

Program Complot
(Version 2021-1)

by

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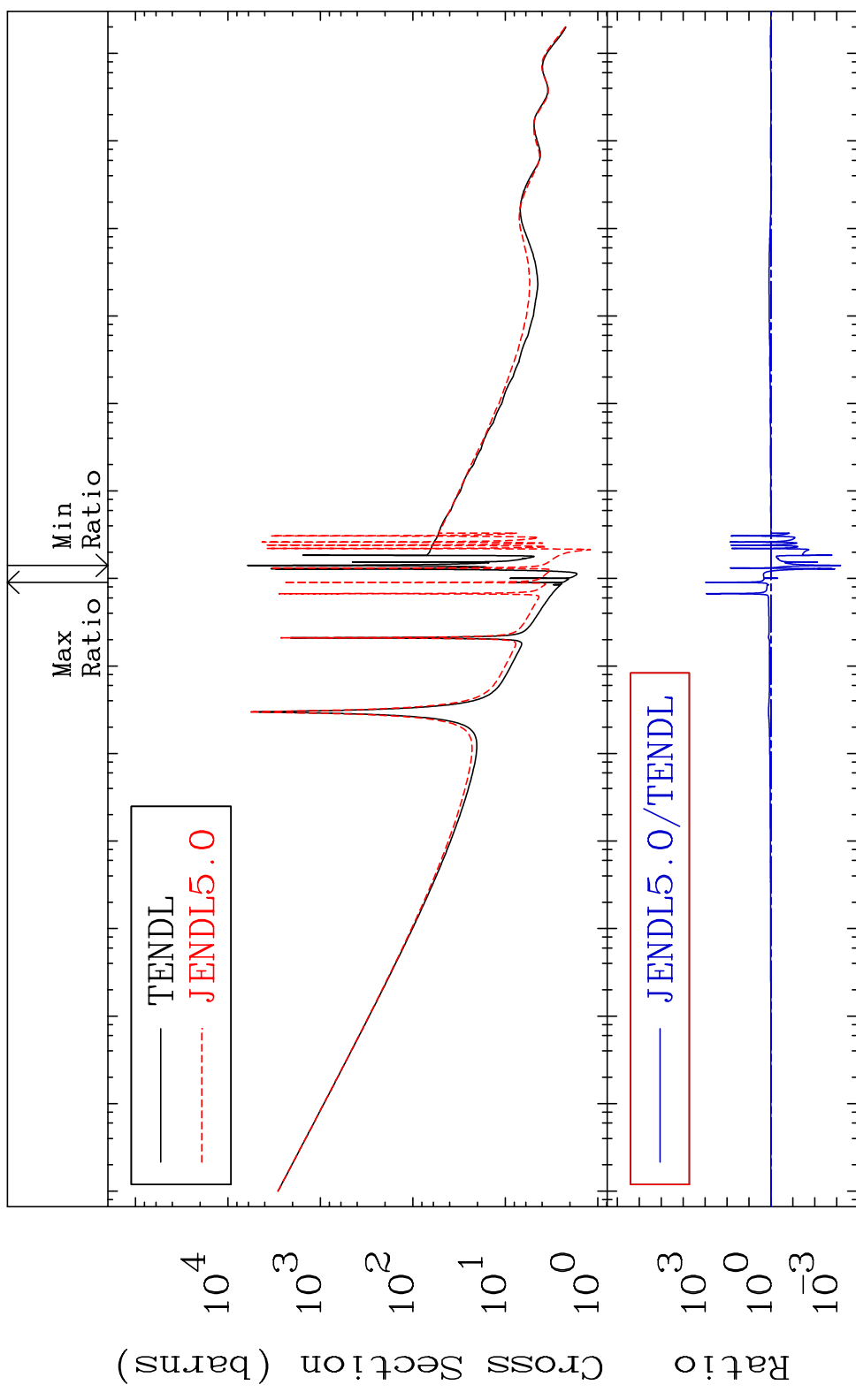
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5725

Total 57-La-138
Cross Section -99.93 To 9999. %



1

Incident Energy (eV)

57-La-138

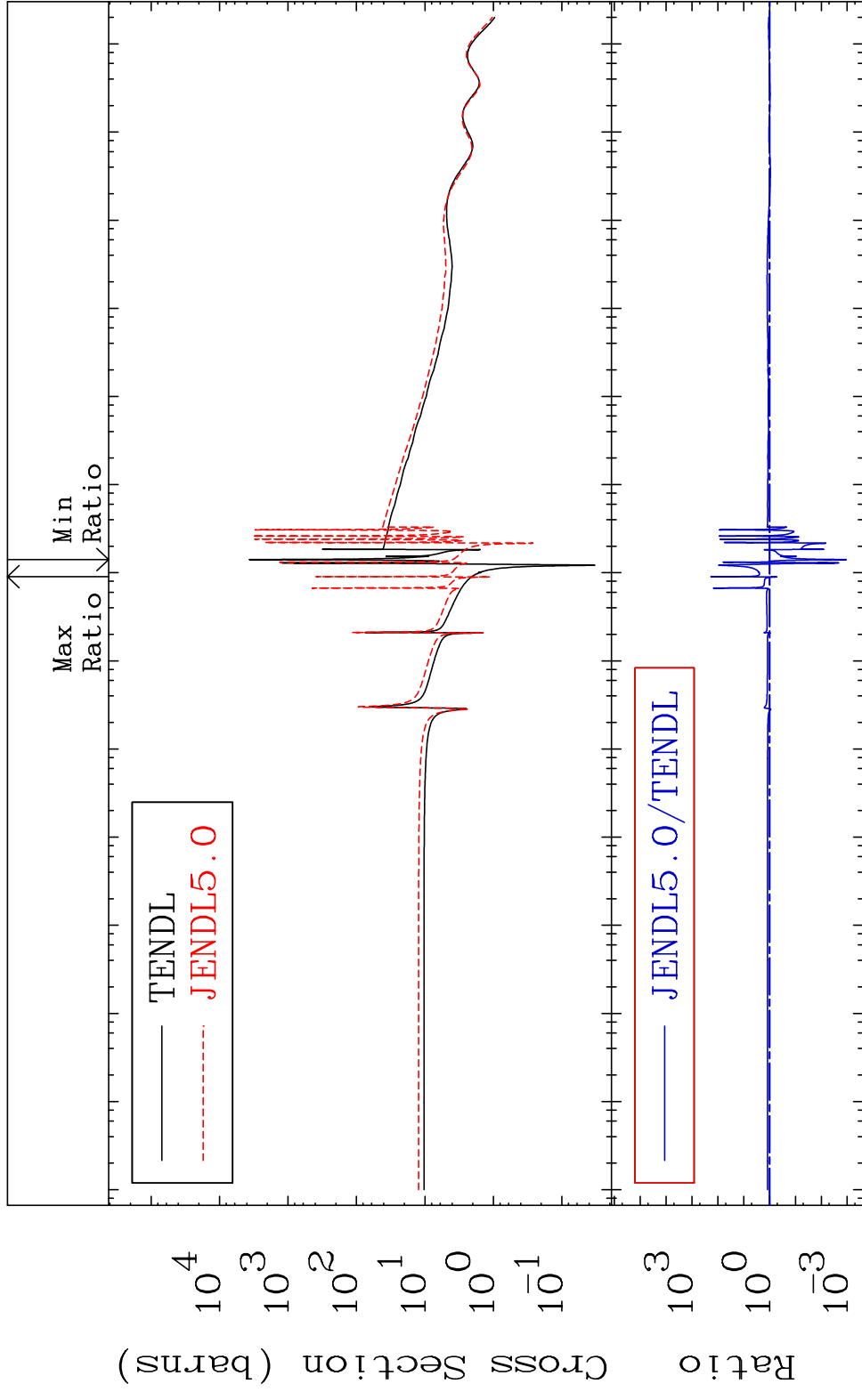
MAT 5725

Elastic

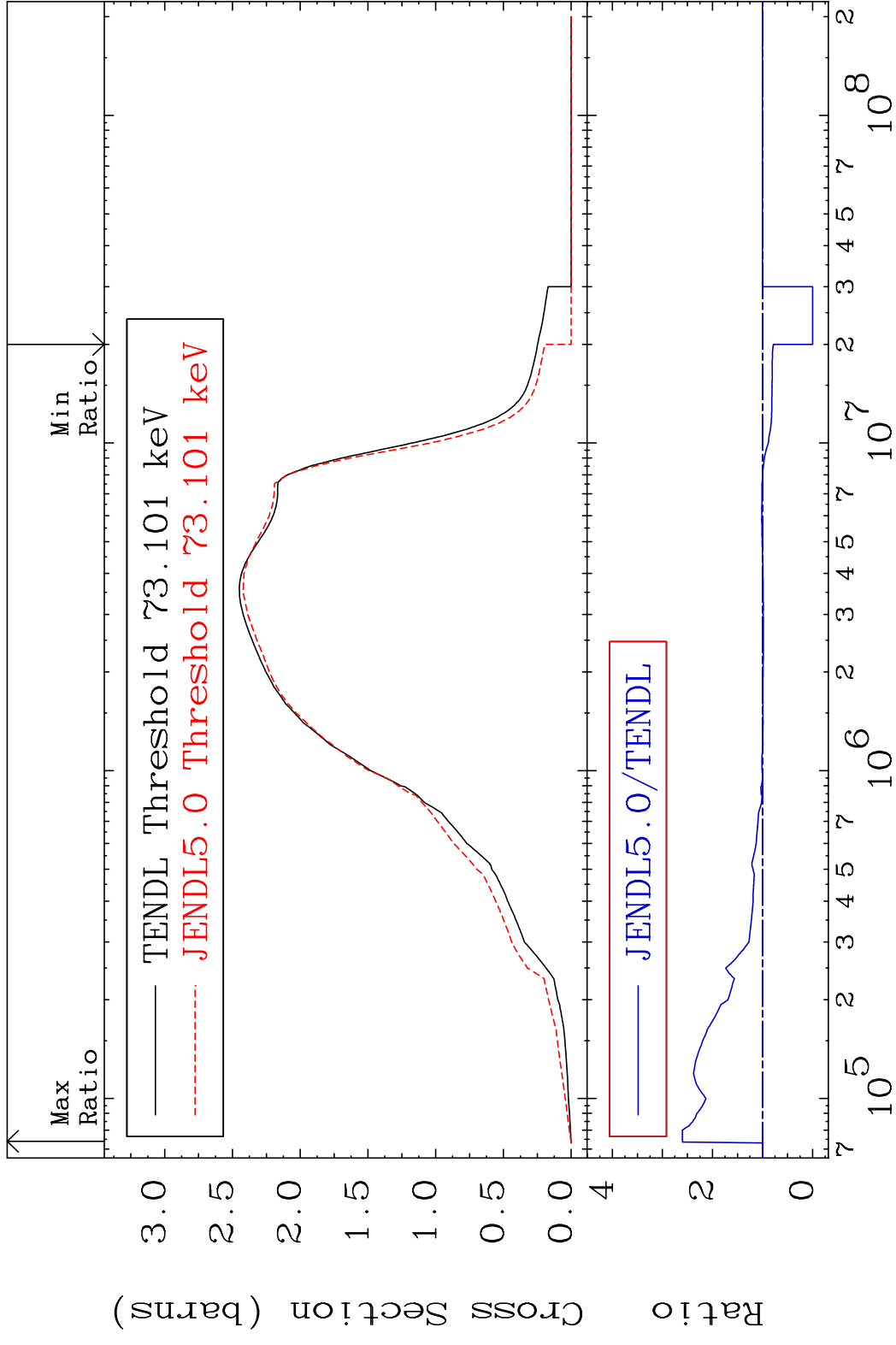
57-La-138

Cross Section

-99.89 To 9999. %



MAT 5725 Inelastic 57-La-138
 Cross Section -100.0 To 160.2 %



3 7 2 2 3 3 4 4 5 5 7 7 2 2 3 3 4 4 5 5 7 7 8 8 2 2
 10⁵ 10⁶ 10⁷ 10⁸

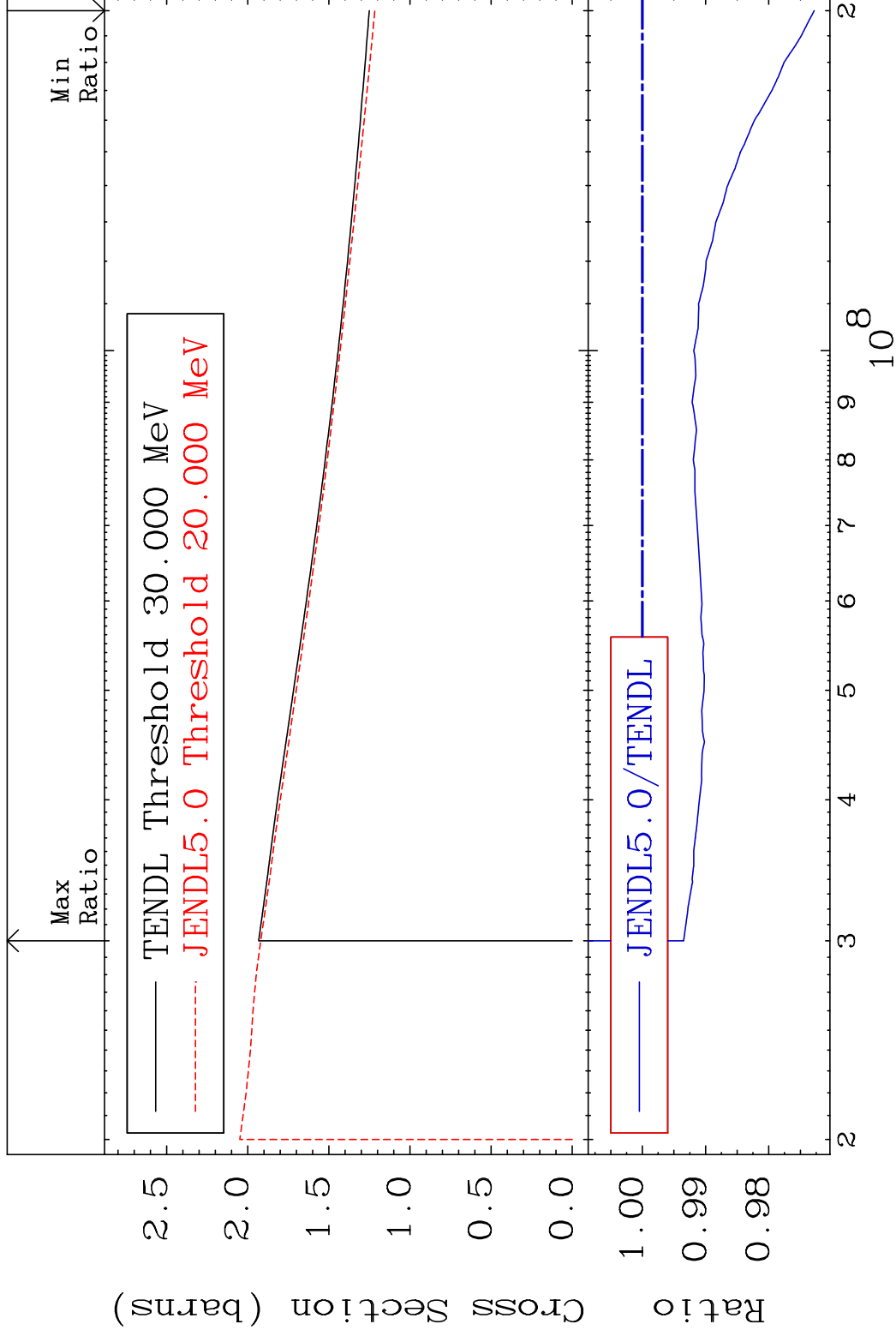
57-La-138

MAT 5725

(n, remainder)

57-La-138

Cross Section -2.718 To -0.653%

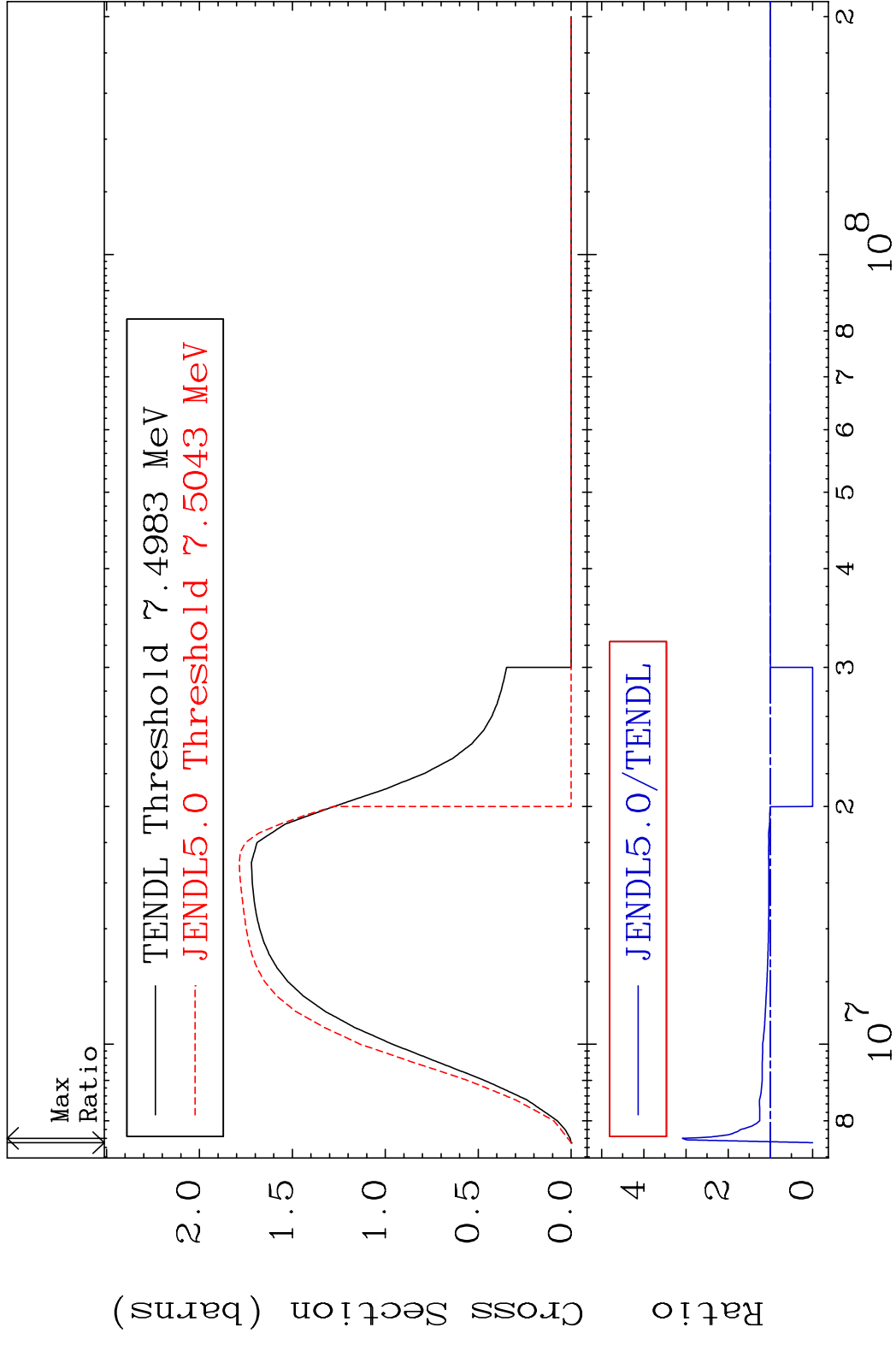


4

Incident Energy (eV)

57-La-138

MAT 5725 (n,2n) 57-La-138
Cross Section -100.0 To 208.6 %



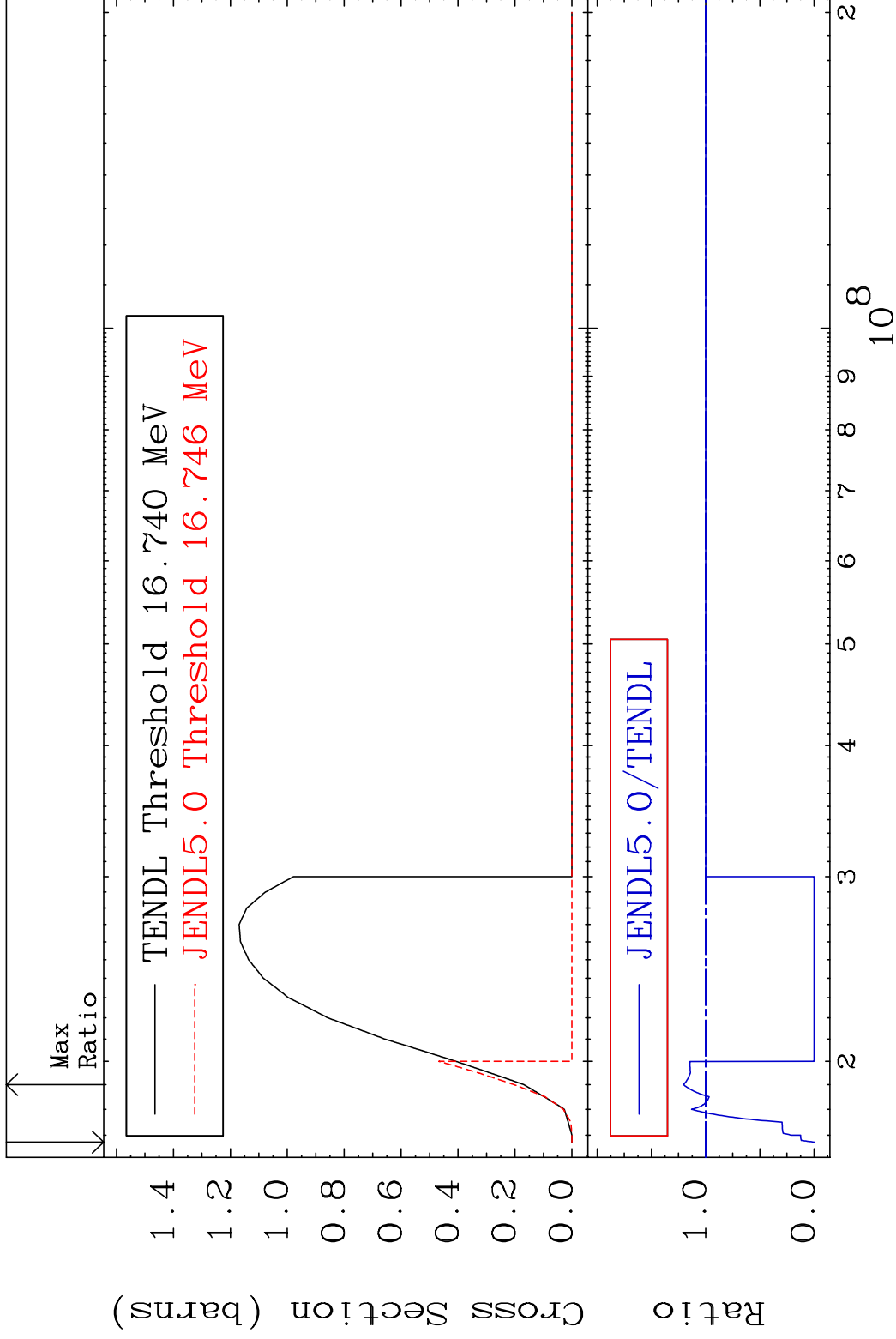
5 Incident Energy (eV) 57-La-138

MAT 5725

(n,3n)

57-La-138

Cross Section -100.0 To 20.46 %

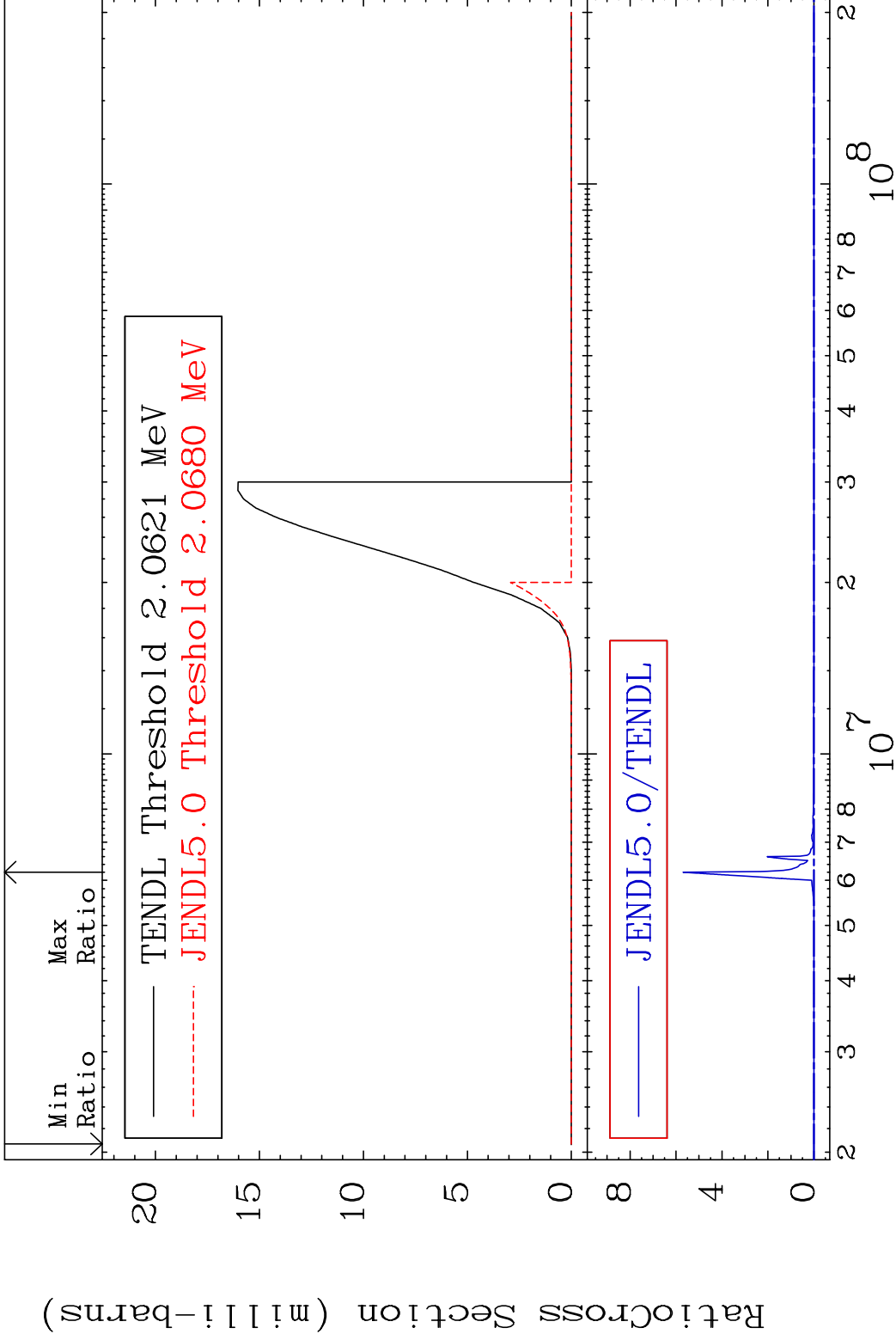


MAT 5725

(n, n') α

57-La-138

Cross Section -100.0 To 9999. %

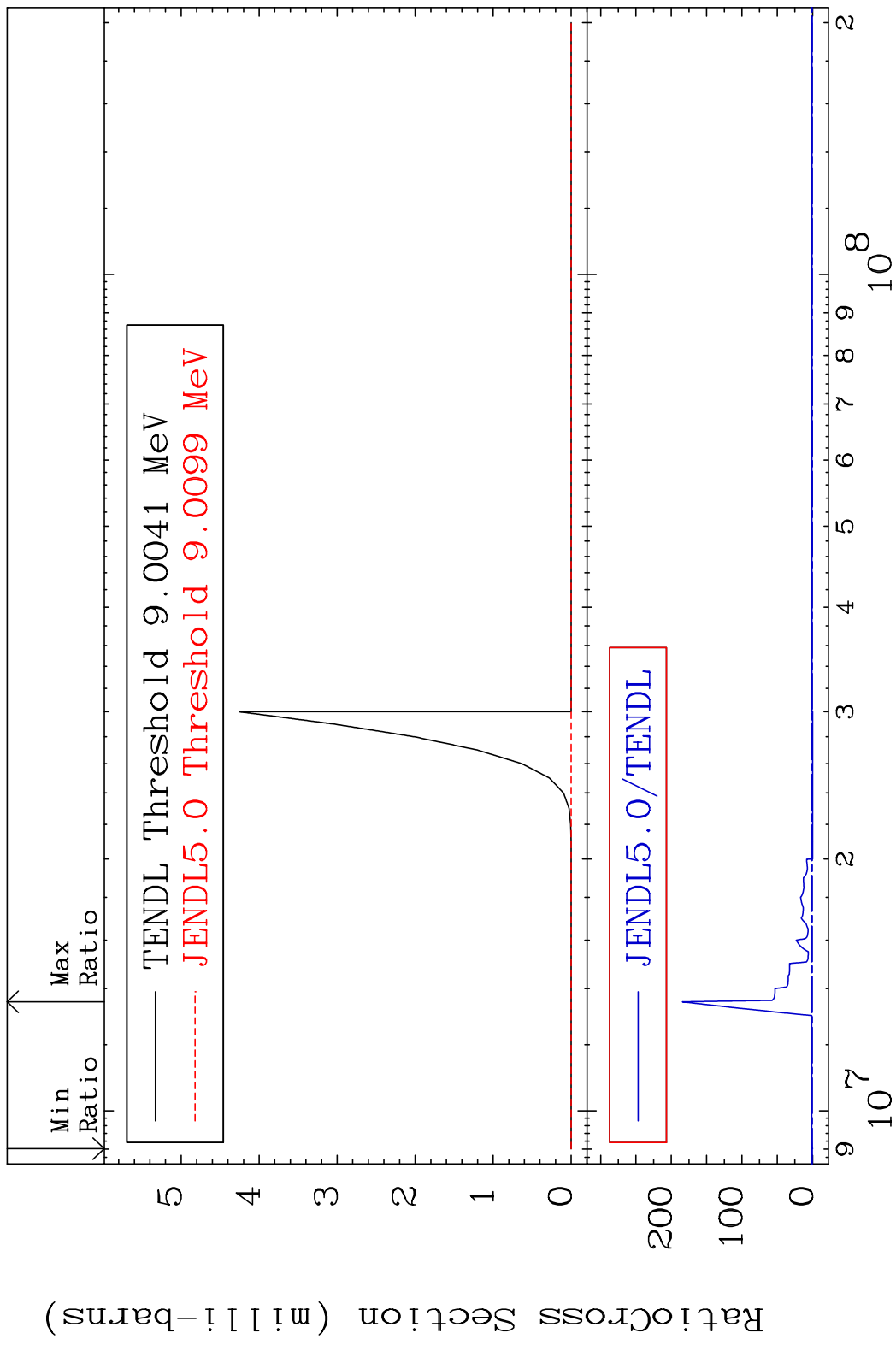


7

Incident Energy (eV)

57-La-138

MAT 5725 (n,2n) α 57-La-138
Cross Section -100.0 To 9999. %



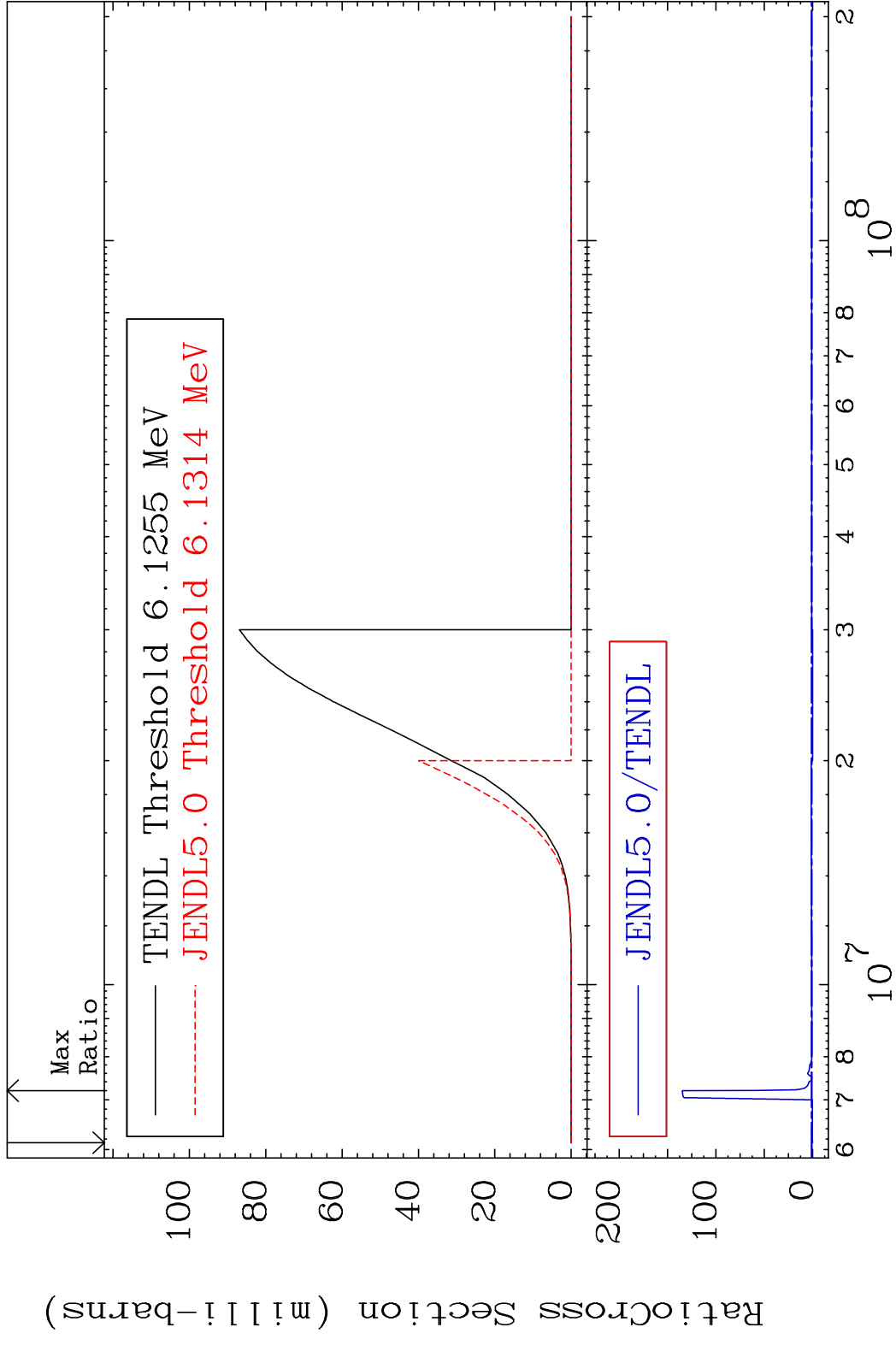
8 8 Incident Energy (eV) 57-La-138

MAT 5725

(n, n') p

57-La-138

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

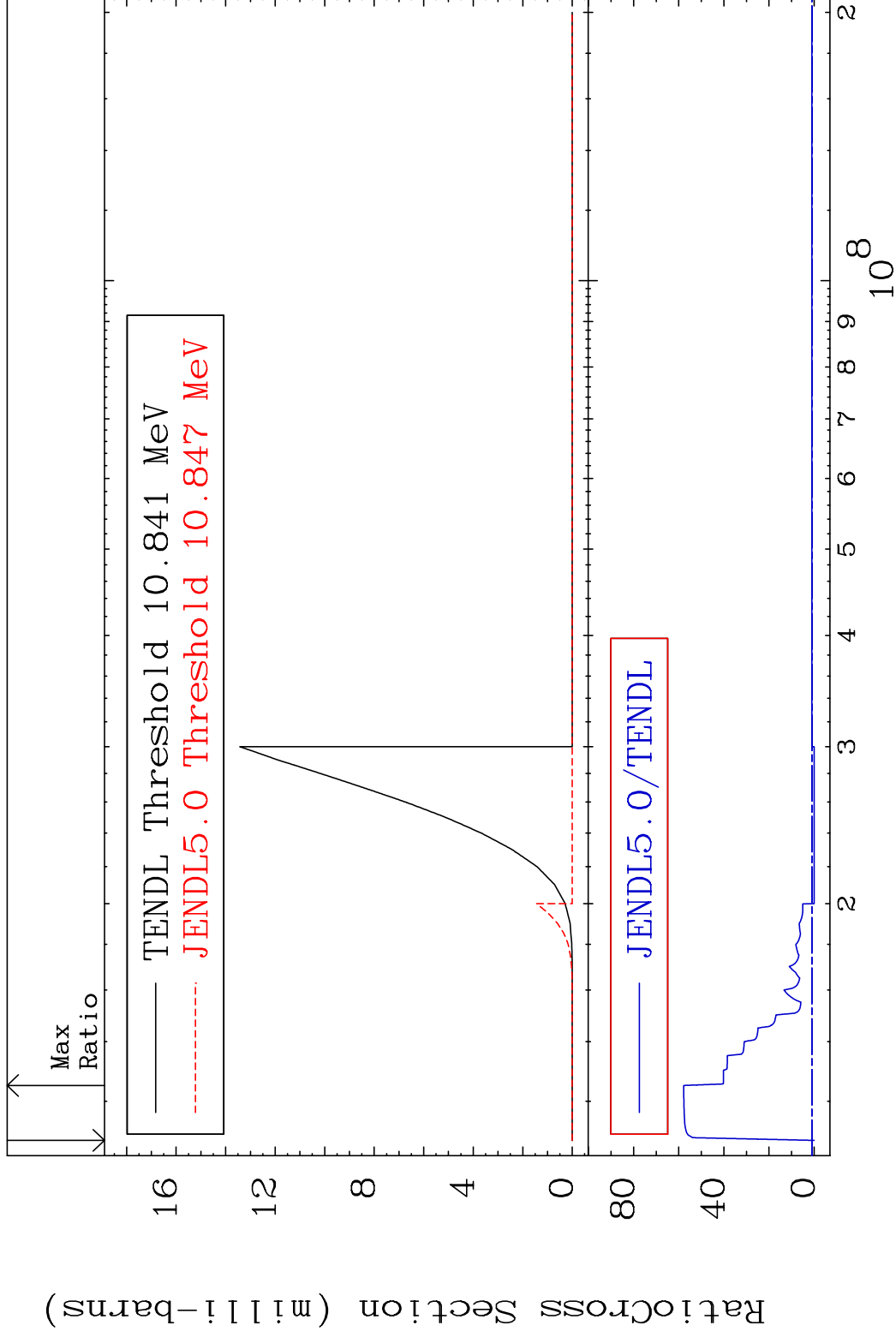
57-La-138

MAT 5725

(n, n') d

57-La-138

Cross Section -100.0 To 5683. %

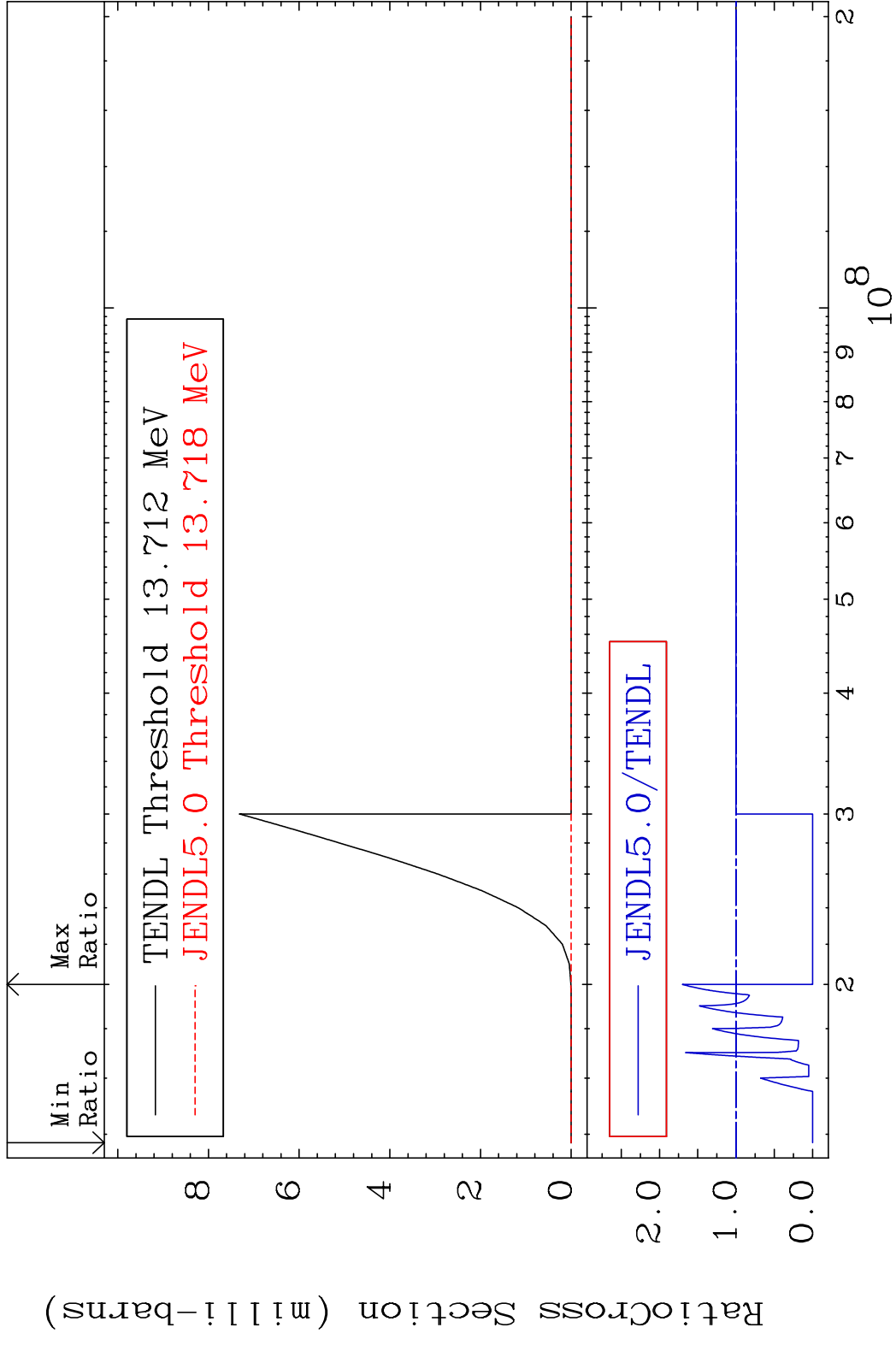


10

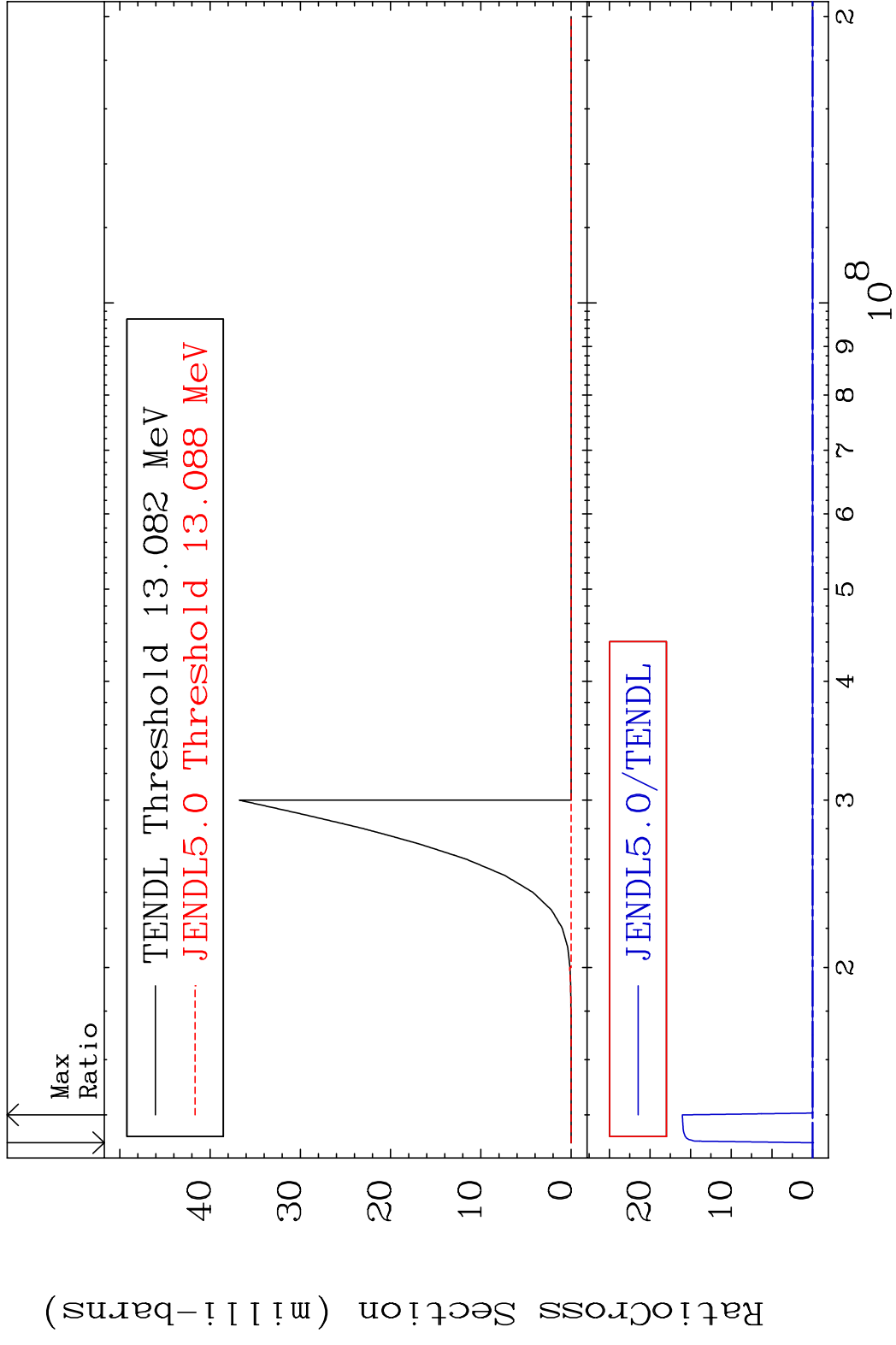
Incident Energy (eV)

57-La-138

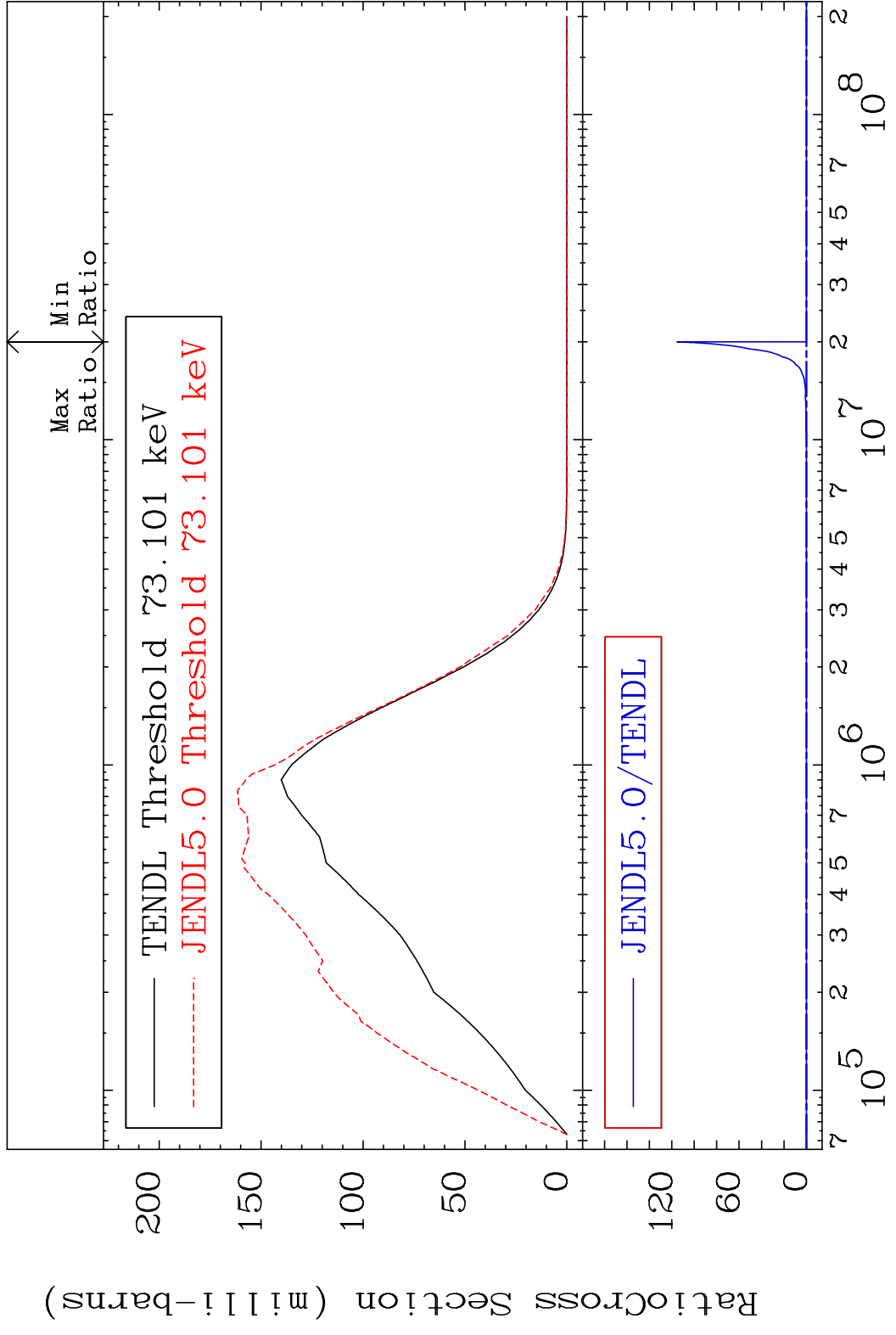
MAT 5725 (n, n') t 57-La-138
 Cross Section -100.0 To 70.12 %



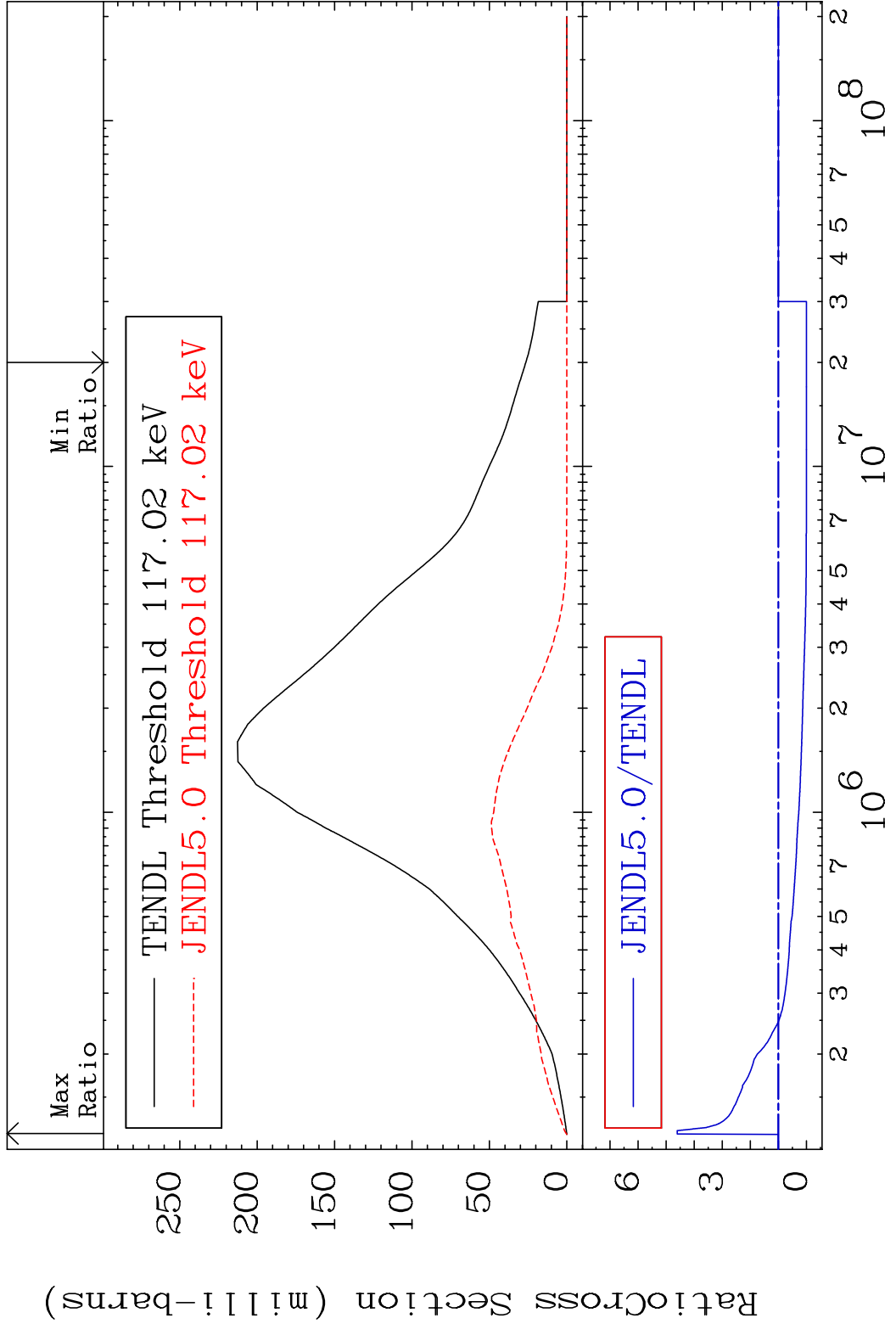
MAT 5725 (n,2n) p 57-La-138
 Cross Section -100.0 To 9999. %



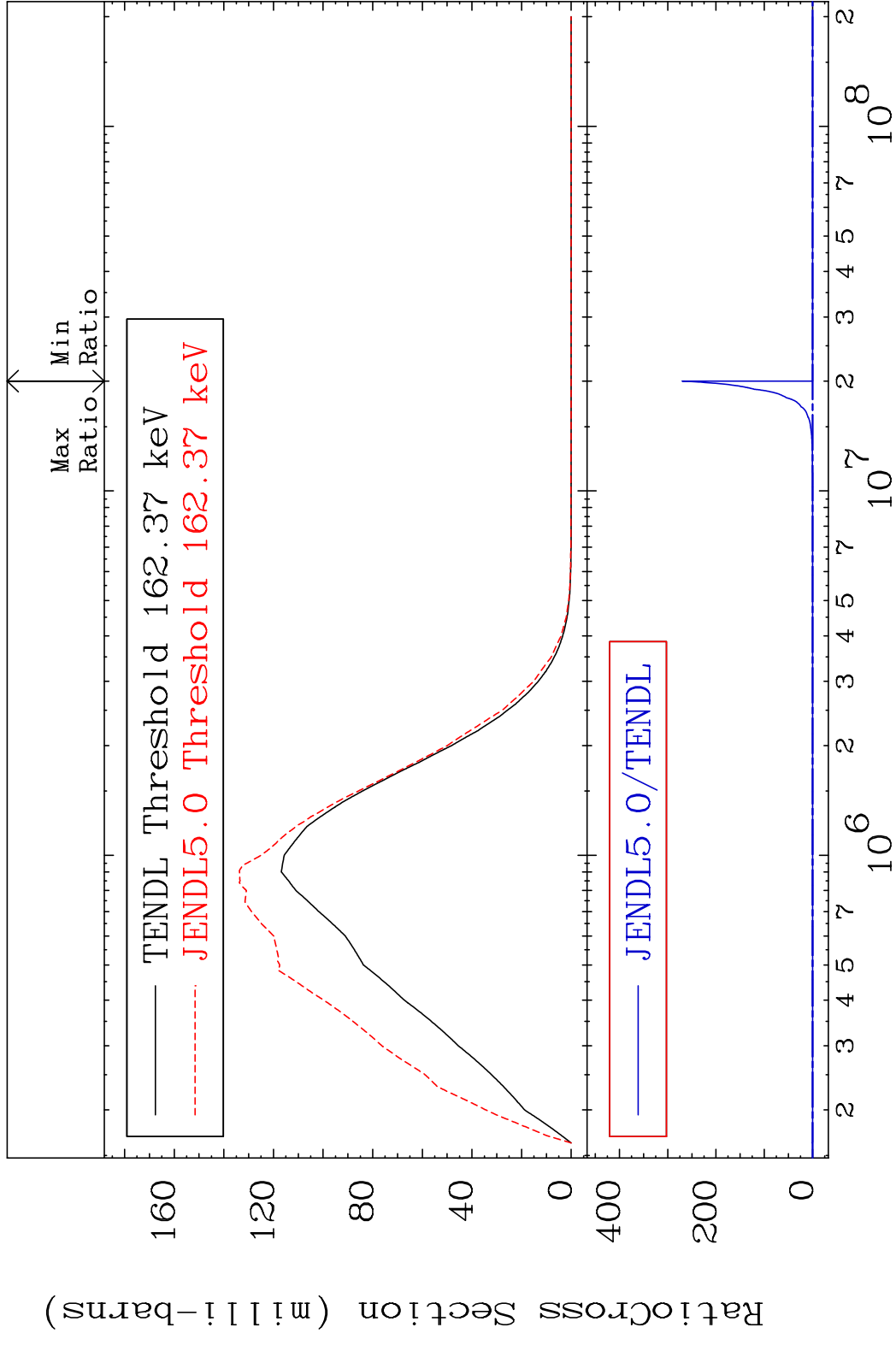
MAT 5725 MT= 51 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %



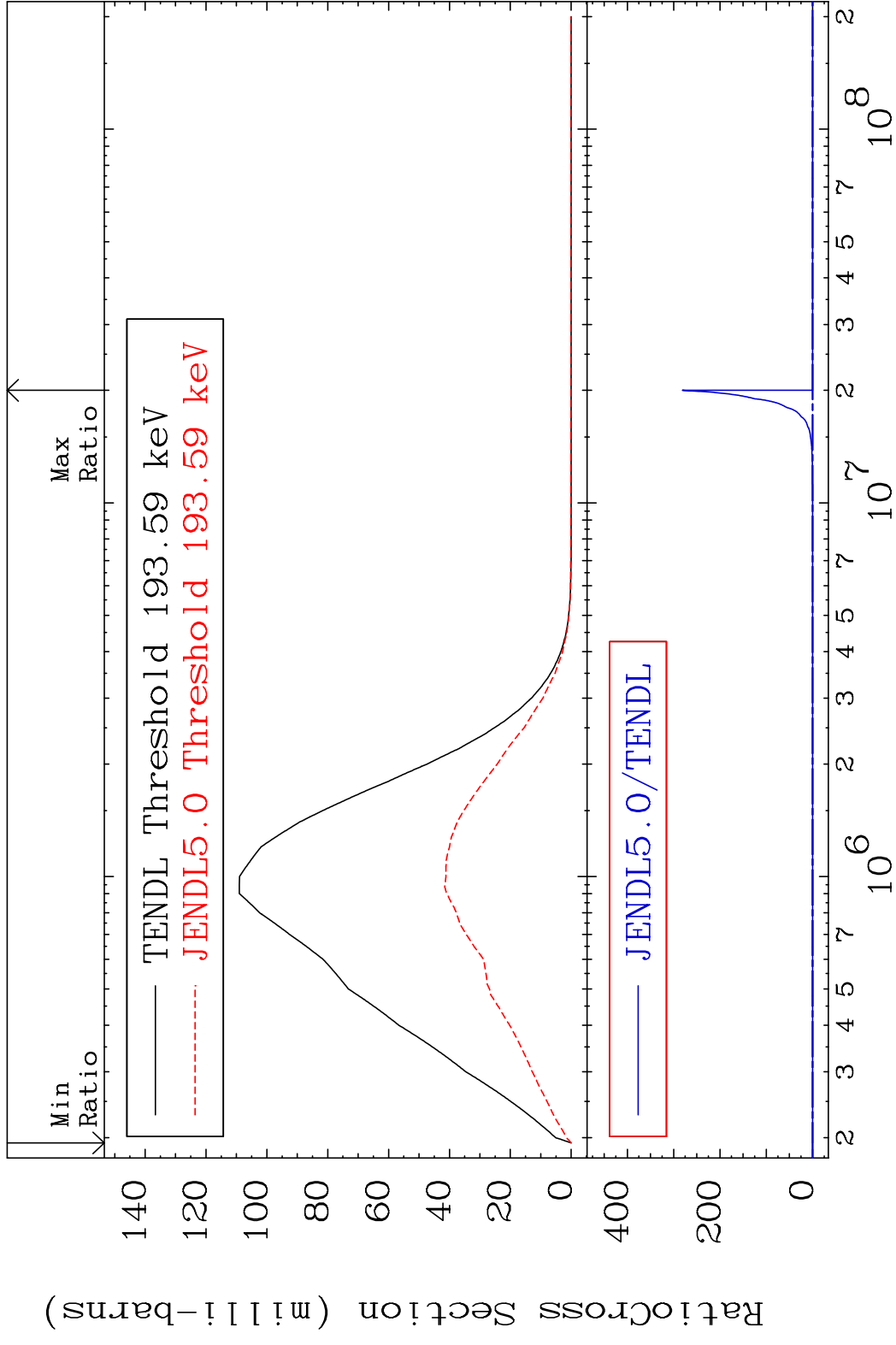
MAT 5725 MT= 52 (n, n') Level 57-La-138
 Cross Section -100.0 To 360.5 %



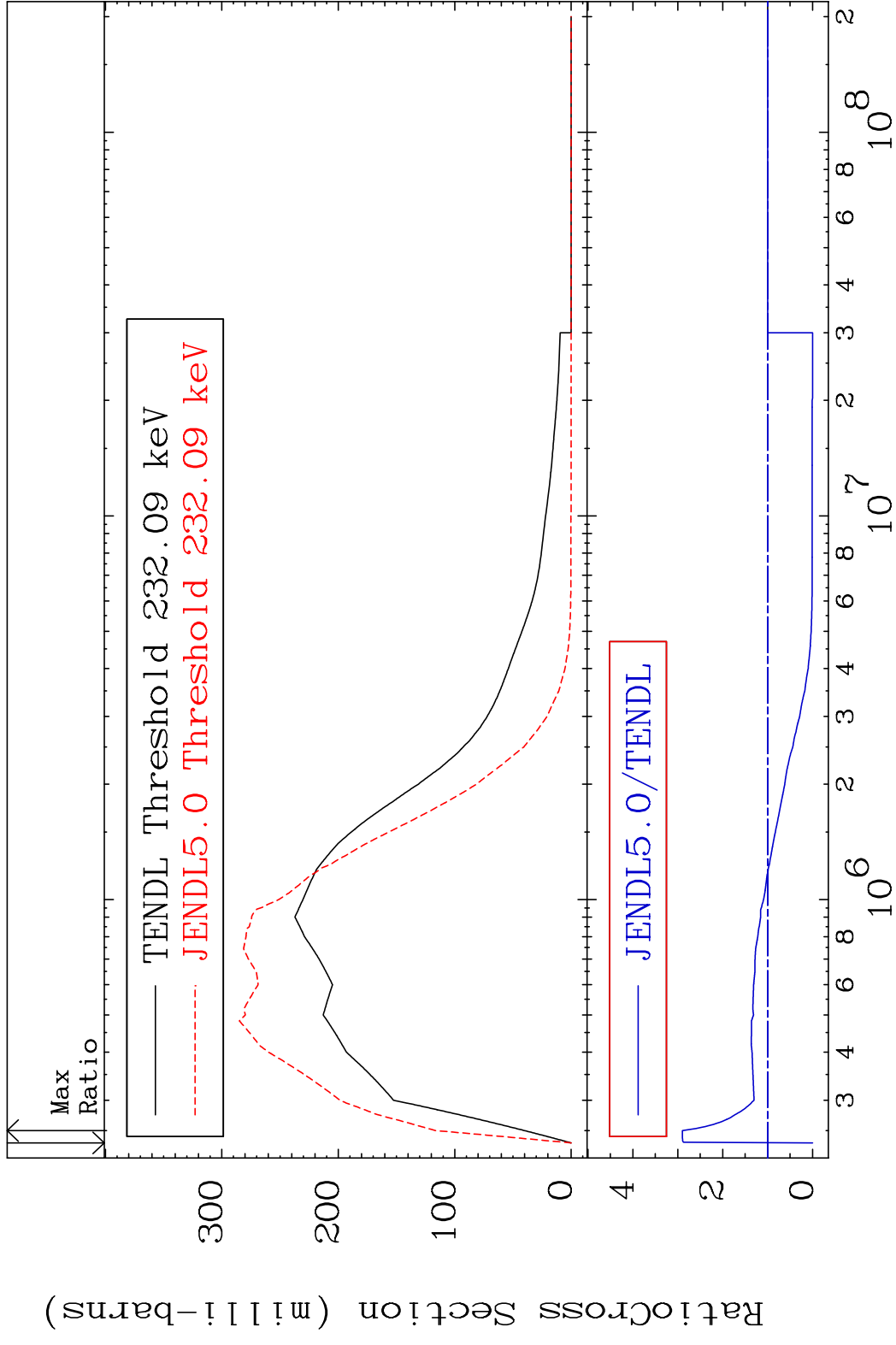
MAT 5725 MT= 53 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %



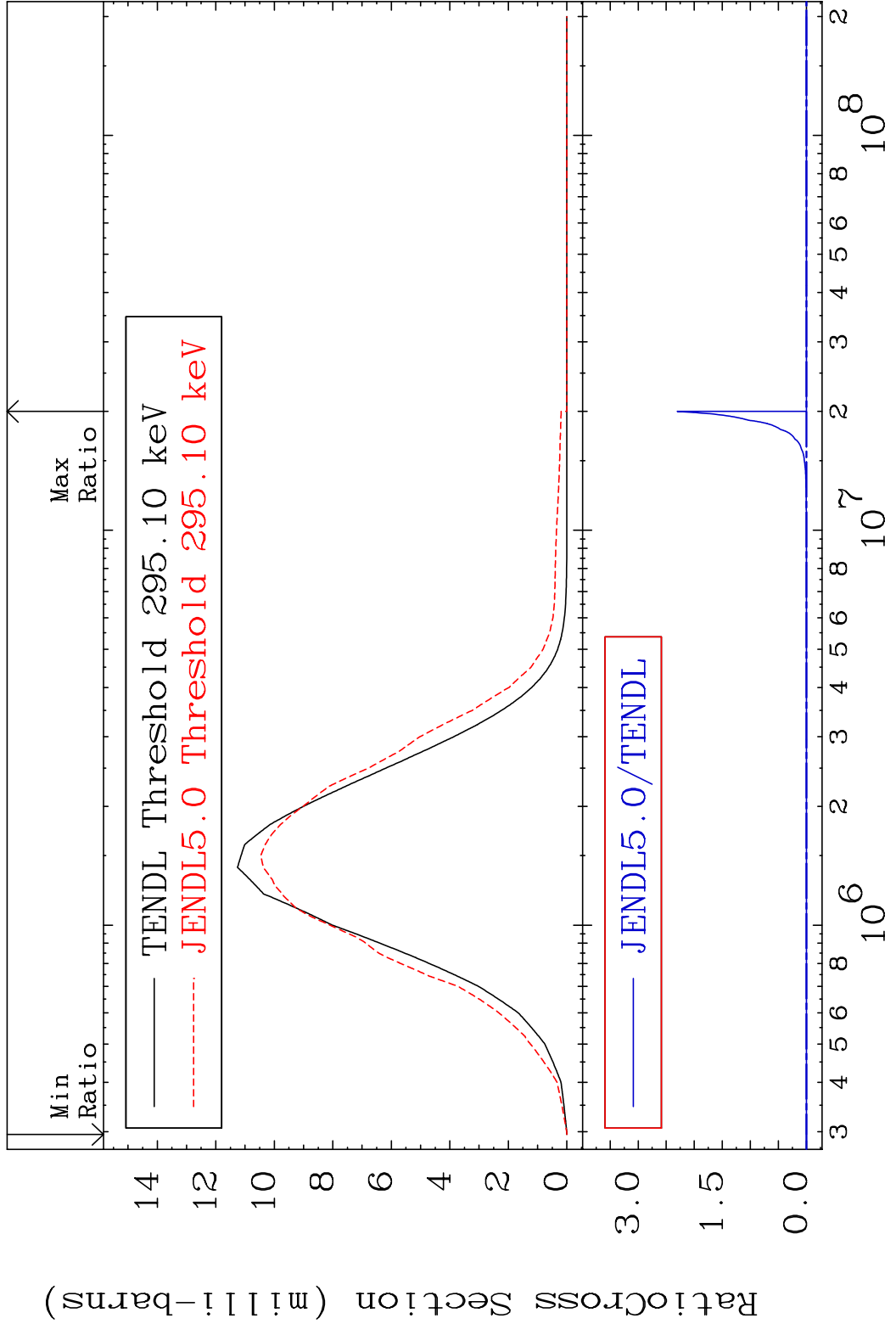
MAT 5725 MT= 54 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %



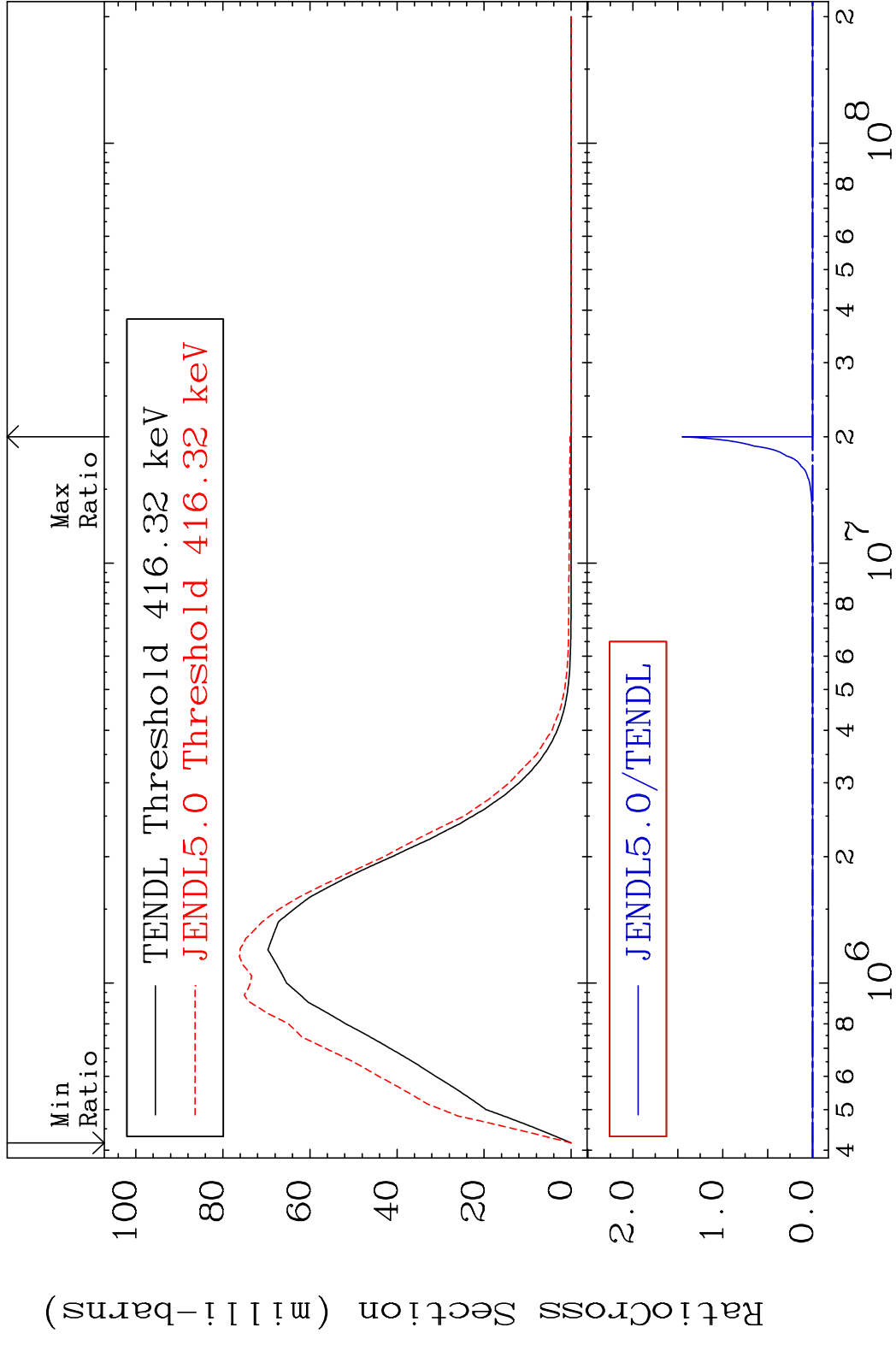
MAT 5725 MT= 55 (n,n') Level 57-La-138
 Cross Section -100.0 To 189.8 %



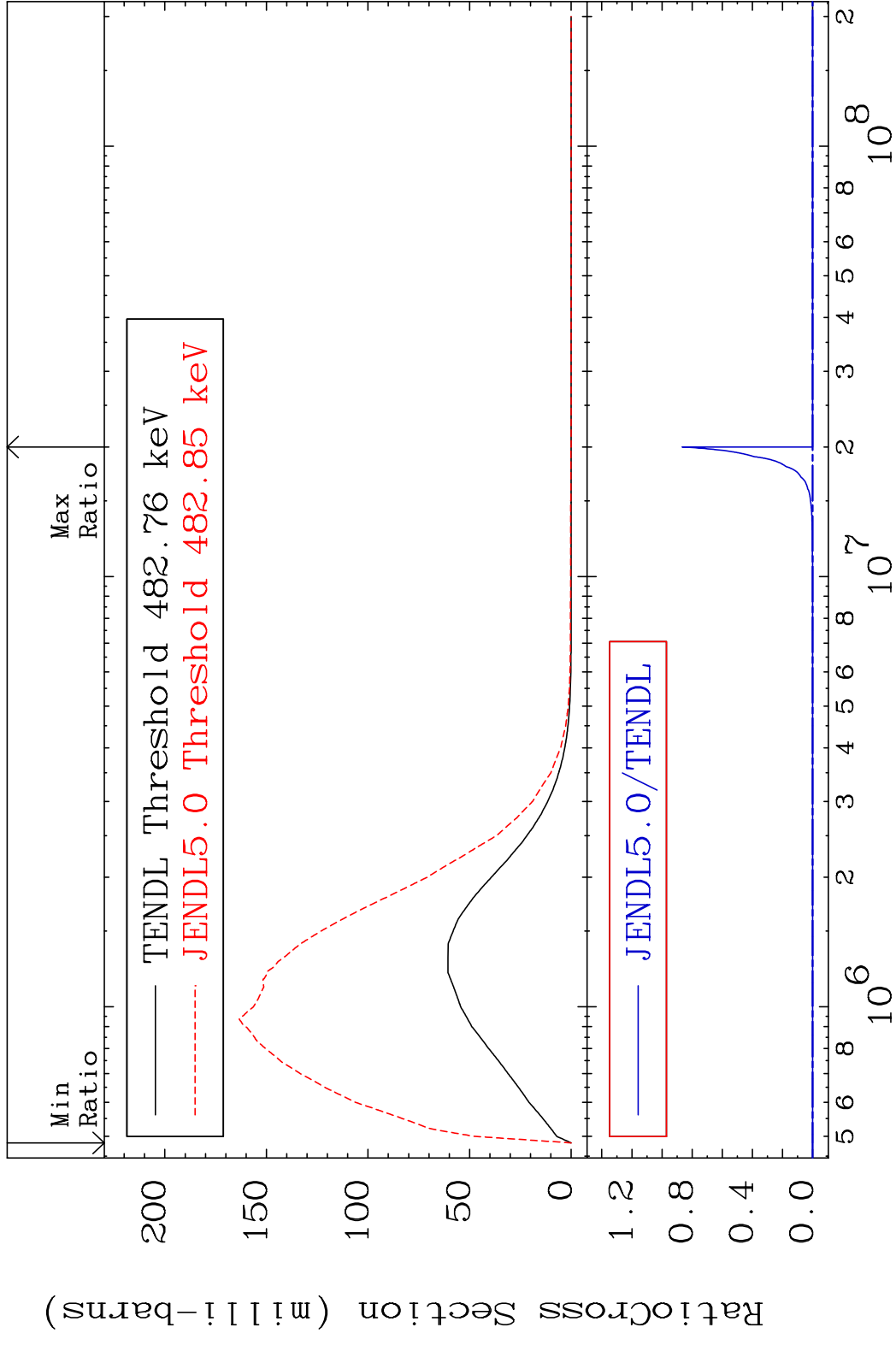
MAT 5725 MT= 56 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %



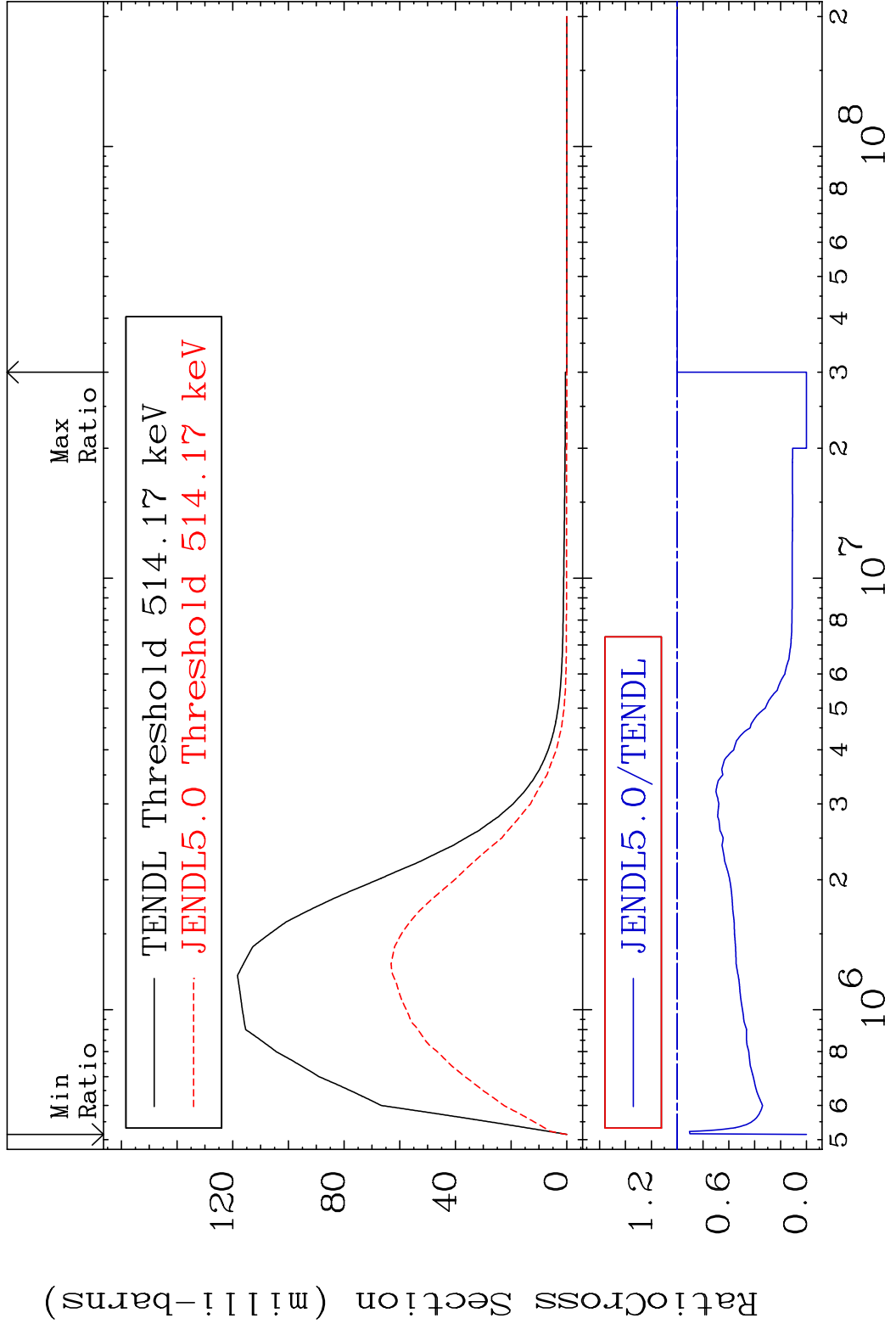
MAT 5725 MT= 57 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



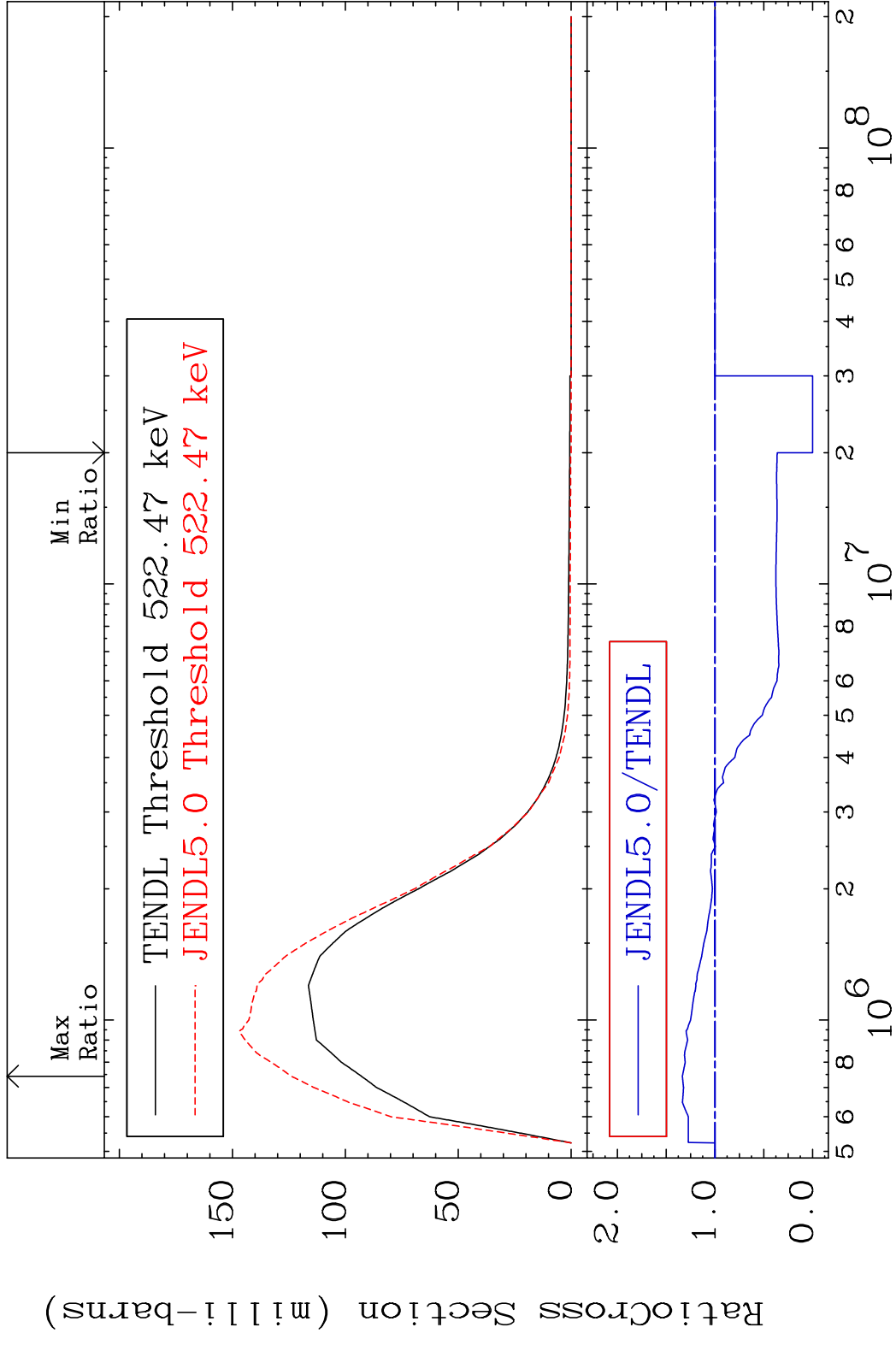
MAT 5725 MT= 58 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



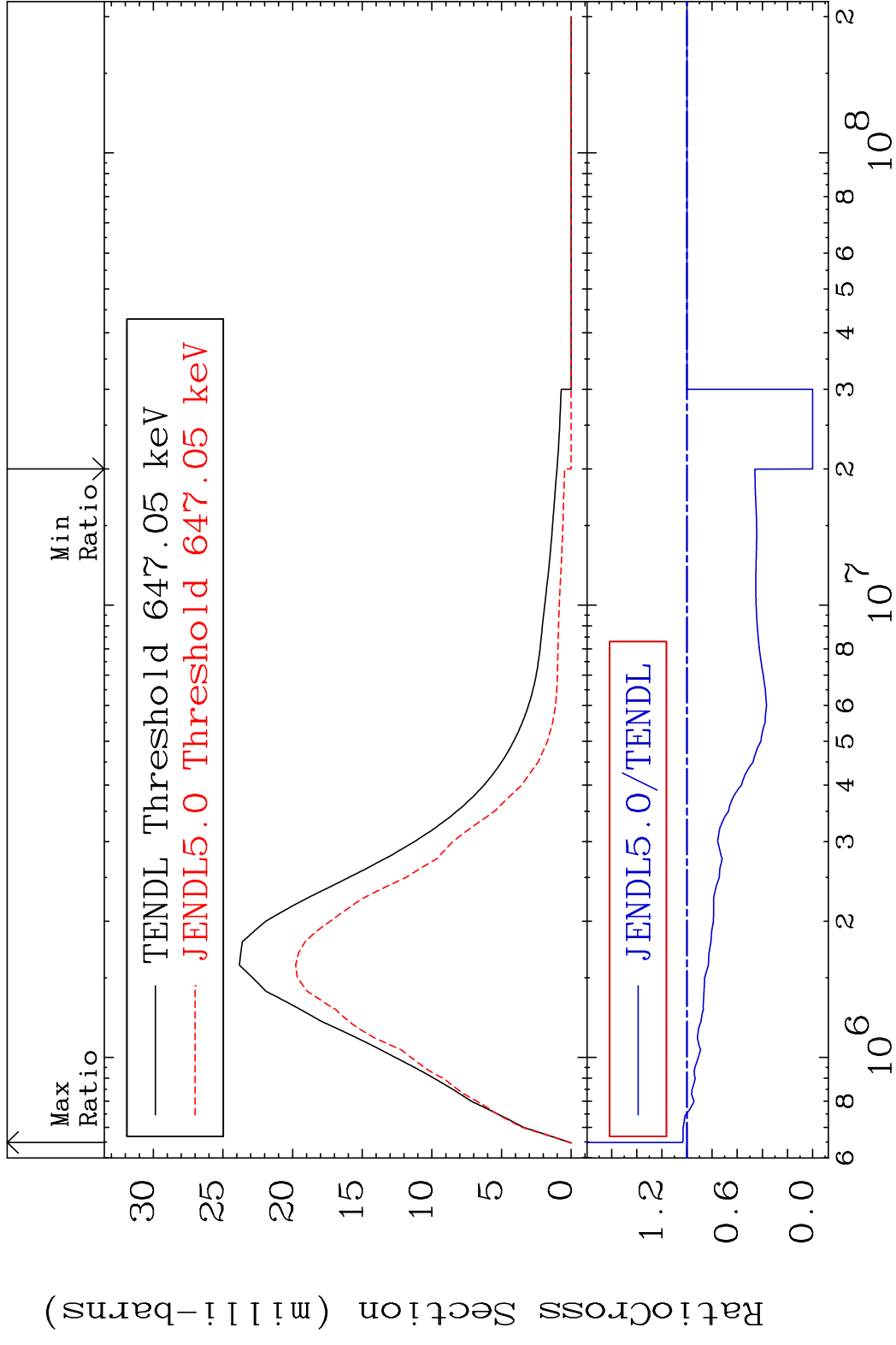
MAT 5725 MT= 59 (n, n') Level 57-La-138
 Cross Section -100.0 To 0.000 %



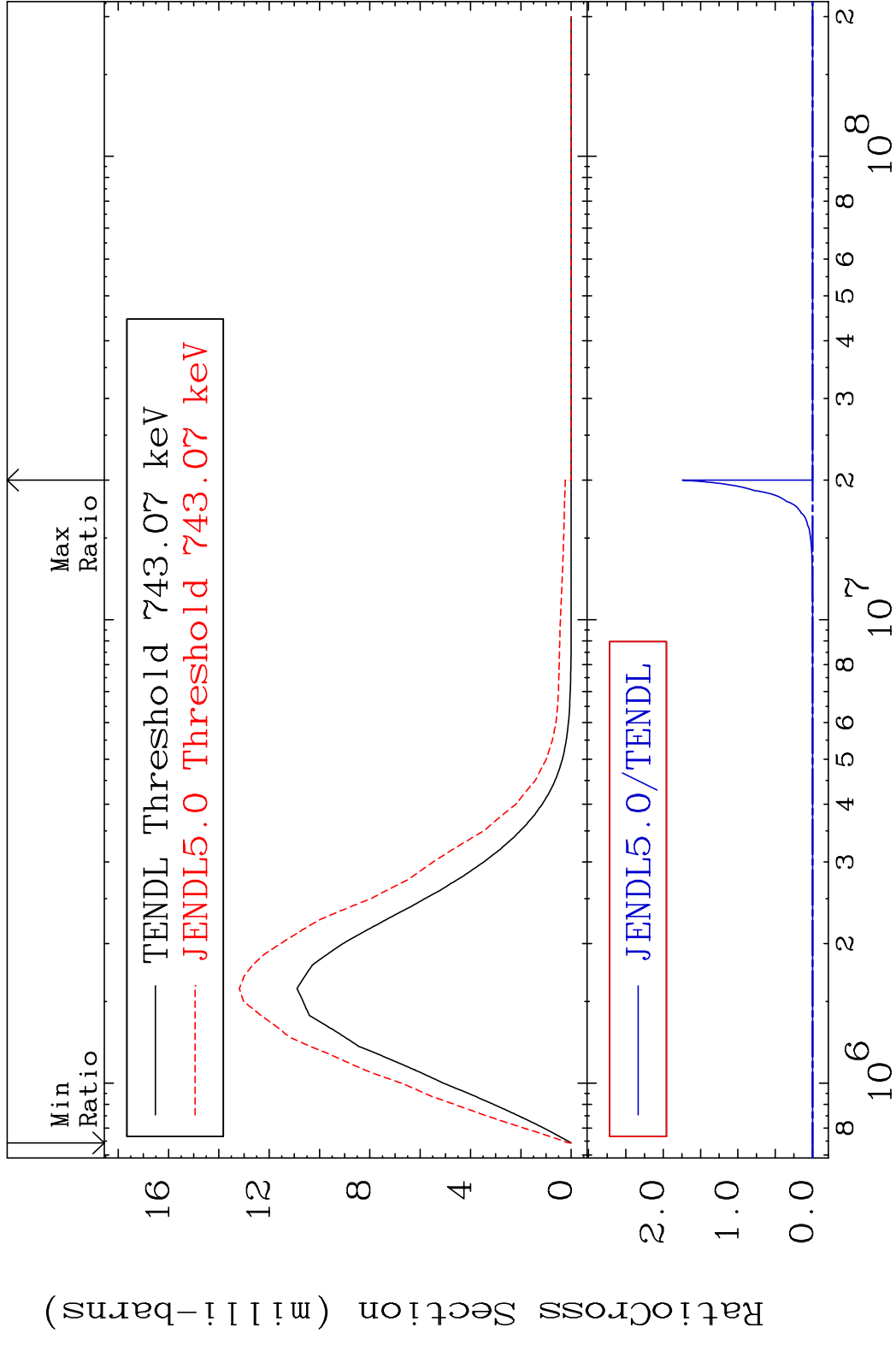
MAT 5725 MT= 60 (n, n') Level 57-La-138
 Cross Section -100.0 To 33.38 %



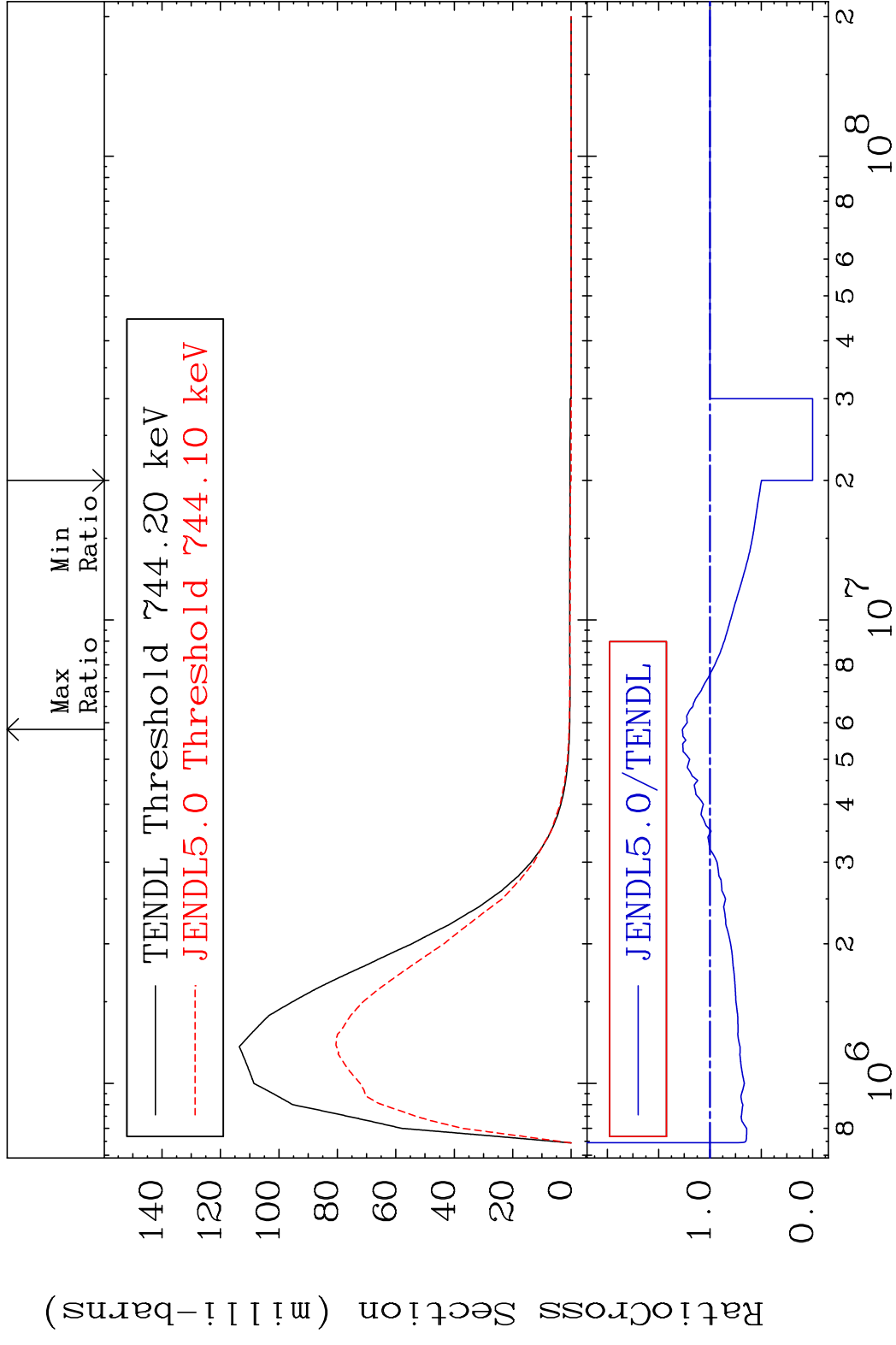
MAT 5725 MT= 61 (n, n') Level 57-La-138
 Cross Section -100.0 To 3.711 %



MAT 5725 MT= 62 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %

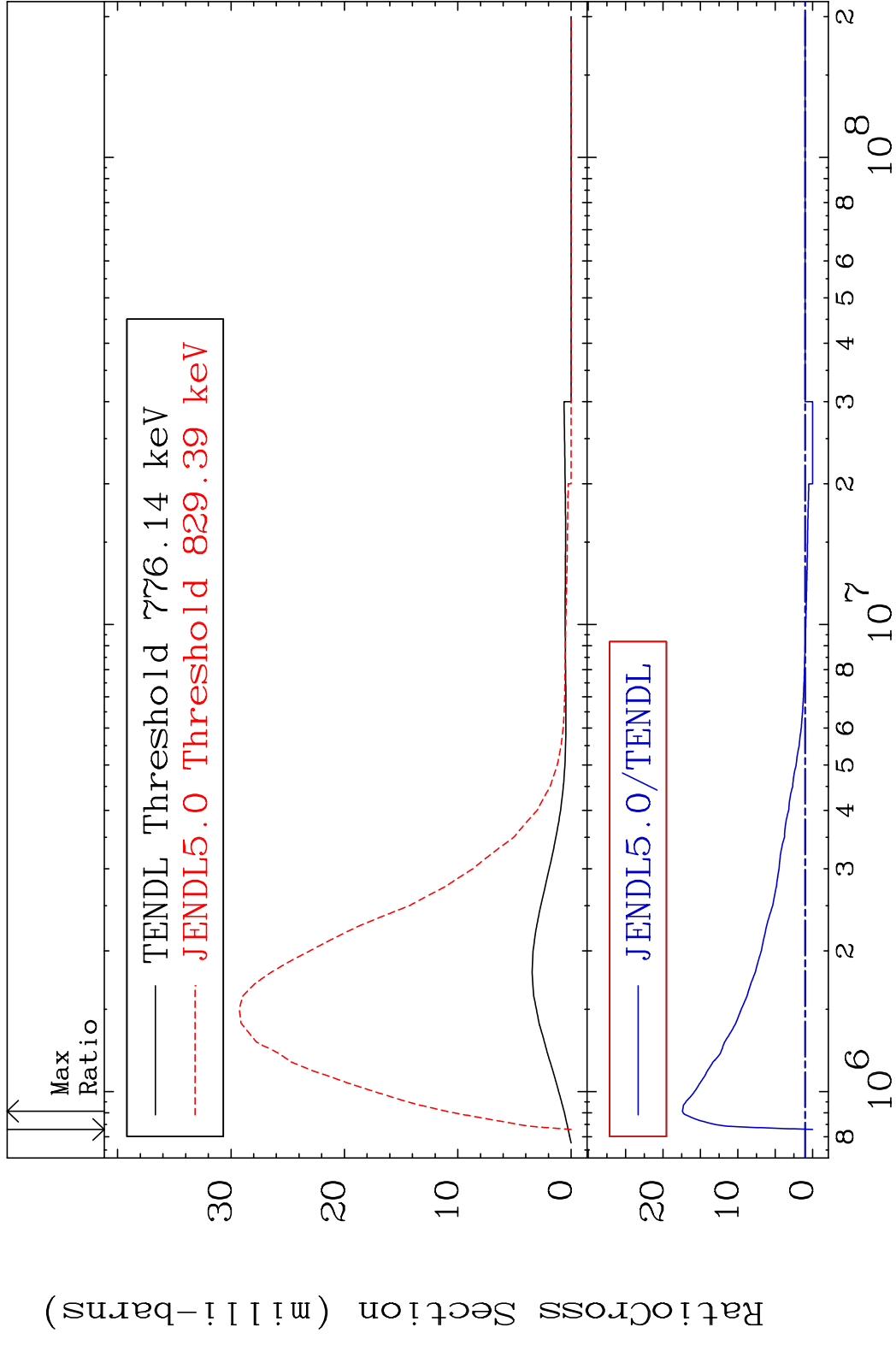


MAT 5725 MT= 63 (n, n') Level 57-La-138
 Cross Section -100.0 To 26.88 %

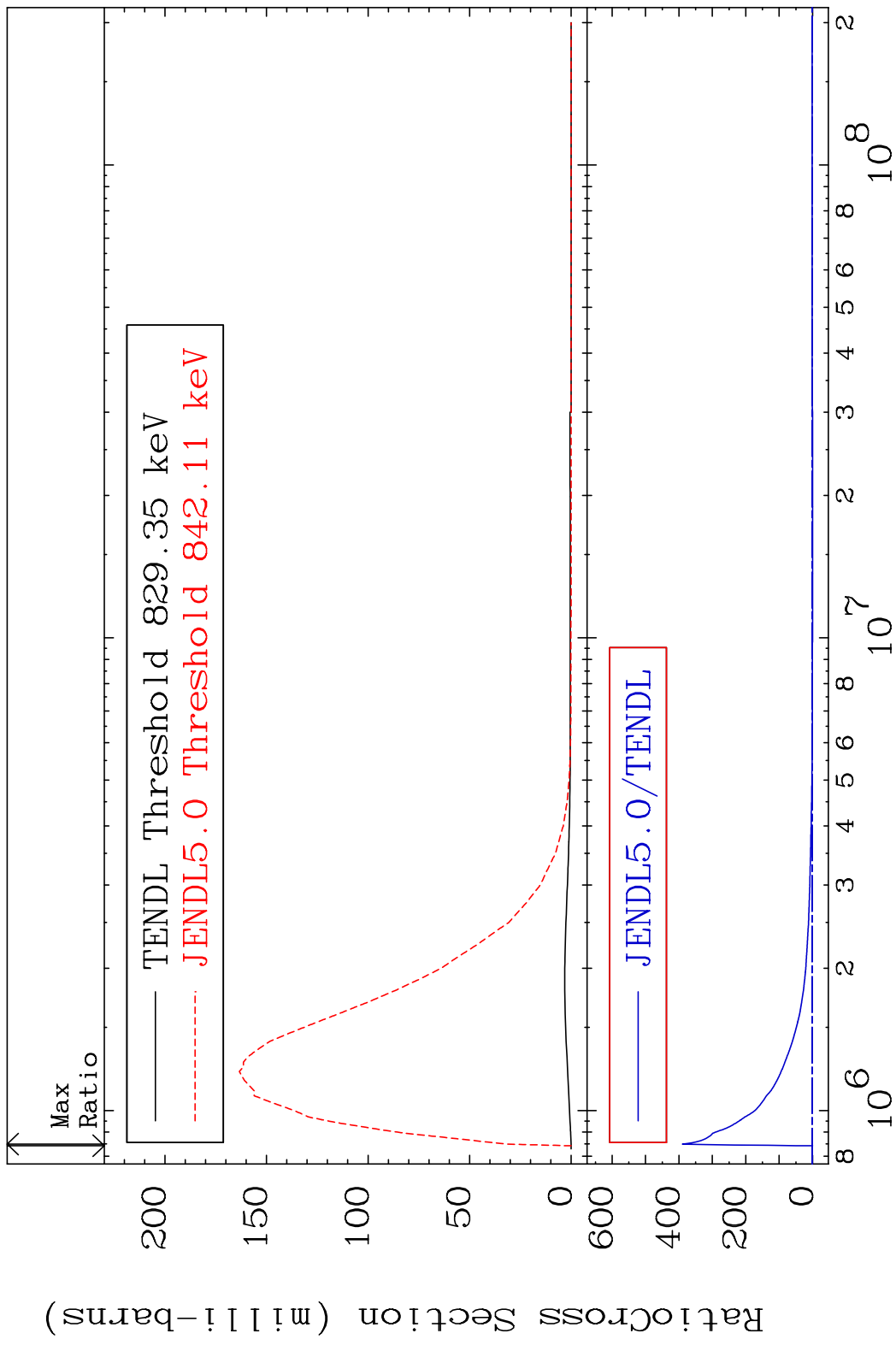


25 Incident Energy (eV) 57-La-138

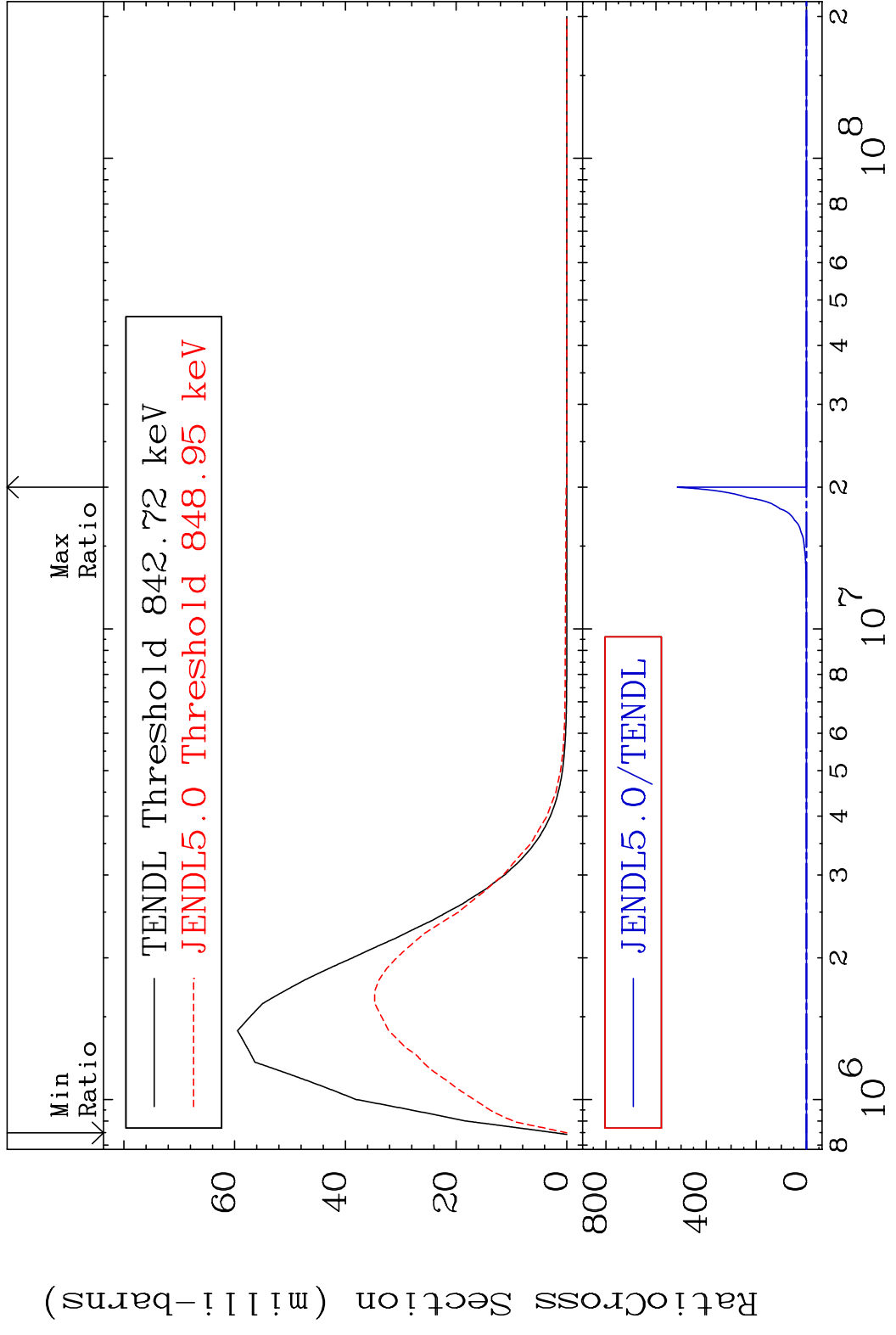
MAT 5725 MT= 64 (n,n') Level 57-La-138
 Cross Section -100.0 To 1641. %



MAT 5725 MT= 65 (n,n') Level 57-La-138
 Cross Section -100.0 To 9999. %

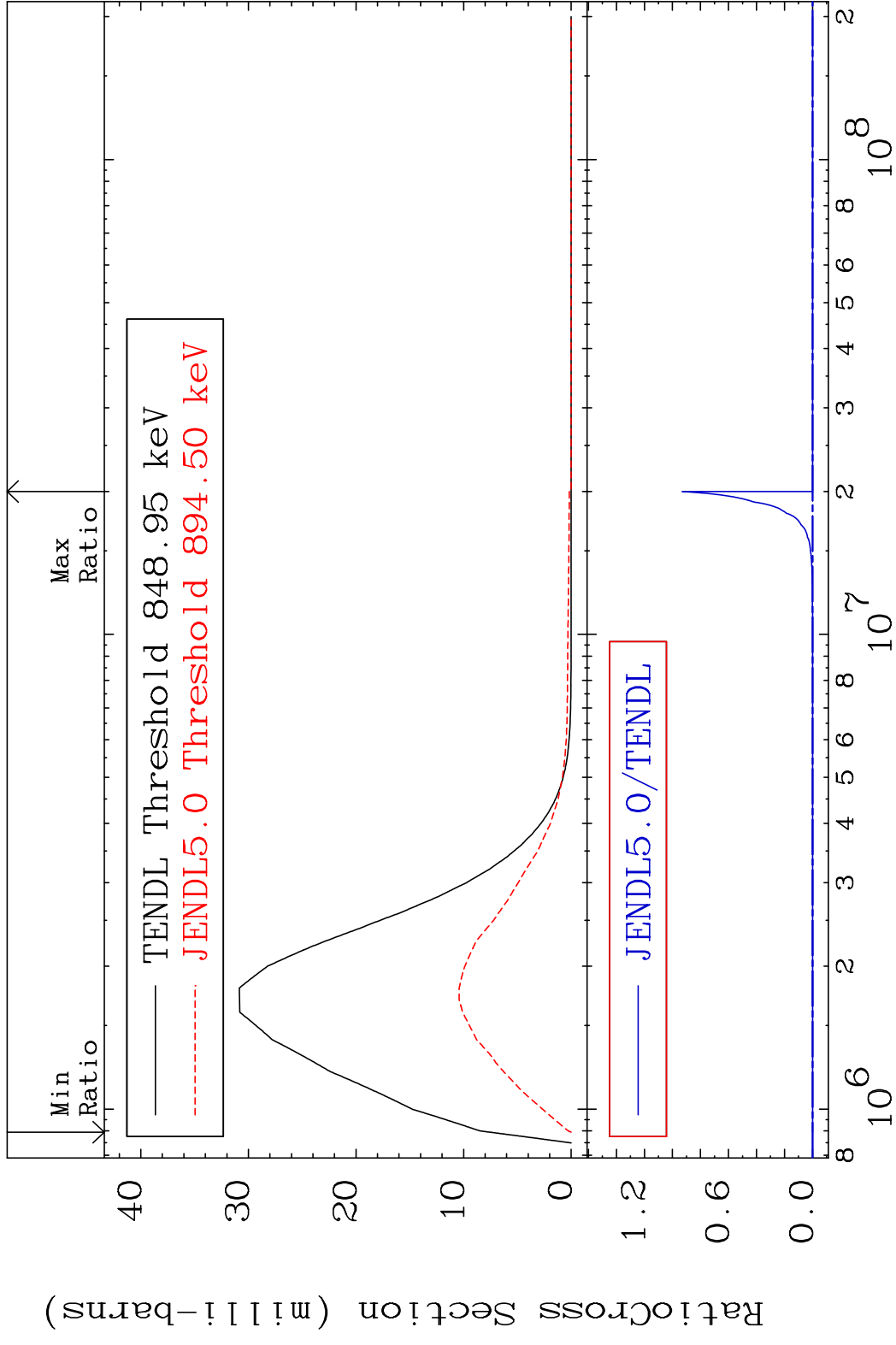


MAT 5725 MT= 66 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



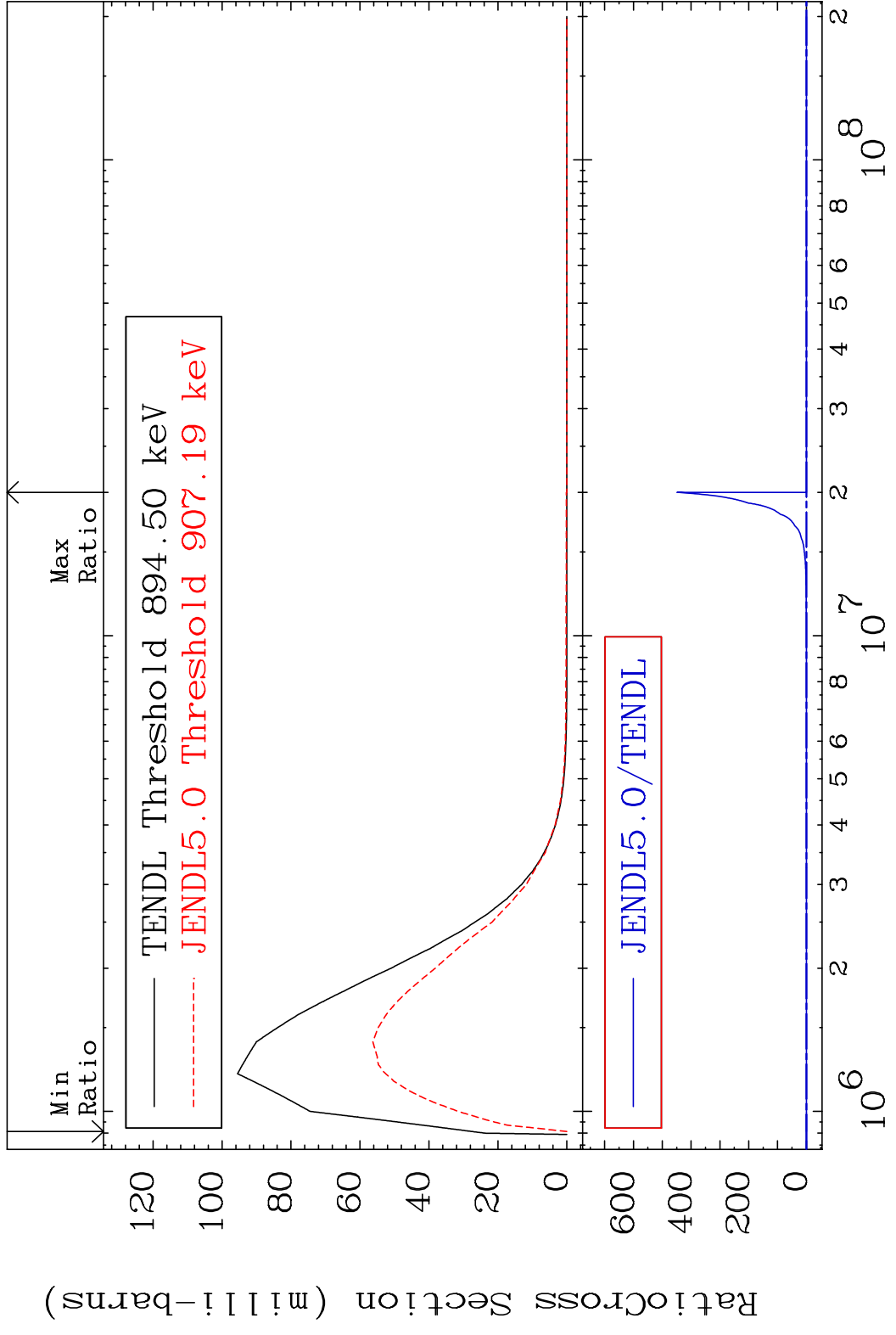
28 Incident Energy (eV) 57-La-138

MAT 5725 MT= 67 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



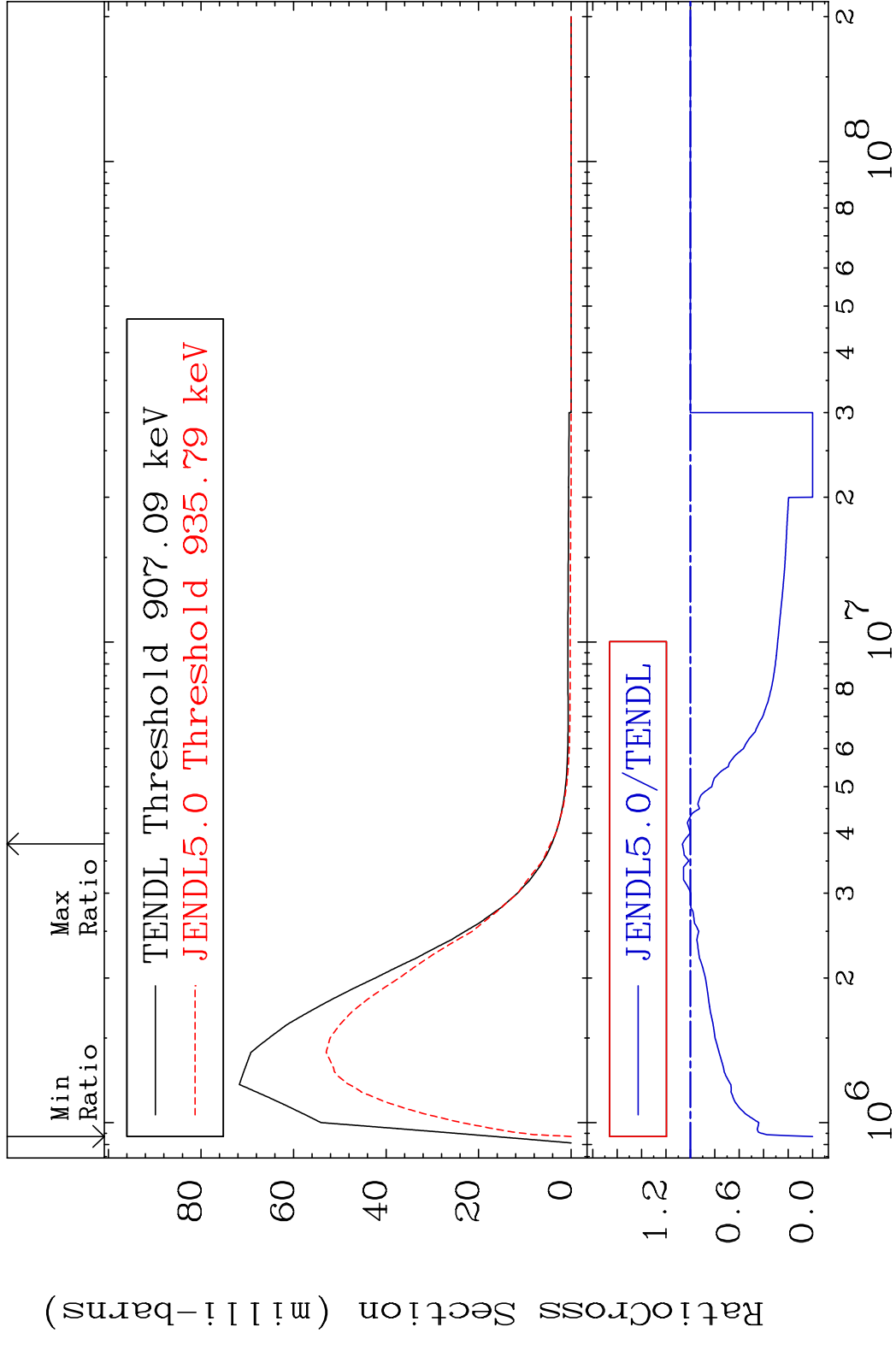
29 Incident Energy (eV) 57-La-138

MAT 5725 MT= 68 (n, n') Level 57-La-138
 Cross Section -100.0 To 9999. %



30 Incident Energy (eV) 57-La-138

MAT 5725 MT= 69 (n, n') Level 57-La-138
 Cross Section -100.0 To 6.576 %

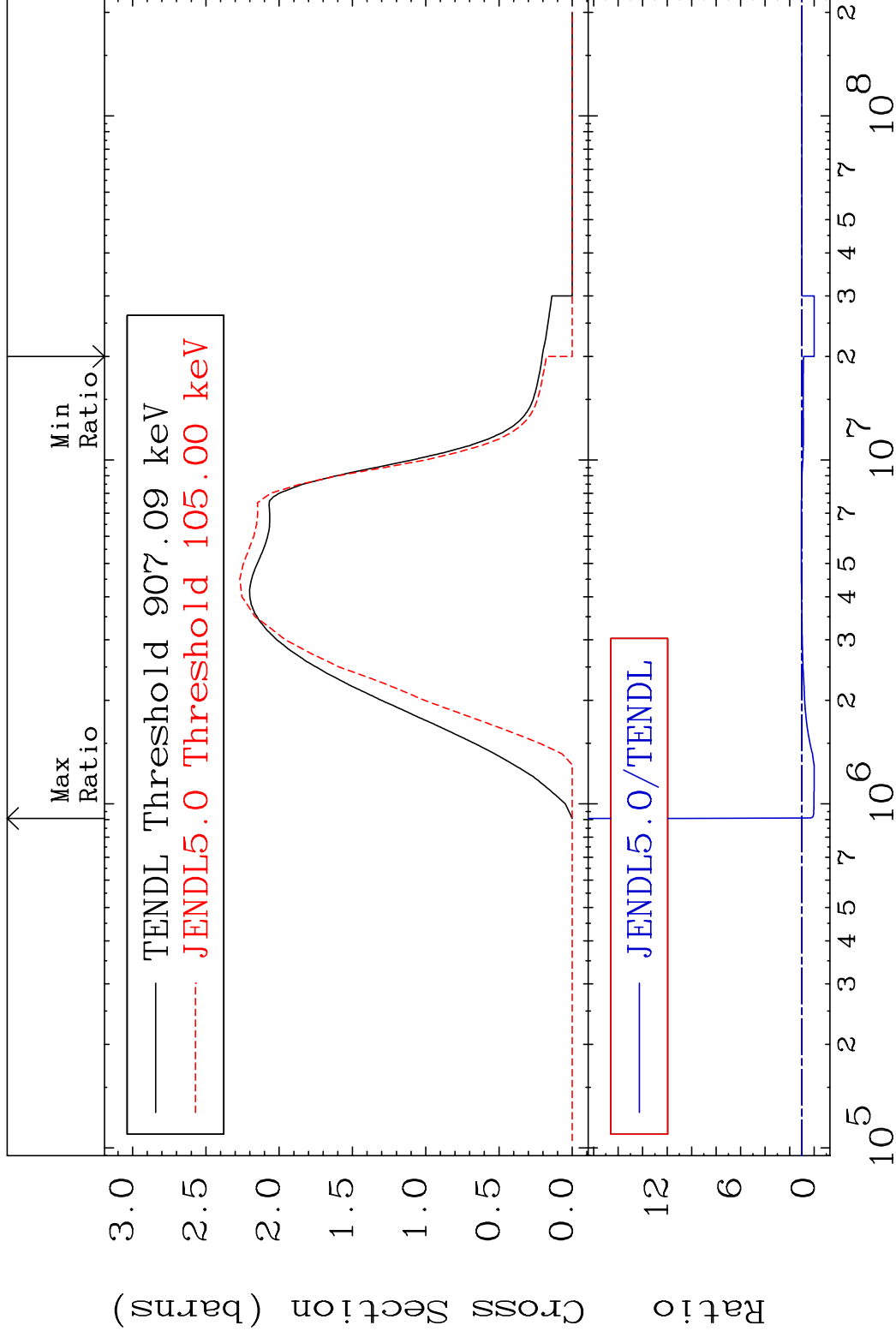


MAT 5725

(n, n') Continuum

57-La-138

Cross Section -100.0 To 965.1 %



32

Incident Energy (eV)

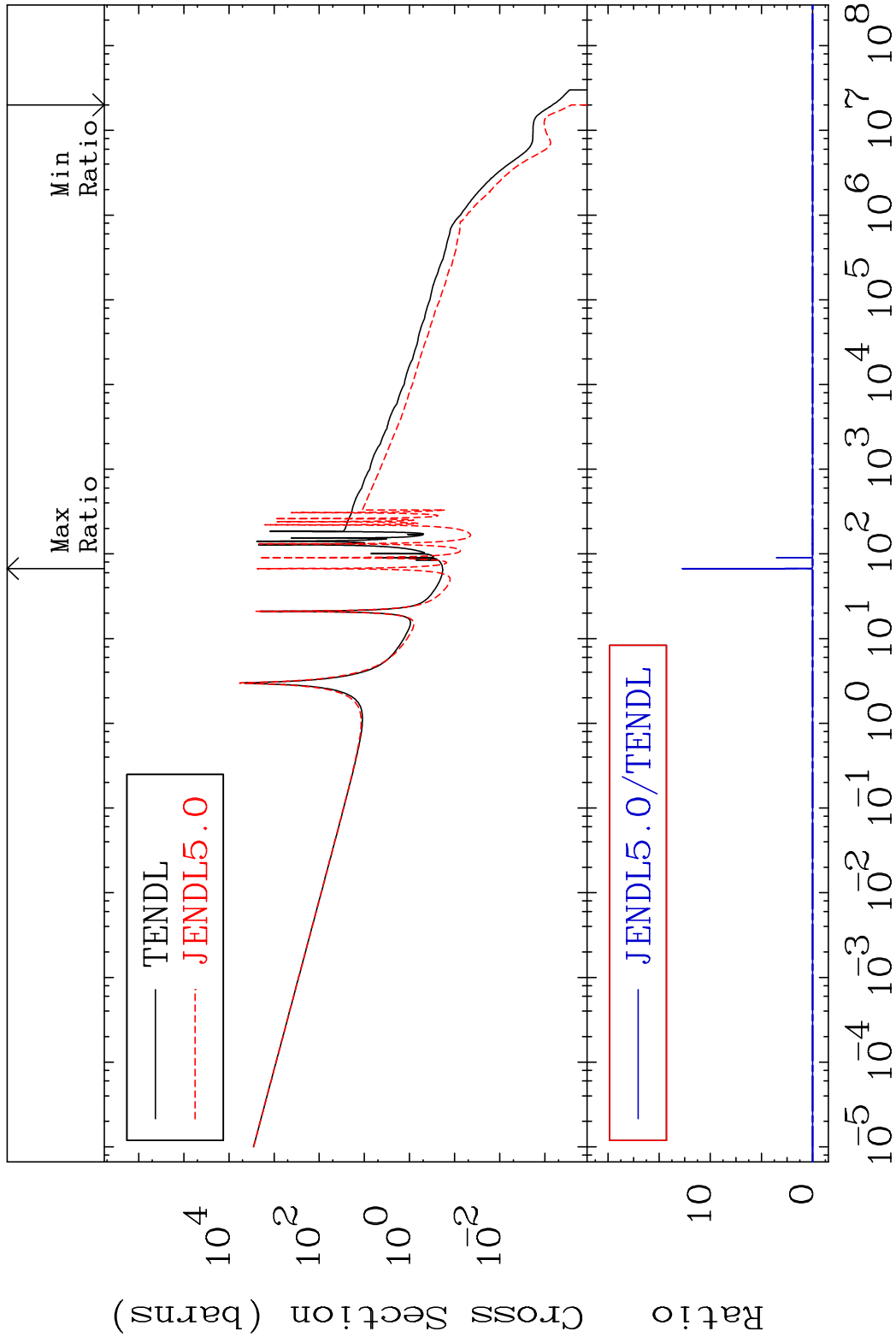
57-La-138

MAT 5725

(n, γ)

57-La-138

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

57-La-138

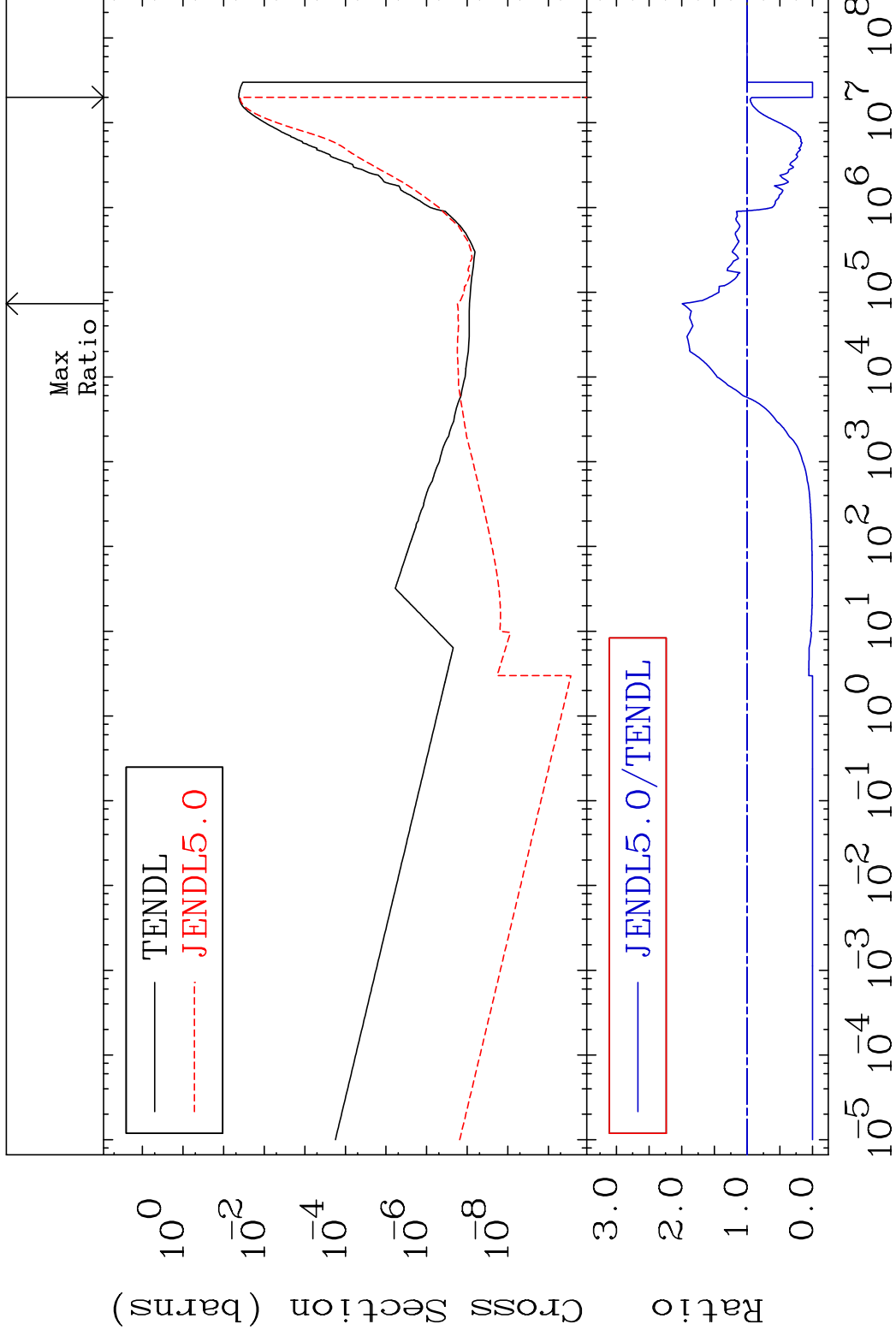
MAT 5725

(n, p)

57-La-138

Cross Section

-100.0 To 99.39 %



34

Incident Energy (eV)

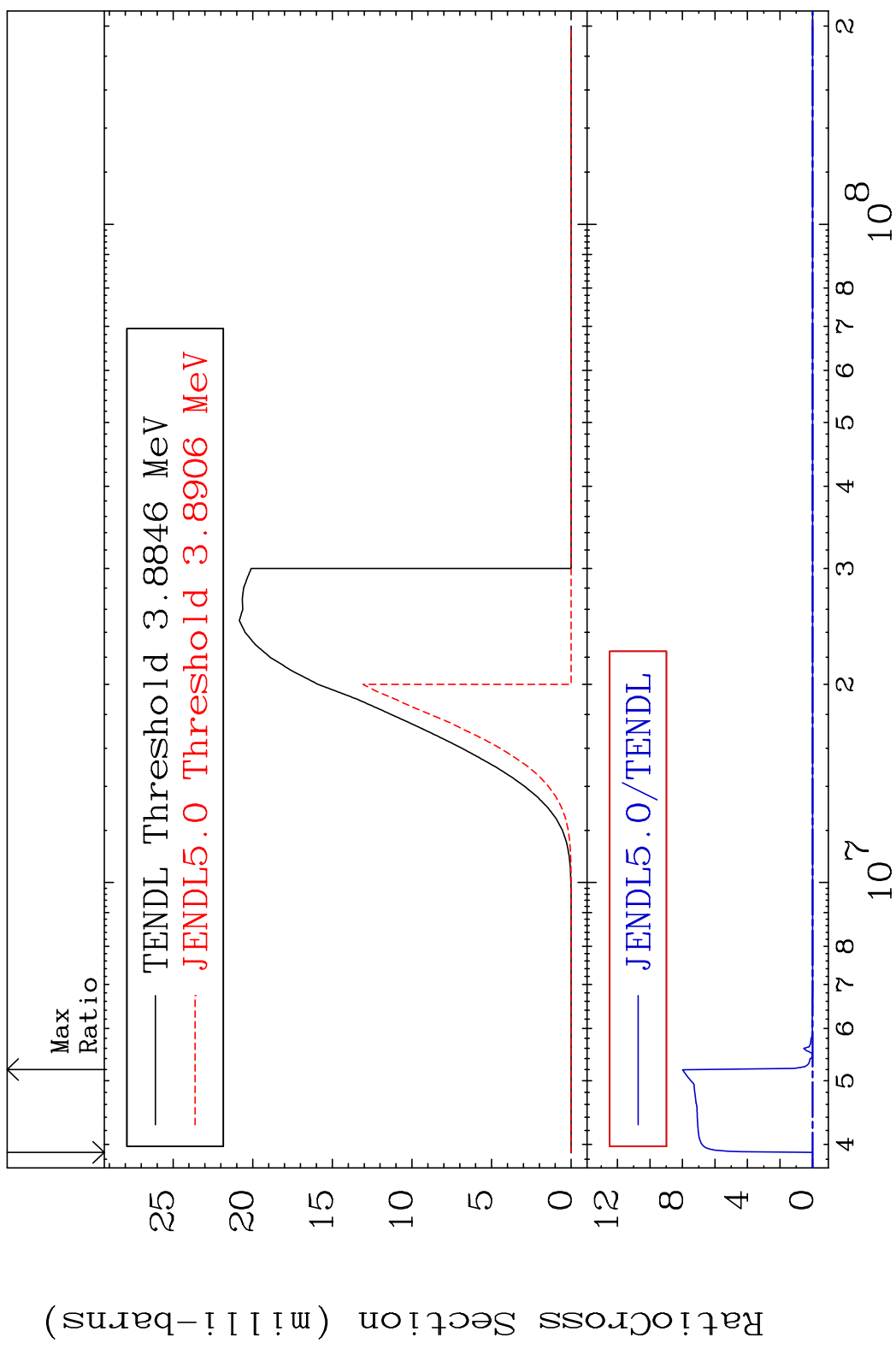
57-La-138

MAT 5725

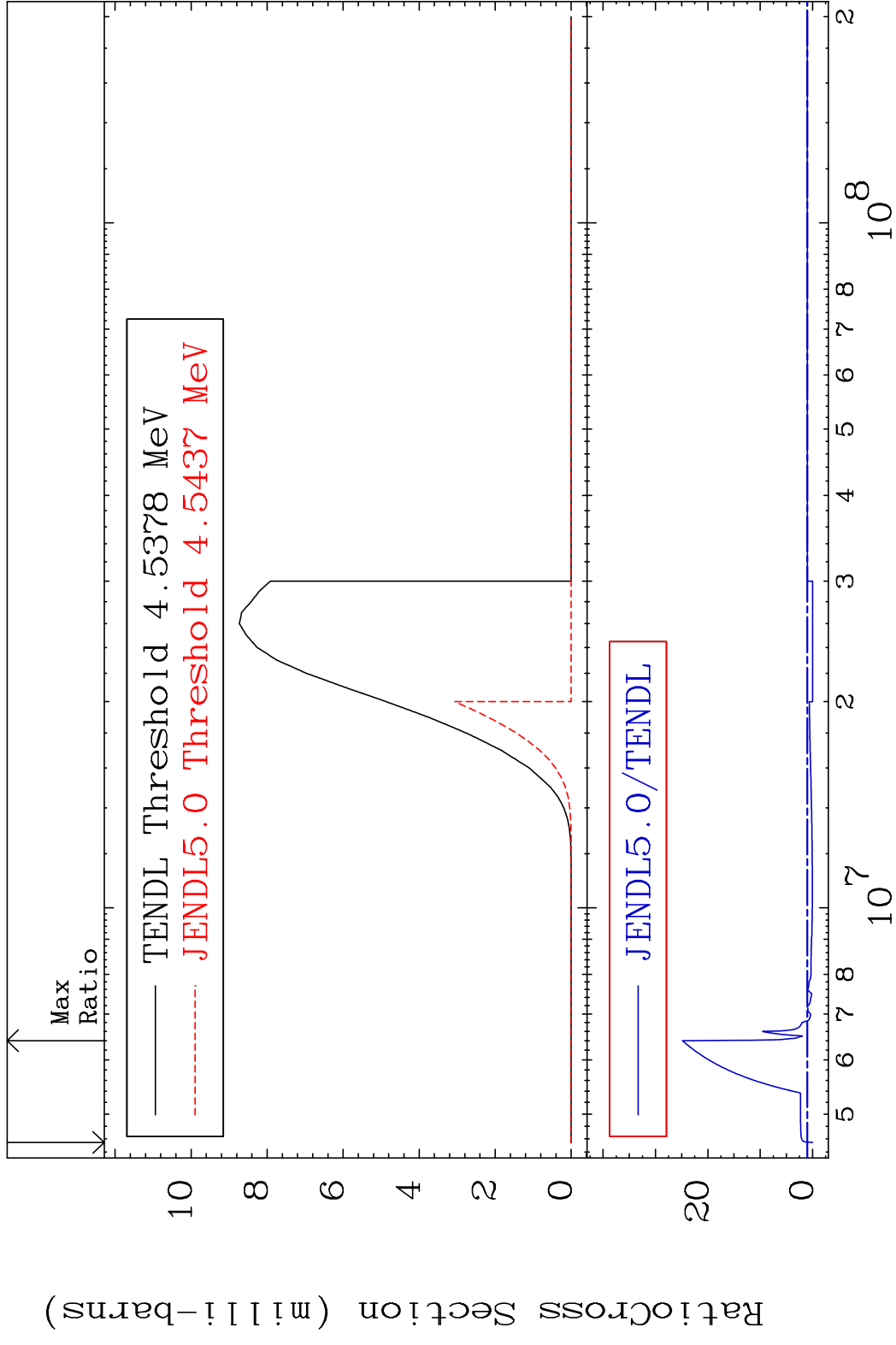
(n,d)

57-La-138

Cross Section -100.0 To 9999. %



MAT 5725 (n, t) 57-La-138
 Cross Section -100.0 To 2387. %

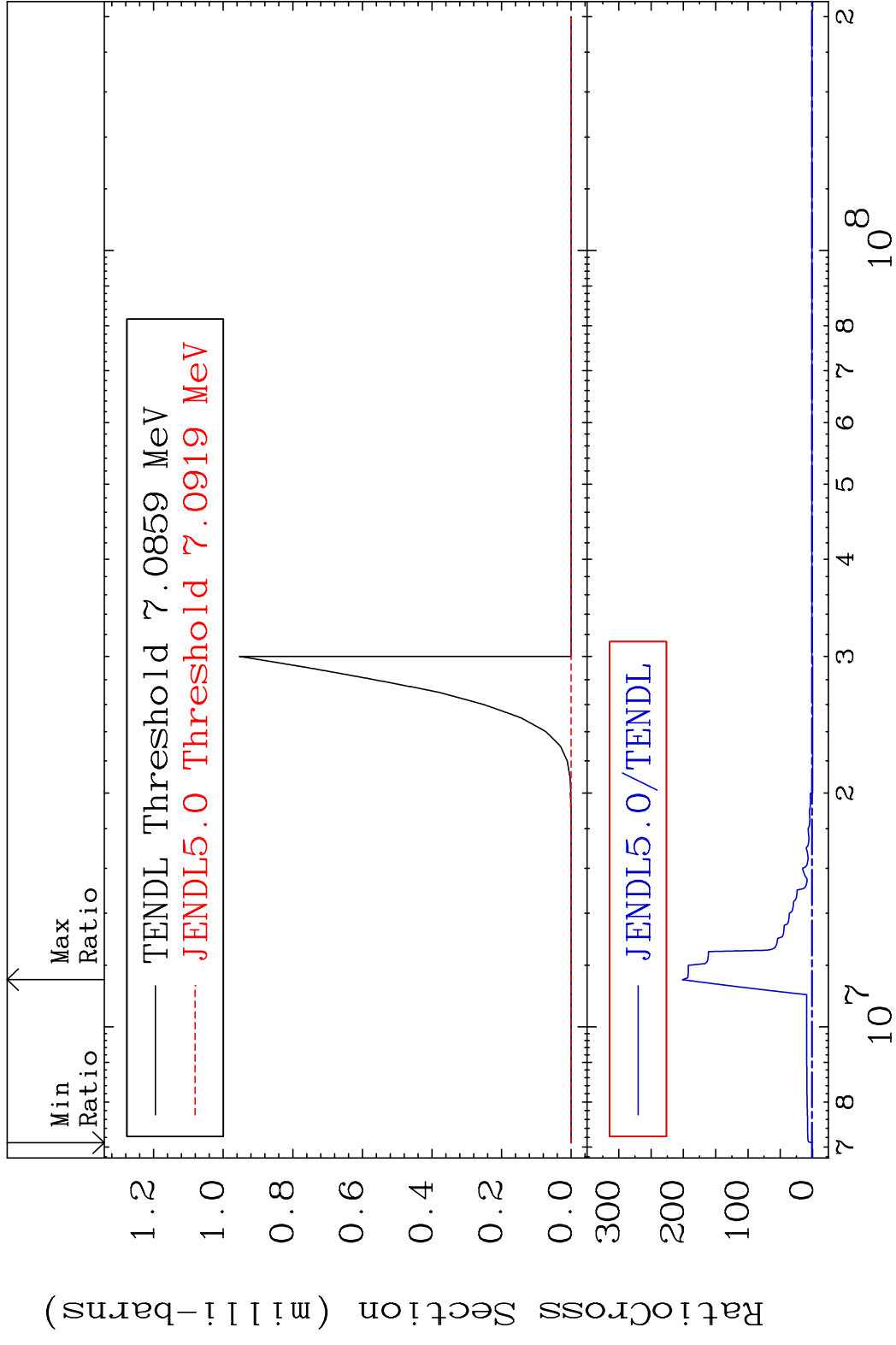


MAT 5725

(n, He-3)

57-La-138

Cross Section -100.0 To 9999. %

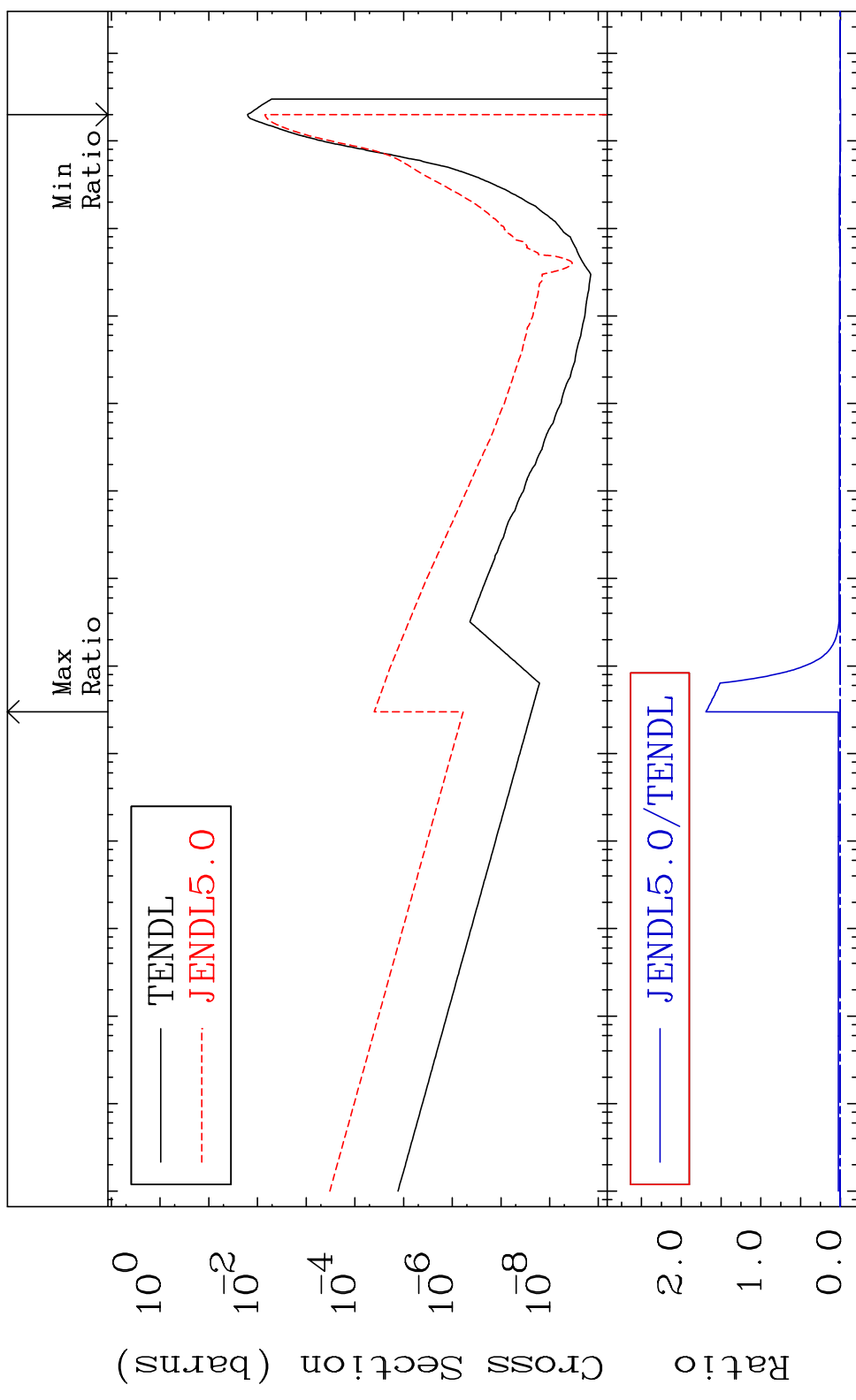


MAT 5725

(n, α)

57-La-138

Cross Section -100.0 To 9999. %

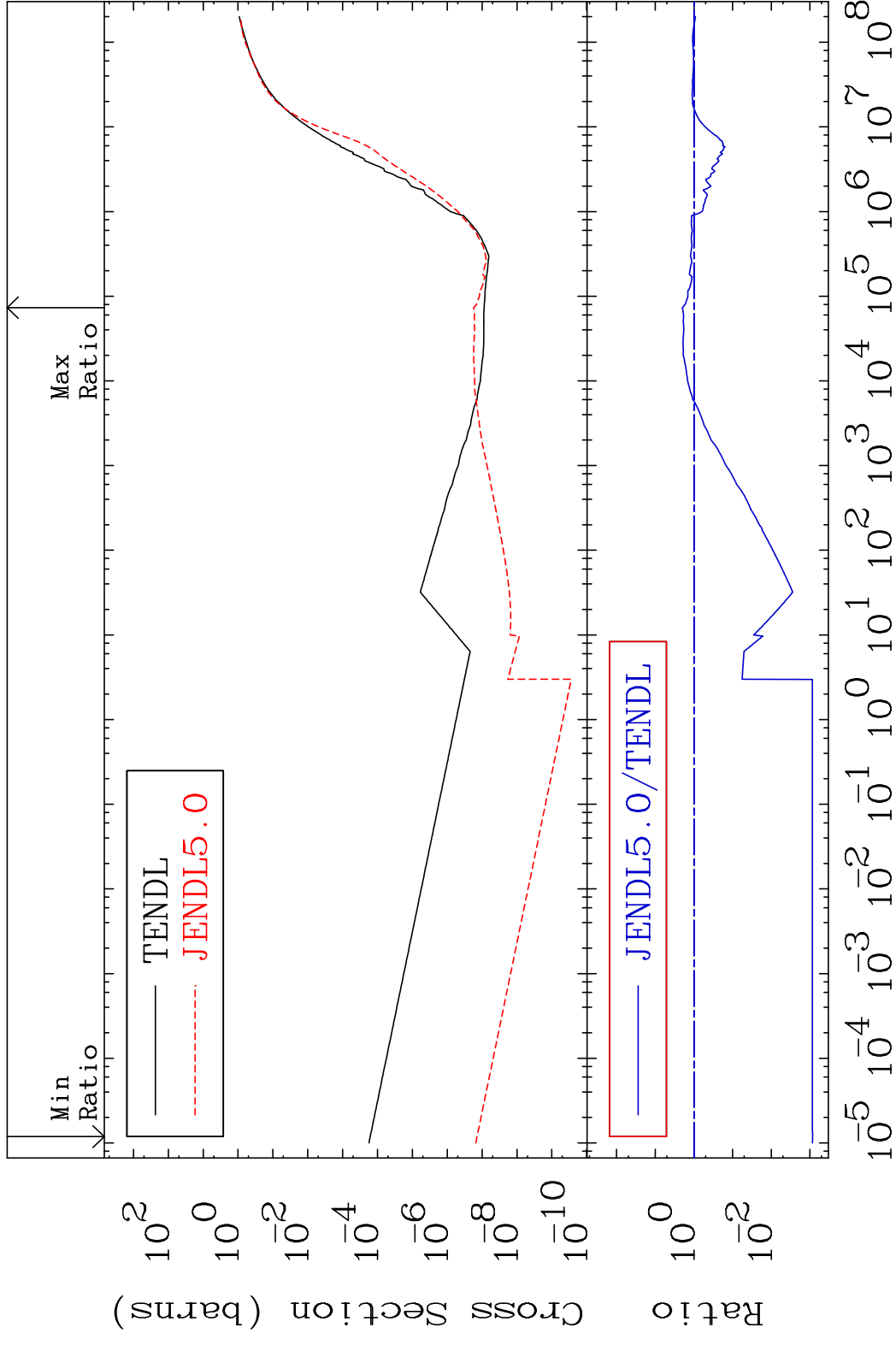


MAT 5725

Hydrogen Production

57-La-138

Cross Section -99.91 To 99.39 %

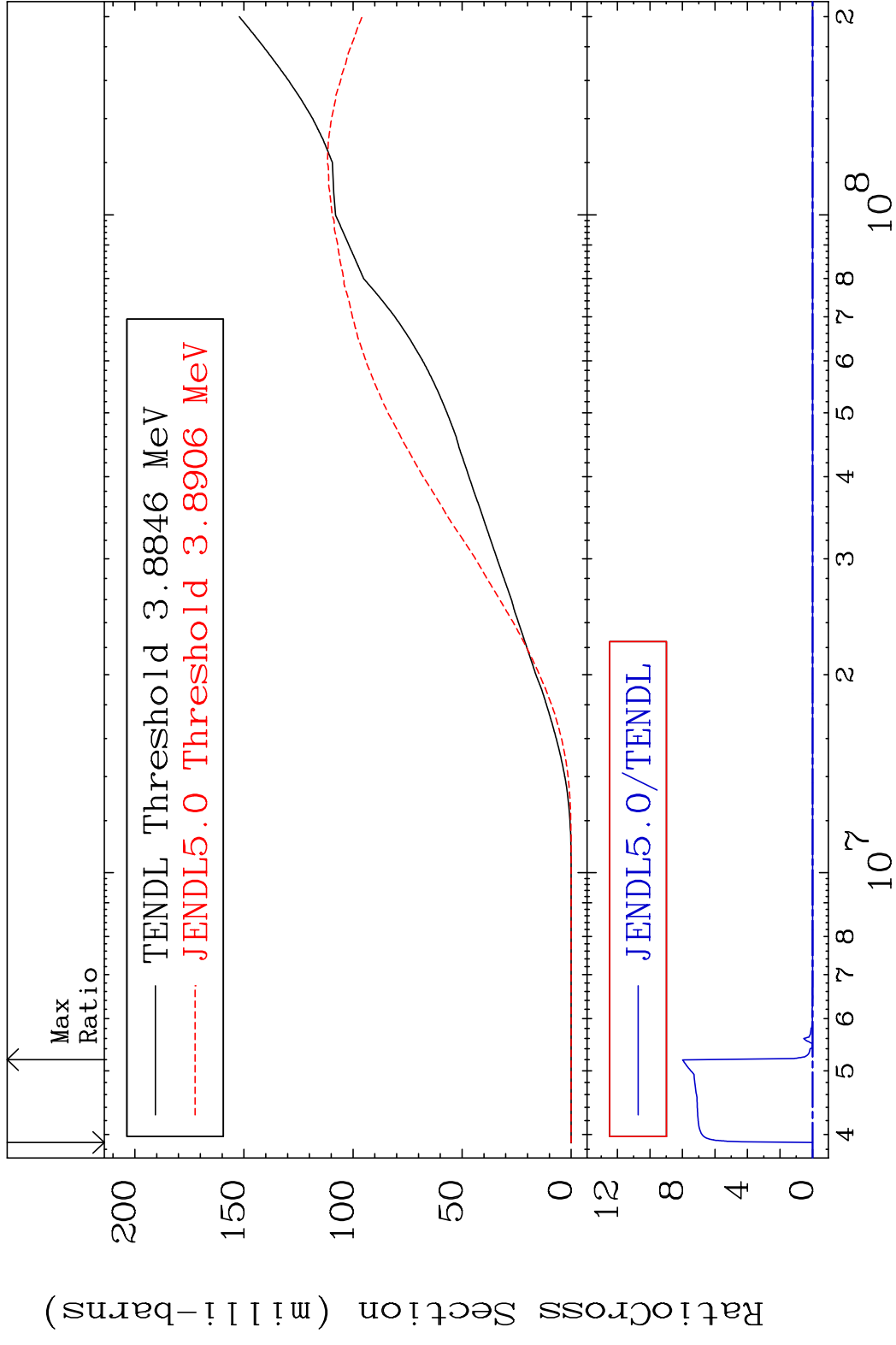


39

Incident Energy (eV)

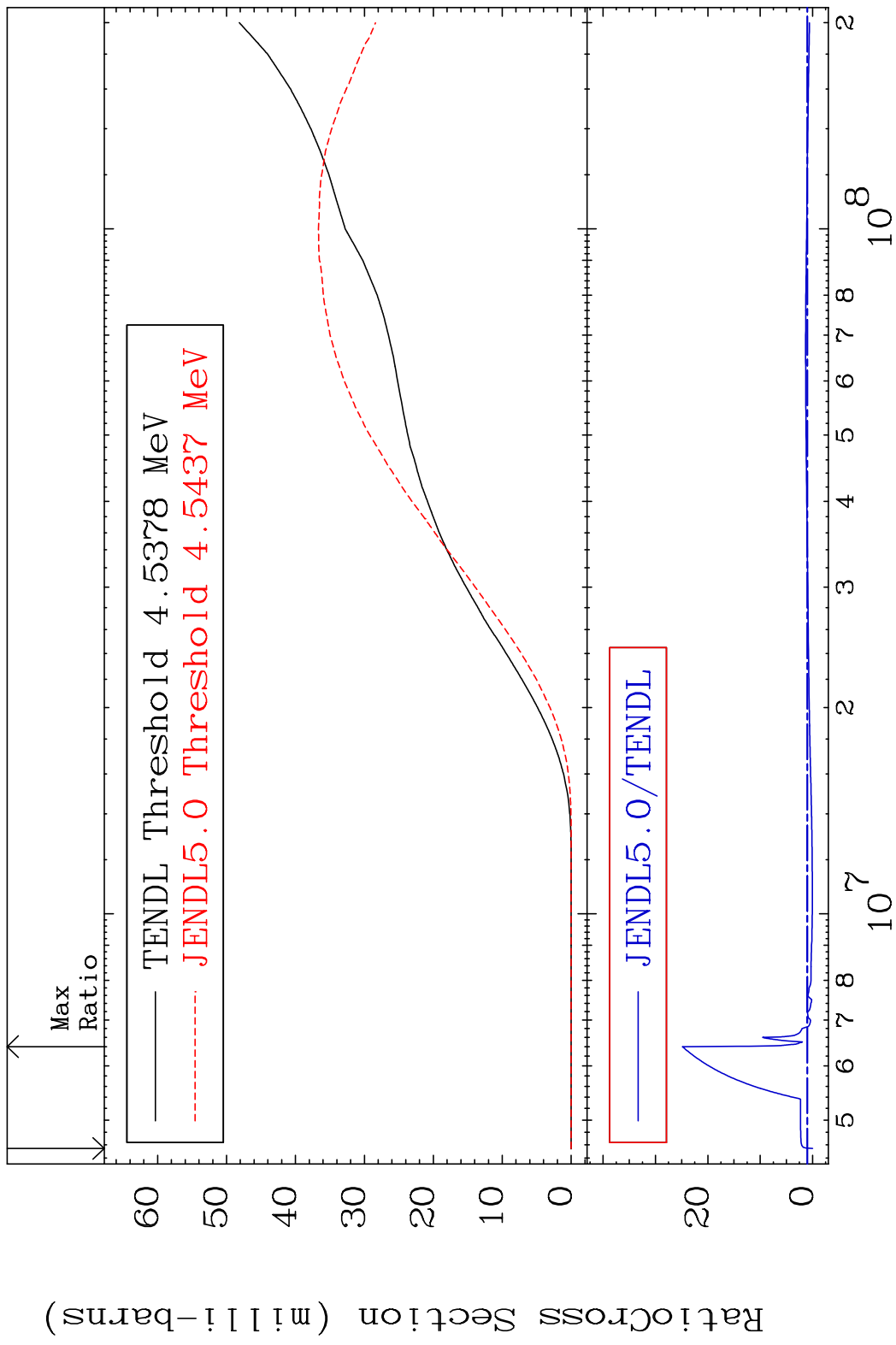
57-La-138

MAT 5725 Deuterium Production 57-La-138
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 57-La-138

MAT 5725 Tritium Production 57-La-138
 Cross Section -100.0 To 2387. %

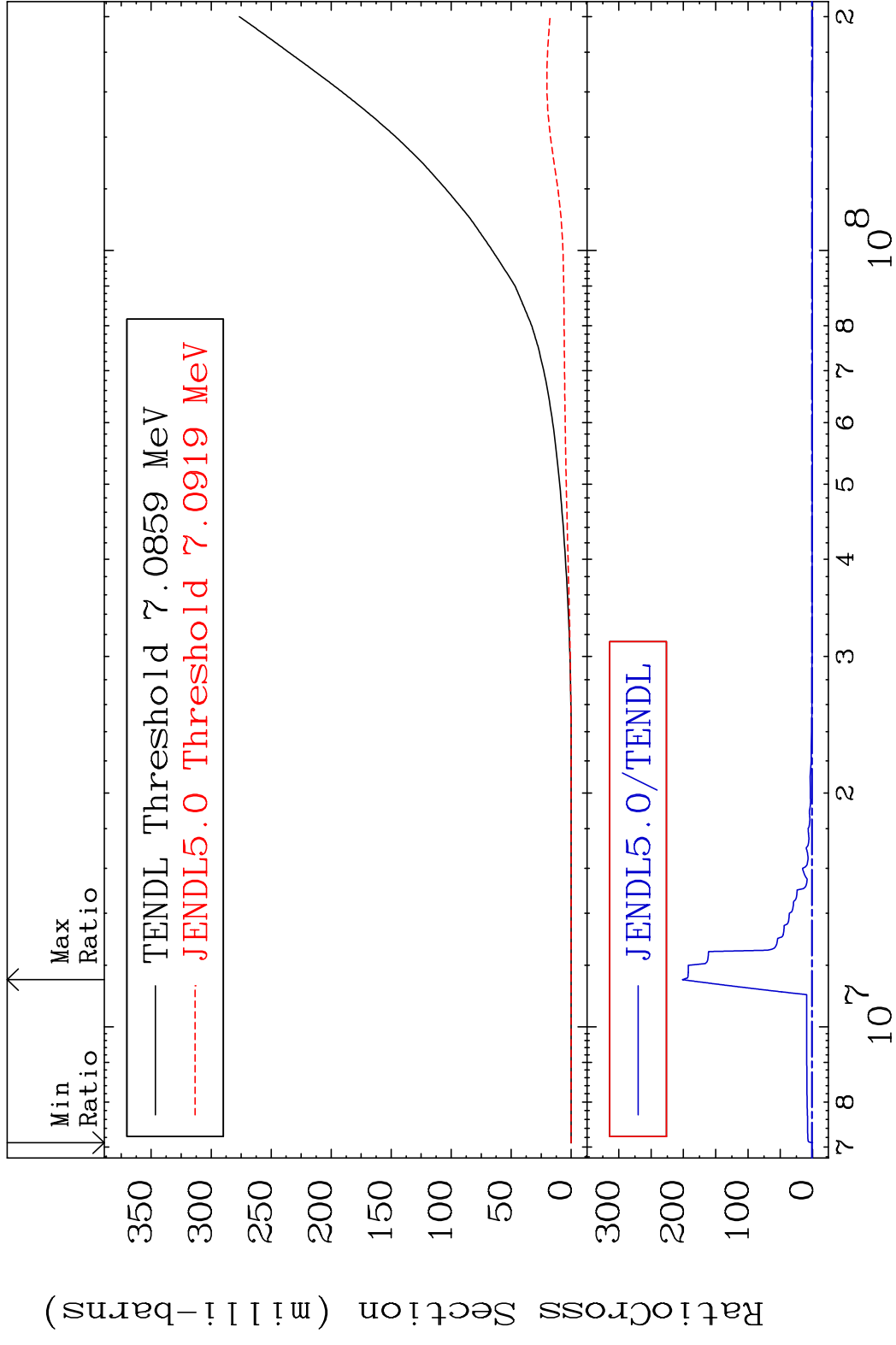


MAT 5725

He-3 Production

57-La-138

Cross Section -100.0 To 9999. %

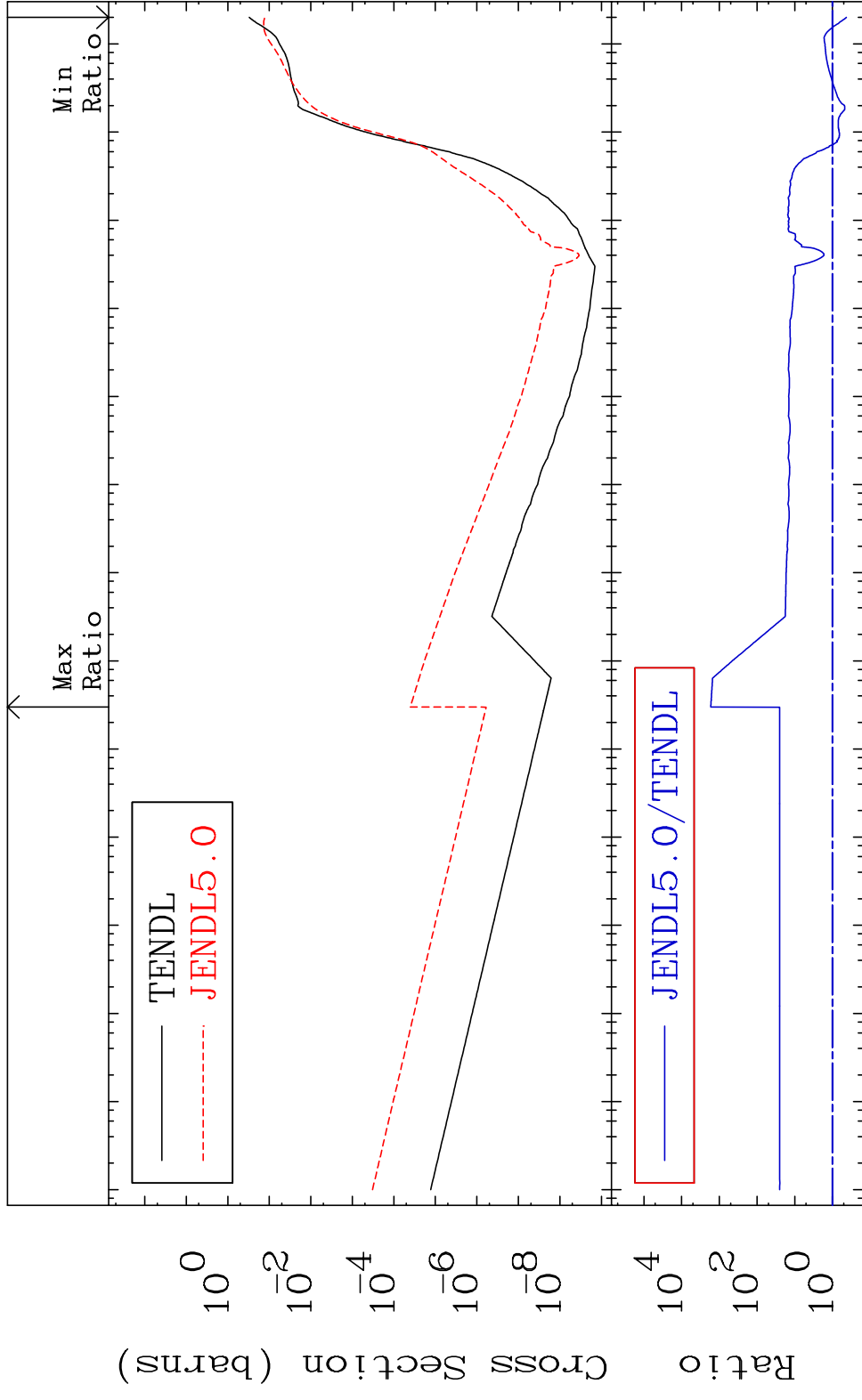


MAT 5725

He-4 Production

57-La-138

Cross Section -57.07 To 9999. %

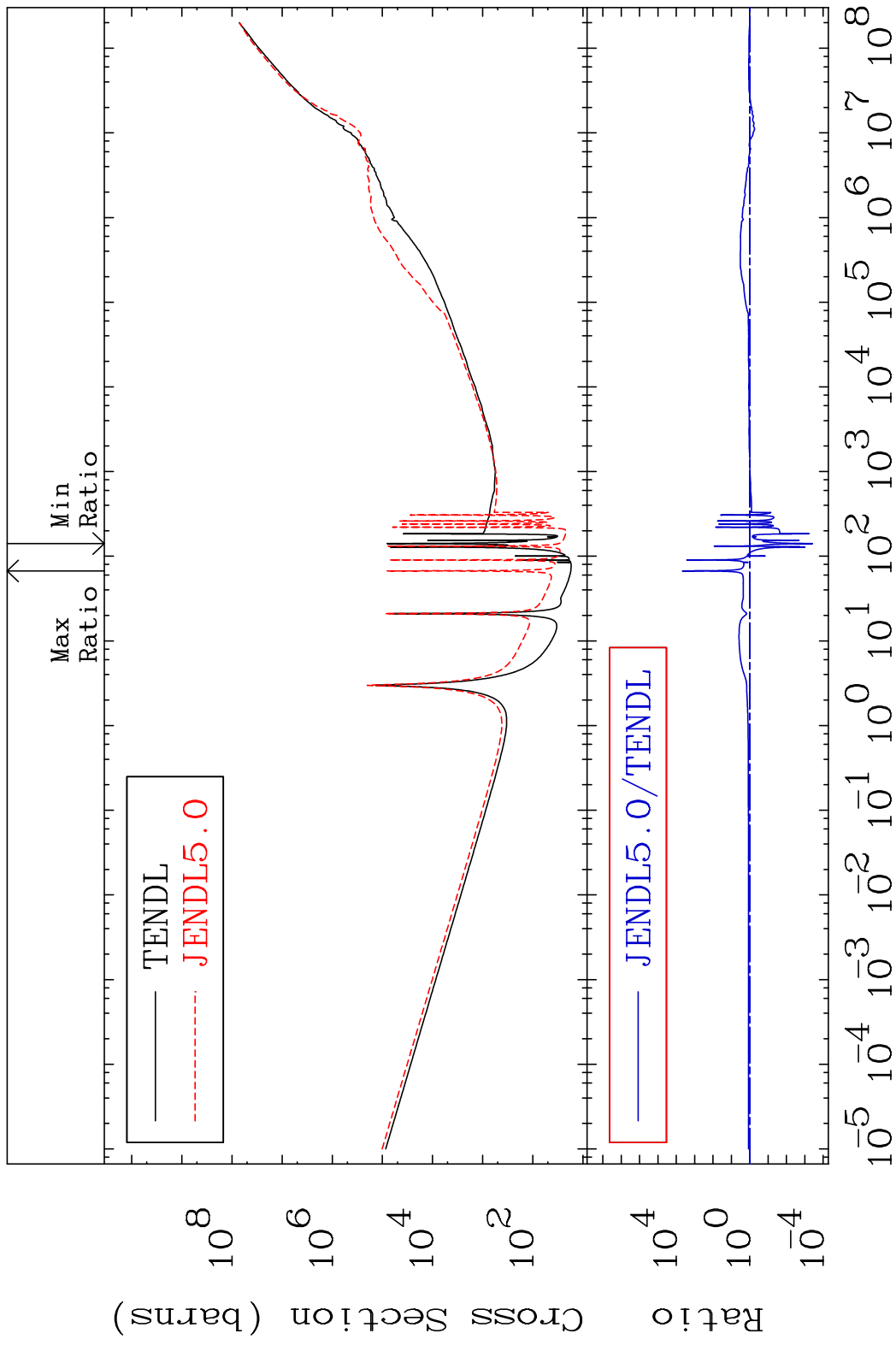


43

Incident Energy (eV)

57-La-138

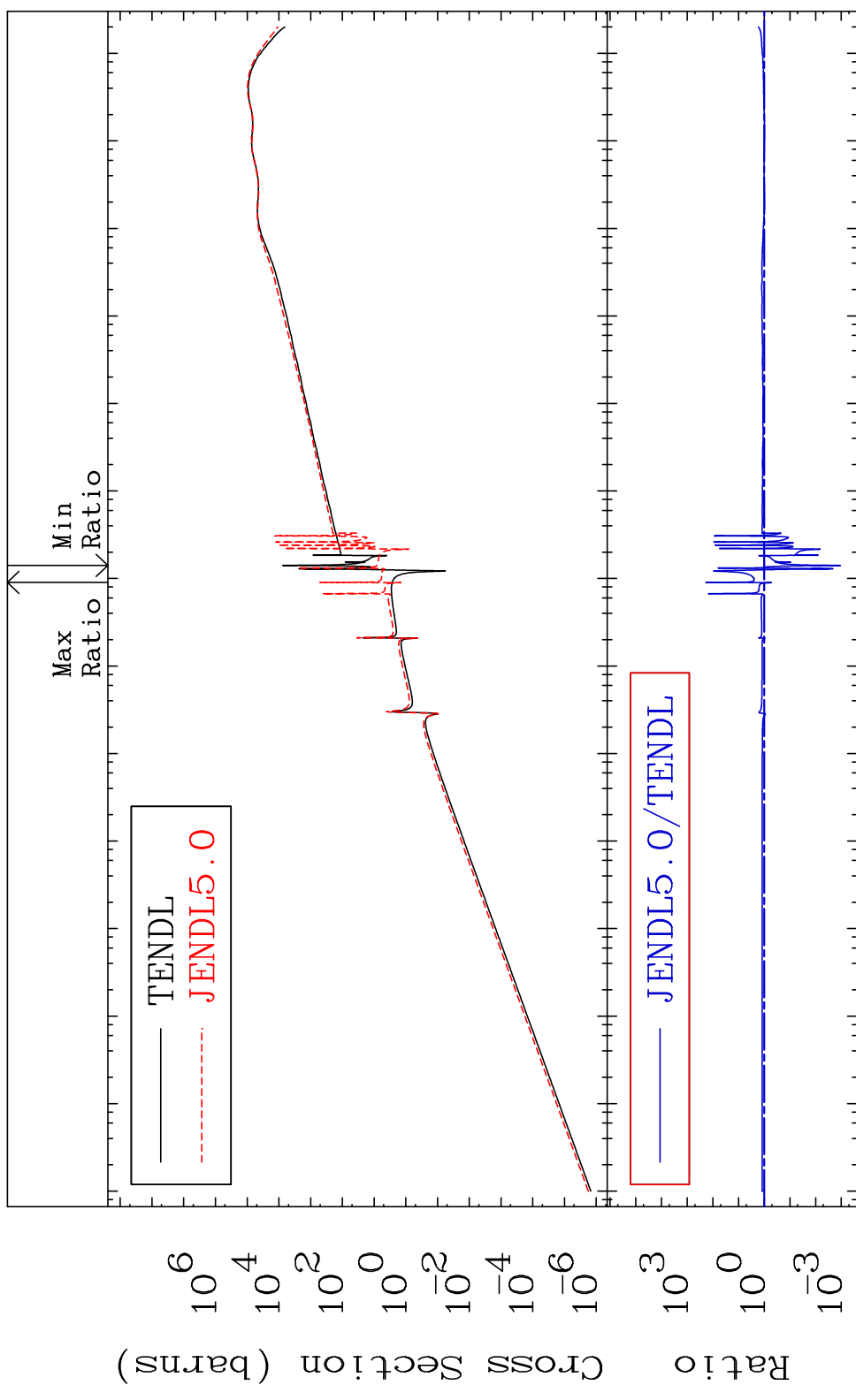
MAT 5725 Kerma total (eV-barns) 57-La-138
 Cross Section -99.96 To 9999. %



MAT 5725

Kerma elastic
Cross Section -99.89 To 9999. %

57-La-138

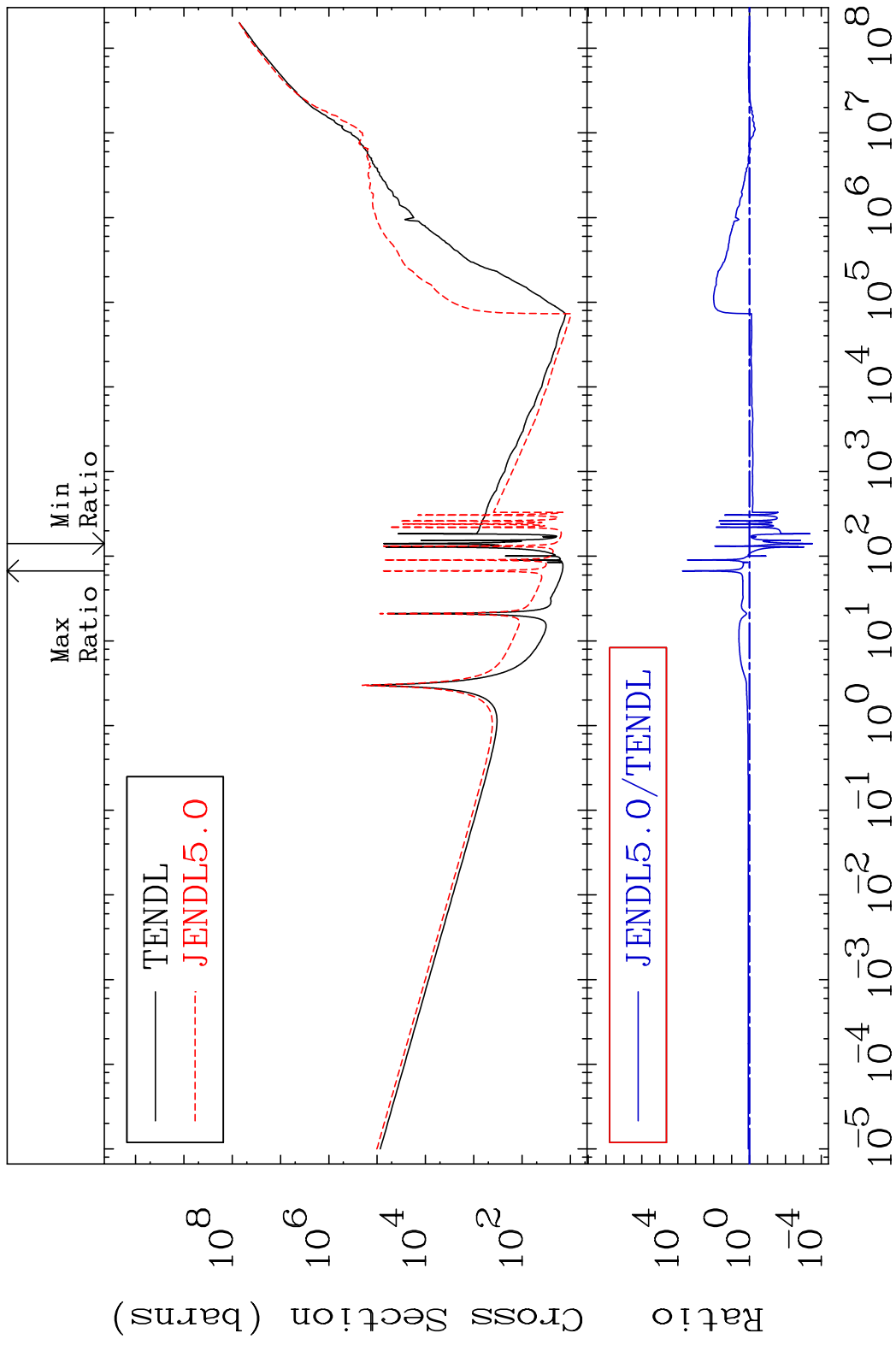


45

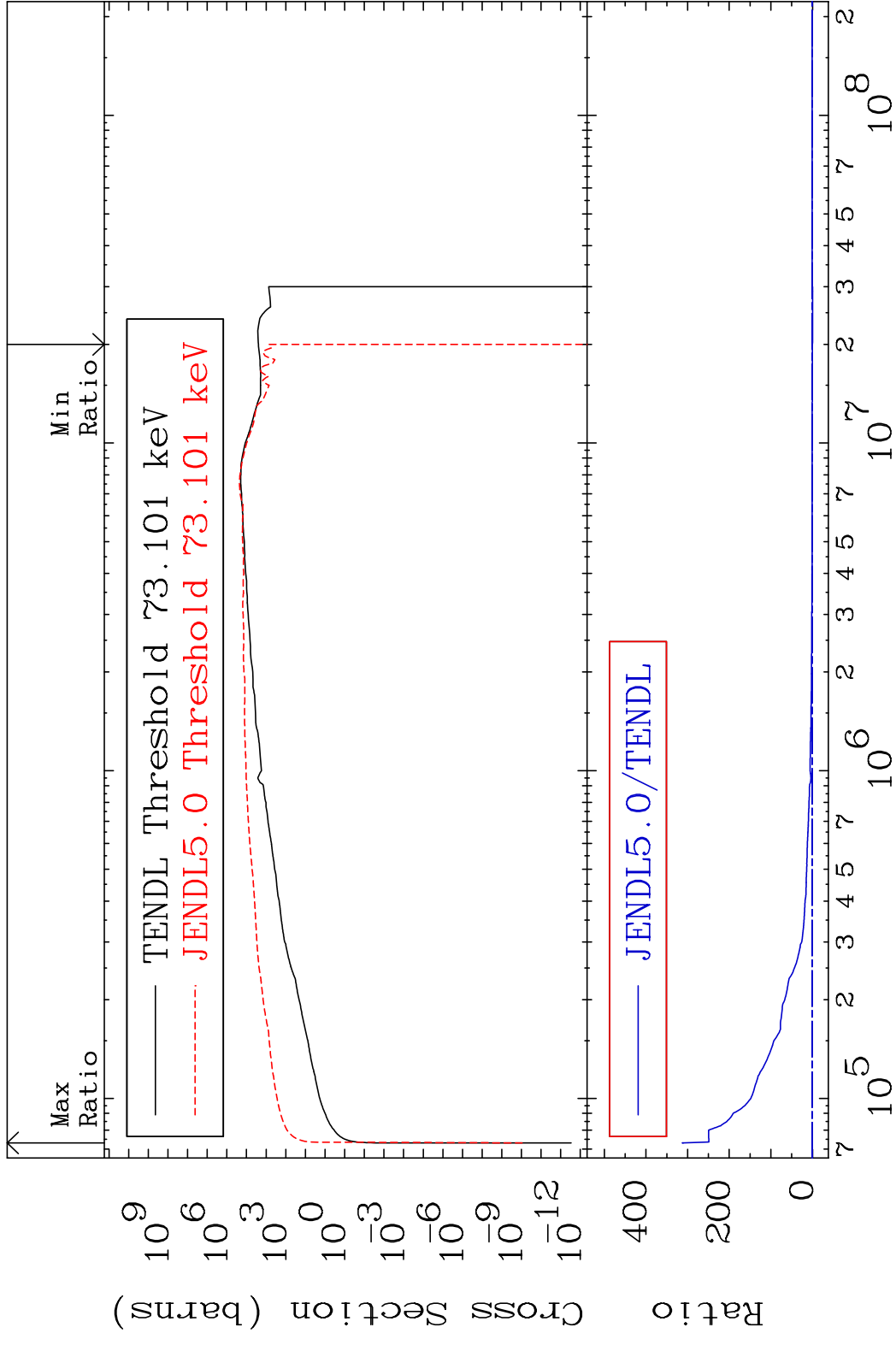
Incident Energy (eV)

57-La-138

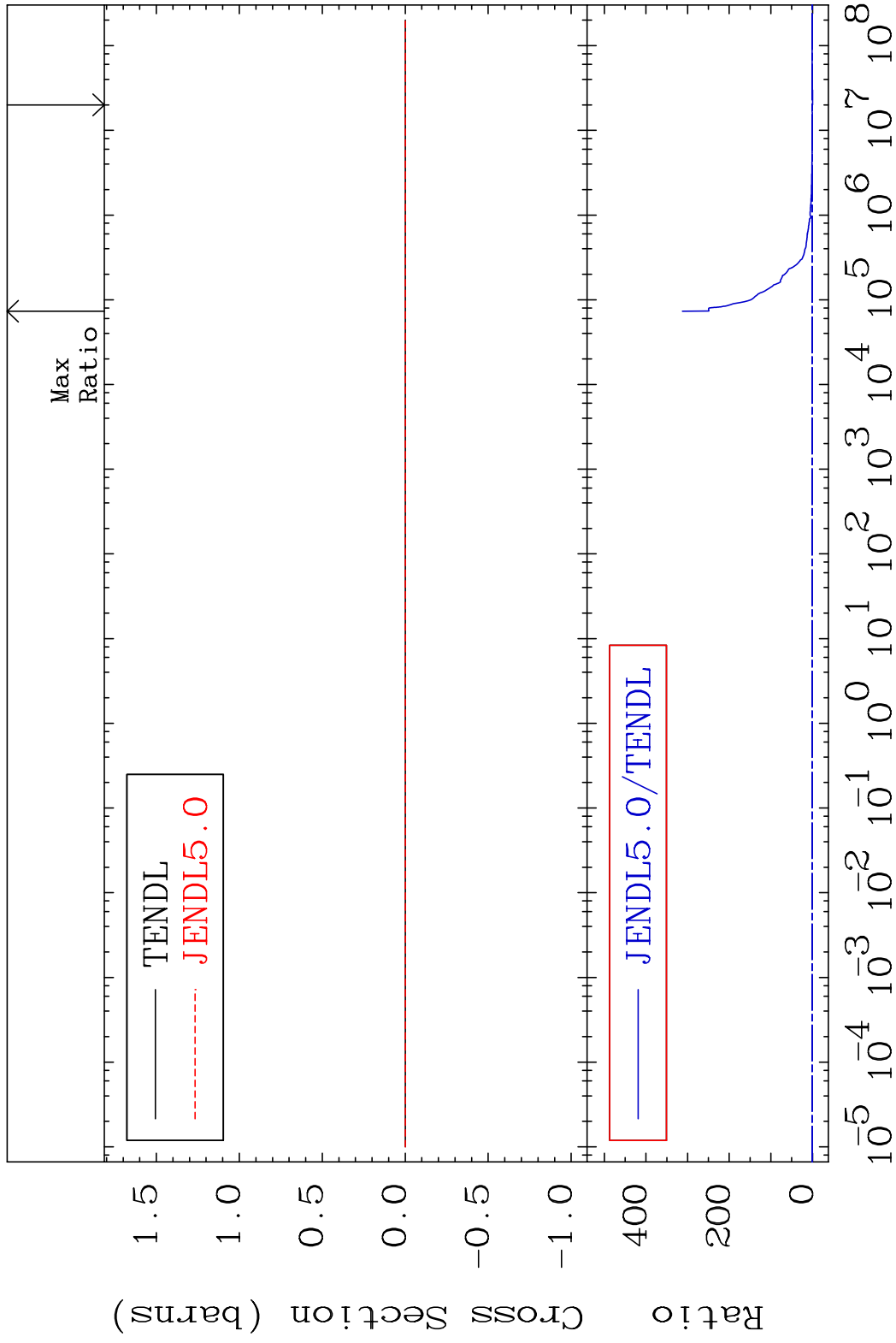
MAT 5725 Kerma non-elastic (all but mt2) 57-La-138
 Cross Section -99.97 To 9999. %



MAT 5725 Kerma inelastic (mt51-91) 57-La-138
 Cross Section -100.0 To 9999. %



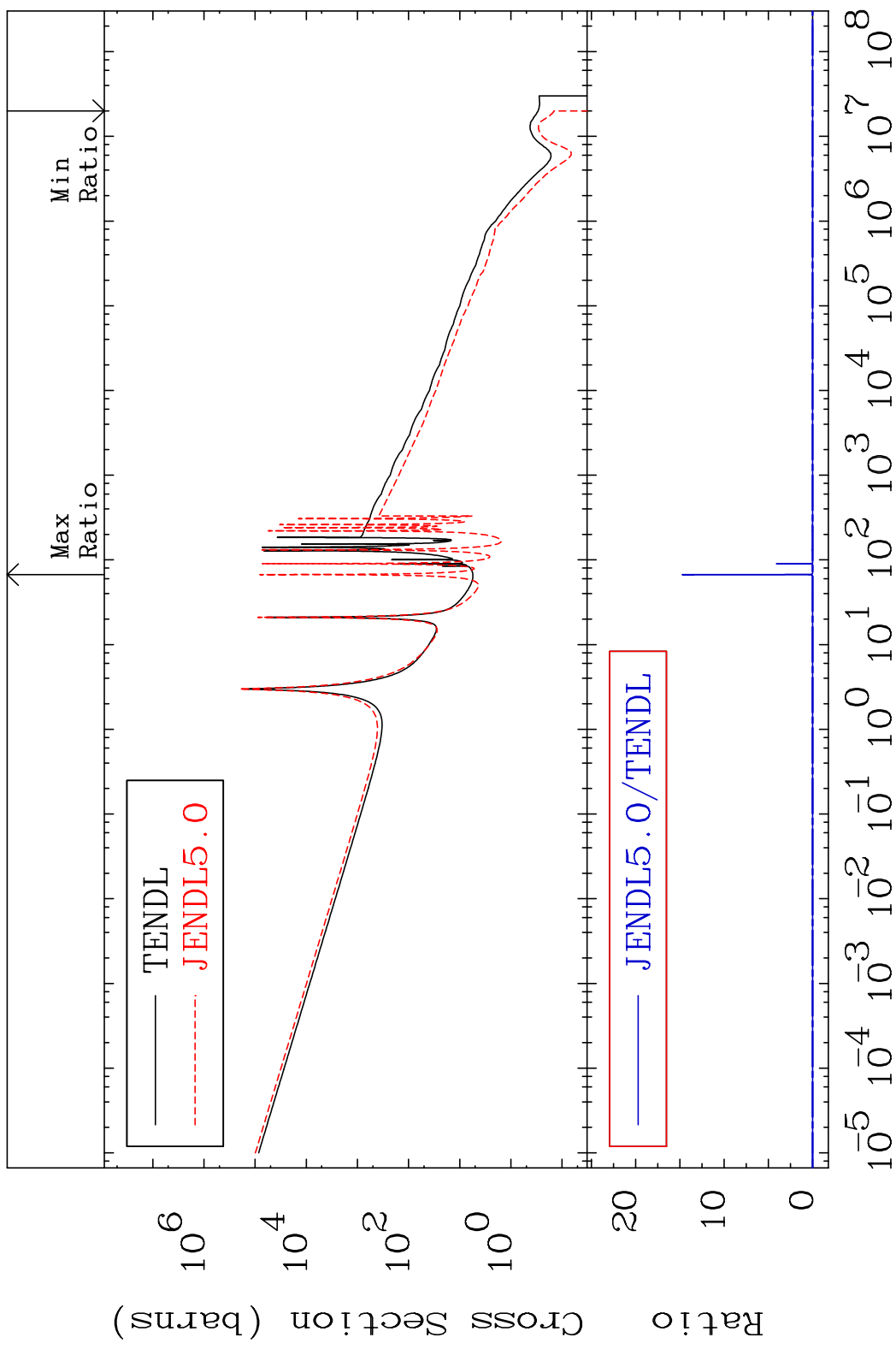
MAT 5725 Kerma fission (mt18 or mt19-20-21-38) 57-La-138
 Cross Section -100.0 To 9999. %



MAT 5725

Kerma capture (mt102) 57-La-138

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

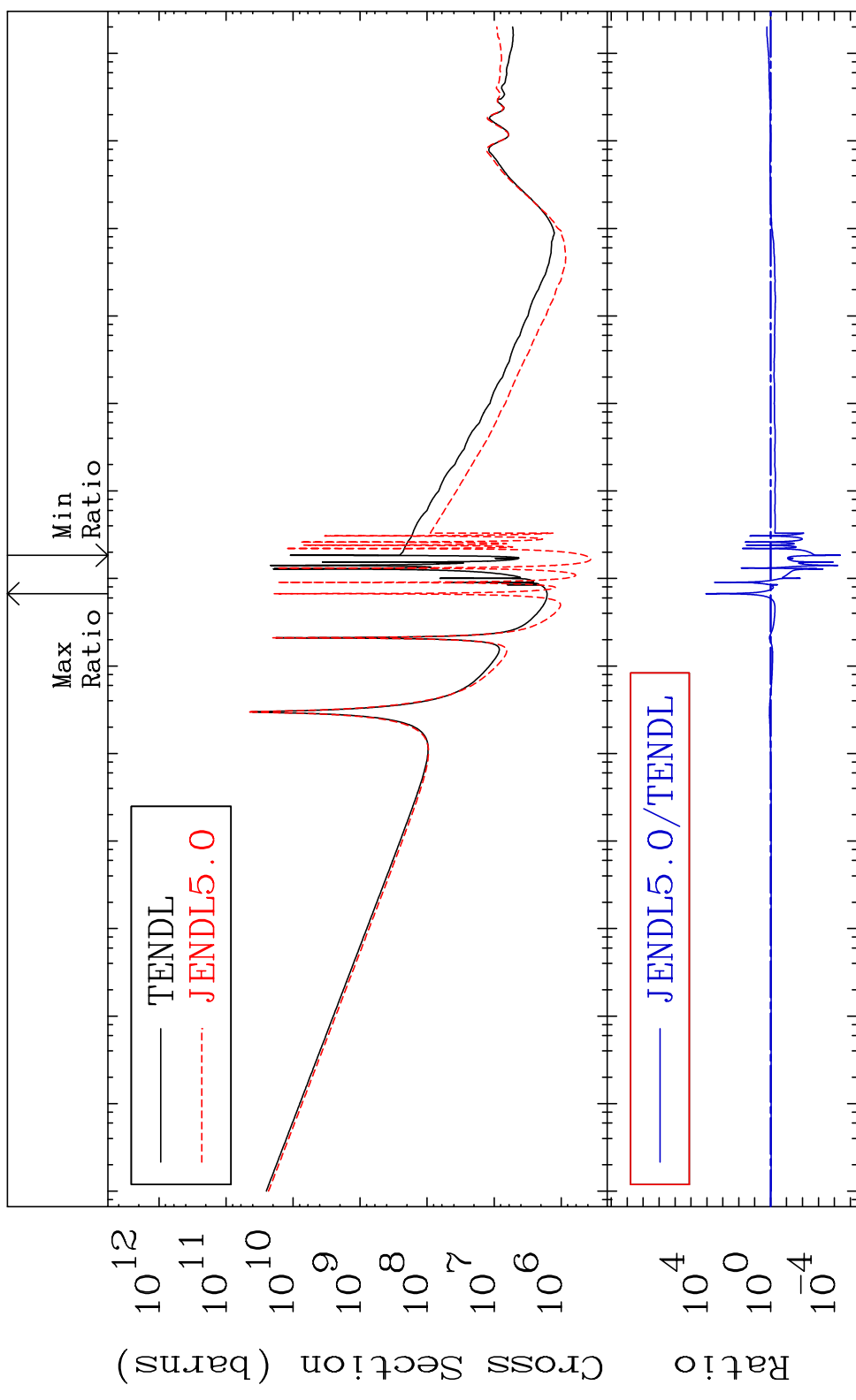
57-La-138

MAT 5725

Total photon (eV-barns)

57-La-138

Cross Section -100.0 To 9999. %

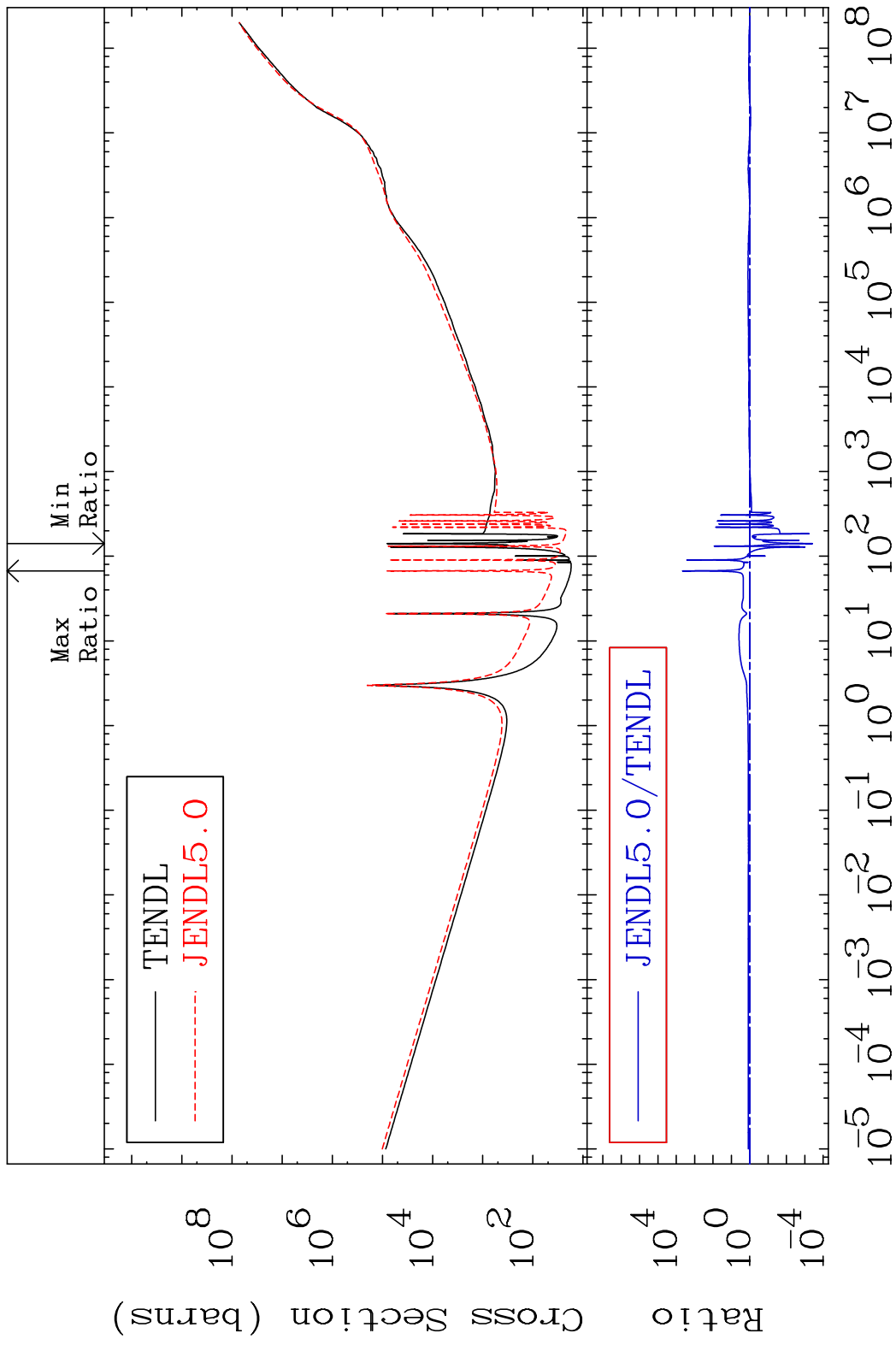


50

Incident Energy (eV)

57-La-138

MAT 5725 Total kinematic kerma (high limit) 57-La-138
 Cross Section -99.96 To 9999. %

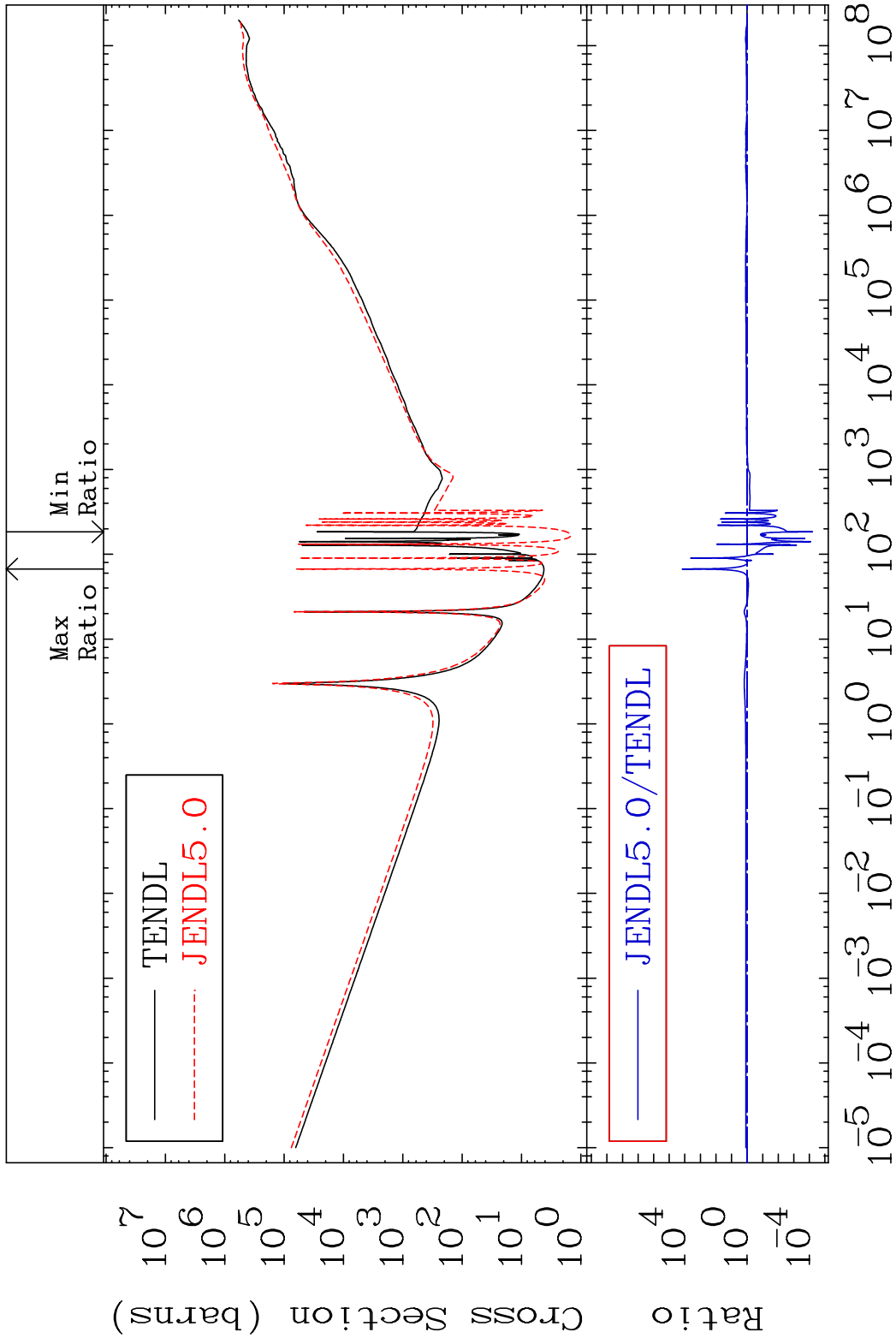


MAT 5725

Dpa total (eV-barns)

57-La-138

Cross Section -99.99 To 9999. %



52

Incident Energy (eV)

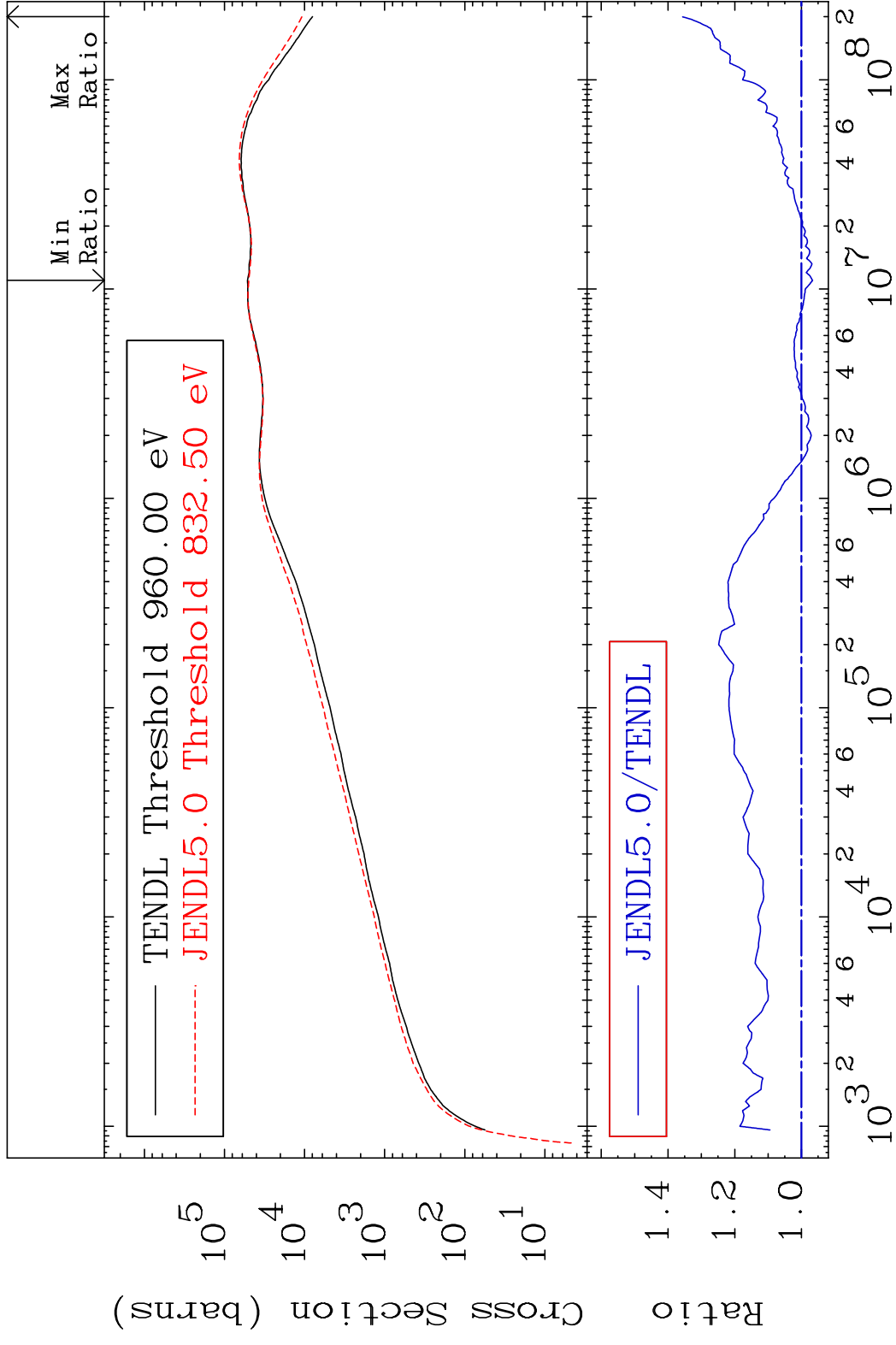
57-La-138

MAT 5725

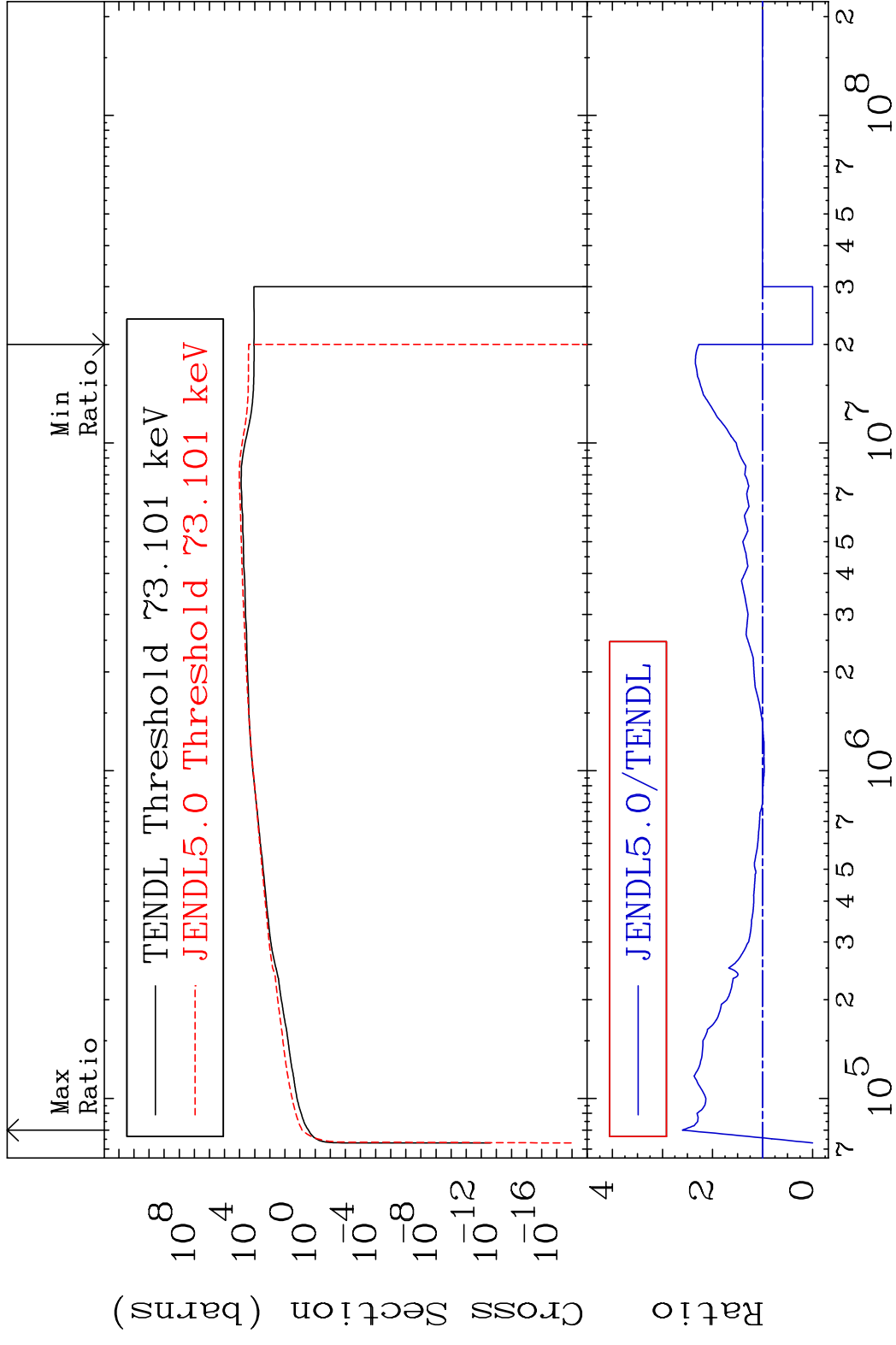
Dpa elastic (mt2)

57-La-138

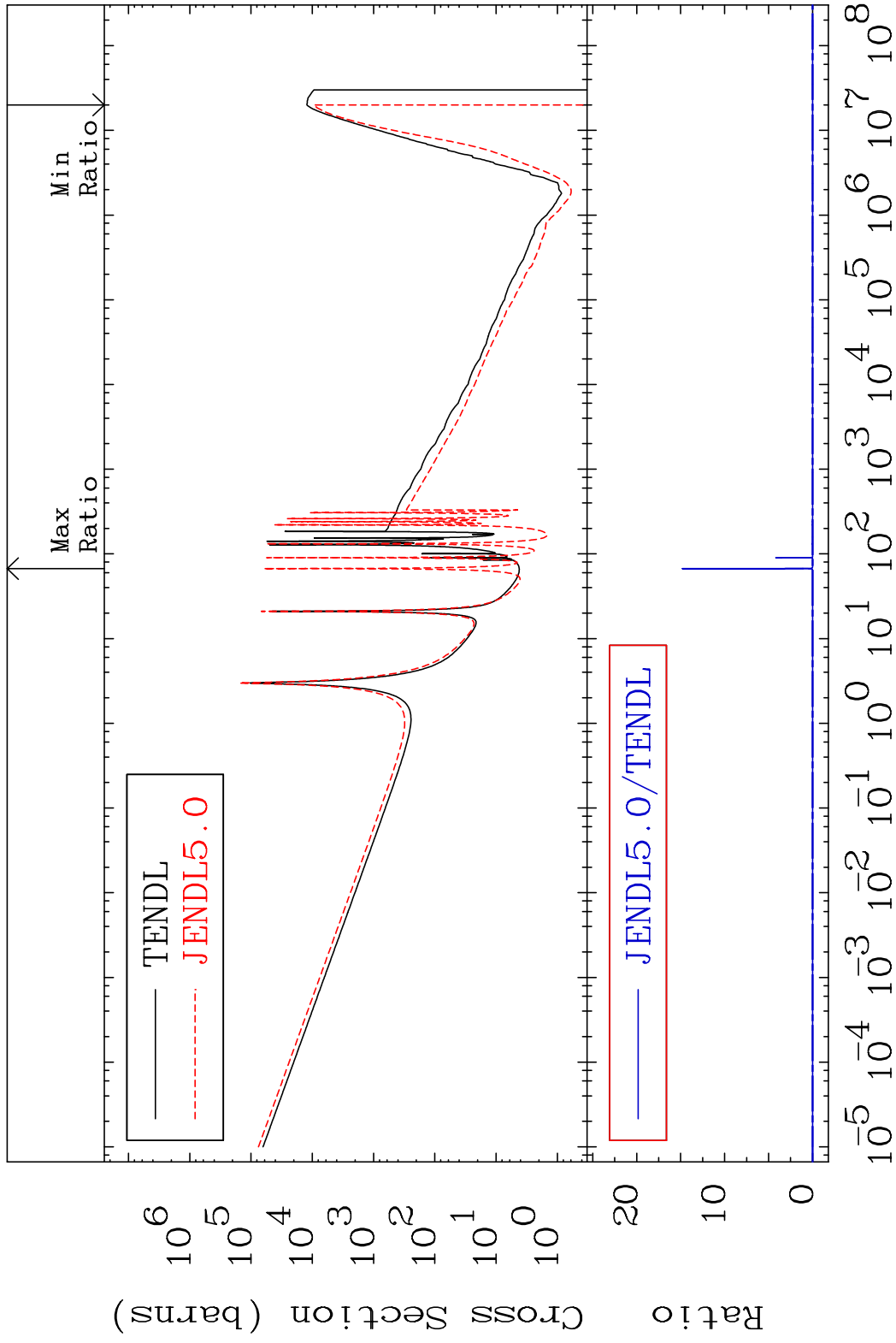
Cross Section -3.323 To 35.70 %



MAT 5725 Dpa inelastic (mt51-91) 57-La-138
 Cross Section -100.0 To 160.2 %

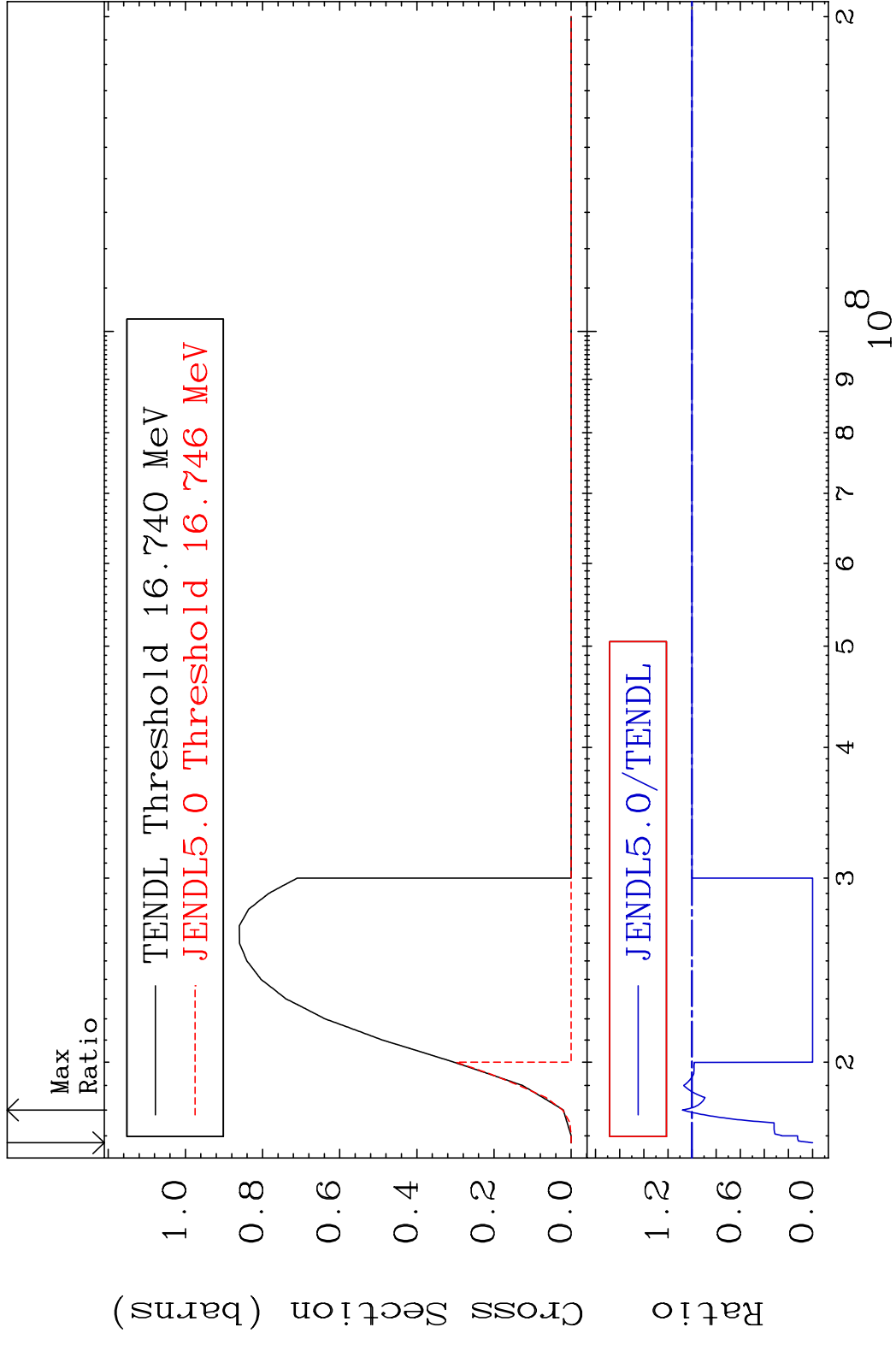


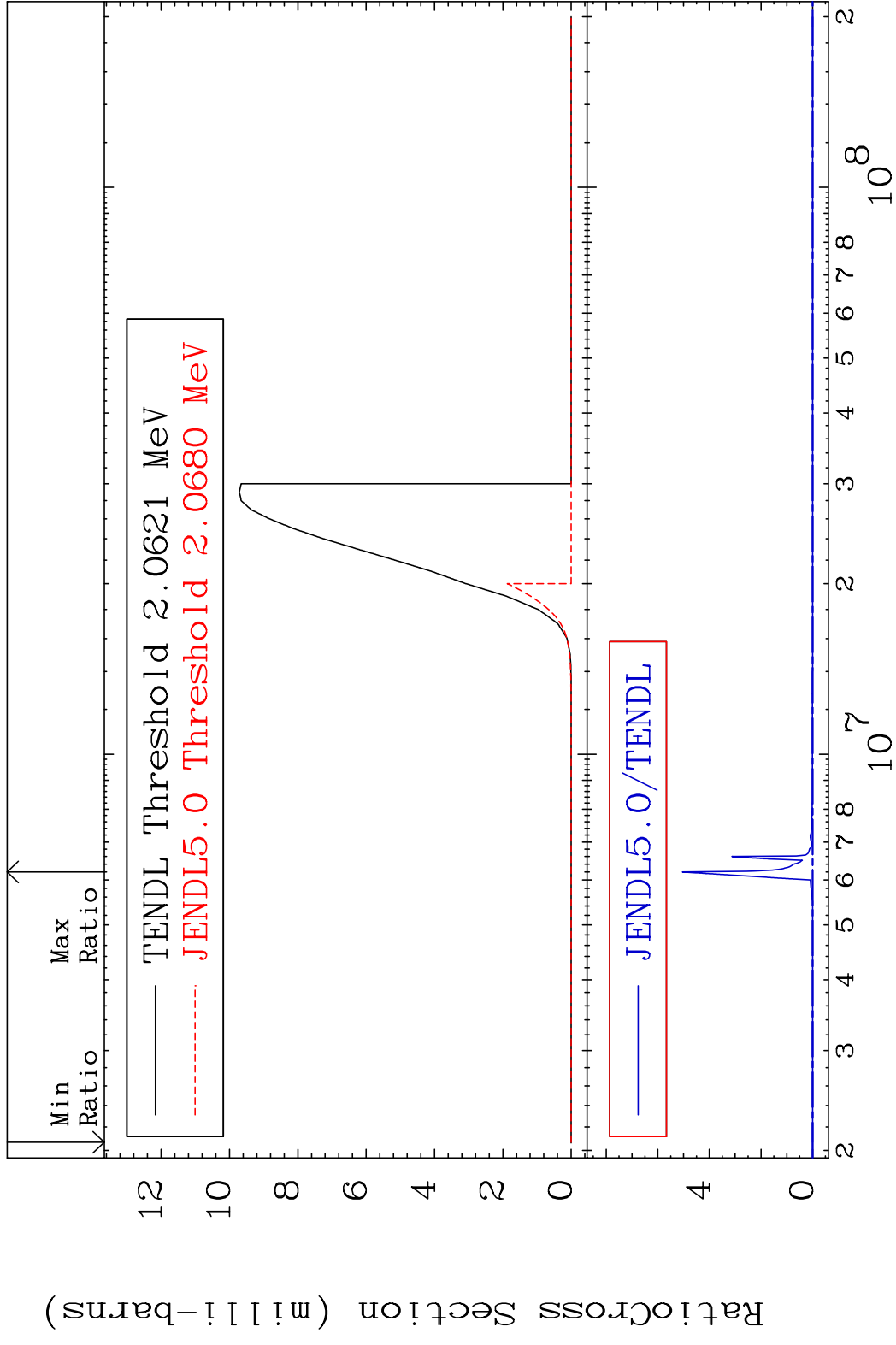
MAT 5725 Dpa disappearance (mt102 -120) 57-La-138
 Cross Section -100.0 To 9999. %

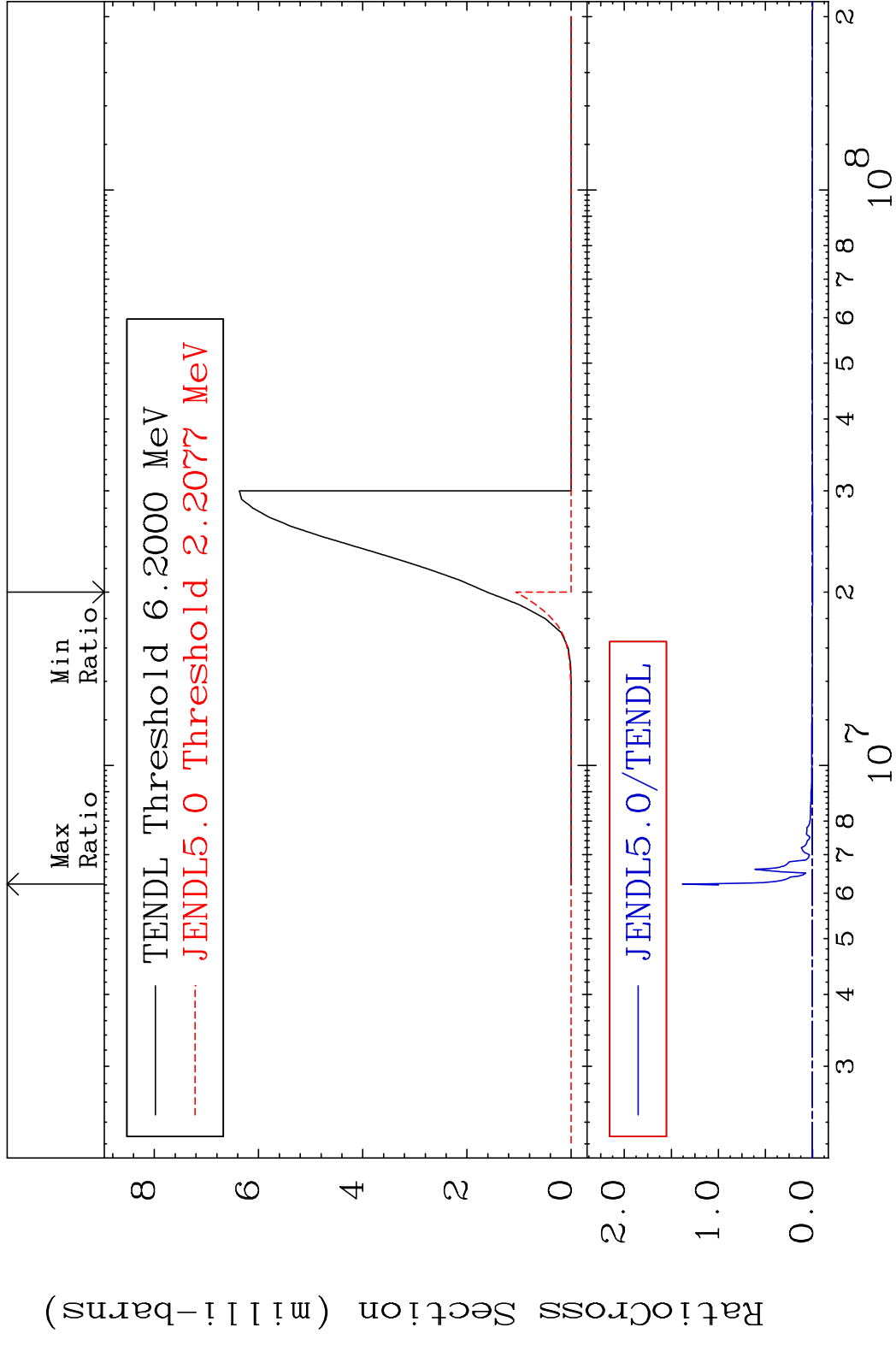


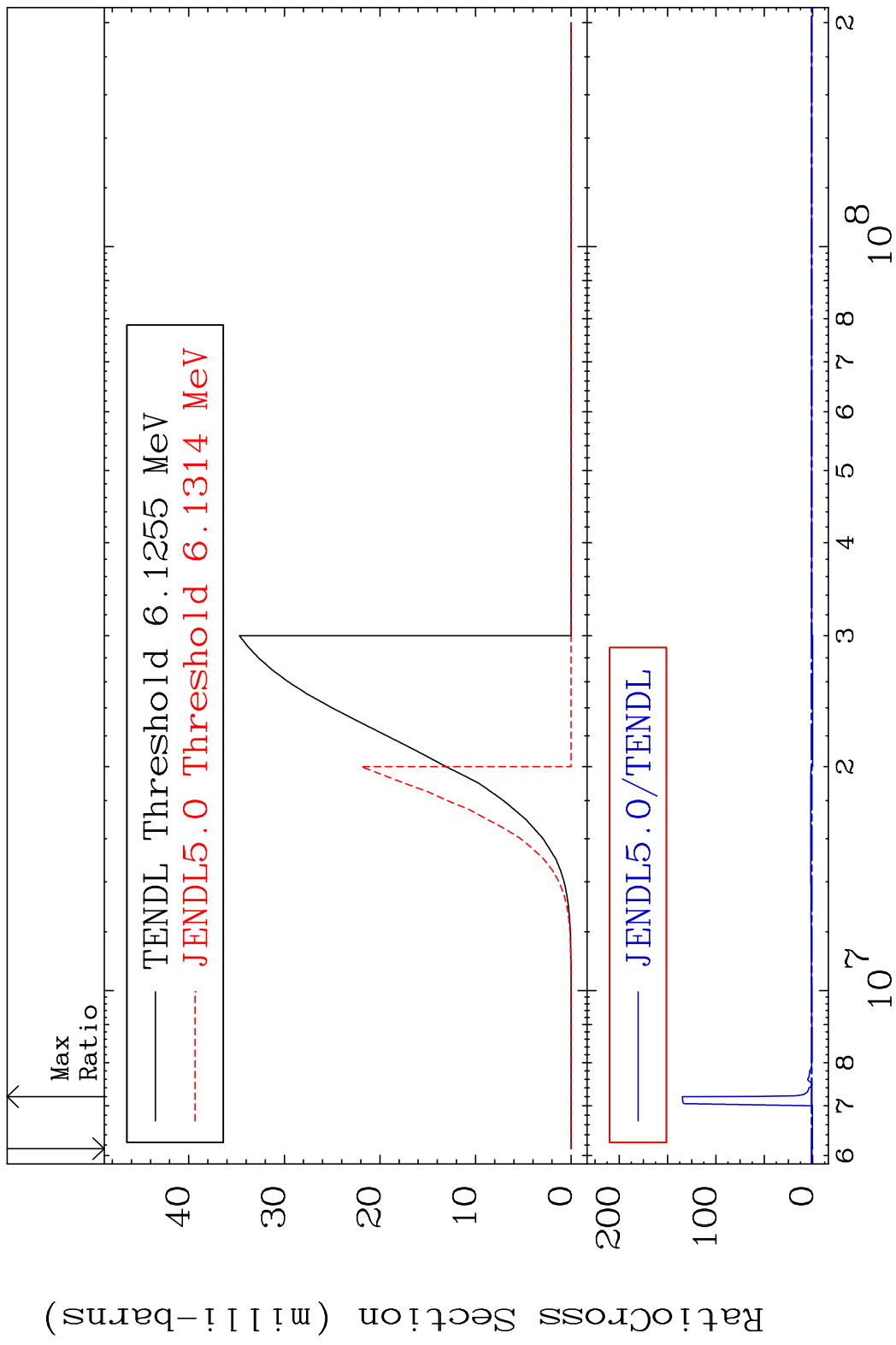
55 Incident Energy (eV) 57-La-138

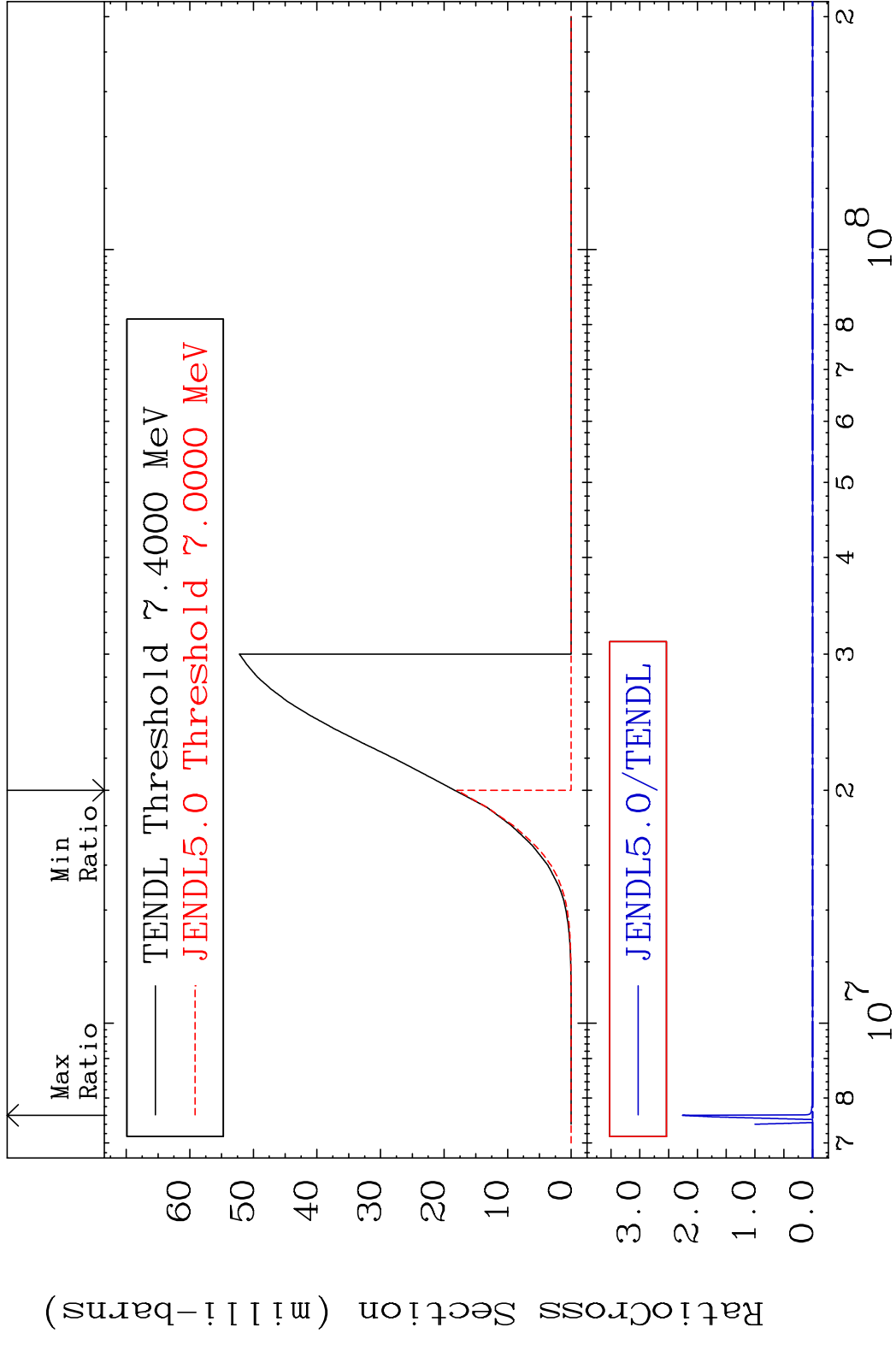
MAT 5725 (n,3n):57-La-136g 57-La-138
 Radionuclide Production Cross Section 180.01 dth 8.020 %

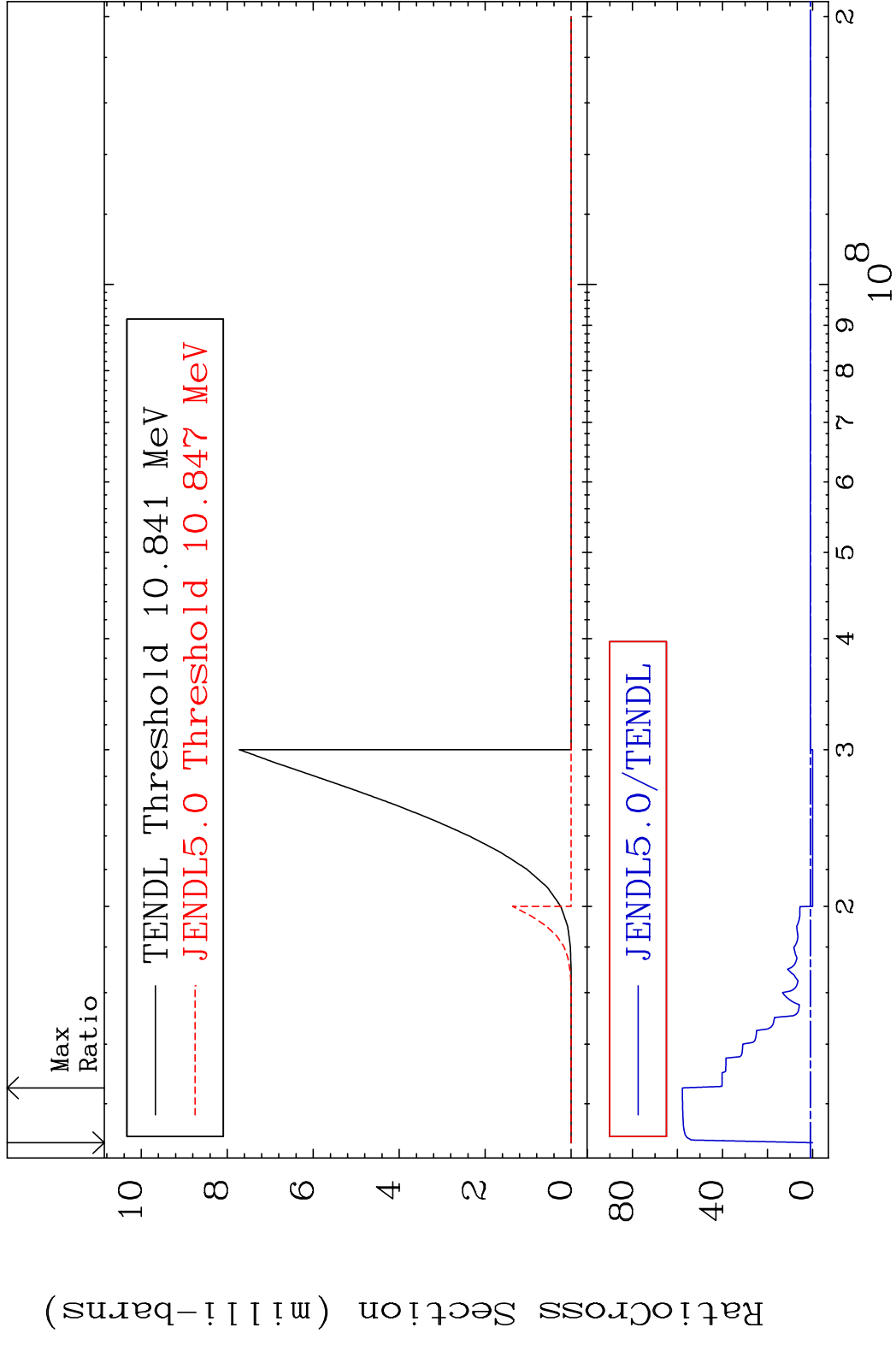


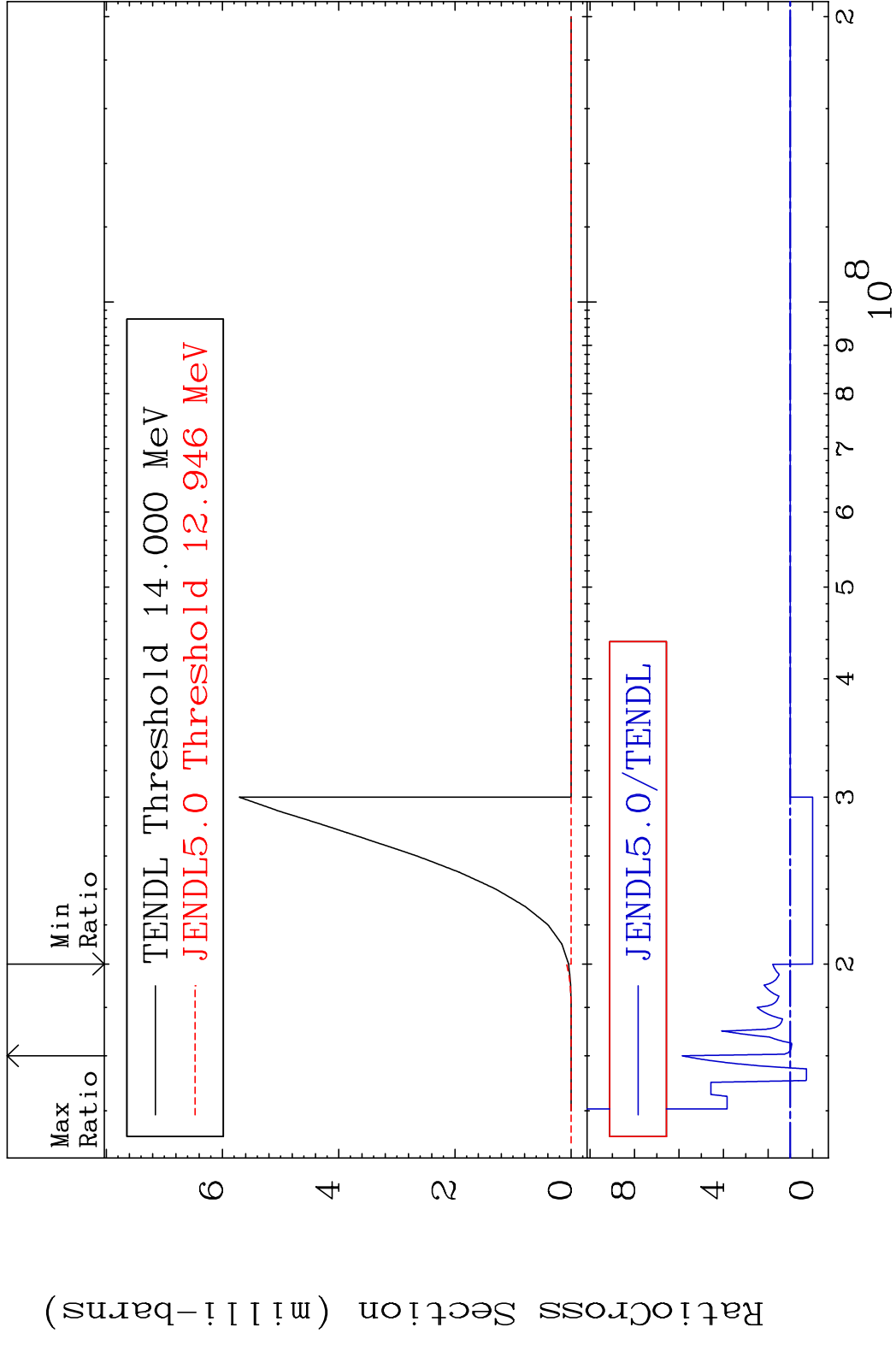


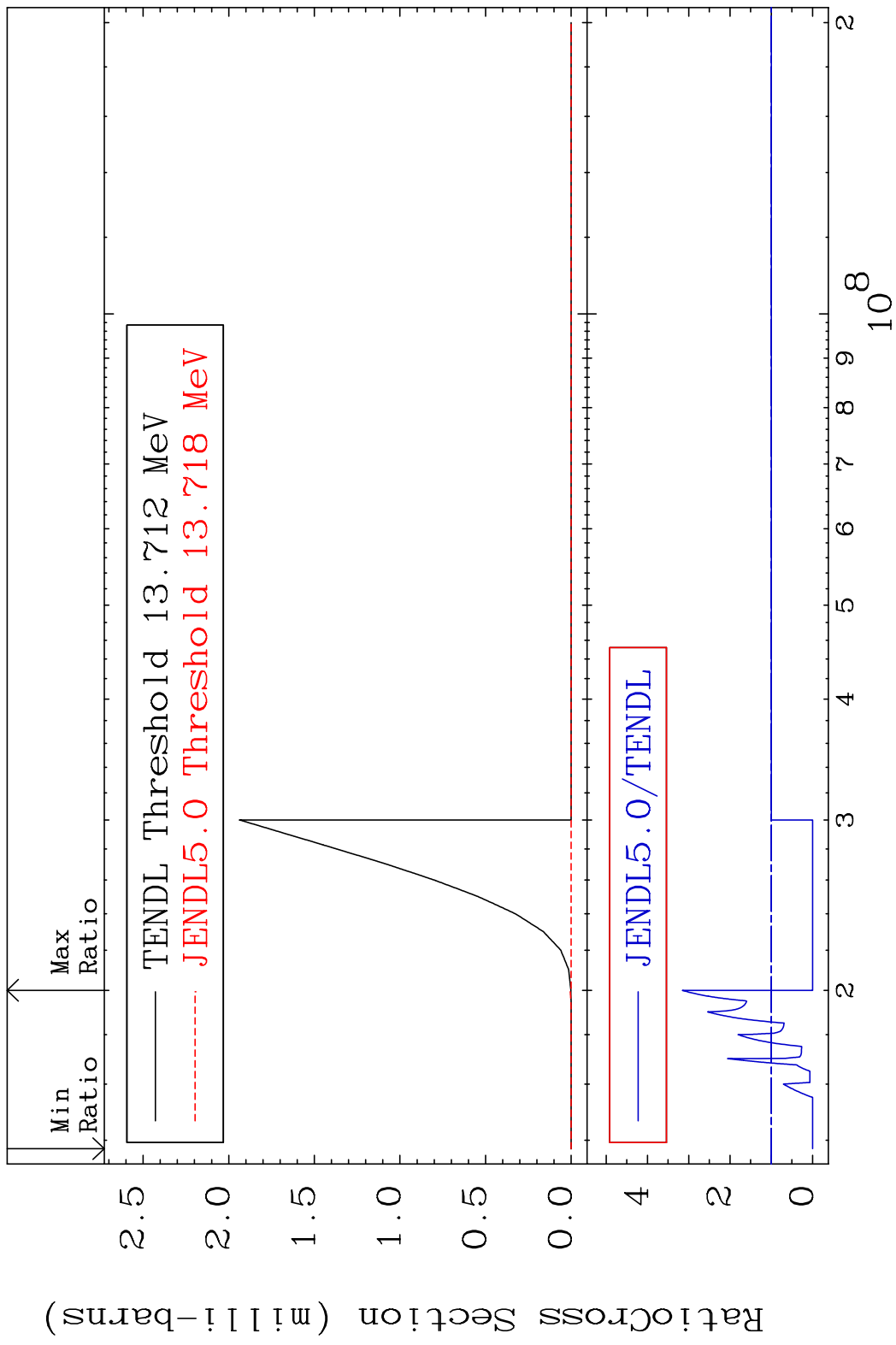


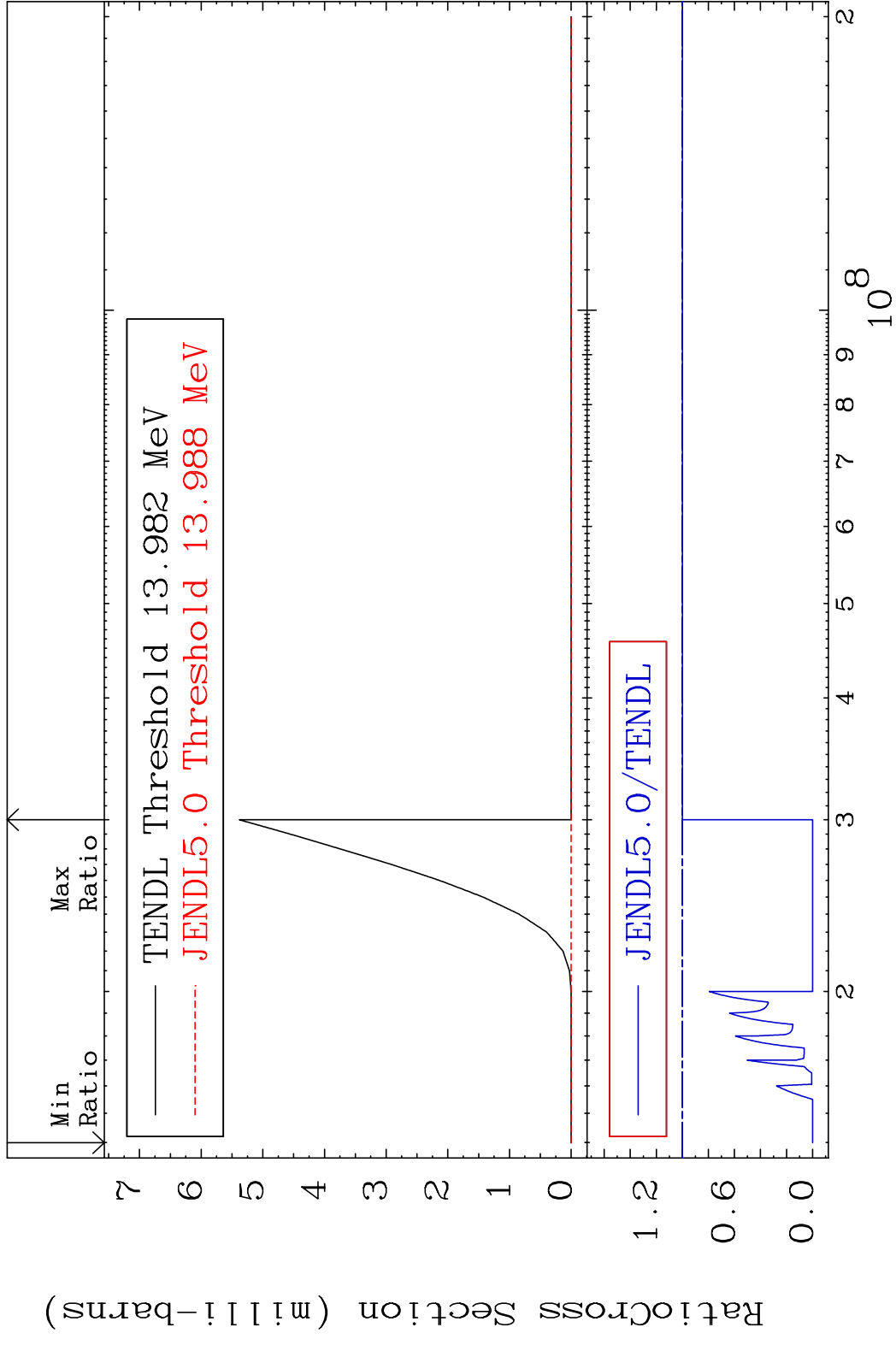


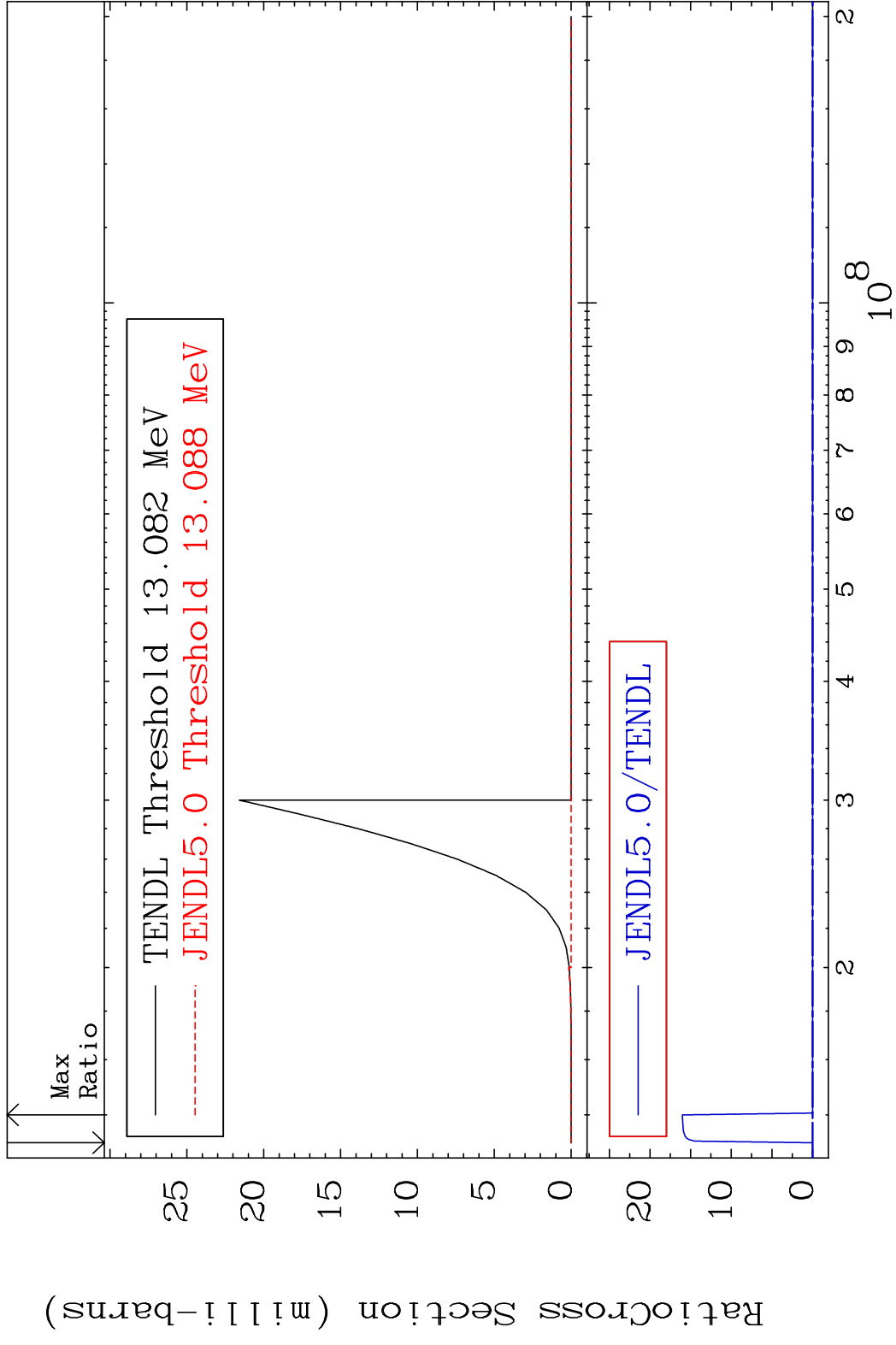


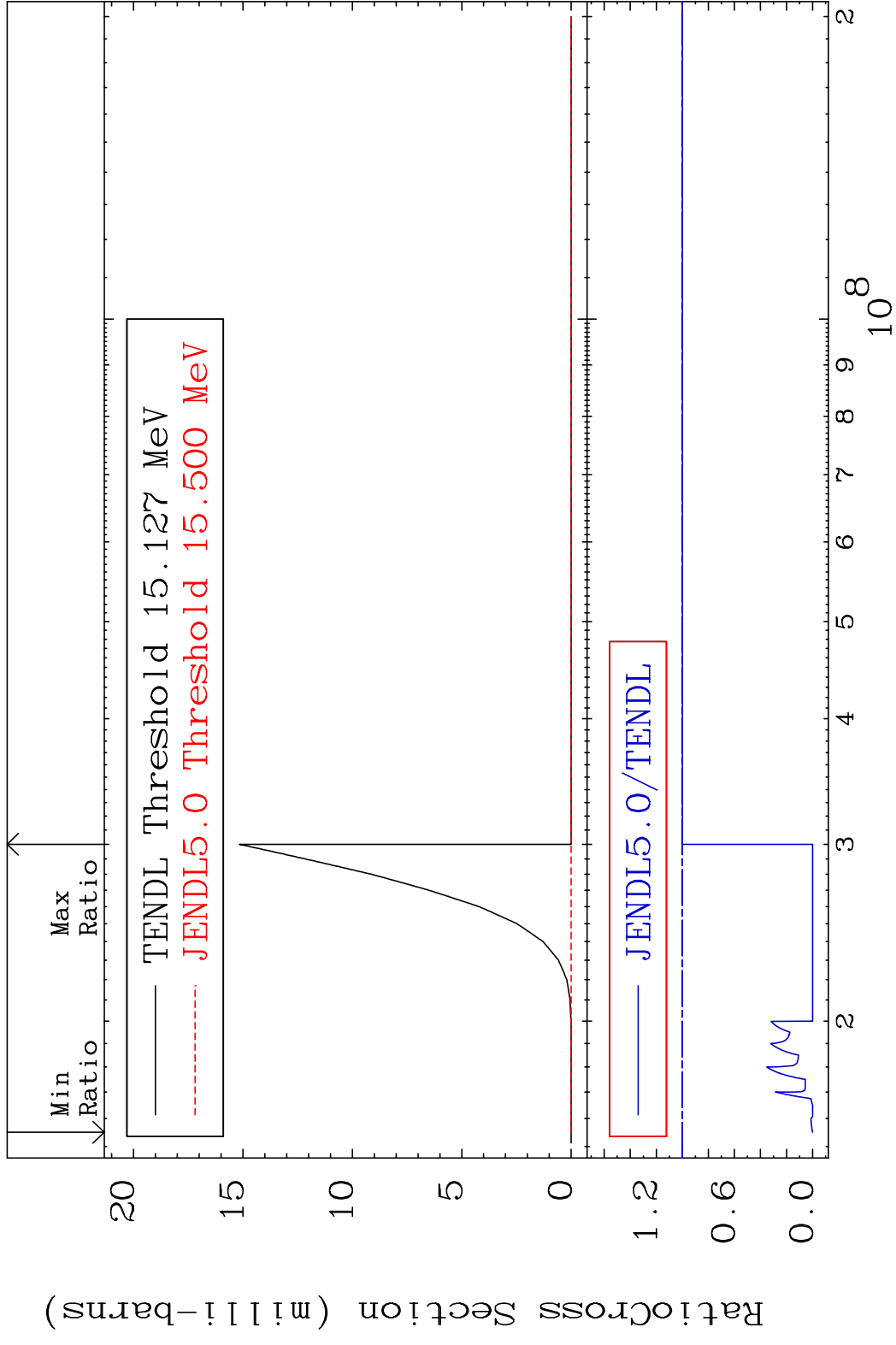


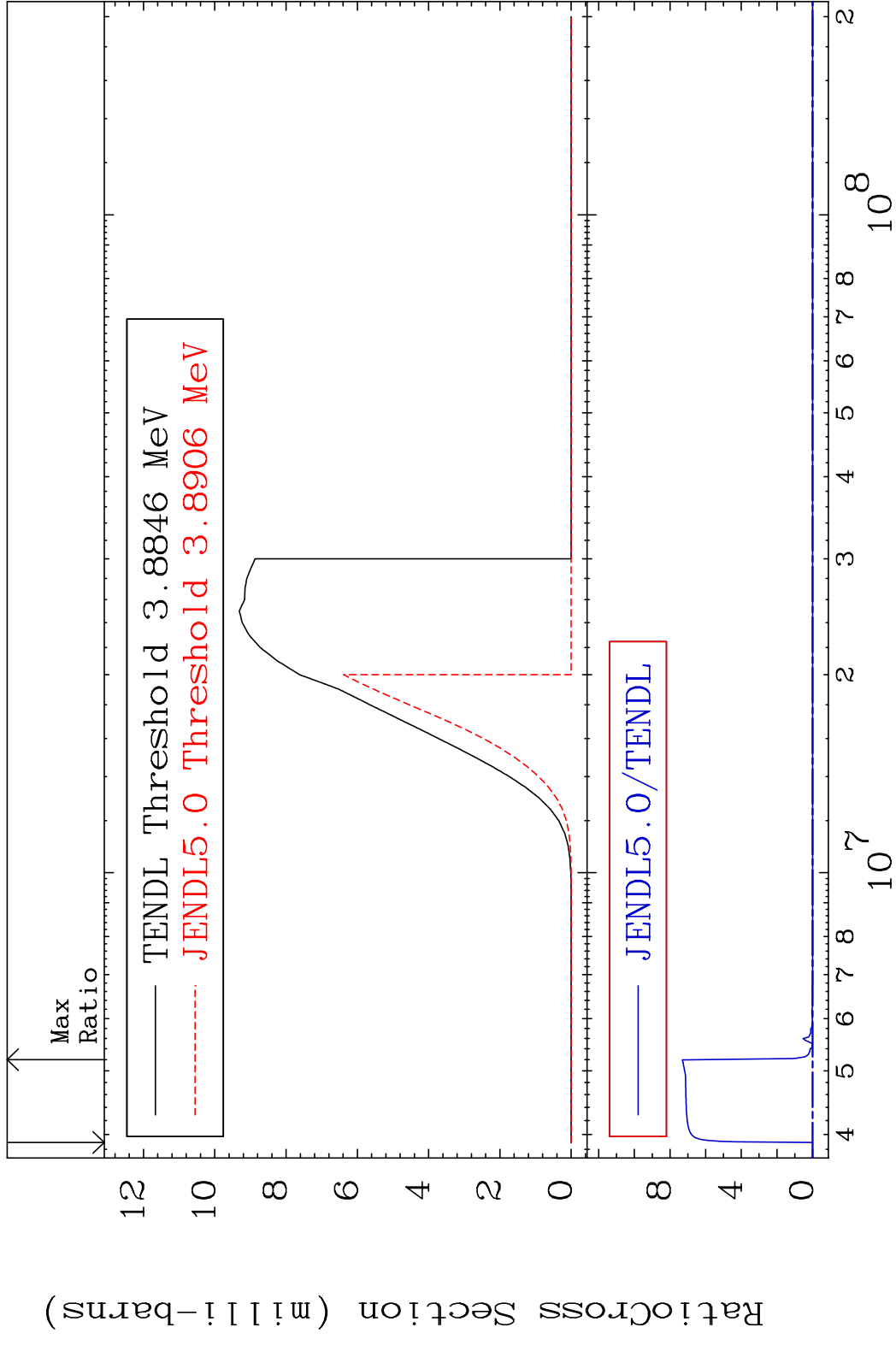


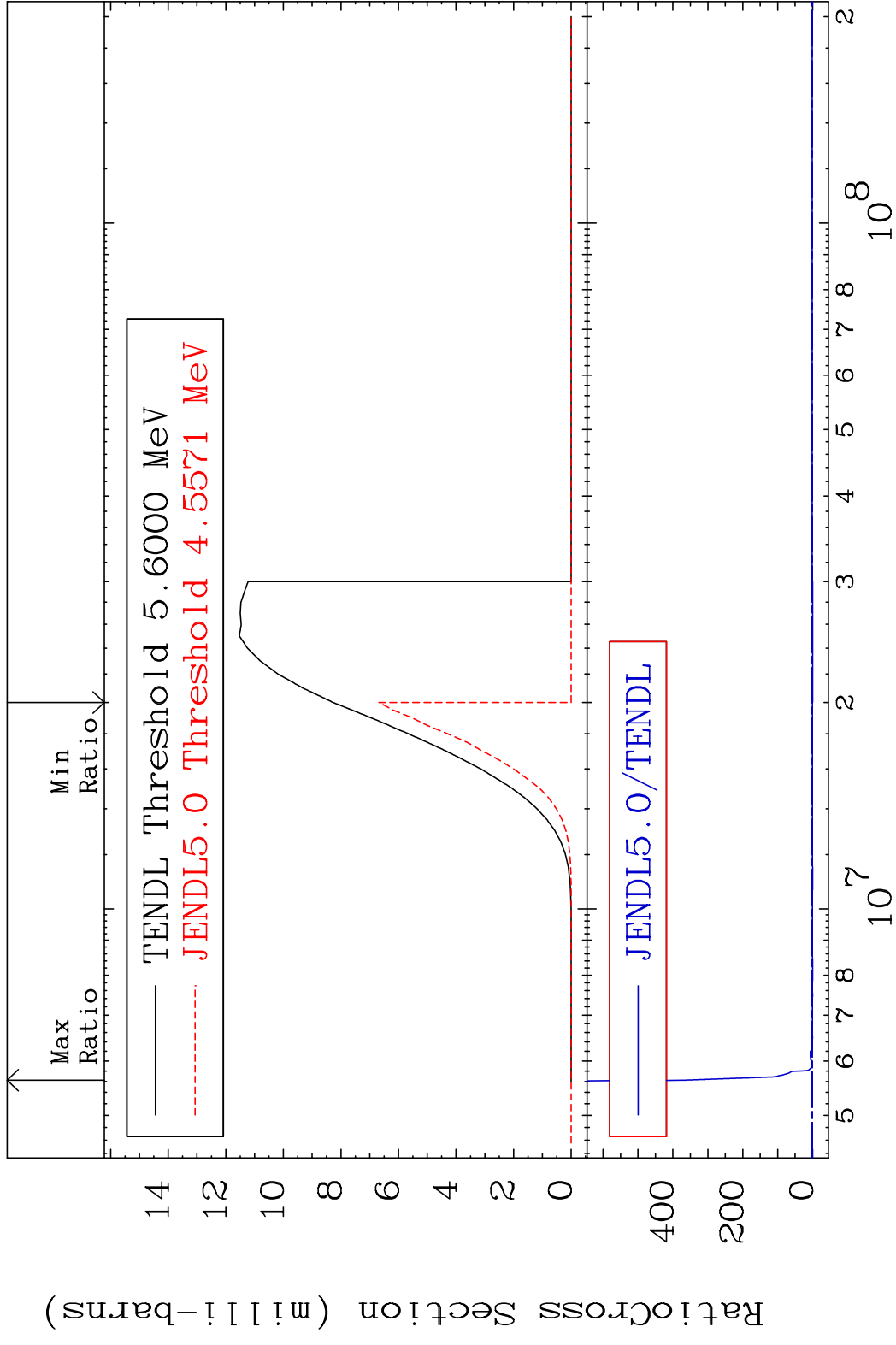




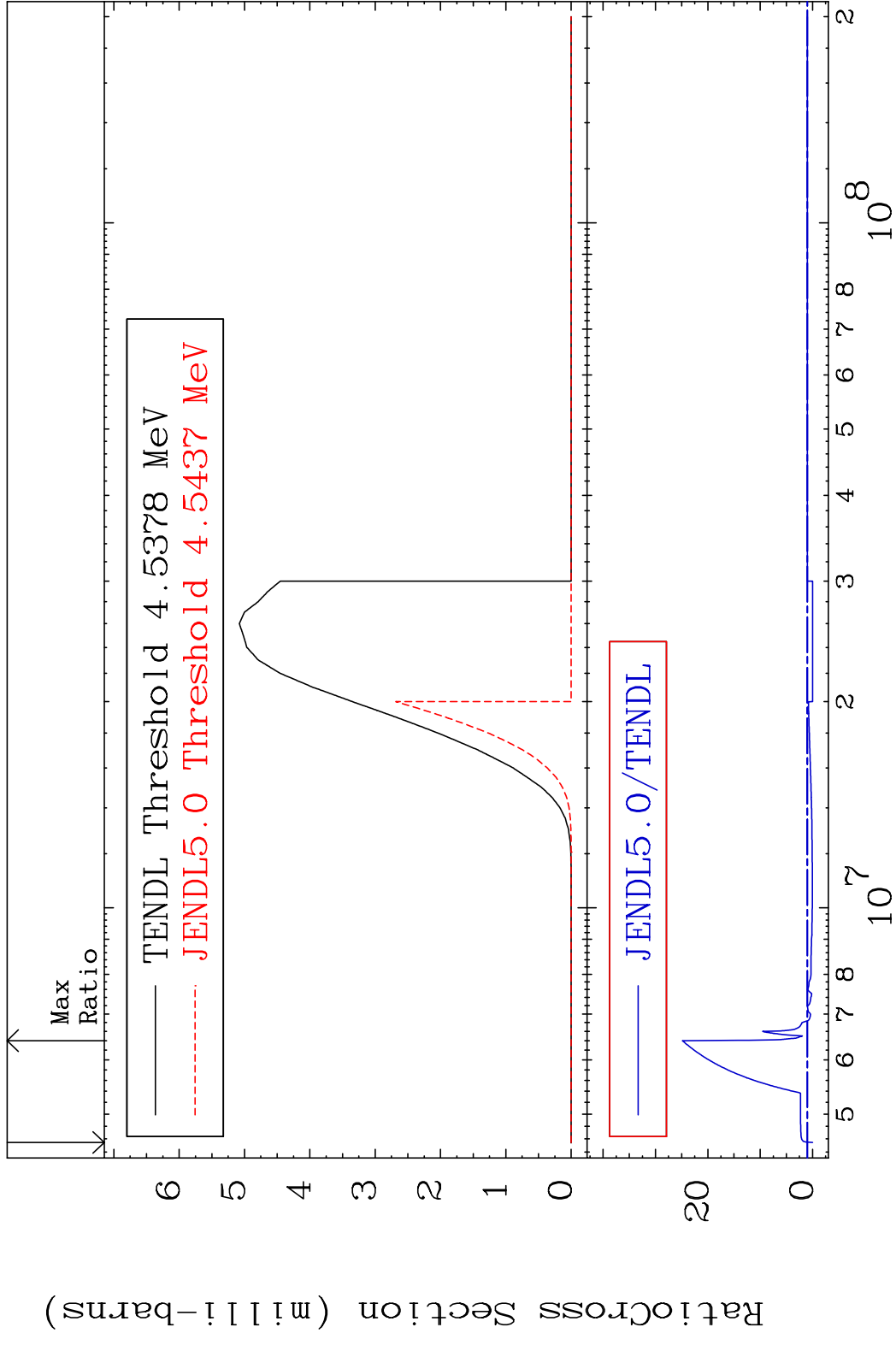








MAT 5725 (n, t):56-Ba-136g 57-La-138
 Radionuclide Production Cross Section Ratio 2387. %



MAT 5725 (n, t):56-Ba-136m5 57-La-138
 Radionuclide Production Cross Section 180.0 mb 260.9 %

