

Program Complot
(Version 2021-1)

by

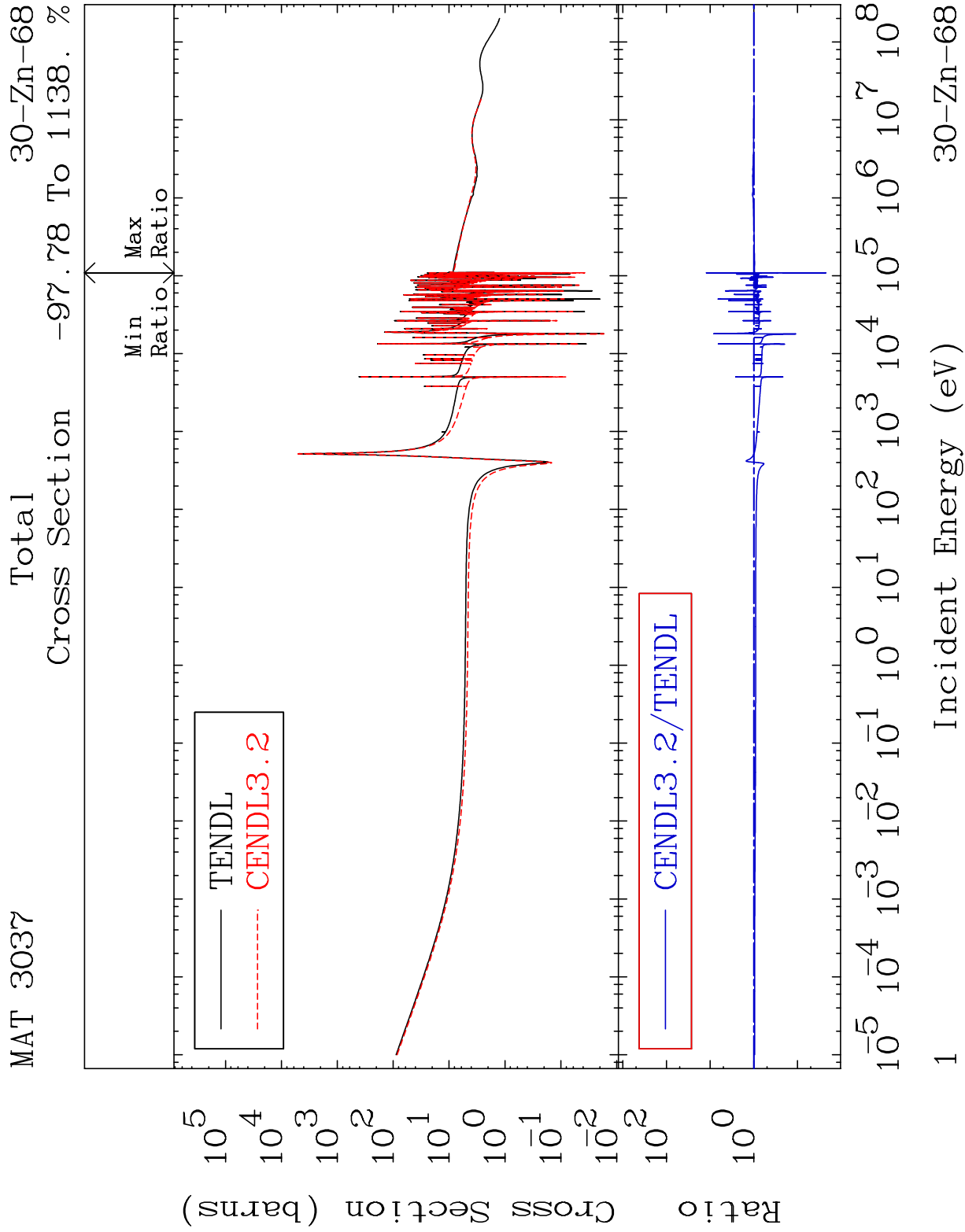
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(Present Contact Information)

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Press Mouse Button to Start

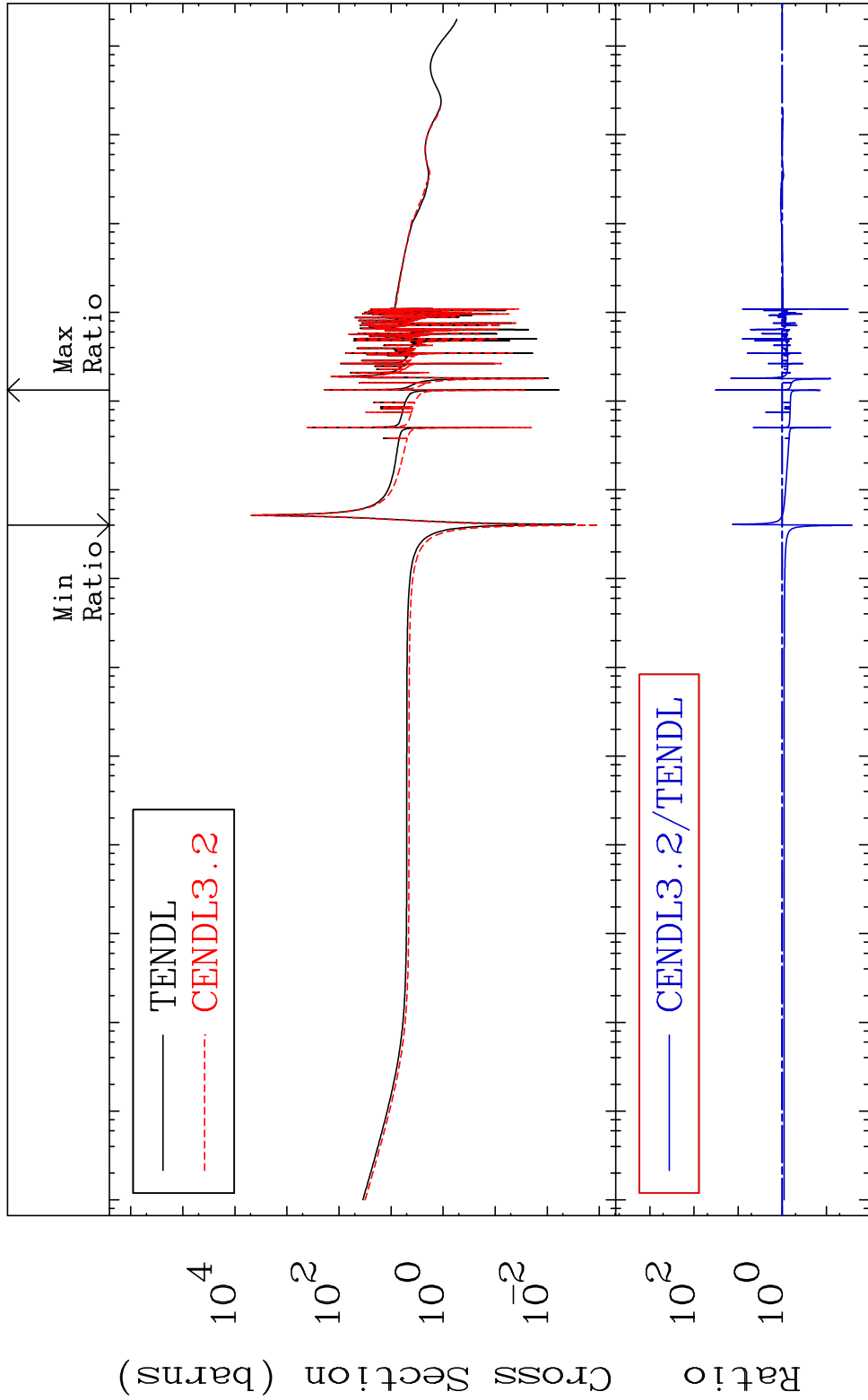


MAT 3037

Elastic

30-Zn-68

Cross Section -97.40 To 3124. %

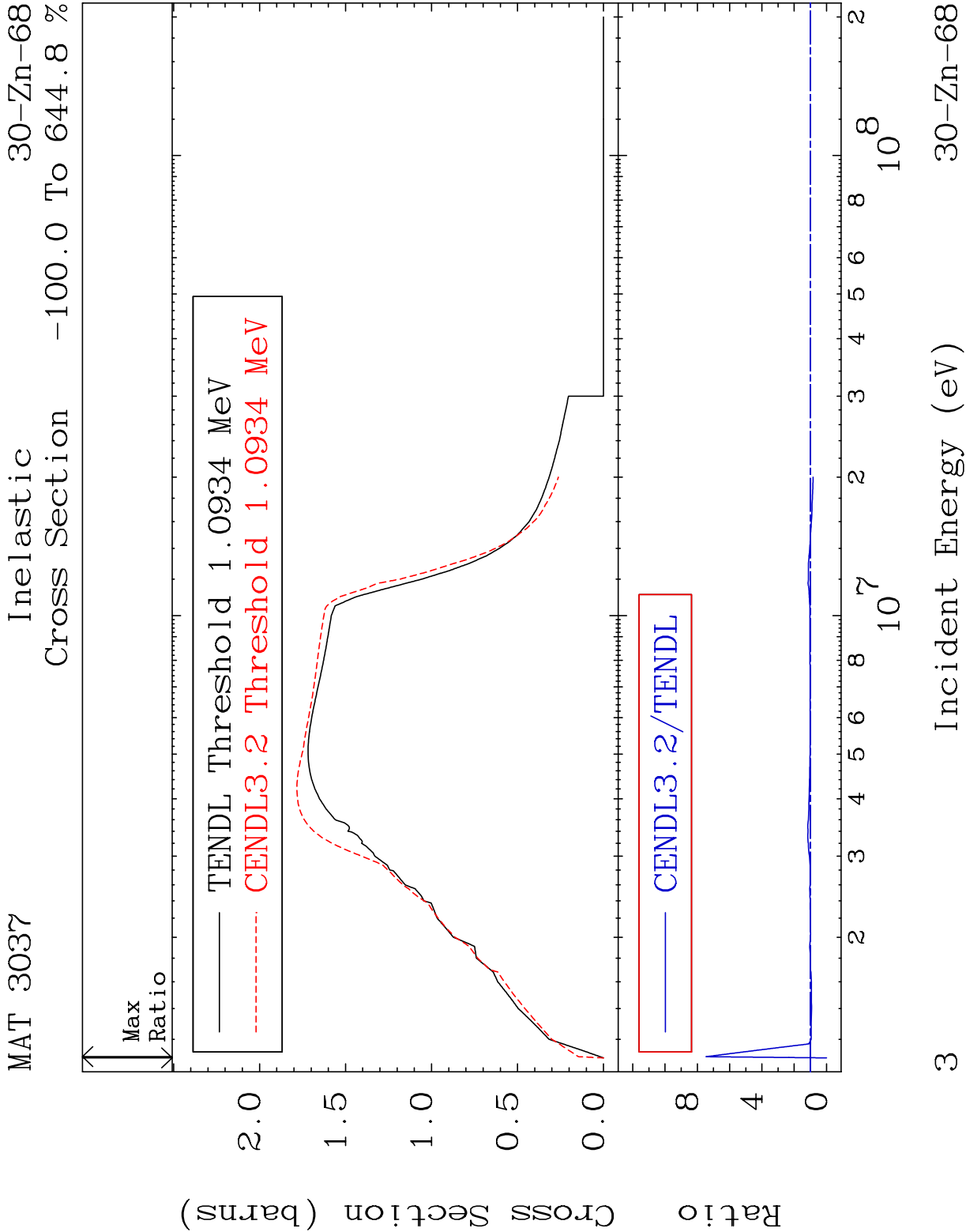


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

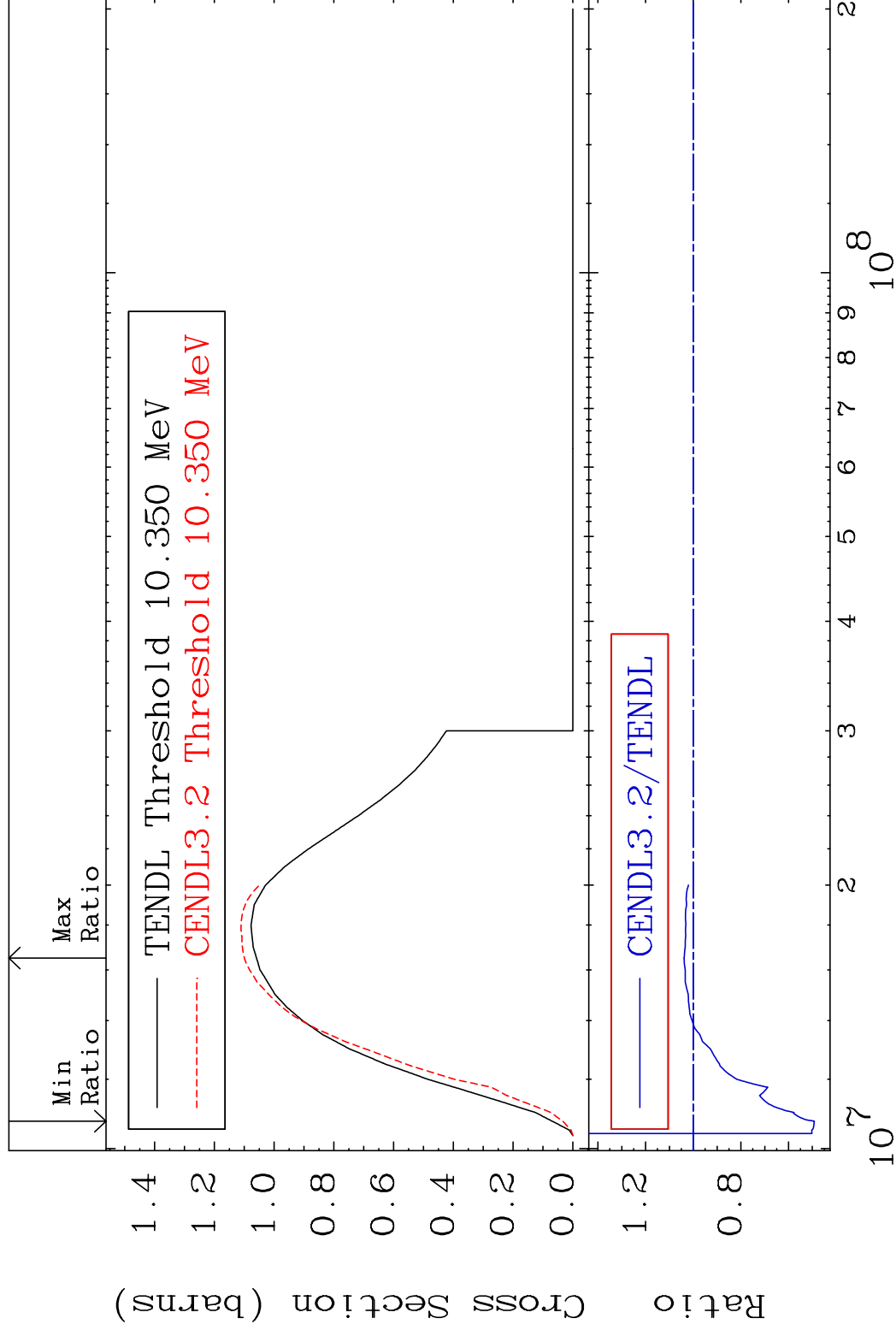
30-Zn-68



MAT 3037

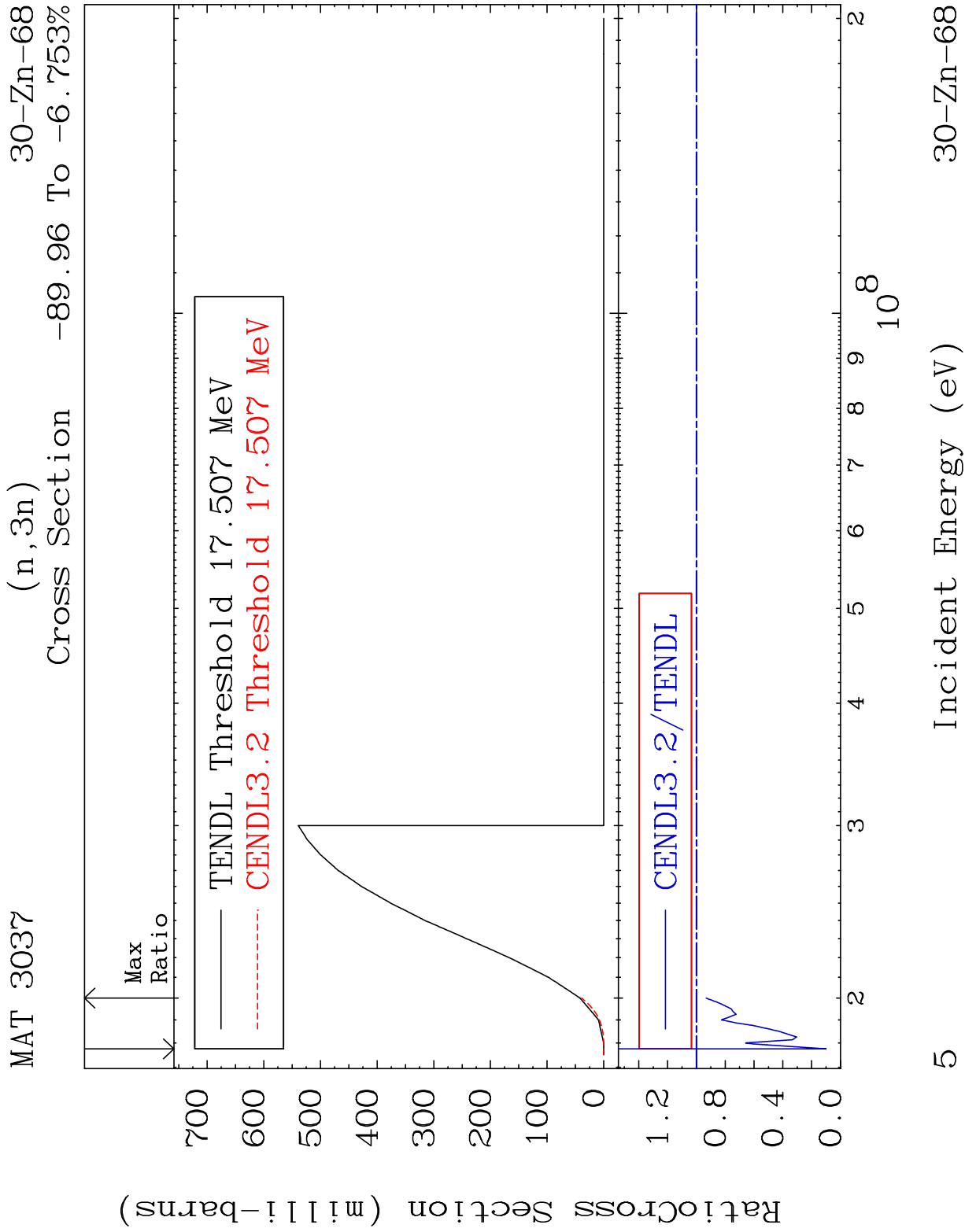
$$(n, 2n)$$
 $^{30}\text{Zn-68}$

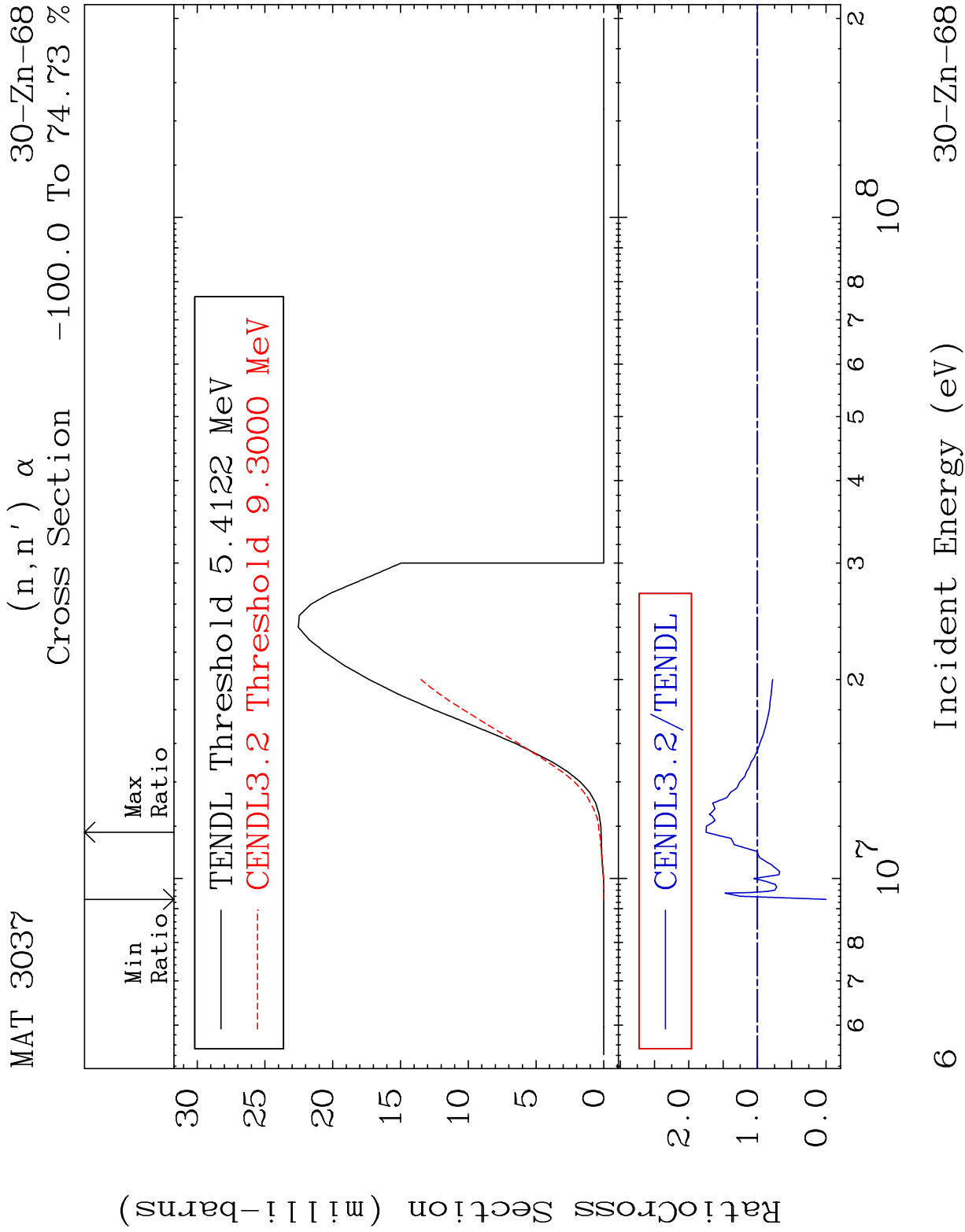
Cross Section -50.79 To 3.852 %

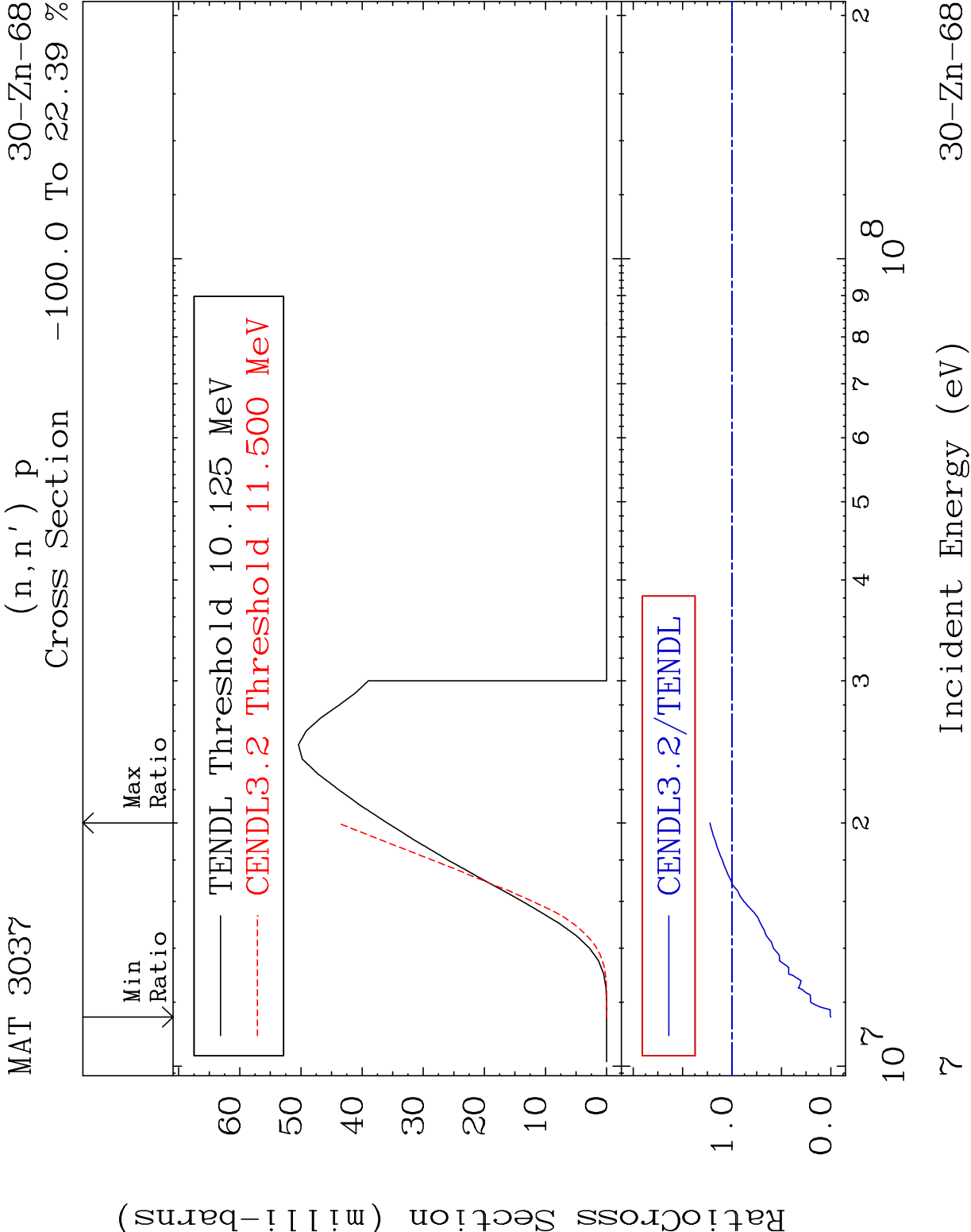


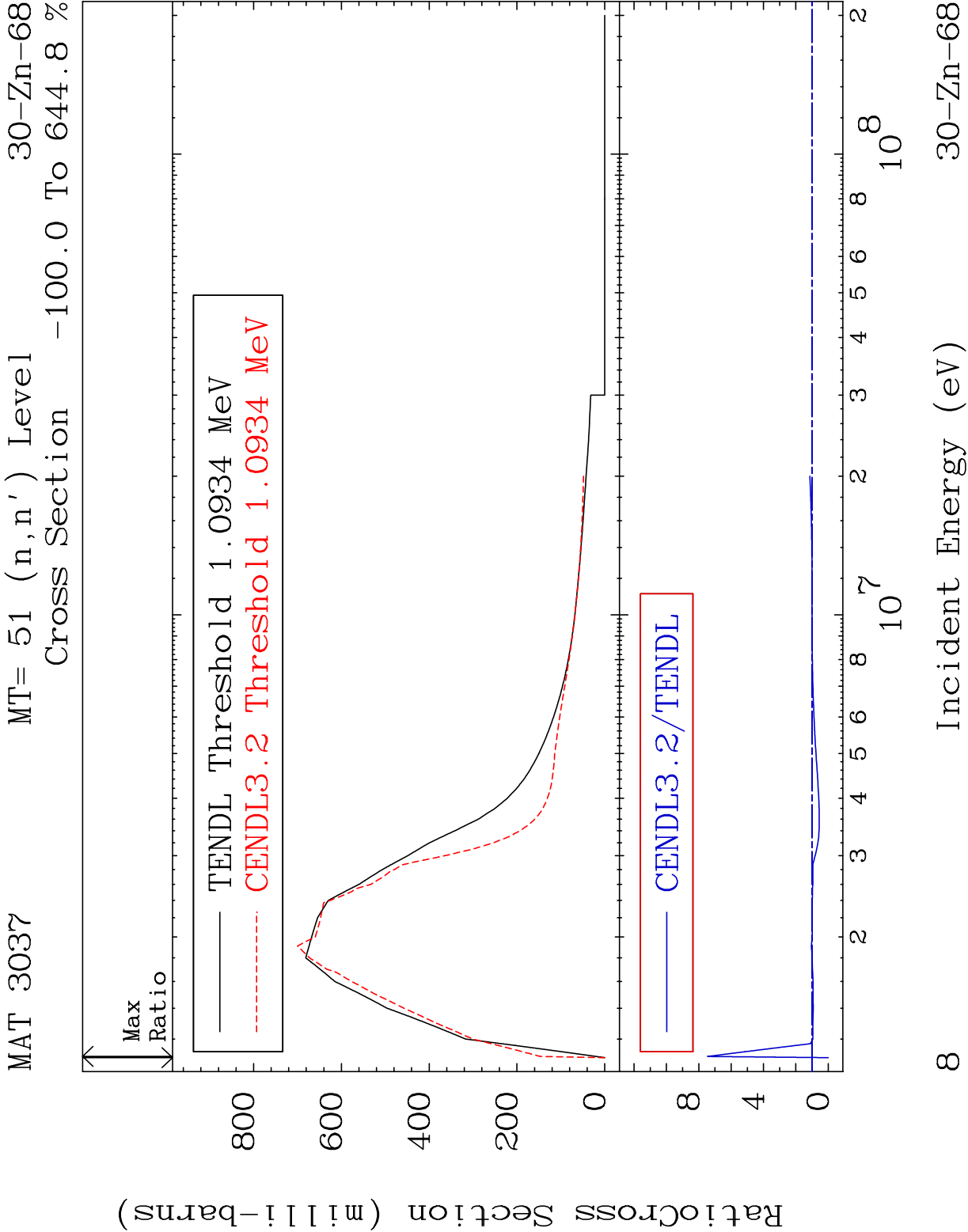
Incident Energy (eV)

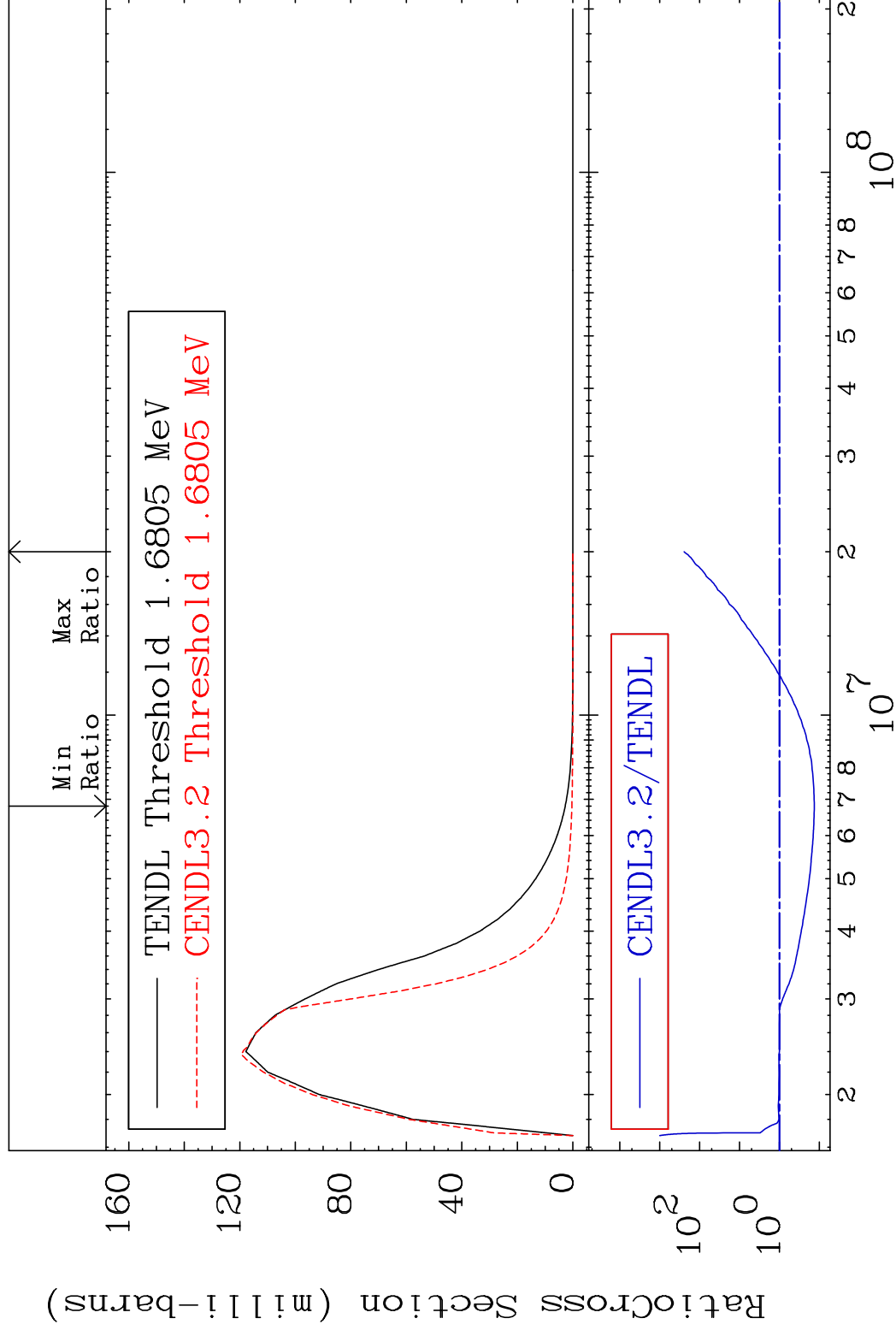
30-Zn-68









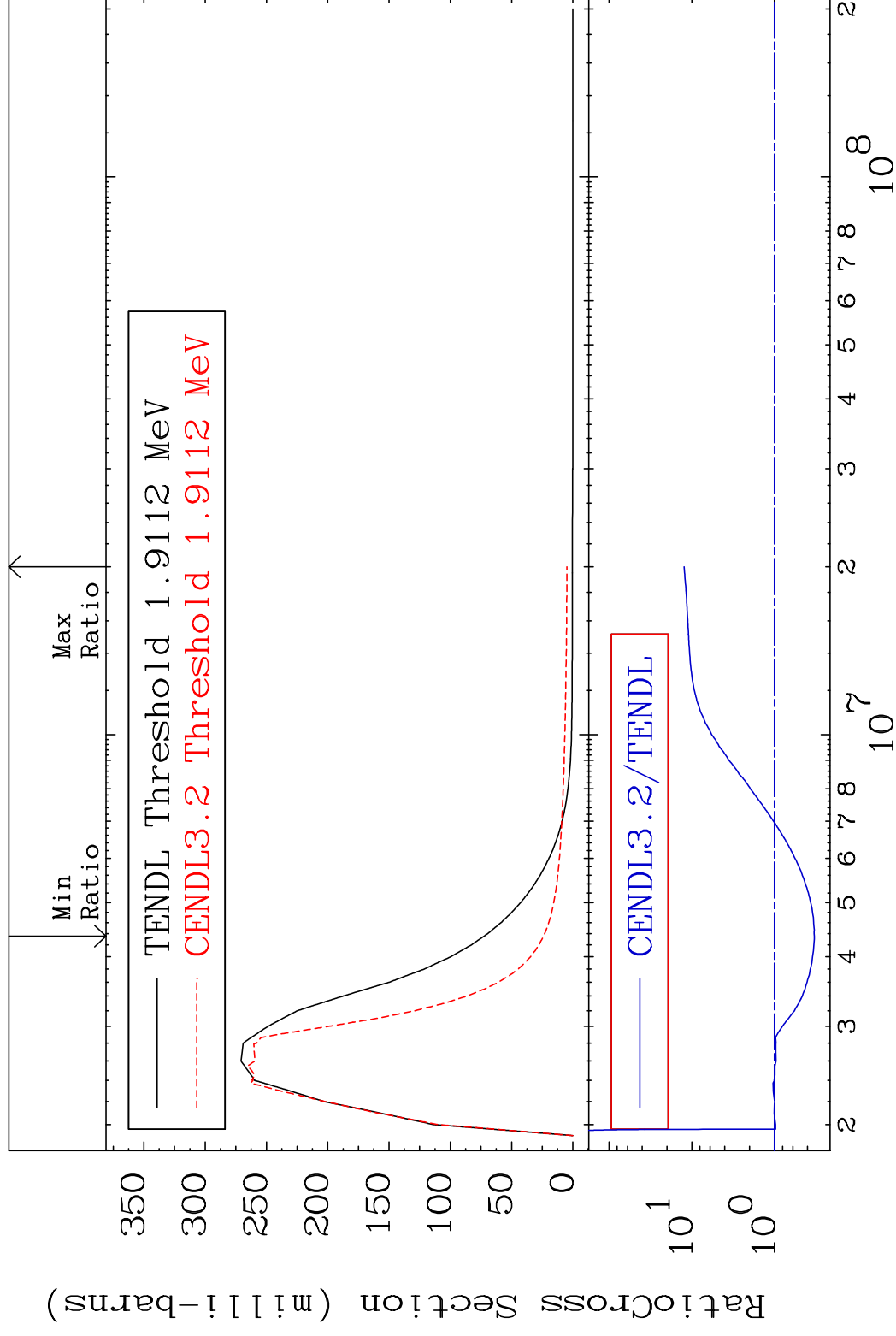


MAT 3037

MT= 53 (n, n') Level

30-Zn-68

Cross Section -66.93 To 1141. %

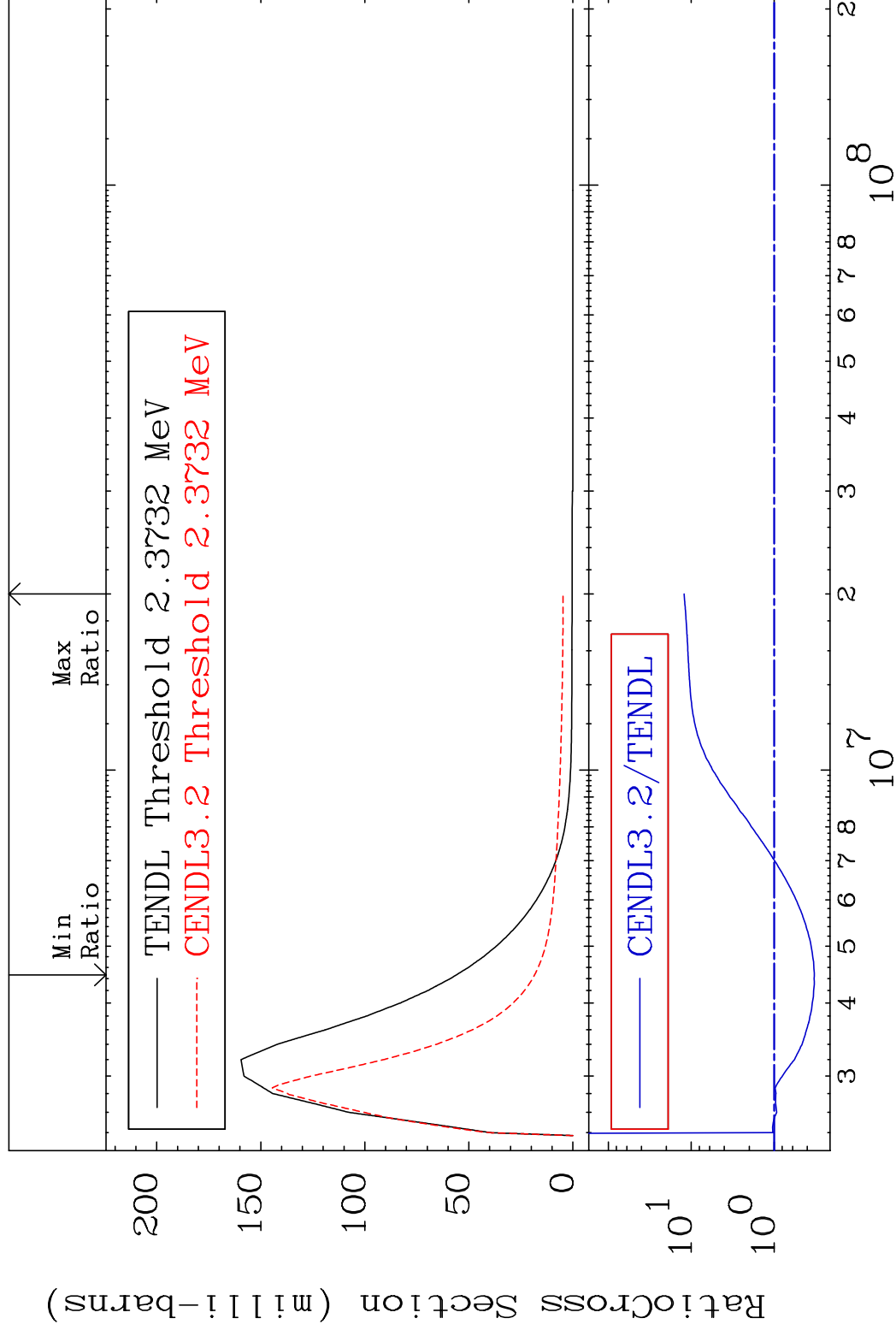


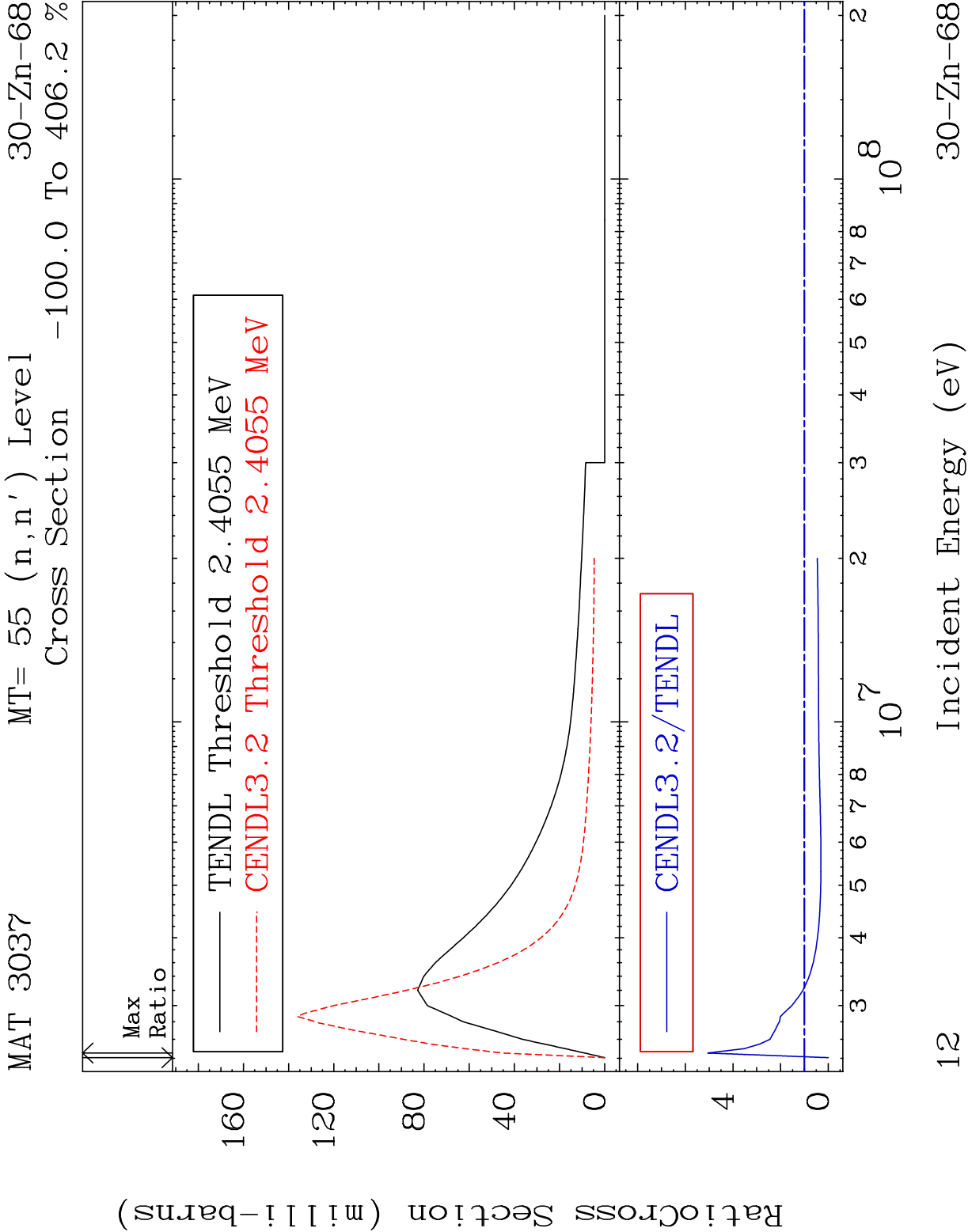
MAT 3037

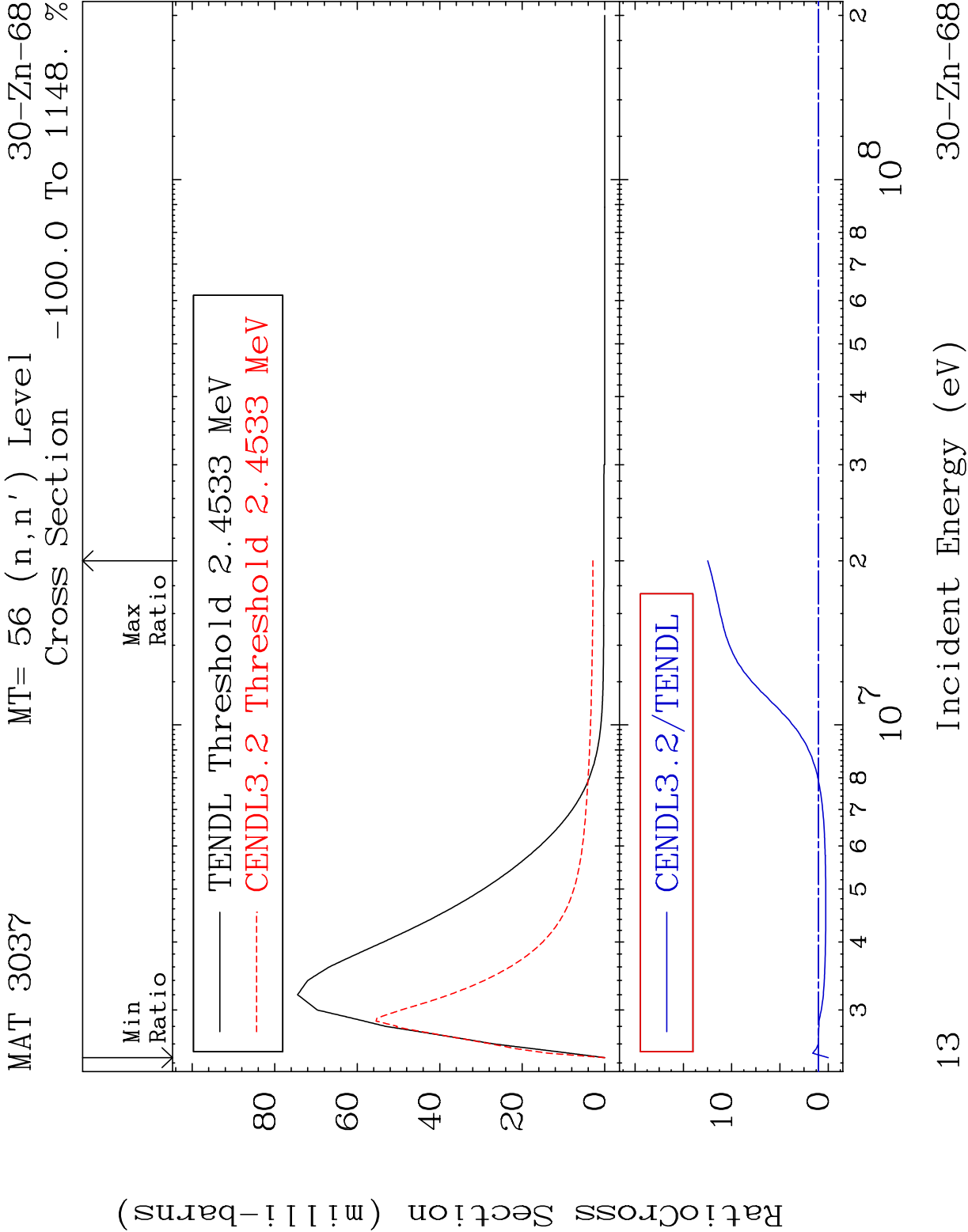
MT= 54 (n, n') Level

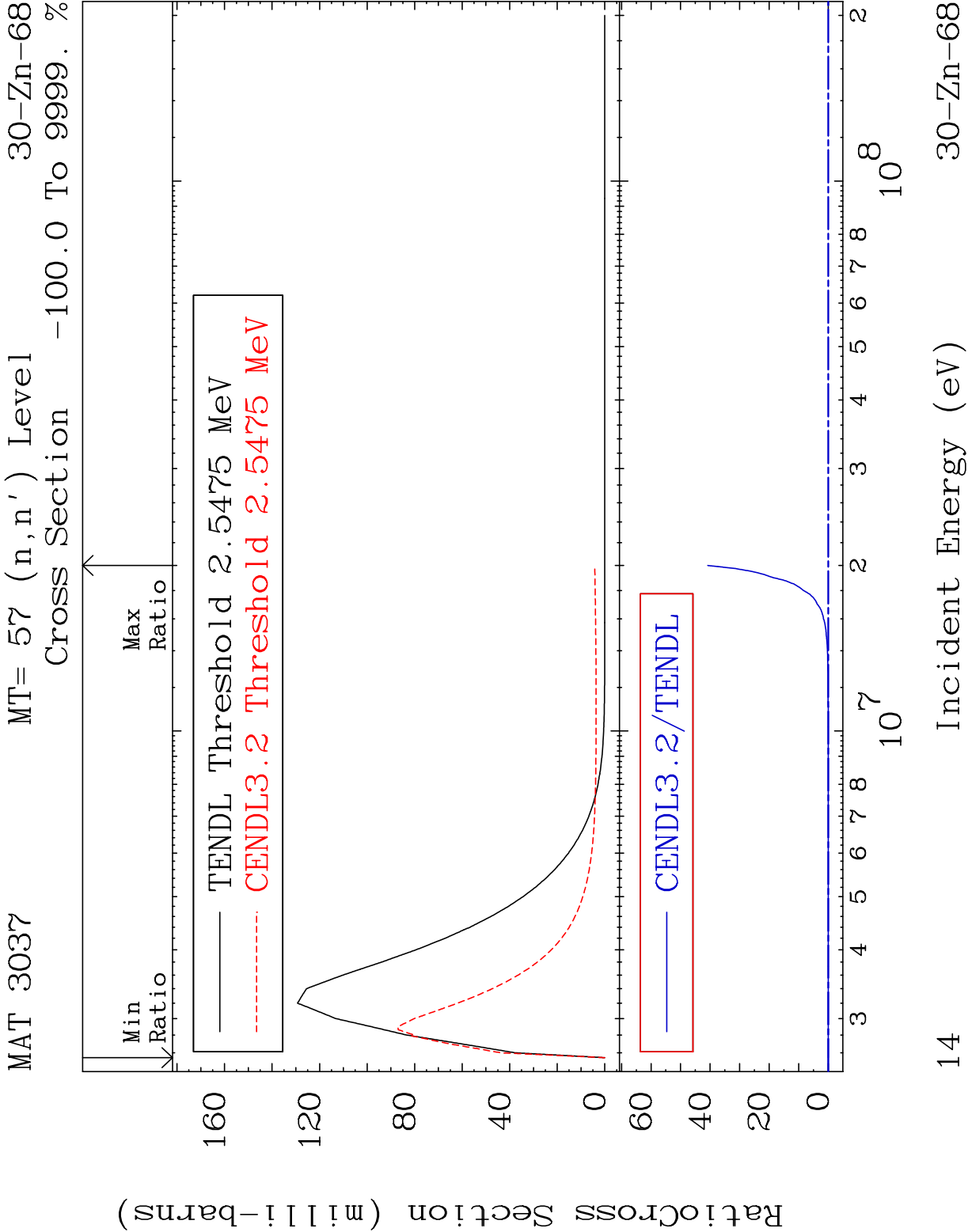
 $^{30}\text{Zn}-^{68}$

Cross Section -67.16 To $1121. \%$

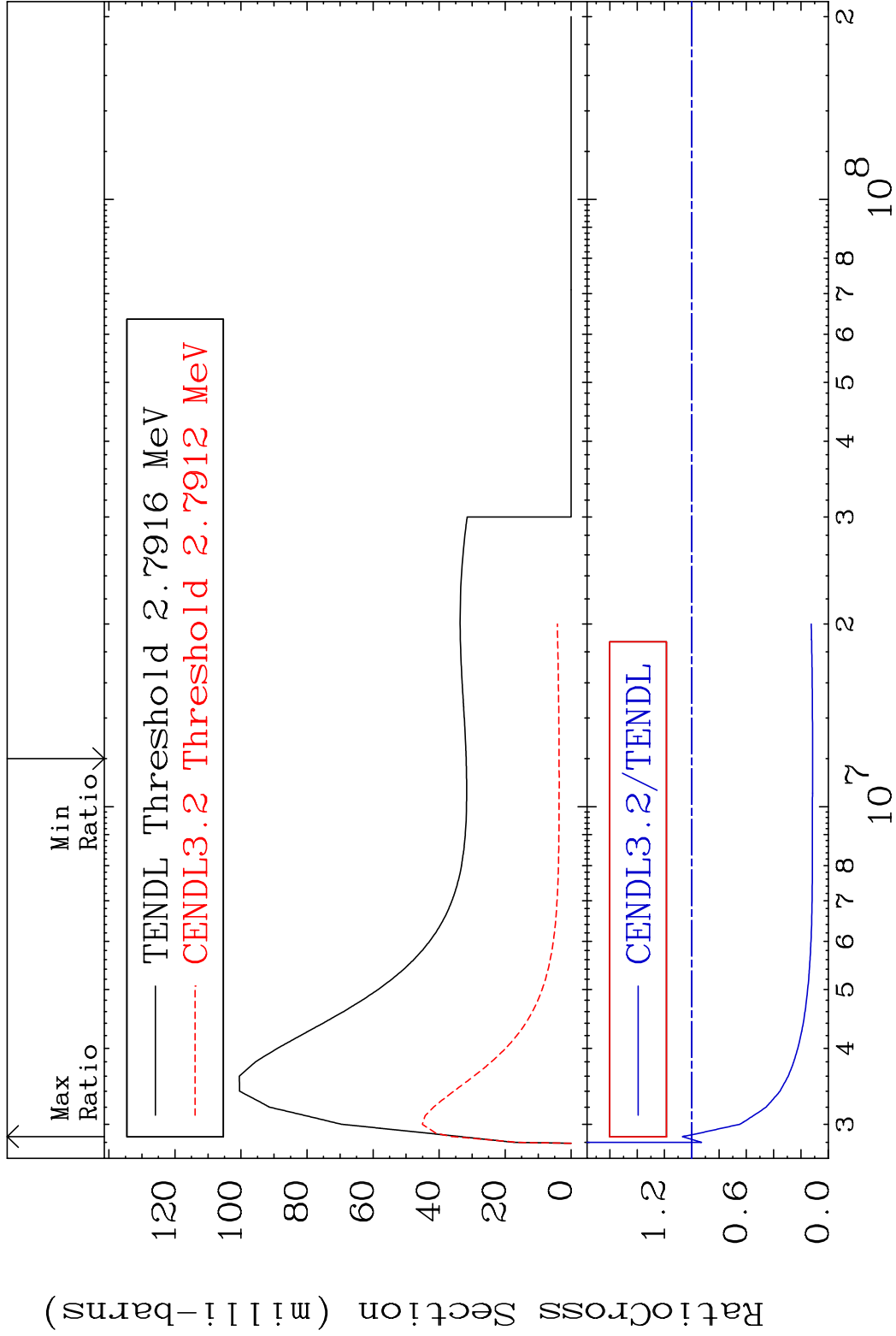








MAT 3037 MT= 58 (n,n') Level 30-Zn-68
Cross Section -88.52 To 6.902 %



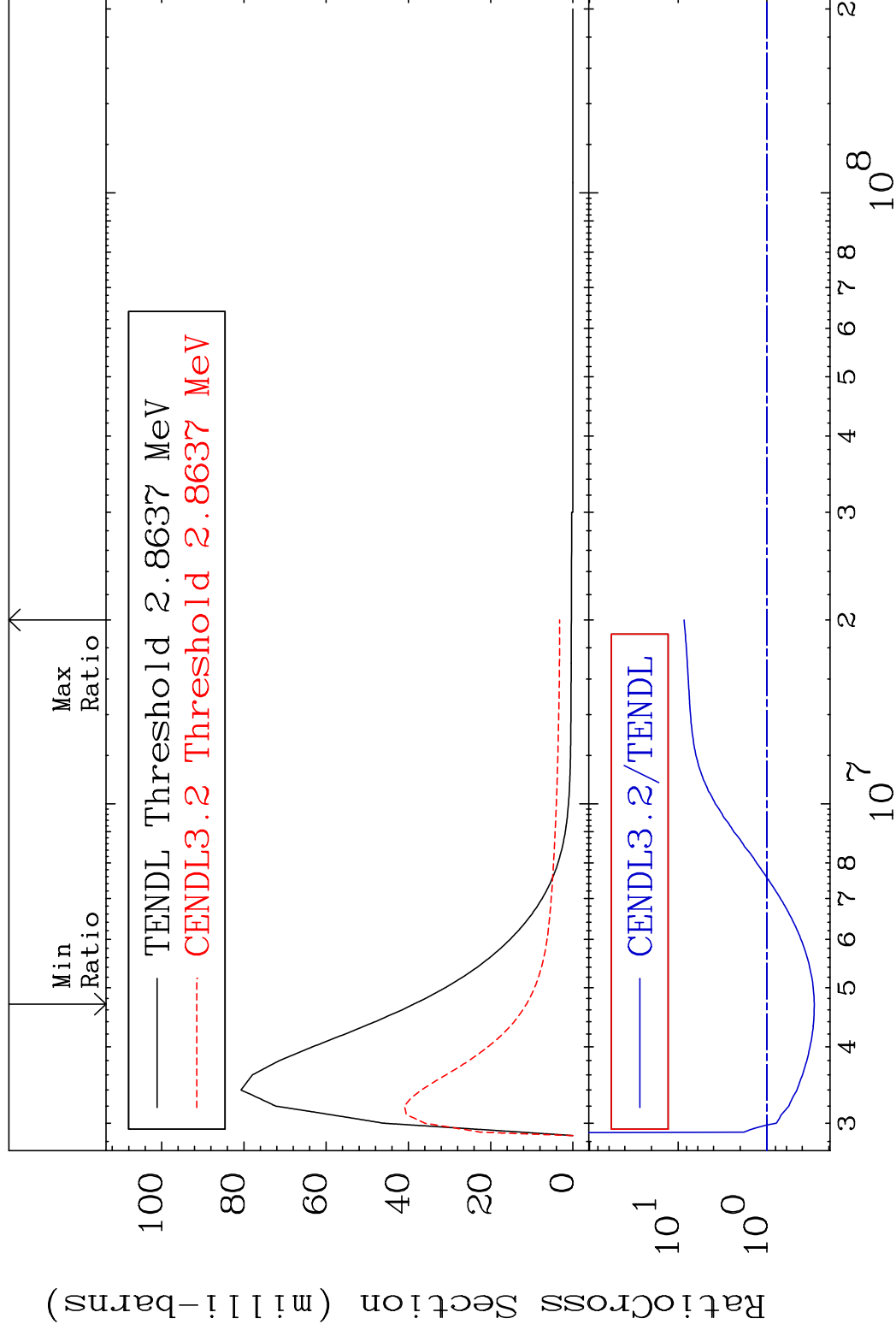
15 Incident Energy (eV) 30-Zn-68

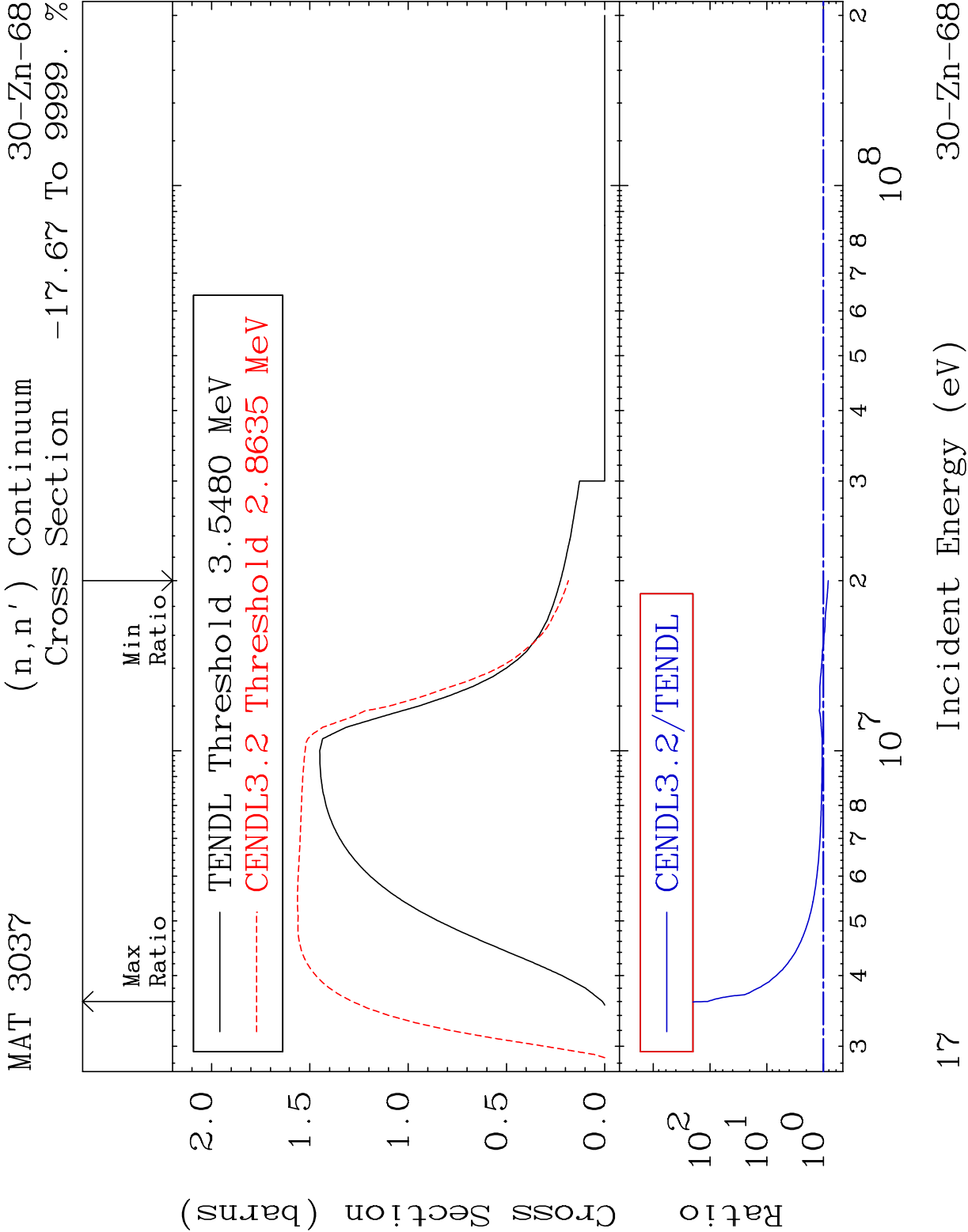
MAT 3037

MT= 59 (n, n') Level

 $^{30}\text{Zn-68}$

Cross Section -70.80 To 757.1%





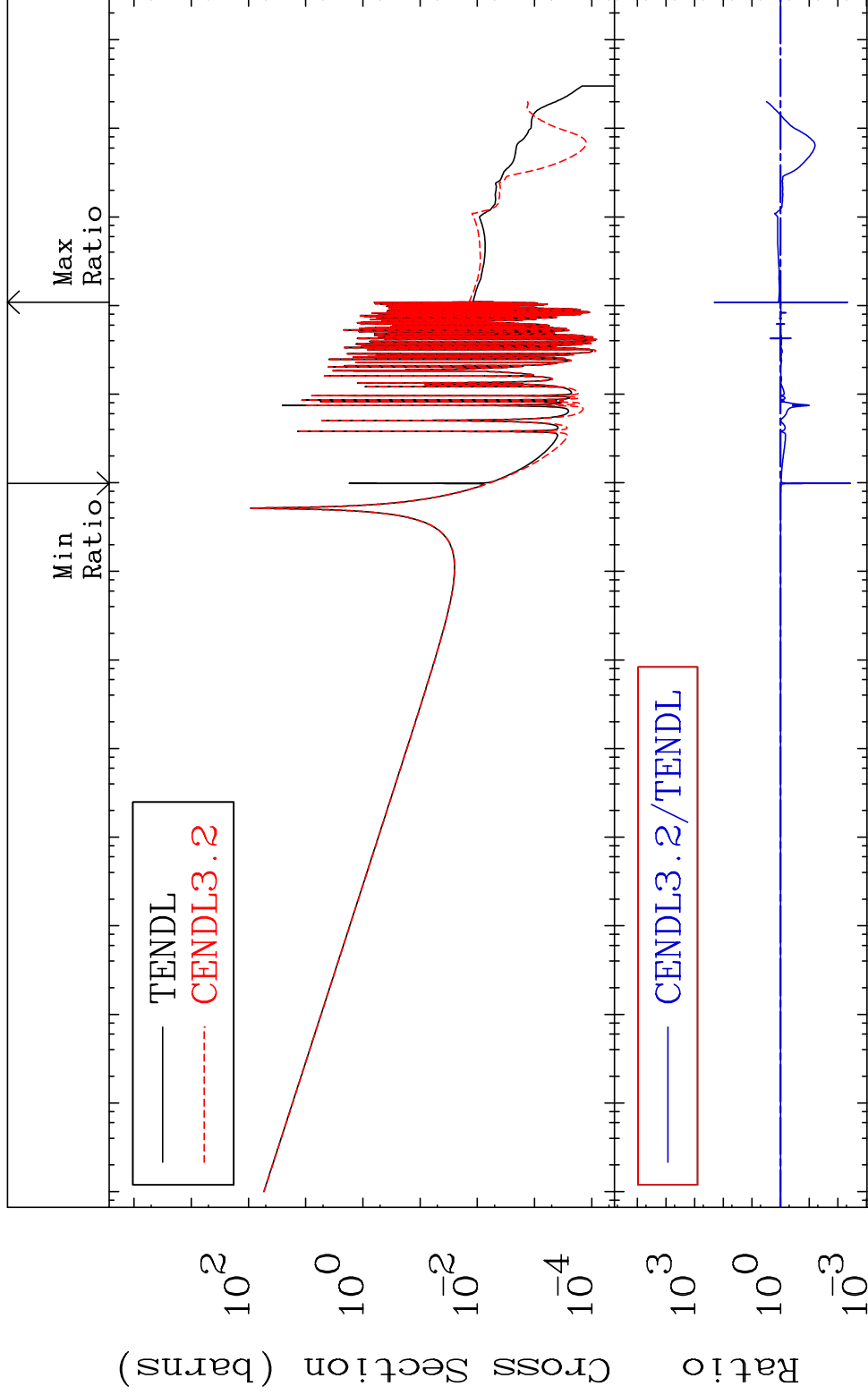
MAT 3037

(n, γ)

30-Zn-68

Cross Section

-99.64 To 9999. %

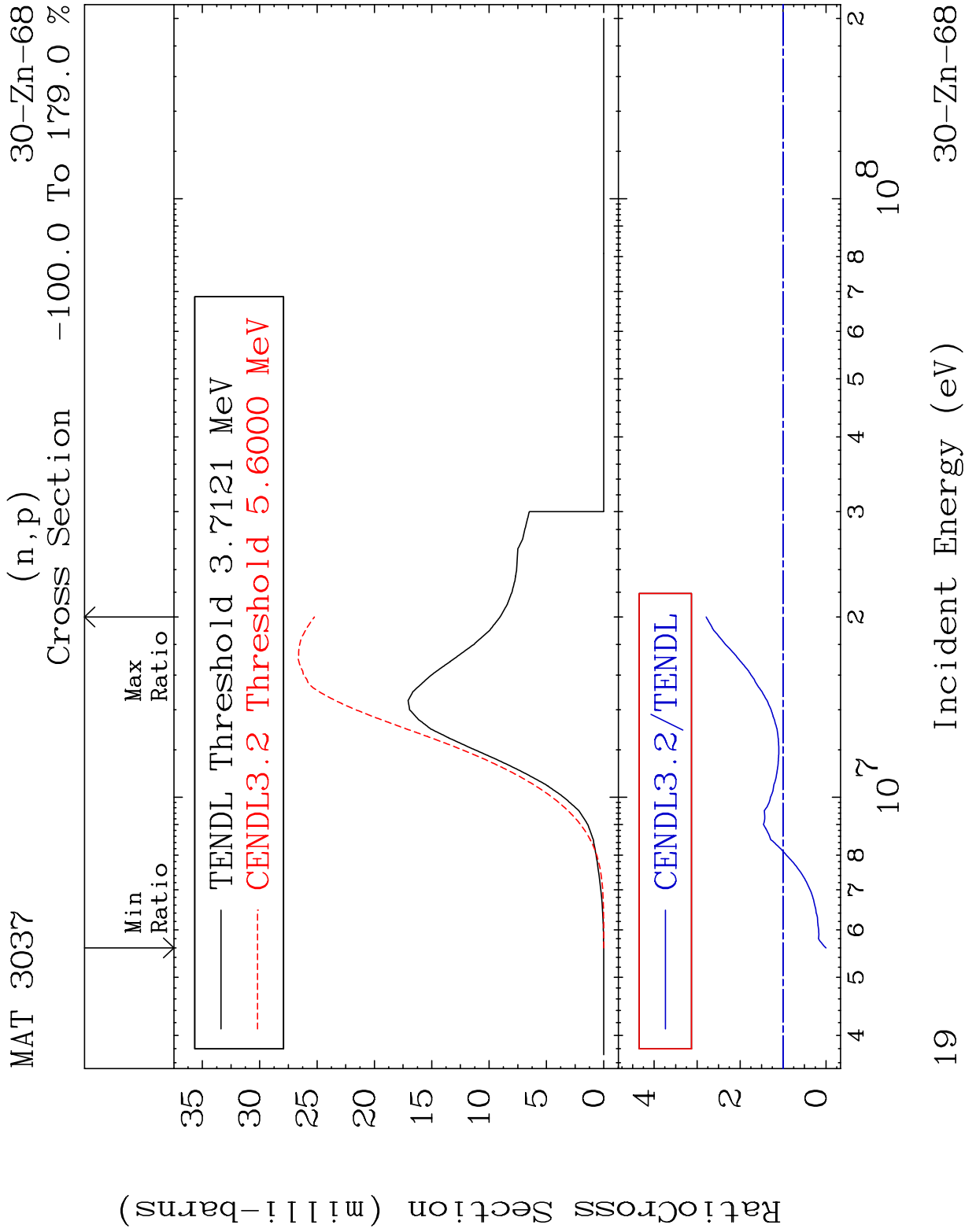


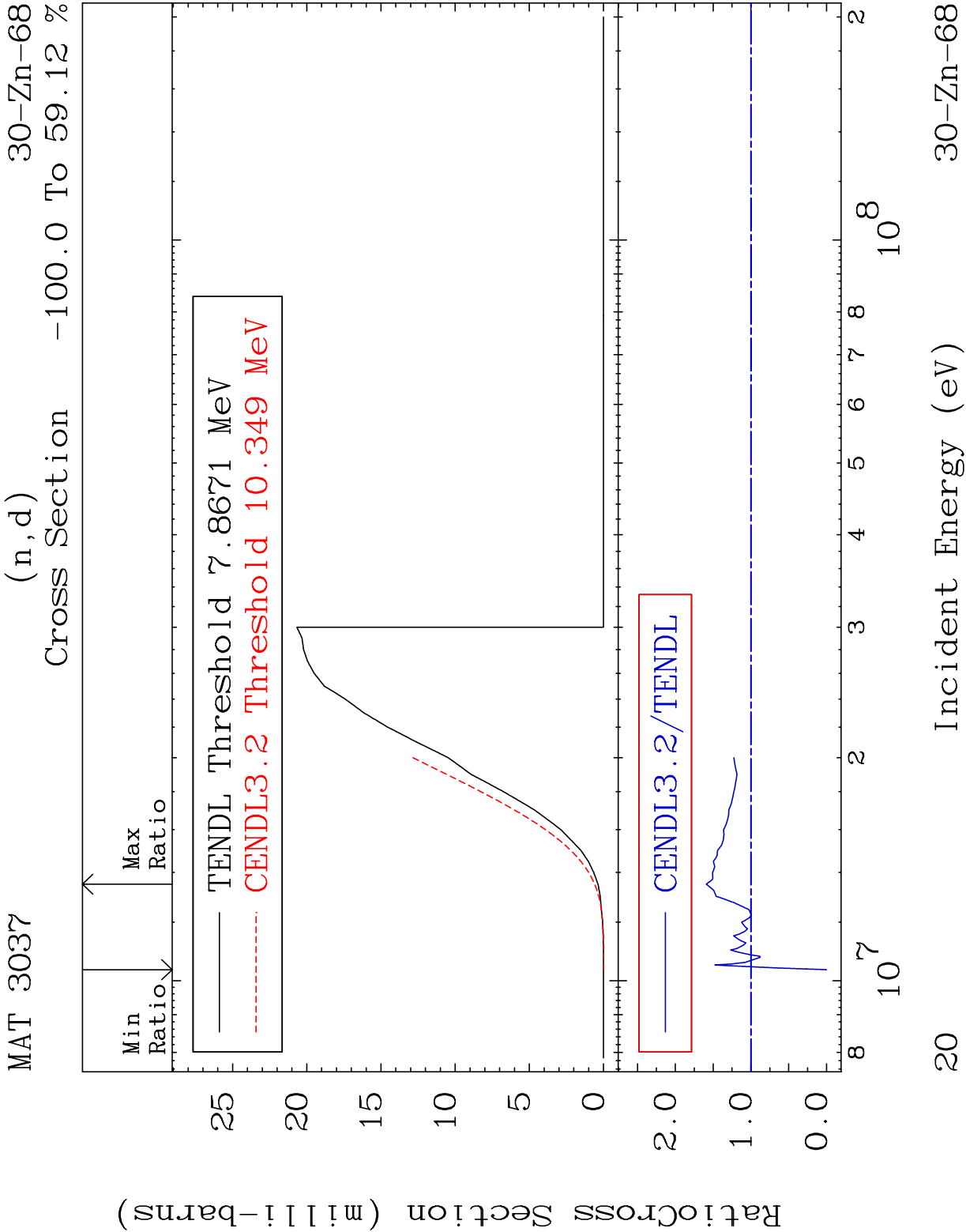
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

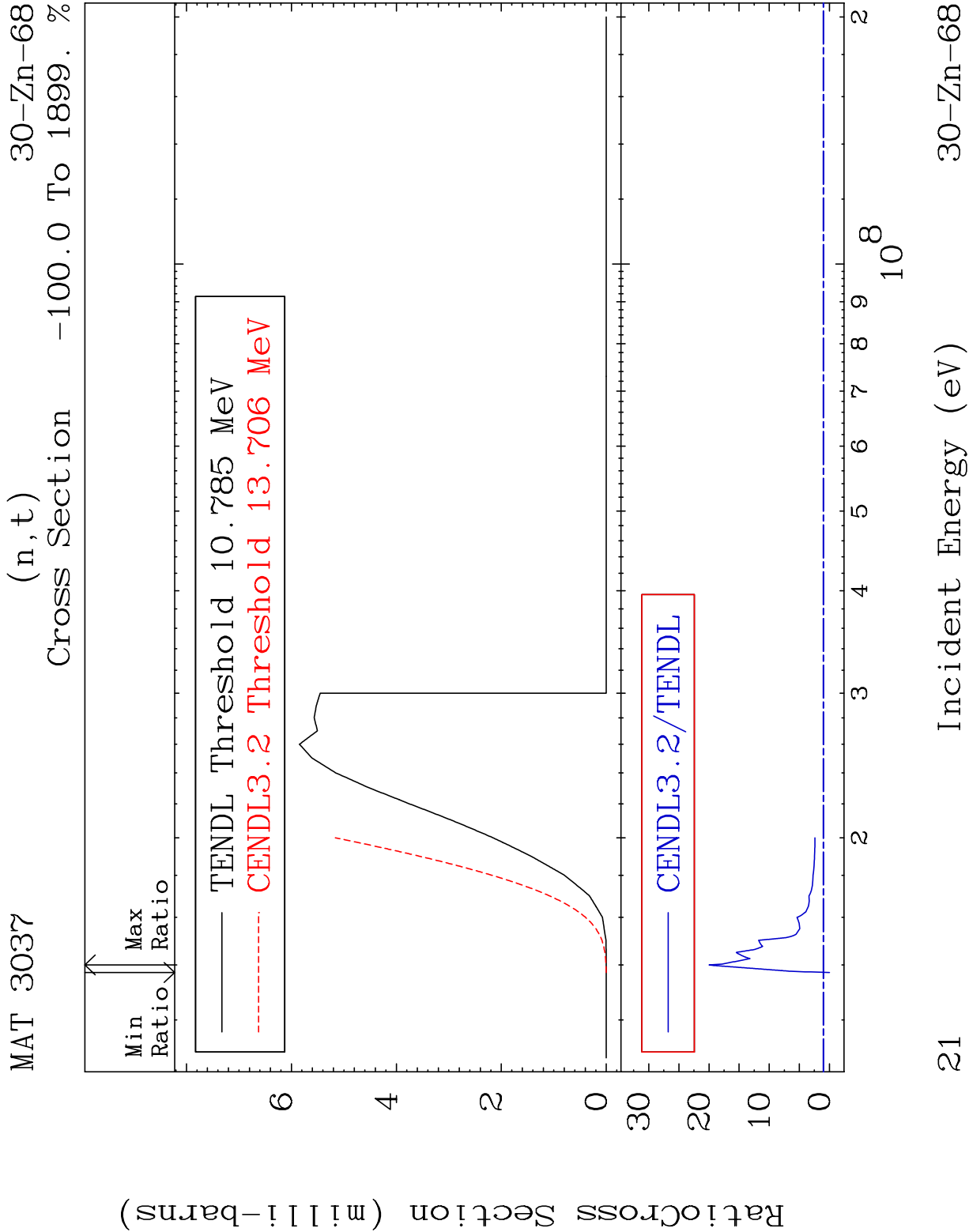
18

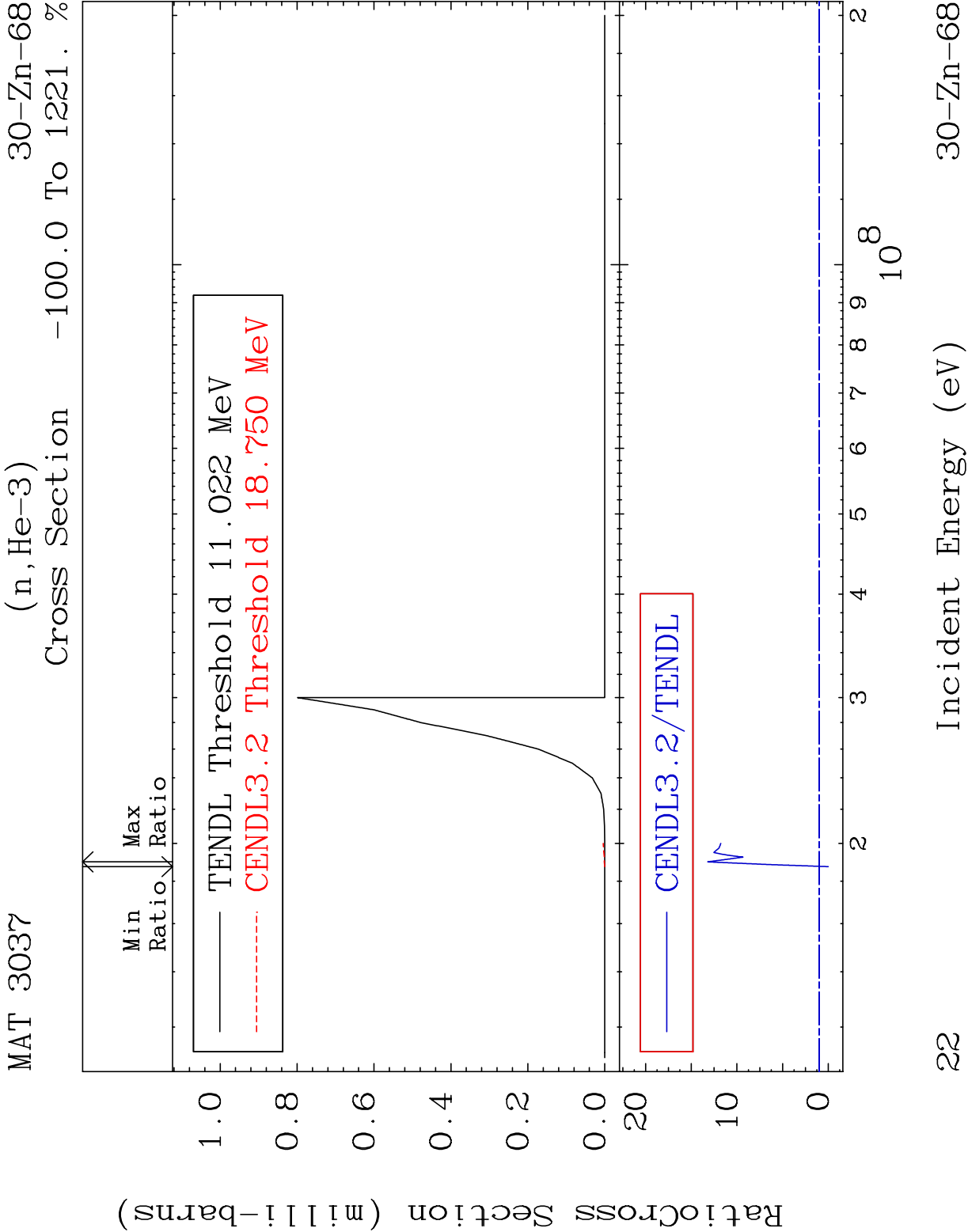
Incident Energy (eV)

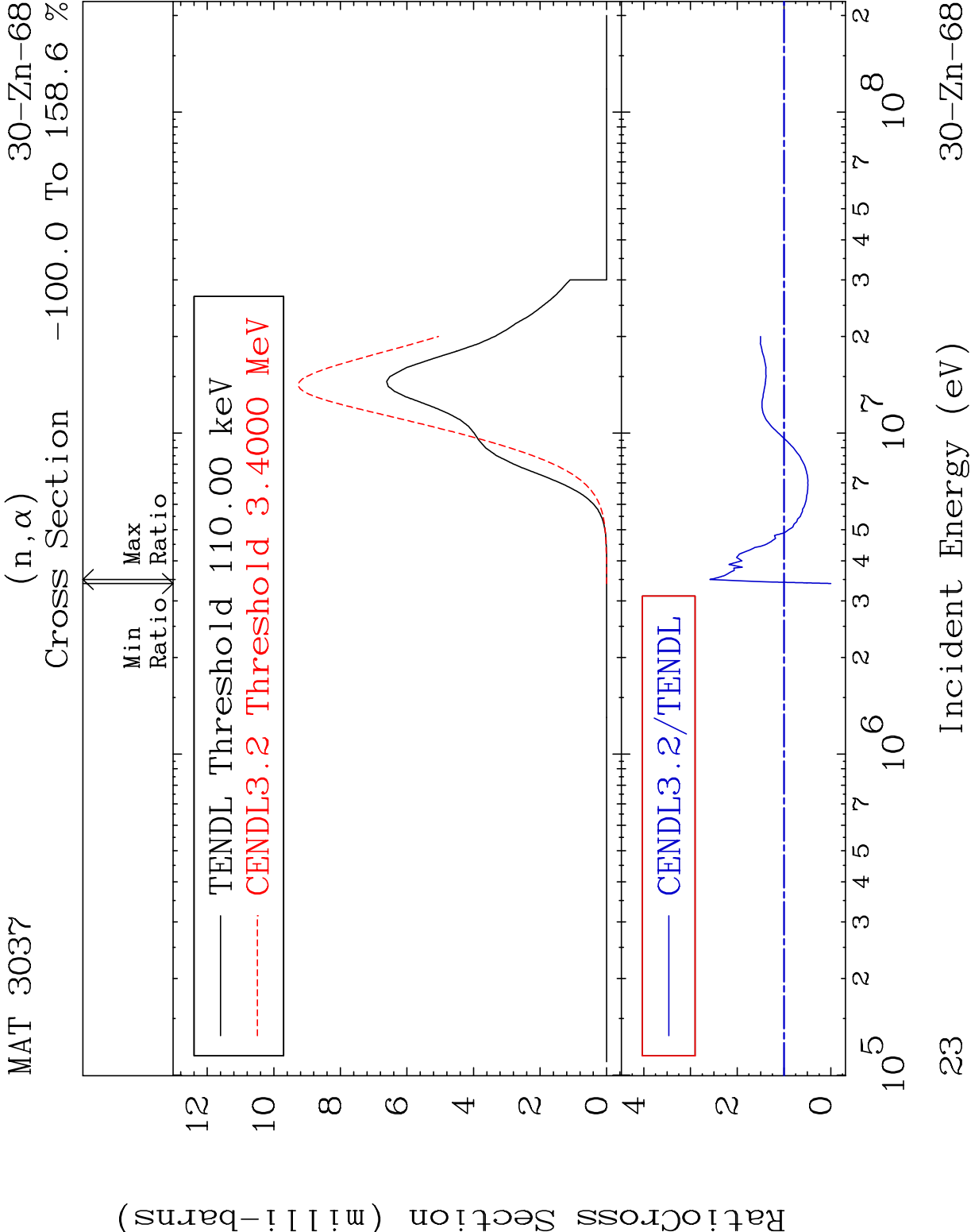
30-Zn-68

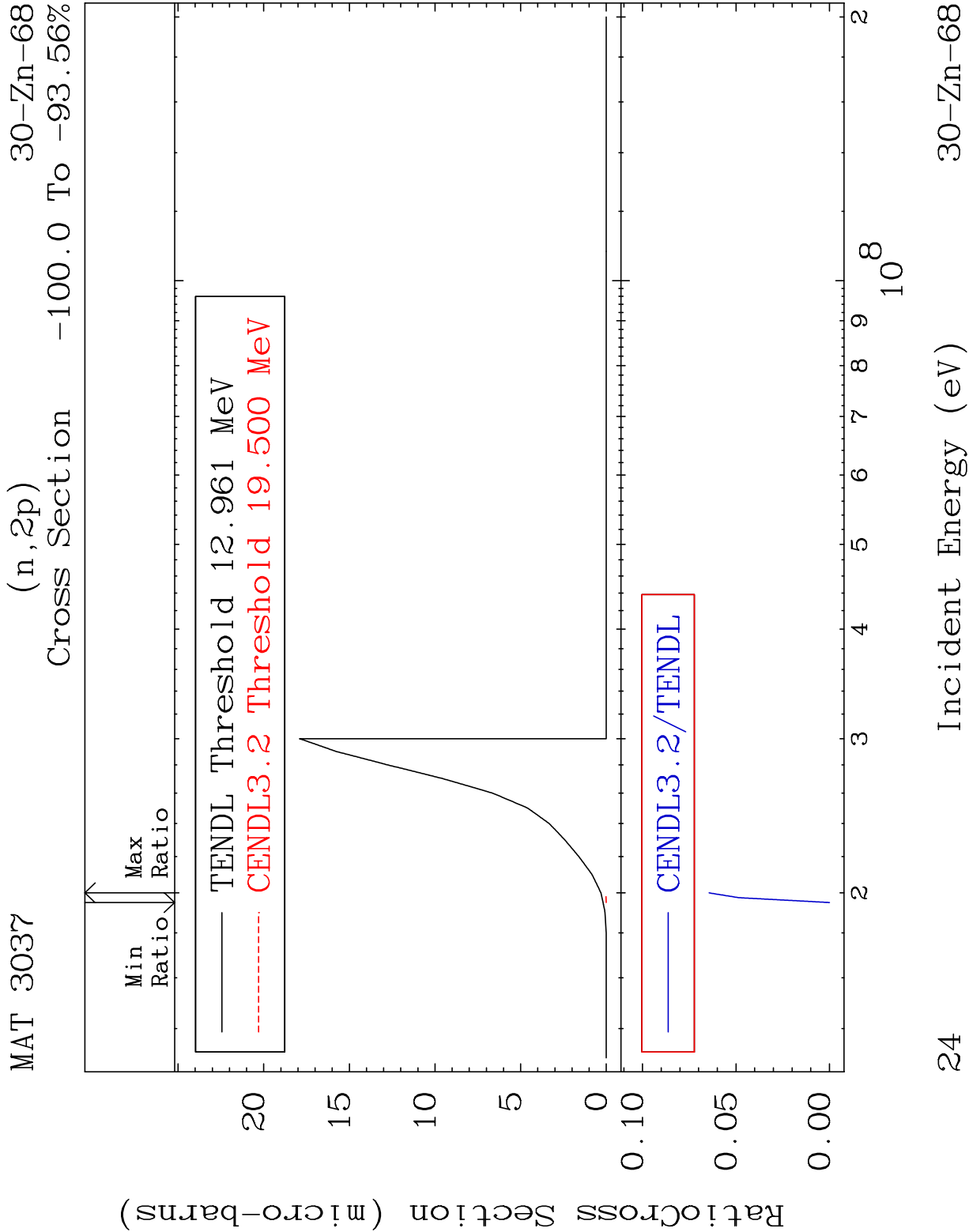


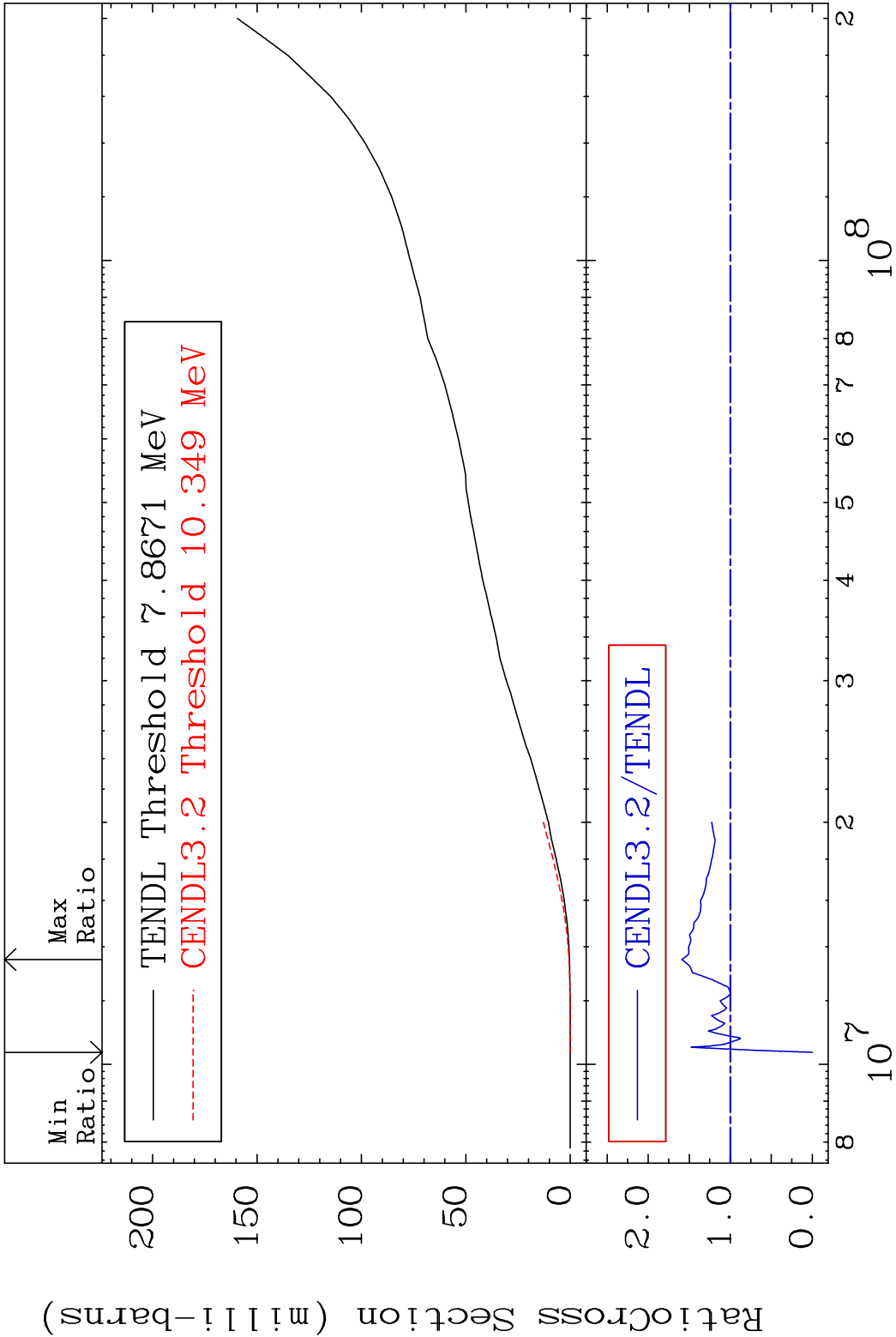


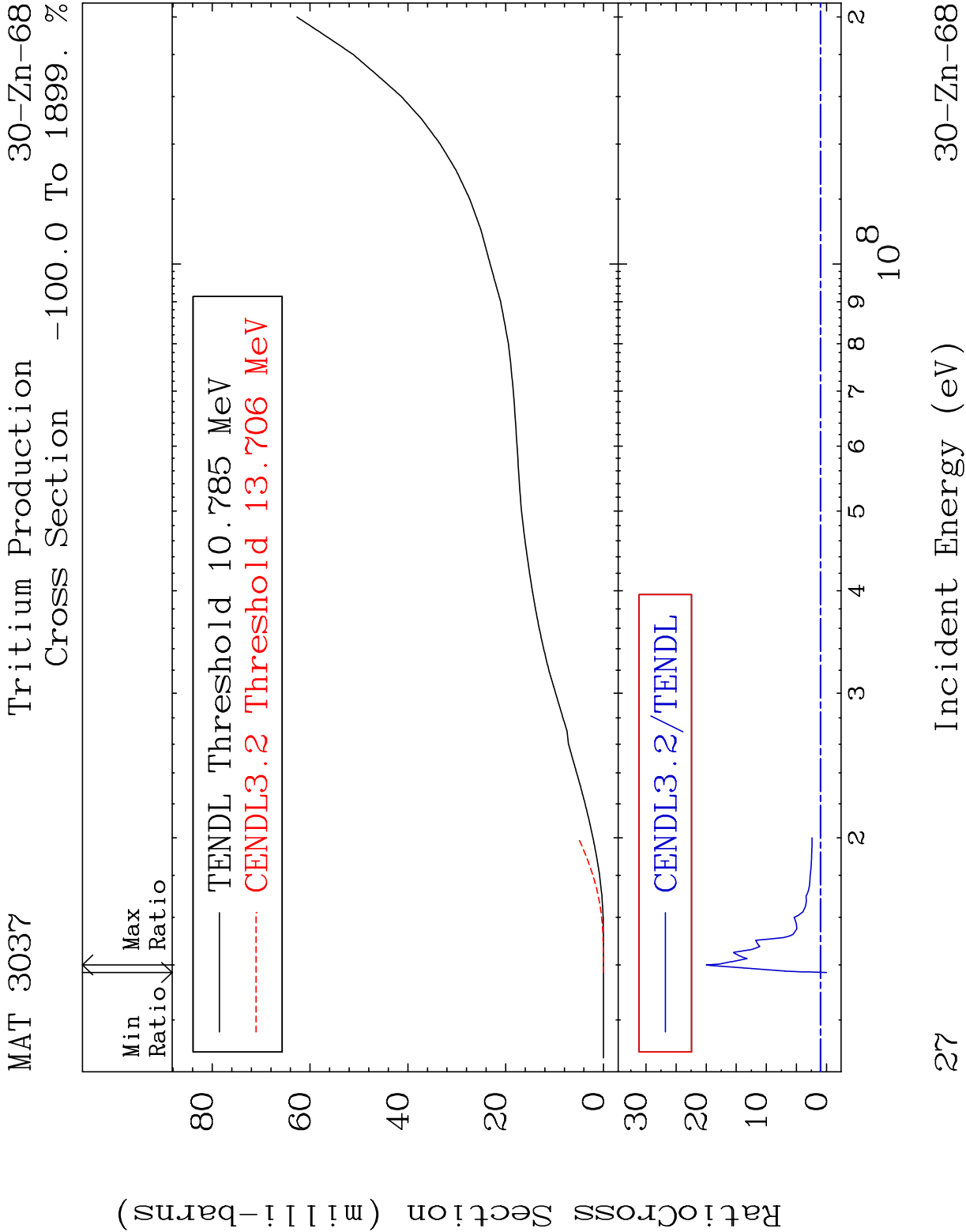


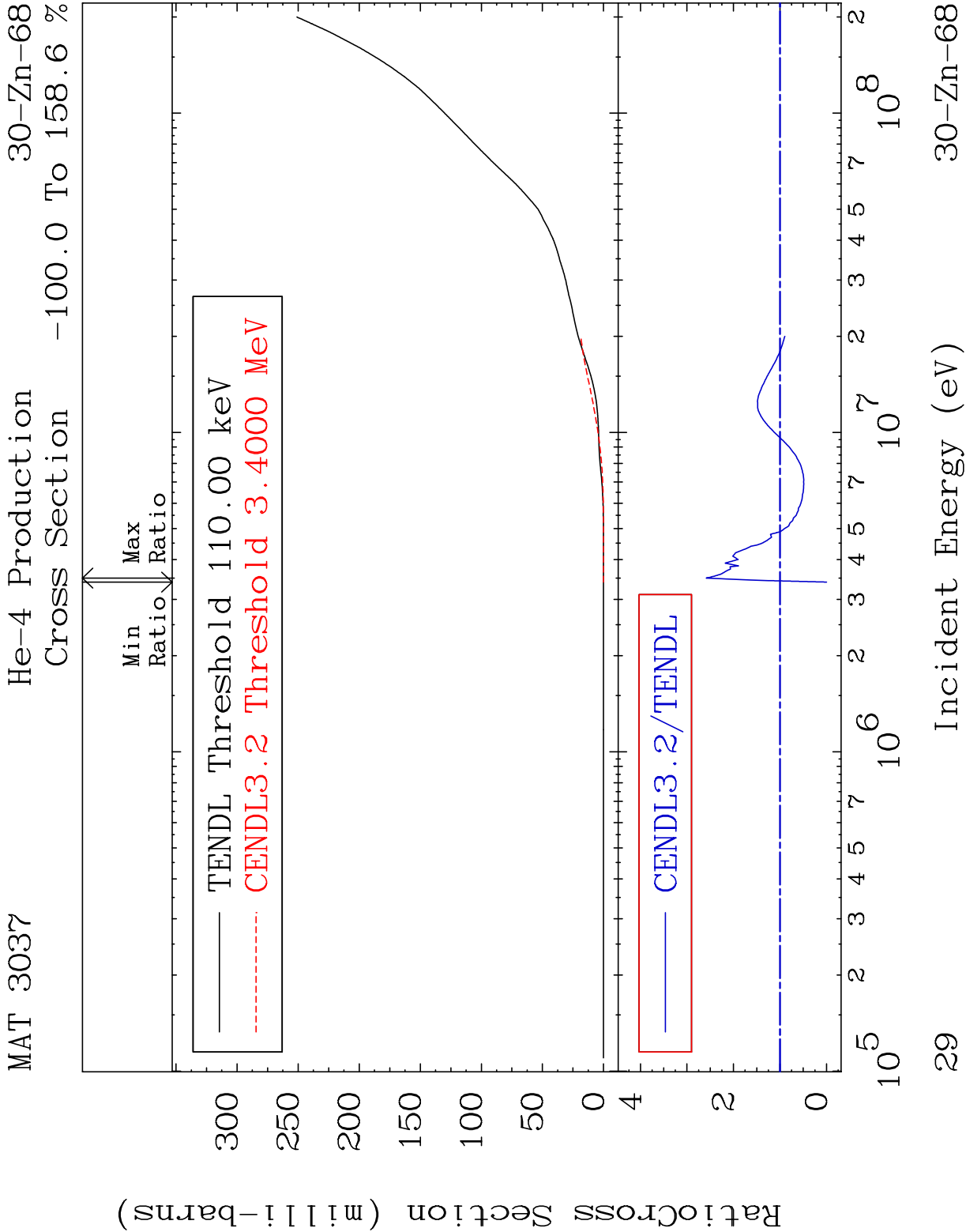


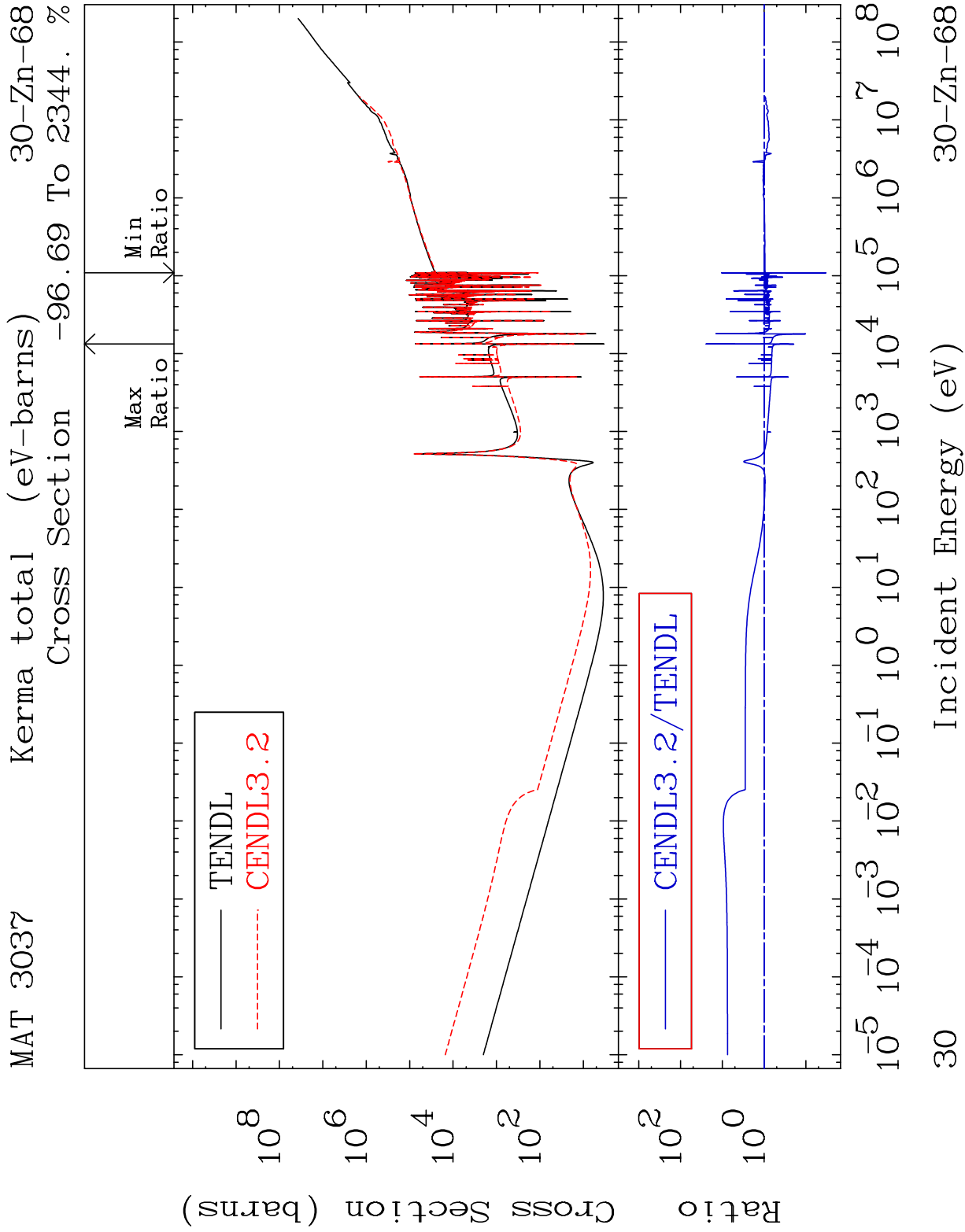








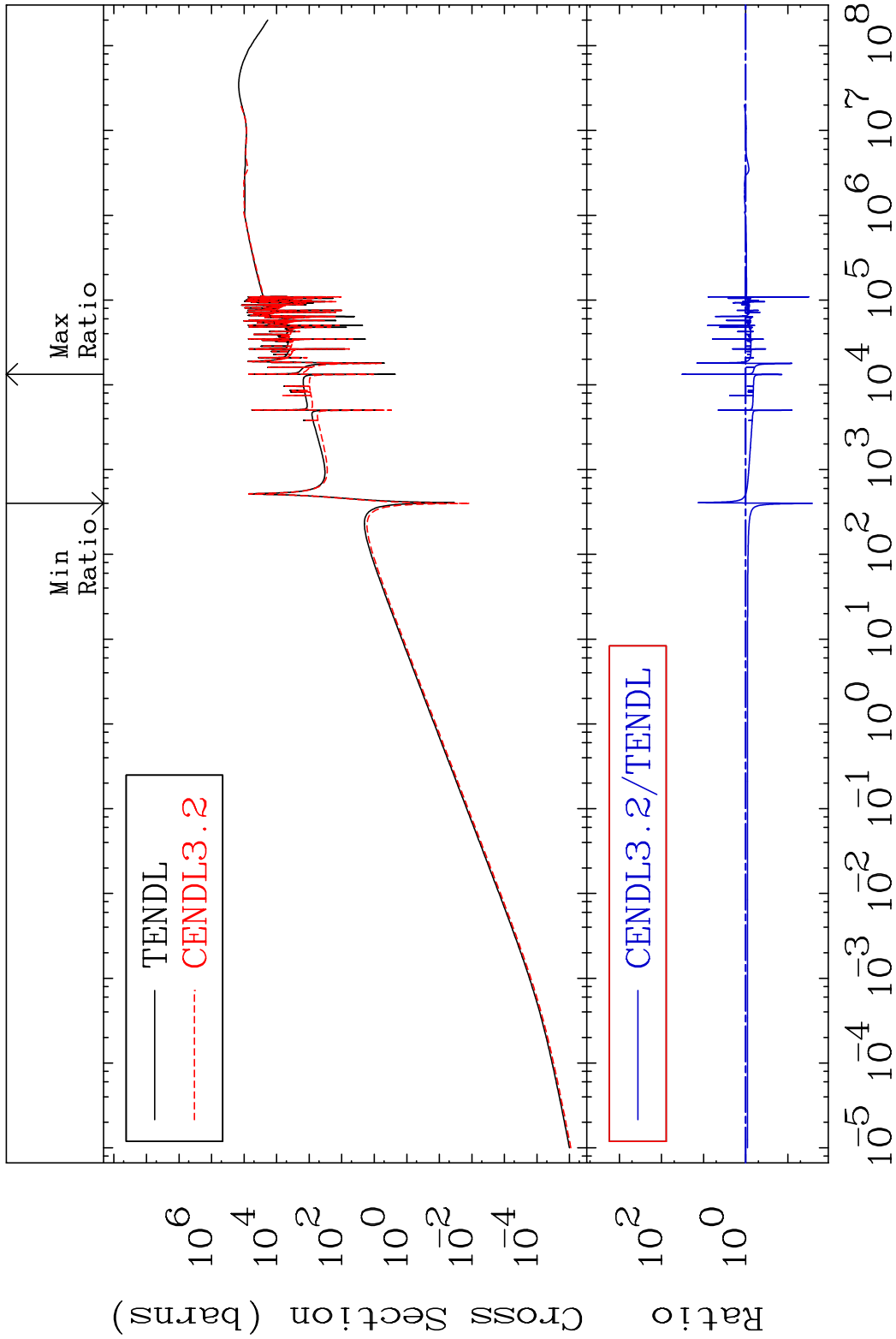




MAT 3037

Kerma elastic
Cross Section

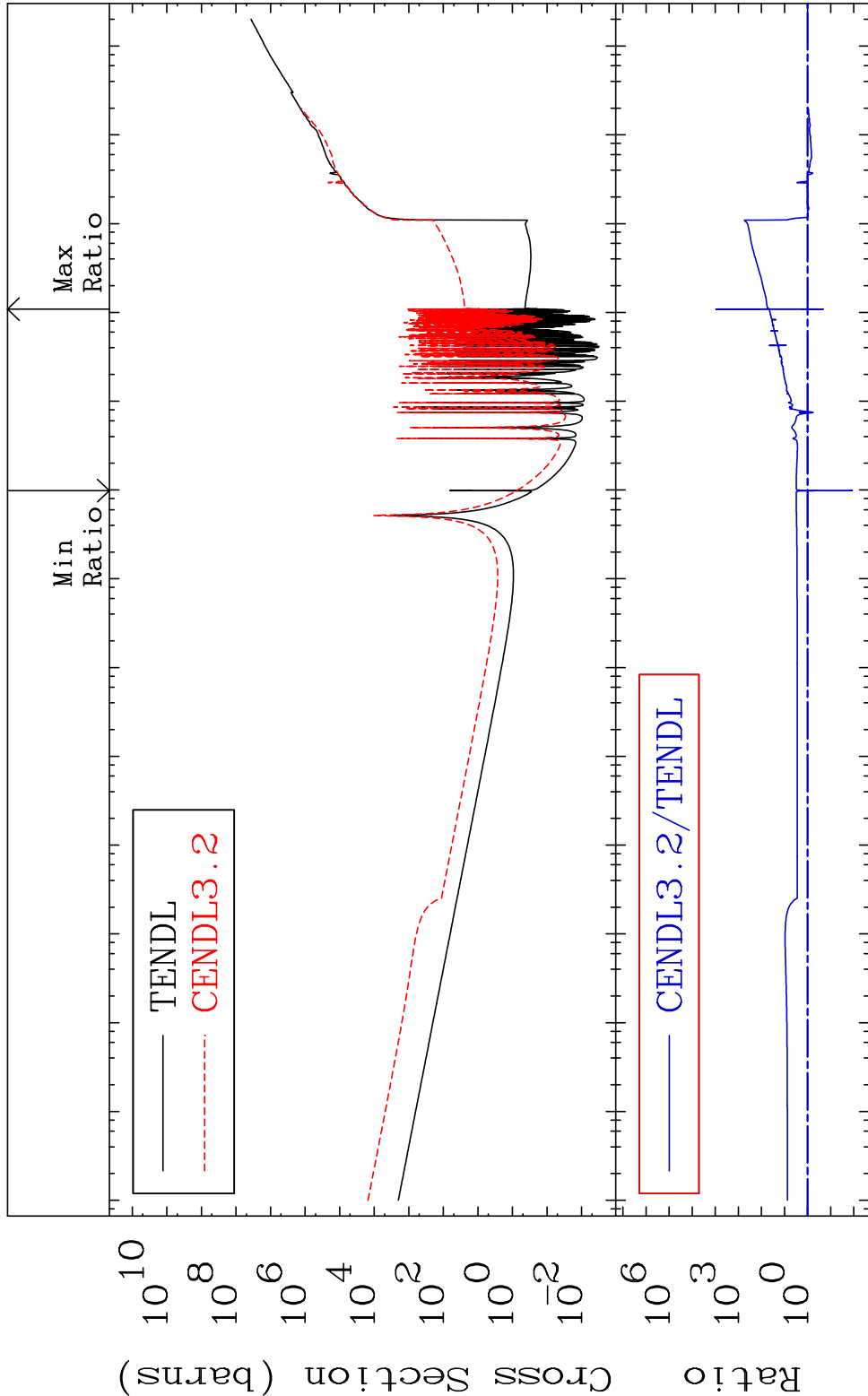
30-Zn-68
-97.40 To 3122. %

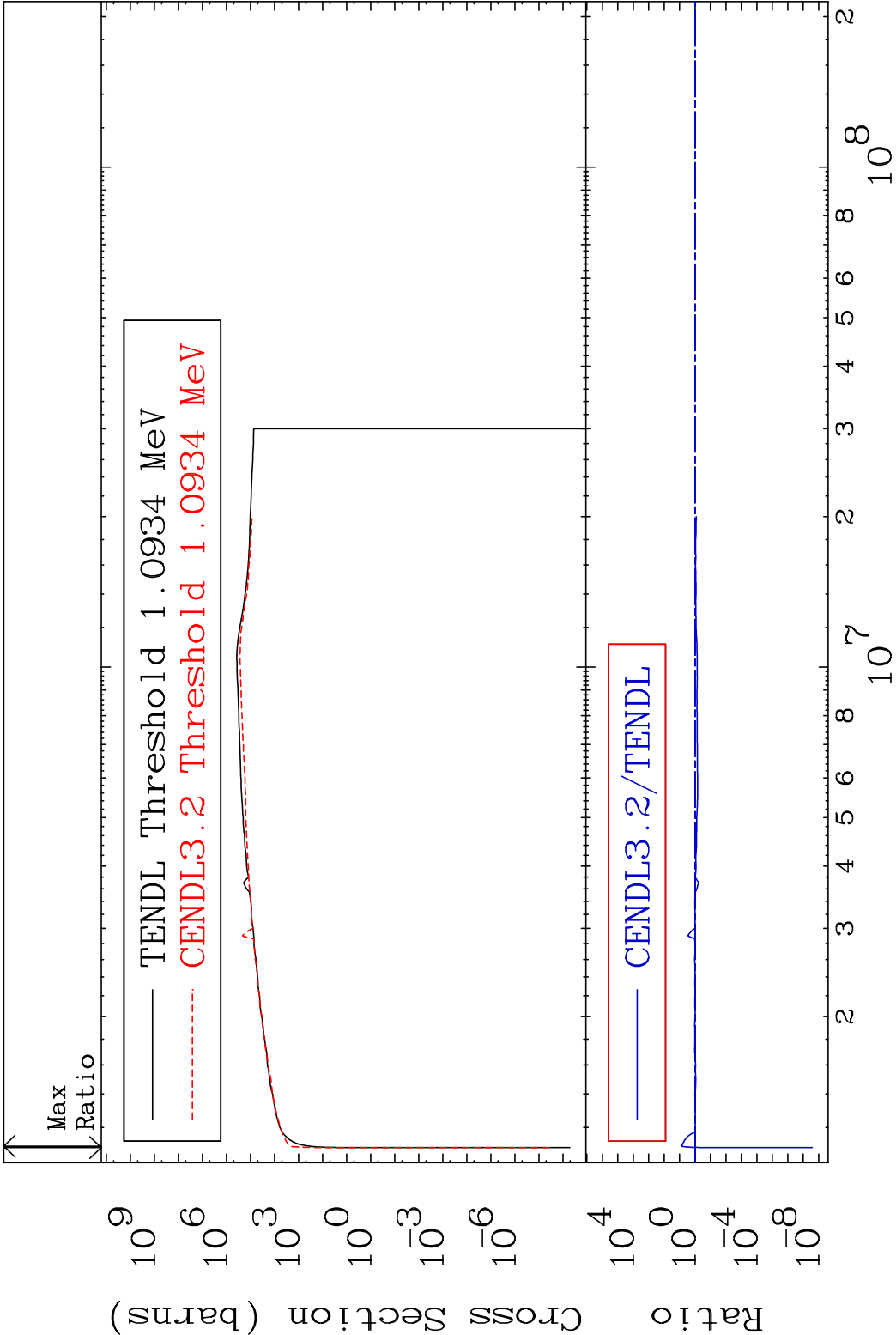


31

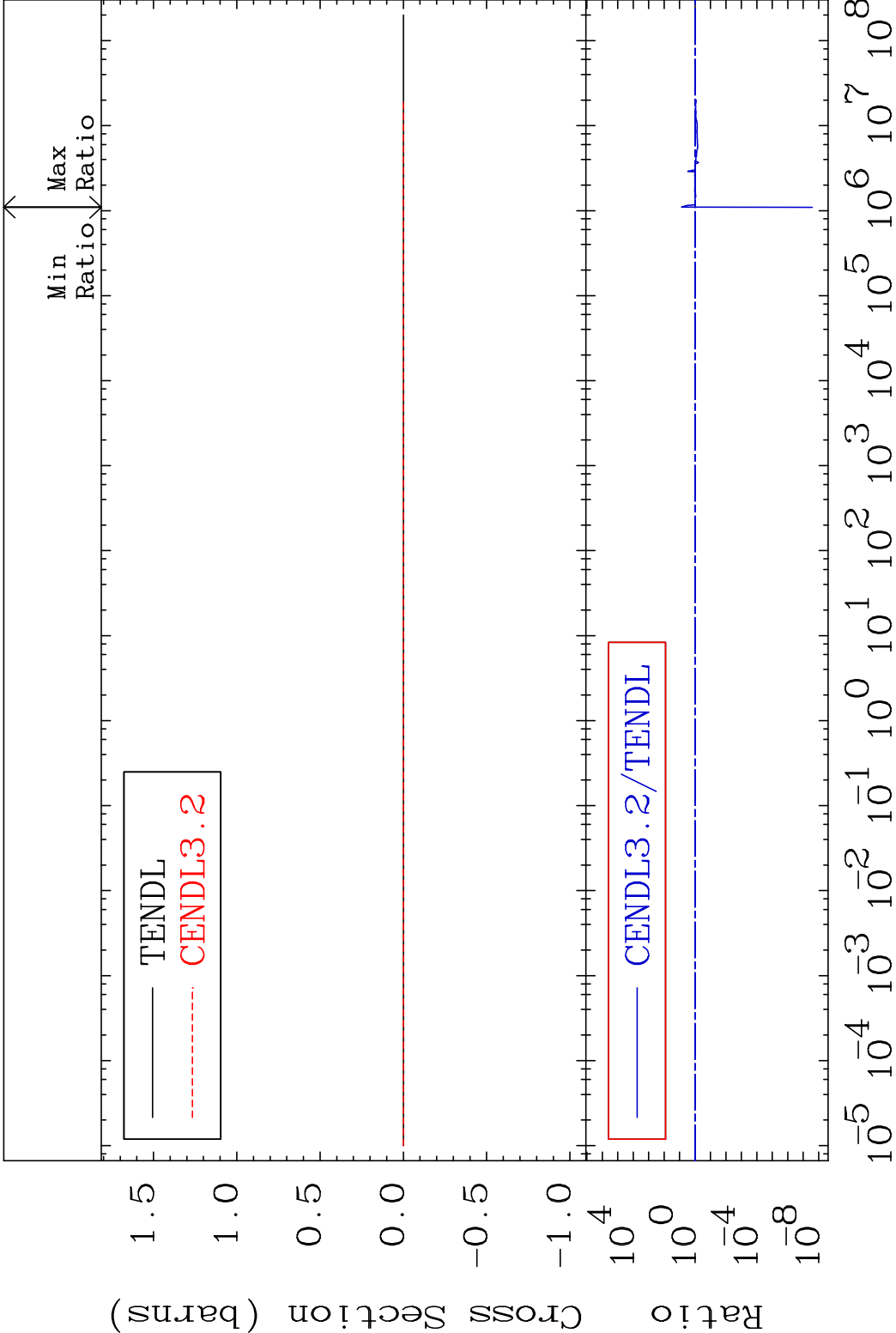
Incident Energy (eV)

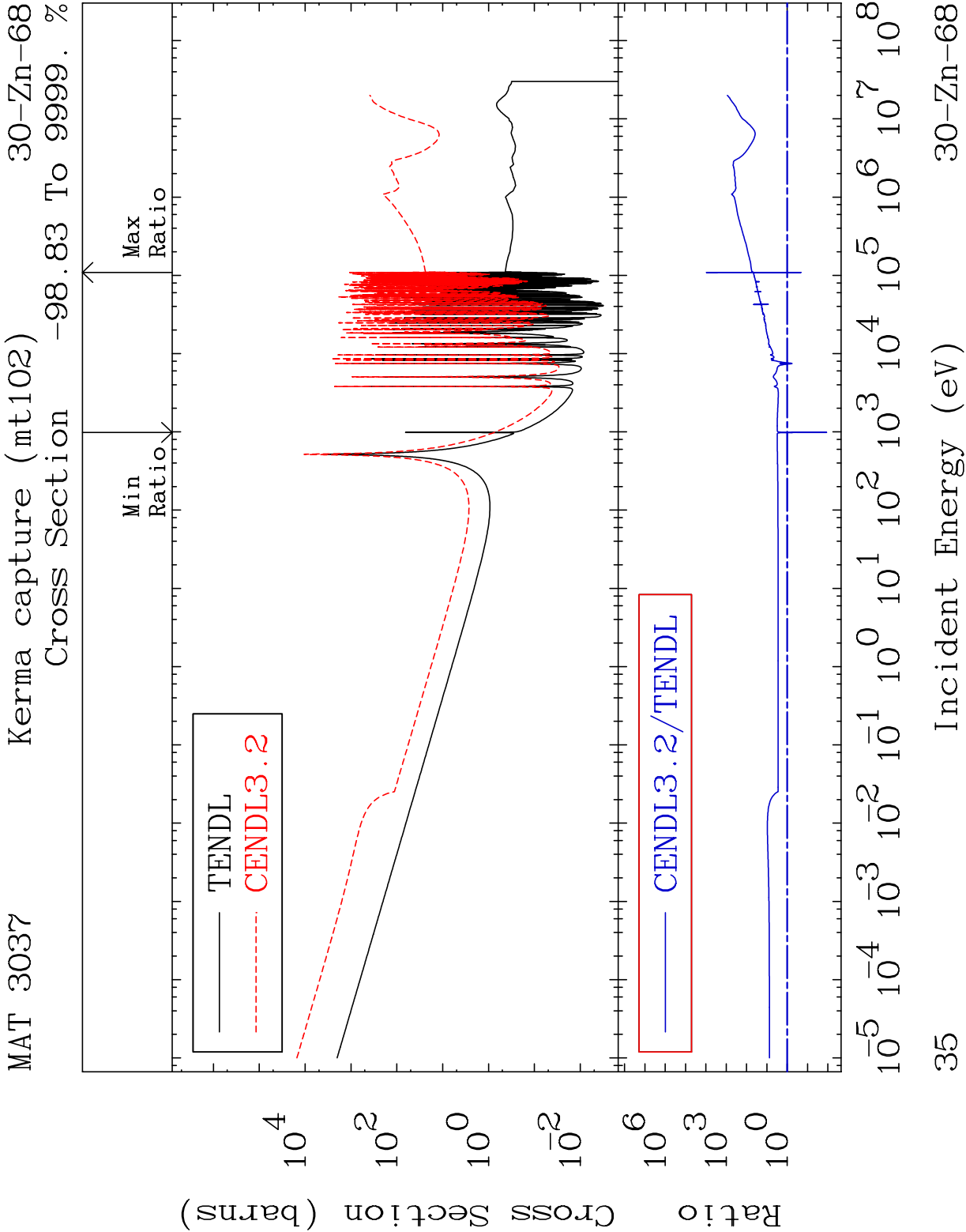
30-Zn-68

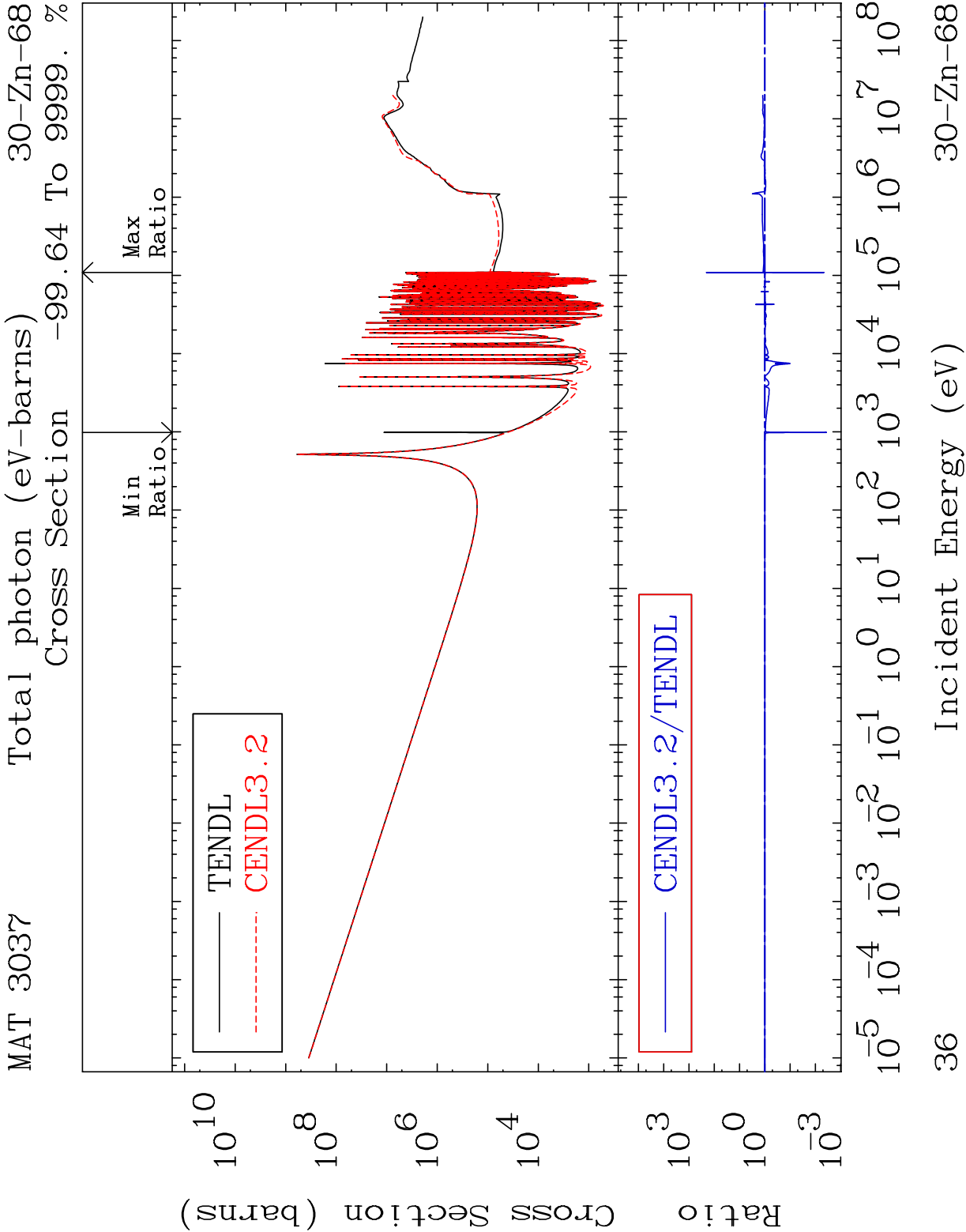




MAT 3037 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-68
Cross Section -100.0 To 644.7 %

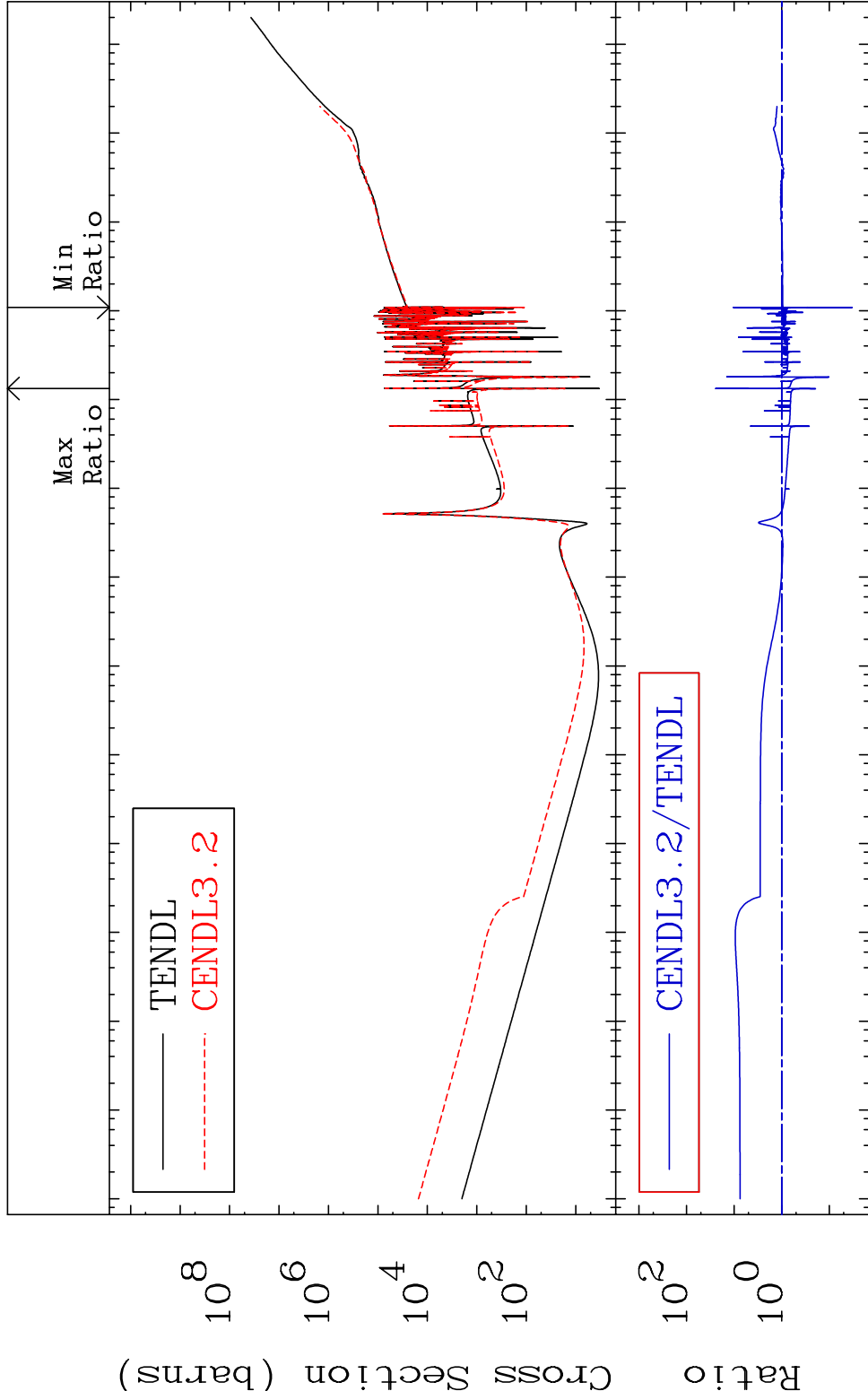






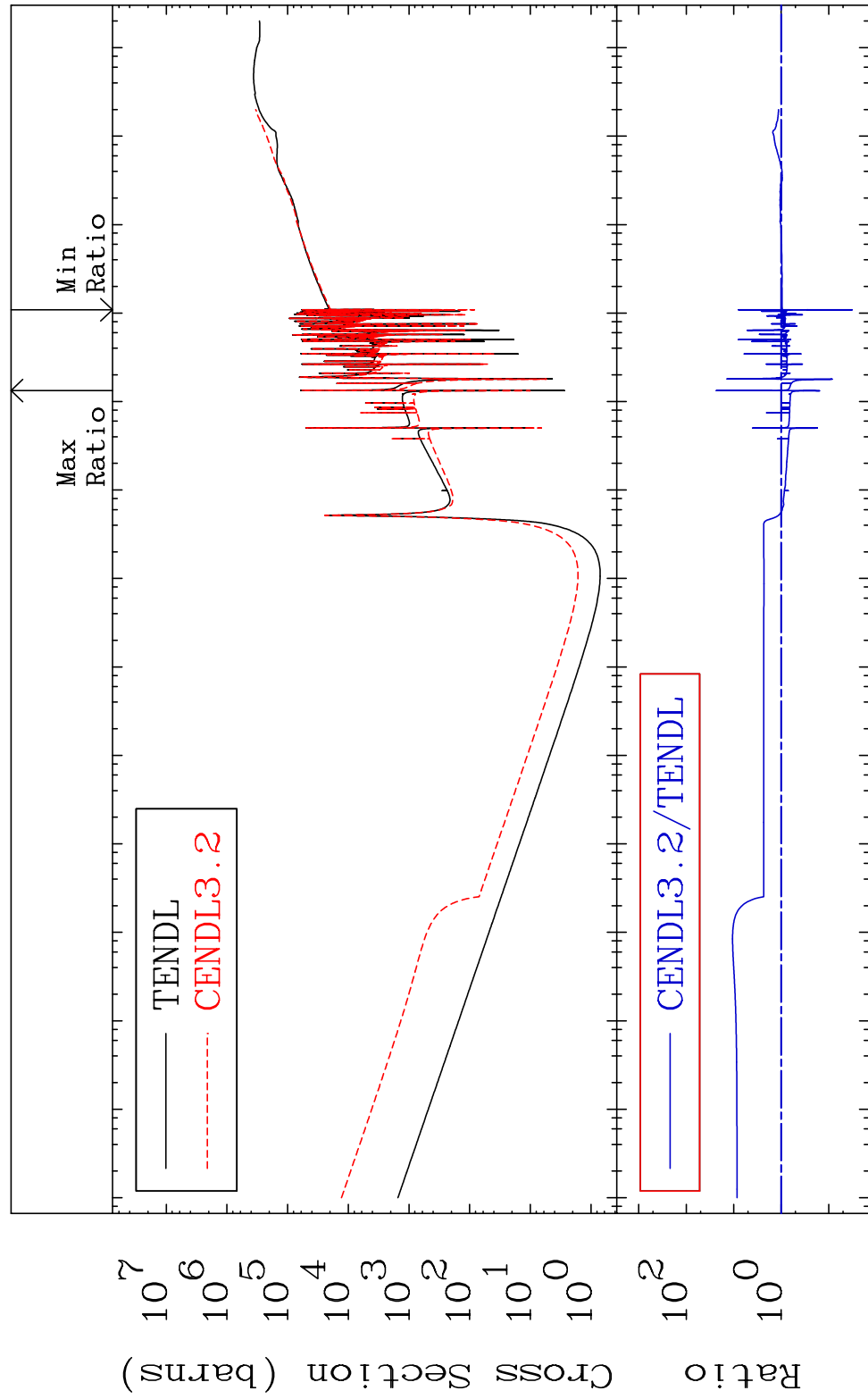
MAT 3037 Total kinematic kerma (high limit) 30-Zn-68

Cross Section -96.69 To 2344. %



37 Incident Energy (eV) 30-Zn-68

MAT 3037 Dpa total (eV-barns) 30-Zn-68
 Cross Section -96.82 To 2227. %



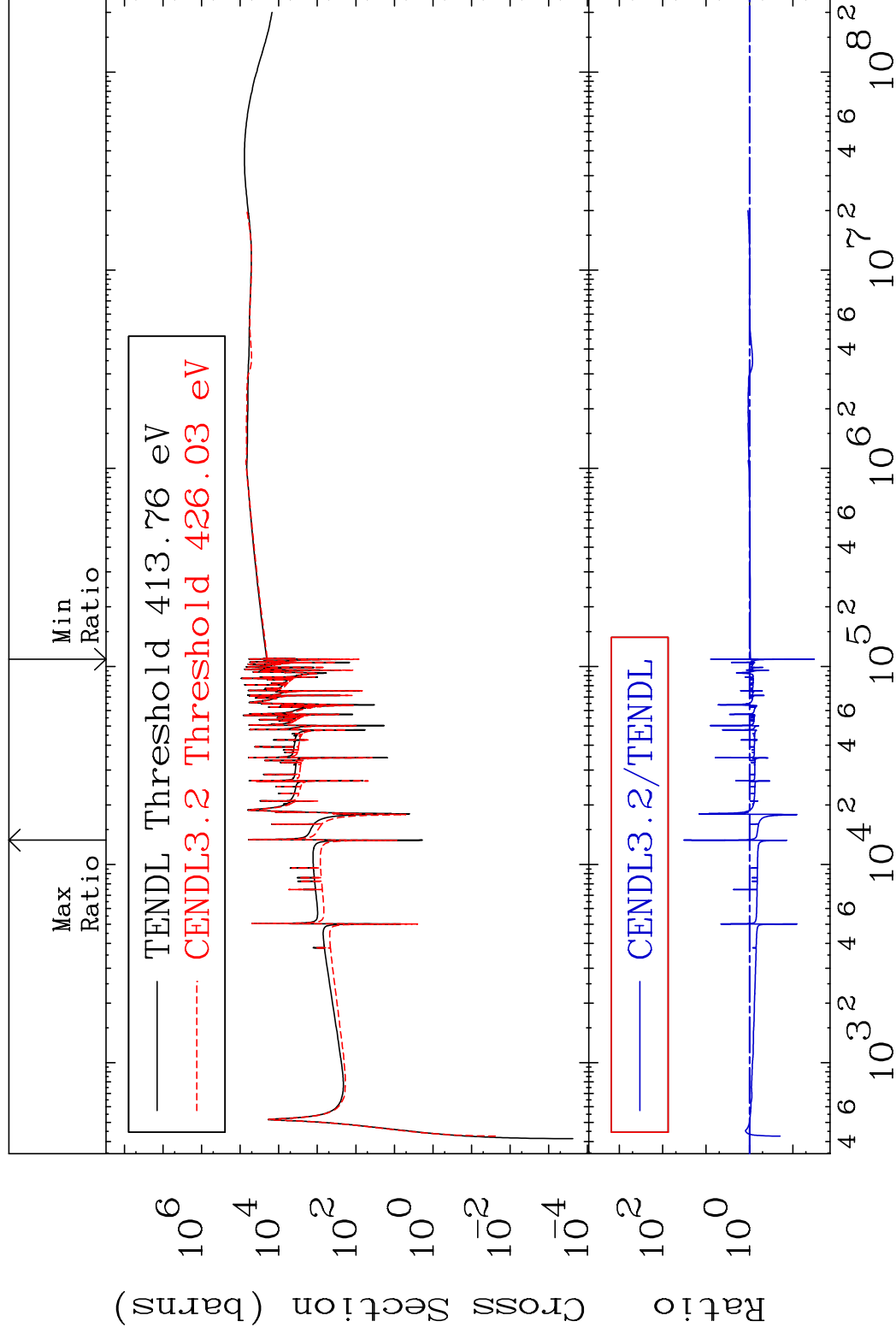
38 Incident Energy (eV) 30-Zn-68

MAT 3037

Dpa elastic (mt2)

30-Zn-68

Cross Section -96.80 To 3122. %



TENDL Threshold 413.76 eV

CENDL3.2 Threshold 426.03 eV

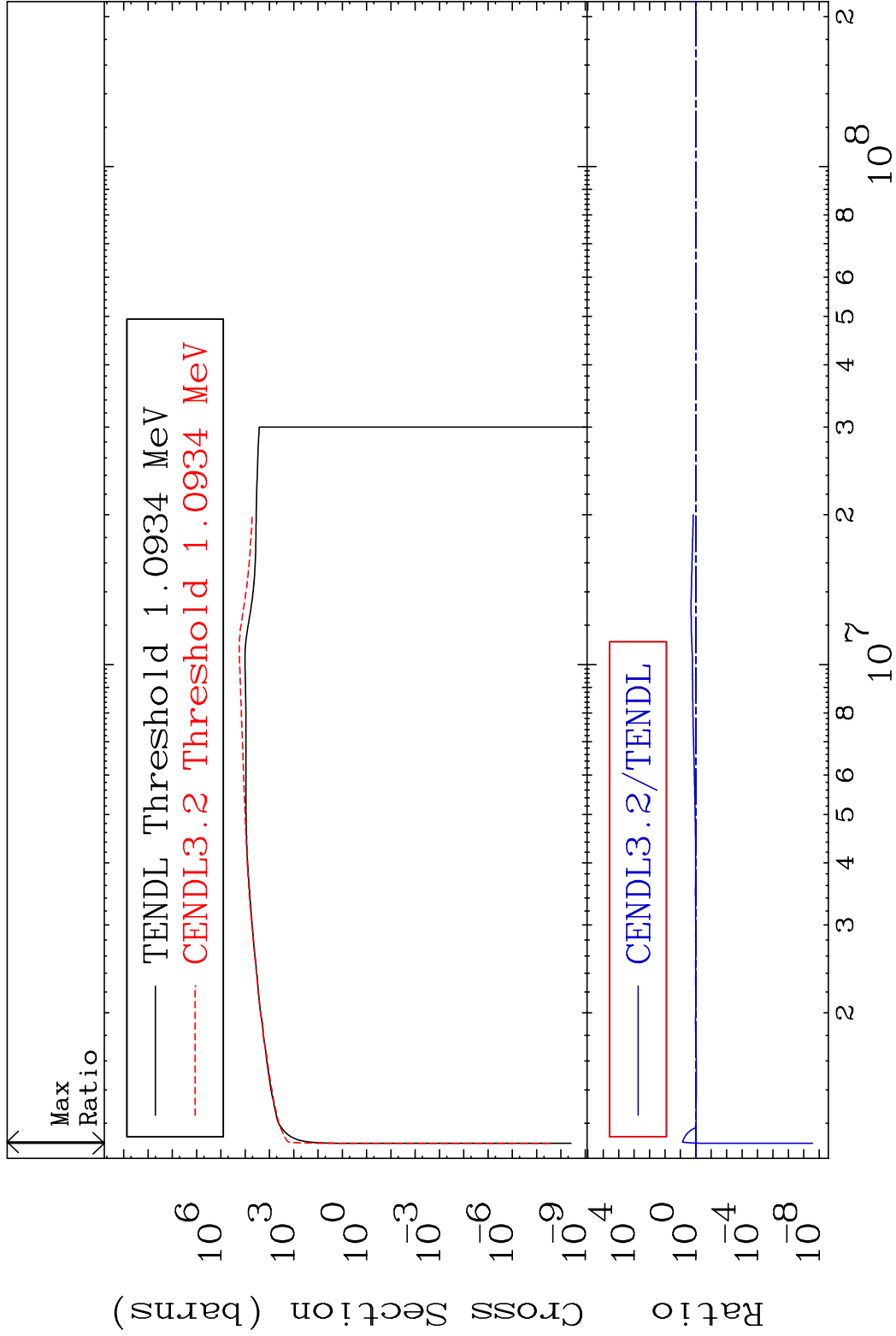
CENDL3.2/TENDL

93

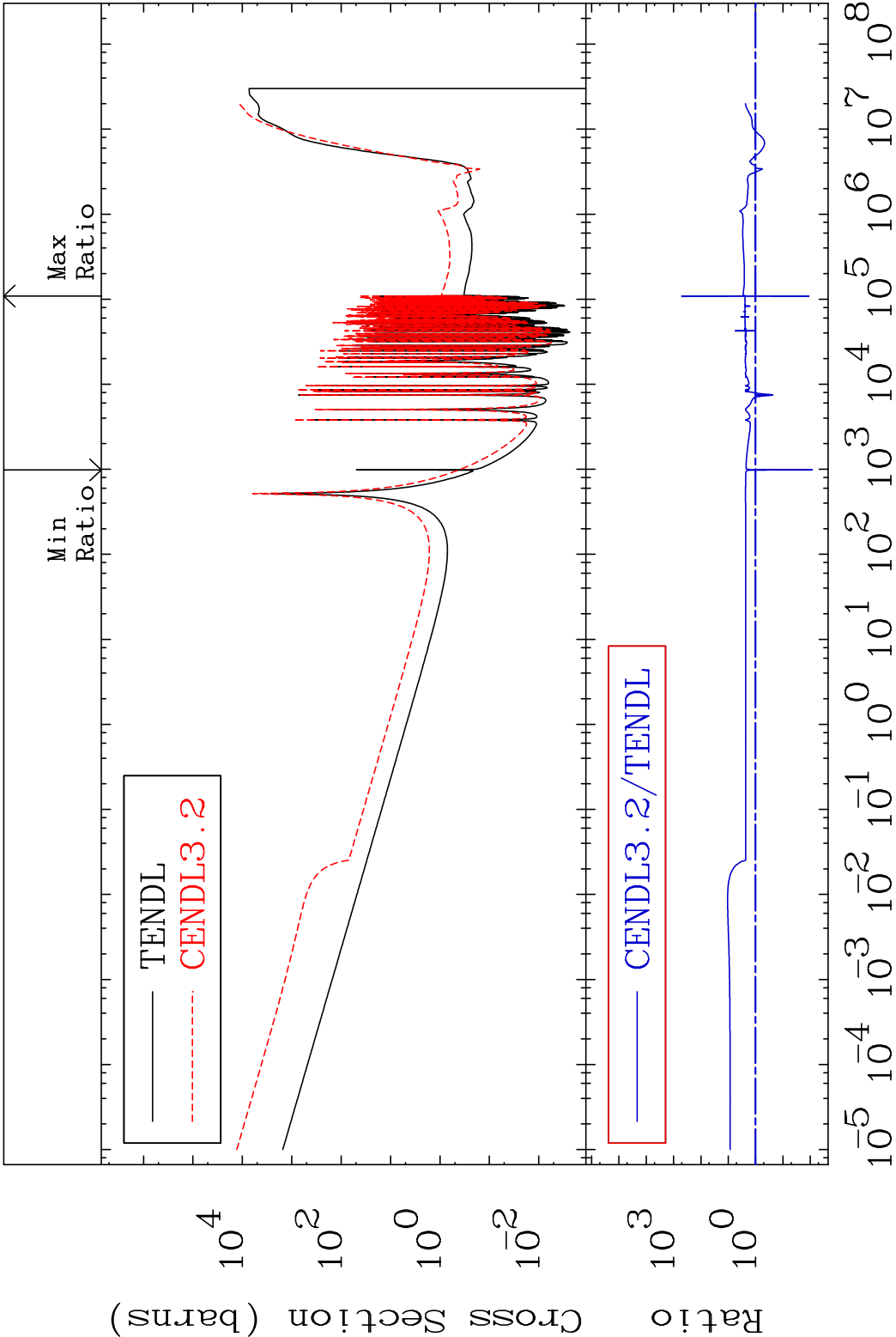
Incident Energy (eV)

30-Zn-68

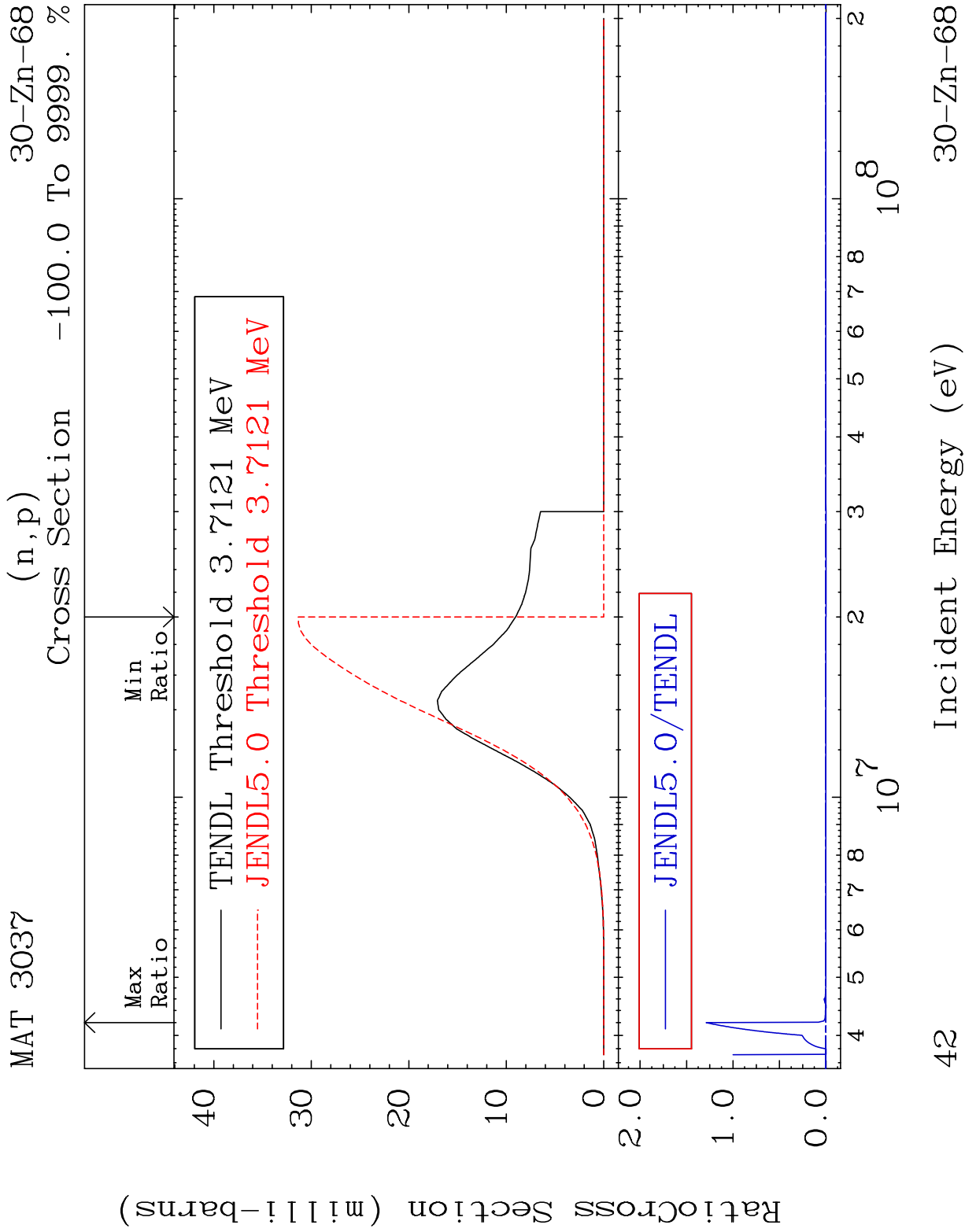
MAT 3037 Dpa inelastic (mt51-91) 30-Zn-68
Cross Section -100.0 To 644.8 %

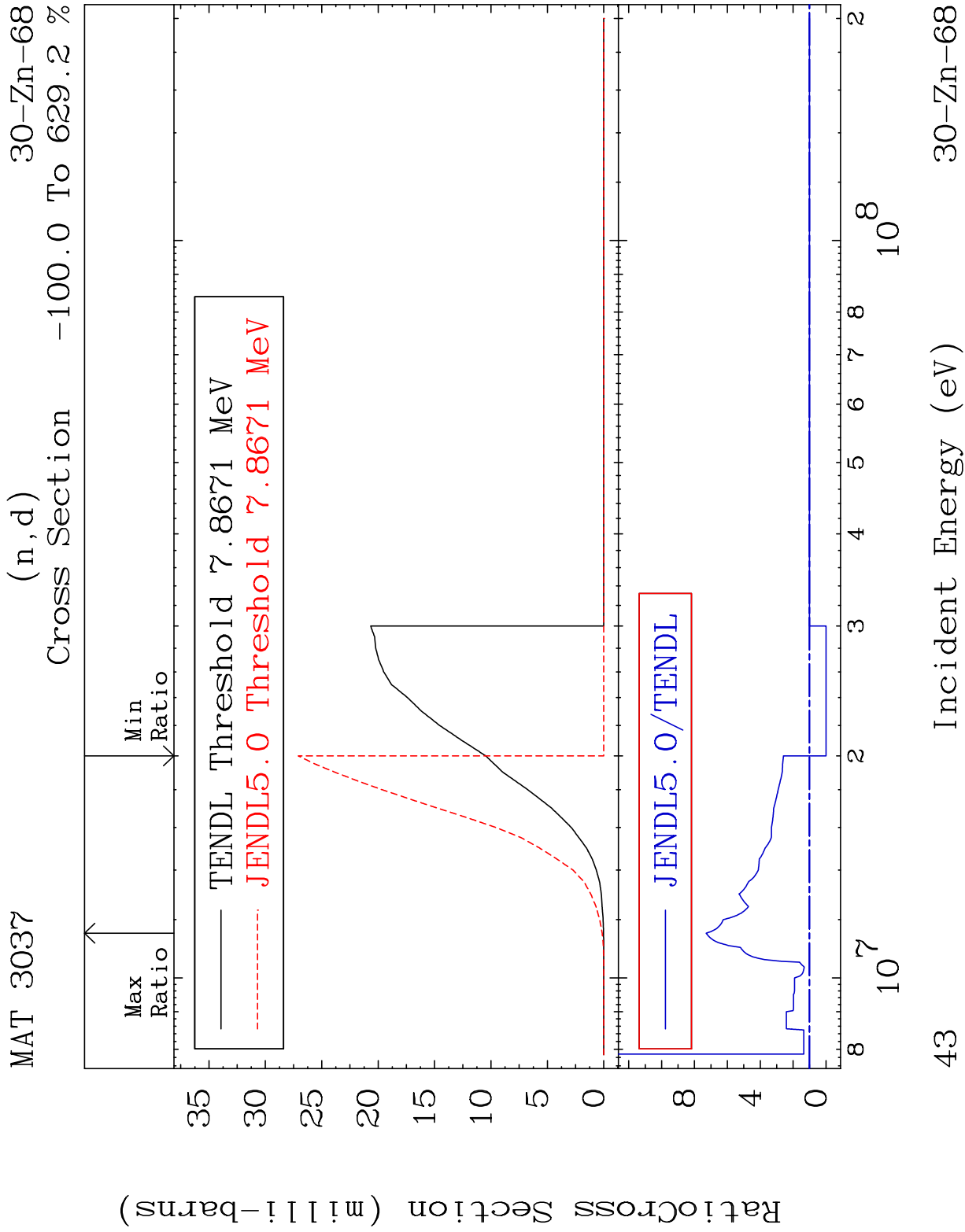


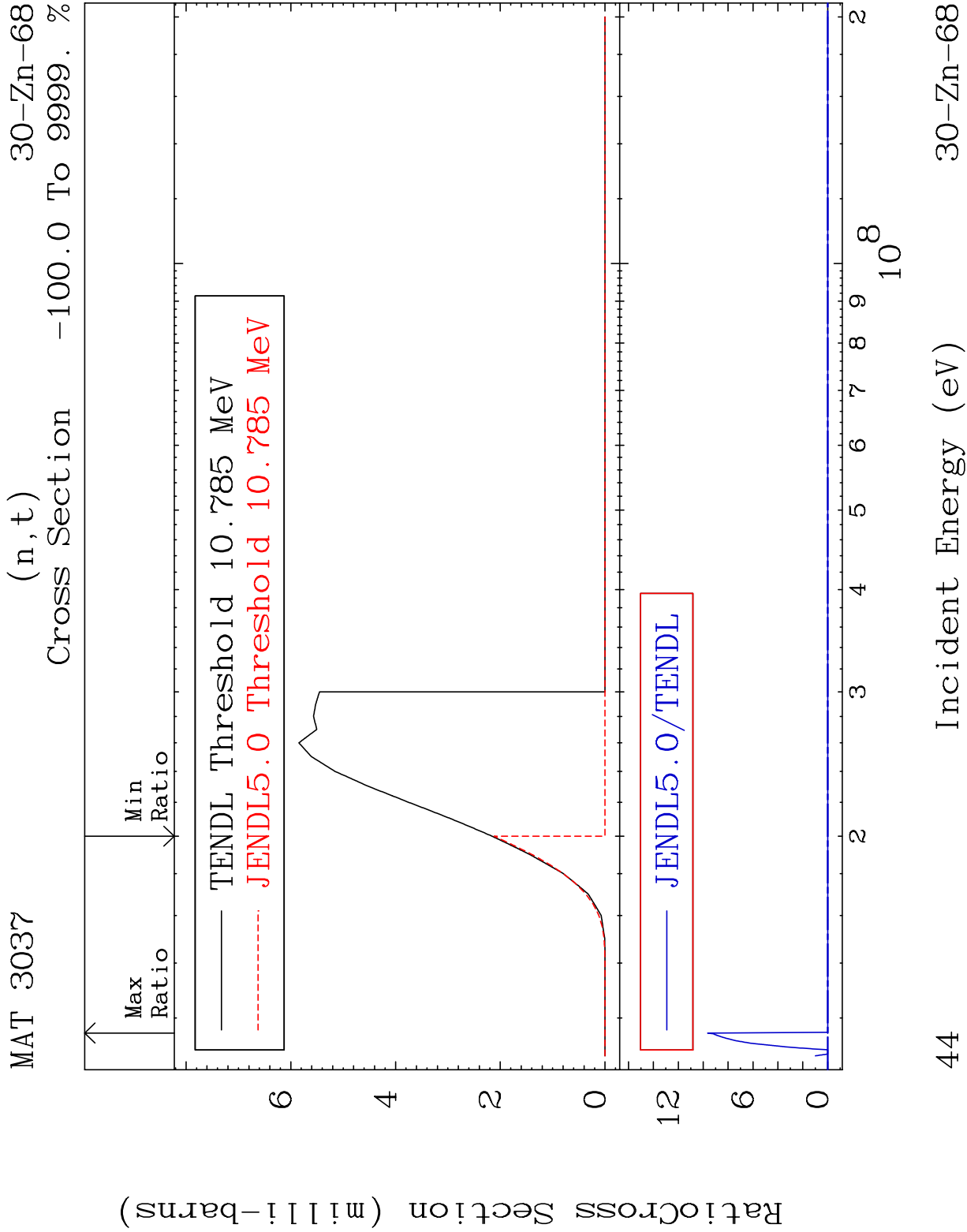
MAT 3037 Dpa disappearance (mt102 -120) 30-Zn-68
Cross Section -99.15 To 9999. %

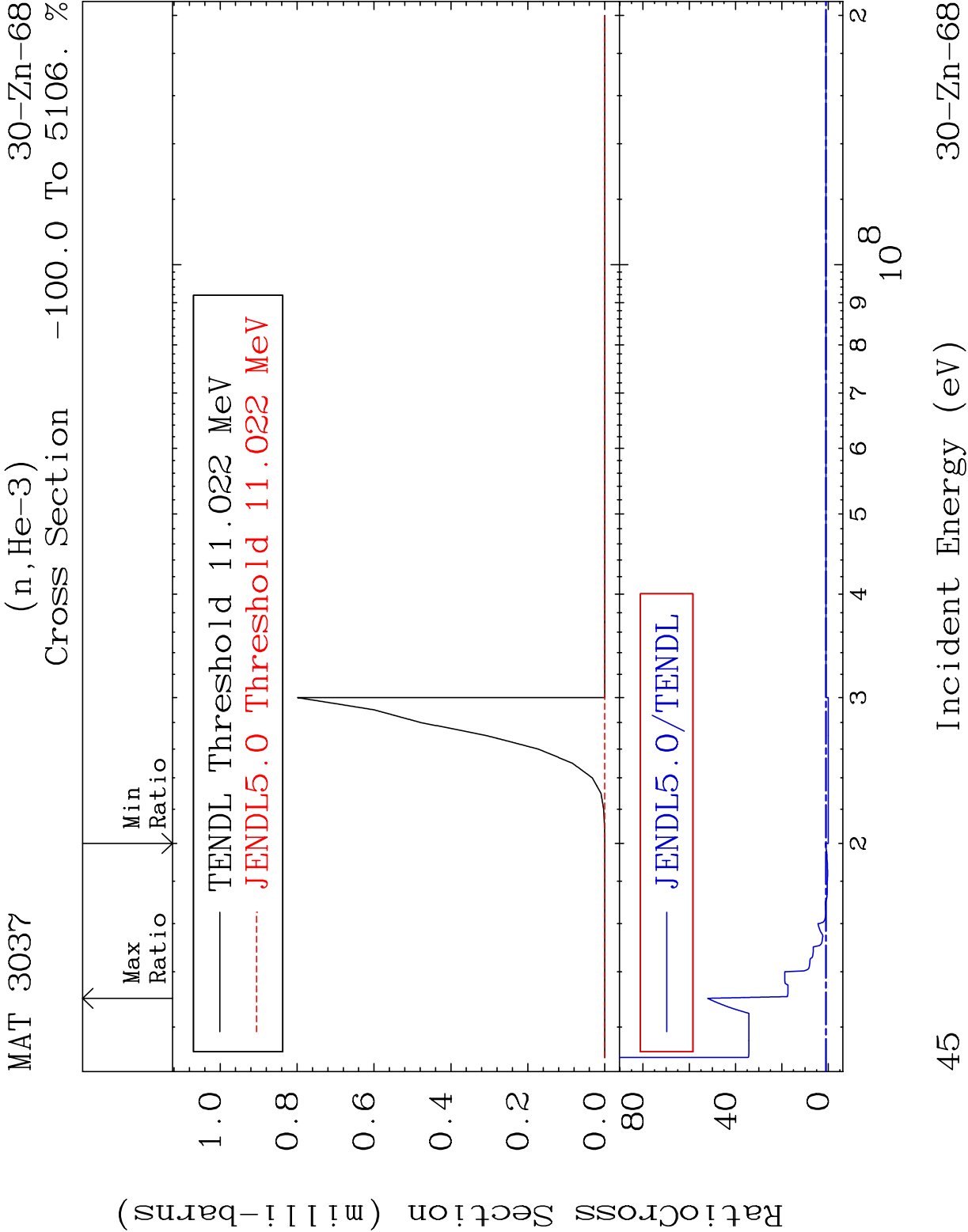


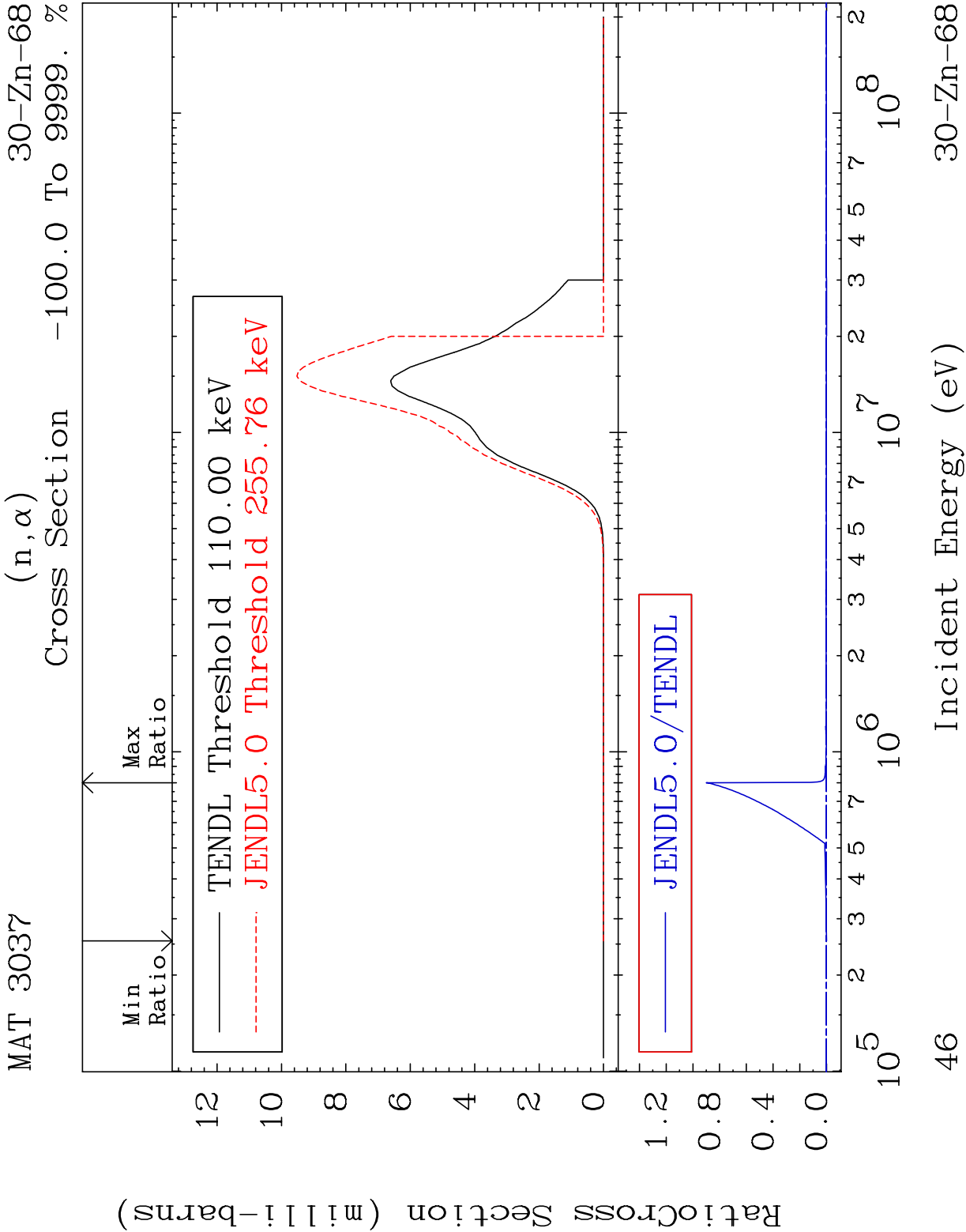
41 Incident Energy (eV) 30-Zn-68

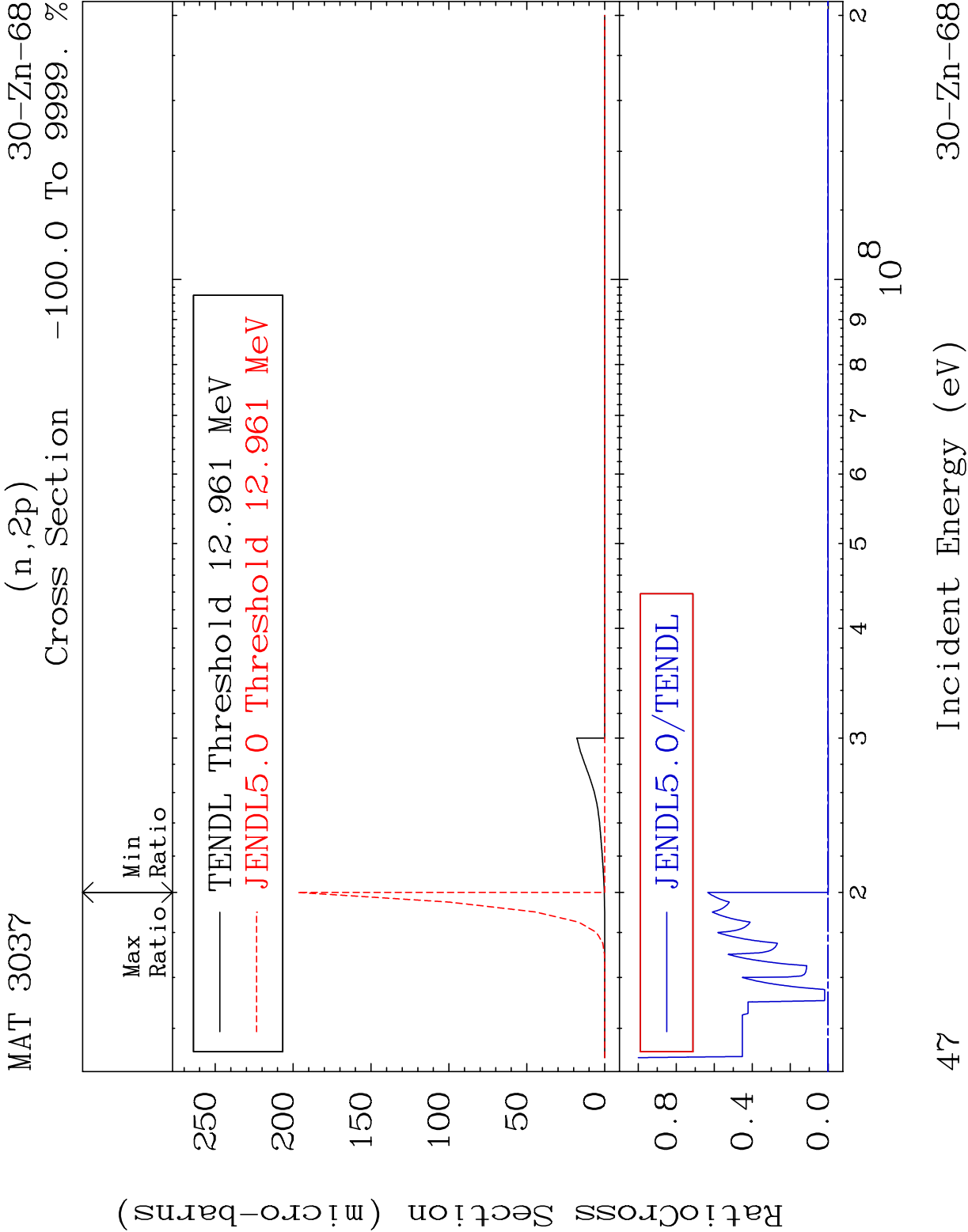


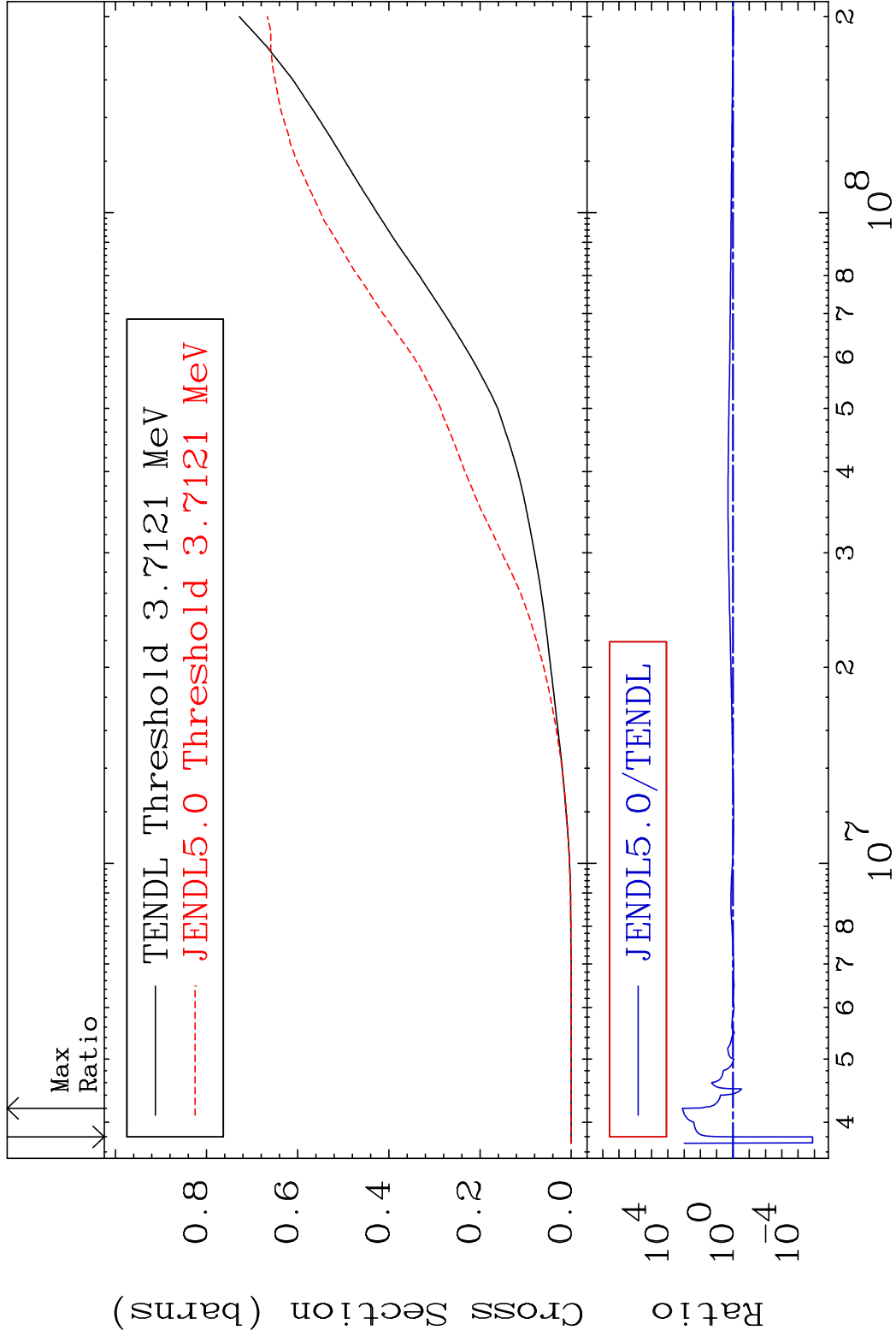


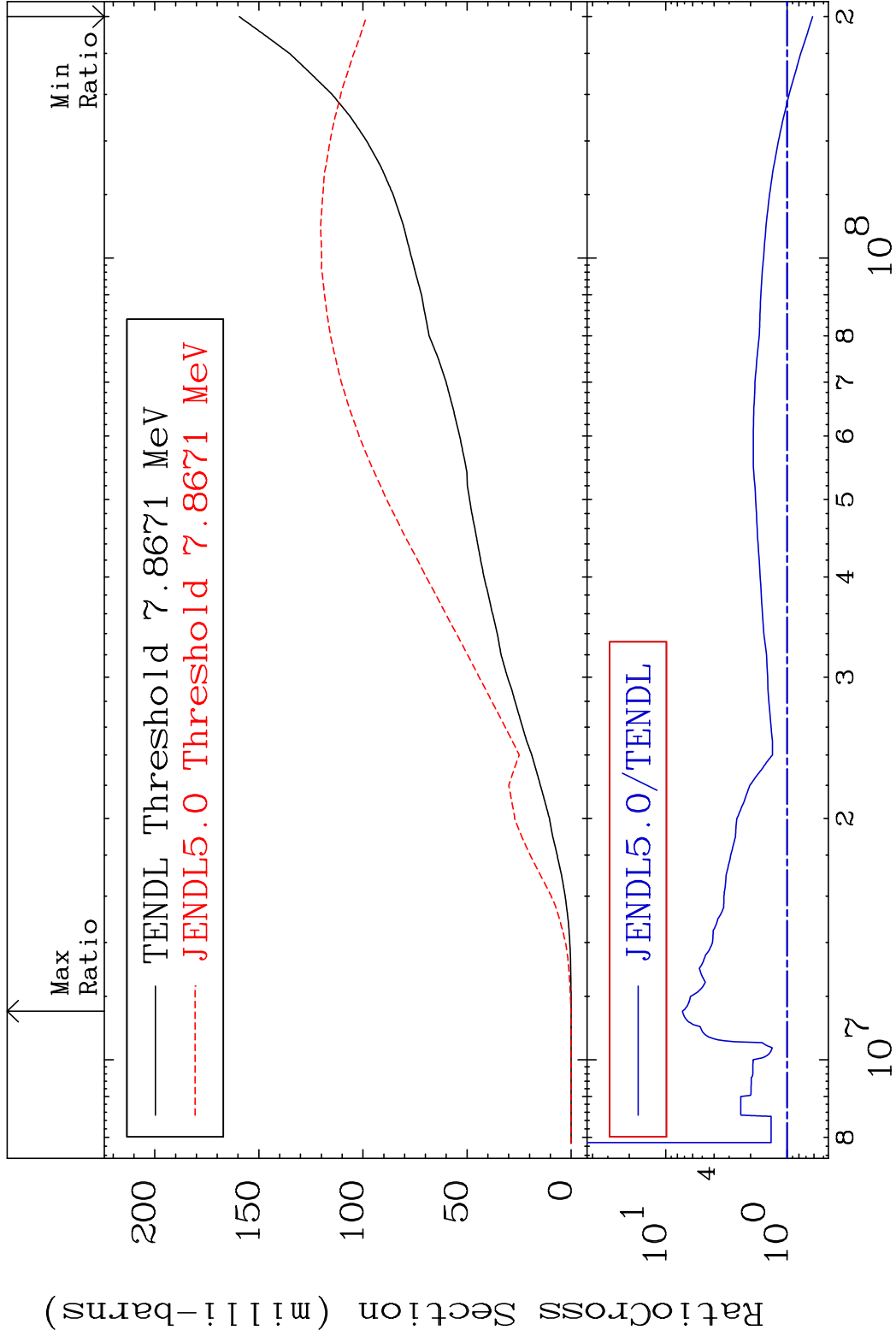


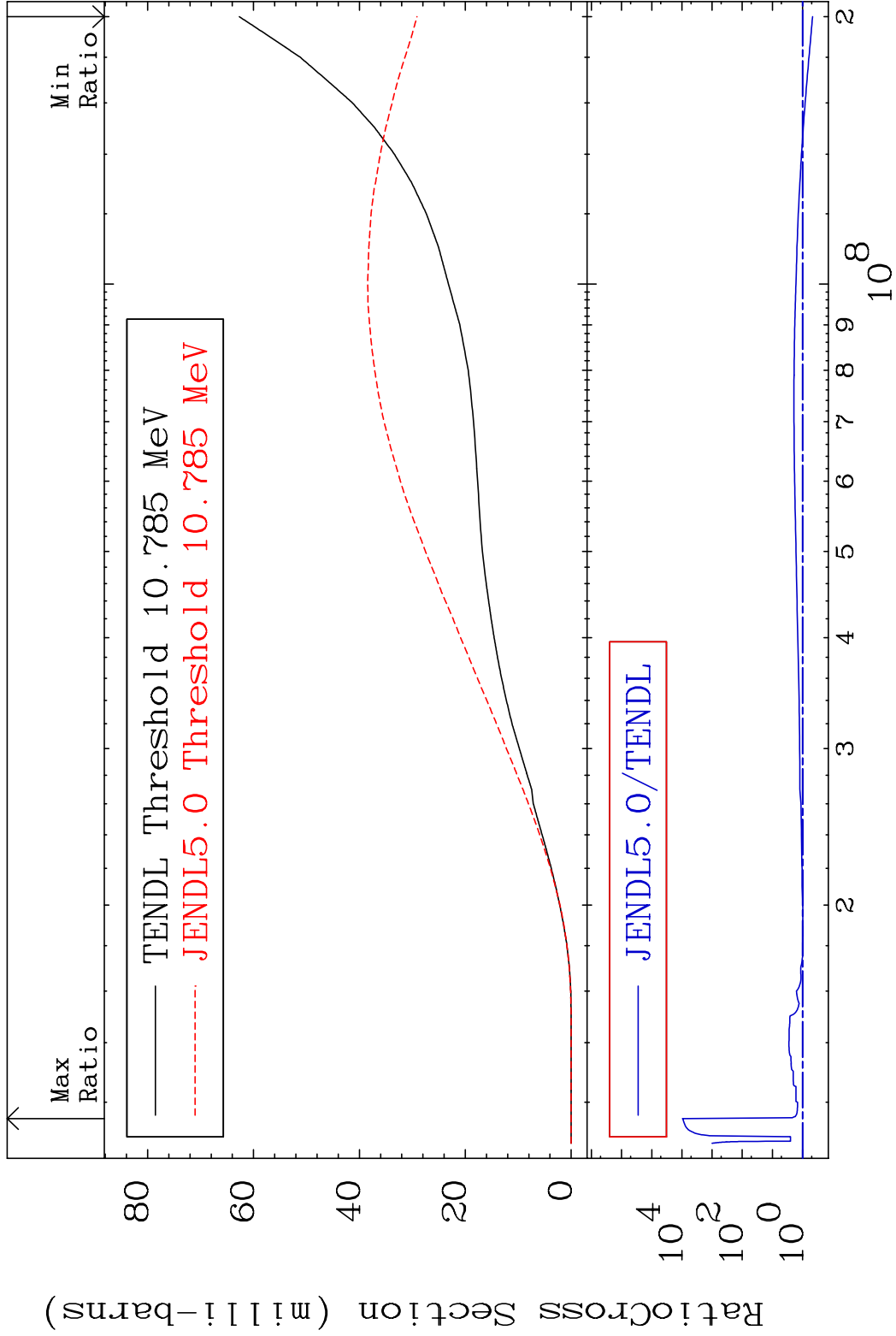


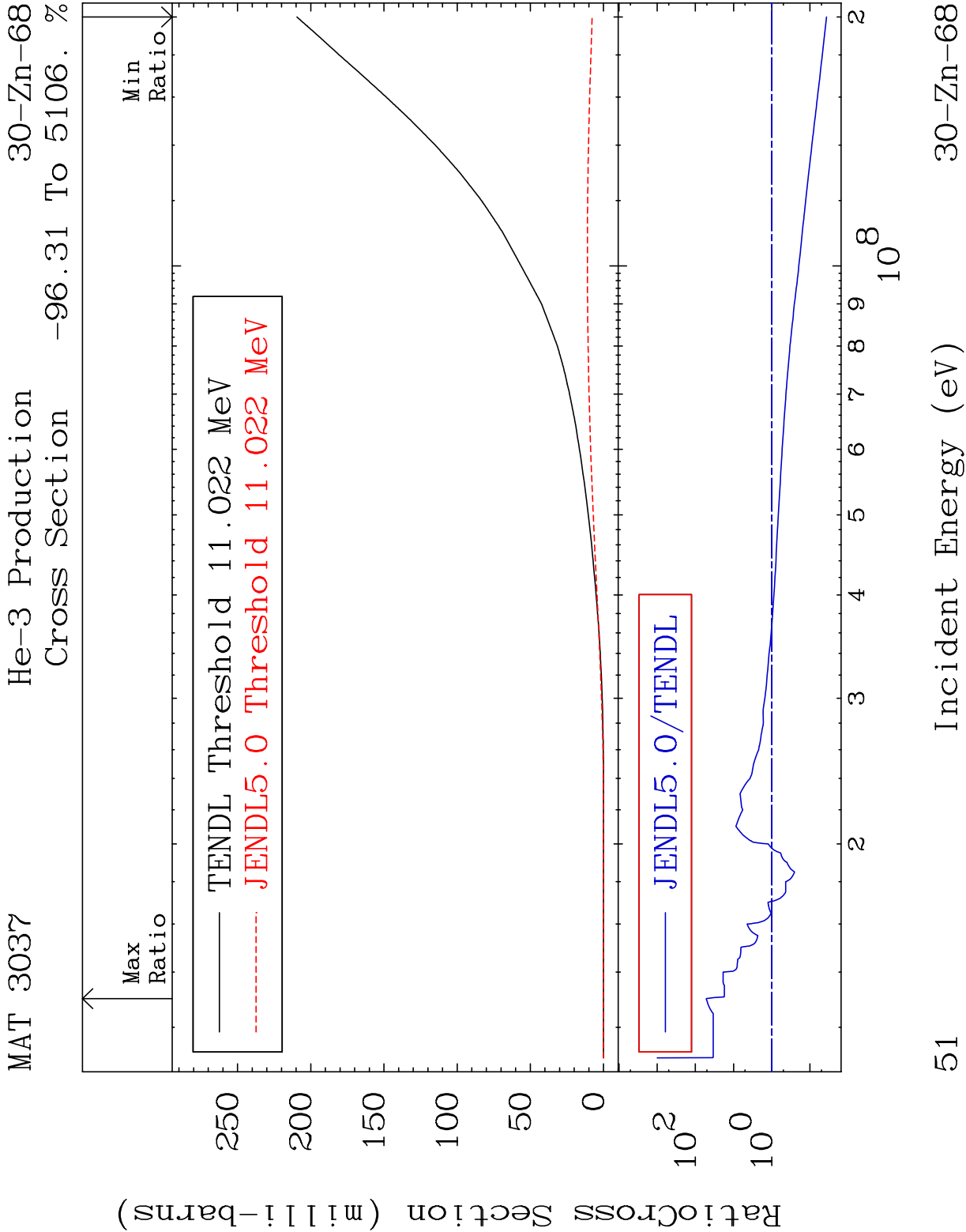


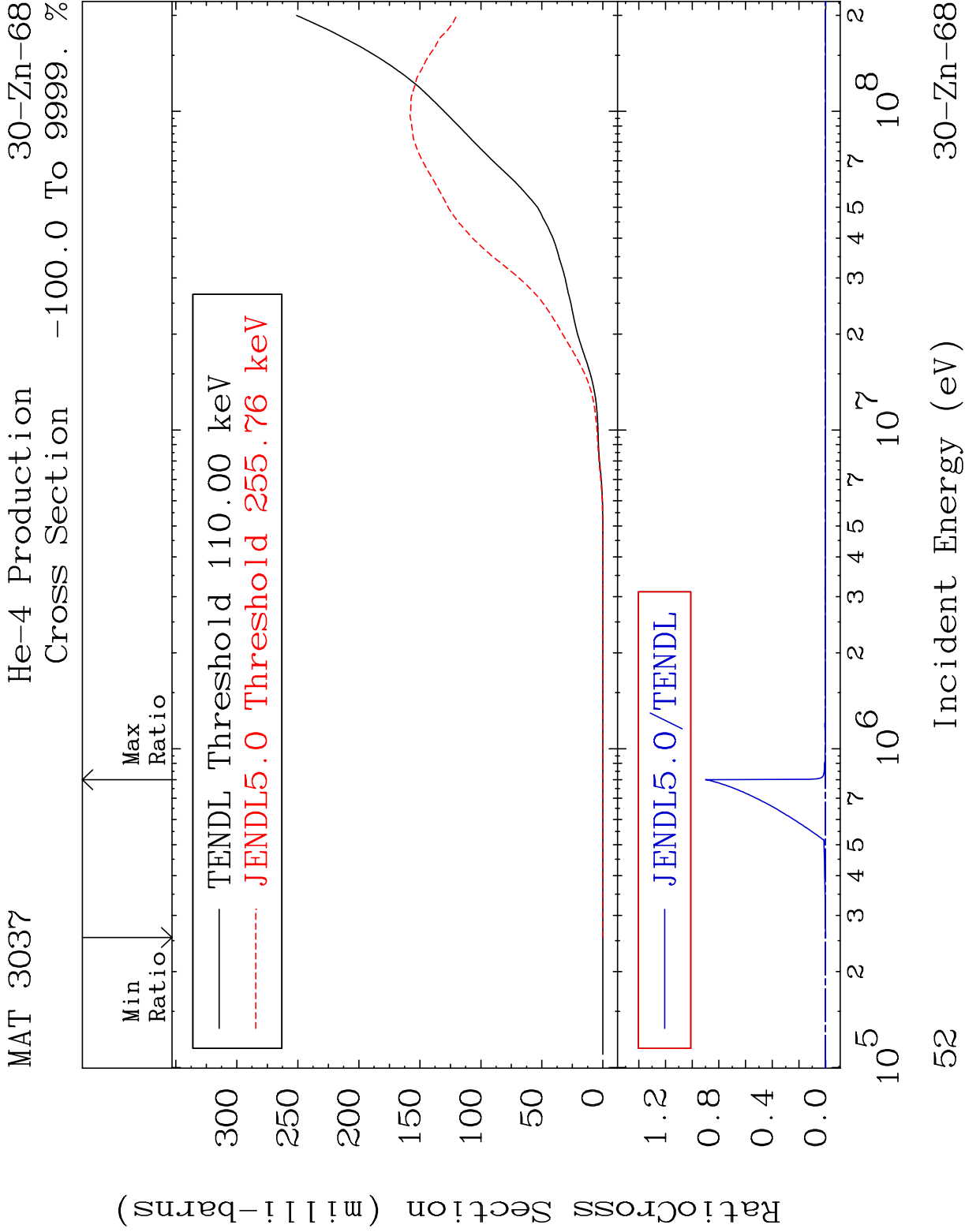


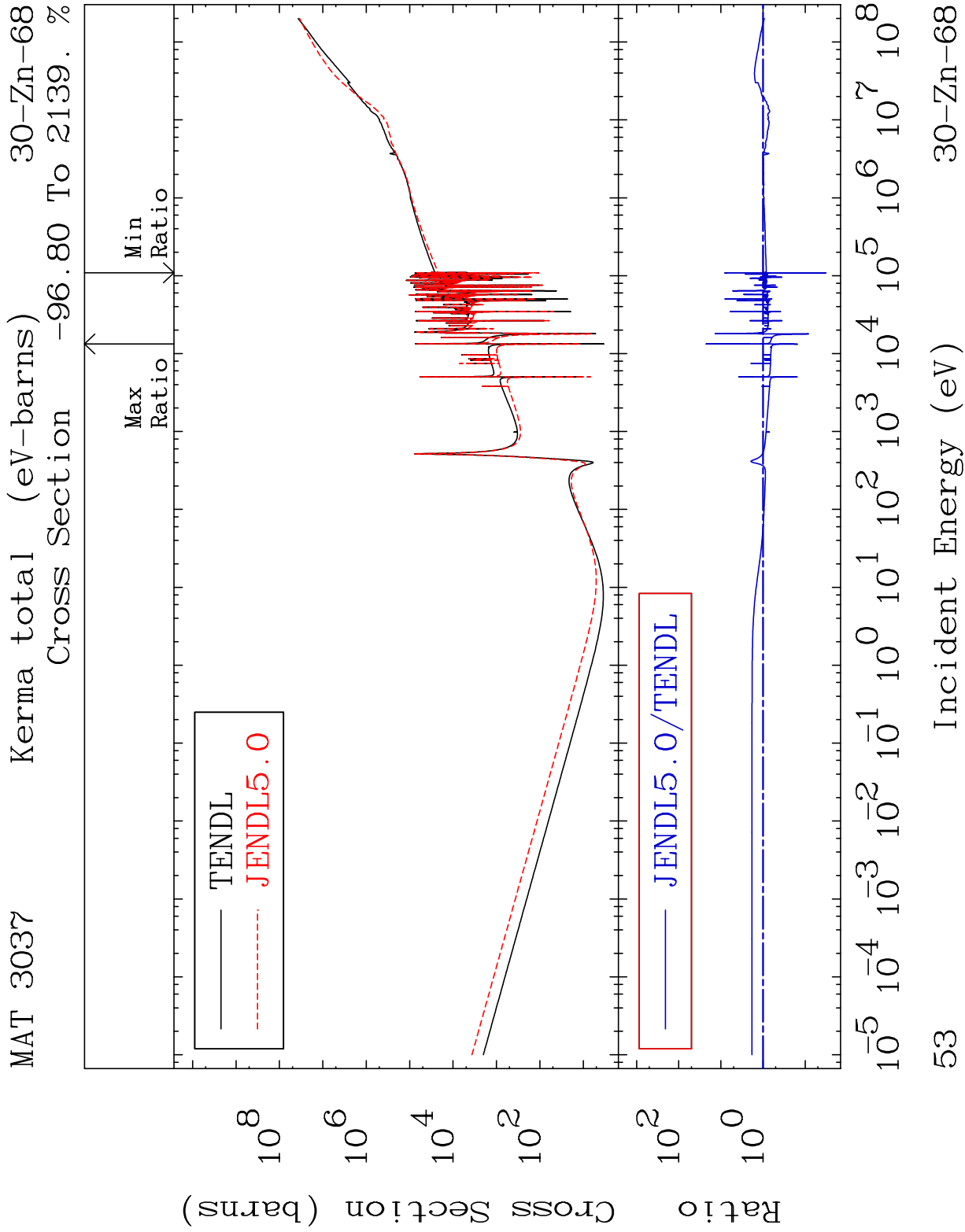










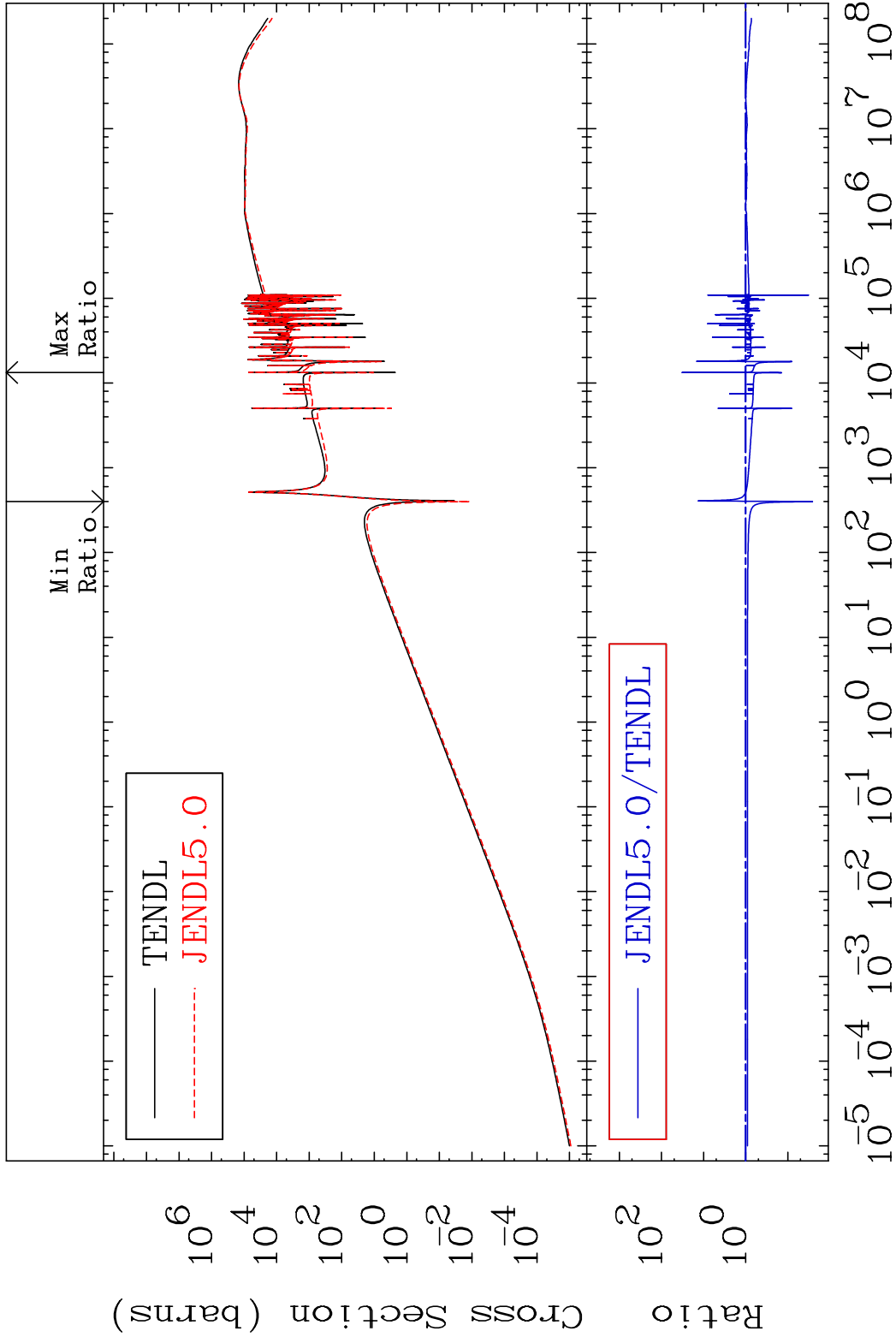


MAT 3037

Kerma elastic
Cross Section

-97.41 To 3125. %

30-Zn-68



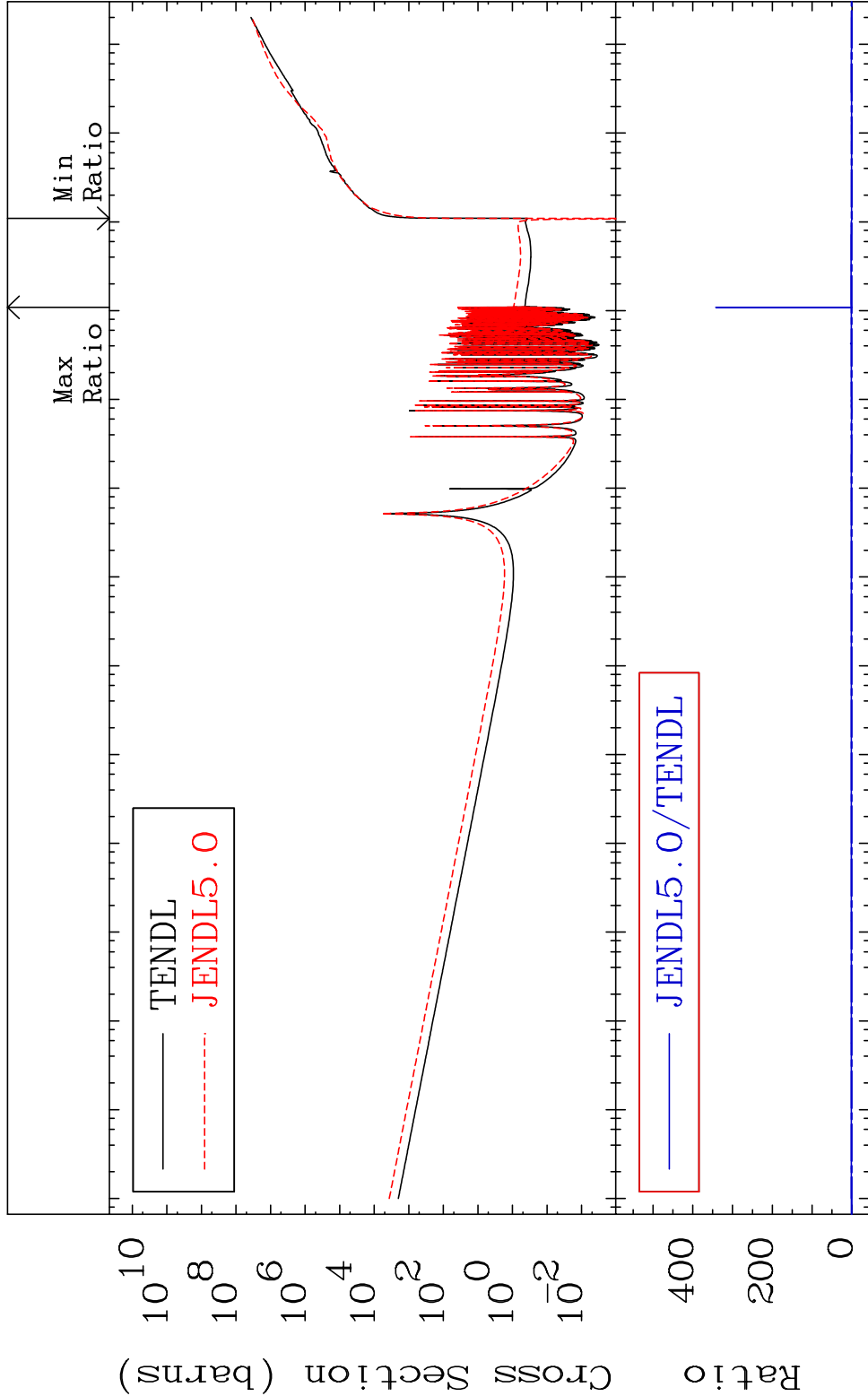
54

Incident Energy (eV)

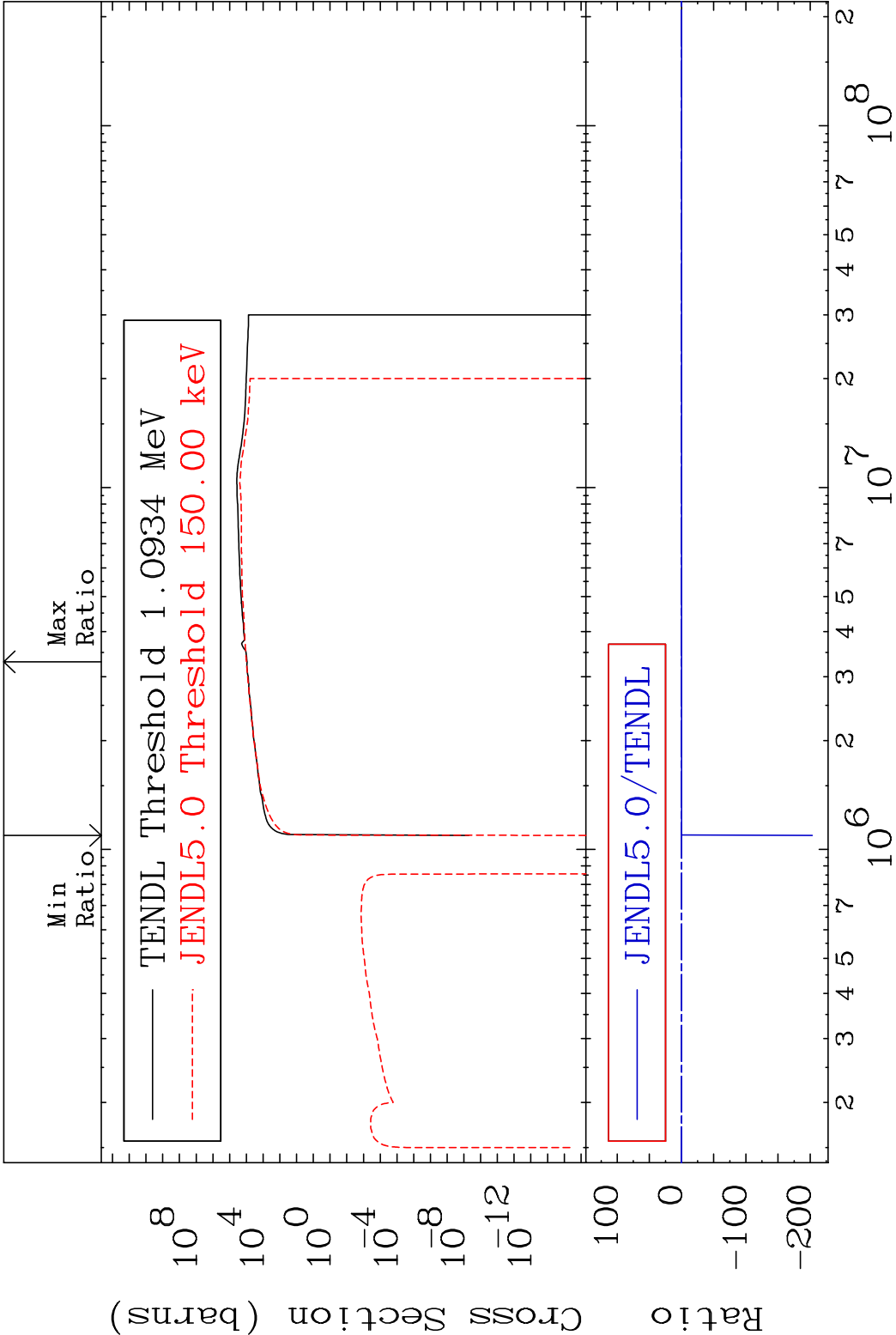
30-Zn-68

MAT 3037 Kerma non-elastic (all but mt2) 30-Zn-68

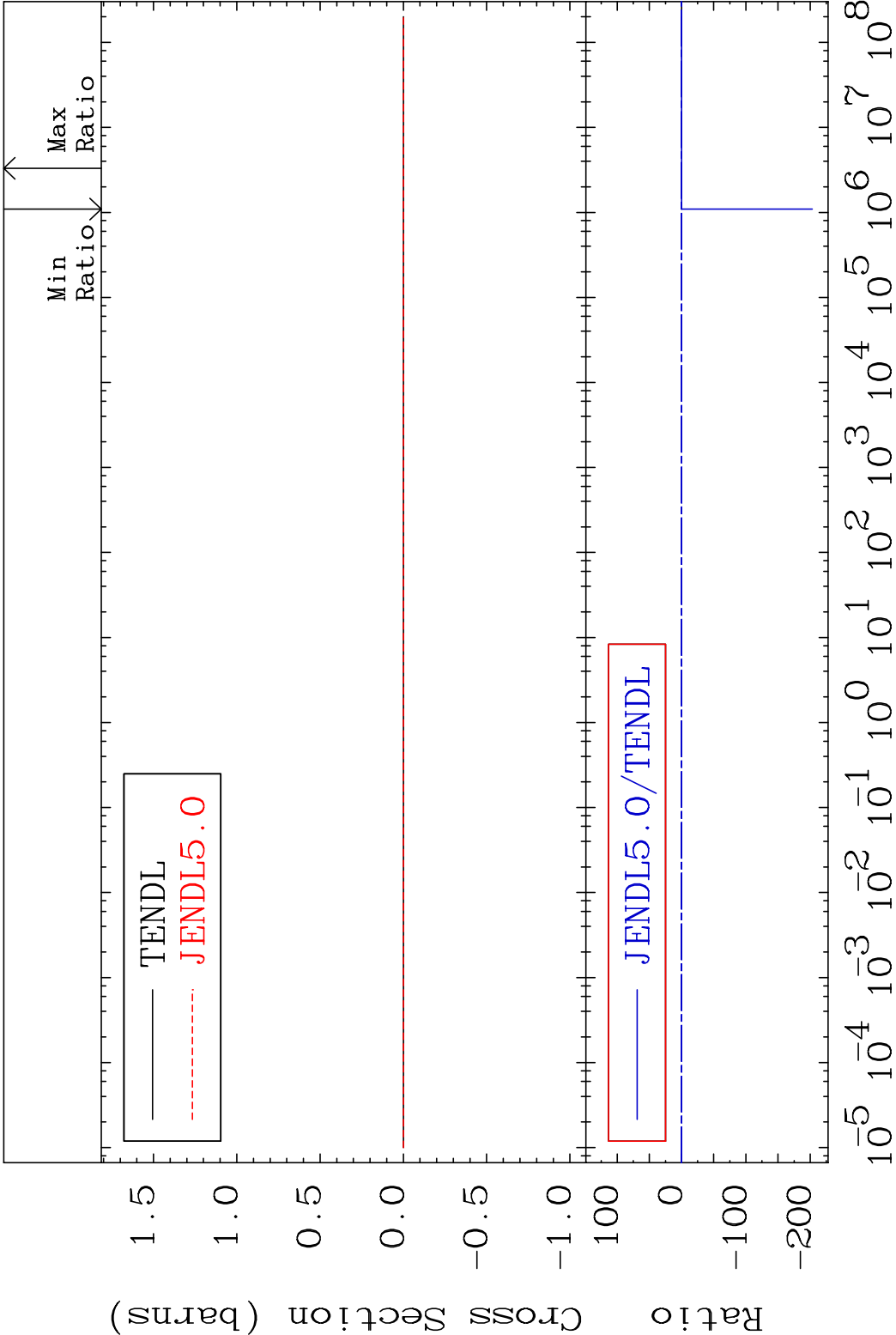
Cross Section -168.5 To 9999. %

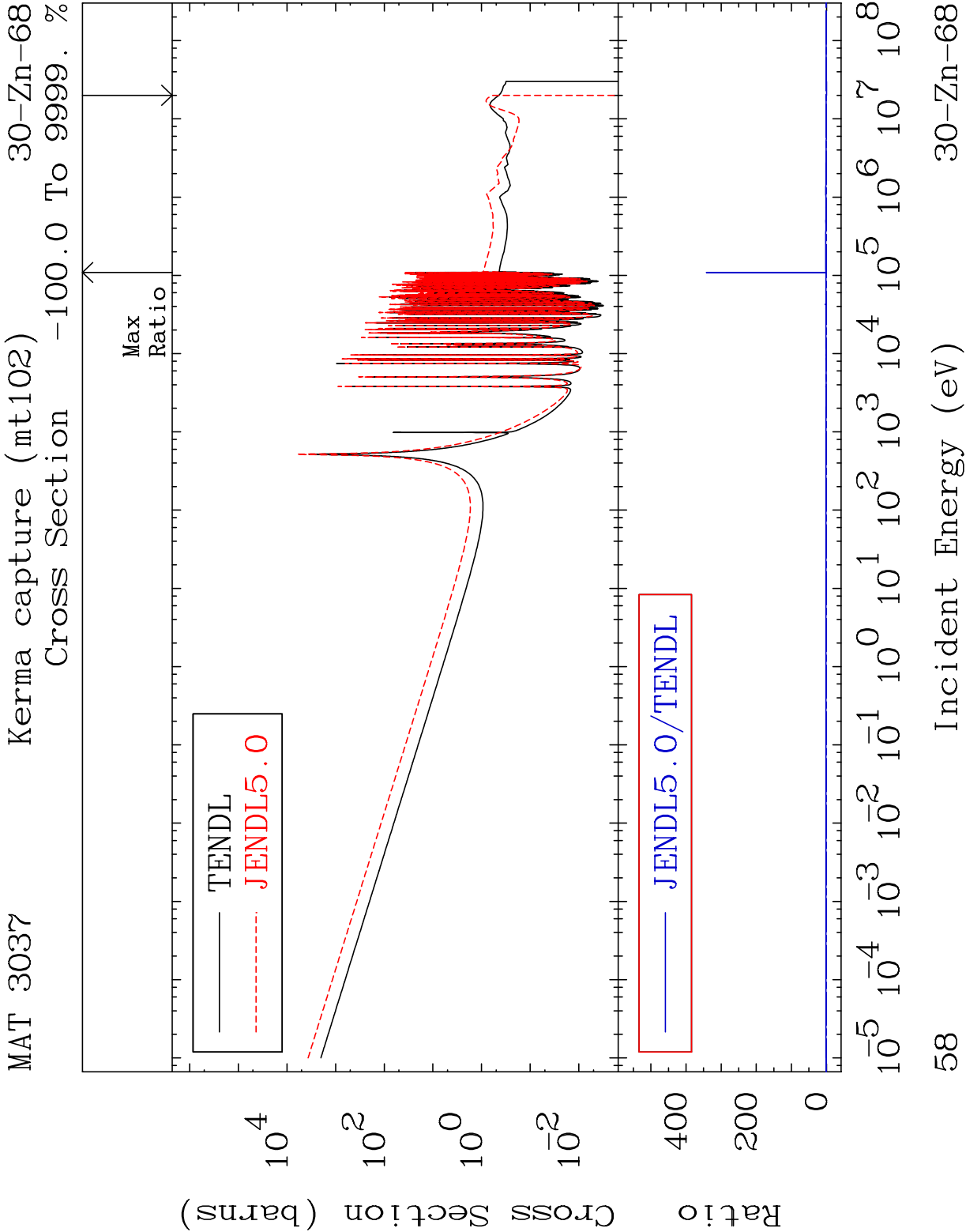


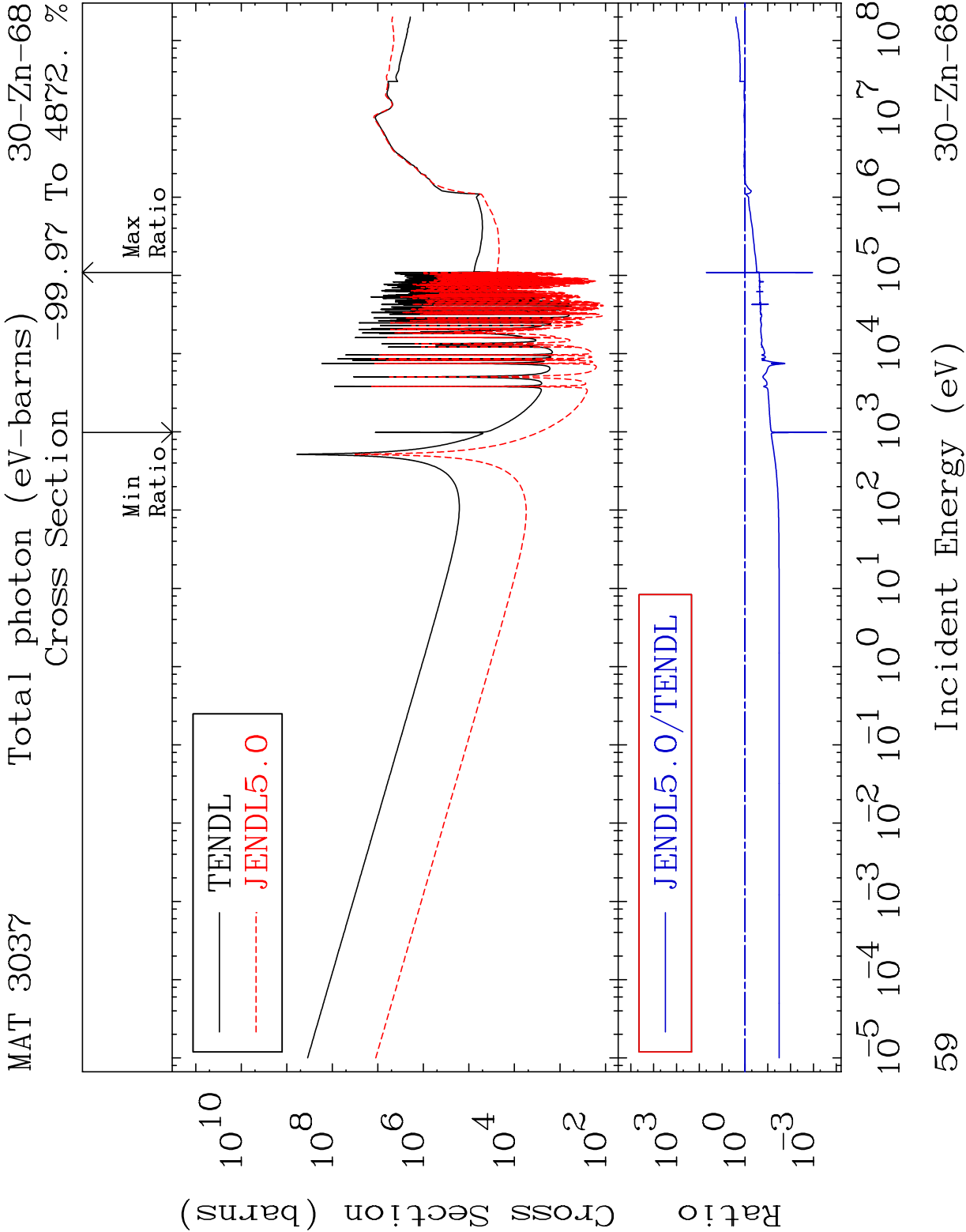
55 Incident Energy (eV) 30-Zn-68



MAT 3037 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-68
Cross Section -9999. To 8.039 %

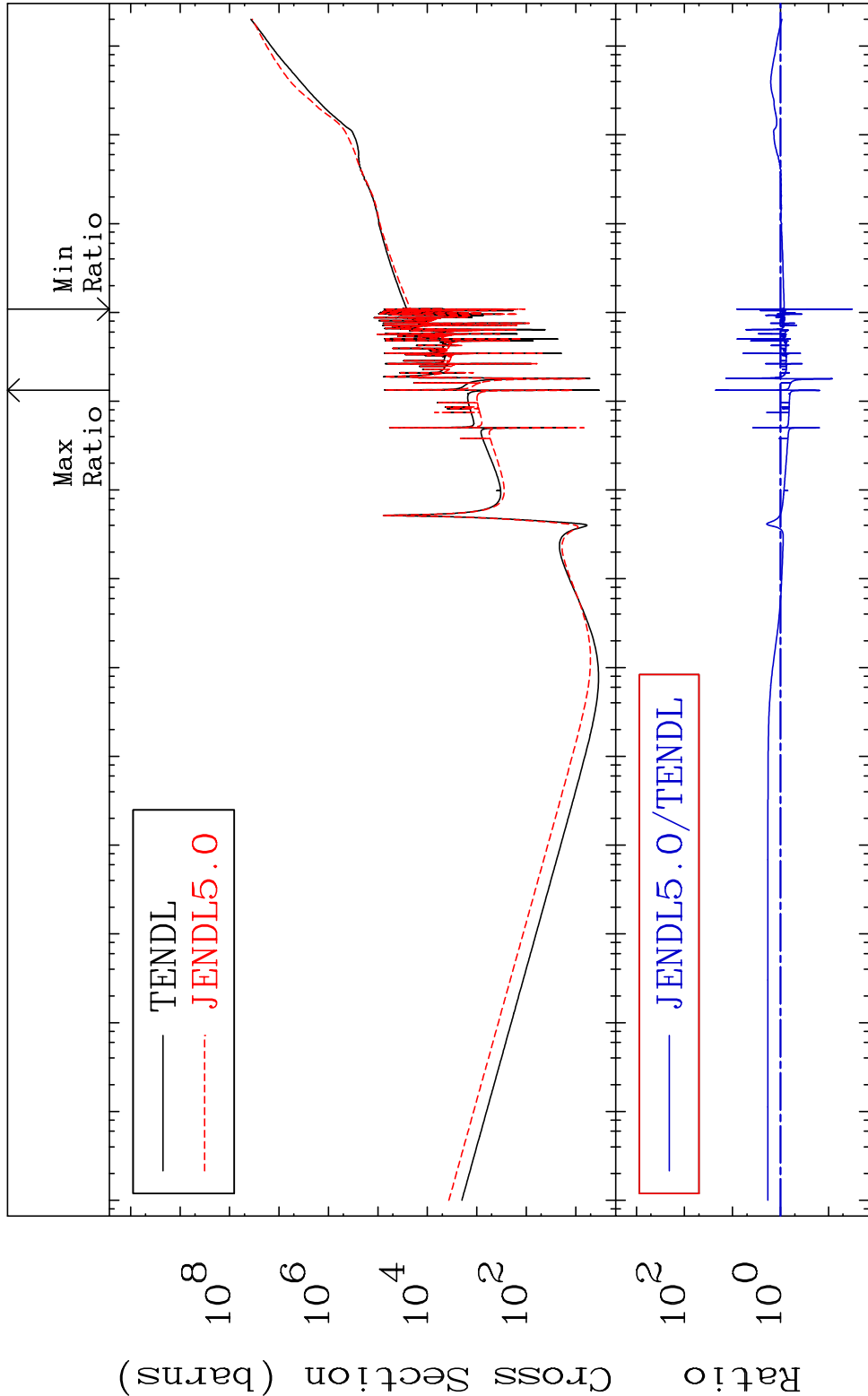






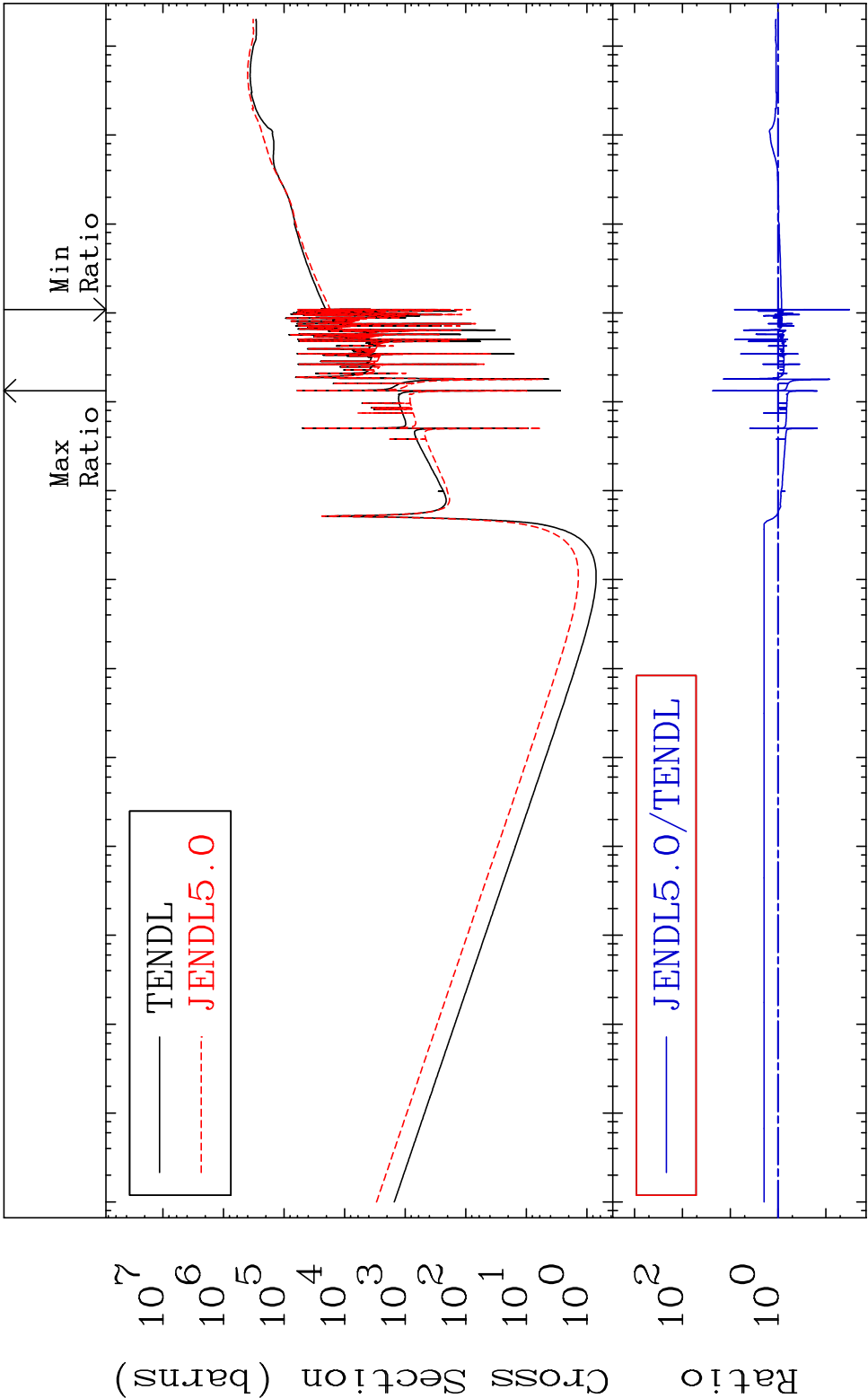
MAT 3037 Total kinematic kerma (high limit) 30-Zn-68

Cross Section -96.80 To 2139. %



60 Incident Energy (eV) 30-Zn-68

MAT 3037 Dpa total (eV-barns) 30-Zn-68
Cross Section -96.80 To 2212. %



61 Incident Energy (eV) 30-Zn-68

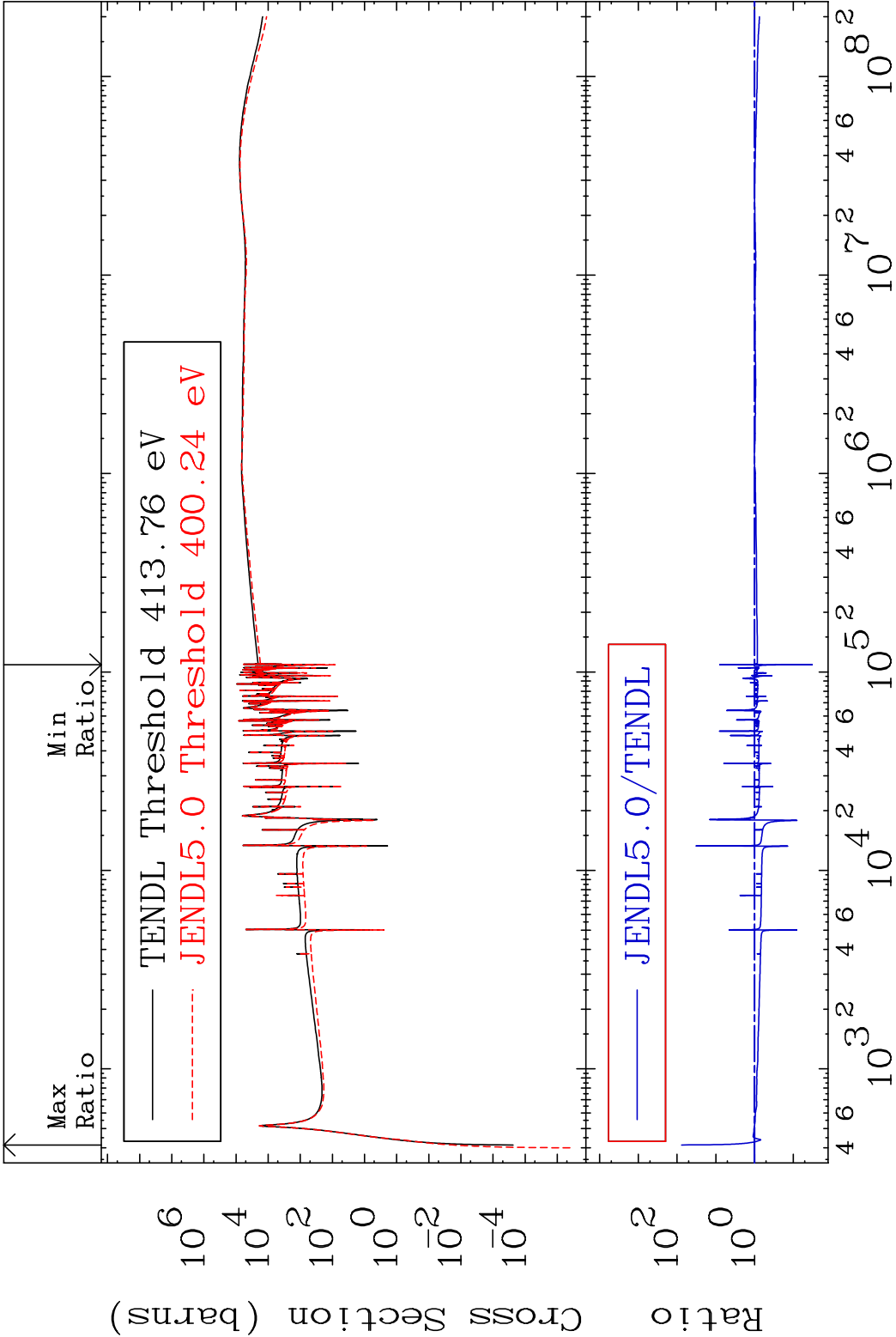
MAT 3037

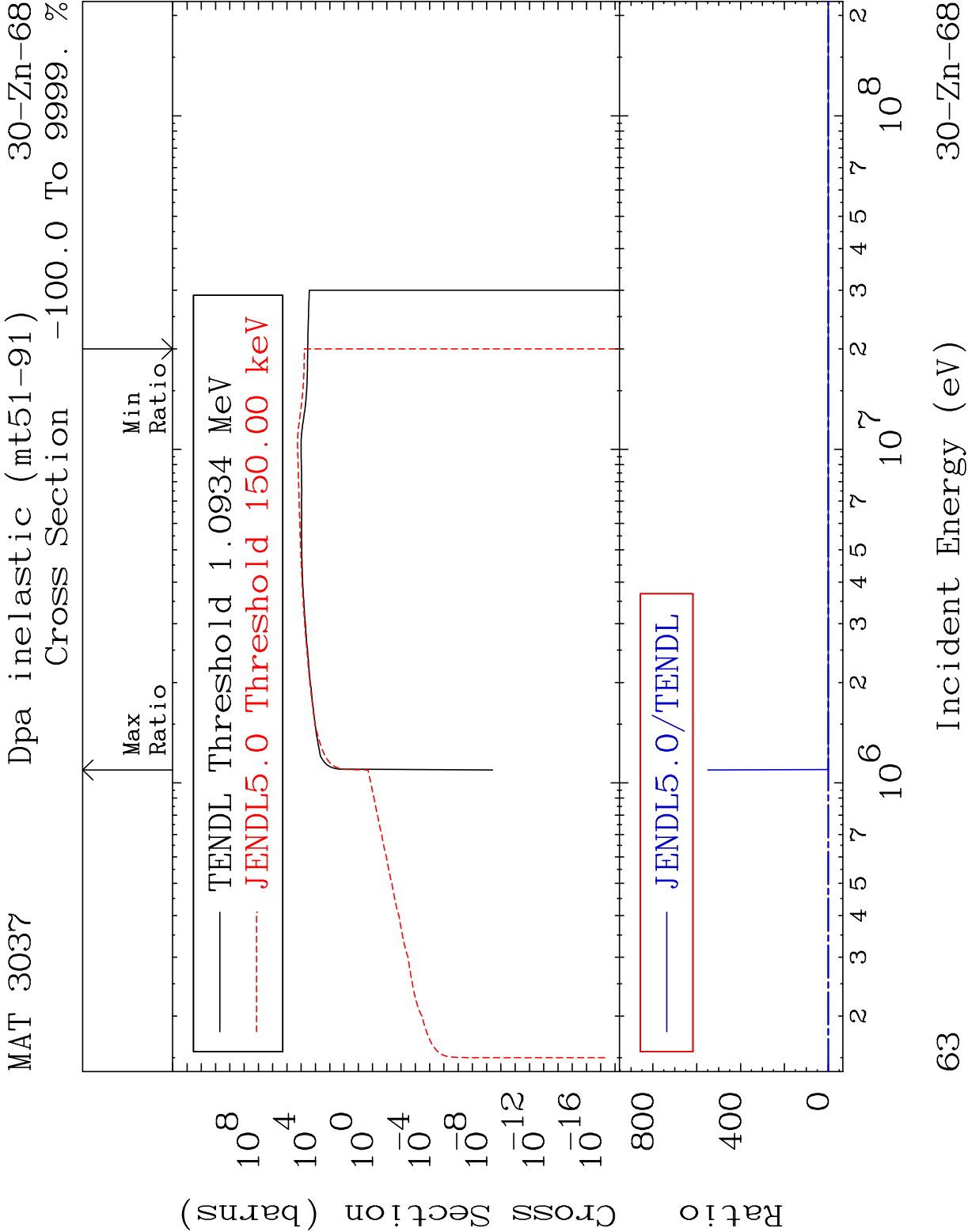
Dpa elastic (mt2)

30-Zn-68

Cross Section

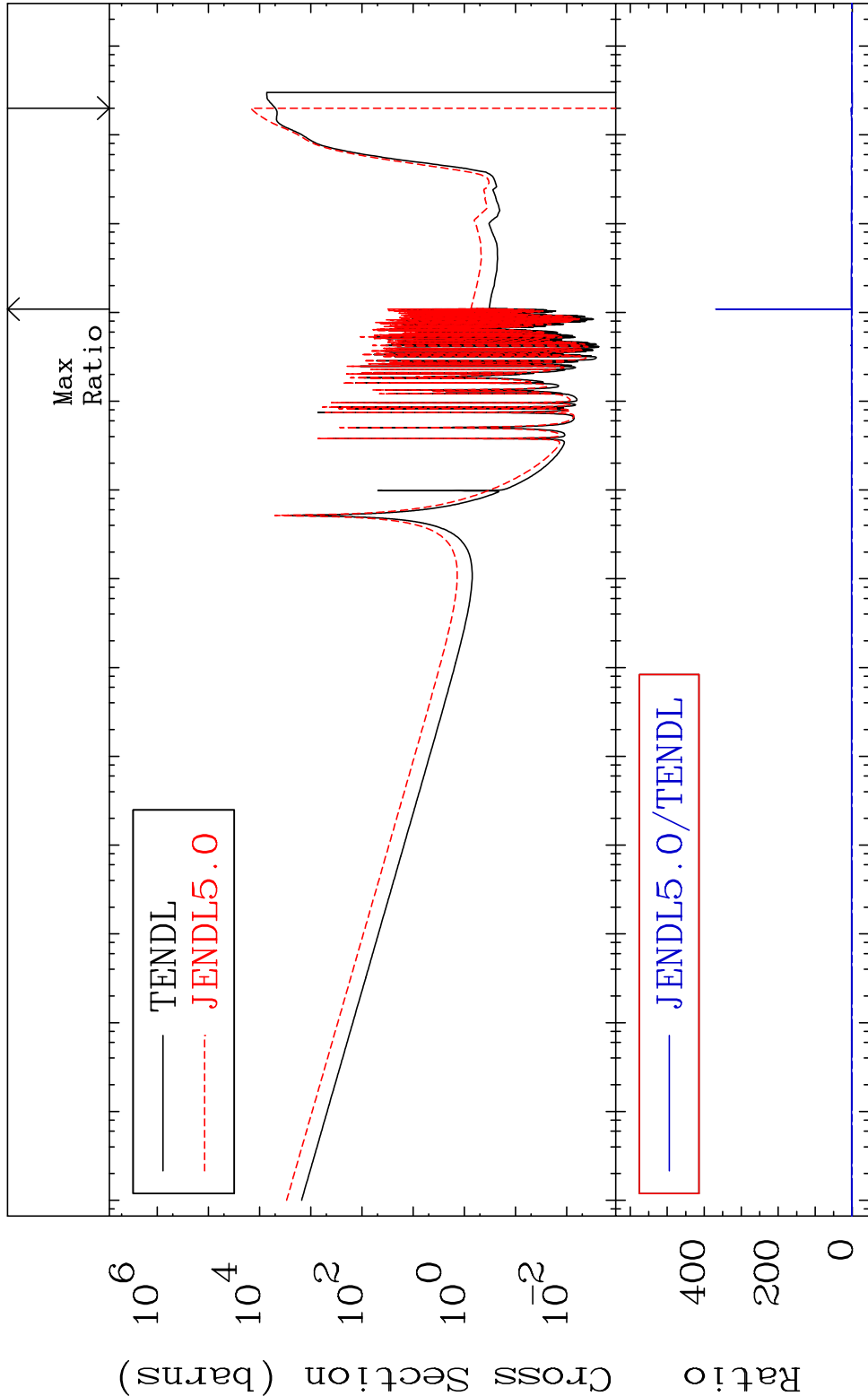
-96.78 To 7582. %

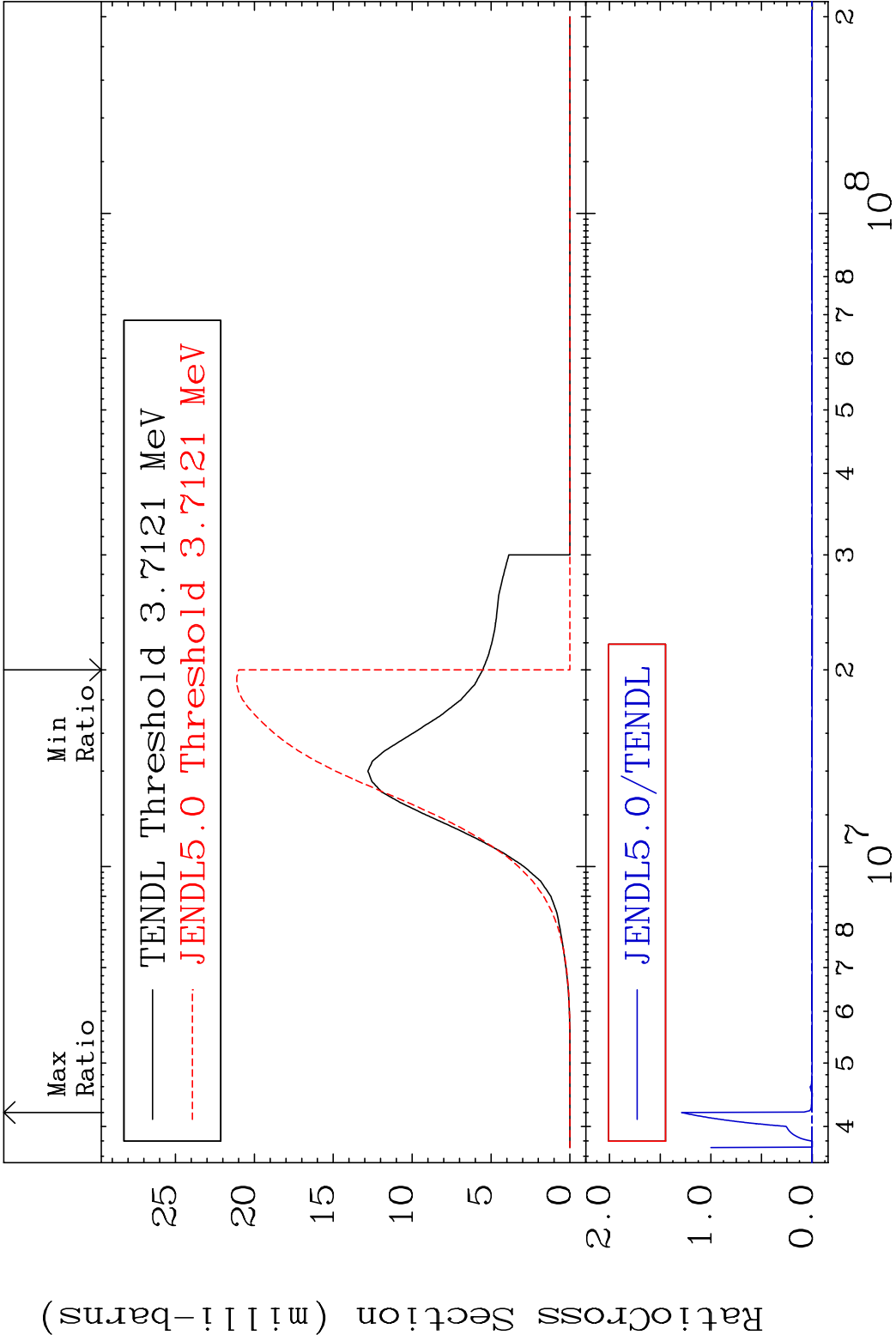


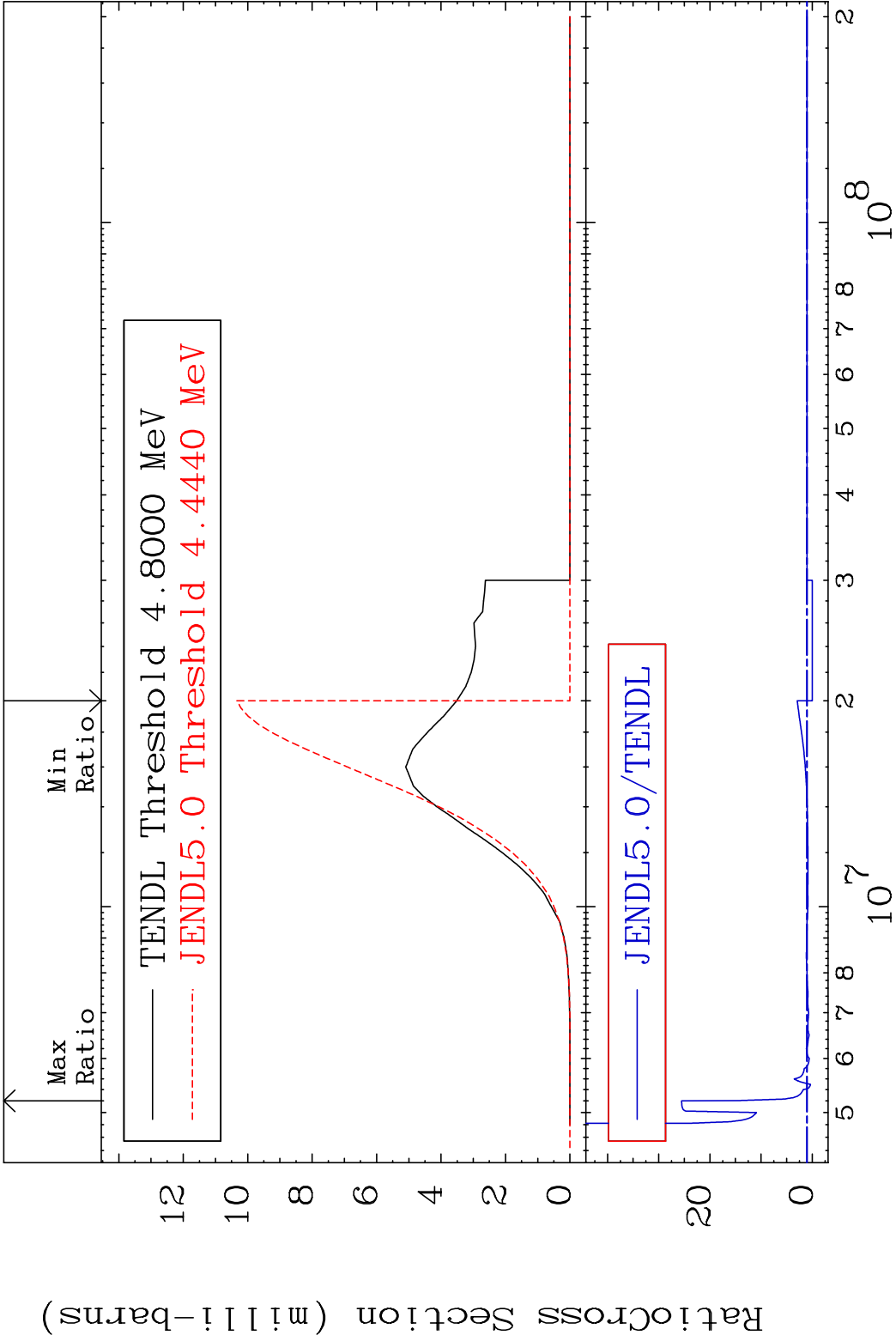


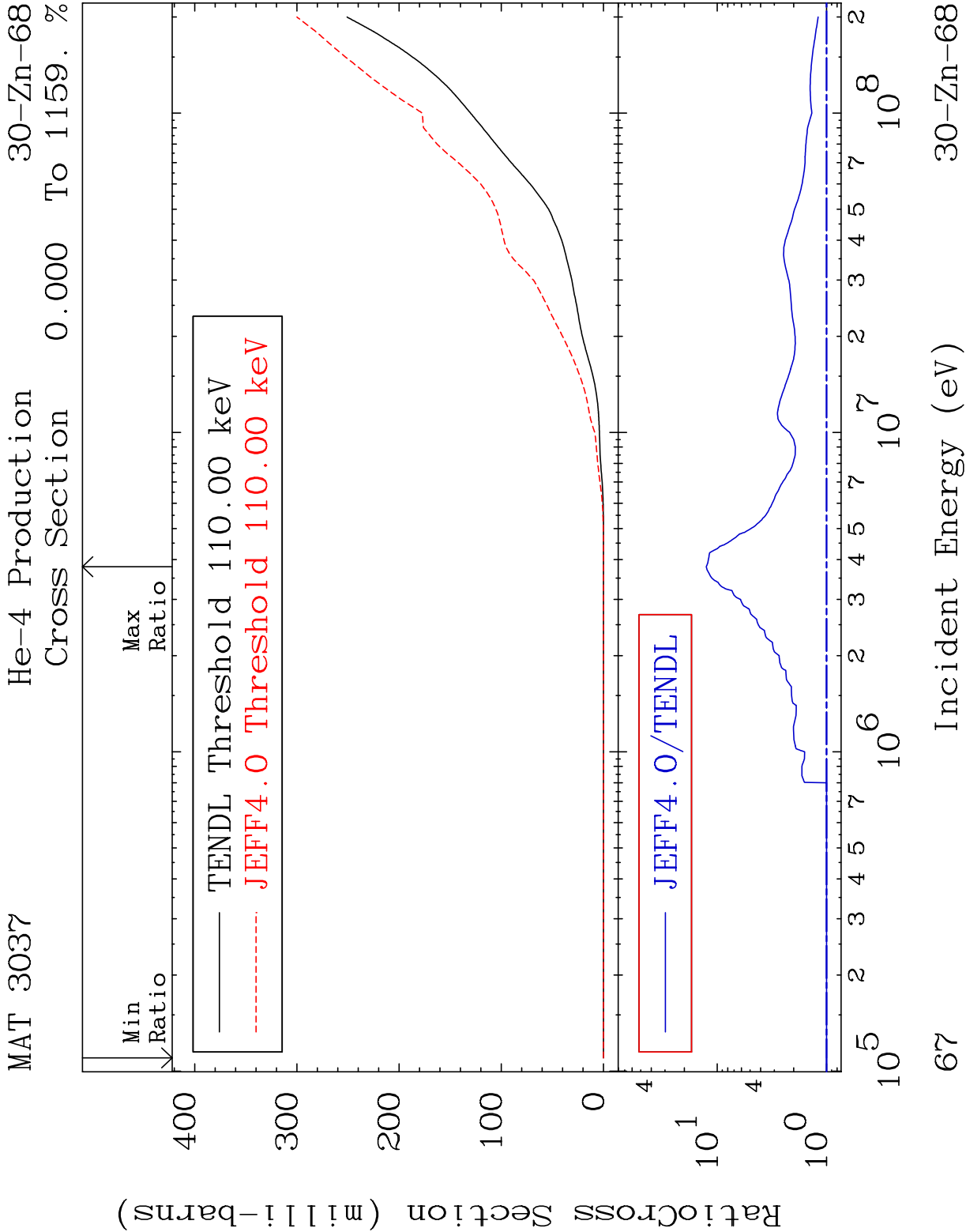
MAT 3037 Dpa disappearance (mt102 -120) 30-Zn-68

Cross Section -100.0 To 9999. %







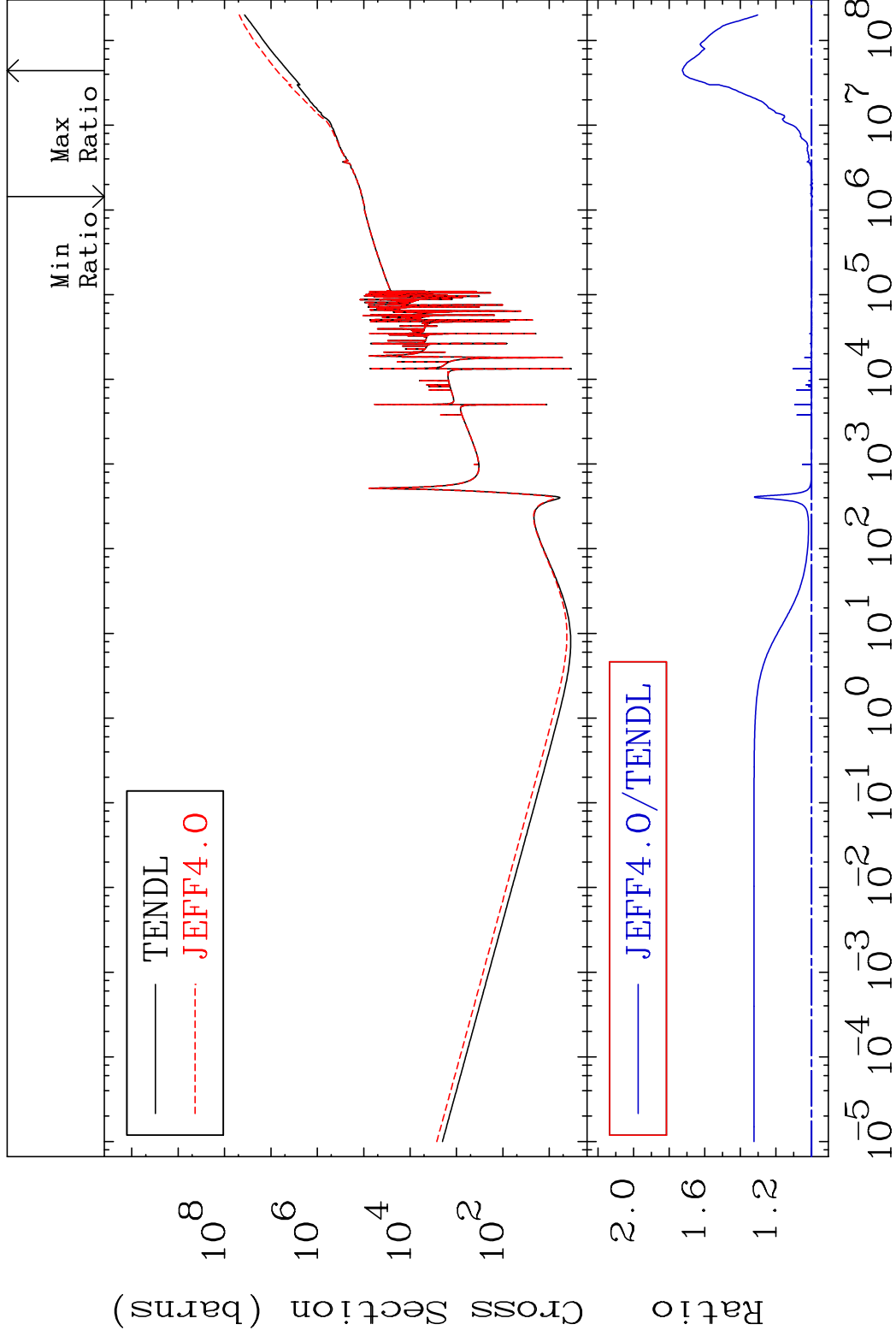


MAT 3037

Kerma total (eV-barns)

30-Zn-68

Cross Section -0.549 To 72.61 %



89

Incident Energy (eV)

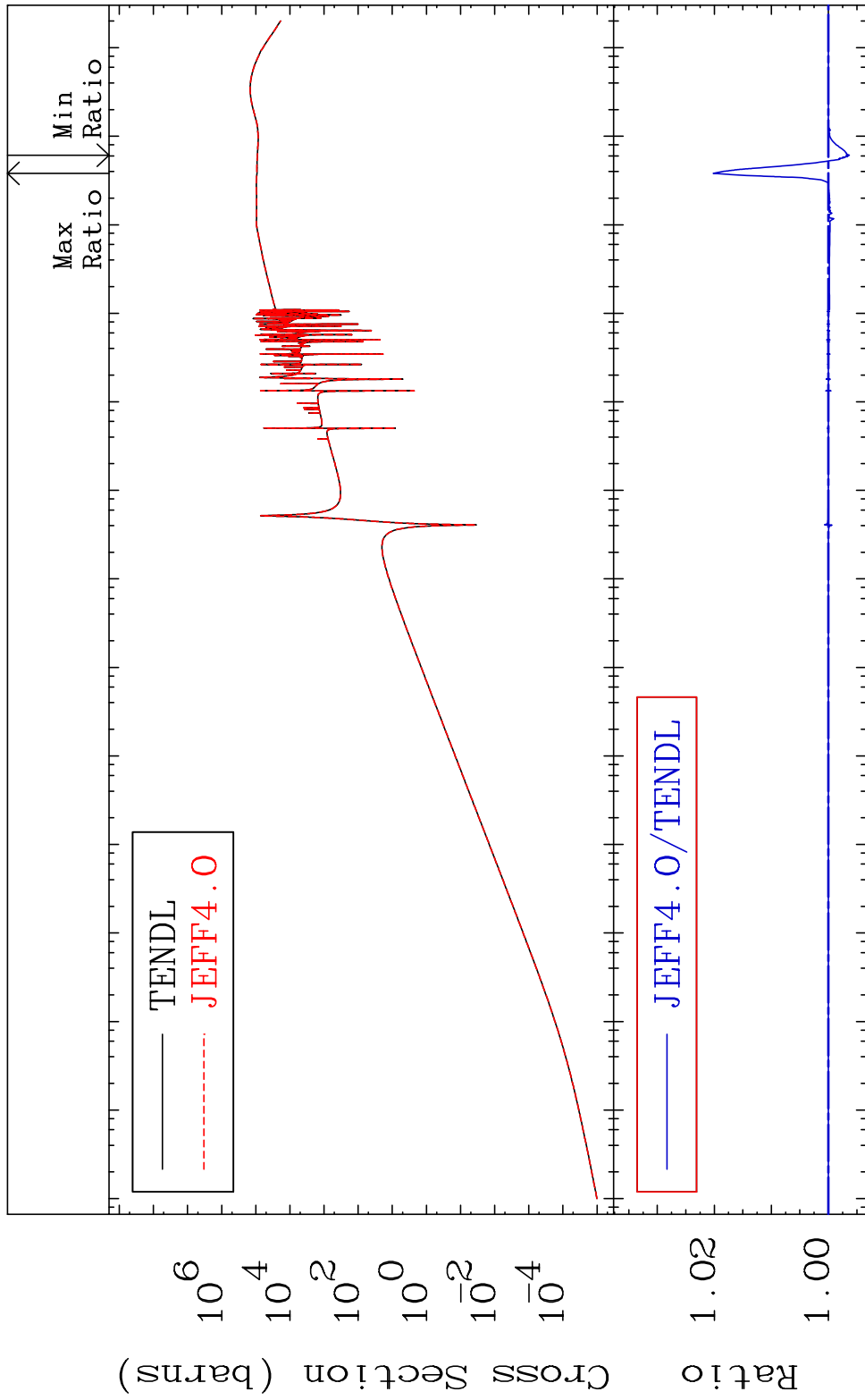
30-Zn-68

MAT 3037

Kerma elastic

30-Zn-68

Cross Section -0.367 To 2.020 %

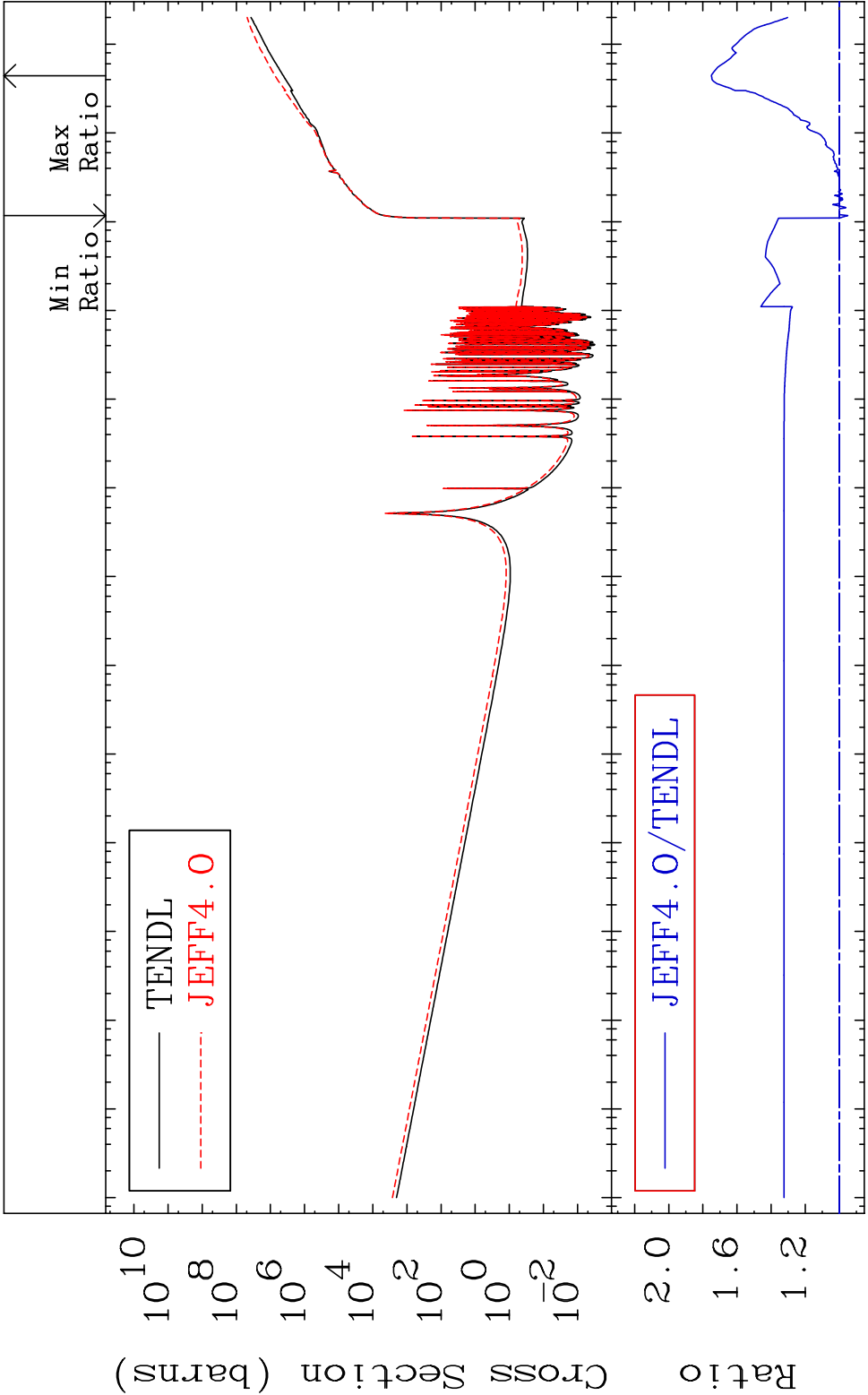


69

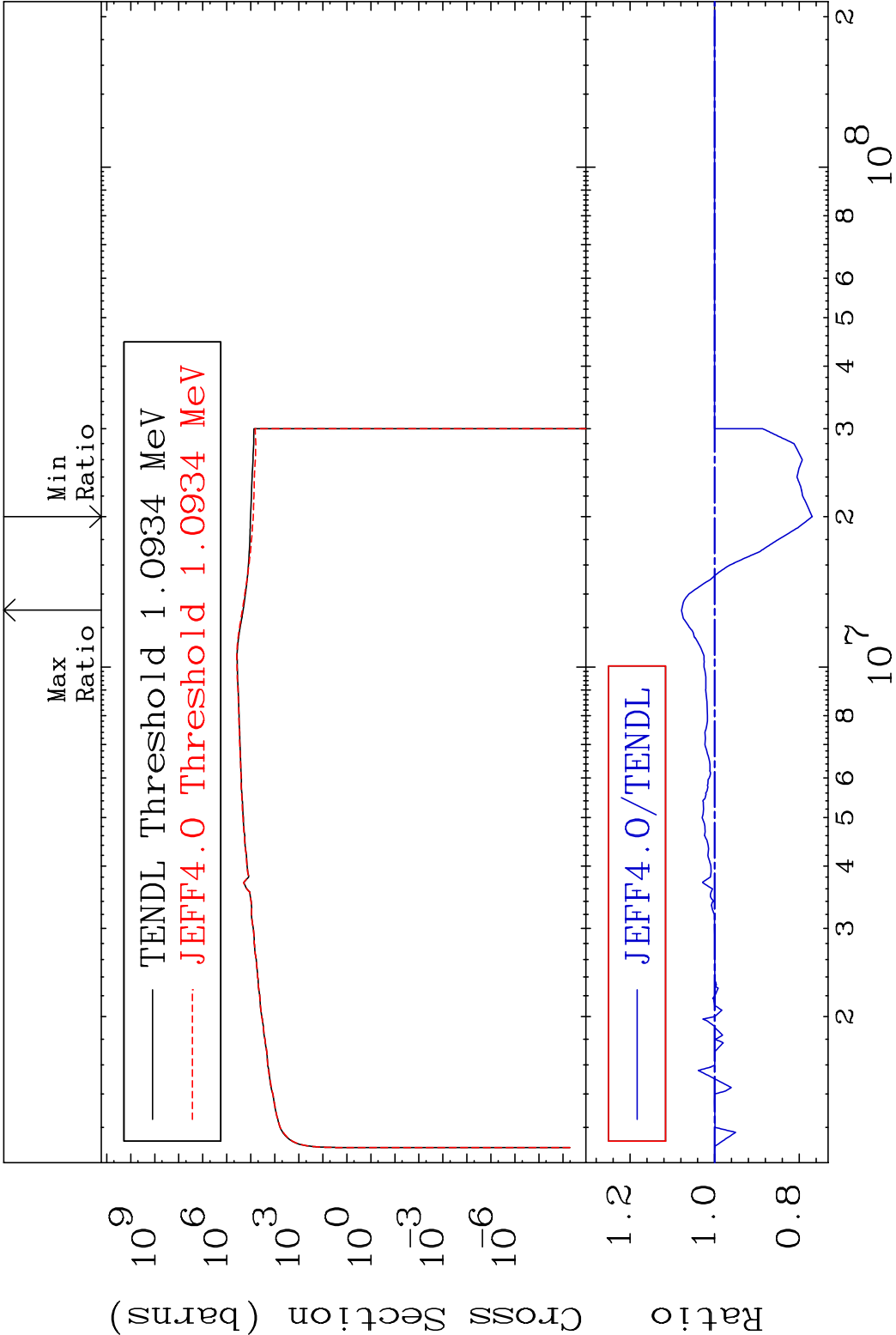
Incident Energy (eV)

30-Zn-68

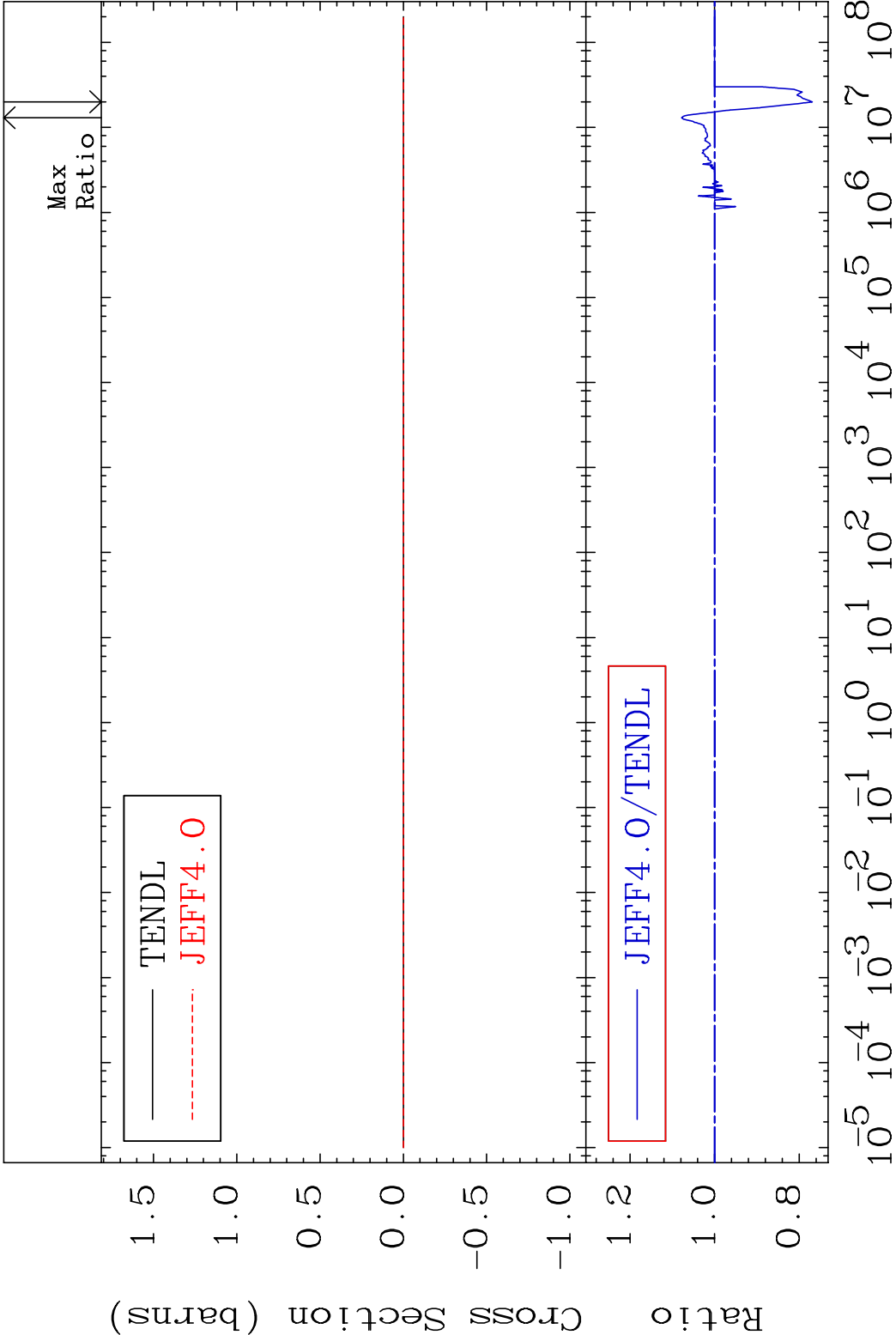
MAT 3037 Kerma non-elastic (all but mt2) 30-Zn-68
Cross Section -4.949 To 75.04 %

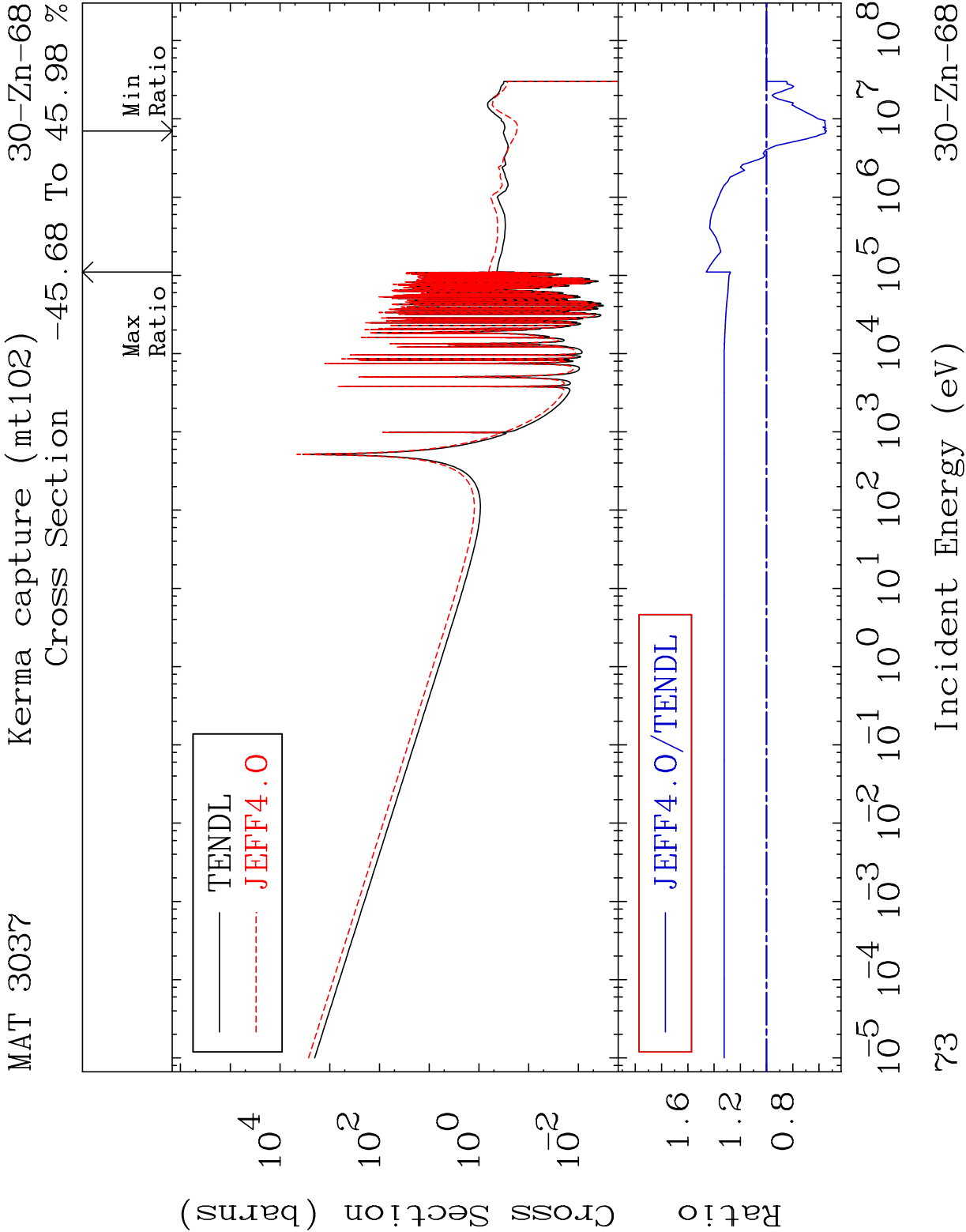


70 Incident Energy (eV) 30-Zn-68

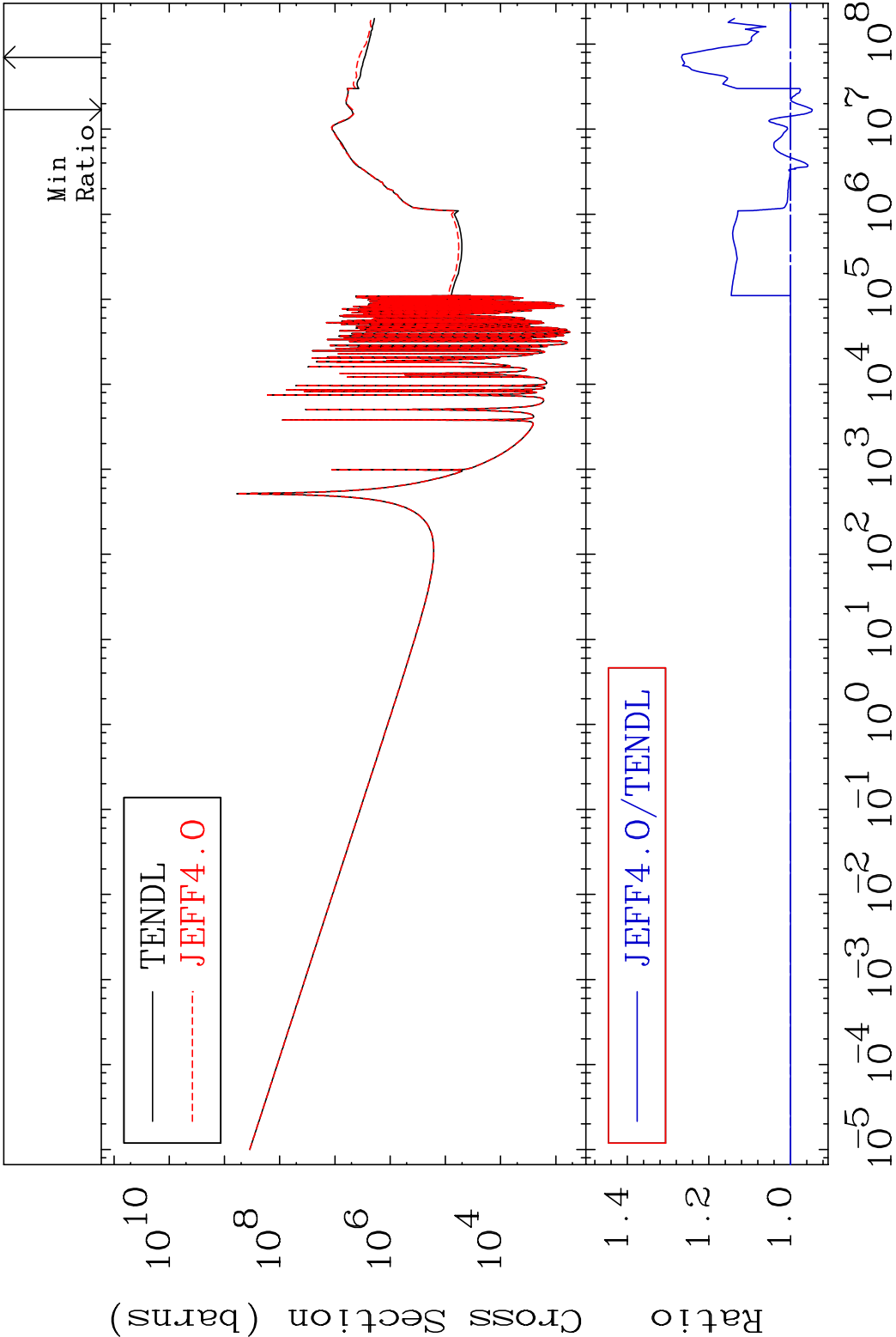


MAT 3037 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-68
Cross Section -23.06 To 7.822 %



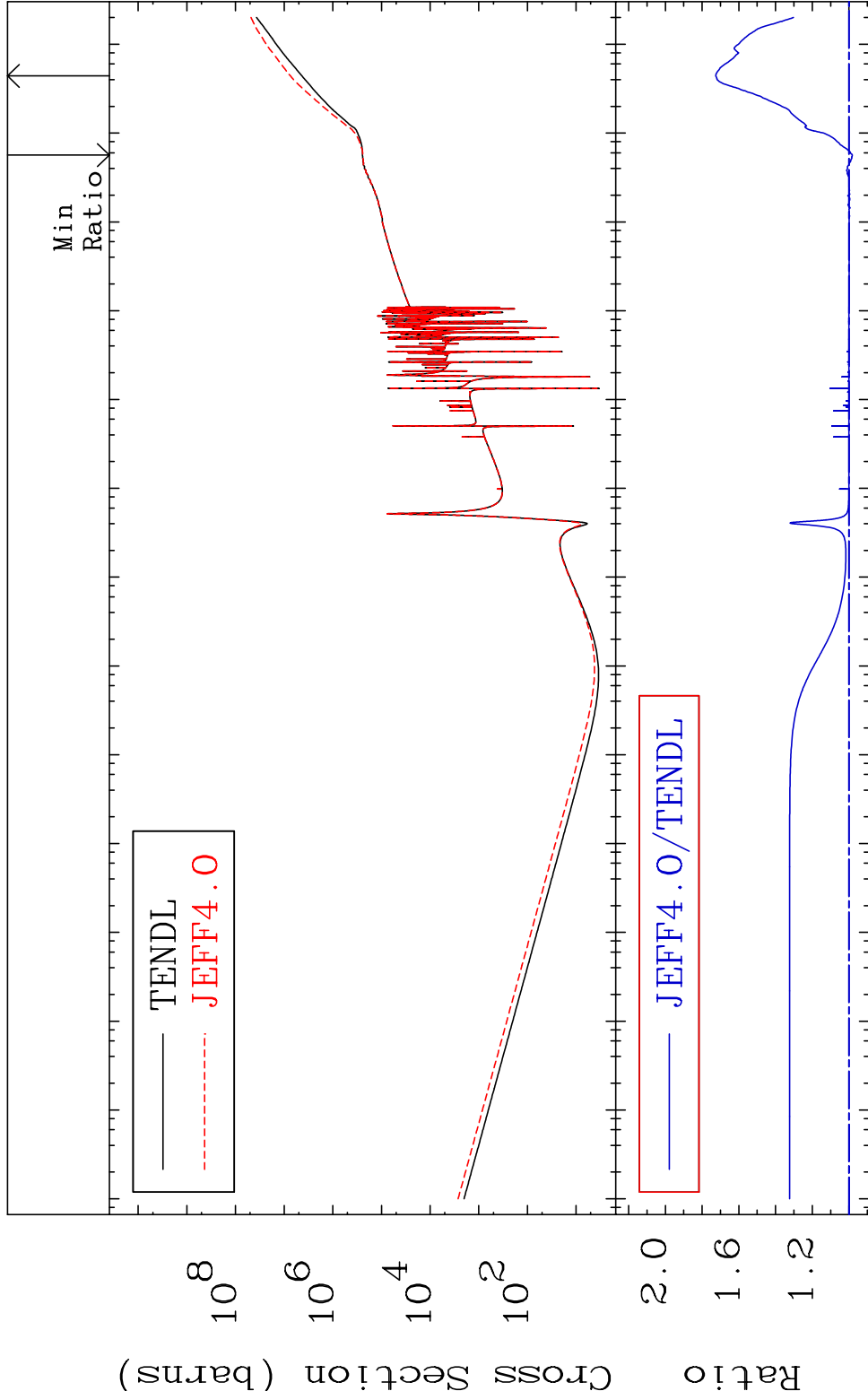


MAT 3037 Total photon (eV-barns) 30-Zn-68
Cross Section -5.336 To 26.71 %

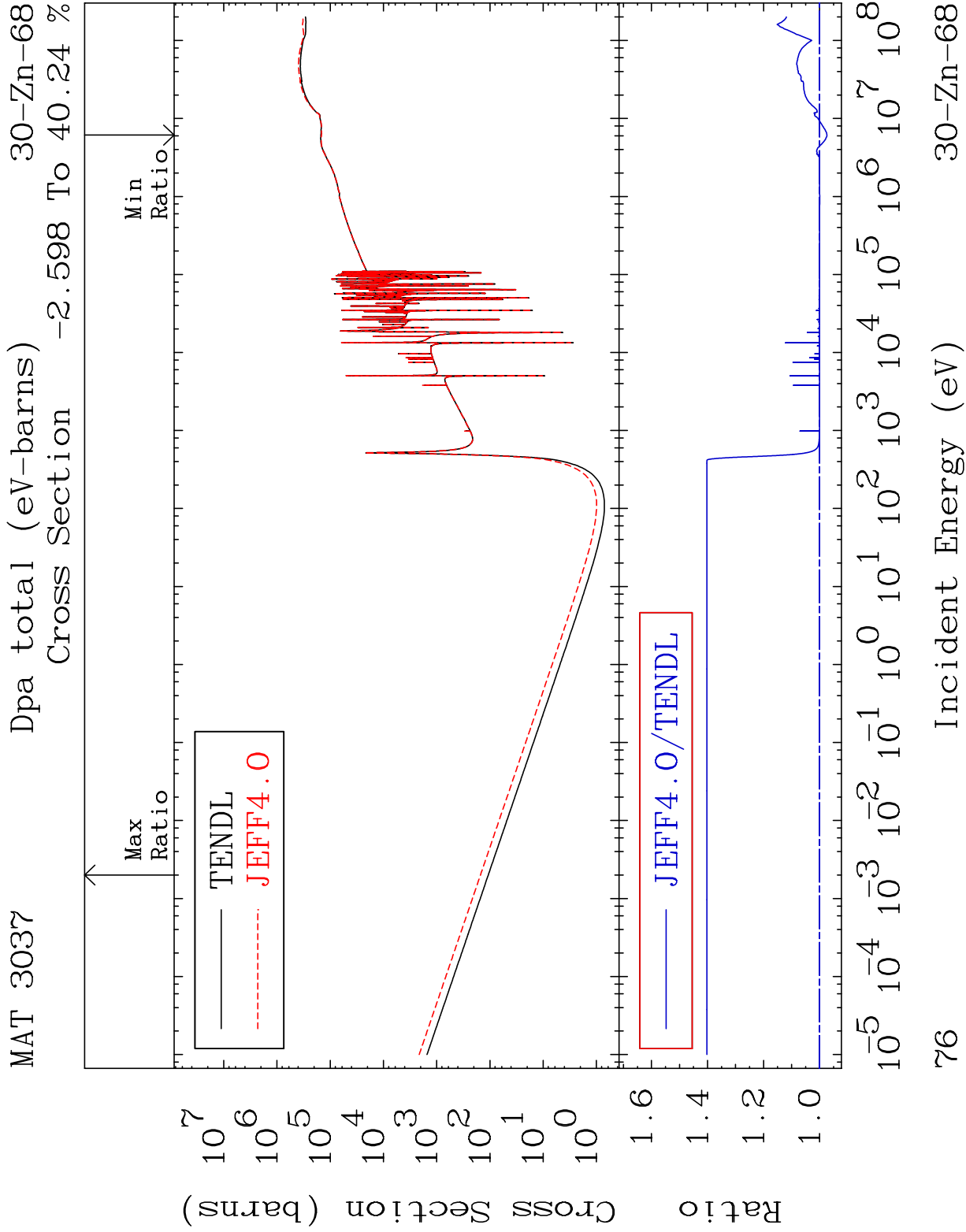


74 Incident Energy (eV) 30-Zn-68

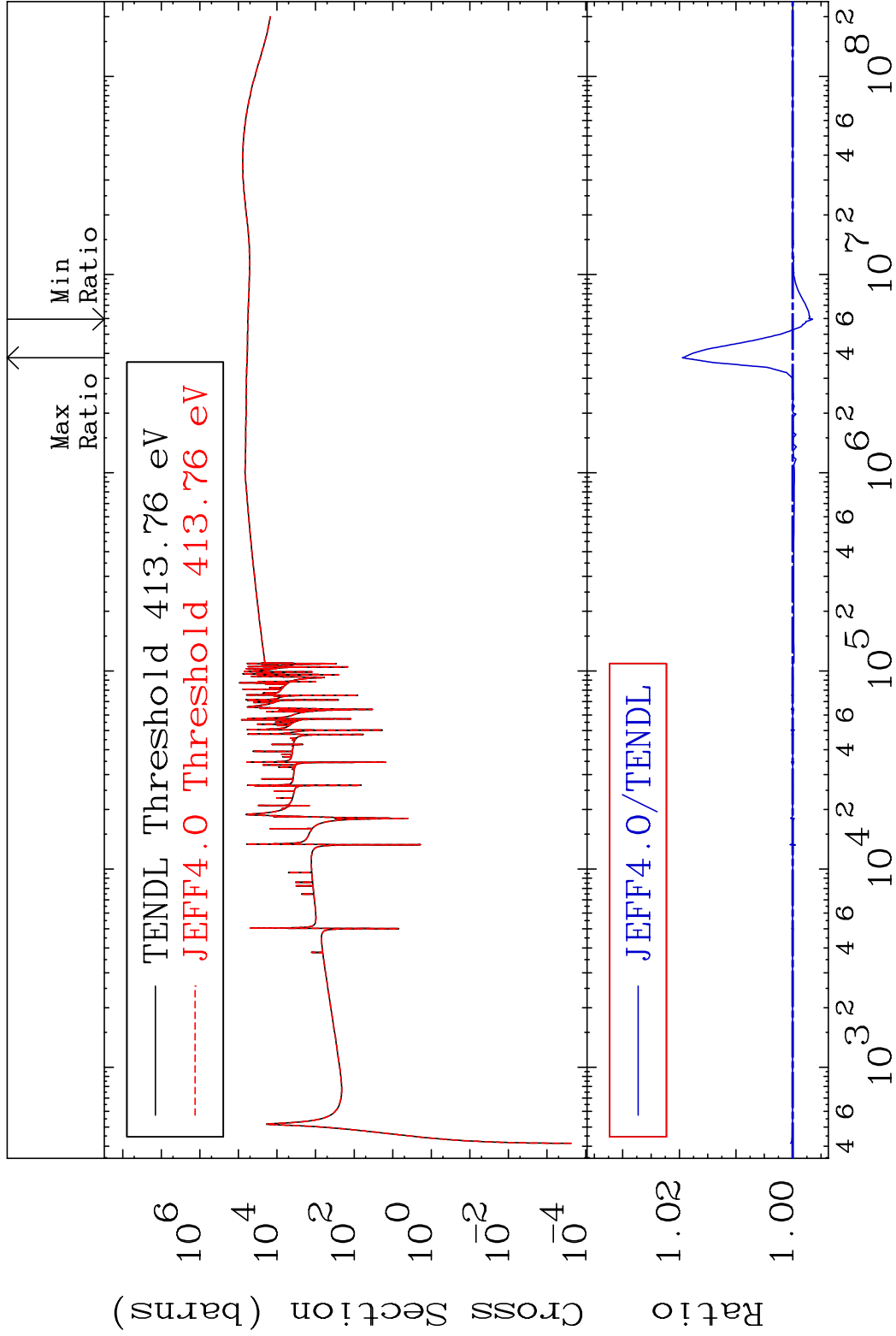
MAT 3037 Total kinematic kerma (high limit) 30-Zn-68
Cross Section -1.743 To 72.61 %

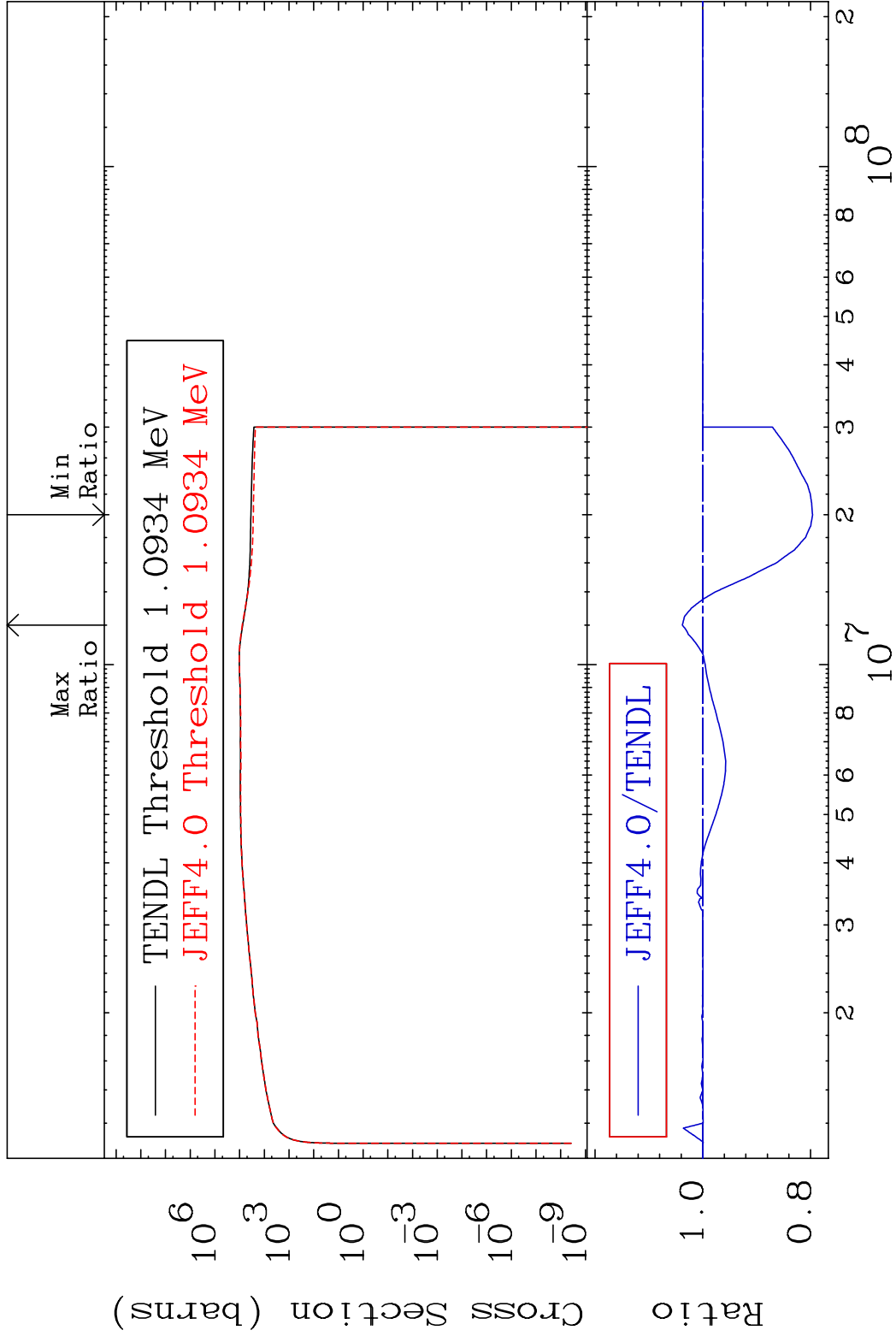


75 Incident Energy (eV) 30-Zn-68



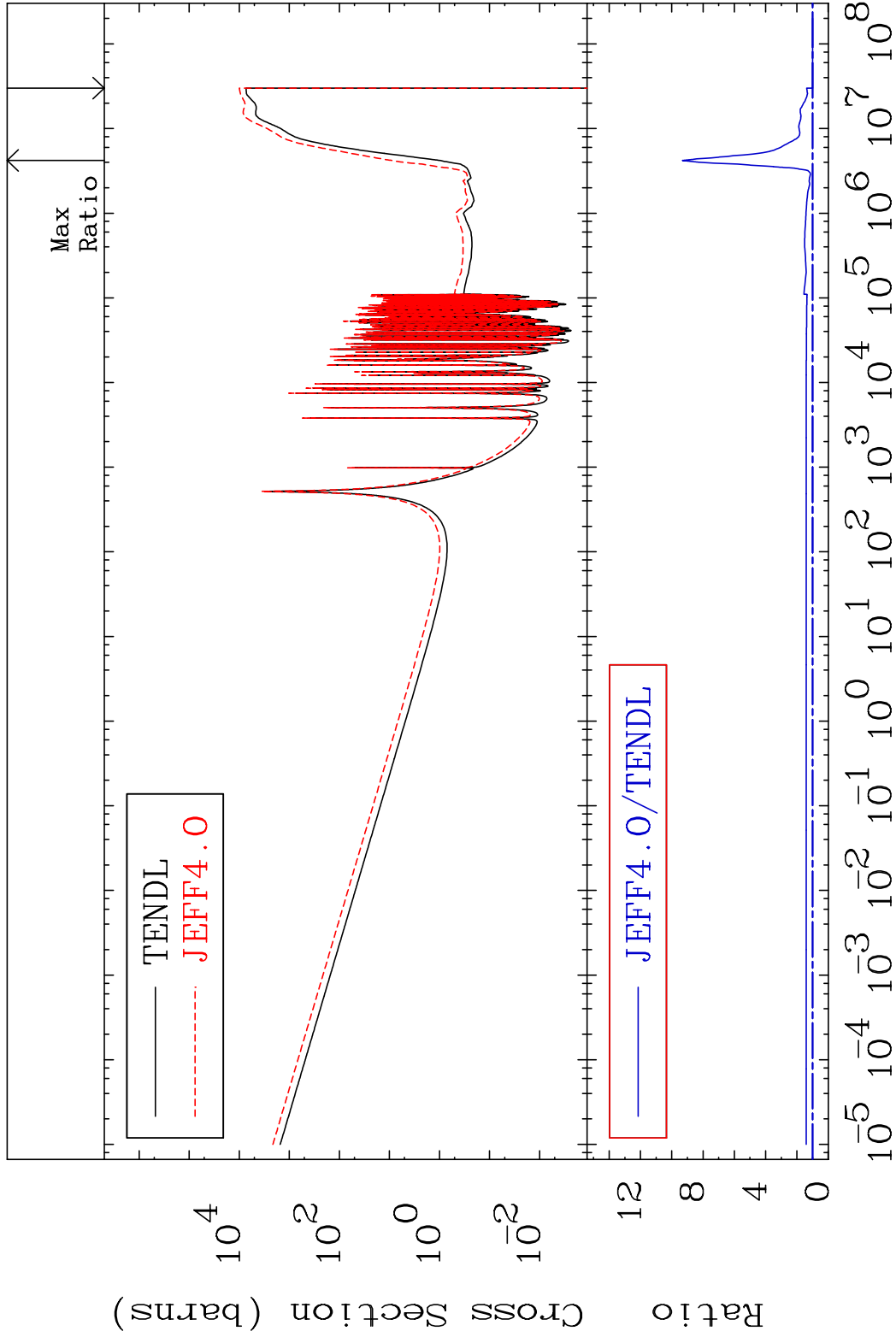
MAT 3037 Dpa elastic (mt2) 30-Zn-68
 Cross Section -0.351 To 1.947 %



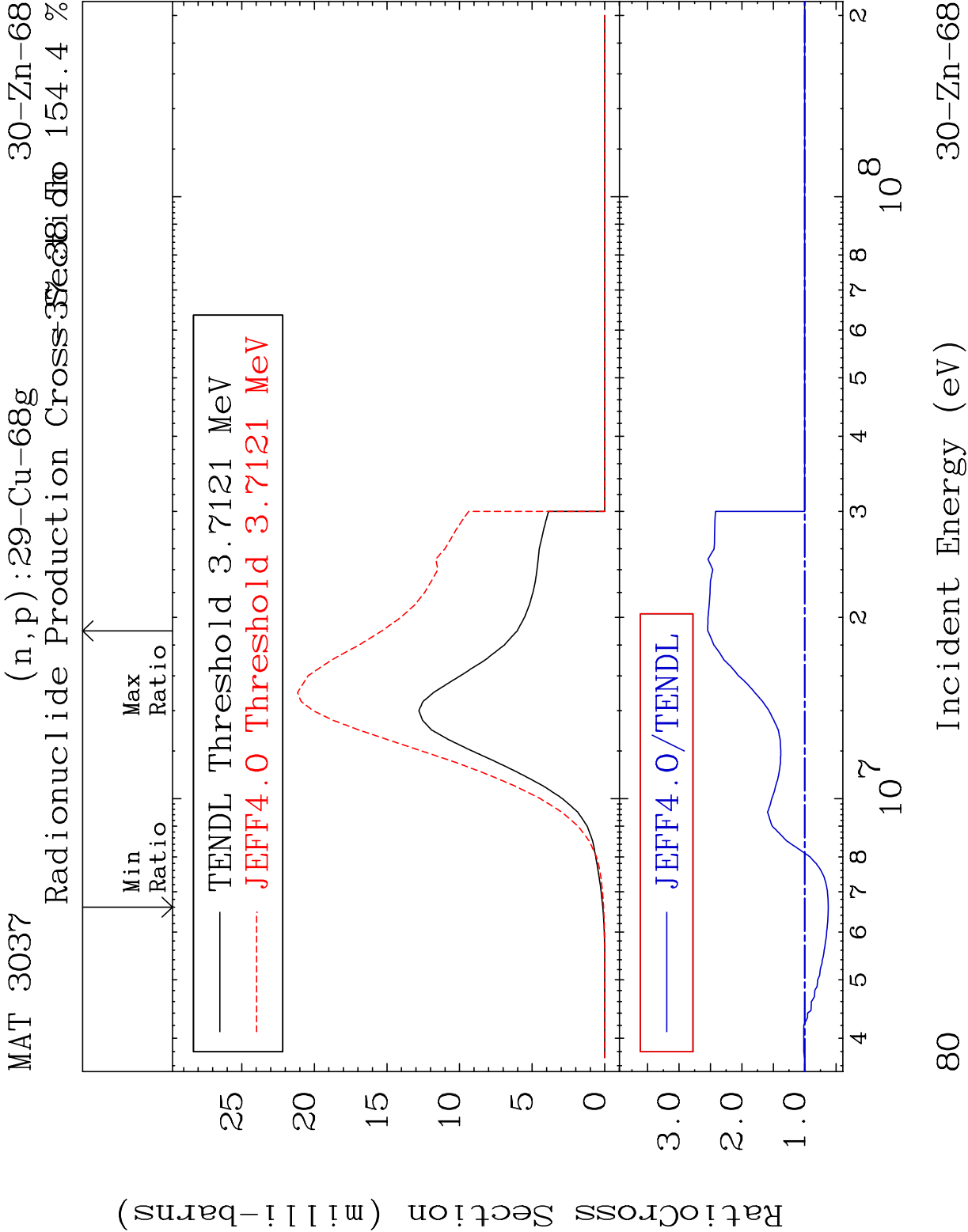


MAT 3037 Dpa disappearance (mt102 -120) 30-Zn-68

Cross Section 0.000 To 832.3 %



79 Incident Energy (eV) 30-Zn-68



Radionuclide Production Cross-Section 32.85%

32.85%

