

Program Complot
(Version 2021-1)

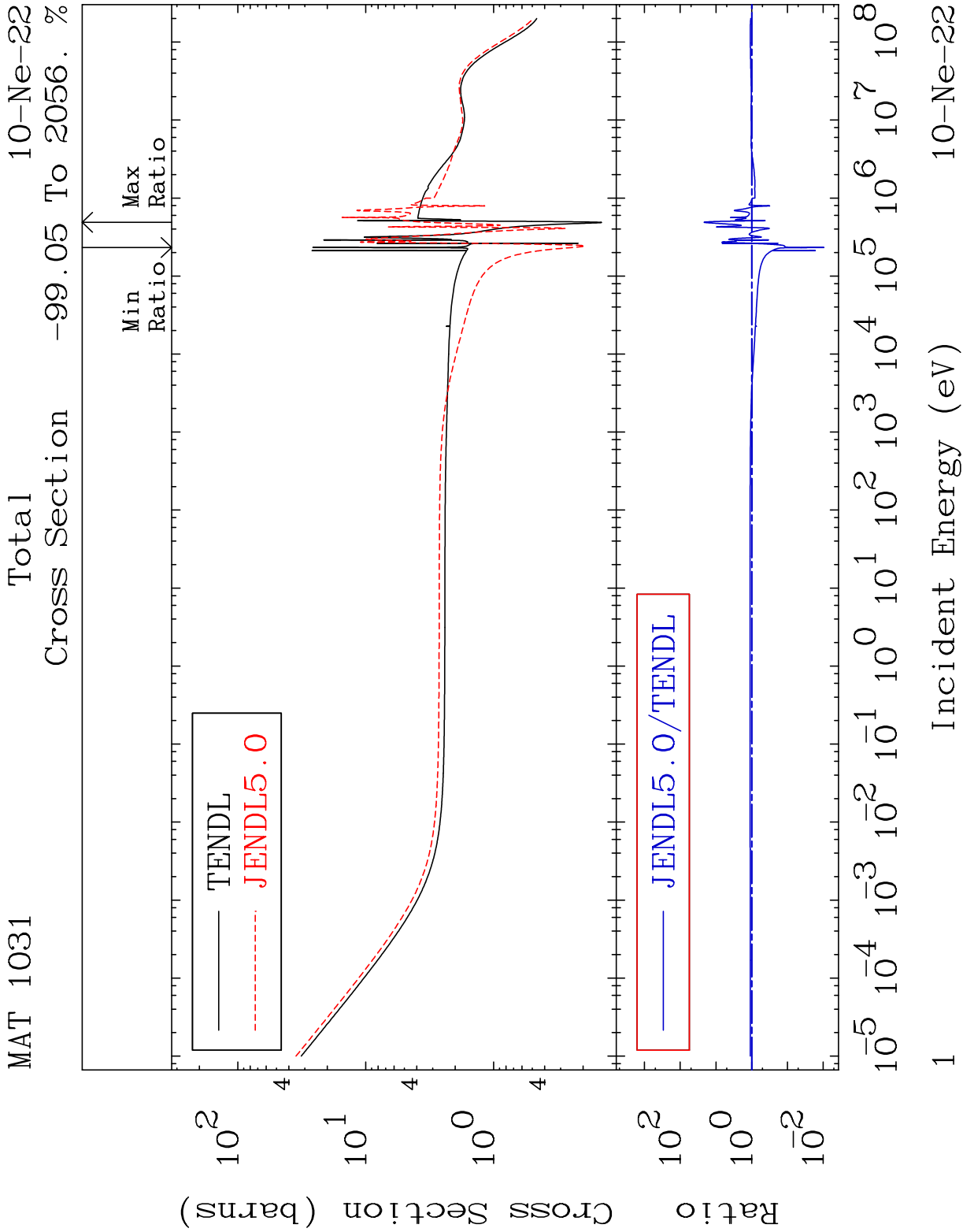
by

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



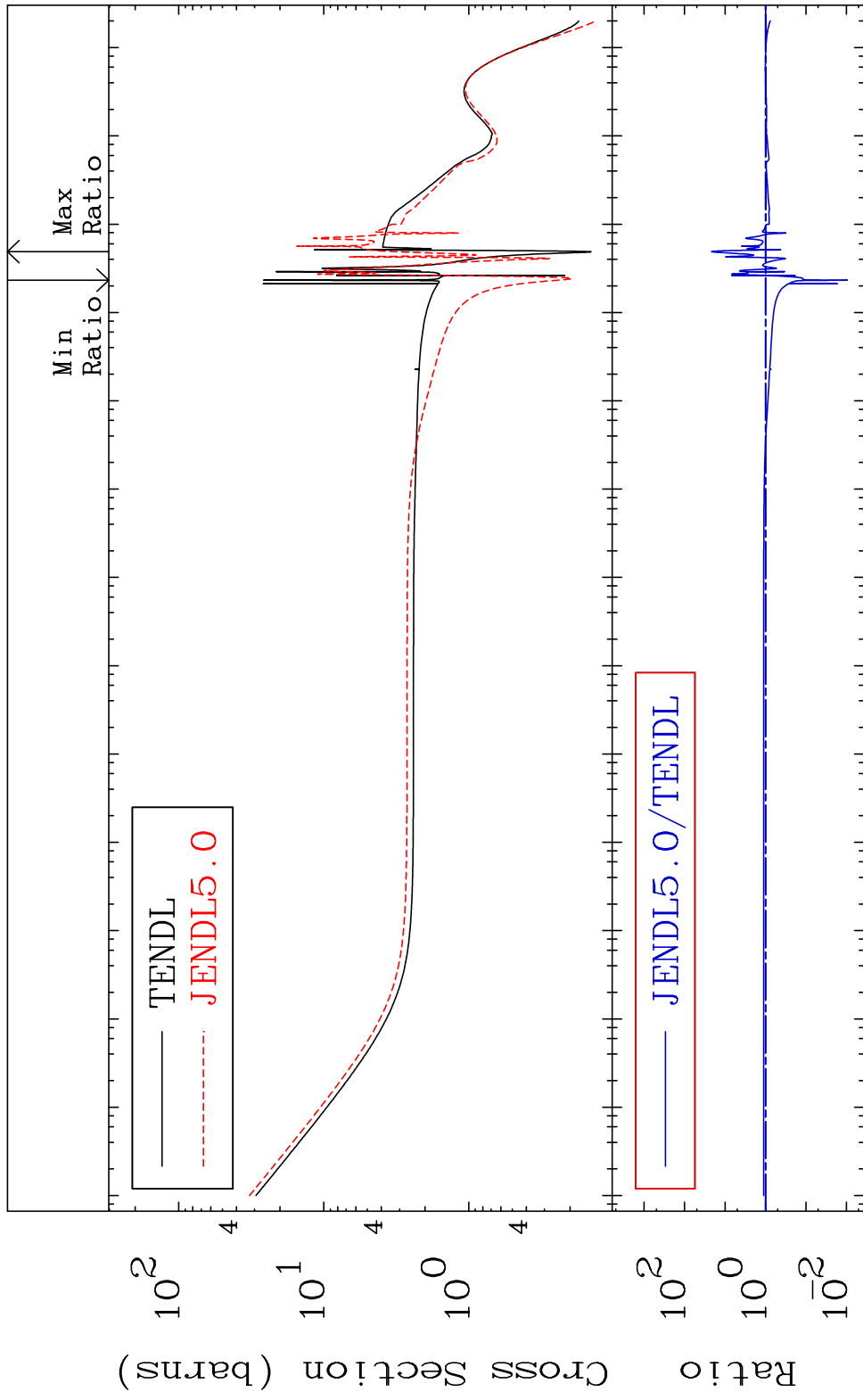
MAT 1031

Elastic

10-Ne-22

Cross Section

-99.05 To 2056. %



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

2

Incident Energy (eV)

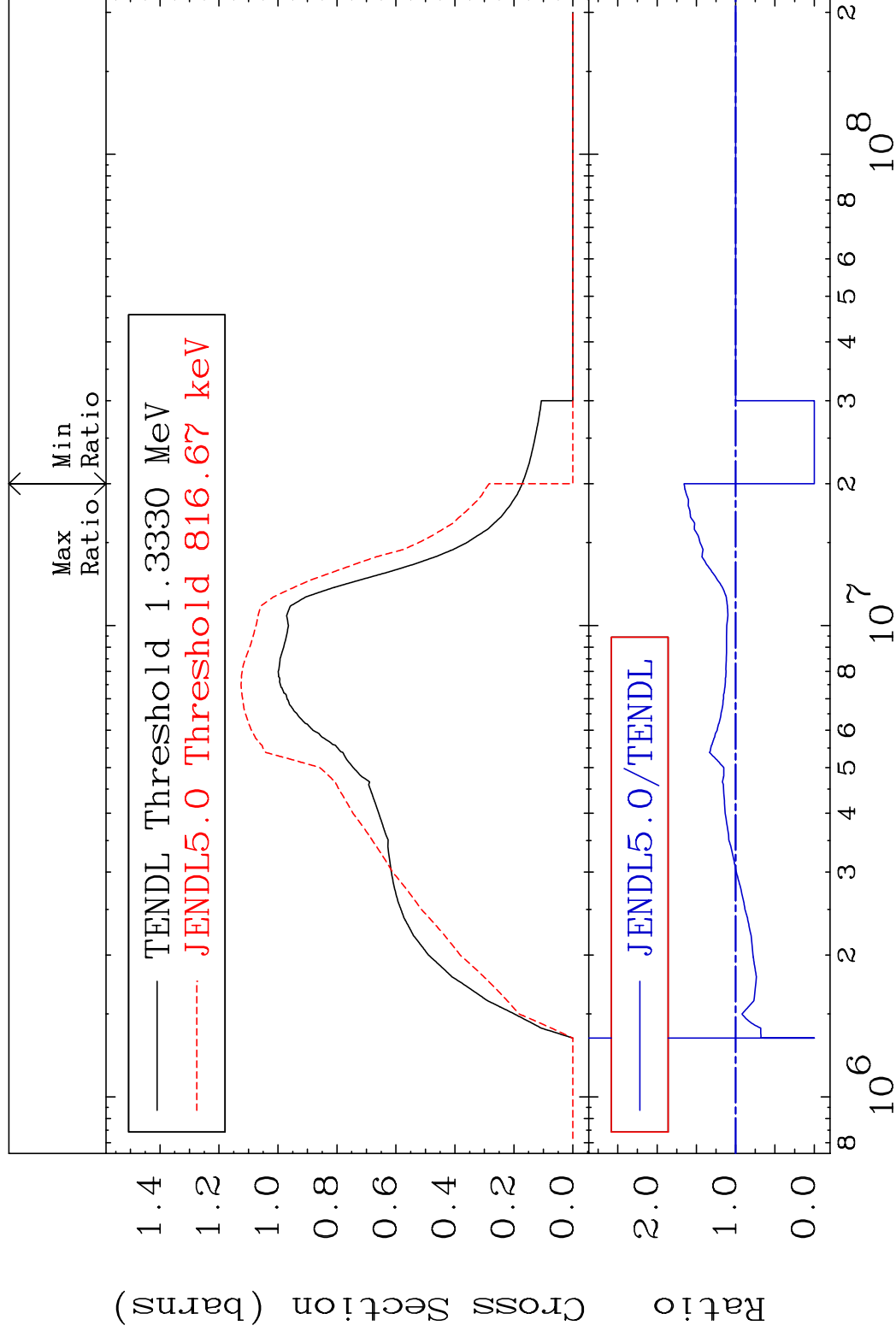
10-Ne-22

MAT 1031

Inelastic

10-Ne-22

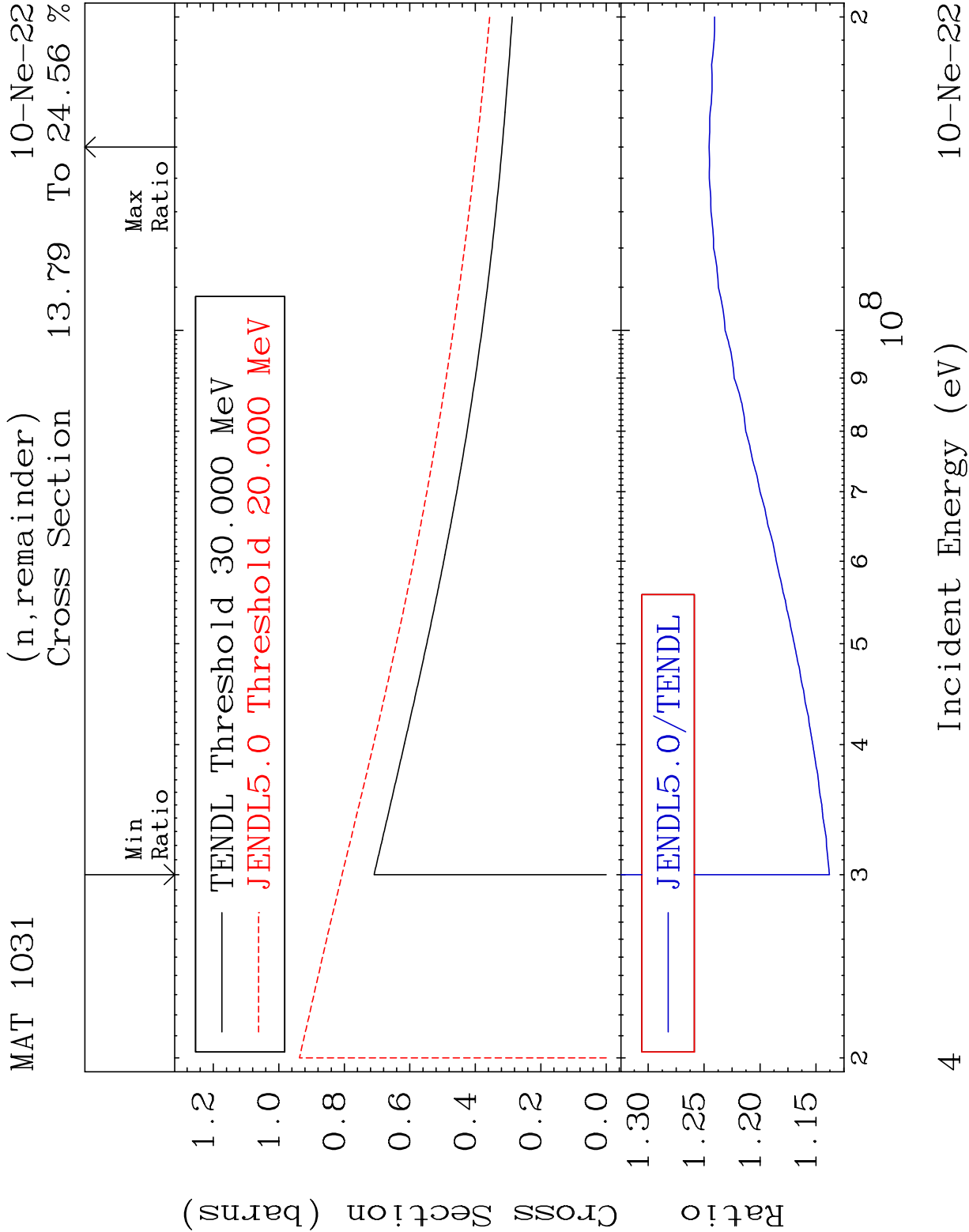
Cross Section -100.0 To 65.69 %

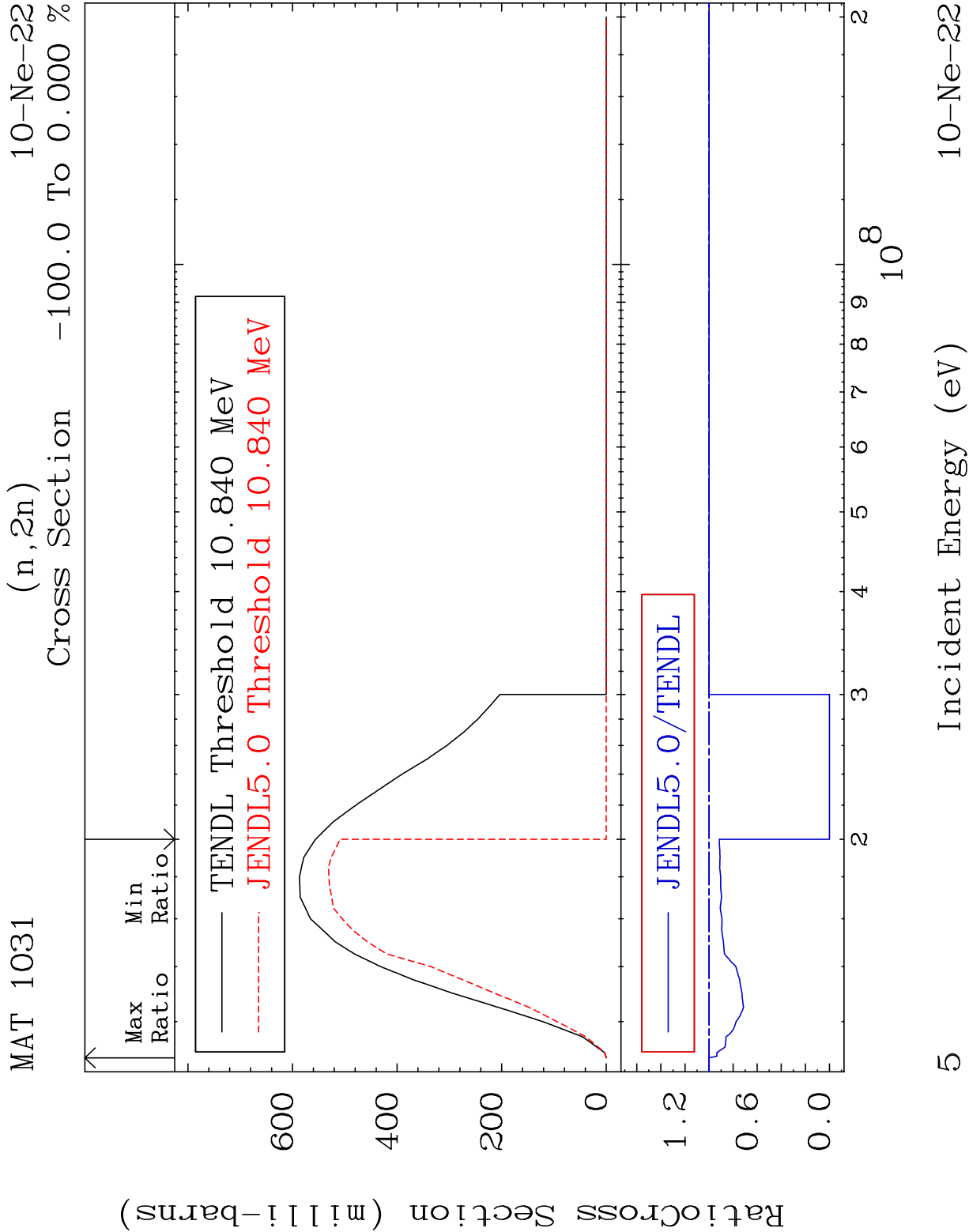


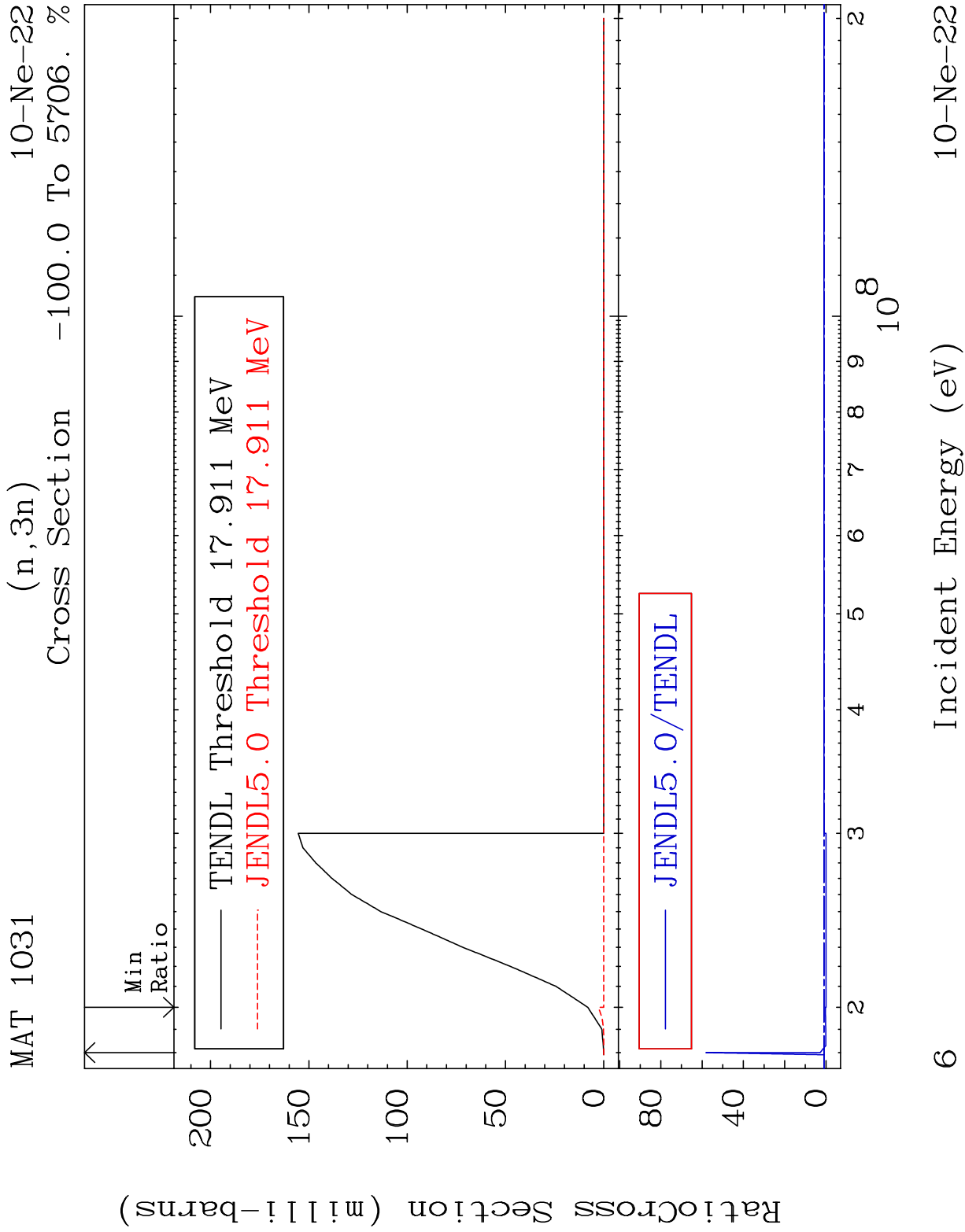
3

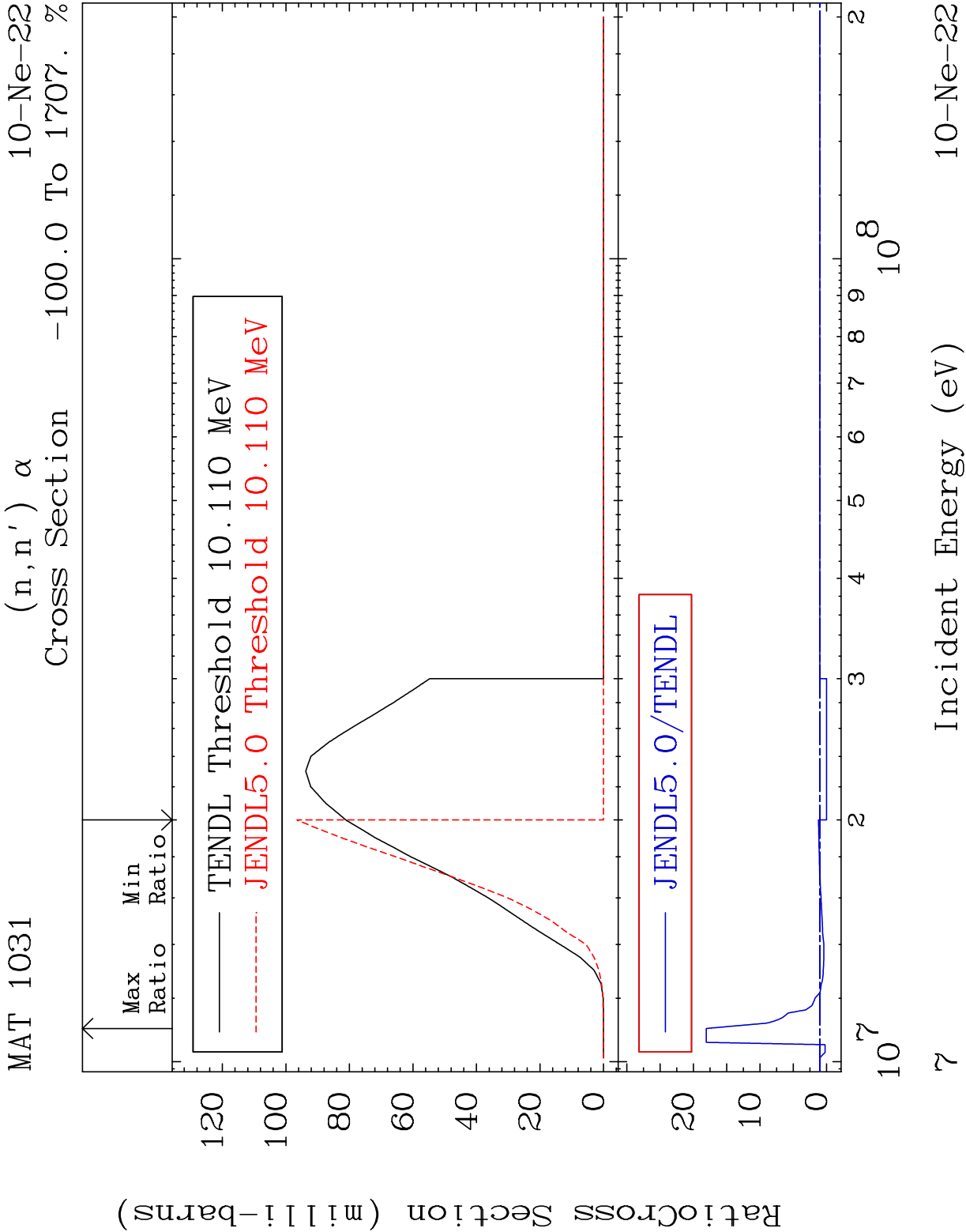
Incident Energy (eV)

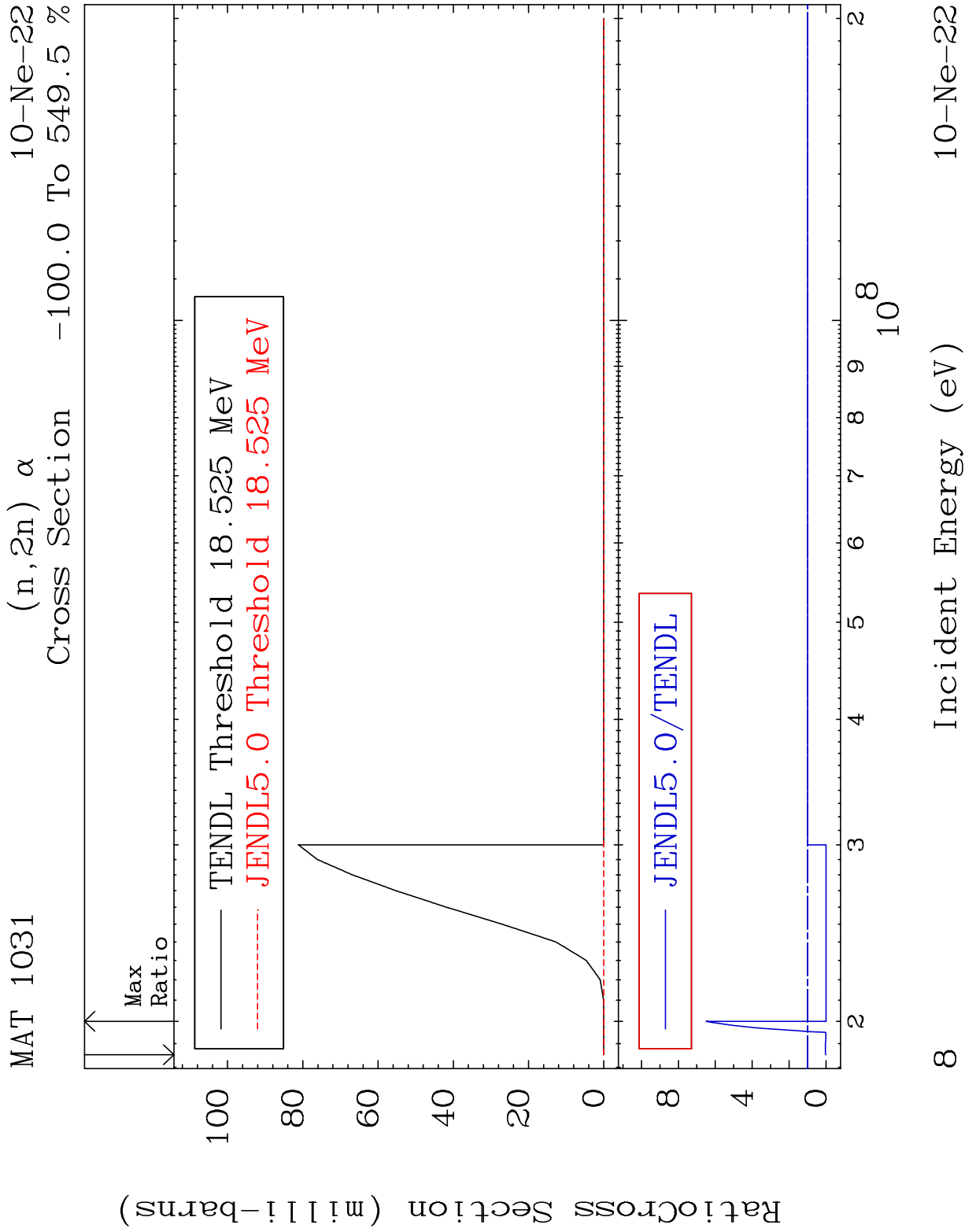
10-Ne-22

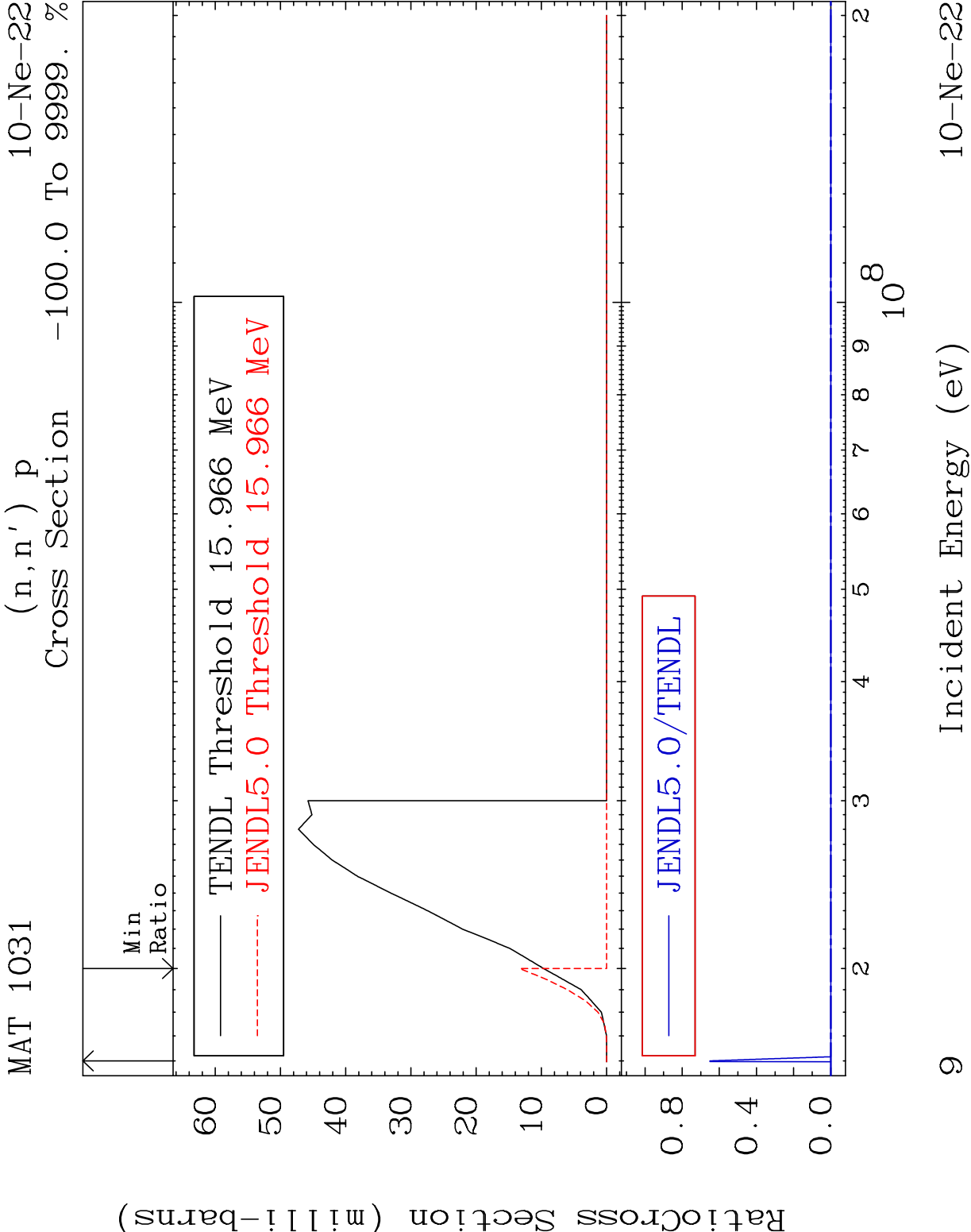


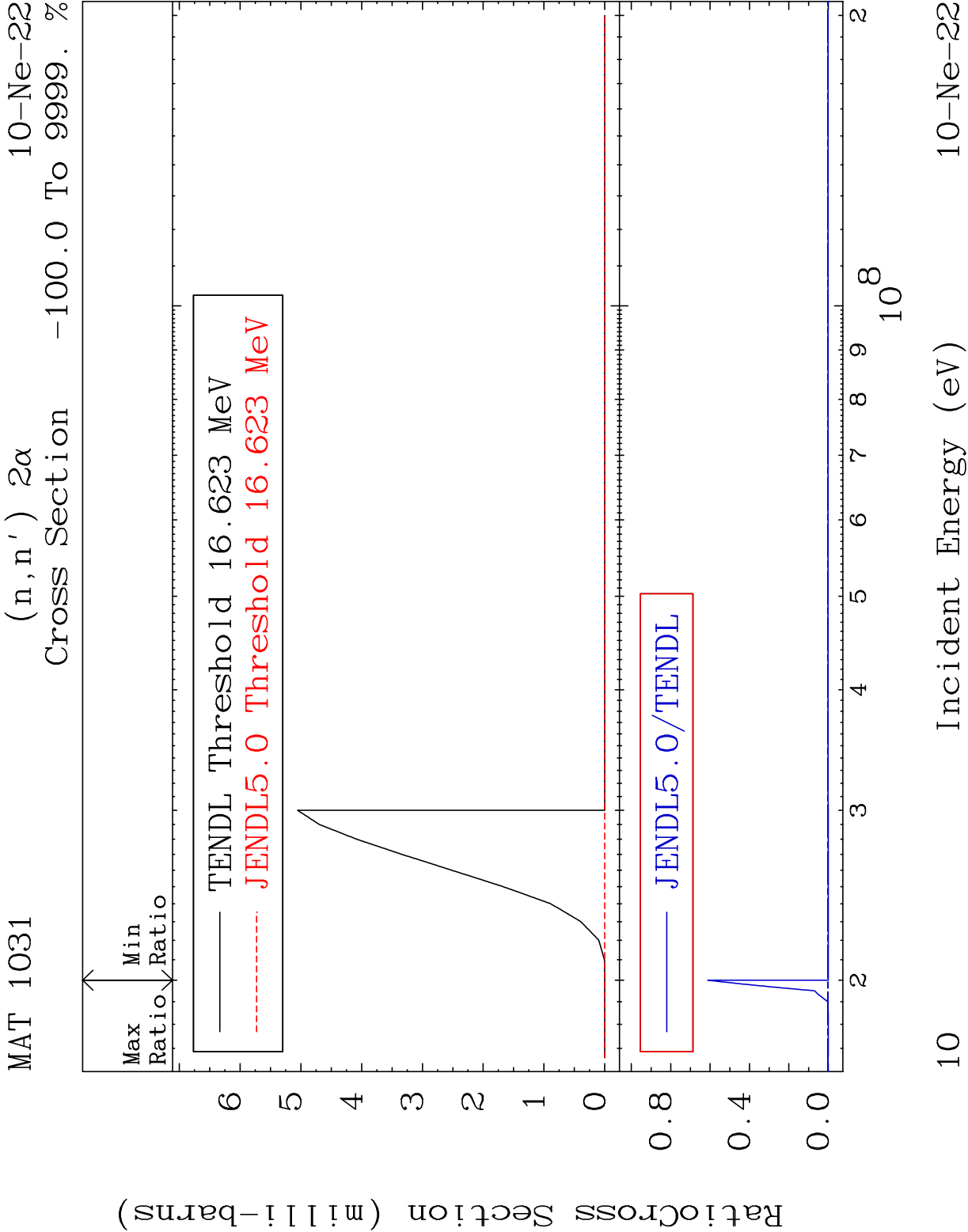


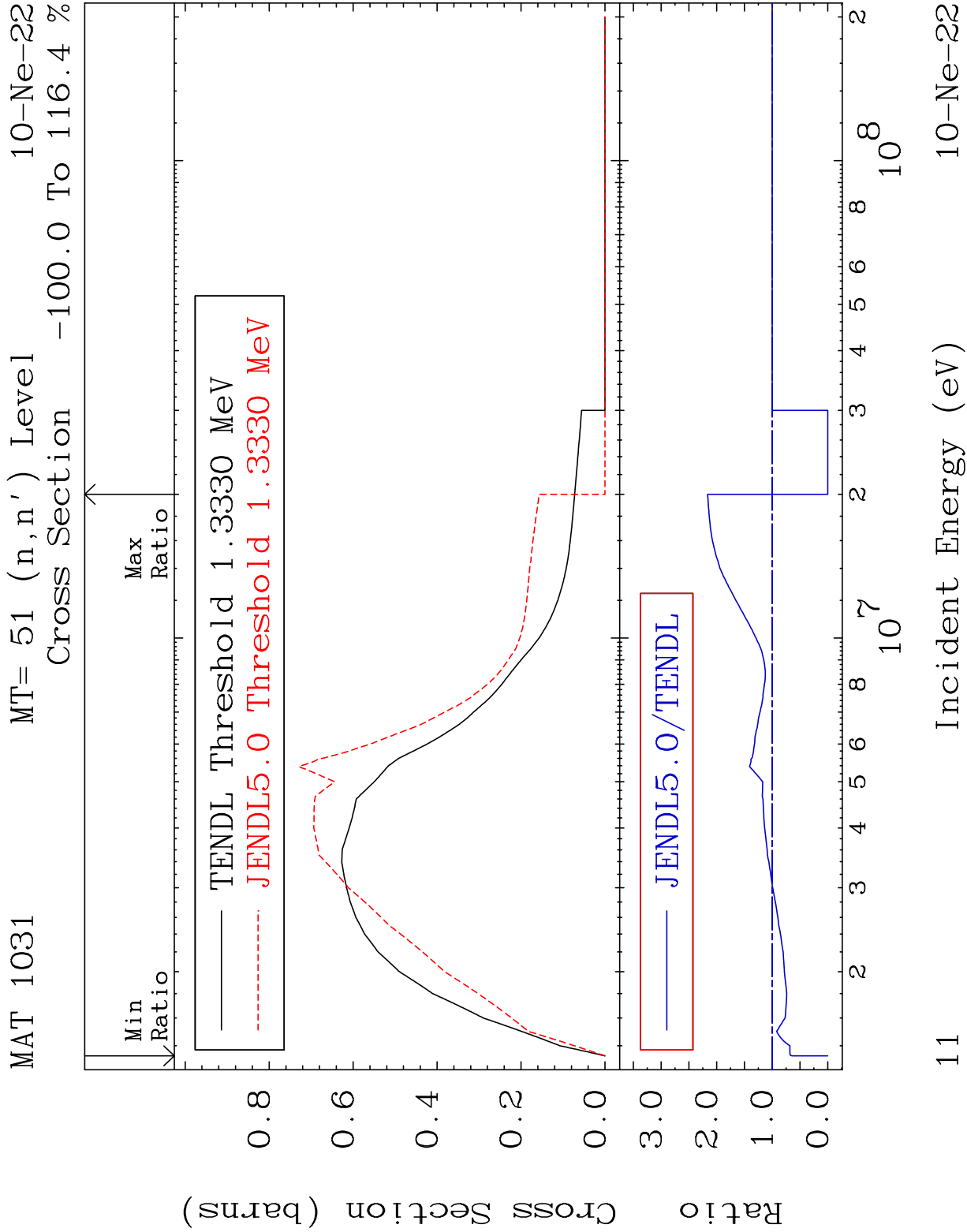


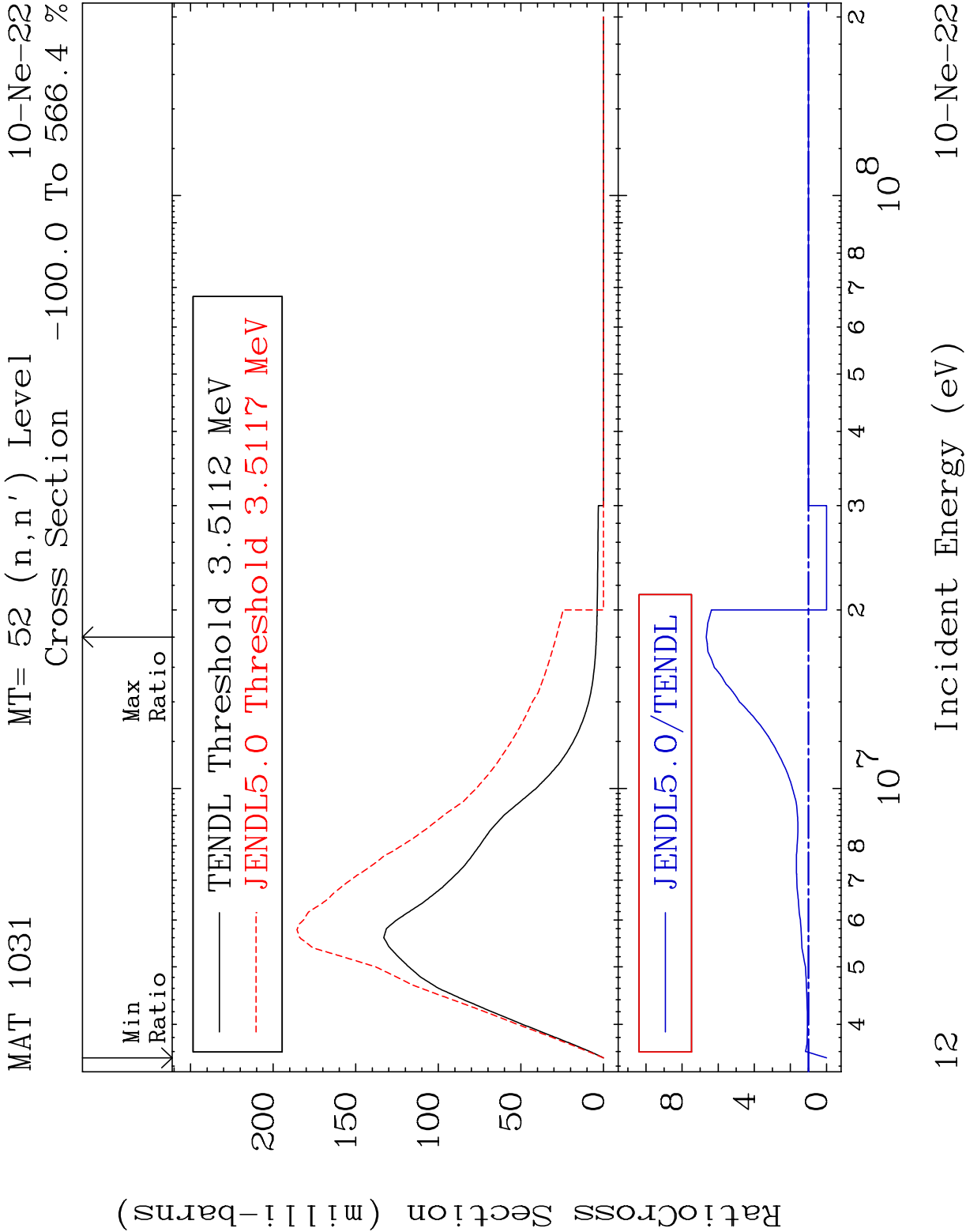


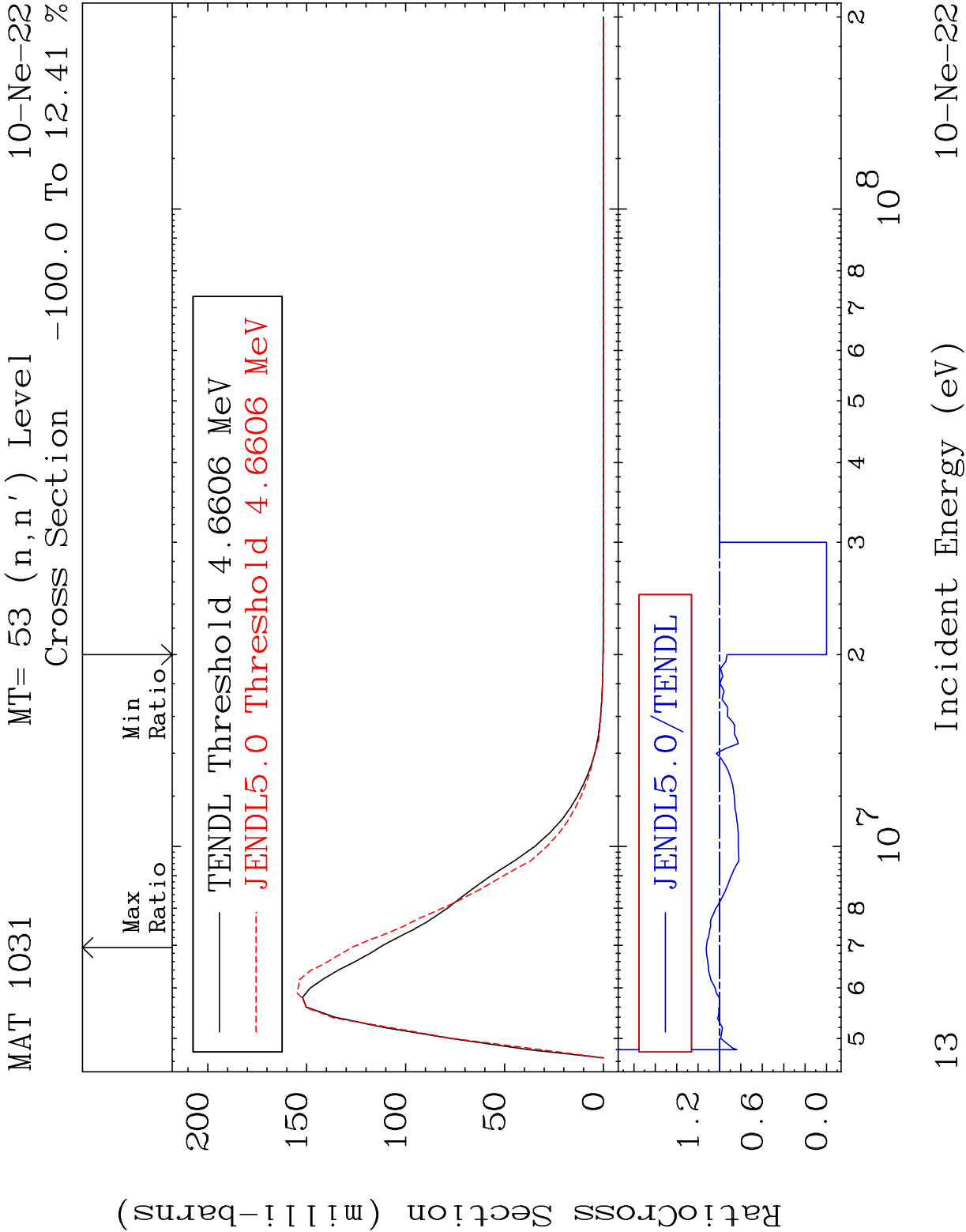


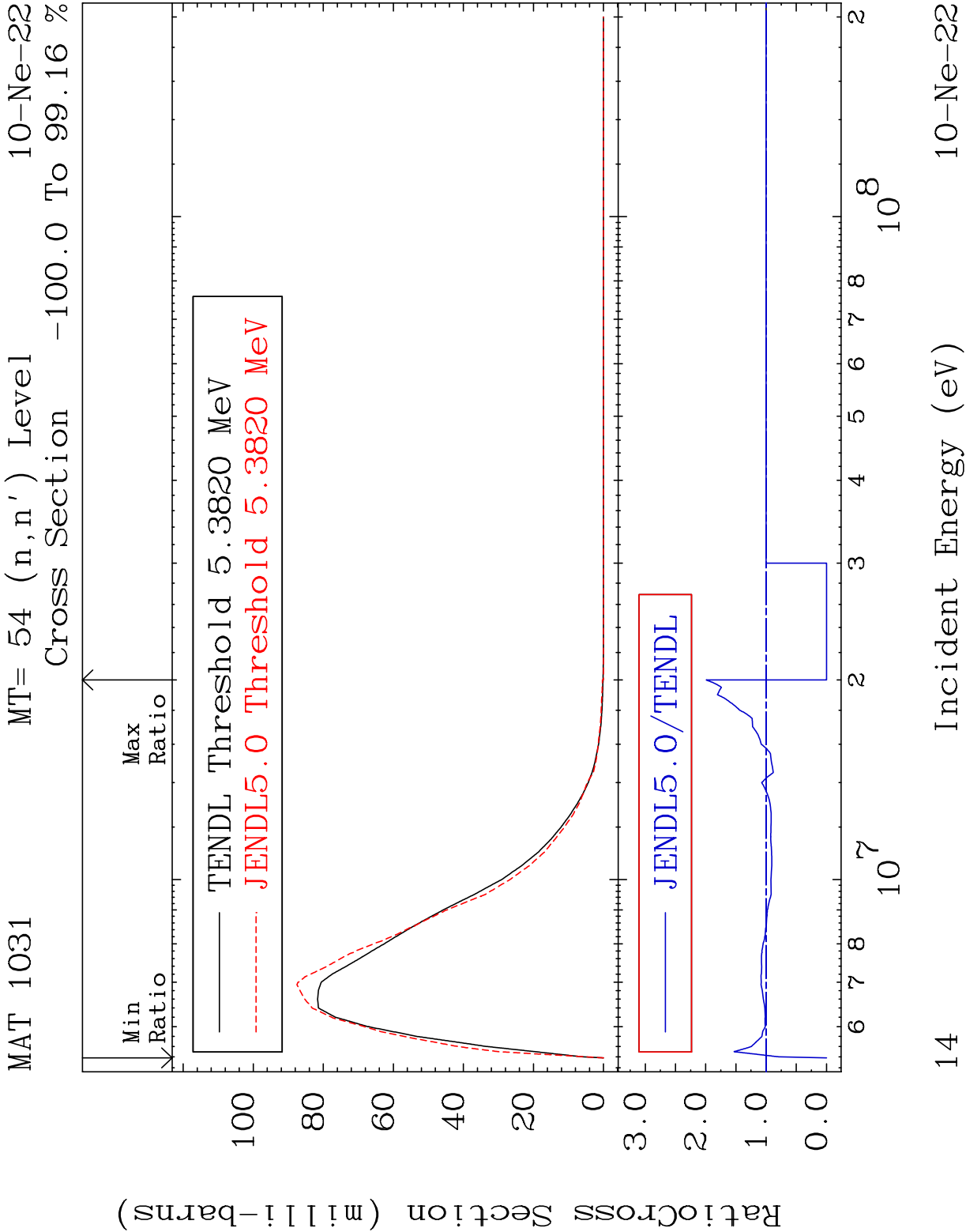




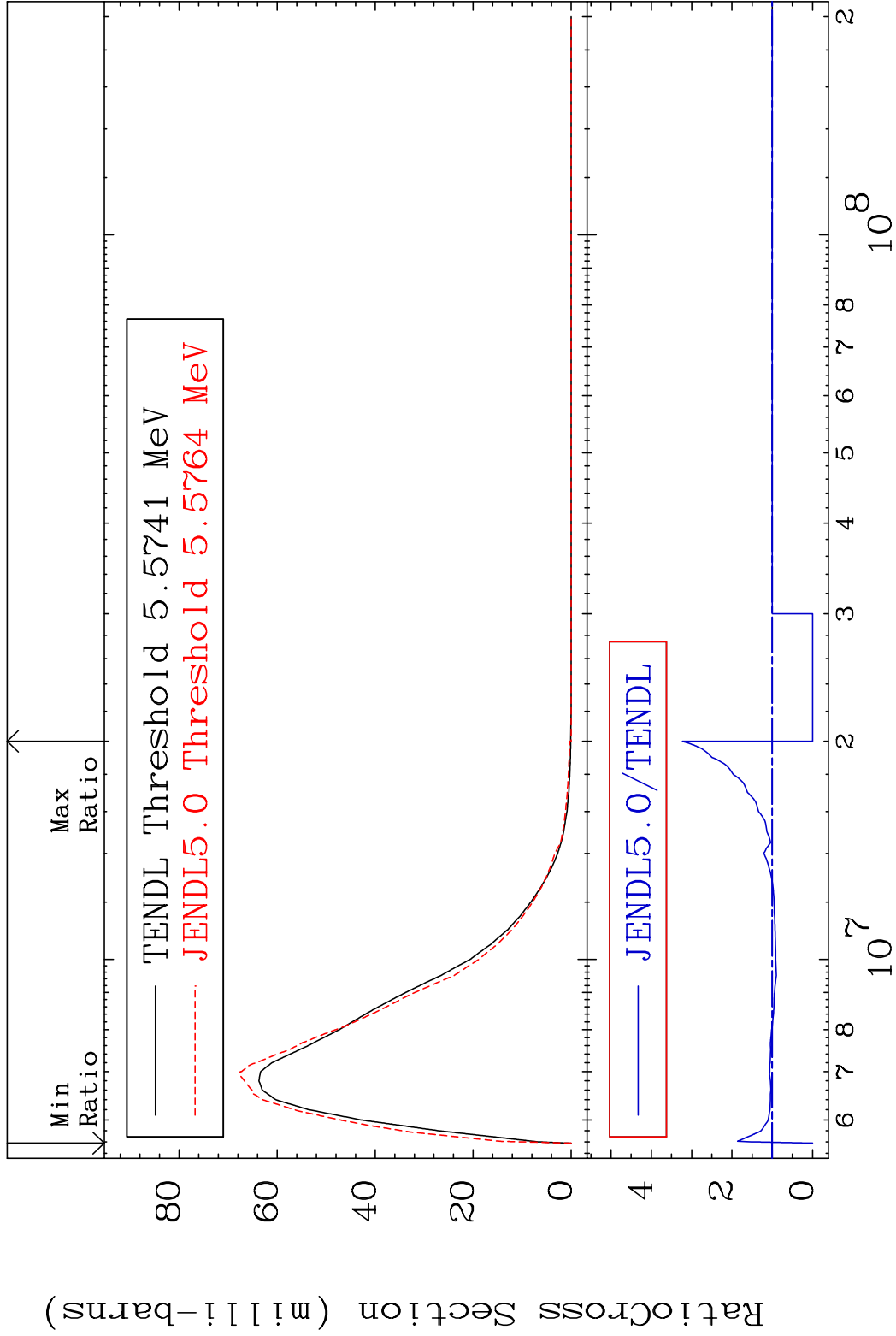


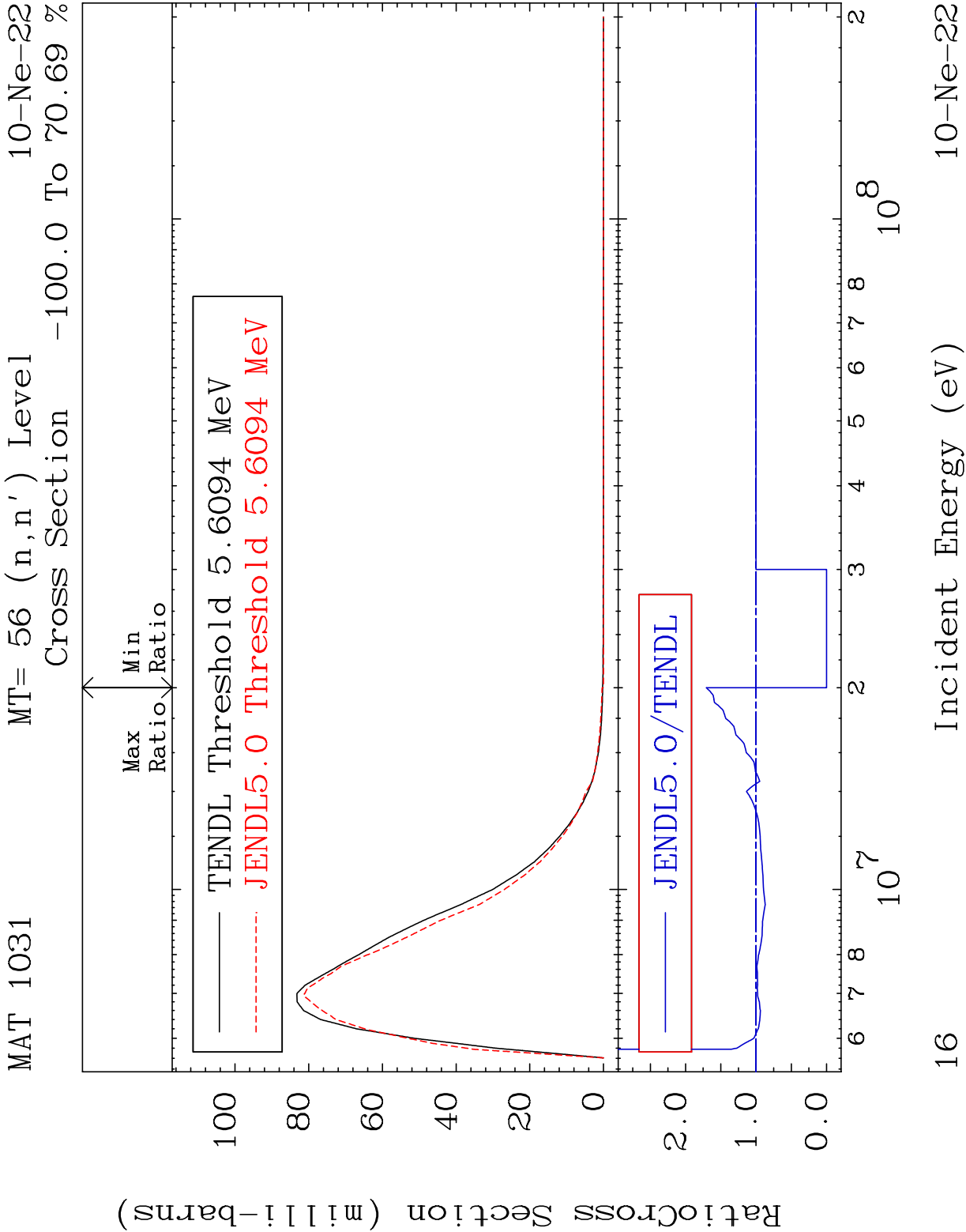


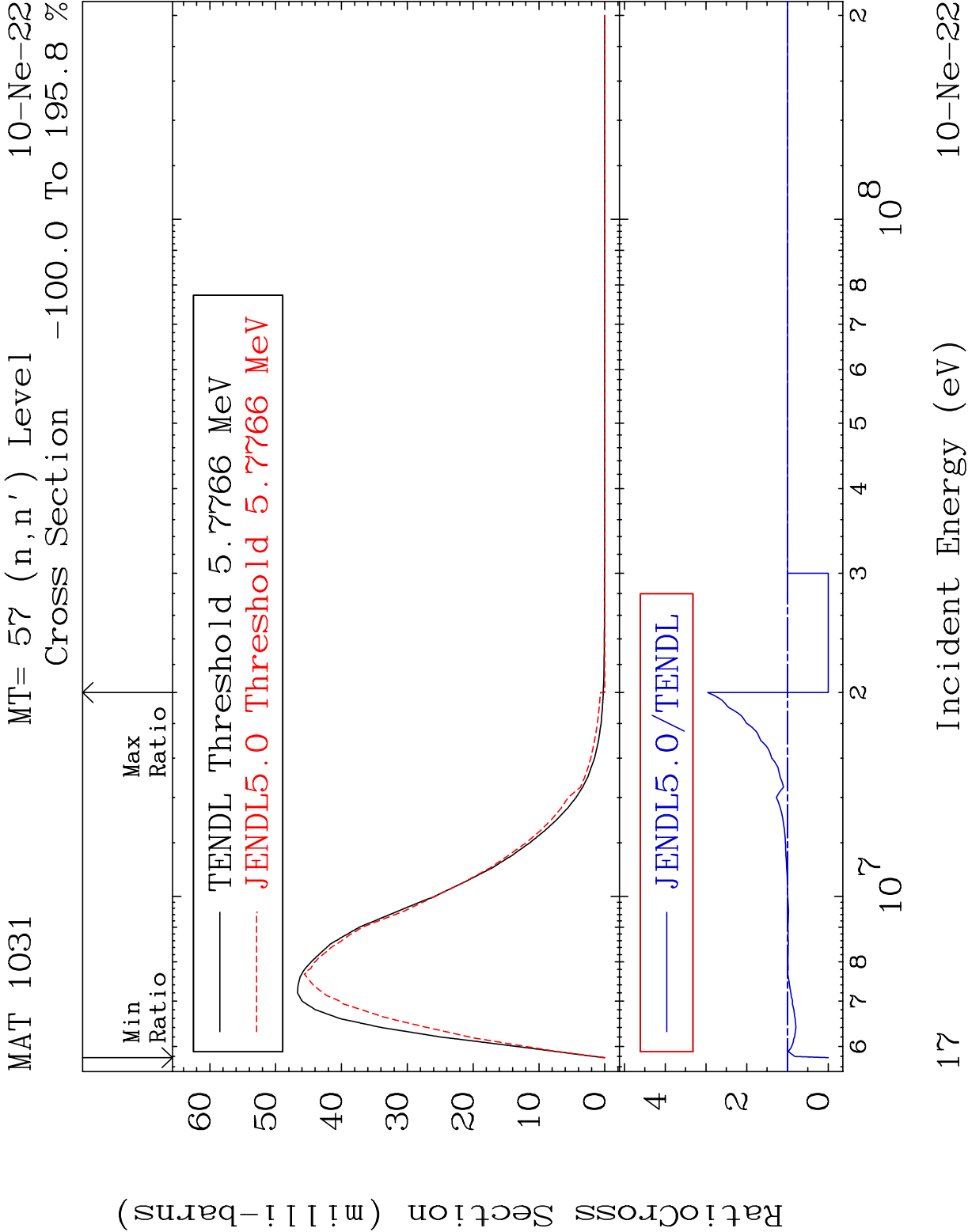




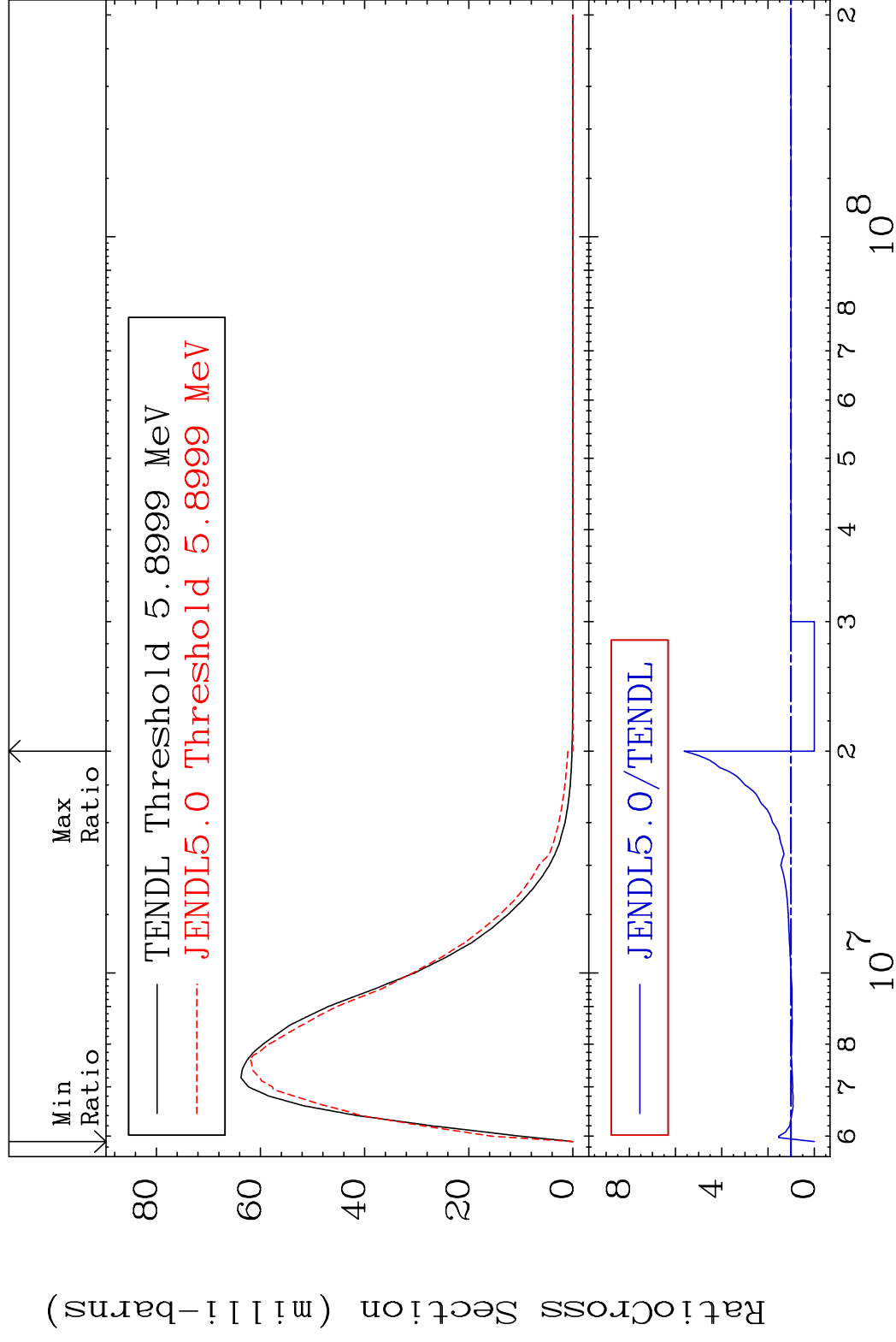
MAT 1031 MT= 55 (n,n') Level 10-Ne-22
Cross Section -100.0 To 223.0 %







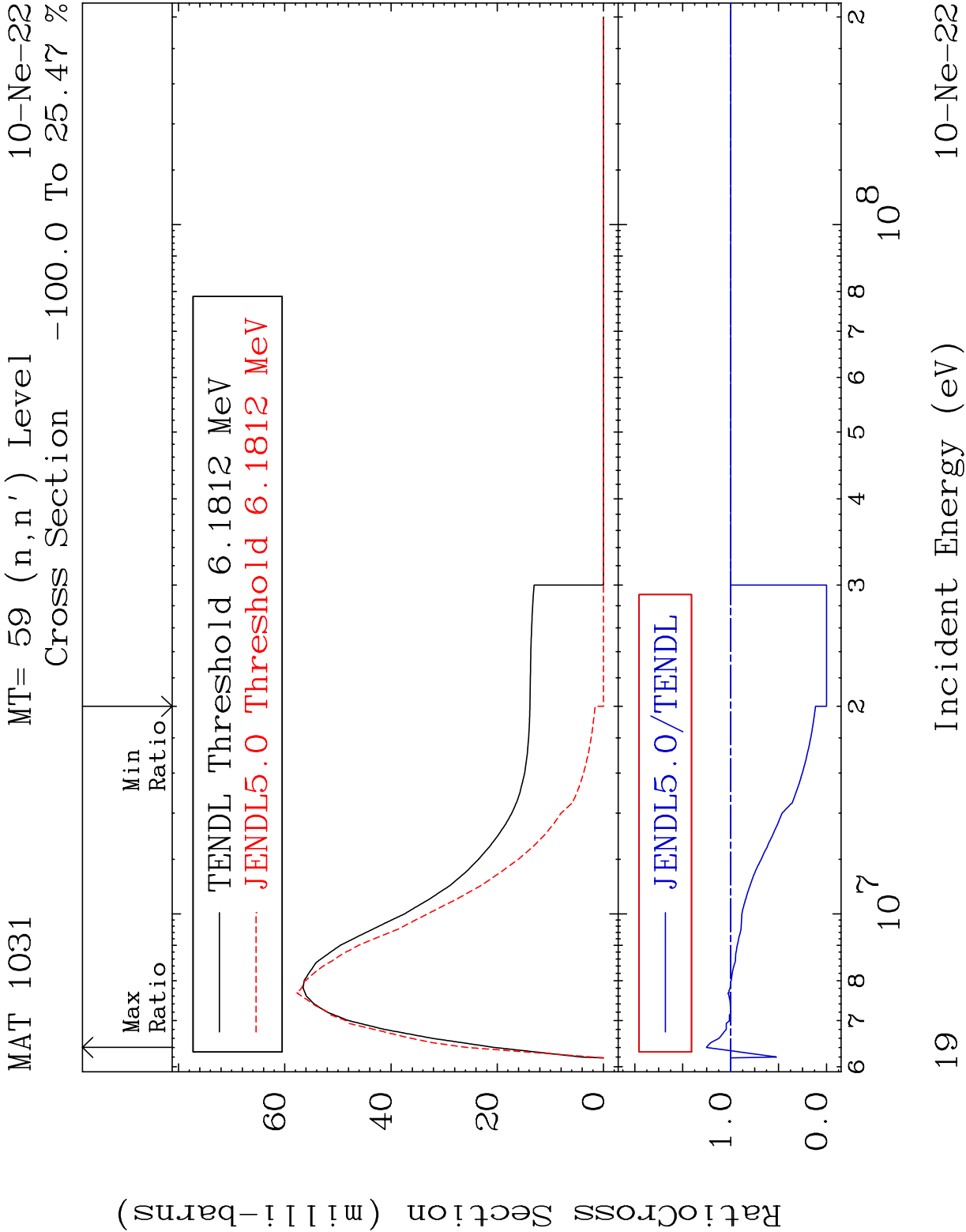
MAT 1031	MT= 58 (n, n') Level	10-Ne-22
	Cross Section	-100.0 To 463.1 %



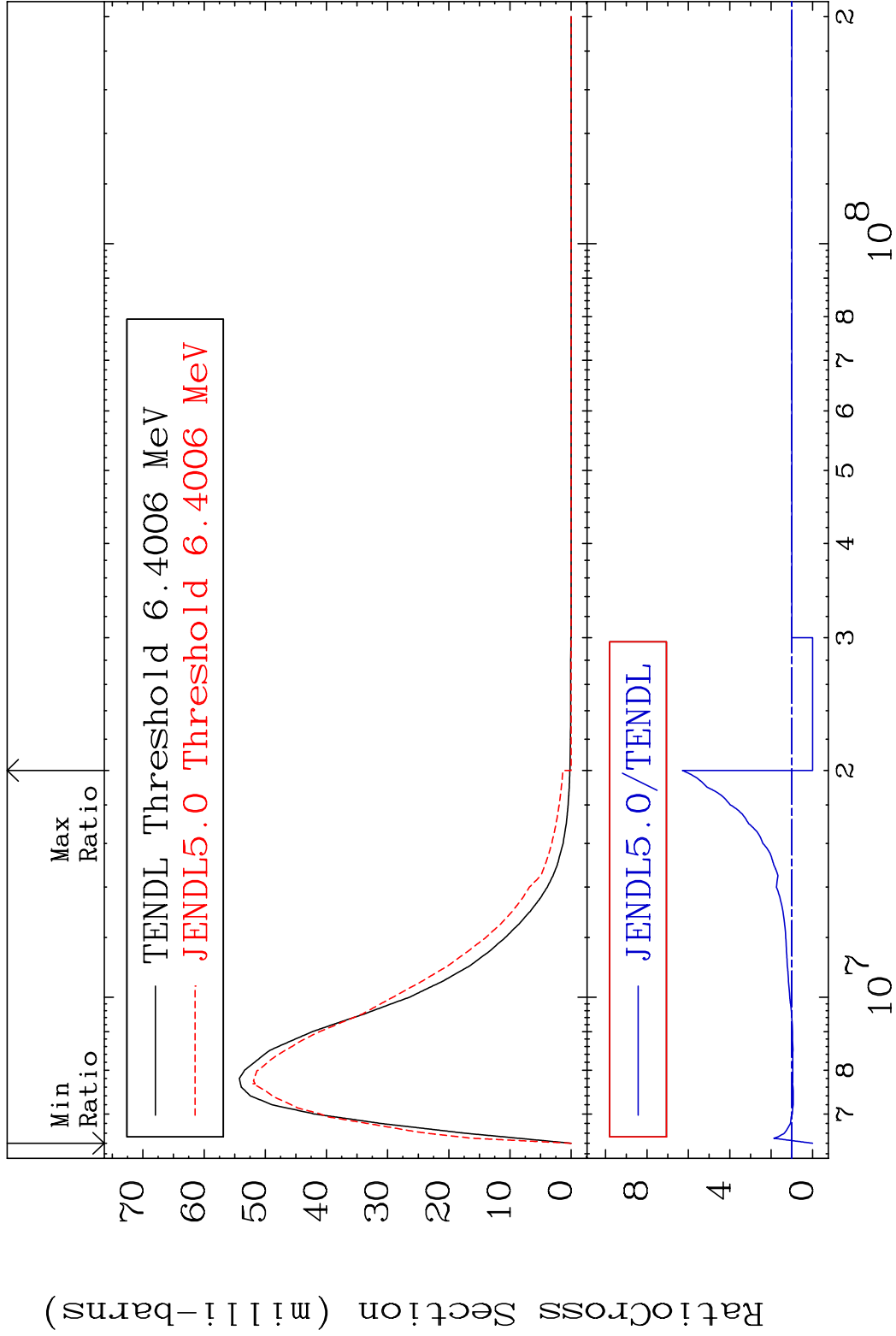
18

Incident Energy (eV)

10-Ne-22

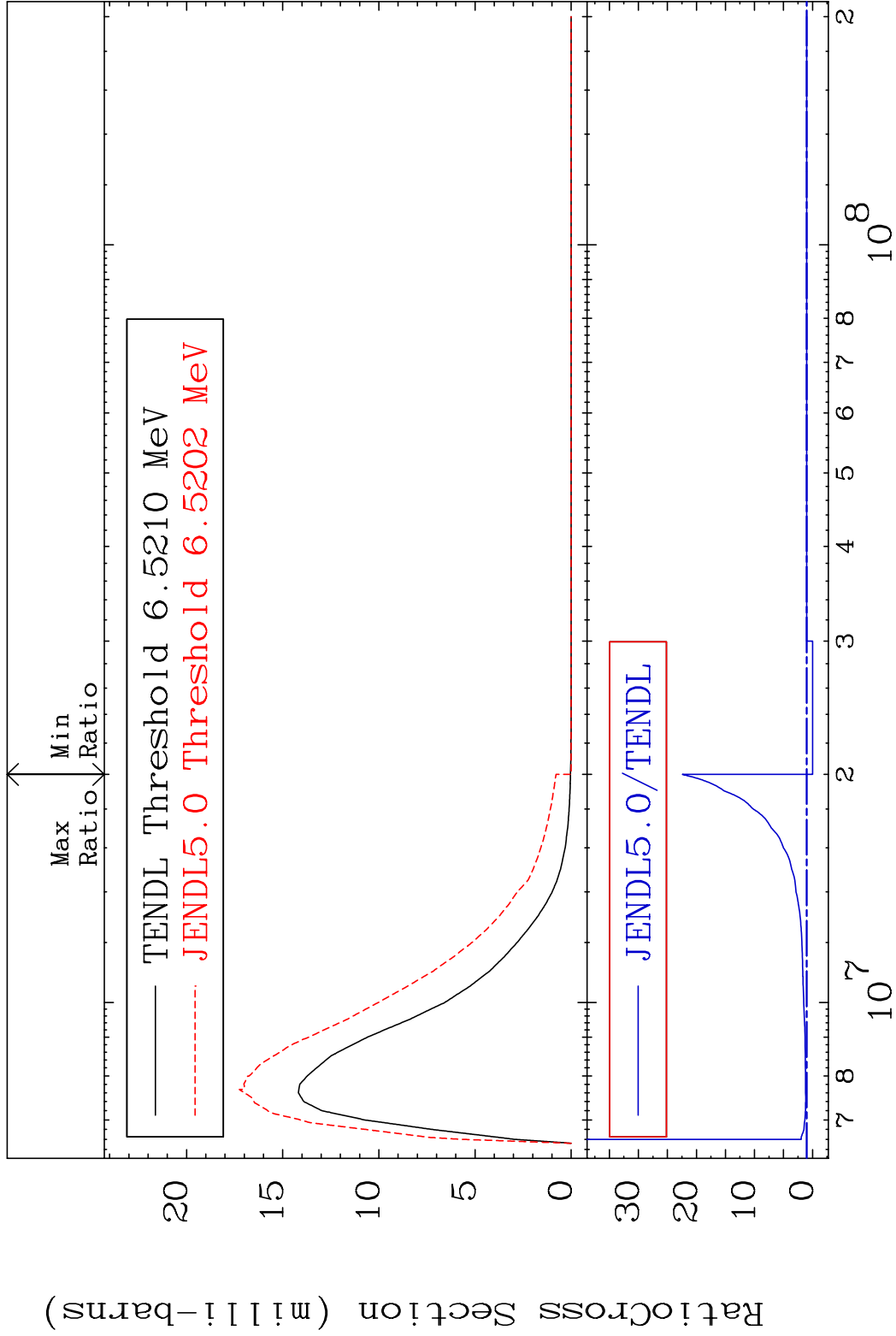


MAT 1031 MT= 60 (n,n') Level 10-Ne-22
Cross Section -100.0 To 529.1 %



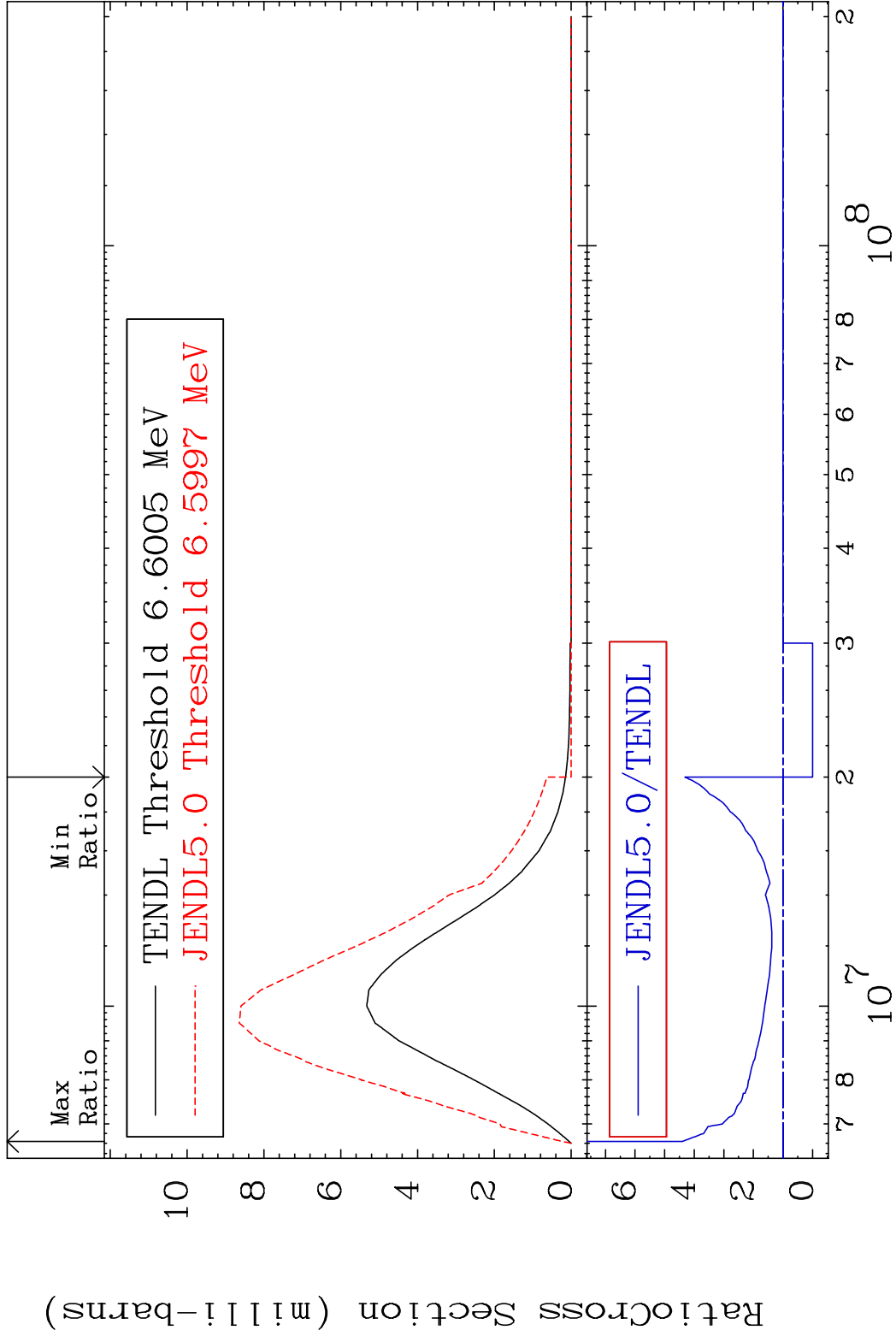
20 Incident Energy (eV) 10-Ne-22

MAT 1031 MT= 61 (n,n') Level 10-Ne-22
Cross Section -100.0 To 2142. %



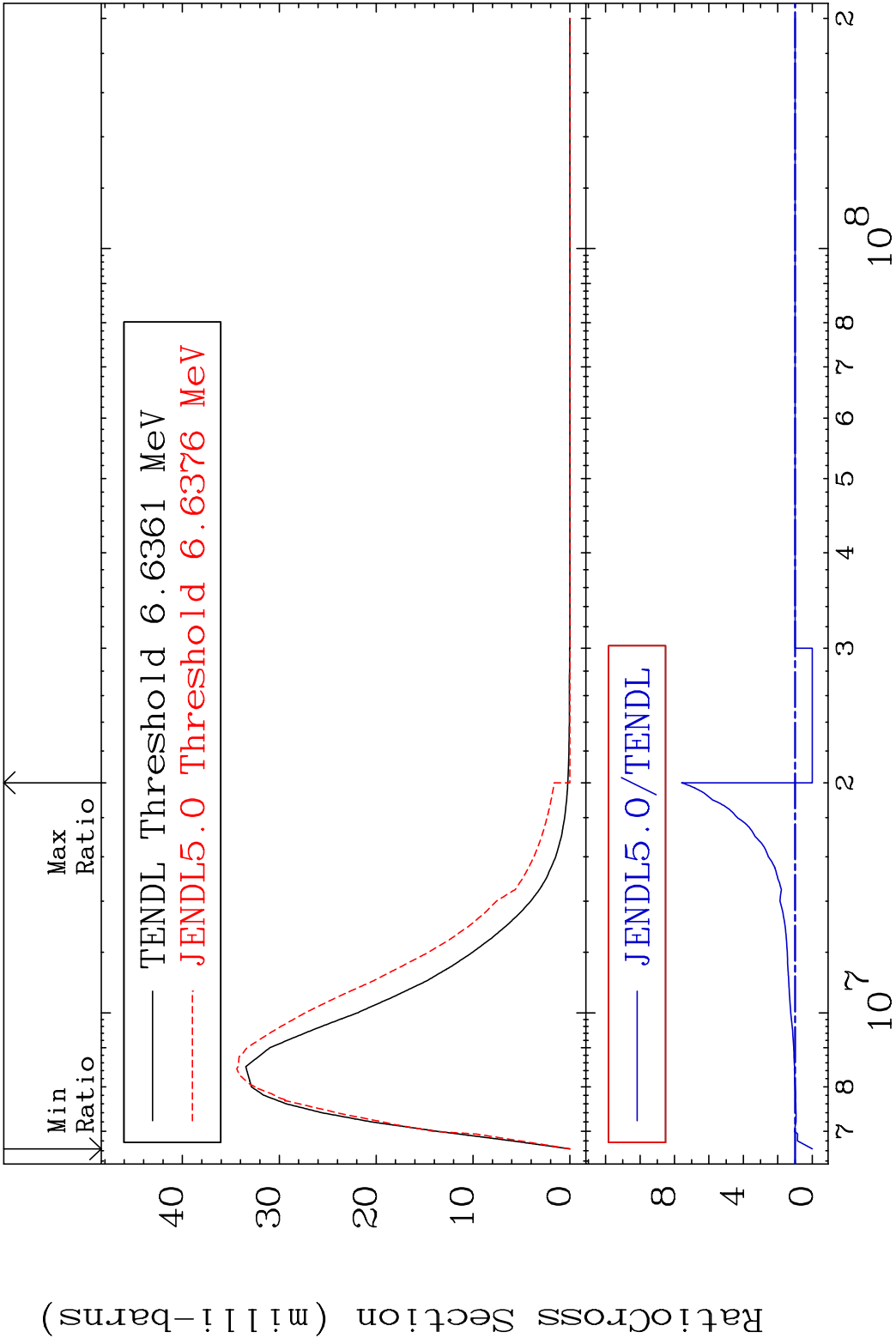
21 Incident Energy (eV) 10-Ne-22

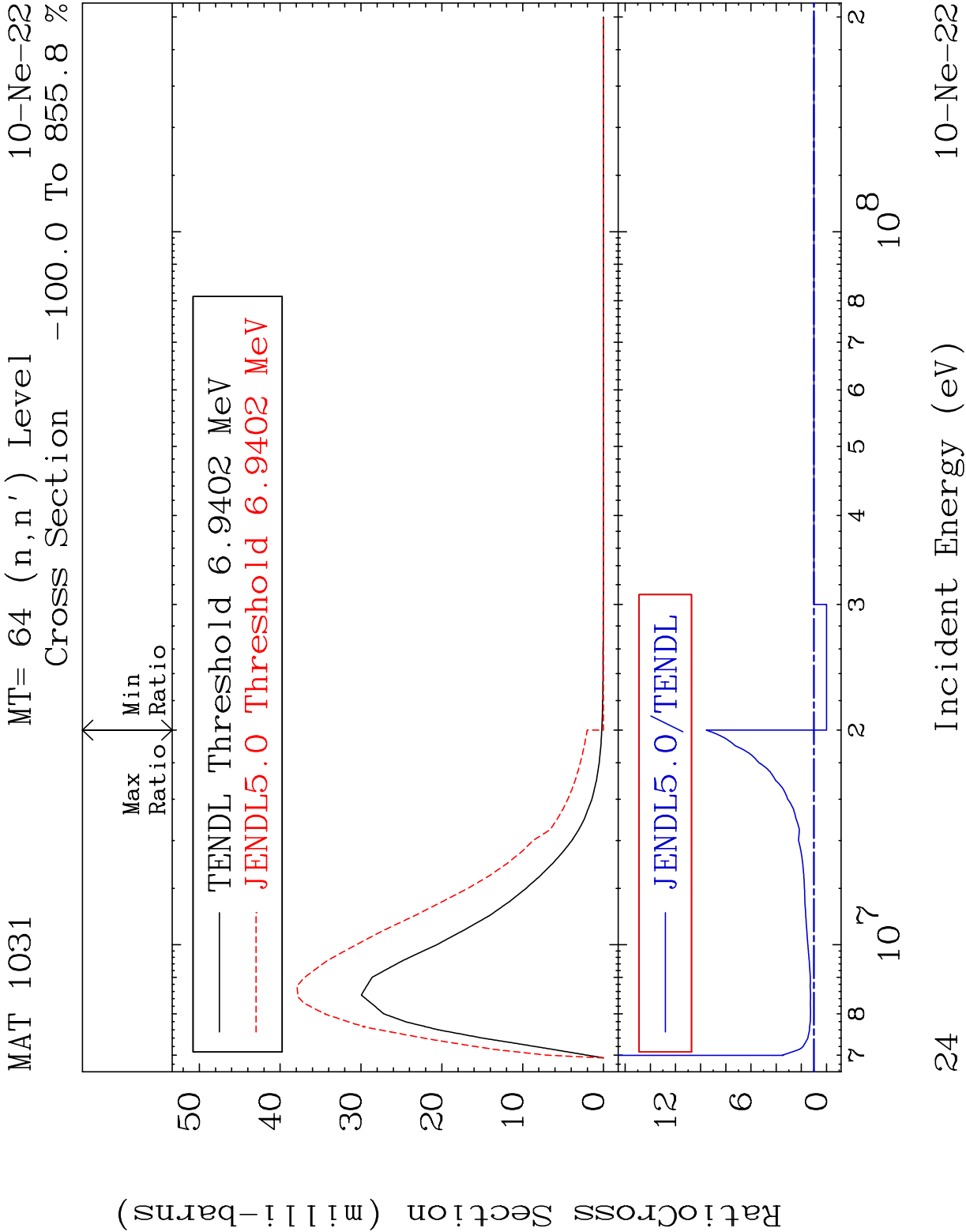
MAT 1031 MT= 62 (n,n') Level 10-Ne-22
Cross Section -100.0 To 340.1 %

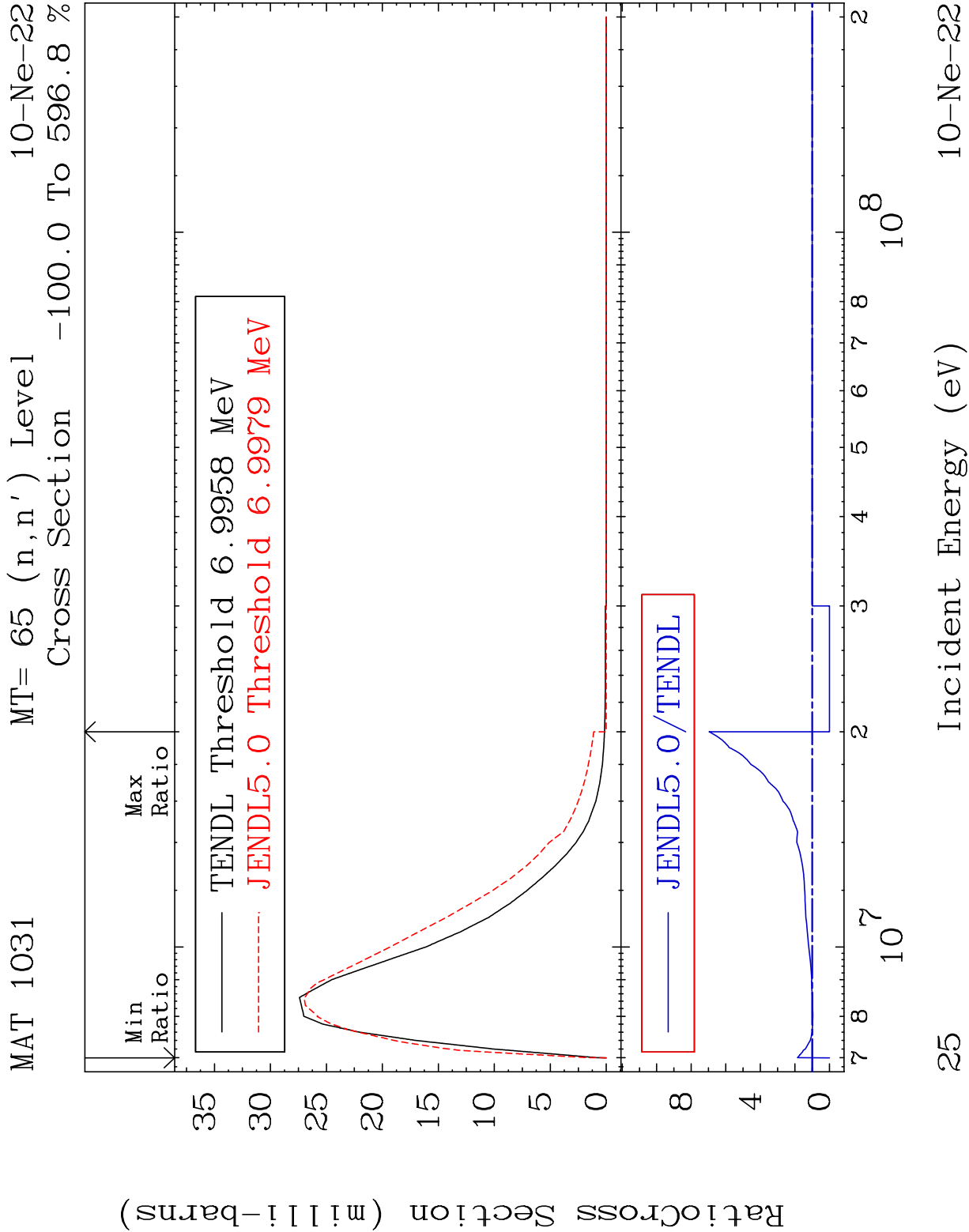


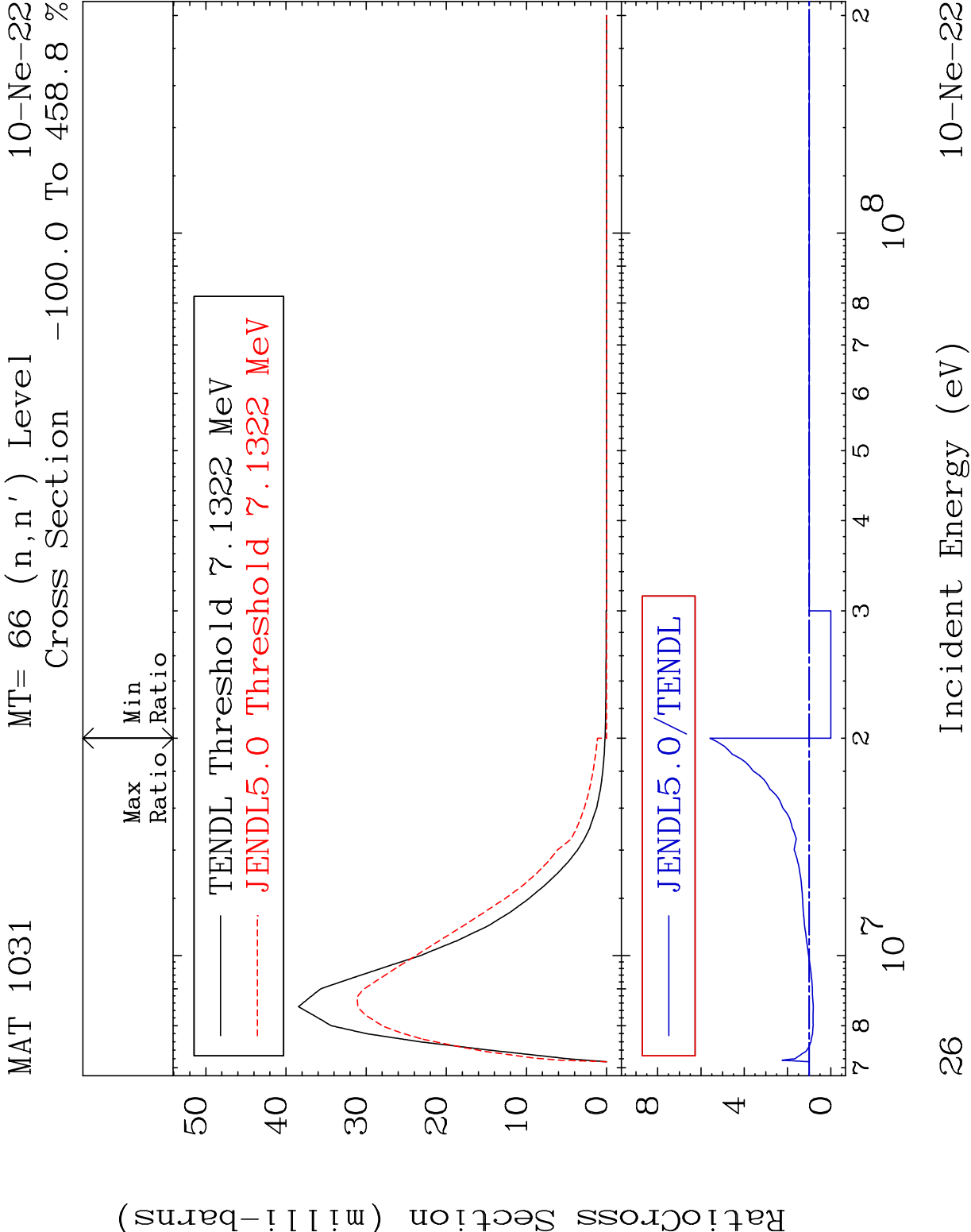
22 Incident Energy (eV) 10-Ne-22

MAT 1031 MT= 63 (n,n') Level 10-Ne-22
 Cross Section -100.0 To 659.0 %

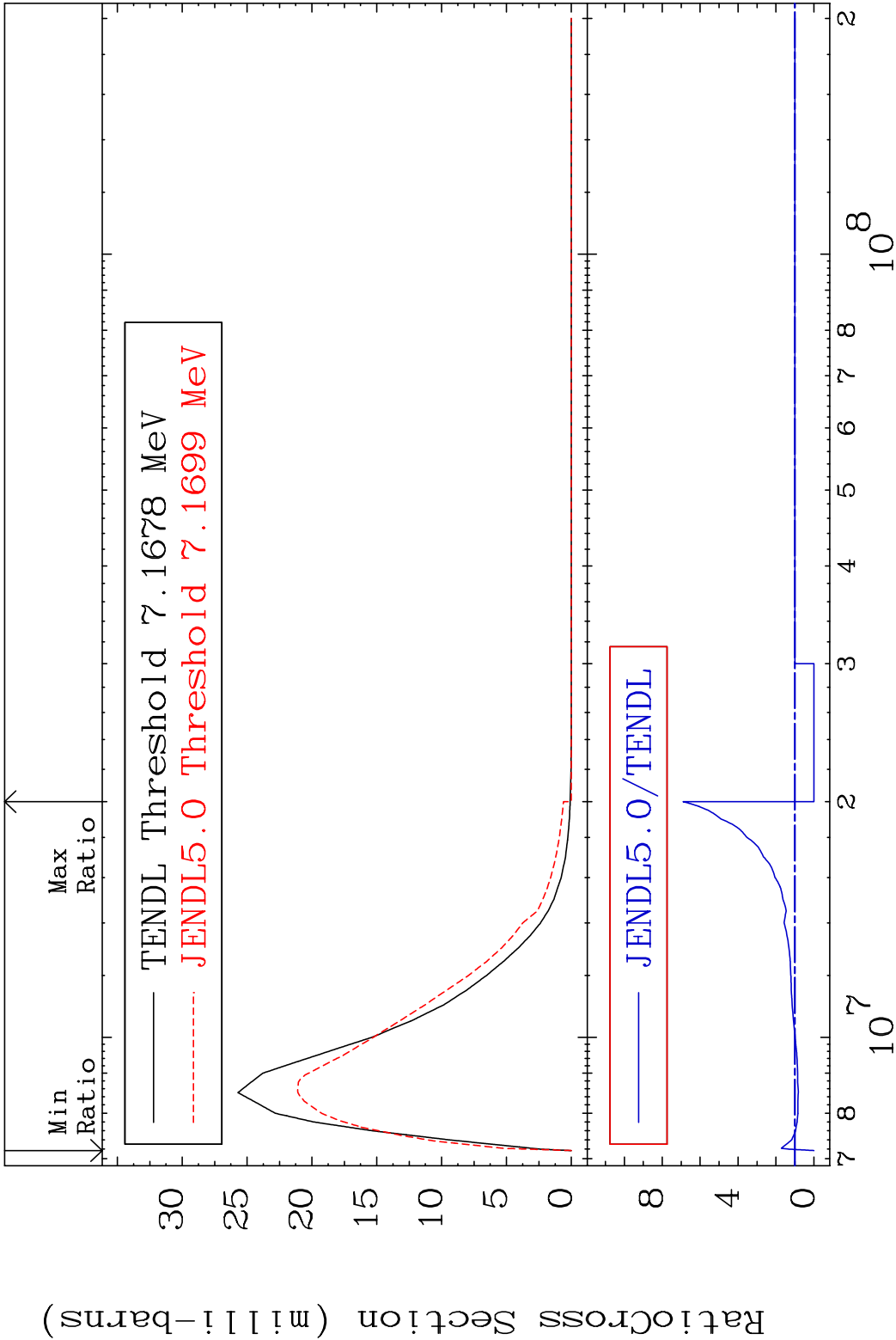




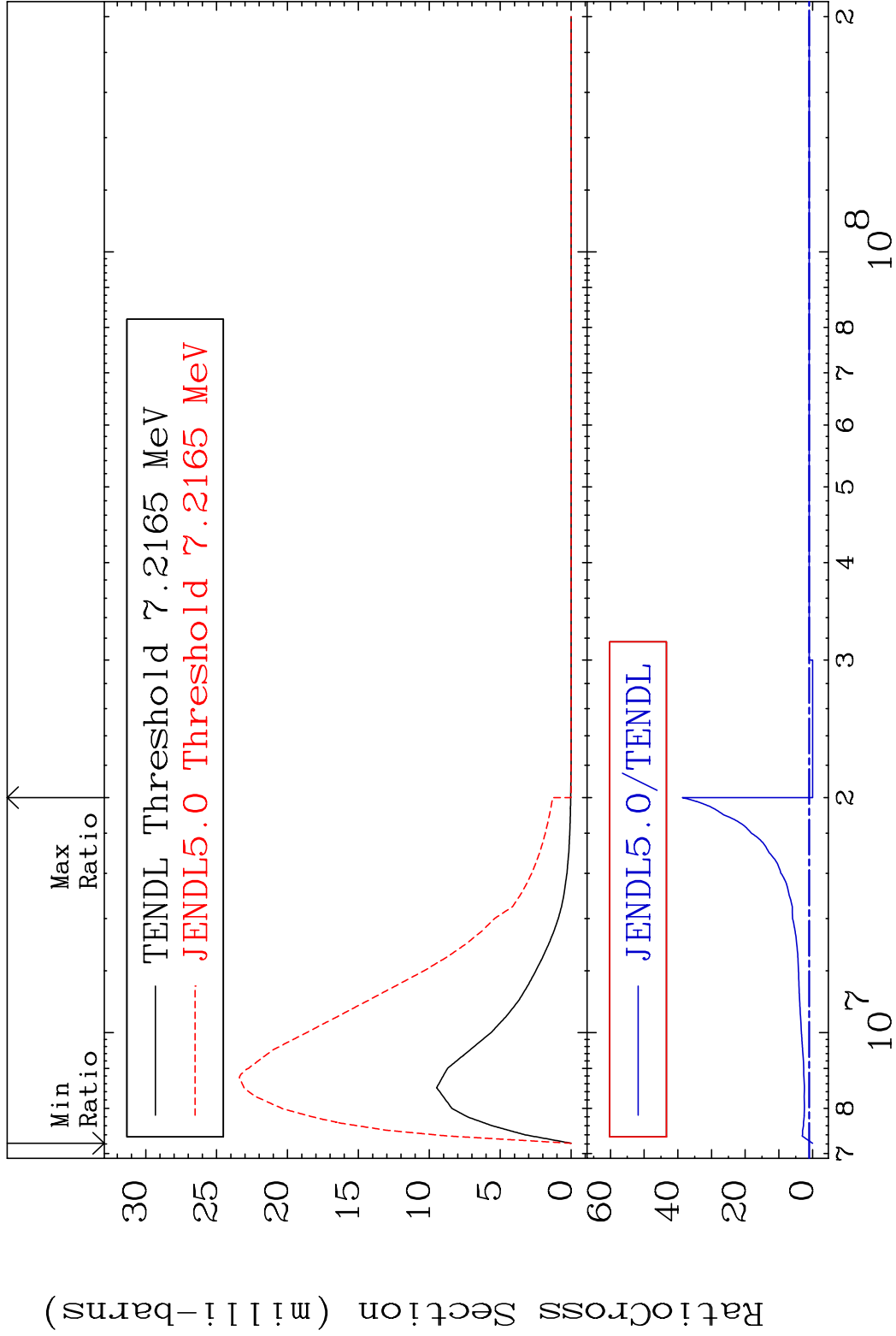




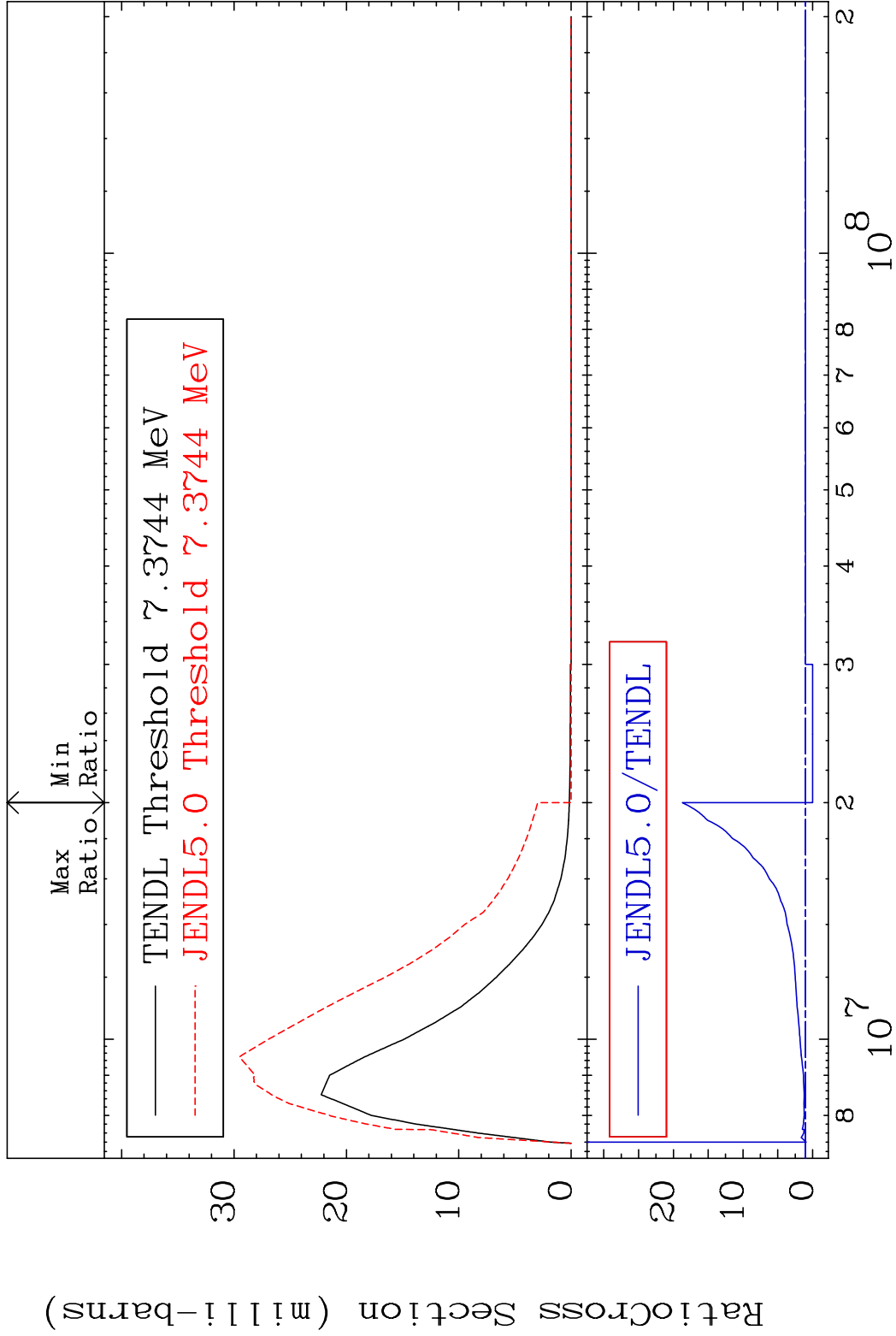
MAT 1031 MT= 67 (n,n') Level 10-Ne-22
Cross Section -100.0 To 590.2 %

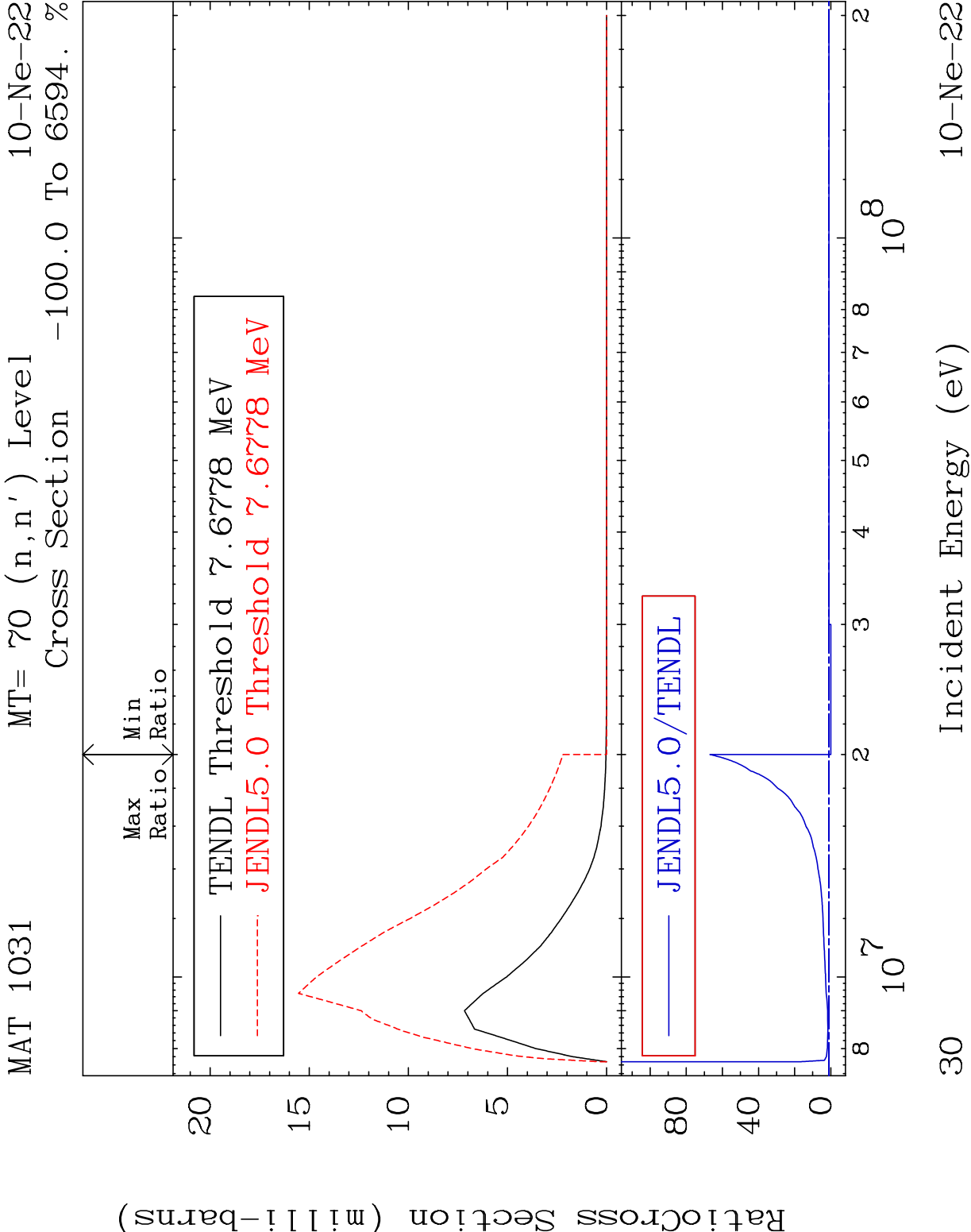


MAT 1031 MT= 68 (n,n') Level 10-Ne-22
Cross Section -100.0 To 3766. %

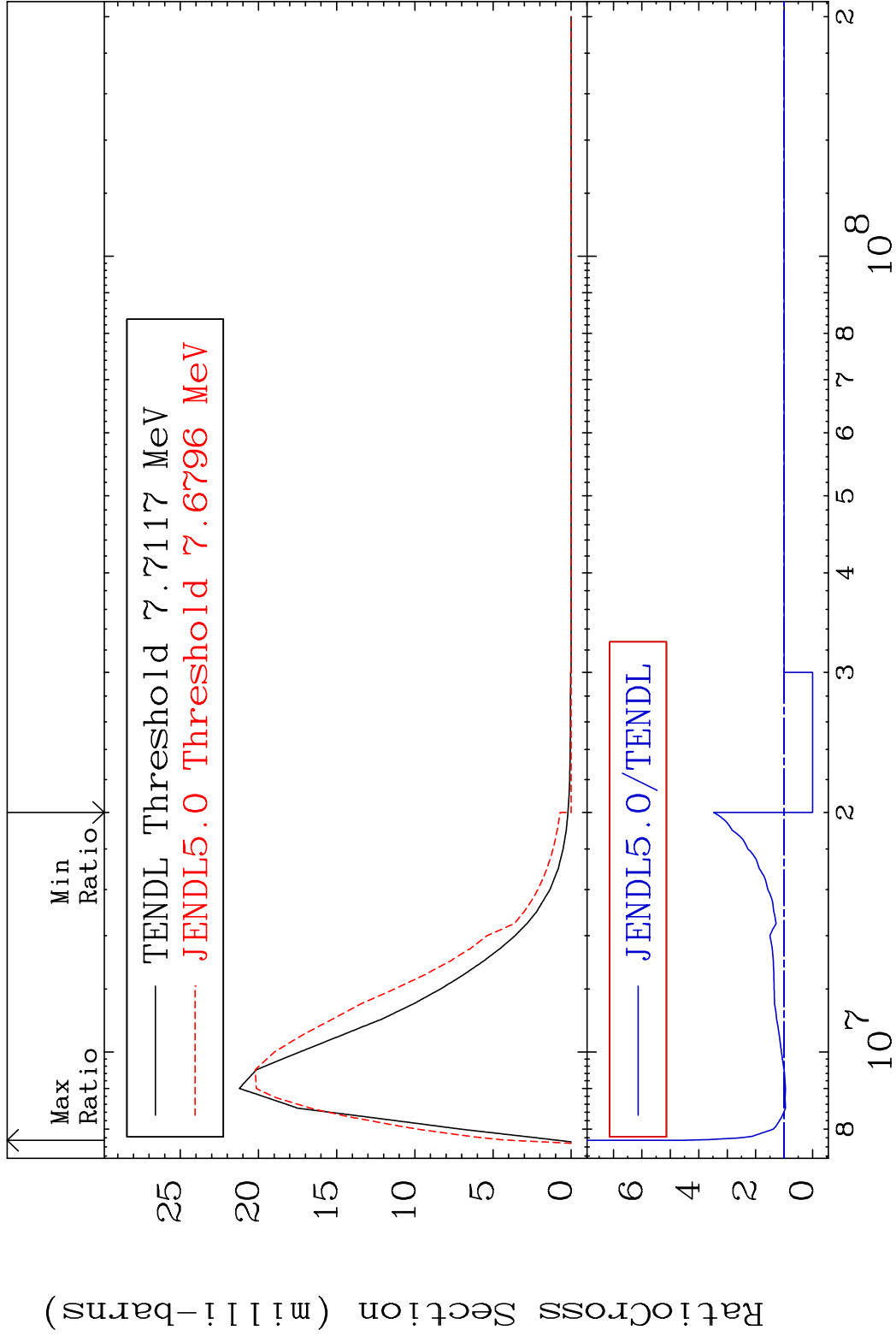


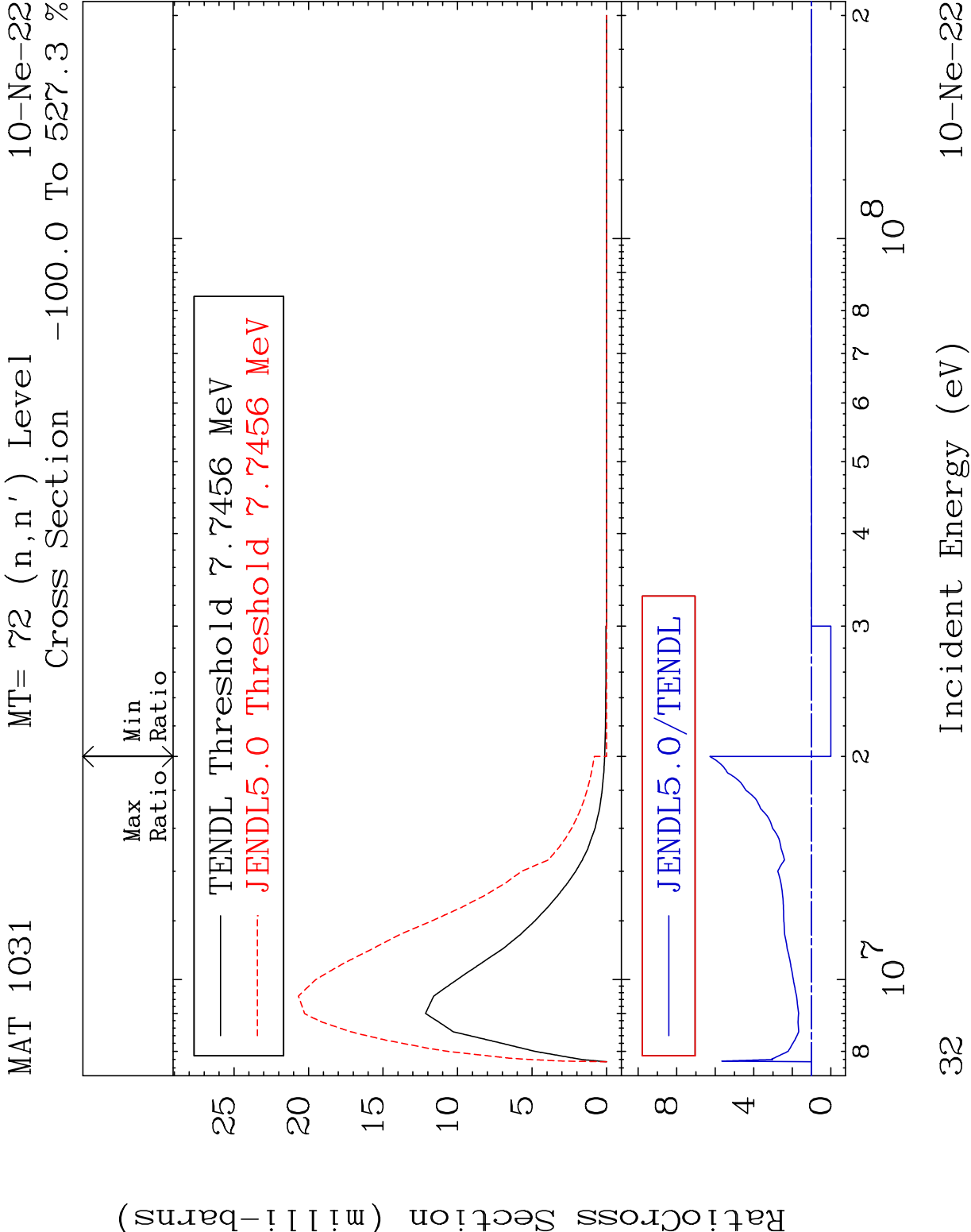
MAT 1031 MT= 69 (n,n') Level 10-Ne-22
Cross Section -100.0 To 1771. %

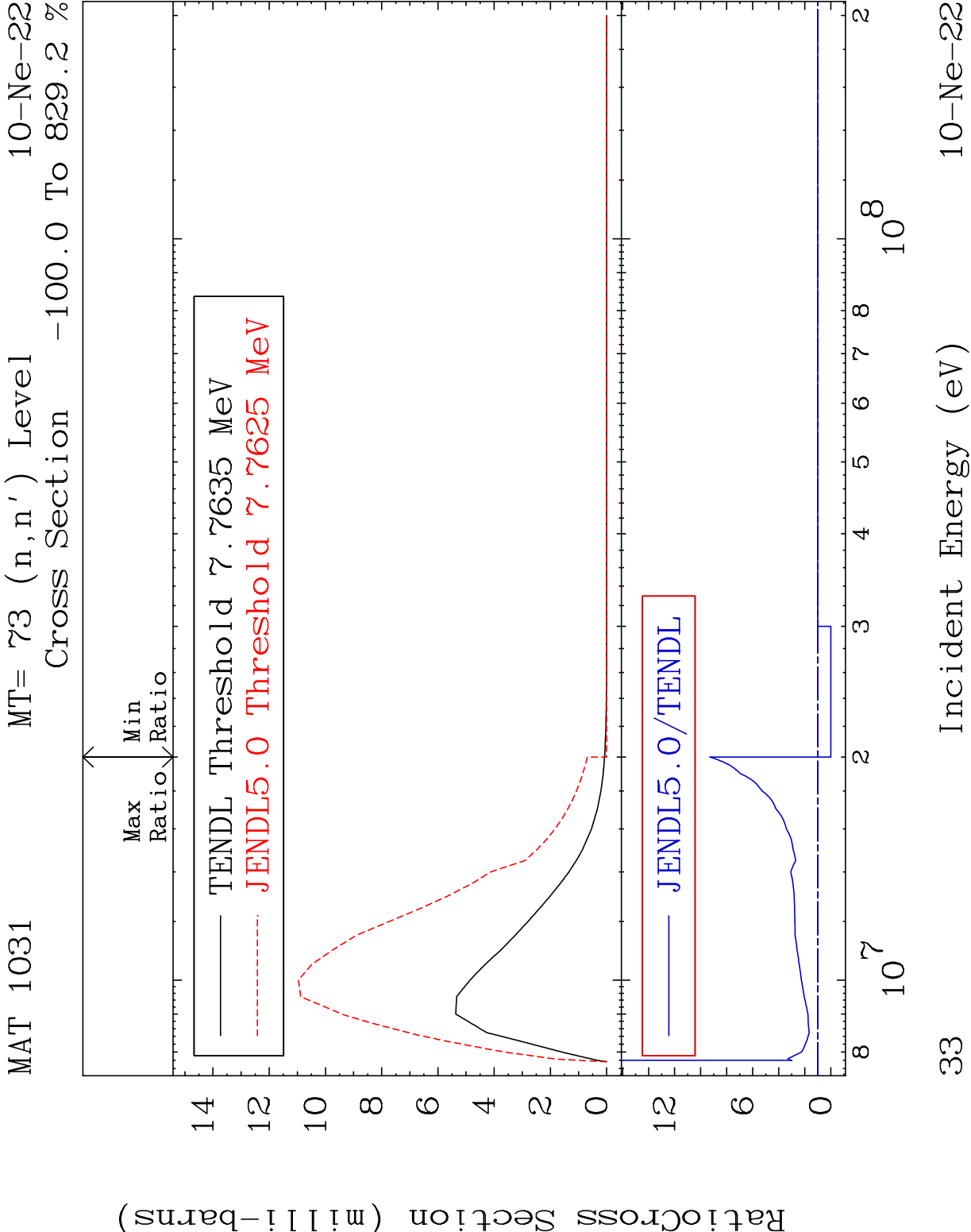




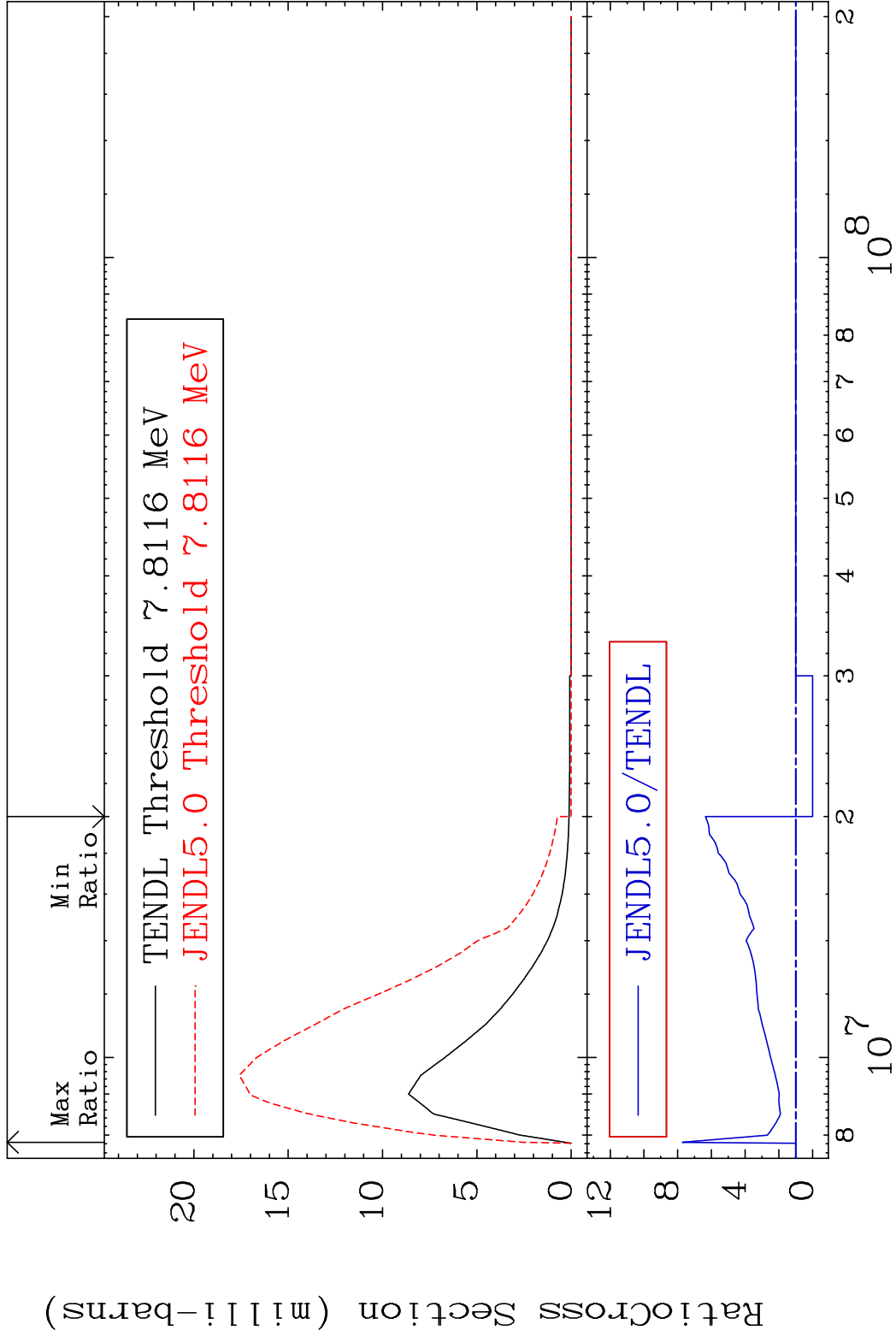
MAT 1031 MT= 71 (n,n') Level 10-Ne-22
Cross Section -100.0 To 357.7 %

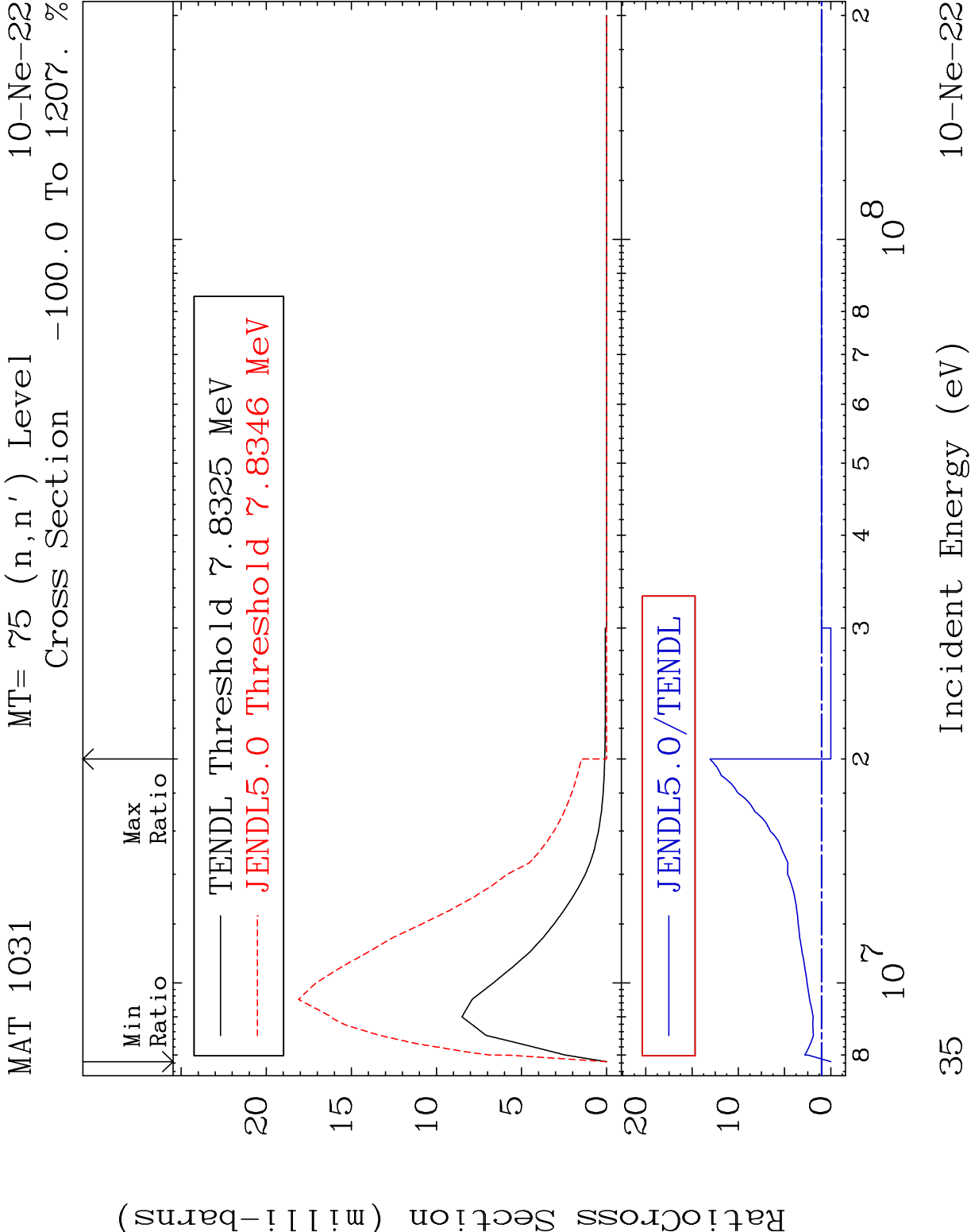




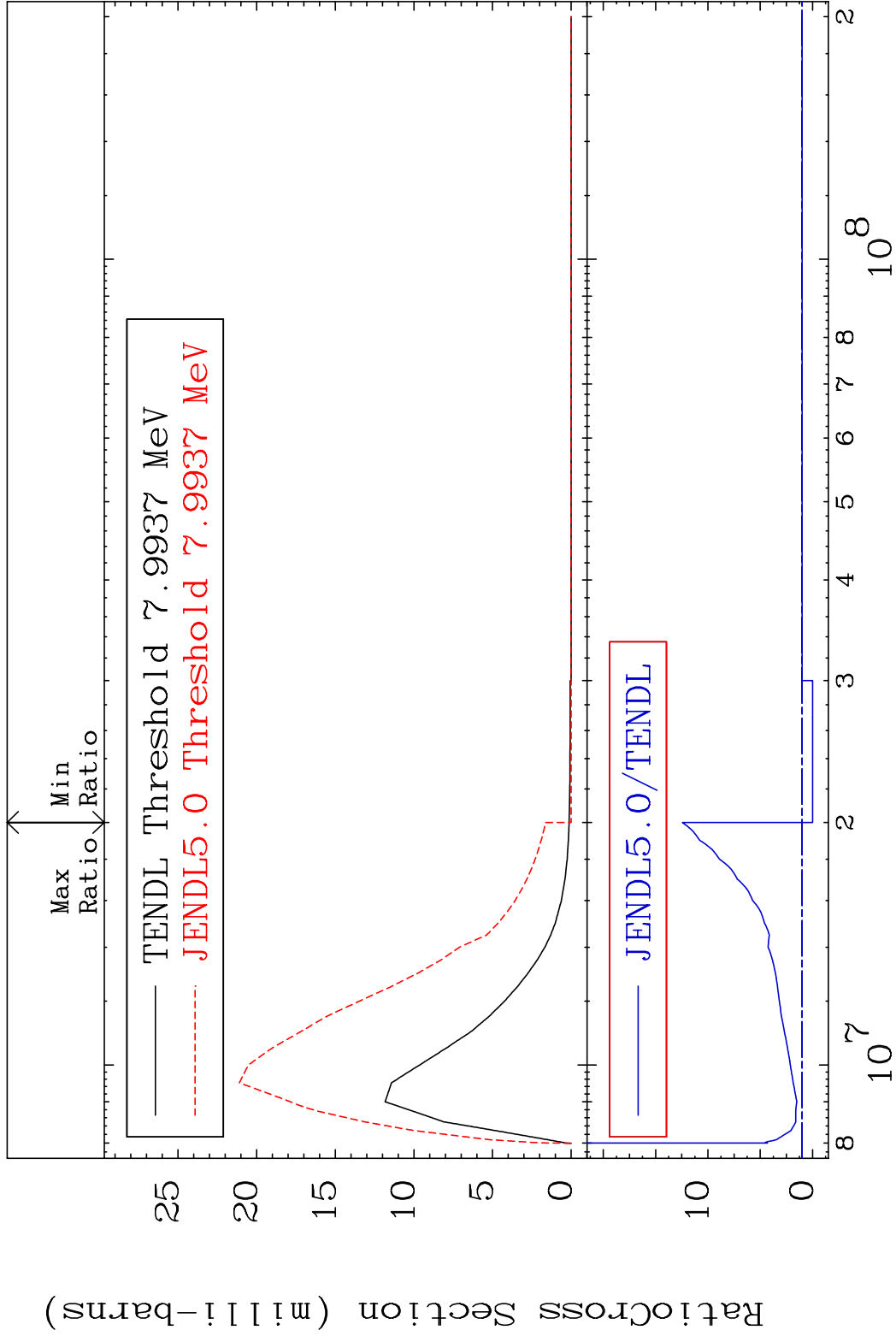


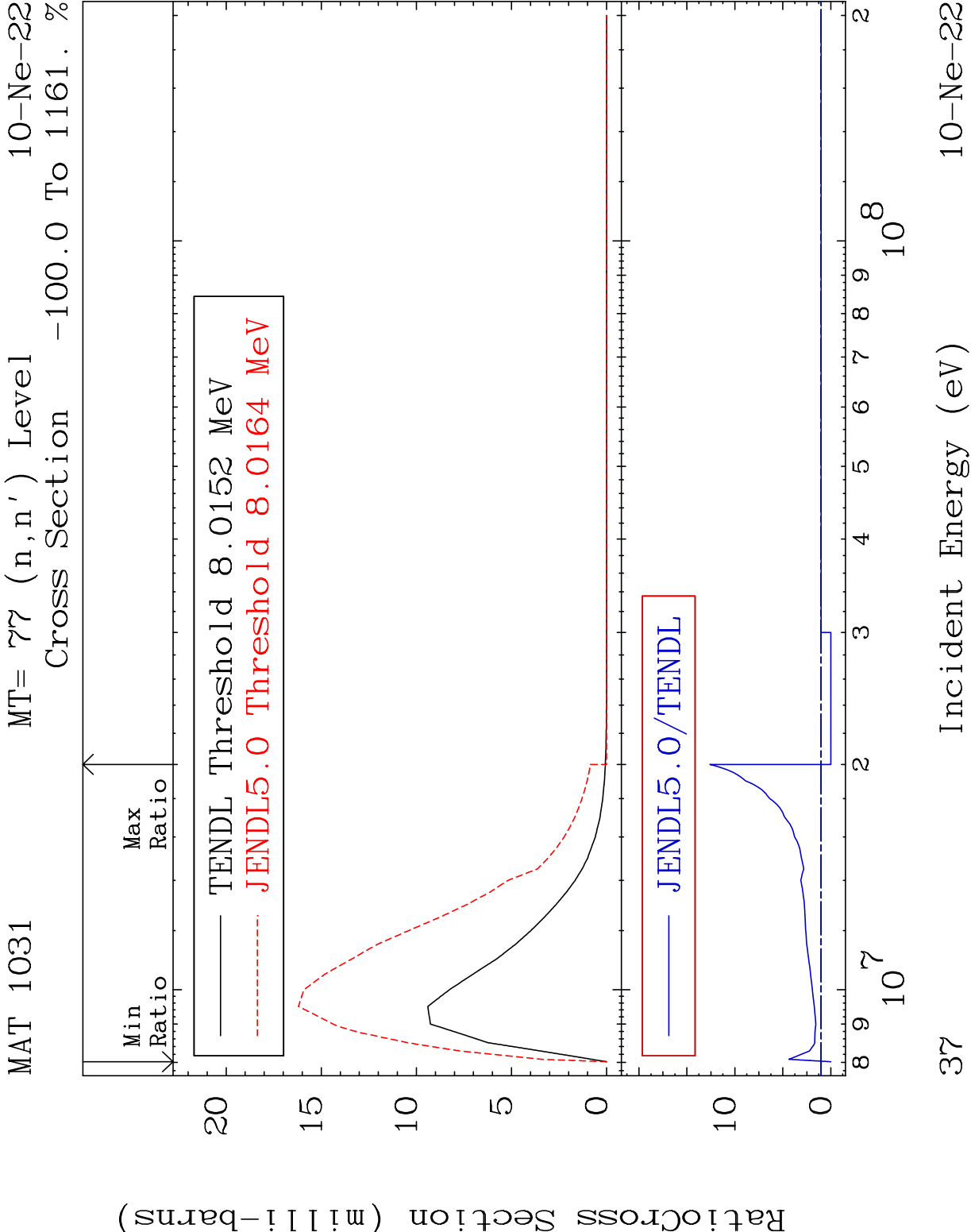
MAT 1031 MT= 74 (n,n') Level 10-Ne-22
Cross Section -100.0 To 672.3 %



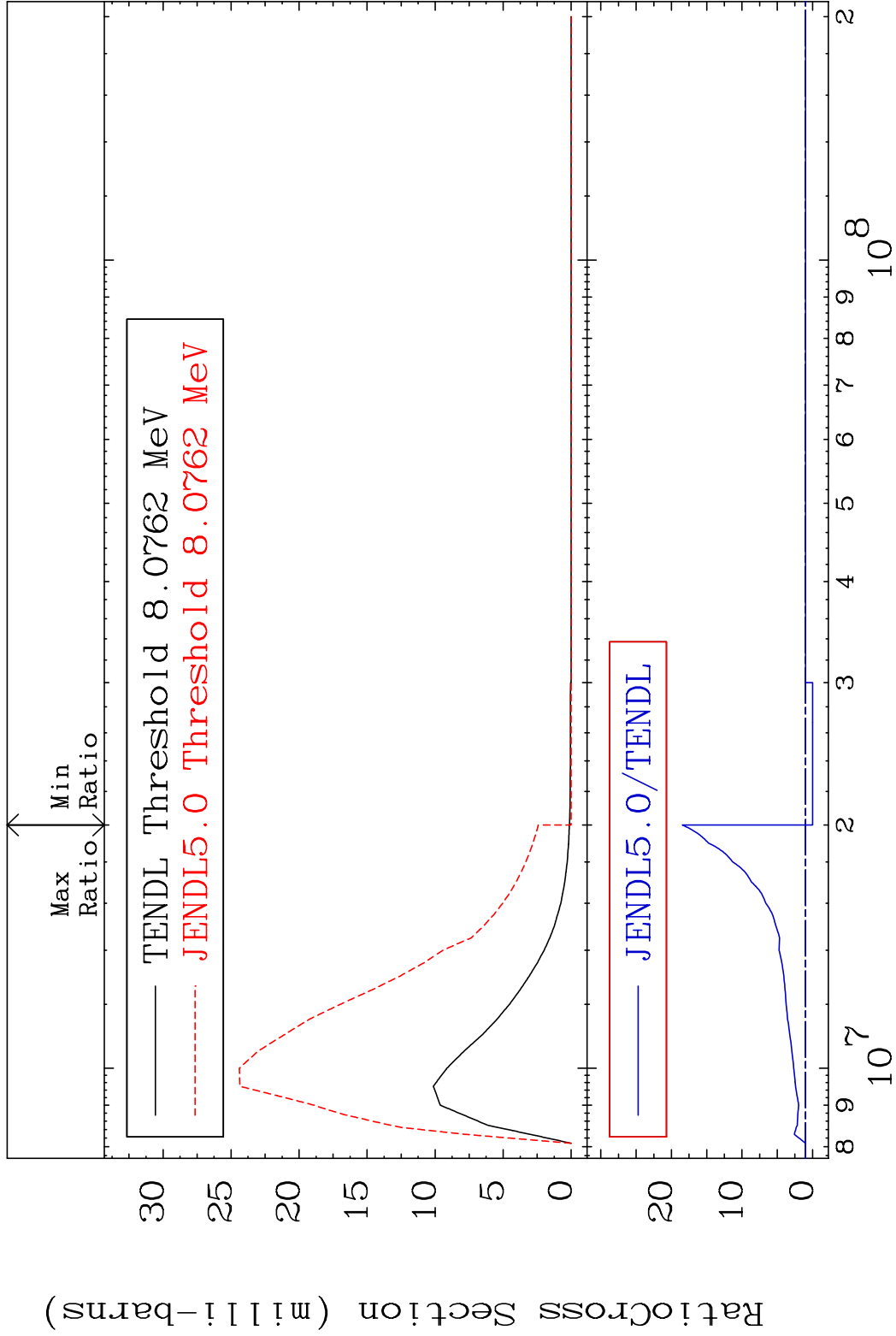


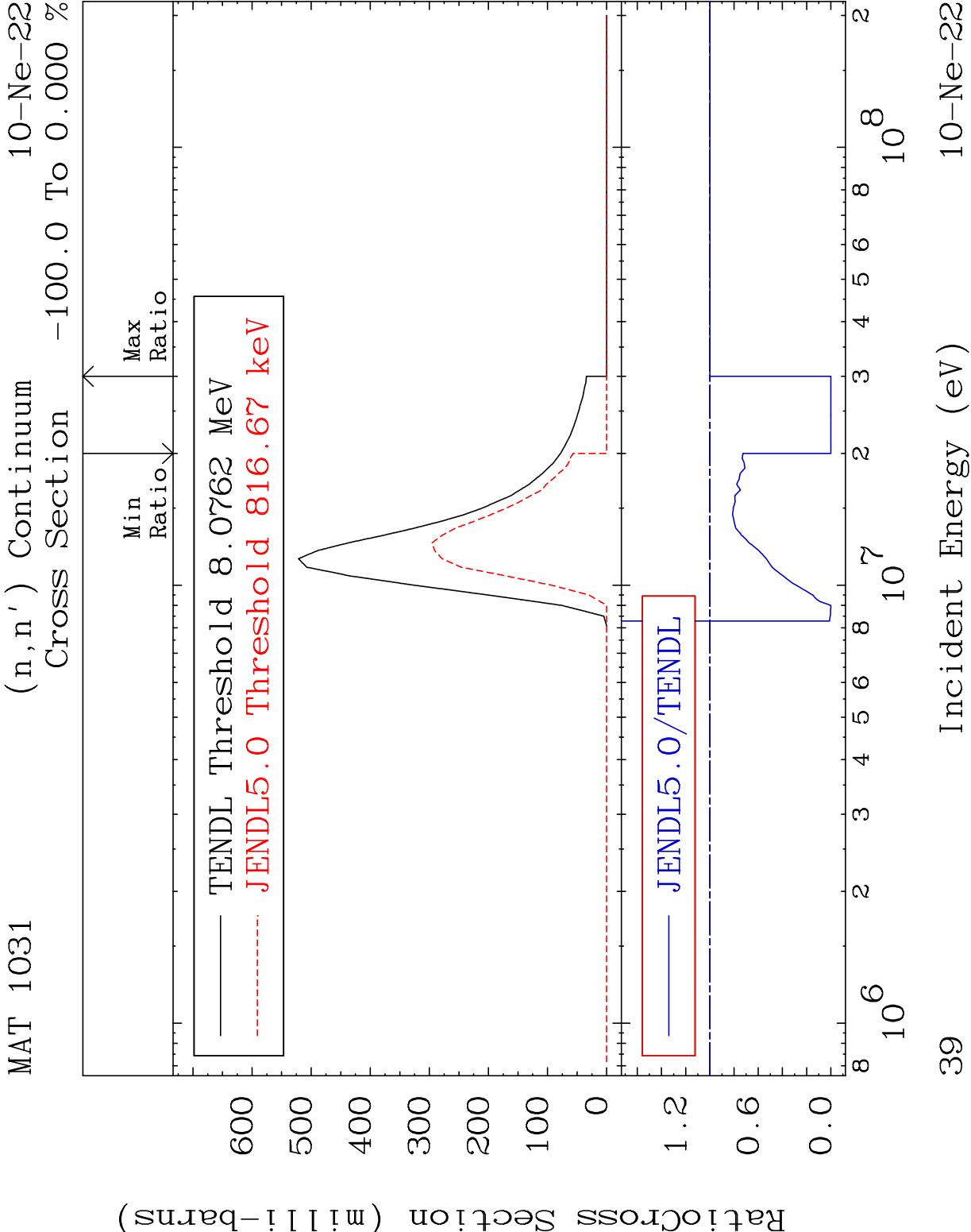
MAT 1031 MT= 76 (n,n') Level 10-Ne-22
Cross Section -100.0 To 1145. %

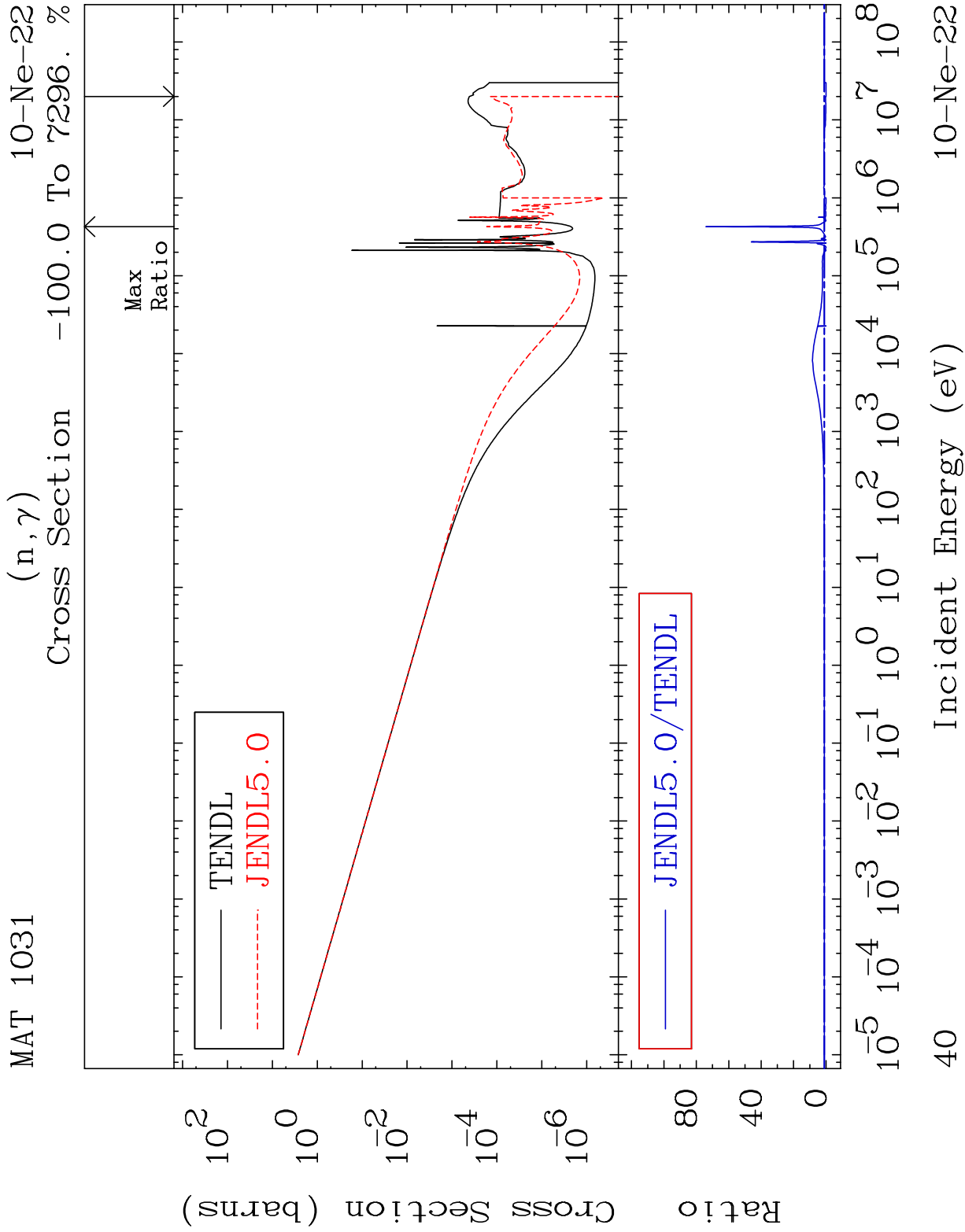


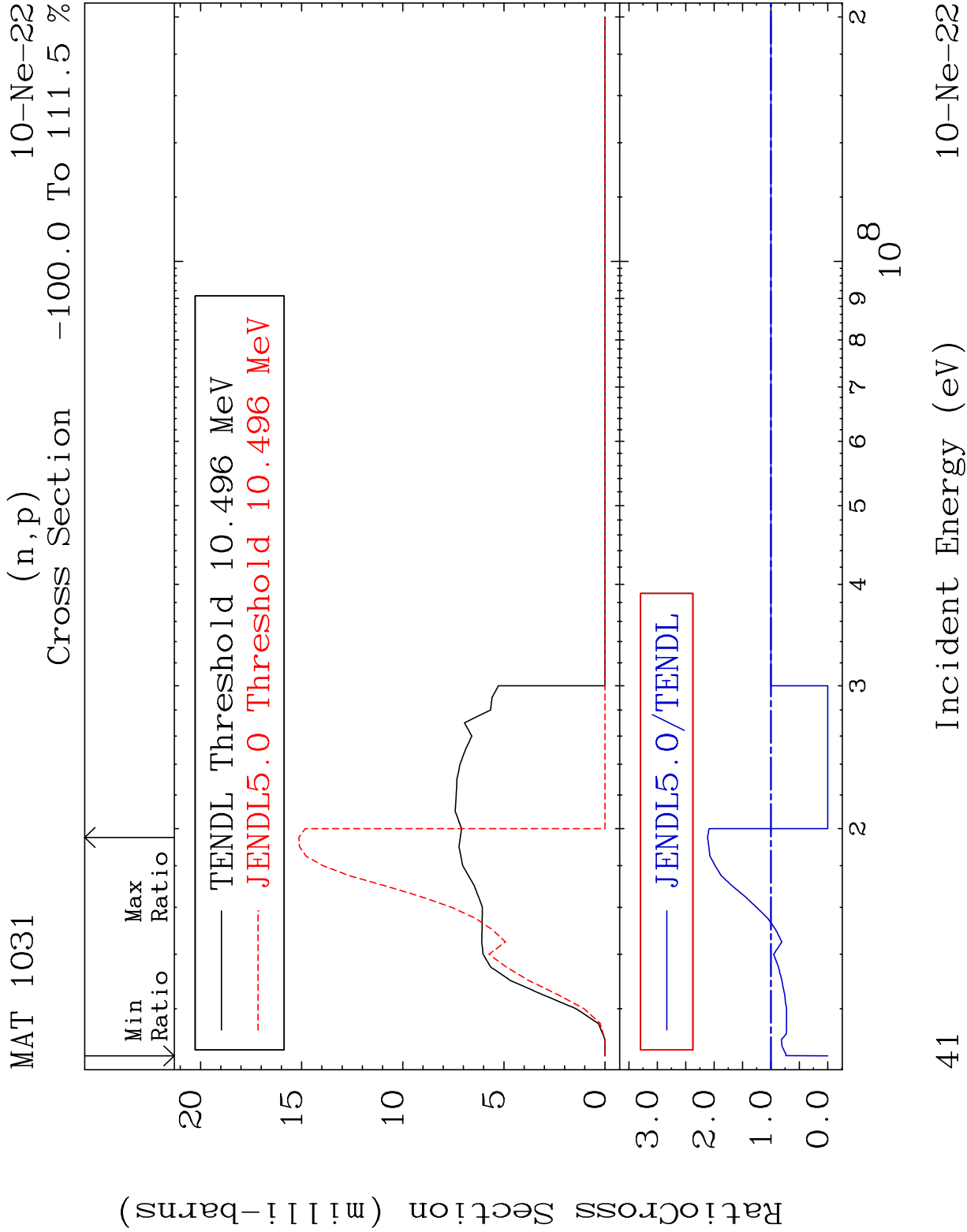


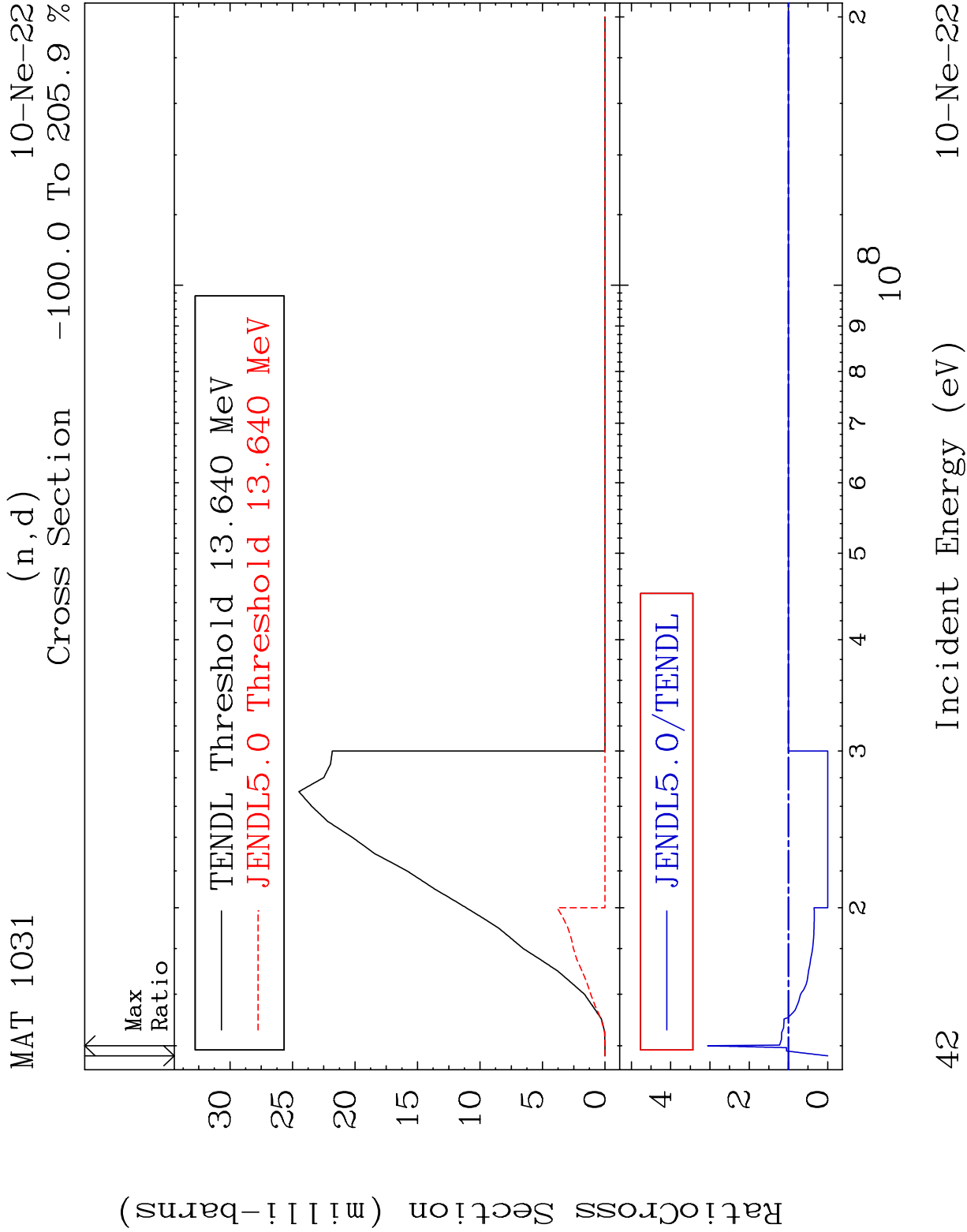
MAT 1031 MT= 78 (n,n') Level 10-Ne-22
Cross Section -100.0 To 1745. %











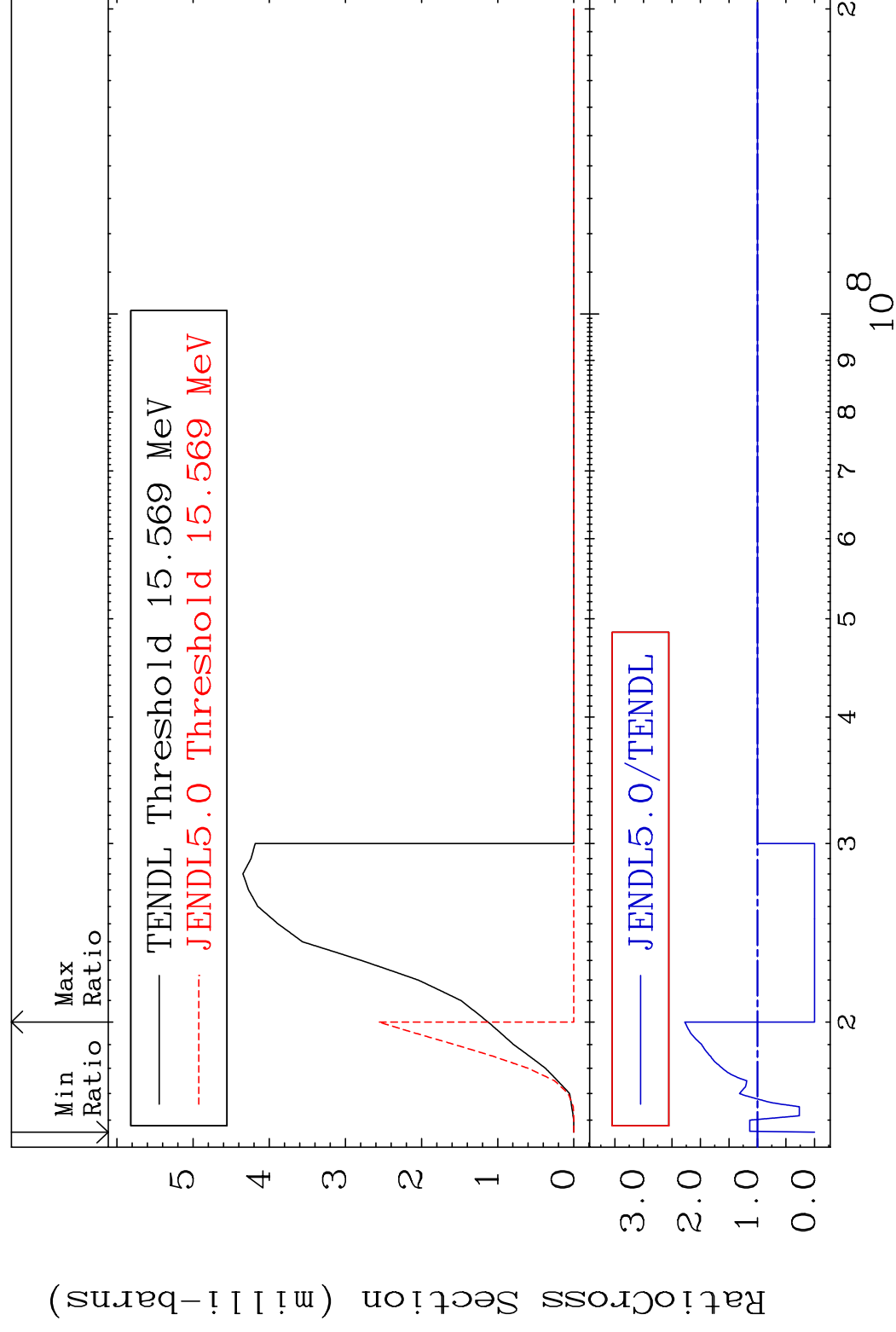
MAT 1031

$$(n, t)$$

10-Ne-22

Cross Section

-100.0 To 127.7 %

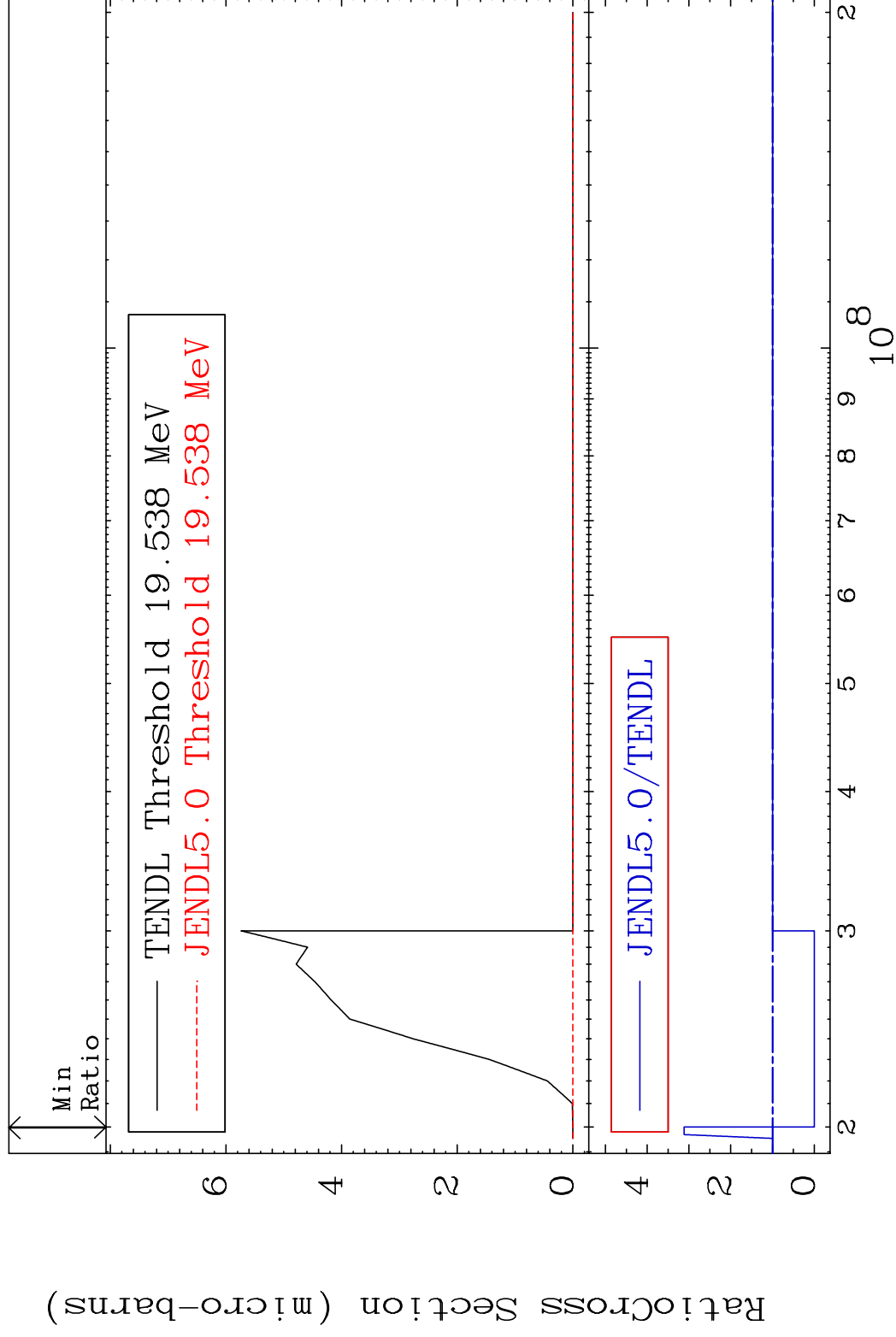


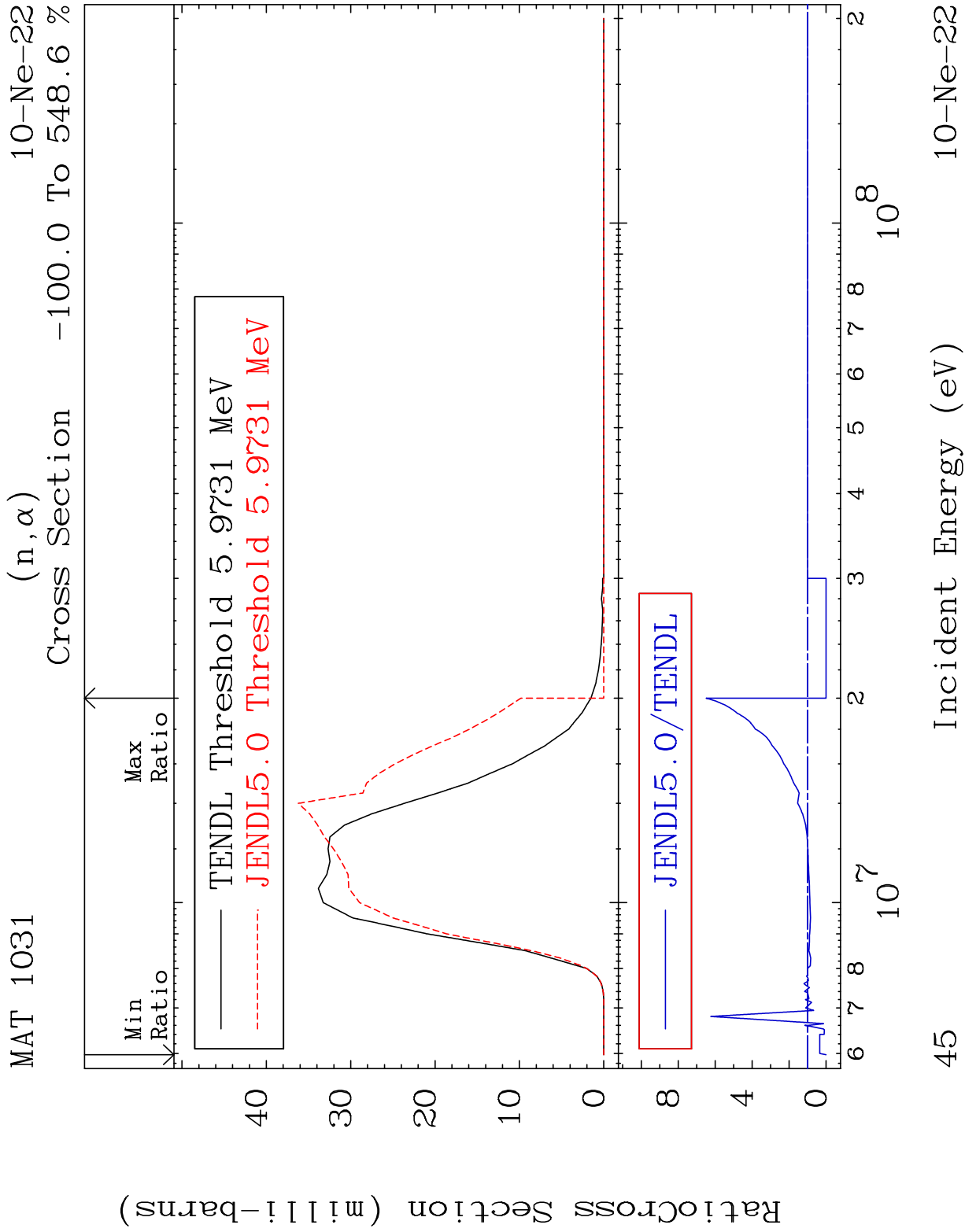
MAT 1031

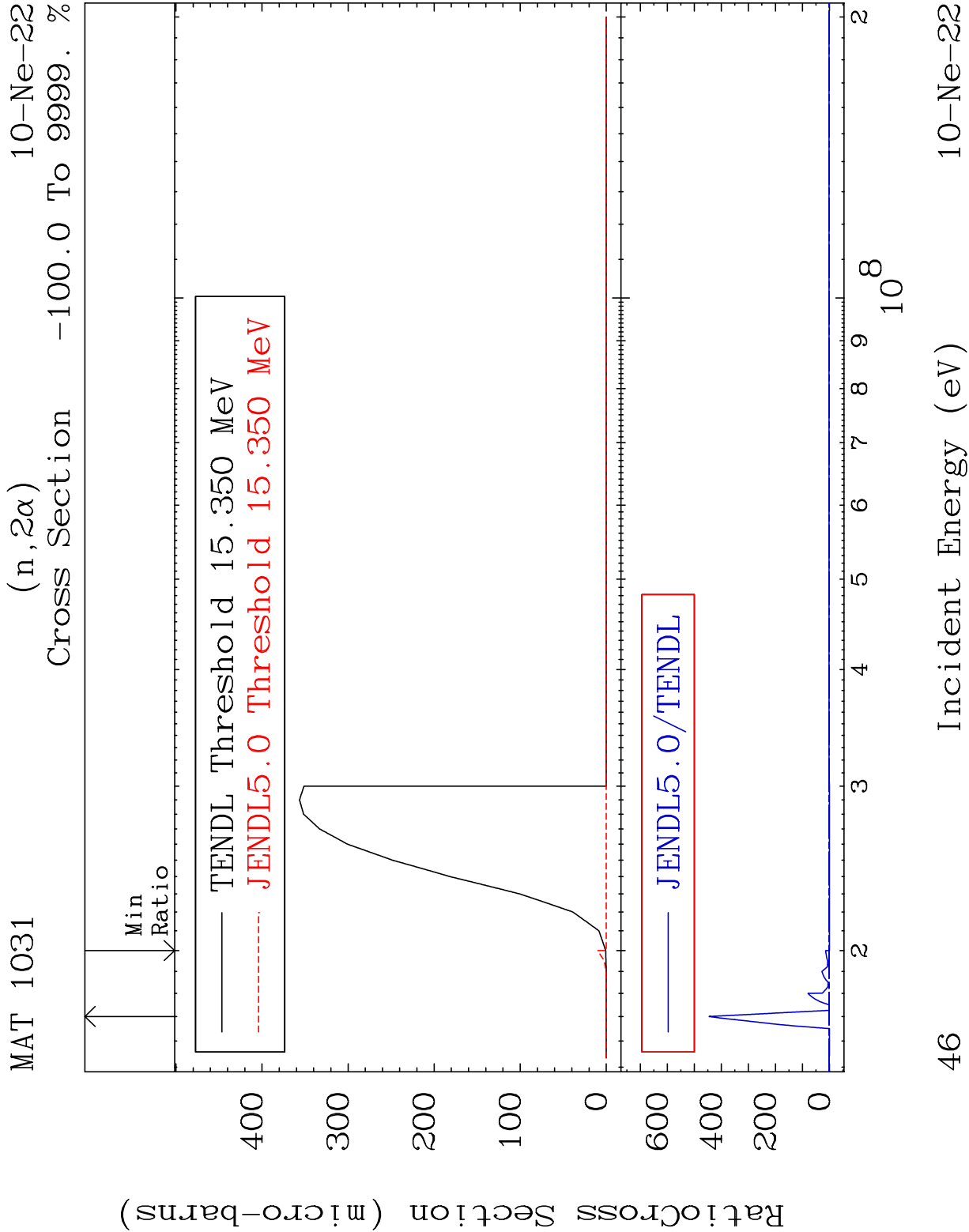
 $(n, \text{He-3})$

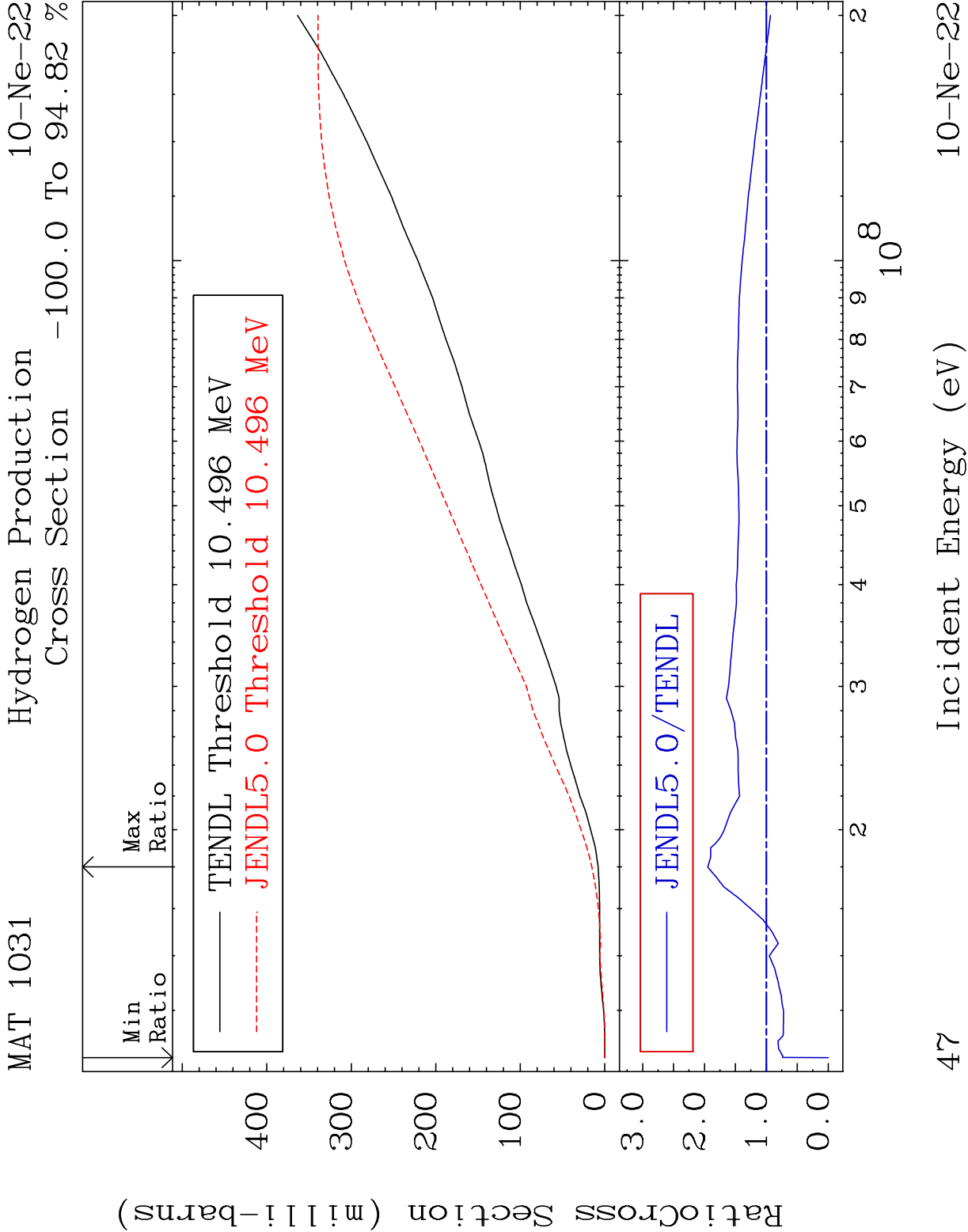
10-Ne-22

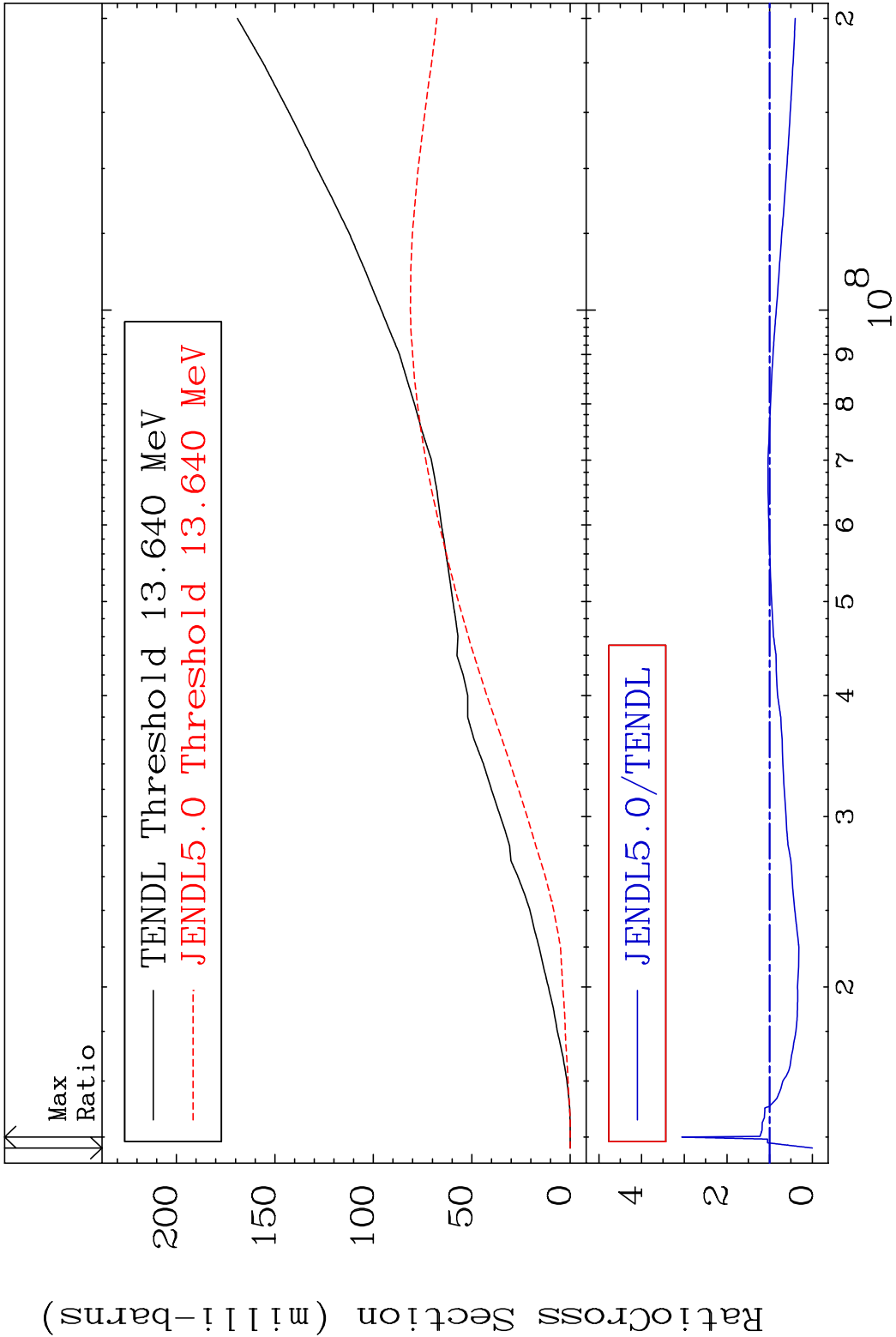
Cross Section

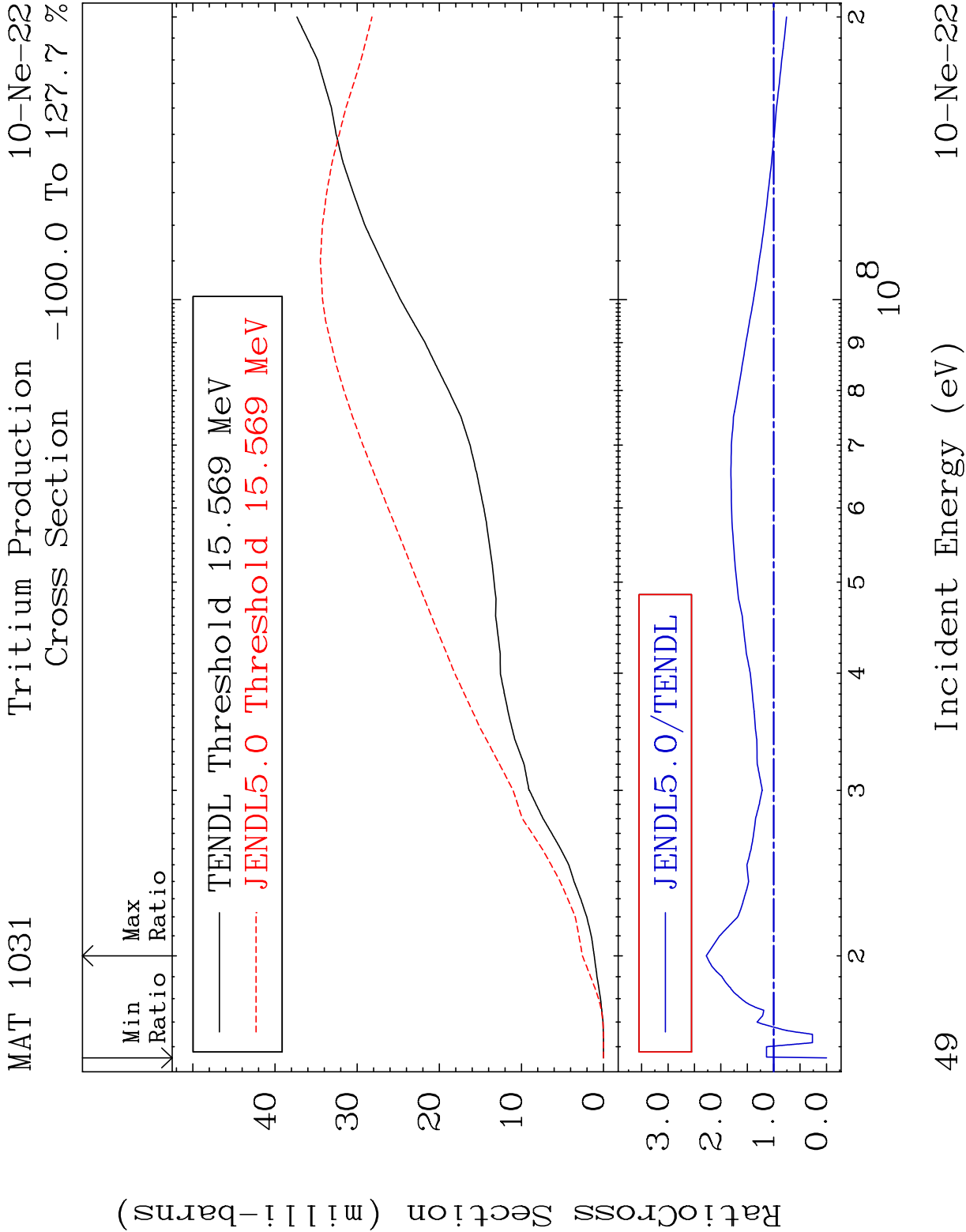


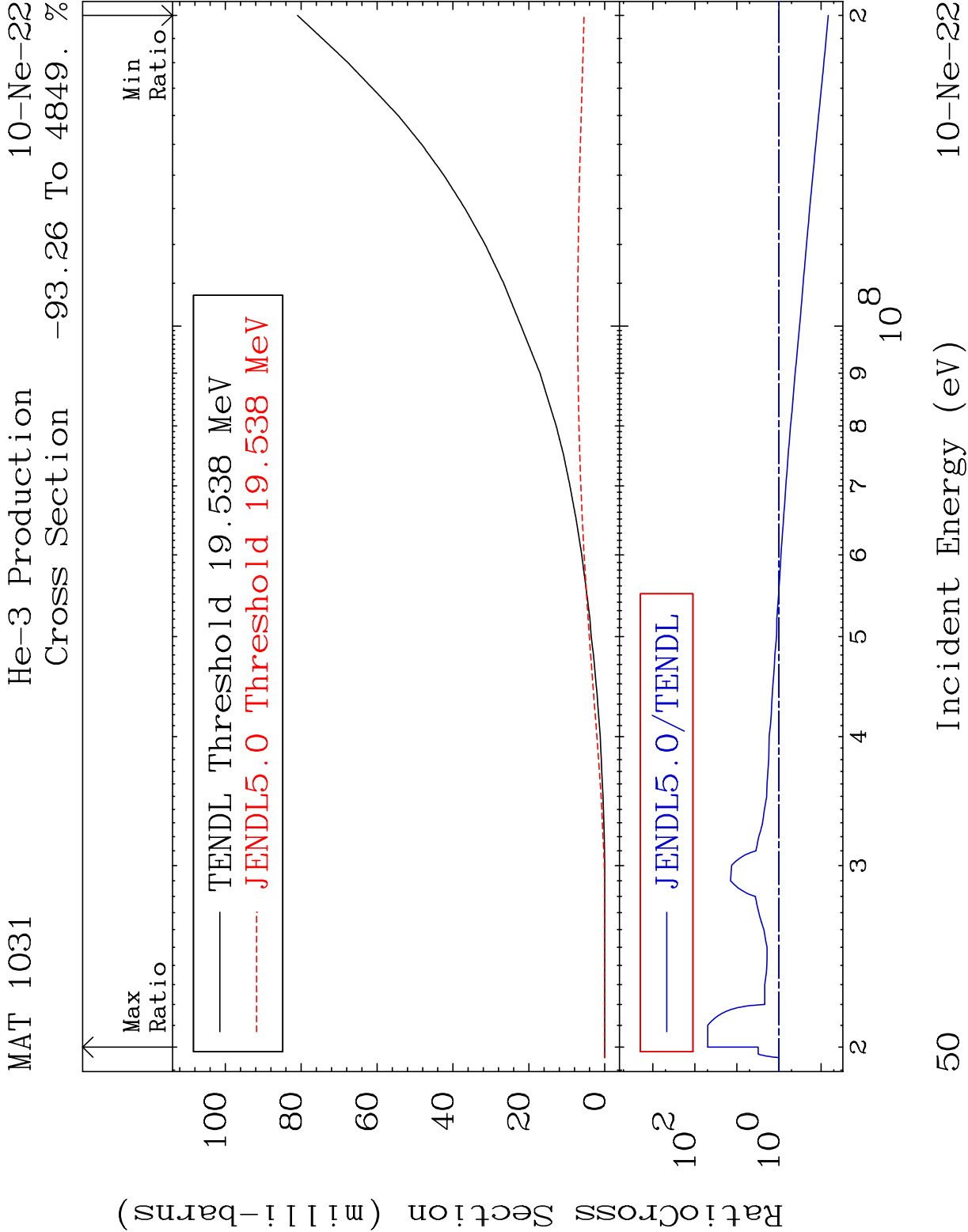


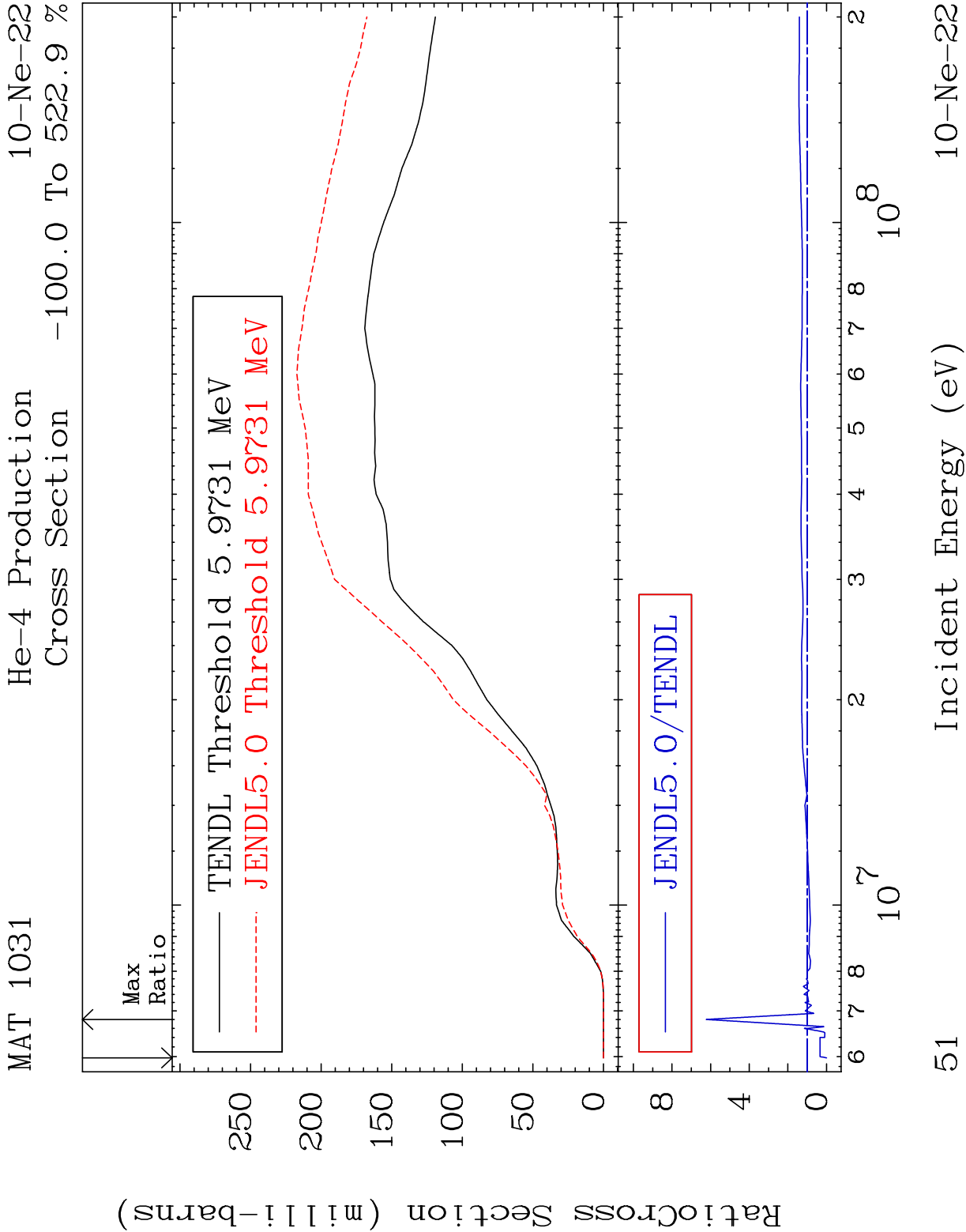












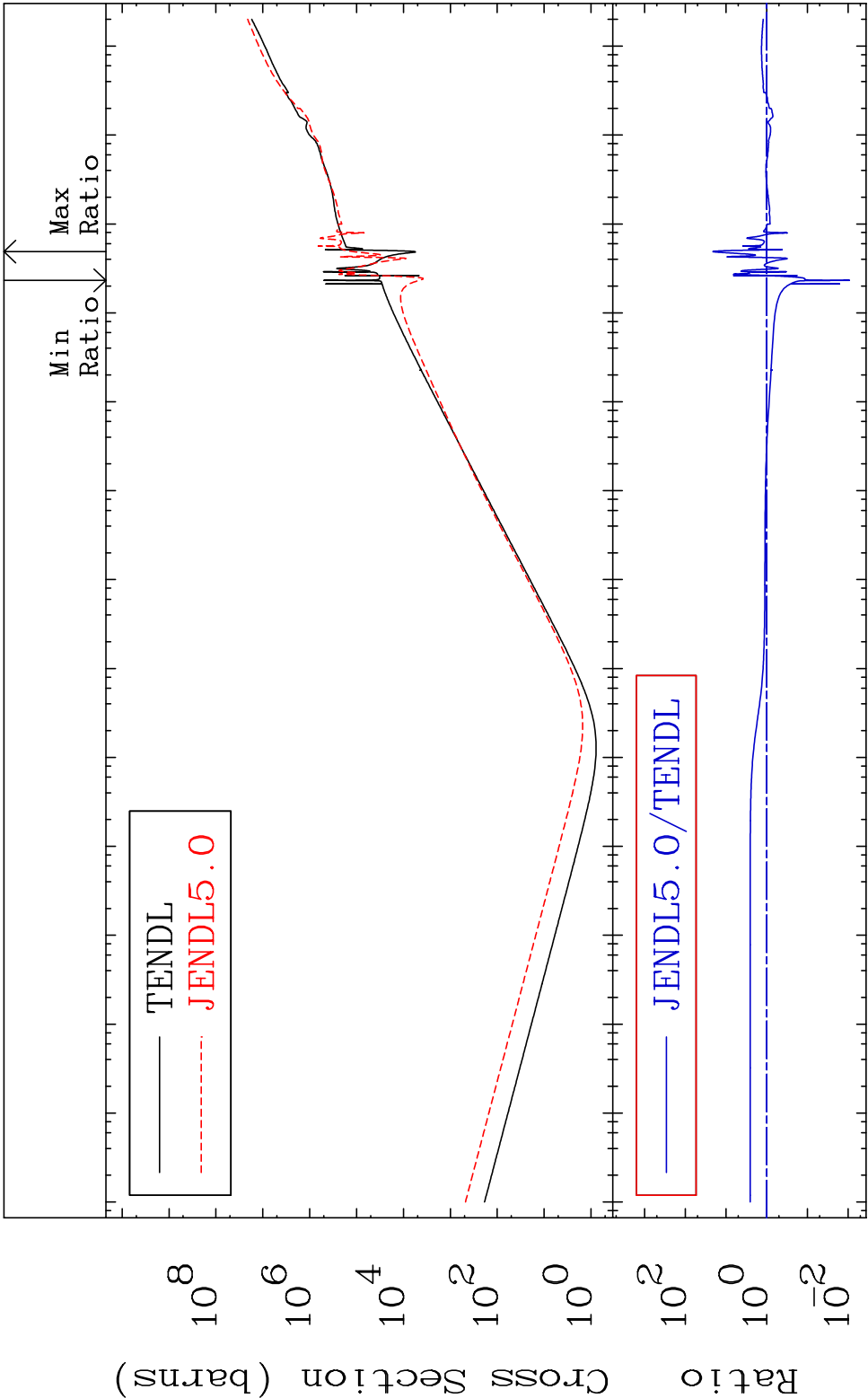
MAT 1031

Kerma total (eV-barns)

10-Ne-22

Cross Section

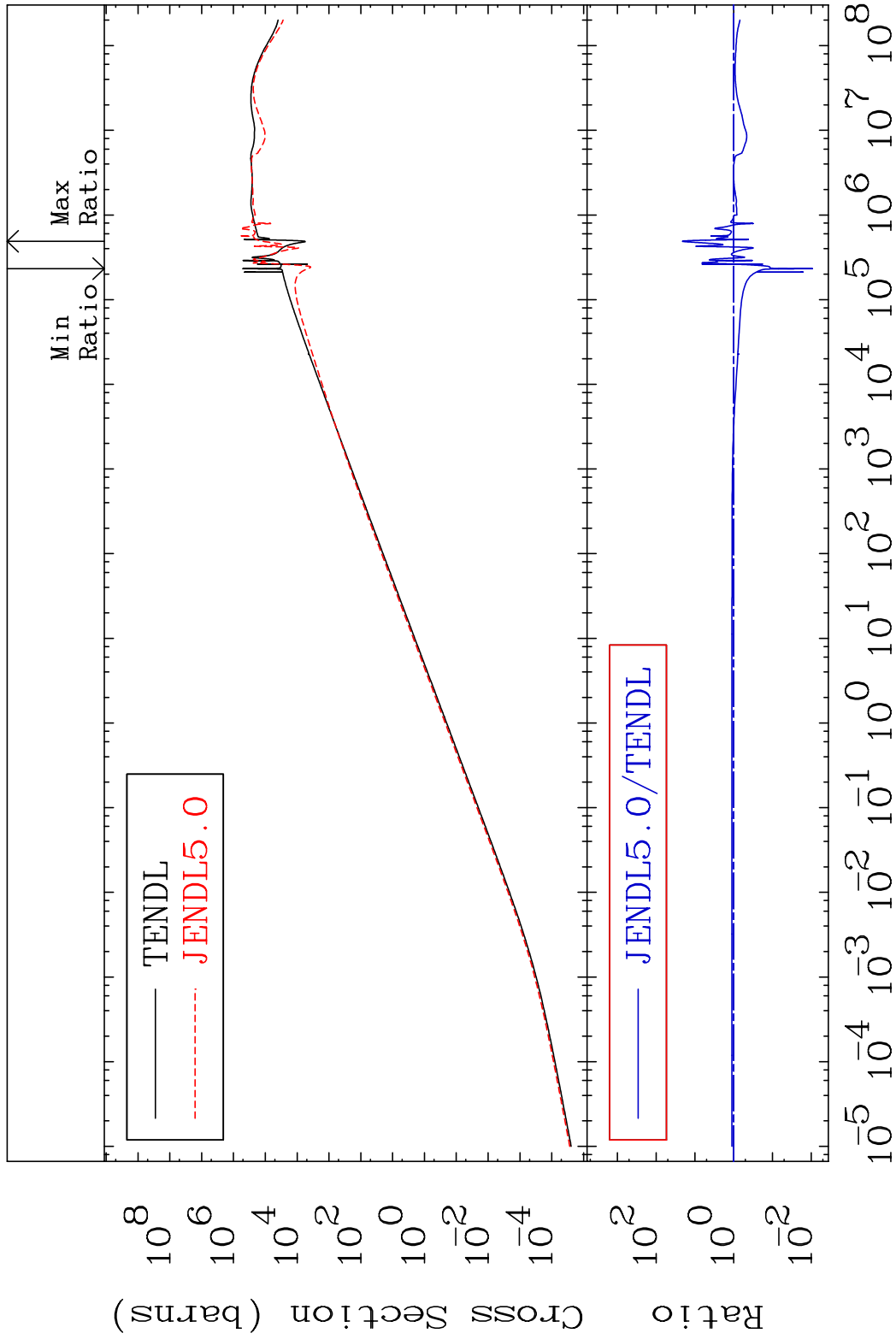
-99.07 To 2010. %



MAT 1031

Kerma elastic
Cross Section

10-Ne-22
-99.07 To 2010. %

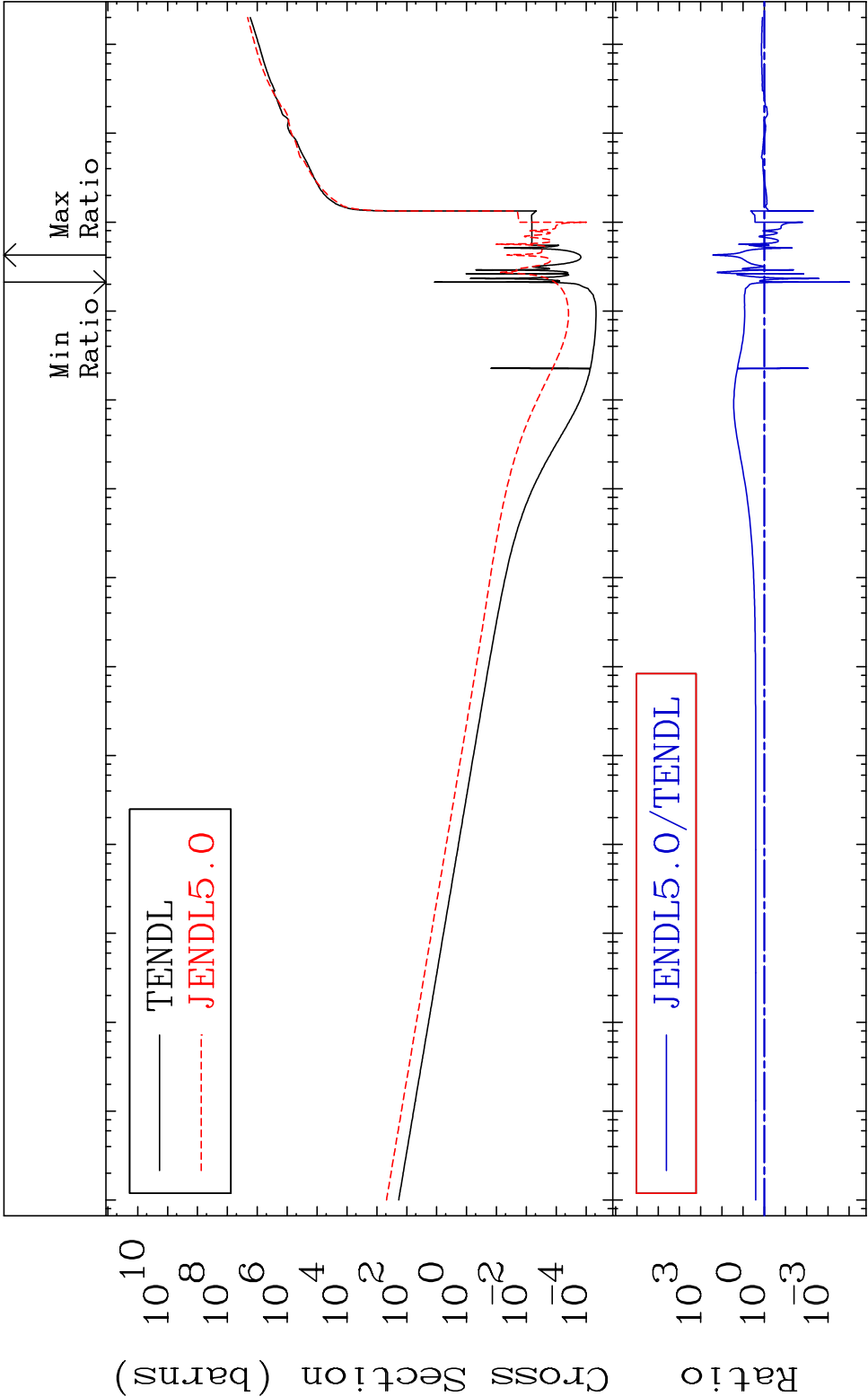


53

Incident Energy (eV)

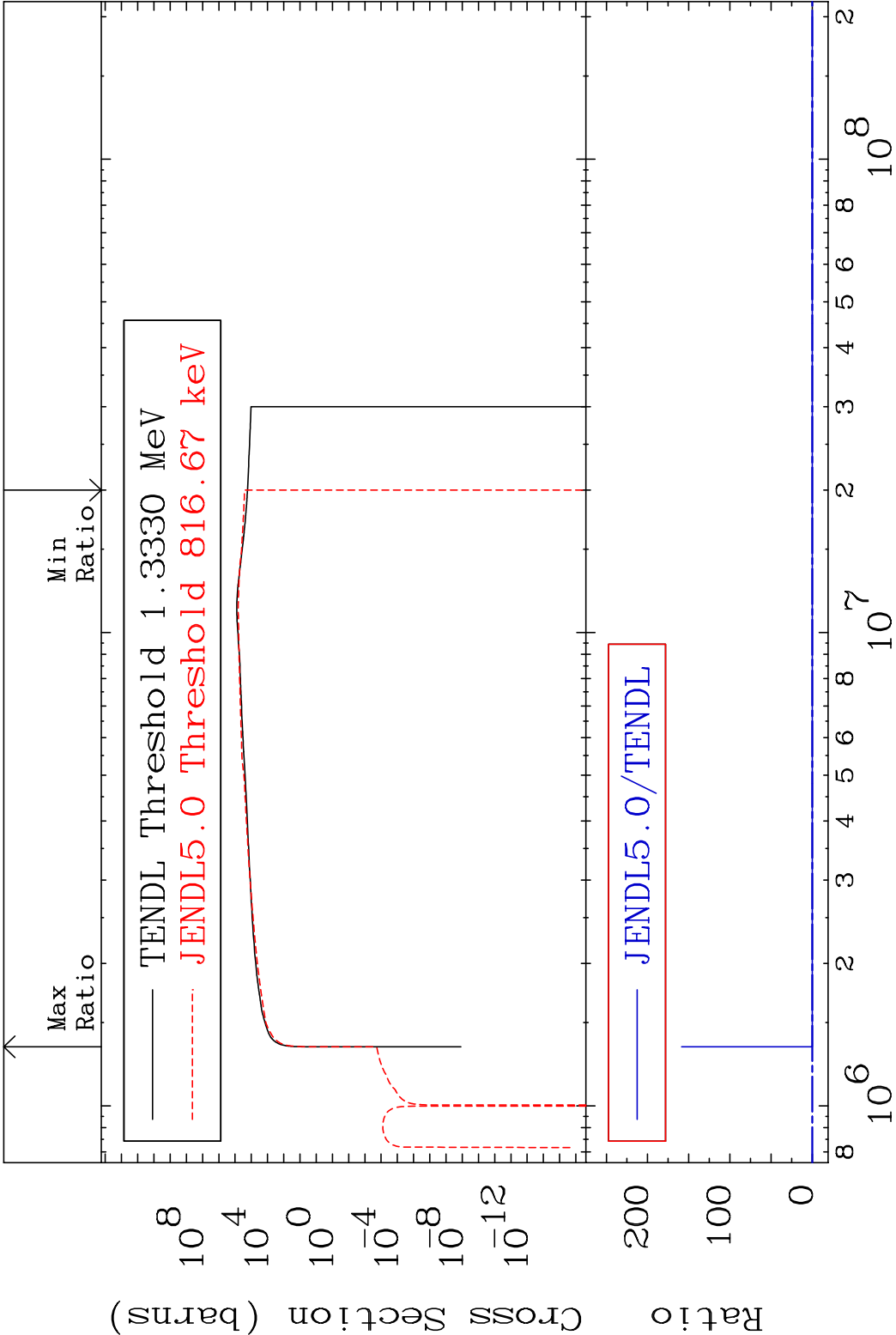
10-Ne-22

Cross Section -99.99 To 9999. %

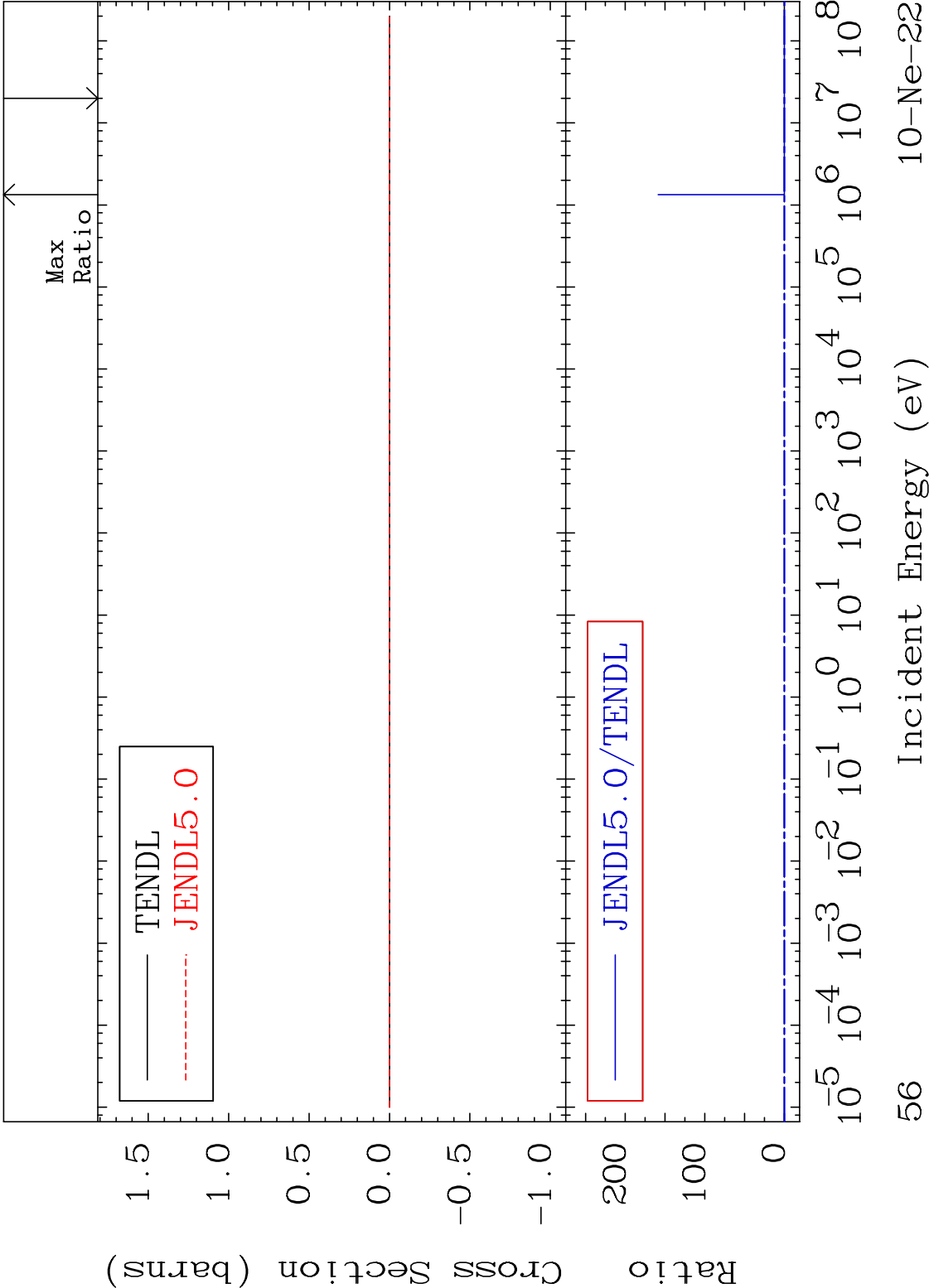


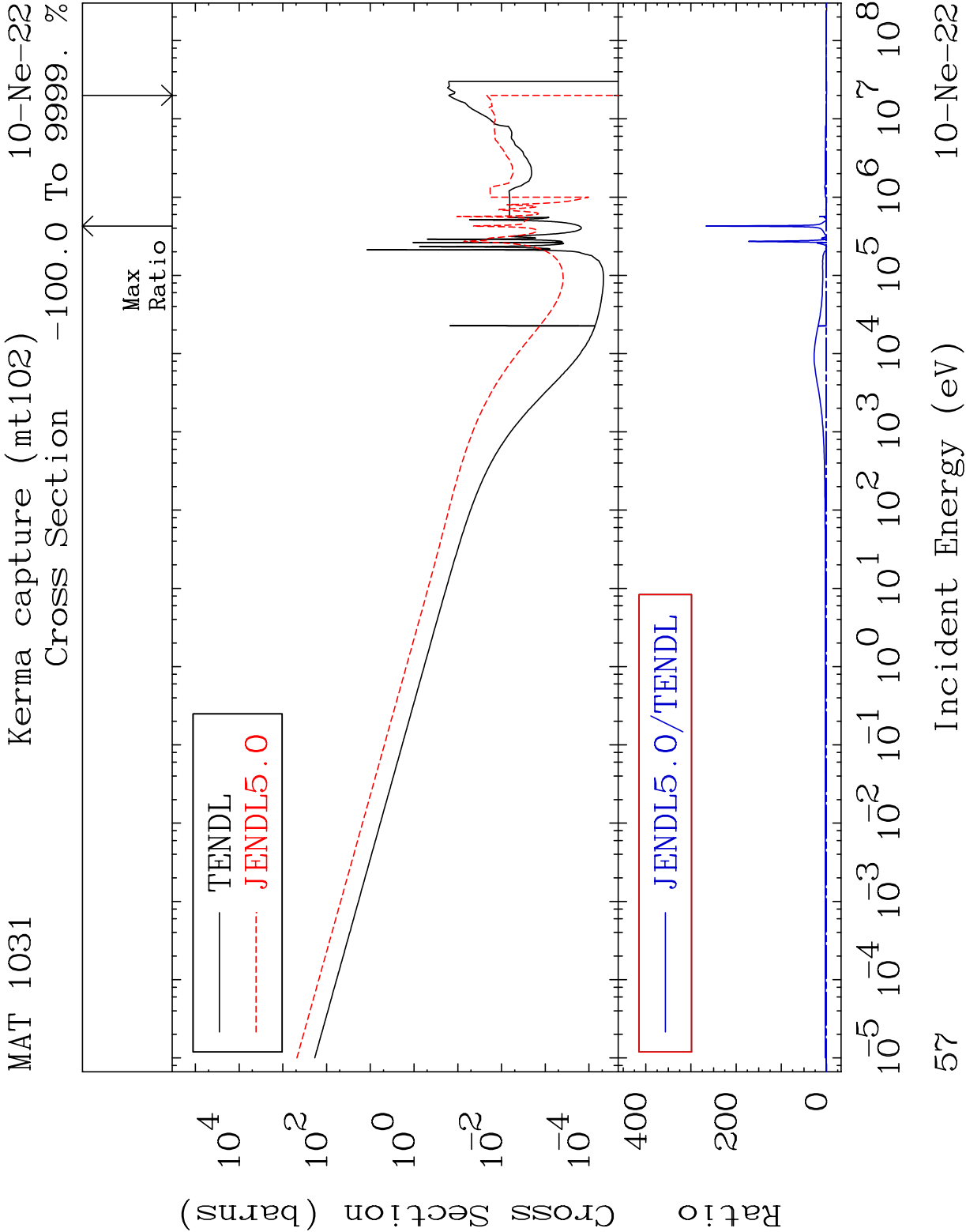
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 1031 Kerma inelastic (mt51-91) 10-Ne-22
Cross Section -100.0 To 9999. %

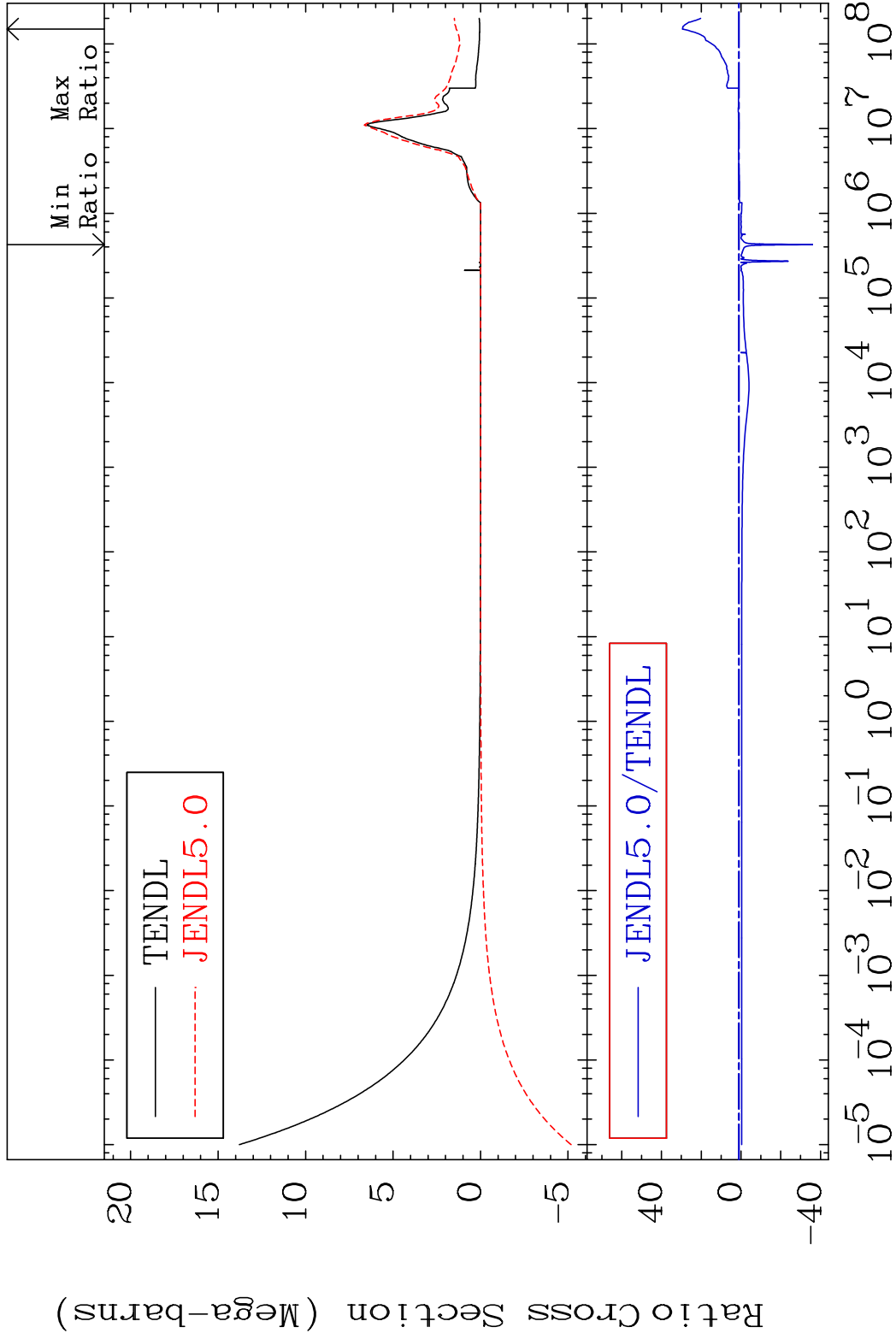


MAT 1031 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-22
Cross Section -100.0 To 9999. %

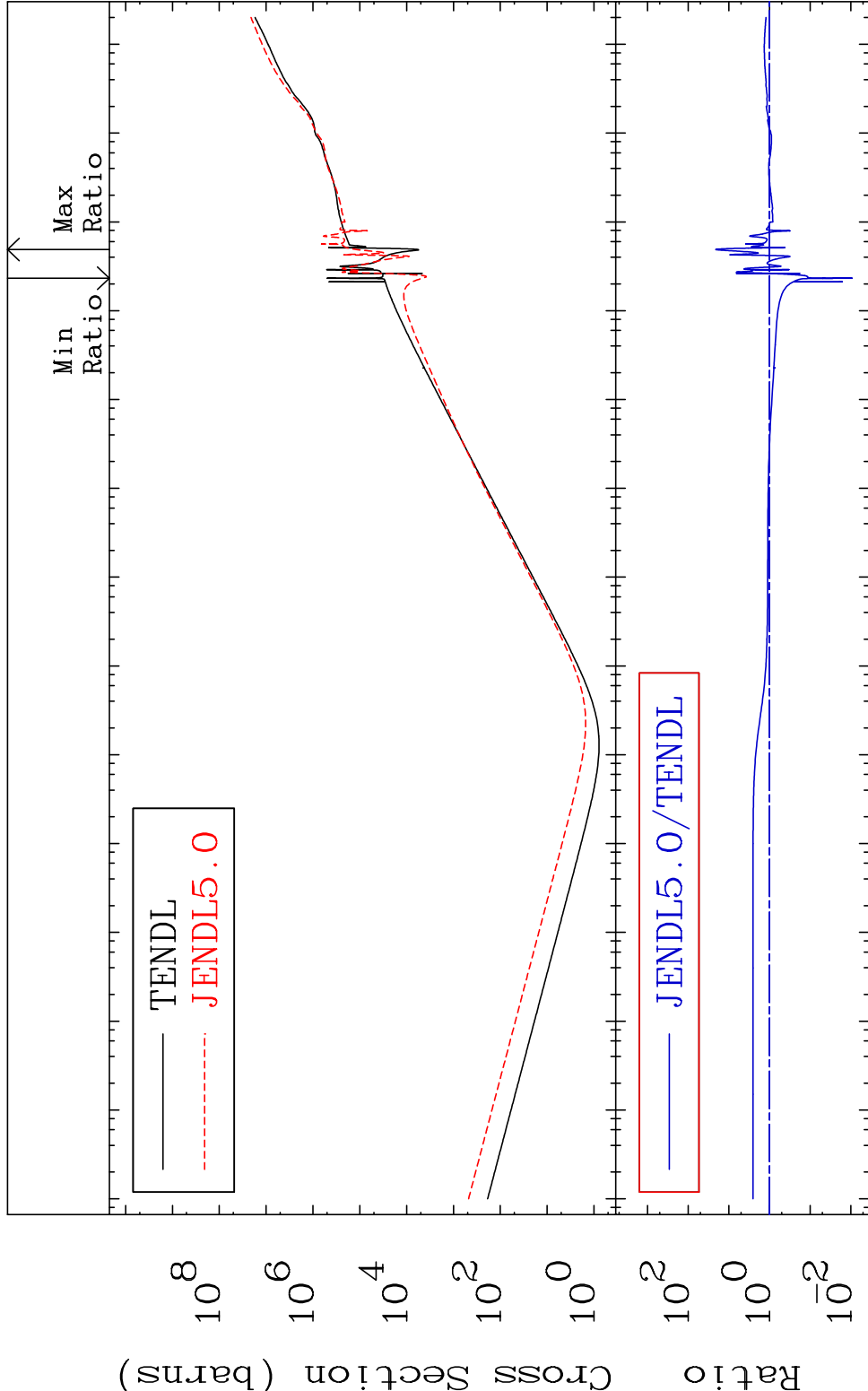




MAT 1031 Total photon (eV-barns) 10-Ne-22
Cross Section -3701. To 2848. %

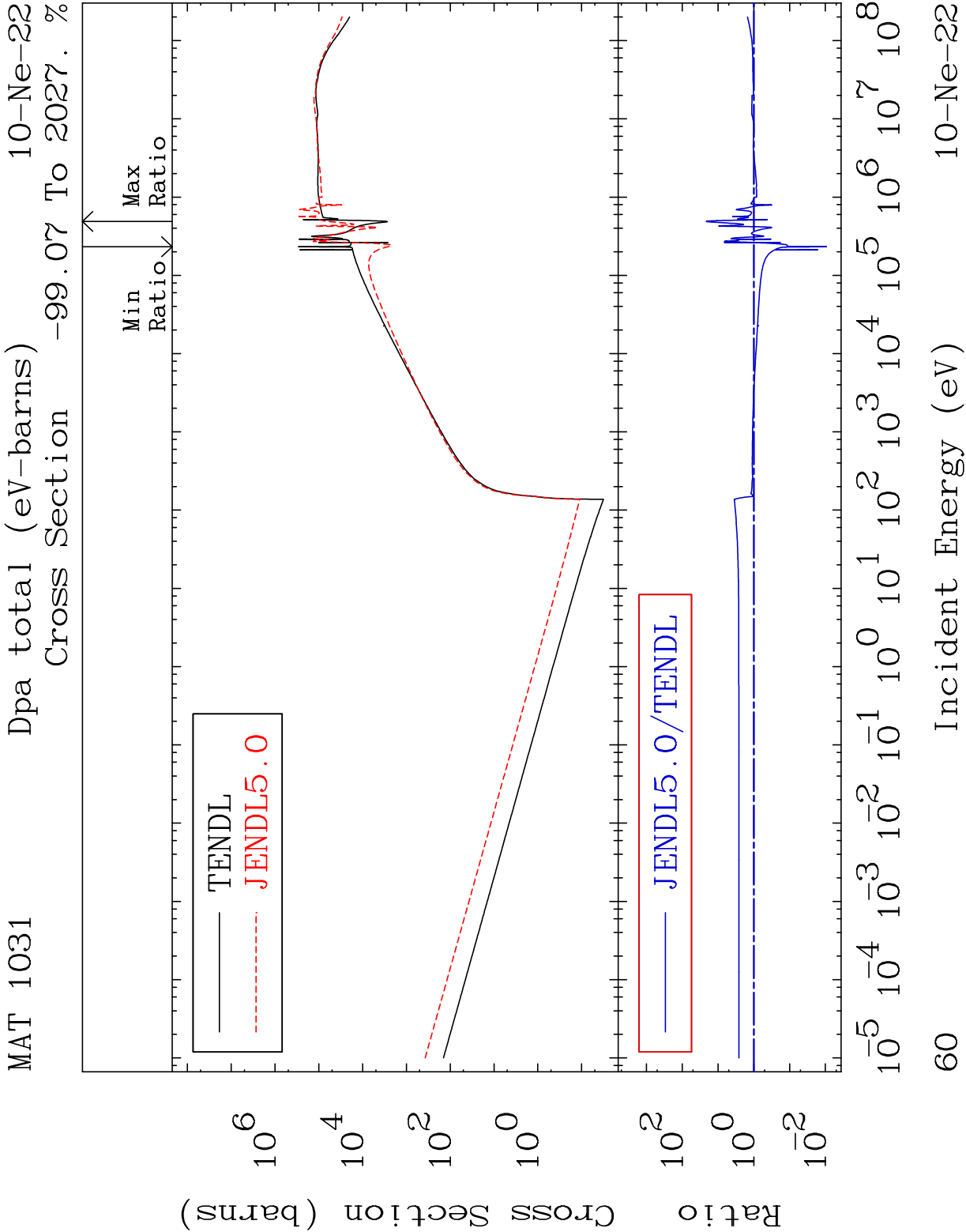


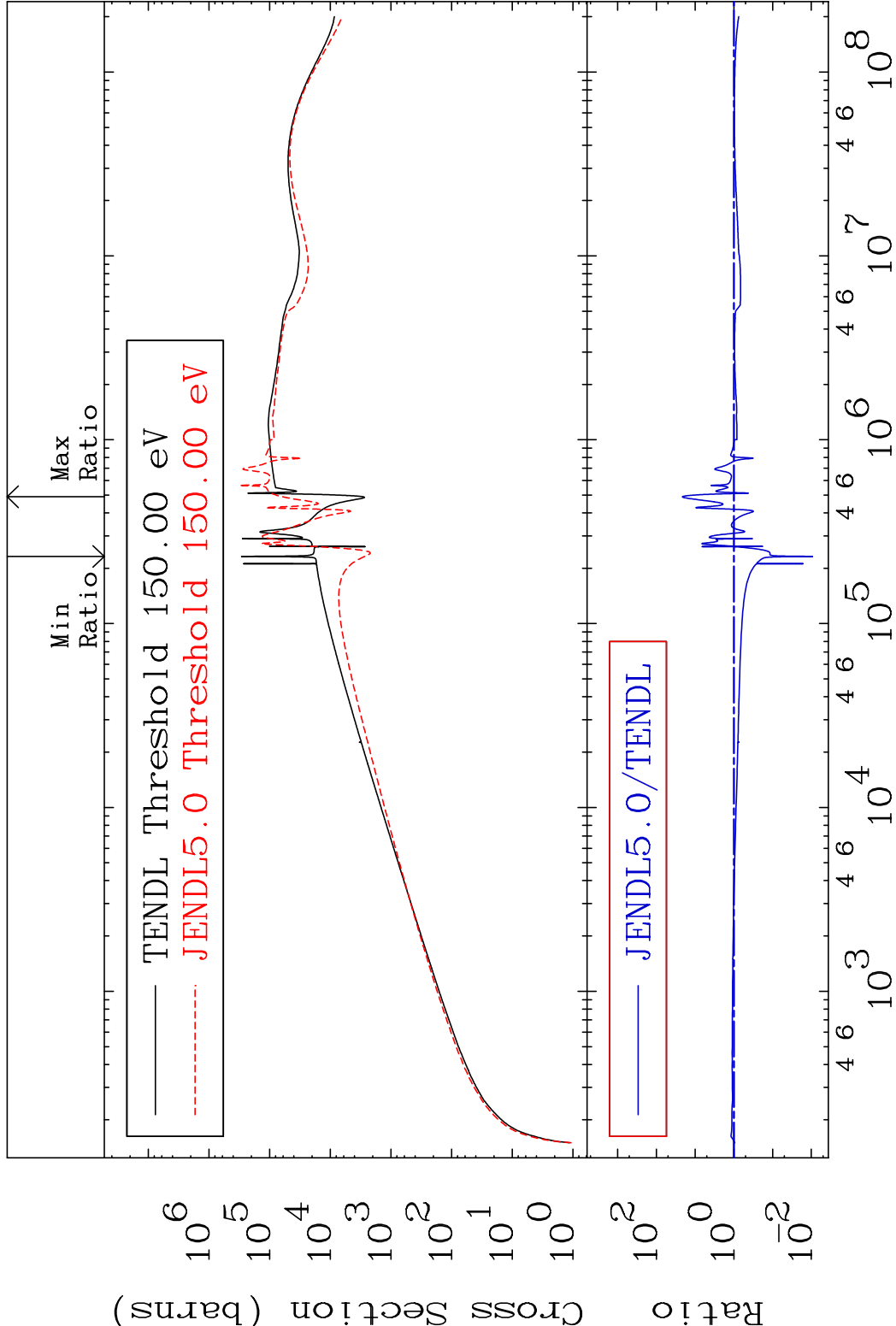
MAT 1031 Total kinematic kerma (high limit) 10-Ne-22
Cross Section -99.07 To 2010. %

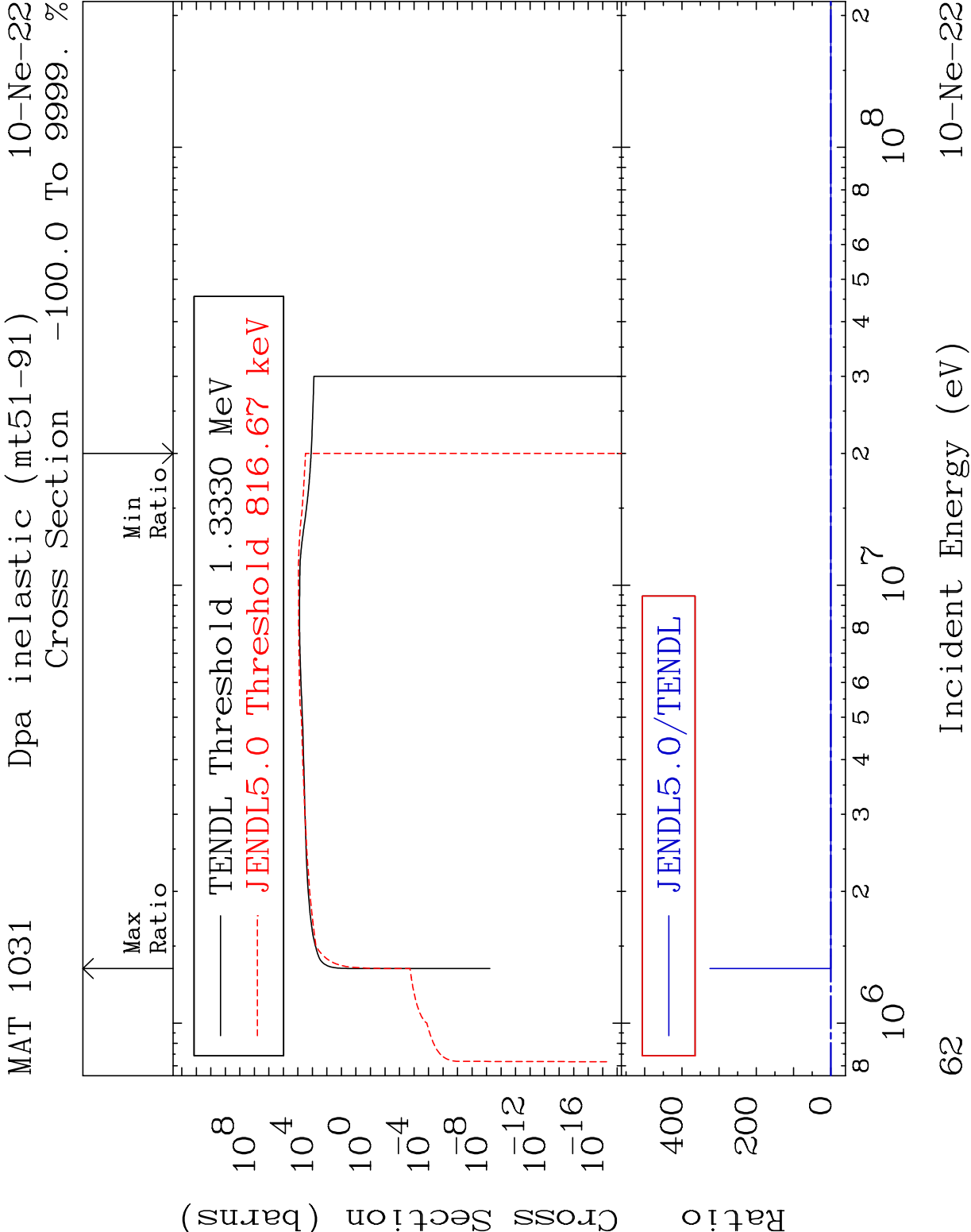


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

59 Incident Energy (eV) 10-Ne-22

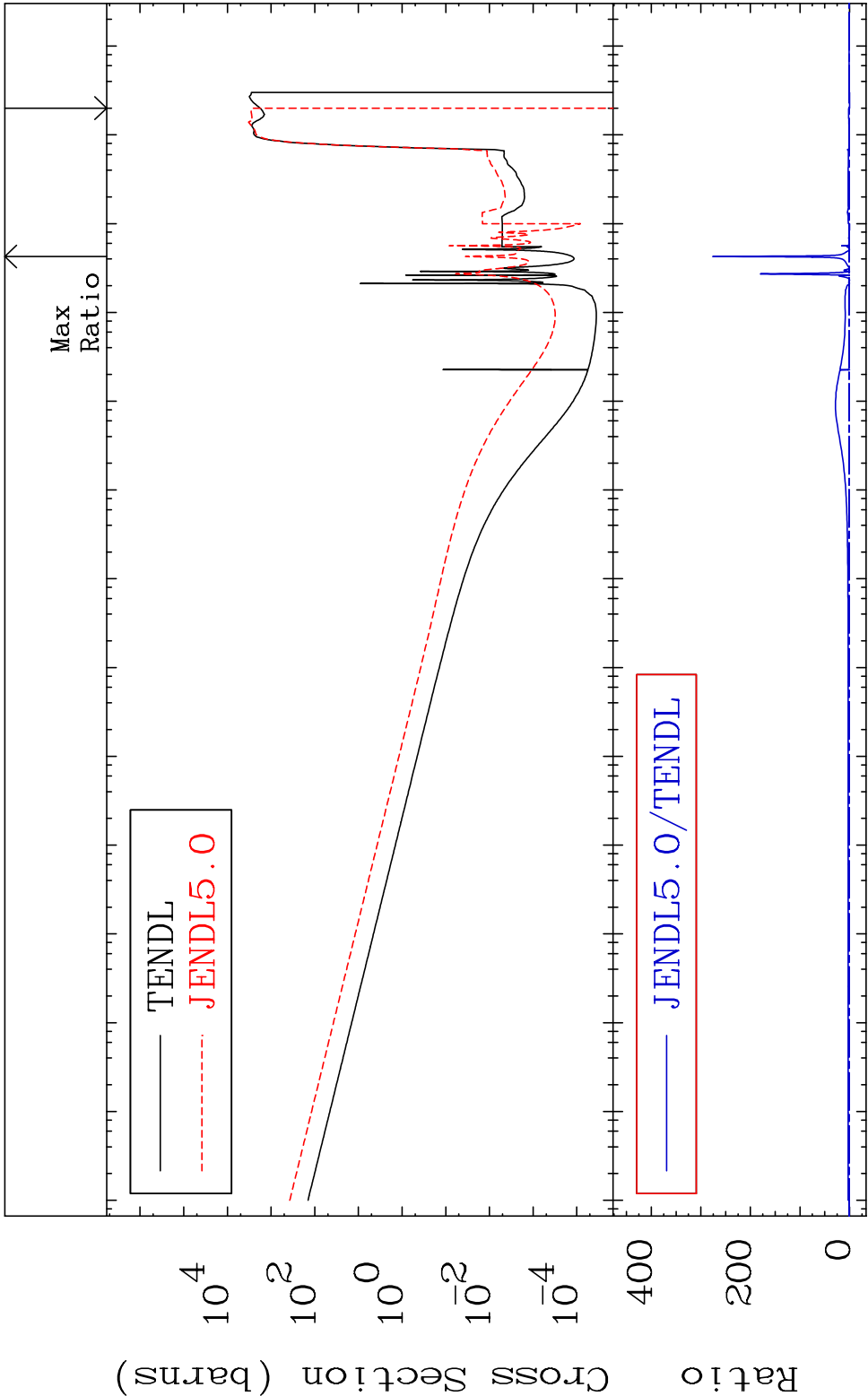






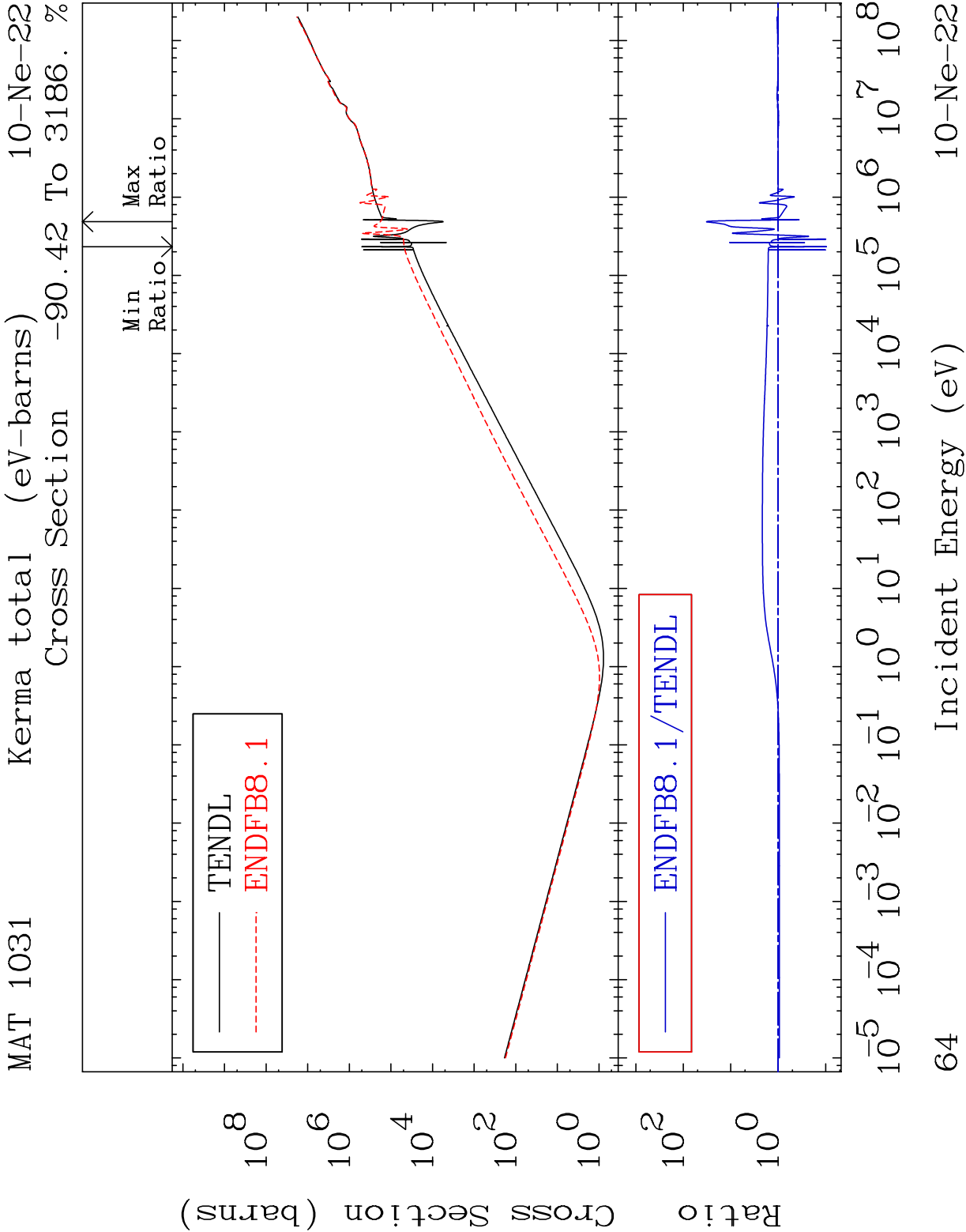
MAT 1031 Dpa disappearance (mt102 -120) 10-Ne-22

Cross Section -100.0 To 9999. %



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

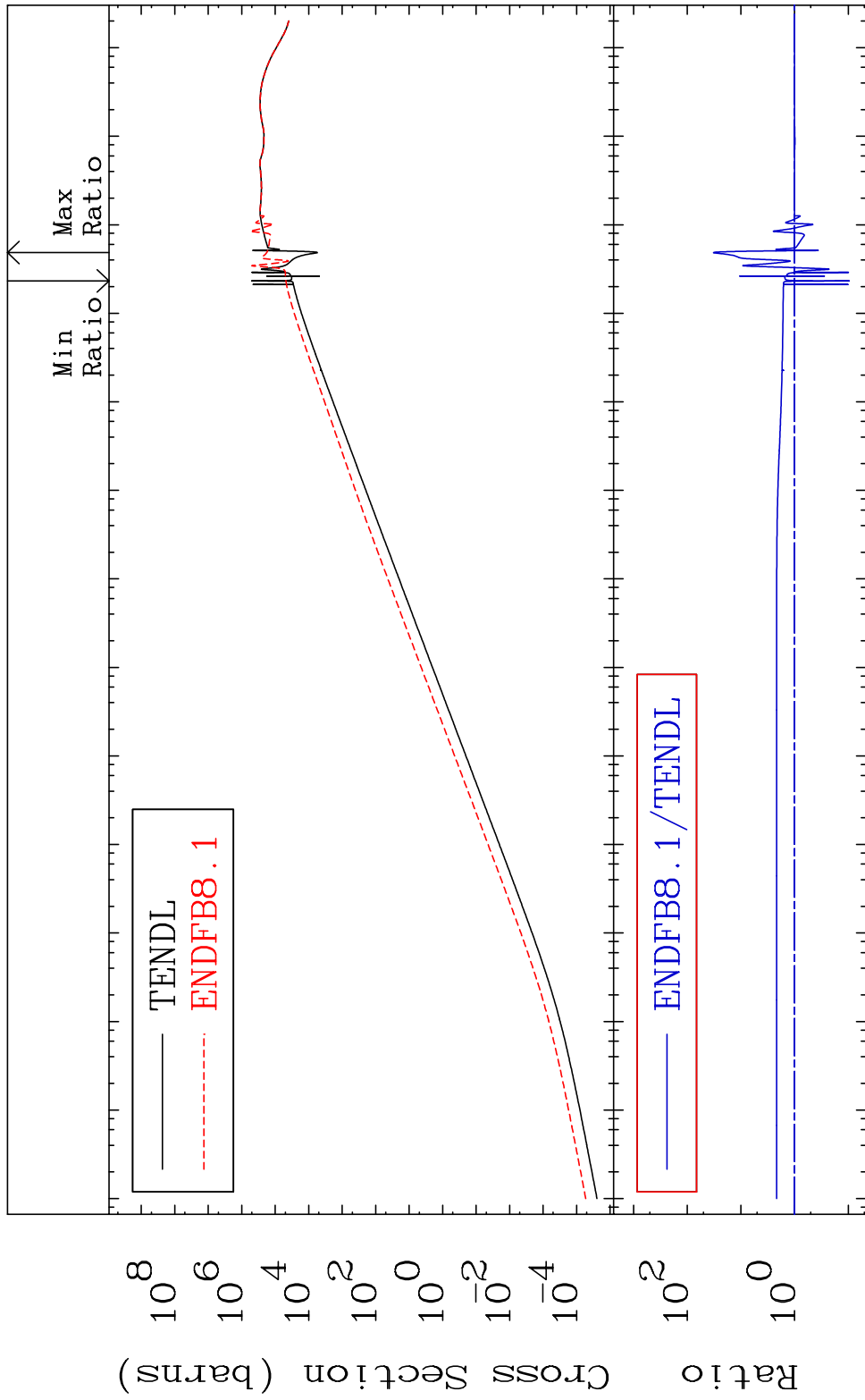
63 Incident Energy (eV) 10-Ne-22



MAT 1031

Kerma elastic
Cross Section

10-Ne-22
-90.42 To 3186. %



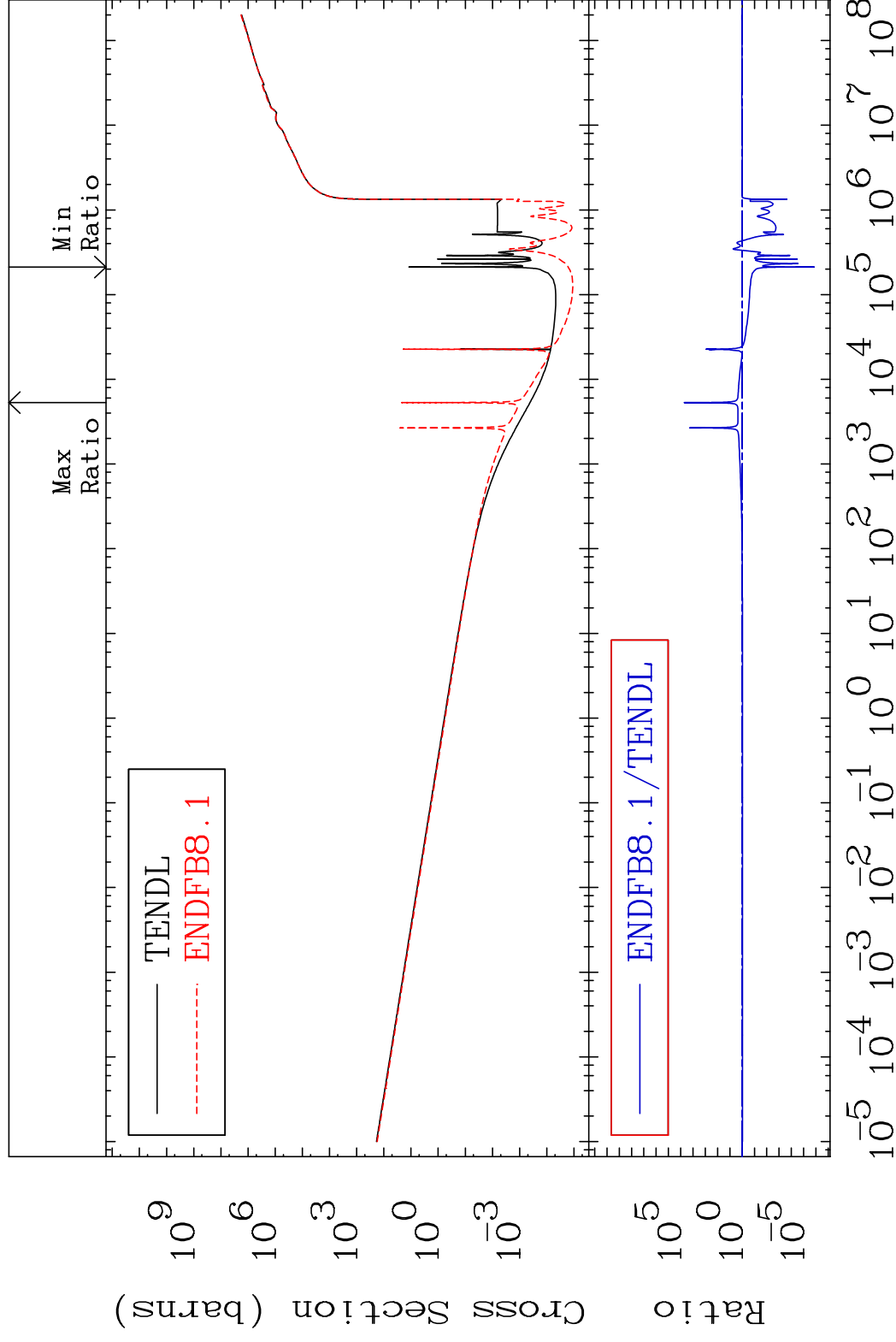
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

65

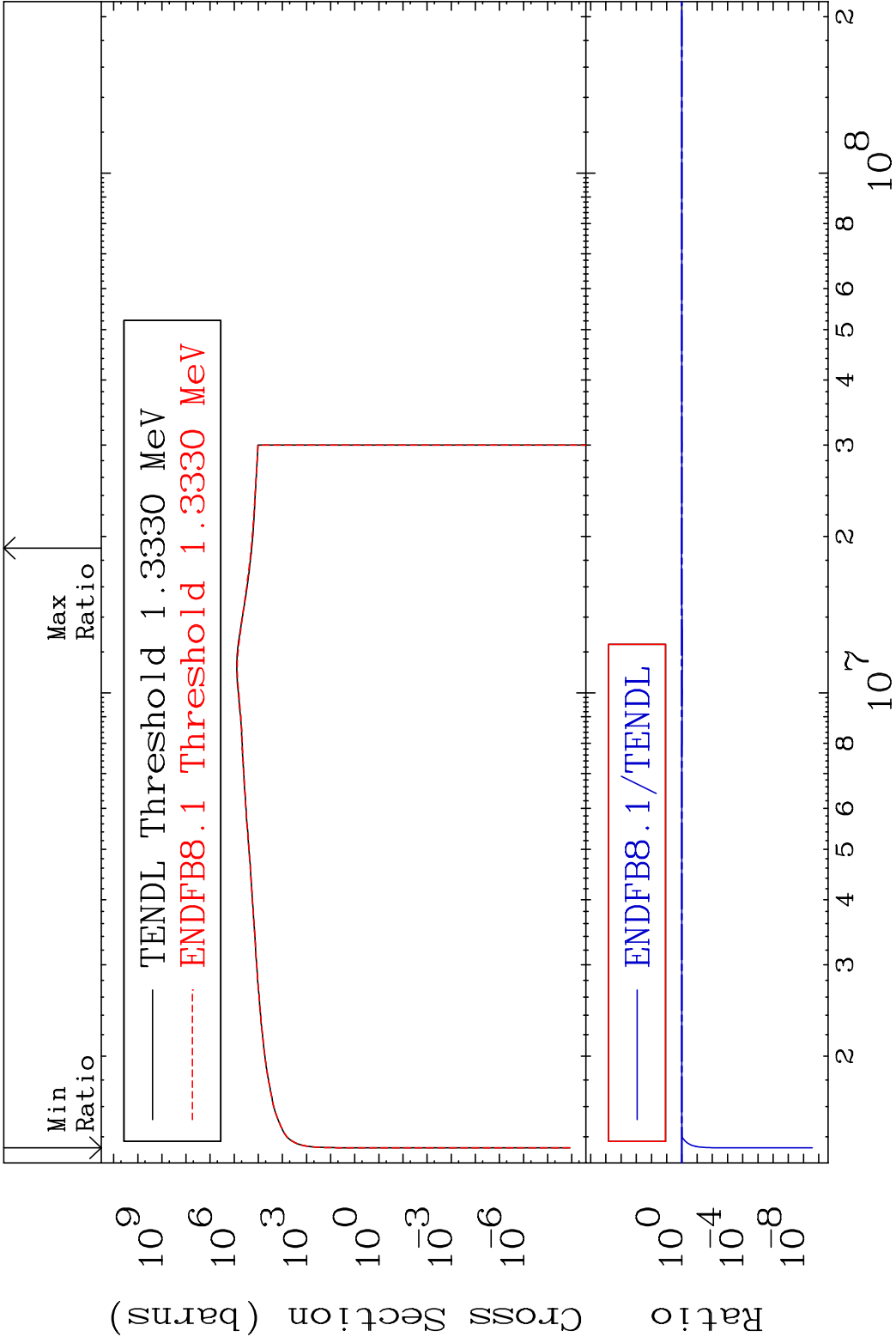
Incident Energy (eV)

10-Ne-22

MAT 1031	Kerma non-elastic (all but mt2)	10-Ne-22
	Cross Section	-100.0 To 9999. %

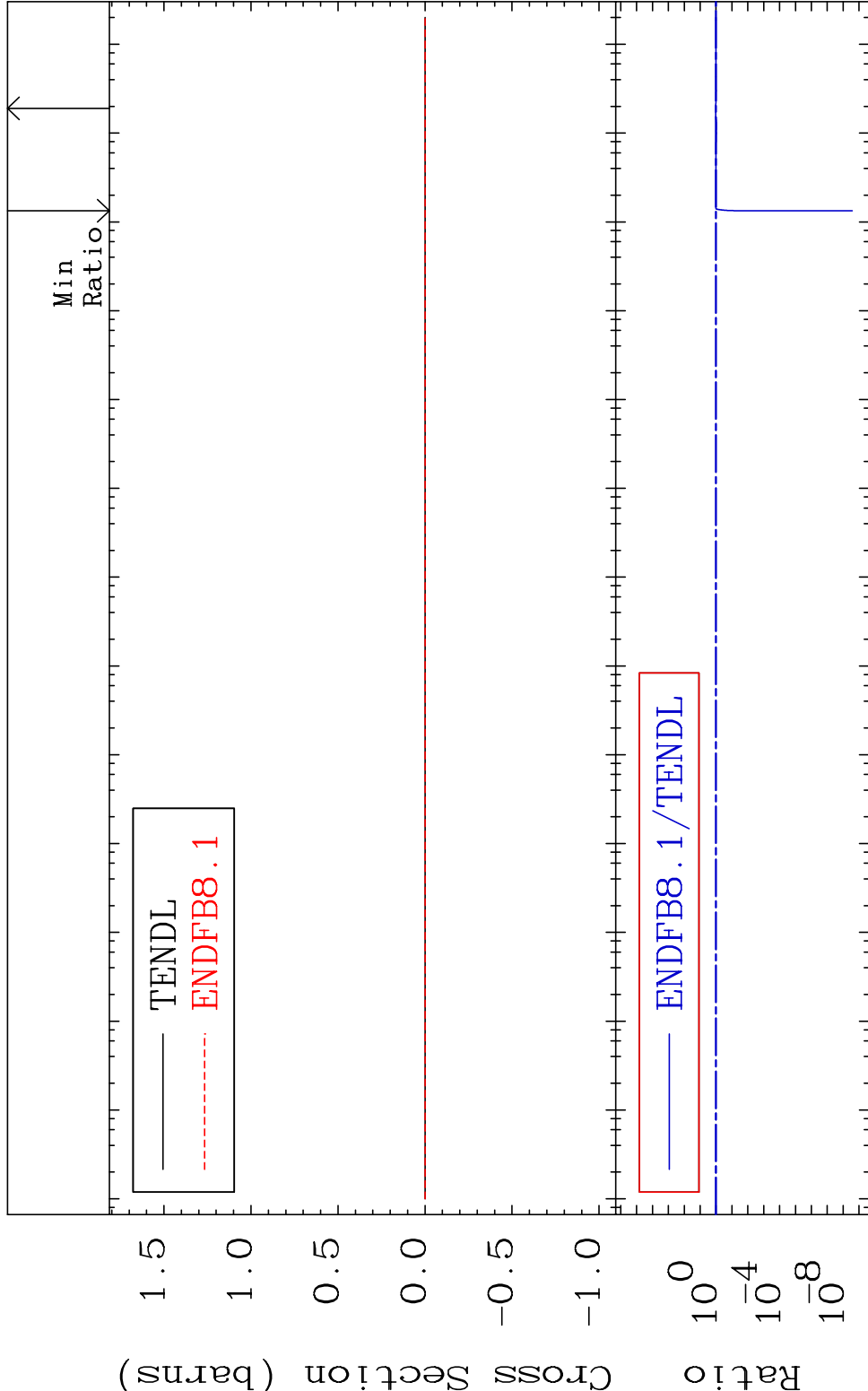


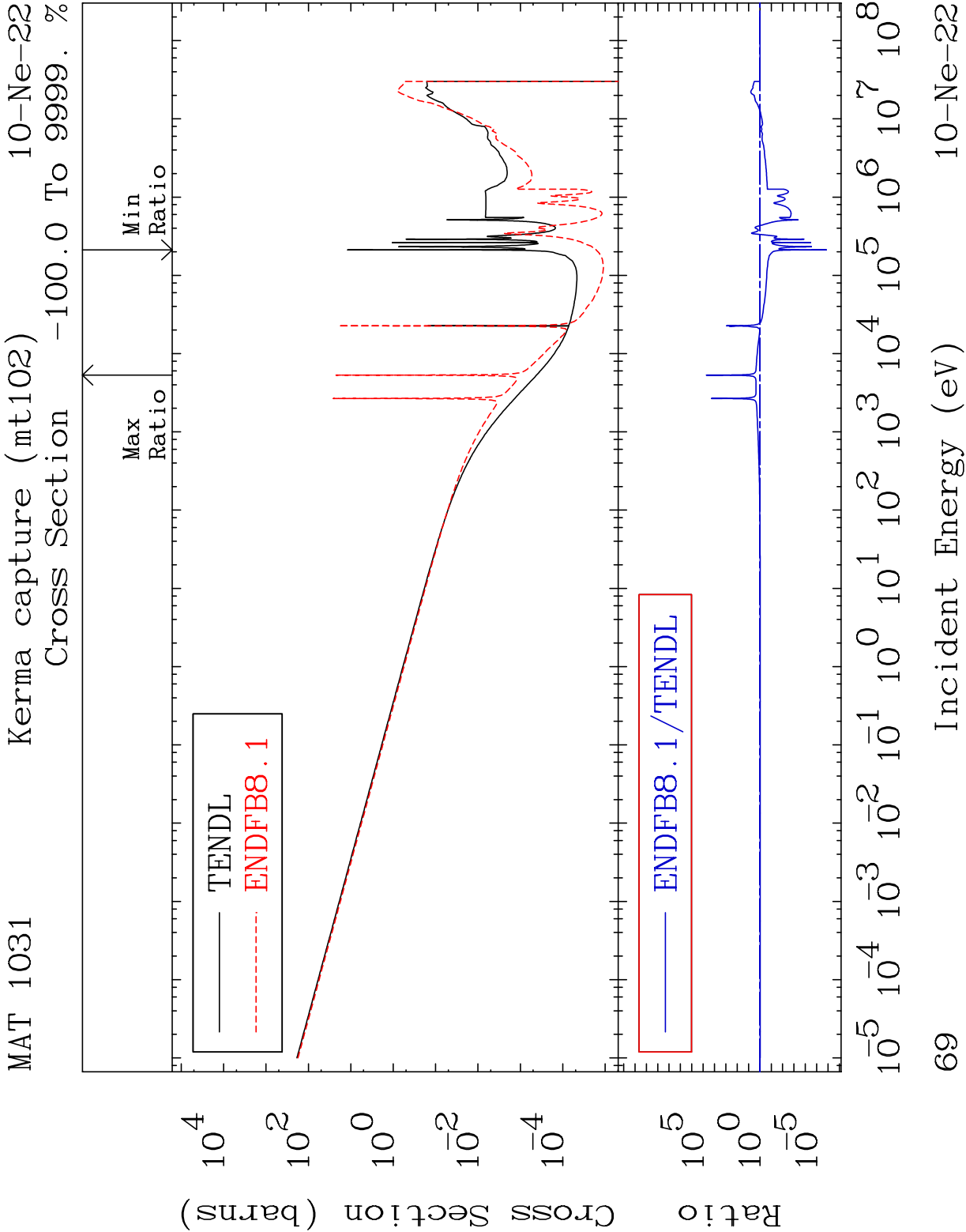
MAT 1031 Kerma inelastic (mt51-91) 10-Ne-22
Cross Section -100.0 To 5.481 %

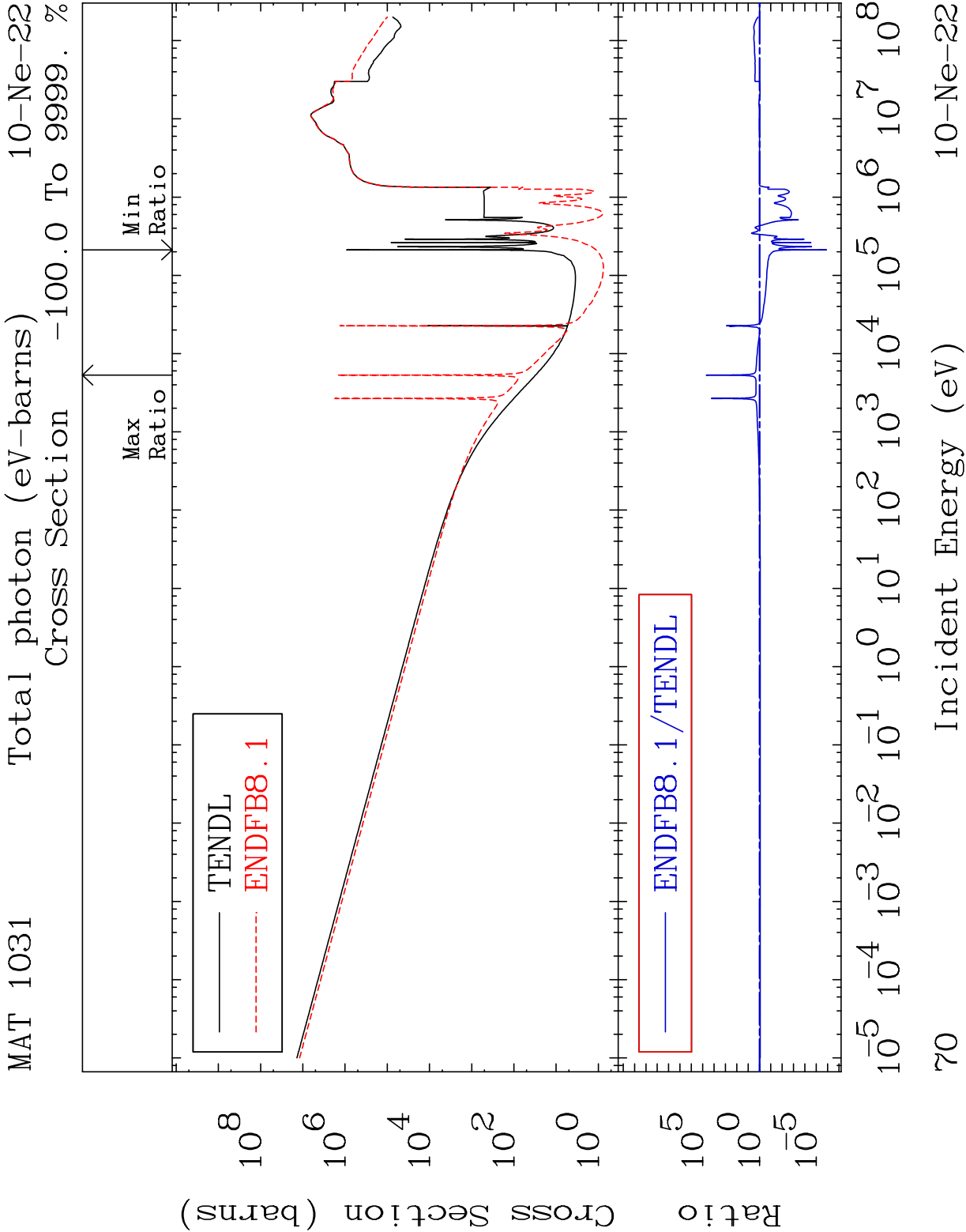


MAT 1031 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-22

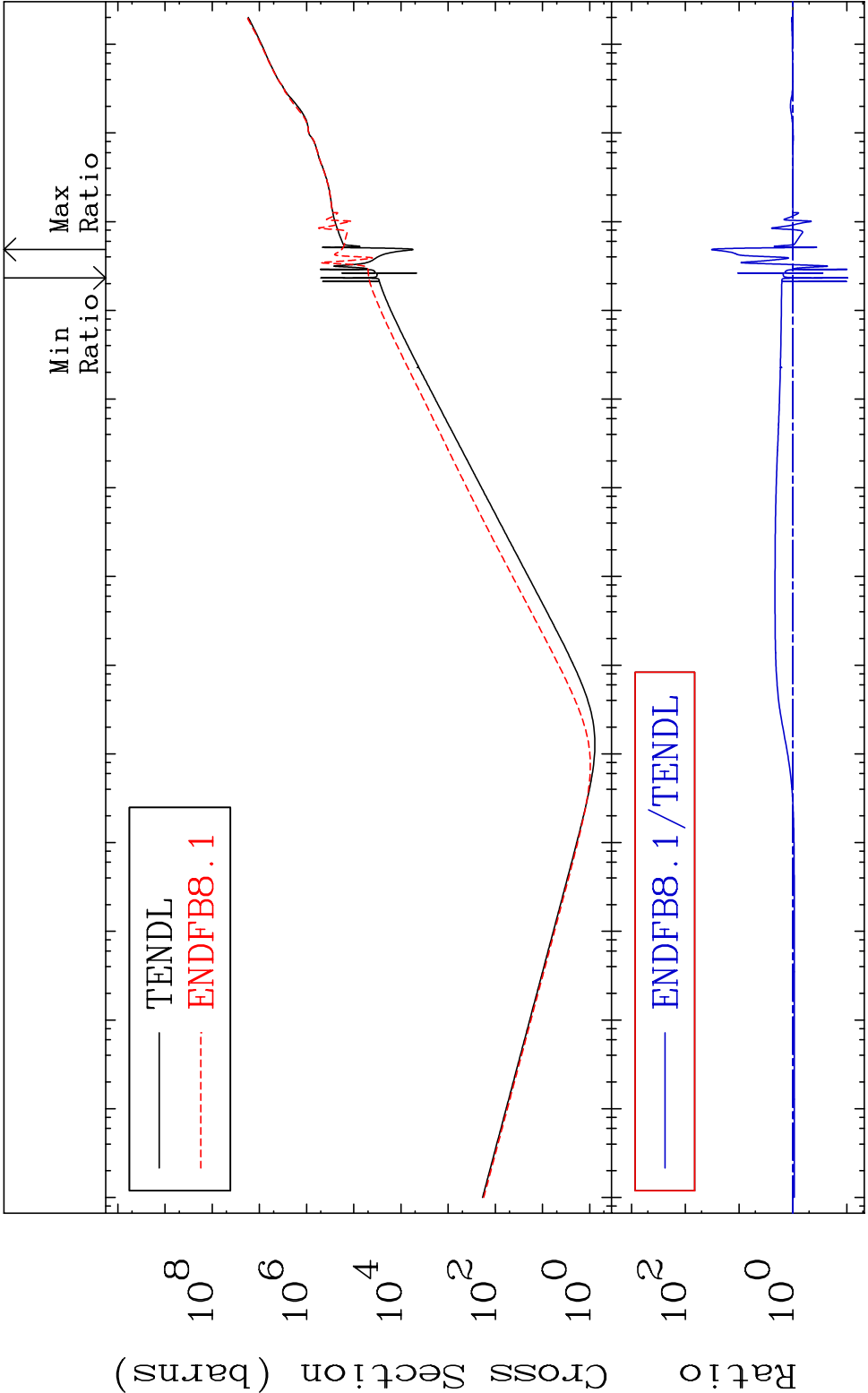
Cross Section -100.0 To 5.481 %







MAT 1031 Total kinematic kerma (high limit) 10-Ne-22
Cross Section -90.42 To 3186. %



71 Incident Energy (eV) 10-Ne-22

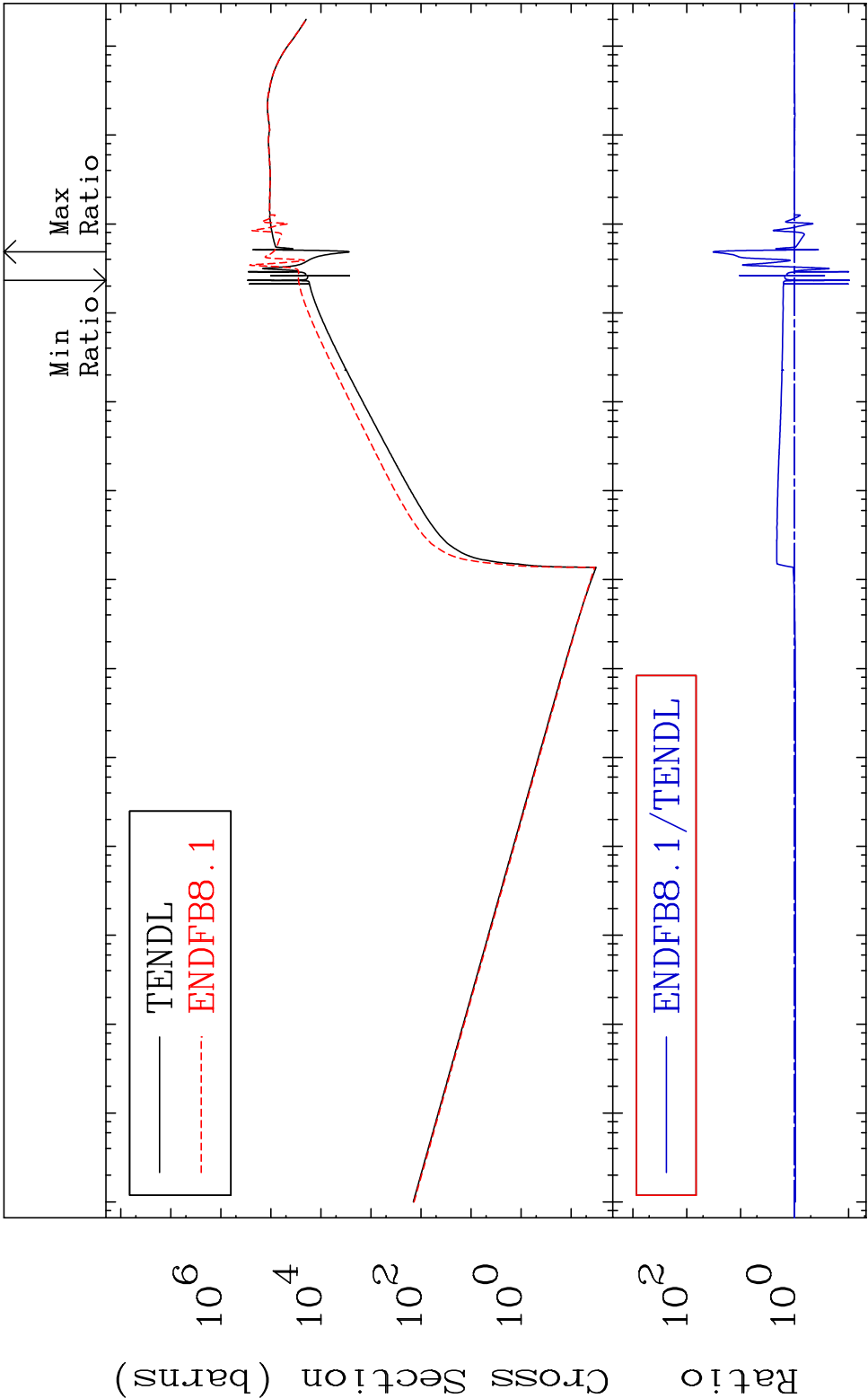
MAT 1031

Dpa total (eV-barns)

10-Ne-22

Cross Section

-90.42 To 3186. %



72

Incident Energy (eV)

10-Ne-22

10⁻⁵

10⁻⁴

10⁻³

10⁻²

10⁻¹

10⁰

10¹

10²

10³

10⁴

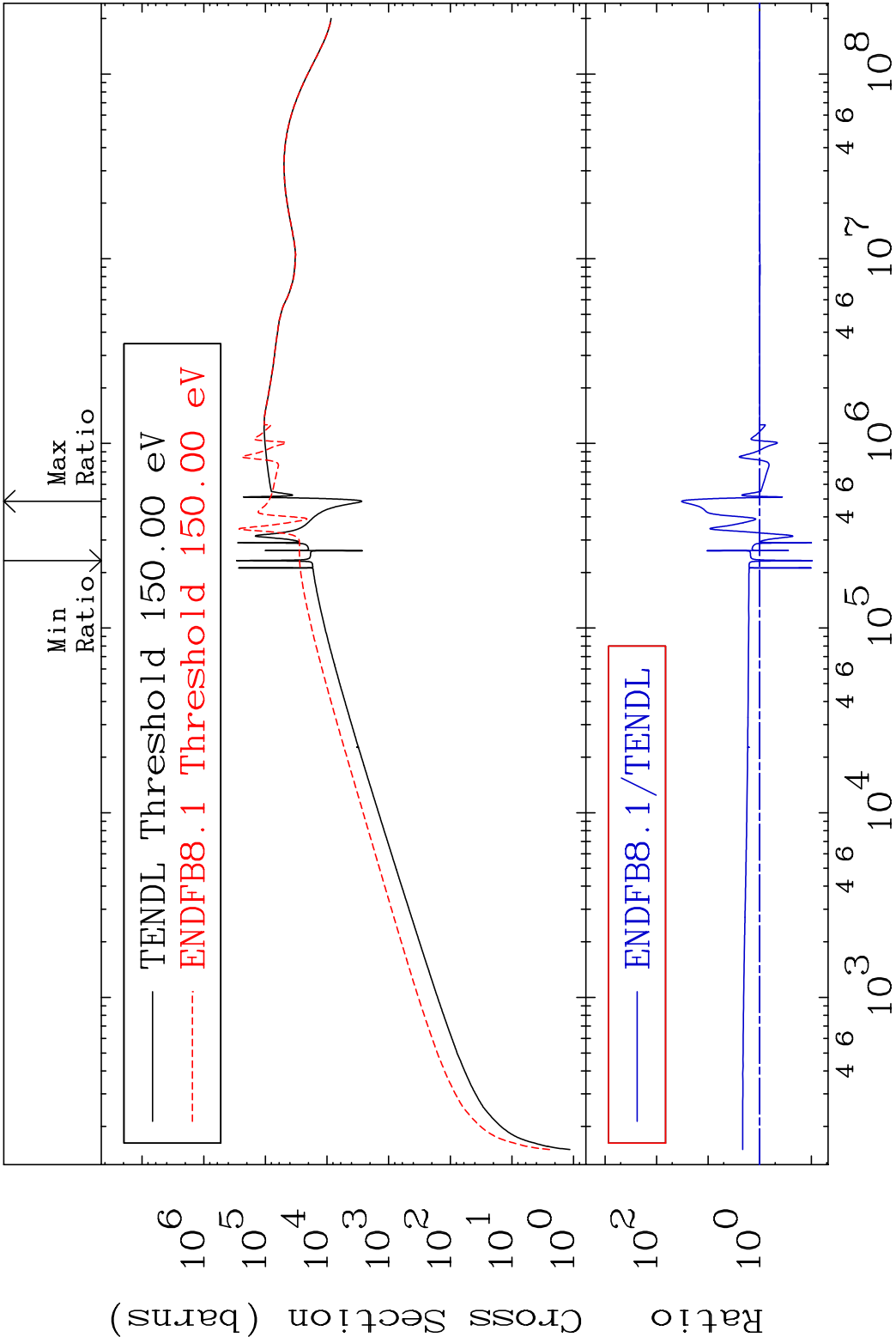
10⁵

10⁶

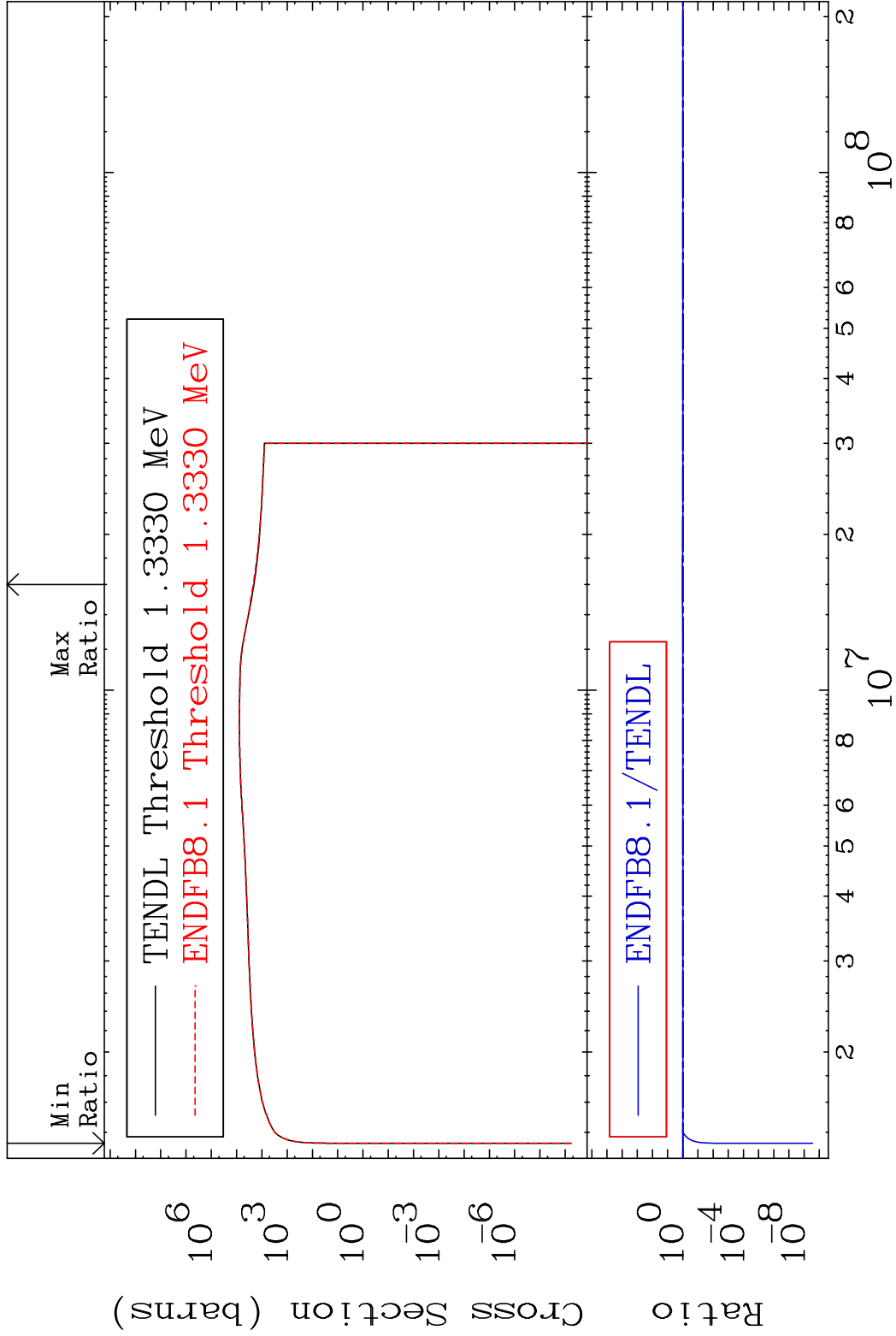
10⁷

10⁸

MAT 1031 Dpa elastic (mt2) 10-Ne-22
 Cross Section -90.42 To 3186. %

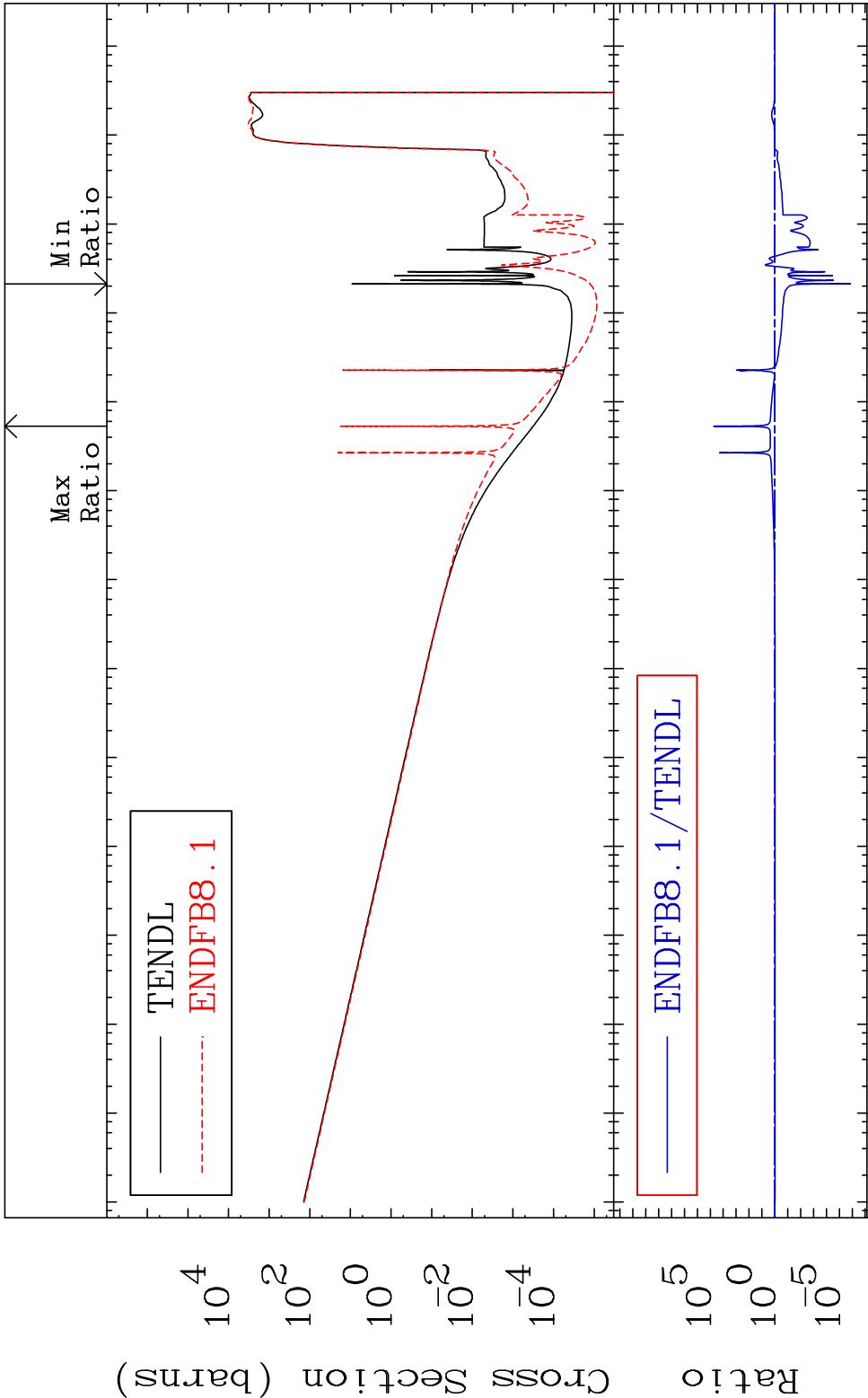


MAT 1031 Dpa inelastic (mt51-91) 10-Ne-22
Cross Section -100.0 To 6.979 %



MAT 1031 Dpa disappearance (mt102 -120) 10-Ne-22

Cross Section -100.0 To 9999. %



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

75 Incident Energy (eV) 10-Ne-22