

Program Complot
(Version 2021-1)

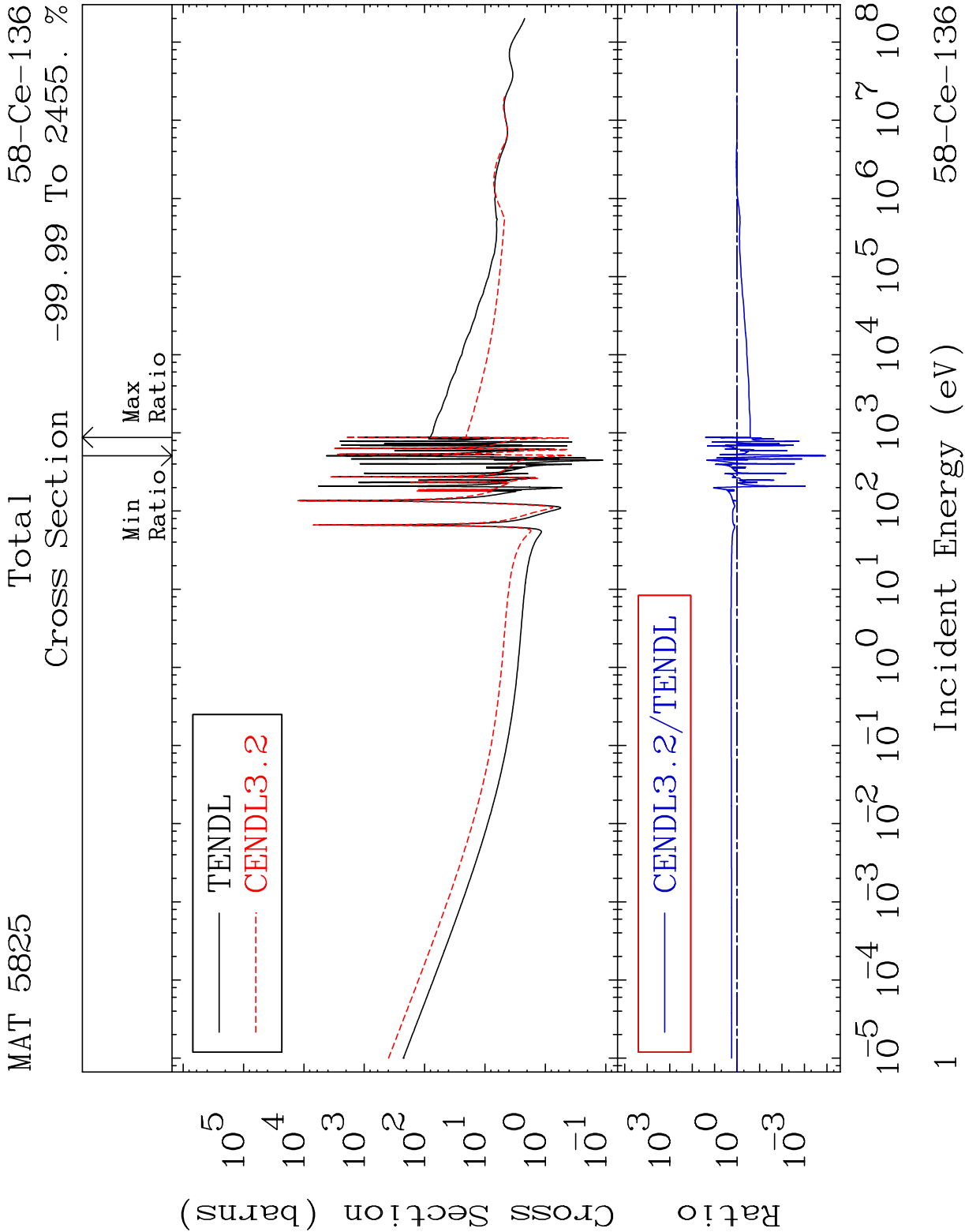
by

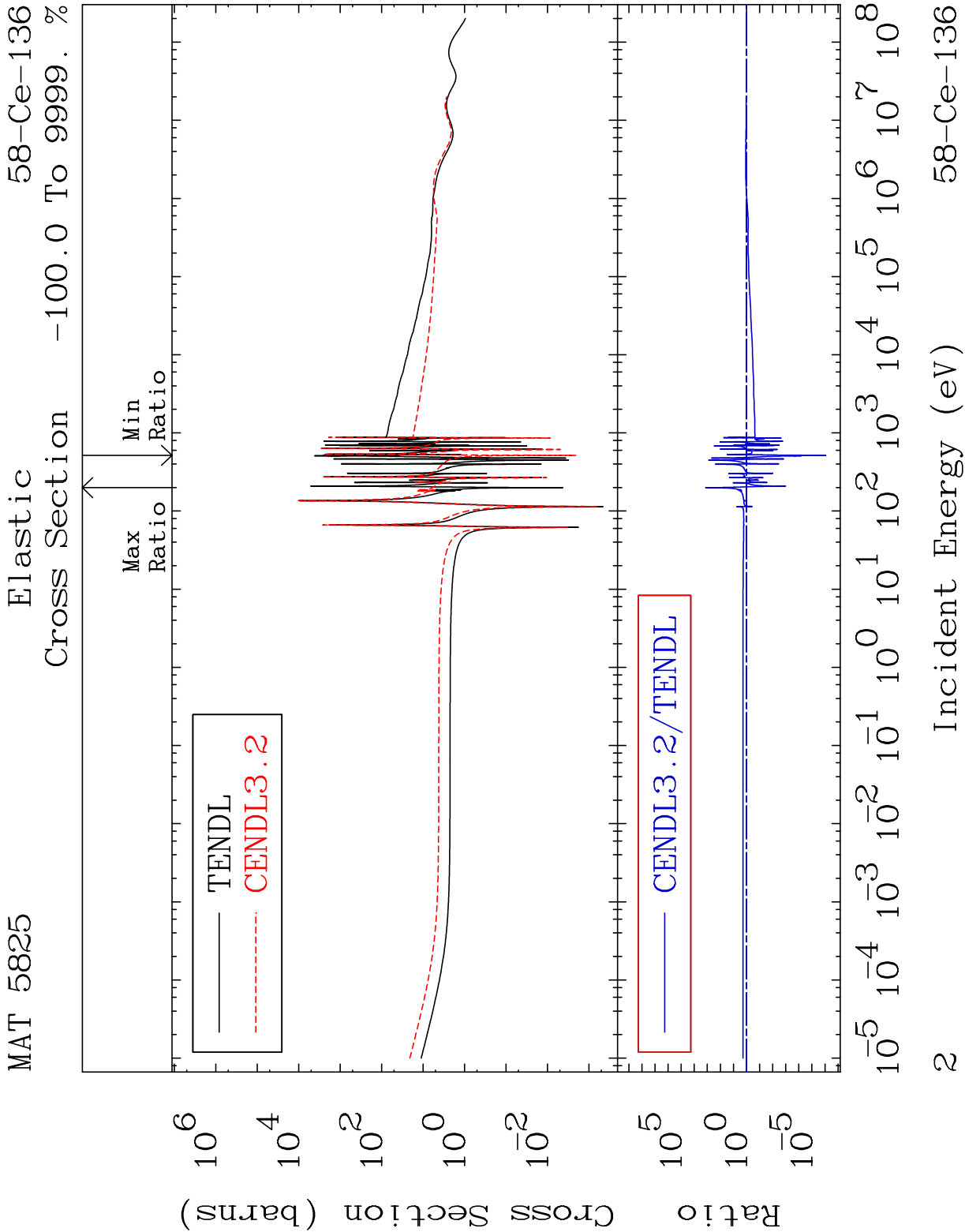
Dermott E. Cullen
(Present Contact Information)

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

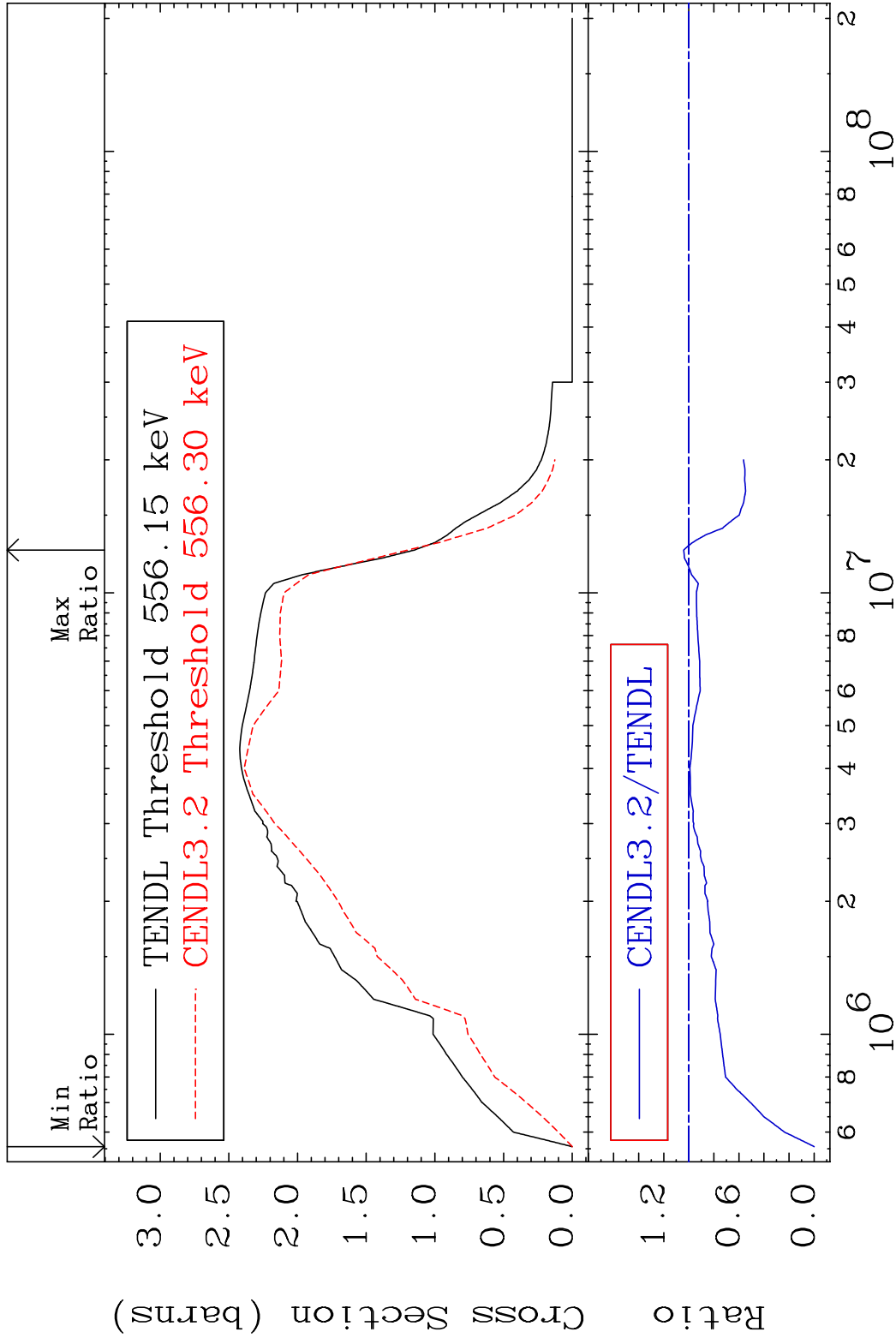
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

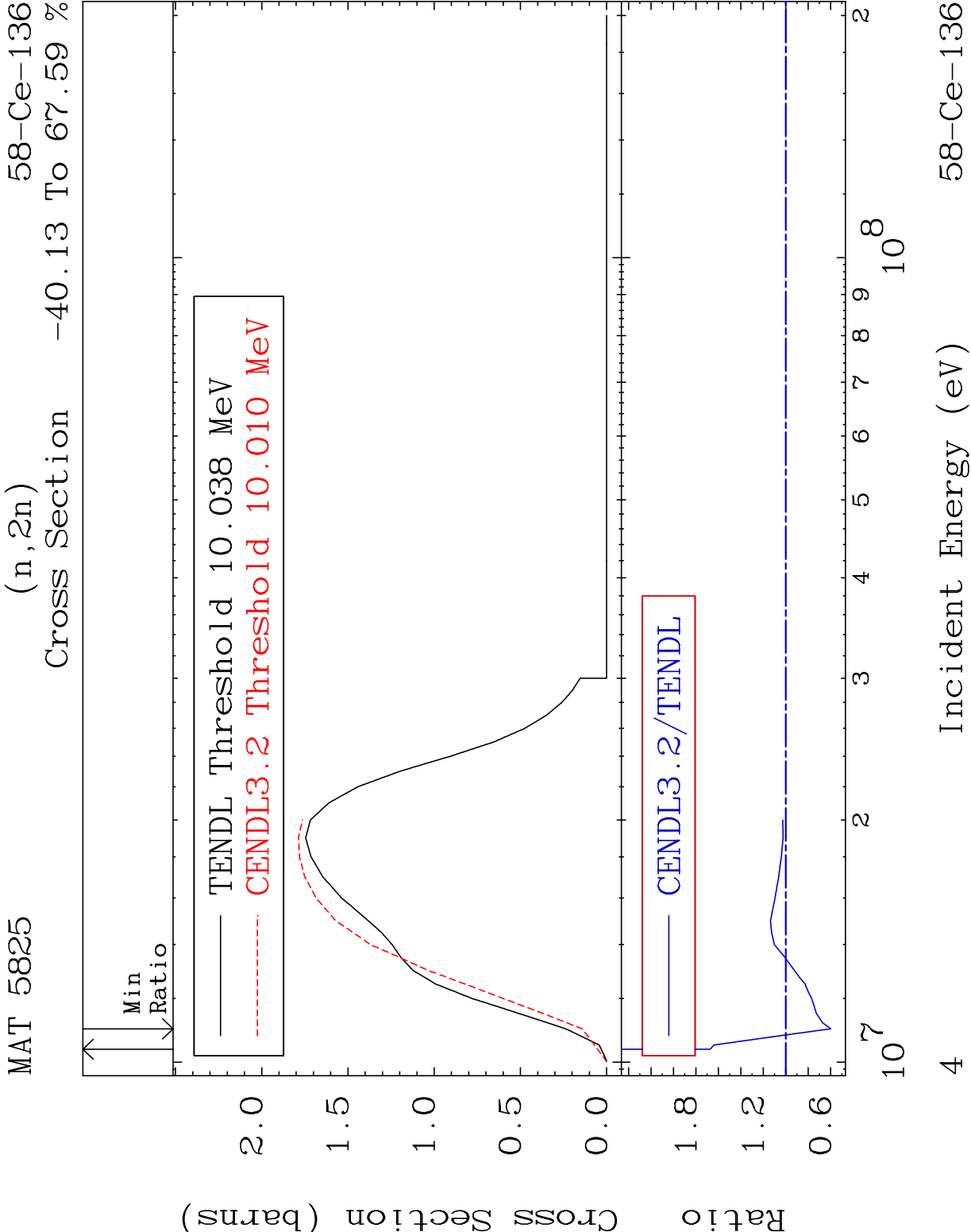
Press Mouse Button to Start

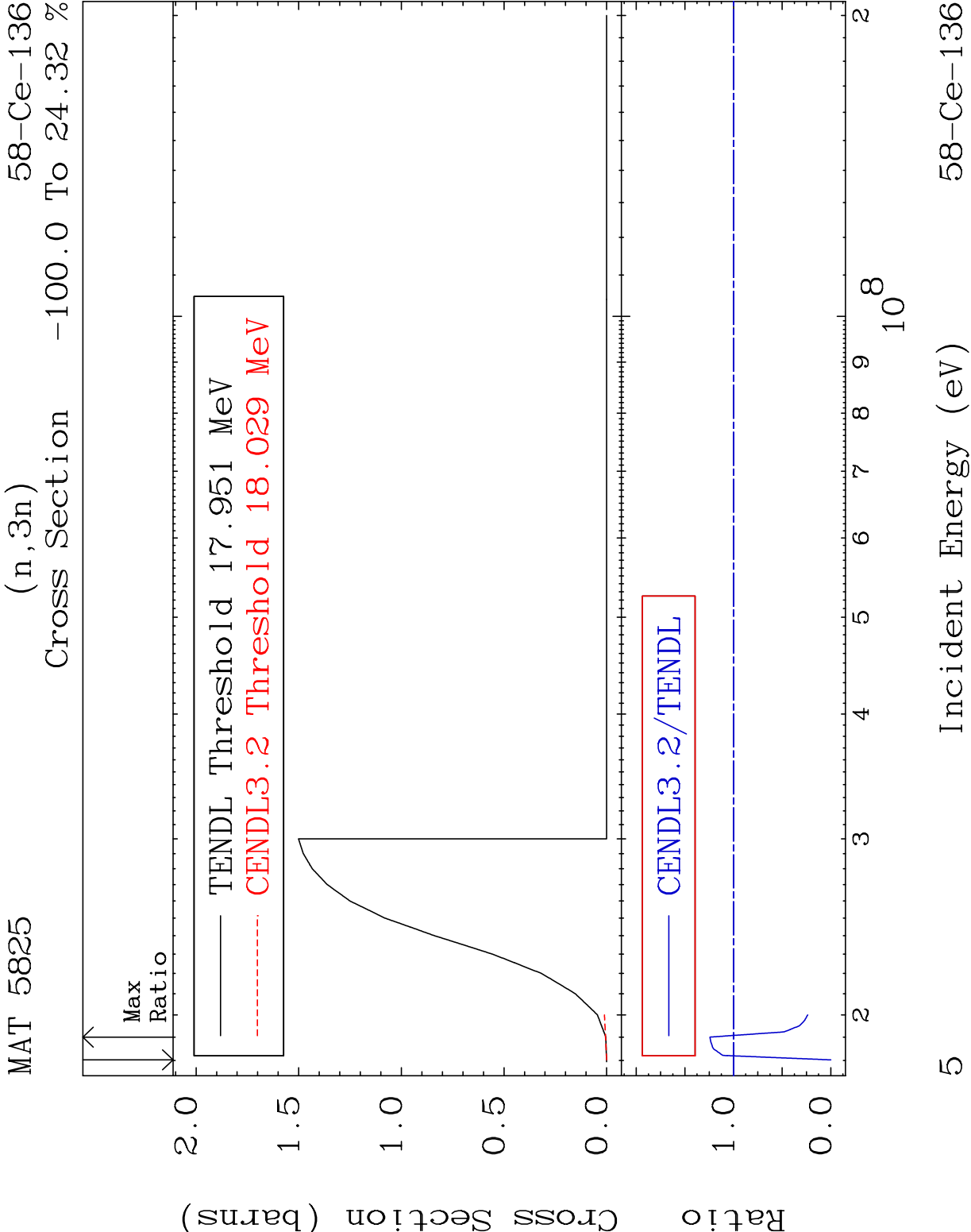


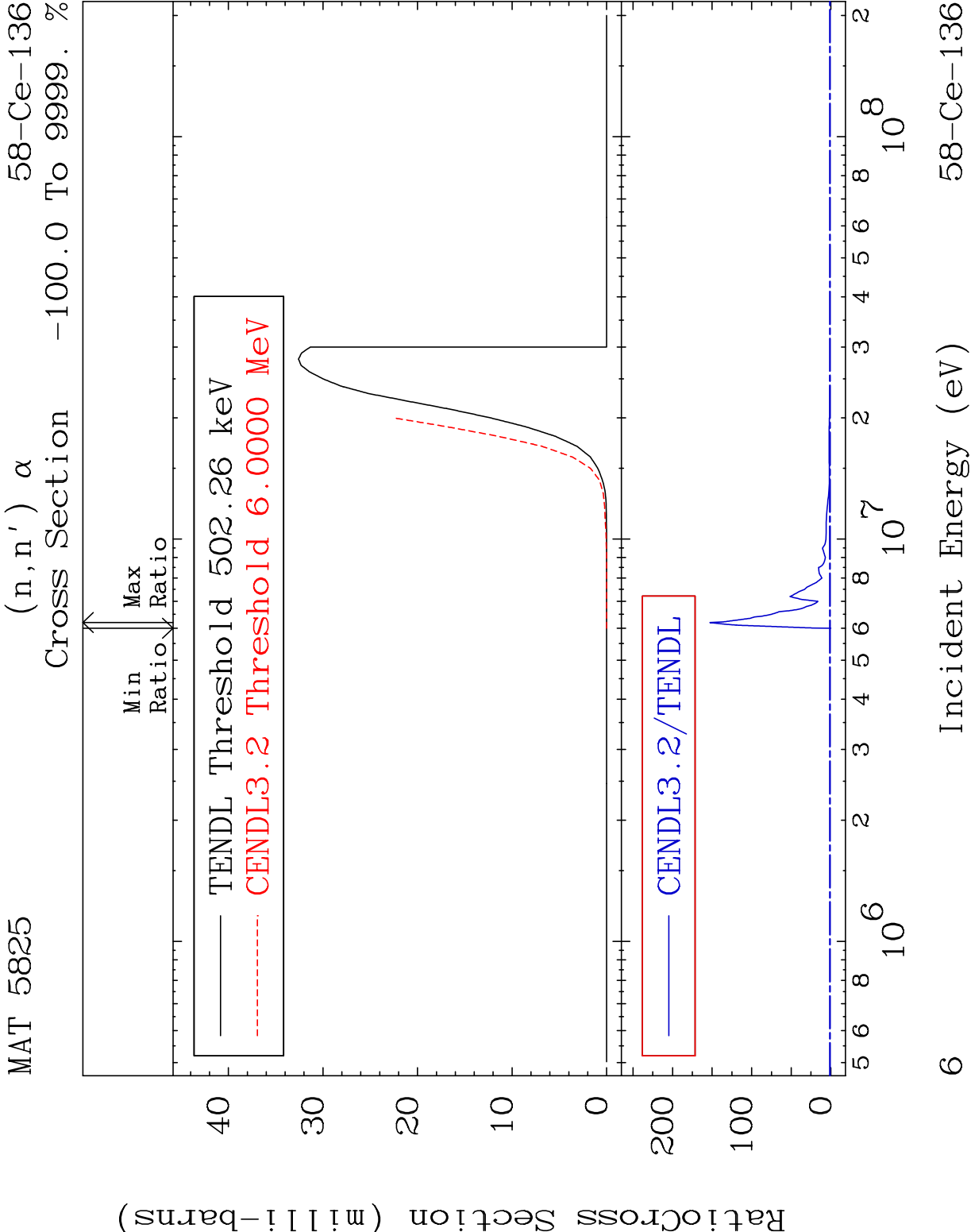


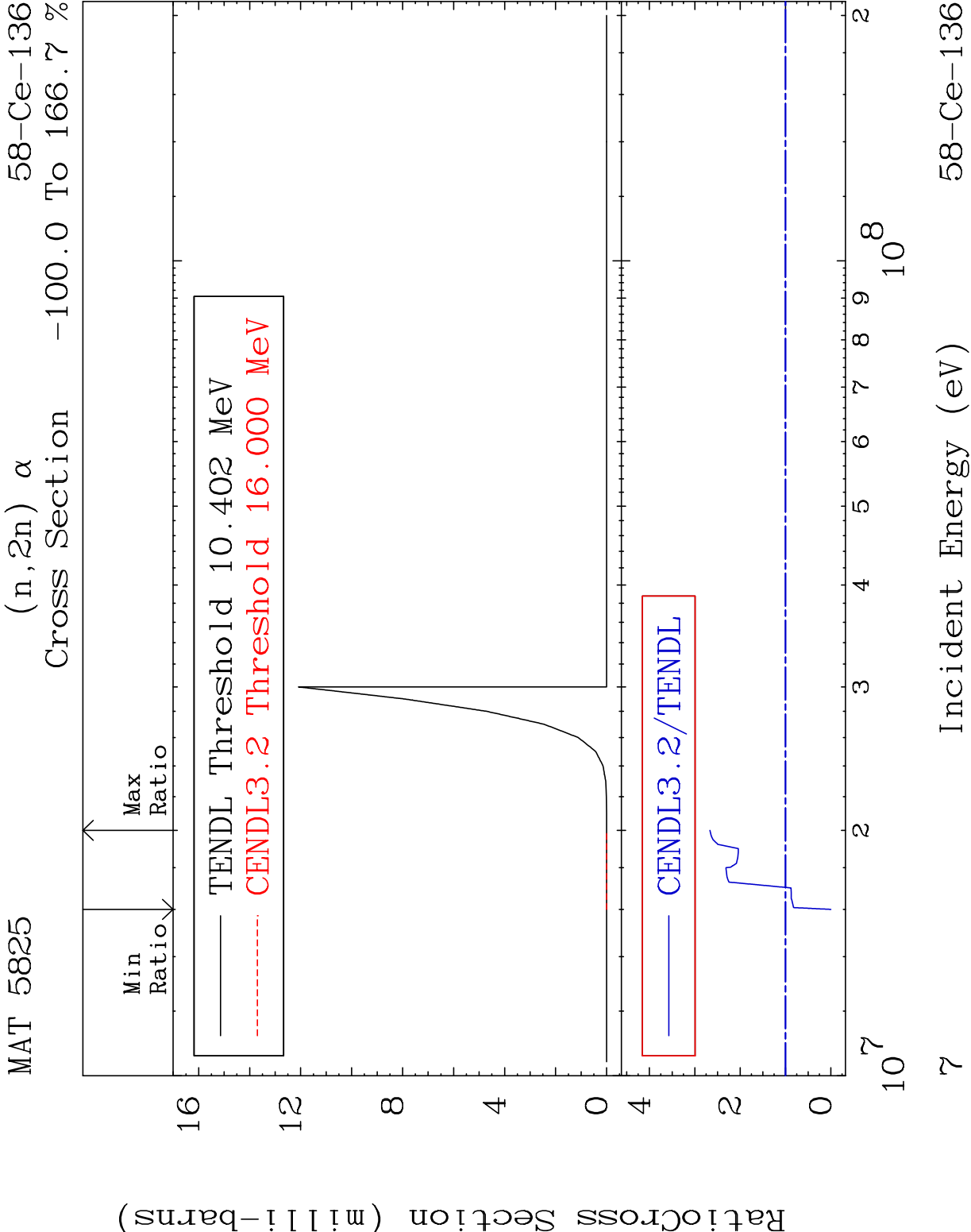
MAT 5825 Inelastic 58-Ce-136
Cross Section -100.0 To 4.082 %



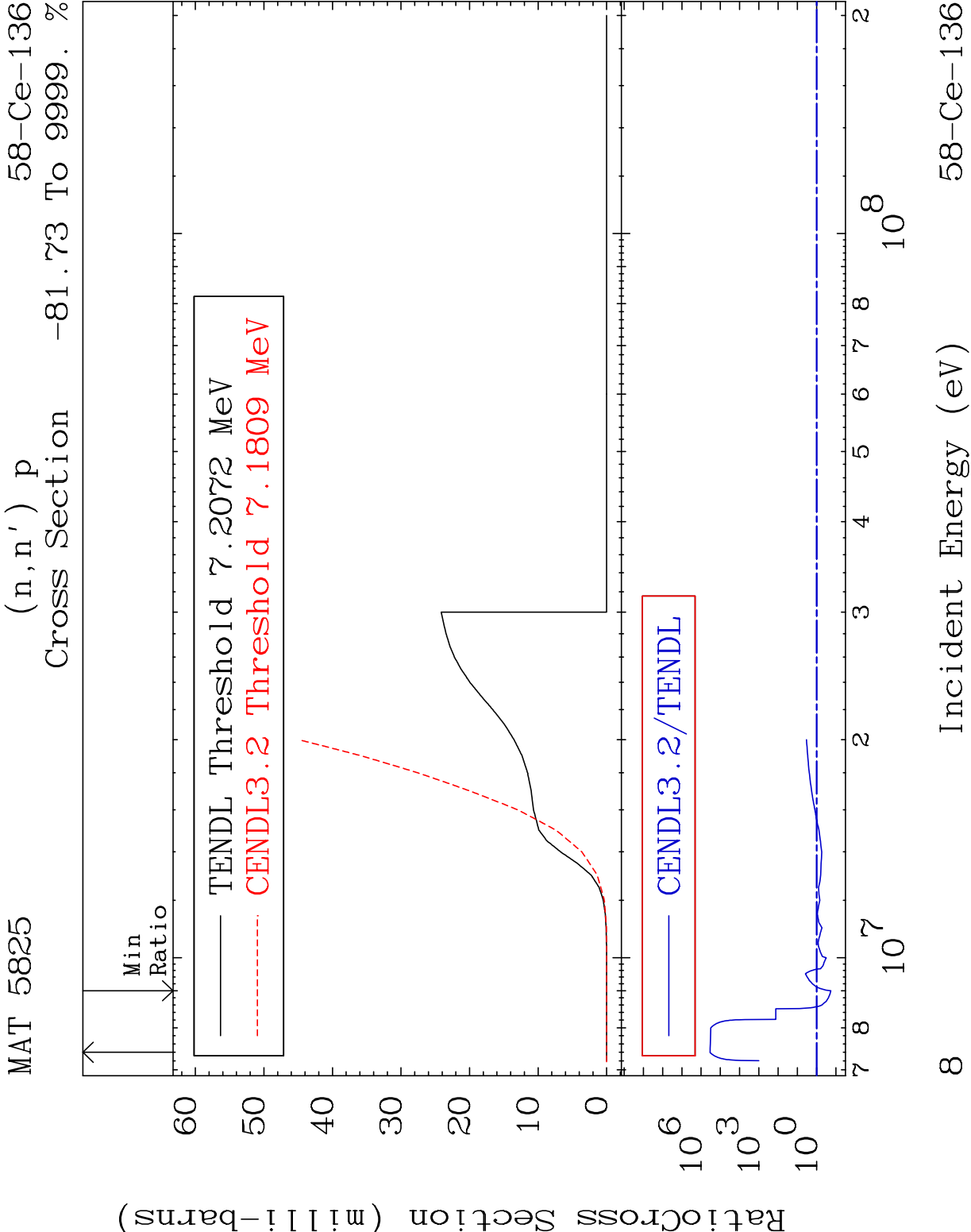


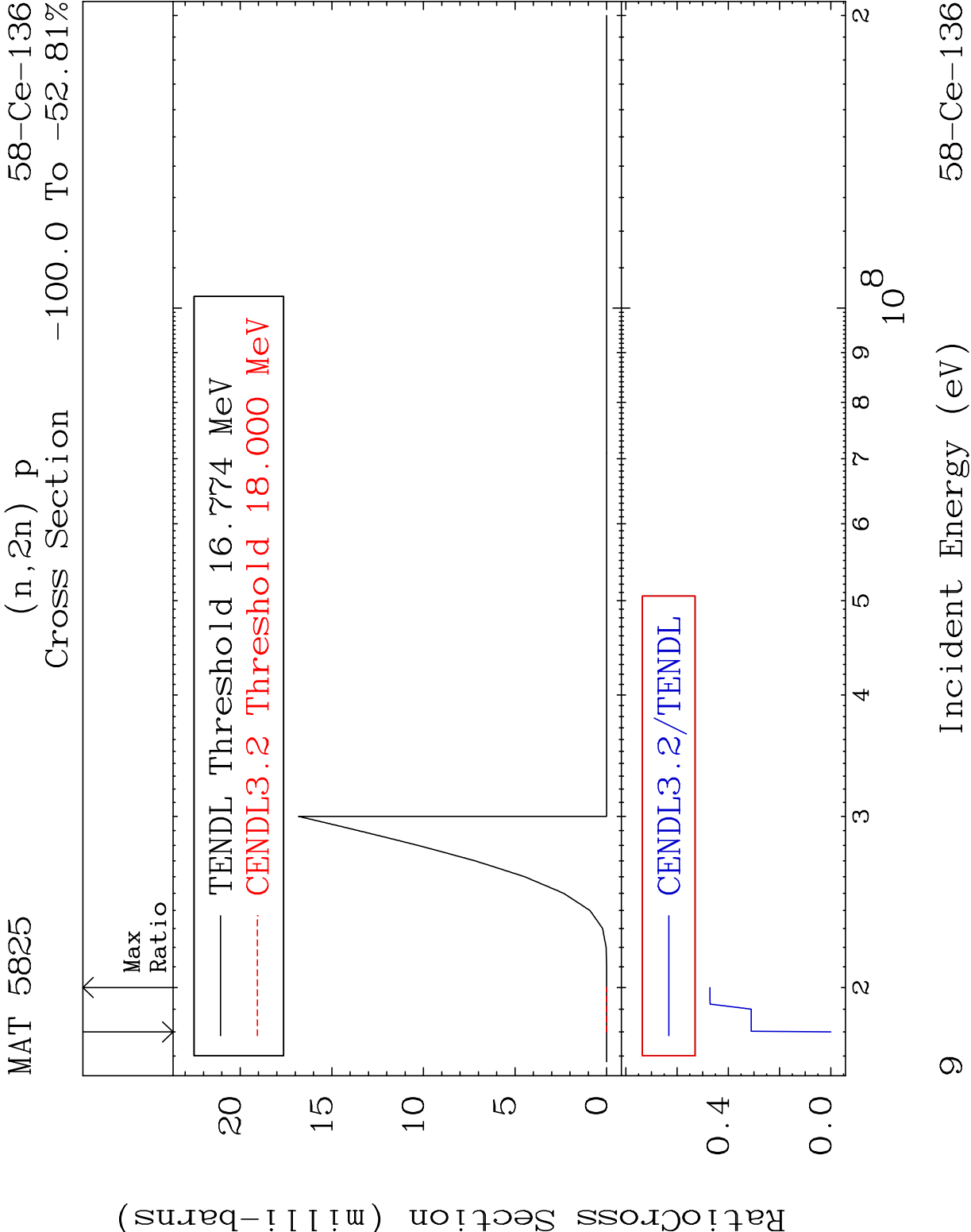






58-Ce-136





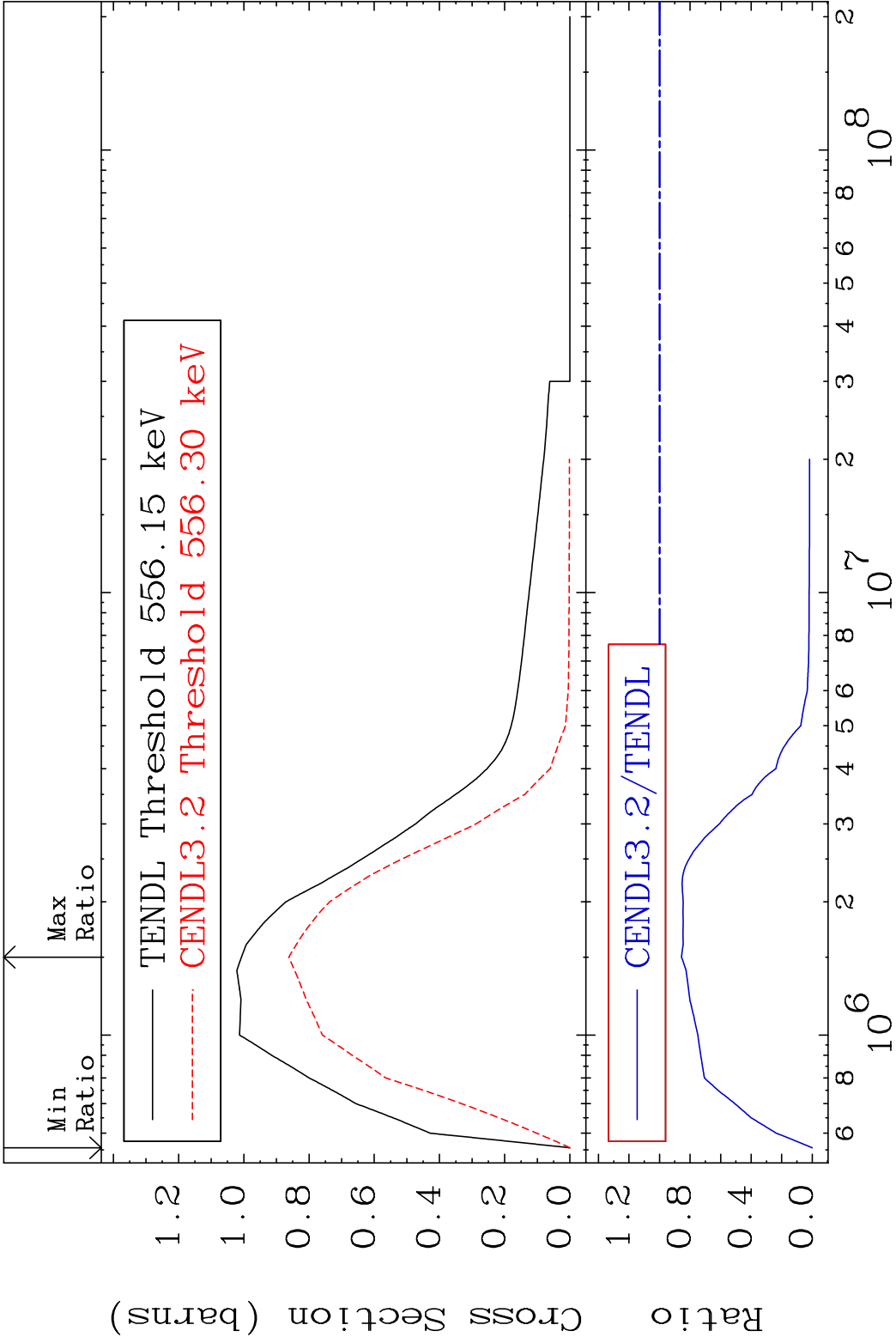
MAT 5825

MT= 51 (n,n') Level

58-Ce-136

Cross Section

-100.0 To -14.40%

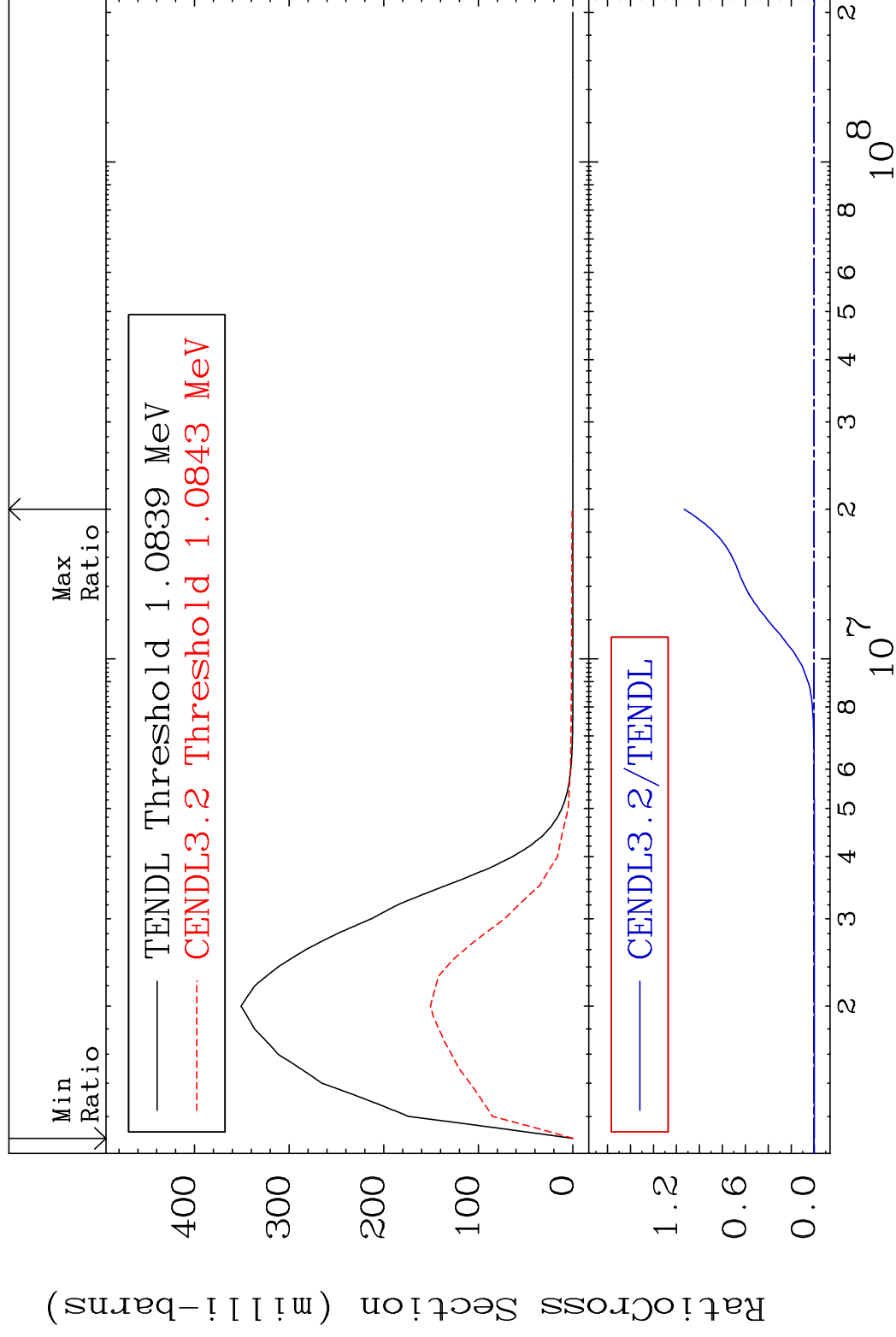


10

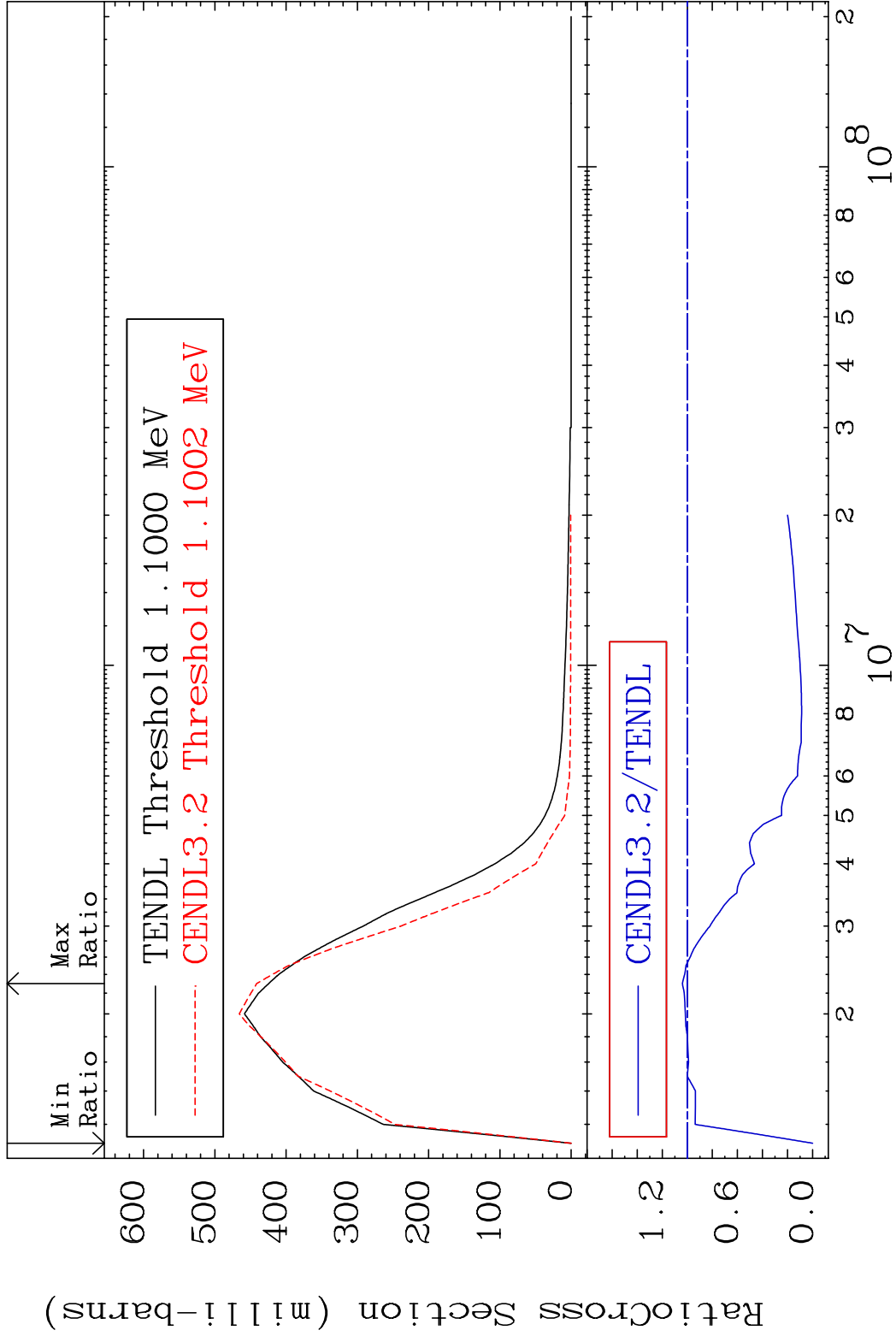
Incident Energy (eV)

58-Ce-136

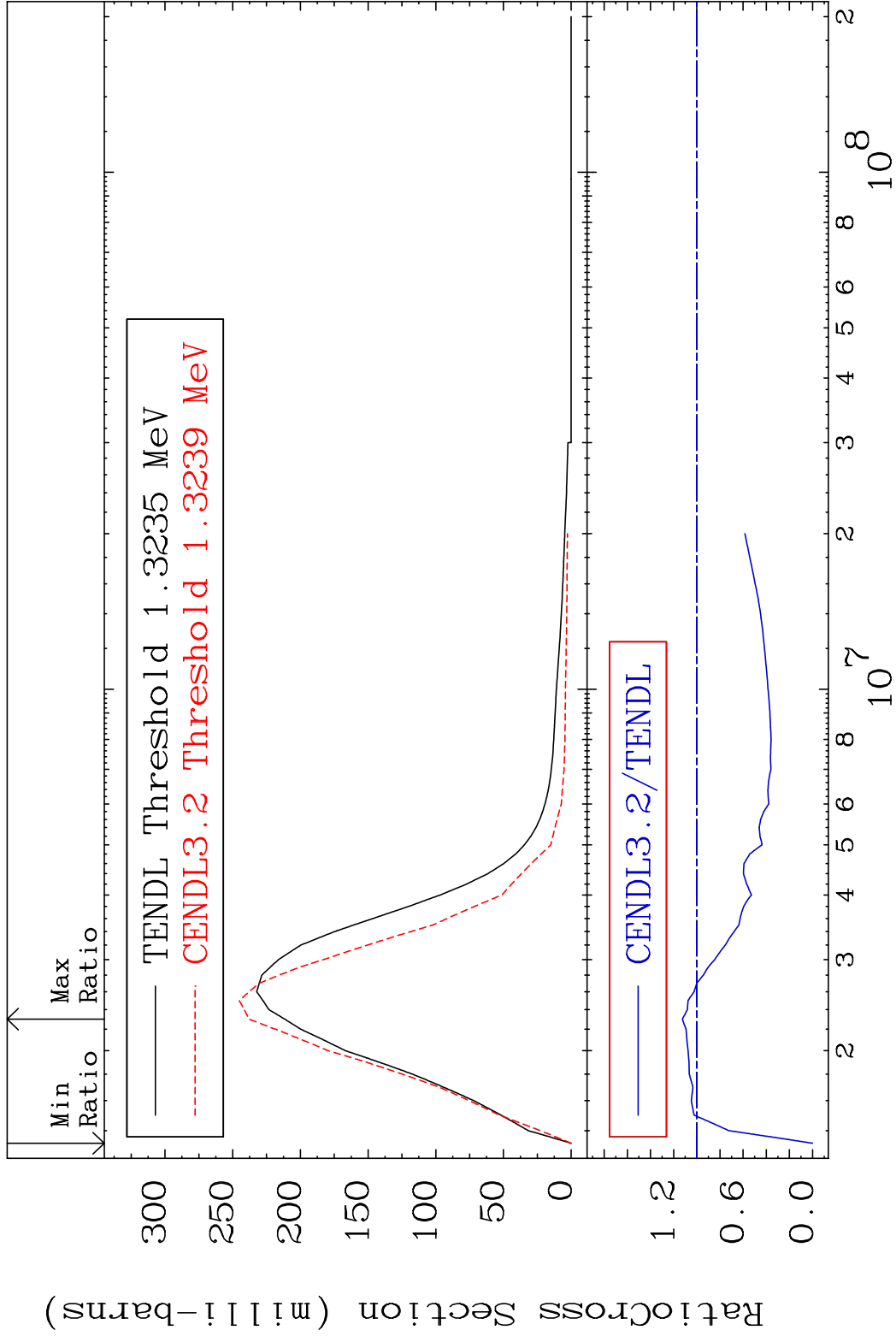
MAT 5825	MT= 52 (n, n') Level	58-Ce-136
	Cross Section	-100.0 To 9999. %



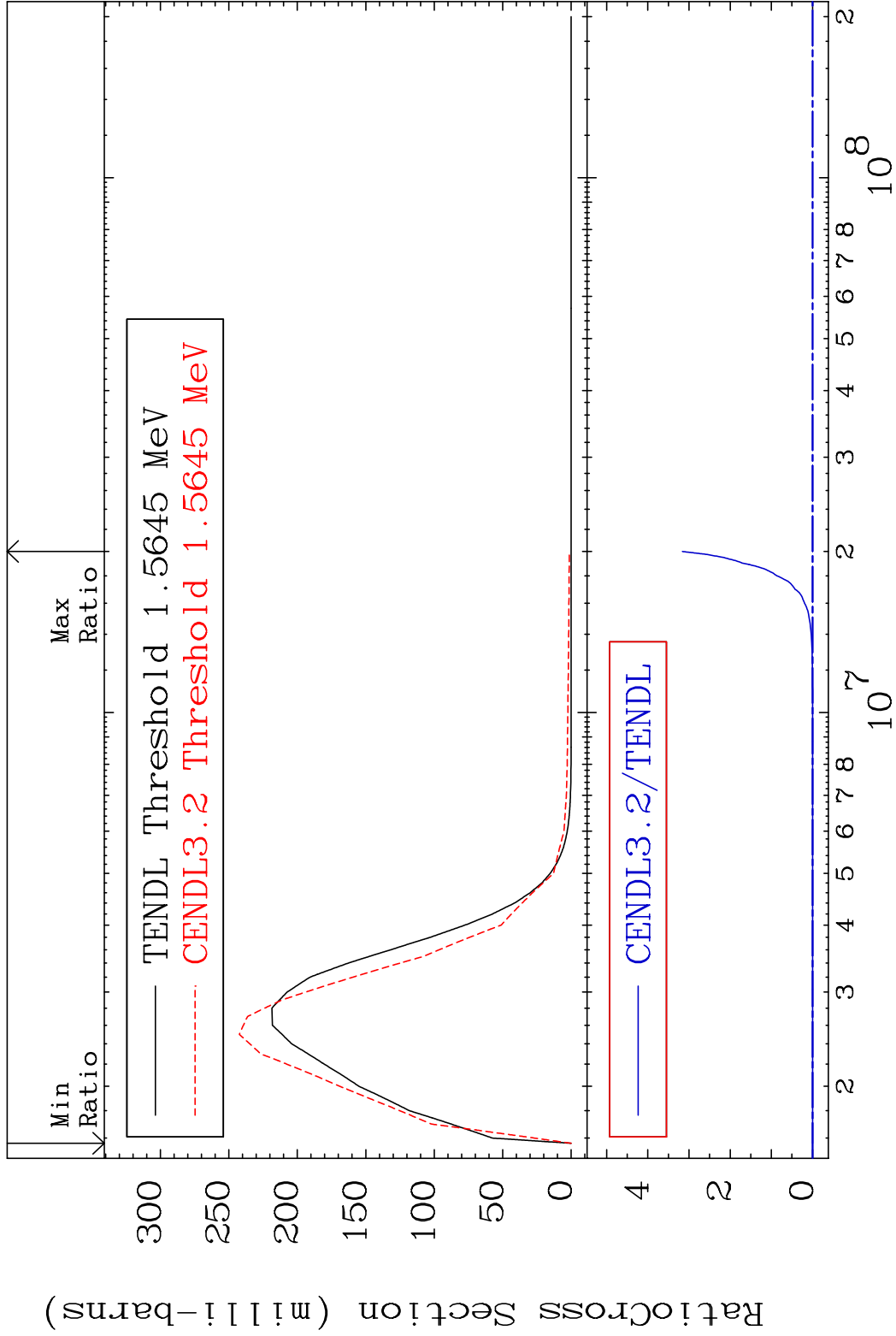
MAT 5825 MT= 53 (n,n') Level 58-Ce-136
Cross Section -100.0 To 3.962 %



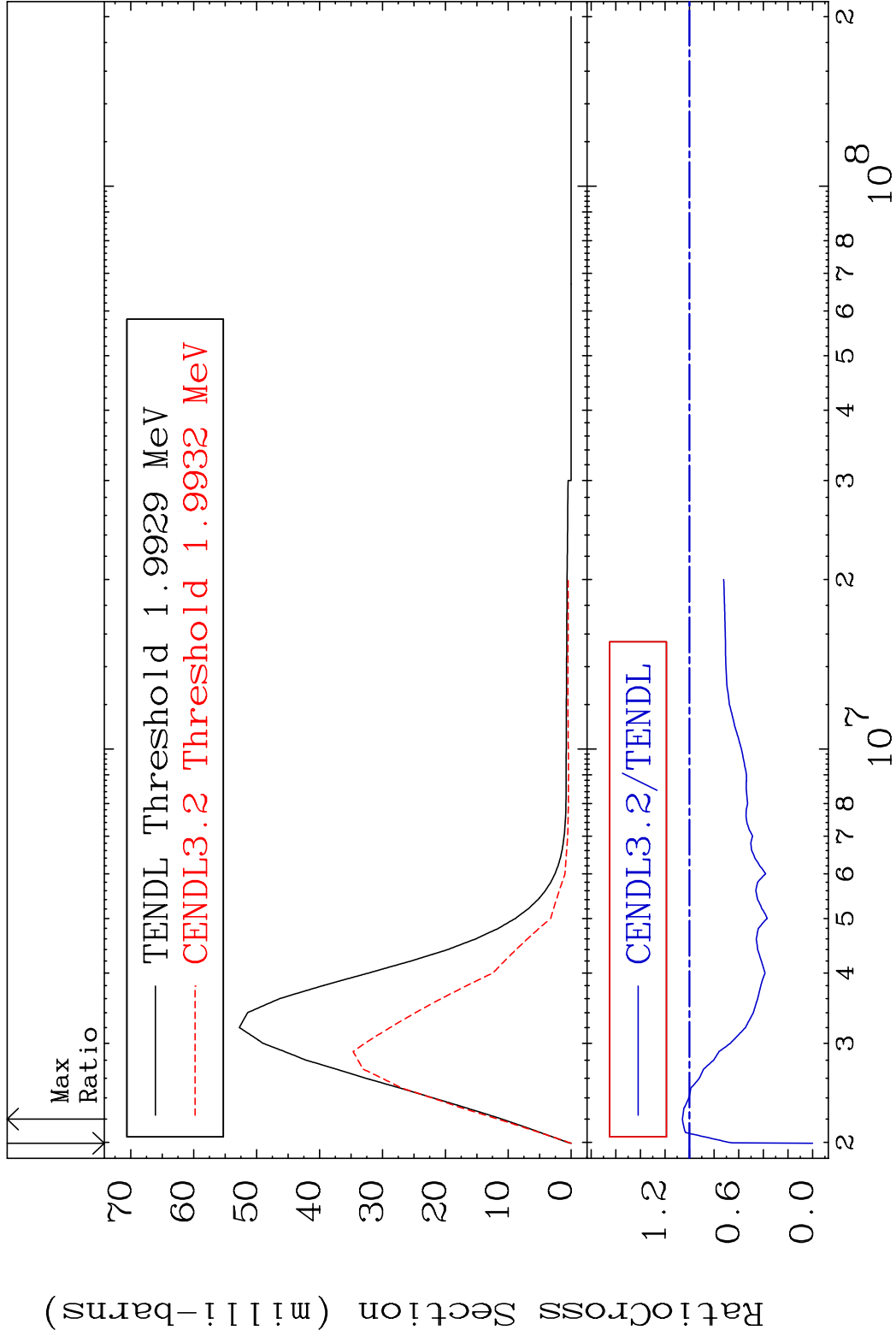
MAT 5825 MT= 54 (n,n') Level 58-Ce-136
Cross Section -100.0 To 12.49 %



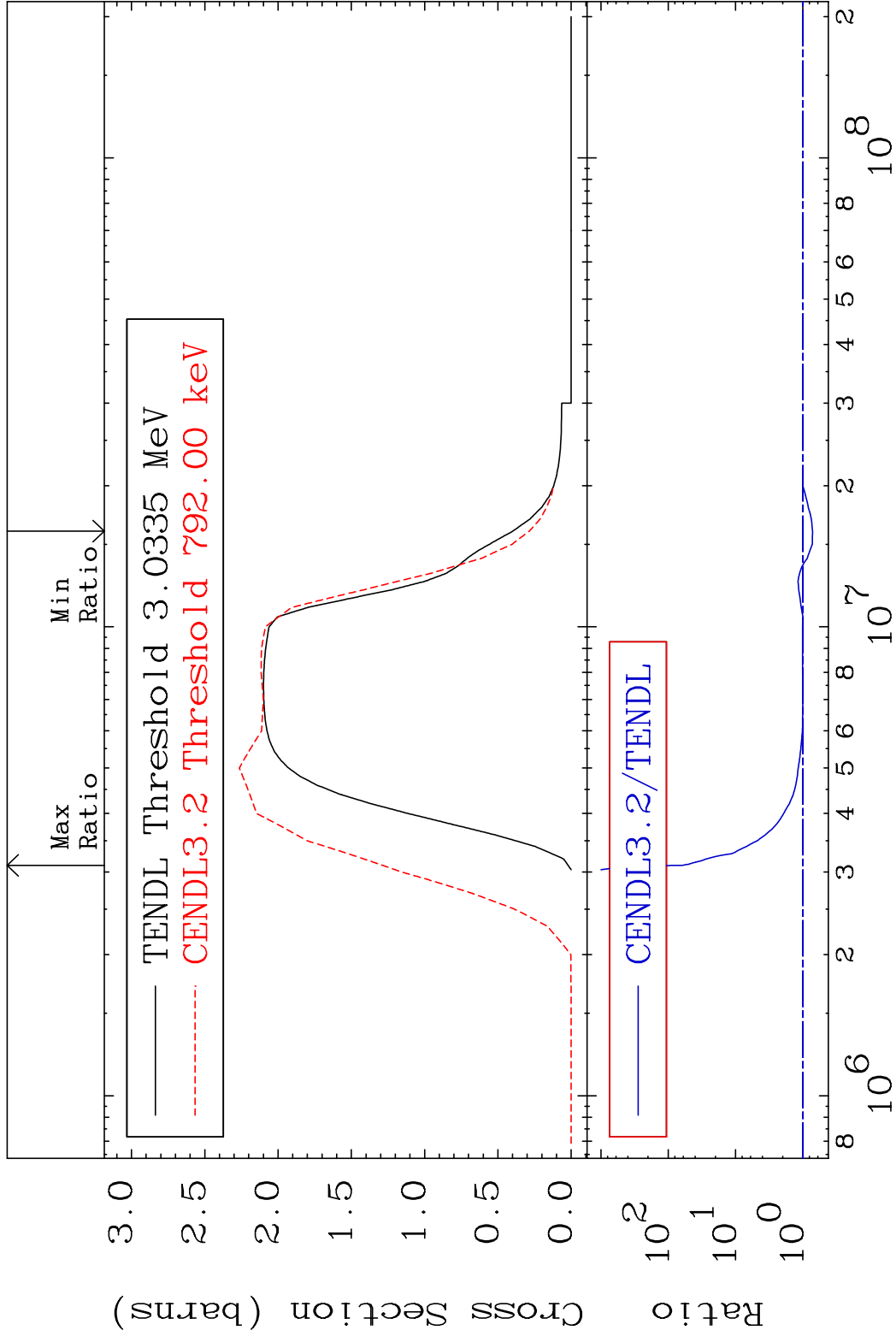
MAT 5825 MT= 55 (n,n') Level 58-Ce-136
Cross Section -100.0 To 9999. %



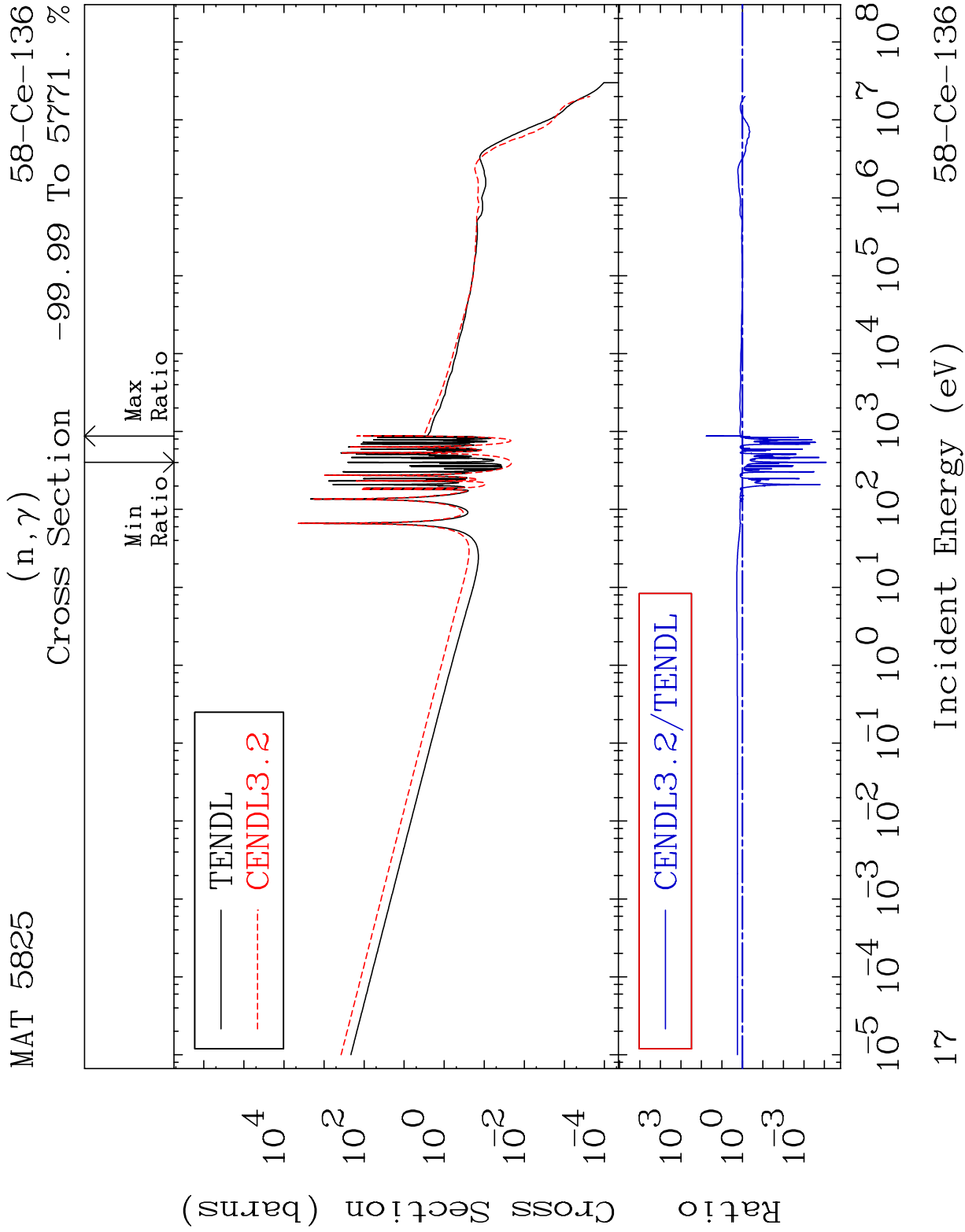
MAT 5825 MT= 56 (n,n') Level 58-Ce-136
Cross Section -100.0 To 5.848 %

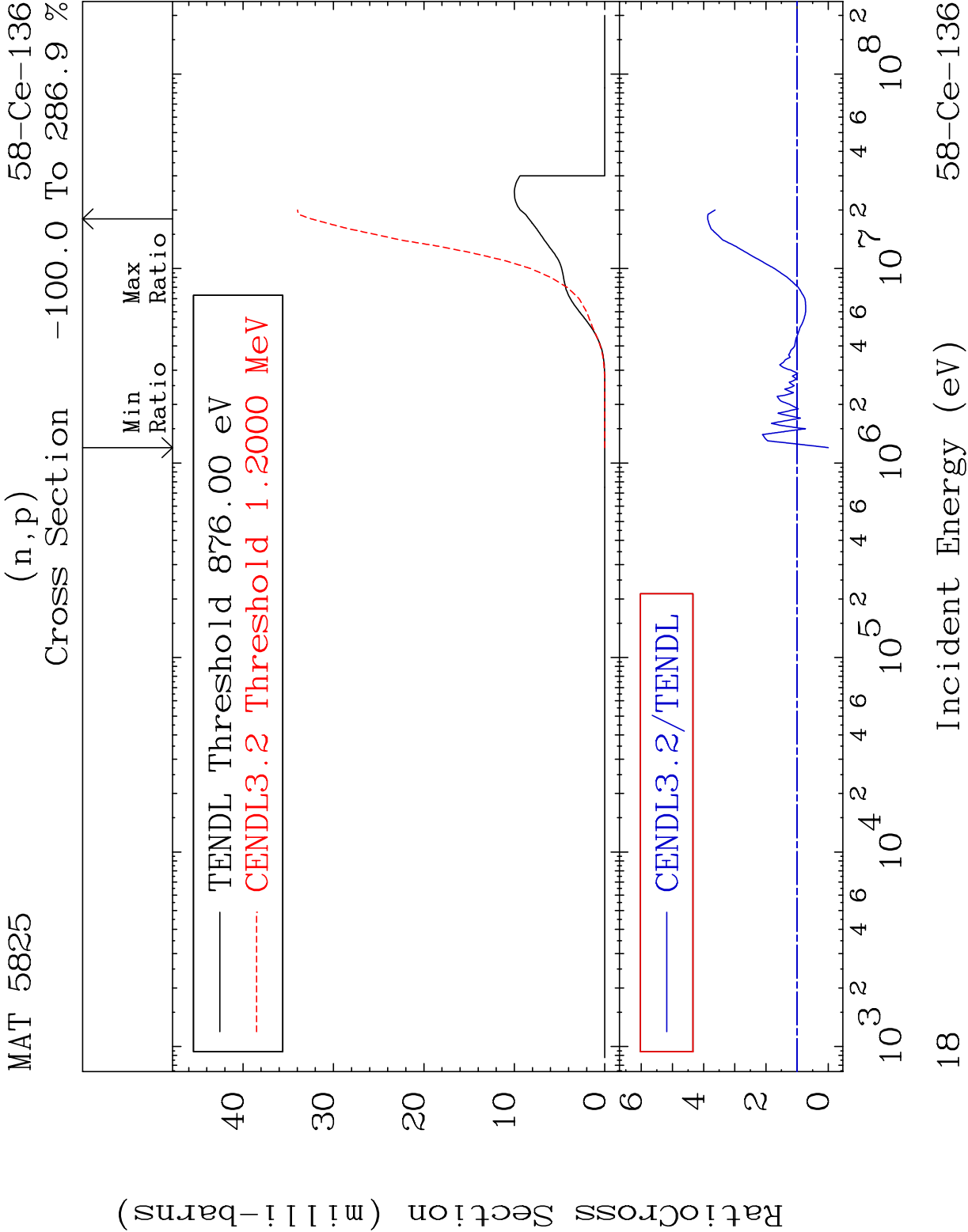


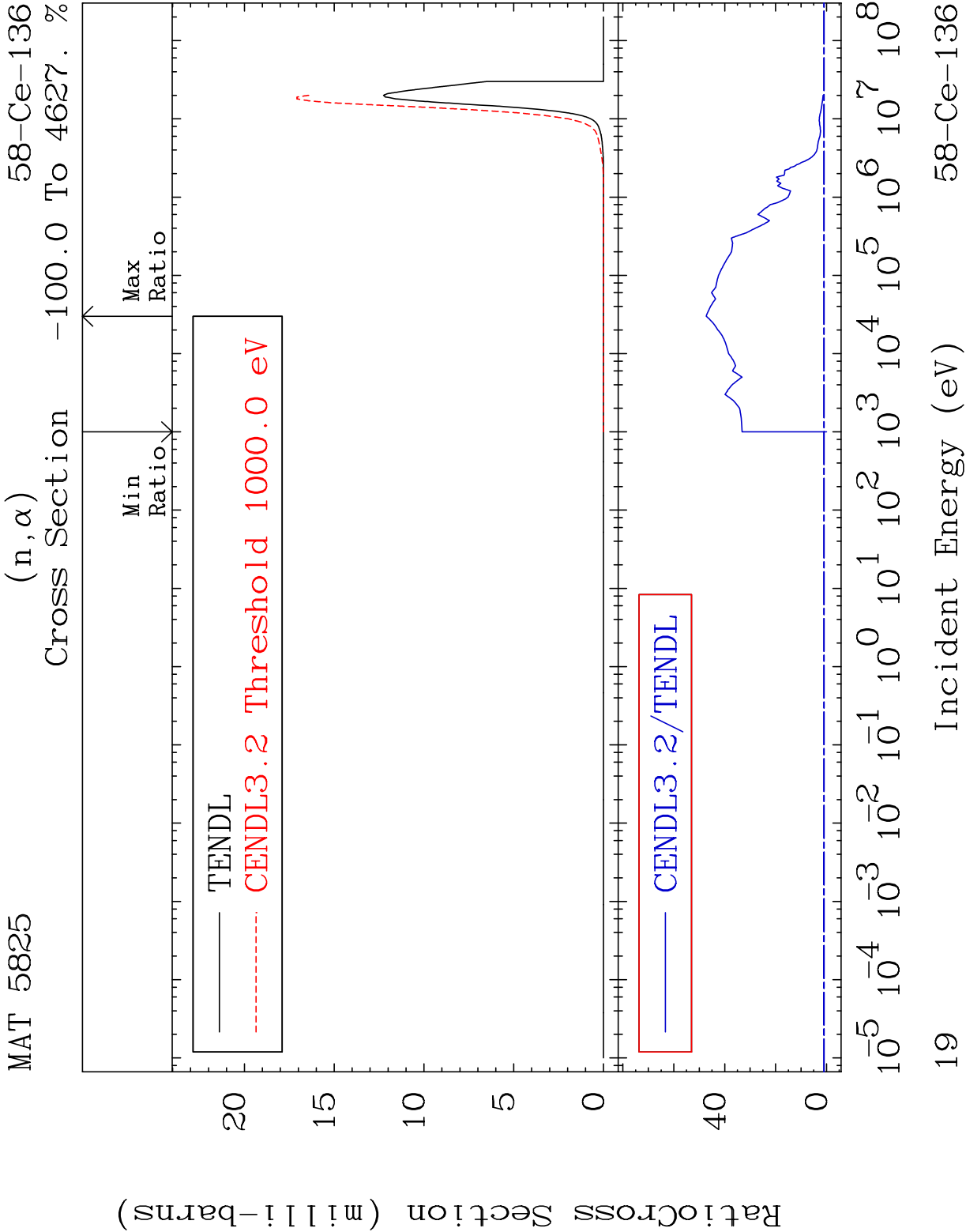
MAT 5825 (n,n') Continuum 58-Ce-136
Cross Section -28.10 To 6084. %

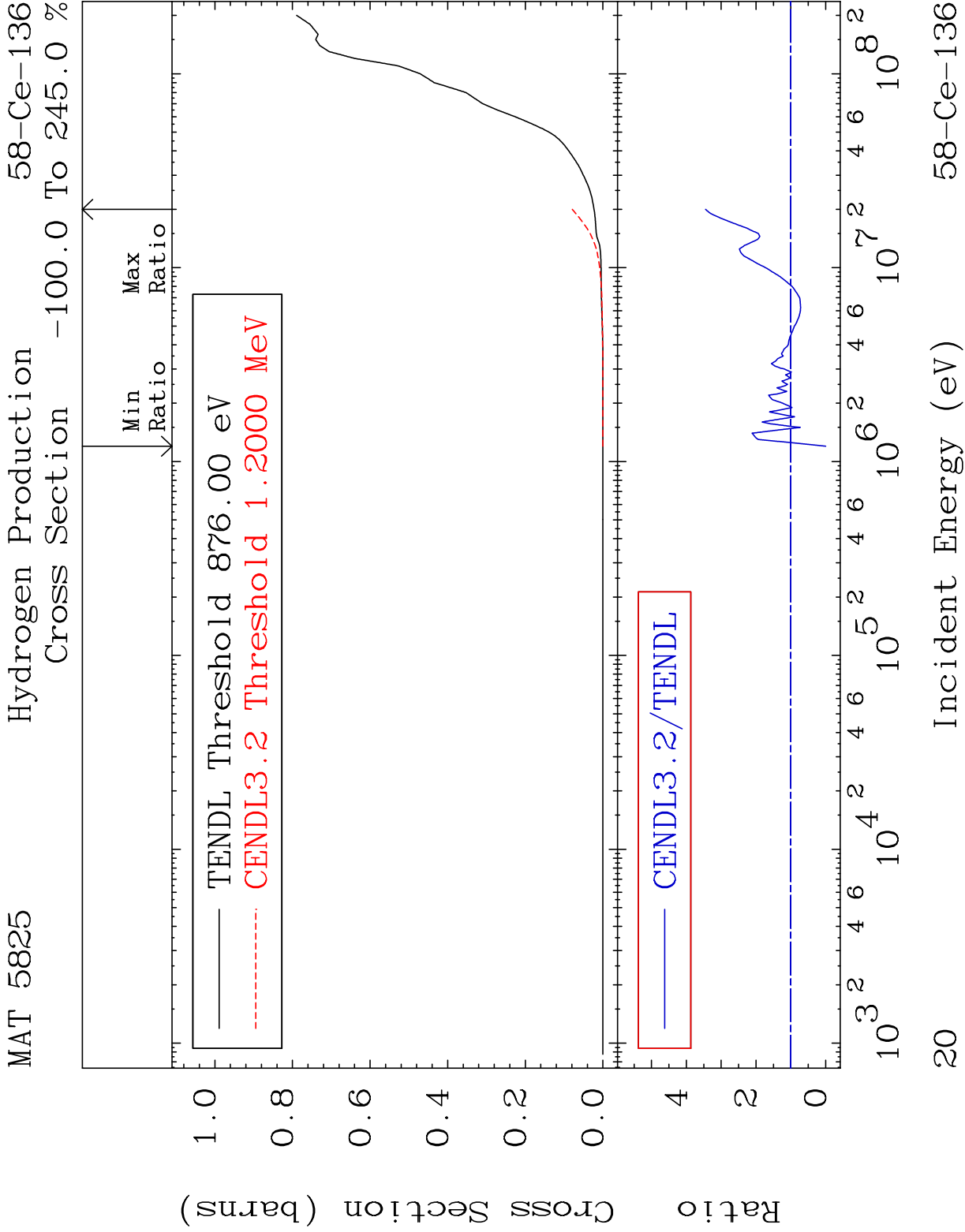


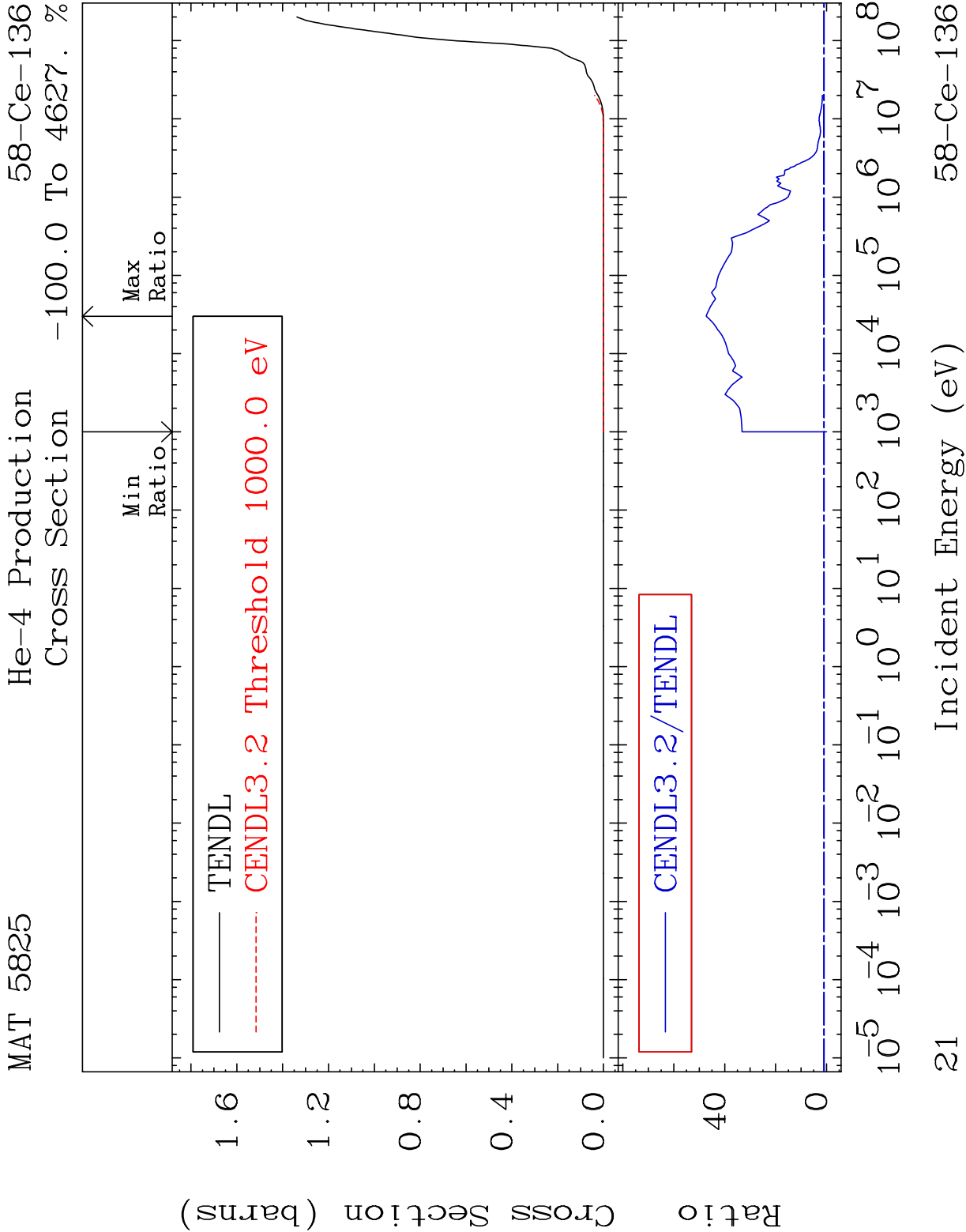
16 Incident Energy (eV) 58-Ce-136



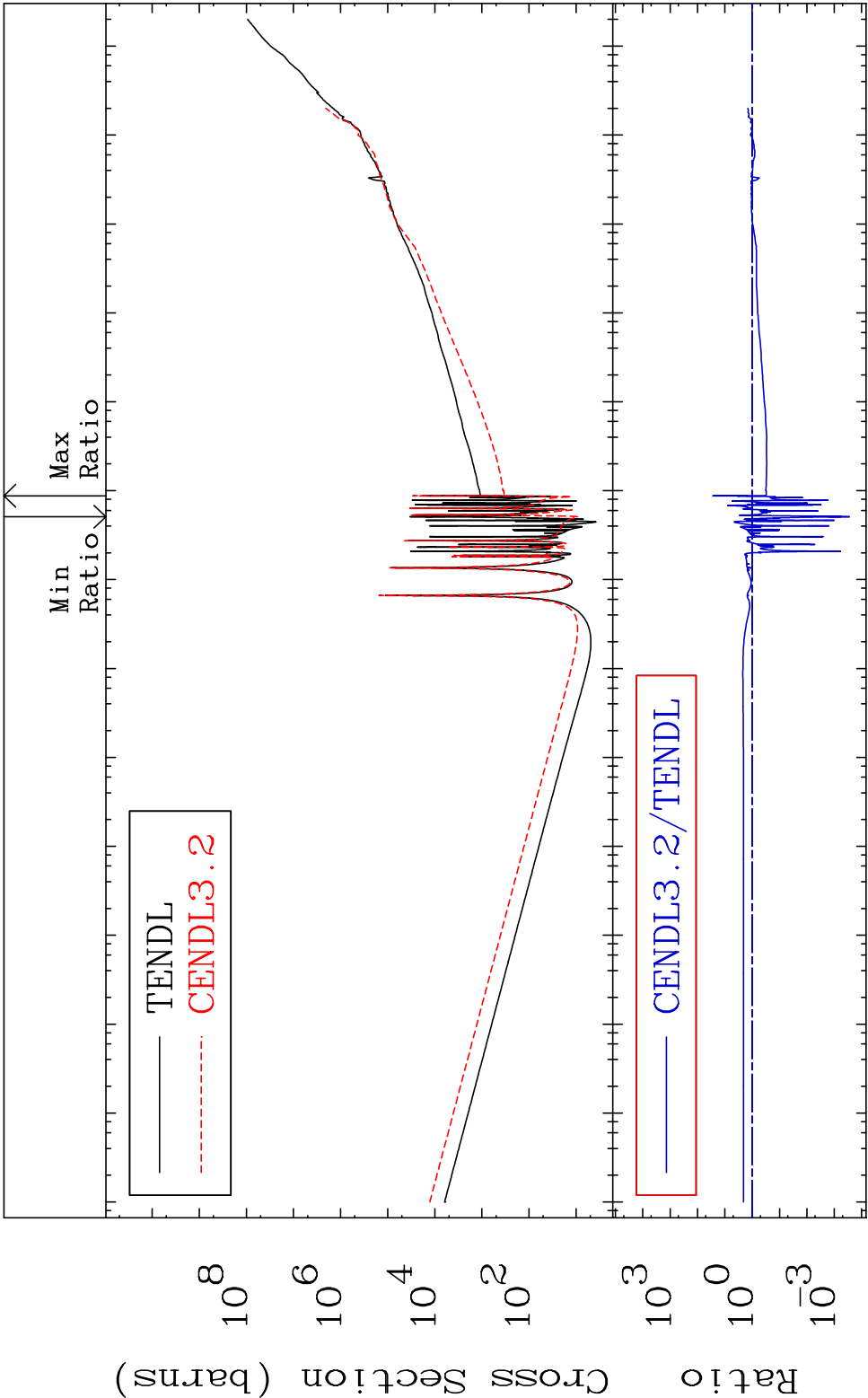


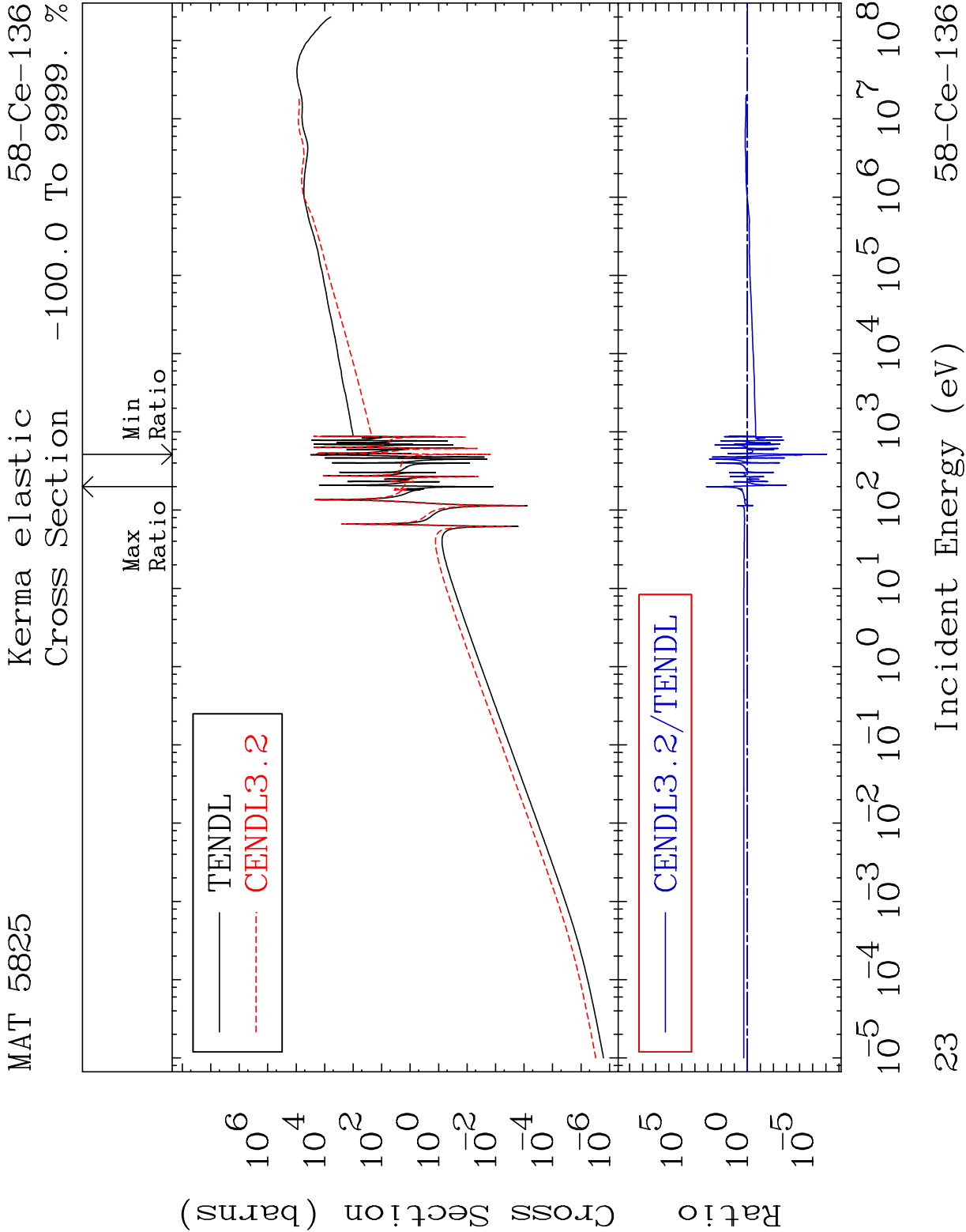




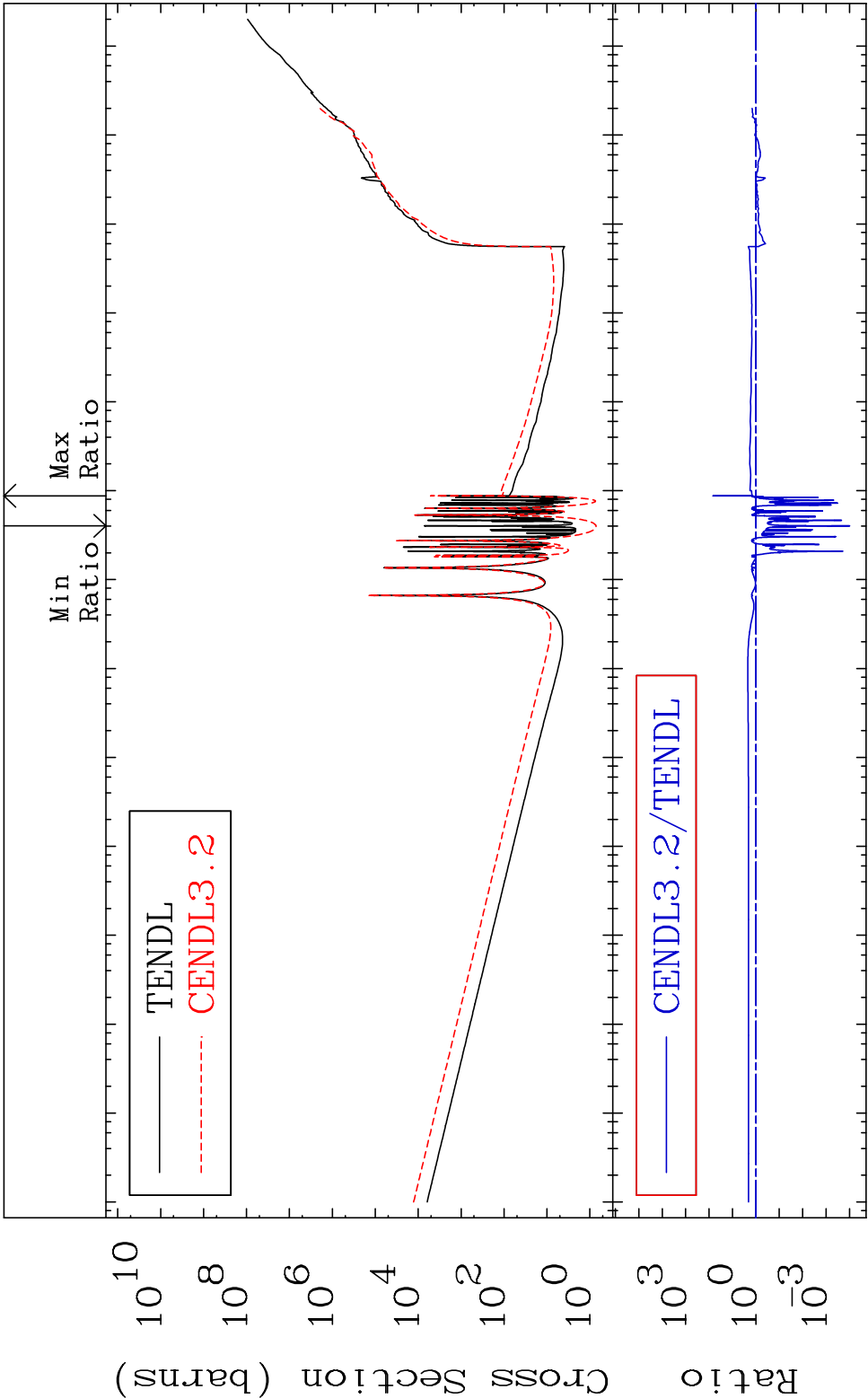


MAT 5825	Kerma total (eV-barns)	58-Ce-136
	Cross Section	-99.97 To 2657. %

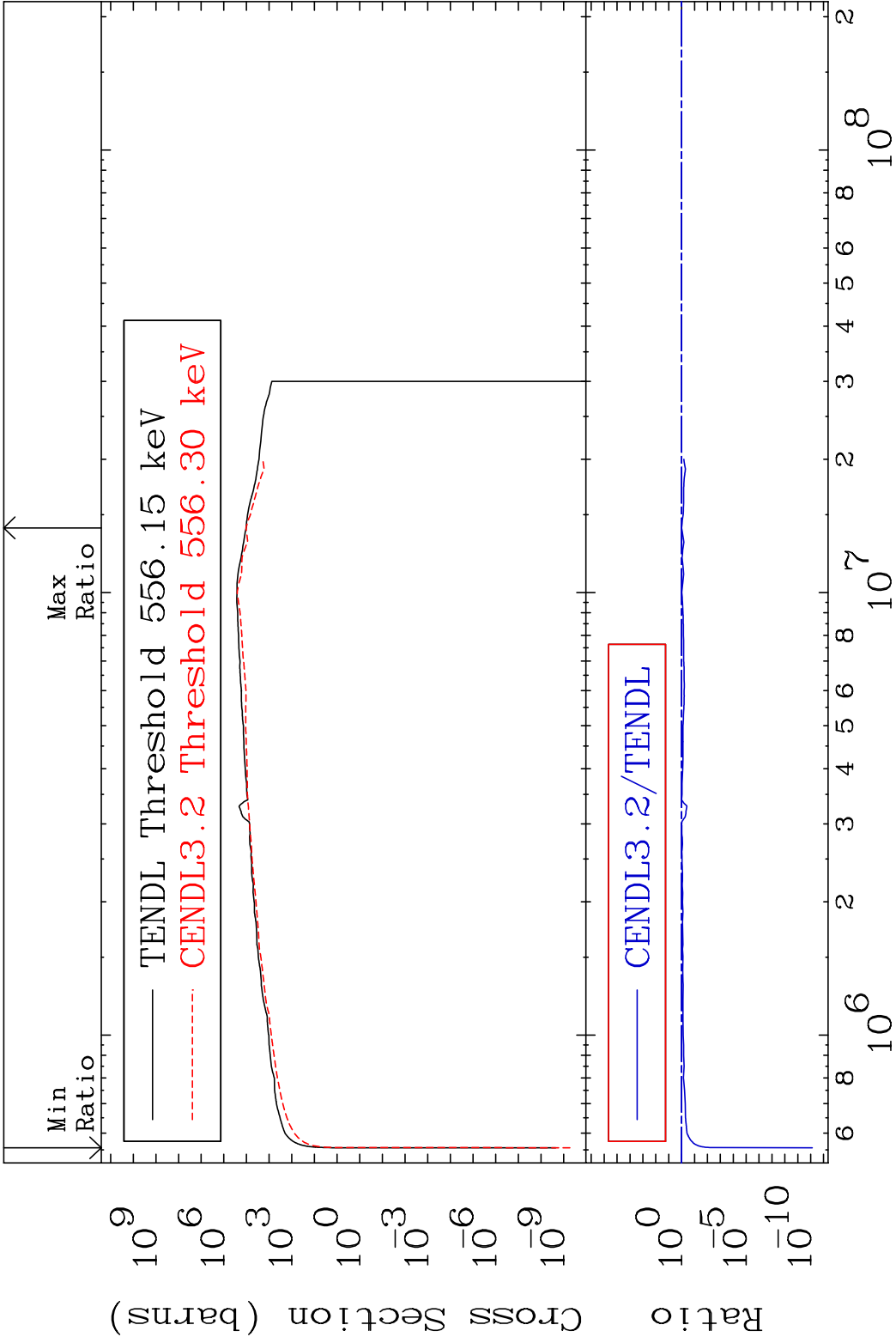




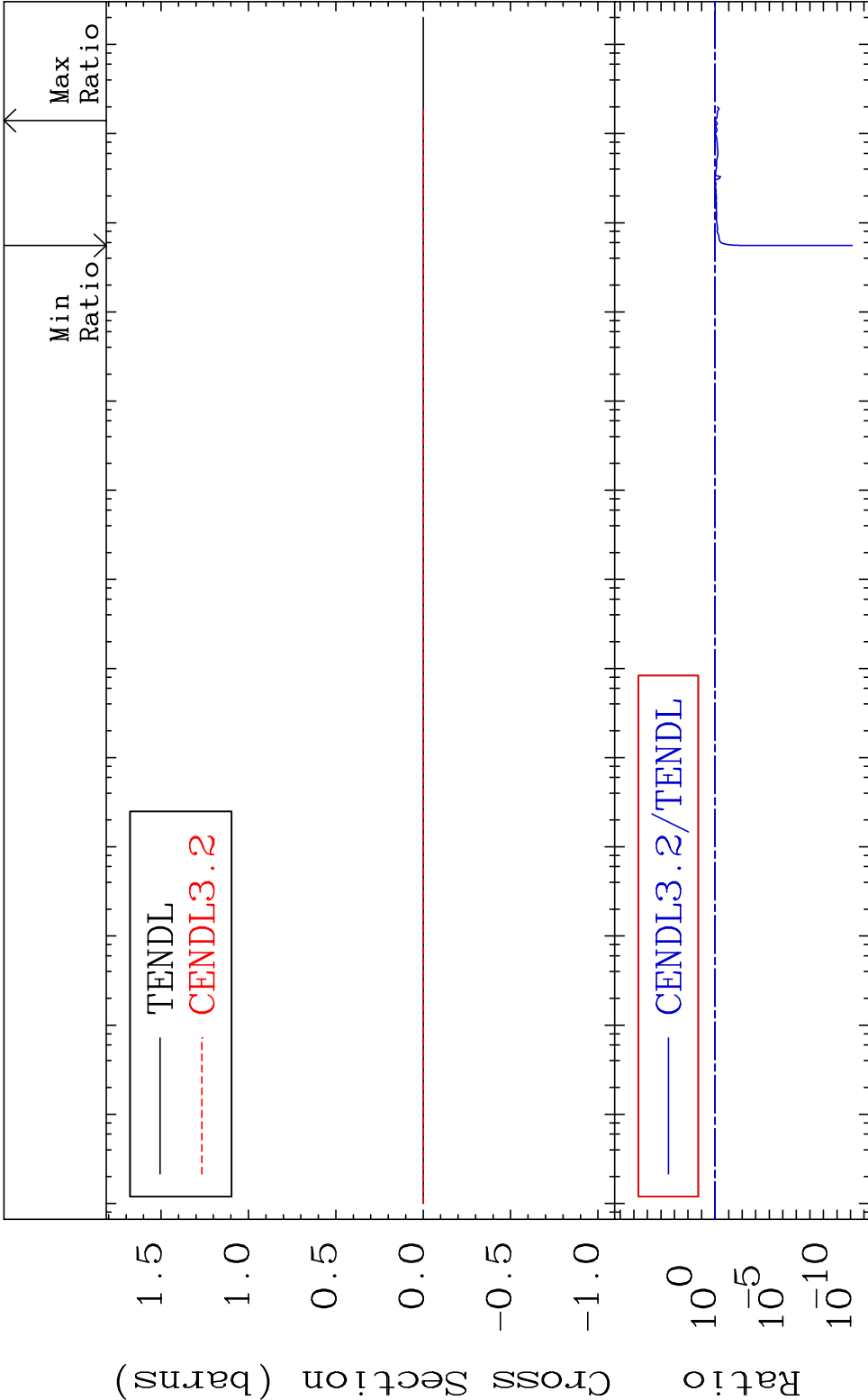
MAT 5825 Kerma non-elastic (all but mt2) 58-Ce-136
 Cross Section -99.99 To 6813. %

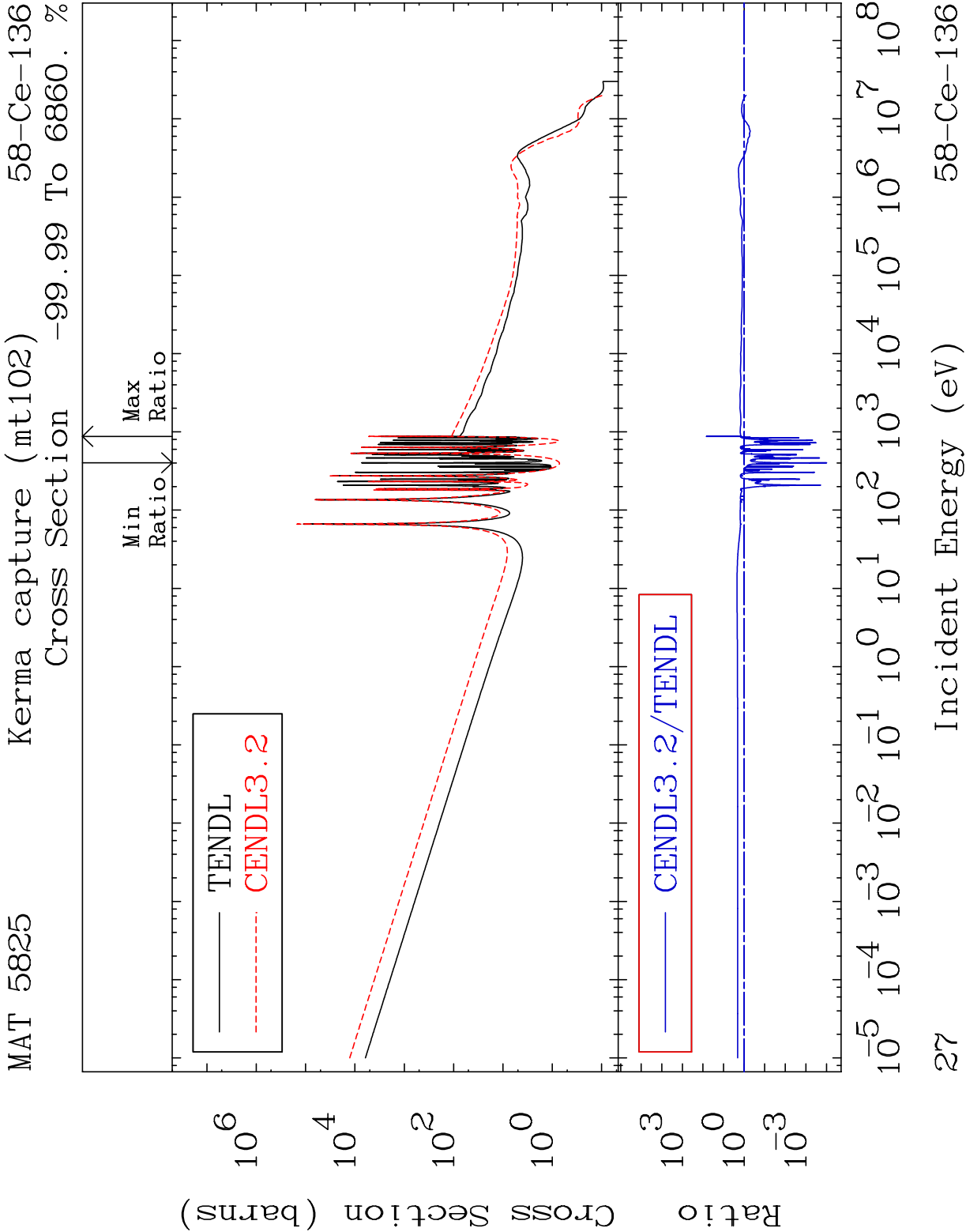


MAT 5825 Kerma inelastic (mt51-91) 58-Ce-136
Cross Section -100.0 To 1.122 %



MAT 5825 Kerma fission (mt18 or mt19-20-21-38) 58-Ce-136
Cross Section -100.0 To 1.122 %





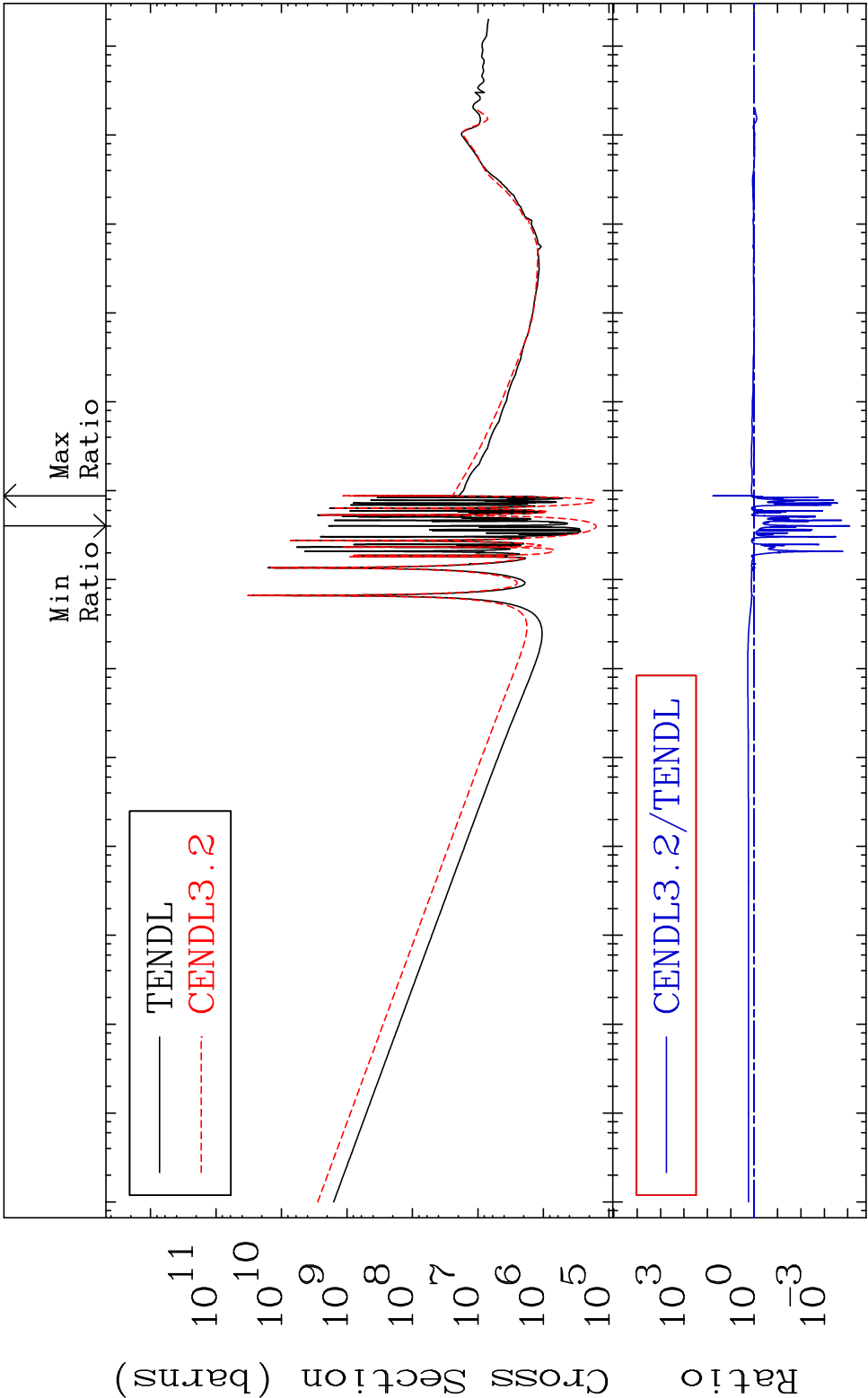
MAT 5825

Total photon (eV-barns)

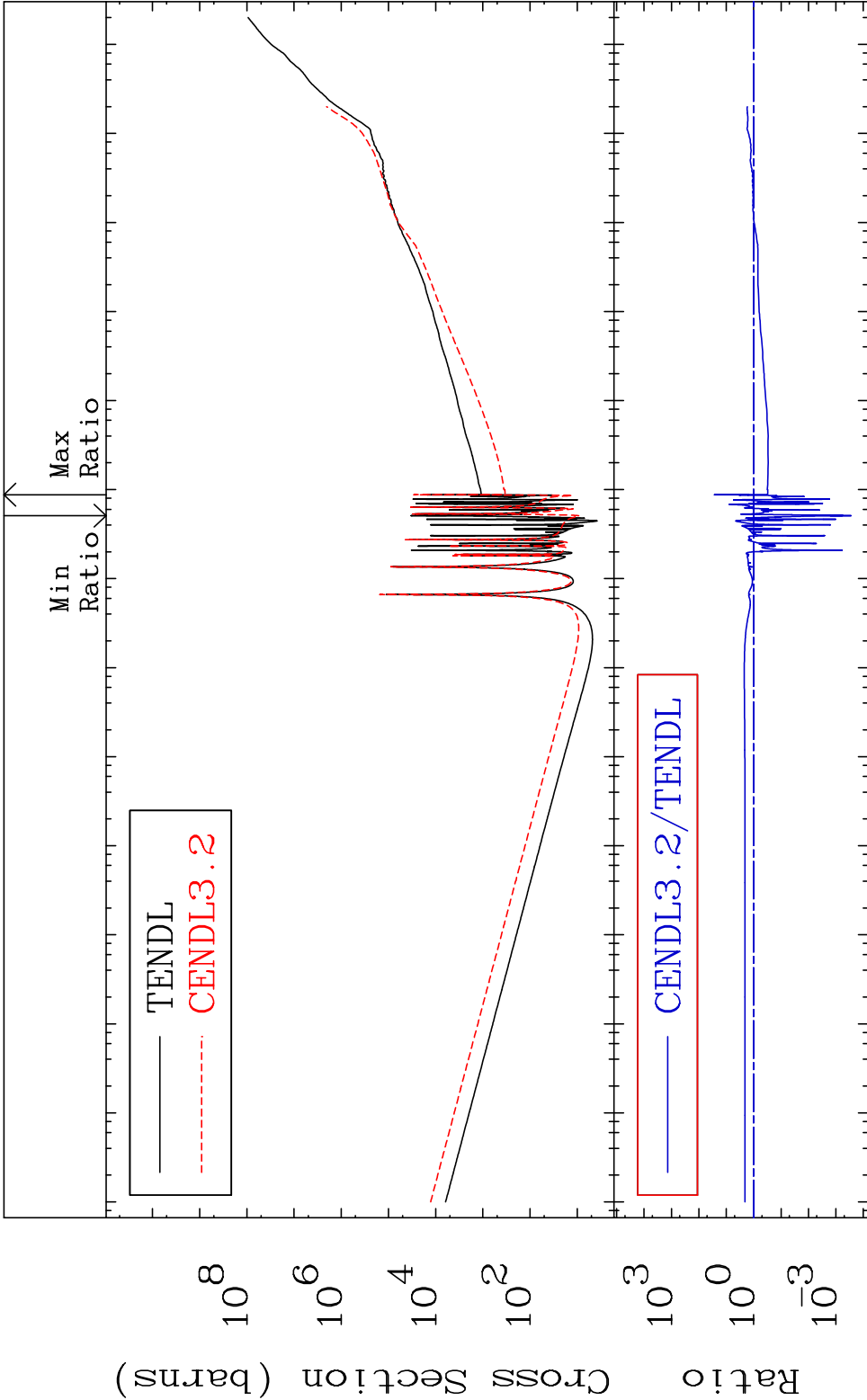
58-Ce-136

Cross Section

-99.99 To 5752. %

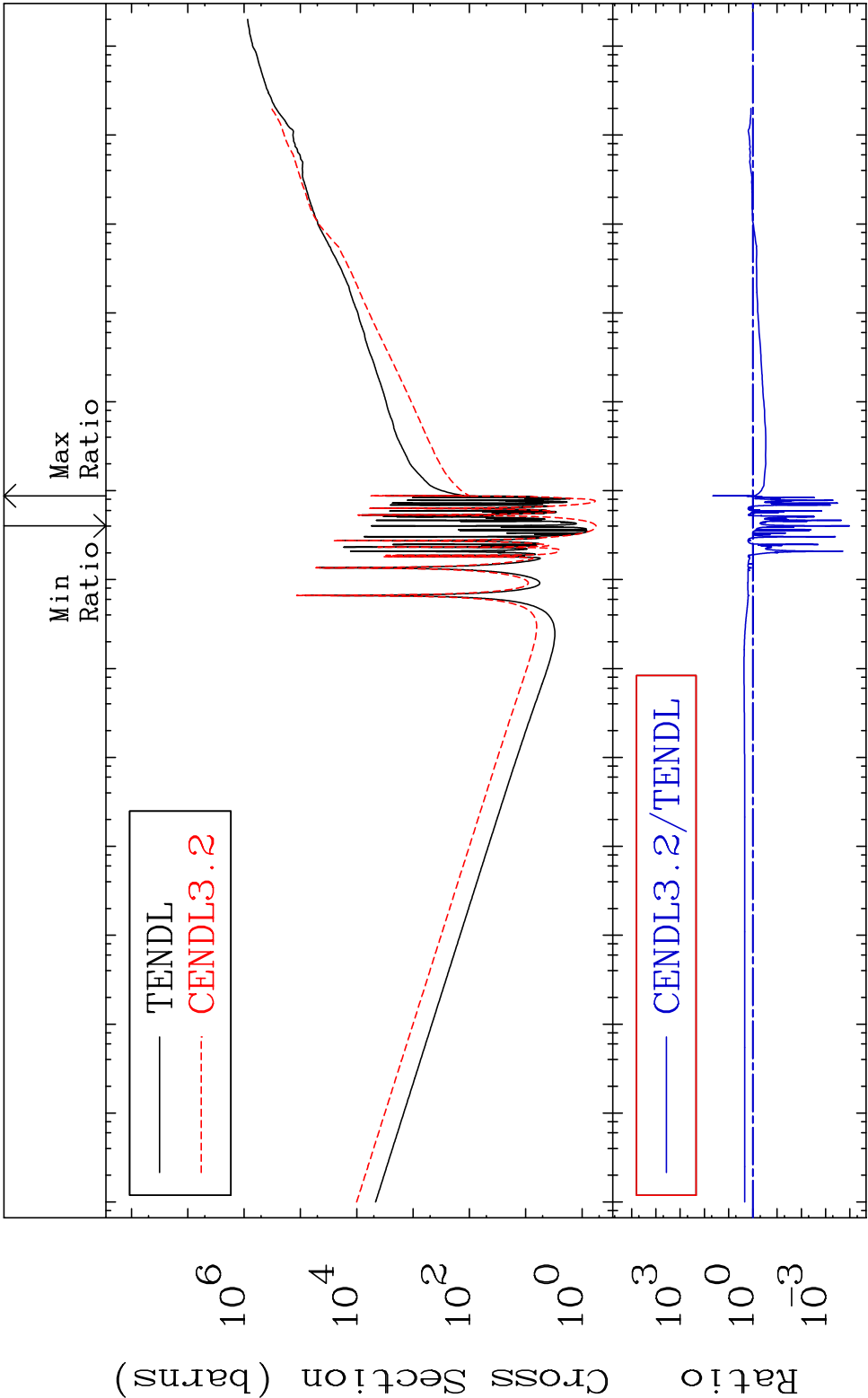


MAT 5825 Total kinematic kerma (high limit) 58-Ce-136
Cross Section -99.97 To 2657. %



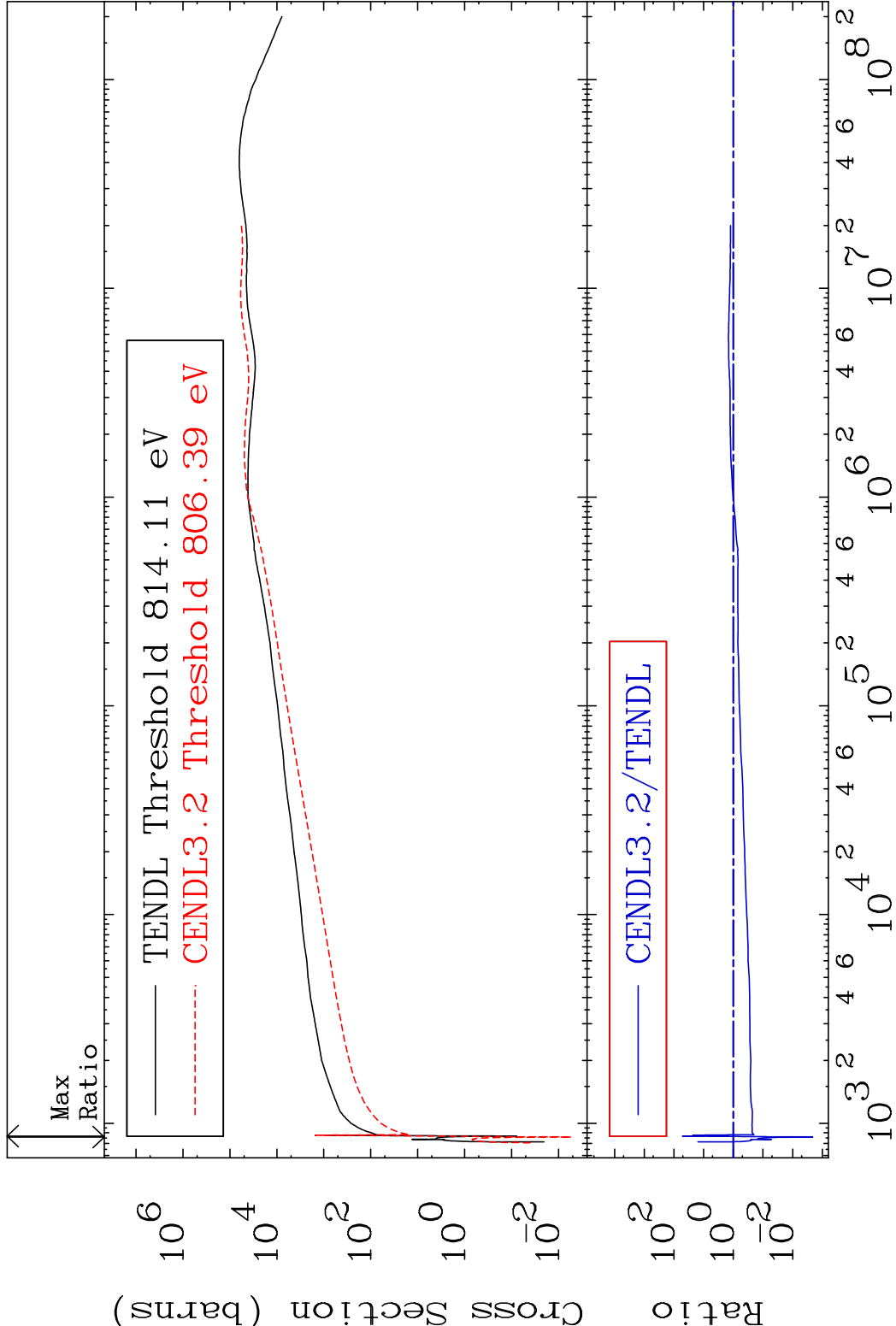
29 Incident Energy (eV) 58-Ce-136

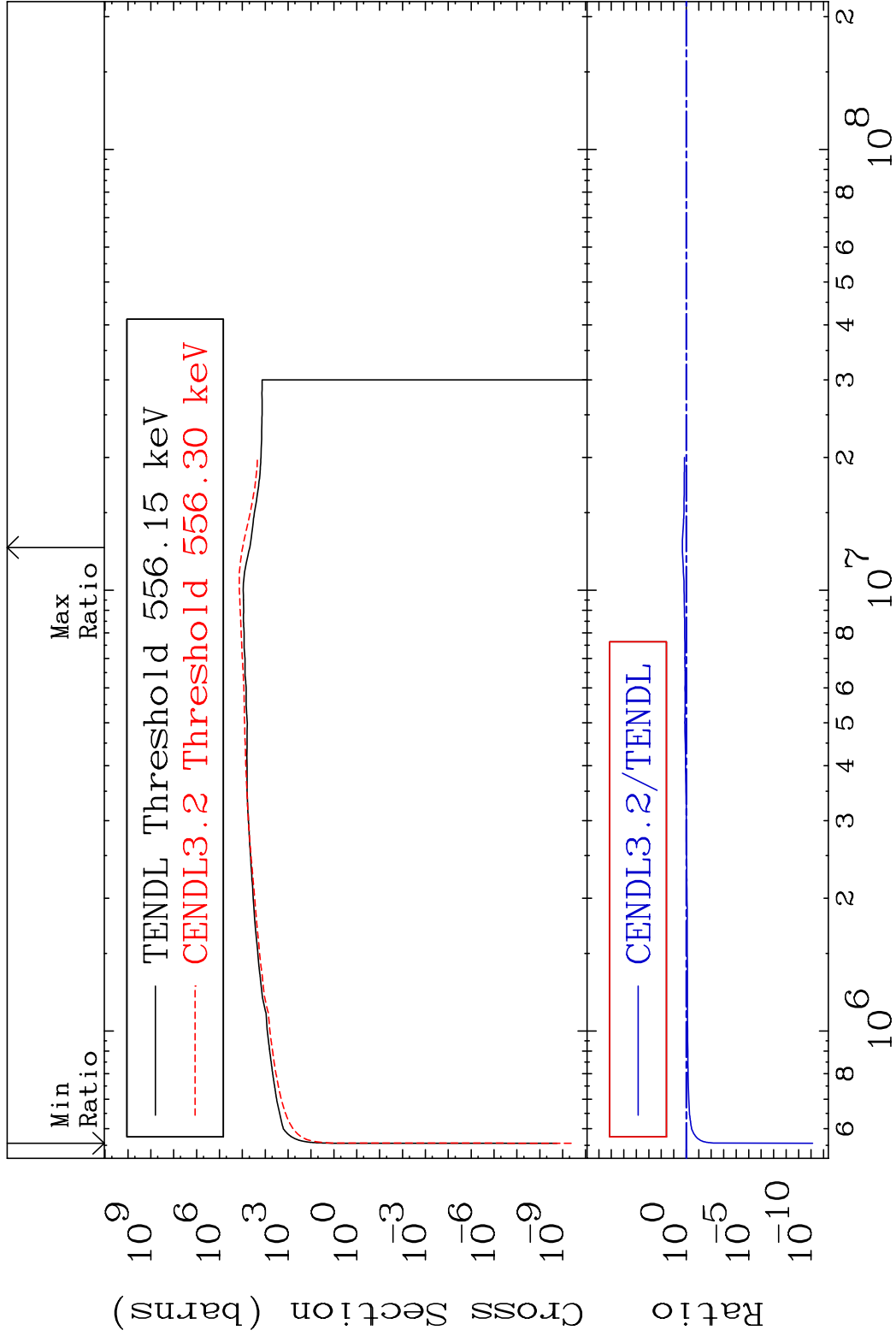
MAT 5825 Dpa total (eV-barns) 58-Ce-136
Cross Section -99.99 To 4391. %



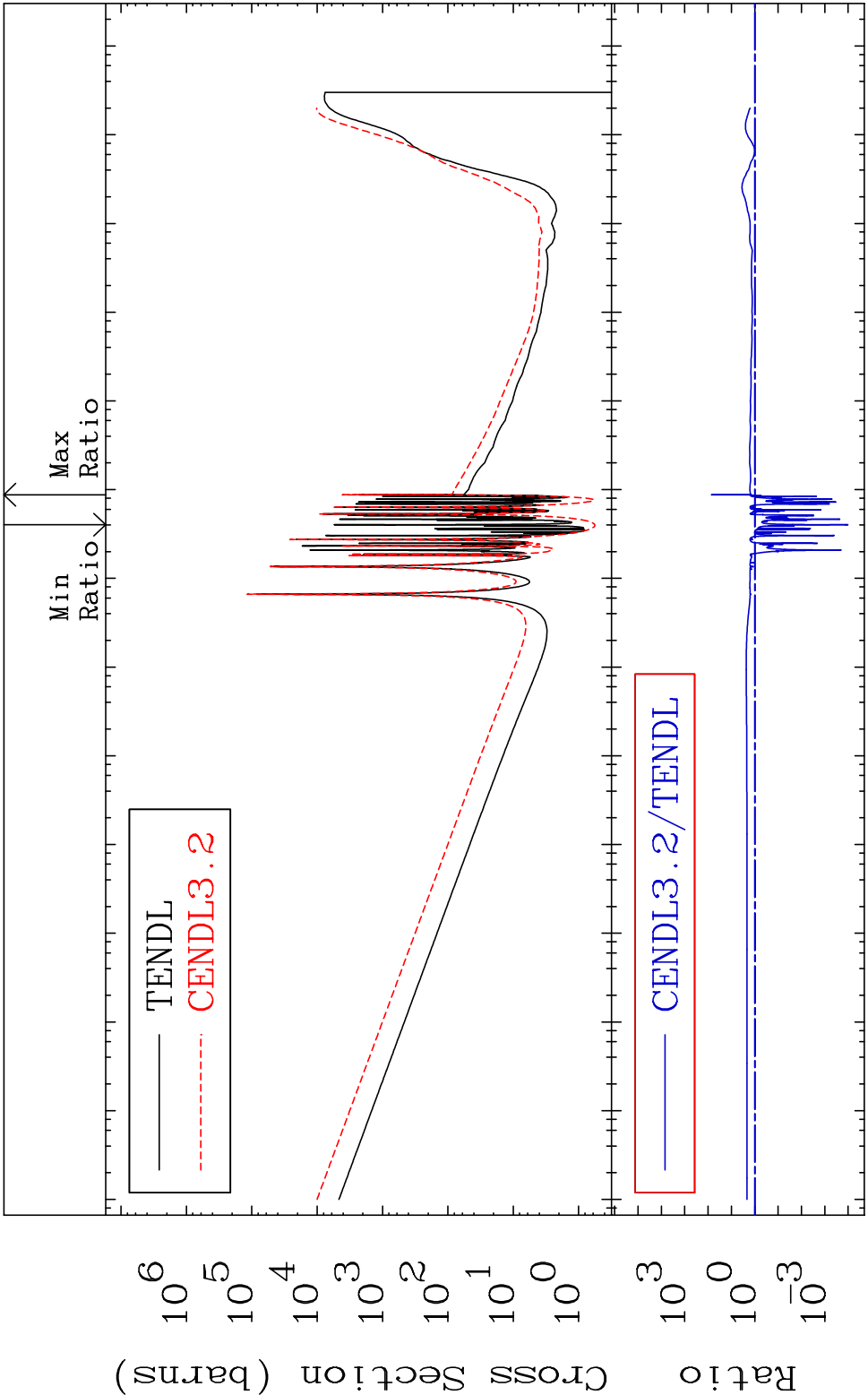
30 Incident Energy (eV) 58-Ce-136

MAT 5825 Dpa elastic (mt2) 58-Ce-136
Cross Section -99.79 To 5126. %

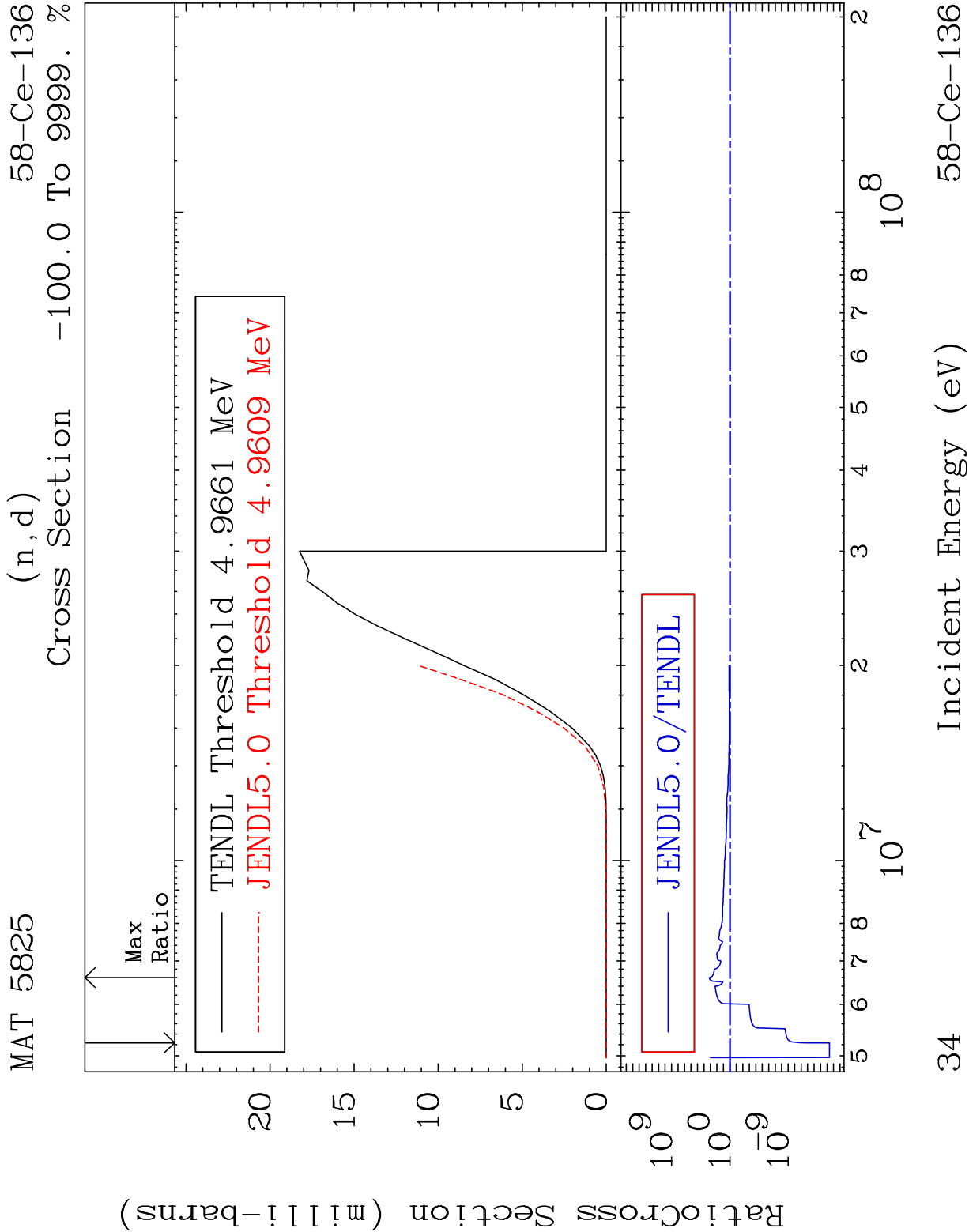


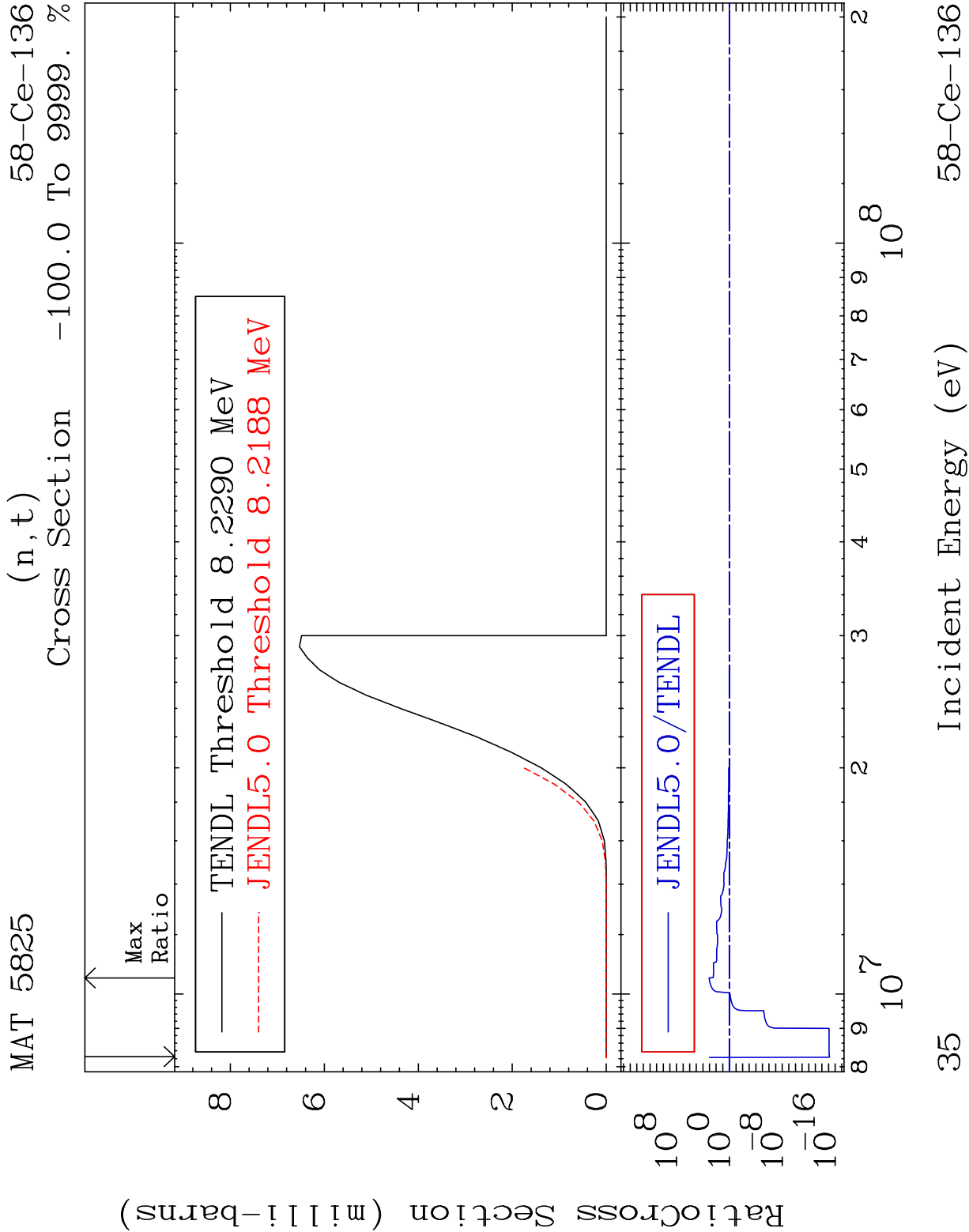


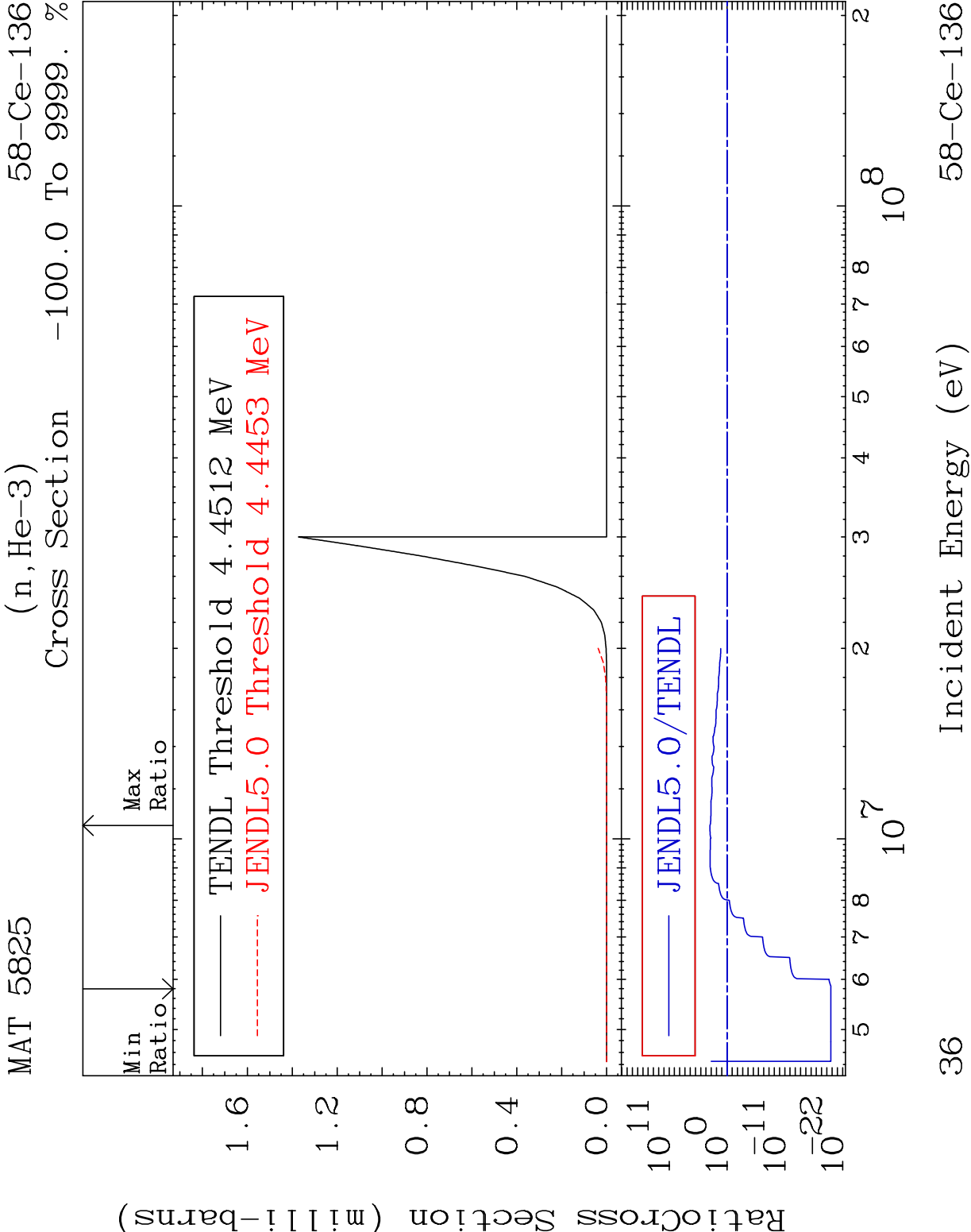
MAT 5825 Dpa disappearance (mt102 -120) 58-Ce-136
 Cross Section -99.99 To 7142. %

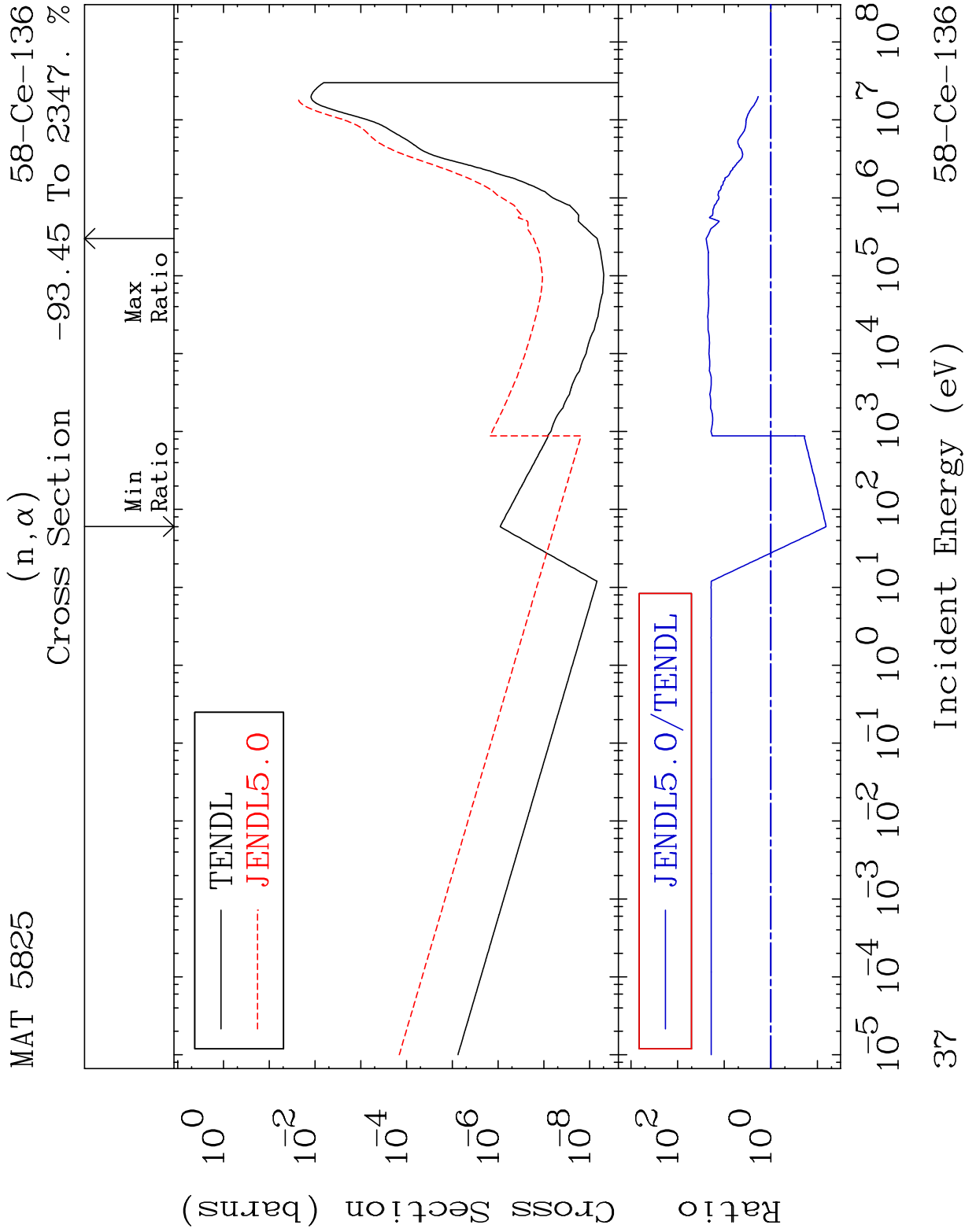


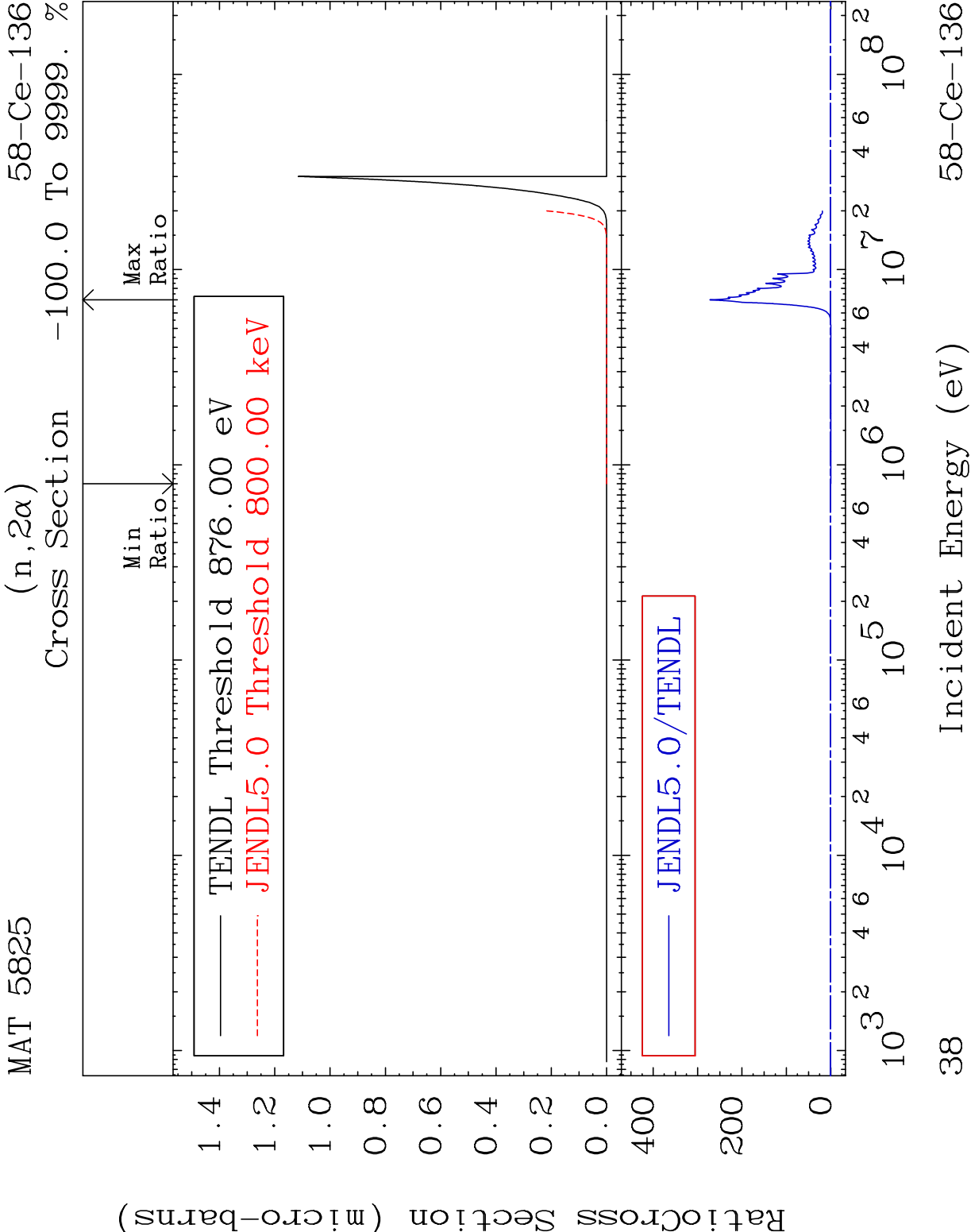
33 Incident Energy (eV) 58-Ce-136

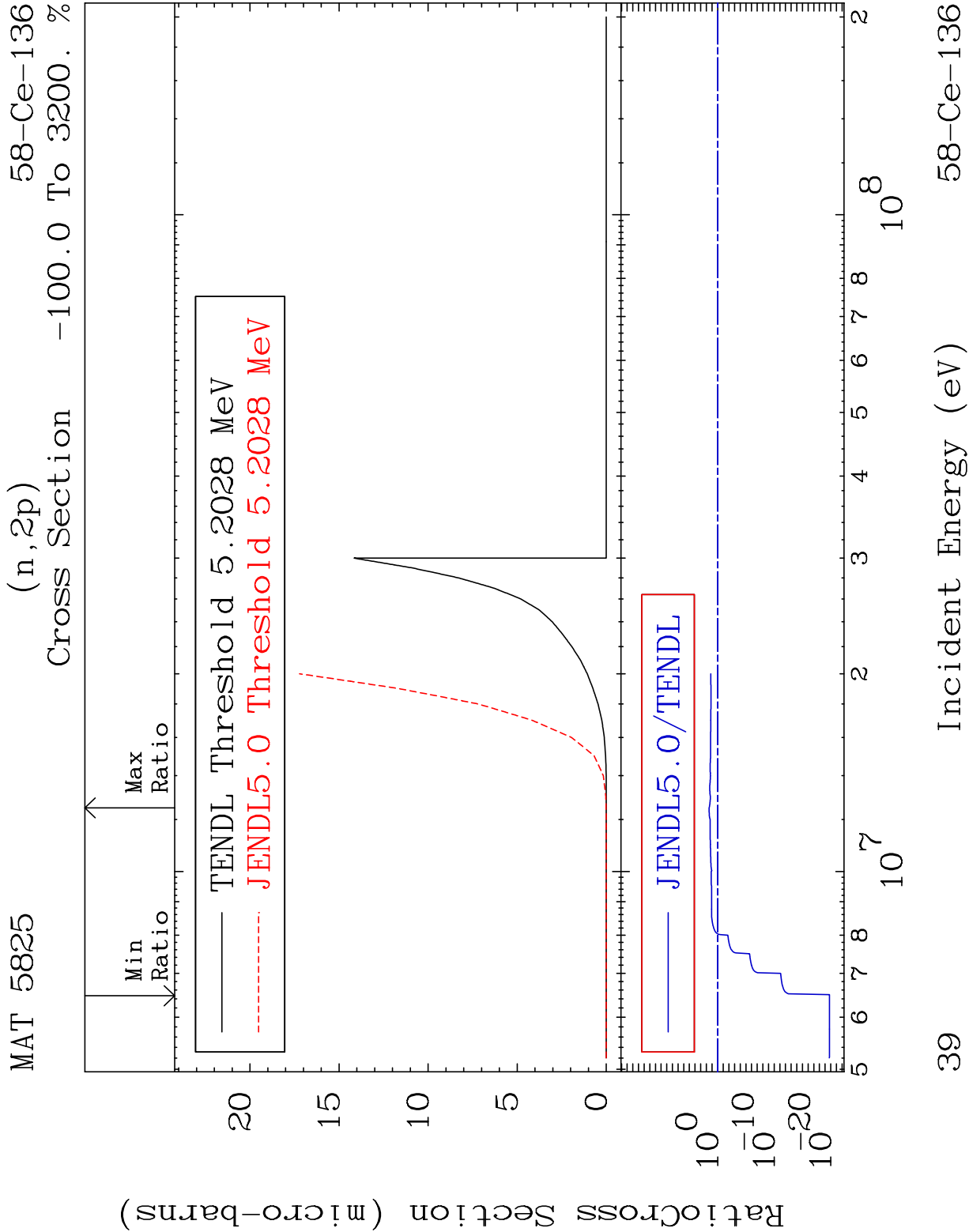










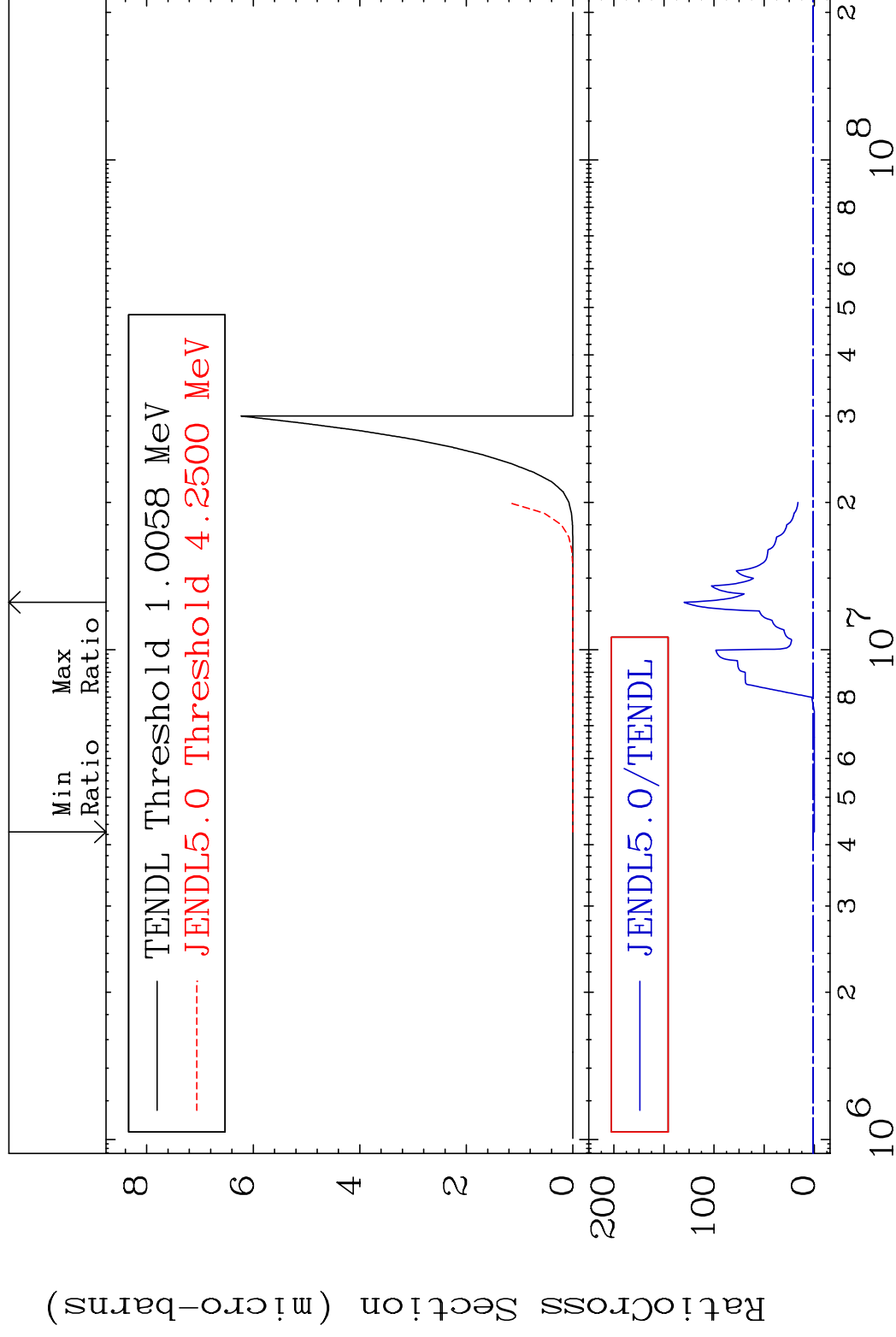


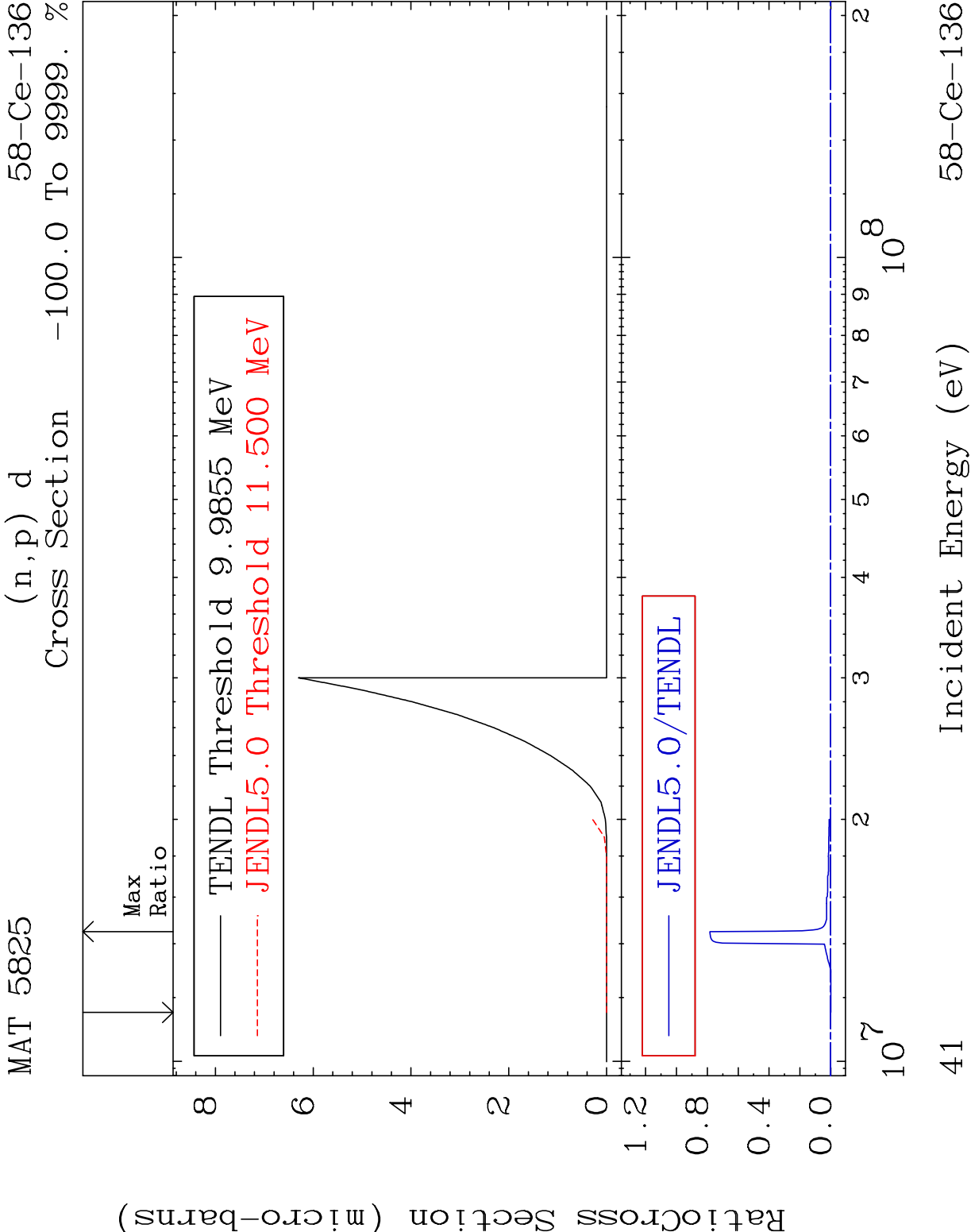
MAT 5825

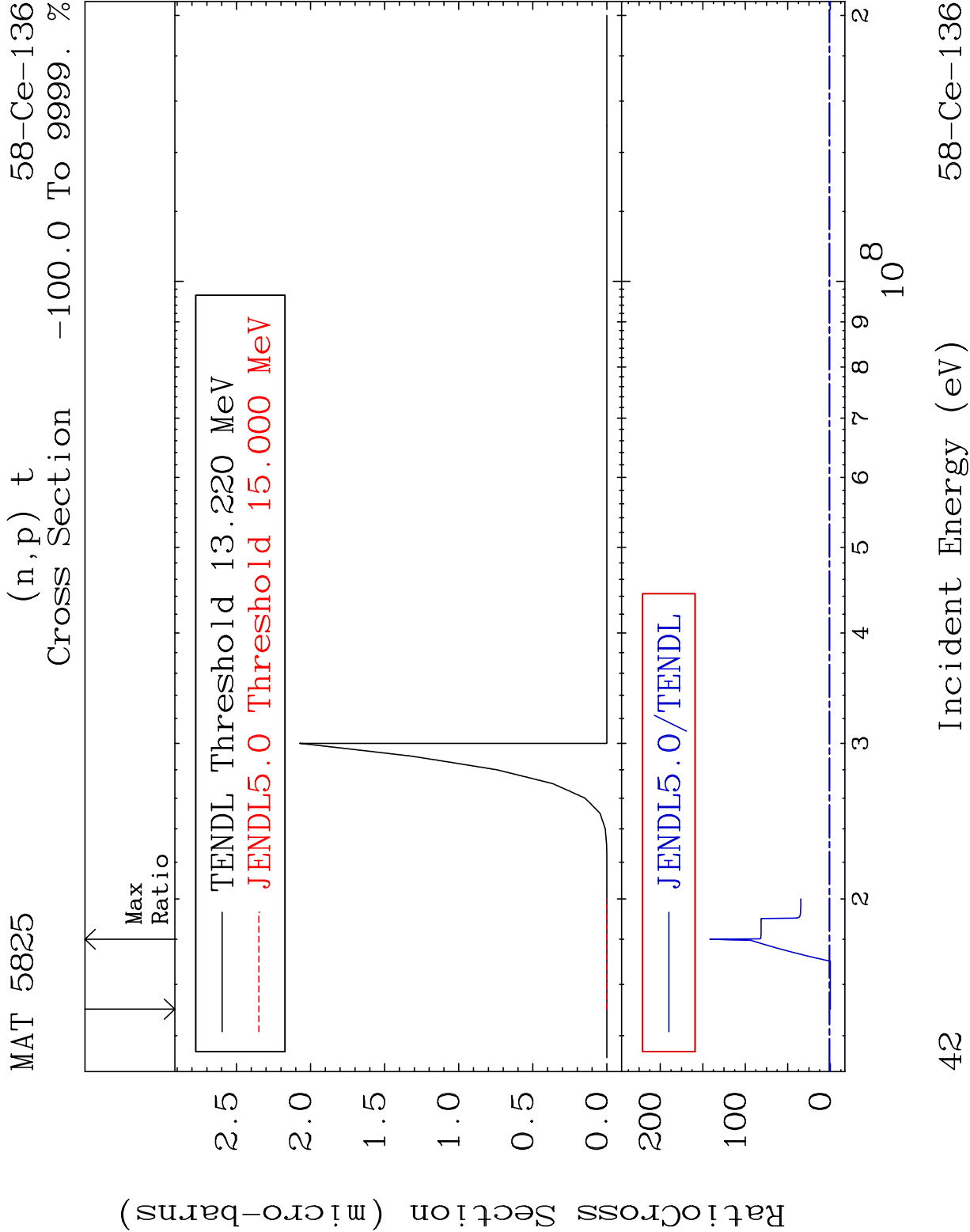
$$(n, p) \propto$$

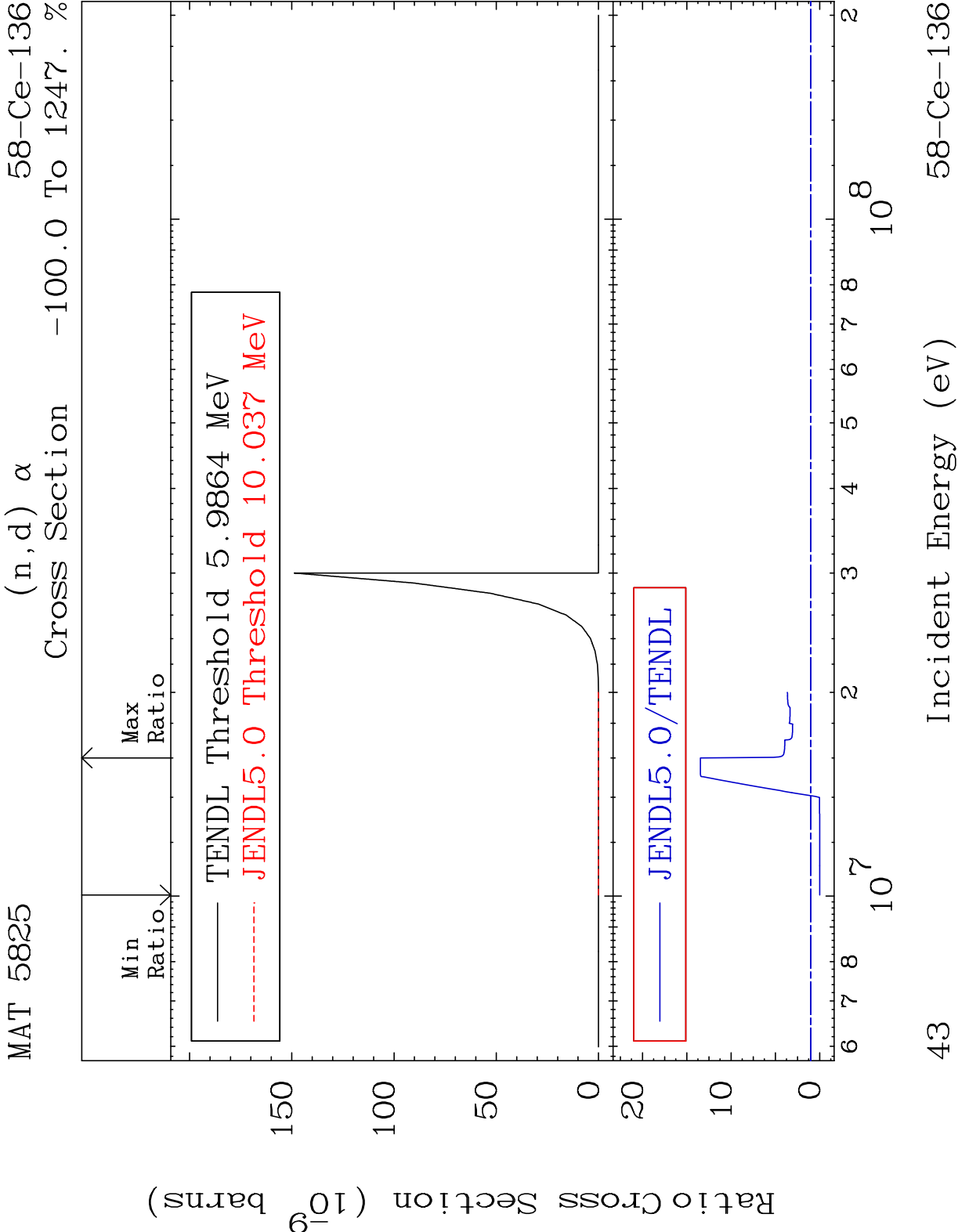
58-Ce-136

Cross Section -100.0 To 9999. %

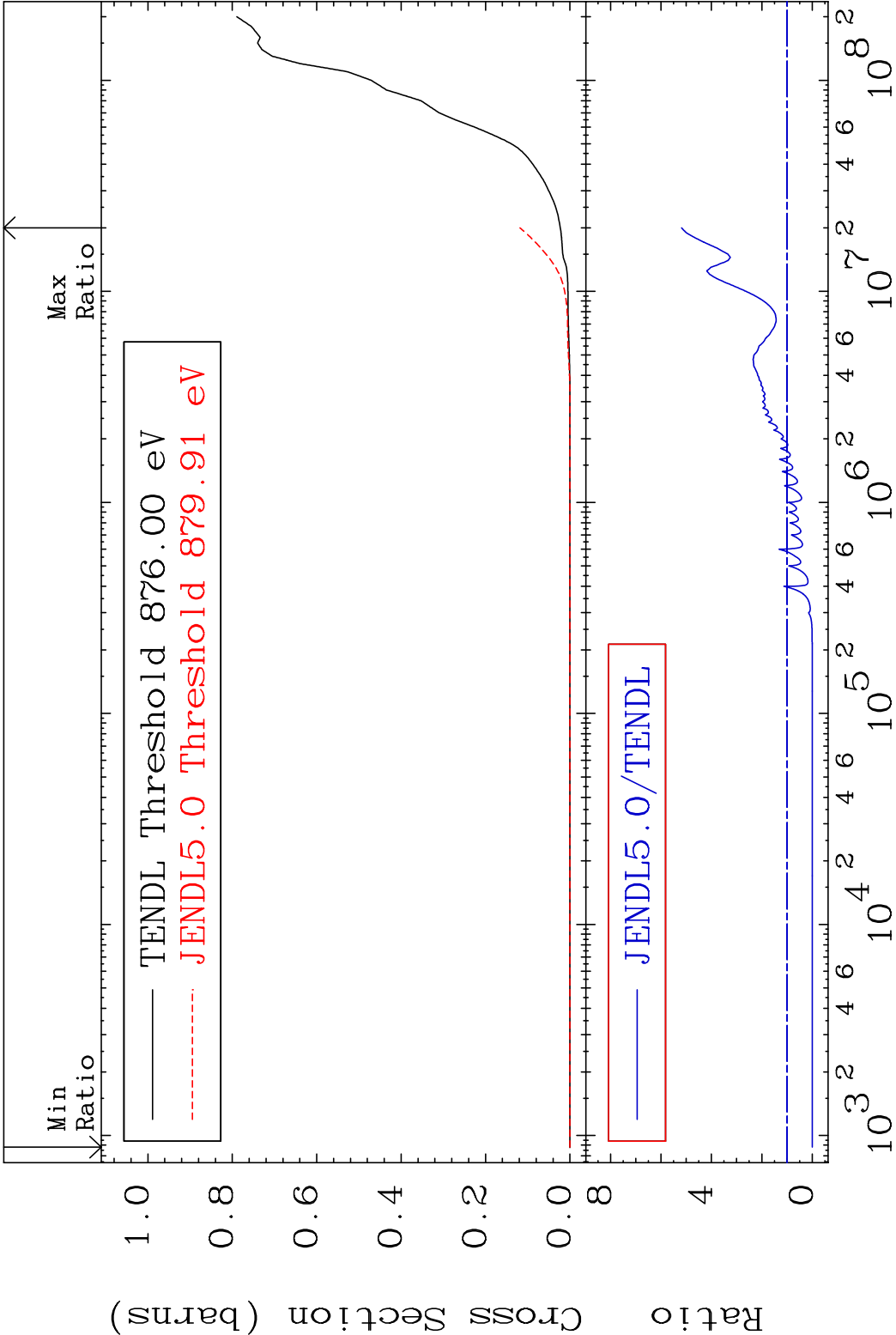




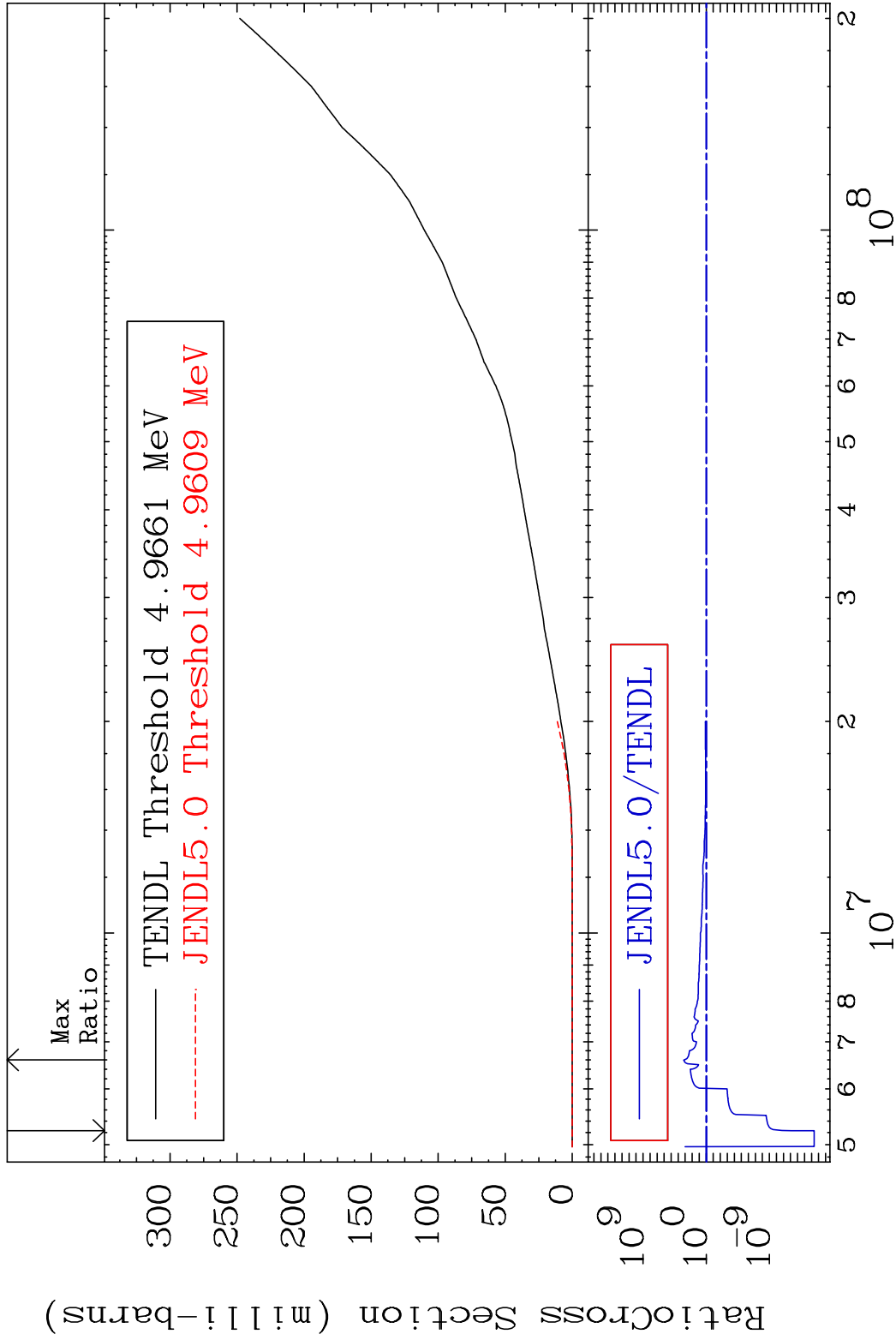




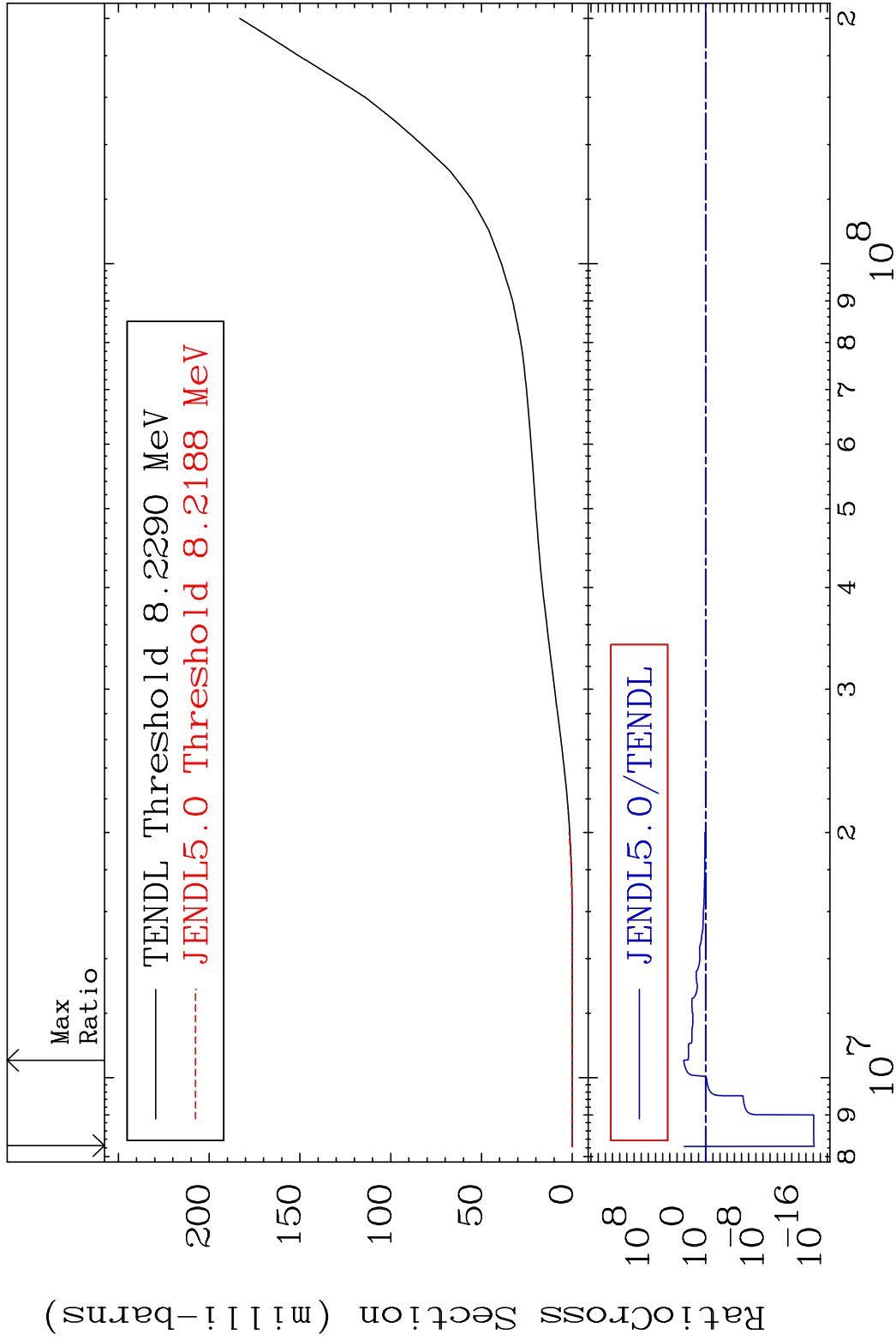
MAT 5825 Hydrogen Production 58-Ce-136
Cross Section -100.0 To 418.5 %



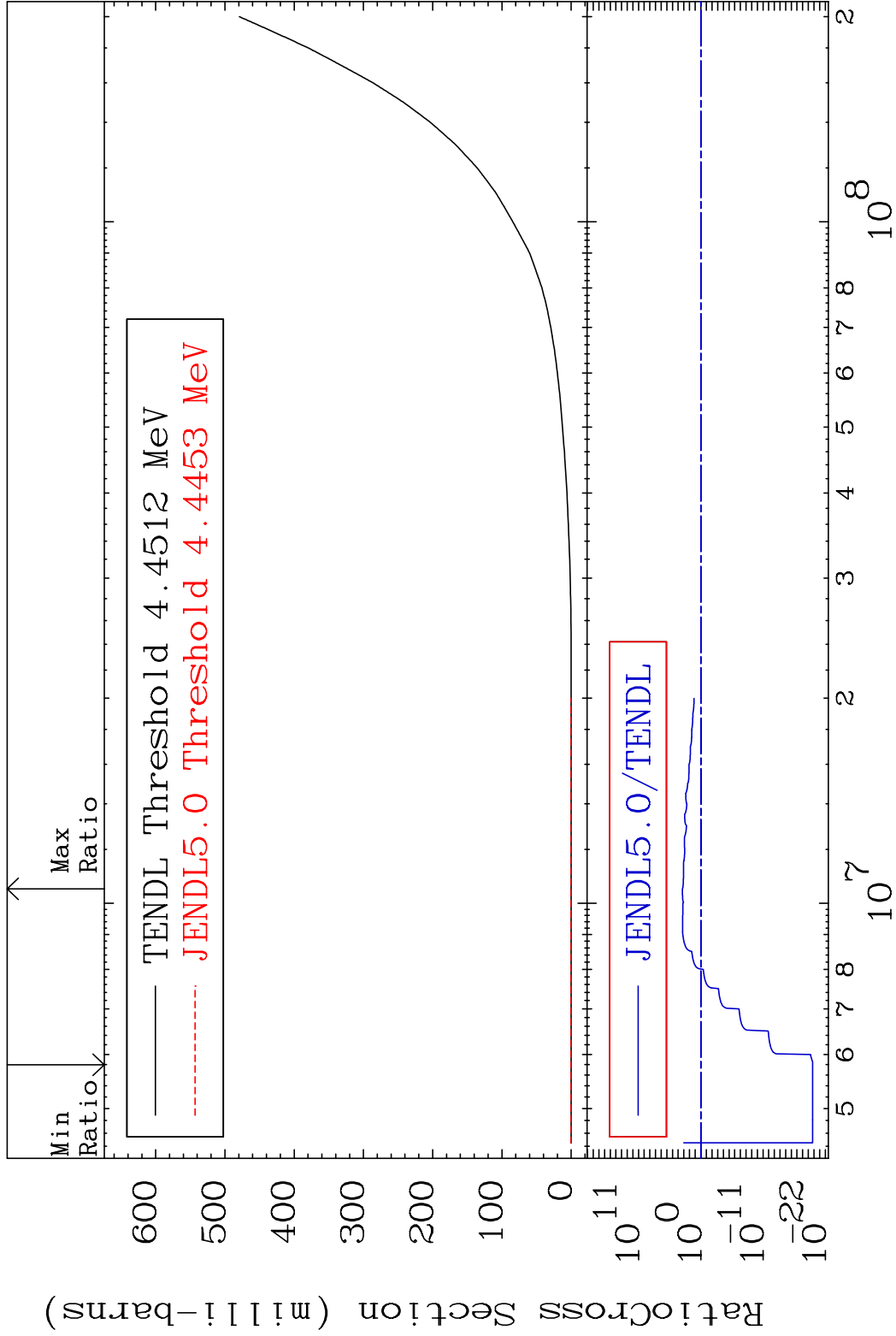
MAT 5825 Deuterium Production 58-Ce-136
Cross Section -100.0 To 9999. %

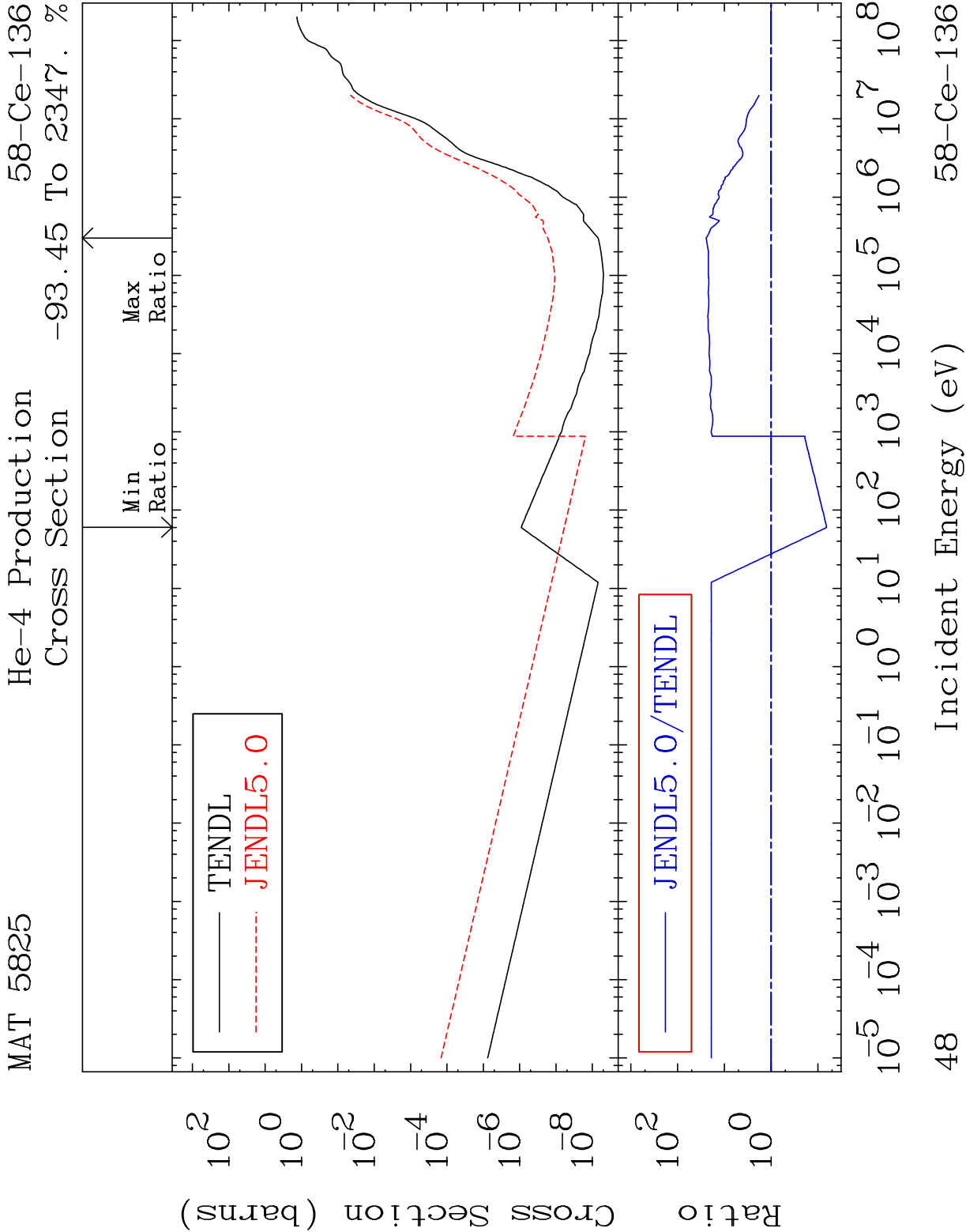


MAT 5825 Tritium Production 58-Ce-136
Cross Section -100.0 To 9999. %

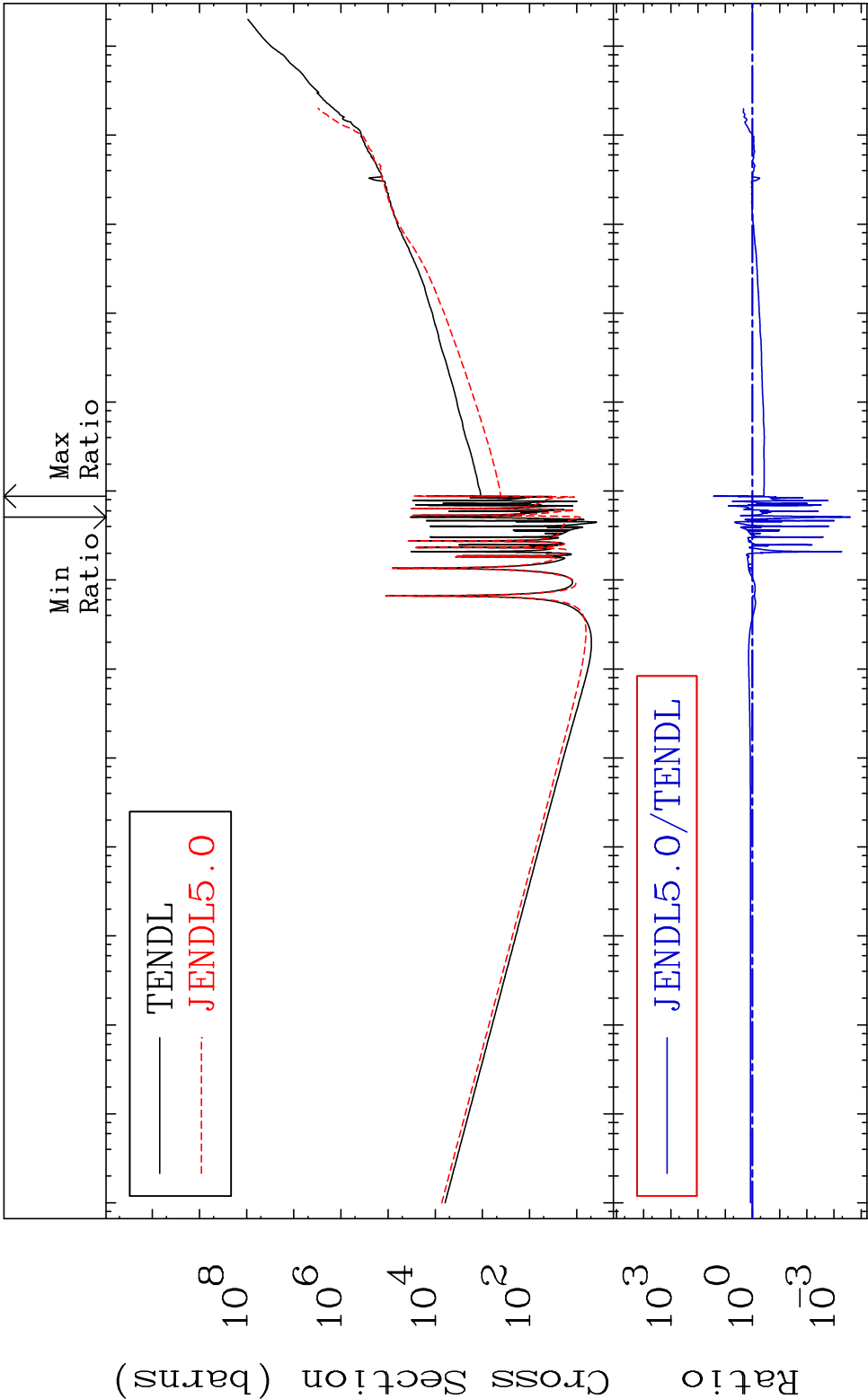


46 Incident Energy (eV) 58-Ce-136





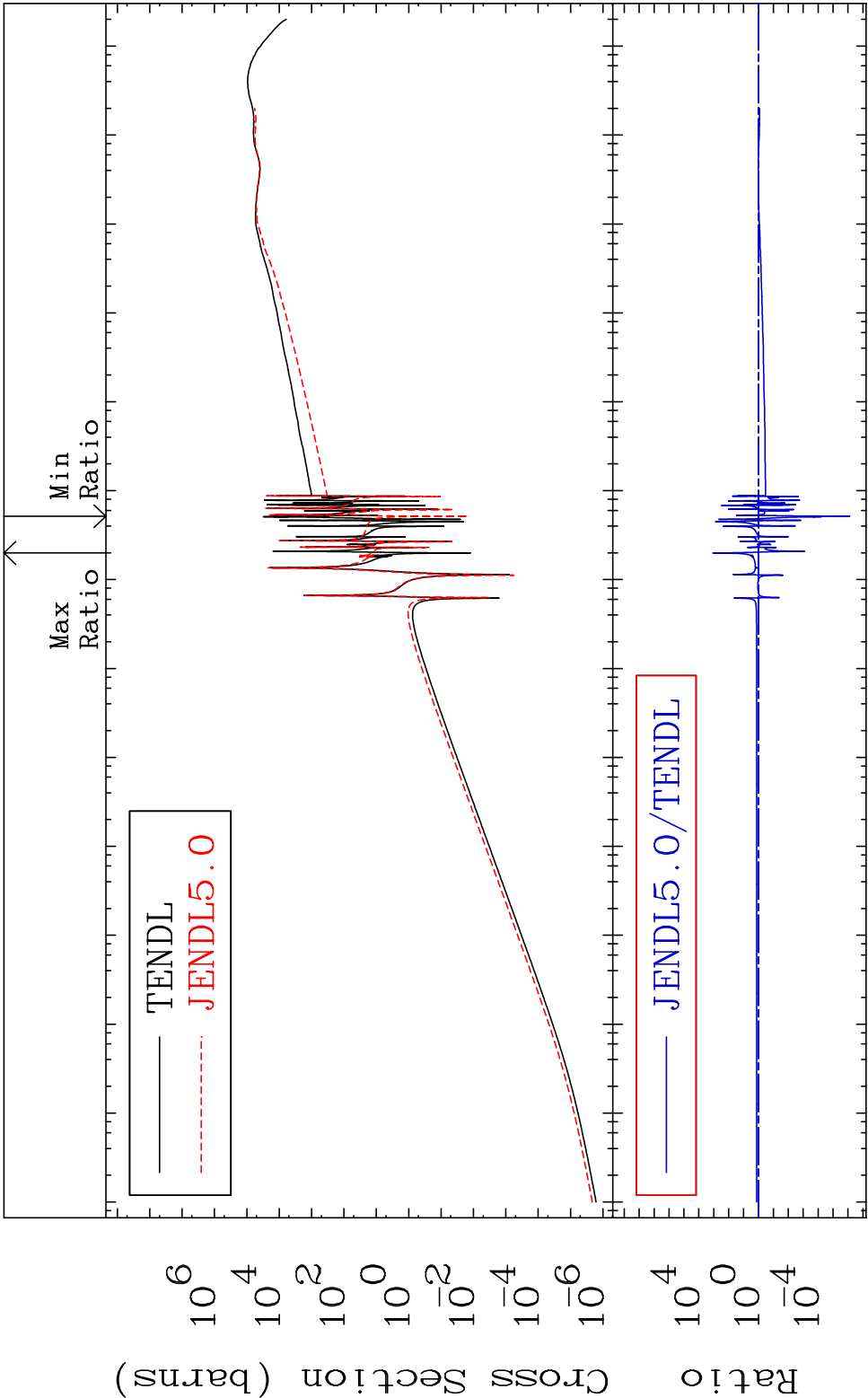
MAT 5825 Kerma total (eV-barns) 58-Ce-136
Cross Section -99.98 To 2595. %



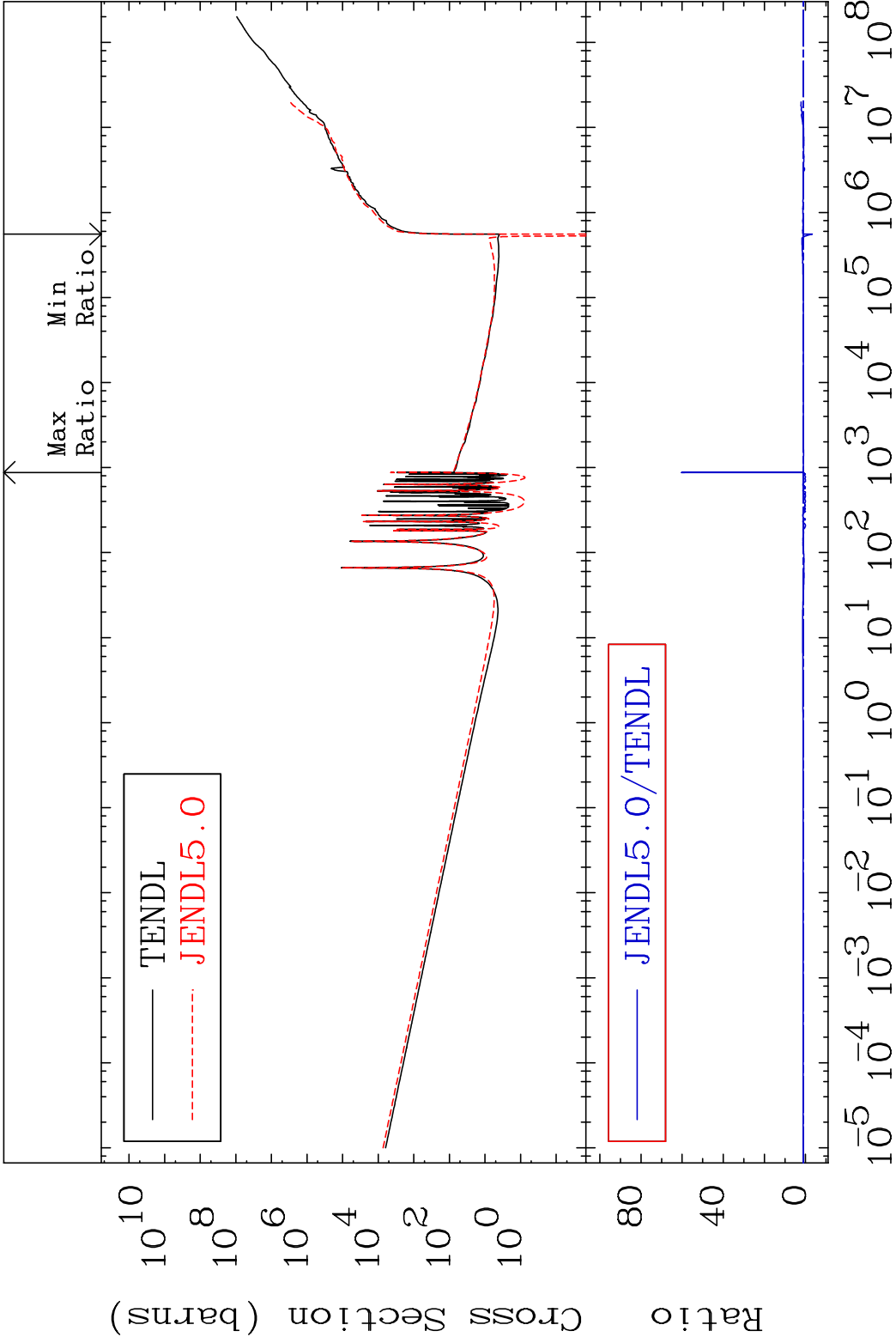
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

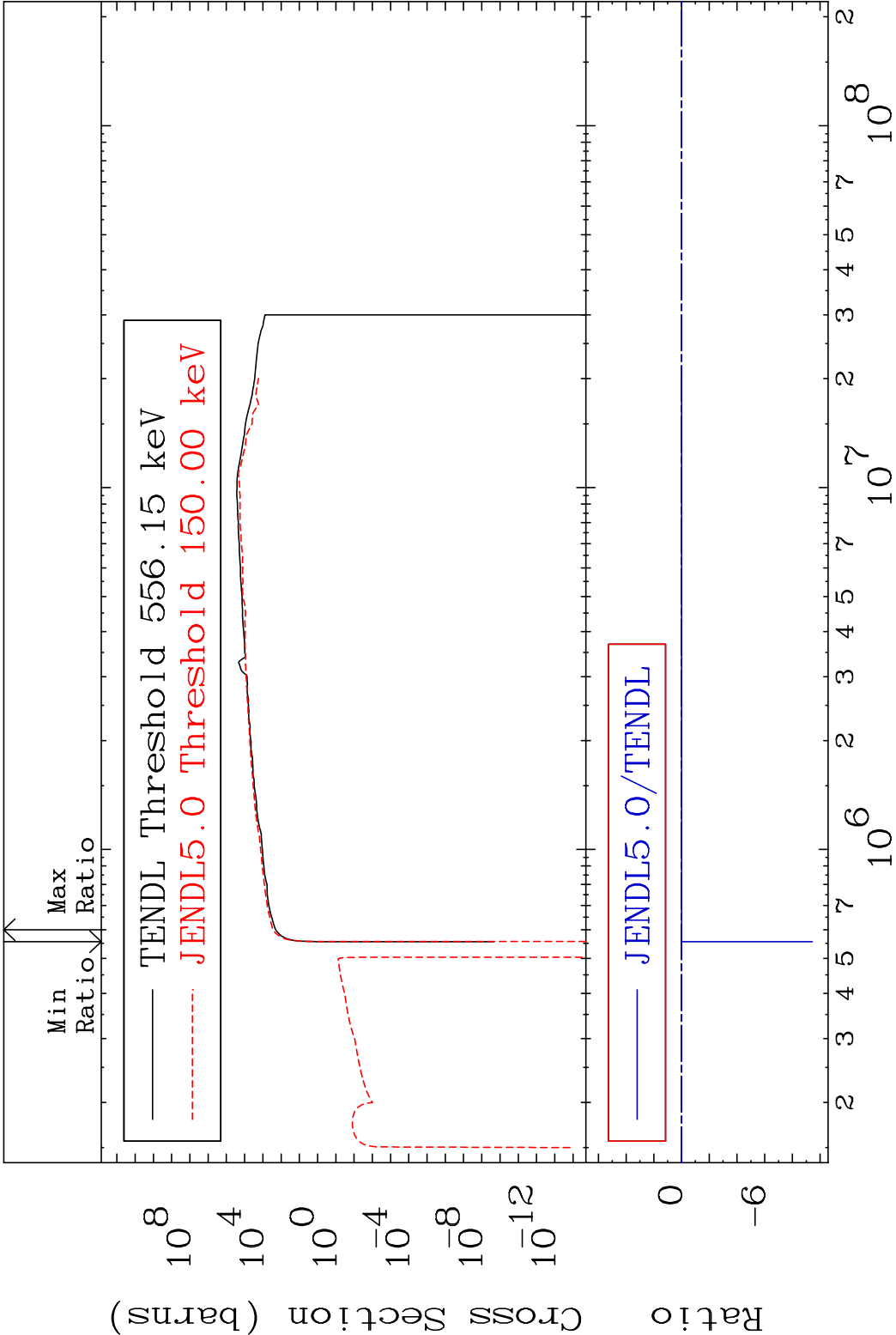
49 Incident Energy (eV) 58-Ce-136

MAT 5825	Kerma elastic	58-Ce-136
	Cross Section	-100.0 To 9999. %

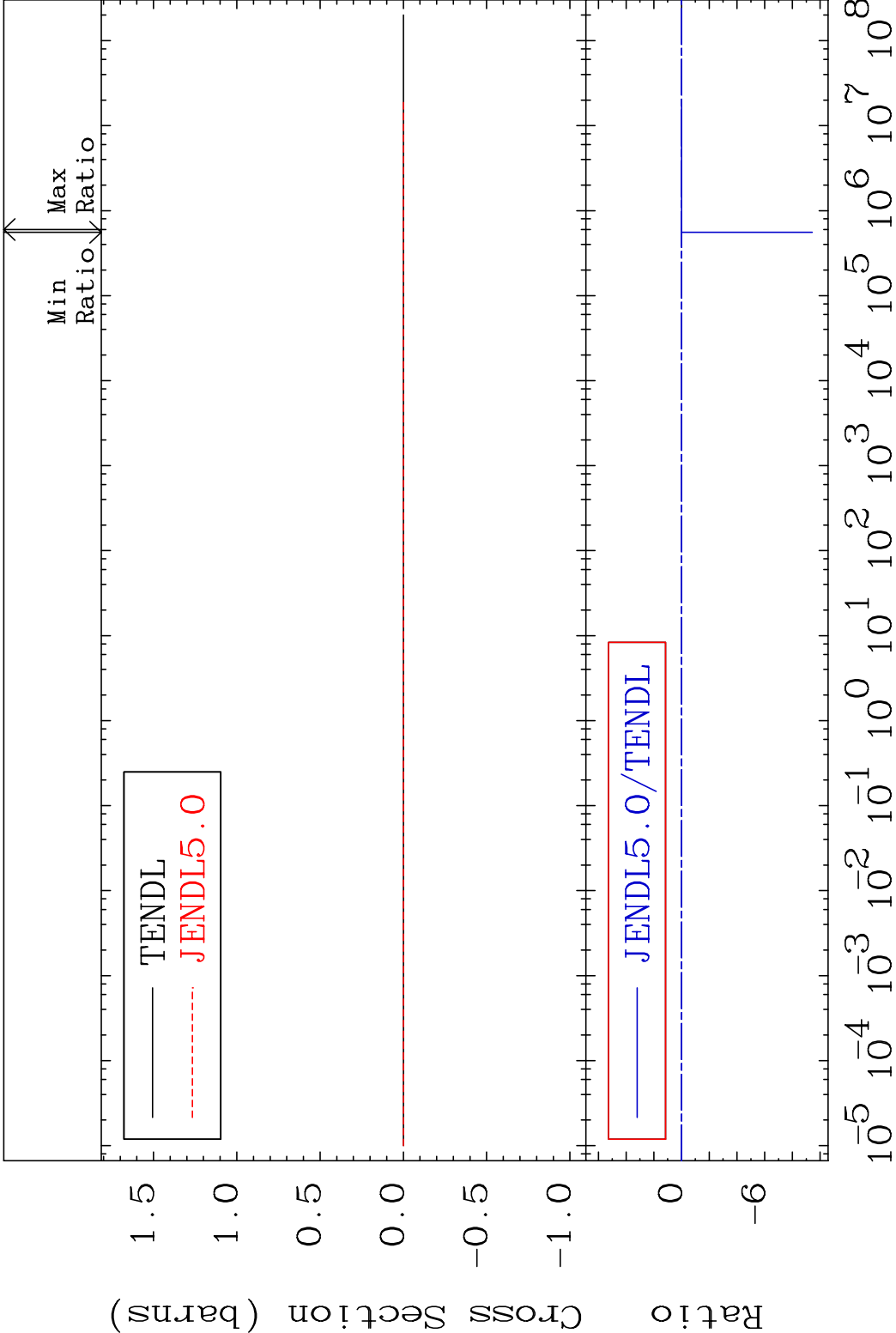


MAT 5825 Kerma non-elastic (all but mt2) 58-Ce-136
Cross Section -426.9 To 5929. %

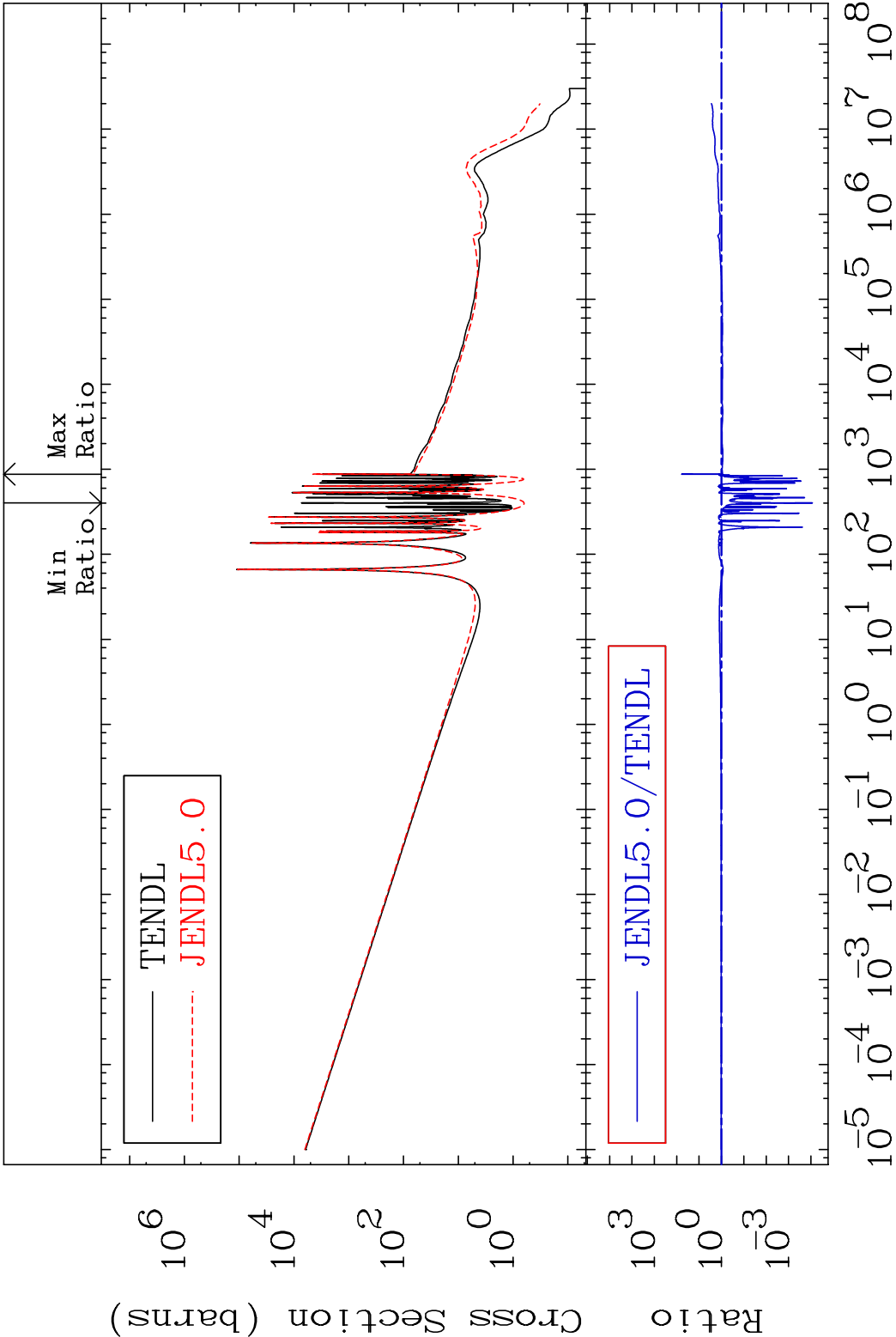




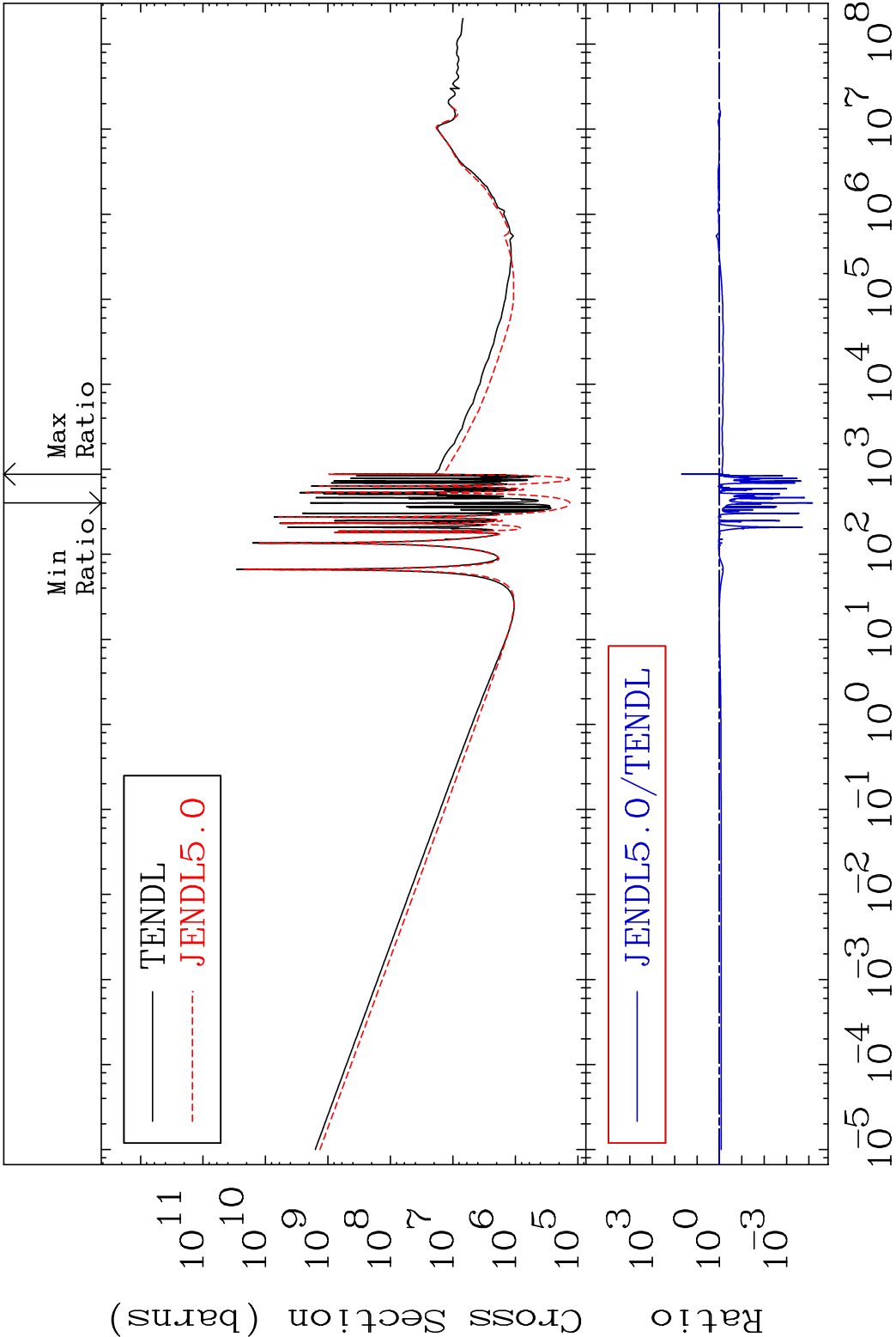
MAT 5825 Kerma fission (mt18 or mt19-20-21-38)58-Ce-136
Cross Section -9999. To 42.33 %



MAT 5825 Kerma capture (mt102) 58-Ce-136
Cross Section -99.99 To 5969. %

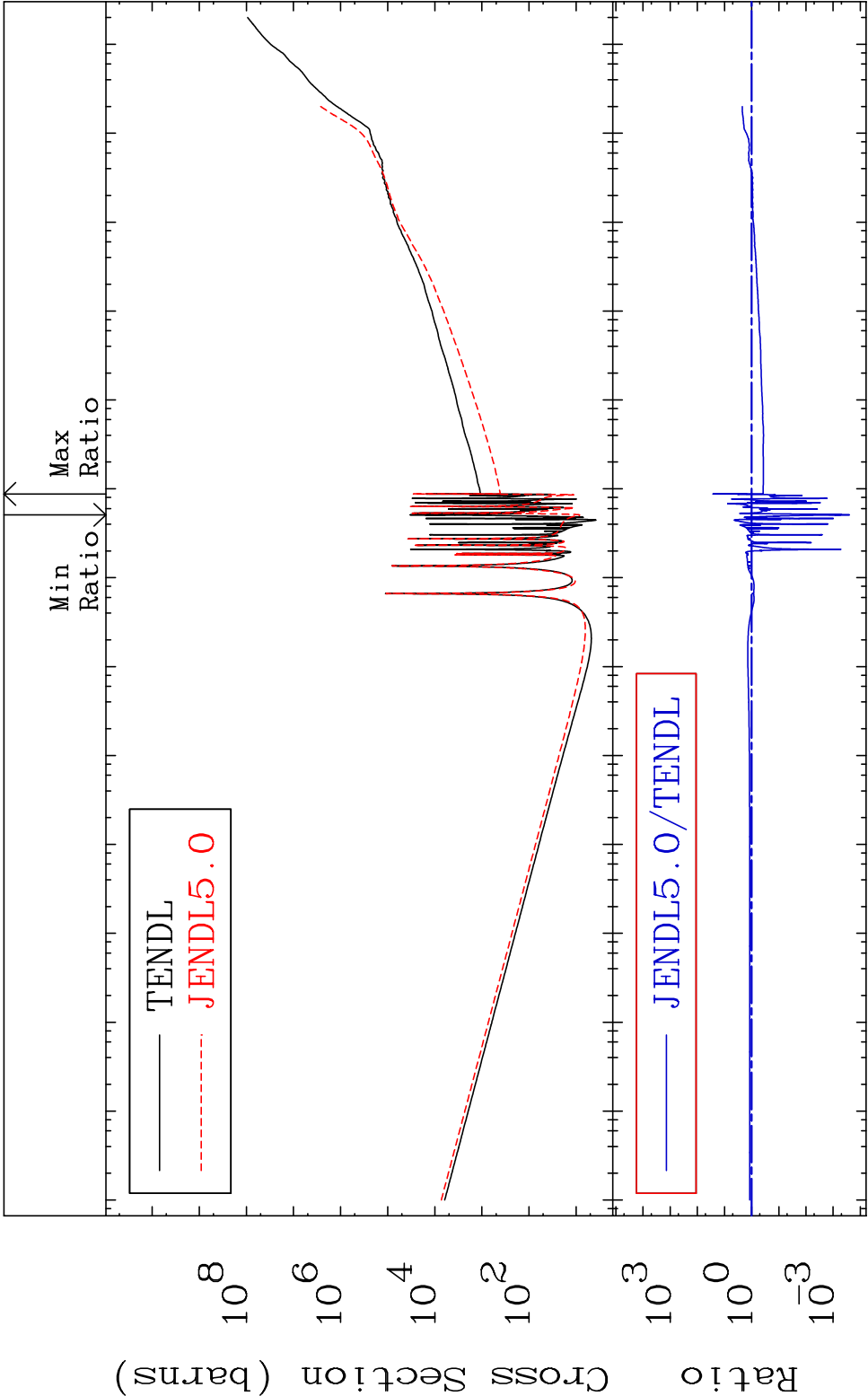


MAT 5825 Total photon (eV-barns) 58-Ce-136
Cross Section -99.99 To 4841. %



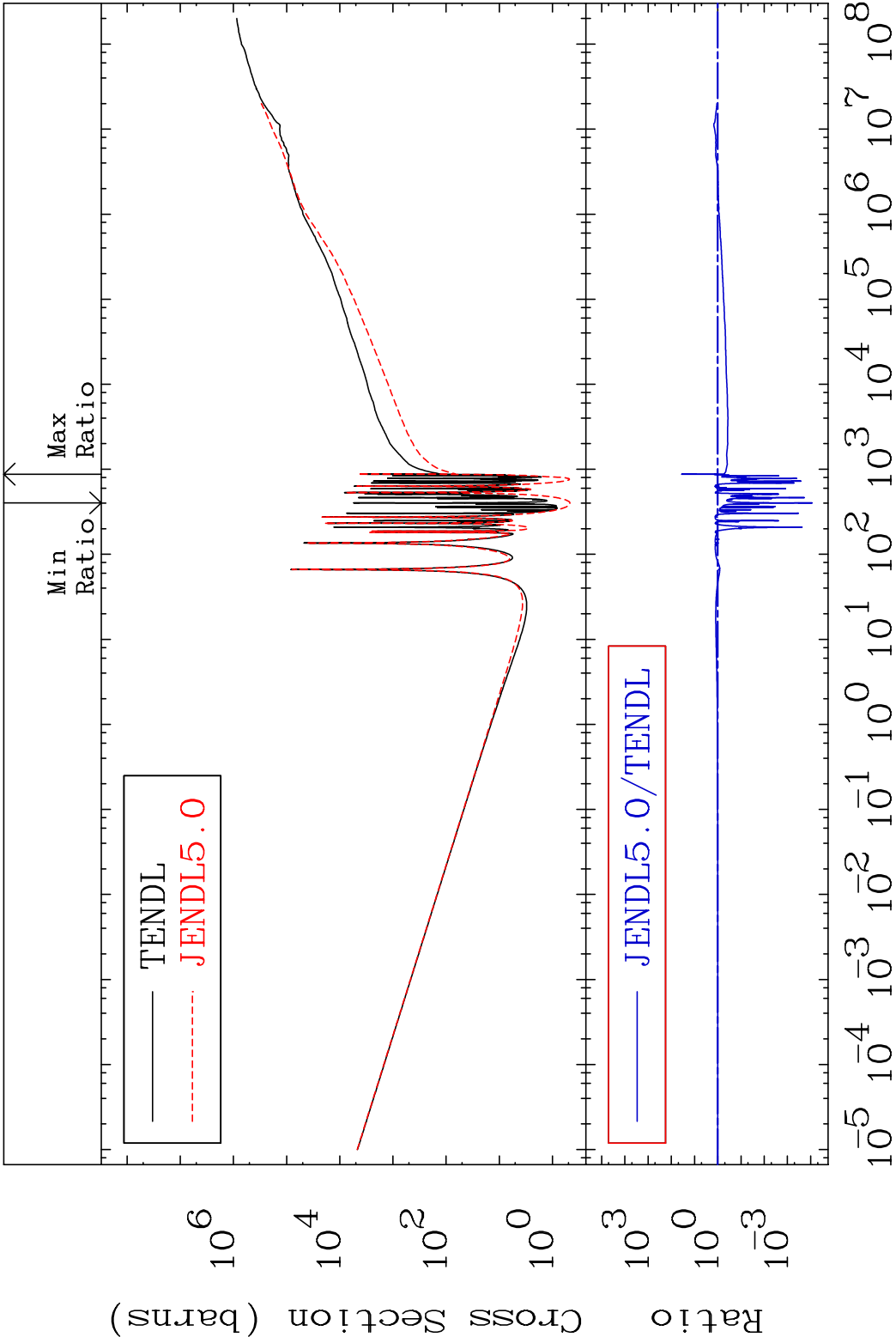
55 Incident Energy (eV) 58-Ce-136

MAT 5825 Total kinematic kerma (high limit) 58-Ce-136
Cross Section -99.98 To 2595. %



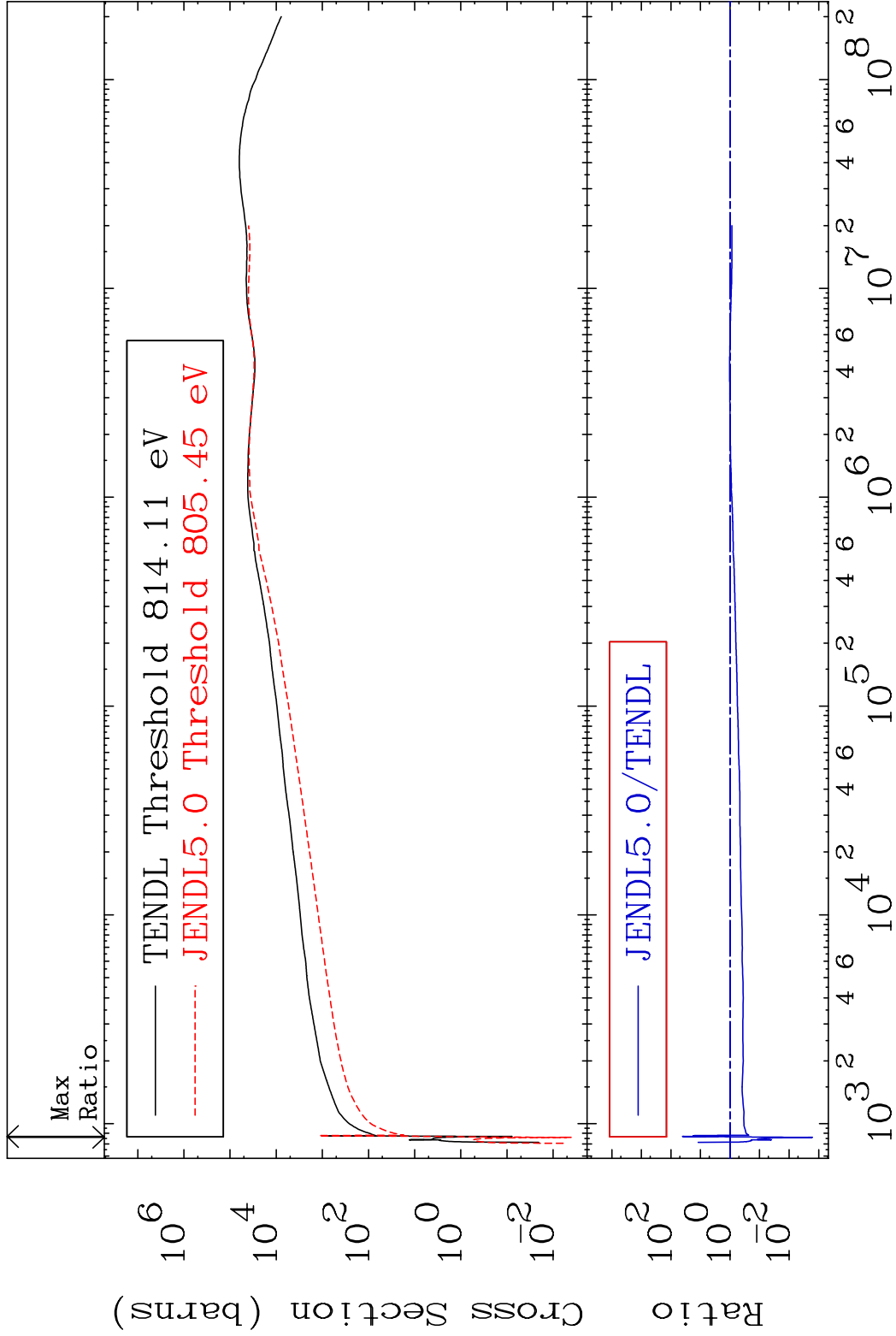
Incident Energy (eV) 58-Ce-136

MAT 5825 Dpa total (eV-barns) 58-Ce-136
Cross Section -99.99 To 3525. %

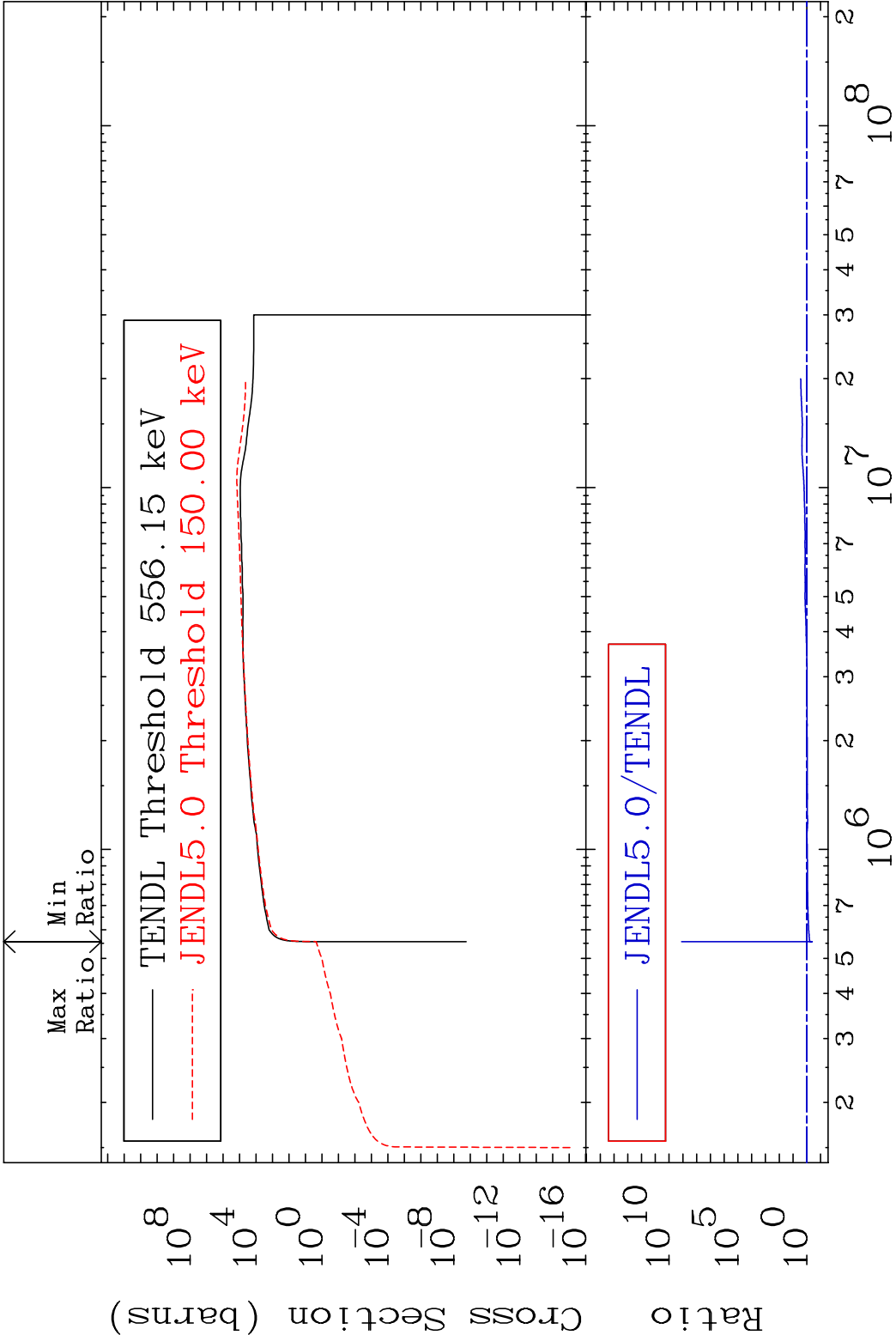


57 Incident Energy (eV) 58-Ce-136

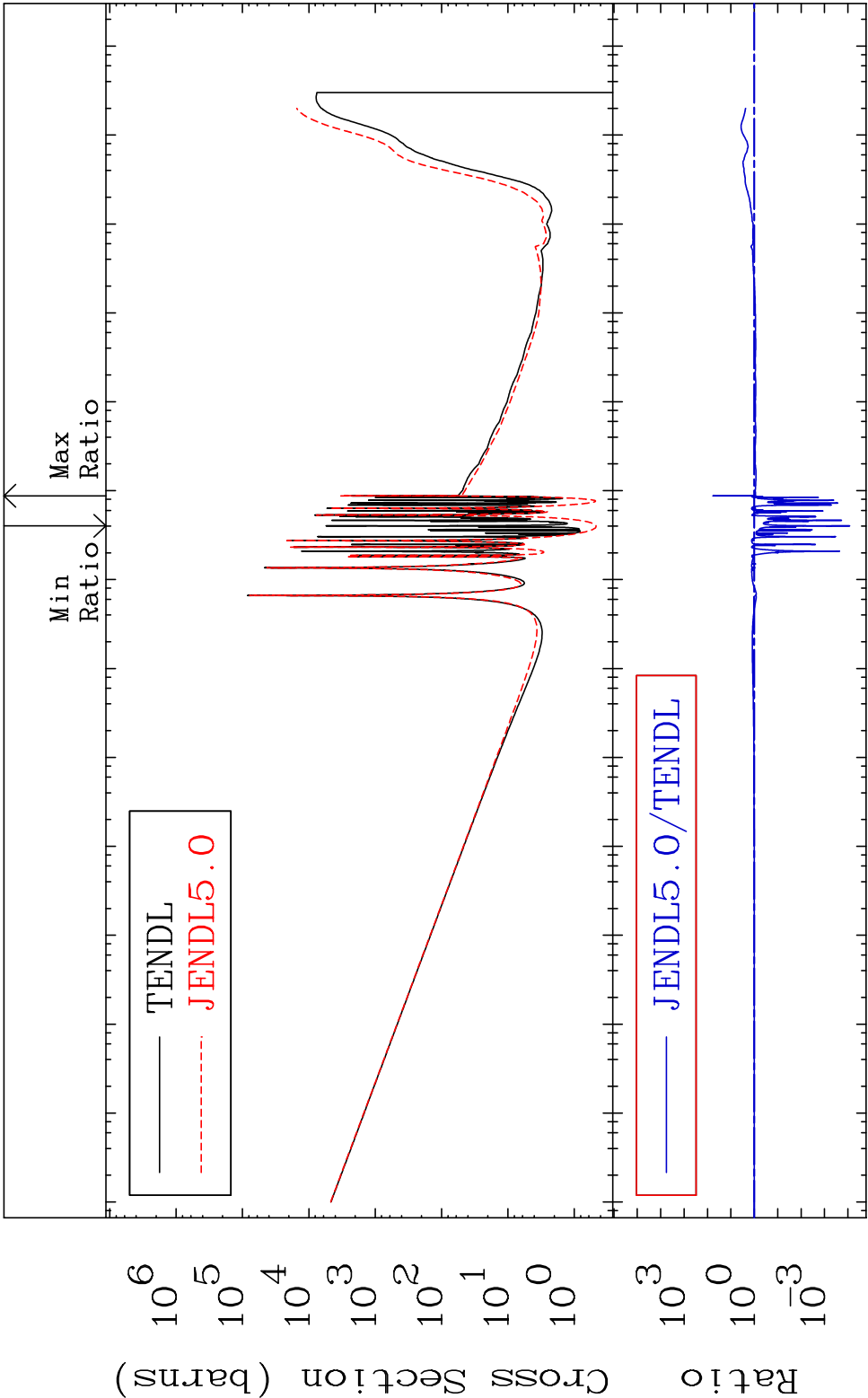
MAT 5825 Dpa elastic (mt2) 58-Ce-136
Cross Section -99.84 To 4010. %



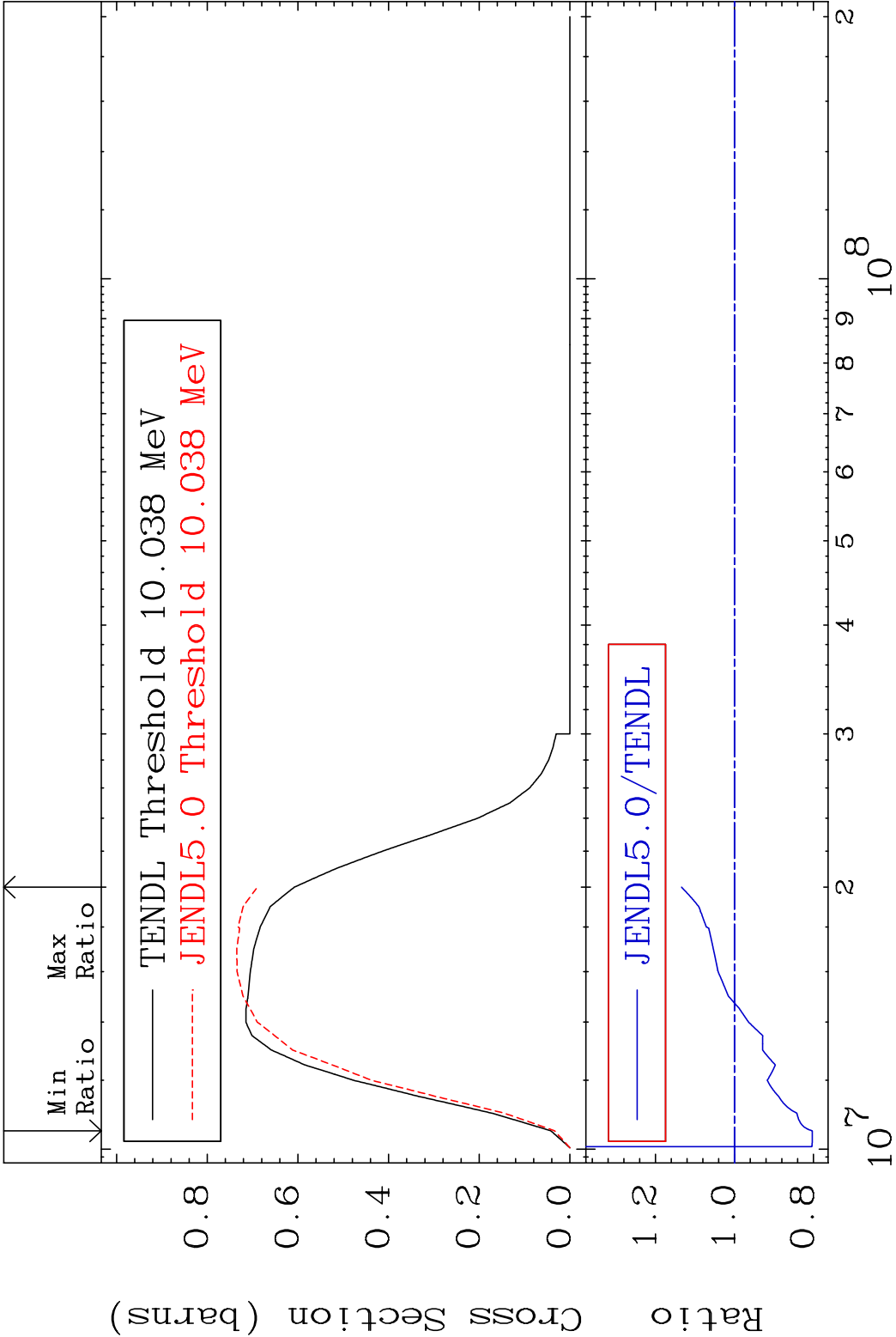
58 Incident Energy (eV) 58-Ce-136

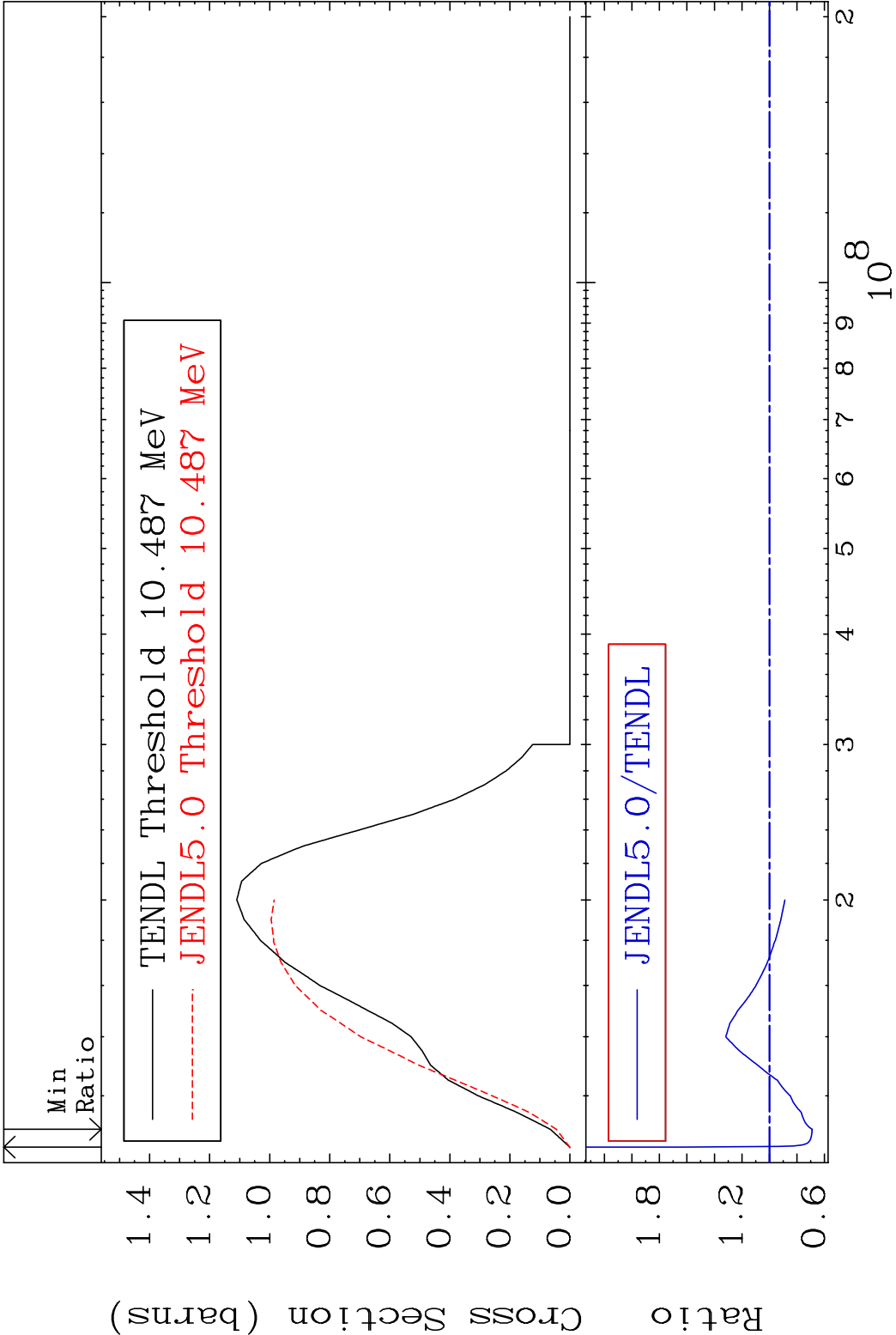


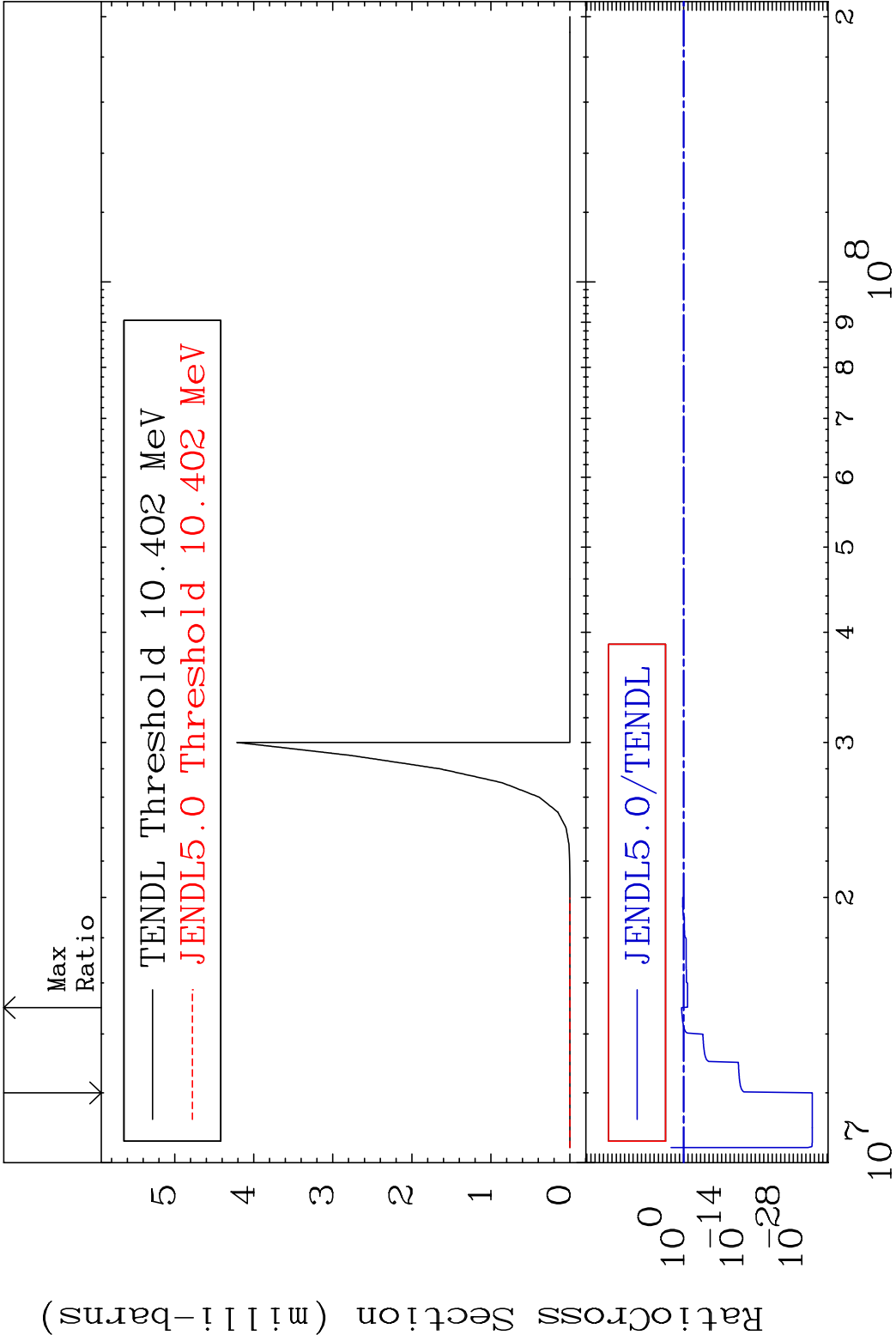
MAT 5825 Dpa disappearance (mt102 -120) 58-Ce-136
 Cross Section -99.99 To 5820. %

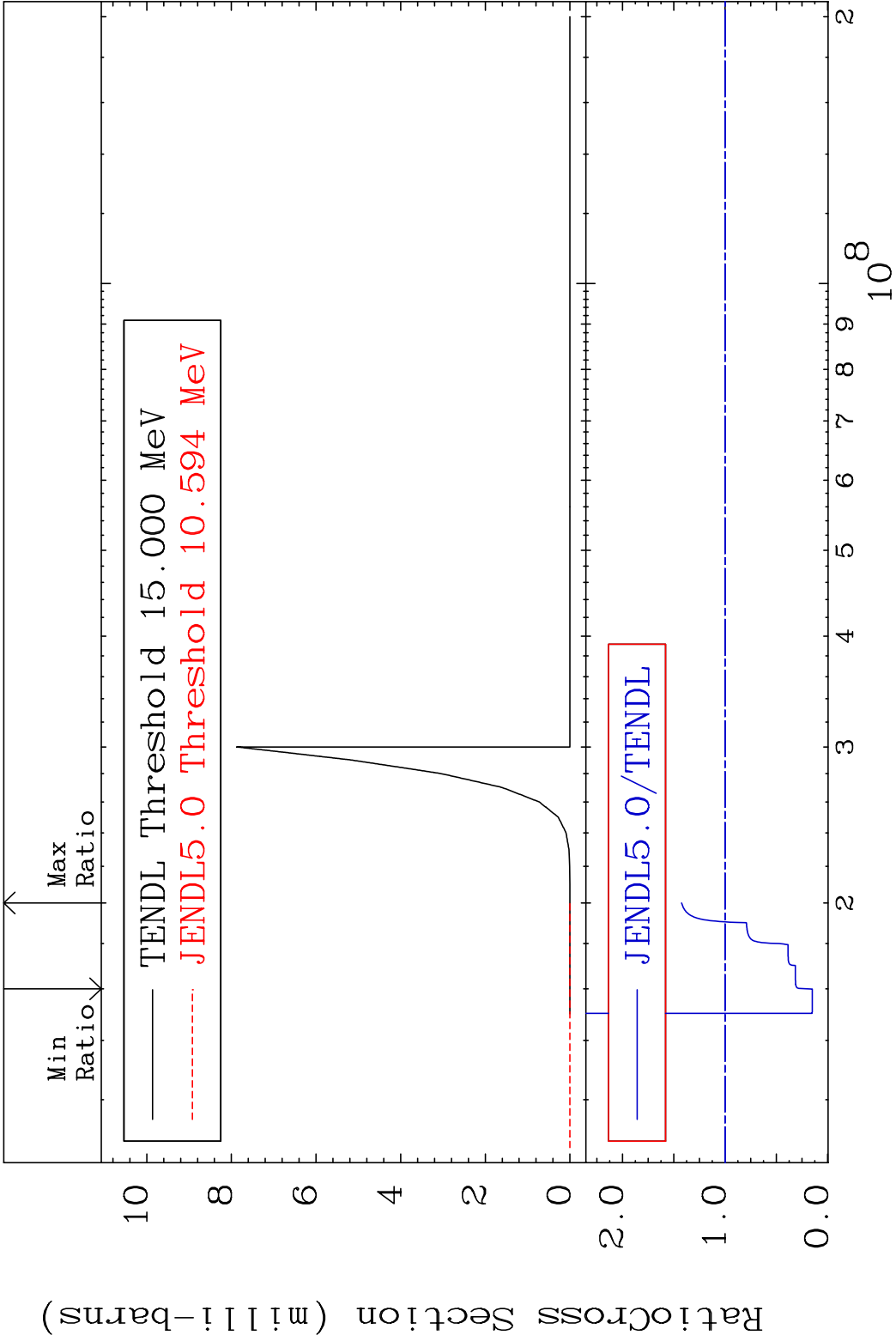


60 Incident Energy (eV) 58-Ce-136

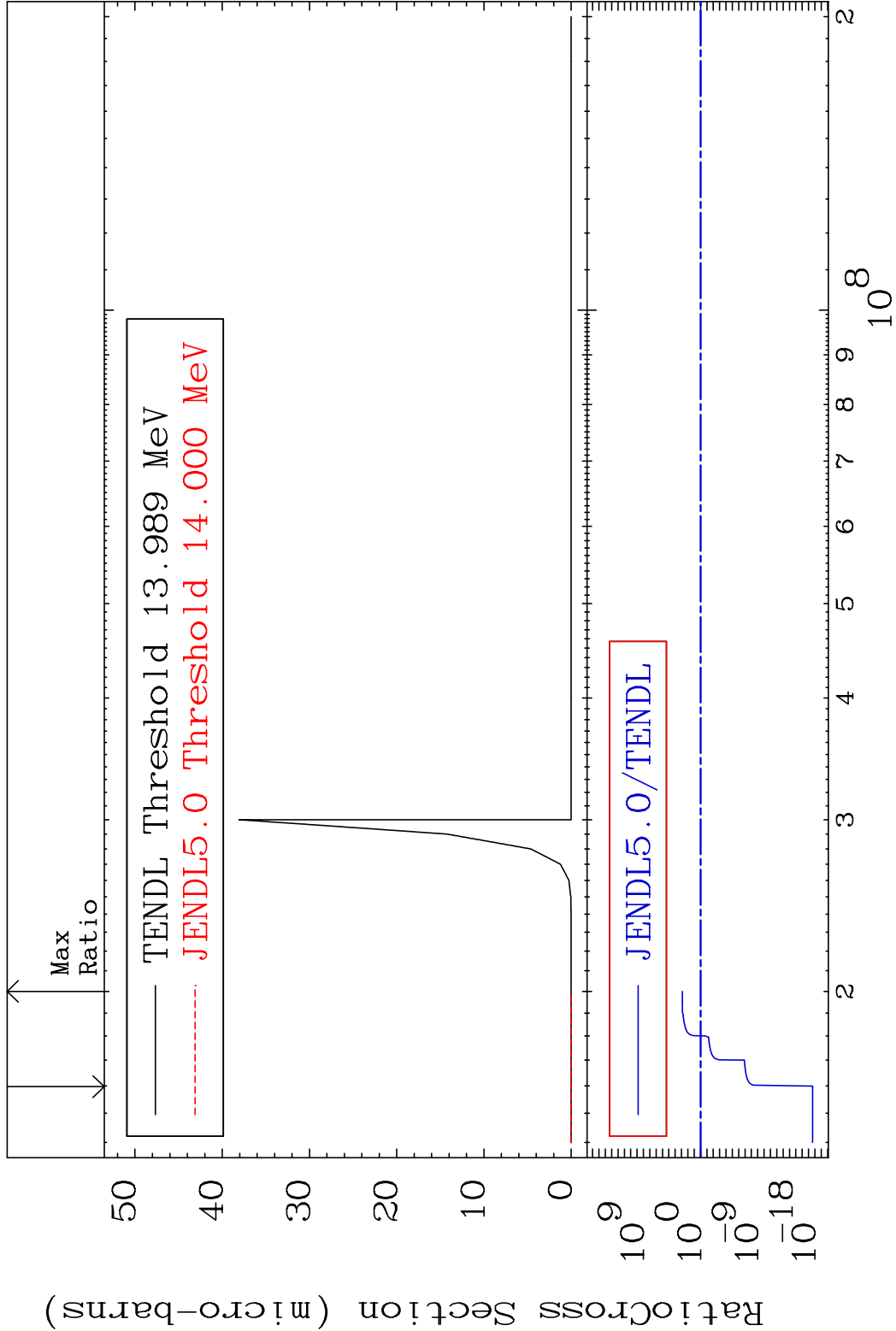




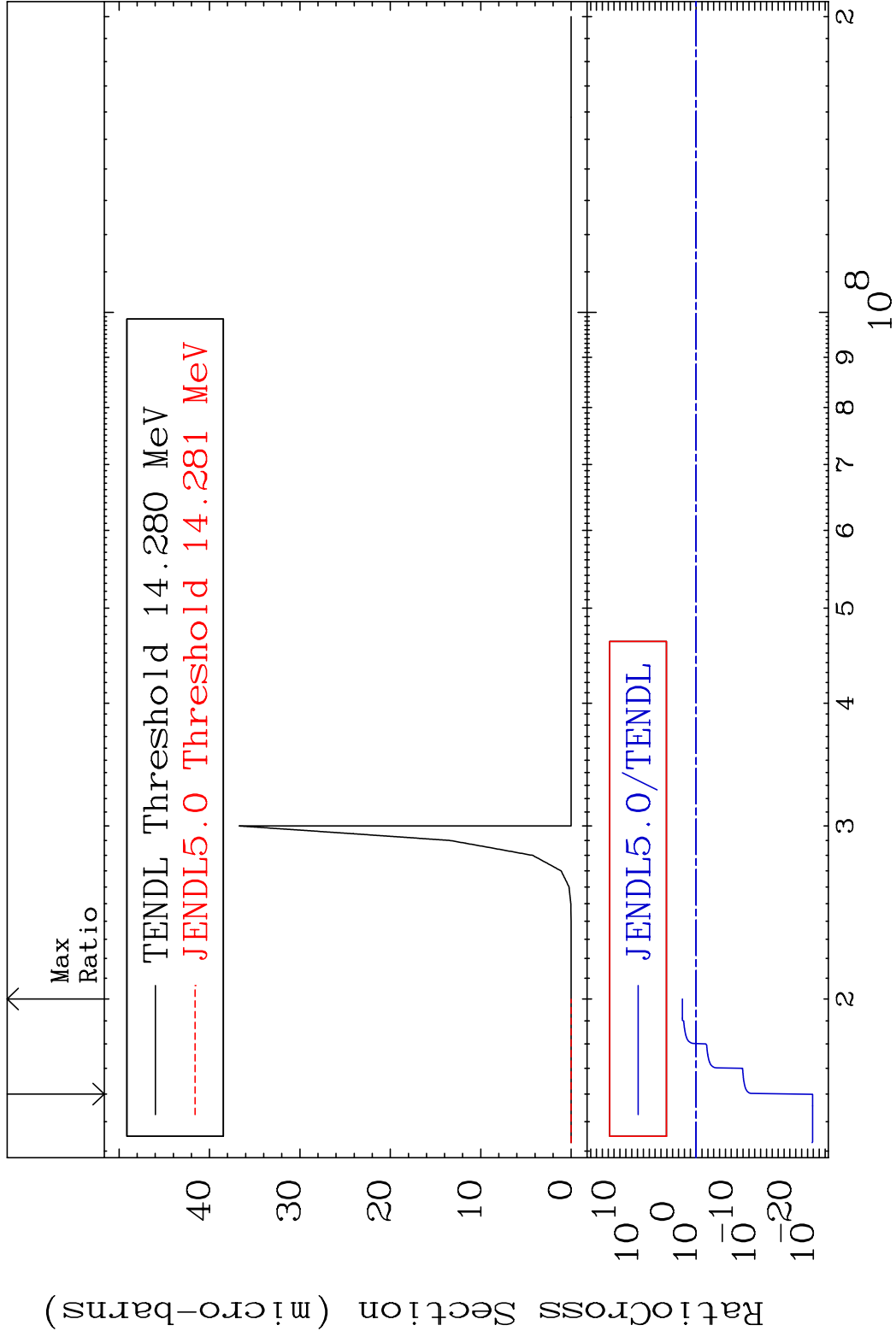


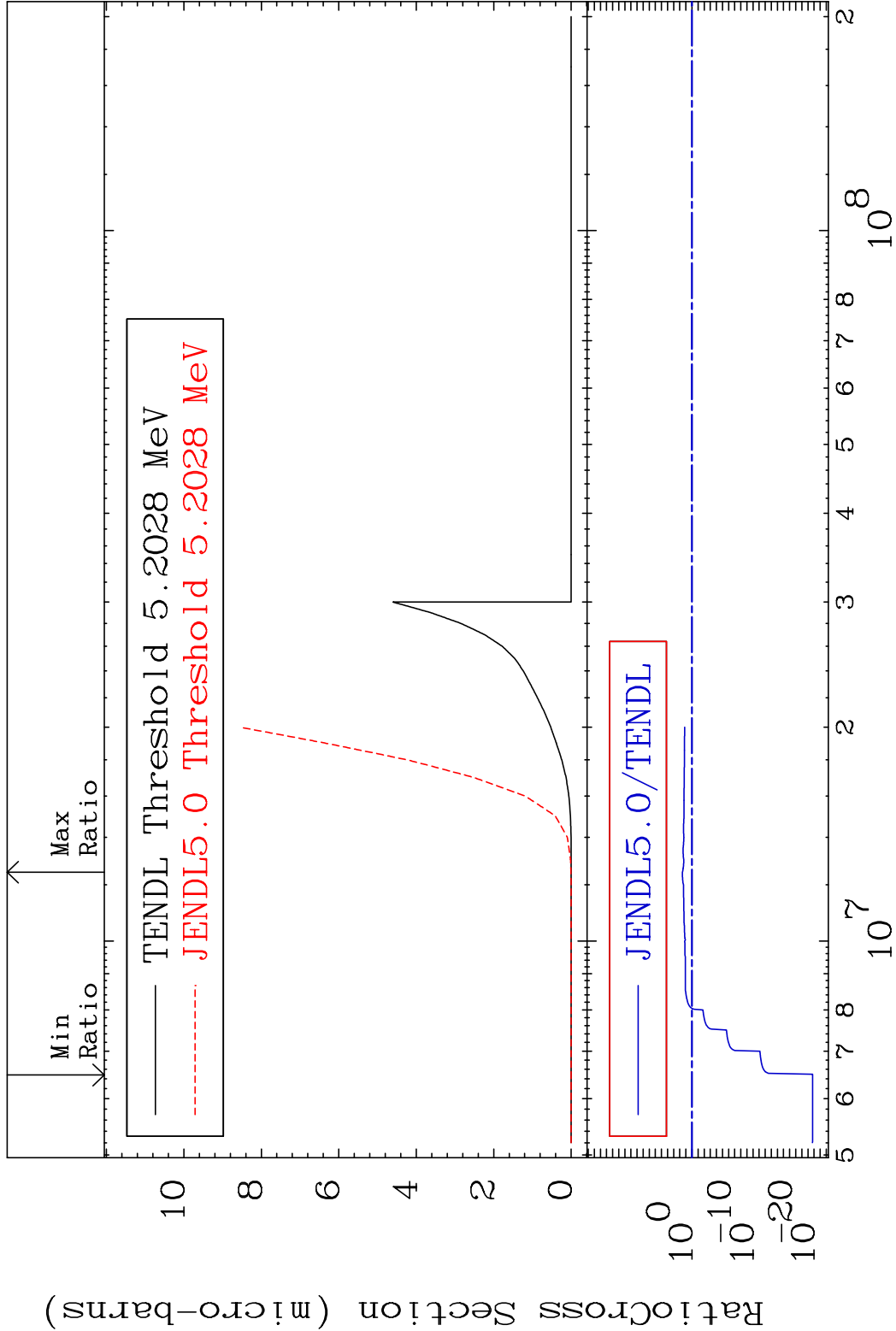


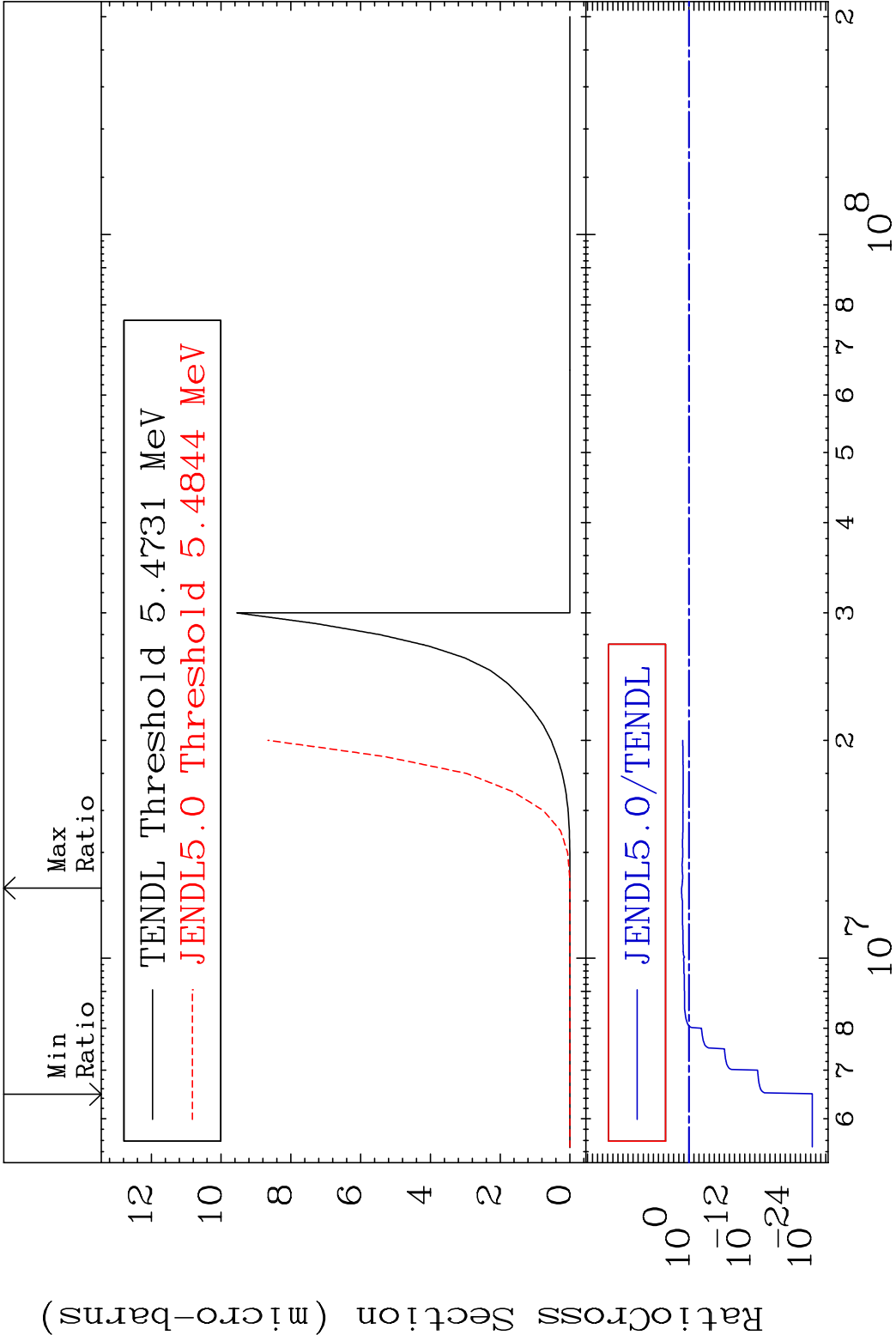
Radionuclide Production Cross Section to 9999. %



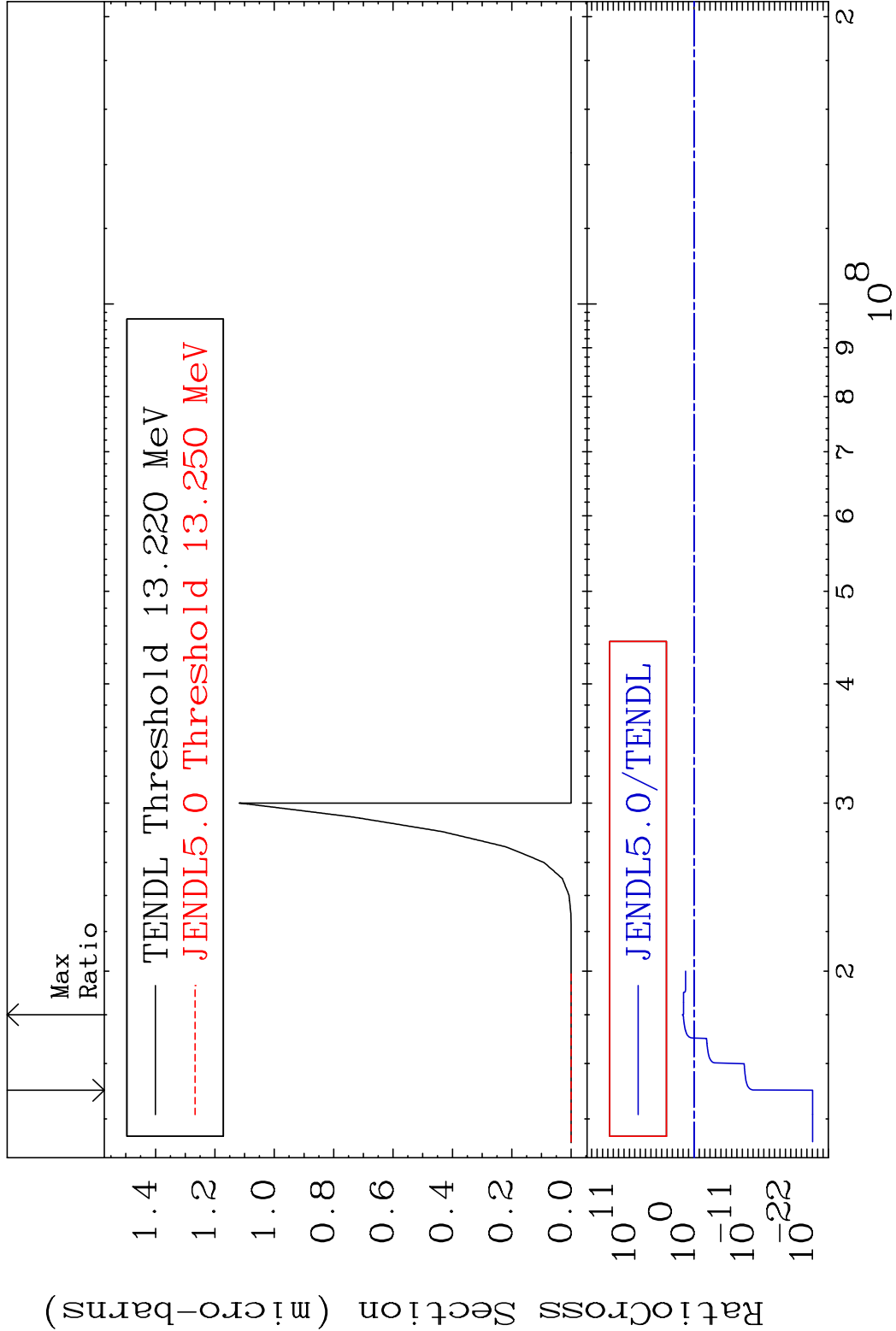
Radionuclide Production Cross Section to 9999. %

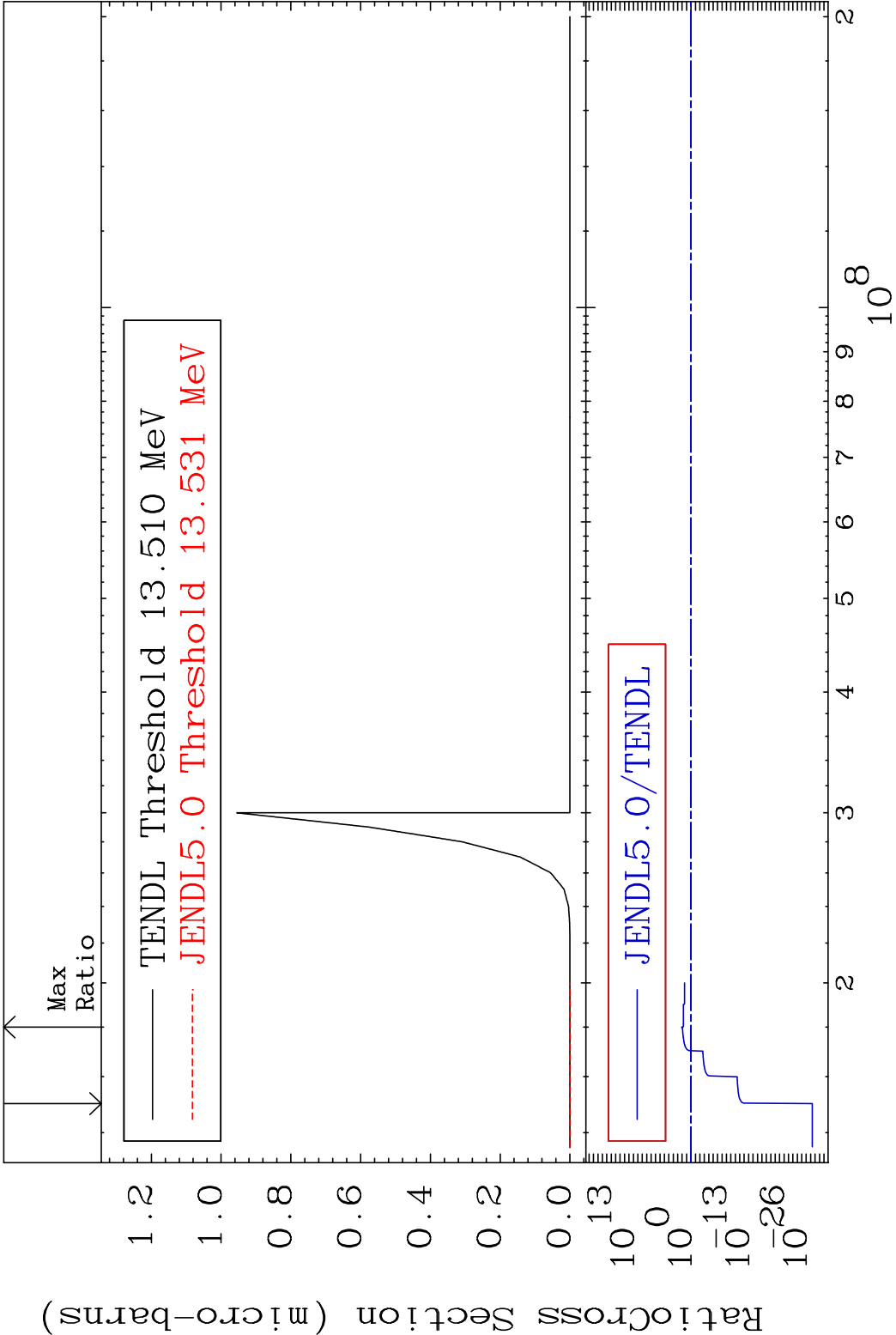




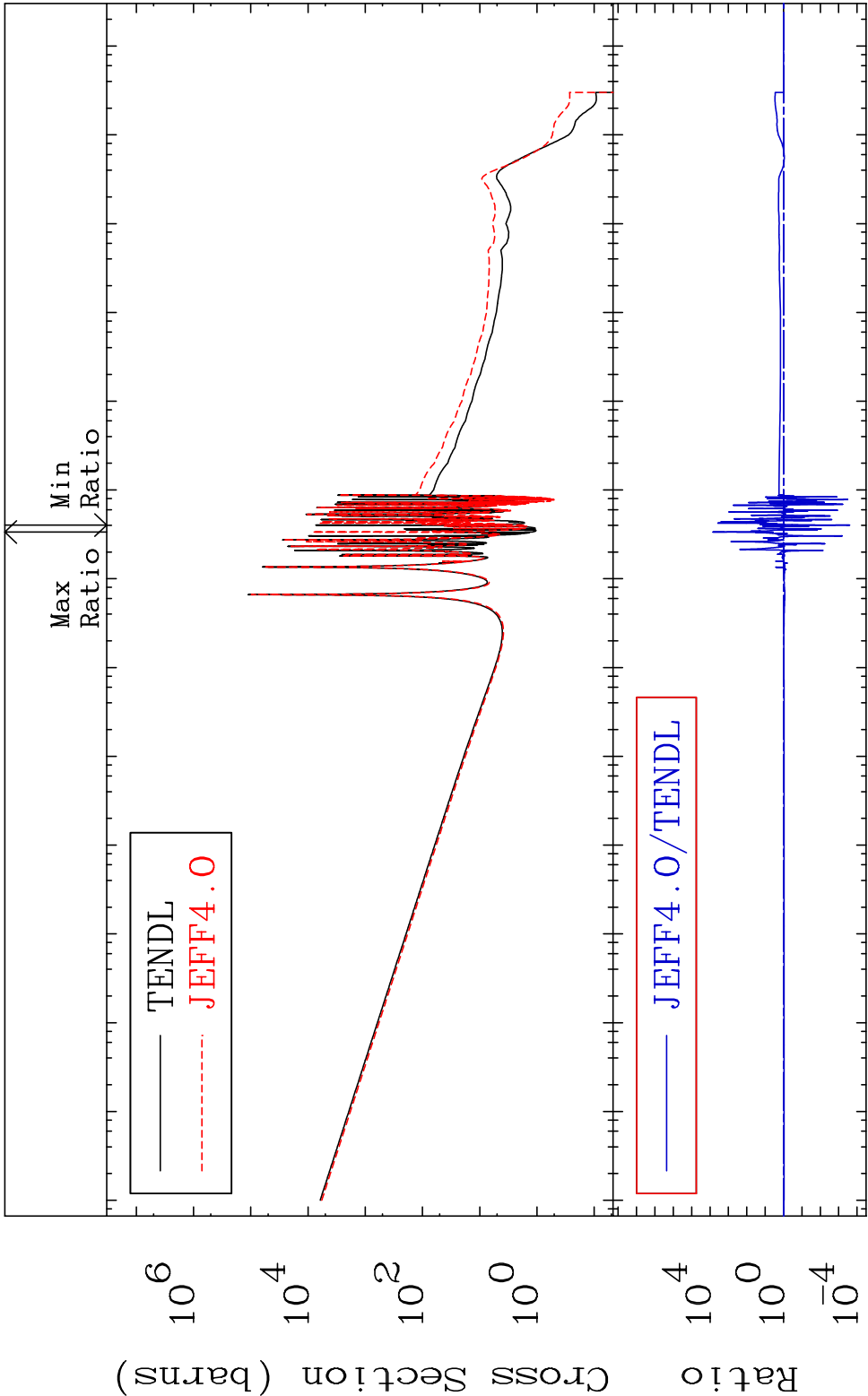


Radionuclide Production Cross Section (micro-barns)

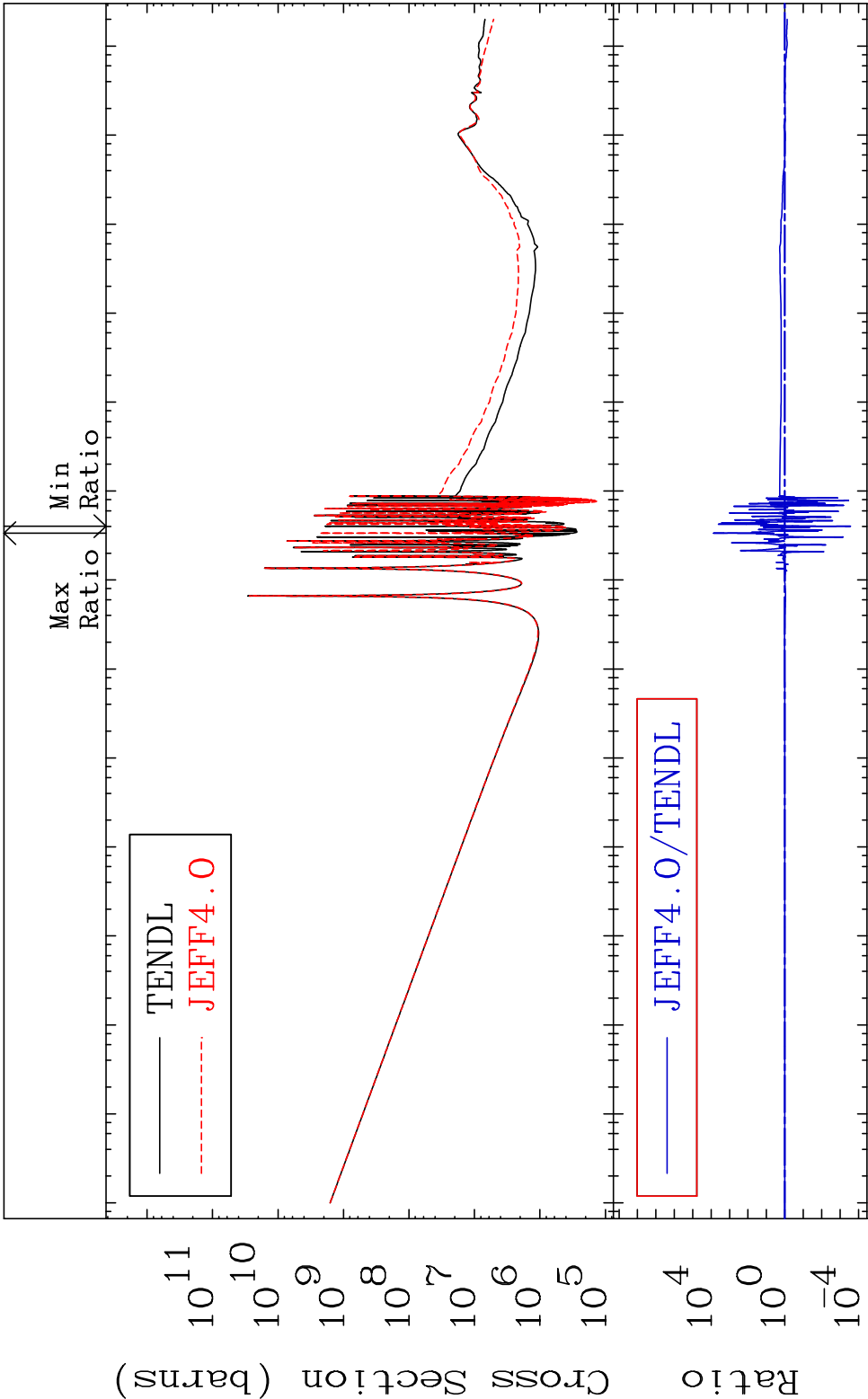




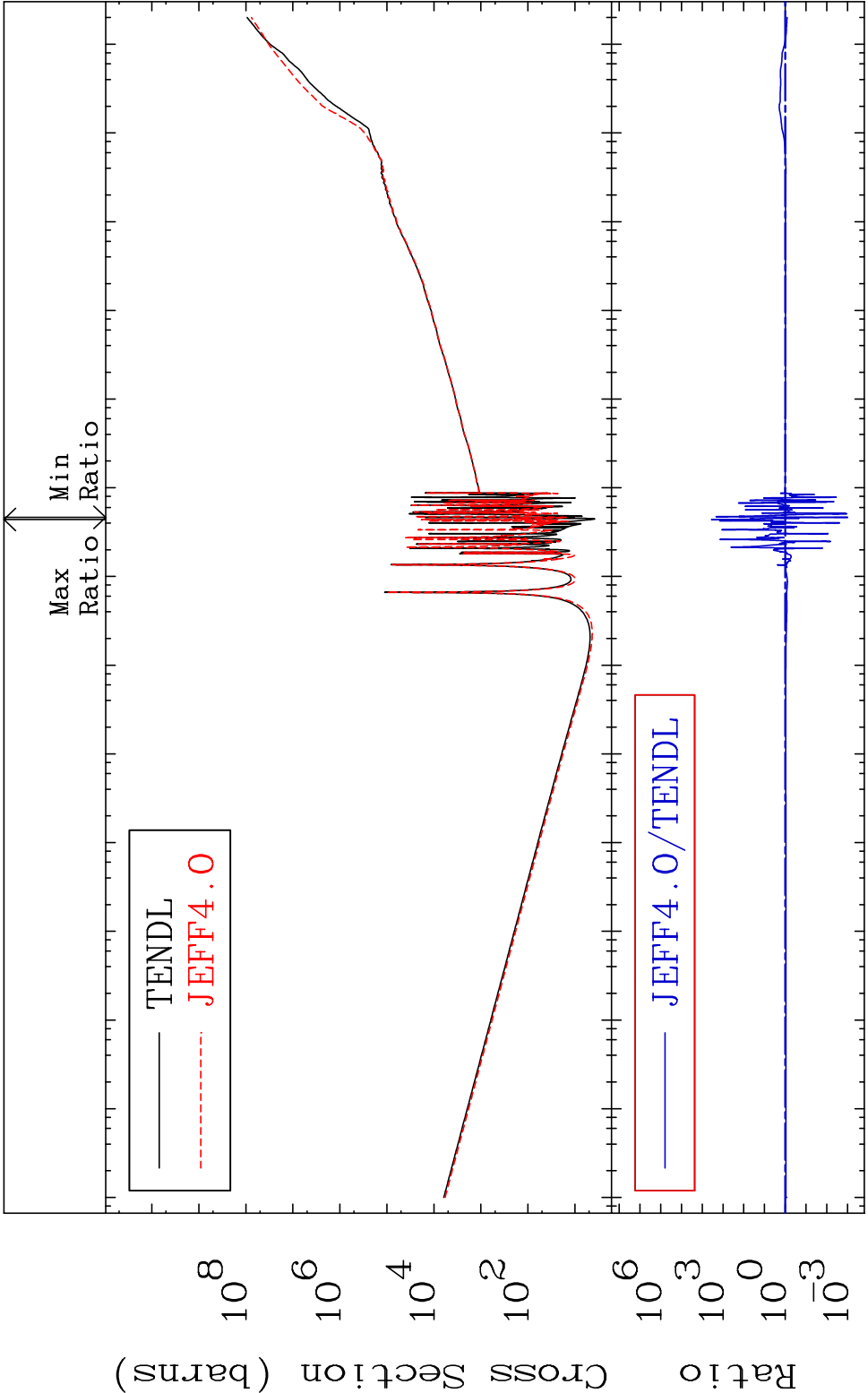
MAT 5825 Kerma capture (mt102) 58-Ce-136
Cross Section -99.97 To 9999. %



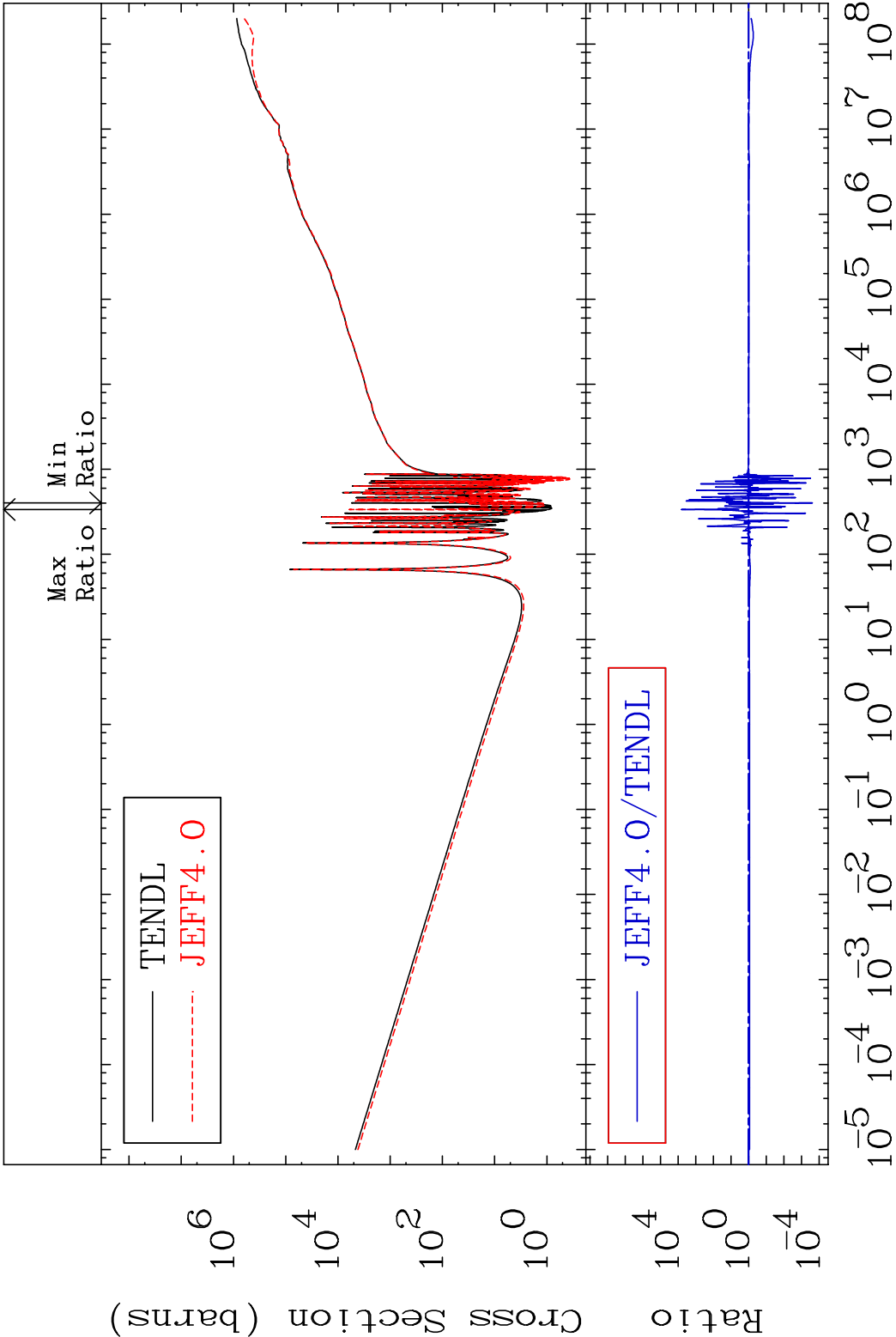
MAT 5825 Total photon (eV-barns) 58-Ce-136
Cross Section -99.97 To 9999. %



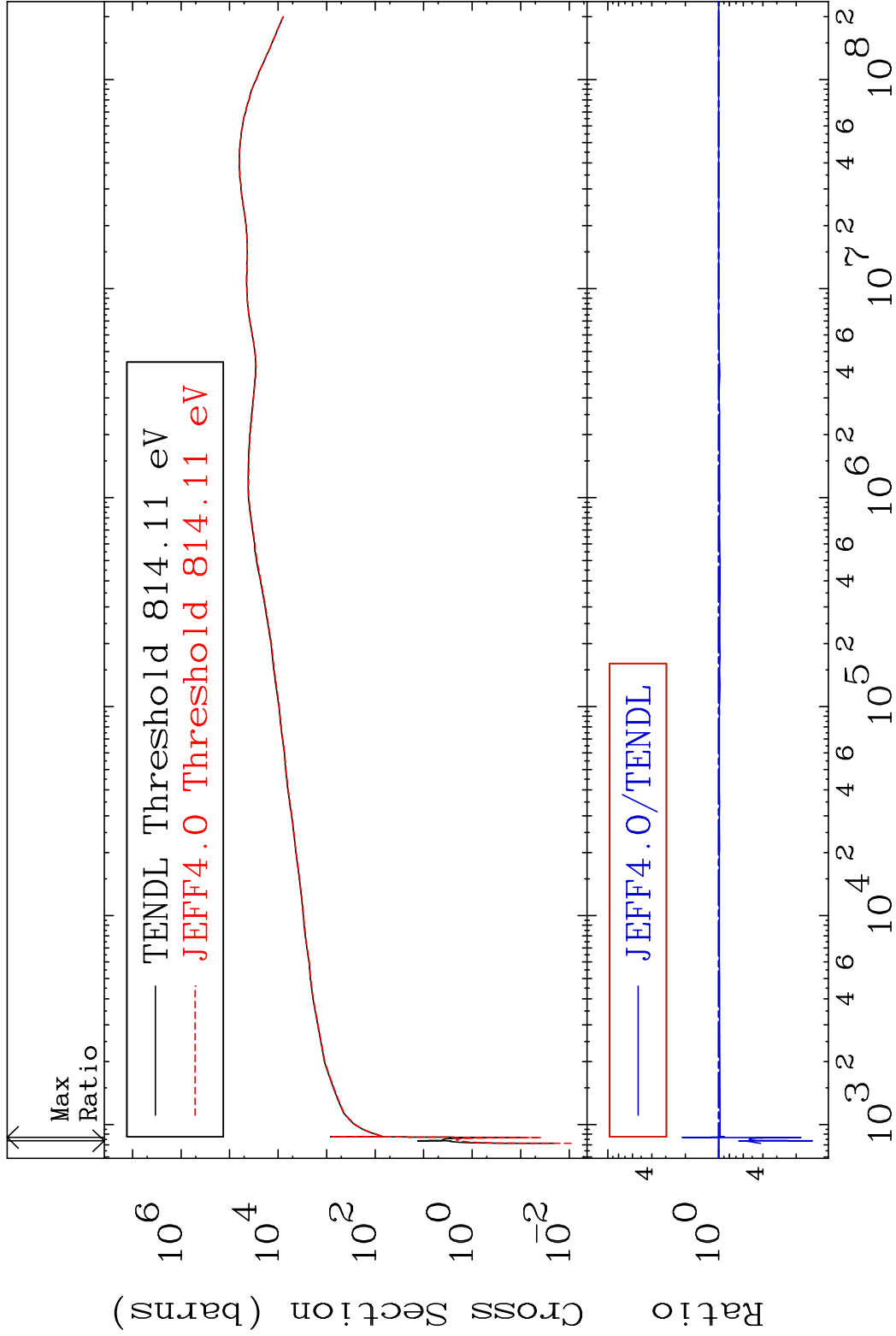
MAT 5825 Total kinematic kerma (high limit) 58-Ce-136
Cross Section -99.90 To 9999. %



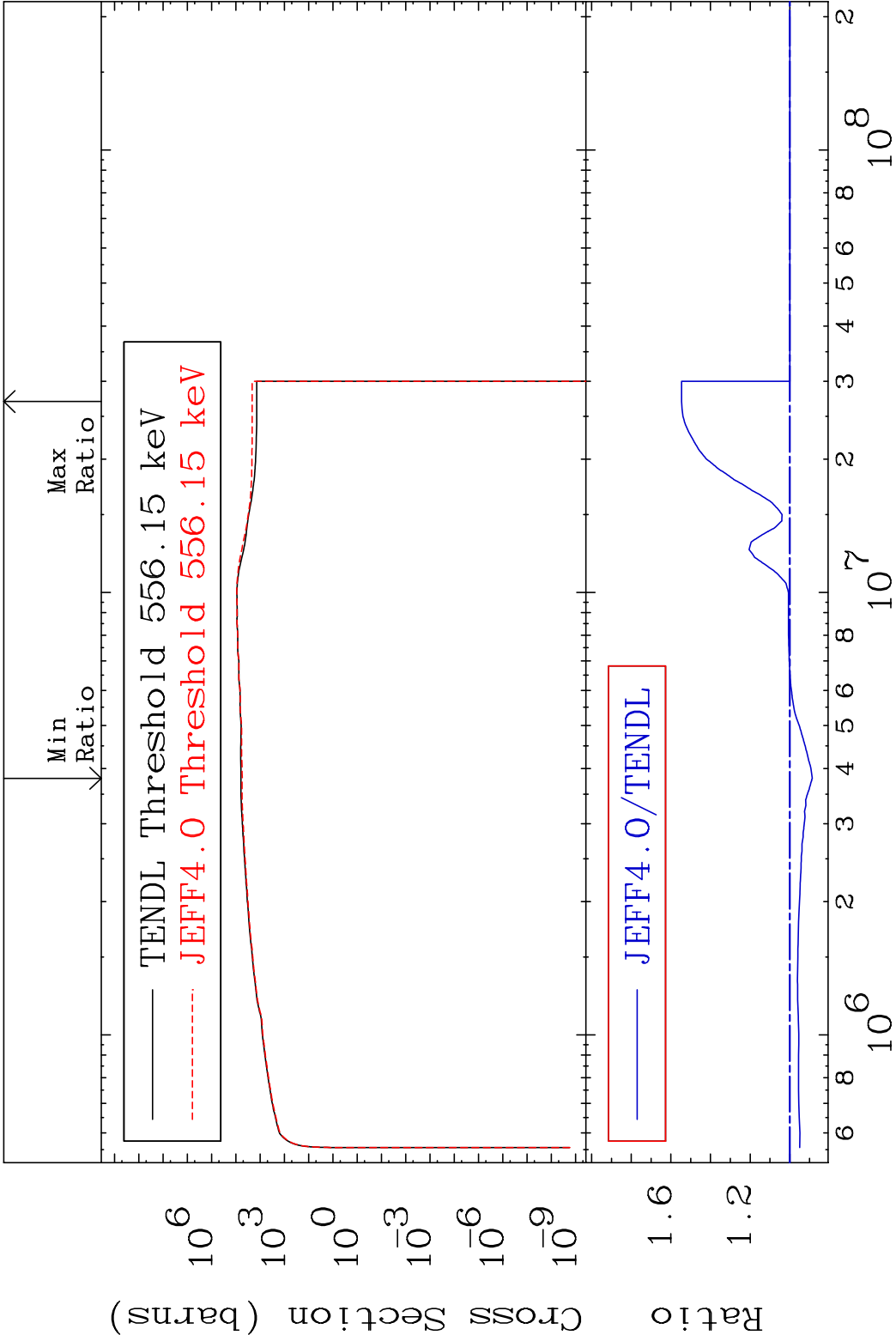
MAT 5825	Dpa total (eV-barns)	58-Ce-136
	Cross Section	-99.98 To 9999. %



MAT 5825 Dpa elastic (mt2) 58-Ce-136
Cross Section -85.74 To 112.8 %



75 Incident Energy (eV) 58-Ce-136



MAT 5825 Dpa disappearance (mt102 -120) 58-Ce-136
Cross Section -99.98 To 9999. %

