

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

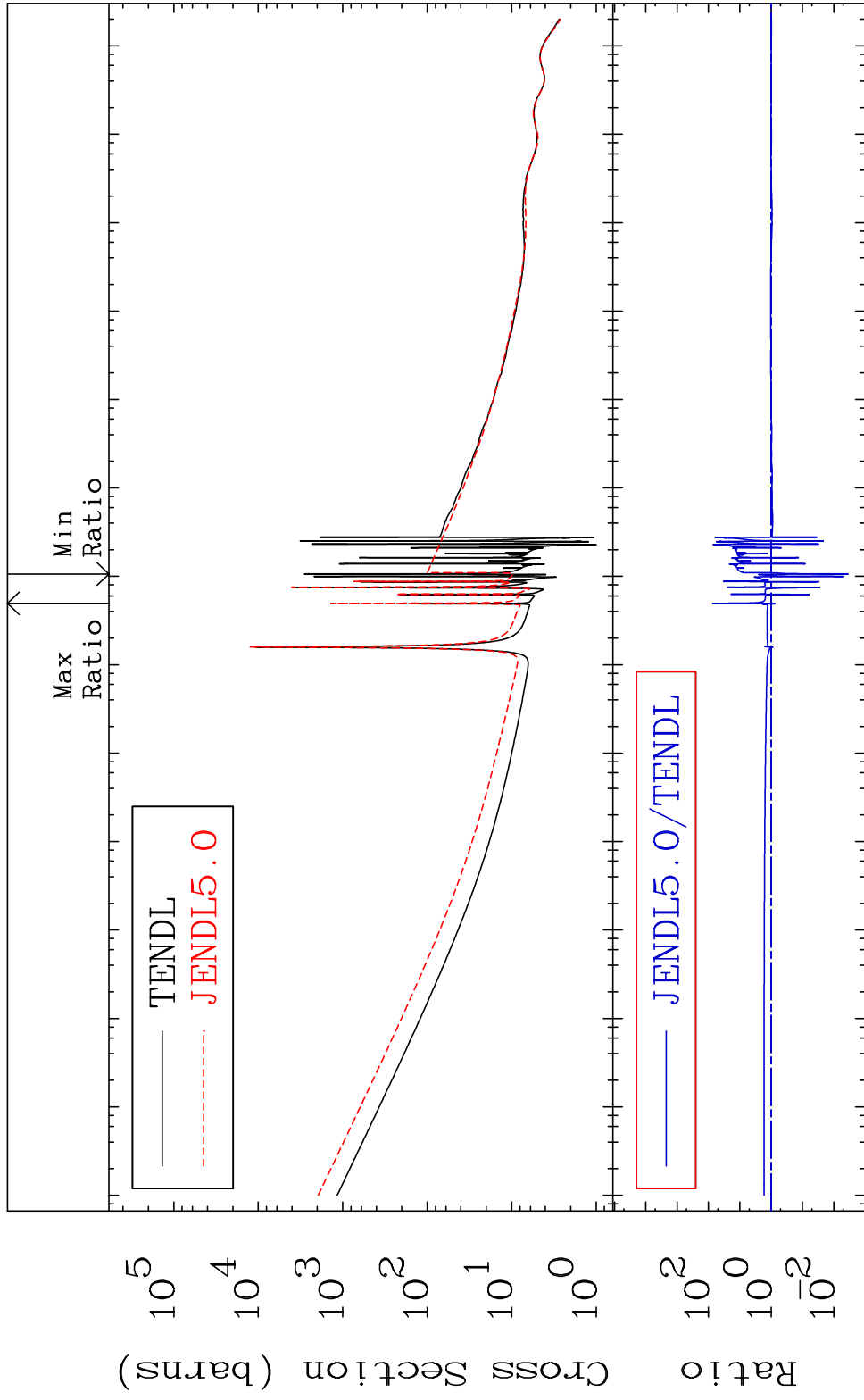
Press Mouse Button to Start

MAT 7425

Total

74-W -180

Cross Section -99.66 To 7403. %



10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵ Incident Energy (eV)

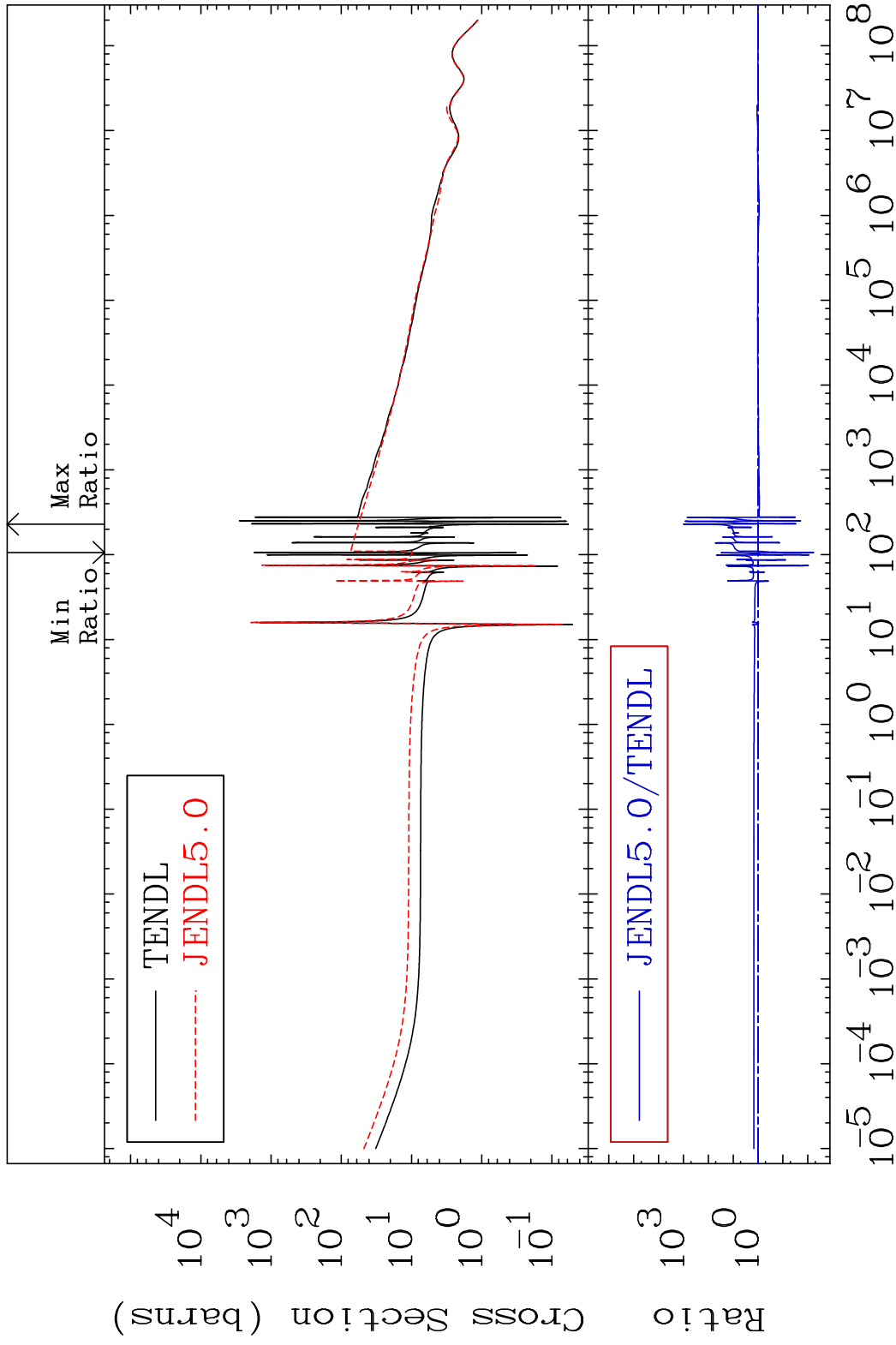
1 74-W -180

MAT 7425

Elastic

74-W -180

Cross Section -99.44 To 9999. %



2

Incident Energy (eV)

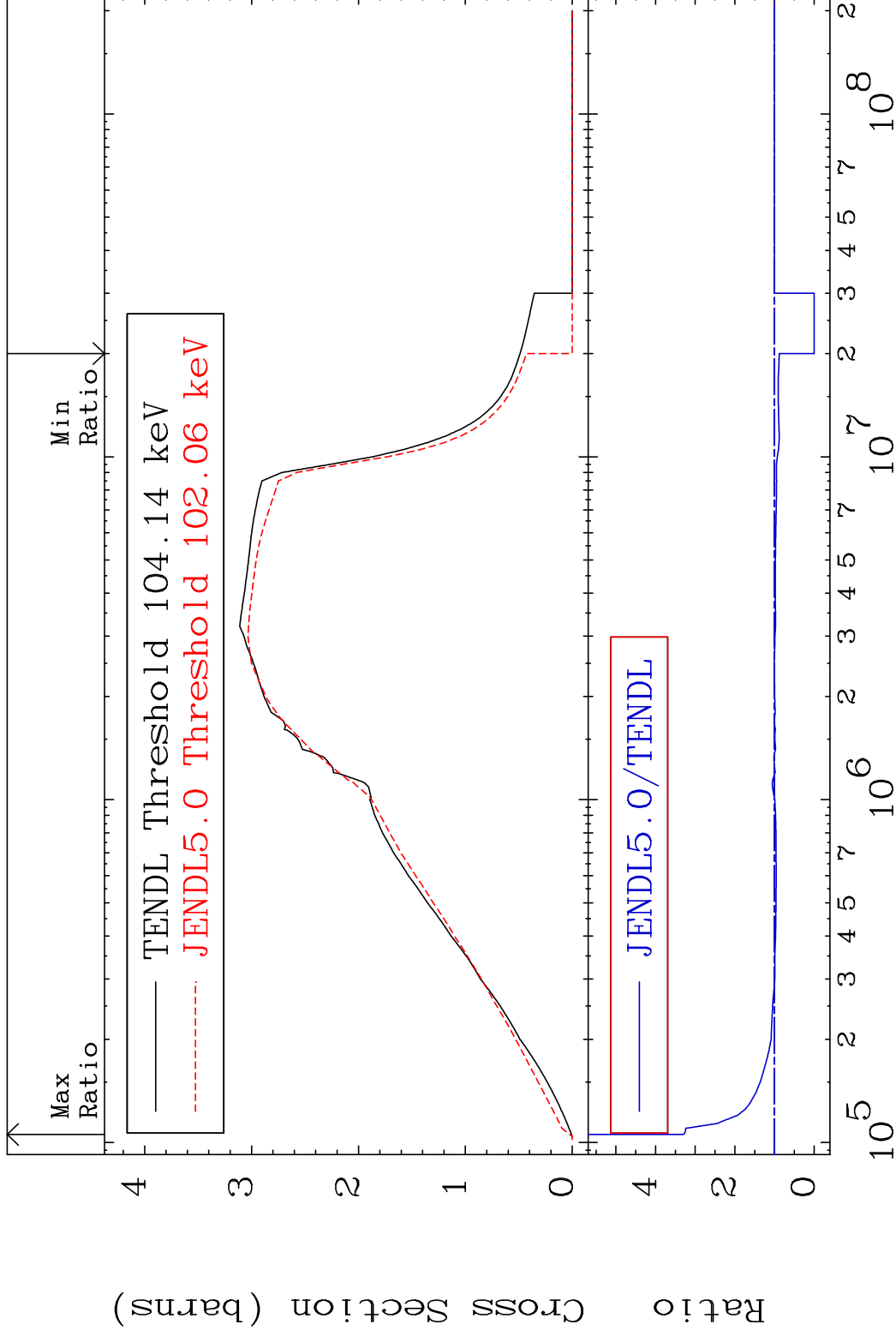
74-W -180

MAT 7425

Inelastic

74-W -180

Cross Section -100.0 To 229.1 %



3 Incident Energy (eV)

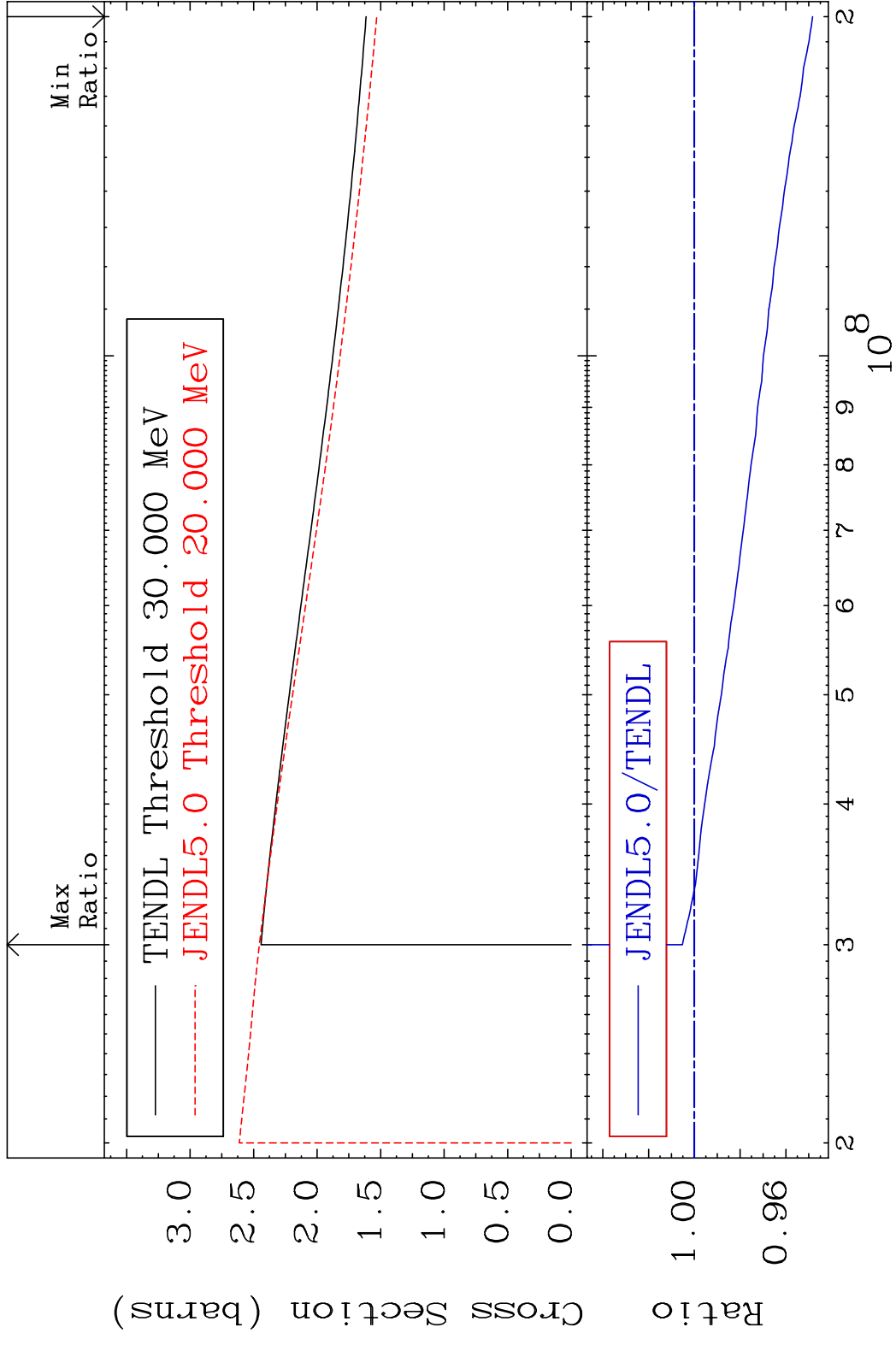
74-W -180

MAT 7425

(n, remainder)

74-W -180

Cross Section -5.163 To 0.524 %



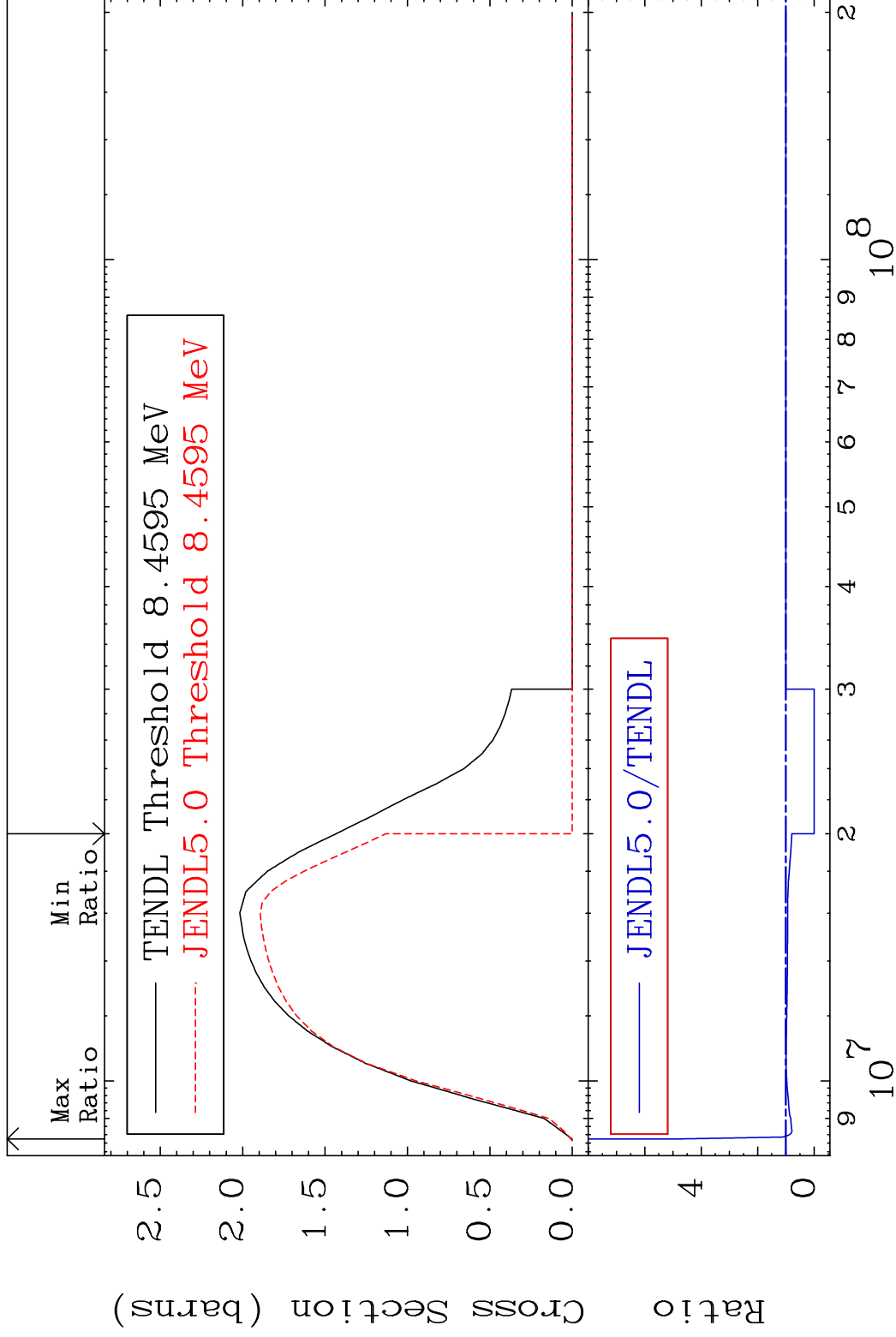
4 Incident Energy (eV) 74-W -180

MAT 7425

(n,2n)

74-W -180

Cross Section -100.0 To 362.2 %

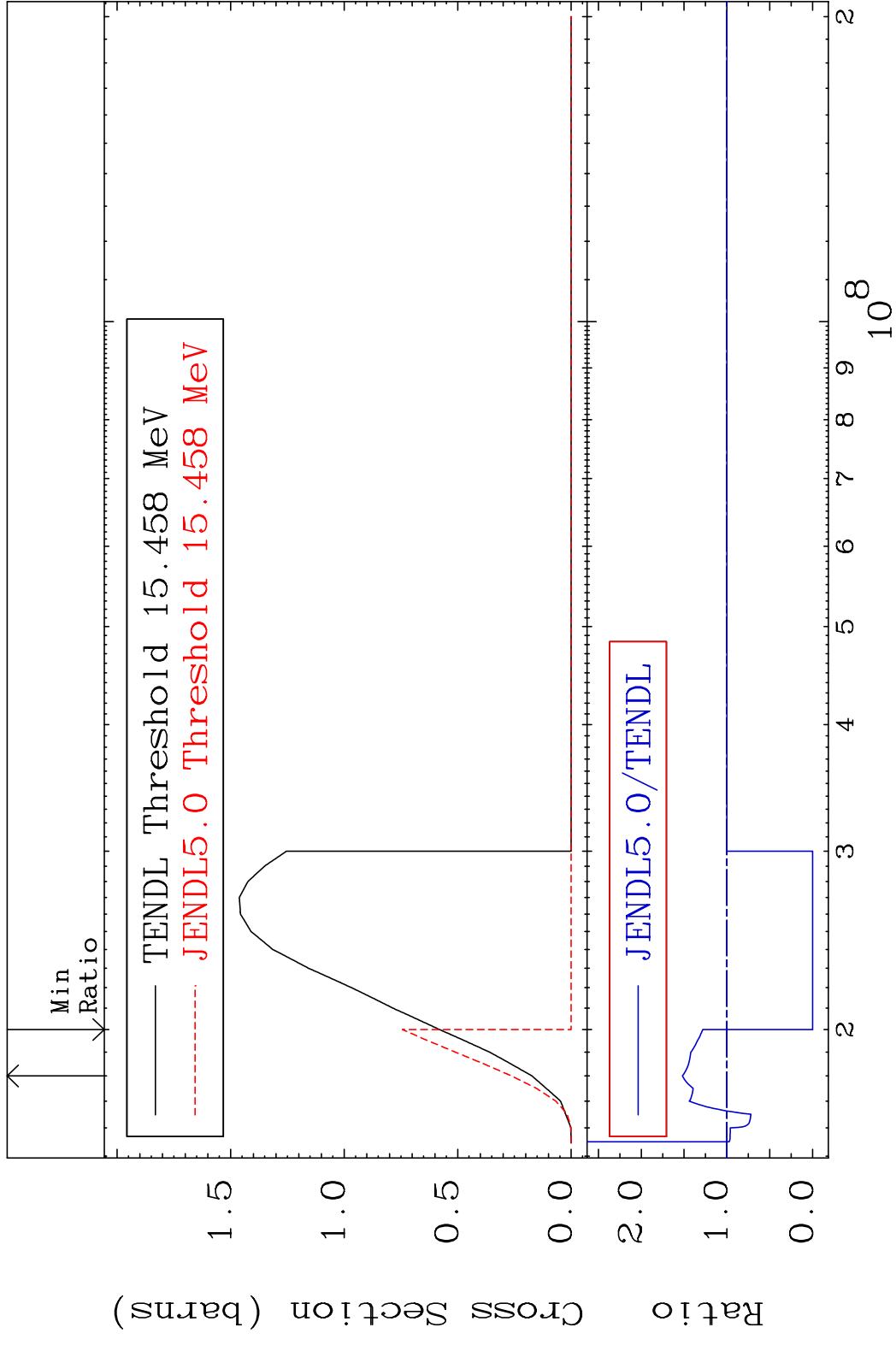


5

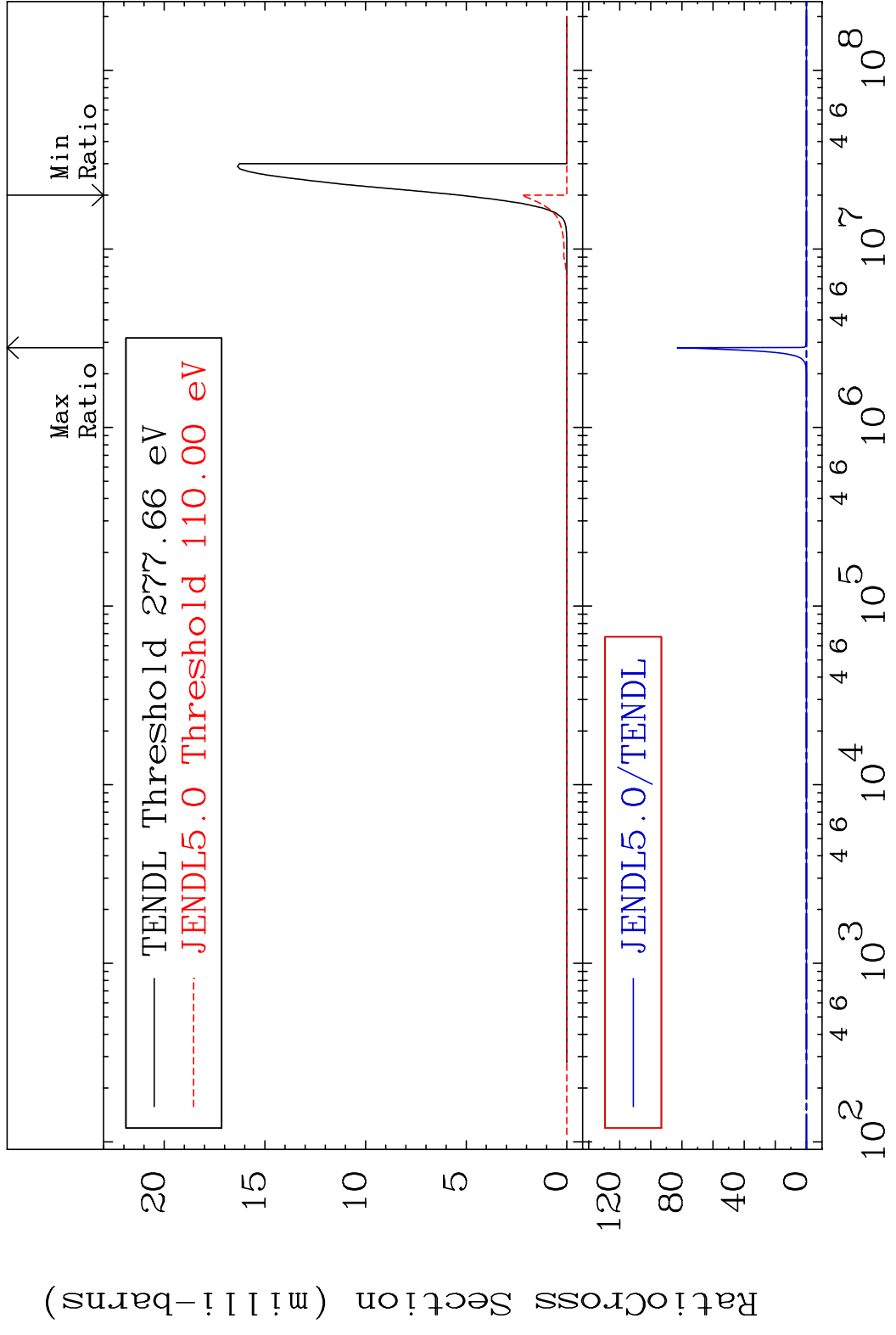
Incident Energy (eV)

74-W -180

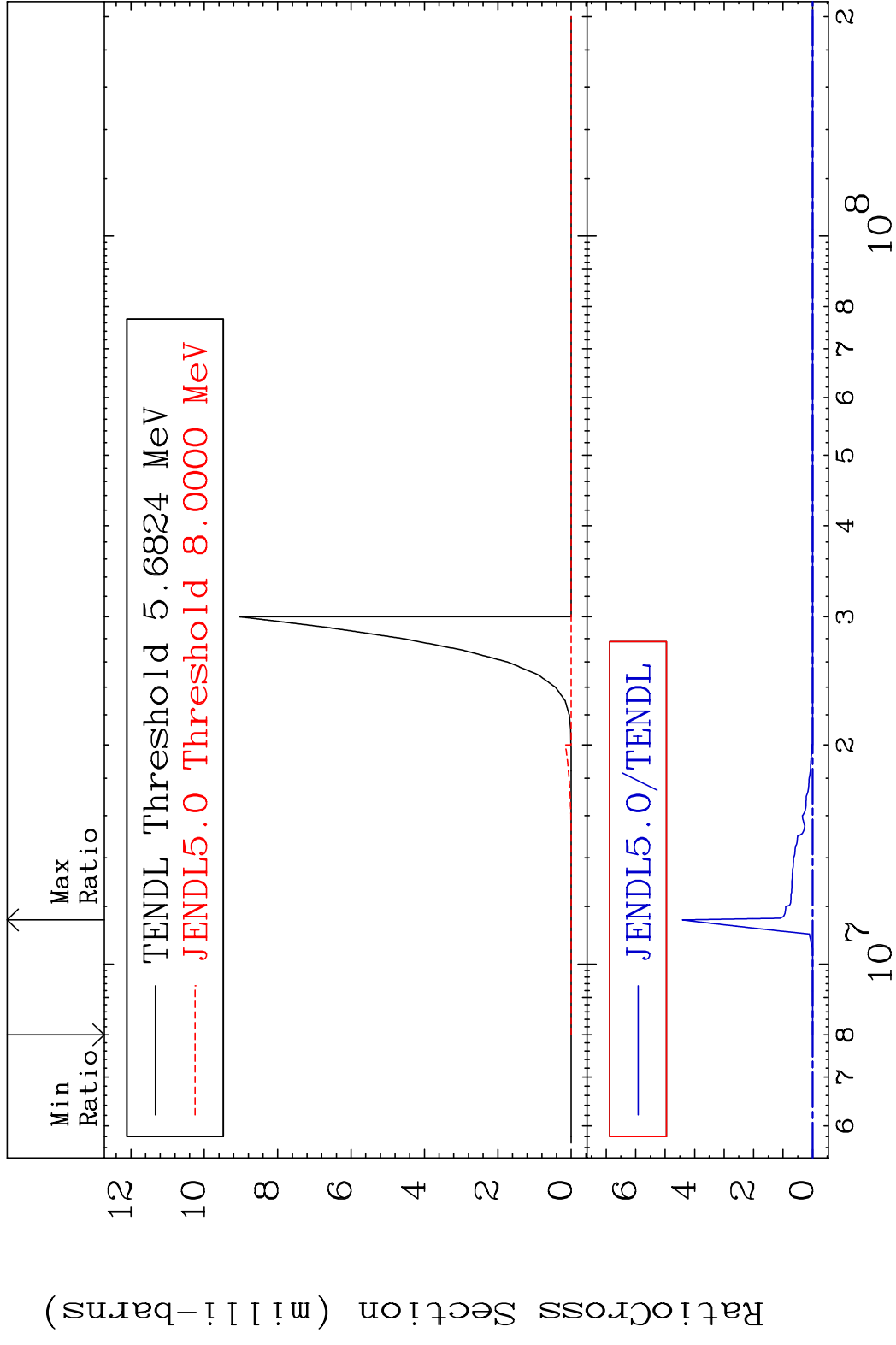
MAT 7425 (n,3n) 74-W -180
 Cross Section -100.0 To 52.01 %



MAT 7425 (n, n') α 74-W -180
 Cross Section -100.0 To 9999. %

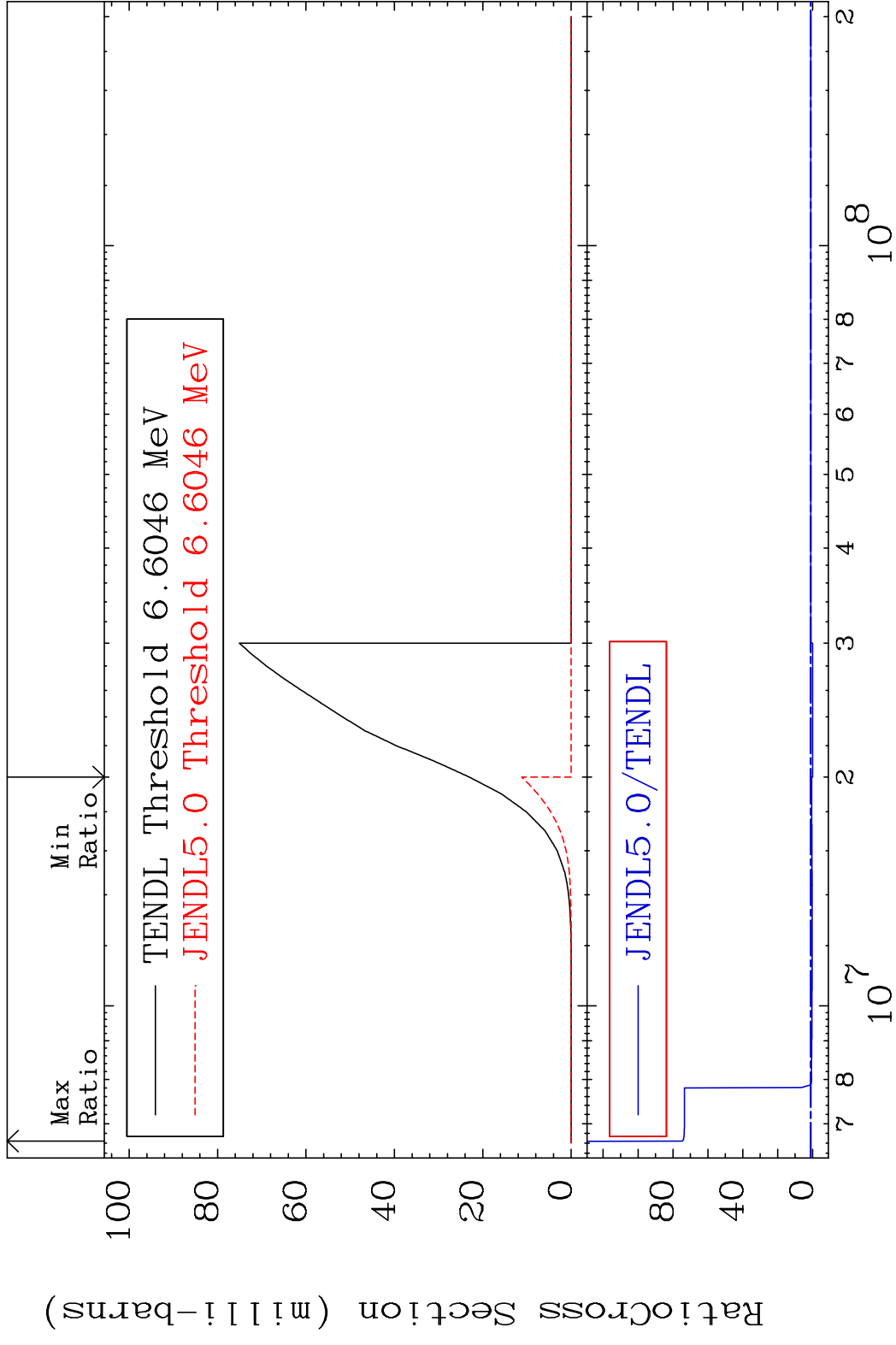


MAT 7425 (n,2n) α 74-W -180
 Cross Section -100.0 To 9999. %

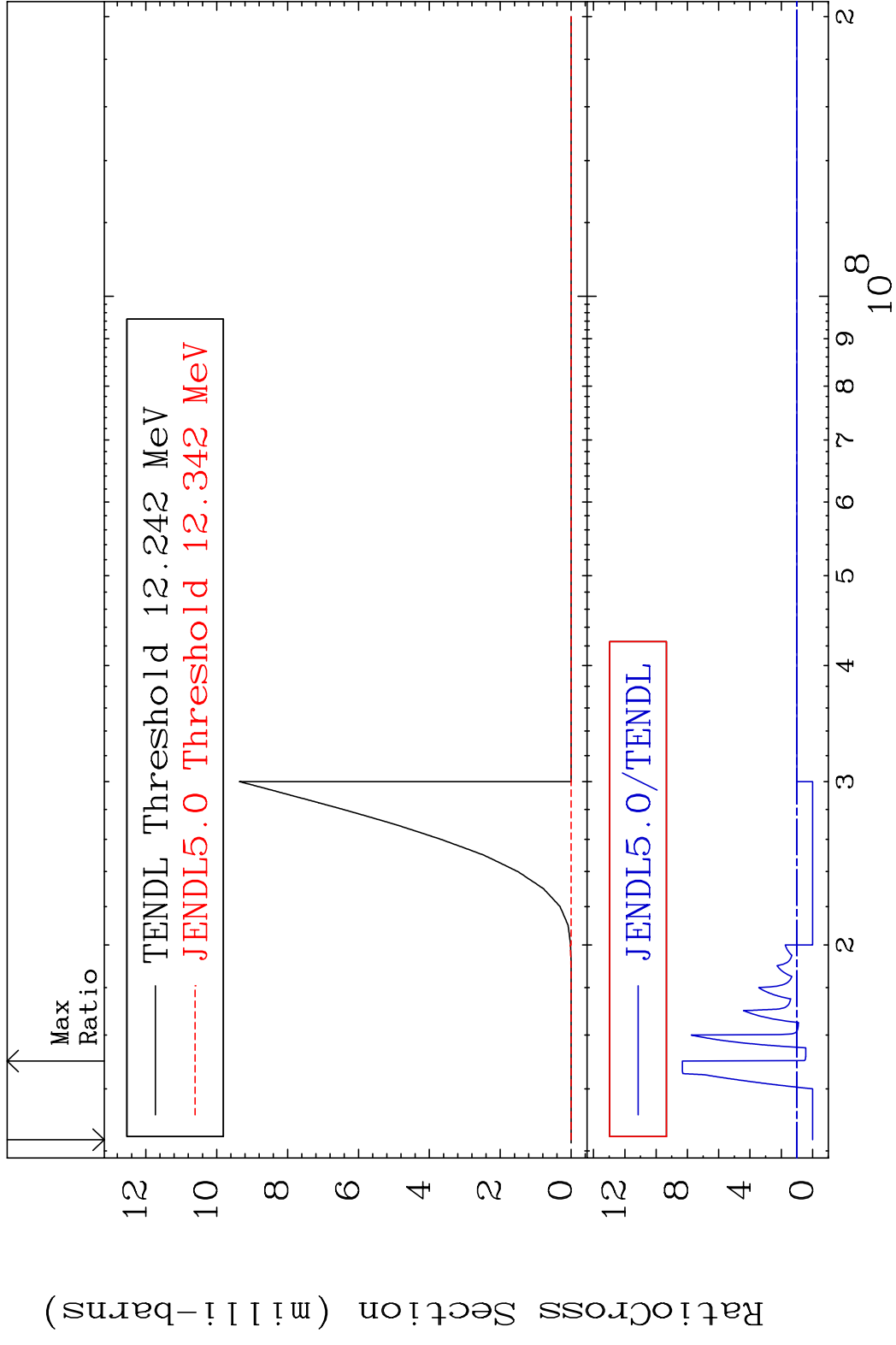


8 Incident Energy (eV) 74-W -180

MAT 7425 (n, n') p 74-W -180
 Cross Section -100.0 To 7361. %

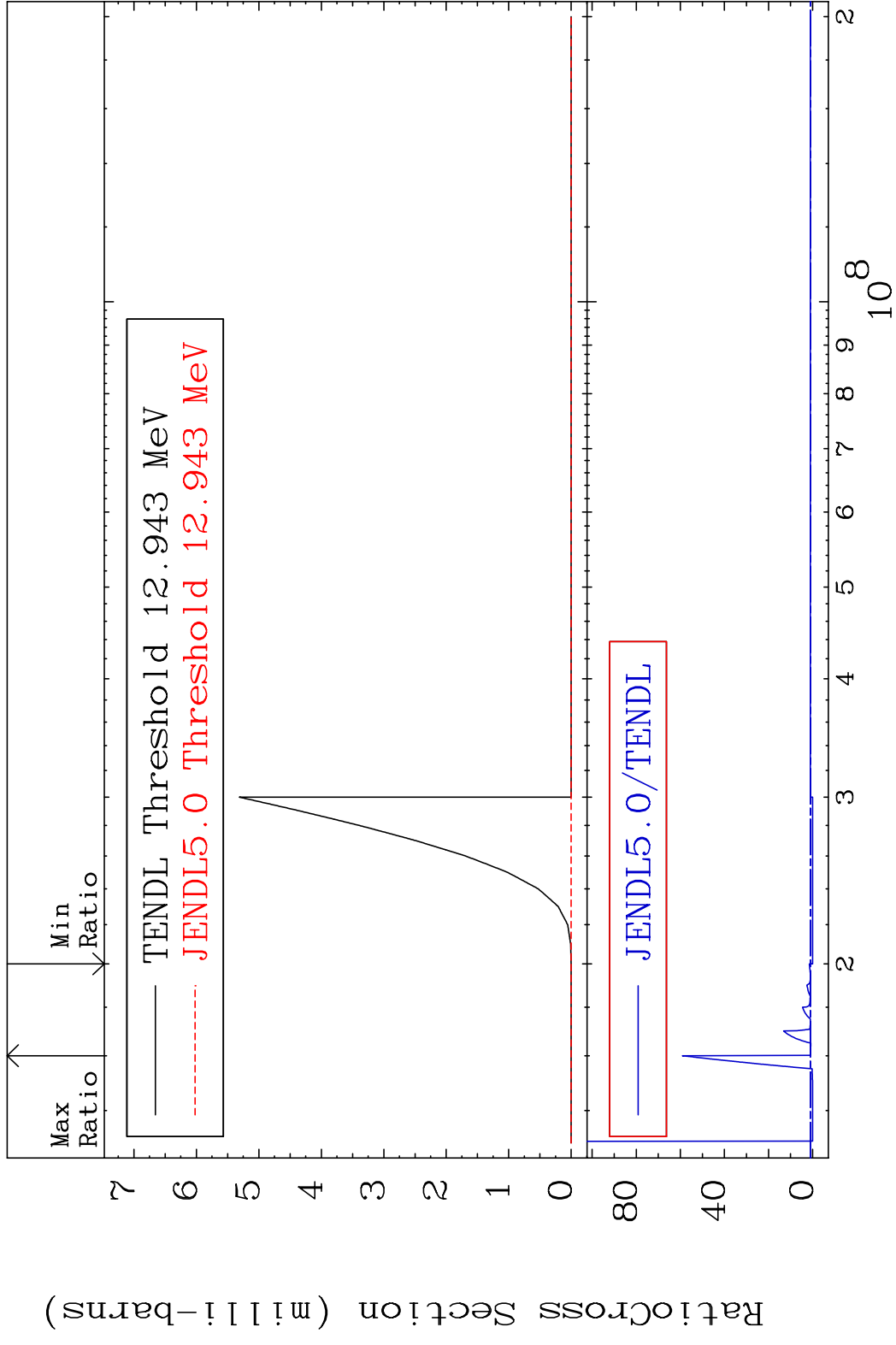


MAT 7425 (n, n') d 74-W -180
 Cross Section -100.0 To 732.2 %

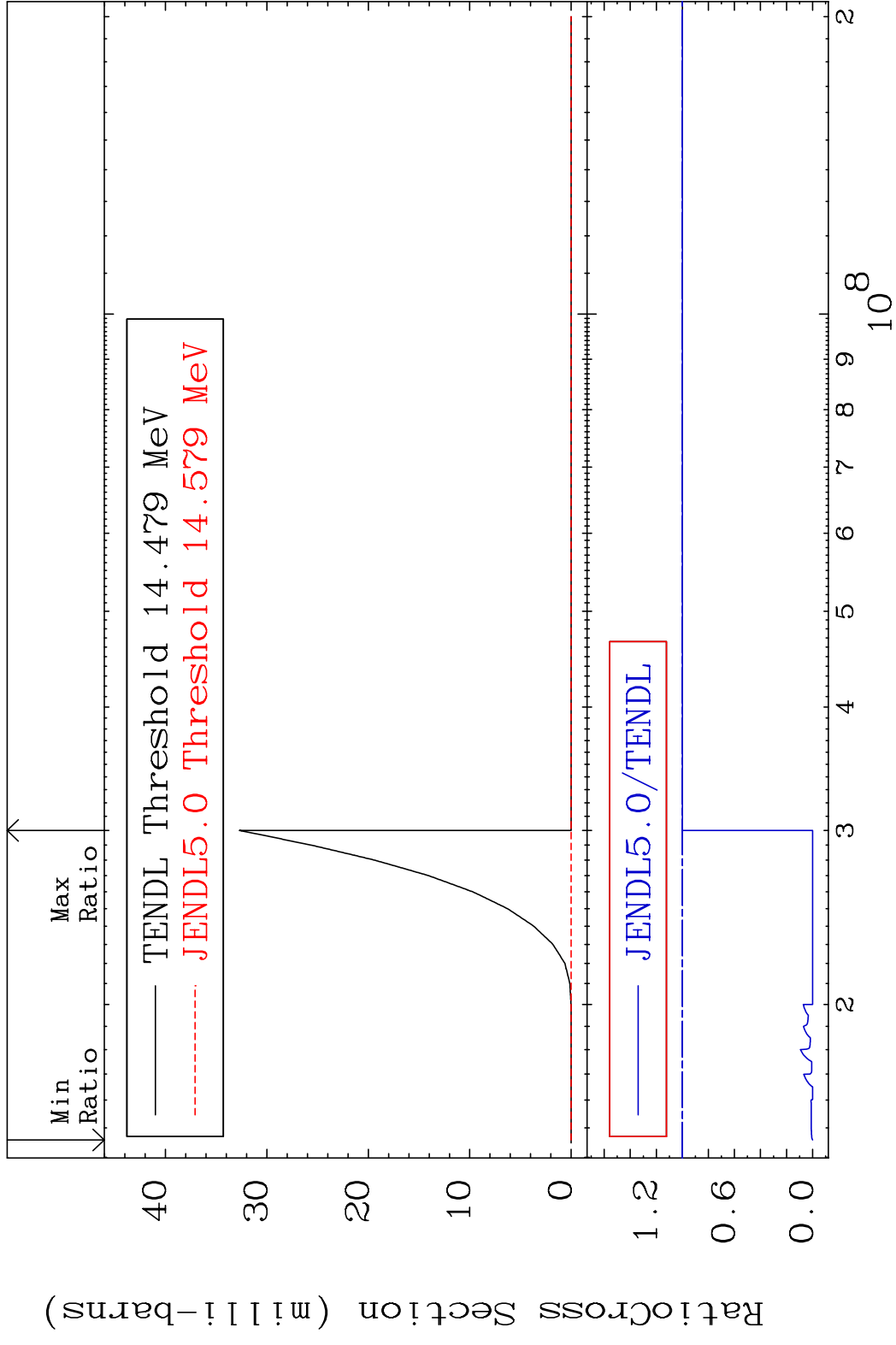


10 Incident Energy (eV) 74-W -180

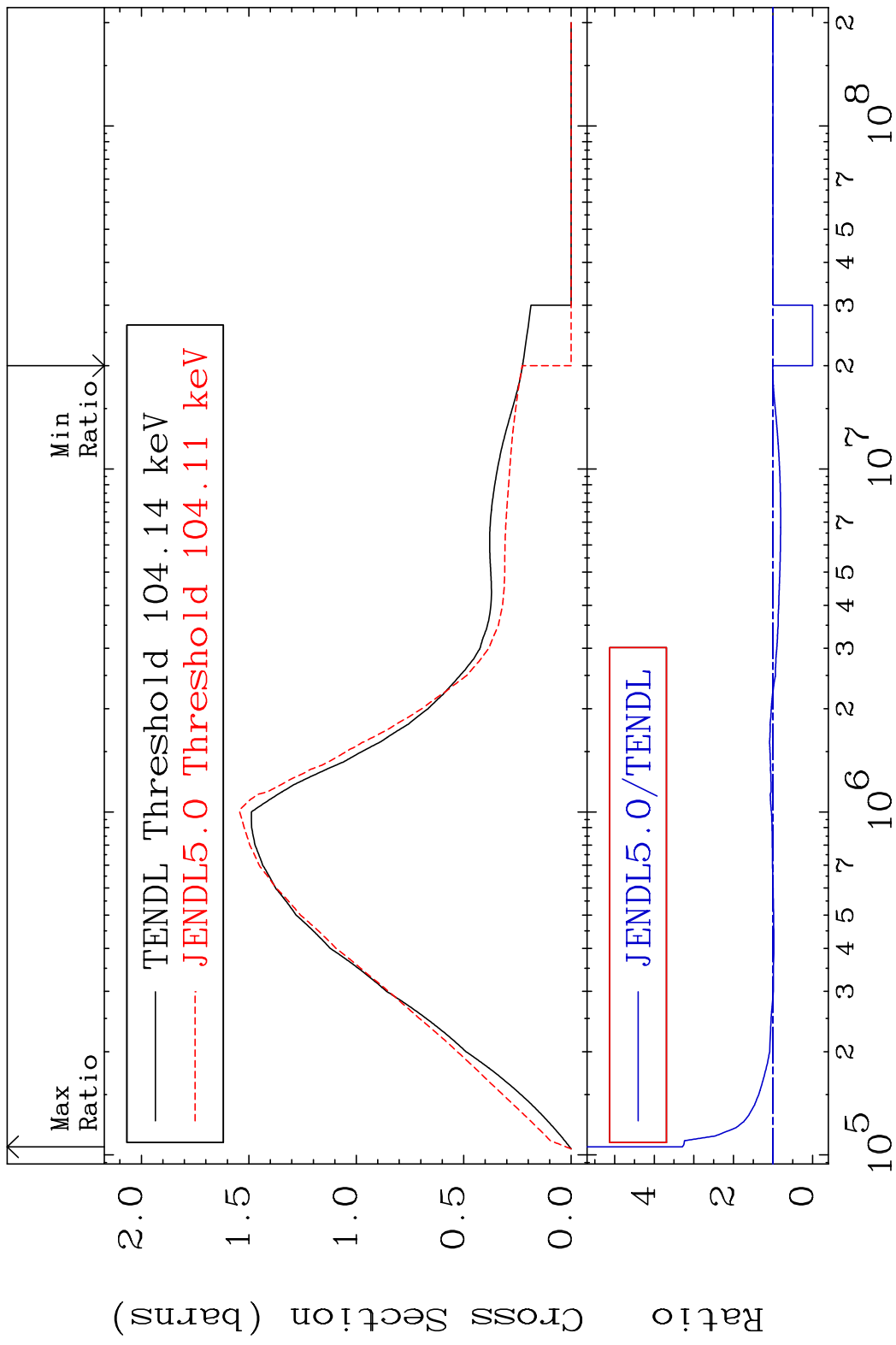
MAT 7425 (n, n') t 74-W -180
 Cross Section -100.0 To 5808. %



MAT 7425 (n,2n) p 74-W -180
 Cross Section -100.0 To 0.000 %

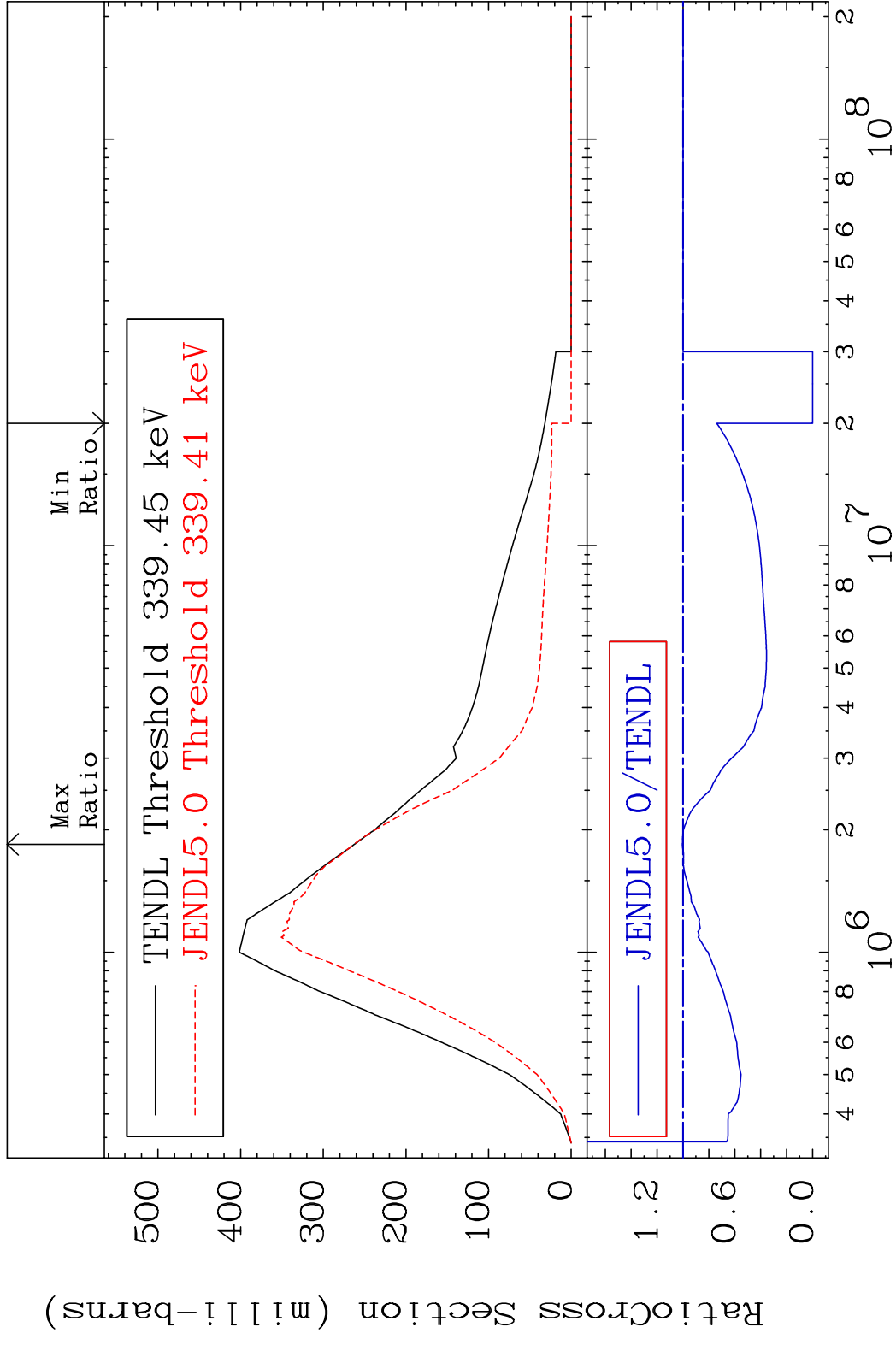


MAT 7425 MT= 51 (n, n') Level 74-W -180
 Cross Section -100.0 To 229.0 %

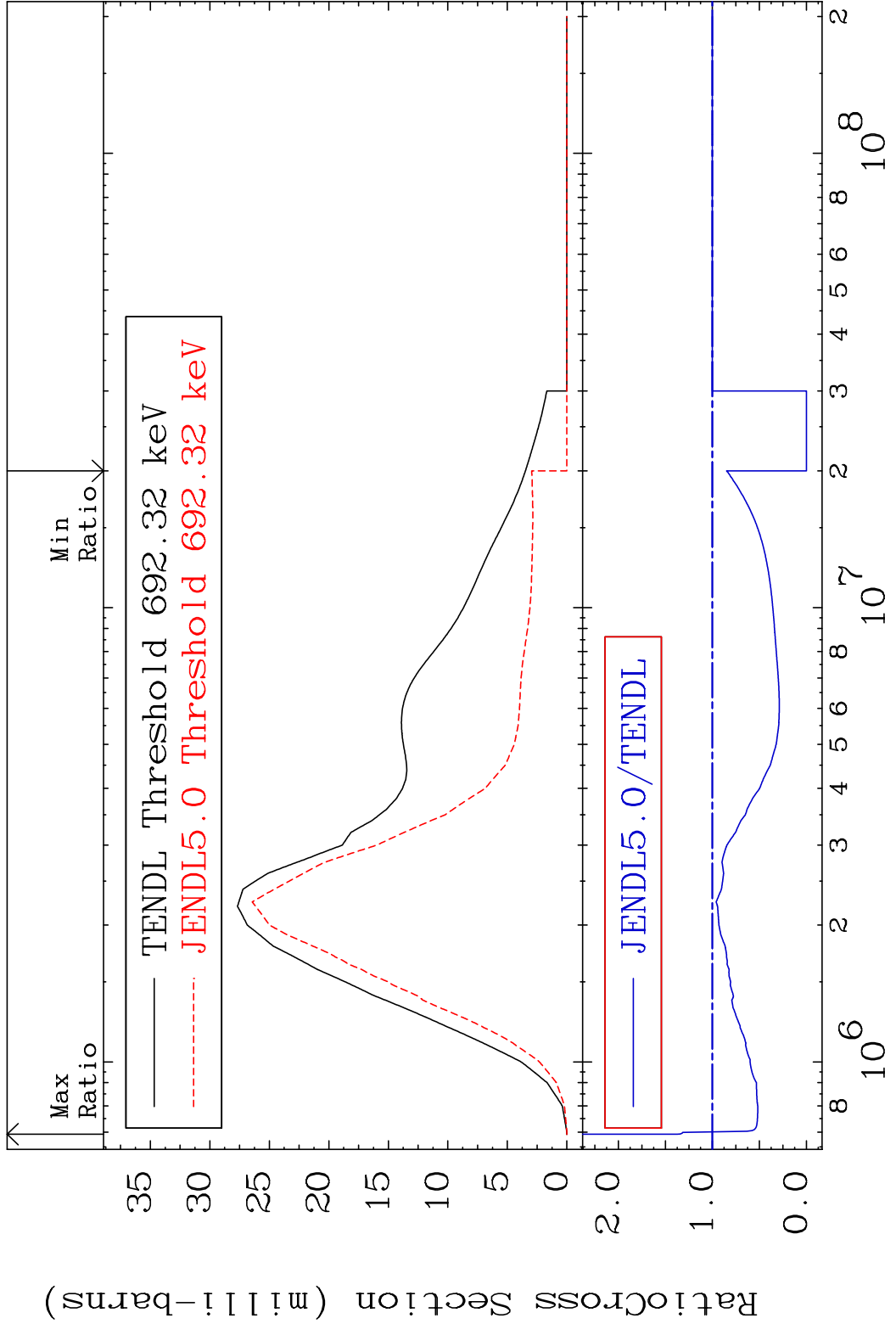


13 Incident Energy (eV) 74-W -180

MAT 7425 MT= 52 (n, n') Level 74-W -180
 Cross Section -100.0 To 0.475 %

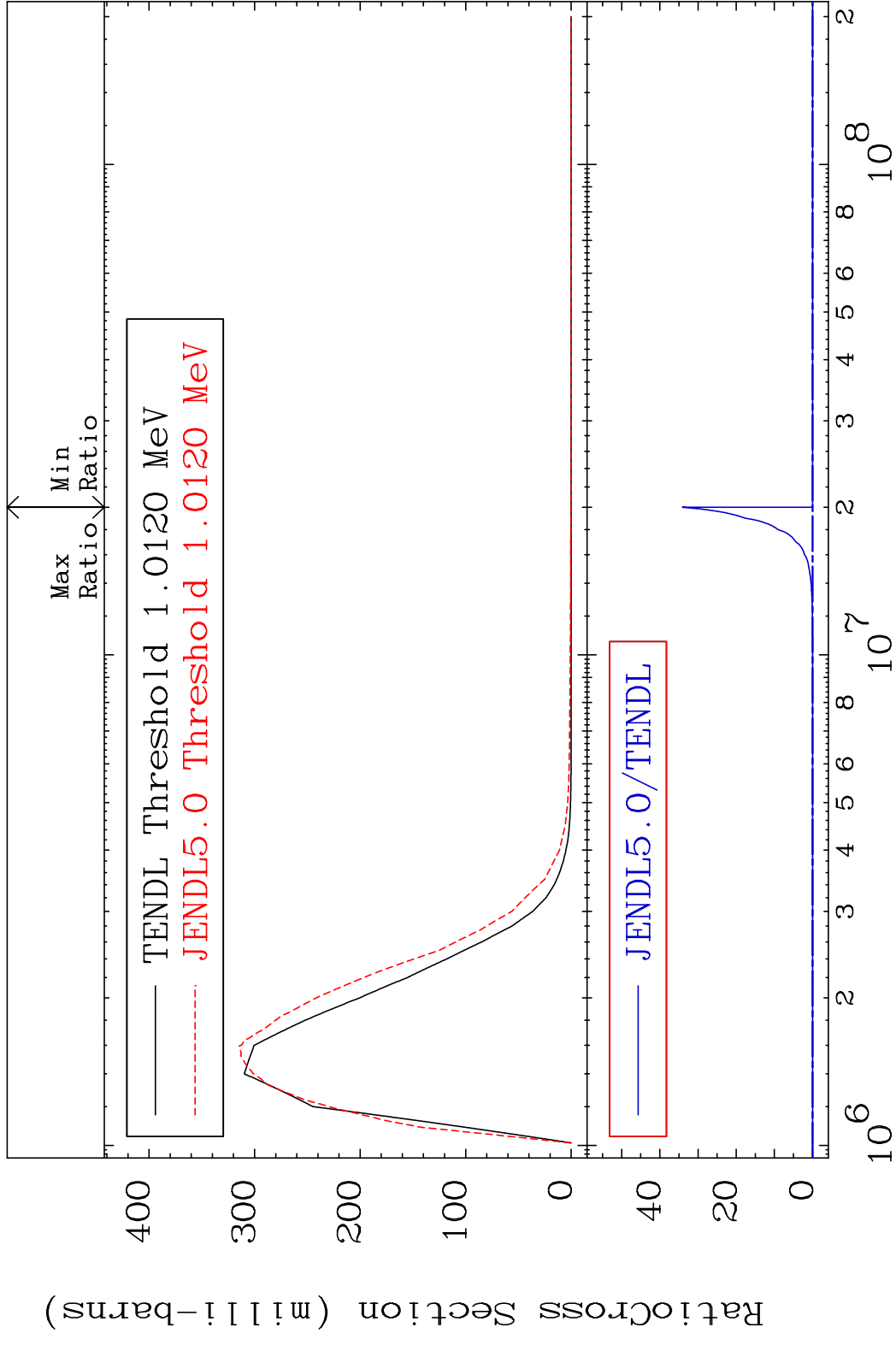


MAT 7425 MT= 53 (n, n') Level 74-W -180
 Cross Section -100.0 To 37.45 %



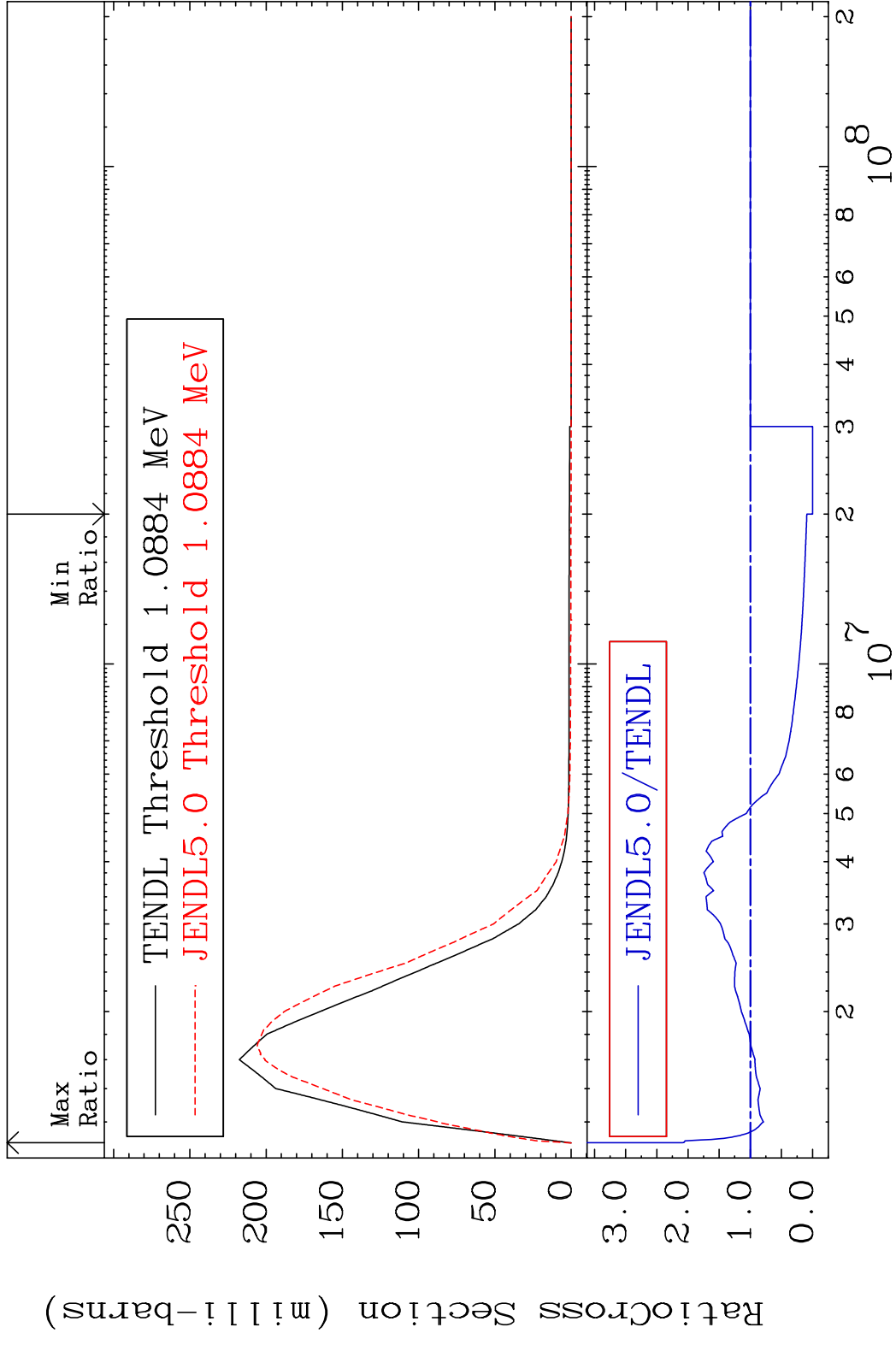
15 Incident Energy (eV) 74-W -180

MAT 7425 MT= 54 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %

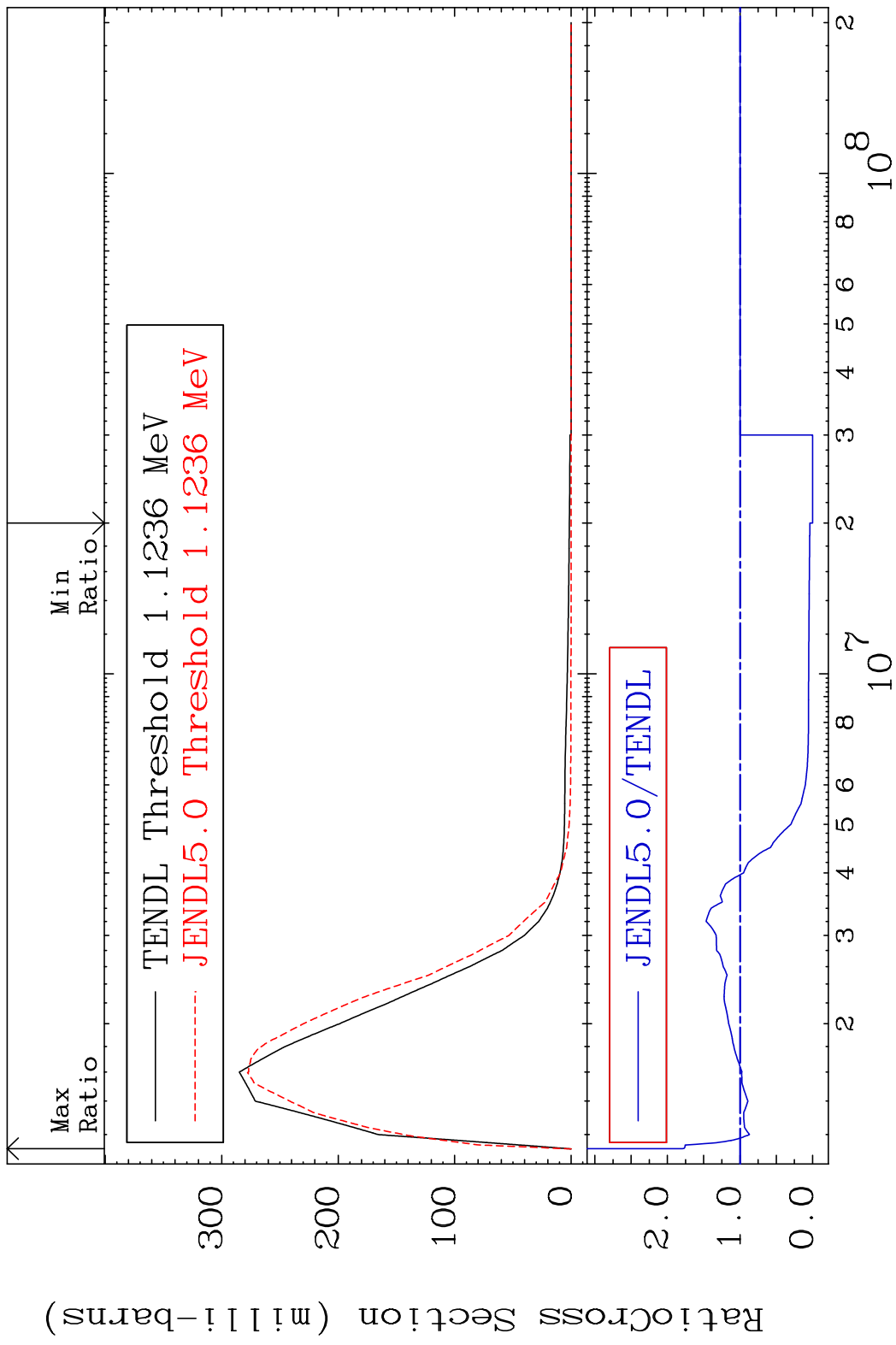


16 Incident Energy (eV) 74-W -180

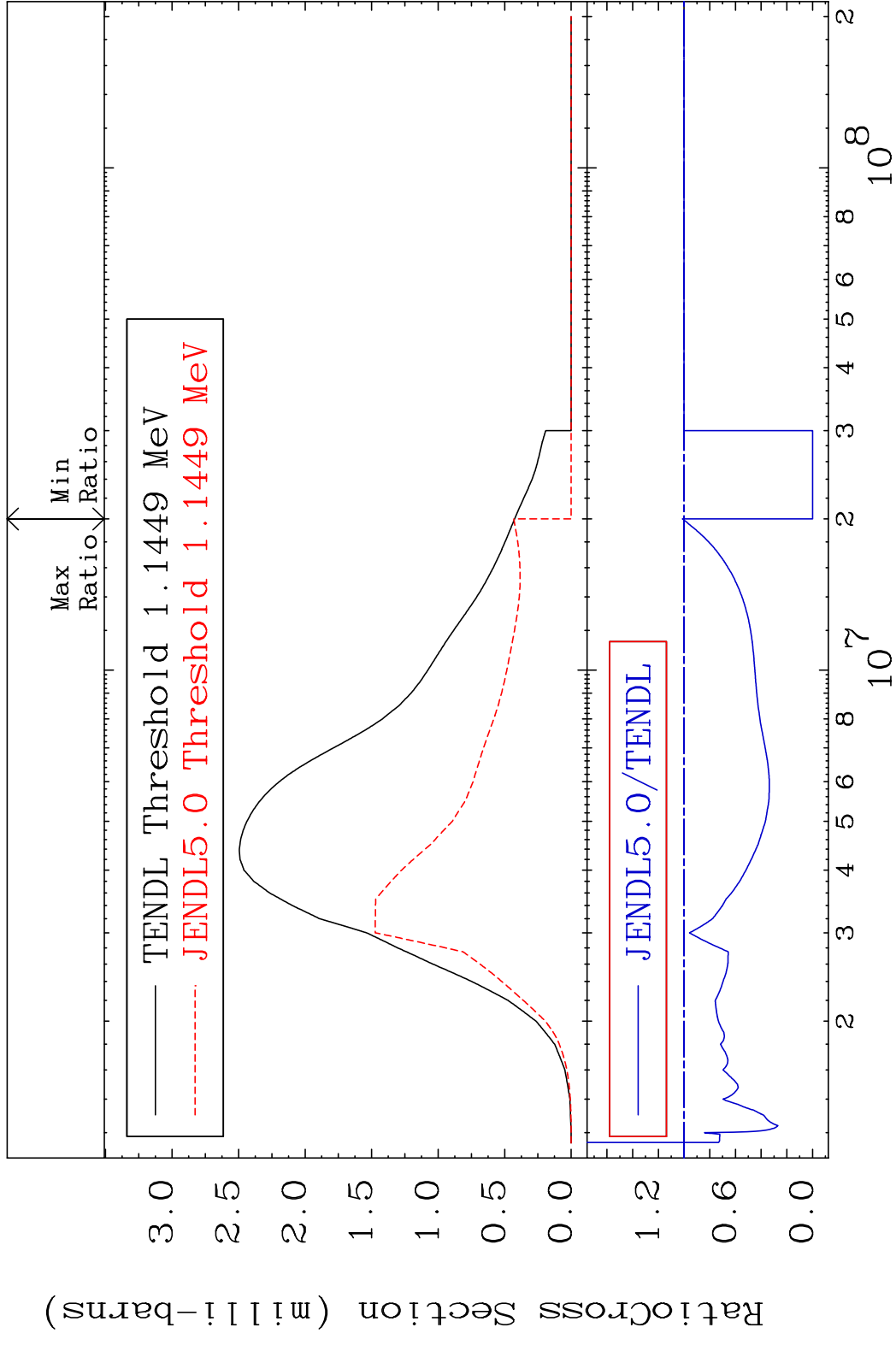
MAT 7425 MT= 55 (n, n') Level 74-W -180
 Cross Section -100.0 To 109.0 %



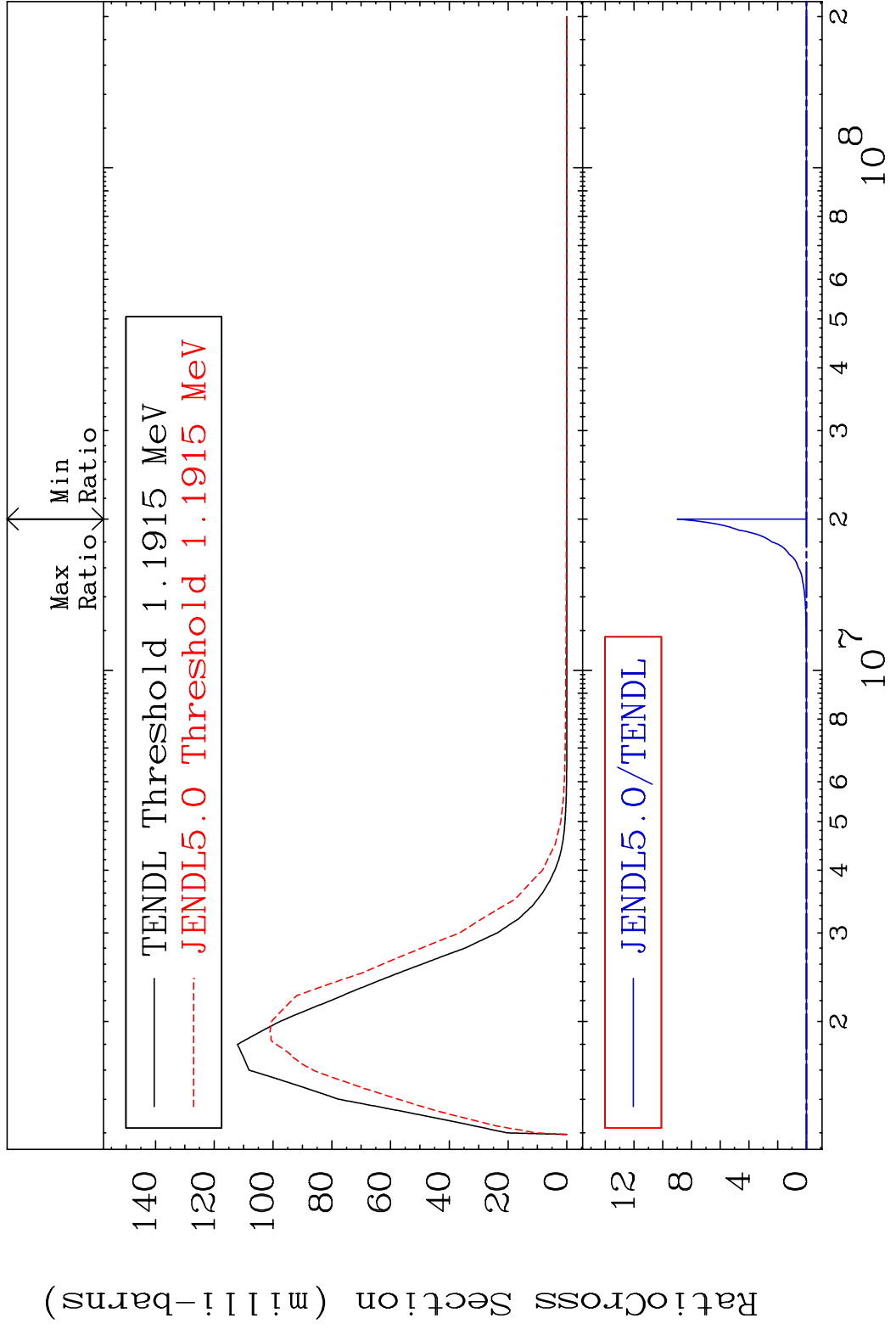
MAT 7425 MT= 56 (n, n') Level 74-W -180
 Cross Section -100.0 To 79.42 %



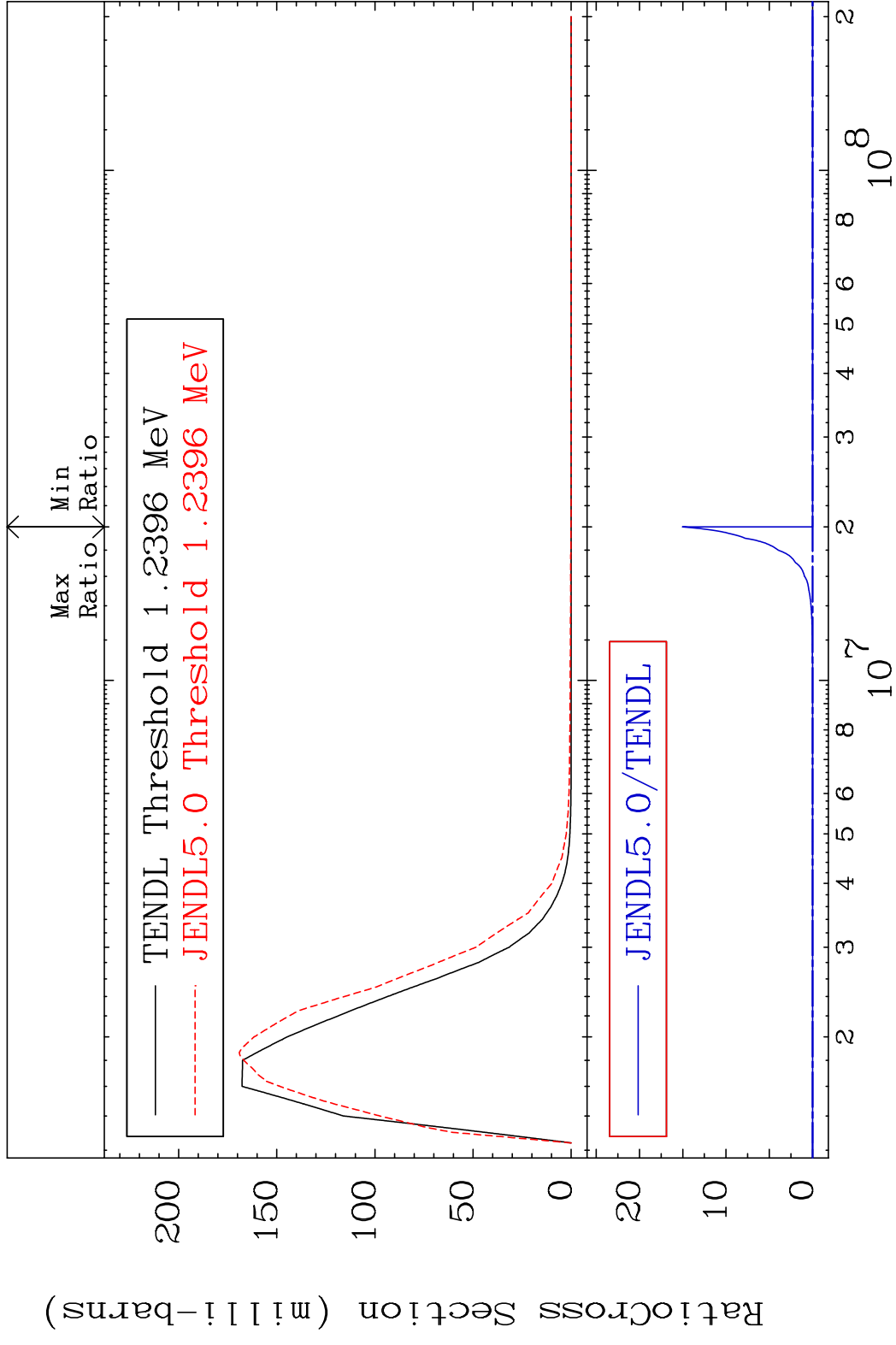
MAT 7425 MT= 57 (n, n') Level 74-W -180
 Cross Section -100.0 To 1.321 %



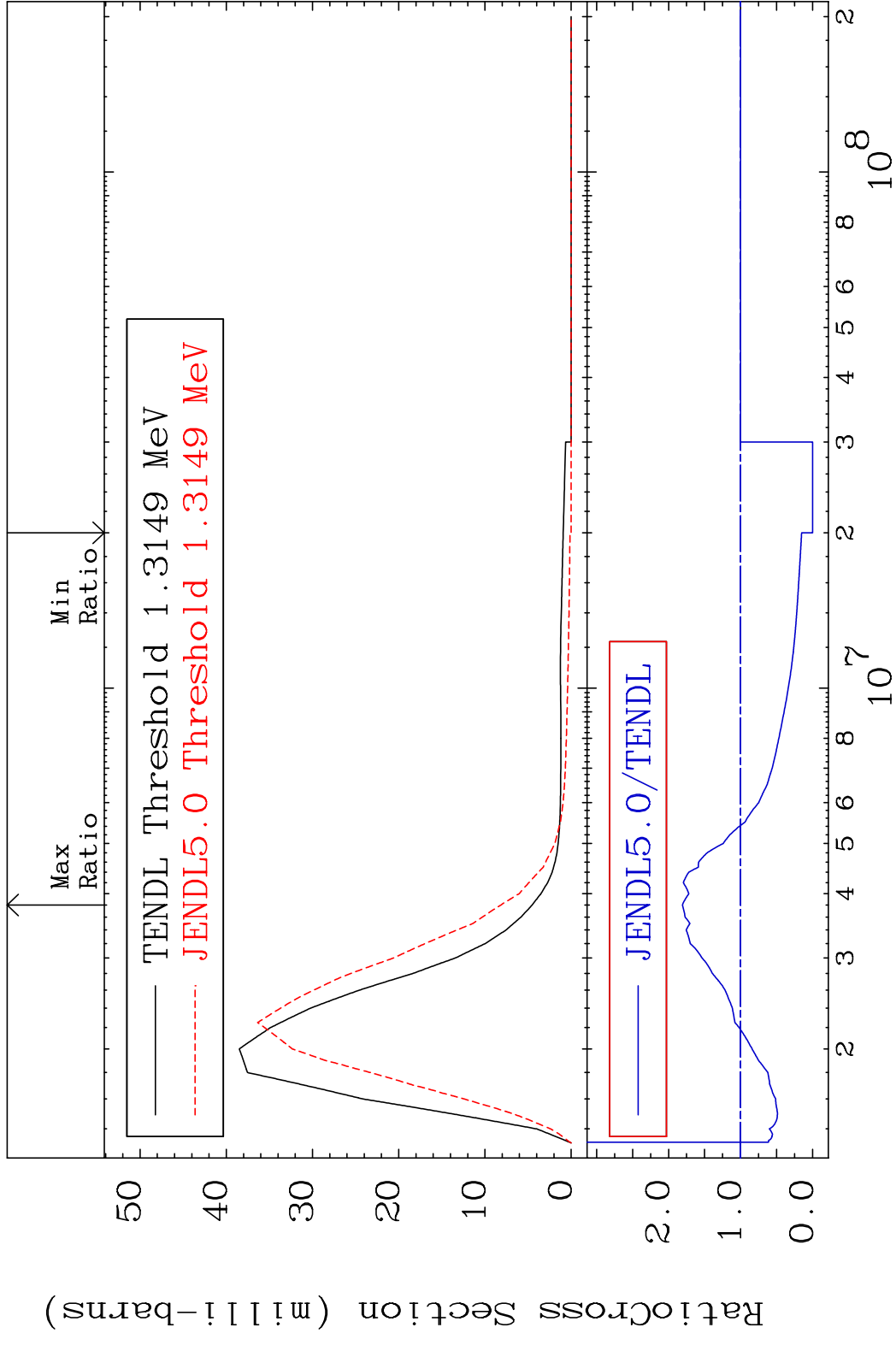
MAT 7425 MT= 58 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



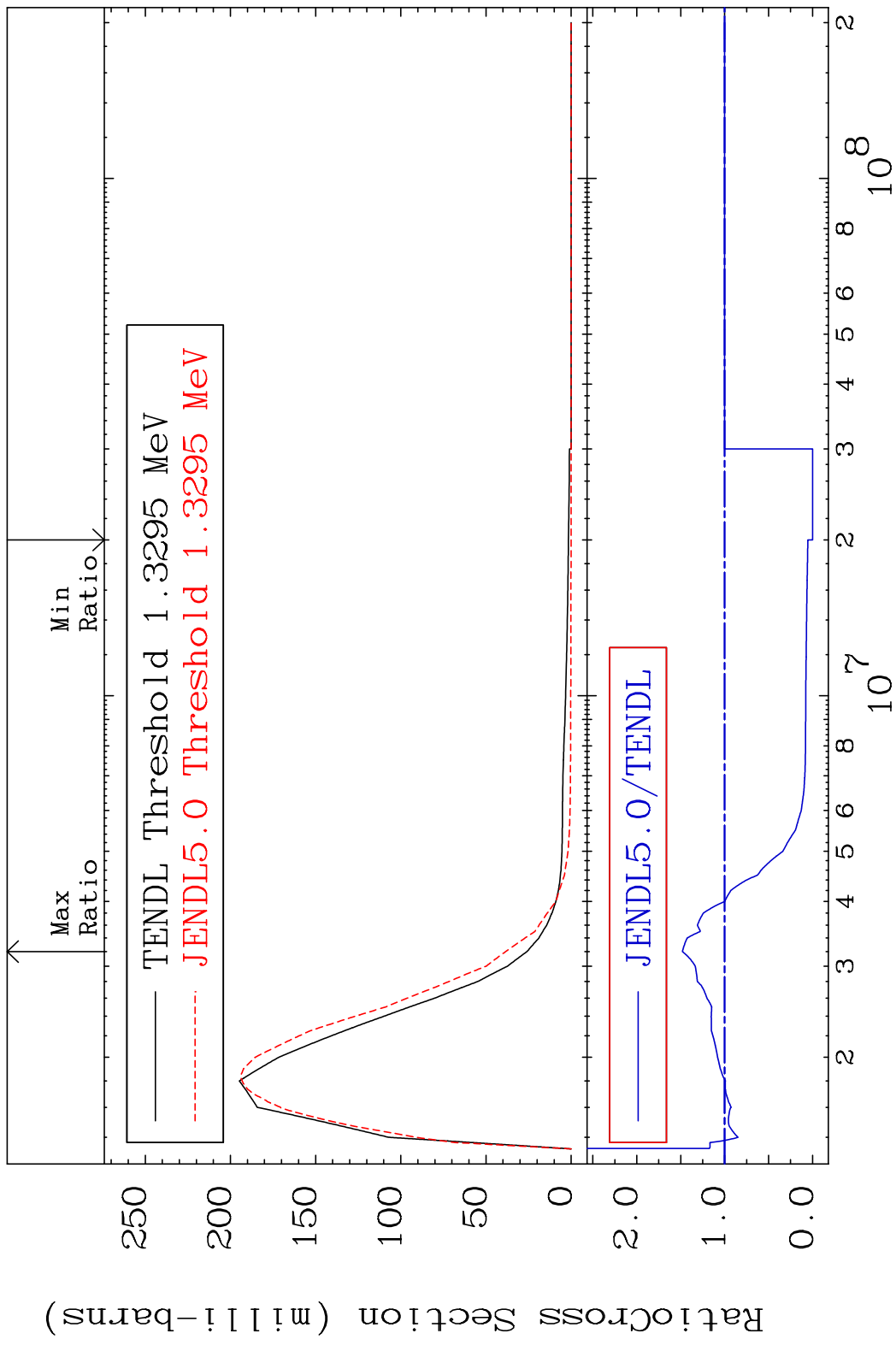
MAT 7425 MT= 59 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



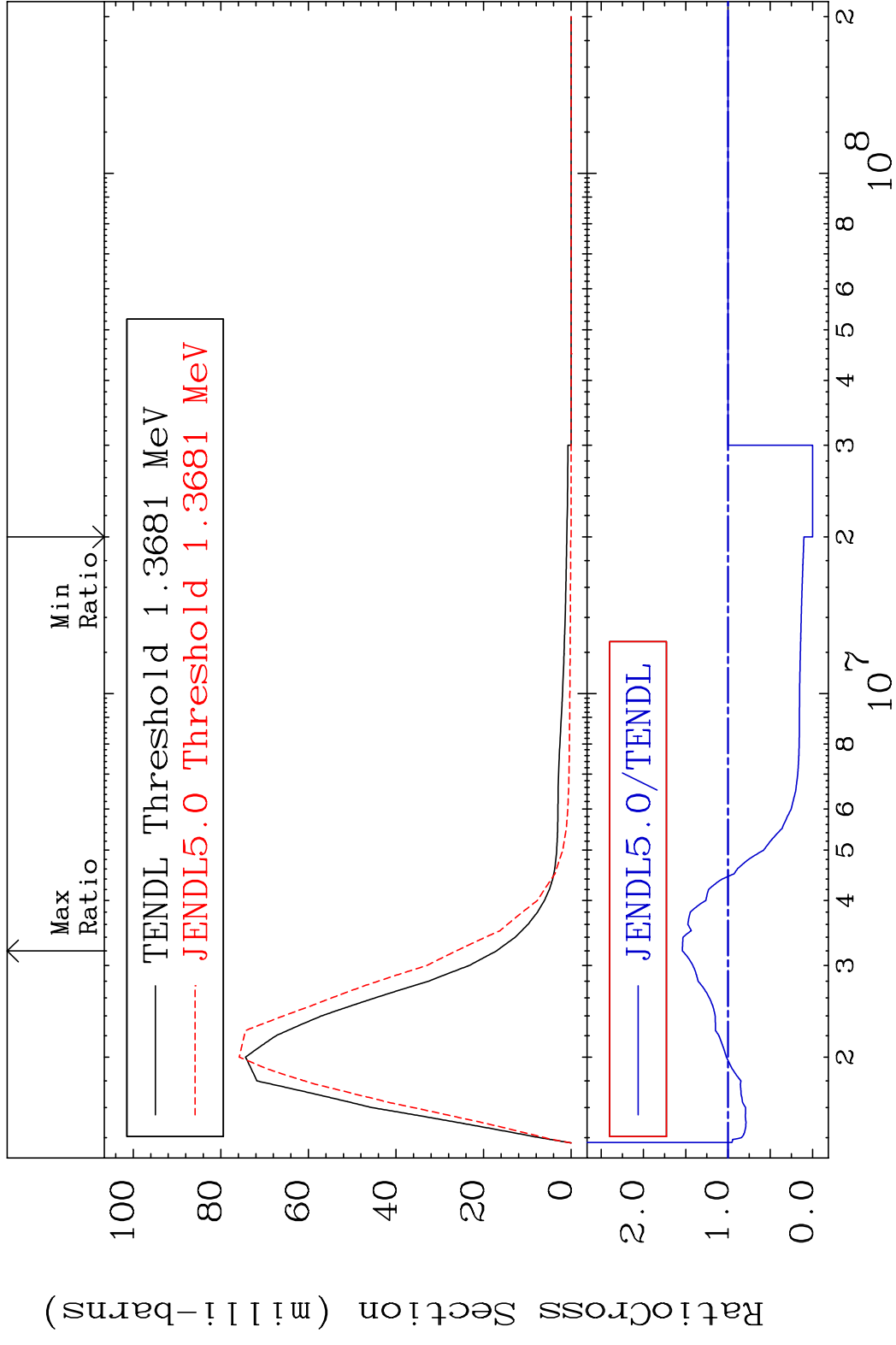
MAT 7425 MT= 60 (n, n') Level 74-W -180
 Cross Section -100.0 To 80.90 %



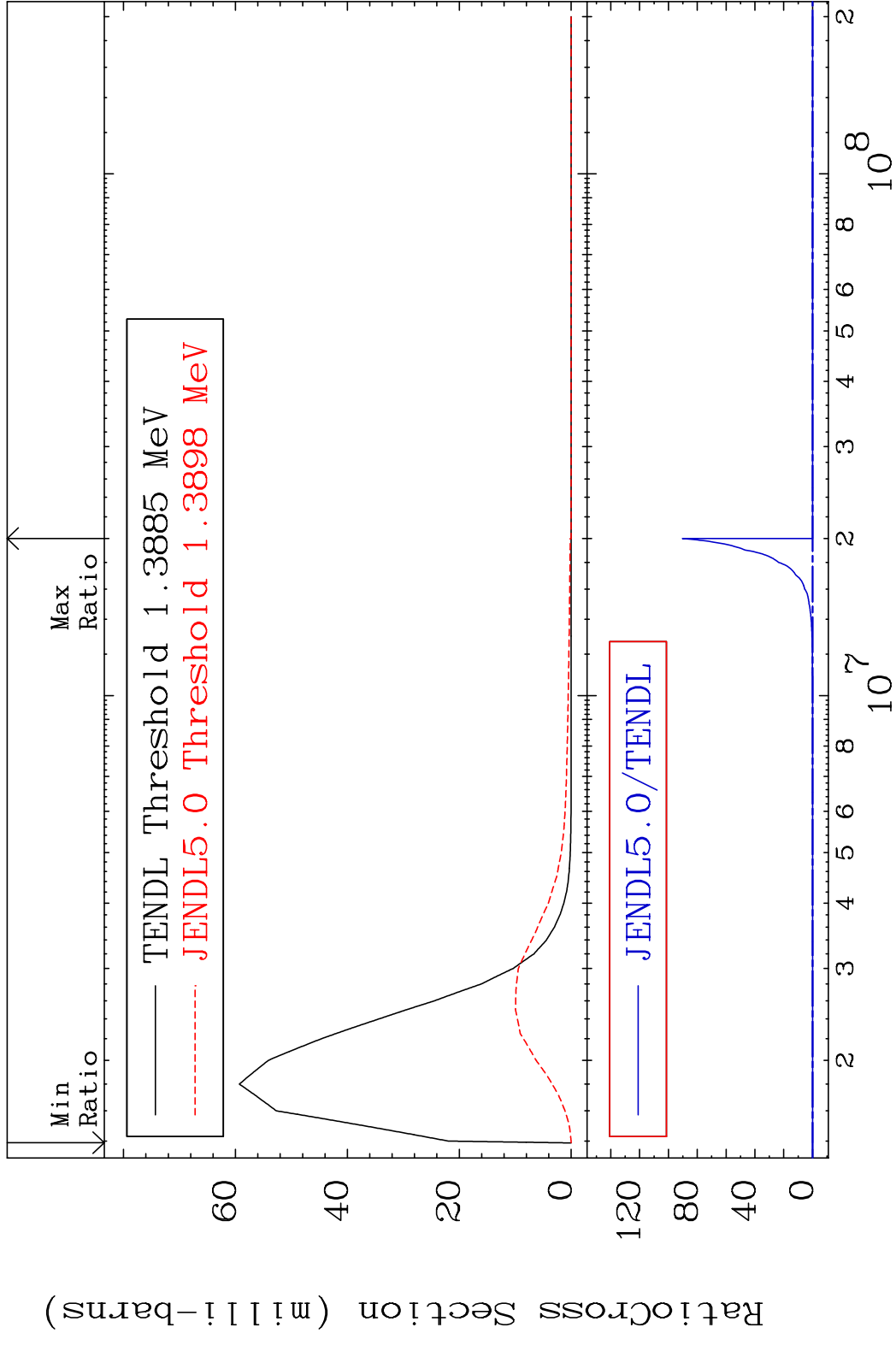
MAT 7425 MT= 61 (n, n') Level 74-W -180
 Cross Section -100.0 To 48.14 %



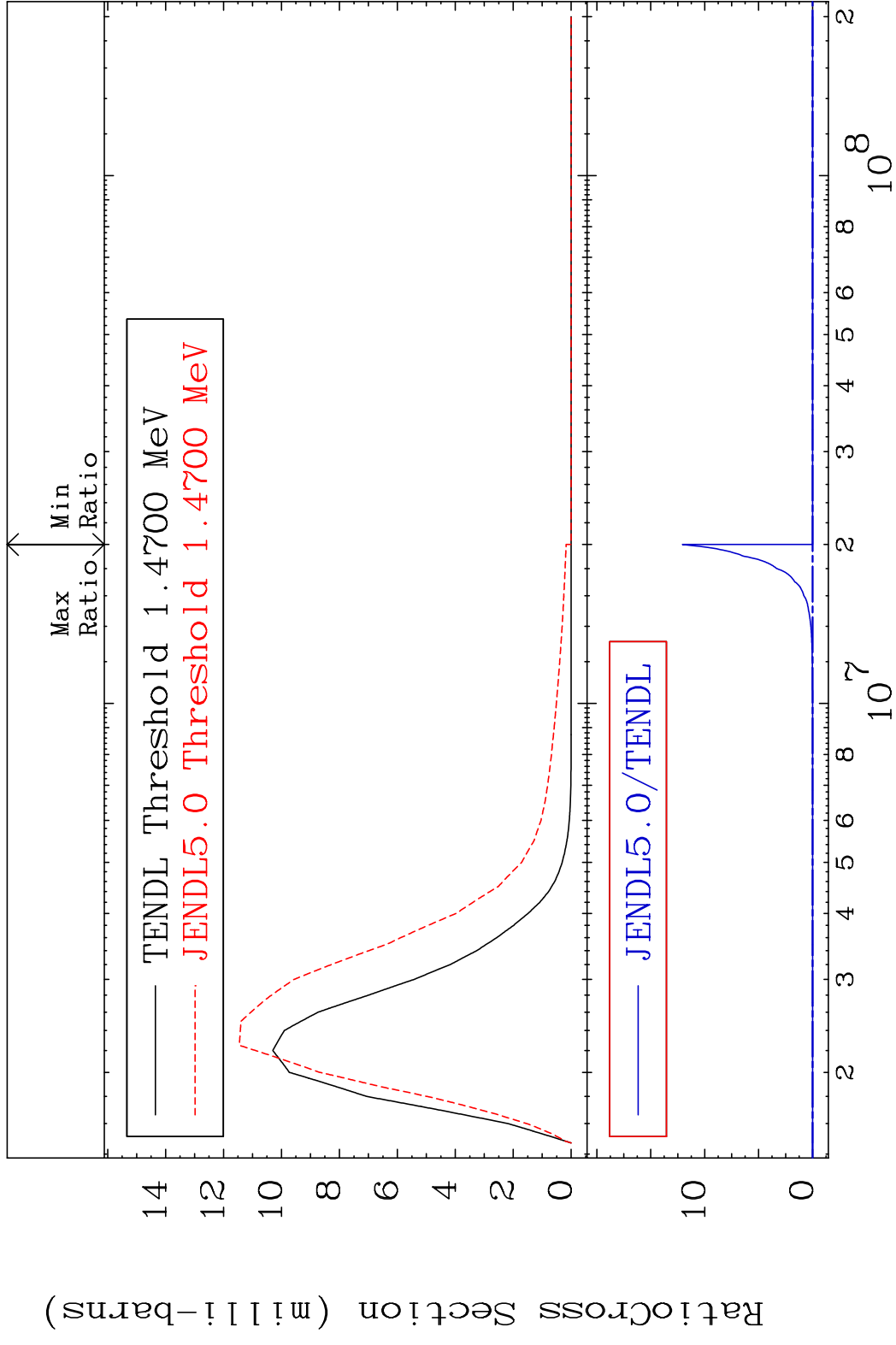
MAT 7425 MT= 62 (n, n') Level 74-W -180
 Cross Section -100.0 To 54.01 %



MAT 7425 MT= 63 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %

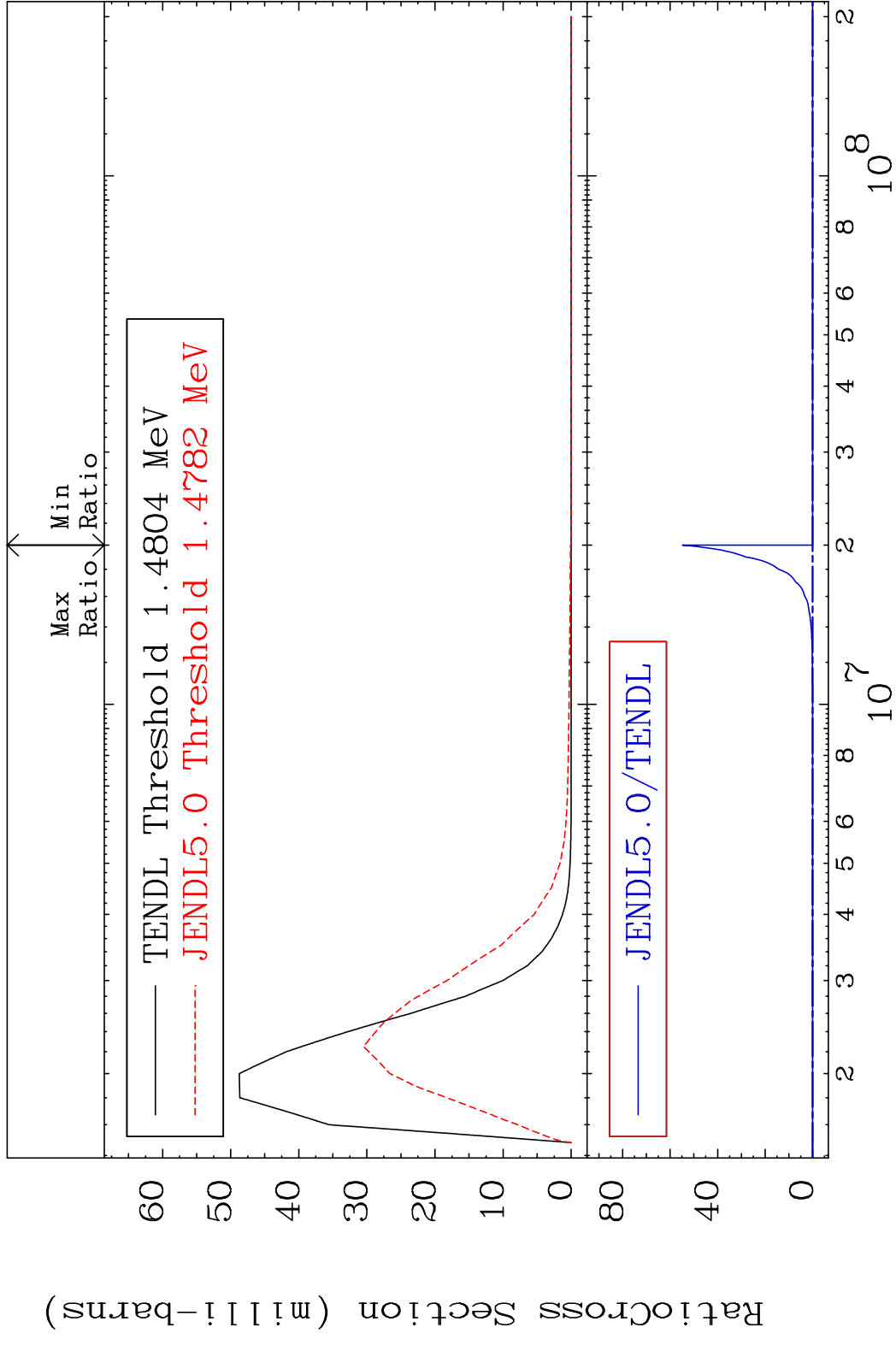


MAT 7425 MT= 64 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %

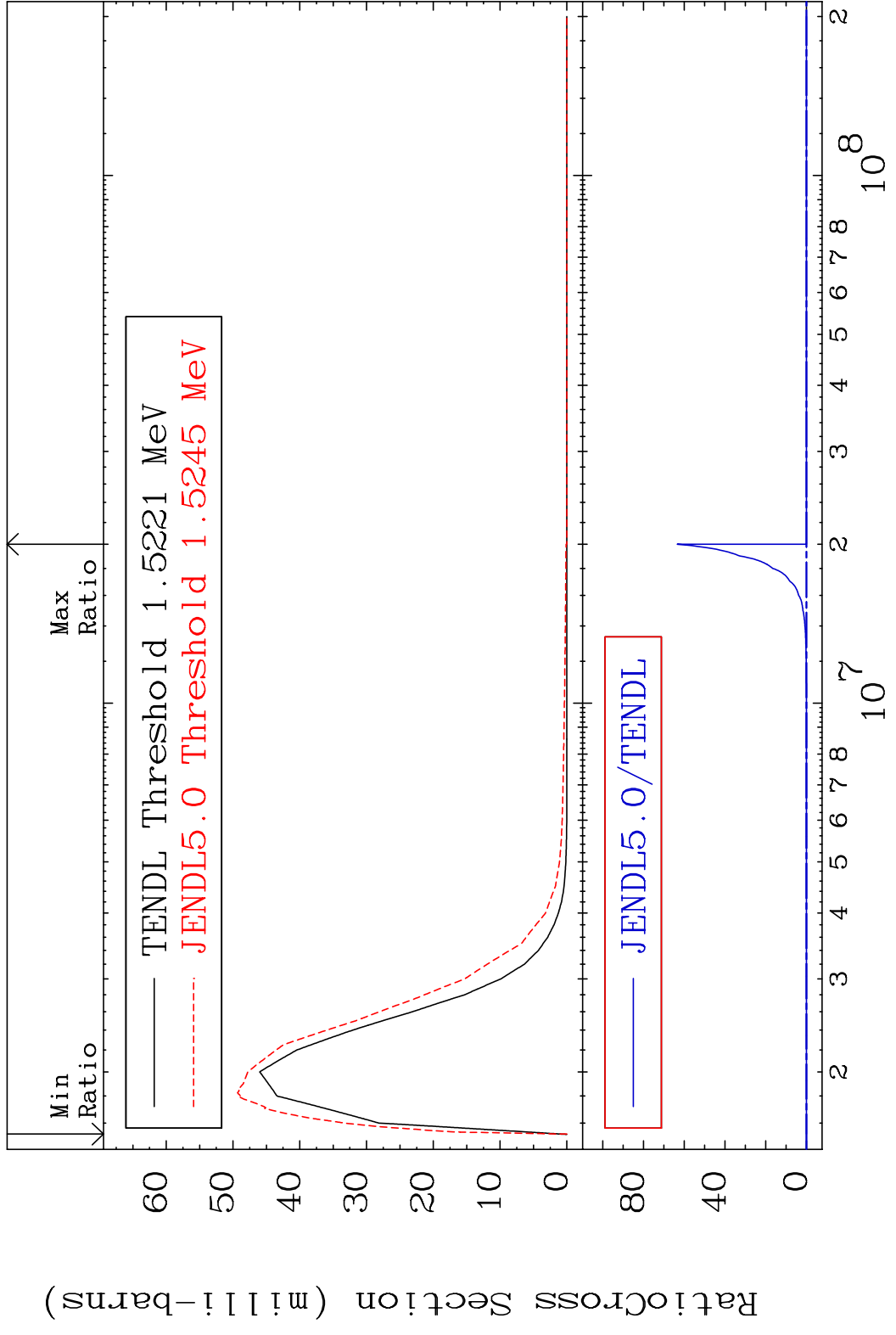


26 Incident Energy (eV) 74-W -180

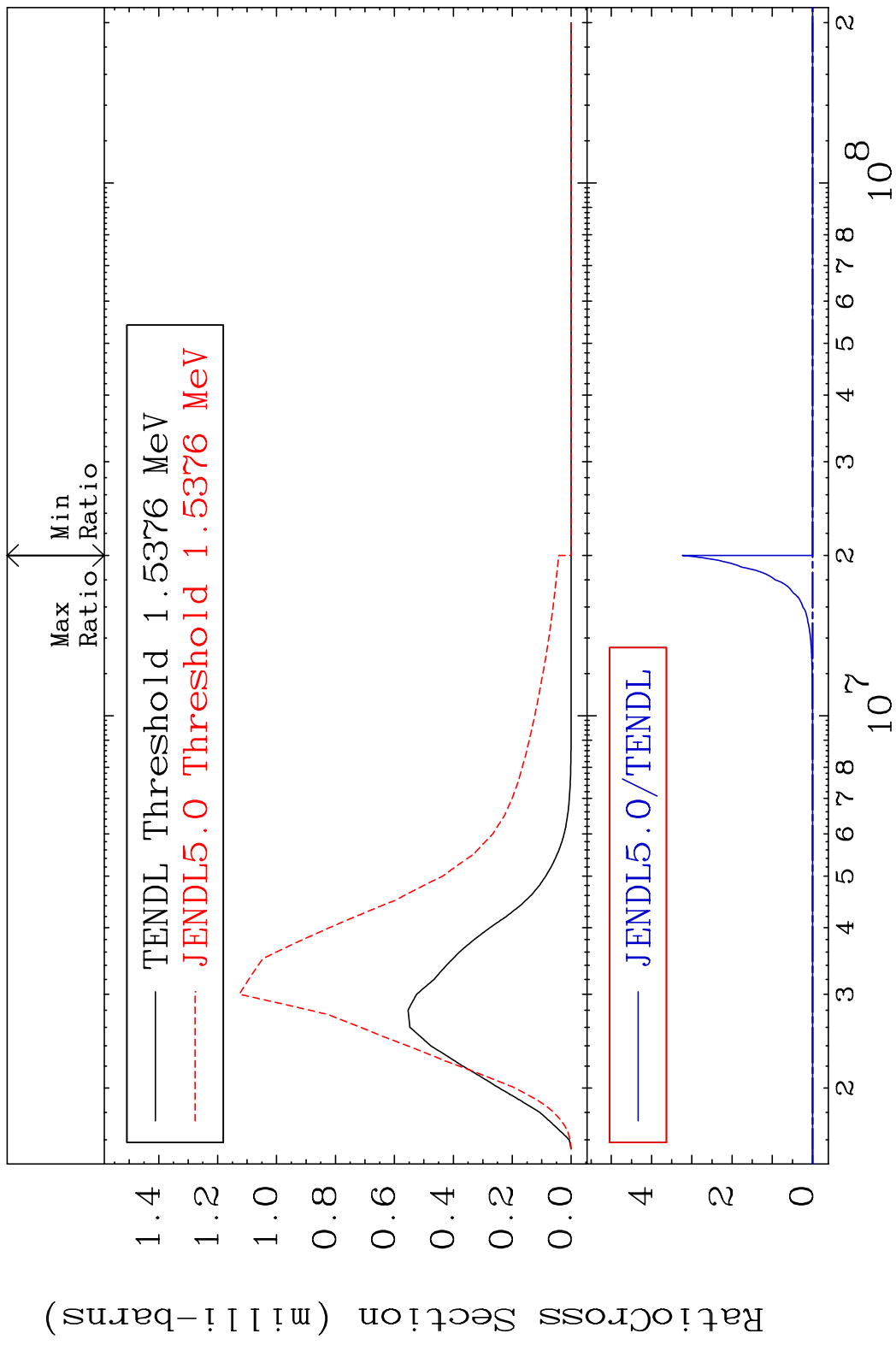
MAT 7425 MT= 65 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



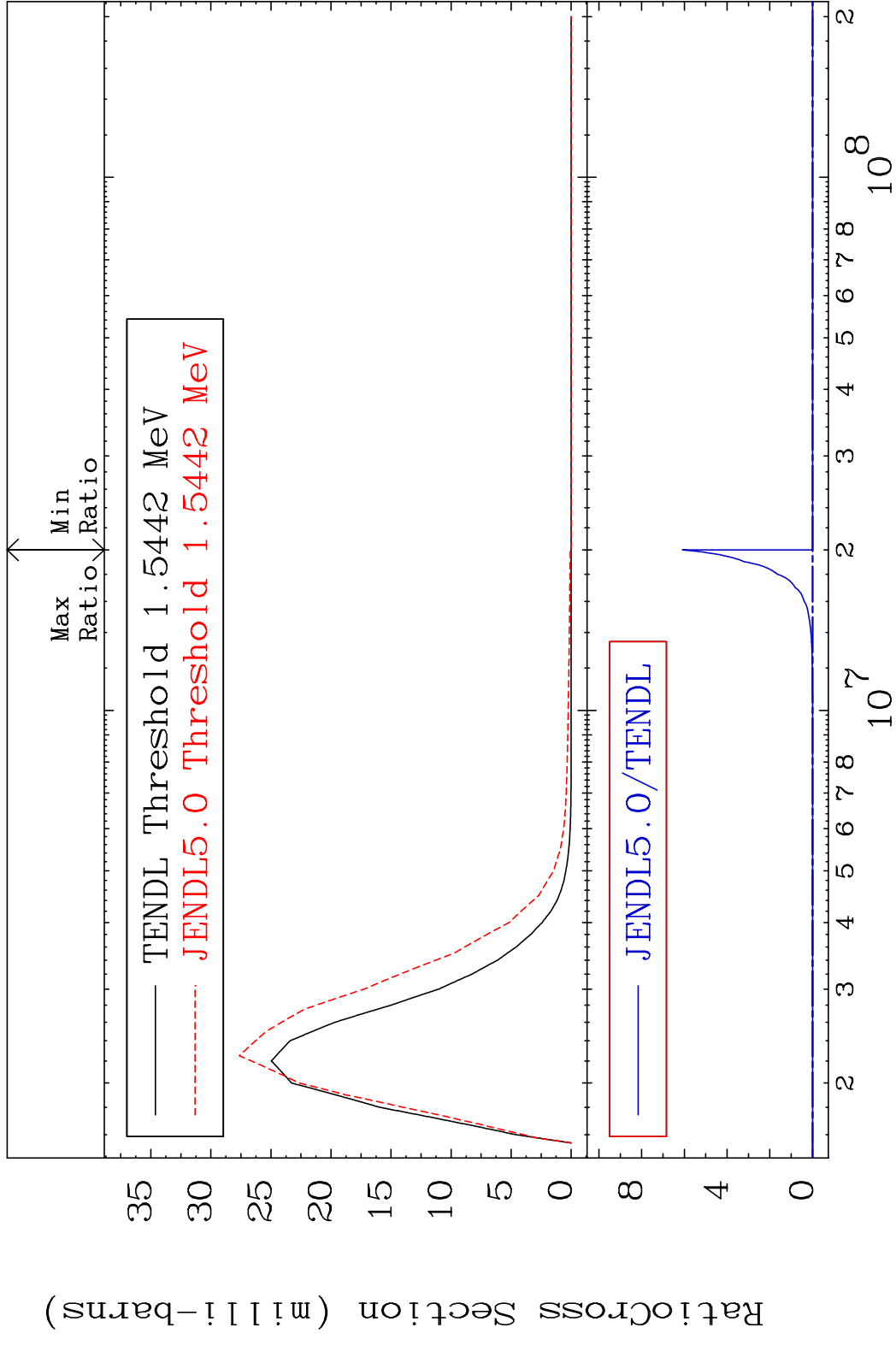
MAT 7425 MT= 66 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



MAT 7425 MT= 67 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %

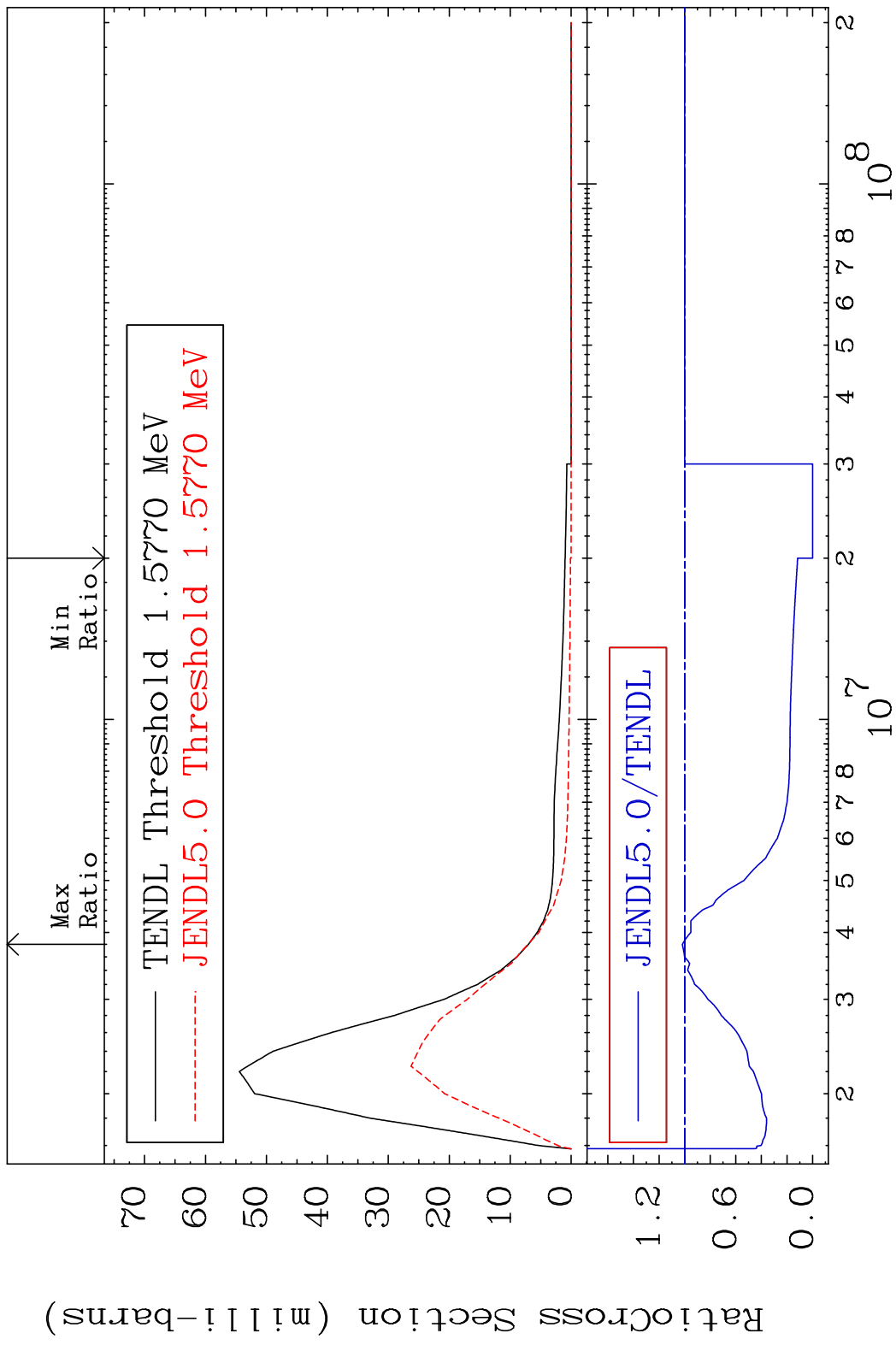


MAT 7425 MT= 68 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %

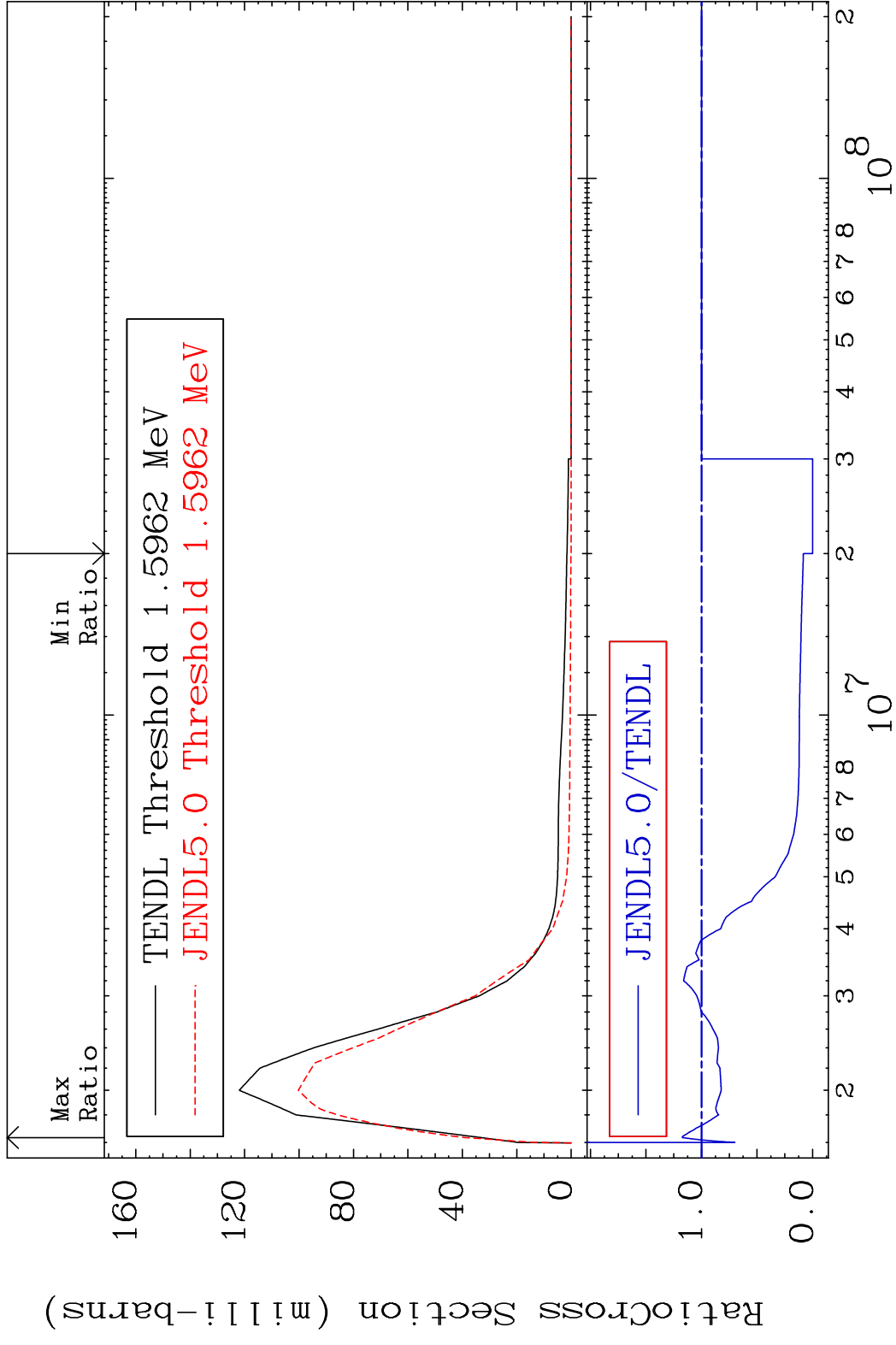


30 Incident Energy (eV) 74-W -180

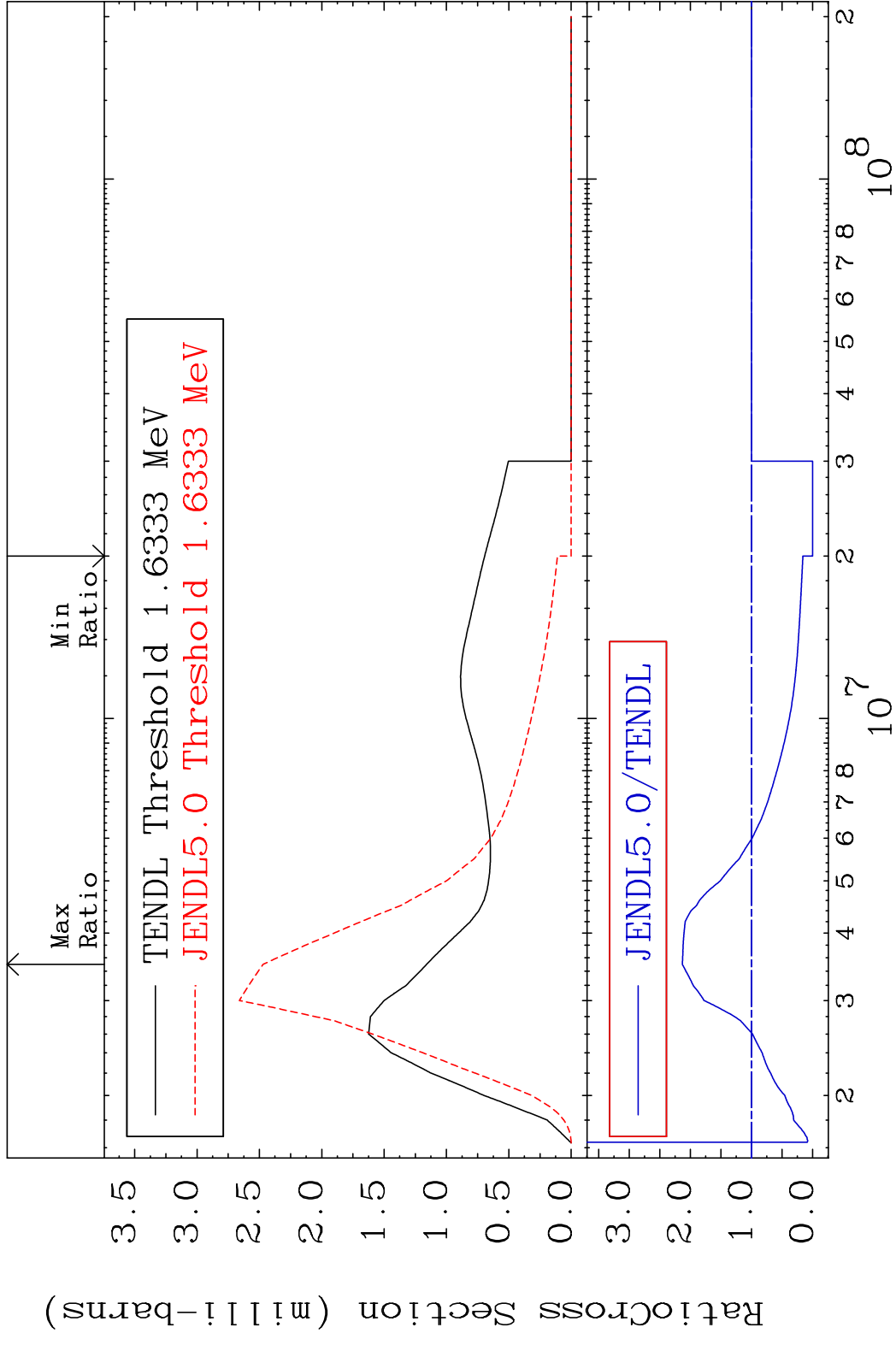
MAT 7425 MT= 69 (n, n') Level 74-W -180
 Cross Section -100.0 To 1.781 %



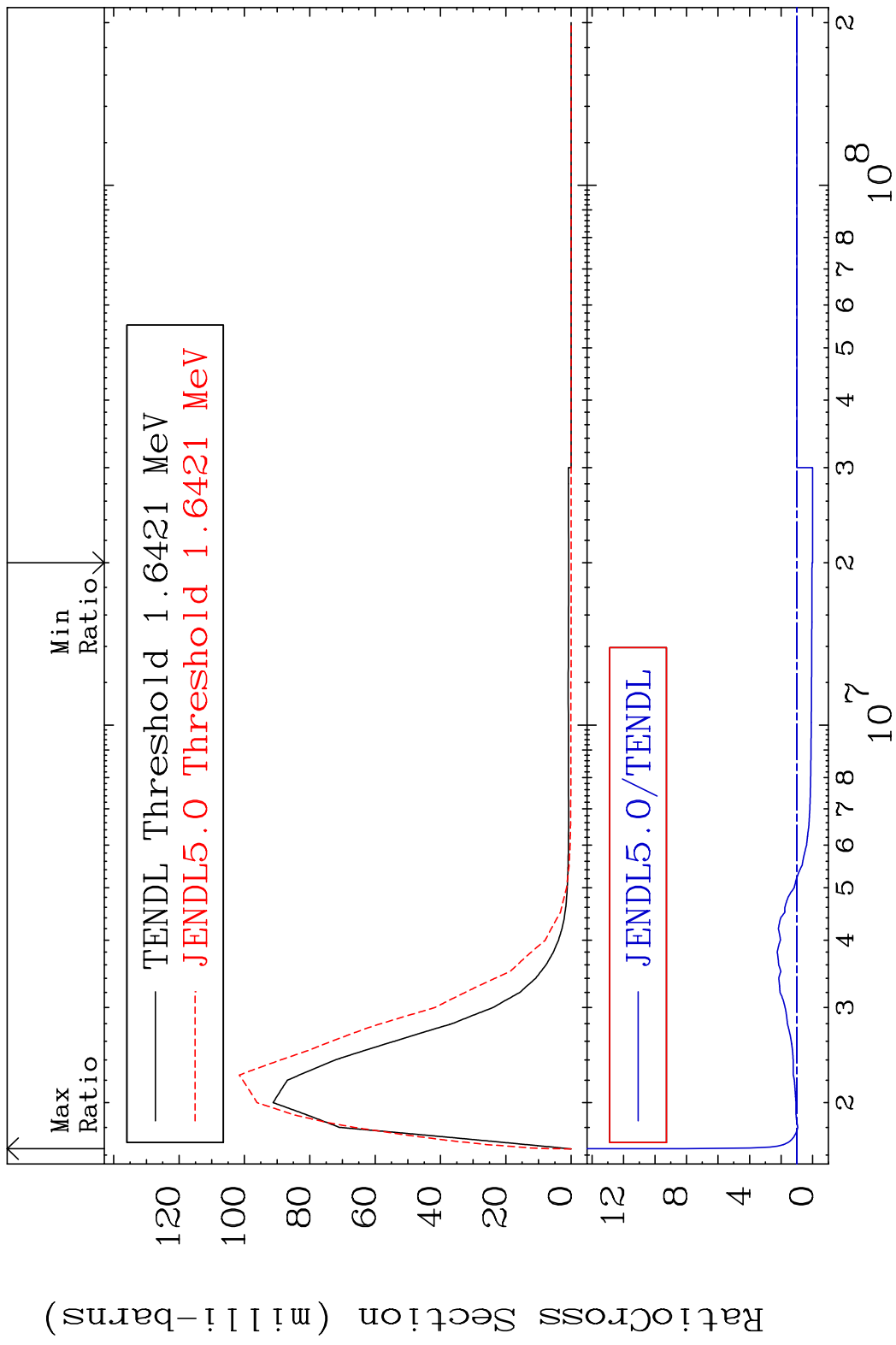
MAT 7425 MT= 70 (n, n') Level 74-W -180
 Cross Section -100.0 To 17.25 %



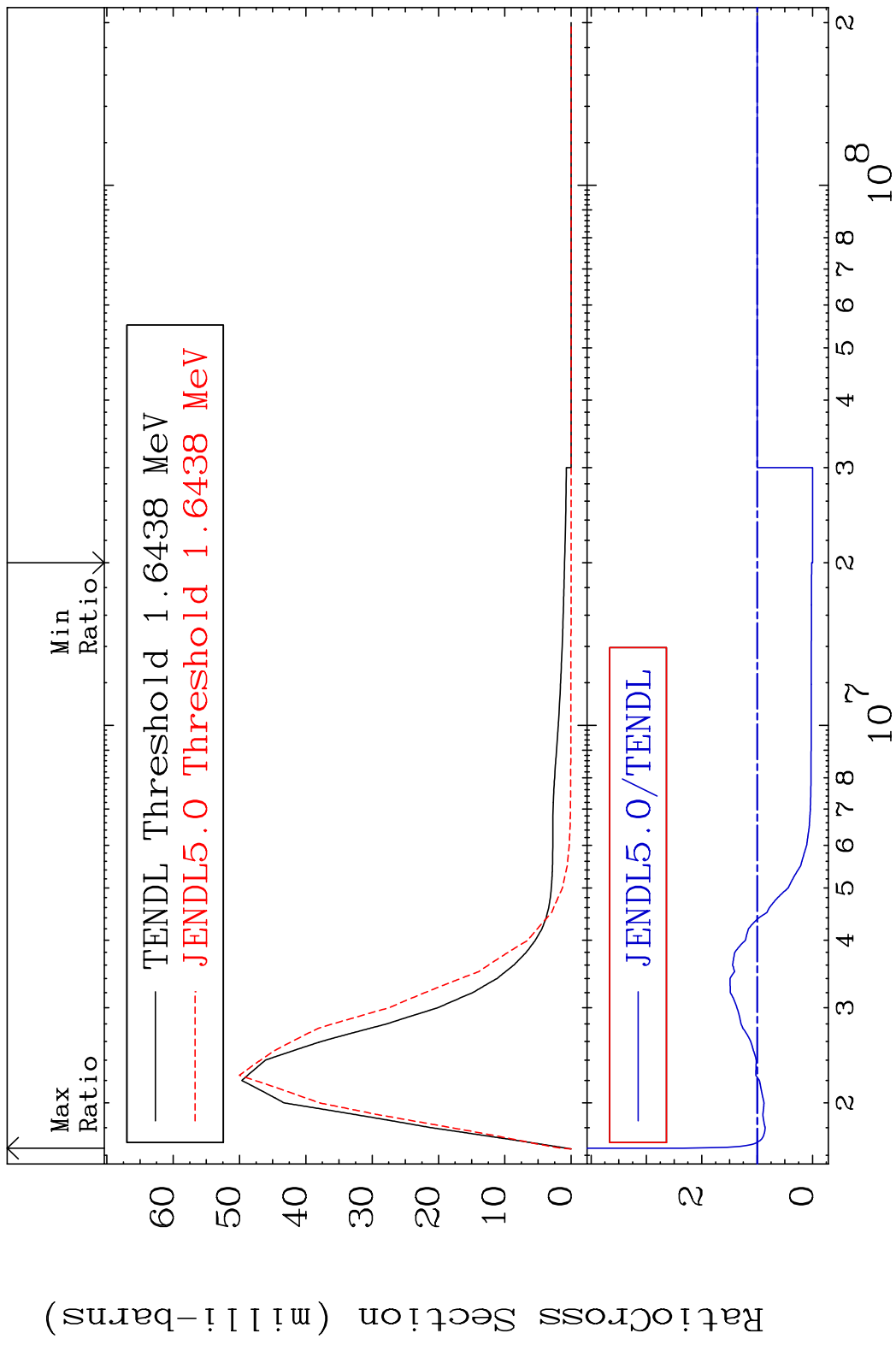
MAT 7425 MT= 71 (n, n') Level 74-W -180
 Cross Section -100.0 To 113.0 %



MAT 7425 MT= 72 (n, n') Level 74-W -180
 Cross Section -100.0 To 726.7 %

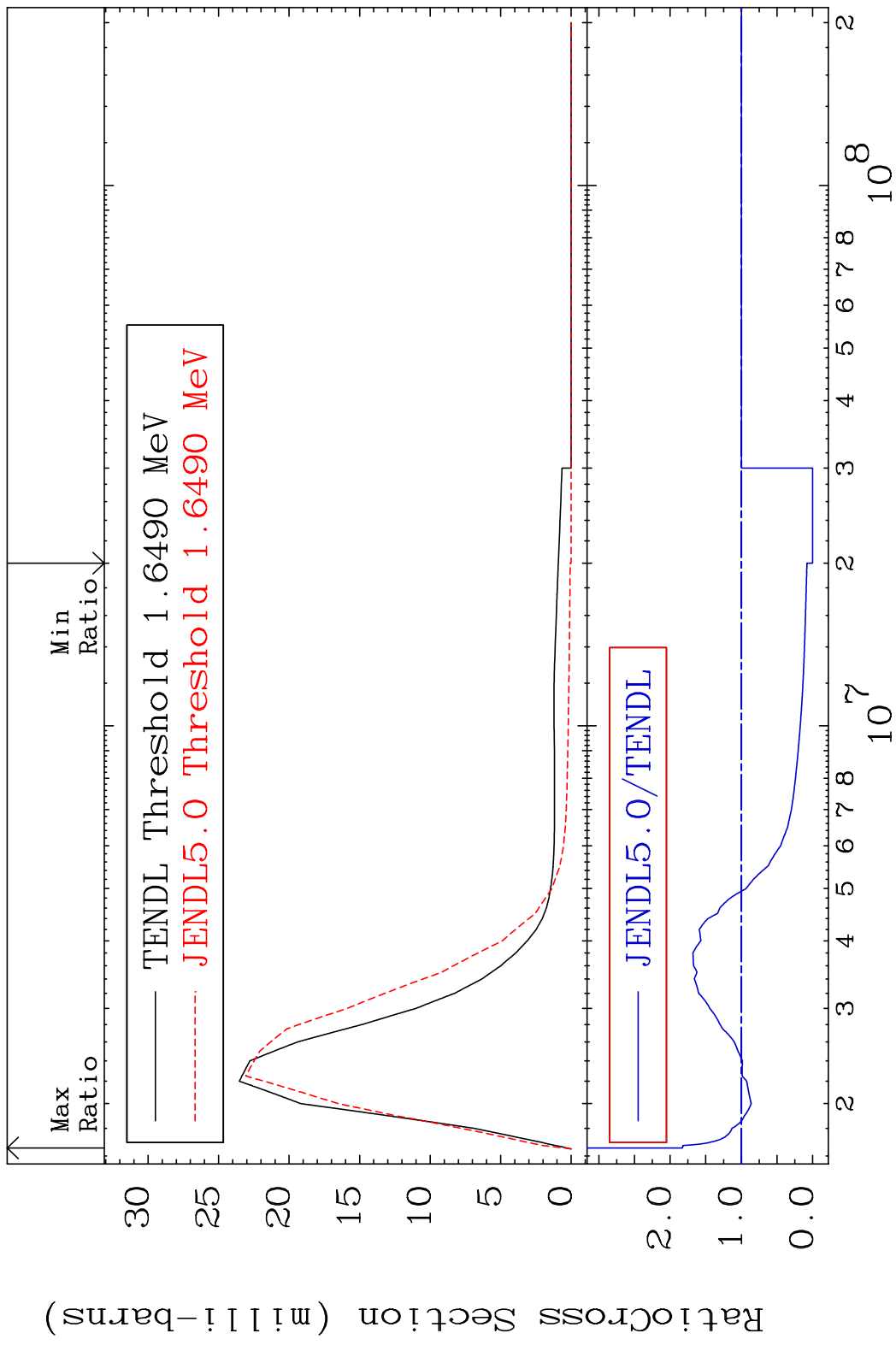


MAT 7425 MT= 73 (n, n') Level 74-W -180
 Cross Section -100.0 To 135.1 %

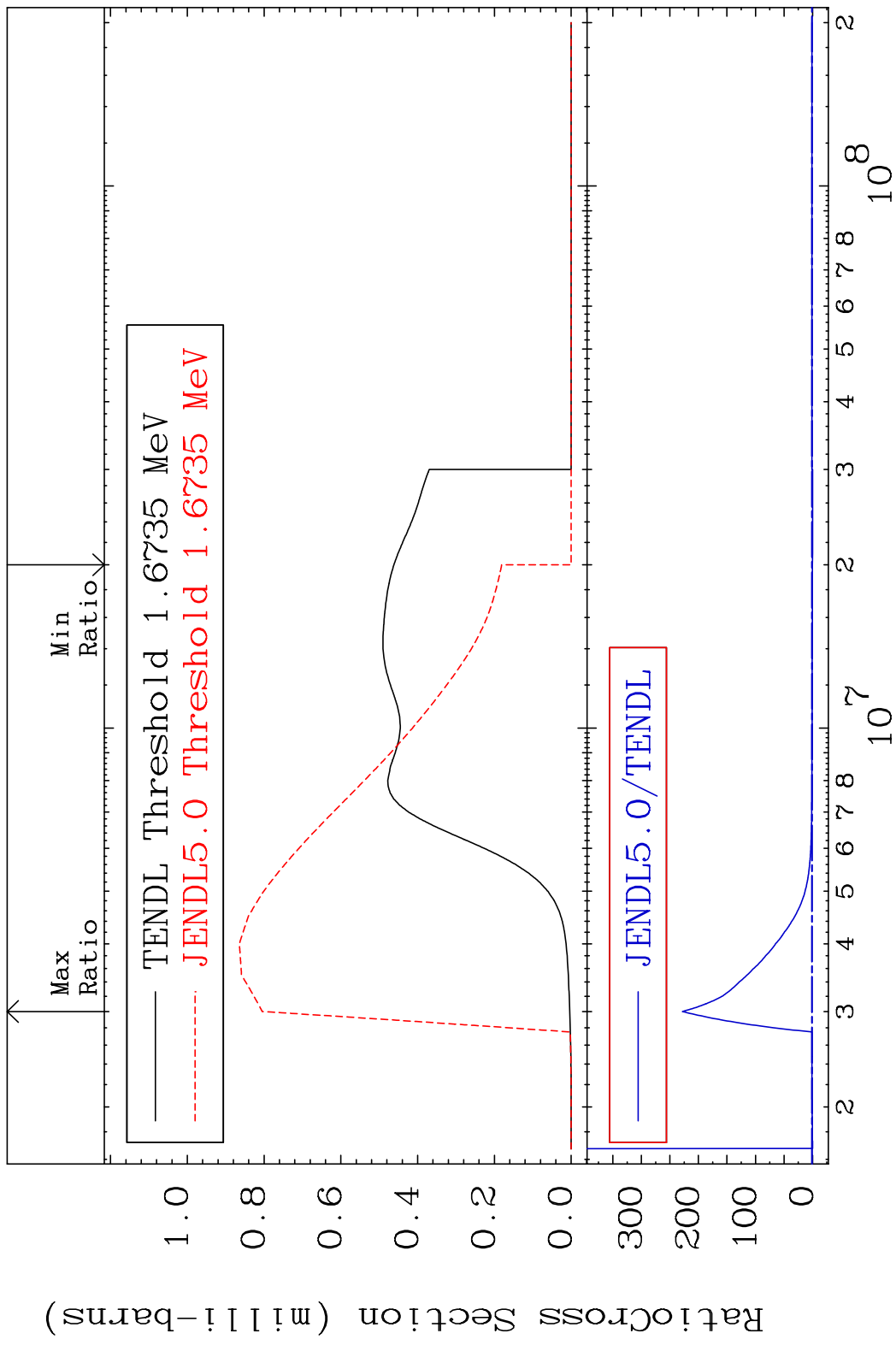


35 74-W -180

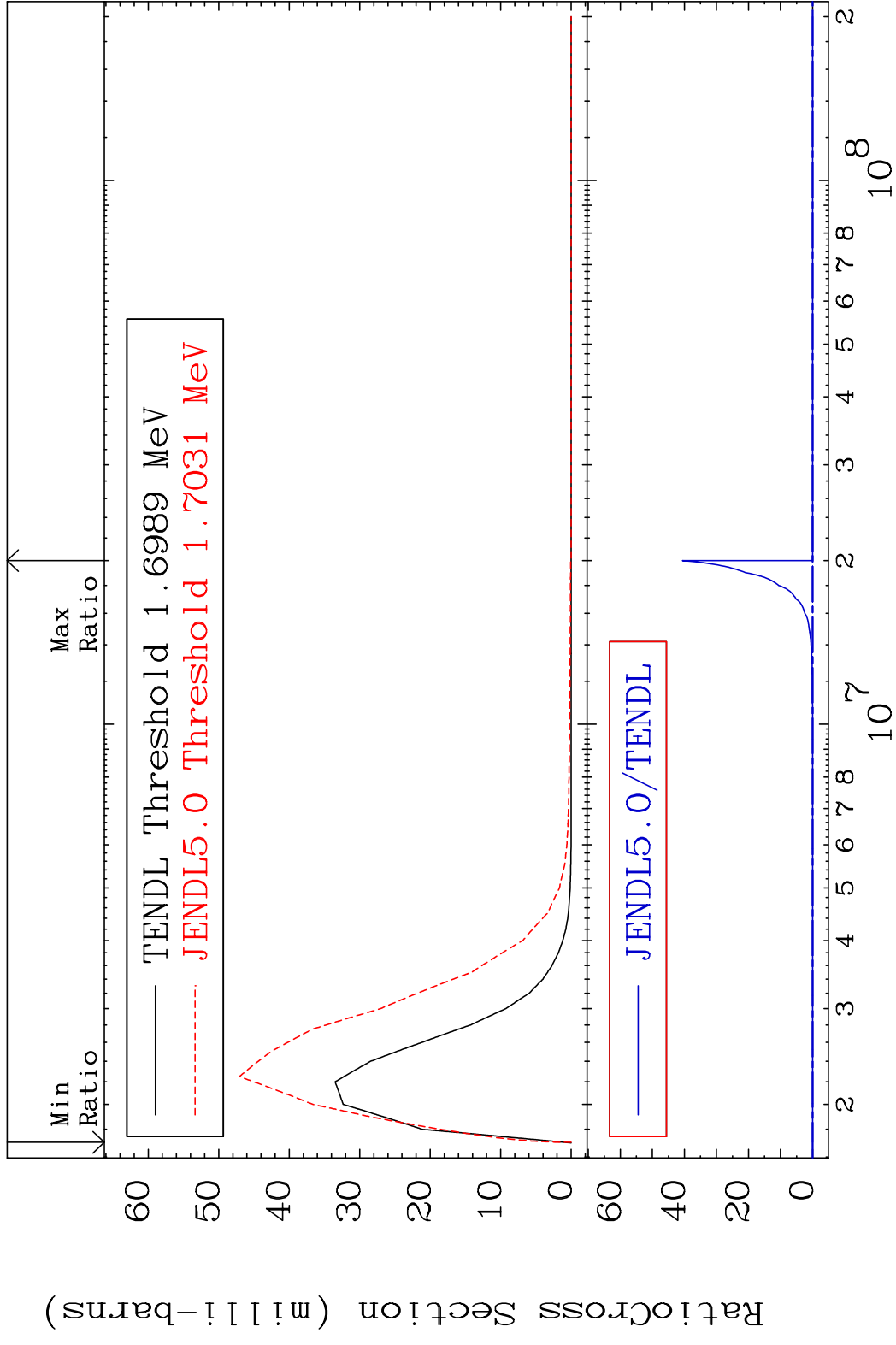
MAT 7425 MT= 74 (n,n') Level 74-W -180
 Cross Section -100.0 To 82.87 %



MAT 7425 MT= 75 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %



MAT 7425 MT= 76 (n, n') Level 74-W -180
 Cross Section -100.0 To 9999. %

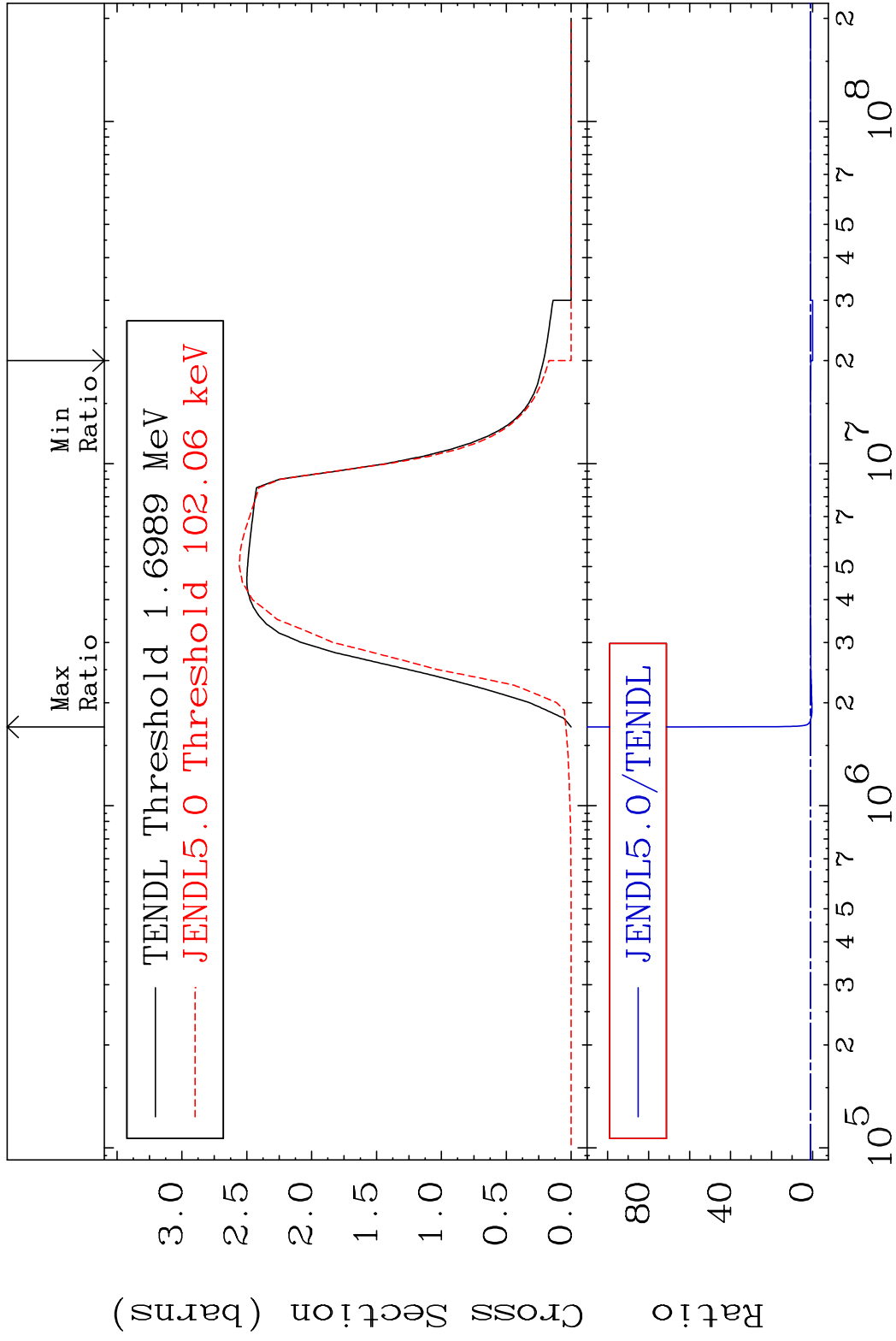


MAT 7425

(n, n') Continuum

74-W -180

Cross Section -100.0 To 6255. %



39

Incident Energy (eV)

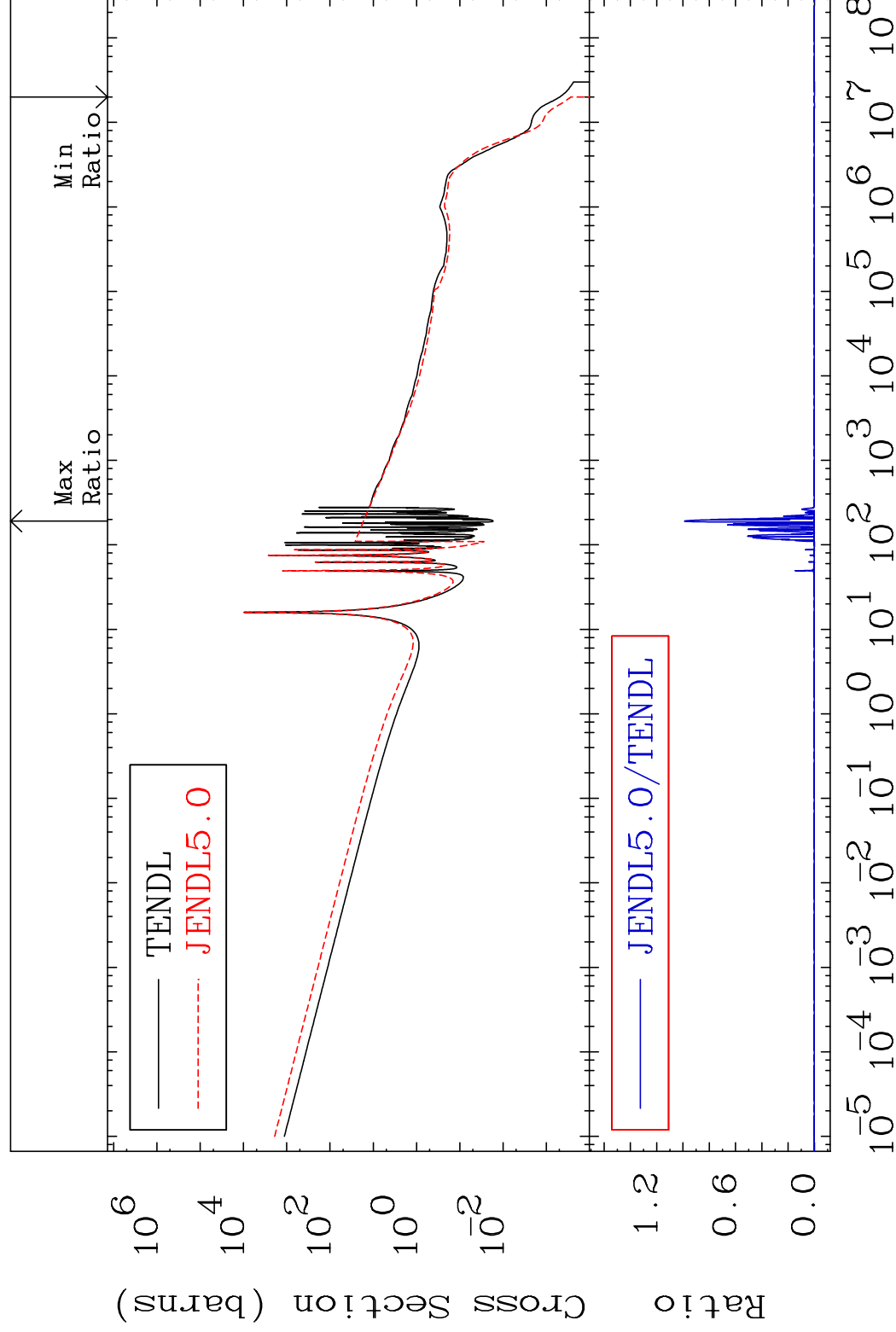
74-W -180

MAT 7425

(n, γ)

74-W -180

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

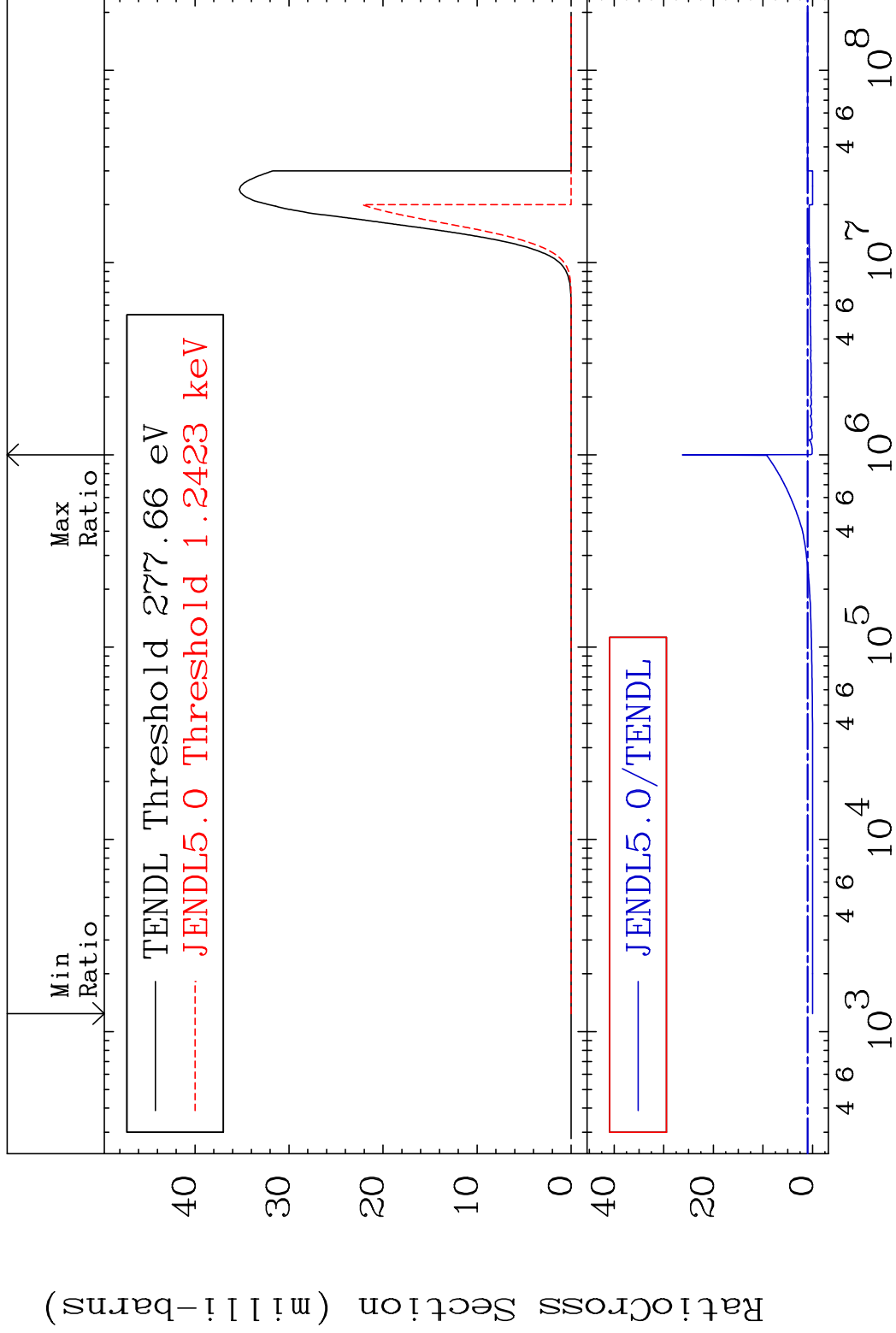
74-W -180

MAT 7425

(n, p)

74-W -180

Cross Section -100.0 To 2525. %



41

Incident Energy (eV)

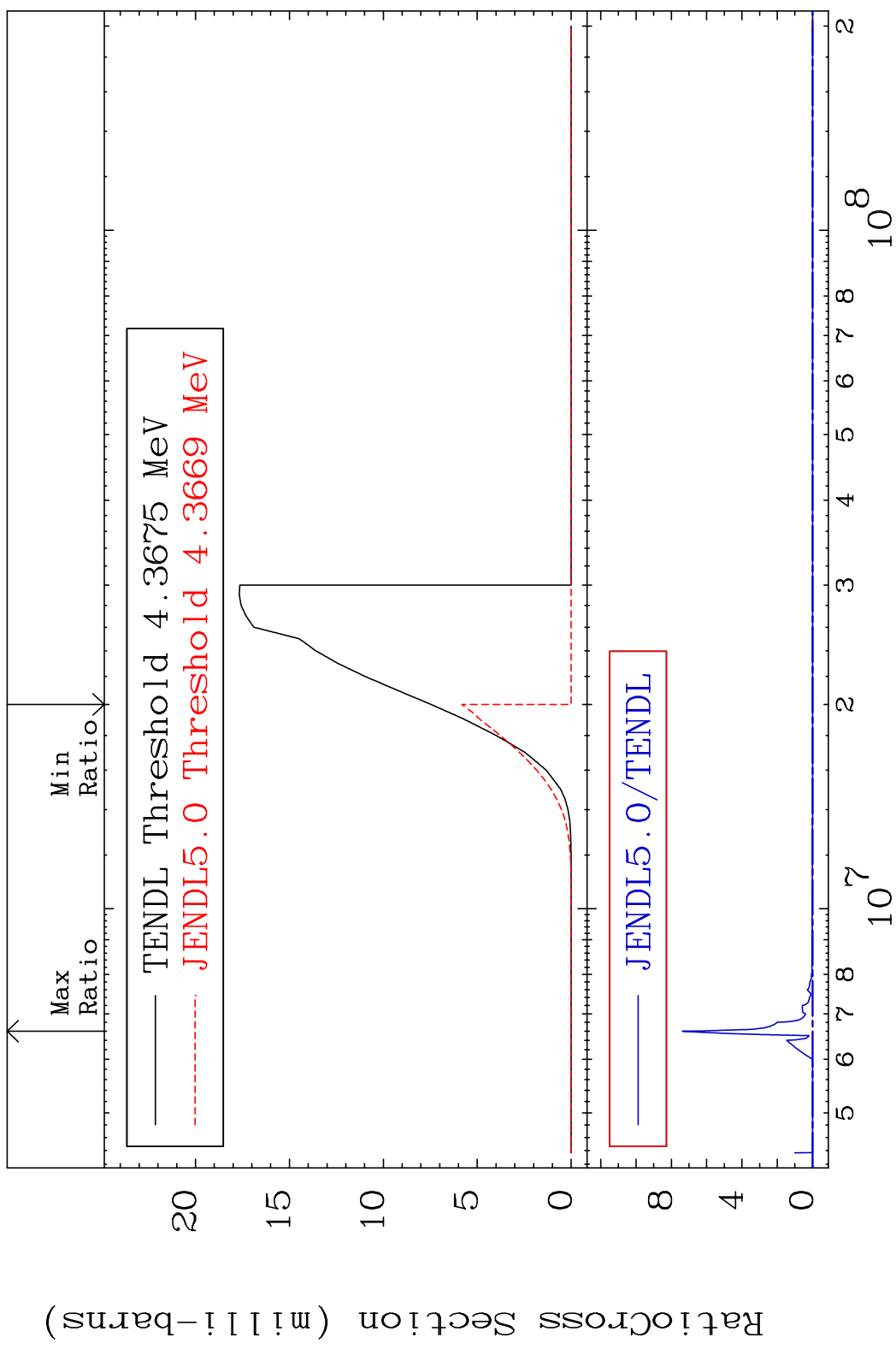
74-W -180

MAT 7425

(n,d)

74-W -180

Cross Section -100.0 To 9999. %

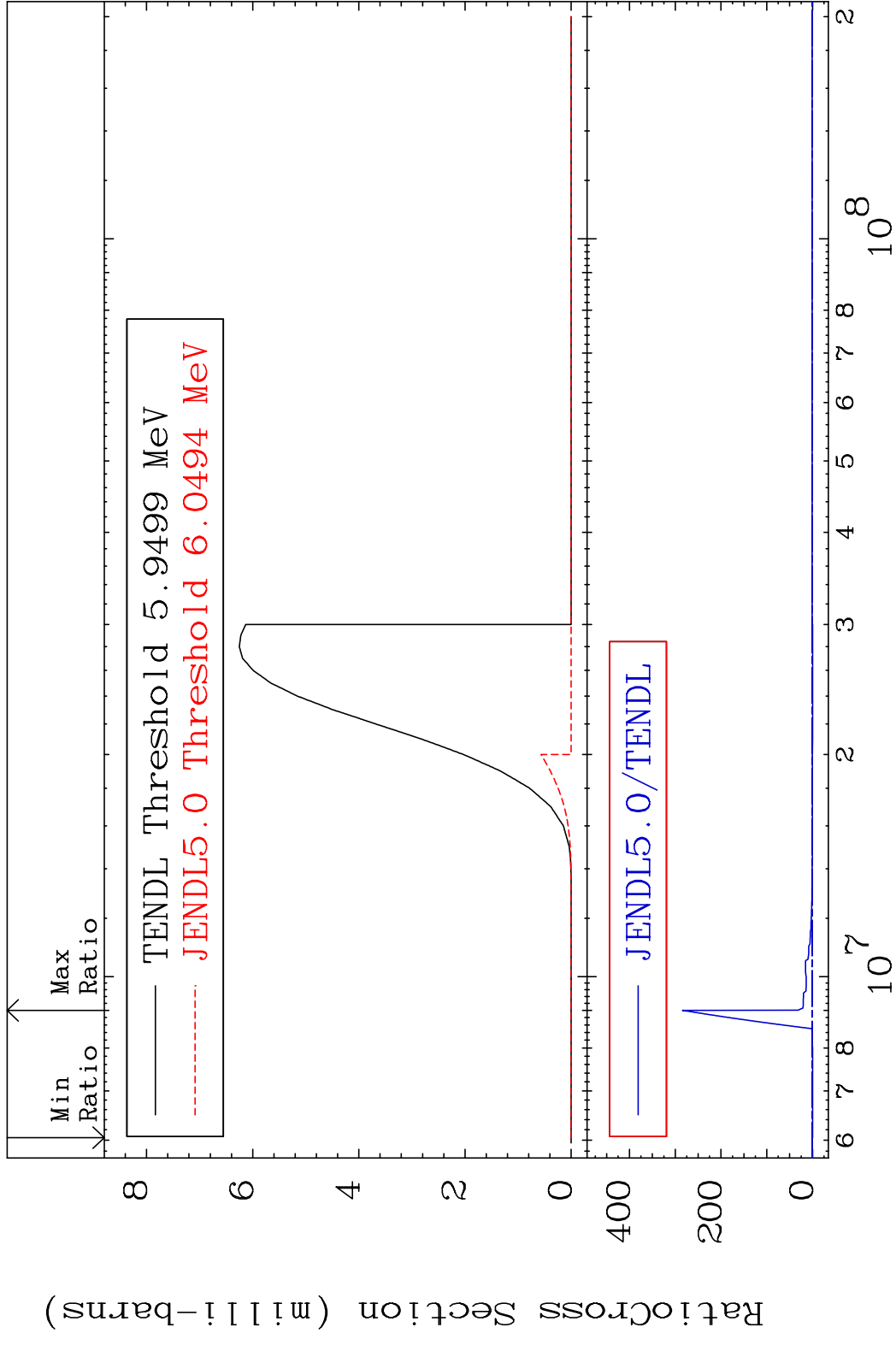


42

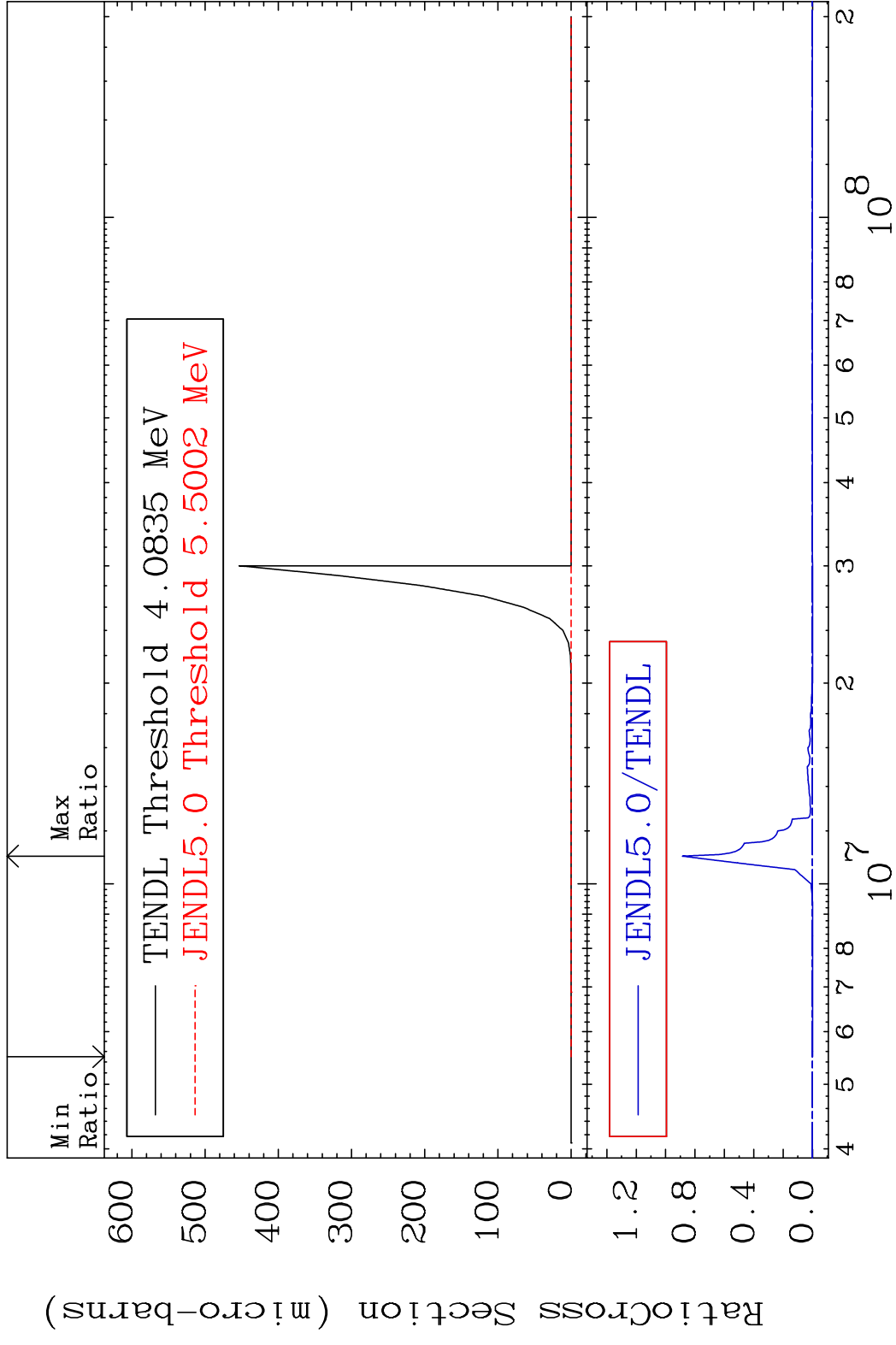
Incident Energy (eV)

74-W -180

MAT 7425 (n, t) 74-W -180
 Cross Section -100.0 To 9999. %



MAT 7425 (n, He-3) 74-W -180
 Cross Section -100.0 To 9999. %



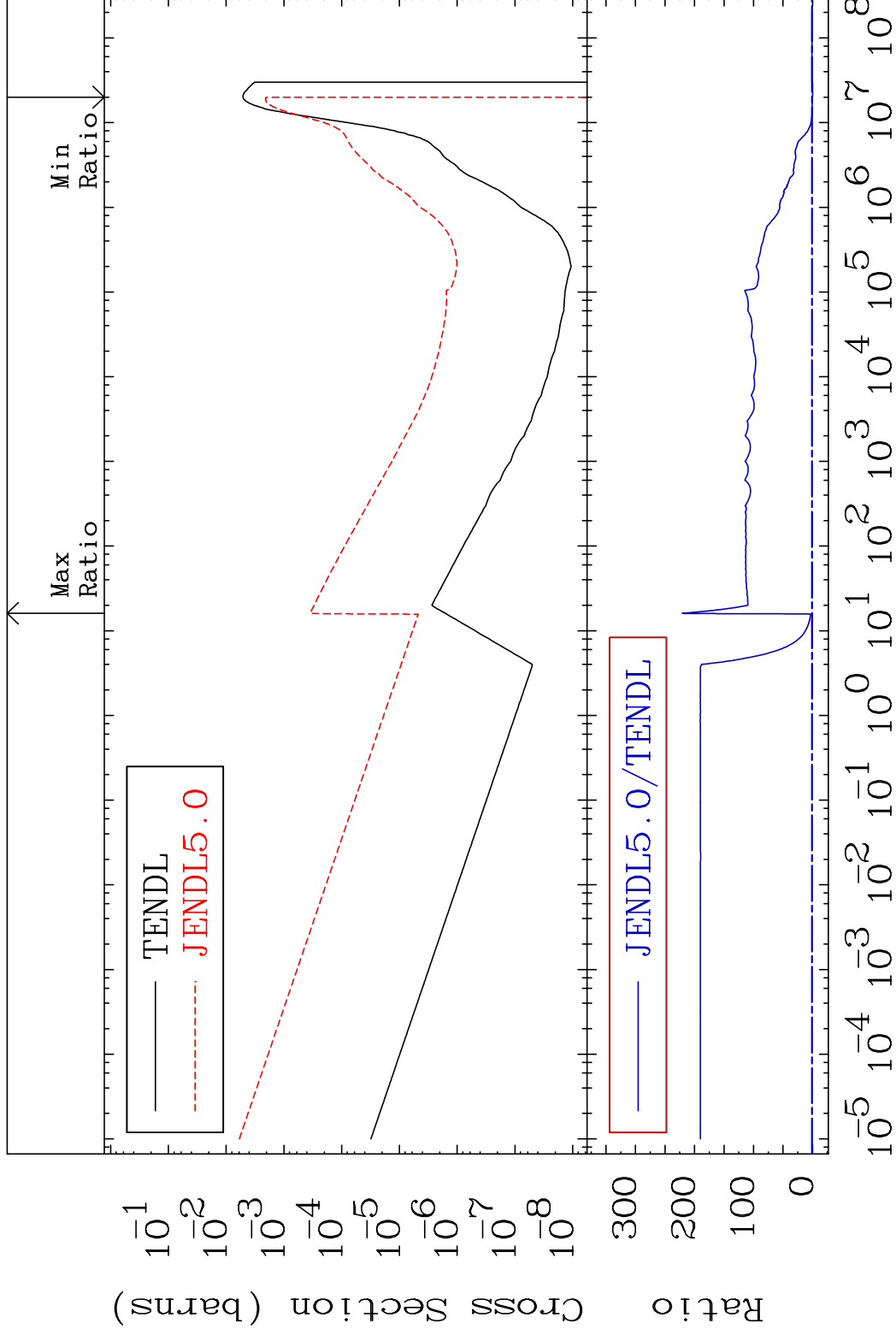
44 Incident Energy (eV) 74-W -180

MAT 7425

(n, α)

74-W -180

Cross Section -100.0 To 9999. %

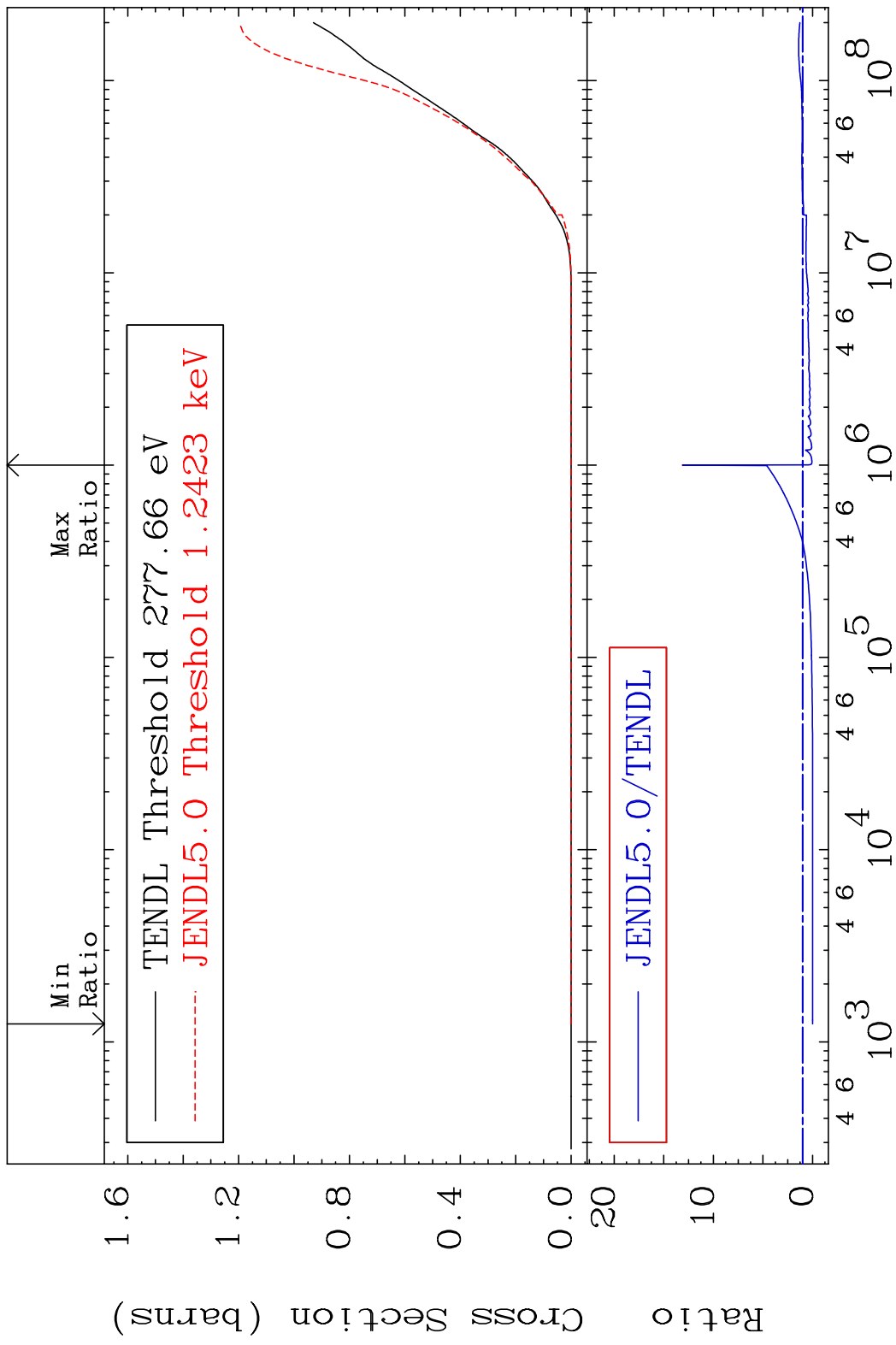


45

Incident Energy (eV)

74-W -180

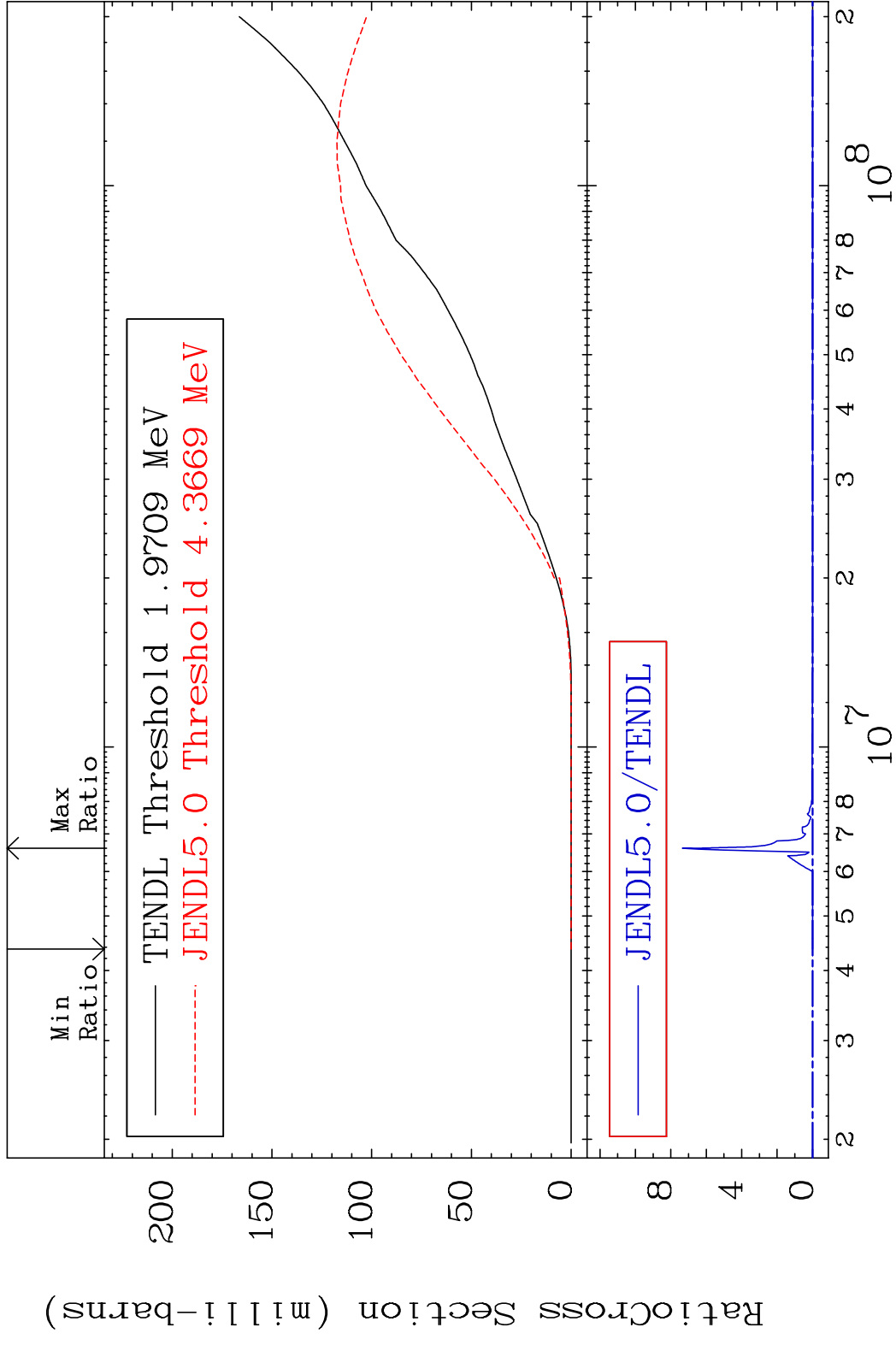
MAT 7425 Hydrogen Production 74-W -180
 Cross Section -100.0 To 1212. %



46 Incident Energy (eV) 74-W -180

MAT 7425

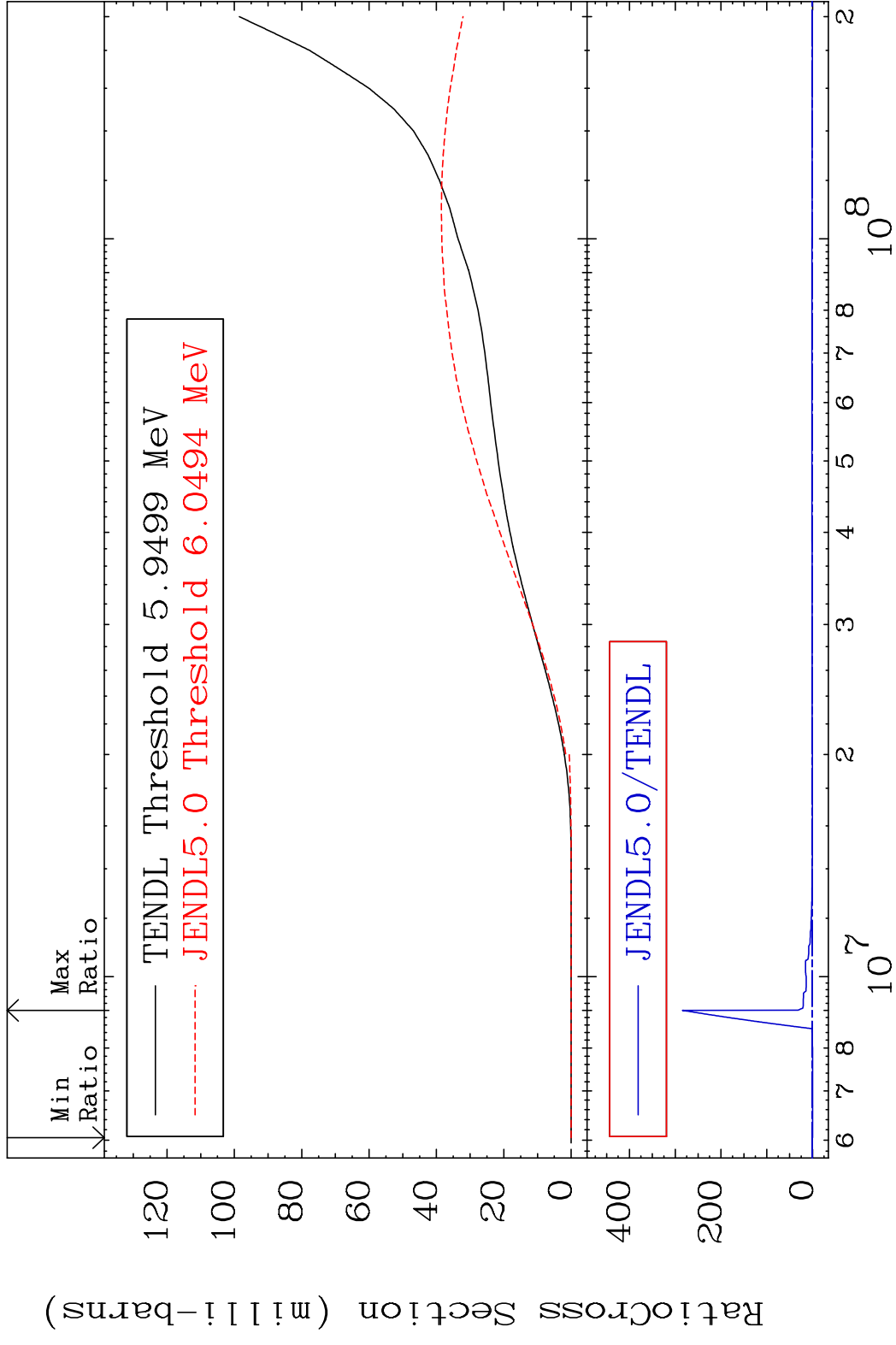
Deuterium Production 74-W -180
Cross Section -100.0 To 9999. %



47

Incident Energy (eV) 74-W -180

MAT 7425 Tritium Production 74-W -180
 Cross Section -100.0 To 9999. %



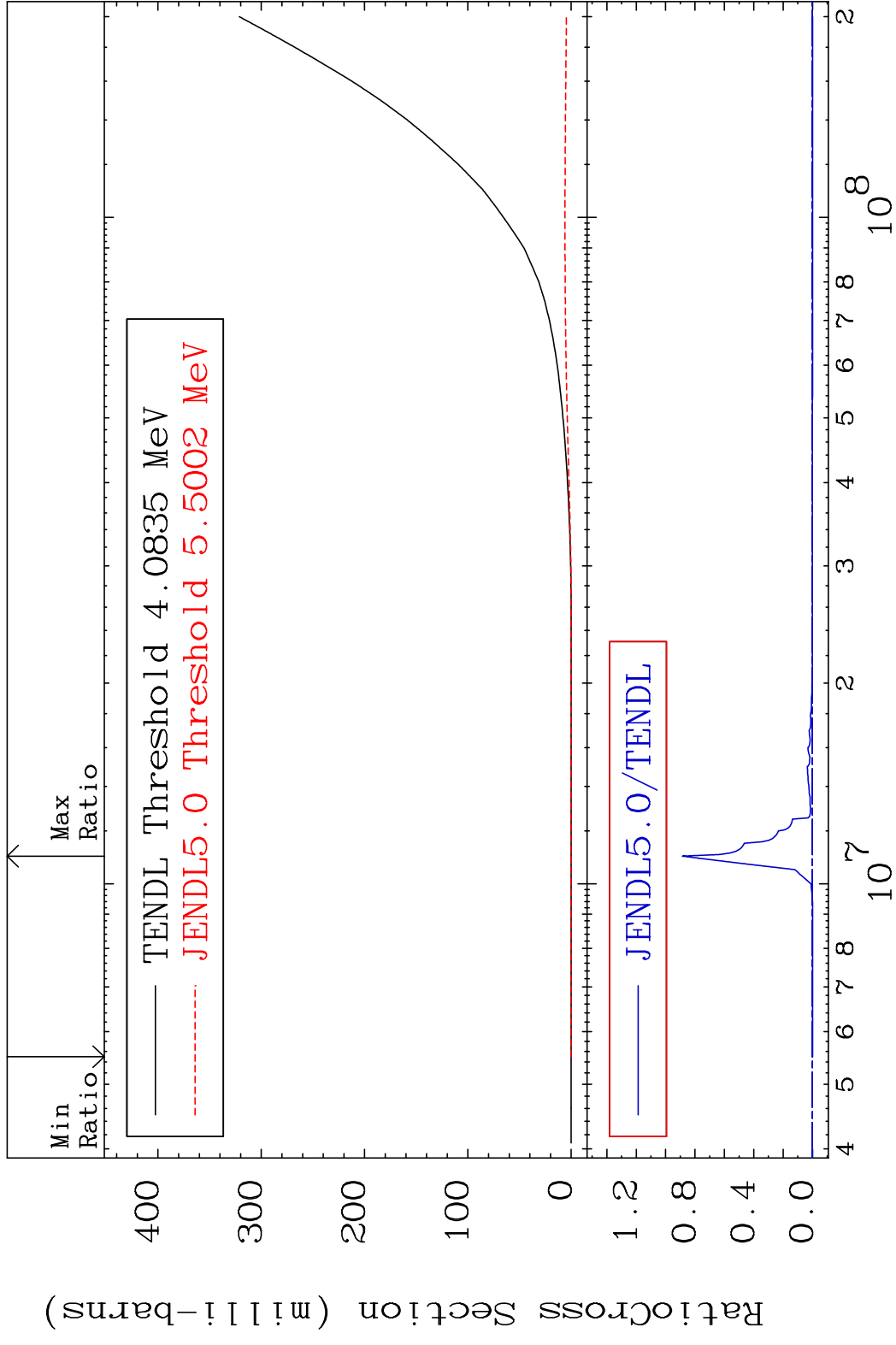
48 74-W -180

MAT 7425

He-3 Production

74-W -180

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

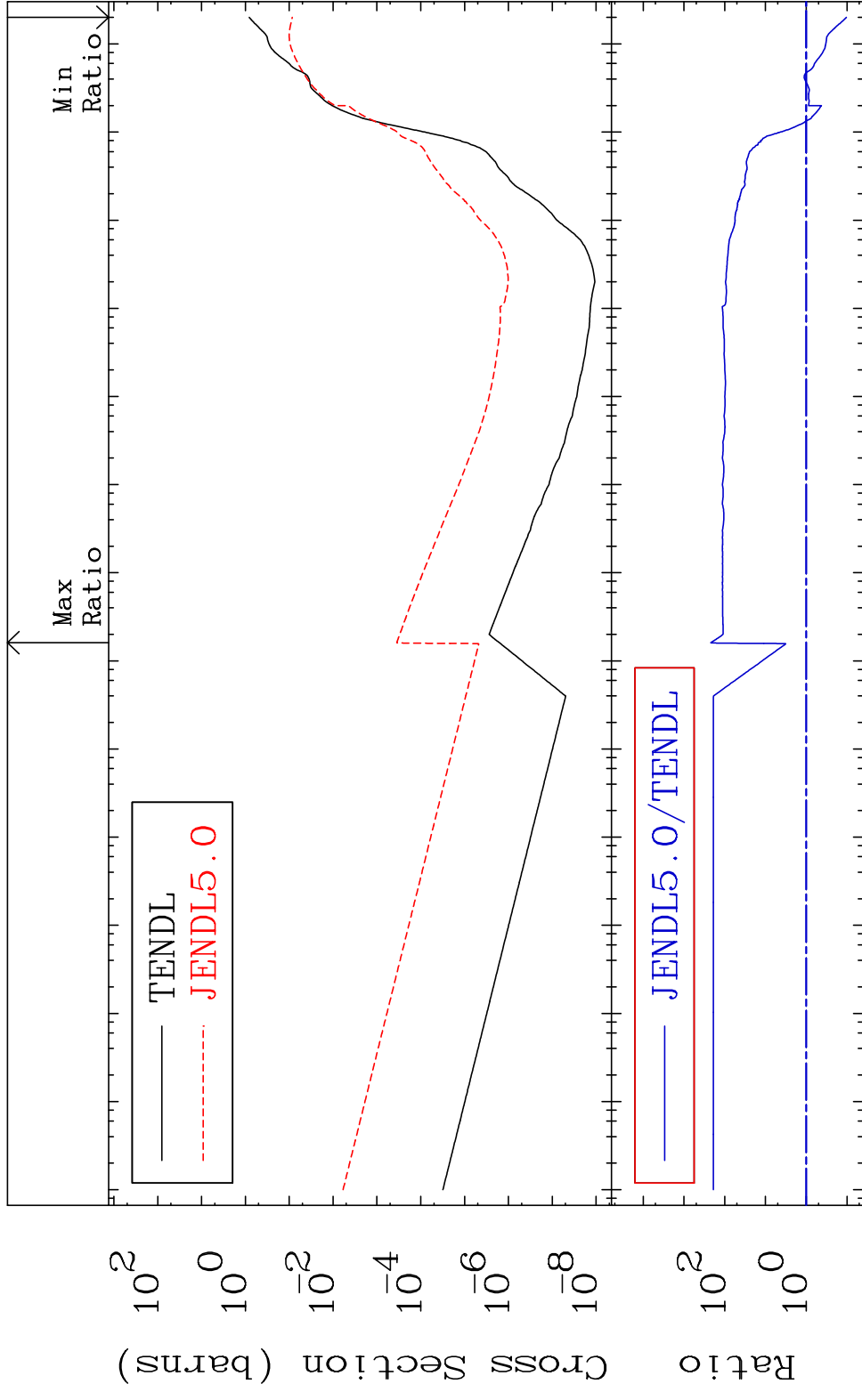
74-W -180

MAT 7425

He-4 Production

74-W -180

Cross Section -89.60 To 9999. %



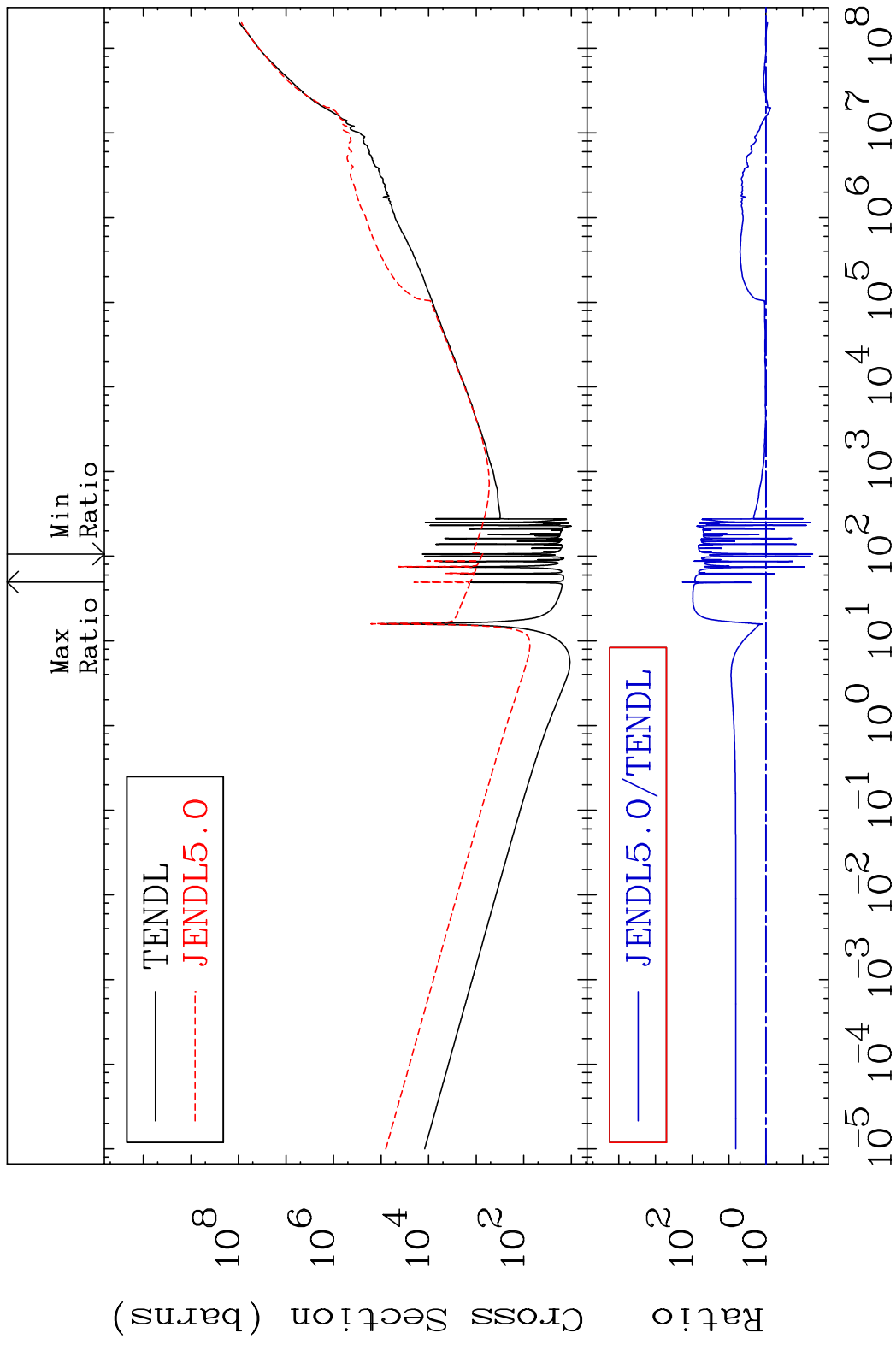
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

50

Incident Energy (eV)

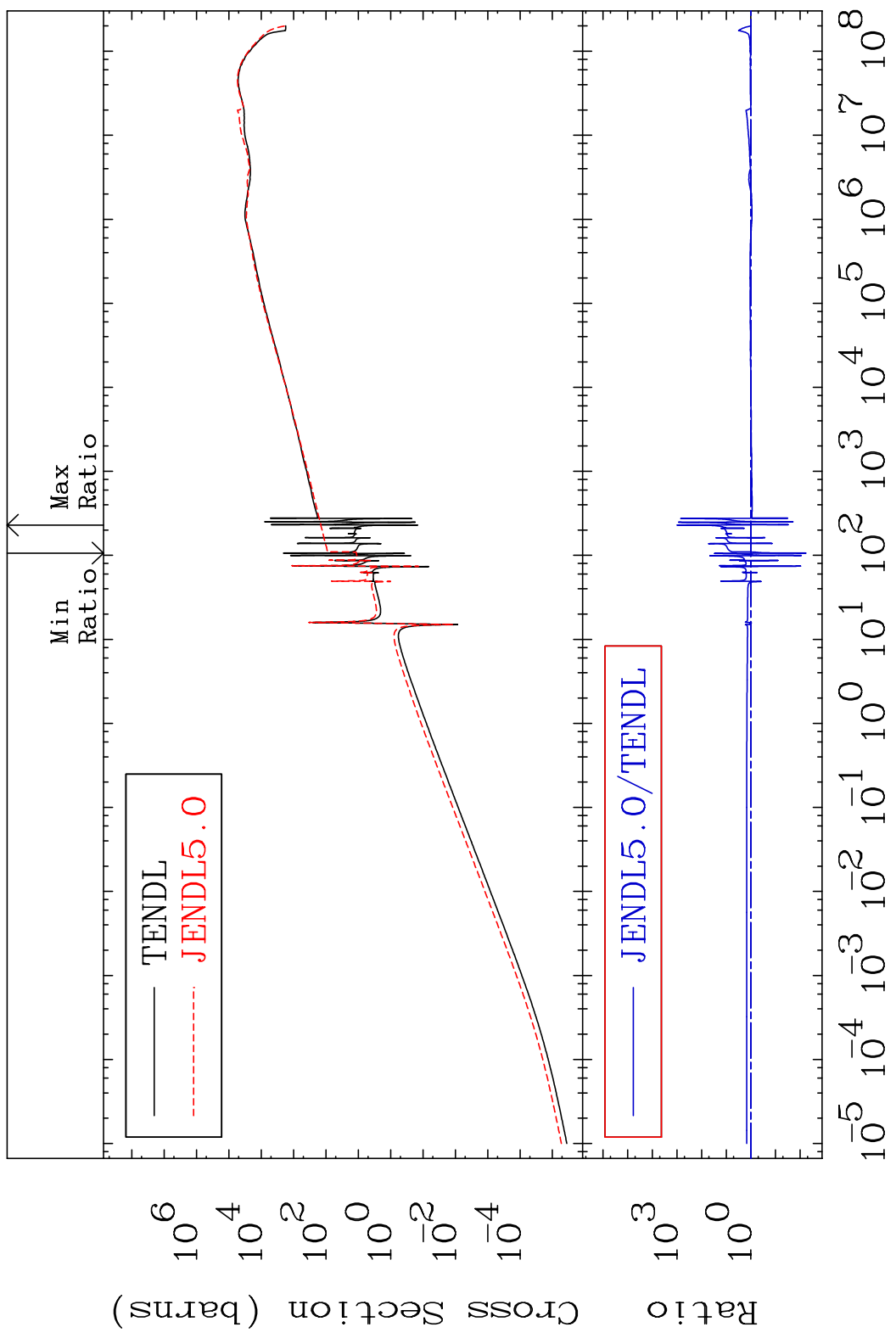
74-W -180

MAT 7425 Kerma total (eV-barns) 74-W -180
 Cross Section -94.68 To 9999. %

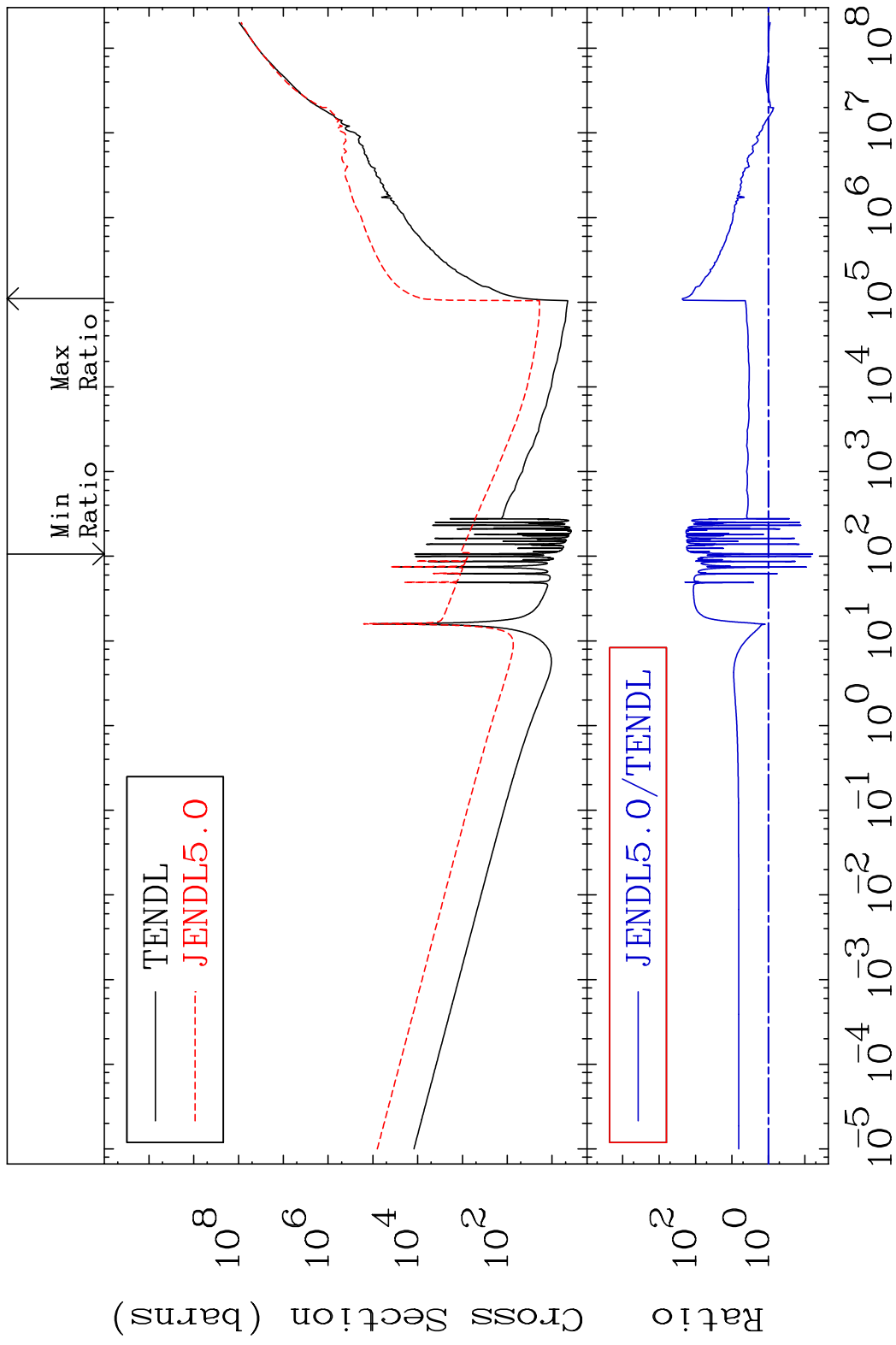


MAT 7425

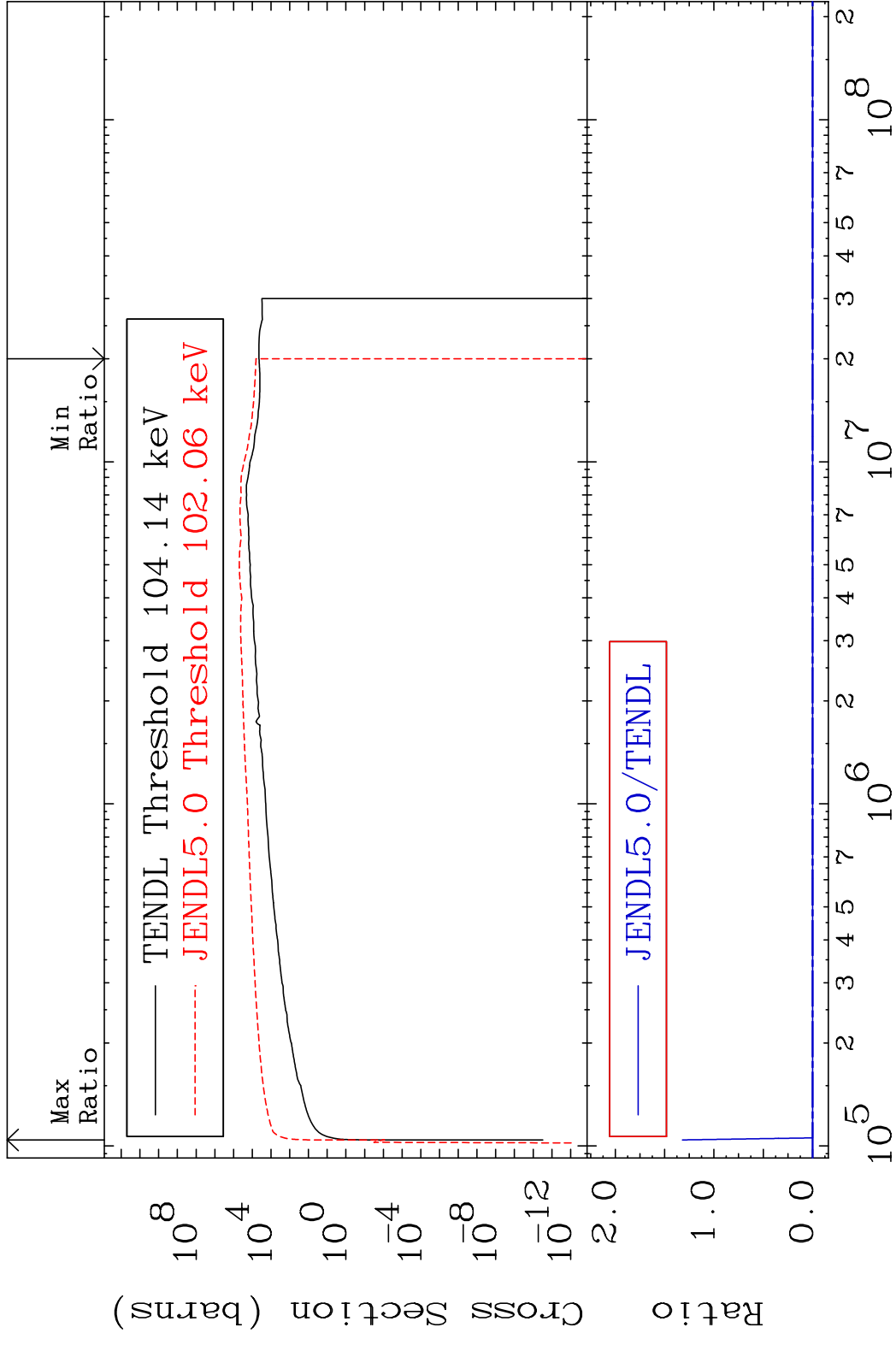
Kerma elastic Cross Section -99.44 To 9999. %
74-W -180



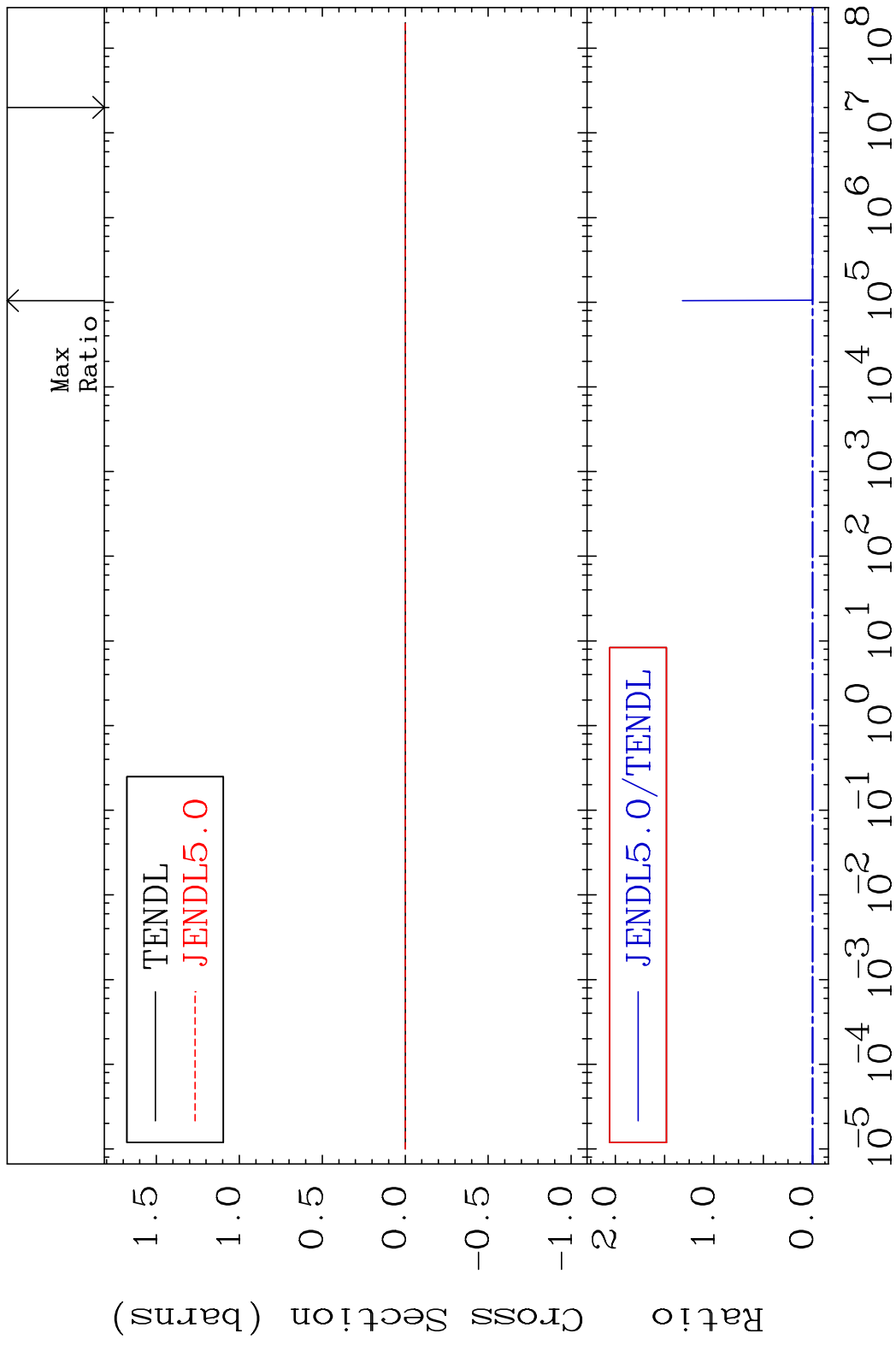
MAT 7425 Kerma non-elastic (all but mt2) 74-W -180
 Cross Section -93.83 To 9999. %



MAT 7425 Kerma inelastic (mt51-91) 74-W -180
 Cross Section -100.0 To 9999. %

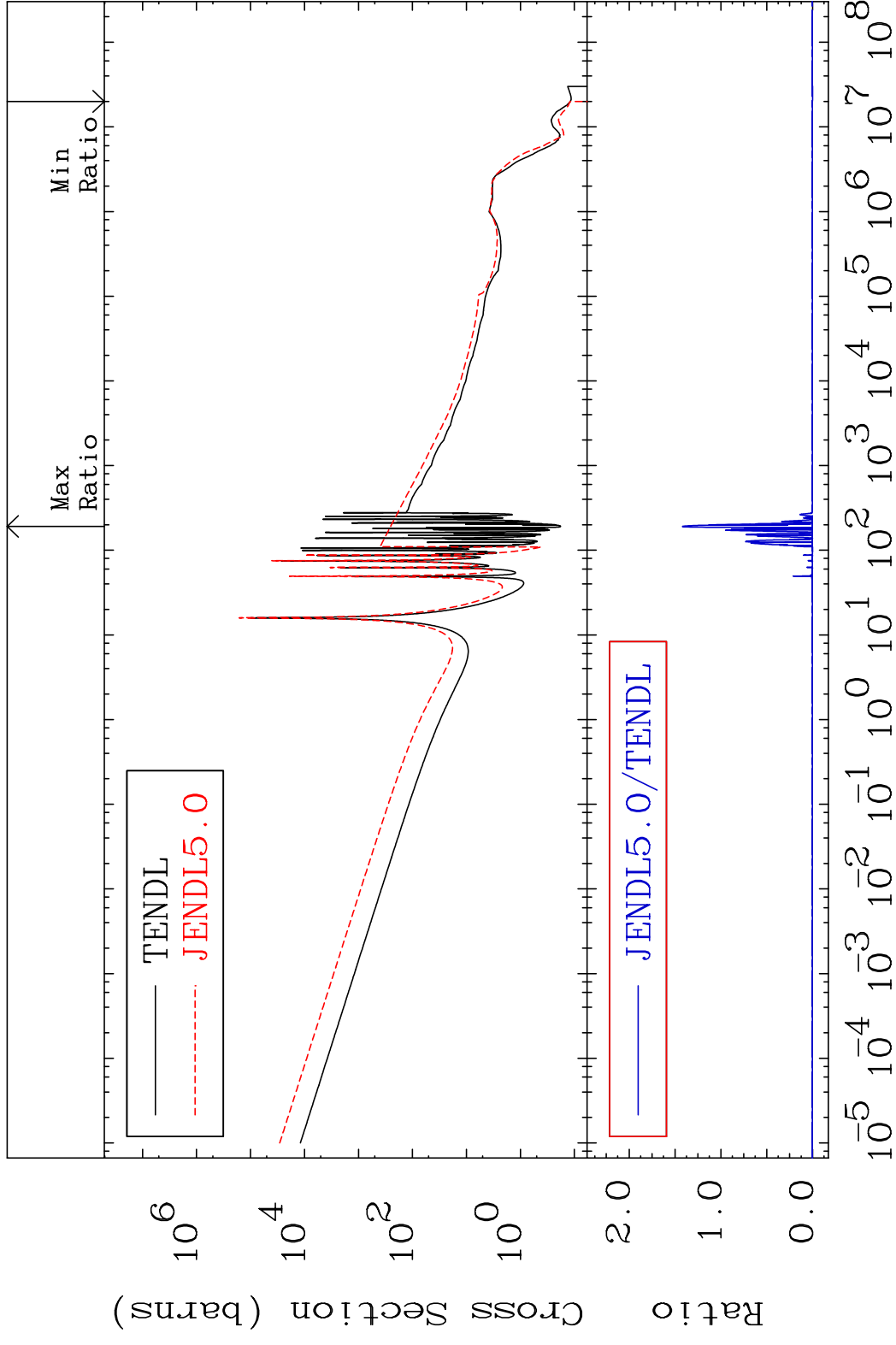


MAT 7425 Kerma fission (mt18 or mt19-20-21-38)74-W -180
 Cross Section -100.0 To 9999. %



MAT 7425

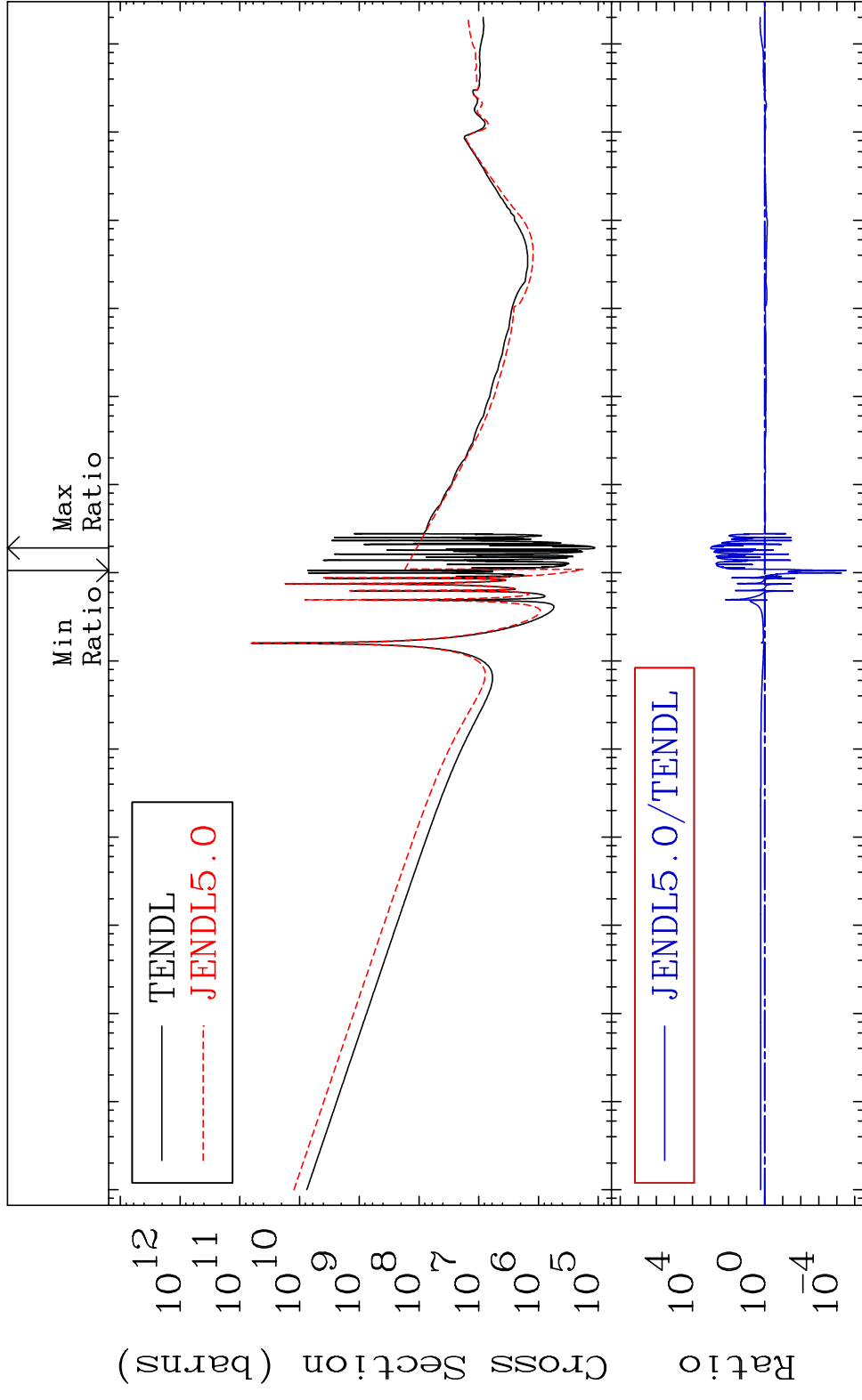
Kerma capture (mt102) 74-W -180
Cross Section -100.0 To 9999. %



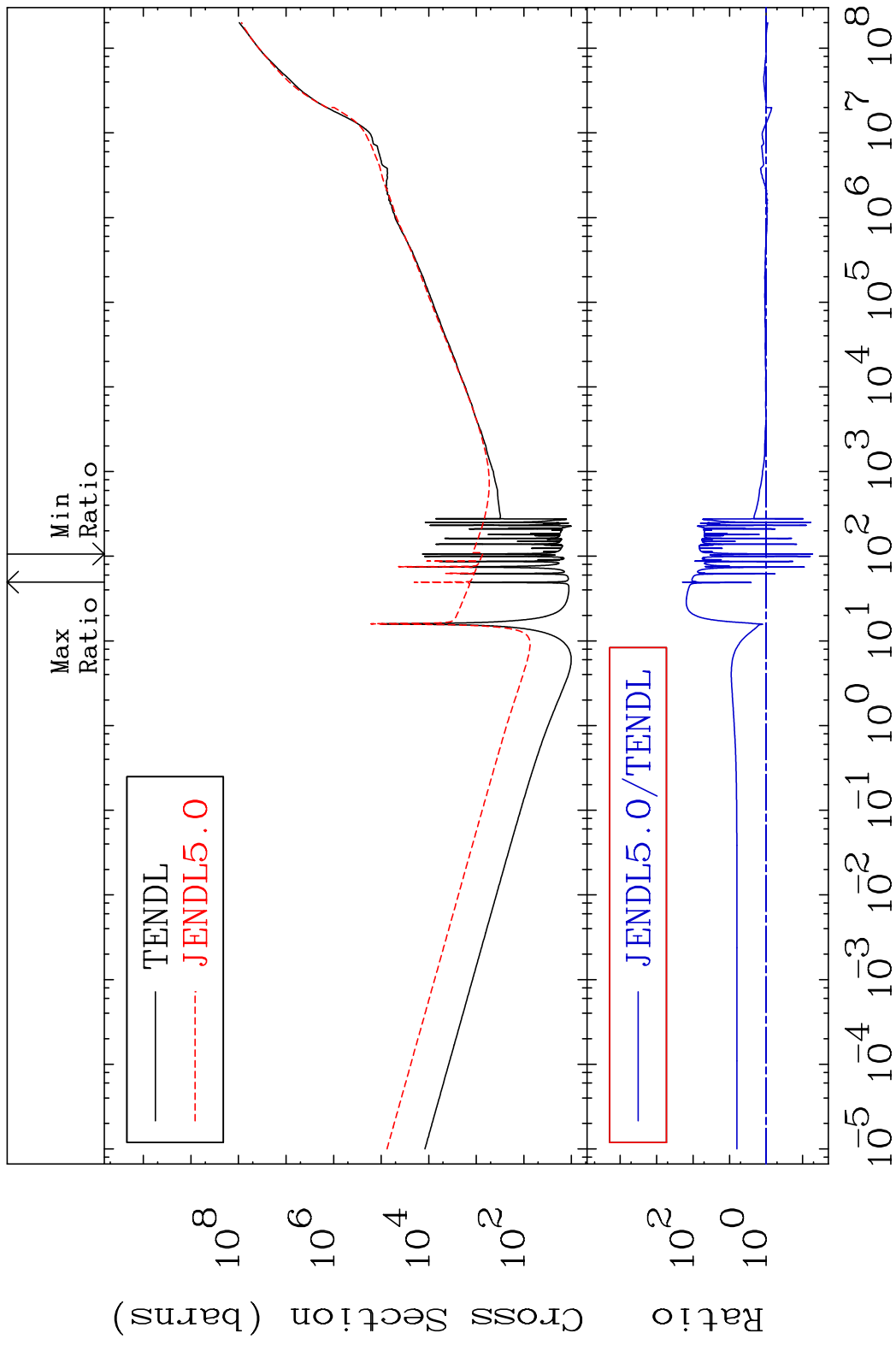
56

Incident Energy (eV) 74-W -180

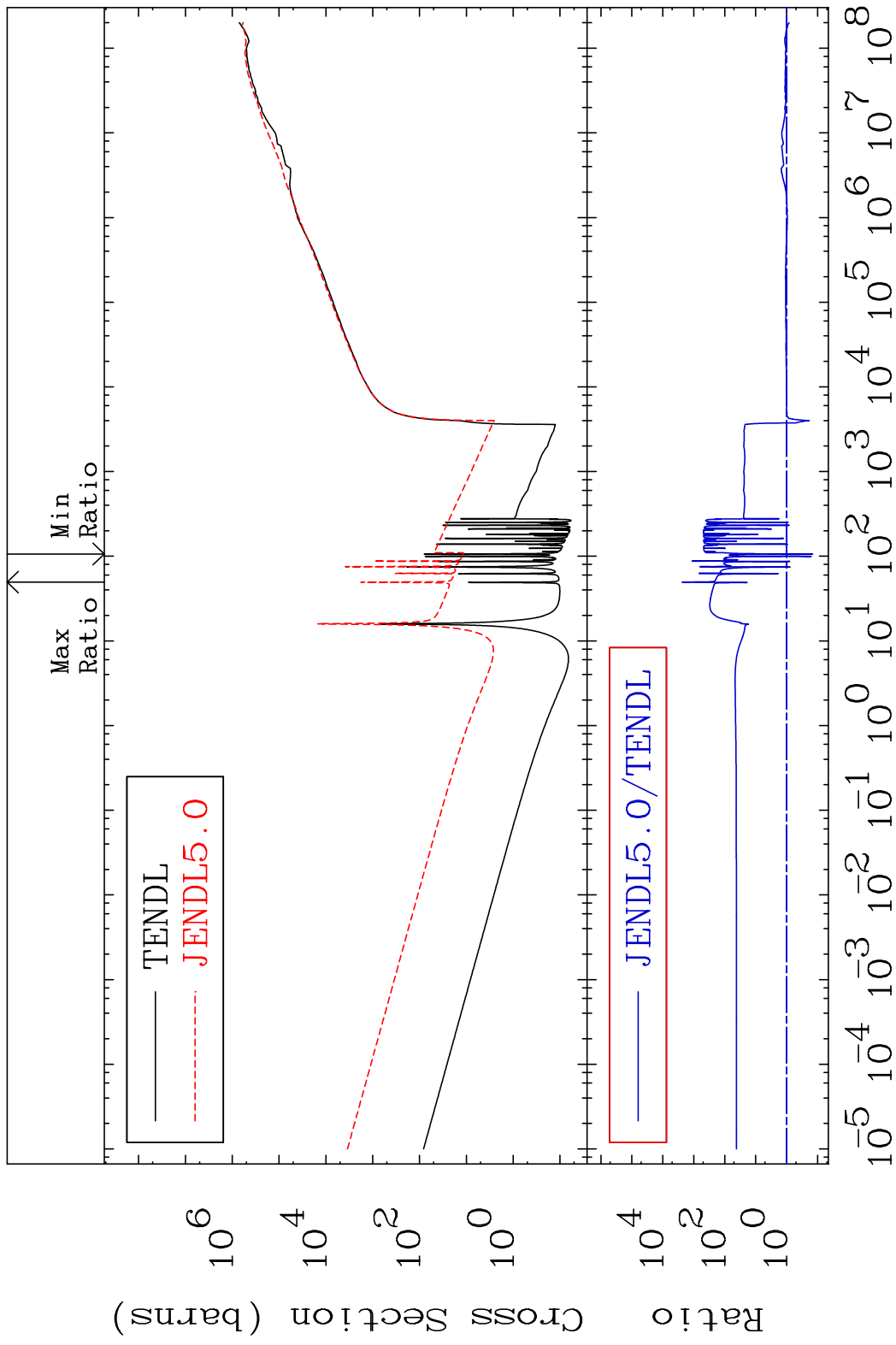
MAT 7425 Total photon (eV-barns) 74-W -180
 Cross Section -100.0 To 9999. %



MAT 7425 Total kinematic kerma (high limit) 74-W -180
 Cross Section -94.69 To 9999. %



MAT 7425 Dpa total (eV-barns) 74-W -180
 Cross Section -85.46 To 9999. %



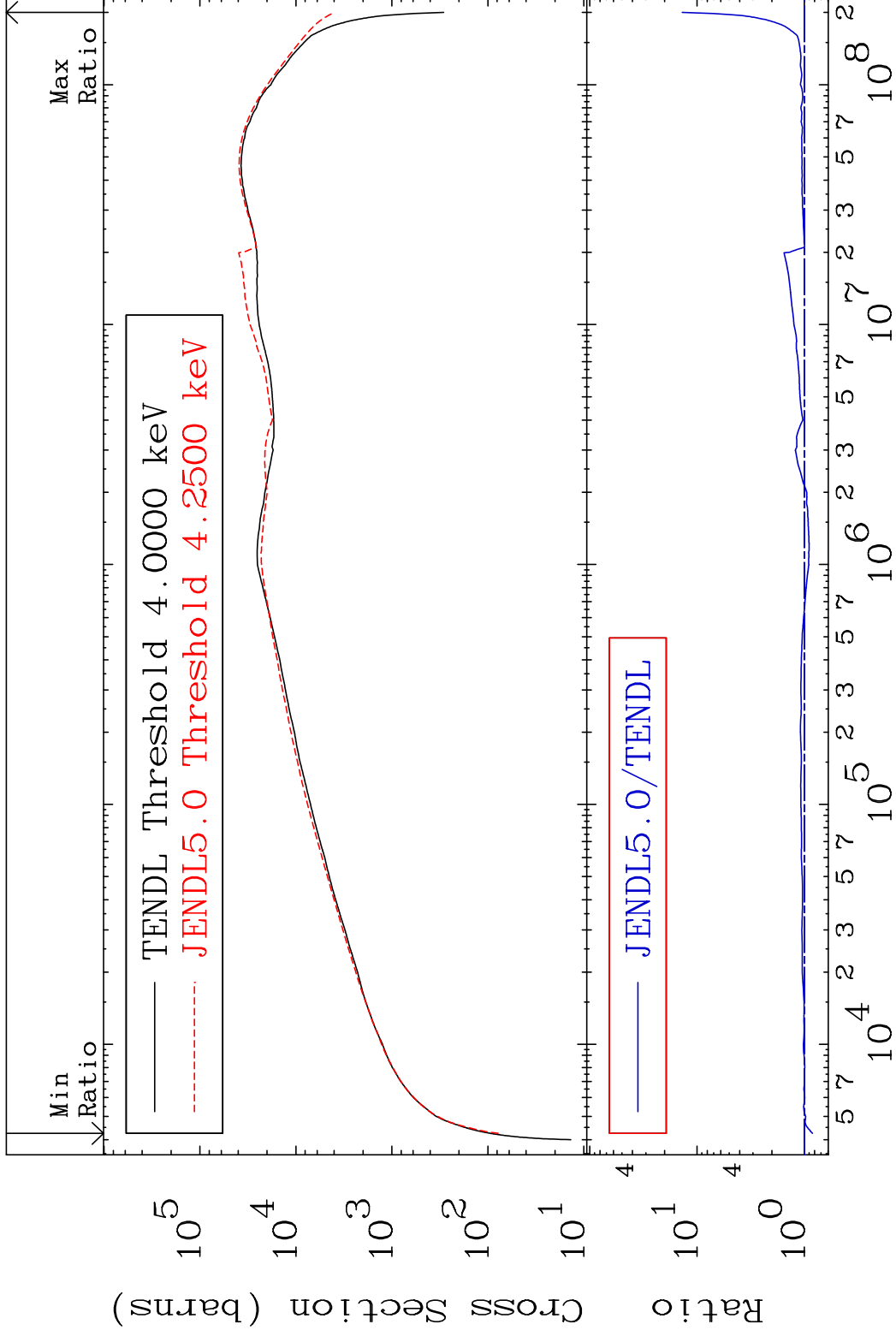
59 Incident Energy (eV) 74-W -180

MAT 7425

Dpa elastic (mt2)

74-W -180

Cross Section -16.19 To 1274. %

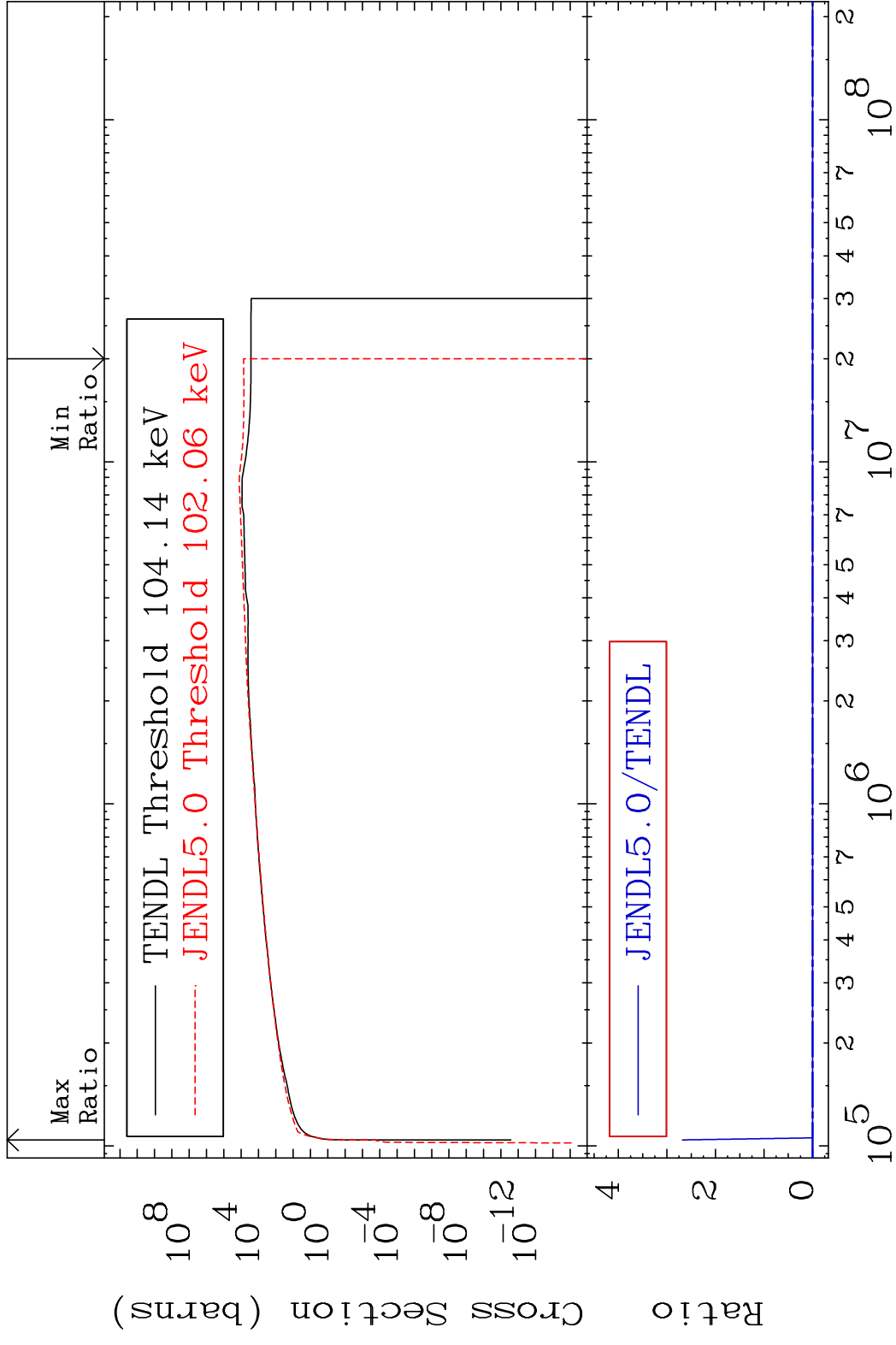


60

Incident Energy (eV)

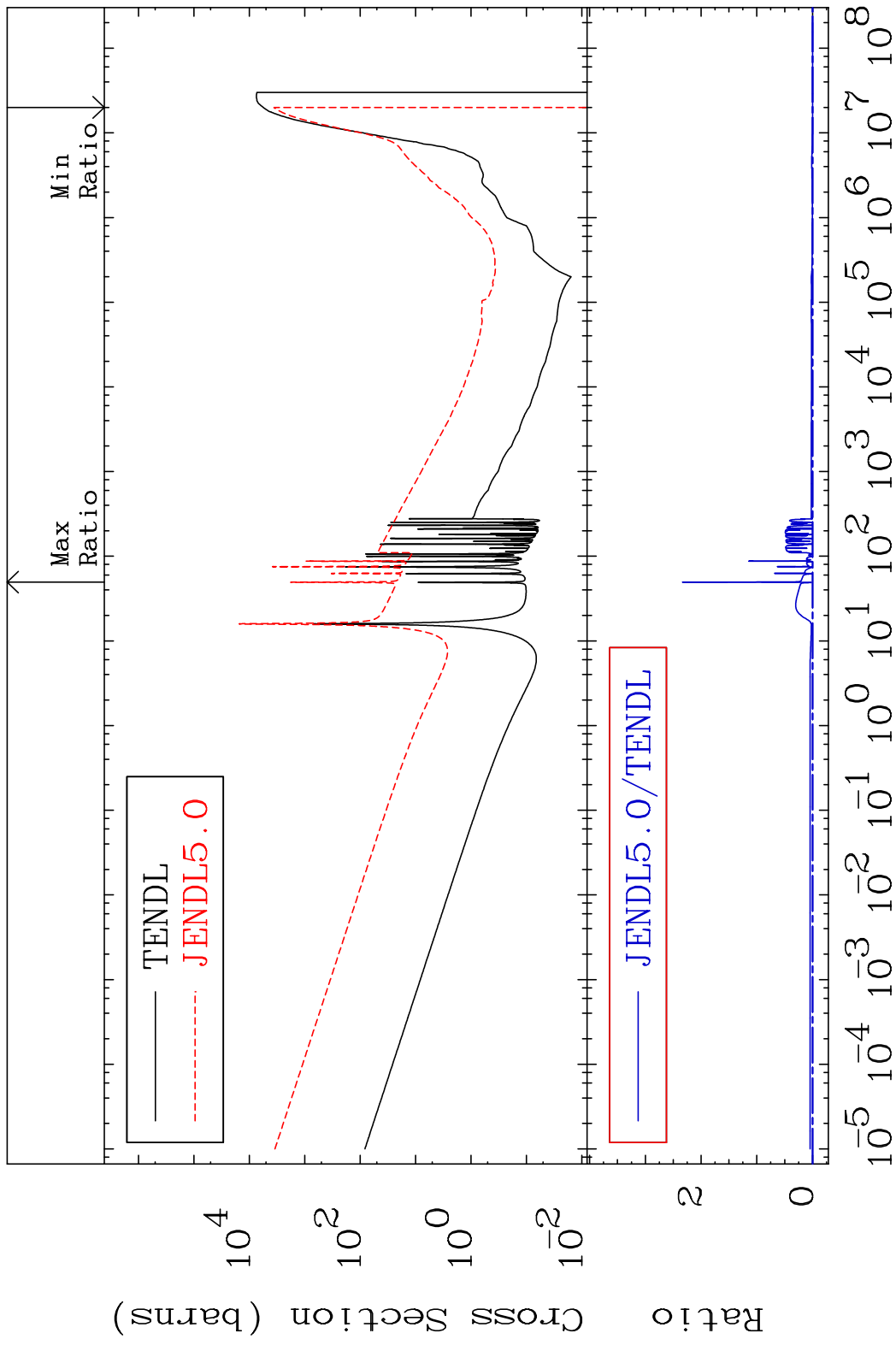
74-W -180

MAT 7425 Dpa inelastic (mt51-91) 74-W -180
 Cross Section -100.0 To 9999. %

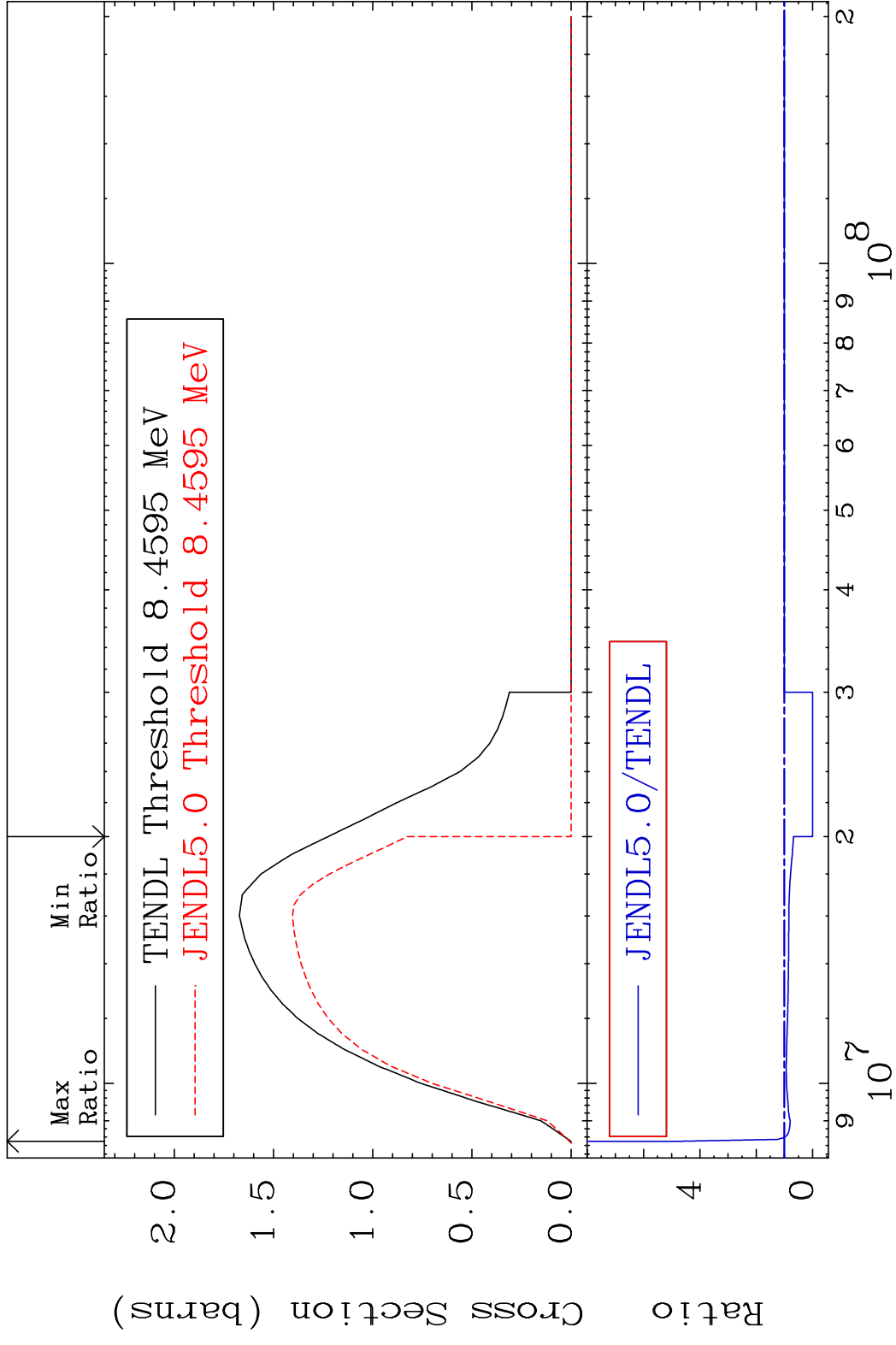


61 Incident Energy (eV) 74-W -180

MAT 7425 Dpa disappearance (mt102 -120) 74-W -180
 Cross Section -100.0 To 9999. %



MAT 7425 (n,2n):74-W -179g 74-W -180
 Radionuclide Production Cross Section Ratio 362.2 %



MAT 7425 (n,2n):74-W -179m2 74-W -180
 Radionuclide Production Cross Section 180.01 dth 46.33 %

