

Program Complot
(Version 2021-1)

by

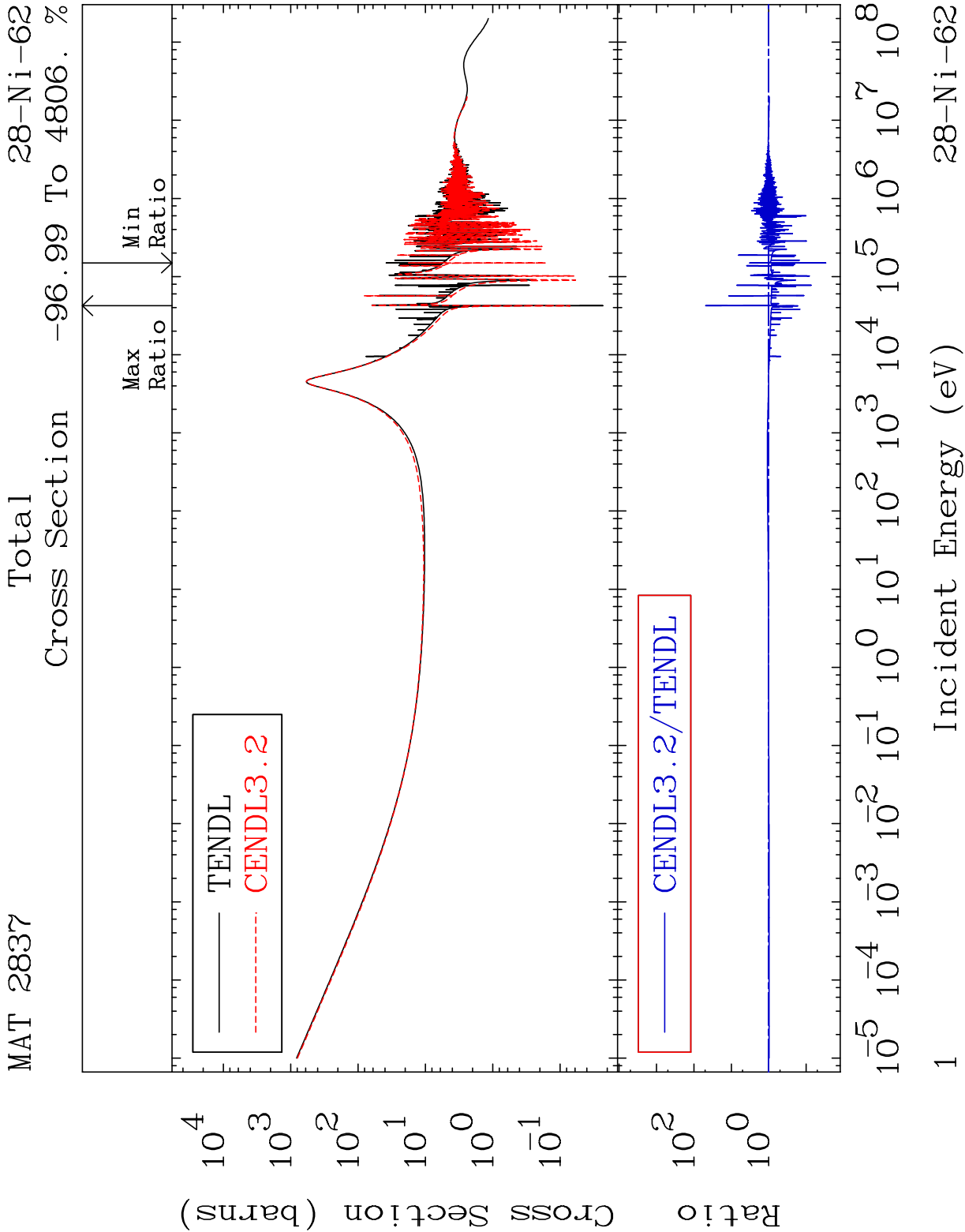
Dermott E. Cullen
(Present Contact Information)

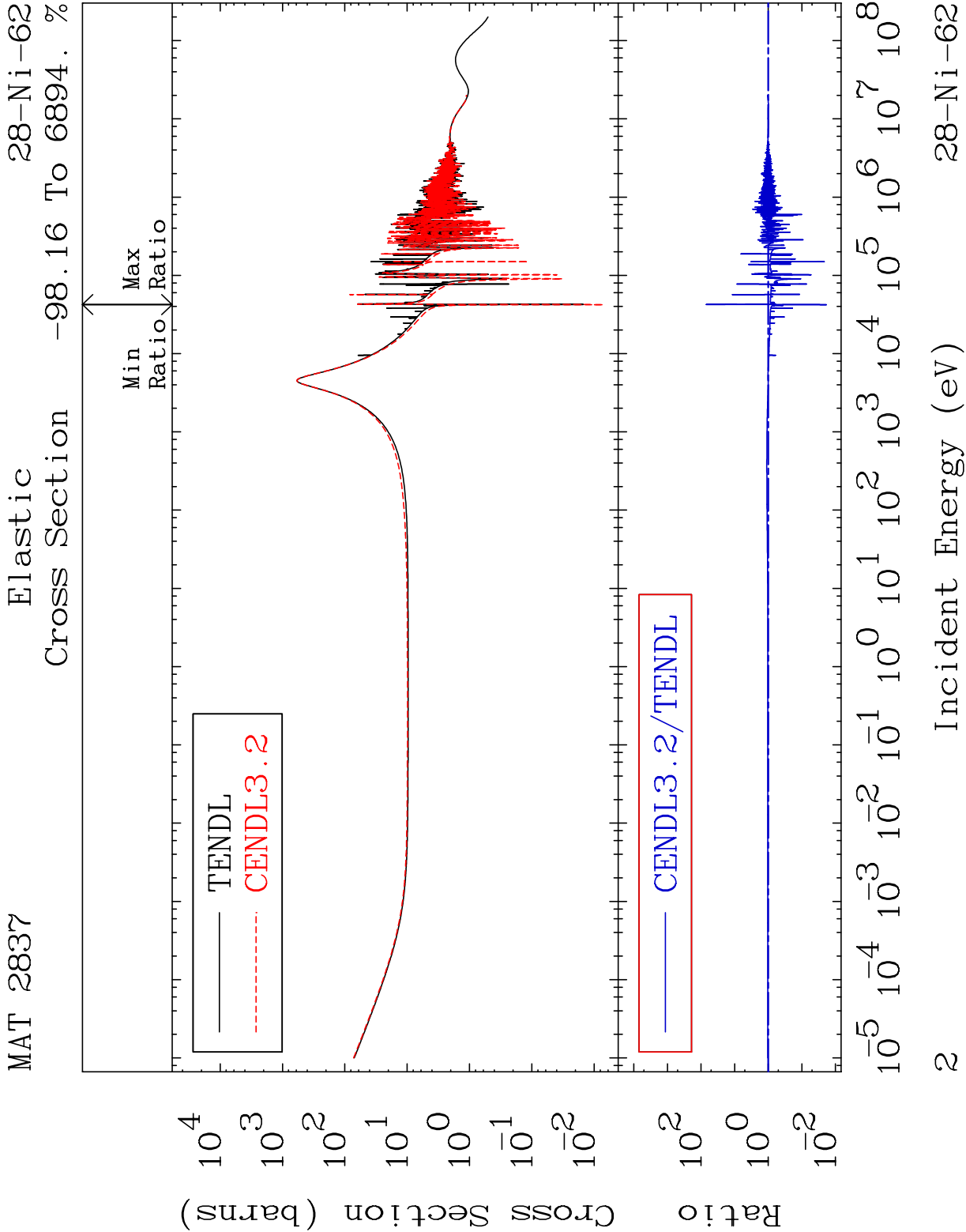
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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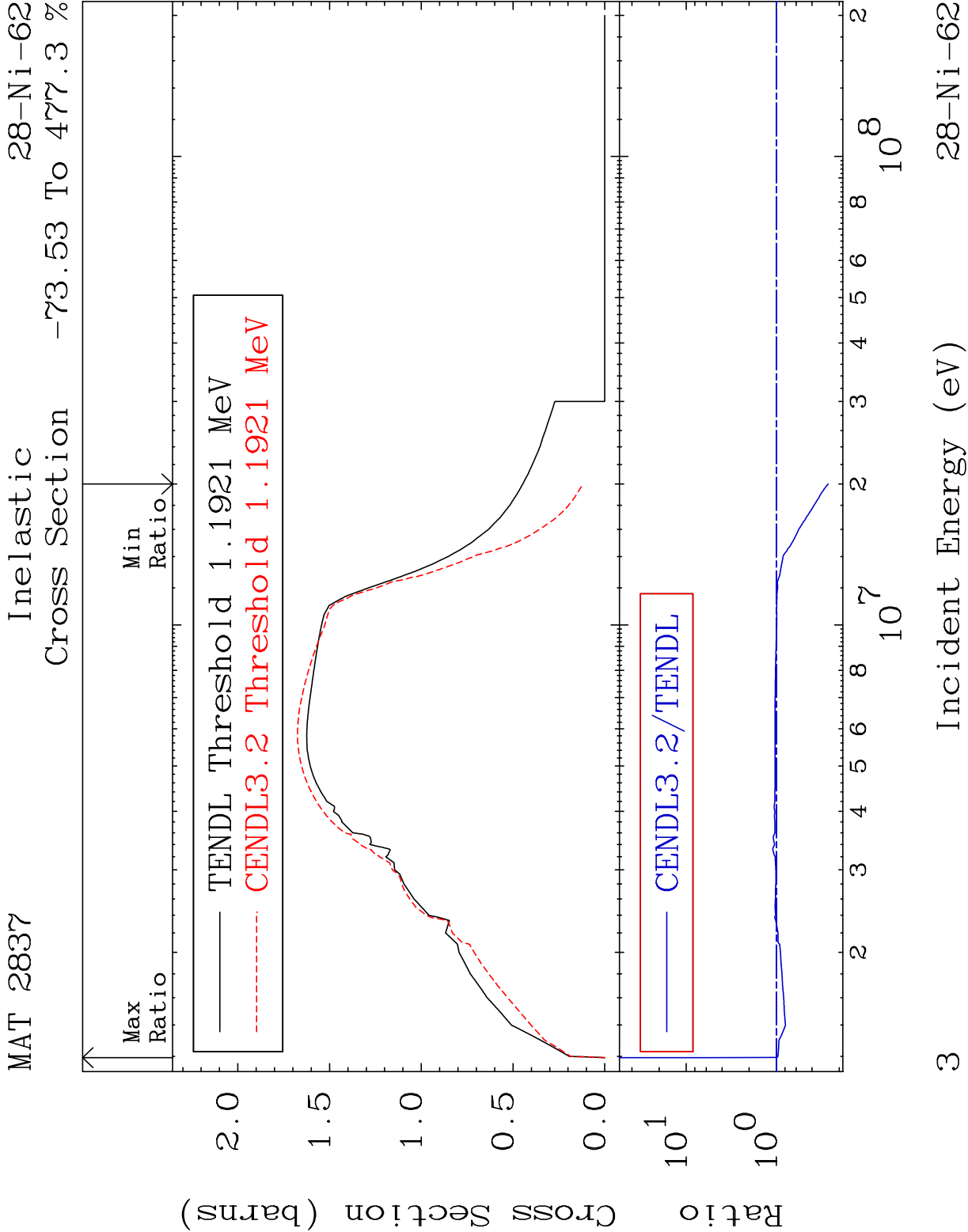
Tele: 925-443-1911

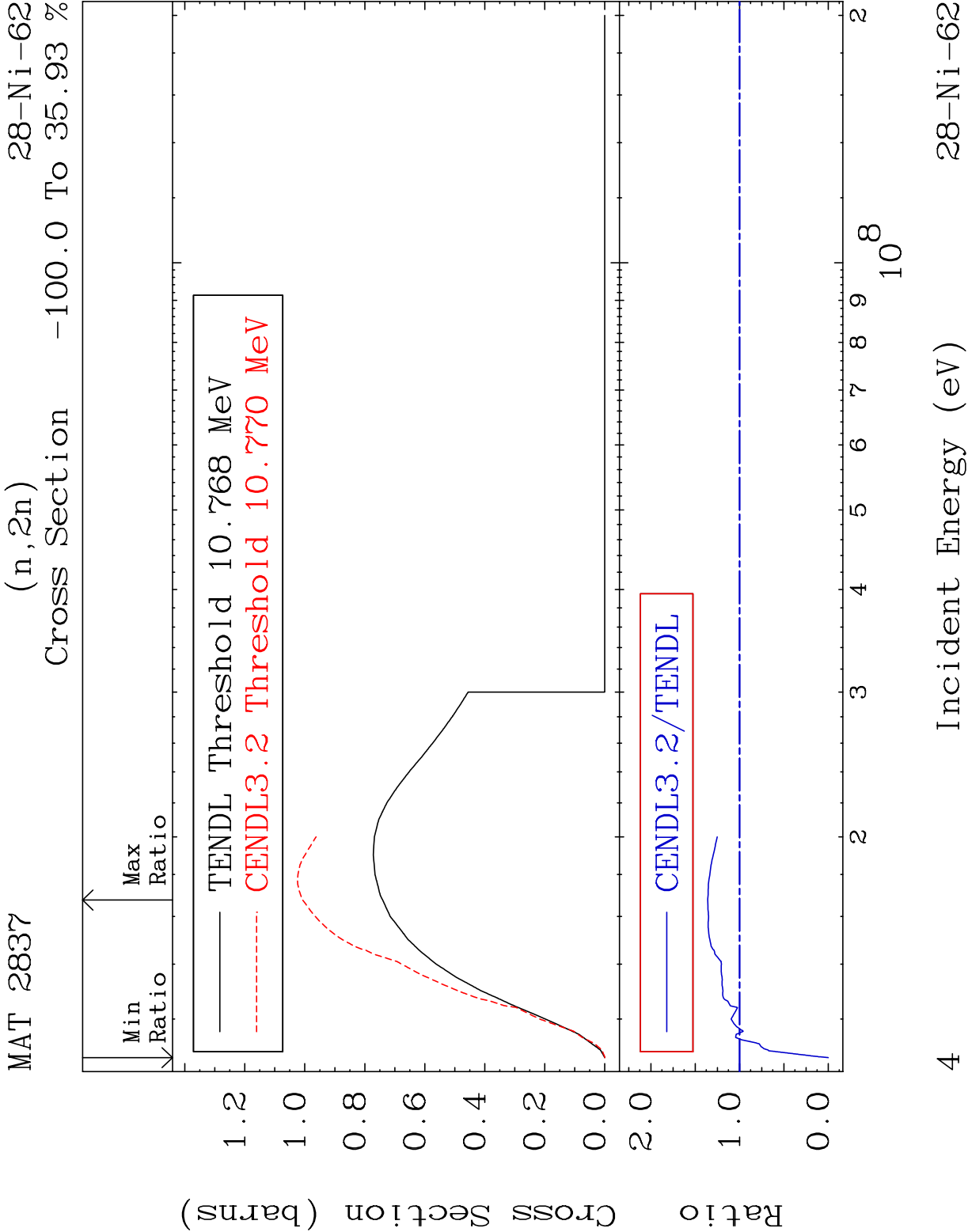
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

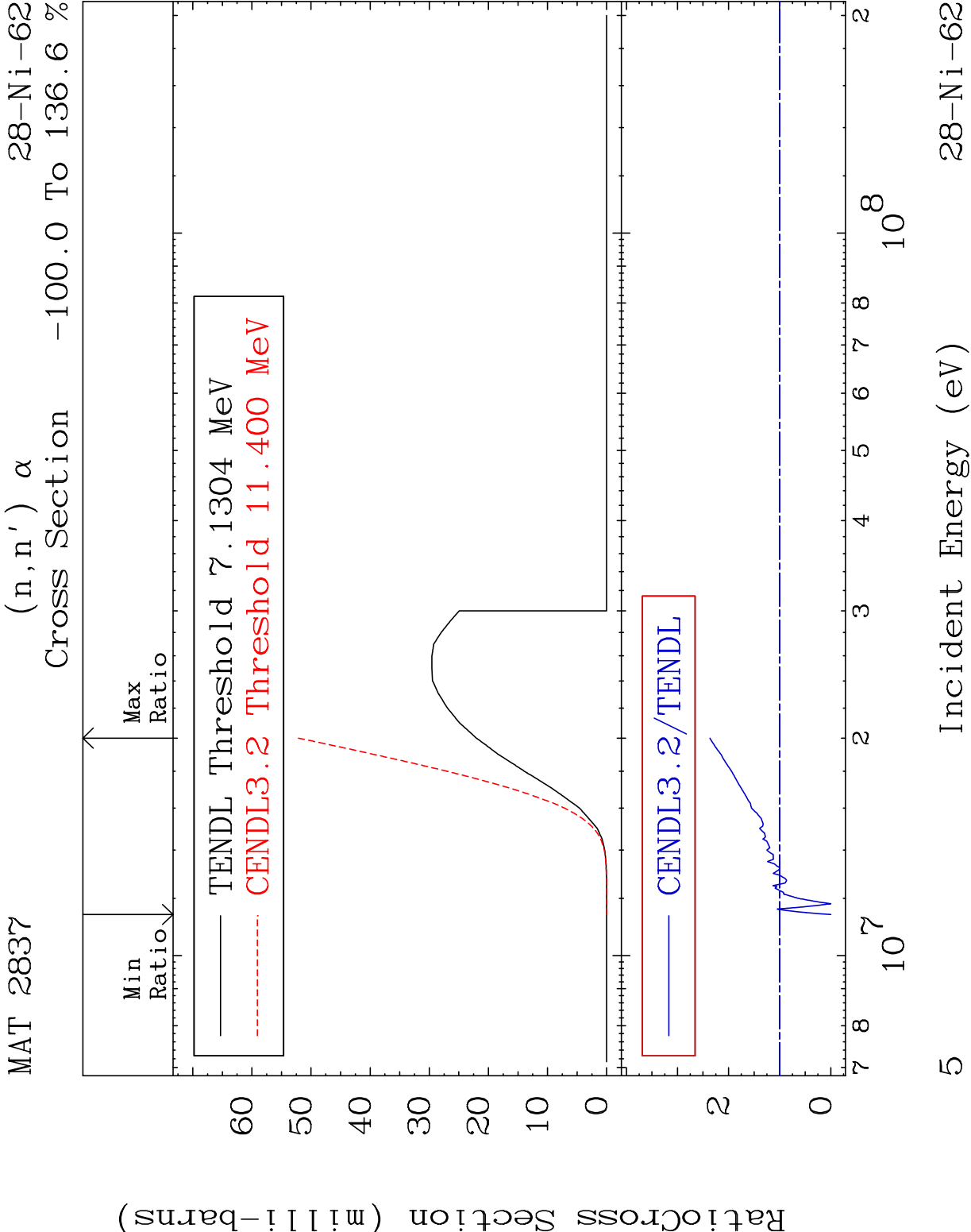
Press Mouse Button to Start

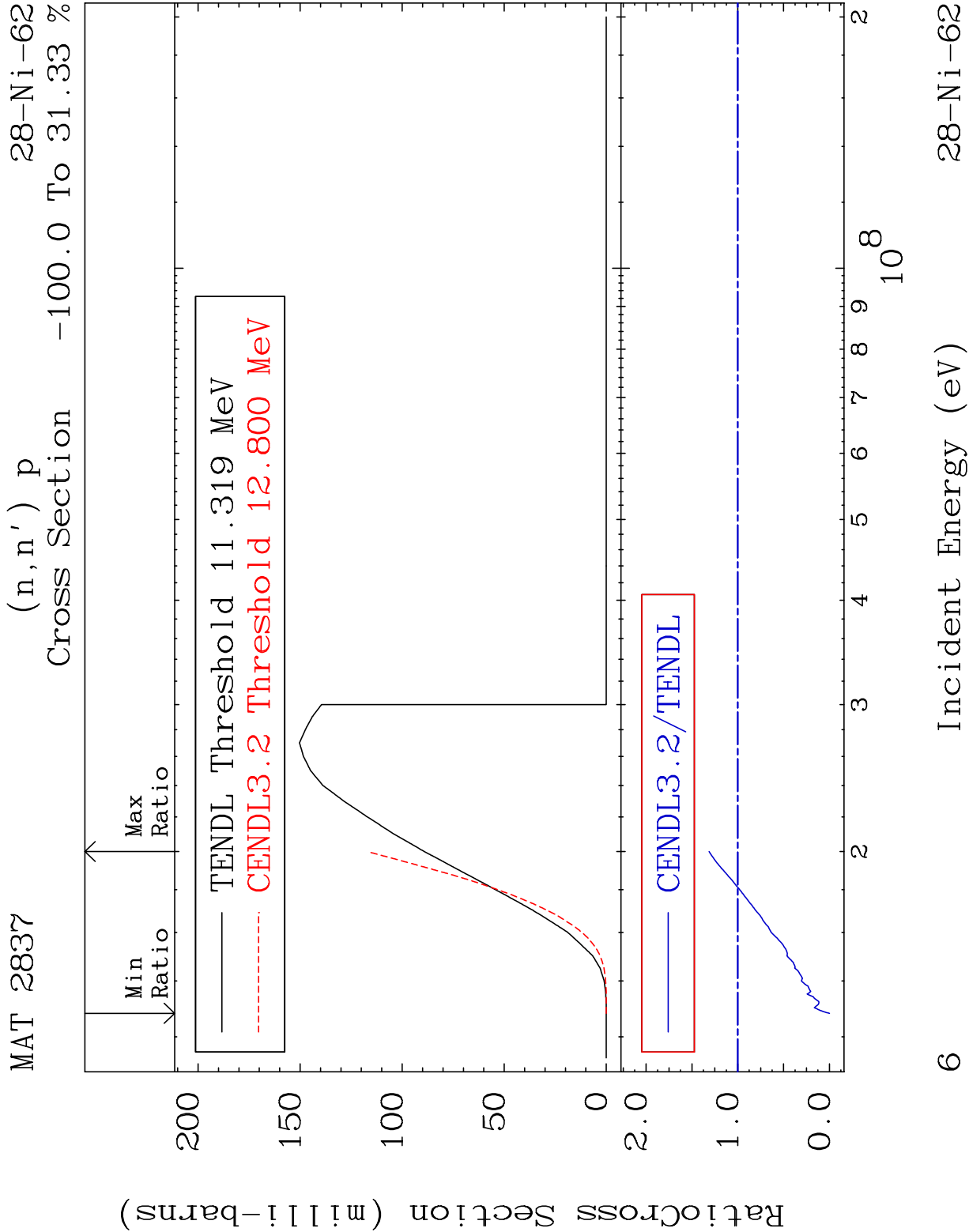


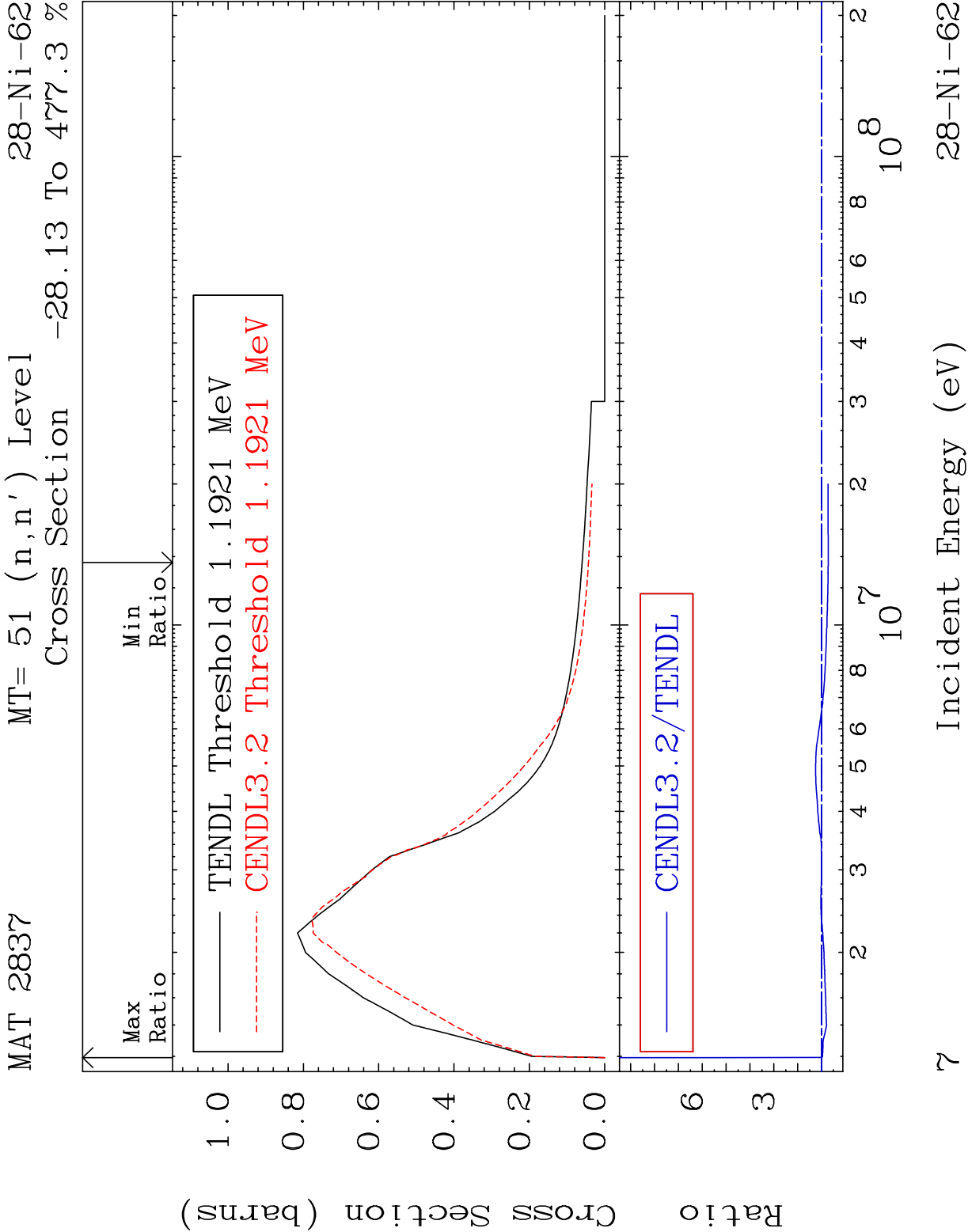




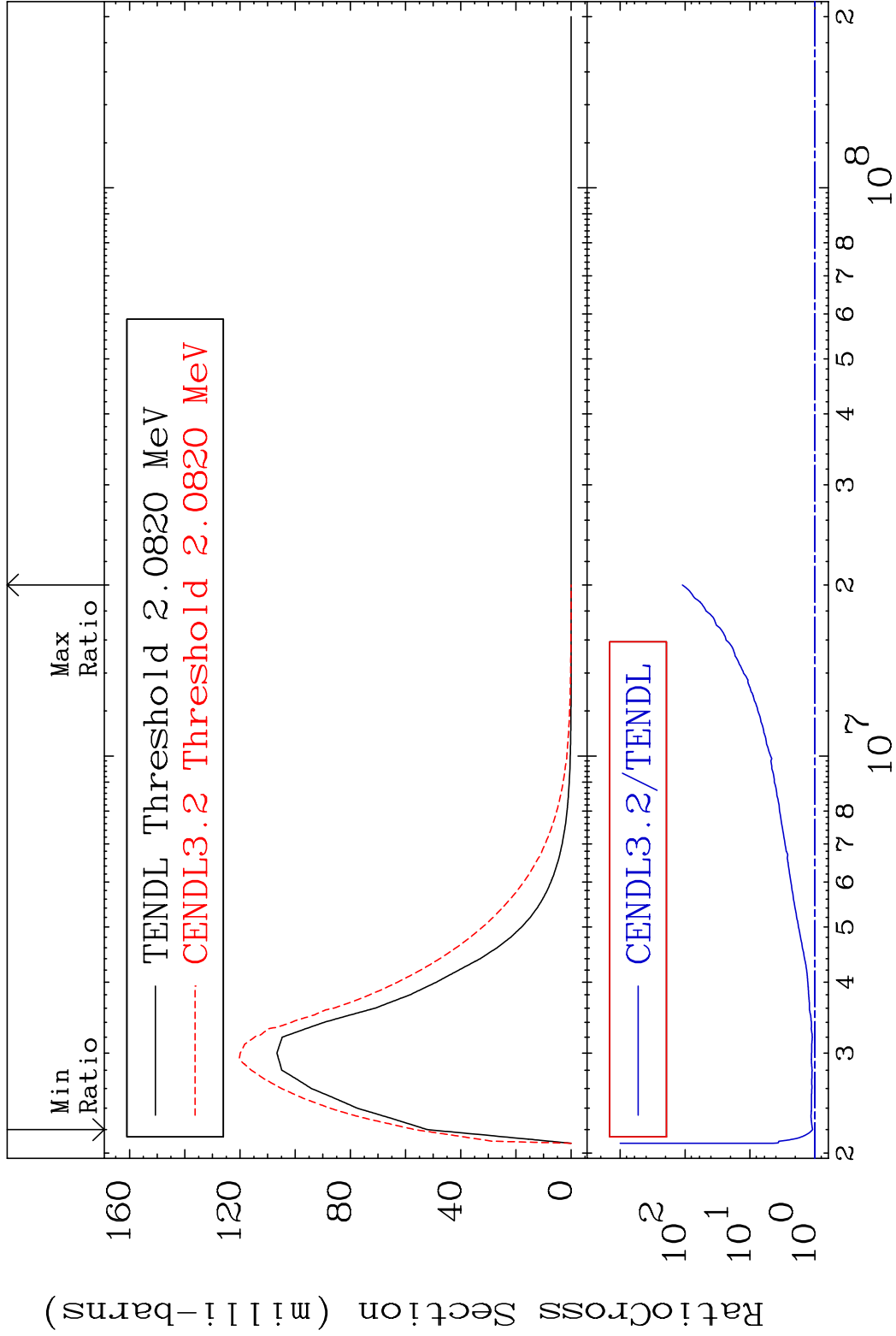


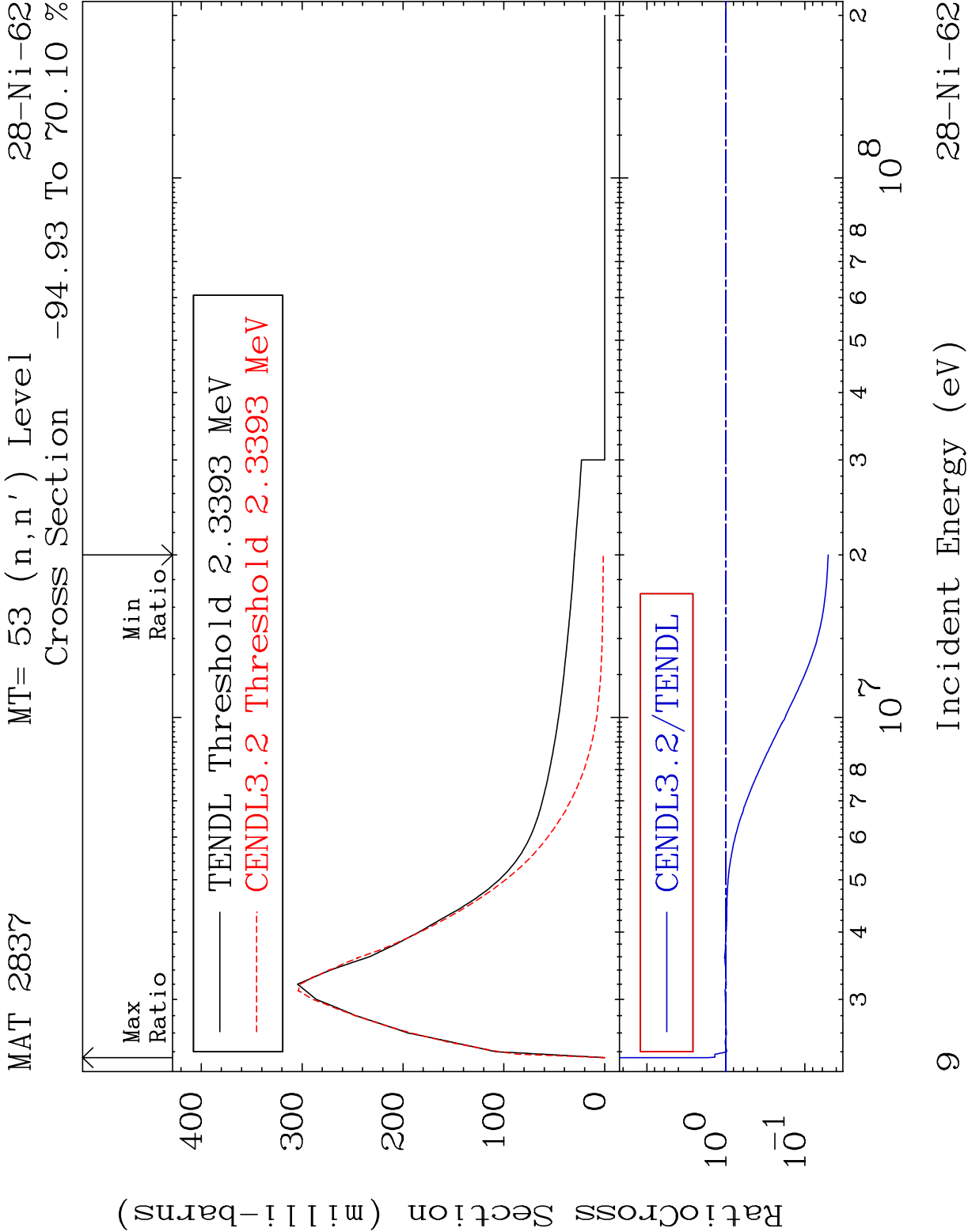






MAT 2837 MT= 52 (n,n') Level 28-Ni-62
Cross Section 8.647 To 9999. %



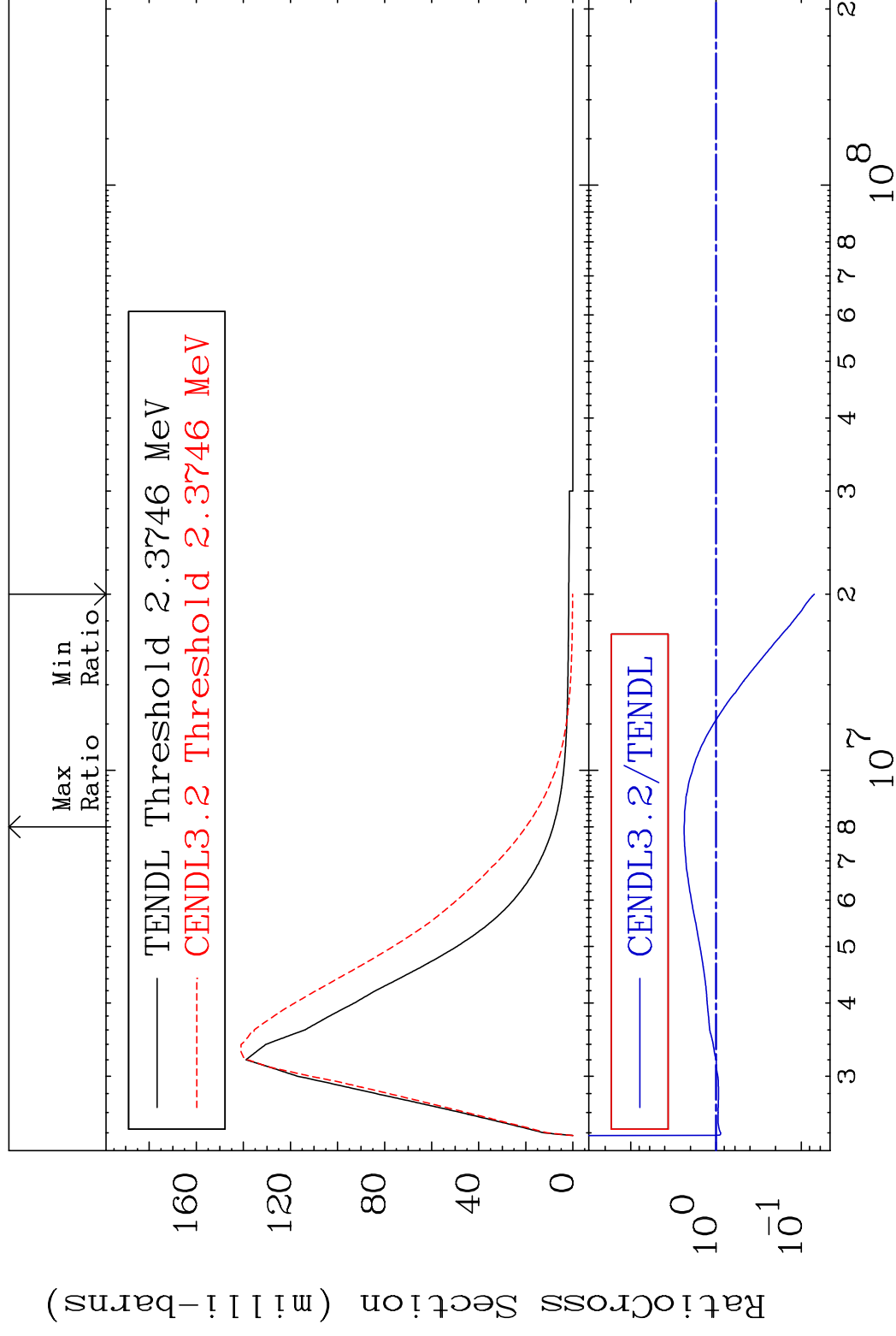


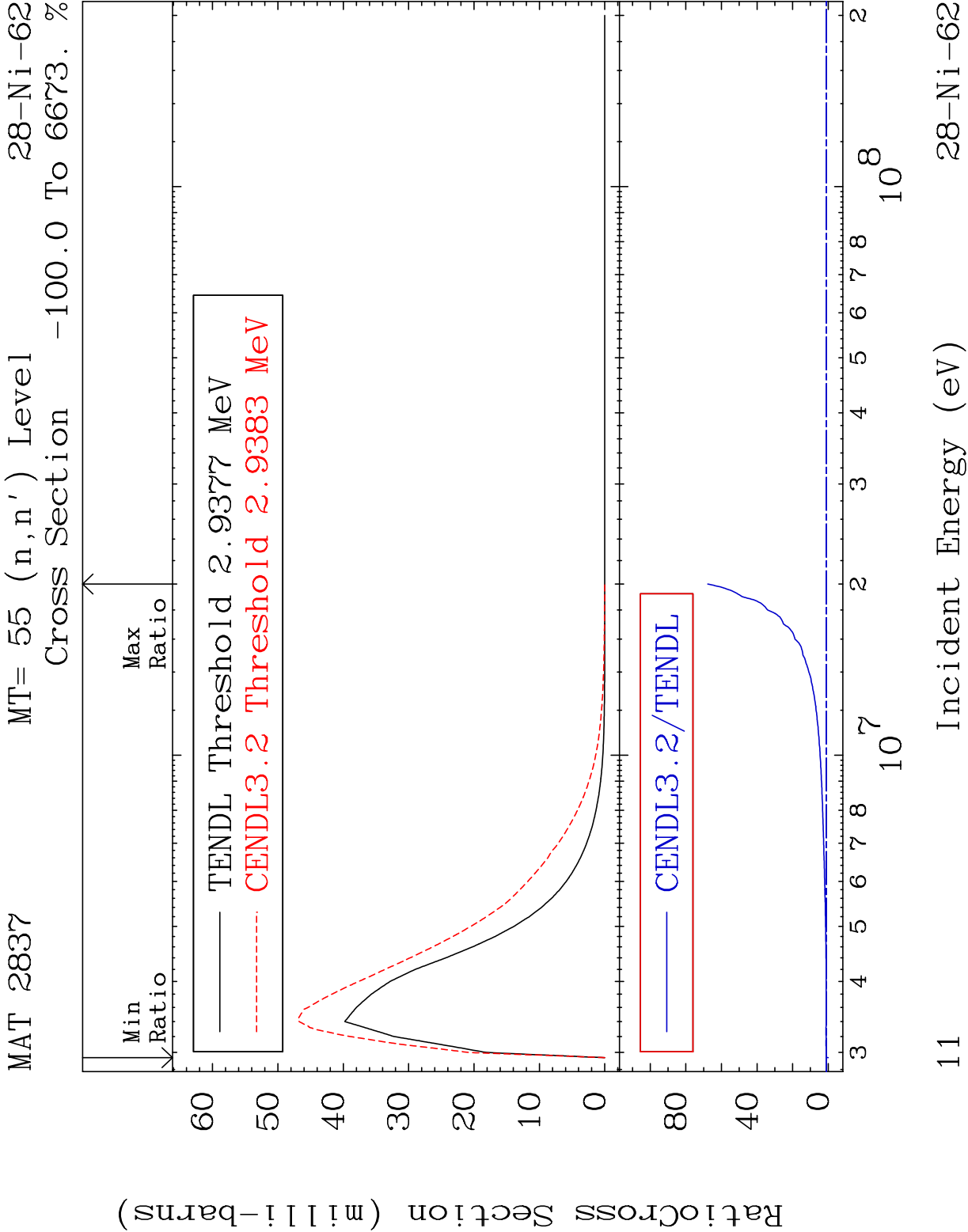
MAT 2837

MT= 54 (n, n') Level

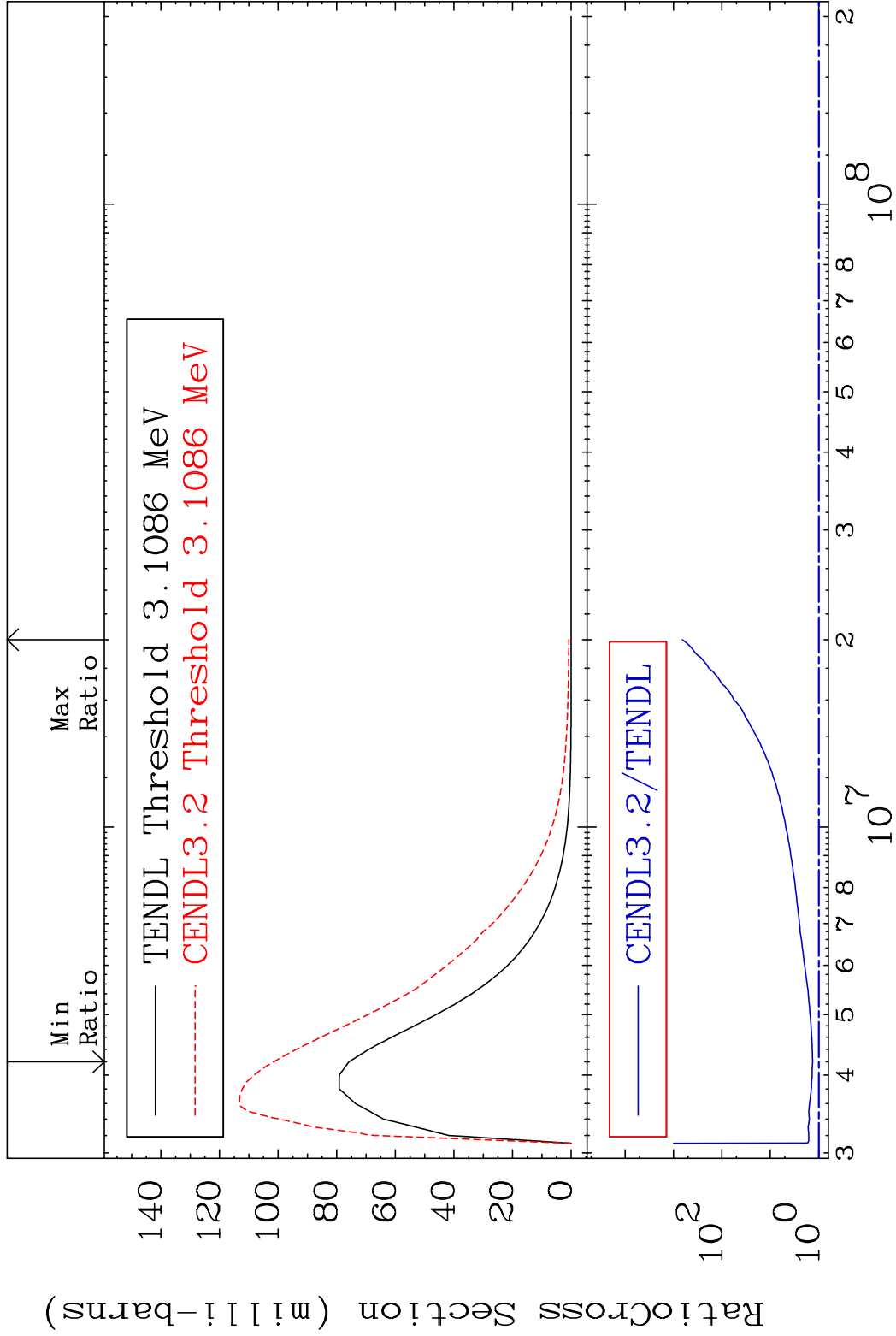
 $^{28}\text{Ni}-62$

Cross Section	-92.95 To 137.4 %





MAT 2837 MT= 56 (n,n') Level 28-Ni-62
Cross Section 33.85 To 9999. %



12 Incident Energy (eV) 28-Ni-62

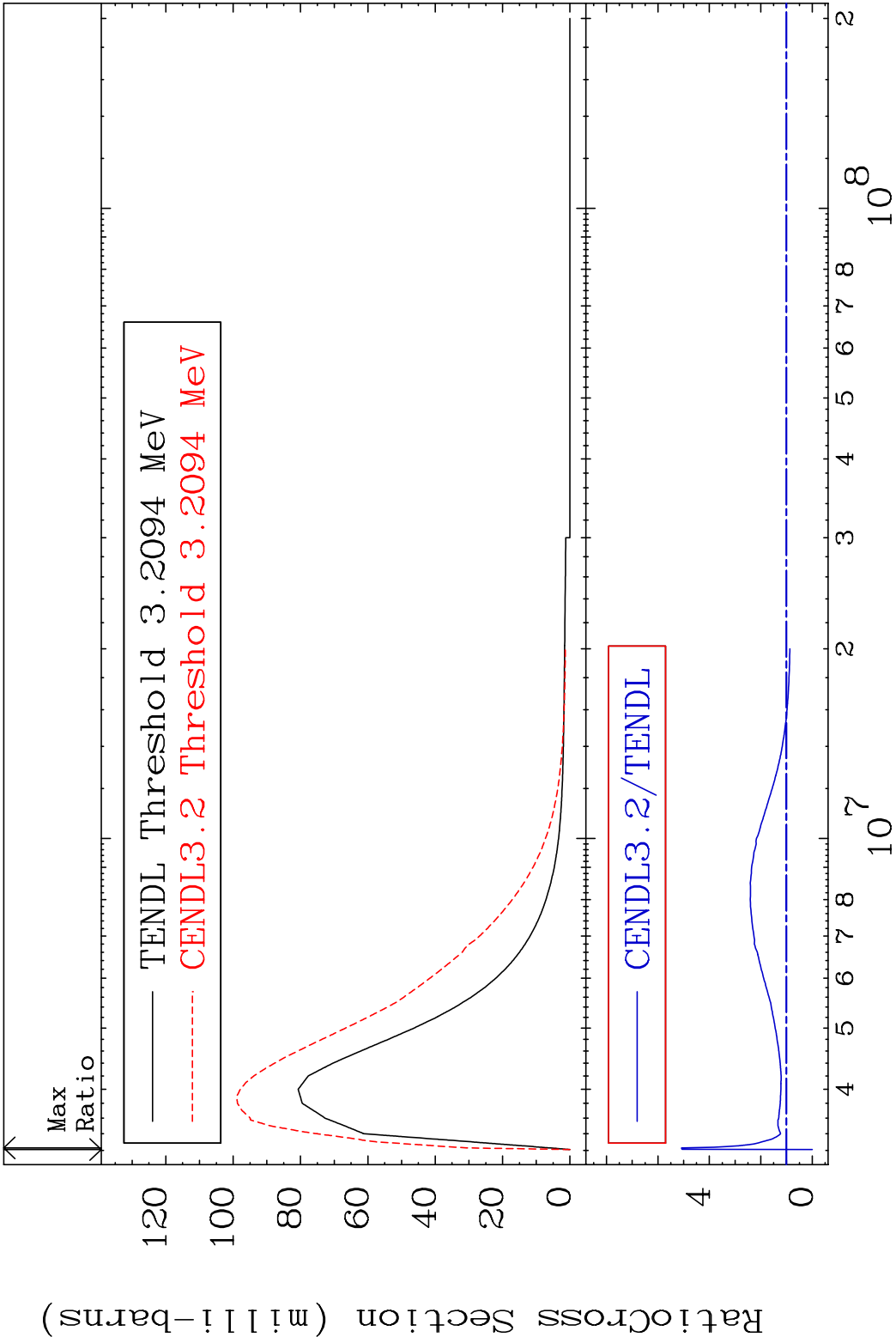
MAT 2837

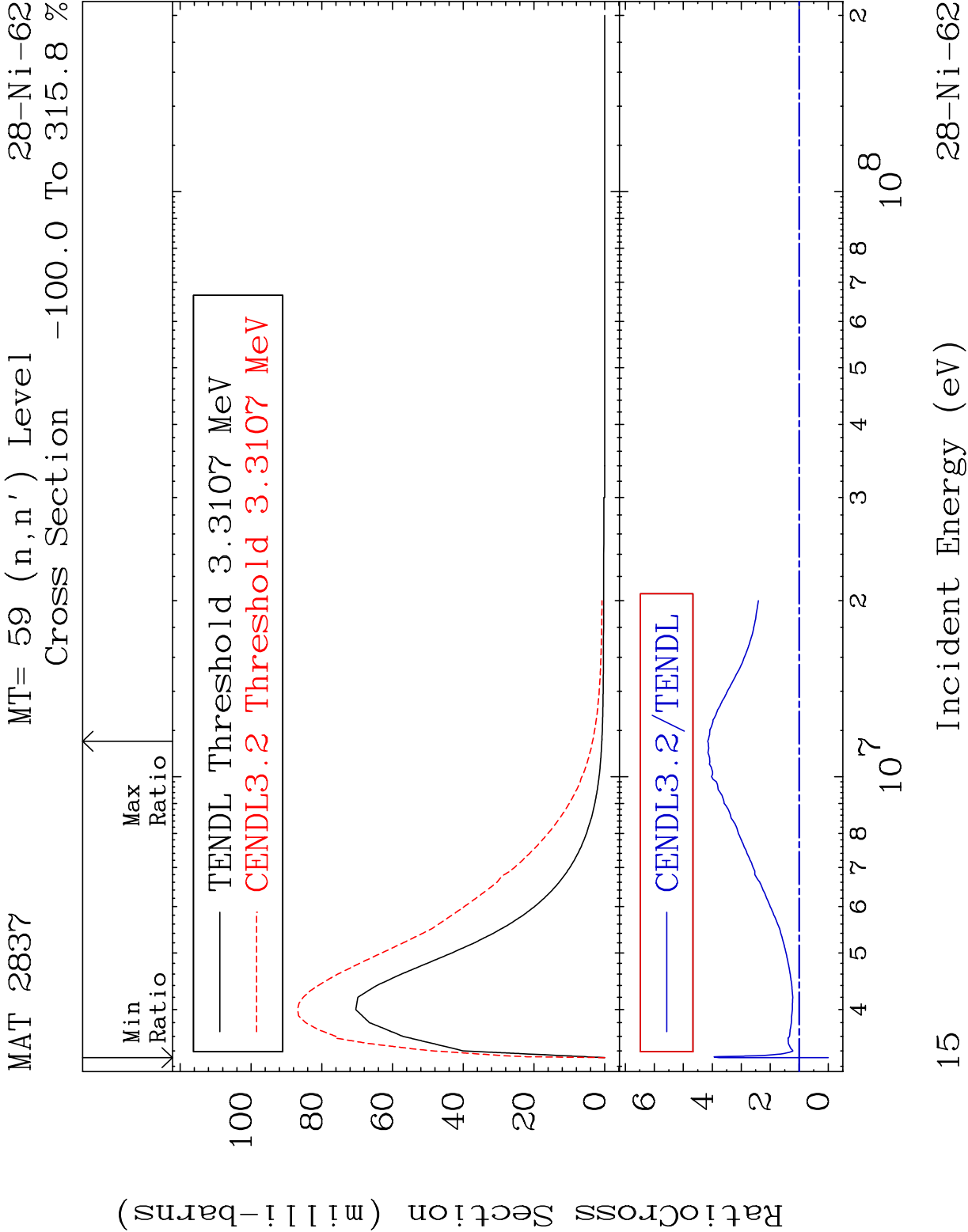
MT= 57 (n,n') Level

28-Ni-62

Cross Section

-100.0 To 408.3 %





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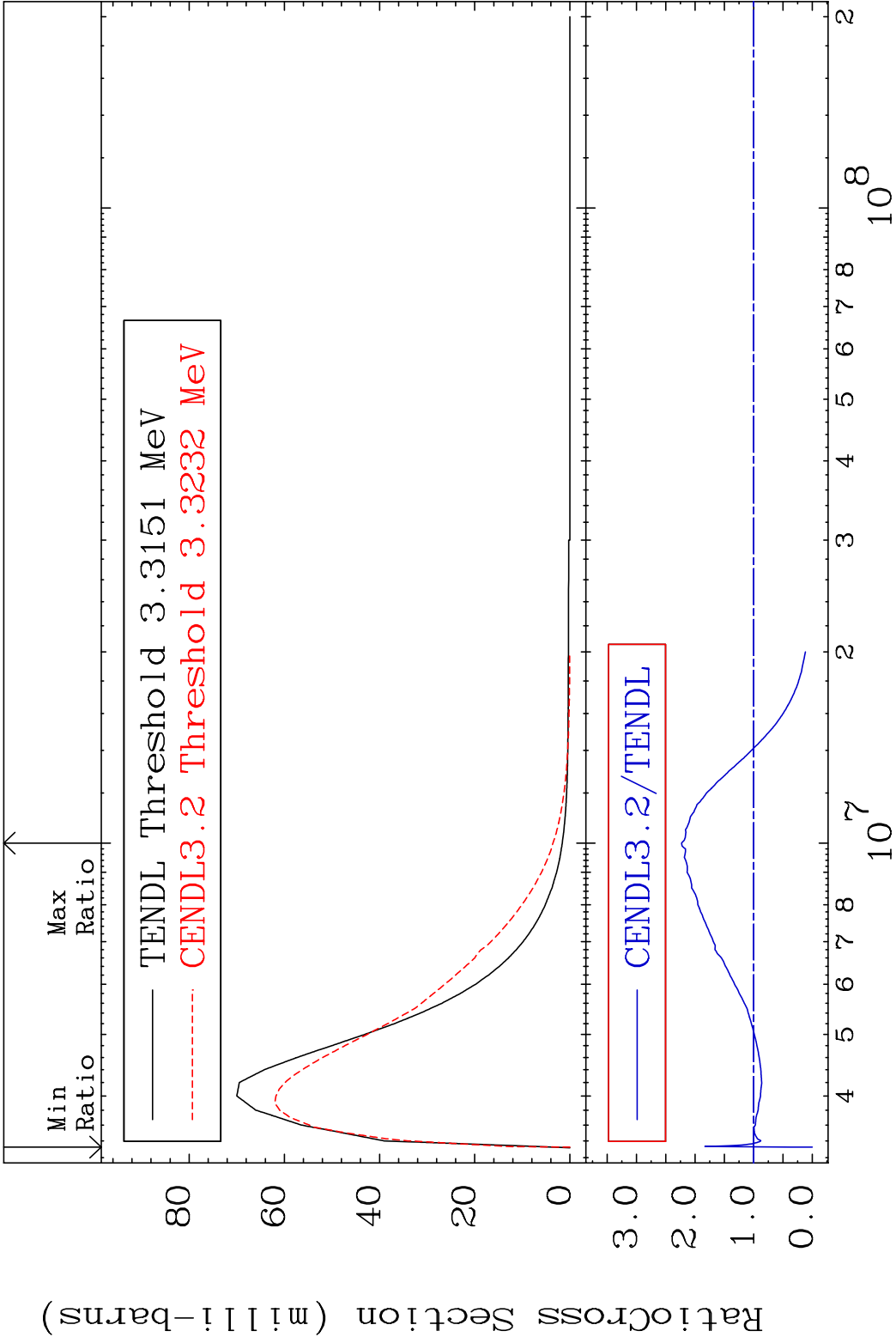
MAT 2837

MT= 60 (n,n') Level

28-Ni-62

Cross Section

-100.0 To 123.0 %

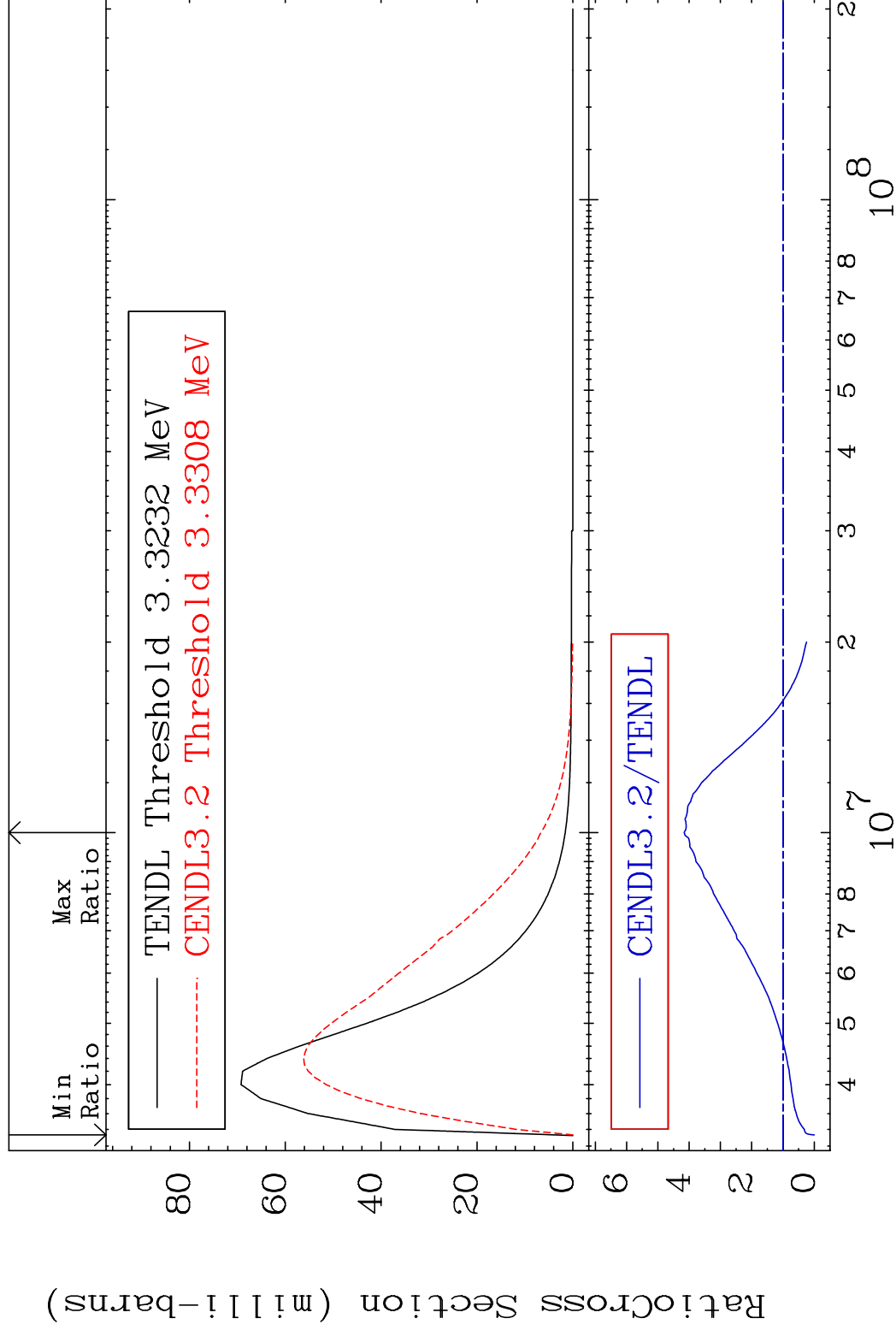


MAT 2837

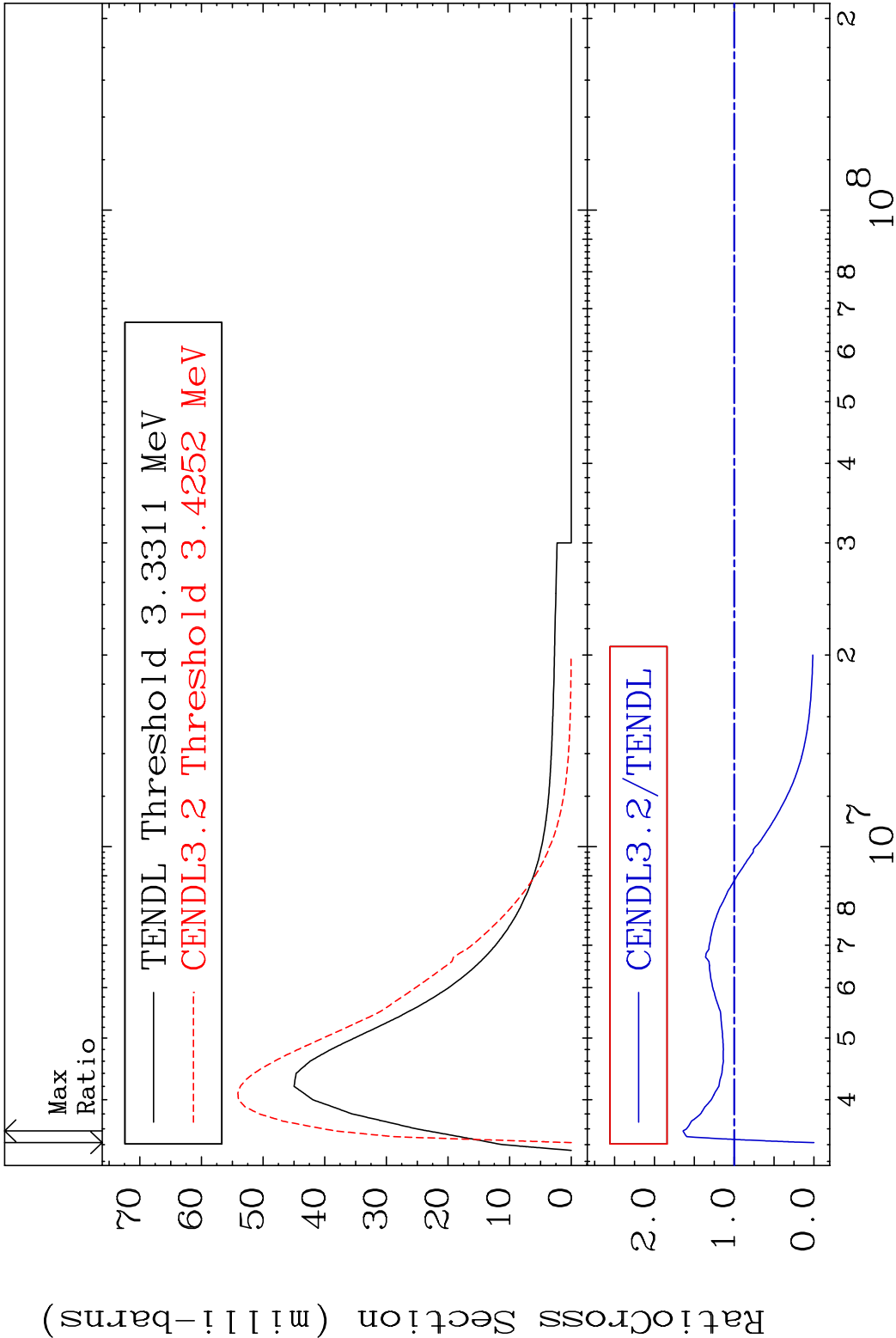
MT= 61 (n, n') Level

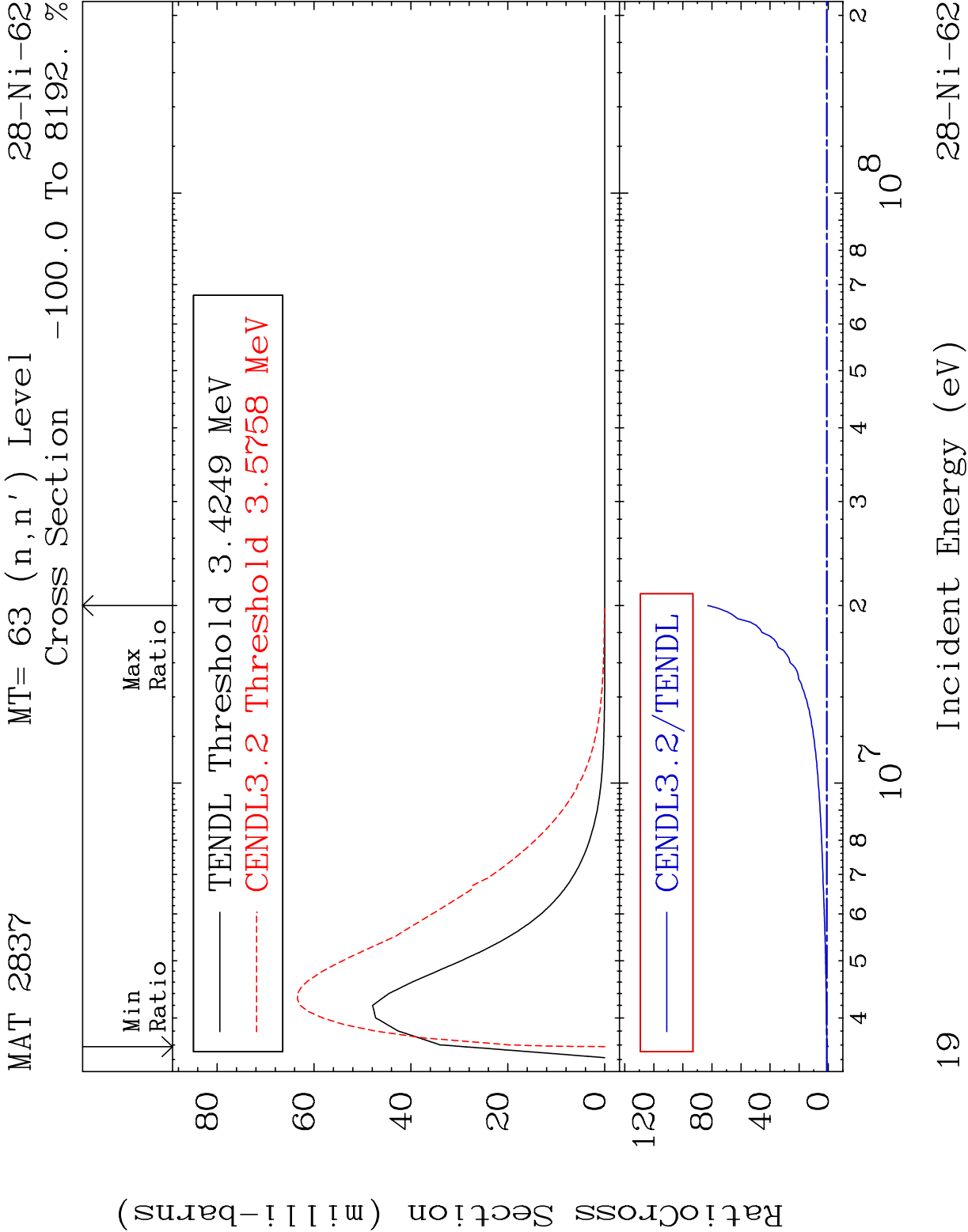
 $^{28}\text{Ni}-62$

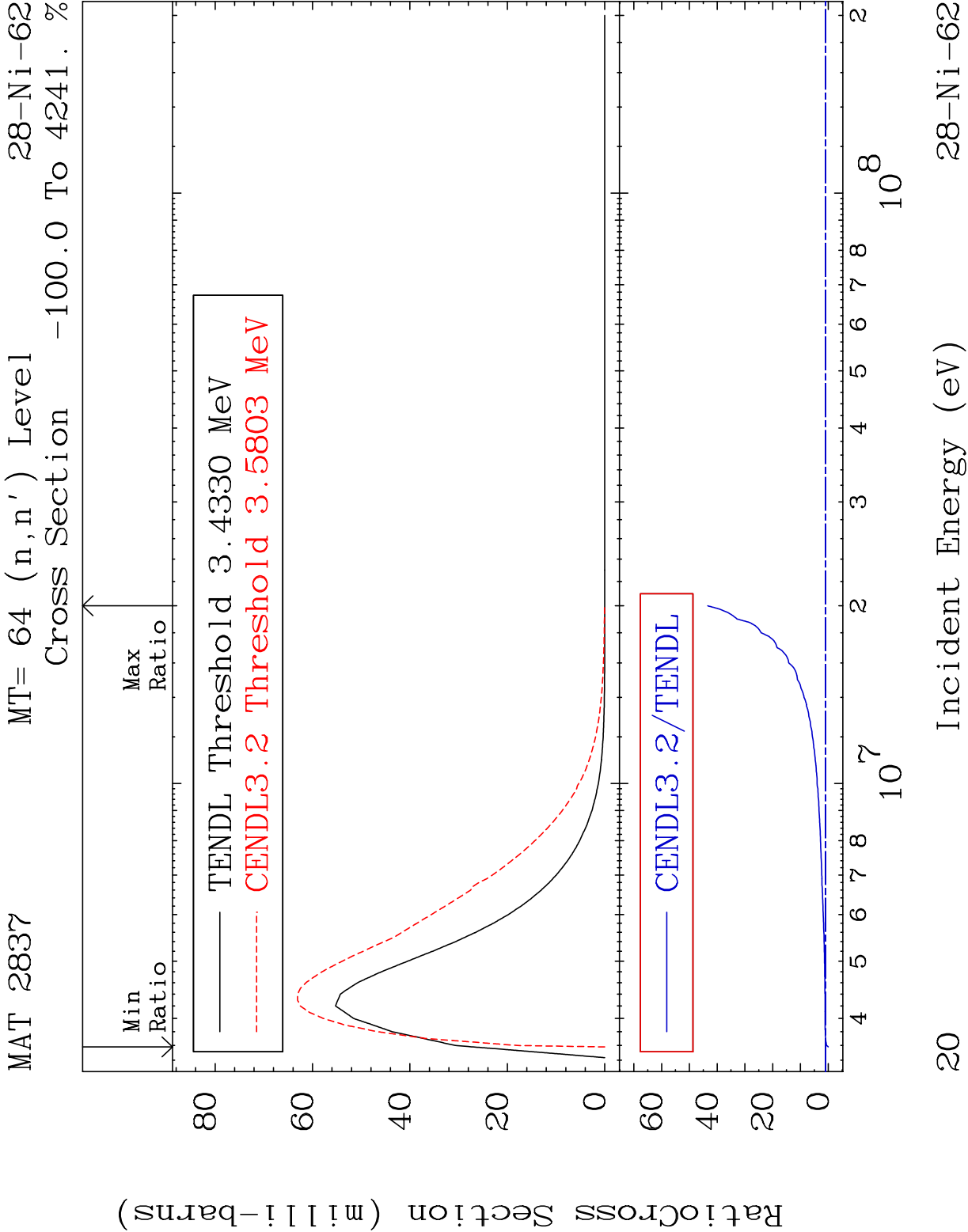
Cross Section -100.0 To 316.2%

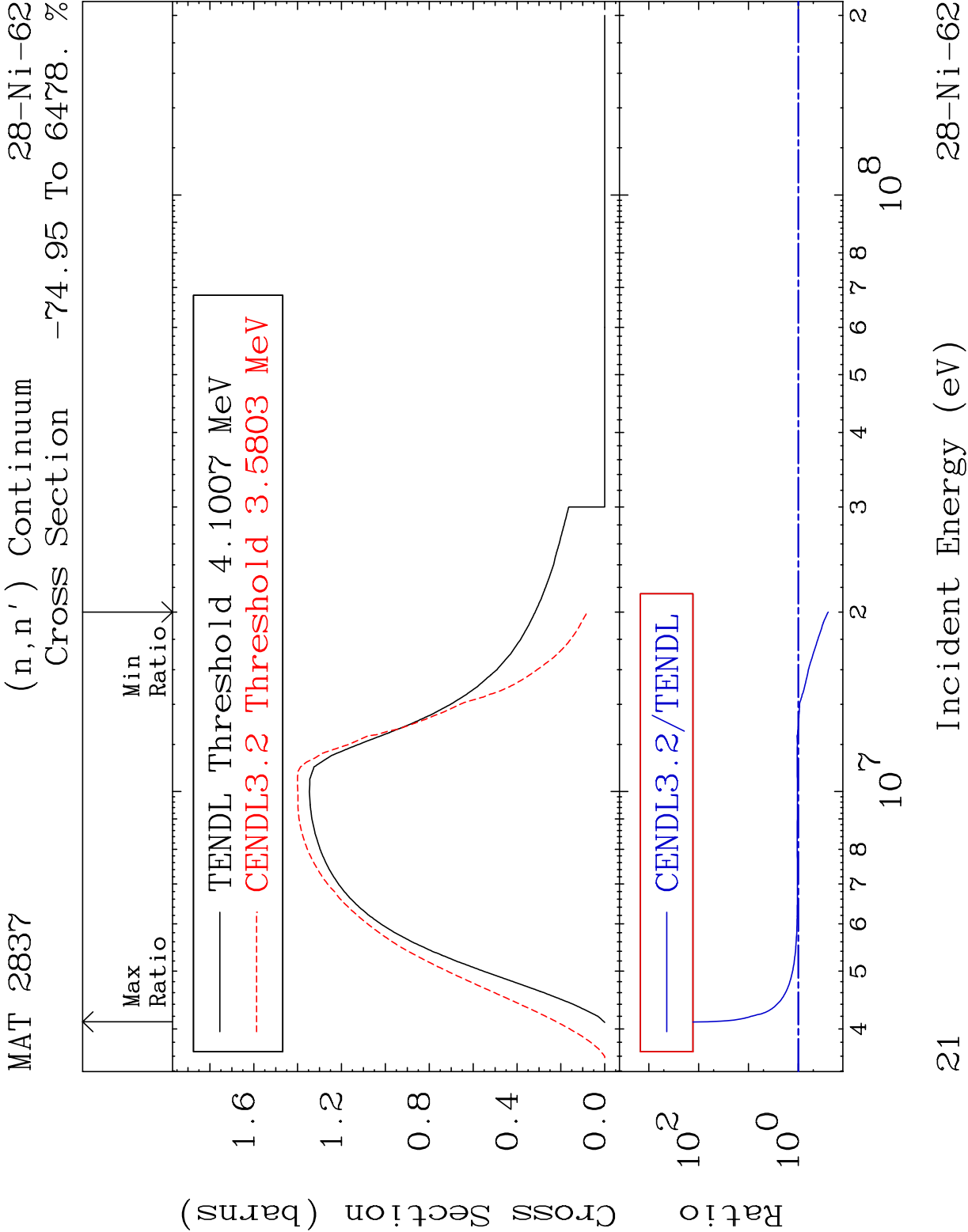


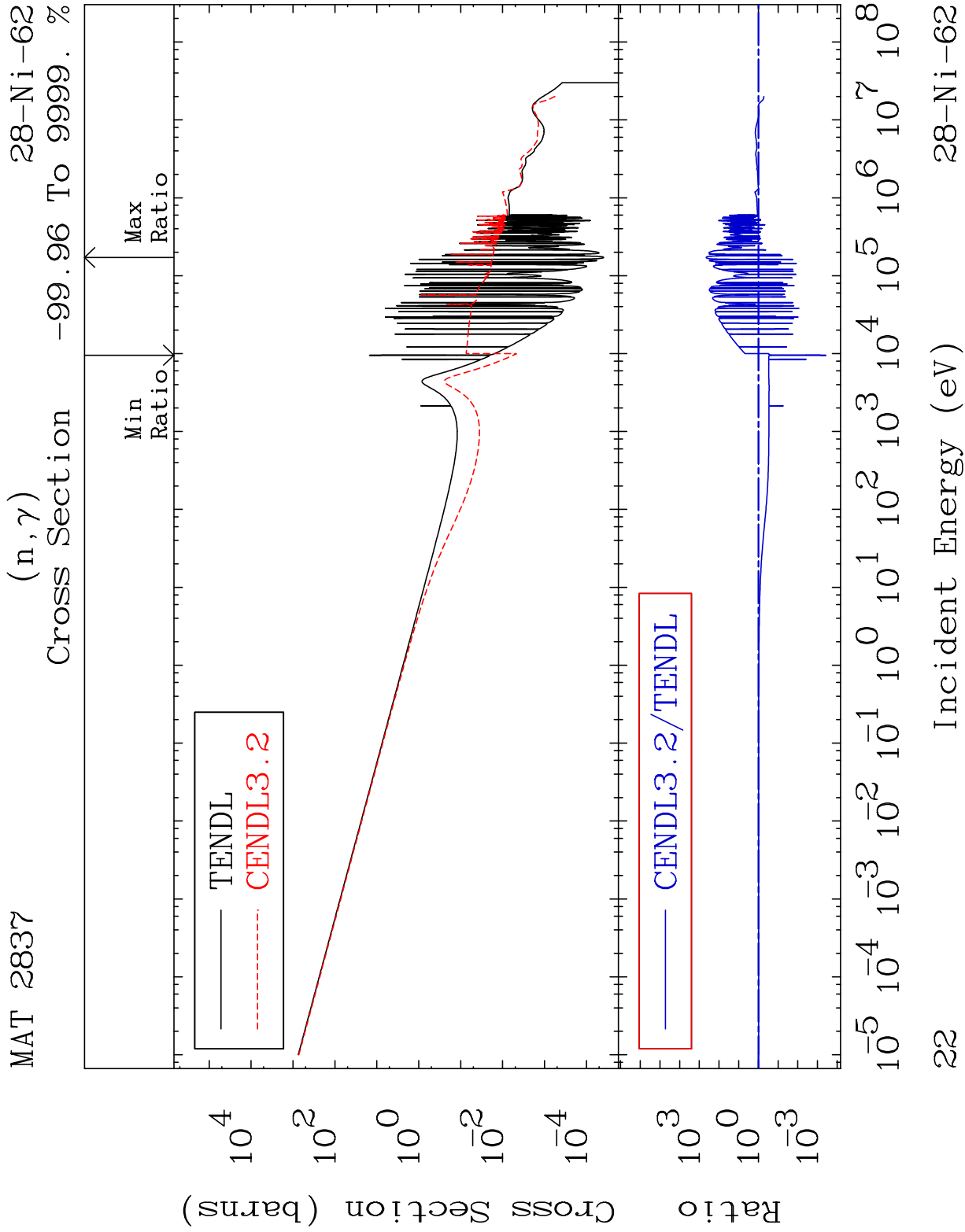
MAT 2837 MT= 62 (n,n') Level 28-Ni-62
Cross Section -100.0 To 64.18 %

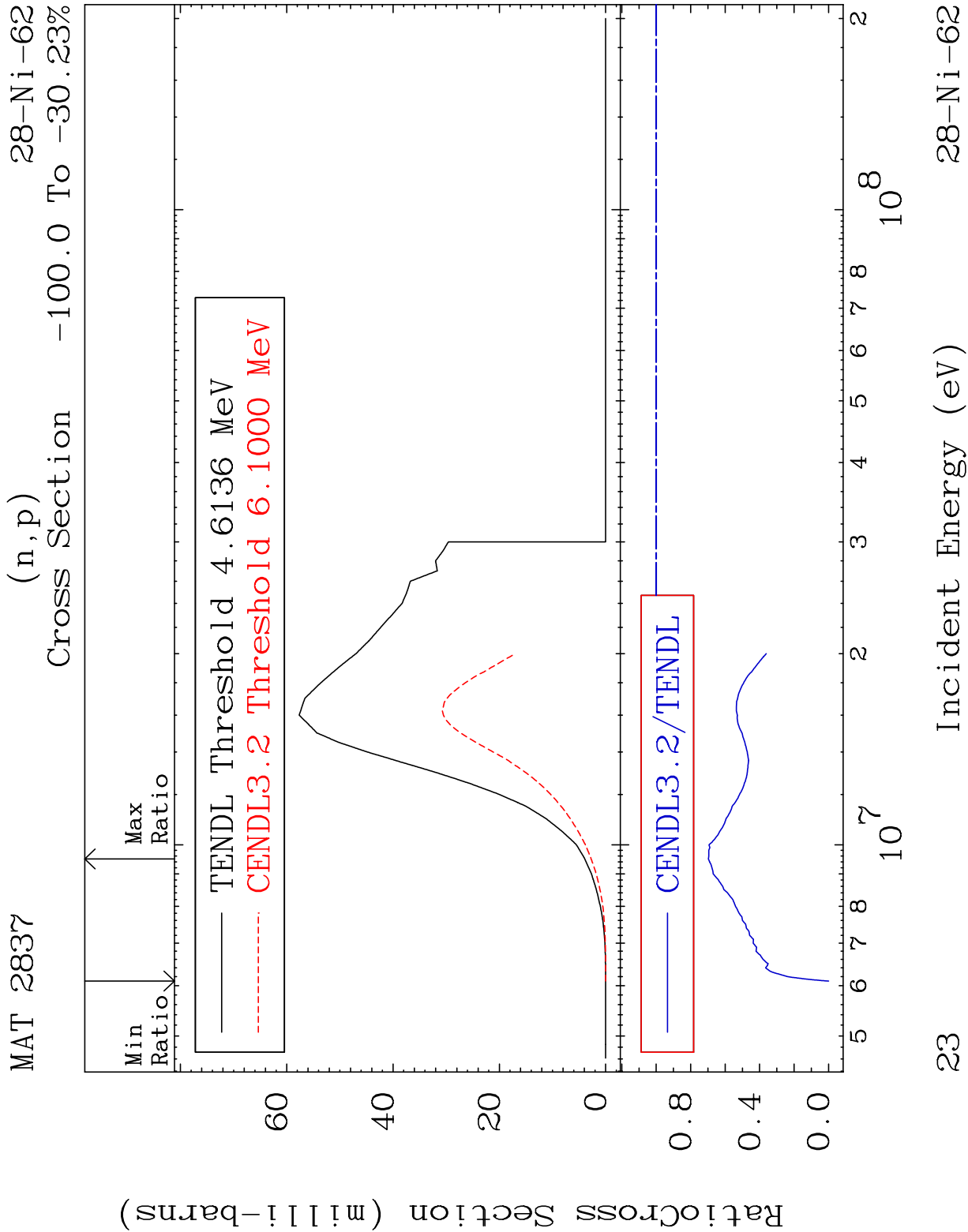


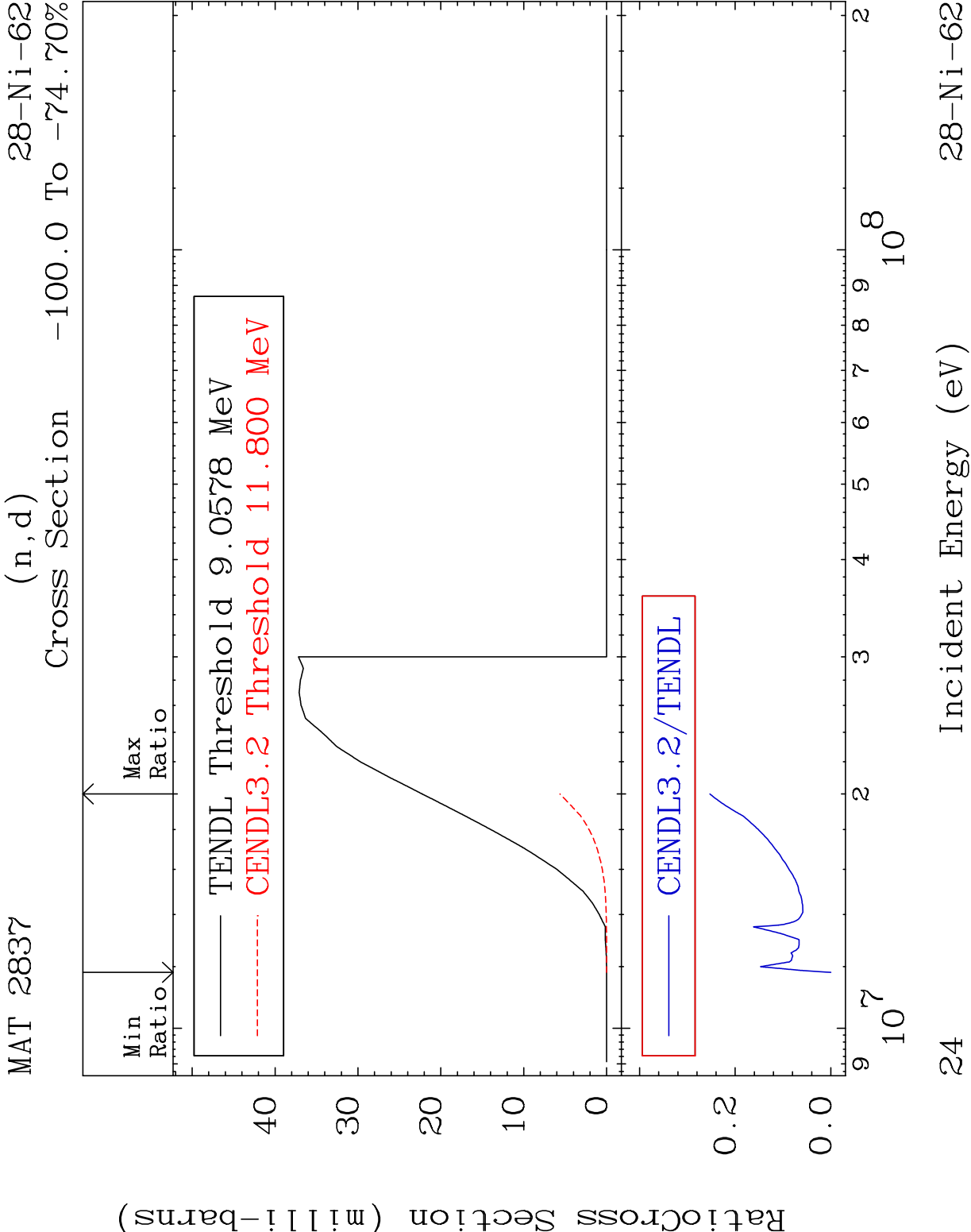


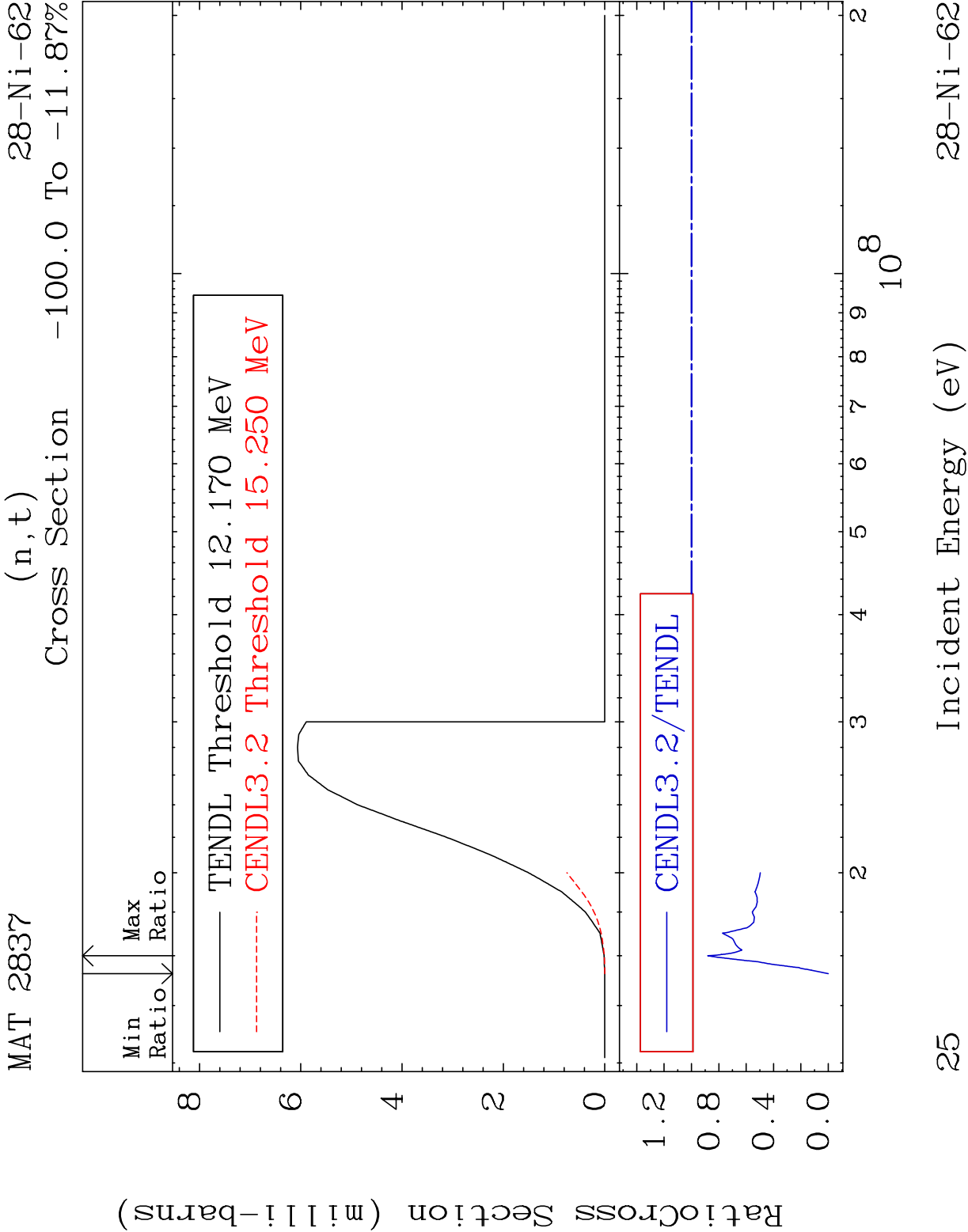


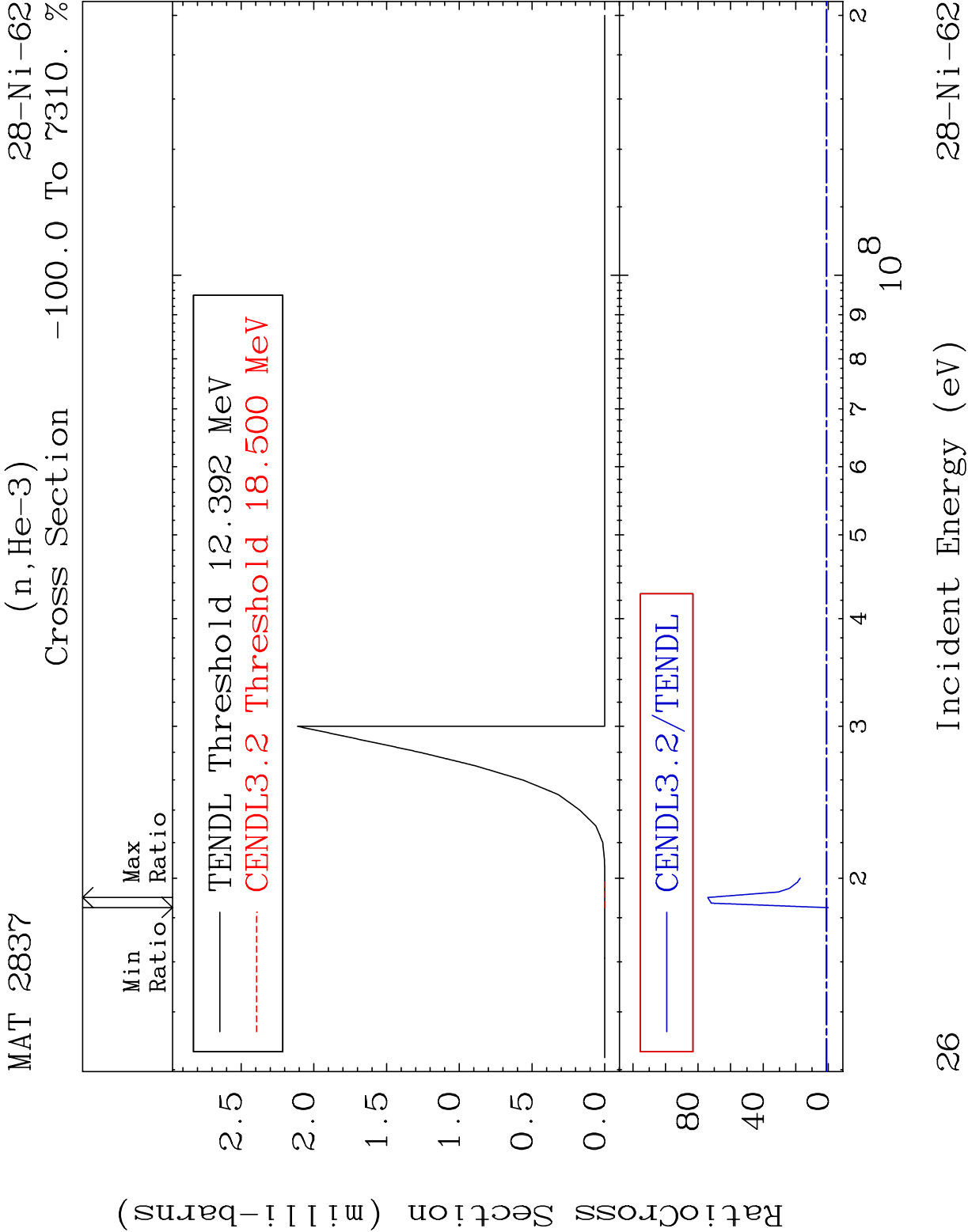




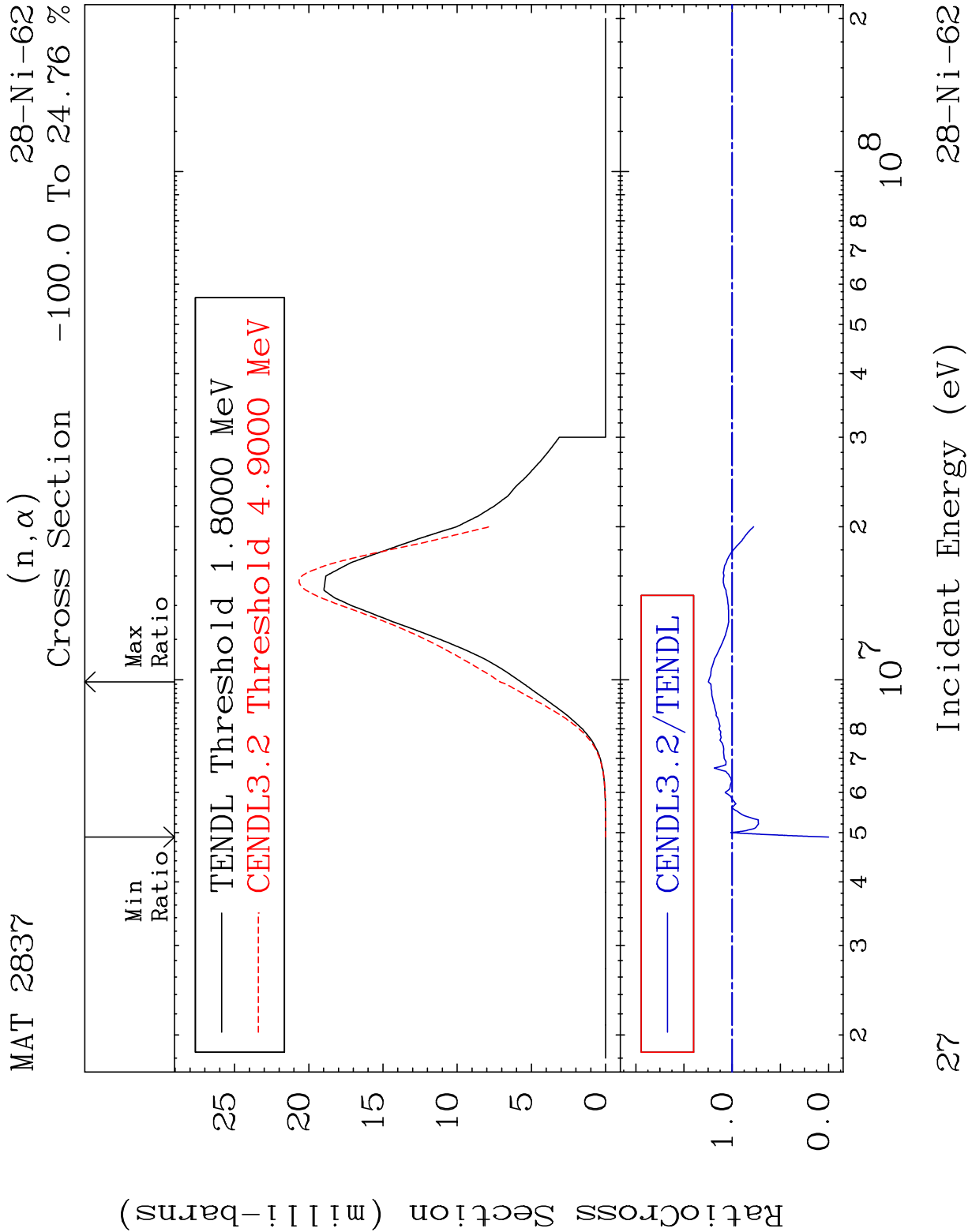


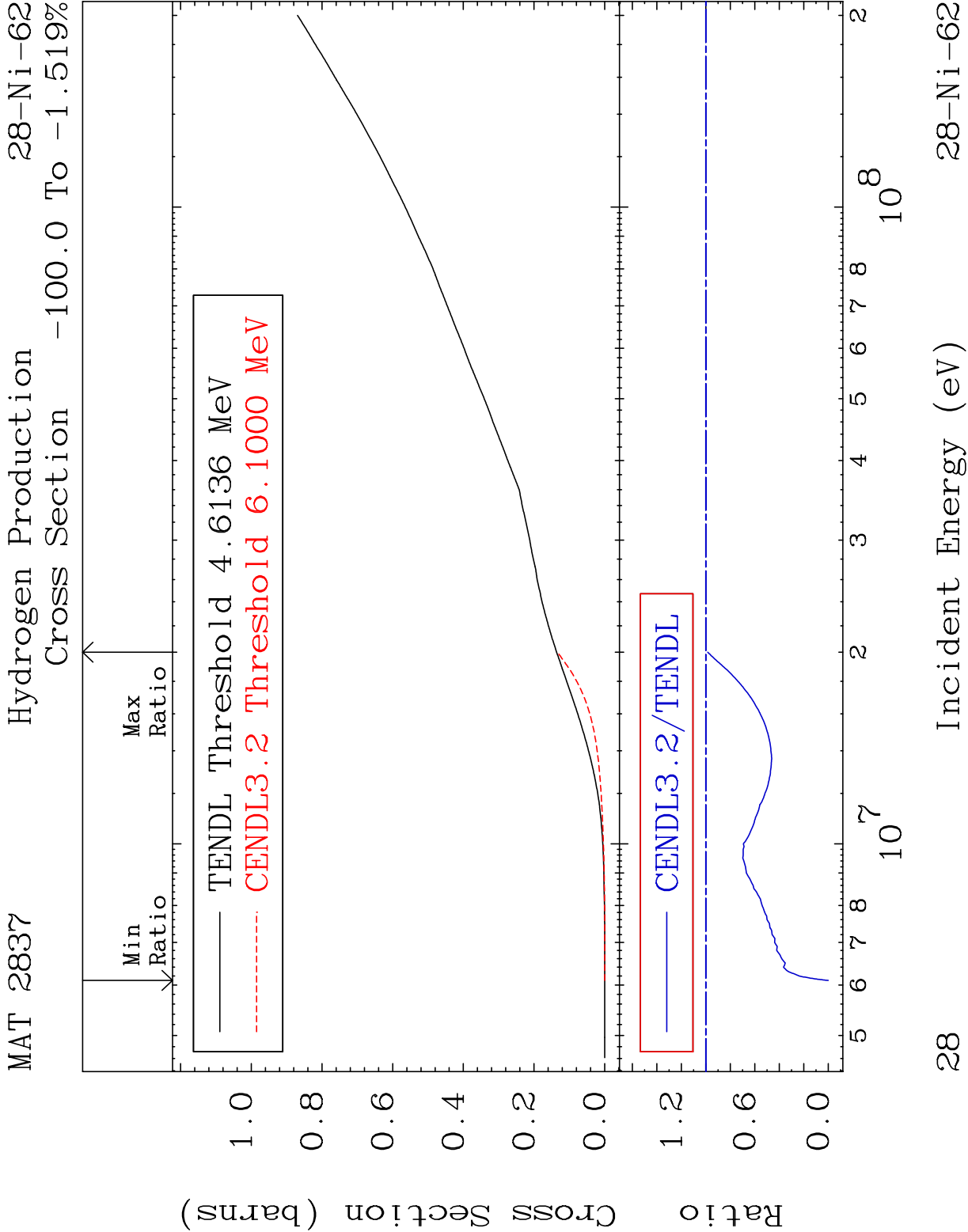




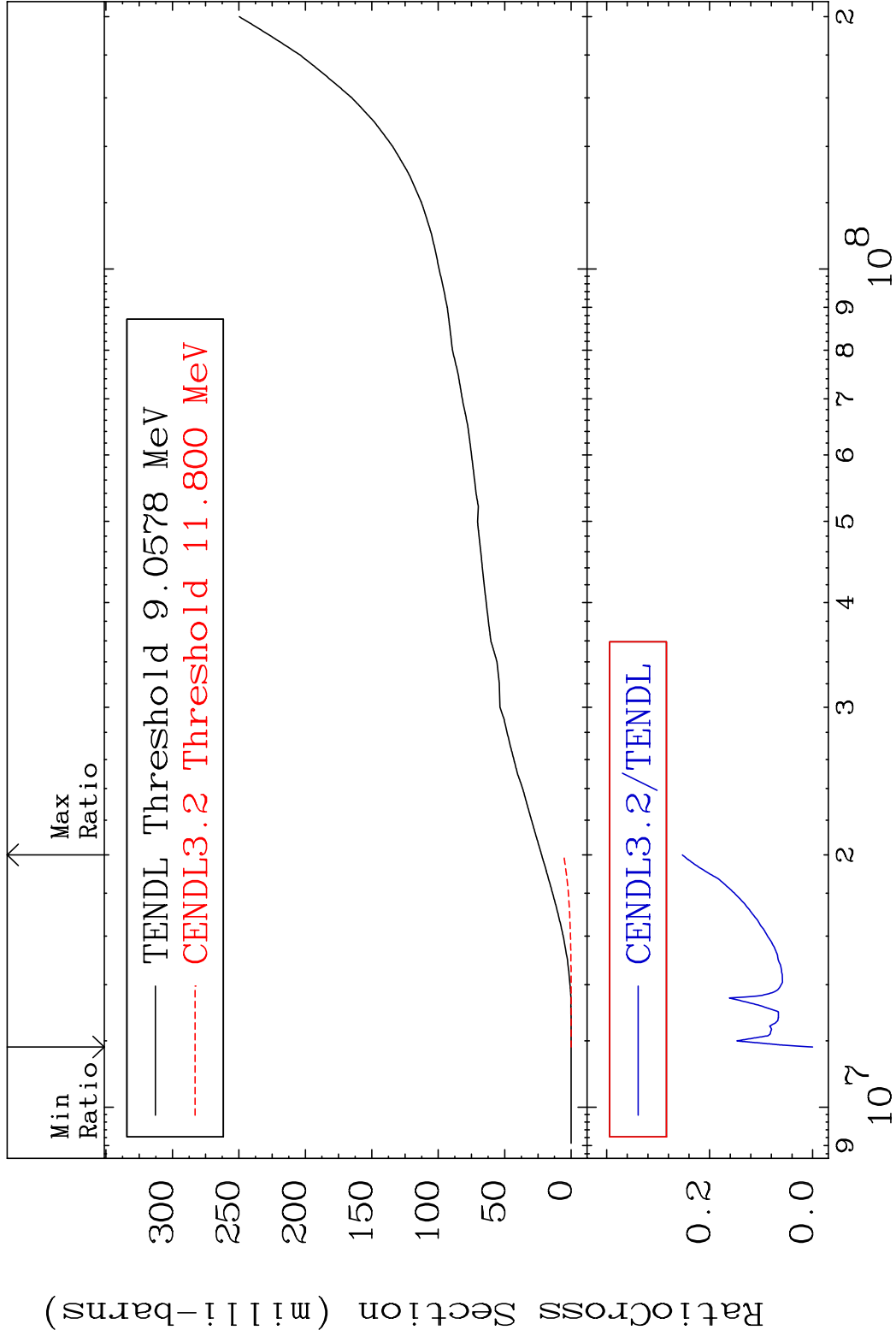


26

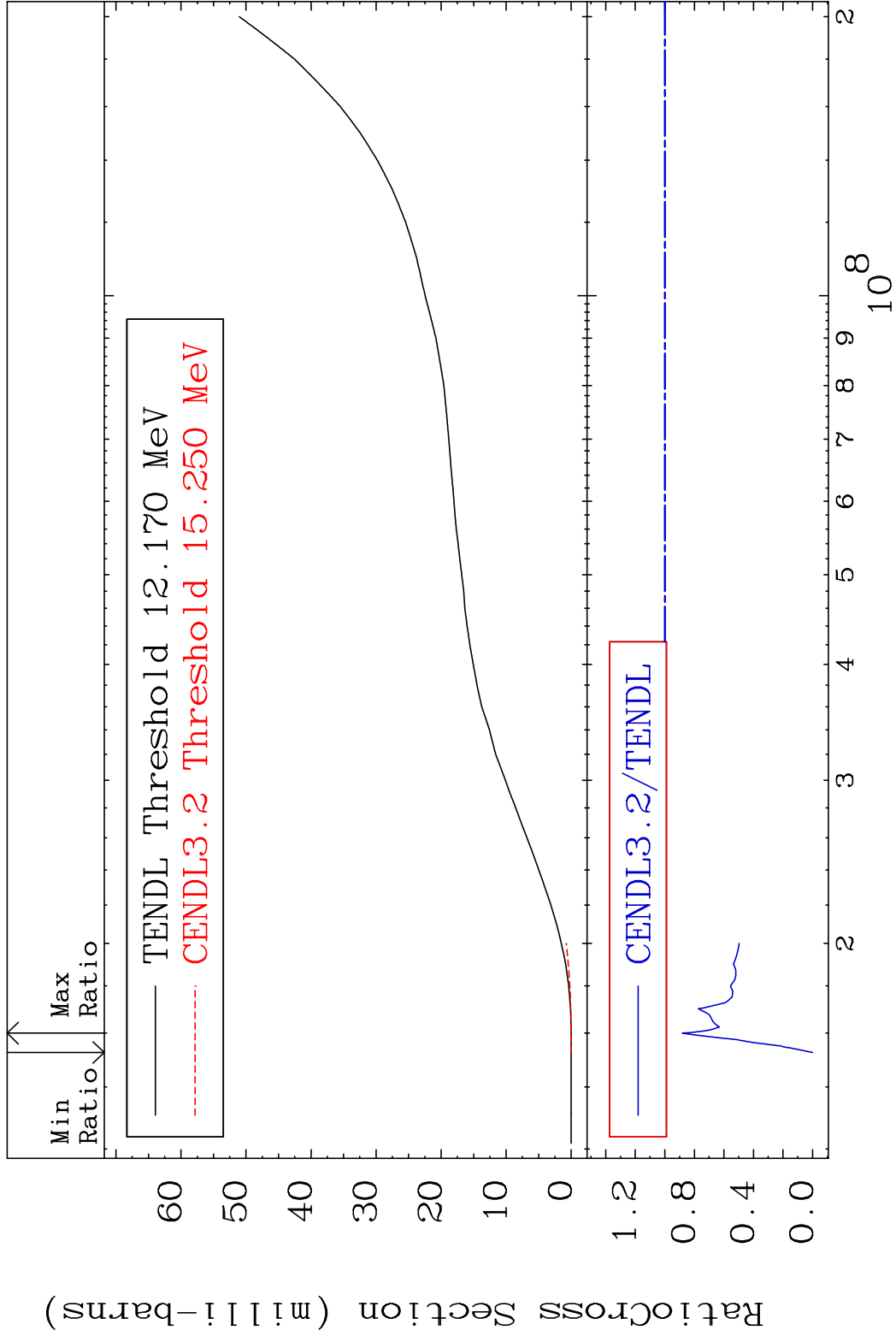


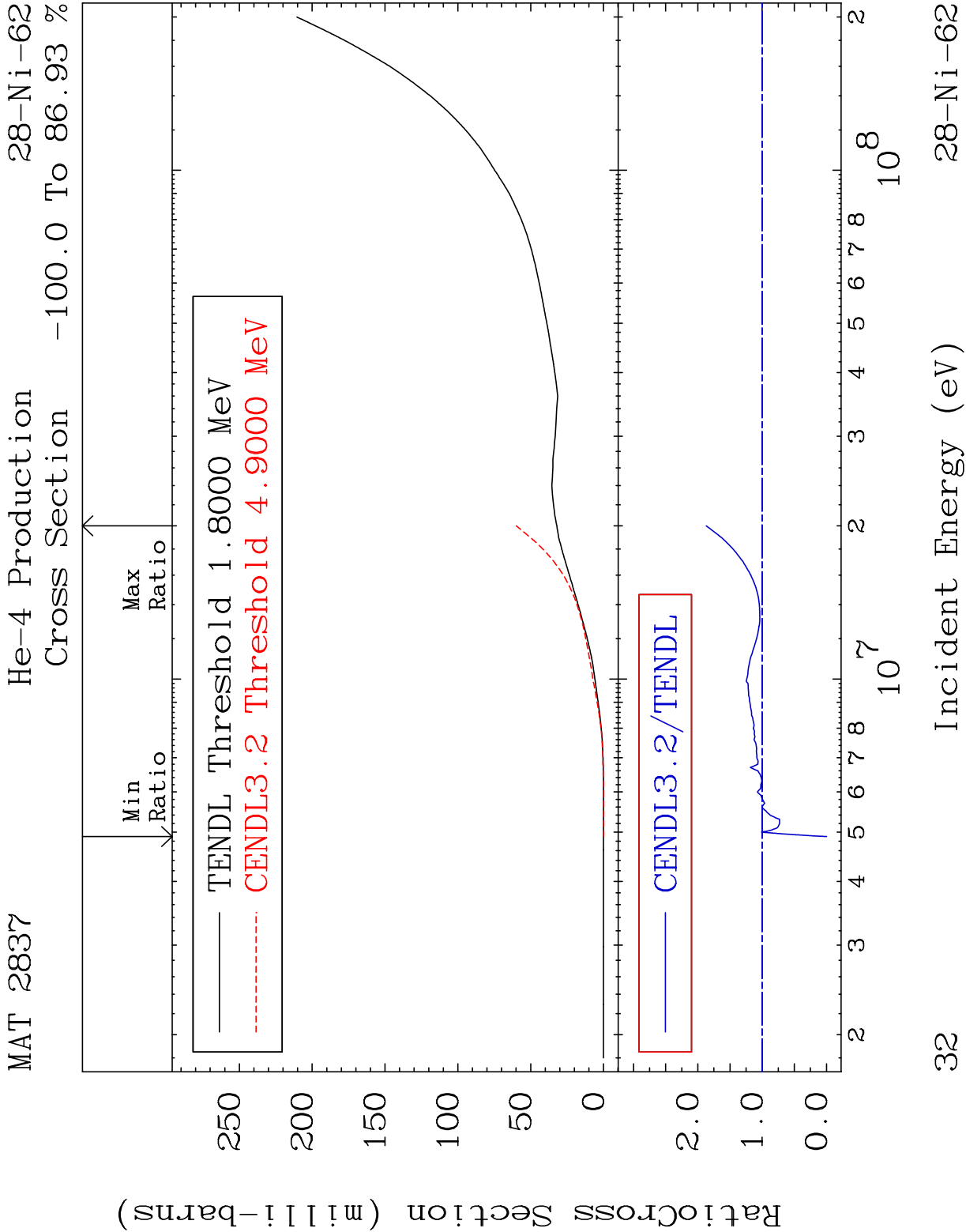


MAT 2837 Deuterium Production ²⁸Ni-62
Cross Section -100.0 To -74.70%

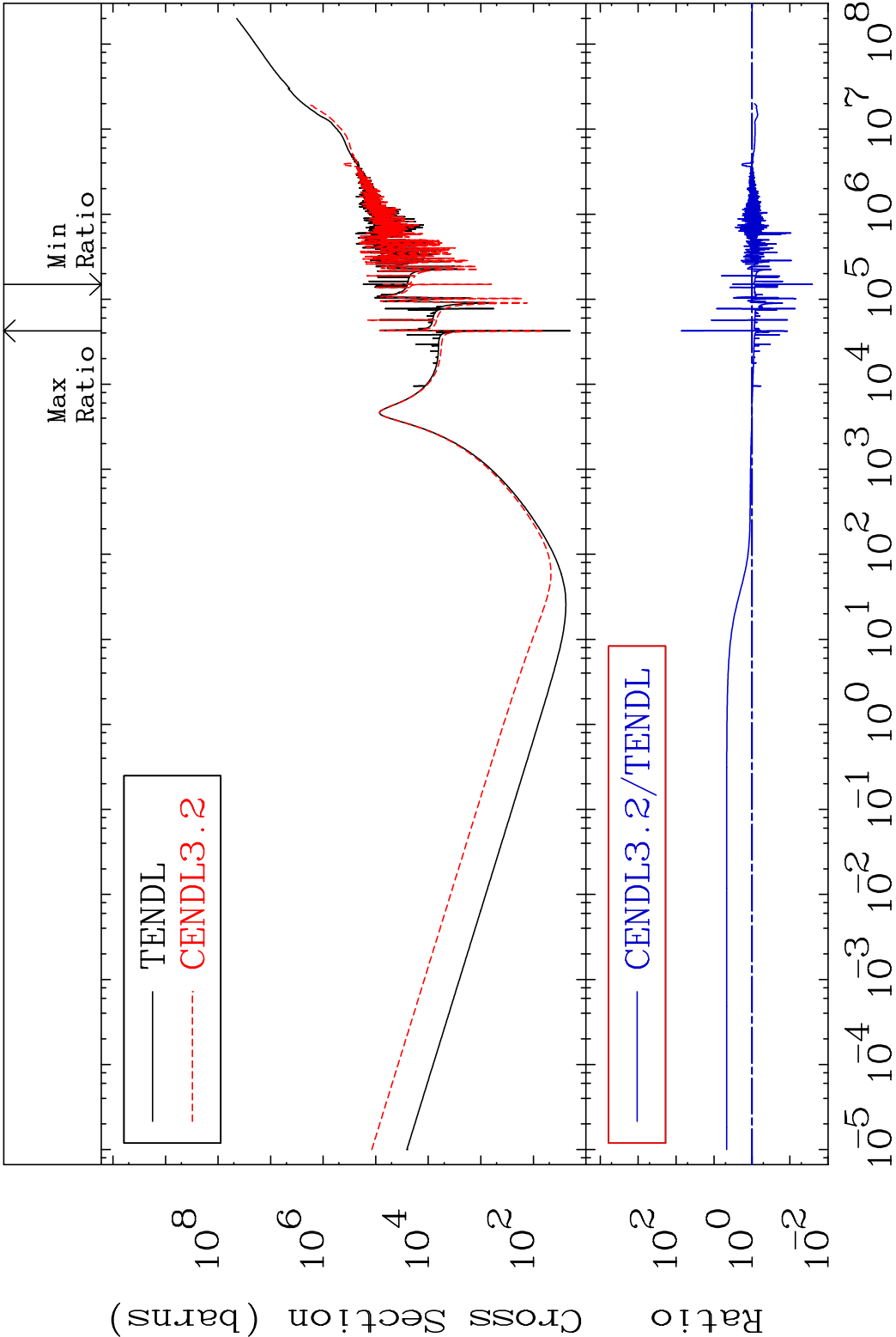


29 Incident Energy (eV) ²⁸Ni-62





MAT 2837 Kerma total (eV-barns) 28-Ni-62
Cross Section -97.42 To 7083. %



33 Incident Energy (eV) 28-Ni-62

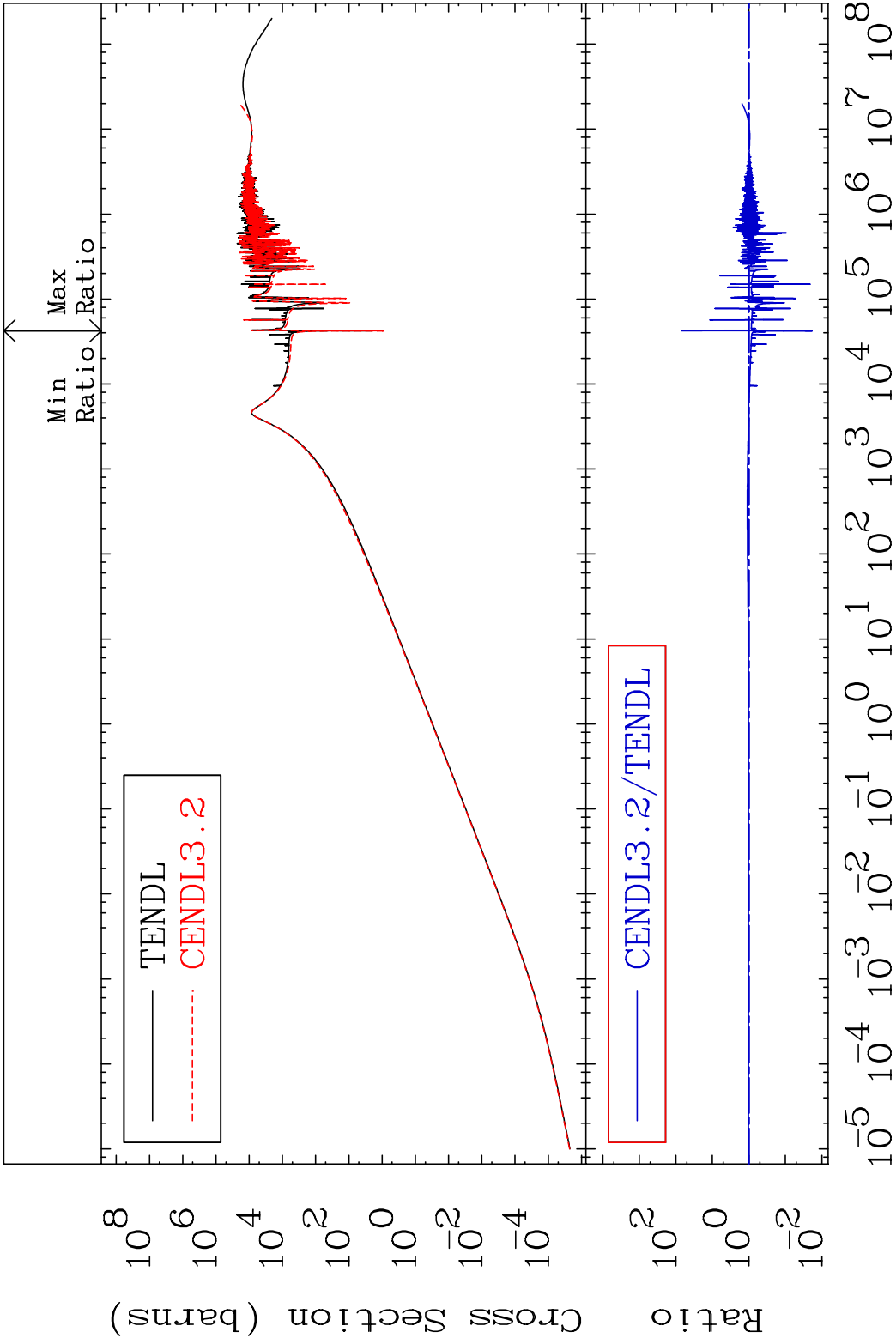
MAT 2837

Kerma elastic

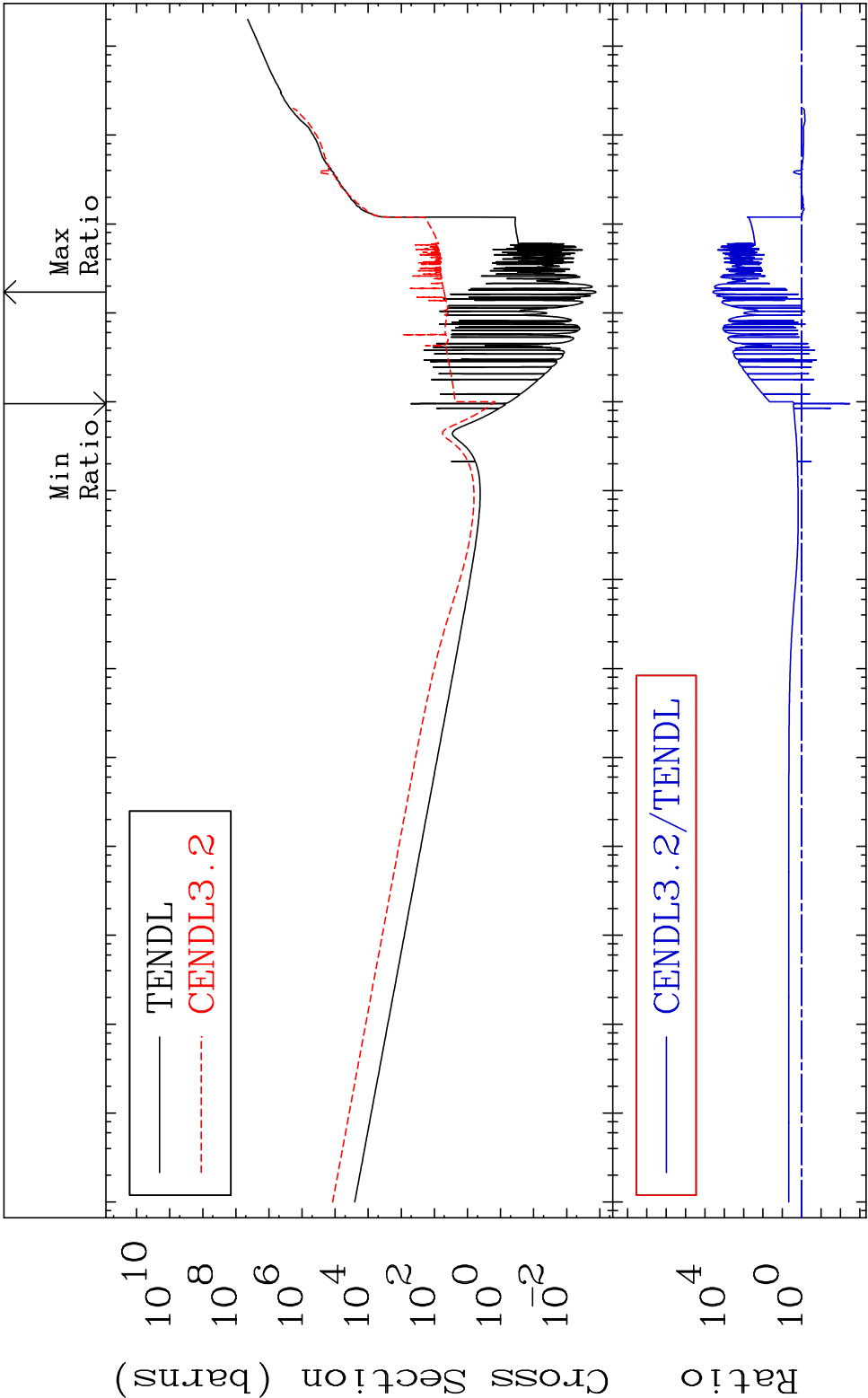
Cross Section

-98.16 To 6866. %

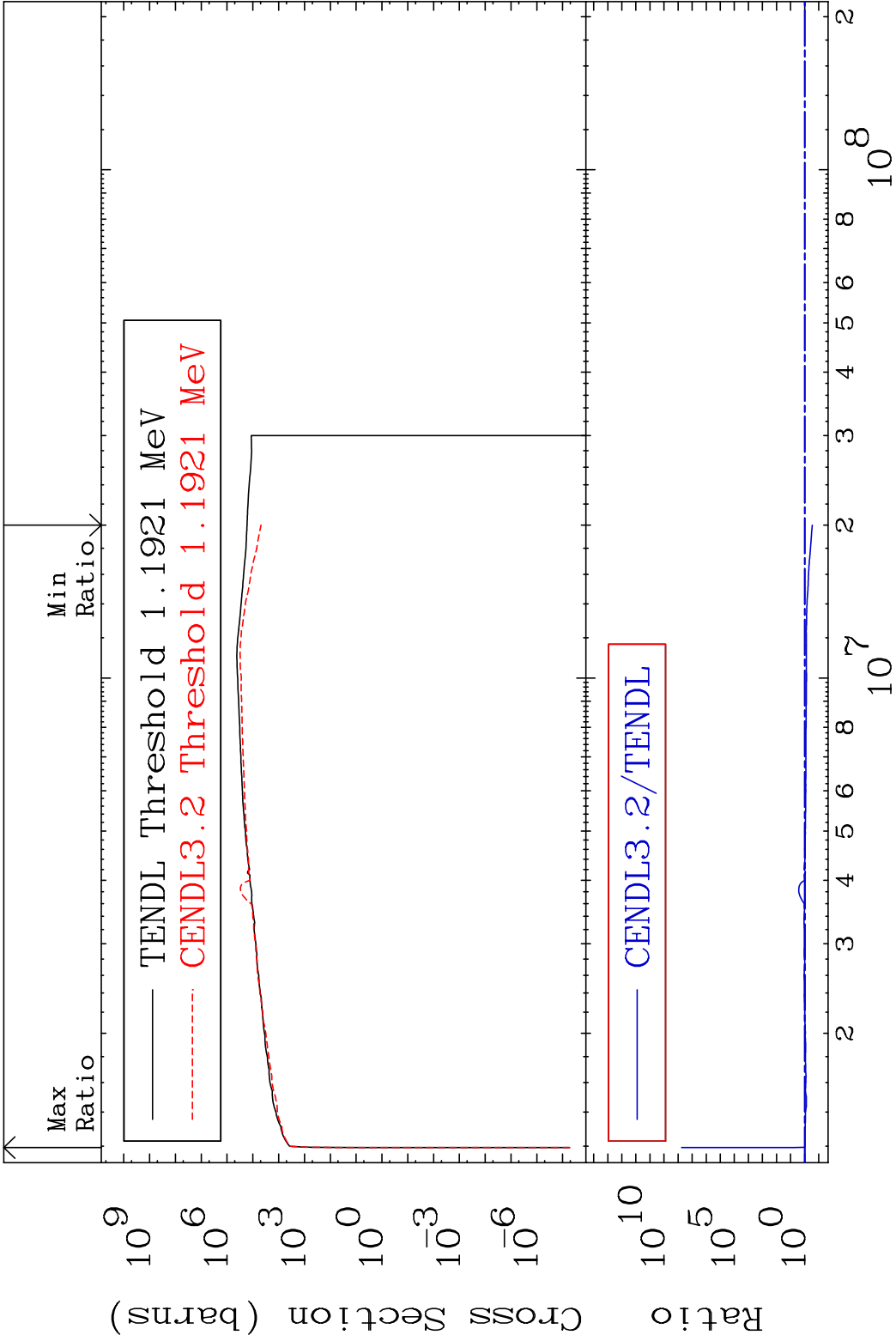
28-Ni-62



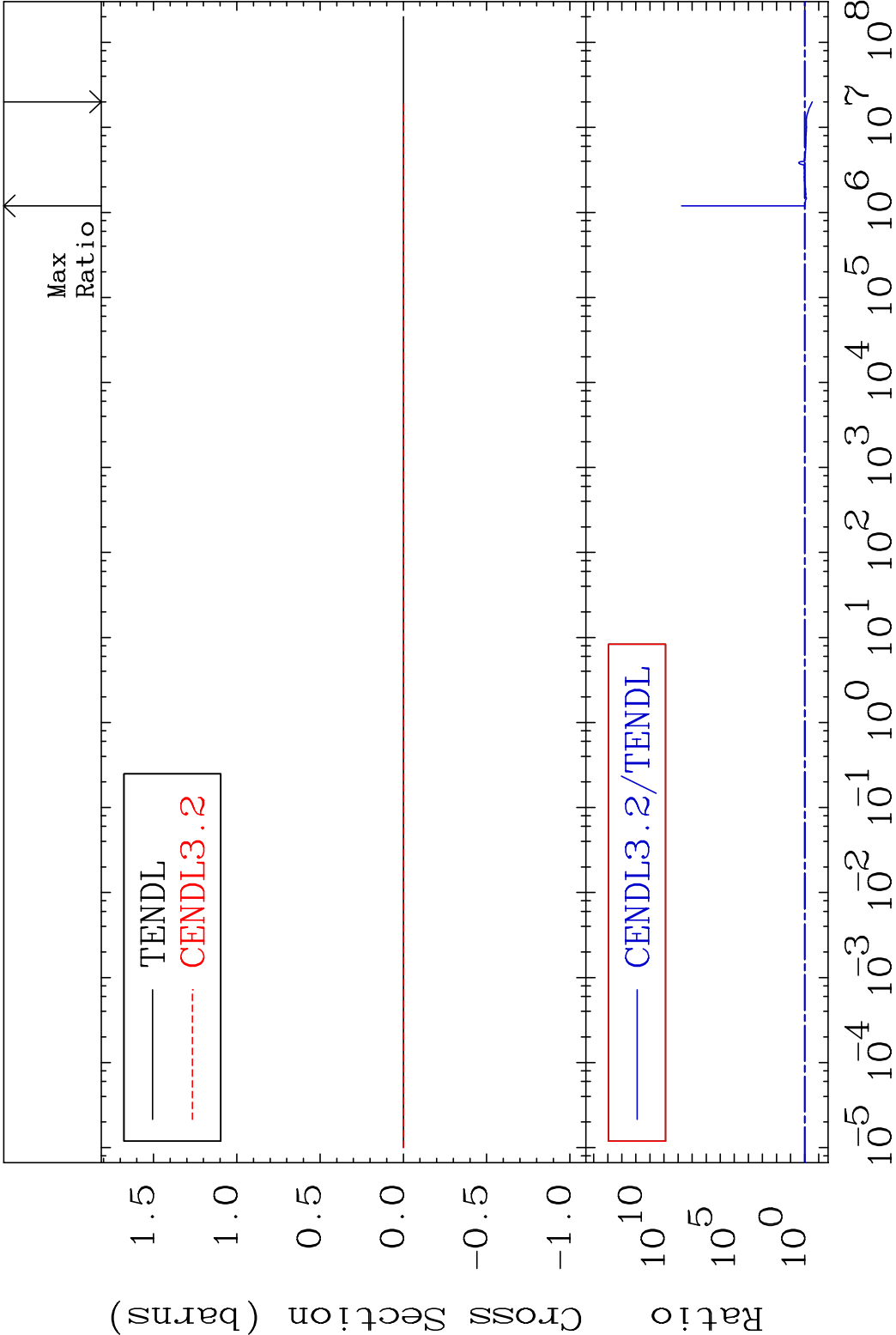
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
 Cross Section -99.66 To 9999. %



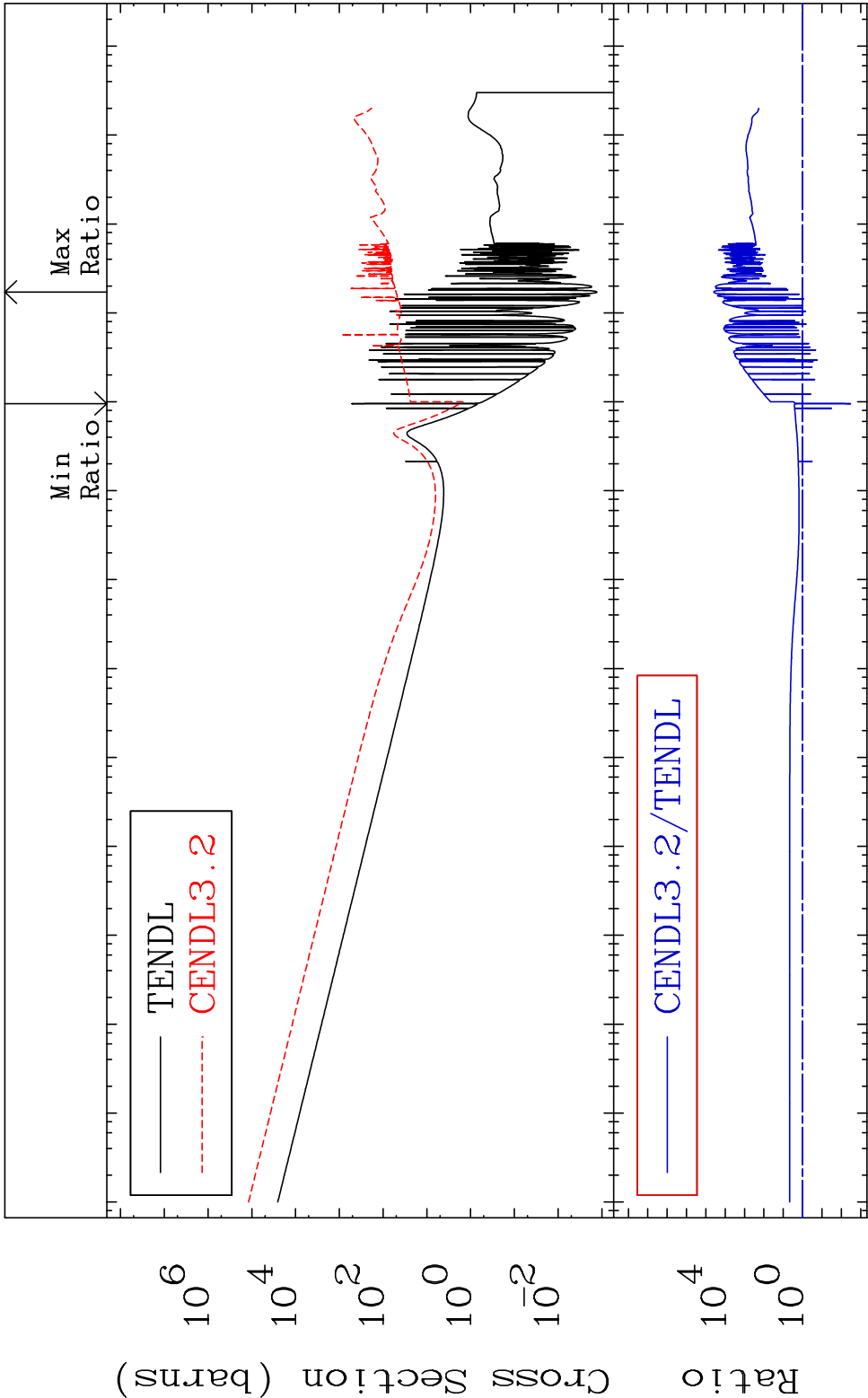
35 Incident Energy (eV) 28-Ni-62



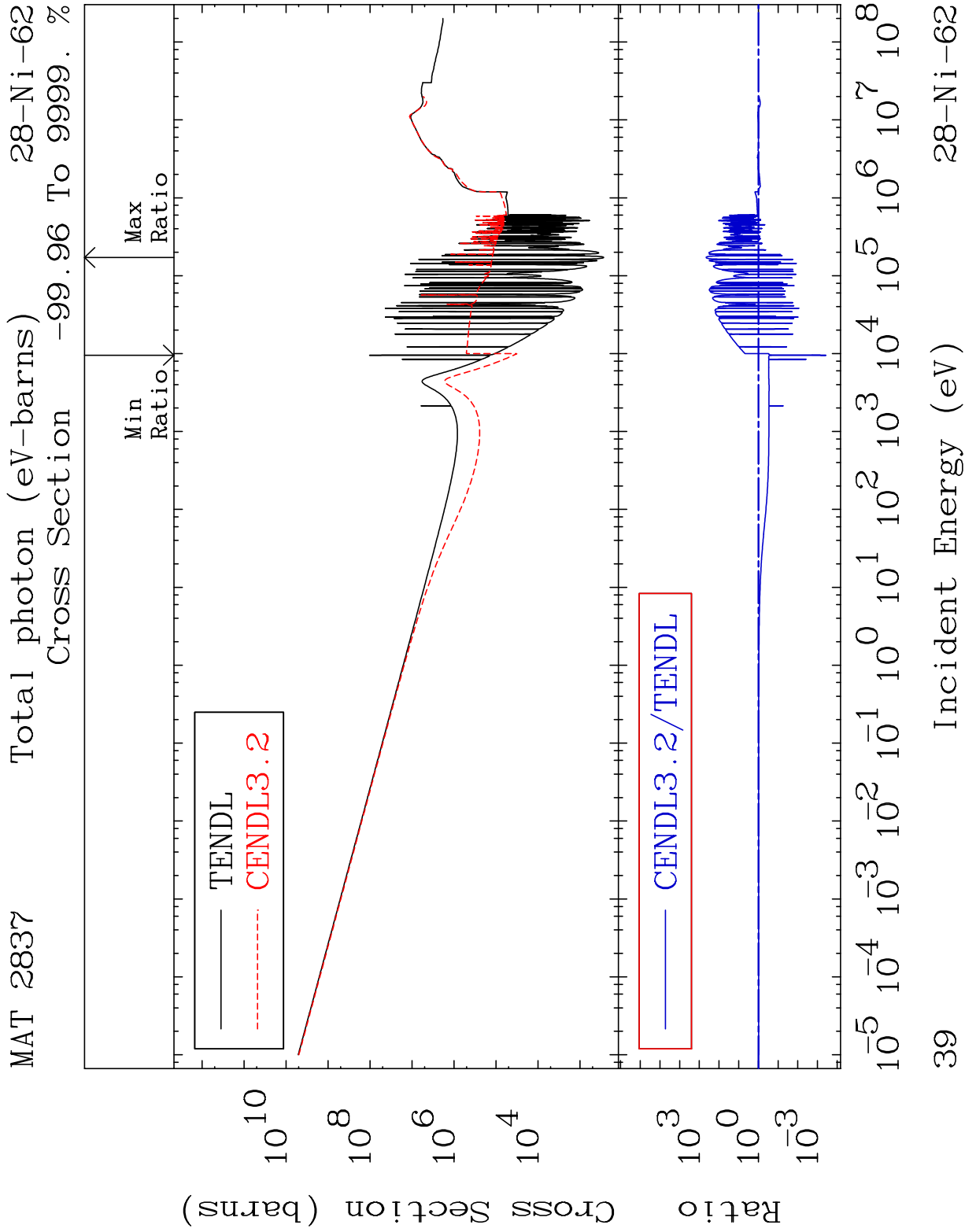
MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
Cross Section -71.26 To 9999. %



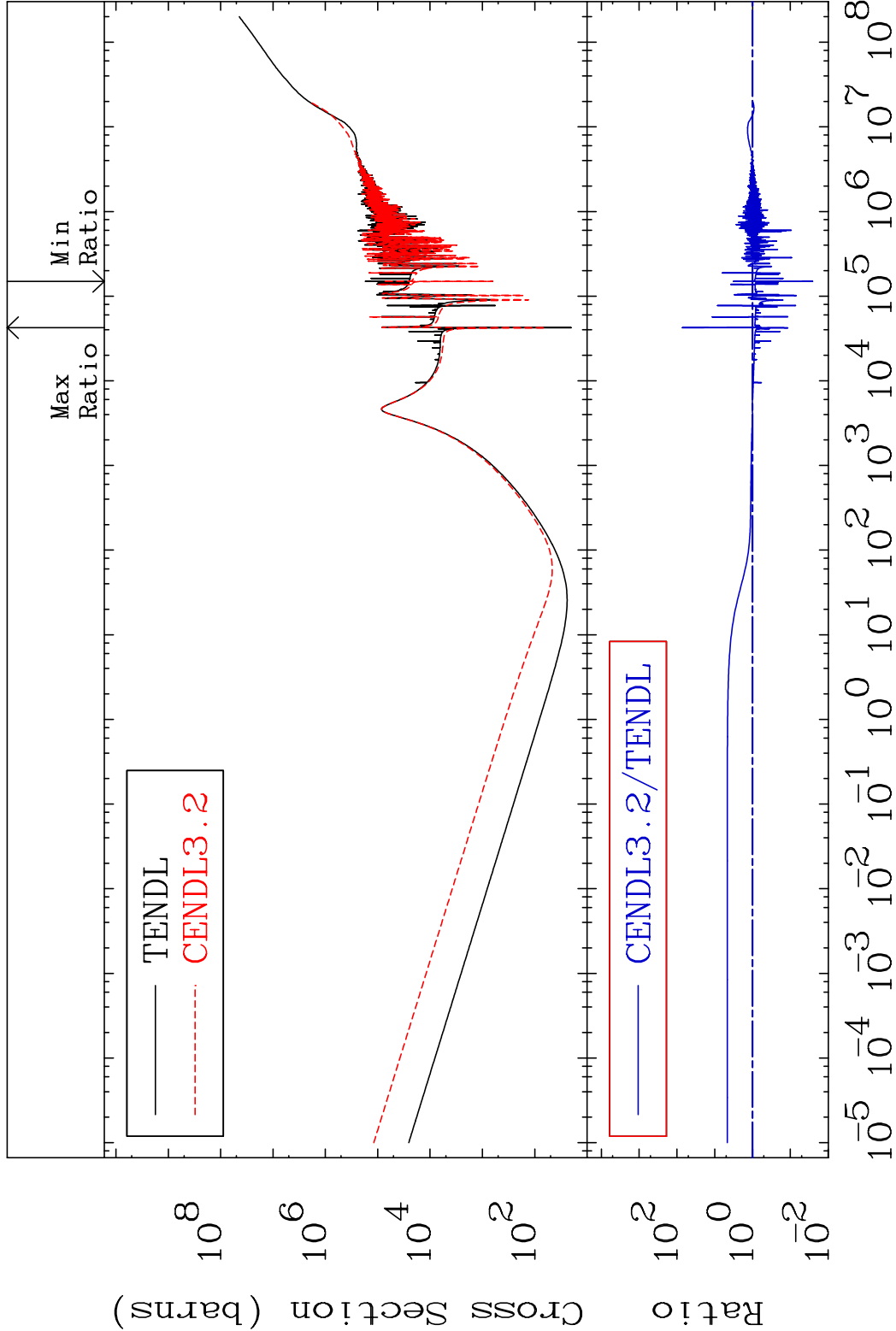
MAT 2837 Kerma capture (mt102) 28-Ni-62
Cross Section -99.66 To 9999. %



38 Incident Energy (eV) 28-Ni-62

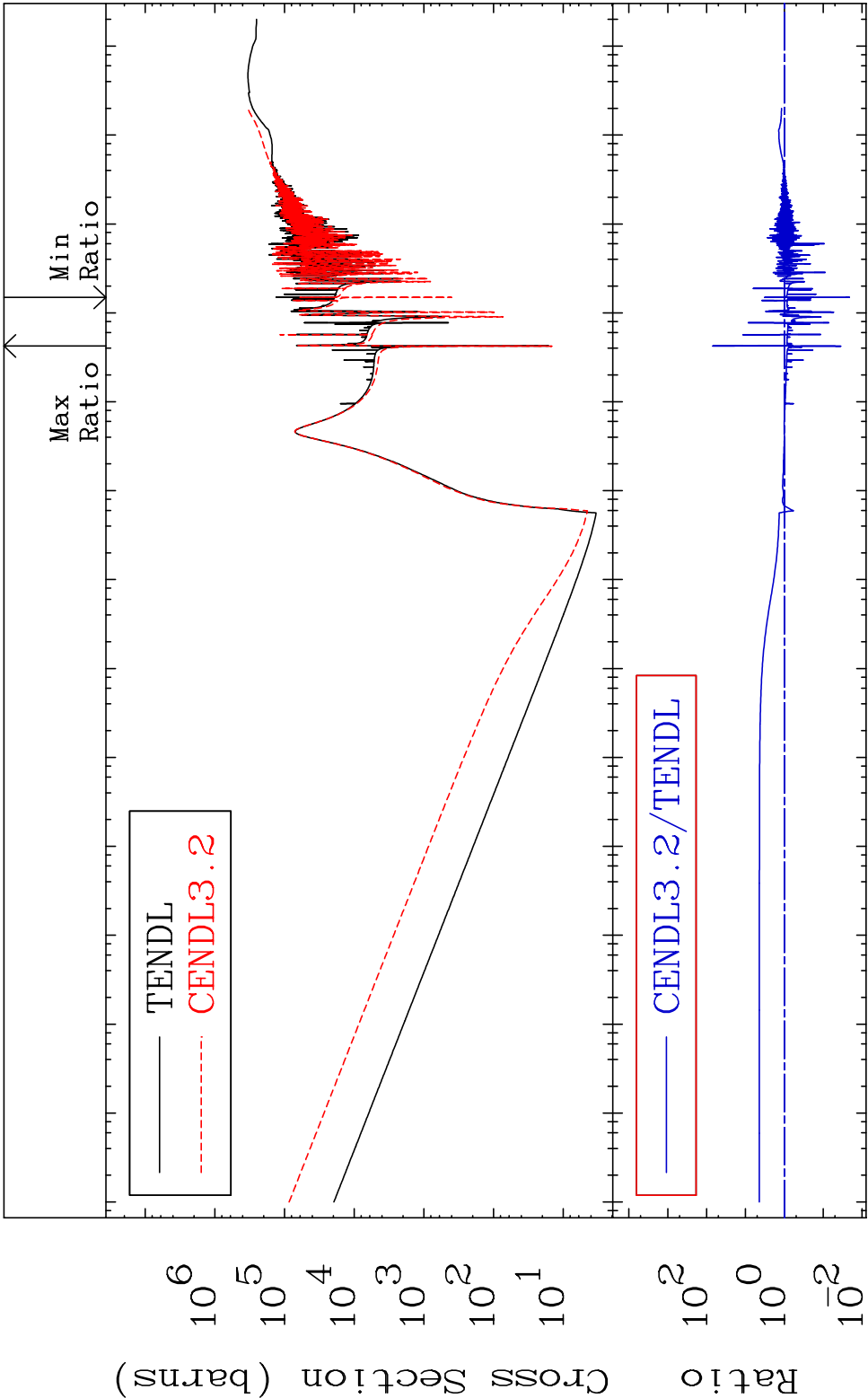


MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
Cross Section -97.42 To 7083. %



40 Incident Energy (eV) 28-Ni-62

MAT 2837 Dpa total (eV-barns) 28-Ni-62
 Cross Section -97.89 To 6833. %



41 Incident Energy (eV) 28-Ni-62

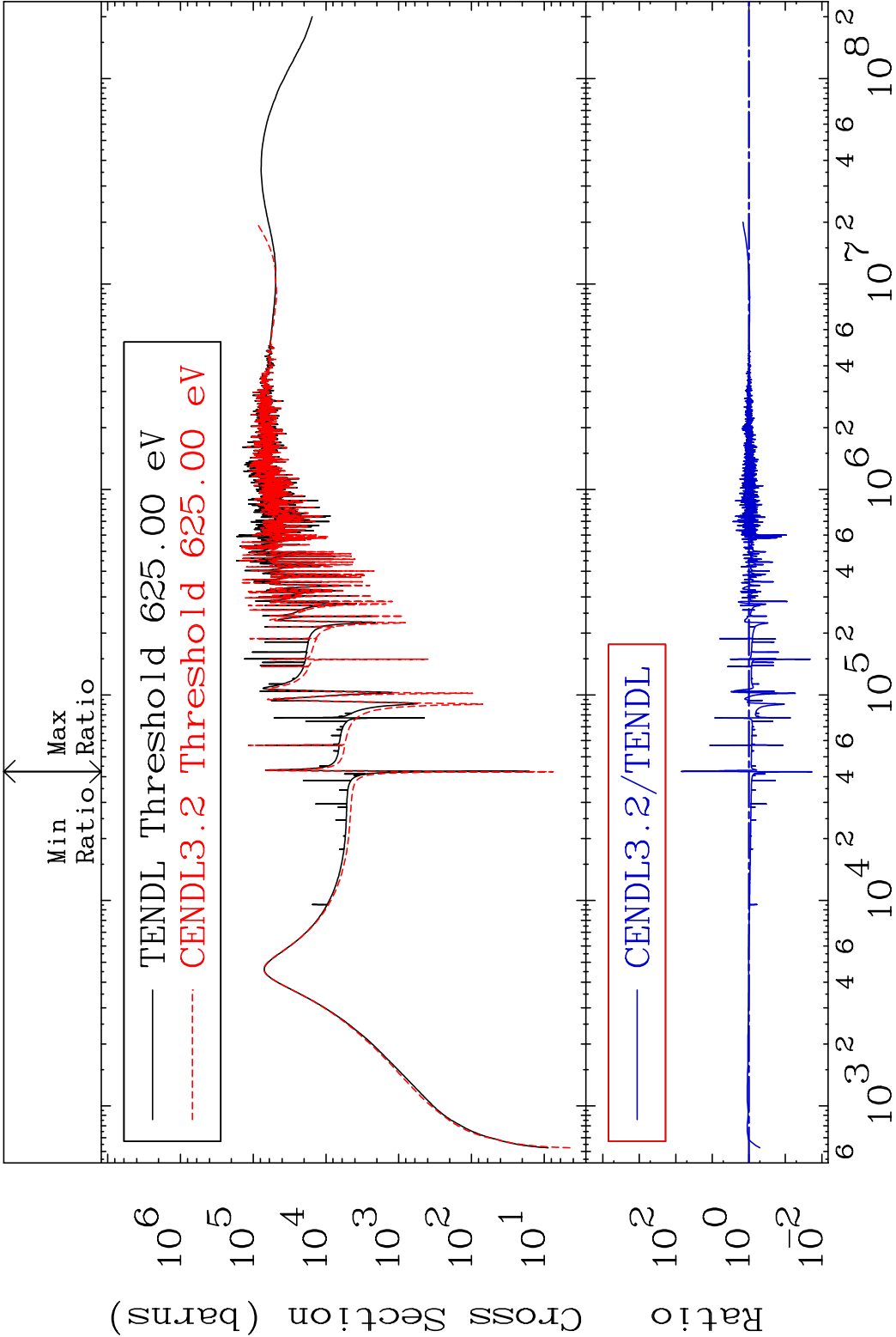
MAT 2837

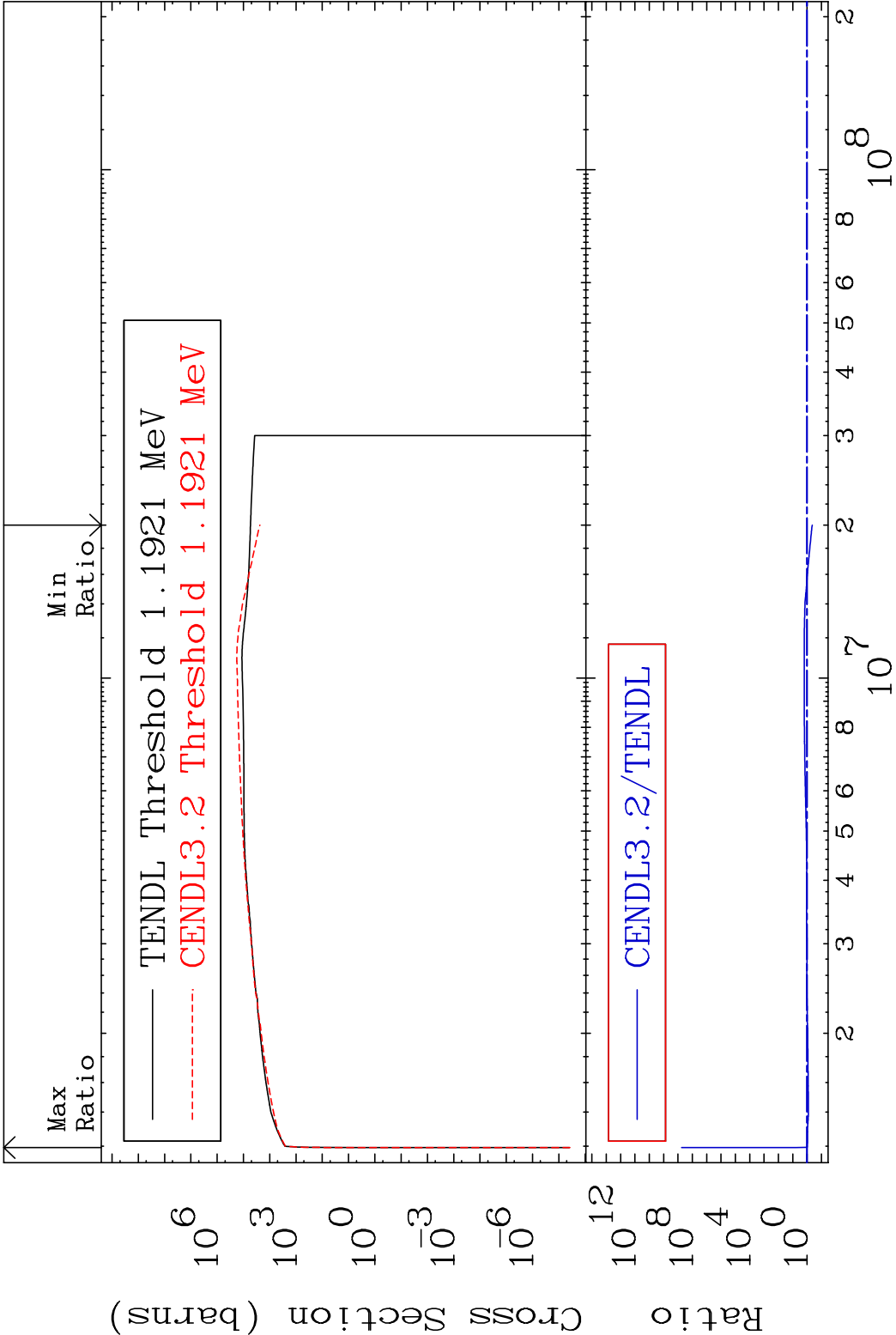
Dpa elastic (mt2)

28-Ni-62

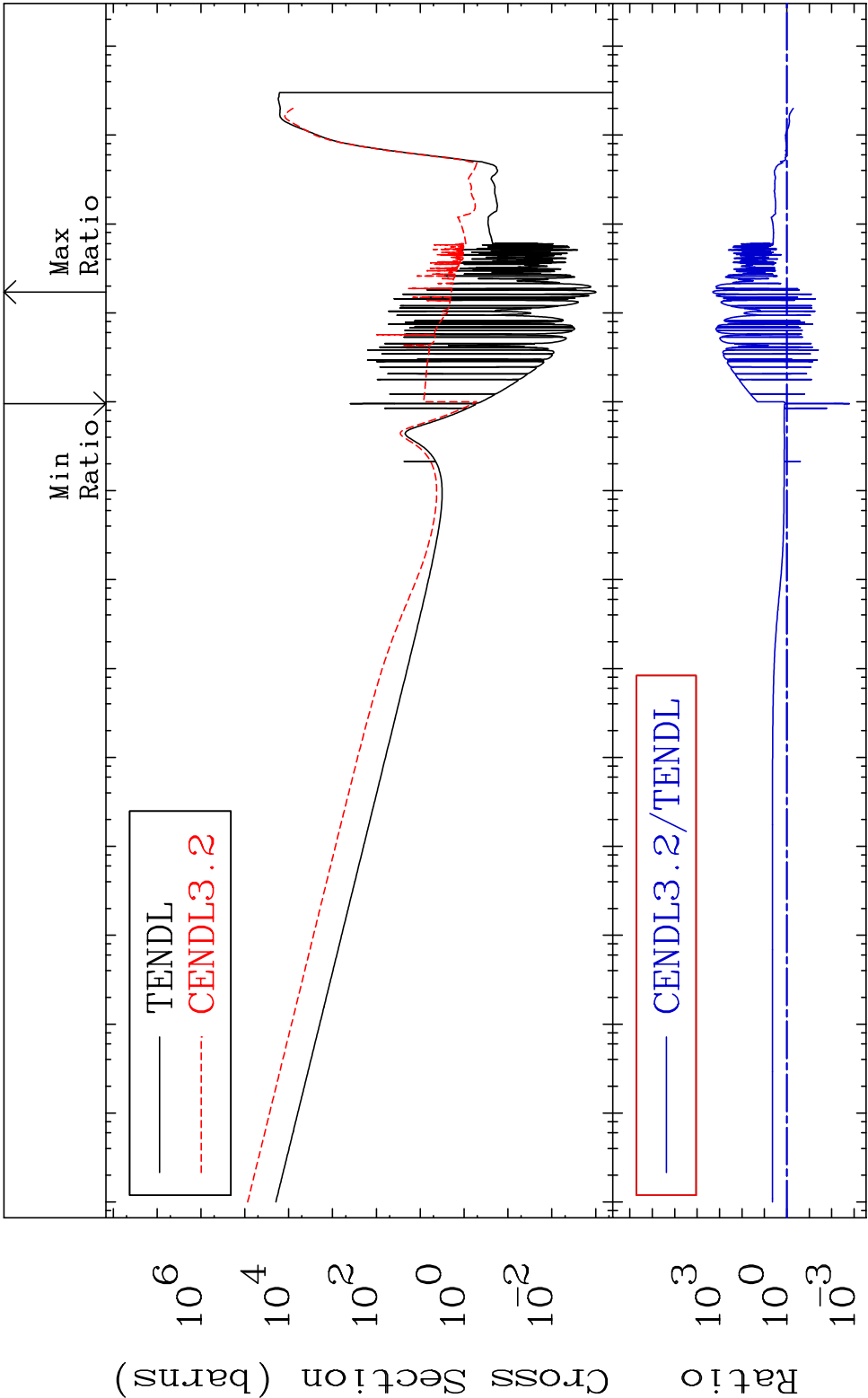
Cross Section

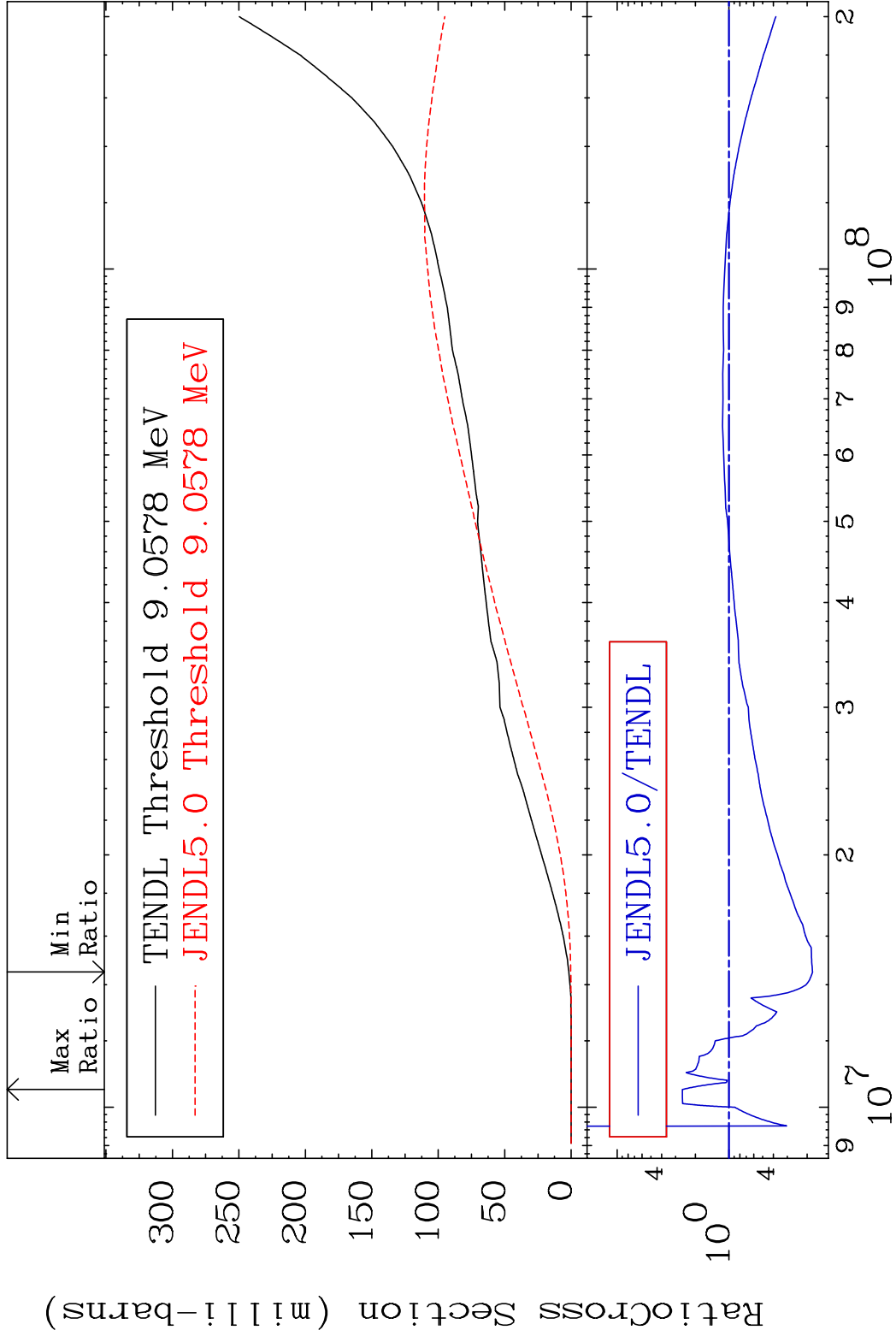
-98.16 To 6867. %

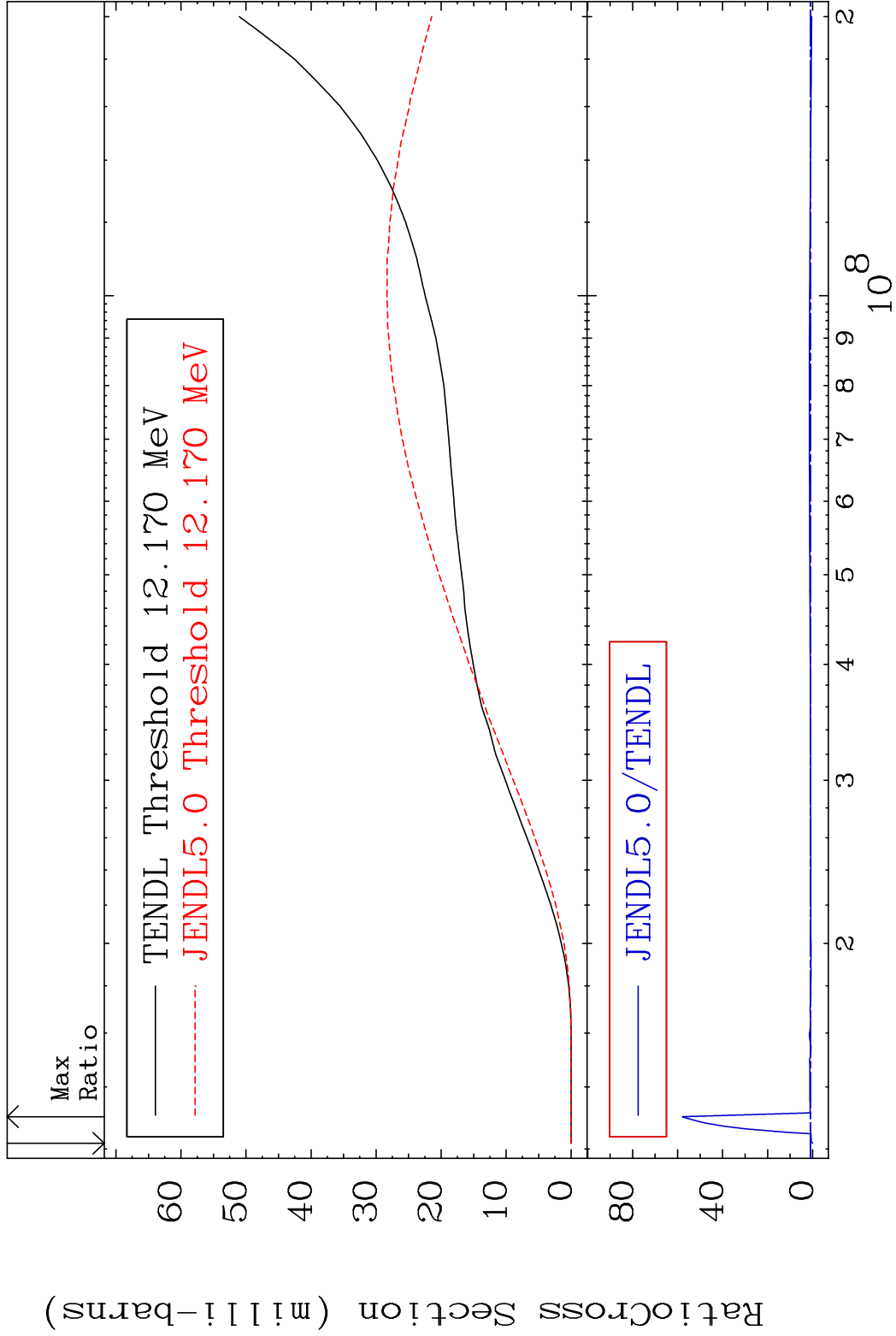


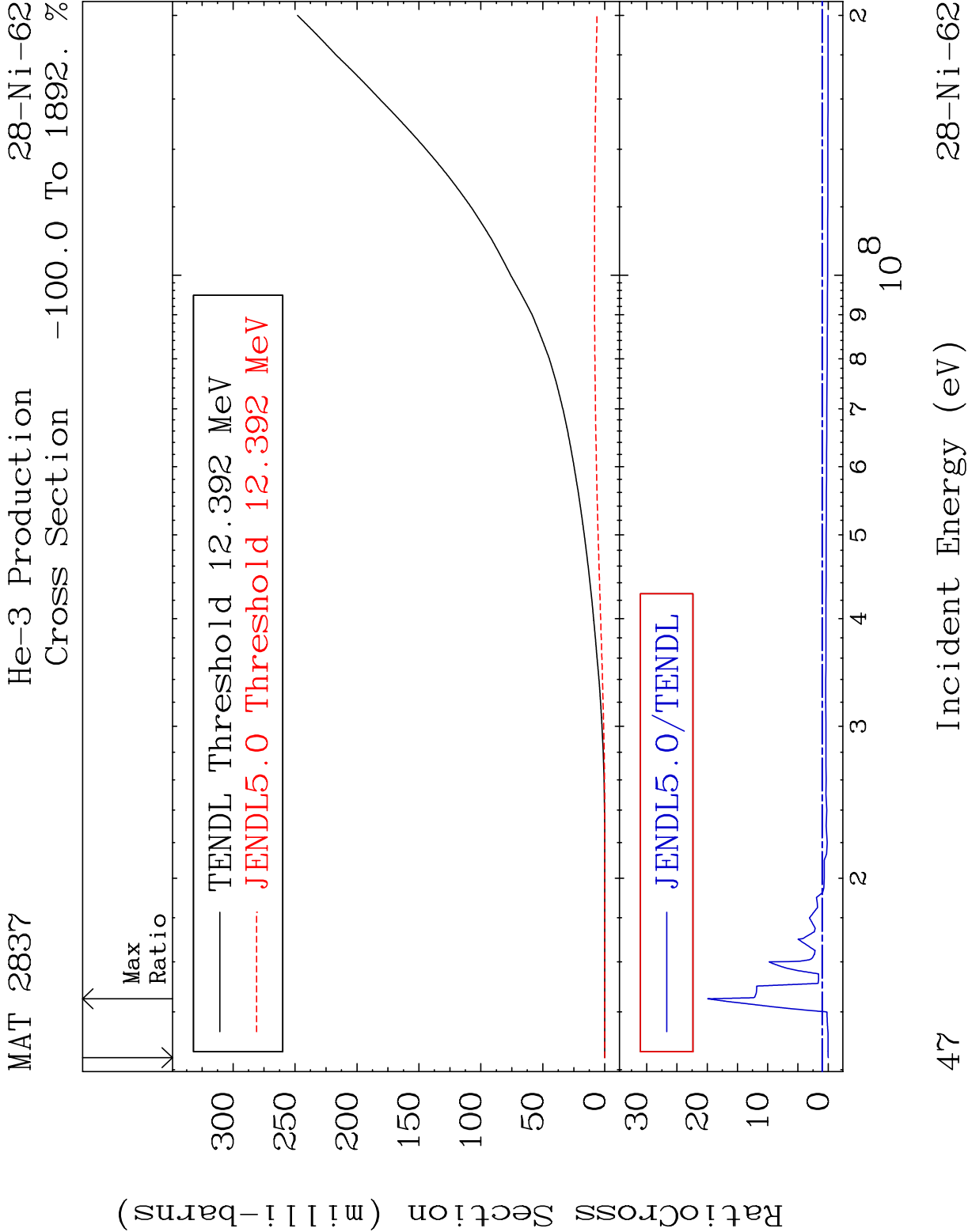


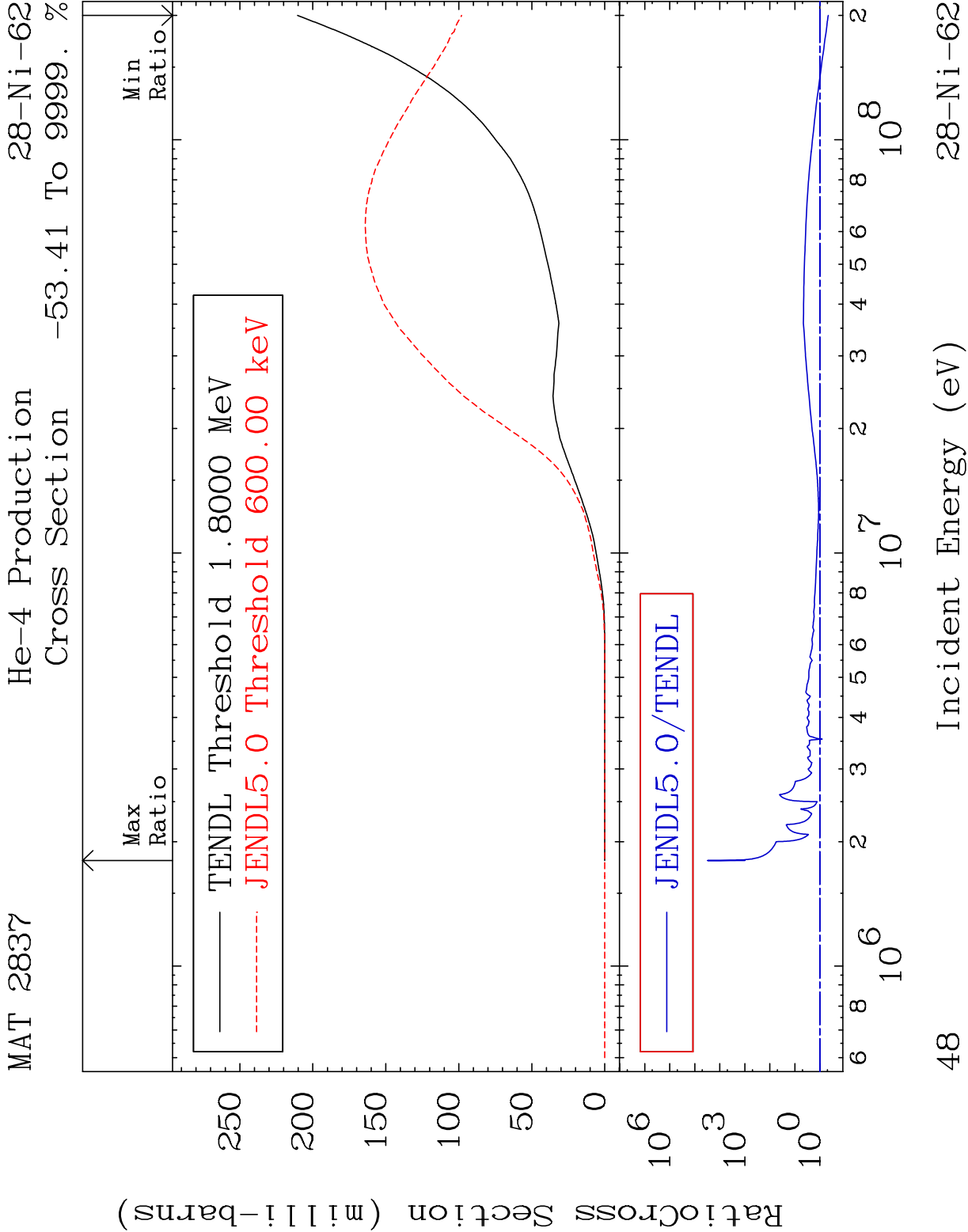
MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
 Cross Section -99.84 To 9999. %

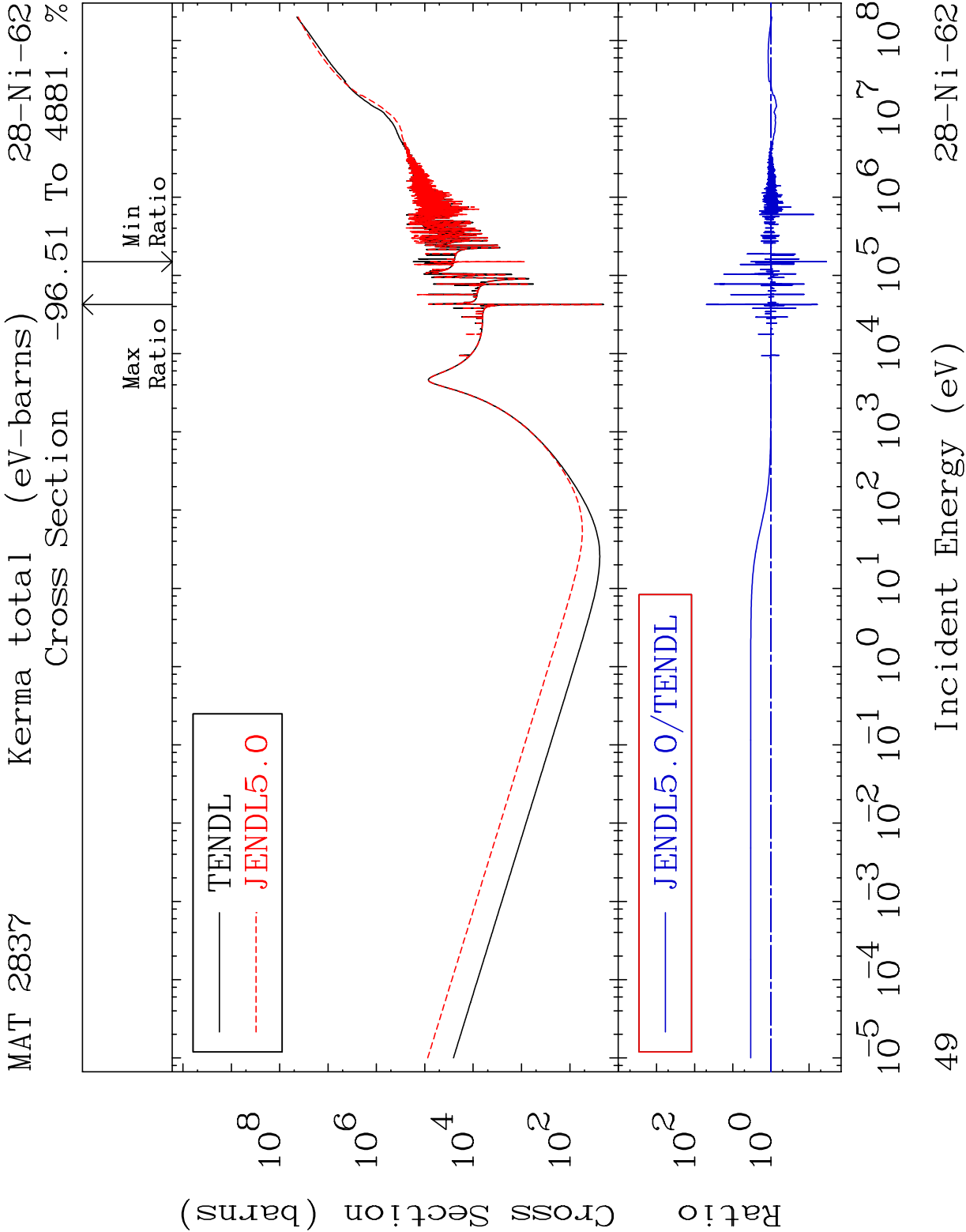


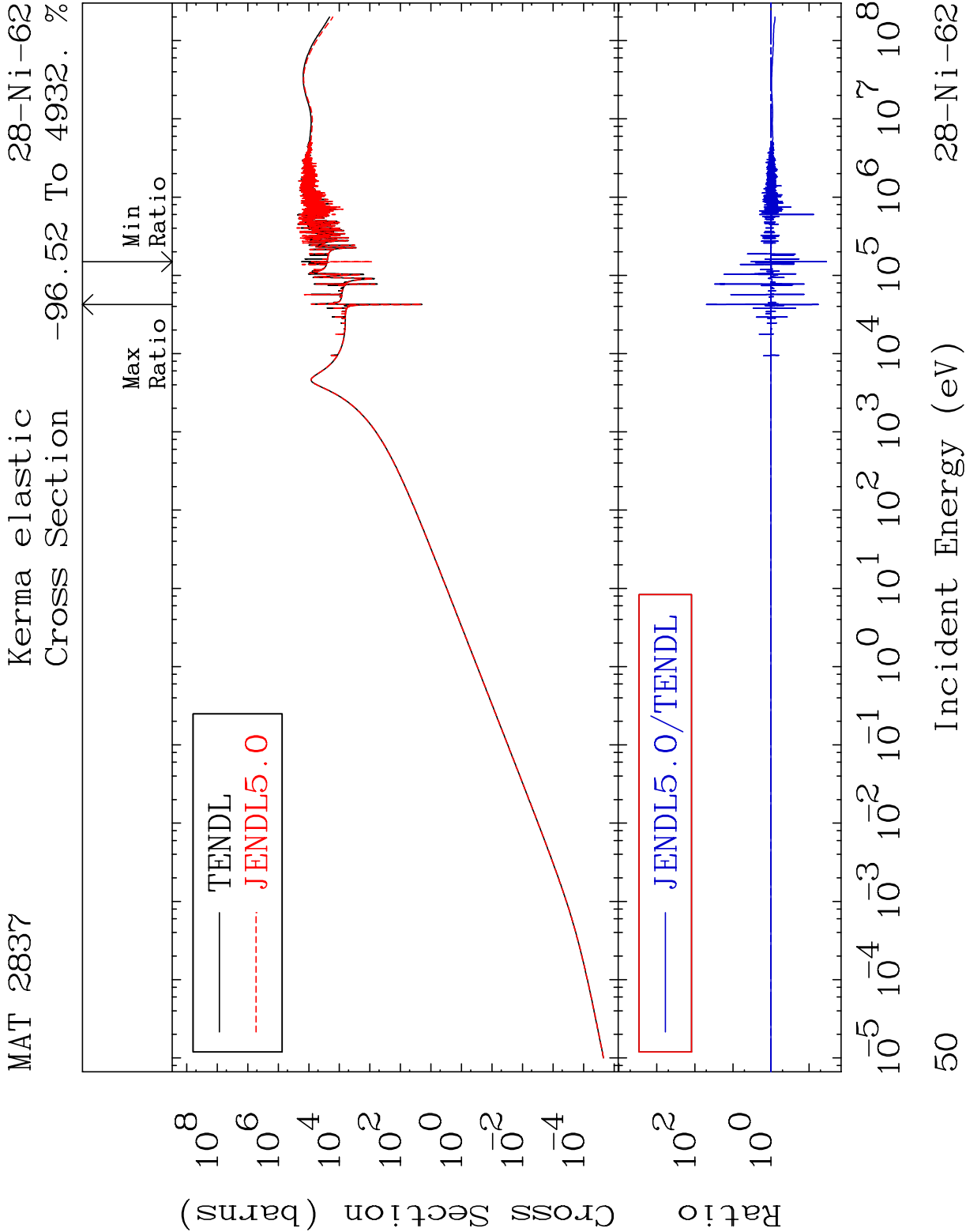




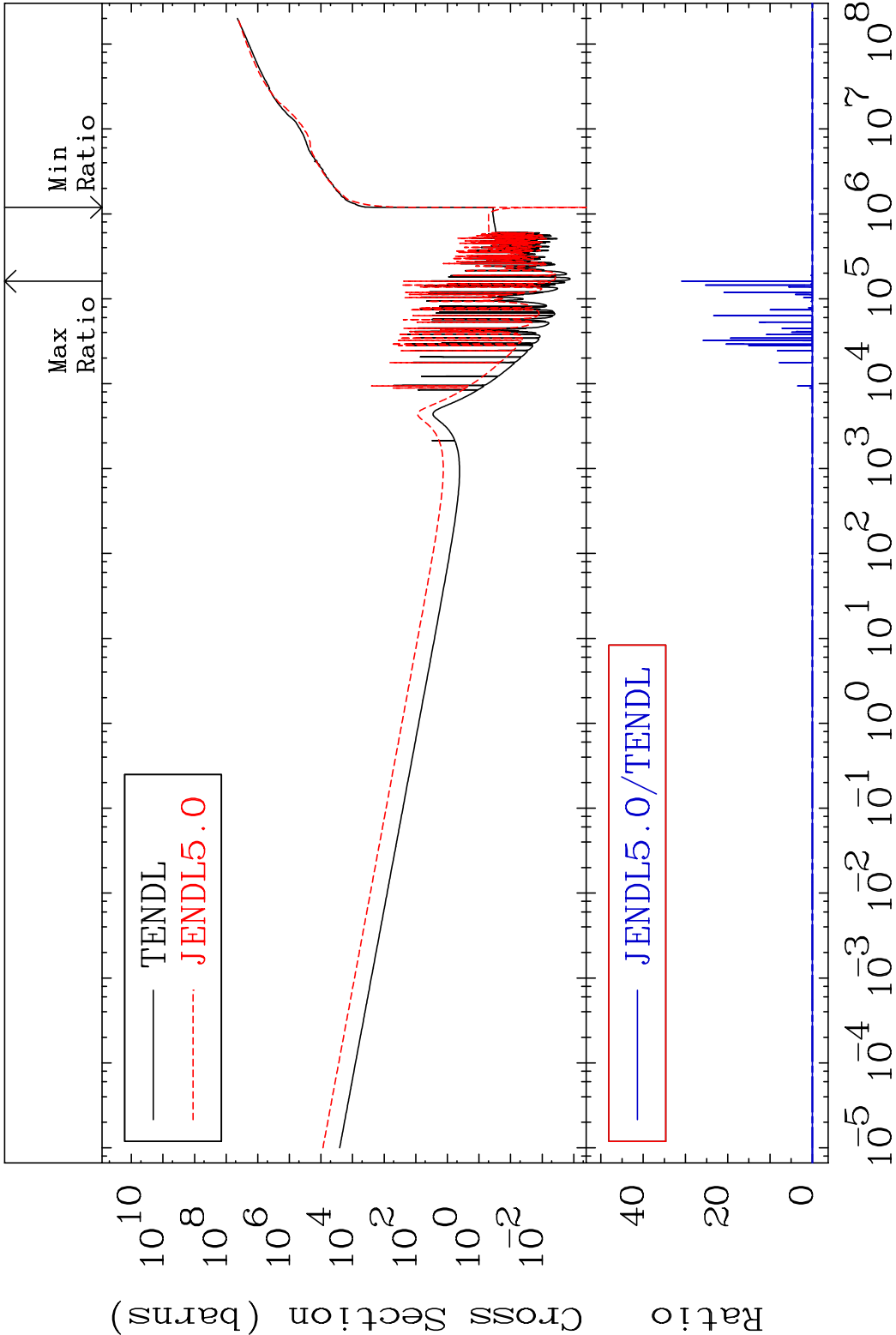




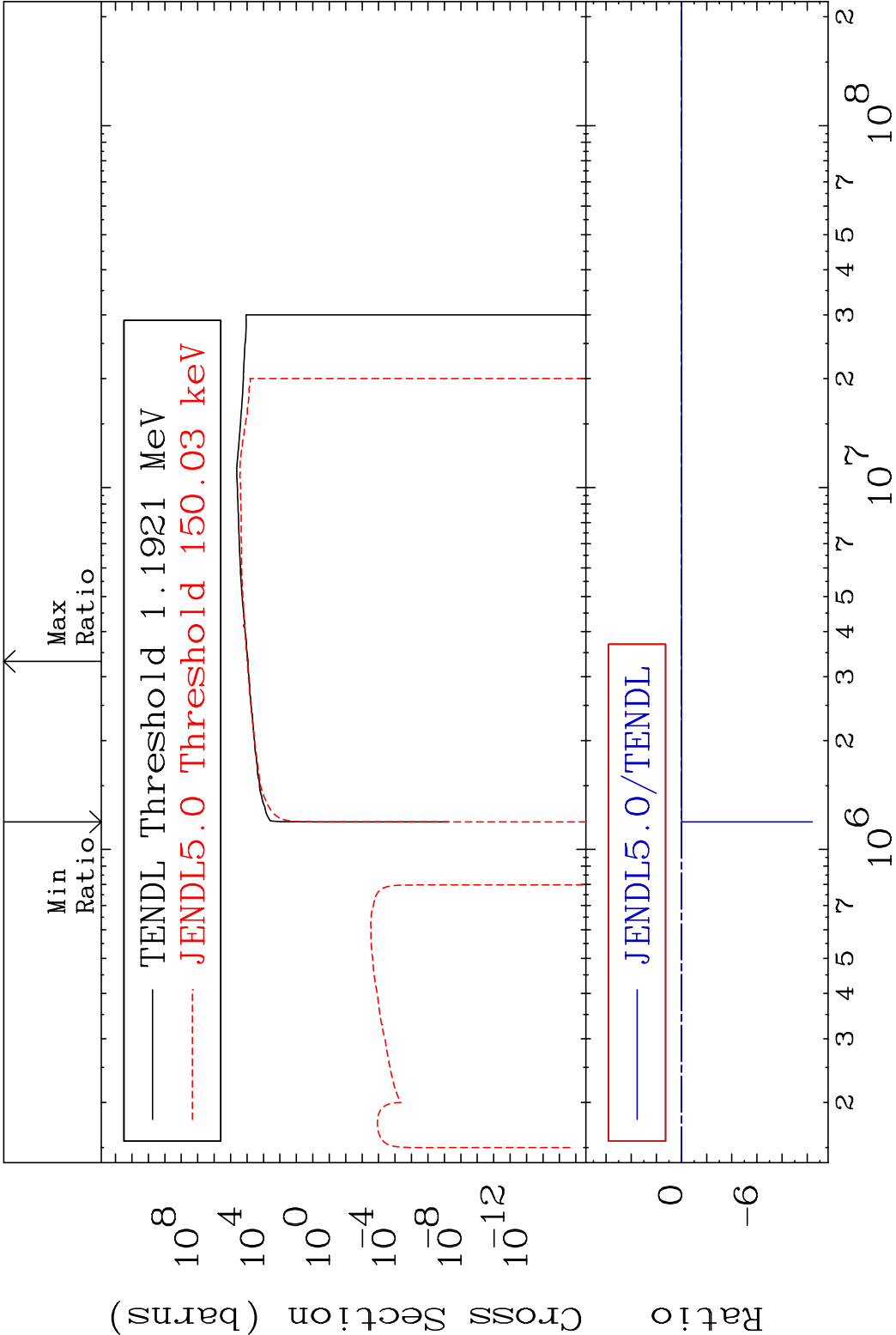




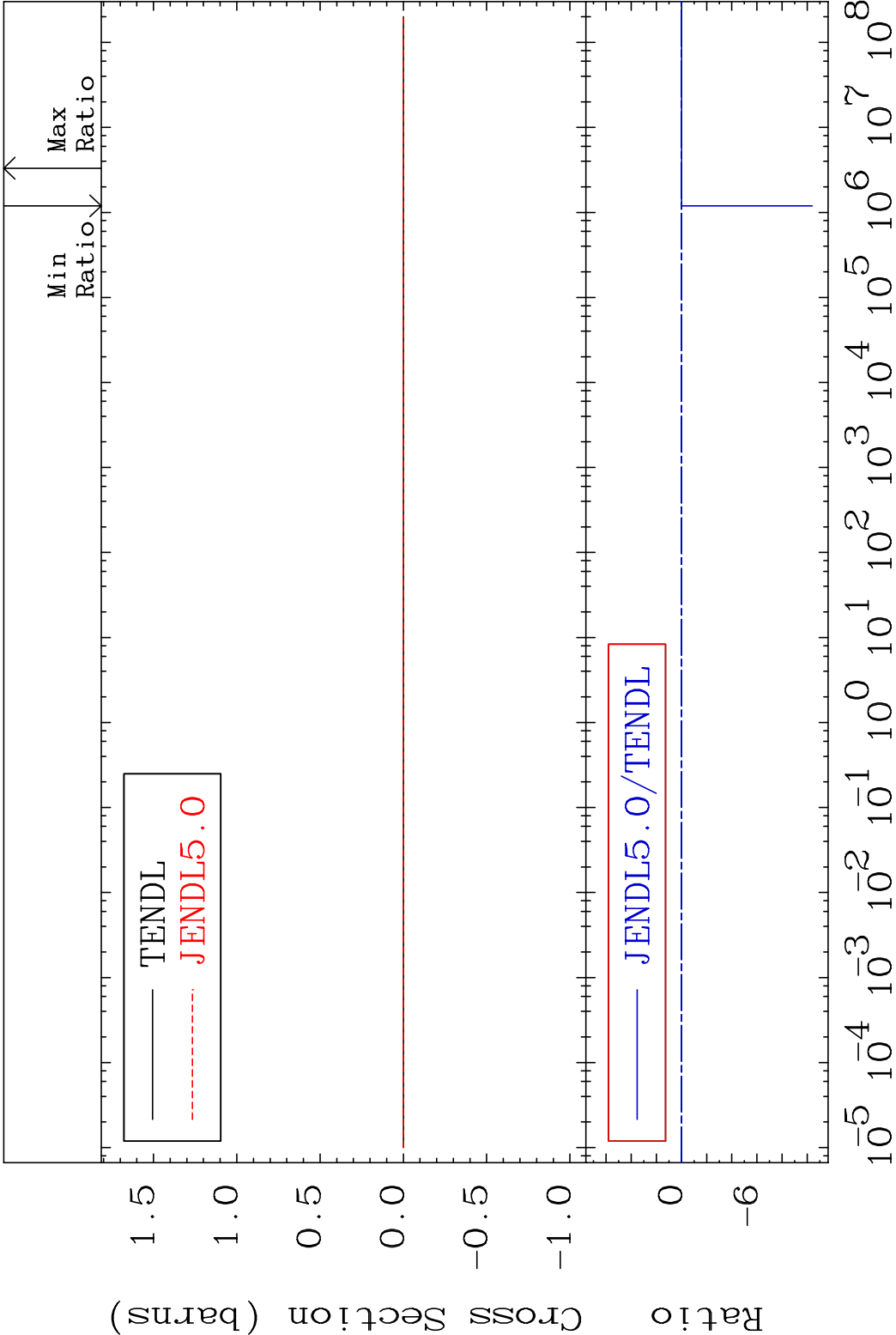
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62
Cross Section -100.2 To 9999. %

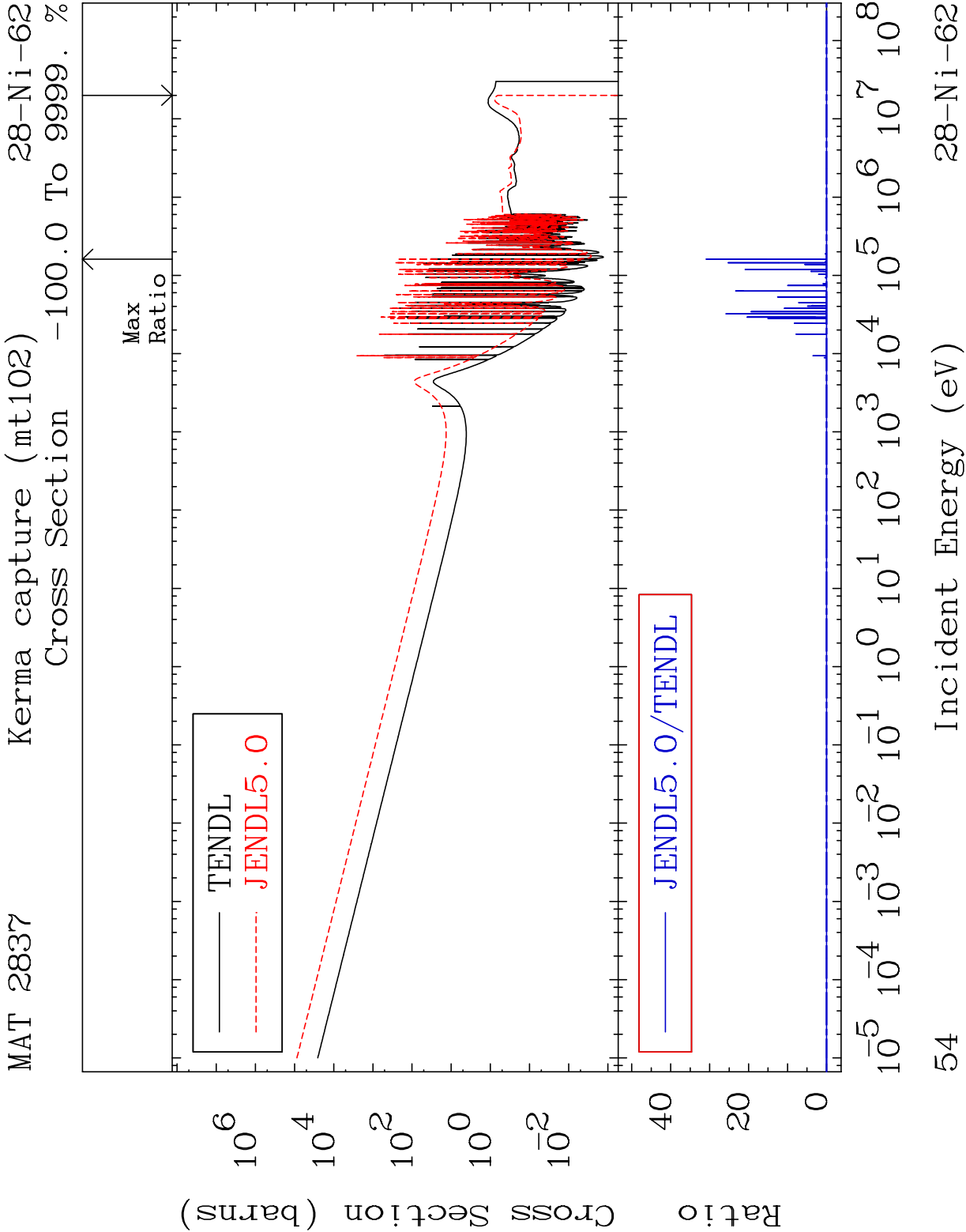


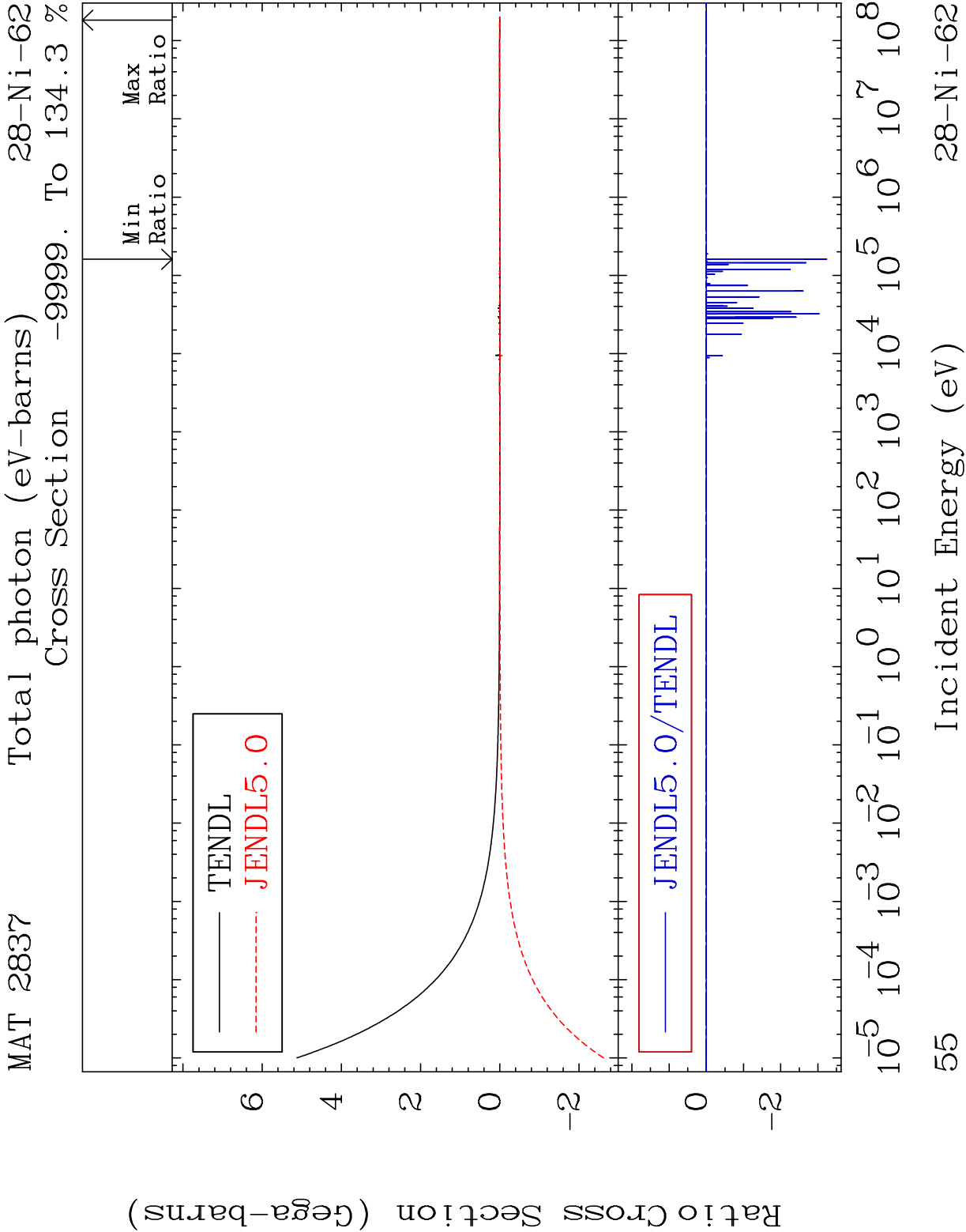
51 Incident Energy (eV) 28-Ni-62



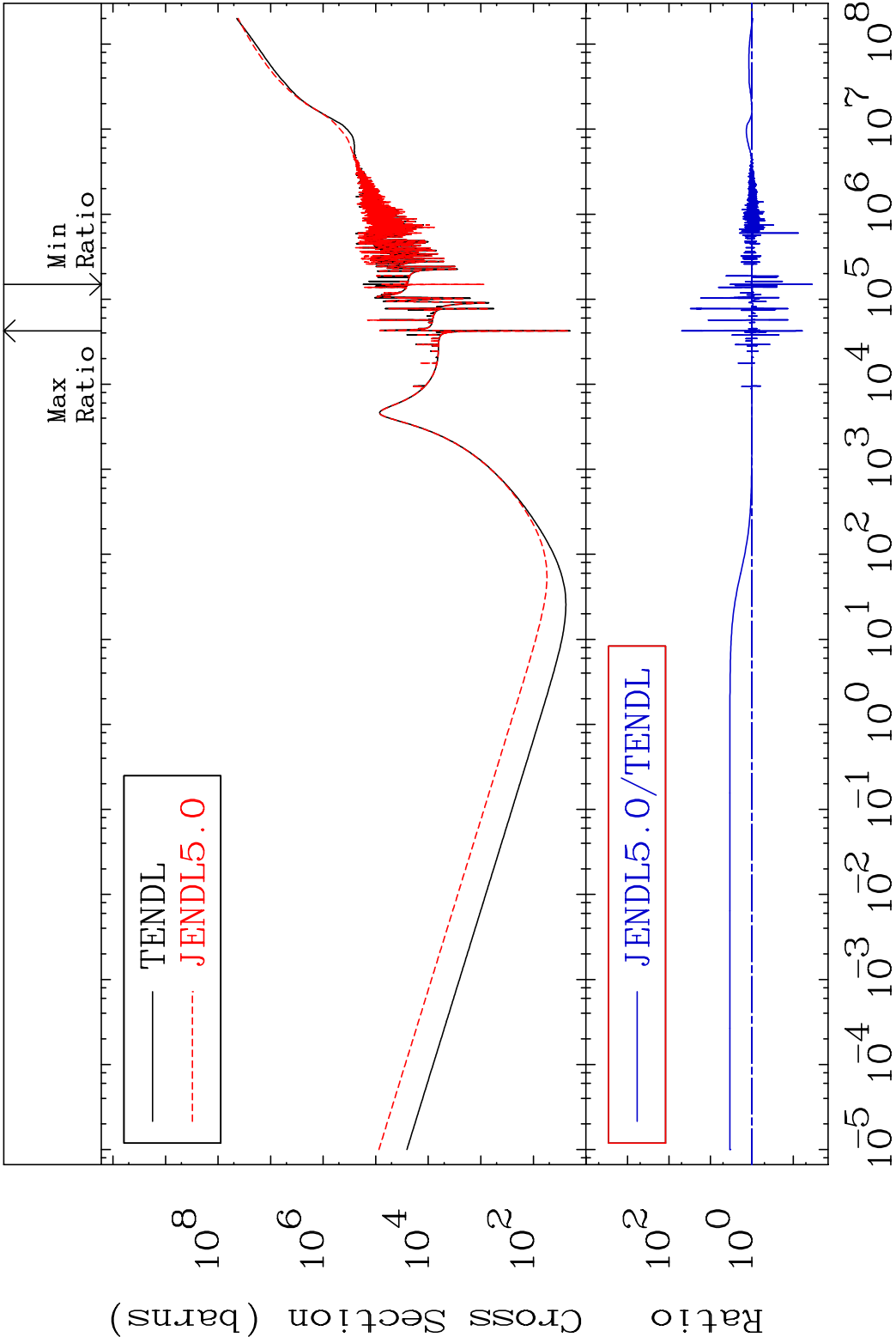
MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
Cross Section -9999. To 12.86 %



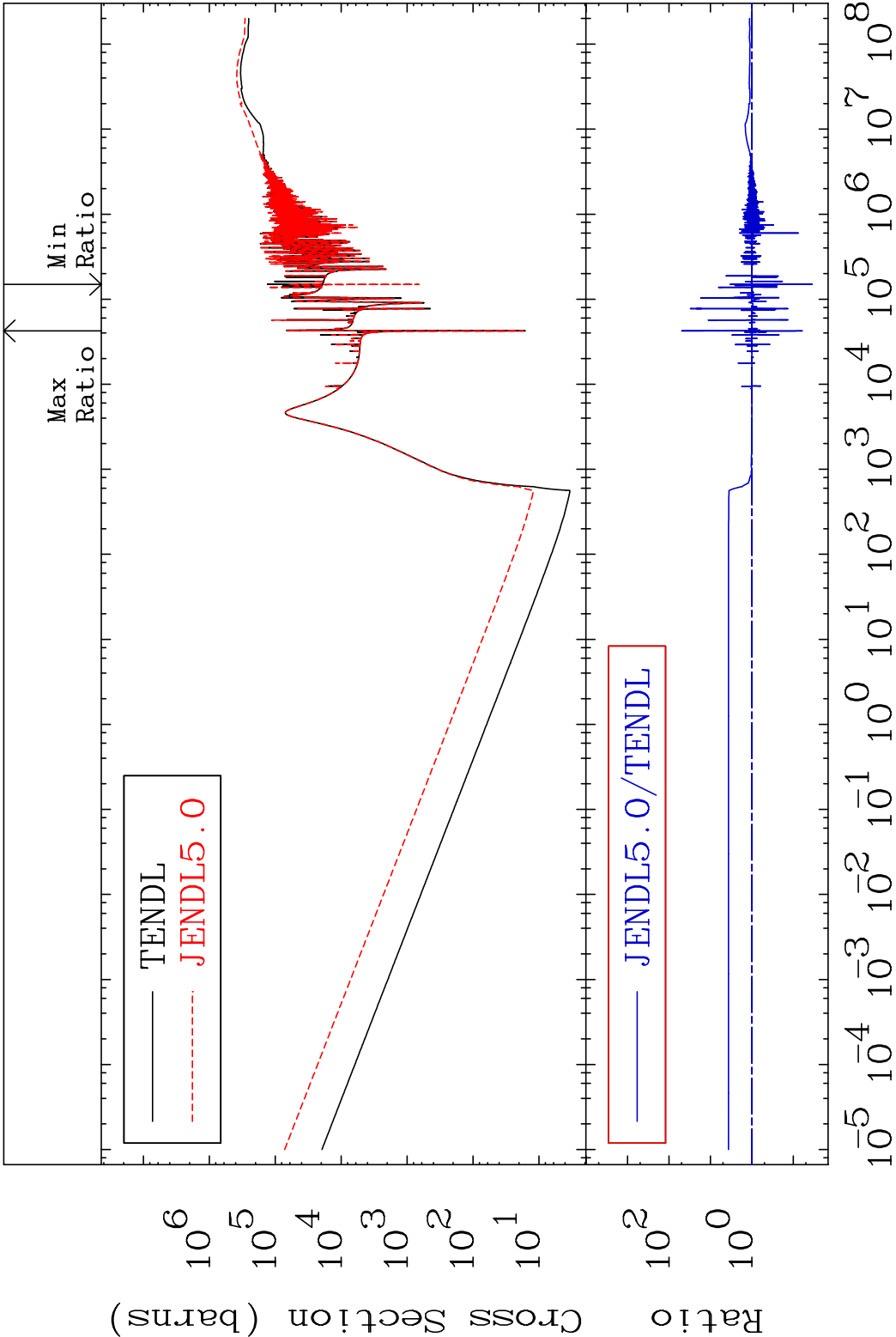




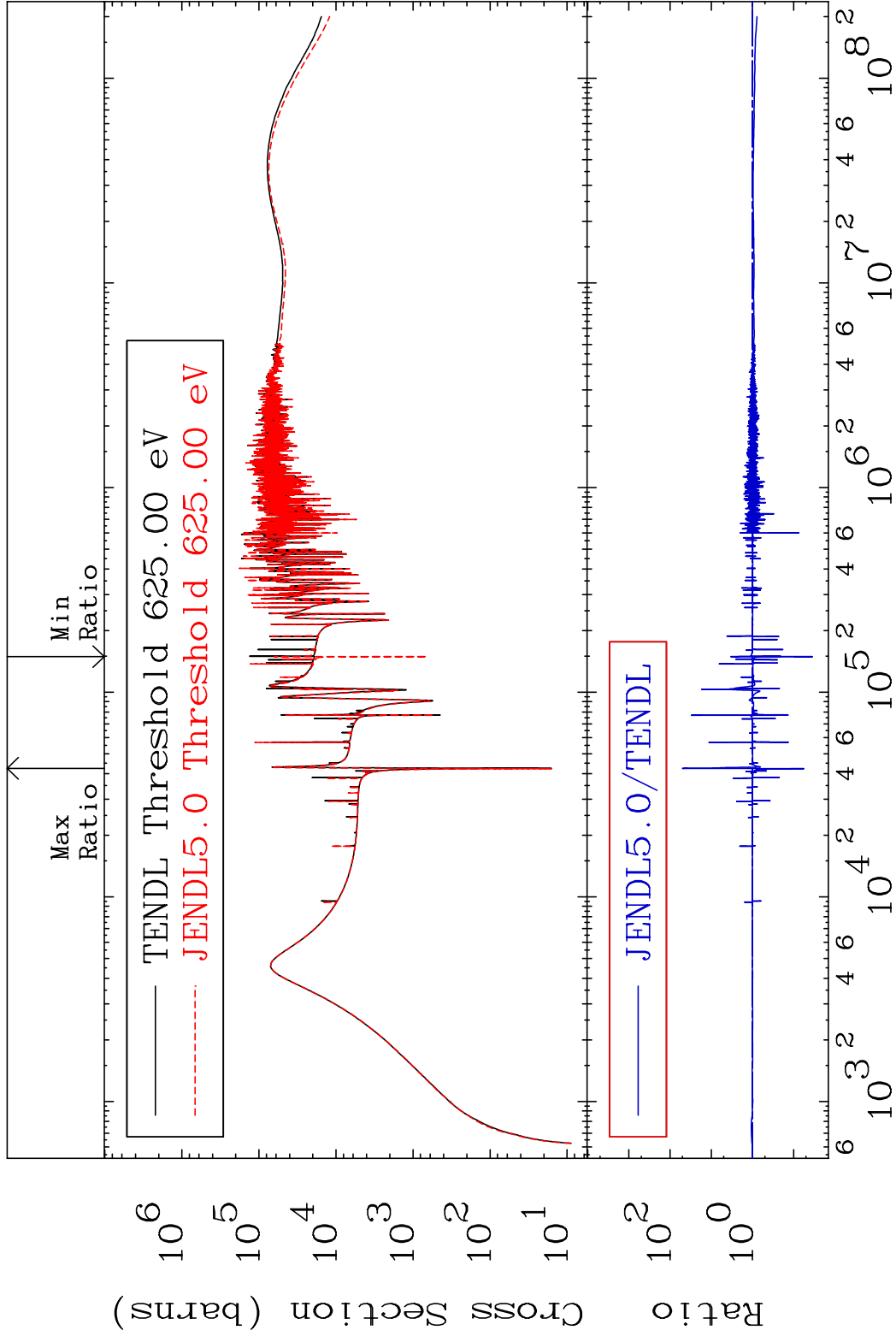
MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
Cross Section -96.51 To 4881. %

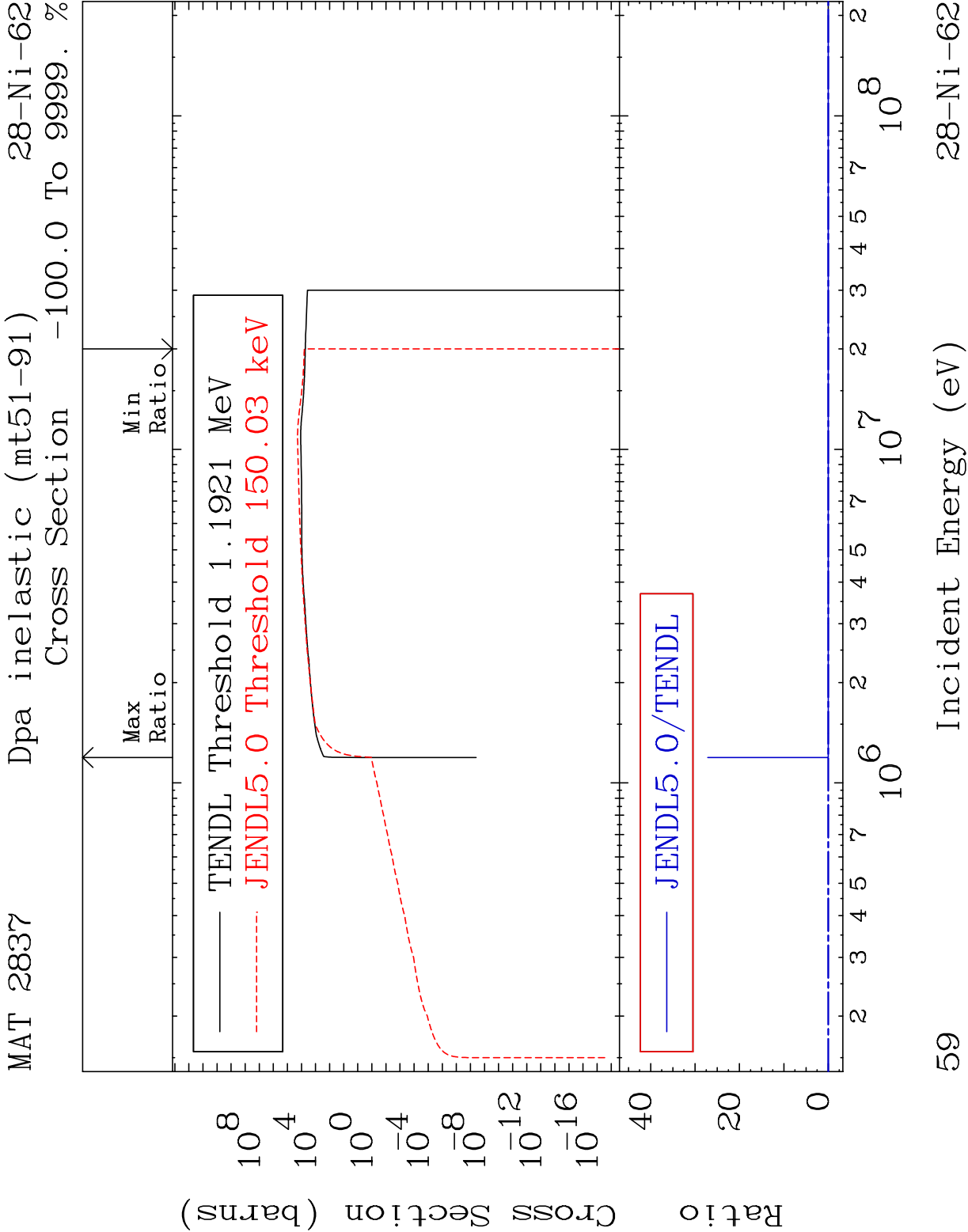


MAT 2837 Dpa total (eV-barns) 28-Ni-62
Cross Section -96.51 To 4884. %



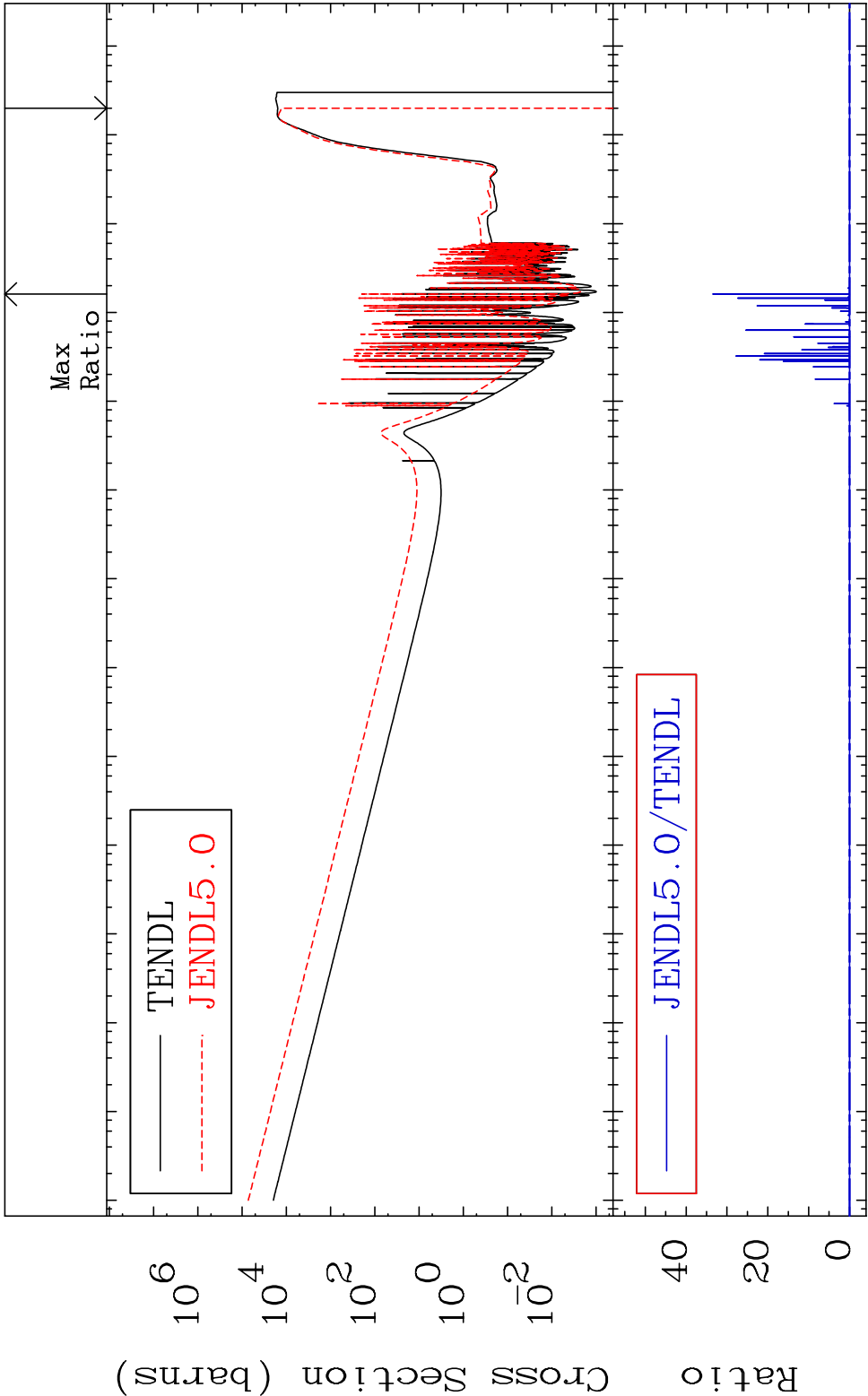
MAT 2837 Dpa elastic (mt2) 28-Ni-62
Cross Section -96.52 To 4932. %





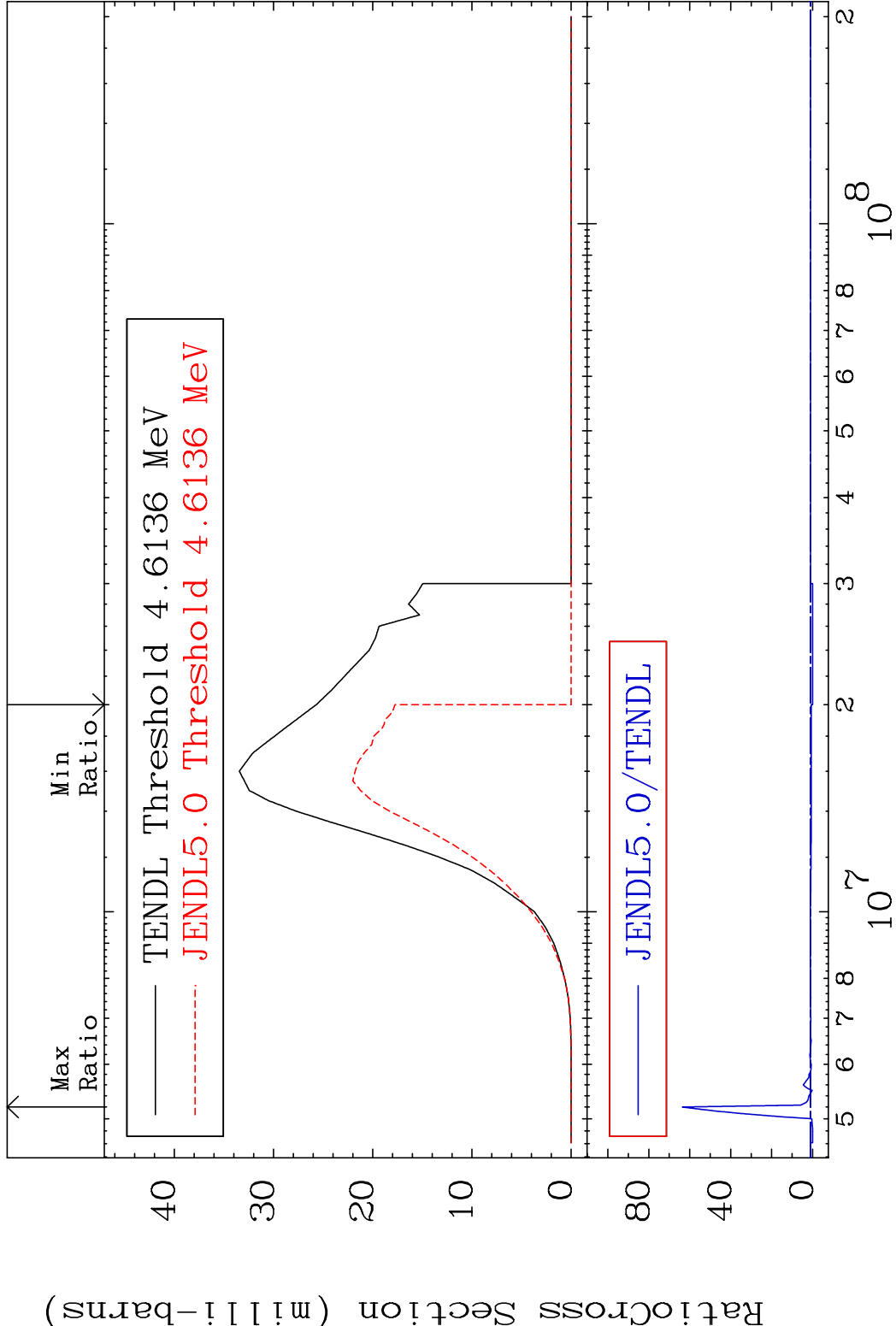
MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62

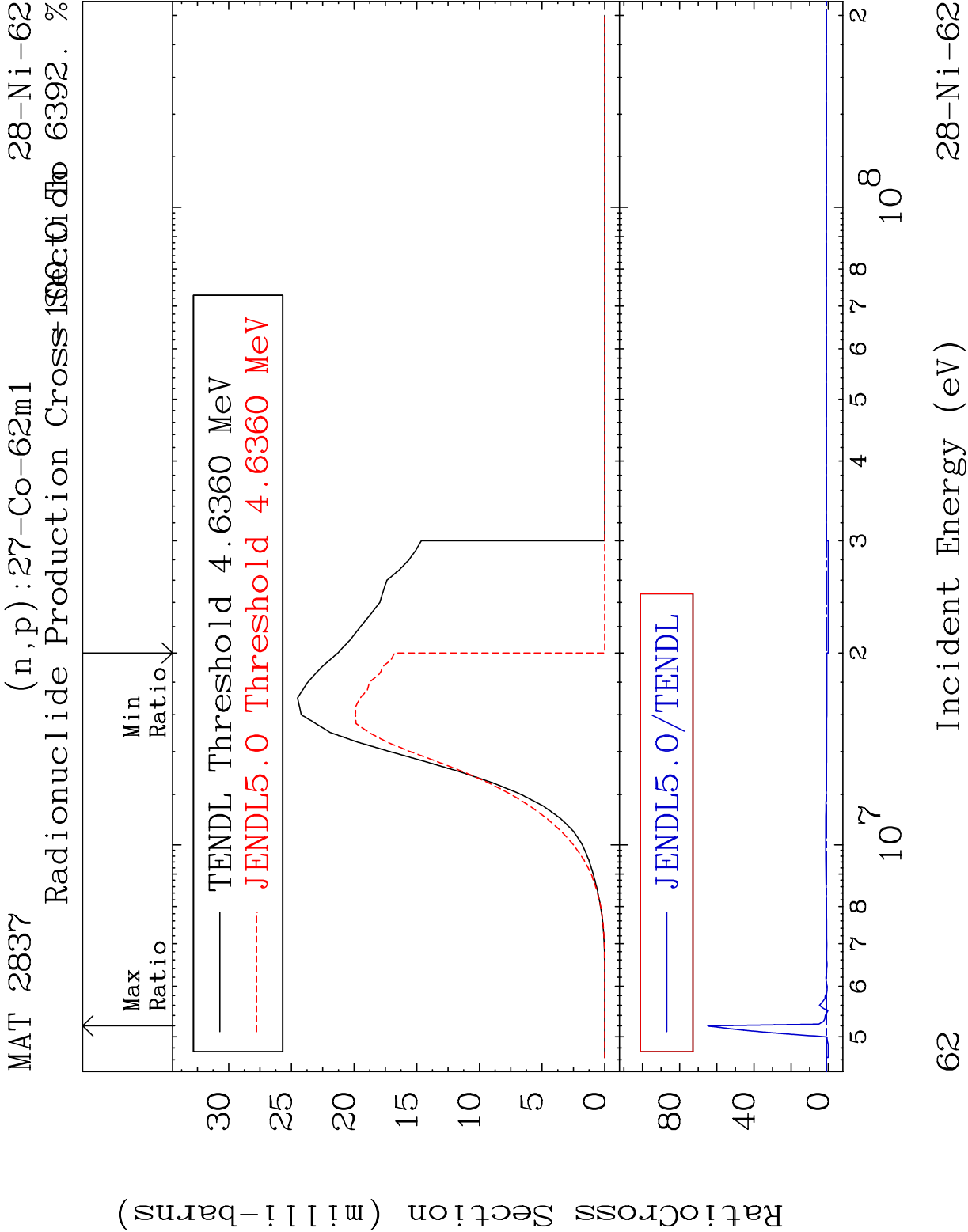
Cross Section -100.0 To 9999. %

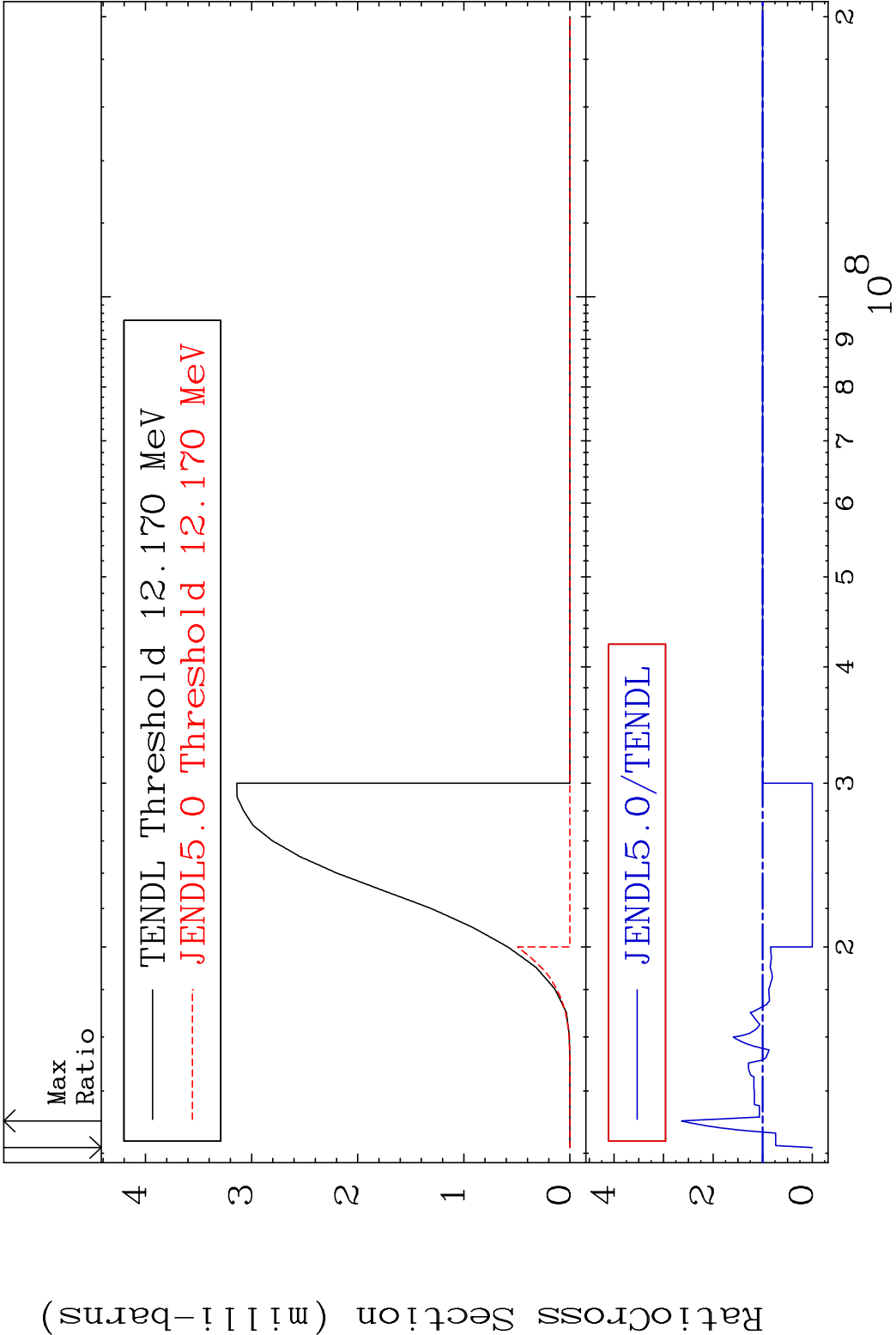


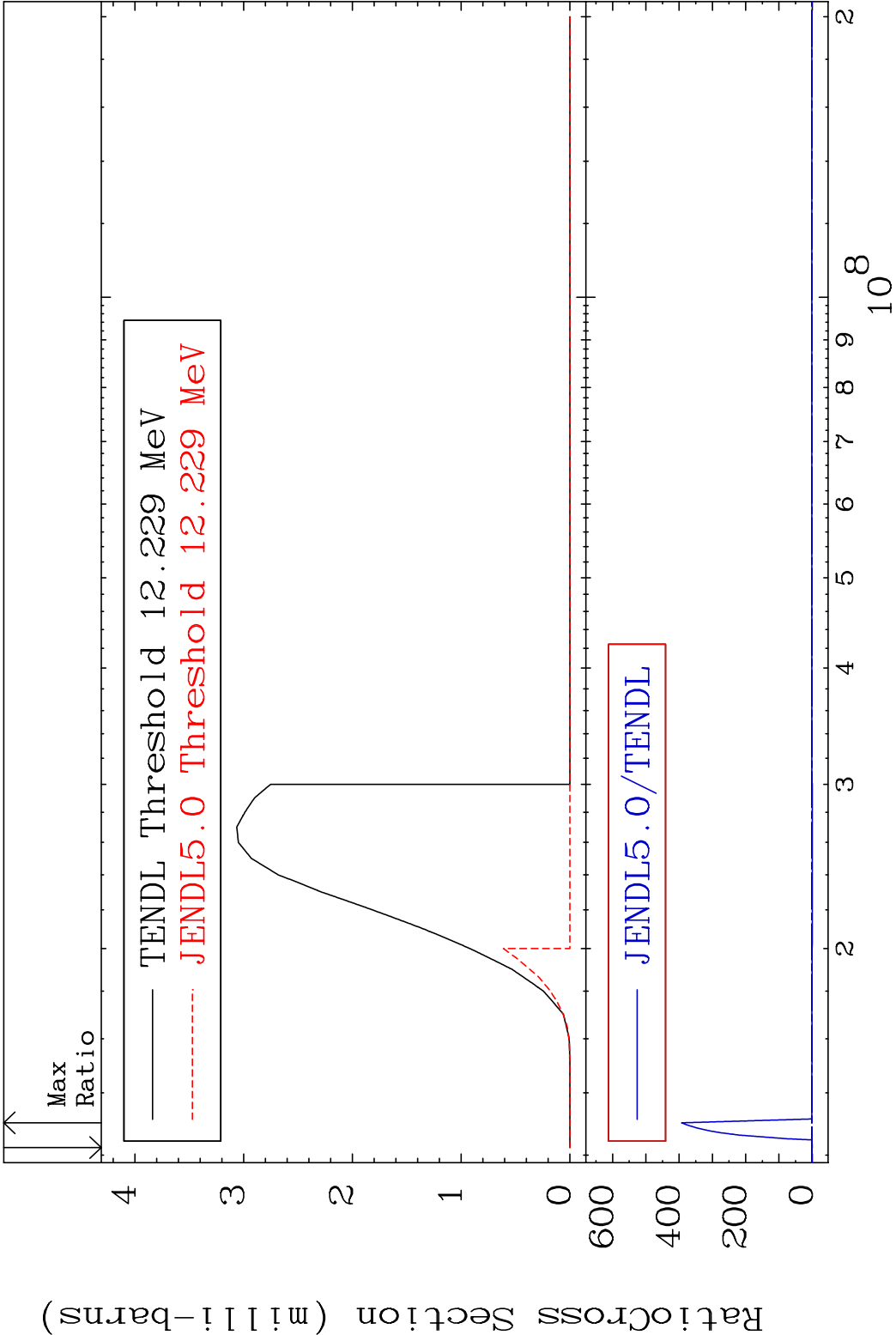
60 Incident Energy (eV) 28-Ni-62

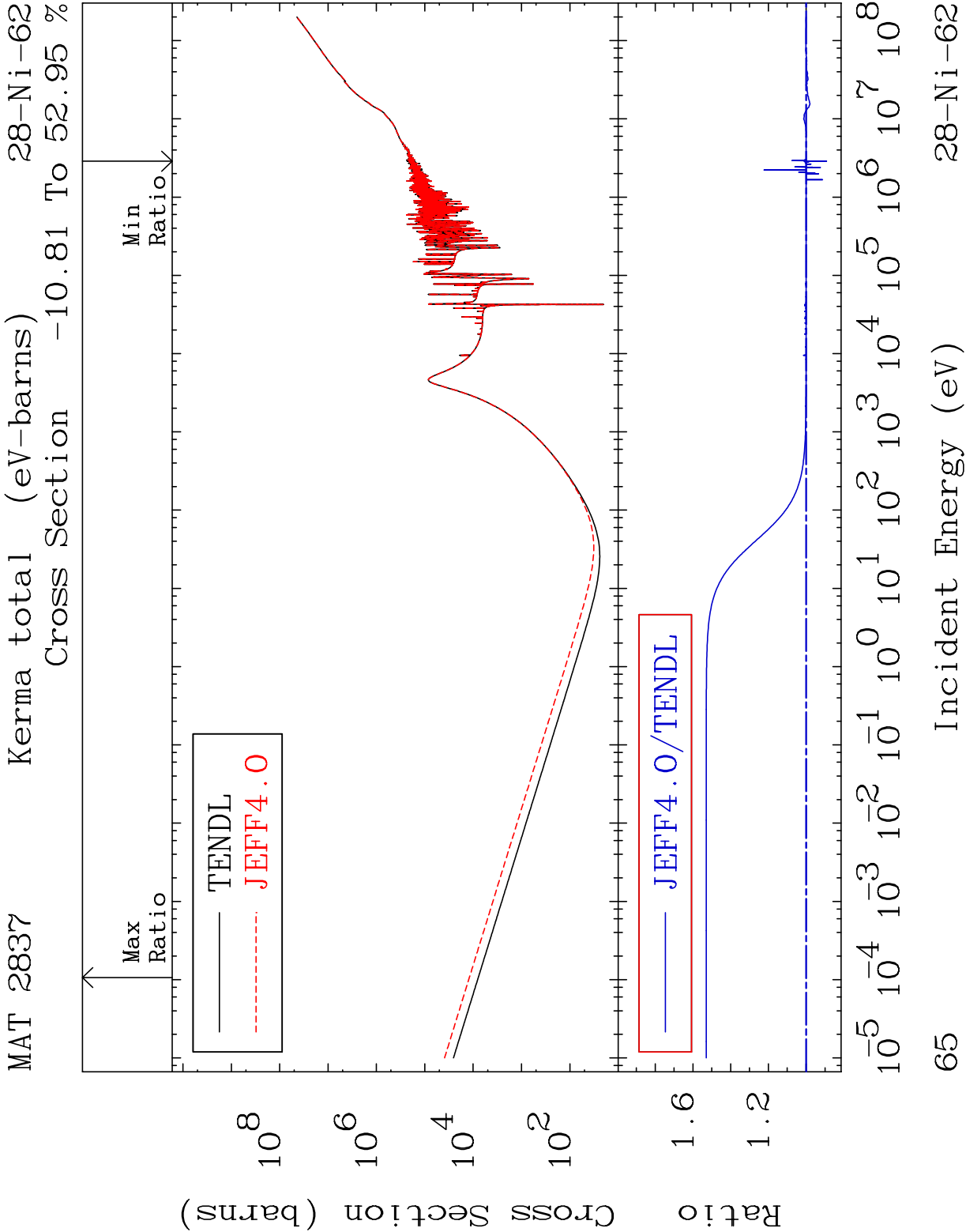
Radionuclide Production Cross Section (mb)



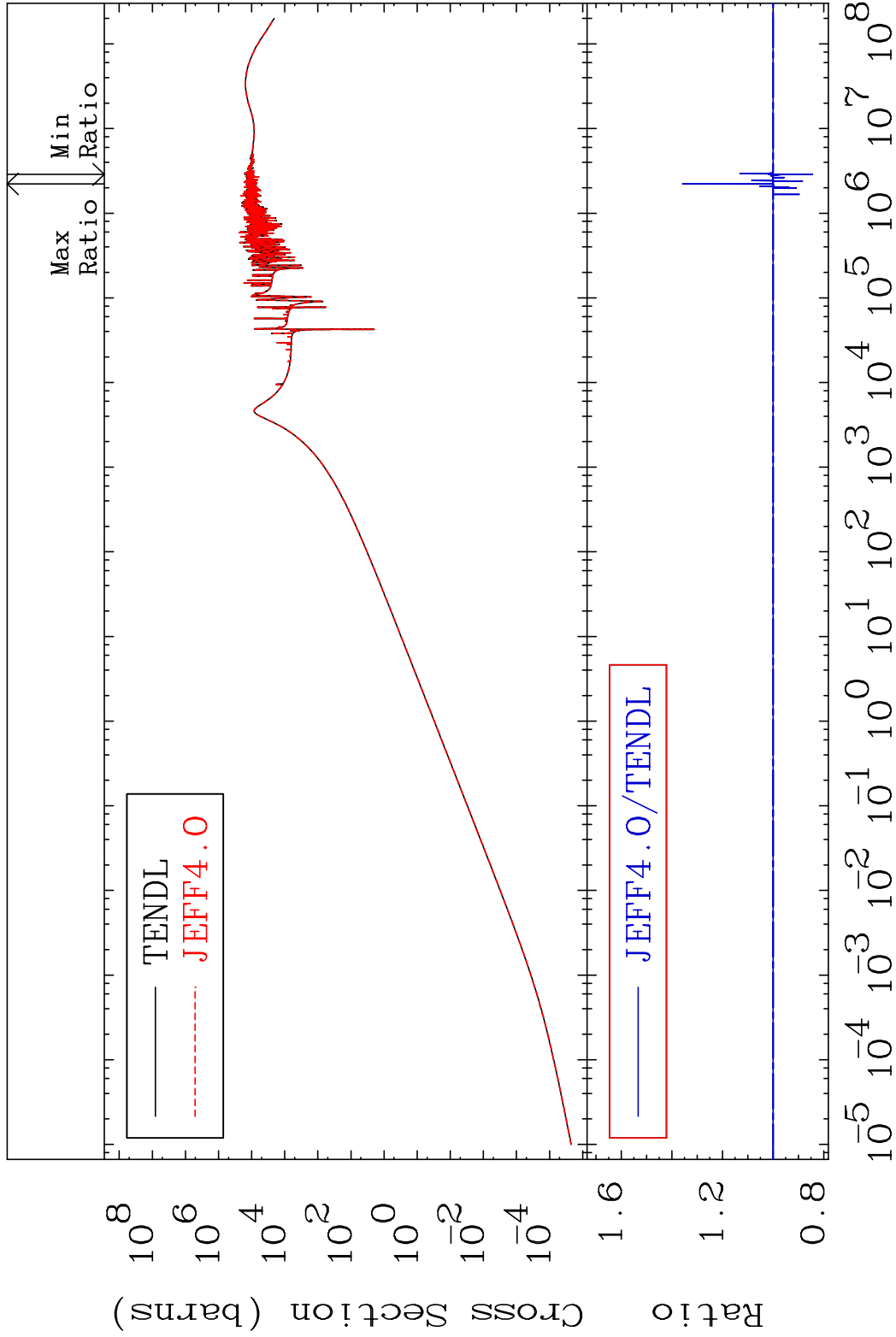






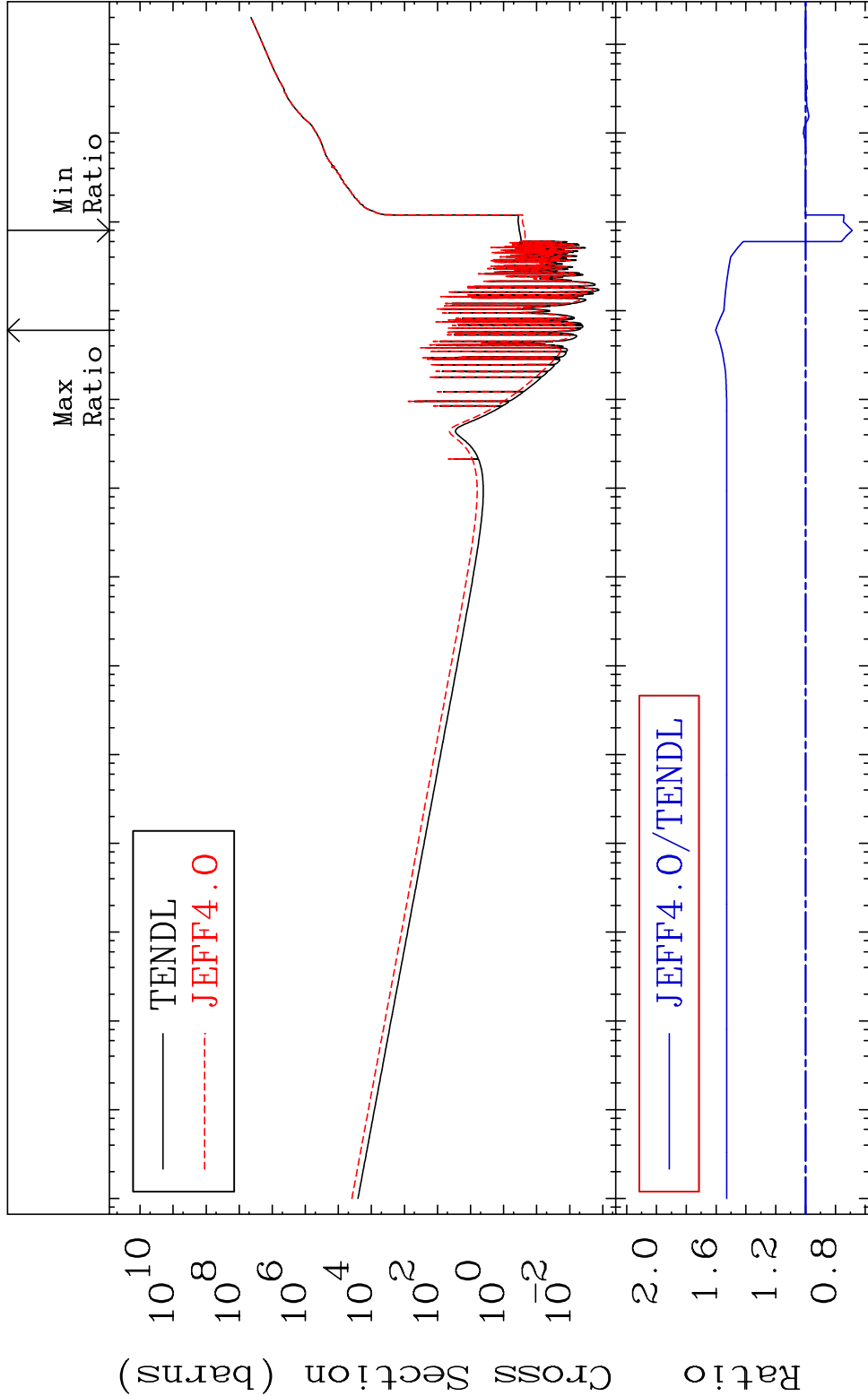


MAT 2837 Kerma elastic 28-Ni-62
Cross Section -15.60 To 35.86 %



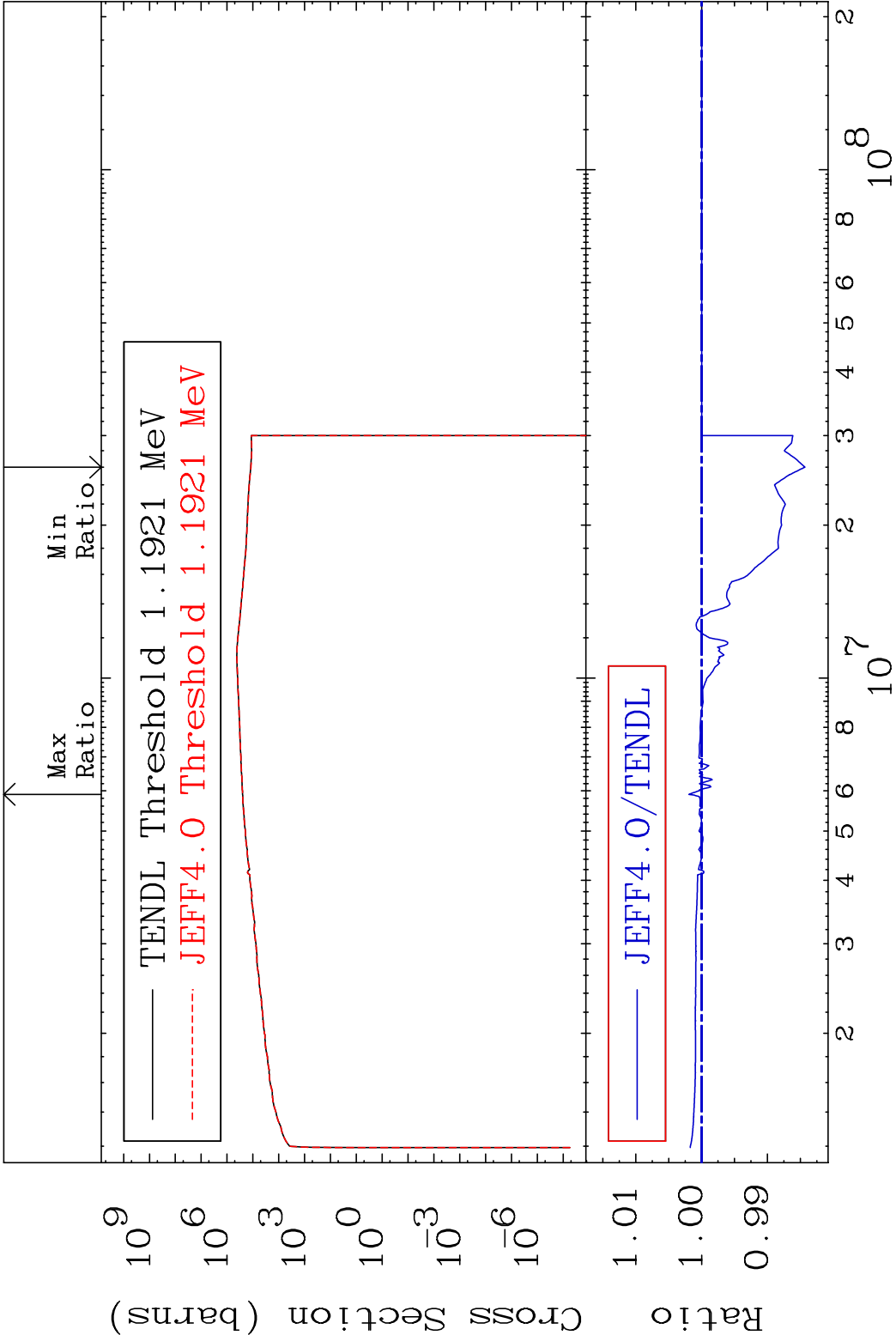
MAT 2837 Kerma non-elastic (all but mt2) 28-Ni-62

Cross Section -31.27 To 60.30 %

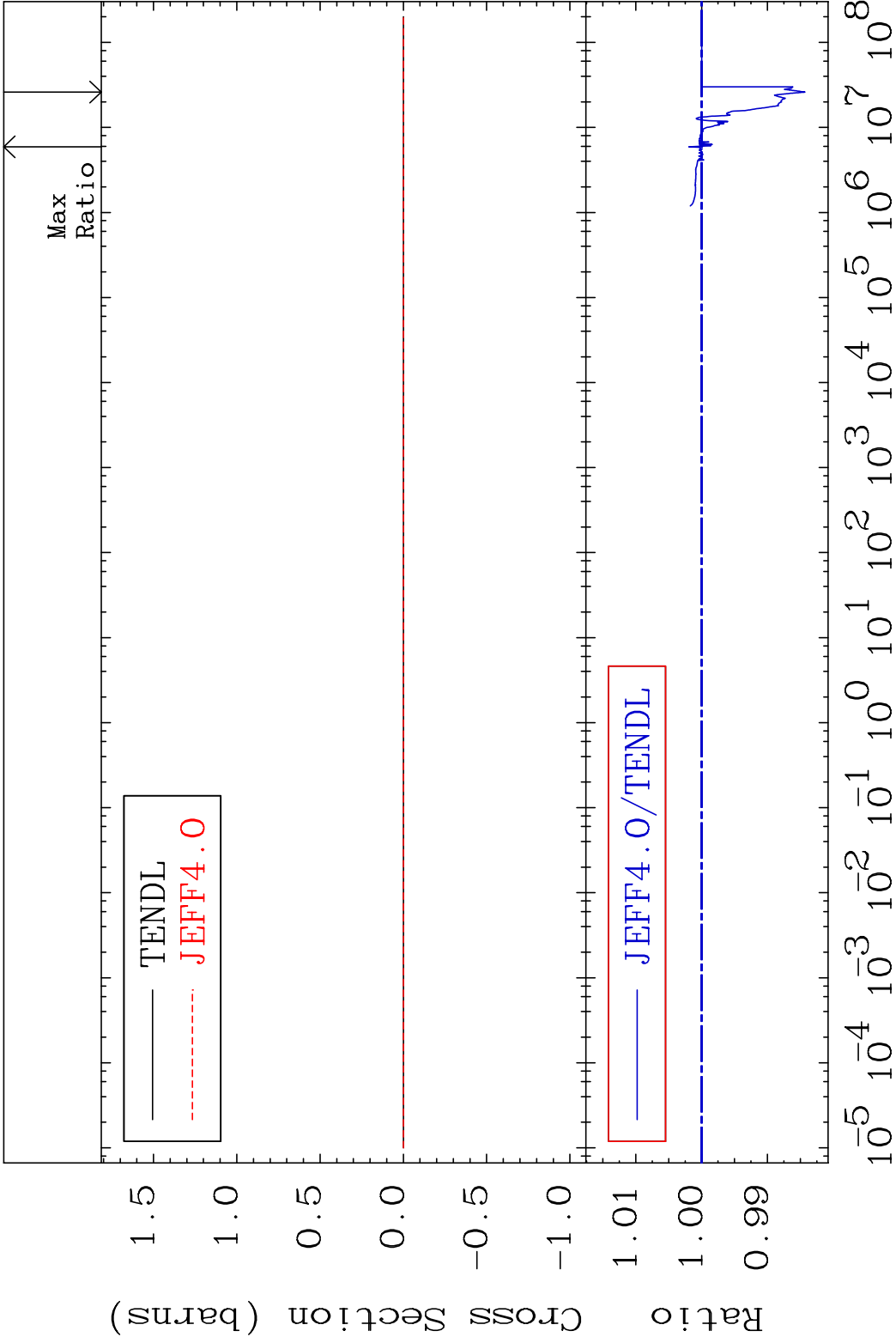


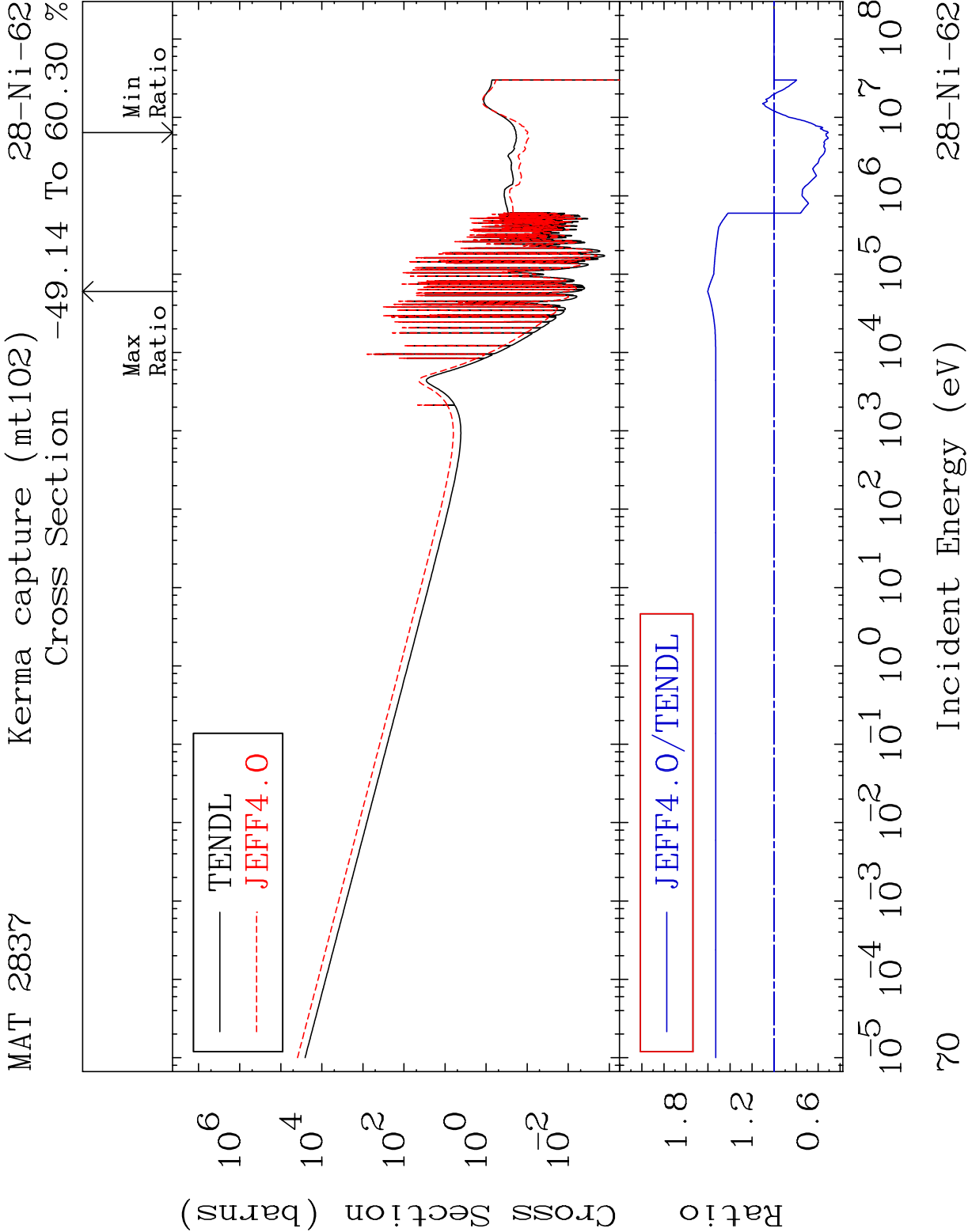
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

67 Incident Energy (eV) 28-Ni-62

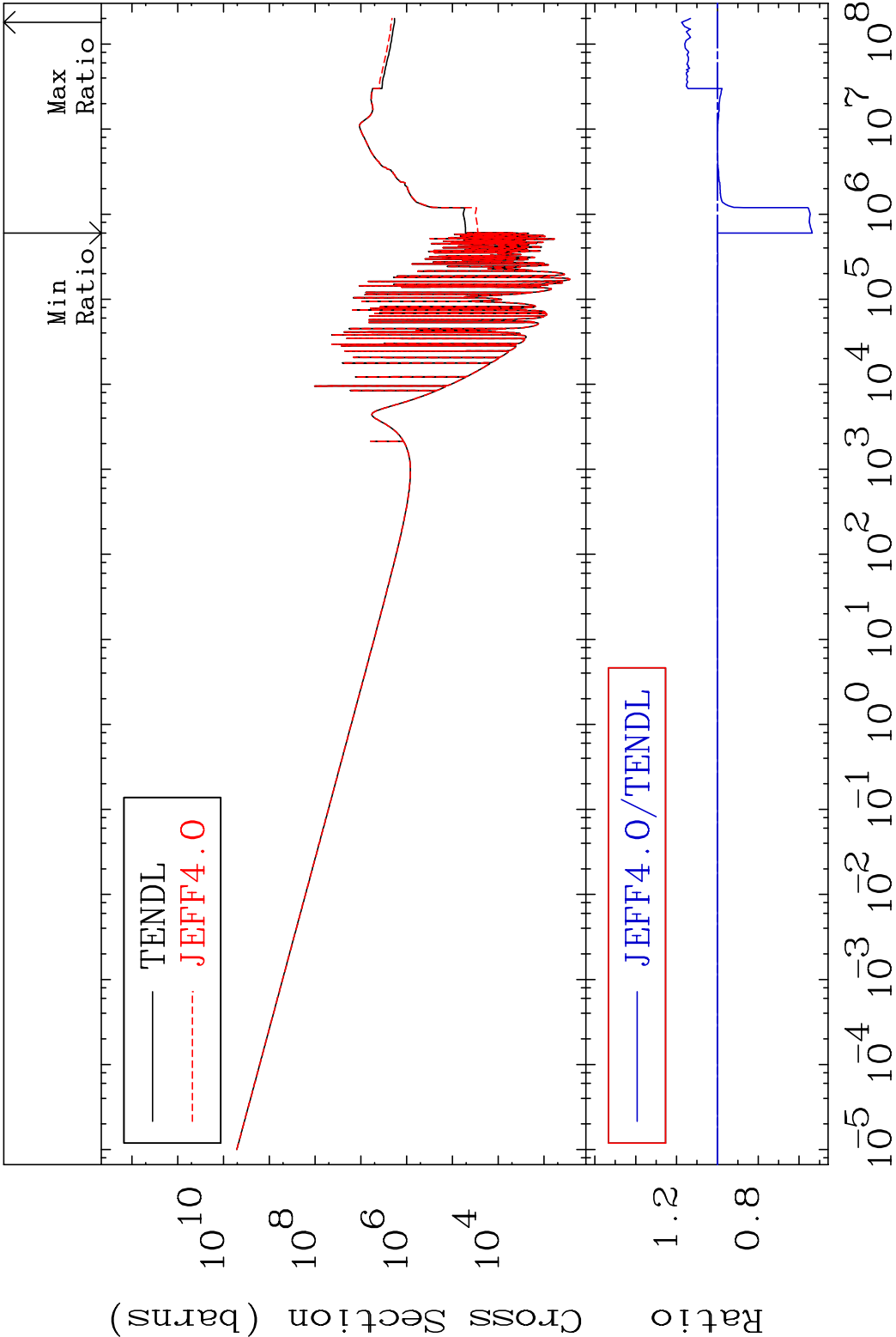


MAT 2837 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-62
Cross Section -1.570 To 0.194 %



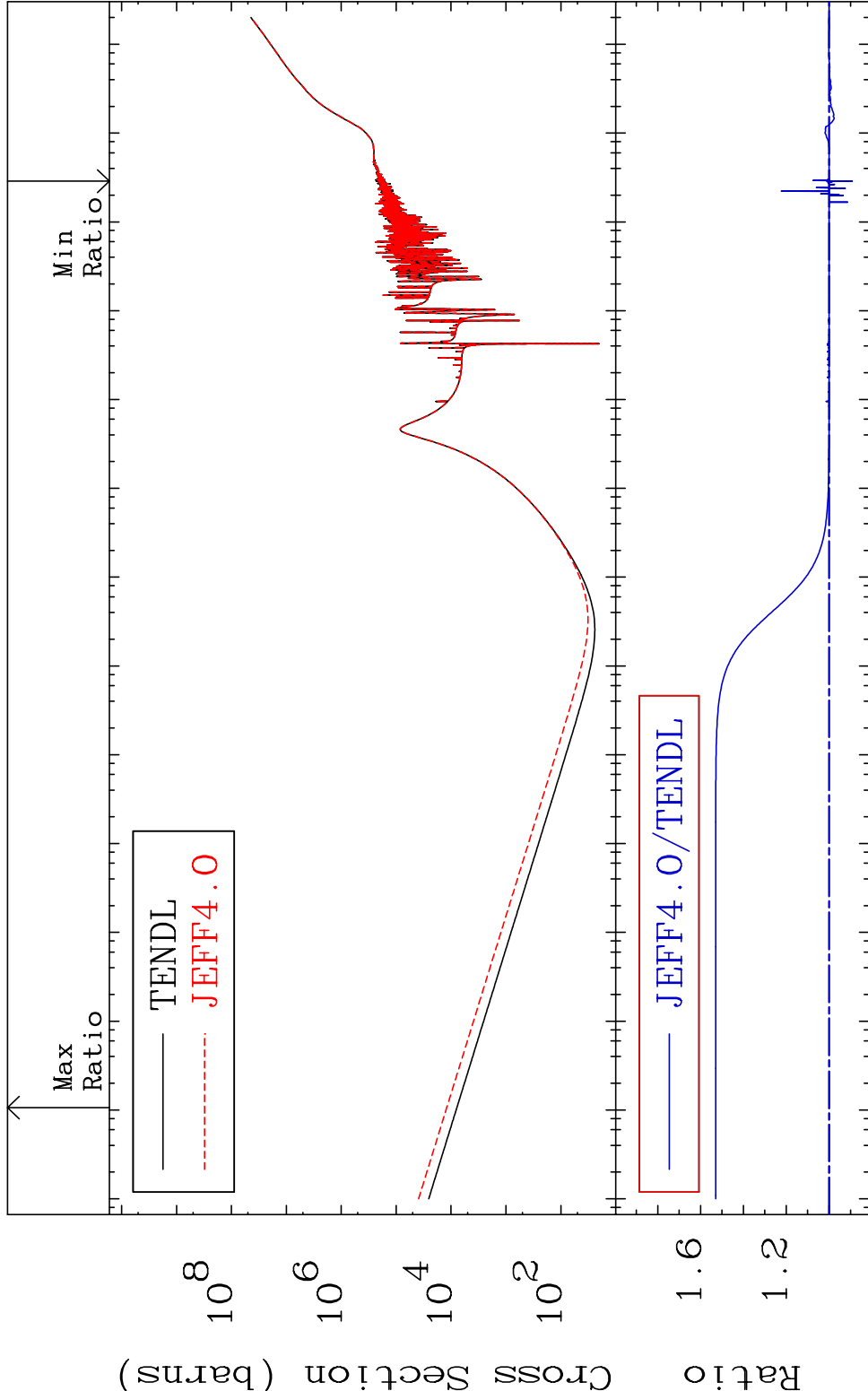


MAT 2837 Total photon (eV-barns) 28-Ni-62
Cross Section -46.42 To 17.56 %



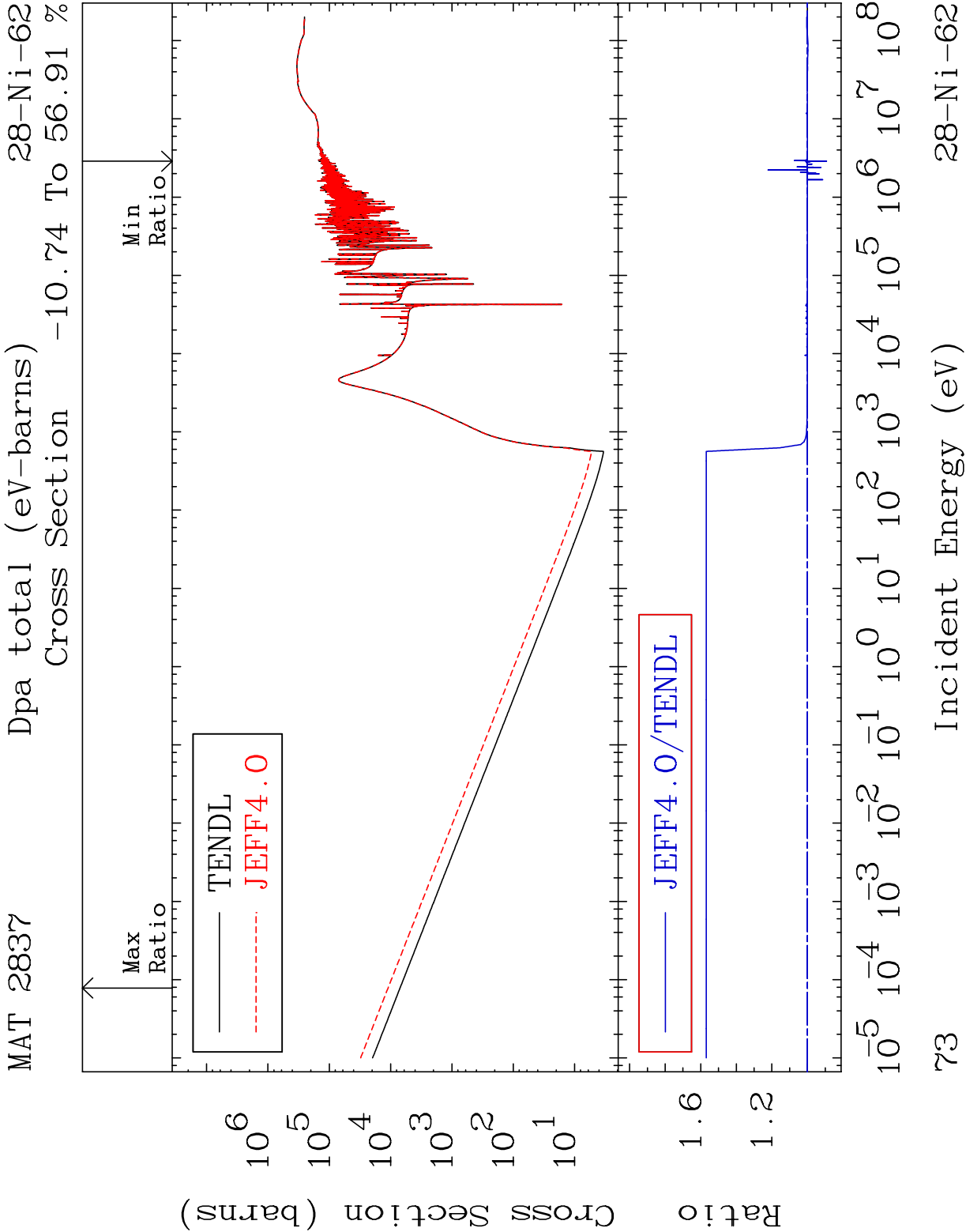
71 Incident Energy (eV) 28-Ni-62

MAT 2837 Total kinematic kerma (high limit) 28-Ni-62
Cross Section -10.81 To 52.95 %

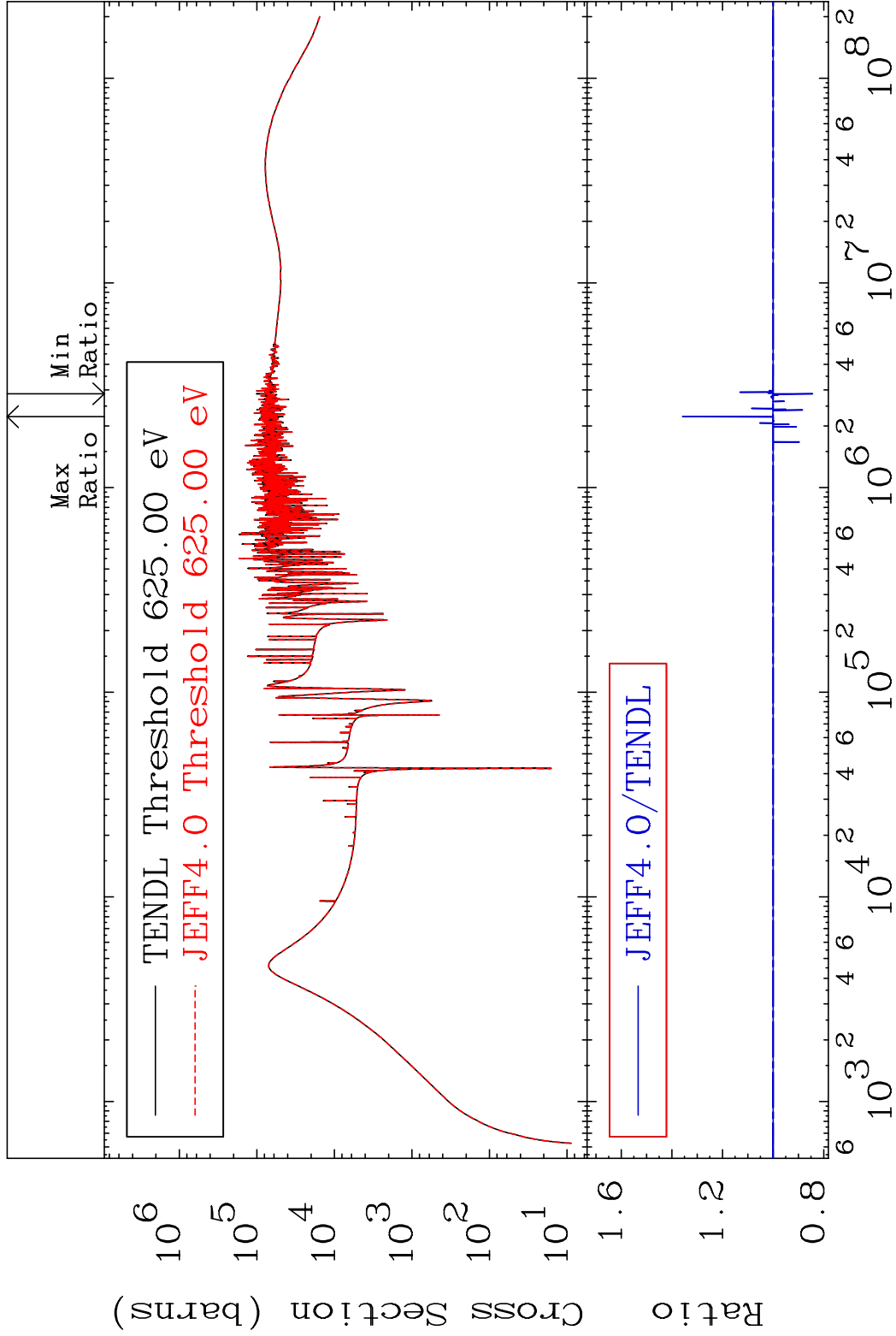


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

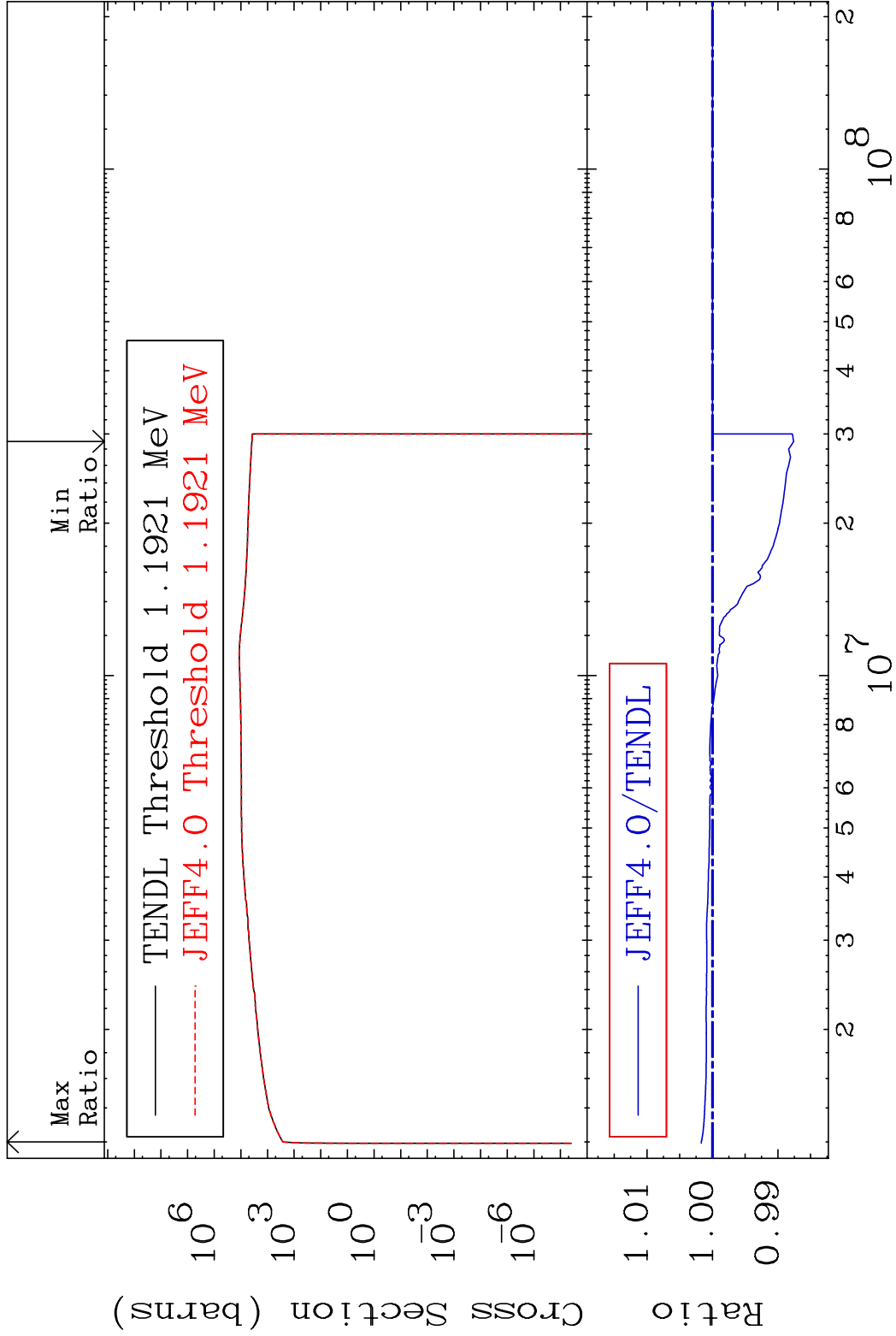
72 Incident Energy (eV) 28-Ni-62



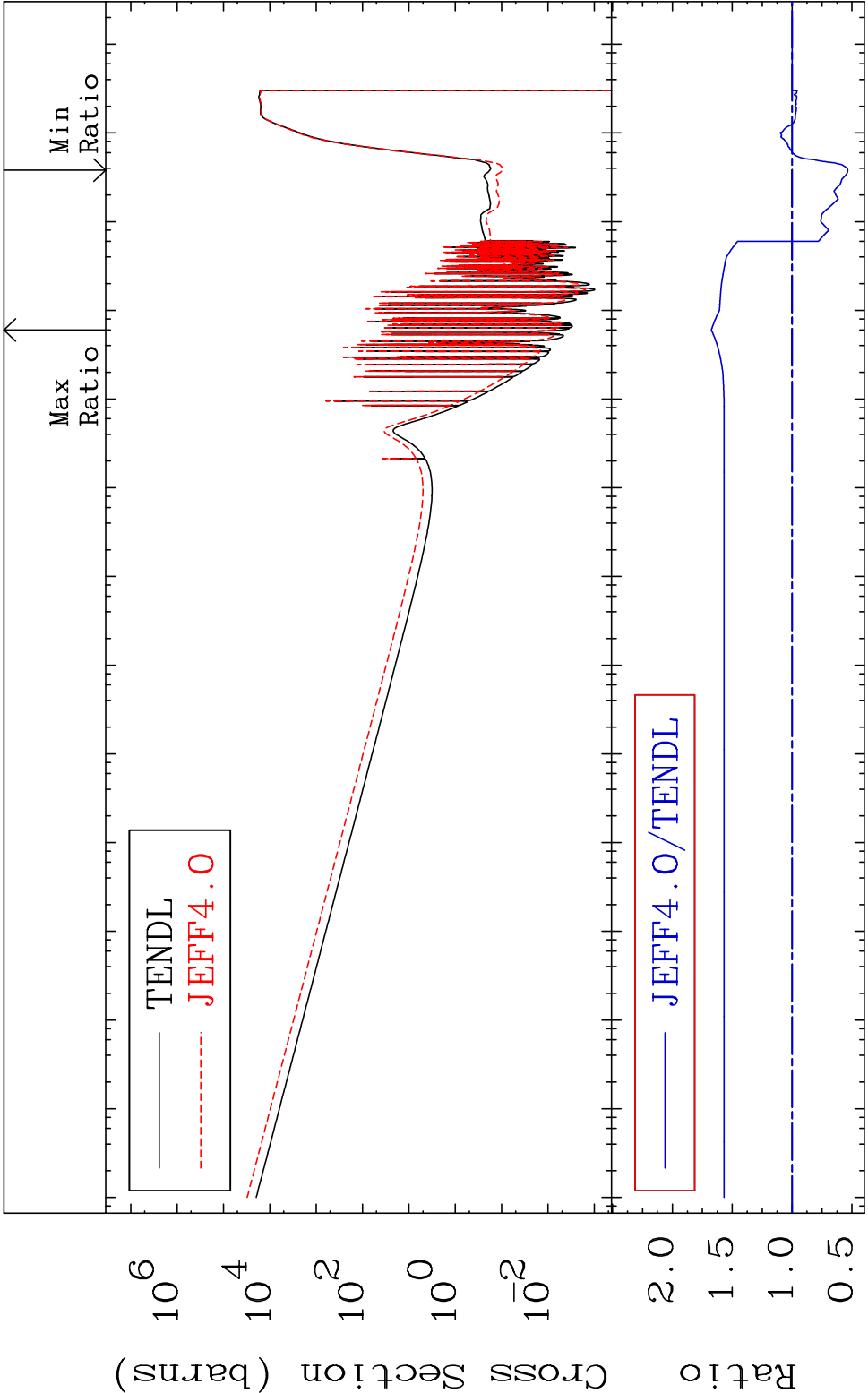
MAT 2837 Dpa elastic (mt2) 28-Ni-62
Cross Section -15.60 To 35.86 %



74 Incident Energy (eV) 28-Ni-62



MAT 2837 Dpa disappearance (mt102 -120) 28-Ni-62
Cross Section -46.49 To 67.47 %



76 Incident Energy (eV) 28-Ni-62

