

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way

Livermore, CA 94550

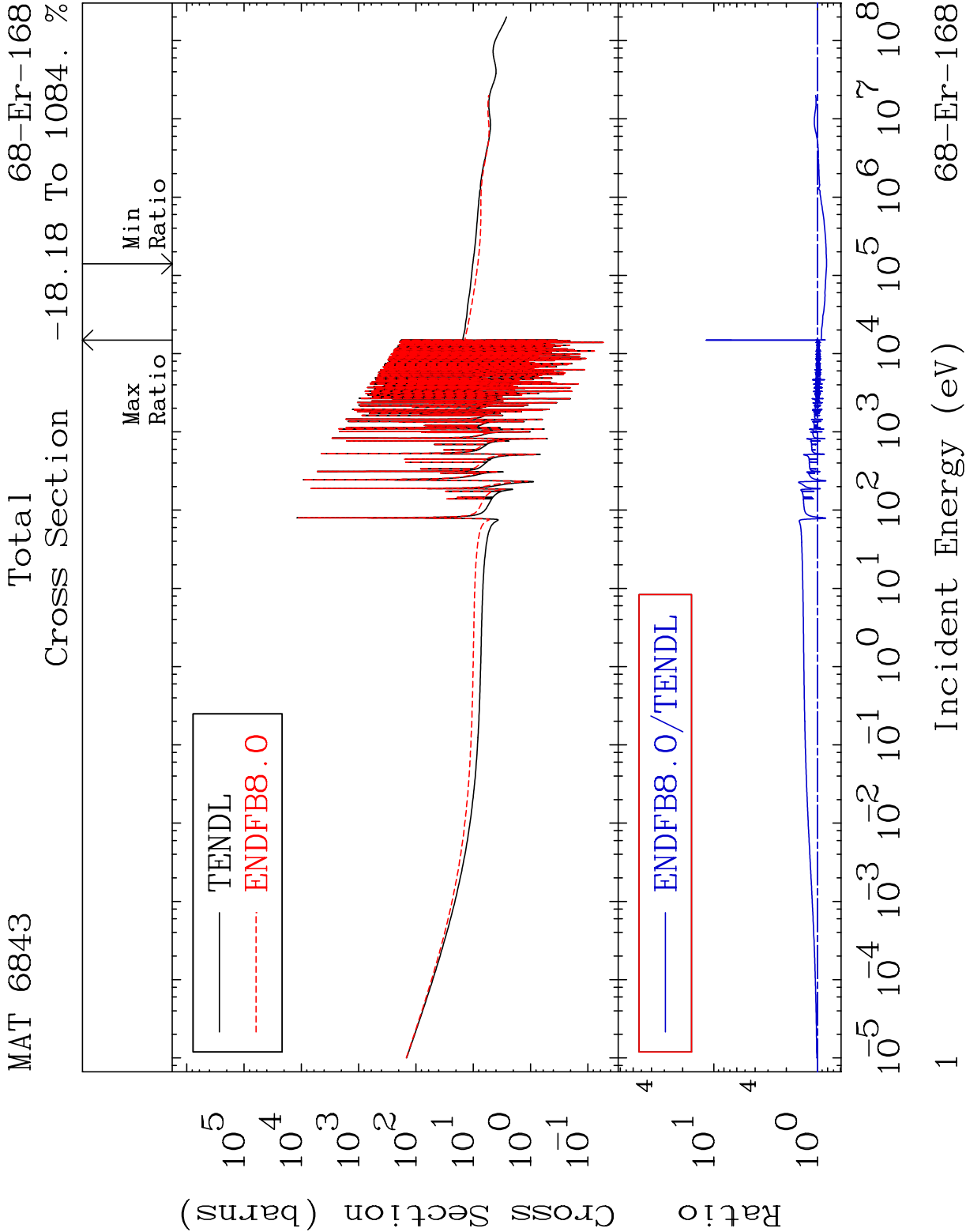
U.S.A.

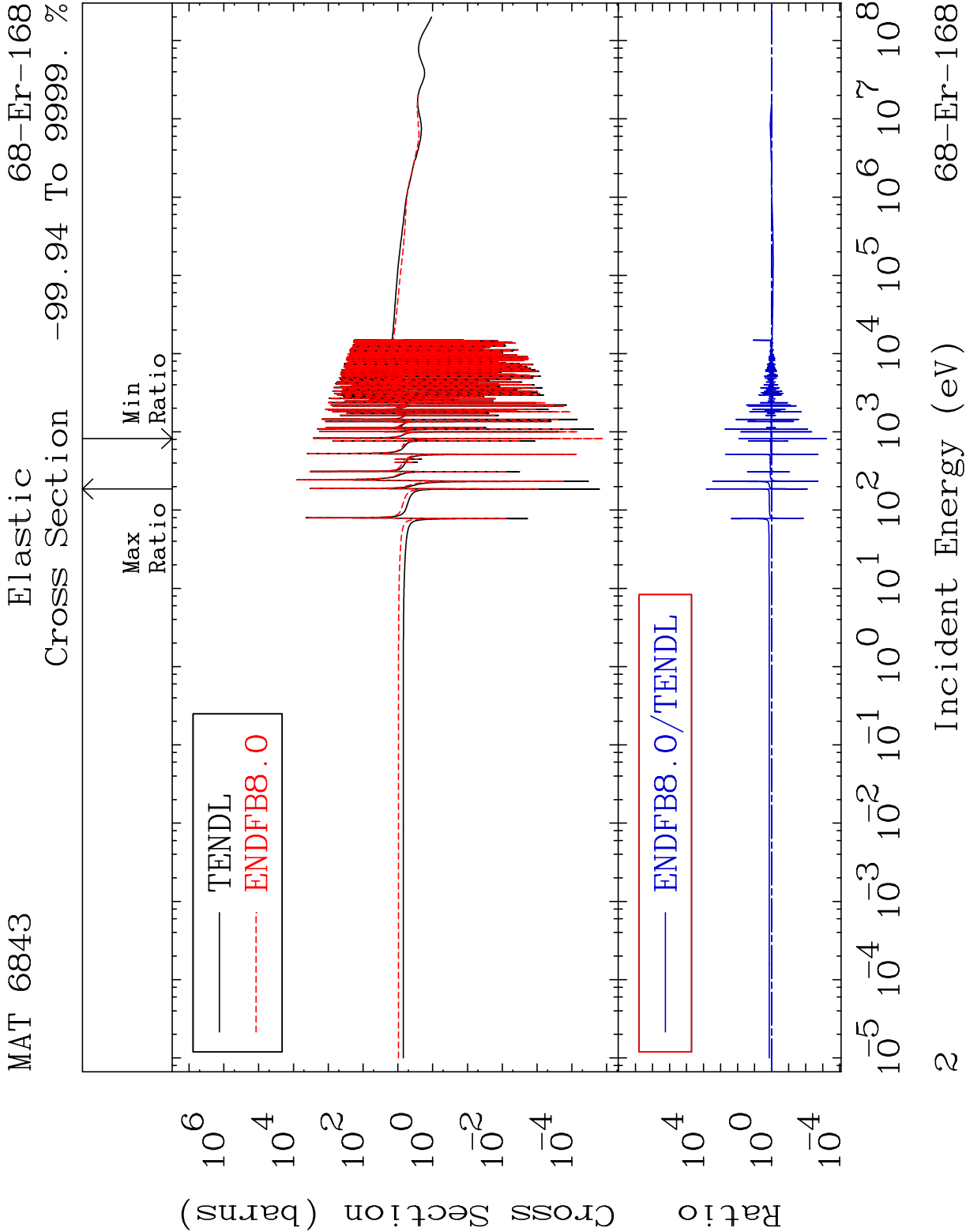
Tele: 925-443-1911

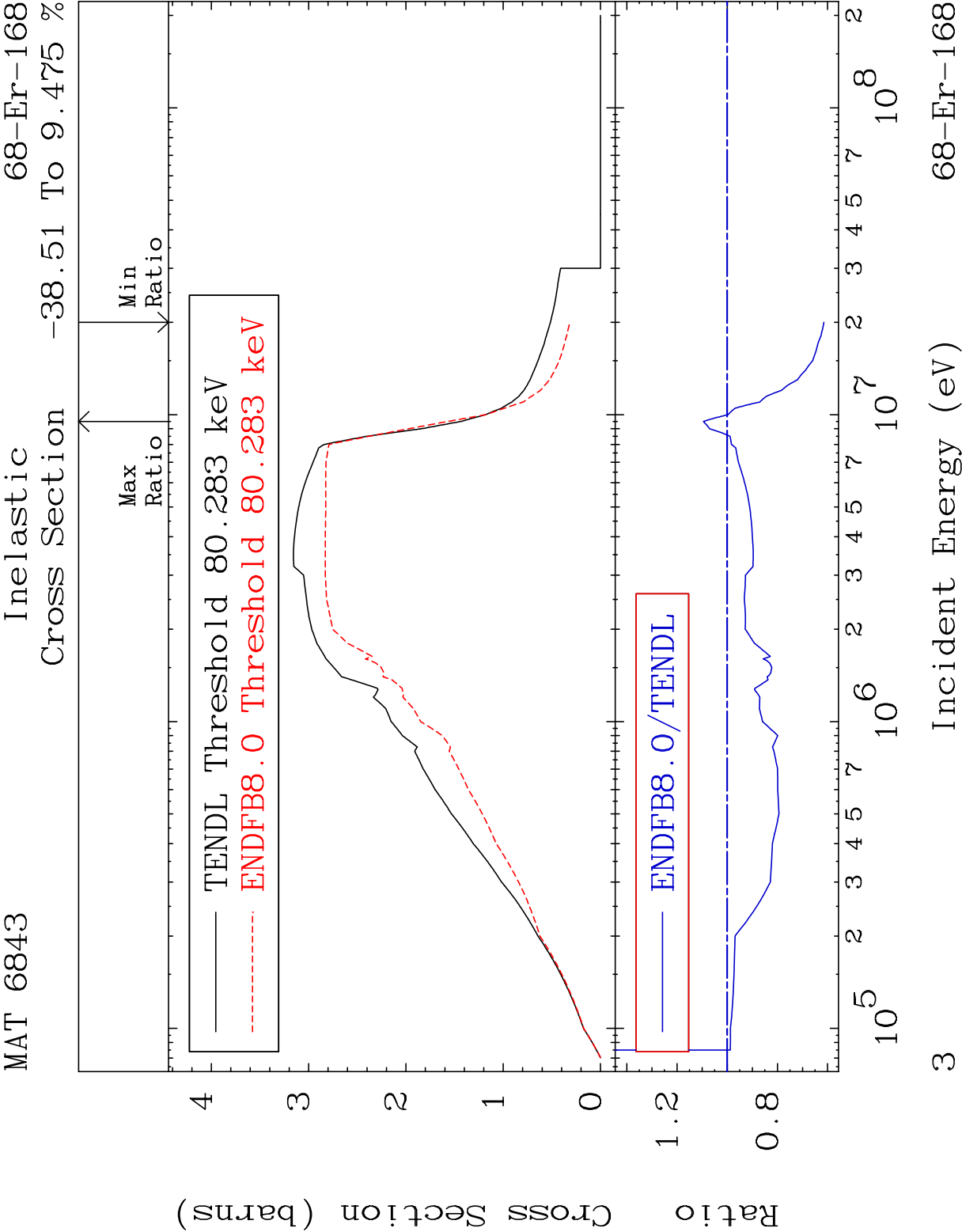
E.Mail: redcullen1@comcast.net

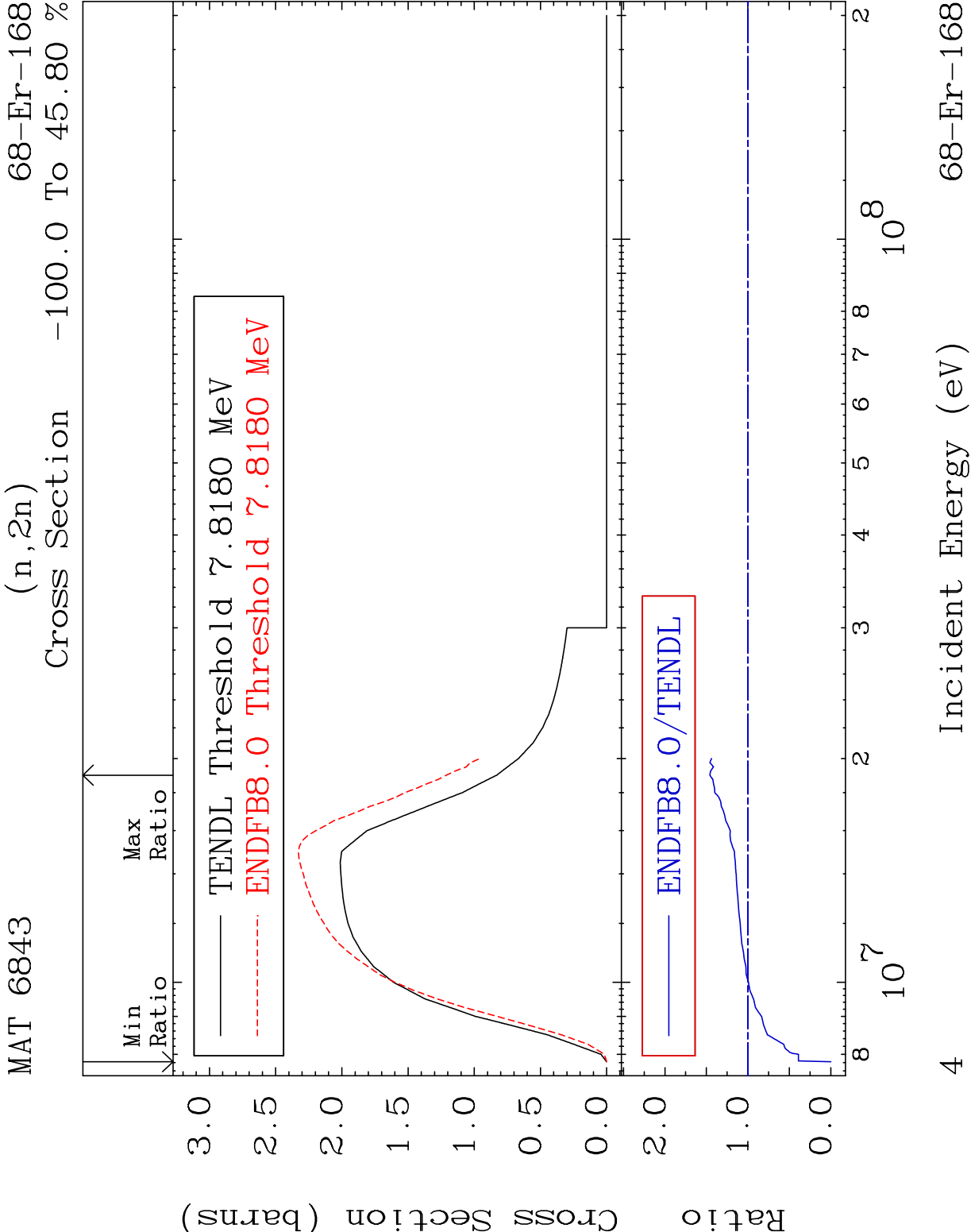
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





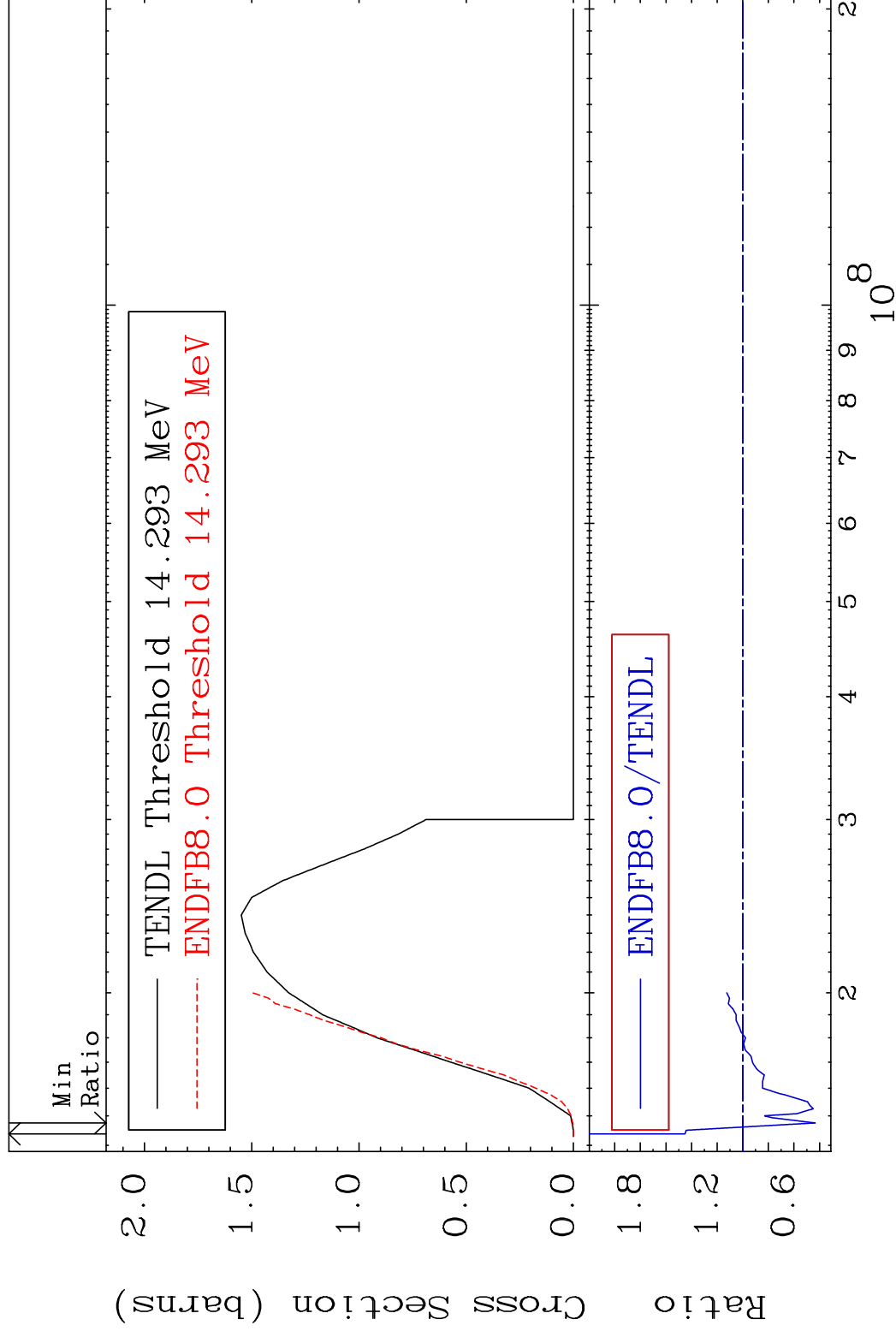




MAT 6843

$$(n, 3n)$$
68-~~Er~~-168

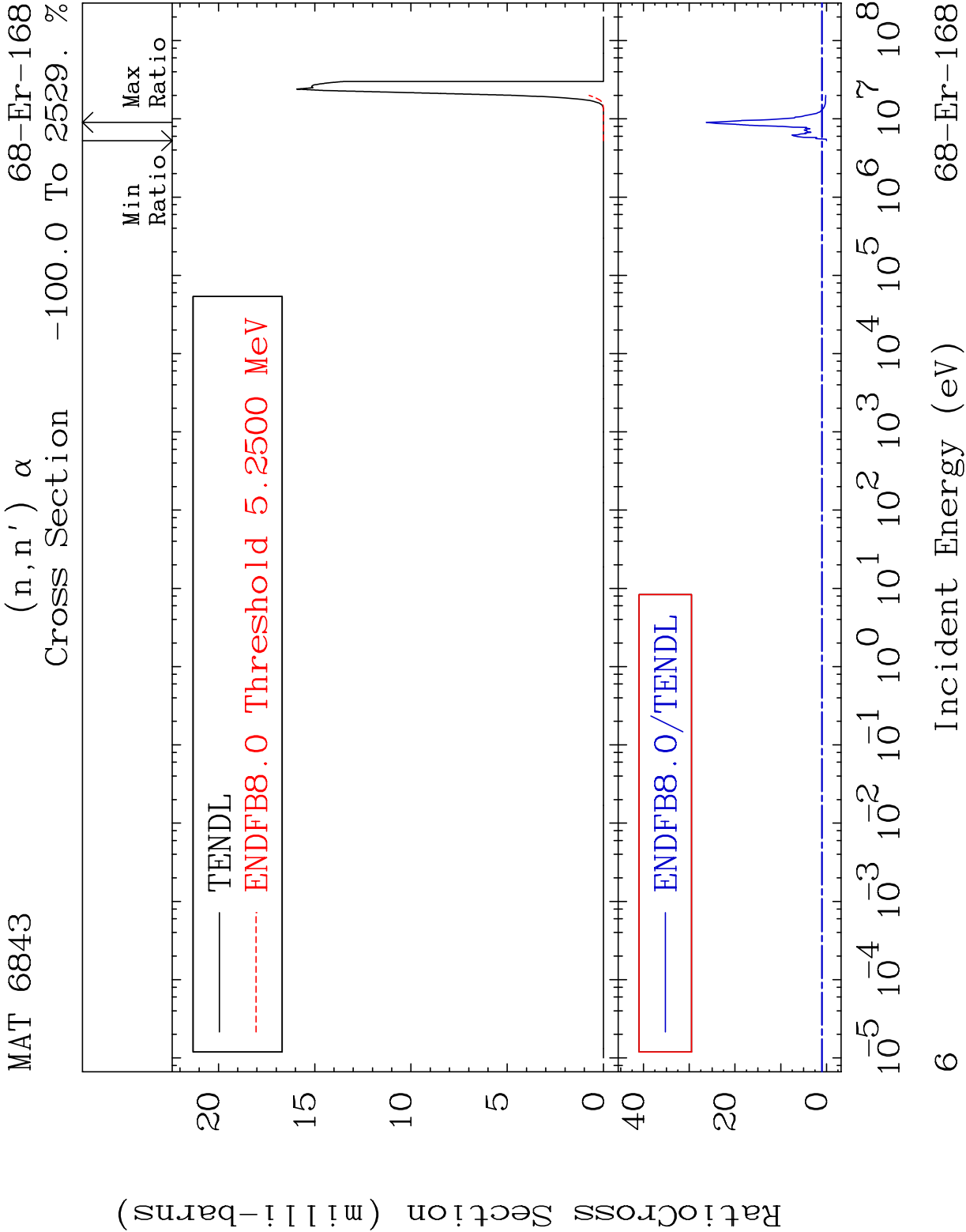
Cross Section

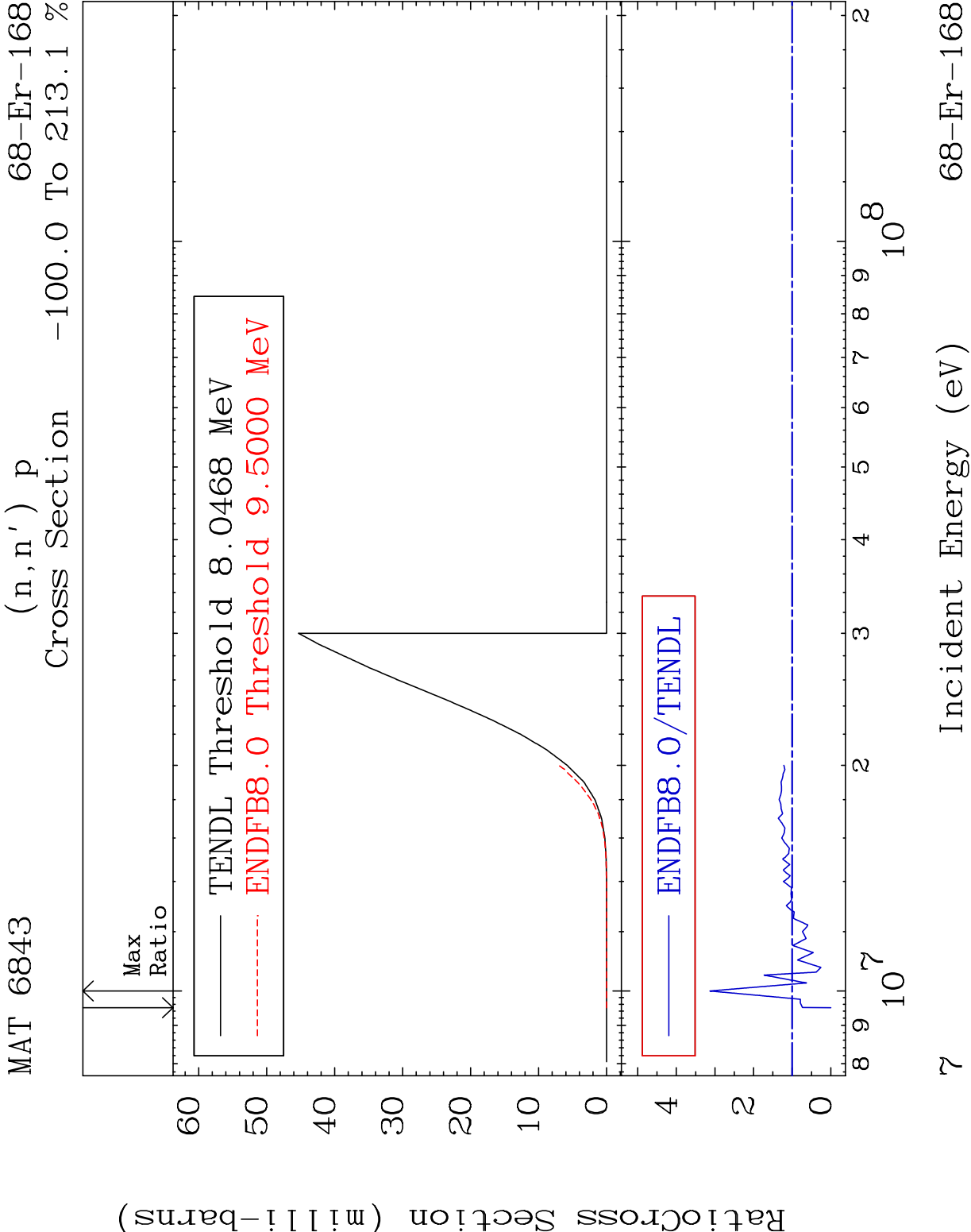


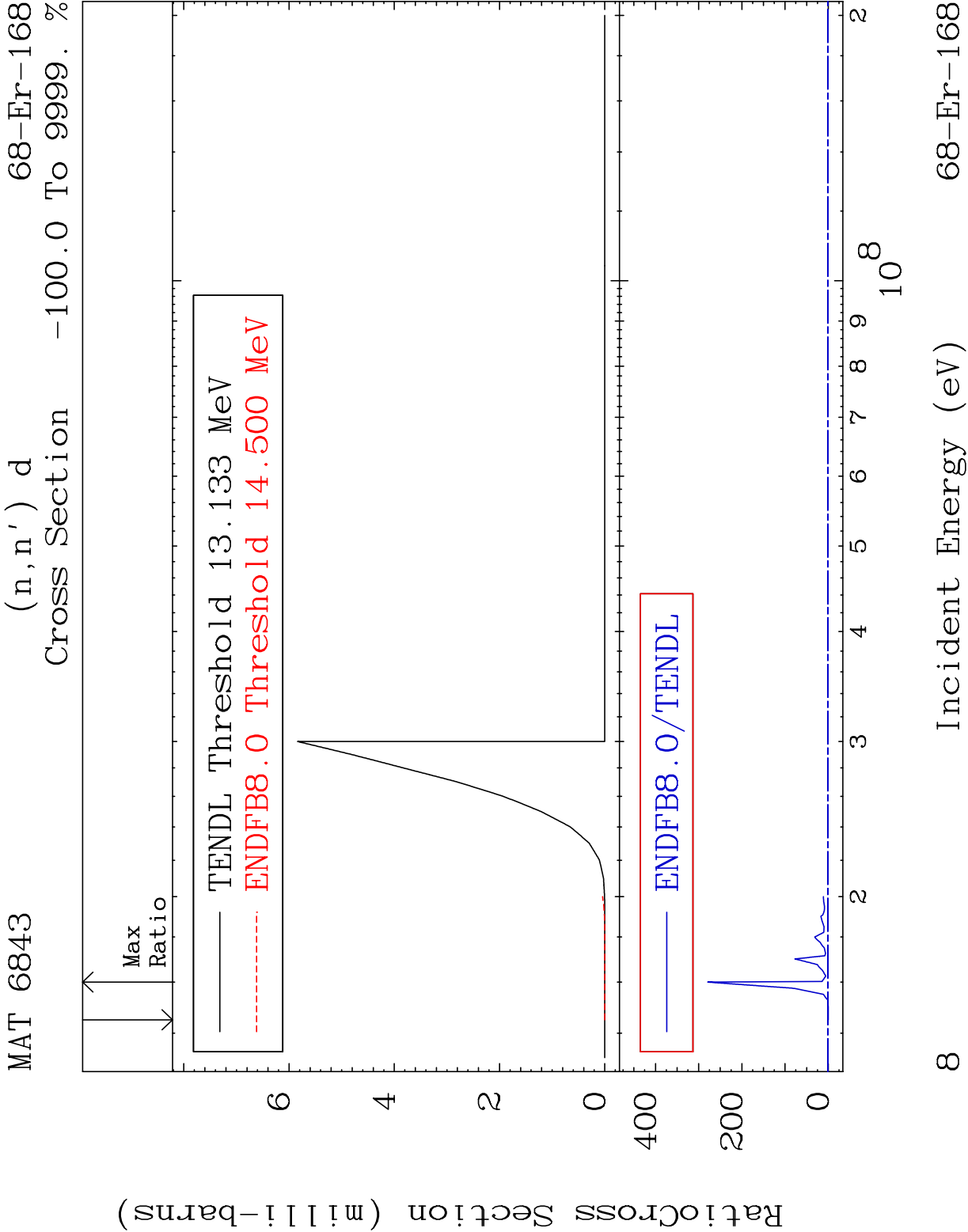
5

Incident Energy (eV)

68-~~Er~~-168



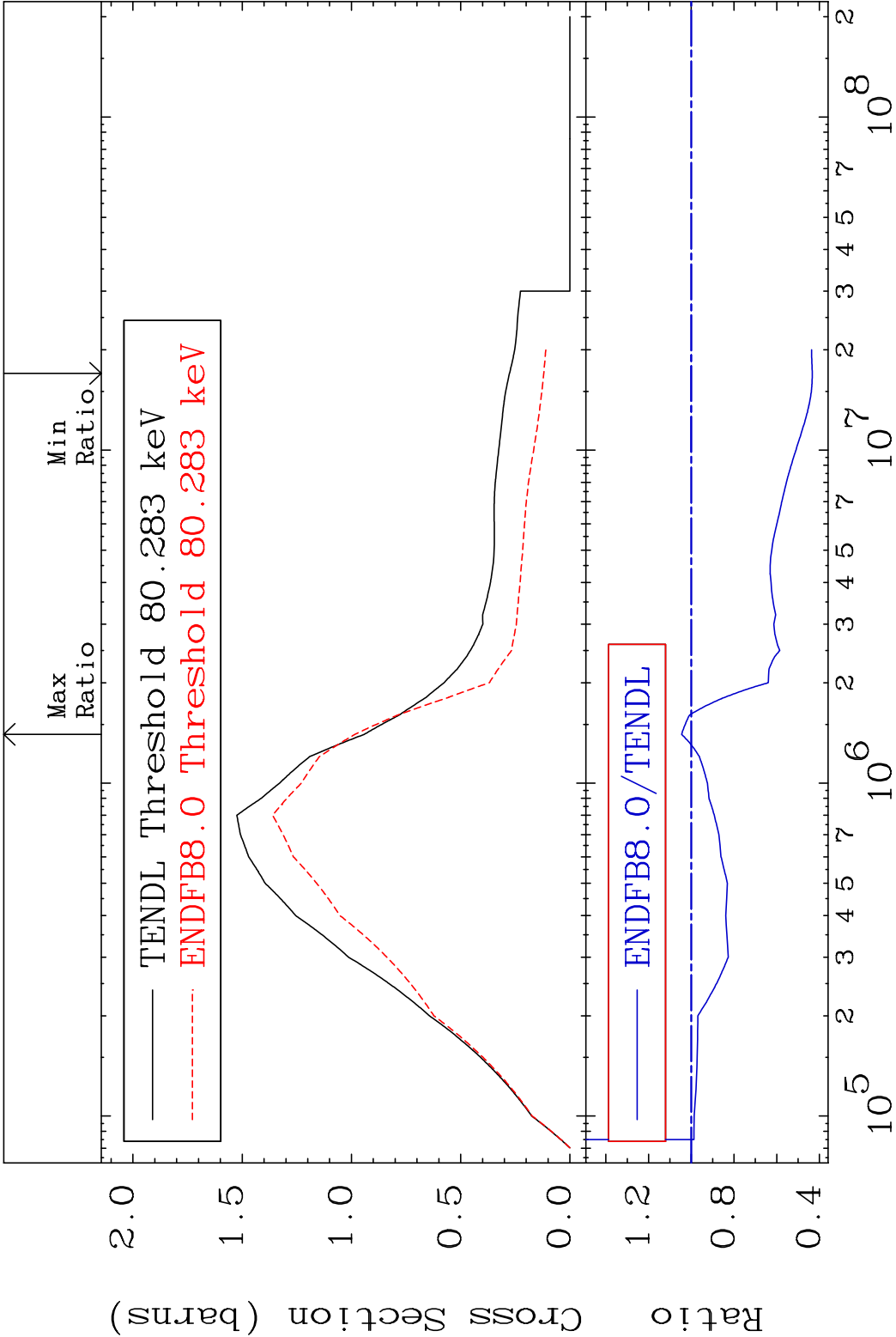




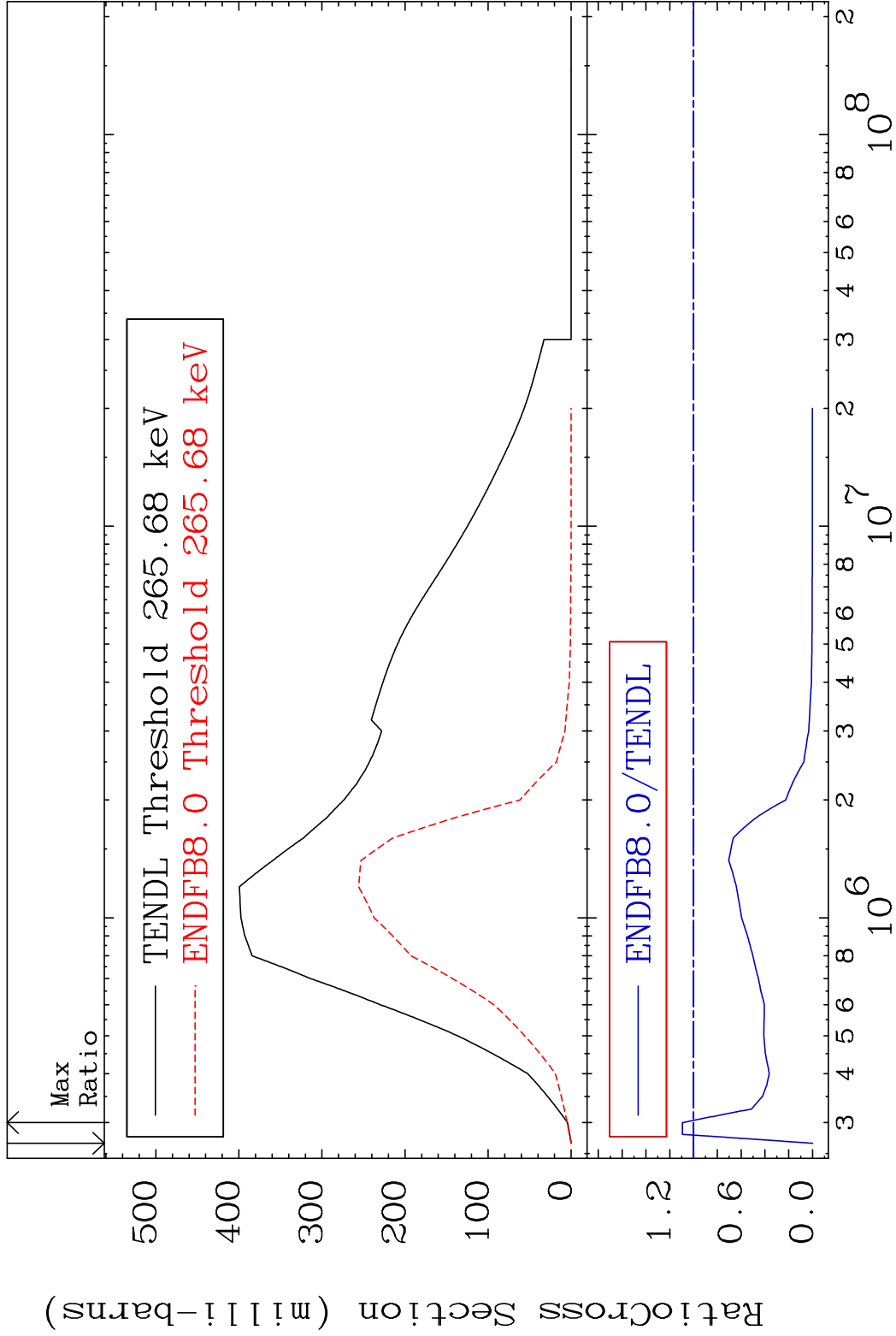
8

68-Er-168

MAT 6843 MT= 51 (n,n') Level 68-Er-168
Cross Section -56.61 To 4.566 %



MAT 6843 MT= 52 (n,n') Level 68-Er-168
Cross Section -100.0 To 9.405 %



10 Incident Energy (eV) 68-Er-168

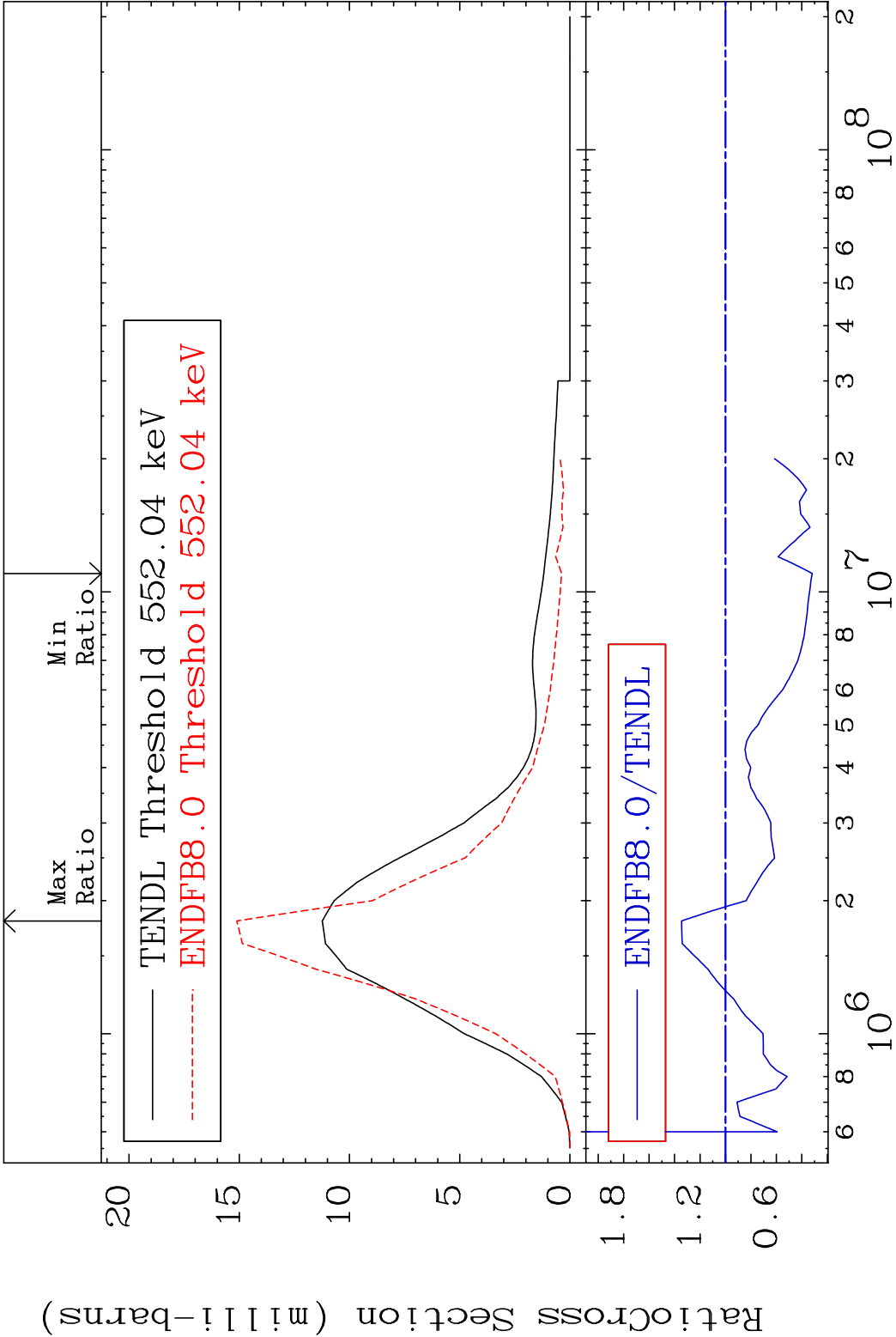
MAT 6843

MT= 53 (n,n') Level

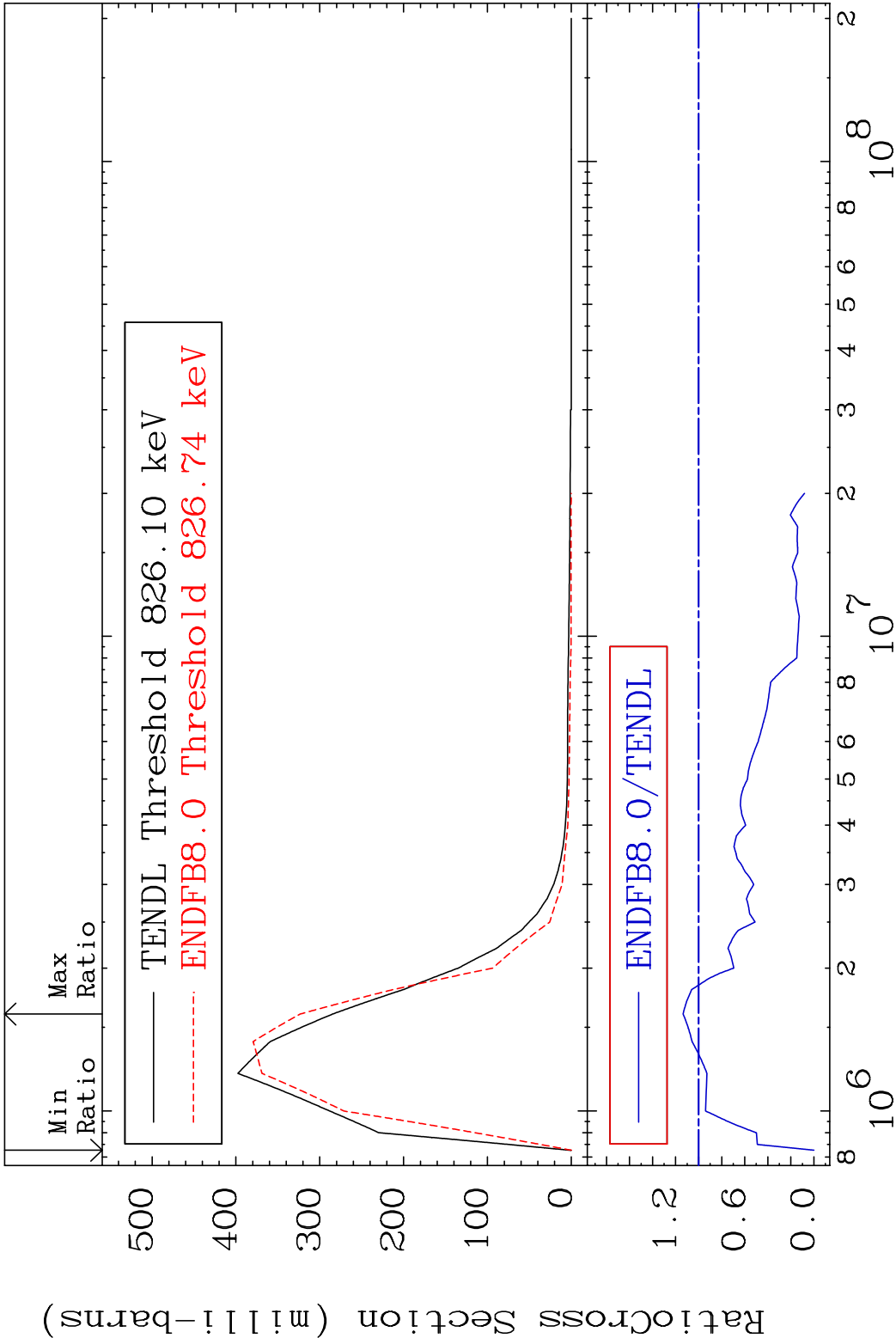
68-Er-168

Cross Section

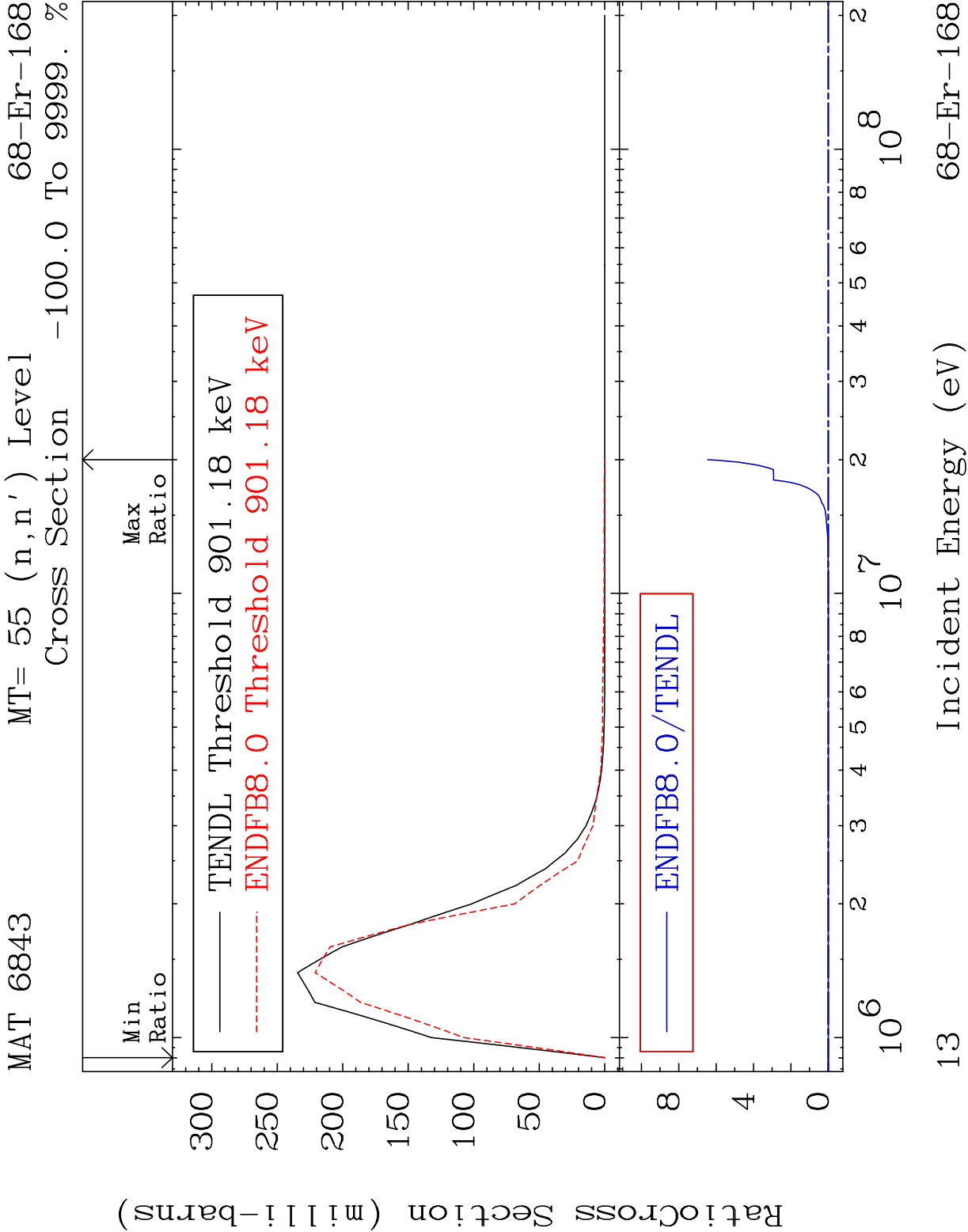
-68.17 To 34.52 %



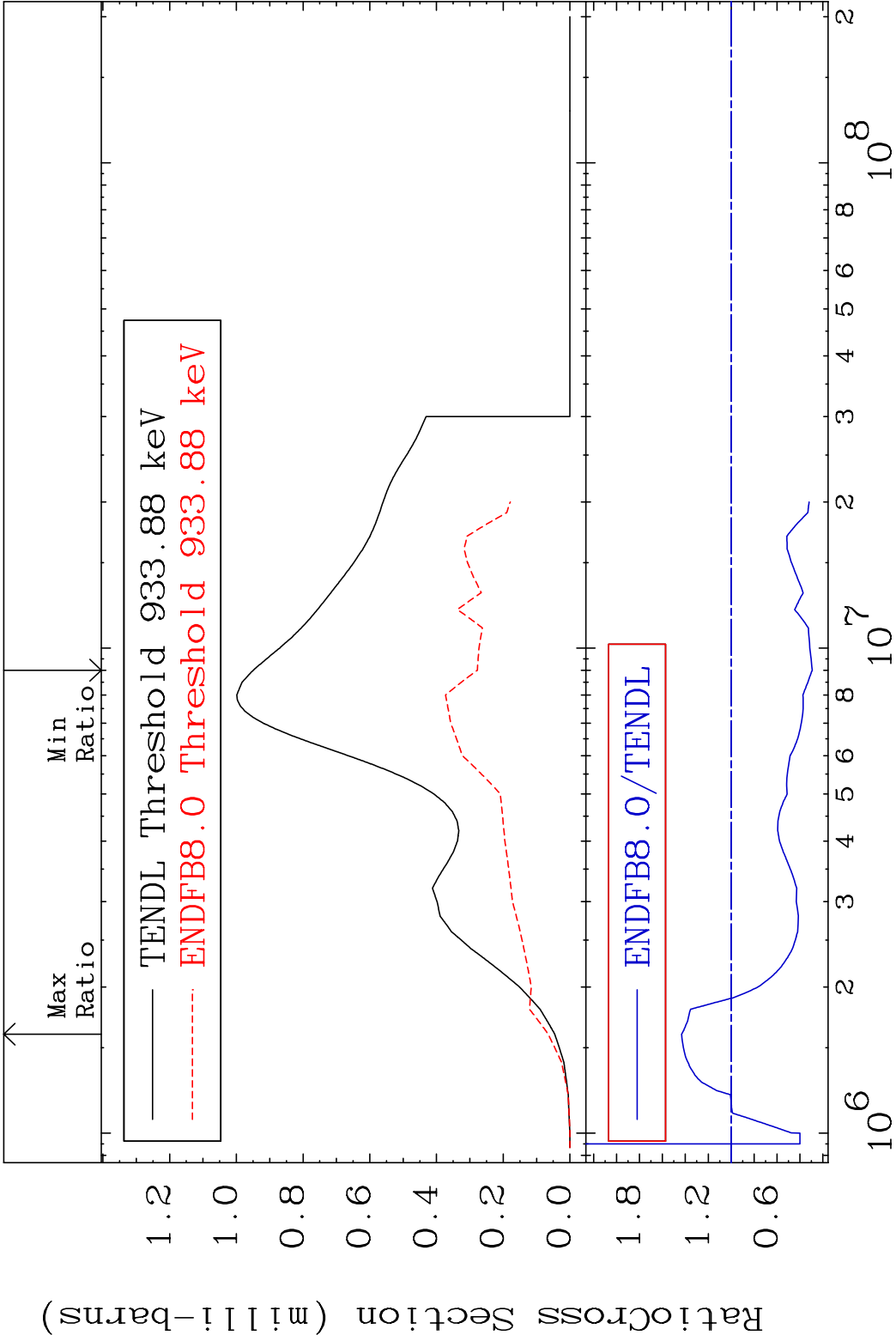
MAT 6843 MT= 54 (n,n') Level 68-Er-168
Cross Section -100.0 To 13.56 %



12 Incident Energy (eV) 68-Er-168

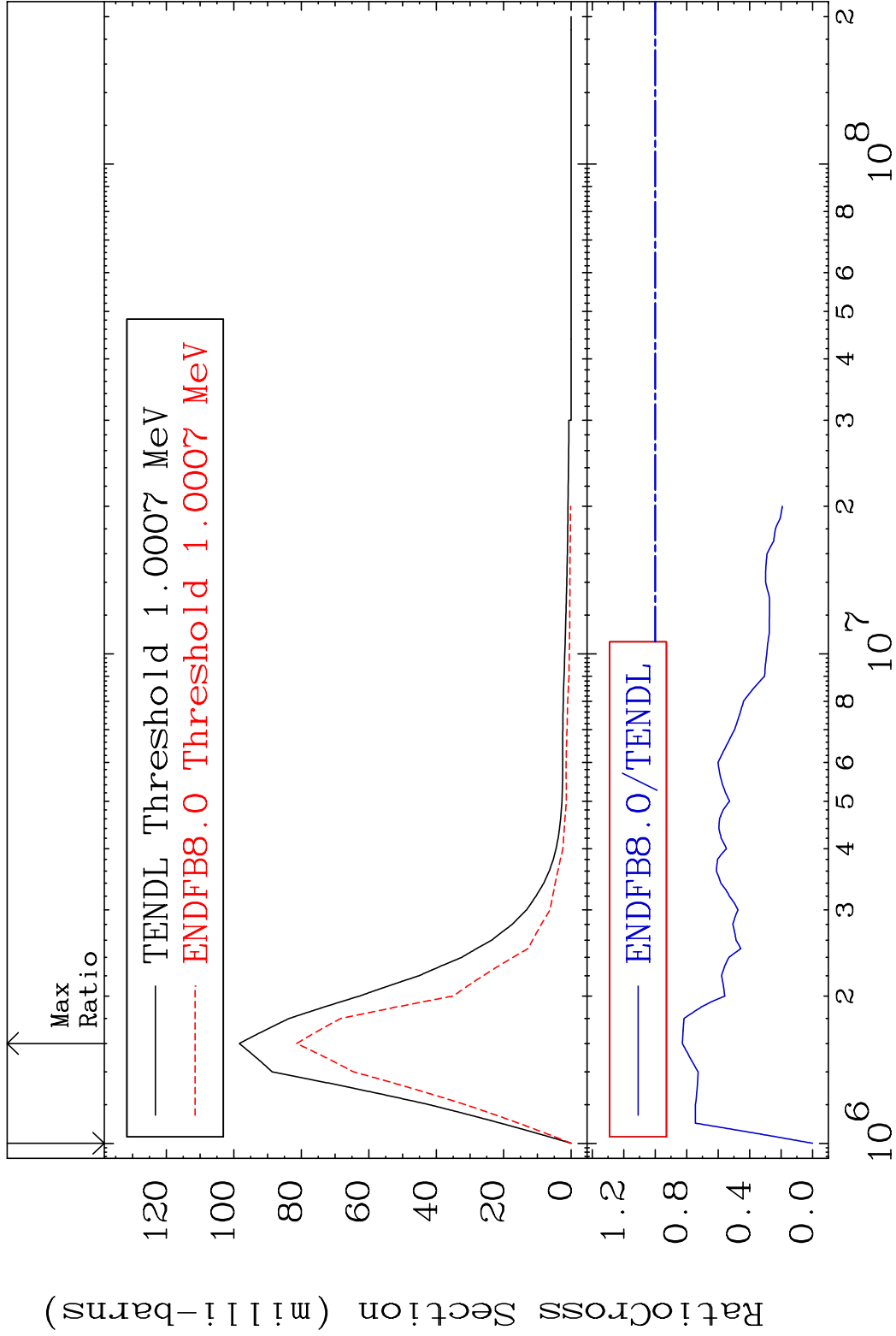


MAT 6843 MT= 56 (n,n') Level 68-Er-168
Cross Section -70.74 To 43.31 %



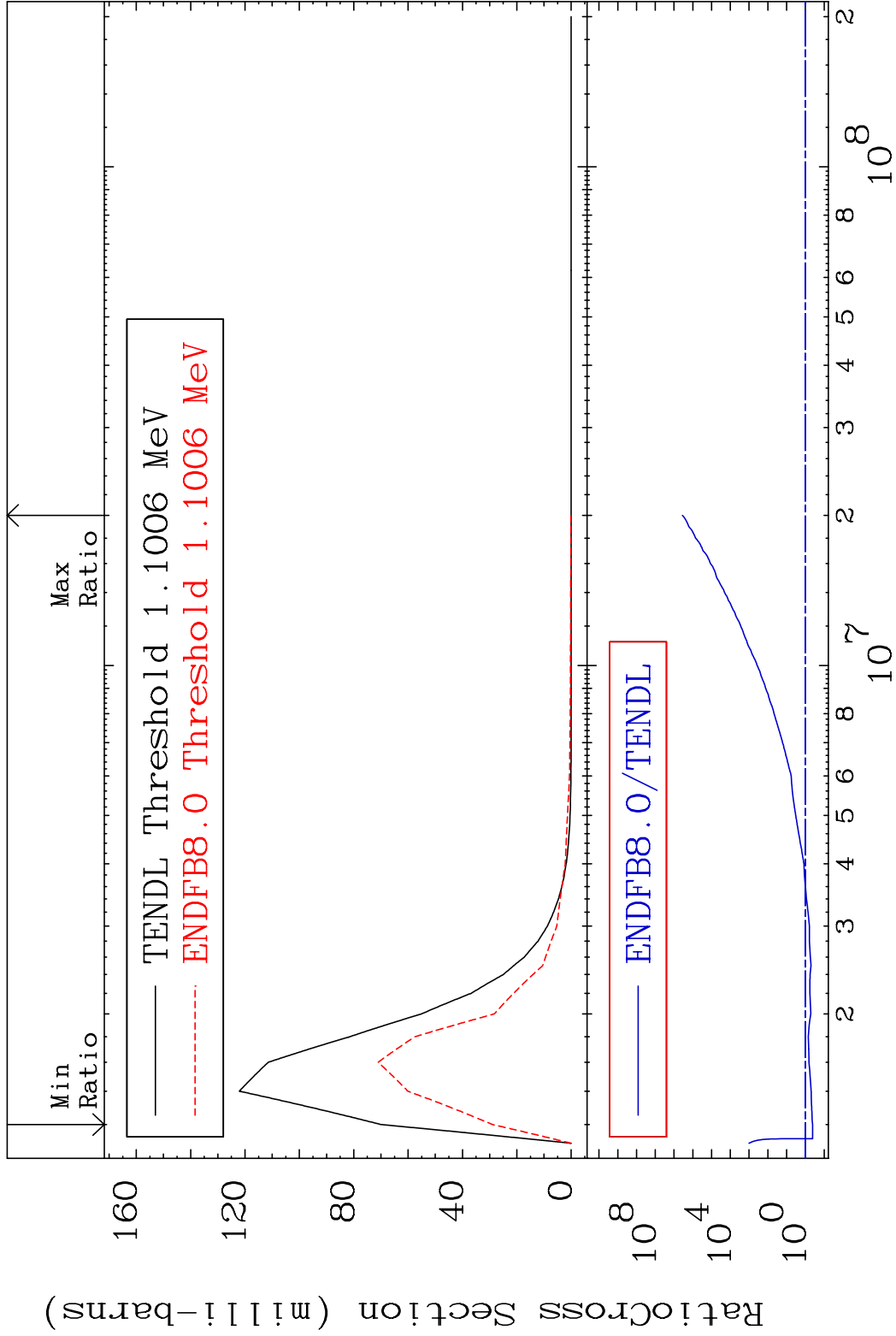
14 Incident Energy (eV) 68-Er-168

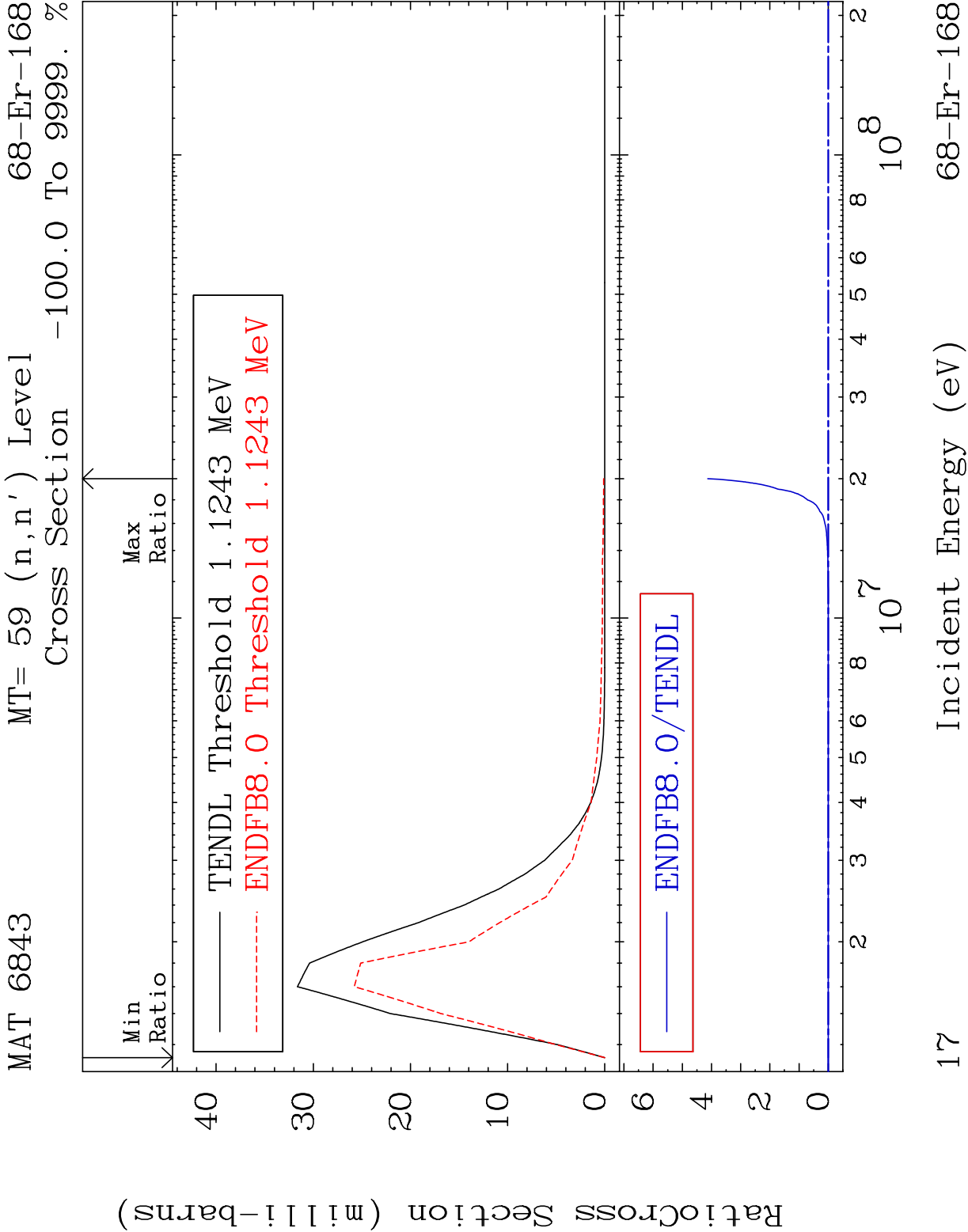
MAT 6843 MT= 57 (n,n') Level 68-Er-168
Cross Section -100.0 To -17.25%



15 Incident Energy (eV) 68-Er-168

MAT 6843 MT= 58 (n,n') Level 68-Er-168
Cross Section -58.61 To 9999. %





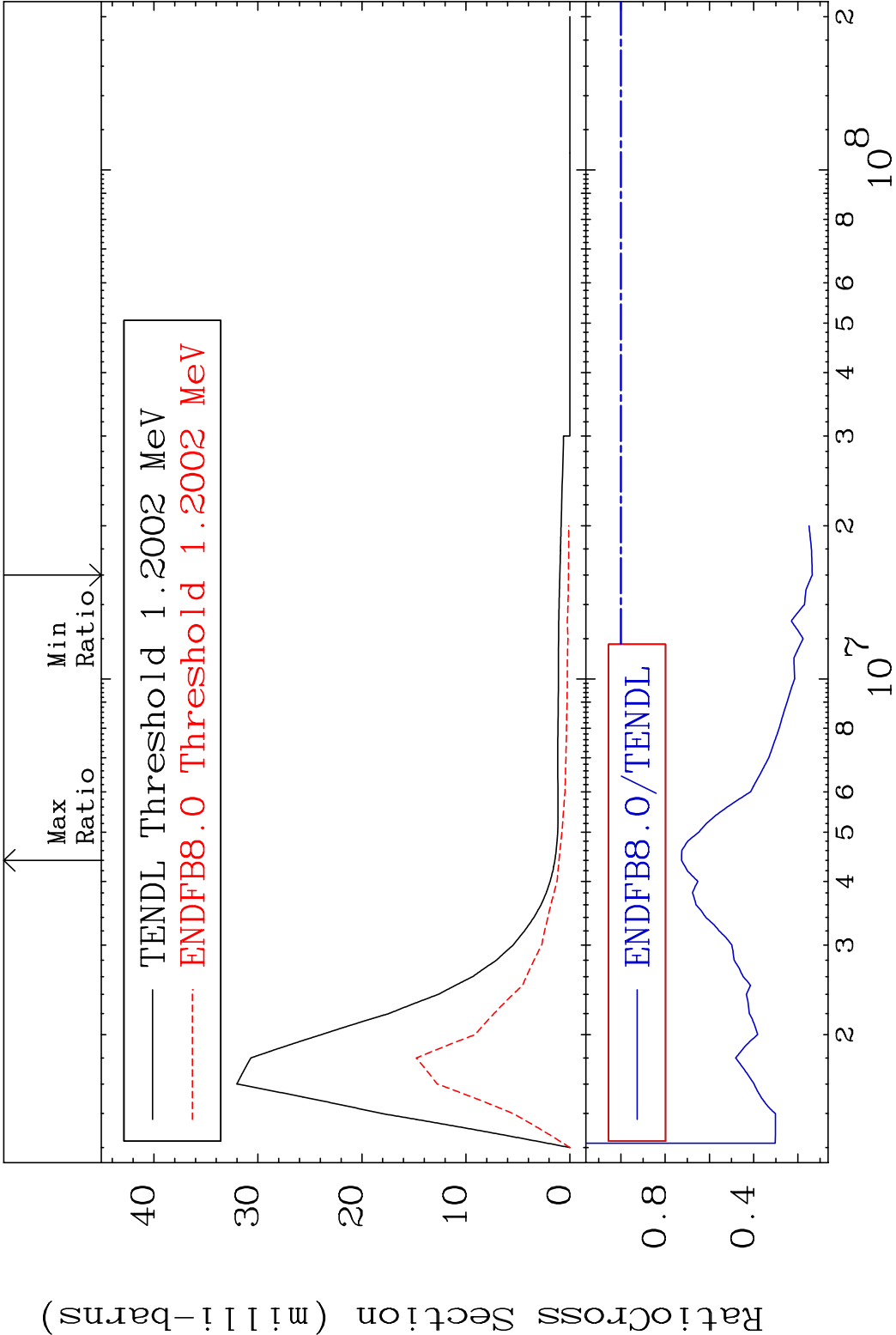
MAT 6843

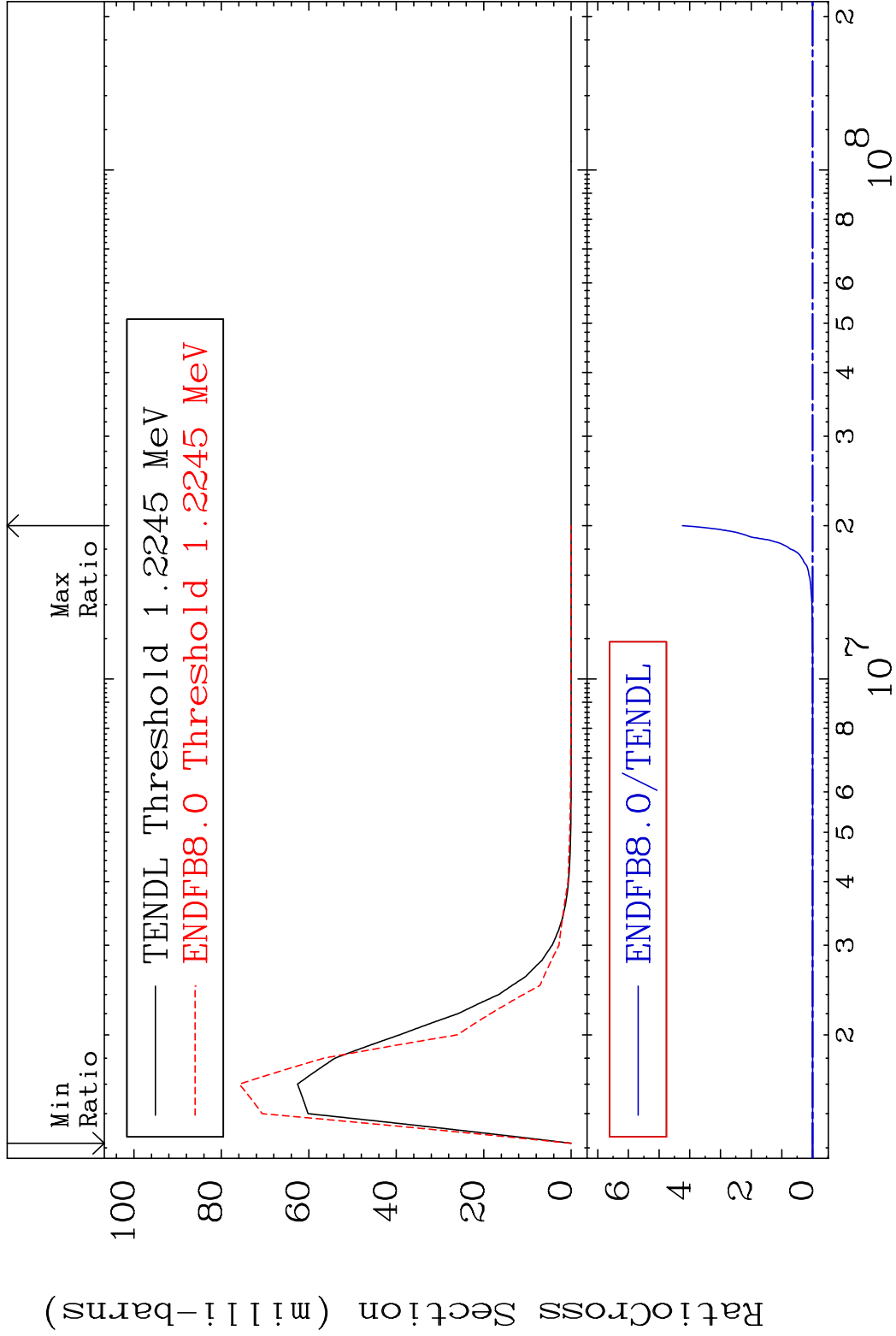
MT= 60 (n,n') Level

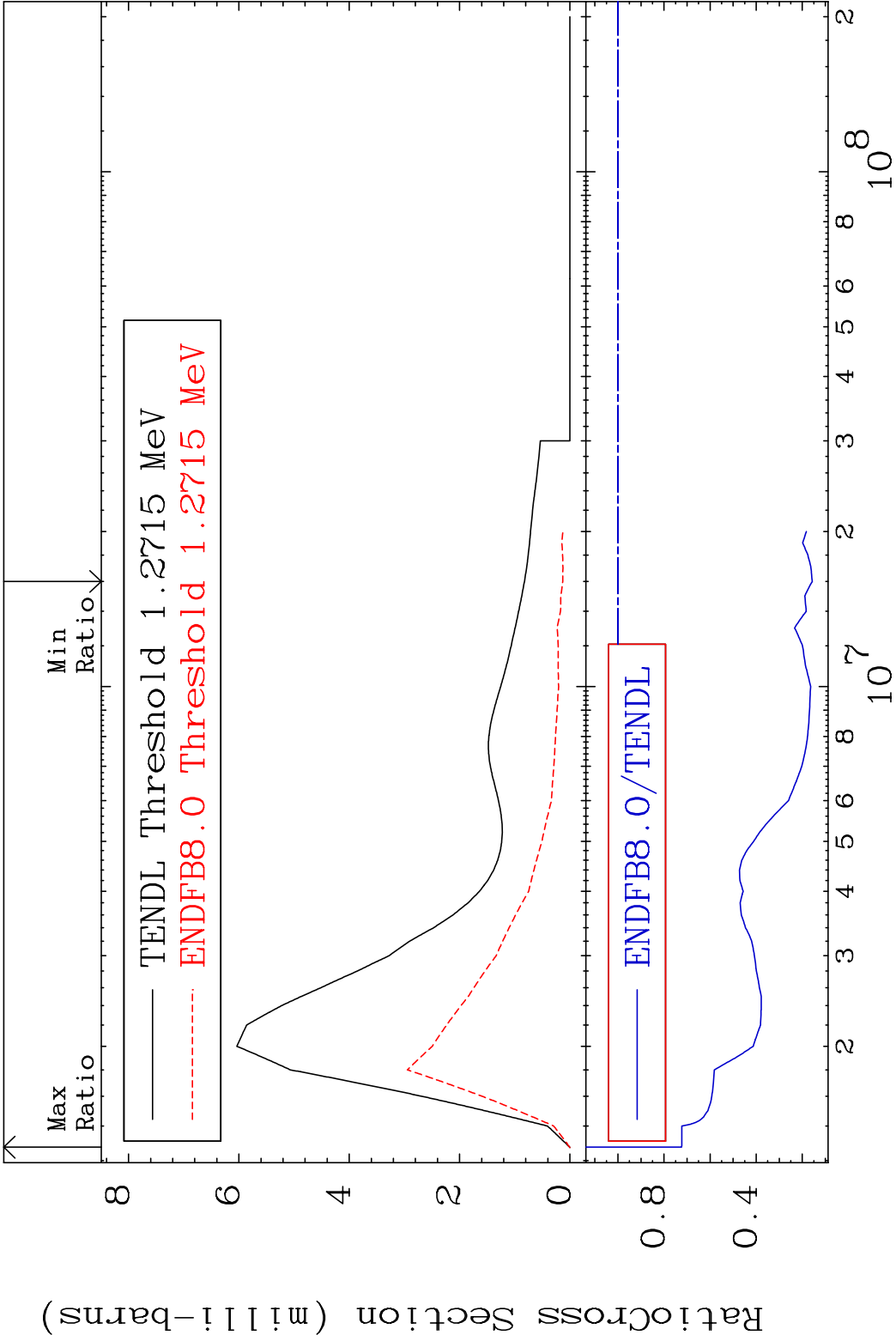
68-Er-168

Cross Section

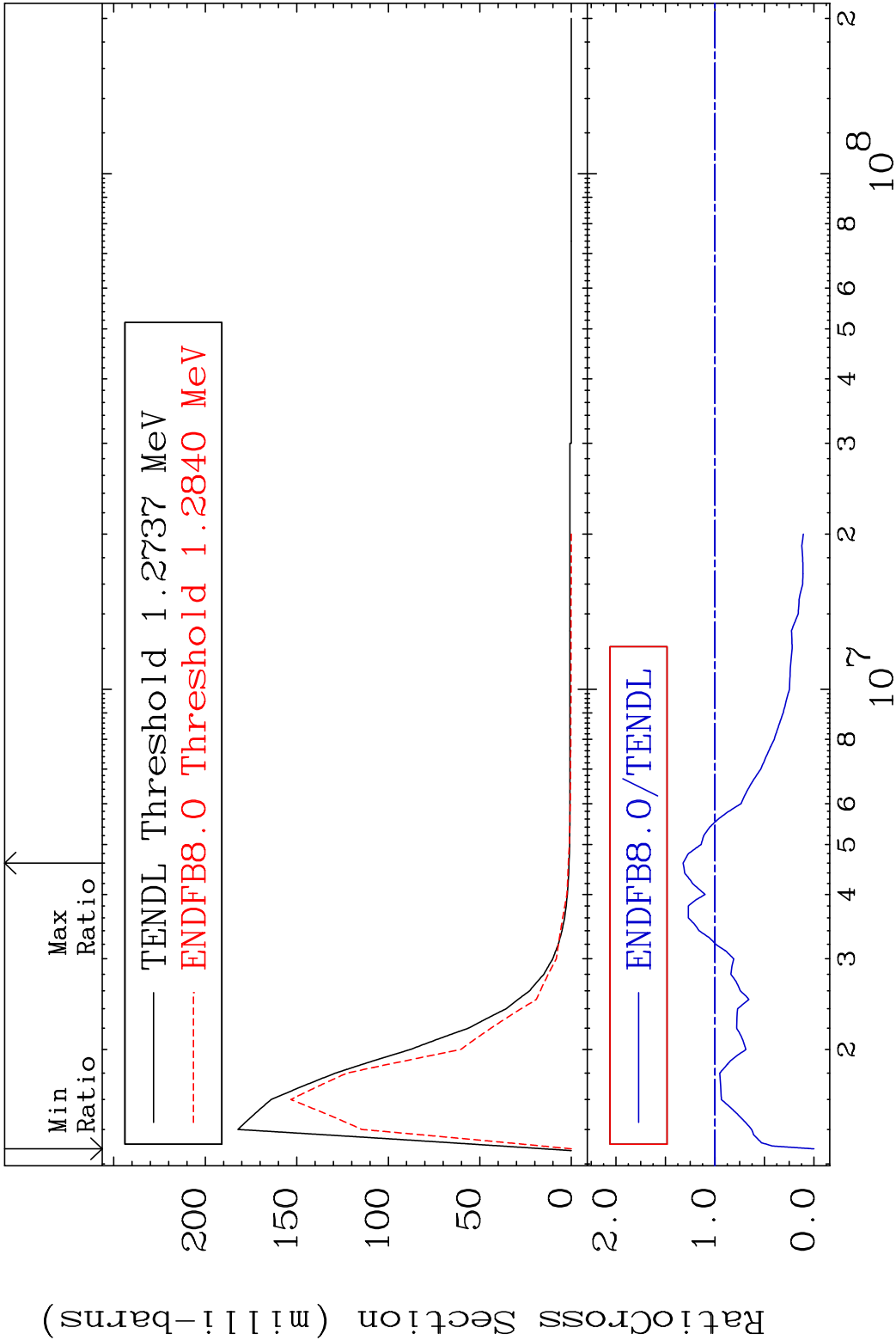
-86.46 To -27.40%

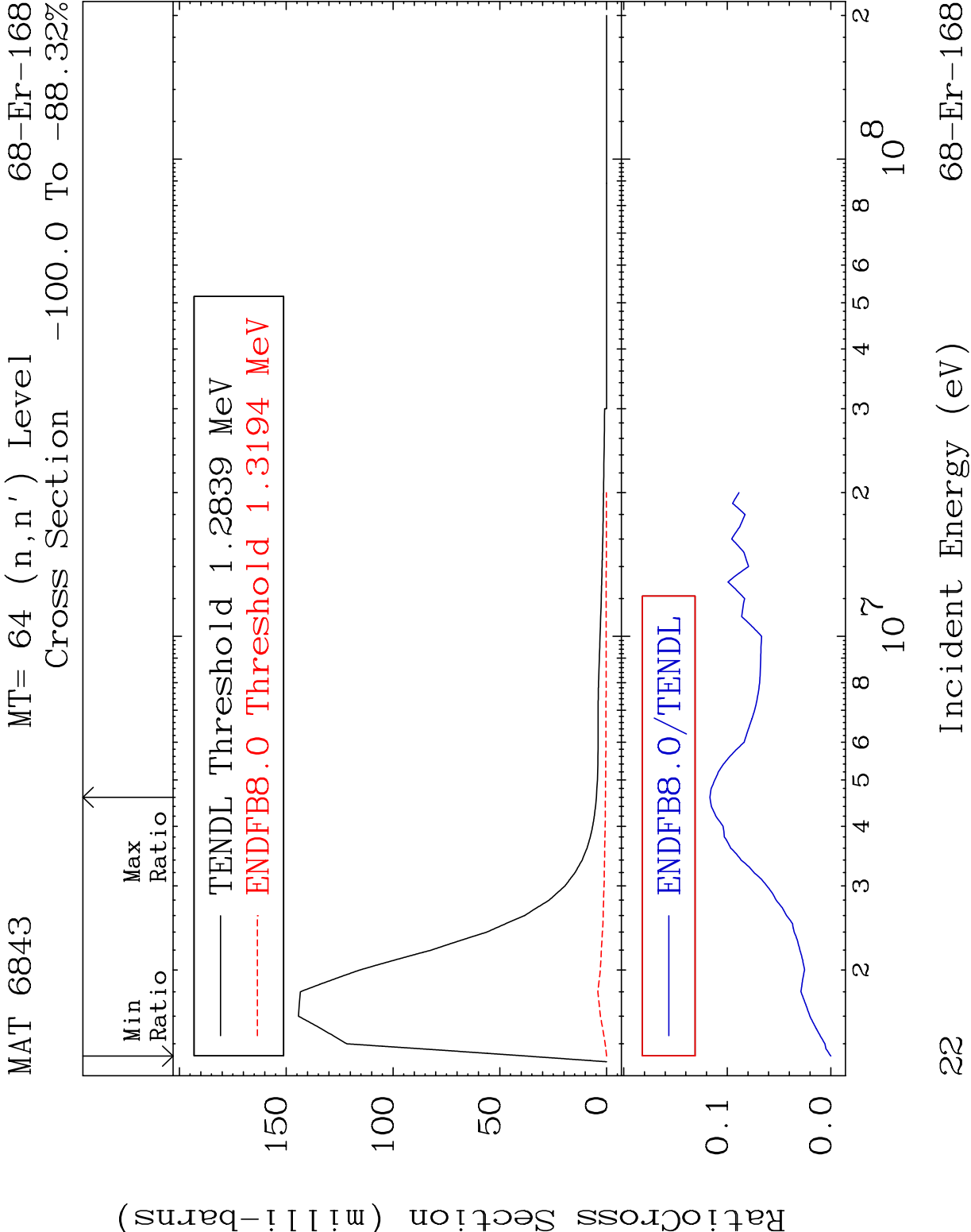






MAT 6843 MT= 63 (n,n') Level 68-Er-168
 Cross Section -100.0 To 32.17 %



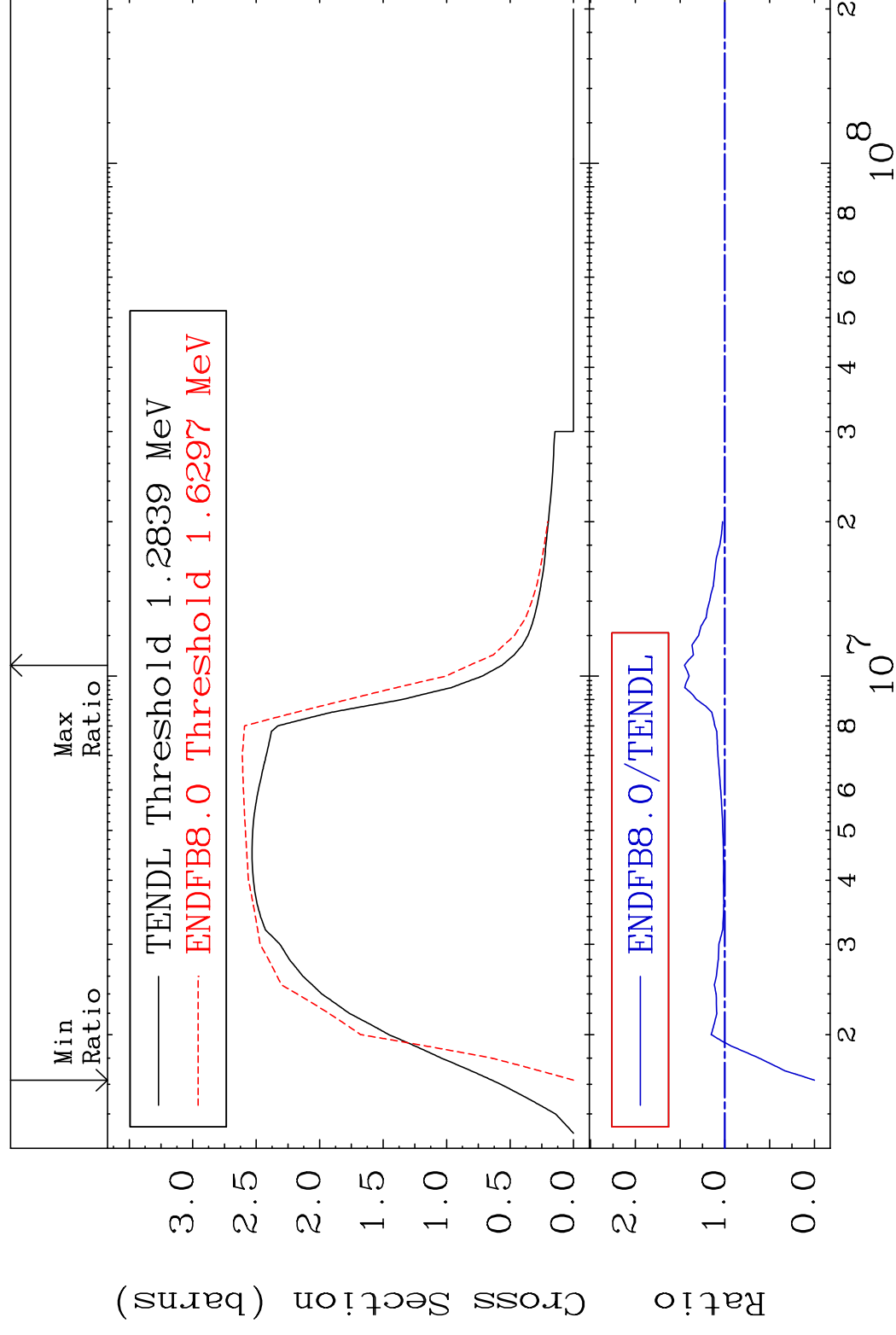


MAT 6843

(n,n') Continuum

68-Er-168

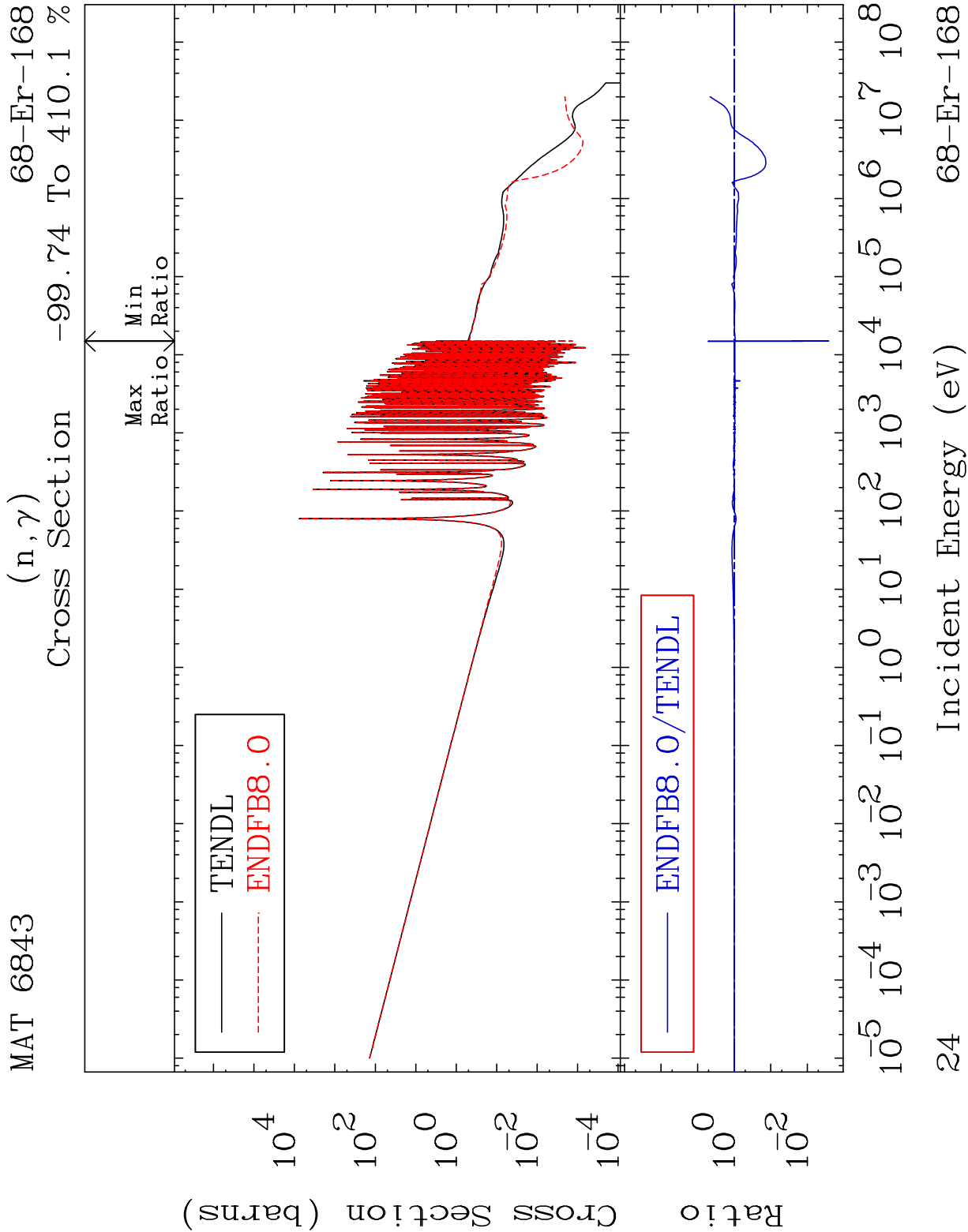
-100.0 To 45.16 %

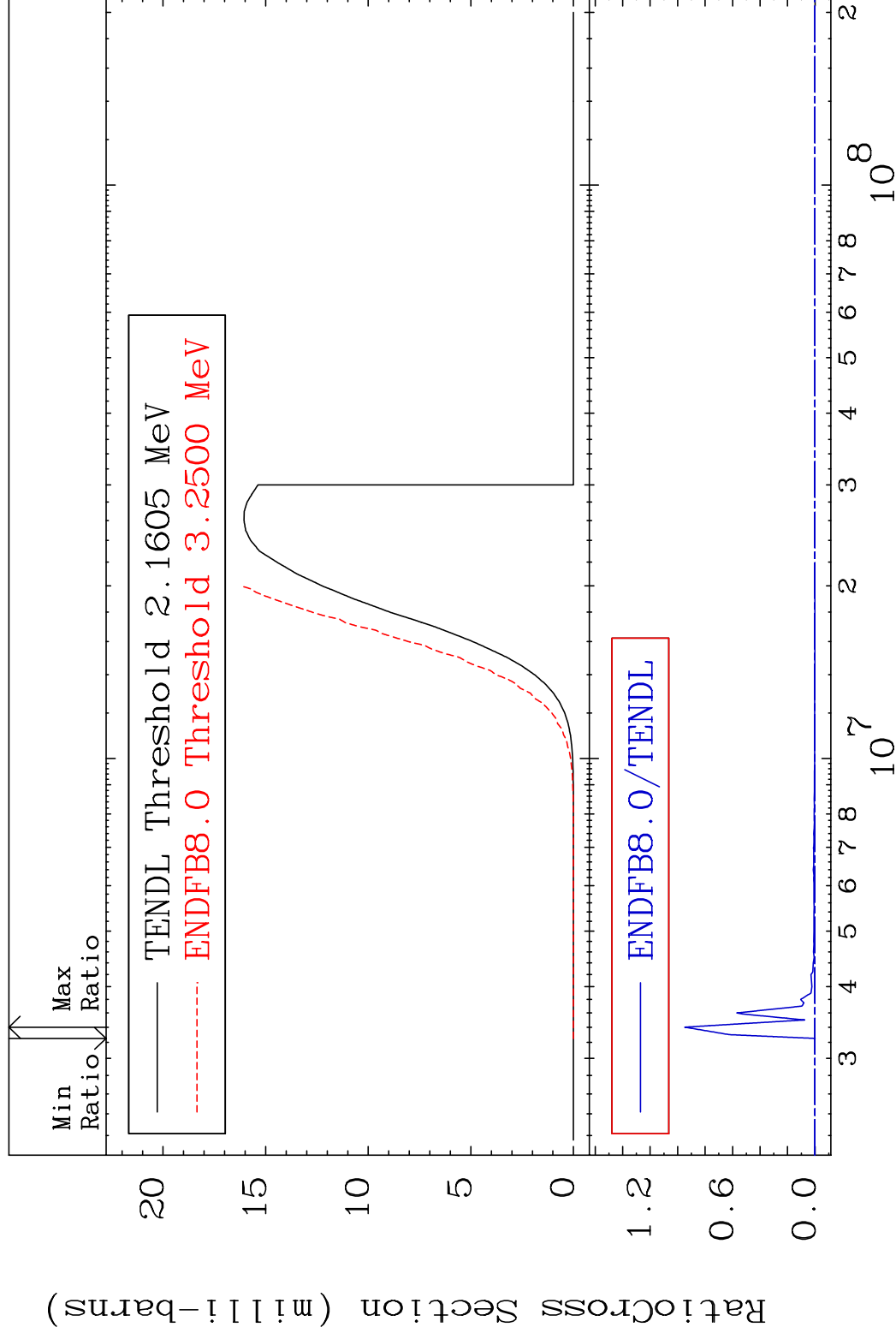


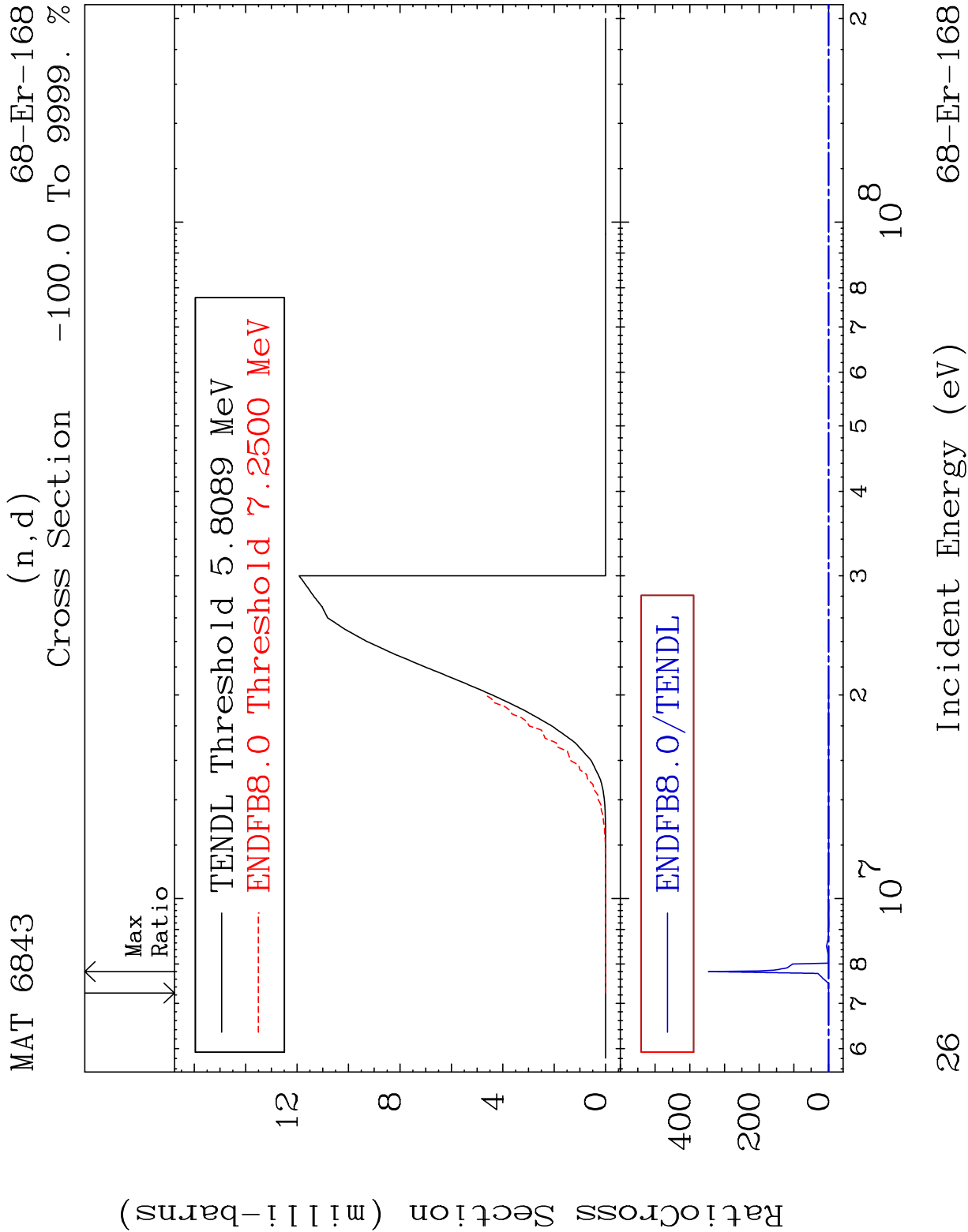
32

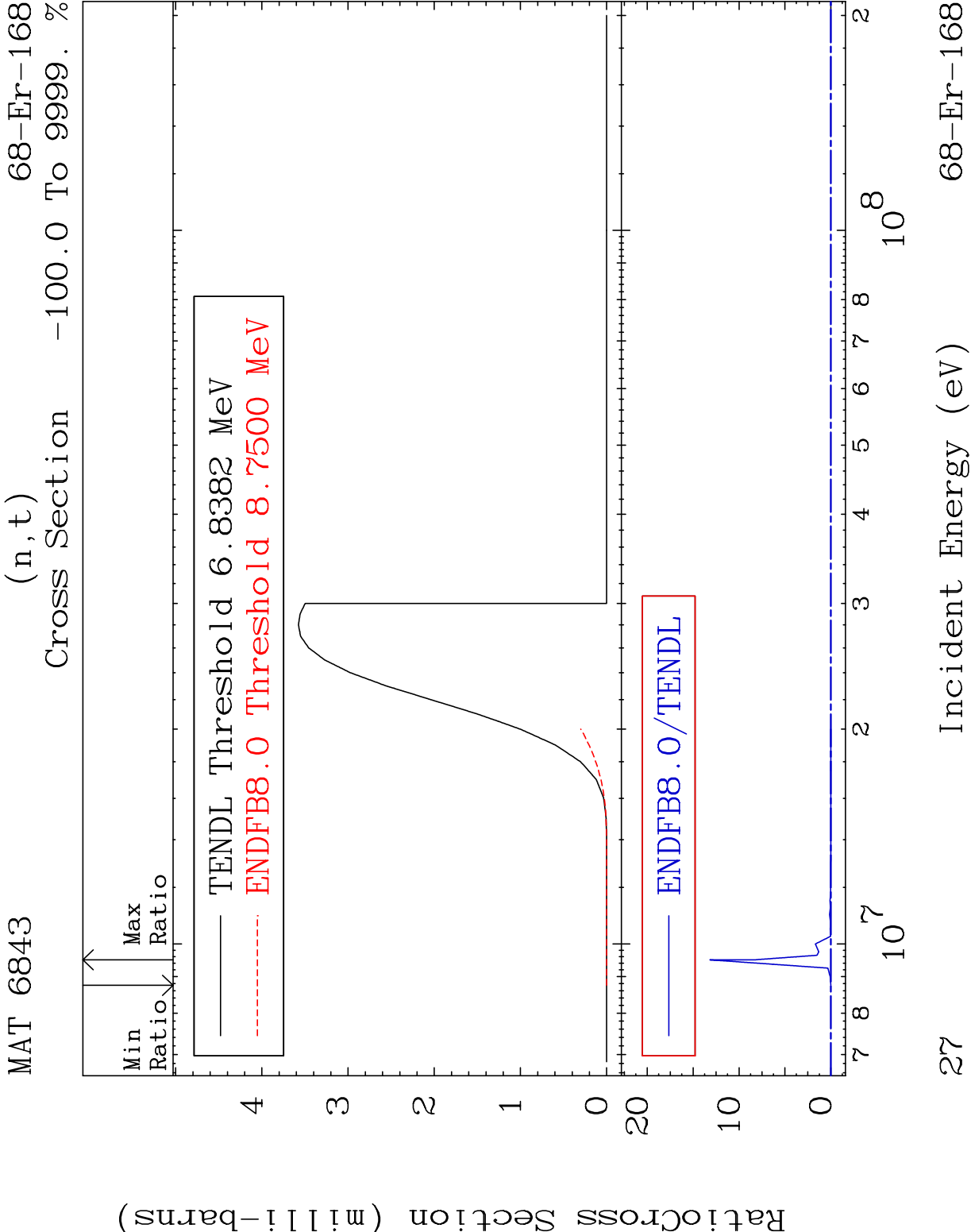
Incident Energy (eV)

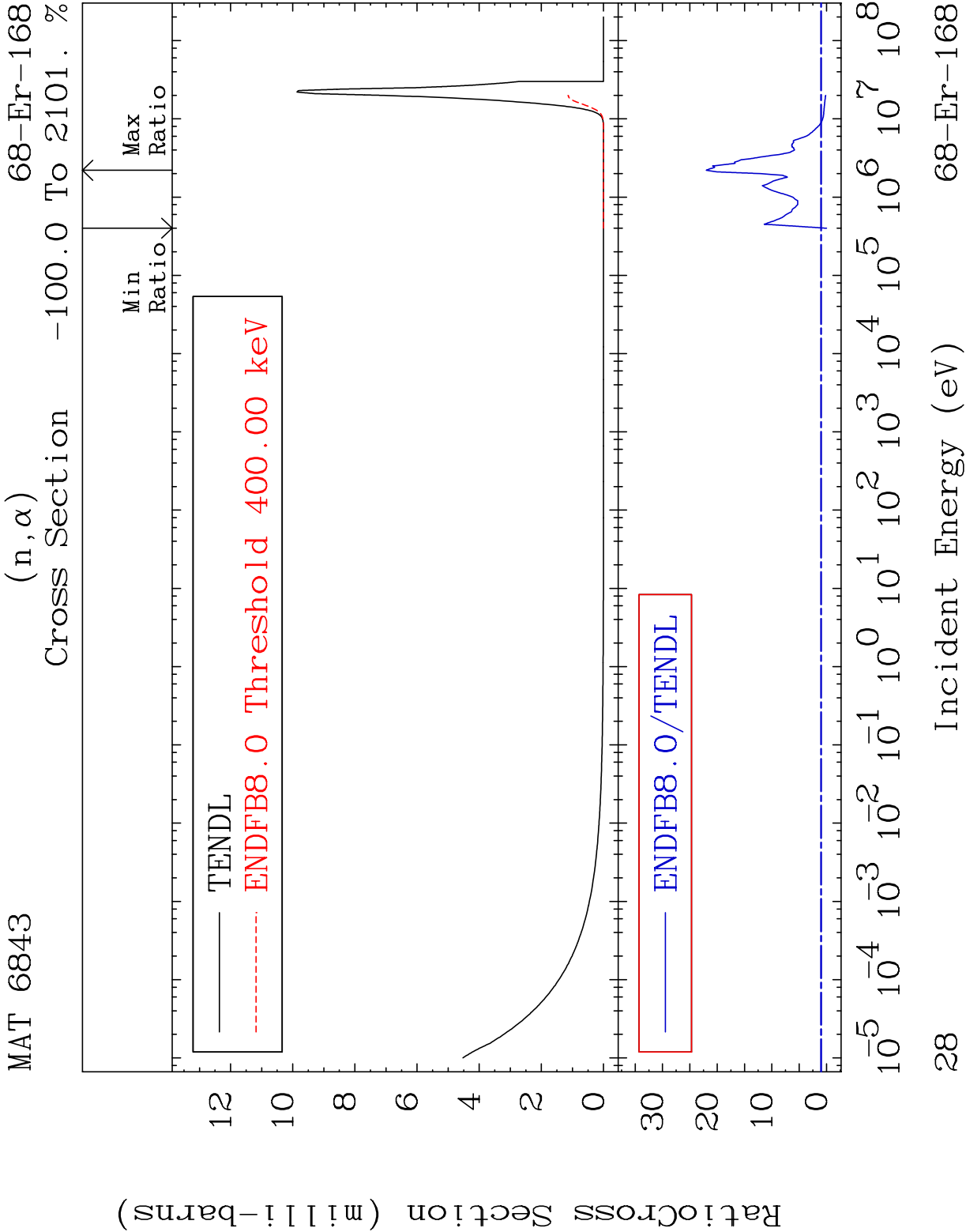
68-Er-168

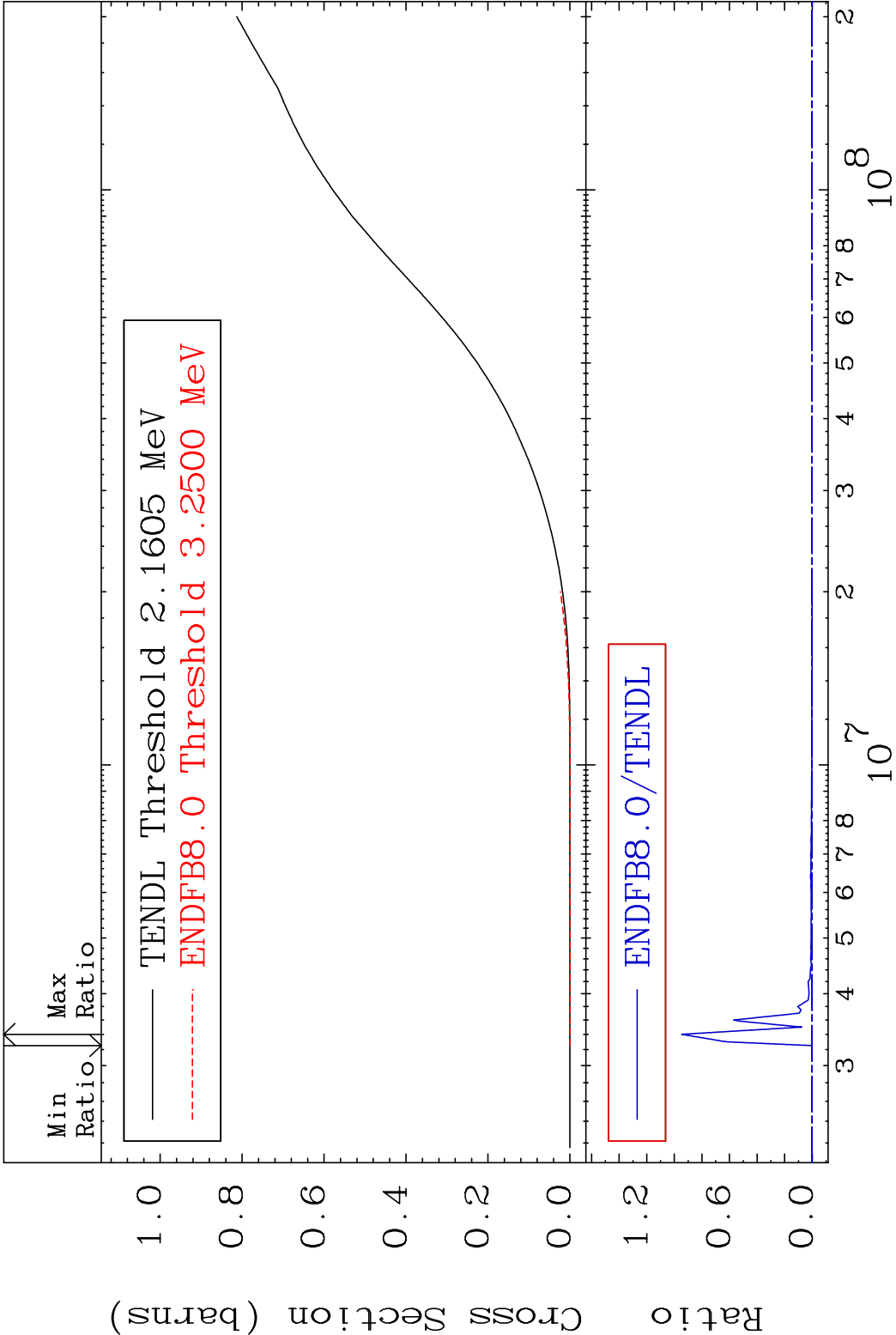


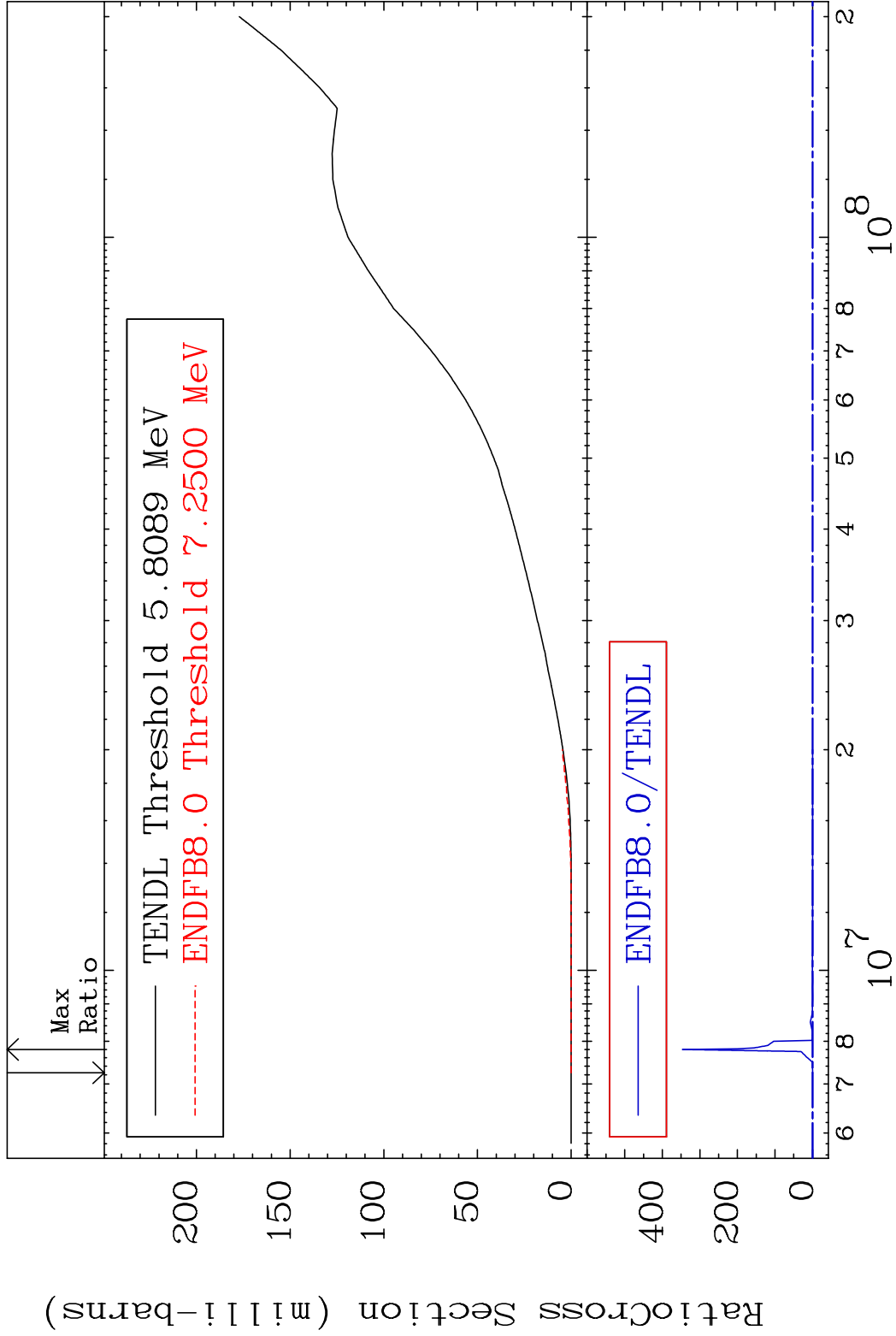


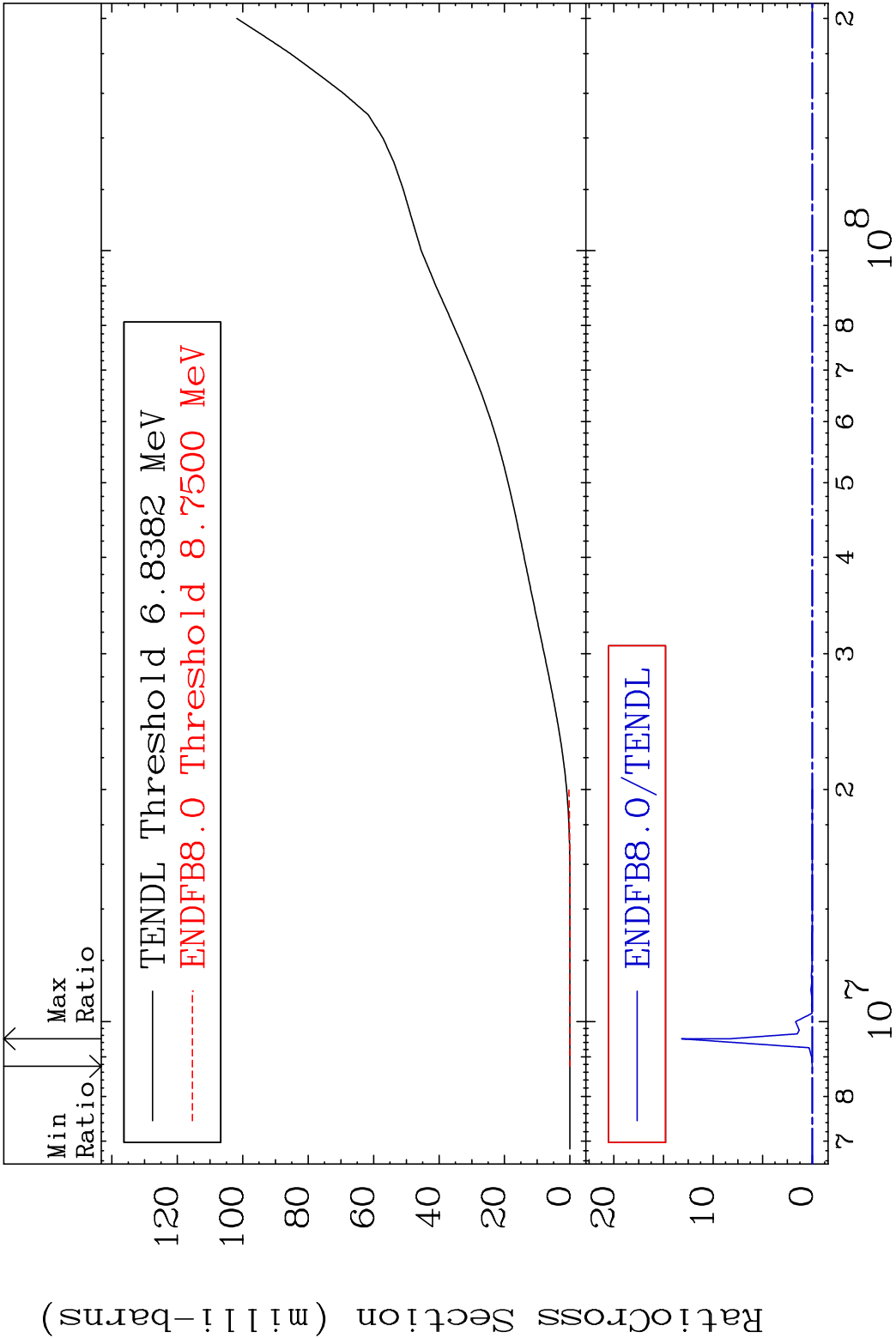


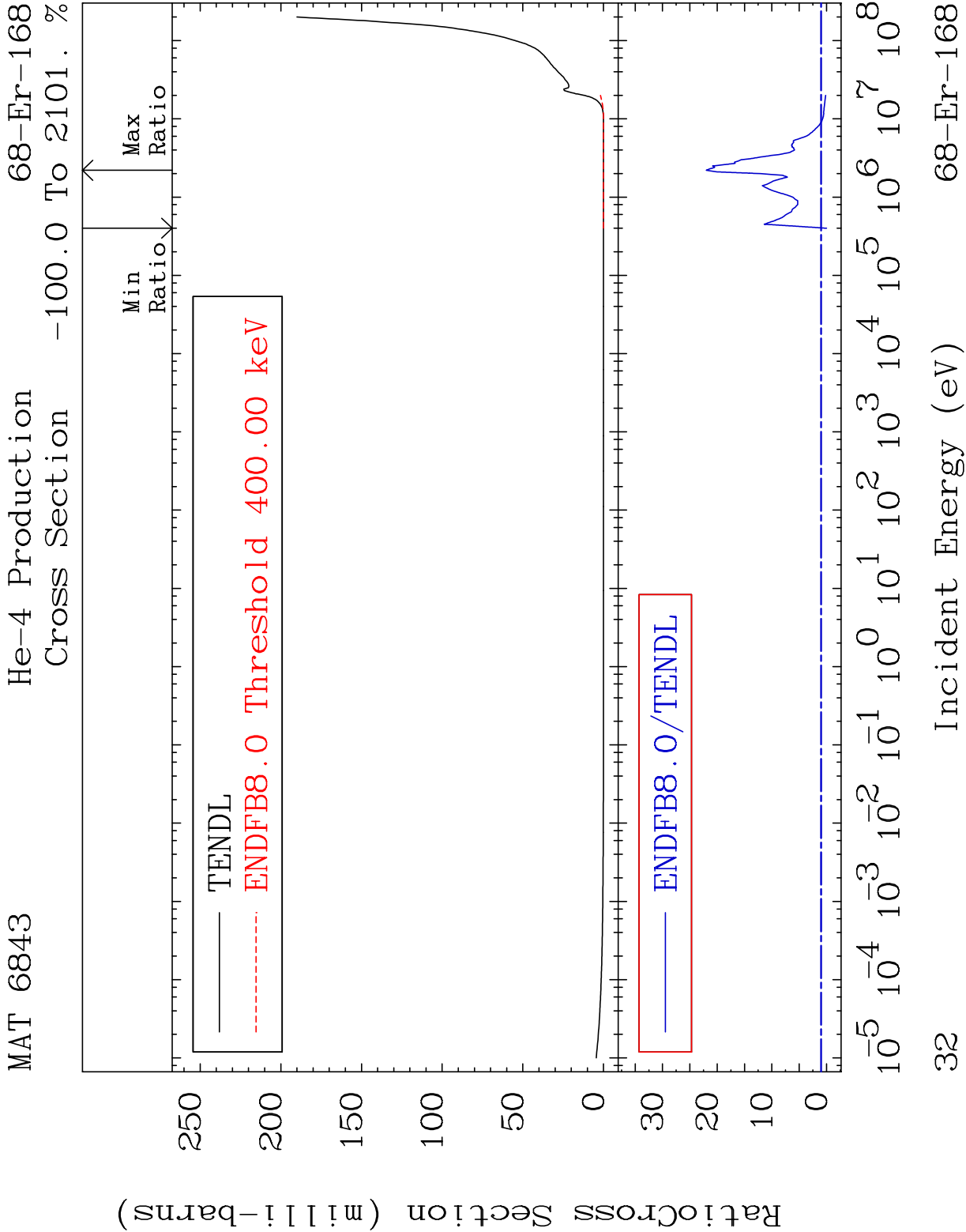




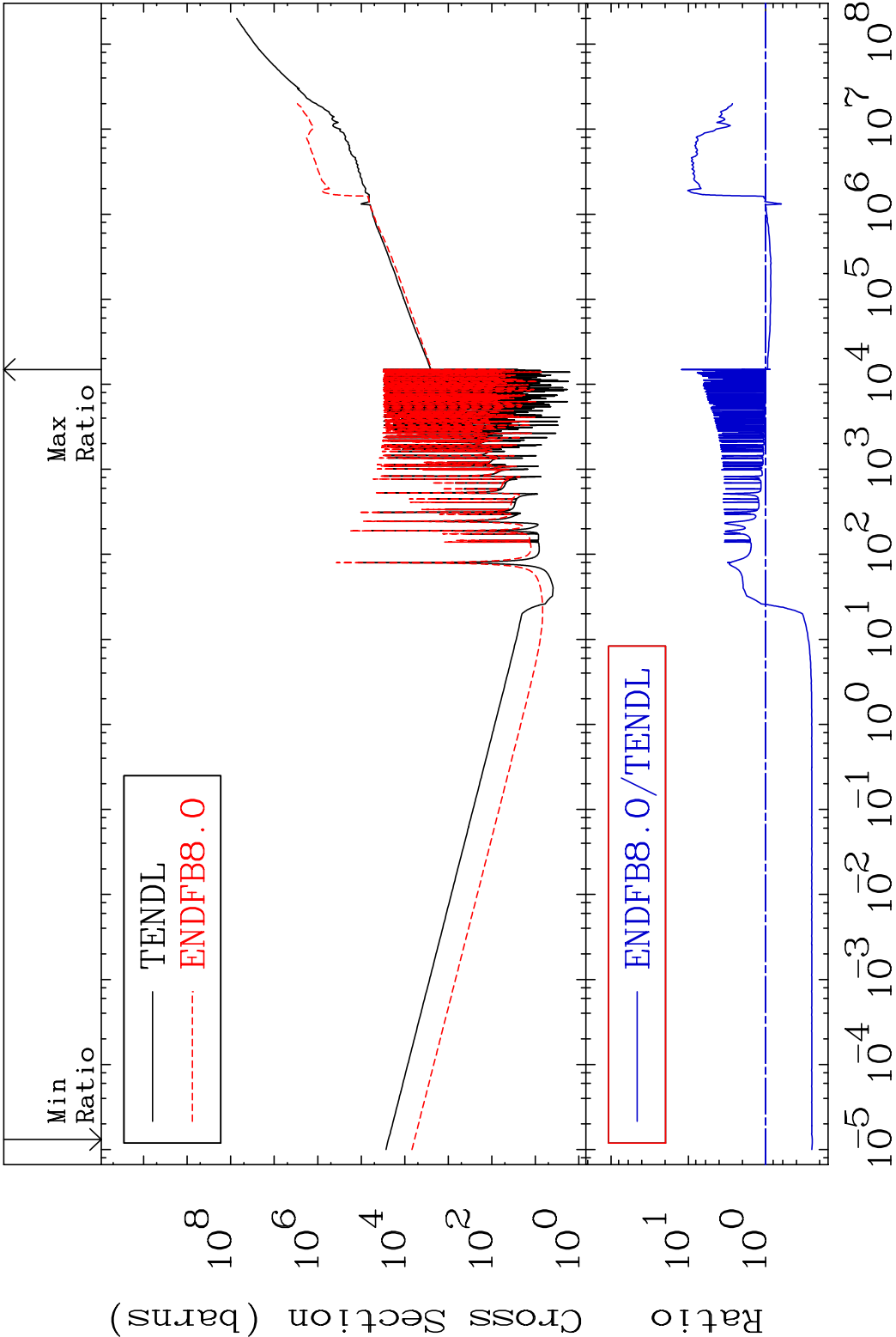






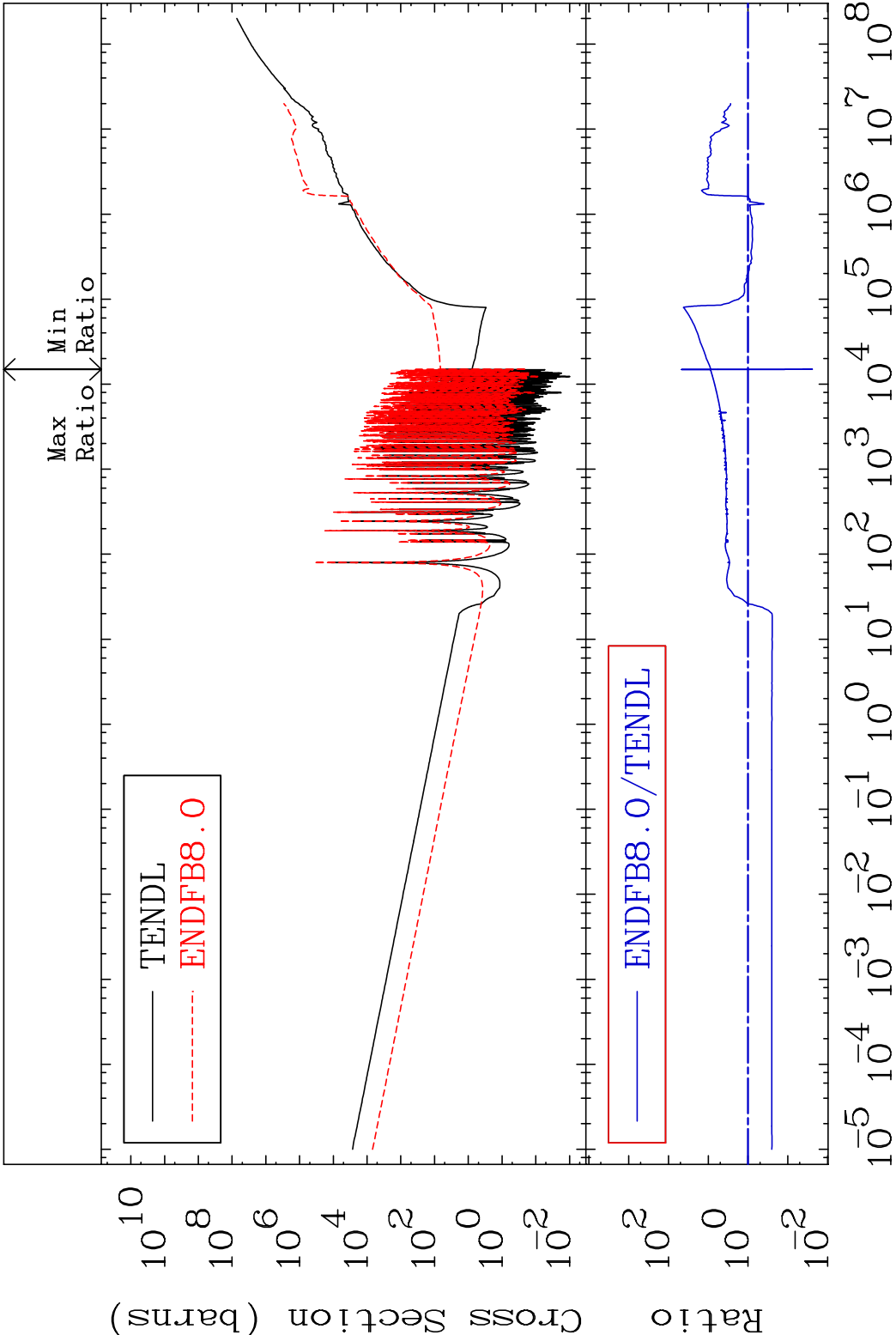


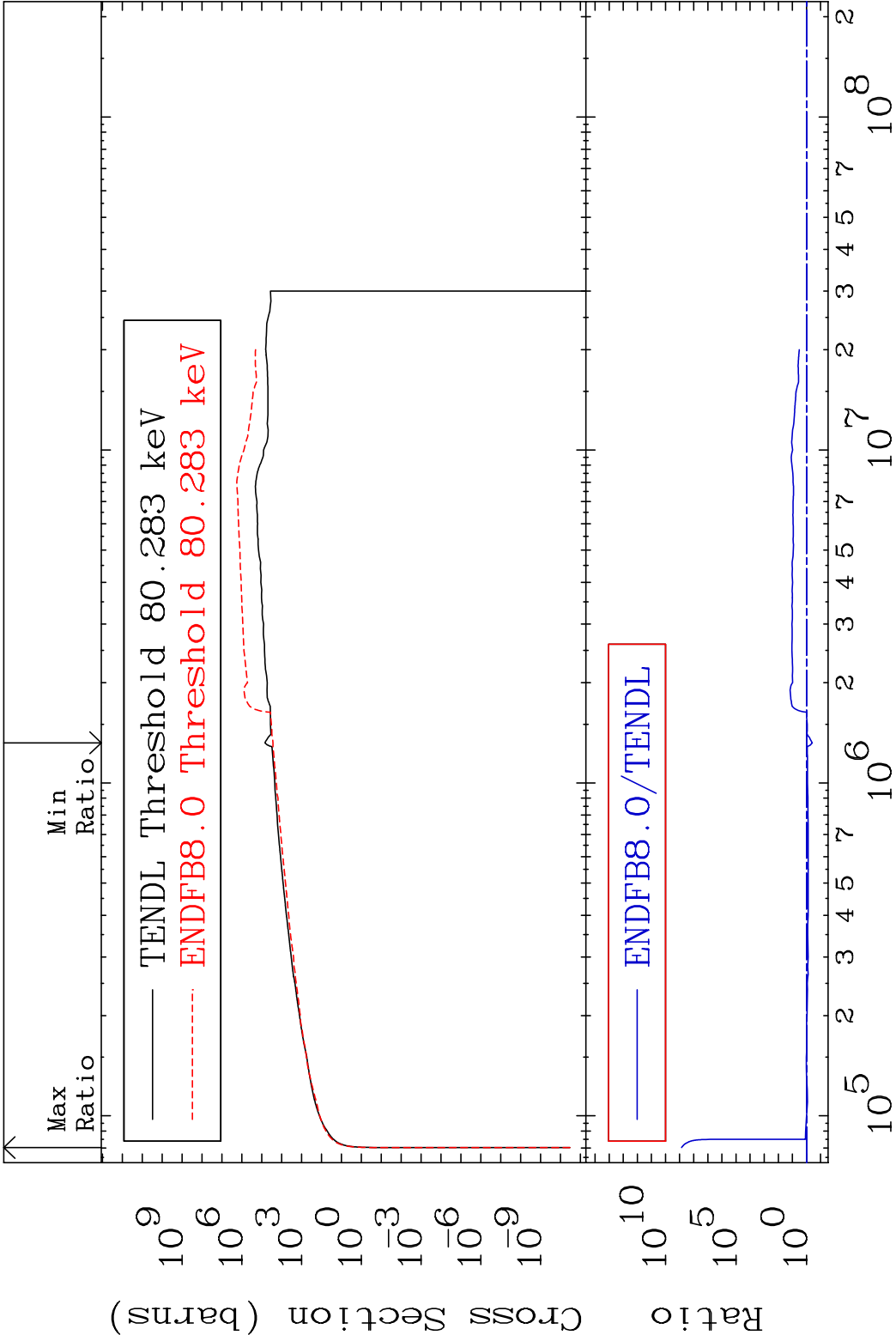
MAT 6843 Kerma total (eV-barns) 68-Er-168
Cross Section -75.01 To 1126. %



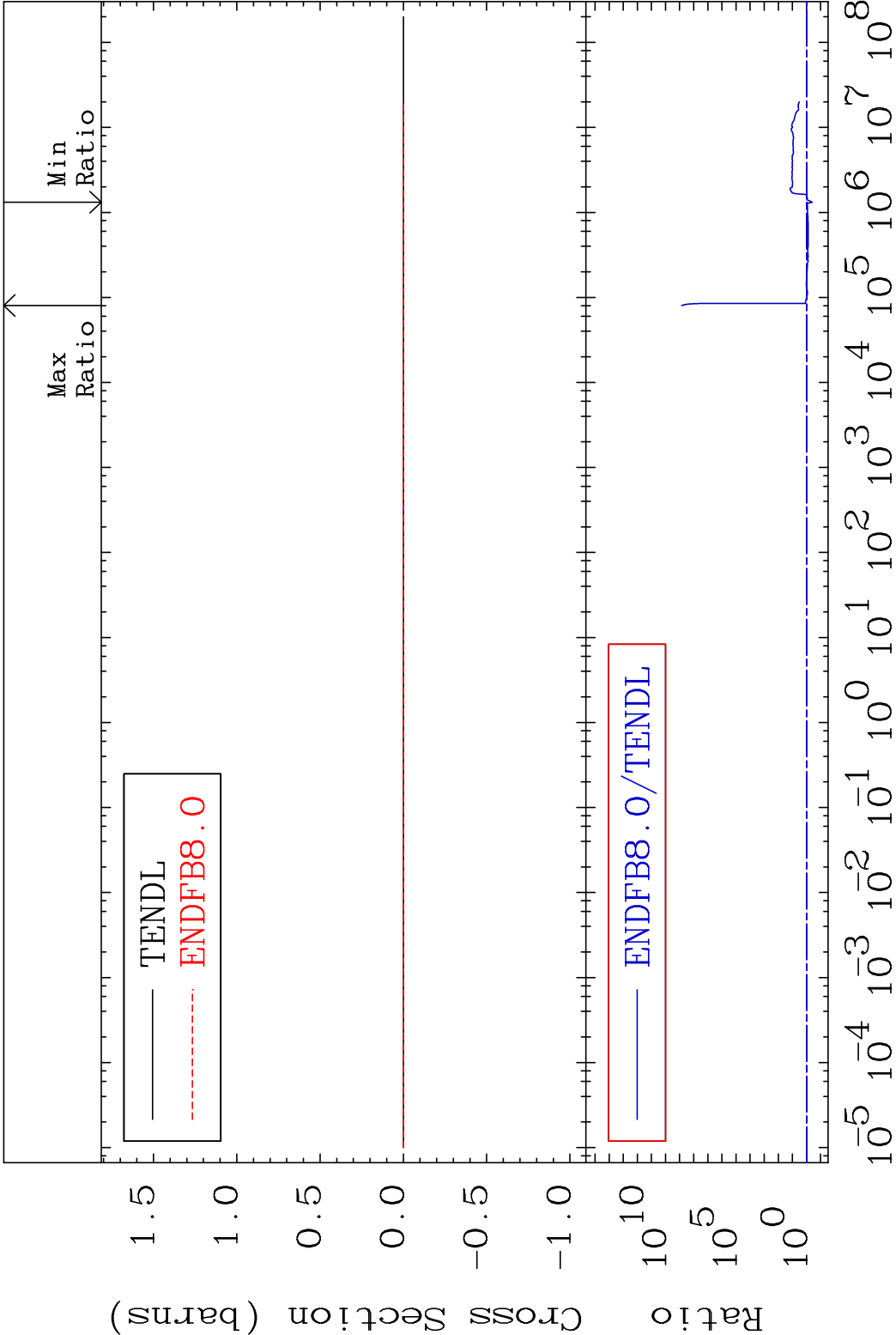
33 Incident Energy (eV) 68-Er-168

MAT 6843 Kerma non-elastic (all but mt2) 68-Er-168
 Cross Section -97.57 To 4590. %

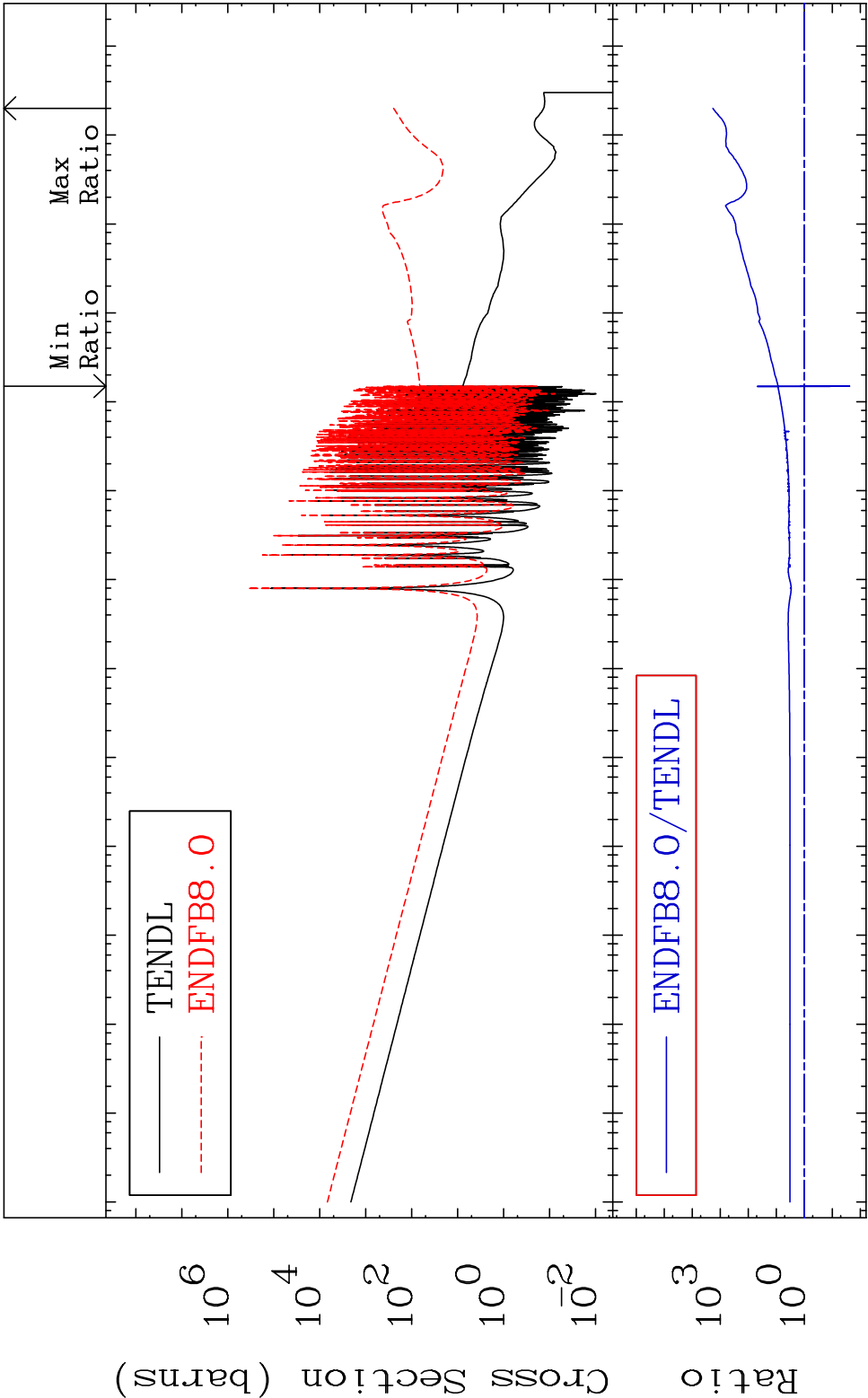


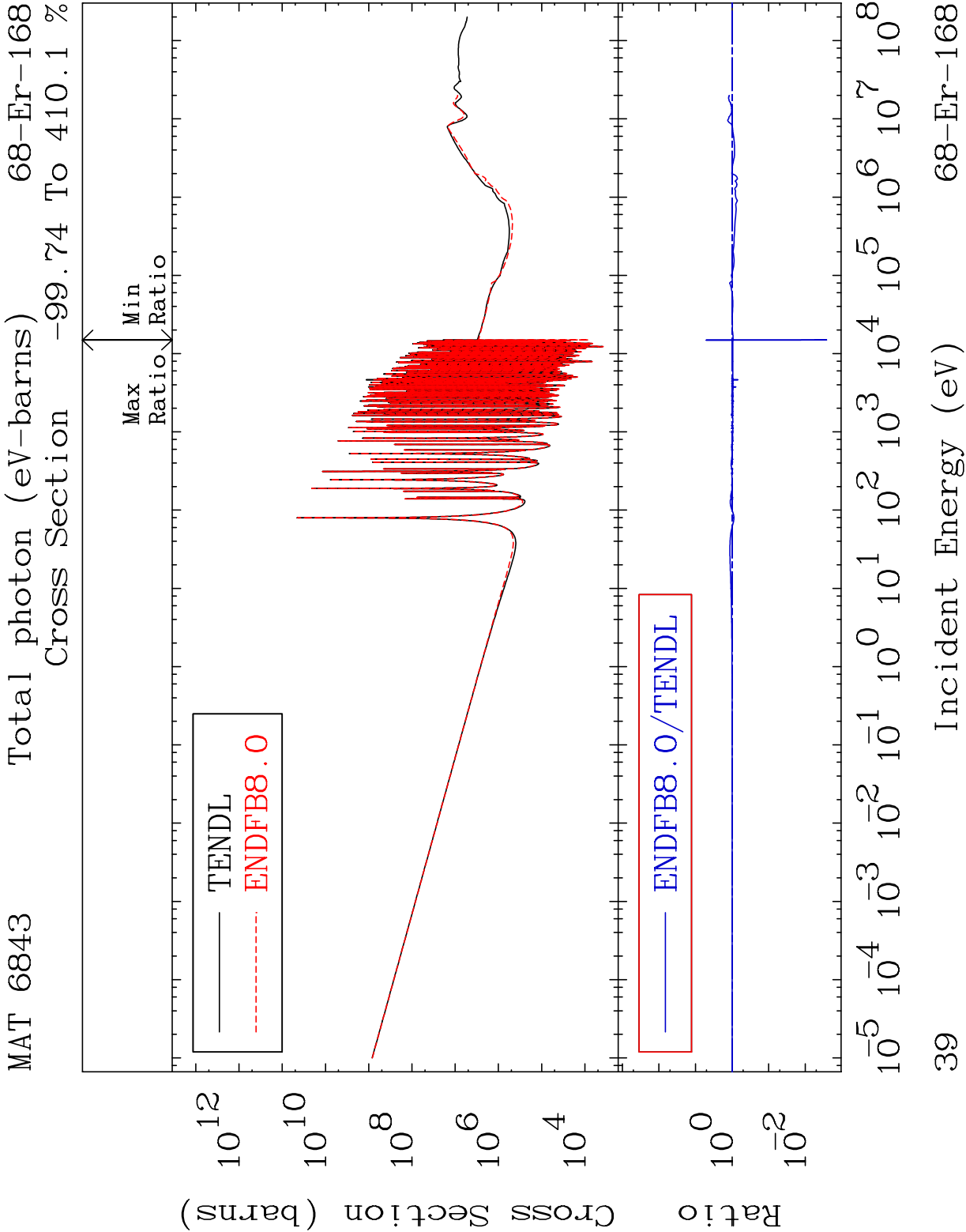


MAT 6843Kerma fission (mt18 or mt19-20-21-38)68-Er-168
Cross Section -60.85 To 9999. %



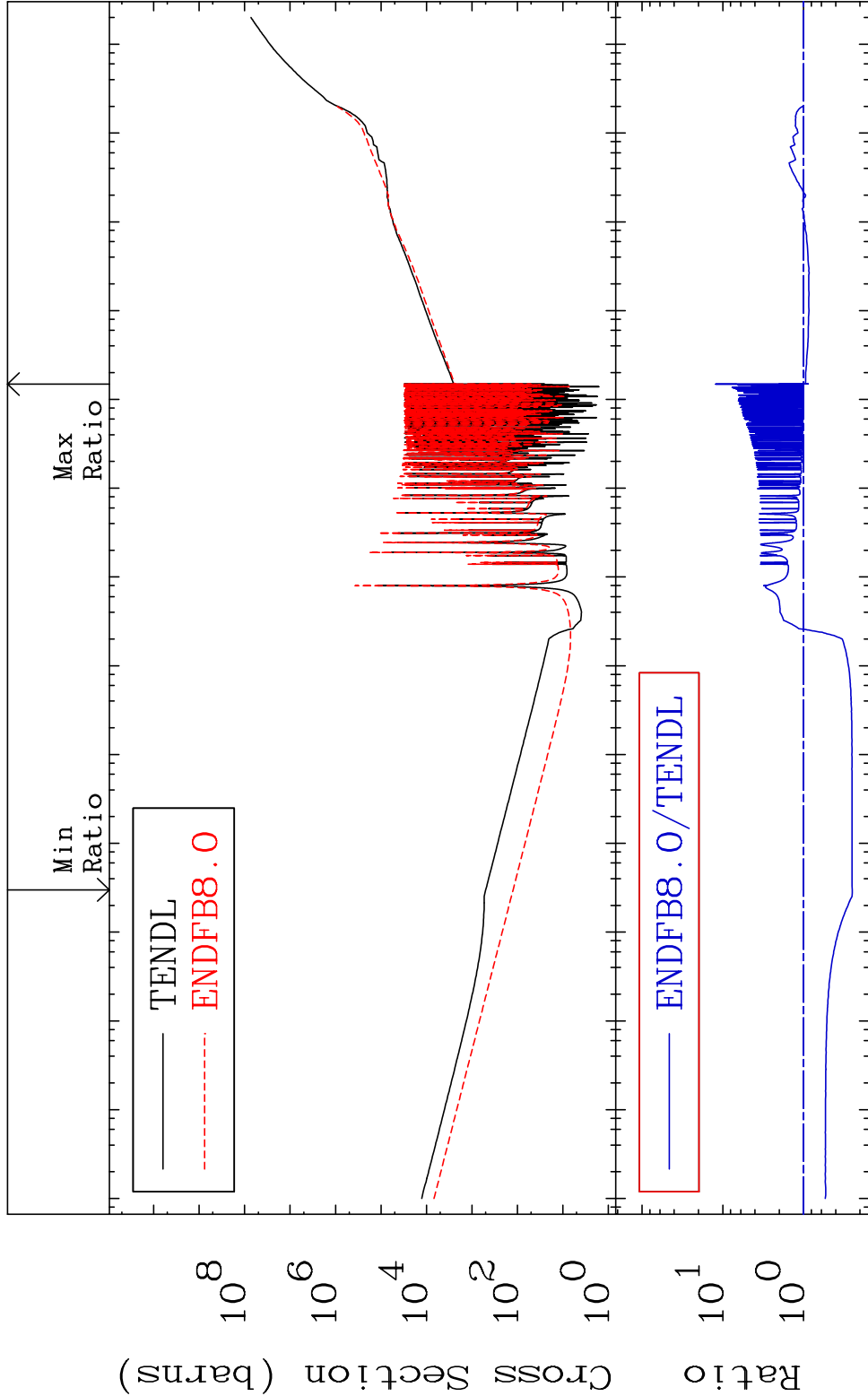
37 Incident Energy (eV) 68-Er-168





MAT 6843 Total kinematic kerma (high limit) 68-Er-168

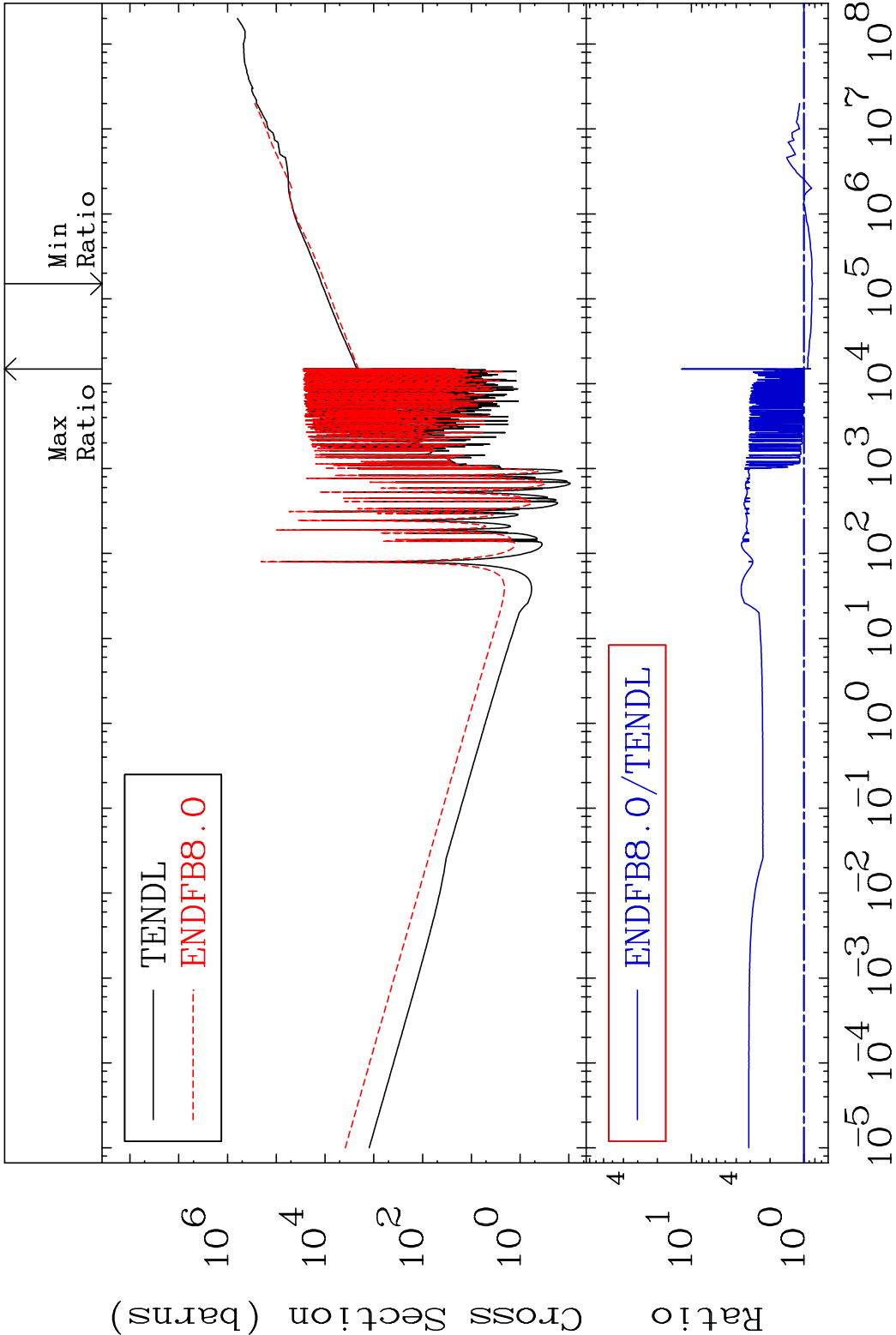
Cross Section -75.03 To 1126. %



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

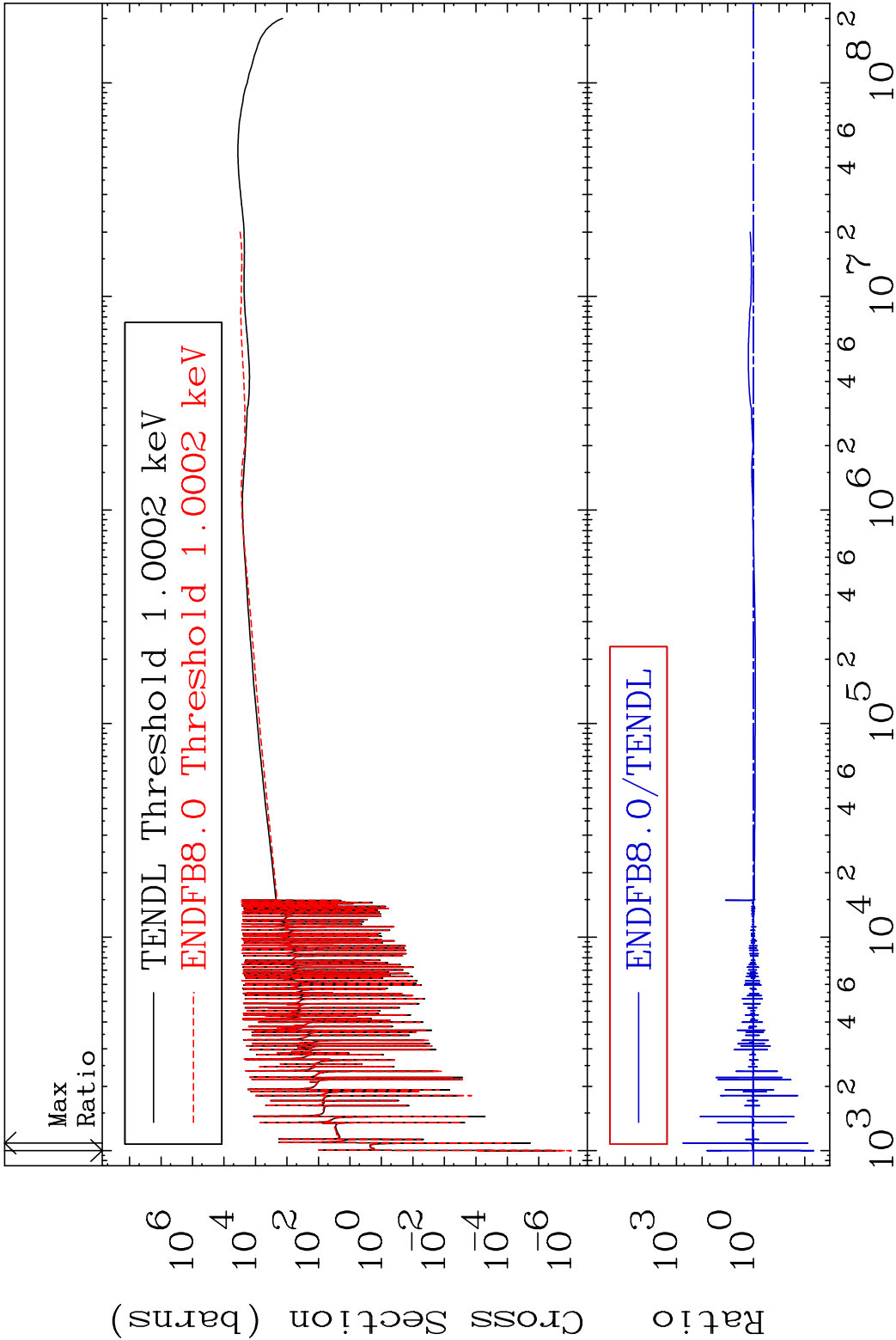
40 Incident Energy (eV) 68-Er-168

MAT 6843 Dpa total (eV-barns) 68-Er-168
Cross Section -15.64 To 1116. %

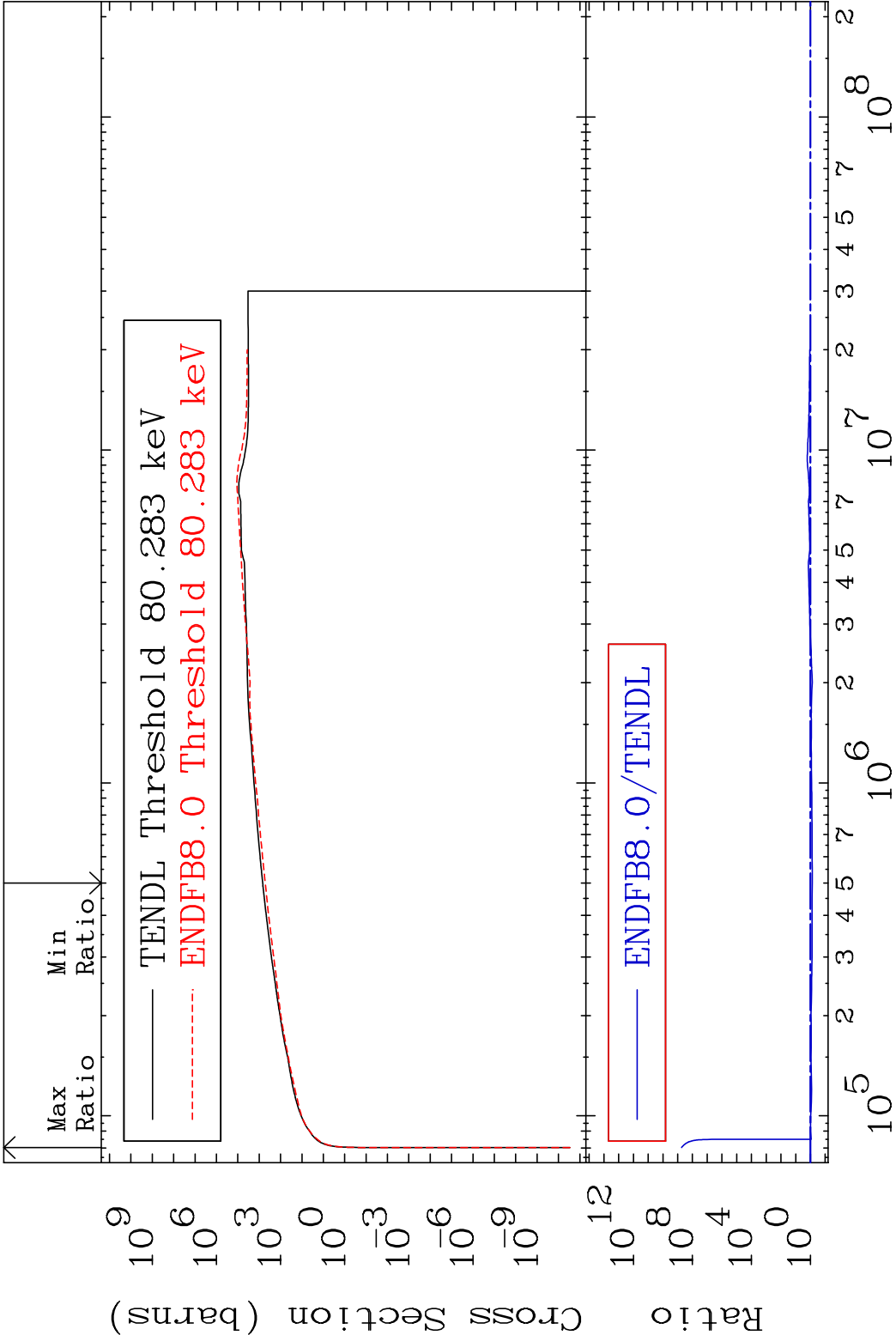


41 Incident Energy (eV) 68-Er-168

MAT 6843 Dpa elastic (mt2) 68-Er-168
Cross Section -99.56 To 9999. %



42 Incident Energy (eV) 68-Er-168



MAT 6843 Dpa disappearance (mt102 -120) 68-Er-168
Cross Section -99.16 To 1533. %

