

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way

Livermore, CA 94550

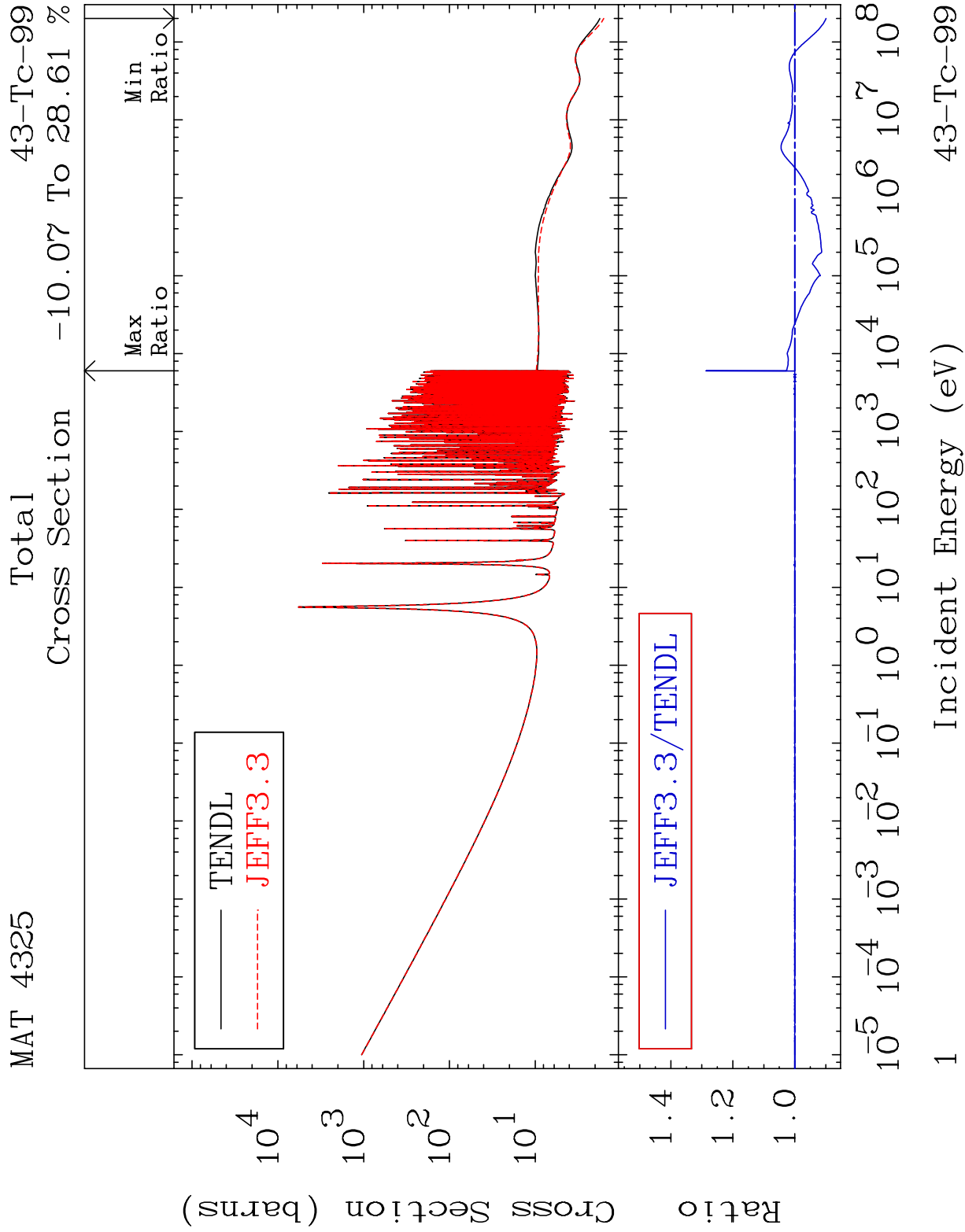
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



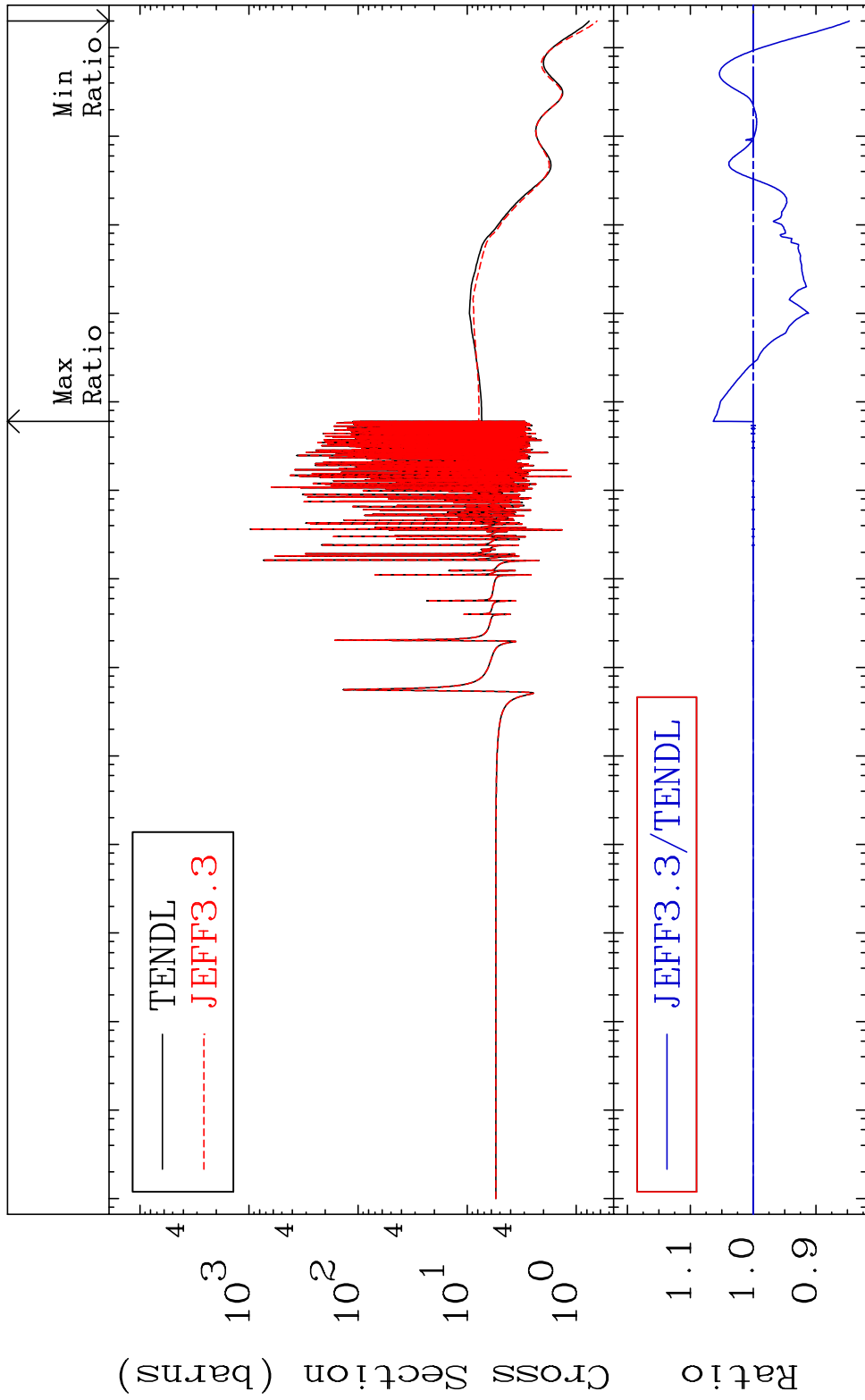
MAT 4325

Elastic

43-Tc-99

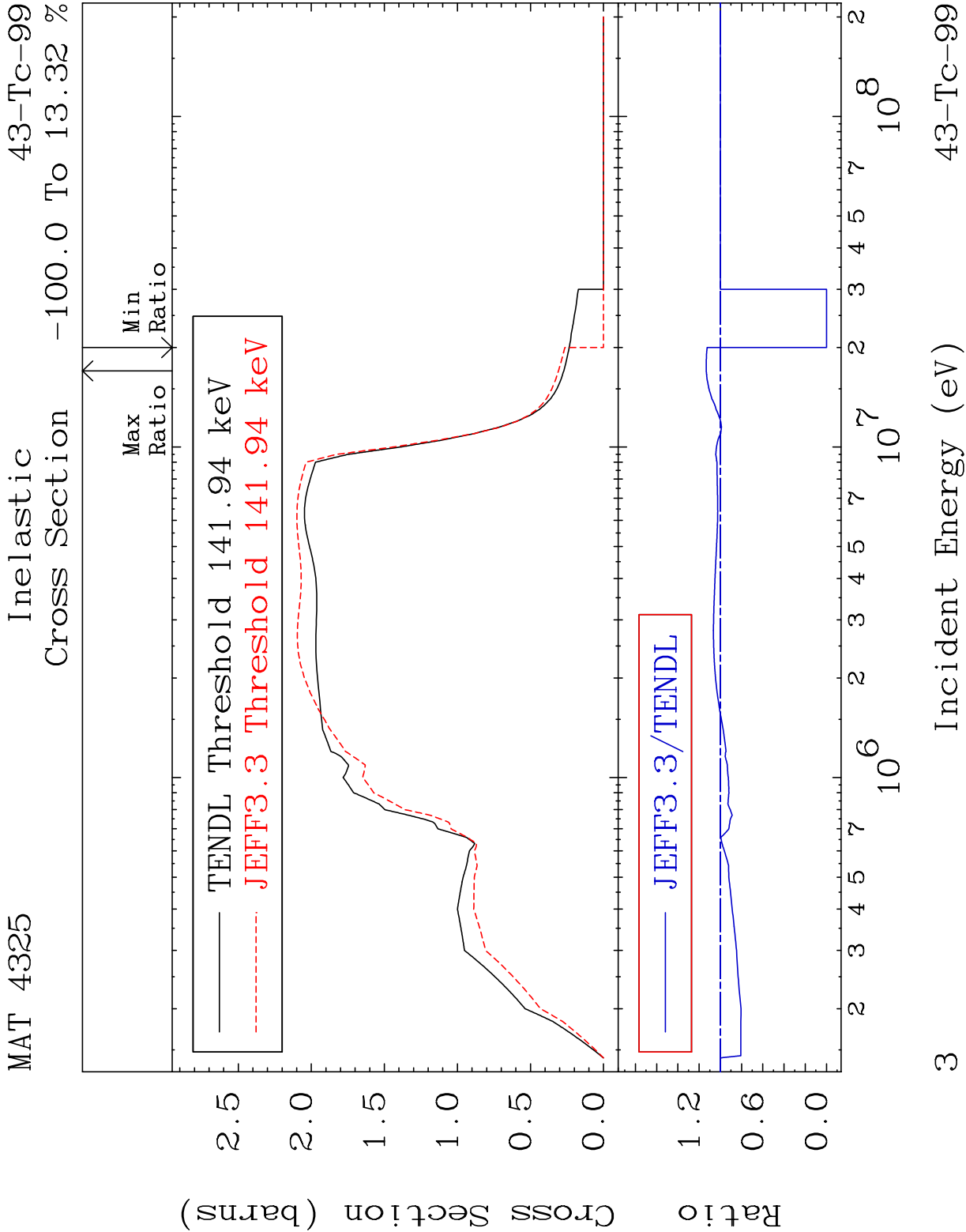
Cross Section

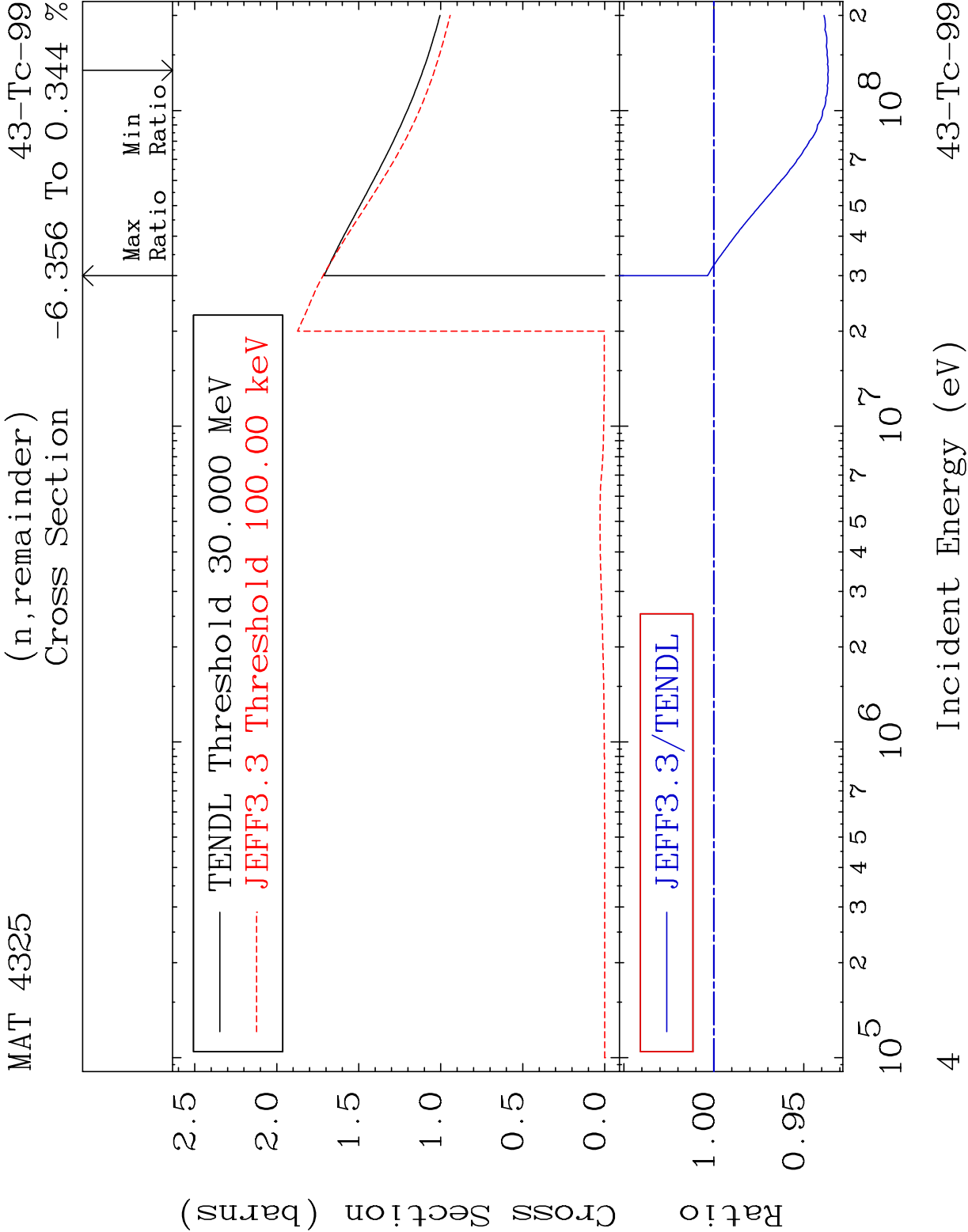
-15.28 To 6.366 %

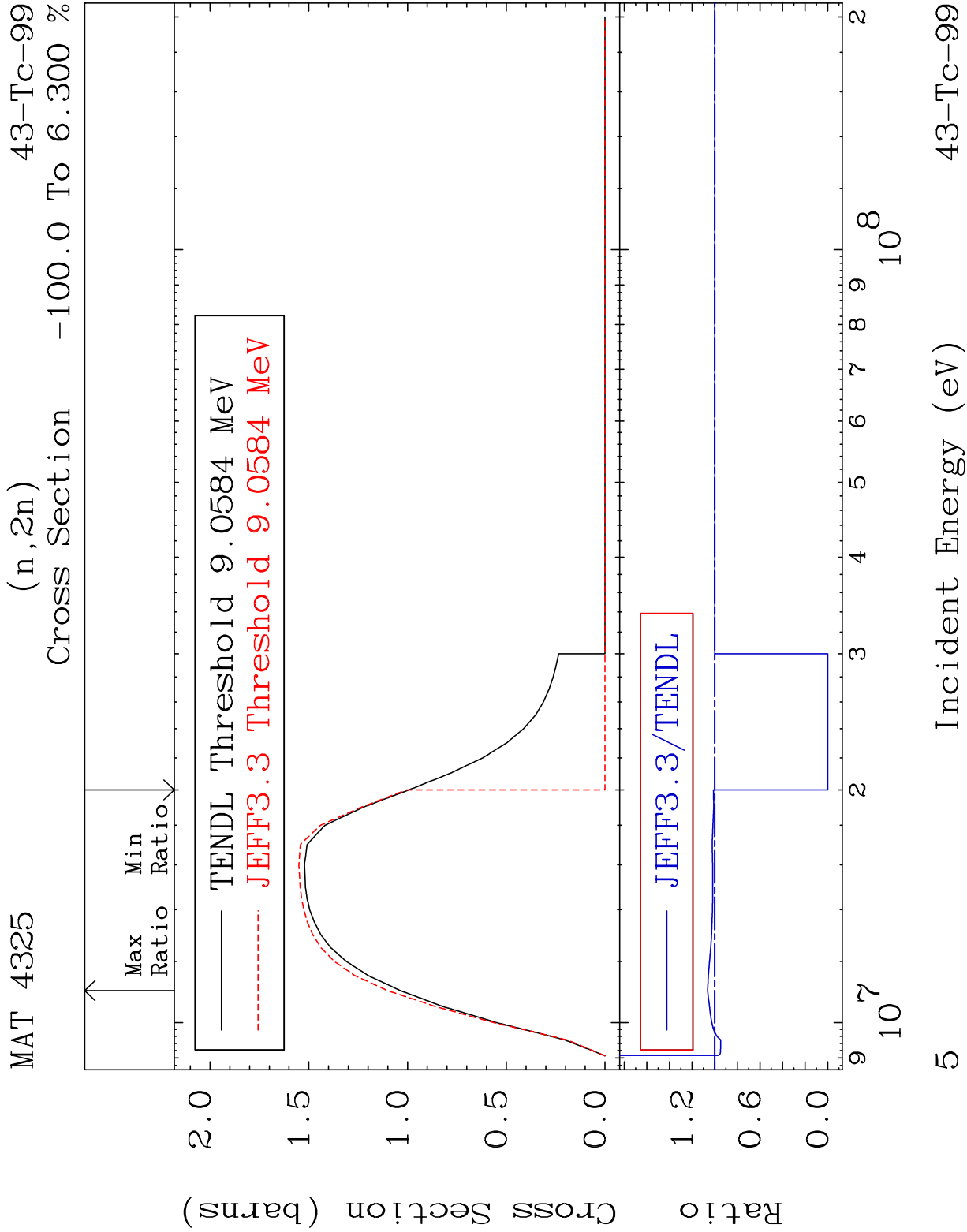


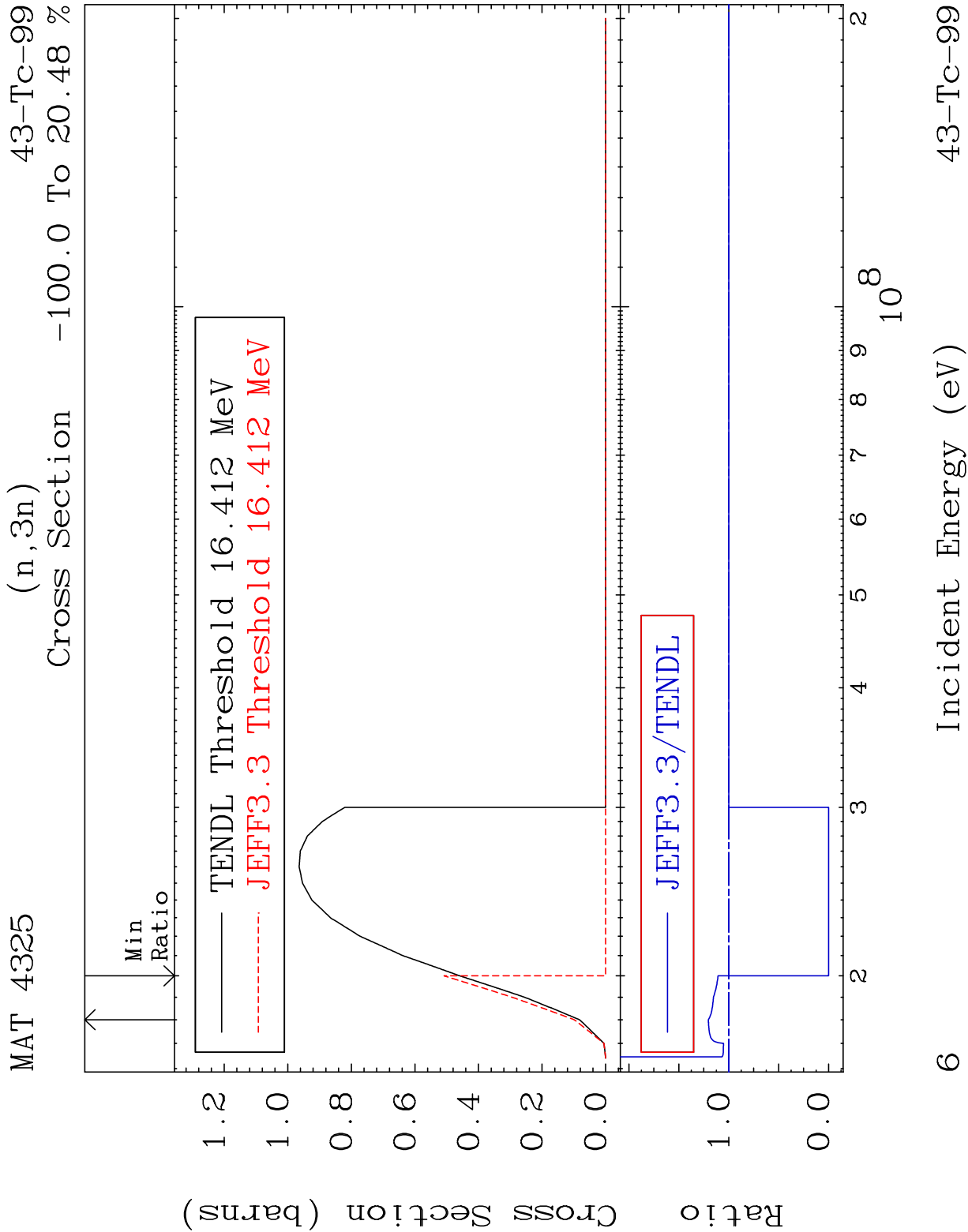
Incident Energy (eV)

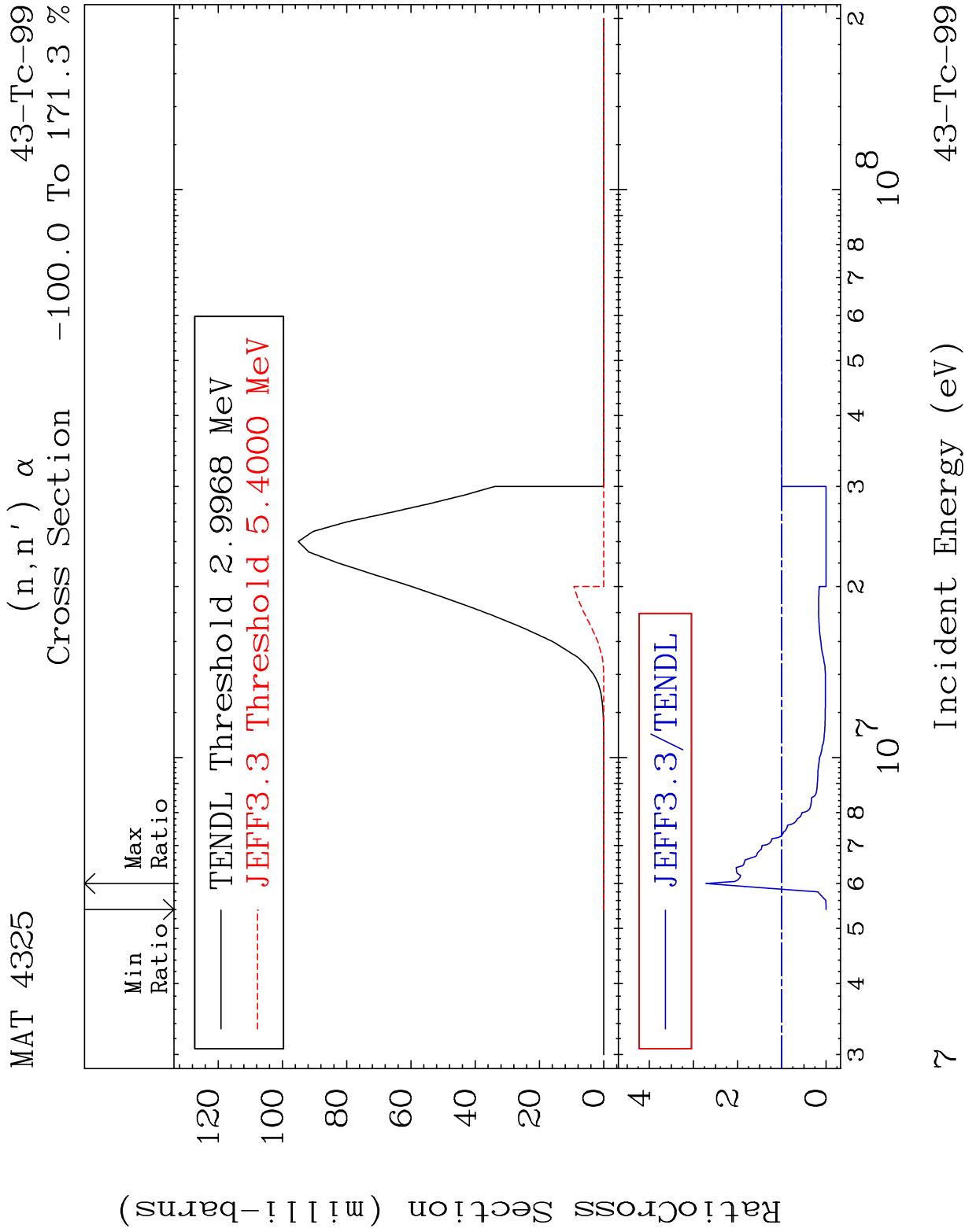
43-Tc-99









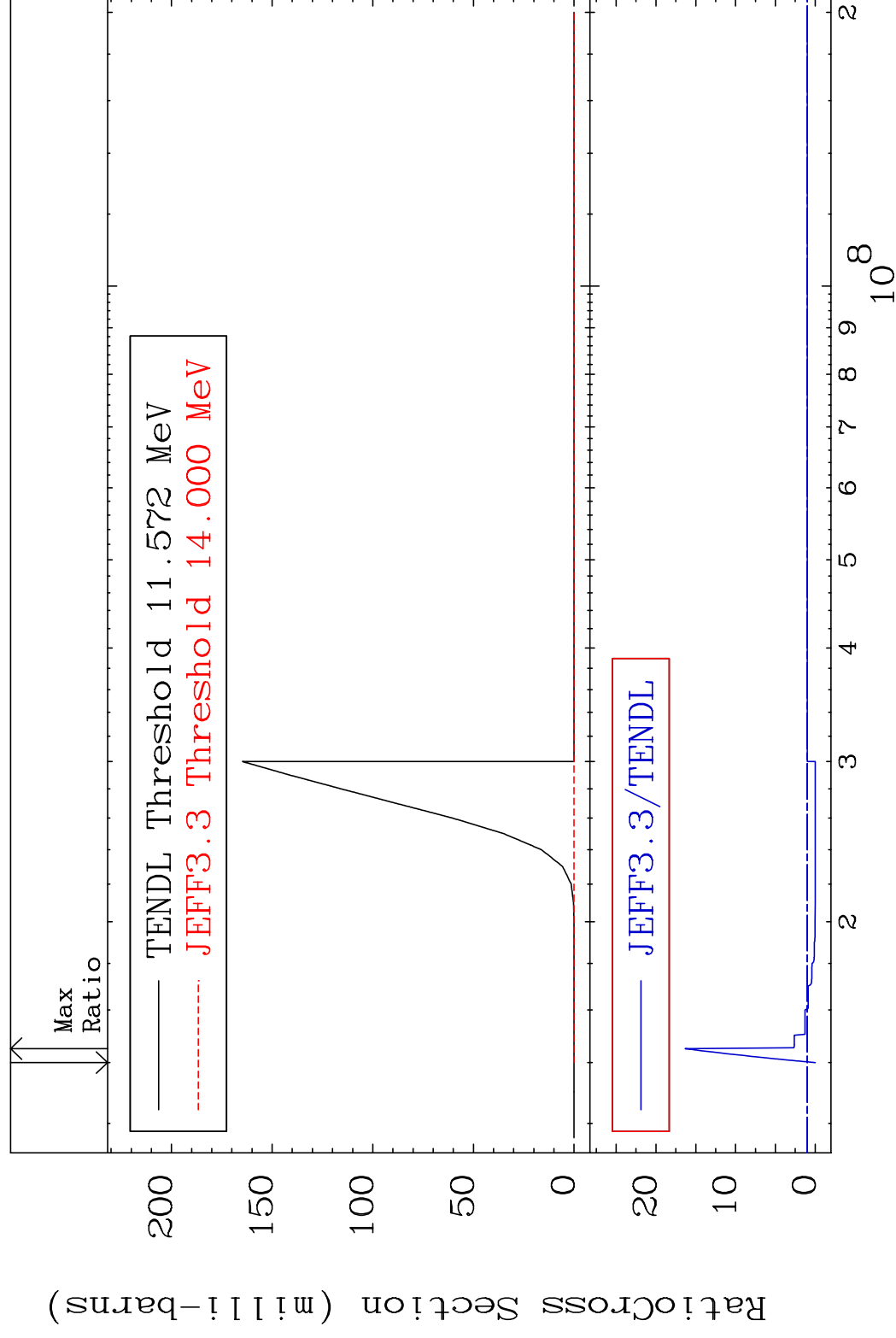


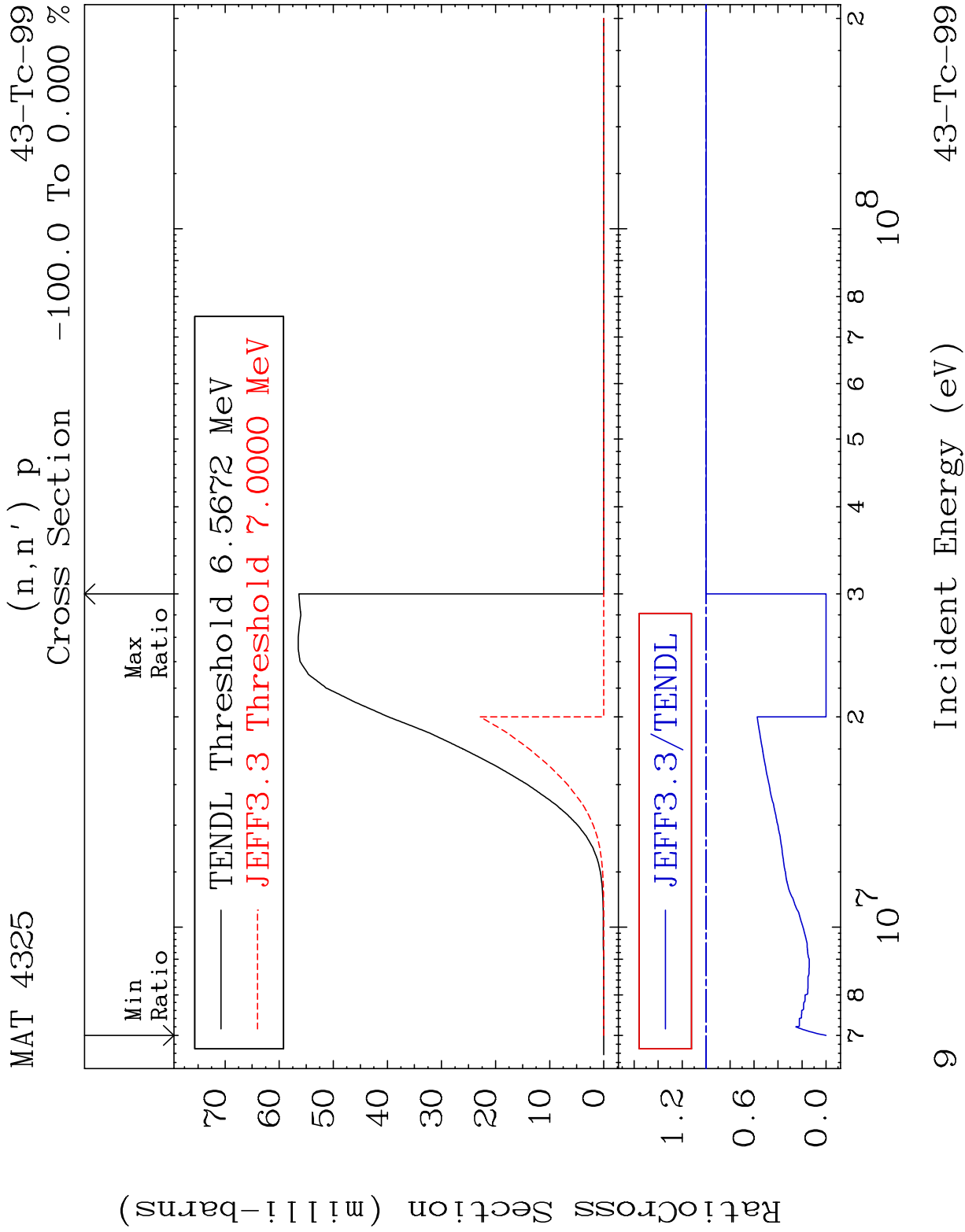
MAT 4325

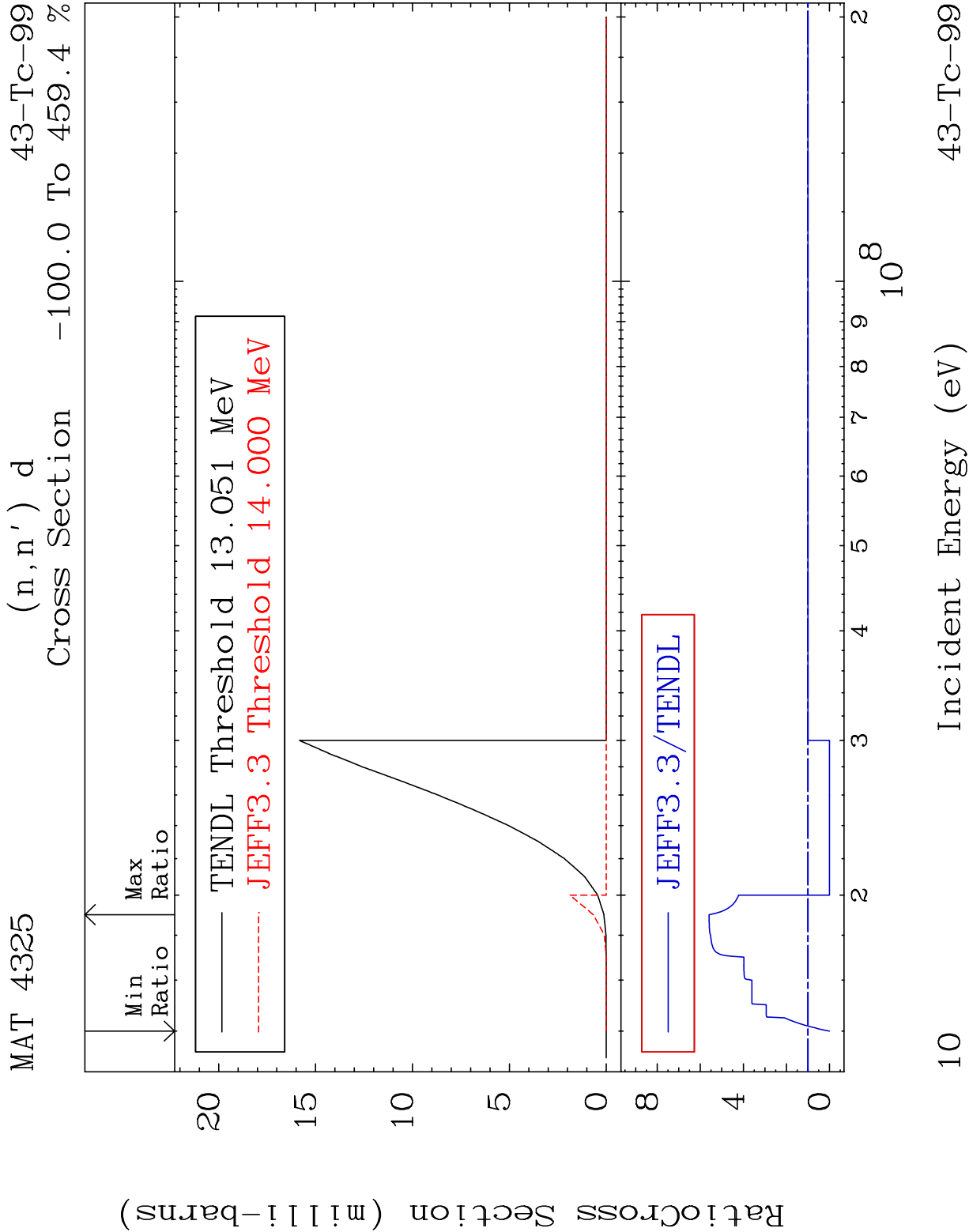
$$(n, 2n) \propto$$

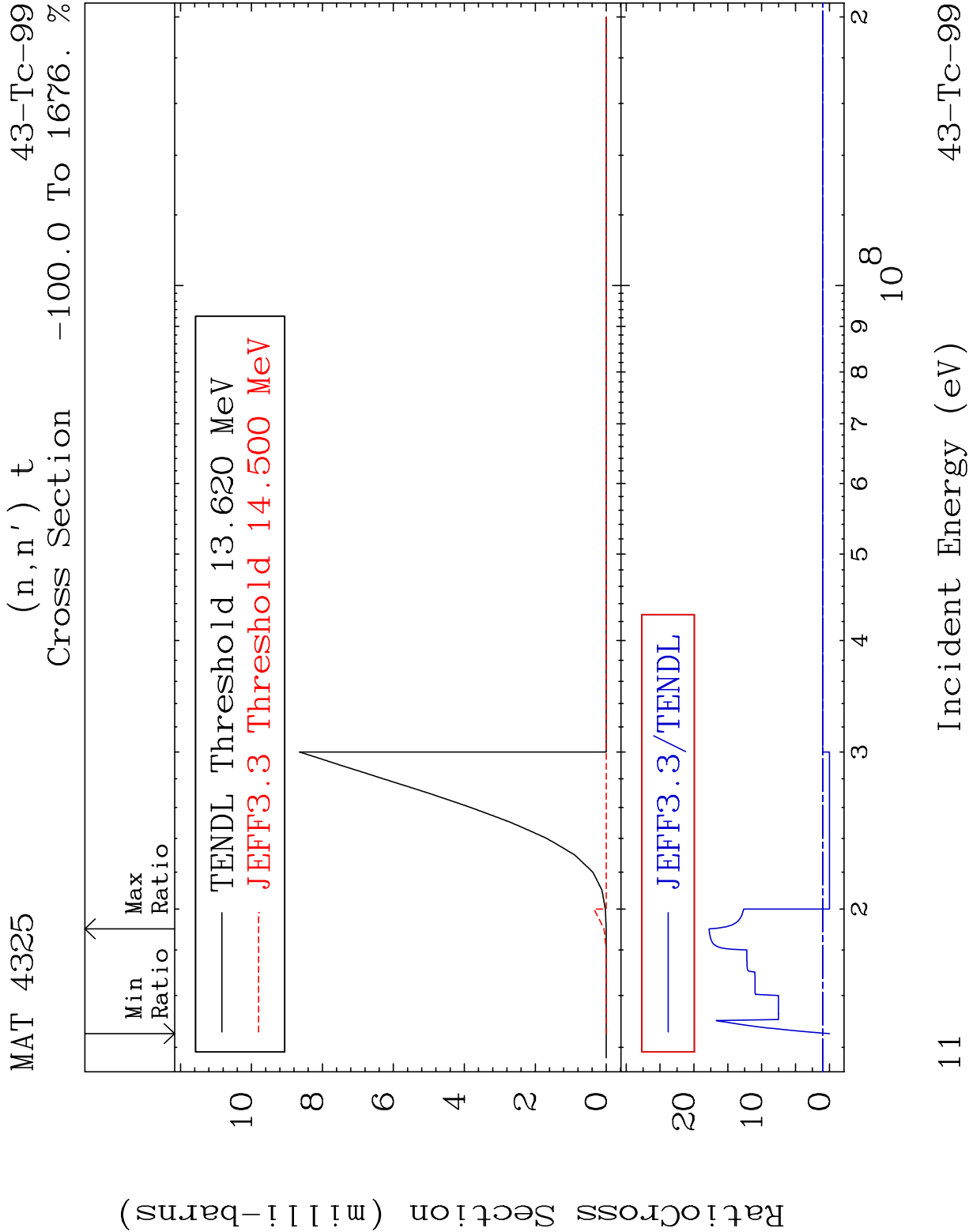
43-Tc-99

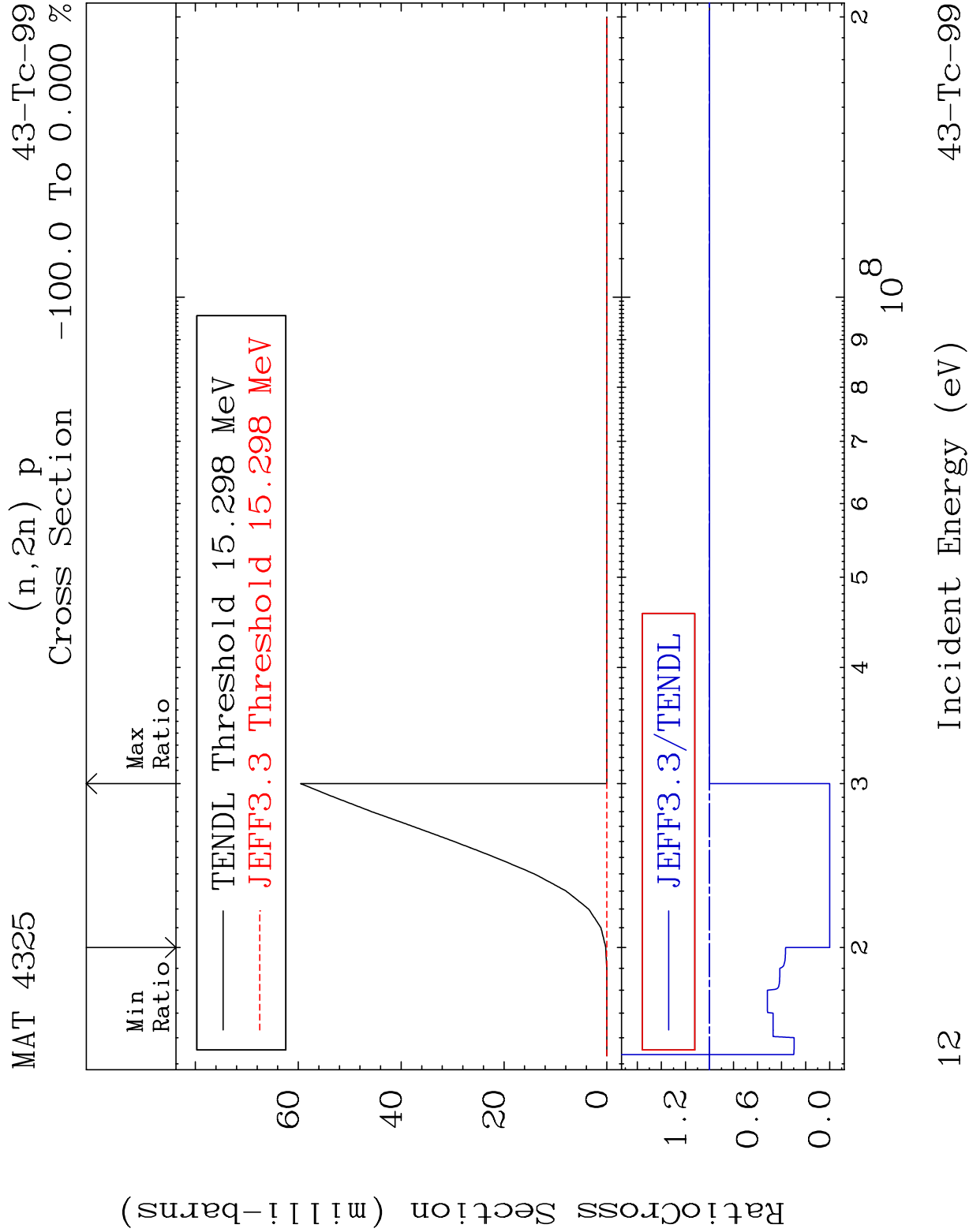
Cross Section -100.0 To 1534. %

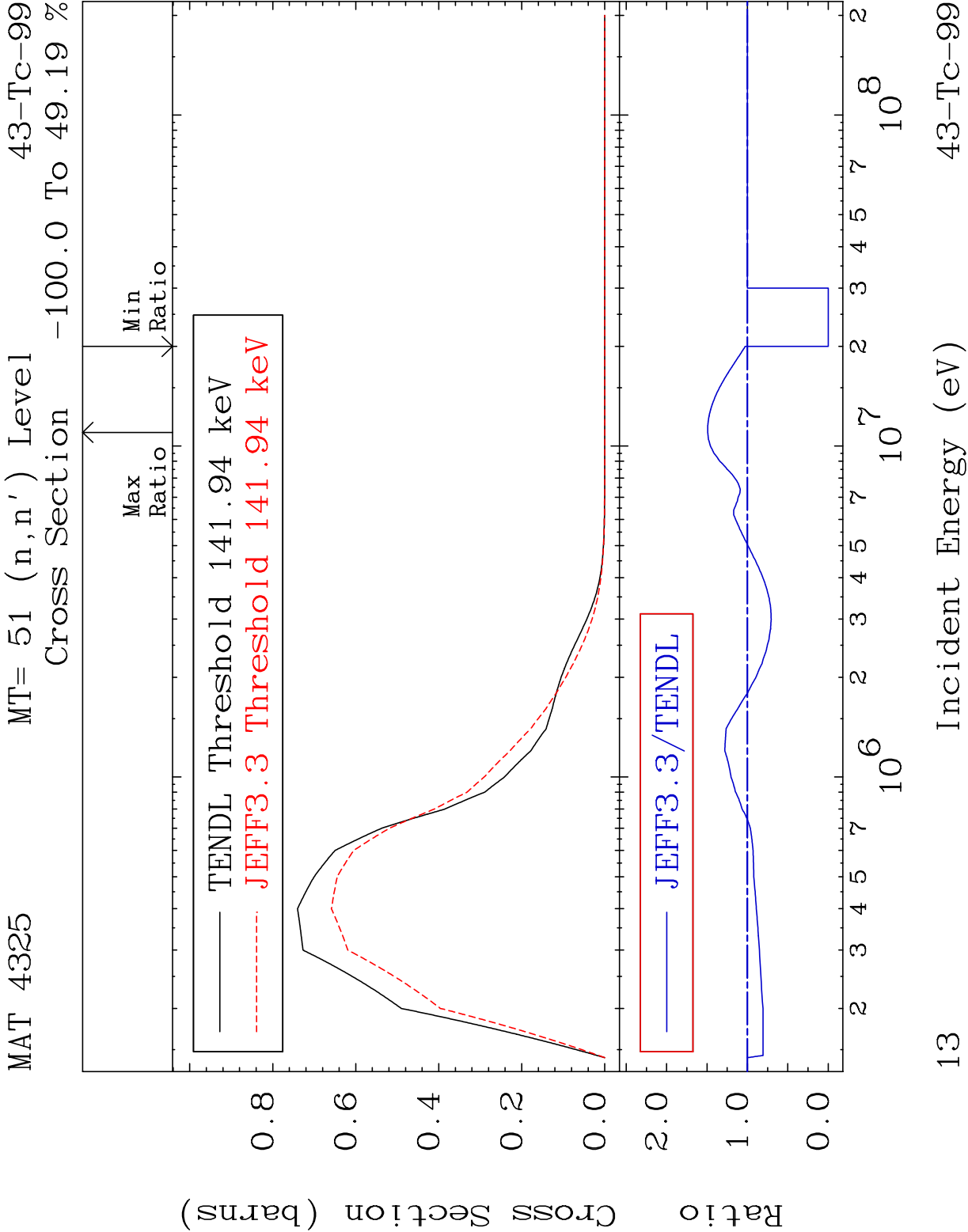


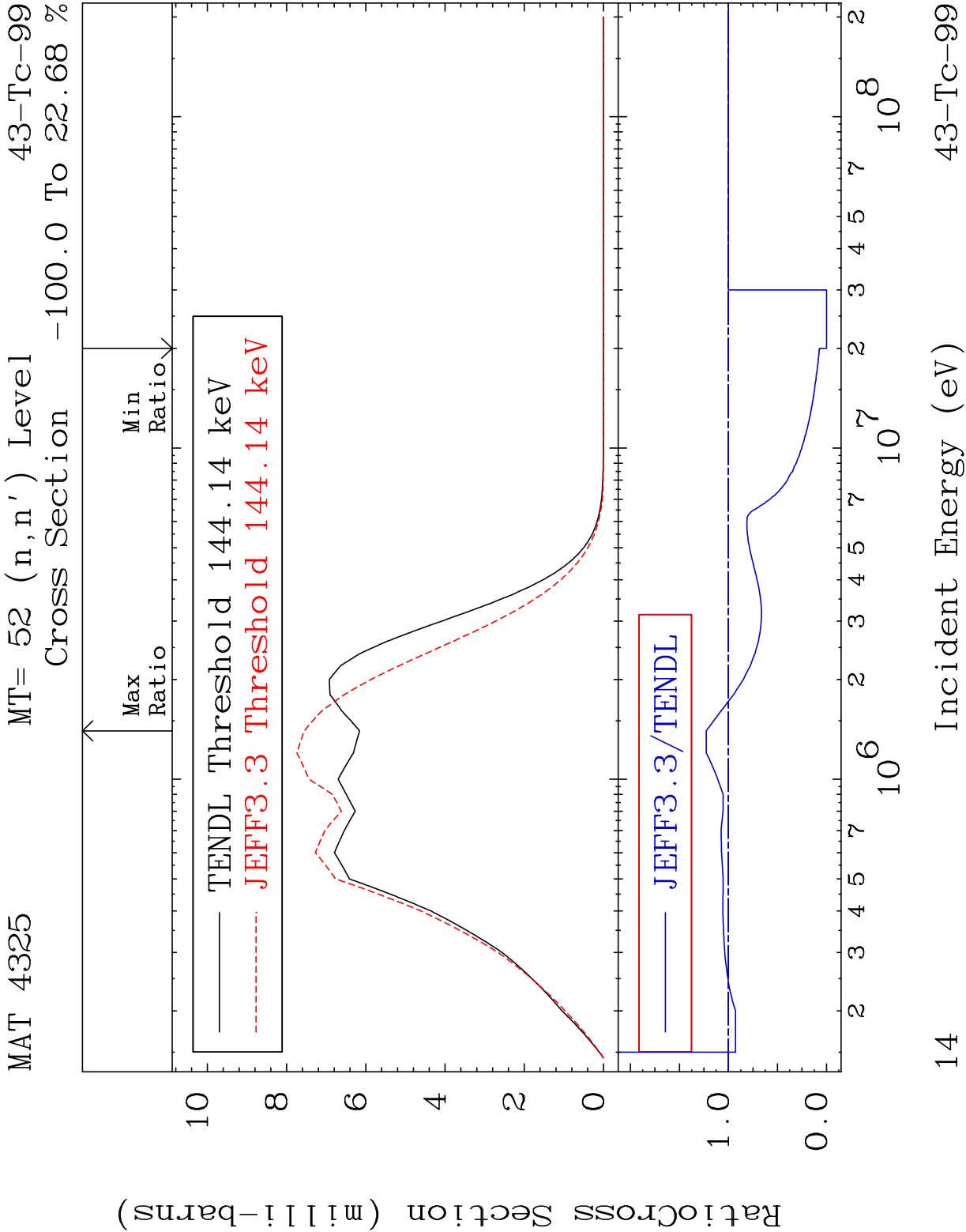




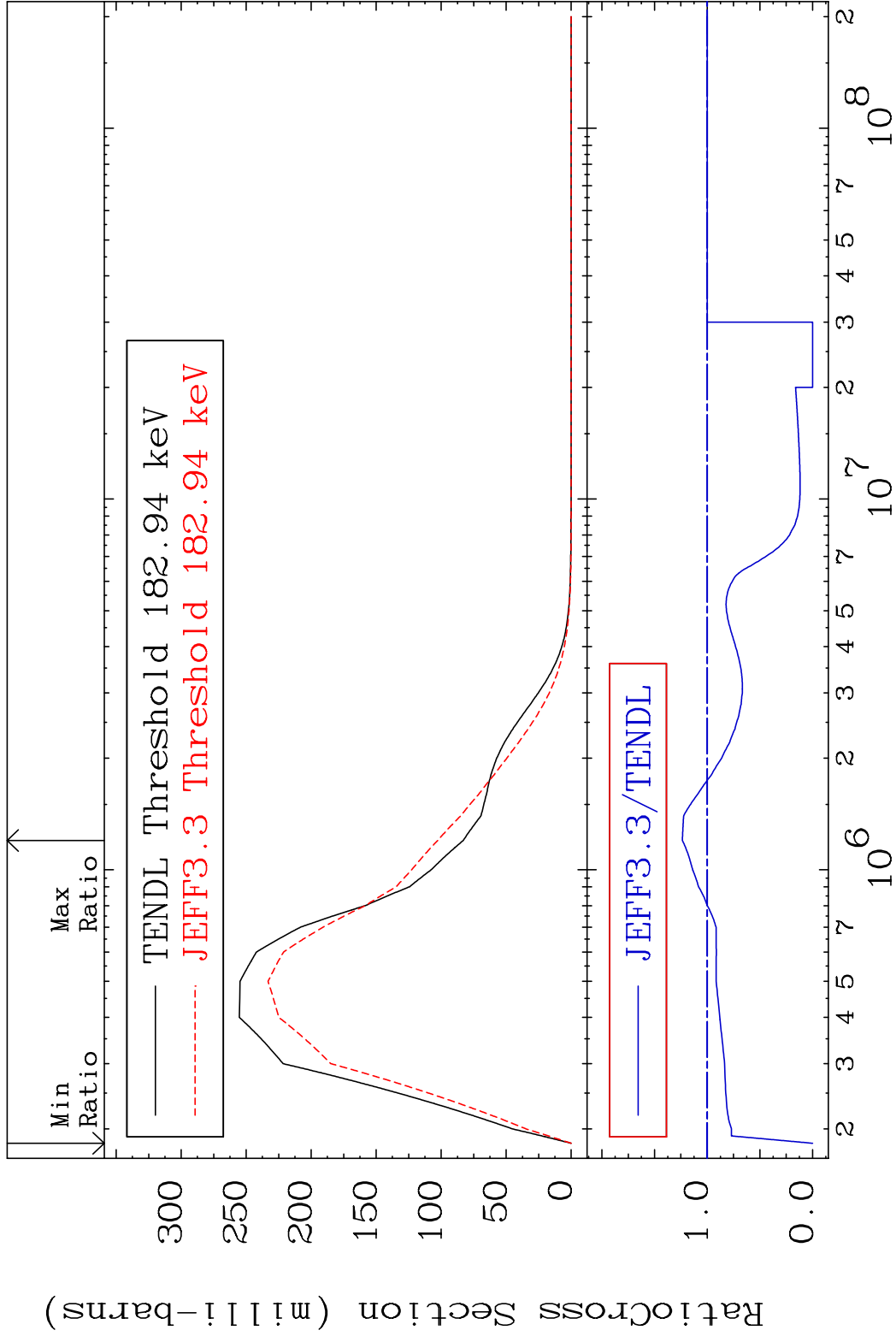




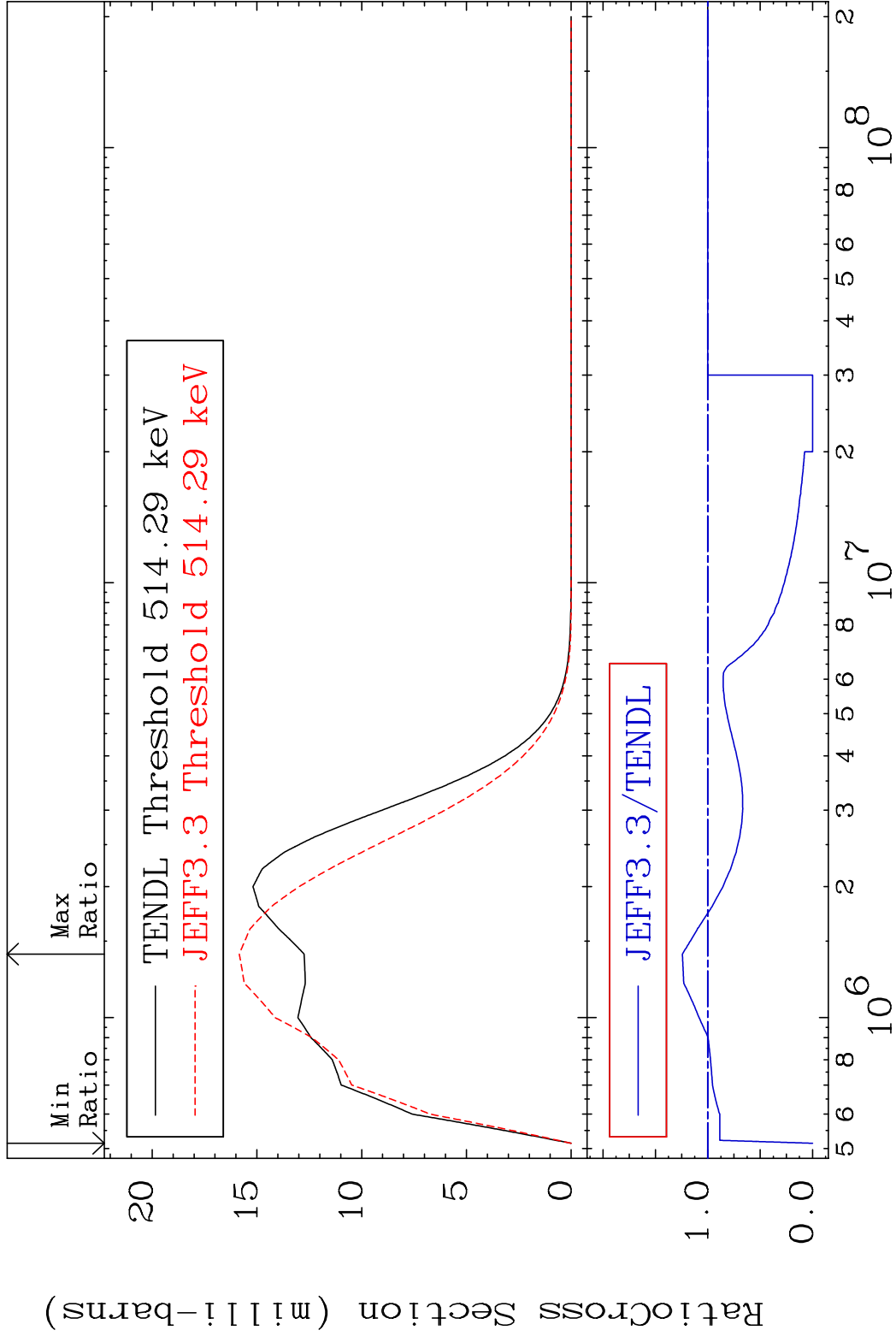




MAT 4325 MT= 53 (n,n') Level 43-Tc-99
Cross Section -100.0 To 23.62 %

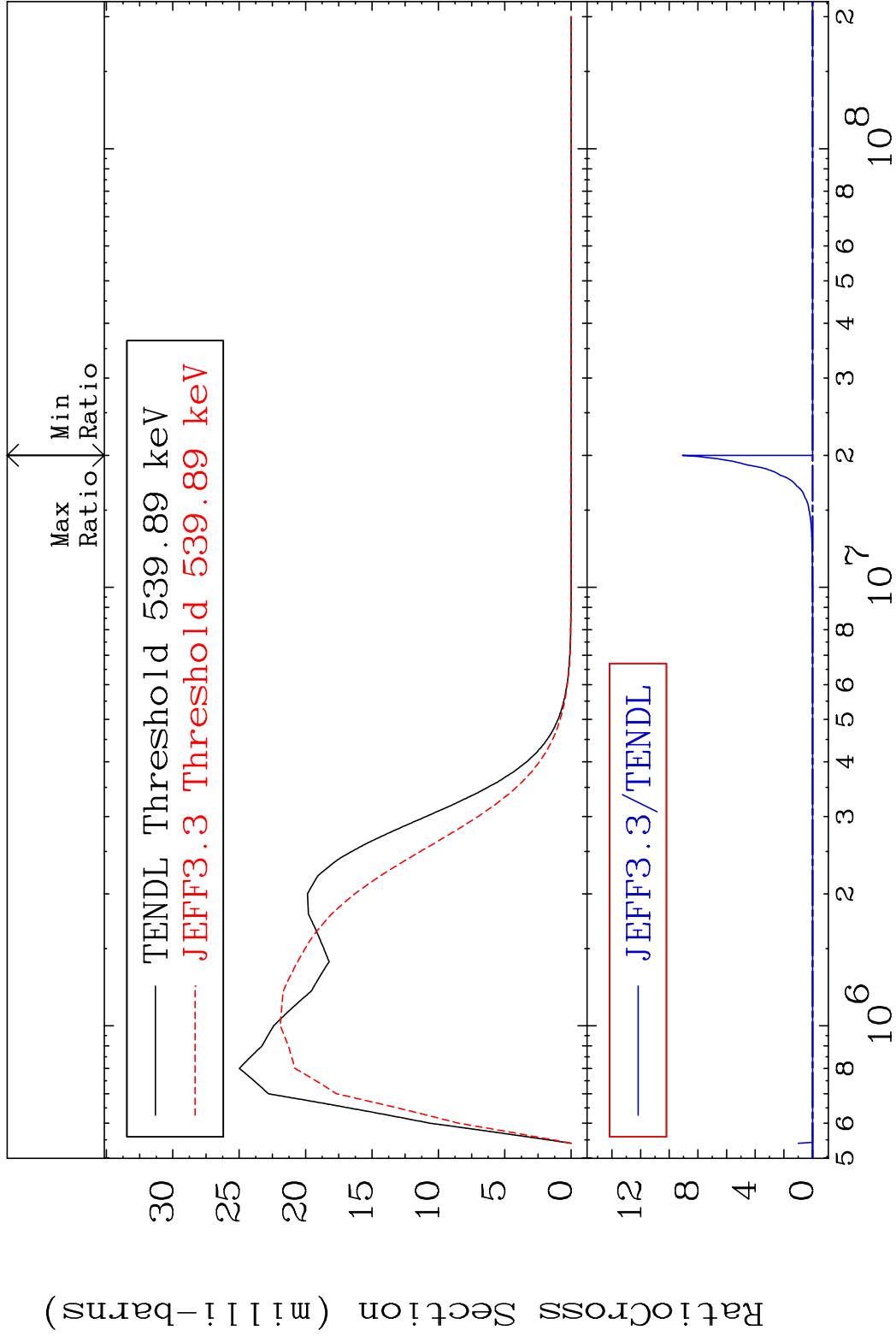


MAT 4325 MT= 54 (n,n') Level 43-Tc-99
Cross Section -100.0 To 24.28 %



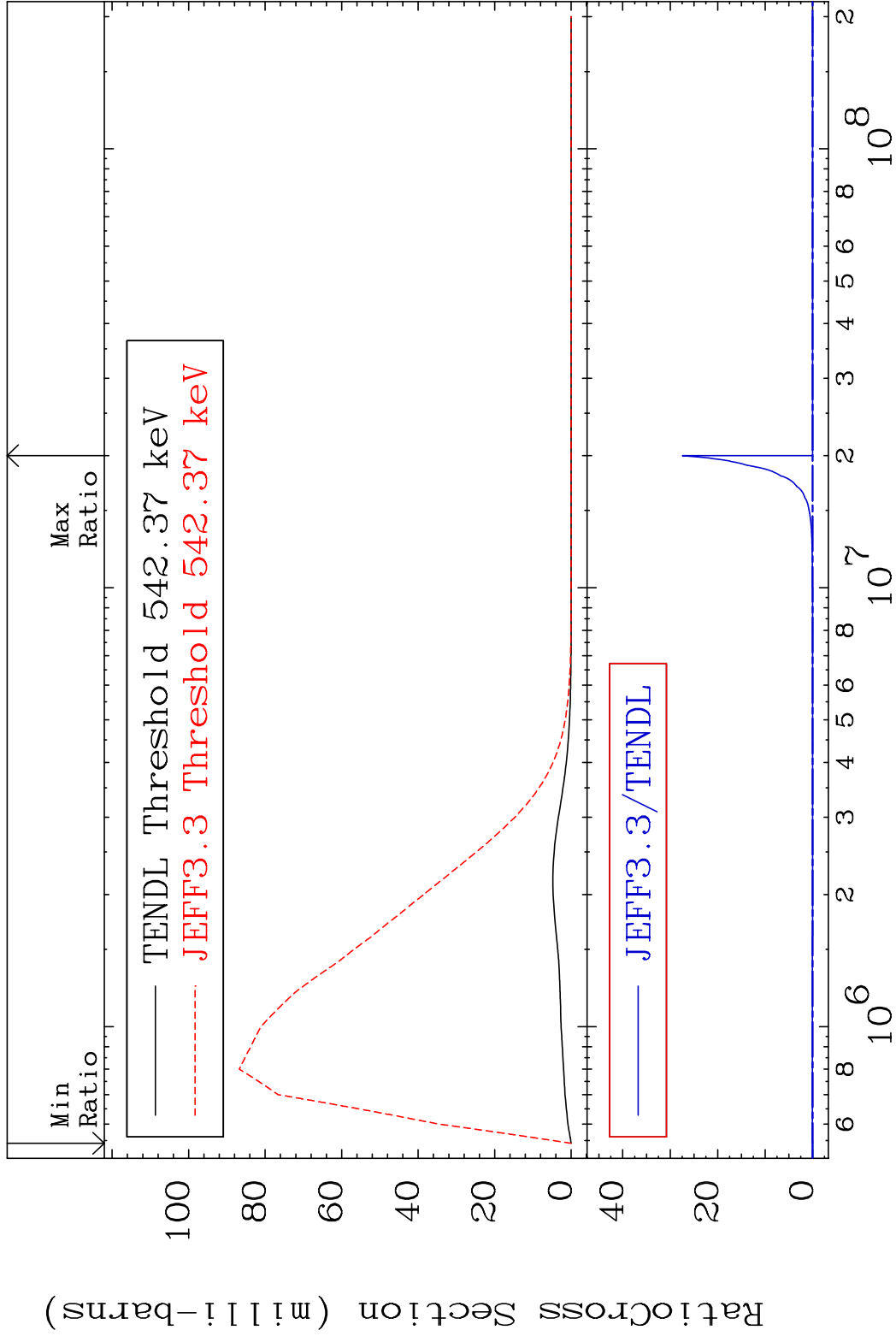
16 Incident Energy (eV) 43-Tc-99

MAT 4325 MT= 55 (n,n') Level 43-Tc-99
Cross Section -100.0 To 9999. %



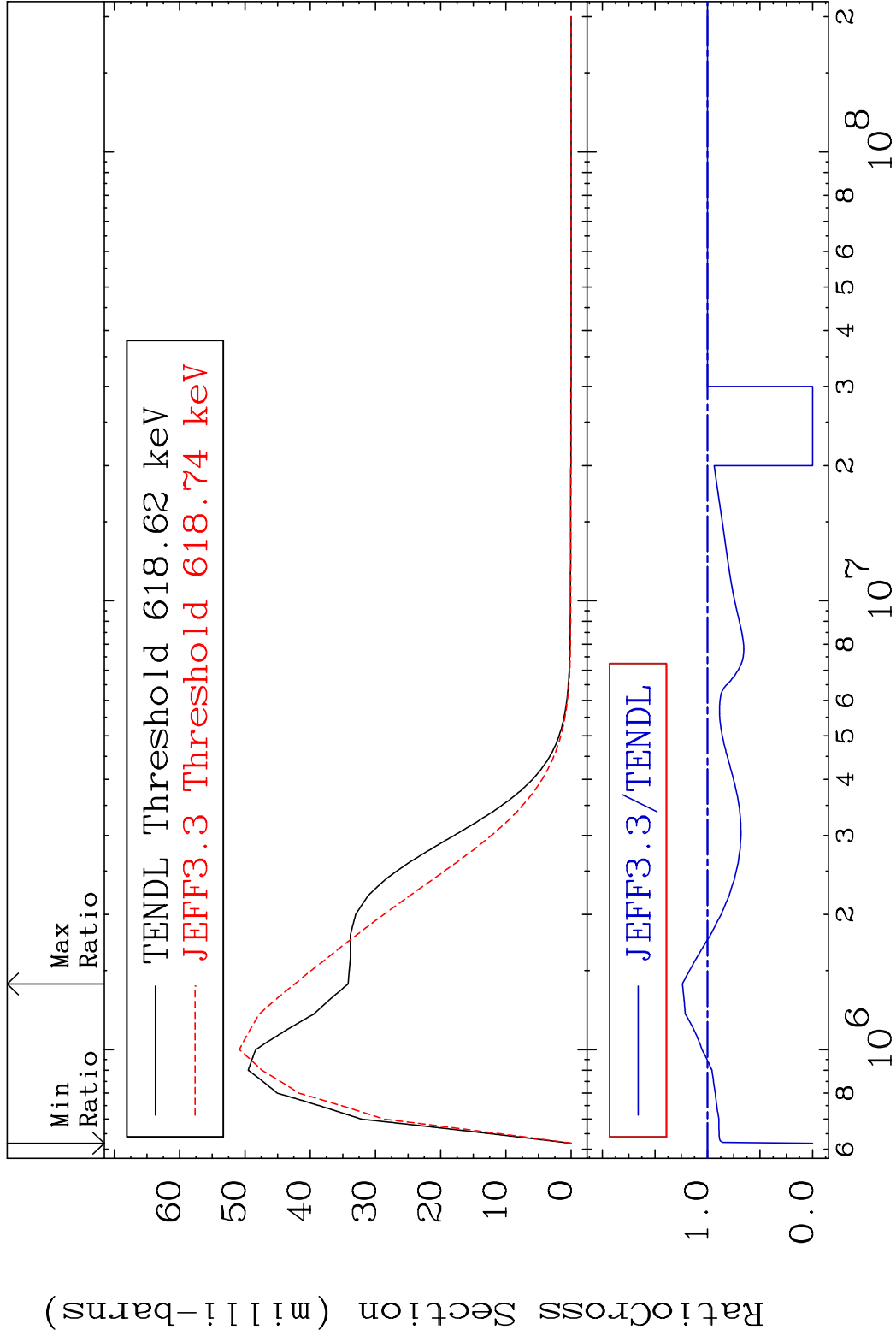
17 Incident Energy (eV) 43-Tc-99

MAT 4325 MT= 56 (n,n') Level 43-Tc-99
Cross Section -100.0 To 9999. %

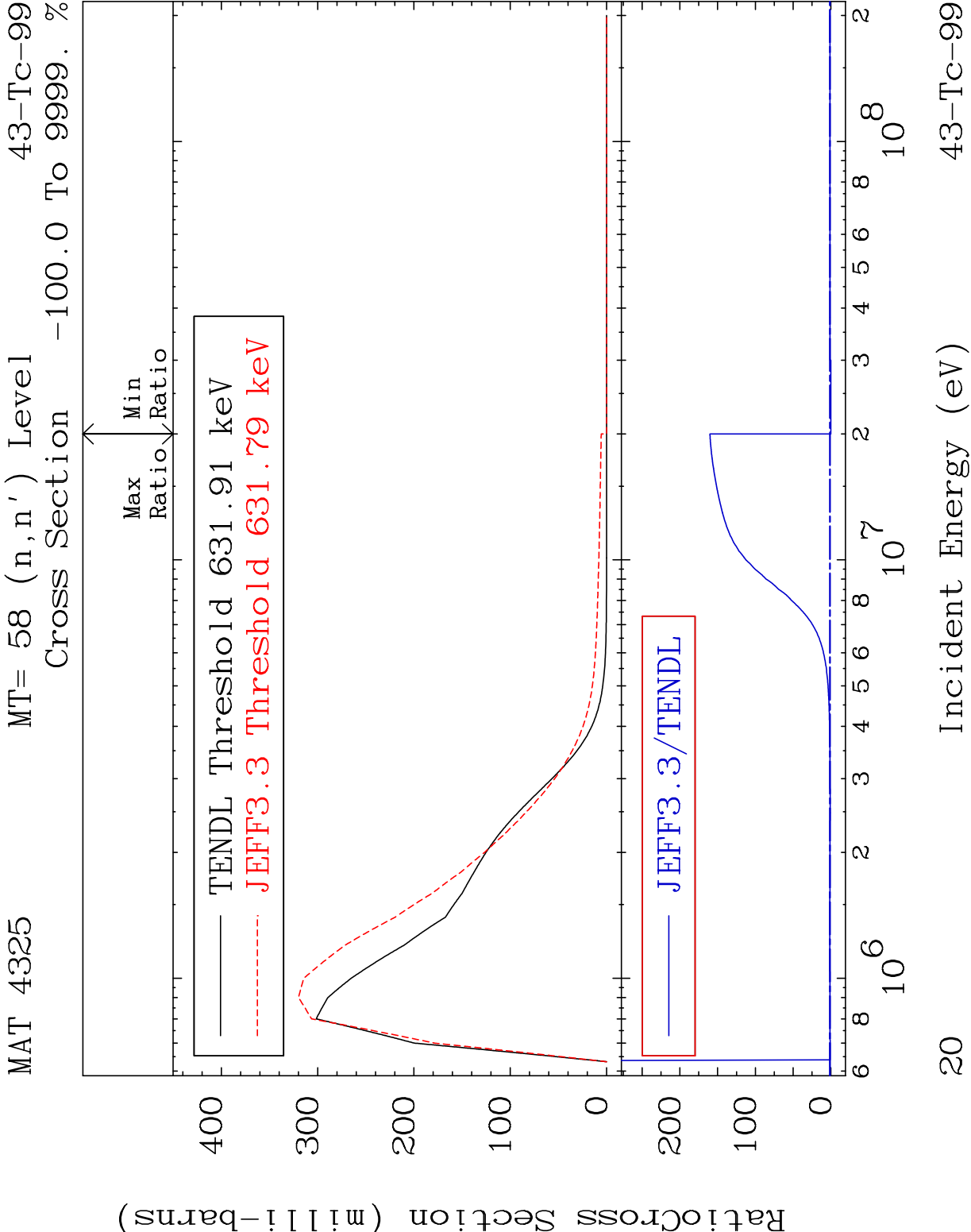


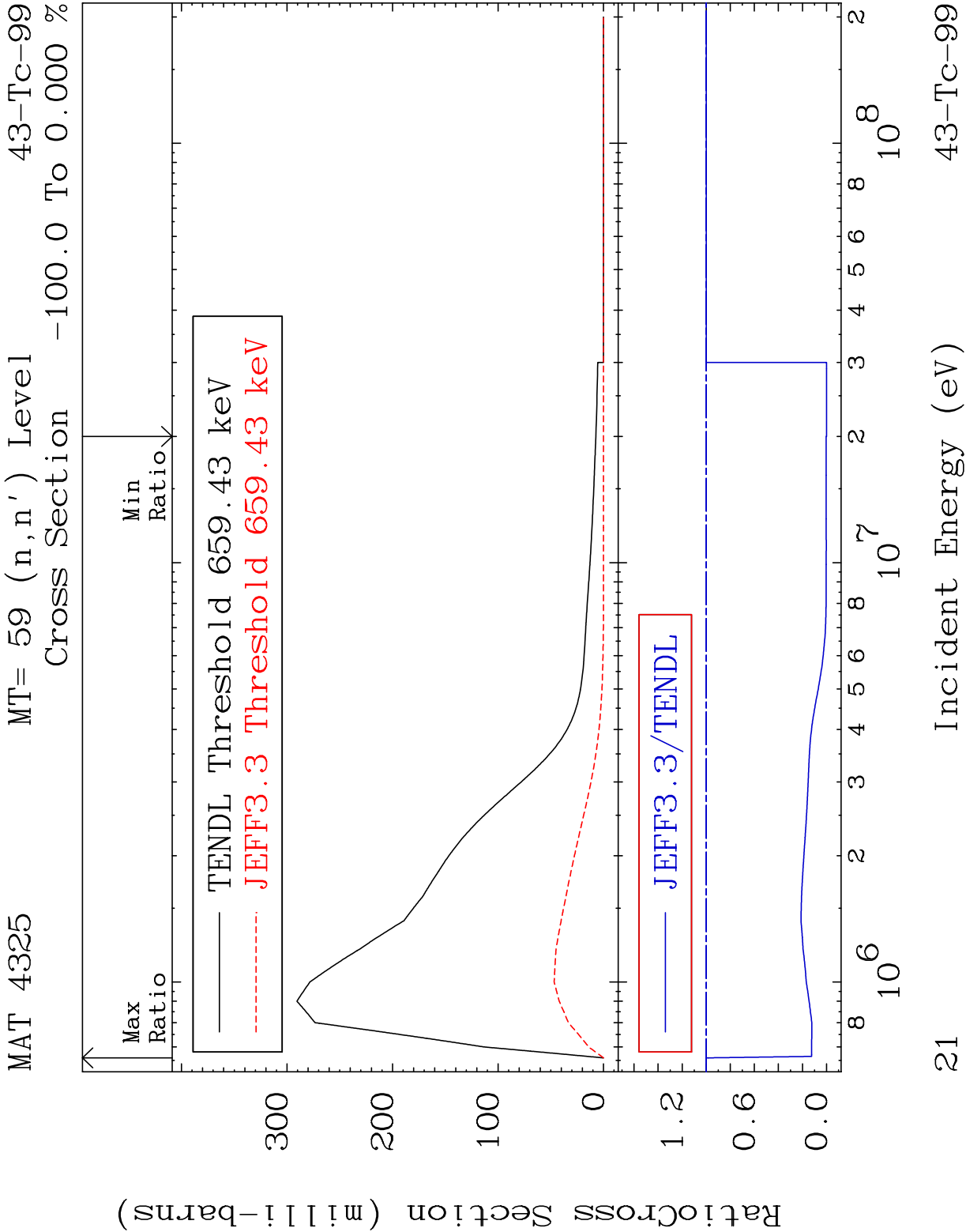
18 Incident Energy (eV) 43-Tc-99

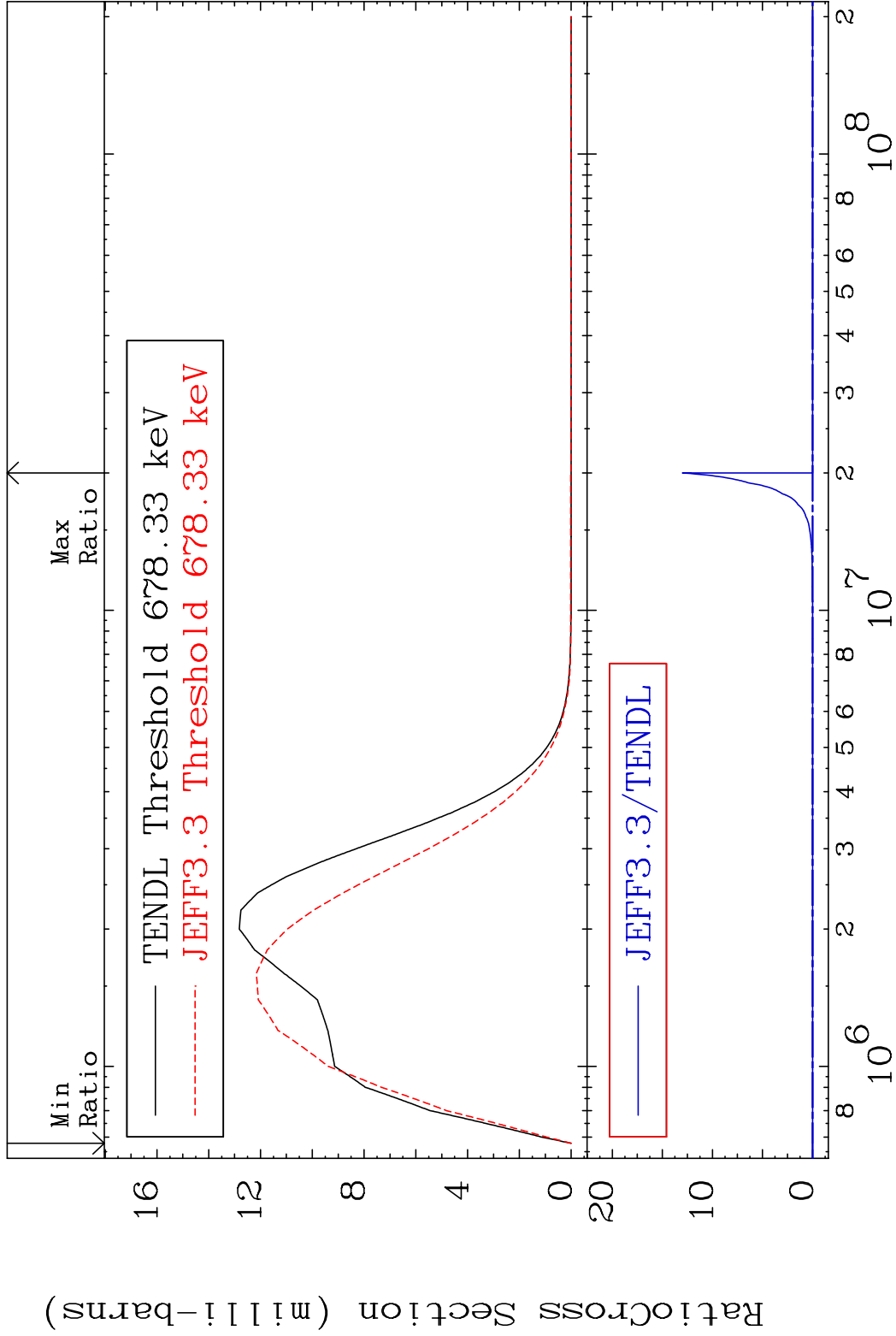
MAT 4325 MT= 57 (n,n') Level 43-Tc-99
Cross Section -100.0 To 23.93 %

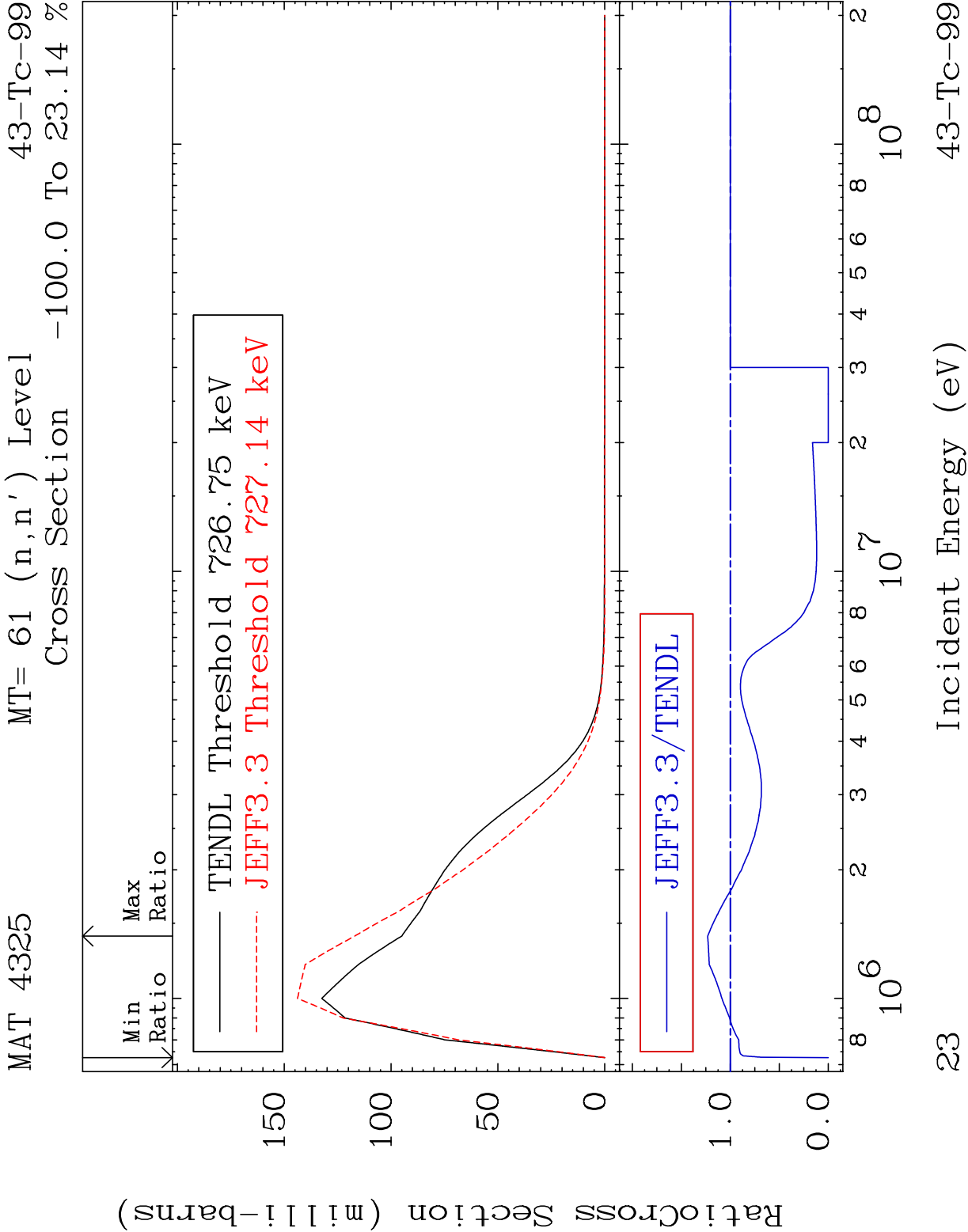


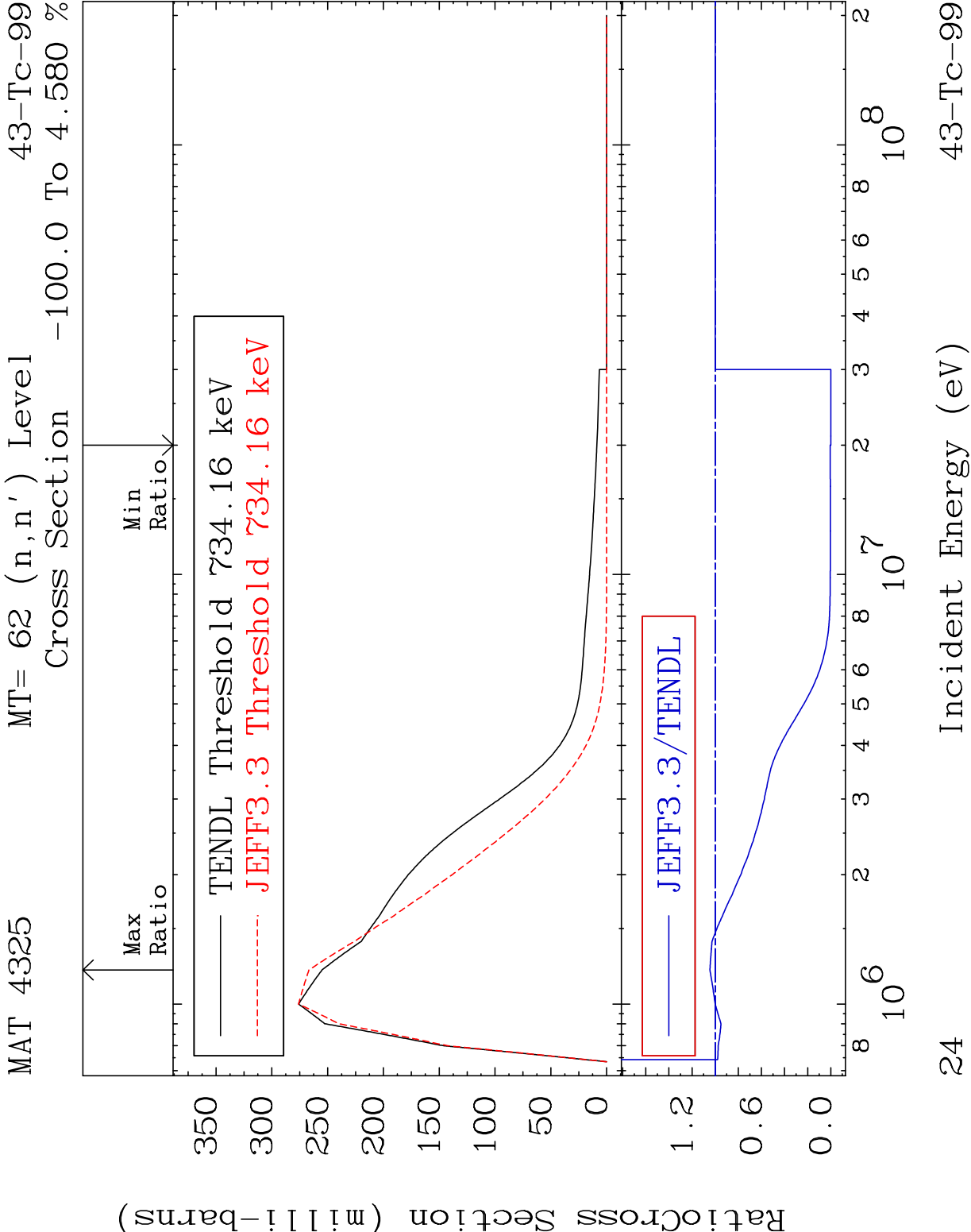
19 Incident Energy (eV) 43-Tc-99

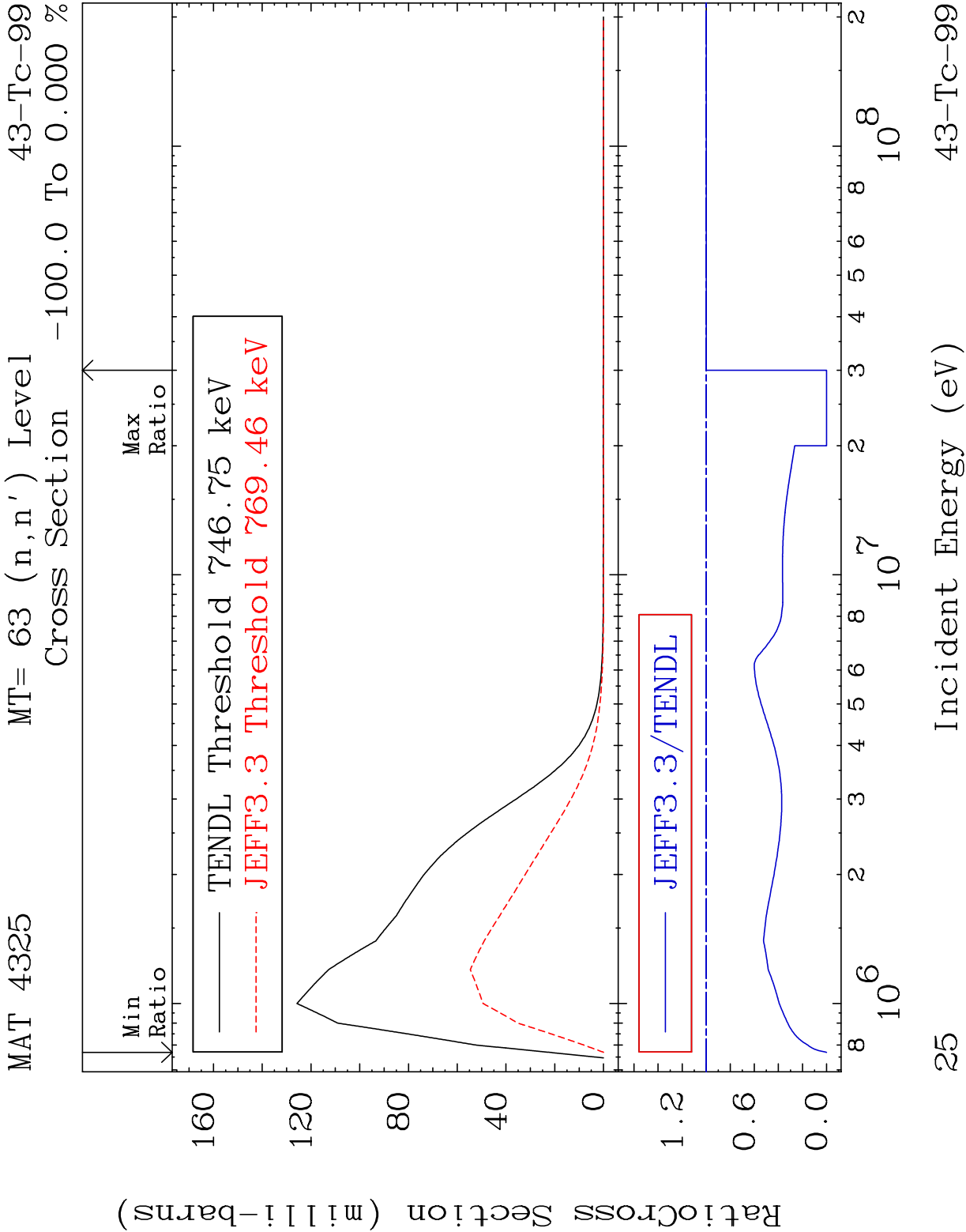




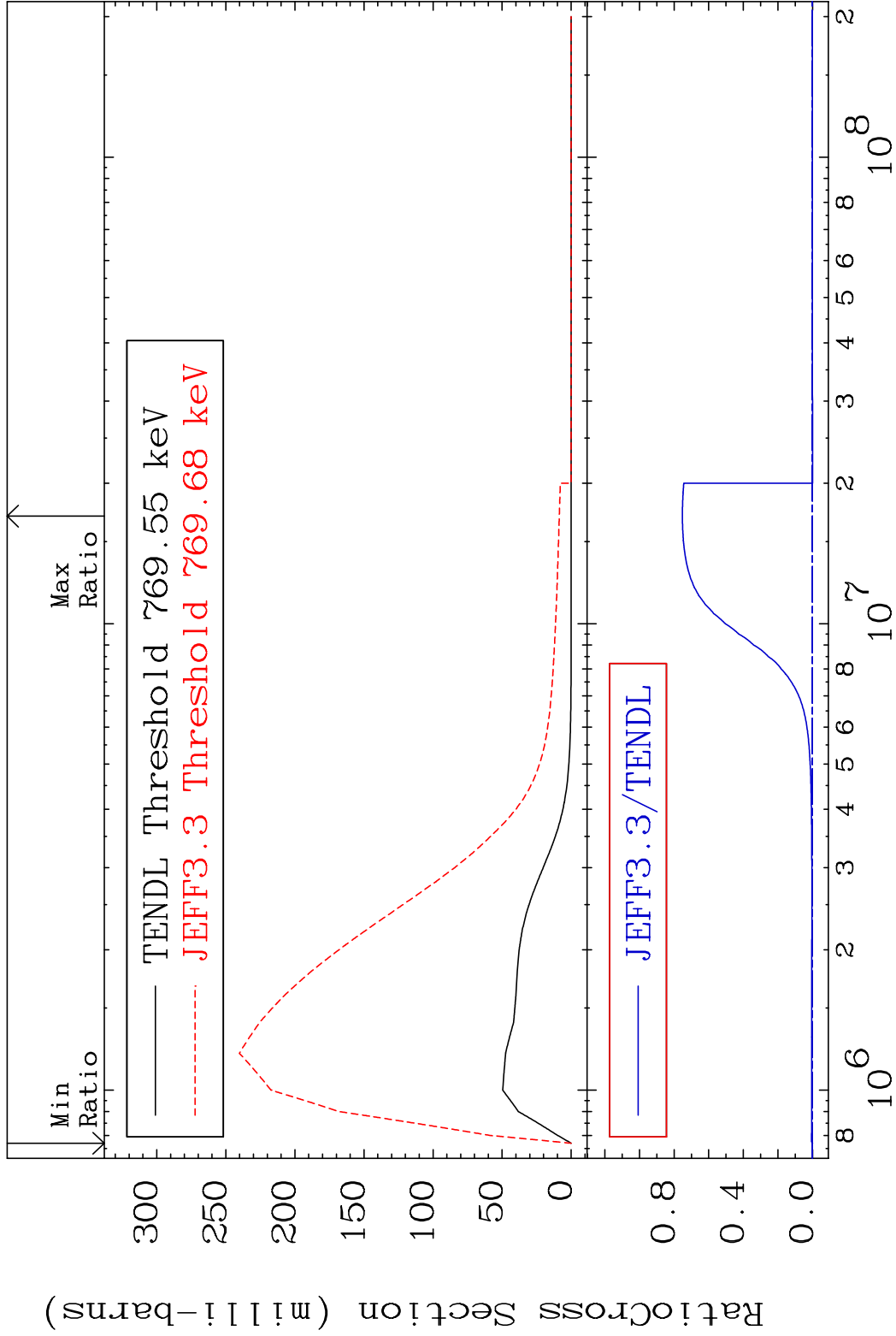








MAT 4325 MT= 64 (n,n') Level 43-Tc-99
Cross Section -100.0 To 9999. %

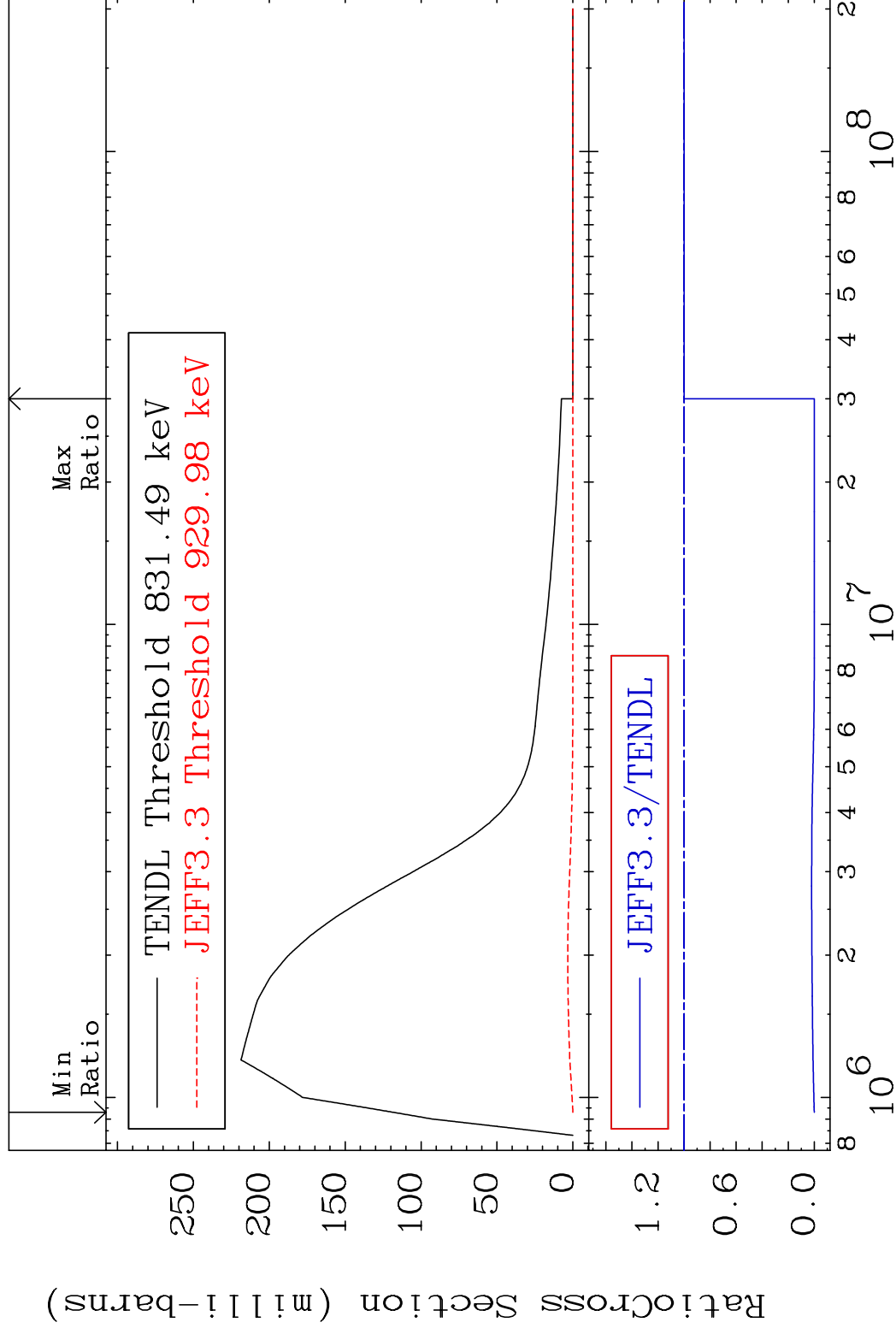


MAT 4325

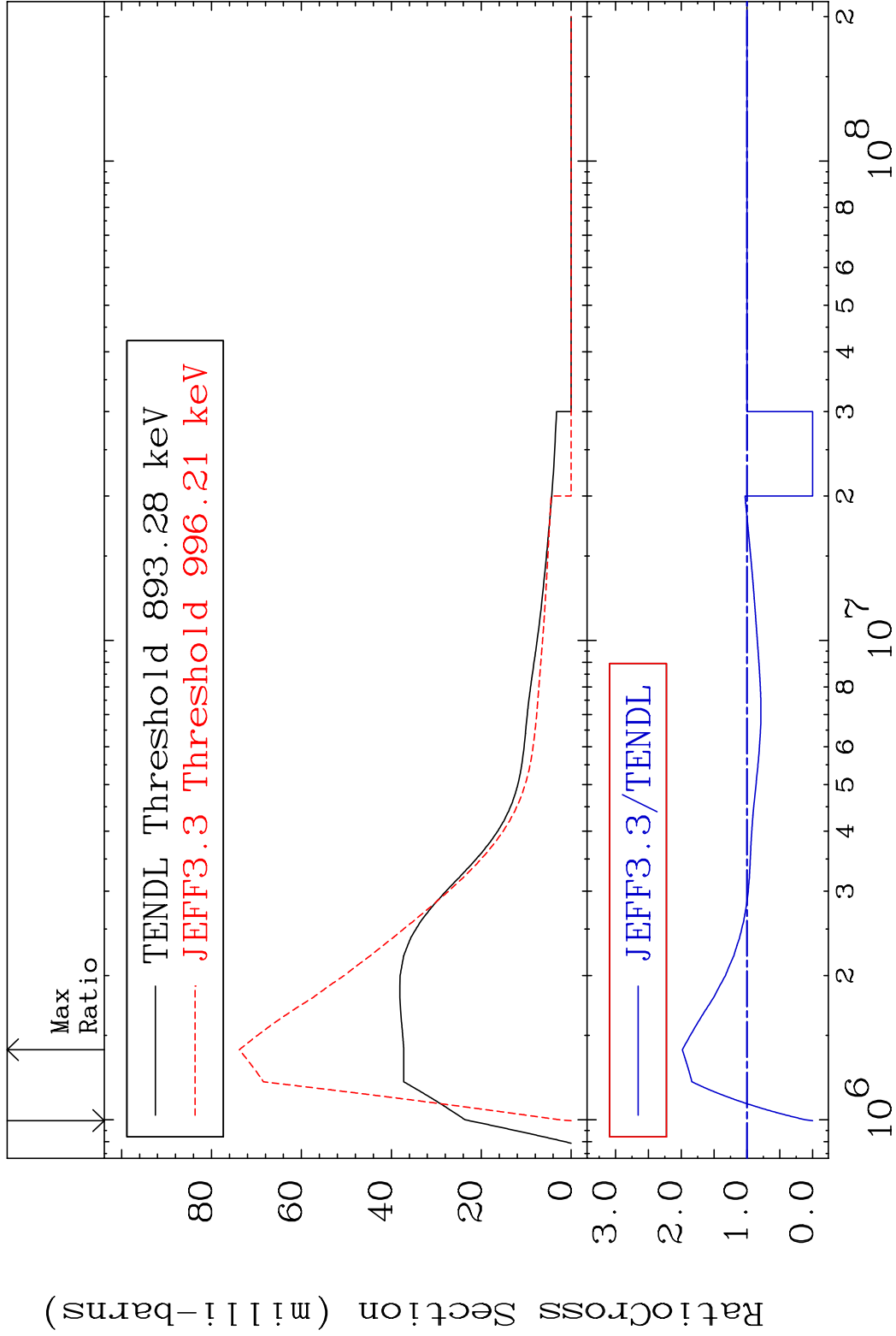
MT= 65 (n, n') Level

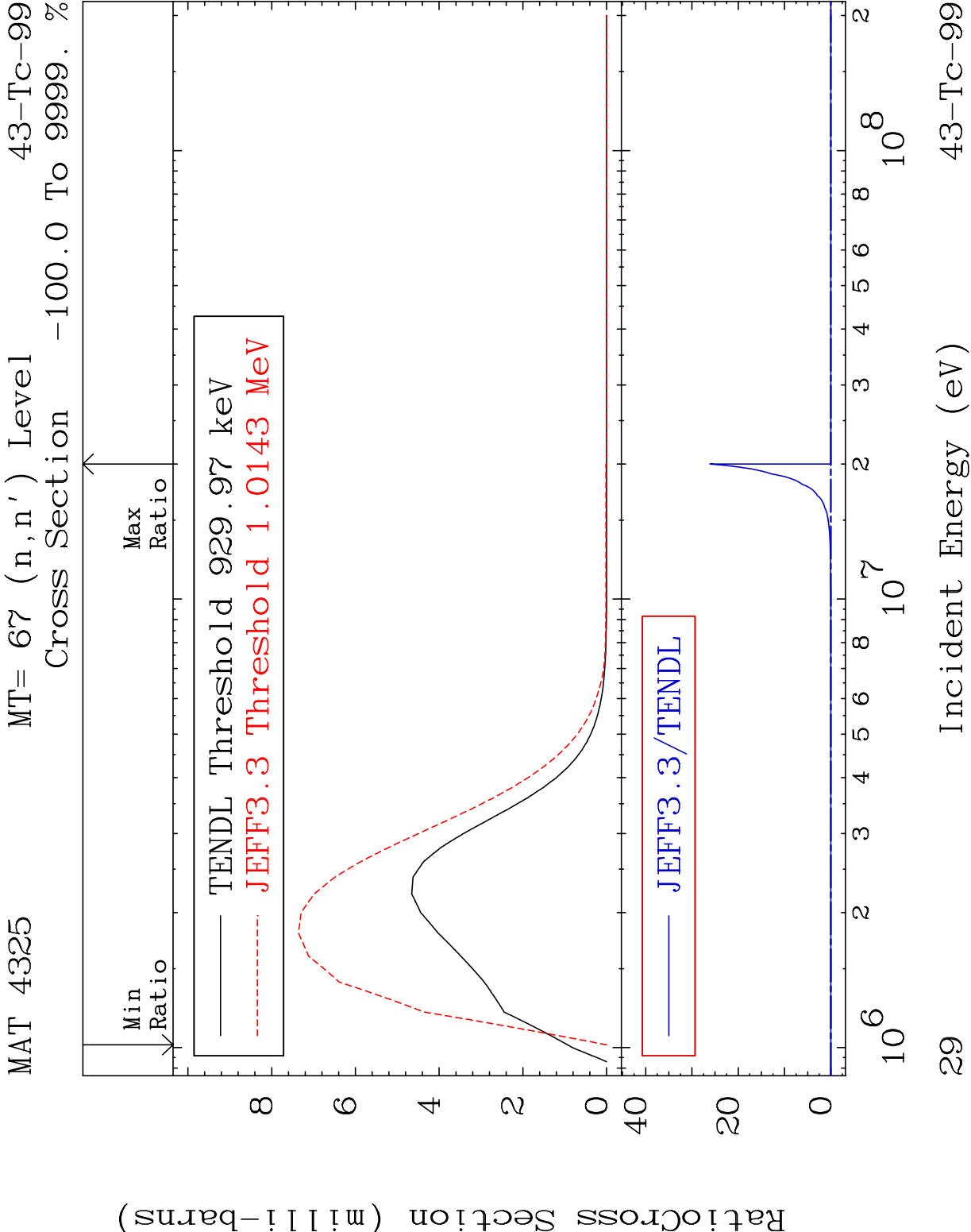
43-Tc-99

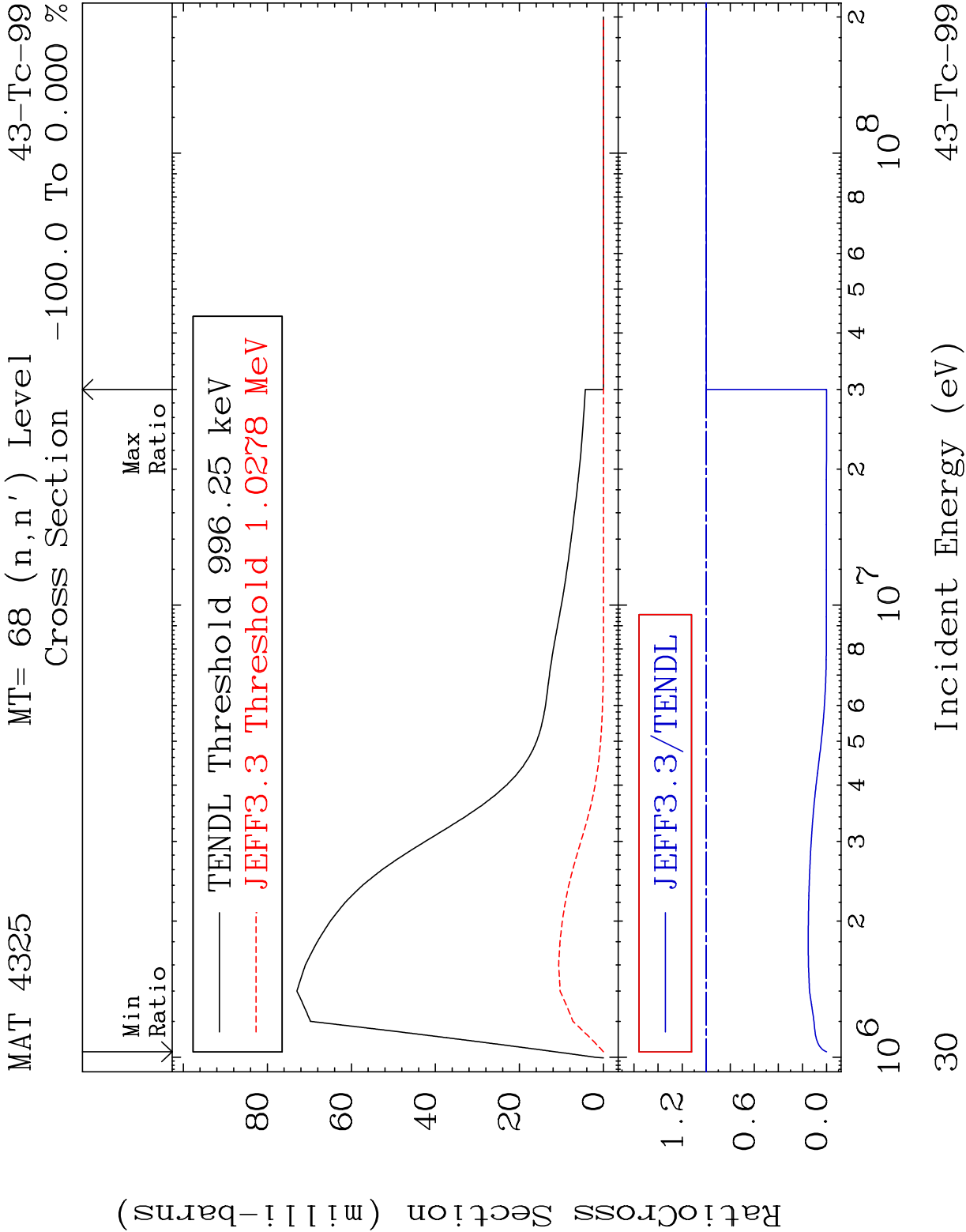
Cross Section



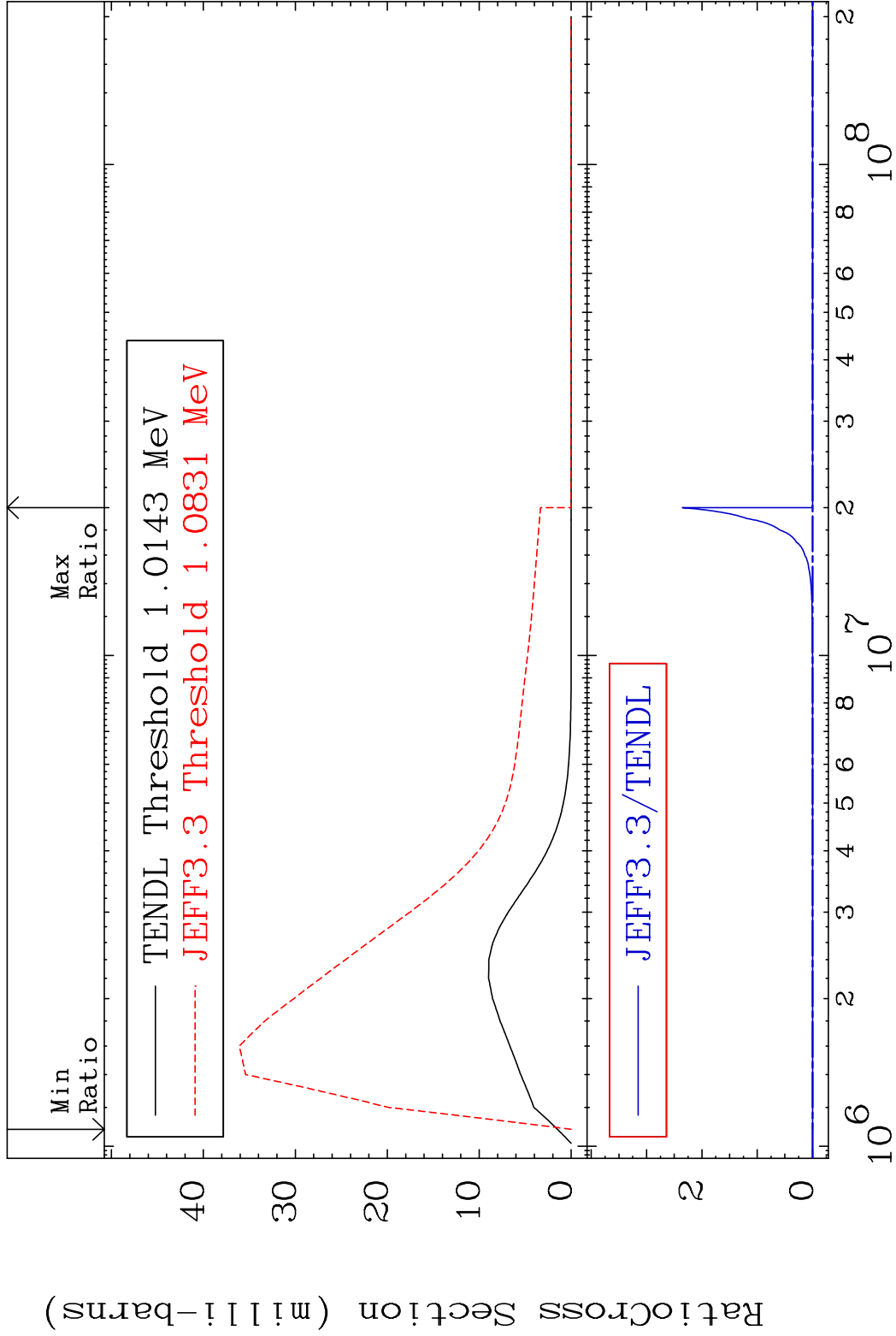
MAT 4325 MT= 66 (n,n') Level 43-Tc-99
Cross Section -100.0 To 98.31 %

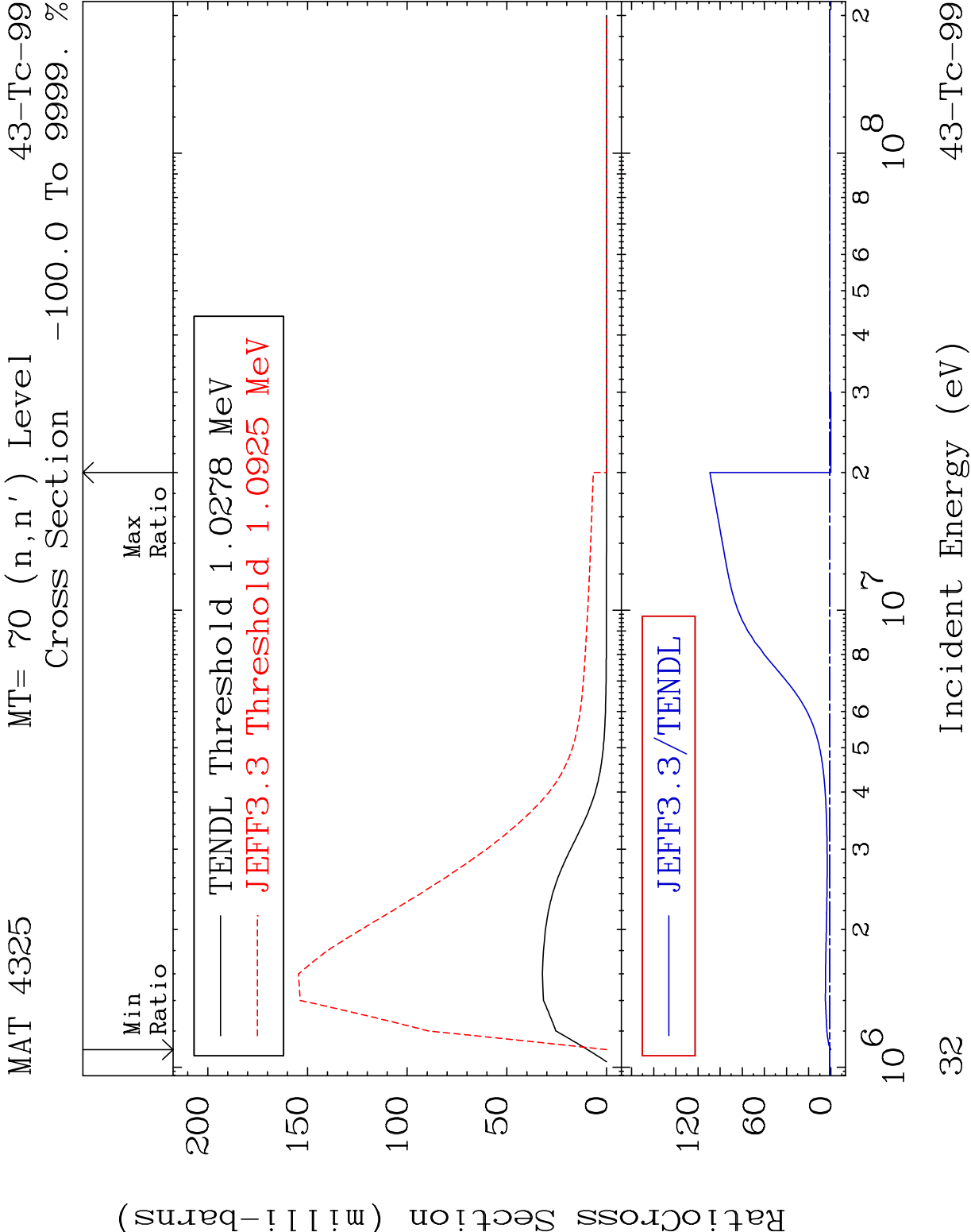


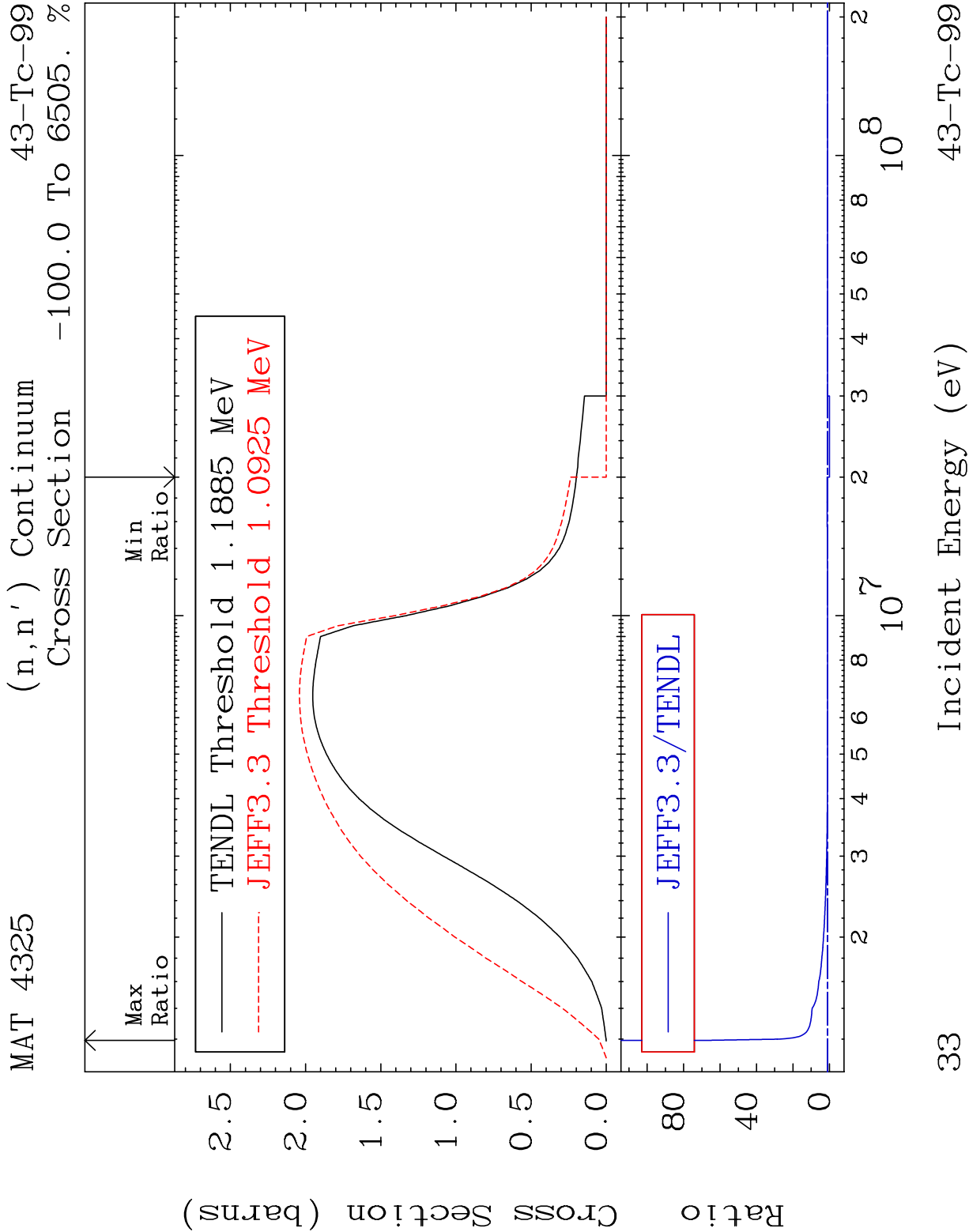


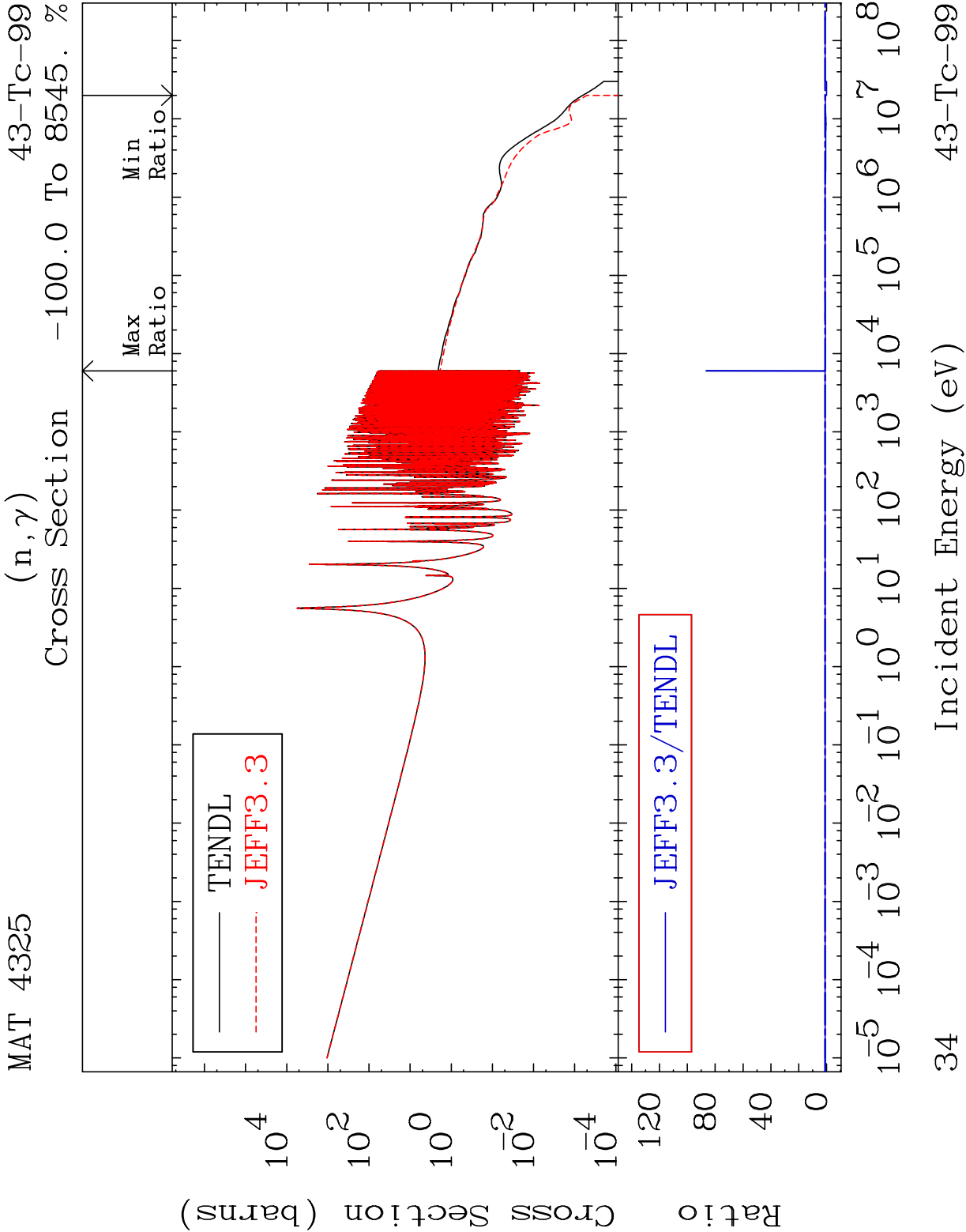


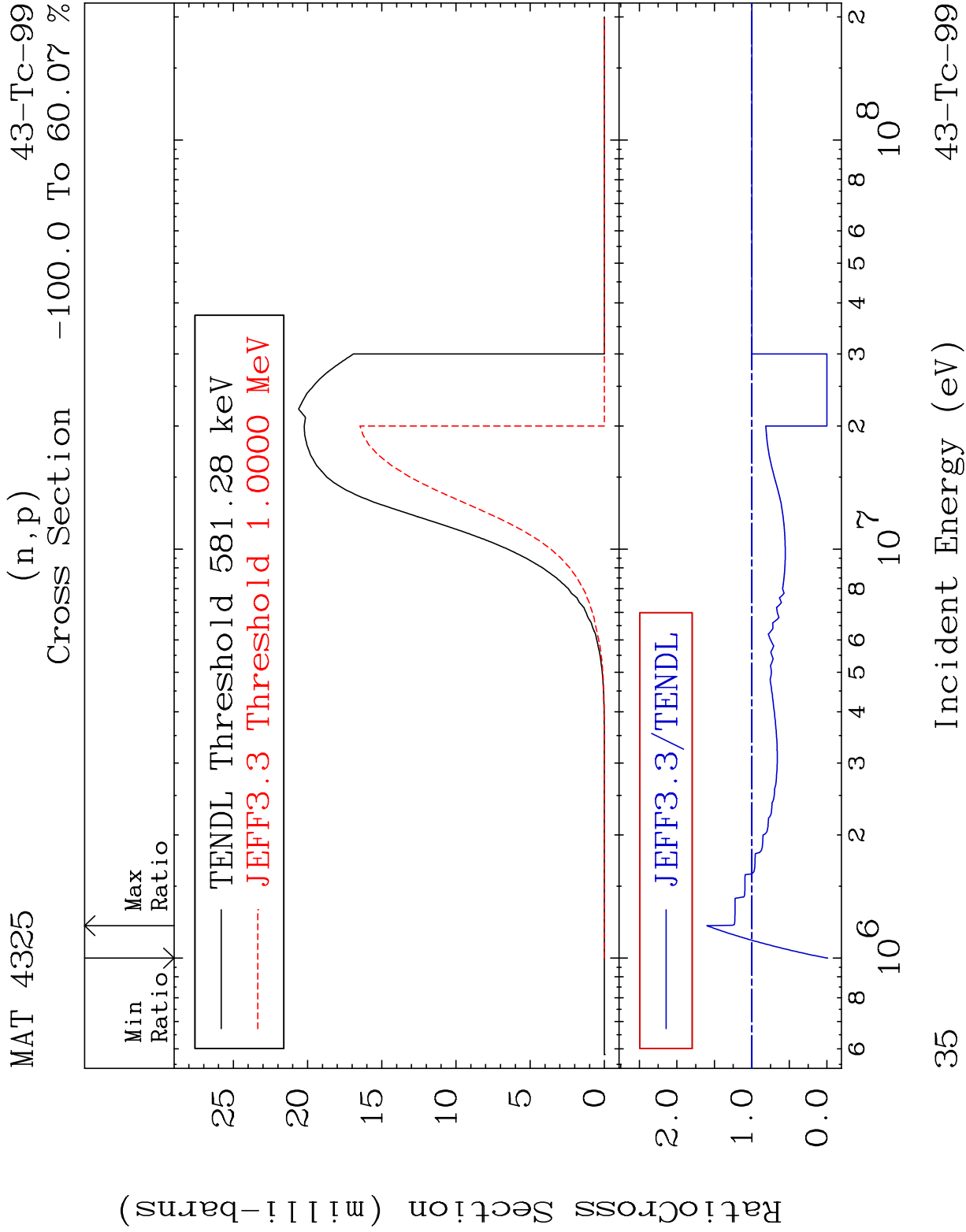
MAT 4325 MT= 69 (n,n') Level 43-Tc-99
Cross Section -100.0 To 9999. %

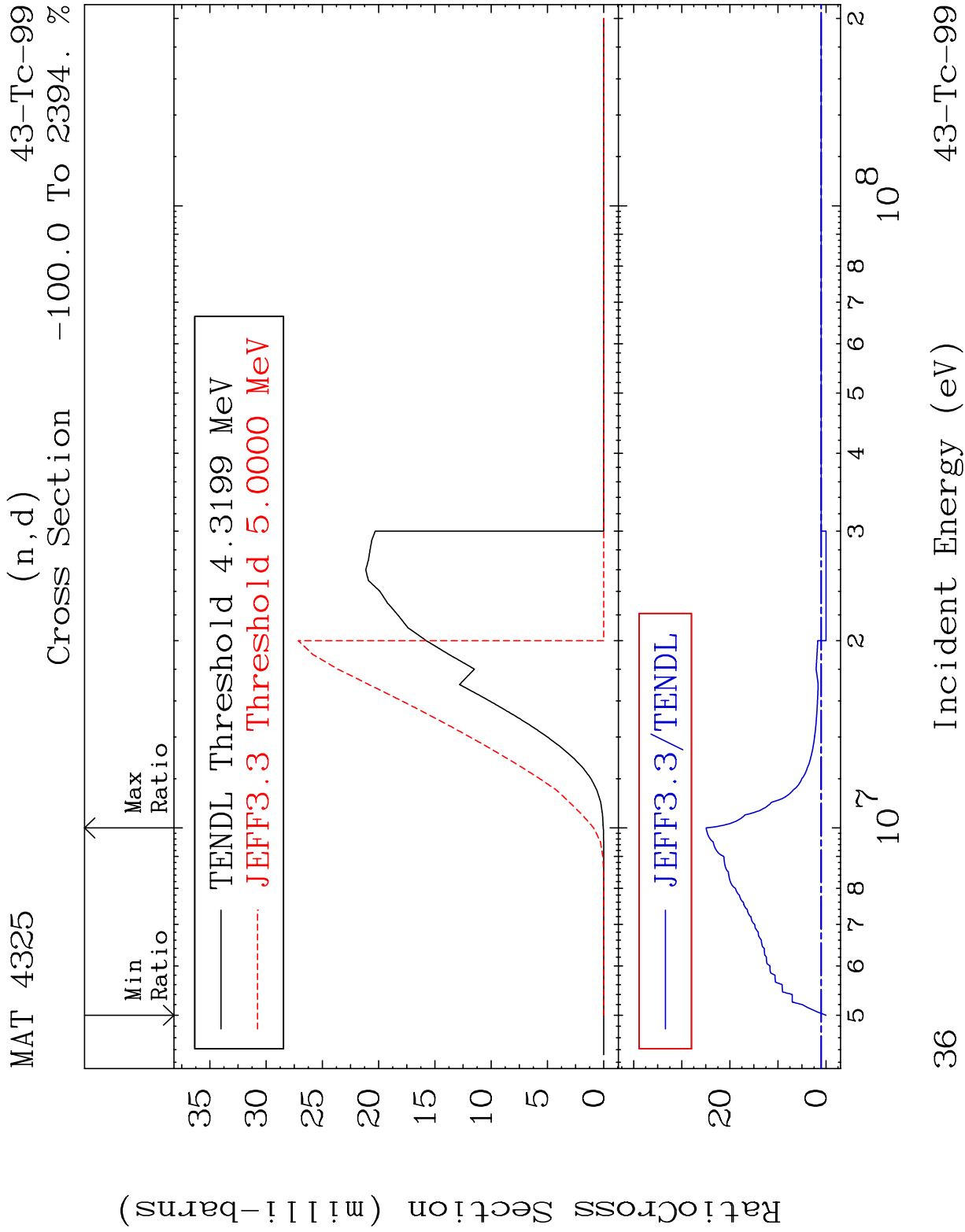


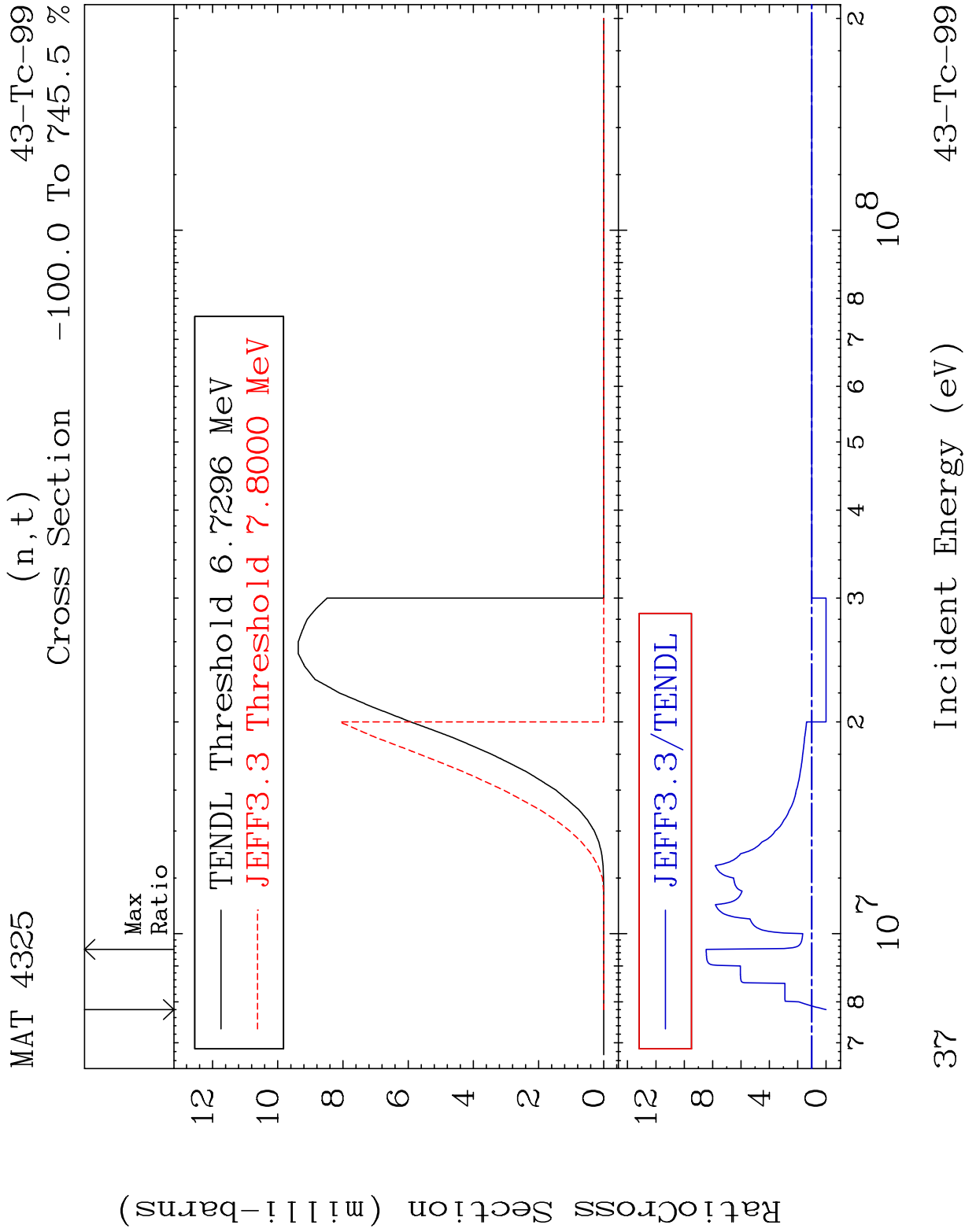


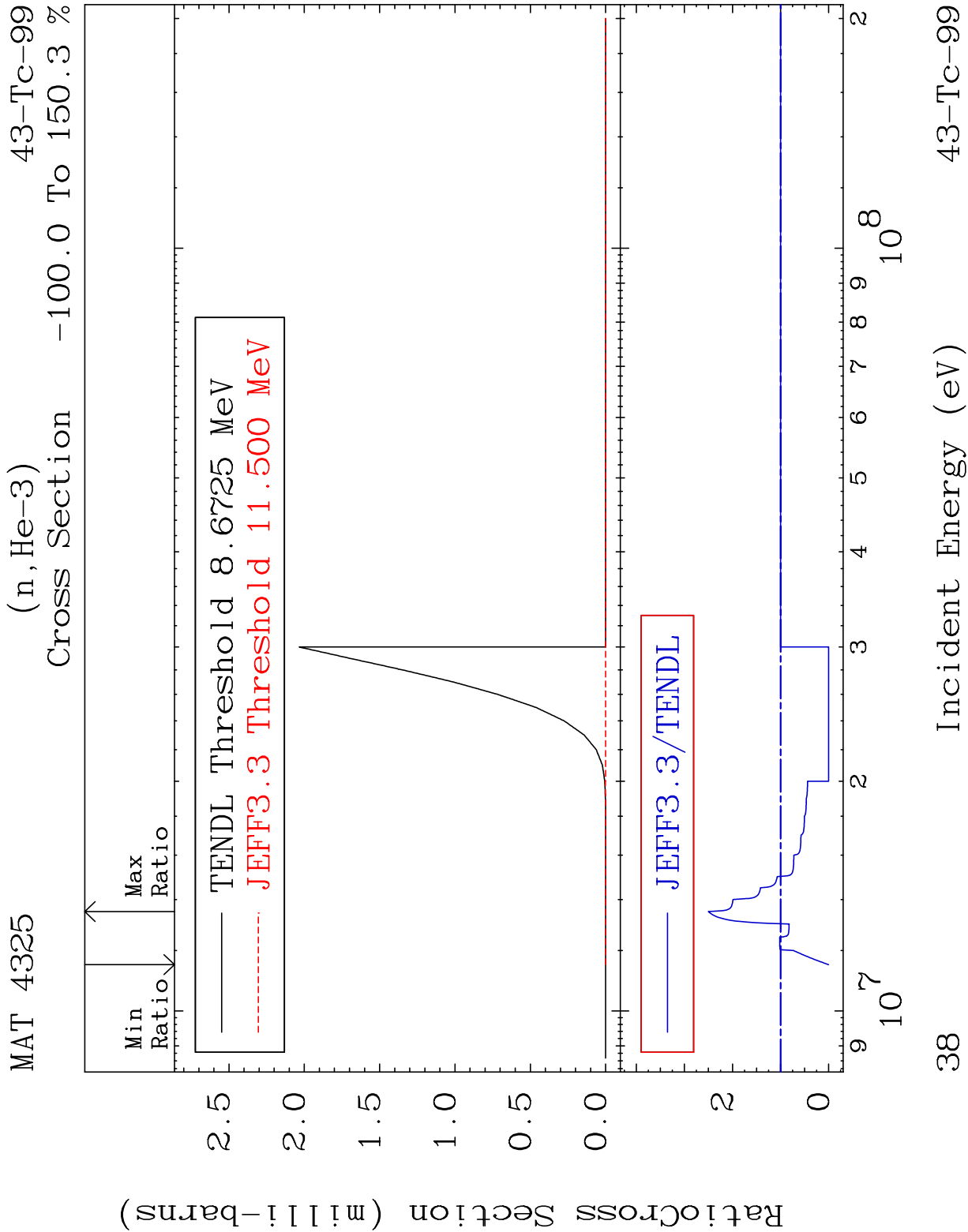


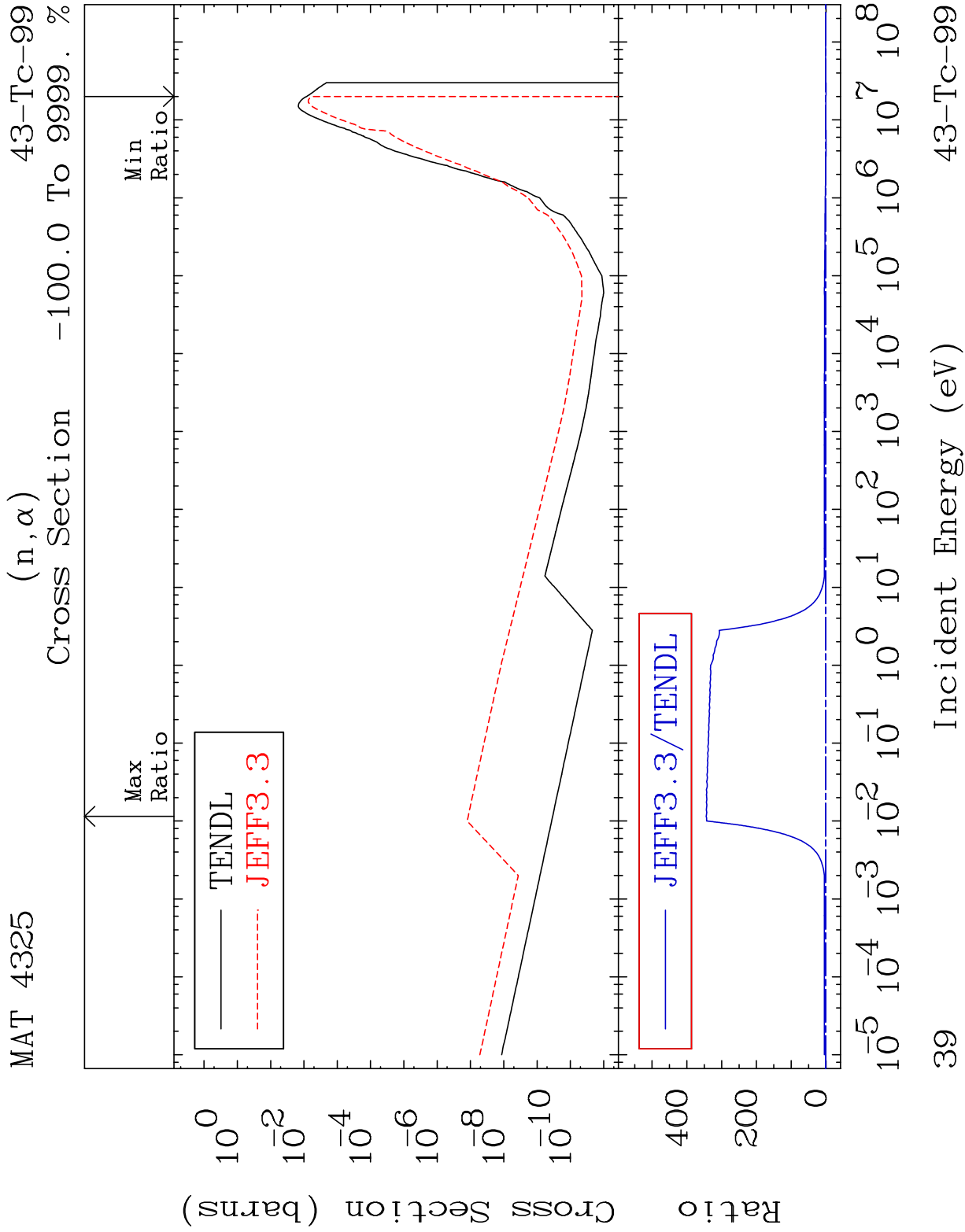


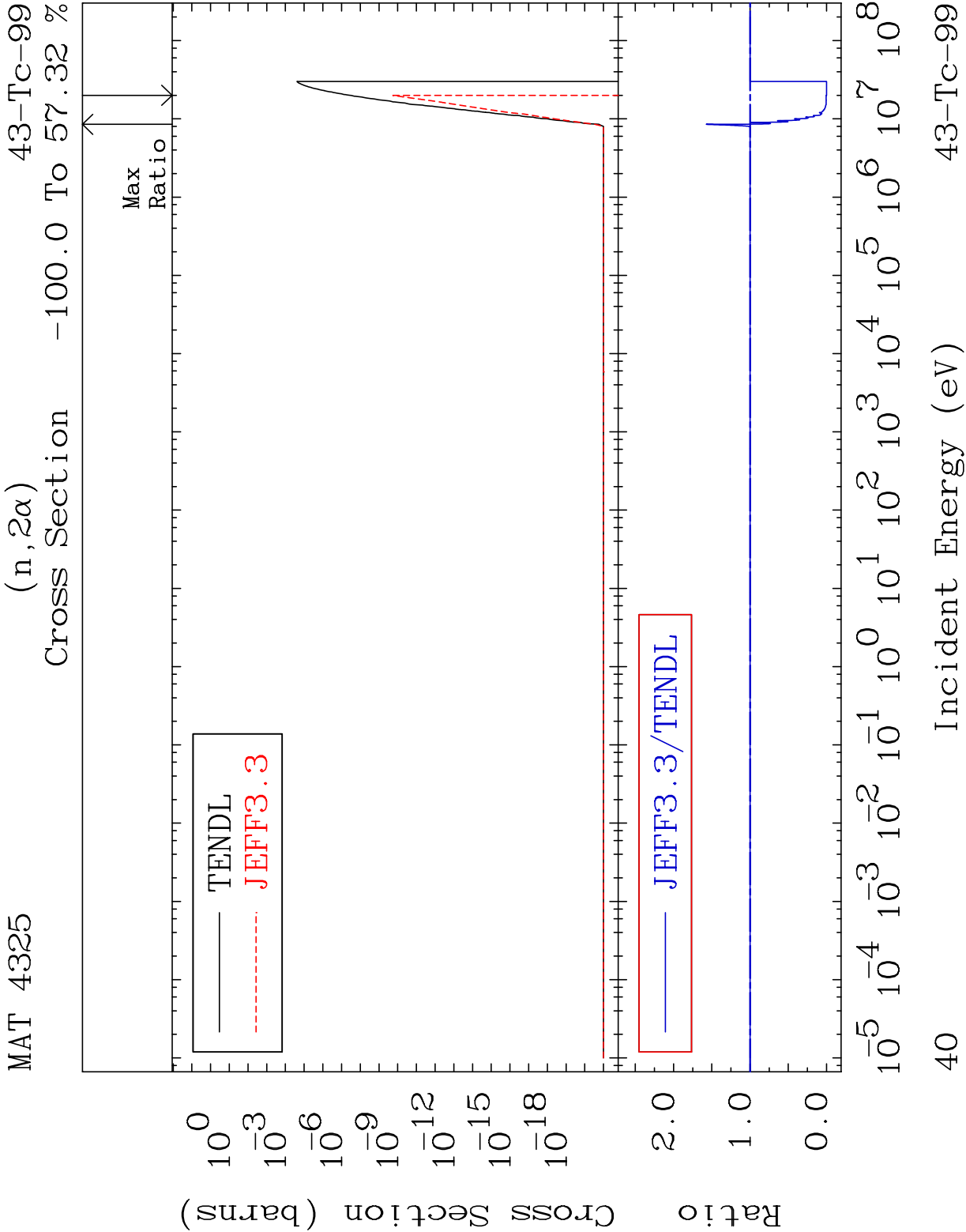


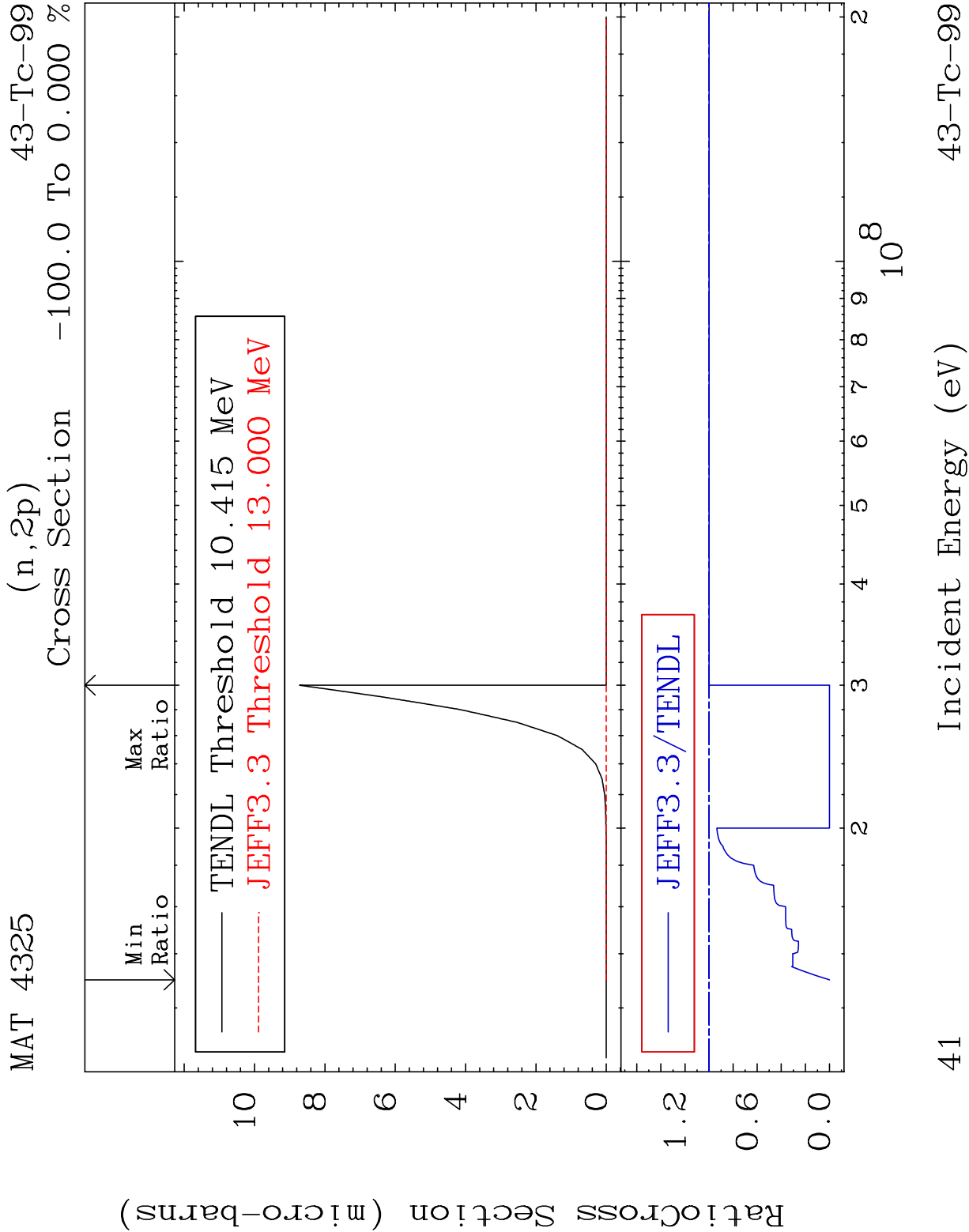


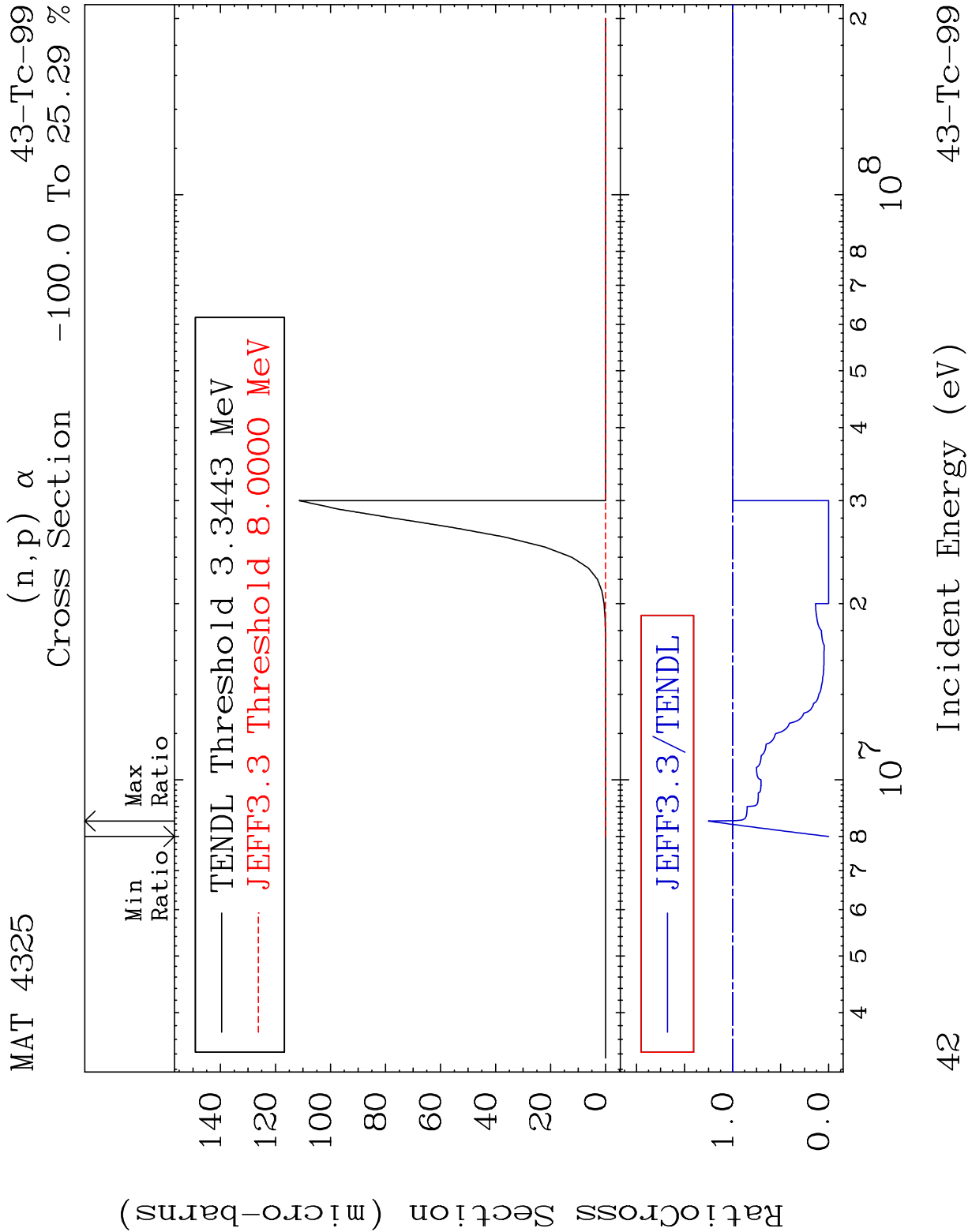




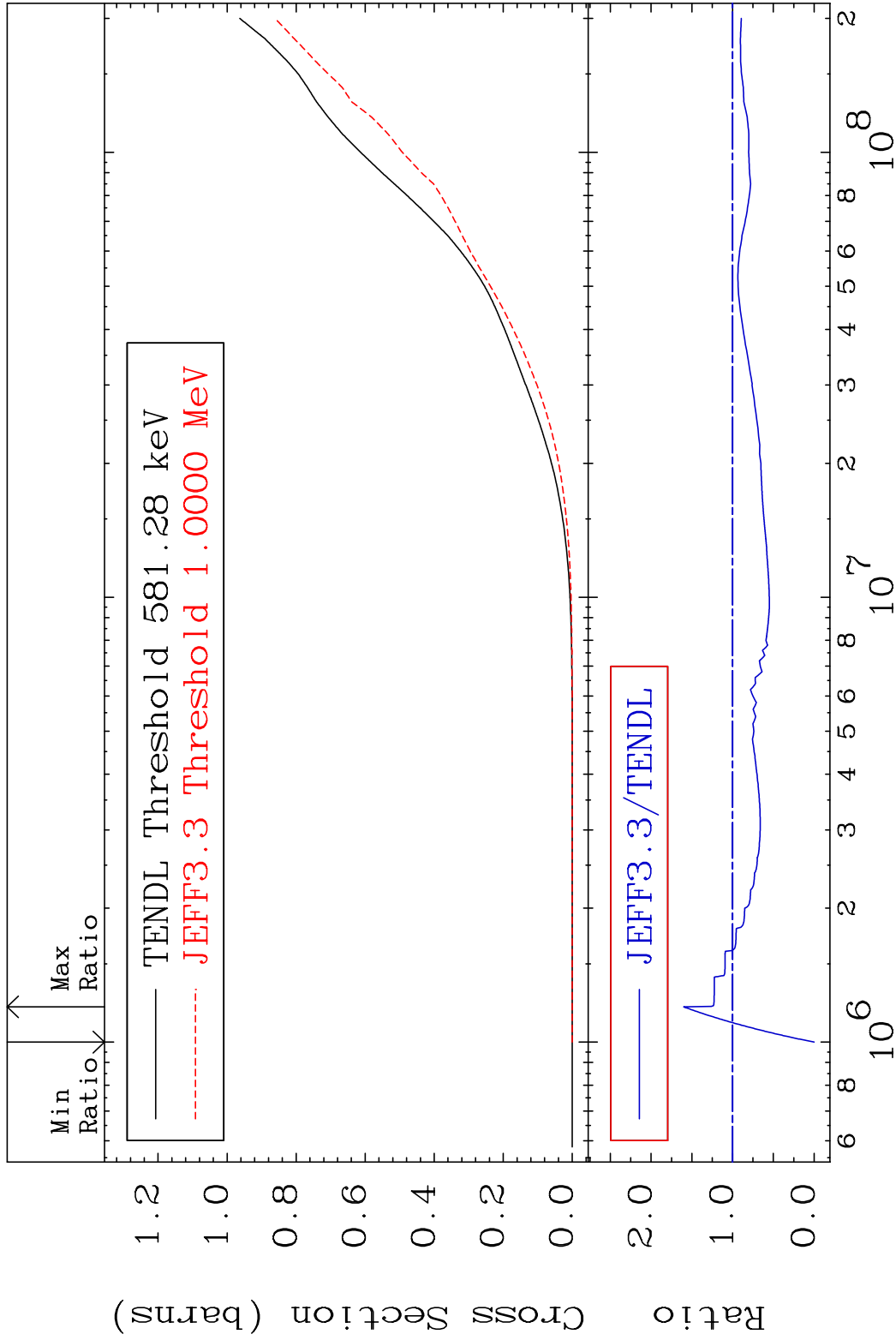


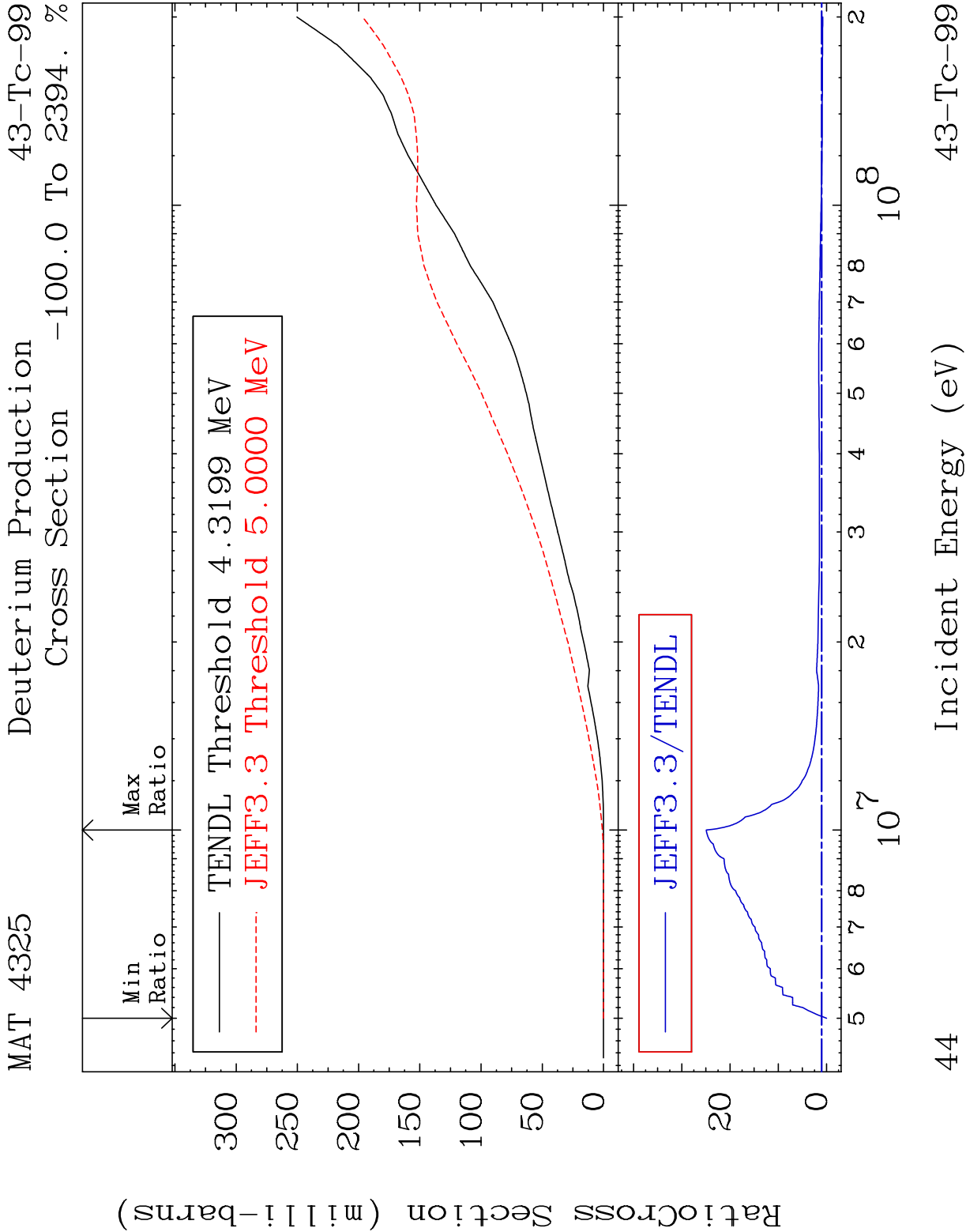




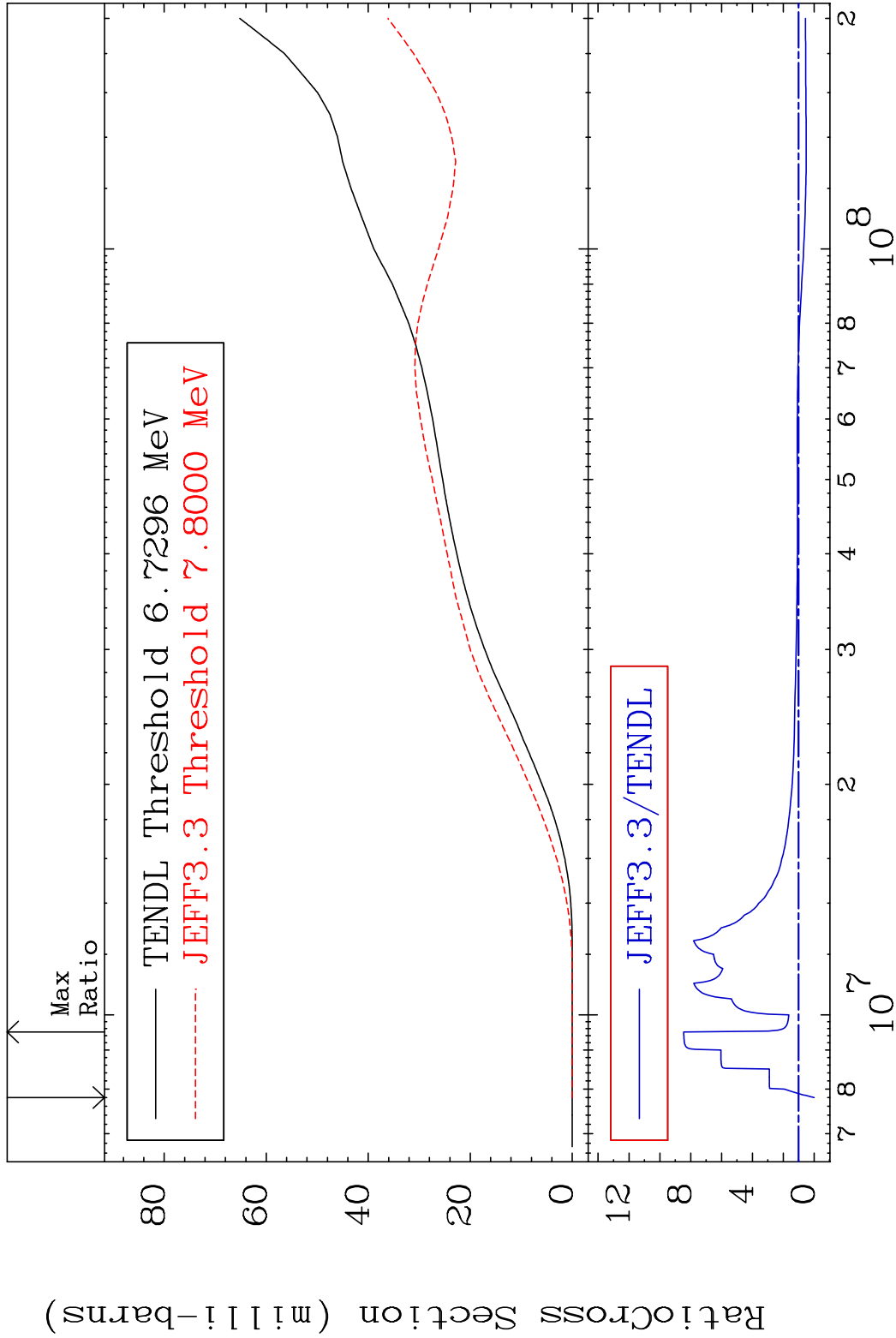


MAT 4325 Hydrogen Production 43-Tc-99
Cross Section -100.0 To 60.07 %

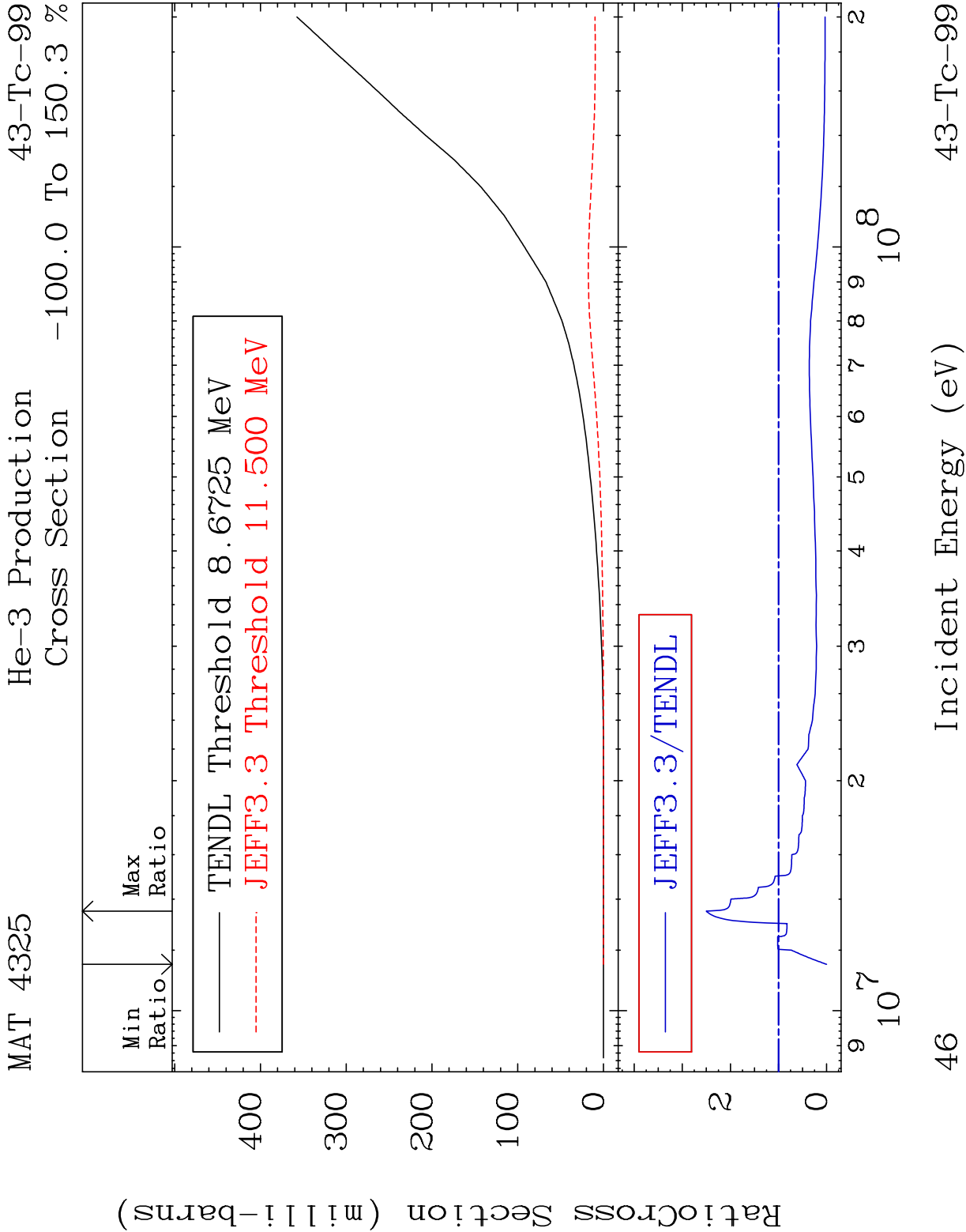


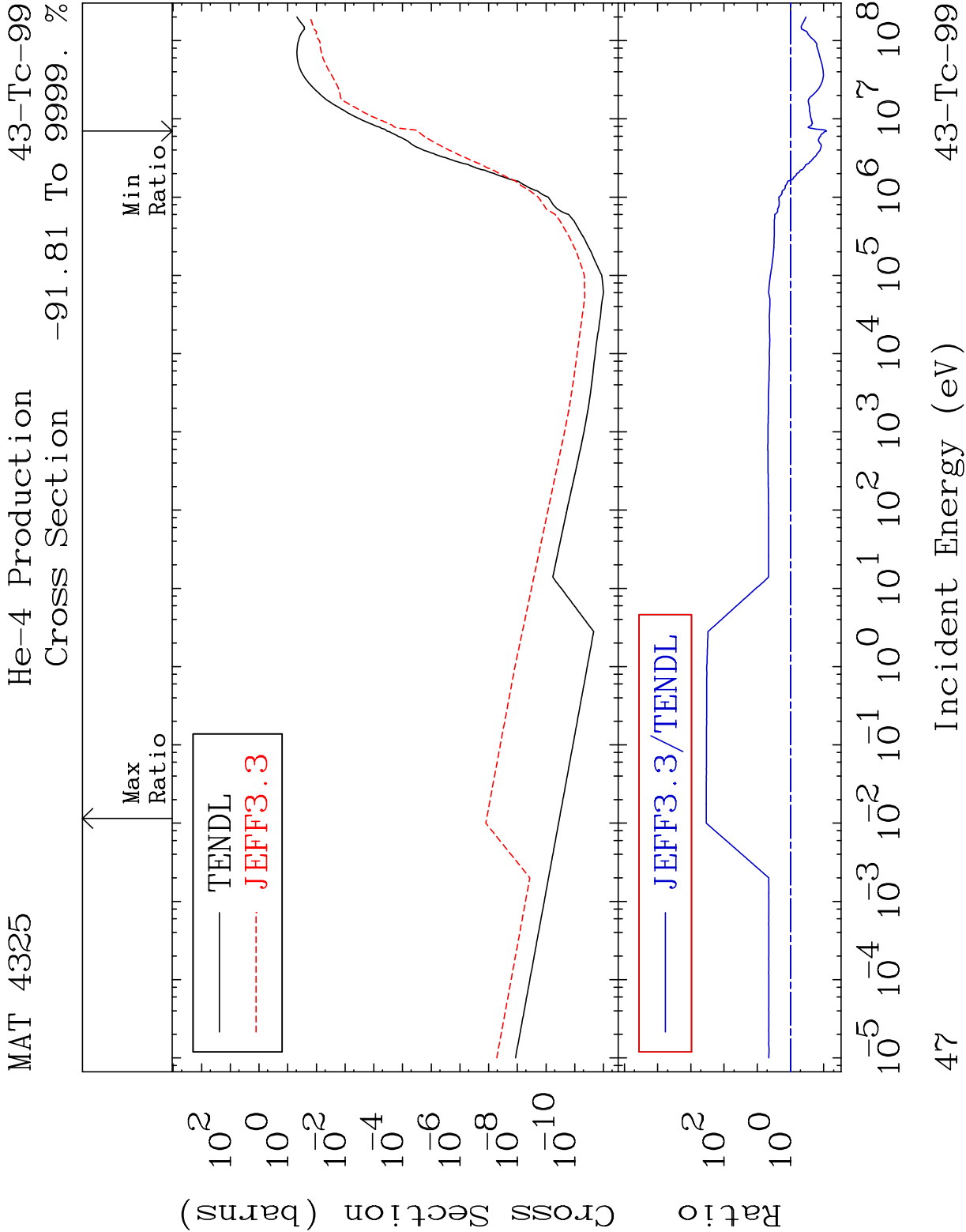


MAT 4325 Tritium Production ⁴³Tc-99
Cross Section -100.0 To 745.5 %

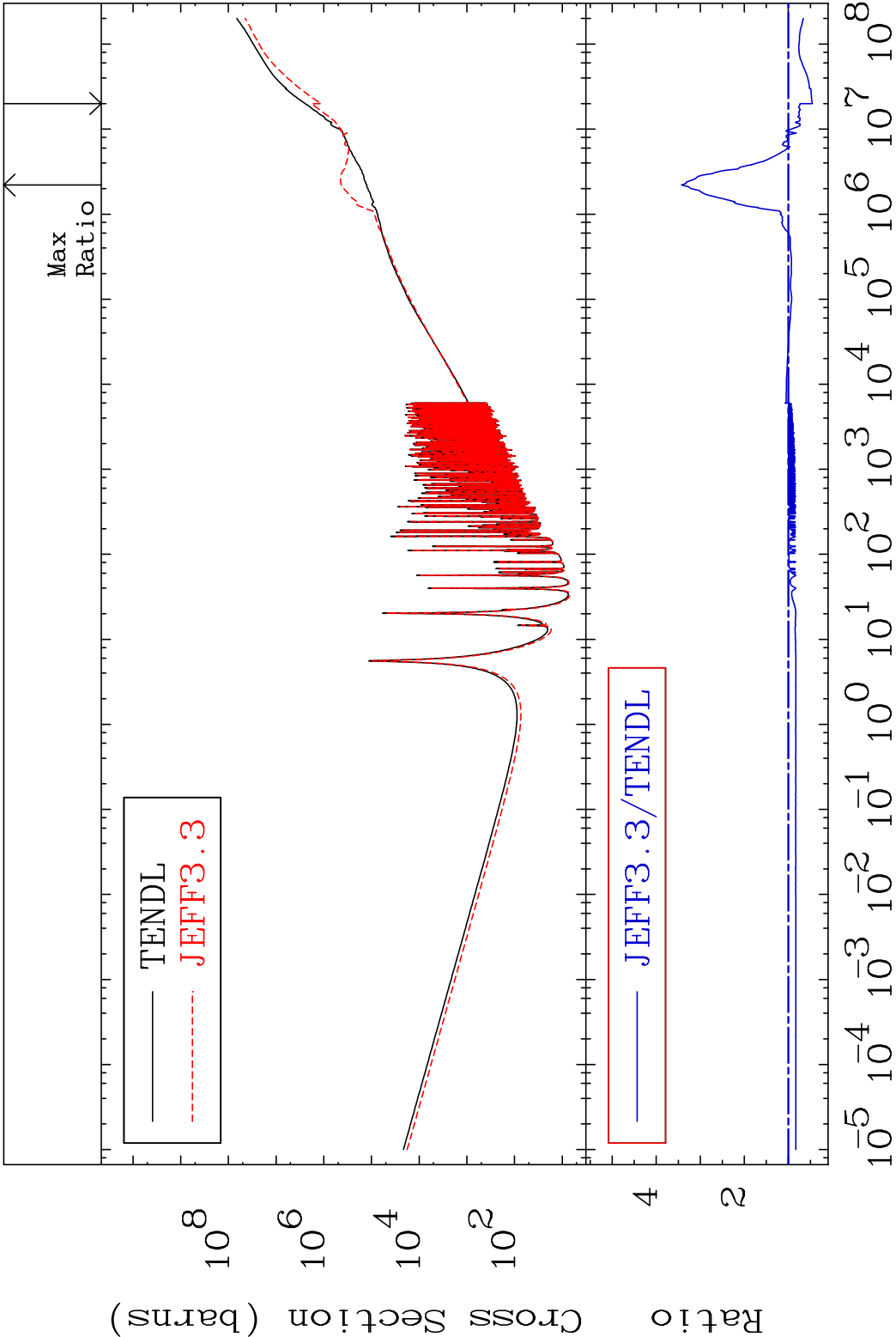


45 Incident Energy (eV) ⁴³Tc-99

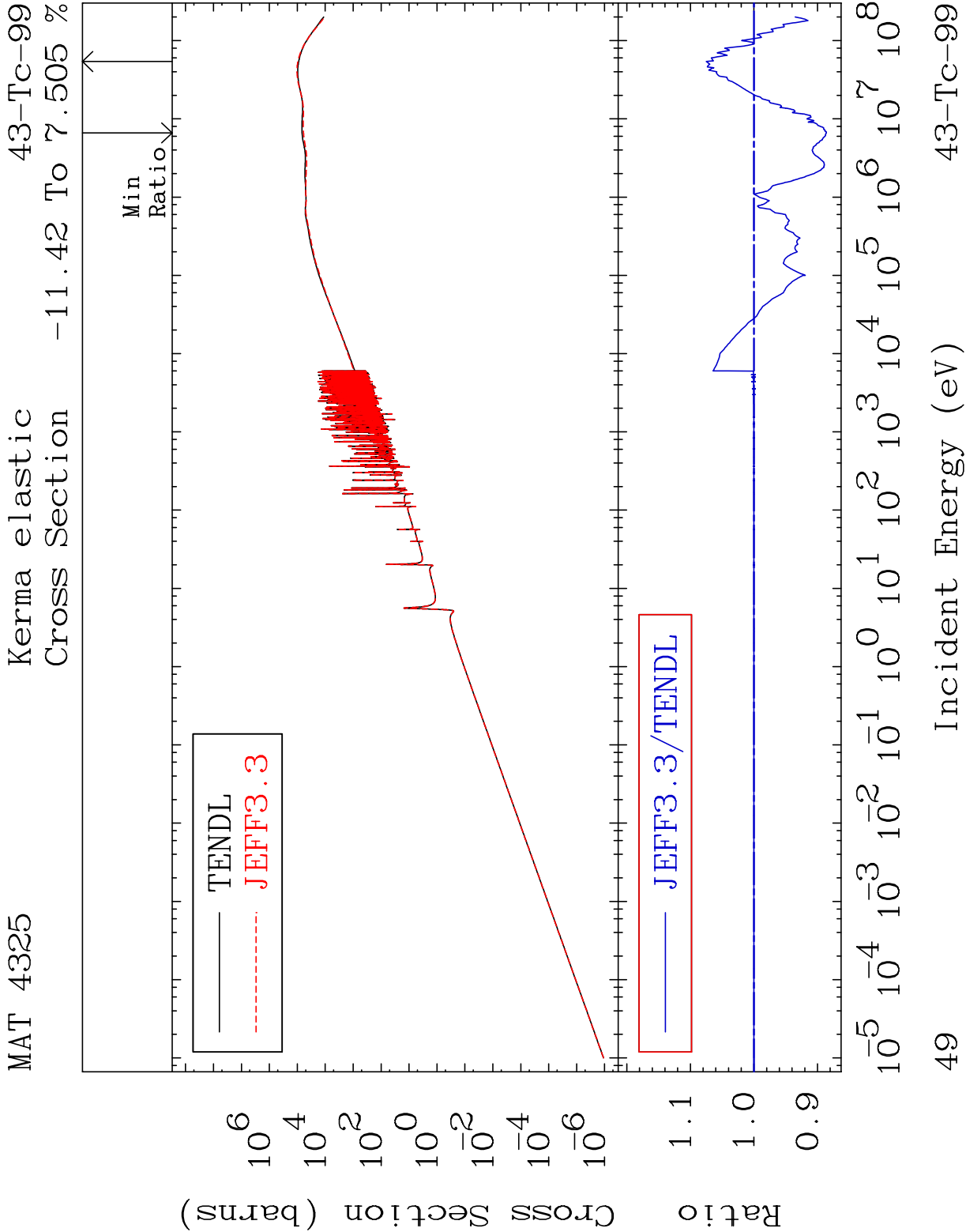




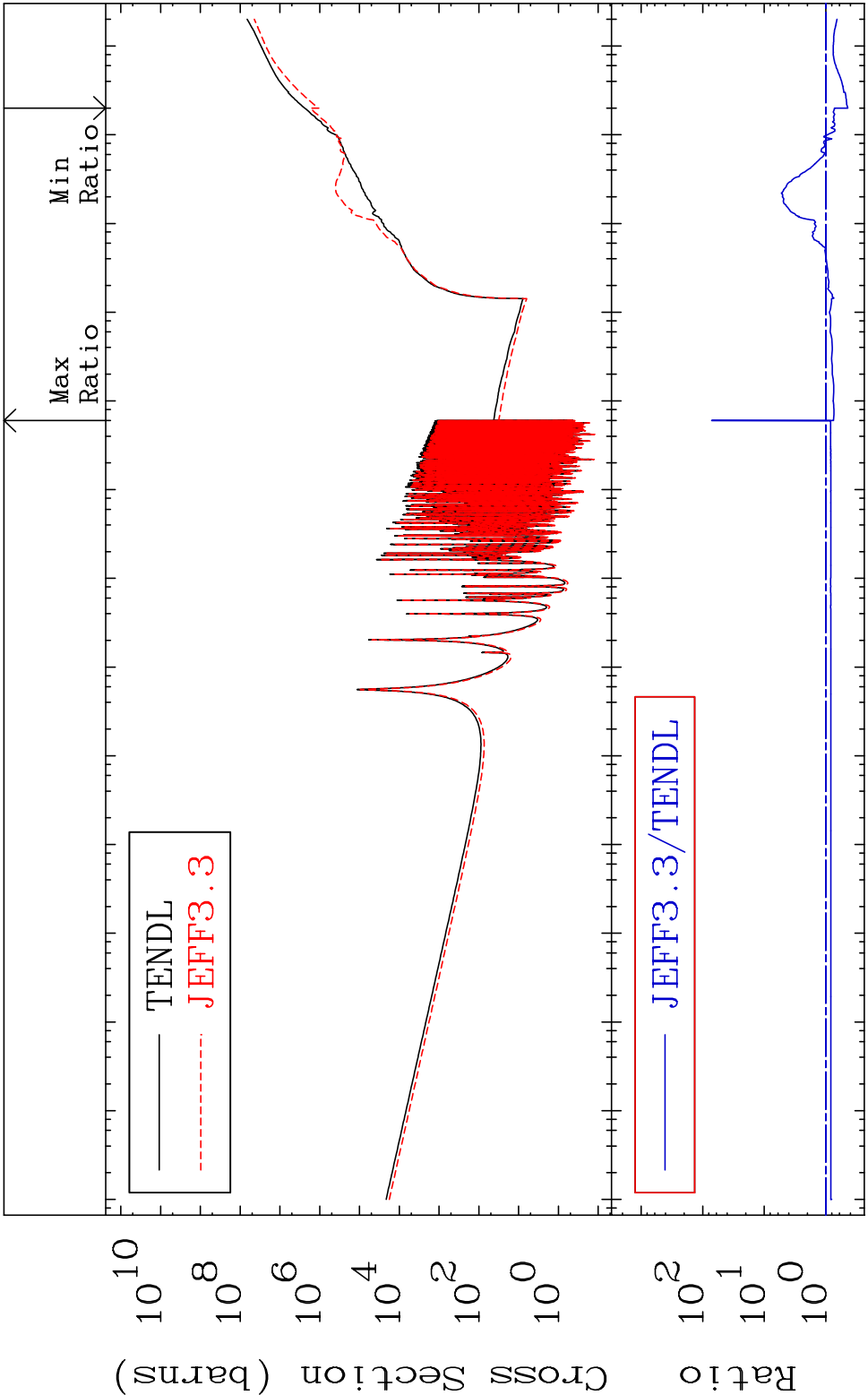
MAT 4325 Kerma total (eV-barns) 43-Tc-99
Cross Section -54.21 To 242.6 %



48 Incident Energy (eV) 43-Tc-99

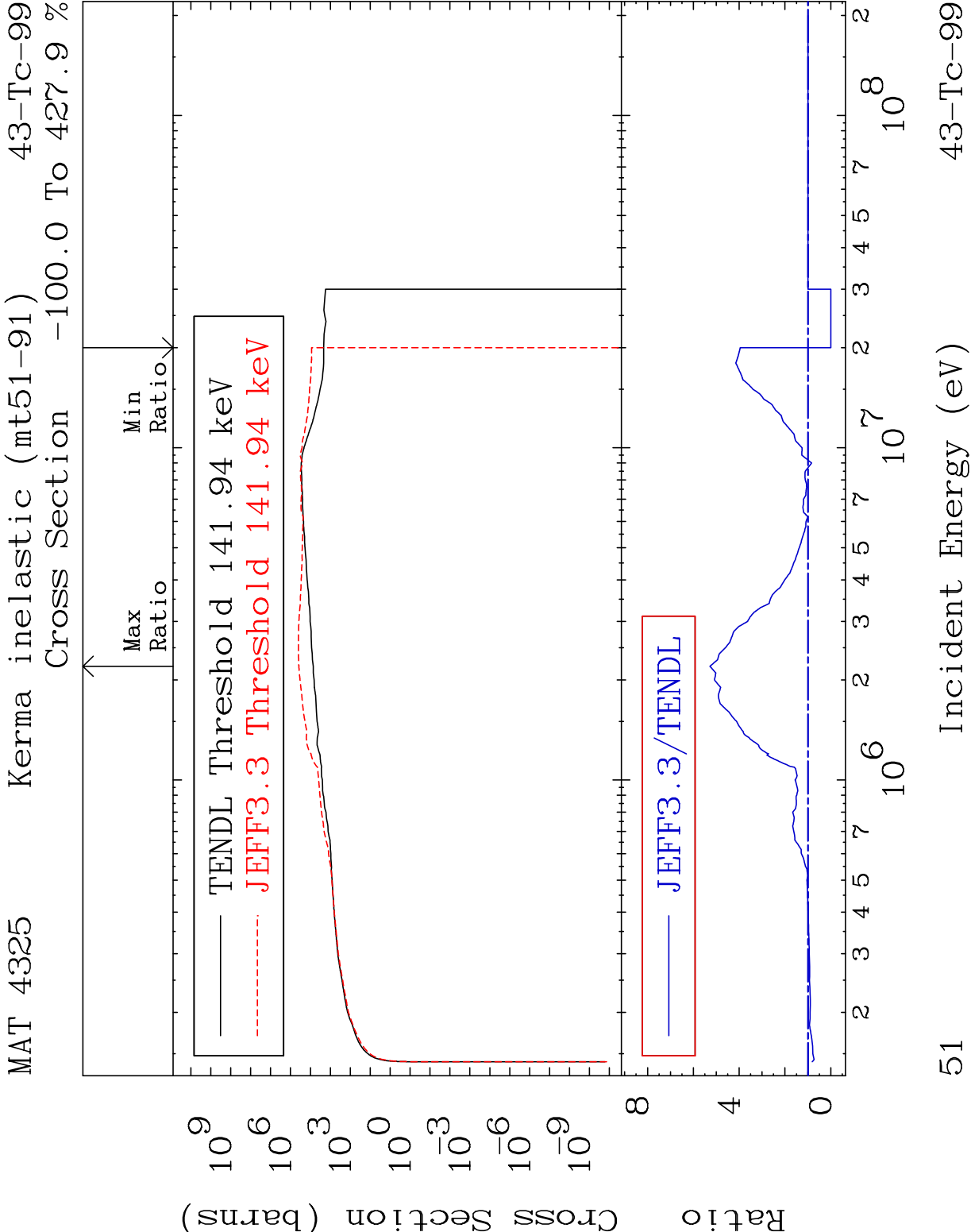


MAT 4325 Kerma non-elastic (all but mt2) 43-Tc-99
Cross Section -55.84 To 7132. %

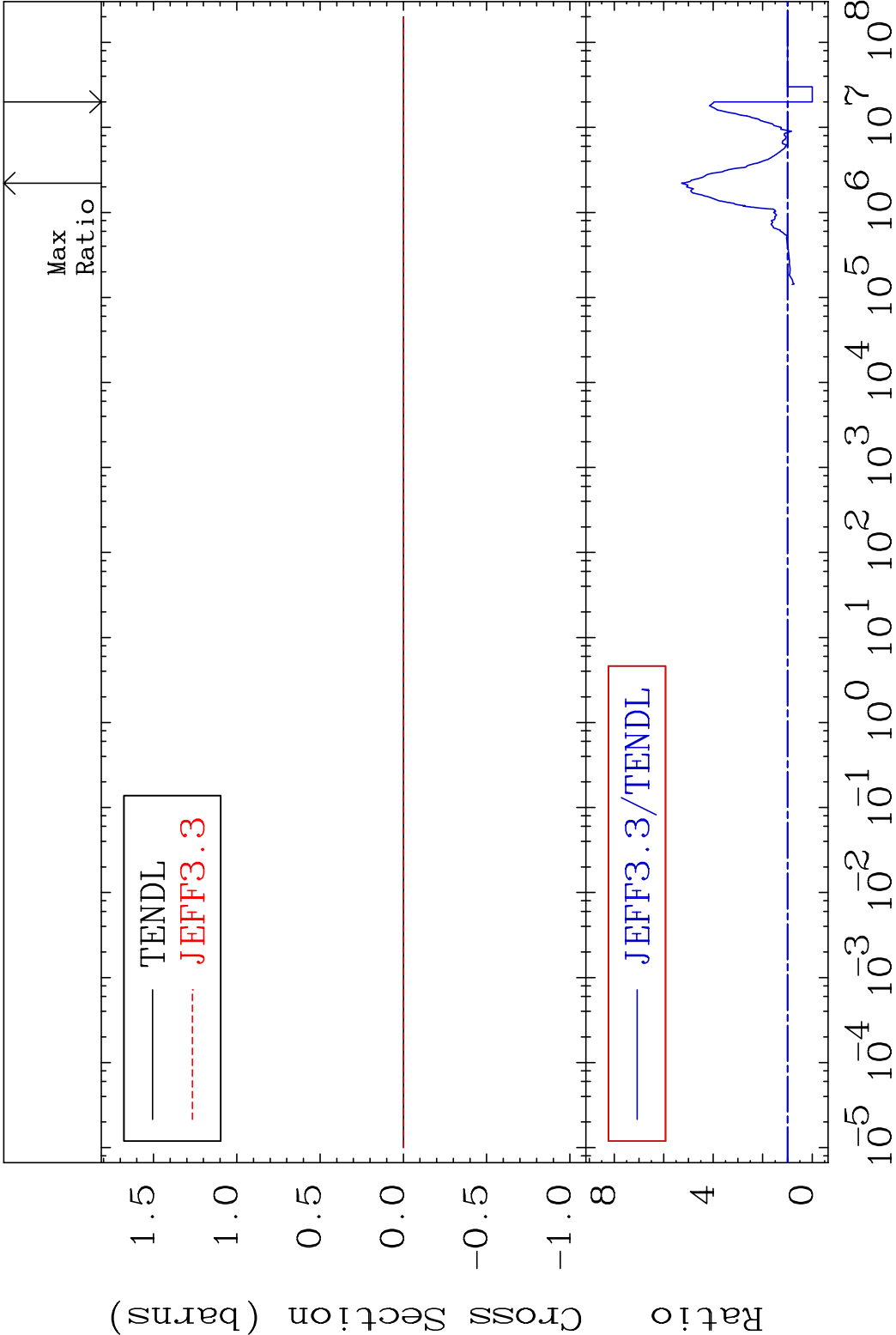


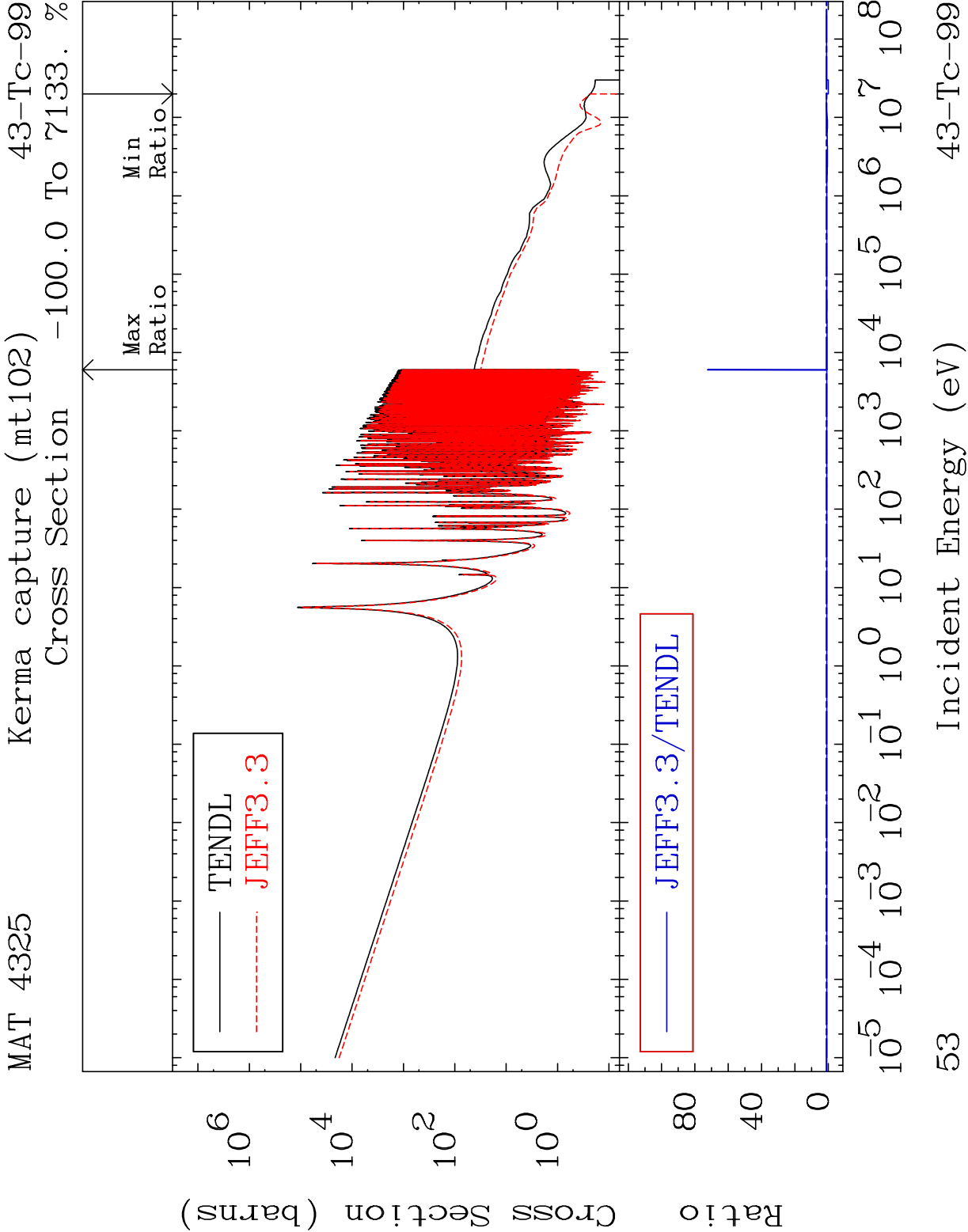
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

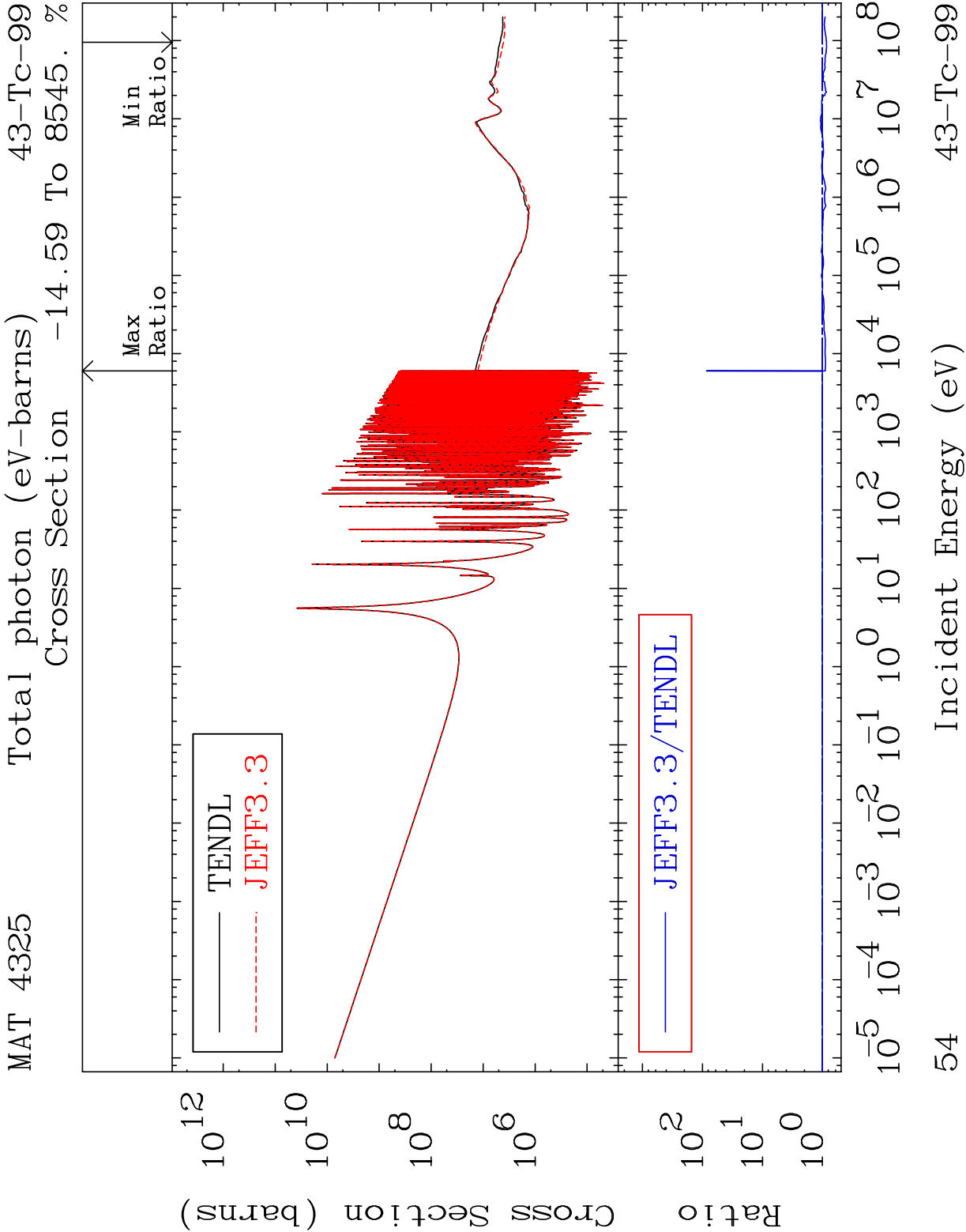
50 Incident Energy (eV) 43-Tc-99



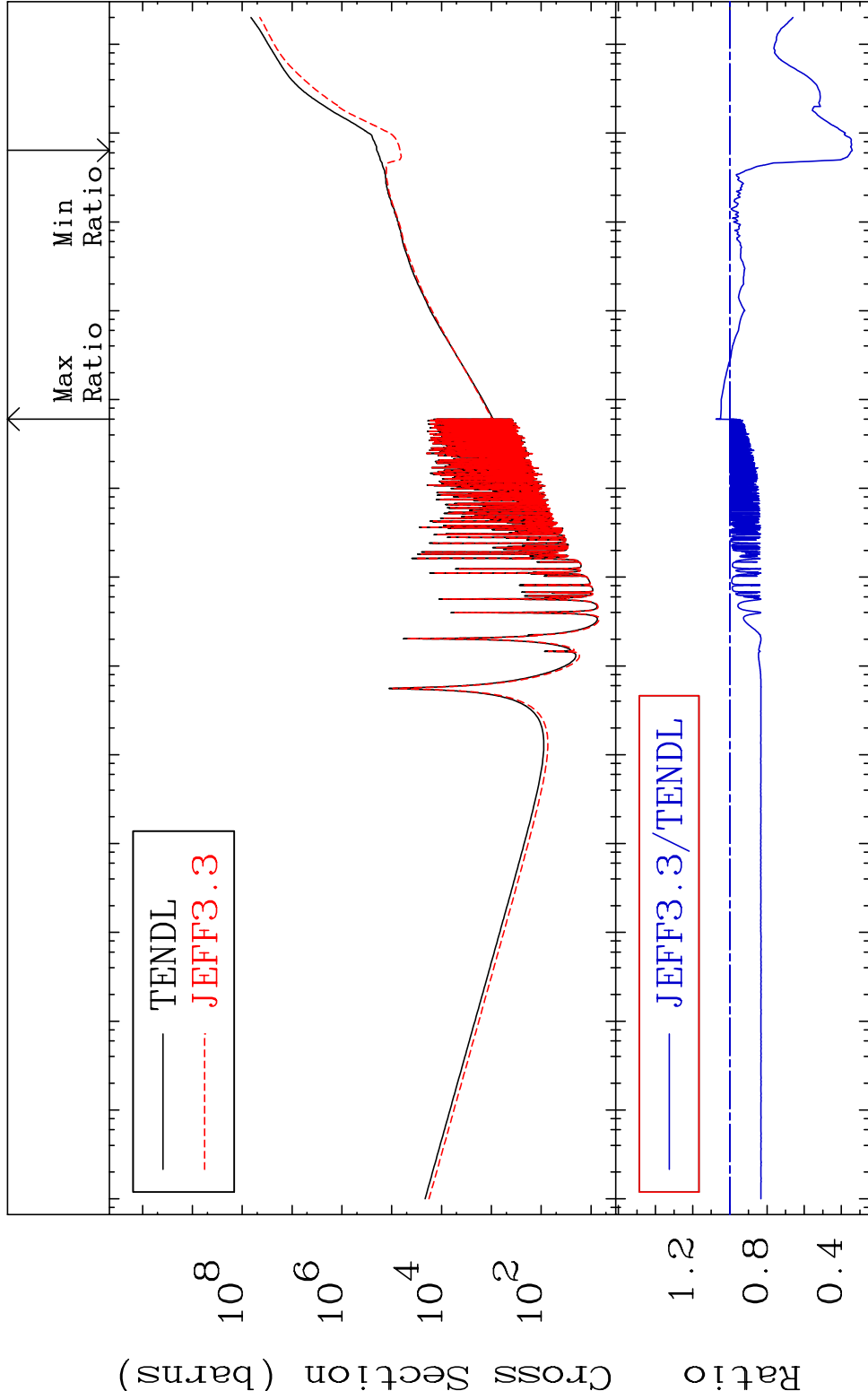
MAT 4325 Kerma fission (mt18 or mt19-20-21-38) 43-Tc-99
Cross Section -100.0 To 427.9 %



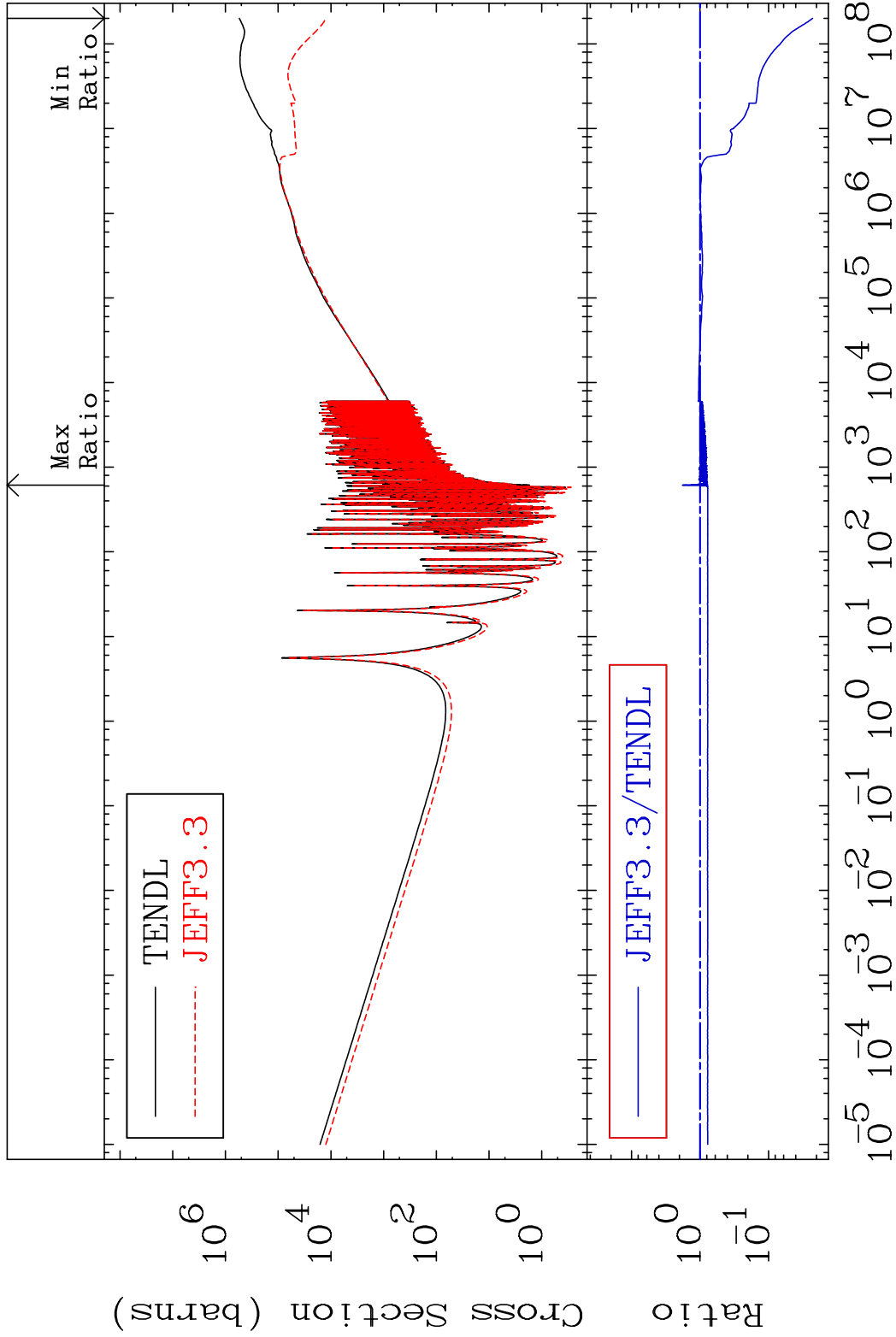




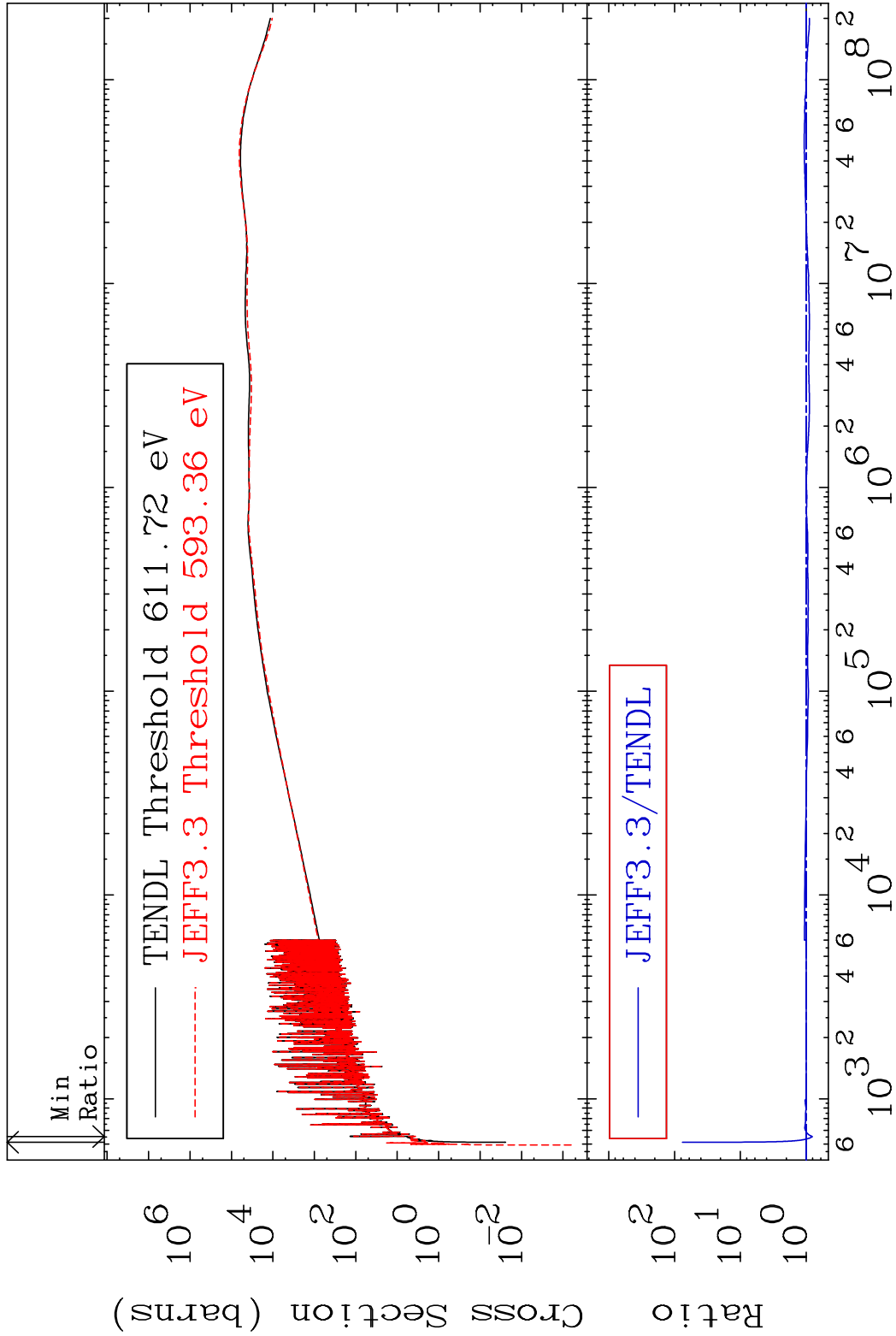
MAT 4325 Total kinematic kerma (high limit) 43-Tc-99
Cross Section -65.85 To 7.631 %

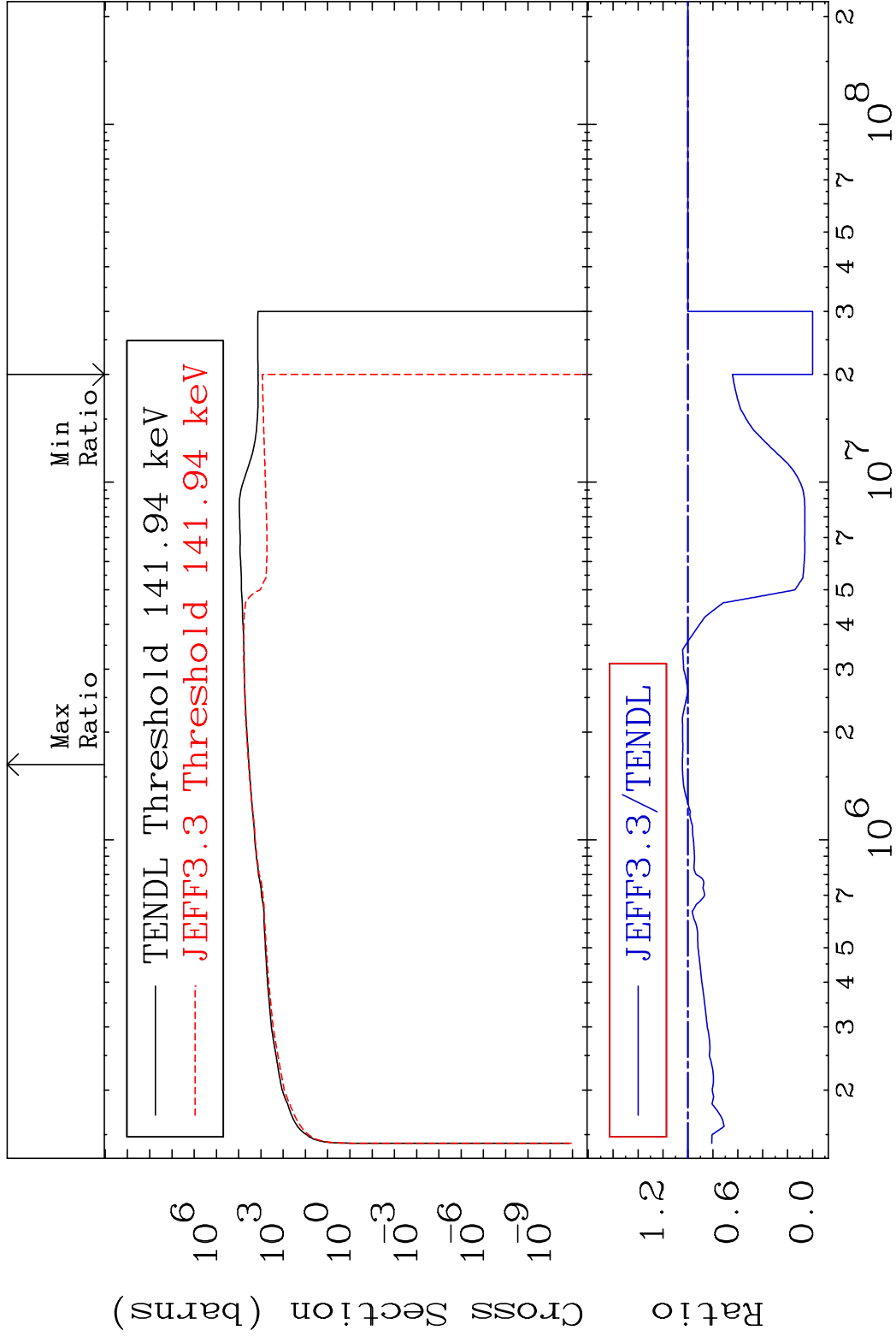


MAT 4325	Dpa total (eV-barns)	43-Tc-99
	Cross Section	-97.73 To 81.32 %

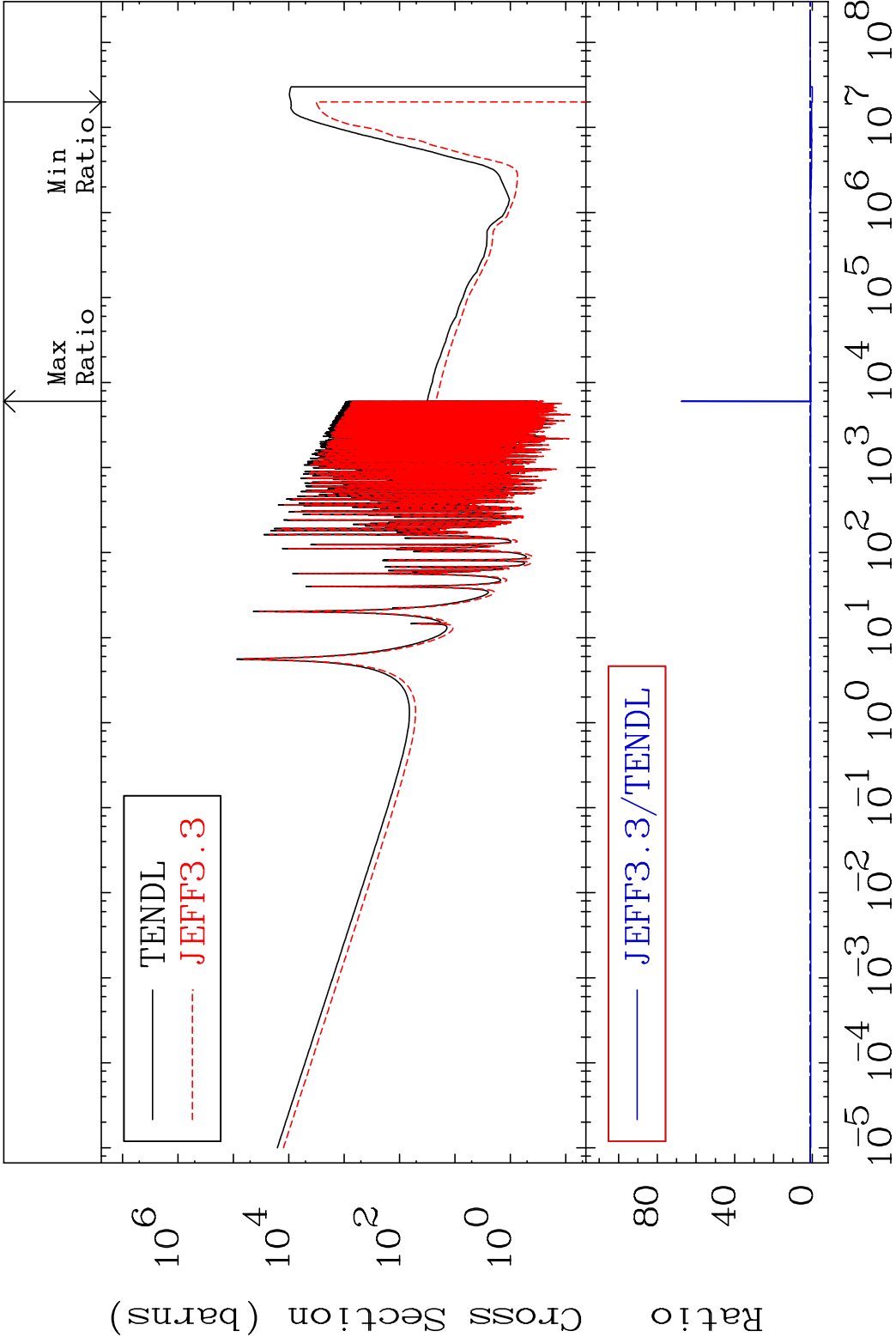


MAT 4325 Dpa elastic (mt2) 43-Tc-99
 Cross Section -20.09 To 7518. %

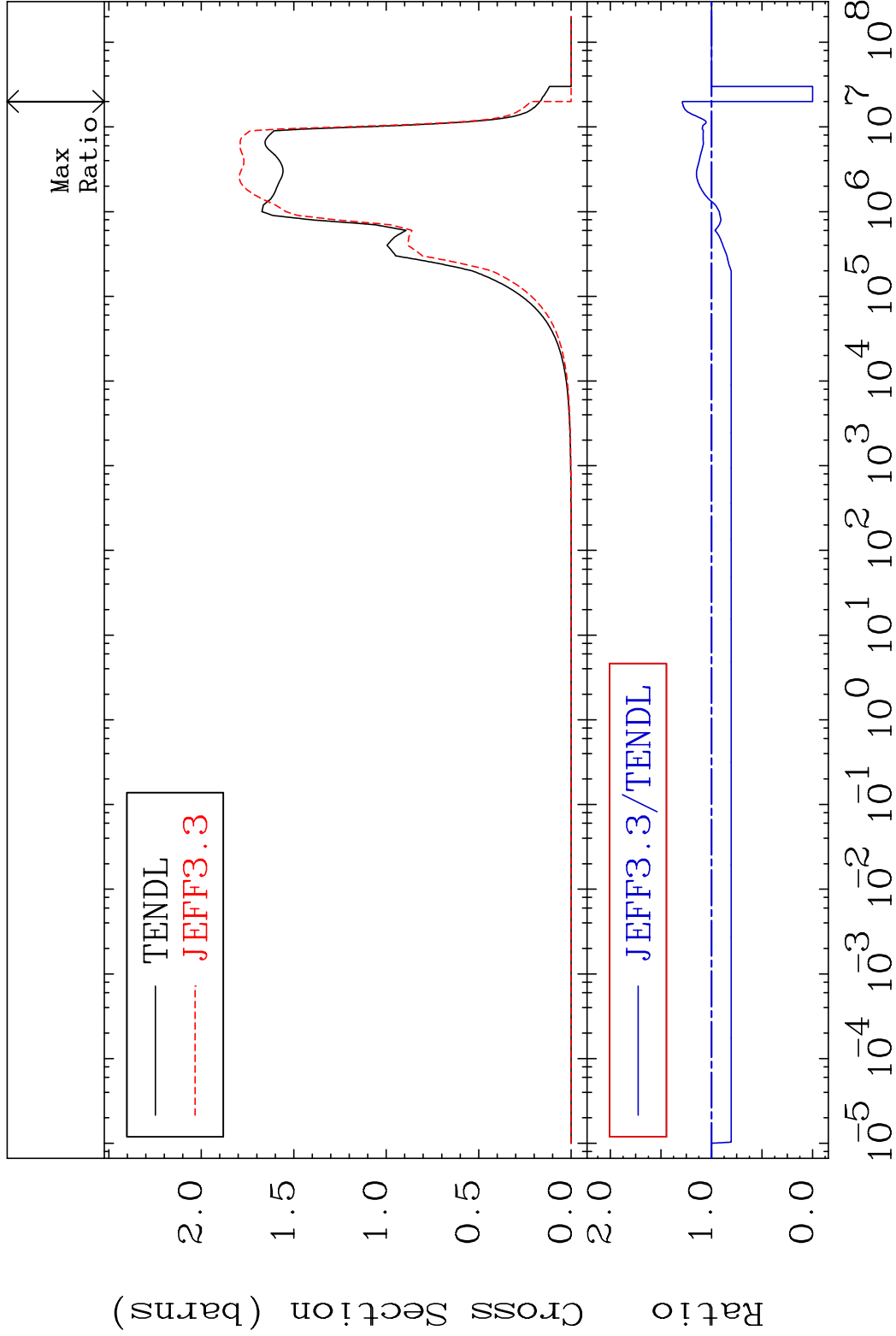


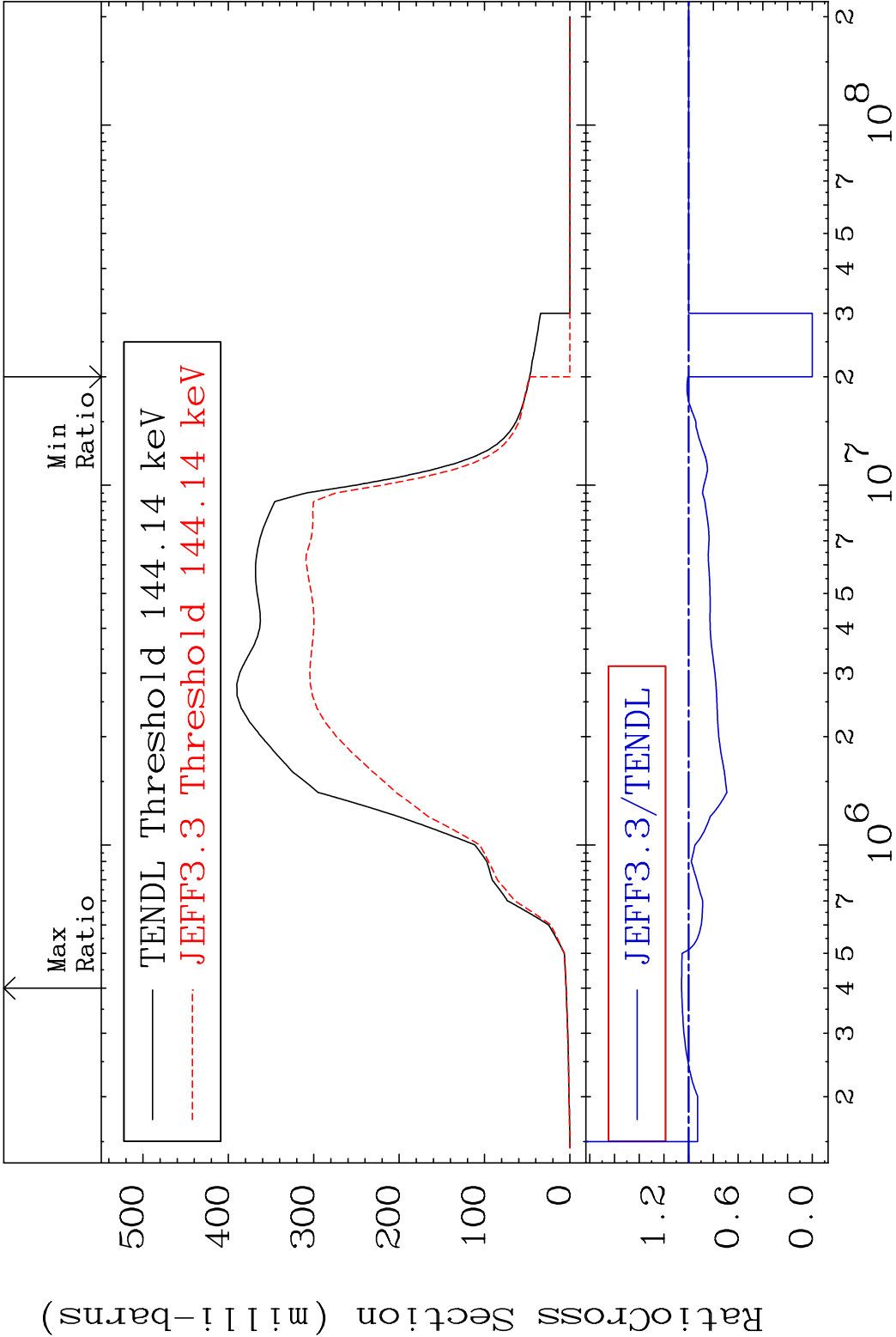


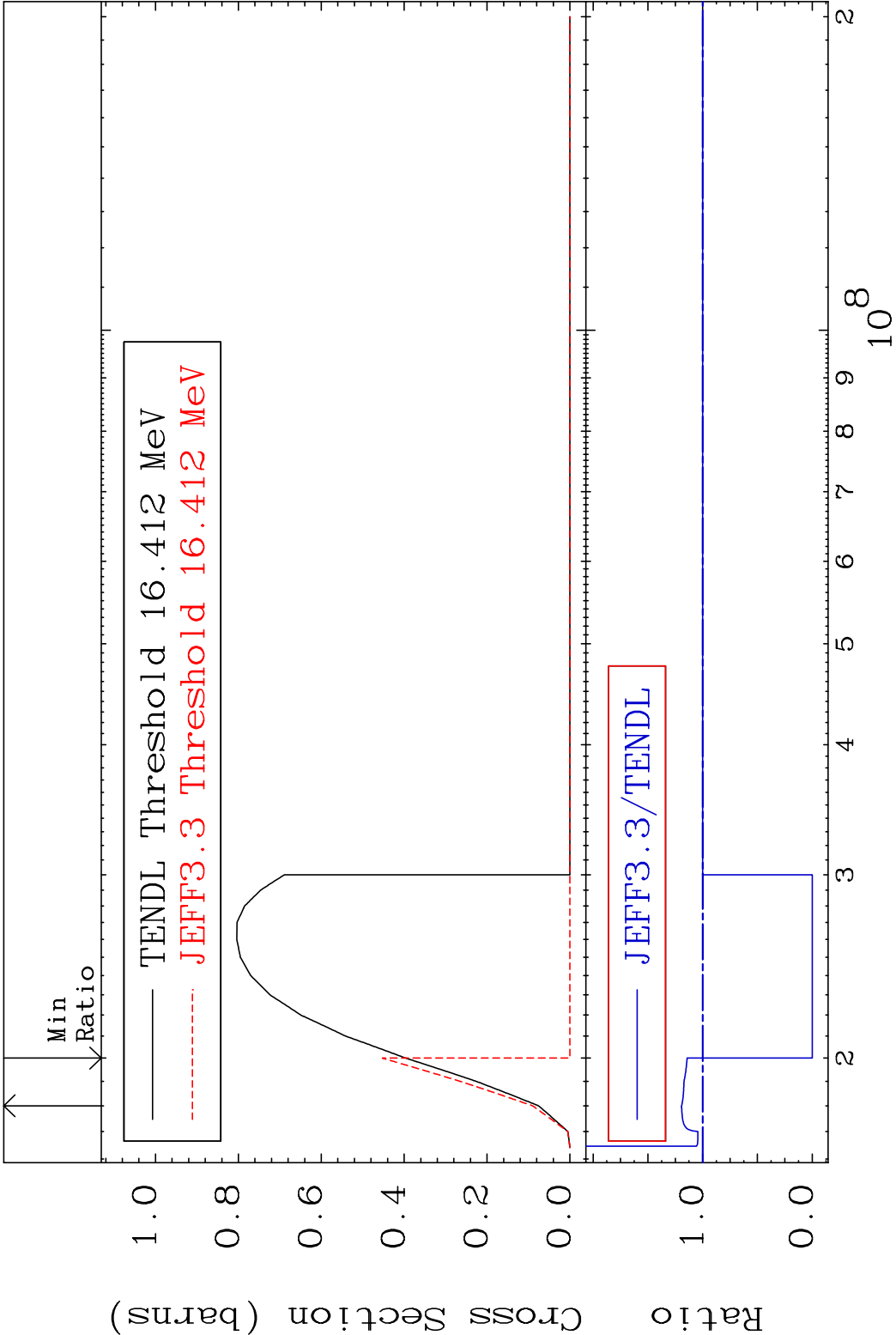
MAT 4325 Dpa disappearance (mt102 -120) 43-Tc-99
Cross Section -100.0 To 6647. %

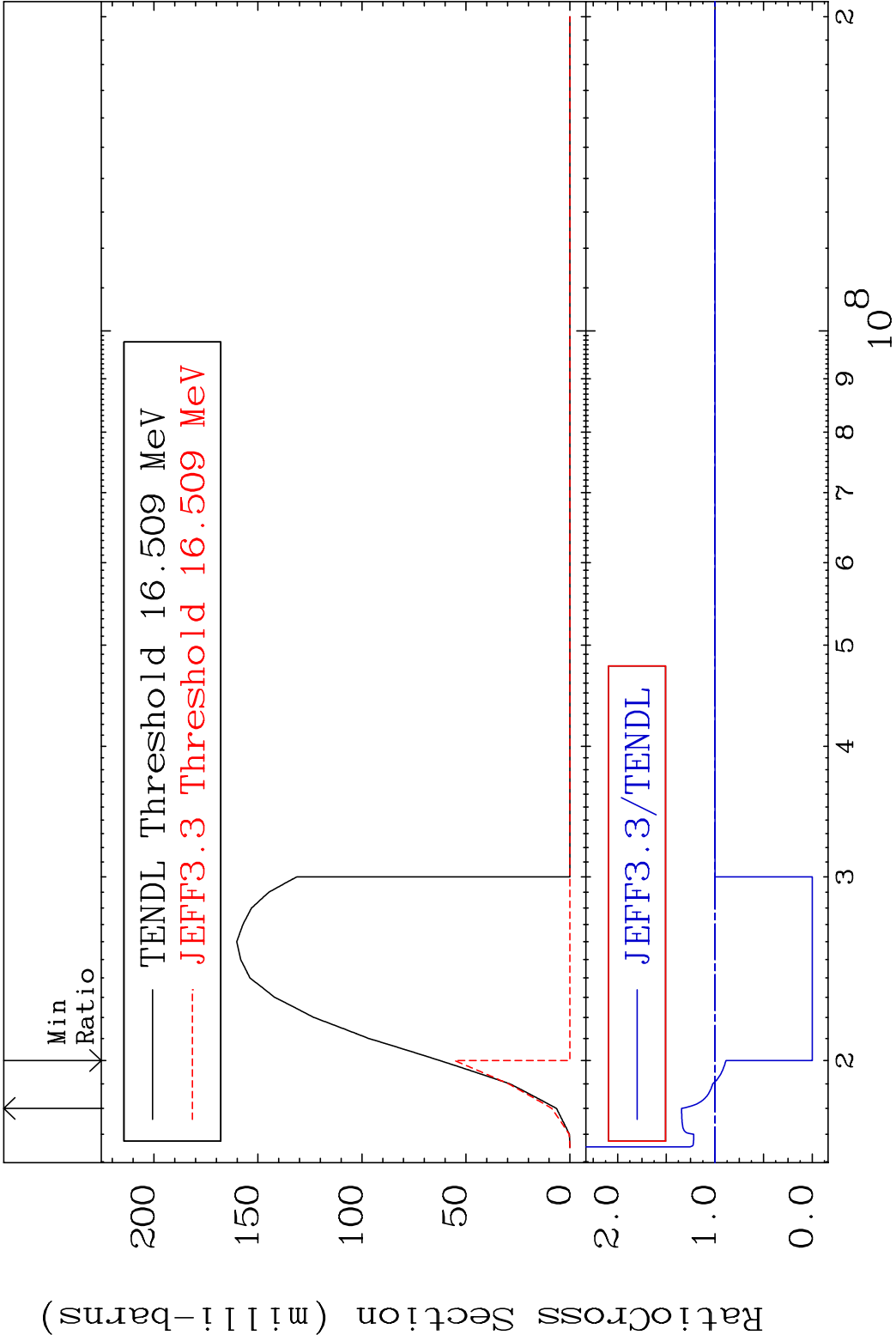


59 Incident Energy (eV) 43-Tc-99

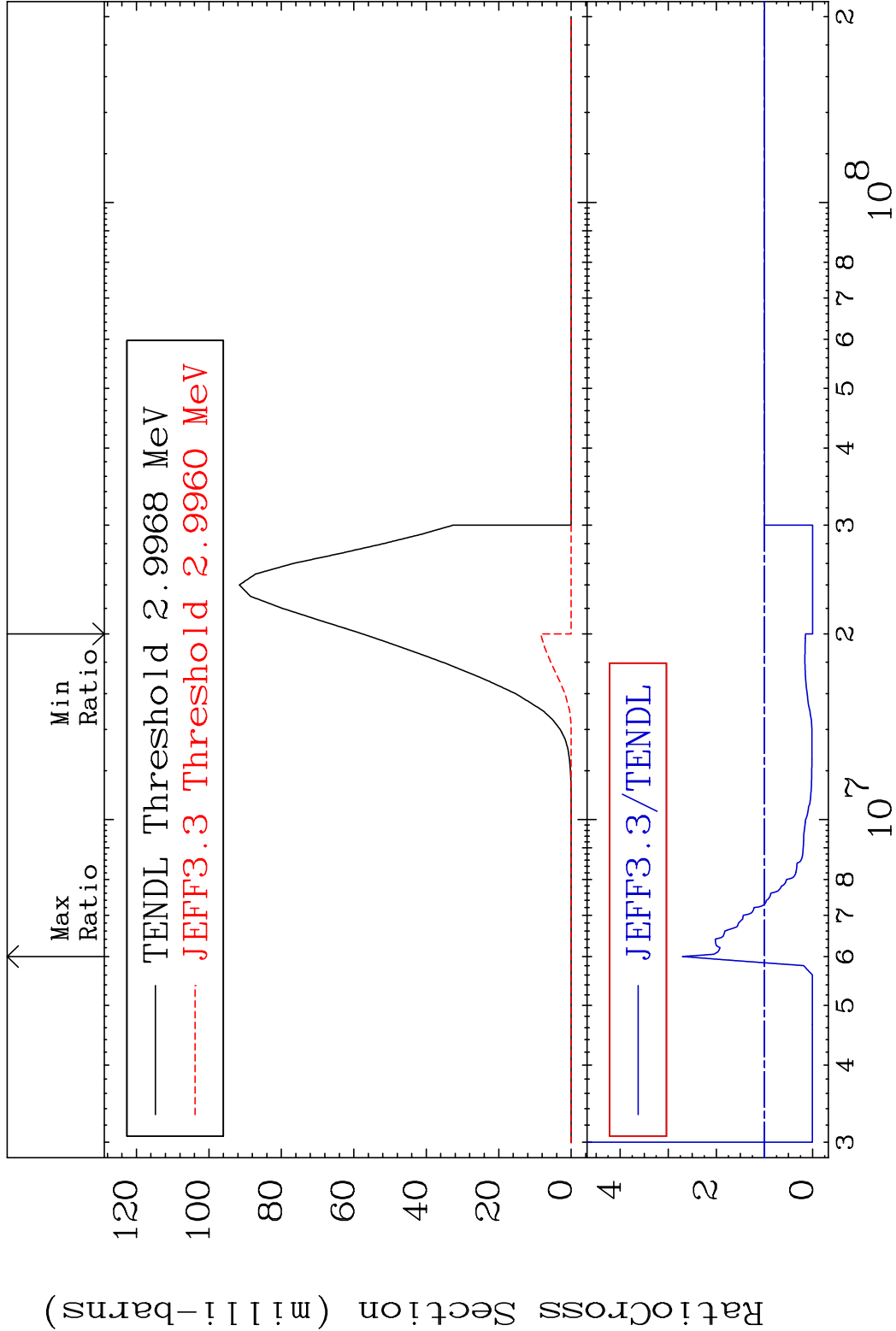


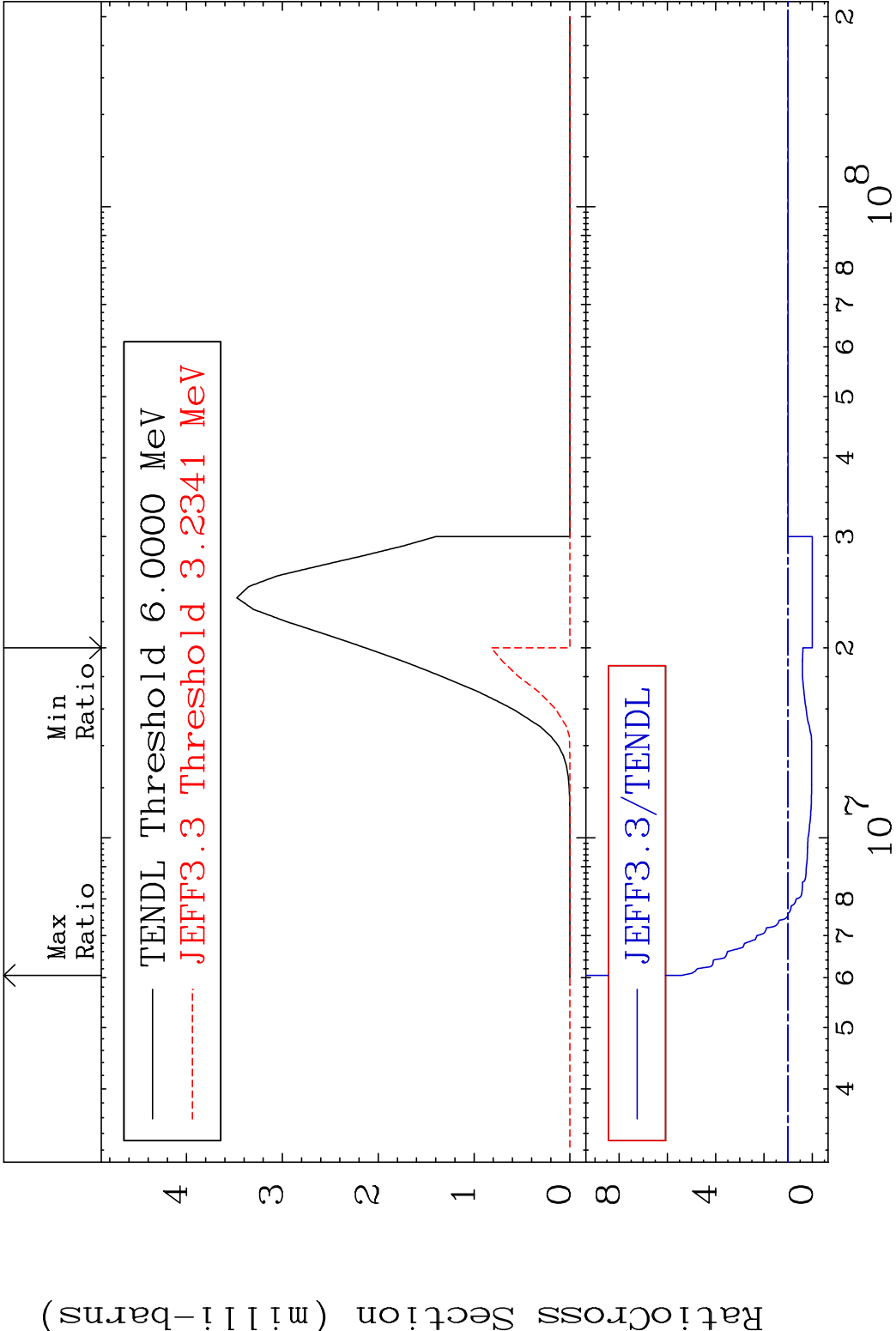


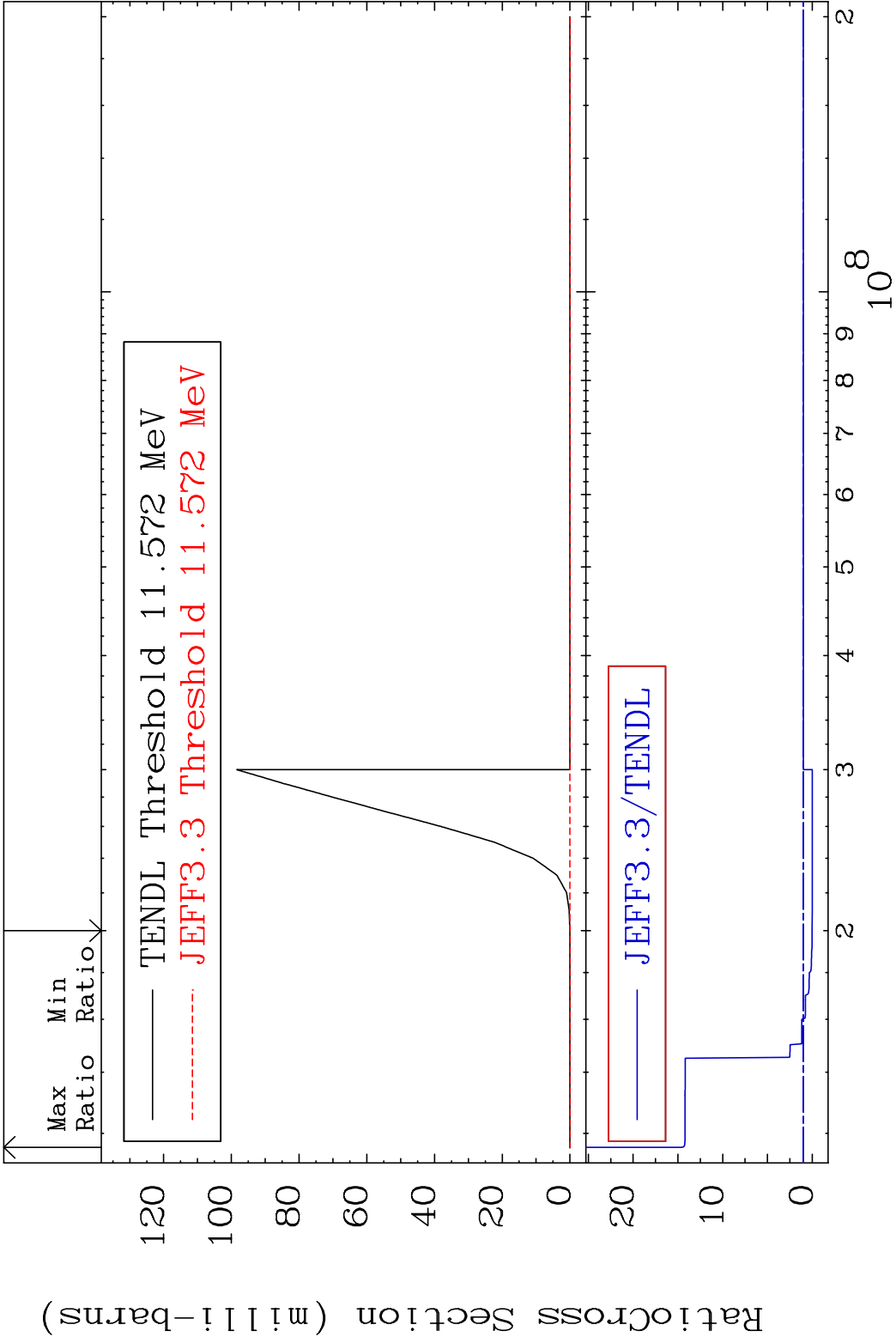


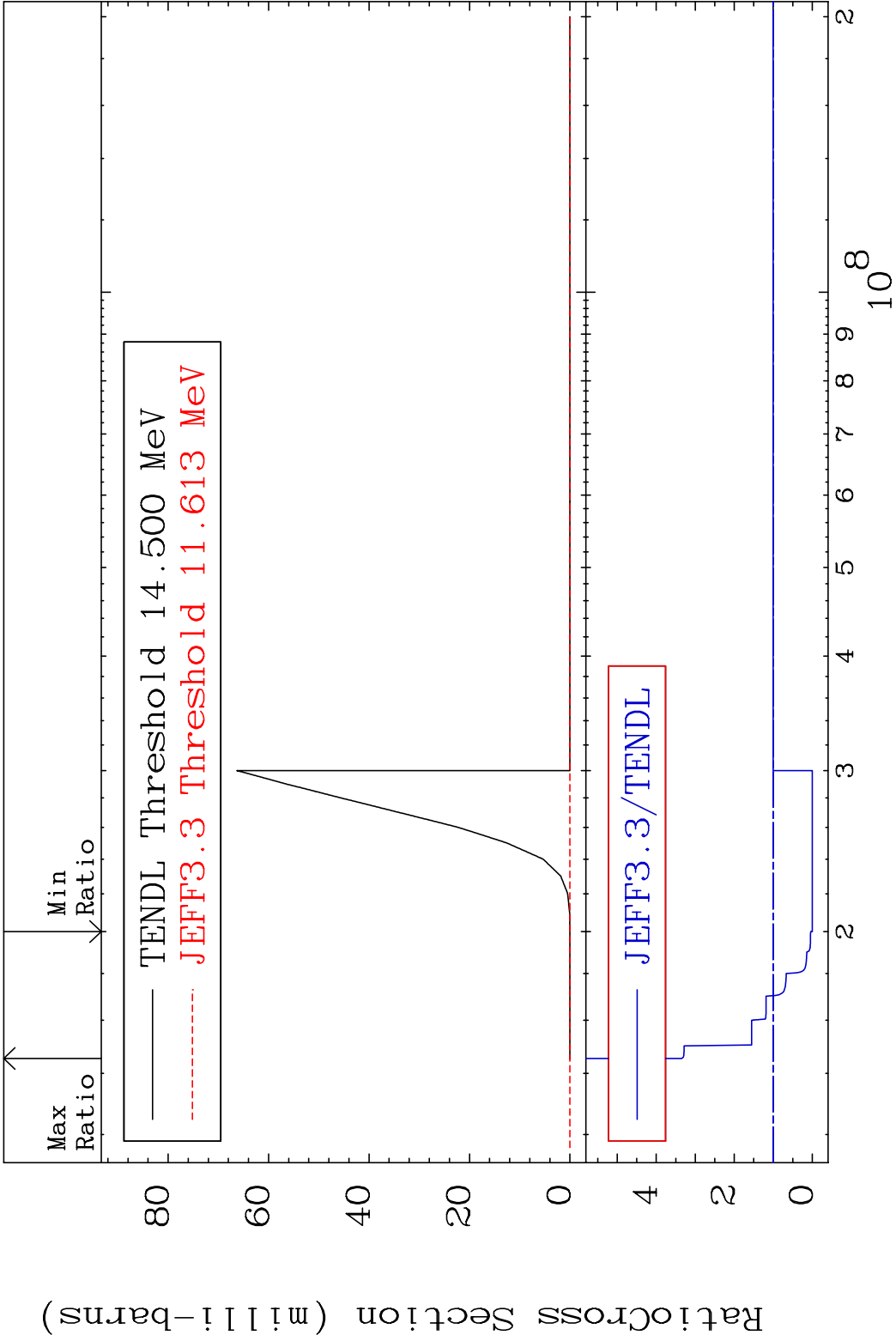


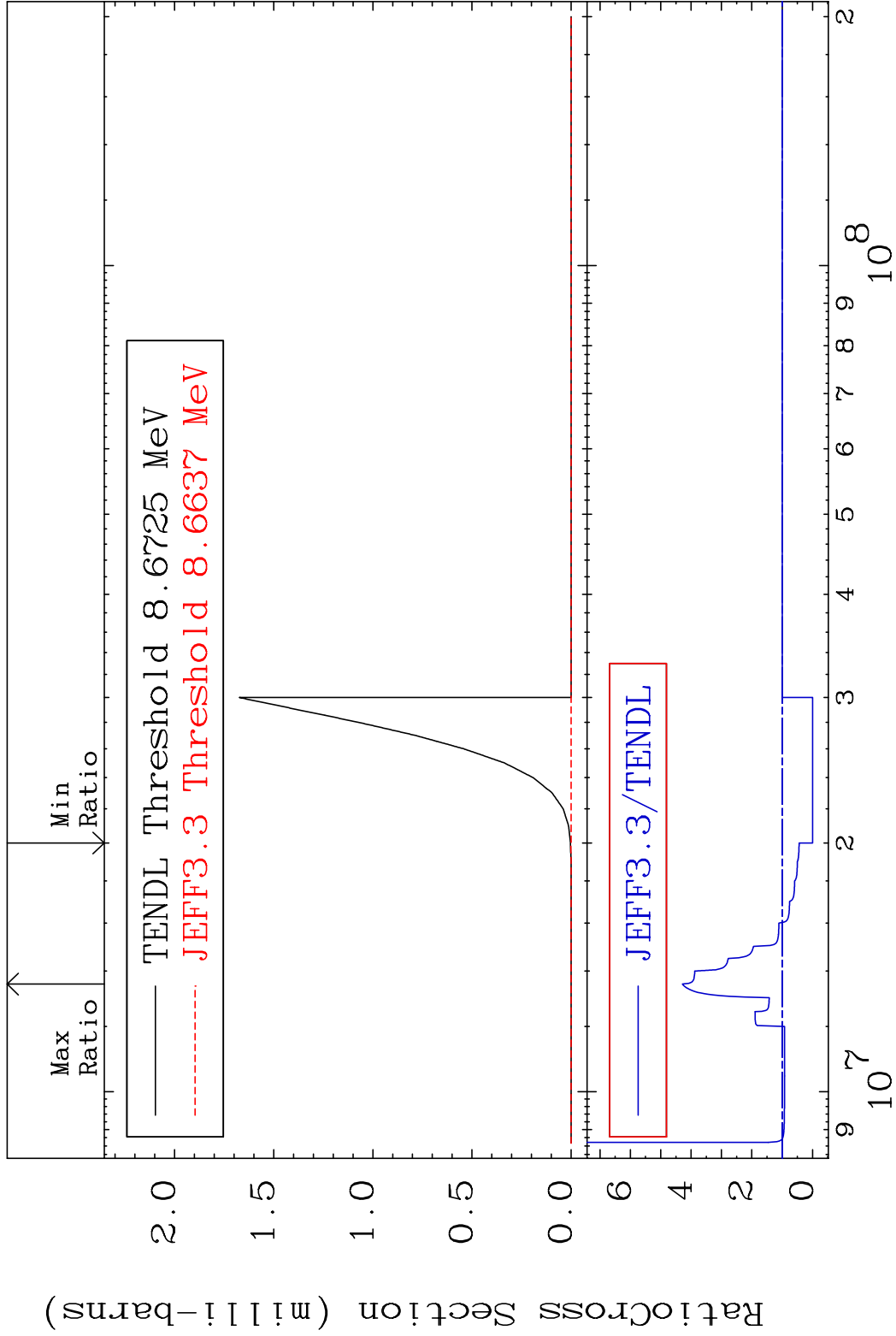
Radionuclide Production Cross Section 180.0 mb 170.7 %

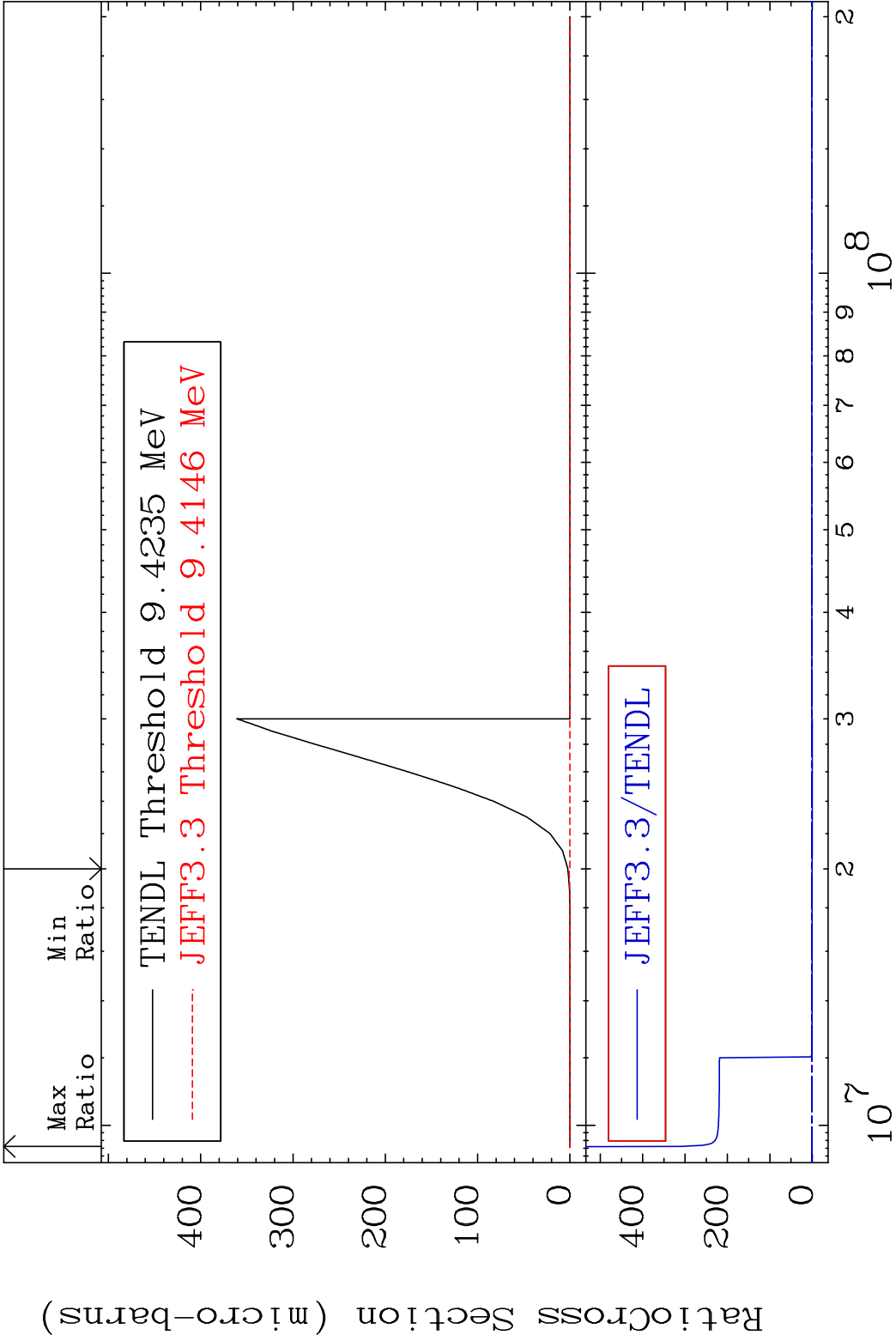












Radionuclide Production Cross Section (micro-barns)

