

Program Complot
(Version 2021-1)

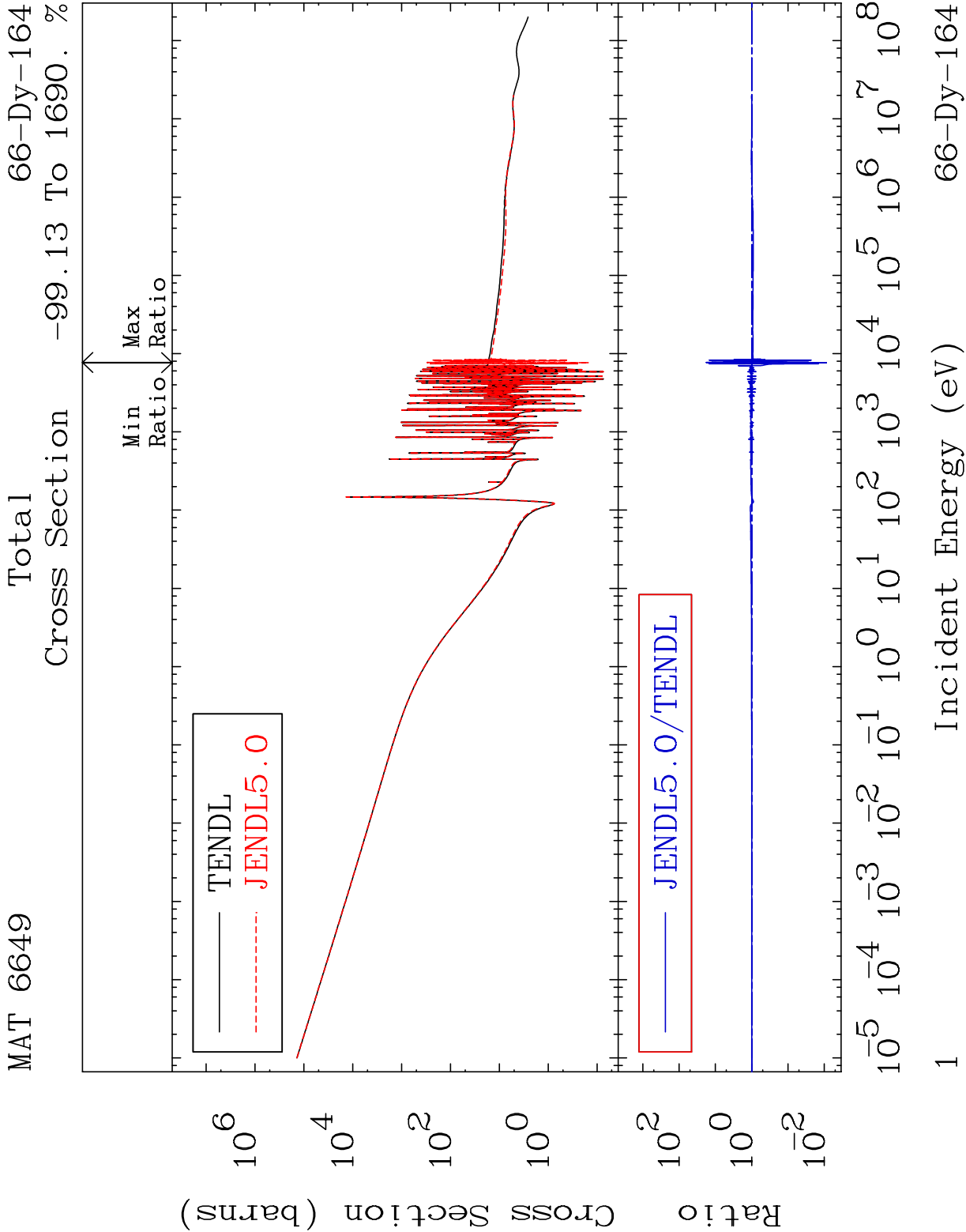
by

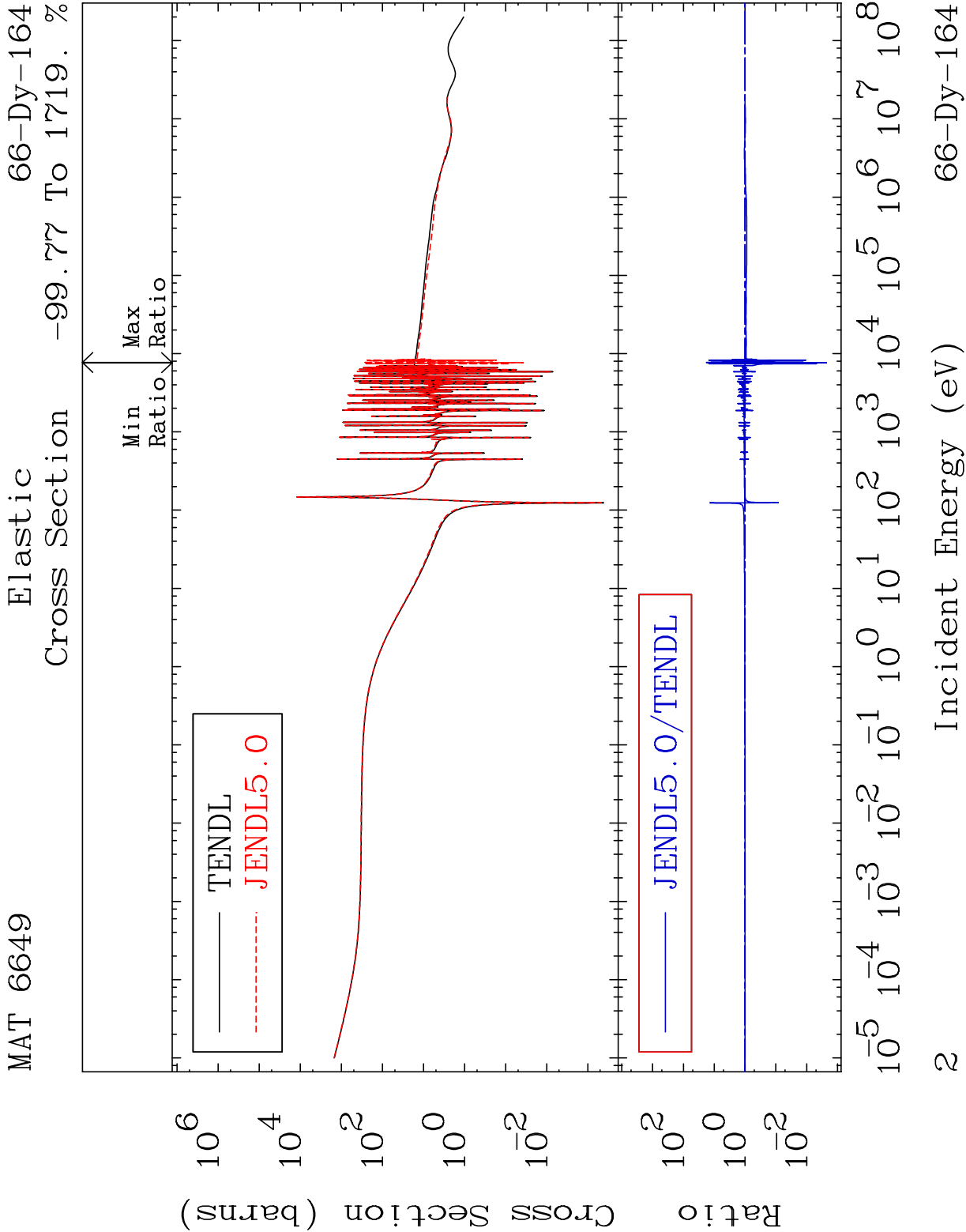
Dermott E. Cullen
(Present Contact Information)

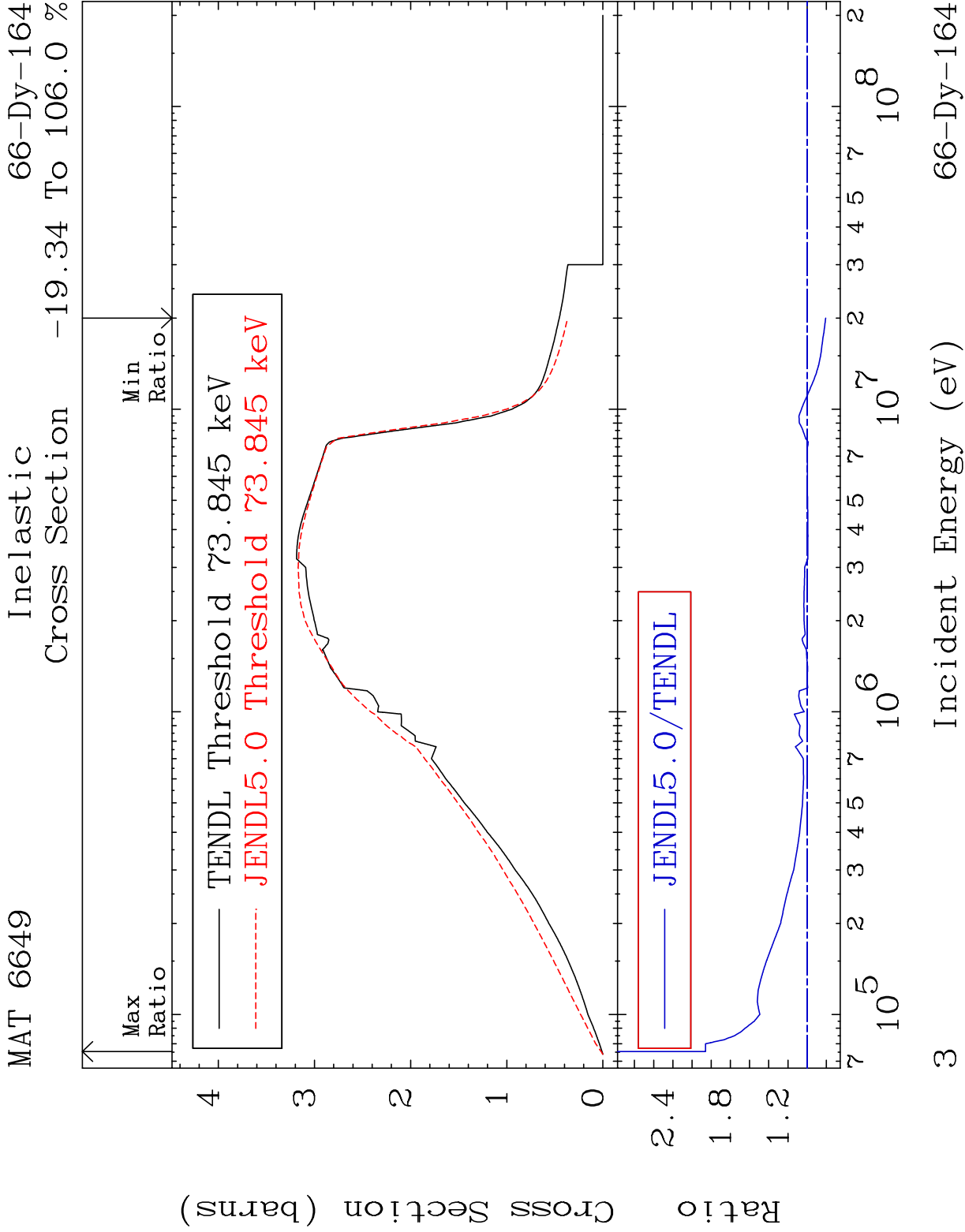
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

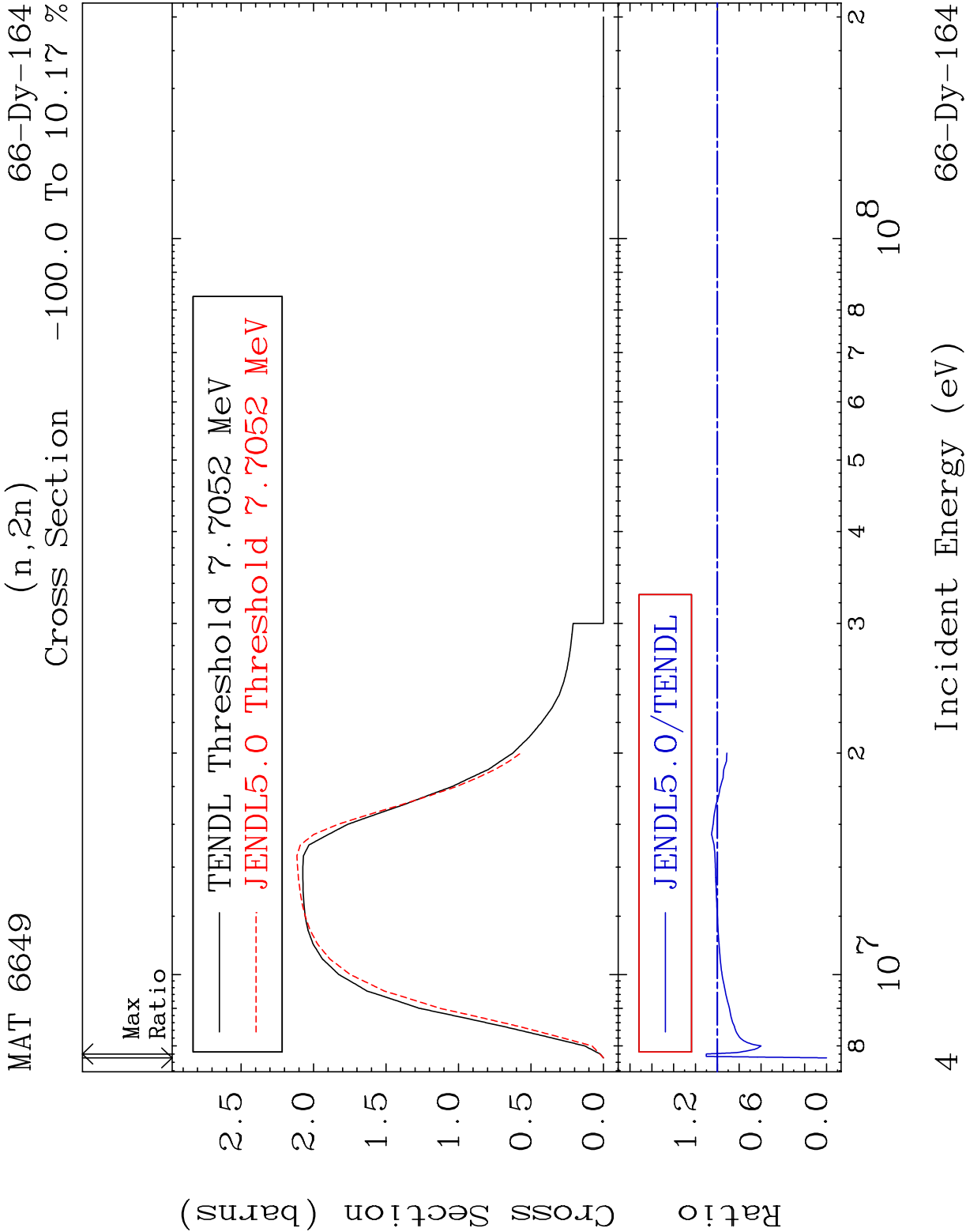
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

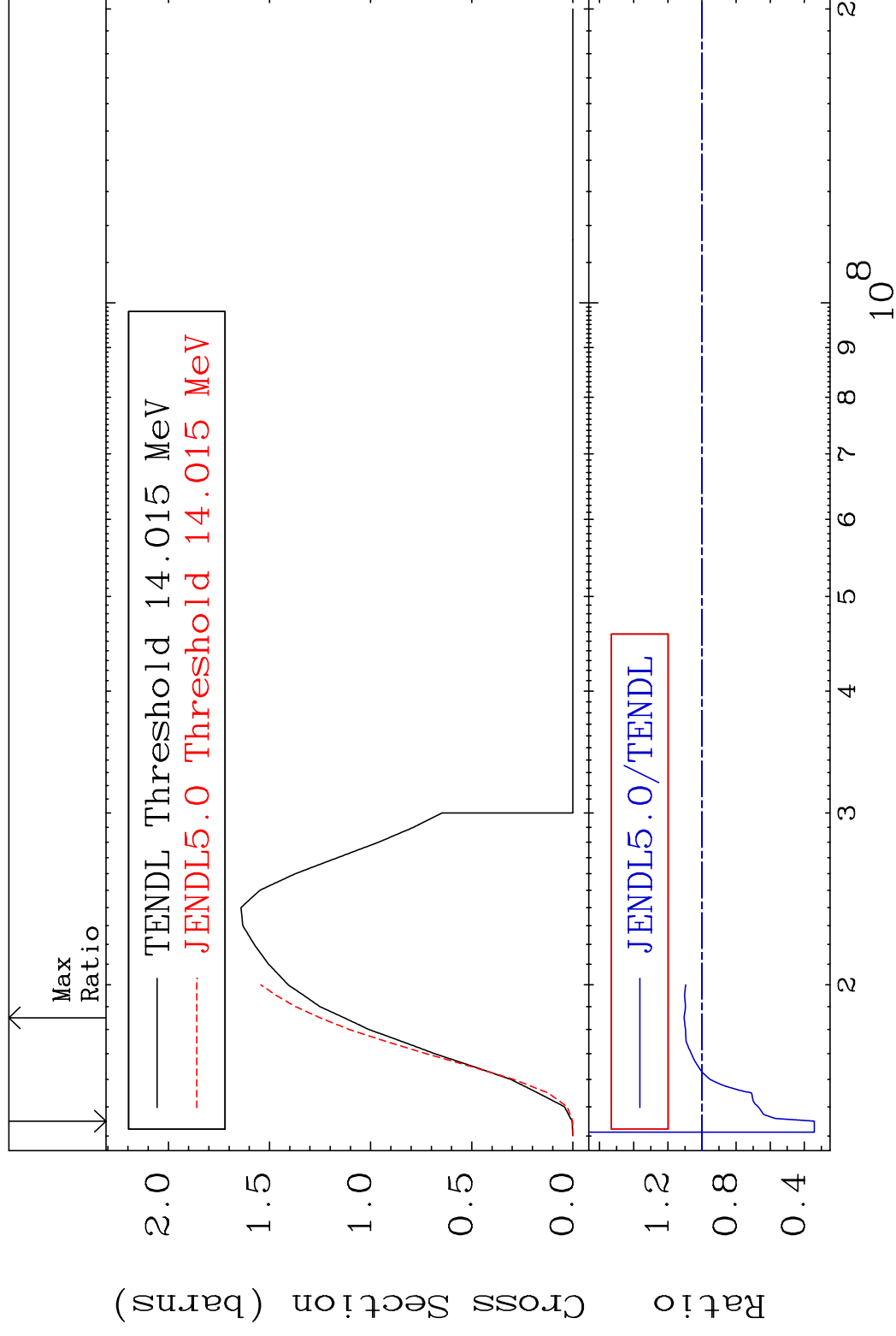
Press Mouse Button to Start

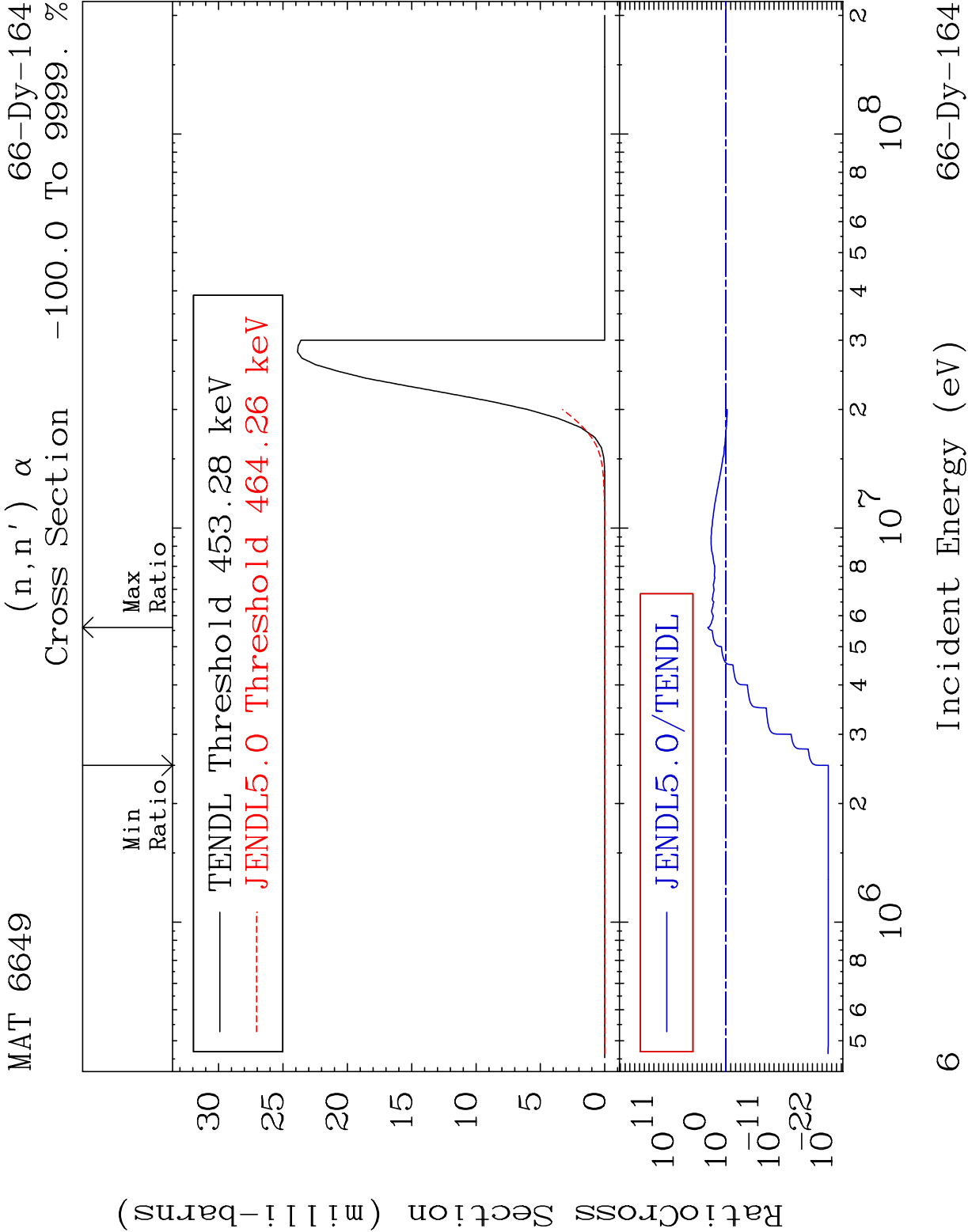


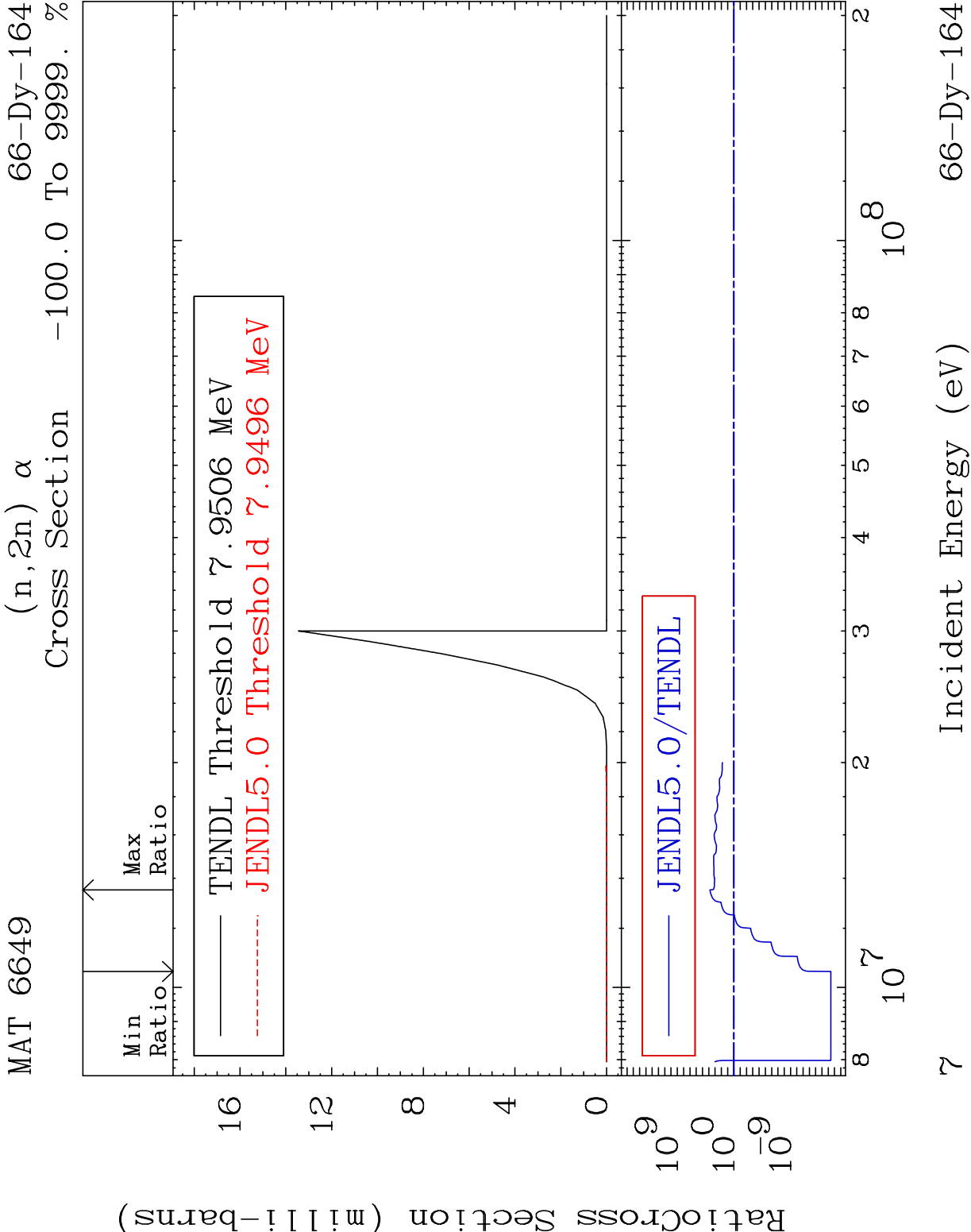


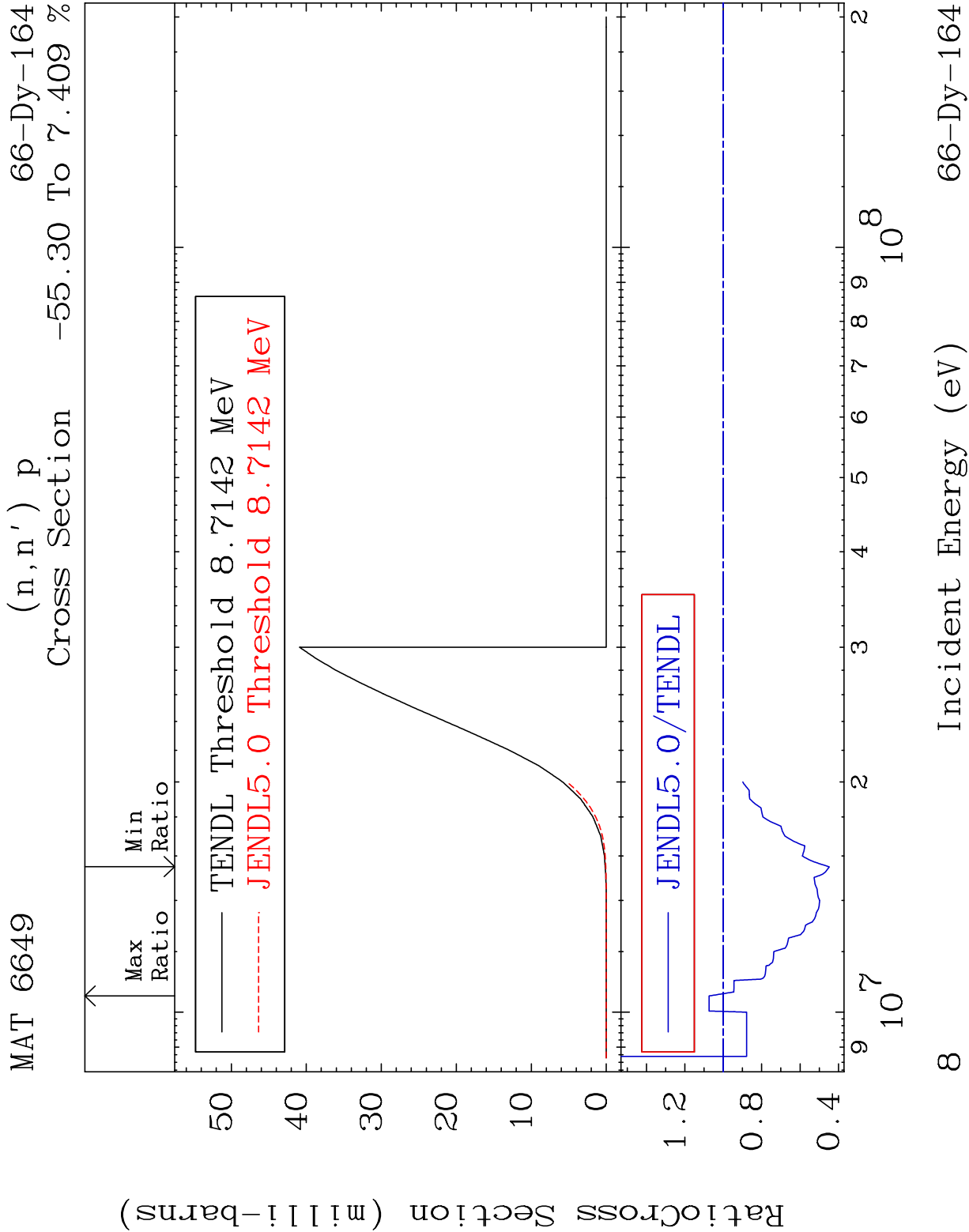


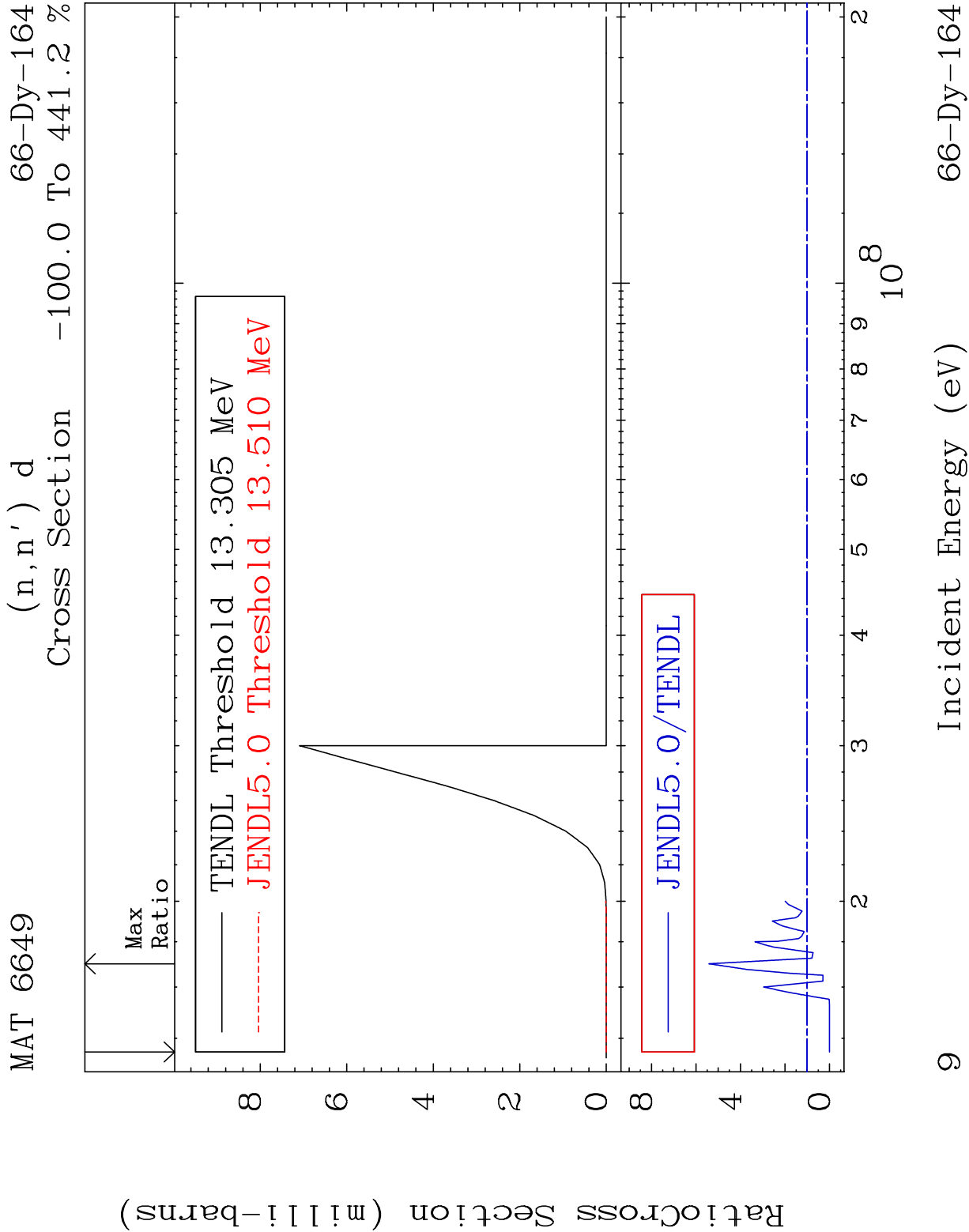


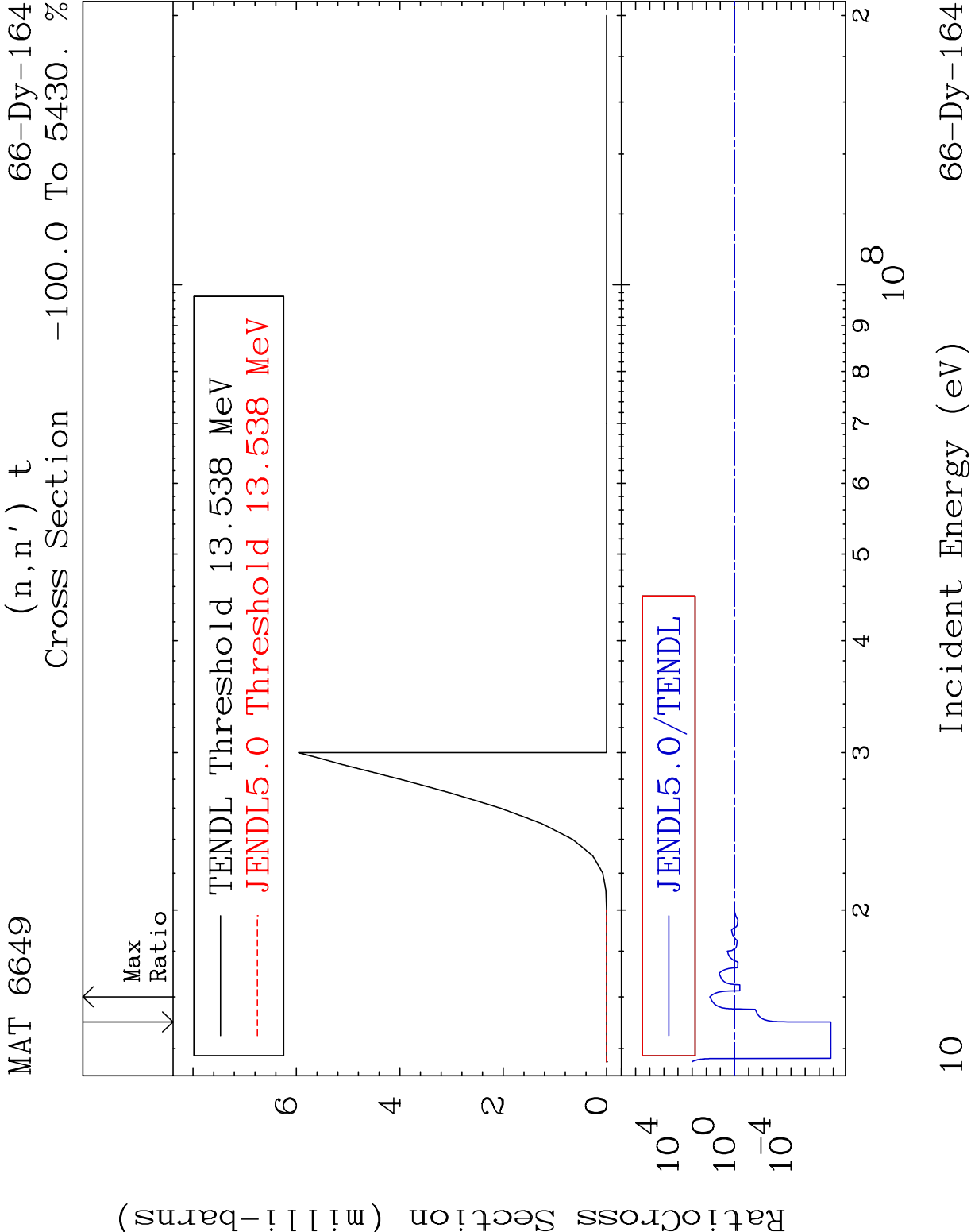




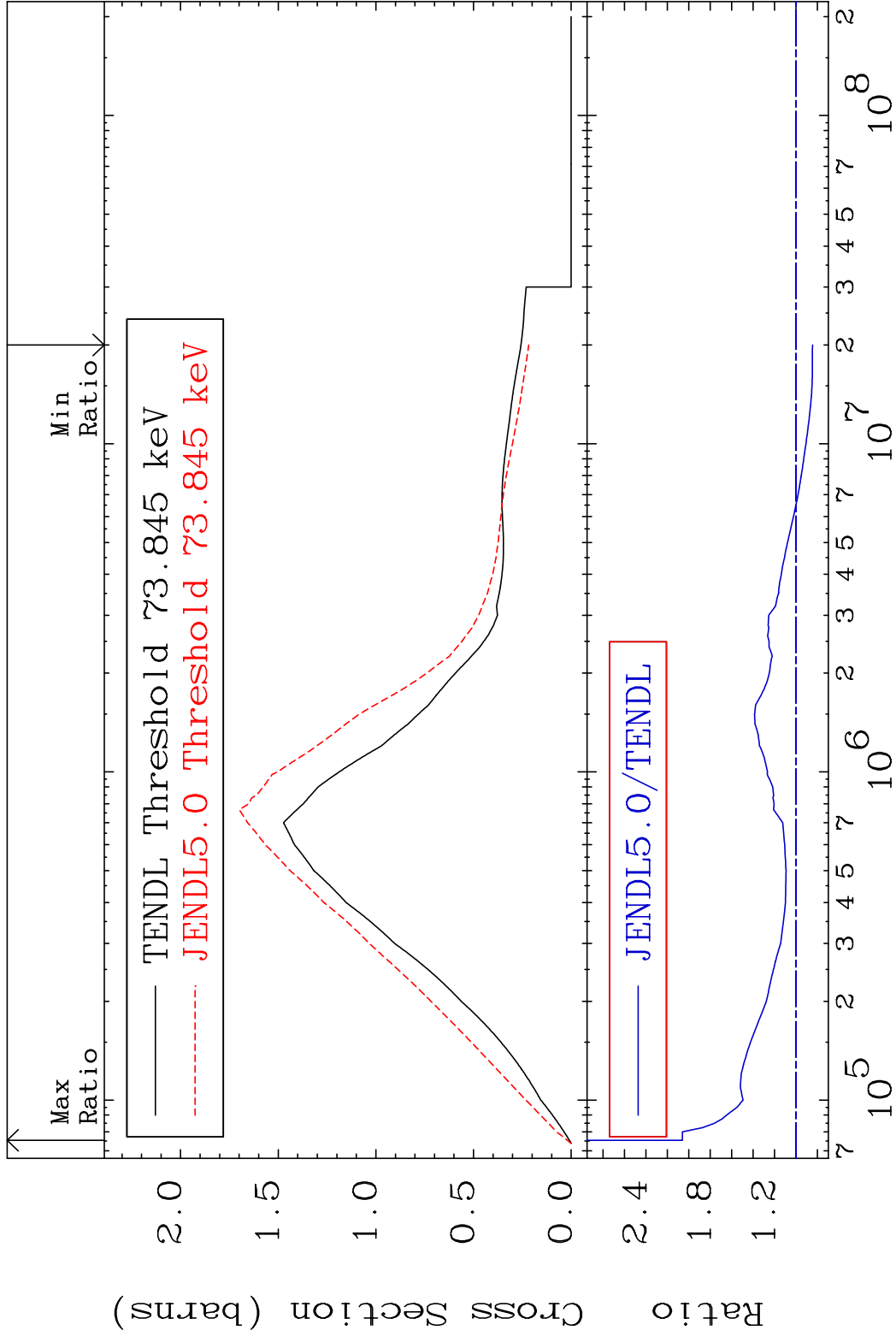




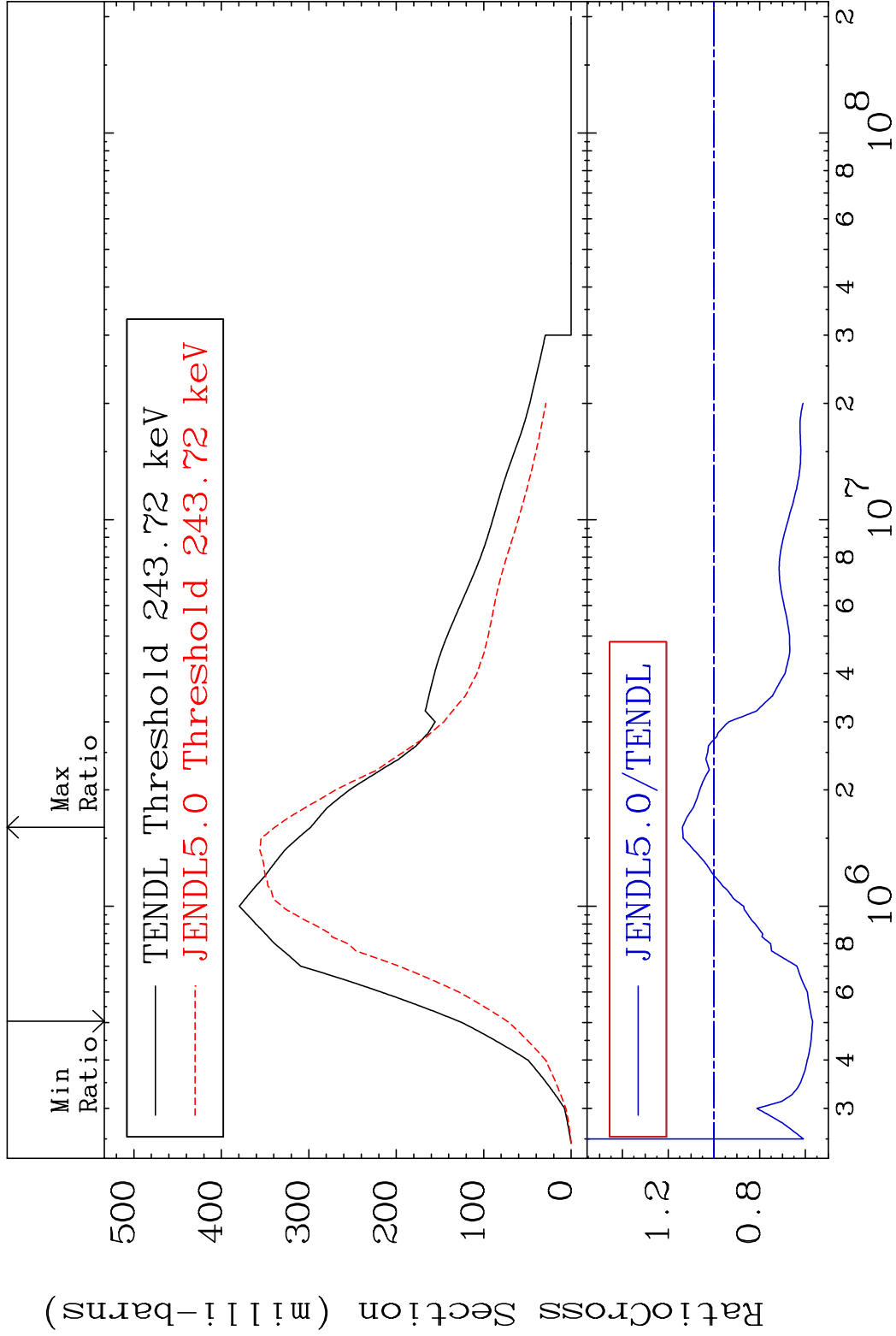




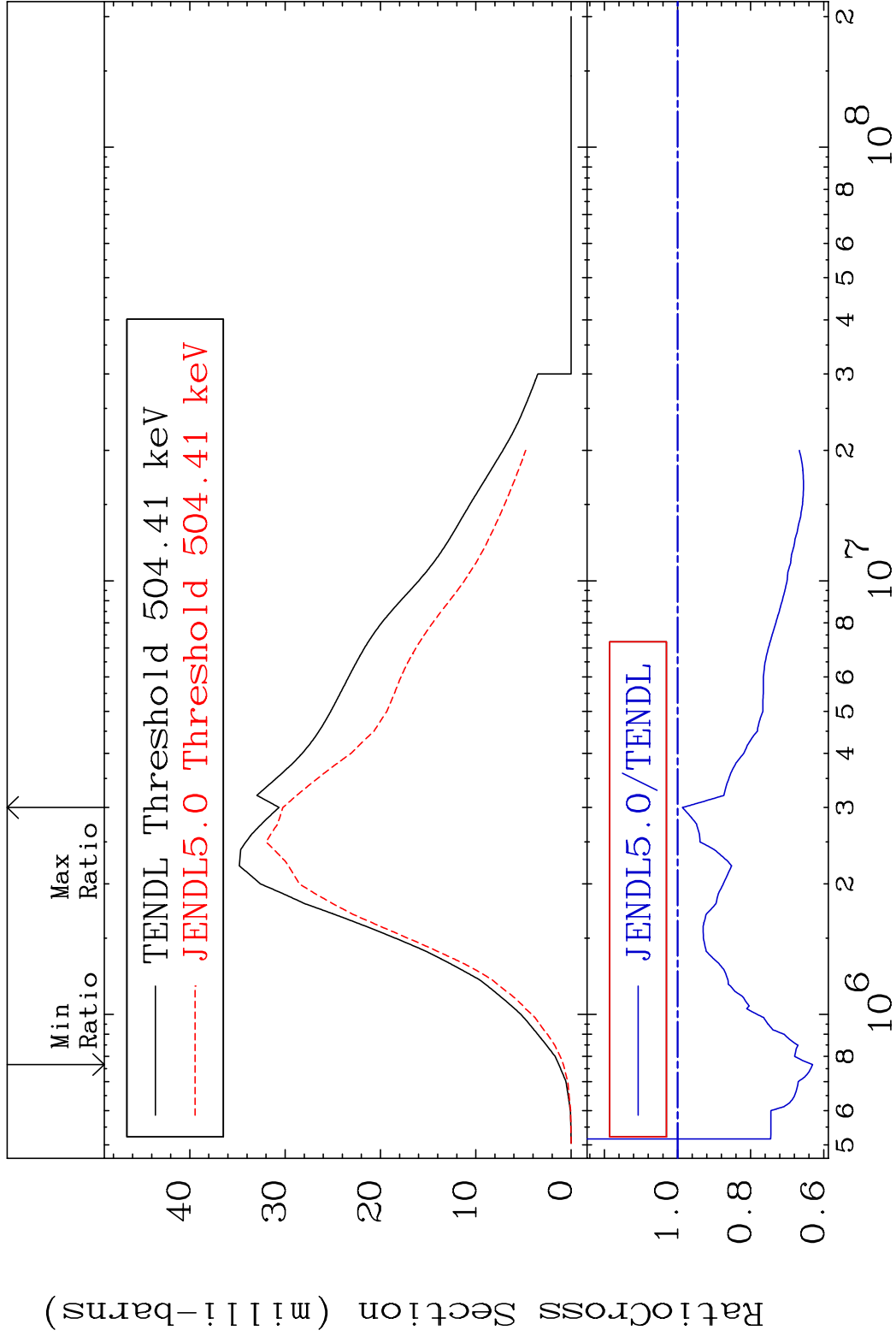
MAT 6649 MT= 51 (n,n') Level 66-Dy-164
Cross Section -15.44 To 106.0 %

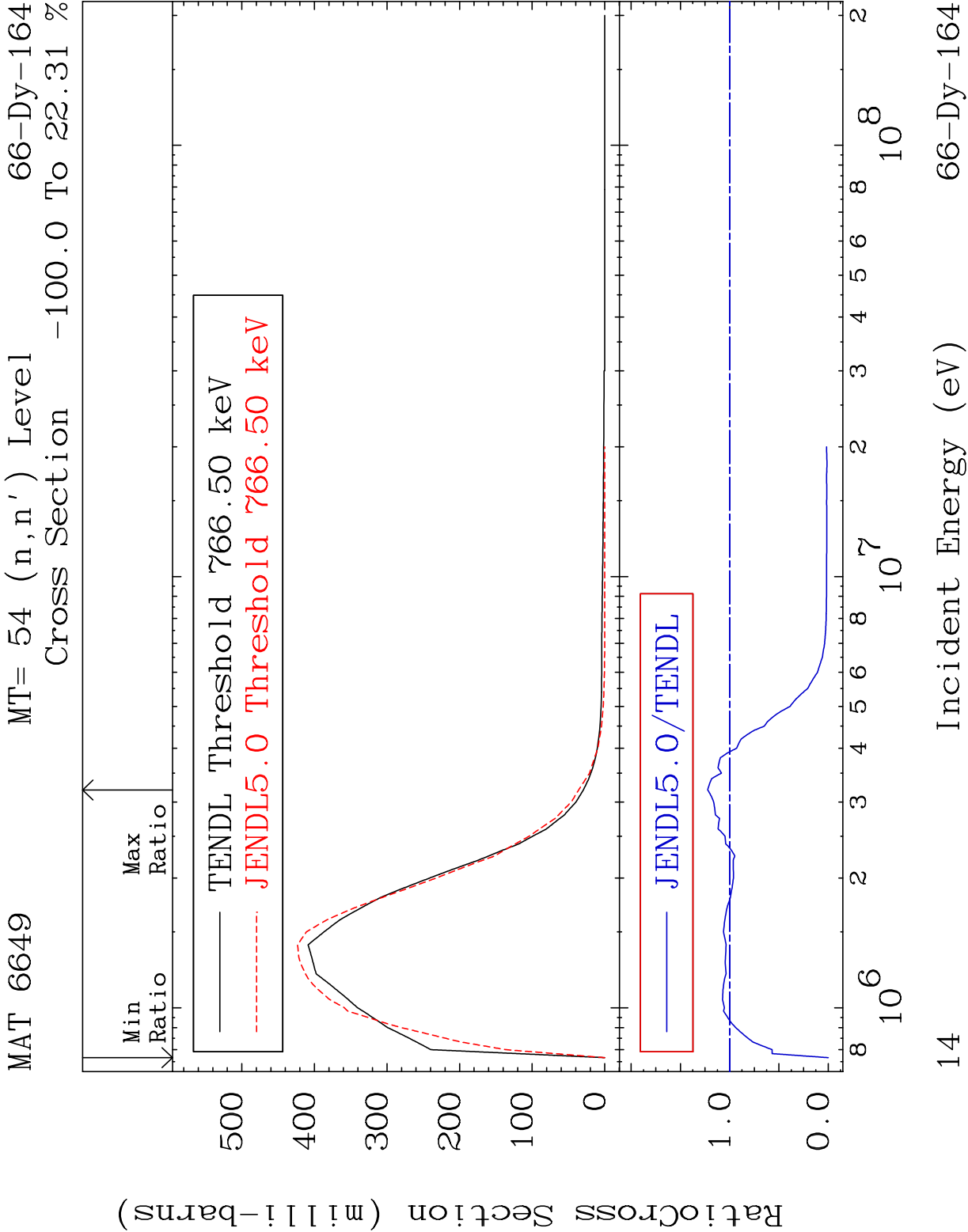


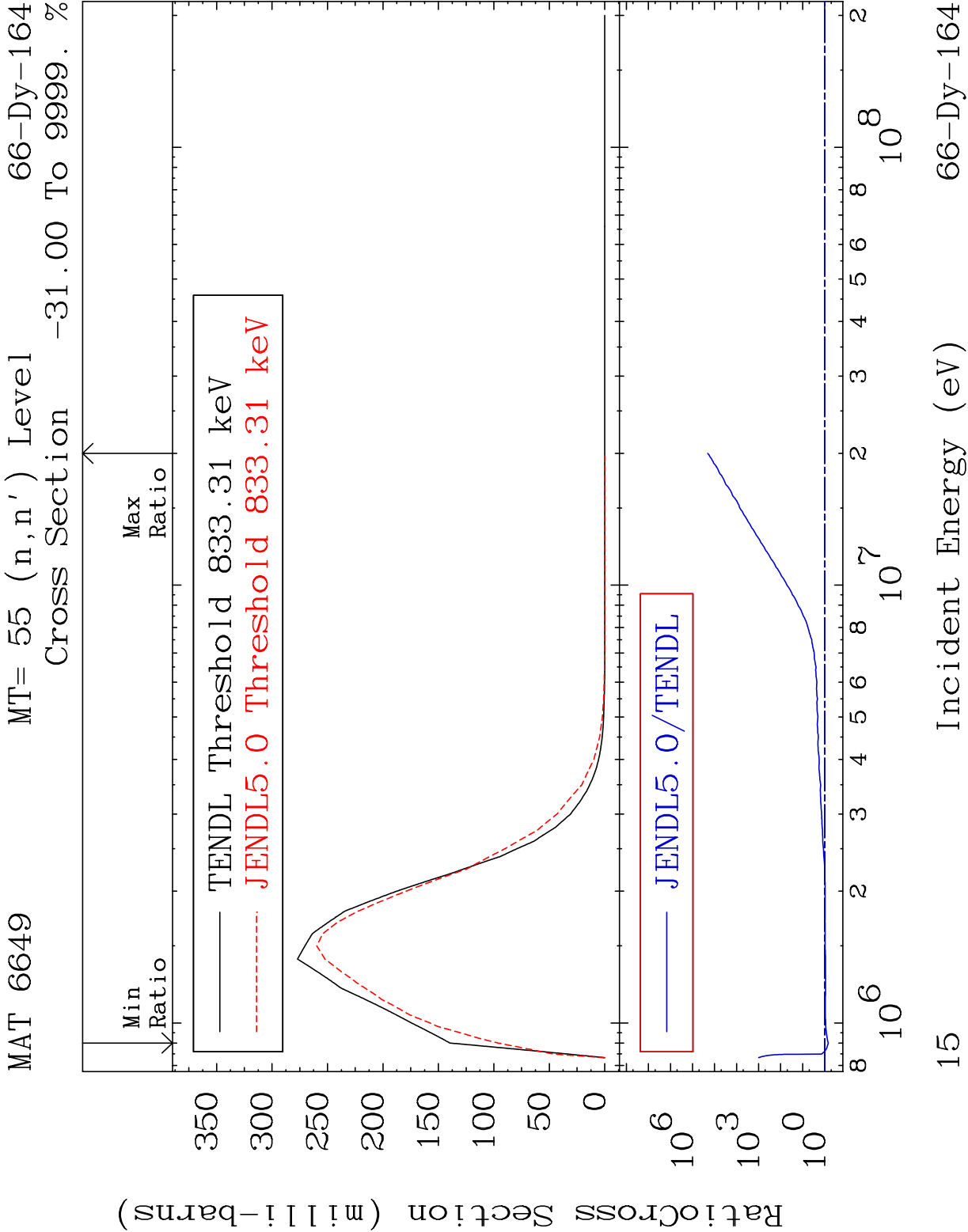
MAT 6649 MT= 52 (n,n') Level 66-Dy-164
Cross Section -43.13 To 13.81 %



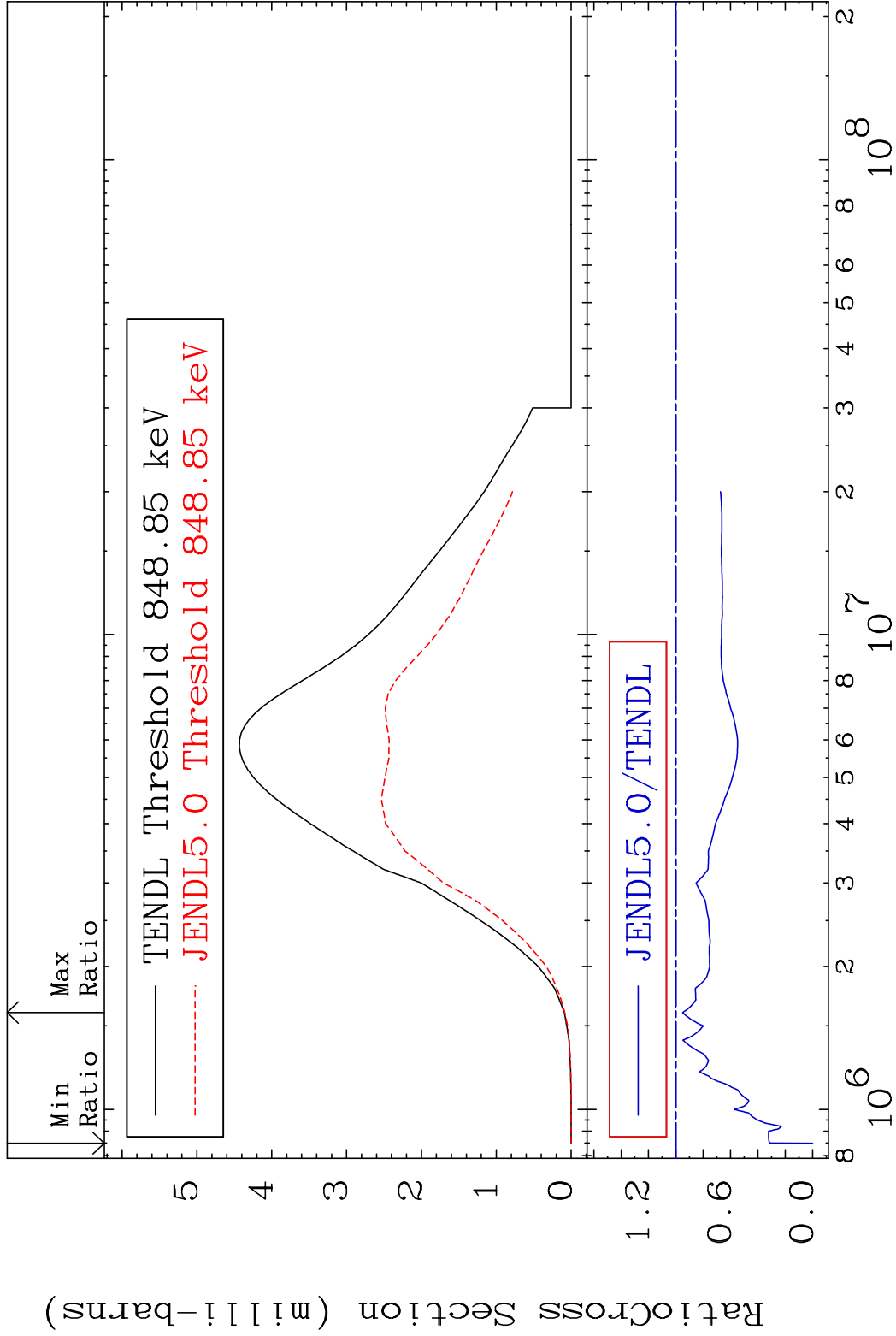
MAT 6649 MT= 53 (n,n') Level 66-Dy-164
Cross Section -36.96 To -1.322%







MAT 6649 MT= 56 (n,n') Level 66-Dy-164
Cross Section -100.0 To -4.758%



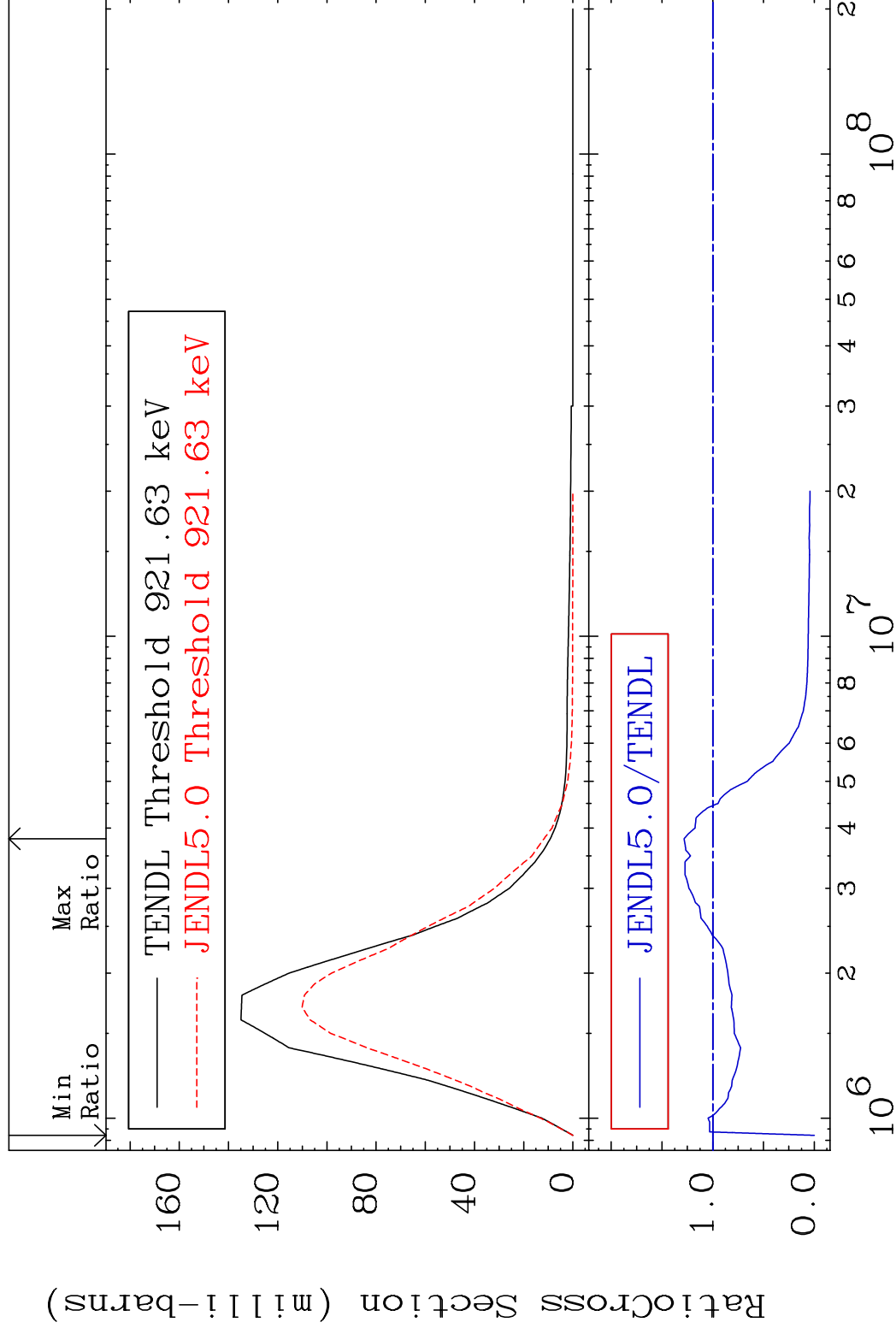
16 Incident Energy (eV) 66-Dy-164

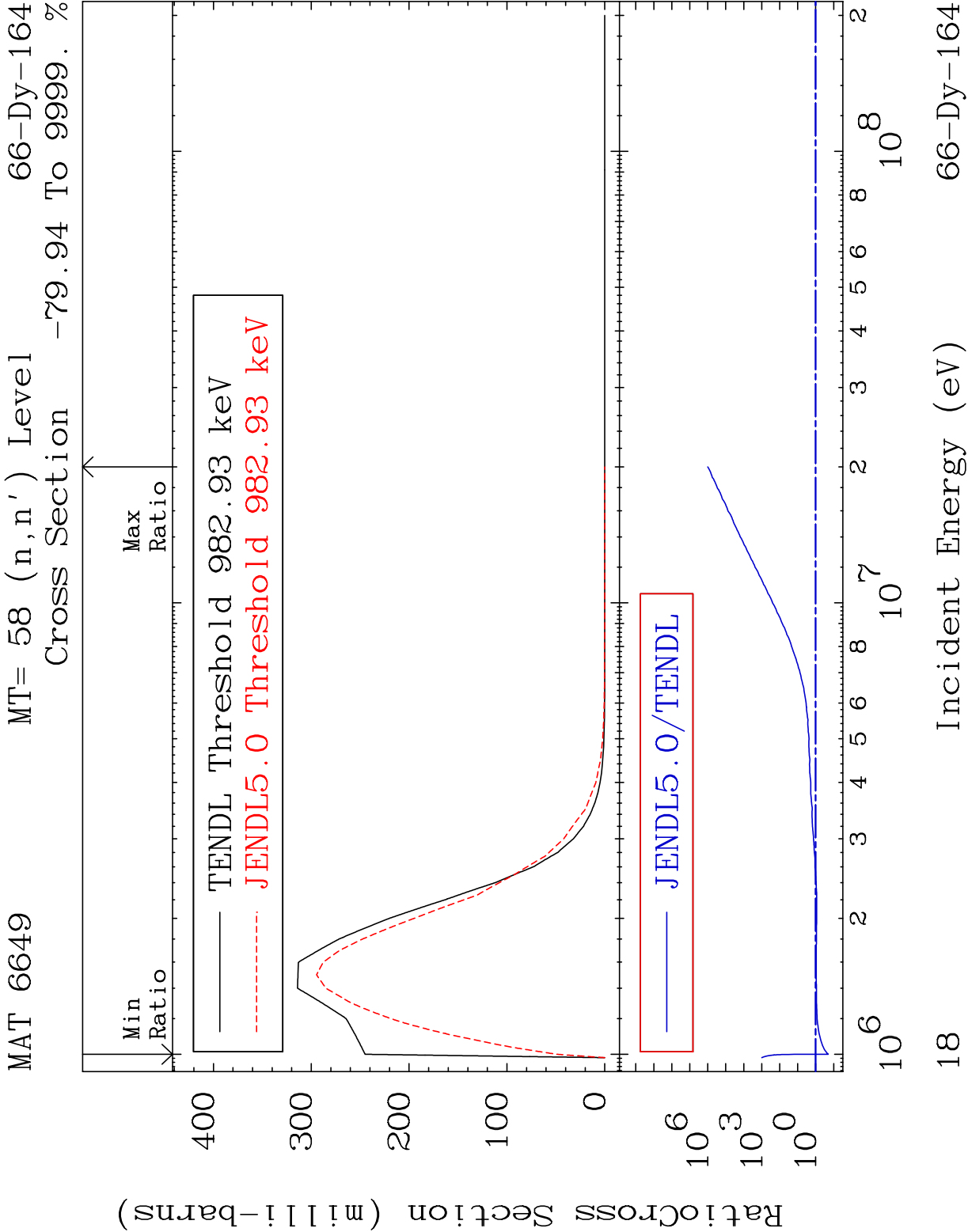
MAT 6649

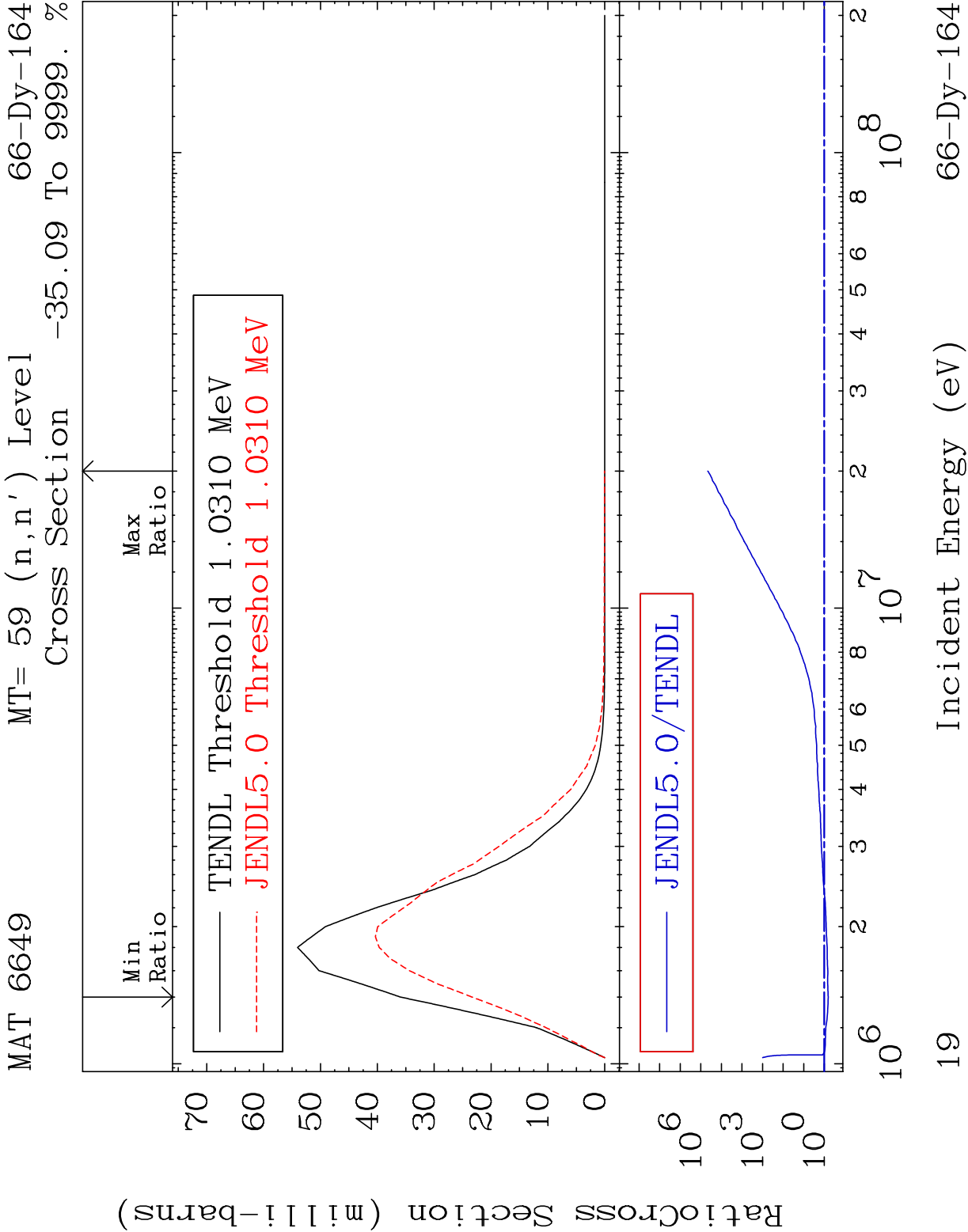
MT= 57 (n, n') Level

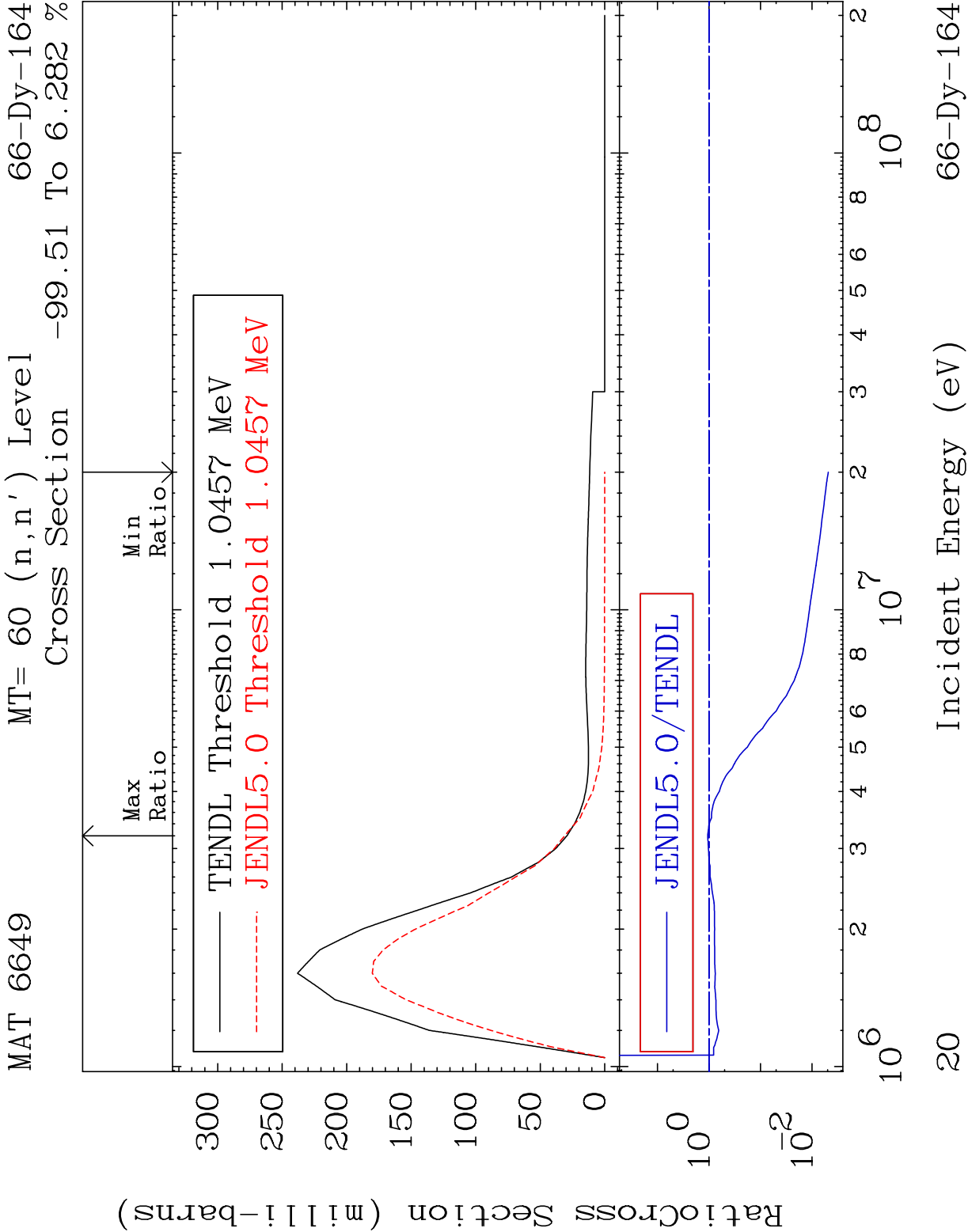
66-Dy-164

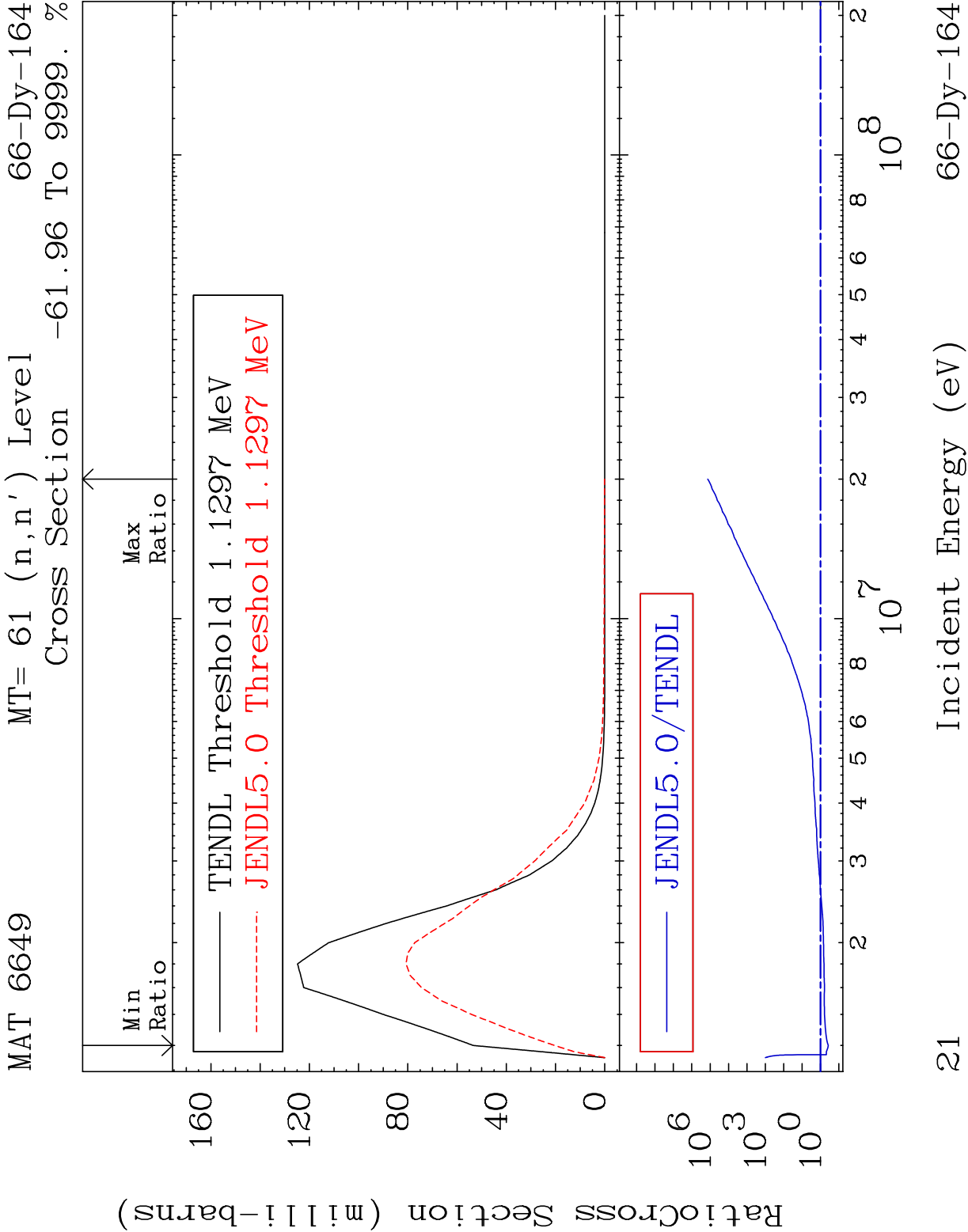
Cross Section	-100.0 To 28.24 %
---------------	-------------------

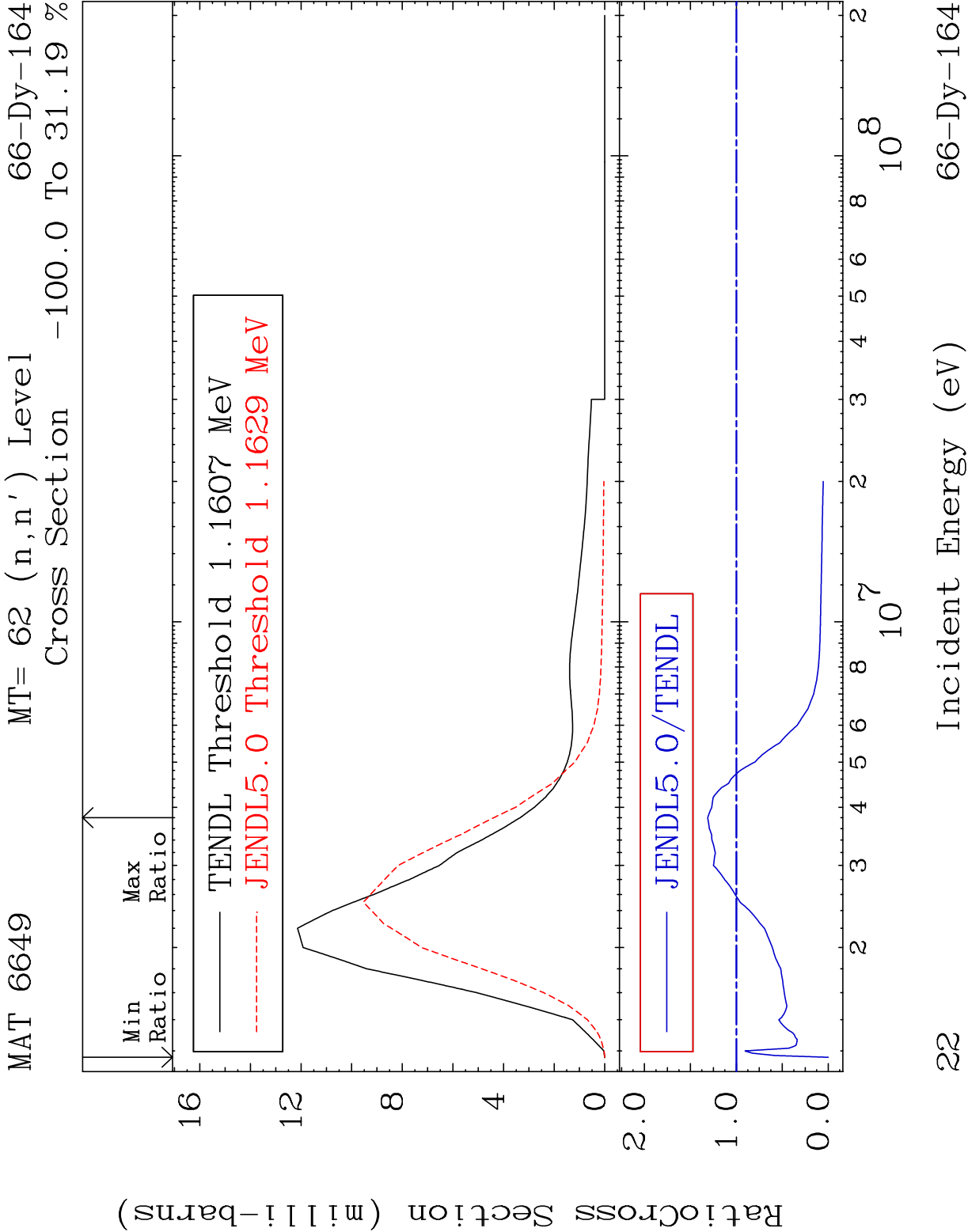


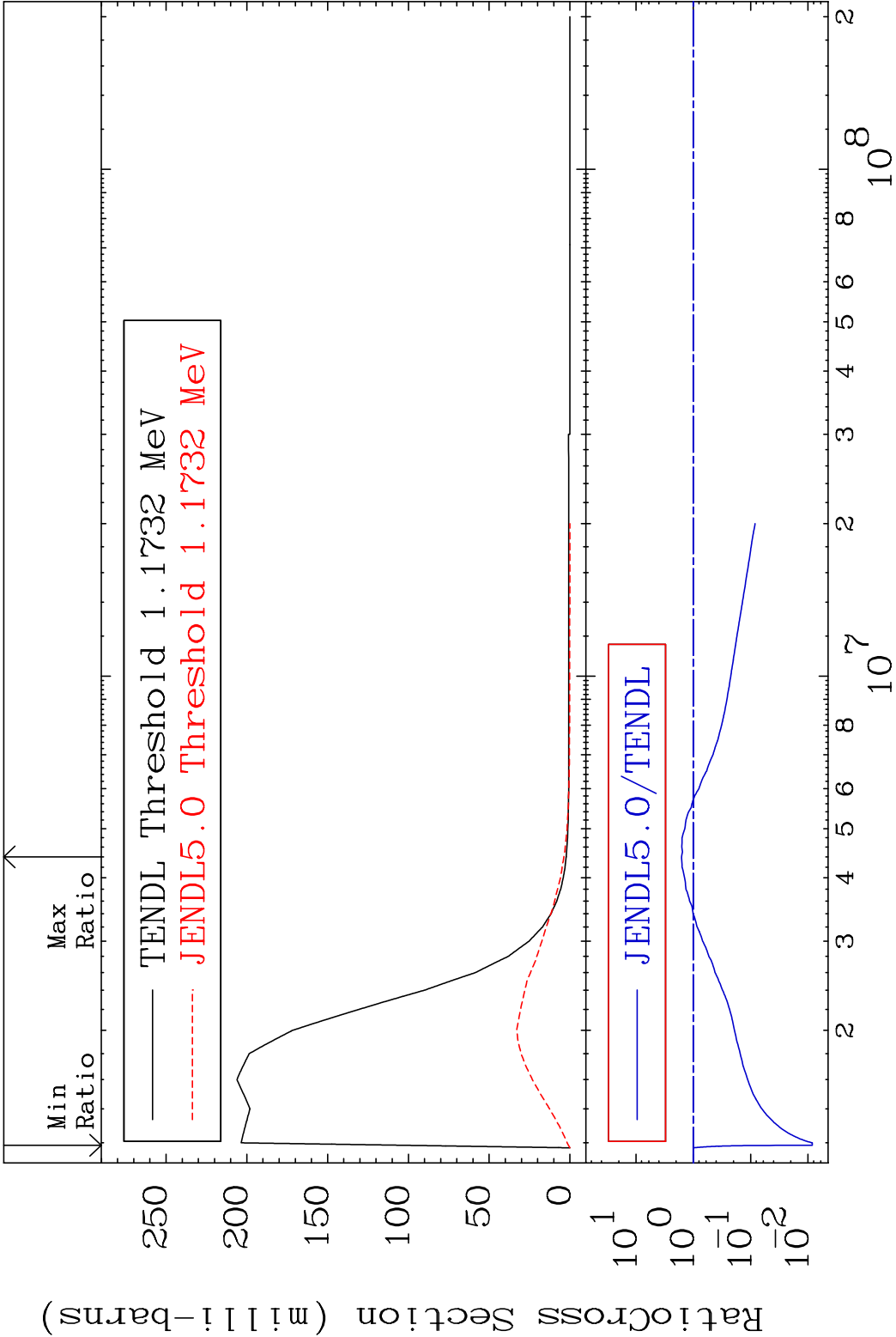










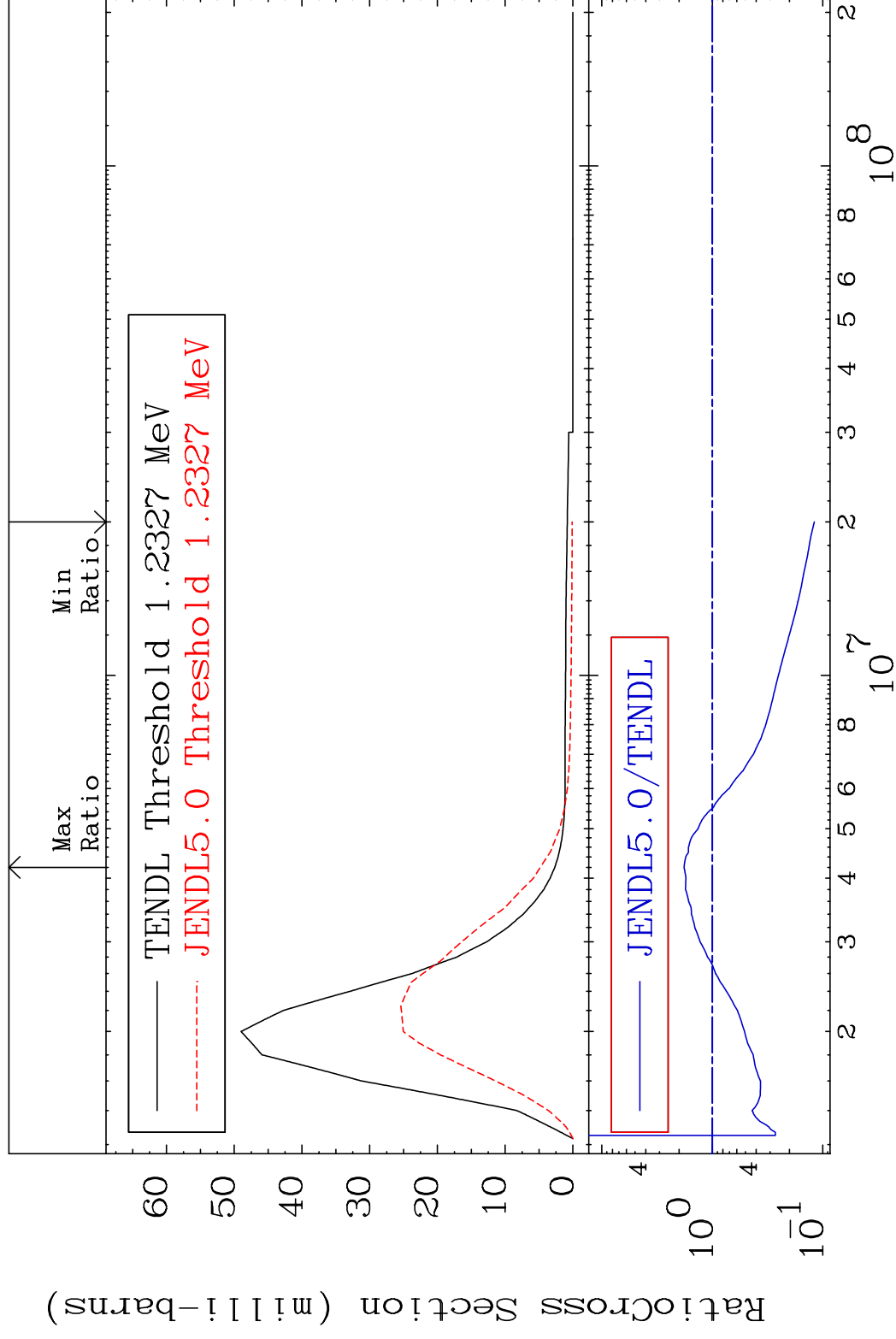


MAT 6649

MT= 64 (n, n') Level

66-Dy-164

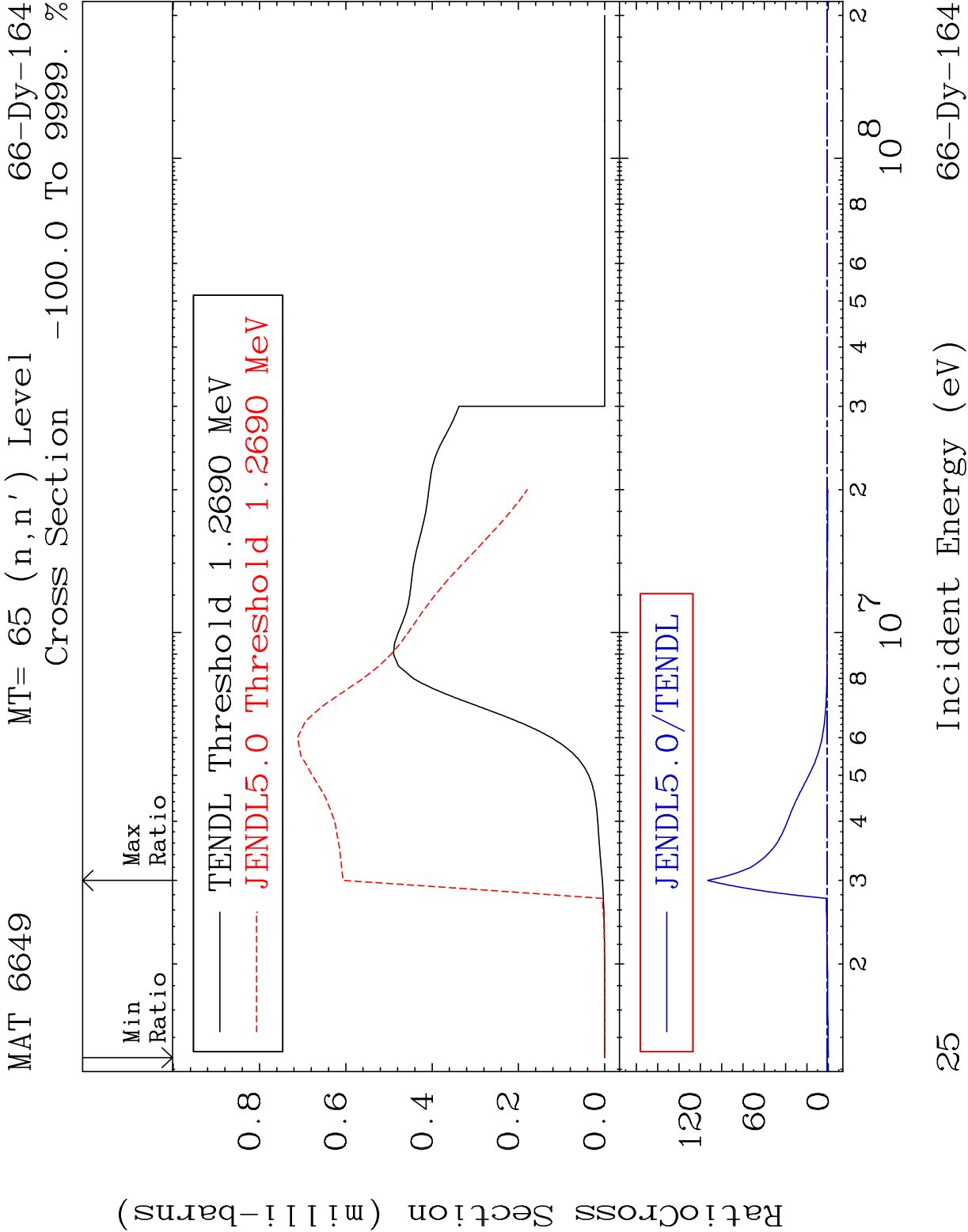
Cross Section -88.07 To 80.03 %

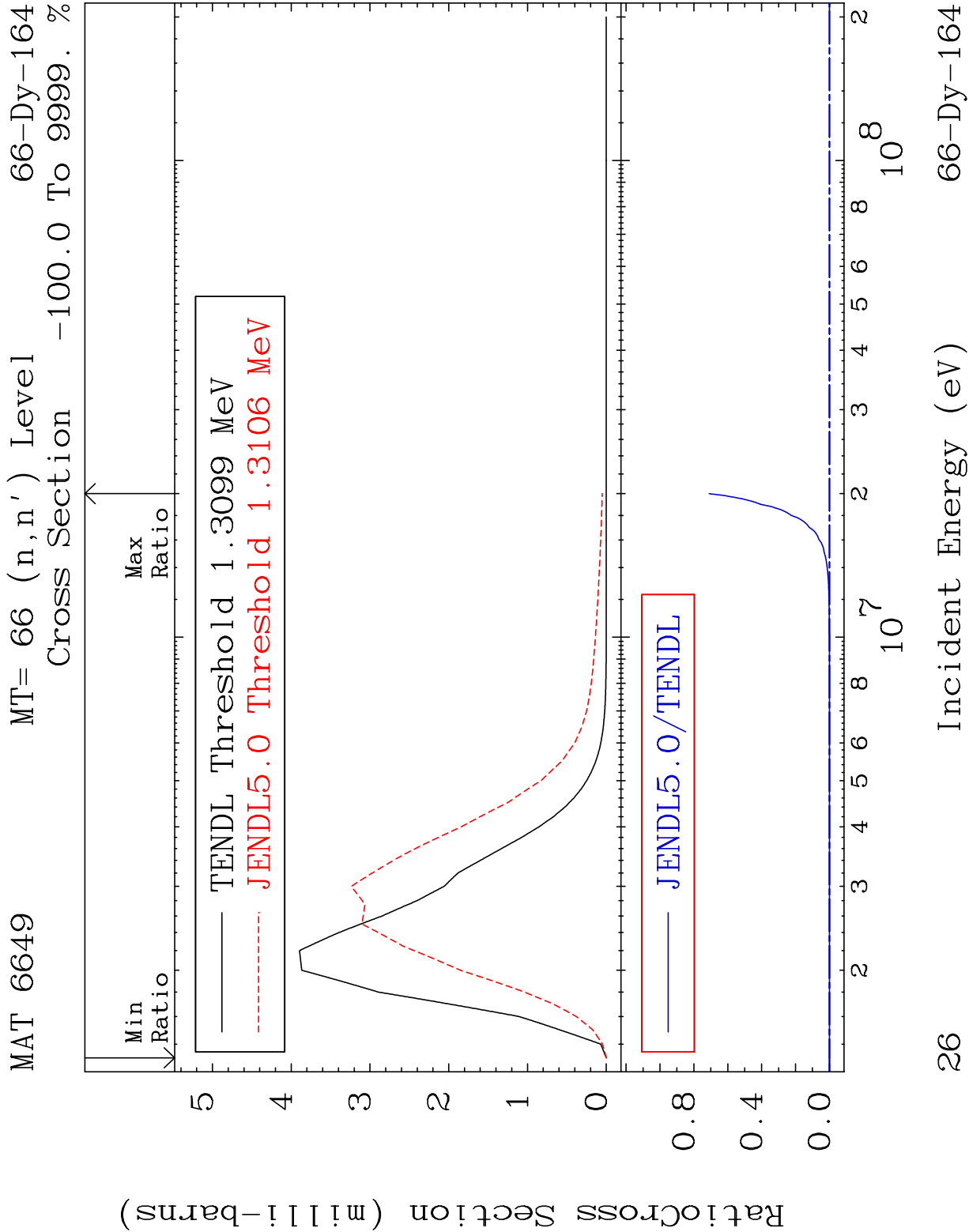


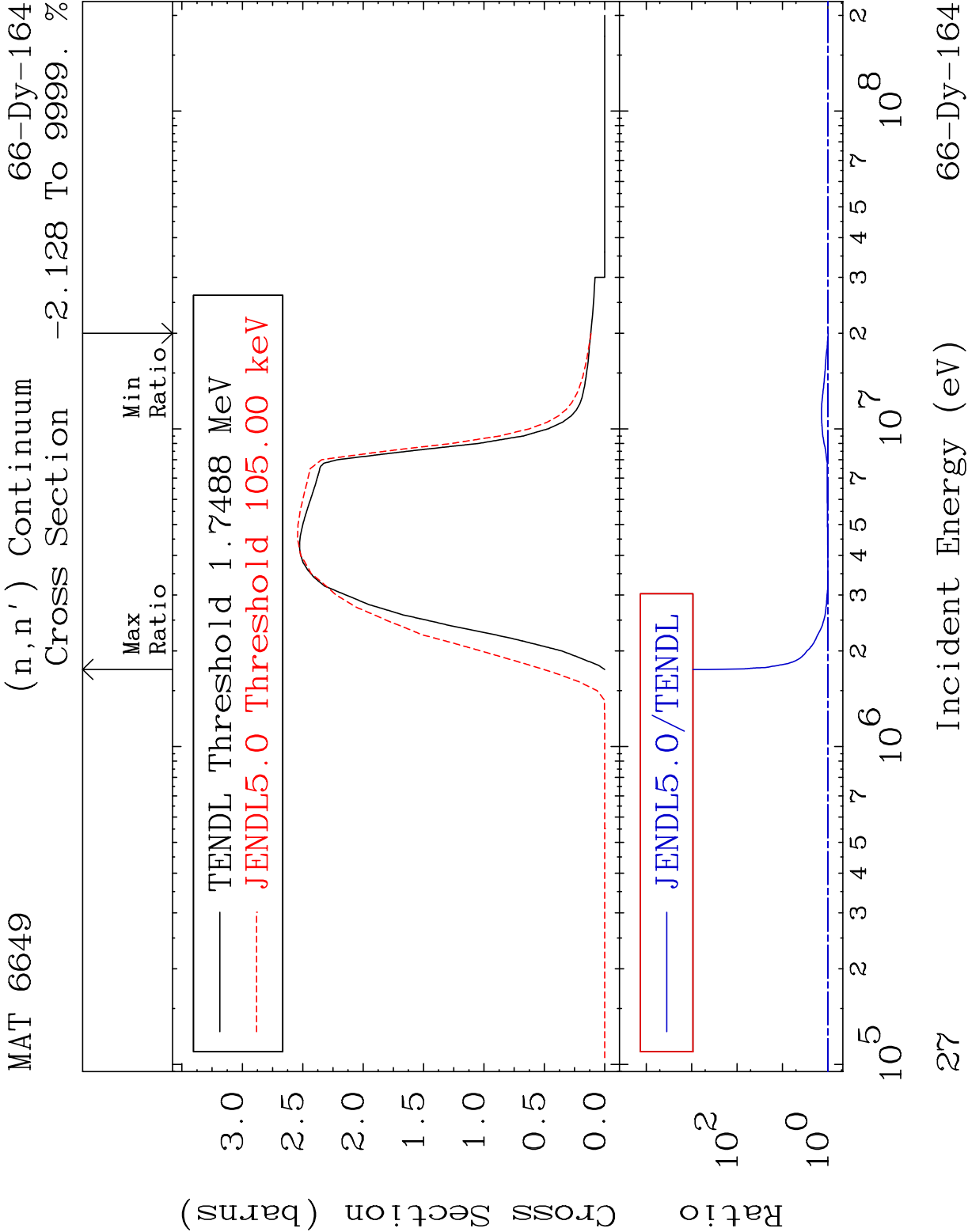
24

Incident Energy (eV)

66-Dy-164







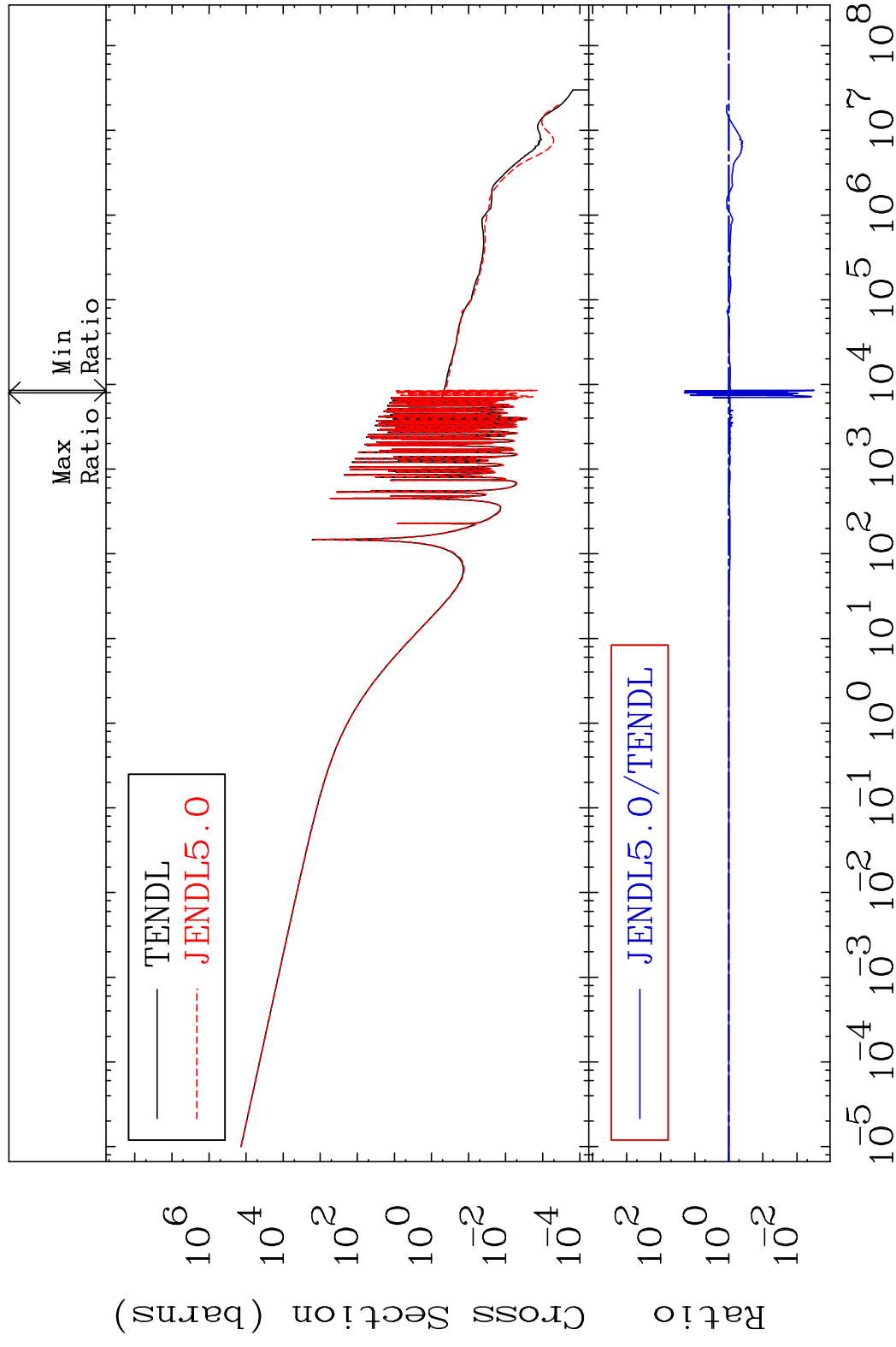
MAT 6649

$$(n, \gamma)$$

(n, γ)
Cross Section
66-Dy-164
-99.69 To 1963. %

66-Dy-164

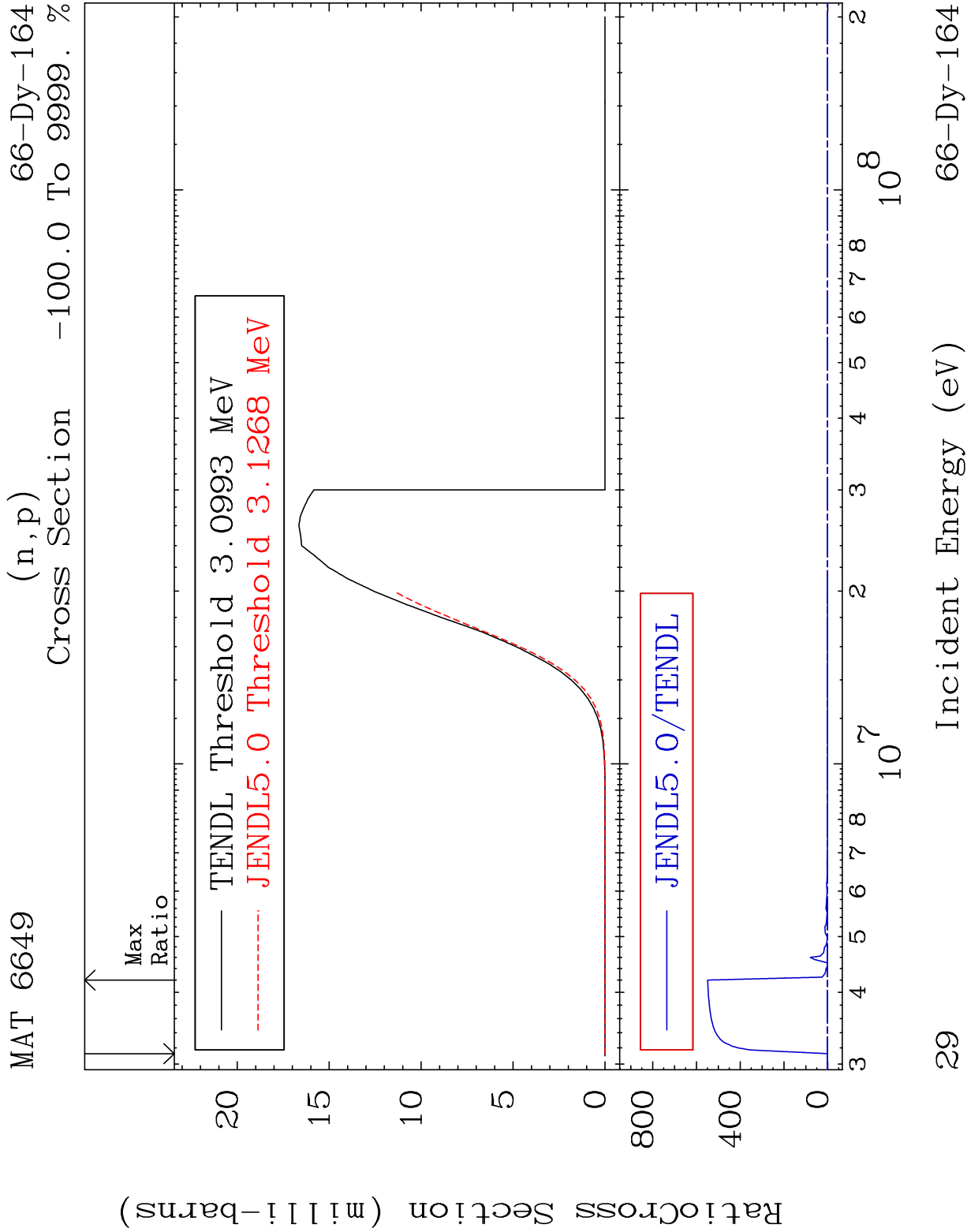
Cross Section -99.69 To 1963. %

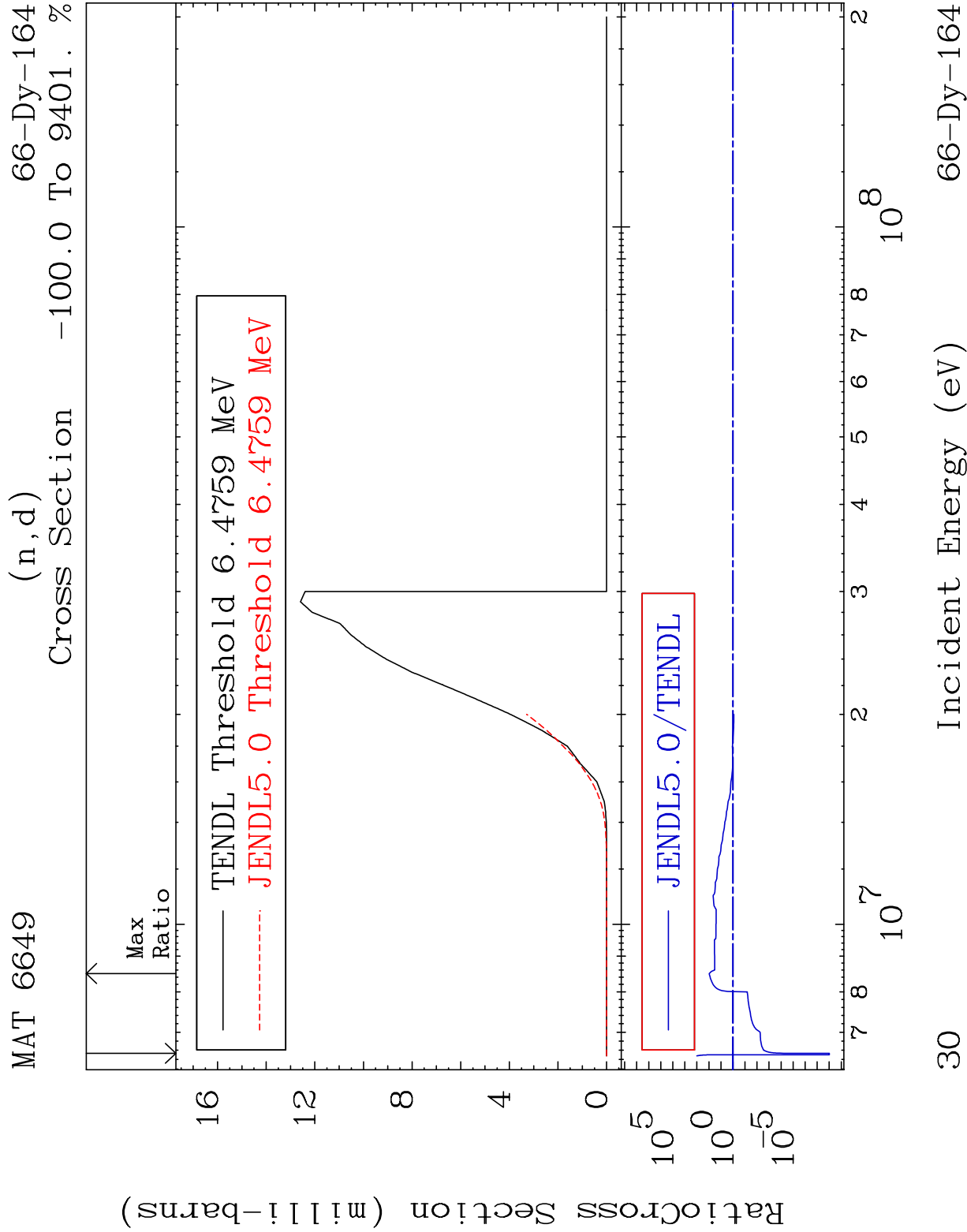


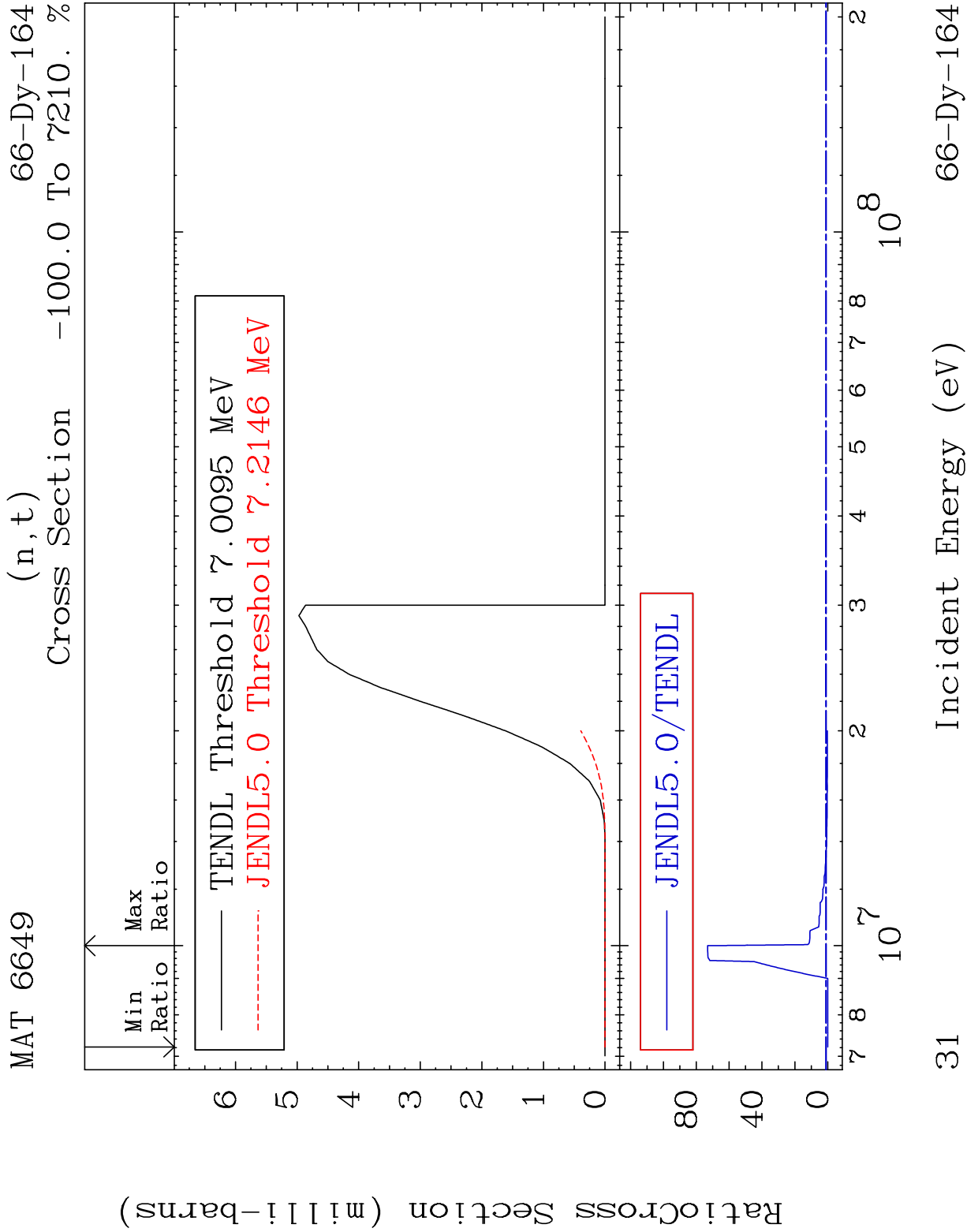
82

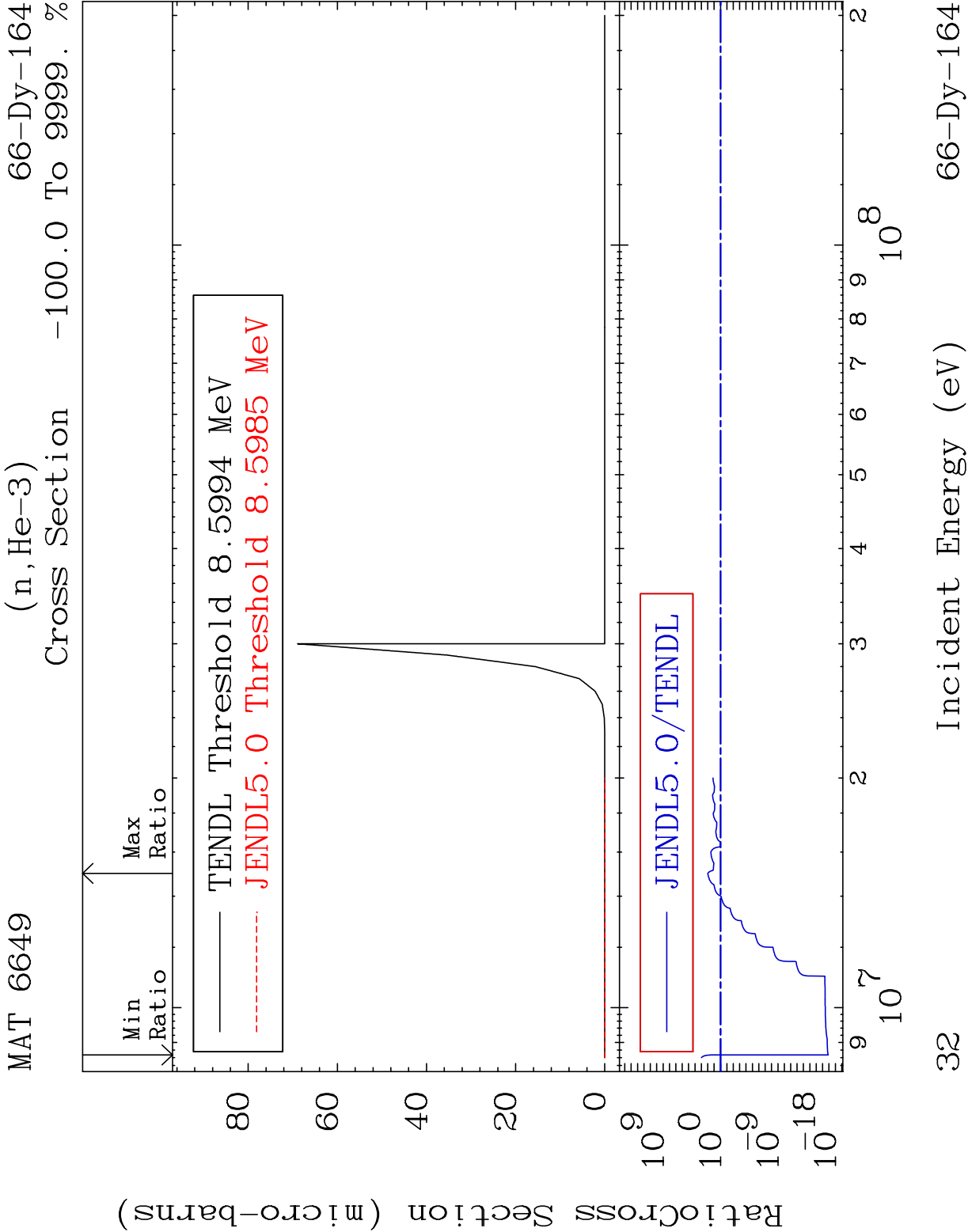
Incident Energy (eV)

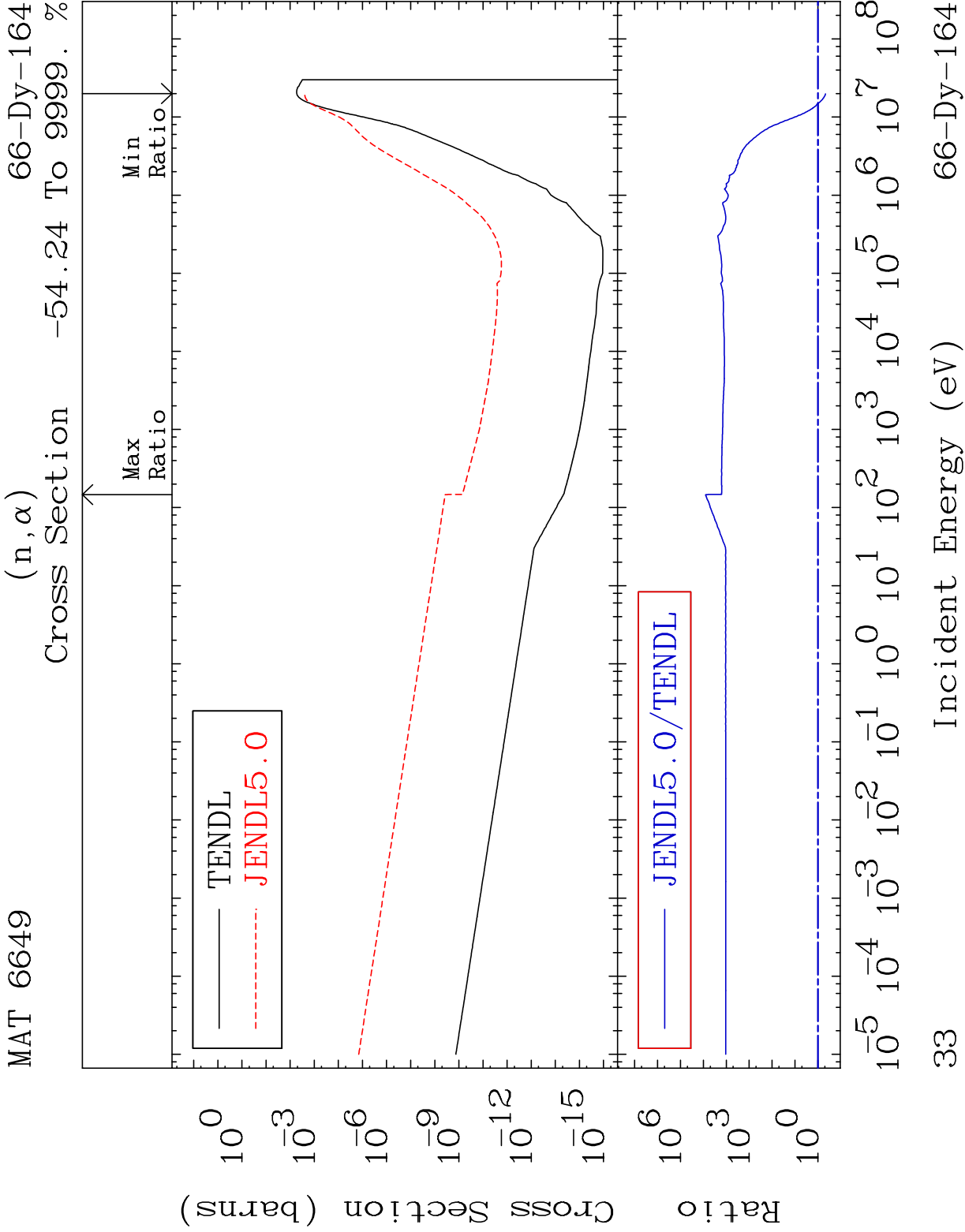
66-Dy-164

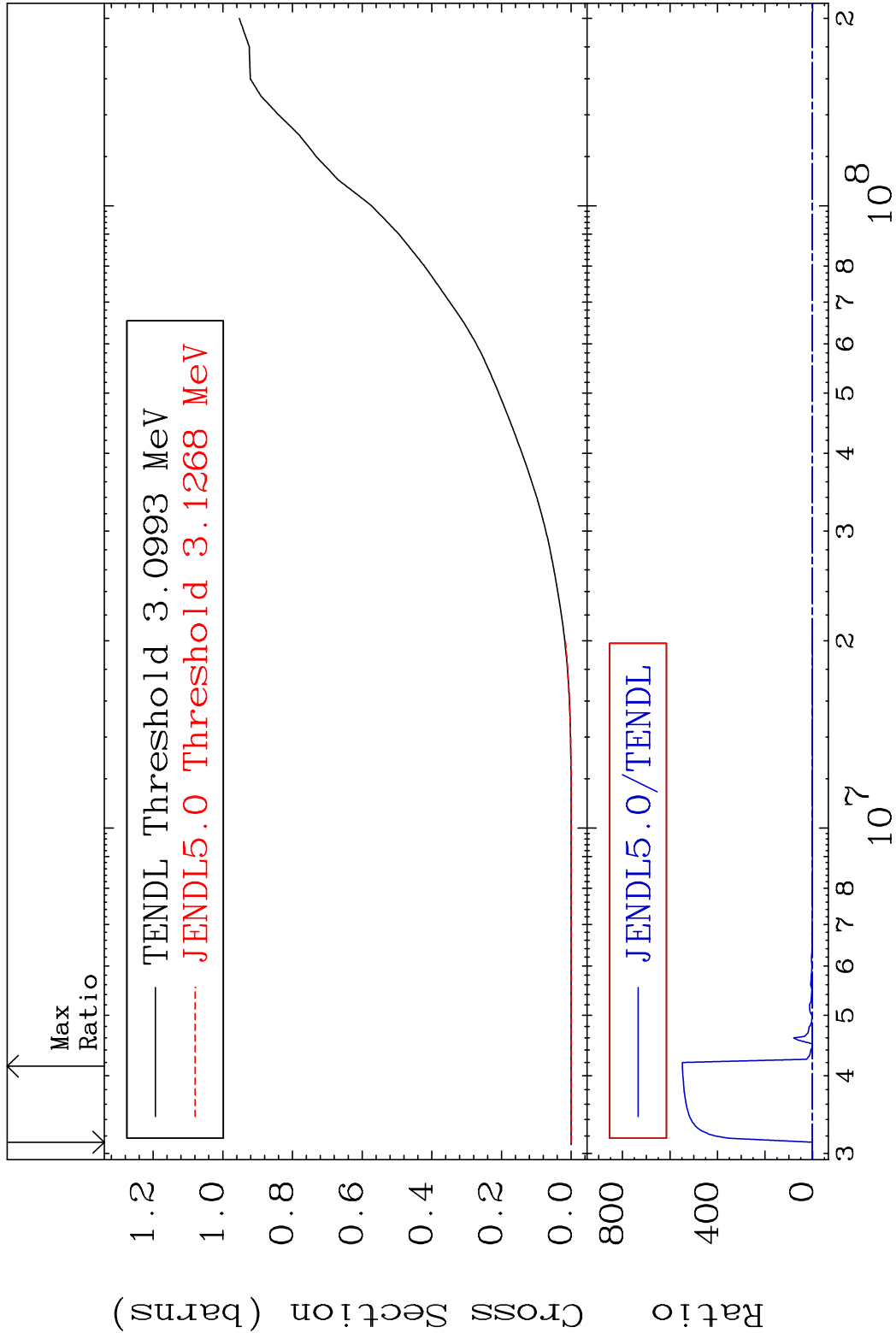


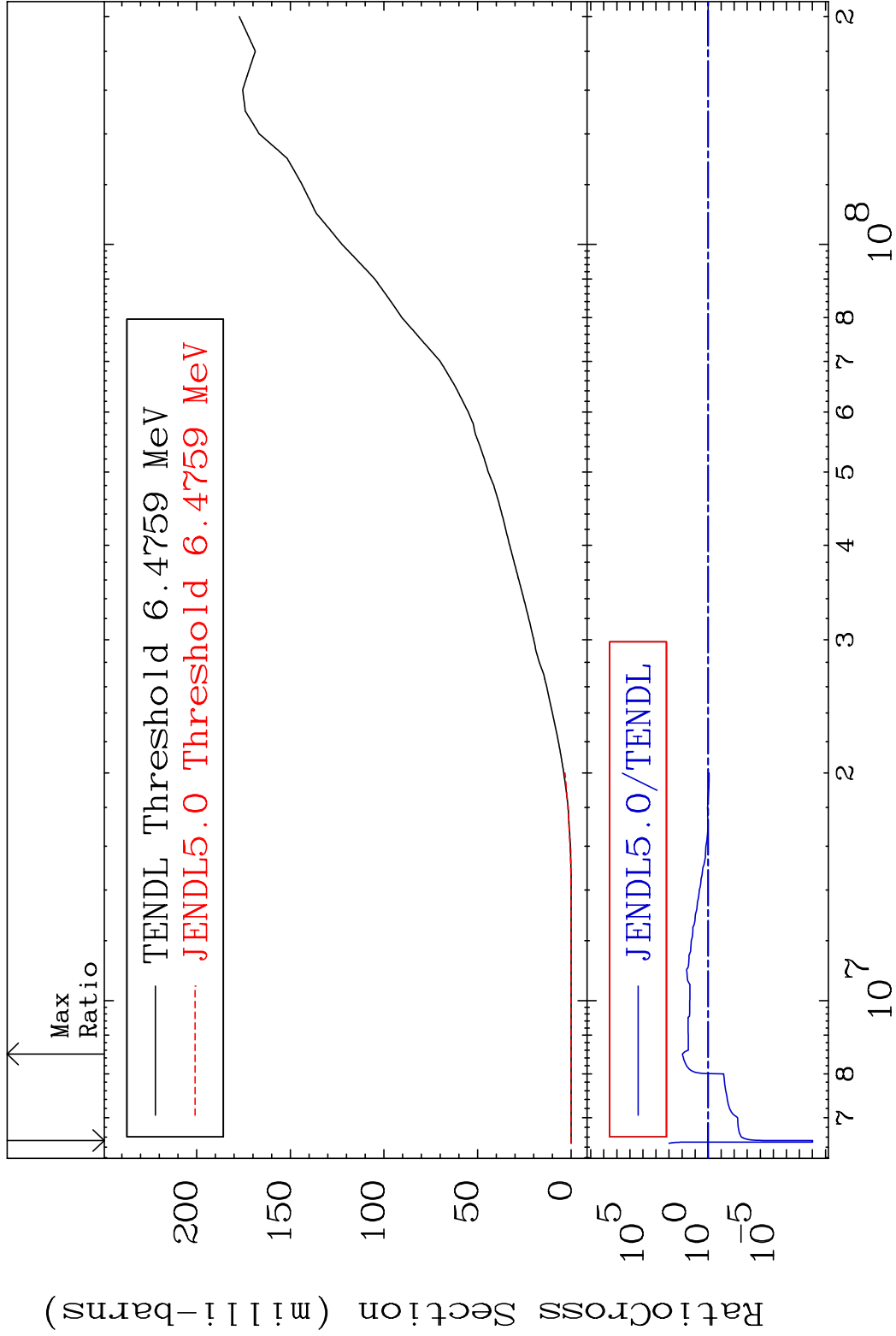


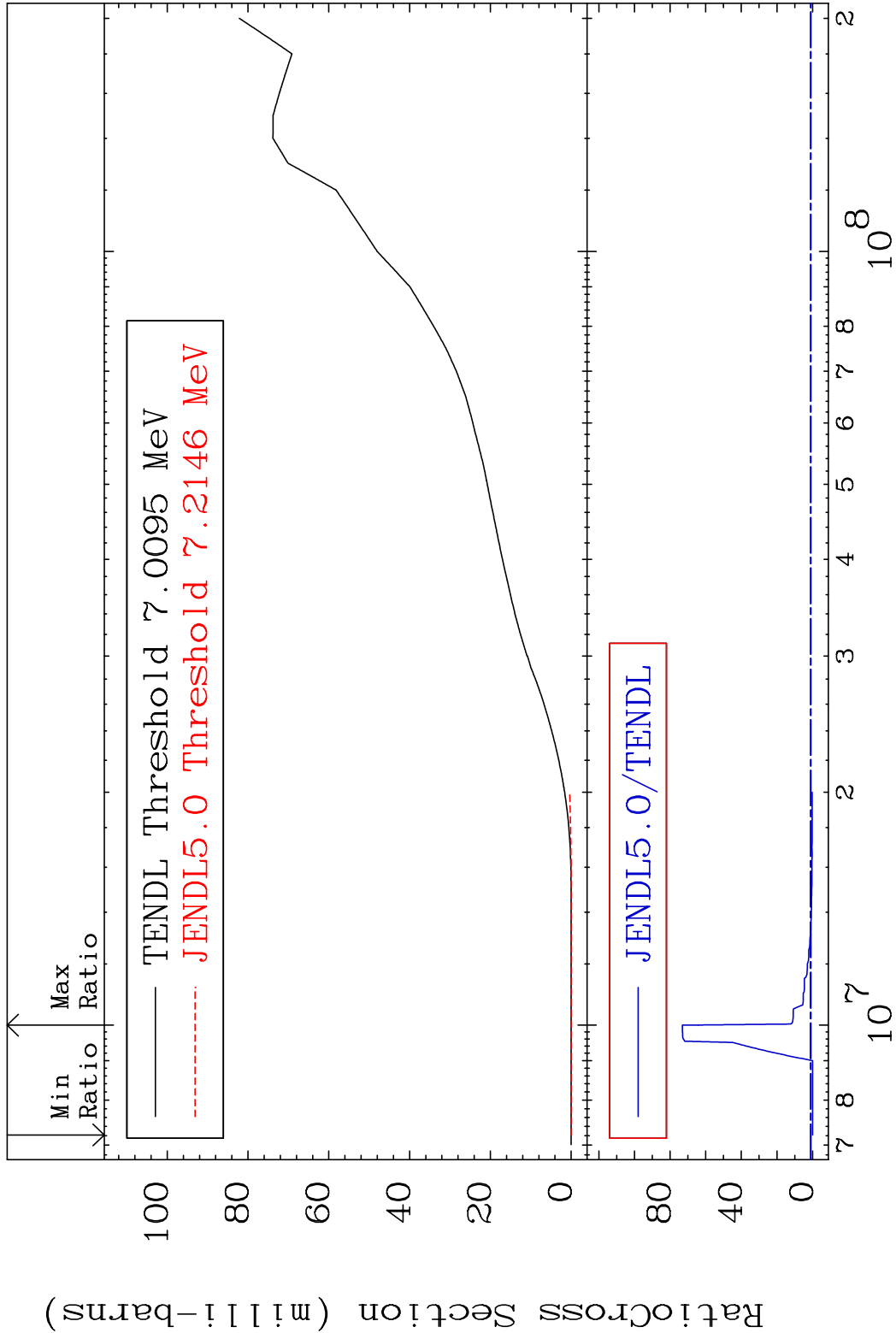


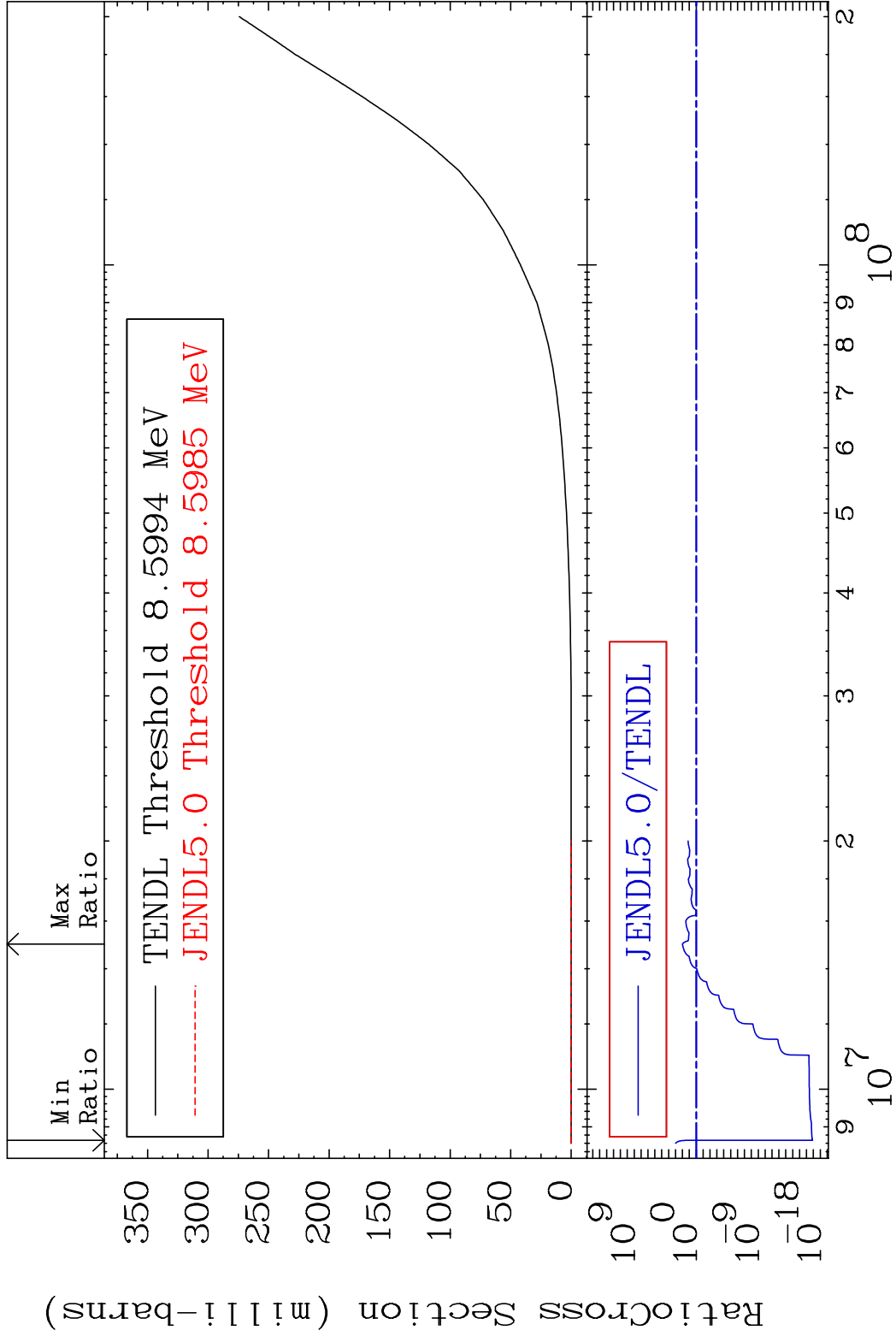




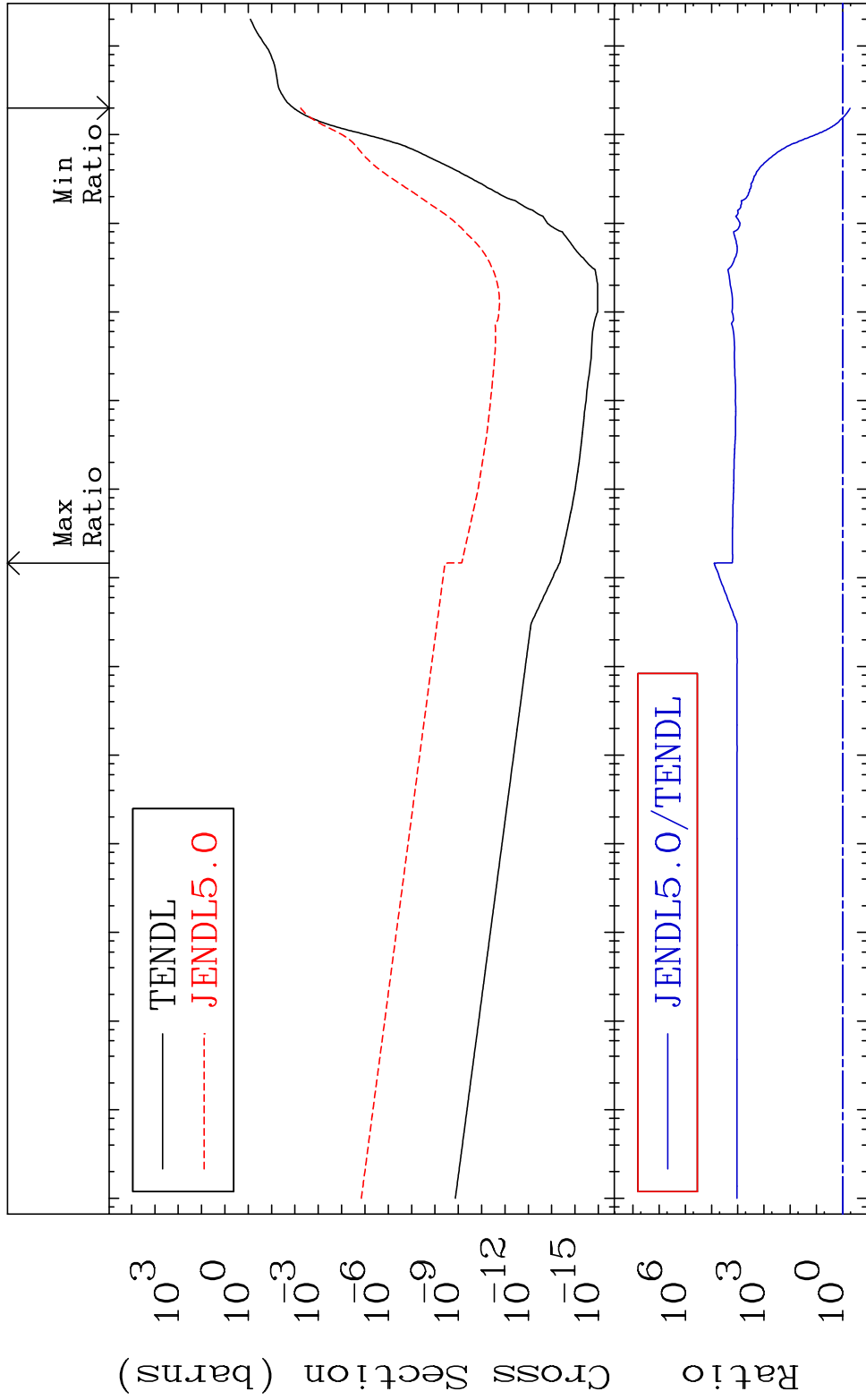




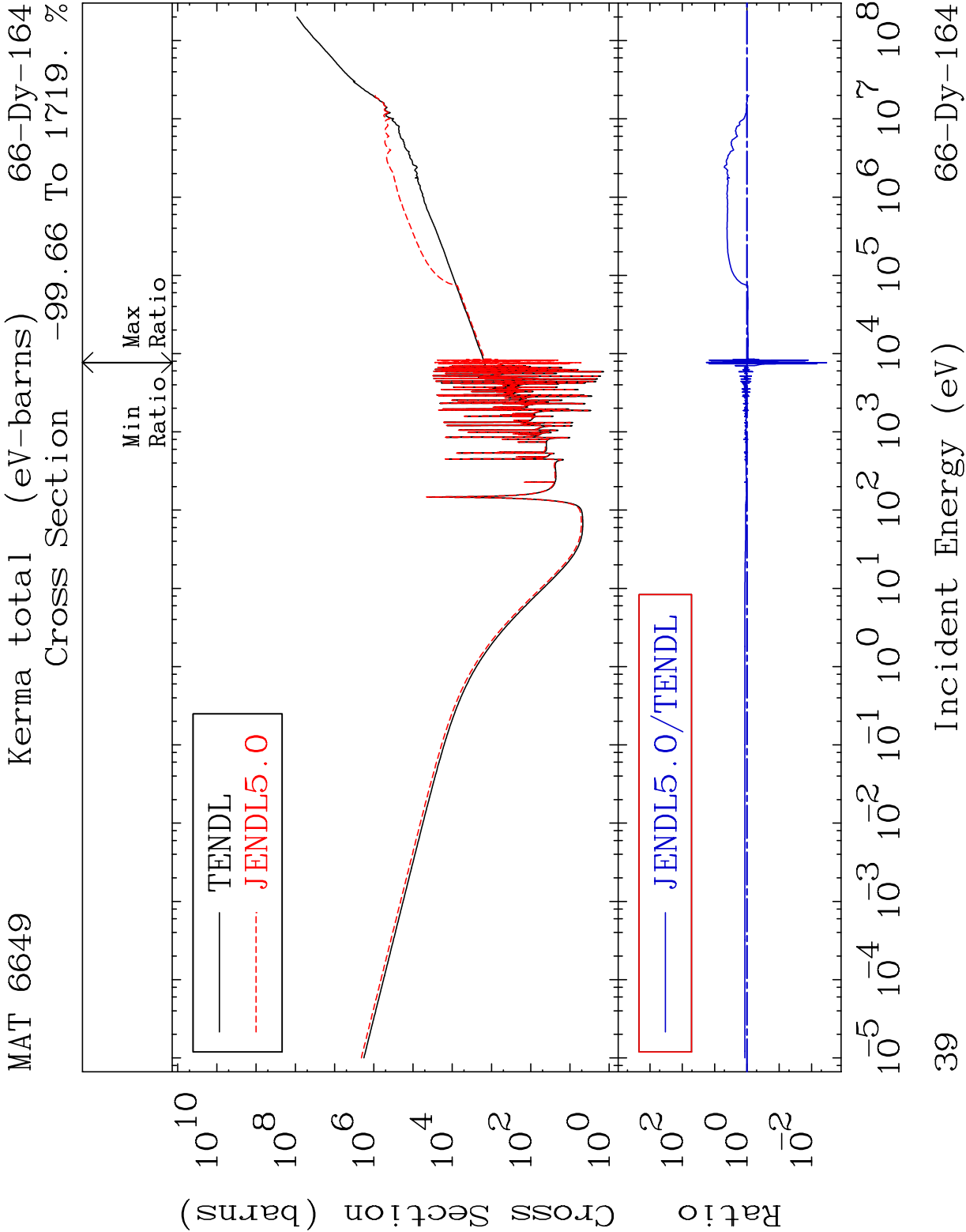


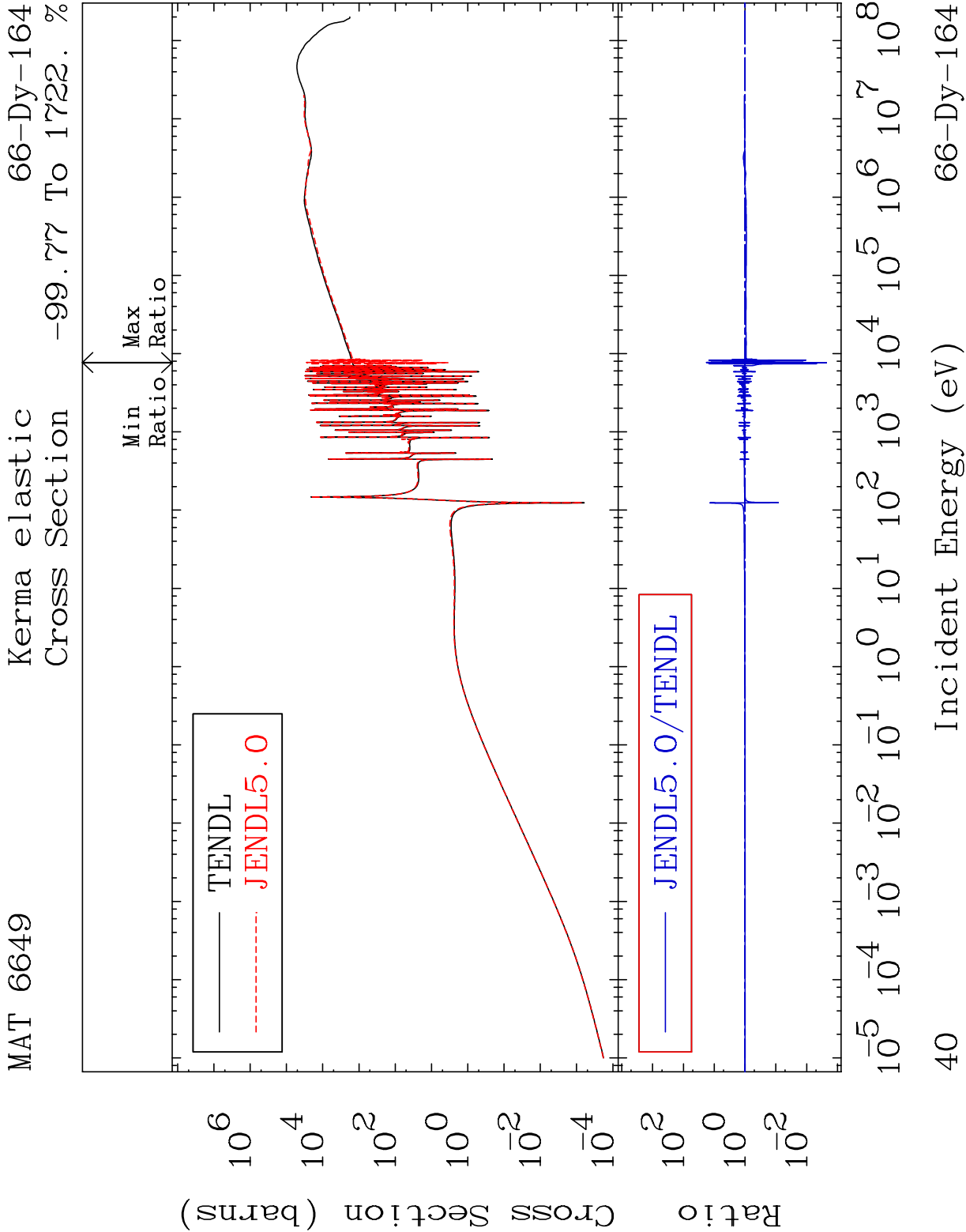


MAT 6649 He-4 Production 66-Dy-164
Cross Section -49.13 To 9999. %

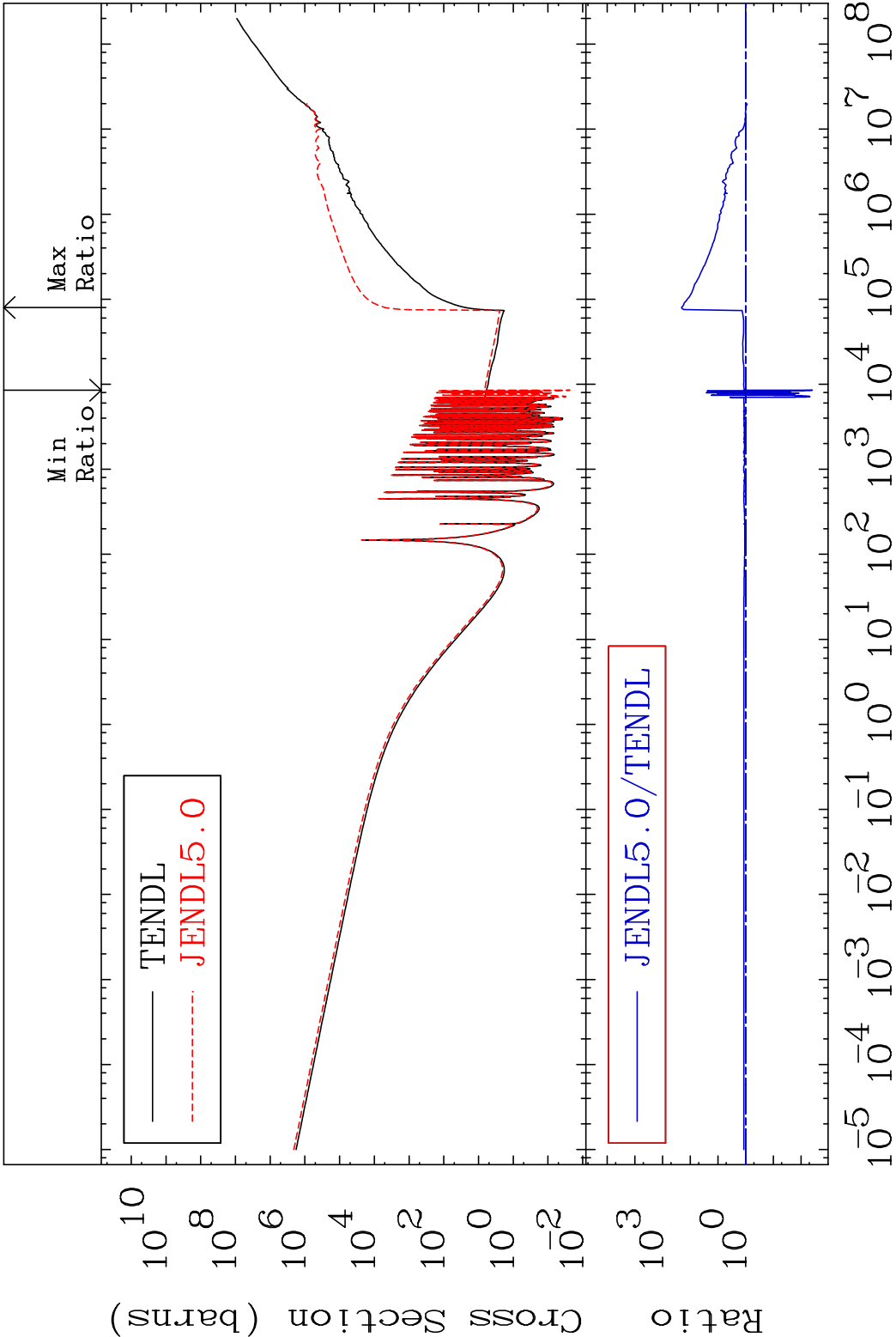


38 Incident Energy (eV) 66-Dy-164



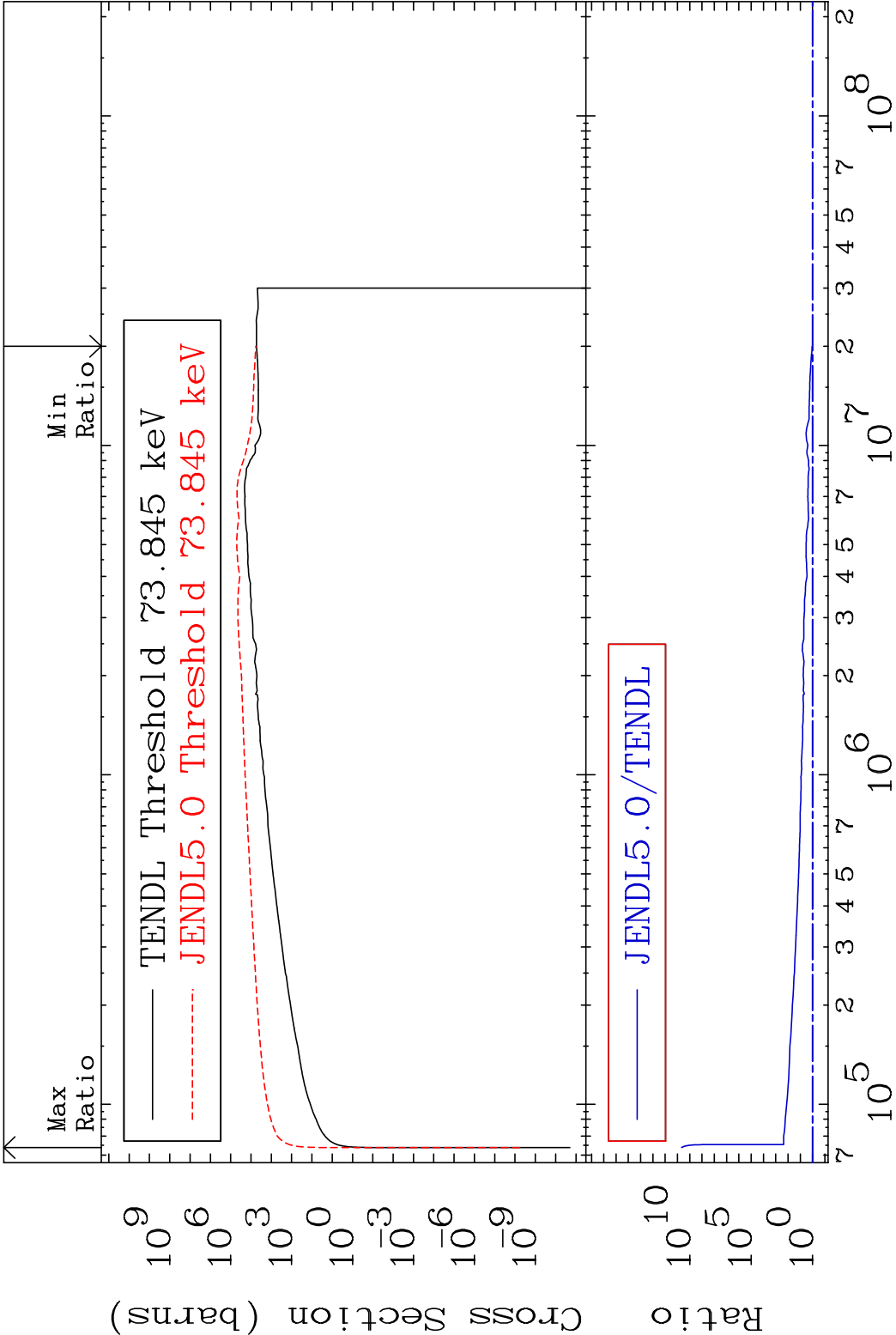


MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
Cross Section -99.61 To 9999. %

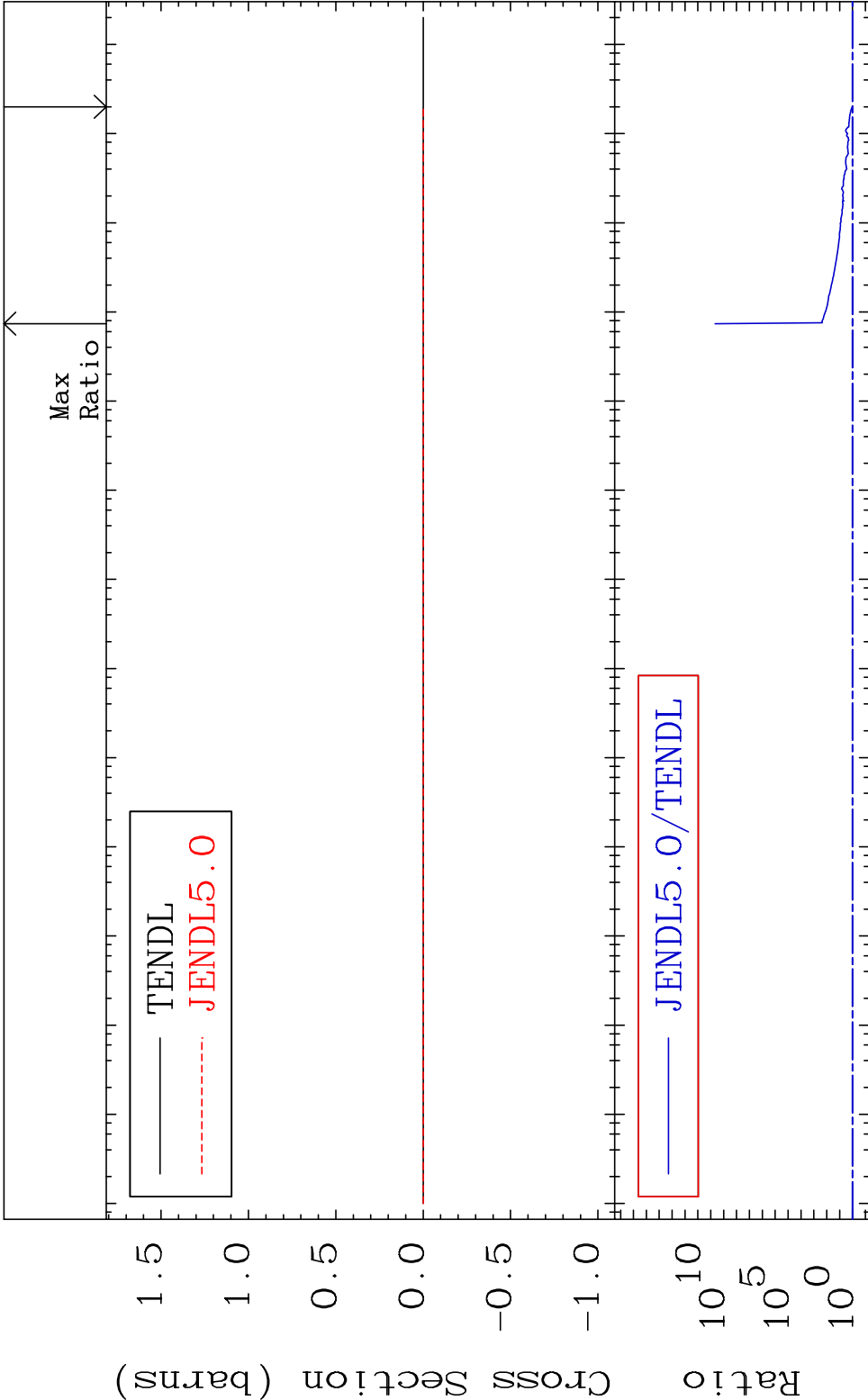


41 Incident Energy (eV) 66-Dy-164

MAT 6649 Kerma inelastic (mt51-91) 66-Dy-164
Cross Section 6.432 To 9999. %

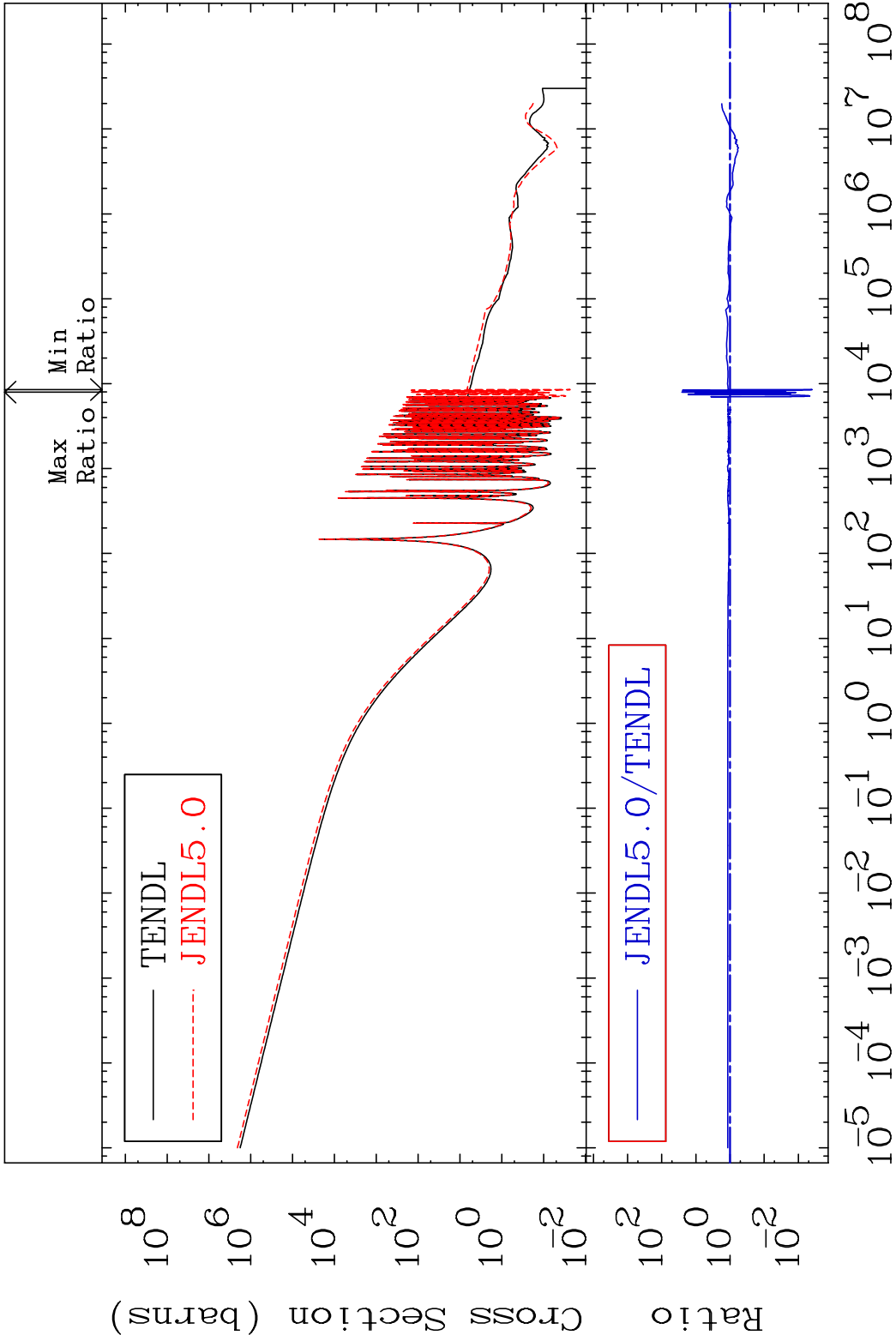


MAT 6649Kerma fission (mt18 or mt19-20-21-38)66-Dy-164
Cross Section 6.432 To 9999. %

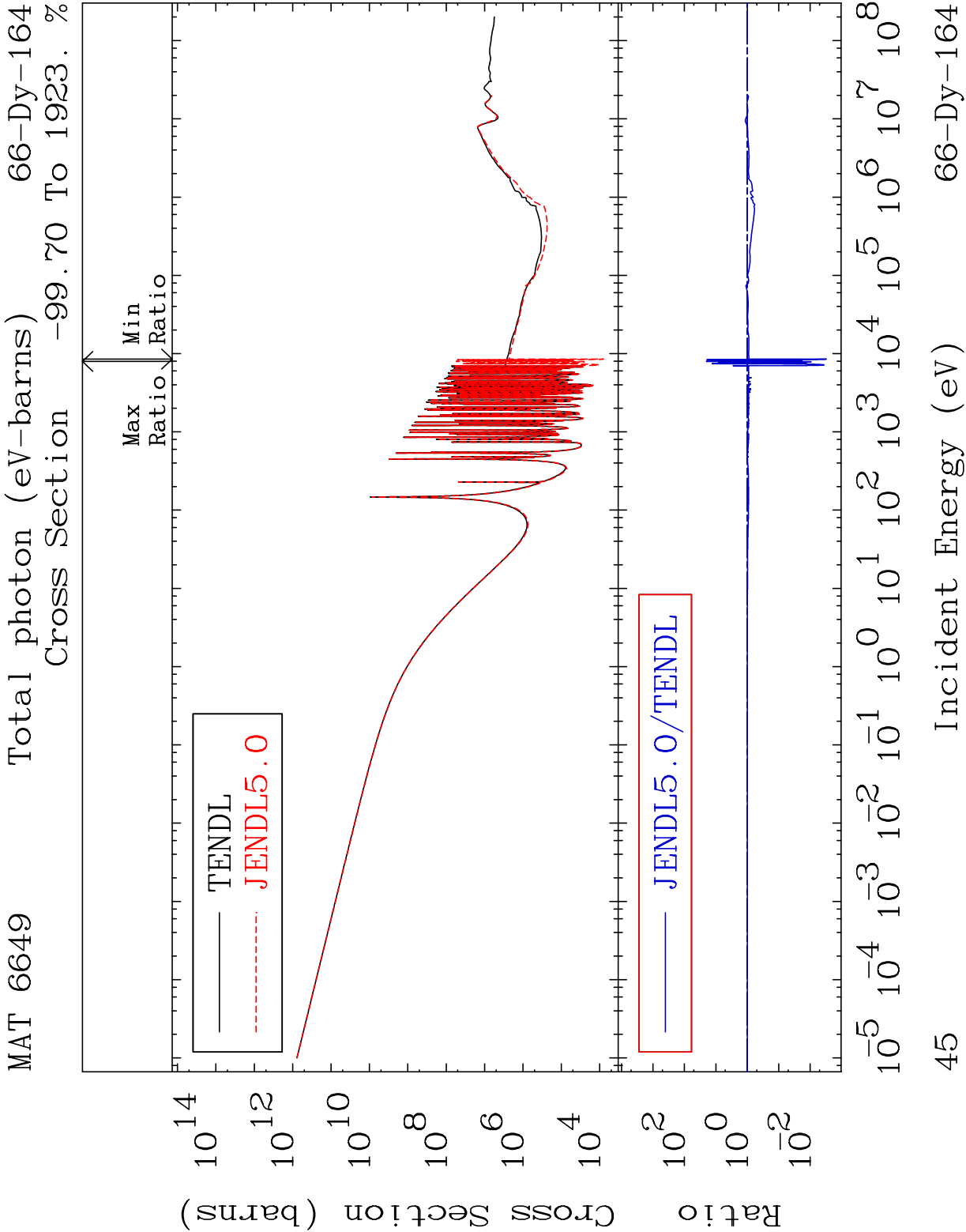


43 Incident Energy (eV) 66-Dy-164

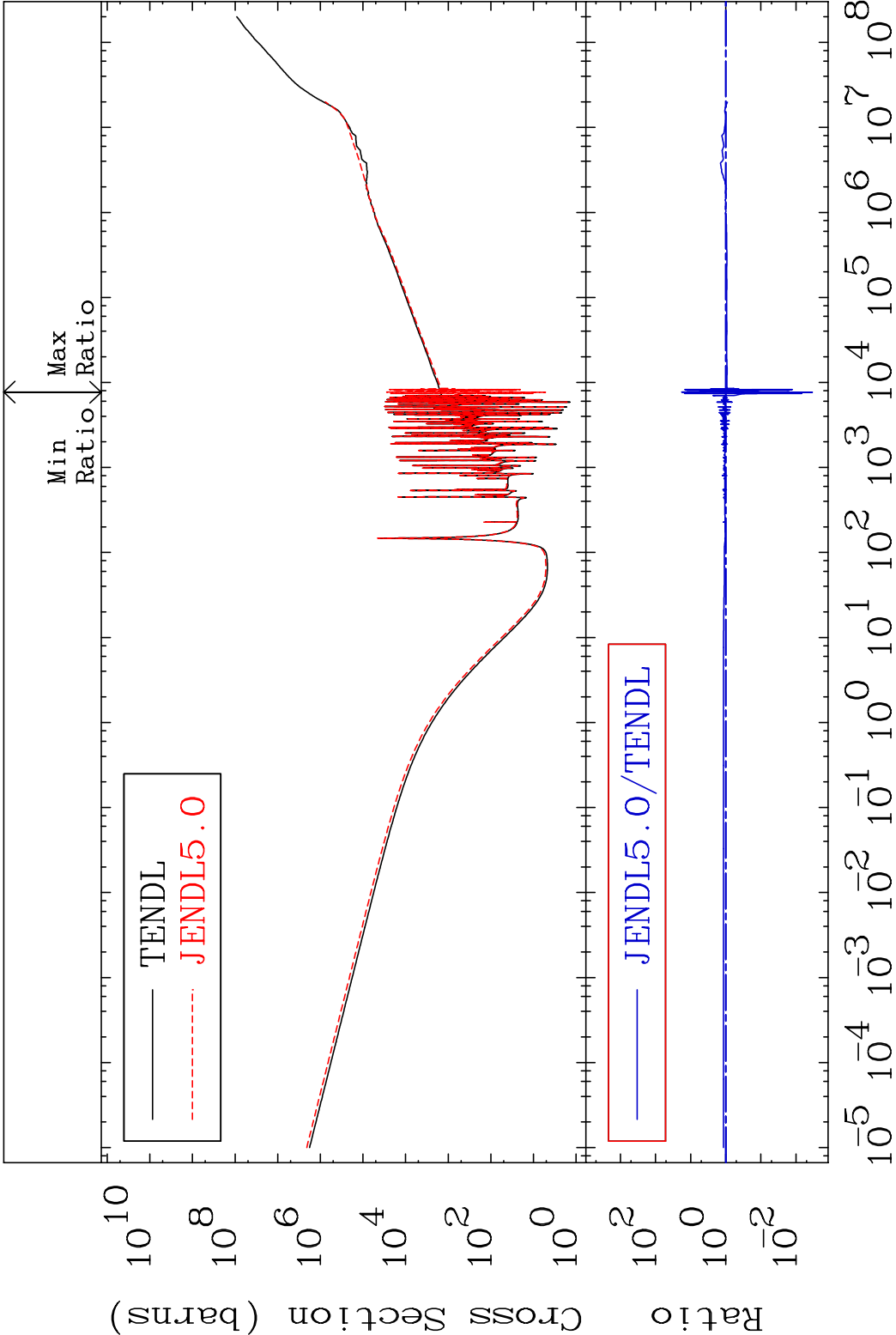
MAT 6649 Kerma capture (mt102) 66-Dy-164
Cross Section -99.61 To 2499. %



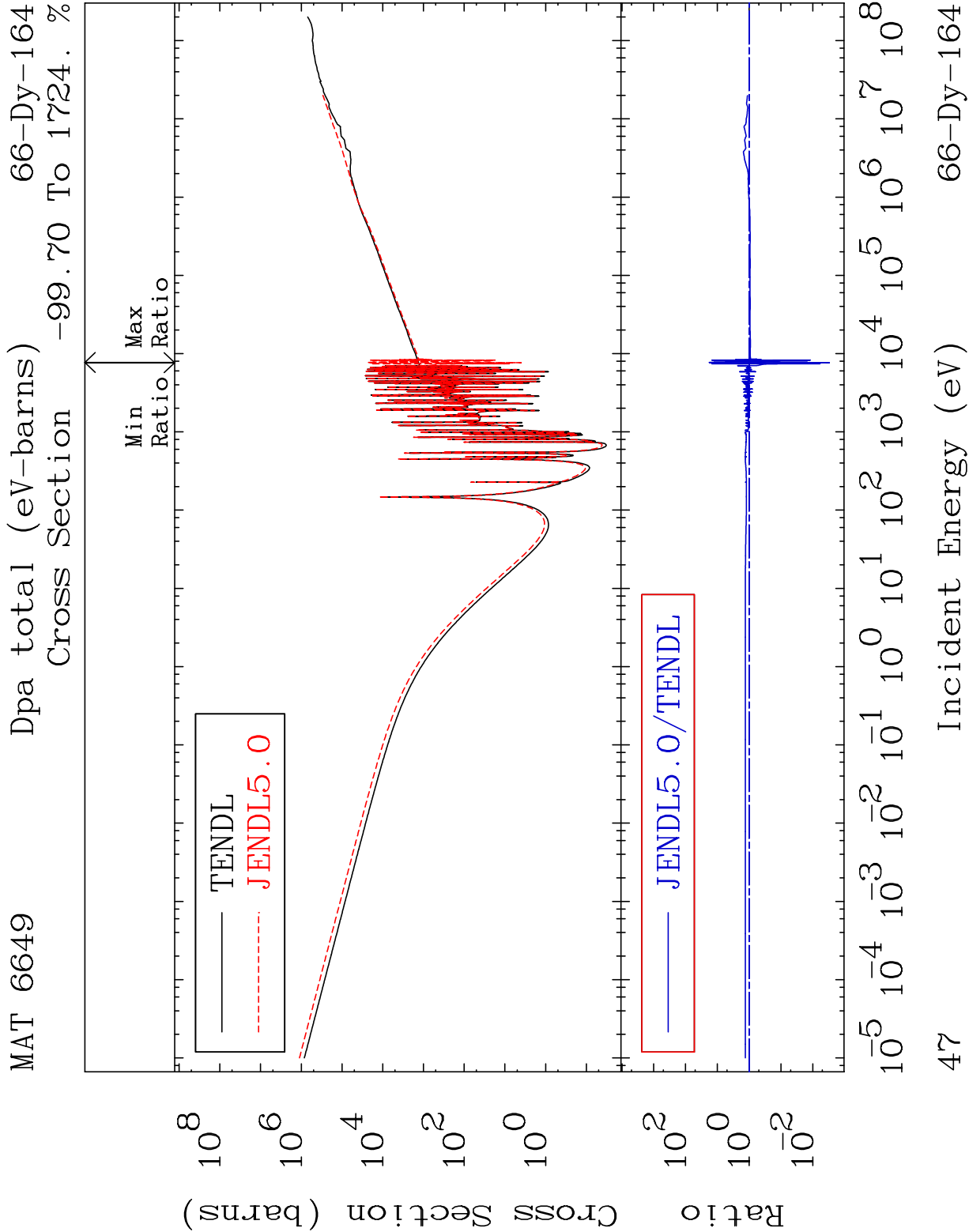
44 Incident Energy (eV) 66-Dy-164



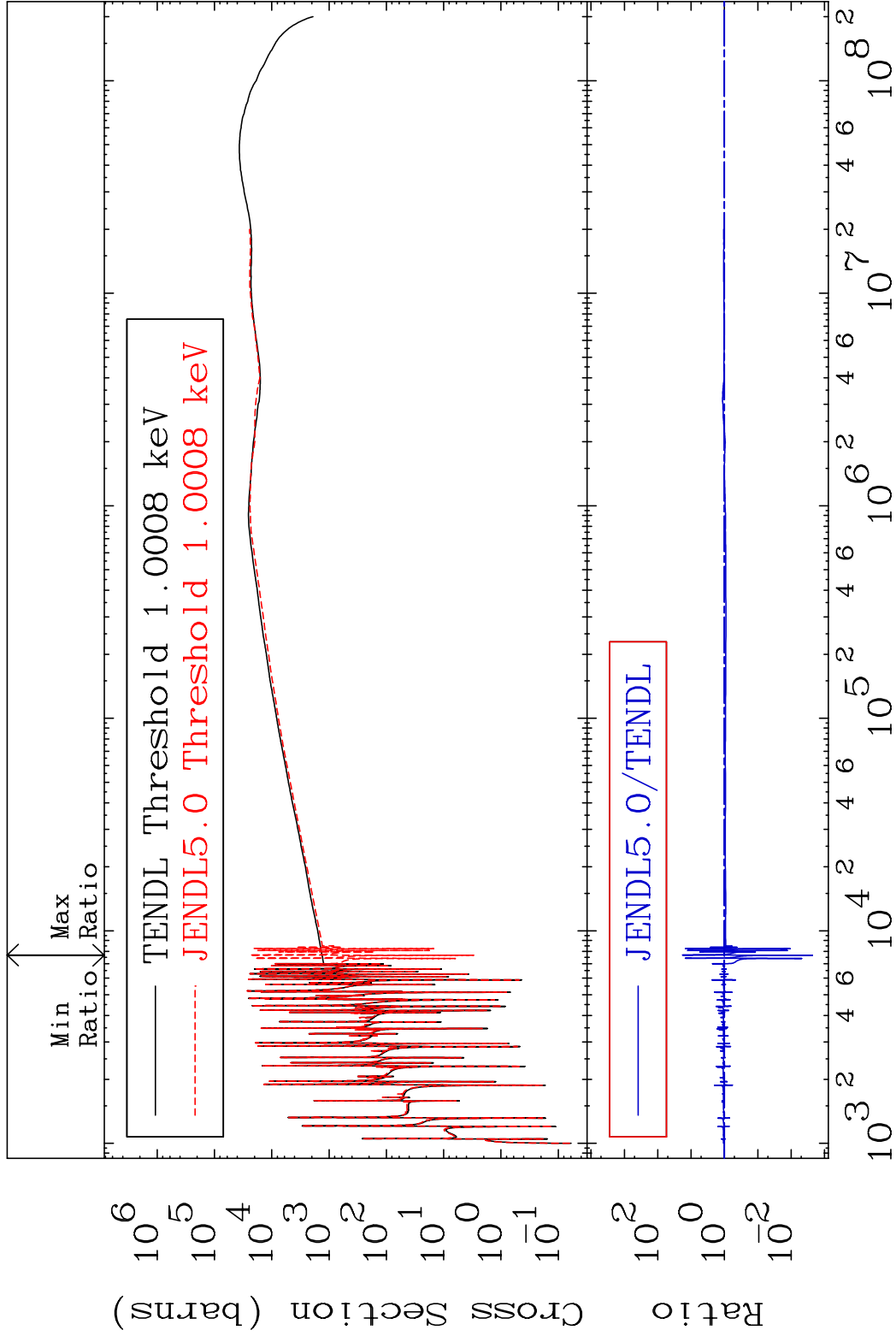
MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
Cross Section -99.66 To 1719. %



46 Incident Energy (eV) 66-Dy-164



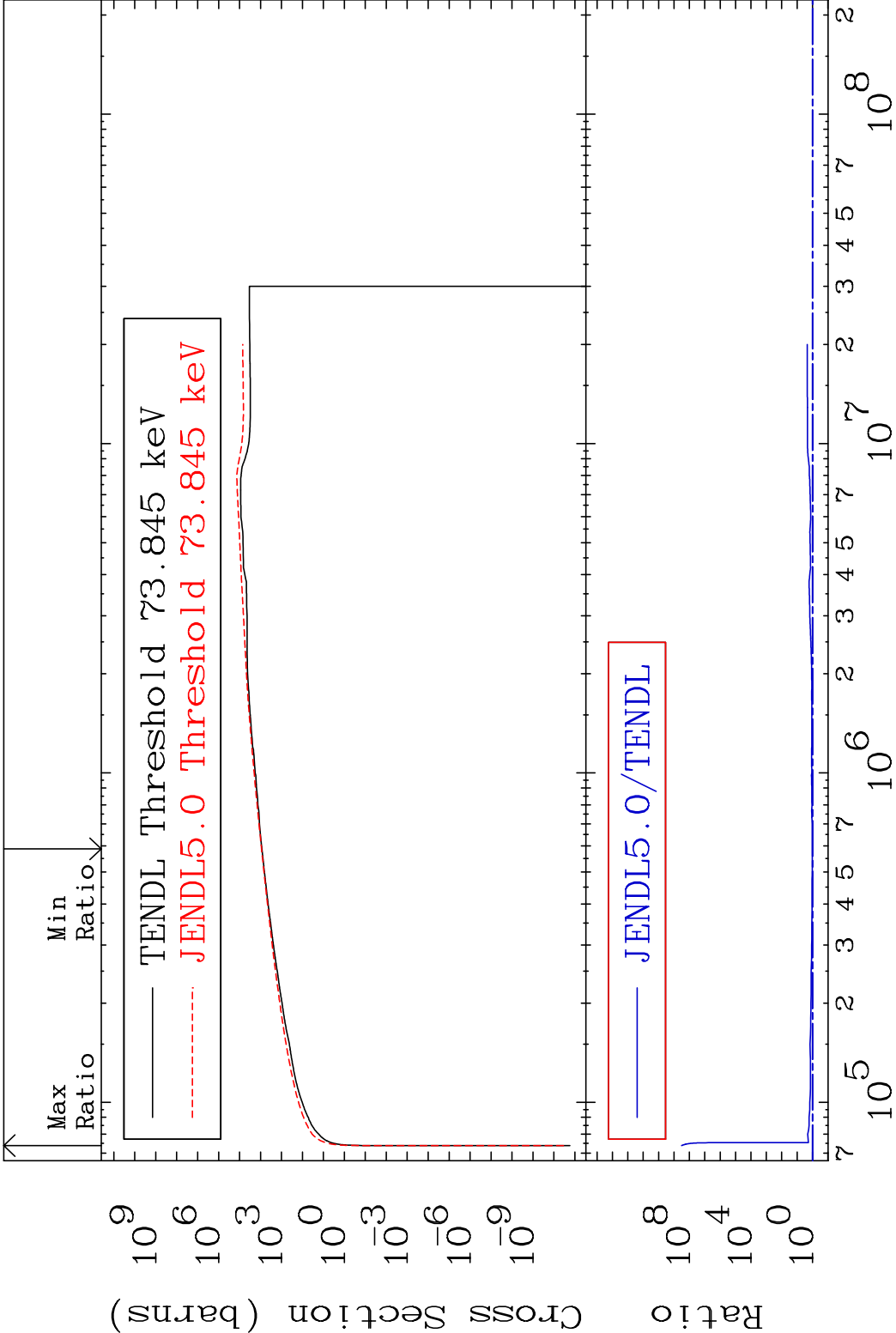
MAT 6649 Dpa elastic (mt2) 66-Dy-164
Cross Section -99.77 To 1726. %



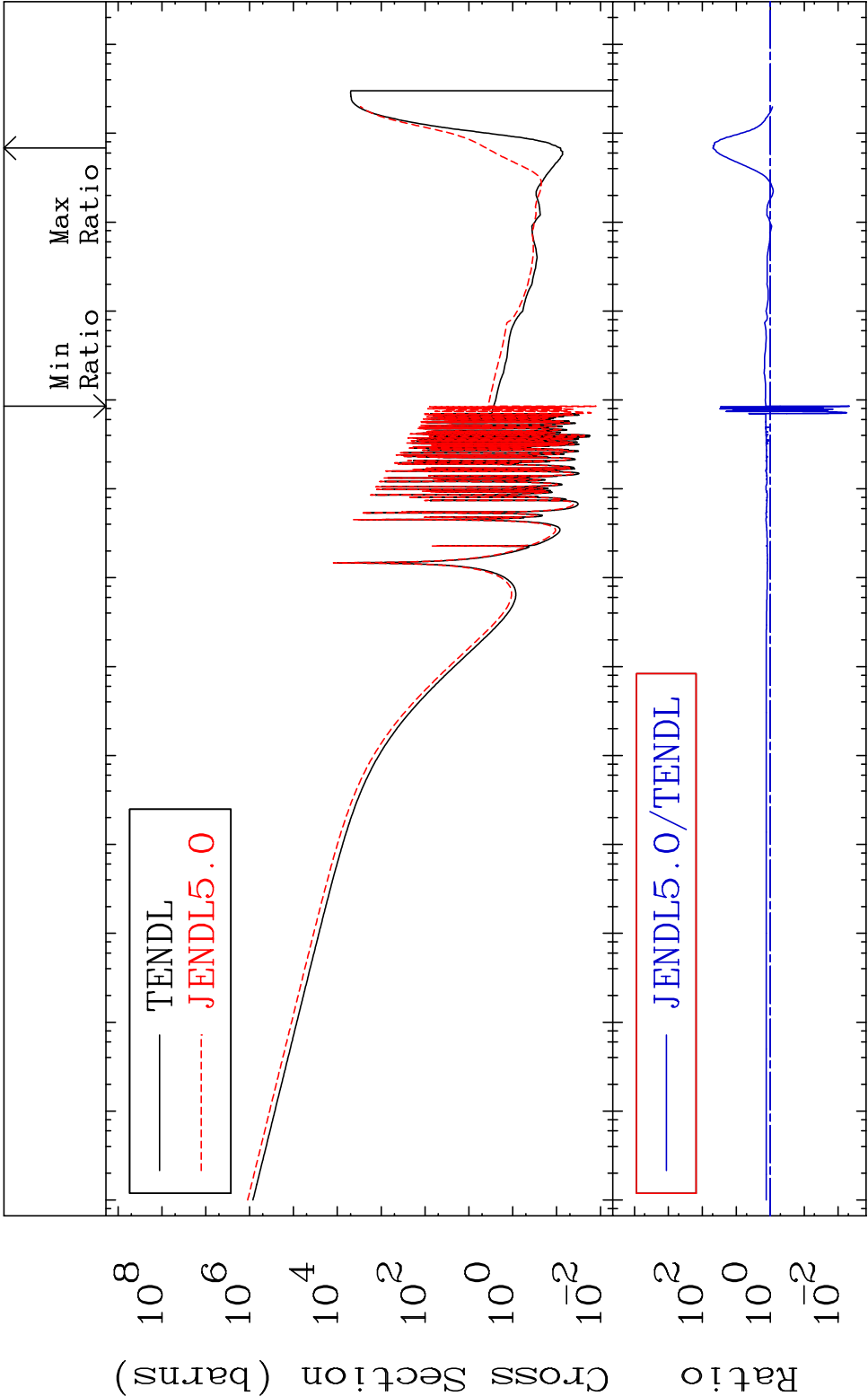
48 Incident Energy (eV) 66-Dy-164

MAT 6649 Dpa inelastic (mt51-91) 66-Dy-164

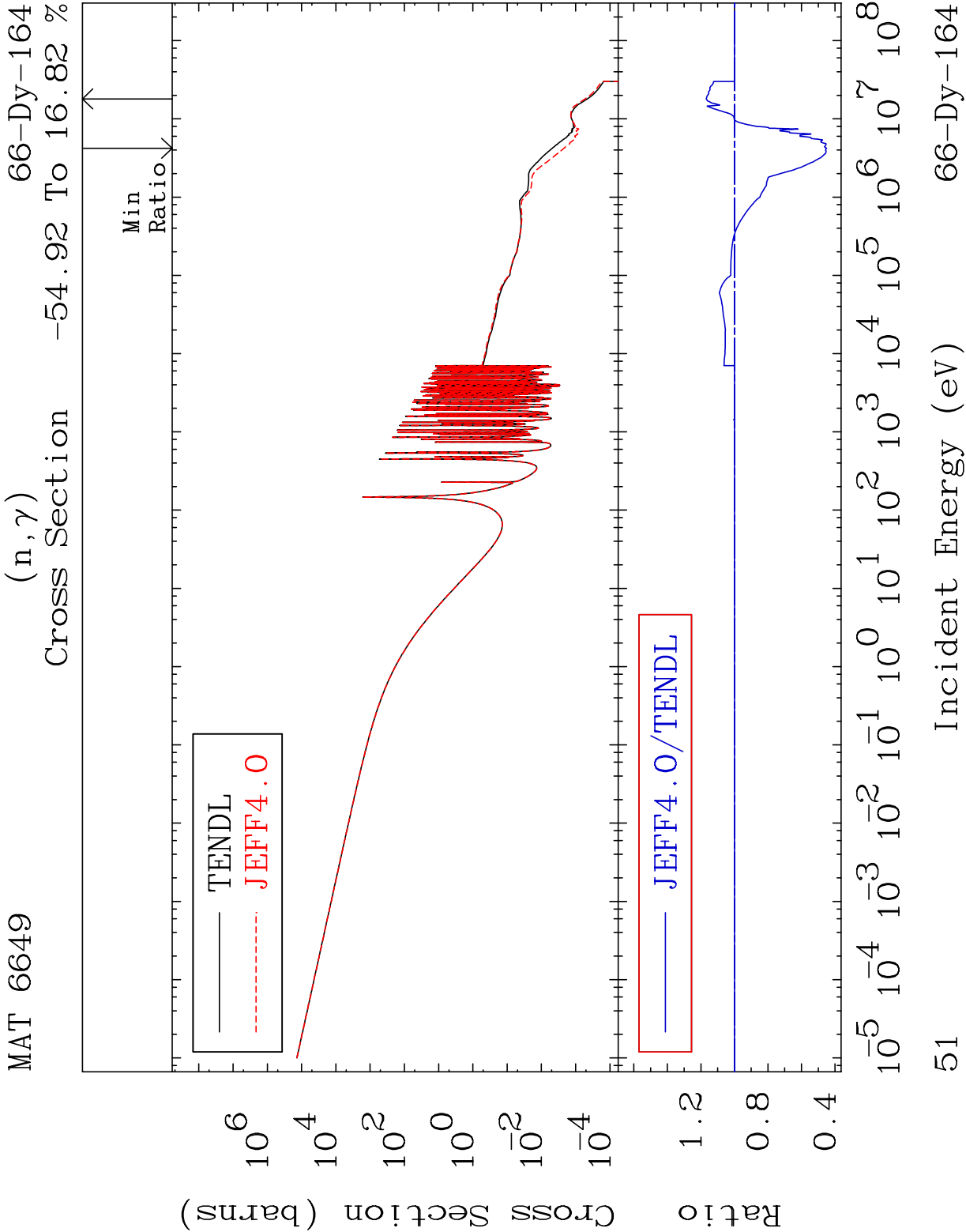
Cross Section 4.106 To 9999. %

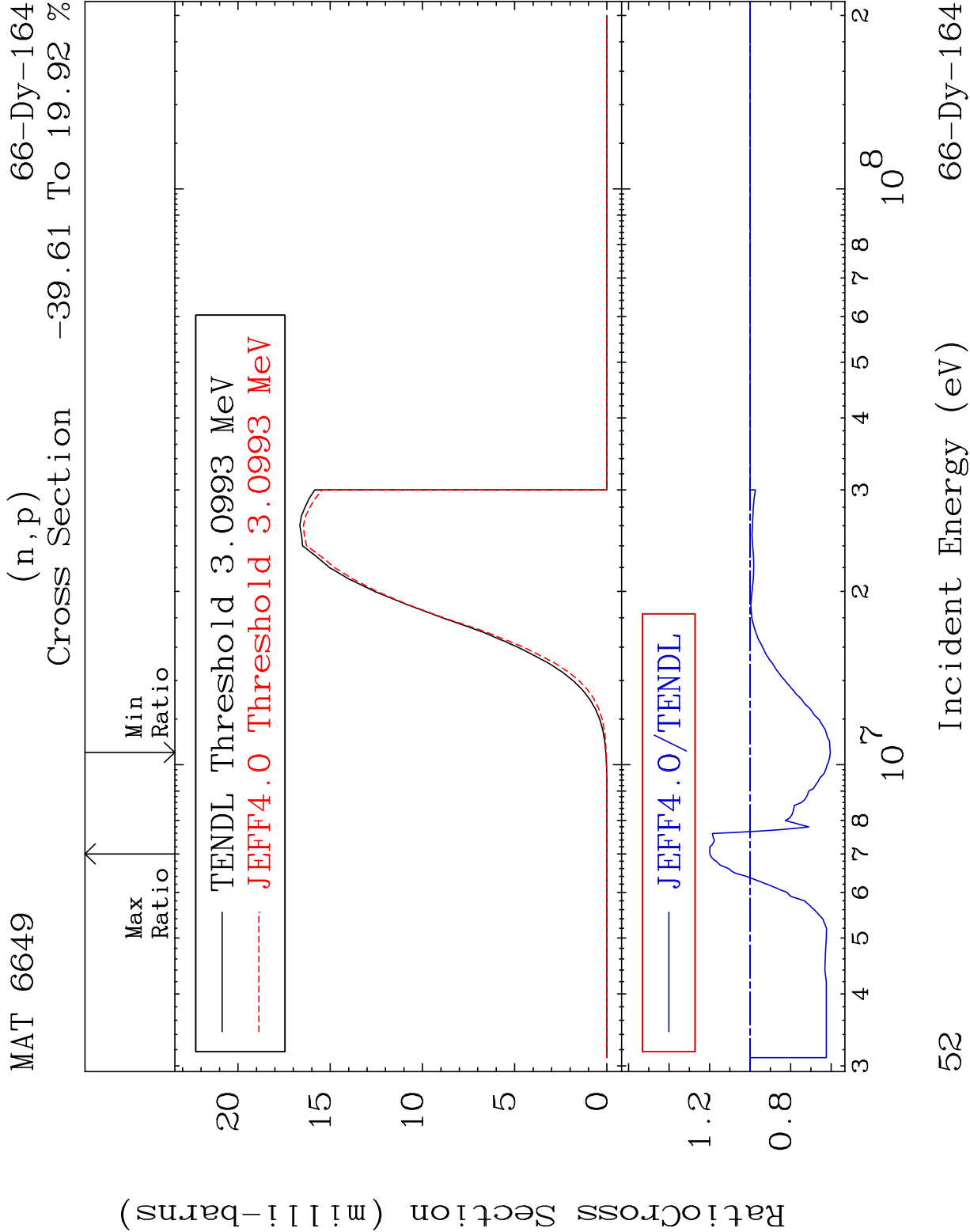


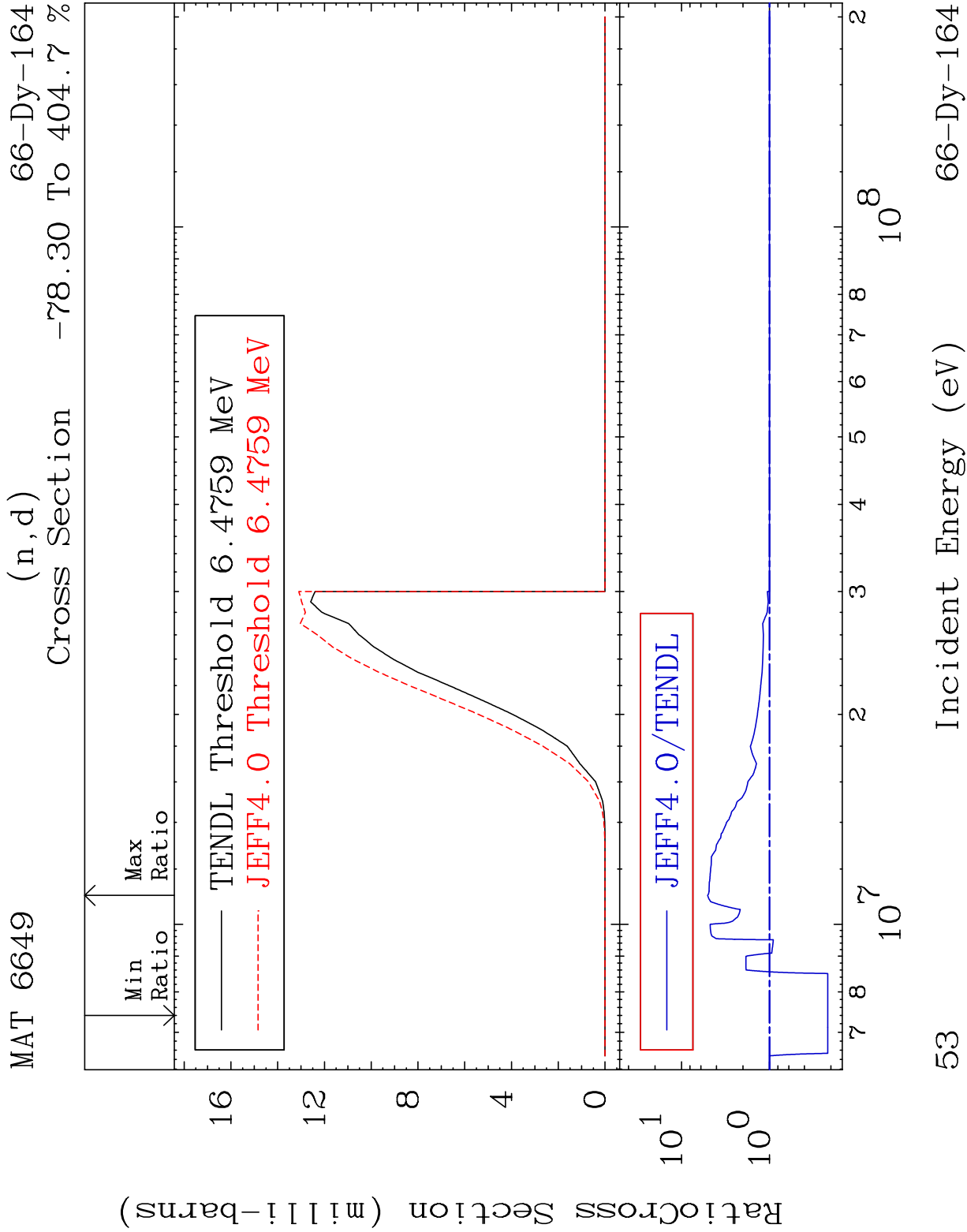
MAT 6649 Dpa disappearance (mt102 -120) 66-Dy-164
Cross Section -99.54 To 4823. %

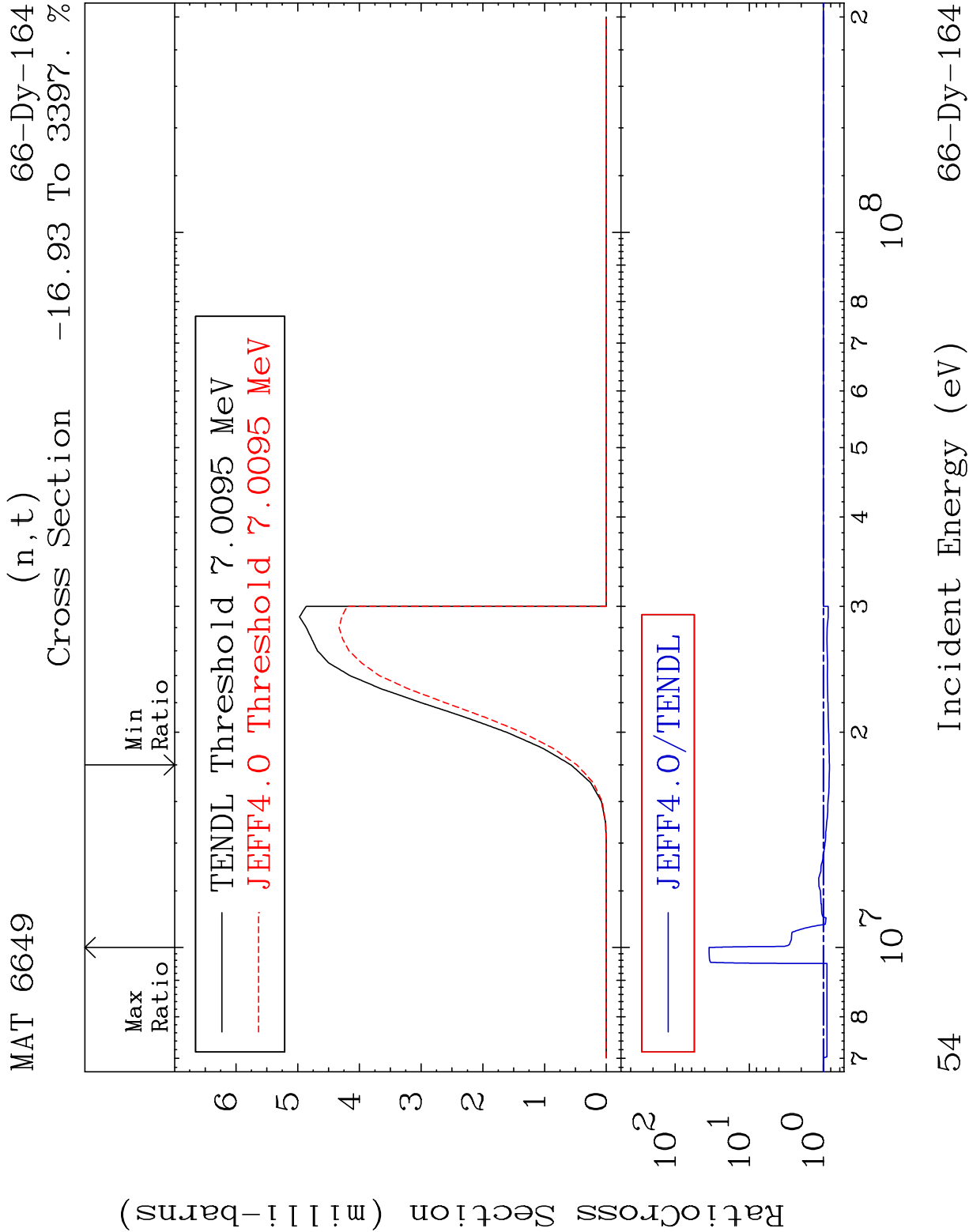


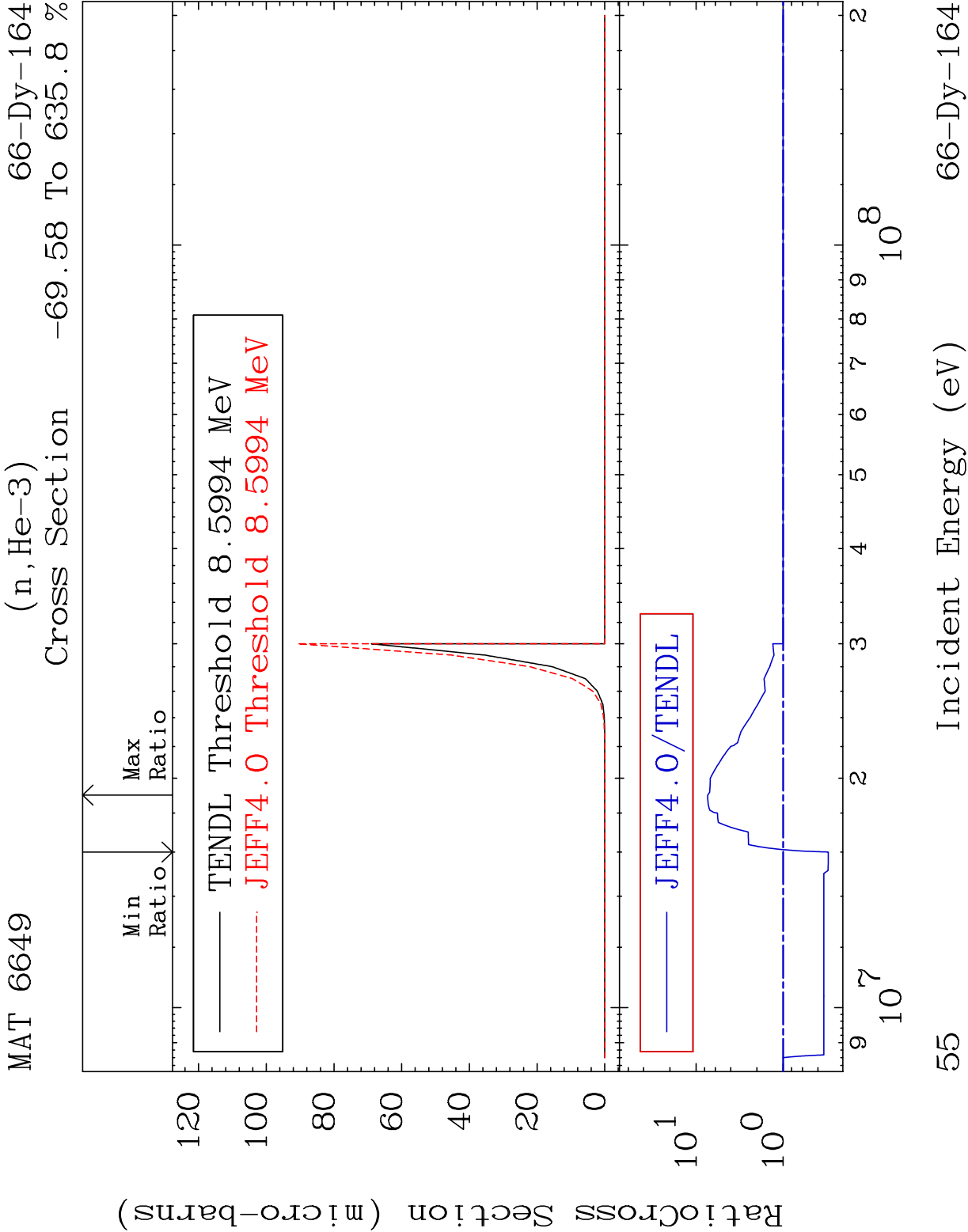
50 Incident Energy (eV) 66-Dy-164



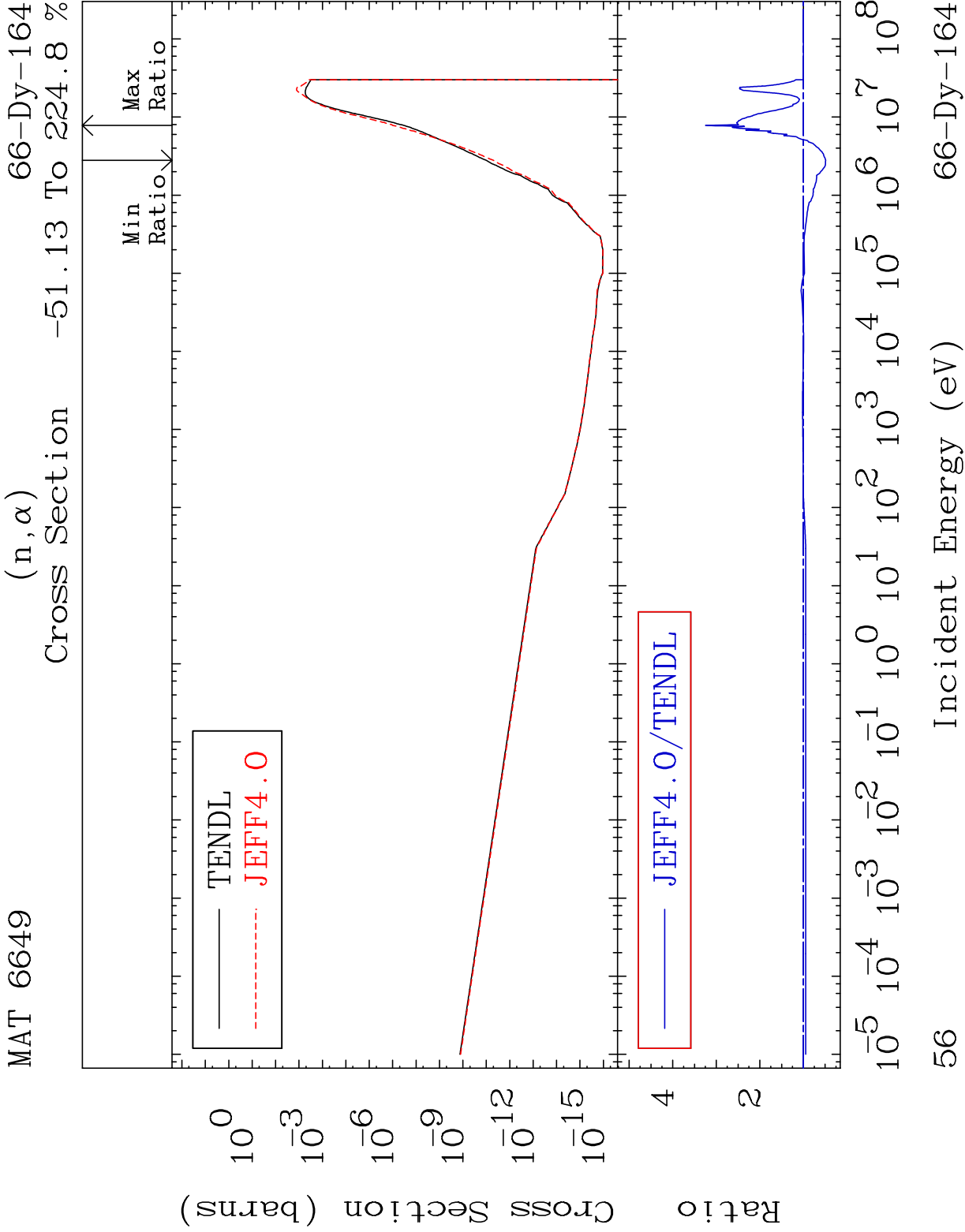








55

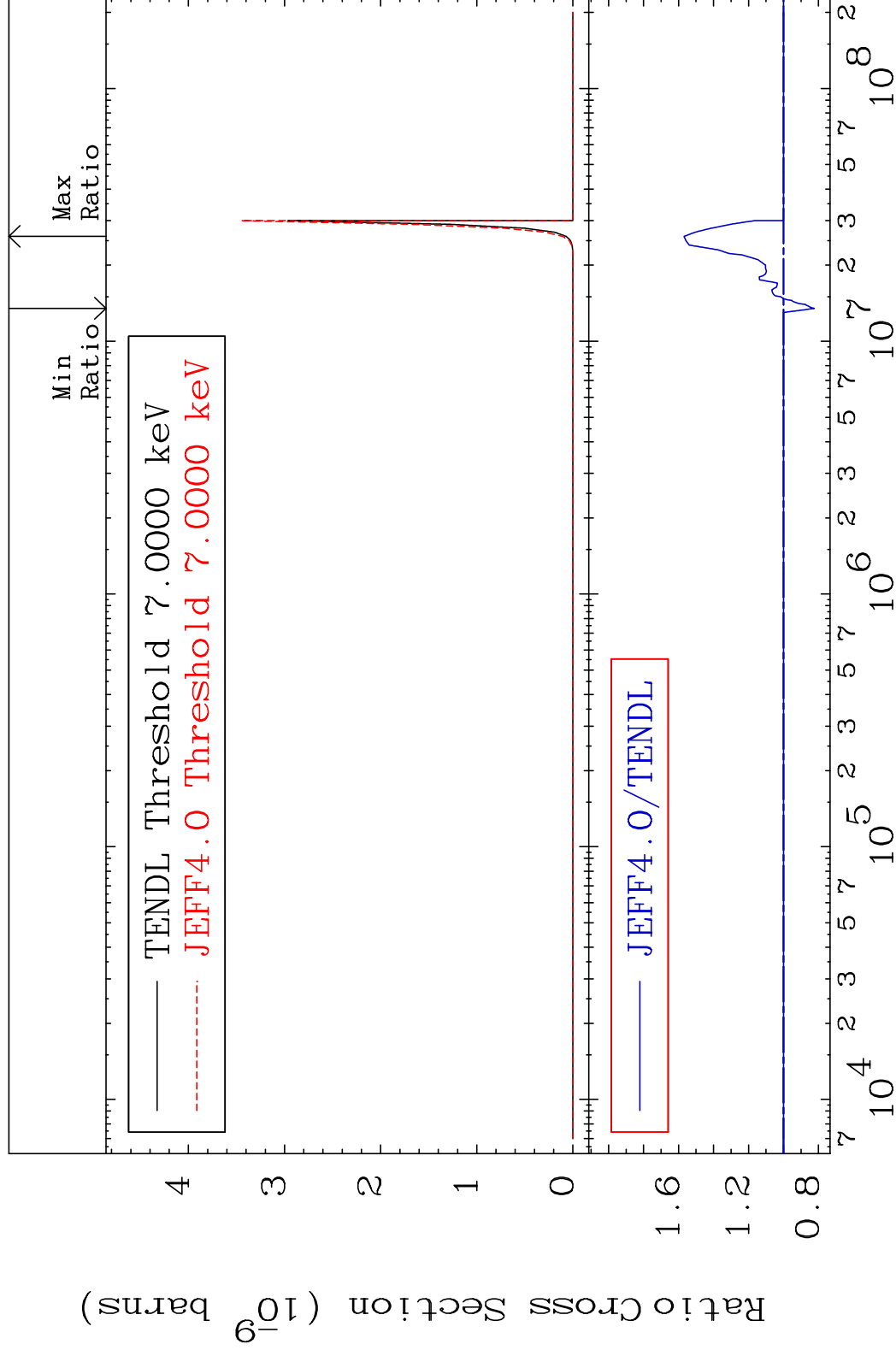


MAT 6649

$$(n, 2\alpha)$$

66-Dy-164

Cross Section -17.60 To 56.87 %



TENDL Threshold 7.0000 keV

JEF4.0 Threshold 7.0000 keV

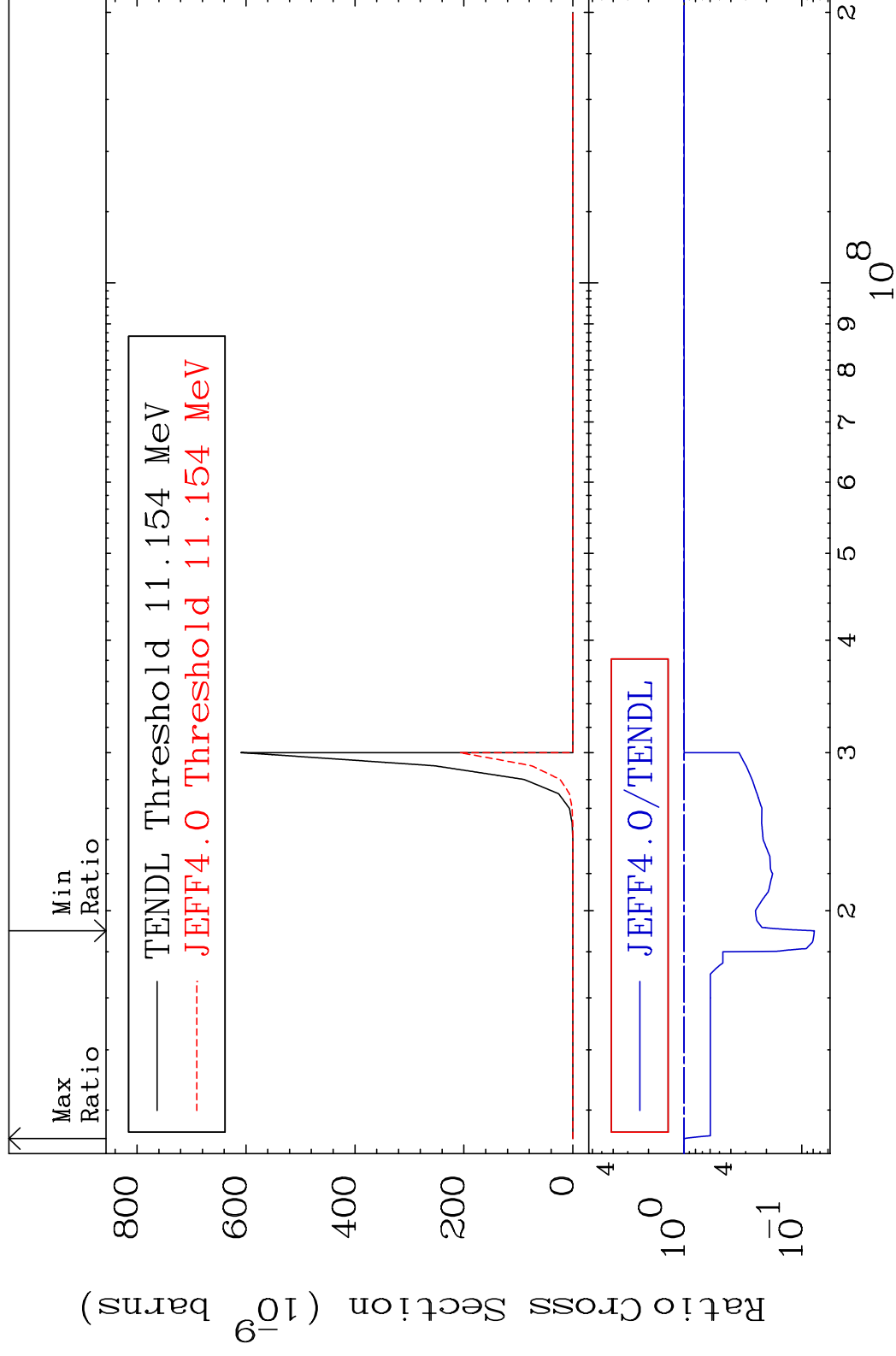
JEFF4.O/TENDL

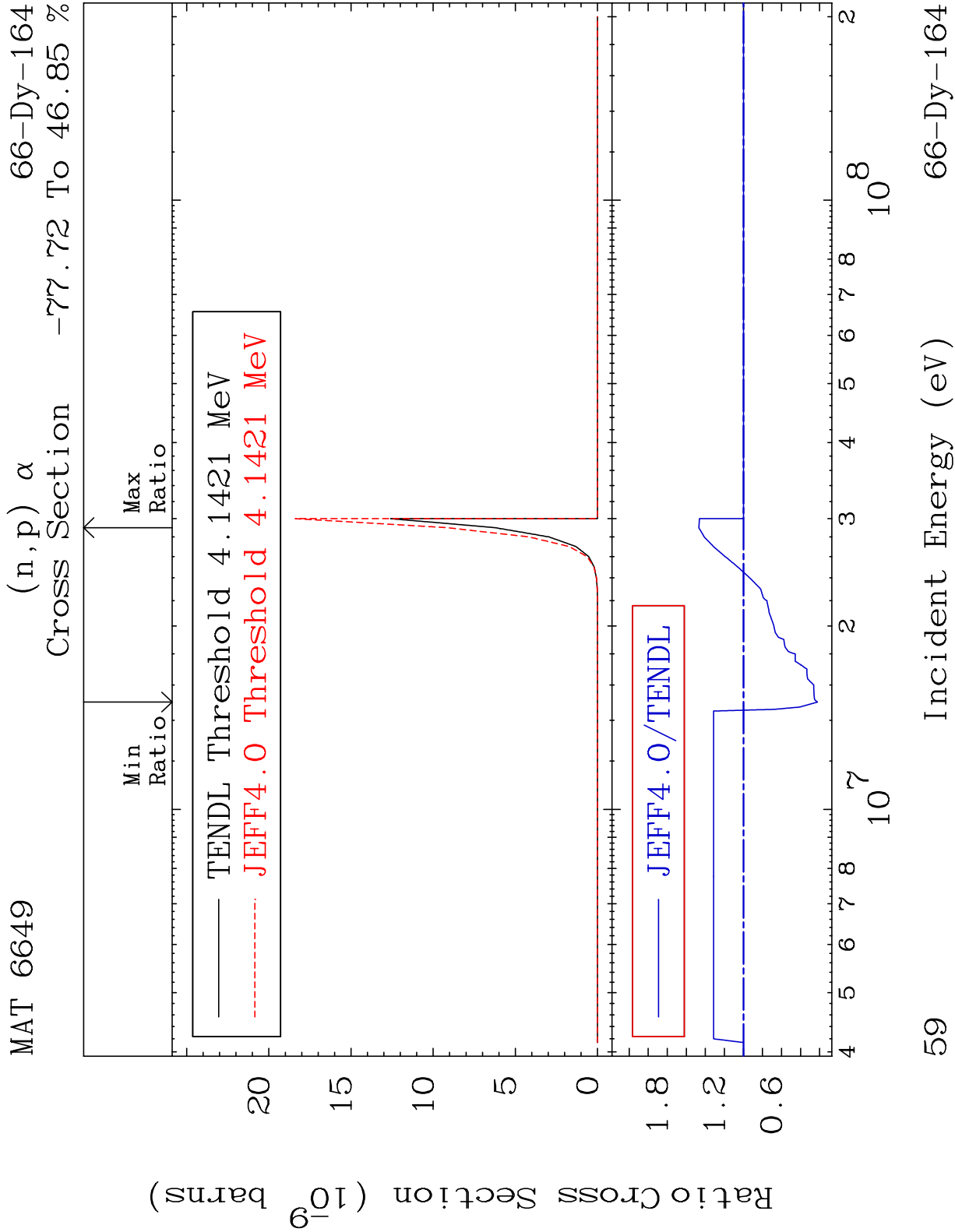
25

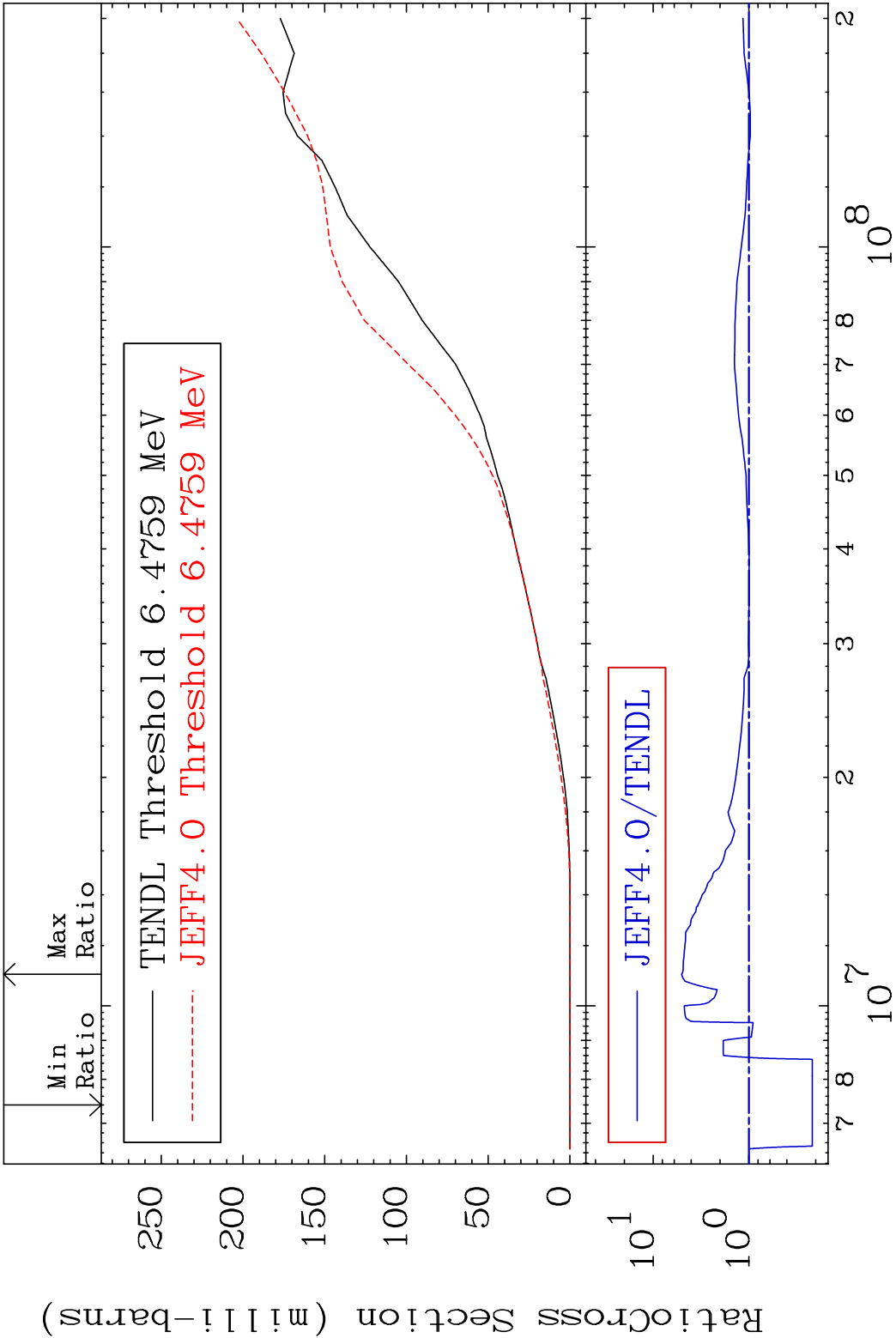
Incident Energy (eV)

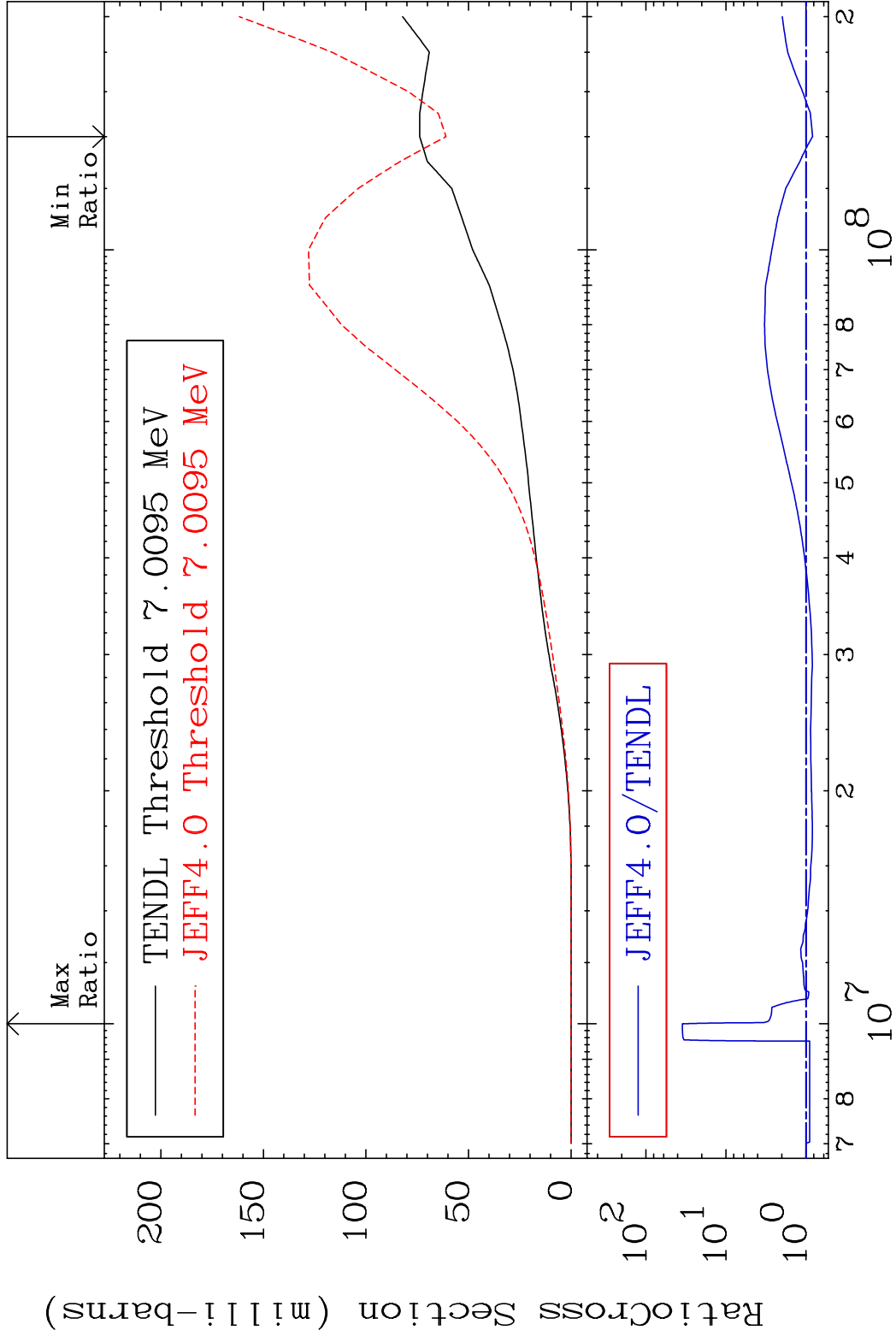
66-Dy-164

Cross Section -92.15 To 0.000 %

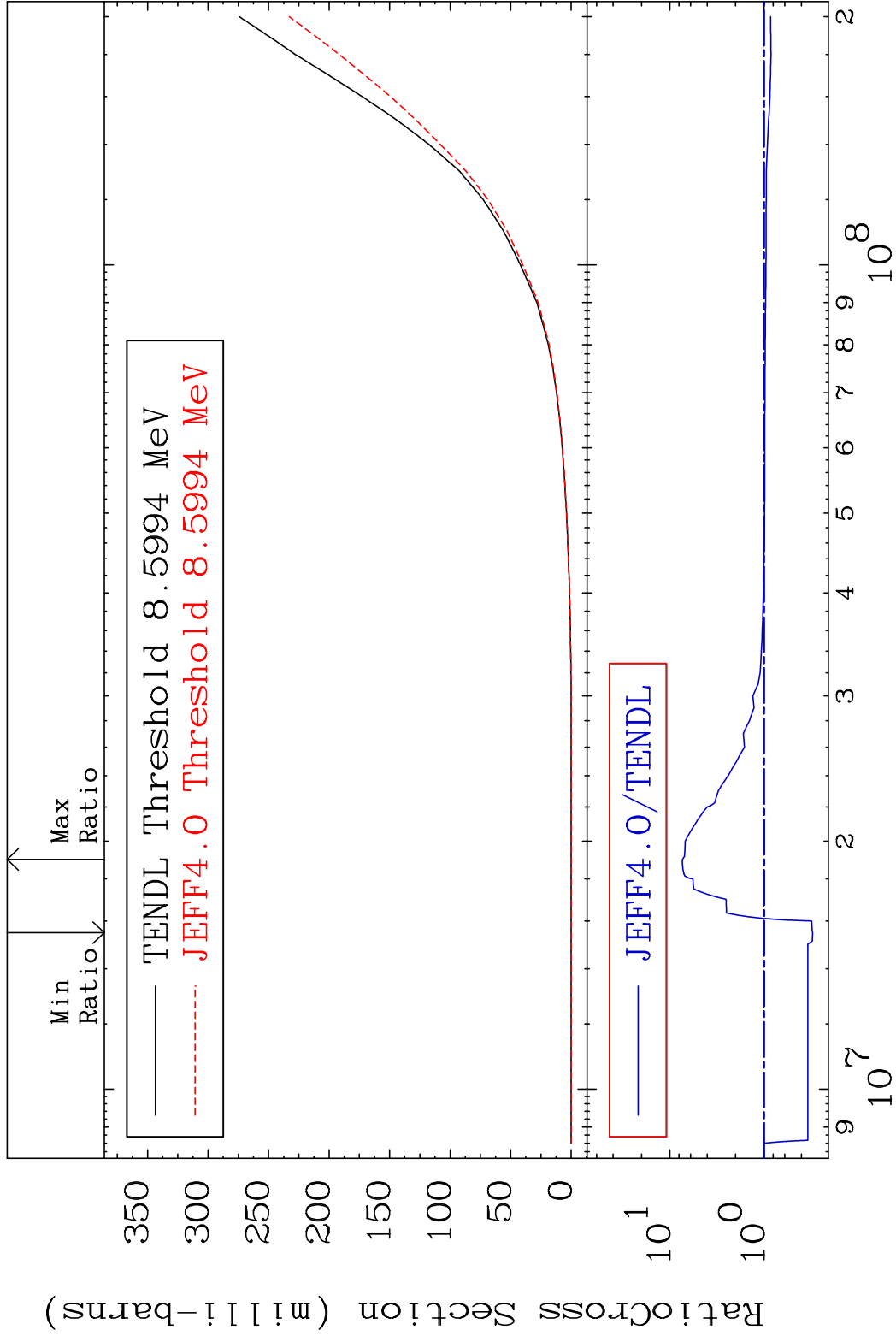




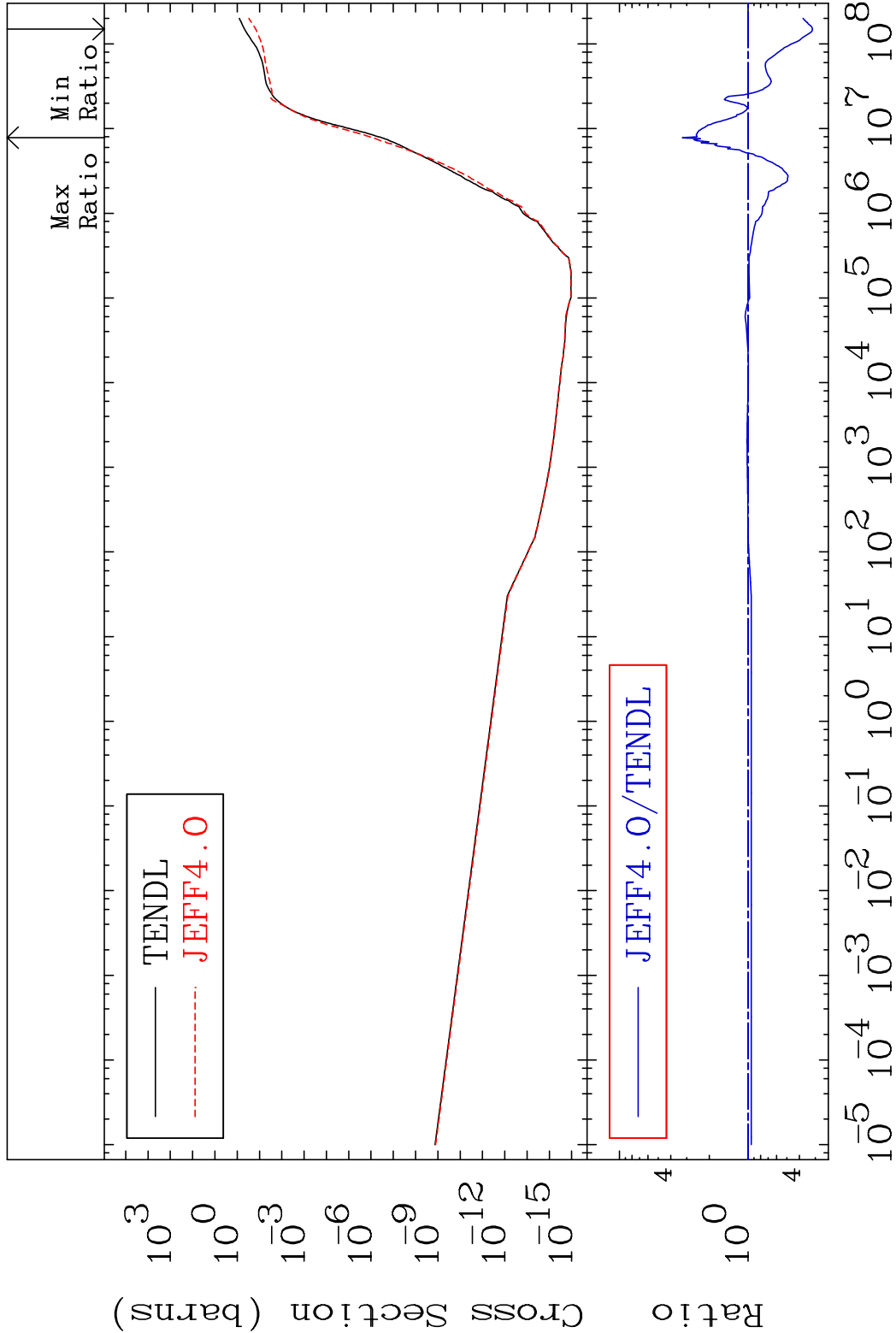




MAT 6649 He-3 Production 66-Dy-164
Cross Section -69.55 To 635.8 %

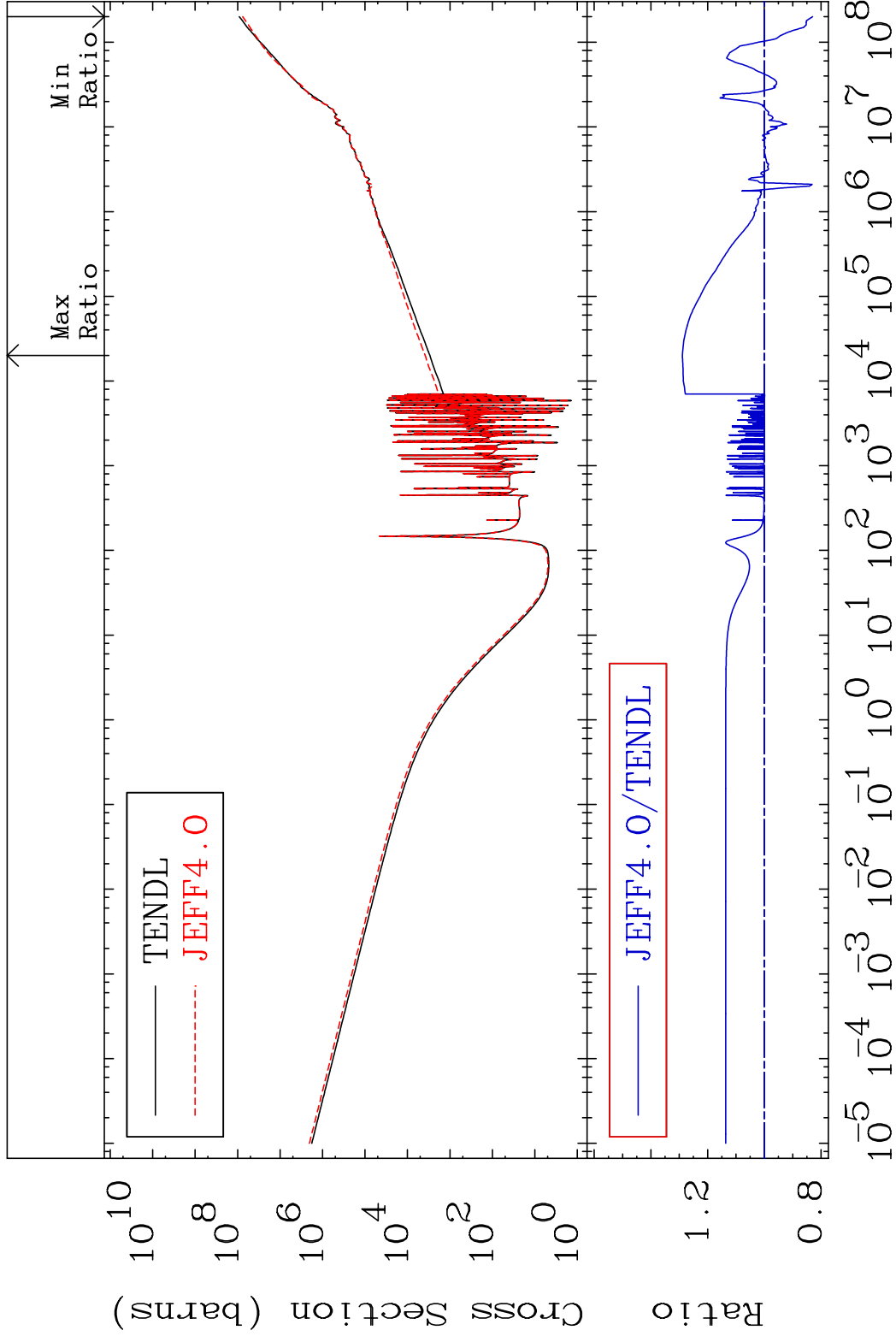


MAT 6649 He-4 Production 66-Dy-164
Cross Section -68.47 To 224.6 %

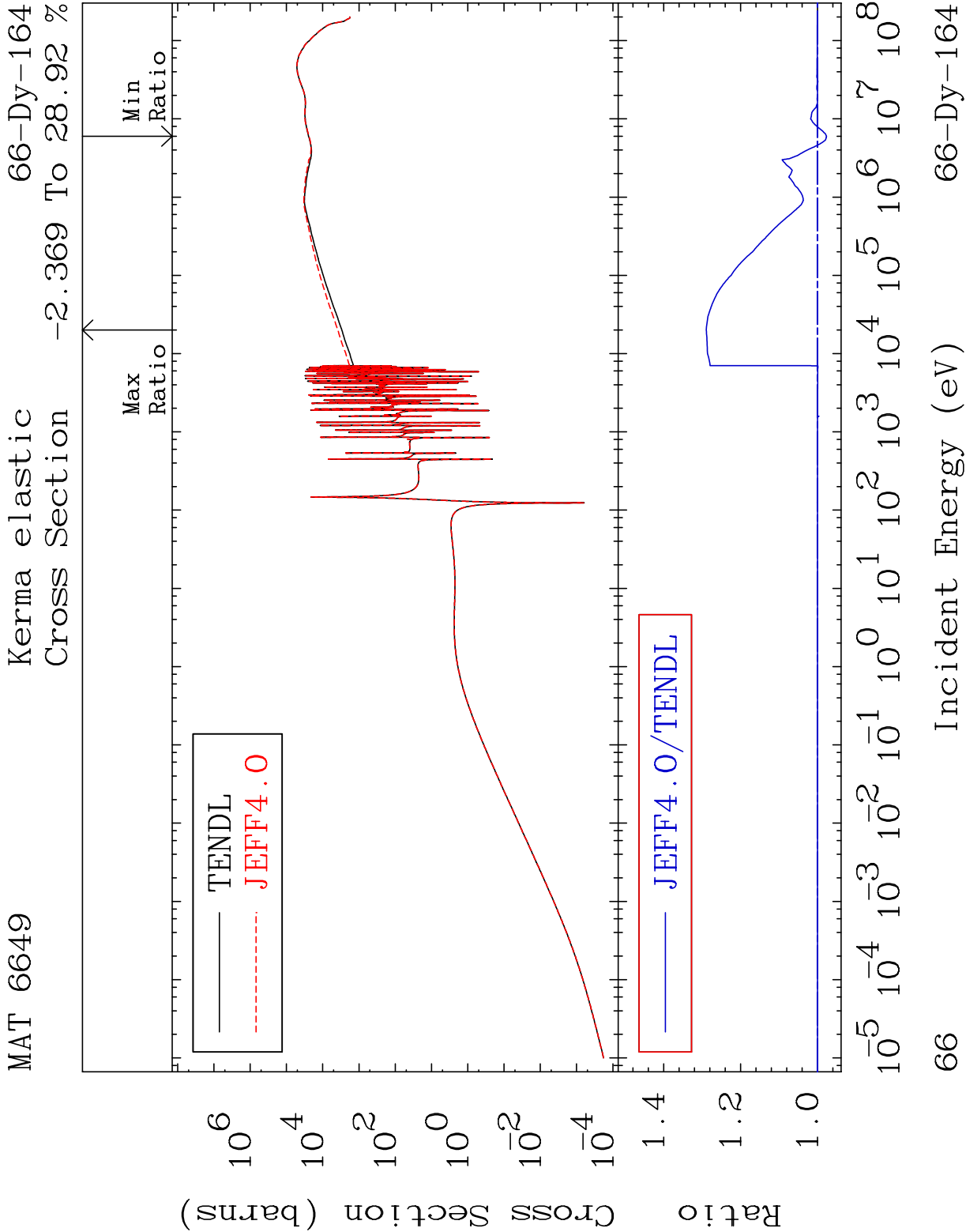


64 Incident Energy (eV) 66-Dy-164

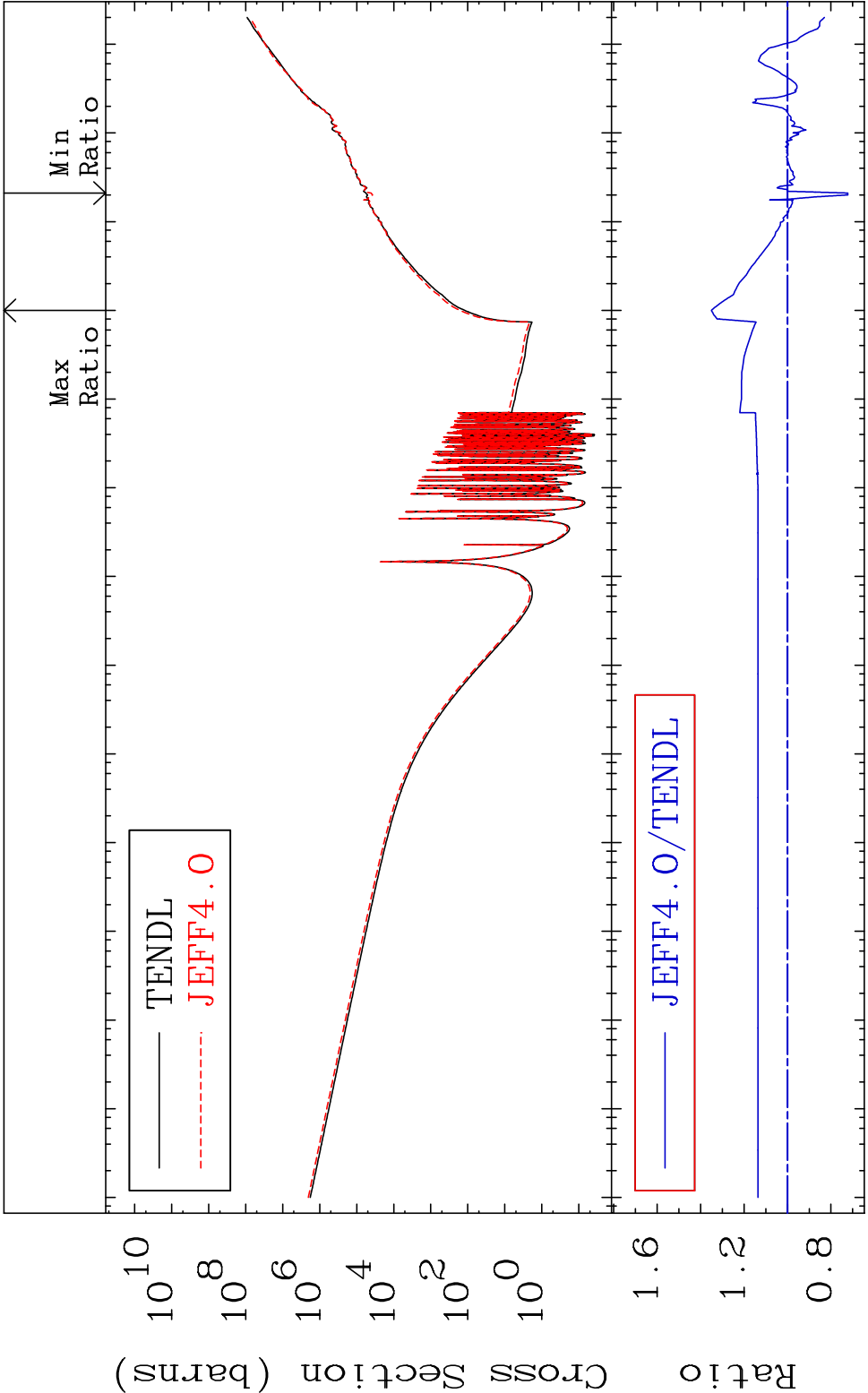
MAT 6649 Kerma total (eV-barns) 66-Dy-164
Cross Section -17.02 To 28.91 %



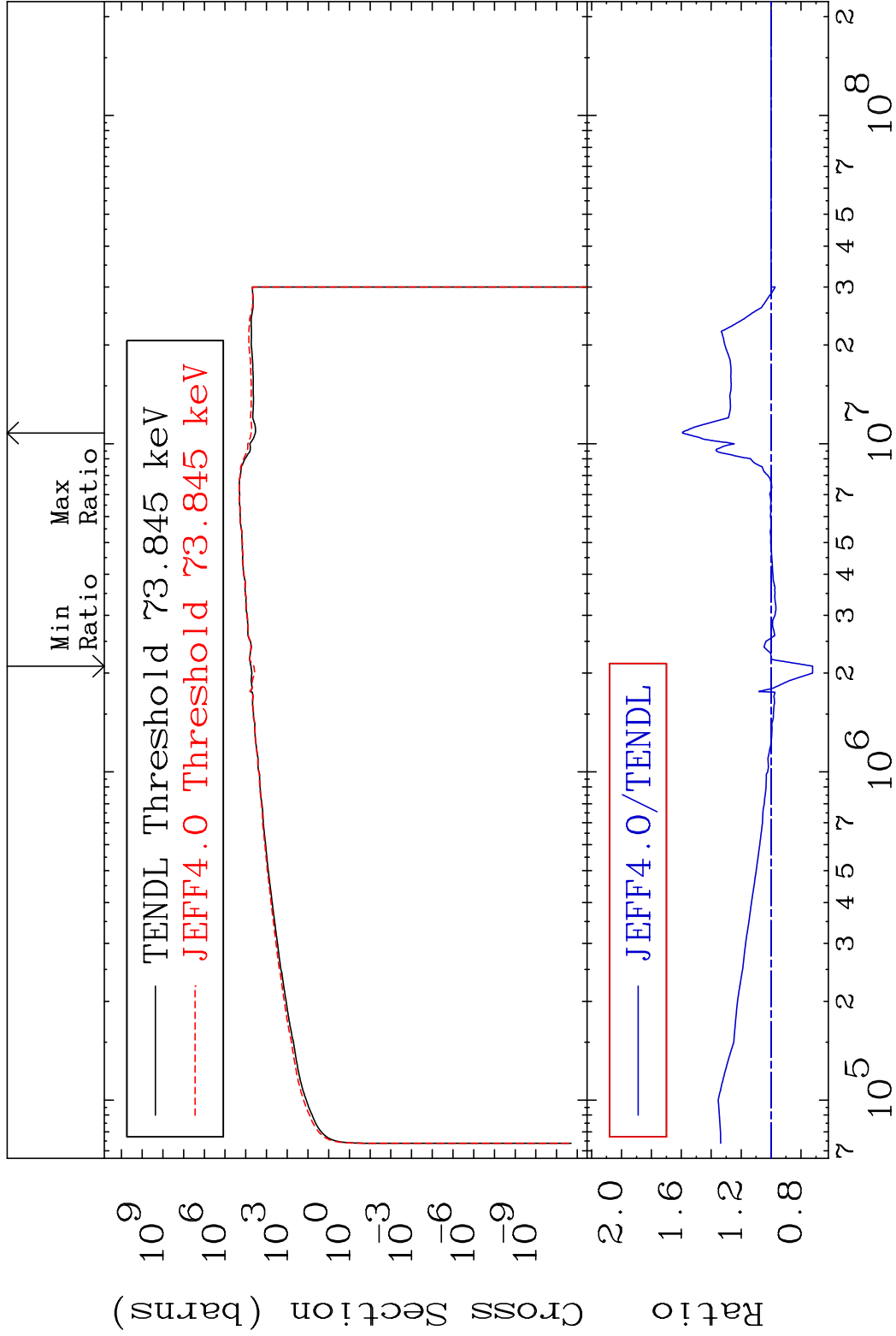
65 Incident Energy (eV) 66-Dy-164



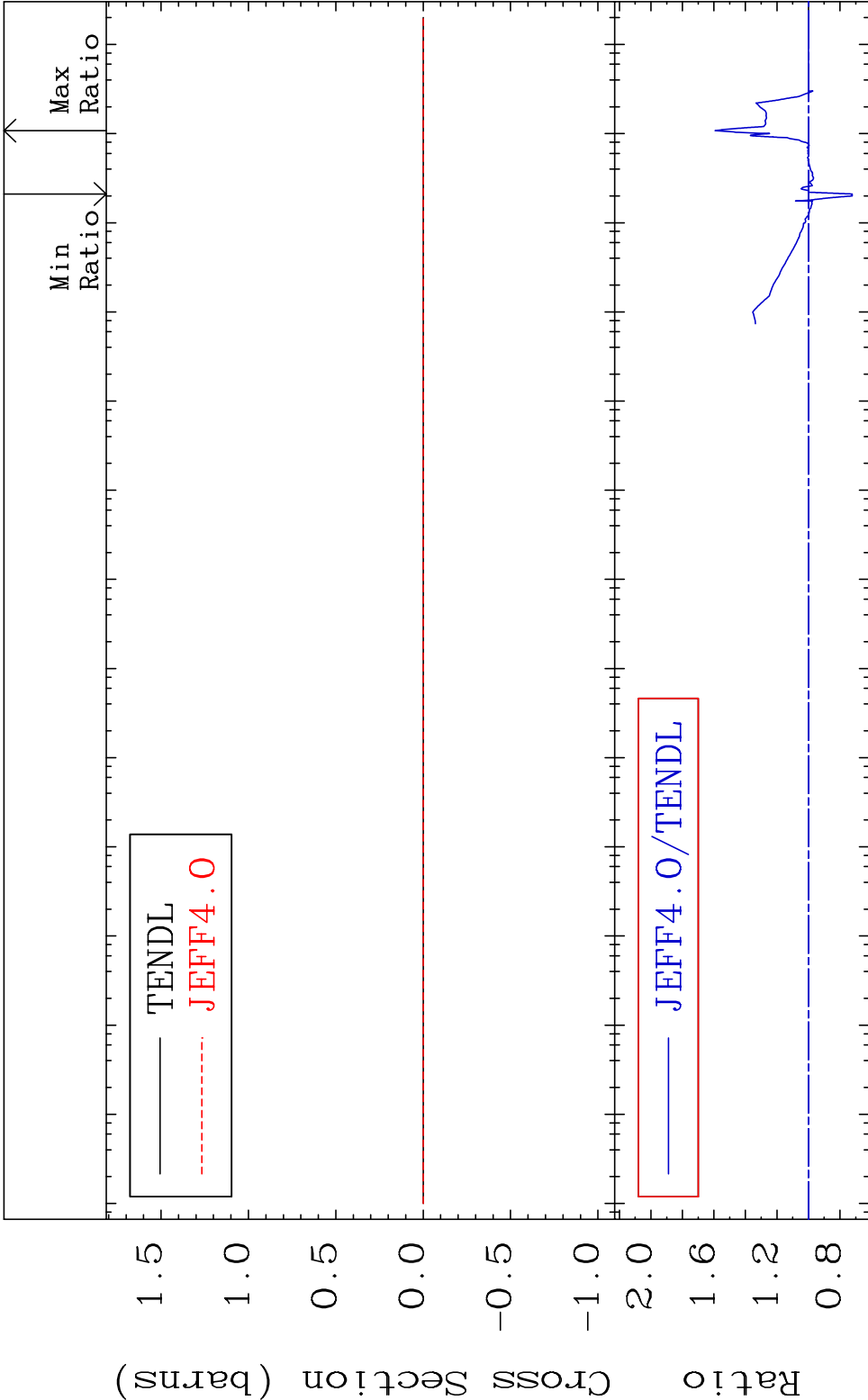
MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
Cross Section -27.74 To 35.07 %

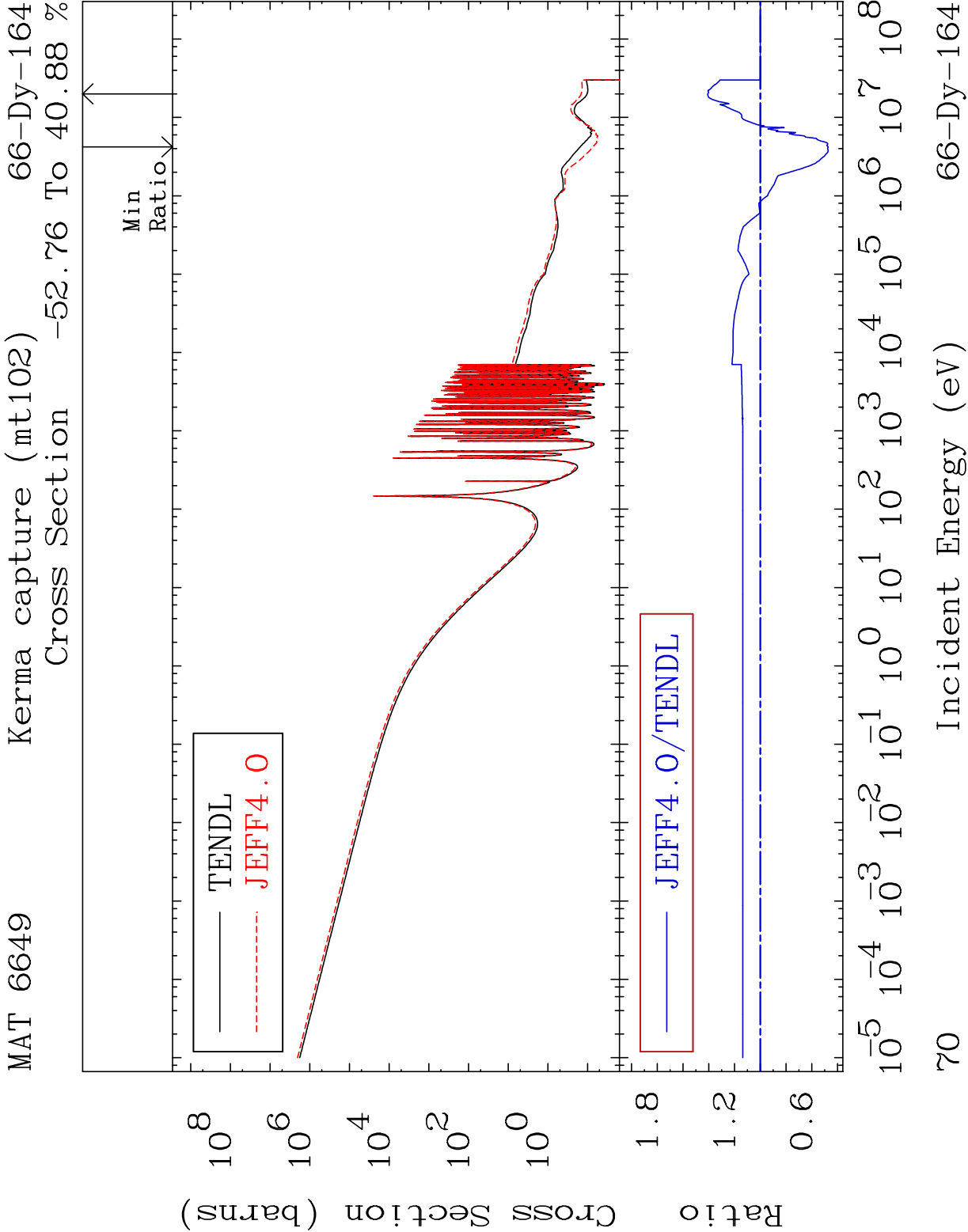


67 Incident Energy (eV) 66-Dy-164

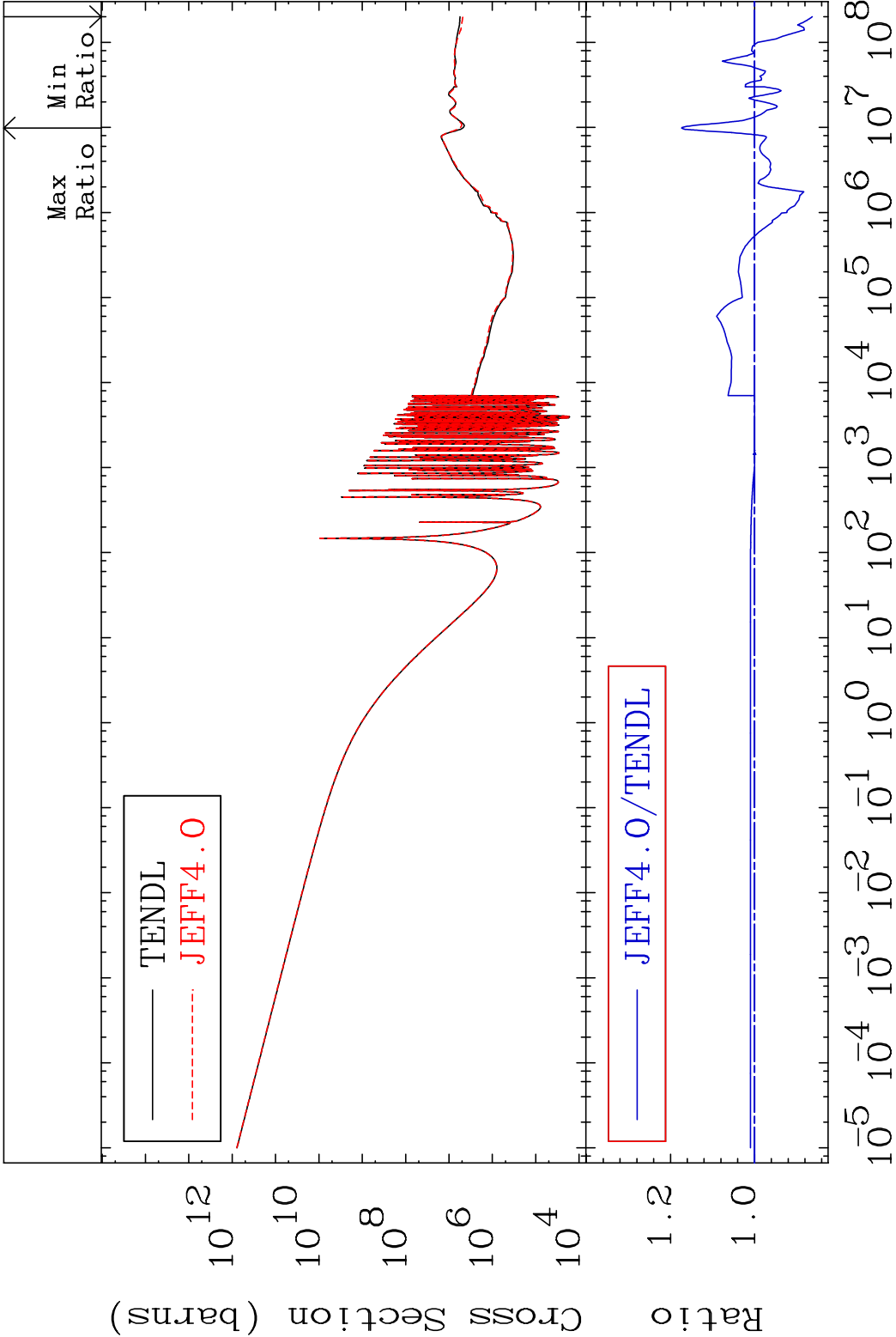


MAT 6649Kerma fission (mt18 or mt19-20-21-38)66-Dy-164
Cross Section -27.74 To 59.31 %



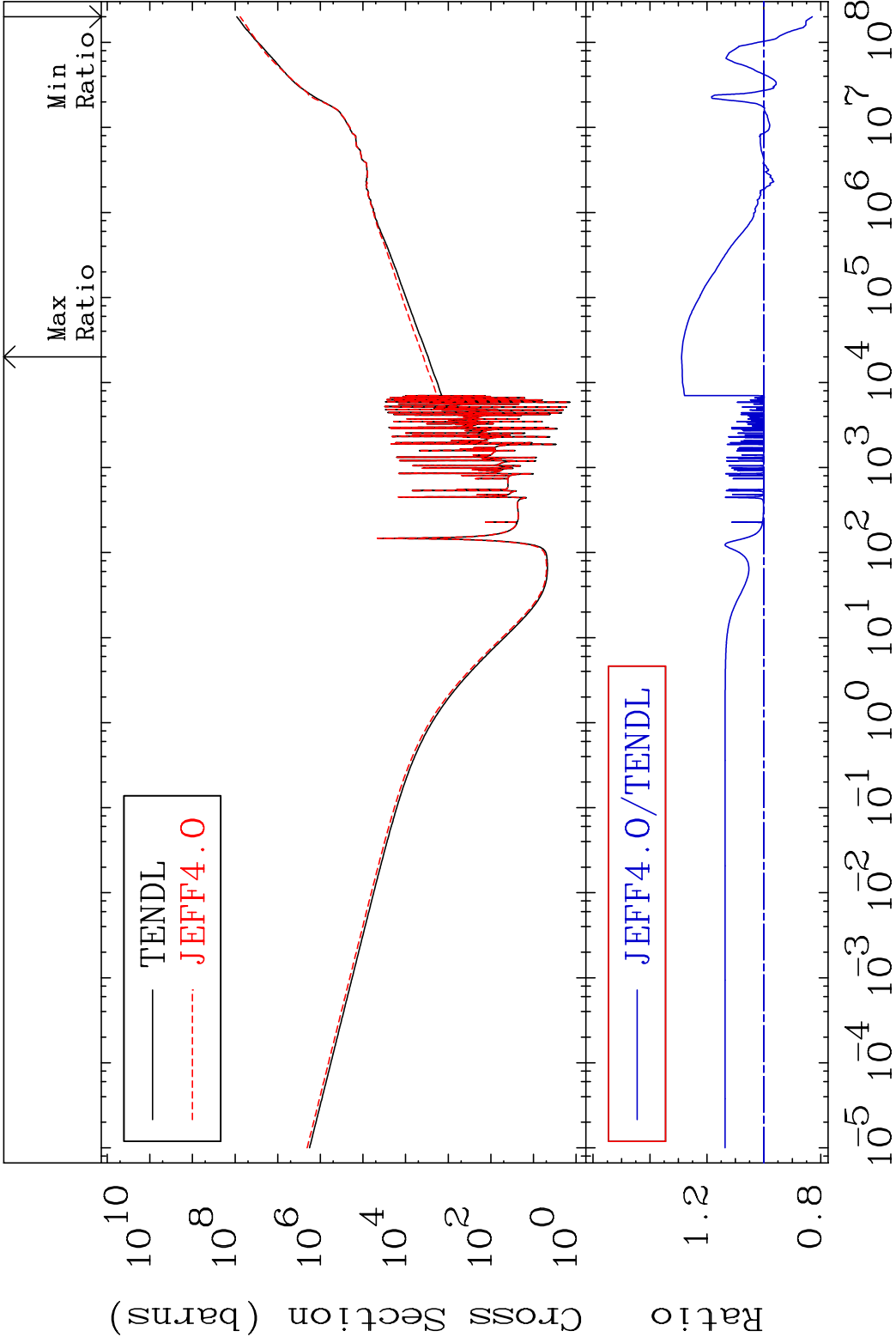


MAT 6649 Total photon (eV-barns) 66-Dy-164
Cross Section -13.73 To 17.37 %

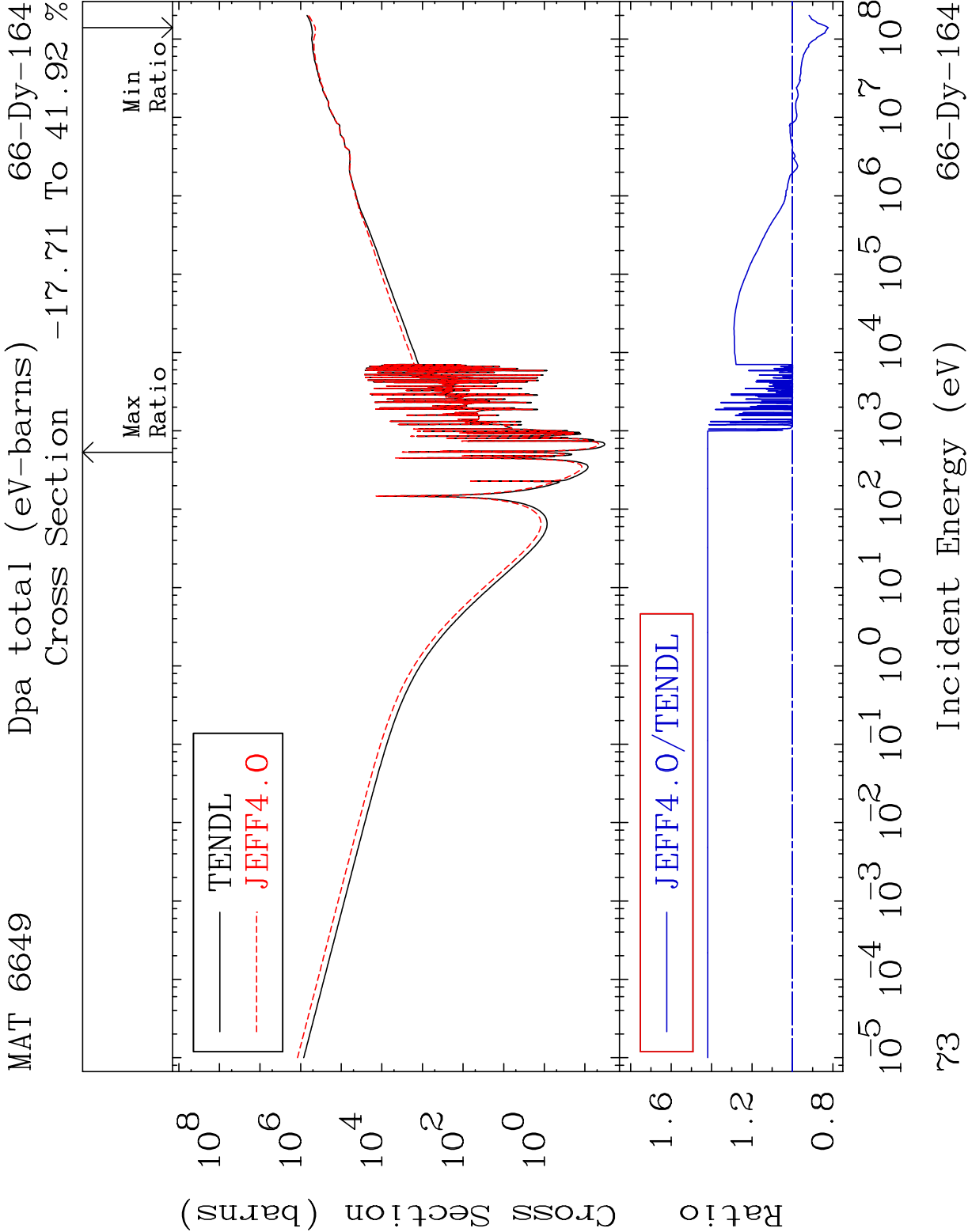


71 Incident Energy (eV) 66-Dy-164

MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
Cross Section -17.02 To 28.91 %



72 Incident Energy (eV) 66-Dy-164



MAT 6649

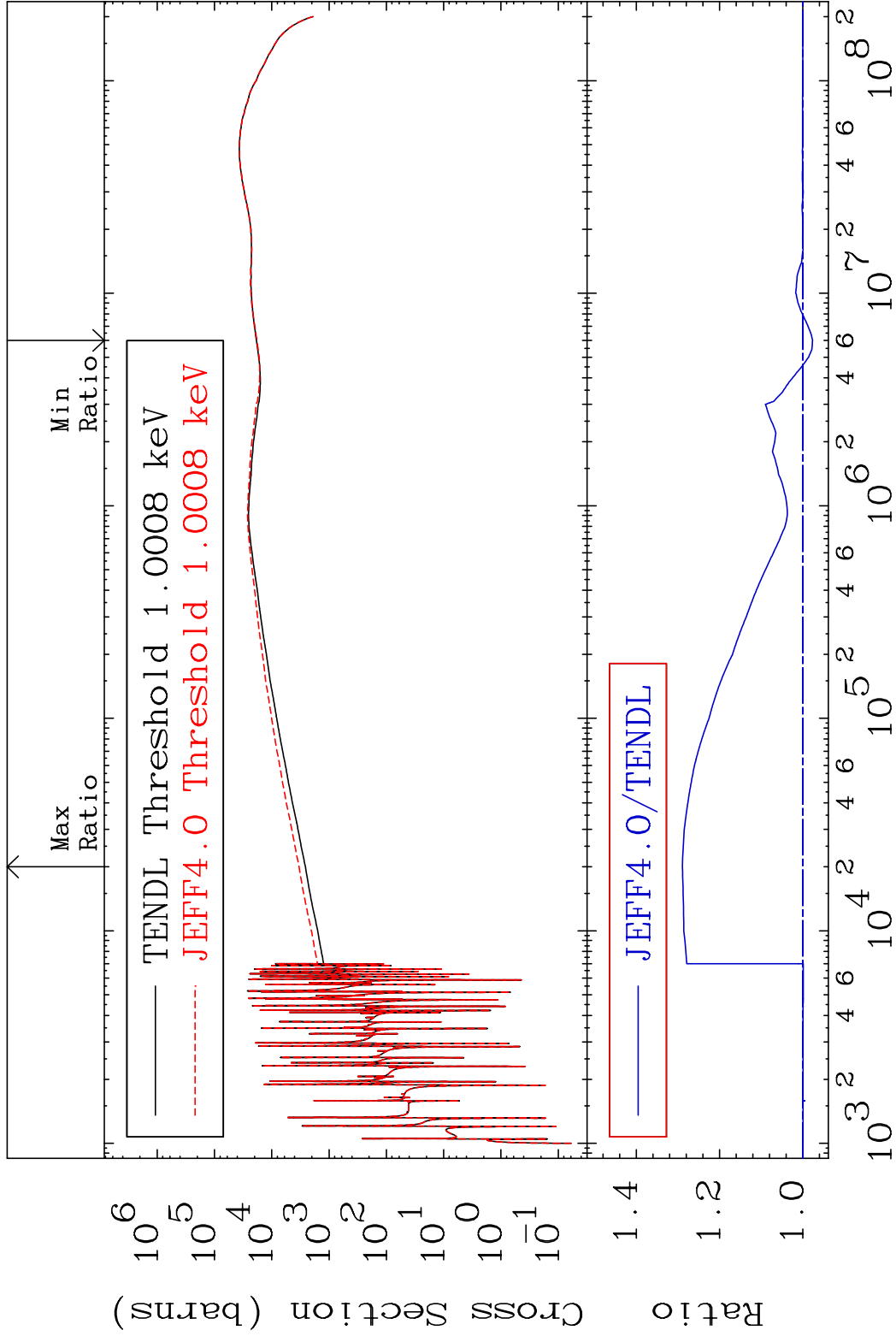
Dpa elastic (mt2)

Cross Section

66-Dy-164

-2.342

To 28.93 %

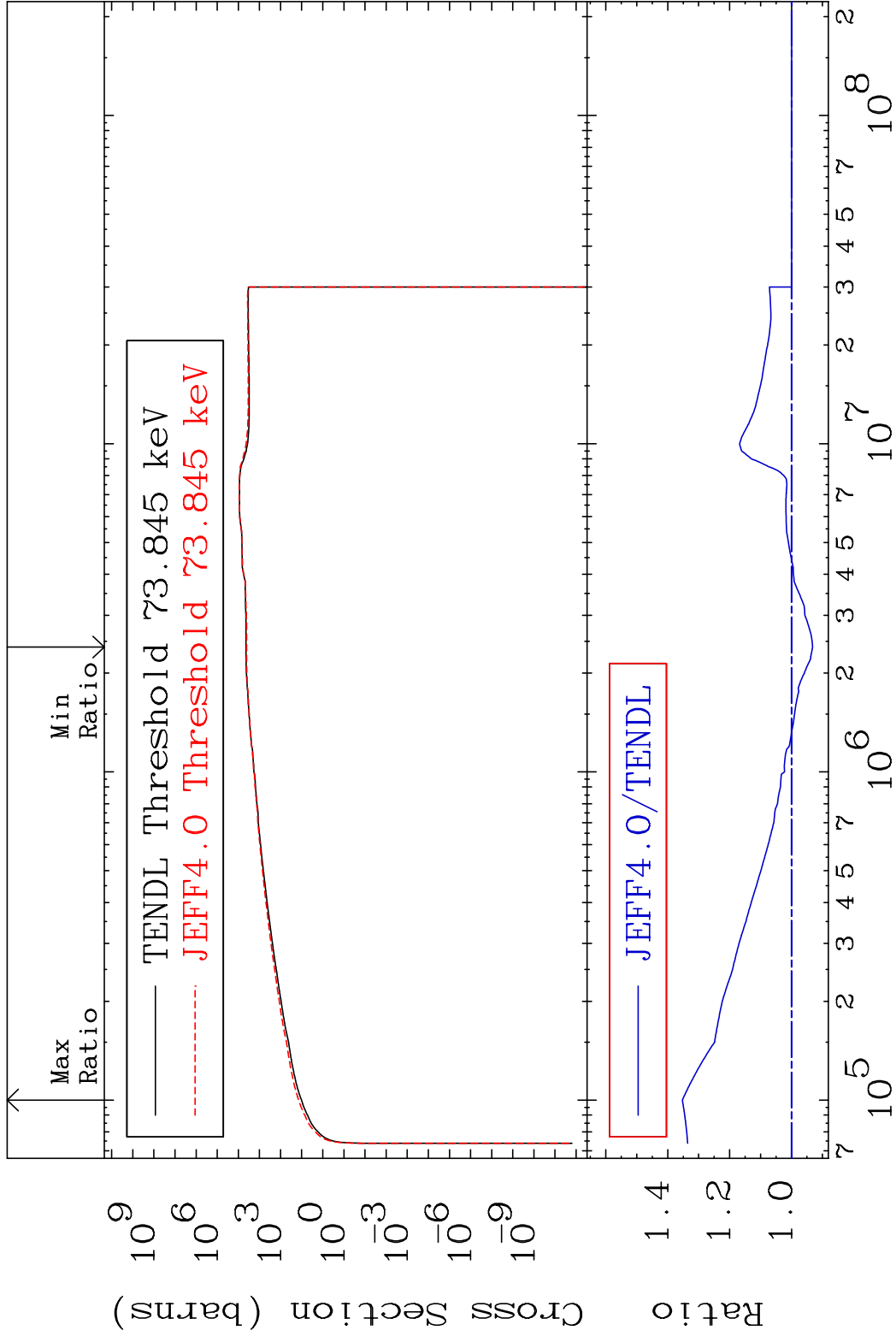


74

Incident Energy (eV)

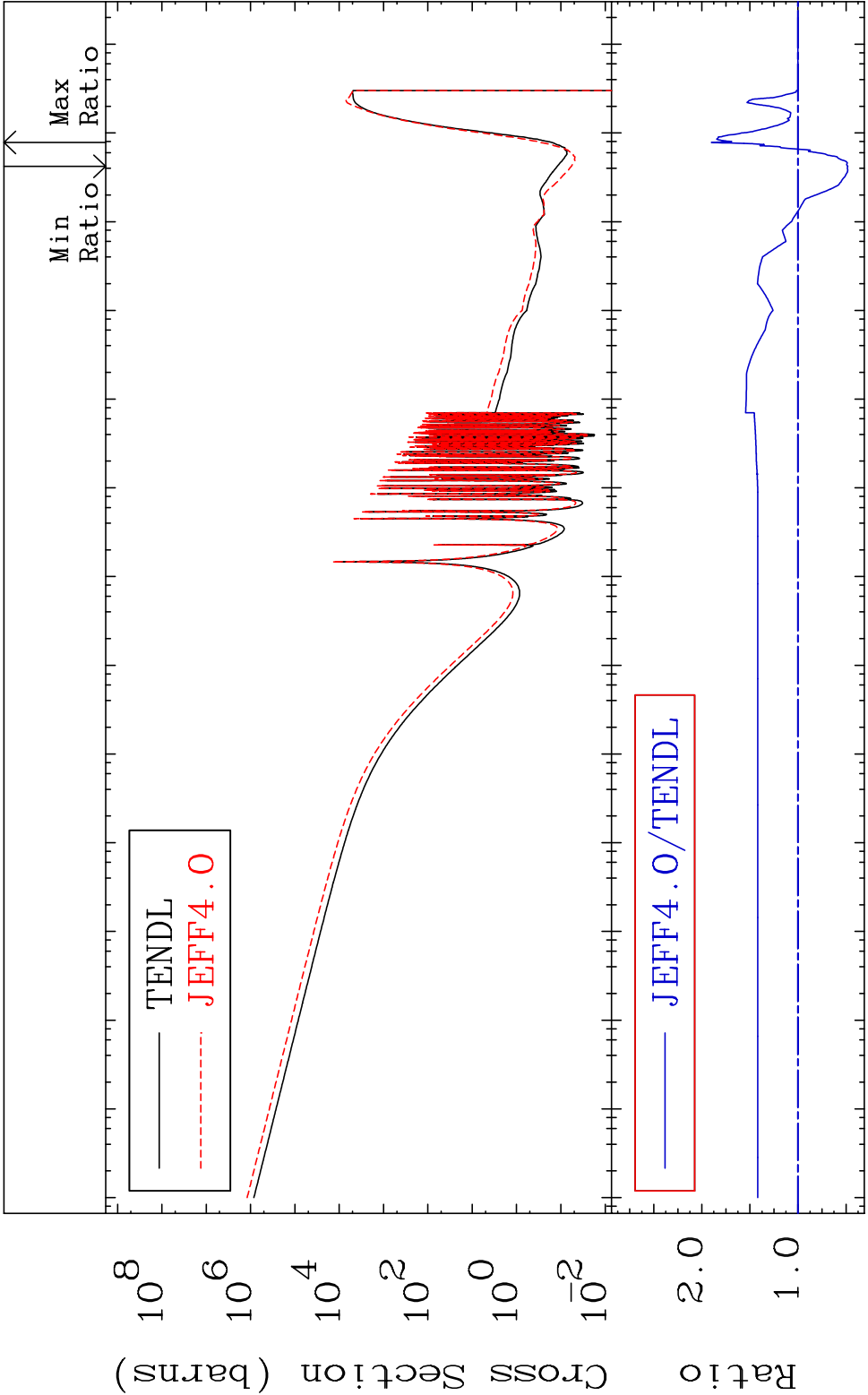
66-Dy-164

MAT 6649 Dpa inelastic (mt51-91) 66-Dy-164
Cross Section -6.795 To 35.28 %



75 Incident Energy (eV) 66-Dy-164

MAT 6649 Dpa disappearance (mt102 -120) 66-Dy-164
 Cross Section -51.81 To 90.12 %



10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

76 Incident Energy (eV) 66-Dy-164

