

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

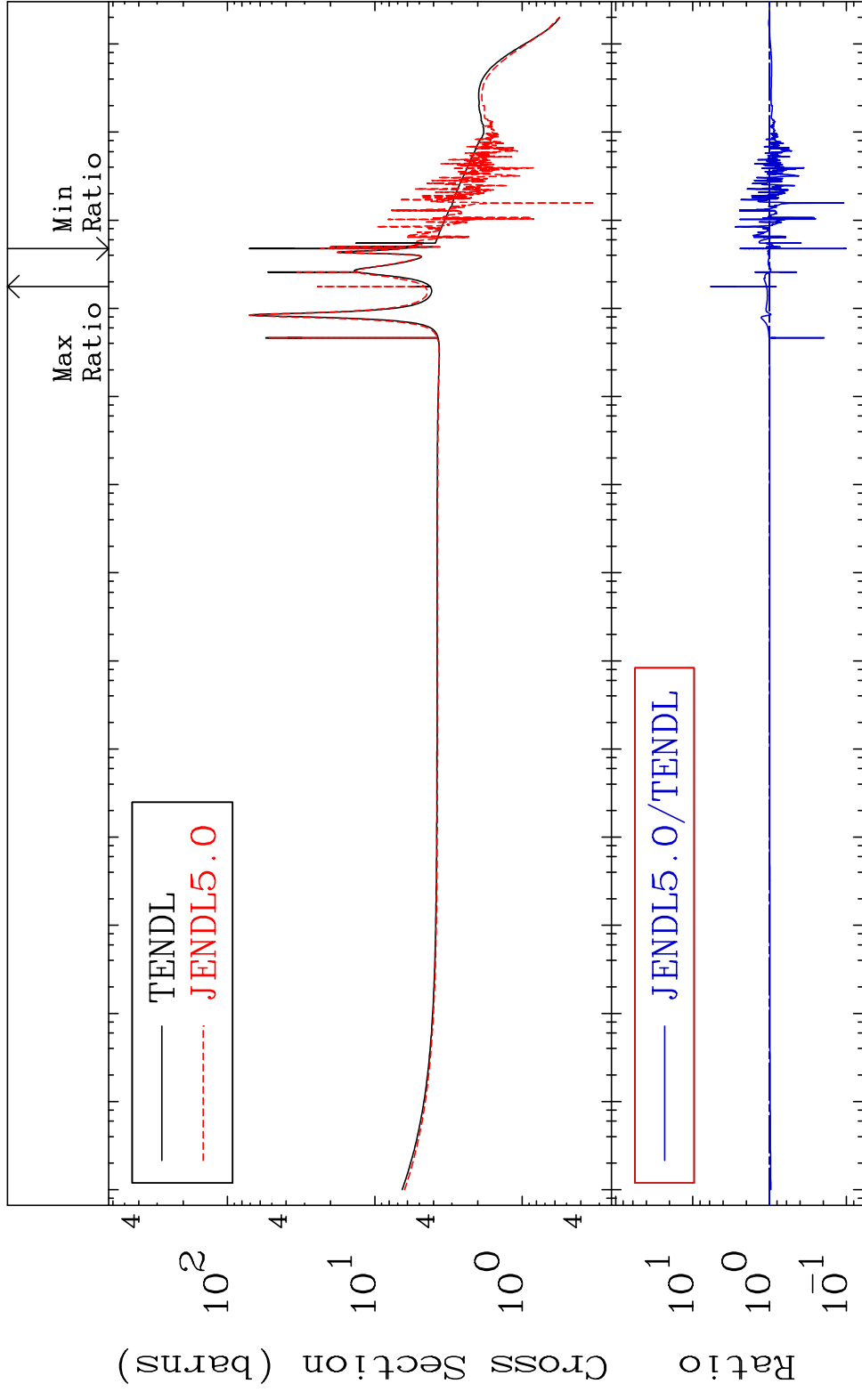
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 1225 Total 12-Mg-24
 Cross Section -89.99 To 481.5 %



1 Incident Energy (eV) 12-Mg-24

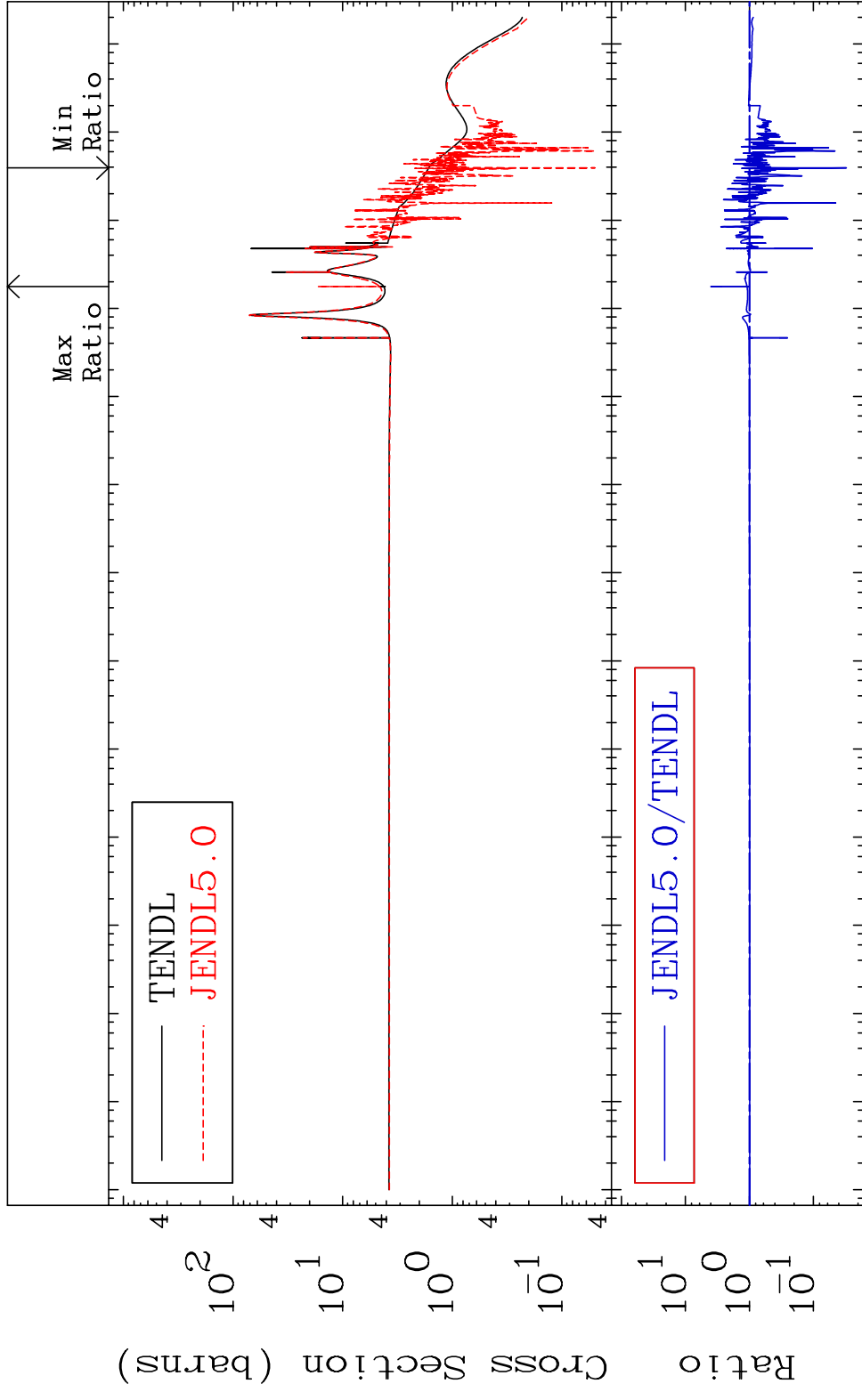
MAT 1225

Elastic

12-Mg-24

Cross Section

-96.95 To 302.2 %

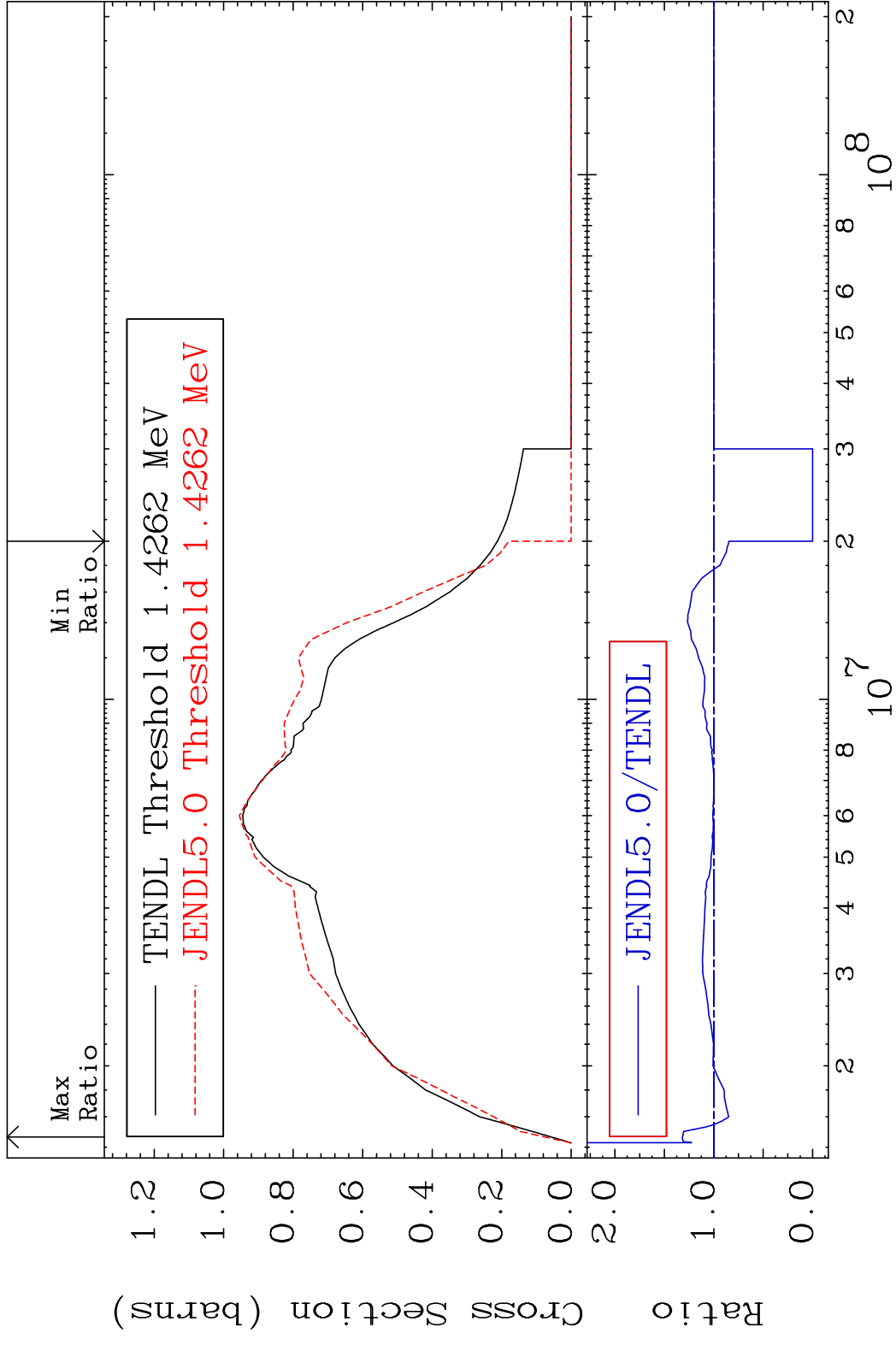


2

Incident Energy (eV)

12-Mg-24

MAT 1225 Inelastic 12-Mg-24
 Cross Section -100.0 To 31.78 %



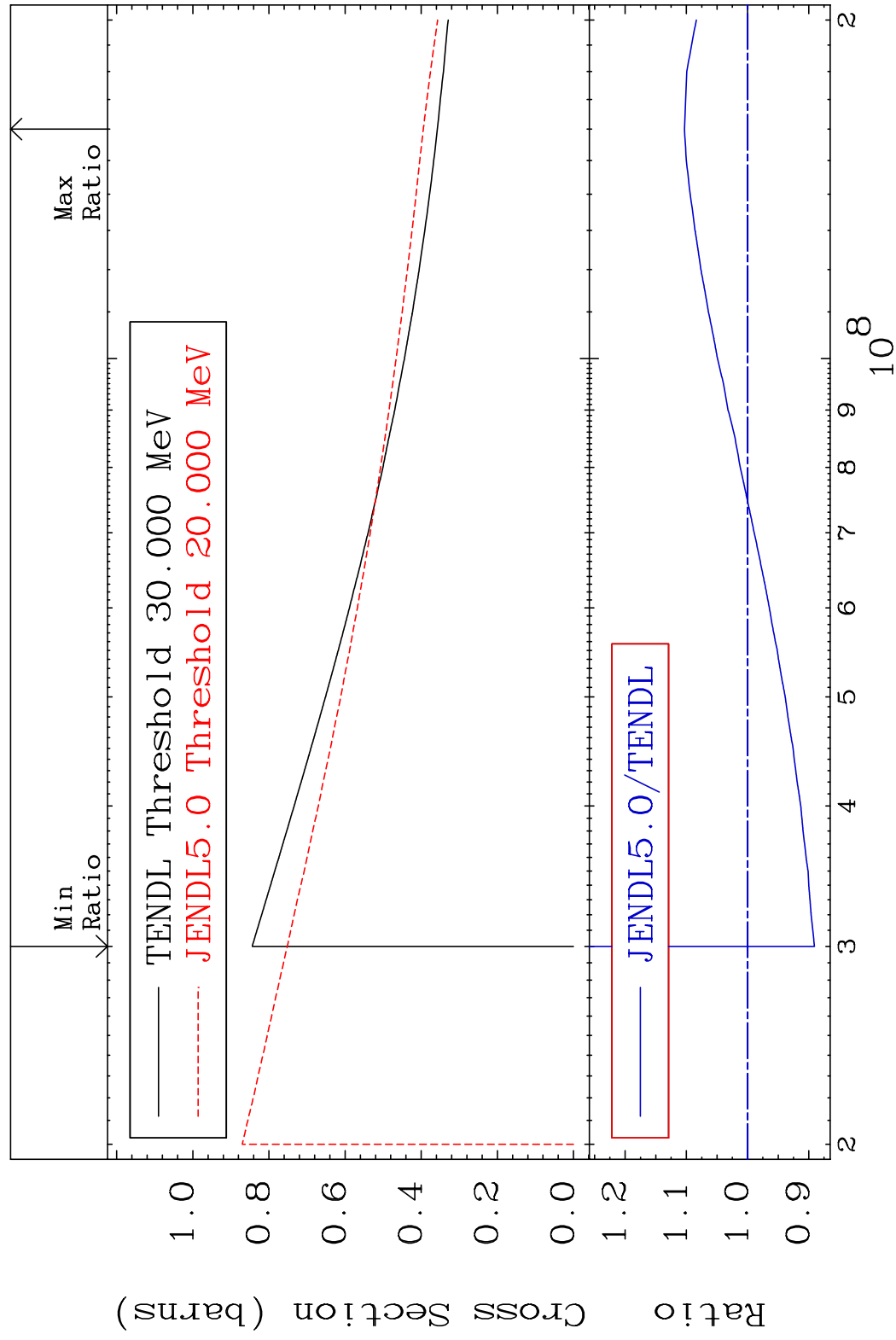
3 Incident Energy (eV) 12-Mg-24

MAT 1225

(n, remainder)

12-Mg-24

Cross Section -10.91 To 10.32 %

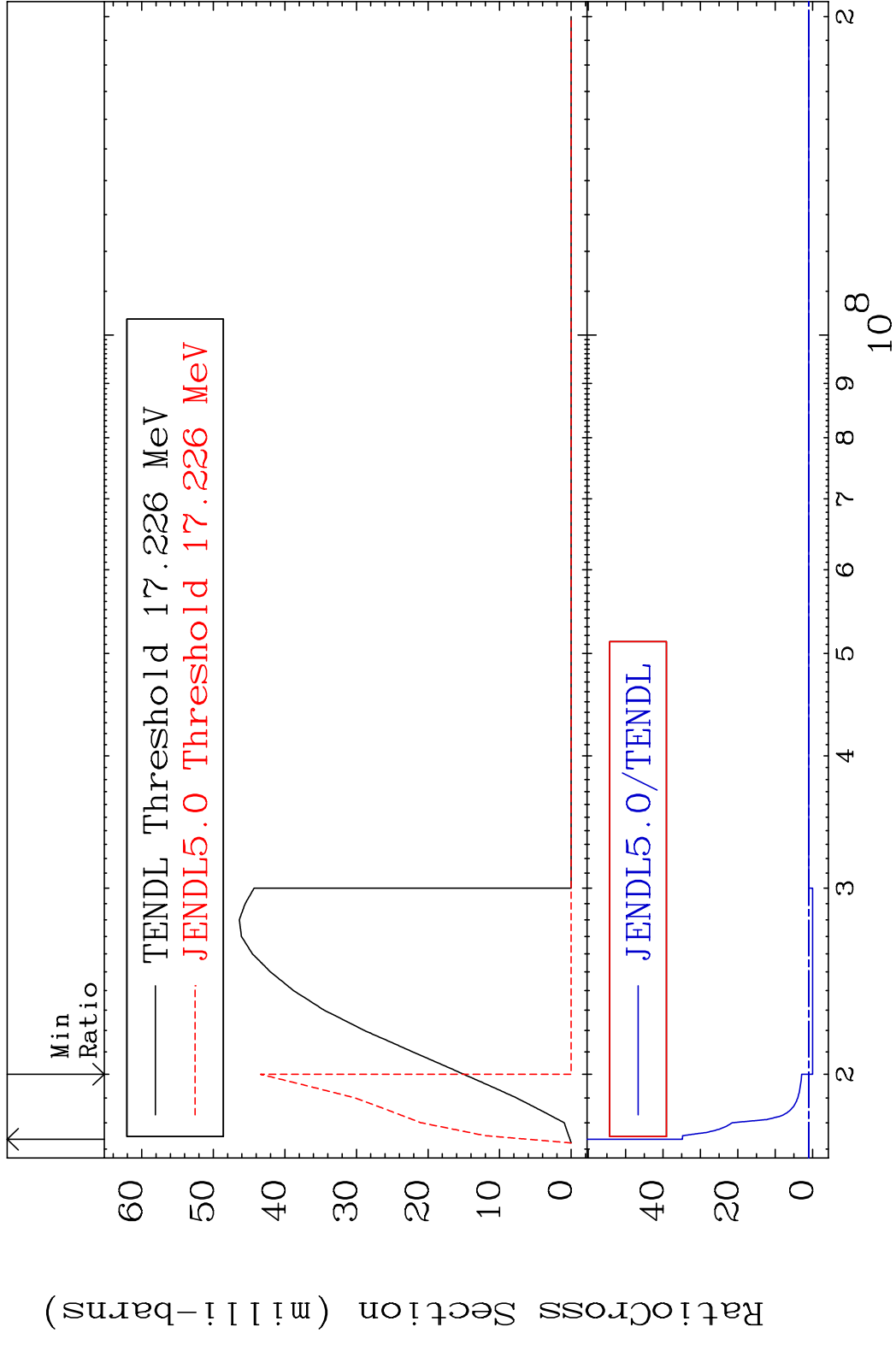


4

Incident Energy (eV)

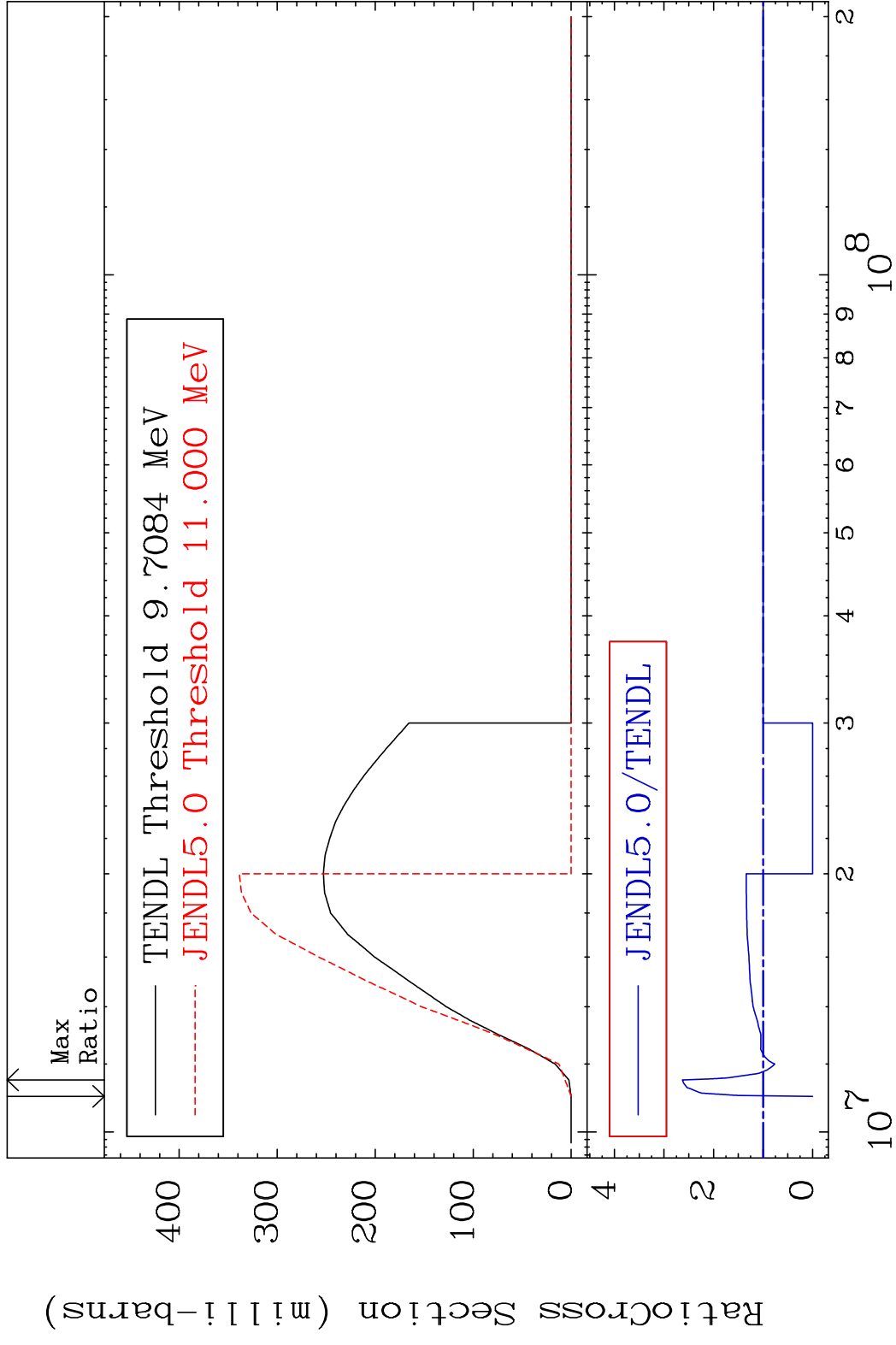
12-Mg-24

MAT 1225 (n,2n) 12-Mg-24
 Cross Section -100.0 To 3380. %



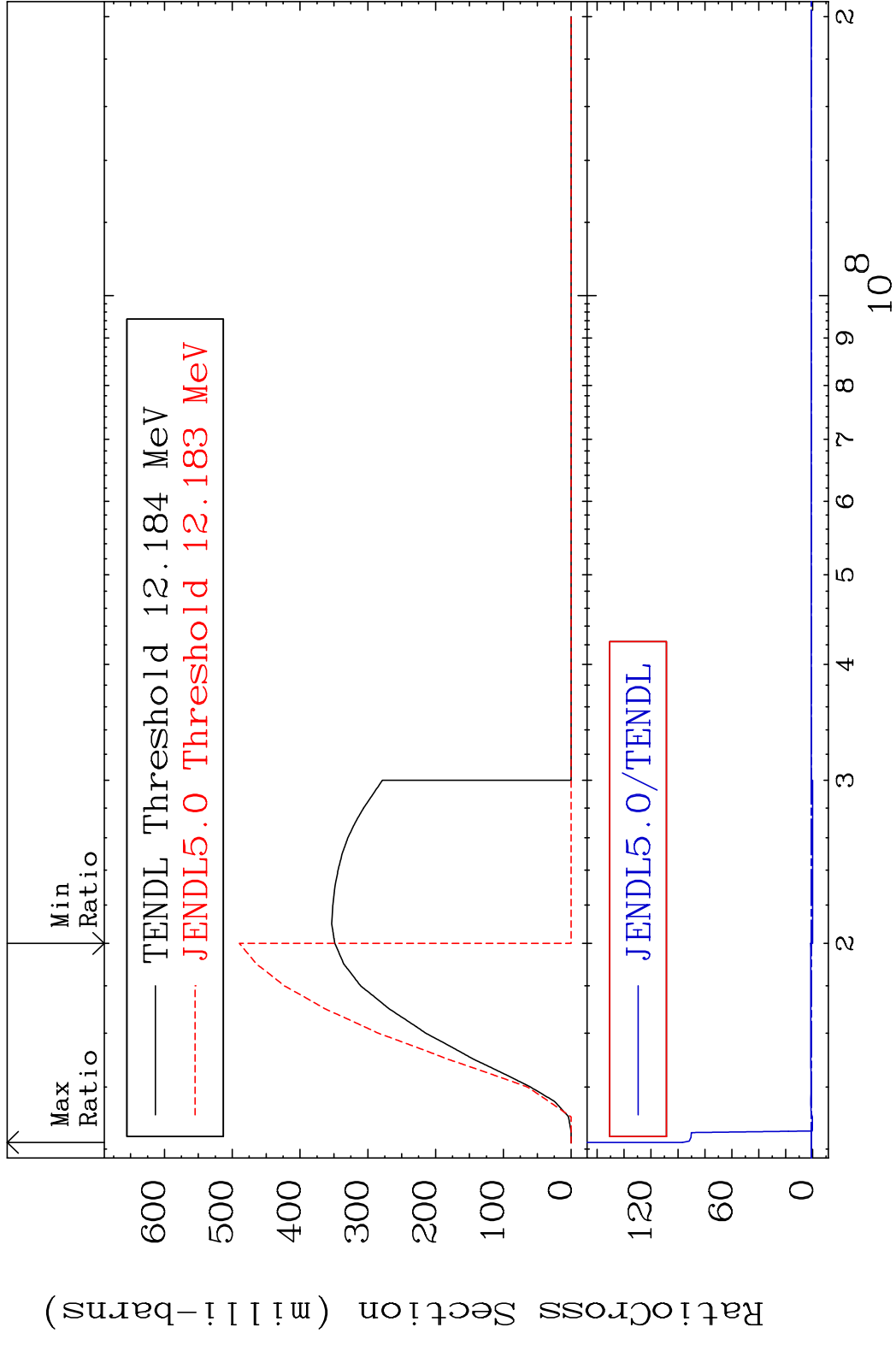
5 12-Mg-24

MAT 1225 (n, n') α 12-Mg-24
 Cross Section -100.0 To 163.0 %

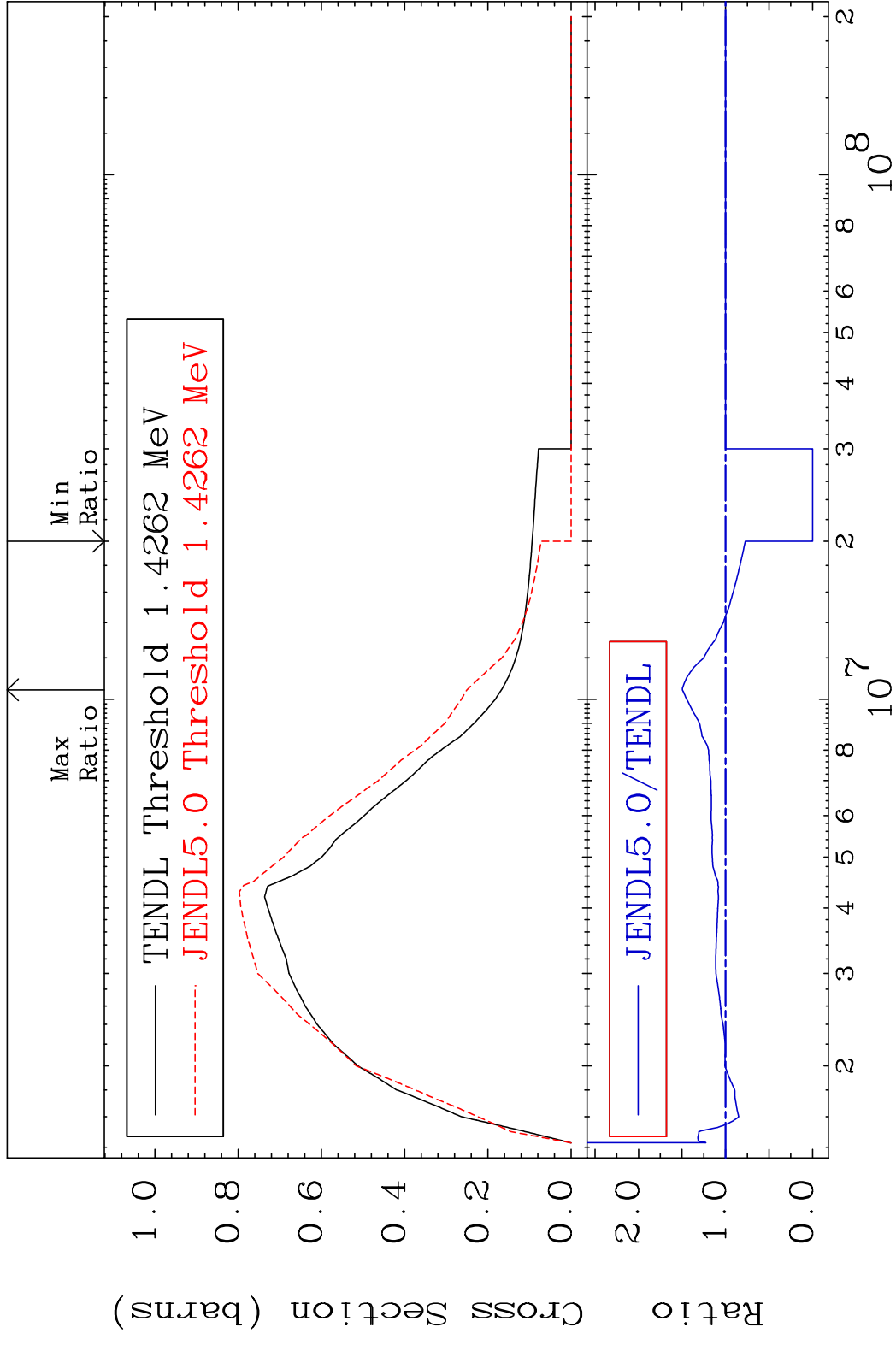


6 12-Mg-24

MAT 1225 (n, n') p 12-Mg-24
 Cross Section -100.0 To 9573. %

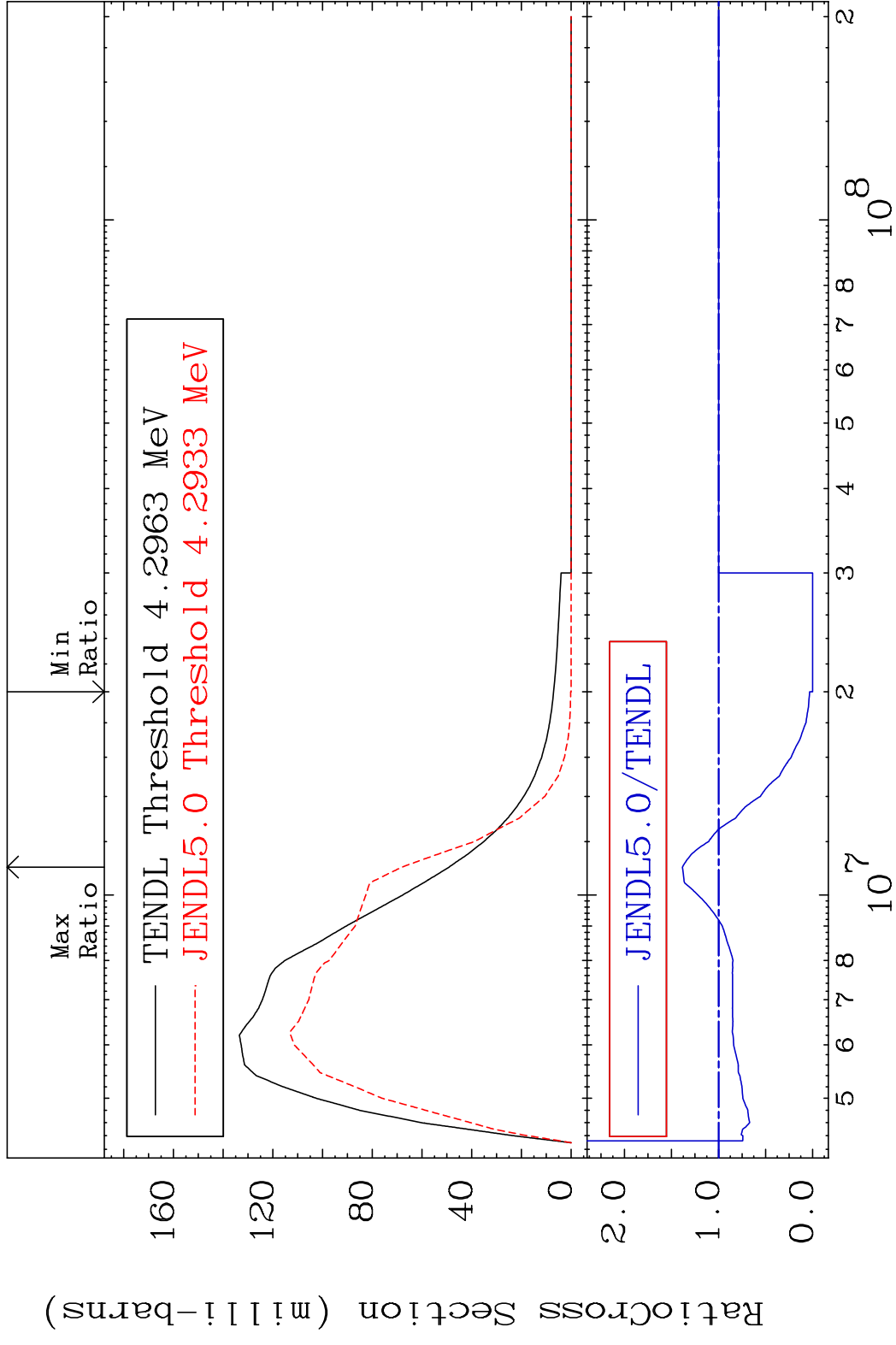


MAT 1225 MT= 51 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 49.62 %

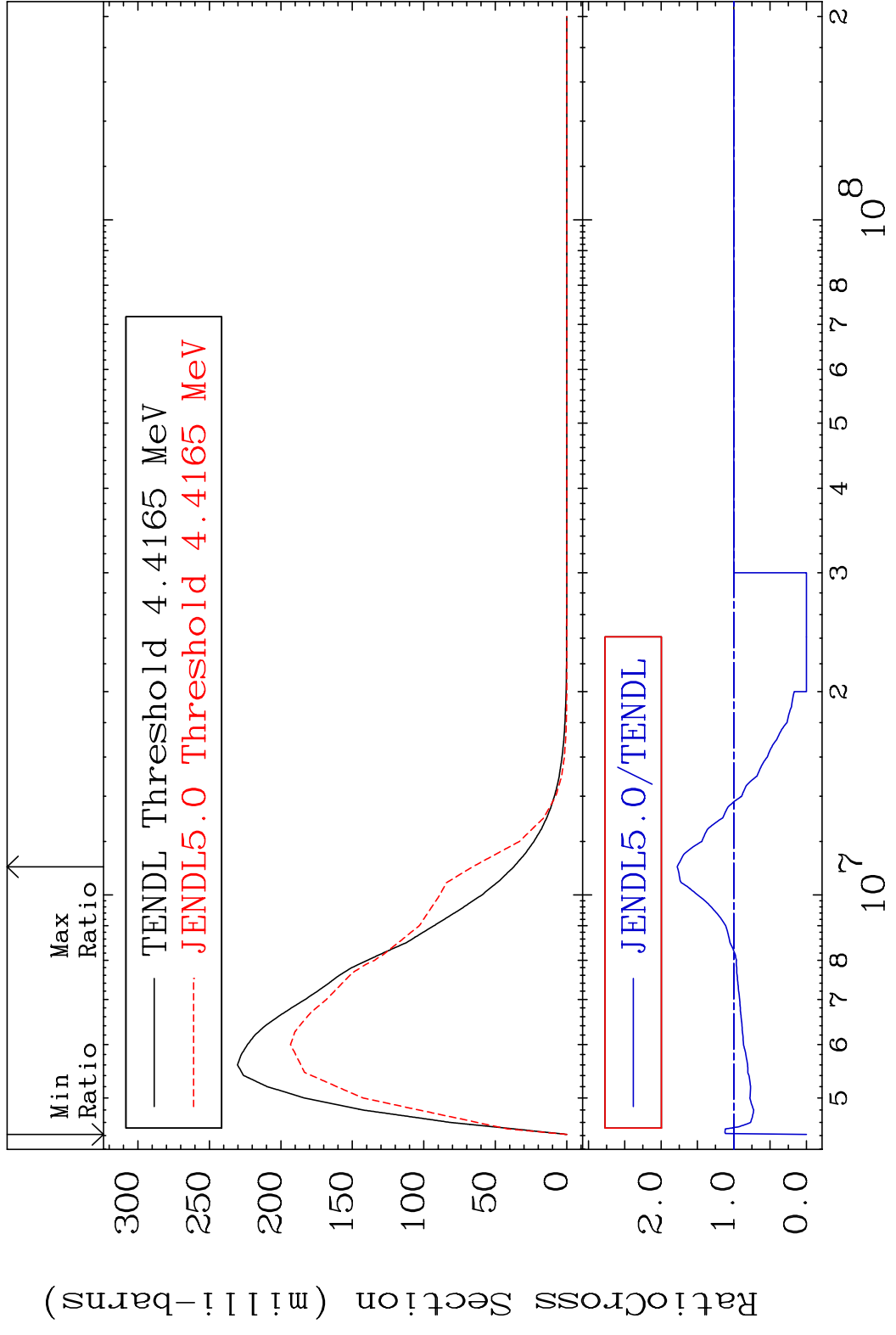


8 Incident Energy (eV) 12-Mg-24

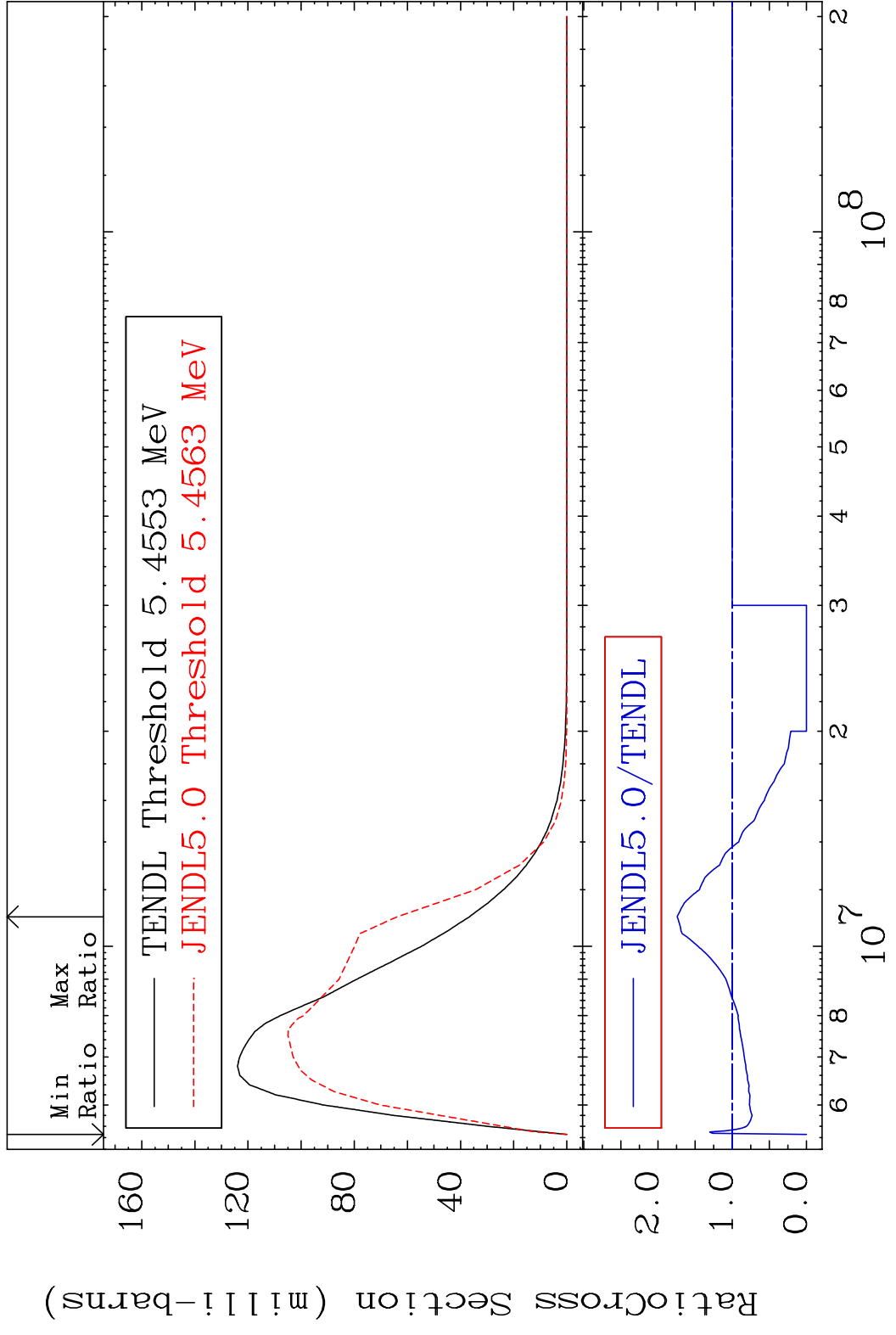
MAT 1225 MT= 52 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 38.50 %



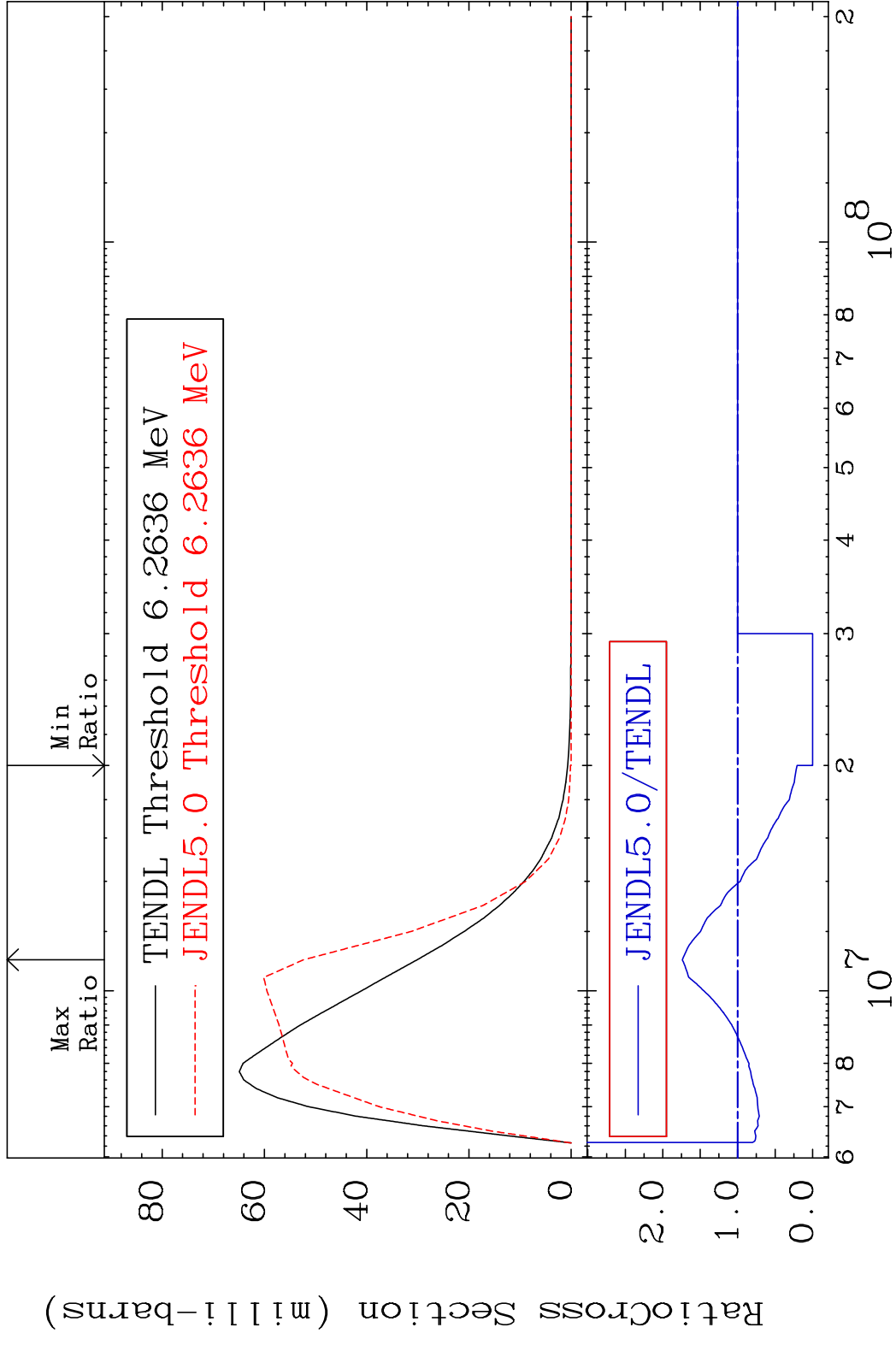
MAT 1225 MT= 53 (n, n') Level 12-Mg-24
Cross Section -100.0 To 77.82 %



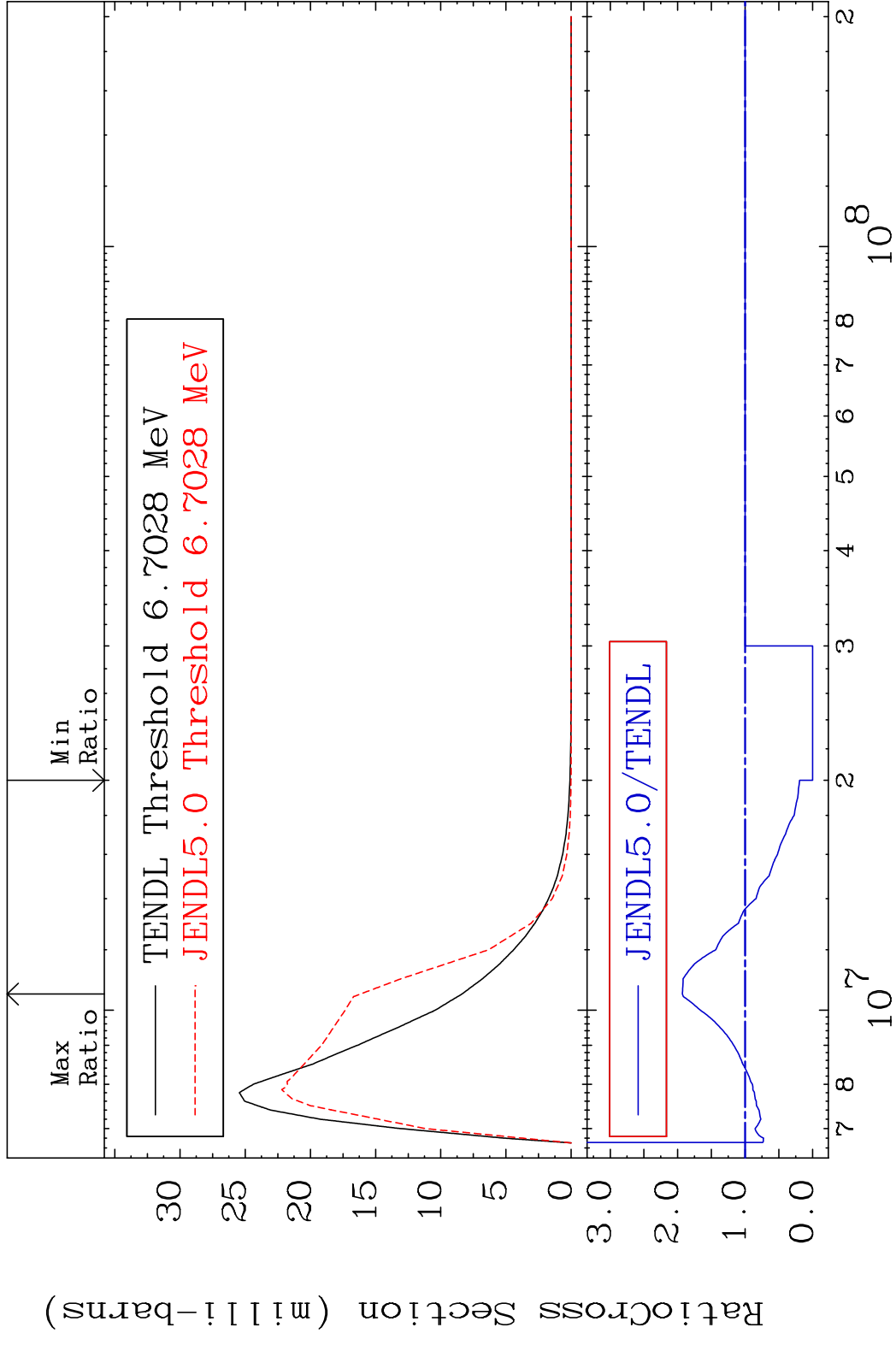
MAT 1225 MT= 54 (n,n') Level 12-Mg-24
 Cross Section -100.0 To 74.06 %



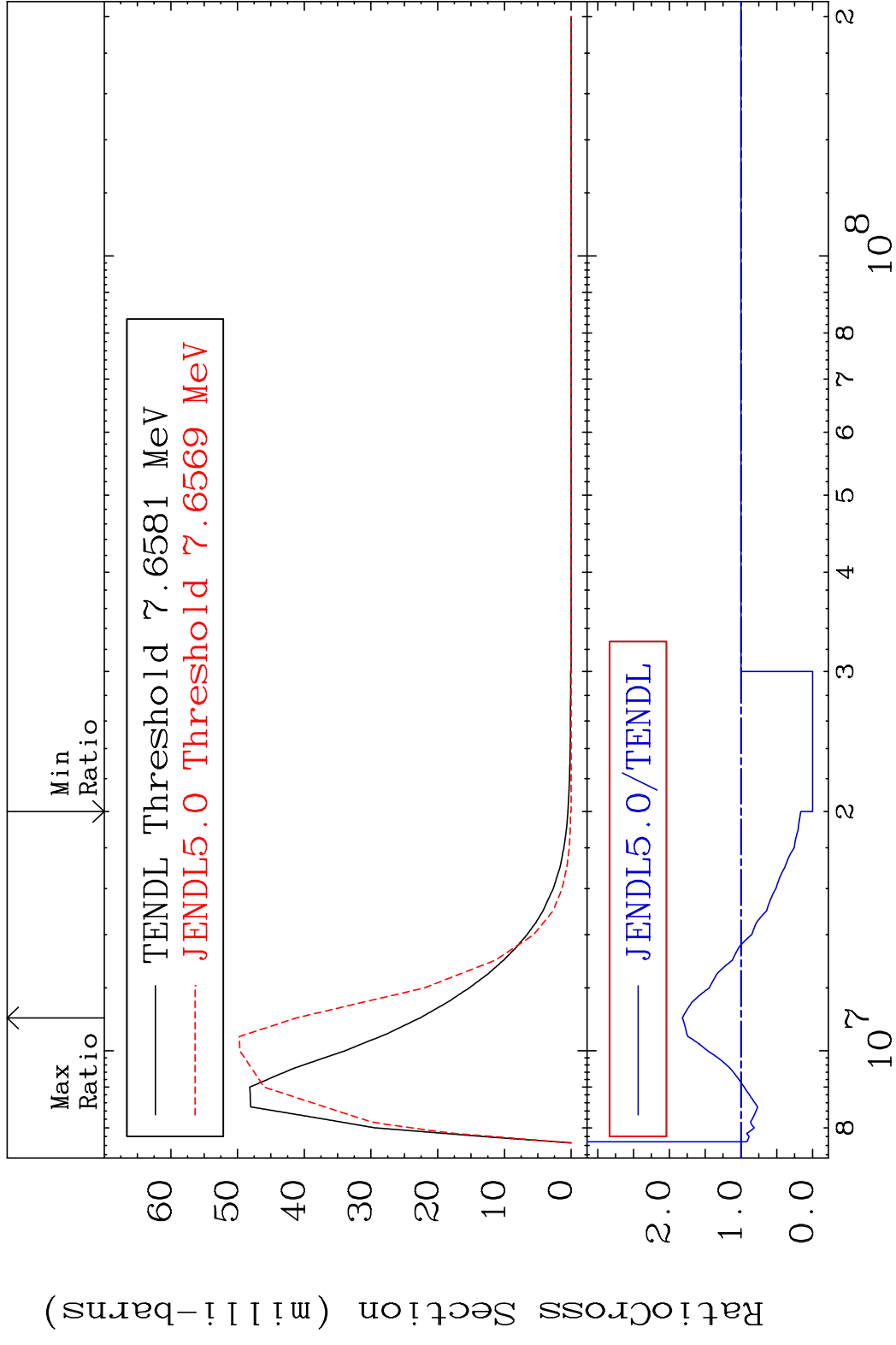
MAT 1225 MT= 55 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 73.84 %



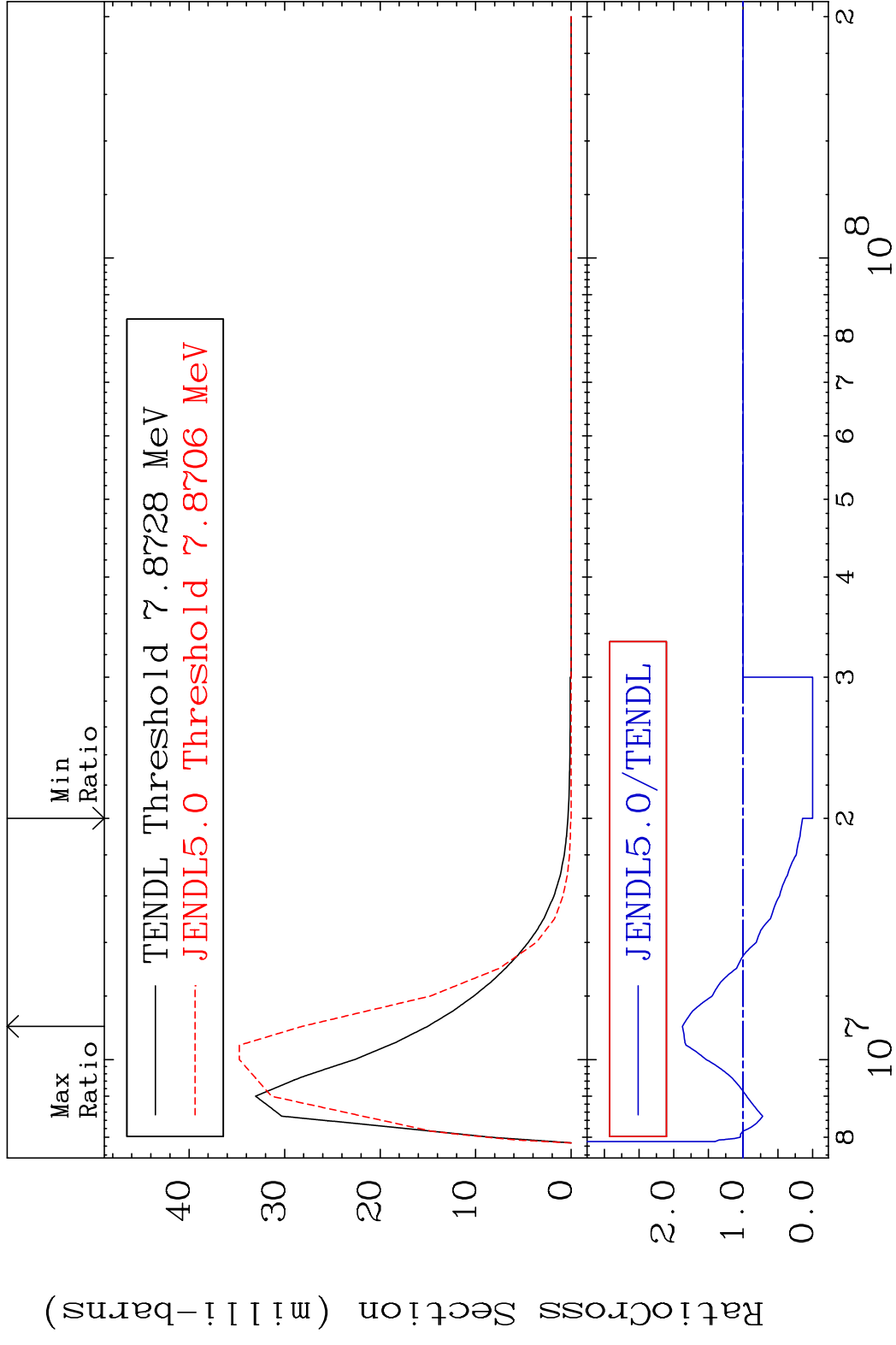
MAT 1225 MT= 56 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 93.05 %



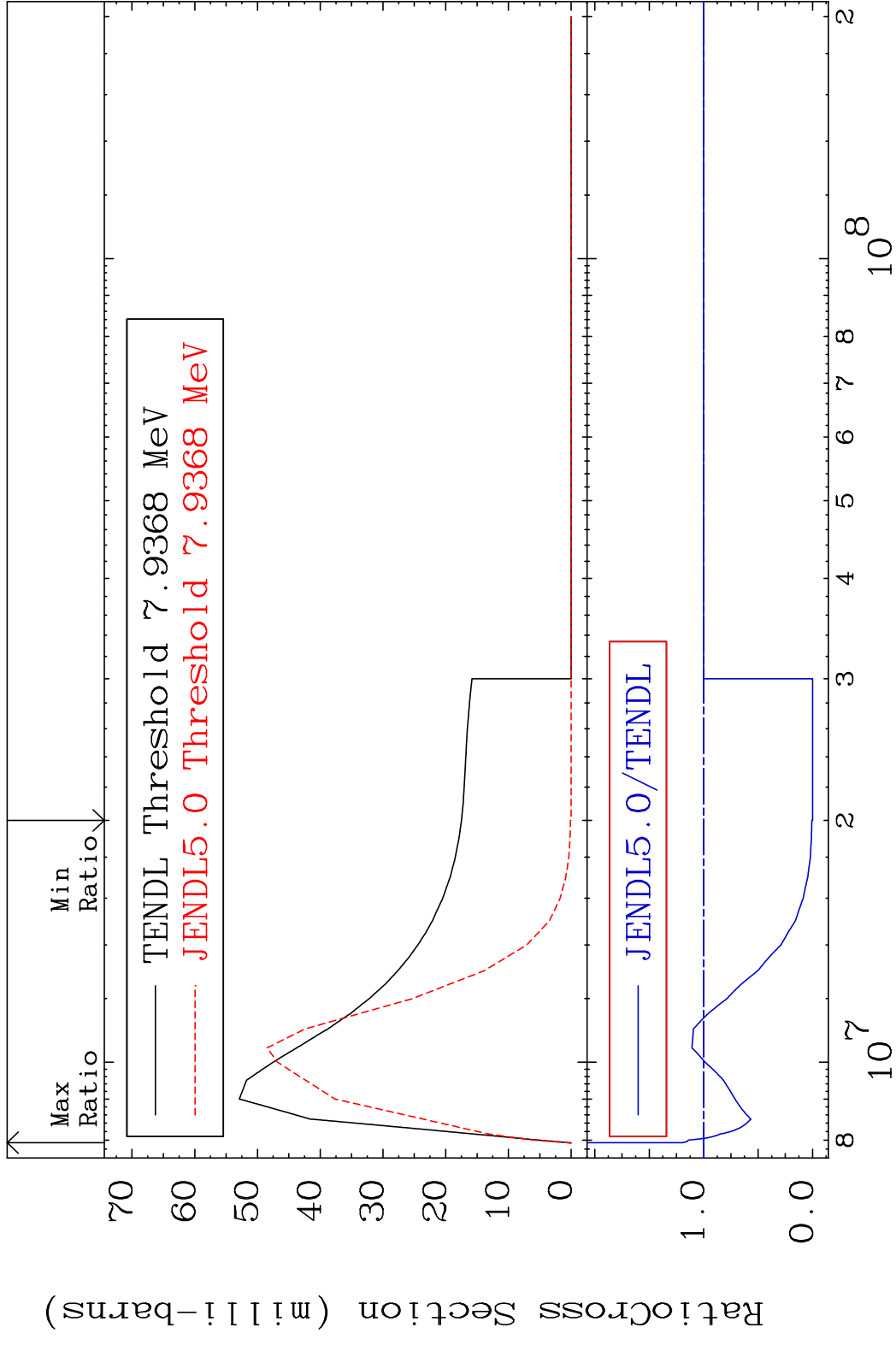
MAT 1225 MT= 57 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 81.87 %



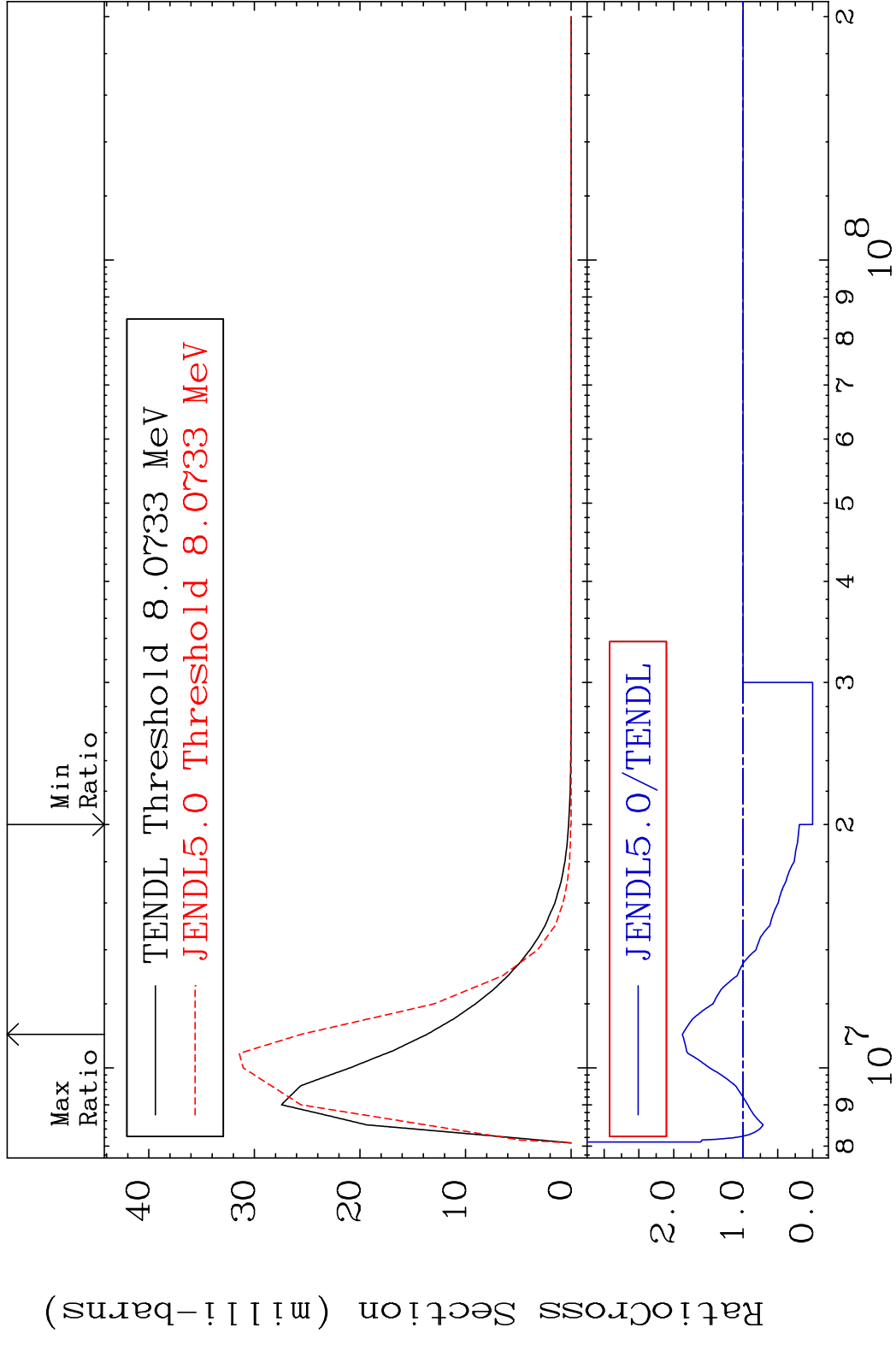
MAT 1225 MT= 58 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 87.61 %



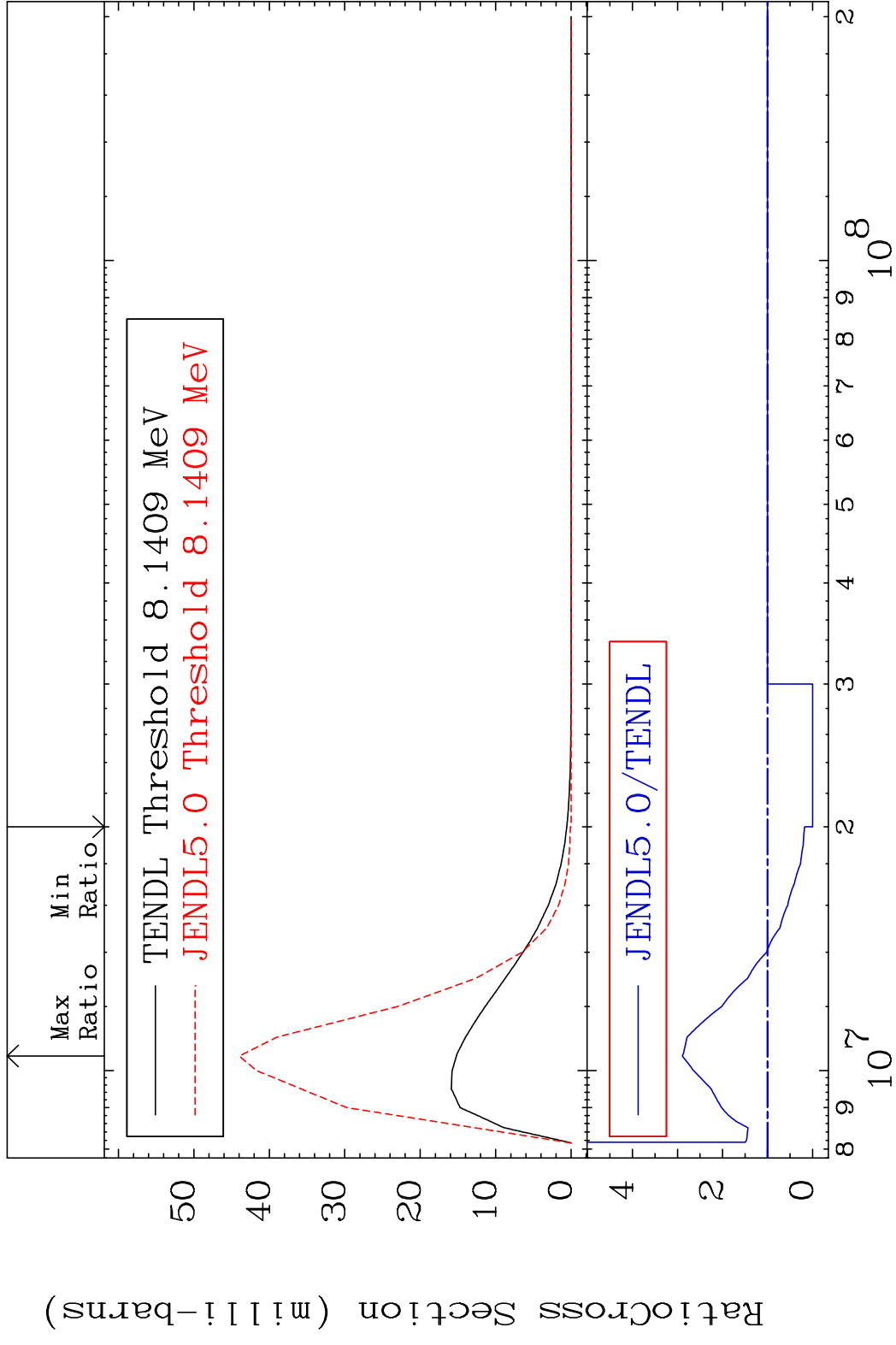
MAT 1225 MT= 59 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 19.56 %



MAT 1225 MT= 60 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 87.45 %

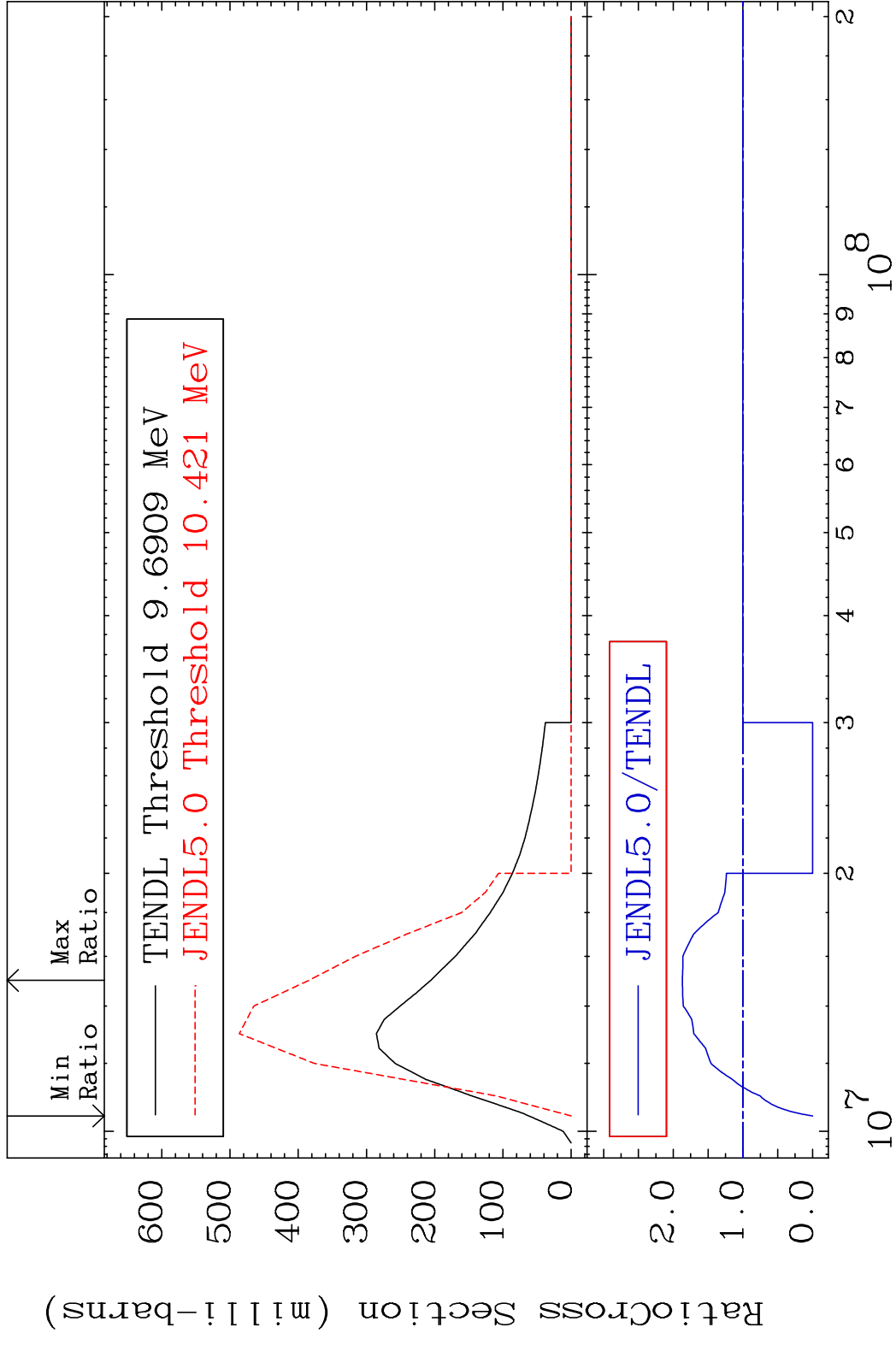


MAT 1225 MT= 61 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 189.2 %



18 12-Mg-24

MAT 1225 (n,n') Continuum 12-Mg-24
 Cross Section -100.0 To 86.96 %



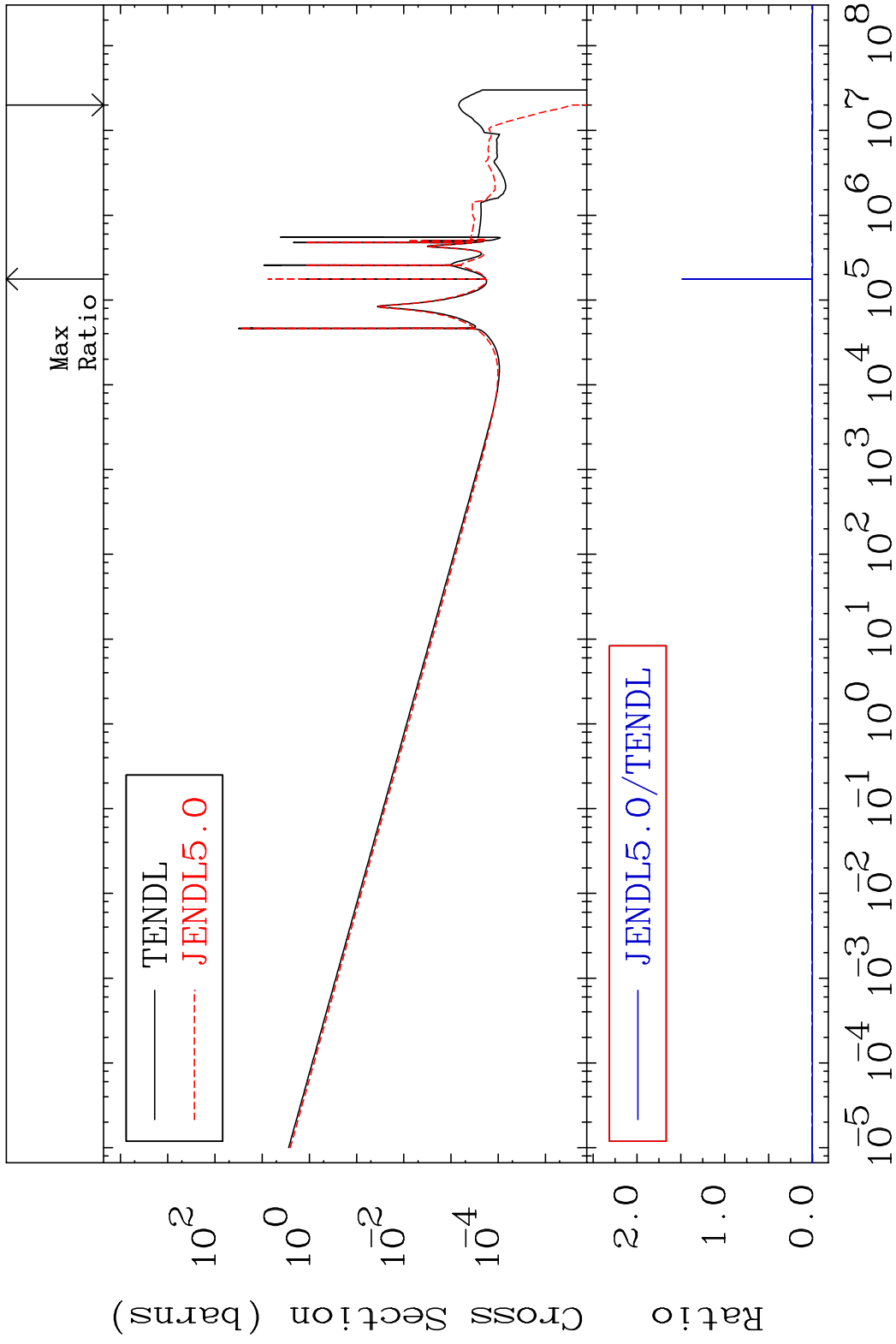
19 12-Mg-24

MAT 1225

(n, γ)

12-Mg-24

Cross Section -100.0 To 9999. %

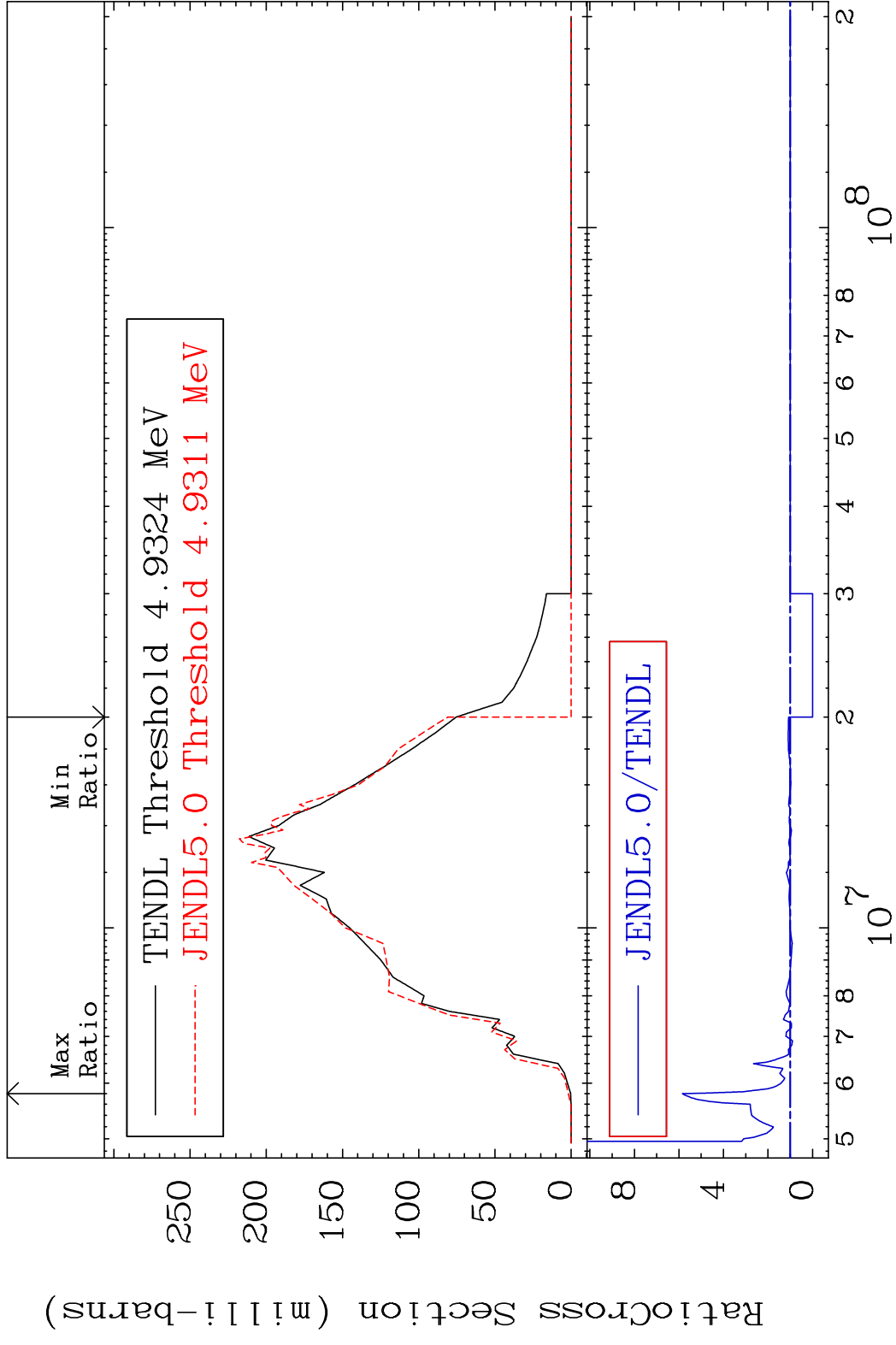


20

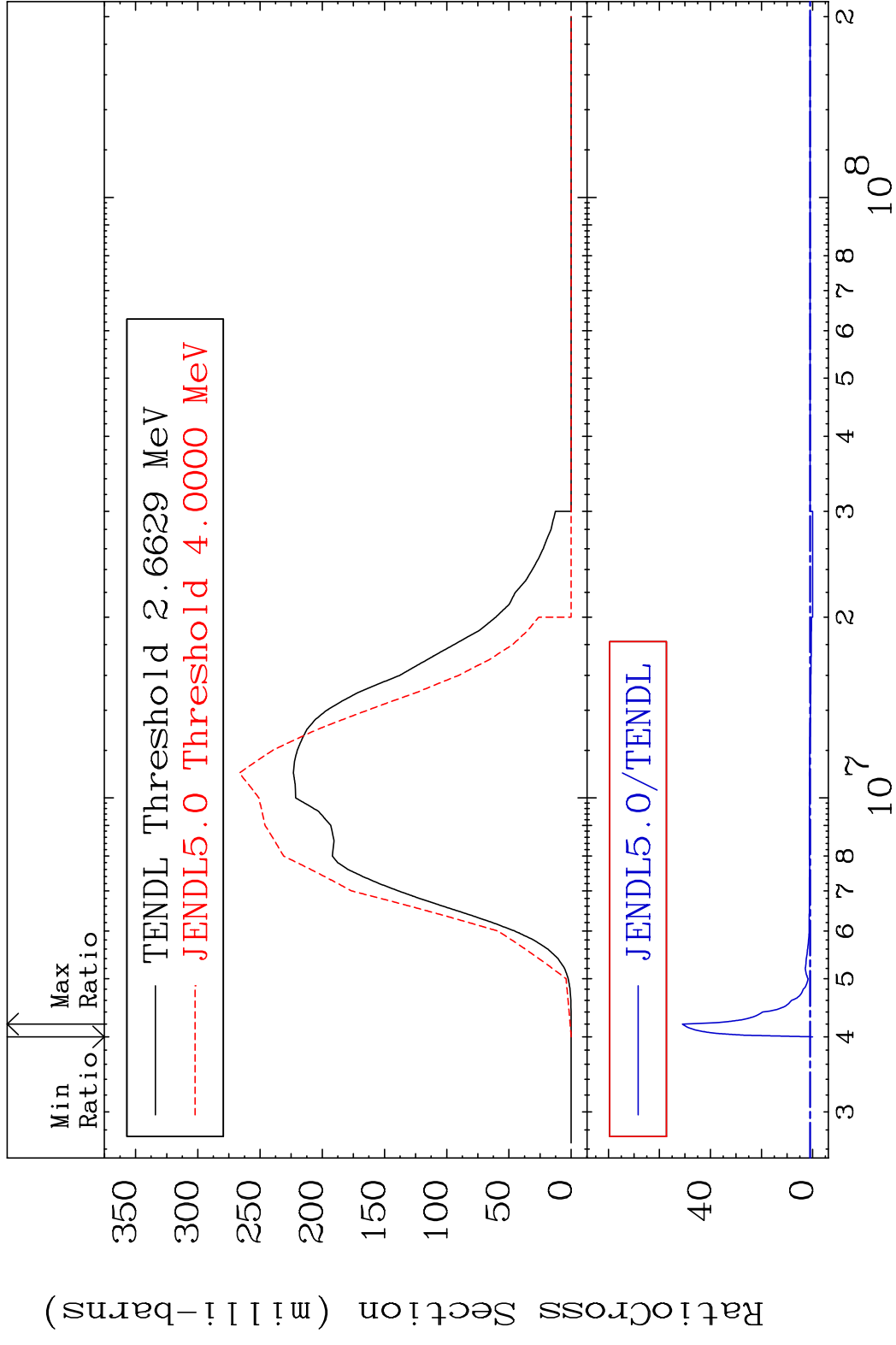
Incident Energy (eV)

12-Mg-24

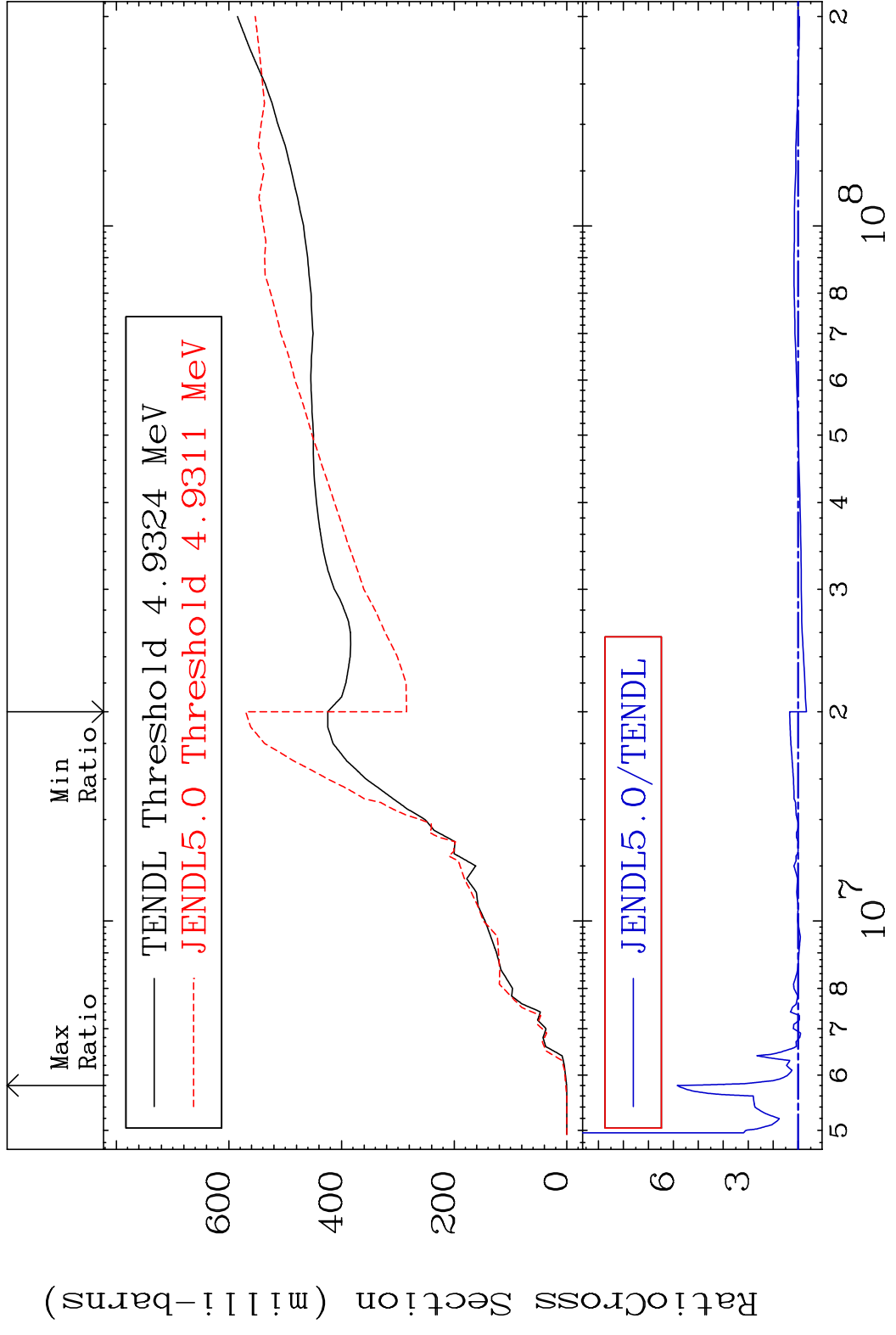
MAT 1225 (n,p) 12-Mg-24
 Cross Section -100.0 To 484.6 %



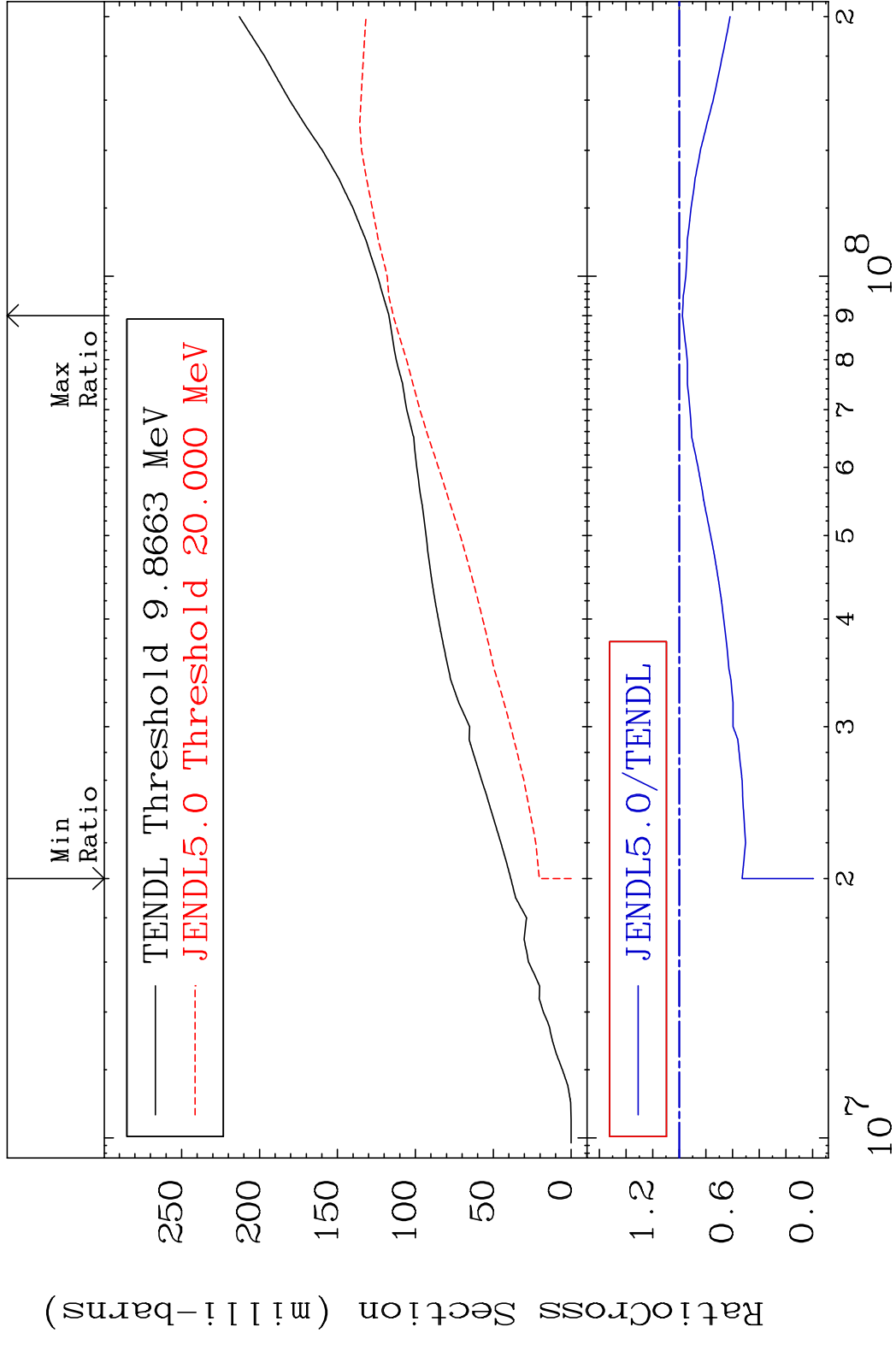
MAT 1225 (n, α) 12-Mg-24
 Cross Section -100.0 To 5003. %



MAT 1225 Hydrogen Production 12-Mg-24
 Cross Section -32.98 To 484.6 %

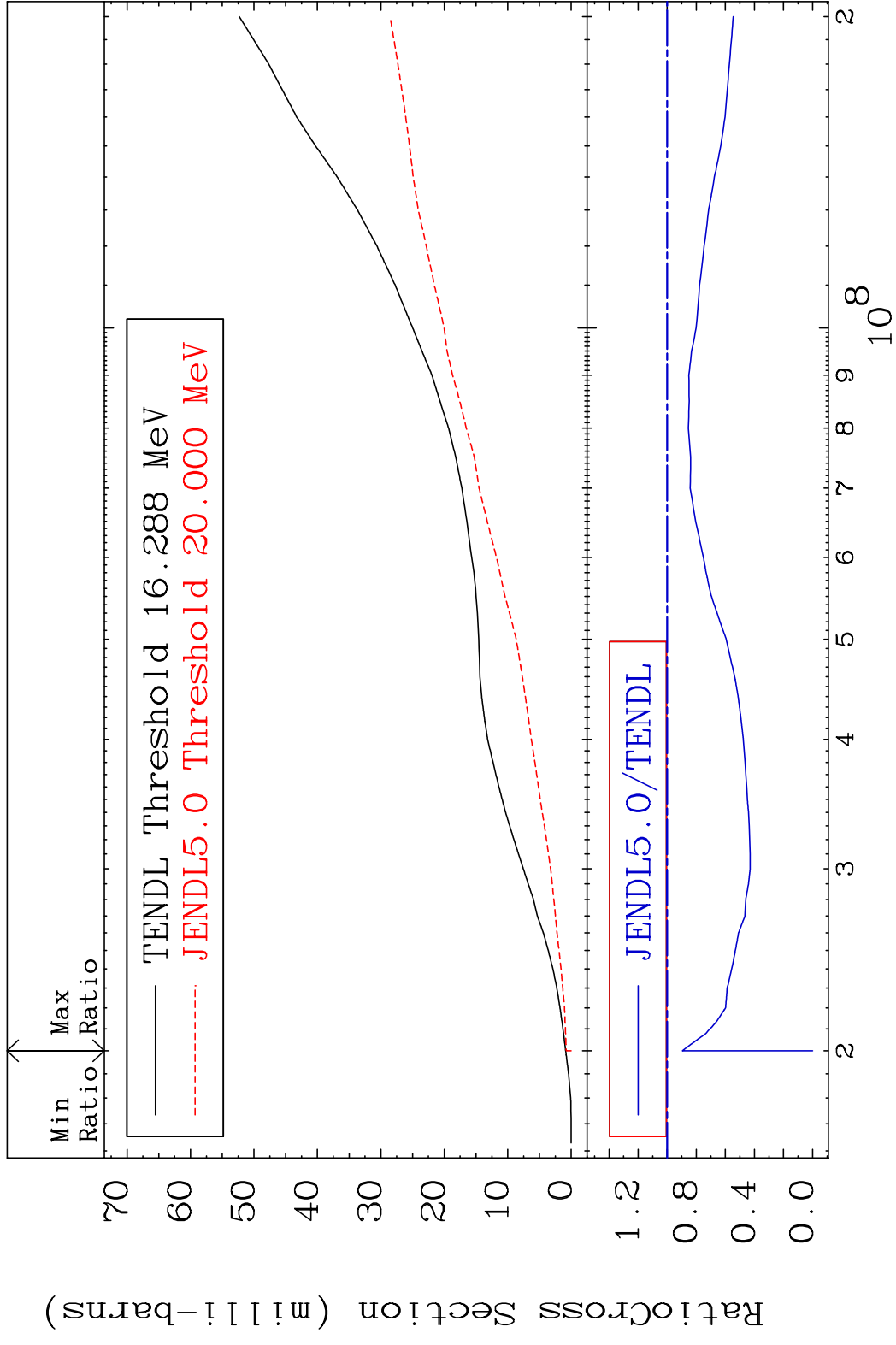


MAT 1225 Deuterium Production 12-Mg-24
 Cross Section -100.0 To -2.289%

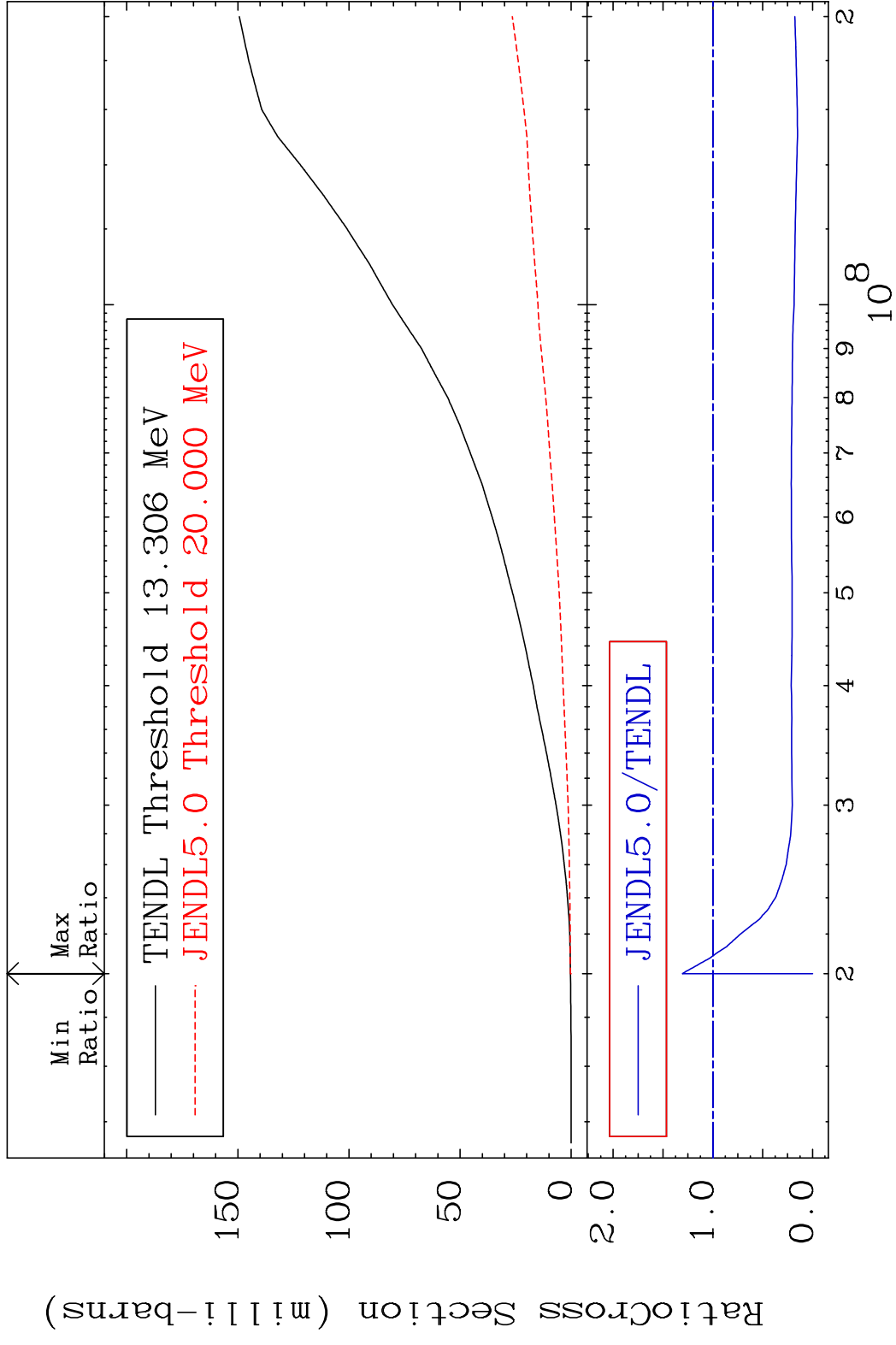


24 12-Mg-24

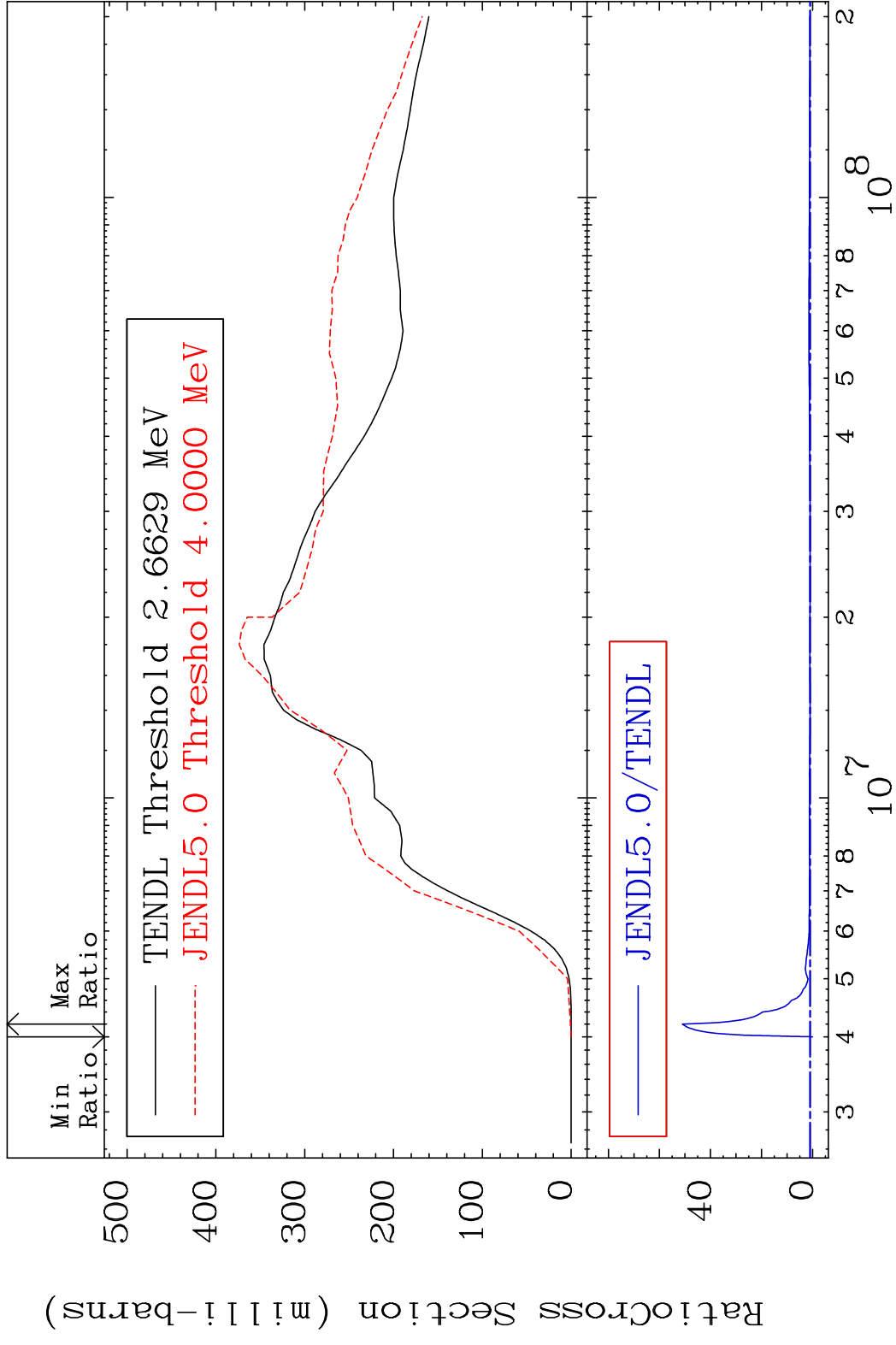
MAT 1225 Tritium Production 12-Mg-24
 Cross Section -100.0 To -10.41%



MAT 1225 He-3 Production 12-Mg-24
 Cross Section -100.0 To 30.59 %

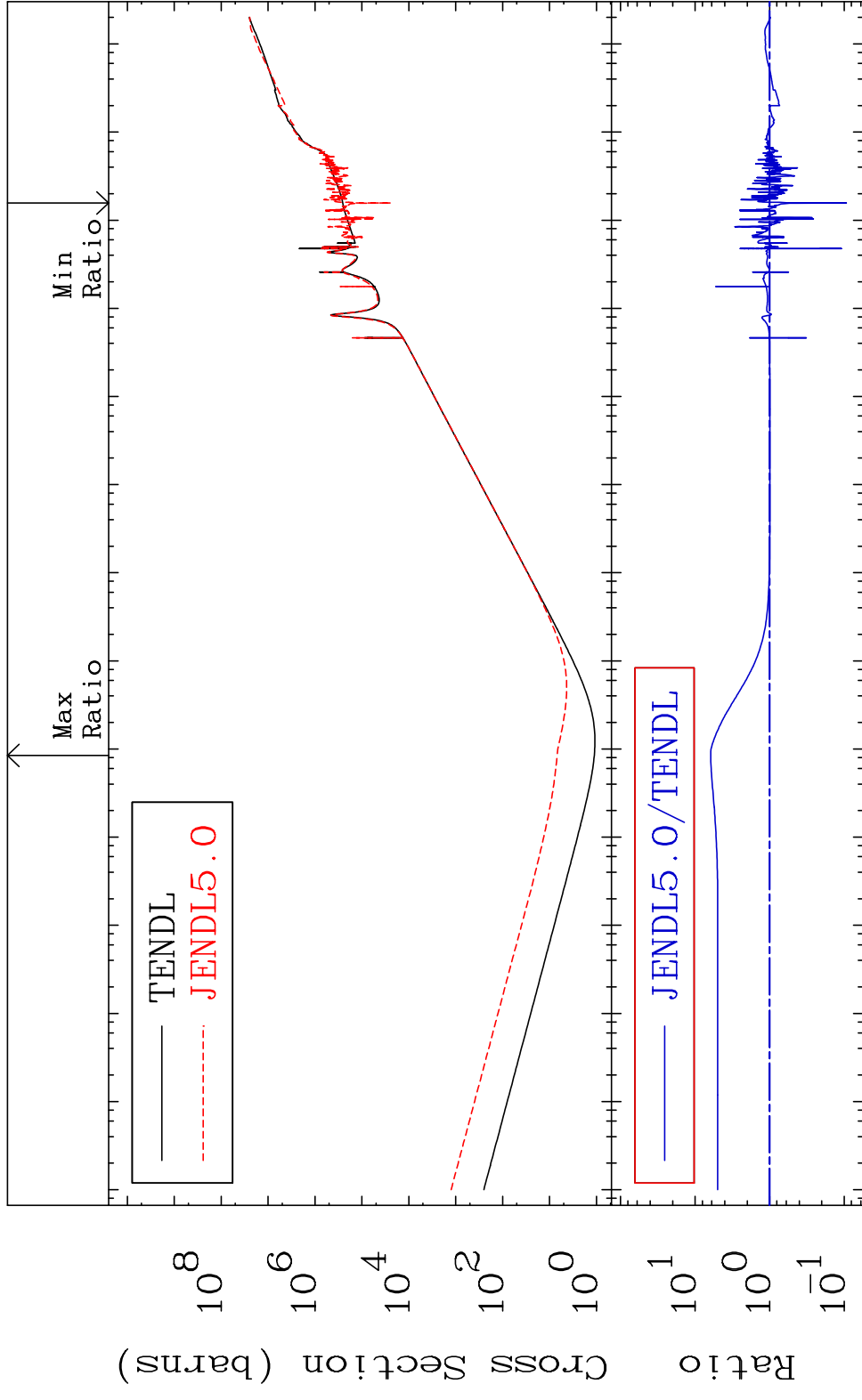


MAT 1225 He-4 Production 12-Mg-24
 Cross Section -100.0 To 5003. %



27 Incident Energy (eV) 12-Mg-24

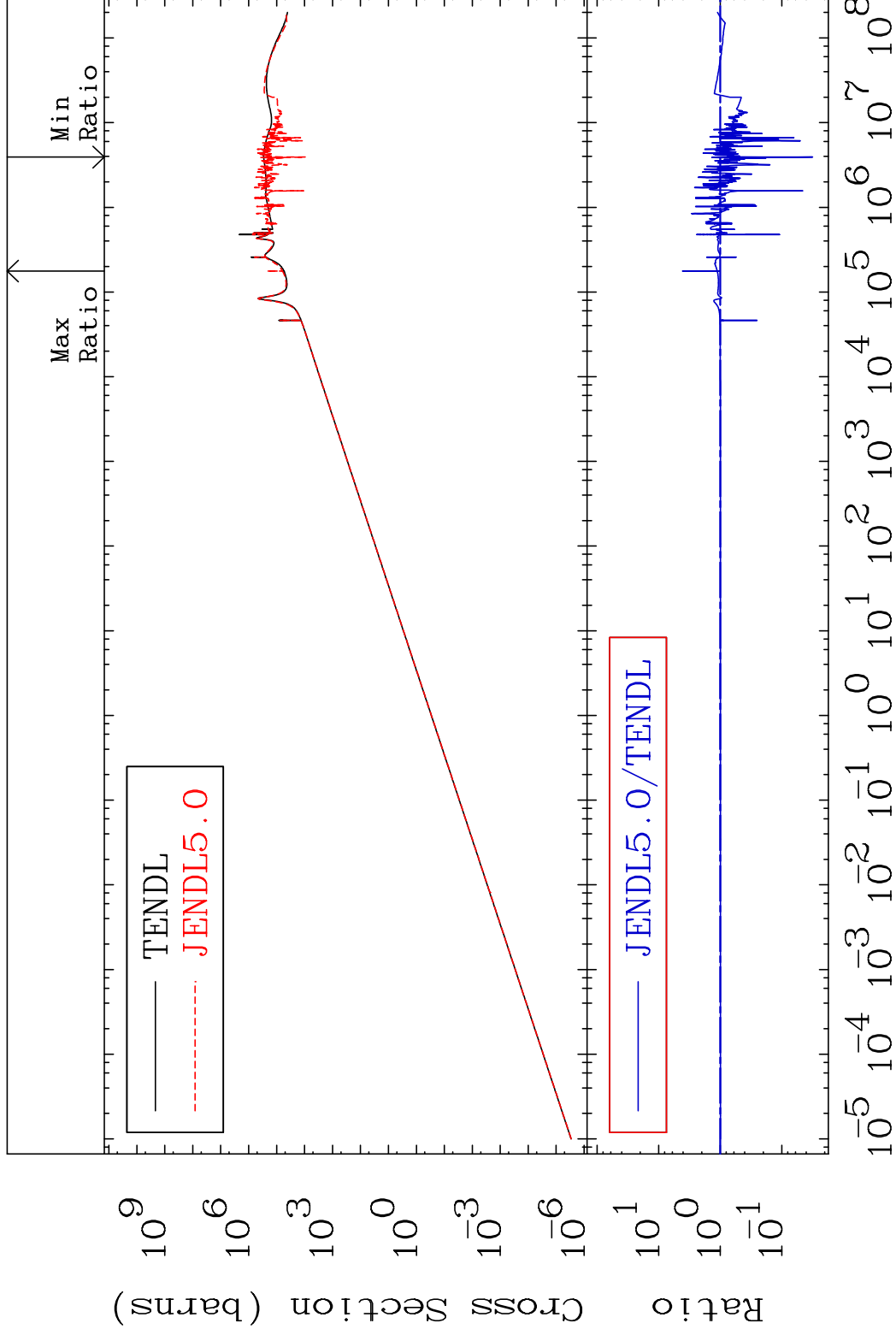
MAT 1225 Kerma total (eV-barns) 12-Mg-24
 Cross Section -90.63 To 517.9 %



MAT 1225

Kerma elastic
Cross Section

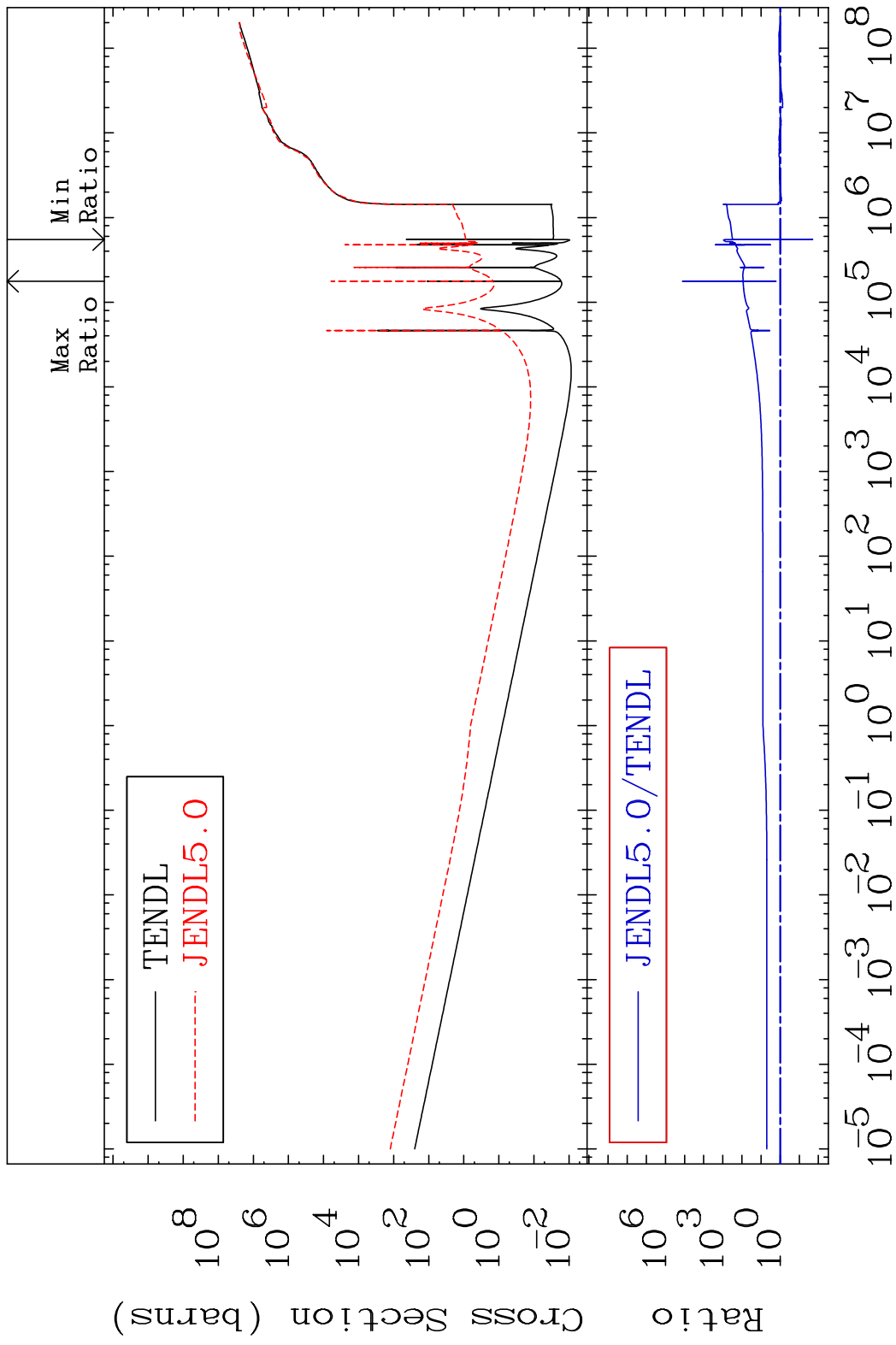
12-Mg-24
-96.84 To 312.4 %



29

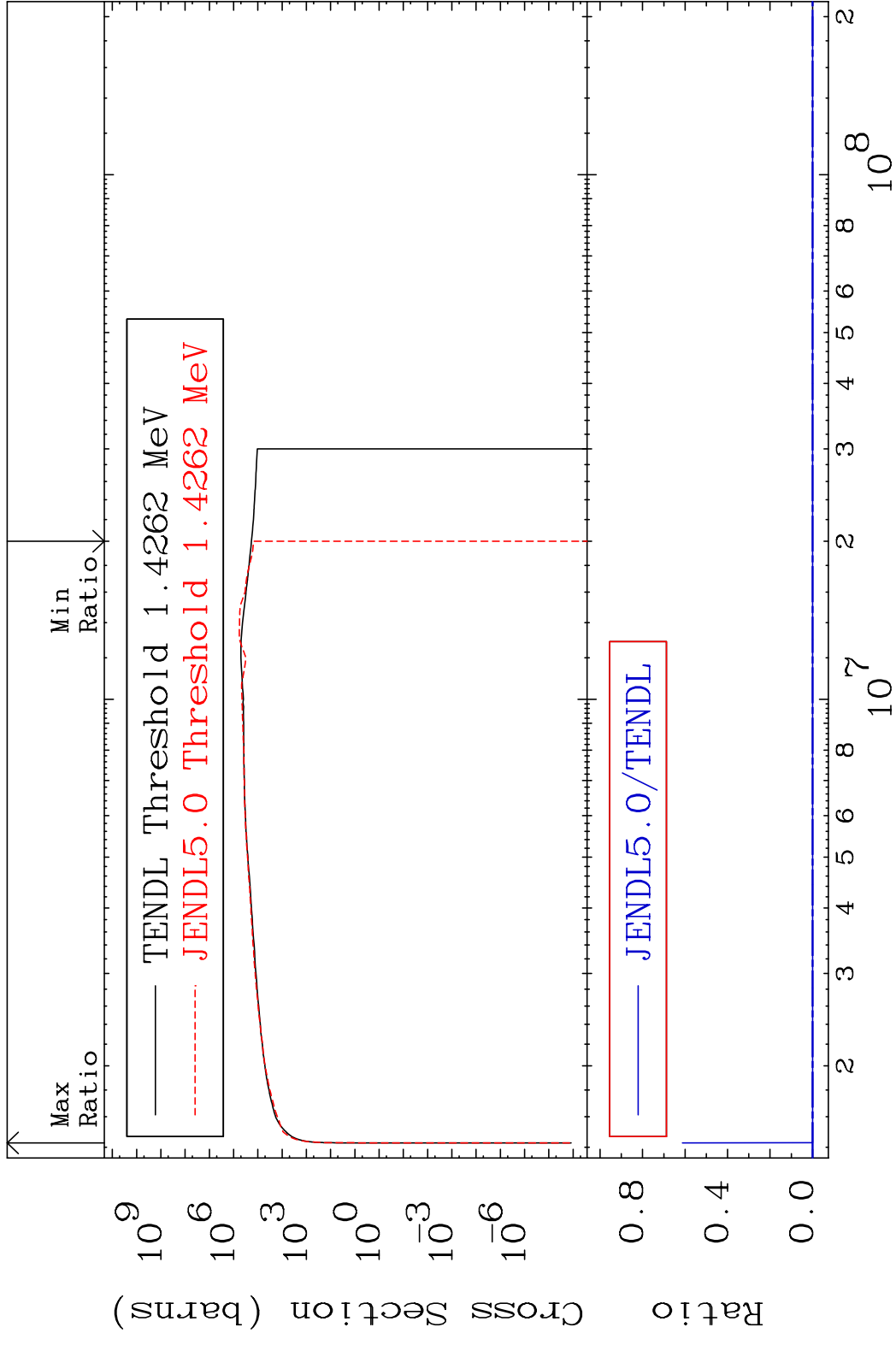
12-Mg-24

MAT 1225 Kerma non-elastic (all but mt2) 12-Mg-24
 Cross Section -97.97 To 9999. %

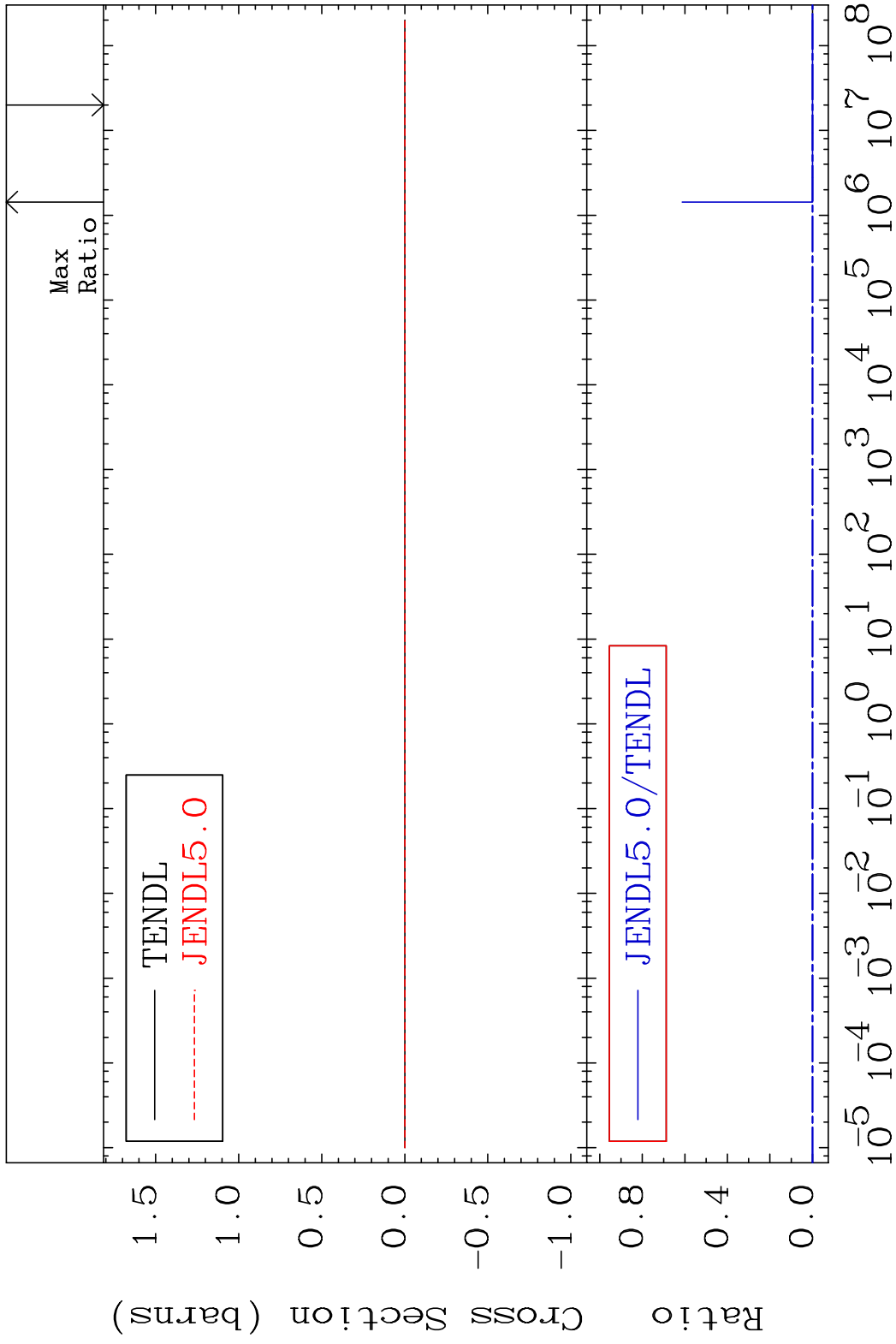


30 Incident Energy (eV) 12-Mg-24

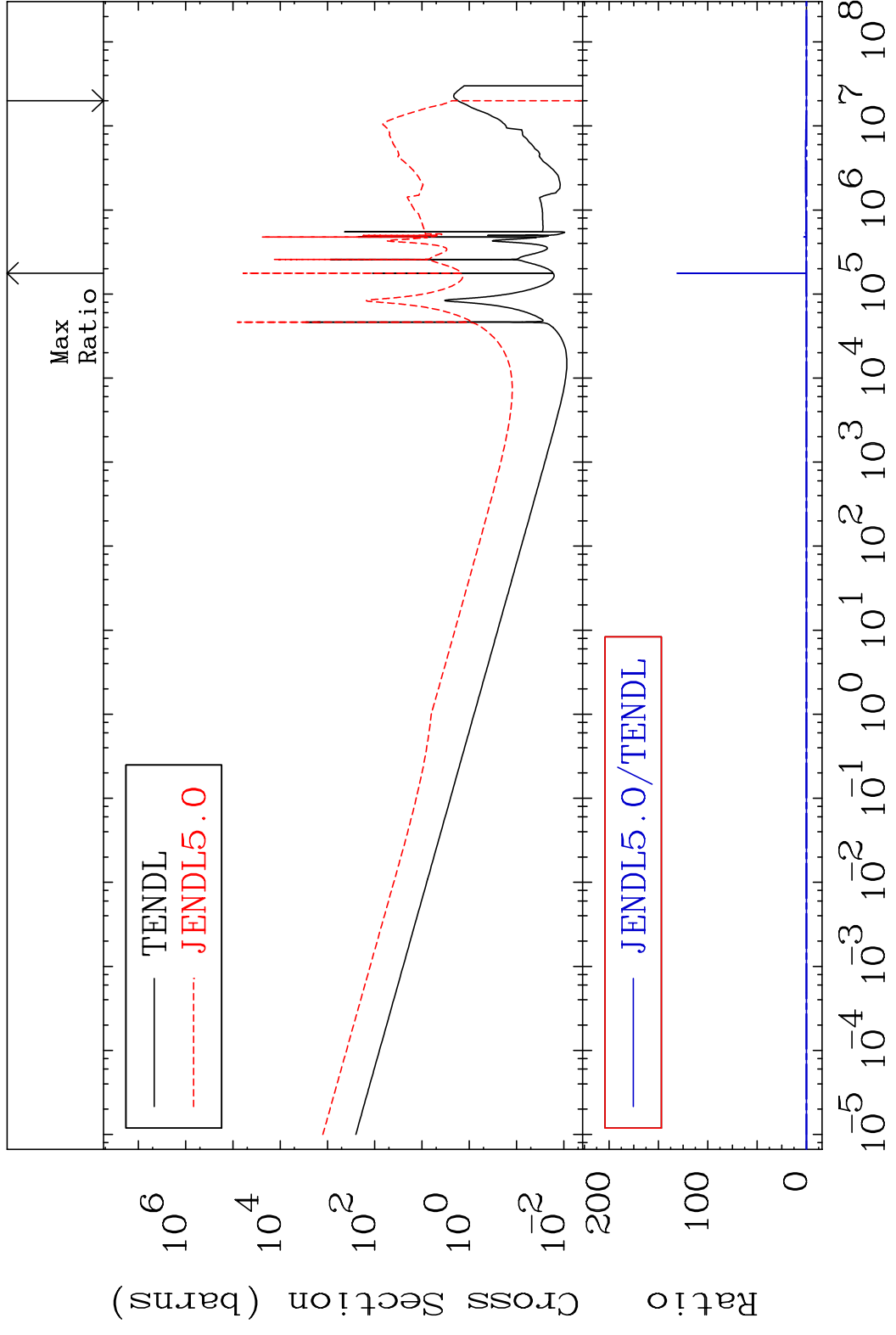
MAT 1225 Kerma inelastic (mt51-91) 12-Mg-24
 Cross Section -100.0 To 9999. %



MAT 1225 Kerma fission (mt18 or mt19-20-21-38) 12-Mg-24
 Cross Section -100.0 To 9999. %

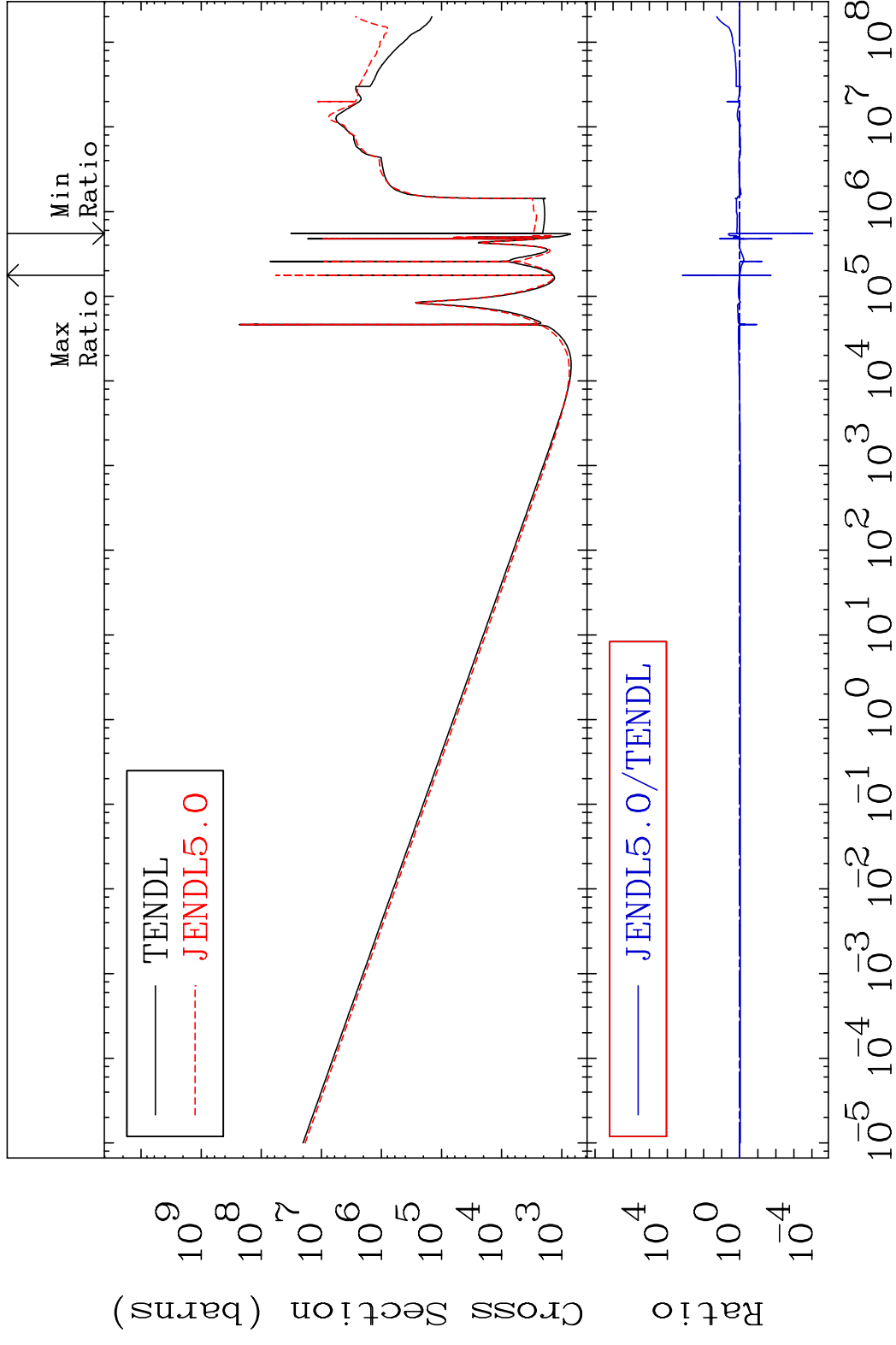


MAT 1225 Kerma capture (mt102) 12-Mg-24
 Cross Section -100.0 To 9999. %



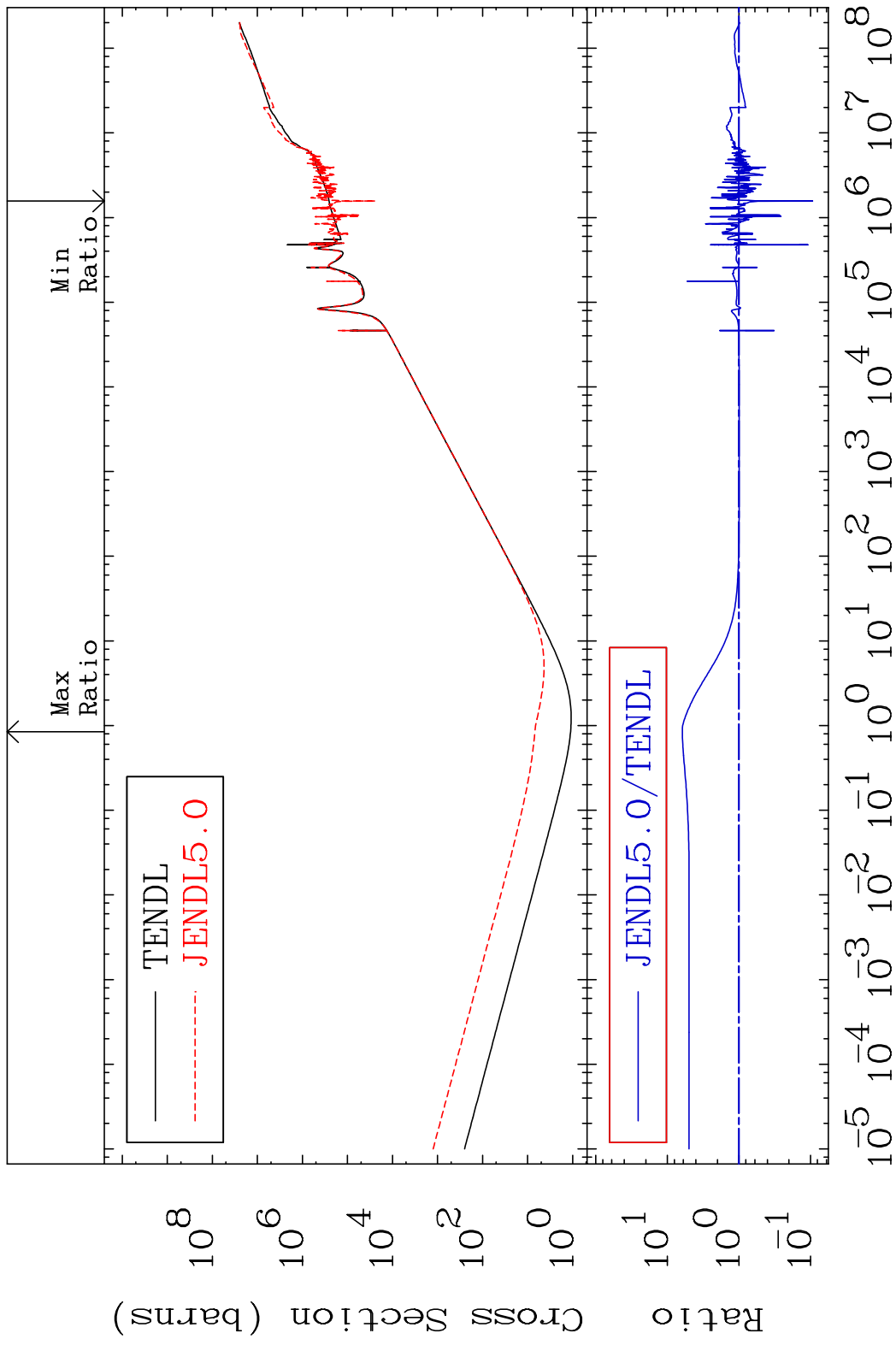
33 Incident Energy (eV) 12-Mg-24

MAT 1225 Total photon (eV-barns) 12-Mg-24
 Cross Section -99.99 To 9999. %



34 Incident Energy (eV) 12-Mg-24

MAT 1225 Total kinematic kerma (high limit) 12-Mg-24
Cross Section -90.63 To 517.9 %

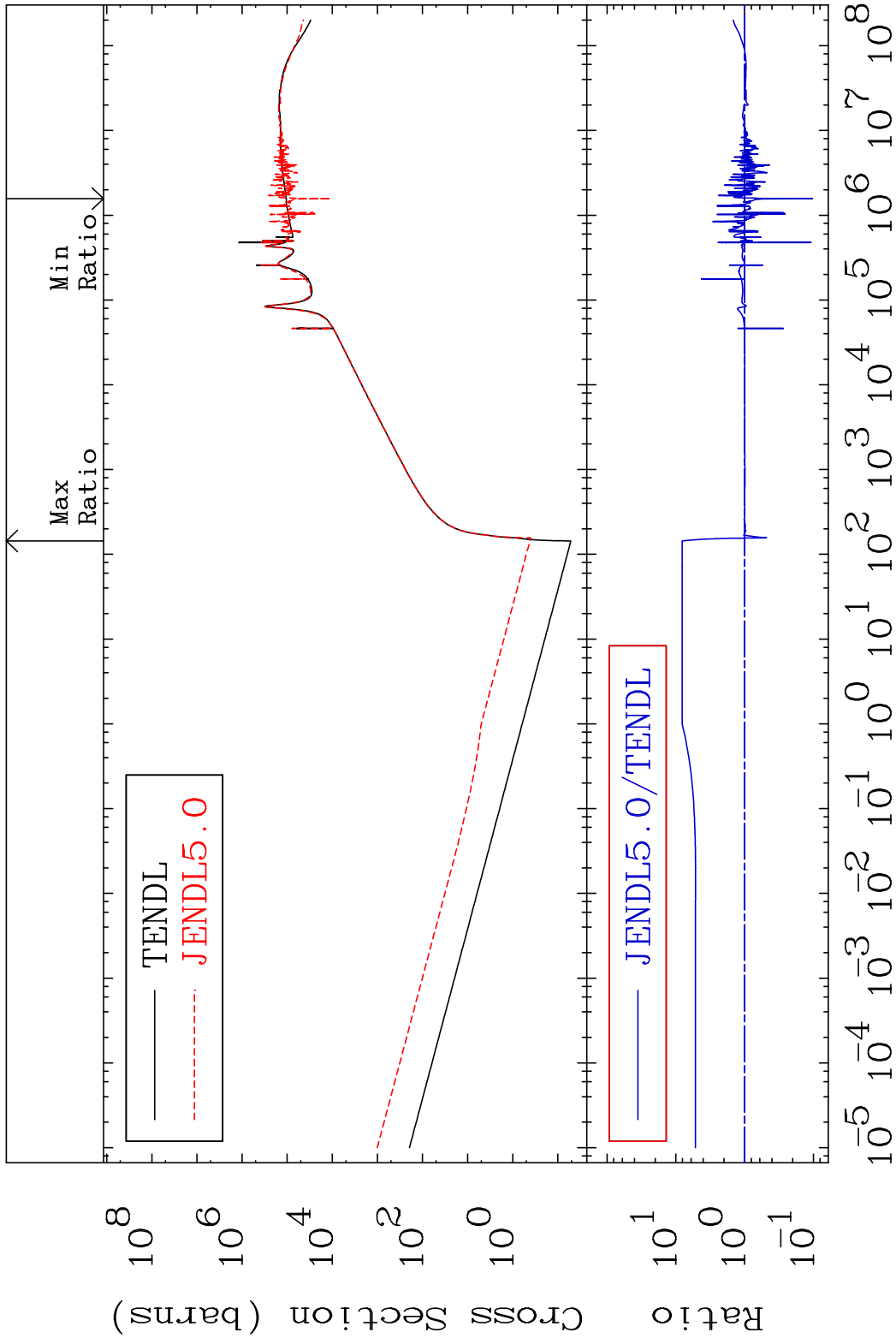


MAT 1225

Dpa total (eV-barns)

12-Mg-24

Cross Section -89.71 To 710.0 %

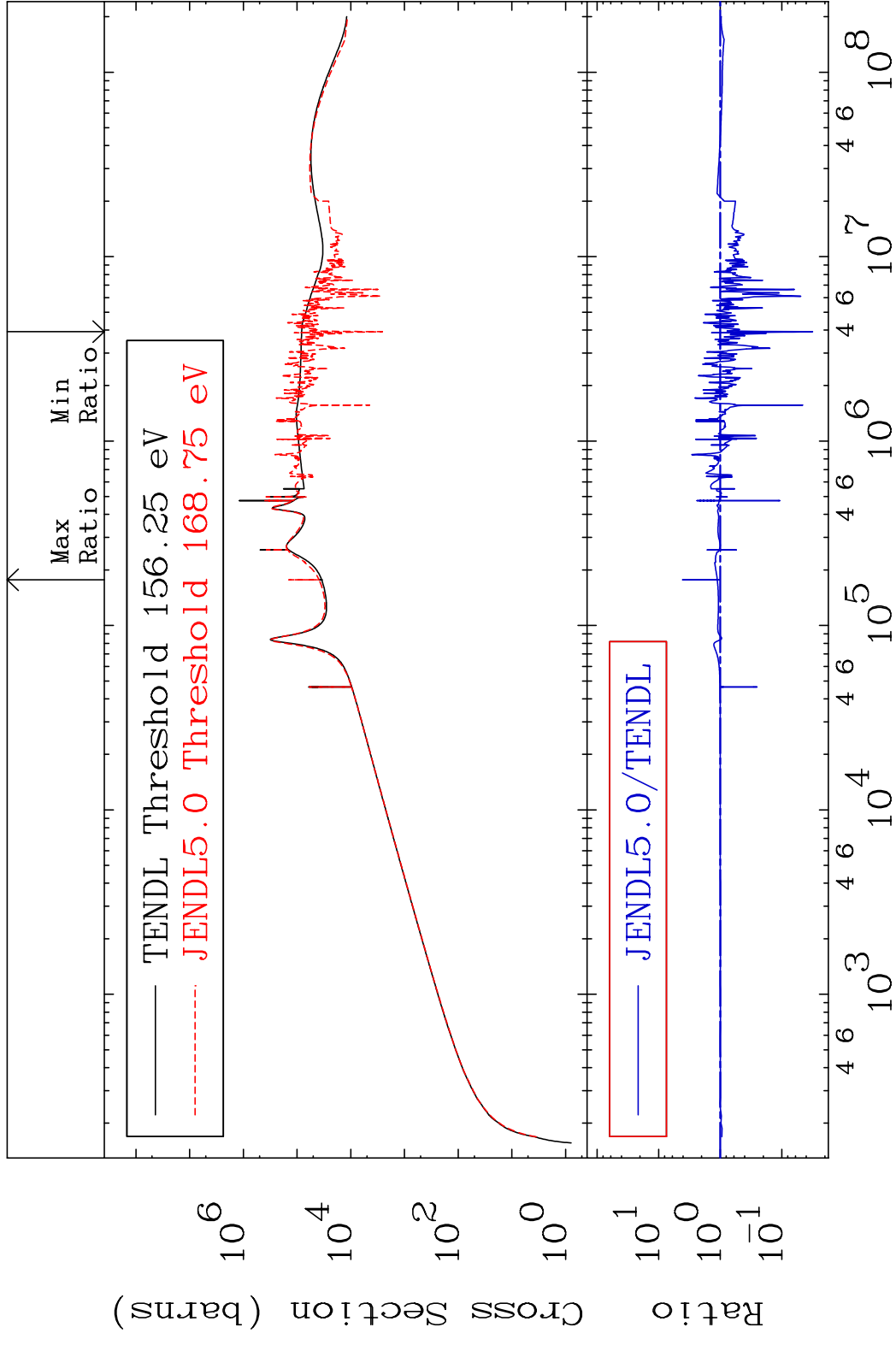


36

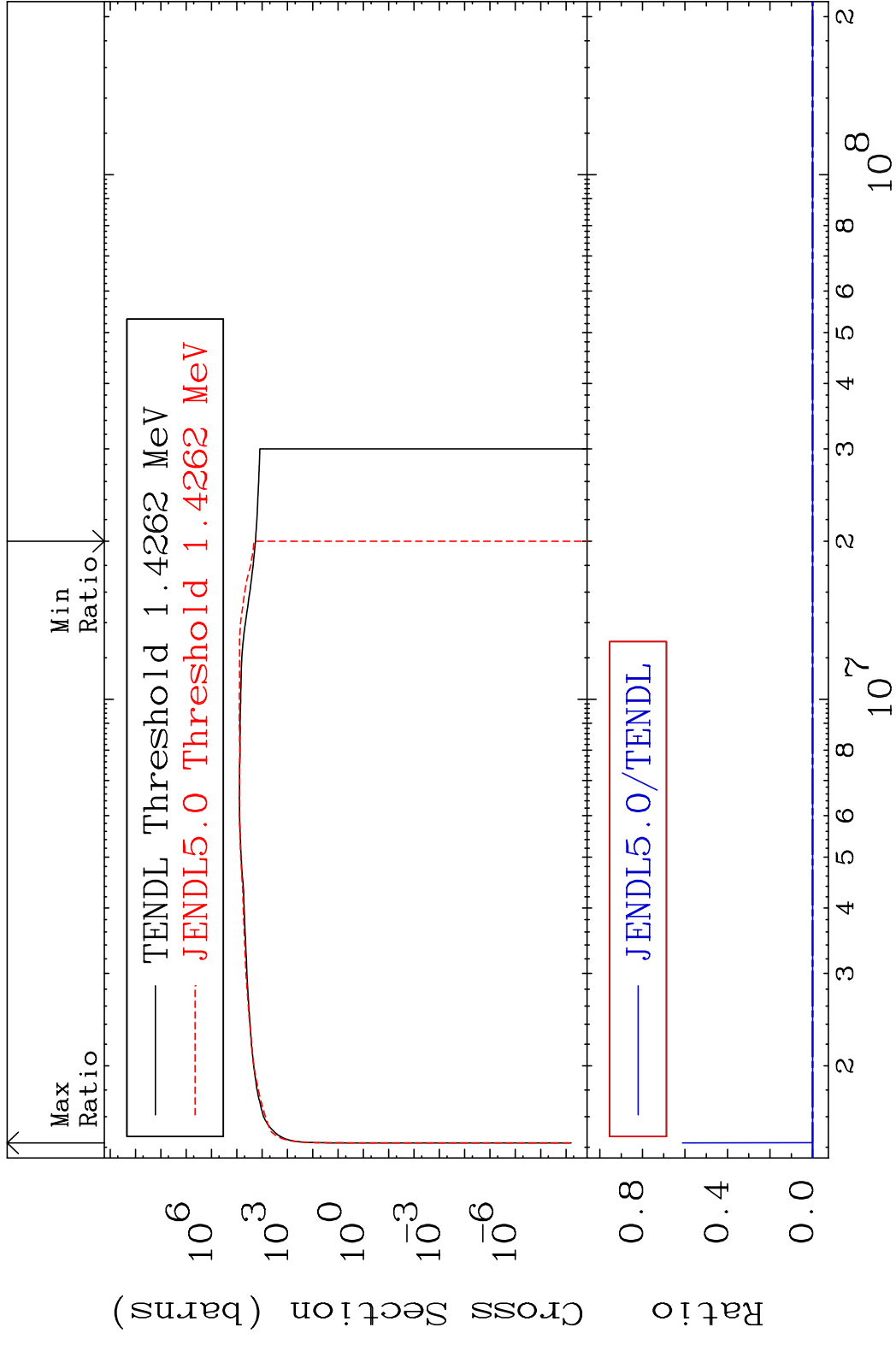
Incident Energy (eV)

12-Mg-24

MAT 1225 Dpa elastic (mt2) 12-Mg-24
 Cross Section -96.83 To 311.5 %



MAT 1225 Dpa inelastic (mt51-91) 12-Mg-24
 Cross Section -100.0 To 9999. %



MAT 1225 Dpa disappearance (mt102 -120) 12-Mg-24
 Cross Section -100.0 To 9999. %

