

Program Complot
(Version 2021-1)

by

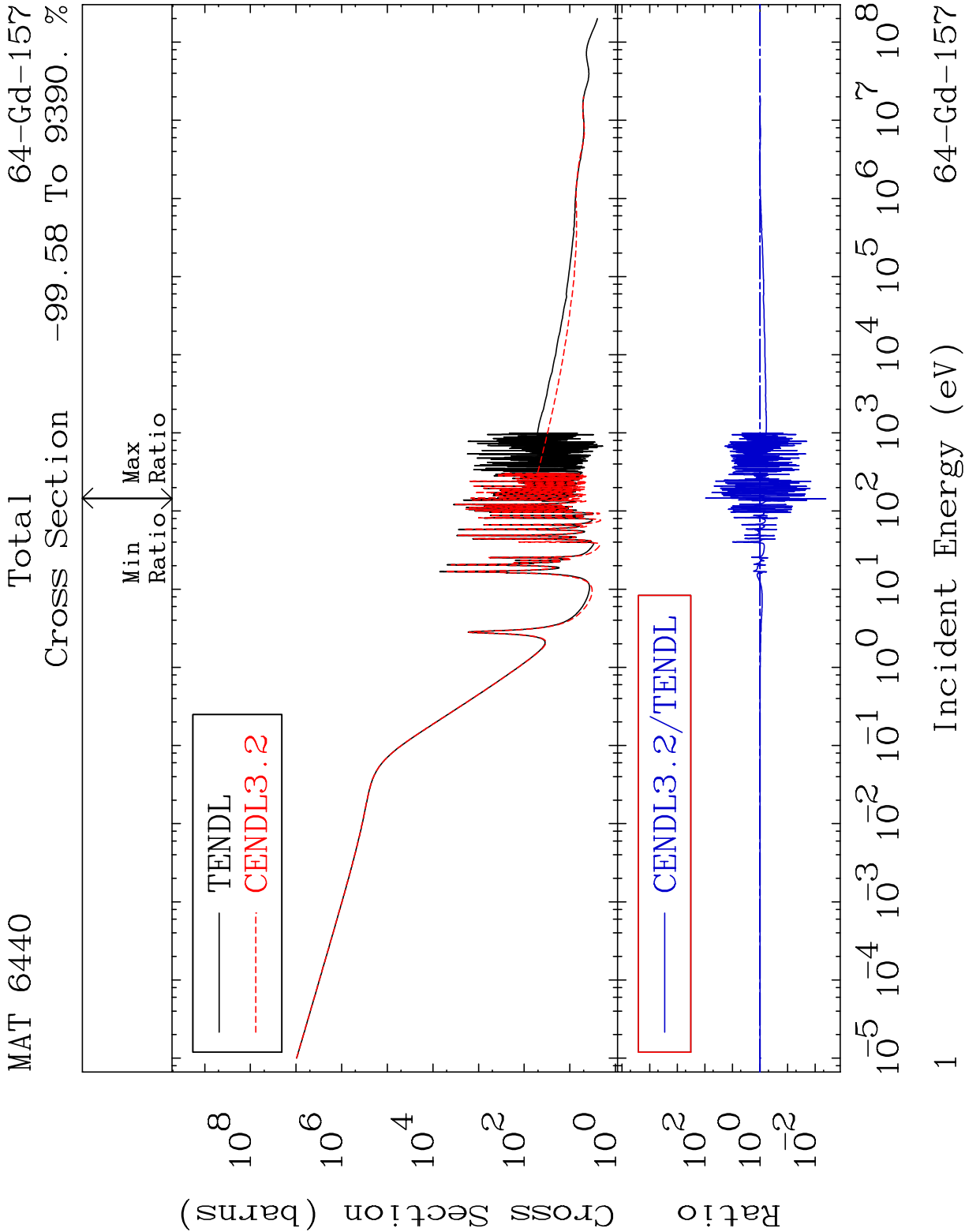
Dermott E. Cullen
(Present Contact Information)

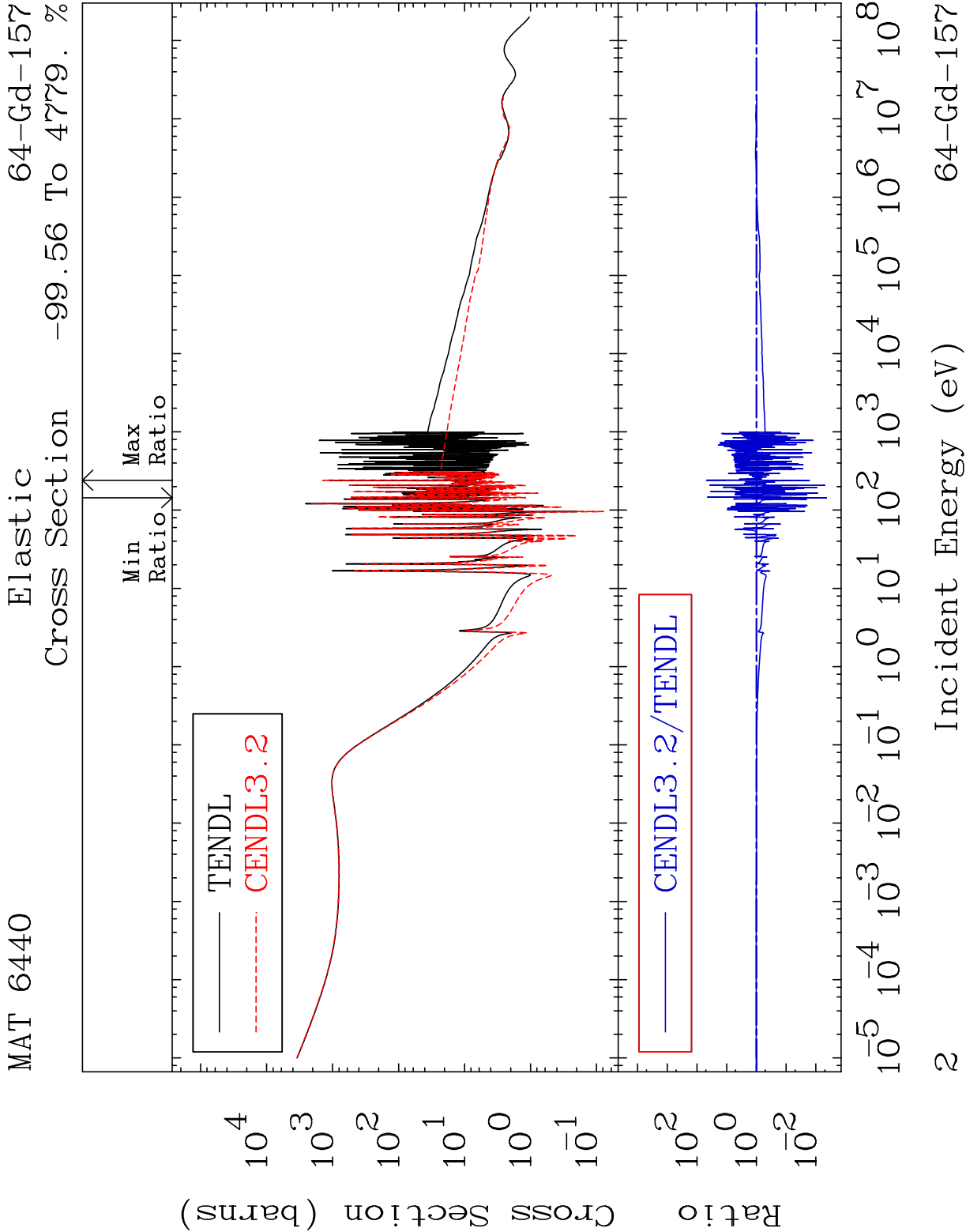
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

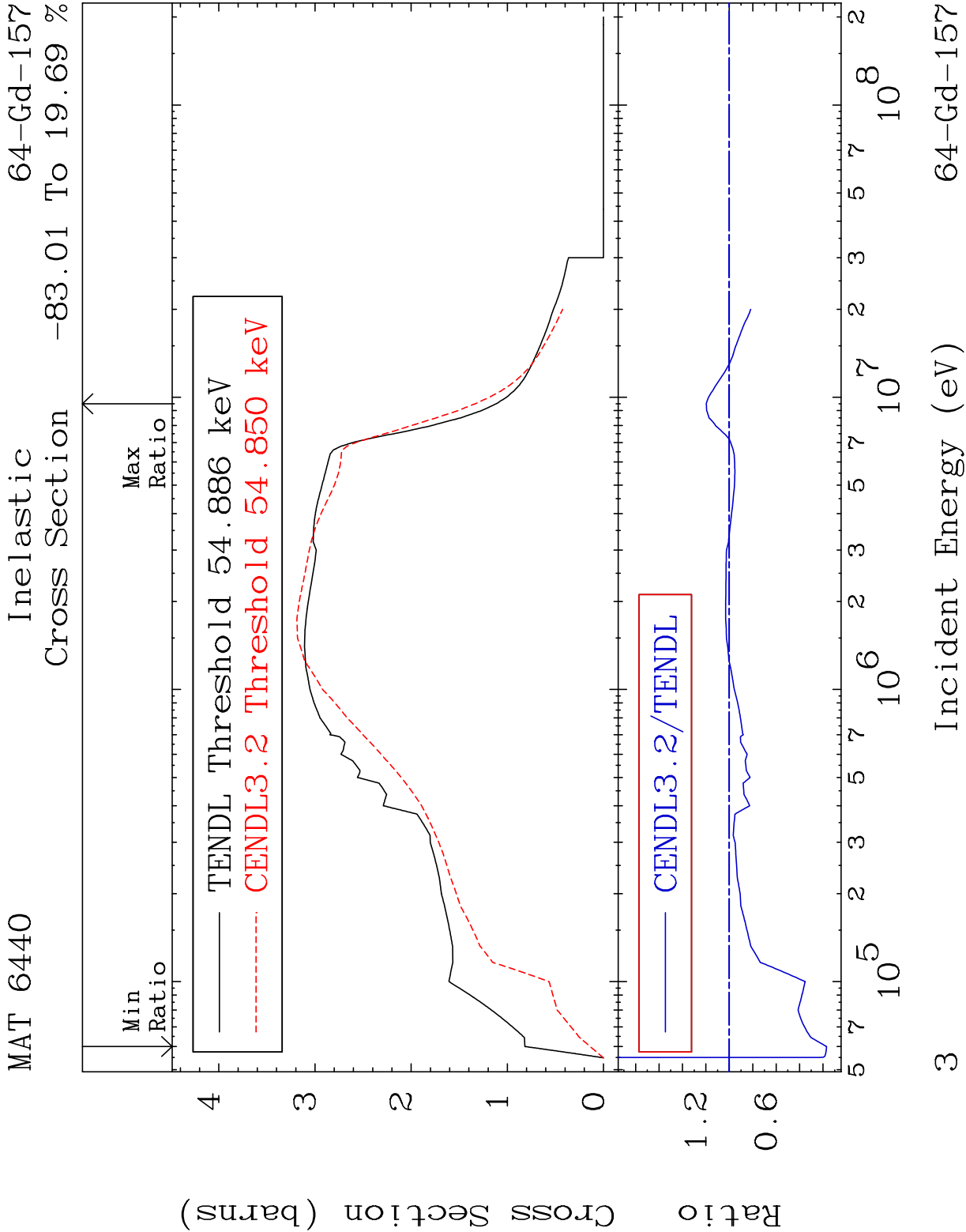
Tele: 925-443-1911

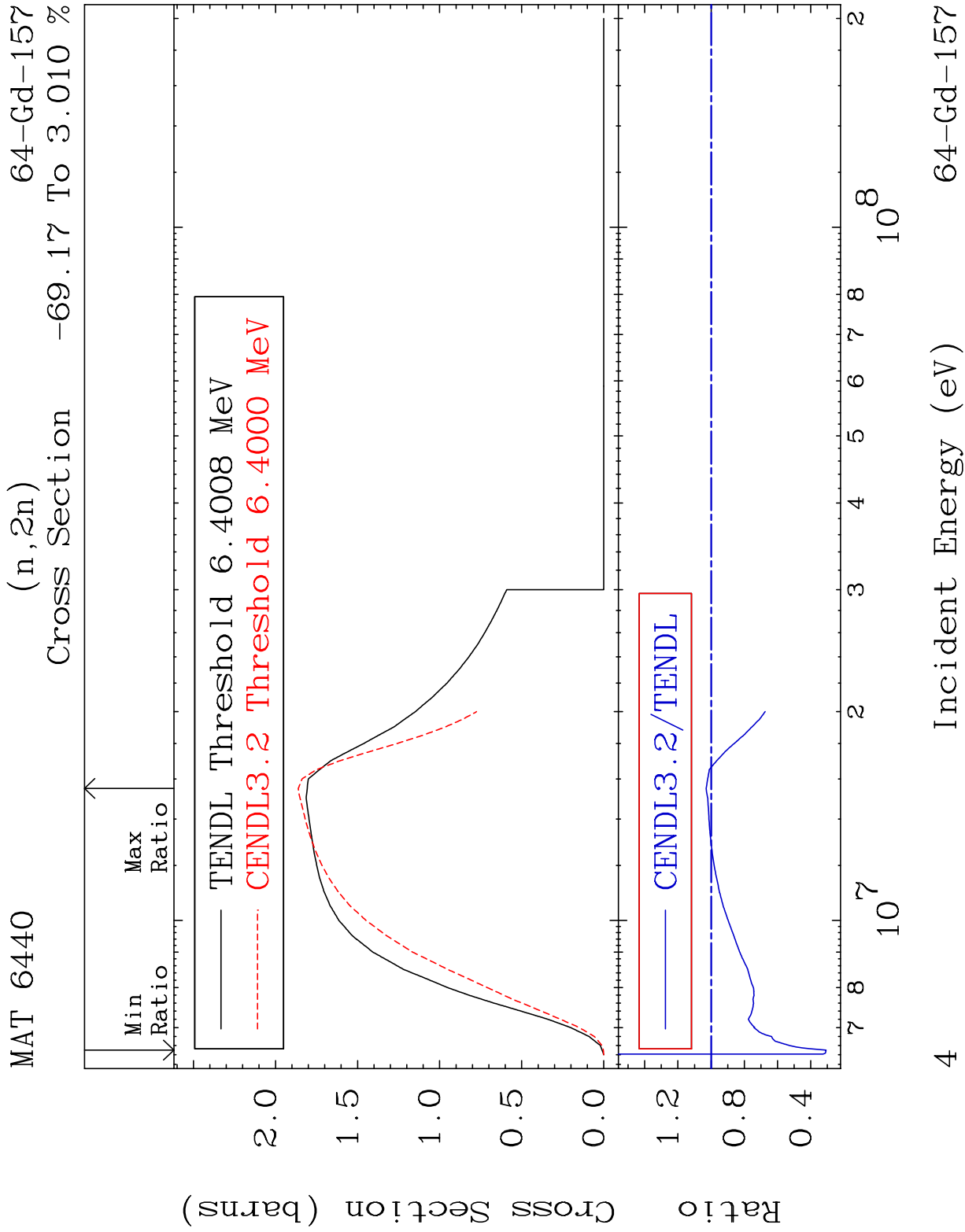
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

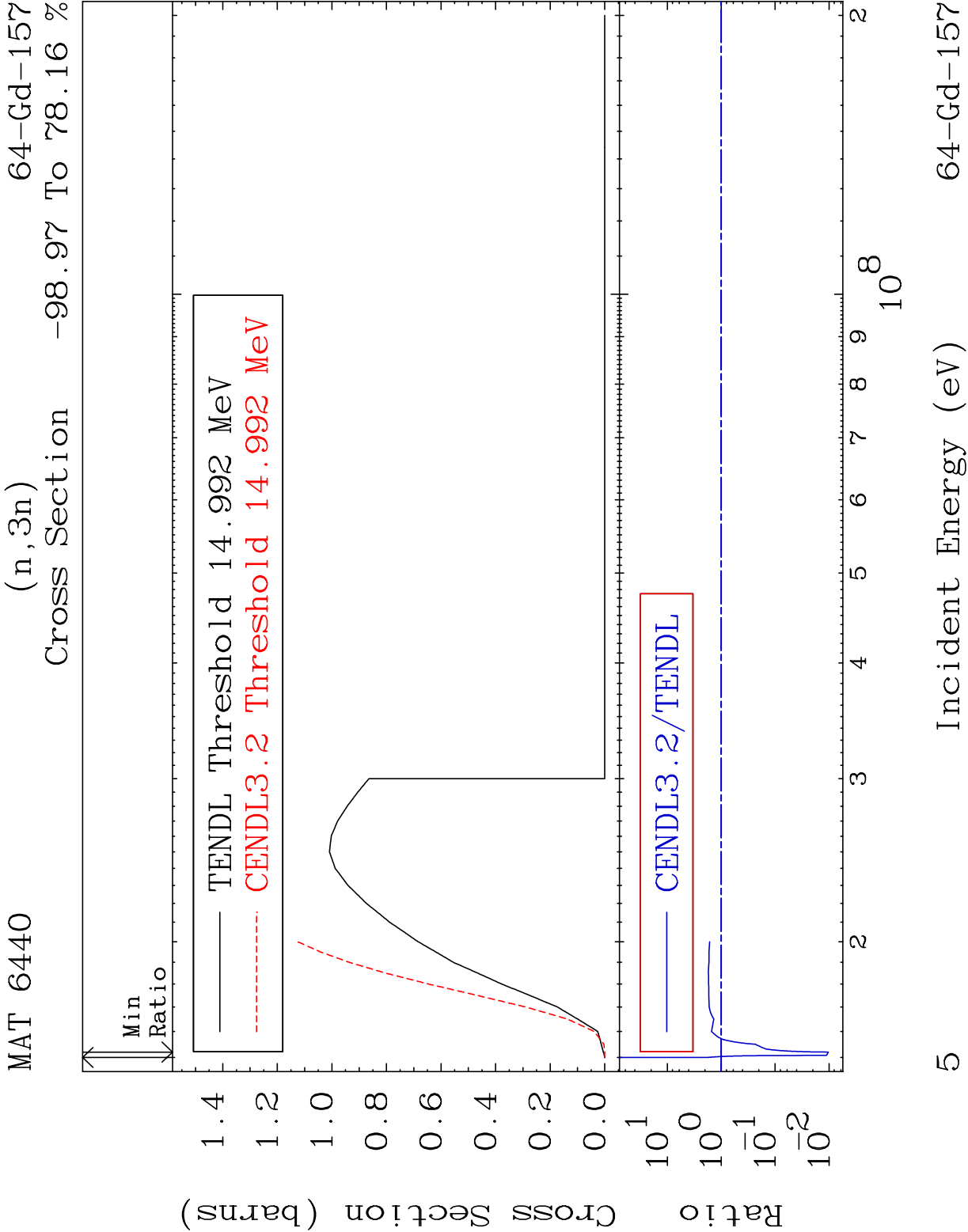
Press Mouse Button to Start

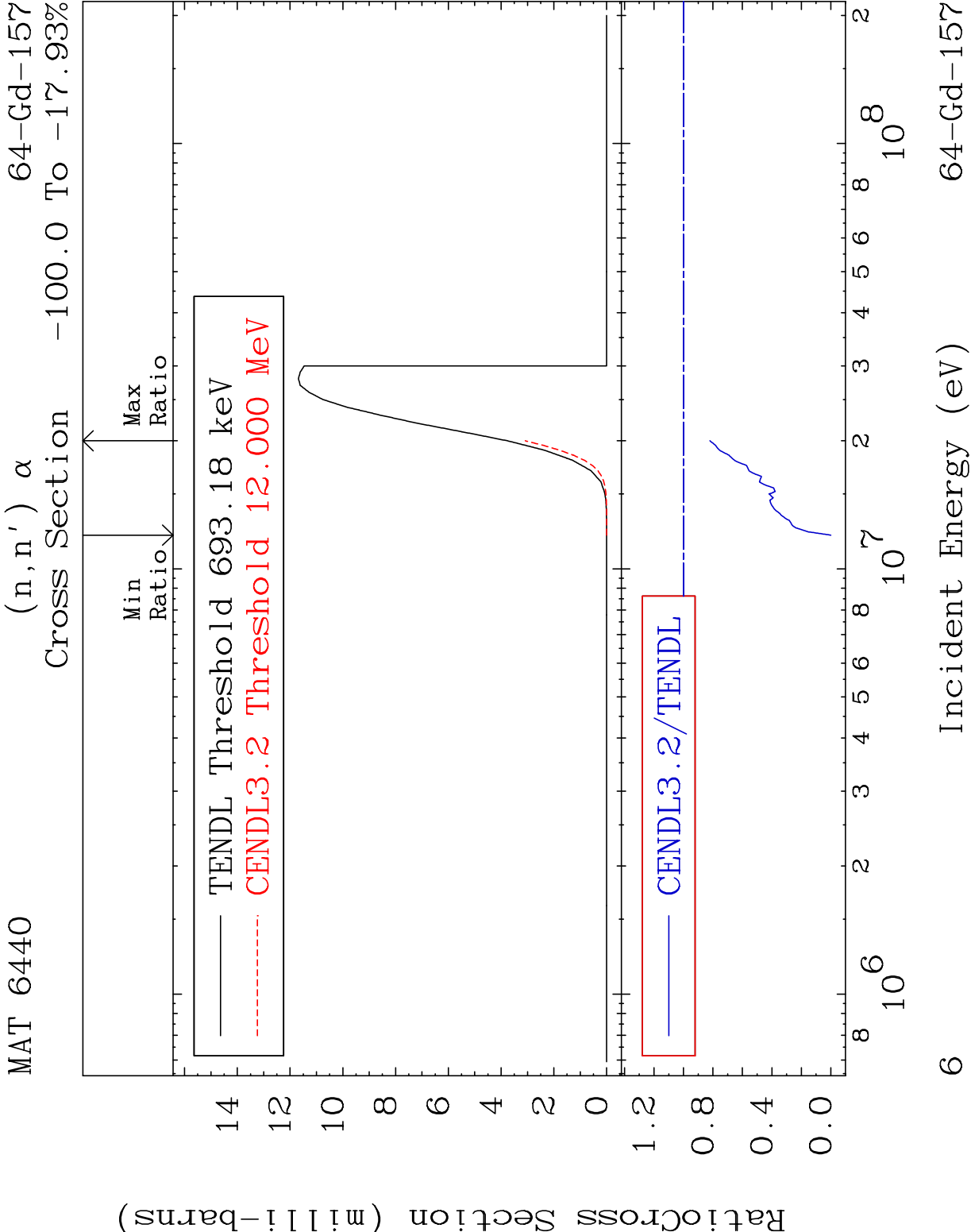


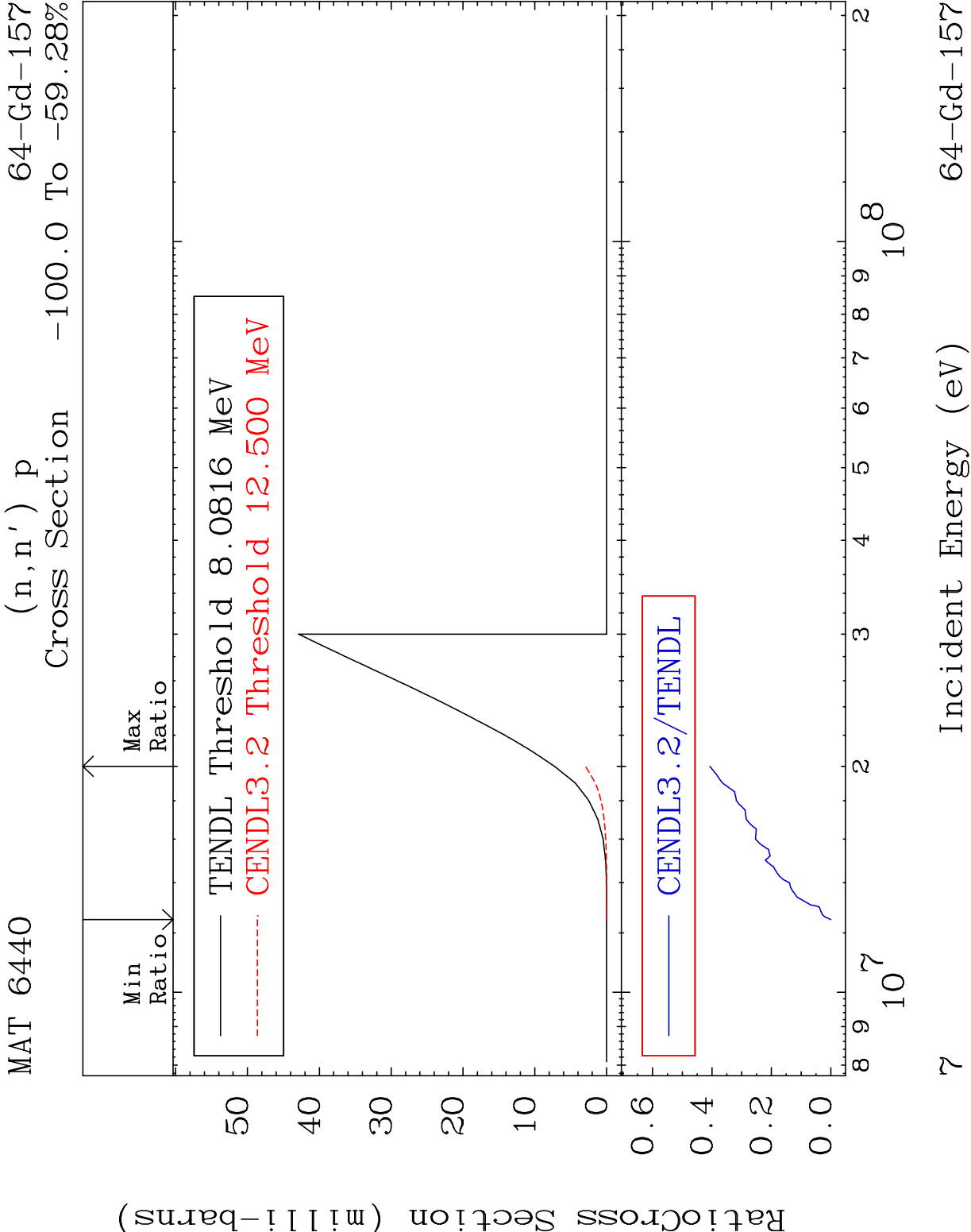




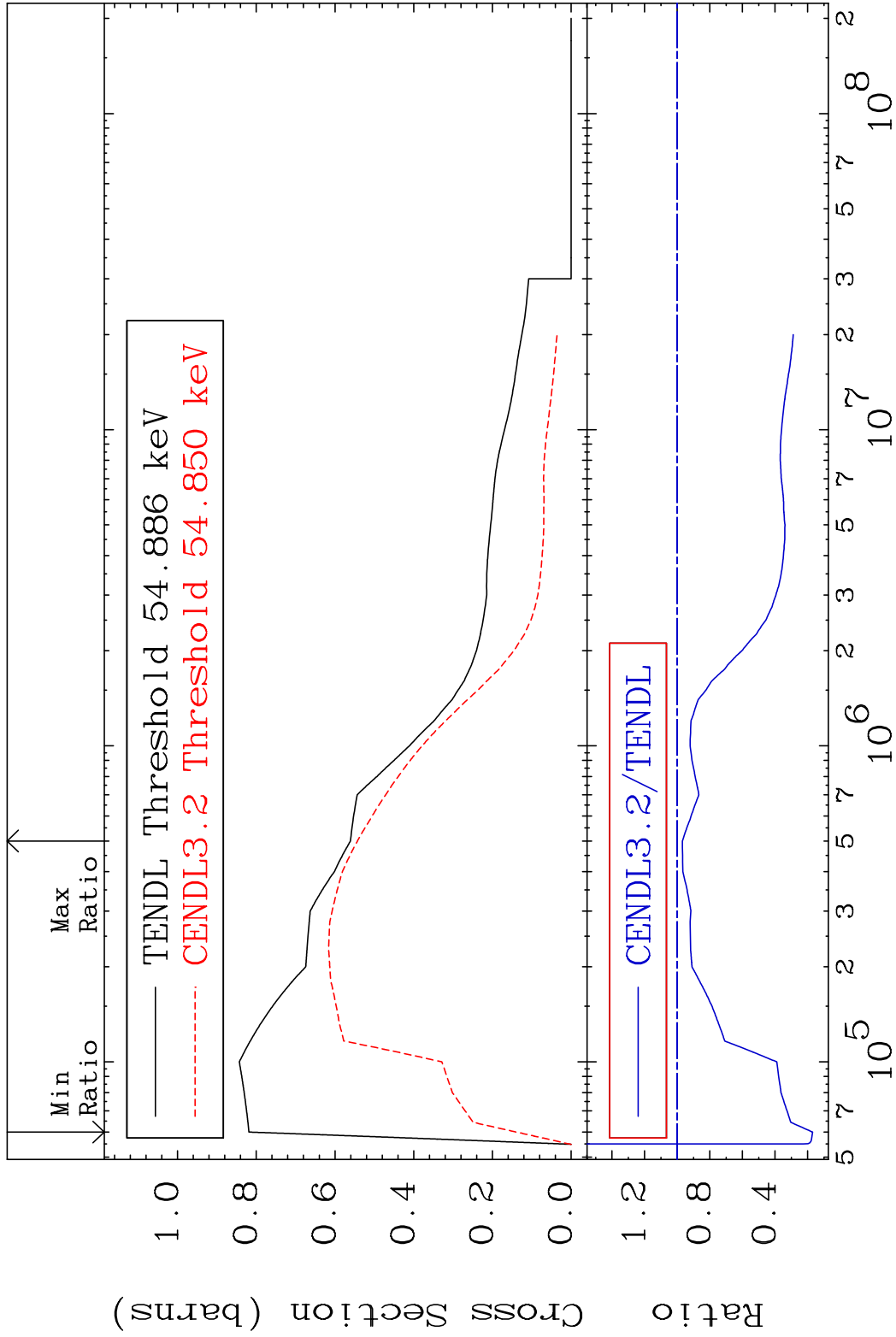








MAT 6440 MT= 51 (n,n') Level 64-Gd-157
Cross Section -83.01 To -3.155%



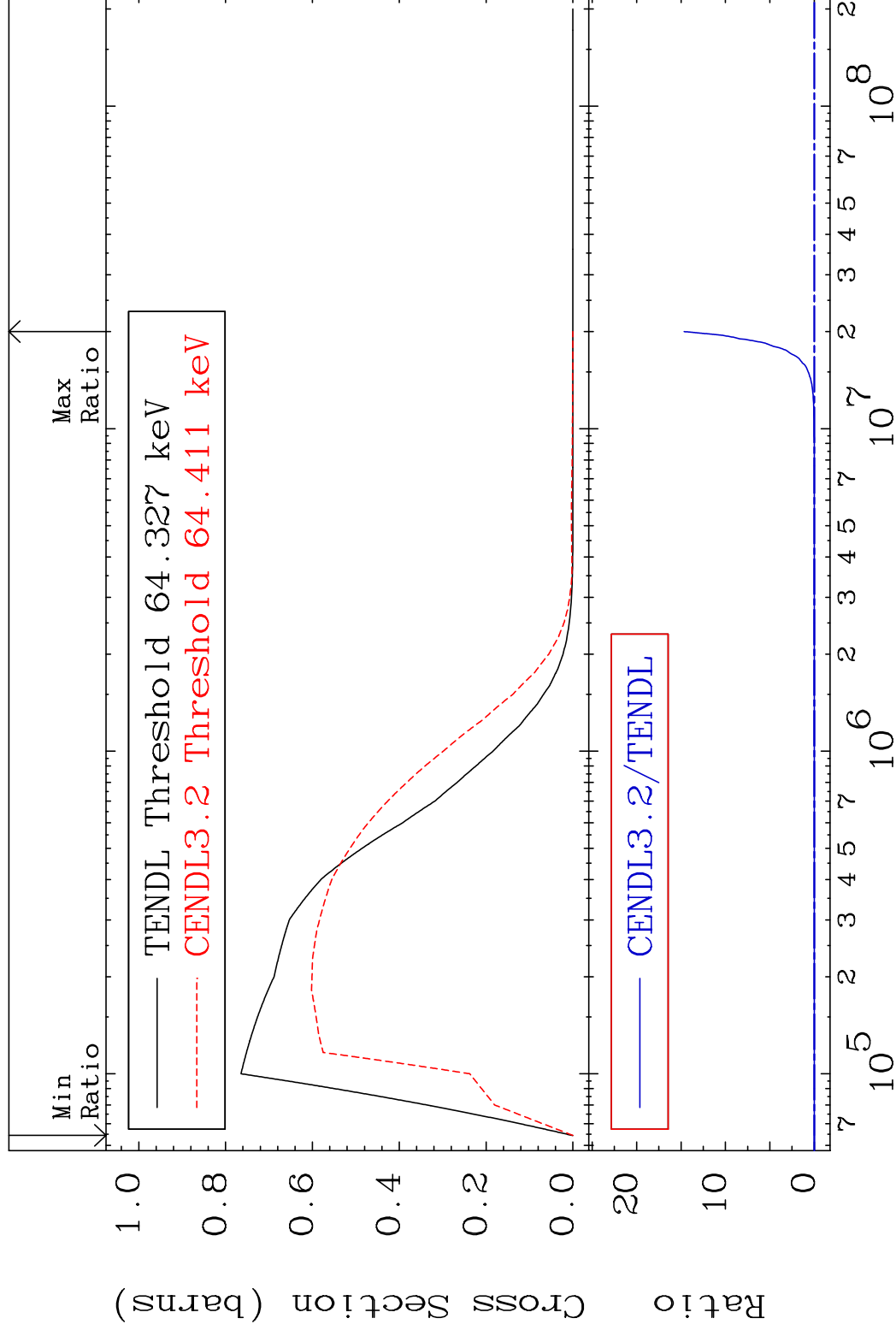
8 Incident Energy (eV) 64-Gd-157

MAT 6440

MT= 52 (n, n') Level

64-Gd-157

Cross Section	-100.0 To 9999. %
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TENDL Threshold 64.327 keV

CENDL3.2 Threshold 64.411 keV

CENDL3.2/TENDL

9

Incident Energy (eV)

64-Gd-157

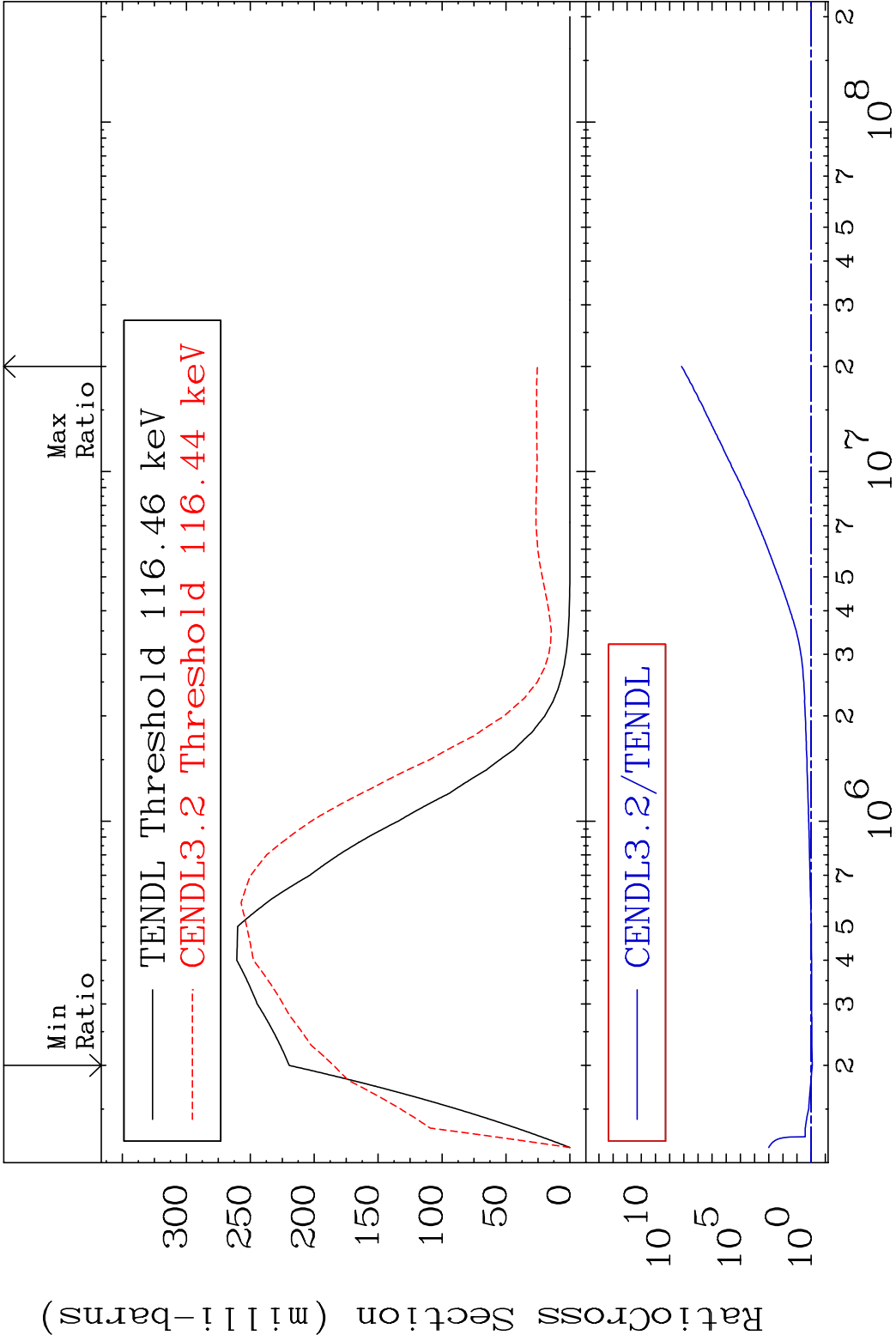
MAT 6440

MT= 53 (n,n') Level

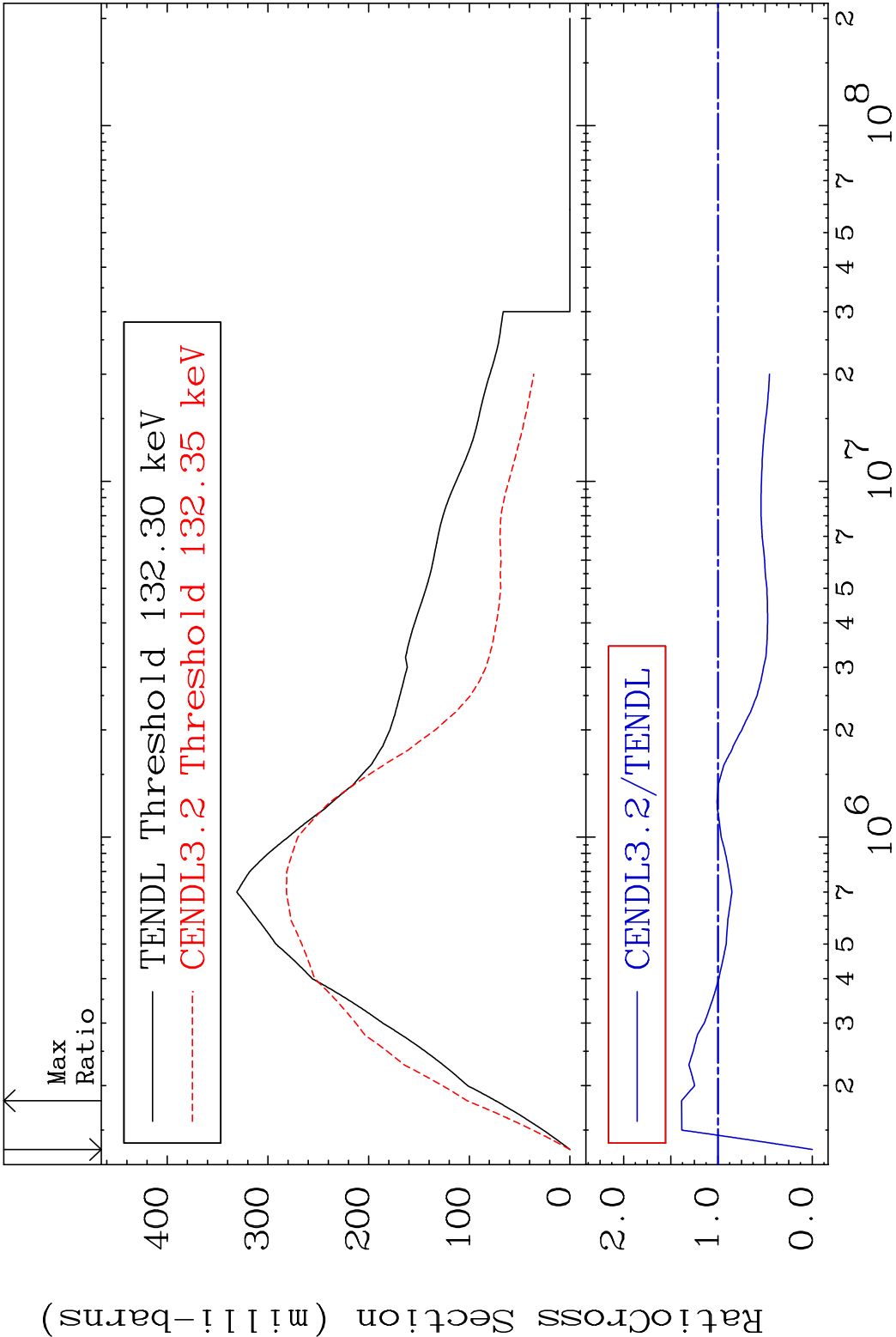
64-Gd-157

Cross Section

-15.75 To 9999. %



MAT 6440 MT= 54 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 38.55 %



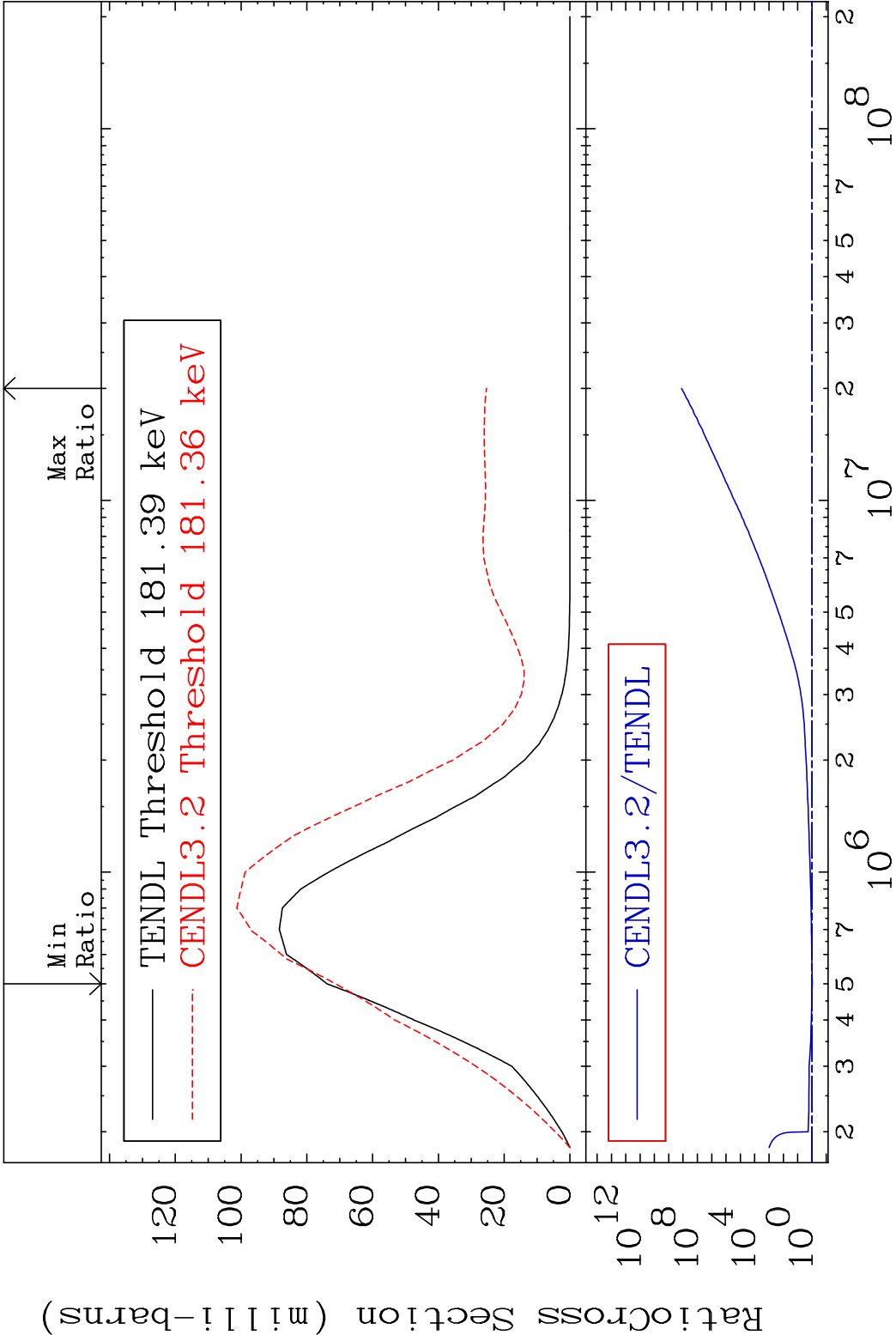
MAT 6440

MT= 55 (n,n') Level

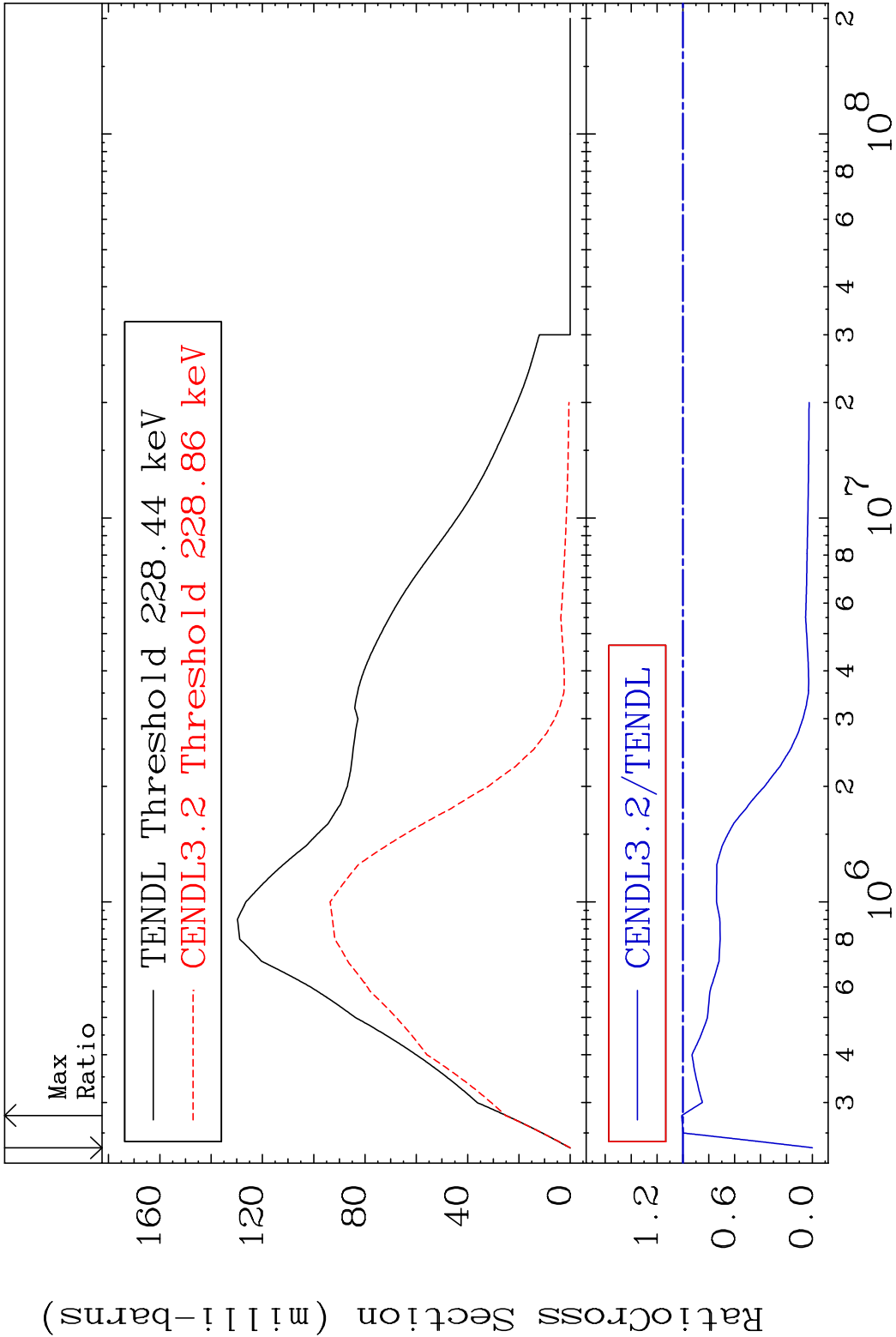
64-Gd-157

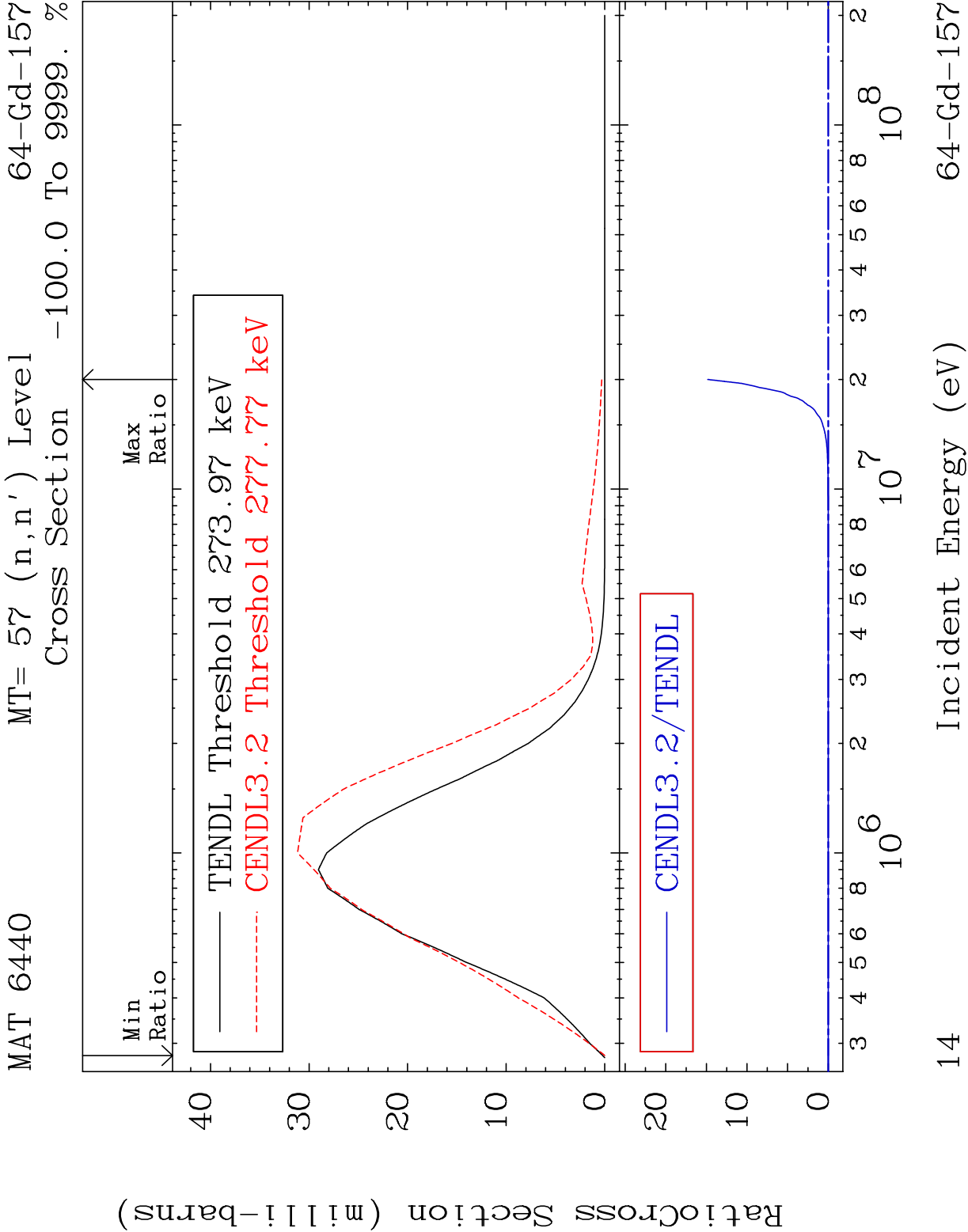
Cross Section

-3.548 To 9999. %



MAT 6440 MT= 56 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 0.896 %





MAT 6440

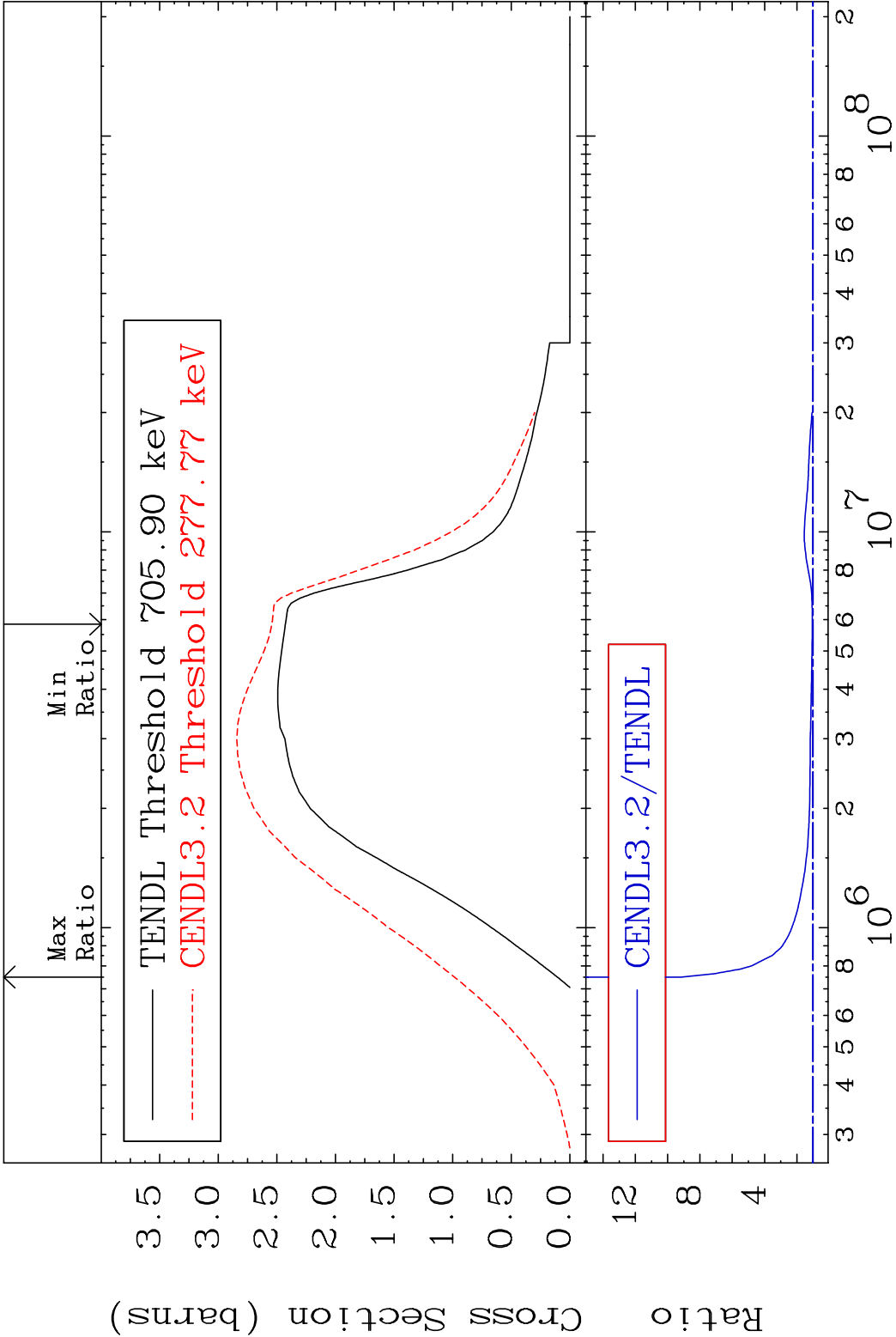
(n,n') Continuum

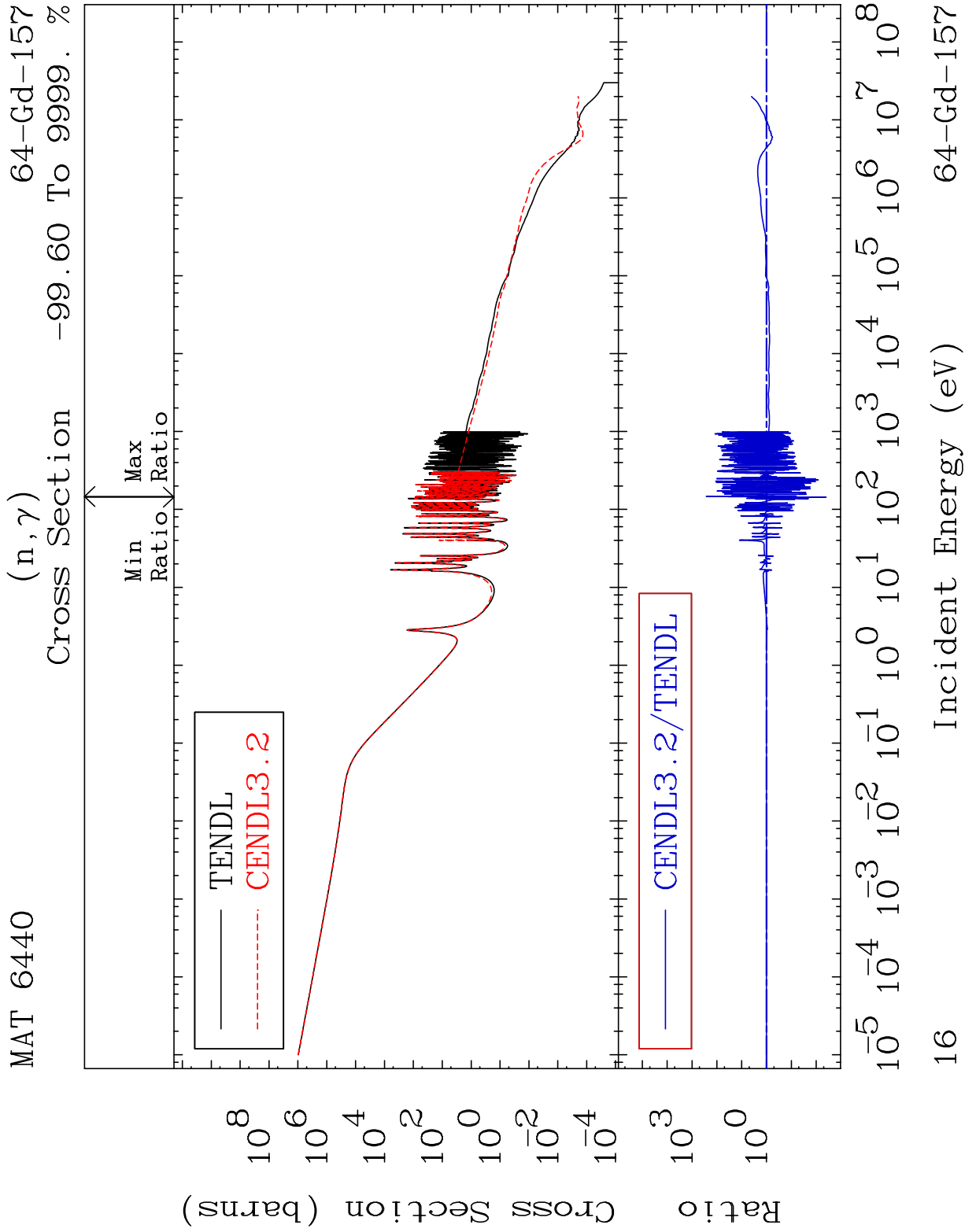
64-Gd-157

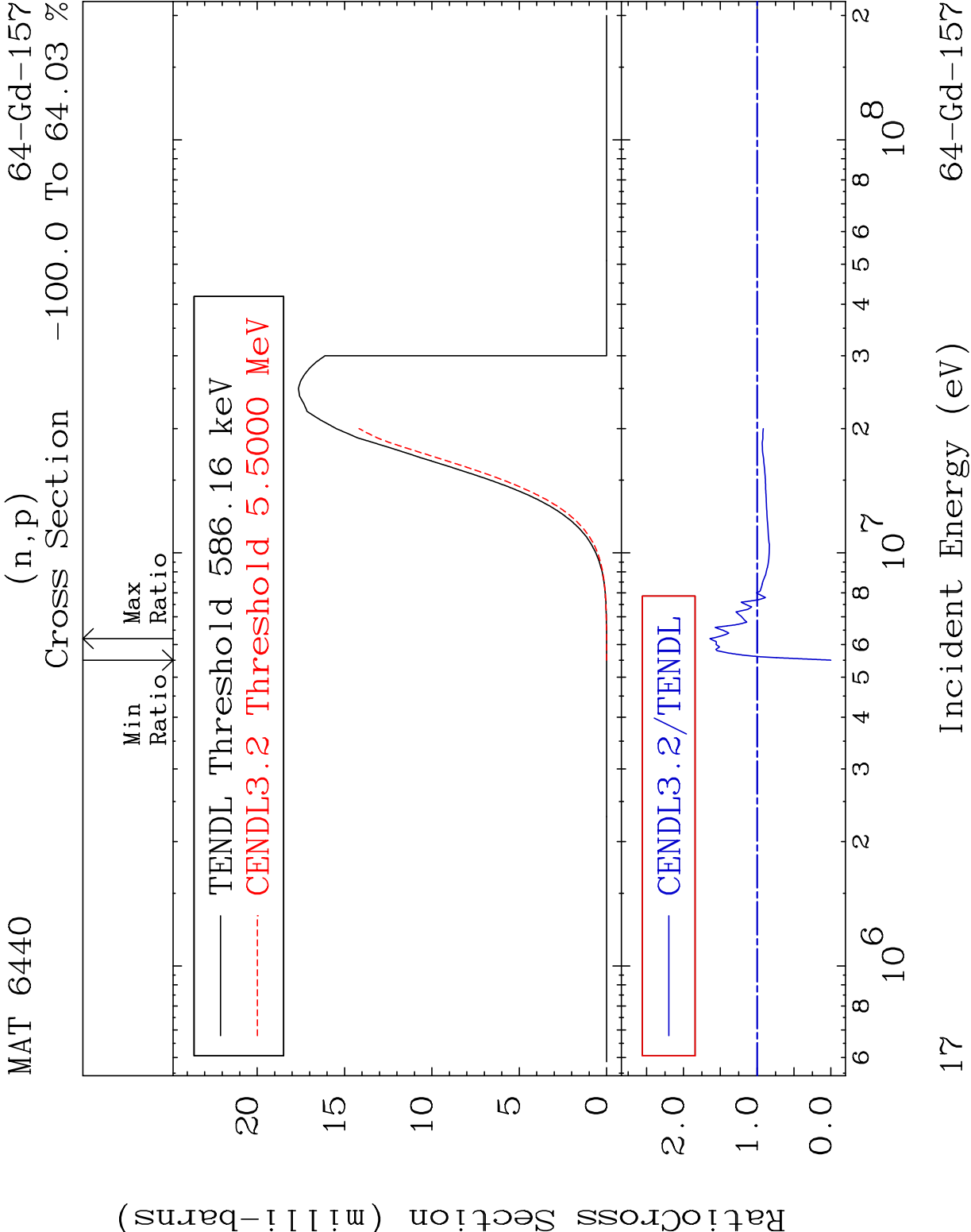
Cross Section

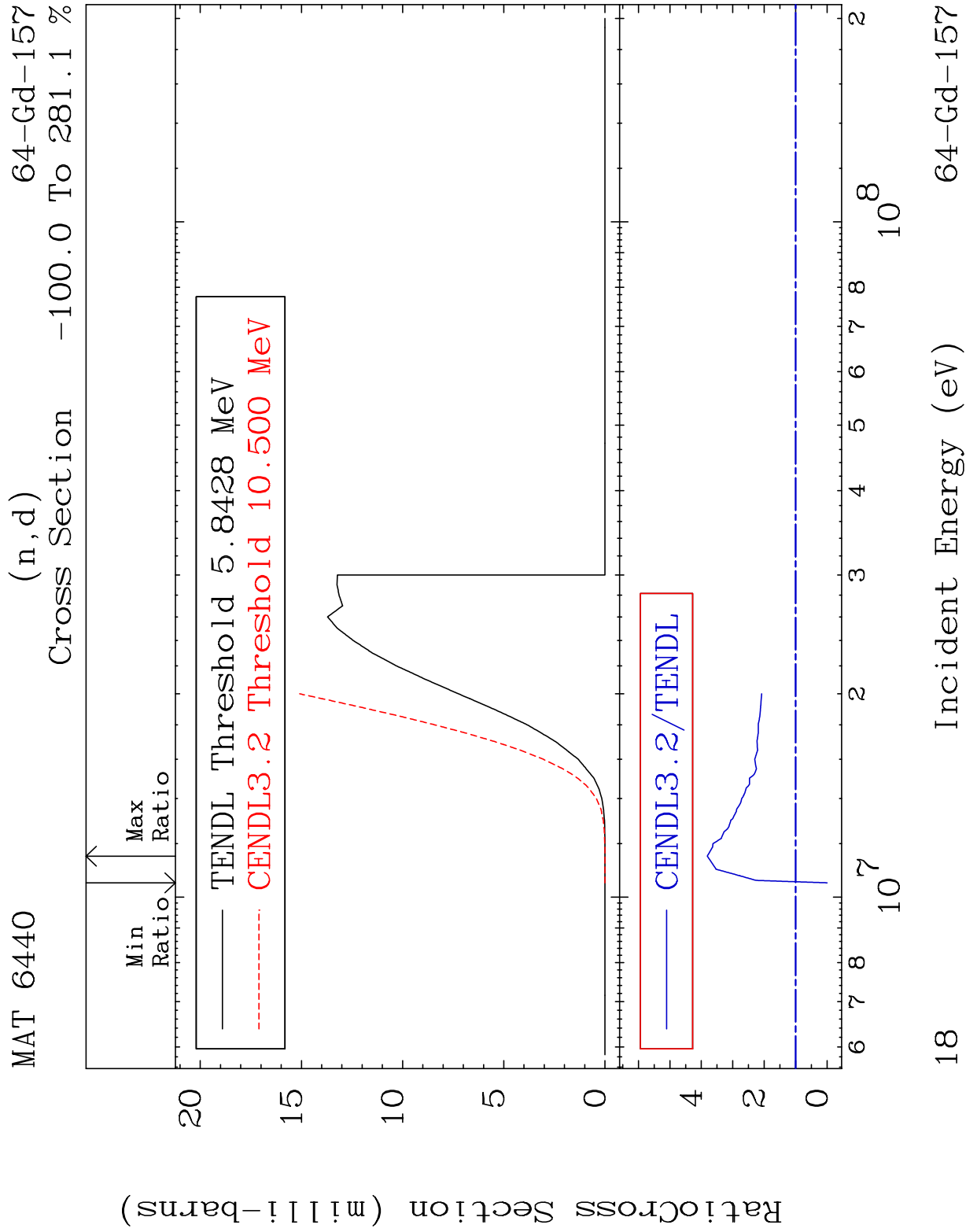
4.766

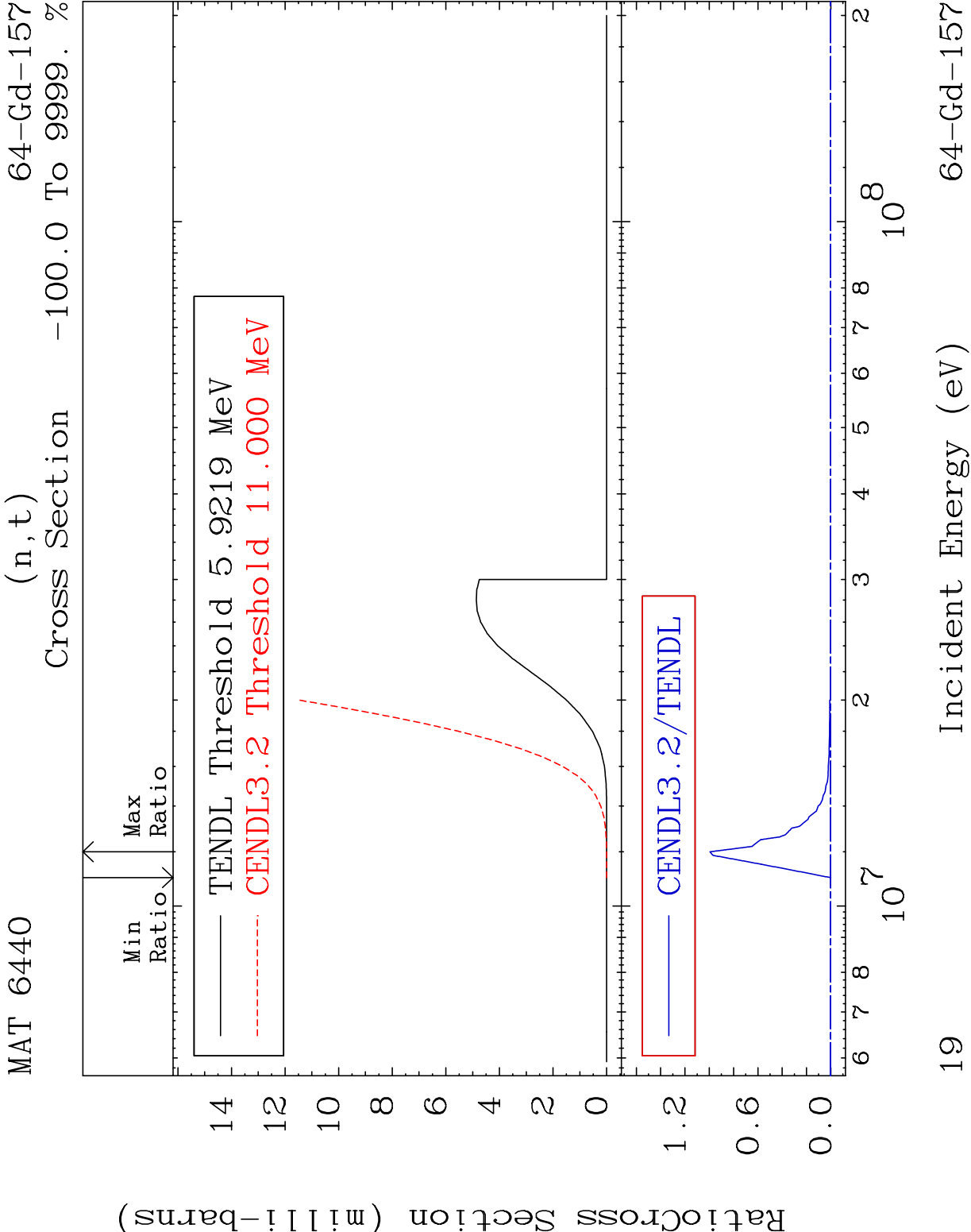
To 814.2 %

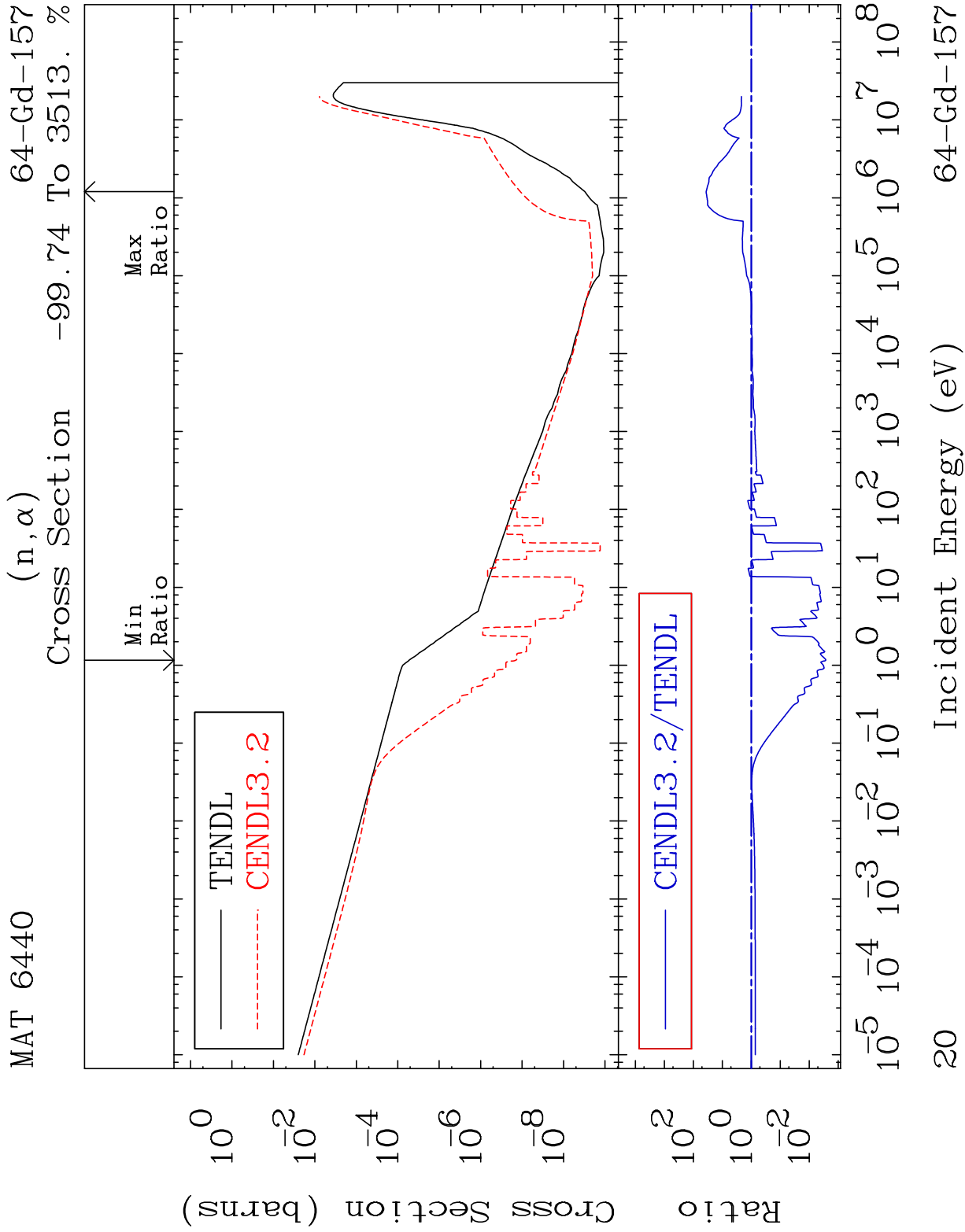


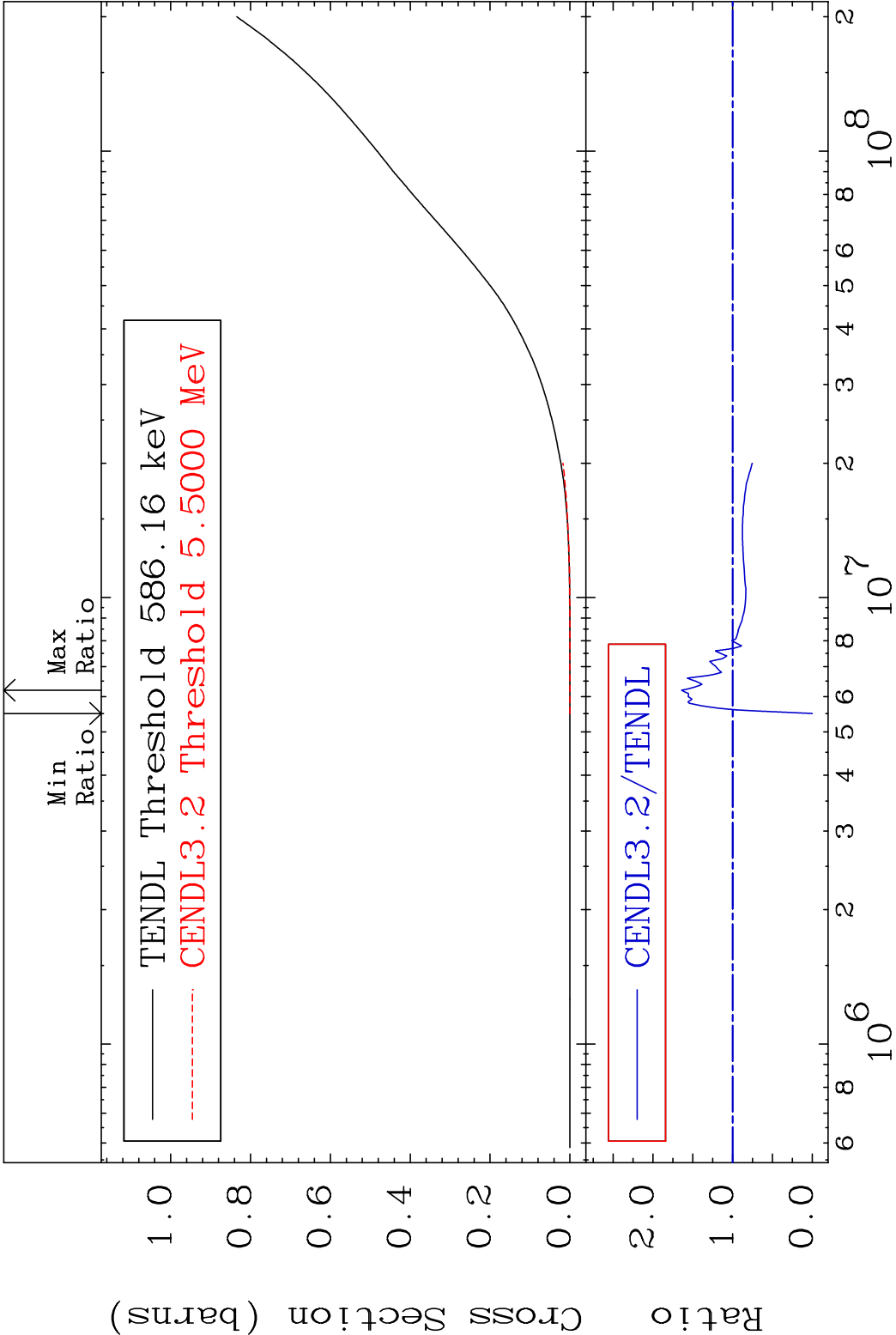


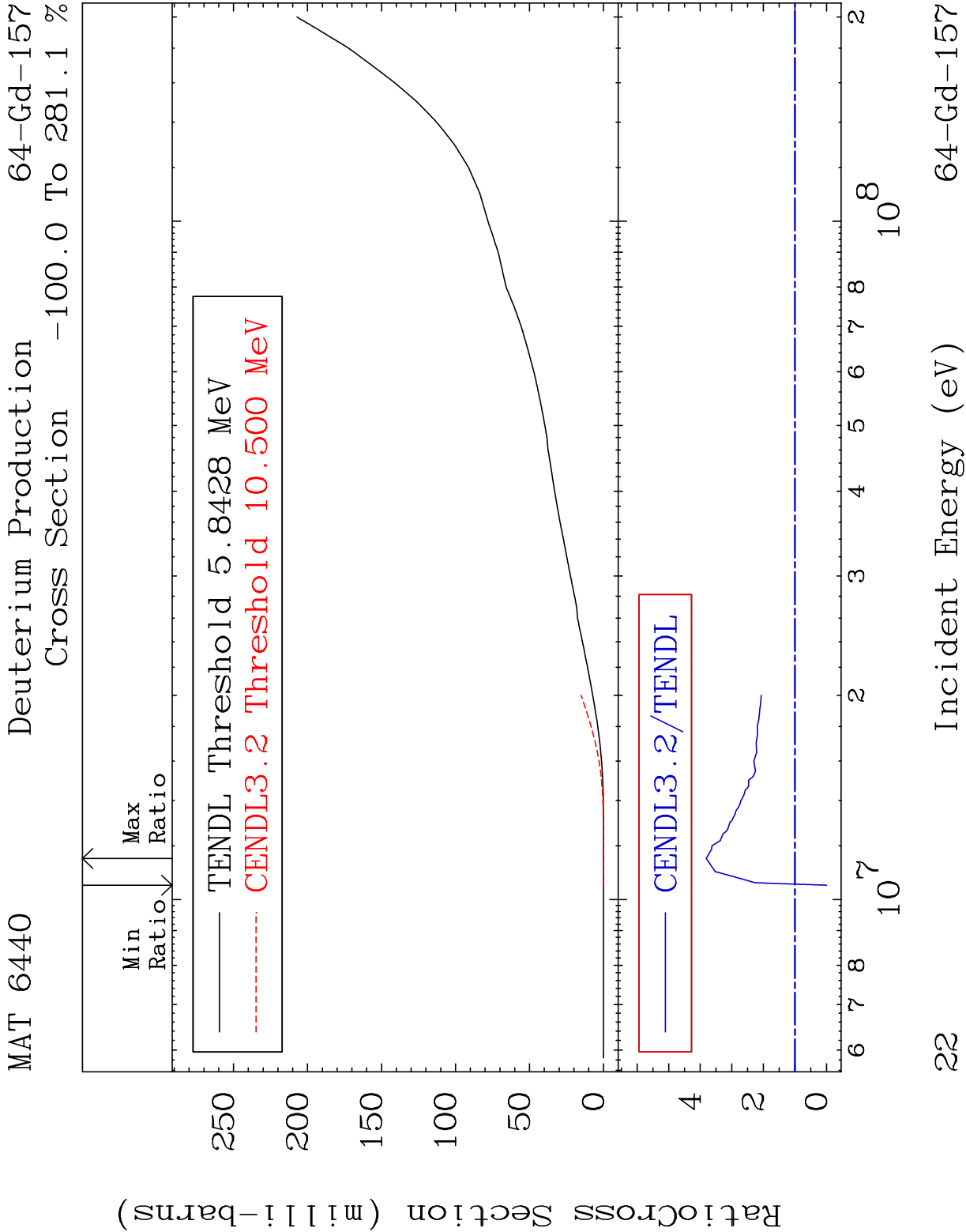


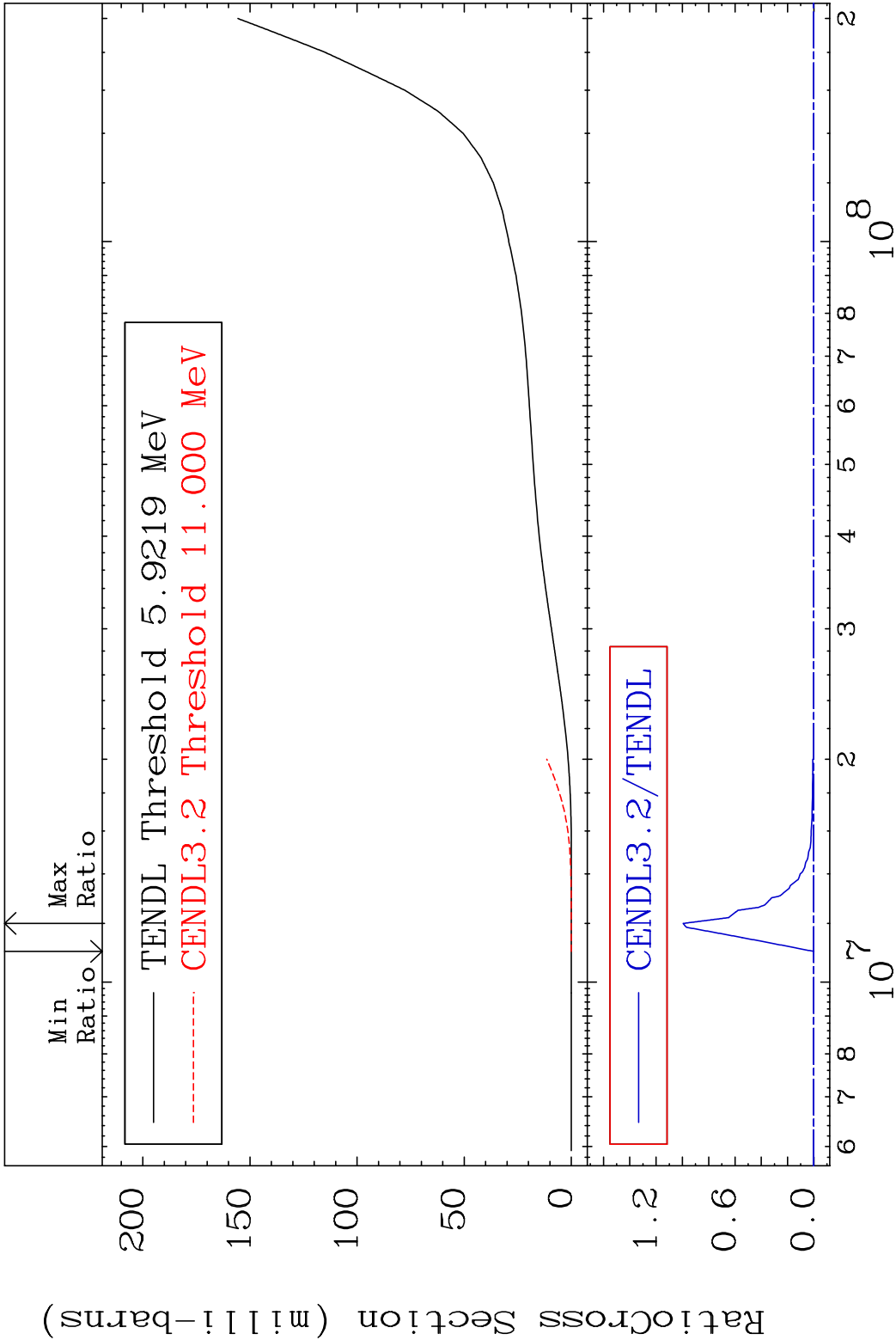


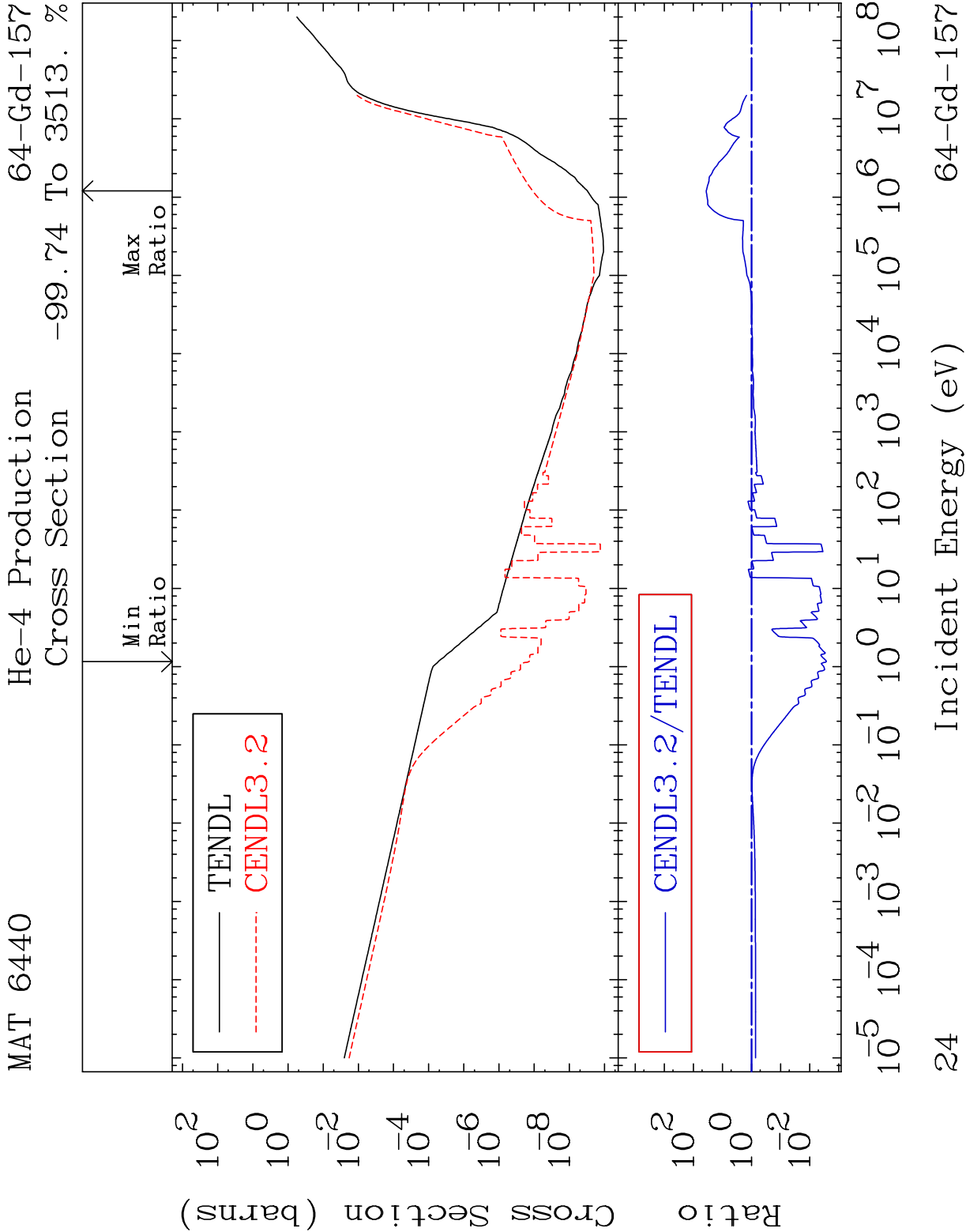












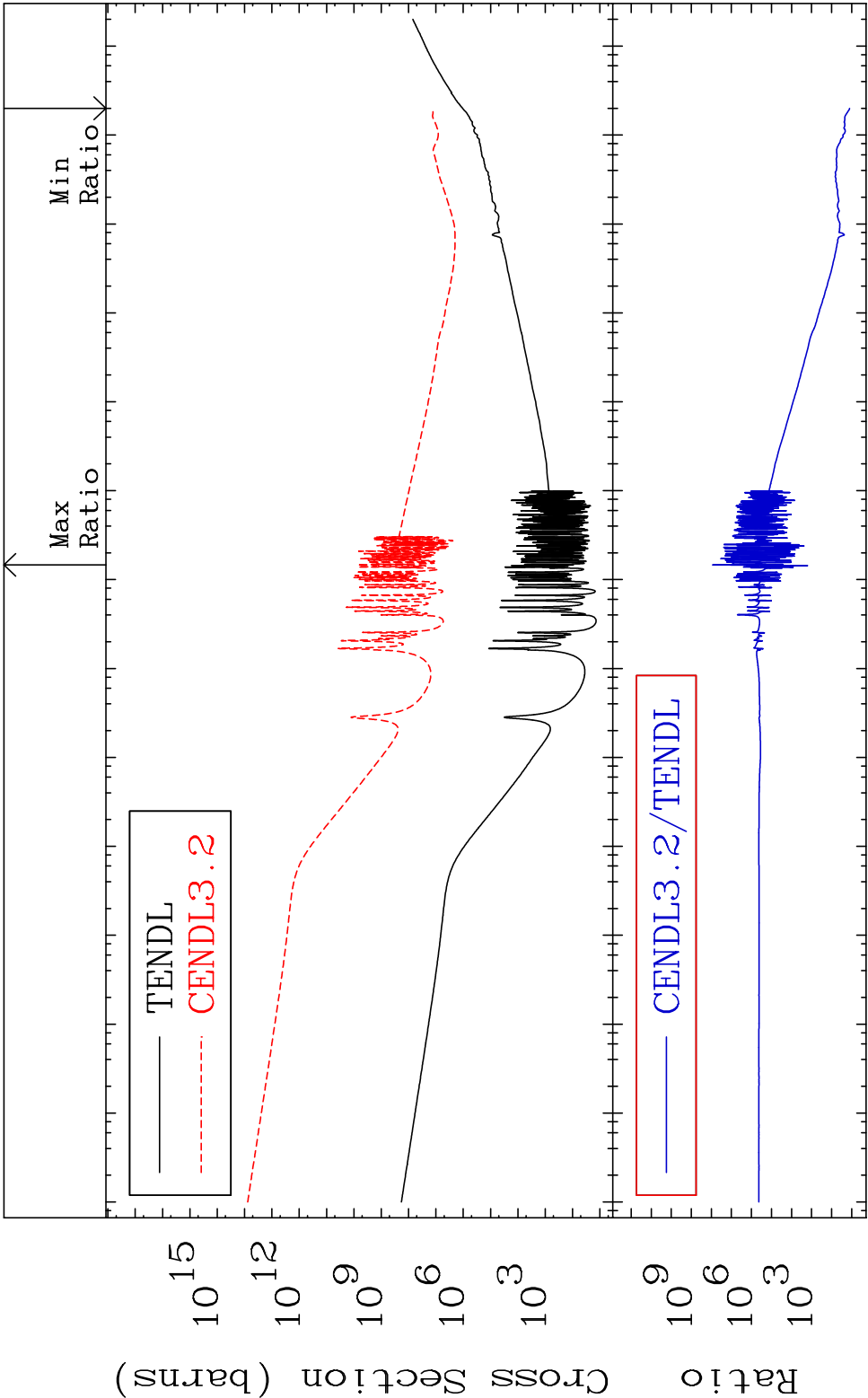
MAT 6440

Kerma total (eV-barns)

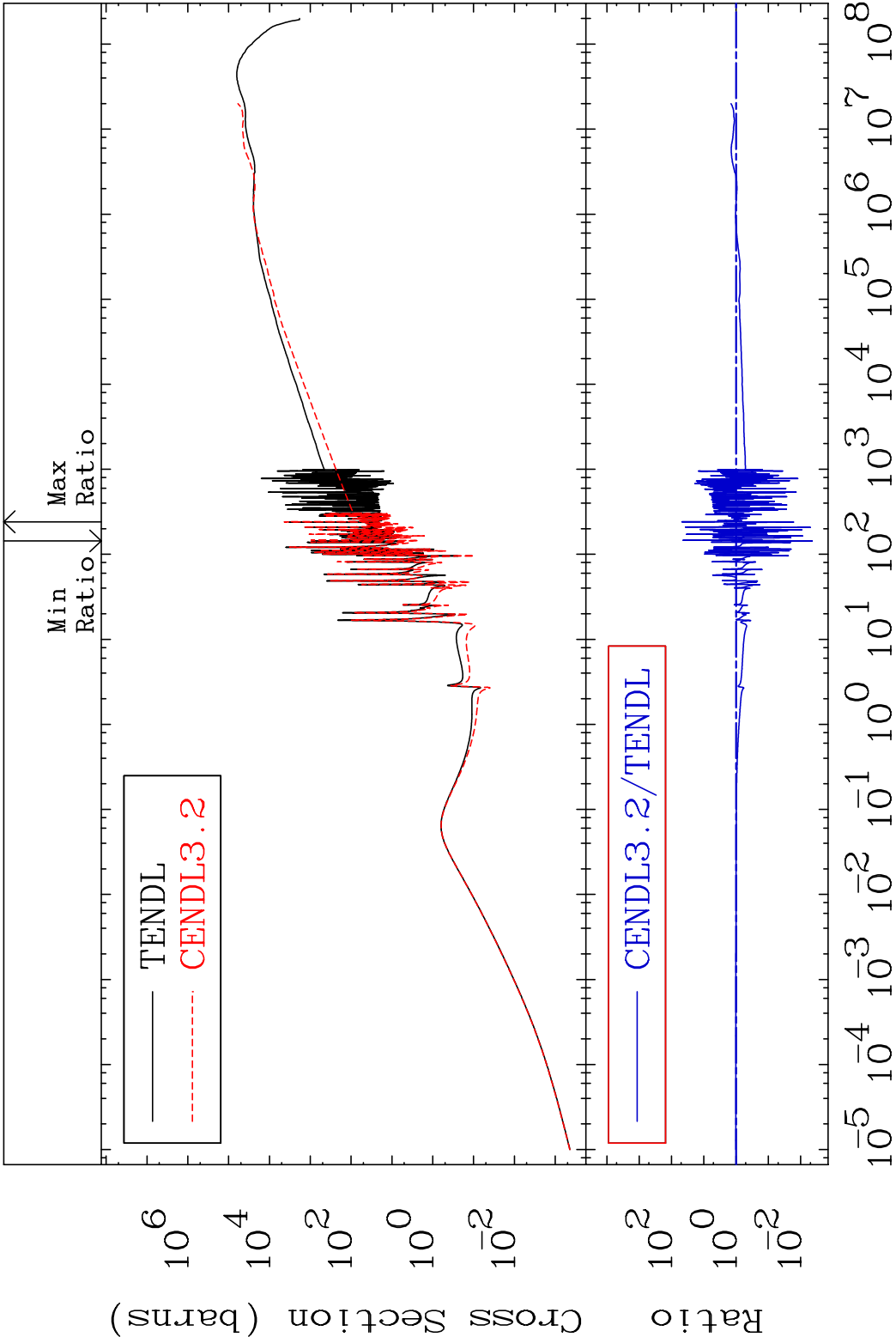
64-Gd-157

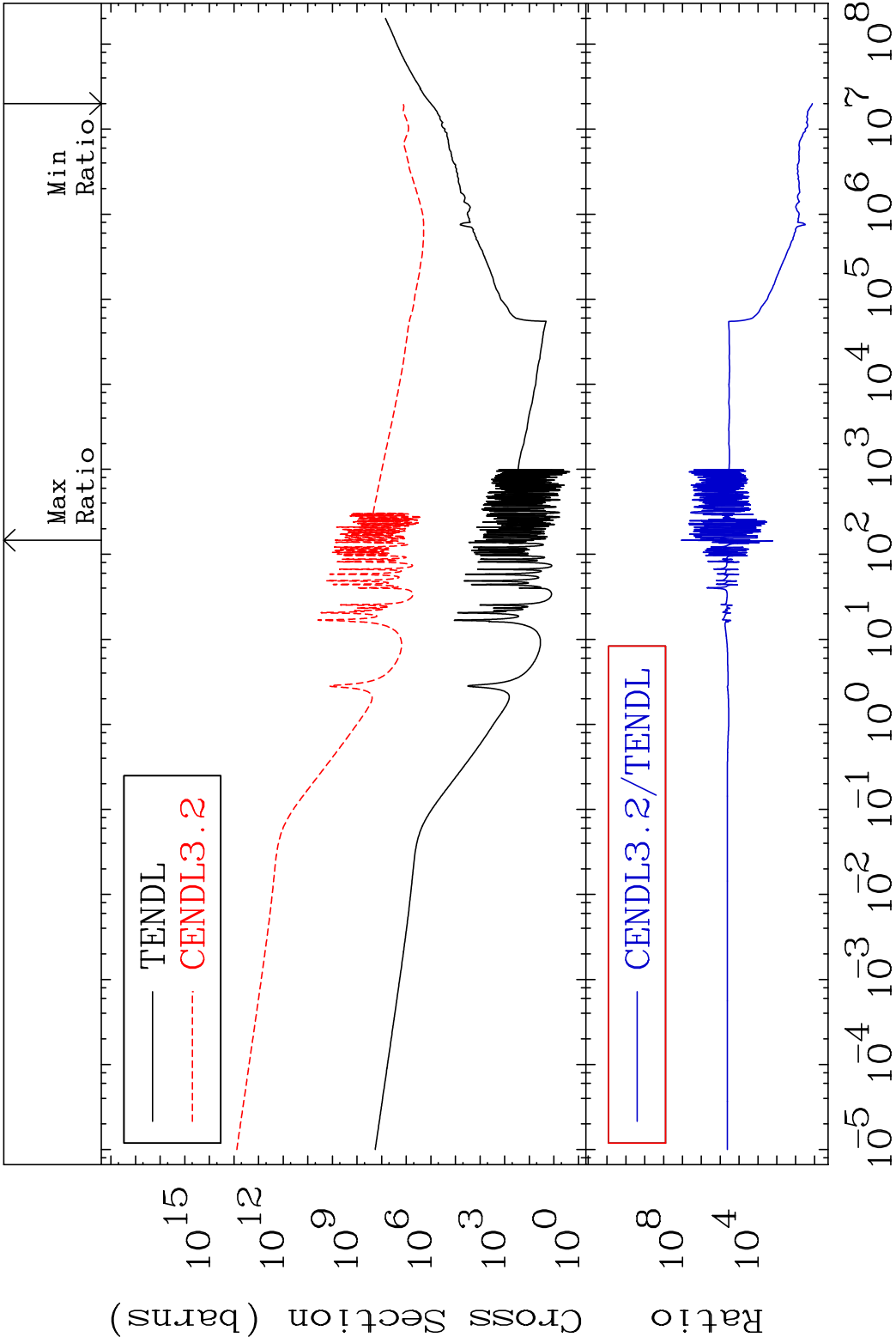
Cross Section

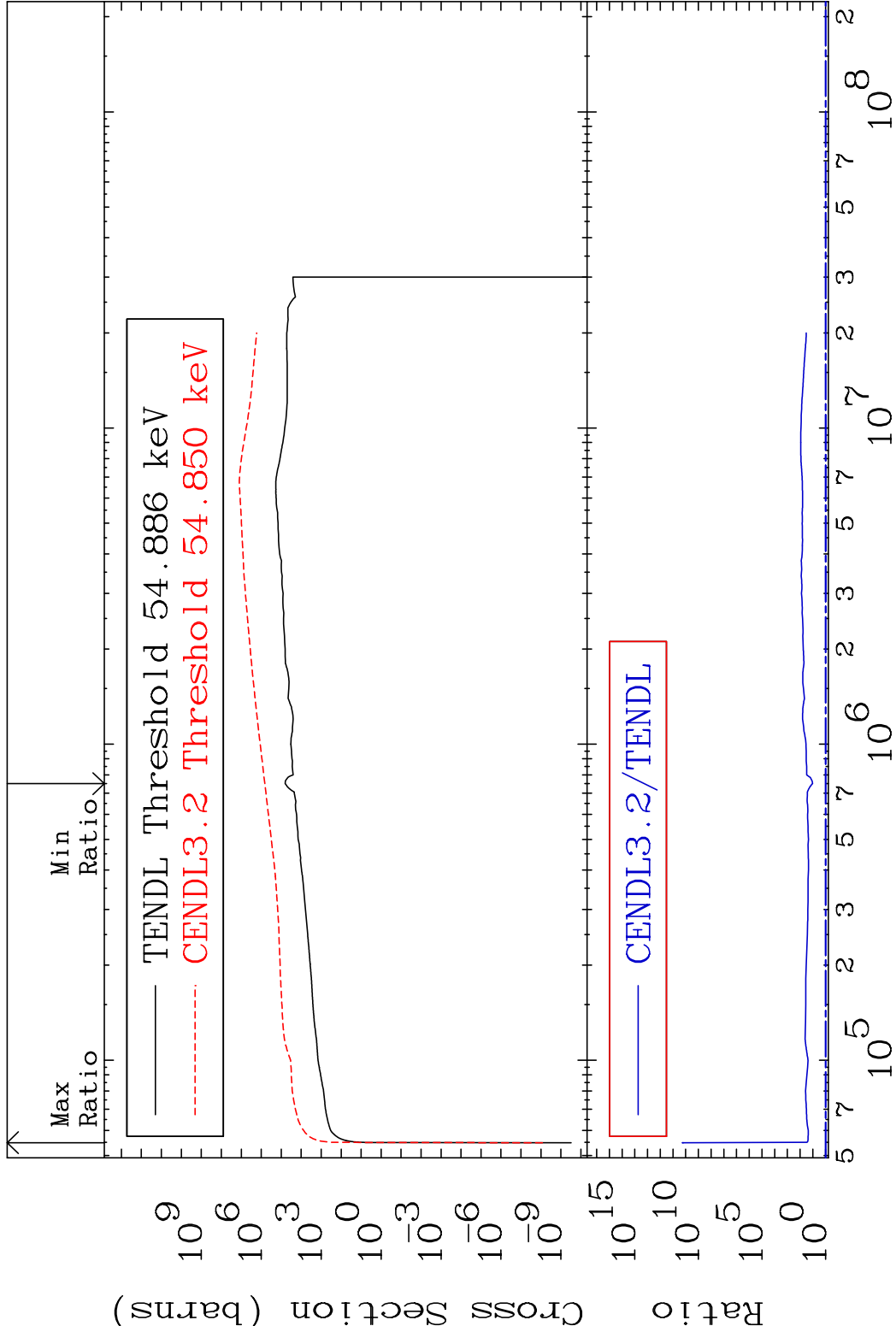
1178. To 9999. %



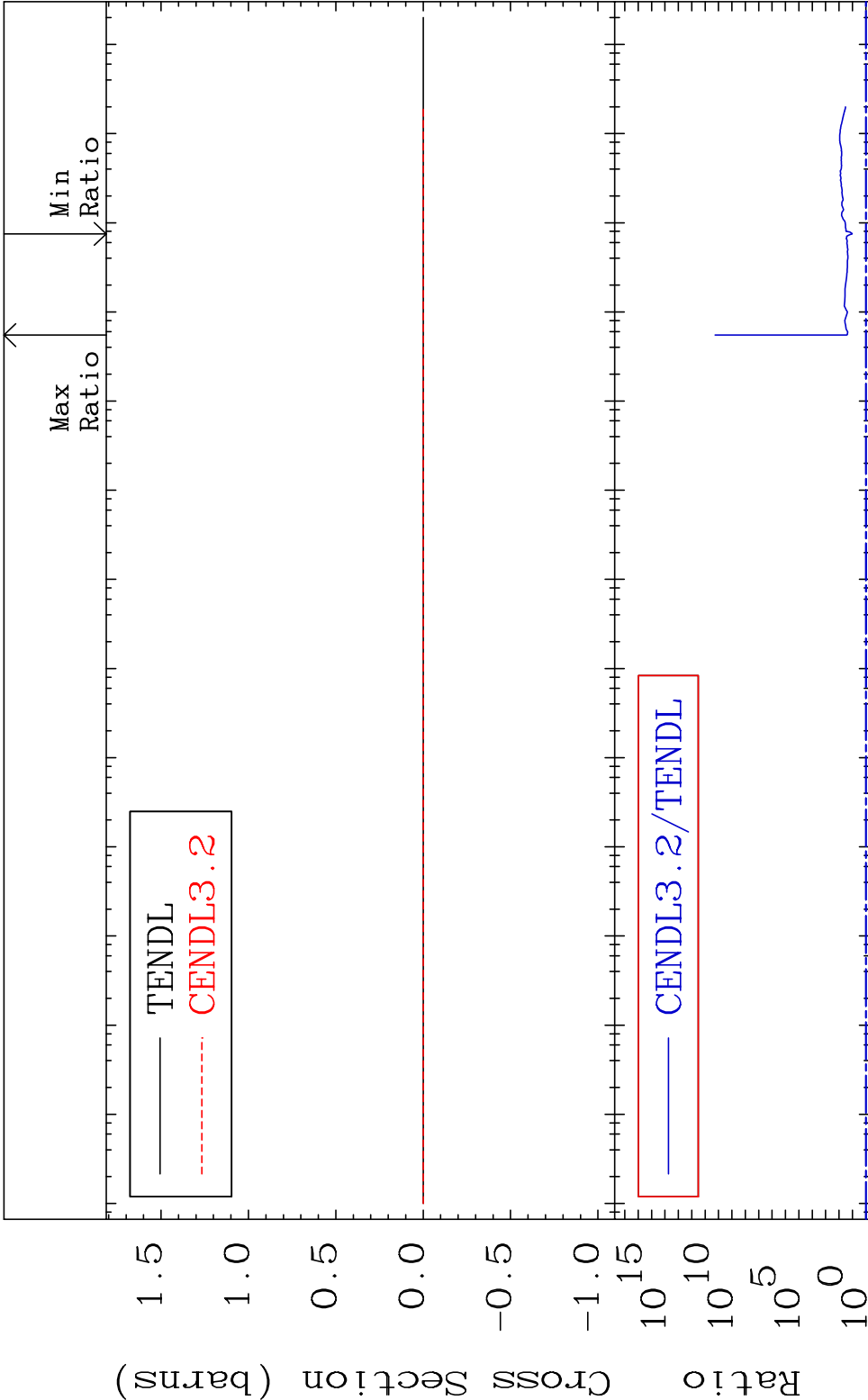
MAT 6440	Kerma elastic Cross Section	64-Gd-157 -99.56 To 4778. %
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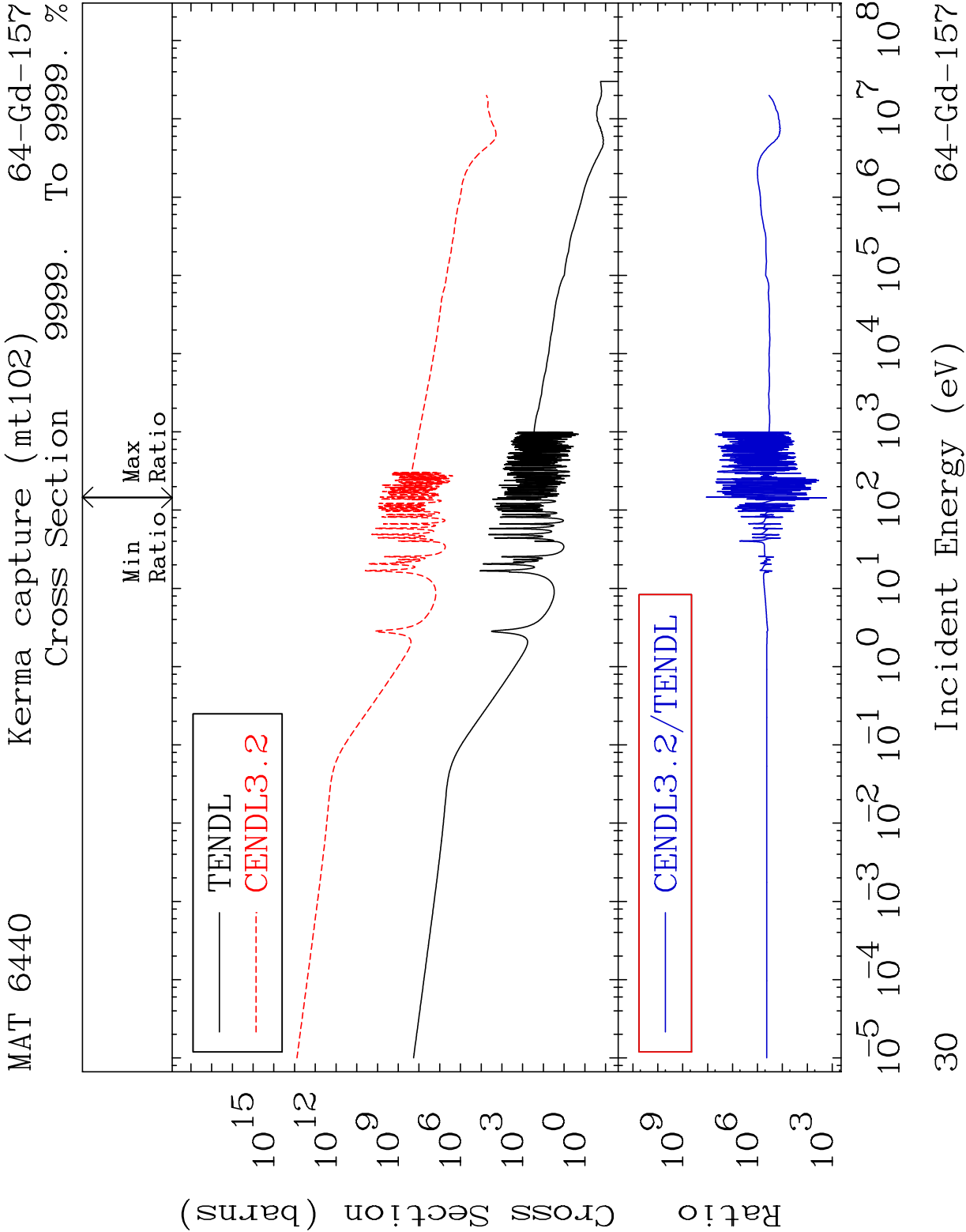


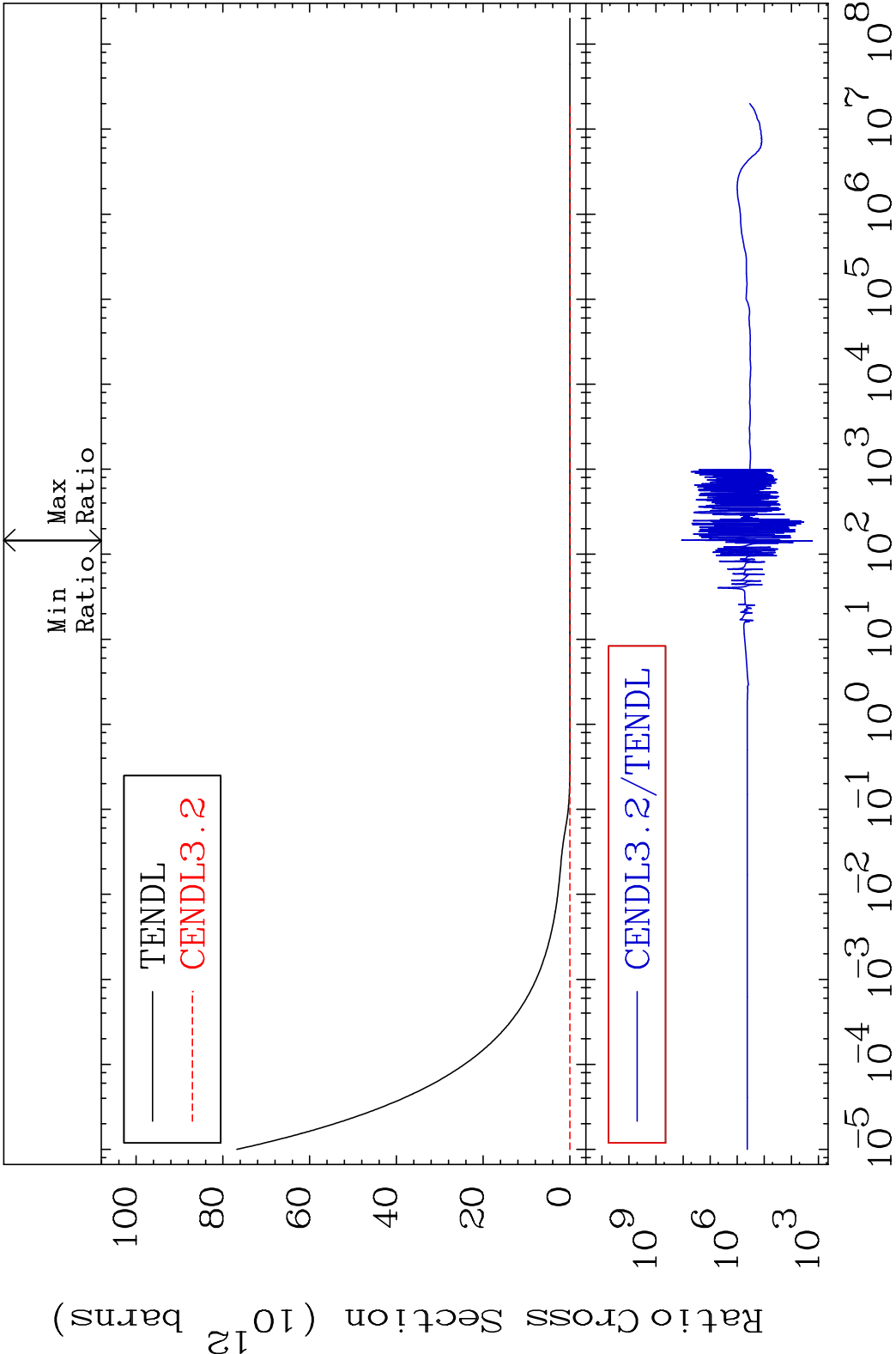




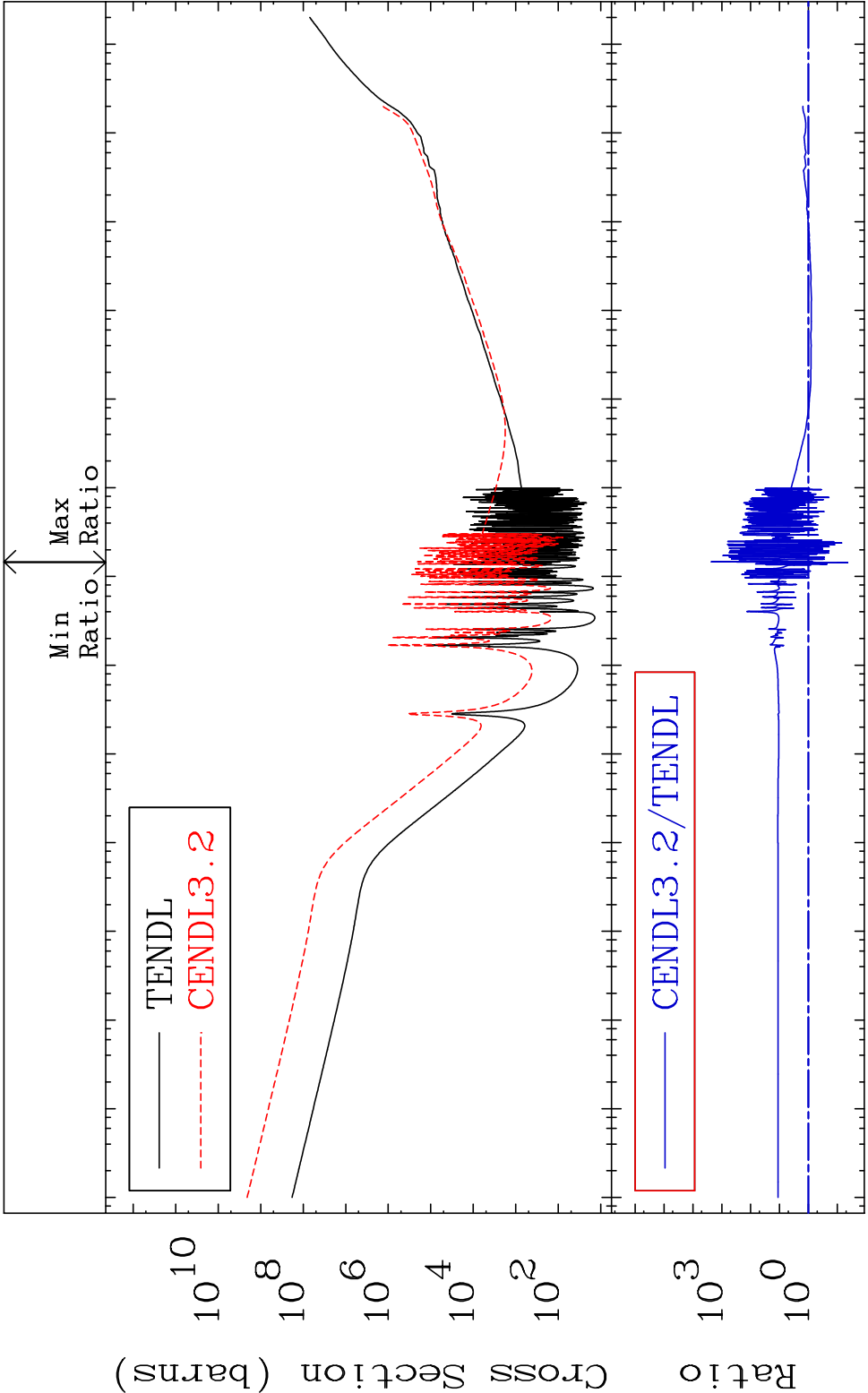
MAT 6440 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-157
Cross Section 942.9 To 9999. %





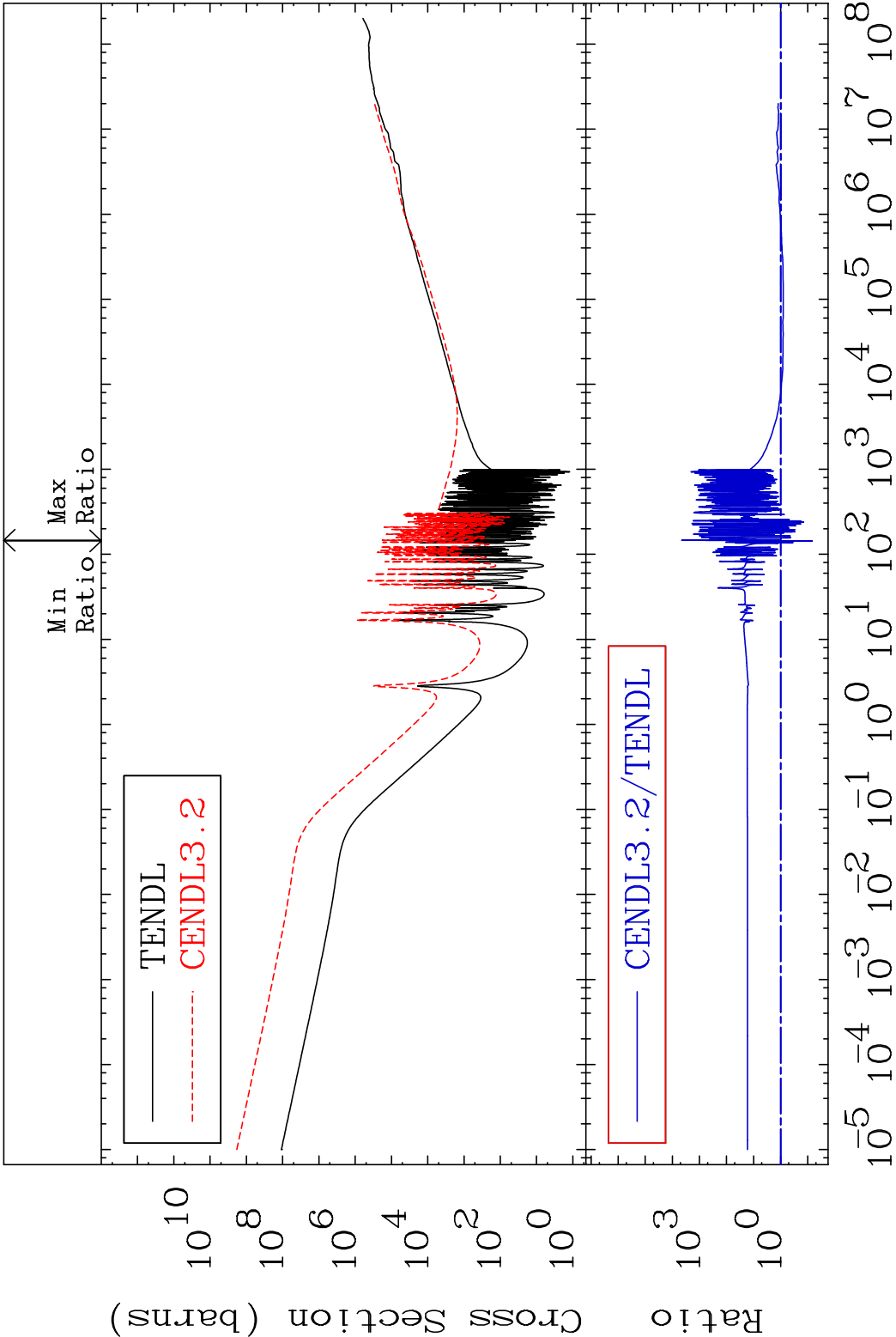


MAT 6440 Total kinematic kerma (high limit) 64-Gd-157
Cross Section -95.63 To 9999. %

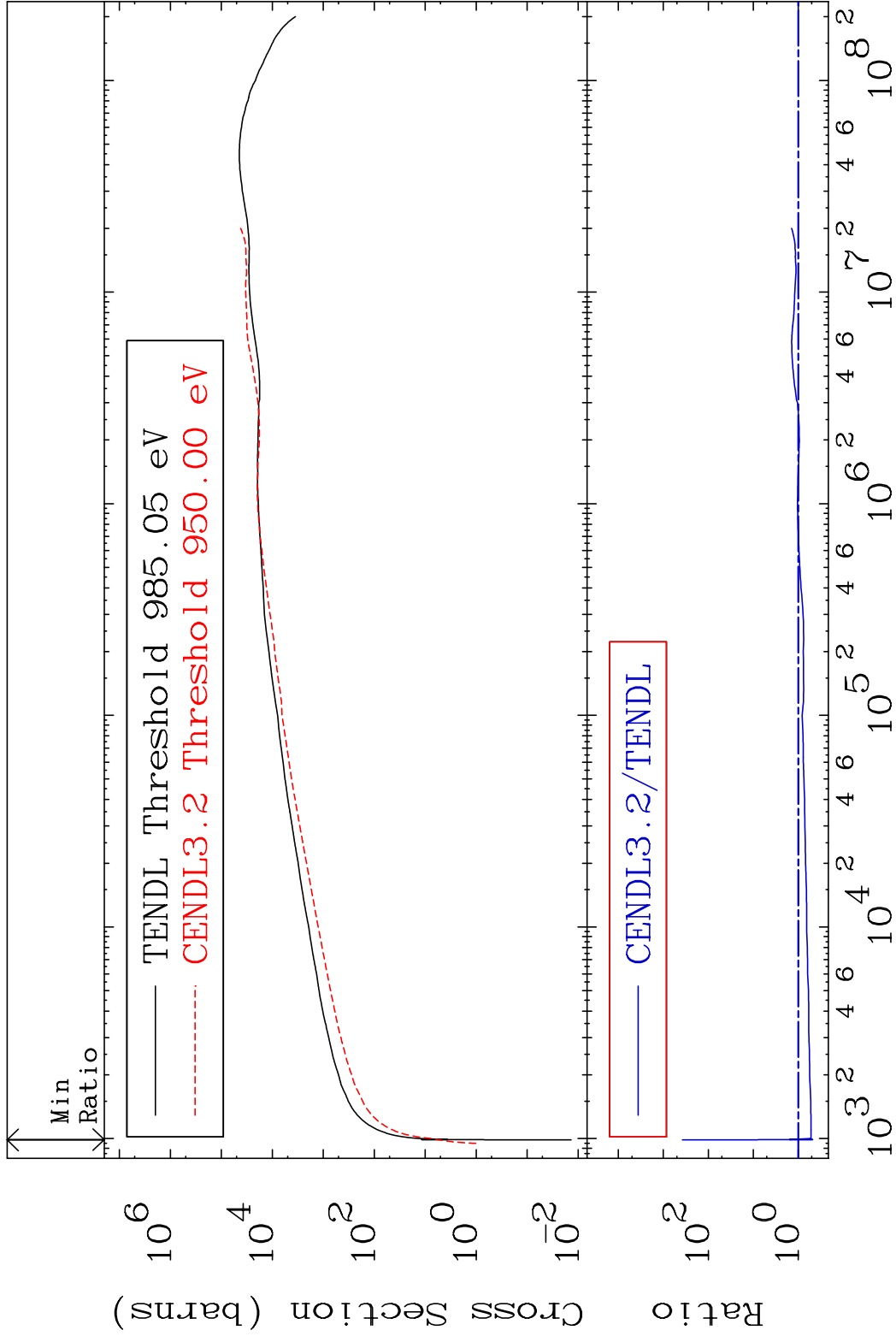


32 Incident Energy (eV) 64-Gd-157

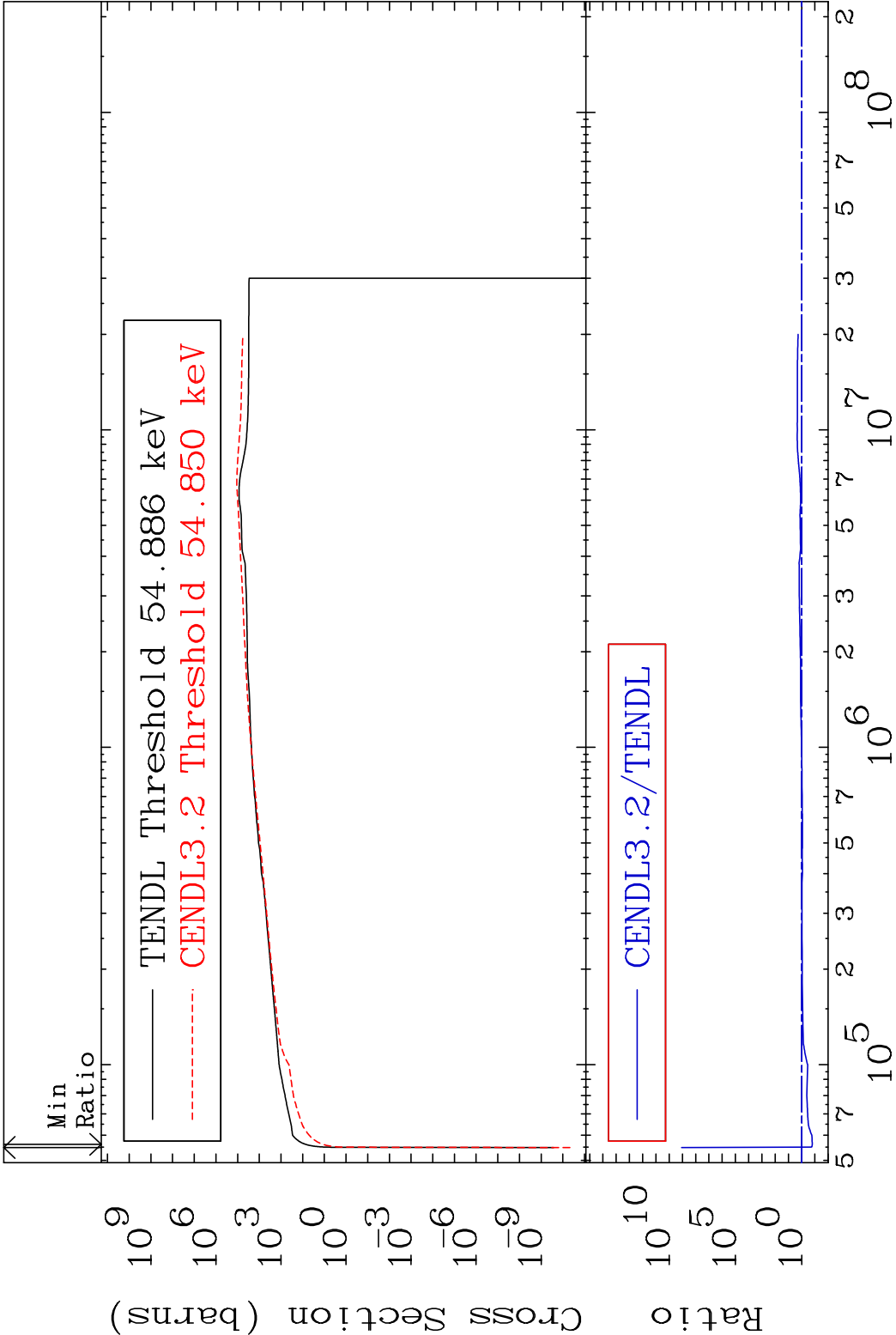
MAT 6440	Dpa total (eV-barns)	64-Gd-157
	Cross Section	-93.18 To 9999. %



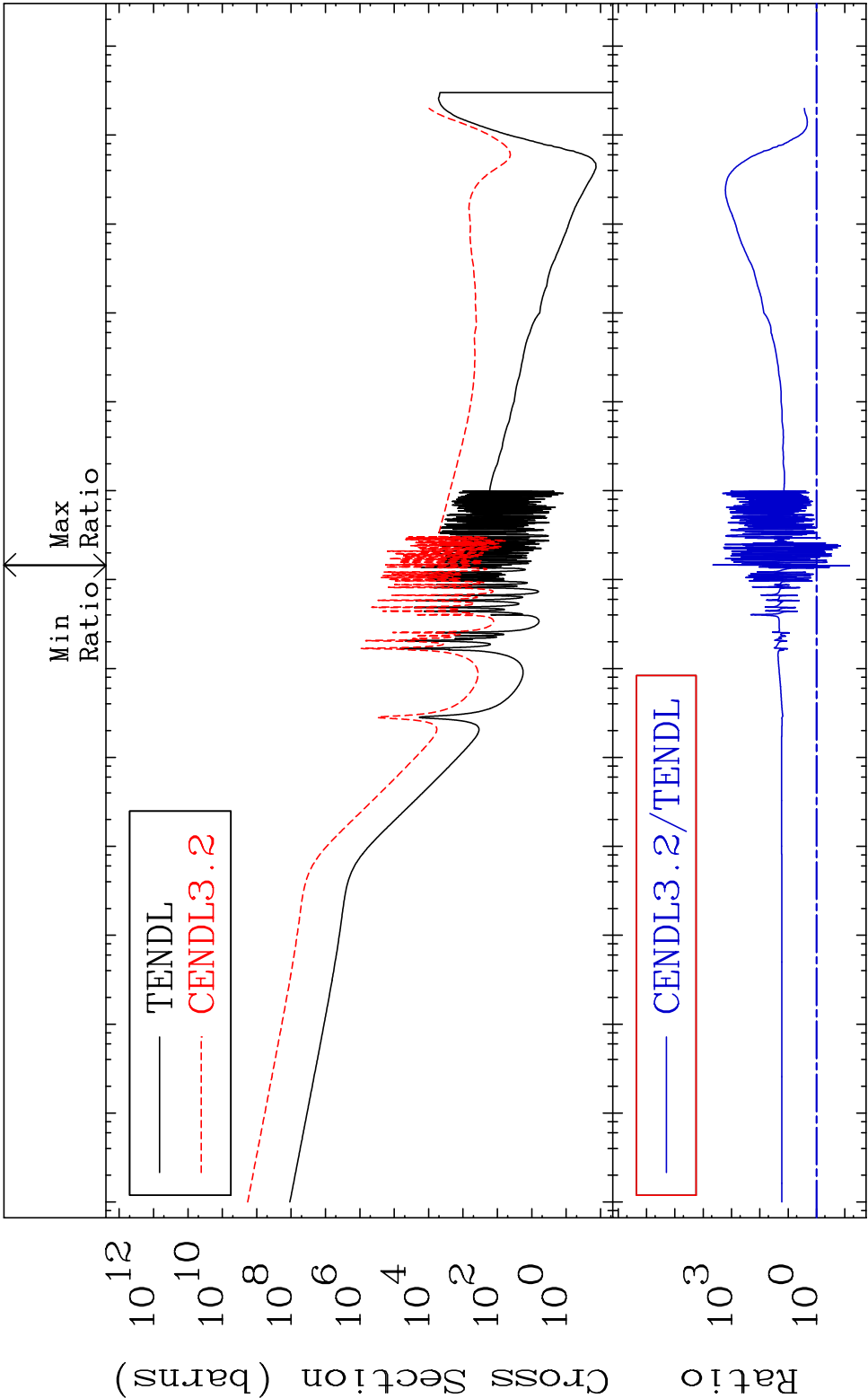
MAT 6440 Dpa elastic (mt2) 64-Gd-157
Cross Section -52.17 To 9999. %

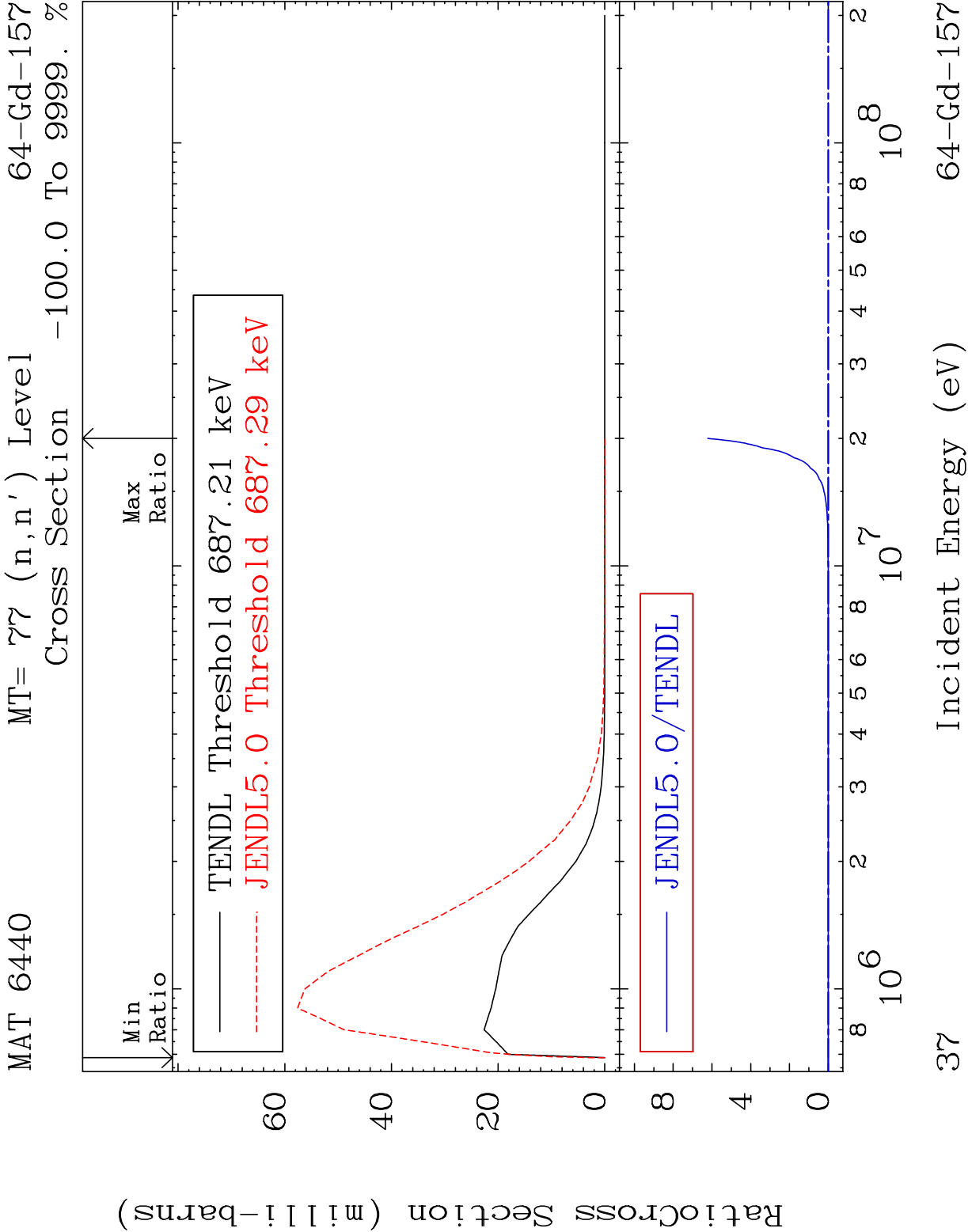


34 Incident Energy (eV) 64-Gd-157

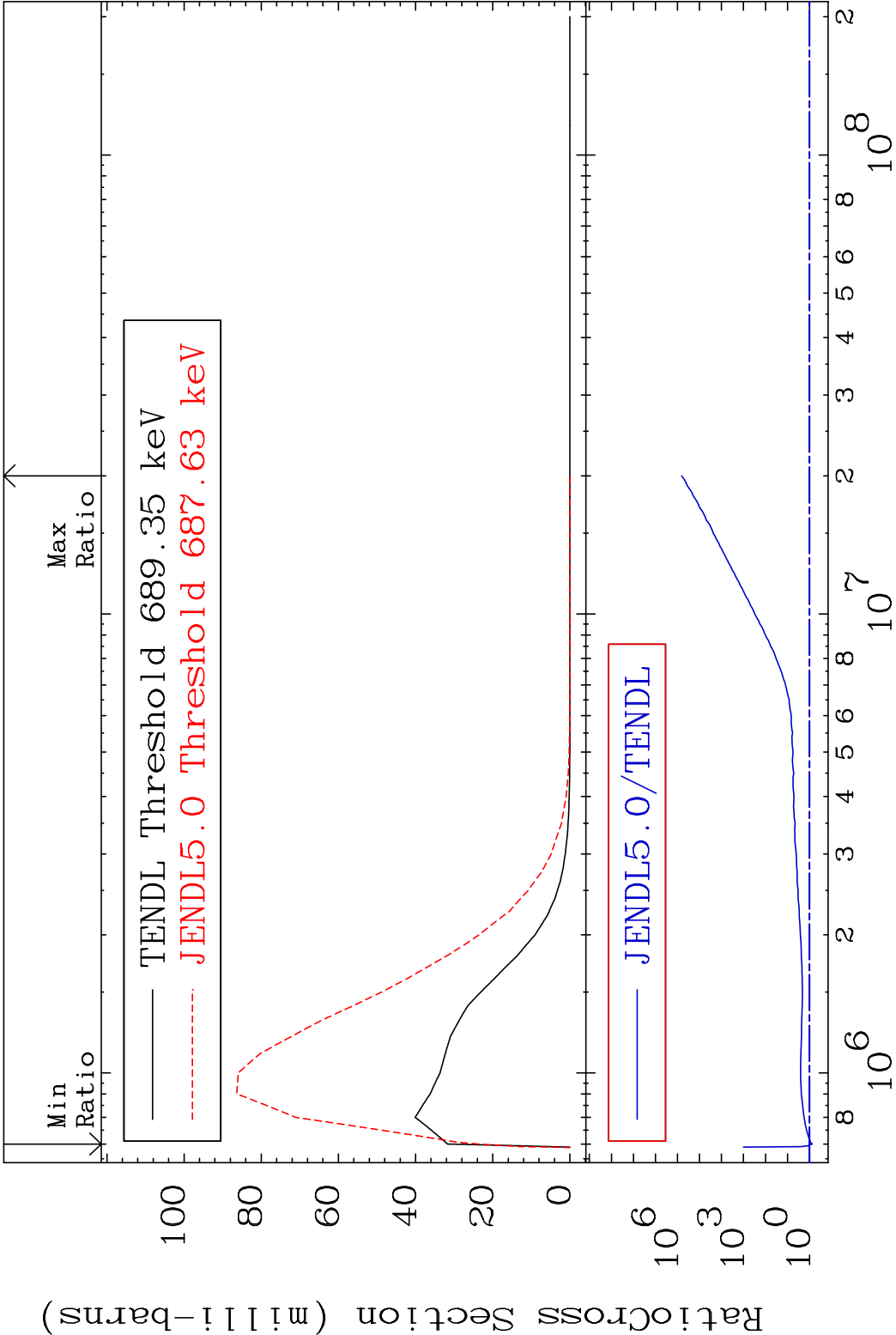


MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157
 Cross Section -93.18 To 9999. %

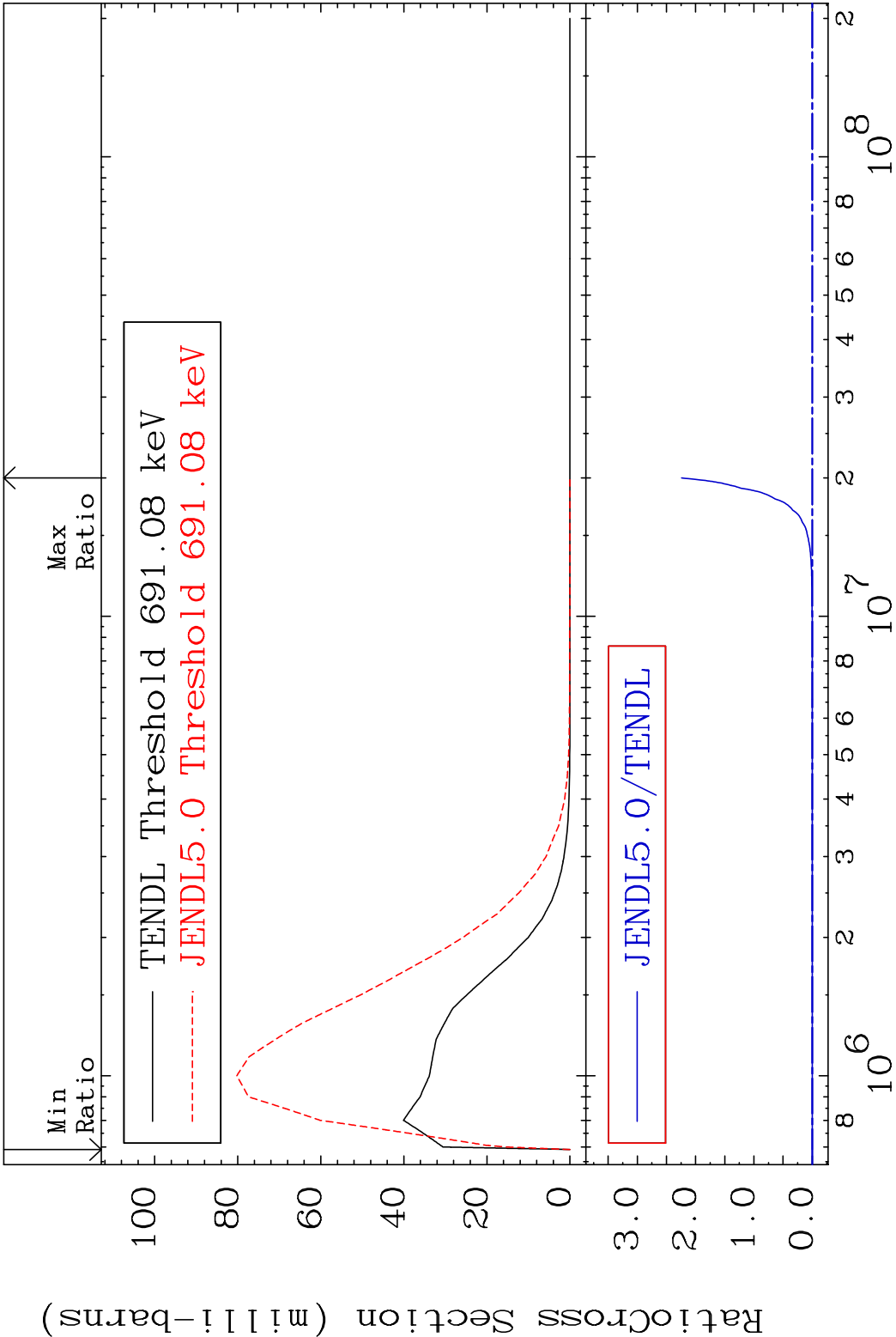




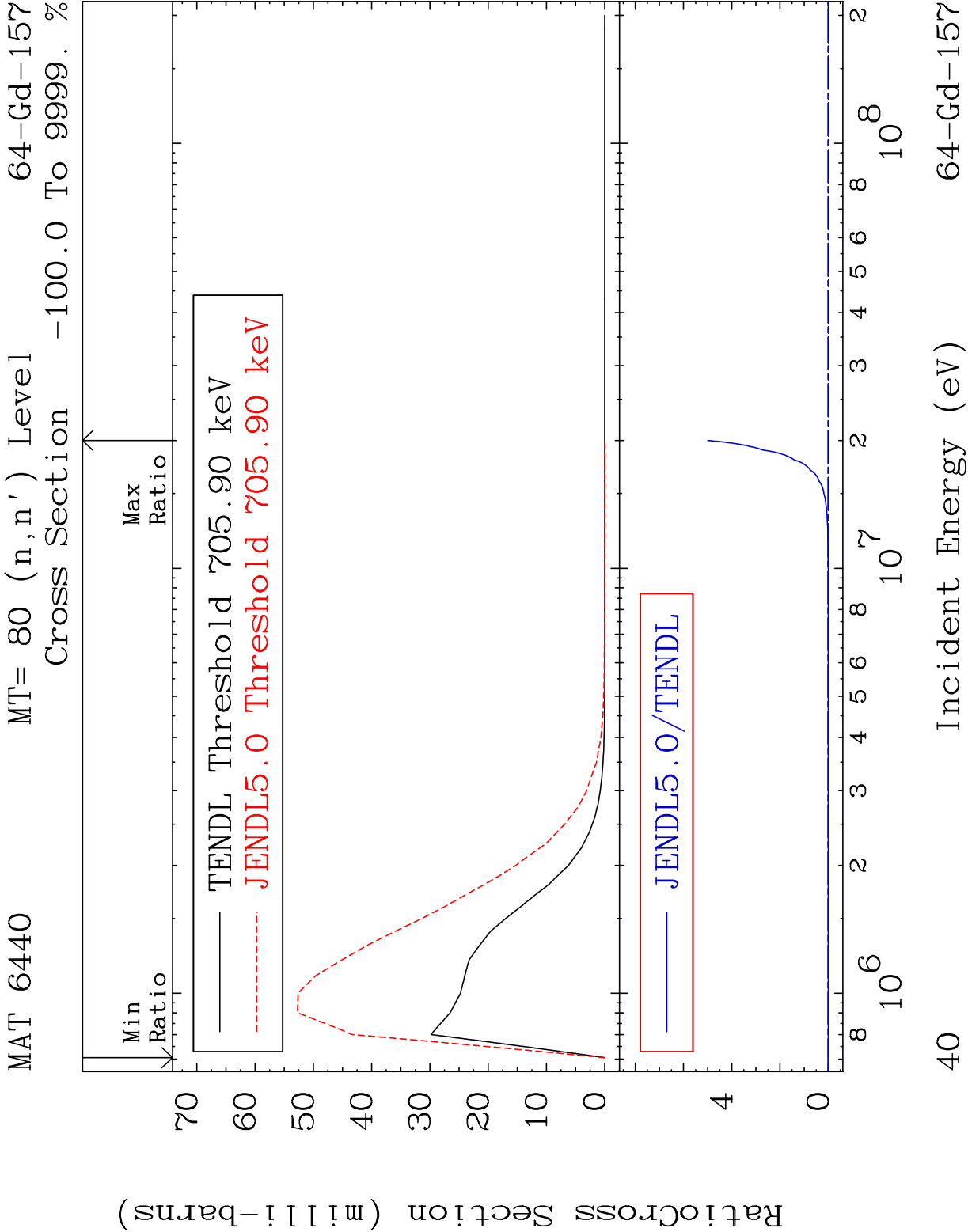
MAT 6440 MT= 78 (n,n') Level 64-Gd-157
Cross Section -24.78 To 9999. %

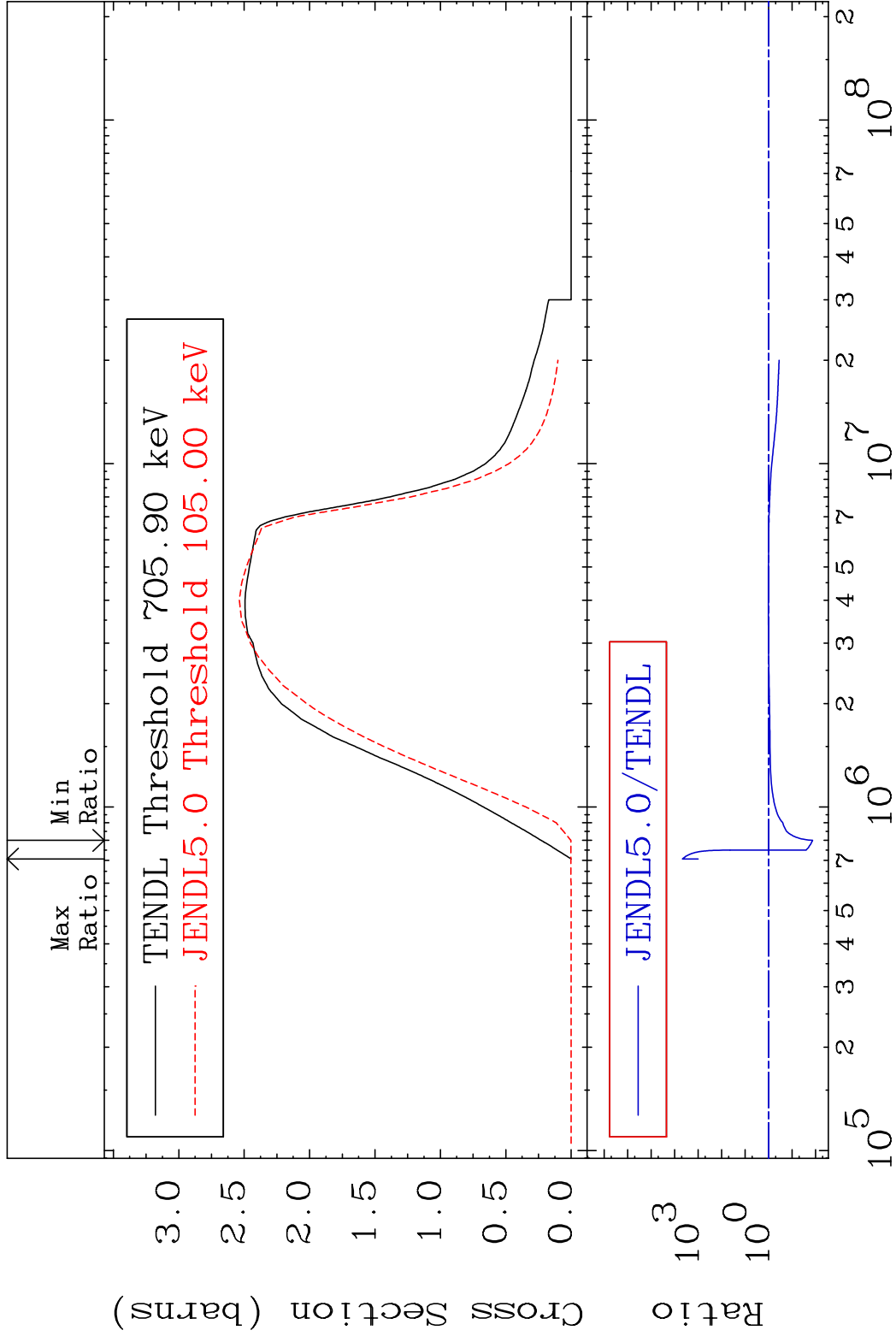


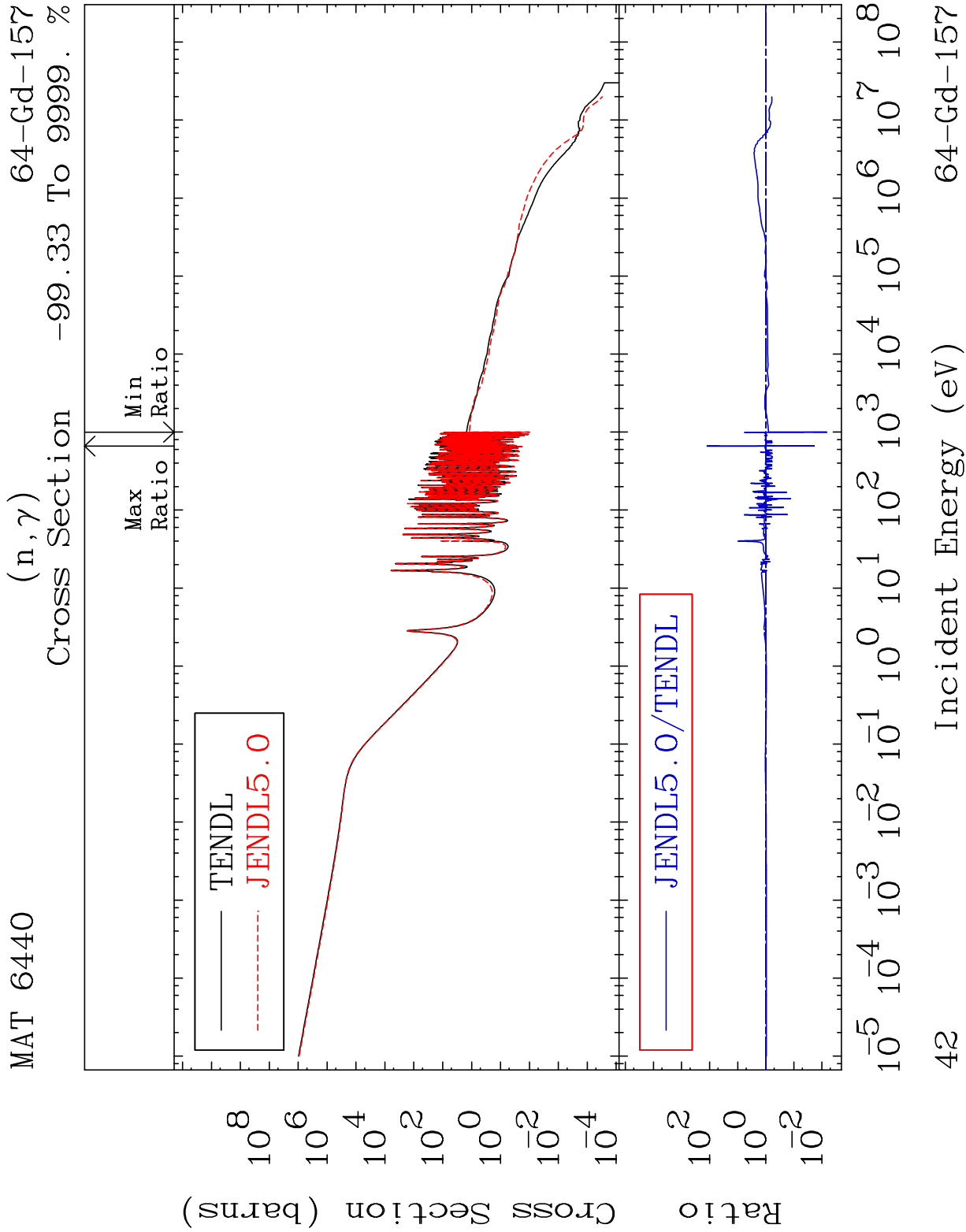
MAT 6440 MT= 79 (n,n') Level 64-Gd-157
 Cross Section -100.0 To 9999. %

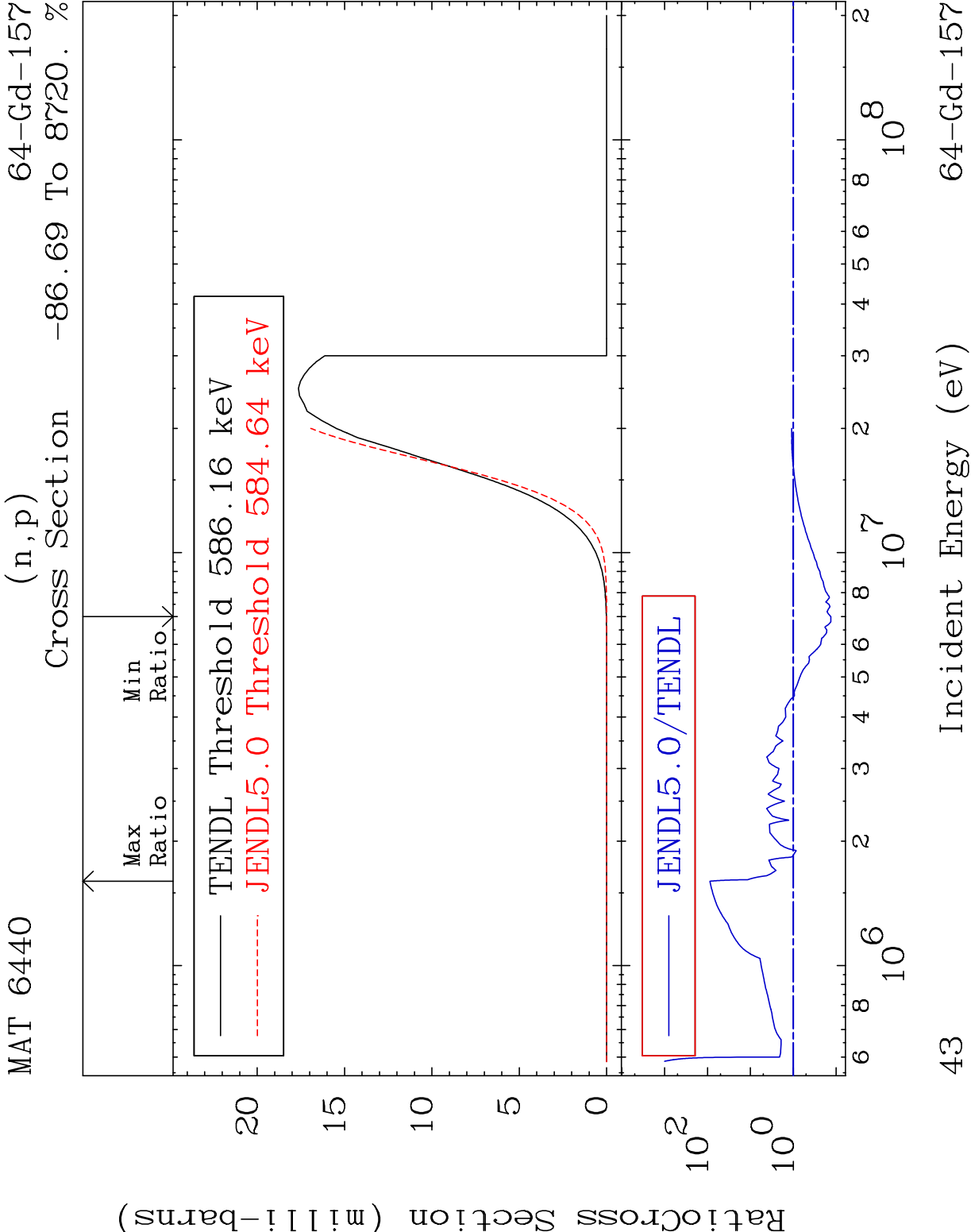


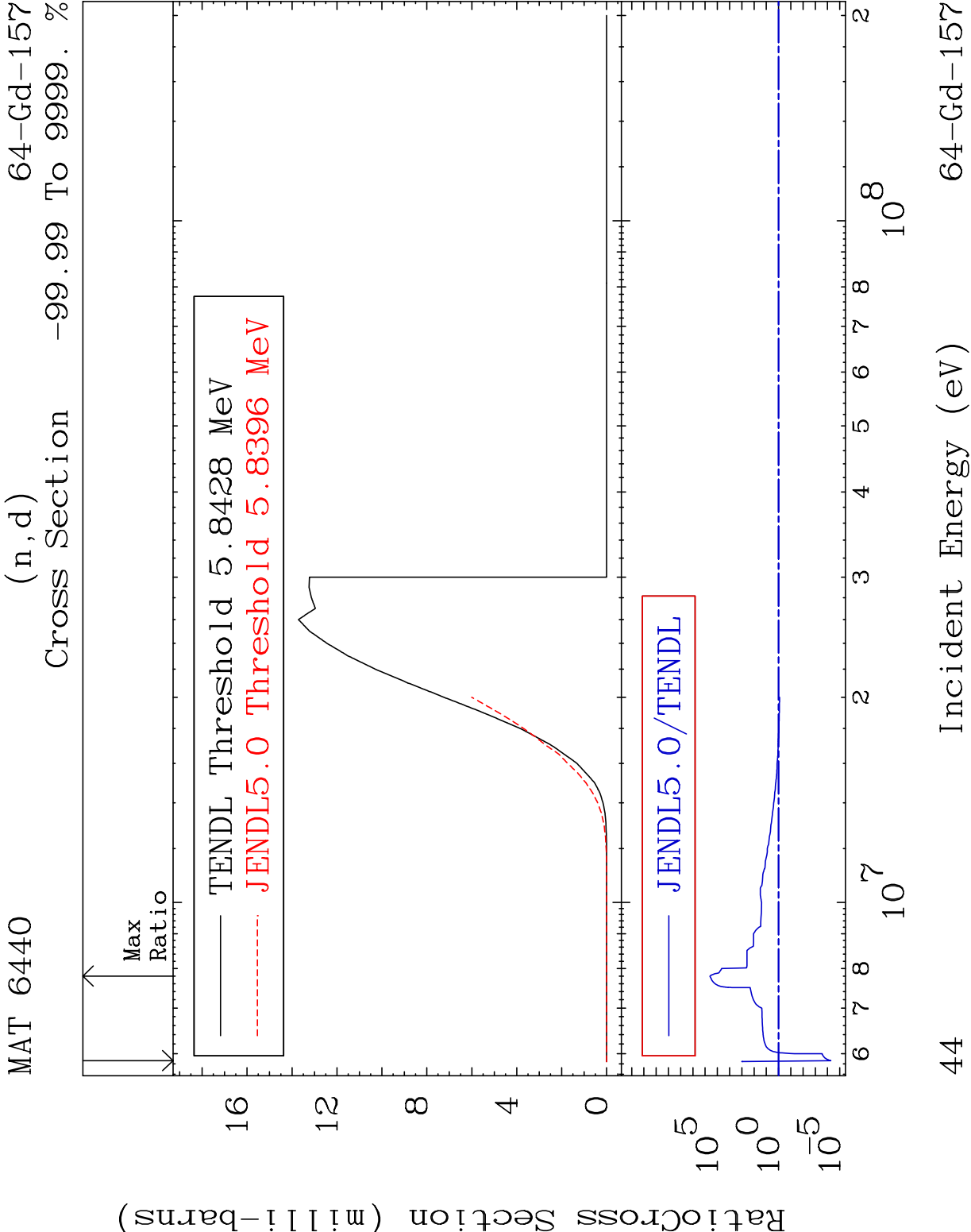
39 Incident Energy (eV) 64-Gd-157

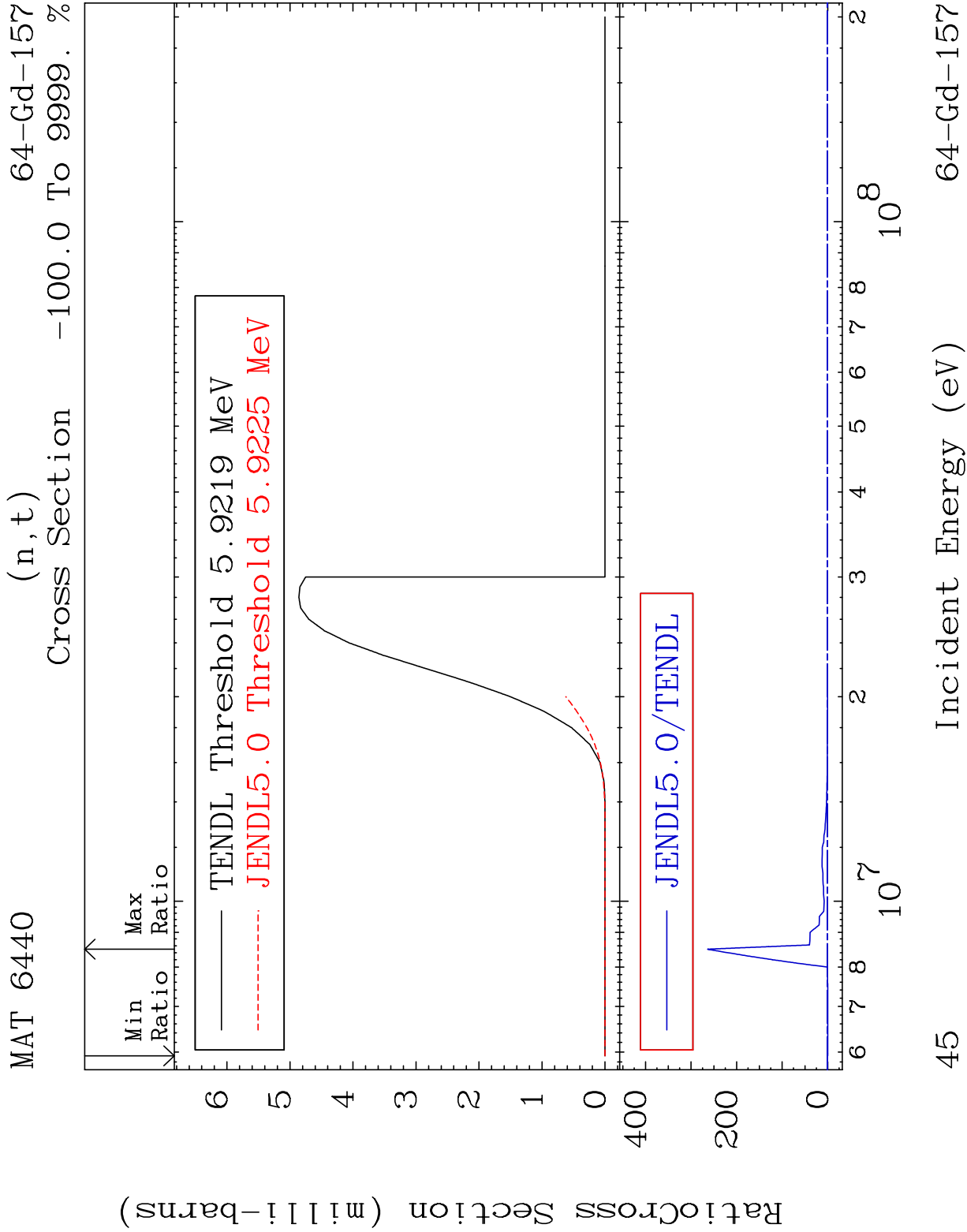


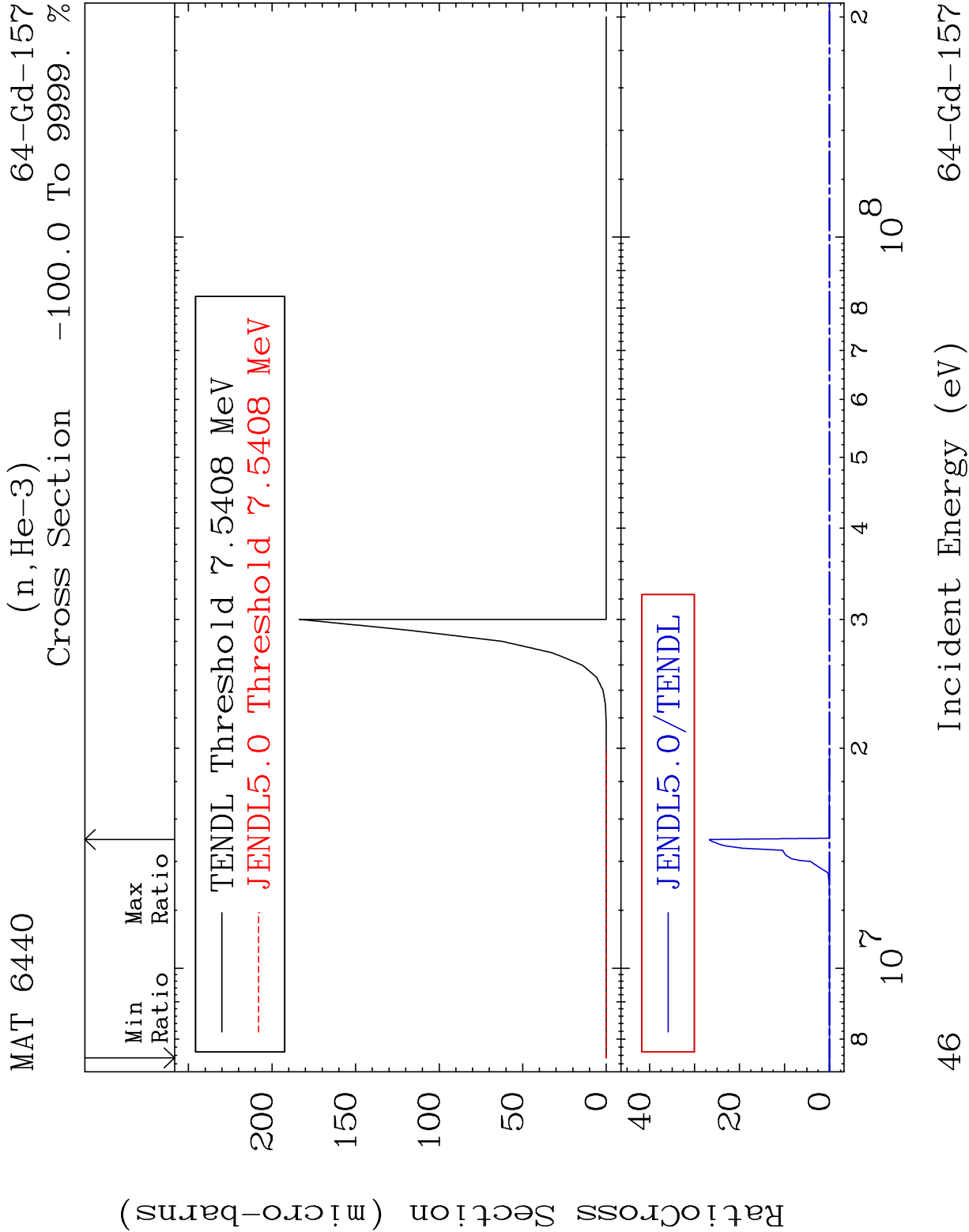


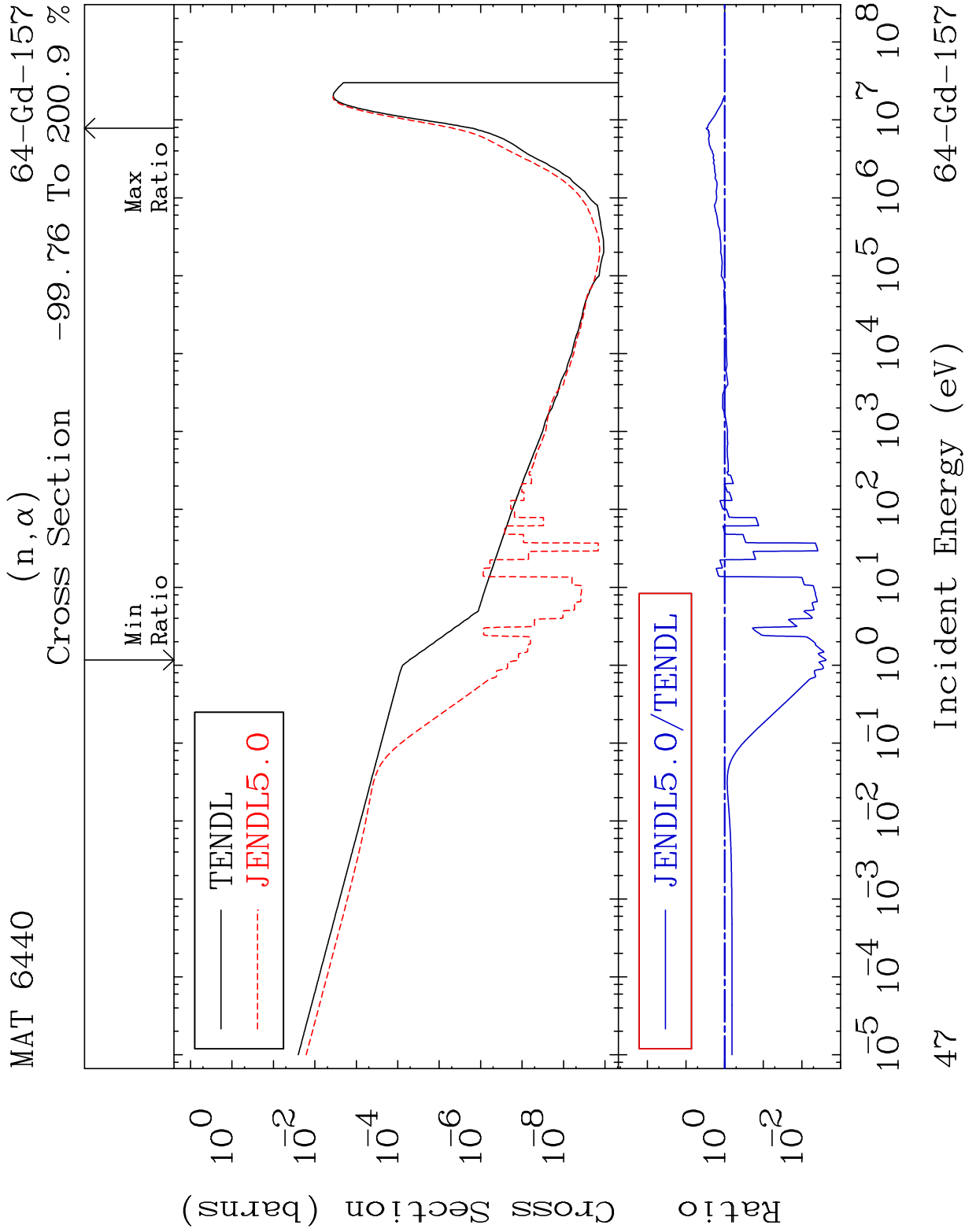


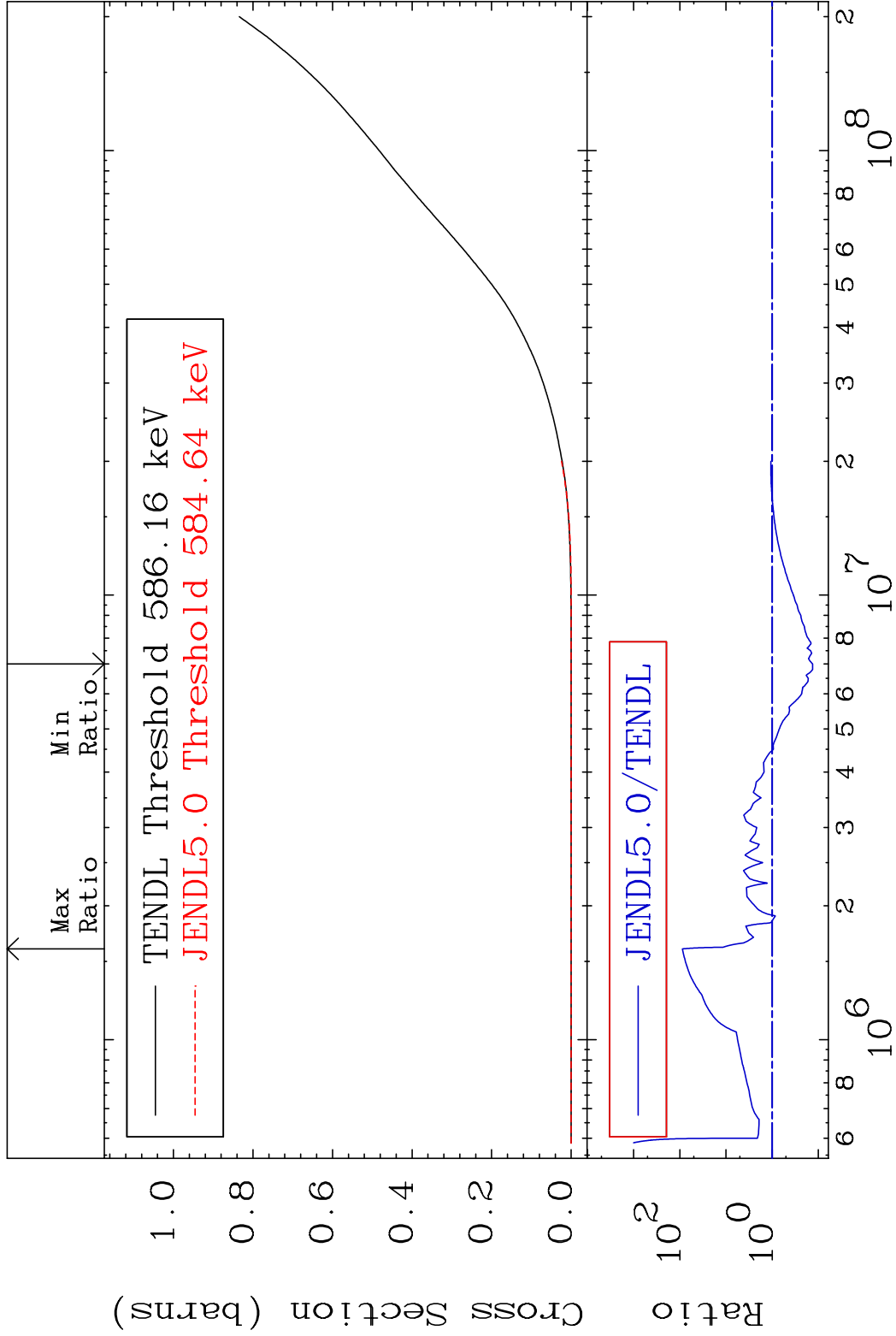


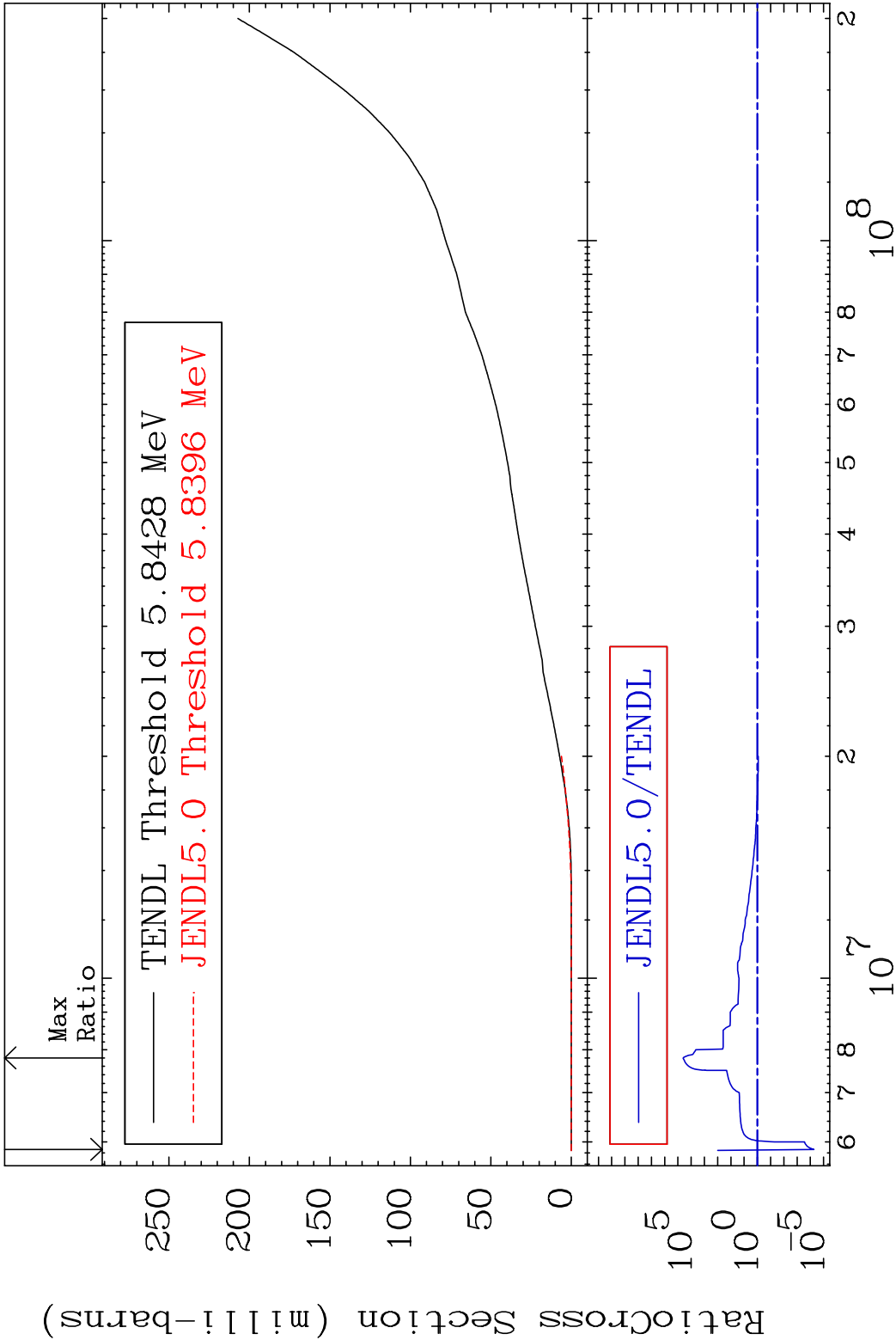


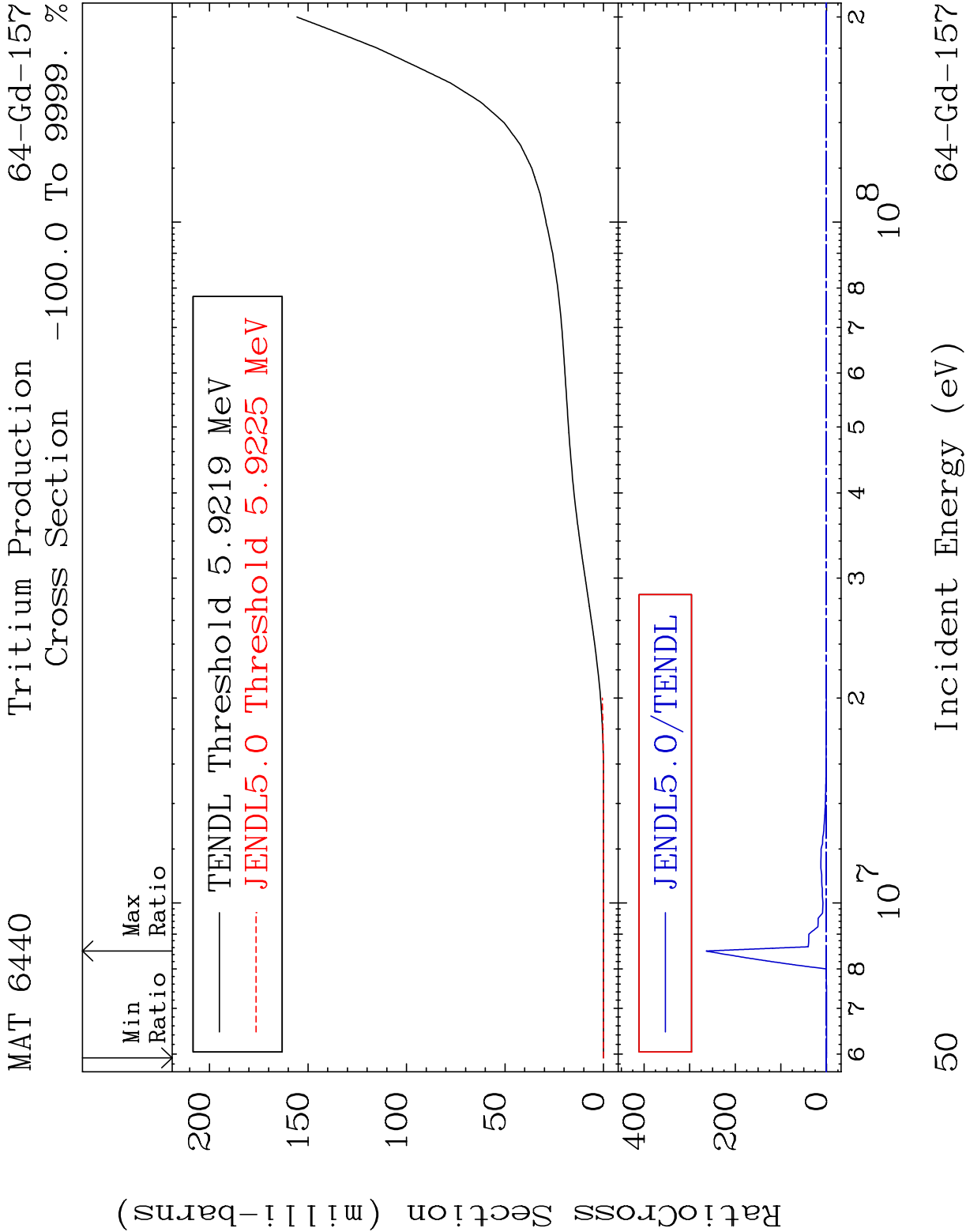


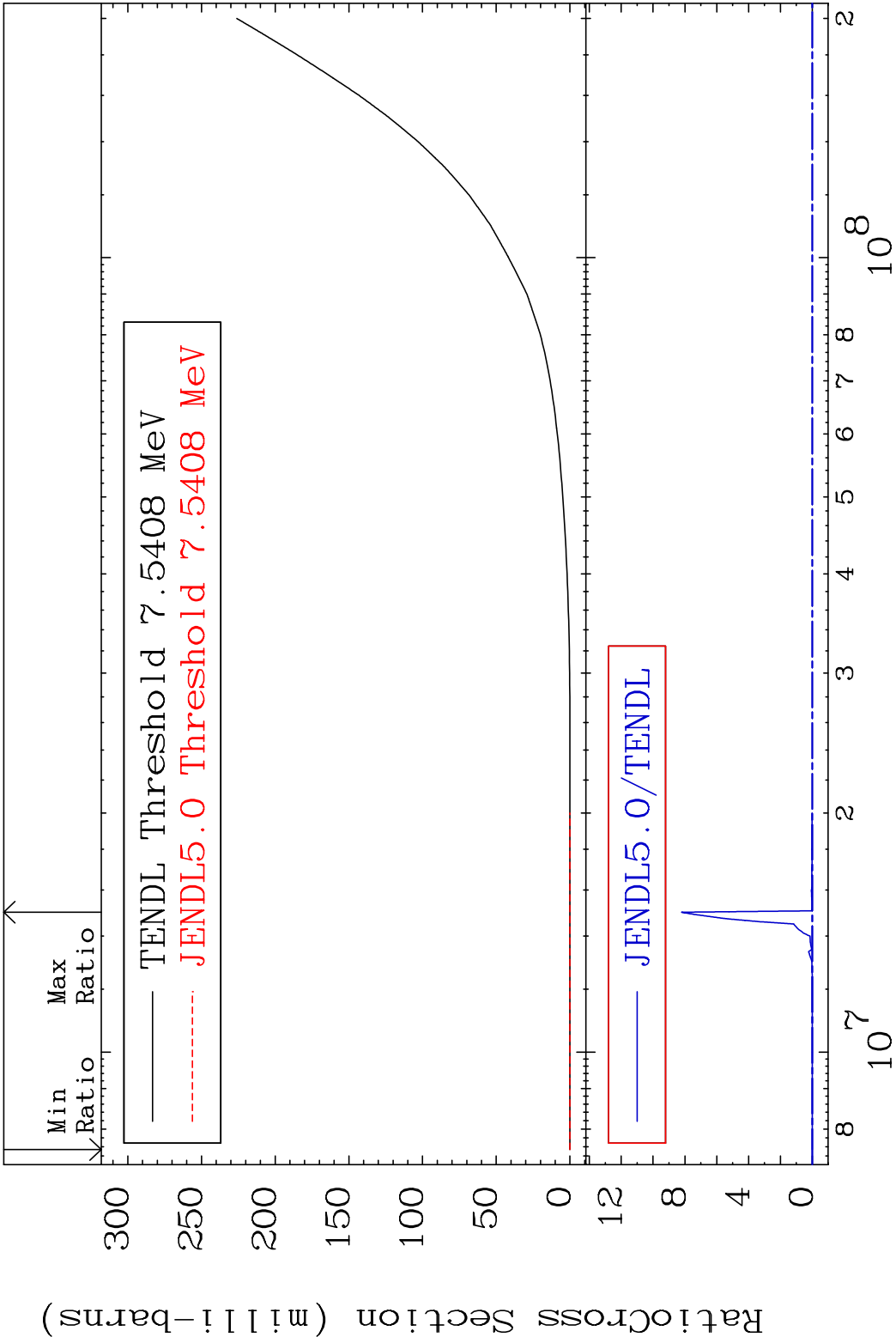




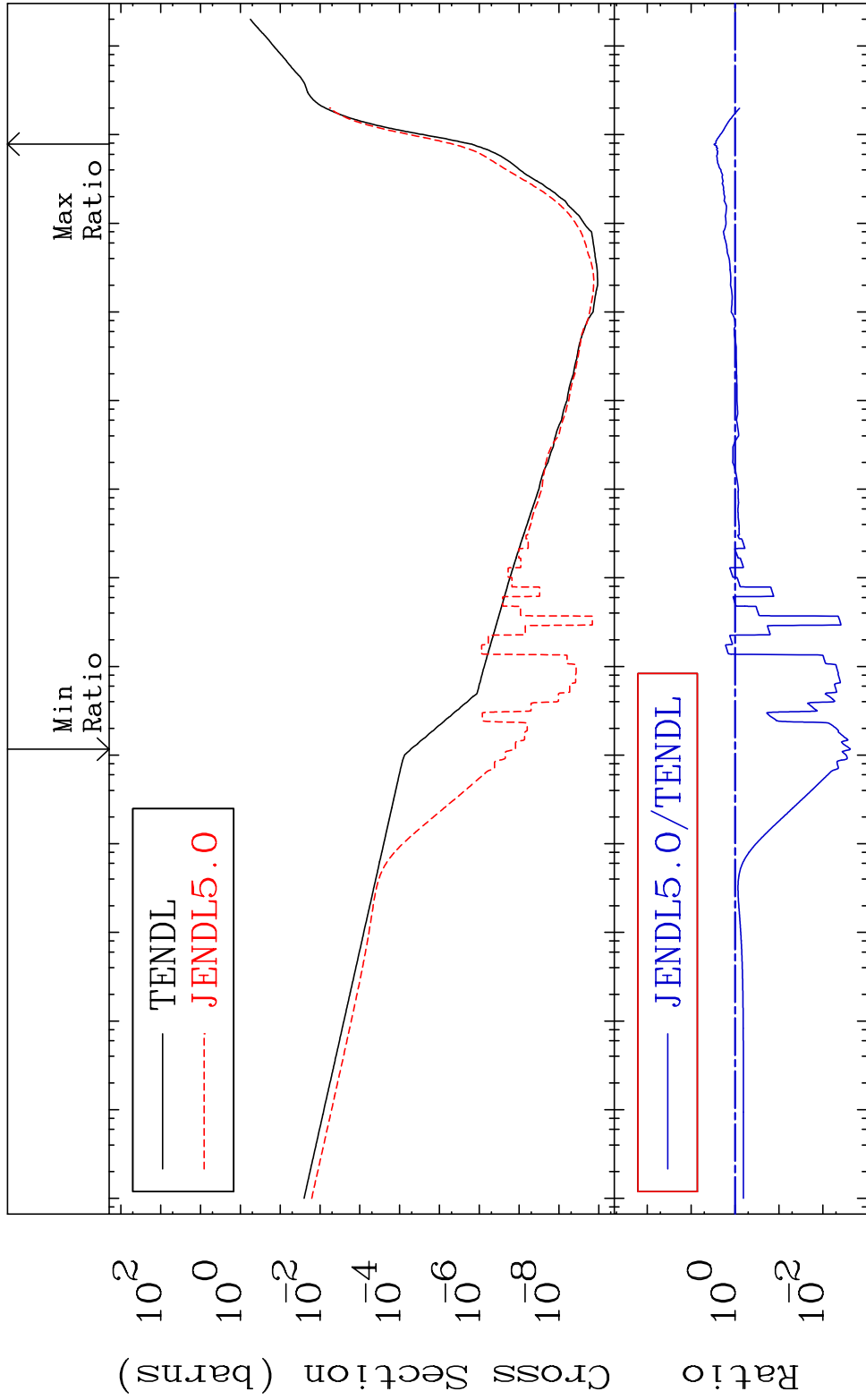






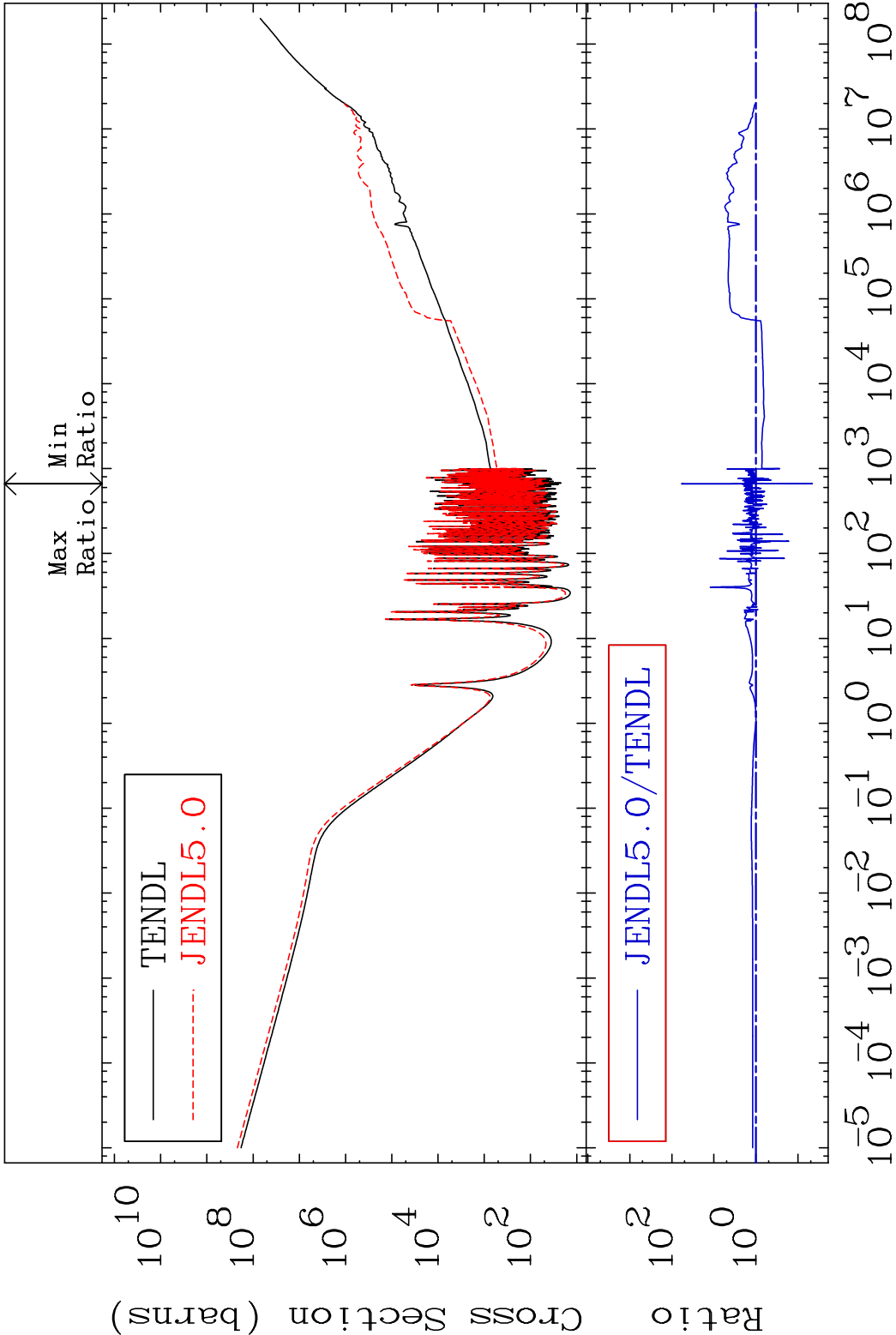


MAT 6440 He-4 Production 64-Gd-157
Cross Section -99.76 To 201.0 %

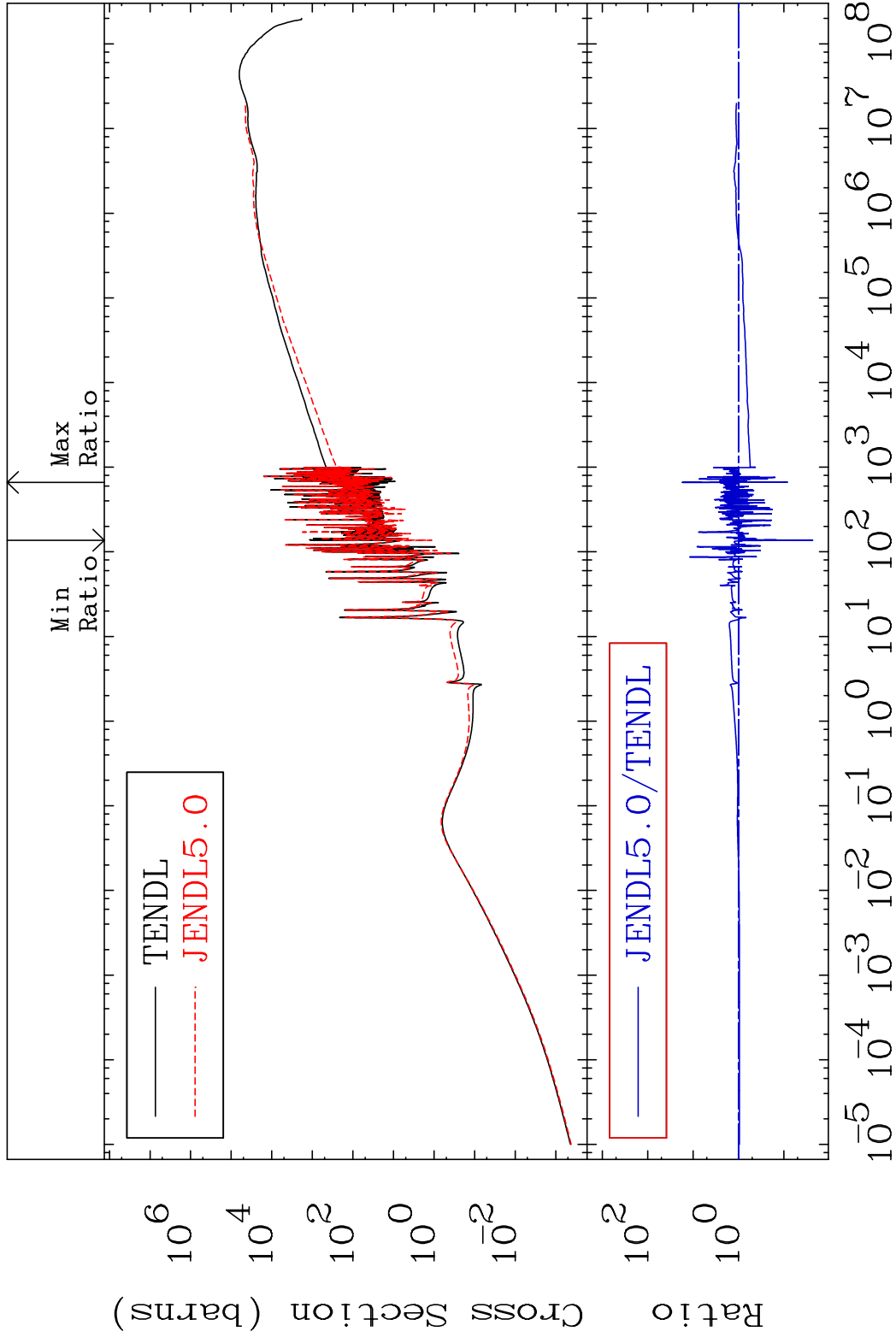


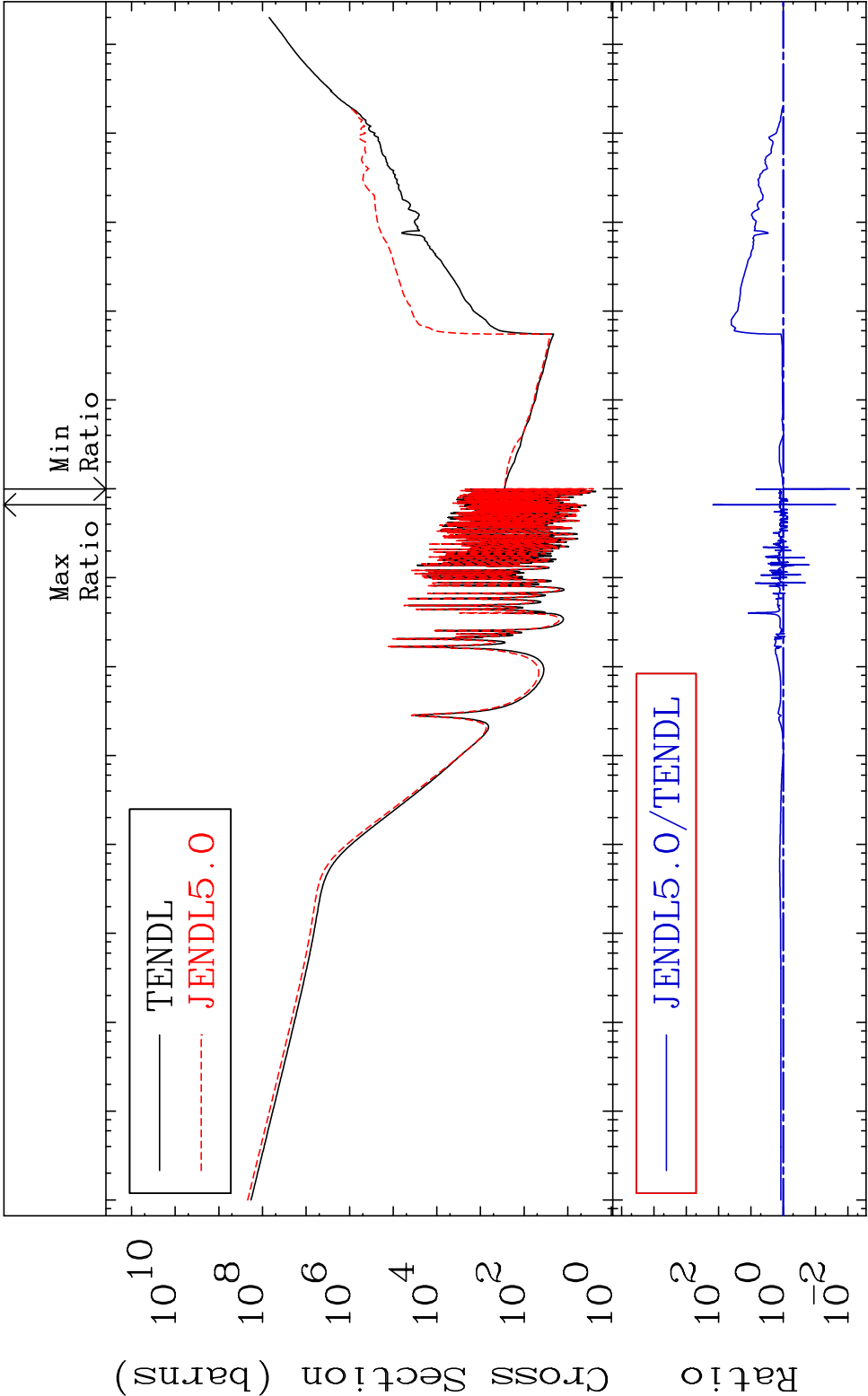
52 Incident Energy (eV) 64-Gd-157

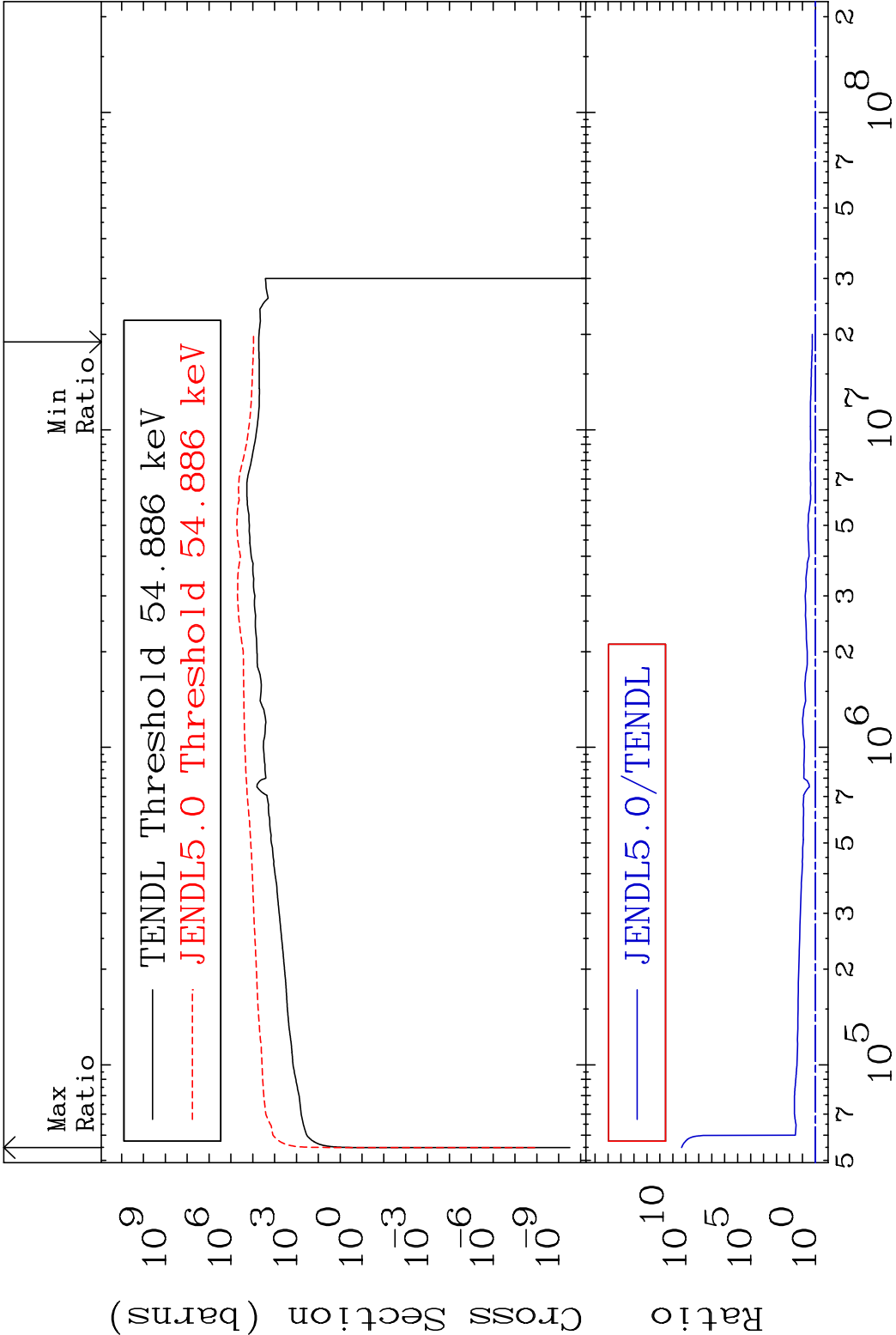
MAT 6440 Kerma total (eV-barns) 64-Gd-157
Cross Section -95.43 To 5713. %

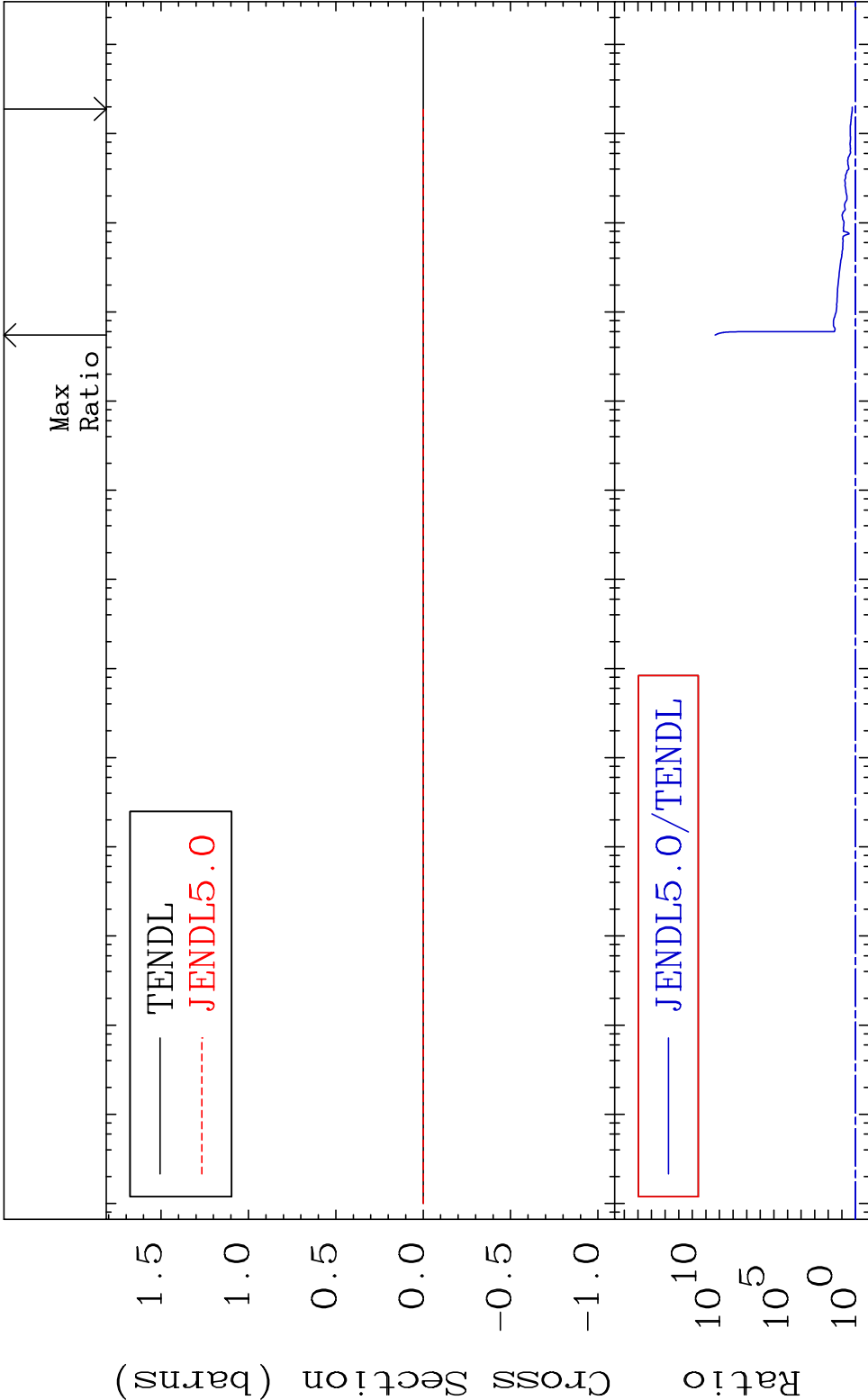


MAT 6440 Kerma elastic 64-Gd-157
Cross Section -97.65 To 1626. %

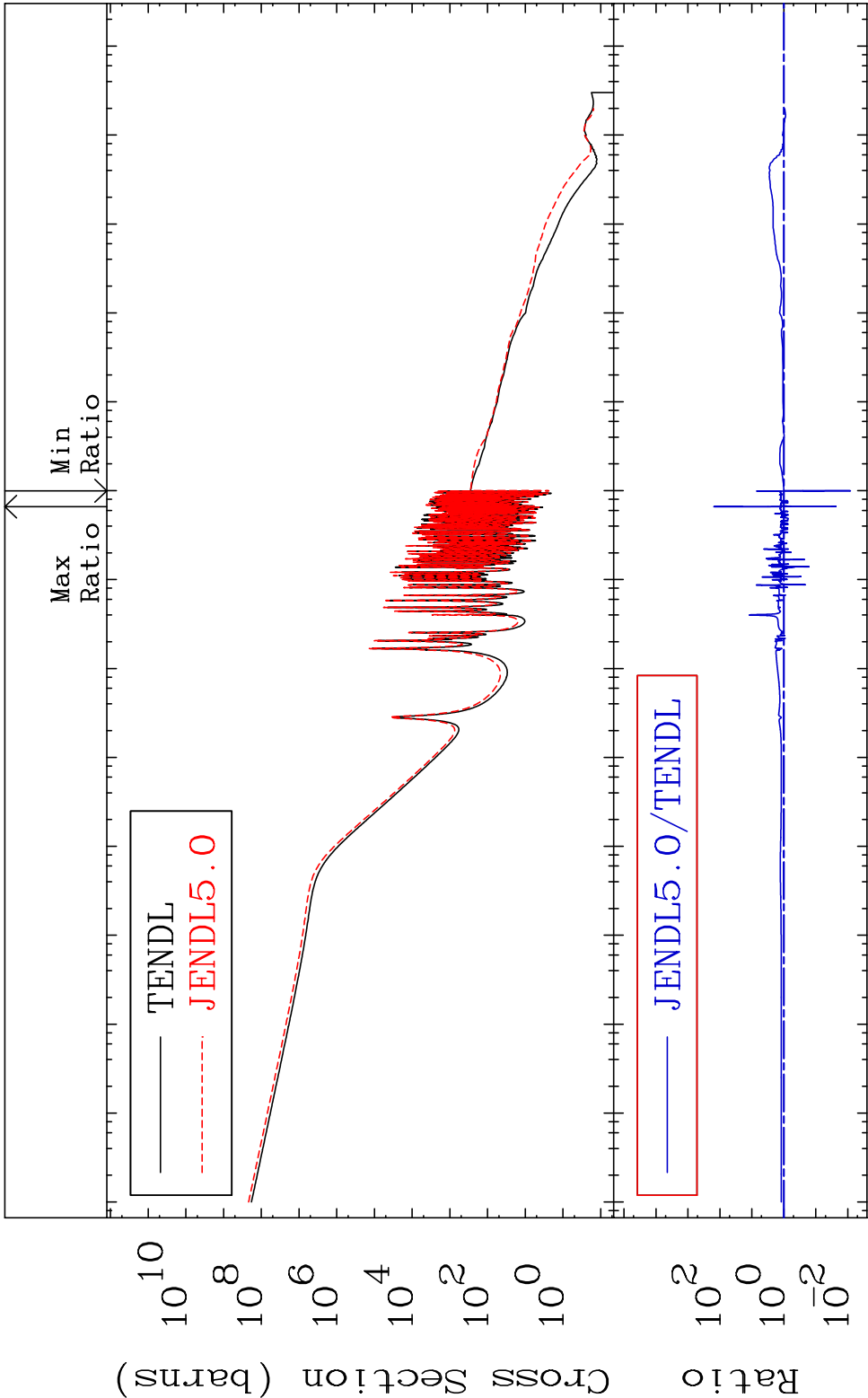




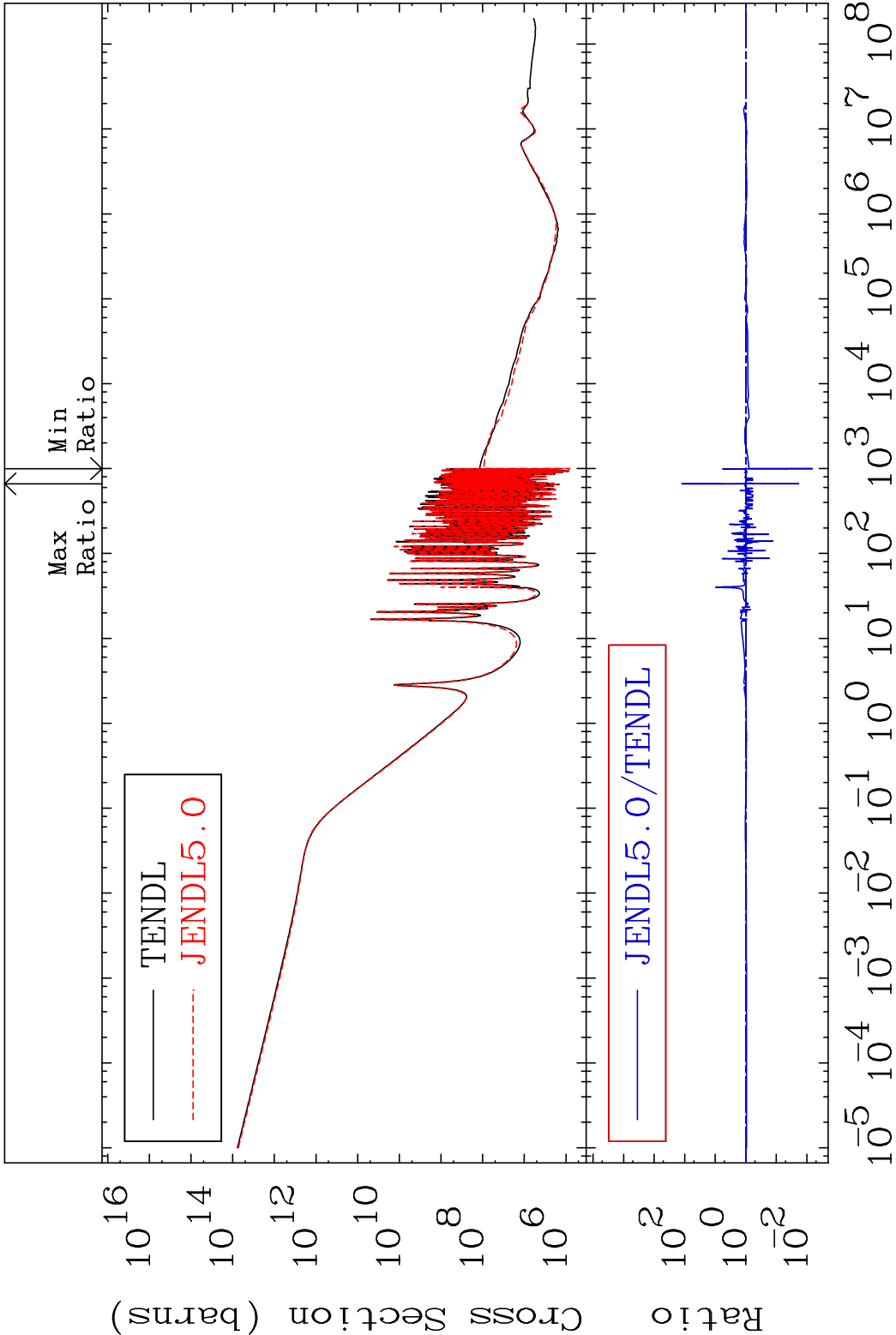




MAT 6440 Kerma capture (mt102) 64-Gd-157
Cross Section -99.17 To 9999. %

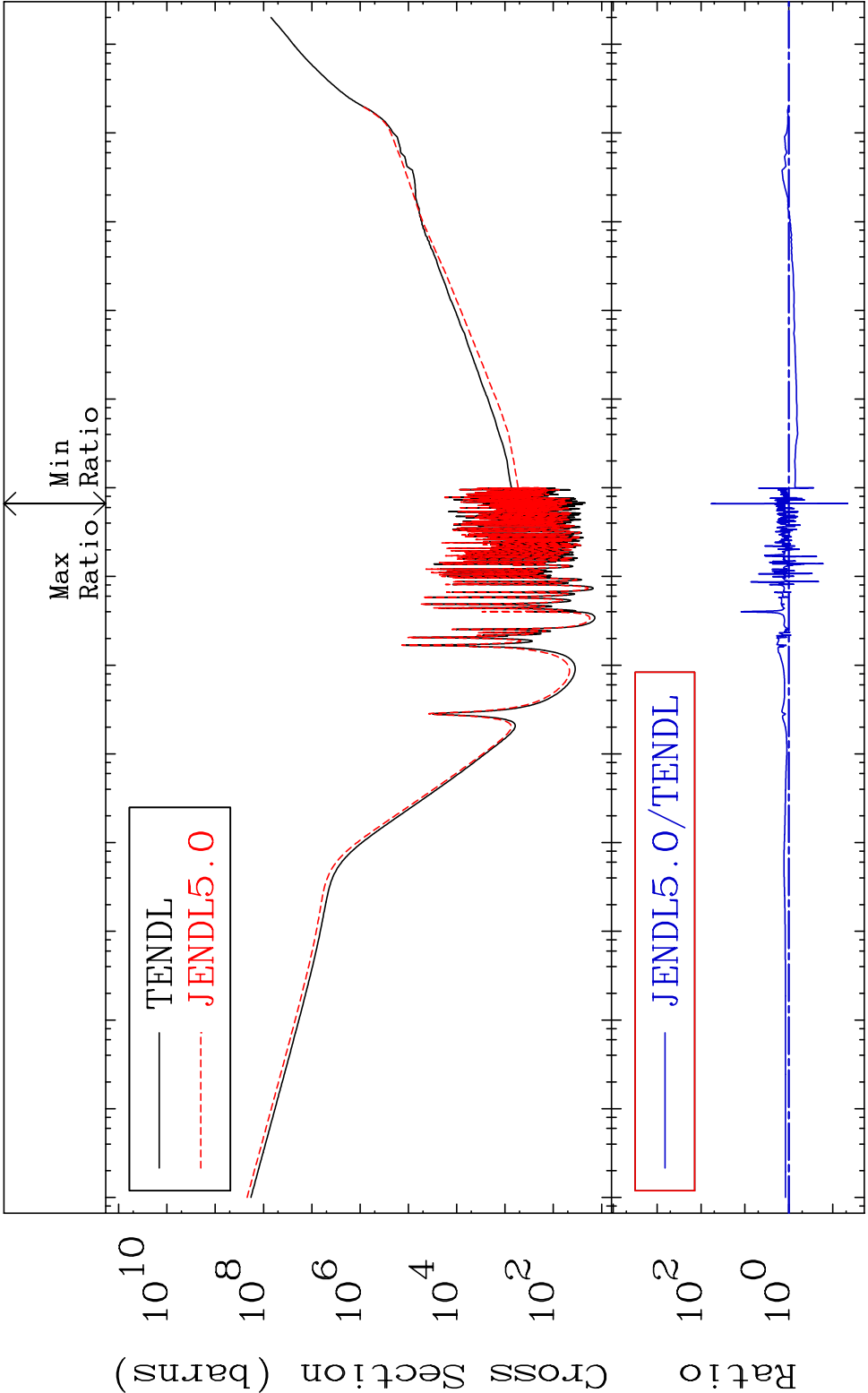


MAT 6440 Total photon (eV-barns) 64-Gd-157
Cross Section -99.34 To 9999. %



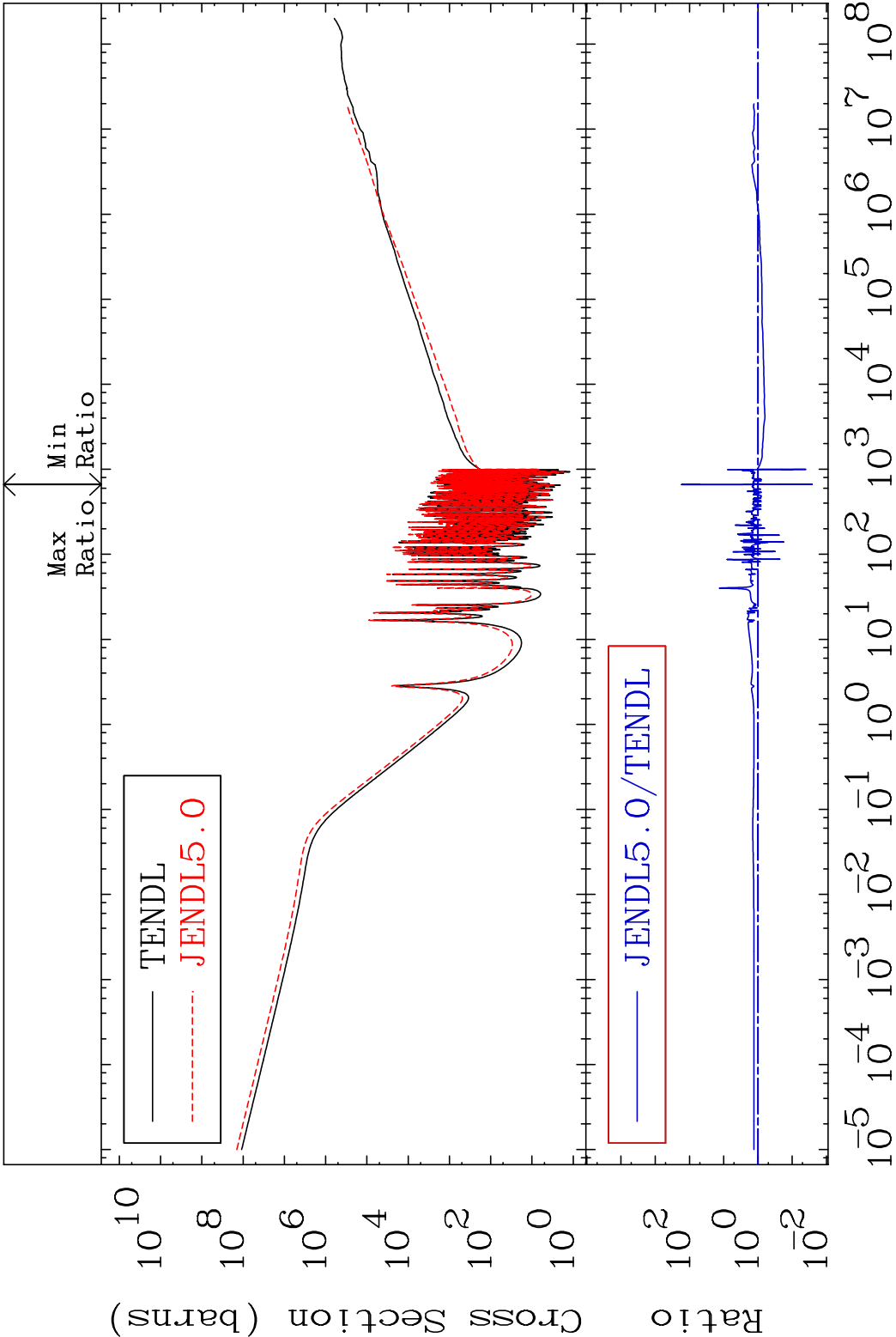
59 Incident Energy (eV) 64-Gd-157

MAT 6440 Total kinematic kerma (high limit) 64-Gd-157
Cross Section -95.43 To 5713. %



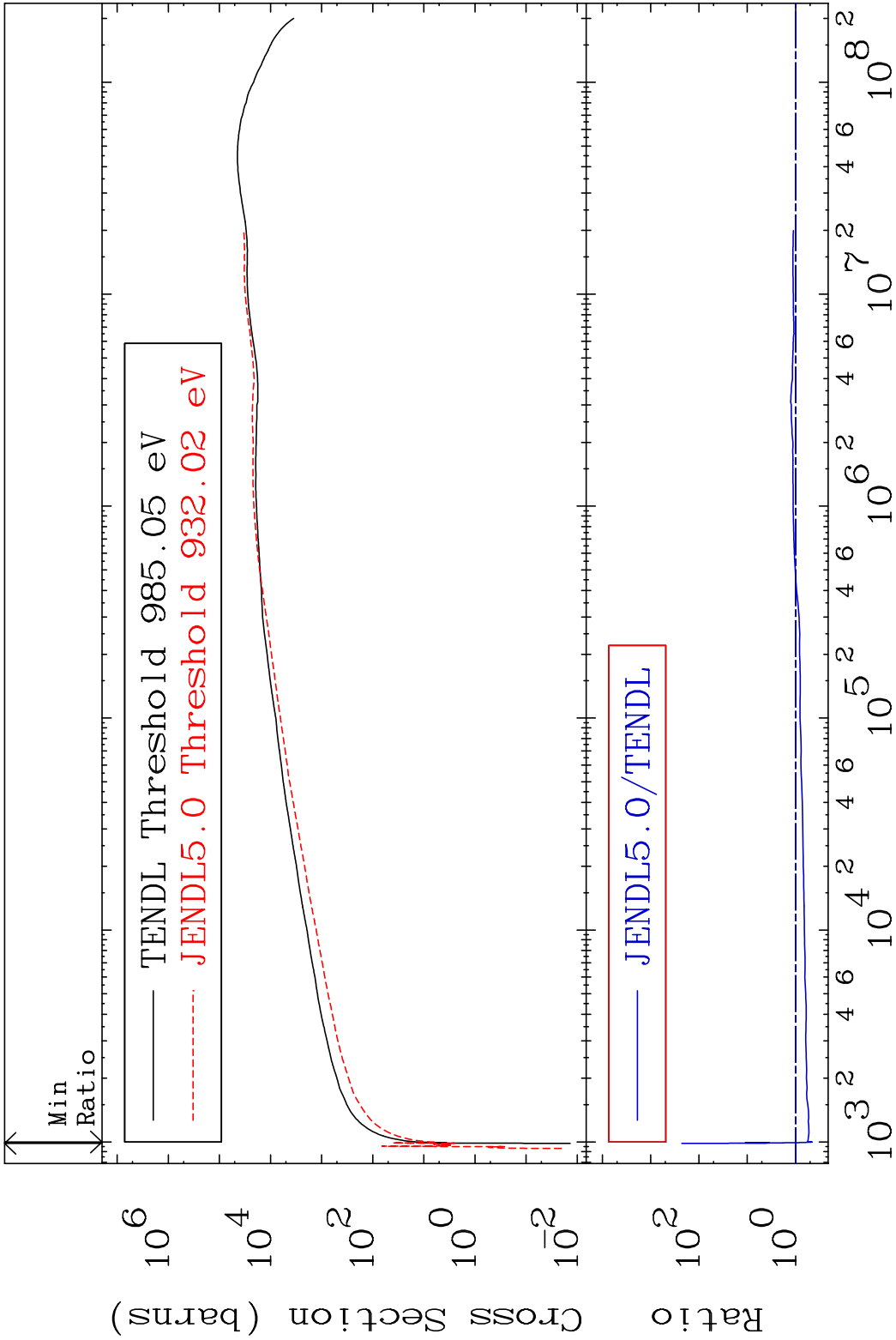
60 Incident Energy (eV) 64-Gd-157

MAT 6440 Dpa total (eV-barns) 64-Gd-157
Cross Section -97.40 To 9999. %

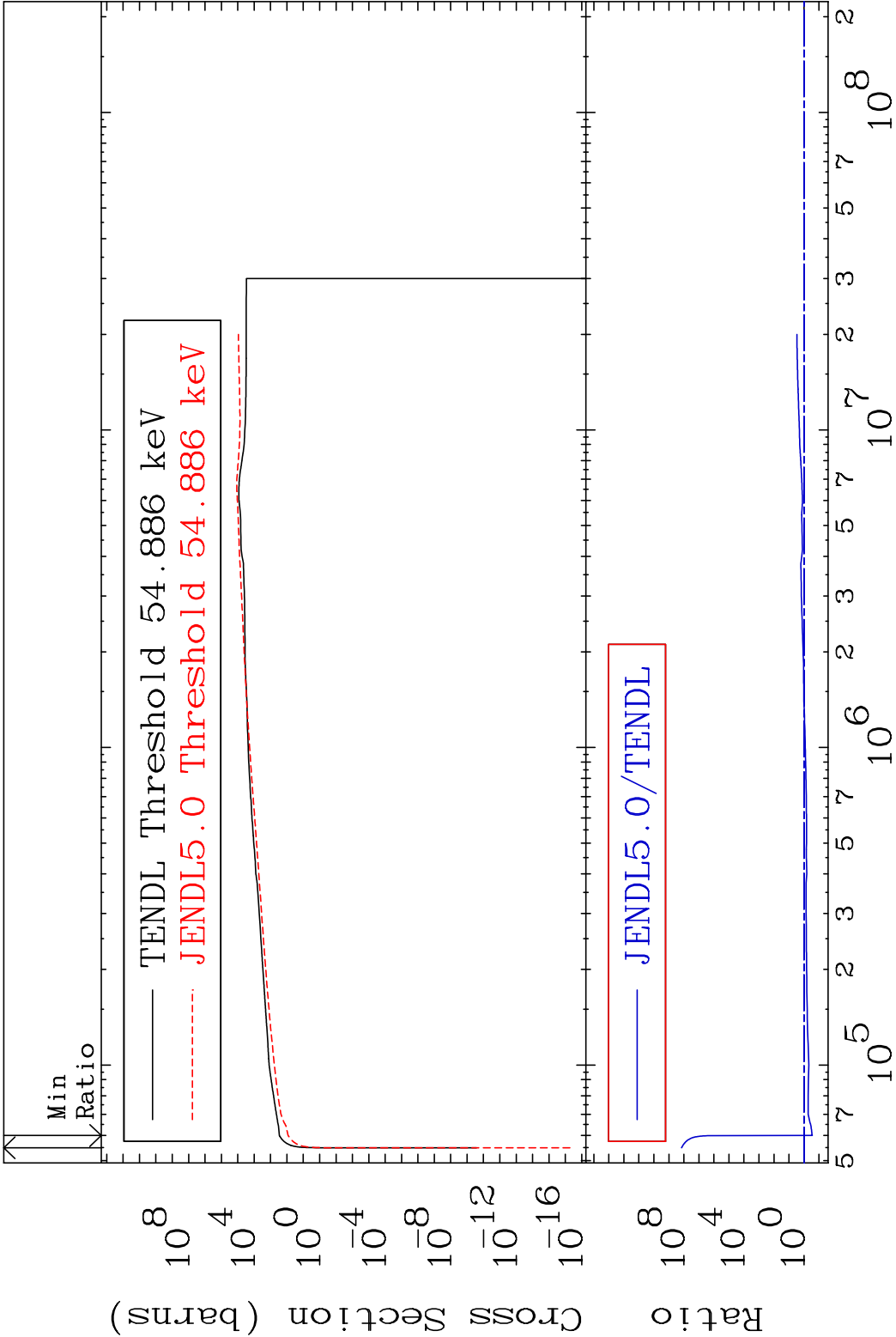


61 Incident Energy (eV) 64-Gd-157

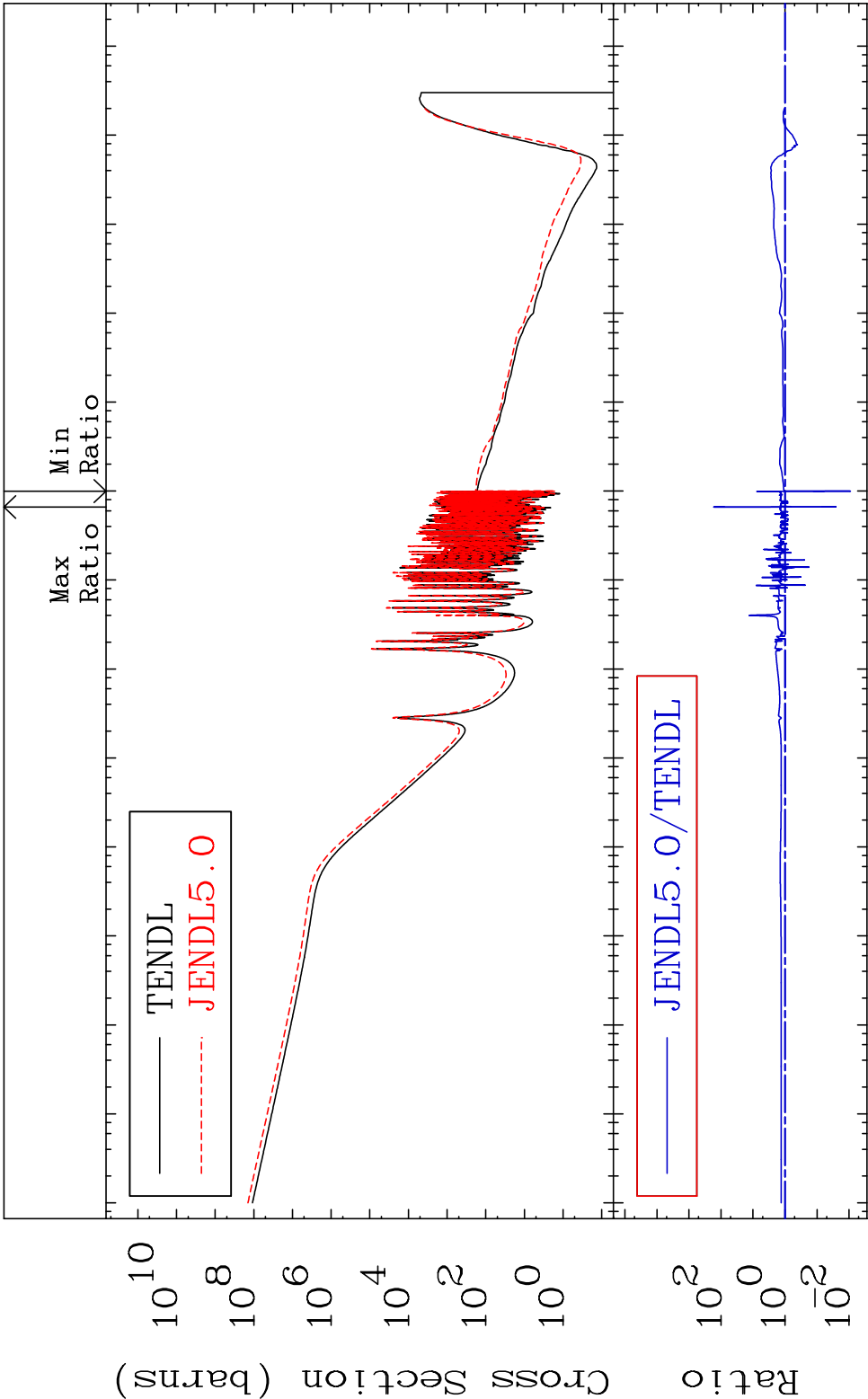
MAT 6440 Dpa elastic (mt2) 64-Gd-157
Cross Section -54.96 To 9999. %



62 Incident Energy (eV) 64-Gd-157



MAT 6440 Dpa disappearance (mt102 -120) 64-Gd-157
Cross Section -99.09 To 9999. %



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

64 Incident Energy (eV) 64-Gd-157