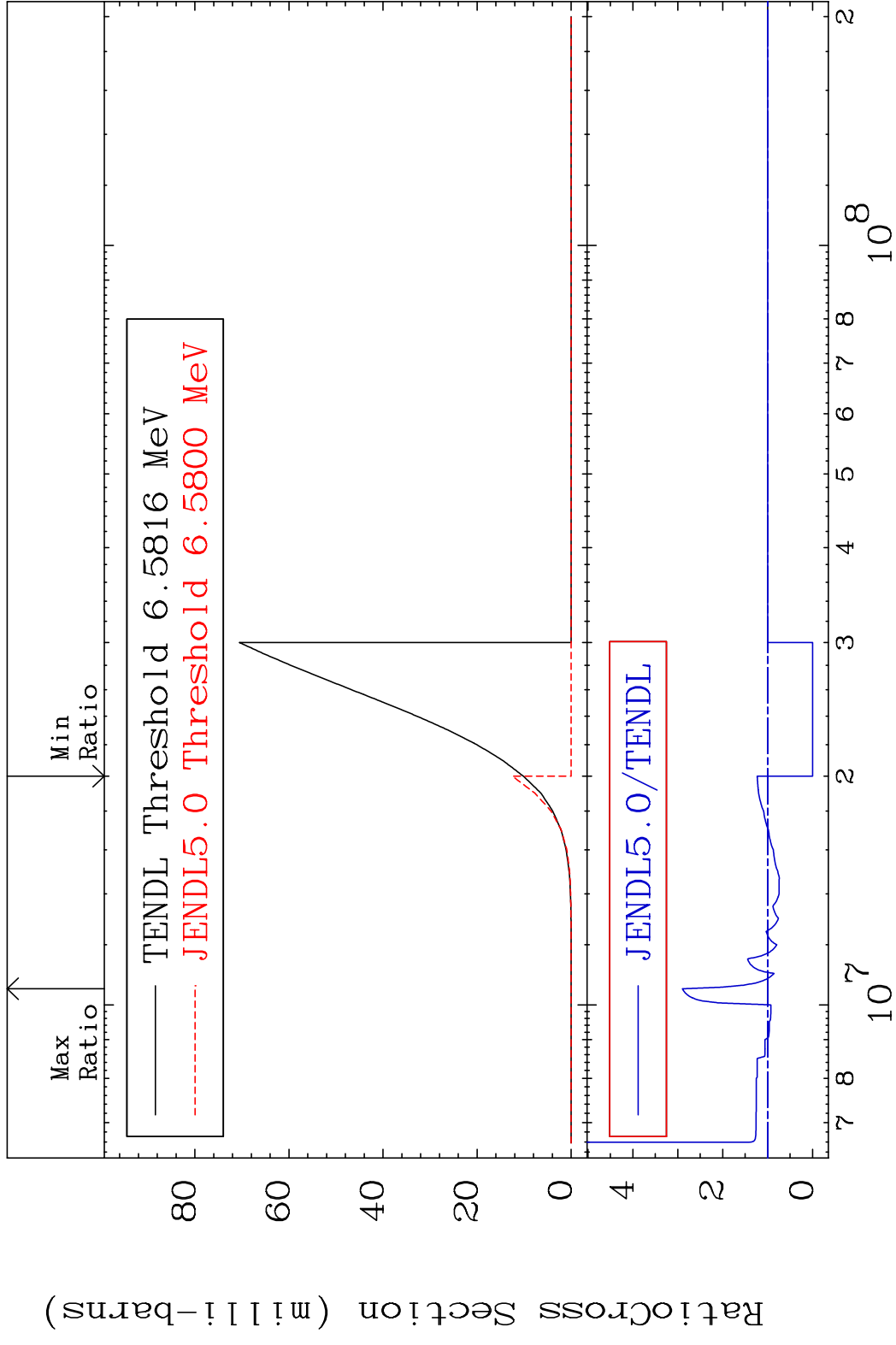
7

Incident Energy (eV)

80-Hg-196



MAT 8025 (n, n') p 80-Hg-196  
 Cross Section -100.0 To 189.9 %



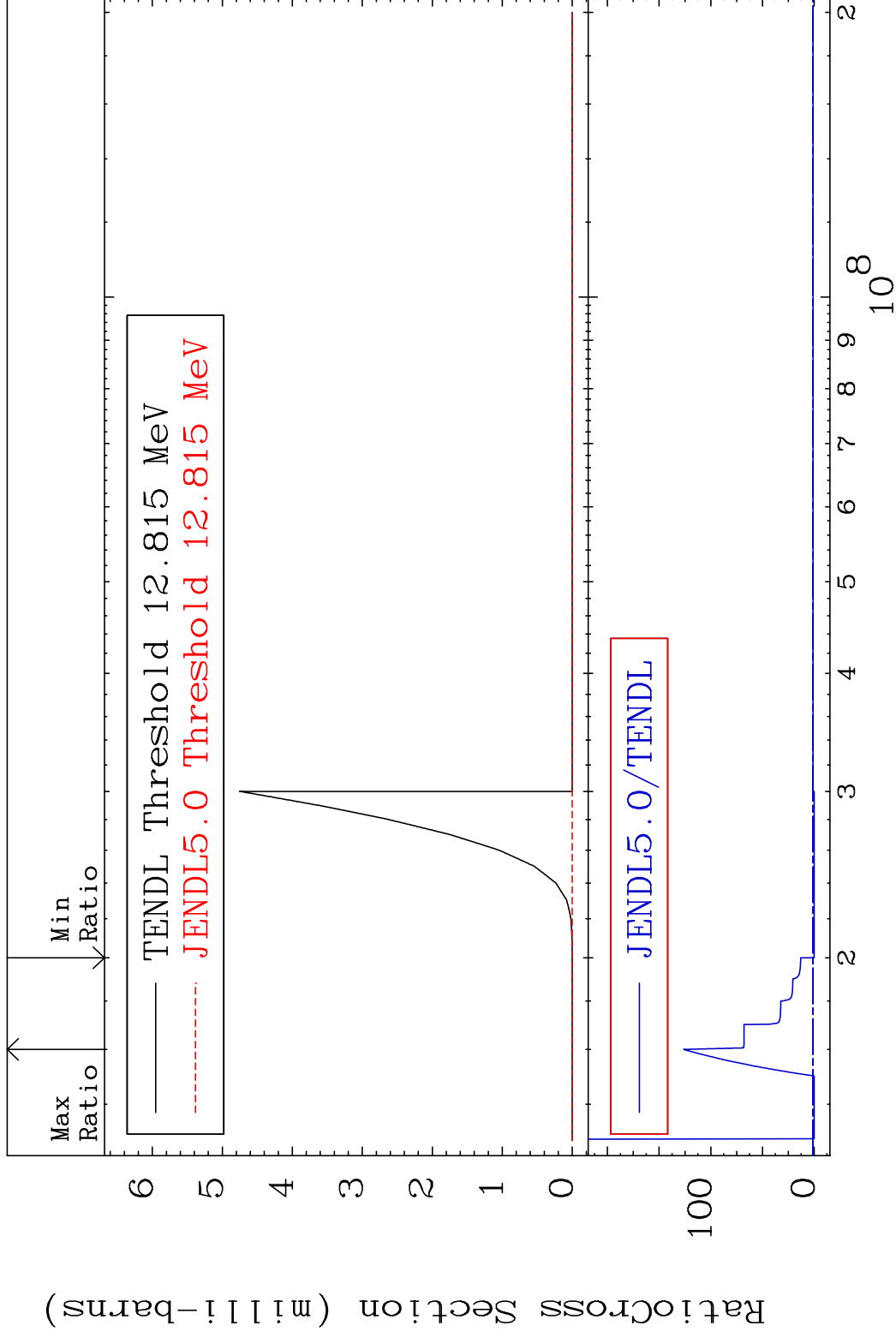
8 8 Incident Energy (eV) 80-Hg-196

MAT 8025

(n, n') d

80-Hg-196

Cross Section -100.0 To 9999. %

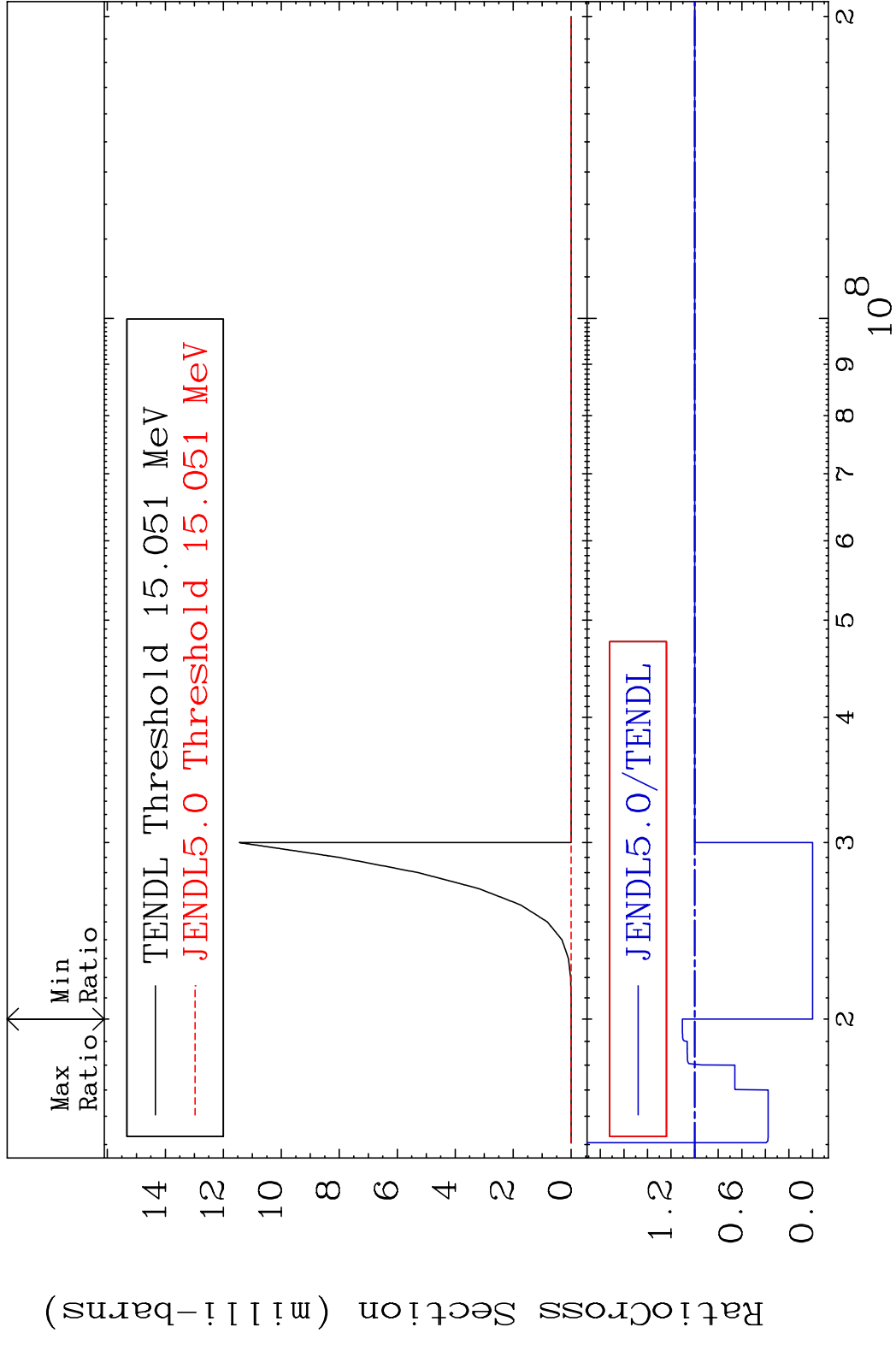


9

Incident Energy (eV)

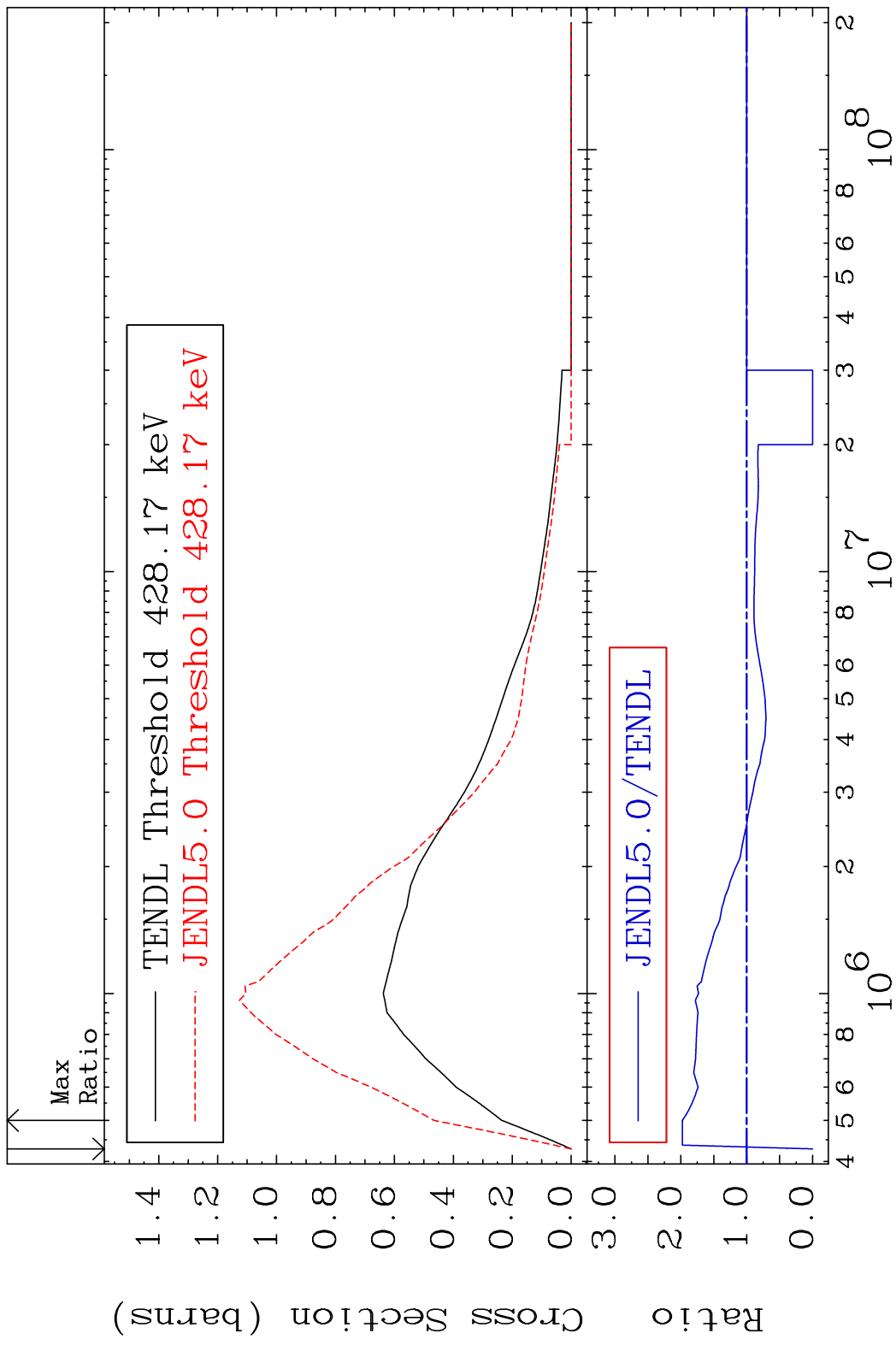
80-Hg-196

MAT 8025 (n,2n) p 80-Hg-196  
 Cross Section -100.0 To 10.45 %

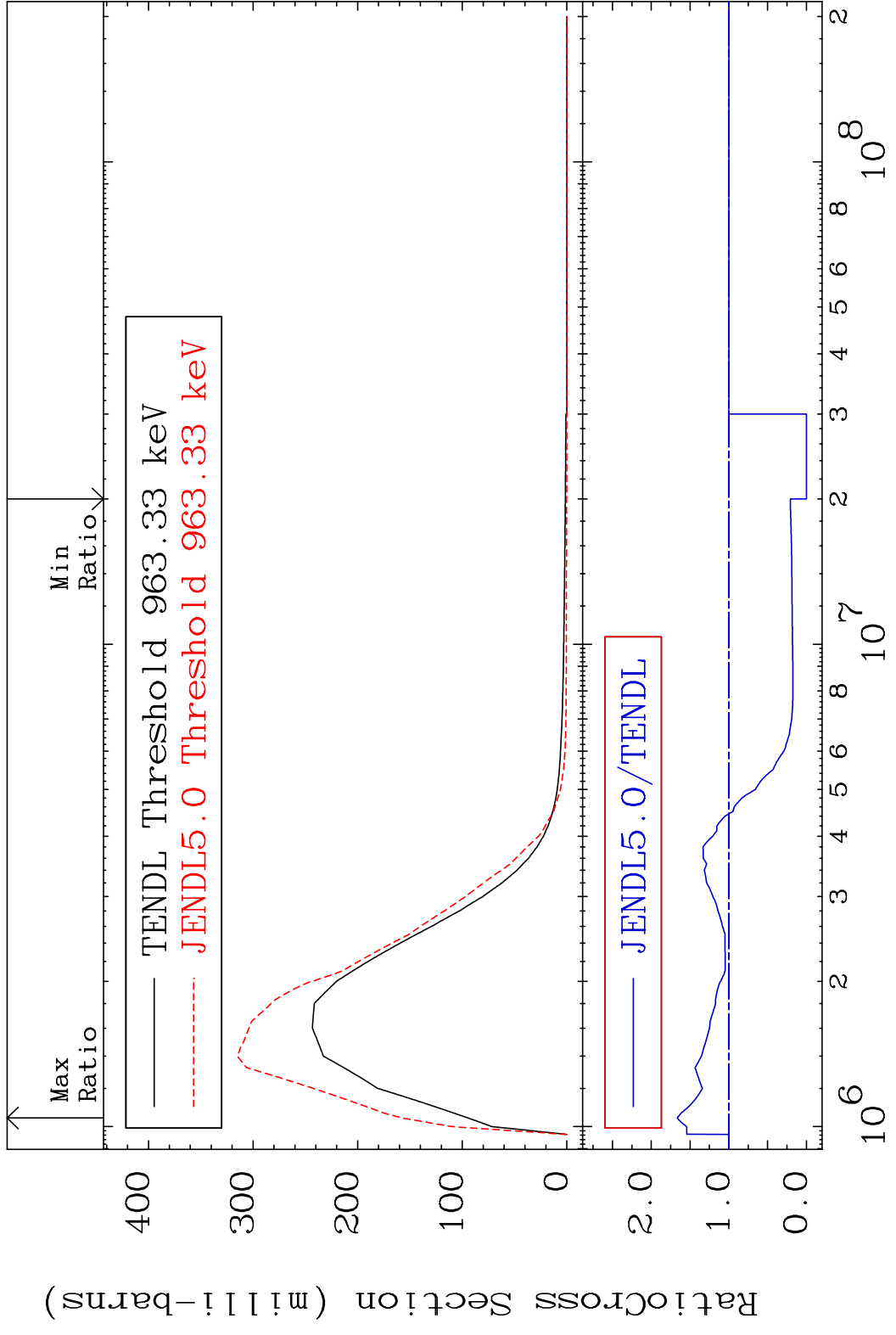


10 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 51 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 97.68 %

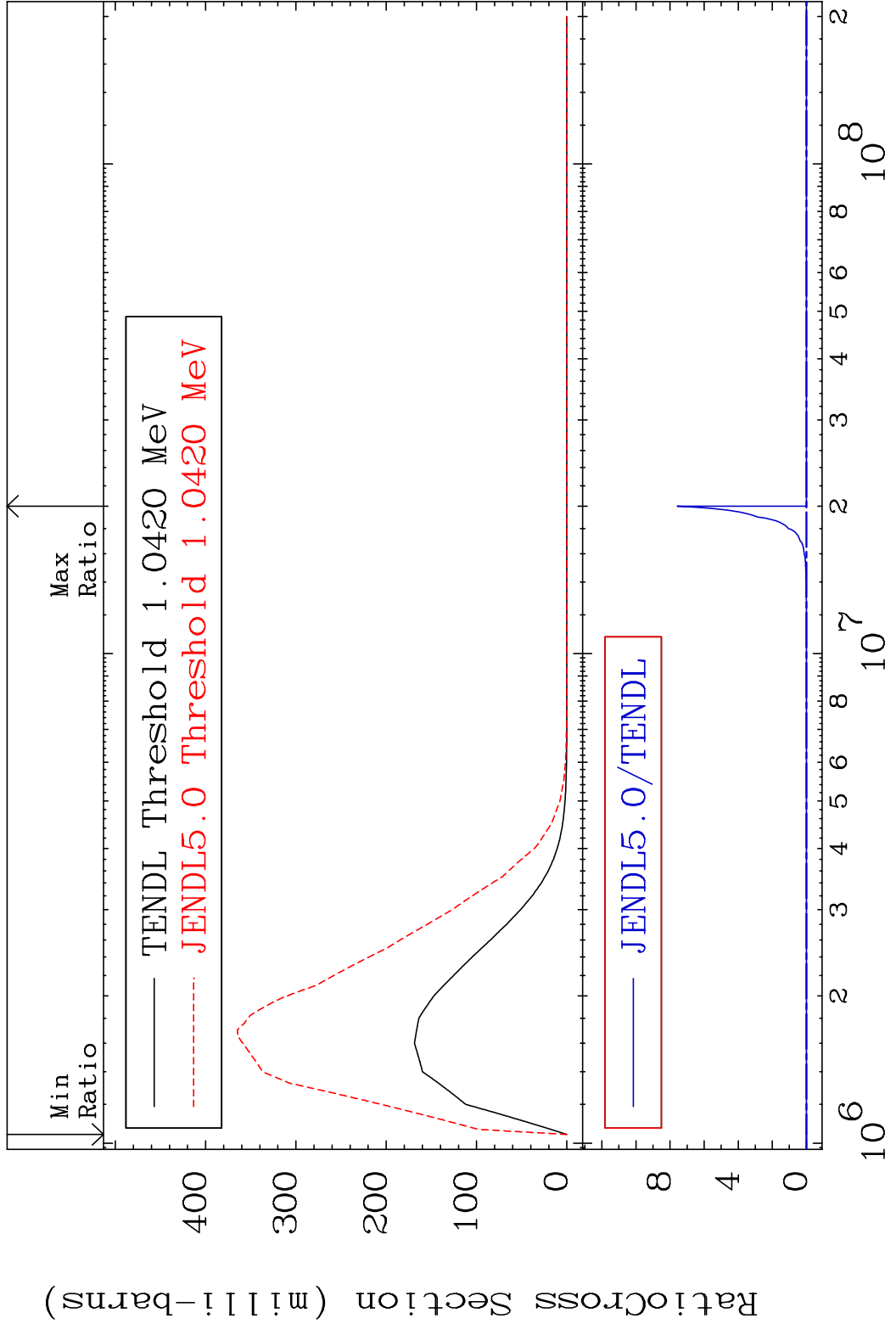


MAT 8025 MT= 52 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 66.62 %



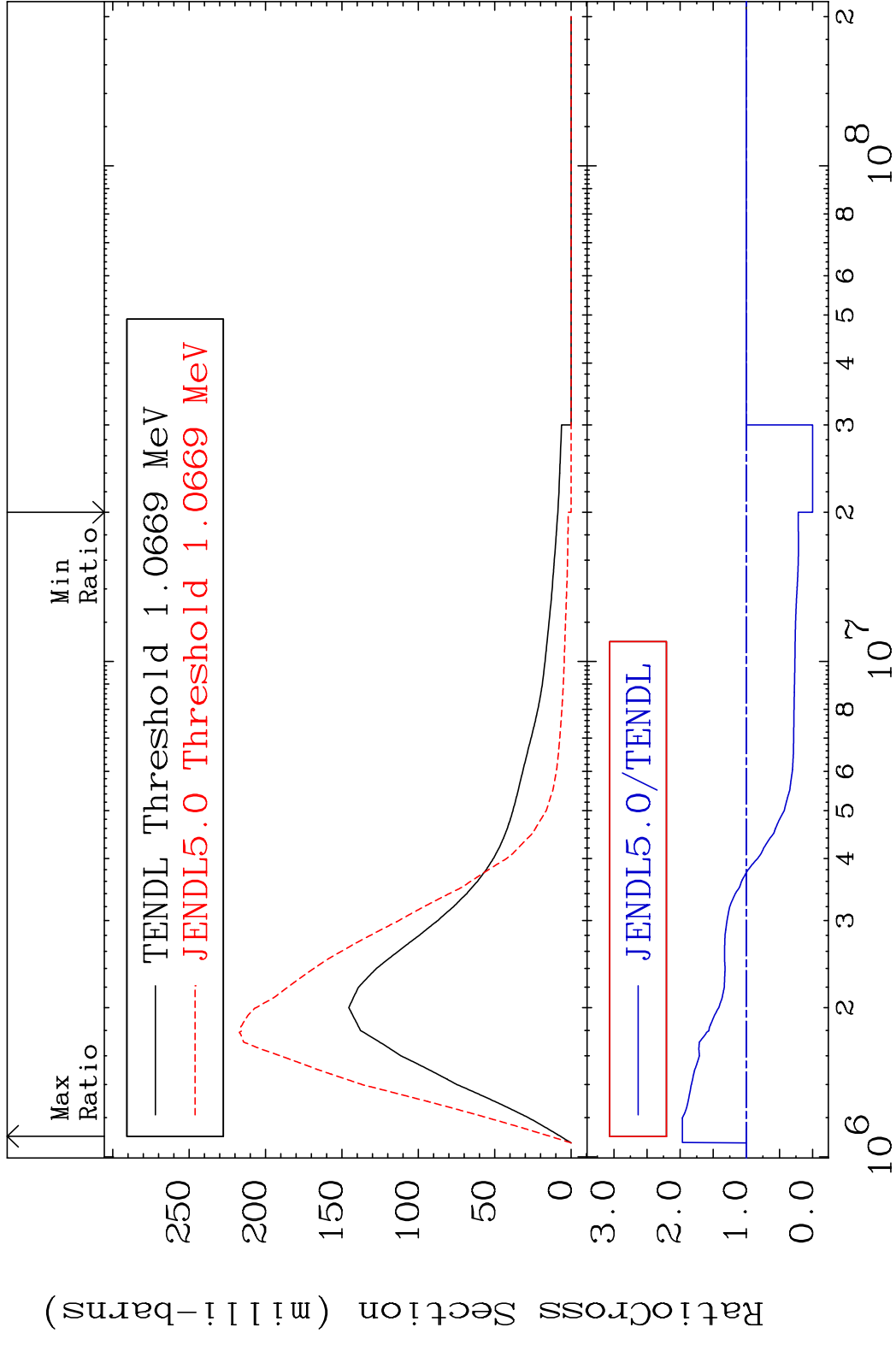
12 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 53 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 9999. %



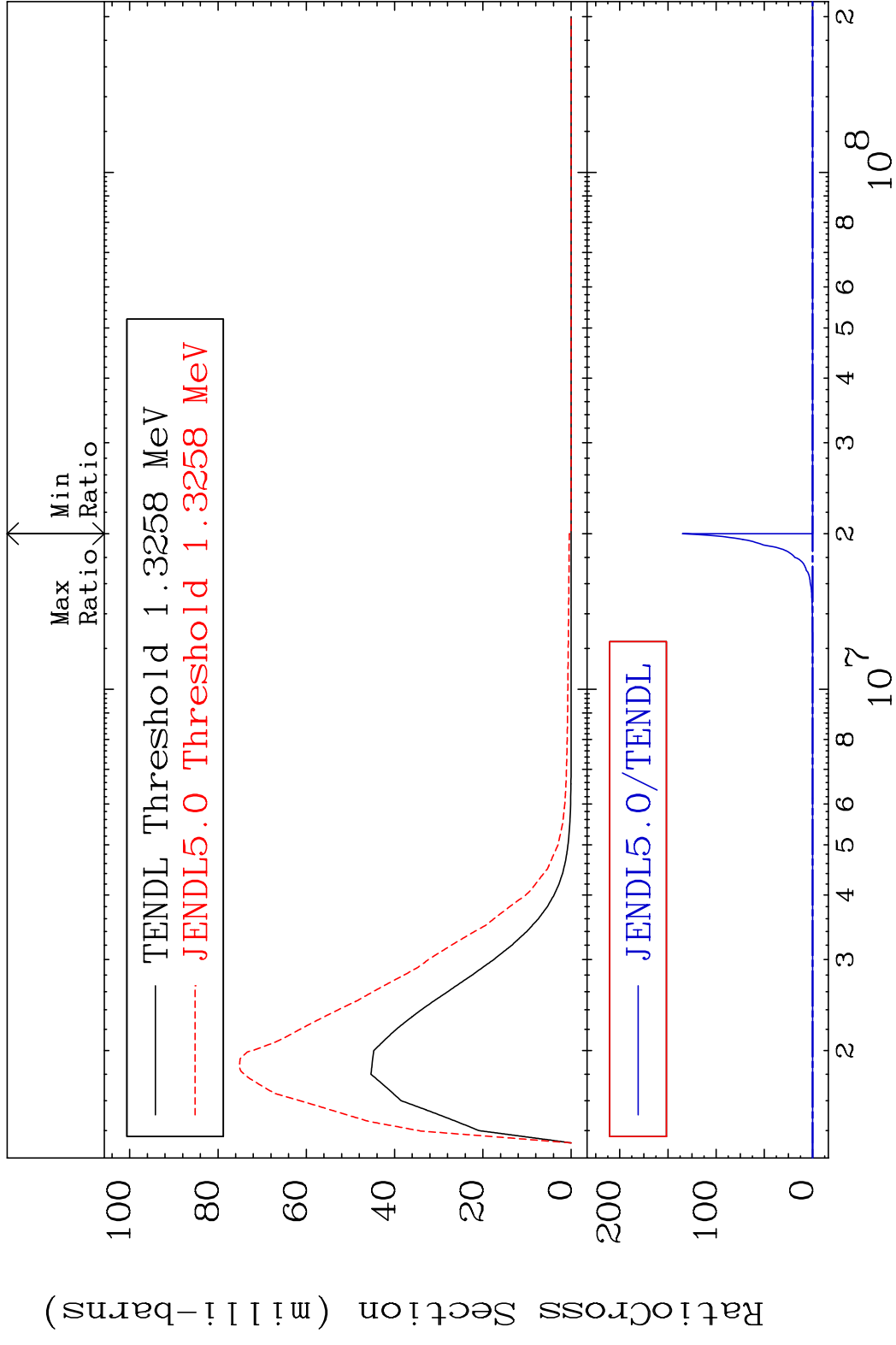
13

MAT 8025 MT= 54 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 96.61 %



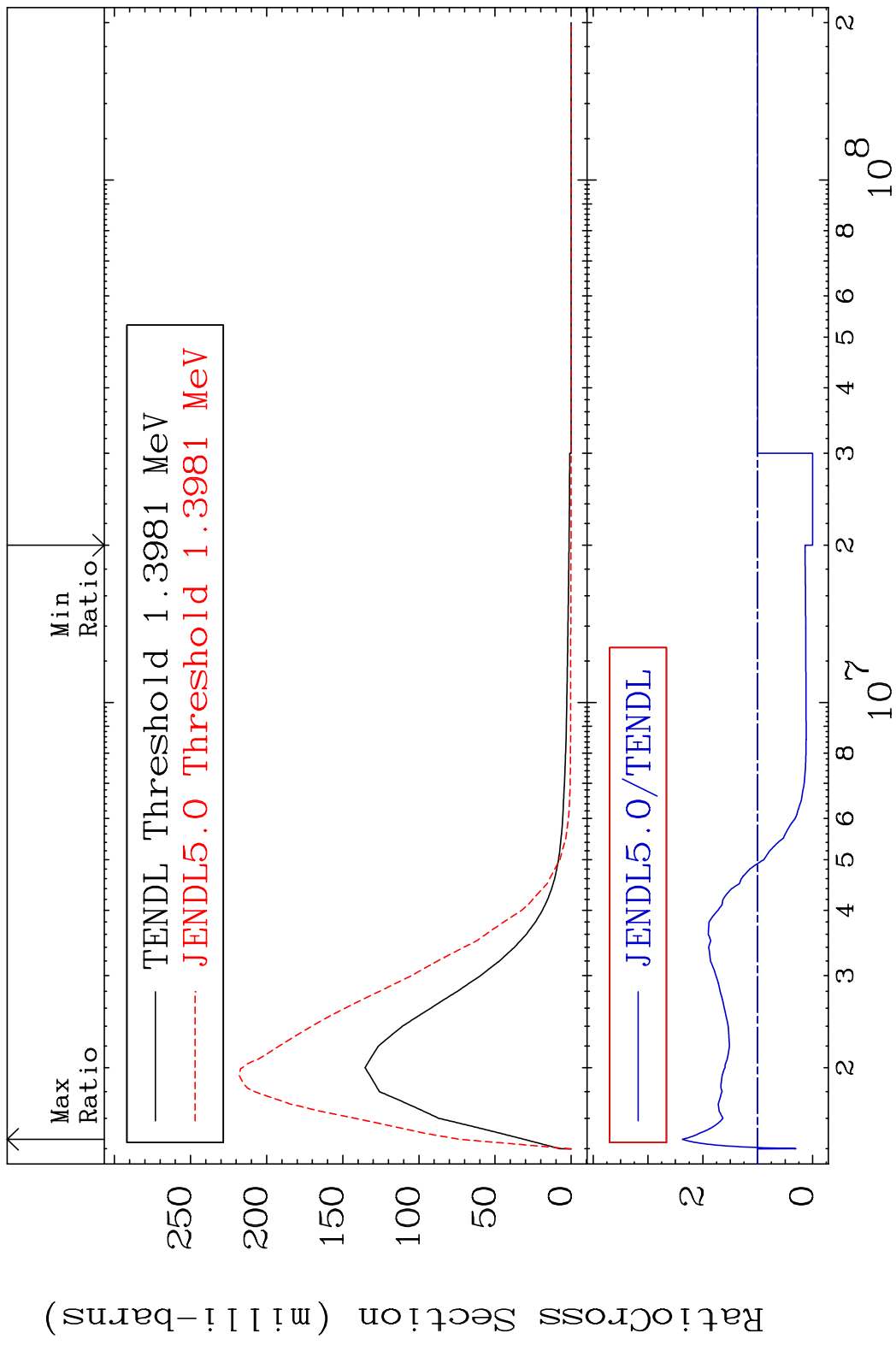
14 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 55 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 9999. %



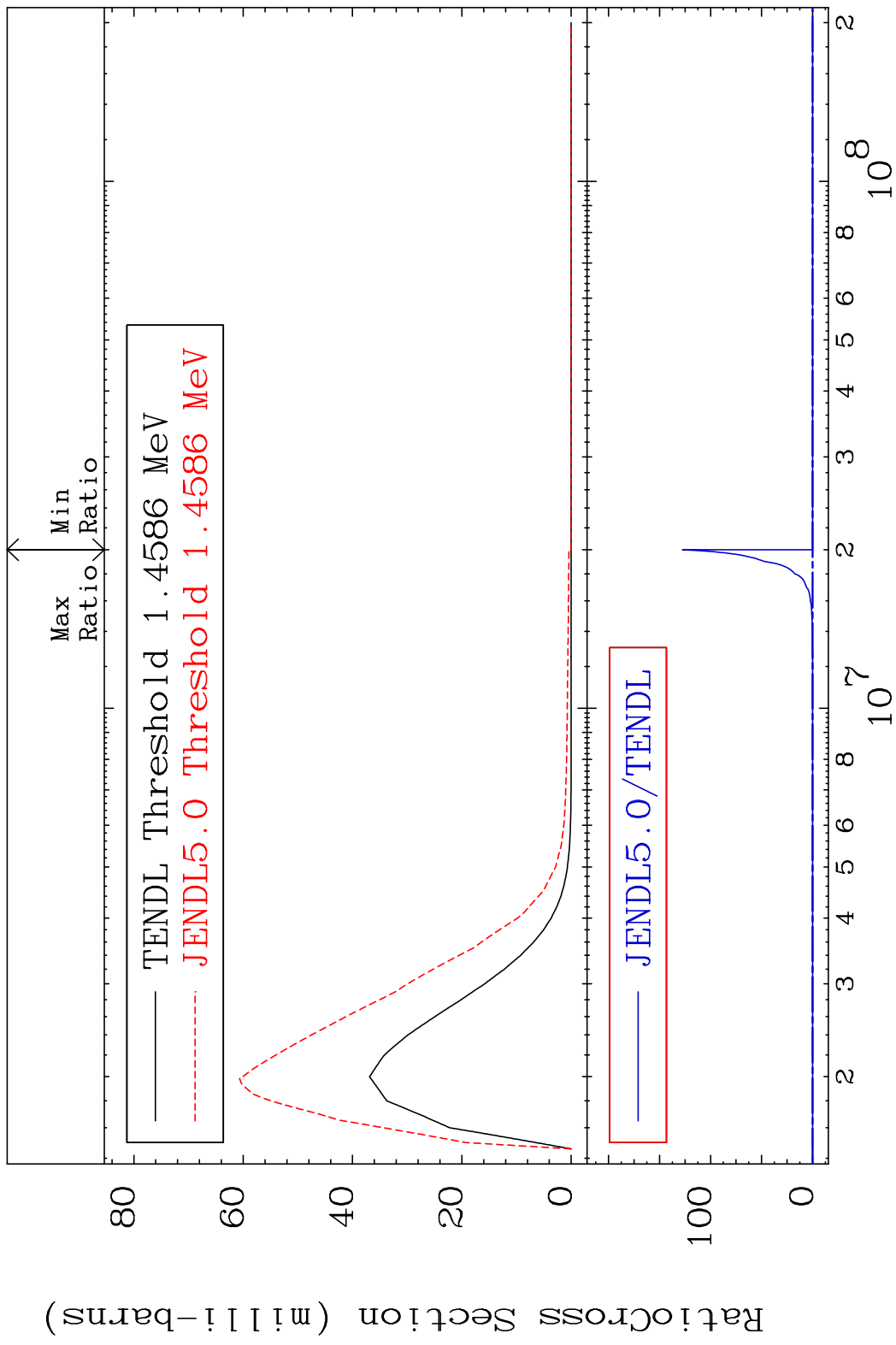


MAT 8025 MT= 56 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 137.4 %

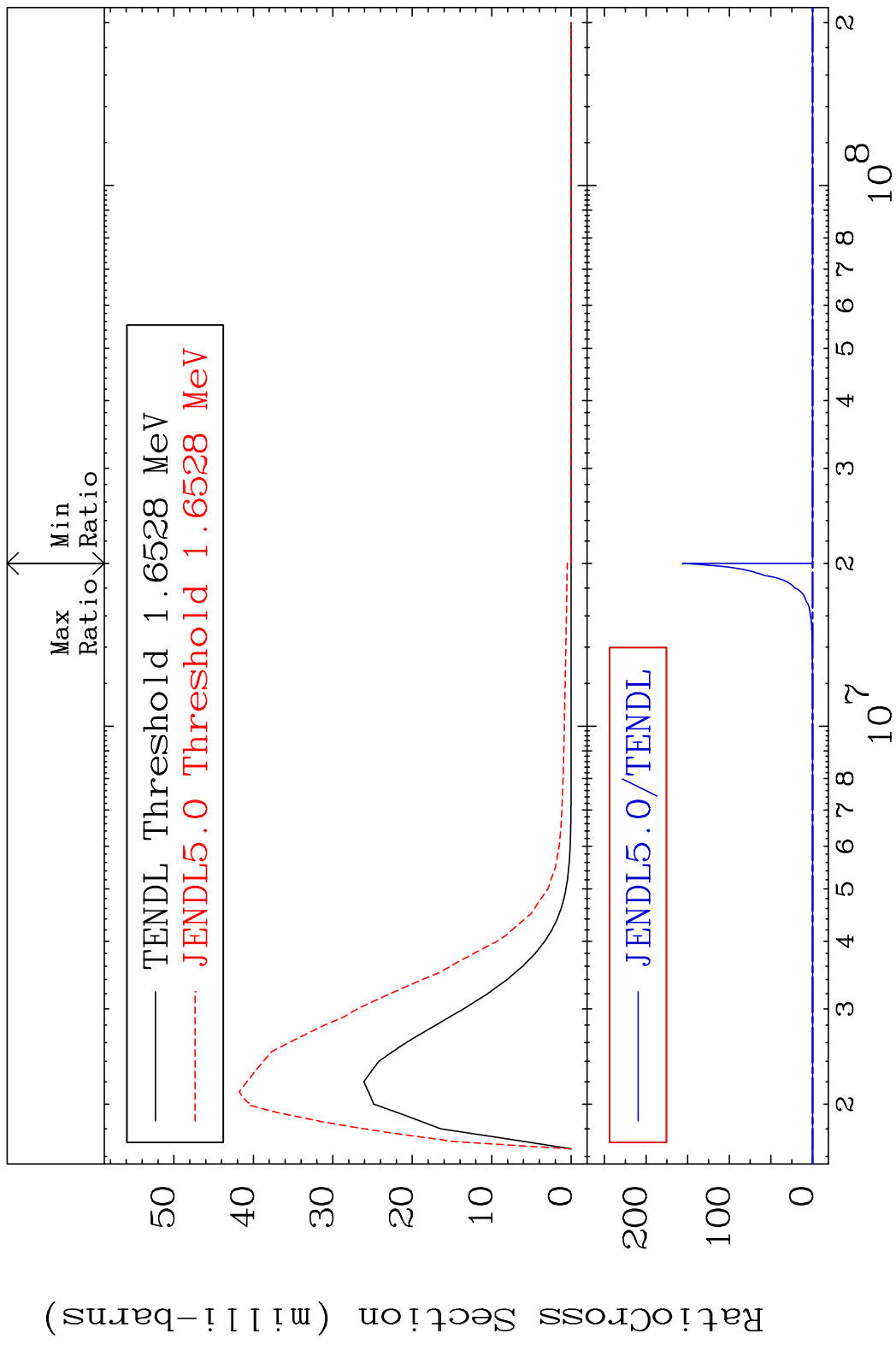


16 80-Hg-196

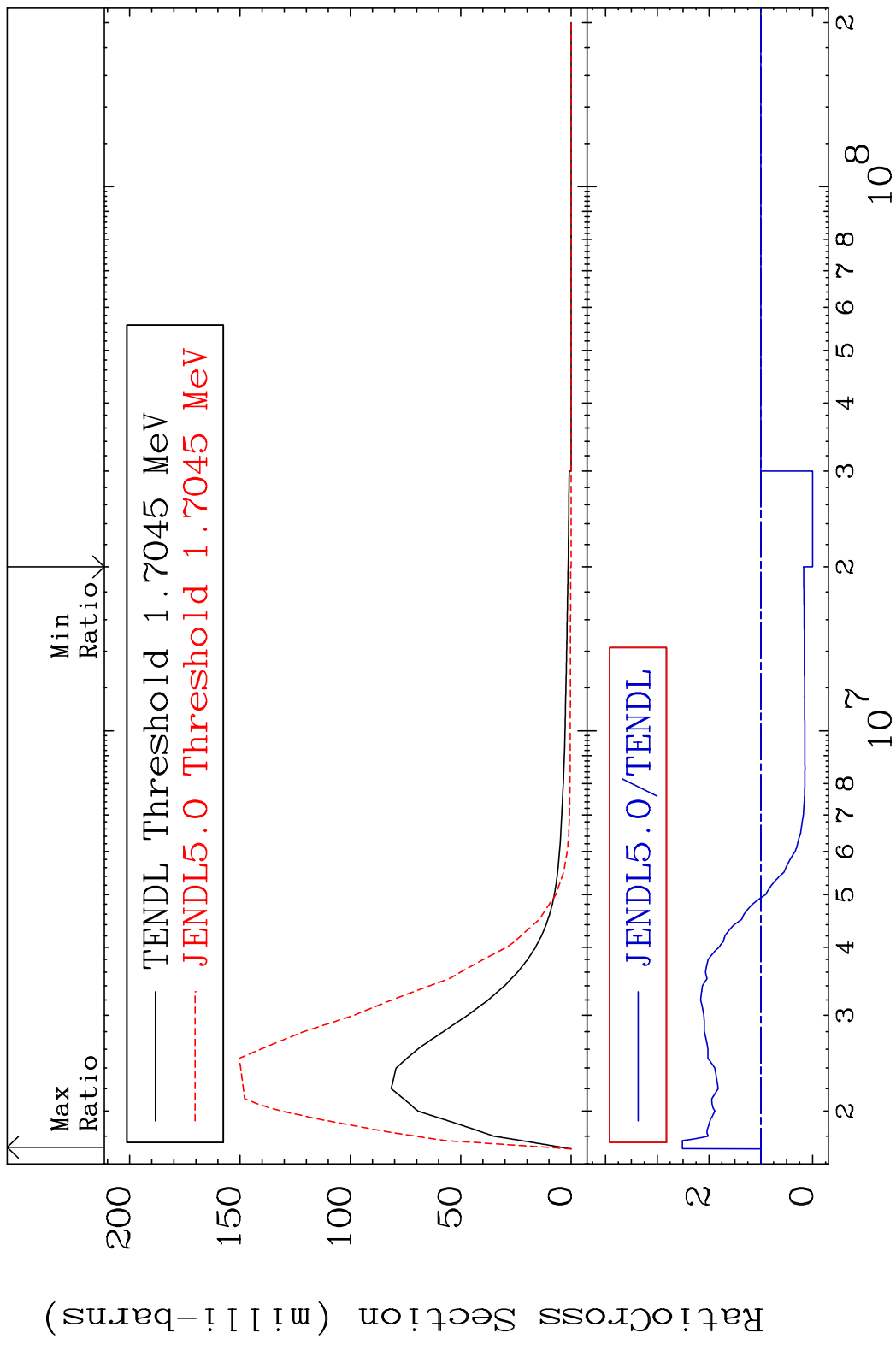
MAT 8025 MT= 57 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 9999. %



MAT 8025 MT= 58 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 9999. %

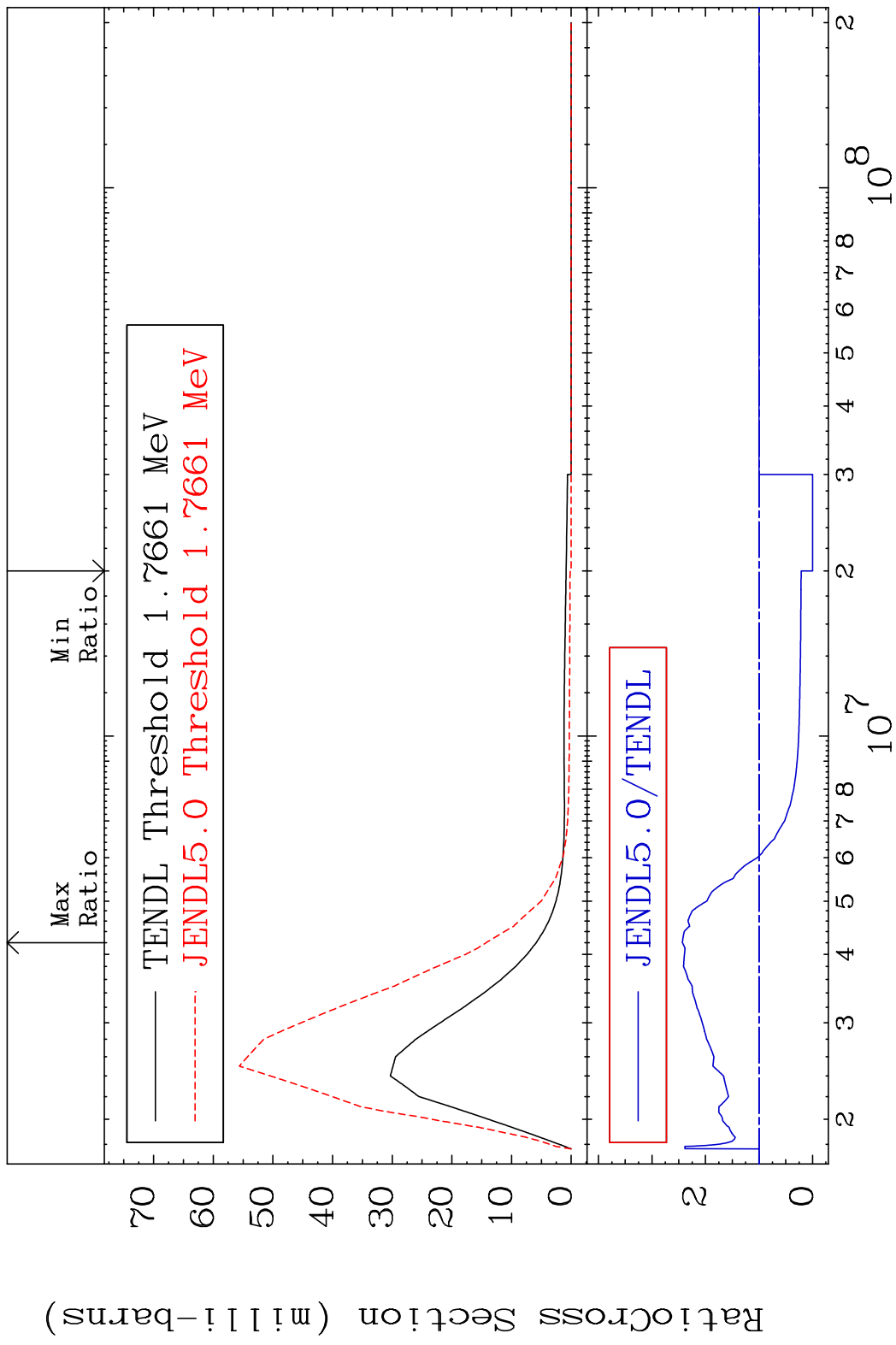


MAT 8025 MT= 59 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 151.4 %



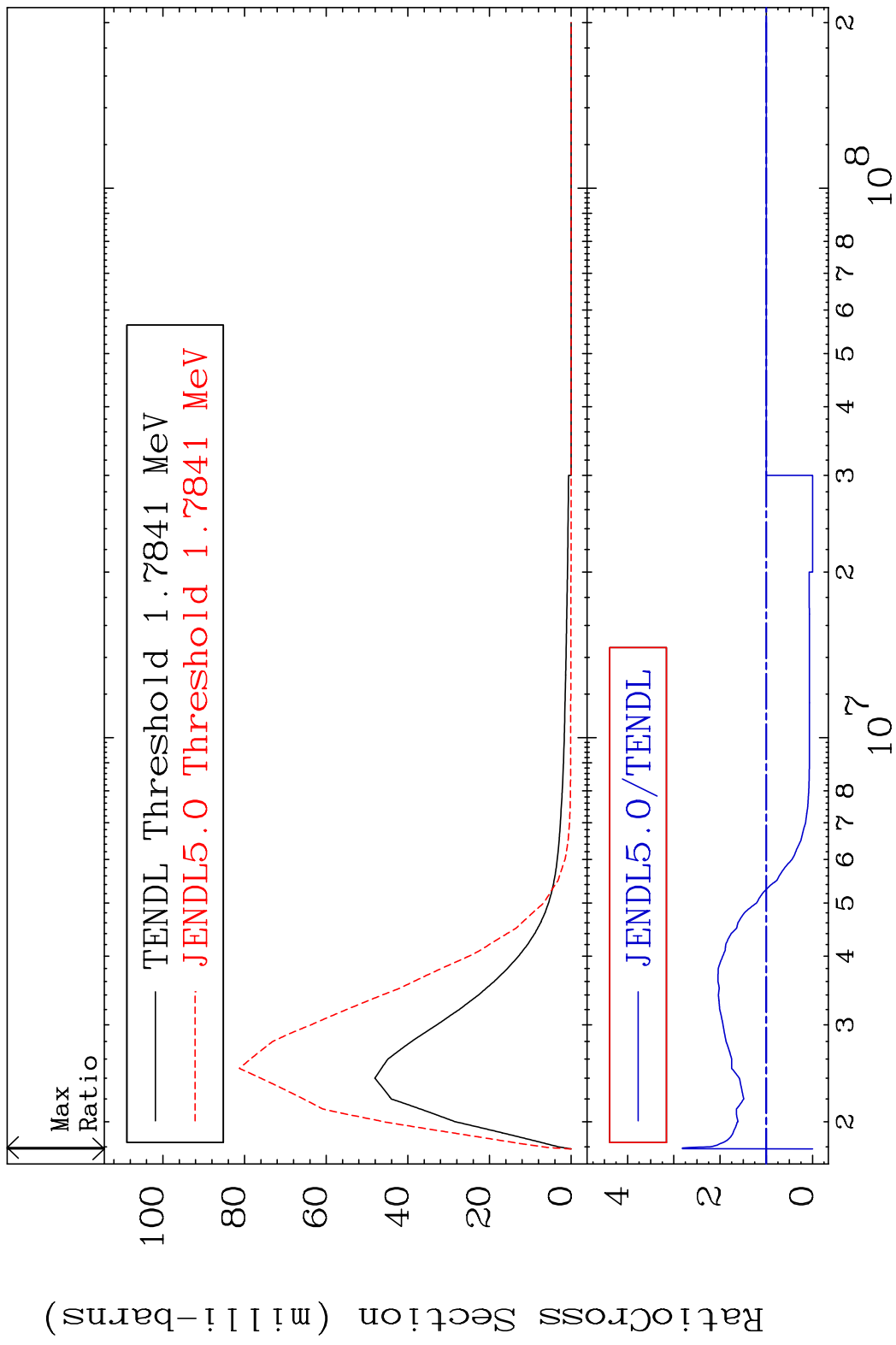
19 80-Hg-196

MAT 8025 MT= 60 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 143.3 %

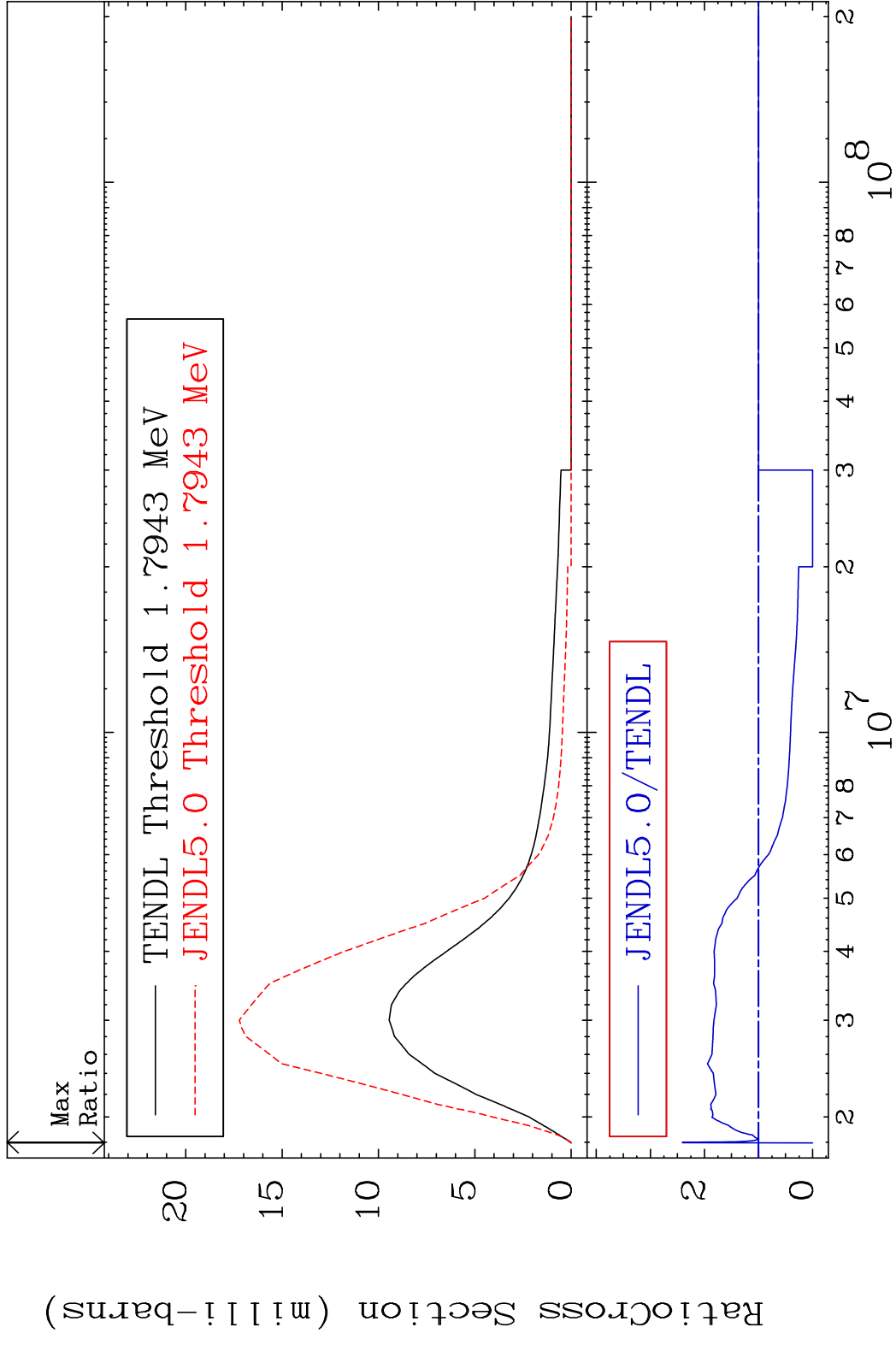


20 Incident Energy (eV) 80-Hg-196

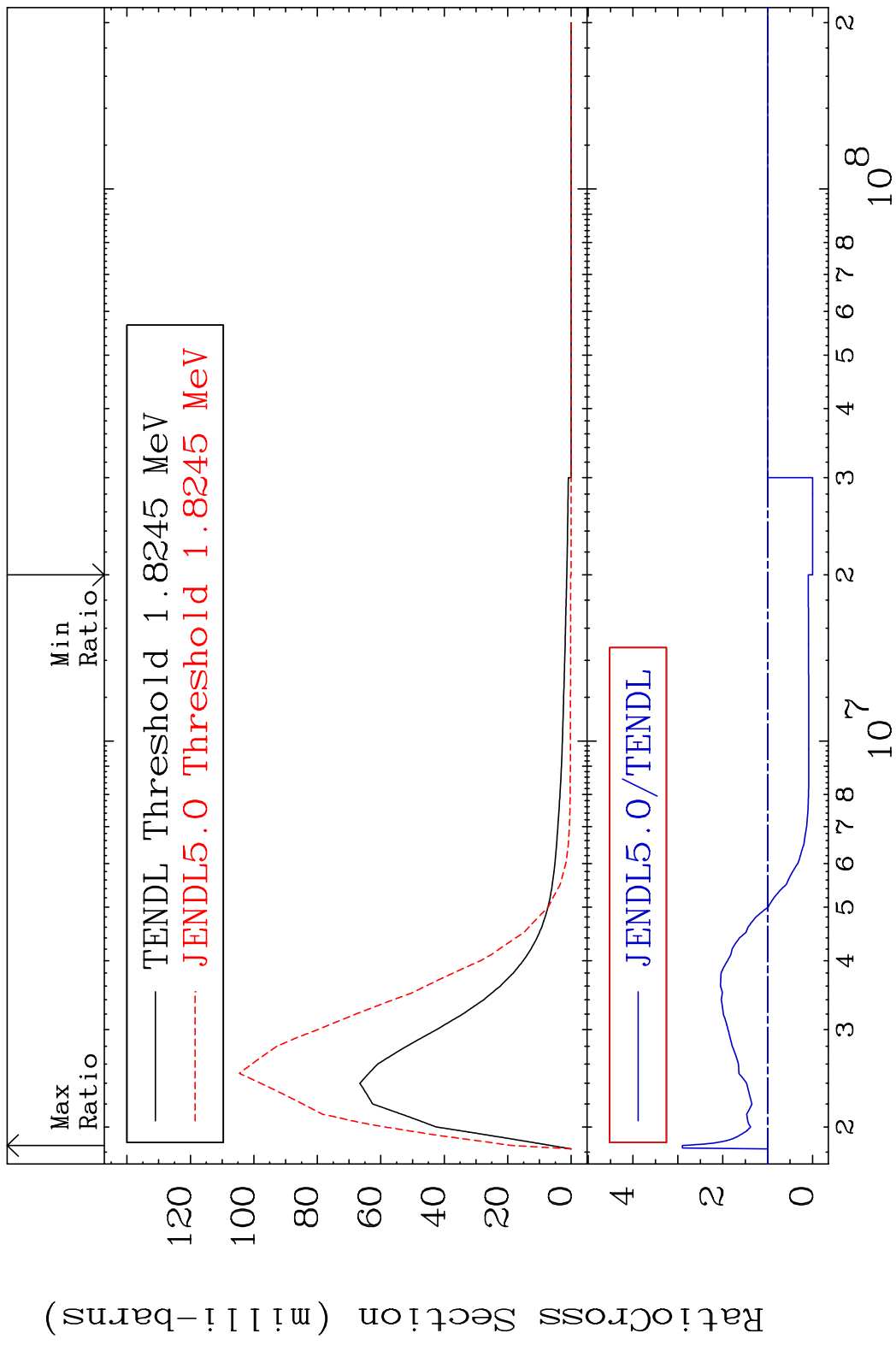
MAT 8025      MT= 61 (n, n') Level      80-Hg-196  
 Cross Section    -100.0 To 181.6 %



MAT 8025 MT= 62 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 140.8 %

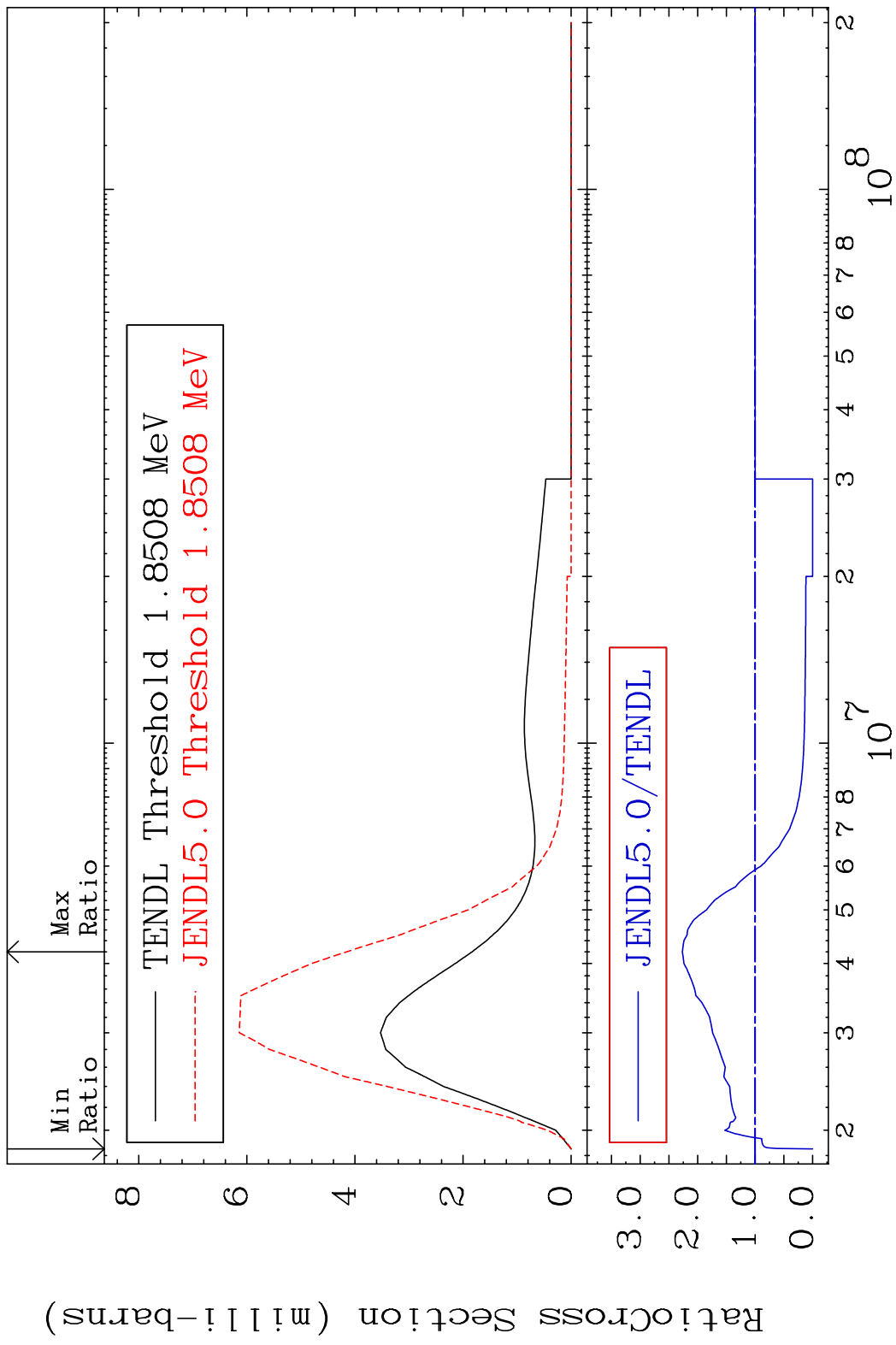


MAT 8025 MT= 63 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 190.1 %

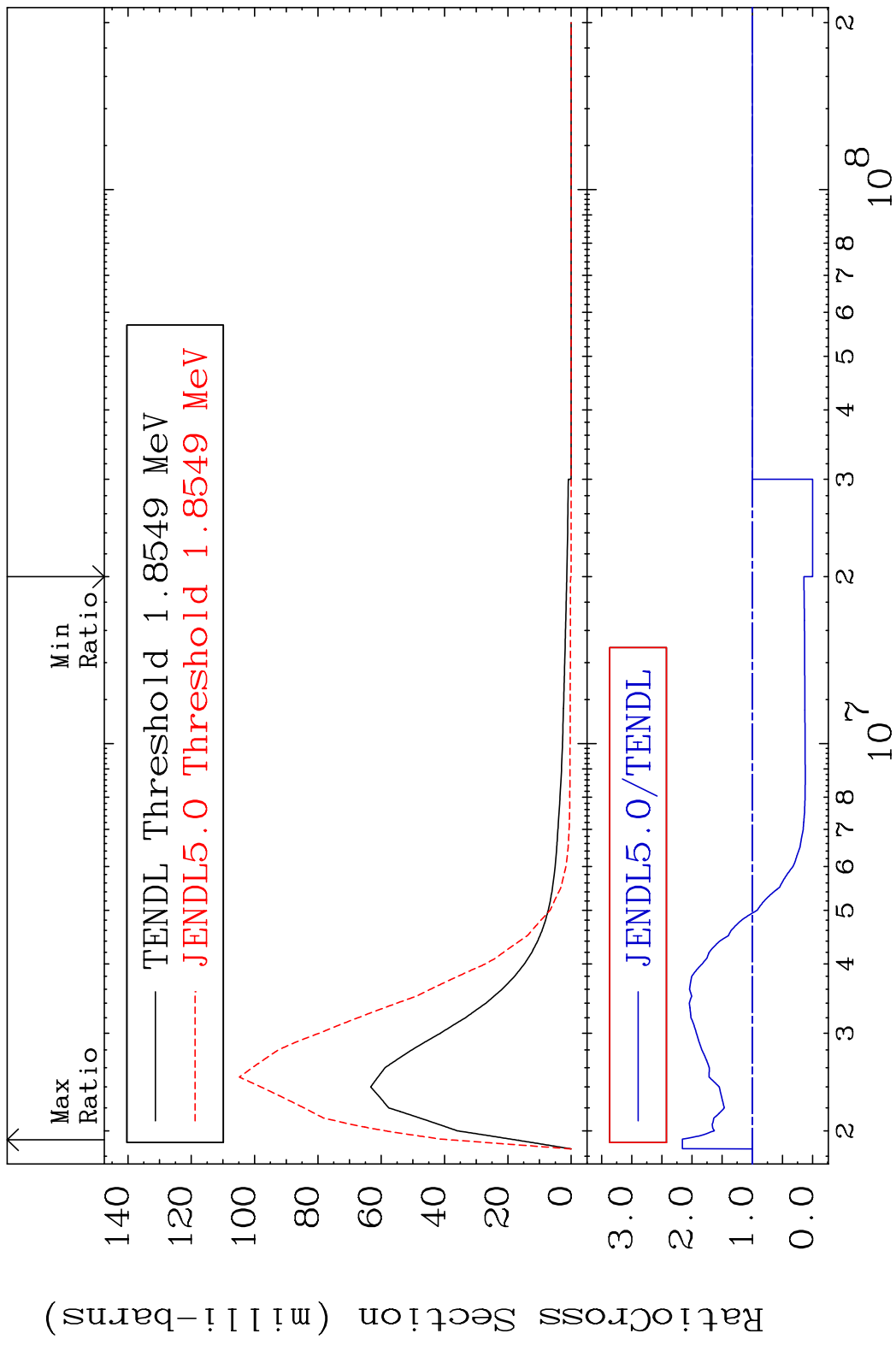




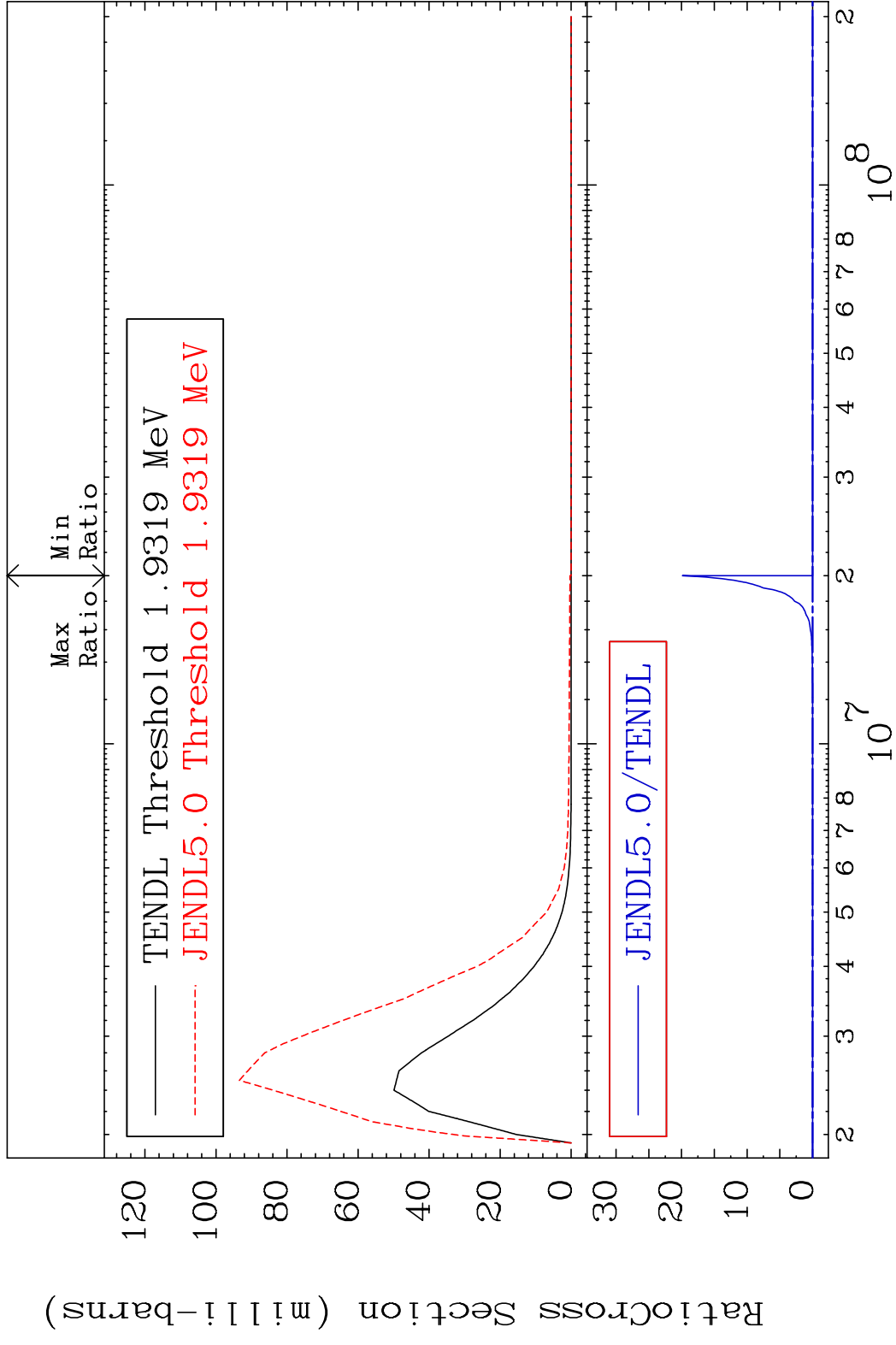
MAT 8025 MT= 64 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 126.7 %



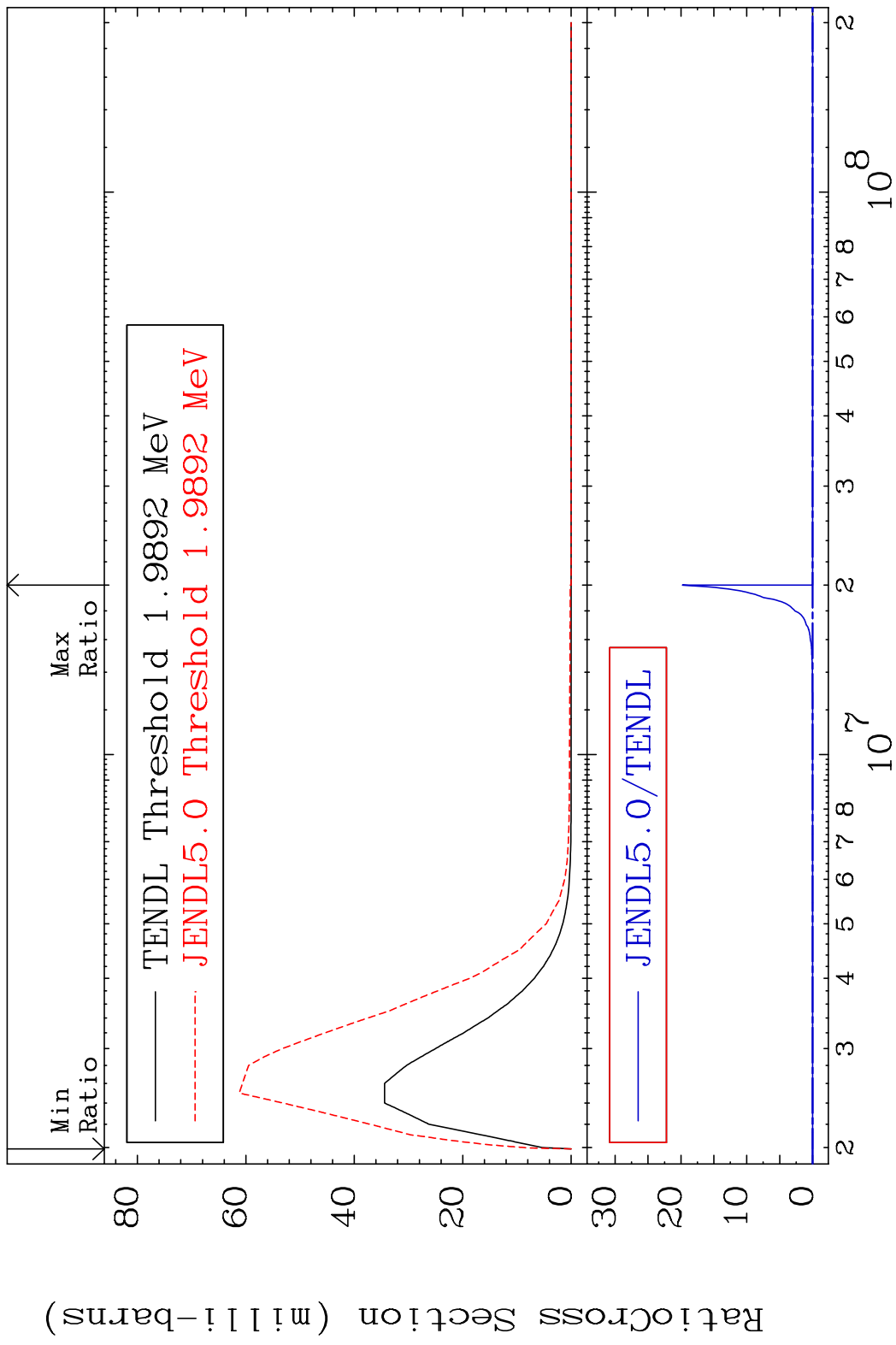
MAT 8025 MT= 65 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 116.0 %



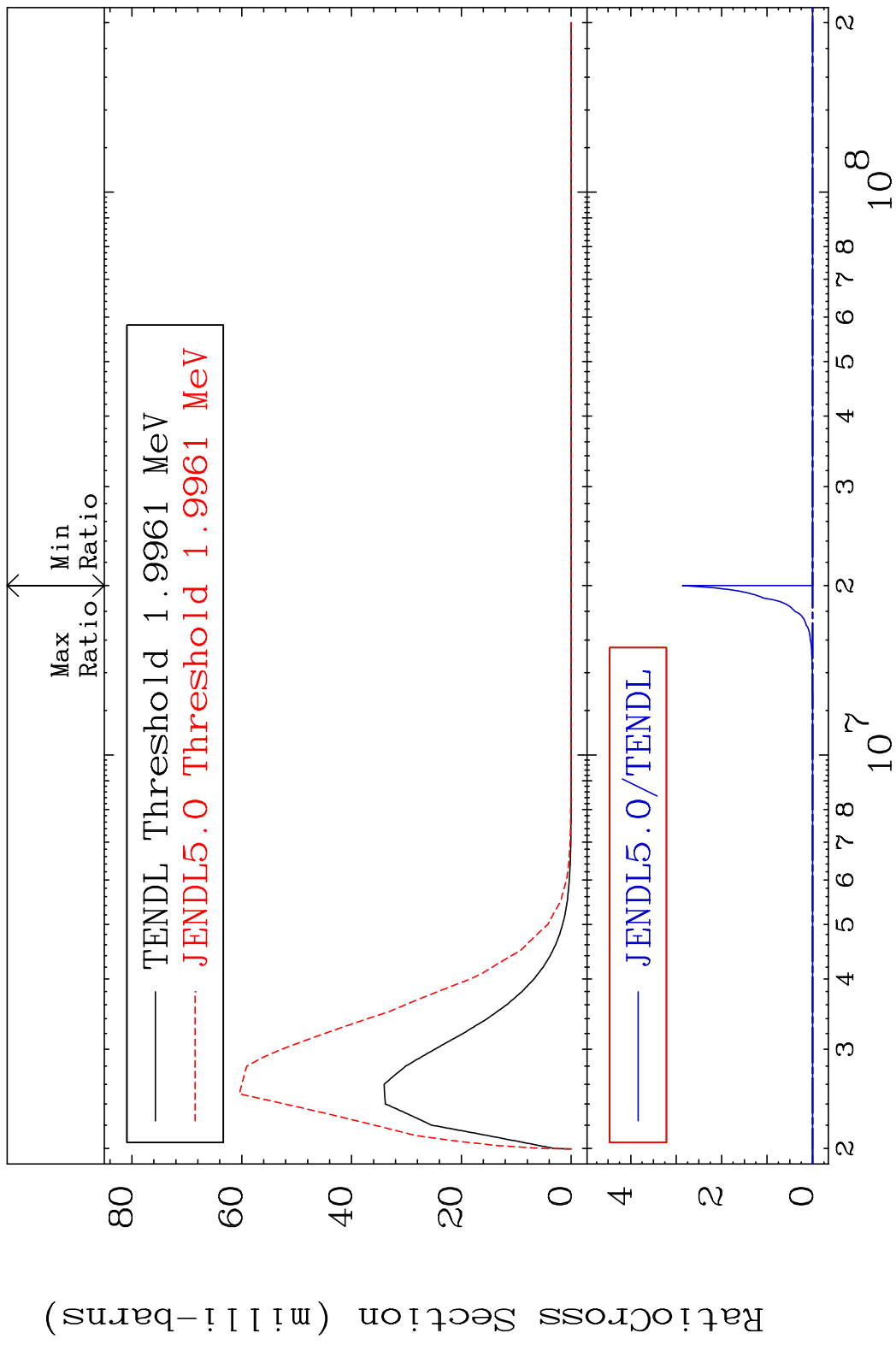
MAT 8025 MT= 66 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 9999. %



MAT 8025 MT= 67 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 9999. %

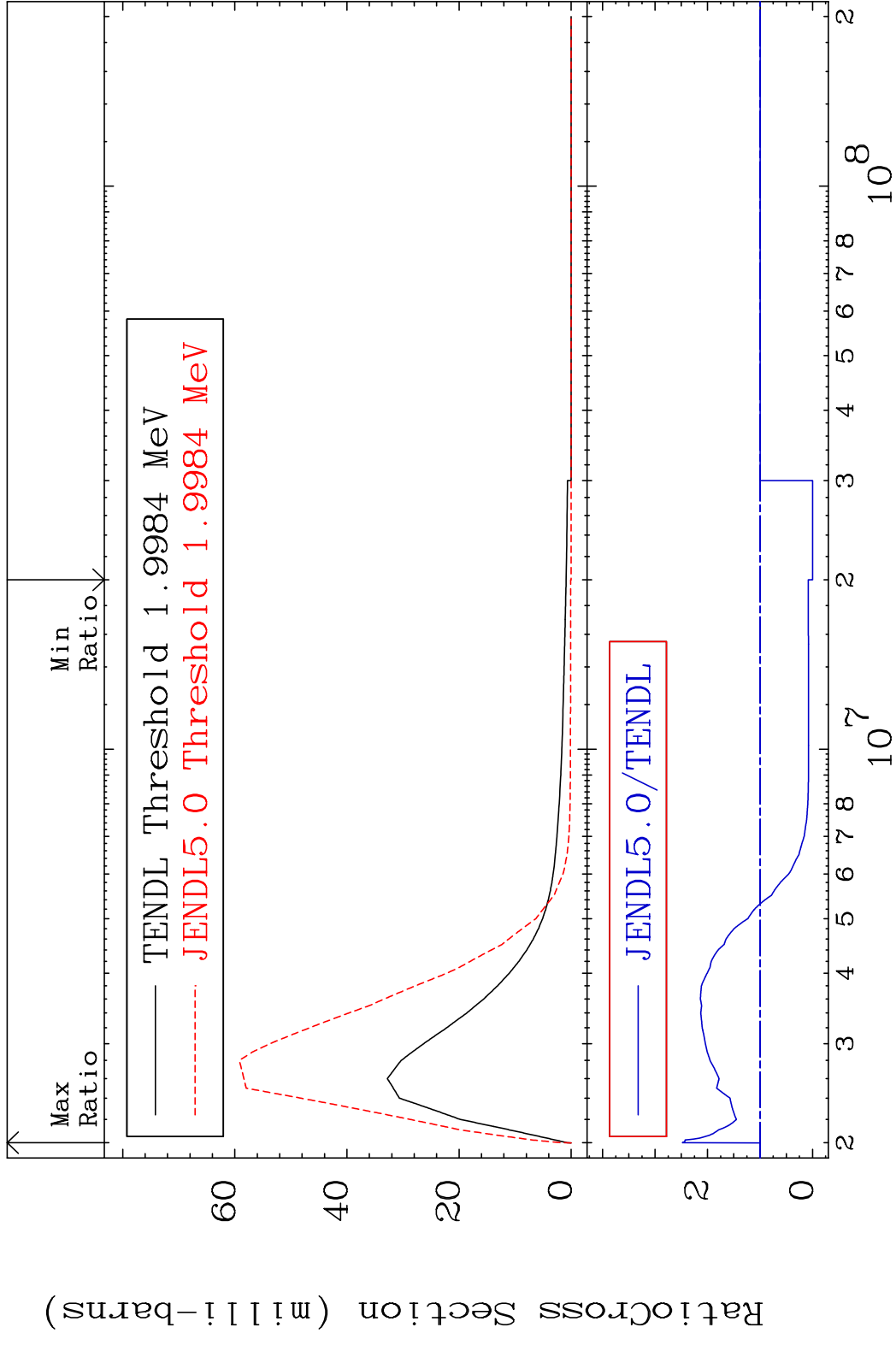


MAT 8025 MT= 68 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 9999. %



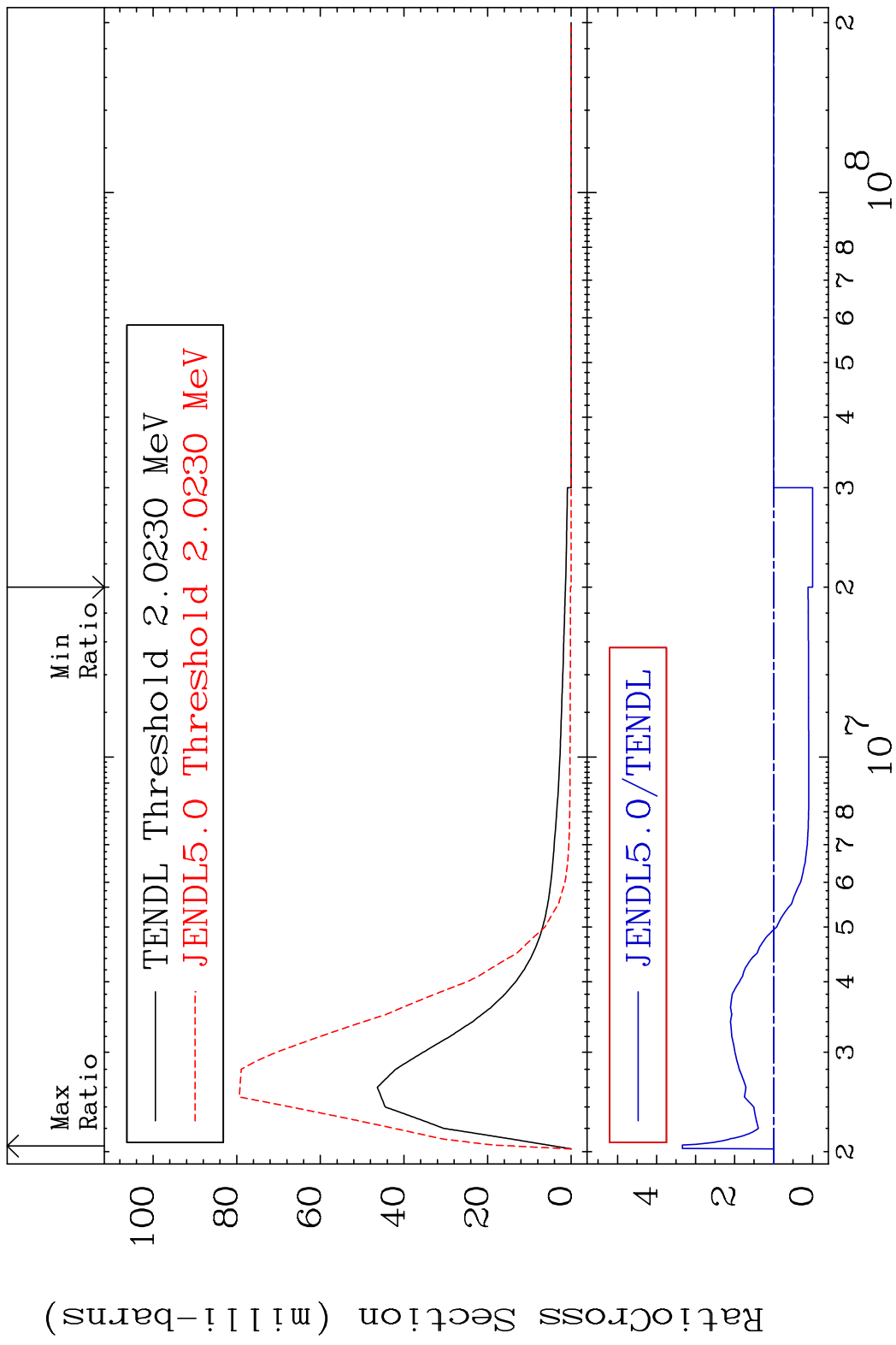
28 Incident Energy (eV) 80-Hg-196

MAT 8025 MT= 69 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 148.0 %



29 80-Hg-196

MAT 8025 MT= 70 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 233.9 %

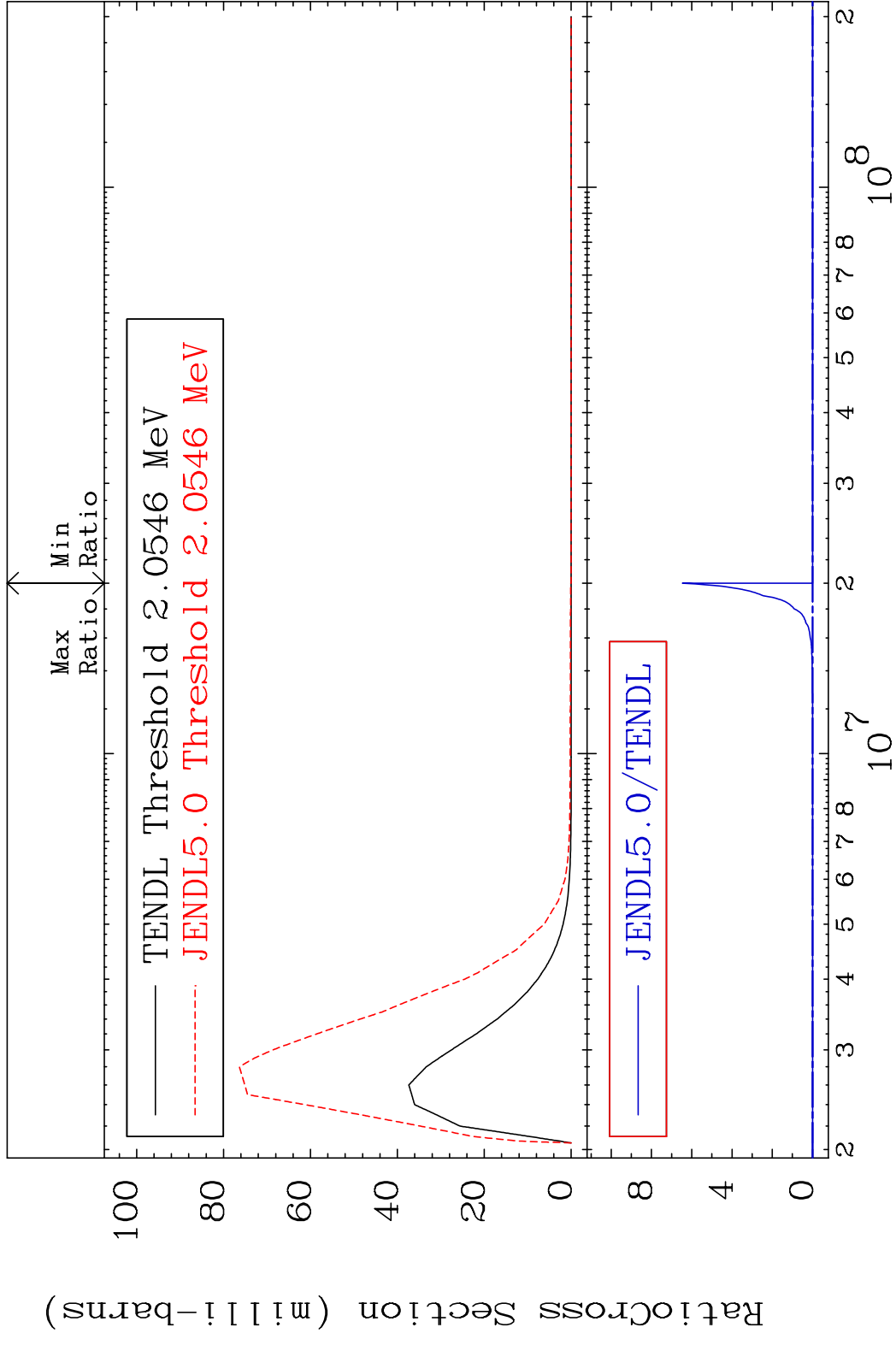


30

Incident Energy (eV)

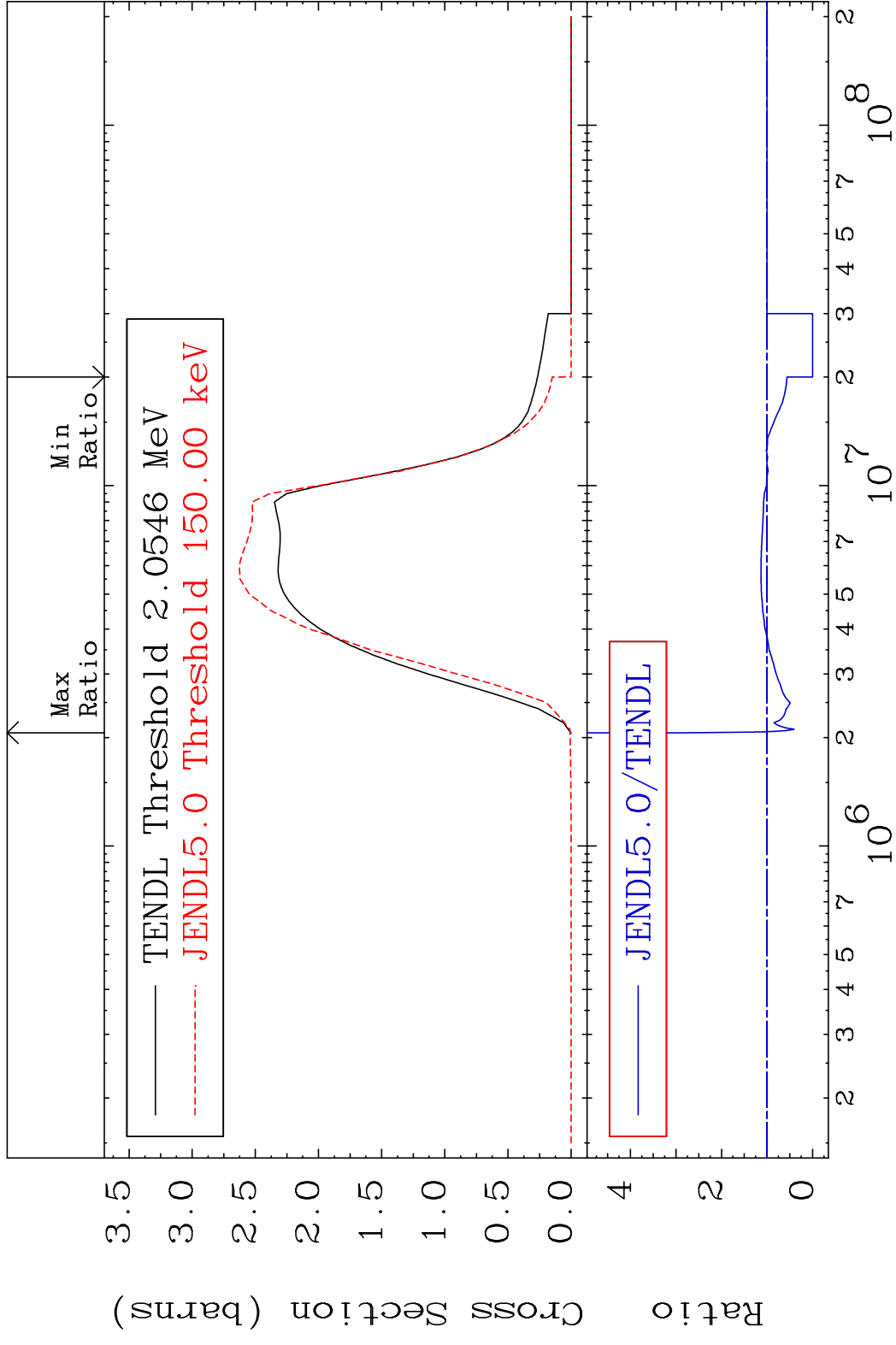
80-Hg-196

MAT 8025 MT= 71 (n, n') Level 80-Hg-196  
 Cross Section -100.0 To 9999. %





MAT 8025 (n, n') Continuum 80-Hg-196  
 Cross Section -100.0 To 186.0 %

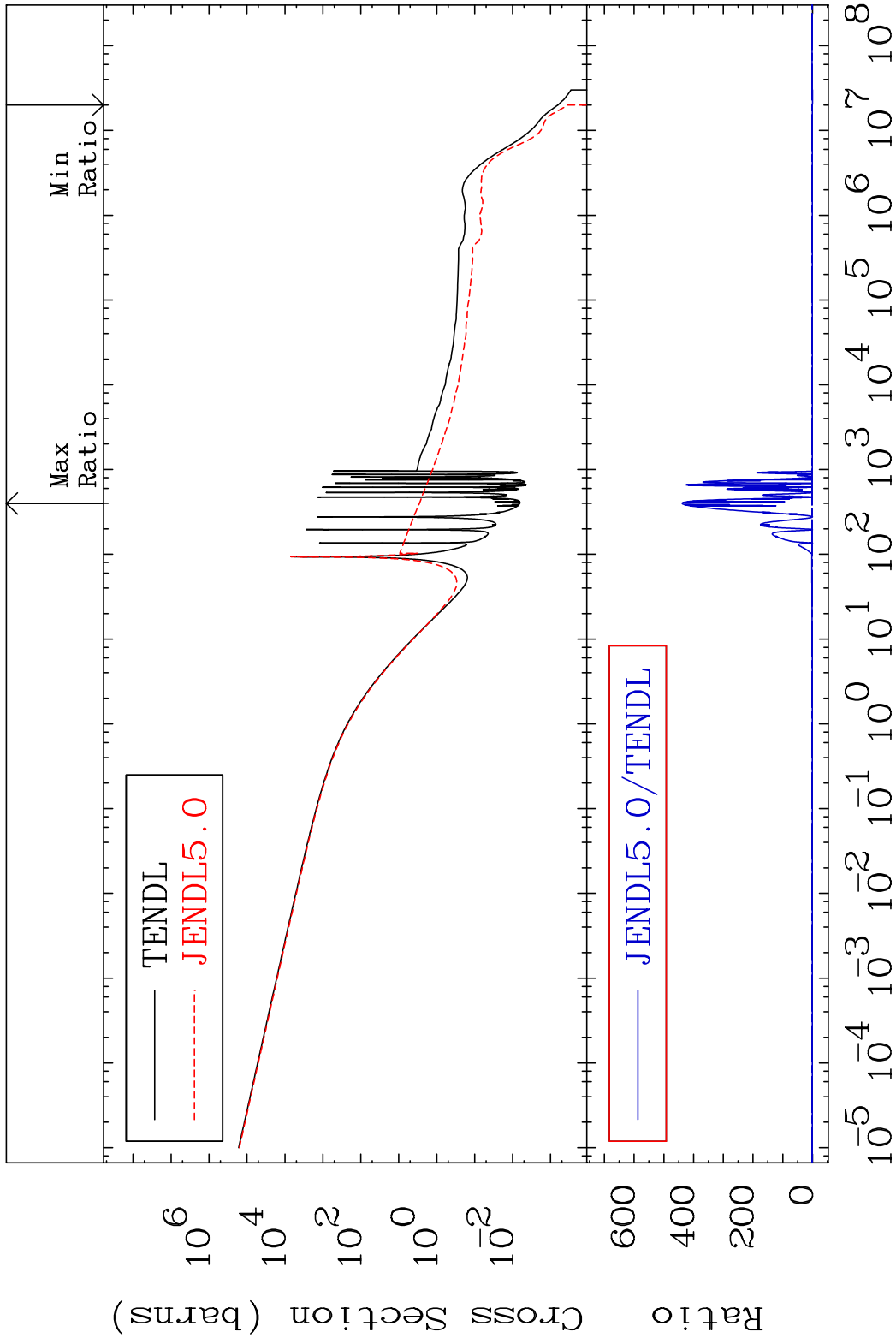


MAT 8025

(n,  $\gamma$ )

80-Hg-196

Cross Section -100.0 To 9999. %

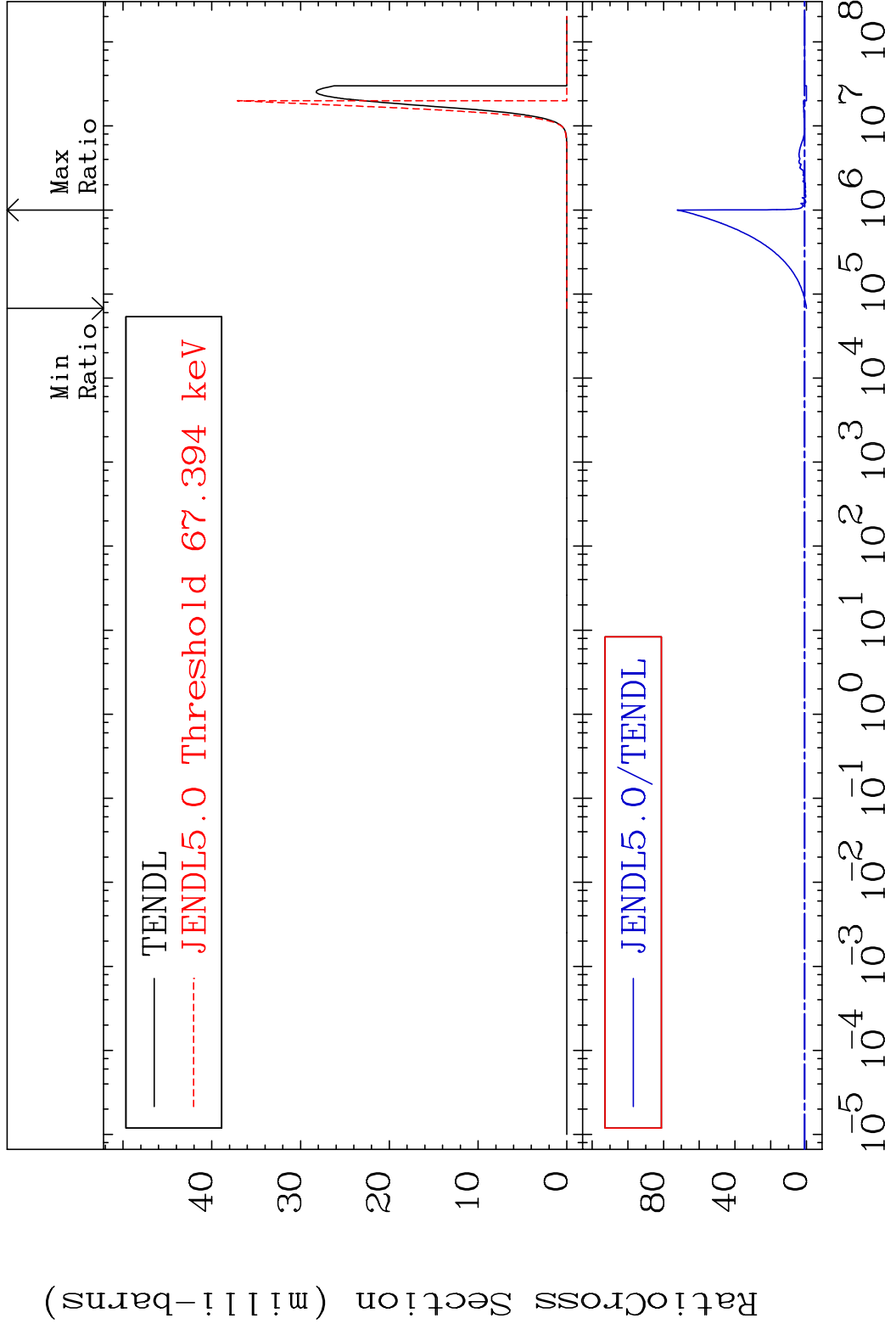


33

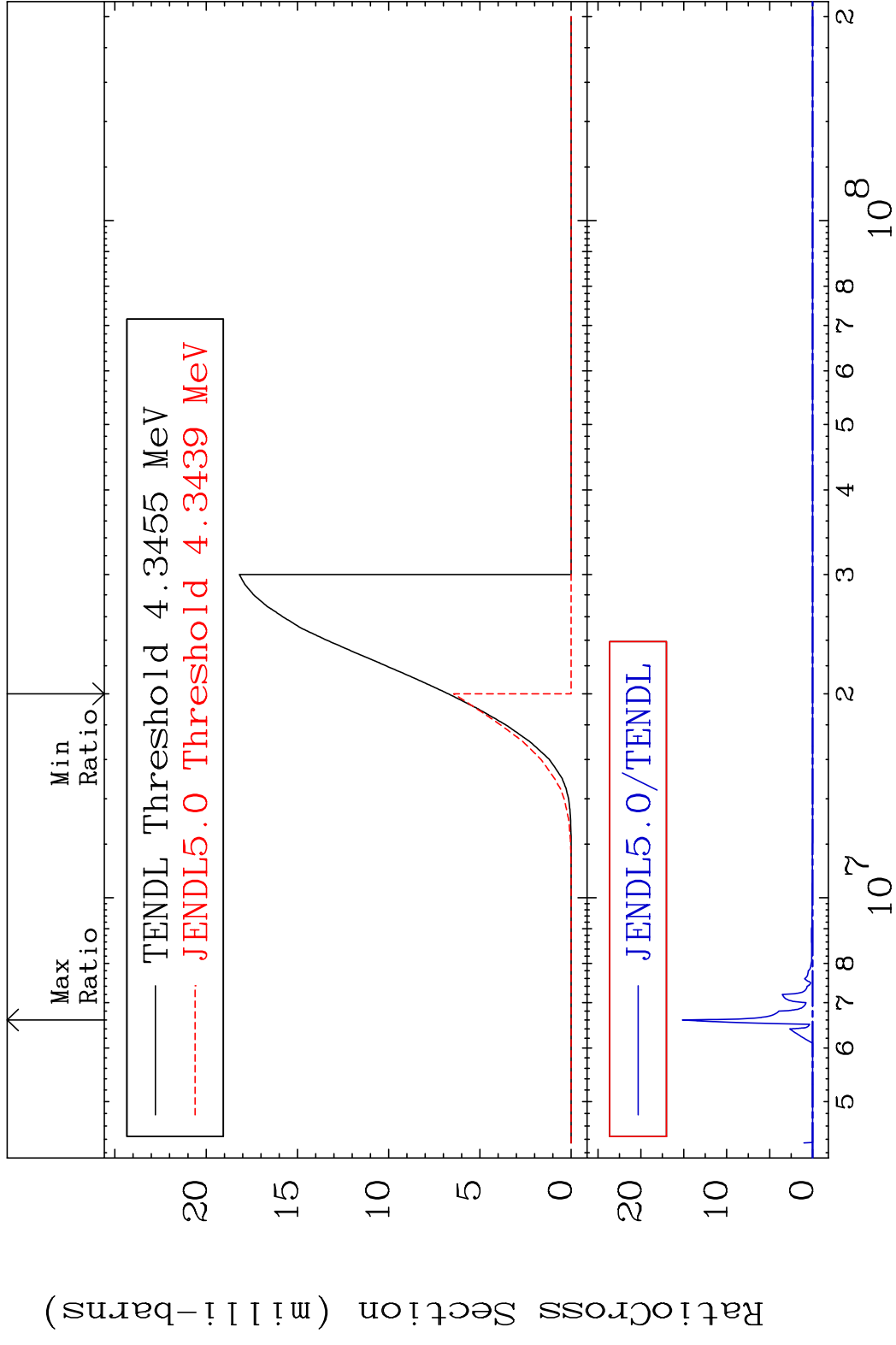
Incident Energy (eV)

80-Hg-196

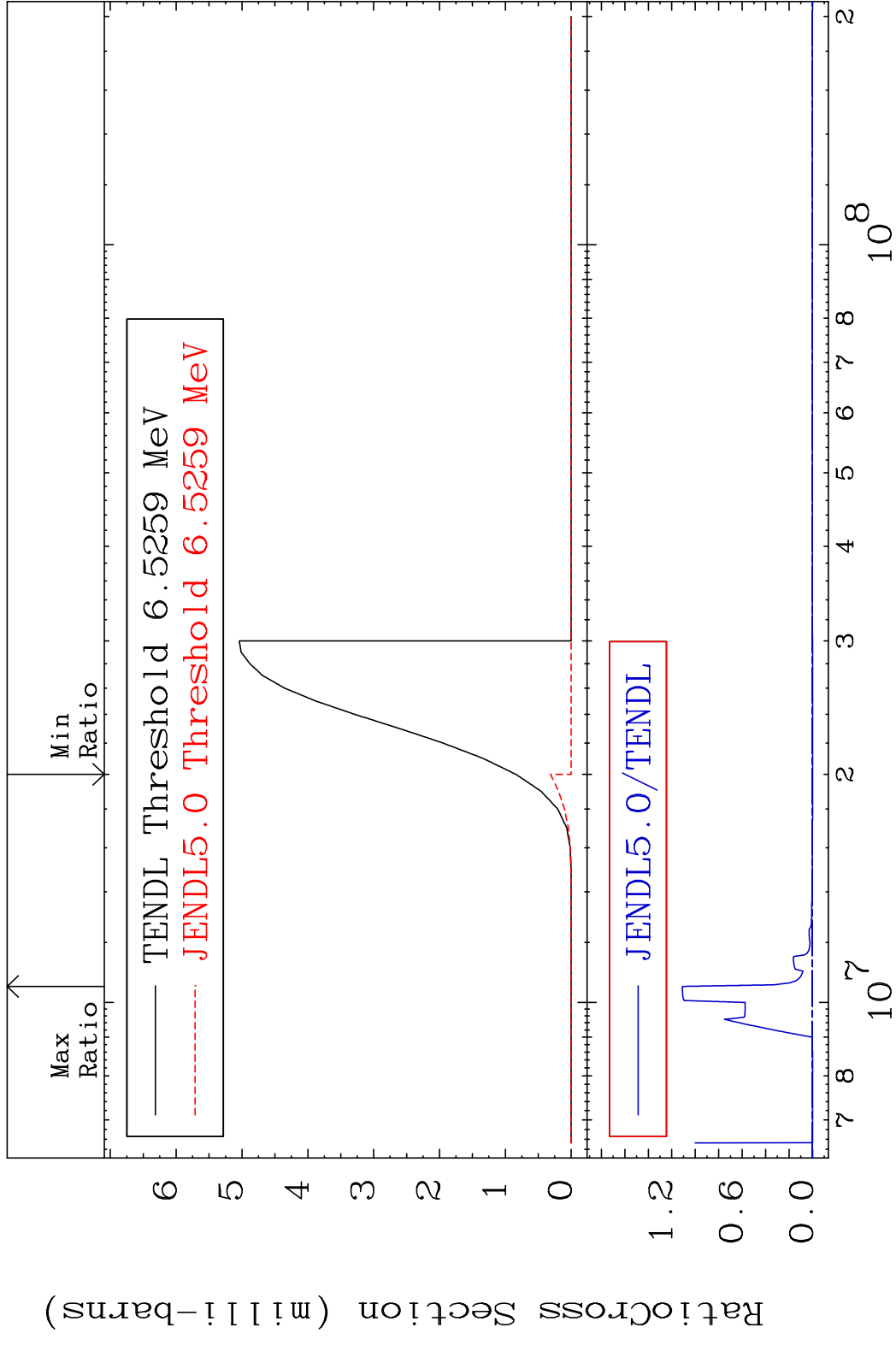
MAT 8025 (n,p) Cross Section -100.0 To 7135. % 80-Hg-196



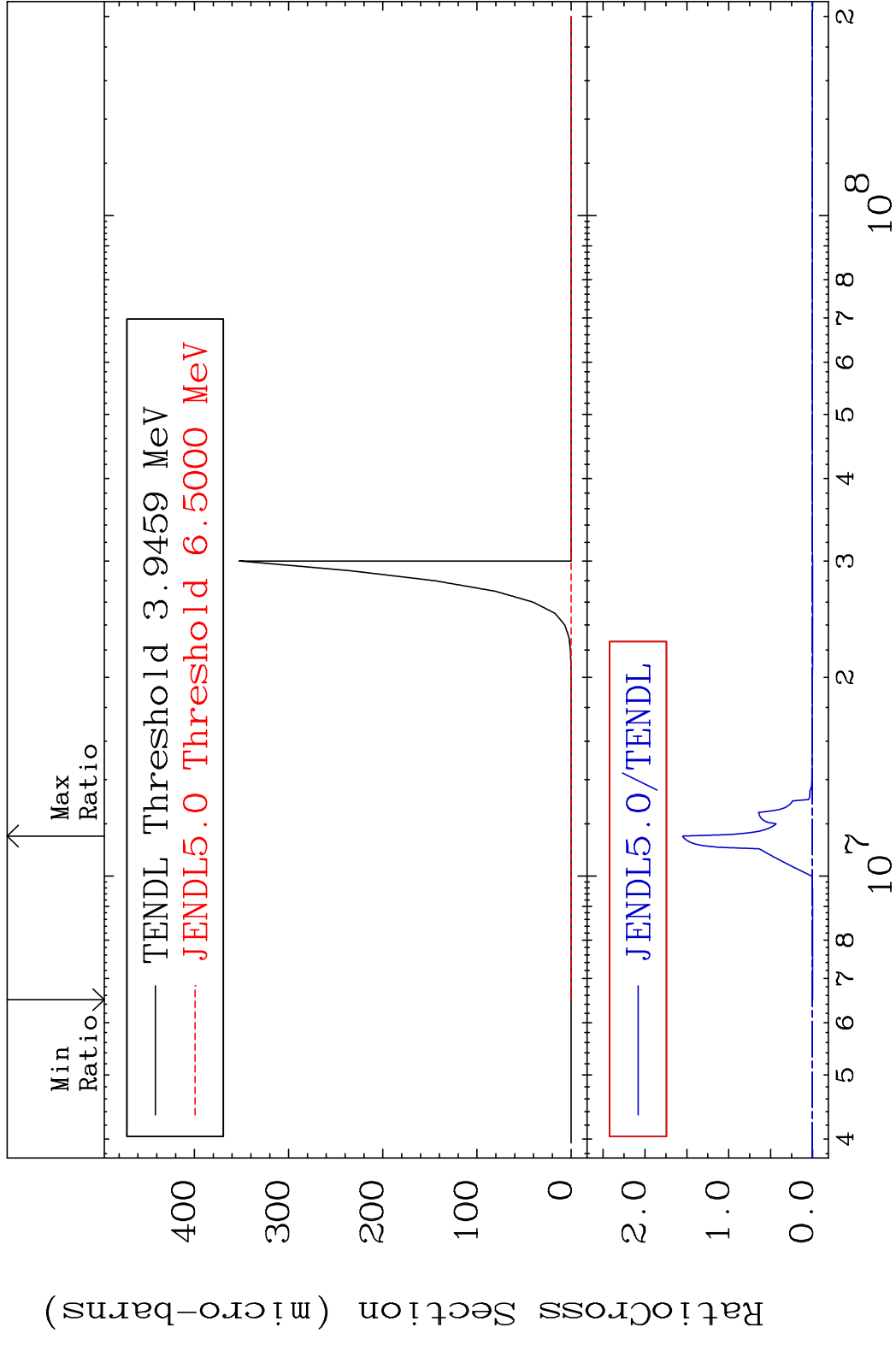
MAT 8025 (n,d) 80-Hg-196  
 Cross Section -100.0 To 9999. %



MAT 8025 (n, t) 80-Hg-196  
 Cross Section -100.0 To 9999. %

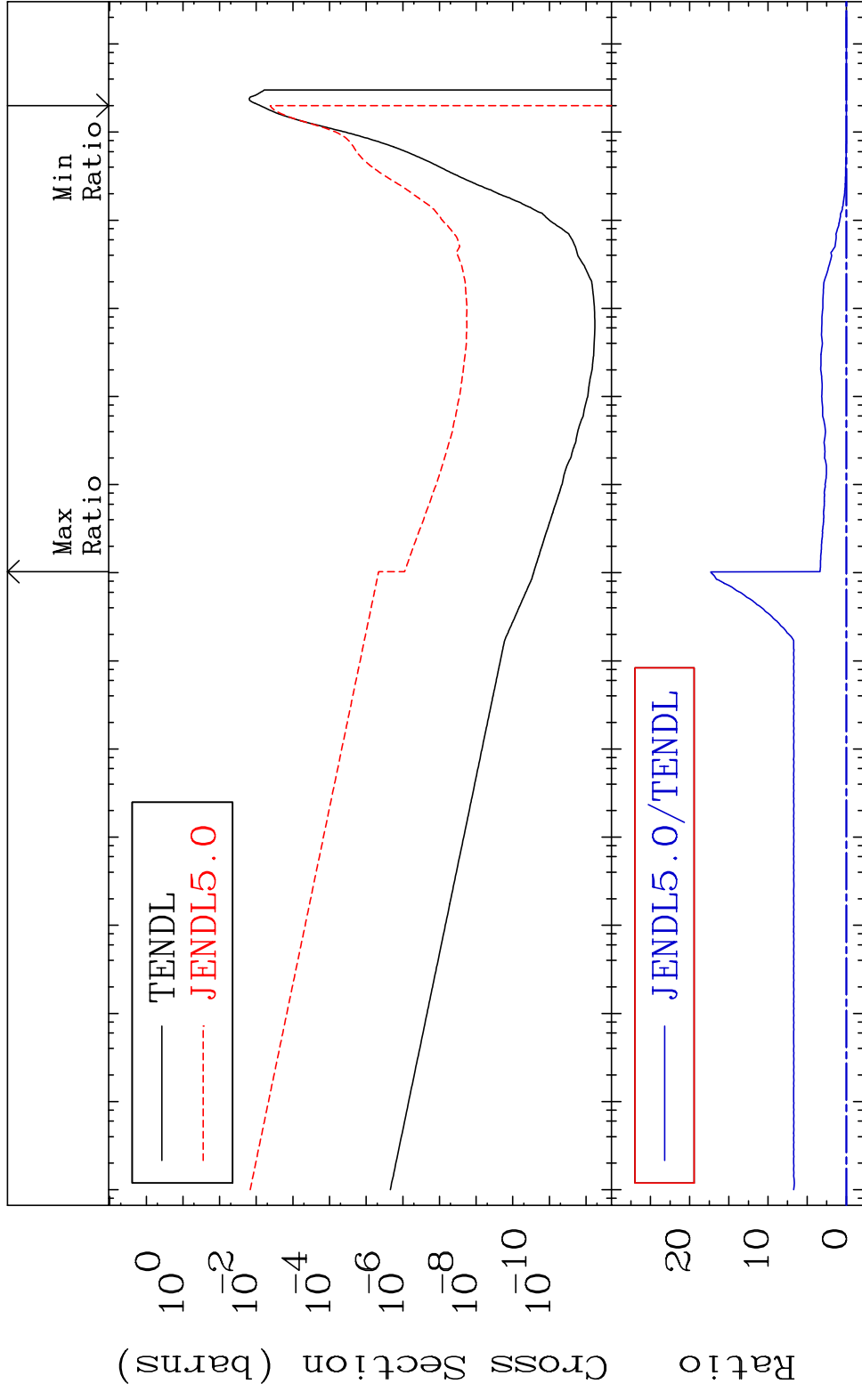


MAT 8025 (n, He-3) 80-Hg-196  
 Cross Section -100.0 To 9999. %



MAT 8025

(n,  $\alpha$ )  
Cross Section -100.0 To 9999. %  
80-Hg-196

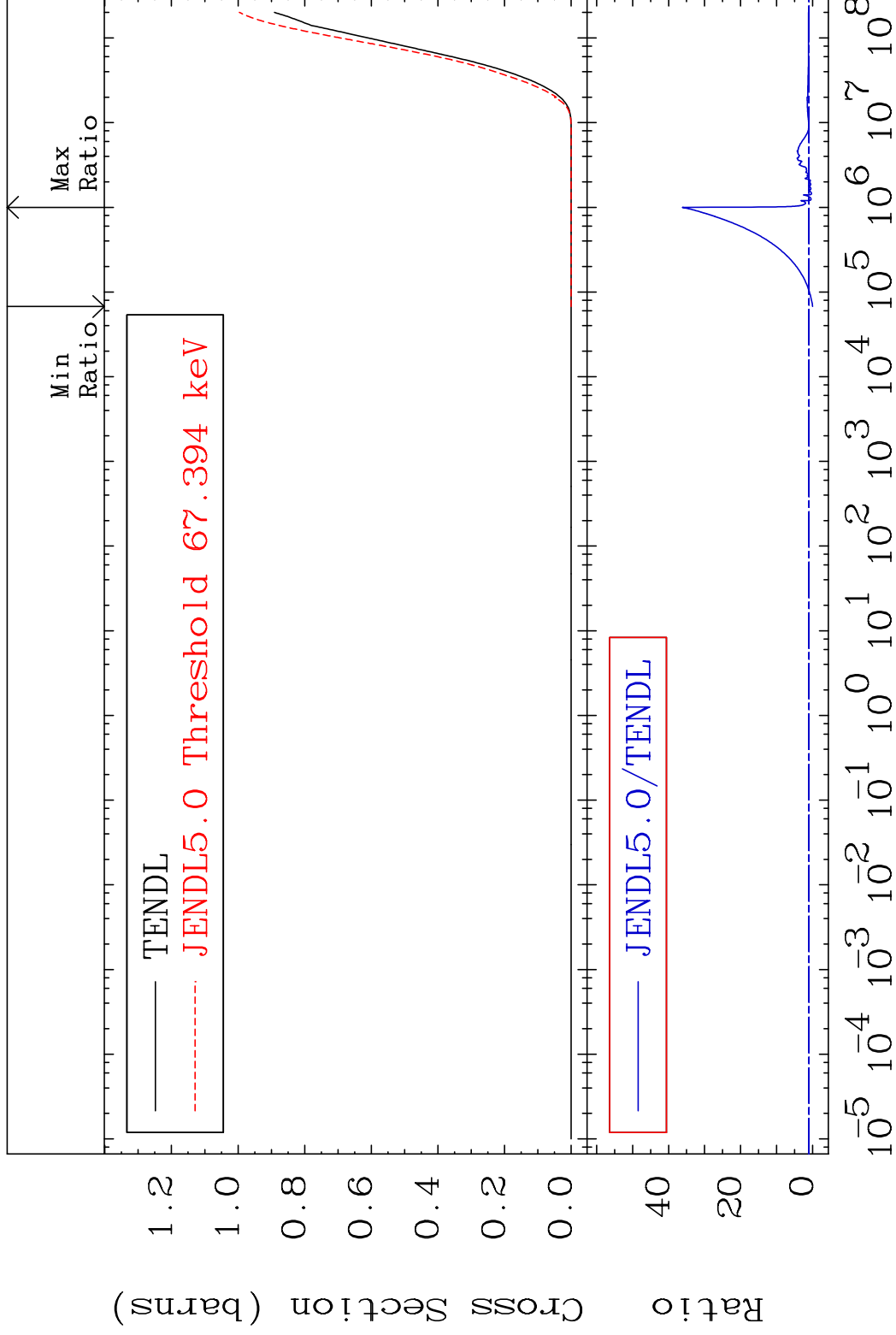


MAT 8025

Hydrogen Production

80-Hg-196

Cross Section -100.0 To 3518. %



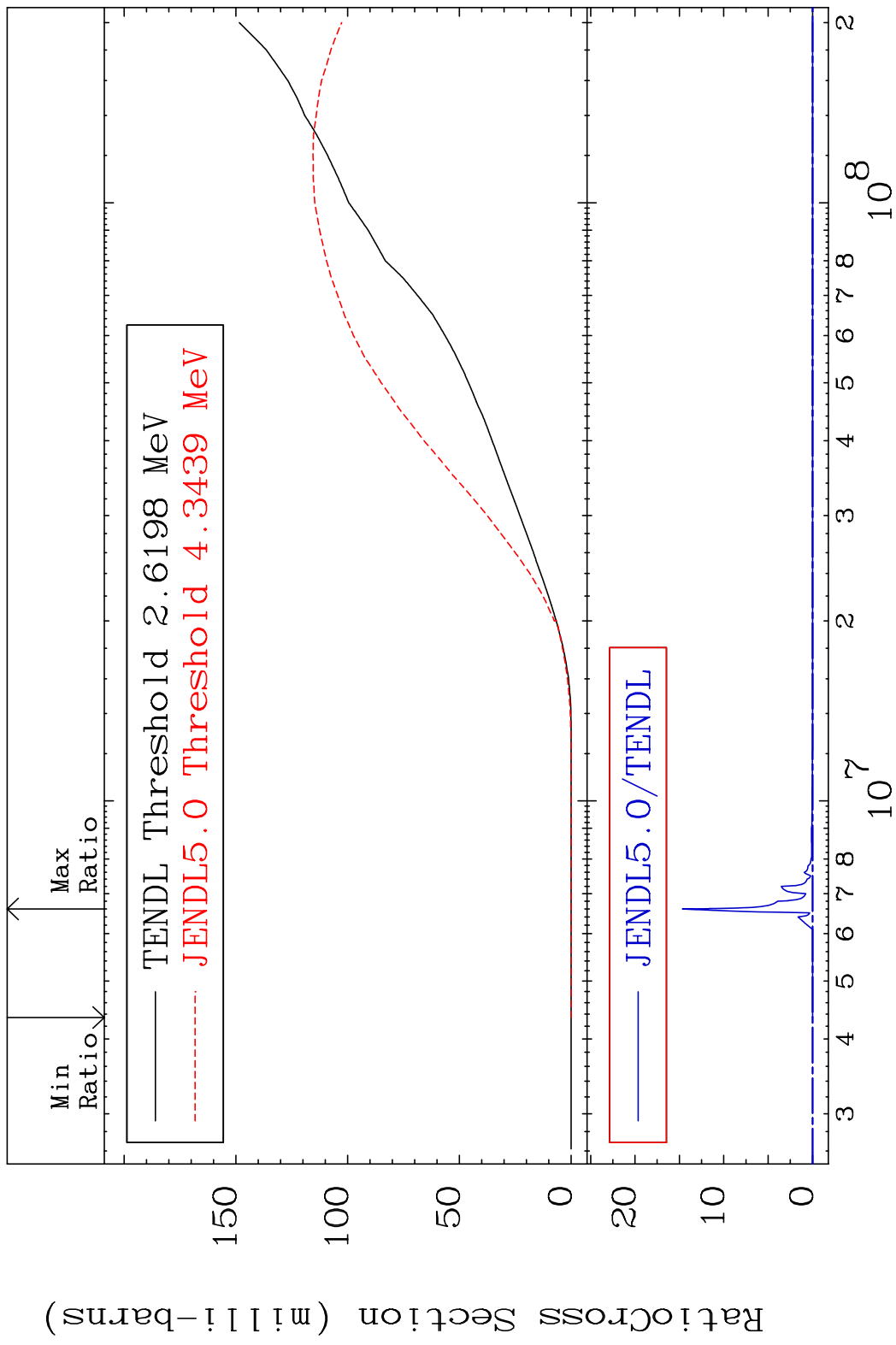
39

Incident Energy (eV)

80-Hg-196

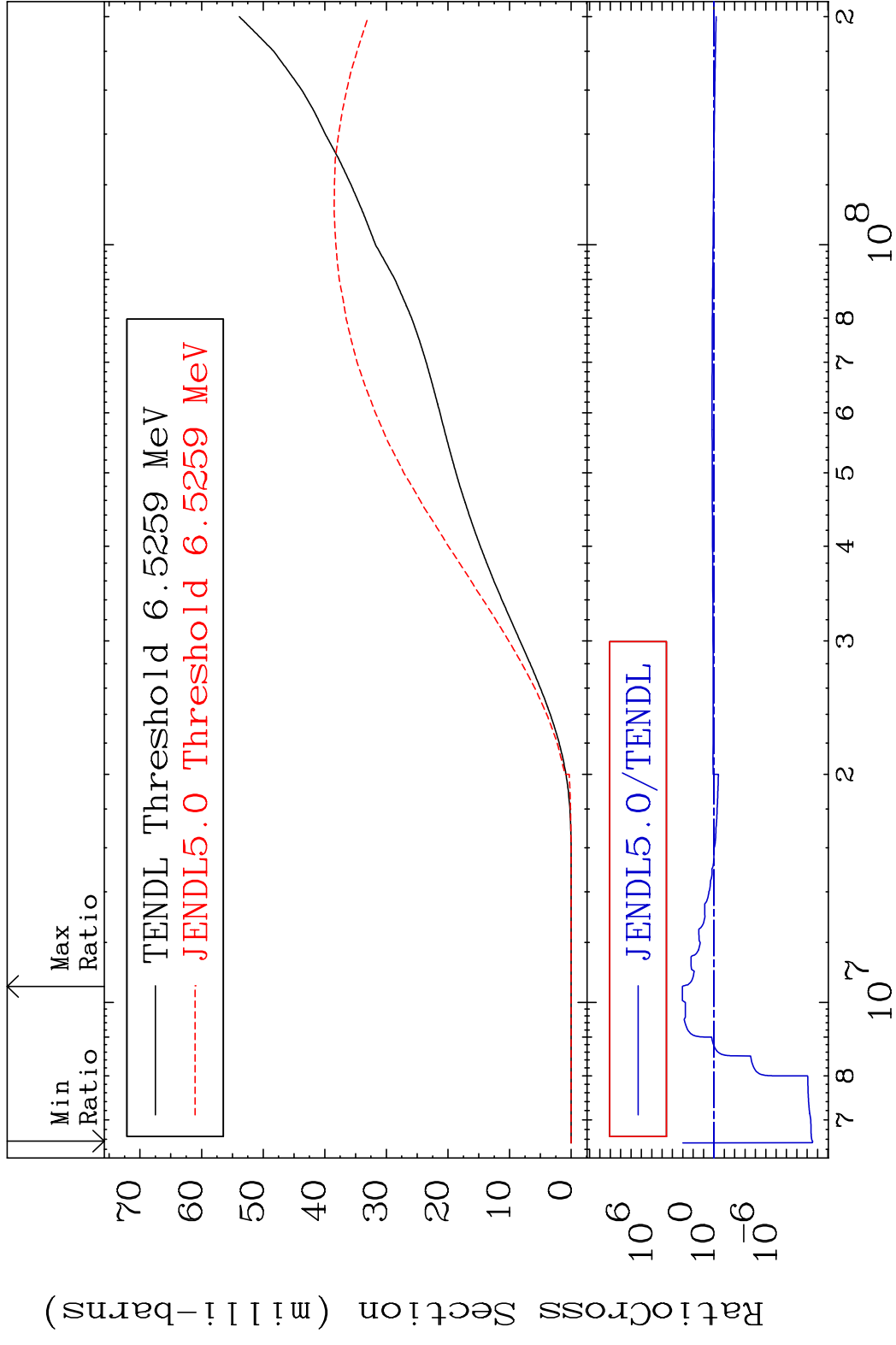


MAT 8025 Deuterium Production 80-Hg-196  
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 80-Hg-196

MAT 8025 Tritium Production 80-Hg-196  
 Cross Section -100.0 To 9999. %

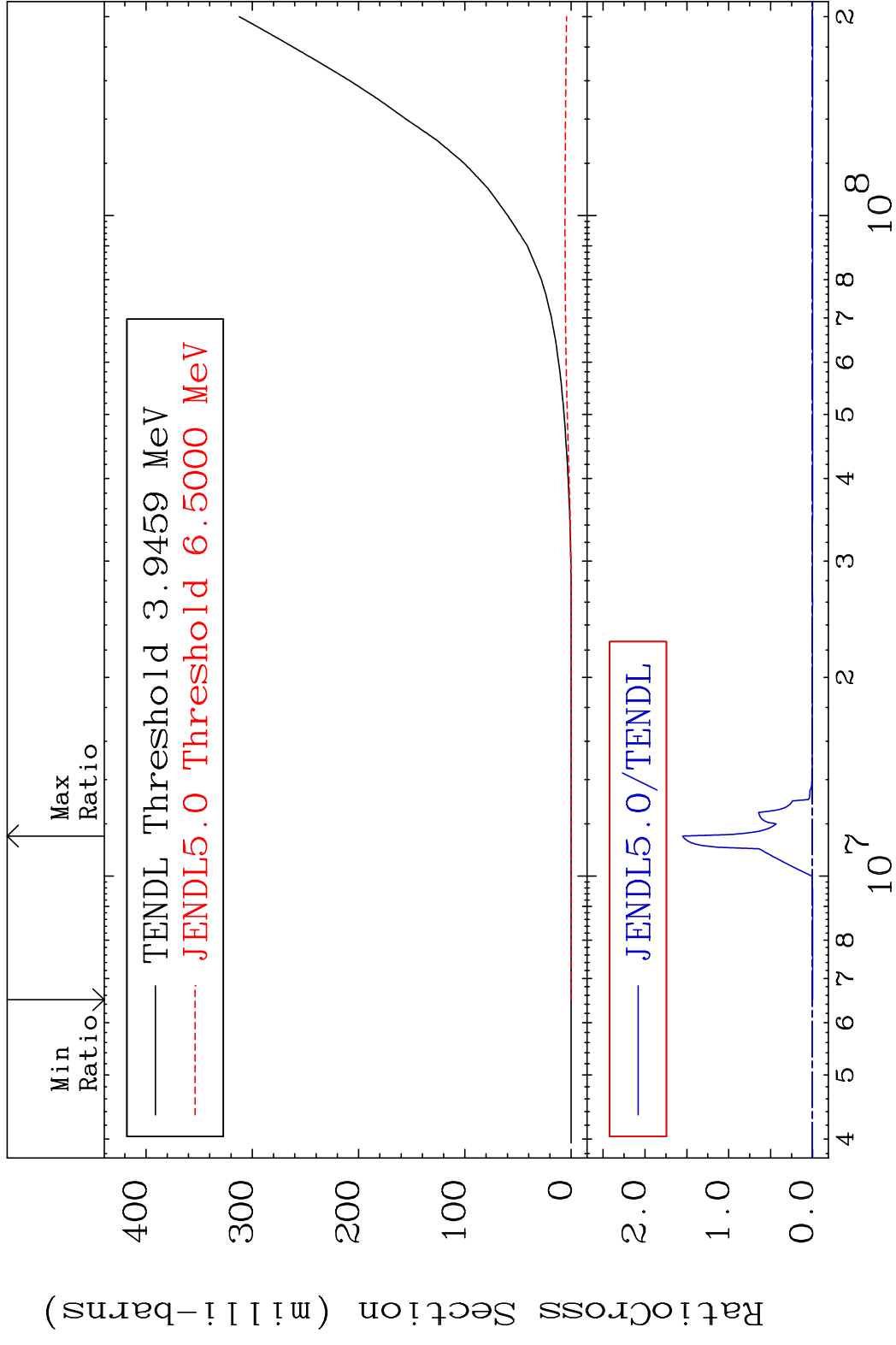


MAT 8025

He-3 Production

80-Hg-196

Cross Section -100.0 To 9999. %

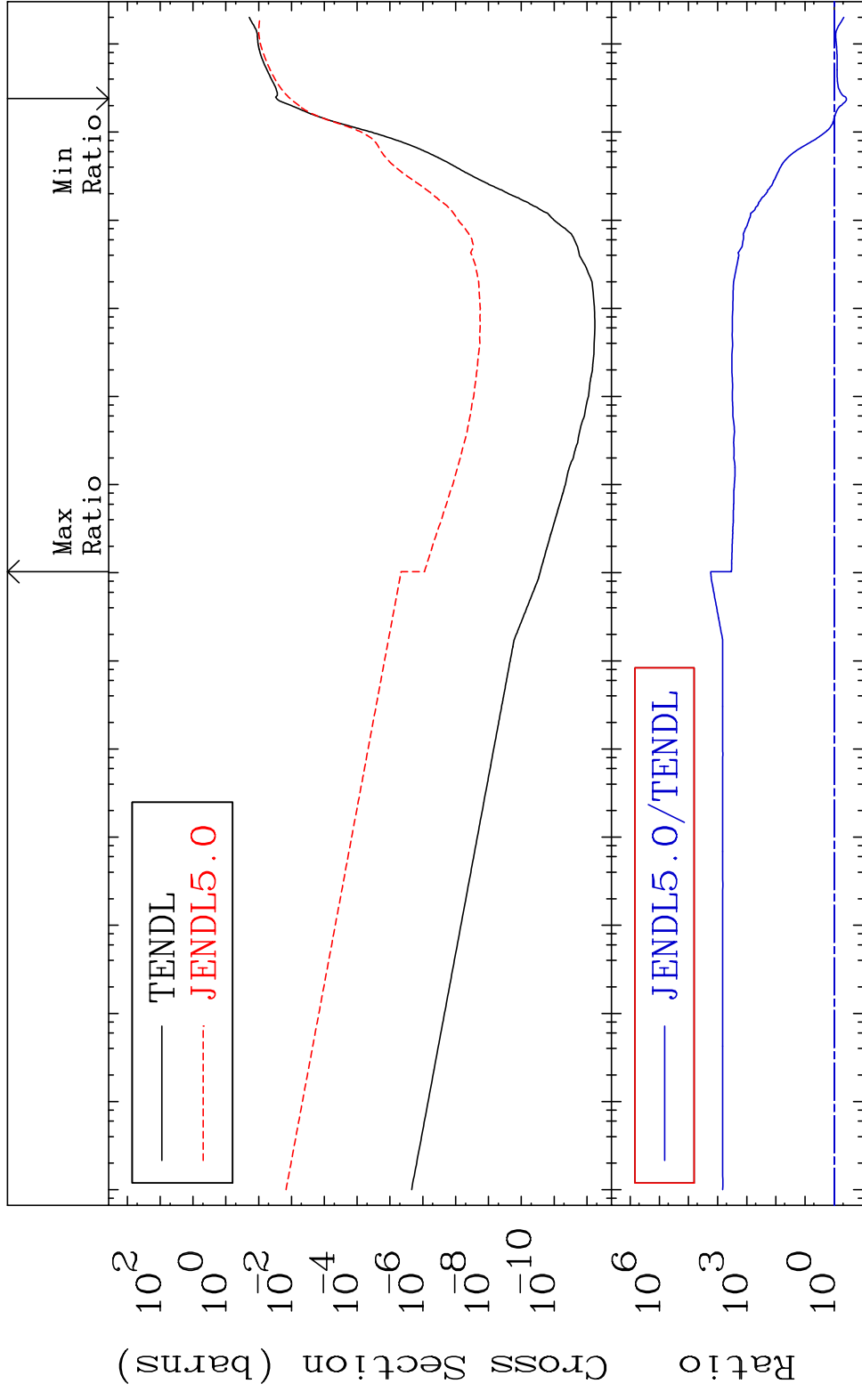


MAT 8025

He-4 Production

80-Hg-196

Cross Section -61.59 To 9999. %

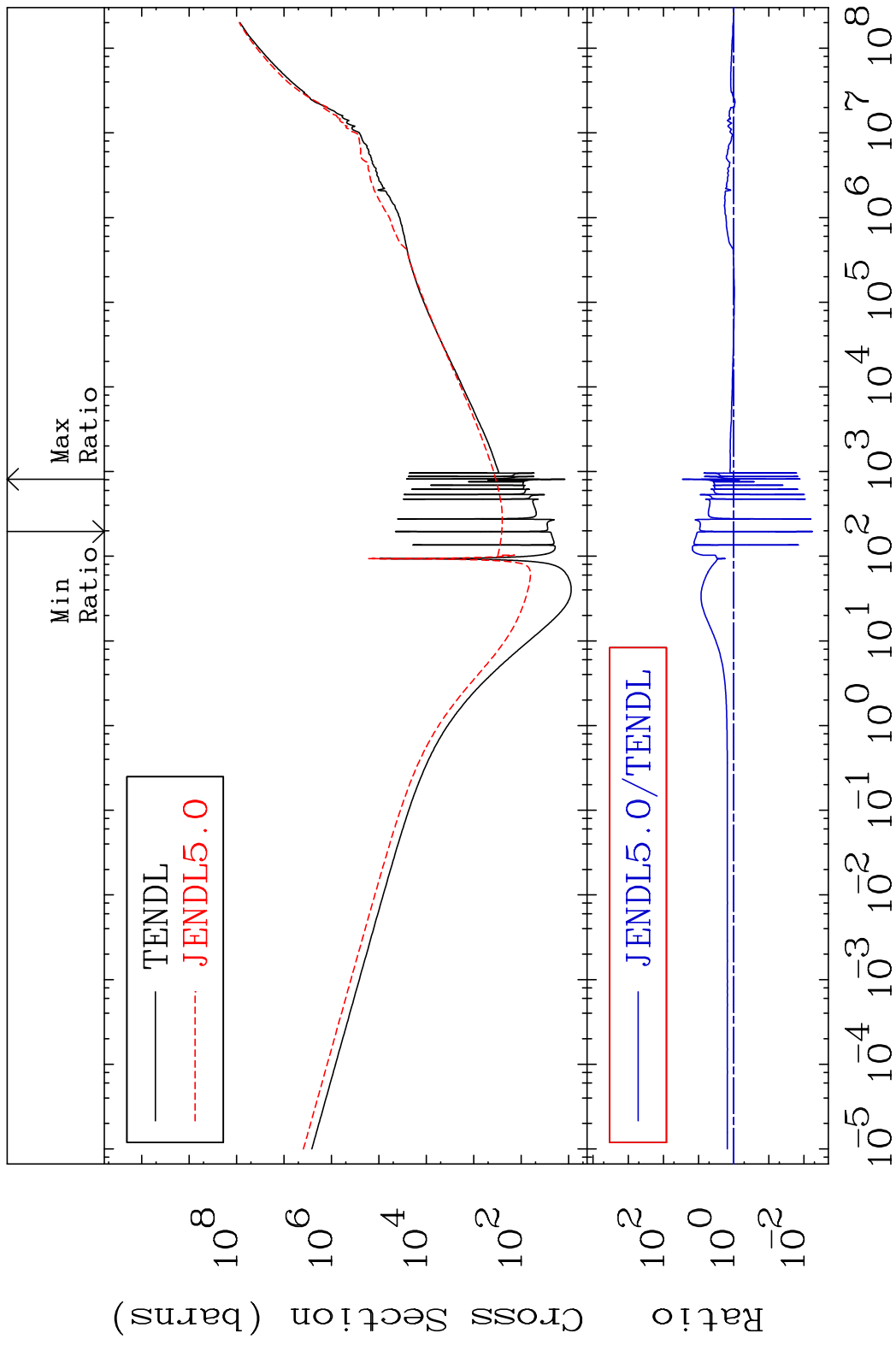


43

Incident Energy (eV)

80-Hg-196

MAT 8025 Kerma total (eV-barns) 80-Hg-196  
 Cross Section -99.43 To 2780. %

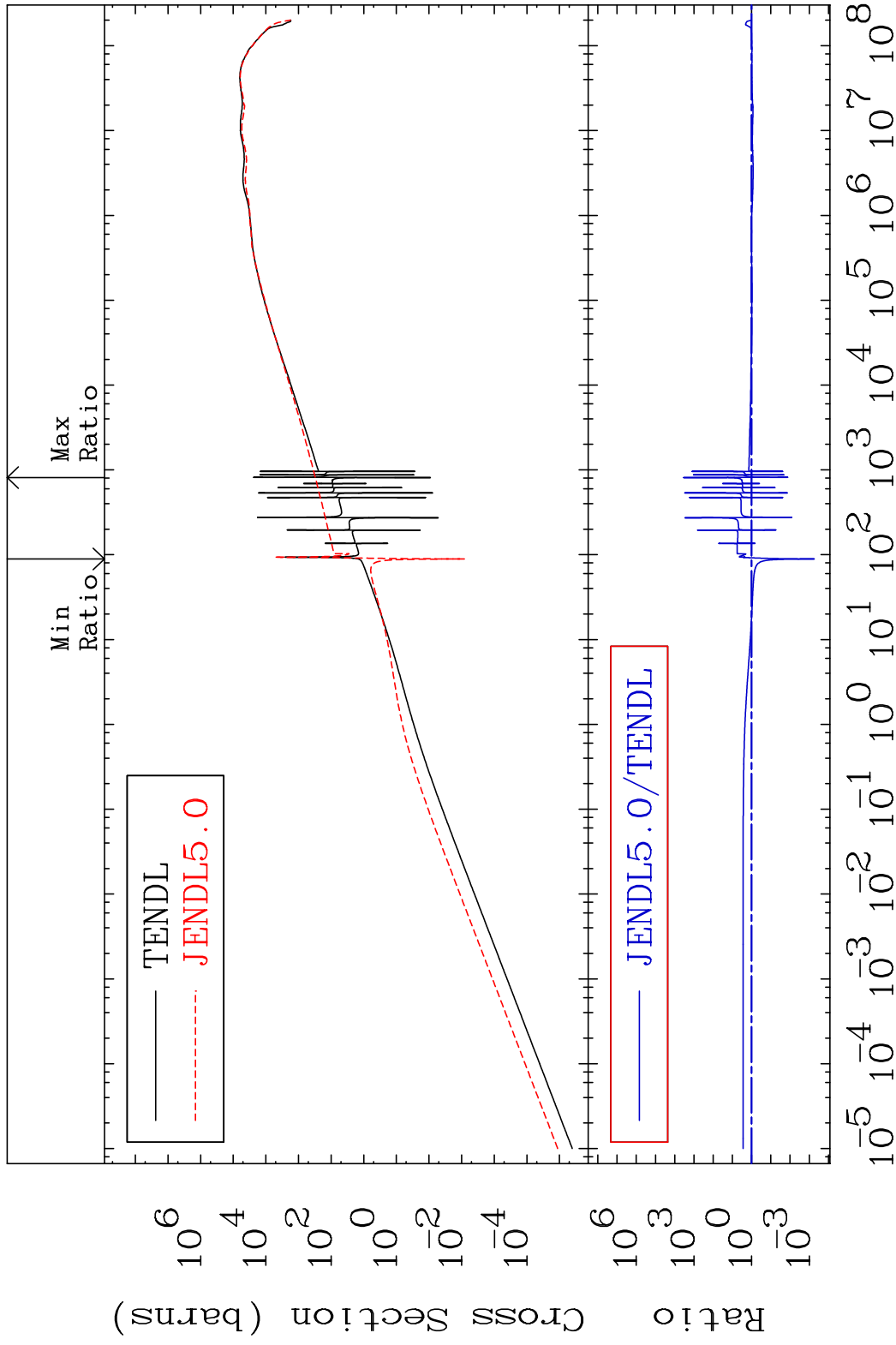


MAT 8025

Kerma elastic

80-Hg-196

Cross Section -99.94 To 9999. %

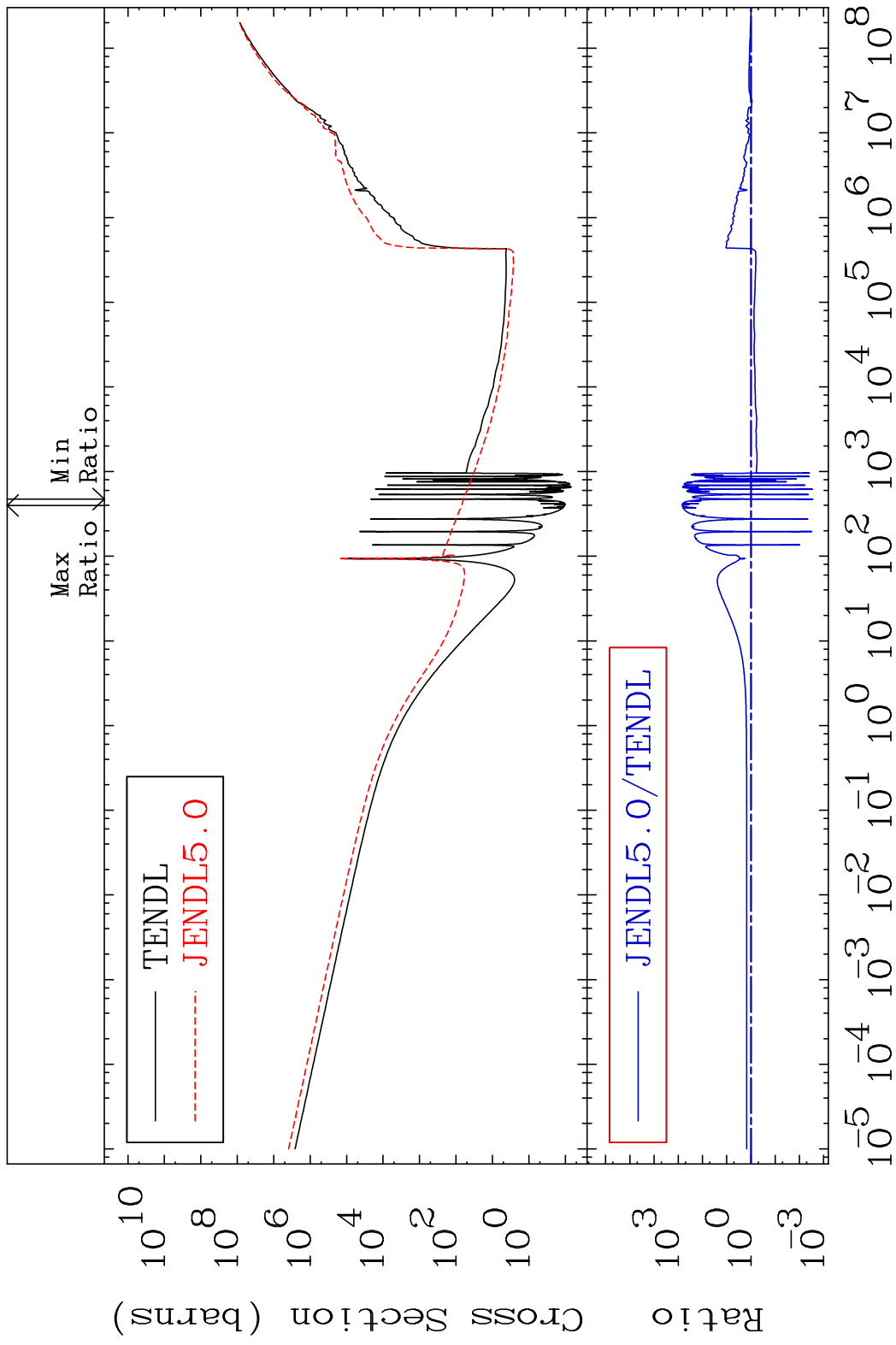


45

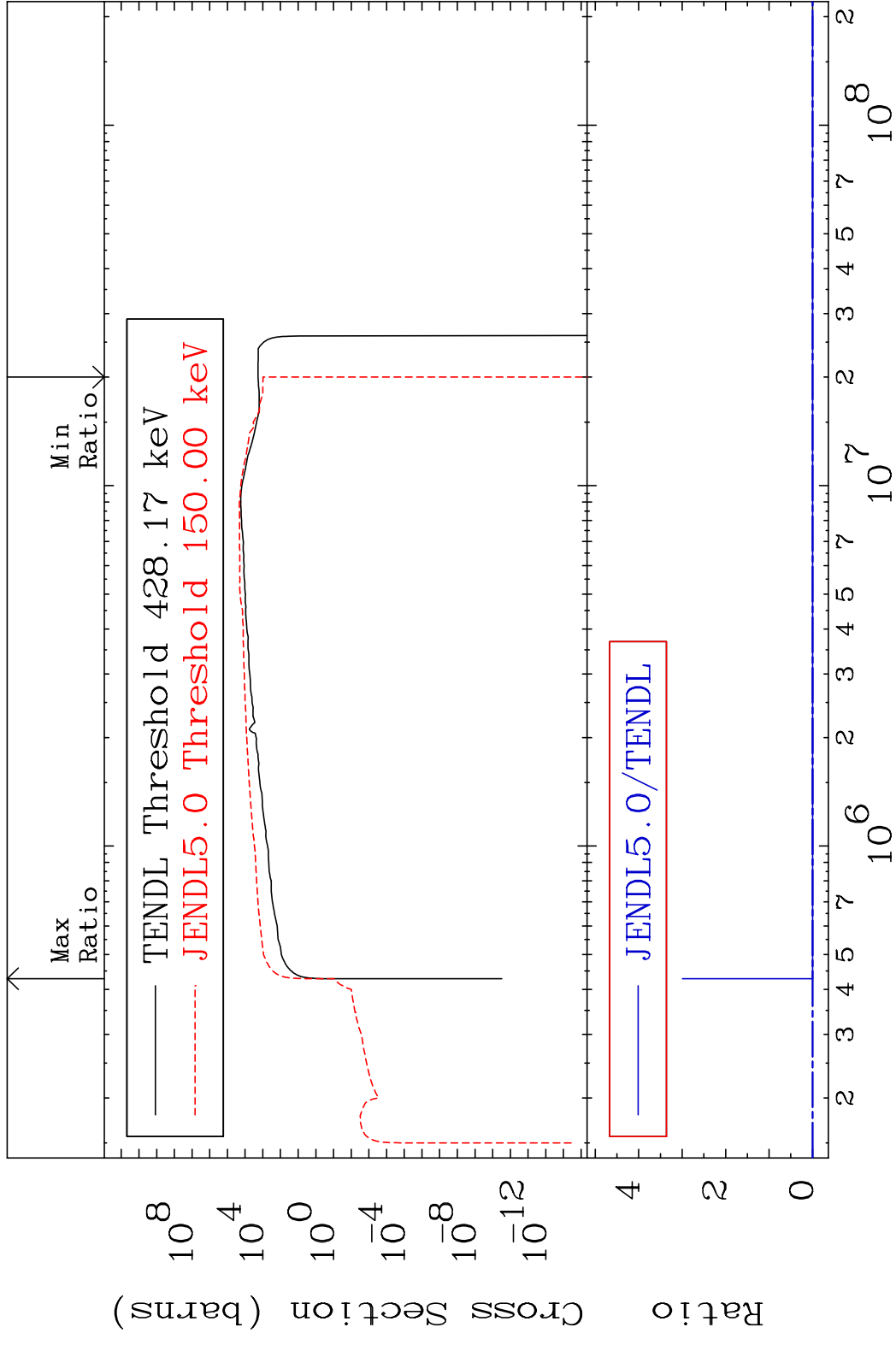
Incident Energy (eV)

80-Hg-196

MAT 8025 Kerma non-elastic (all but mt2) 80-Hg-196  
 Cross Section -99.71 To 9999. %

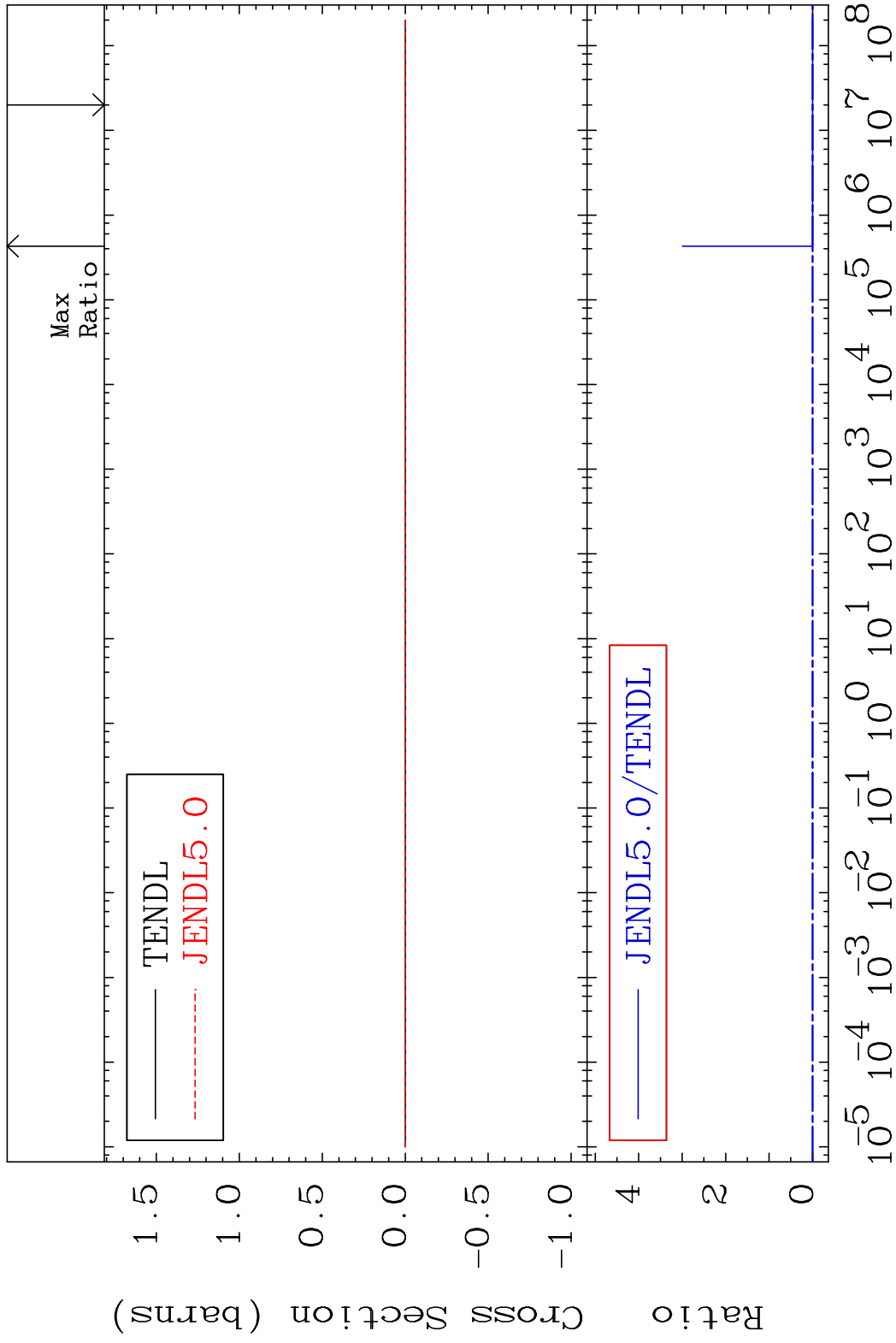


MAT 8025 Kerma inelastic (mt51-91) 80-Hg-196  
 Cross Section -100.0 To 9999. %

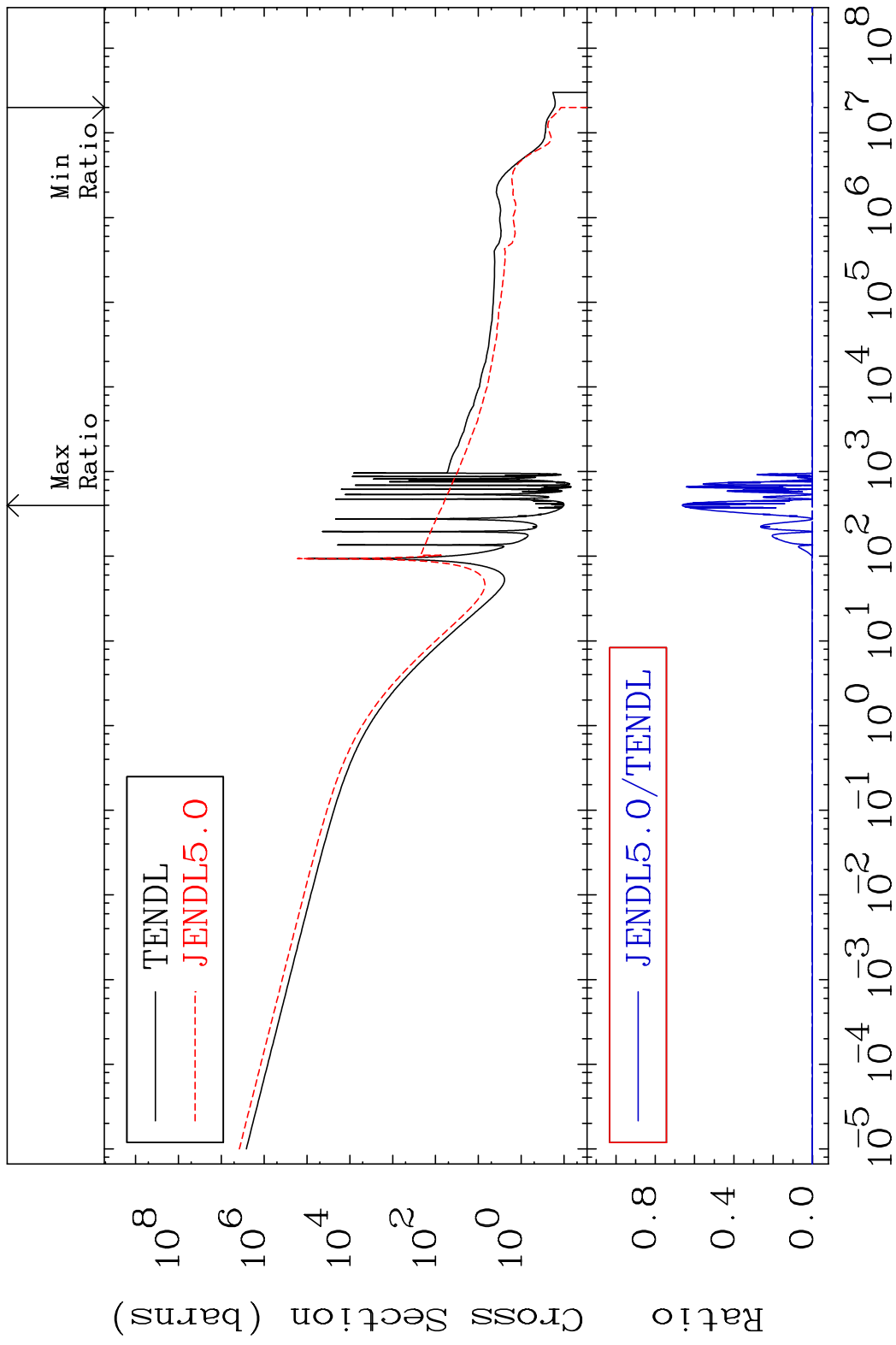




MAT 8025 Kerma fission (mt18 or mt19-20-21-38)80-Hg-196  
 Cross Section -100.0 To 9999. %

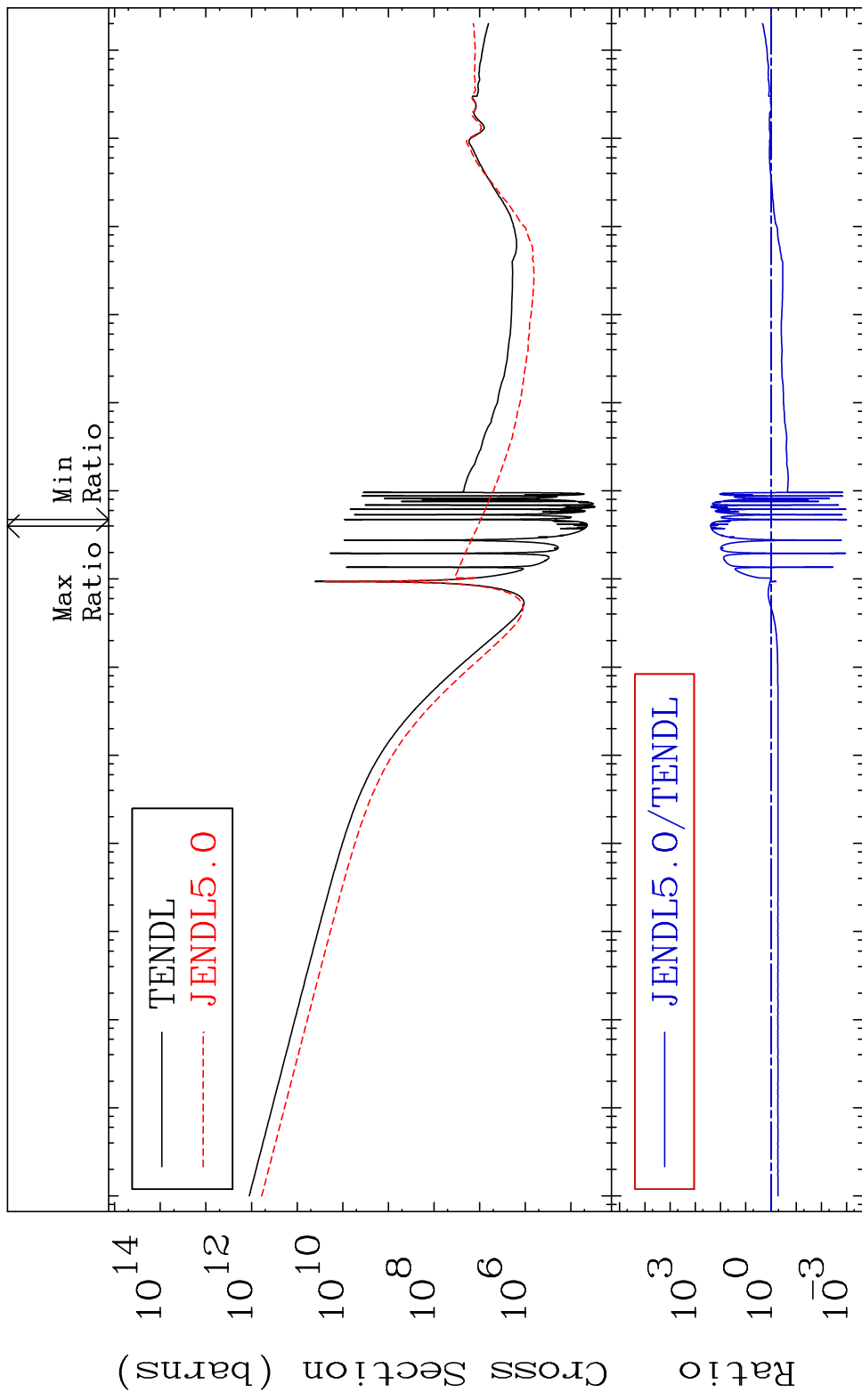


MAT 8025 Kerma capture (mt102) 80-Hg-196  
 Cross Section -100.0 To 9999. %



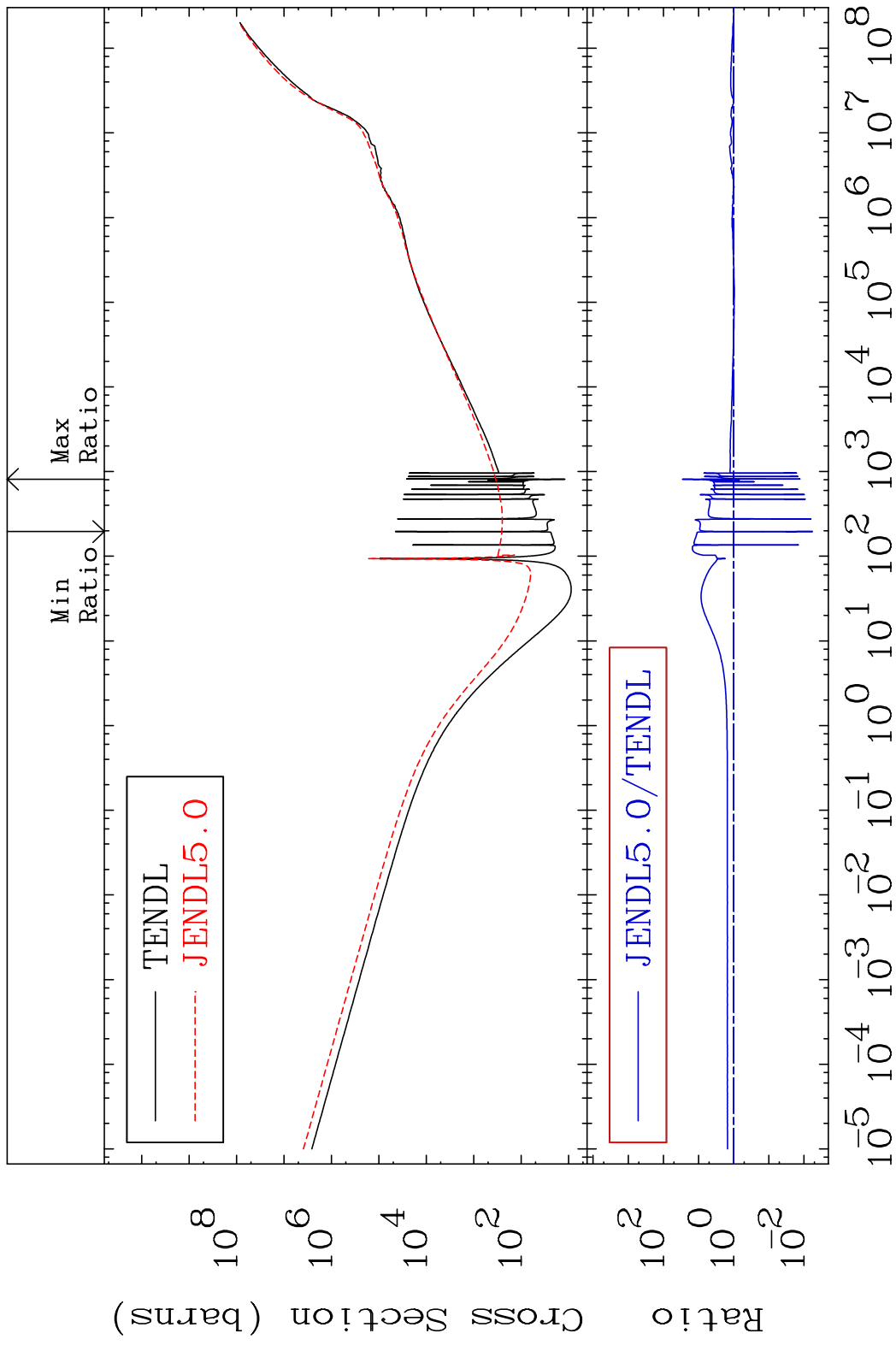
49 Incident Energy (eV) 80-Hg-196

MAT 8025 Total photon (eV-barns) 80-Hg-196  
 Cross Section -99.90 To 9999. %

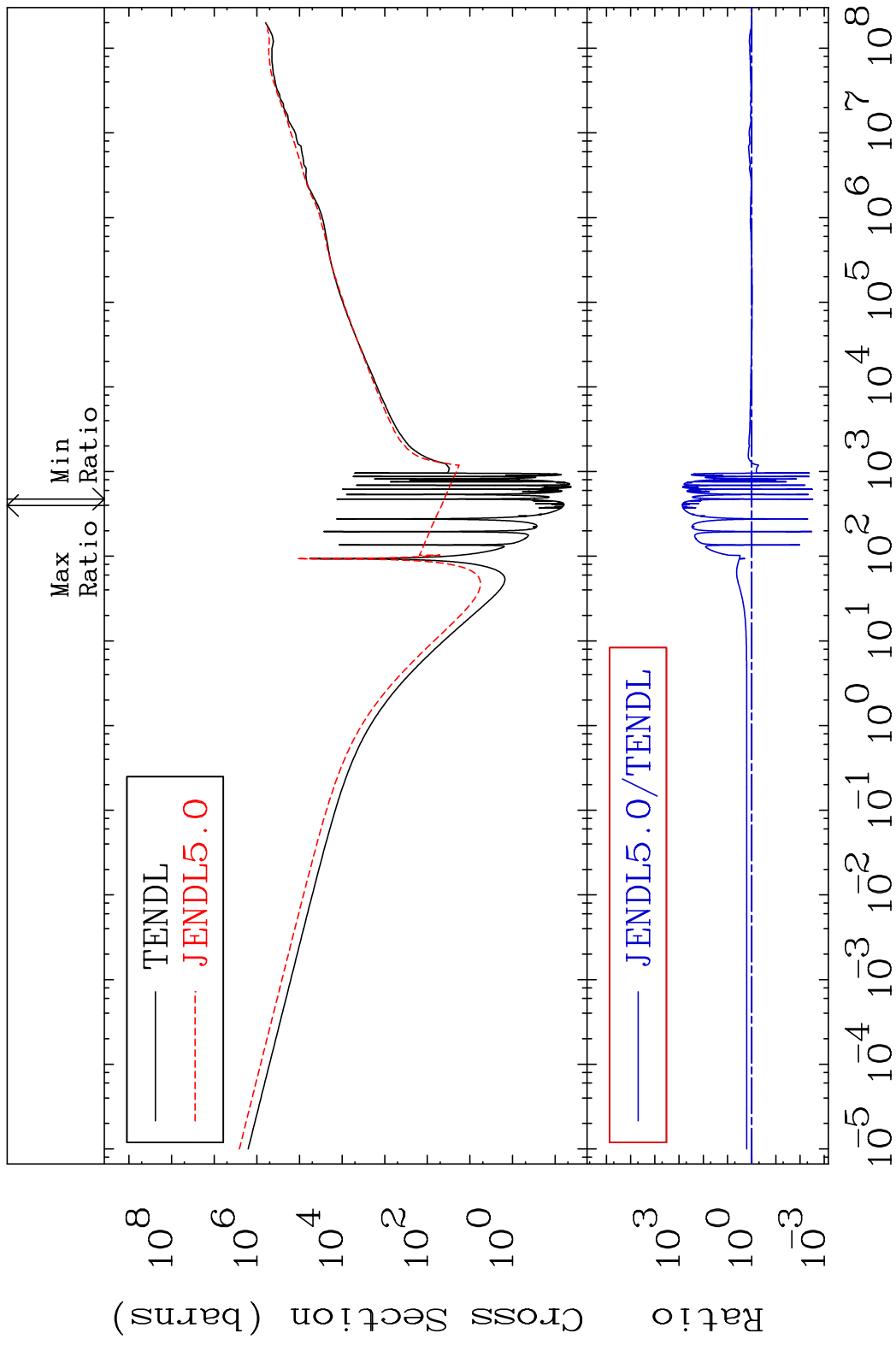


50 Incident Energy (eV) 80-Hg-196

MAT 8025 Total kinematic kerma (high limit) 80-Hg-196  
 Cross Section -99.43 To 2780. %



MAT 8025      Dpa total (eV-barns)      80-Hg-196  
 Cross Section      -99.69 To 9999. %



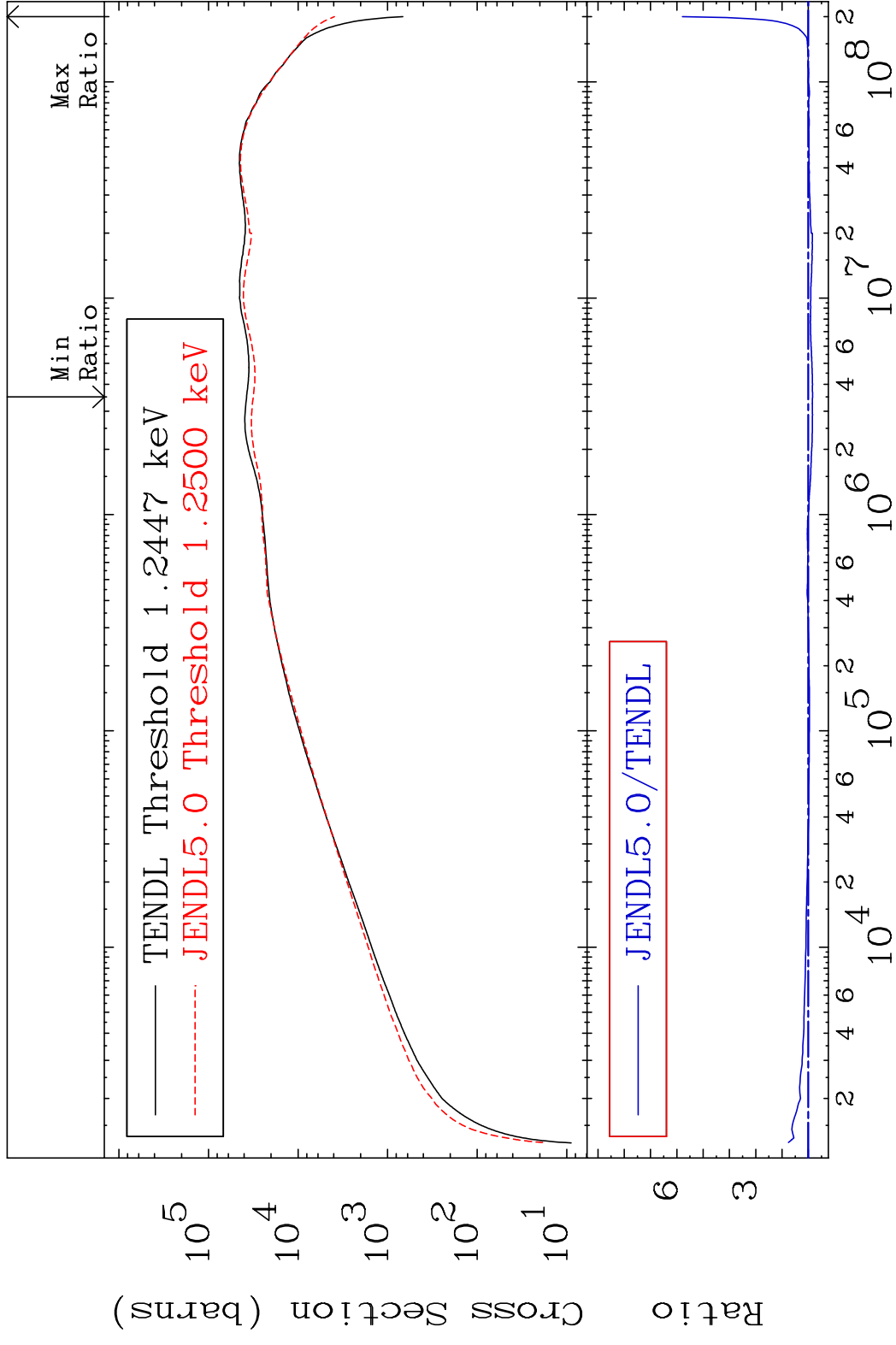
MAT 8025

Dpa elastic (mt2)

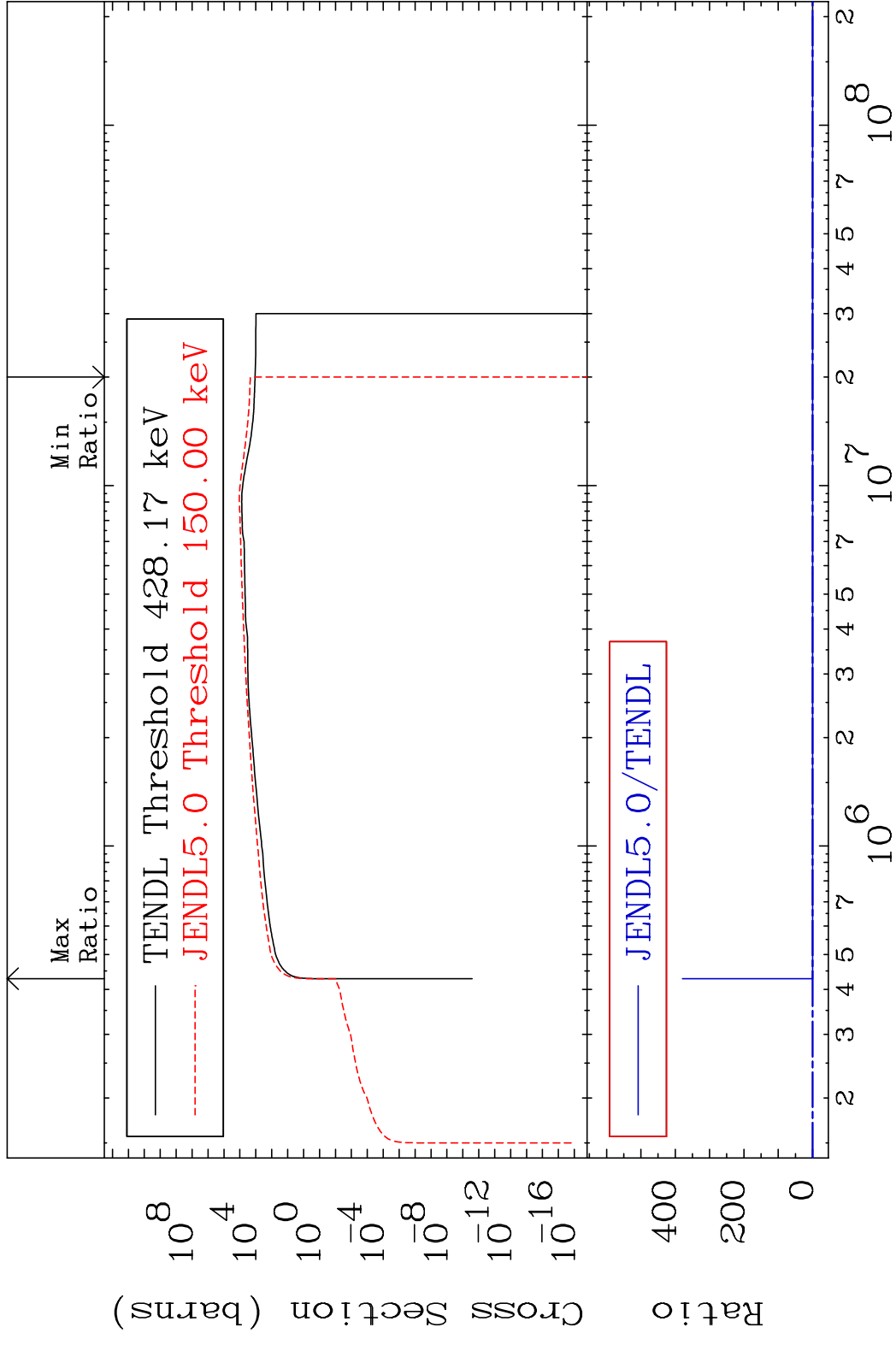
80-Hg-196

Cross Section

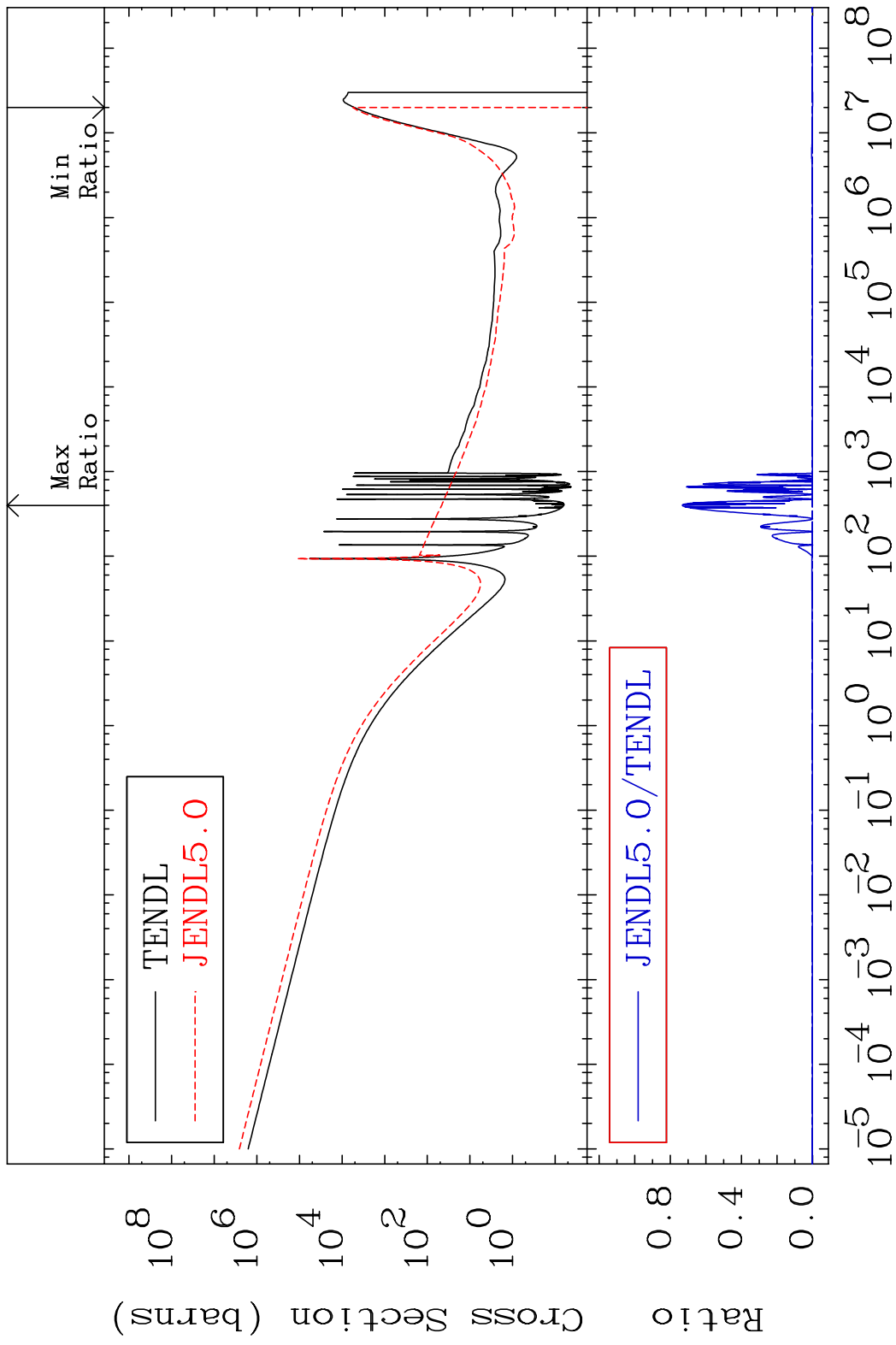
-15.98 To 479.0 %



MAT 8025 Dpa inelastic (mt51-91) 80-Hg-196  
 Cross Section -100.0 To 9999. %



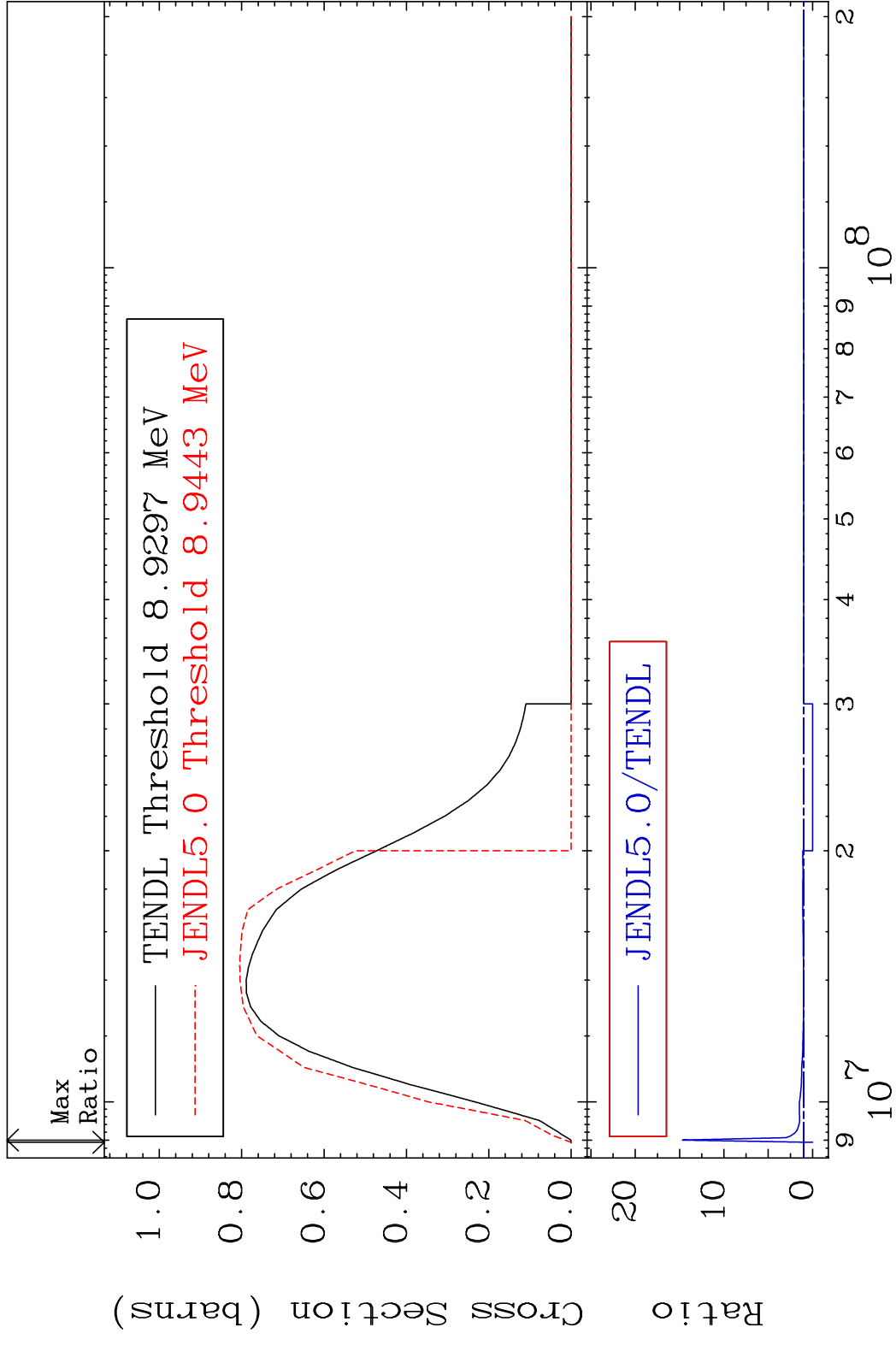
MAT 8025 Dpa disappearance (mt102 -120) 80-Hg-196  
 Cross Section -100.0 To 9999. %



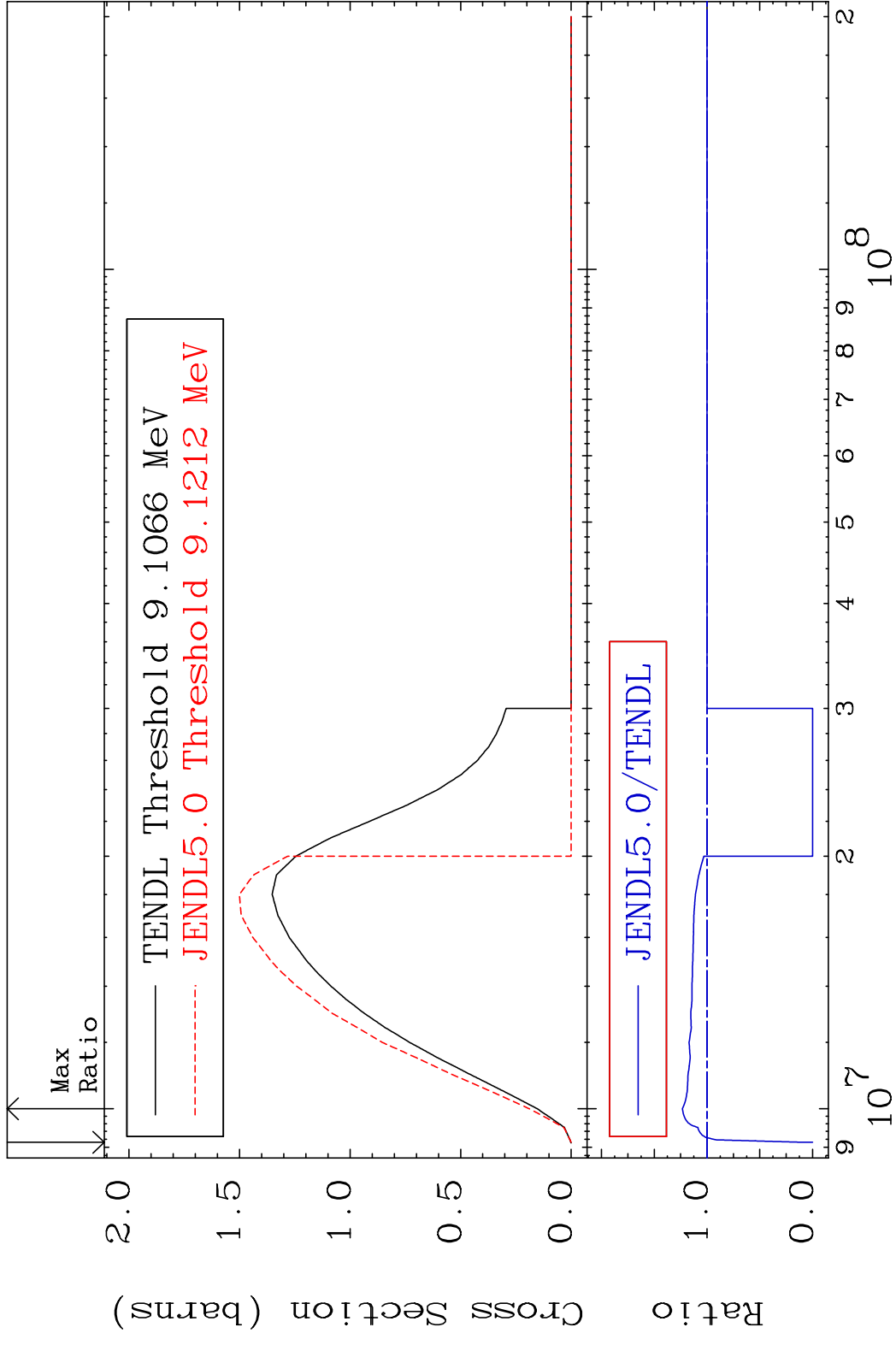
55 Incident Energy (eV) 80-Hg-196

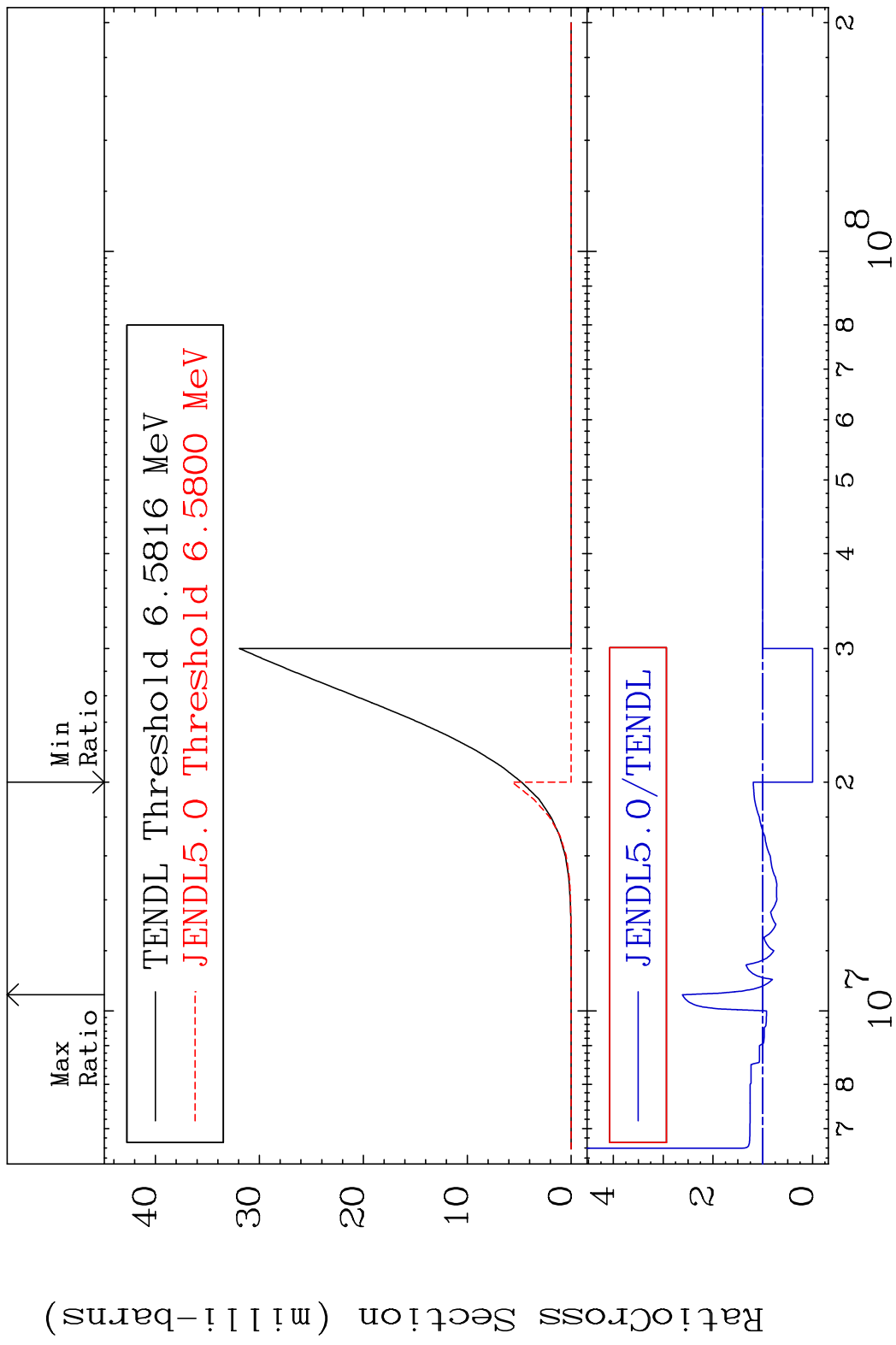


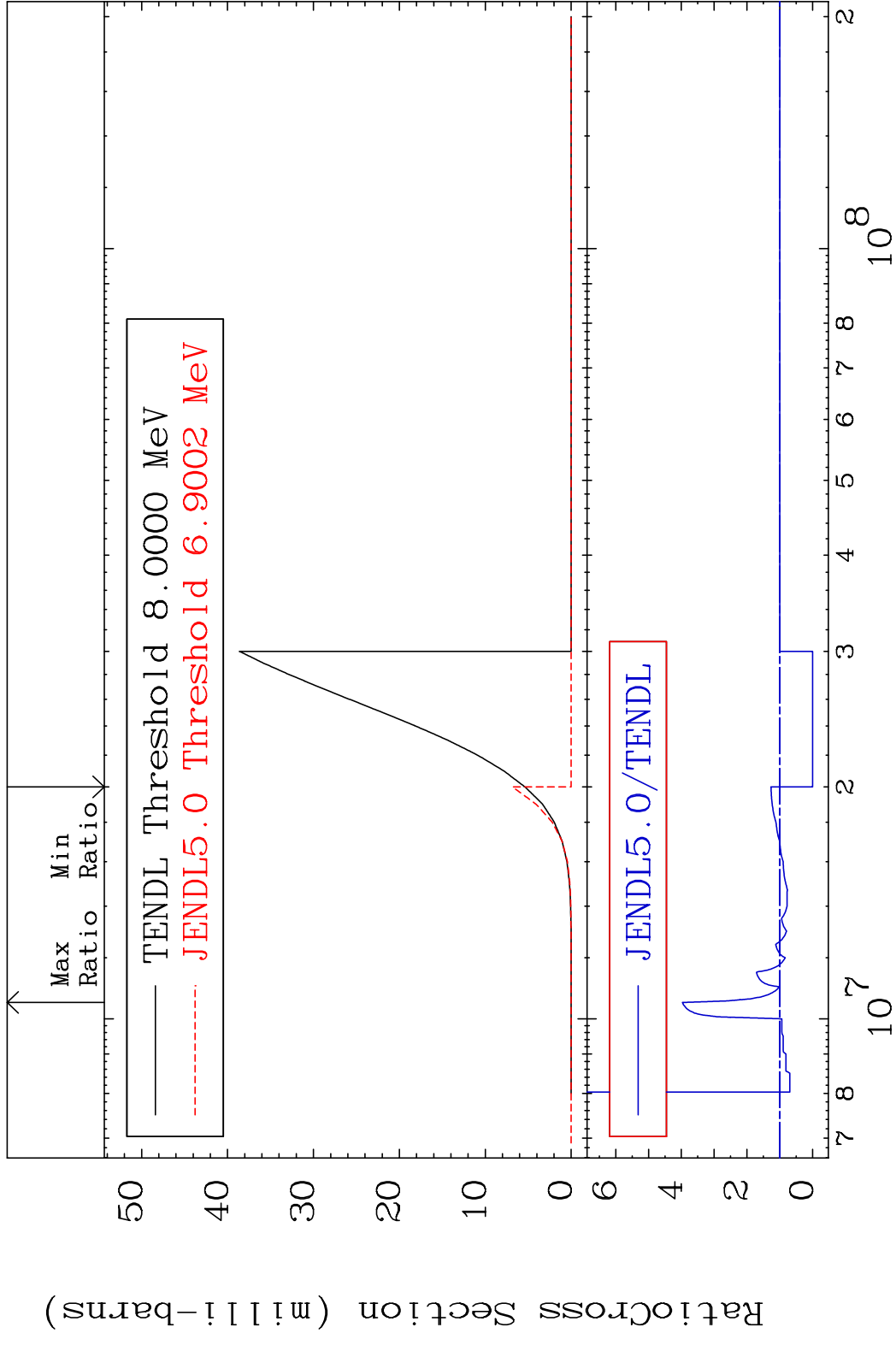
MAT 8025 (n,2n):80-Hg-195g 80-Hg-196  
 Radionuclide Production Cross Section 1369. %

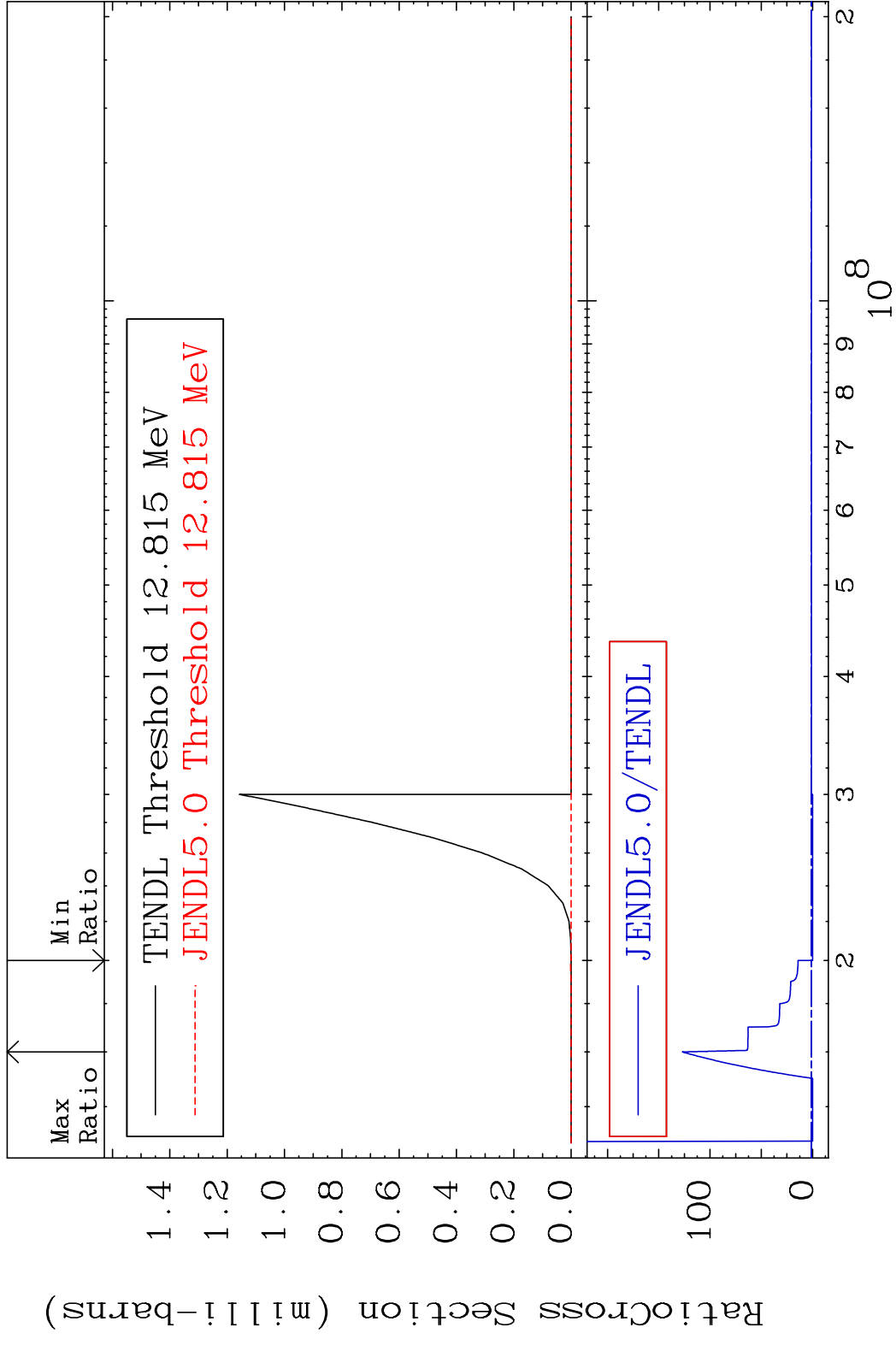


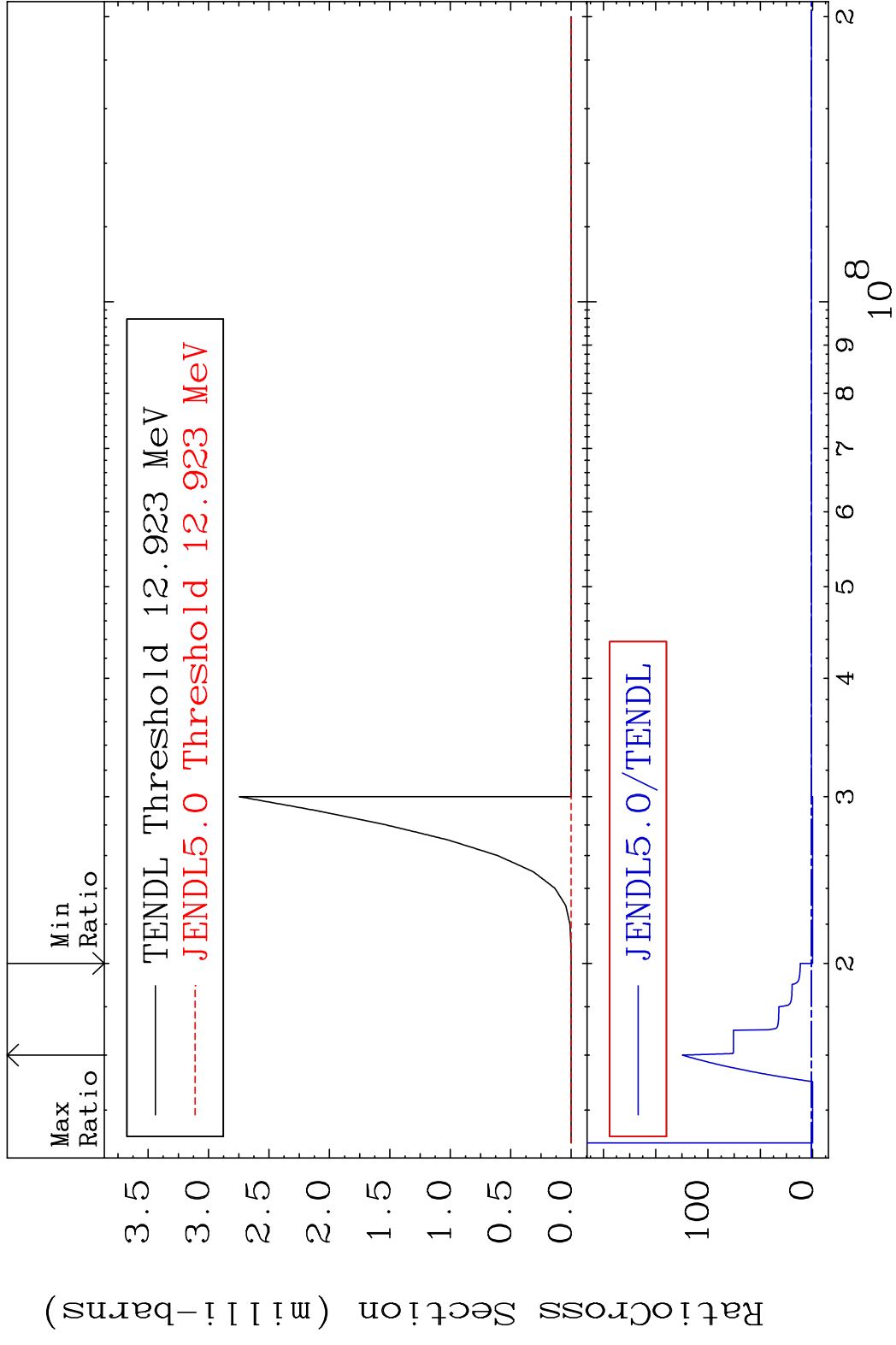
MAT 8025 (n,2n):80-Hg-195m3 80-Hg-196  
 Radionuclide Production Cross Section 180.01 dth 23.36 %

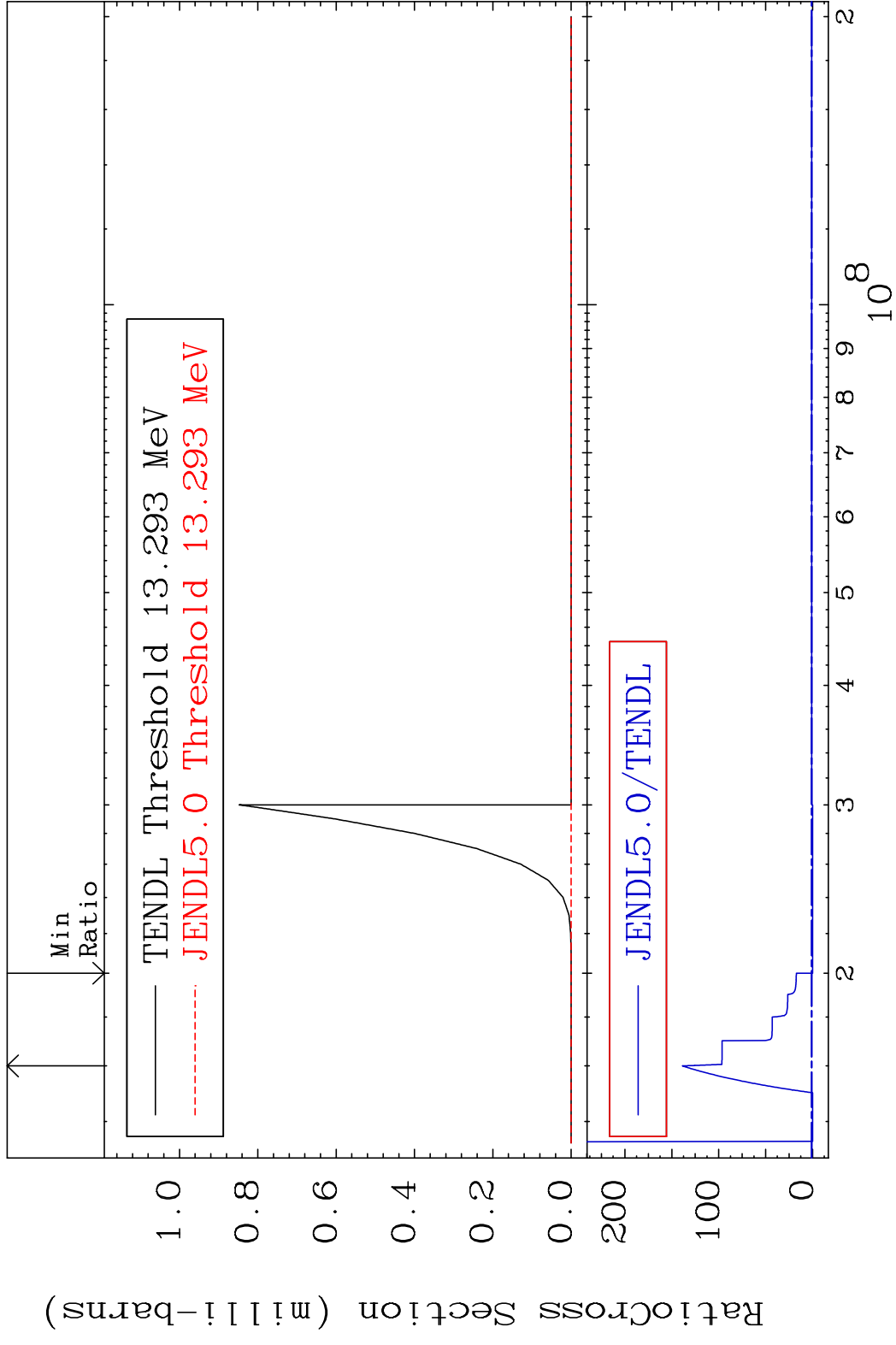


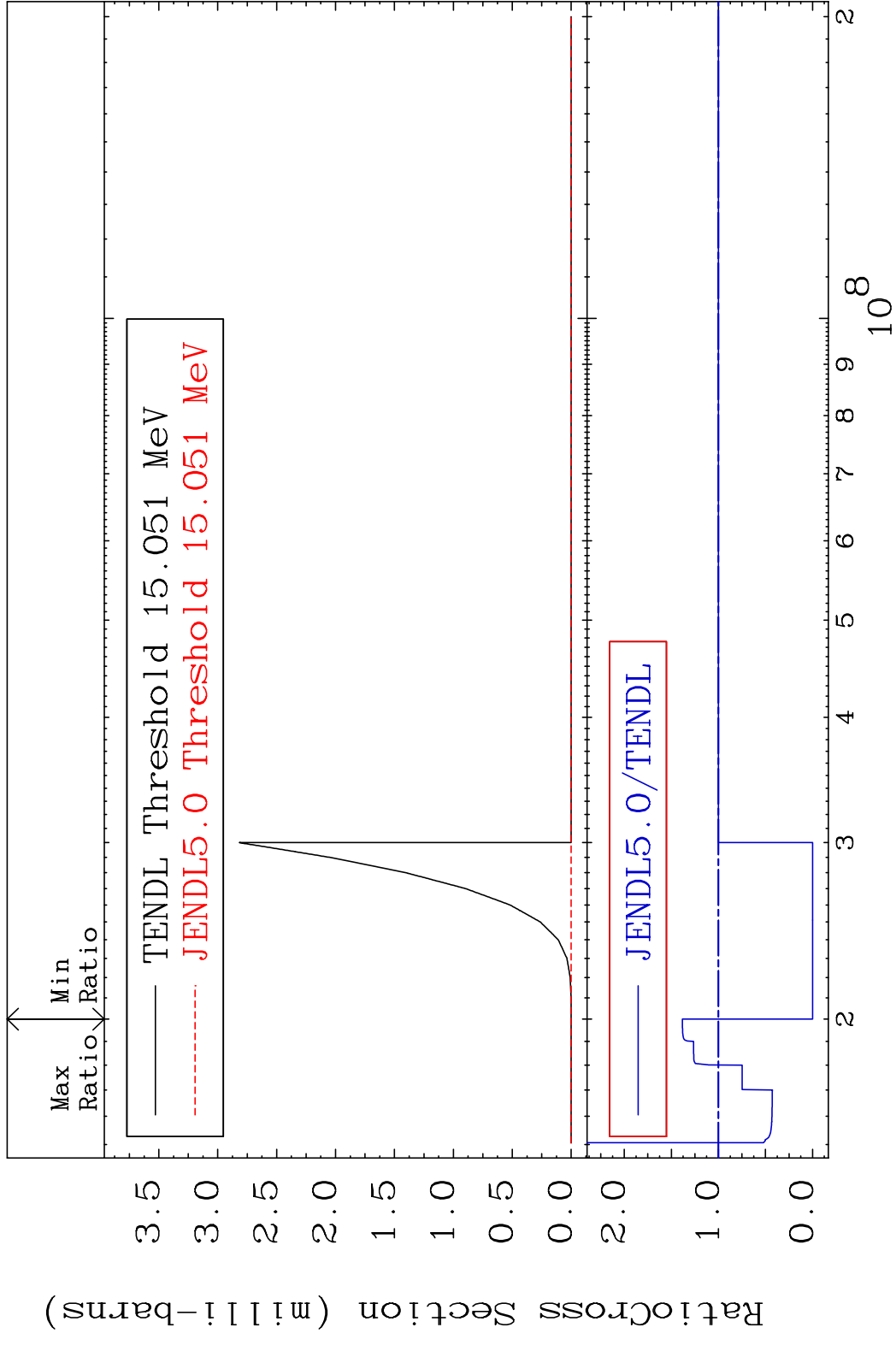




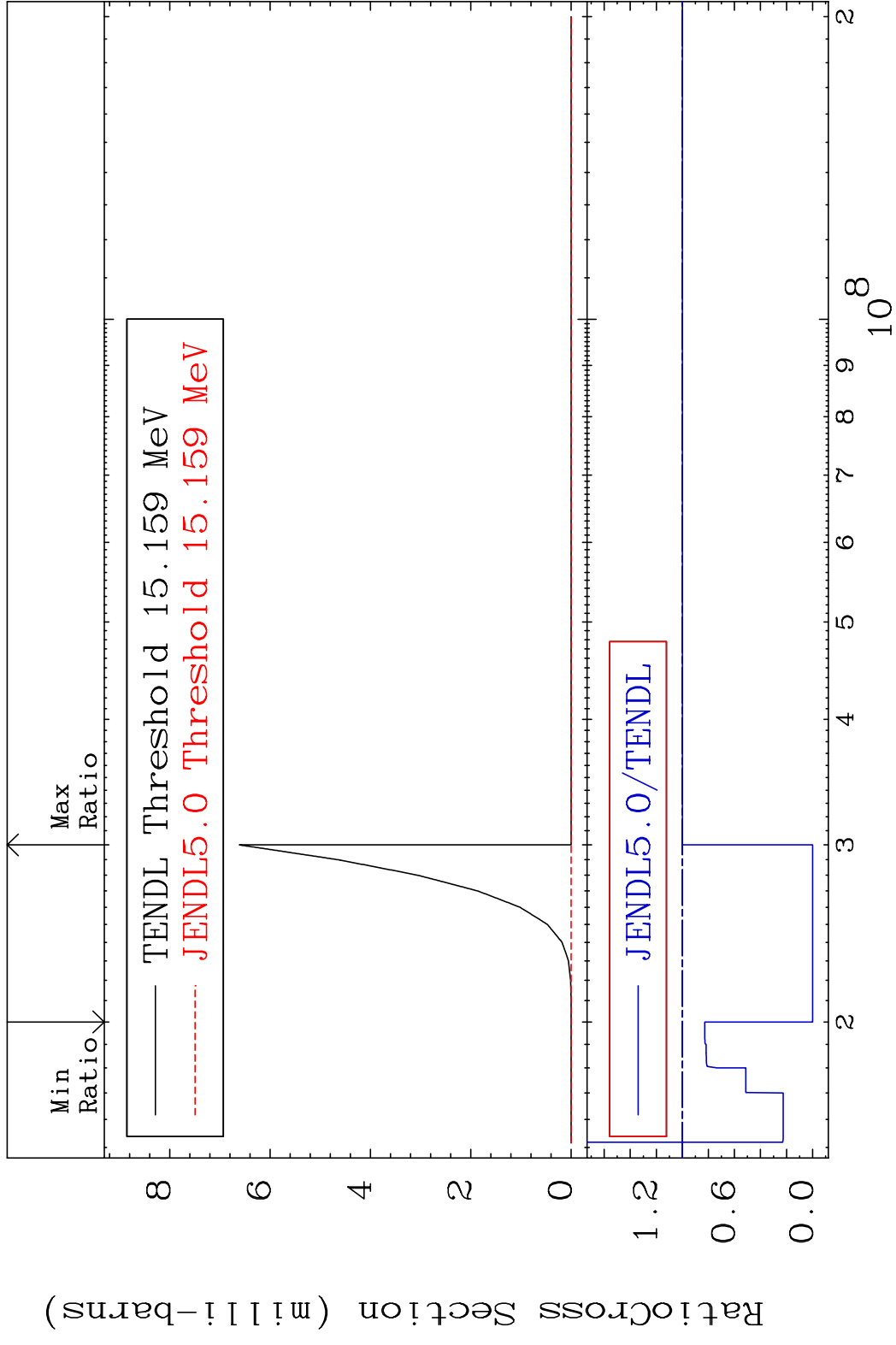




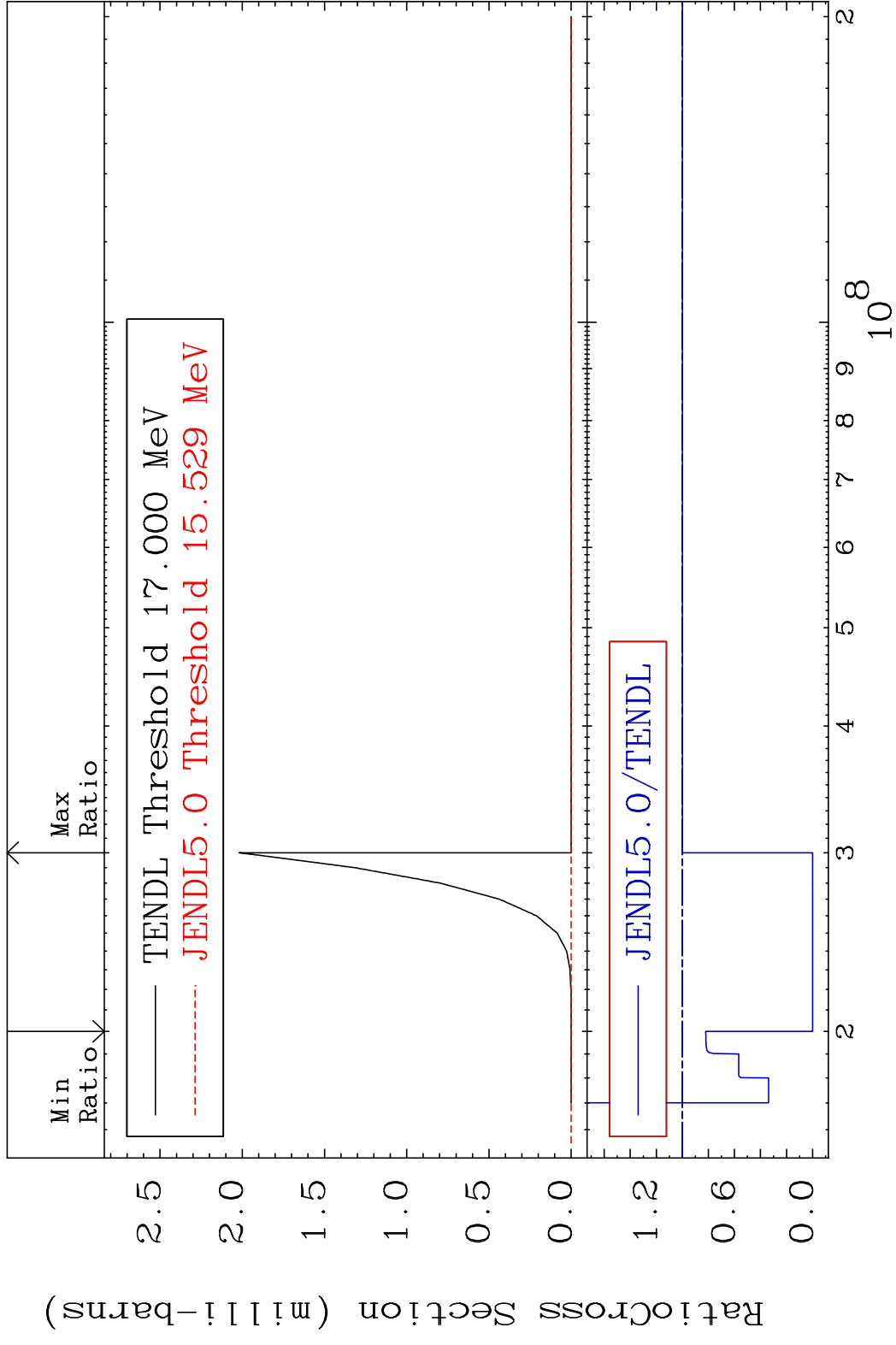


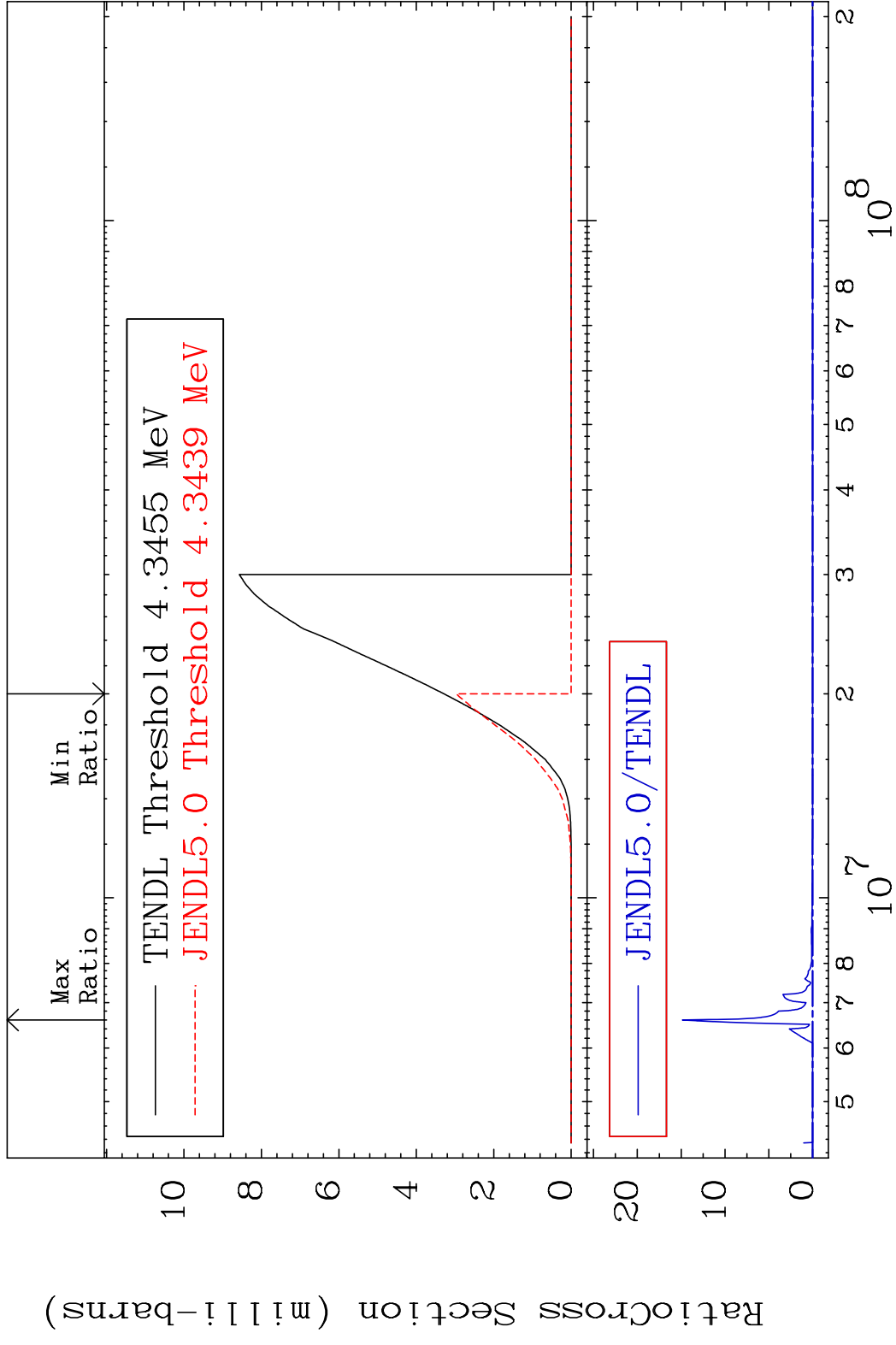




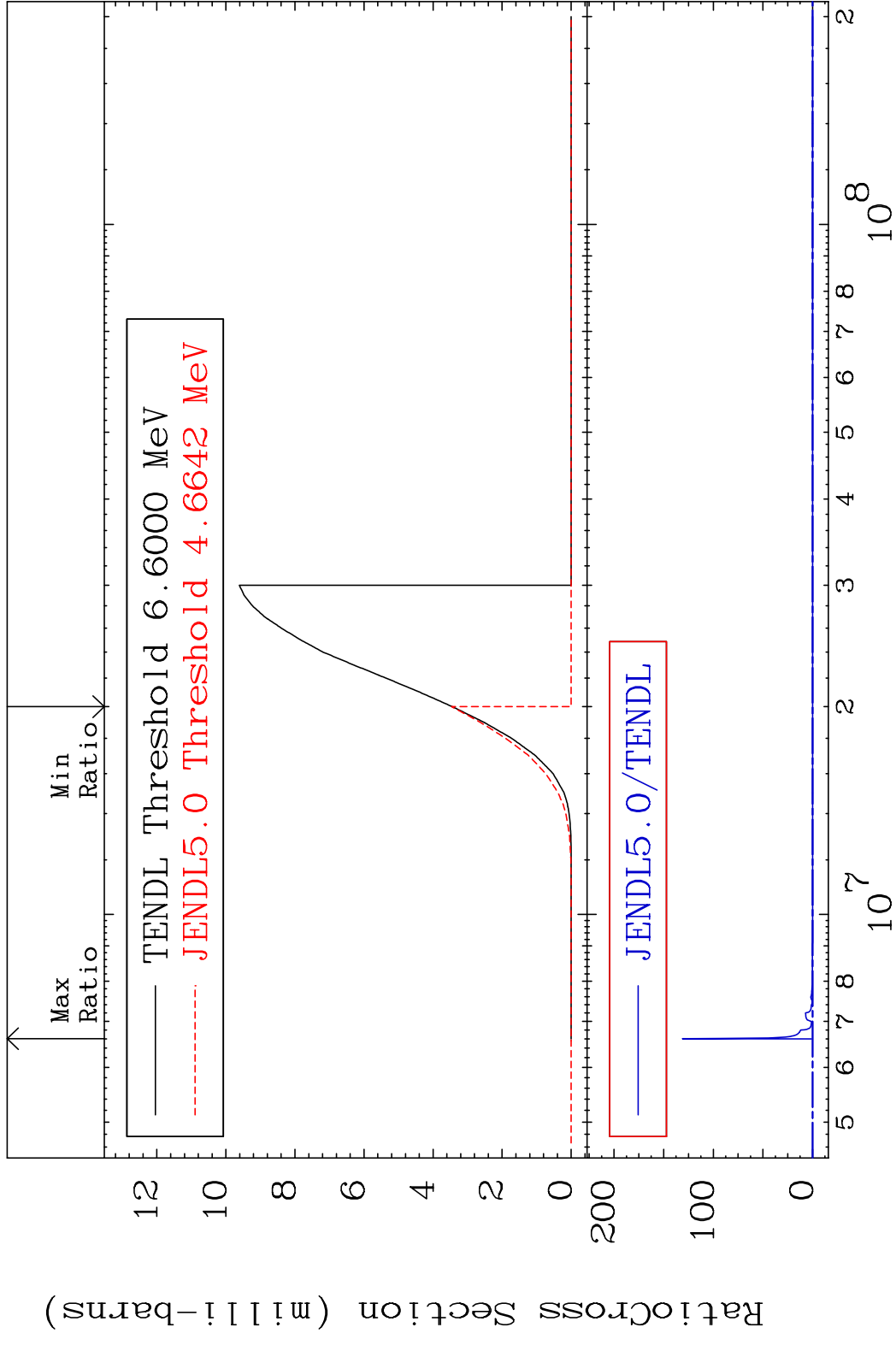


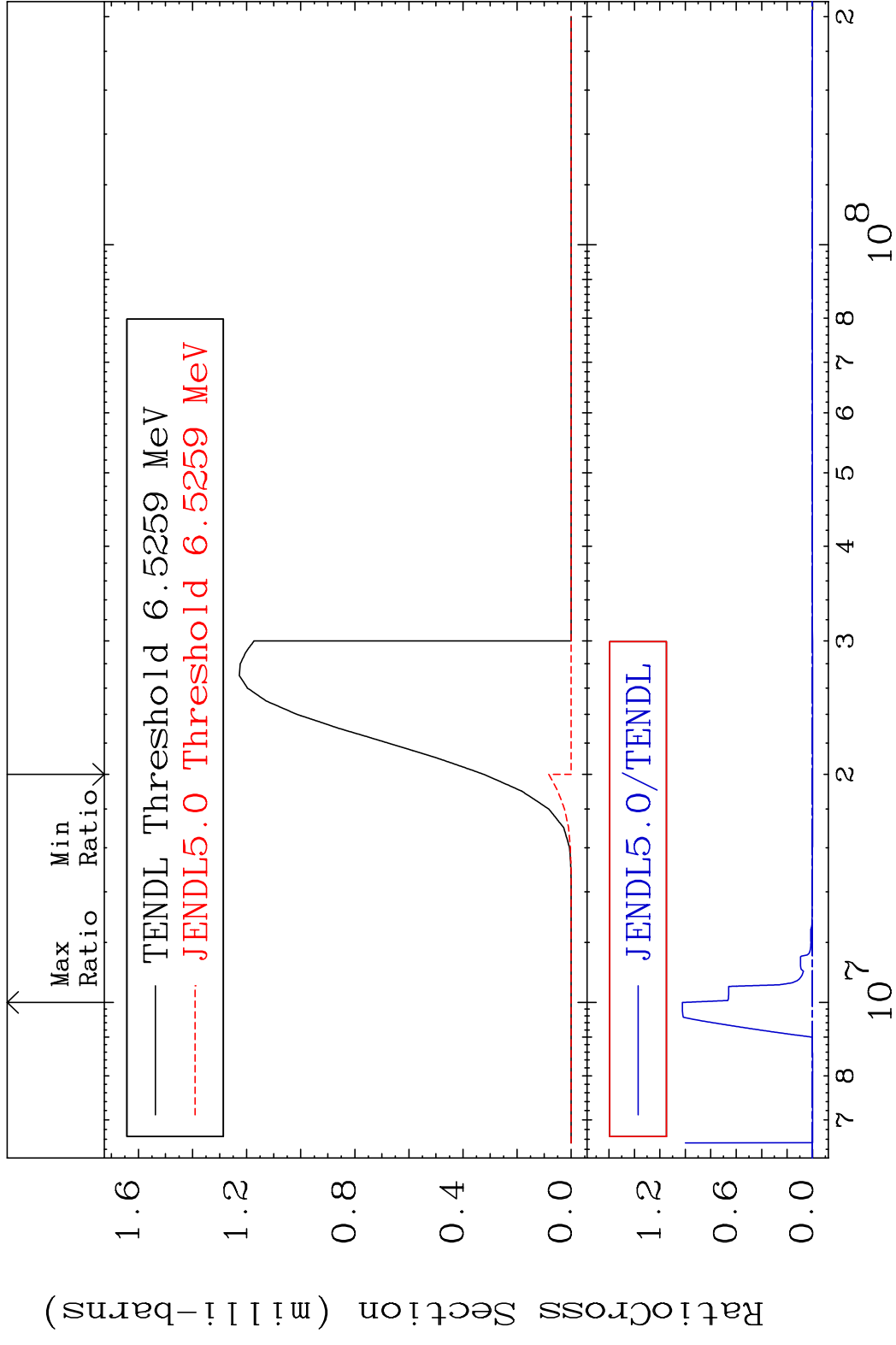
MAT 8025 (n,2n) p:79-Au-194m8 80-Hg-196  
 Radionuclide Production Cross Section Ratio 0.000 %



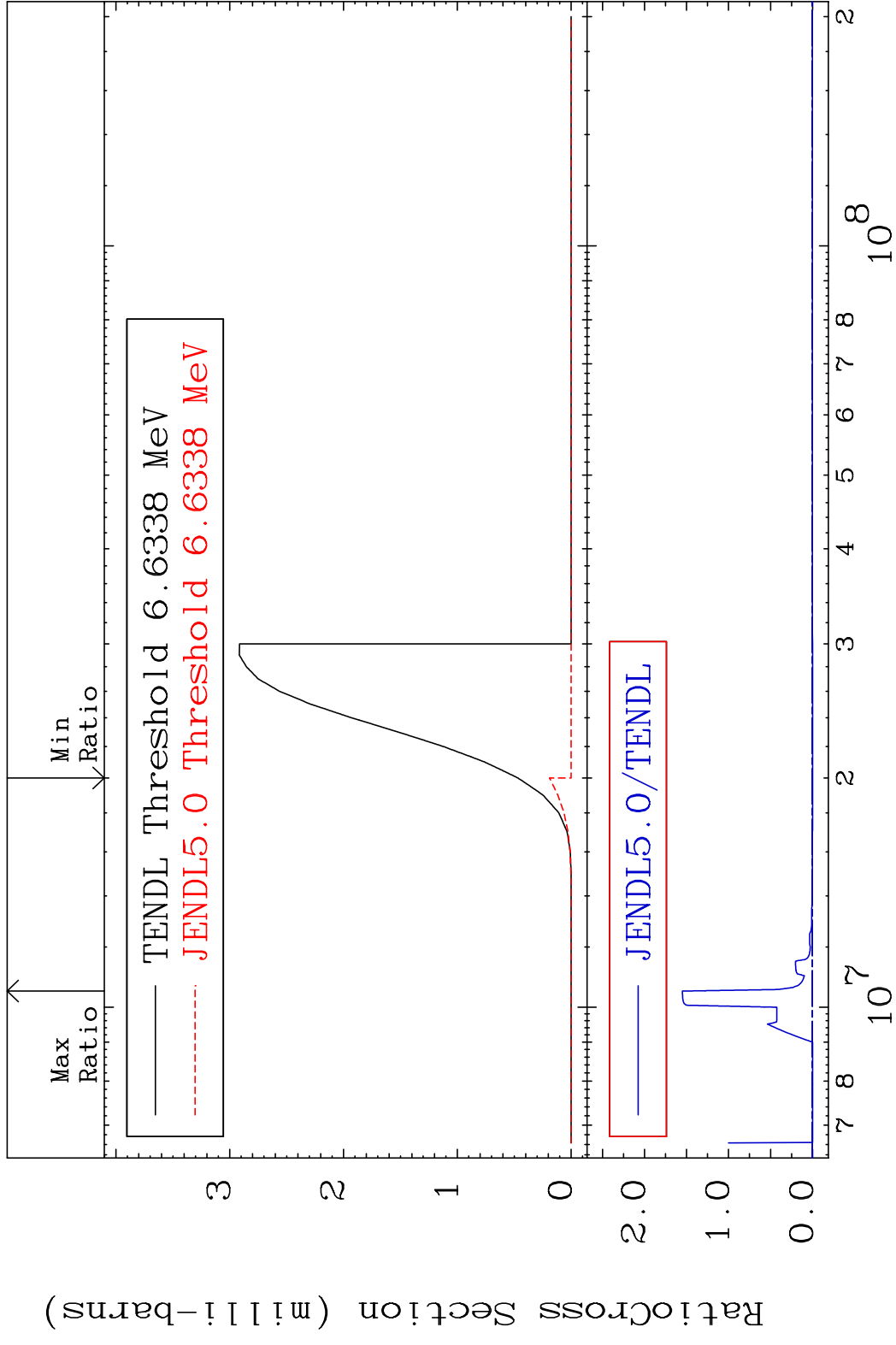


MAT 8025 (n, d):79-Au-195m4 80-Hg-196  
 Radionuclide Production Cross Section 100.00 dth 9999. %

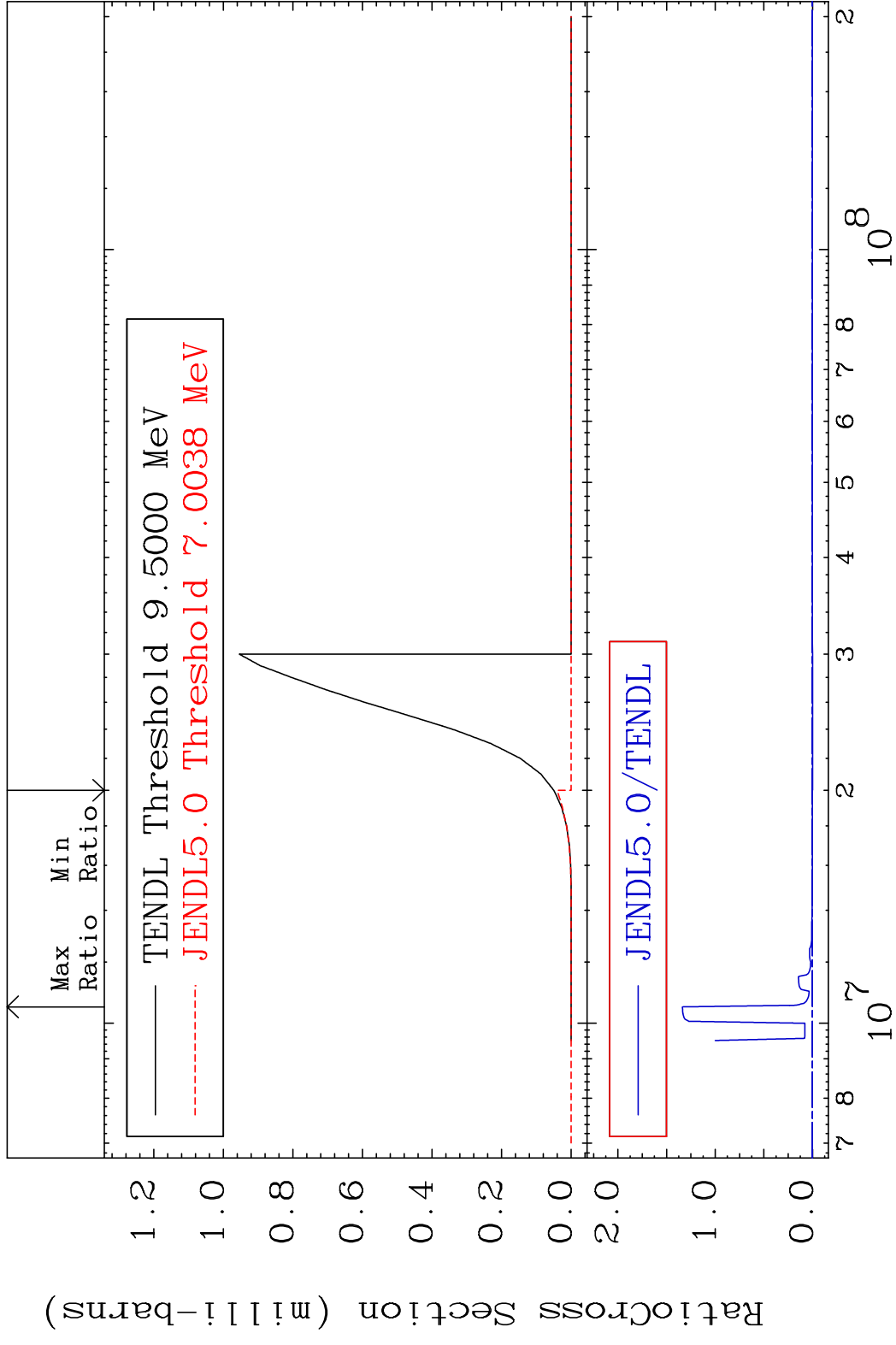




MAT 8025 (n, t): 79-Au-194m3 80-Hg-196  
 Radionuclide Production Cross Section Ratio 9999. %



MAT 8025 (n, t): 79-Au-194m8 80-Hg-196  
 Radionuclide Production Cross Section Ratio



70 Incident Energy (eV) 80-Hg-196