

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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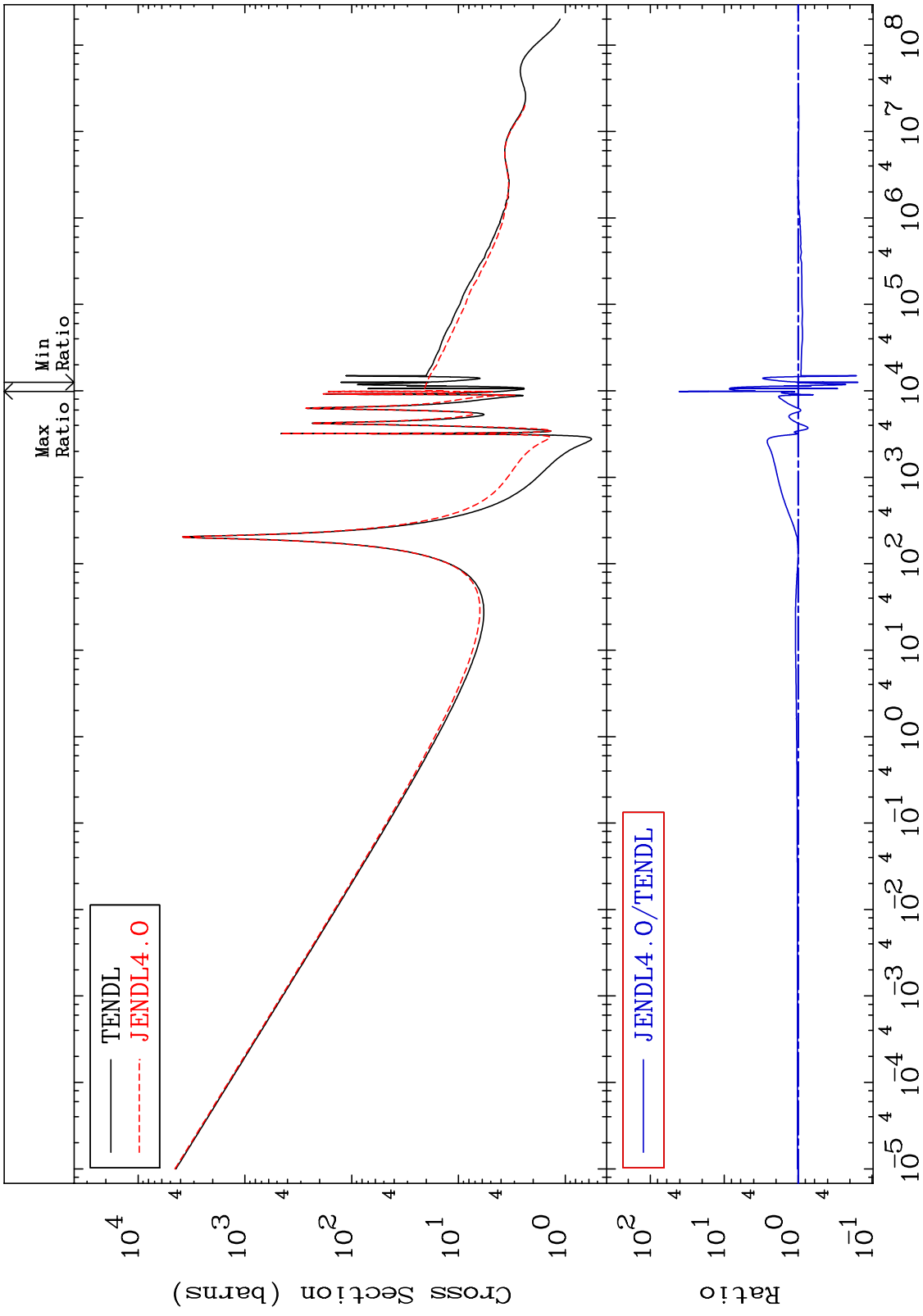
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2828 28-Ni-59 -84.40 To 4001. % Total Cross Section

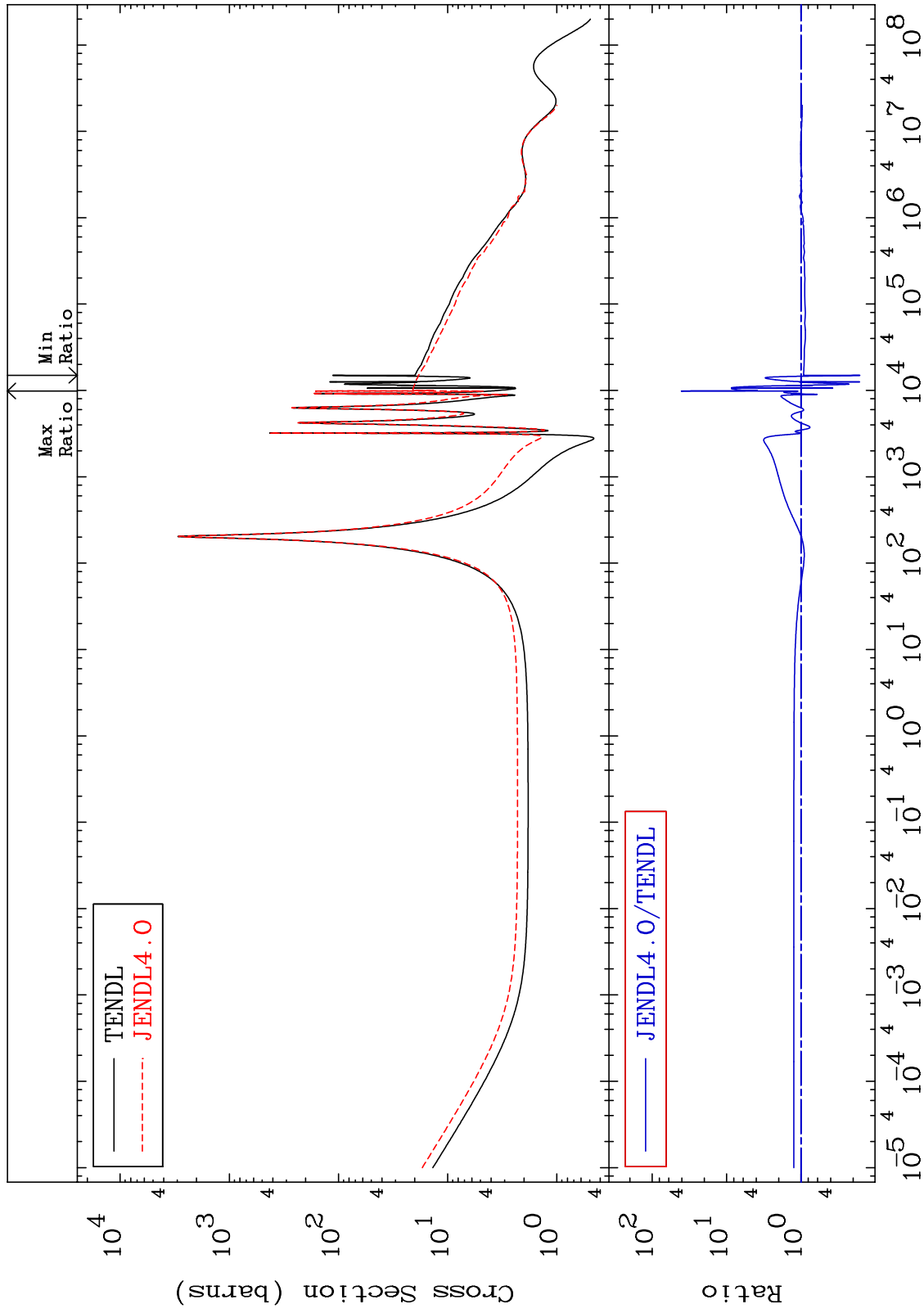


1 Incident Energy (eV) 28-Ni-59

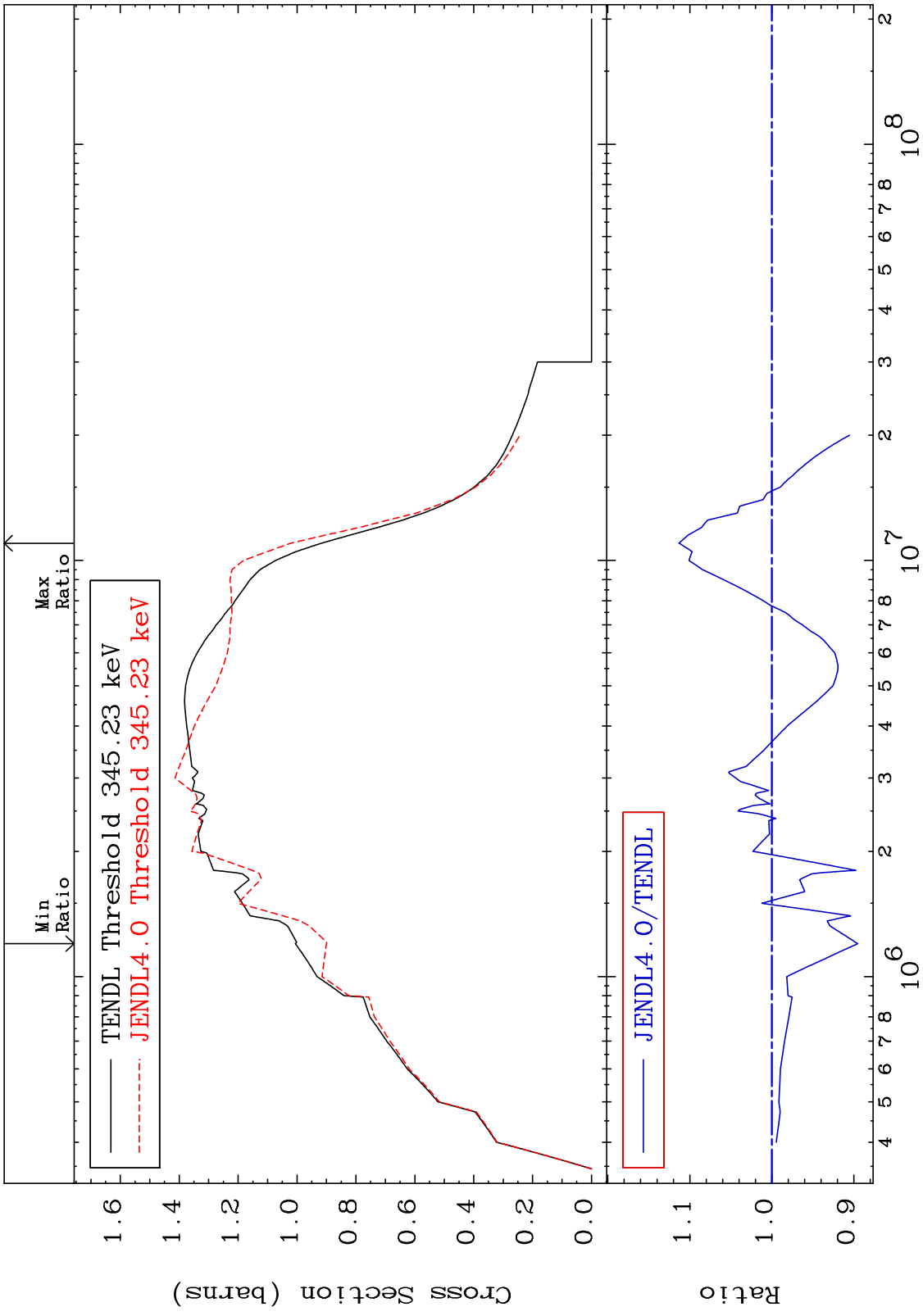
MAT 2828

Elastic
Cross Section

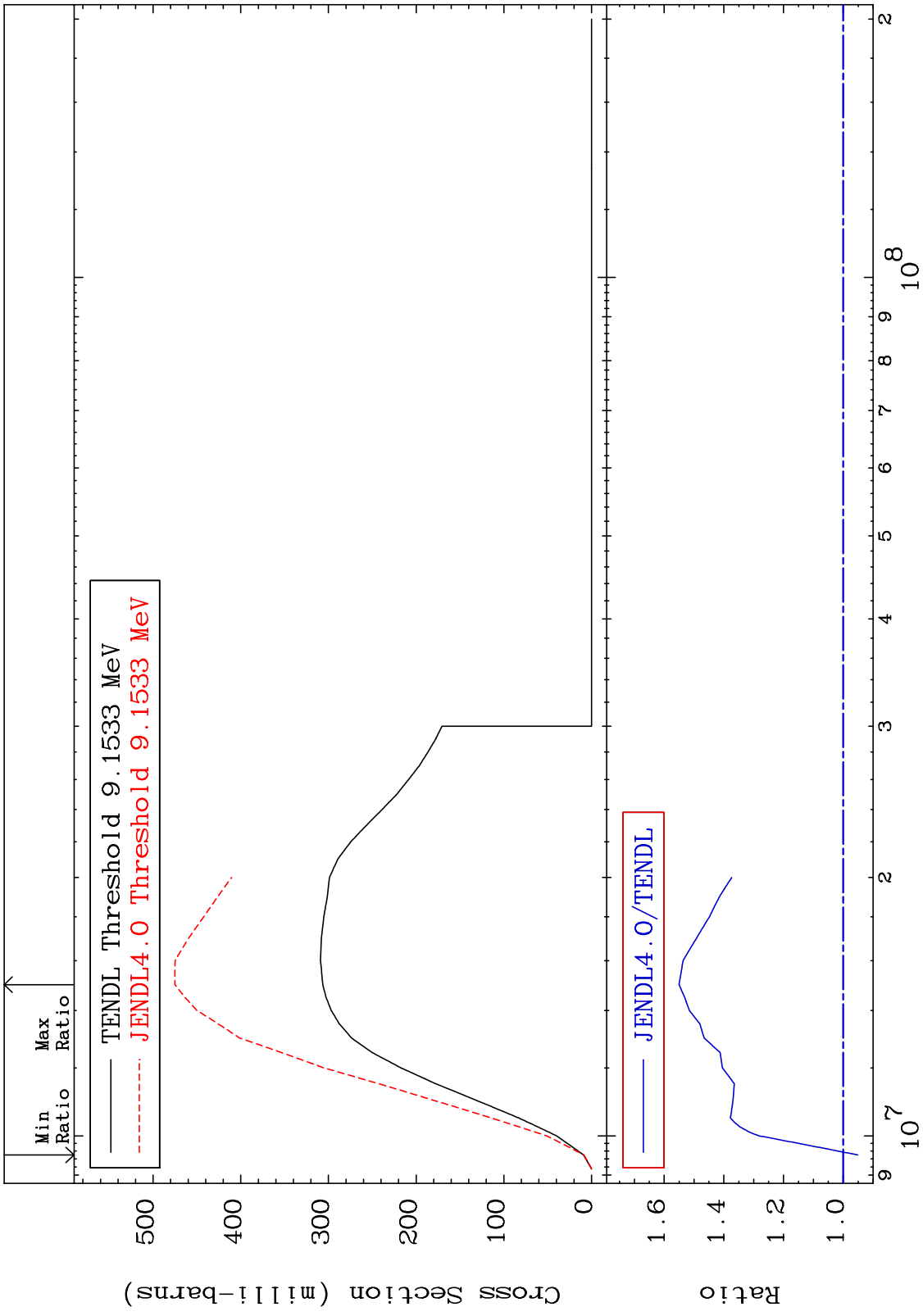
28-Ni-59
-83.71 To 3973. %



MAT 2828 28-Ni-59
-10.49 To 11.31 %
Inelastic Cross Section



MAT 2828 (n,2n) Cross Section 28-Ni-59 -4.905 To 55.03 %



4 Incident Energy (eV) 28-Ni-59

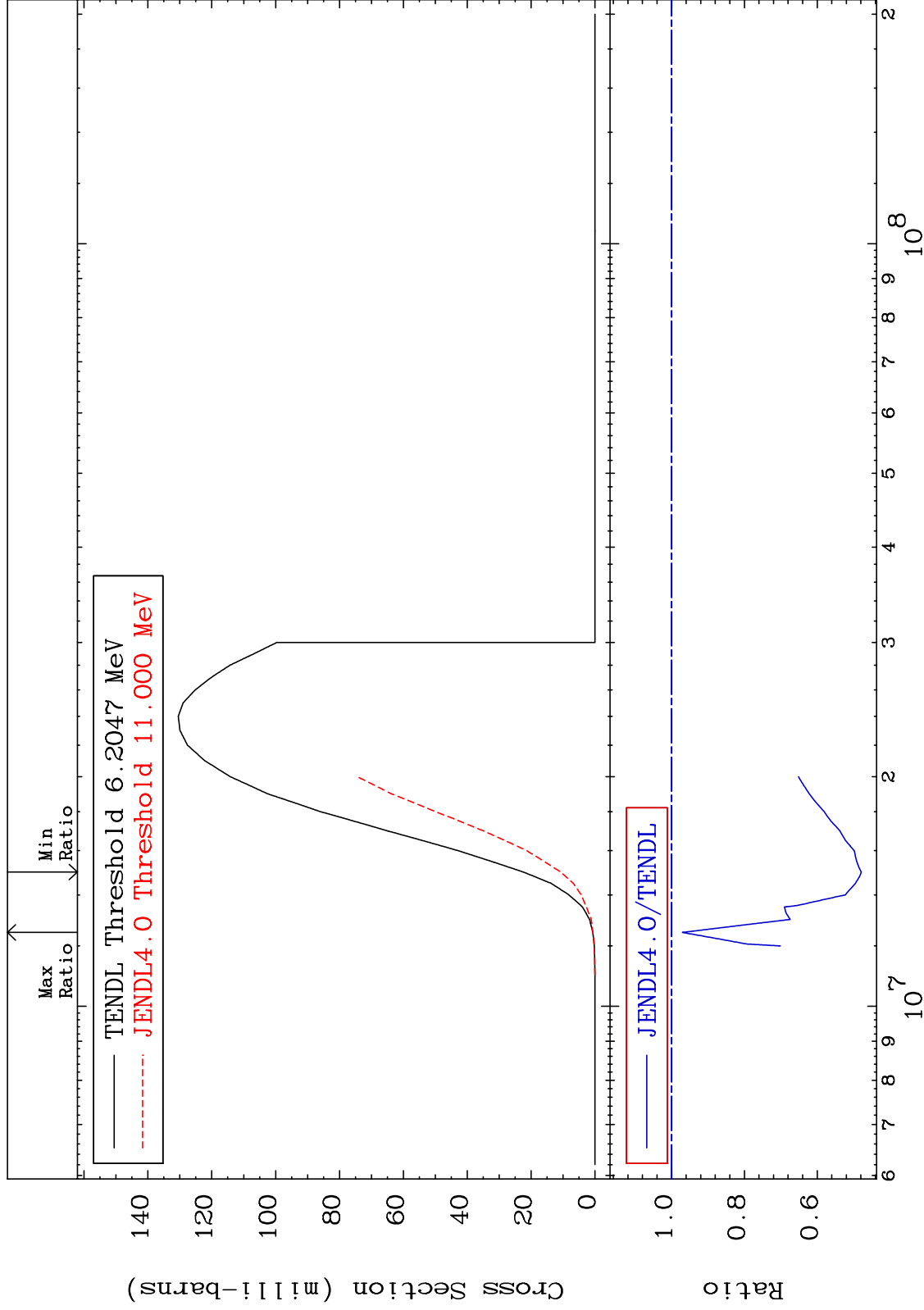
MAT 2828

(n,n') α

28-Ni-59

Cross Section

-52.11 To -2.983%

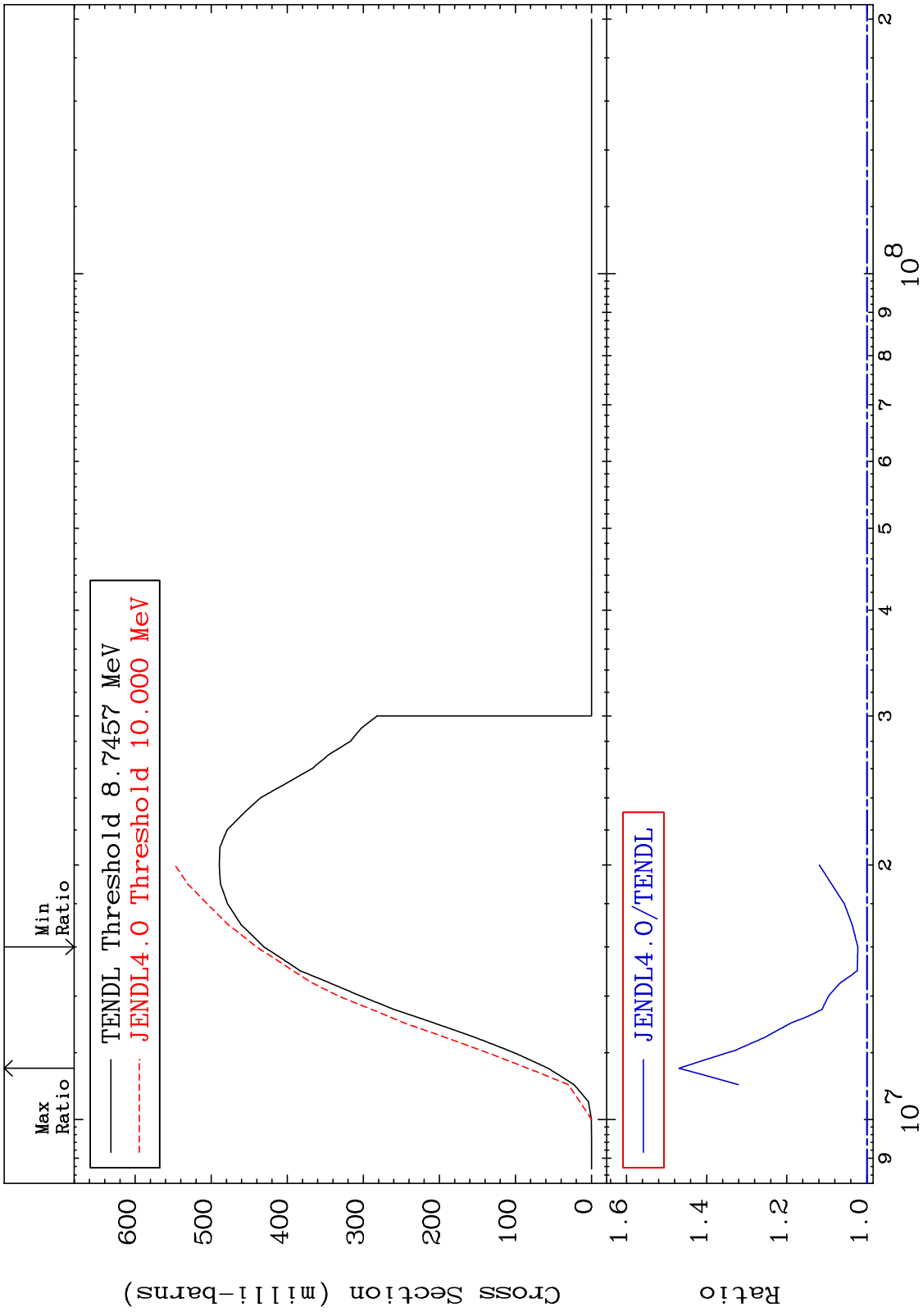


5

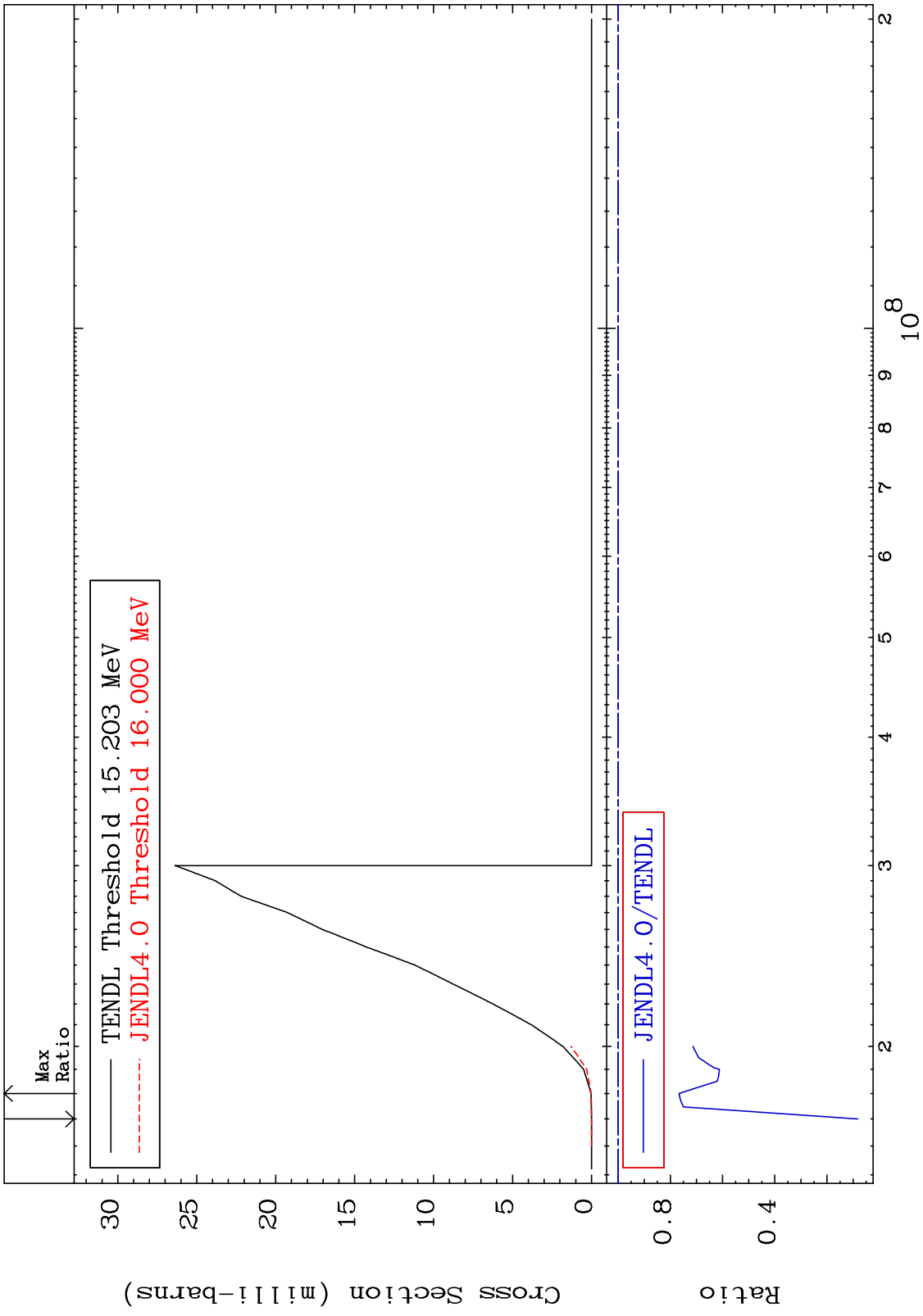
Incident Energy (eV)

28-Ni-59

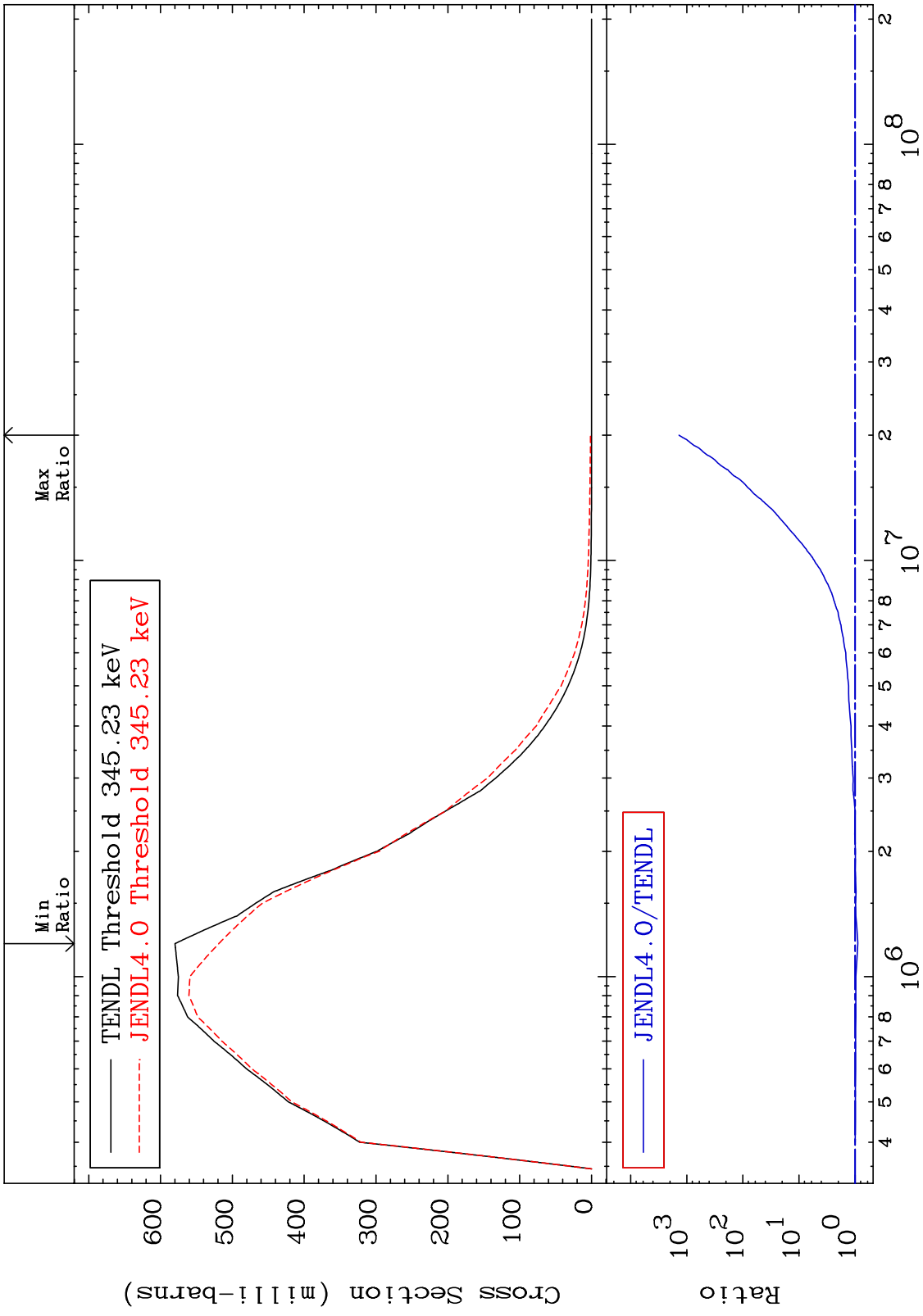
MAT 2828 (n,n') p 28-Ni-59 2.264 To 46.88 %
 Cross Section



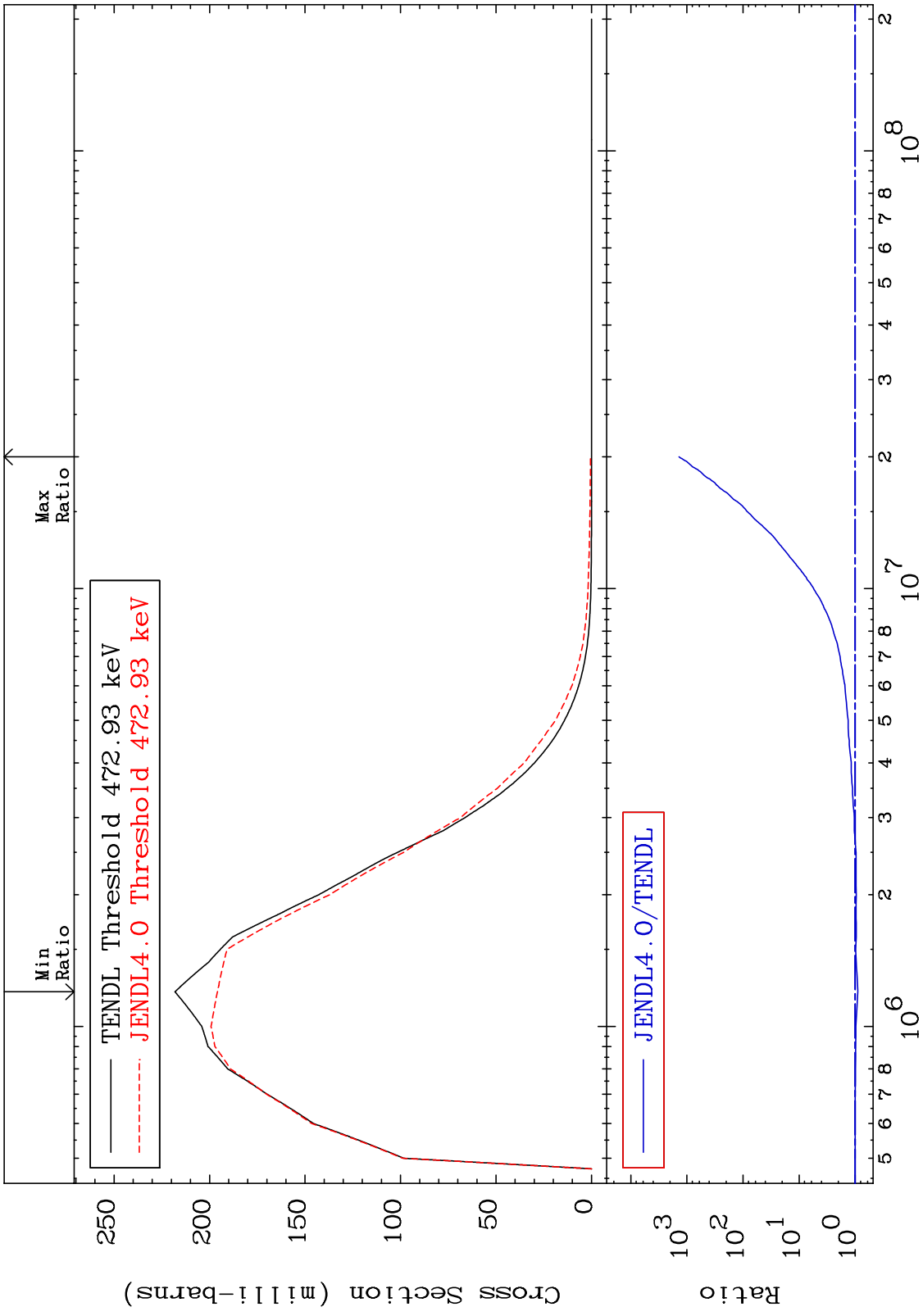
28-Ni-59



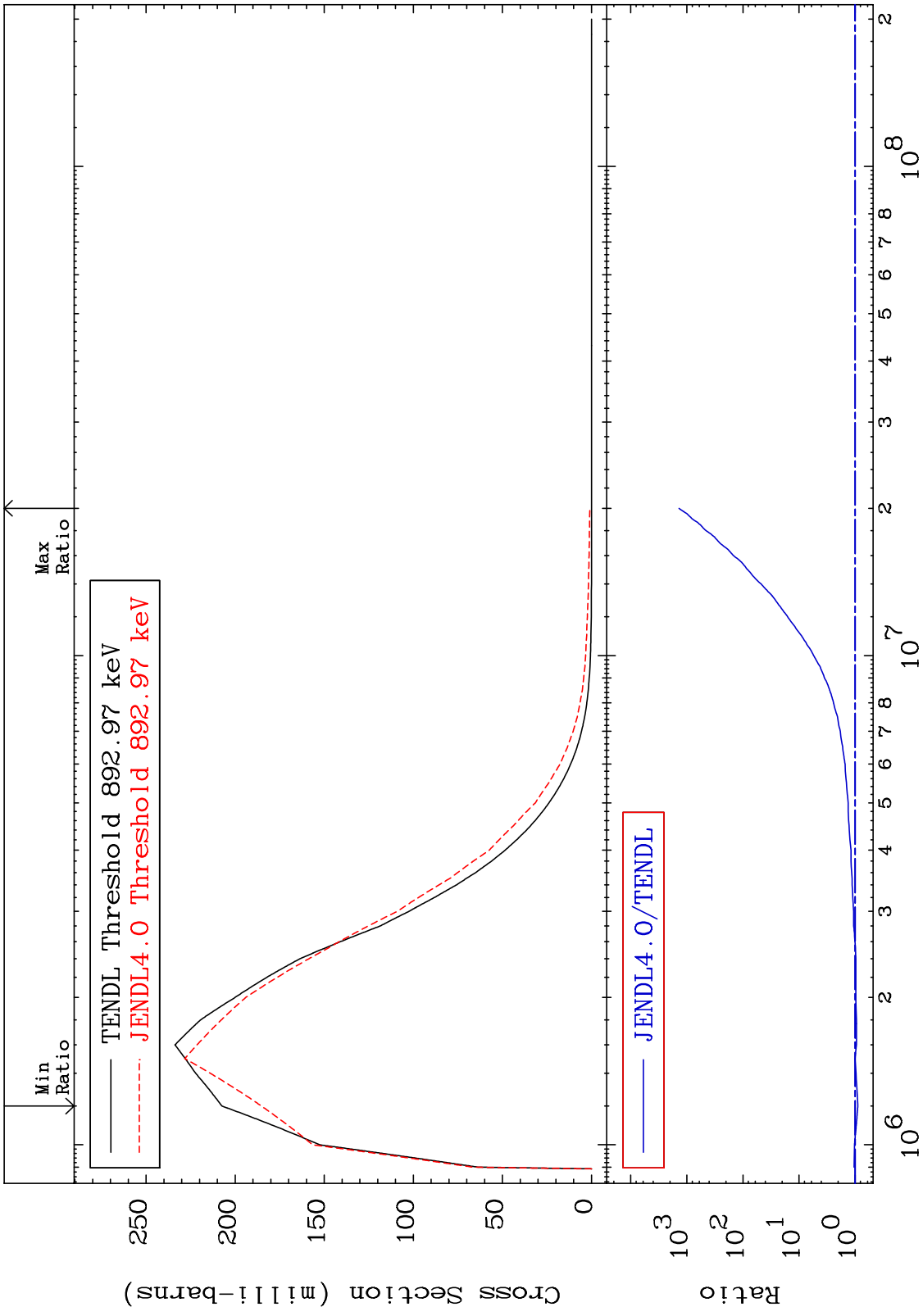
MAT 2828 MT= 51 (n,n') Level Cross Section -10.52 To 9999. % 28-Ni-59



MAT 2828 MT= 52 (n,n') Level Cross Section 28-Ni-59
 -10.20 To 9999. %

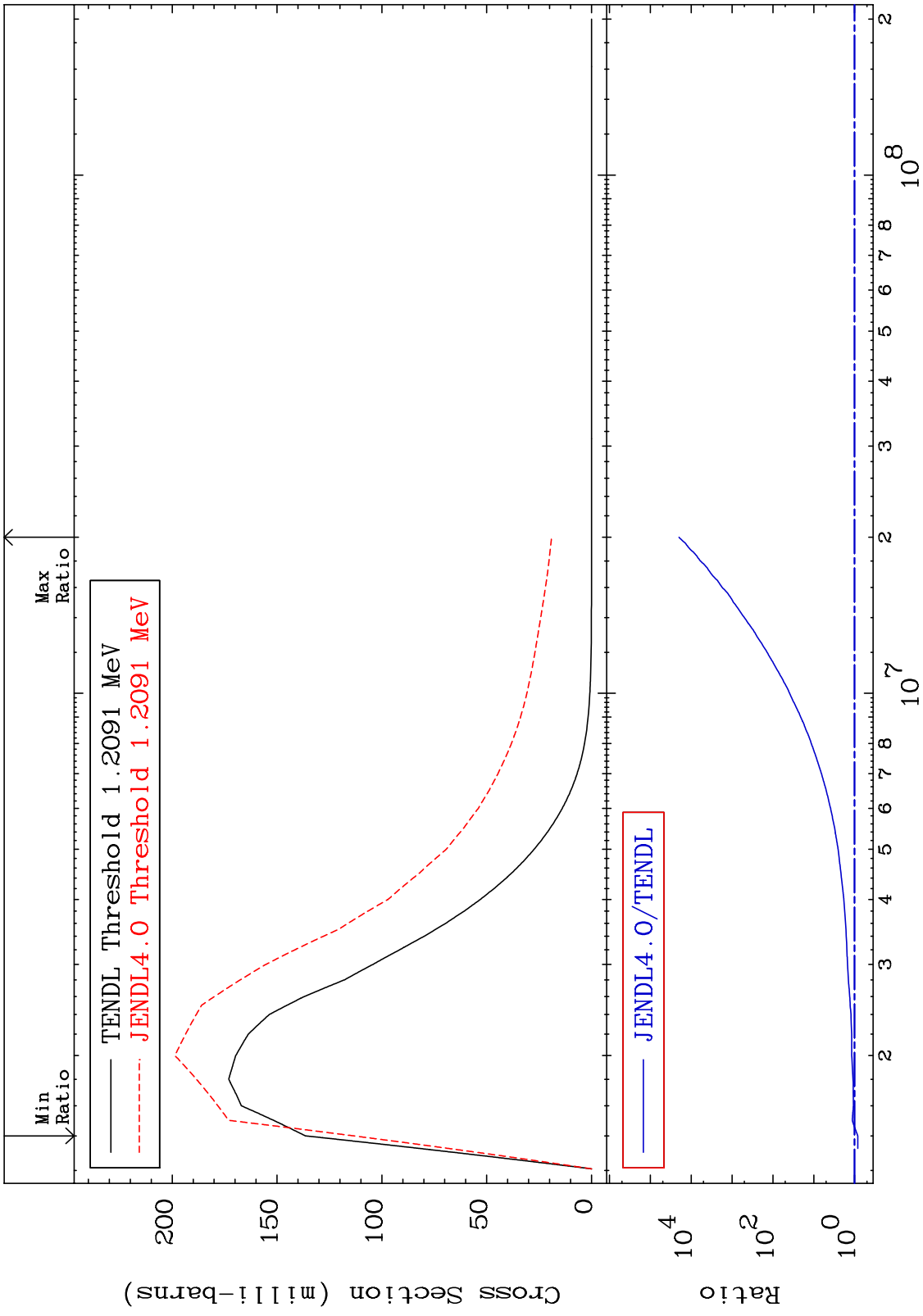


MAT 2828 MT= 53 (n,n') Level Cross Section -10.69 To 9999. % 28-Ni-59

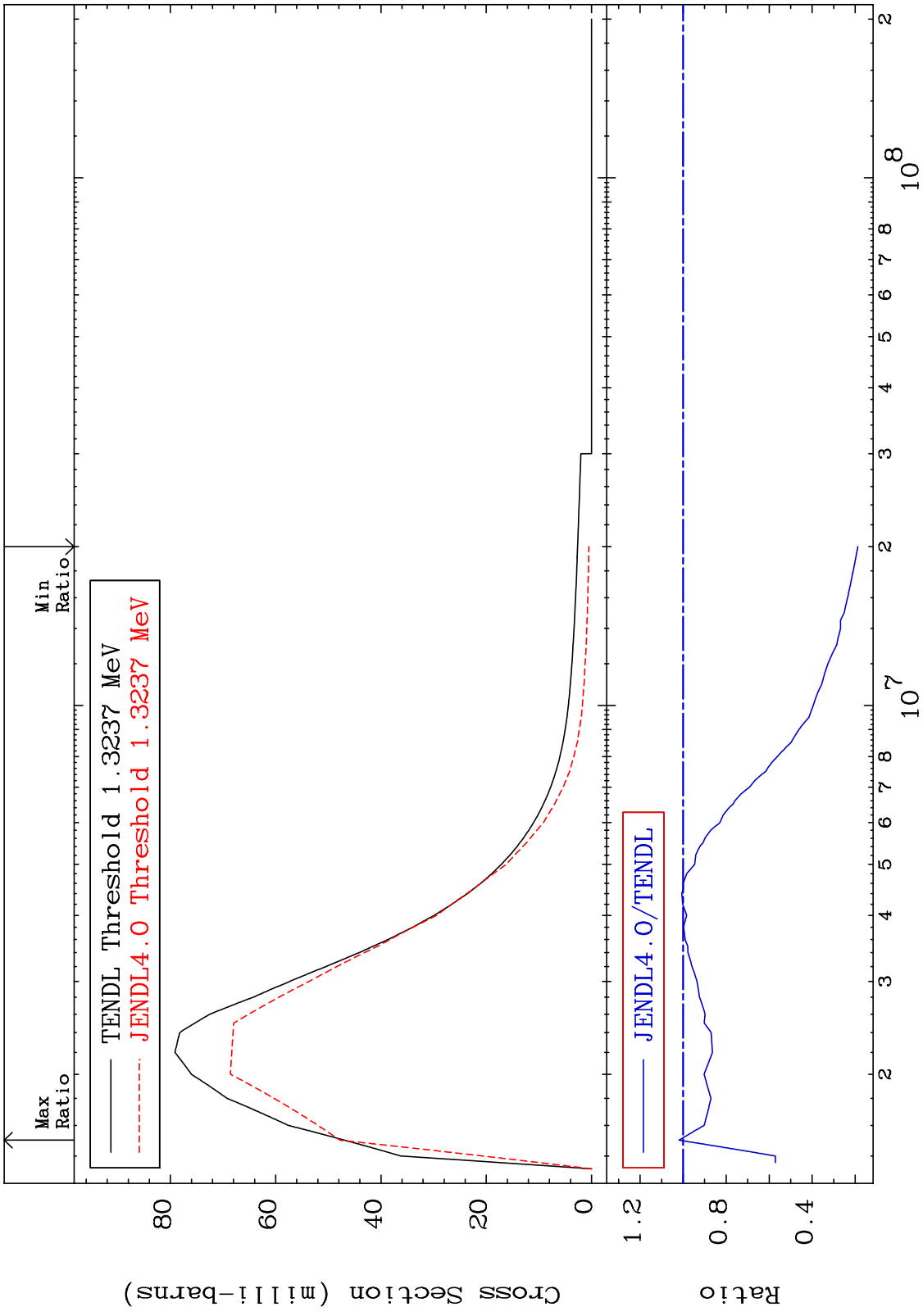


Incident Energy (eV) 28-Ni-59

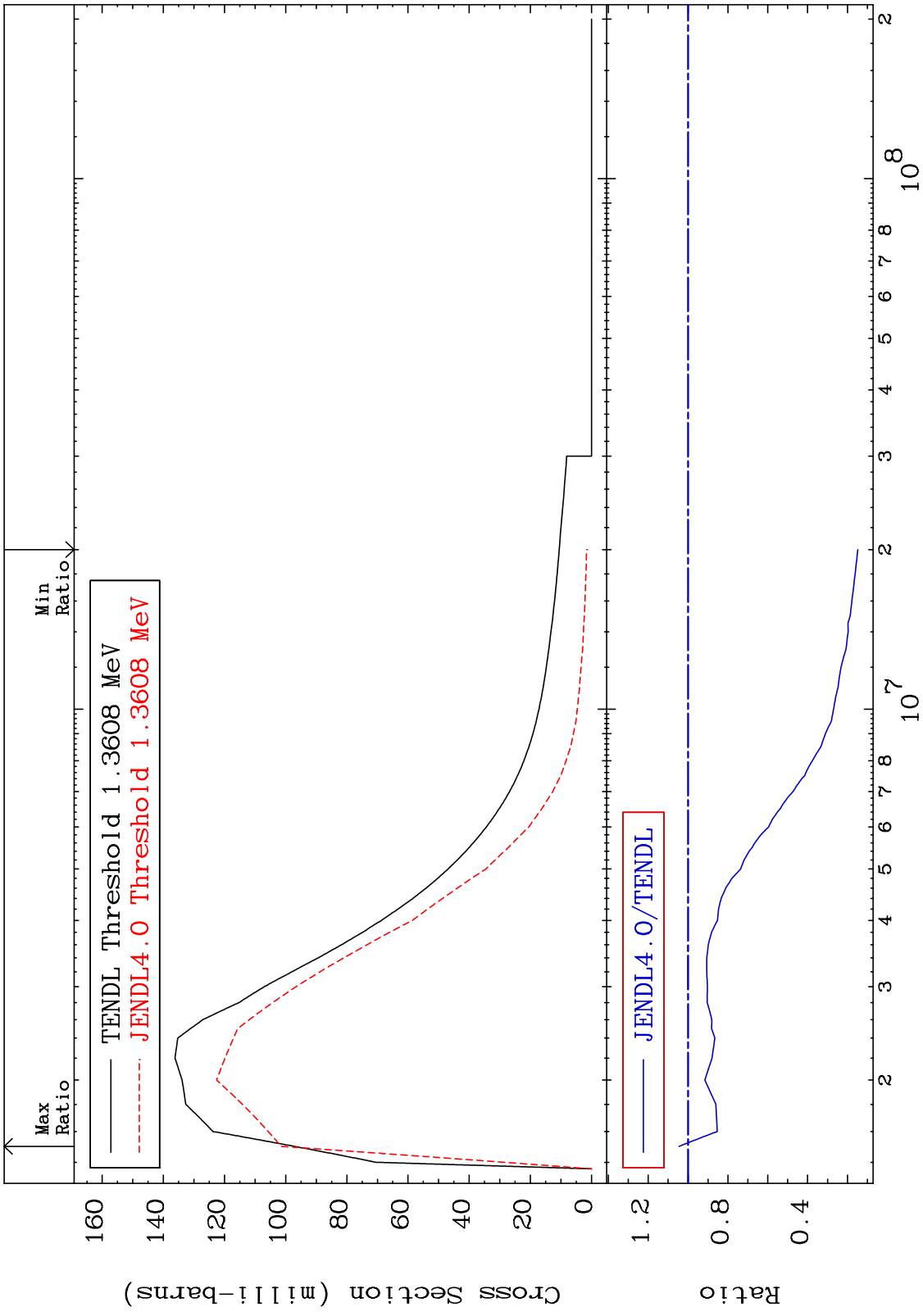
MAT 2828 MT= 54 (n,n') Level Cross Section -16.79 To 9999. % 28-Ni-59



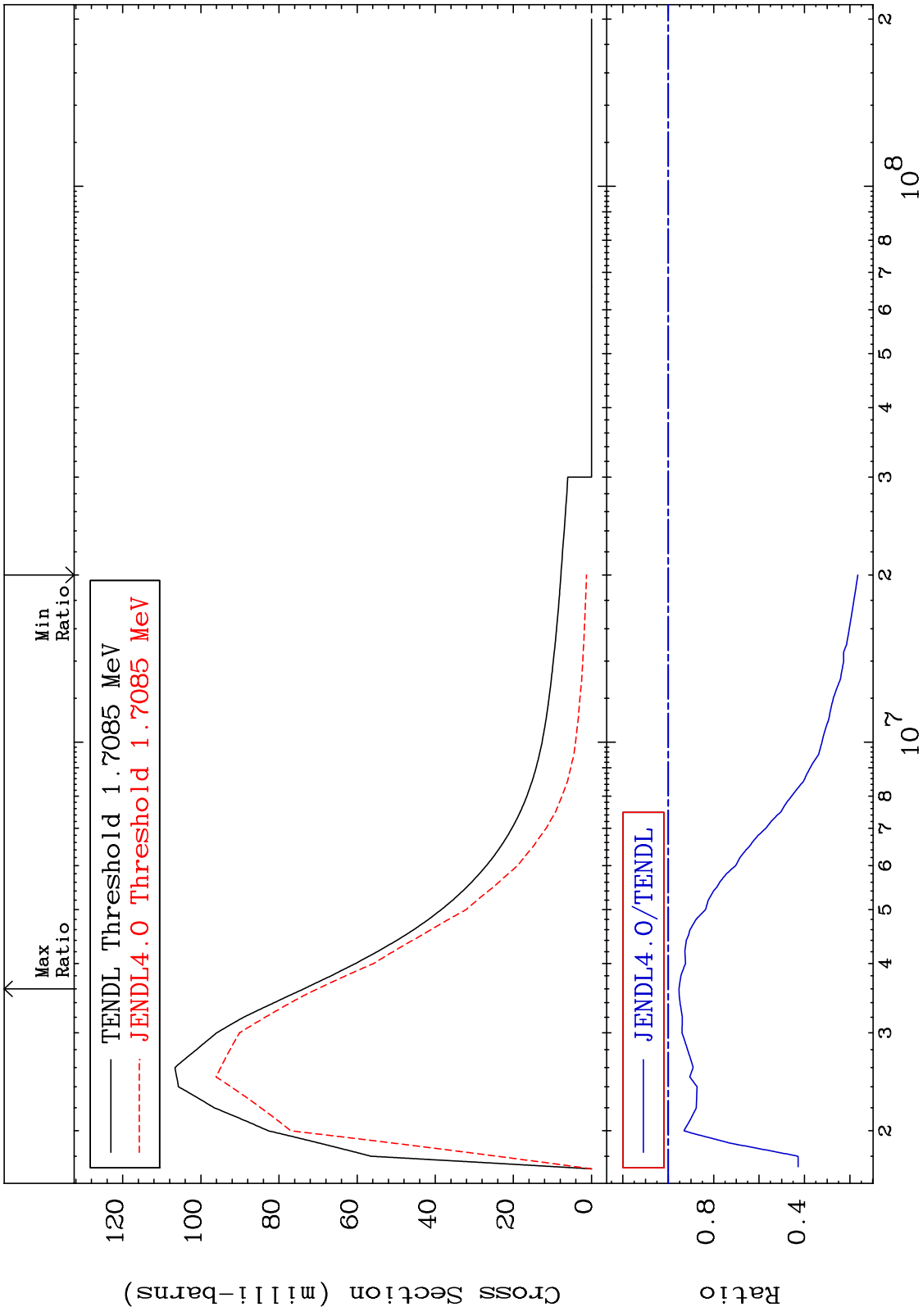
MAT 2828 MT= 55 (n,n') Level Cross Section -81.24 To 1.904 % 28-Ni-59



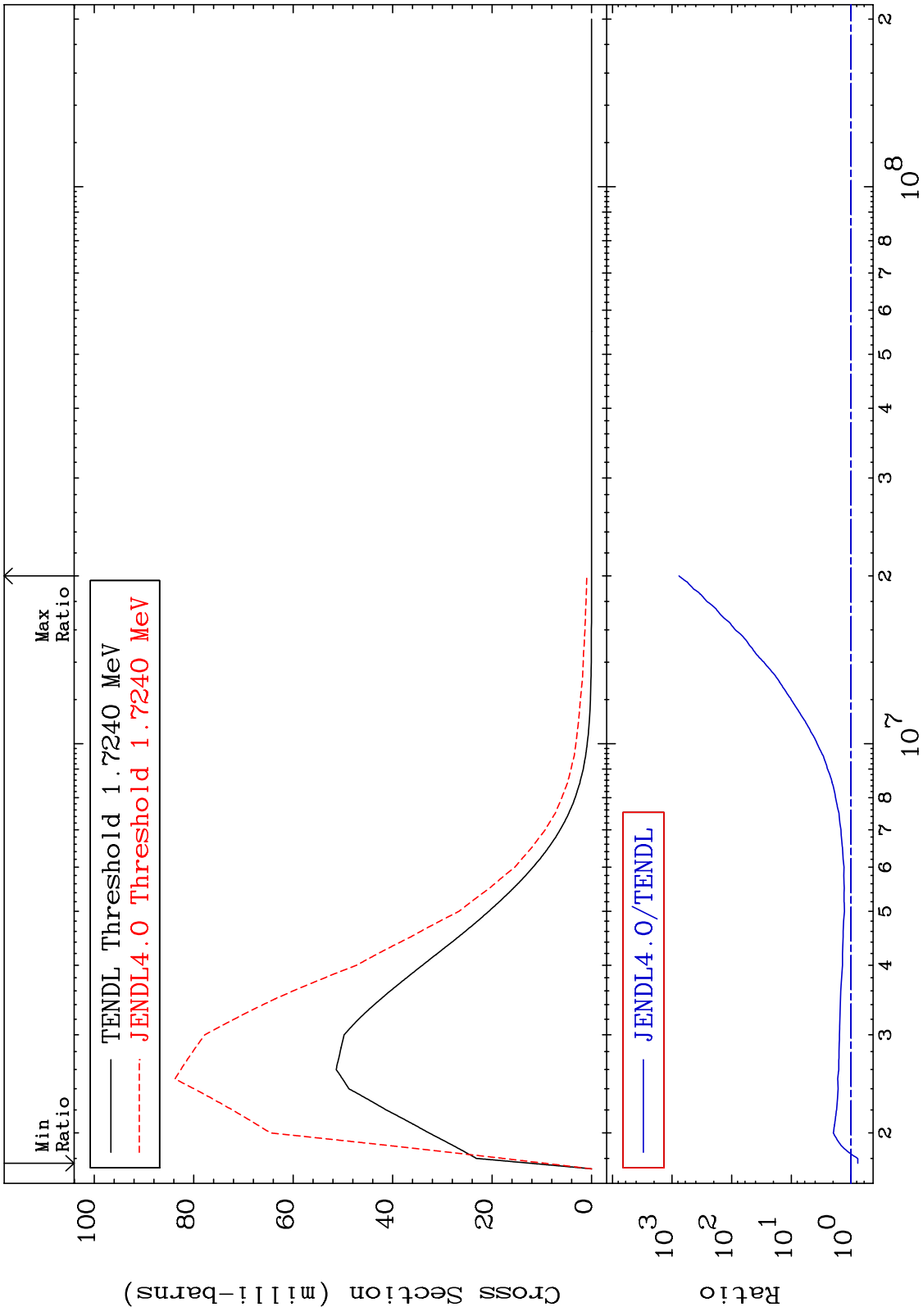
MAT 2828 MT= 56 (n,n') Level Cross Section -85.21 To 4.524 % 28-Ni-59



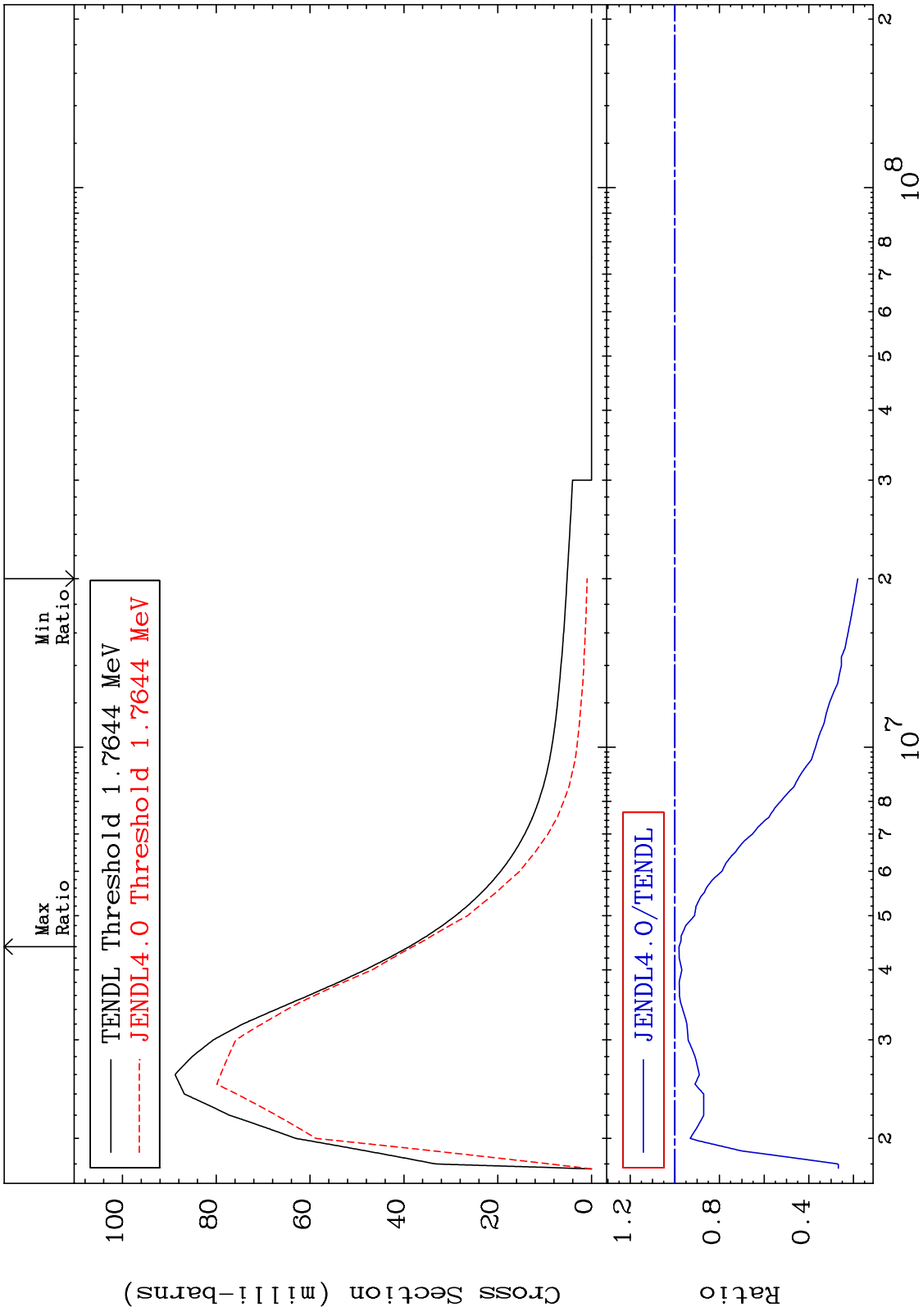
MAT 2828 MT= 57 (n,n') Level Cross Section 28-Ni-59 -83.46 To -4.777%



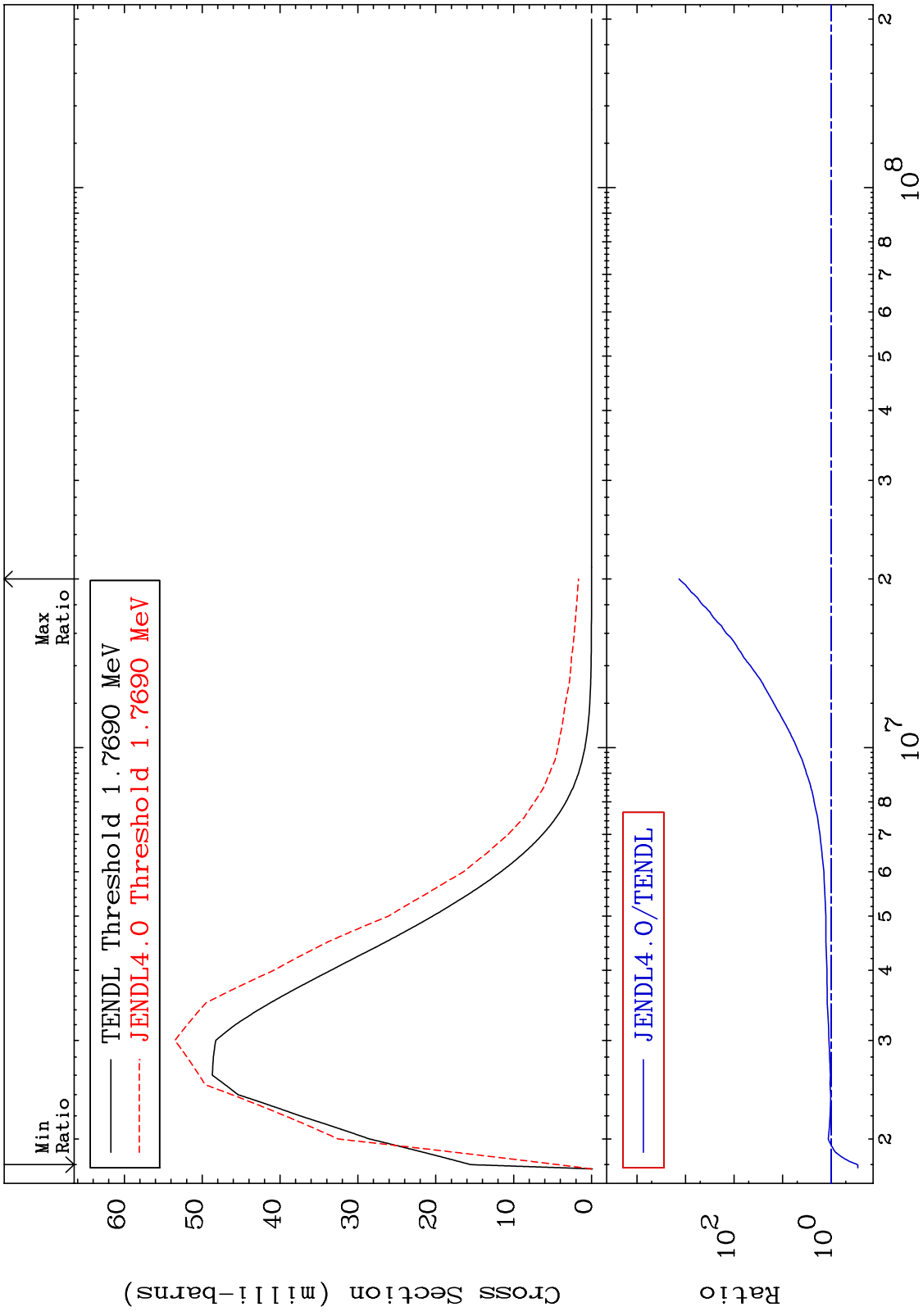
MAT 2828 MT= 58 (n,n') Level Cross Section -23.19 To 9999. % 28-Ni-59



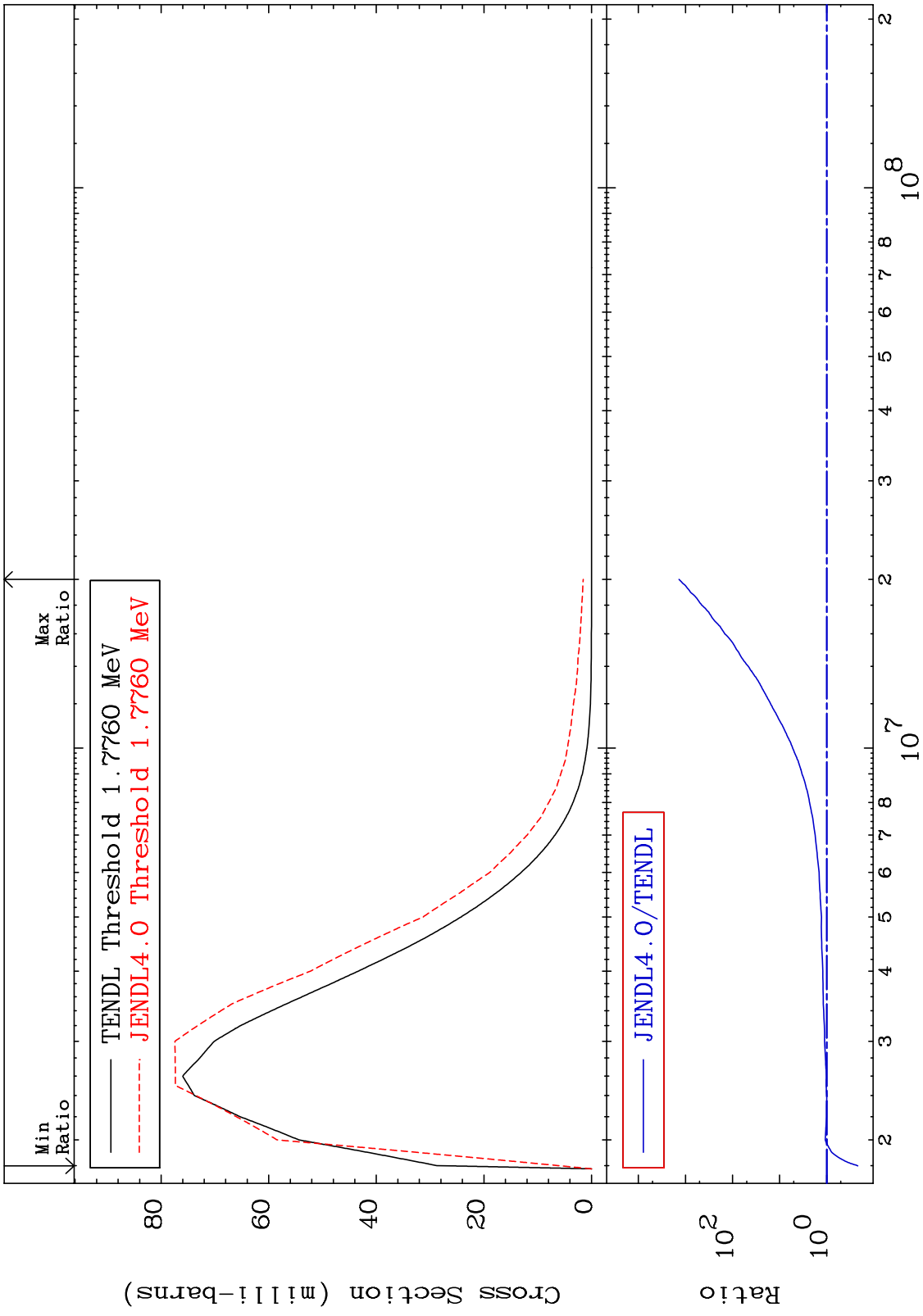
MAT 2828 MT= 59 (n,n') Level Cross Section 28-Ni-59 -81.98 To -1.871%



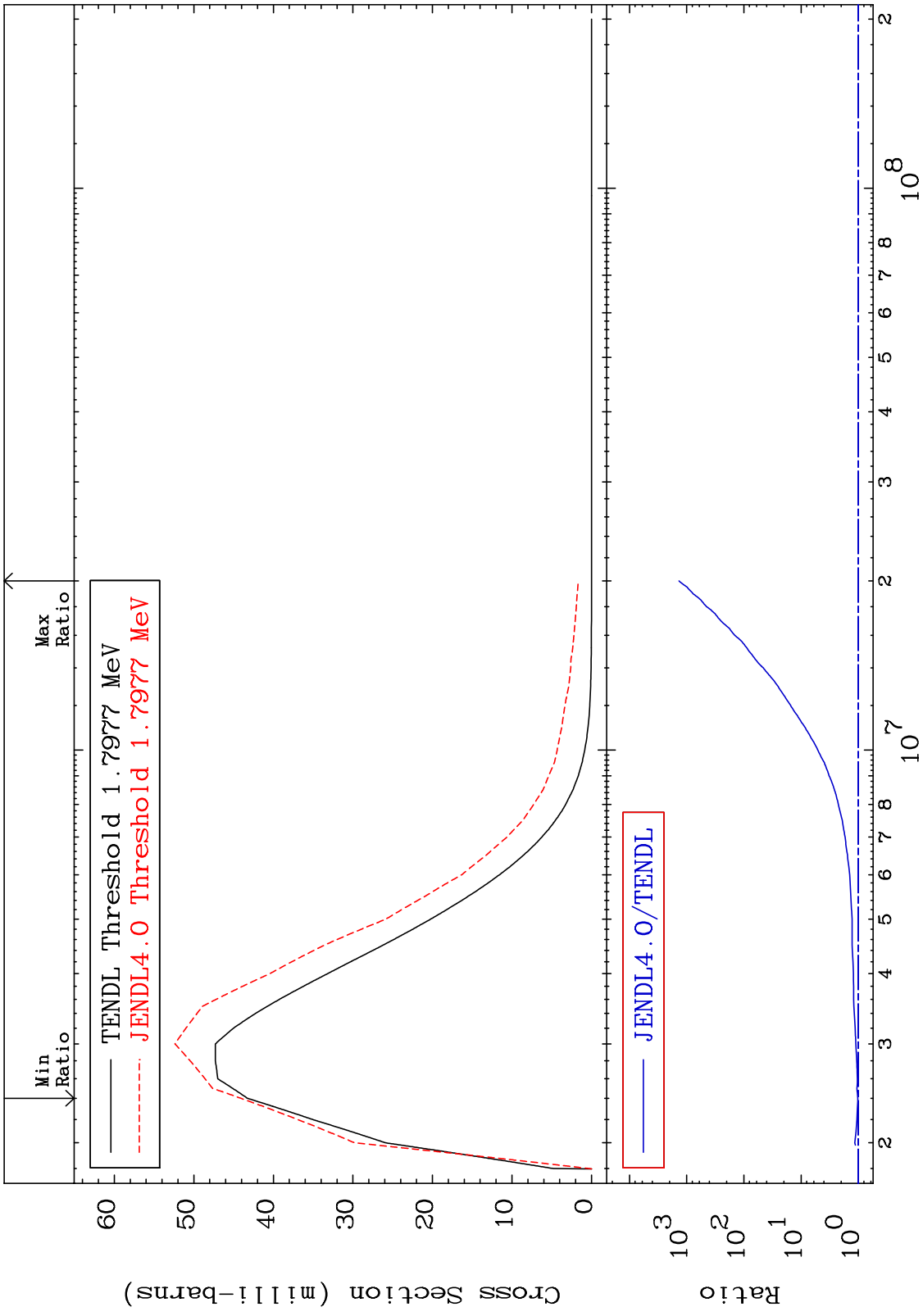
MAT 2828 MT= 60 (n,n') Level Cross Section -71.87 To 9999. % 28-Ni-59



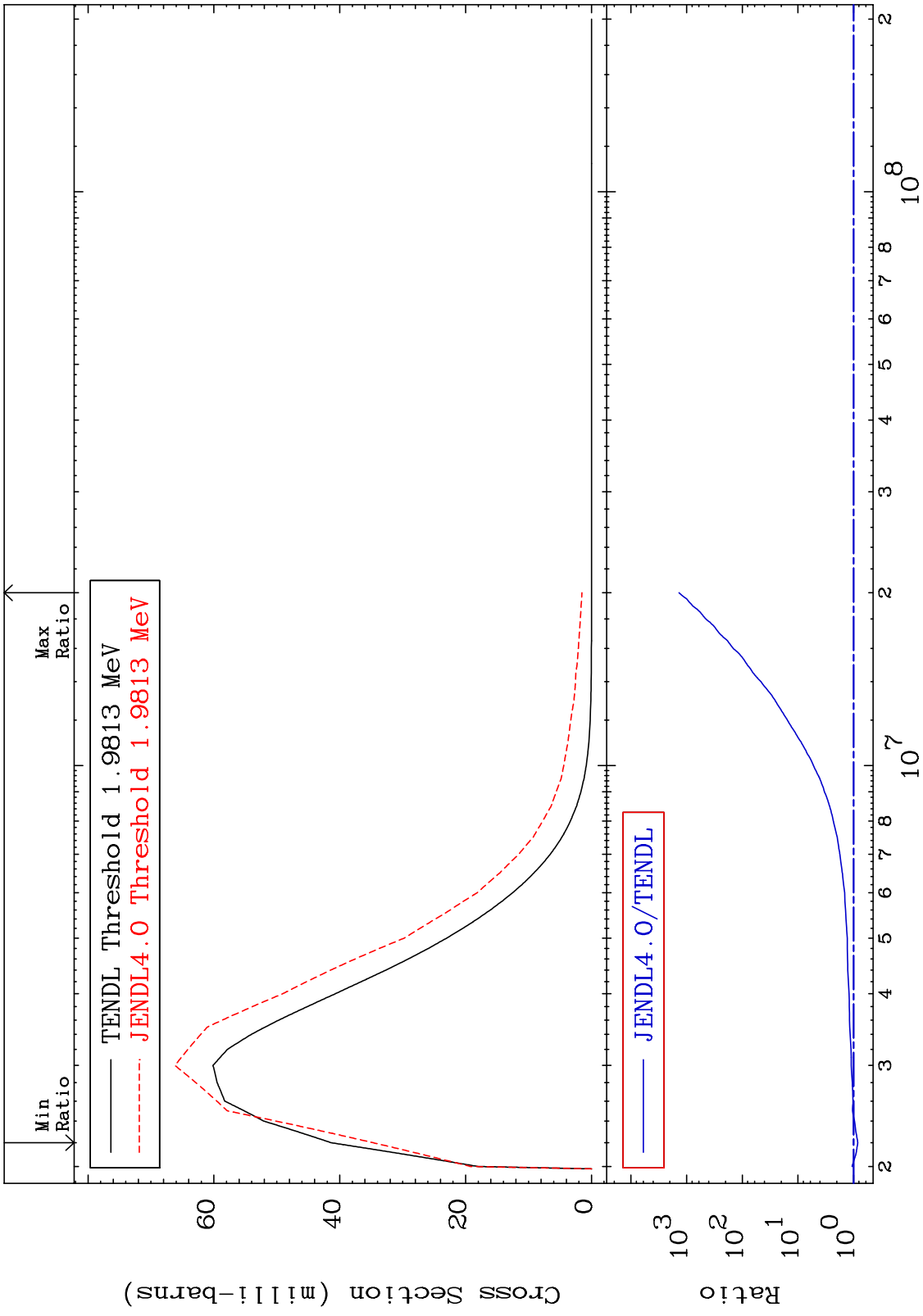
MAT 2828 MT= 61 (n,n') Level 28-Ni-59
 Cross Section -78.24 To 9999. %



MAT 2828 MT= 62 (n,n') Level Cross Section 28-Ni-59 To 9999. %
 1.898

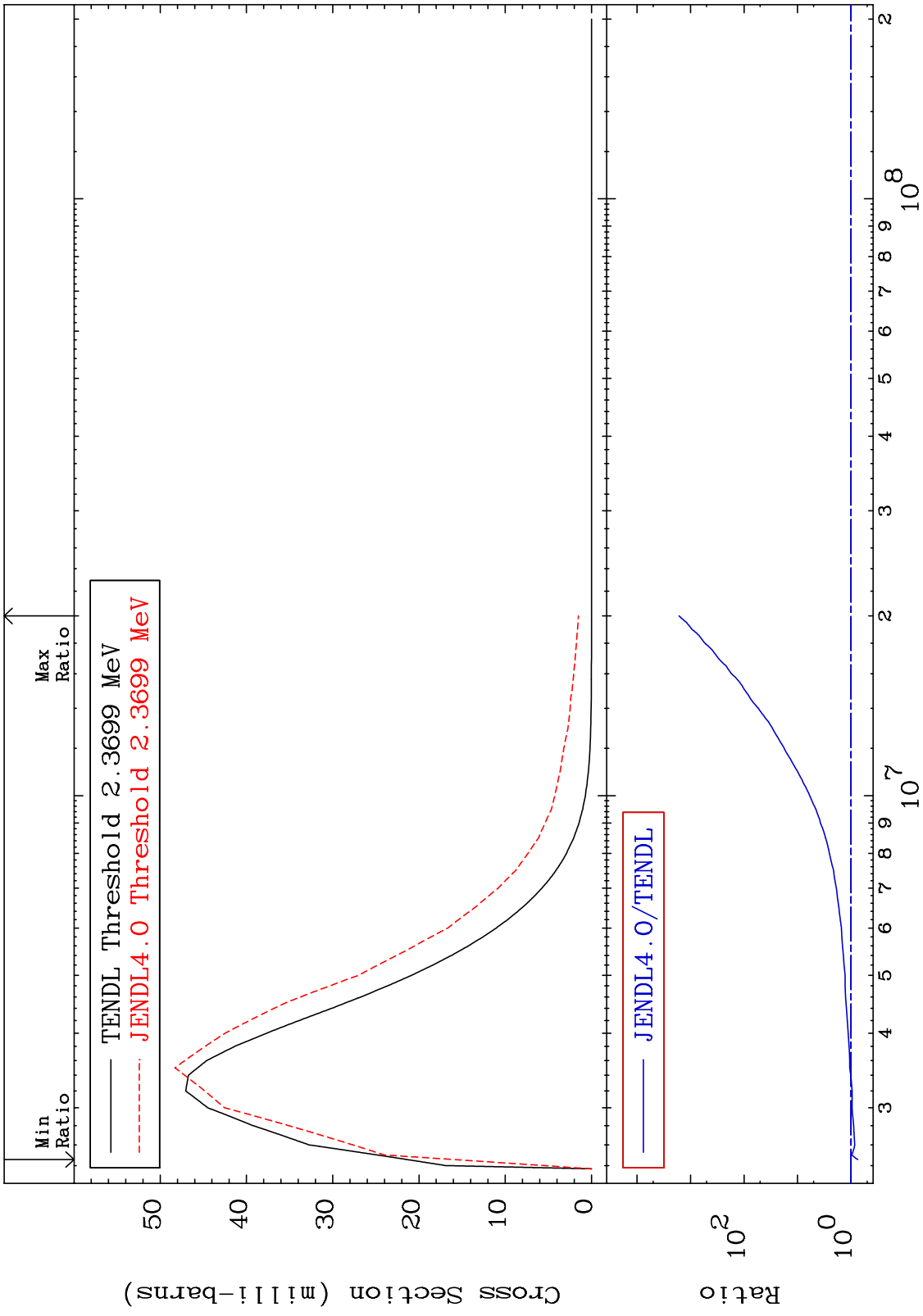


MAT 2828 MT= 63 (n,n') Level Cross Section -16.12 To 9999. % 28-Ni-59

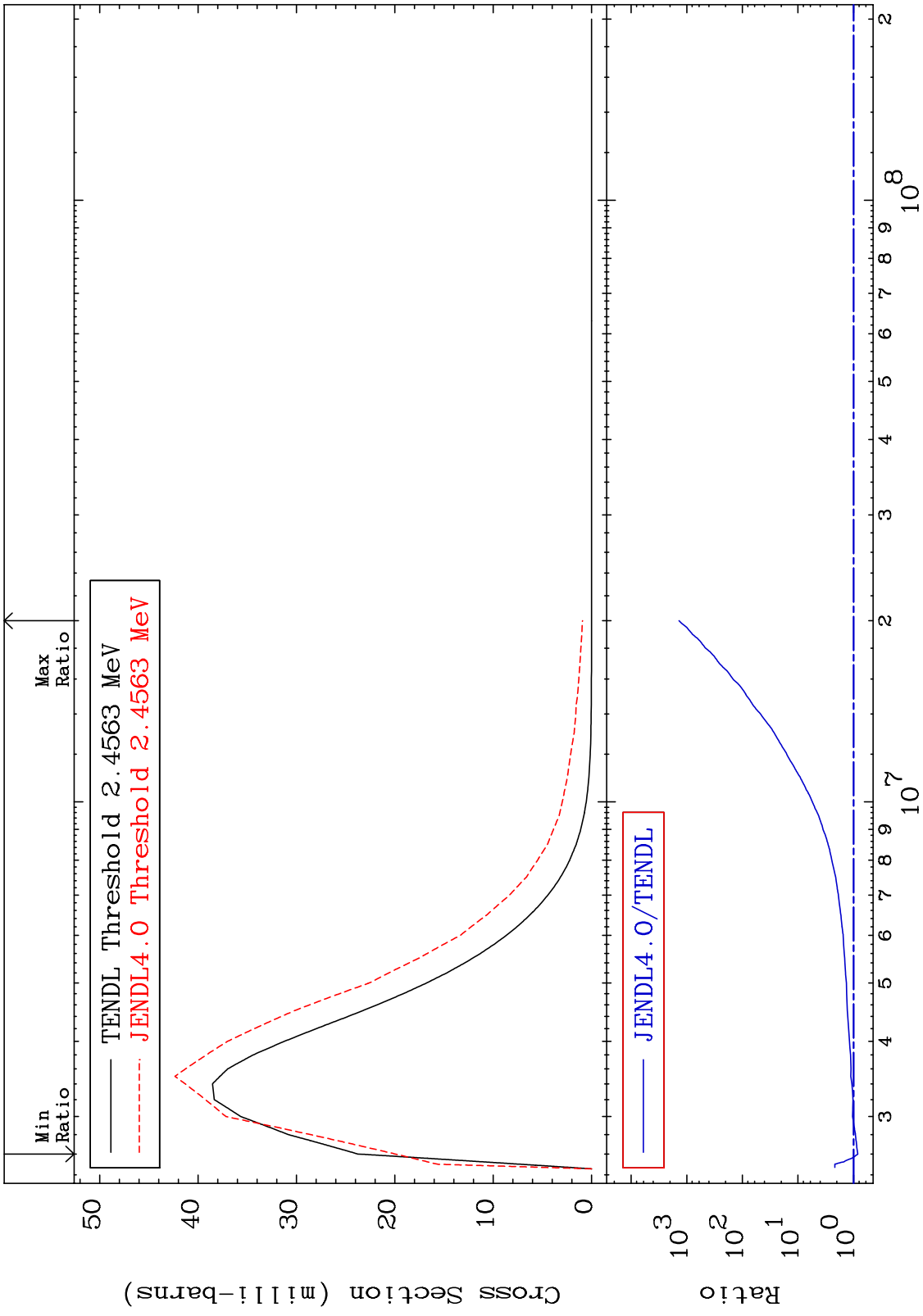


20 Incident Energy (eV) 28-Ni-59

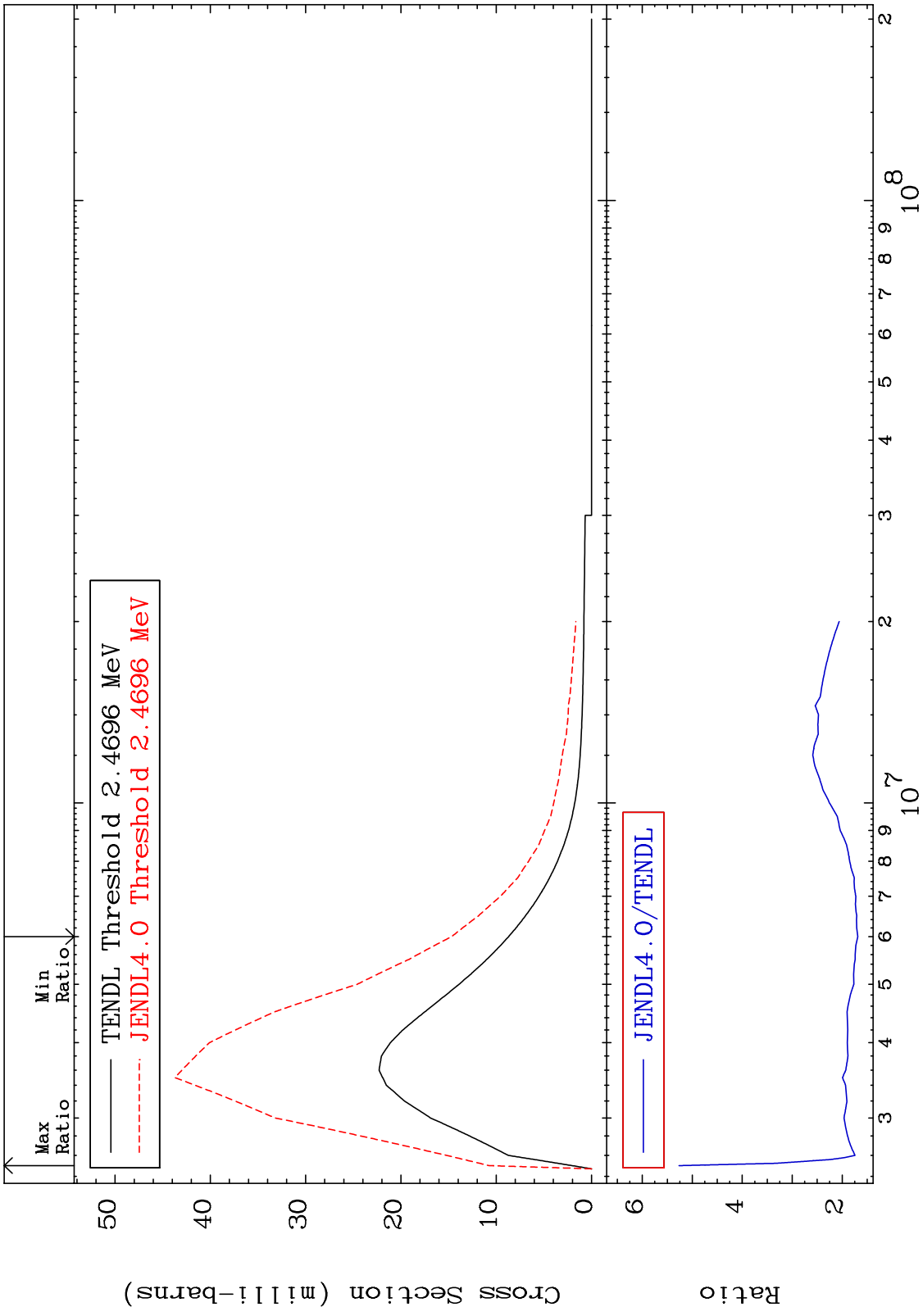
MAT 2828 MT= 64 (n,n') Level Cross Section -25.49 To 9999. % 28-Ni-59



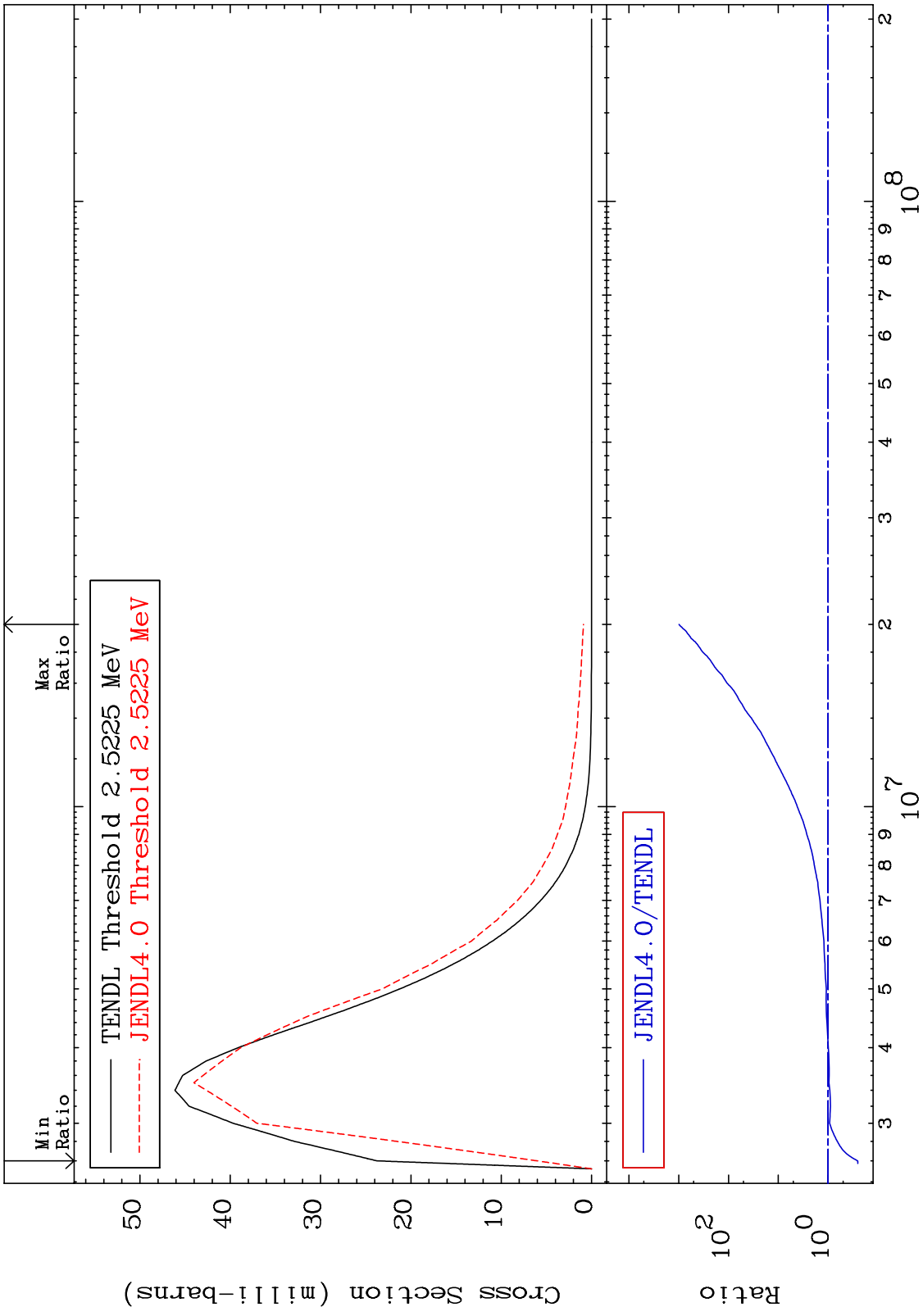
MAT 2828 MT= 65 (n,n') Level Cross Section -15.99 To 9999. % 28-Ni-59



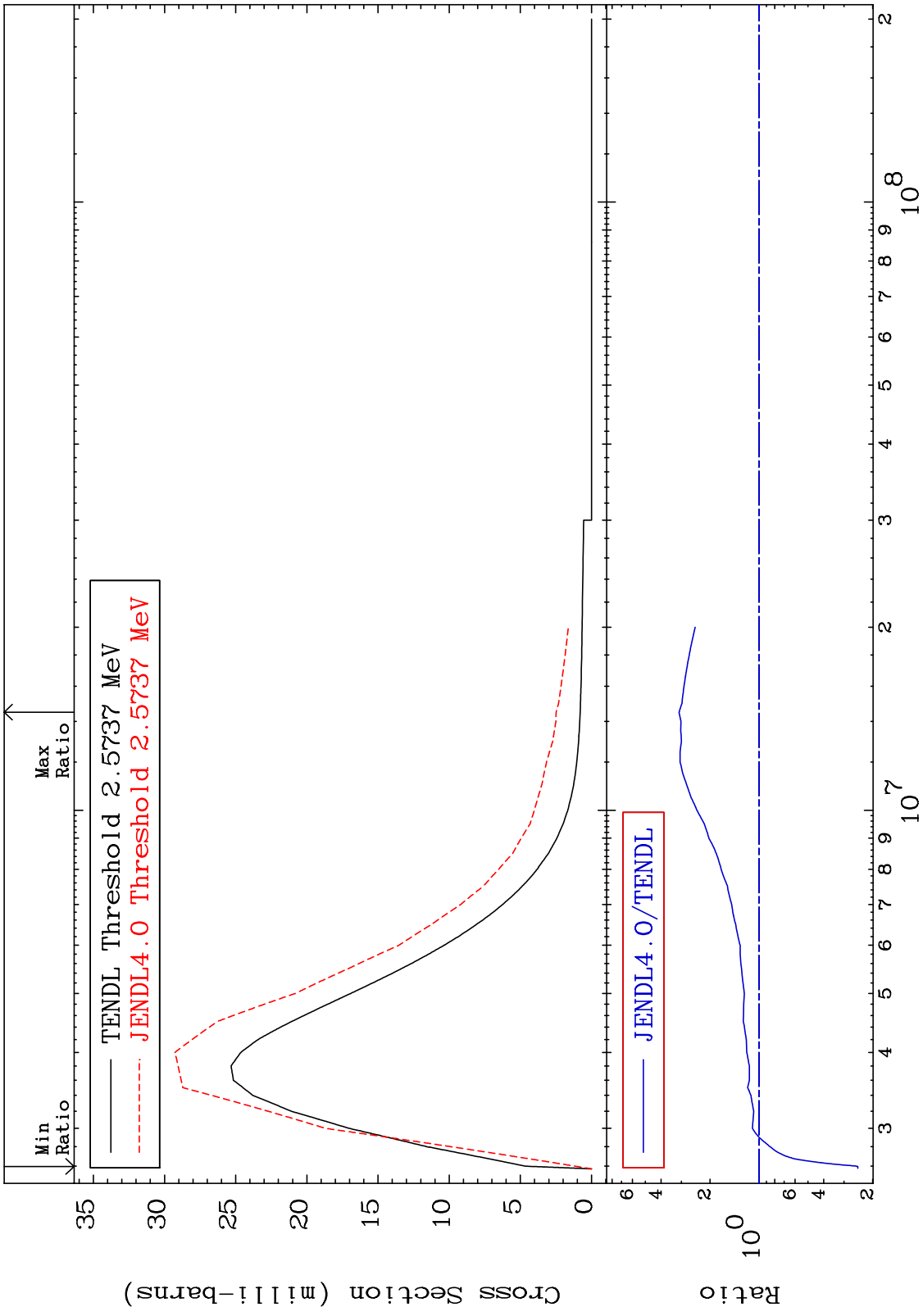
MAT 2828 MT= 66 (n,n') Level Cross Section 28-Ni-59 68.68 To 426.5 %



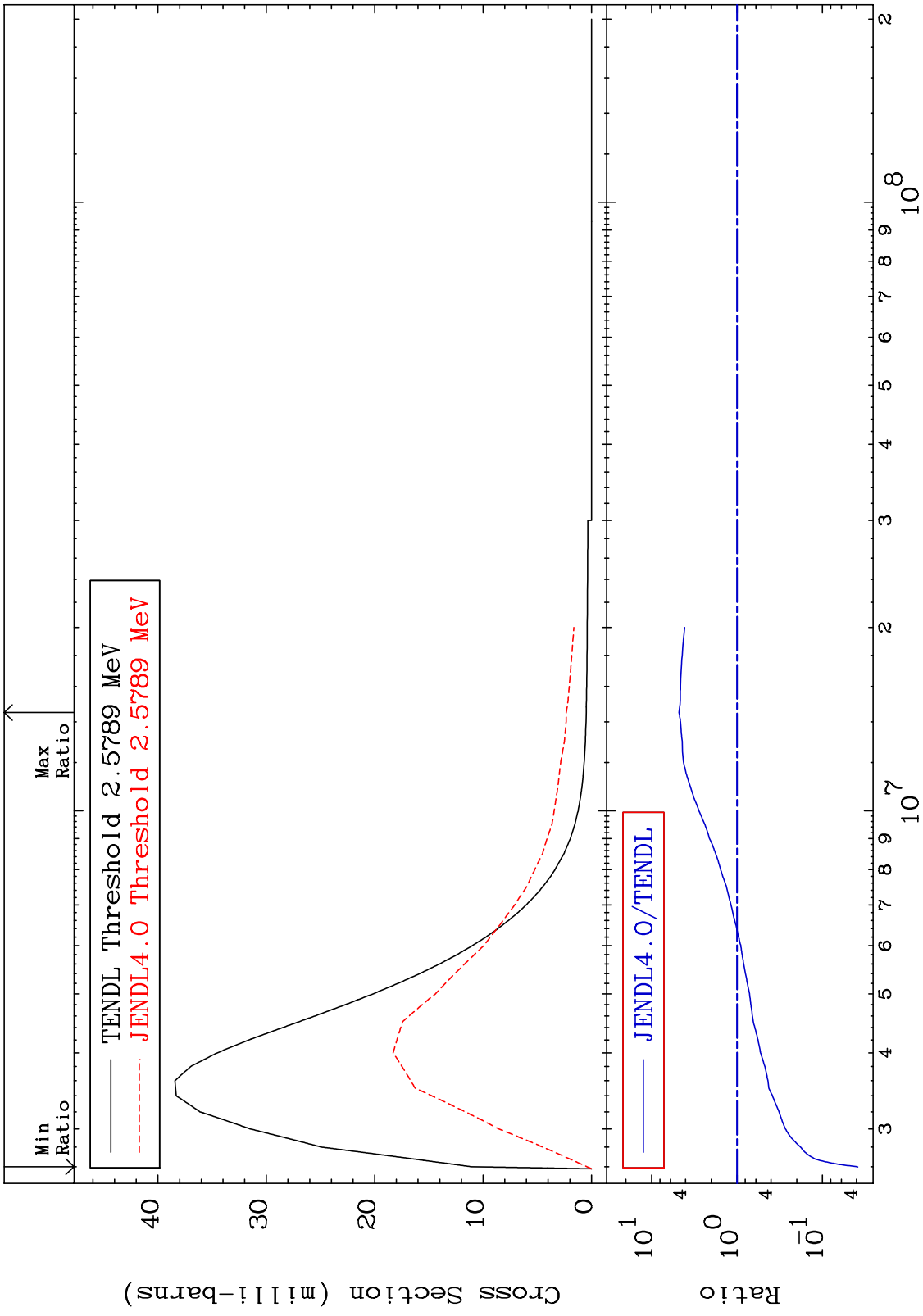
MAT 2828 MT= 67 (n,n') Level Cross Section -74.67 To 9999. % 28-Ni-59



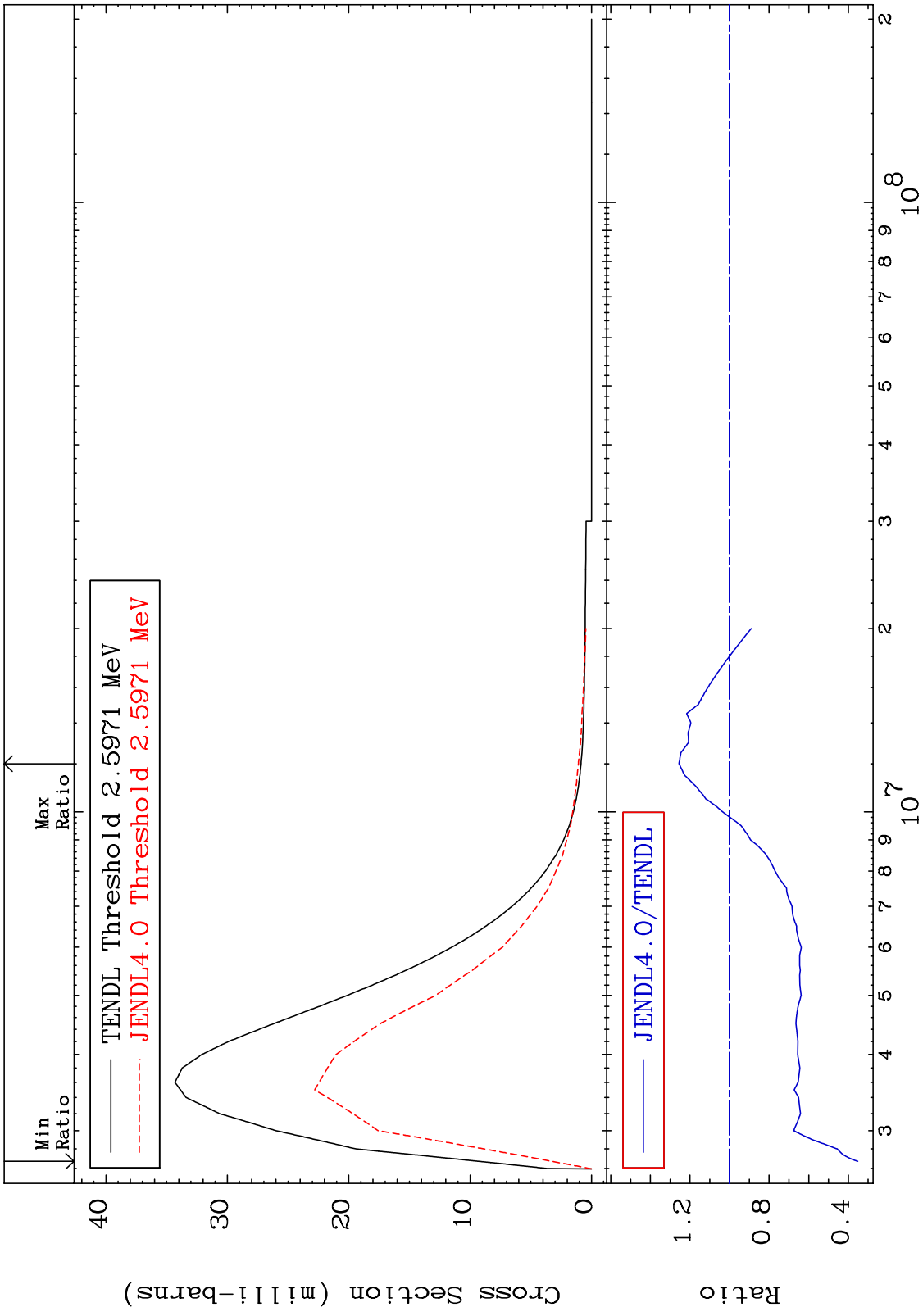
MAT 2828 MT= 68 (n,n') Level Cross Section -75.33 To 210.0 % 28-Ni-59



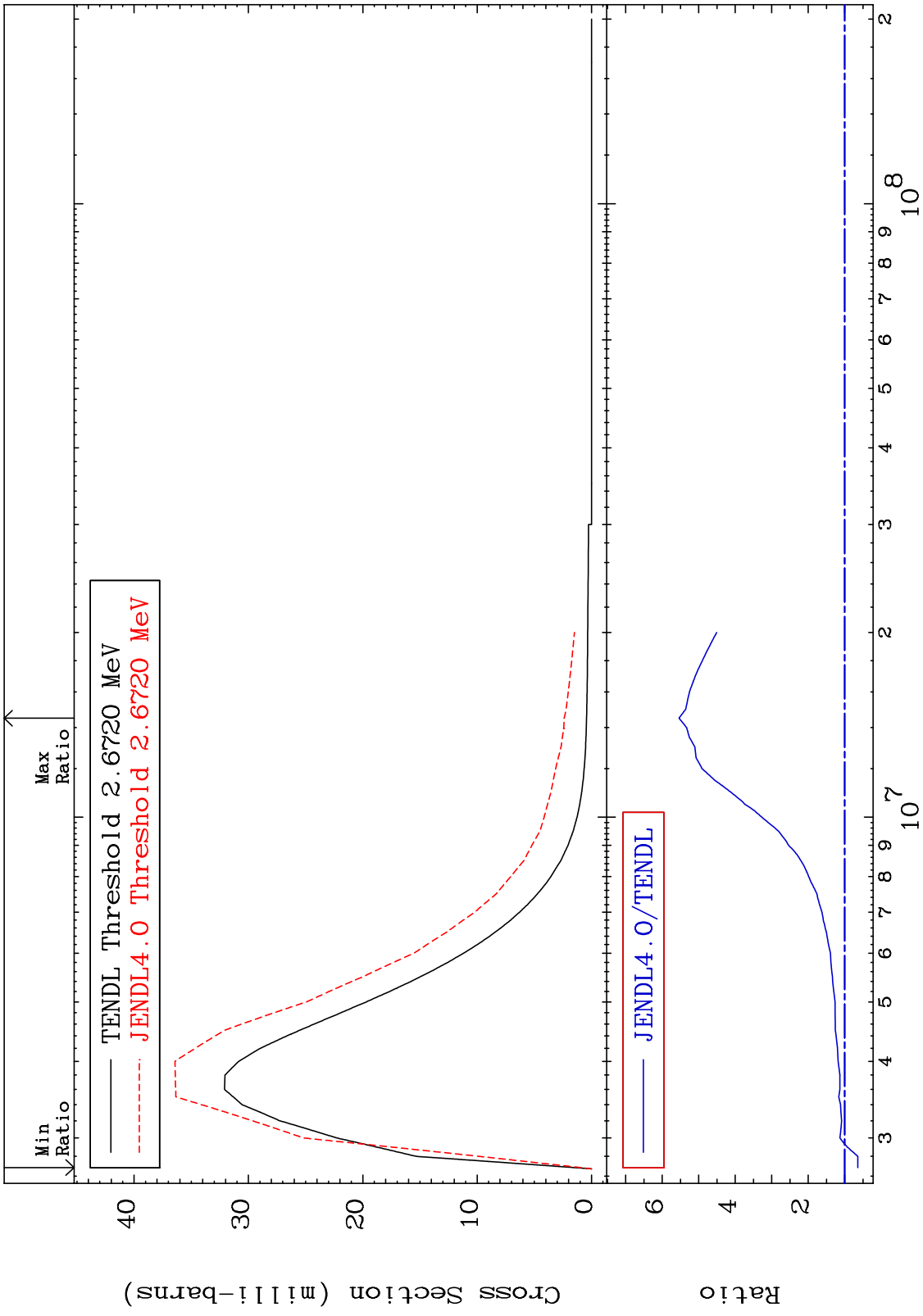
MAT 2828 MT= 69 (n,n') Level Cross Section -96.15 To 377.0 % 28-Ni-59



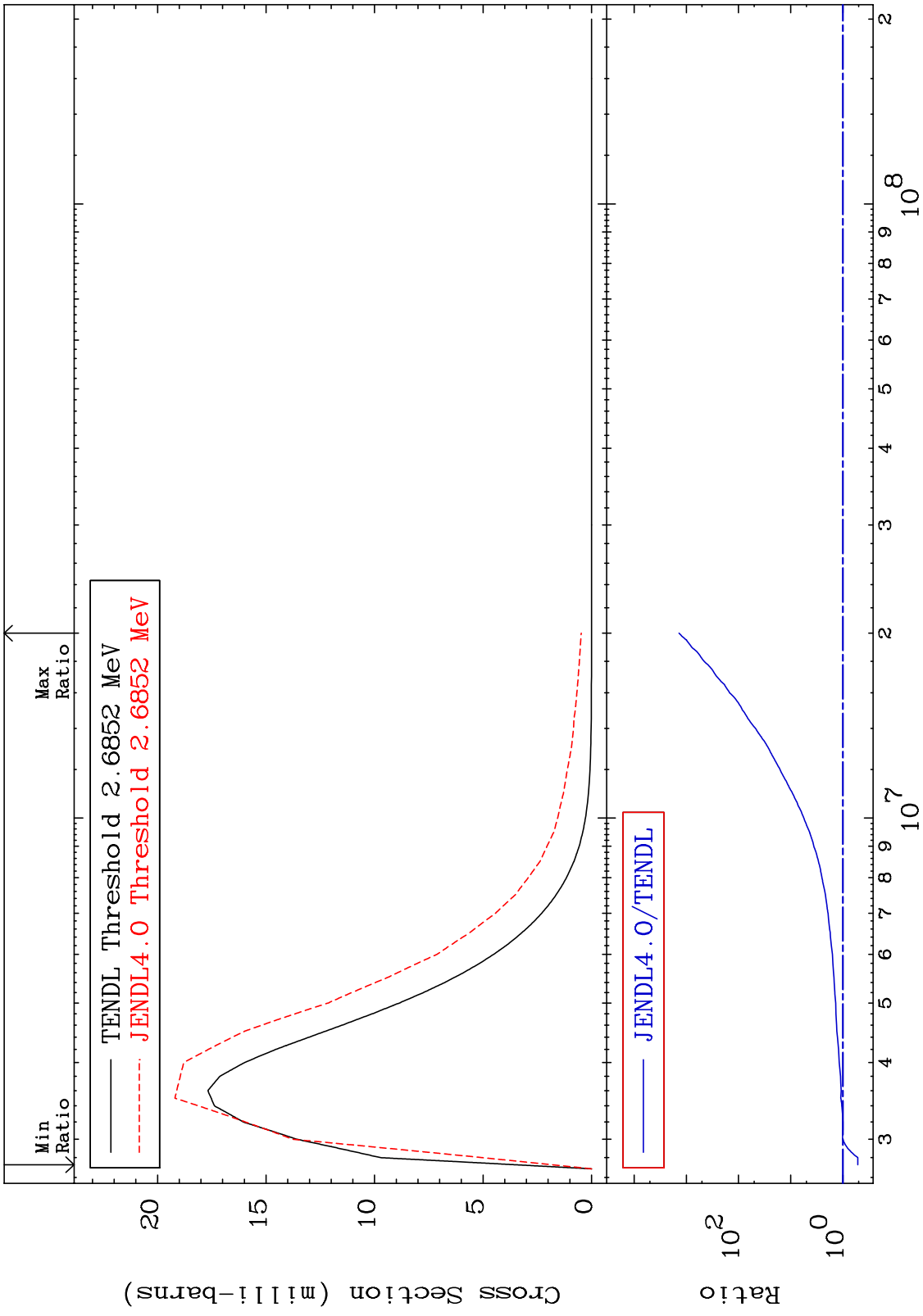
MAT 2828 MT= 70 (n,n') Level Cross Section -64.80 To 25.51 % 28-Ni-59



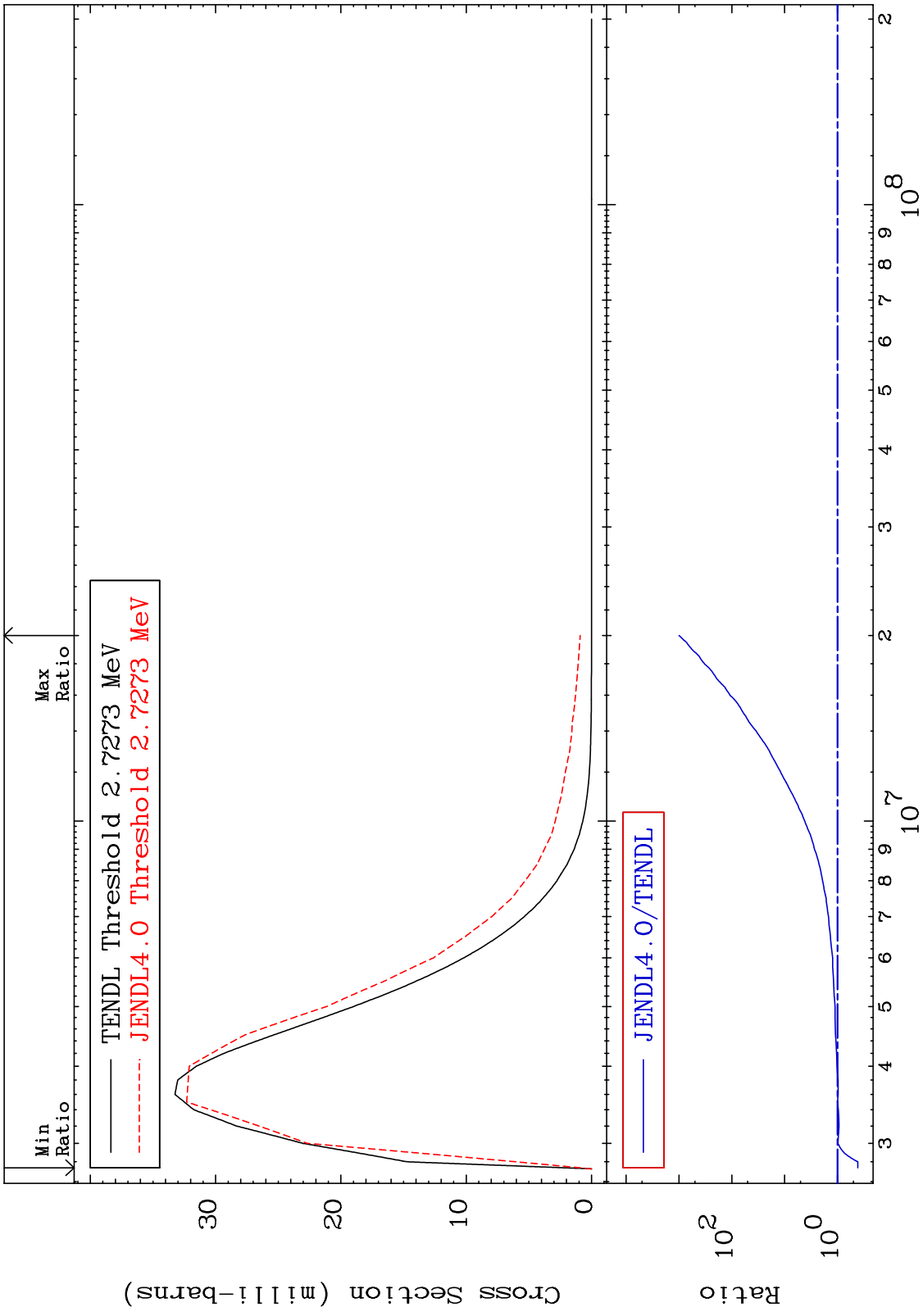
MAT 2828 MT= 71 (n,n') Level Cross Section 28-Ni-59 -35.94 To 453.8 %



MAT 2828 MT= 72 (n,n') Level Cross Section -48.33 To 9999. % 28-Ni-59

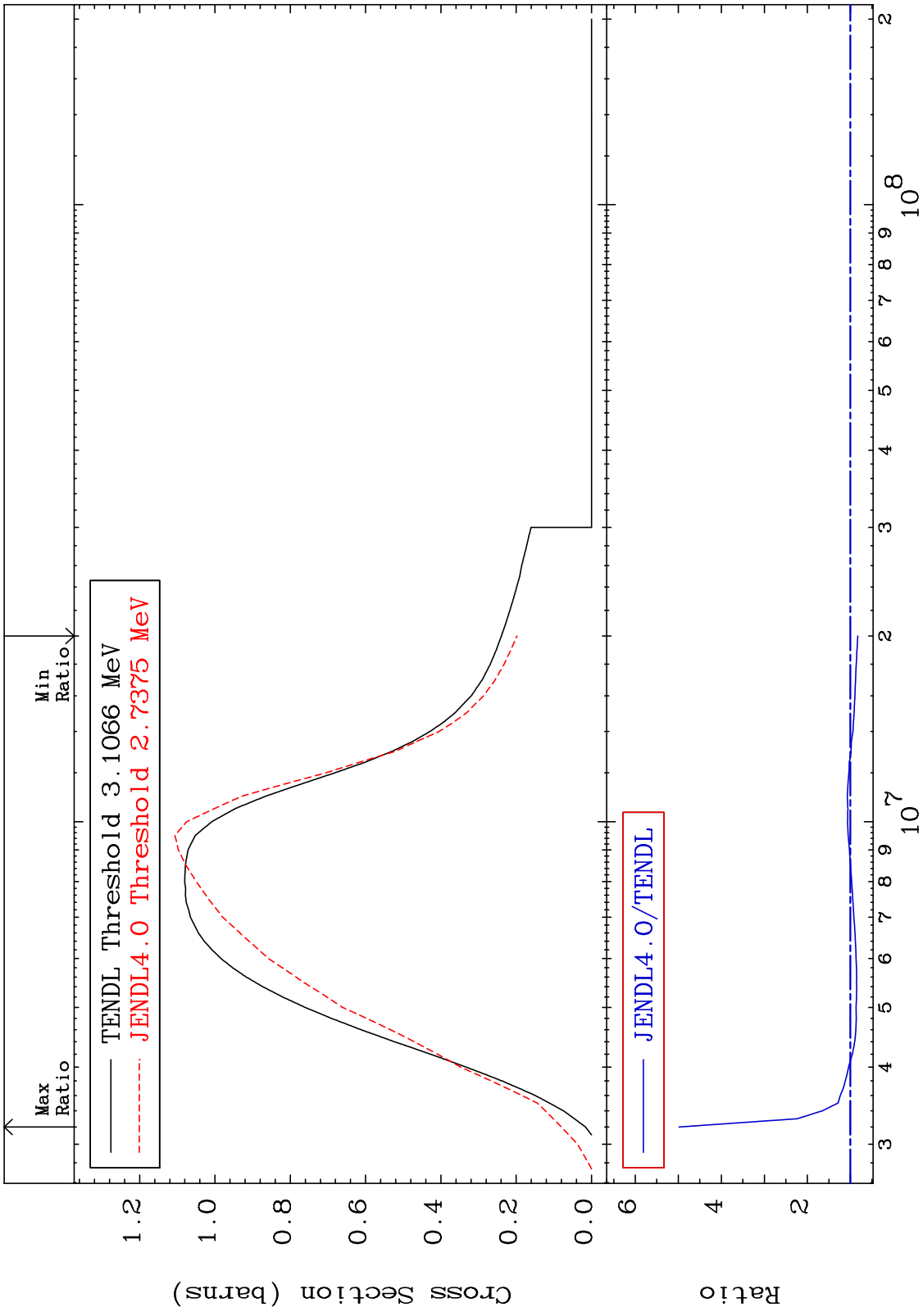


MAT 2828 MT= 73 (n,n') Level Cross Section -58.89 To 9999. % 28-Ni-59



30 28-Ni-59

MAT 2828 (n,n') Continuum Cross Section -17.23 To 398.2 % 28-Ni-59



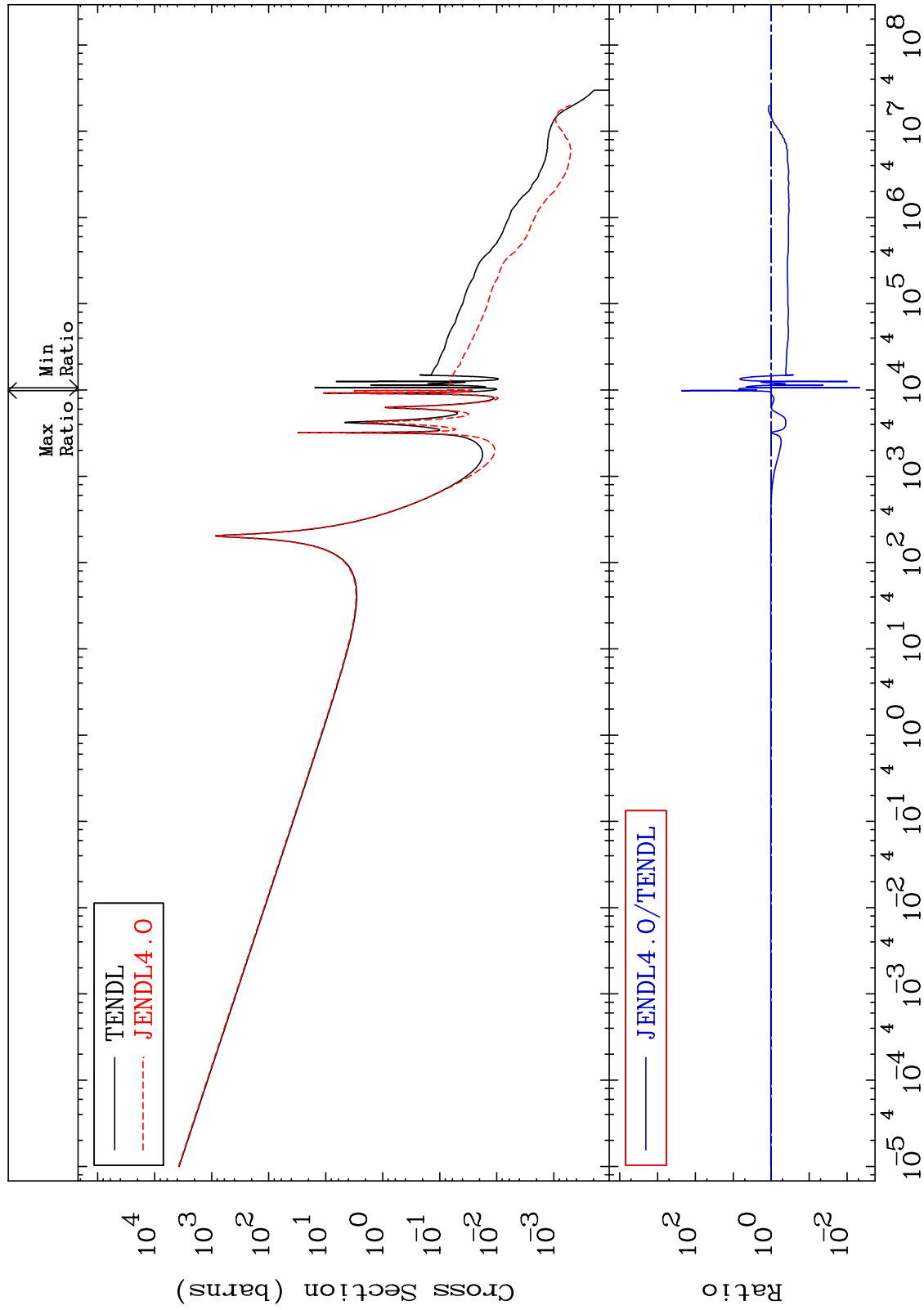
MAT 2828

(n, γ)

28-Ni-59

Cross Section

-99.54 To 9999. %



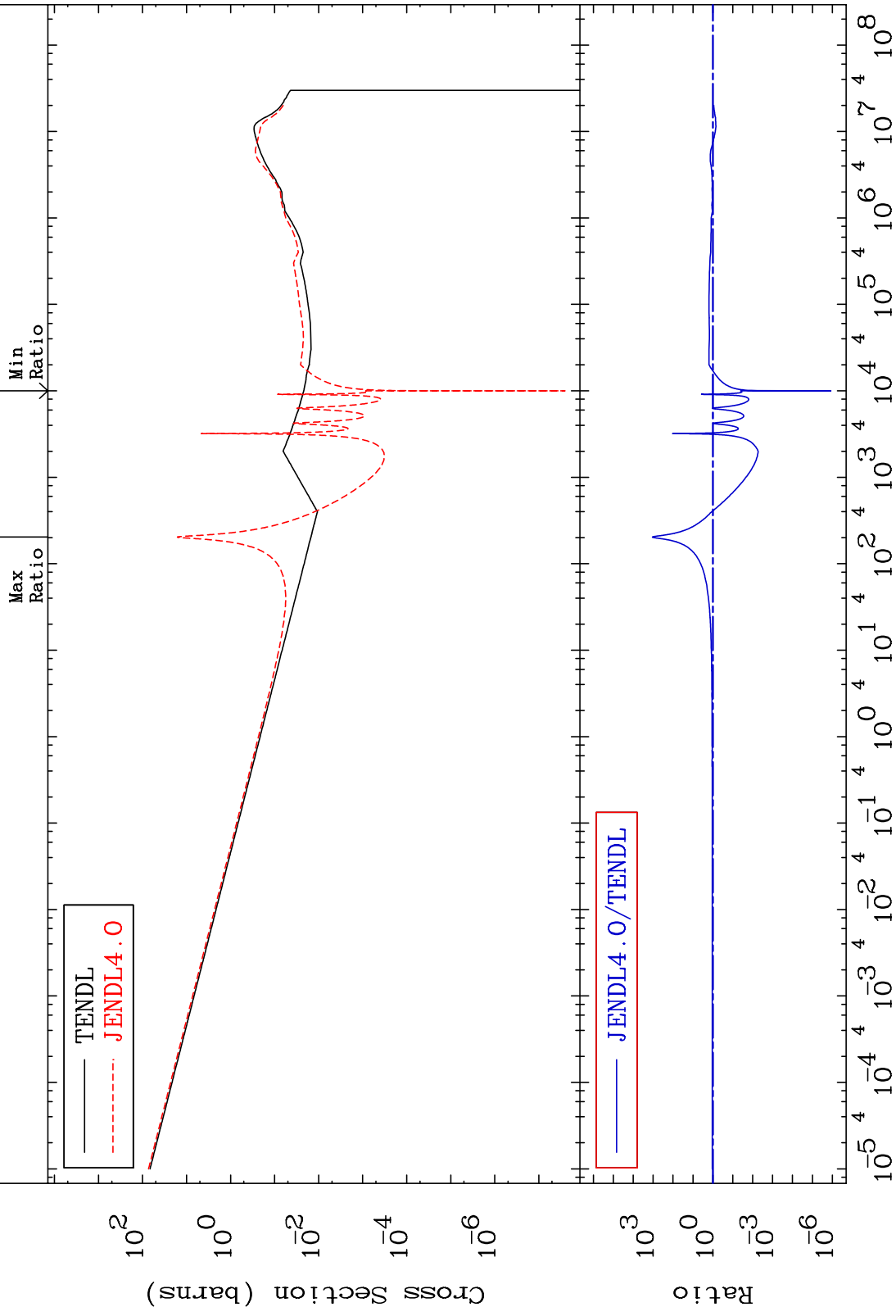
MAT 2828

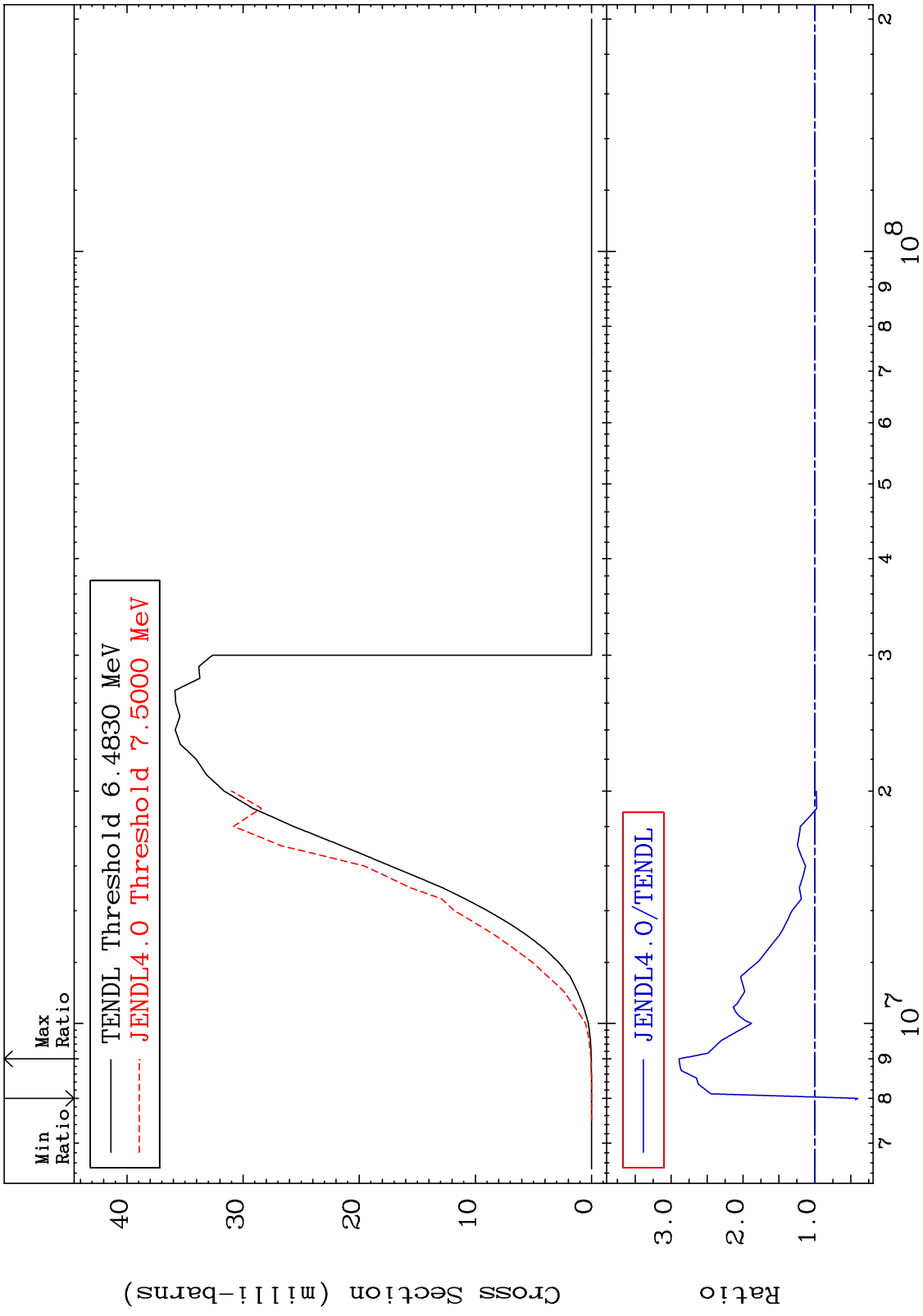
(n,p)

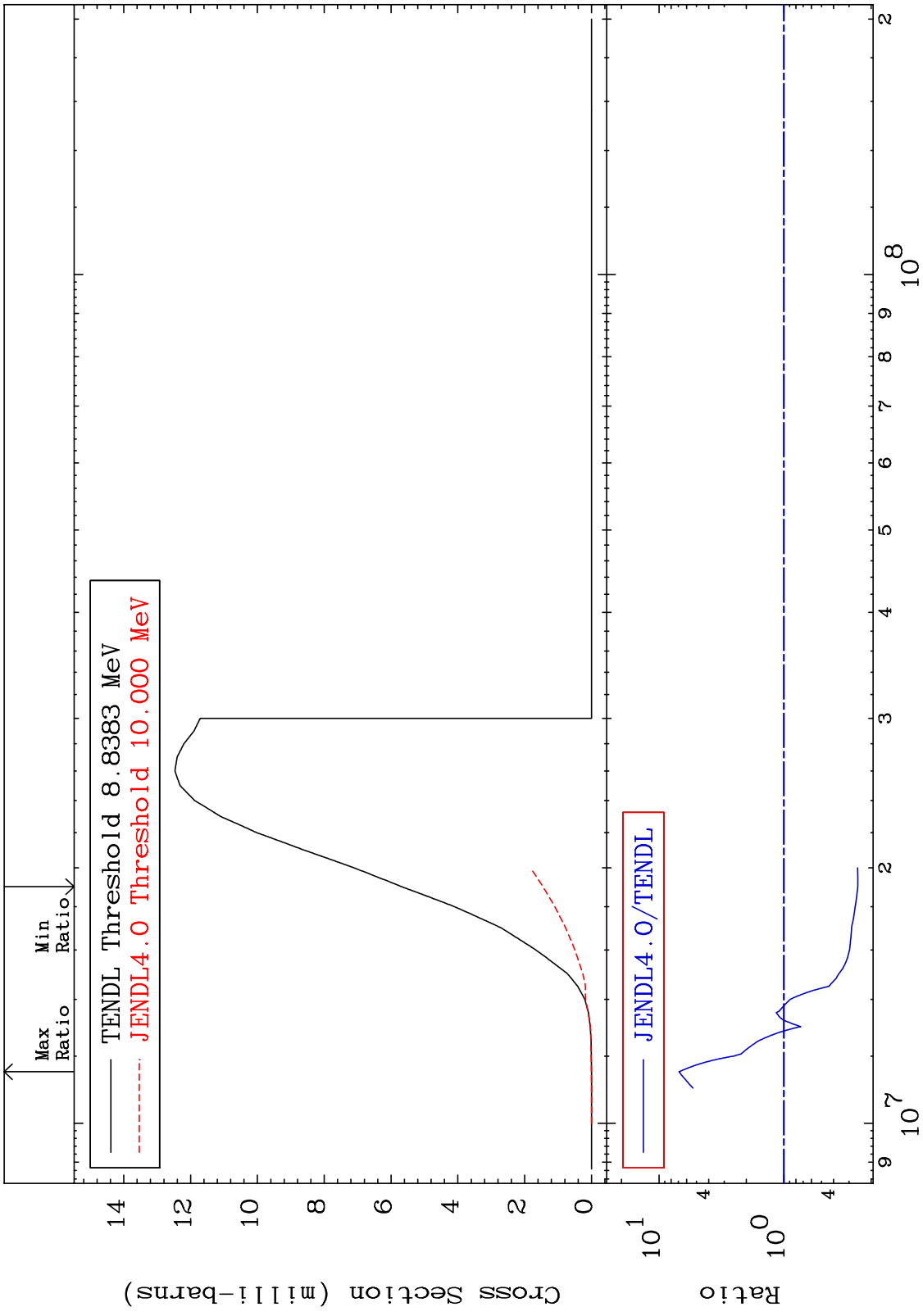
28-Ni-59

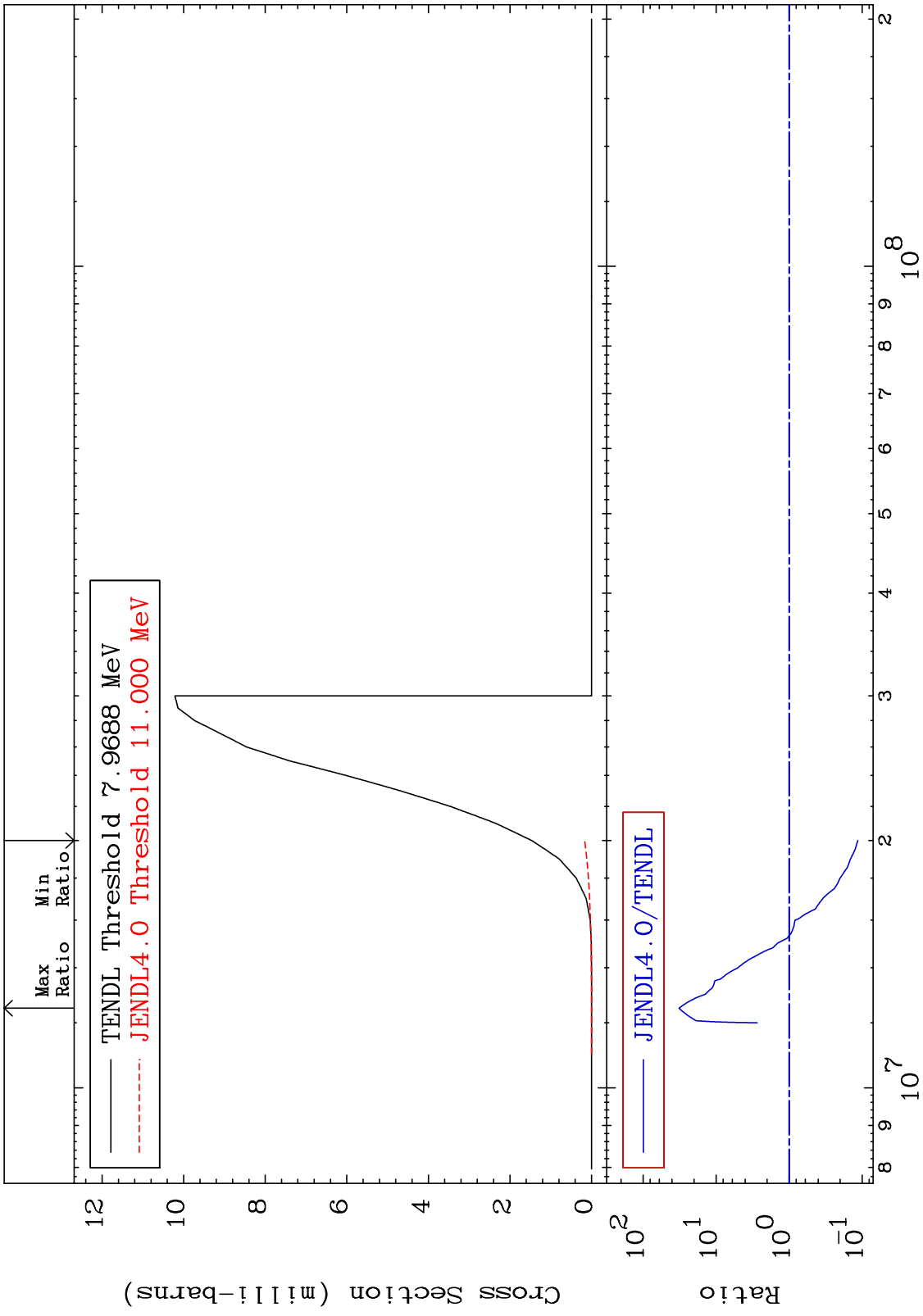
-100.0 To 9999. %

Cross Section









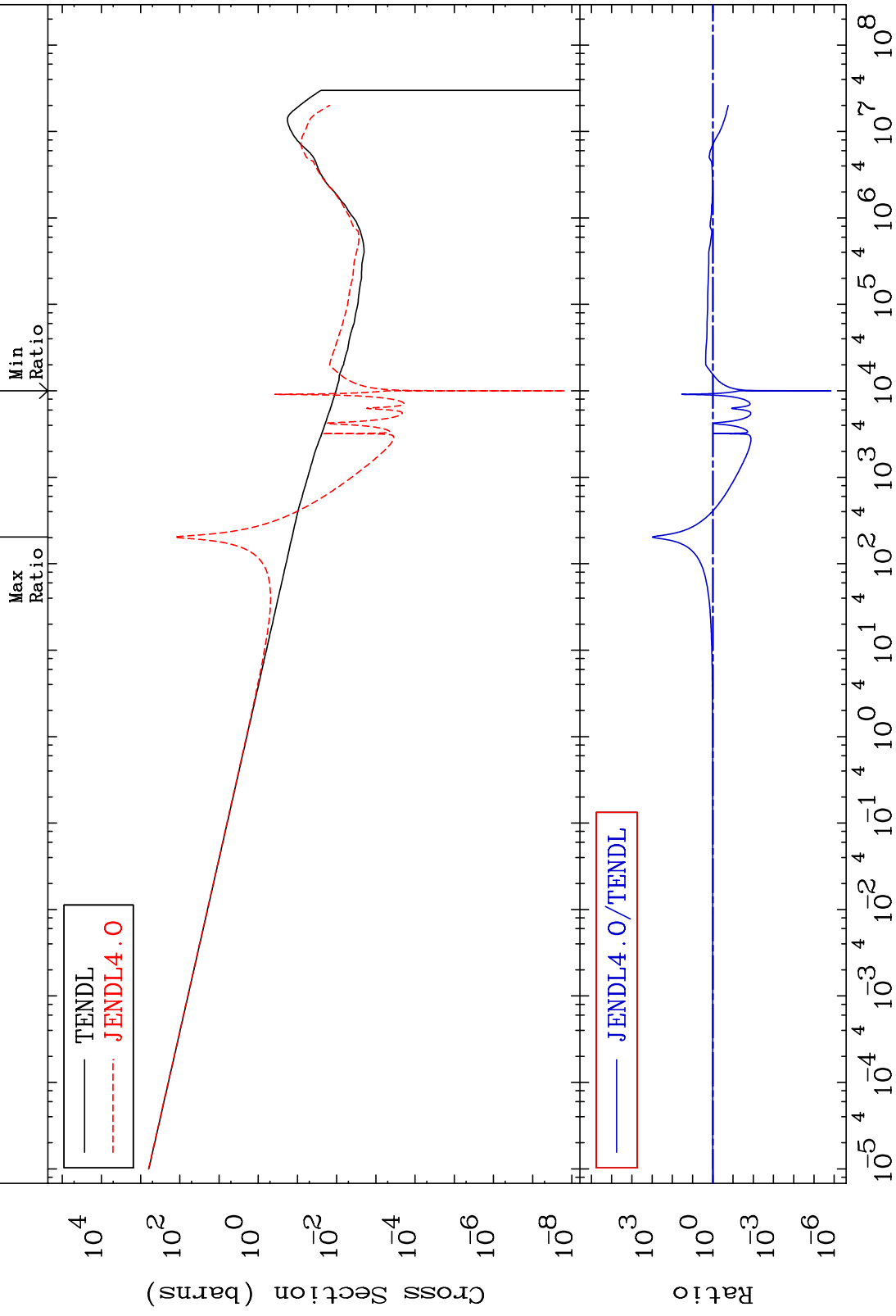
MAT 2828

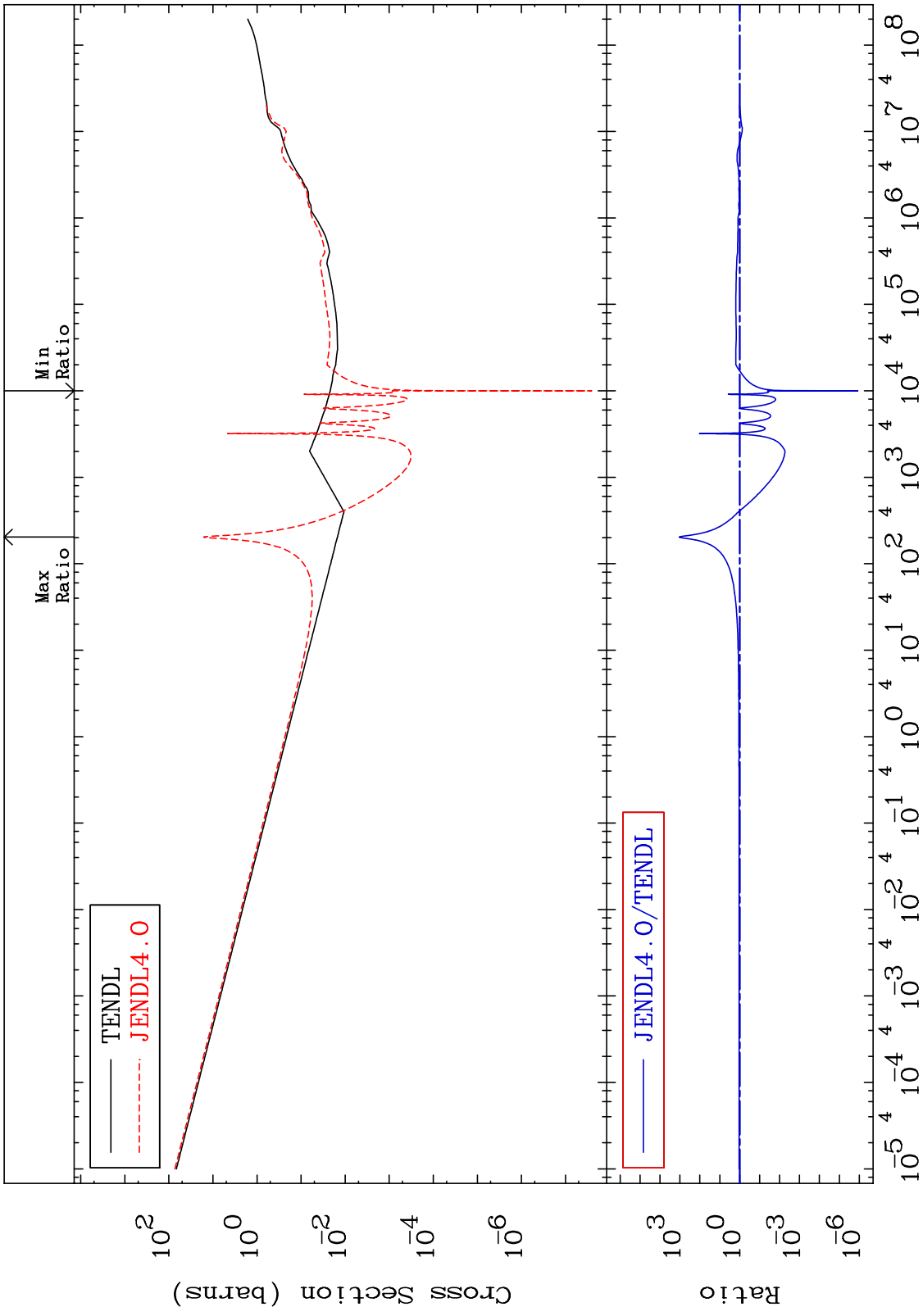
(n, α)

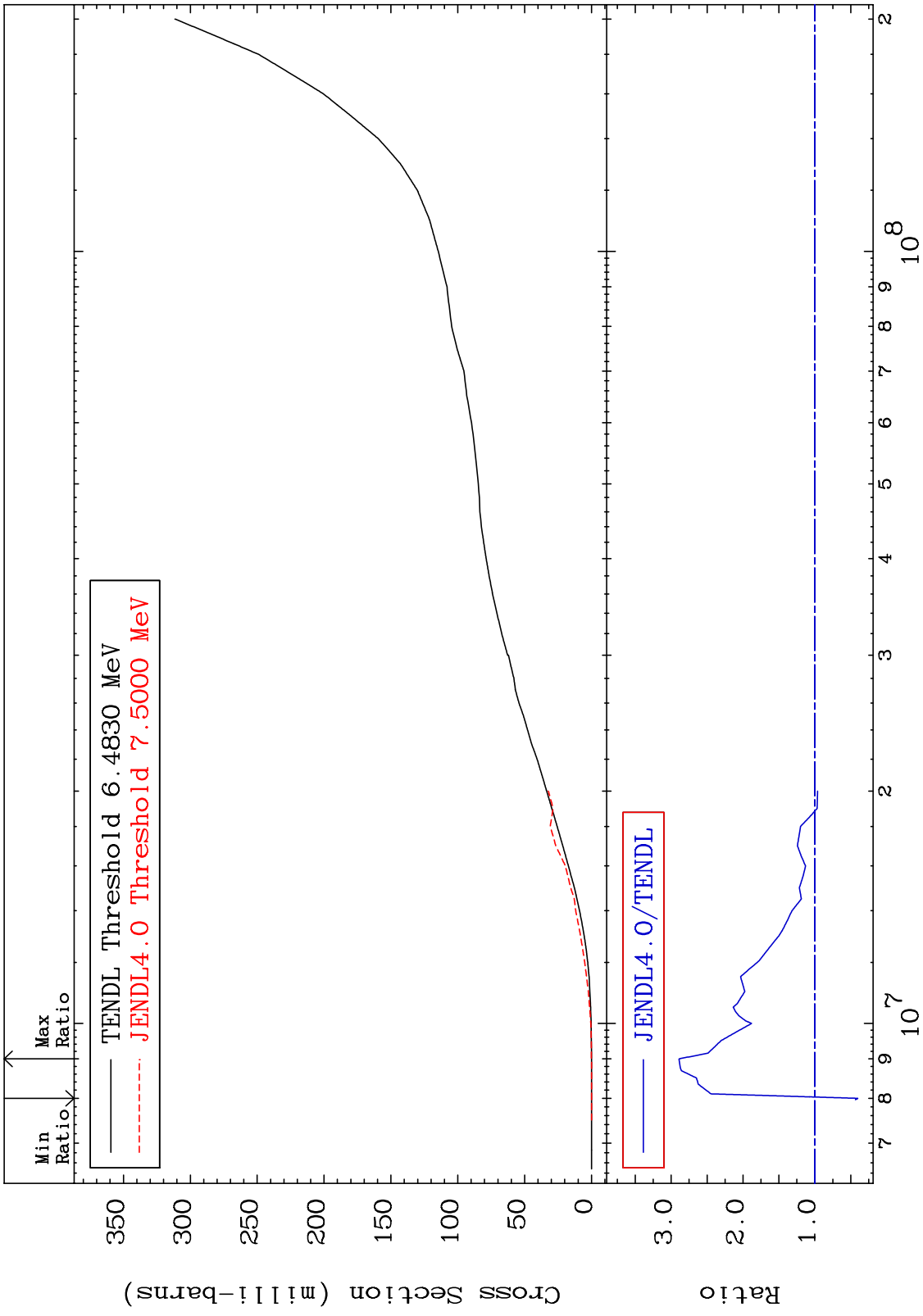
28-Ni-59

-100.0 To 9999. %

Cross Section



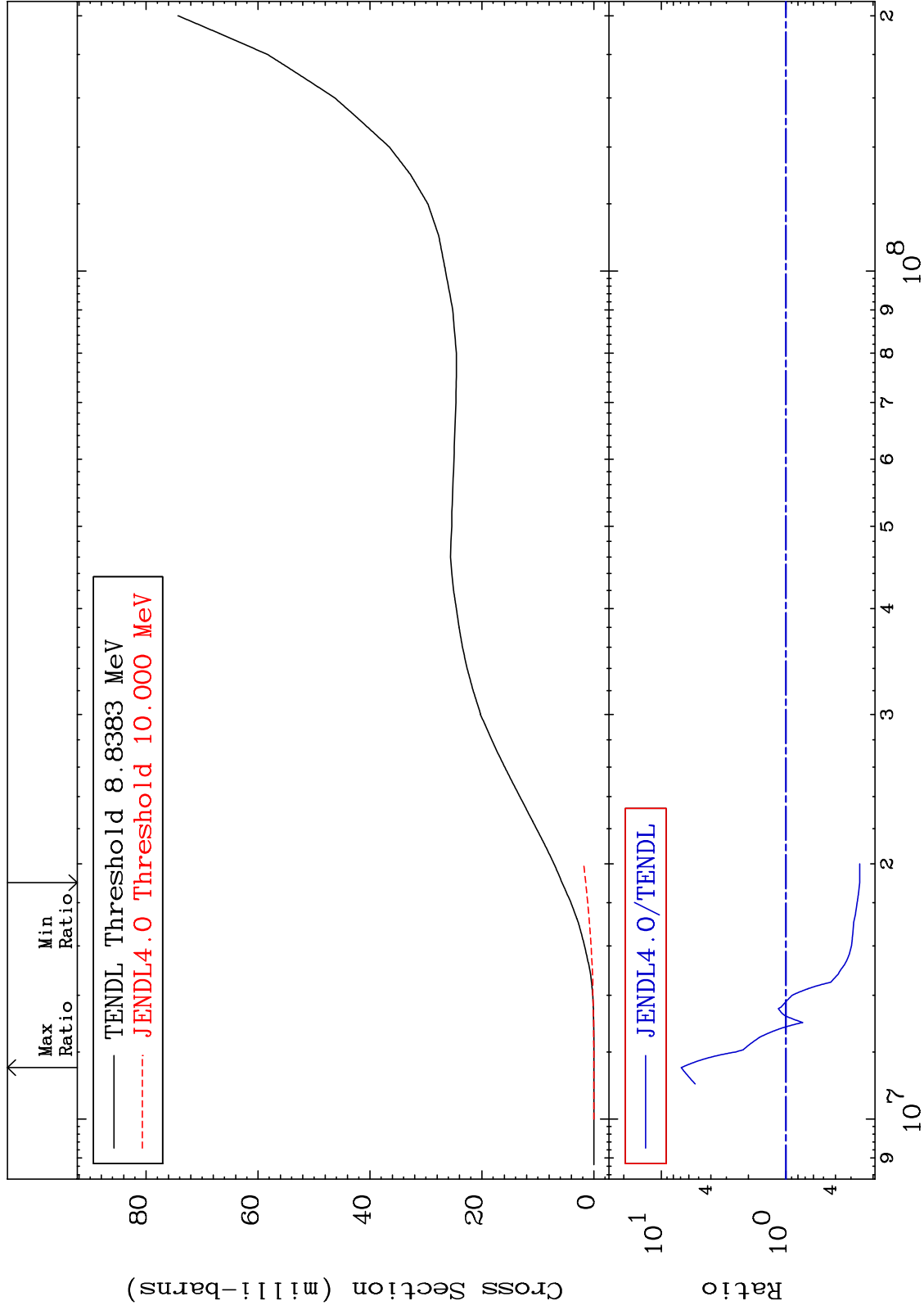




MAT 2828

Tritium Production
Cross Section

28-Ni-59
-74.46 To 590.7 %

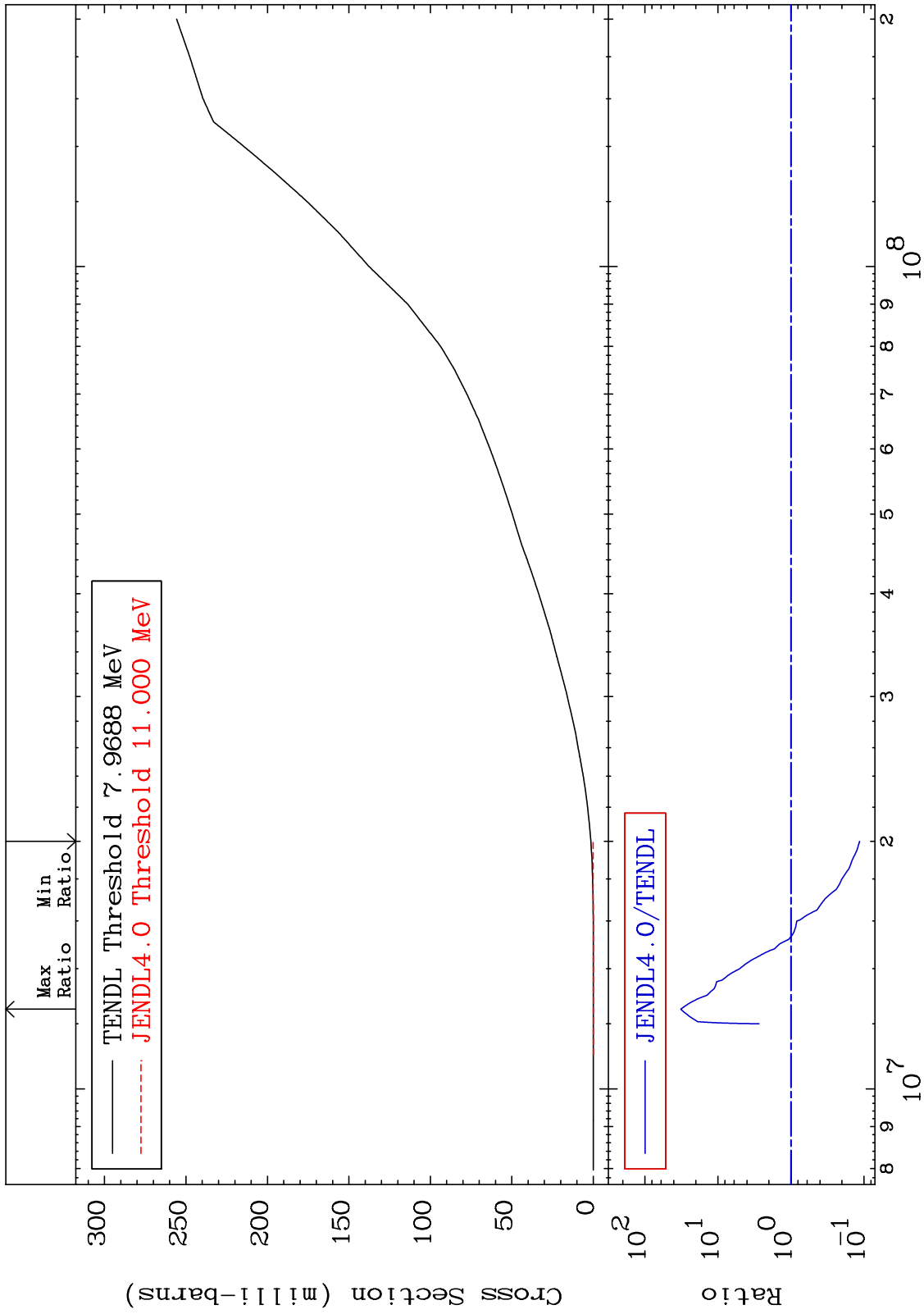


40

Incident Energy (eV)

28-Ni-59

MAT 2828 He-3 Production Cross Section 28-Ni-59 -88.56 To 3111. %

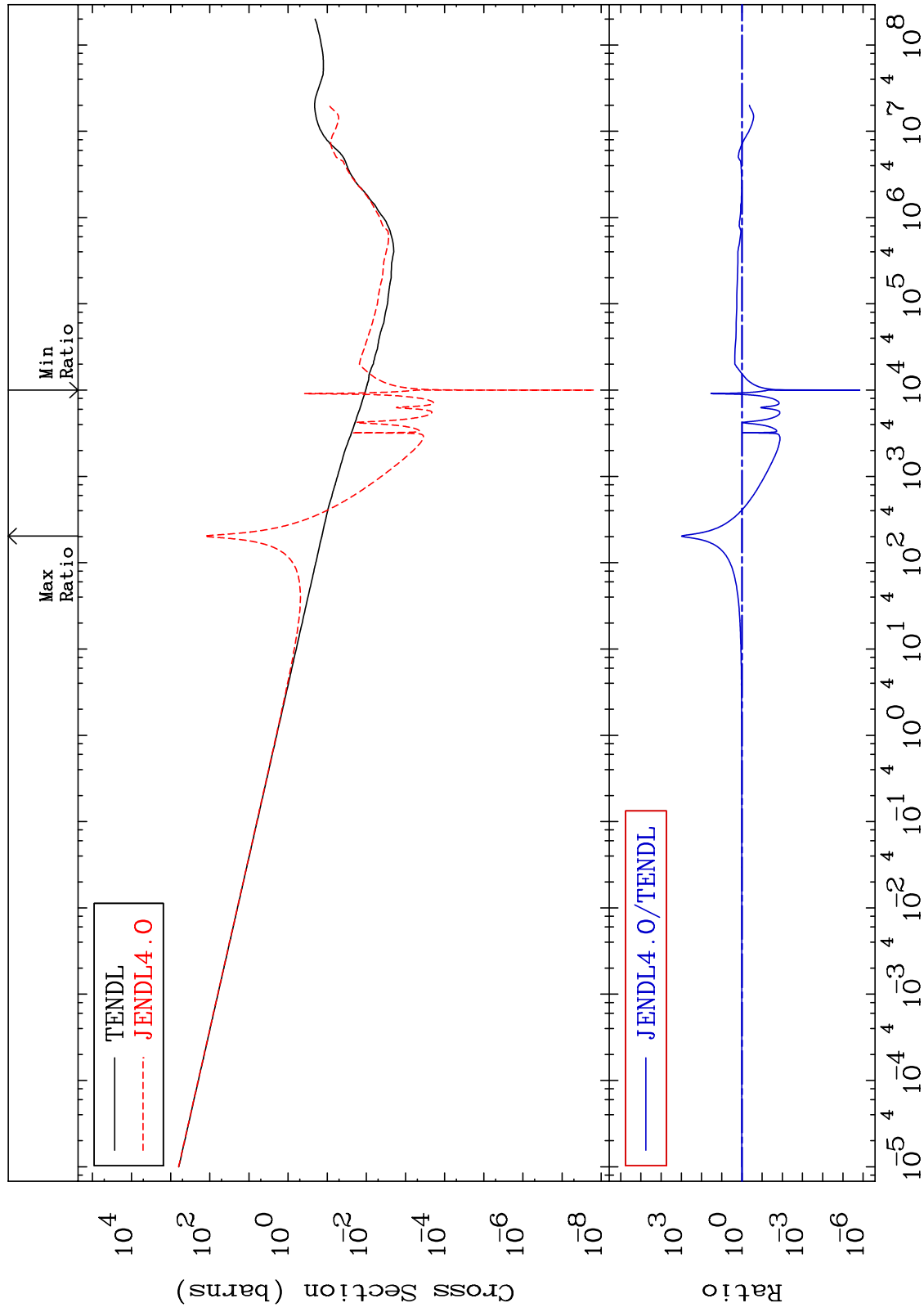


41 28-Ni-59 Incident Energy (eV)

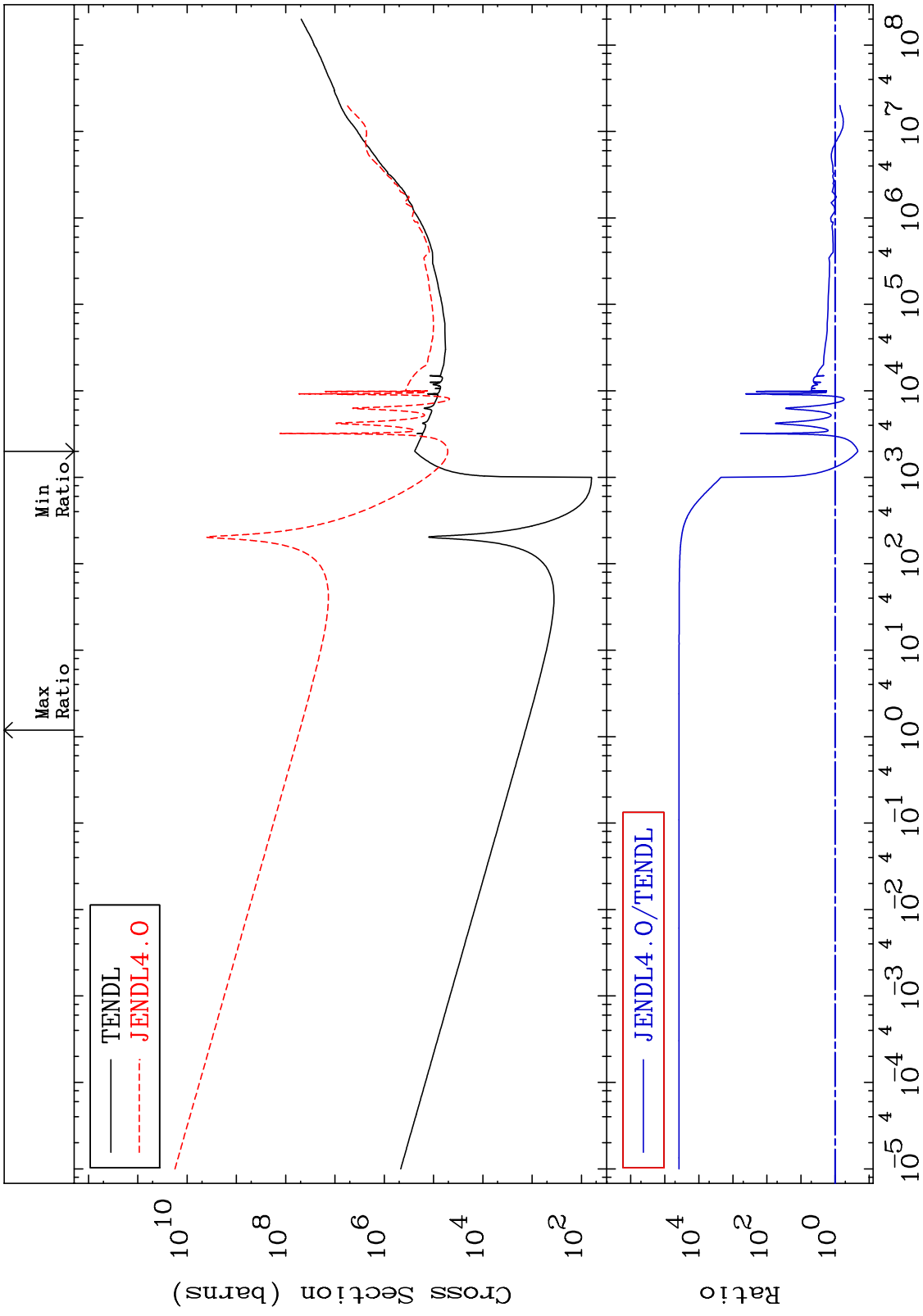
MAT 2828

He-4 Production
Cross Section

28-Ni-59
-100.0 To 9999. %



MAT 2828 Kerma total (eV-barns) 28-Ni-59
 Cross Section -78.62 To 9999. %

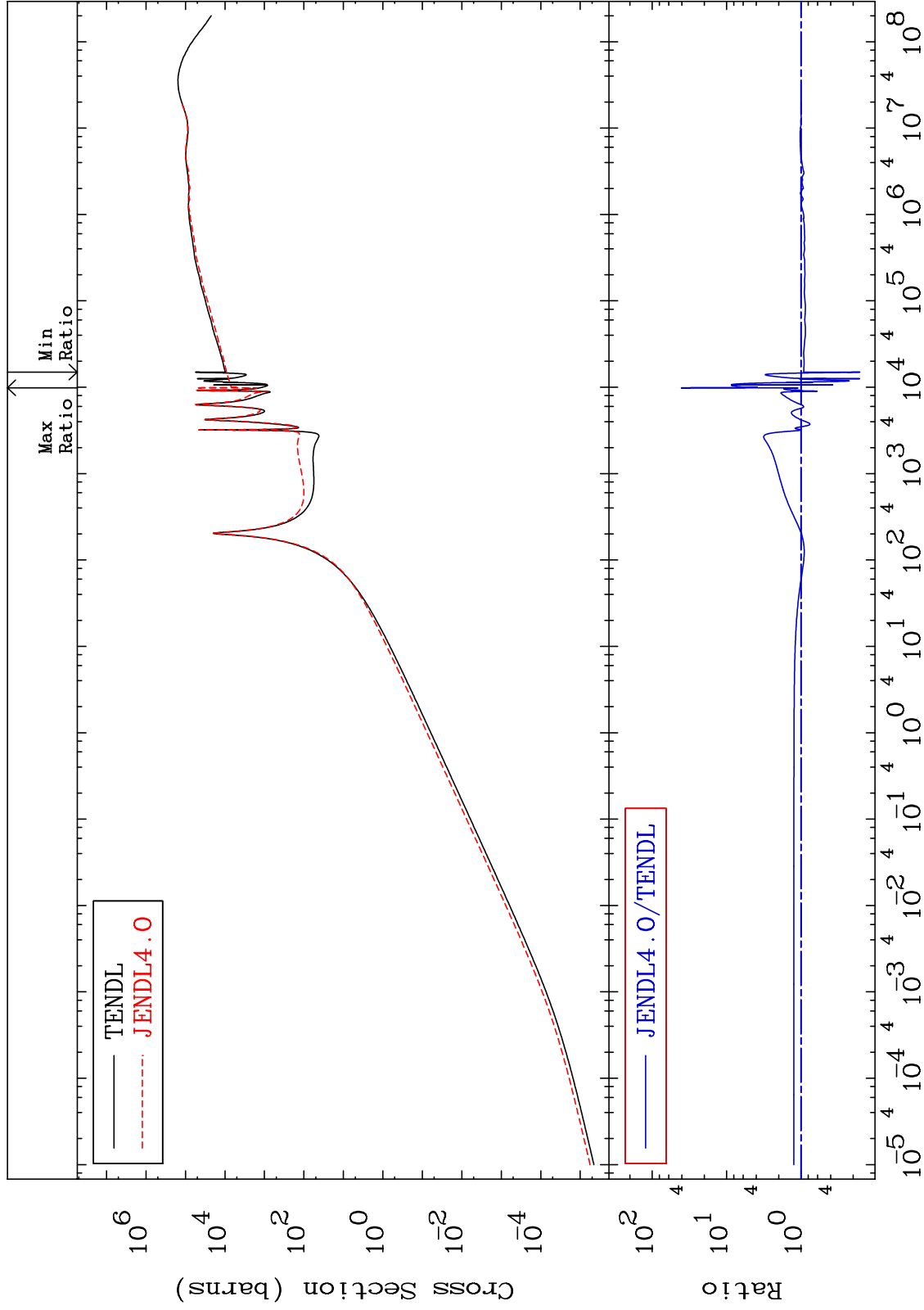


43 Incident Energy (eV) 28-Ni-59

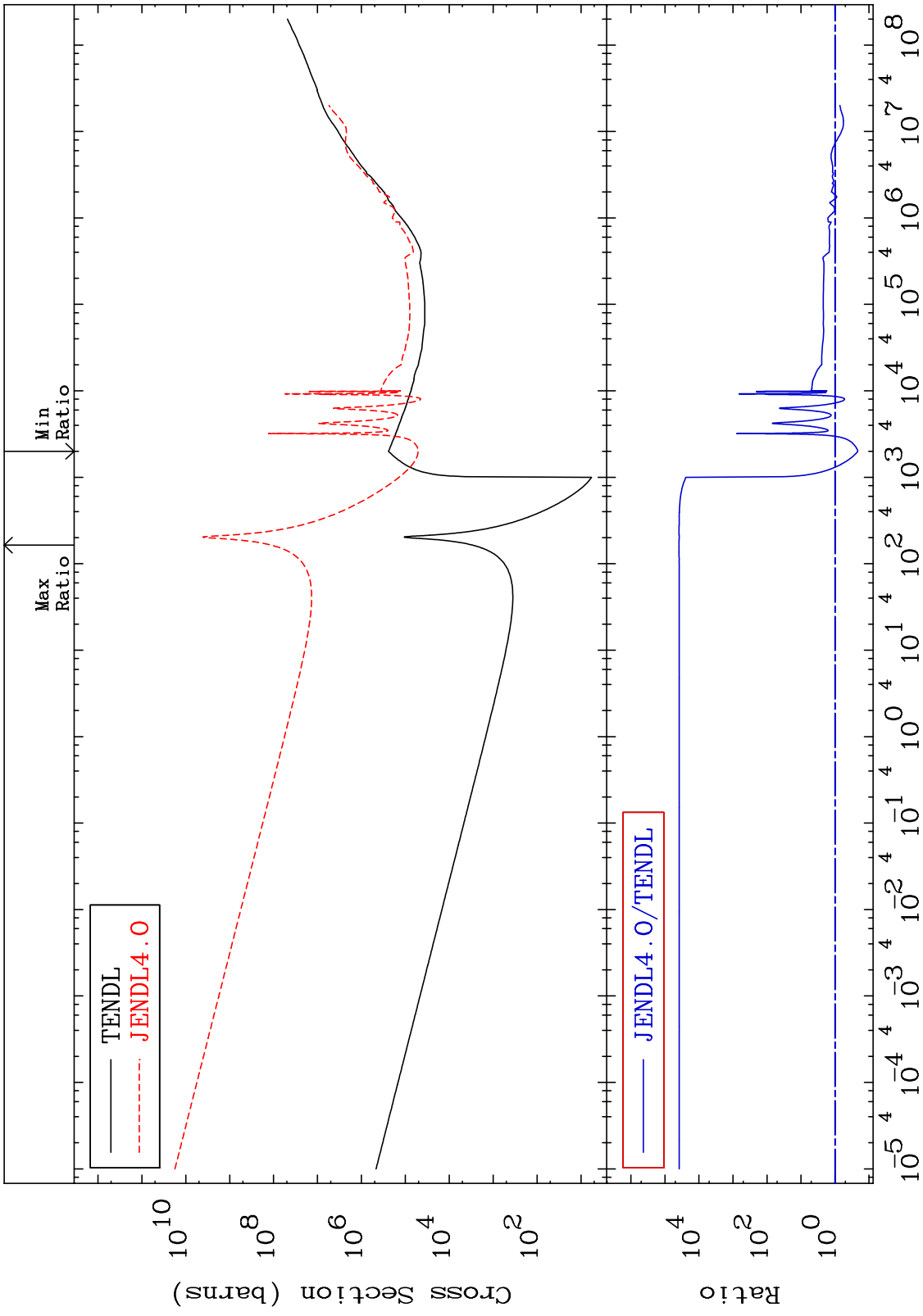
MAT 2828

Kerma elastic
Cross Section

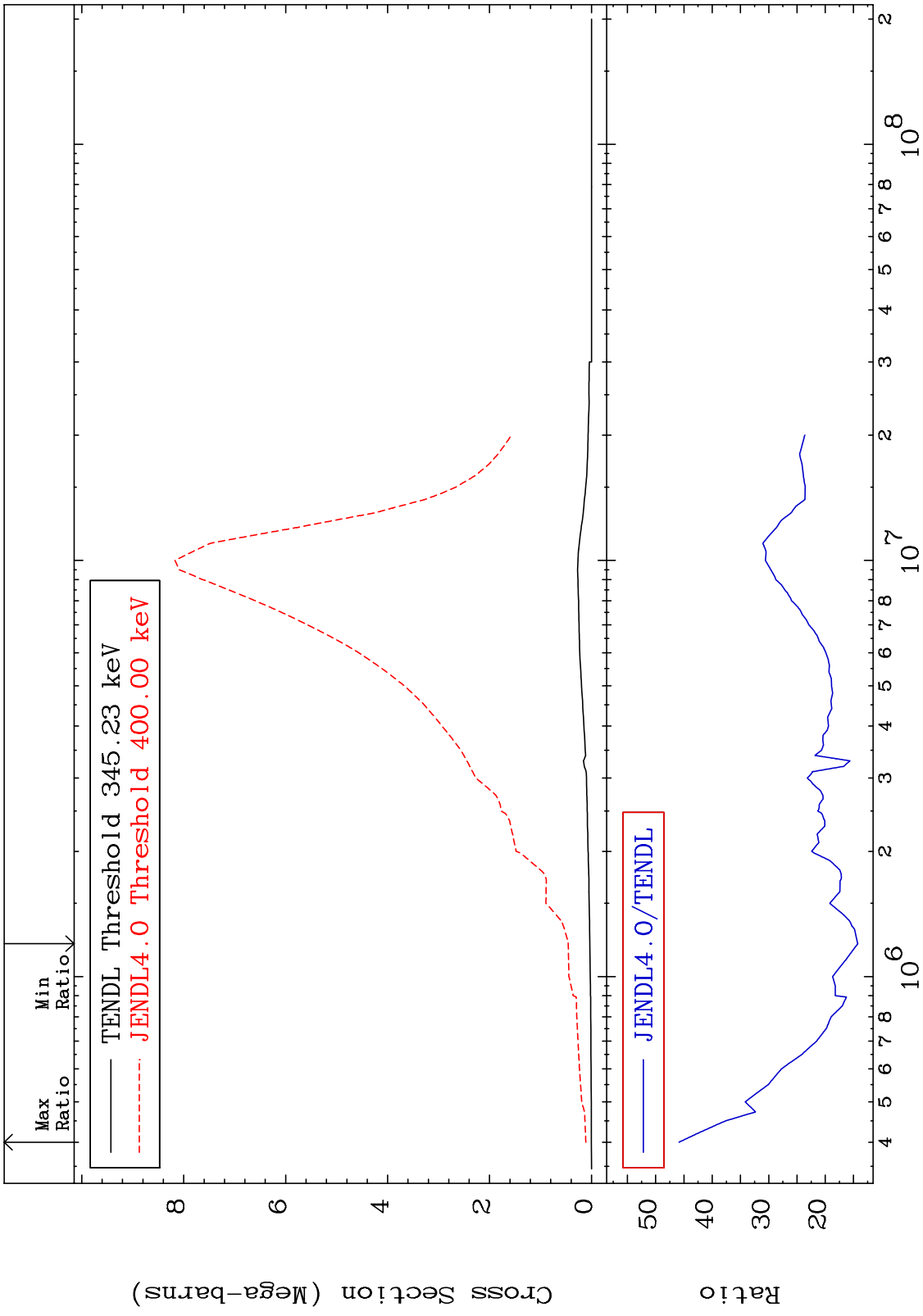
28-Ni-59
-83.71 To 3973. %



MAT 2828 Kerma non-elastic (all but mt2) 28-Ni-59
 -78.68 To 9999. %
 Cross Section



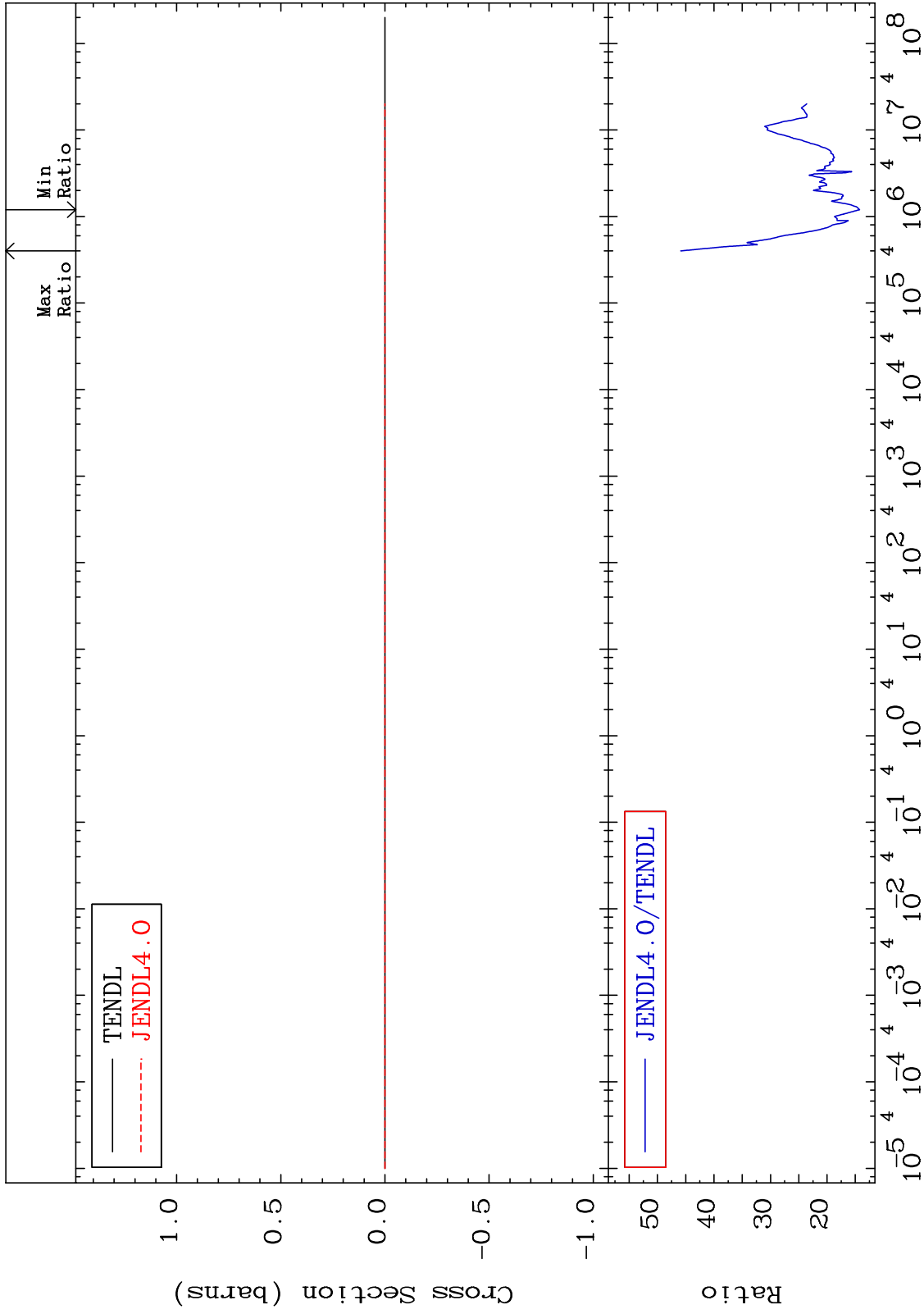
MAT 2828 Kerma inelastic (mt51-91) 28-Ni-59
 Cross Section 1324. To 4486. %



MAT 2828

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

28-Ni-59
1324. To 4486. %



47

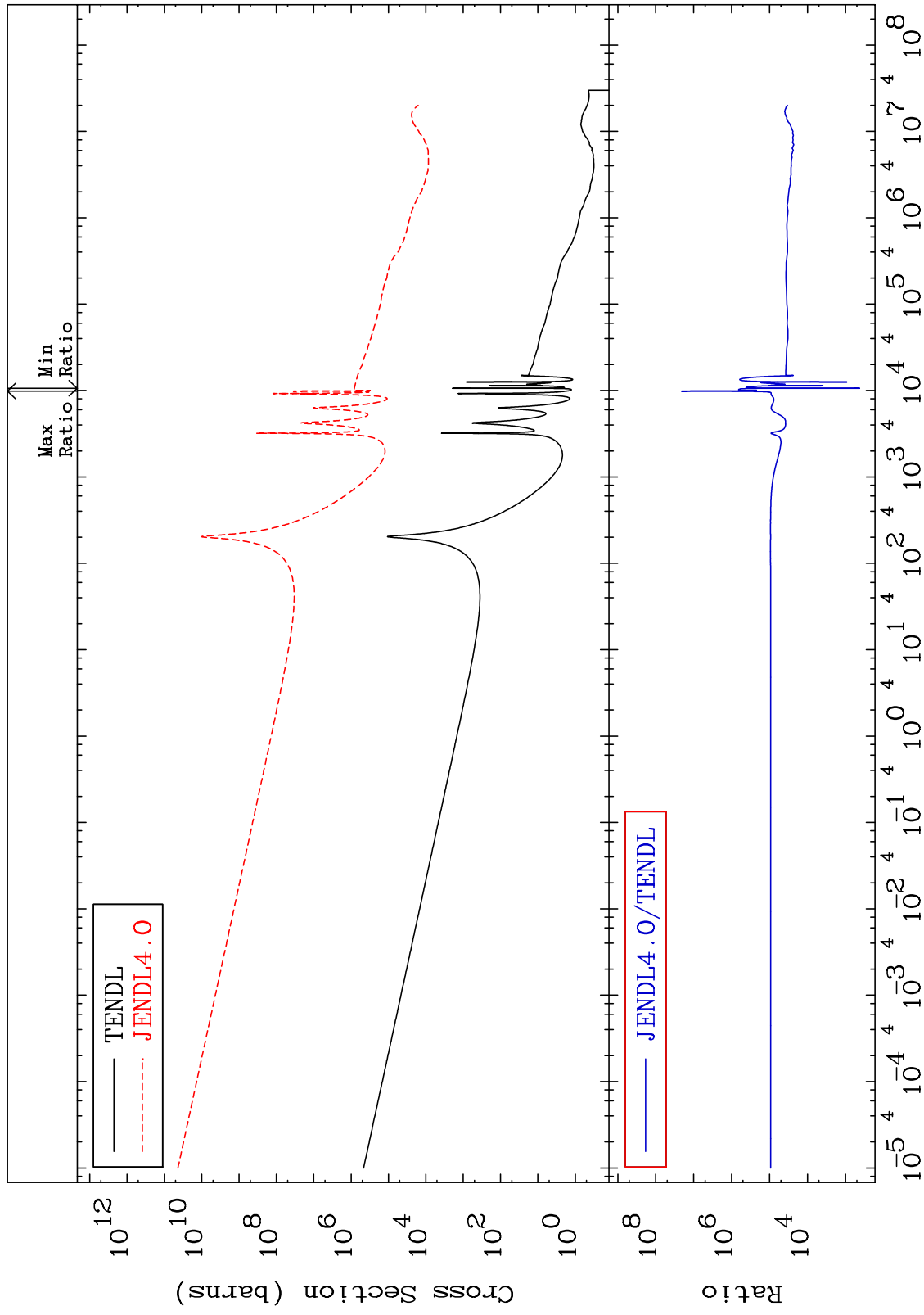
Incident Energy (eV)

28-Ni-59

MAT 2828

Kerma capture (mt102)
Cross Section

28-Ni-59
9999. To 9999. %

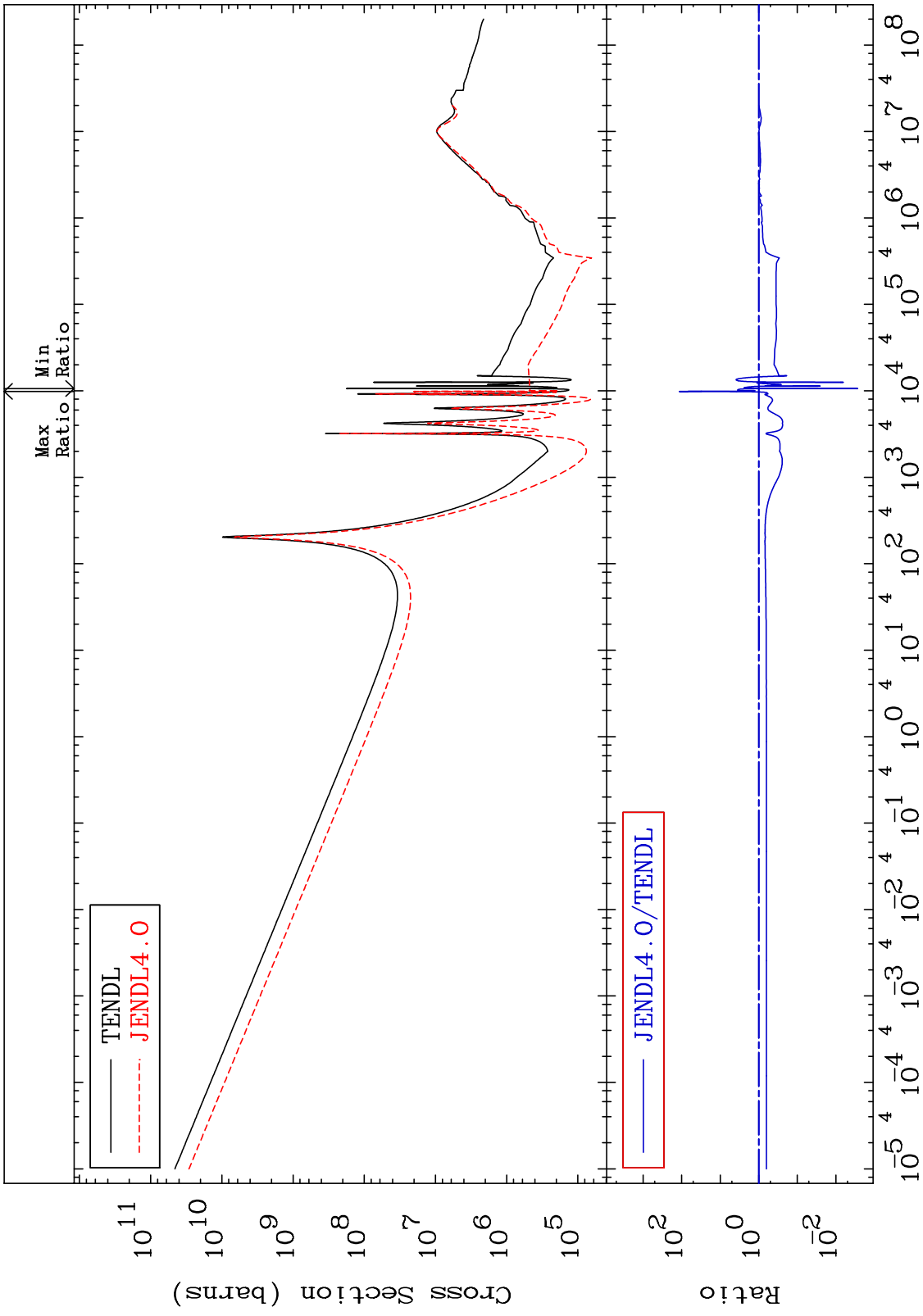


48

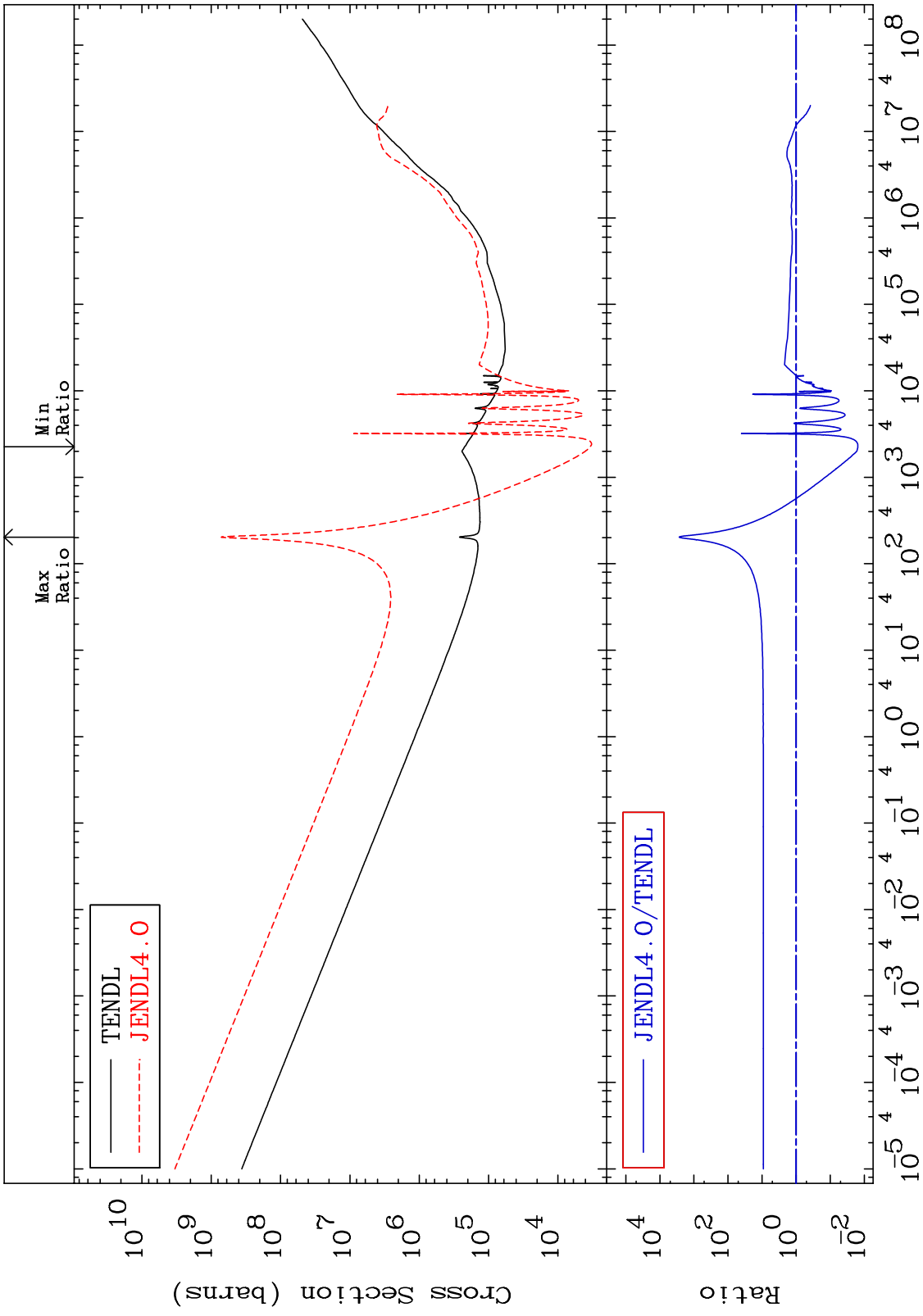
Incident Energy (eV)

28-Ni-59

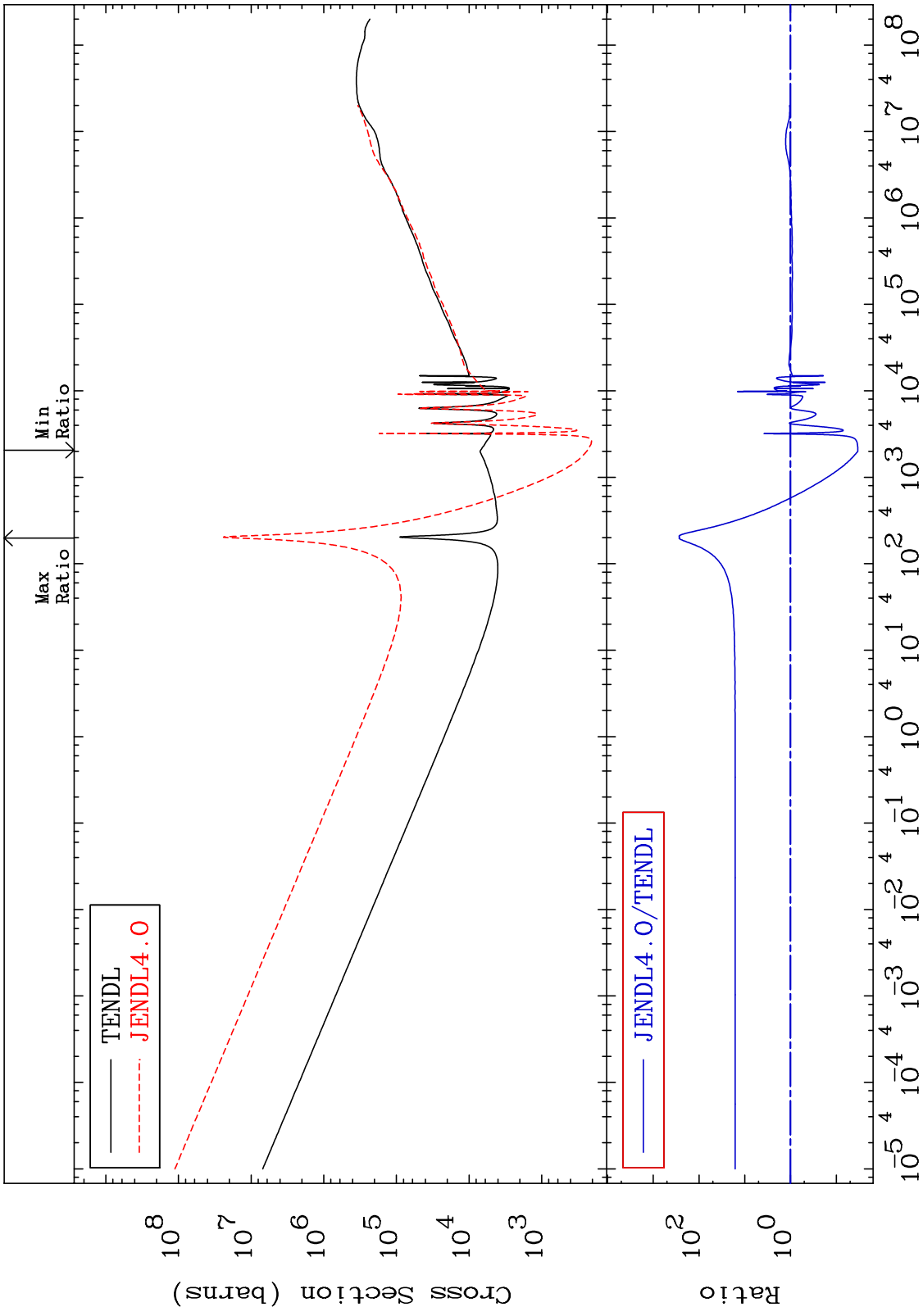
MAT 2828 28-Ni-59
 Total photon (eV-barns) -99.73 To 9999. %
 Cross Section



MAT 2828 Total kinematic kerma (high limit) 28-Ni-59
 -98.45 To 9999. %
 Cross Section



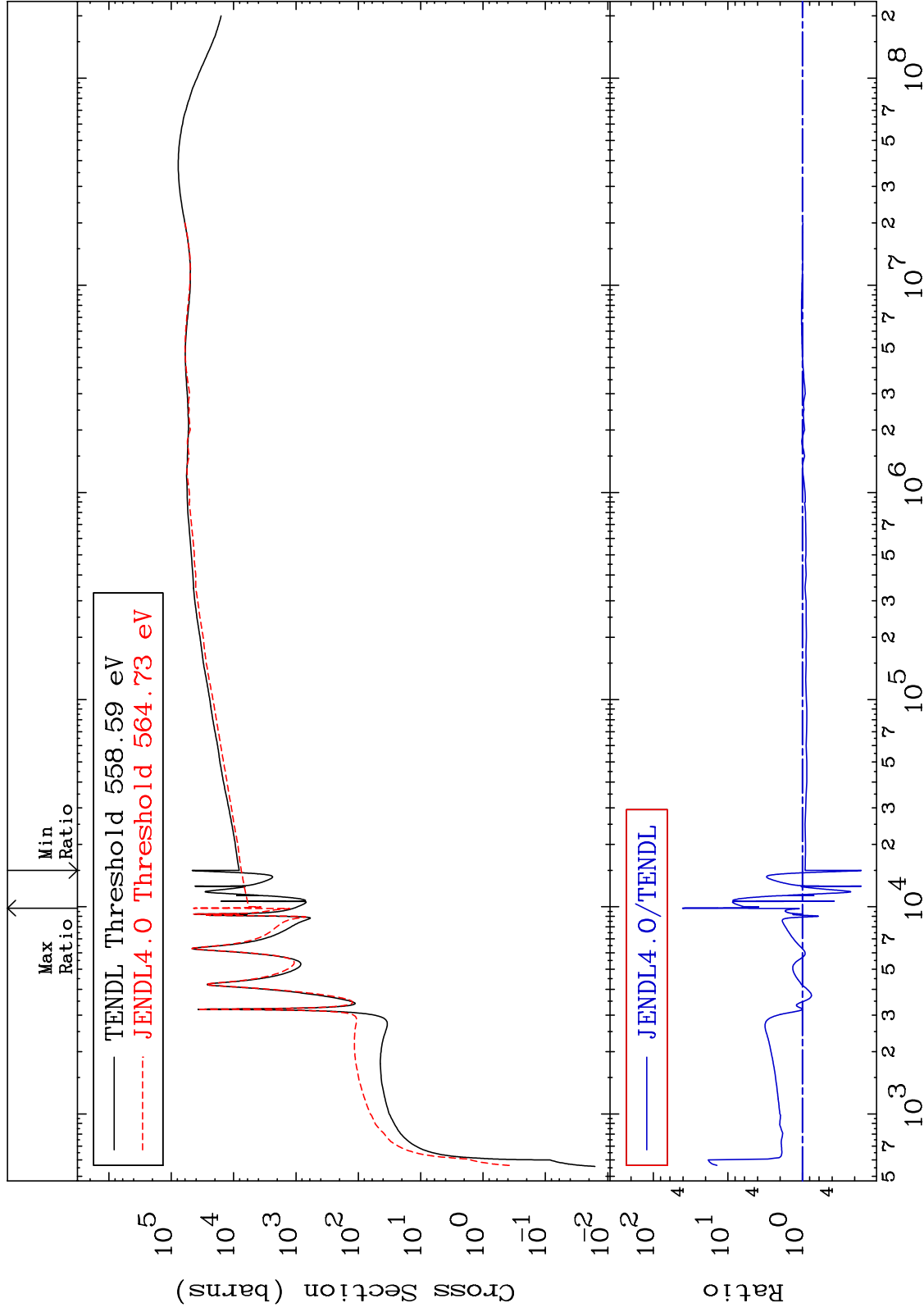
MAT 2828 28-Ni-59
 Dpa total (eV-barns) -96.62 To 9999. %
 Cross Section



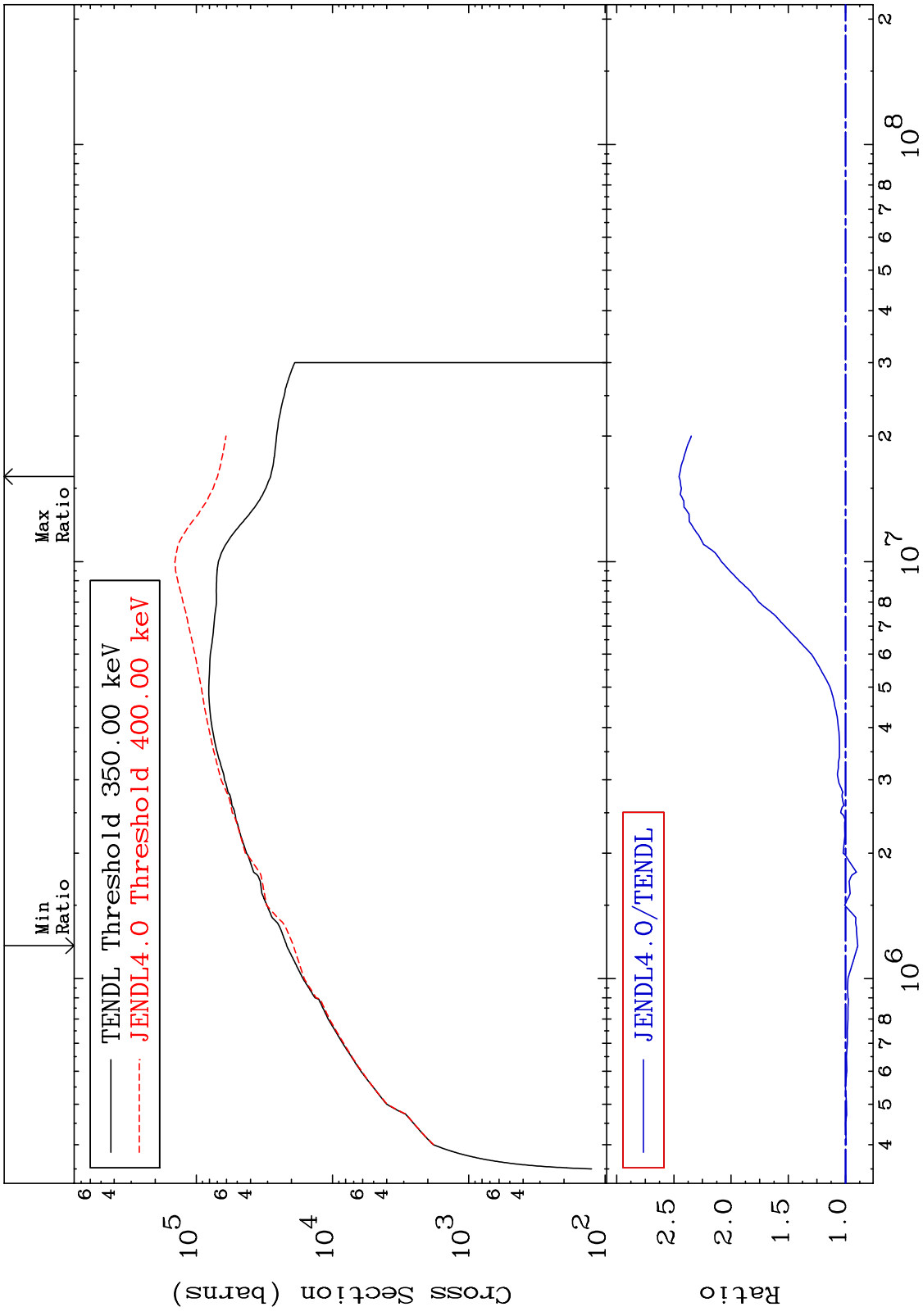
MAT 2828

Dpa elastic (mt2)
Cross Section

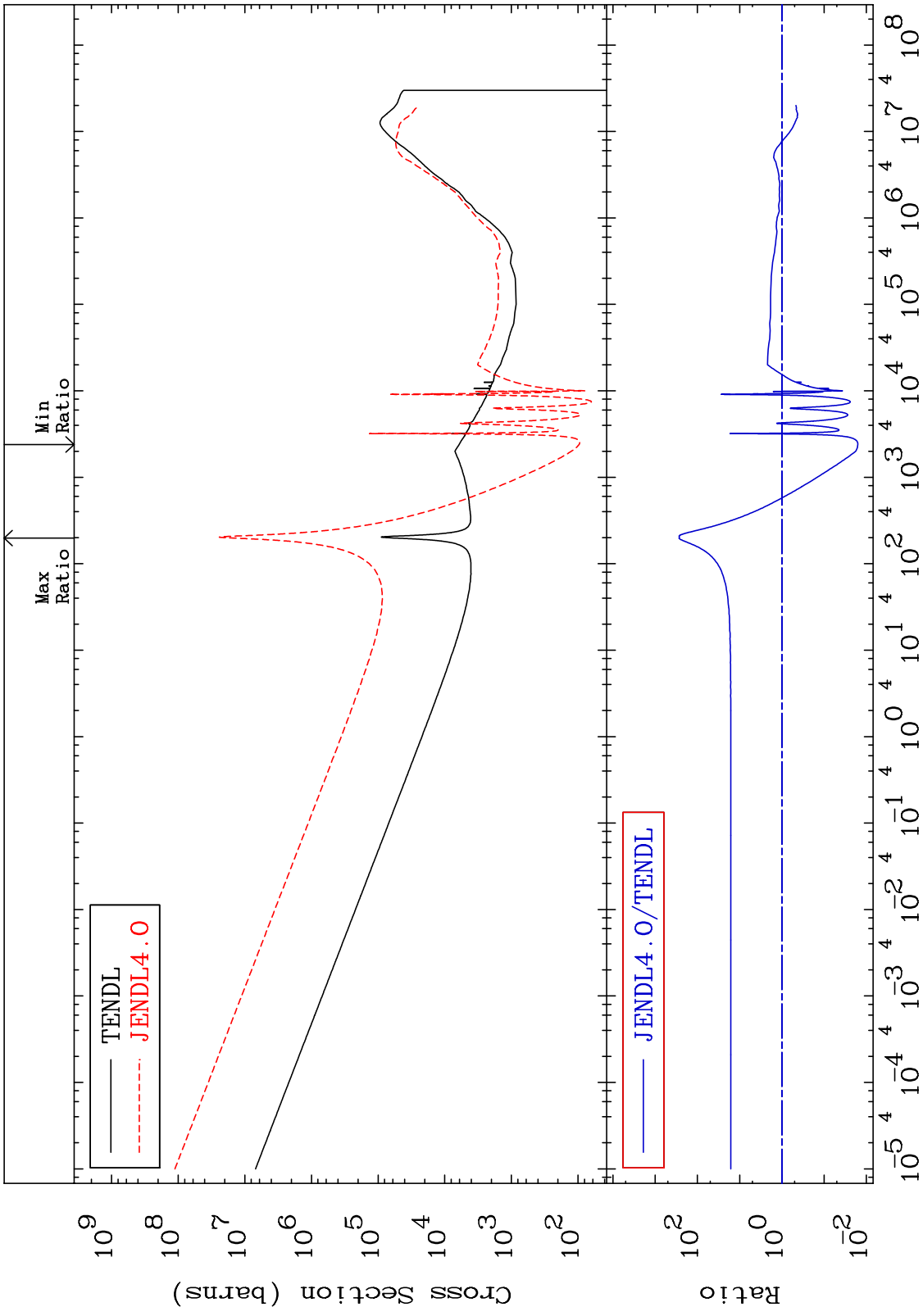
28-Ni-59
-83.71 To 3973. %



MAT 2828 Dpa inelastic (mt51-91) 28-Ni-59
 Cross Section -10.78 To 145.5 %



MAT 2828 Dpa disappearance (mt102 -120) 28-Ni-59
 Cross Section -98.41 To 9999. %



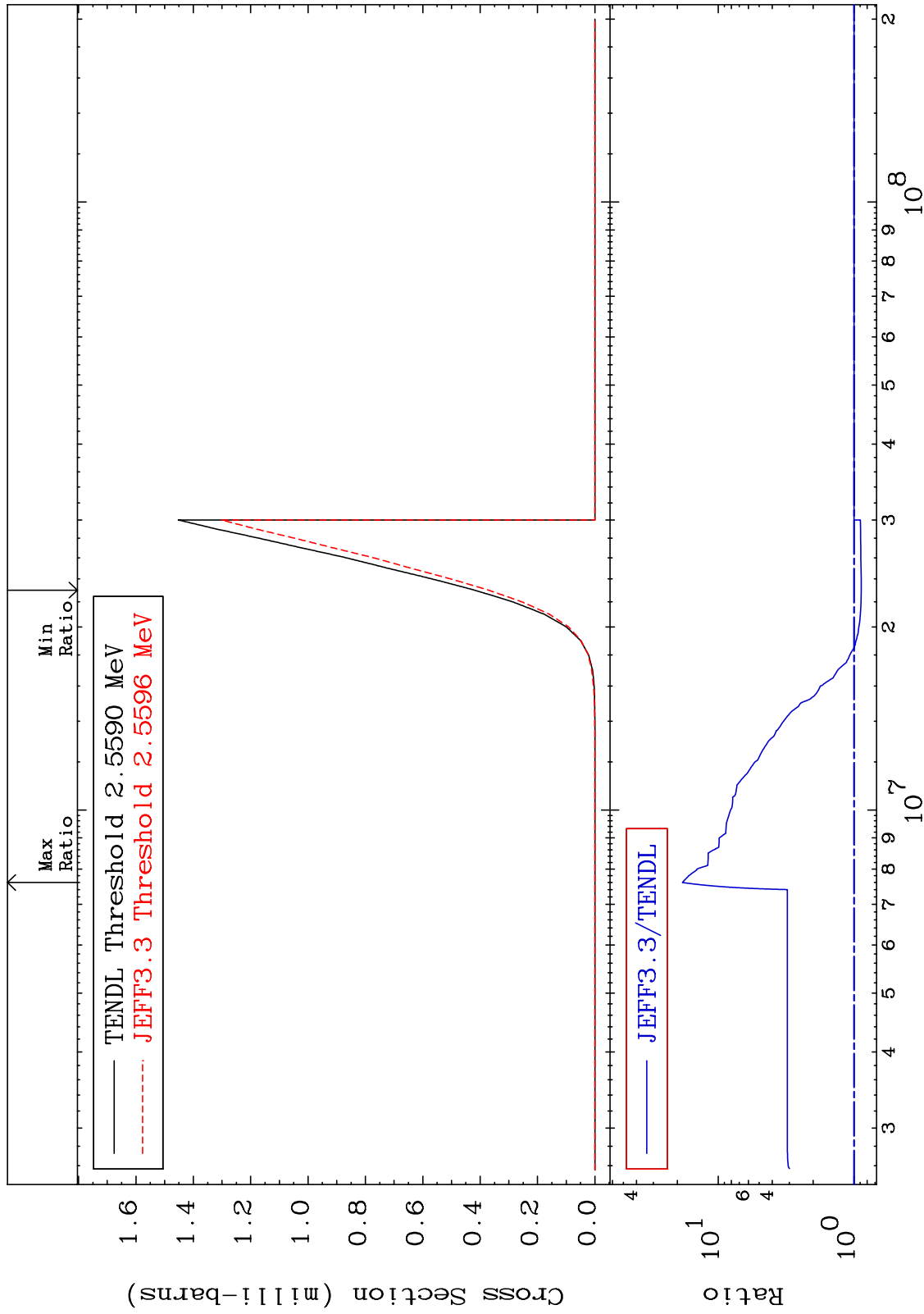
MAT 2828

(n,2α)

28-Ni-59

-11.58 To 1733. %

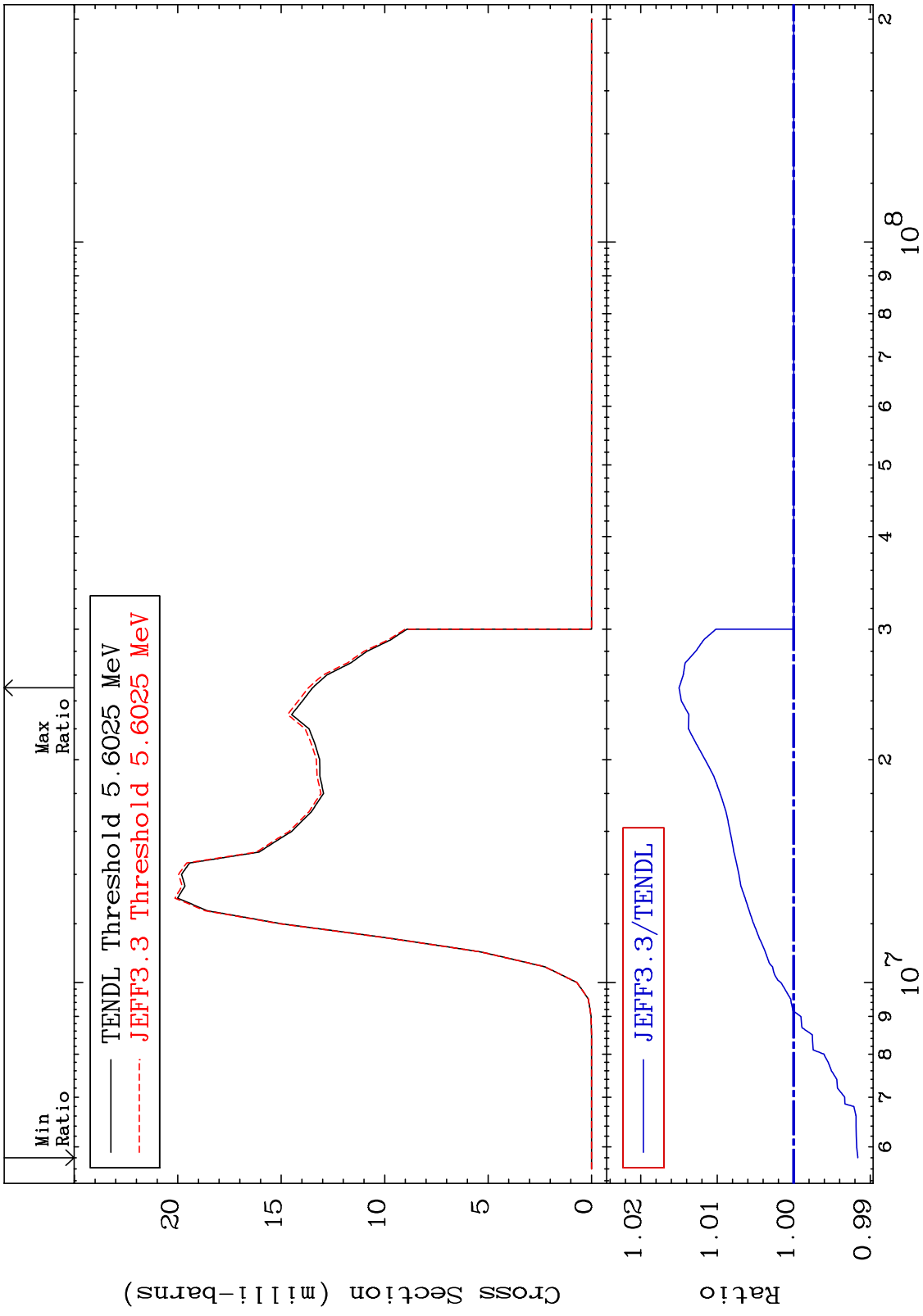
Cross Section



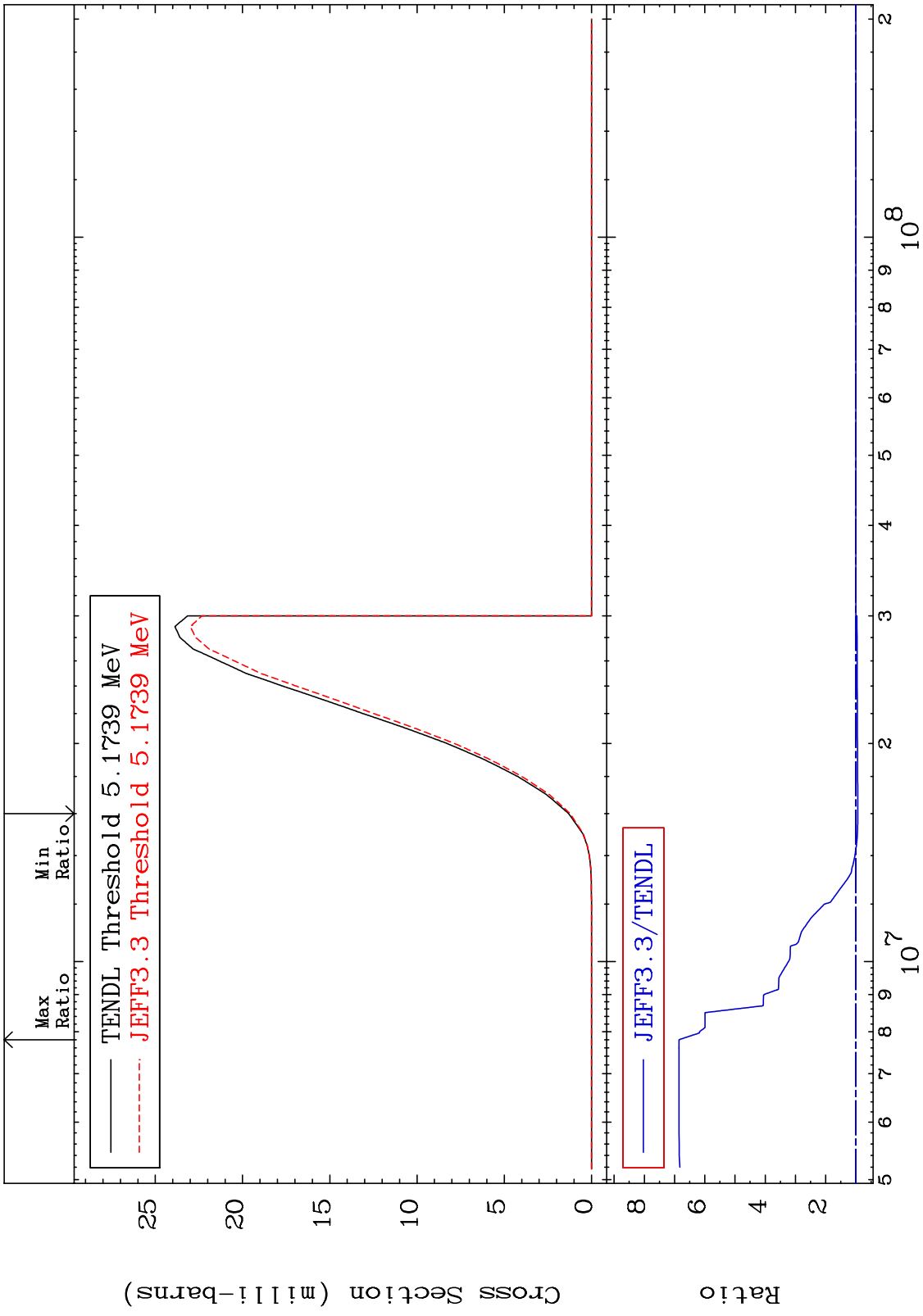
55

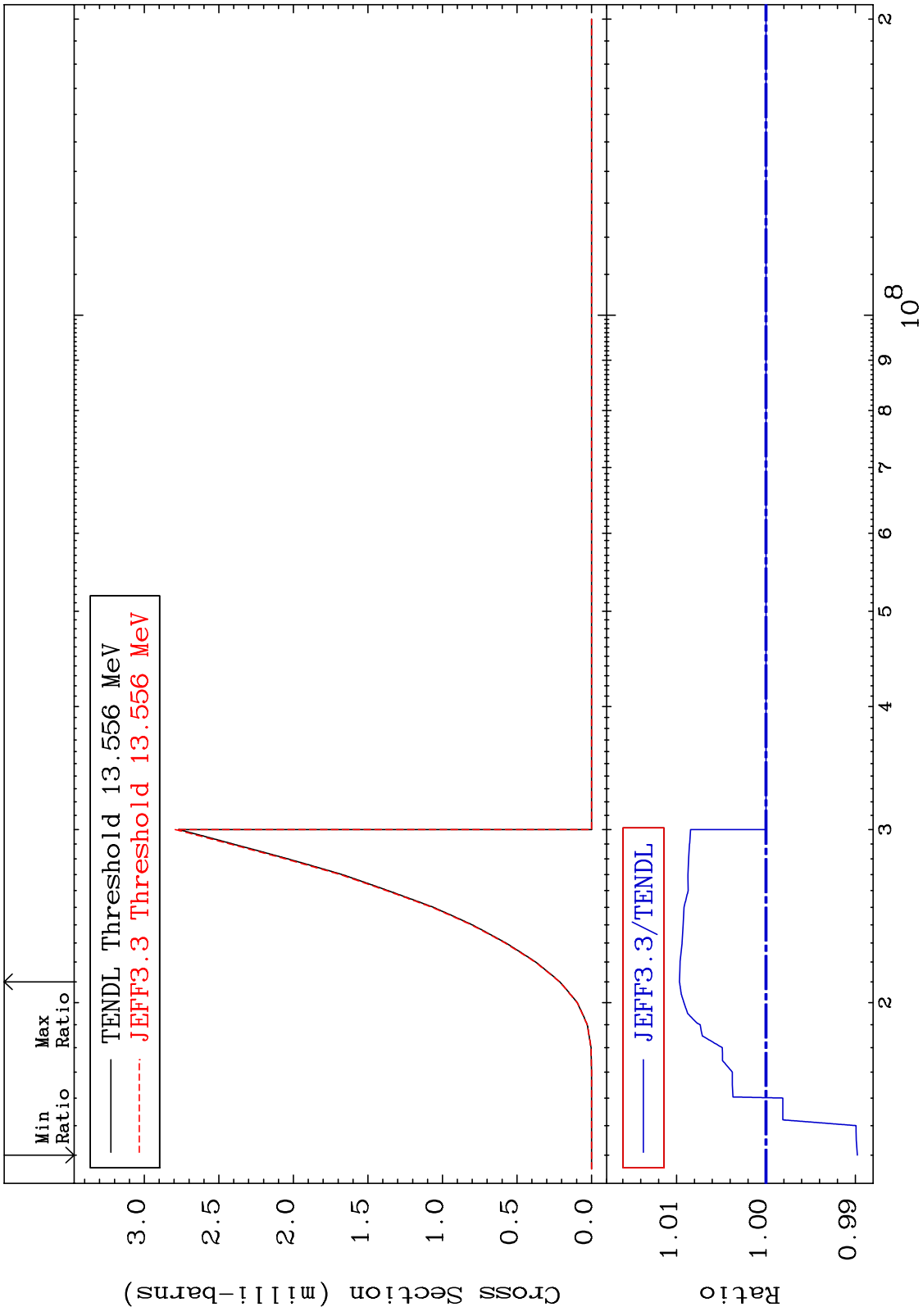
28-Ni-59

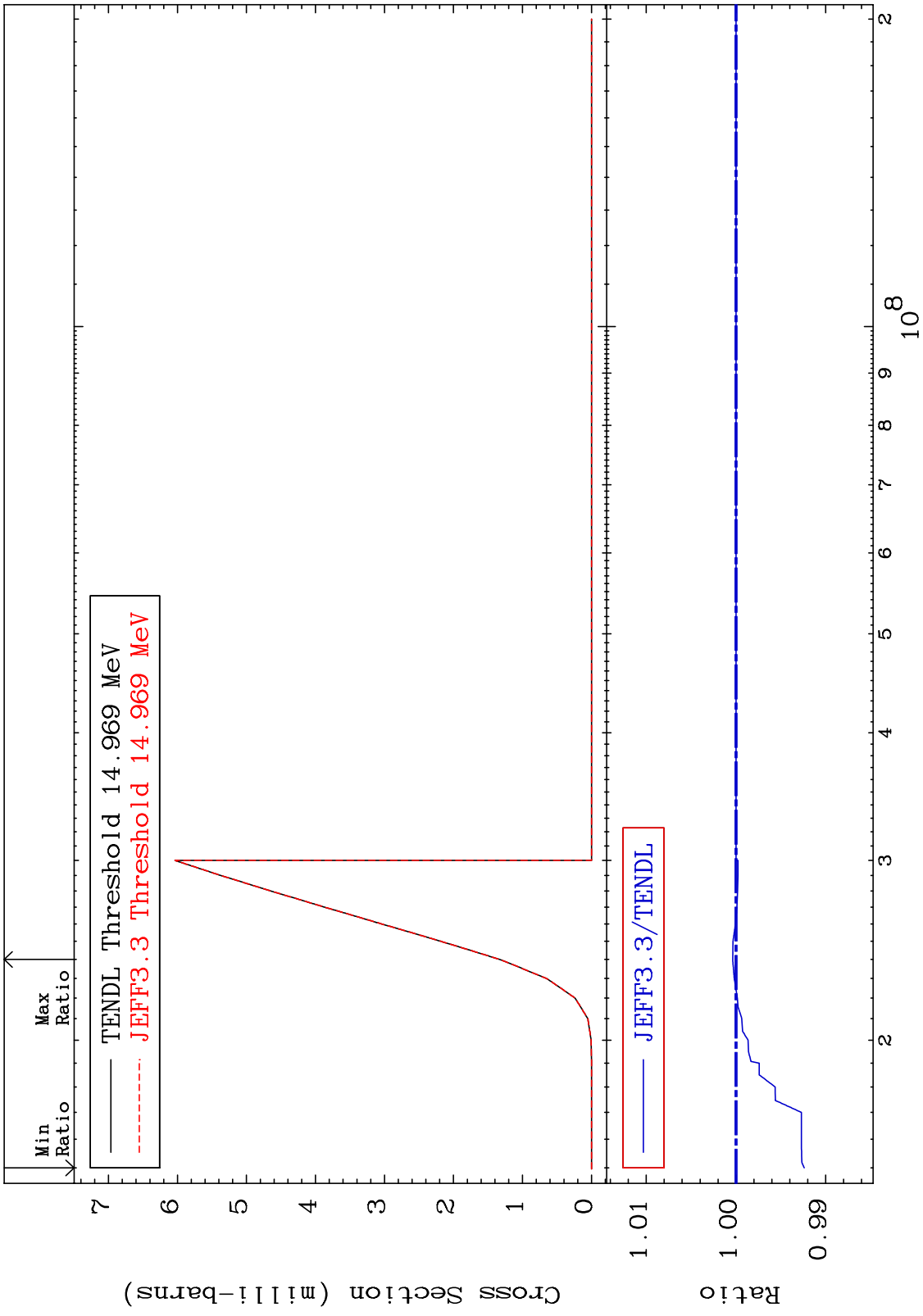
MAT 2828 28-Ni-59
-0.839 To 1.500 %
(n,2p) Cross Section



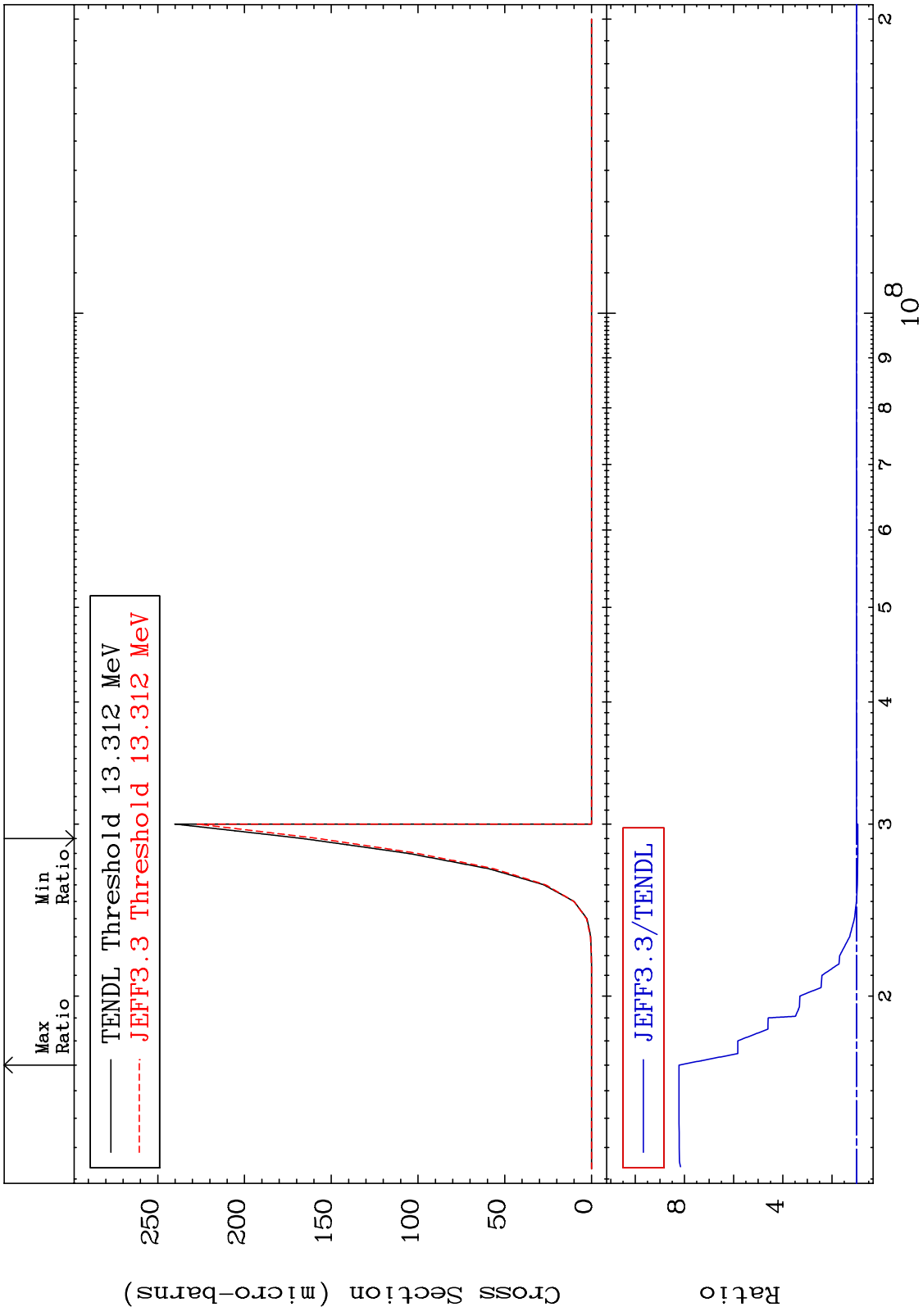
MAT 2828 $(n,p) \alpha$ 28-Ni-59
 Cross Section -6.392 To 585.2 %







MAT 2828 (n,d) α 28-Ni-59
 Cross Section -5.421 To 722.0 %

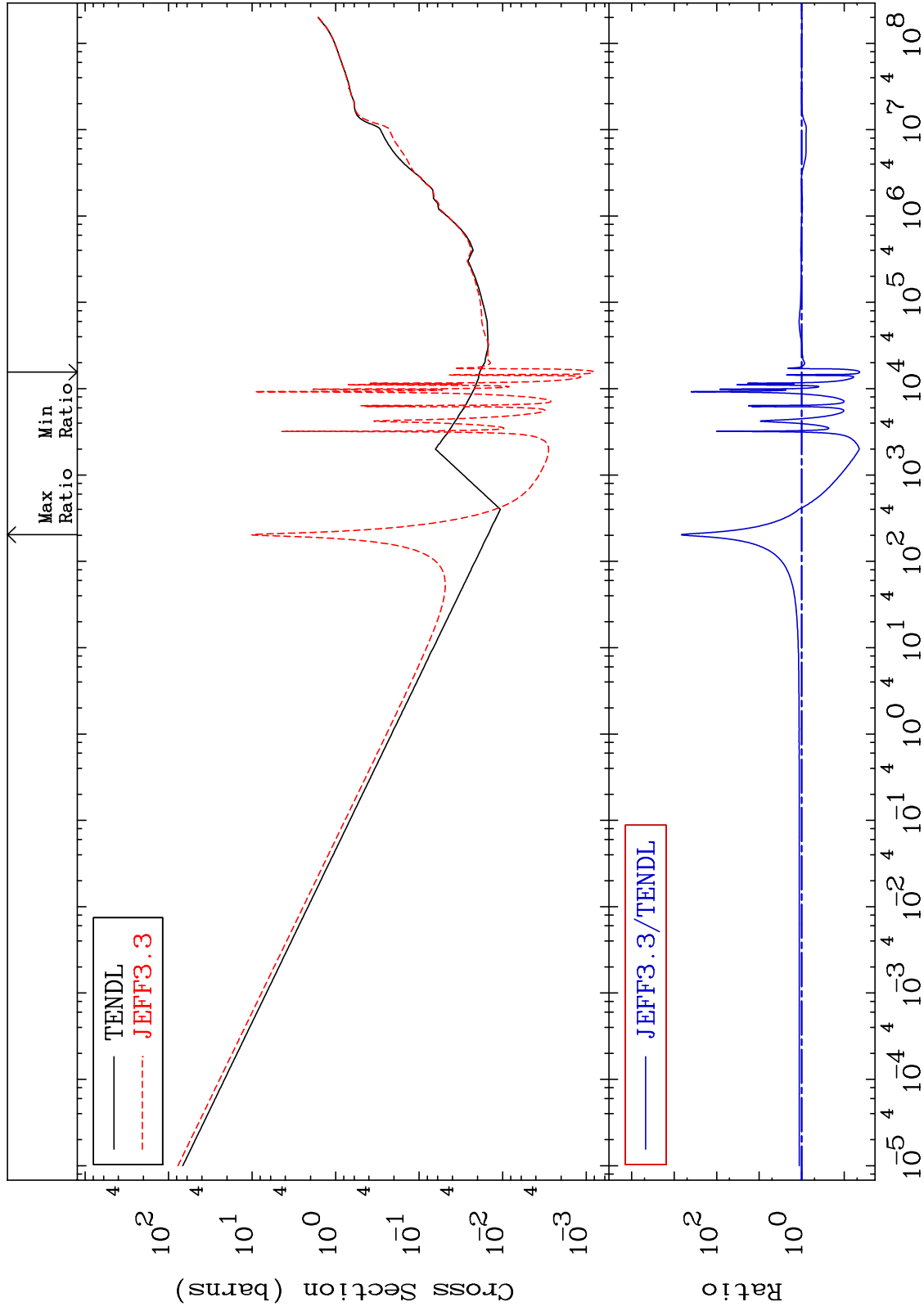


60 28-Ni-59

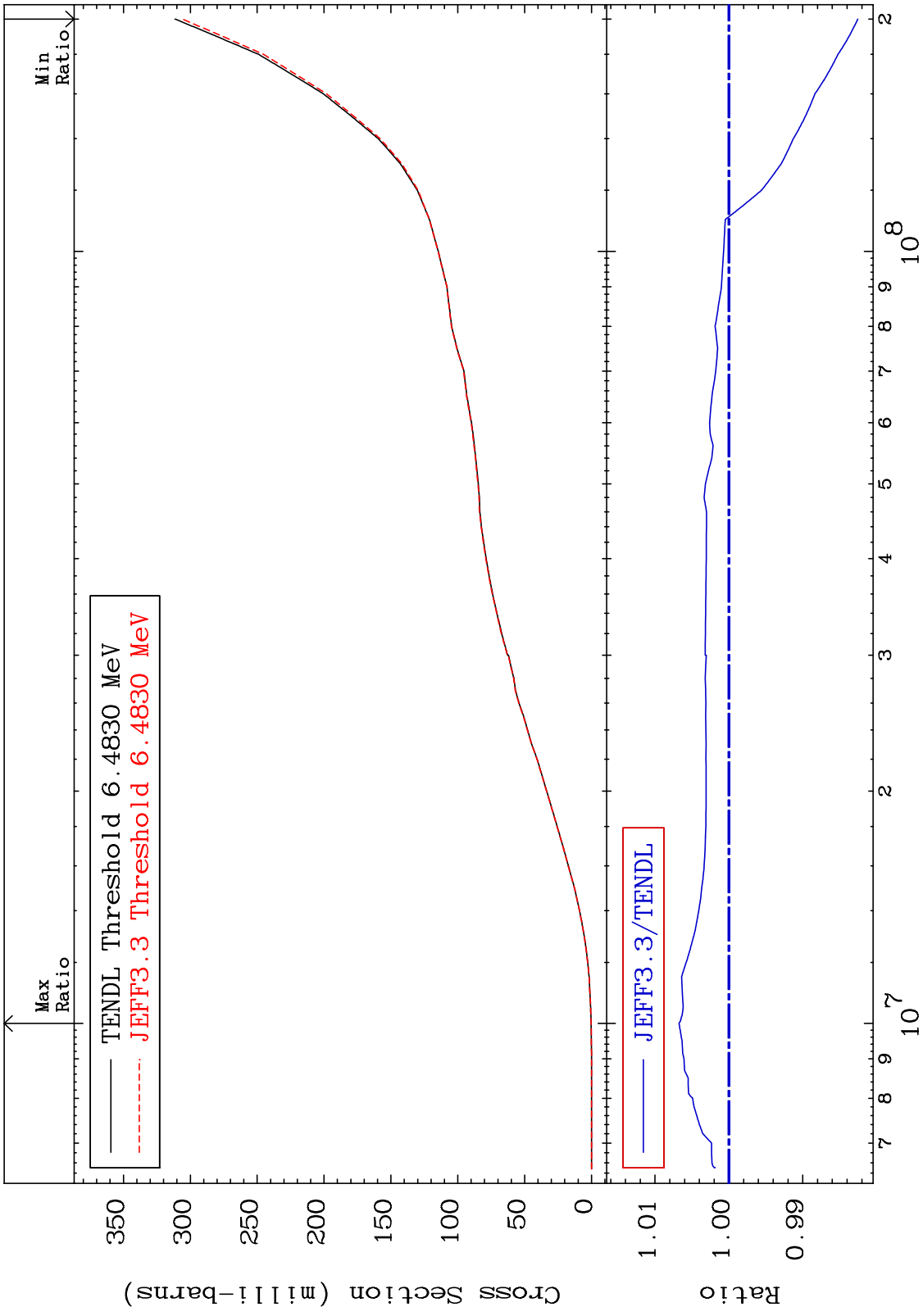
MAT 2828

Hydrogen Production
Cross Section

28-Ni-59
-95.69 To 9999. %

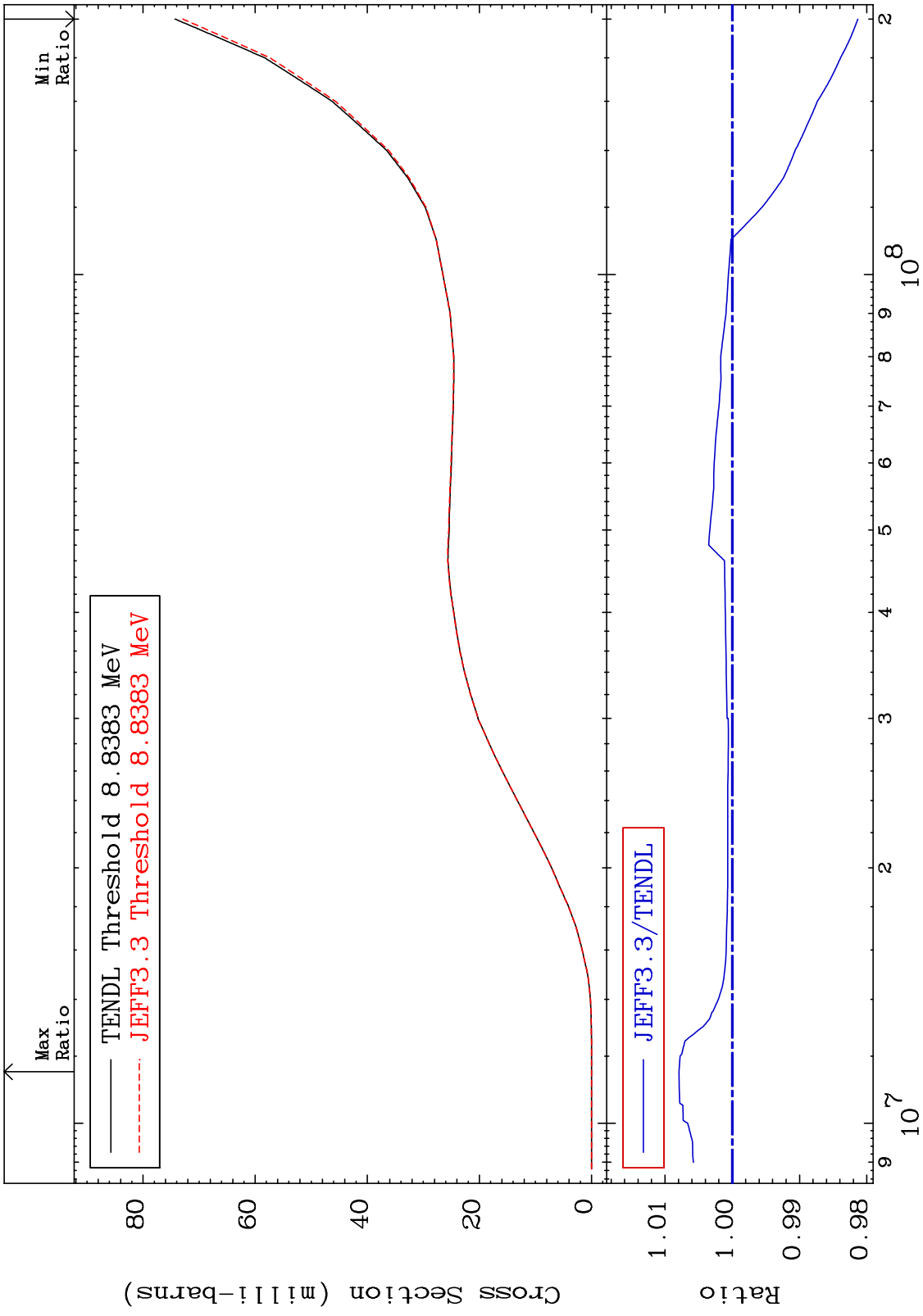


MAT 2828 Deuterium Production Cross Section 28-Ni-59 -1.746 To 0.675 %



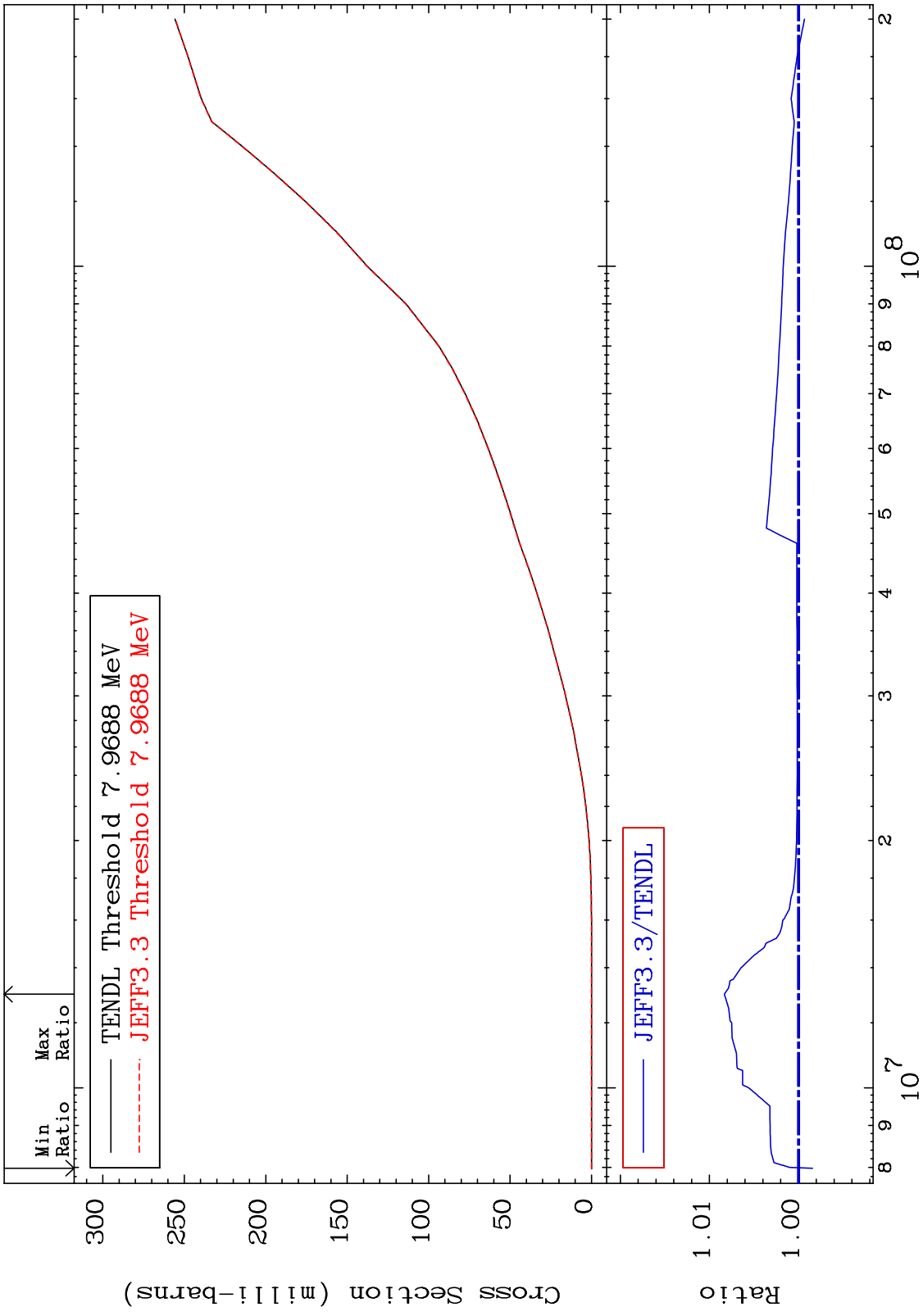
62 28-Ni-59

MAT 2828 Tritium Production Cross Section 28-Ni-59 -1.866 To 0.791 %



63 28-Ni-59

MAT 2828 He-3 Production Cross Section 28-Ni-59 -0.157 To 0.832 %

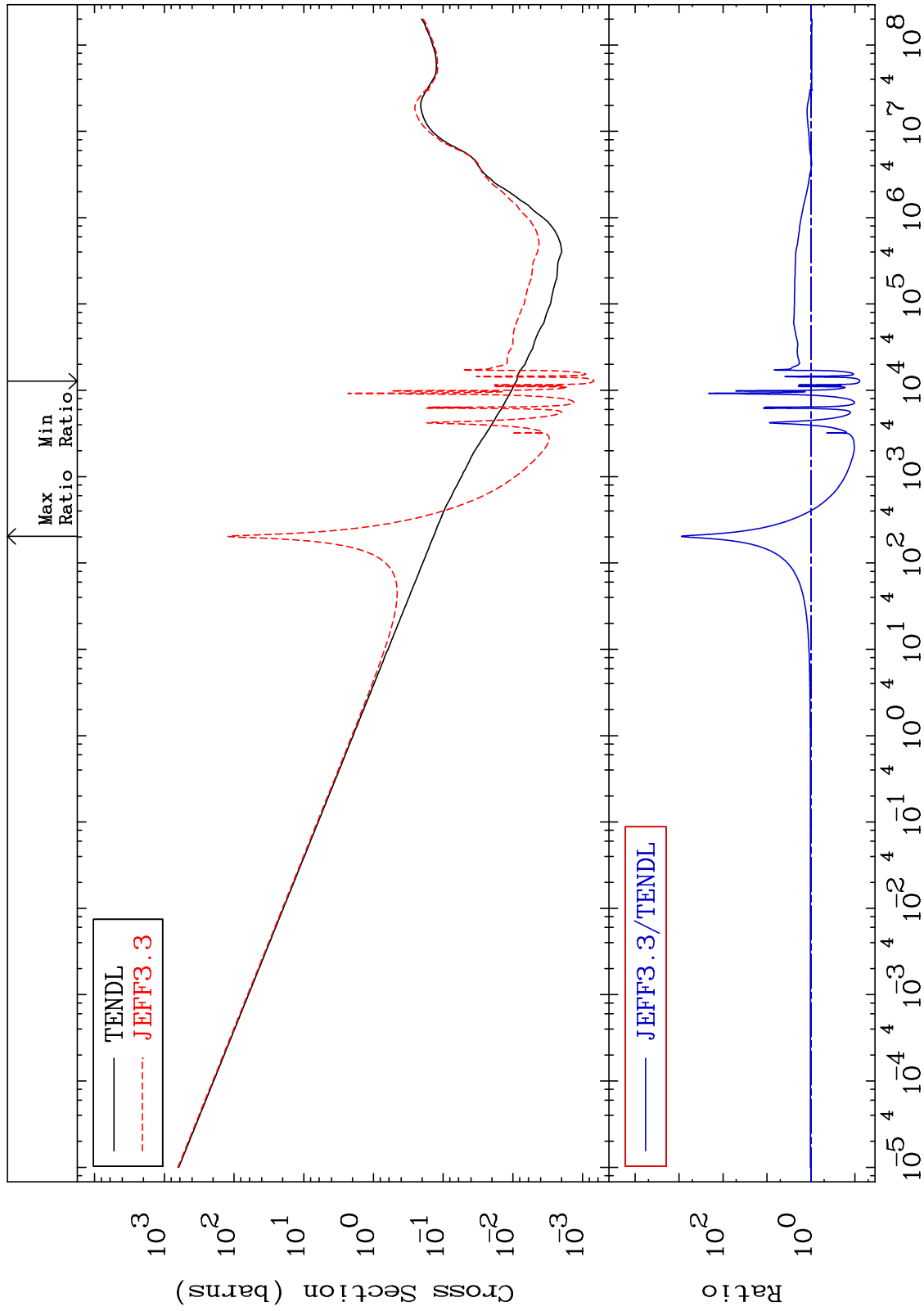


64 28-Ni-59

MAT 2828

He-4 Production
Cross Section

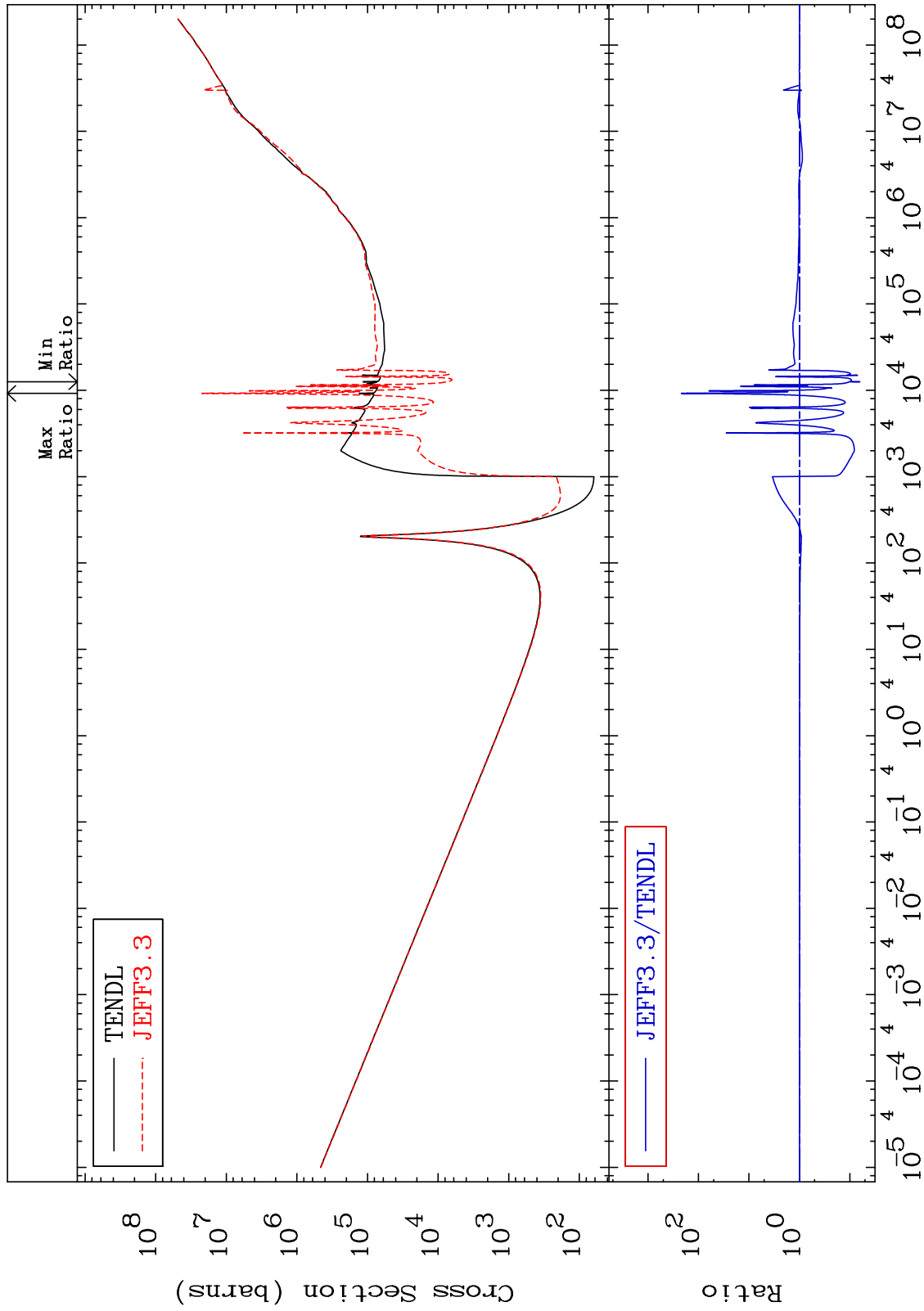
28-Ni-59
-92.23 To 9999. %



MAT 2828

Kerma total (eV-barns)
Cross Section

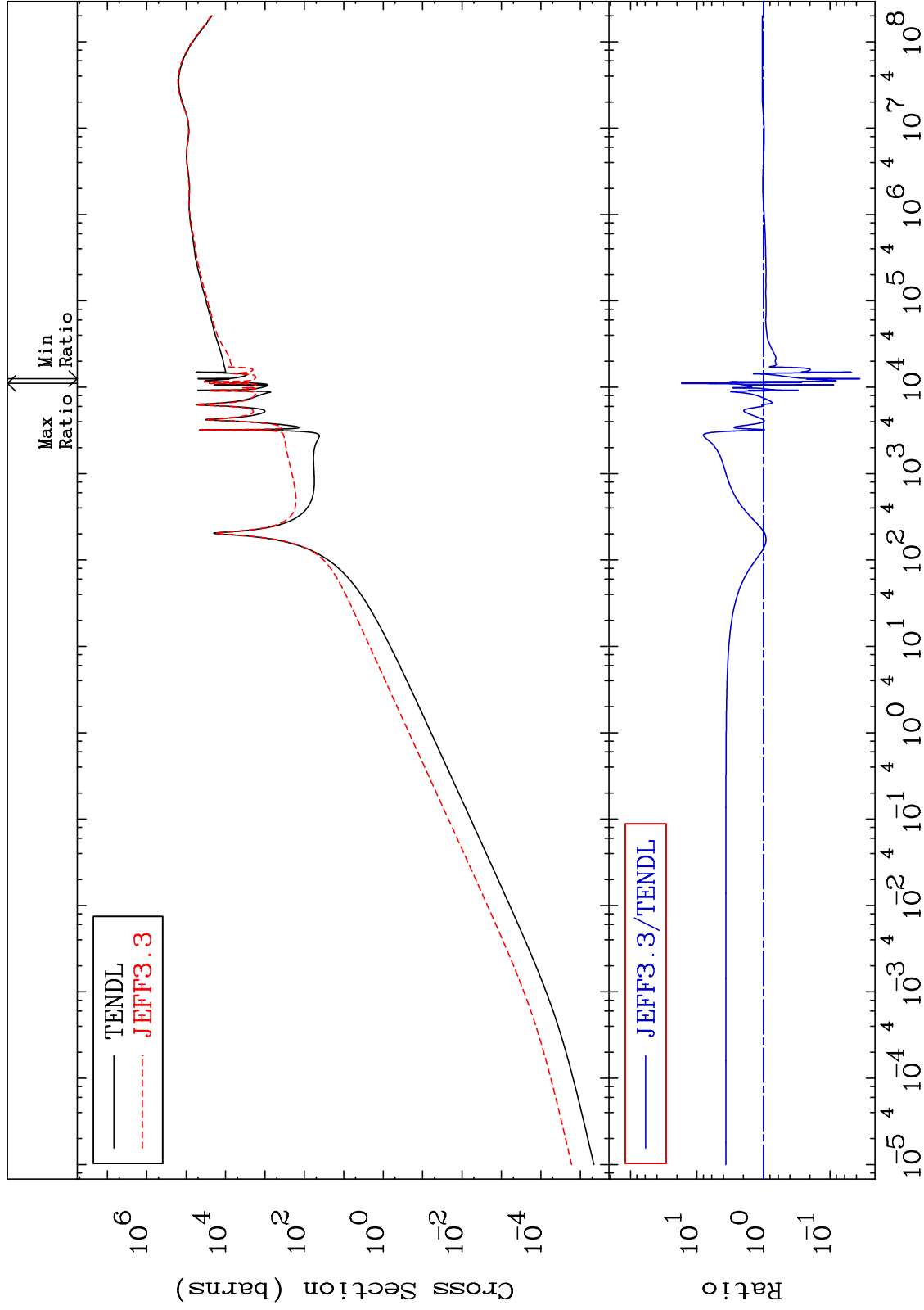
28-Ni-59
-93.64 To 9999. %



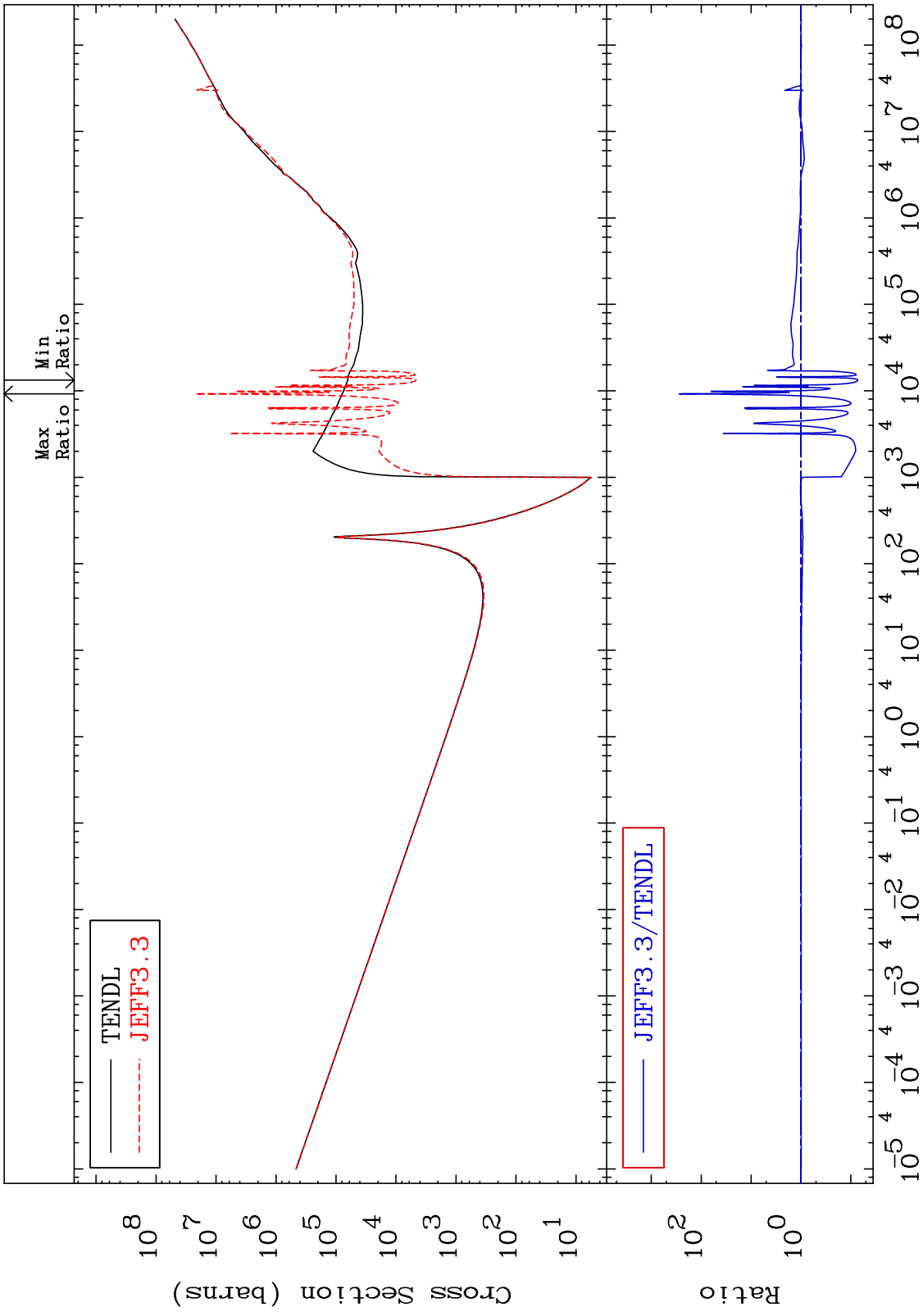
MAT 2828

Kerma elastic
Cross Section

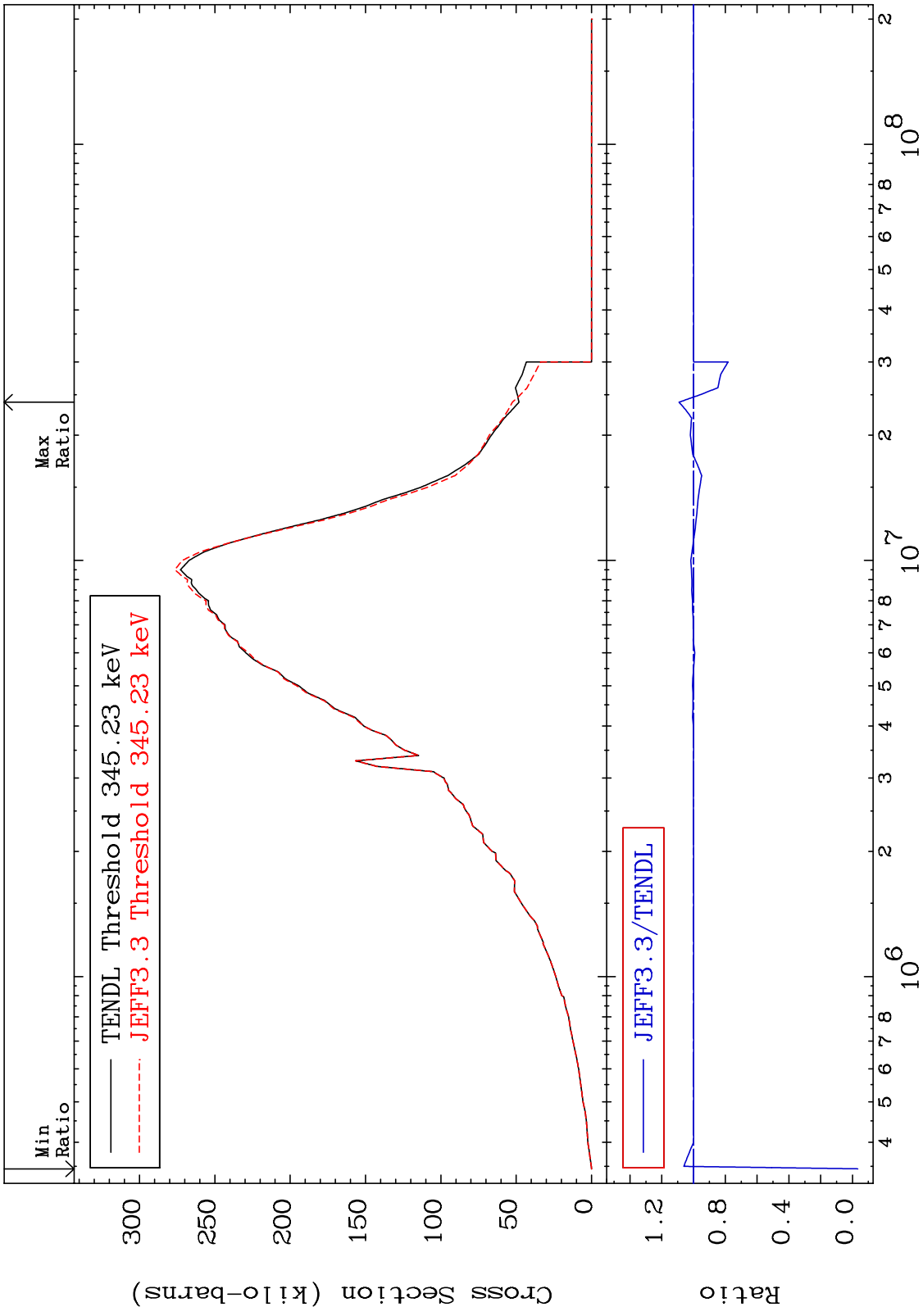
28-Ni-59
-96.44 To 1626. %



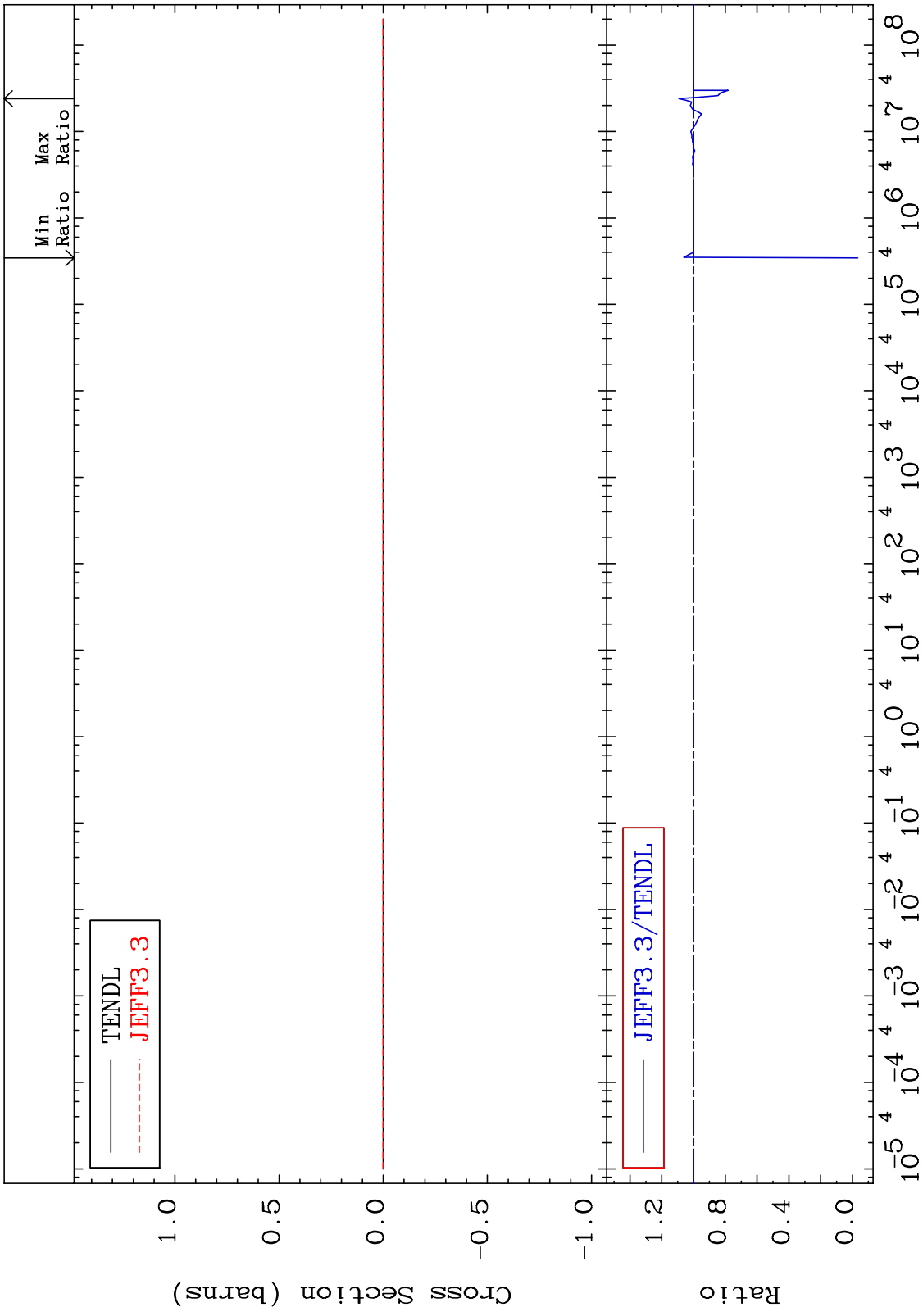
MAT 2828 Kerma non-elastic (all but mt2) 28-Ni-59
 -92.75 To 9999. %
 Cross Section



MAT 2828 Kerma inelastic (mt51-91) 28-Ni-59
 -103.4 To 9.122 %



MAT 2828 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-59
 Cross Section -103.4 To 9.122 %

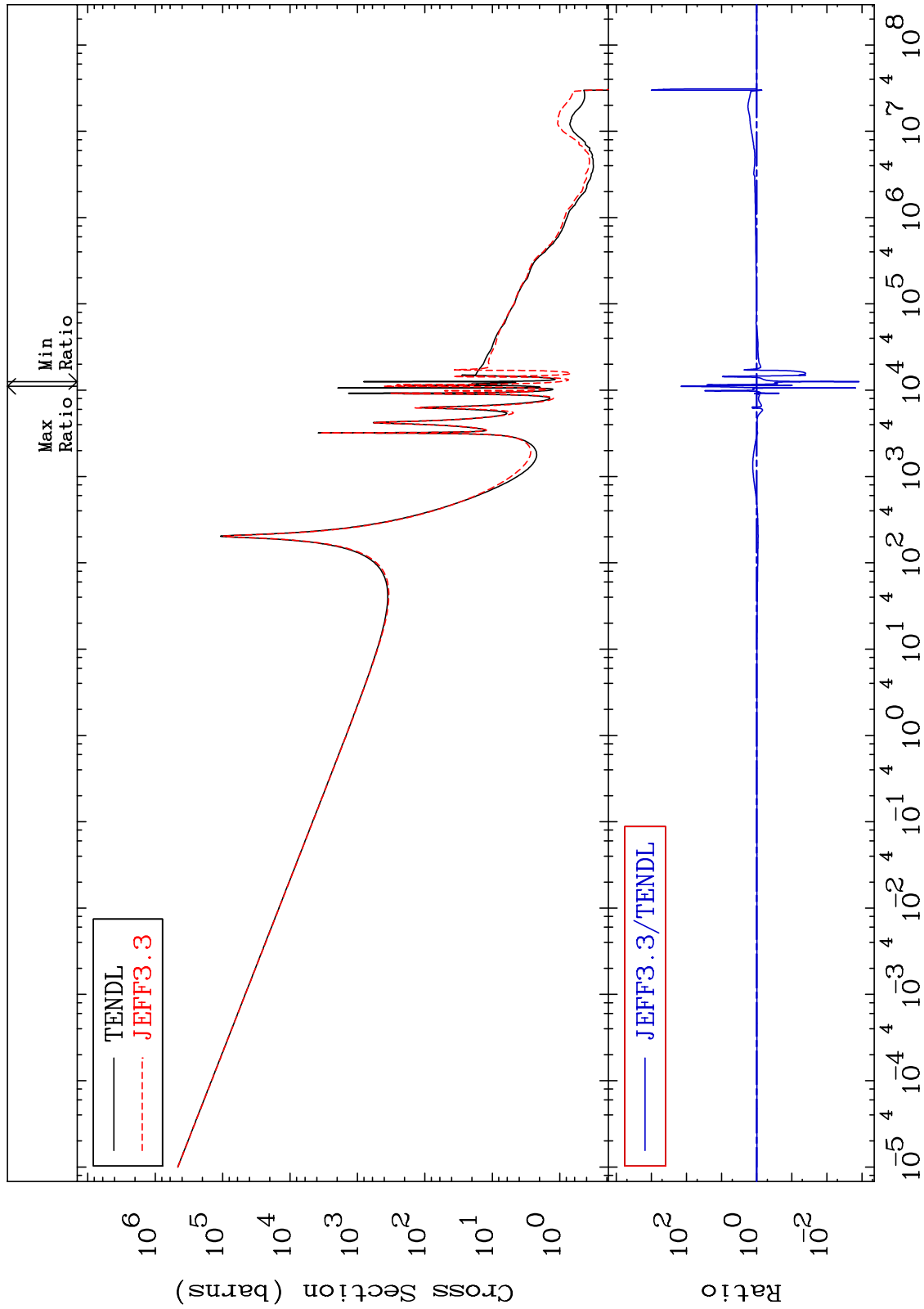


70 Incident Energy (eV) 28-Ni-59

MAT 2828

Kerma capture (mt102)
Cross Section

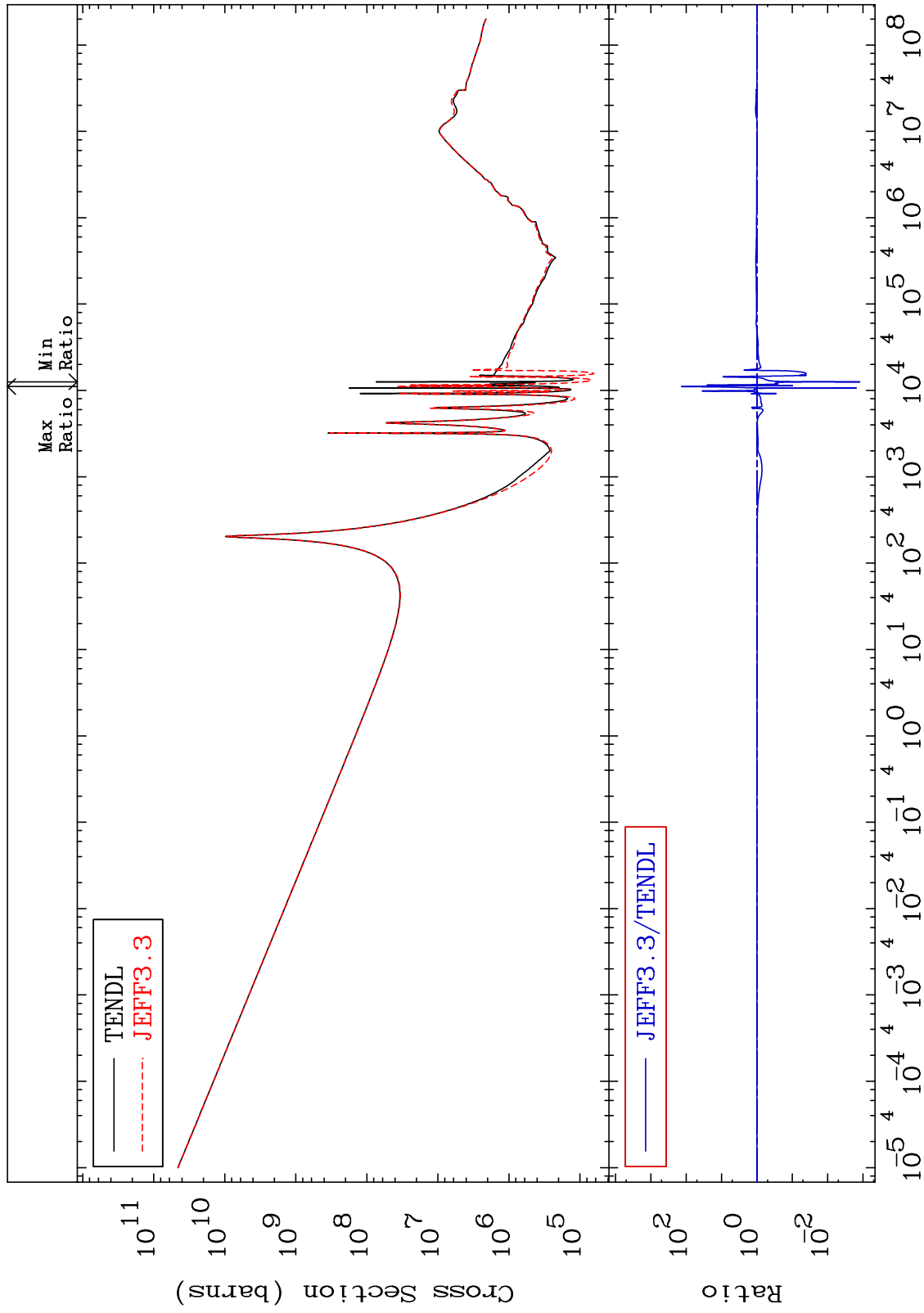
28-Ni-59
-99.88 To 9999. %



MAT 2828

Total photon (eV-barns)
Cross Section

28-Ni-59
-99.88 To 9999. %

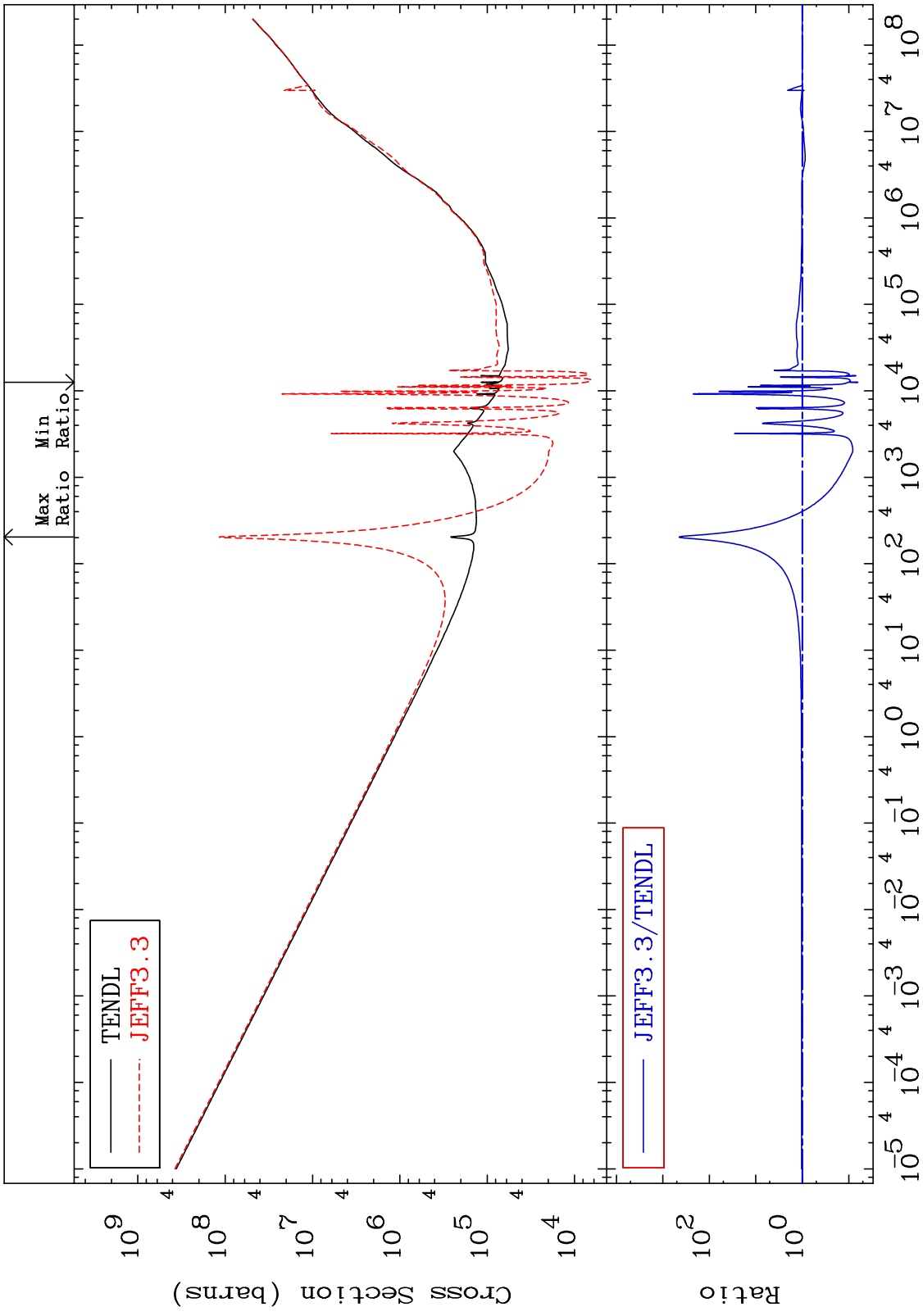


72

Incident Energy (eV)

28-Ni-59

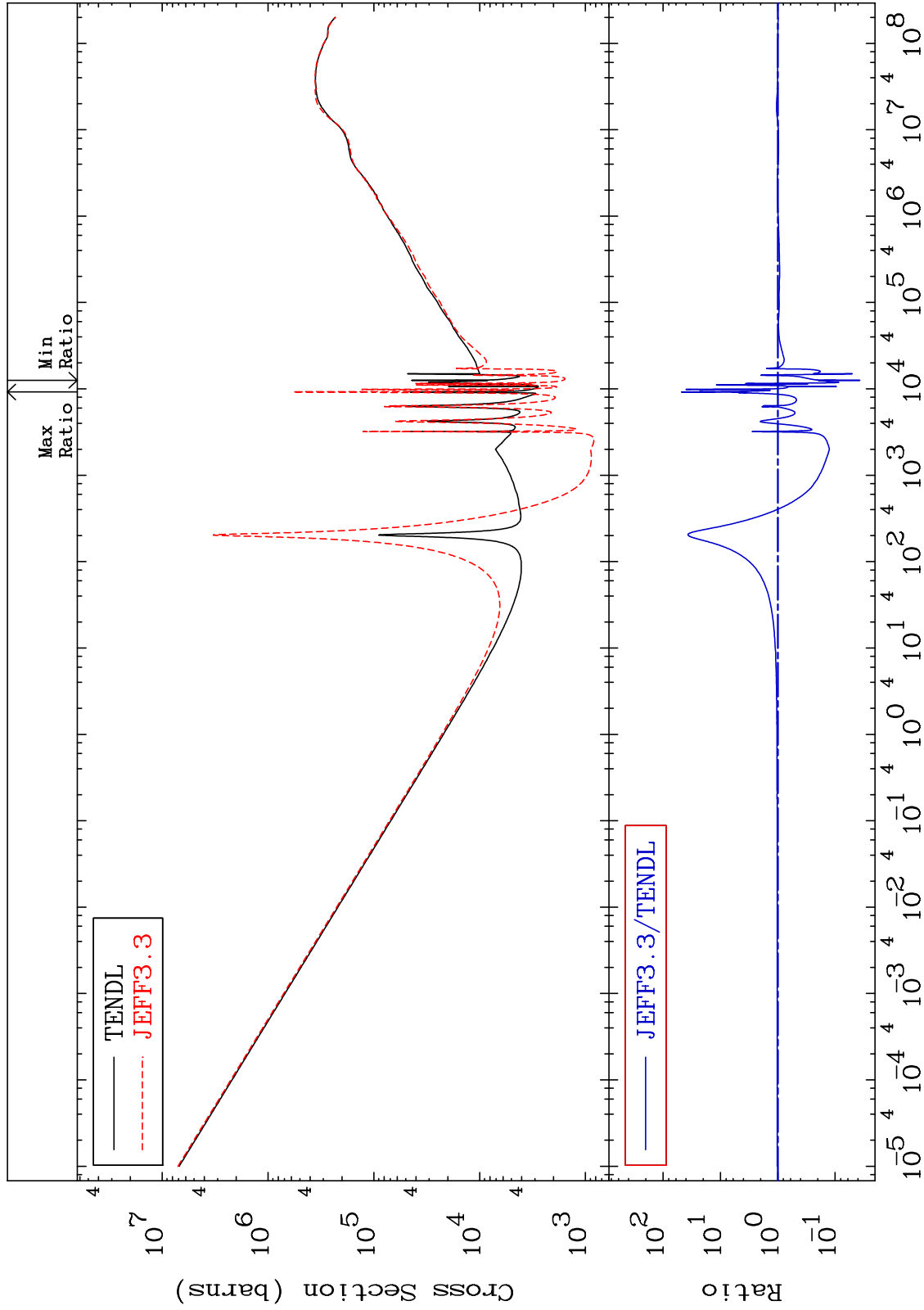
MAT 2828 Total kinematic kerma (high limit) 28-Ni-59
 Cross Section -93.63 To 9999. %



MAT 2828

Dpa total (eV-barns)
Cross Section

28-Ni-59
-96.28 To 4737. %



74

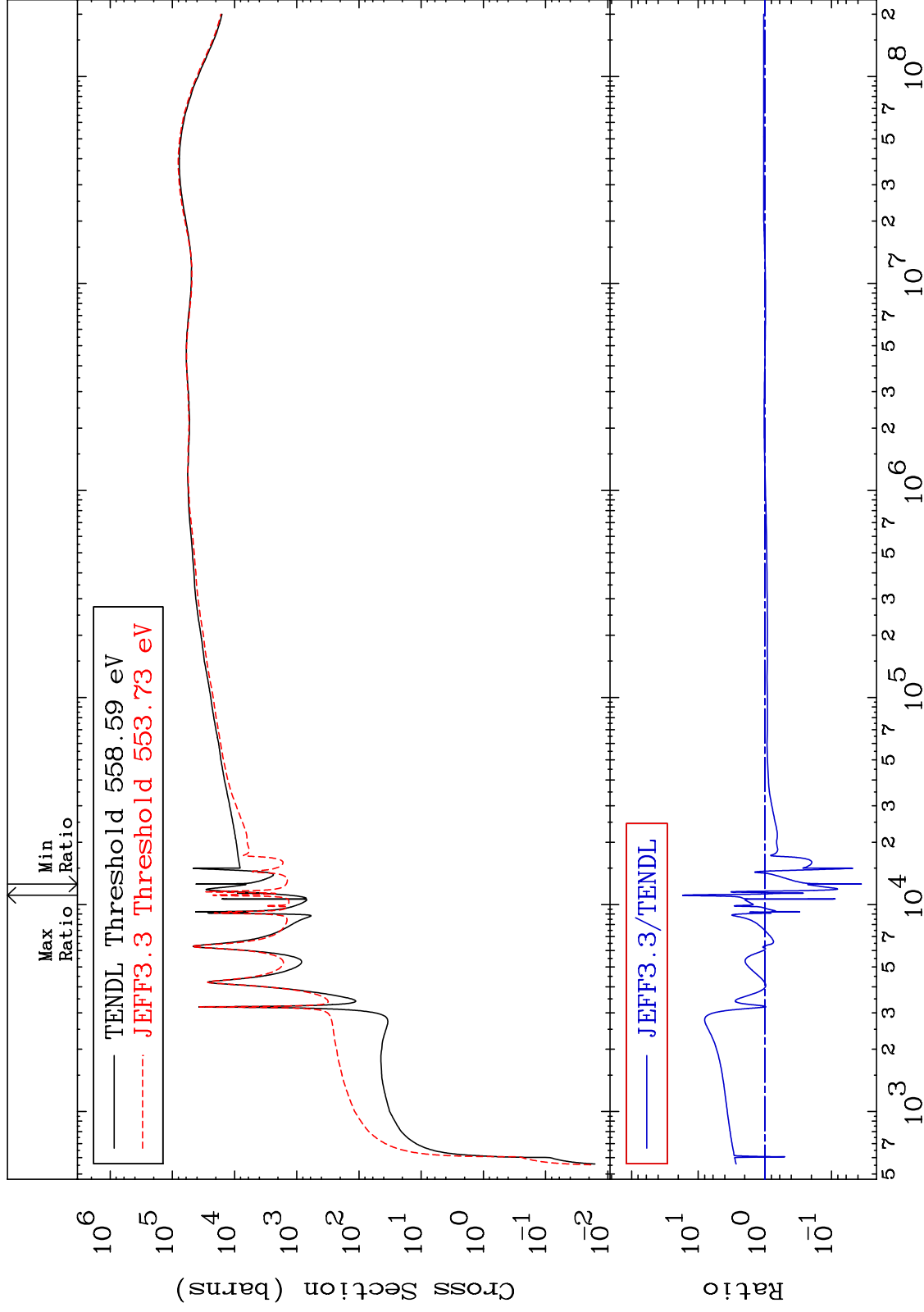
Incident Energy (eV)

28-Ni-59

MAT 2828

Dpa elastic (mt2)
Cross Section

28-Ni-59
-96.44 To 1626. %

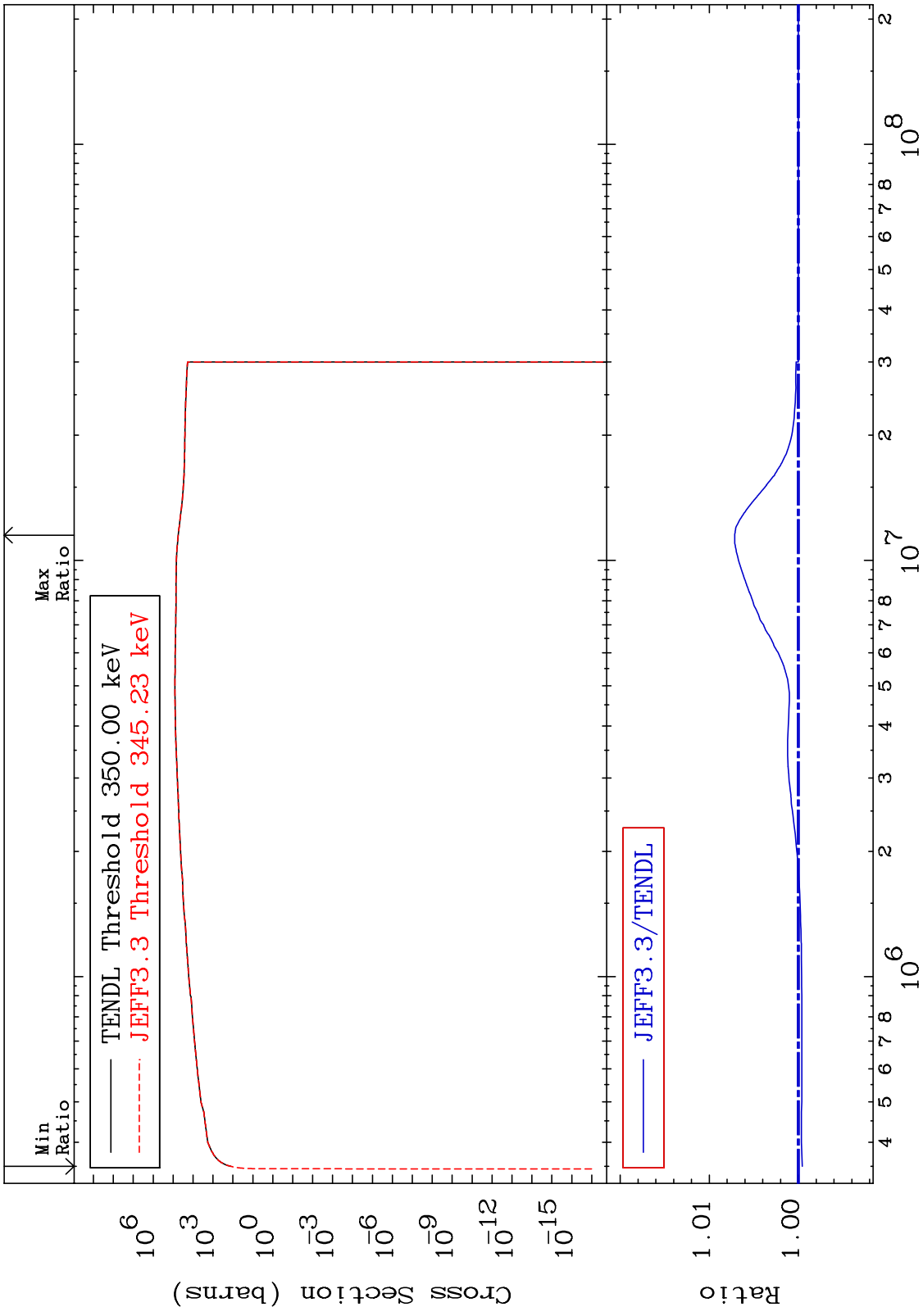


75

Incident Energy (eV)

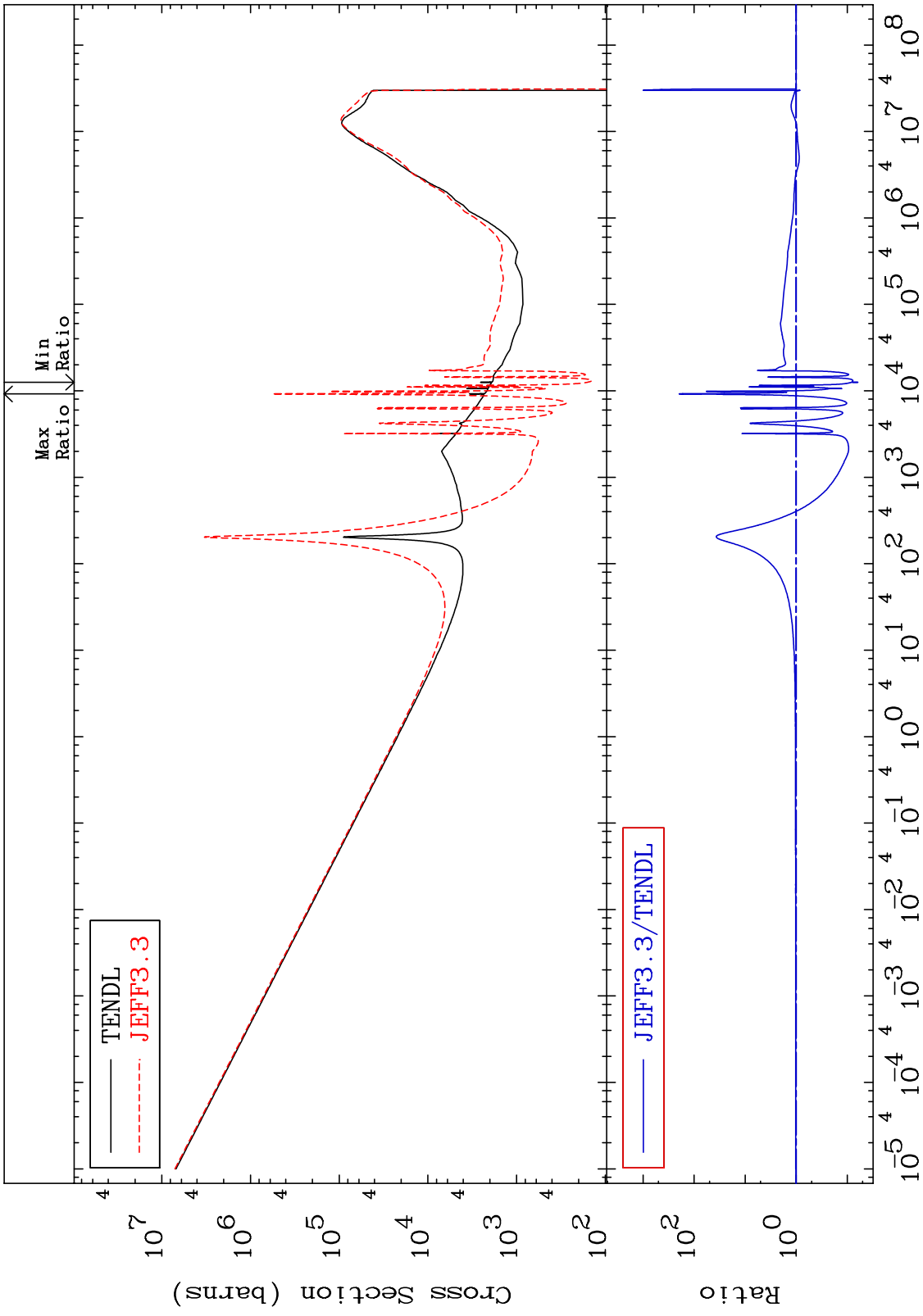
28-Ni-59

MAT 2828 Dpa inelastic (mt51-91) 28-Ni-59
 Cross Section -0.043 To 0.716 %

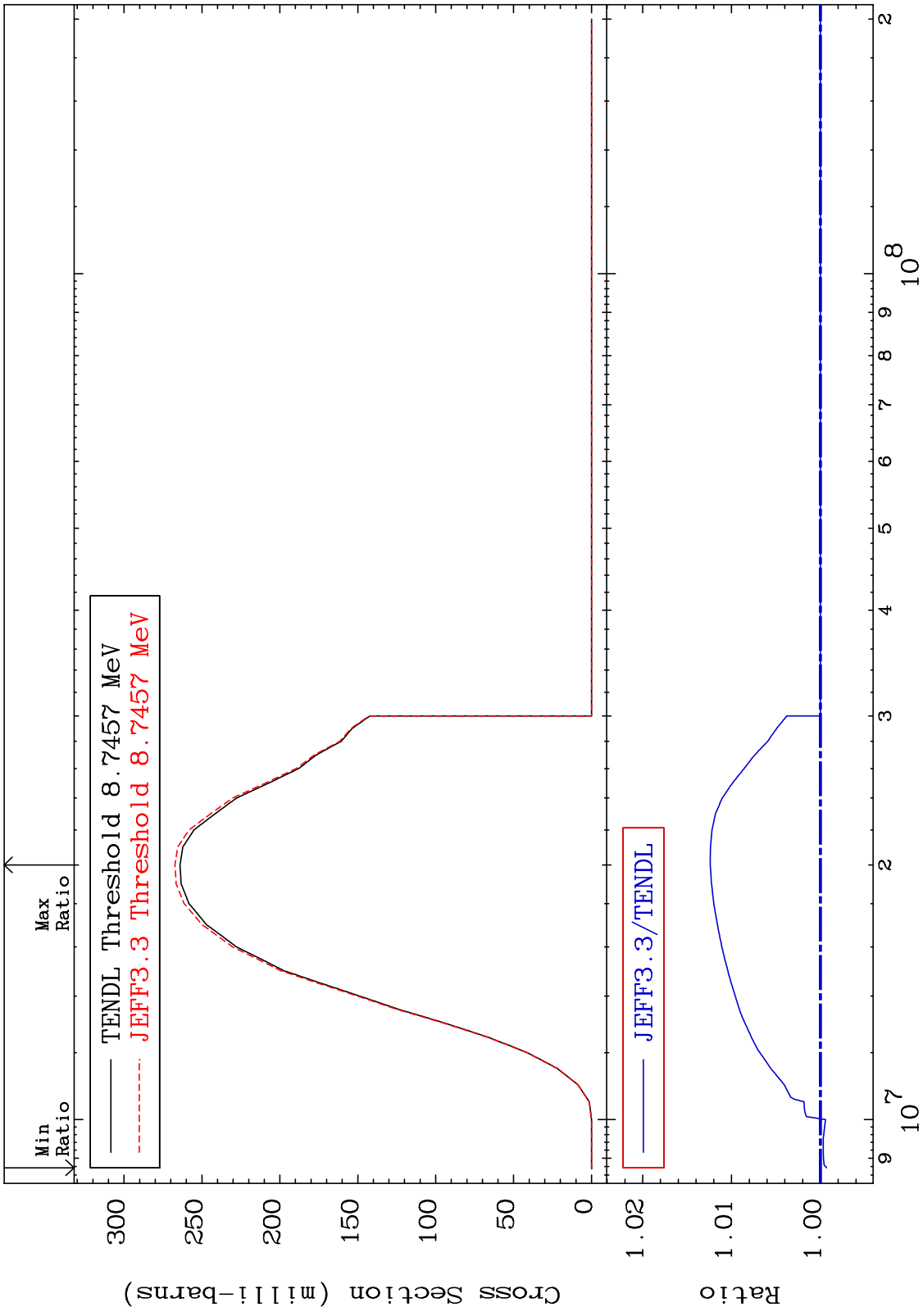


76 Incident Energy (eV) 28-Ni-59

MAT 2828 Dpa disappearance (mt102 -120) 28-Ni-59
 Cross Section -93.80 To 9999. %



MAT 2828 (n,n') p:27-Co-58g 28-Ni-59
 Radionuclide Production Cross Section -0.070 To 1.239 %



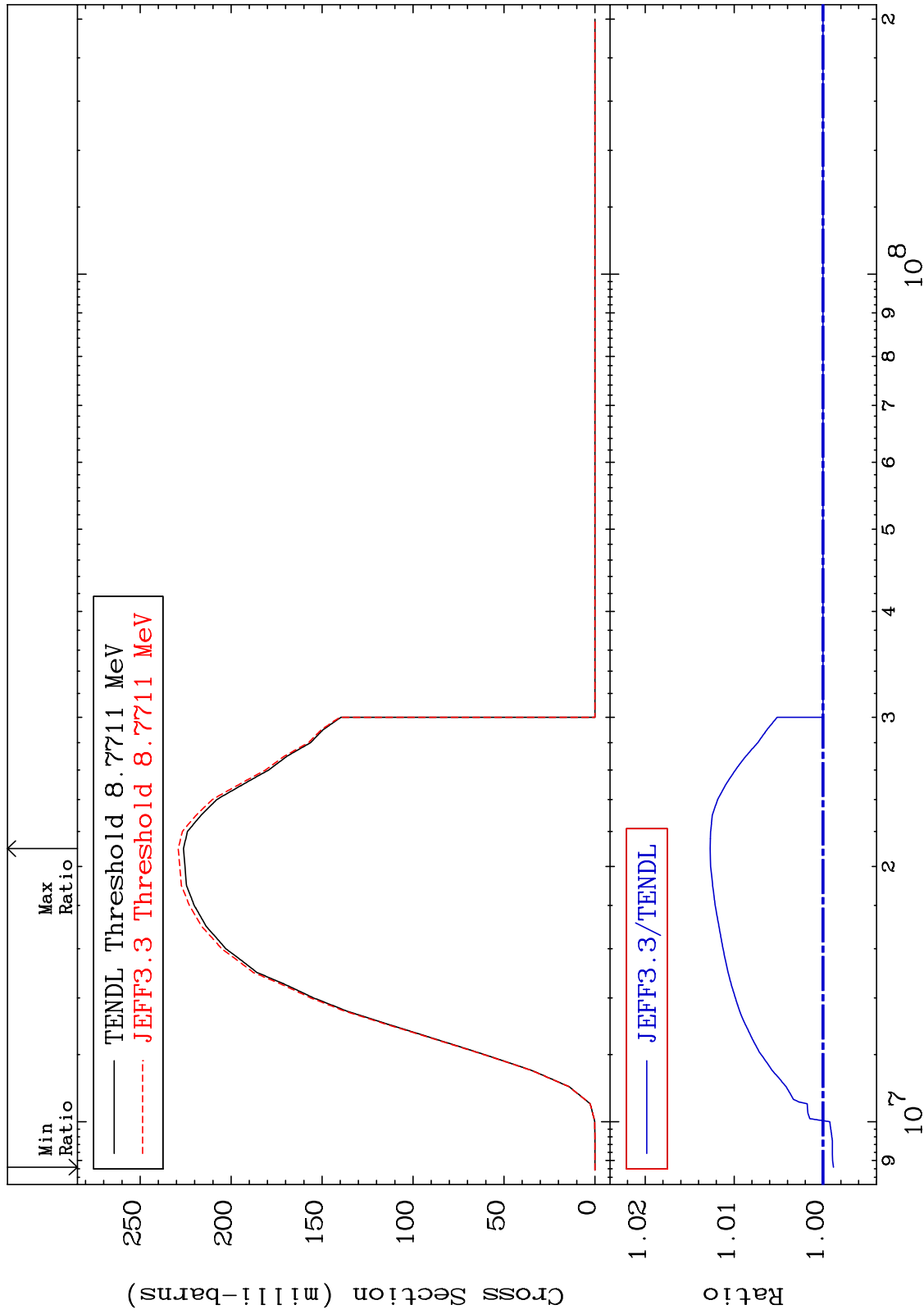
78 Incident Energy (eV) 28-Ni-59

MAT 2828

(n, n') p:27-Co-58m1

28-Ni-59

Radionuclide Production Cross Section -0.118 To 1.269 %

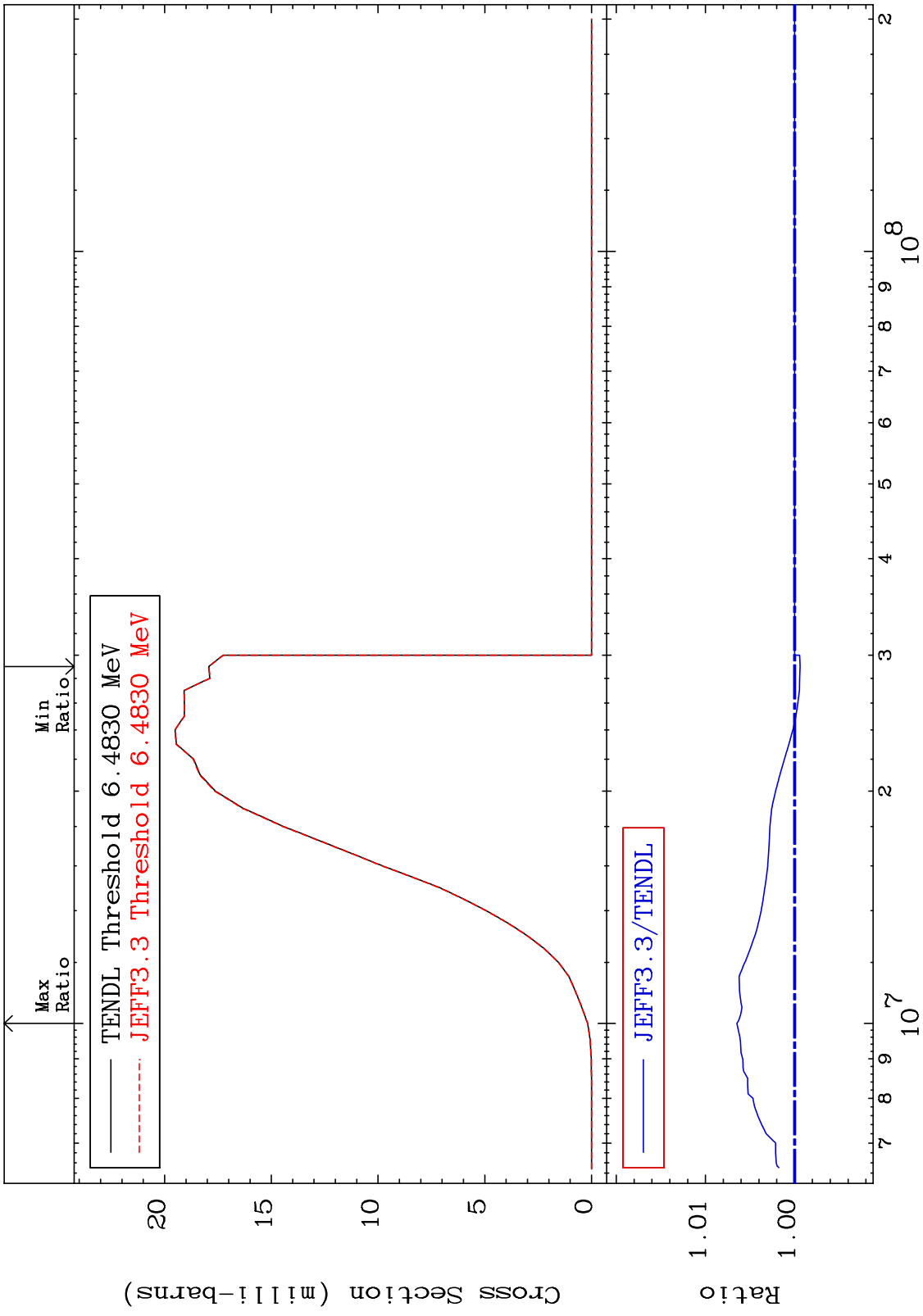


79

Incident Energy (eV)

28-Ni-59

MAT 2828 (n,d):27-Co-58g 28-Ni-59
Radionuclide Production Cross Section -0.061 To 0.648 %



80 28-Ni-59

MAT 2828 (n,d):27-Co-58m1 28-Ni-59
 Radionuclide Production Cross Section 0.000 To 0.730 %

