

Program Complot
(Version 2021-1)

by

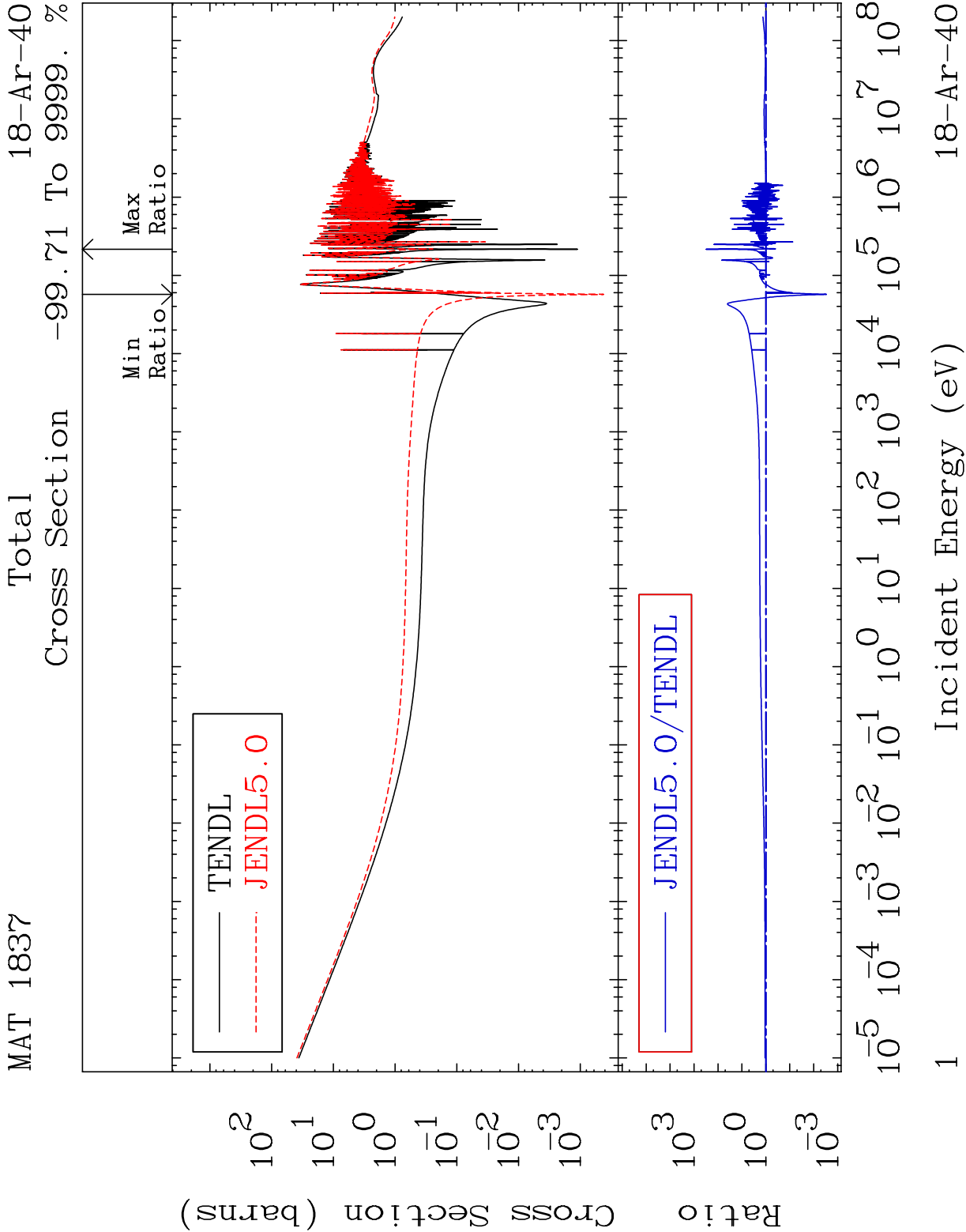
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(Present Contact Information)

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Press Mouse Button to Start

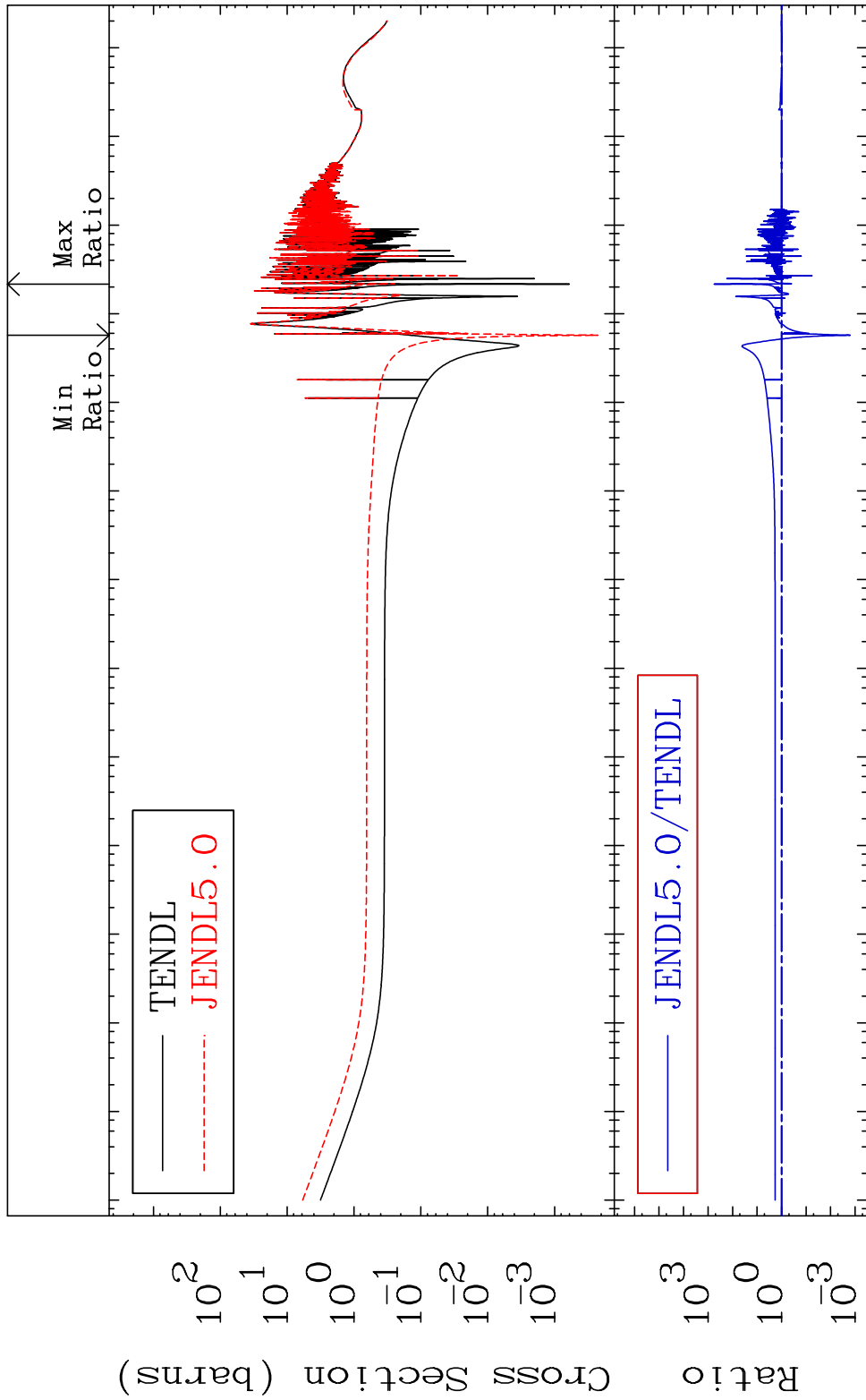


MAT 1837

Elastic

18-Ar-40

Cross Section -99.84 To 9999. %

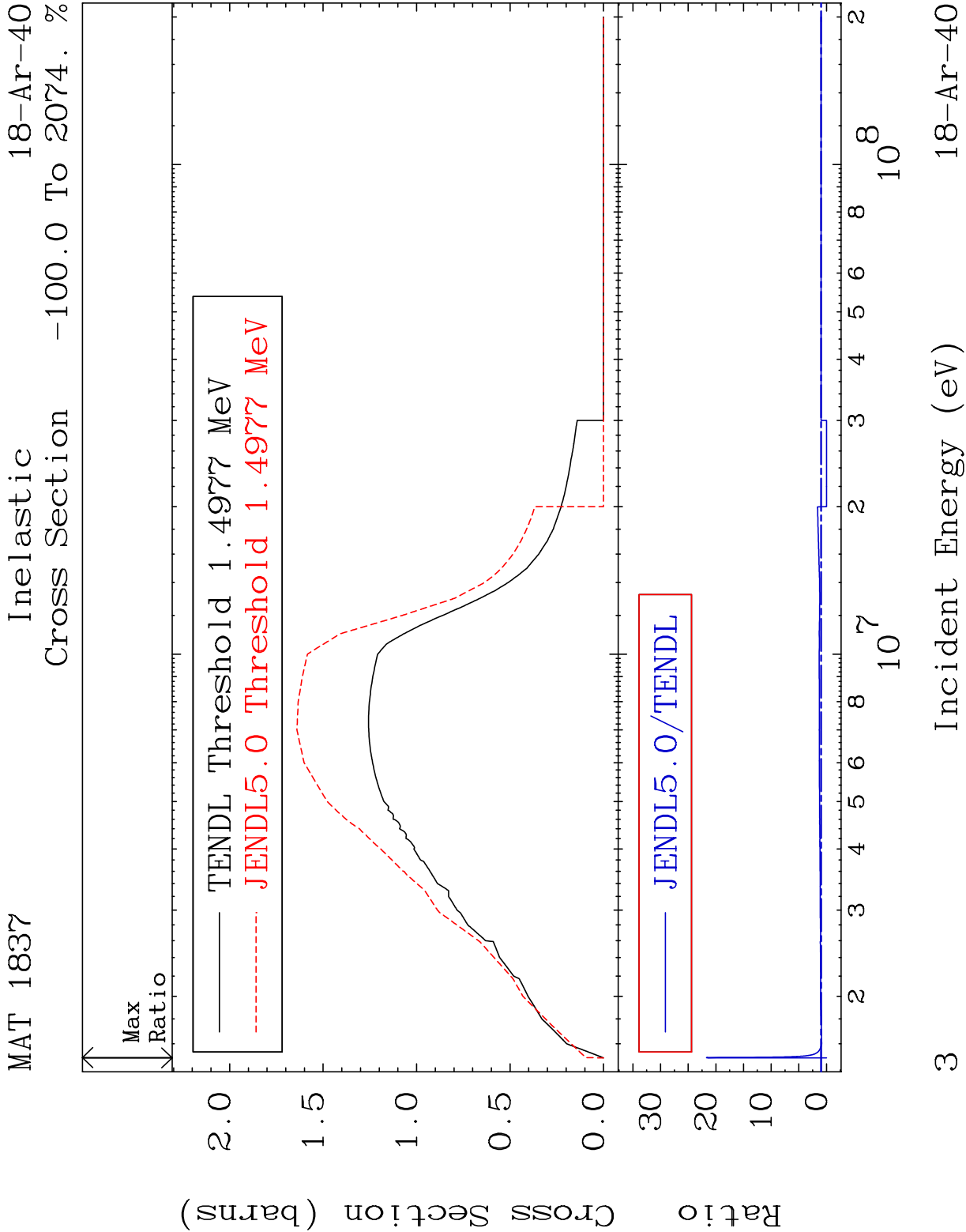


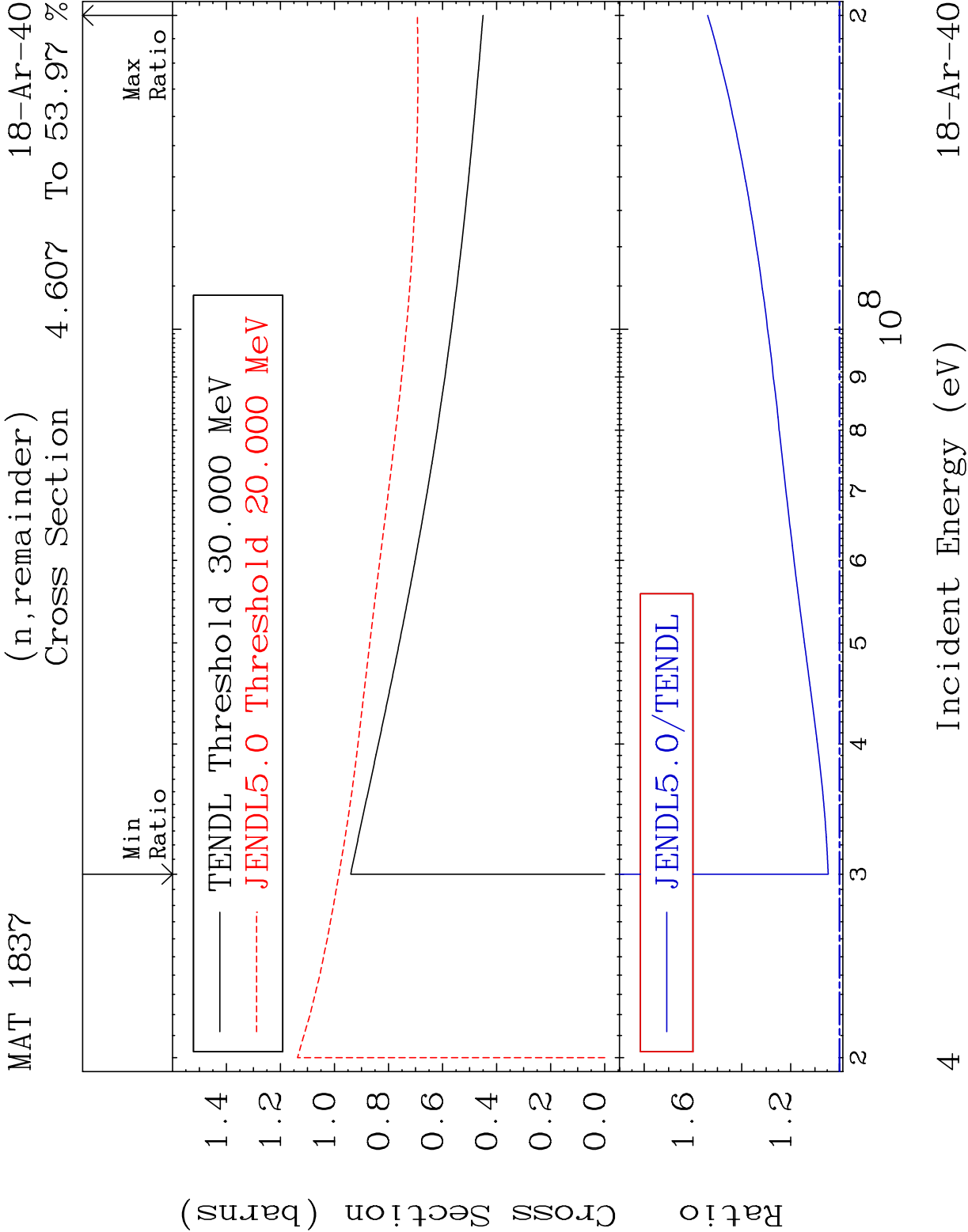
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

2

Incident Energy (eV)

18-Ar-40



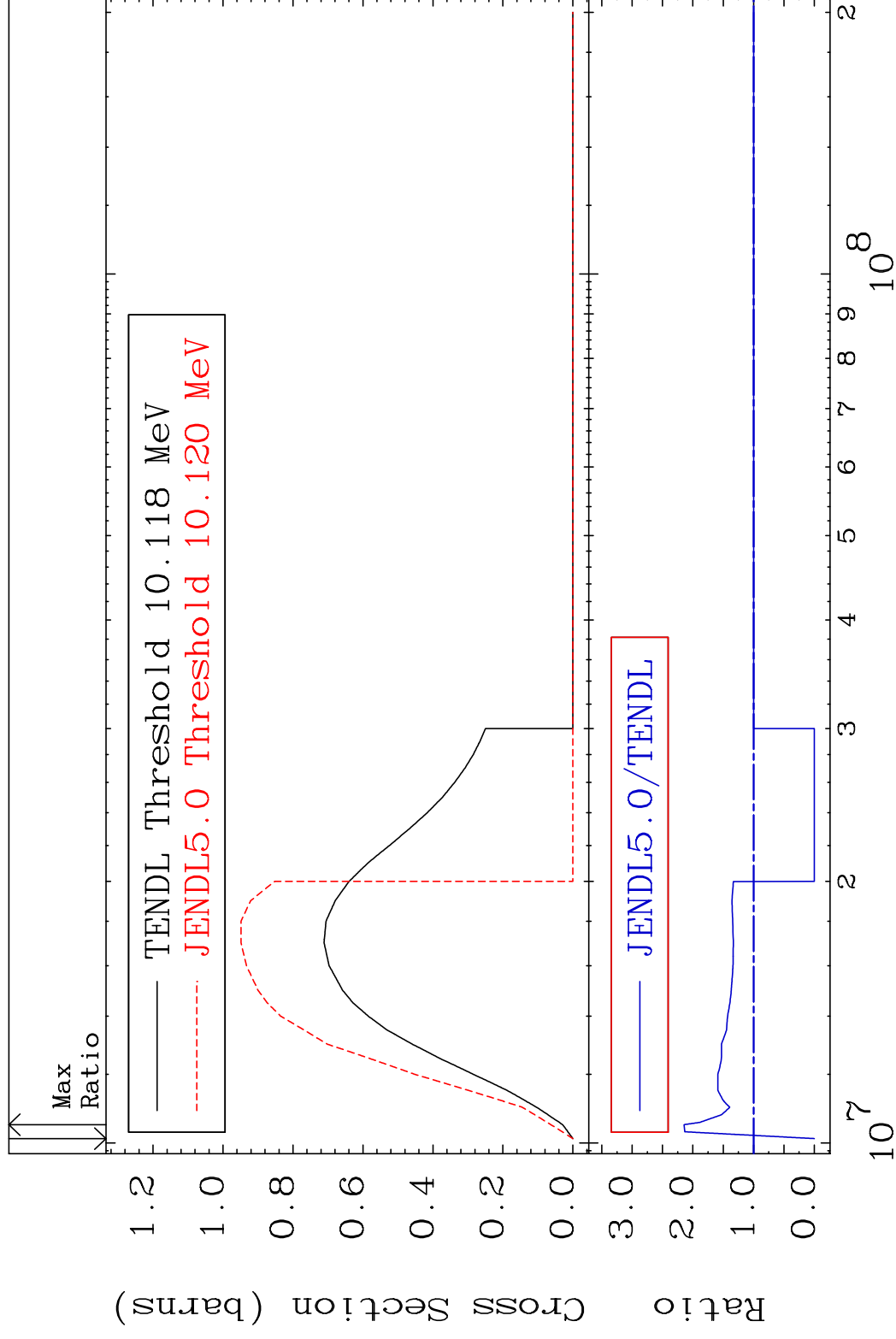


MAT 1837

$$(n, 2n)$$

18-Ar-40

Cross Section



TENDL Threshold 10.118 MeV

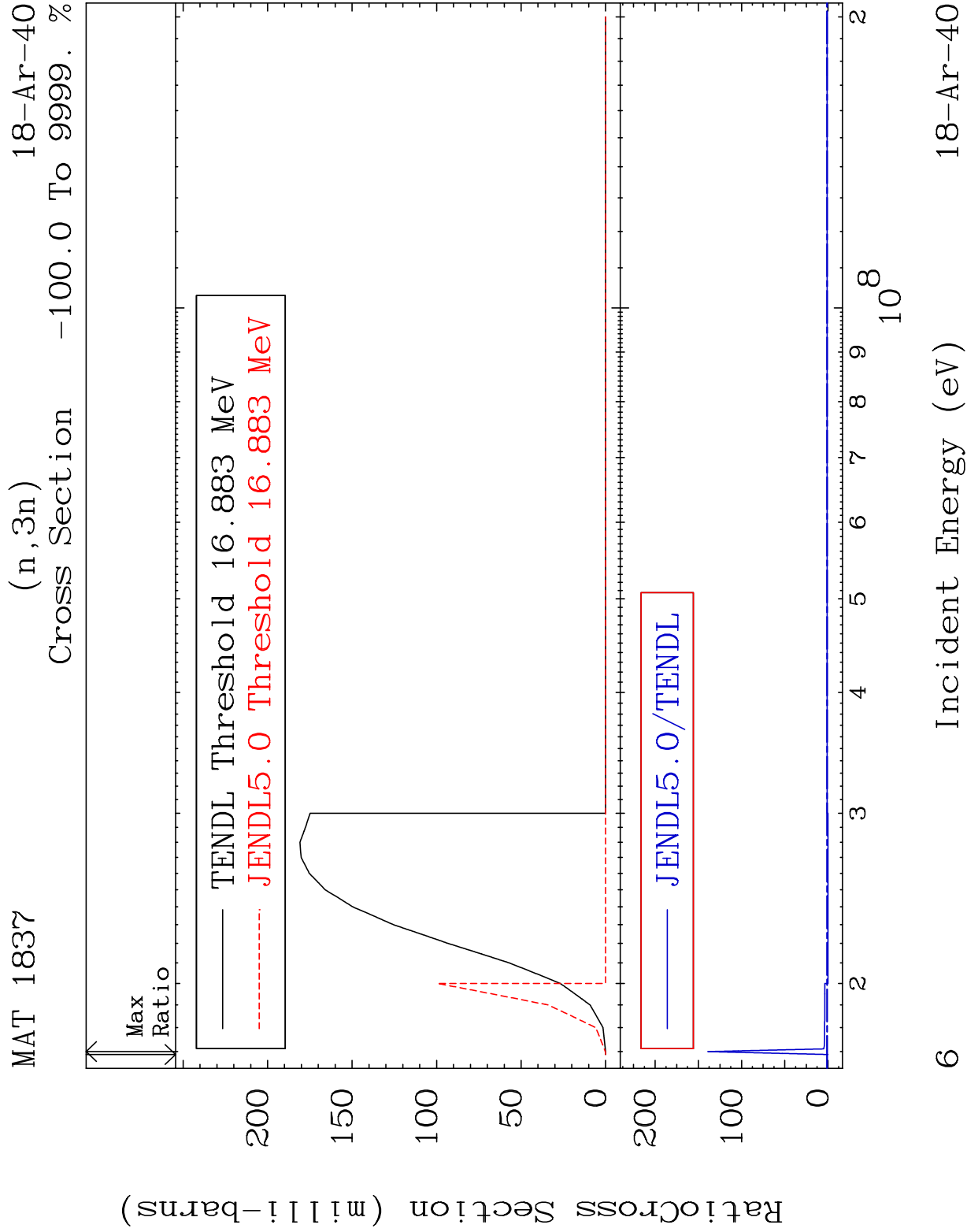
JENDL5.0 Threshold 10.120 MeV

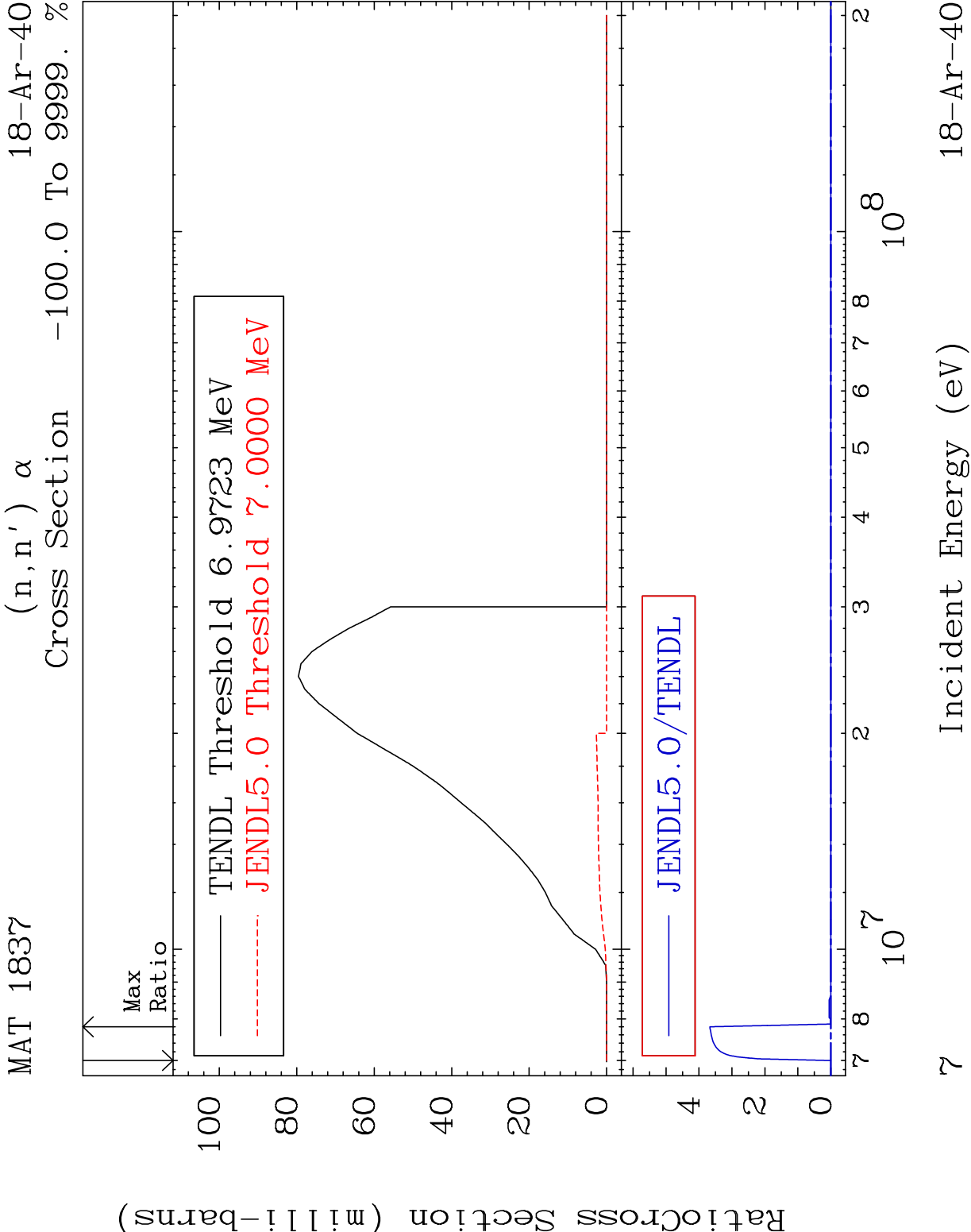
JENDL5.0/TENDL

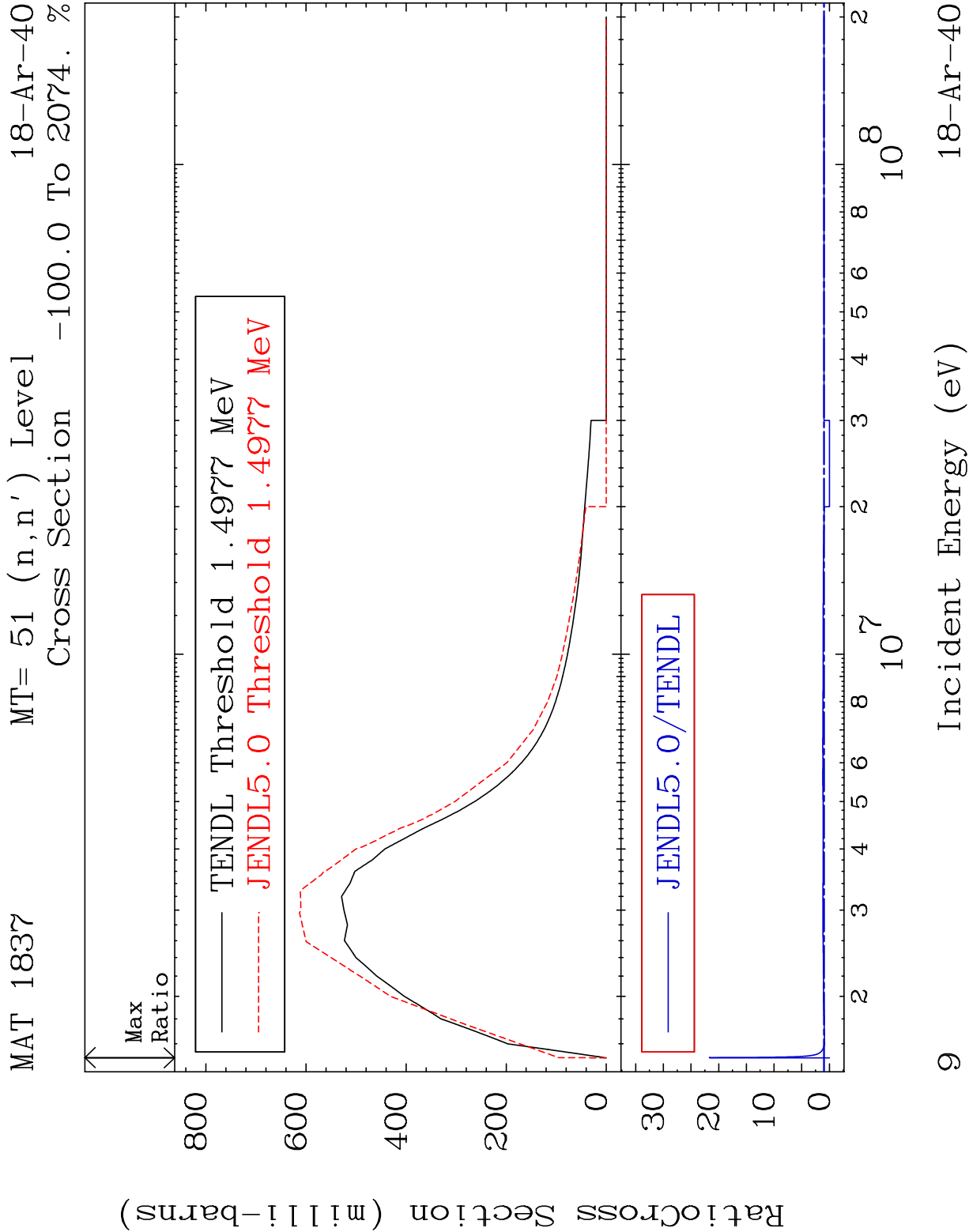
5

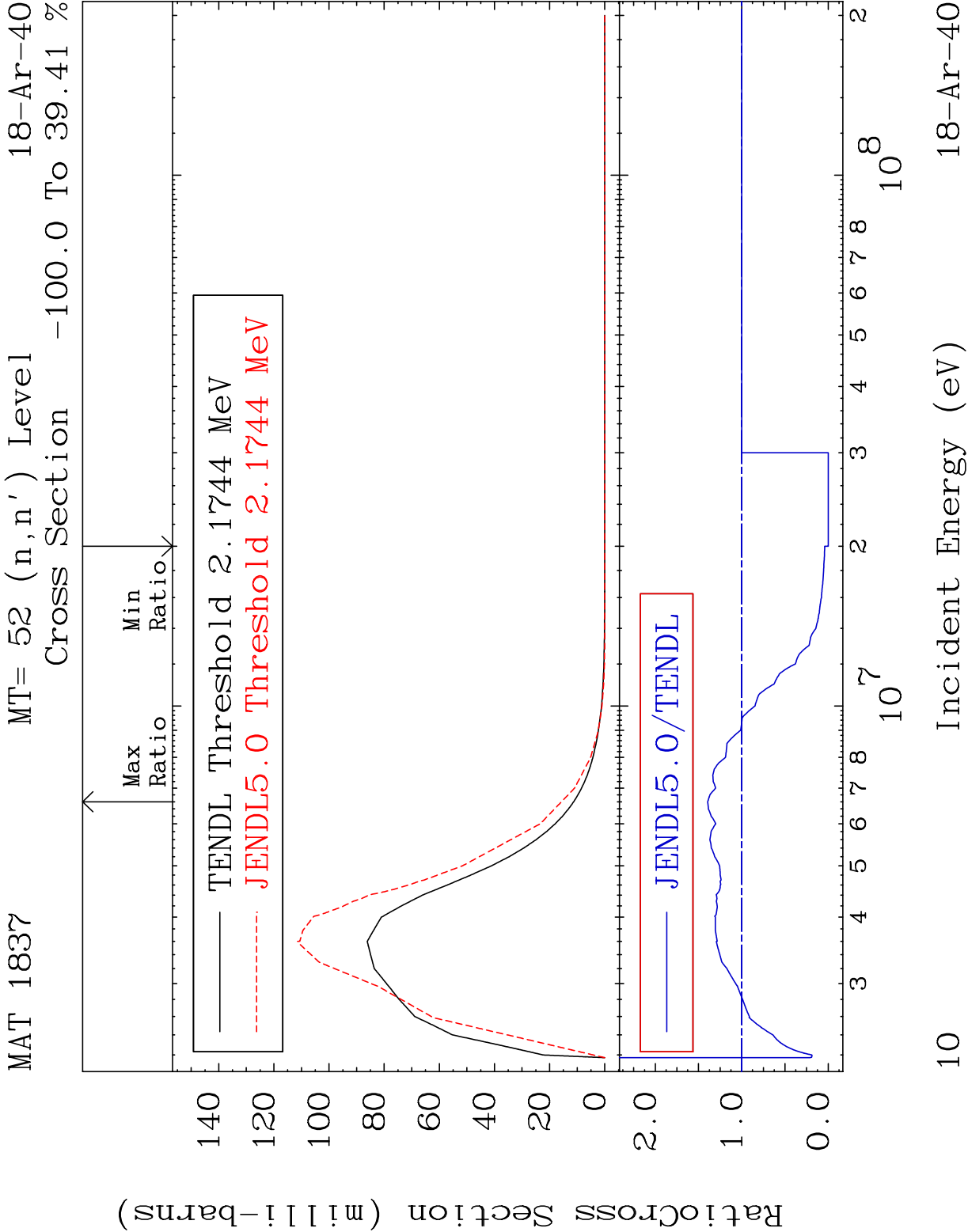
Incident Energy (eV)

18-Ar-40

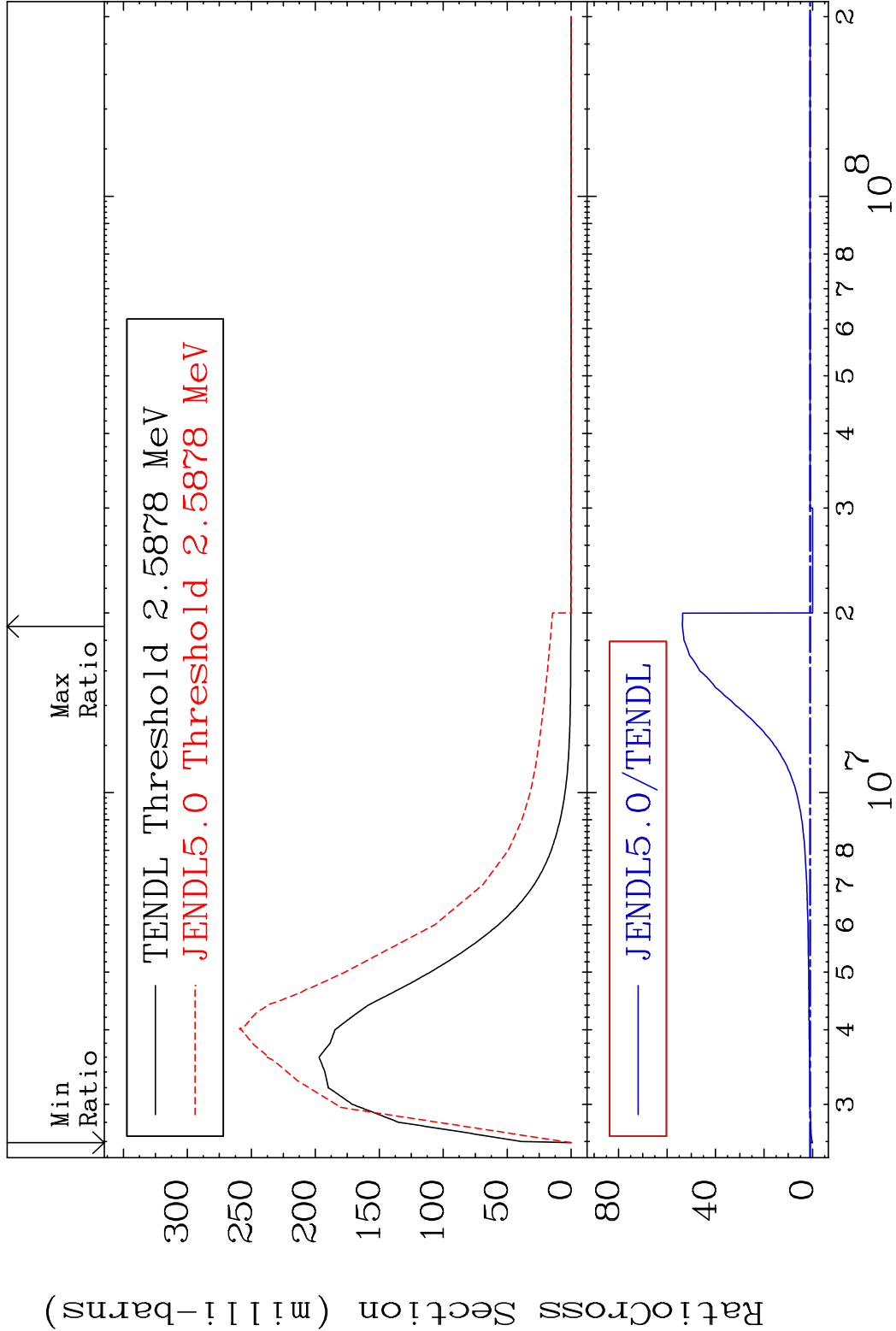




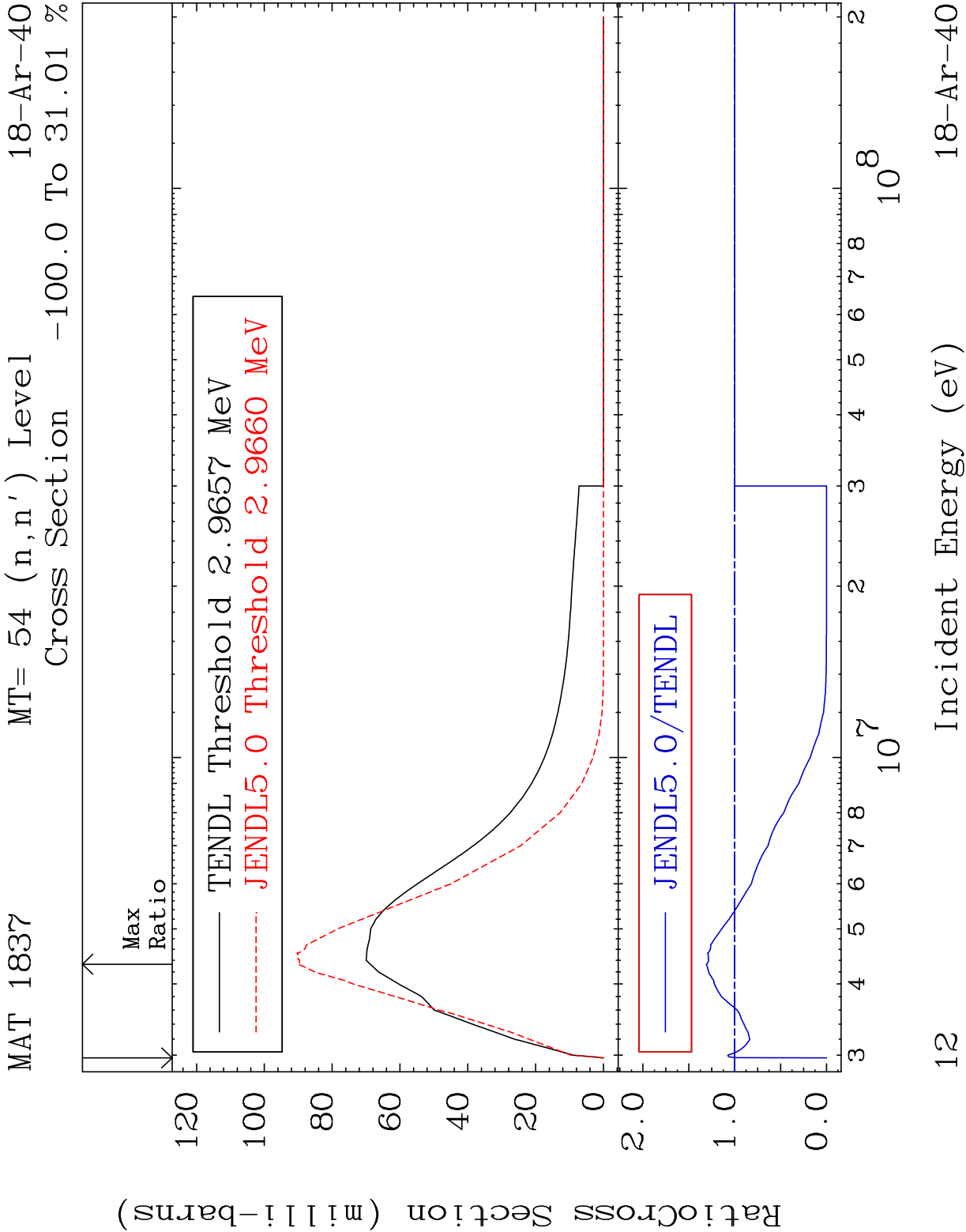


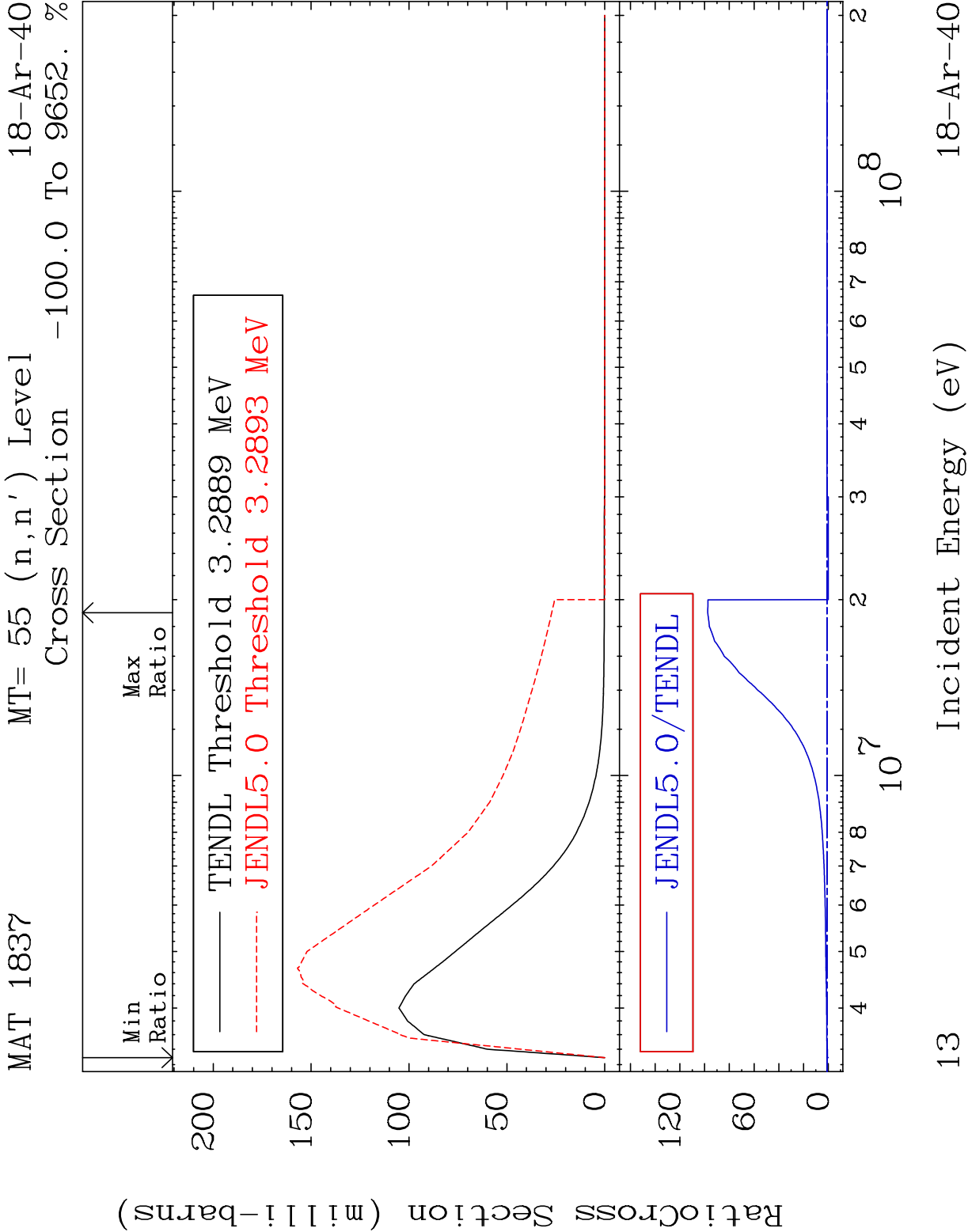


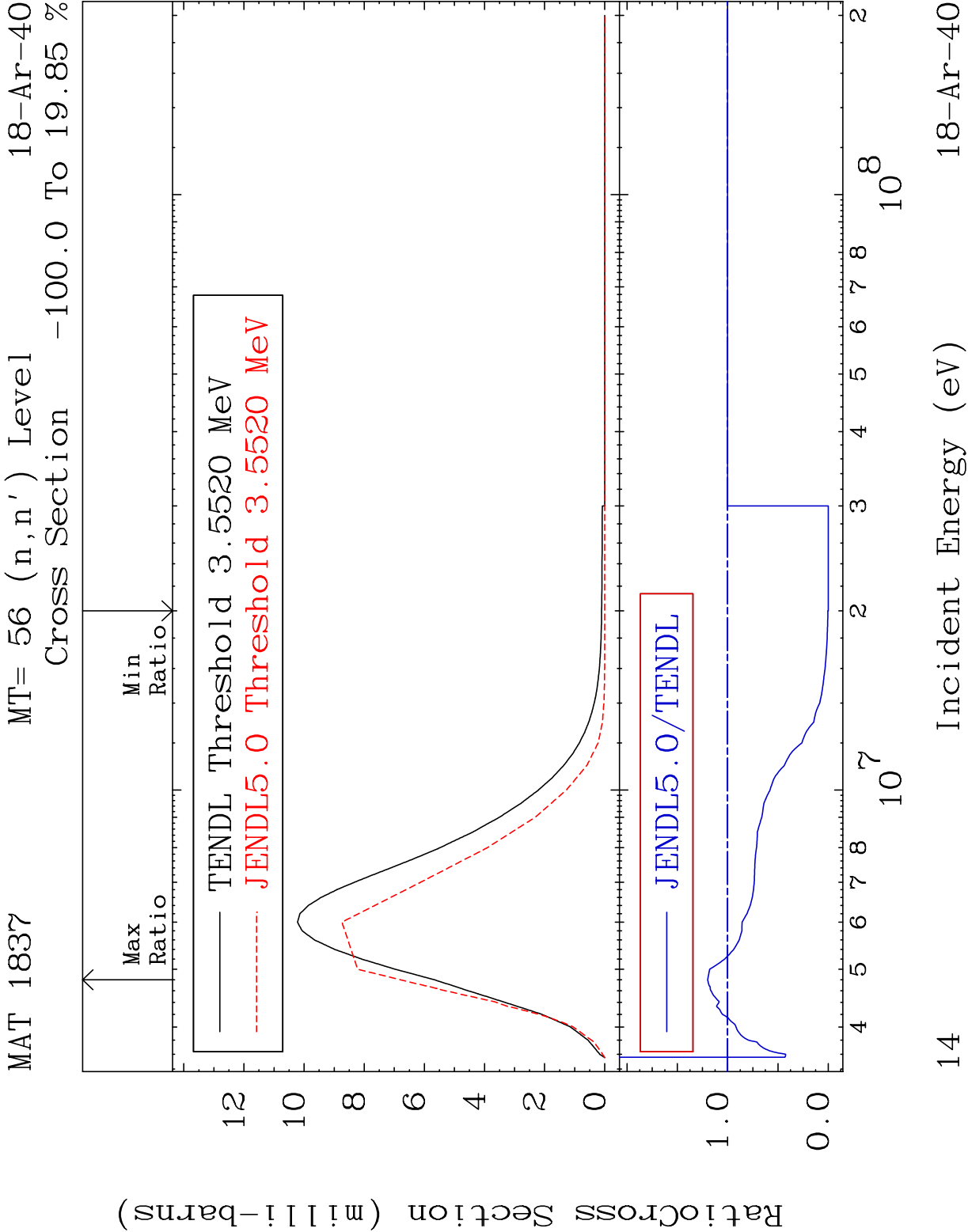
MAT 1837 MT= 53 (n,n') Level 18-Ar-40
Cross Section -100.0 To 5268. %

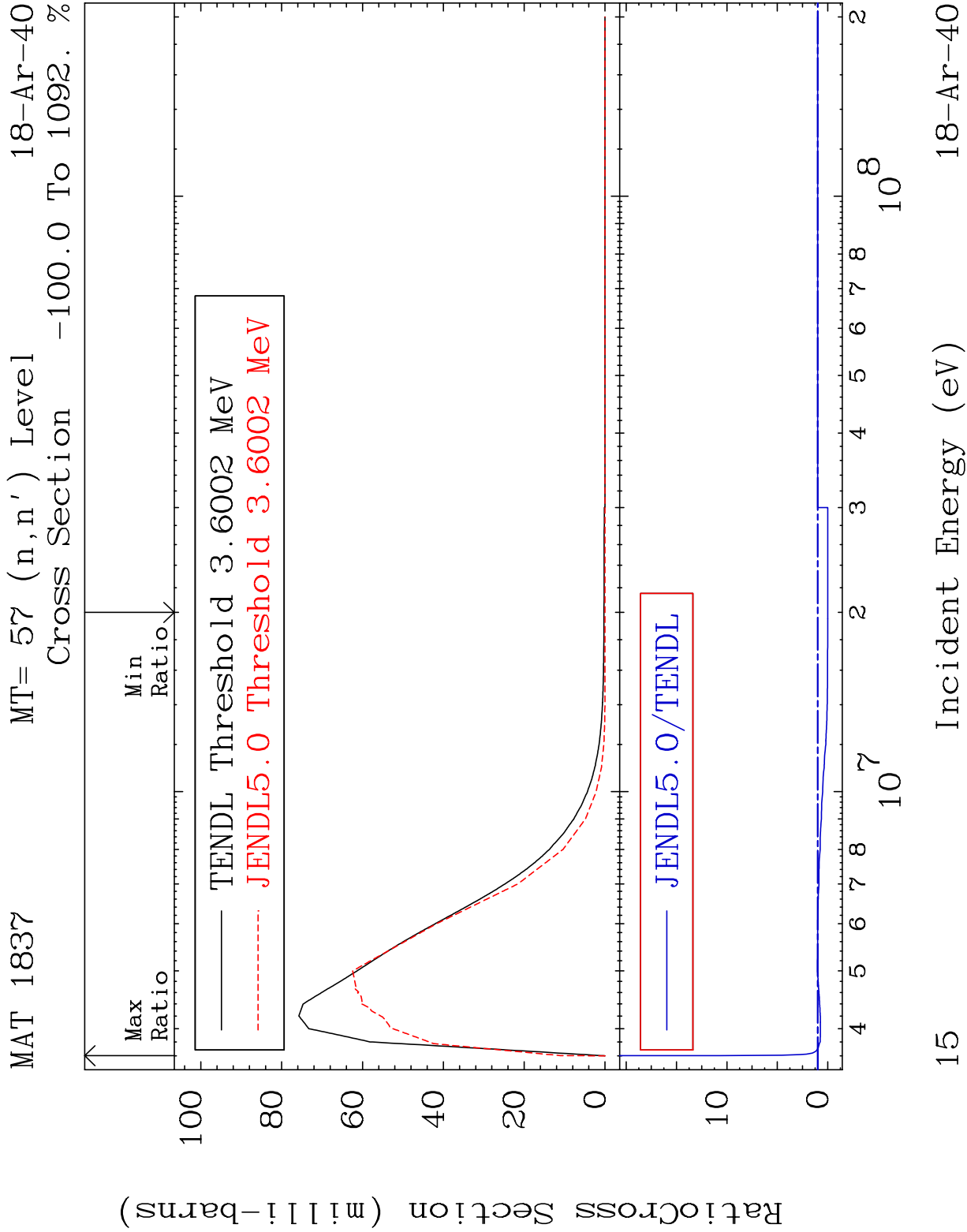


11 Incident Energy (eV) 18-Ar-40

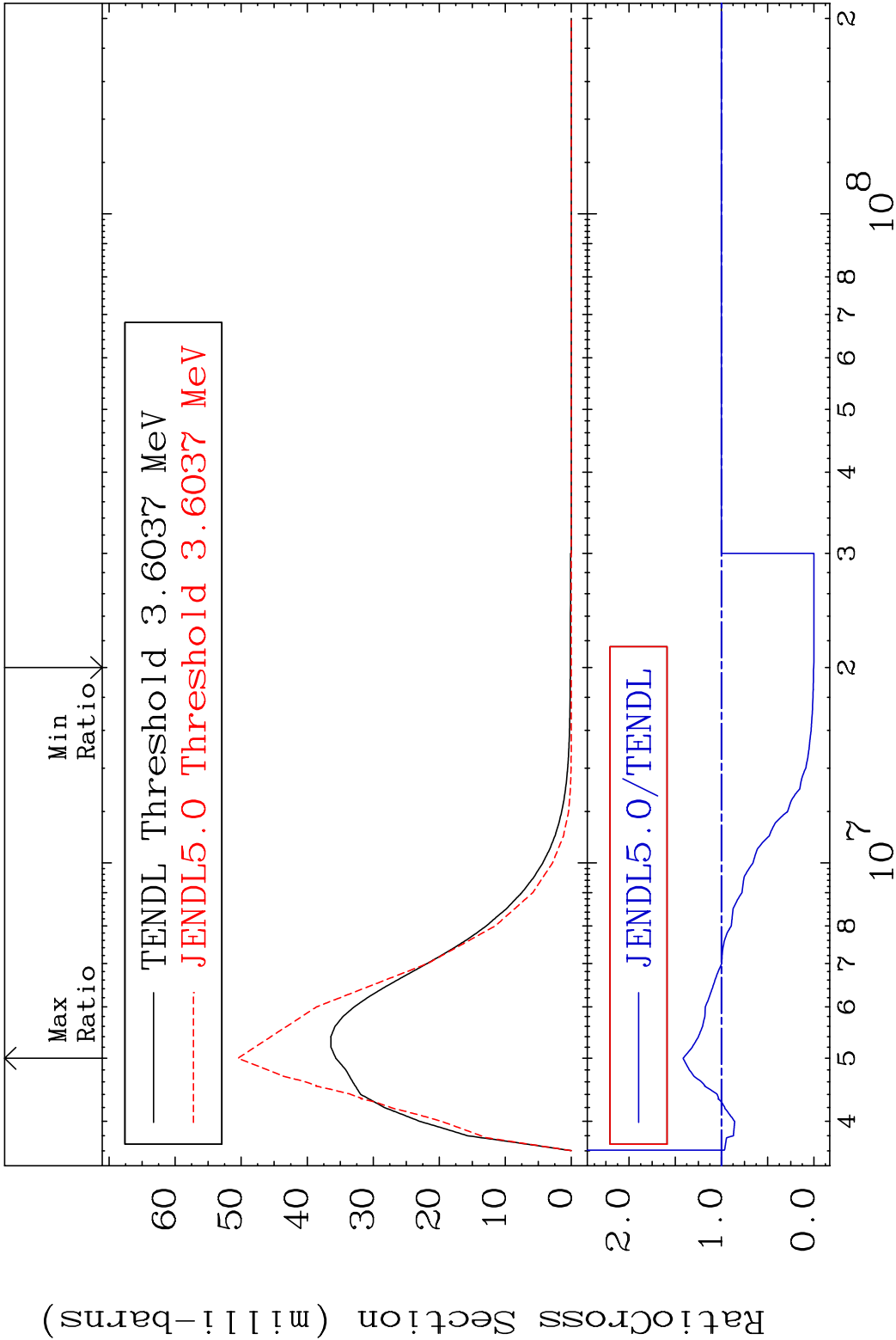




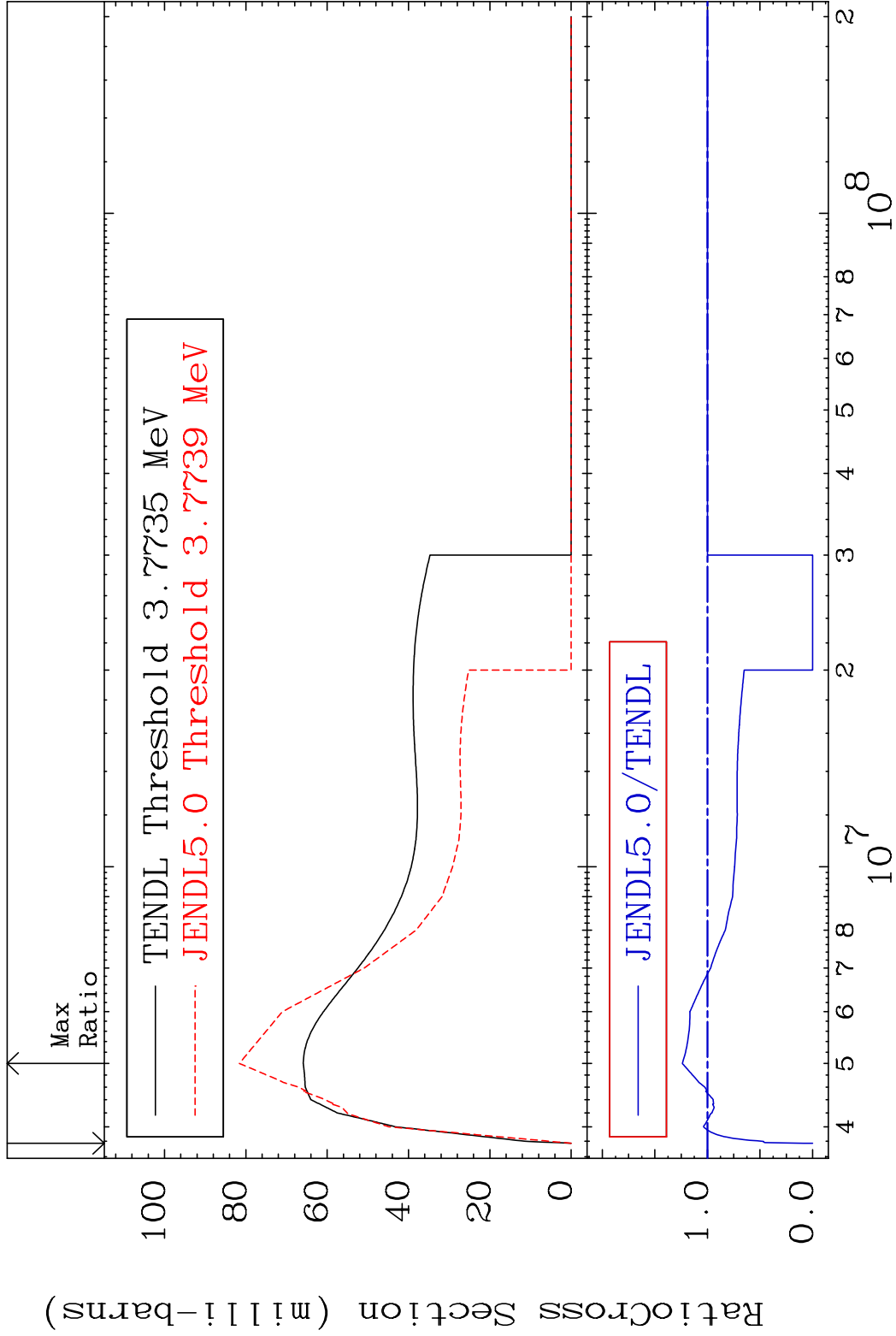




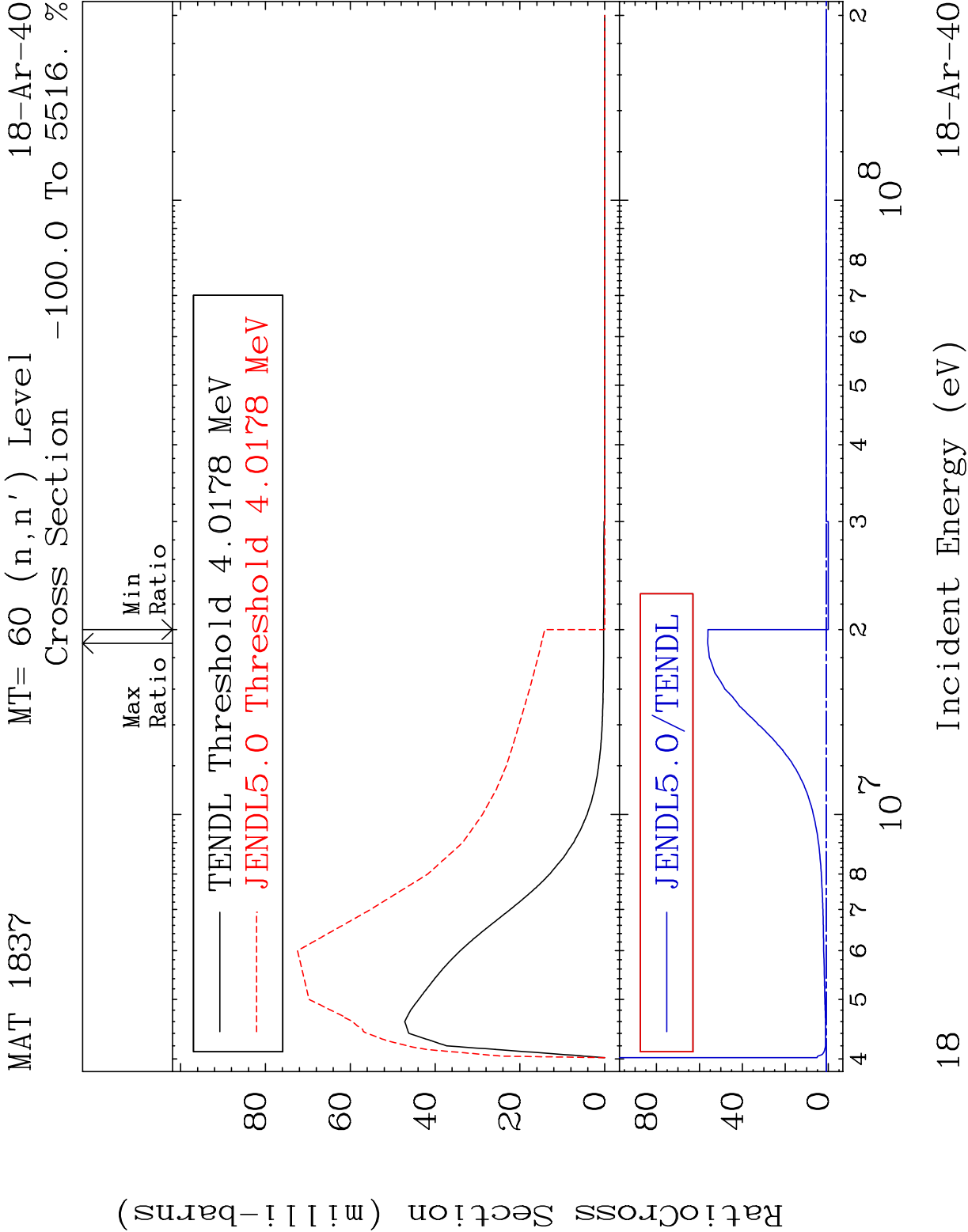
MAT 1837 MT= 58 (n,n') Level 18-Ar-40
Cross Section -100.0 To 41.56 %



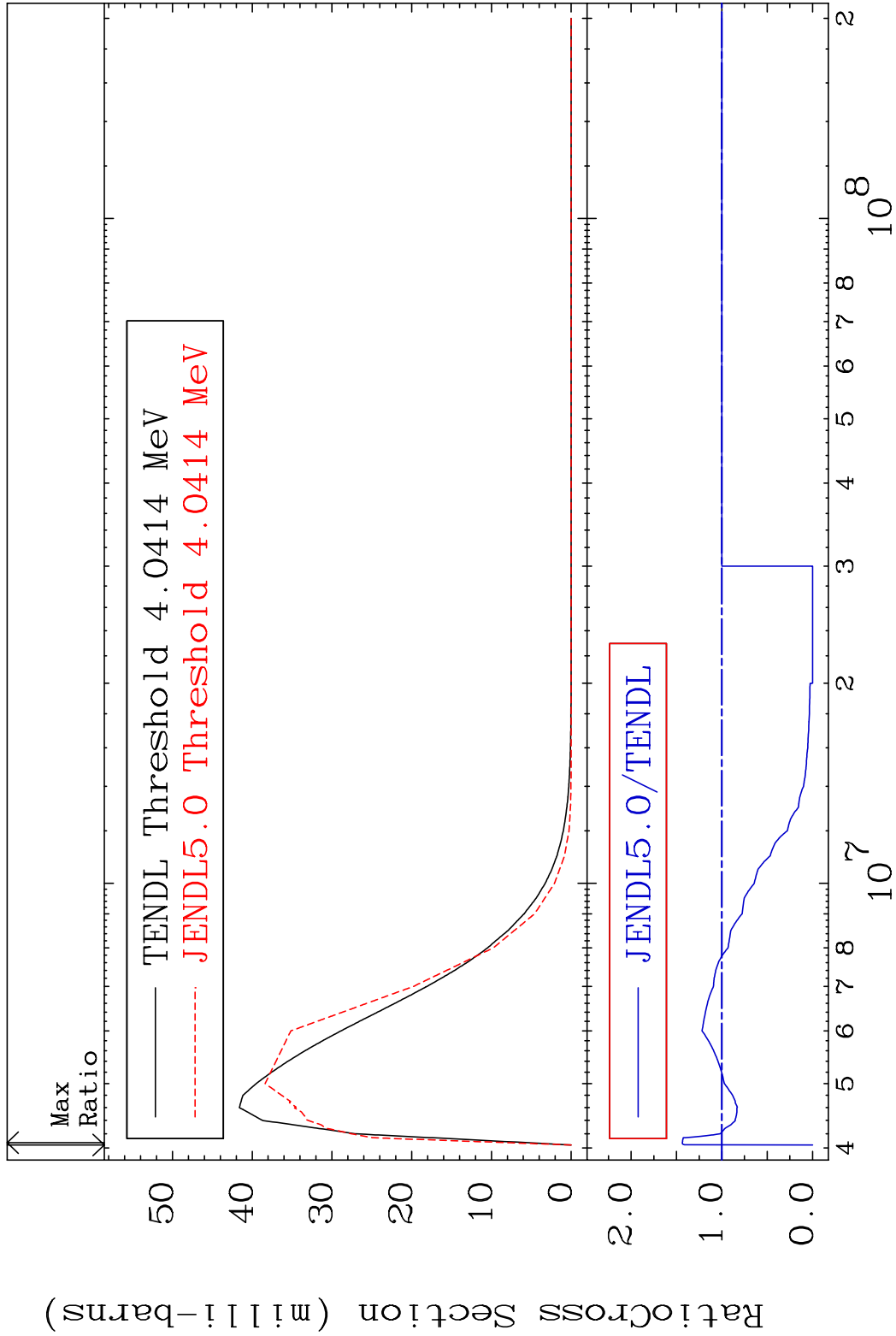
MAT 1837 MT= 59 (n,n') Level 18-Ar-40
Cross Section -100.0 To 23.86 %

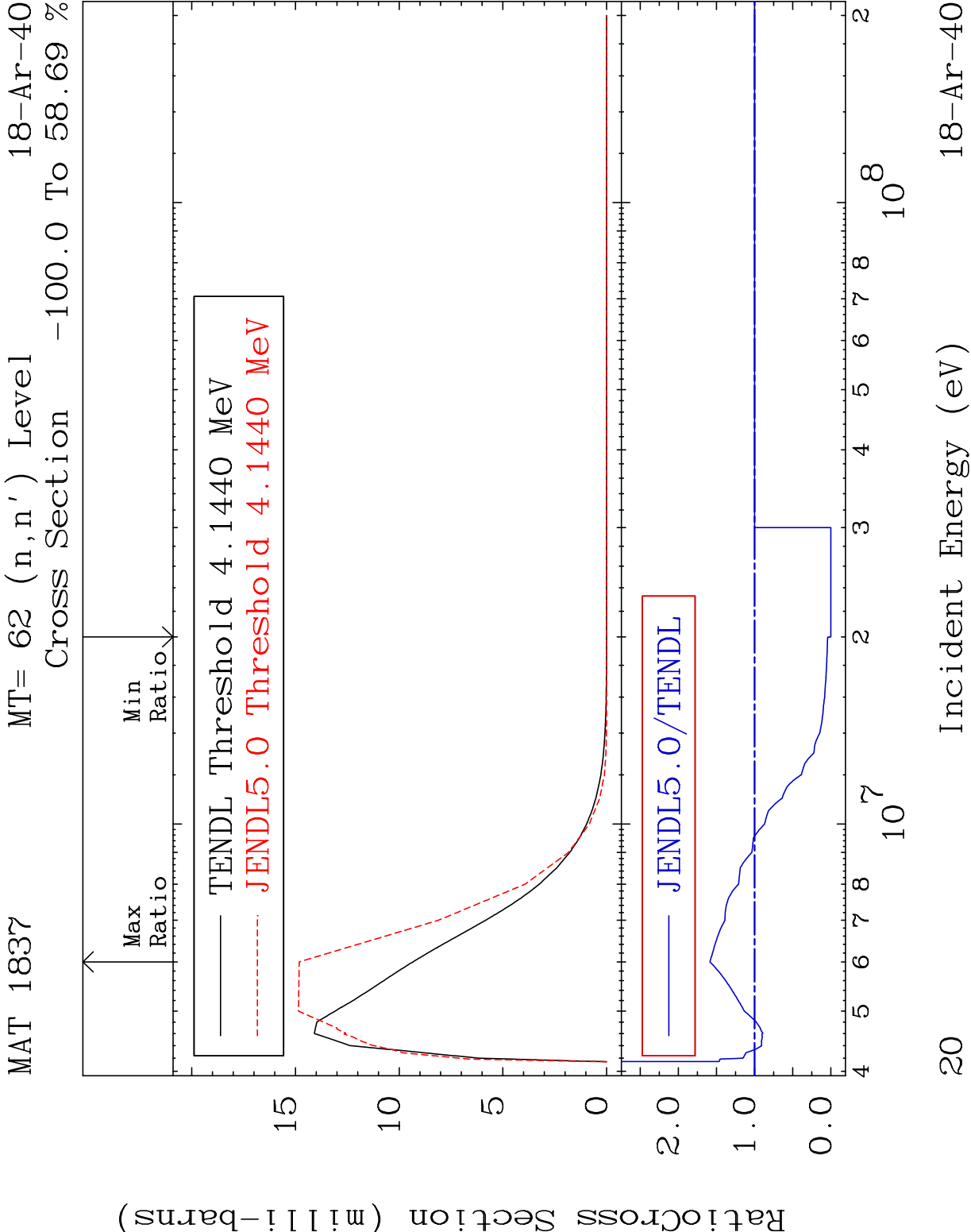


17 Incident Energy (eV) 18-Ar-40

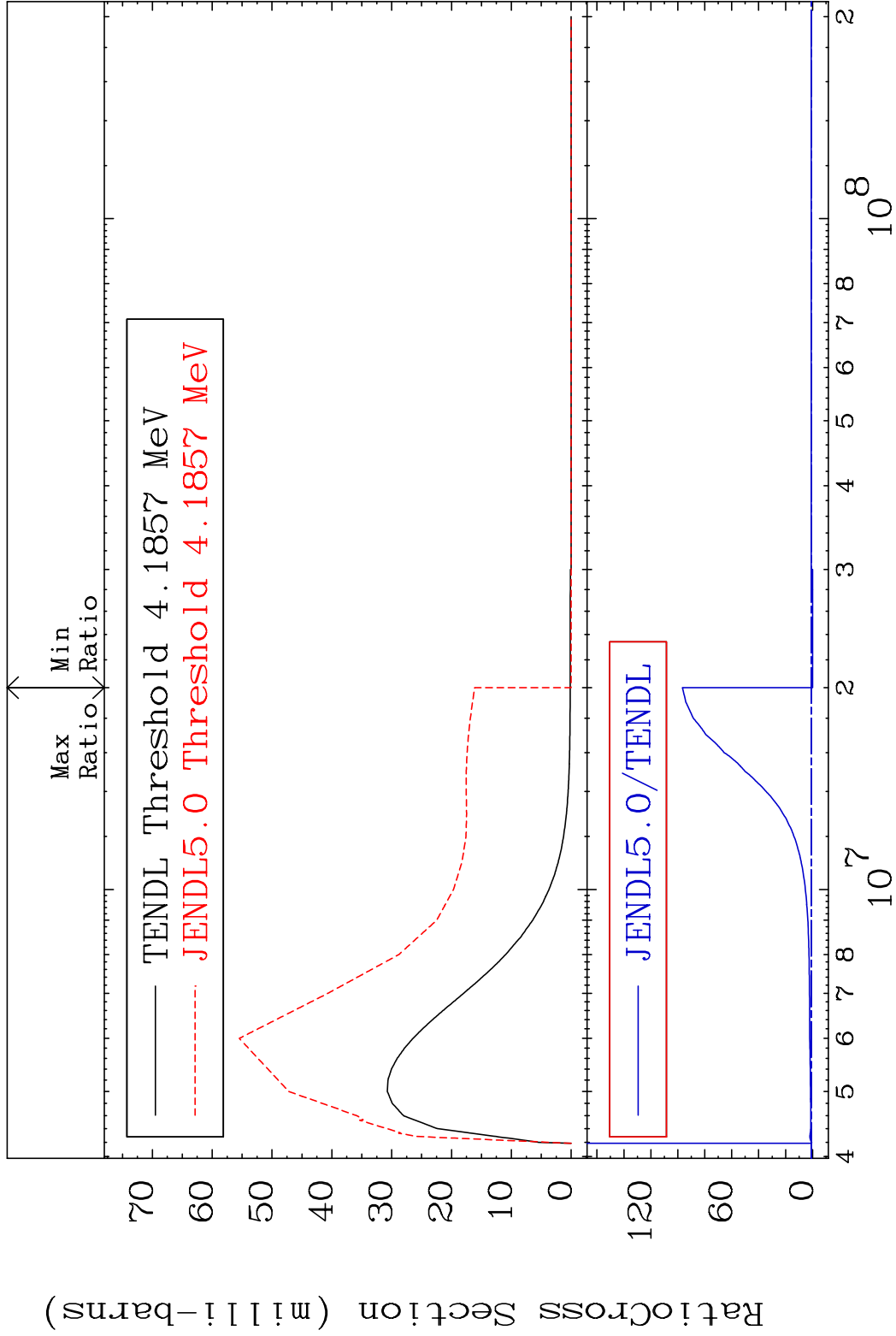


MAT 1837 MT= 61 (n,n') Level 18-Ar-40
Cross Section -100.0 To 43.53 %

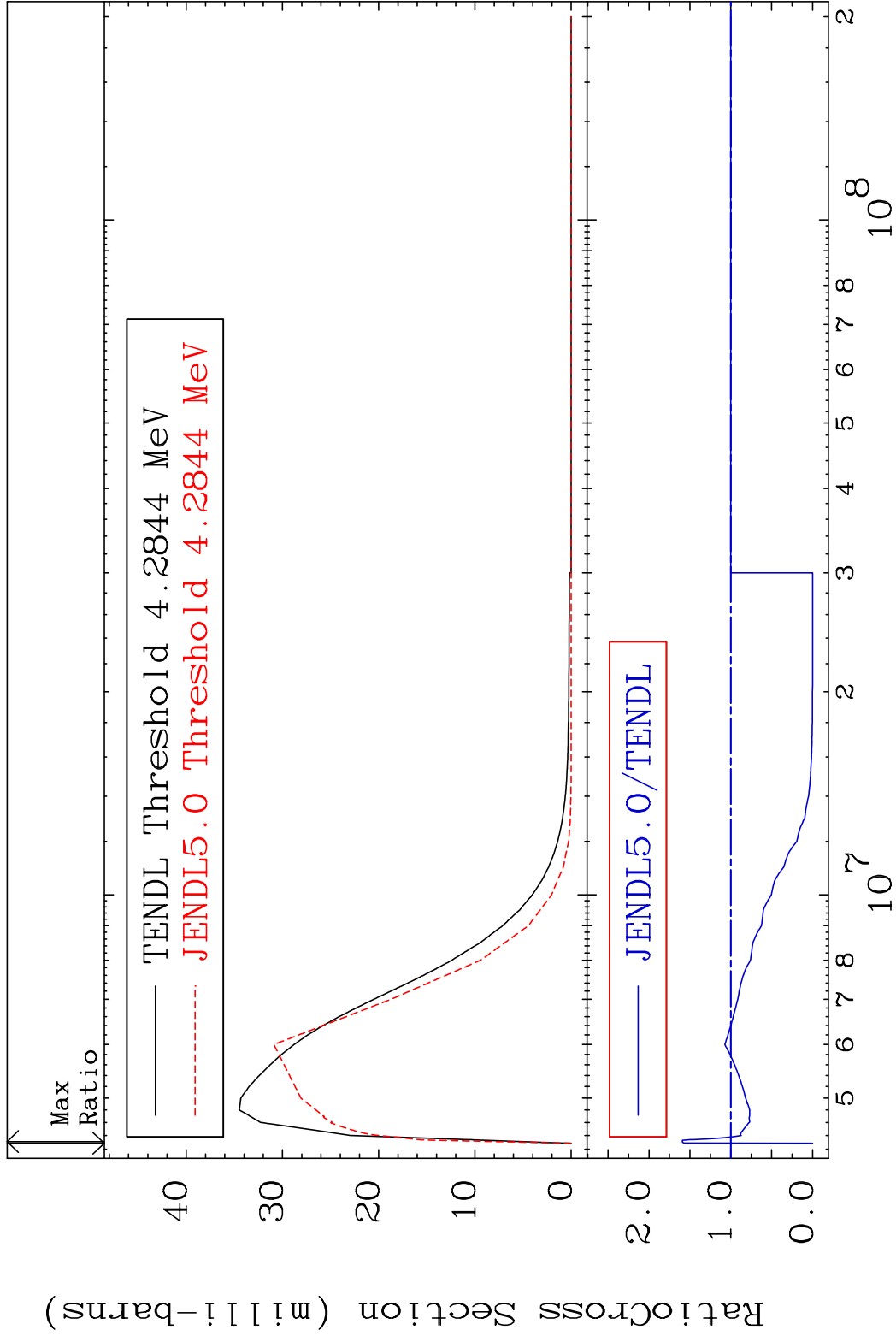


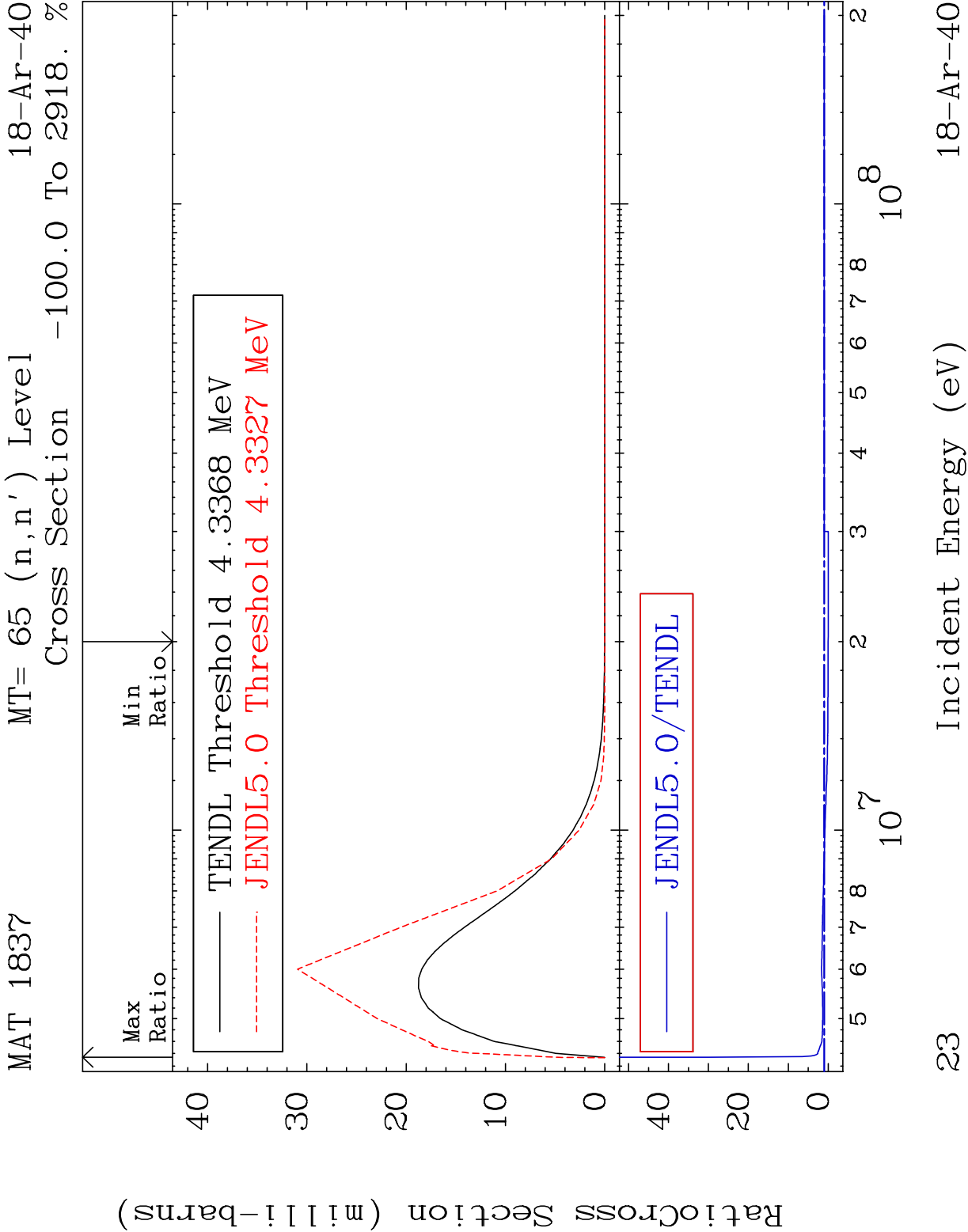


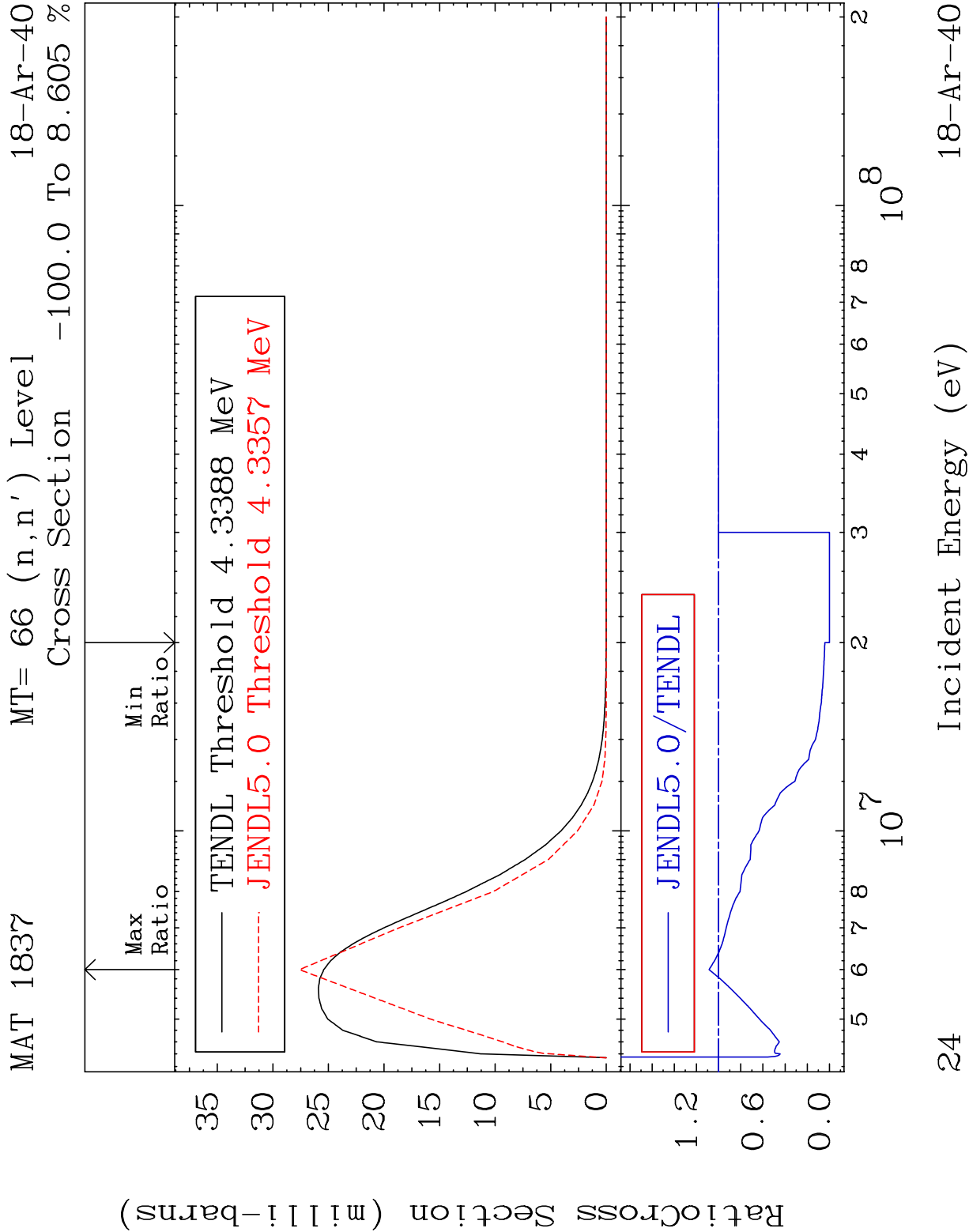
MAT 1837 MT= 63 (n,n') Level 18-Ar-40
Cross Section -100.0 To 9562. %



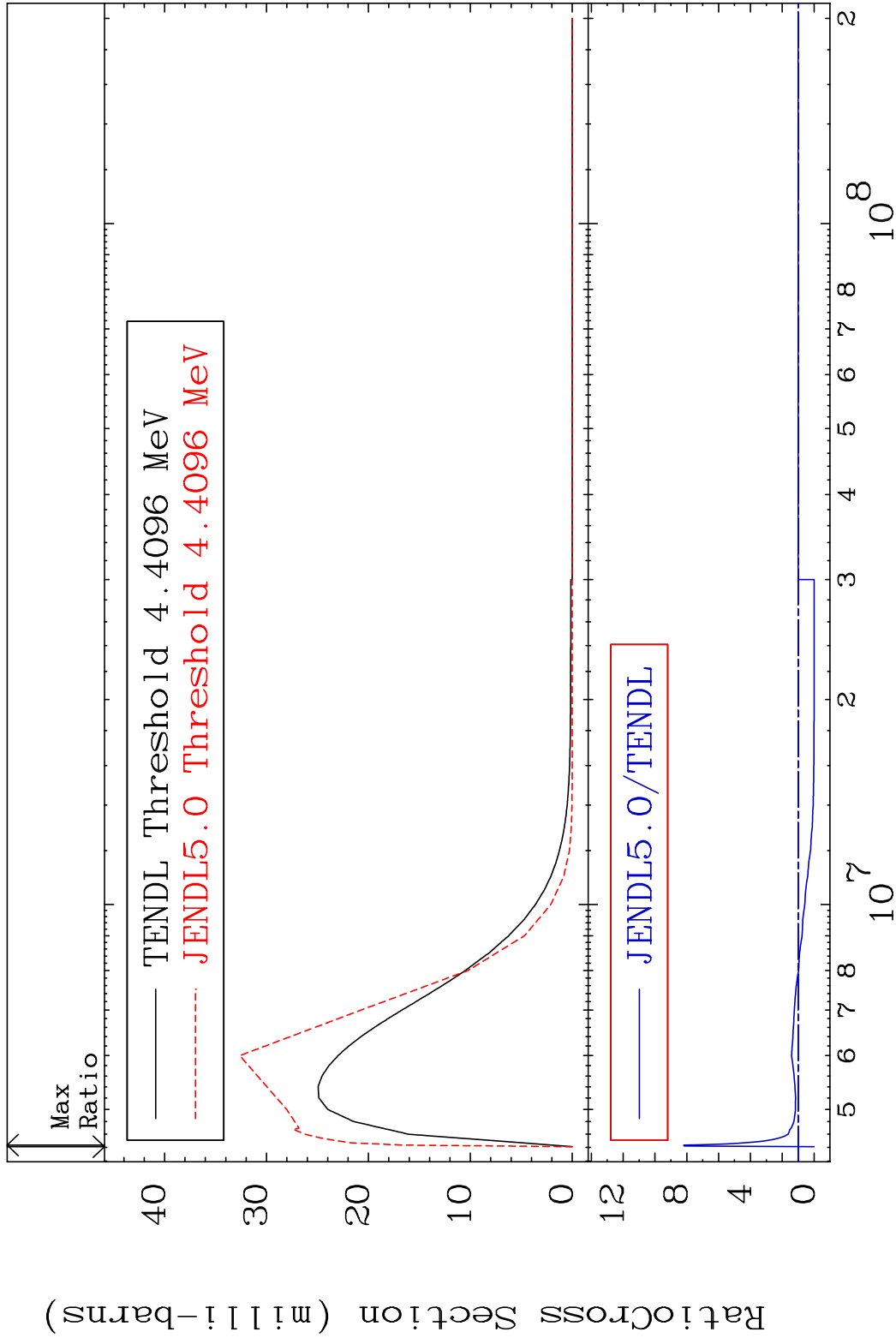
MAT 1837 MT= 64 (n,n') Level 18-Ar-40
Cross Section -100.0 To 59.21 %



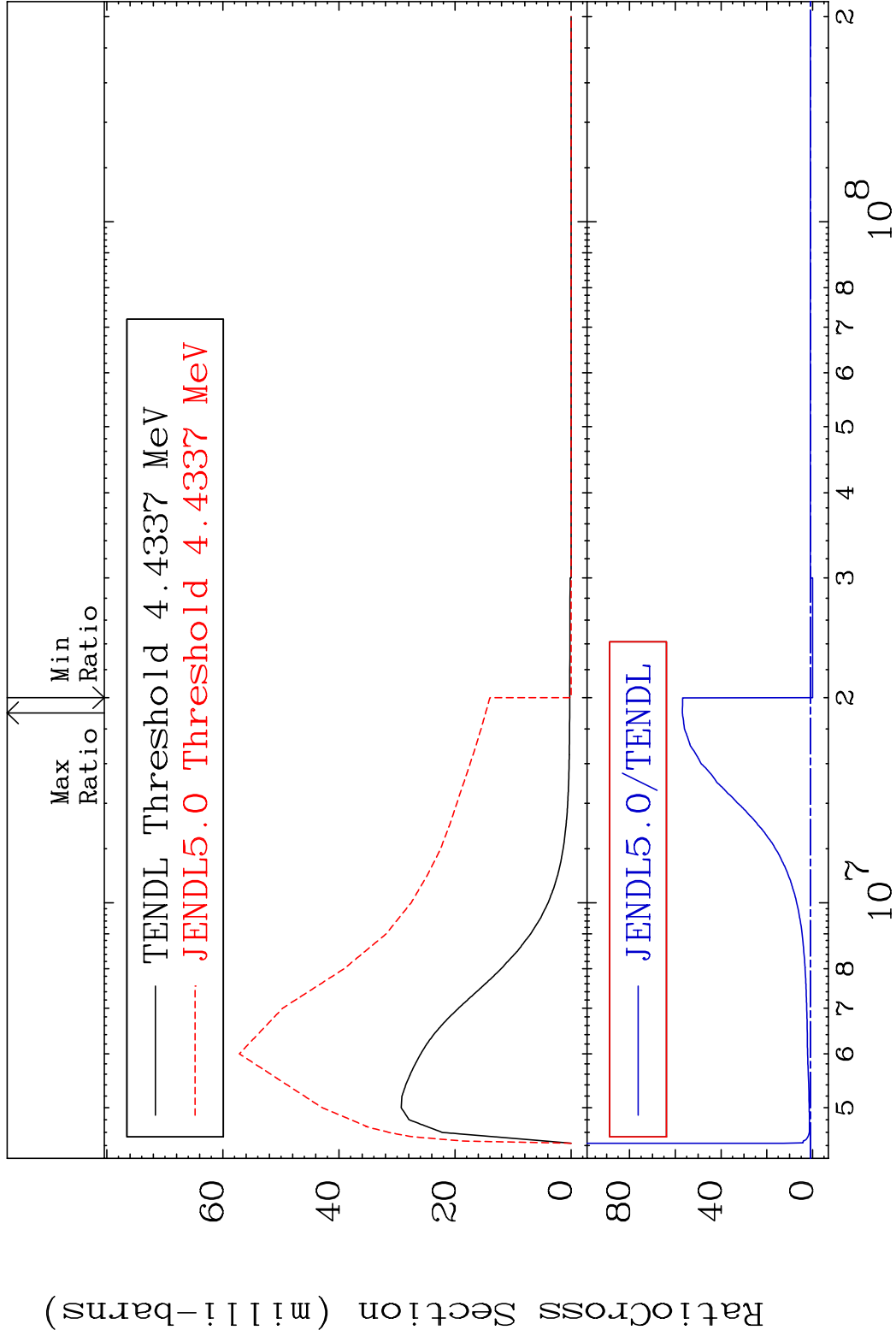


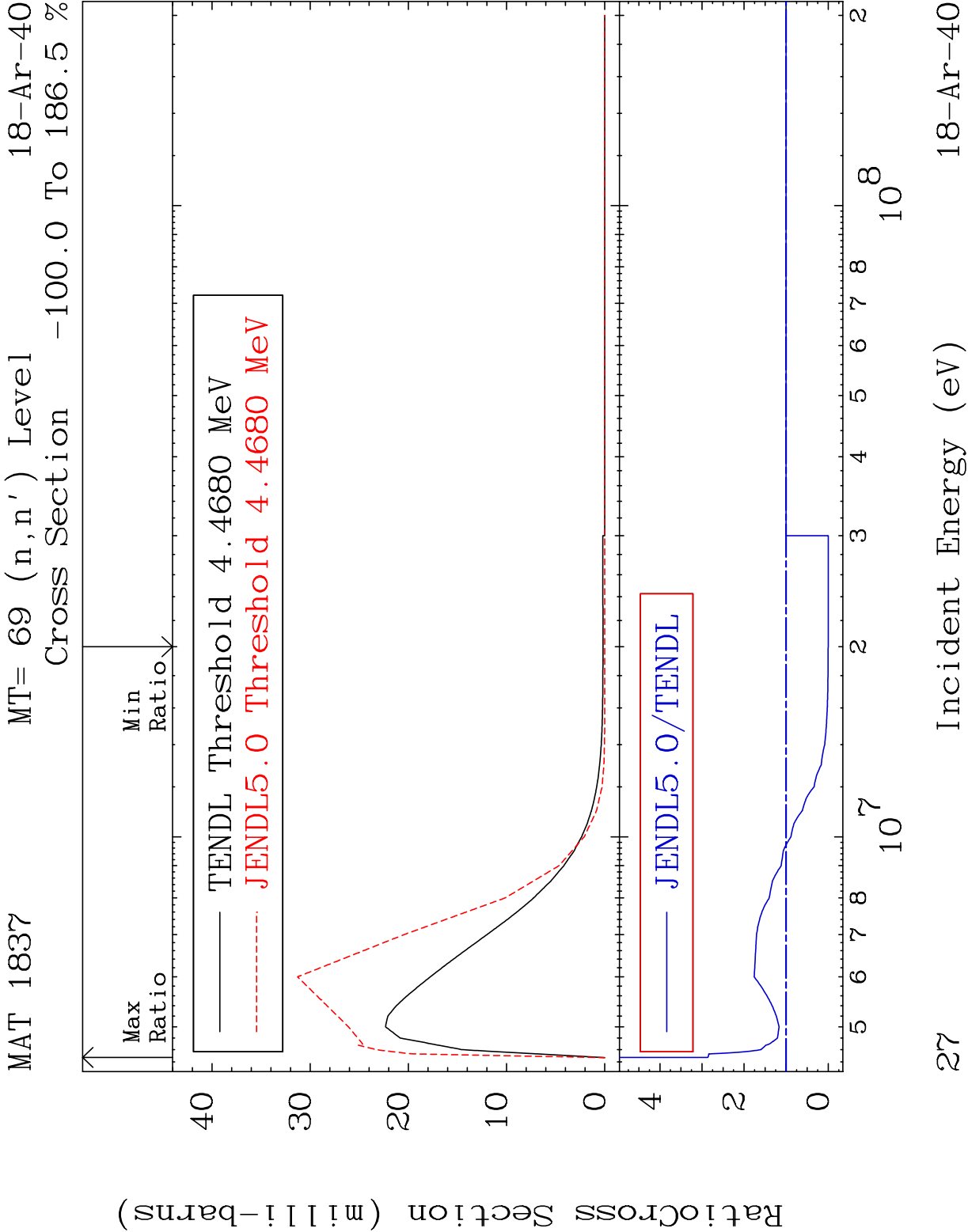


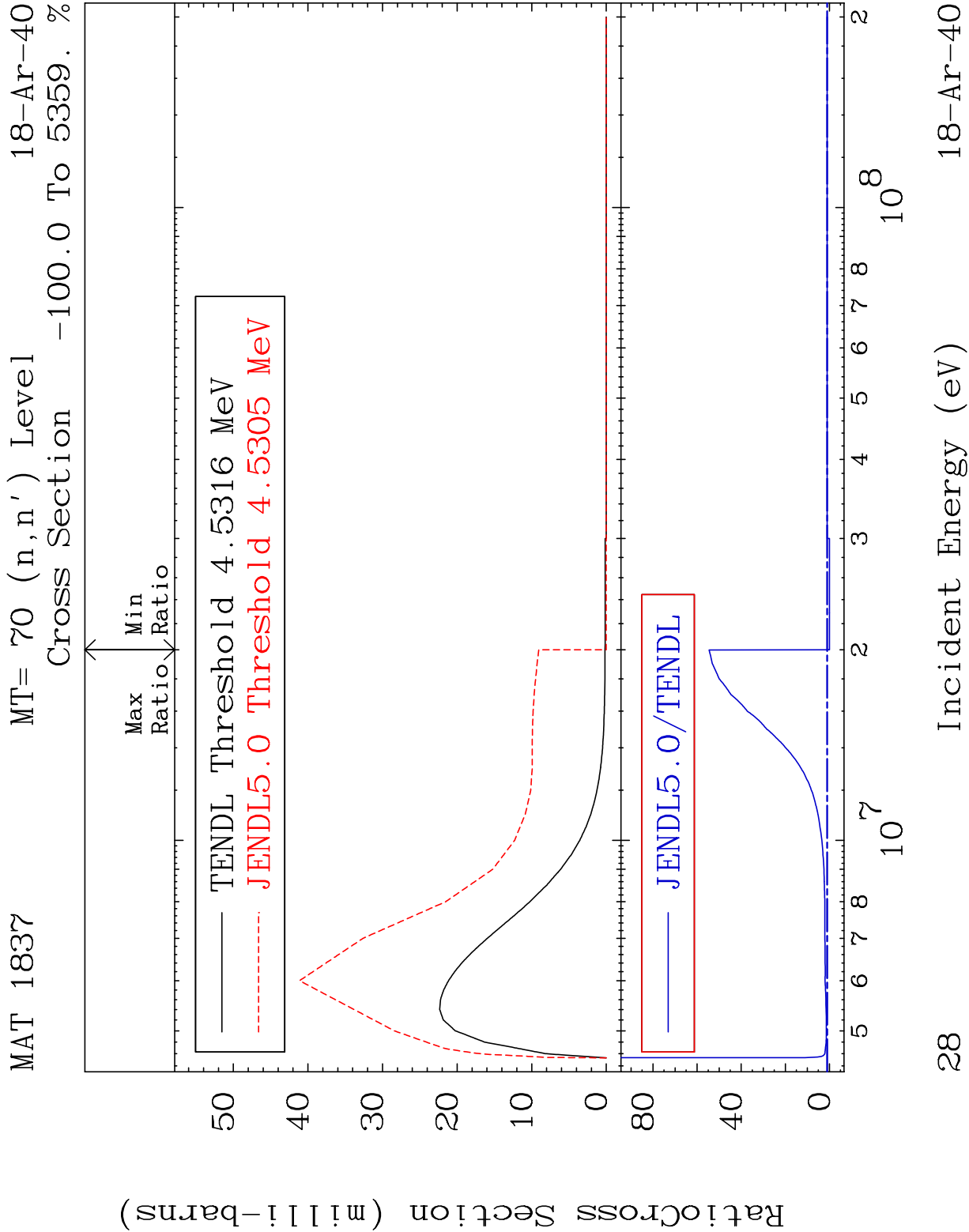
MAT 1837 MT= 67 (n,n') Level 18-Ar-40
Cross Section -100.0 To 719.6 %

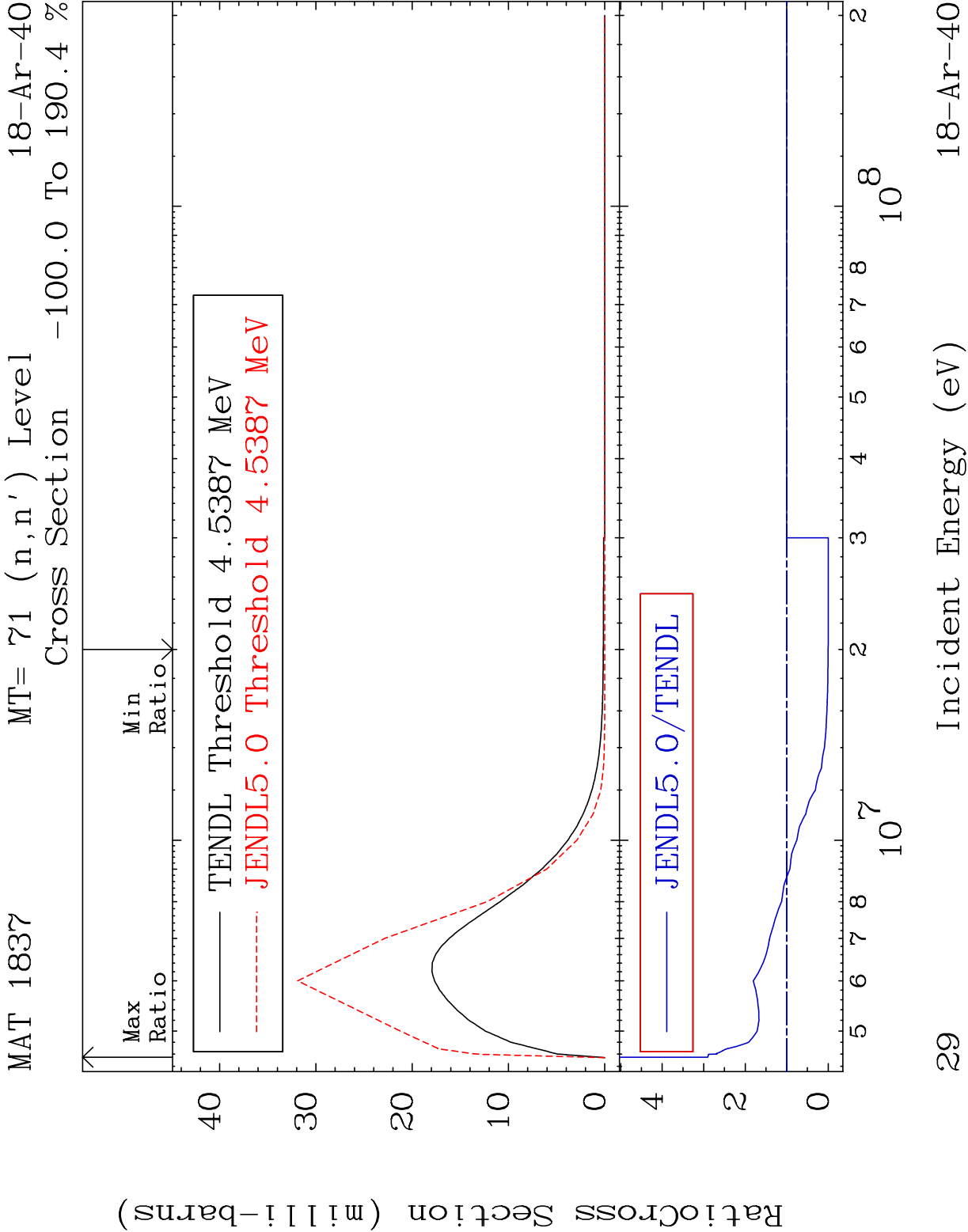


MAT 1837 MT= 68 (n,n') Level 18-Ar-40
Cross Section -100.0 To 5593. %

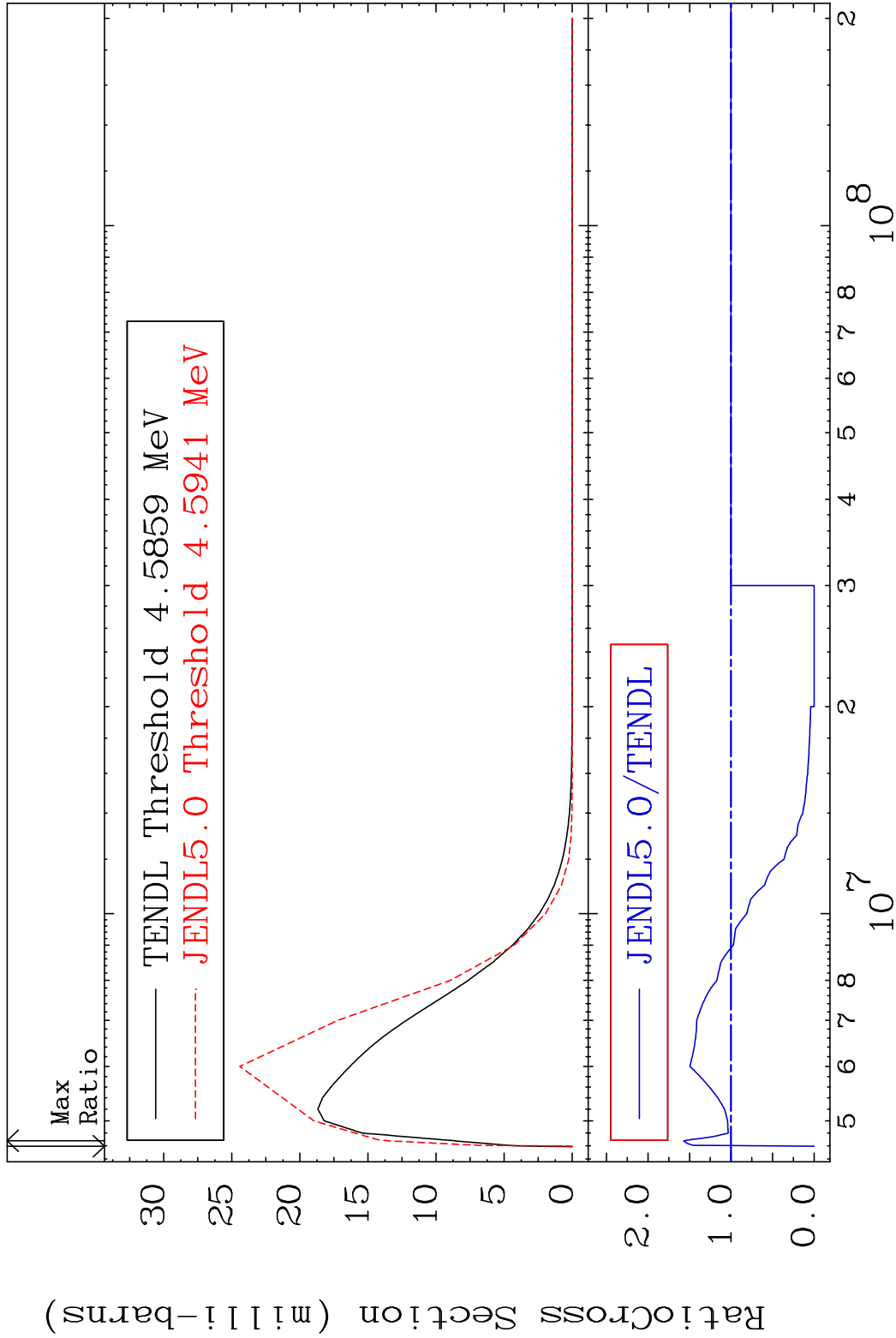




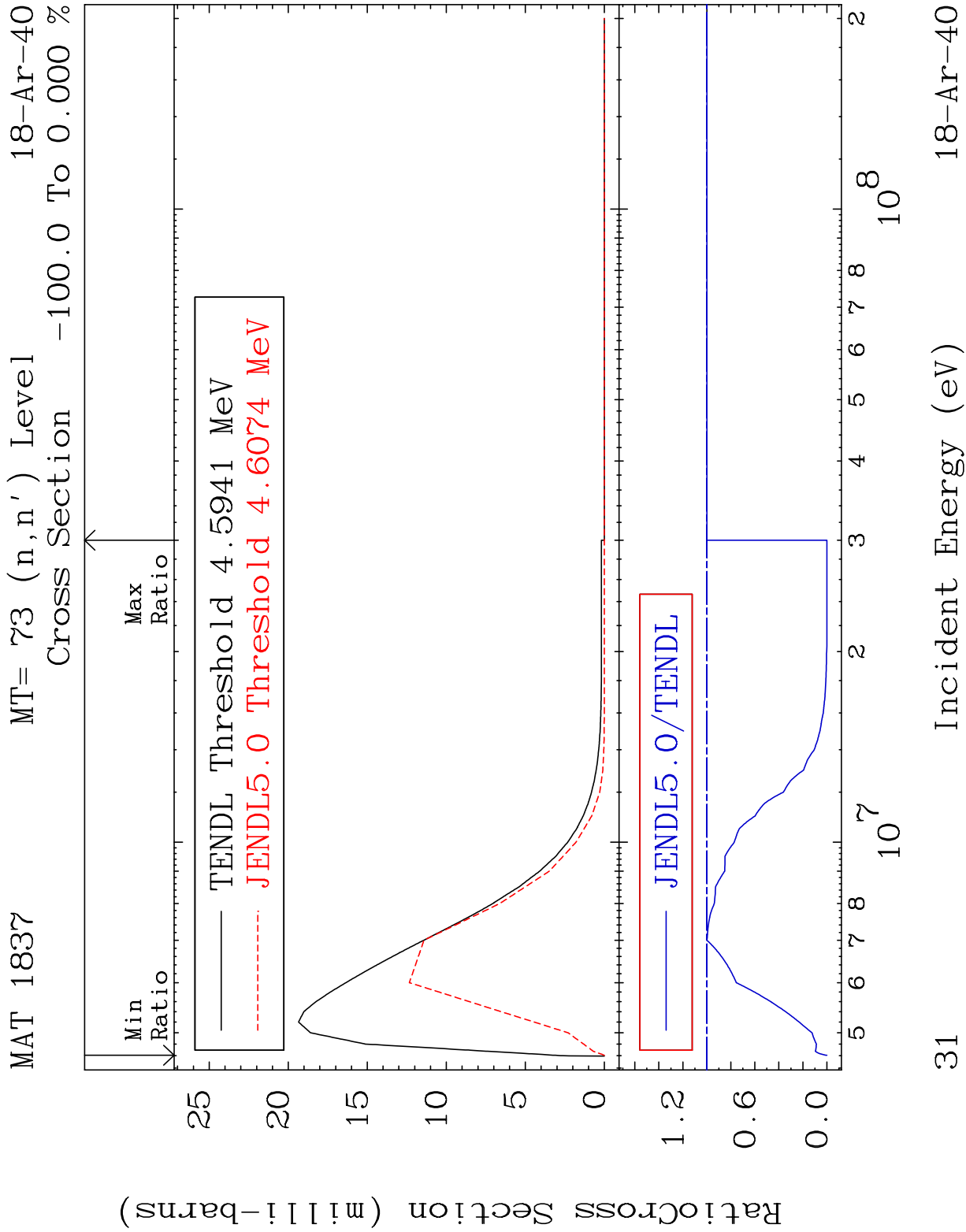




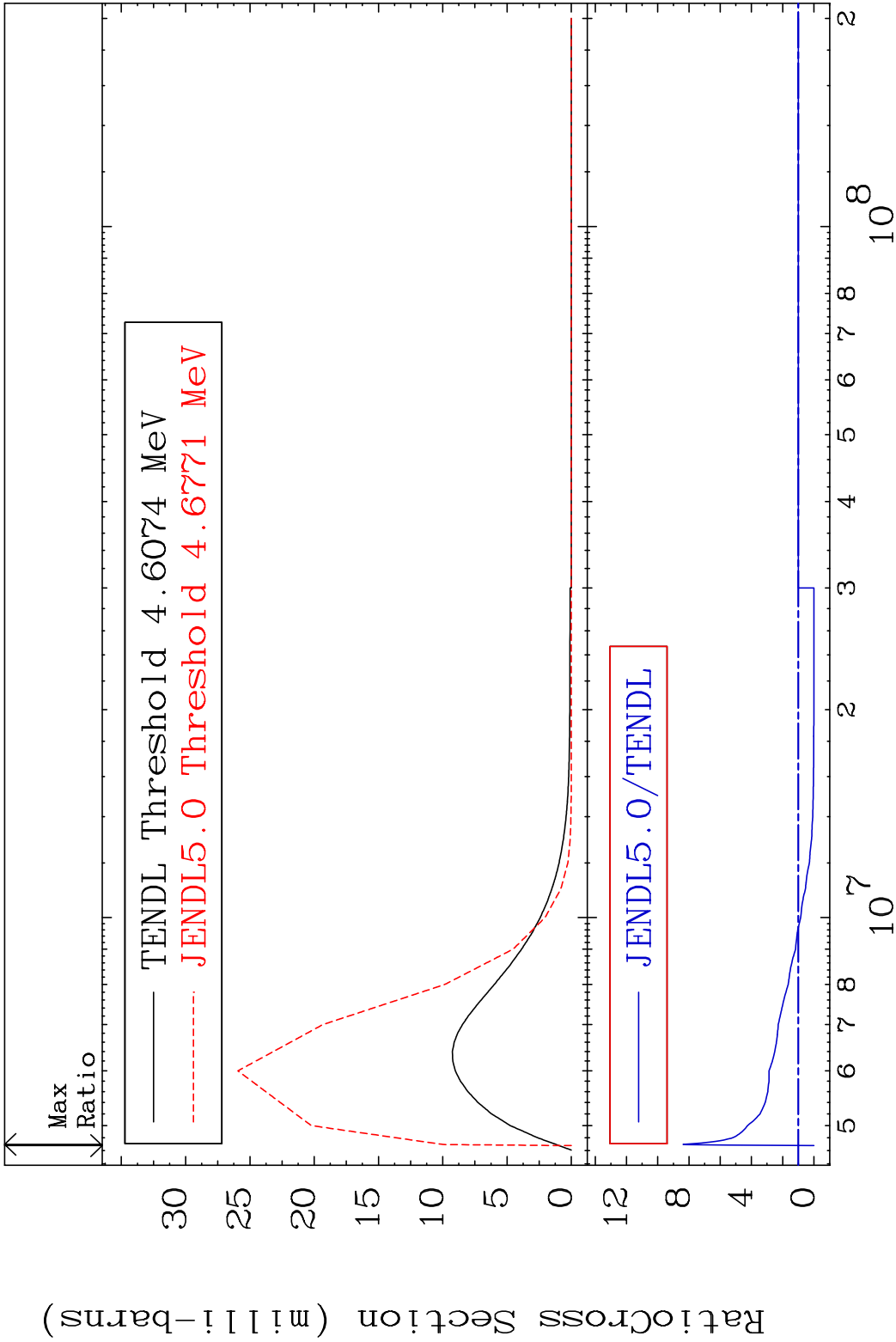
MAT 1837 MT= 72 (n,n') Level 18-Ar-40
Cross Section -100.0 To 57.09 %



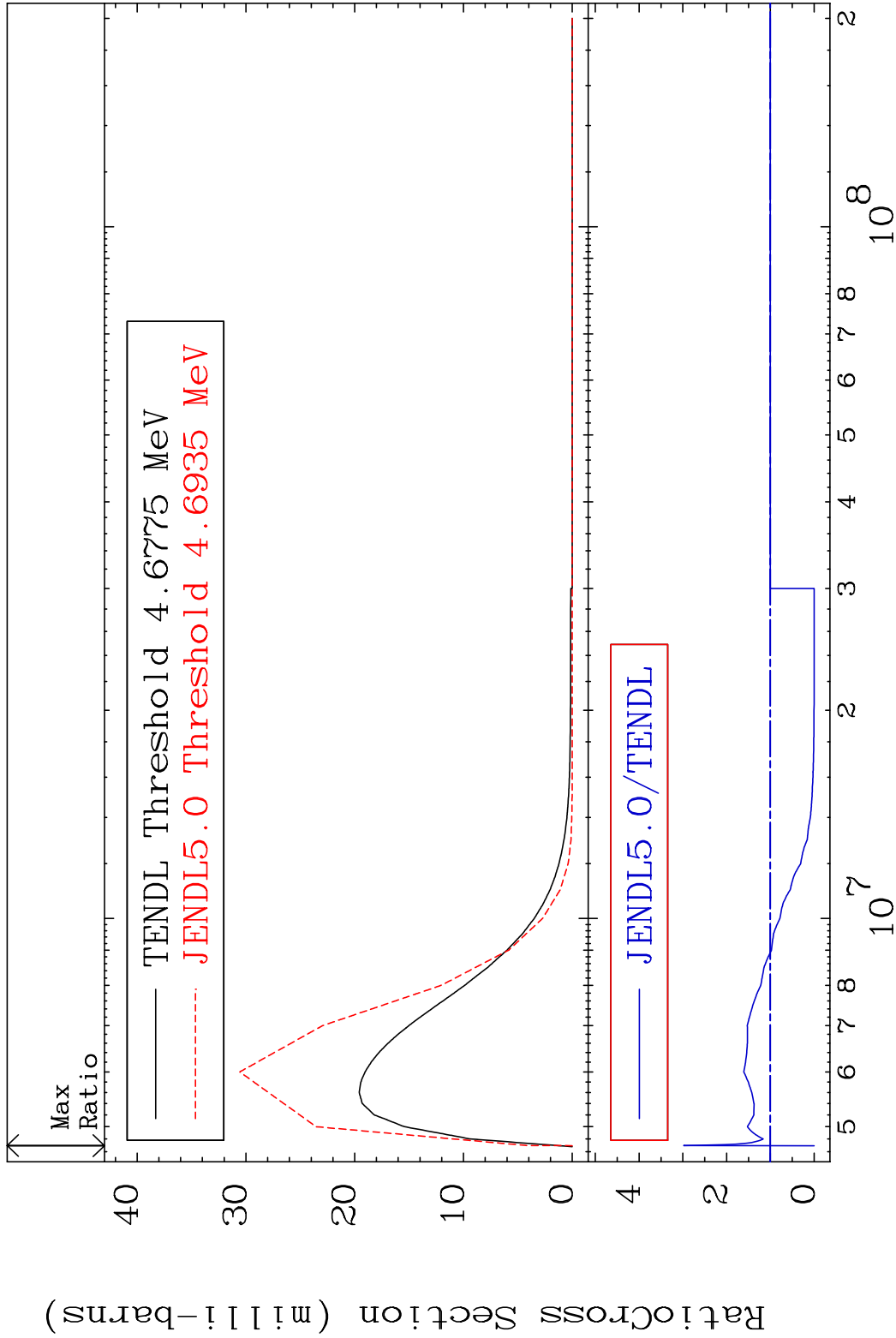
30 Incident Energy (eV) 18-Ar-40

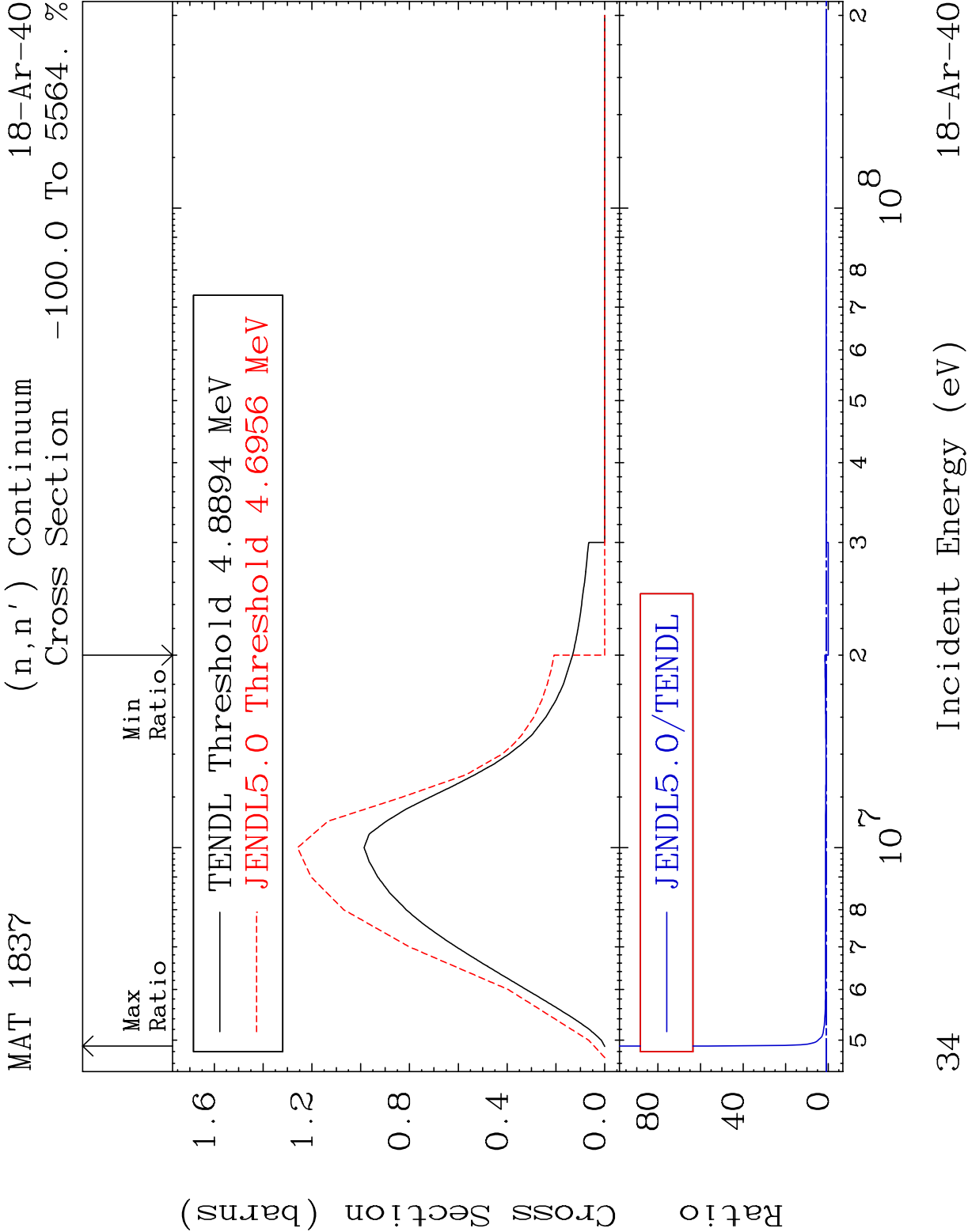


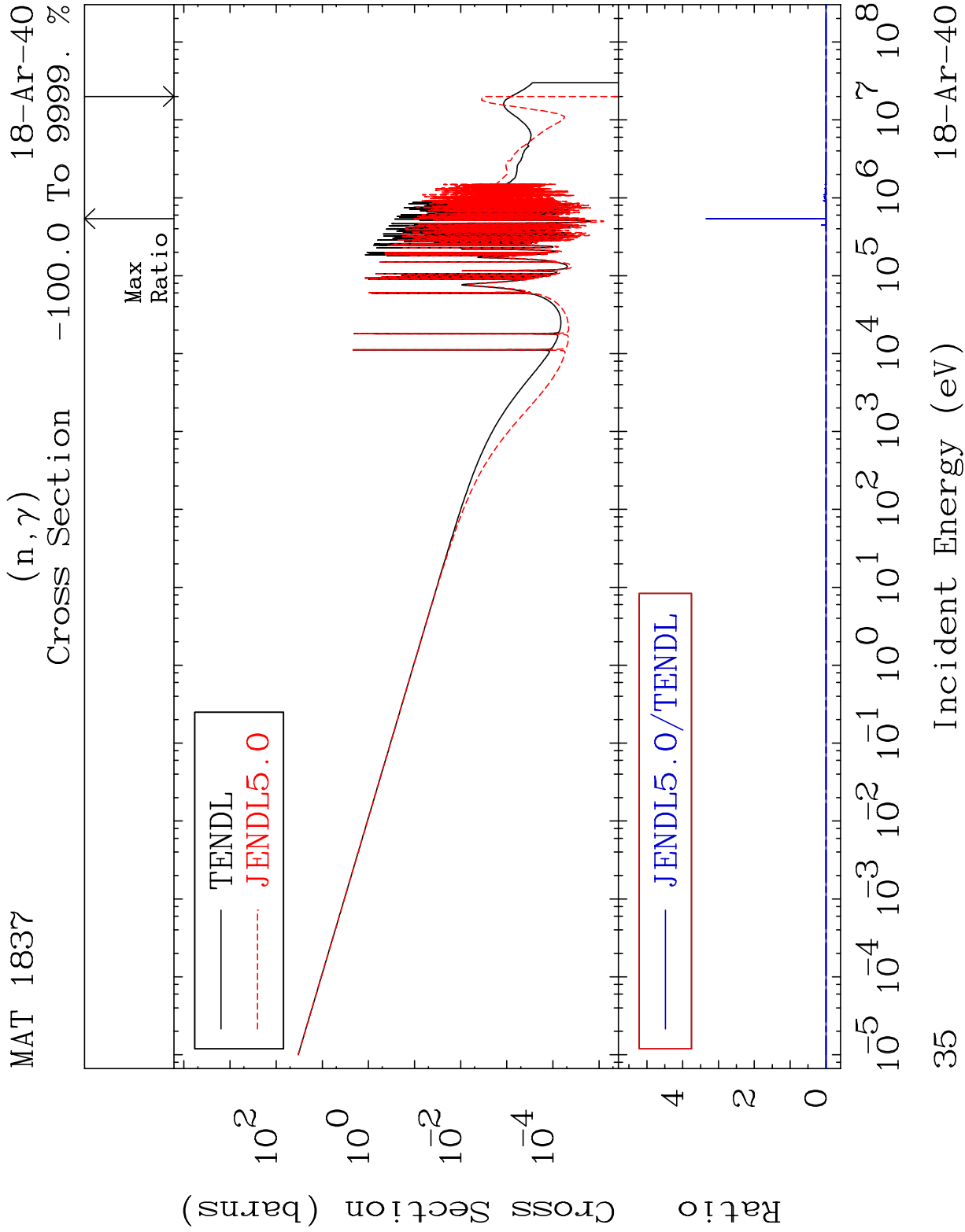
MAT 1837 MT= 74 (n,n') Level 18-Ar-40
Cross Section -100.0 To 738.0 %

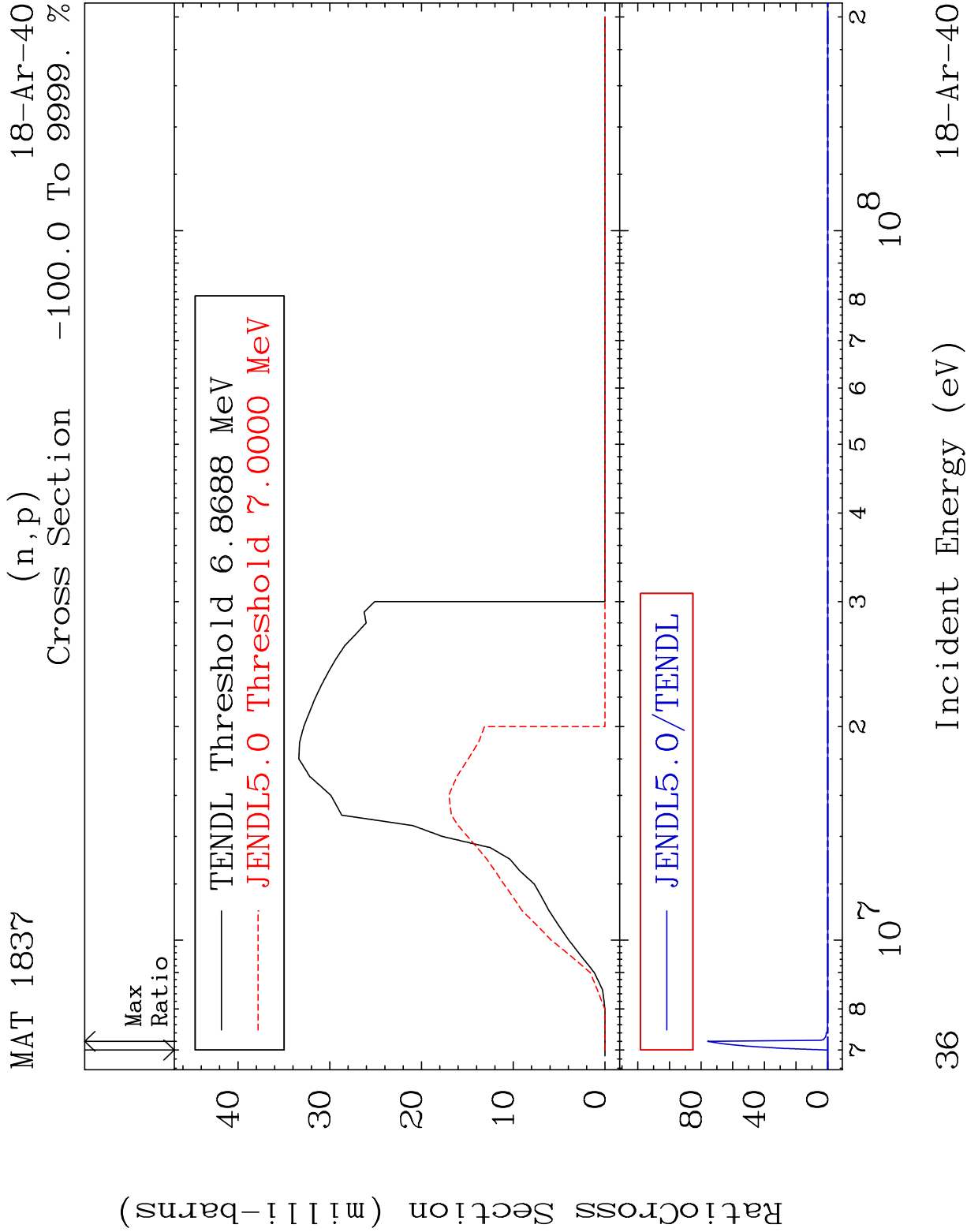


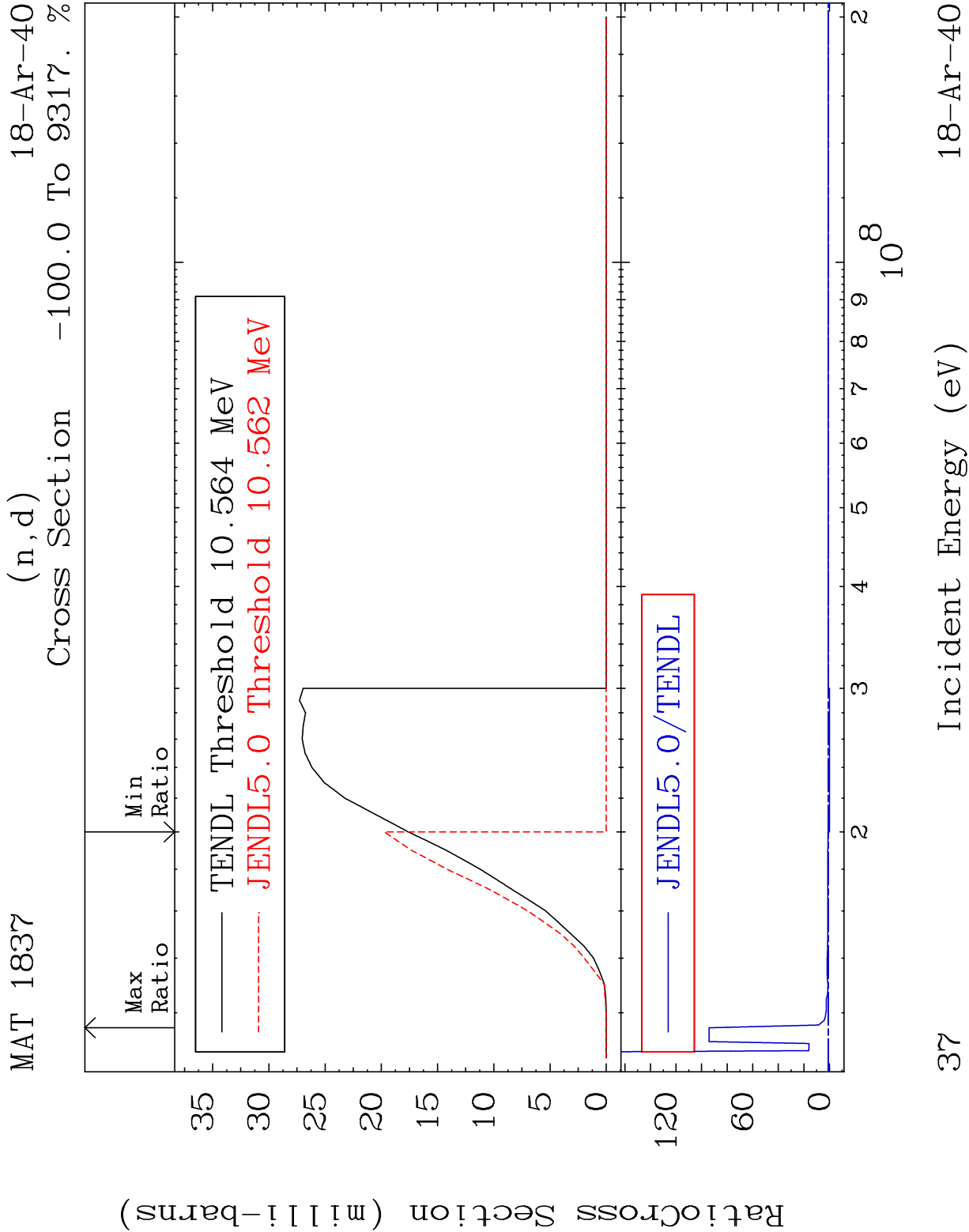
MAT 1837 MT= 75 (n,n') Level 18-Ar-40
Cross Section -100.0 To 198.2 %

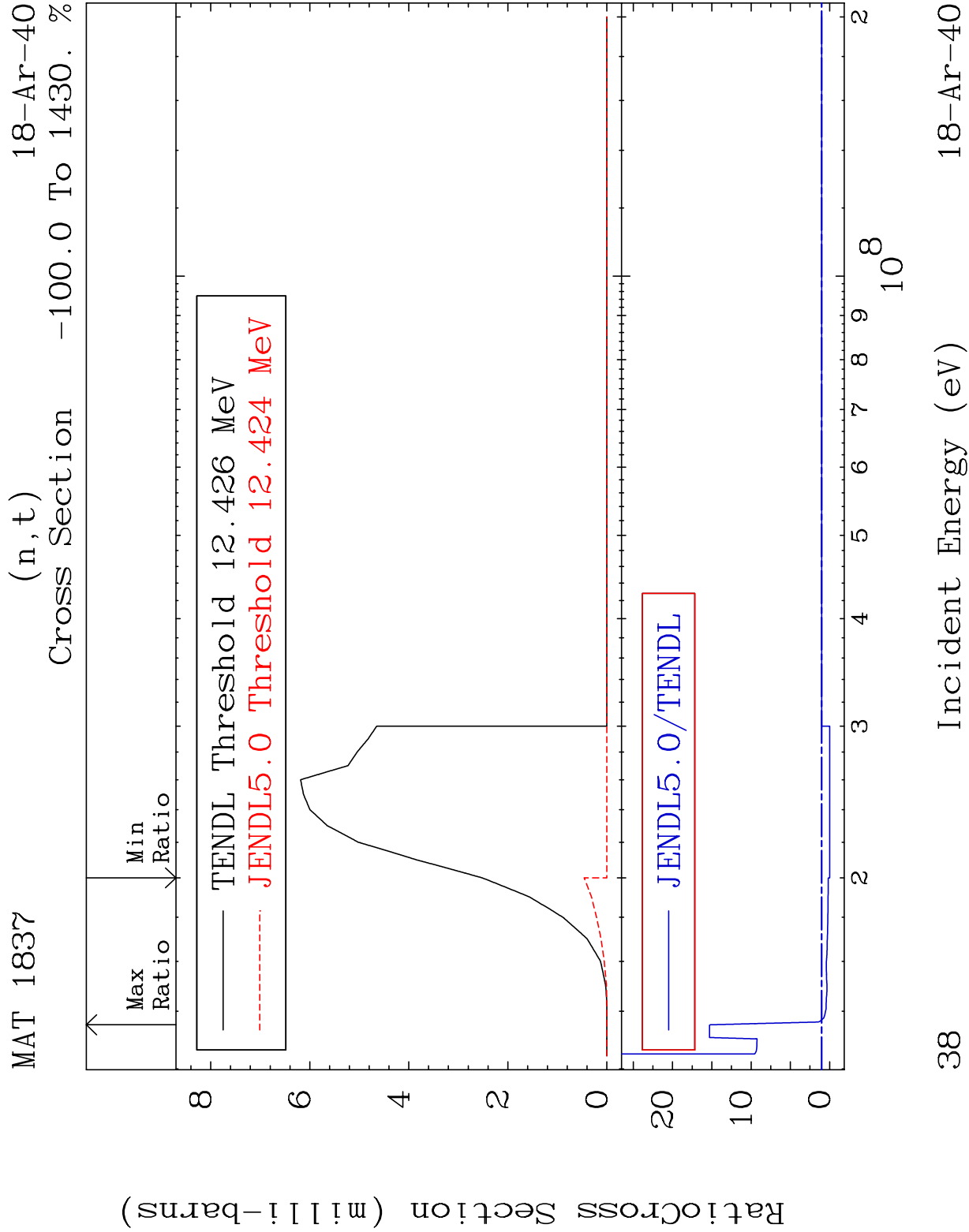


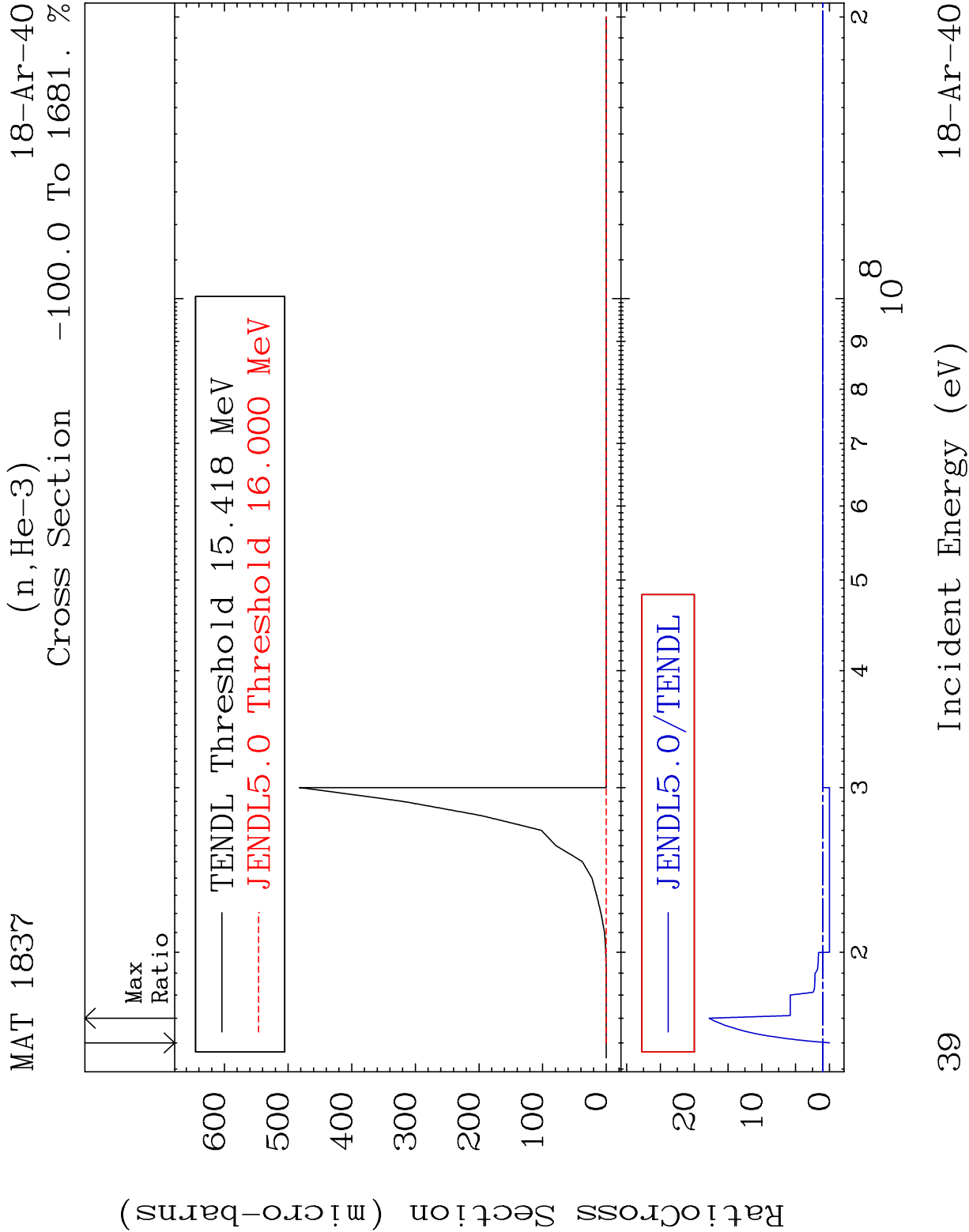


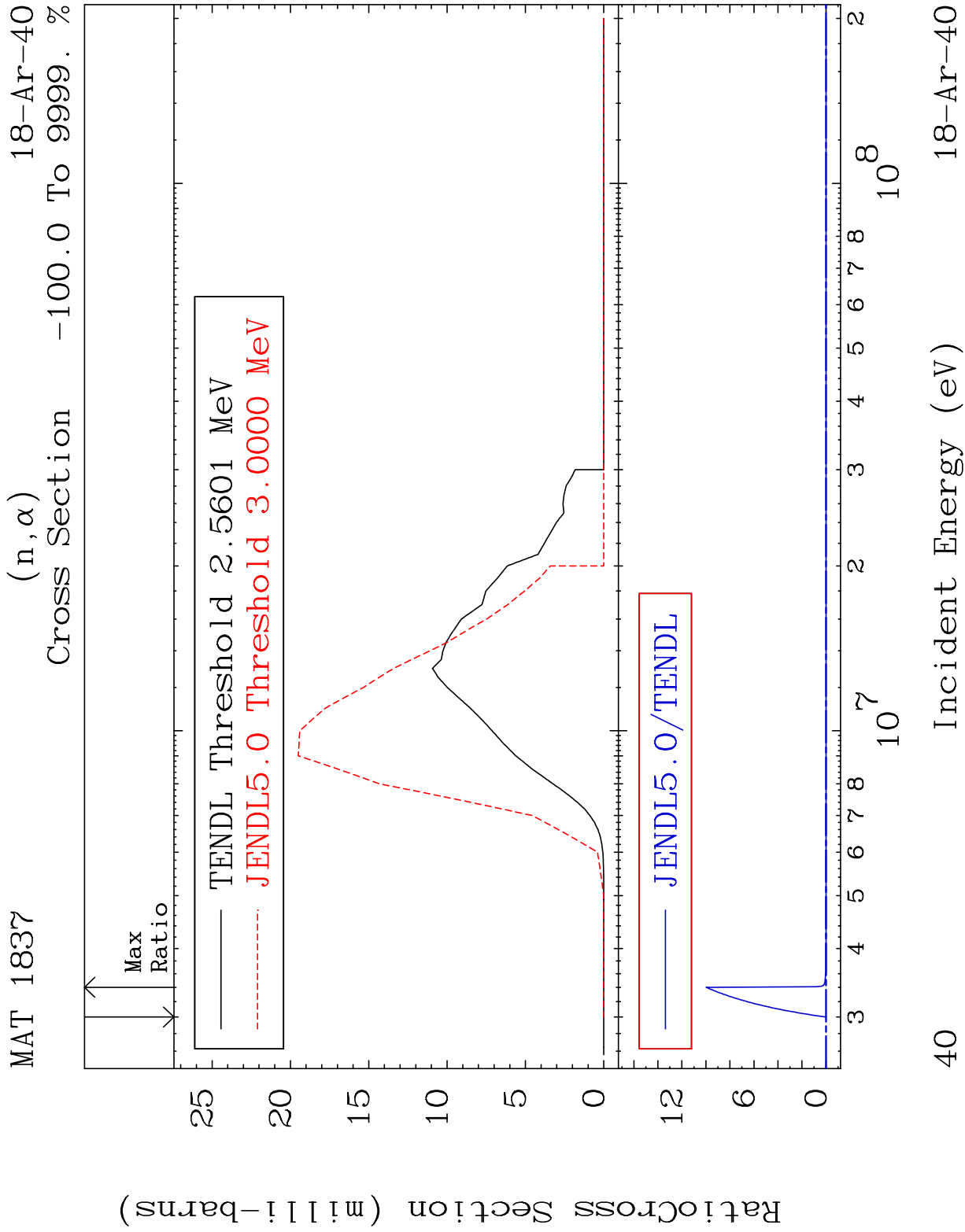


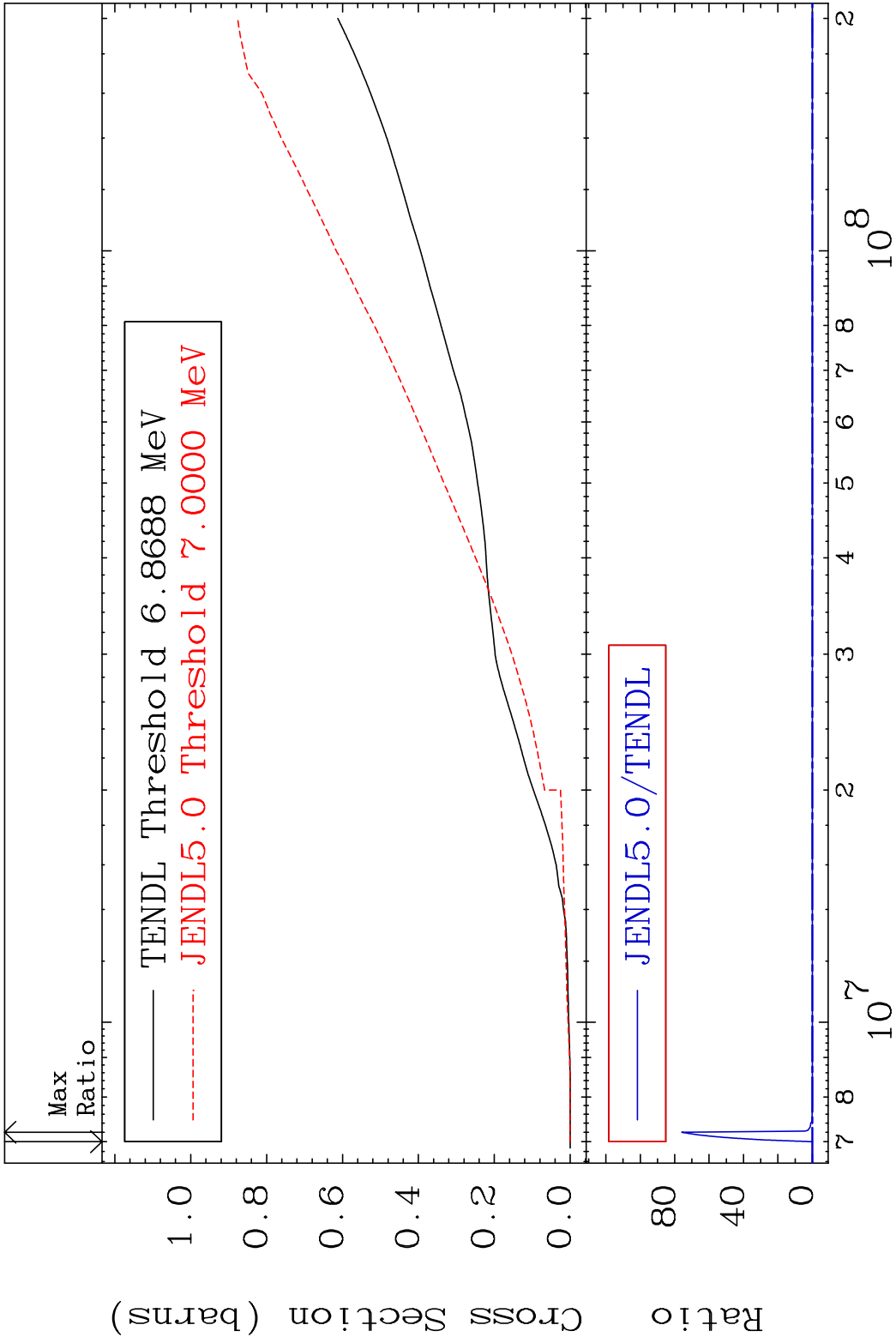


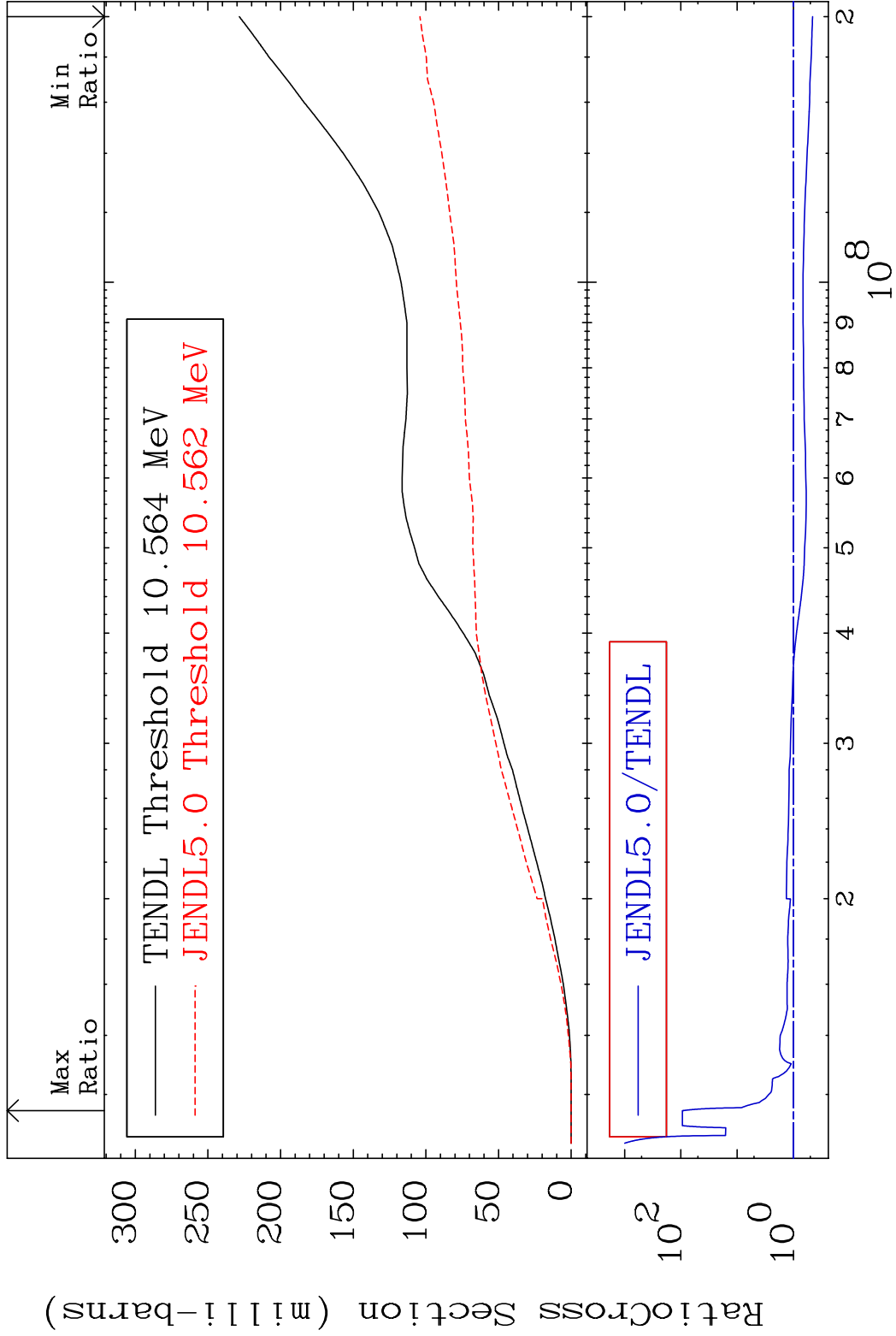


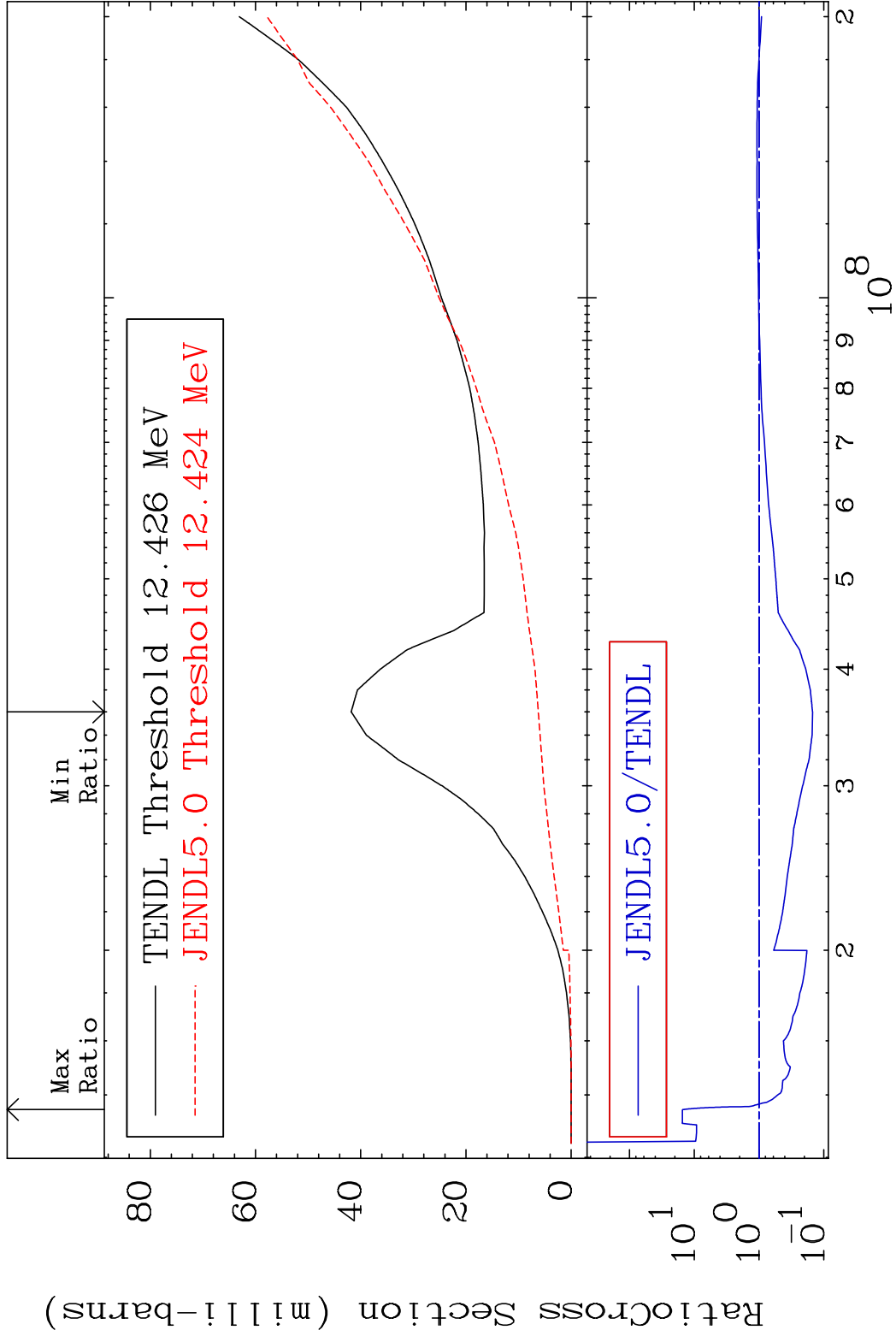




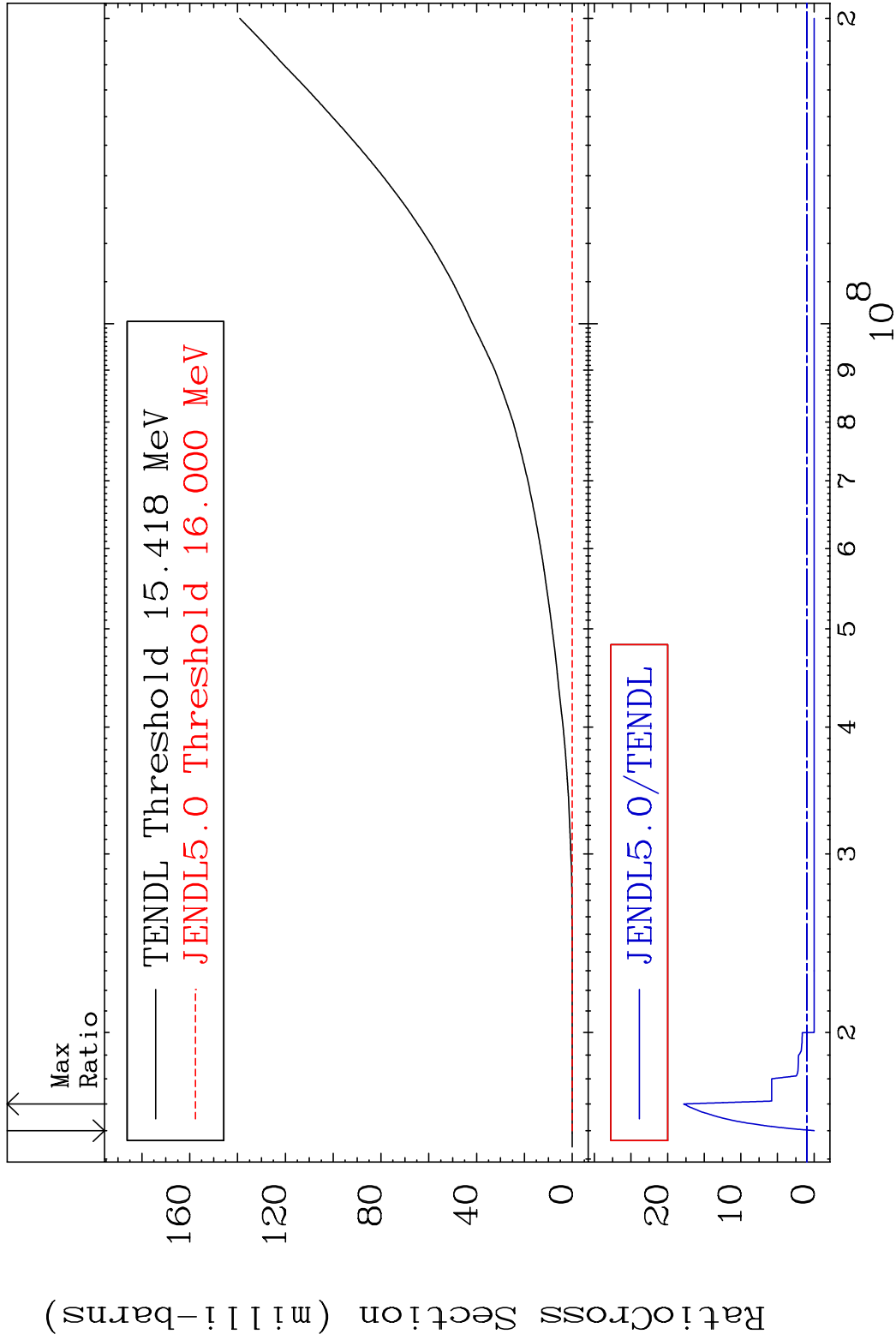




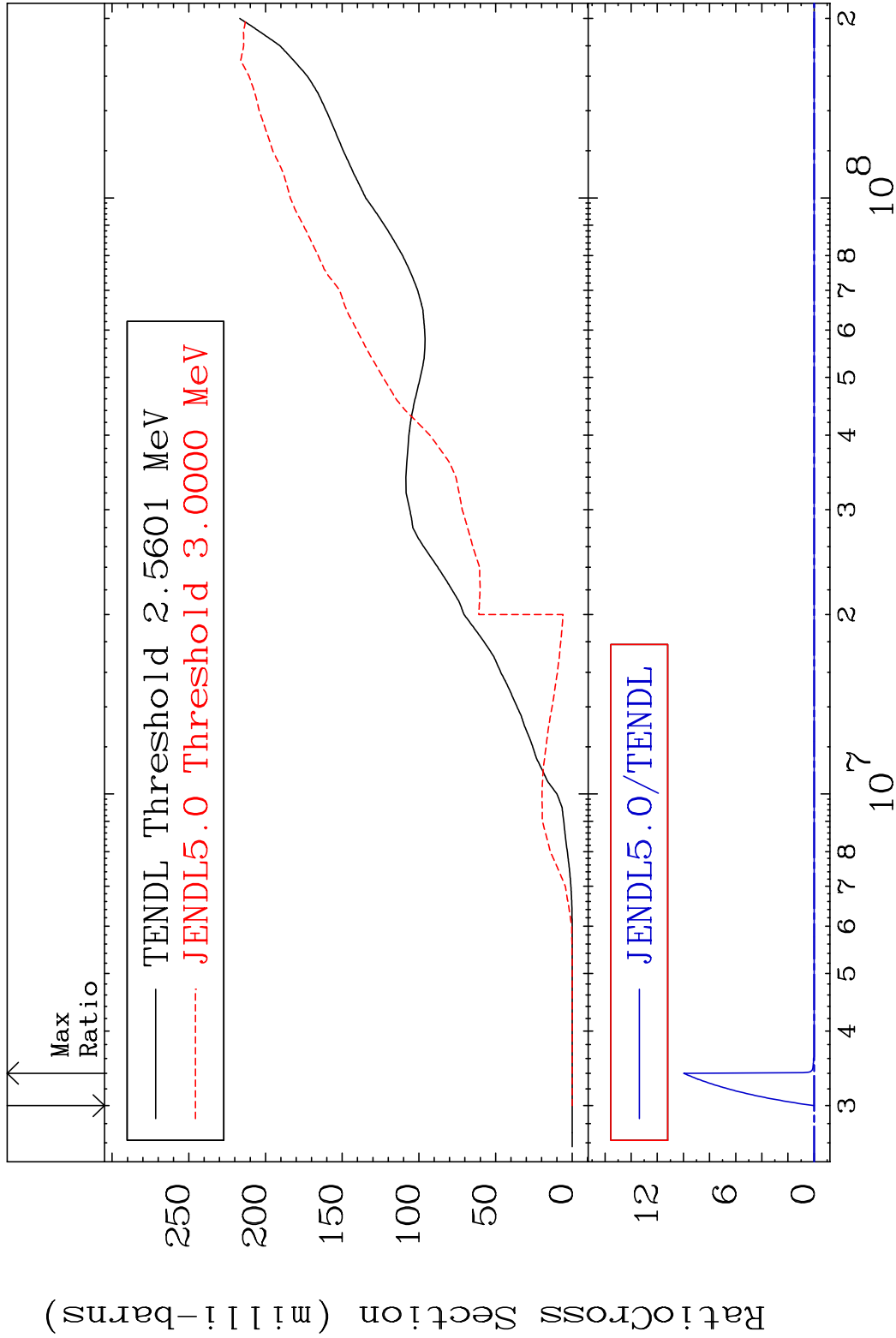


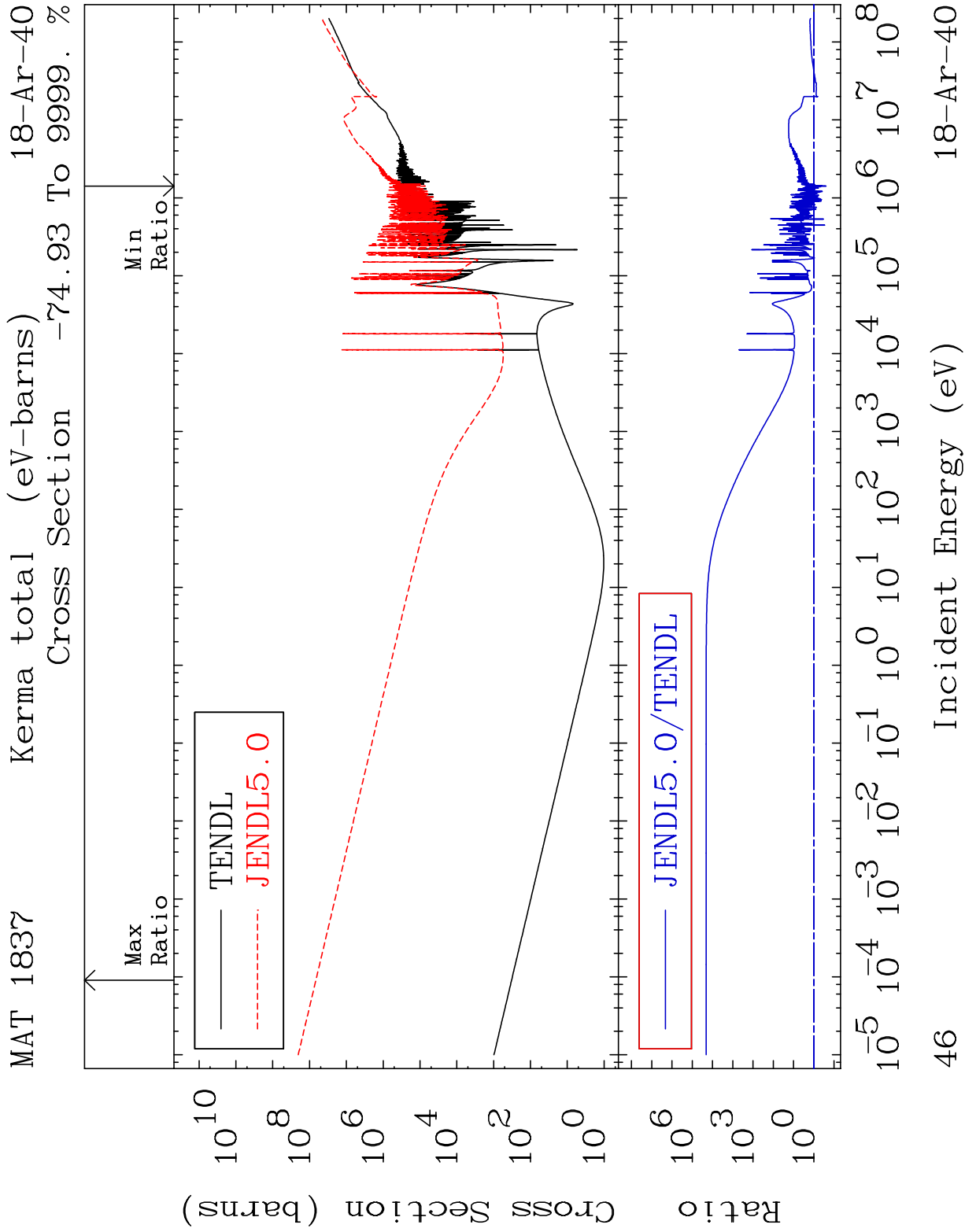


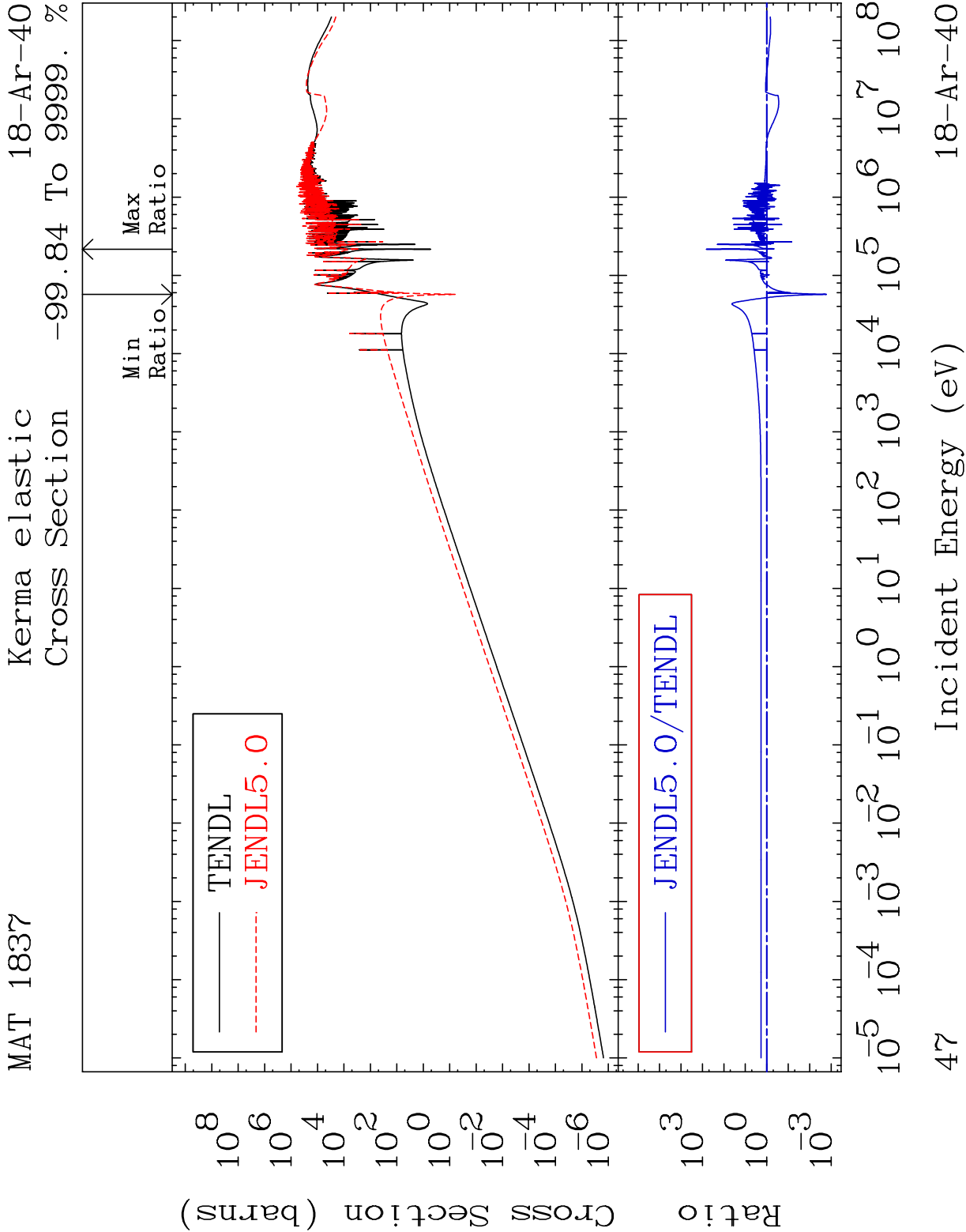
MAT 1837 He-3 Production 18-Ar-40
Cross Section -100.0 To 1681. %



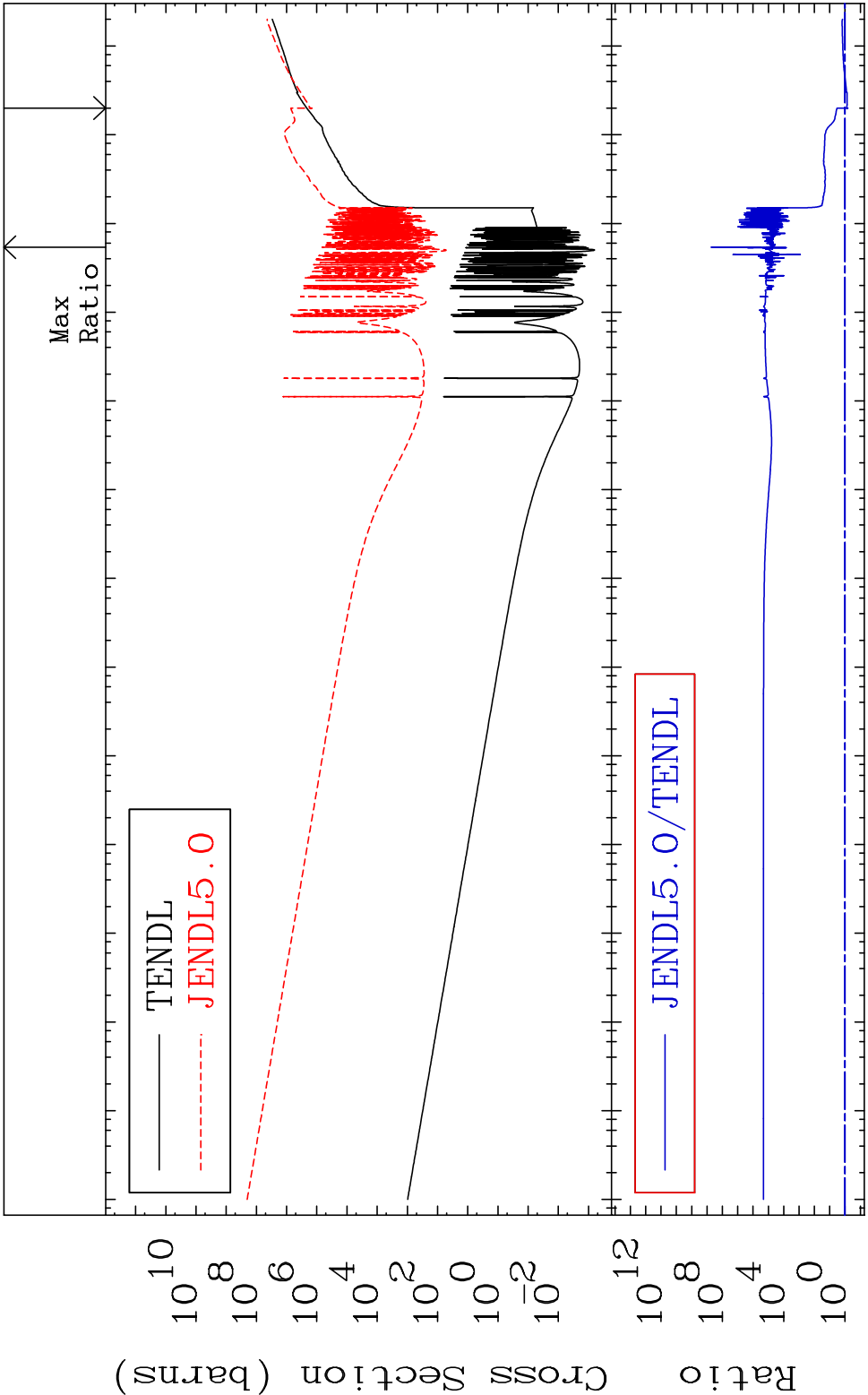
MAT 1837 He-4 Production 18-Ar-40
Cross Section -100.0 To 9999. %



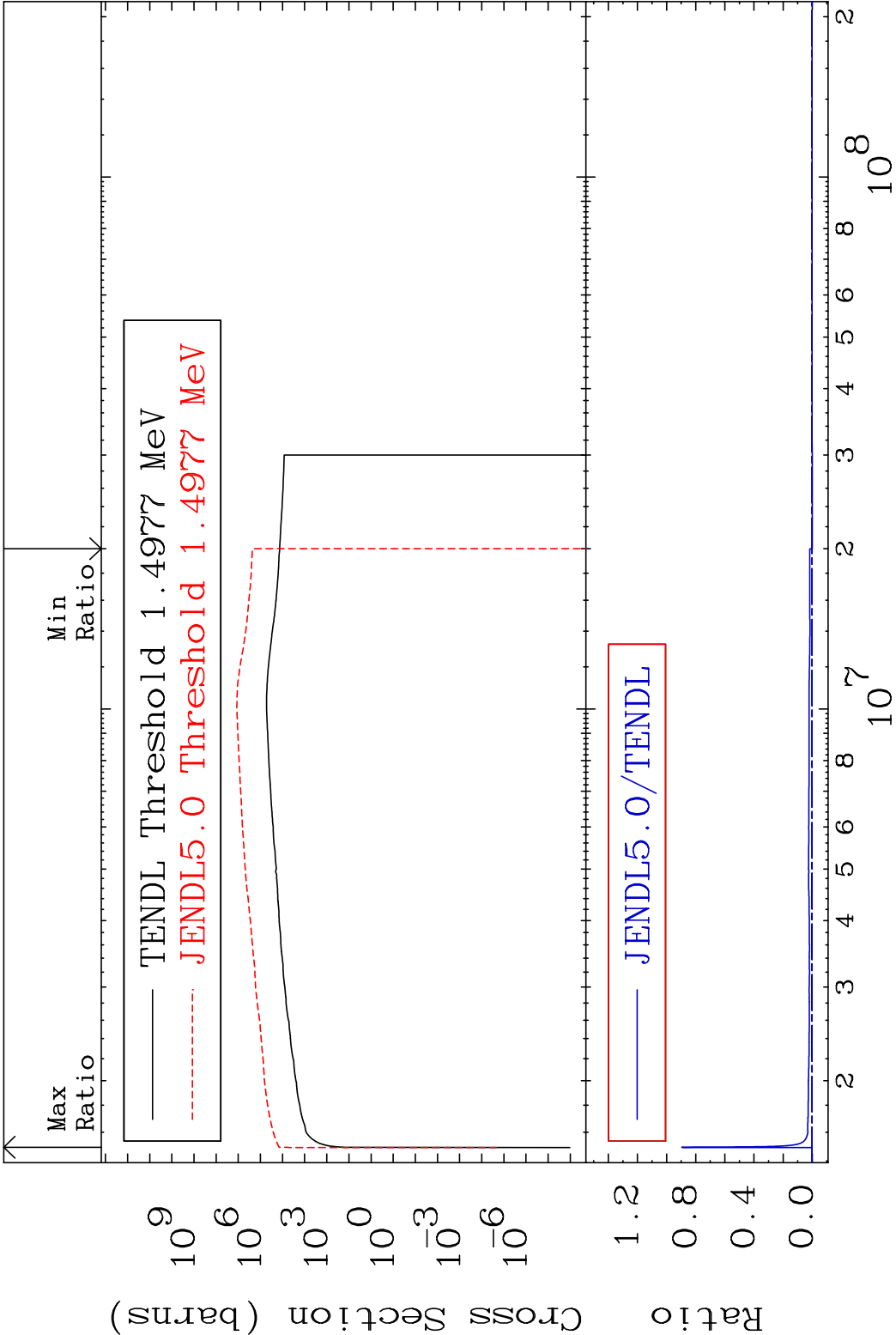




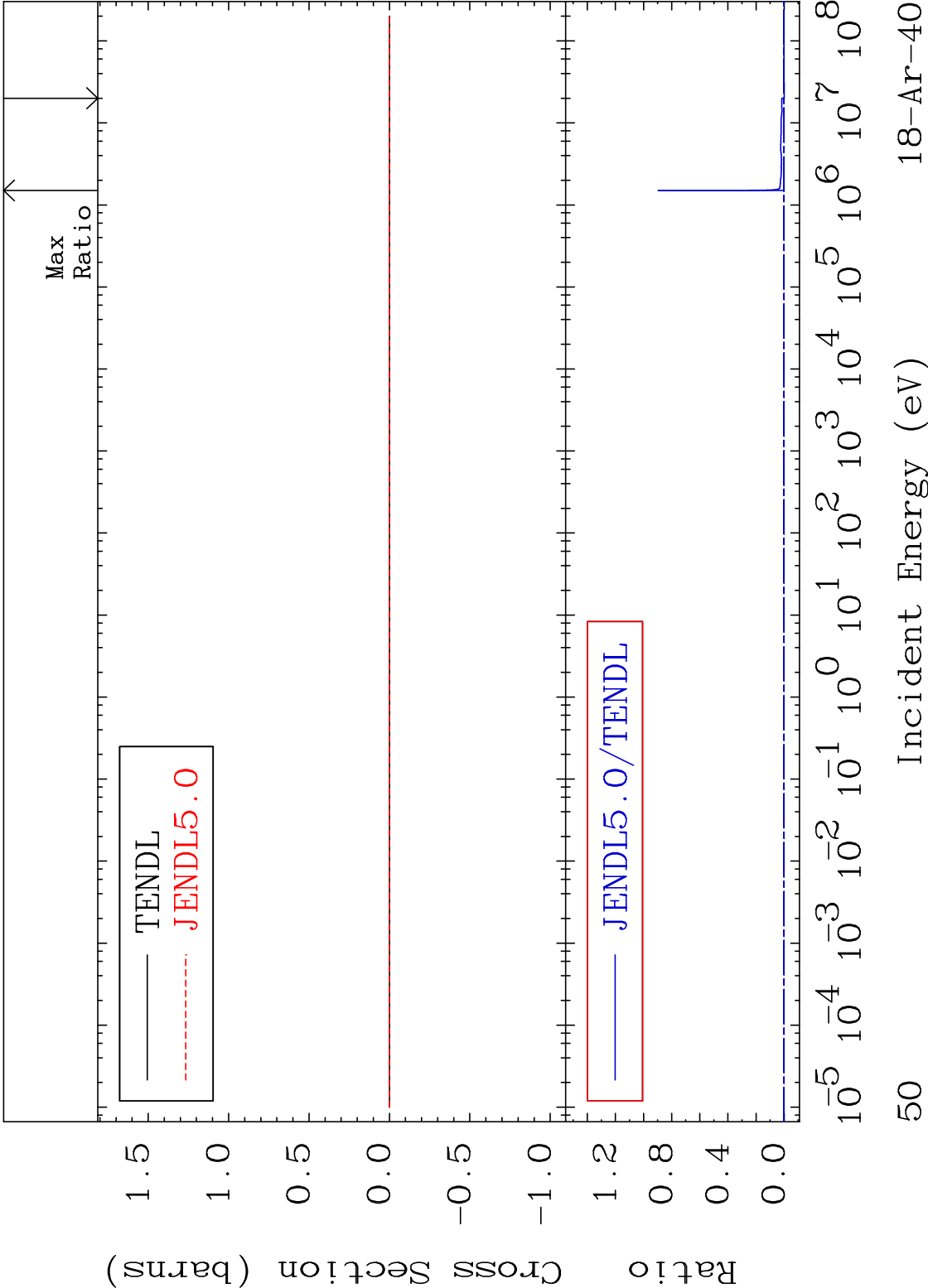
MAT 1837 Kerma non-elastic (all but mt2) 18-Ar-40
 Cross Section -33.38 To 9999. %

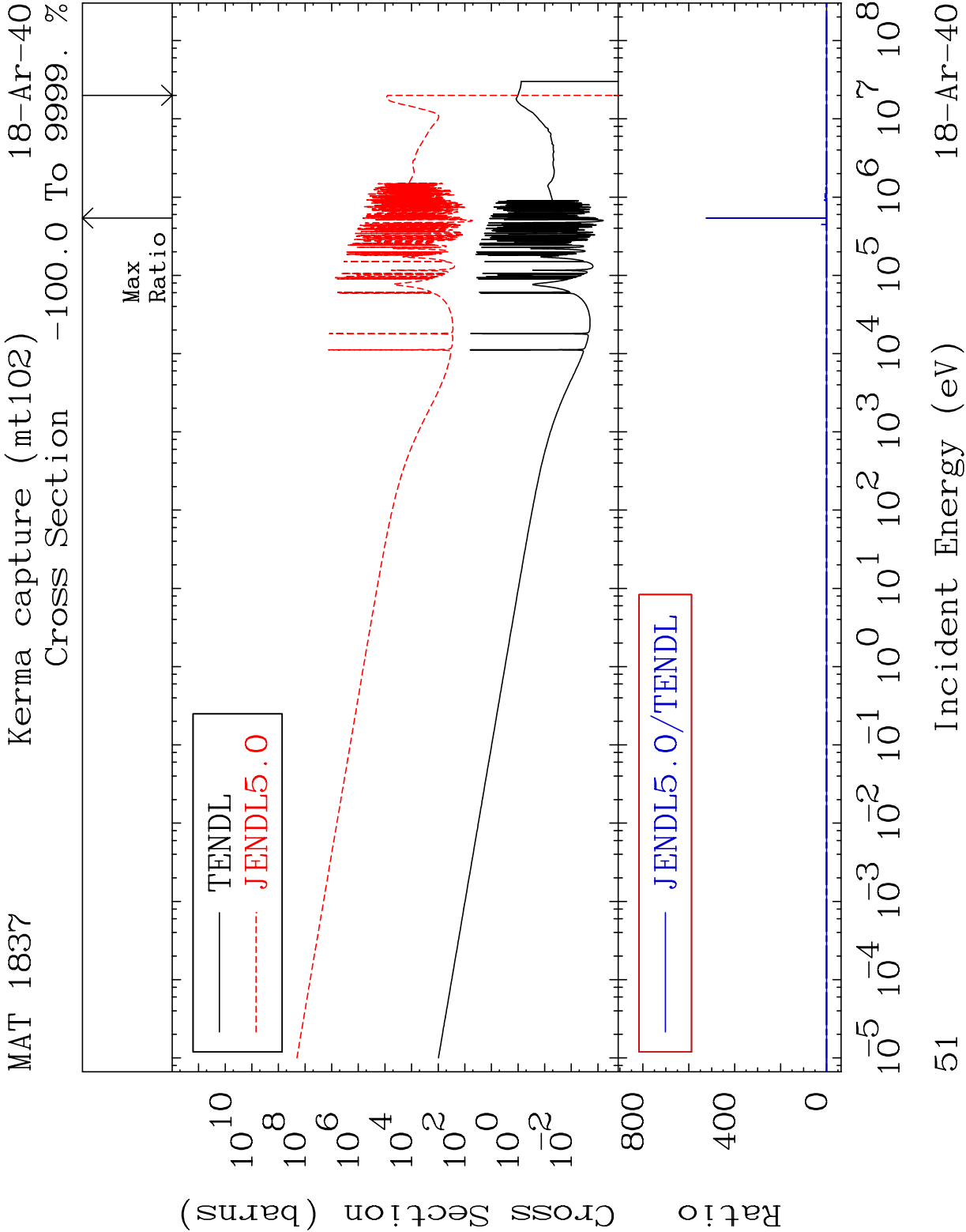


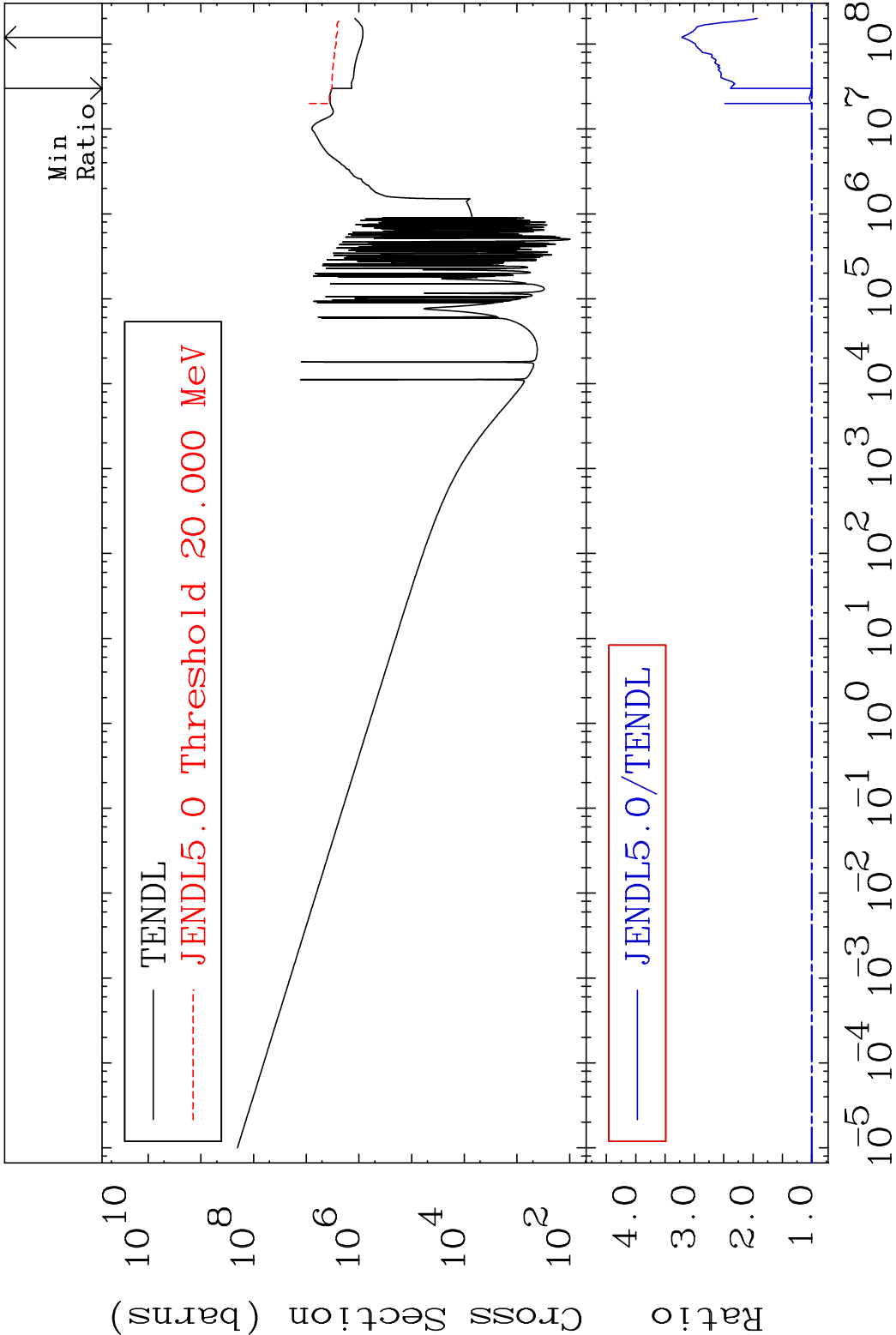
48 Incident Energy (eV) 18-Ar-40



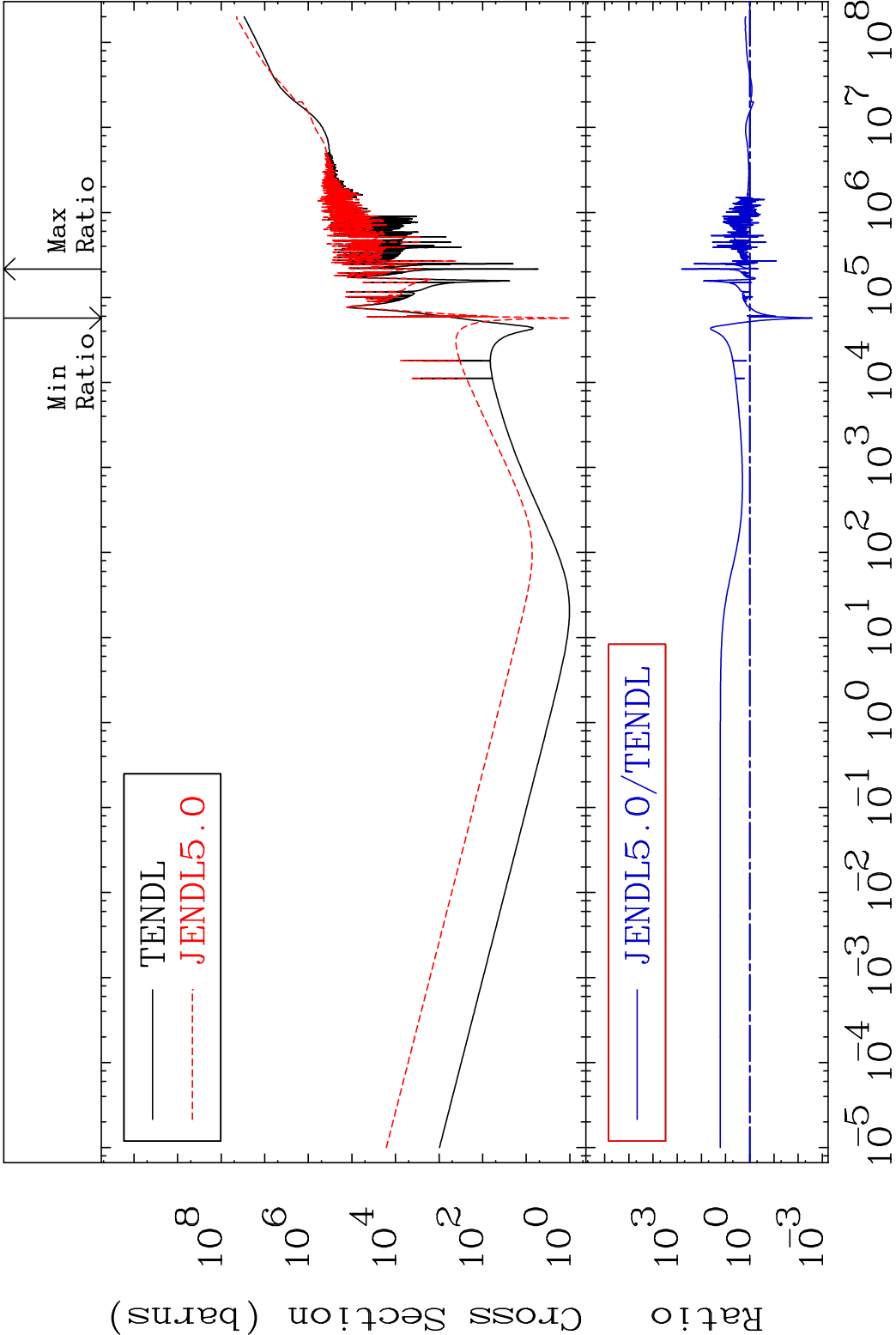
MAT 1837 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-40
Cross Section -100.0 To 9999. %



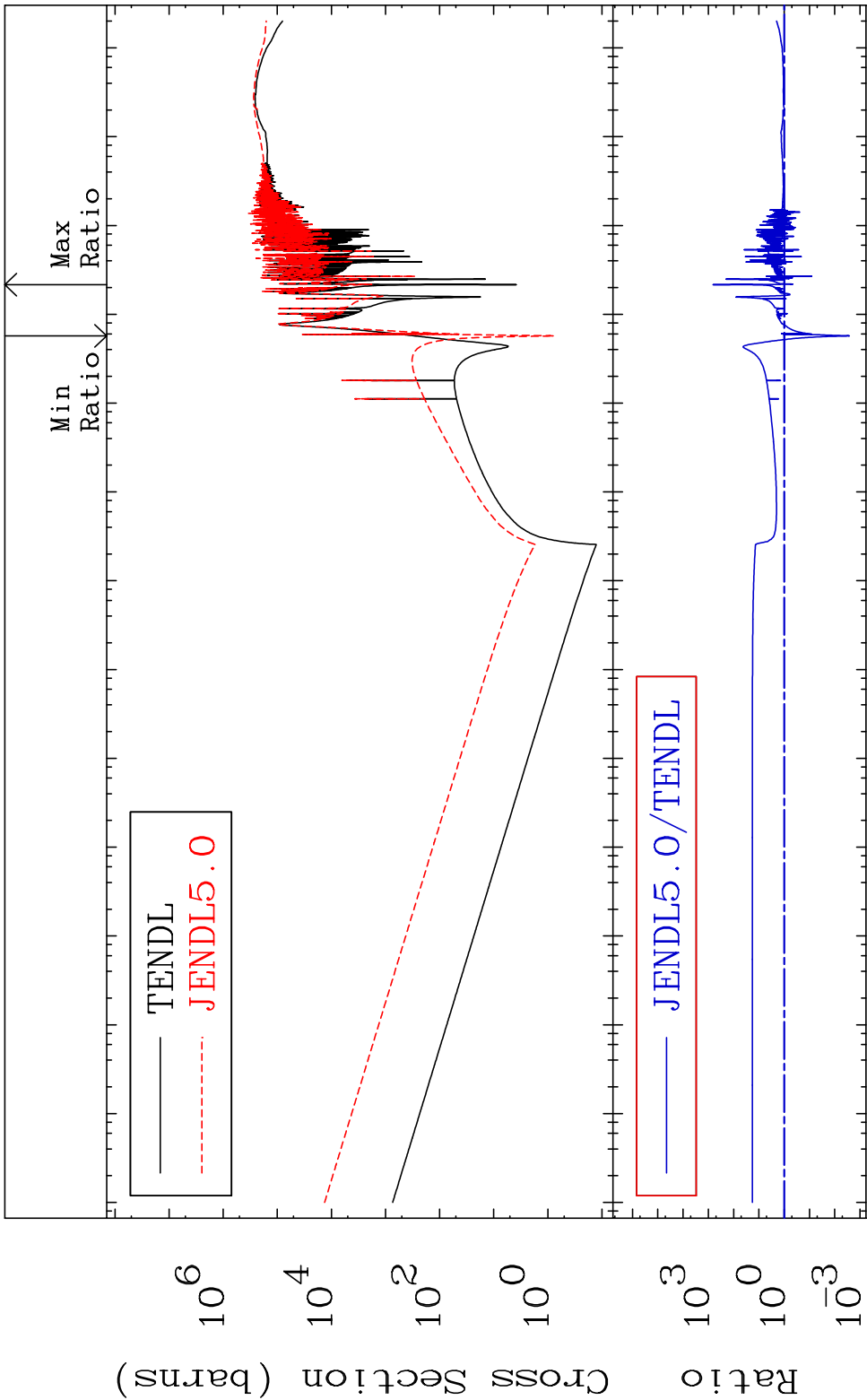


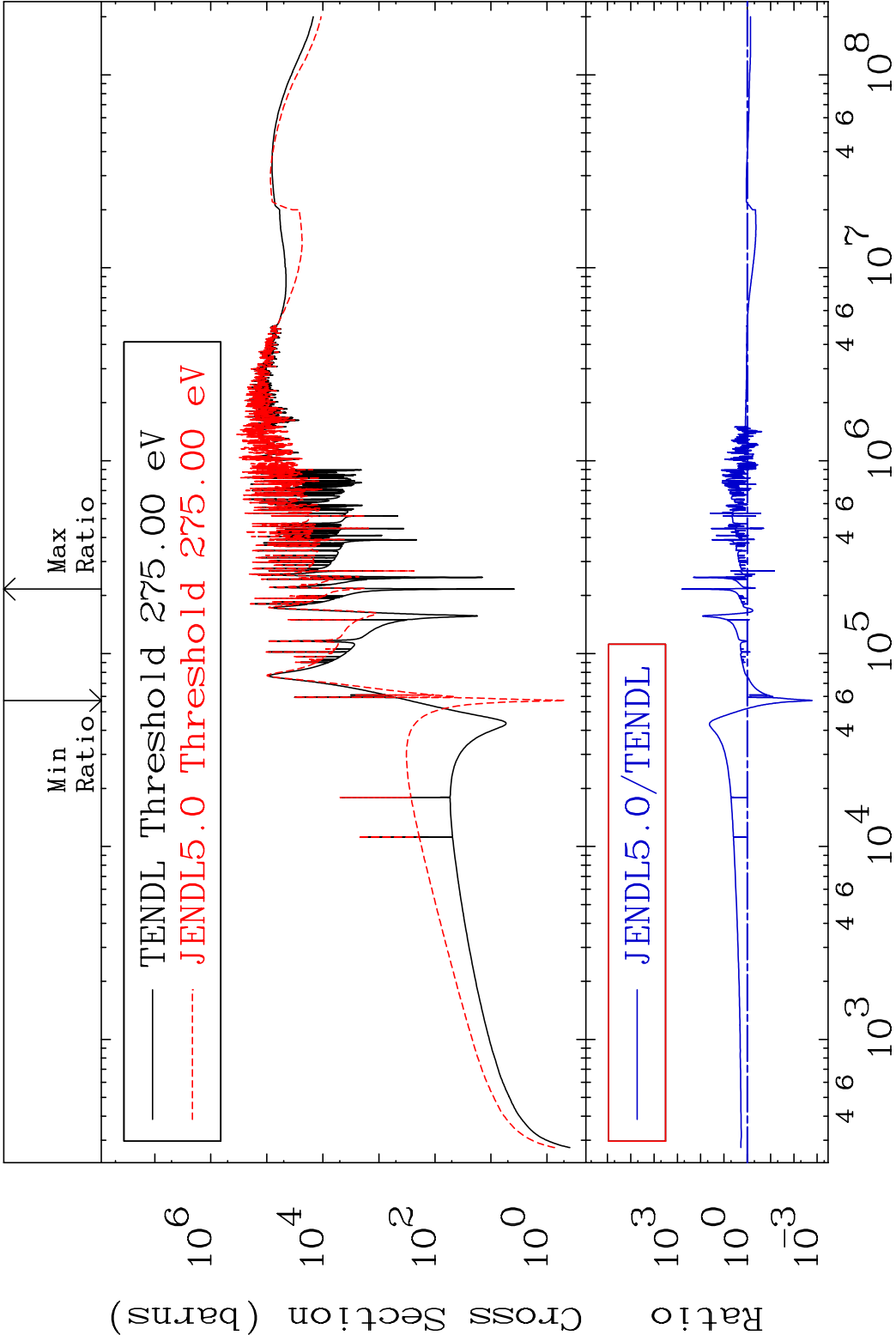


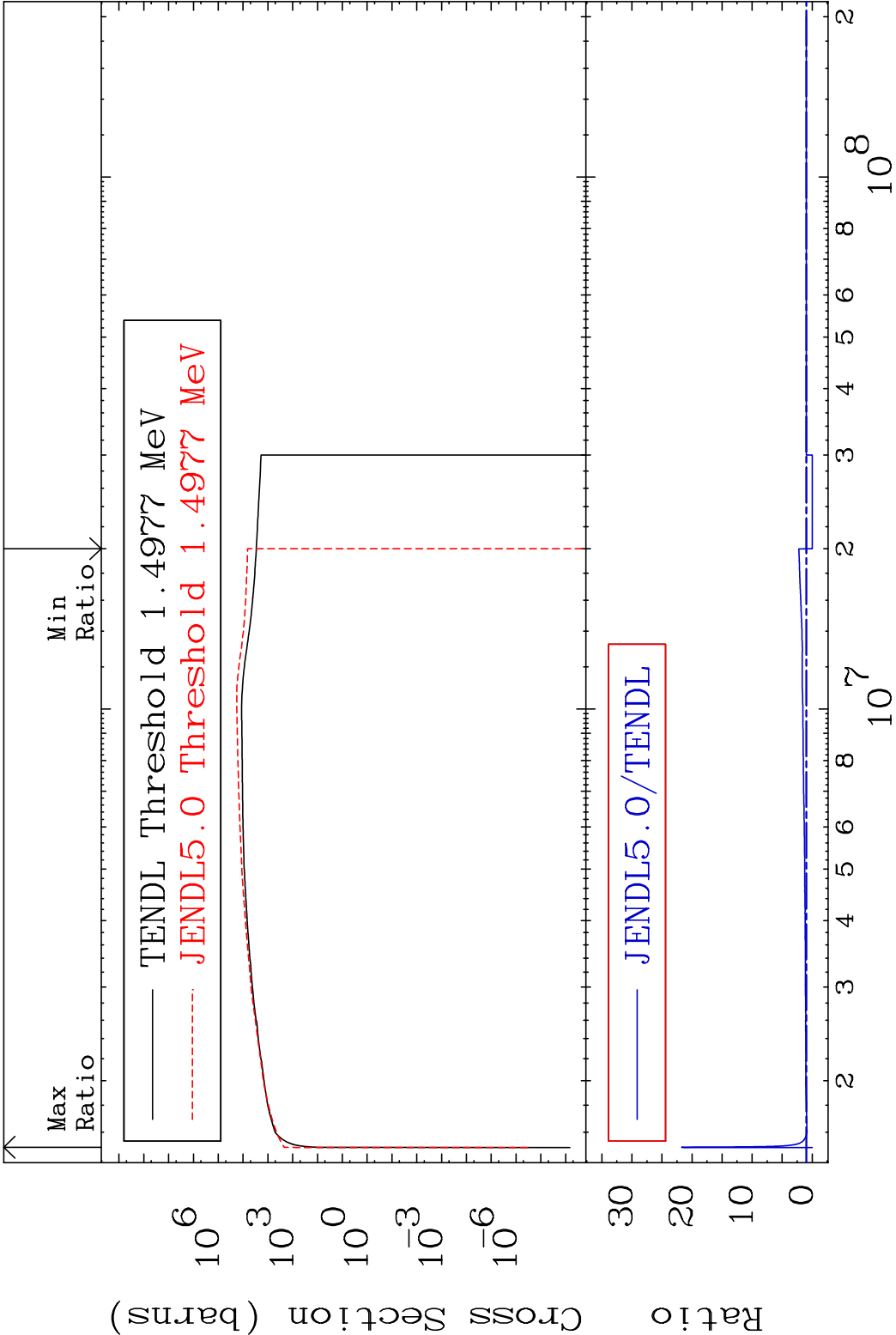
MAT 1837 Total kinematic kerma (high limit) 18-Ar-40
Cross Section -99.74 To 9999. %



MAT 1837 Dpa total (eV-barns) 18-Ar-40
 Cross Section -99.74 To 9999. %

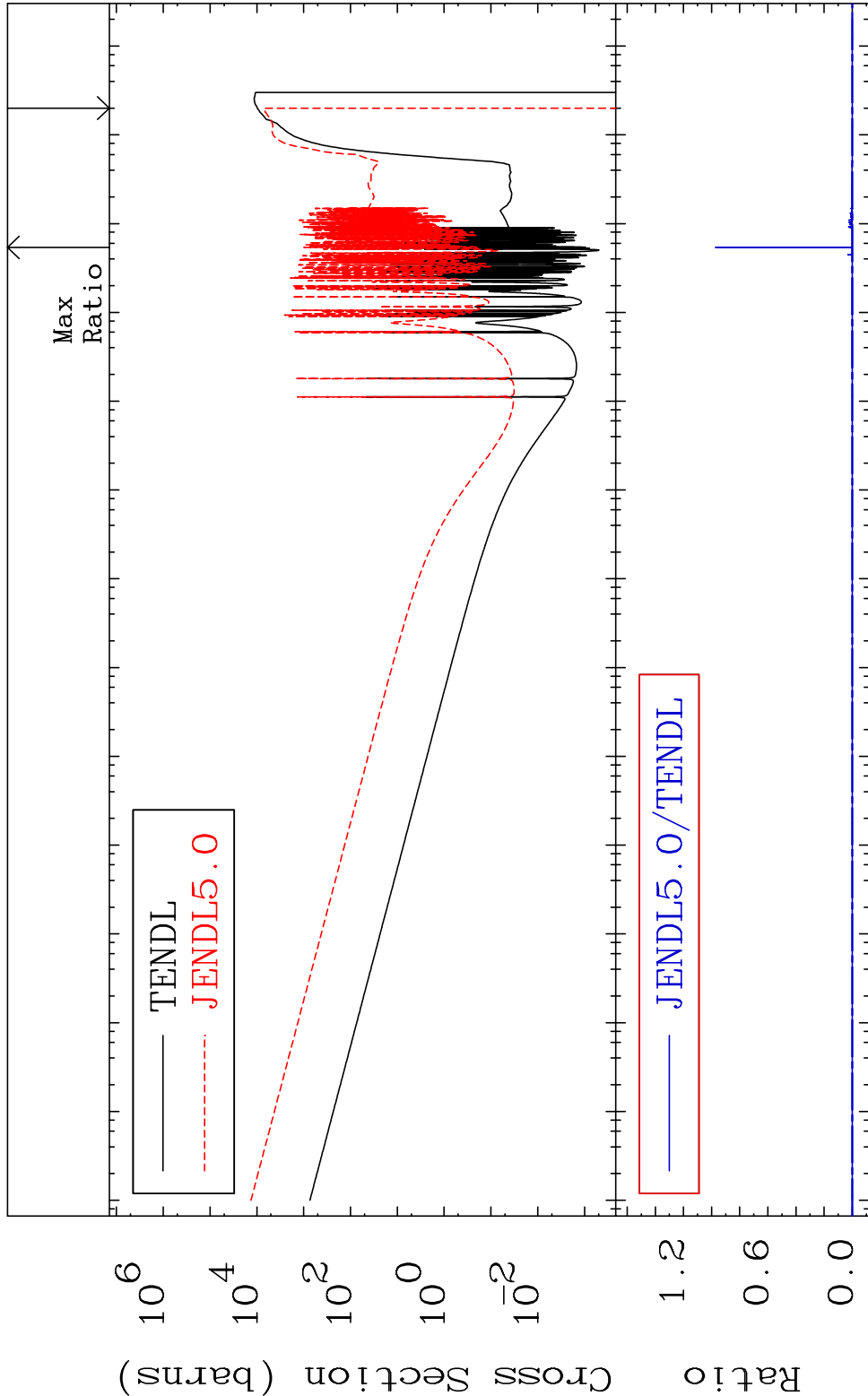






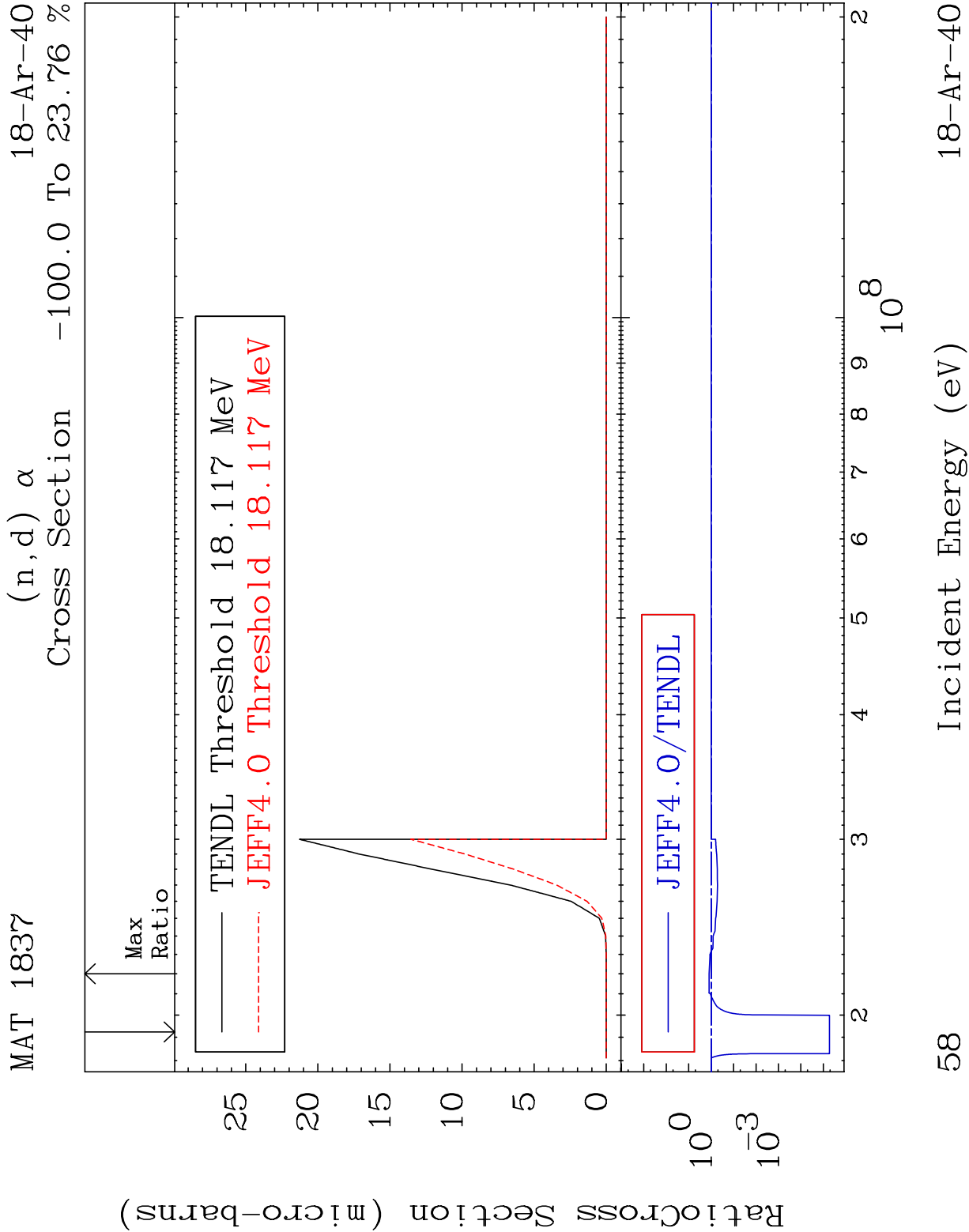
MAT 1837 Dpa disappearance (mt102 -120) 18-Ar-40

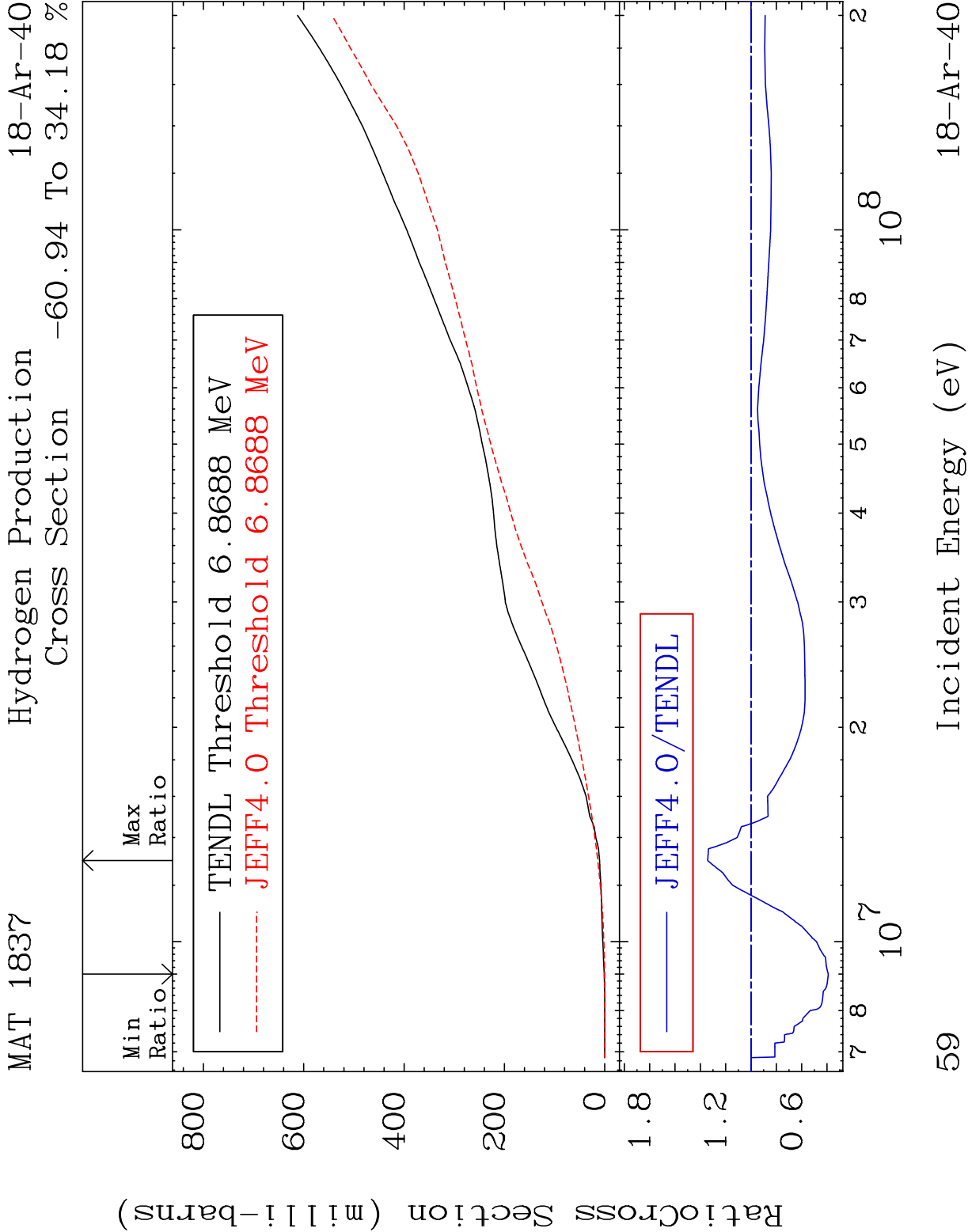
Cross Section -100.0 To 9999. %

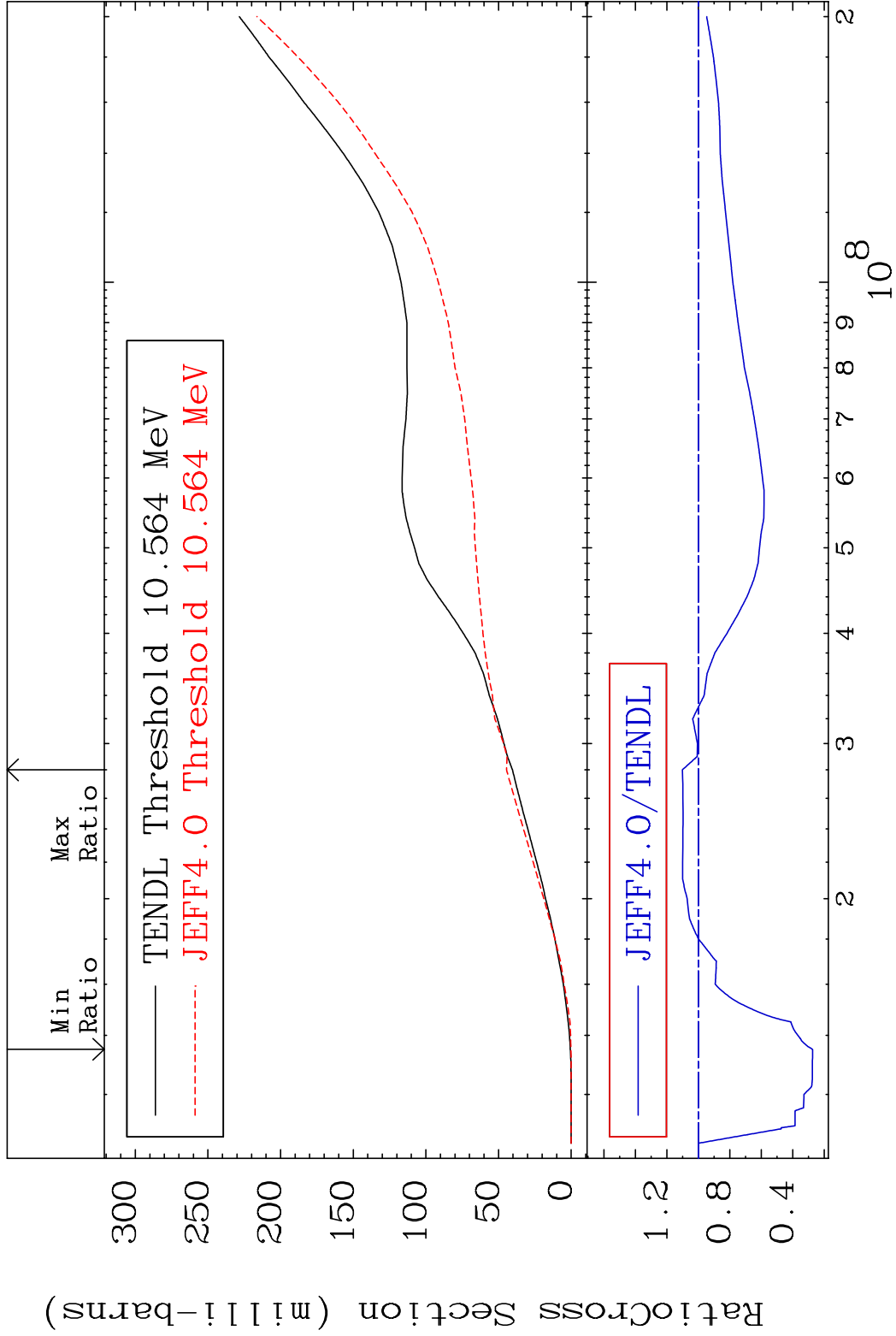


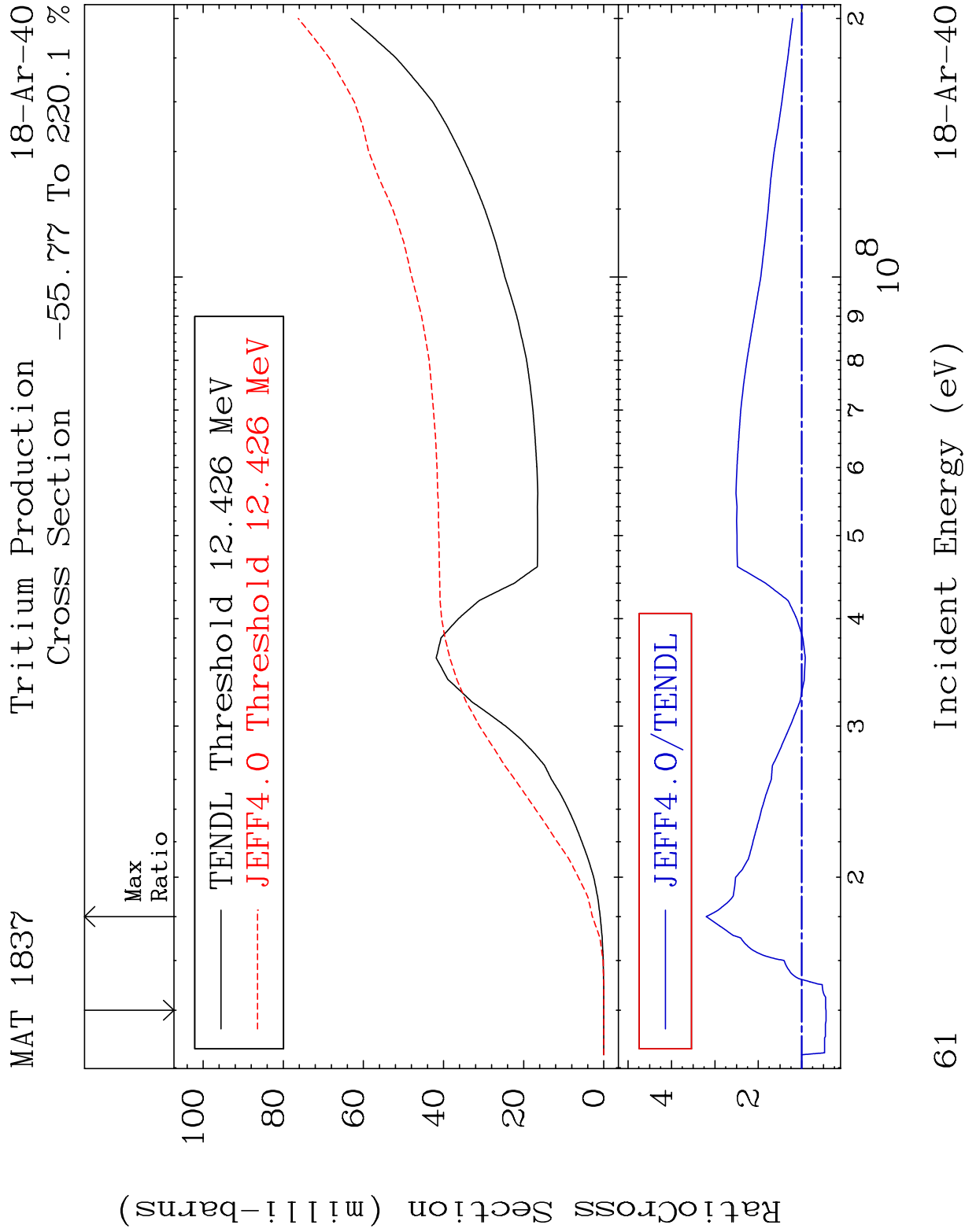
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

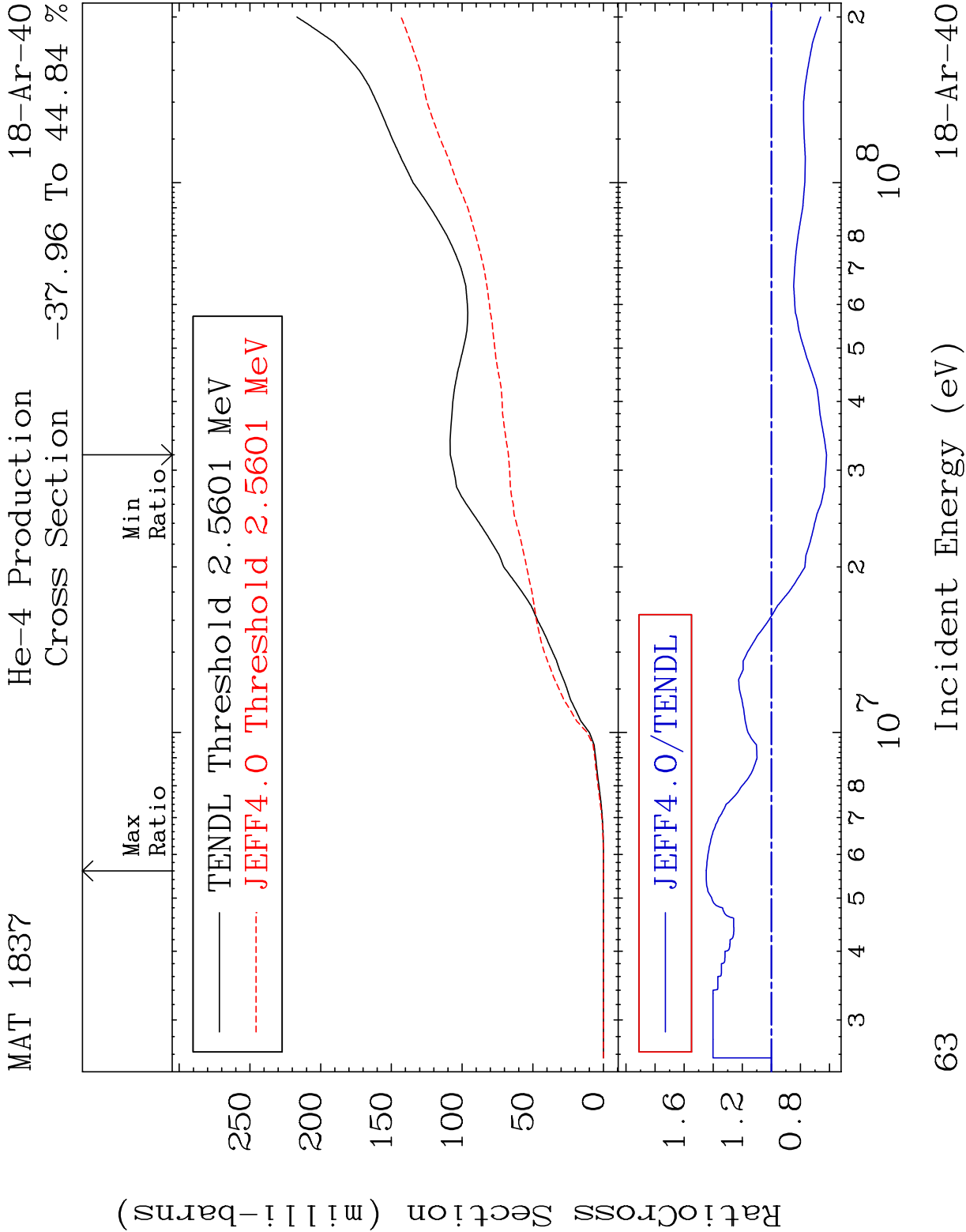
57 Incident Energy (eV) 18-Ar-40



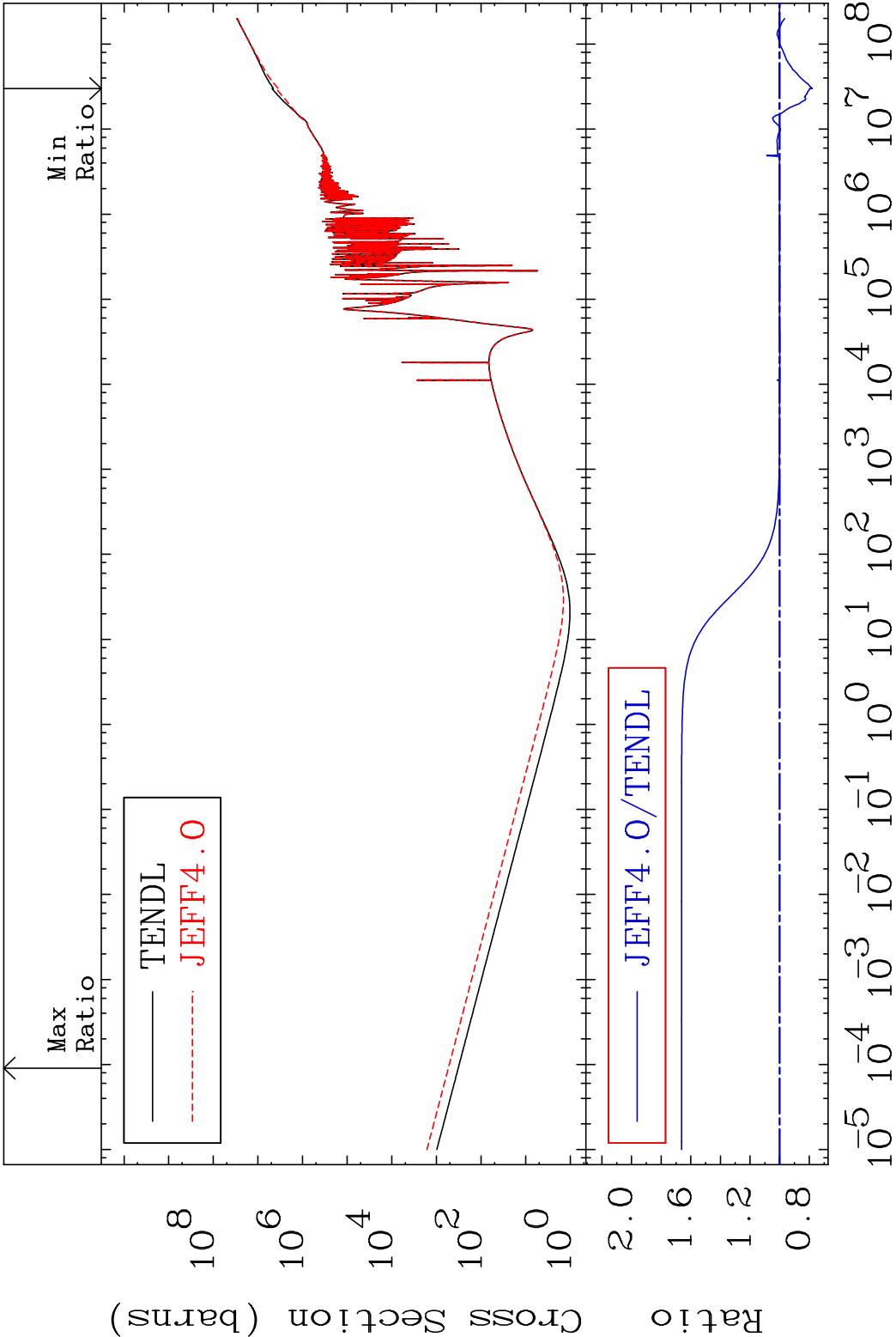








MAT 1837 Kerma total (eV-barns) 18-Ar-40
Cross Section -21.99 To 66.25 %

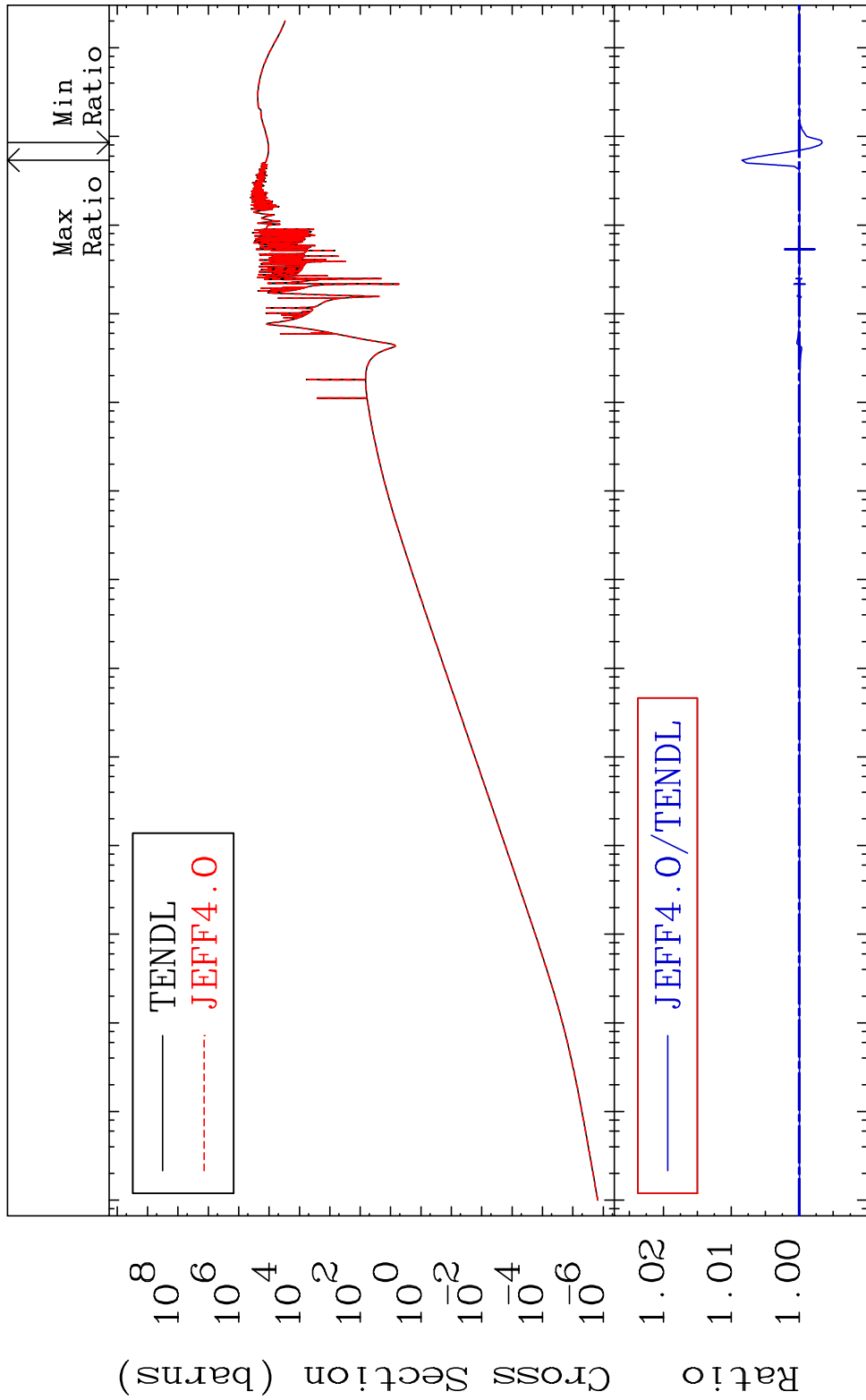


MAT 1837

Kerma elastic

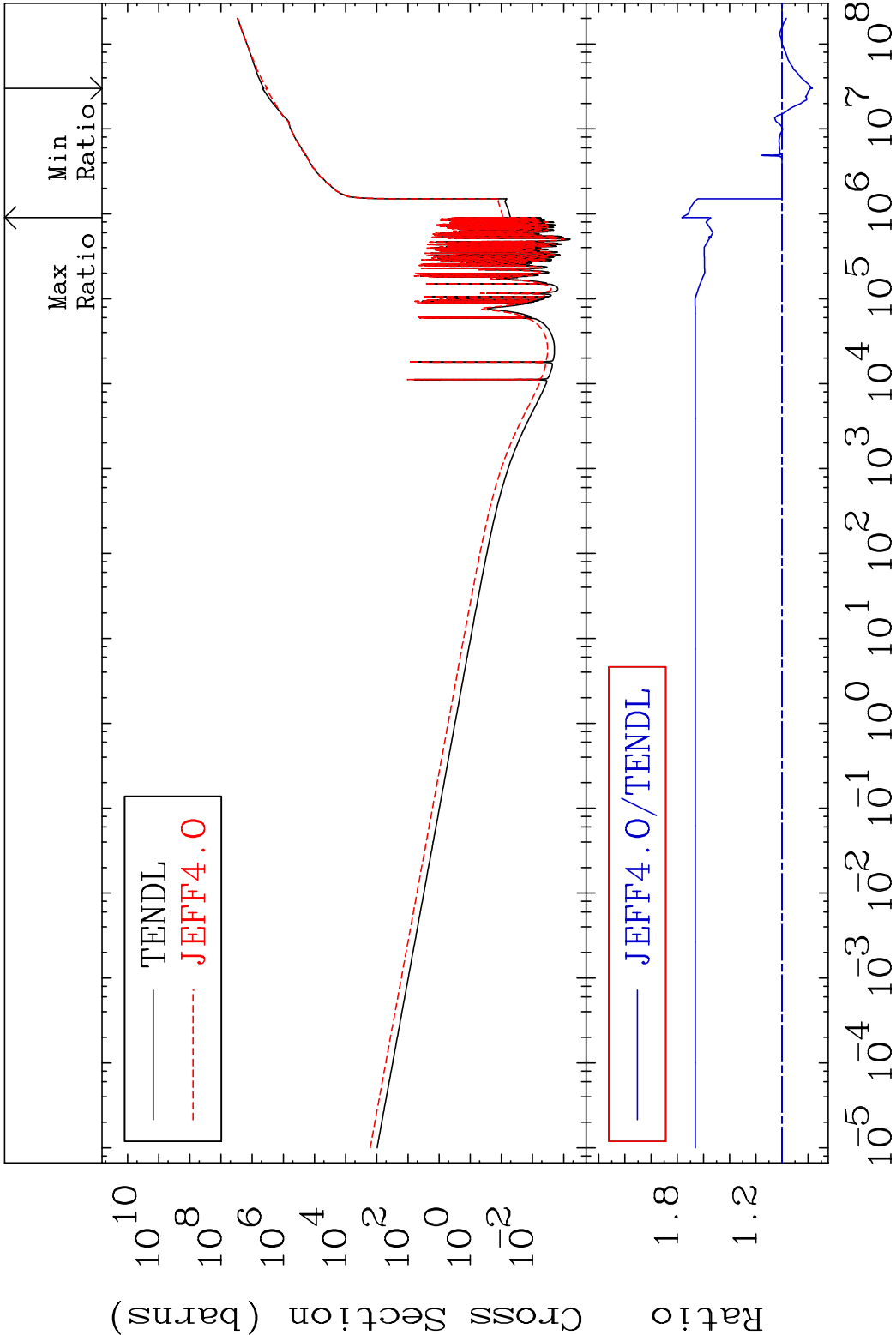
18-Ar-40

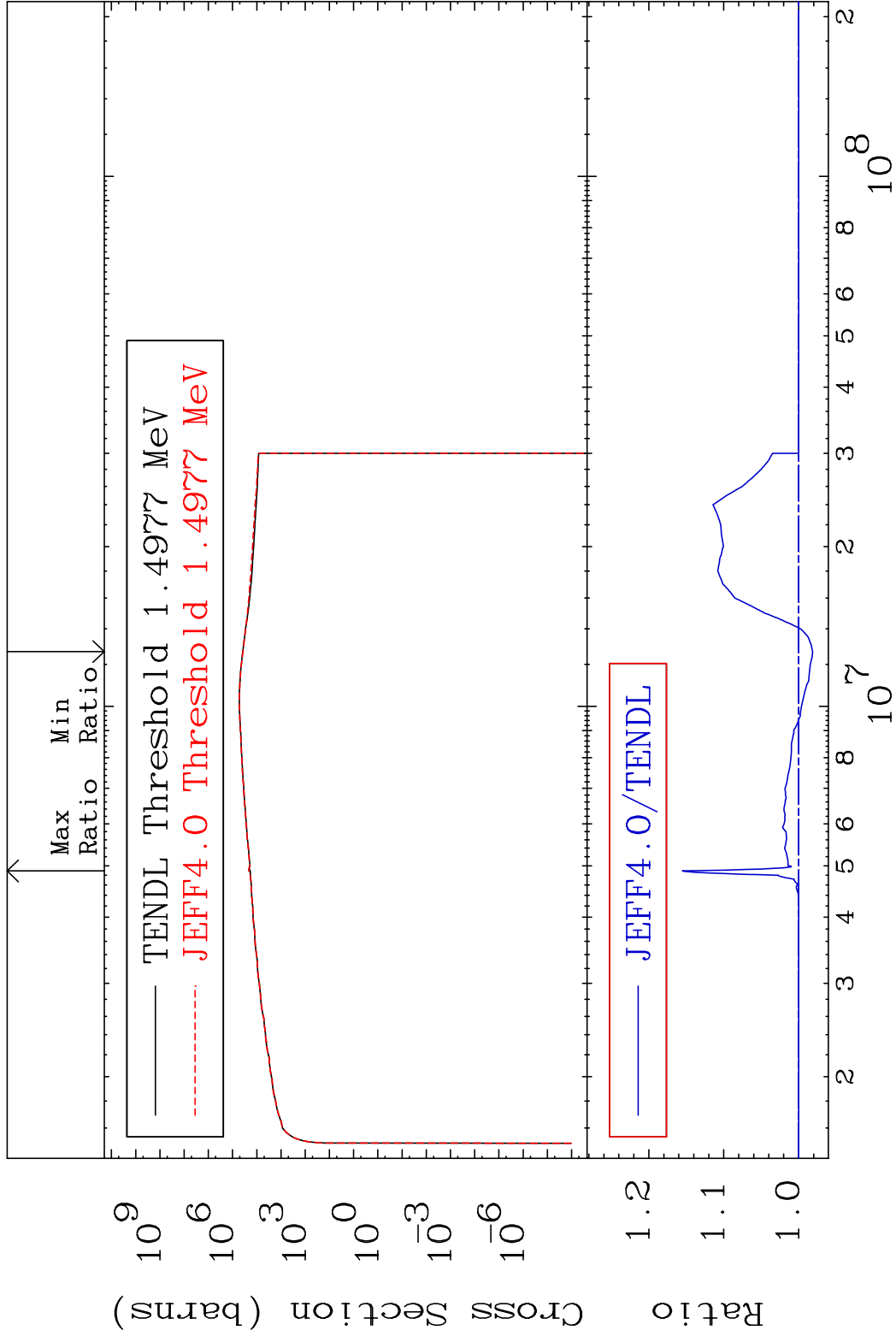
Cross Section -0.339 To 0.842 %



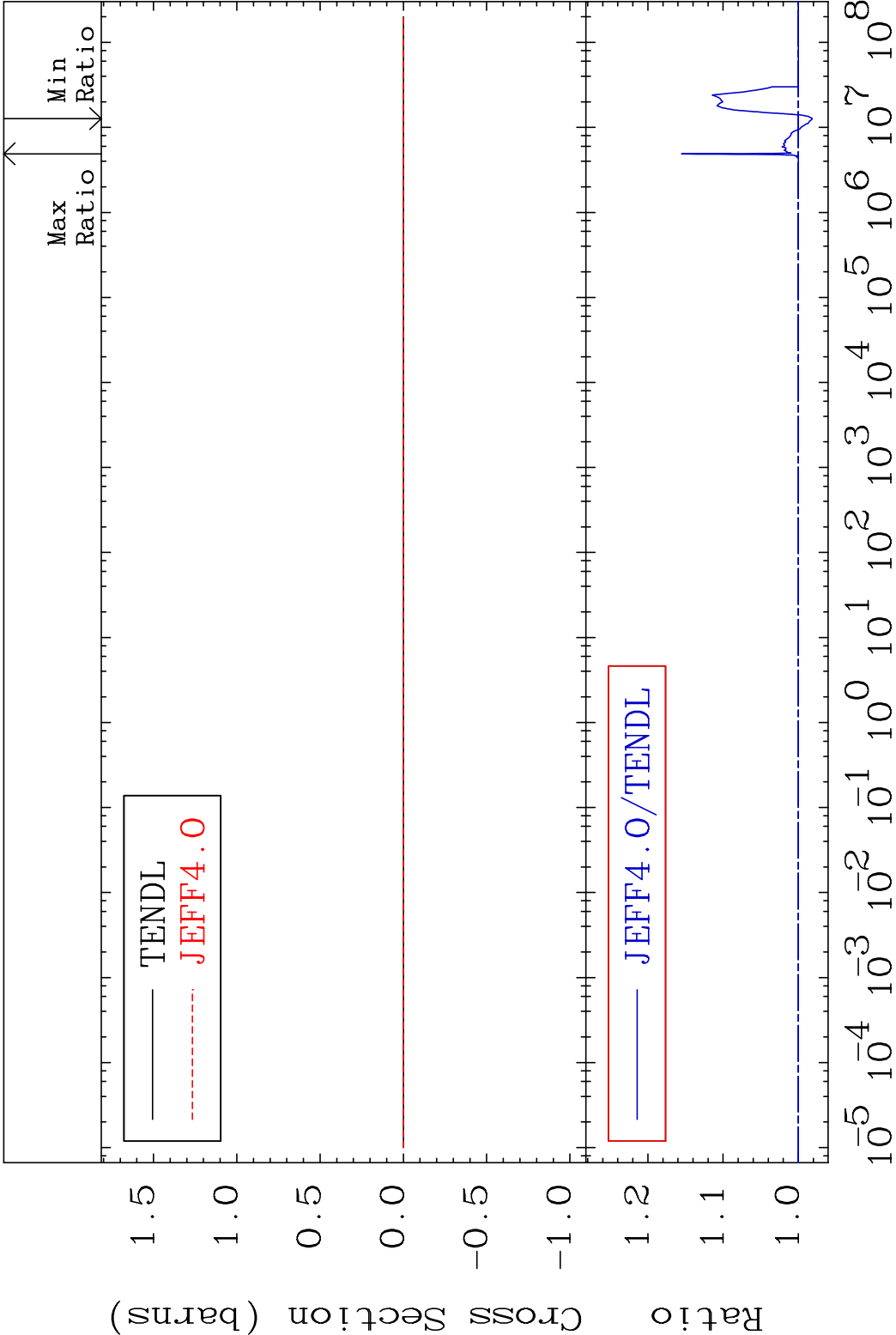
65

MAT 1837 Kerma non-elastic (all but mt2) 18-Ar-40
Cross Section -23.20 To 76.58 %

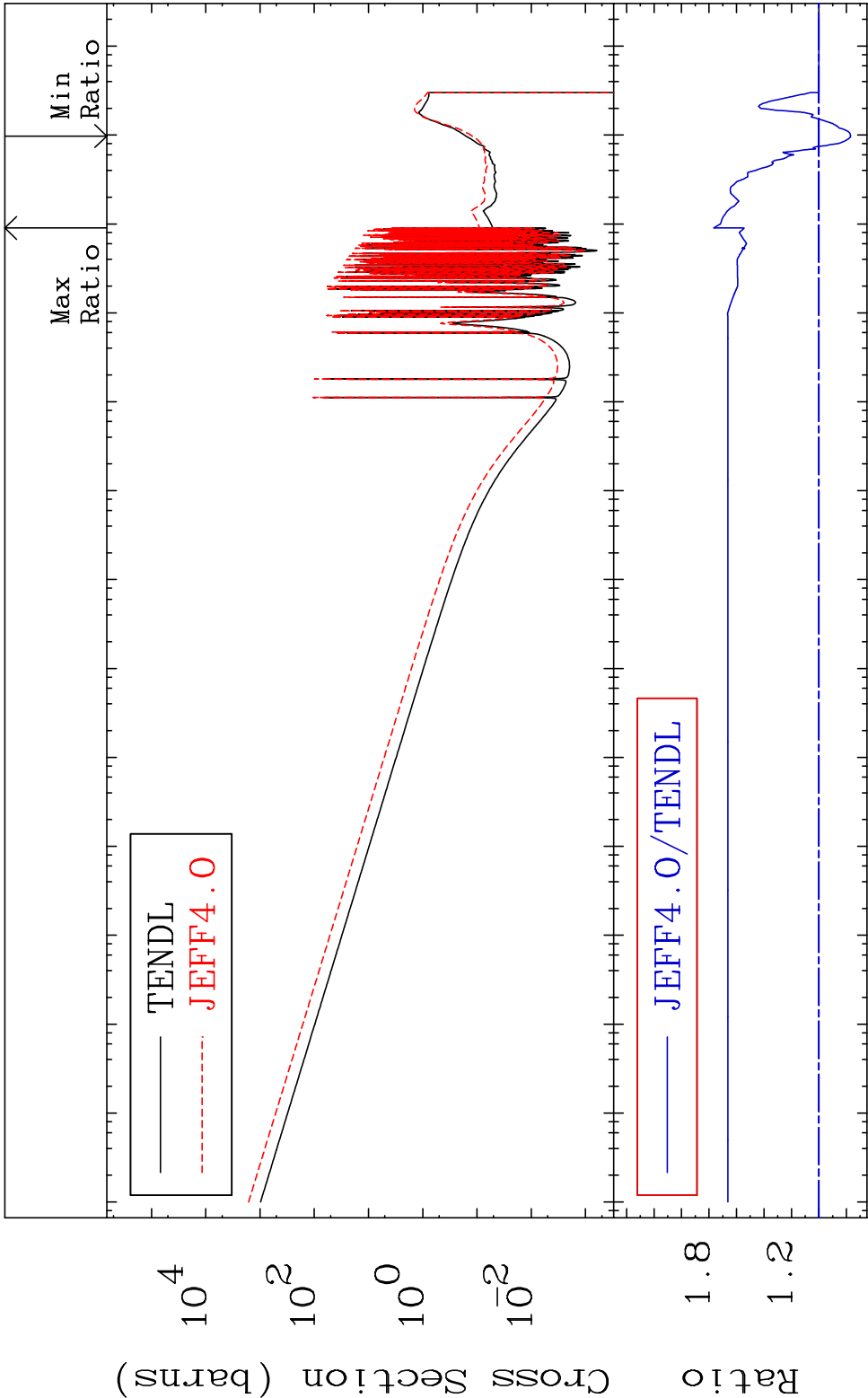




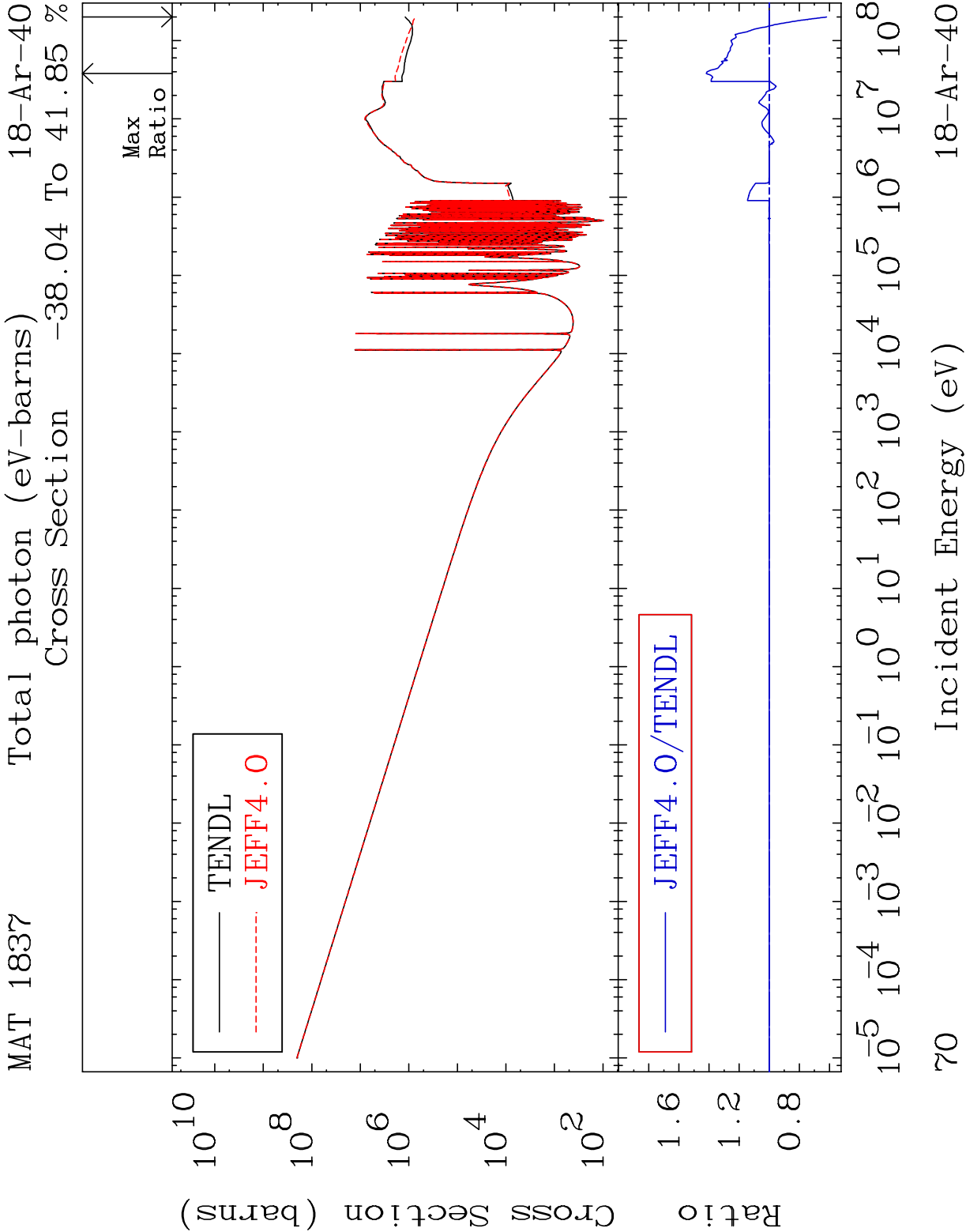
MAT 1837 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-40
Cross Section -1.852 To 15.53 %



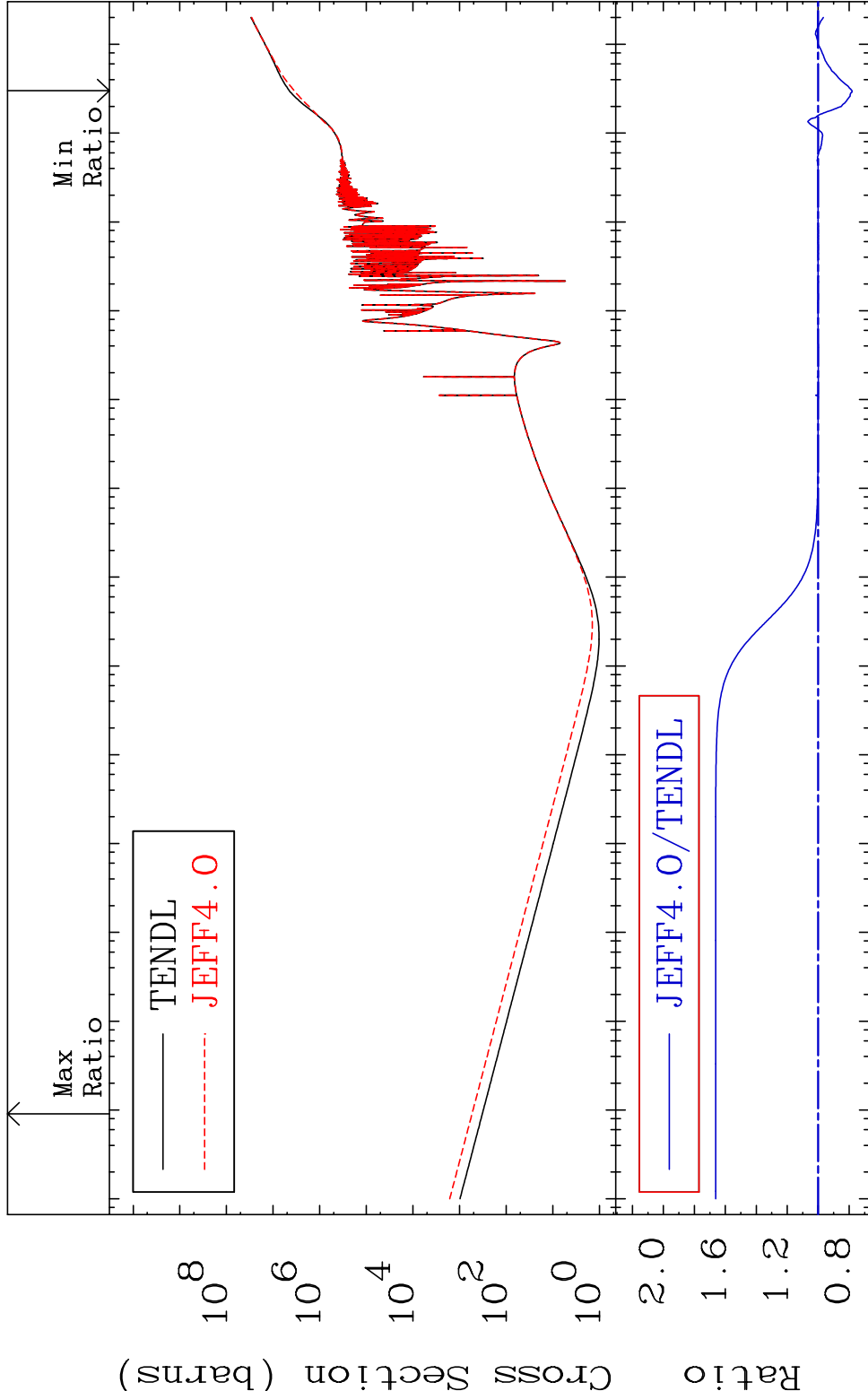
MAT 1837 Kerma capture (mt102) 18-Ar-40
Cross Section -22.91 To 76.58 %



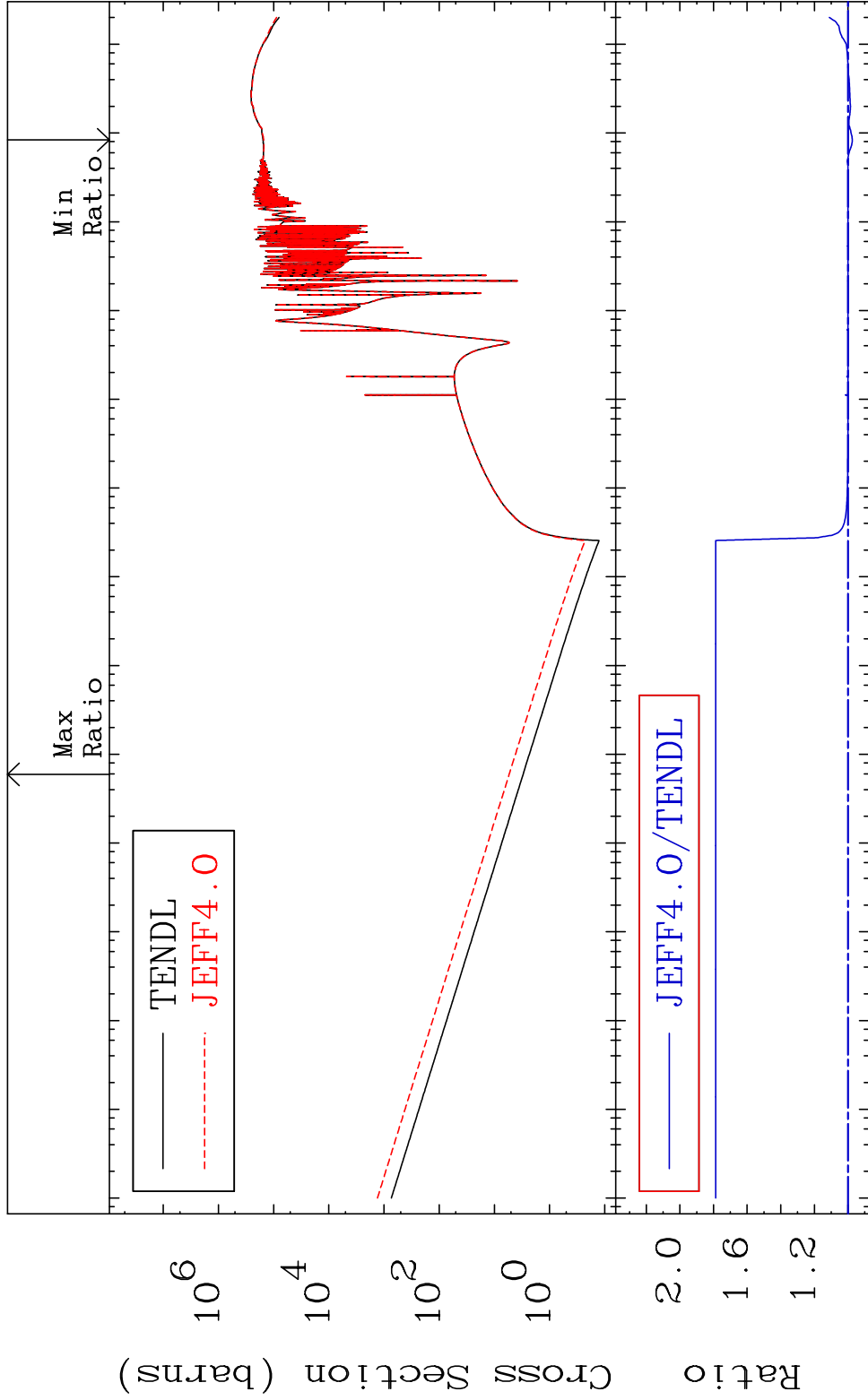
69 Incident Energy (eV) 18-Ar-40



MAT 1837 Total kinematic kerma (high limit) 18-Ar-40
Cross Section -21.99 To 66.25 %



MAT 1837 Dpa total (eV-barns) 18-Ar-40
Cross Section -2.519 To 78.72 %



72 Incident Energy (eV) 18-Ar-40

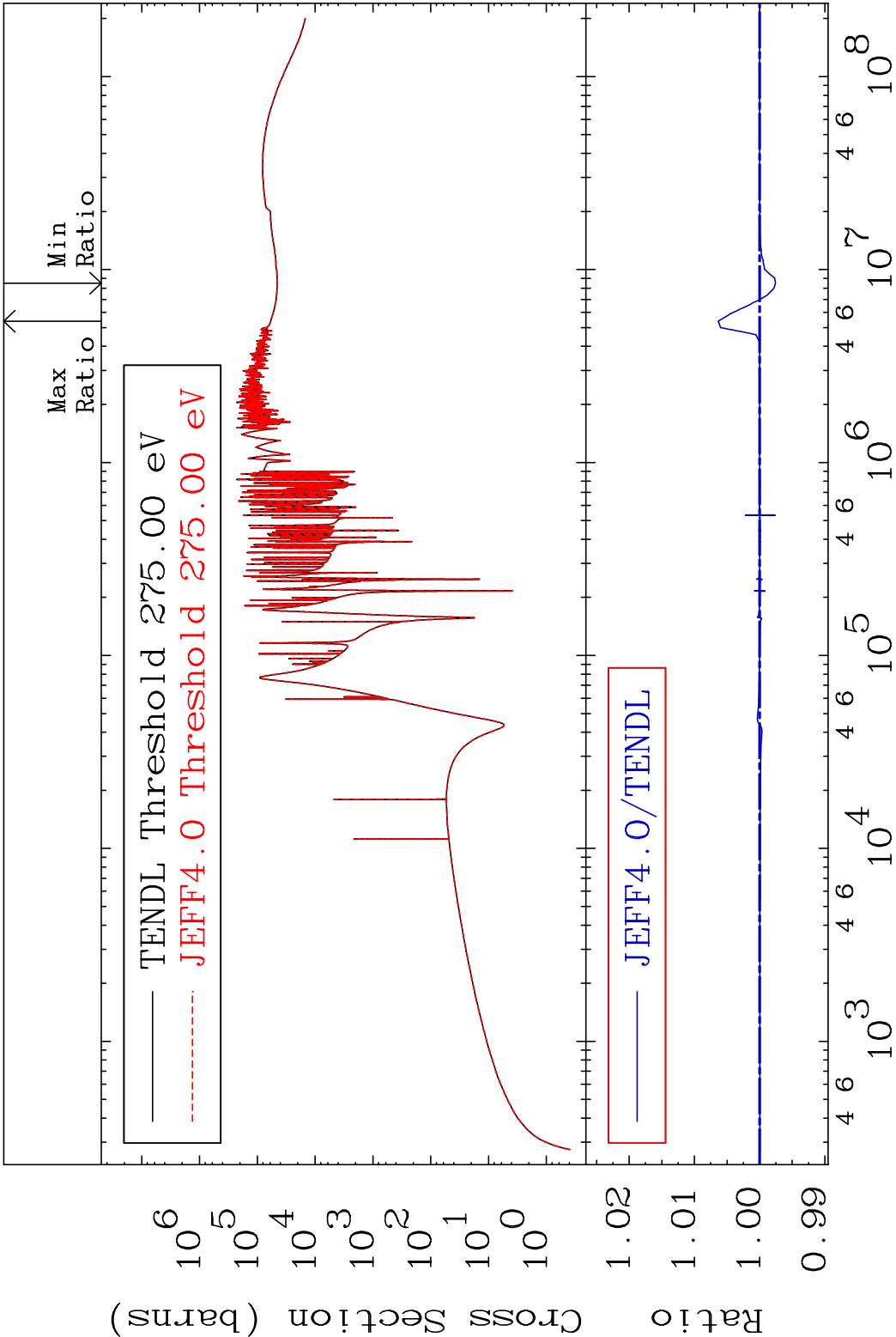
MAT 1837

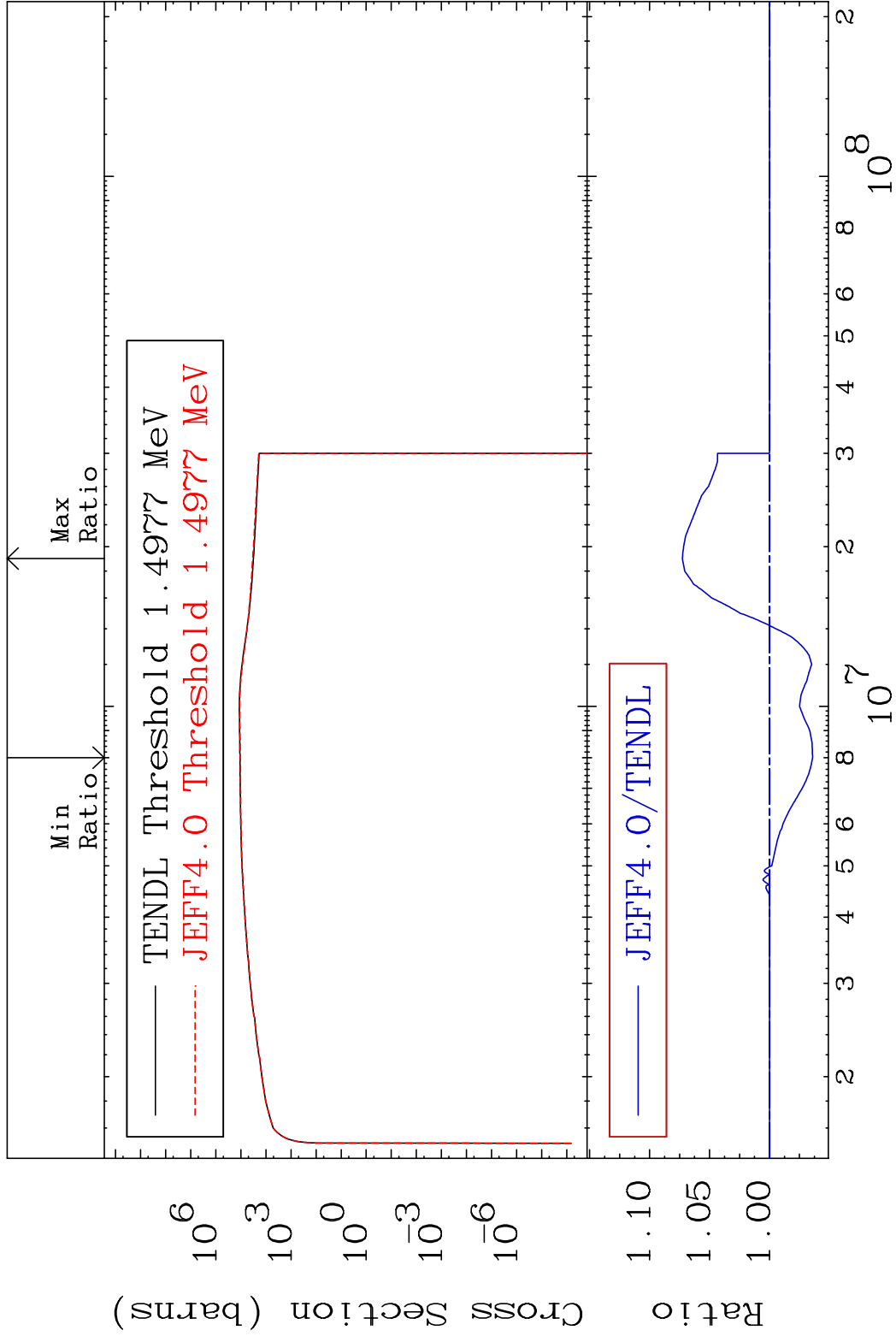
Dpa elastic (mt2)

18-Ar-40

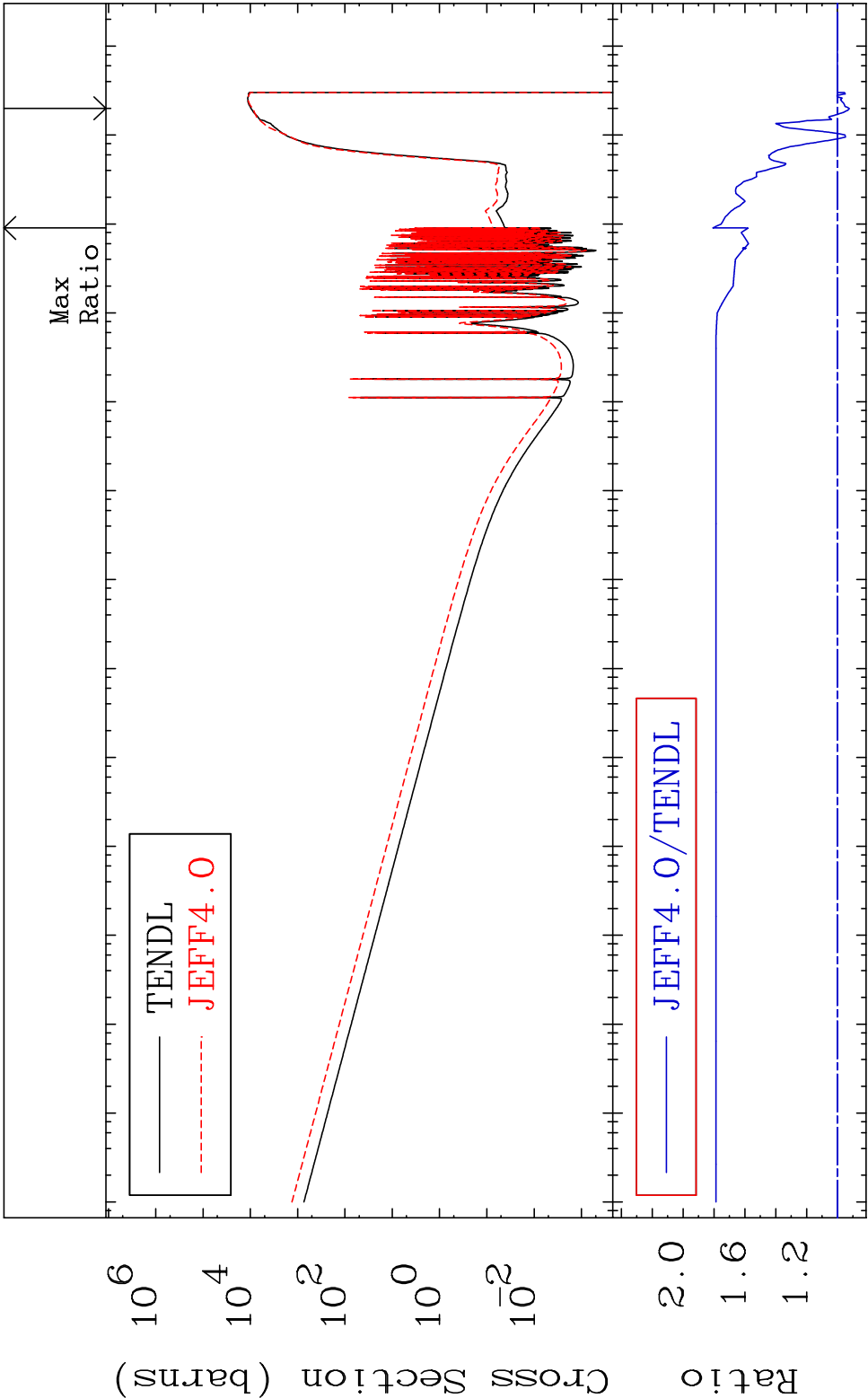
Cross Section

-0.244 To 0.634 %





MAT 1837 Dpa disappearance (mt102 -120) 18-Ar-40
Cross Section -7.811 To 80.76 %



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
75 Incident Energy (eV) 18-Ar-40

