

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

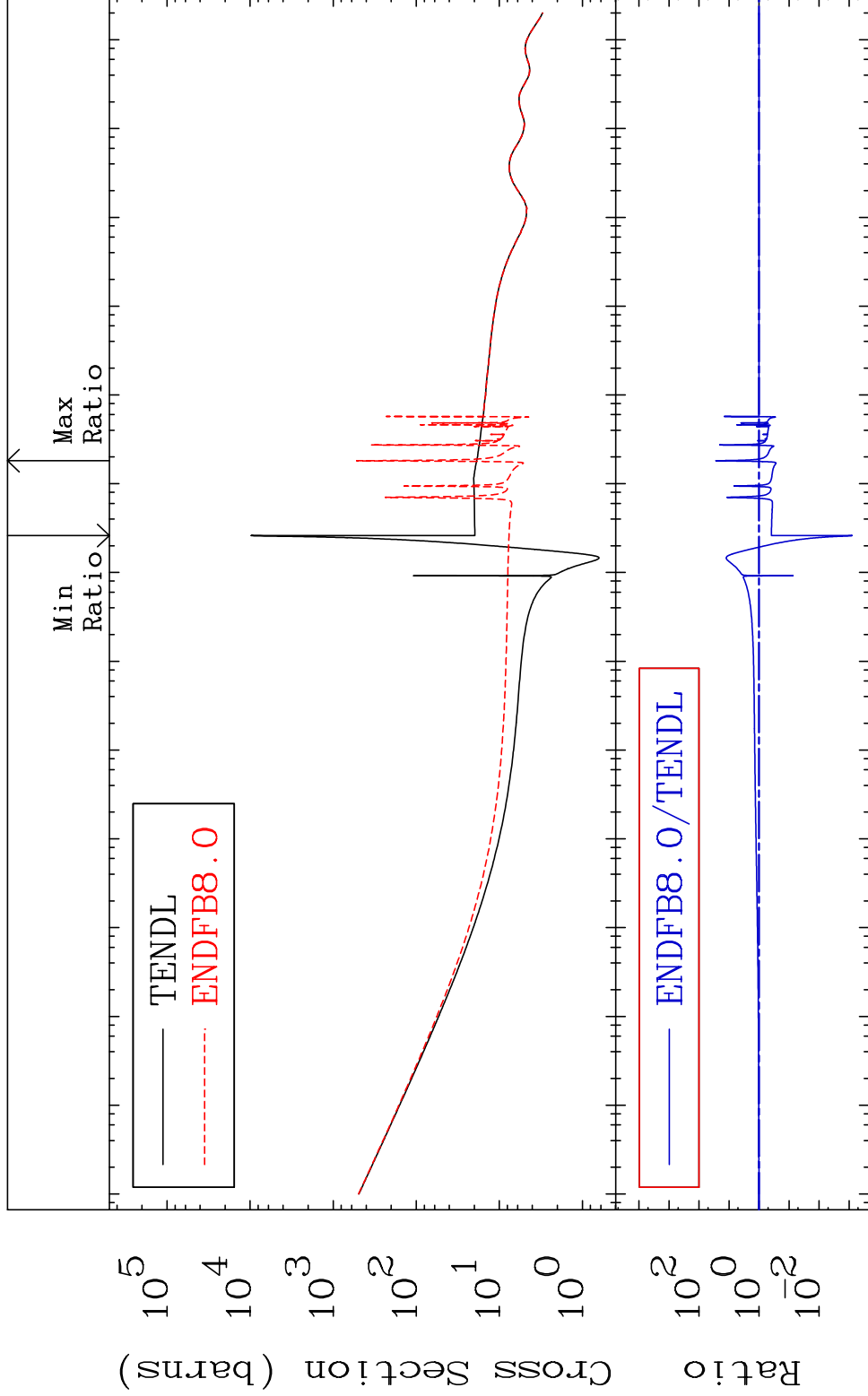
Press Mouse Button to Start

MAT 8431

Total

84-Po-208

Cross Section -99.92 To 2688. %



1

Incident Energy (eV)

84-Po-208

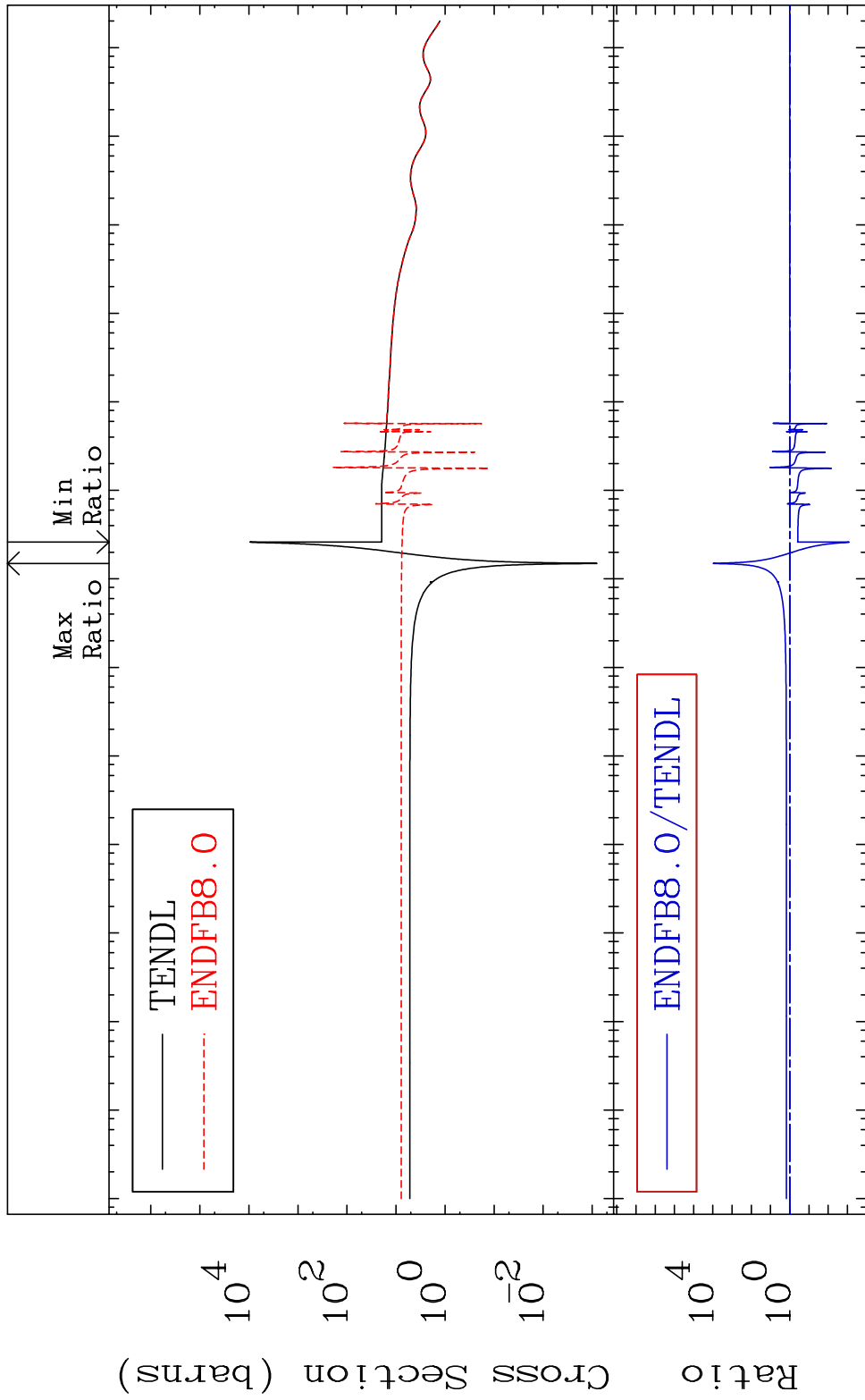
MAT 8431

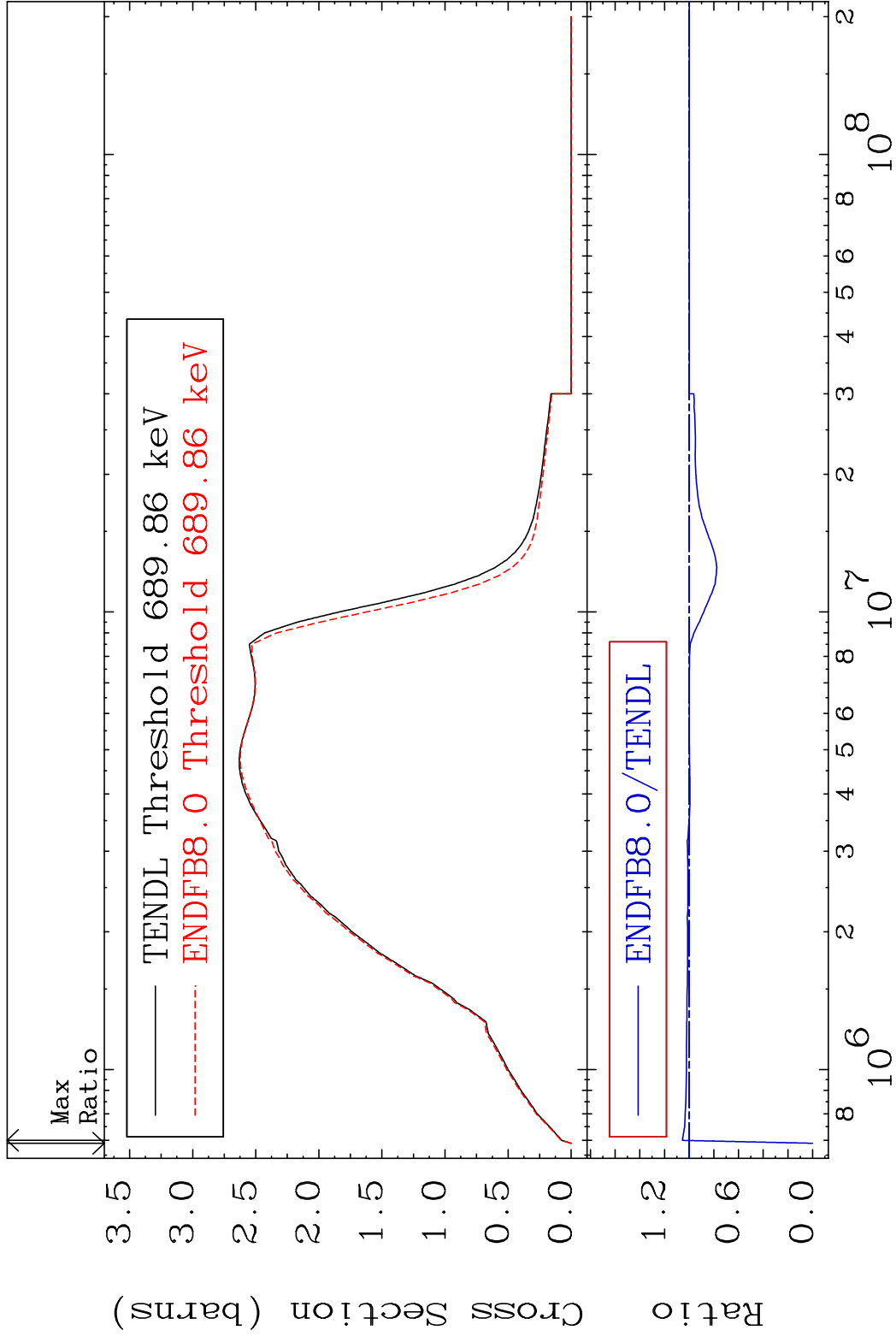
Elastic

84-Po-208

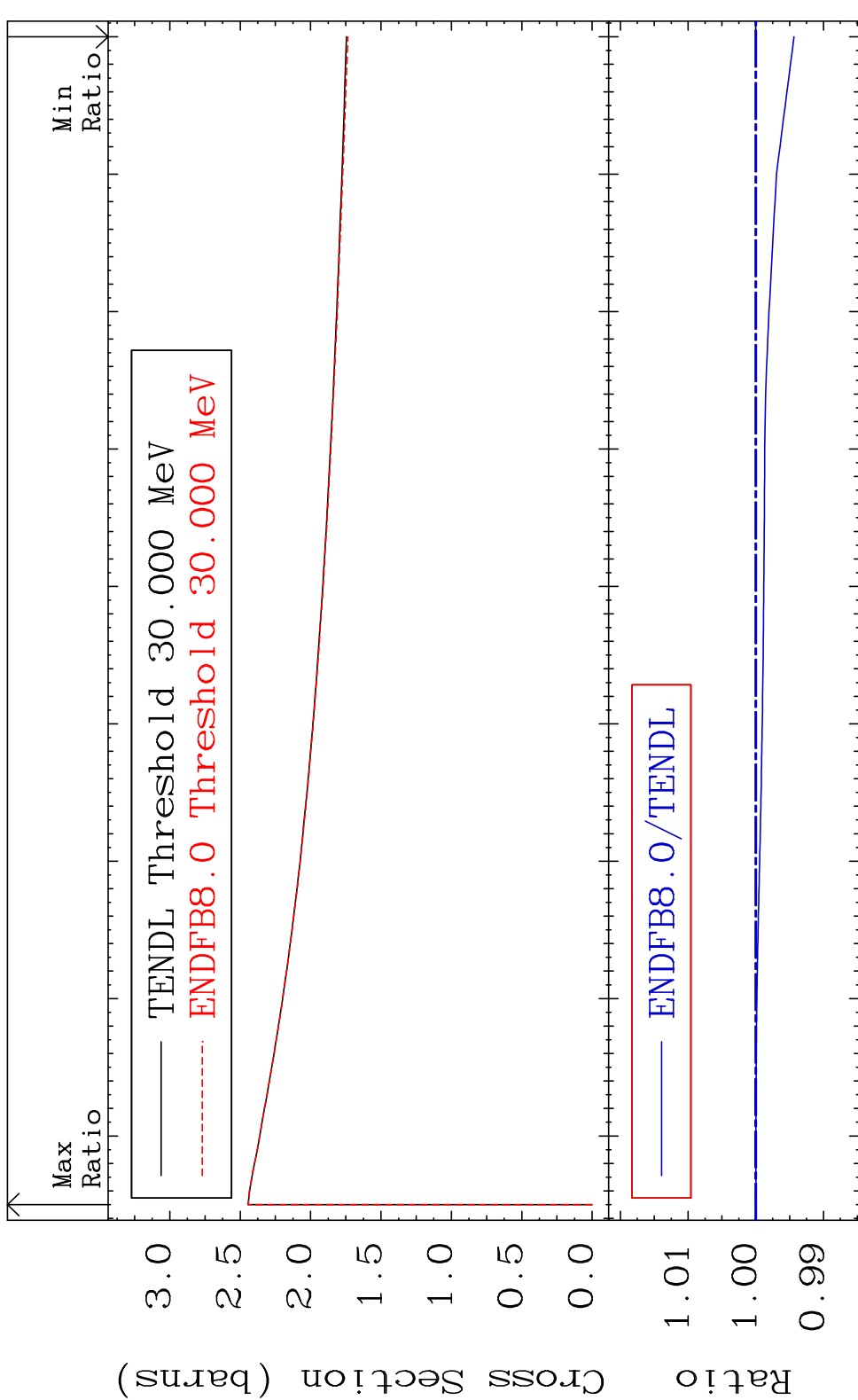
Cross Section

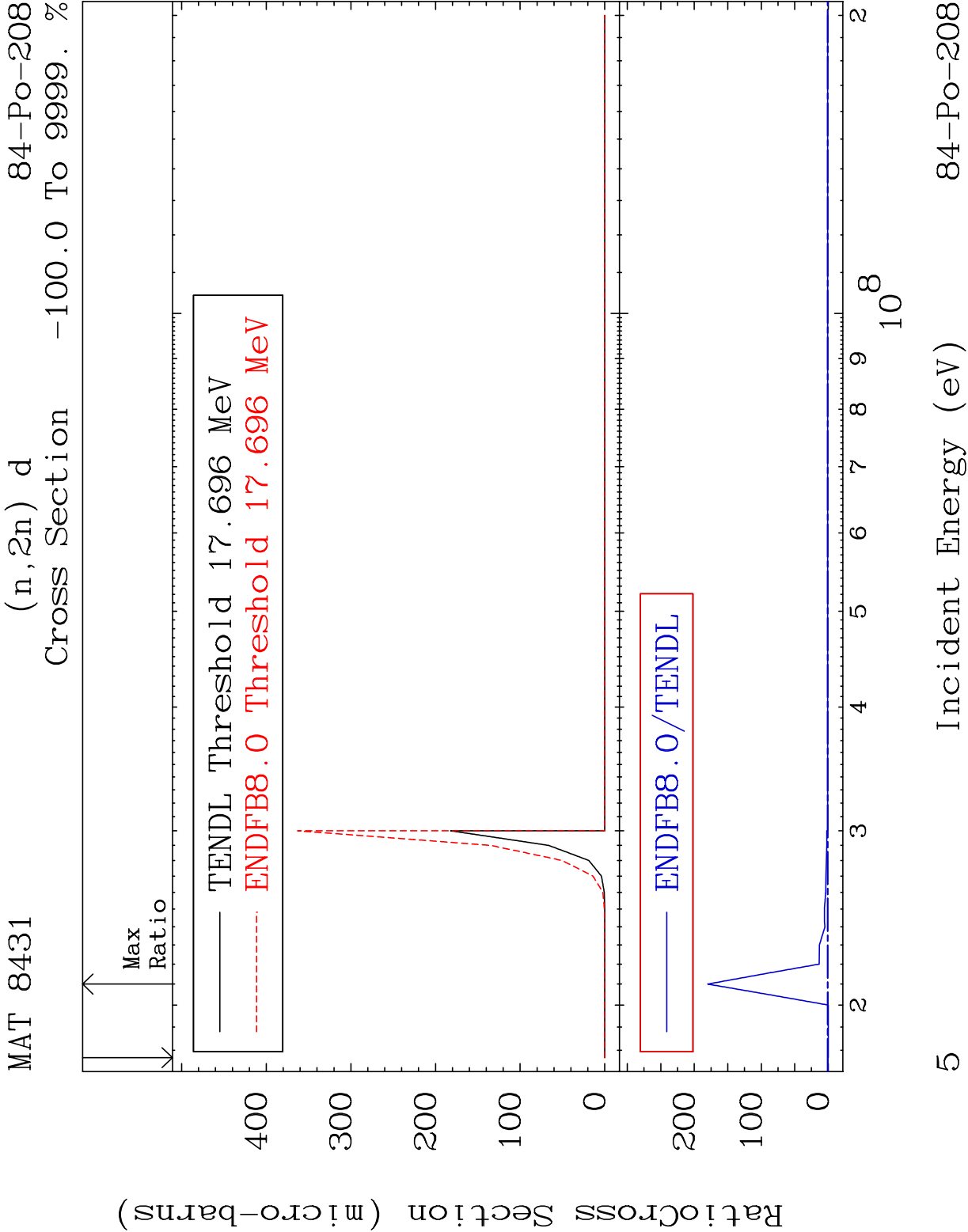
-99.92 To 9999. %





MAT 8431 (n,remainder) 84-Po-208
Cross Section -0.565 To 0.000 %



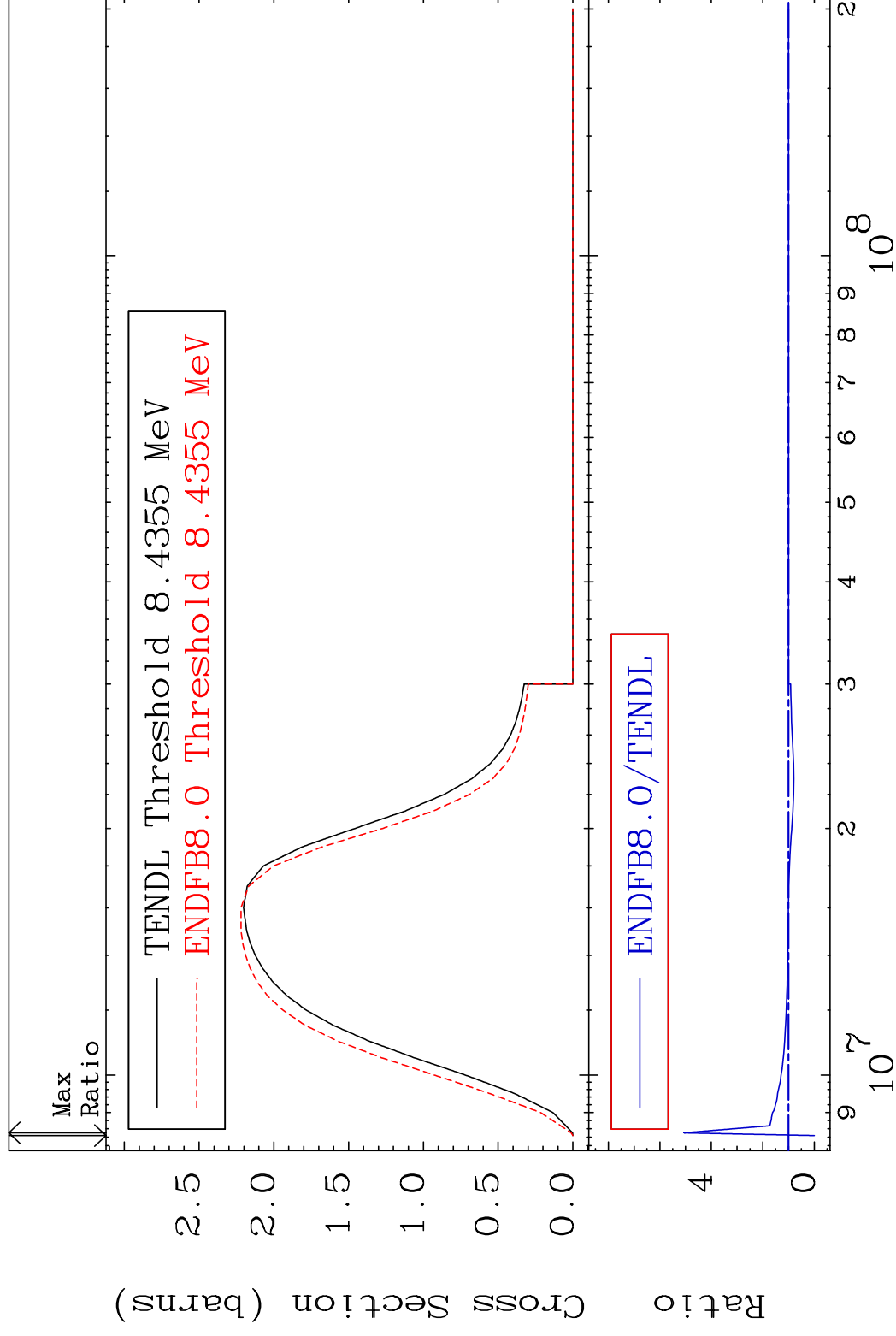


MAT 8431

$$(n, 2n)$$

84-PO-208

Cross Section	-100.0 To 405.9 %



TENDL Threshold 8.4355 MeV

ENDFB8.0 Threshold 8.4355 MeV

ENDFB8.0/TENDL

9

Incident Energy (eV)

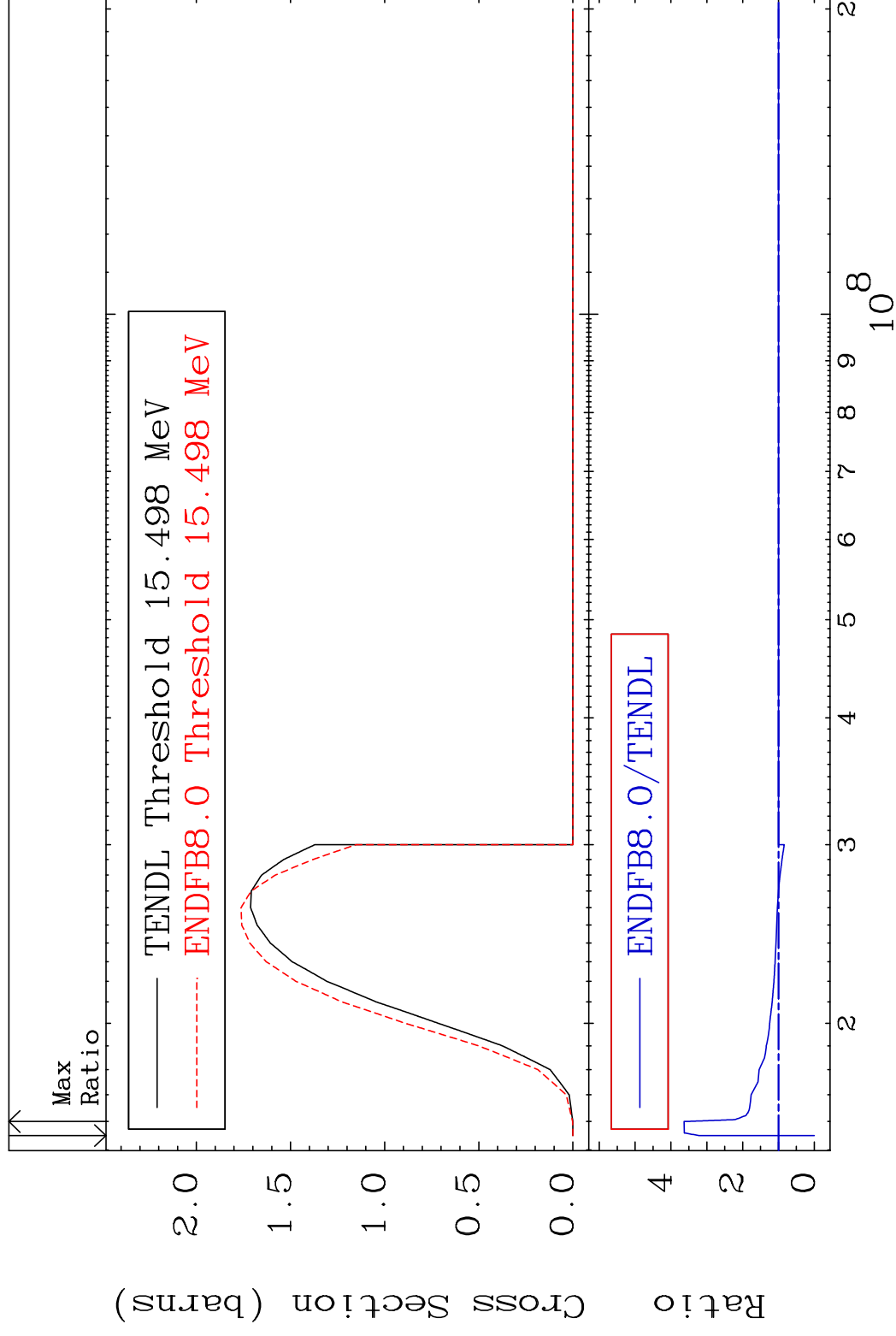
84-PO-208

MAT 8431

$$(n, 3n)$$

84-PO-208

Cross Section -100.0 To 263.5 %

 λ

Incident Energy (eV)

84-Po-208

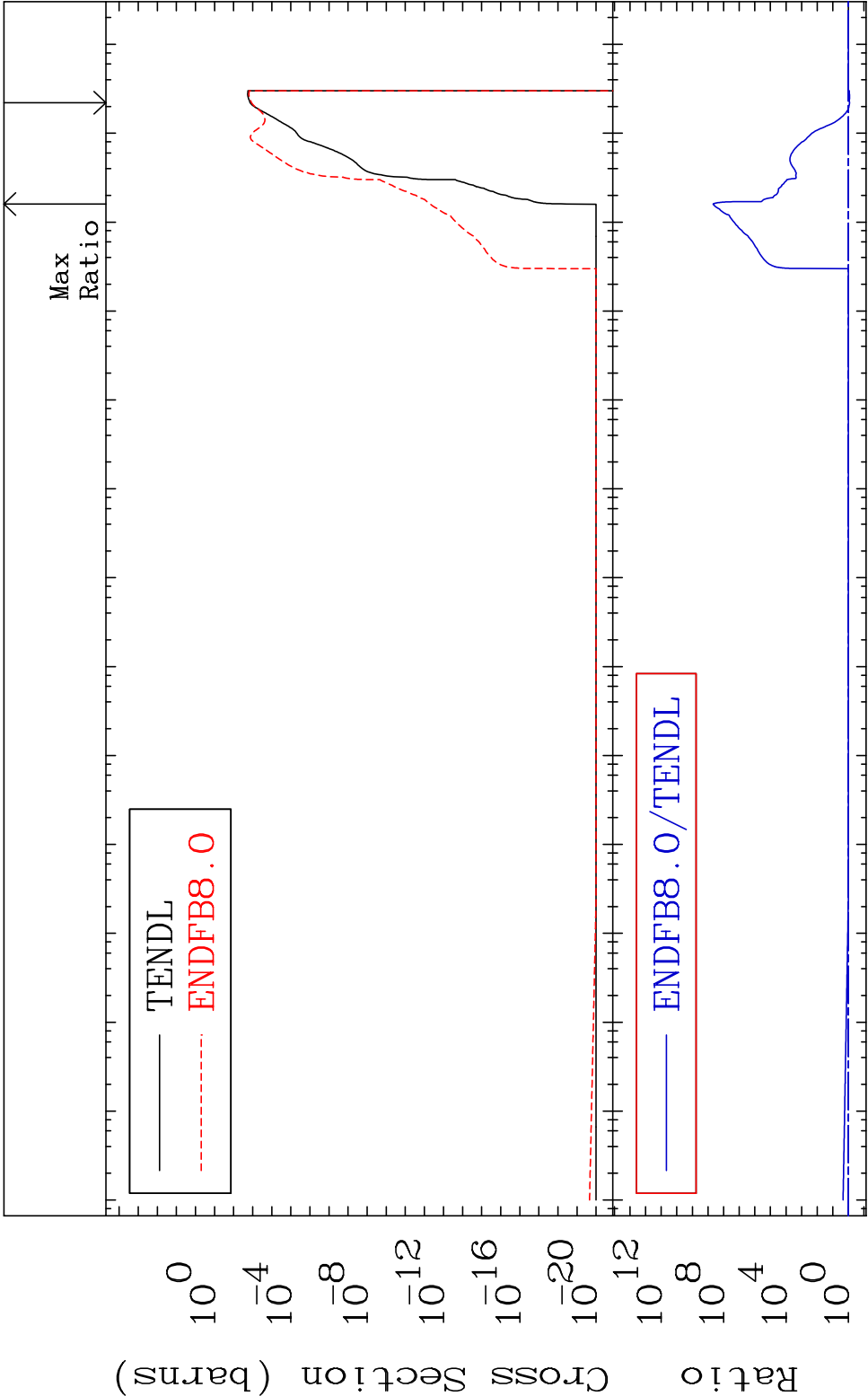
MAT 8431

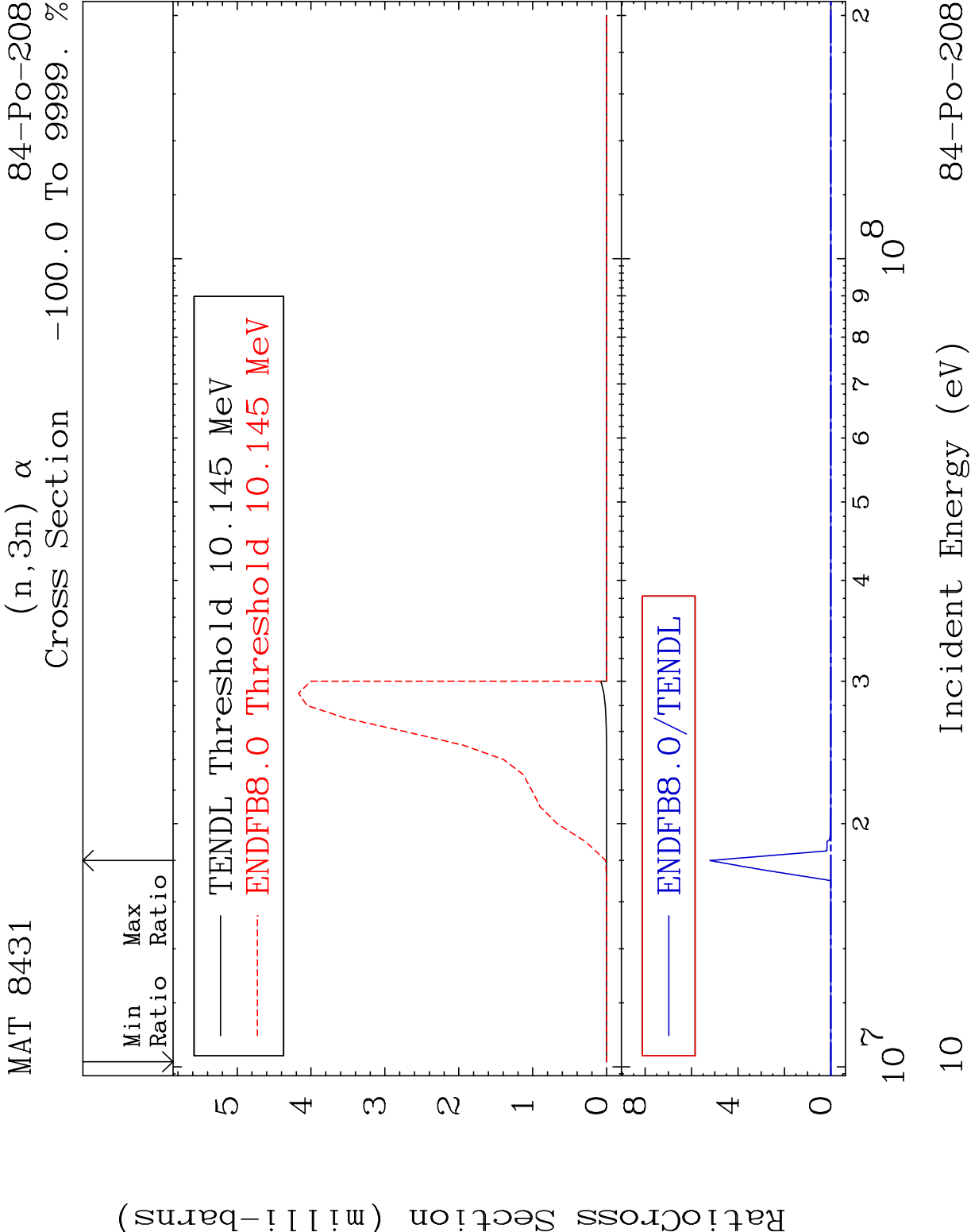
(n,n') α

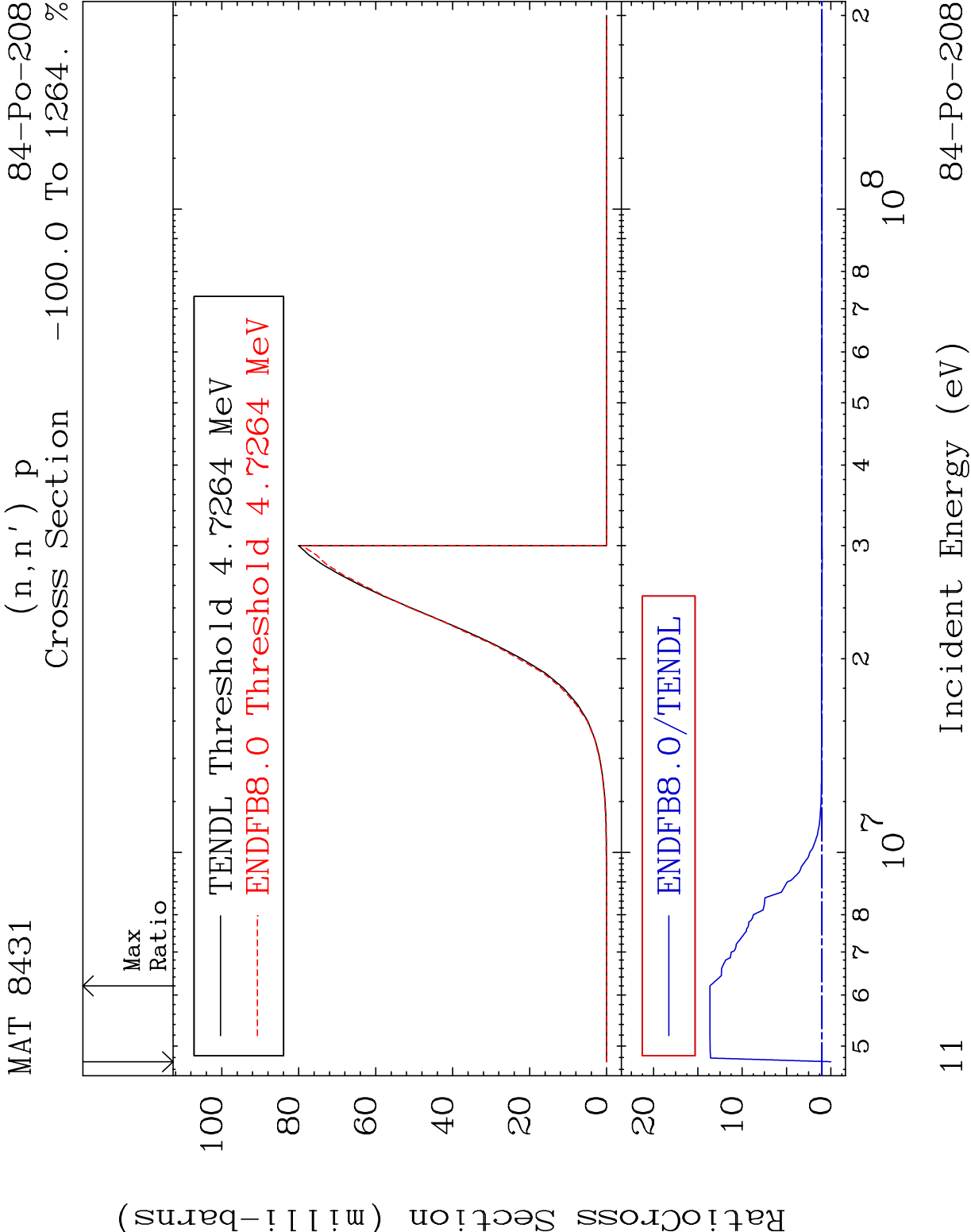
84-Po-208

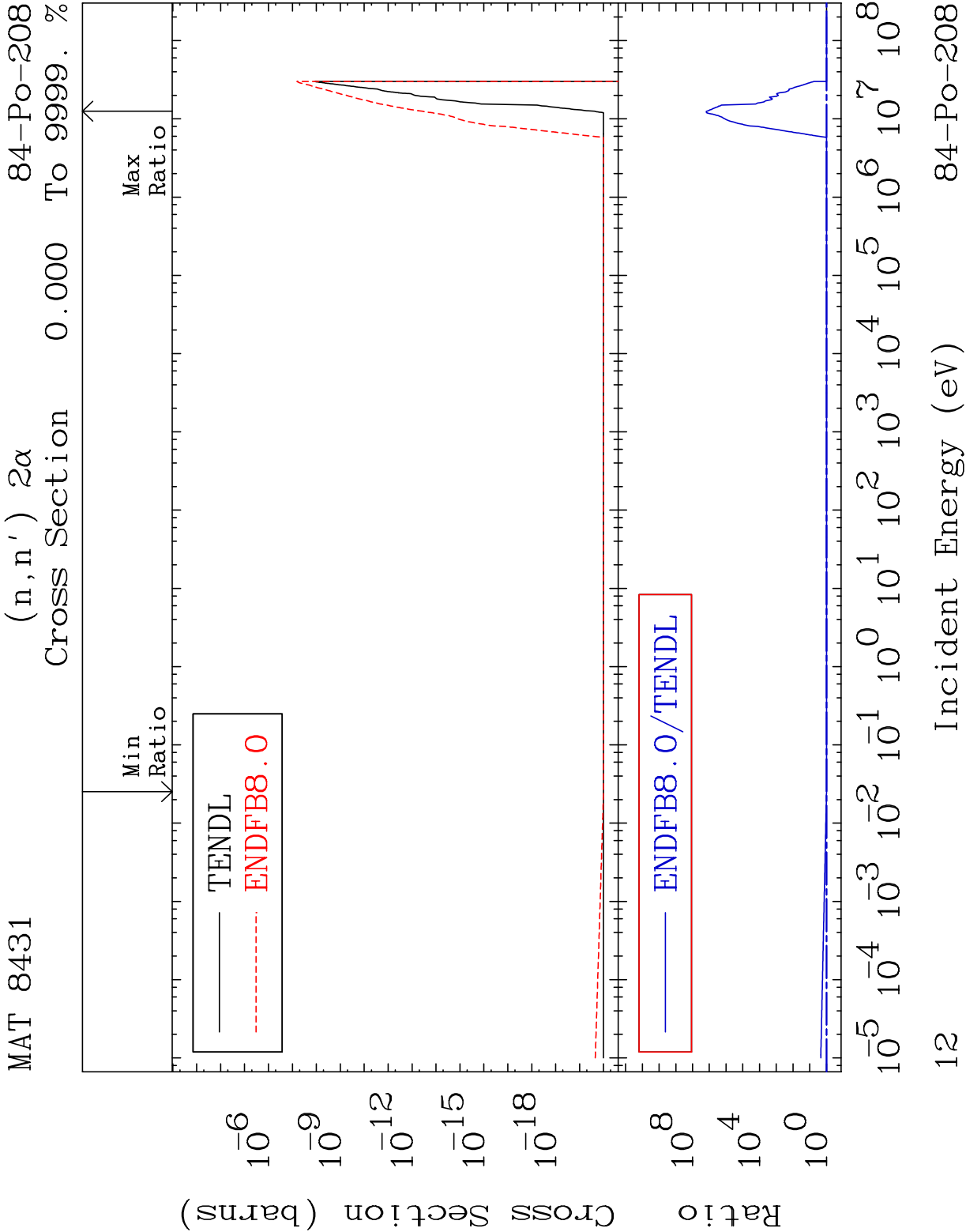
Cross Section

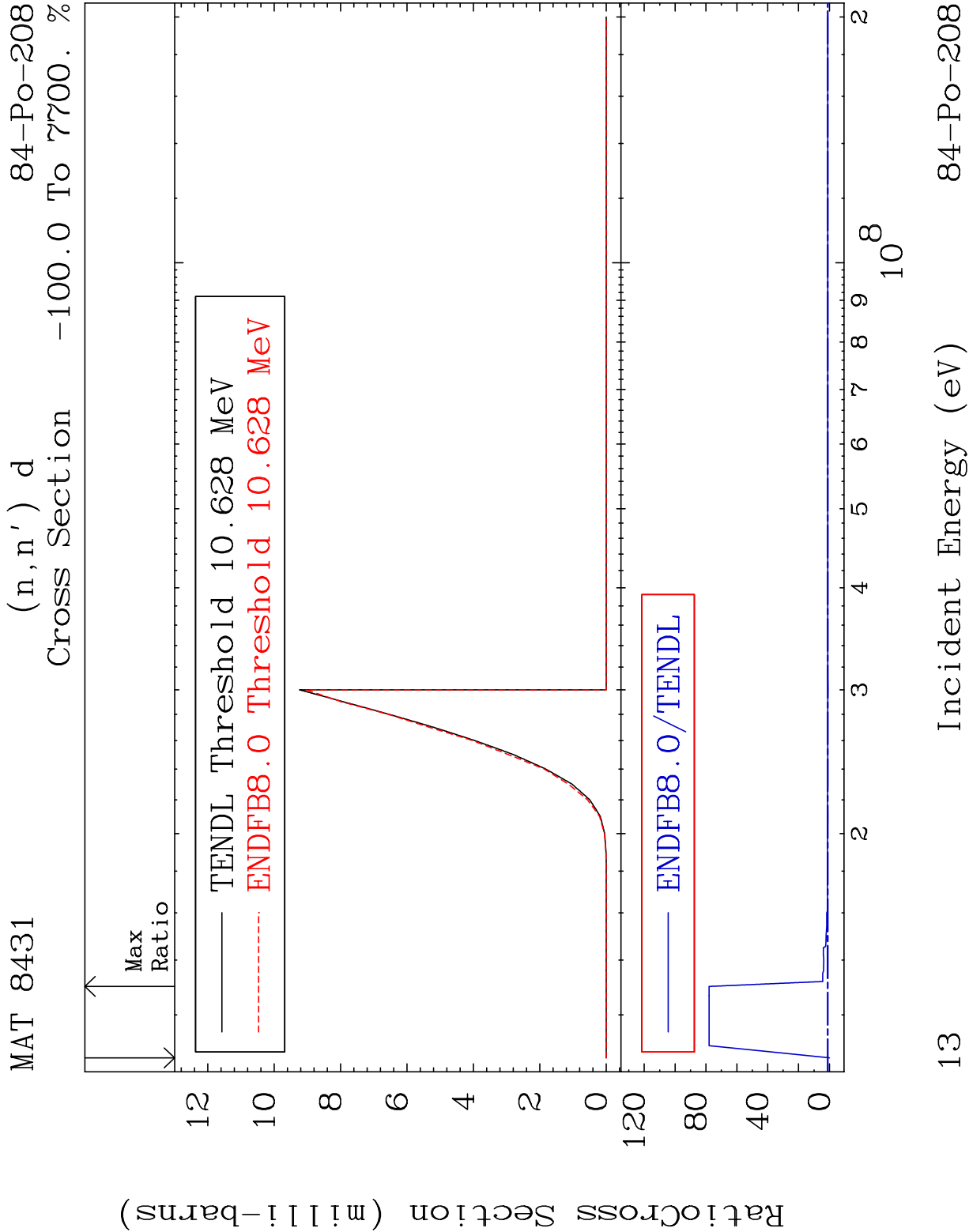
-14.96 To 9999. %

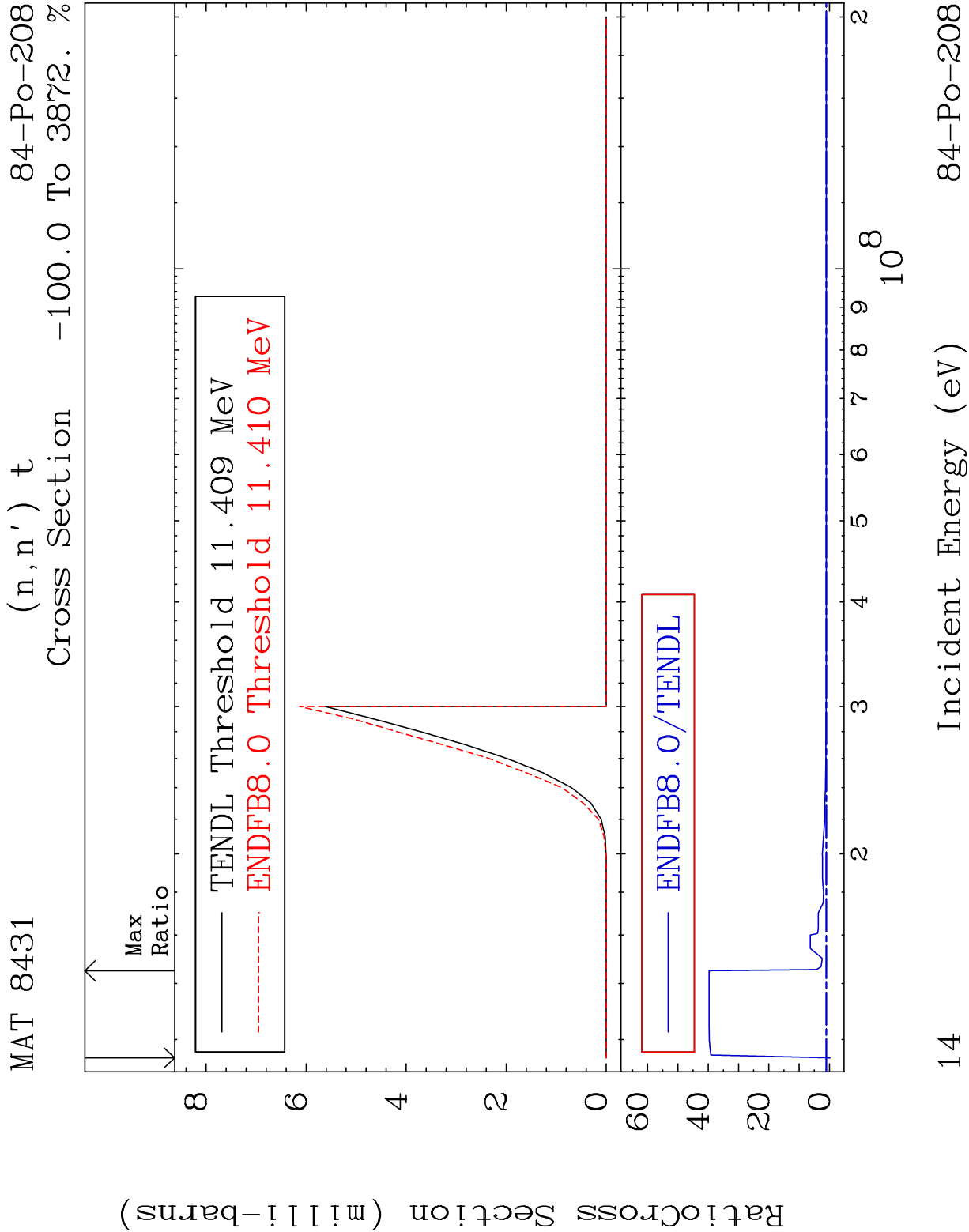


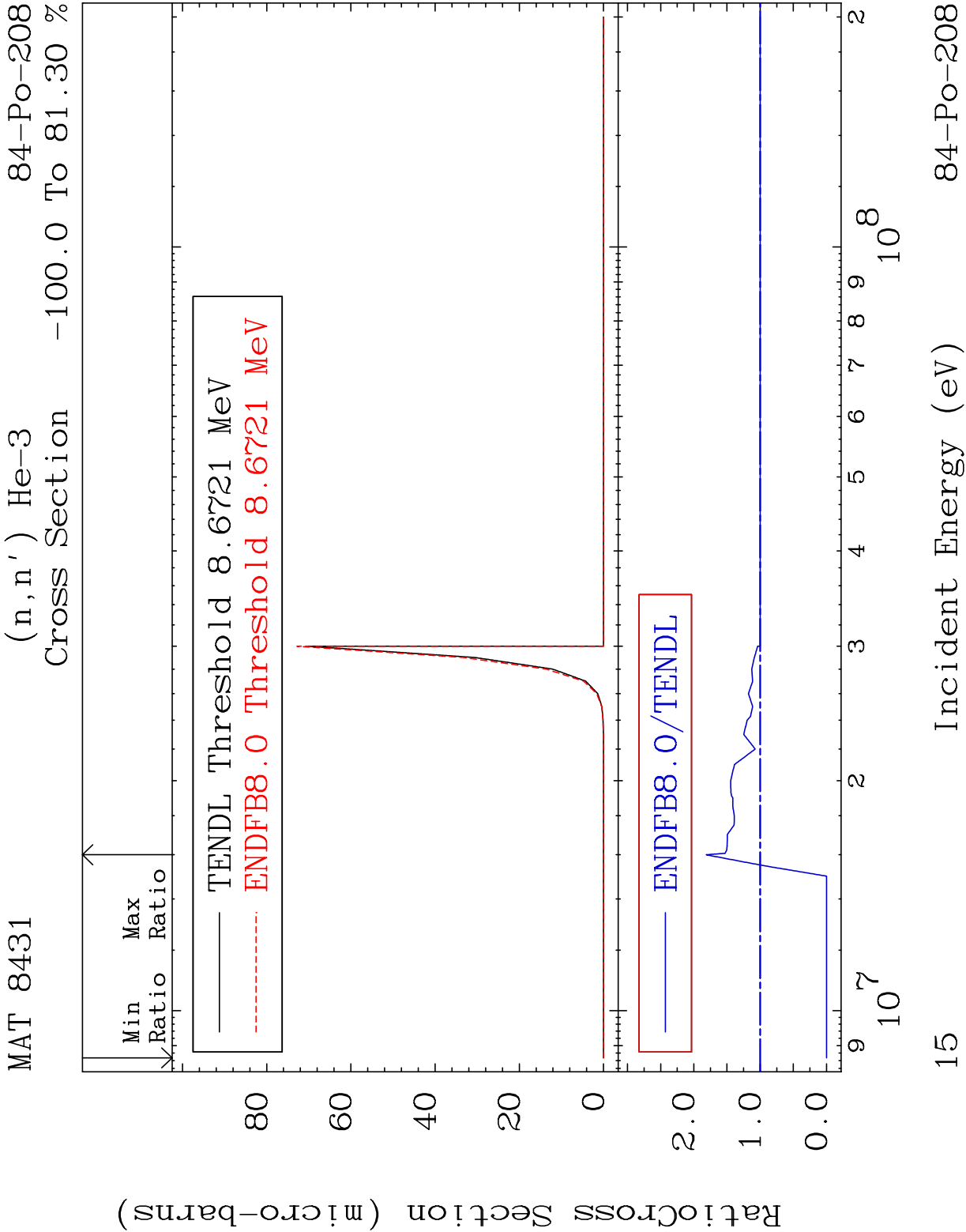


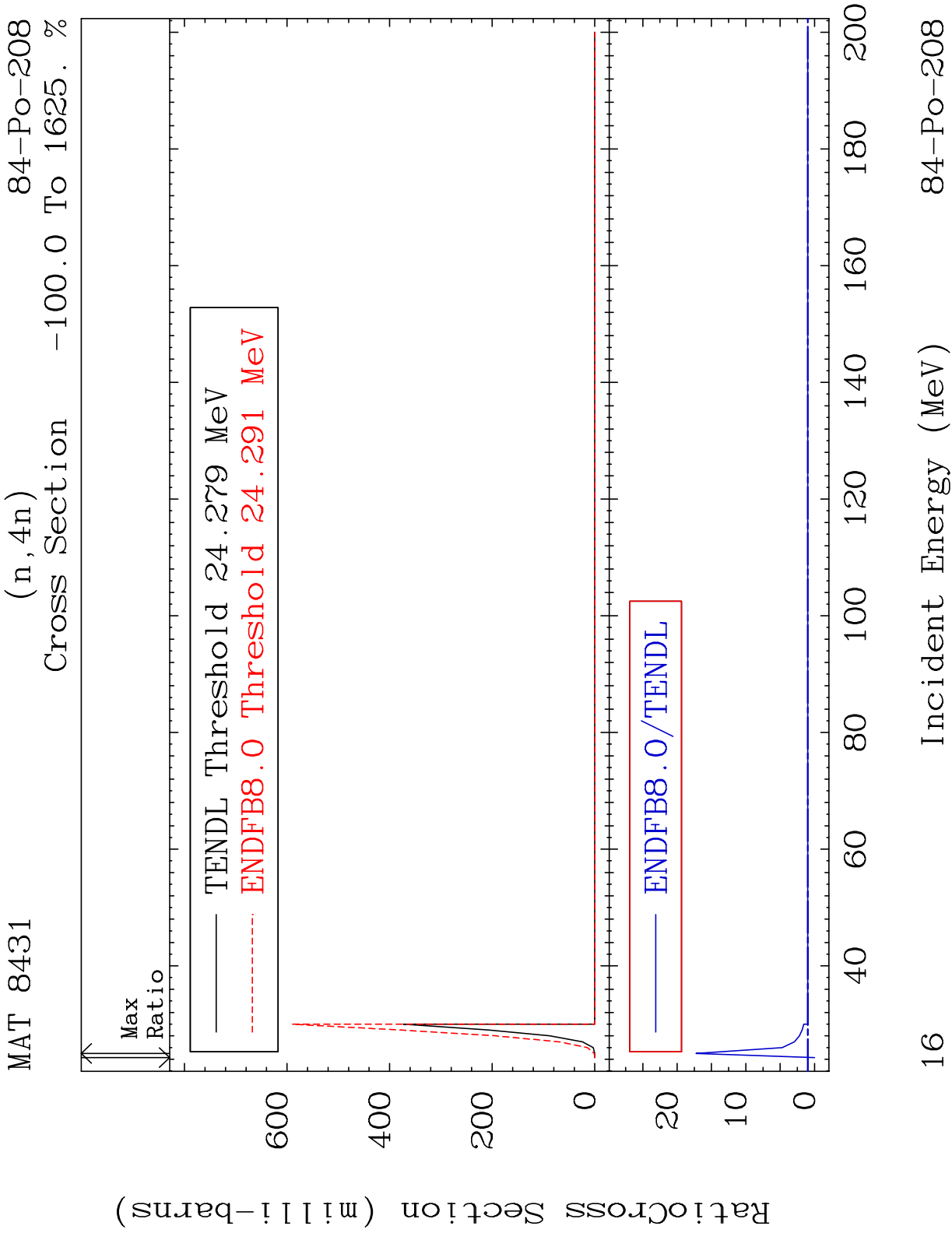


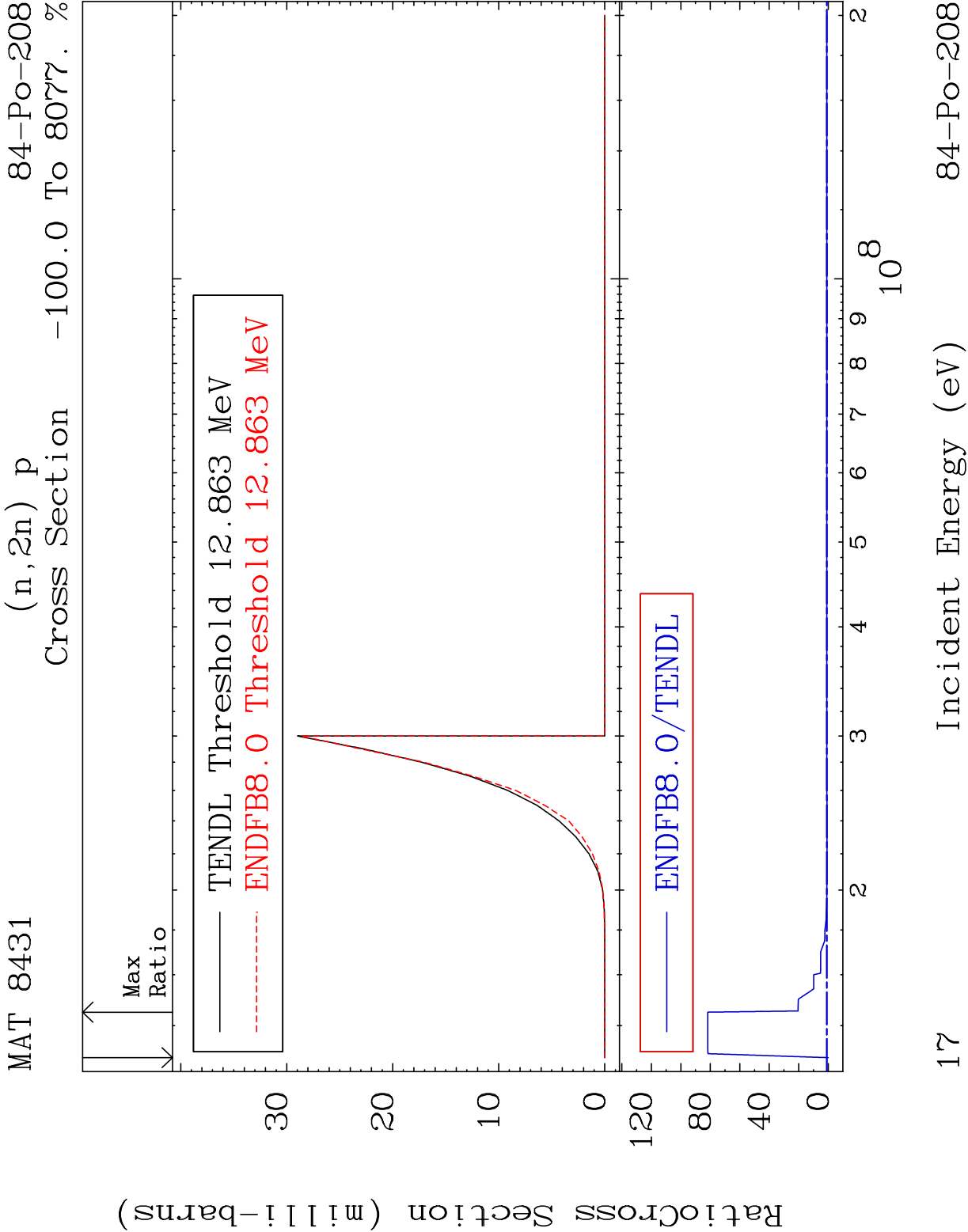


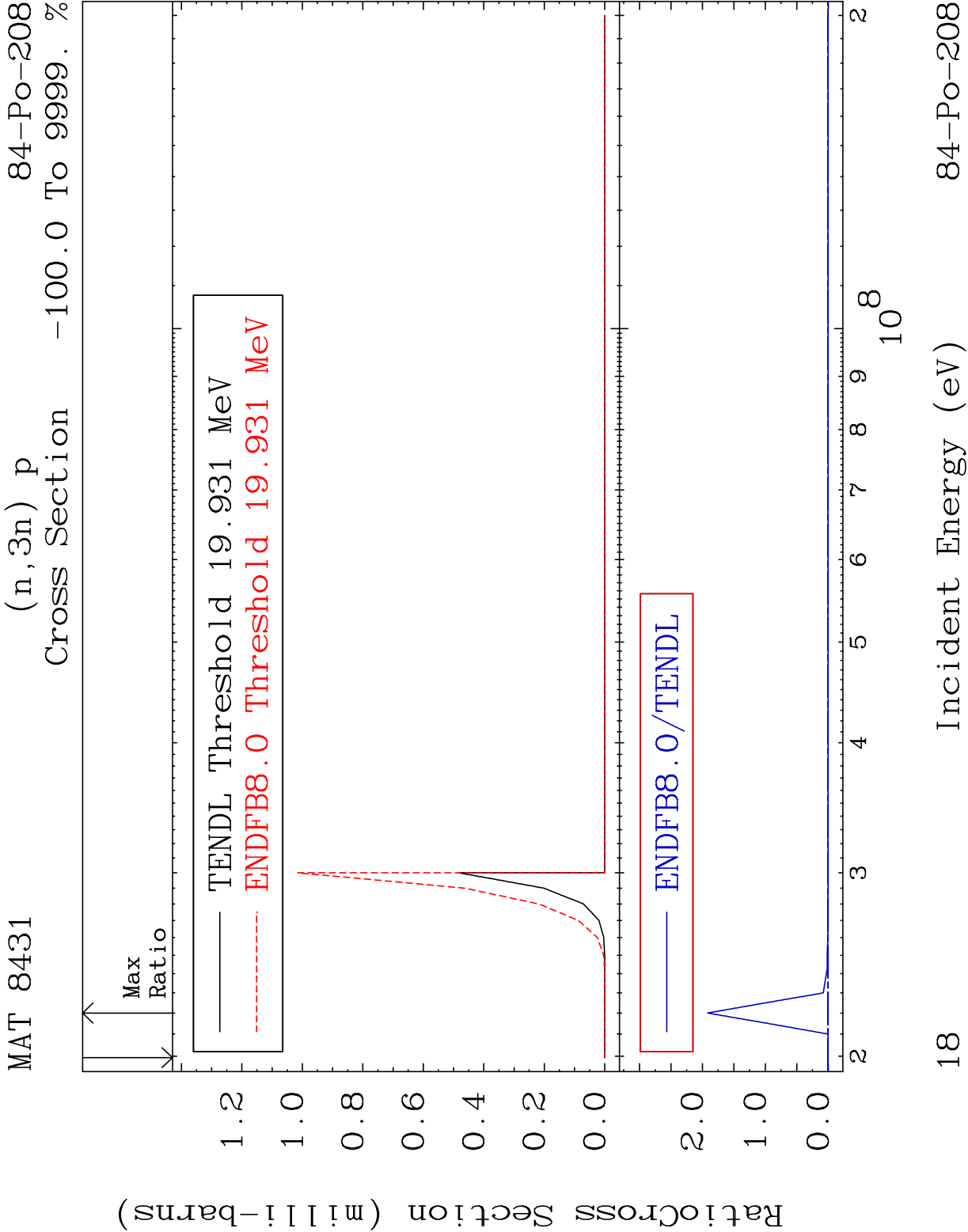


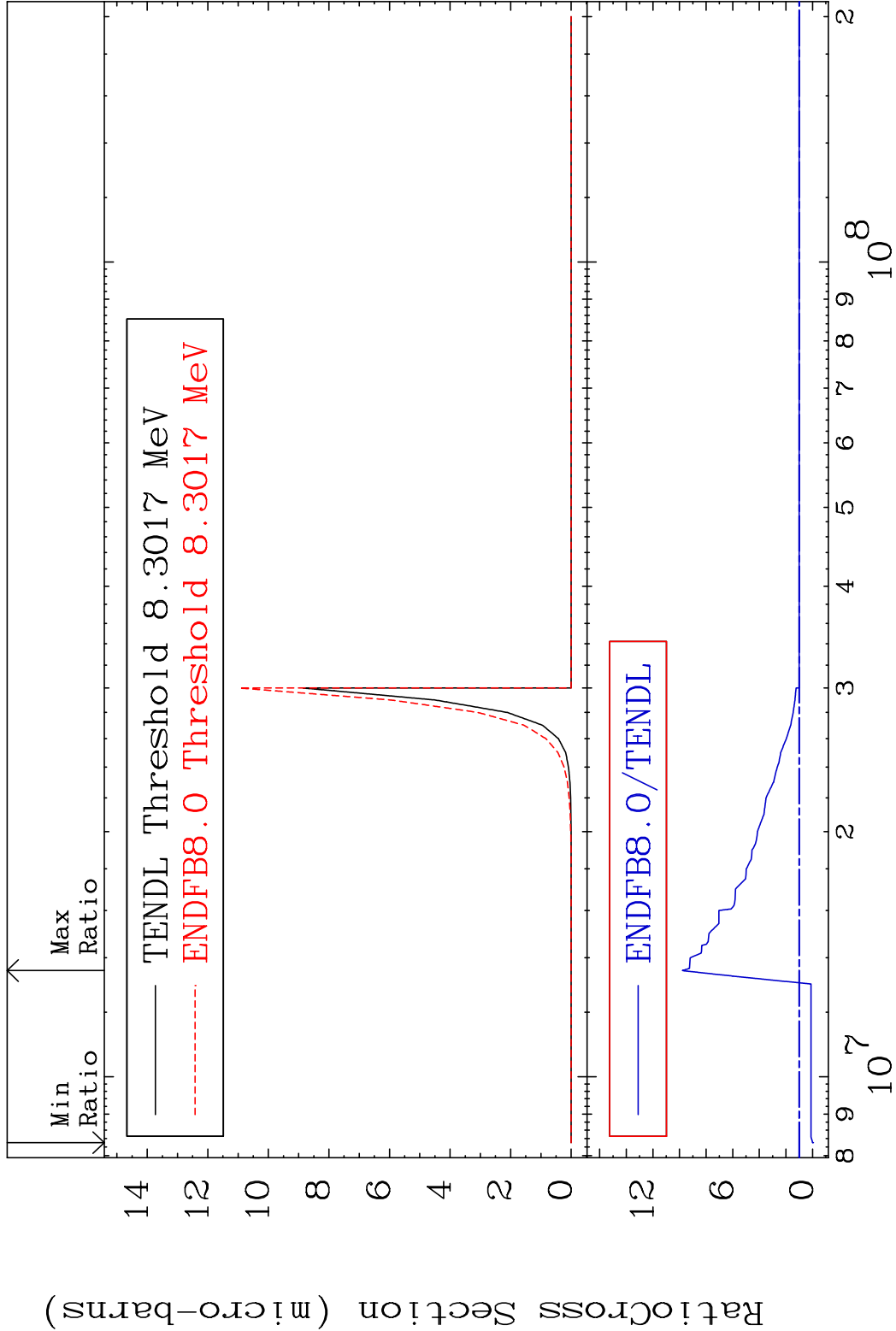


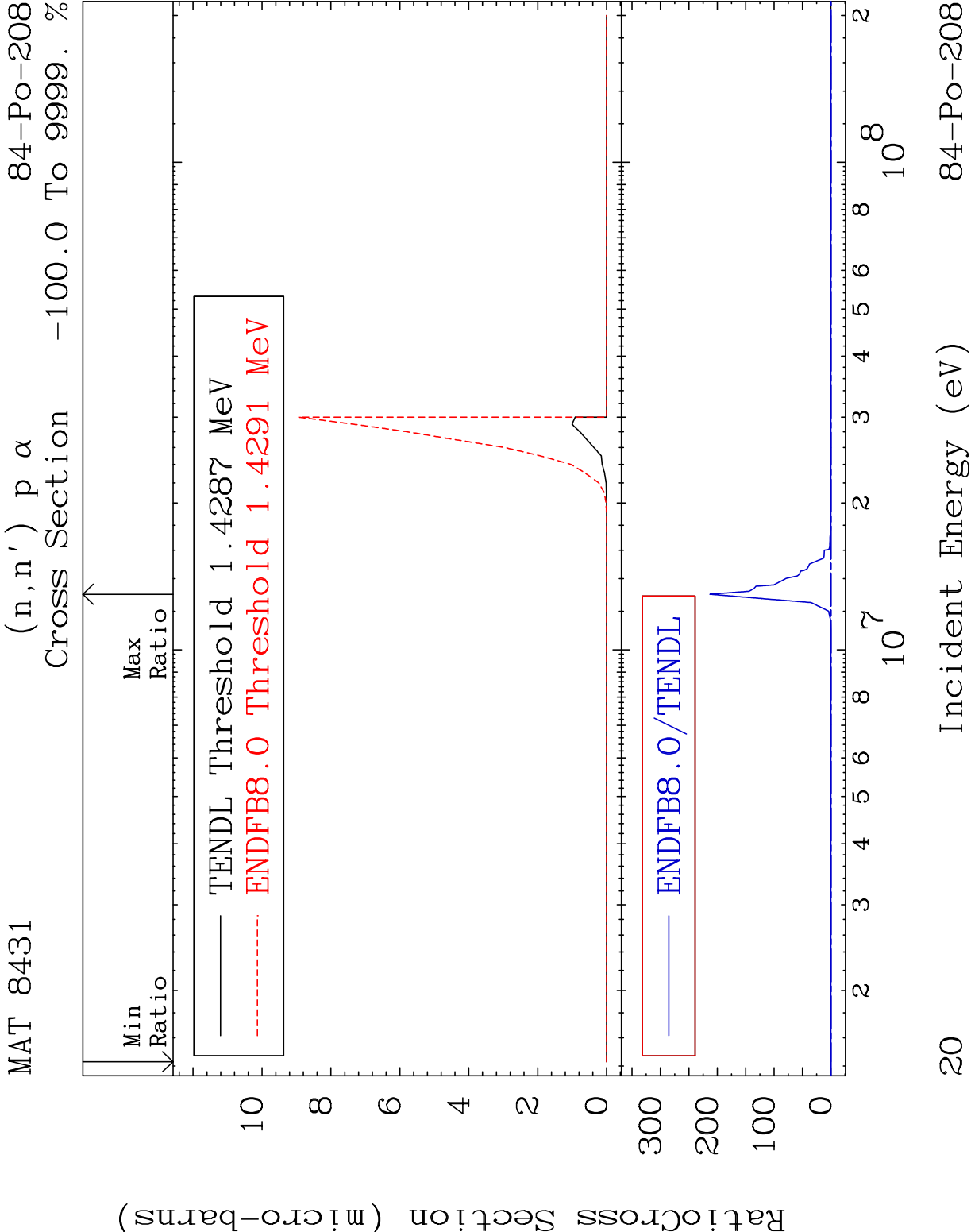




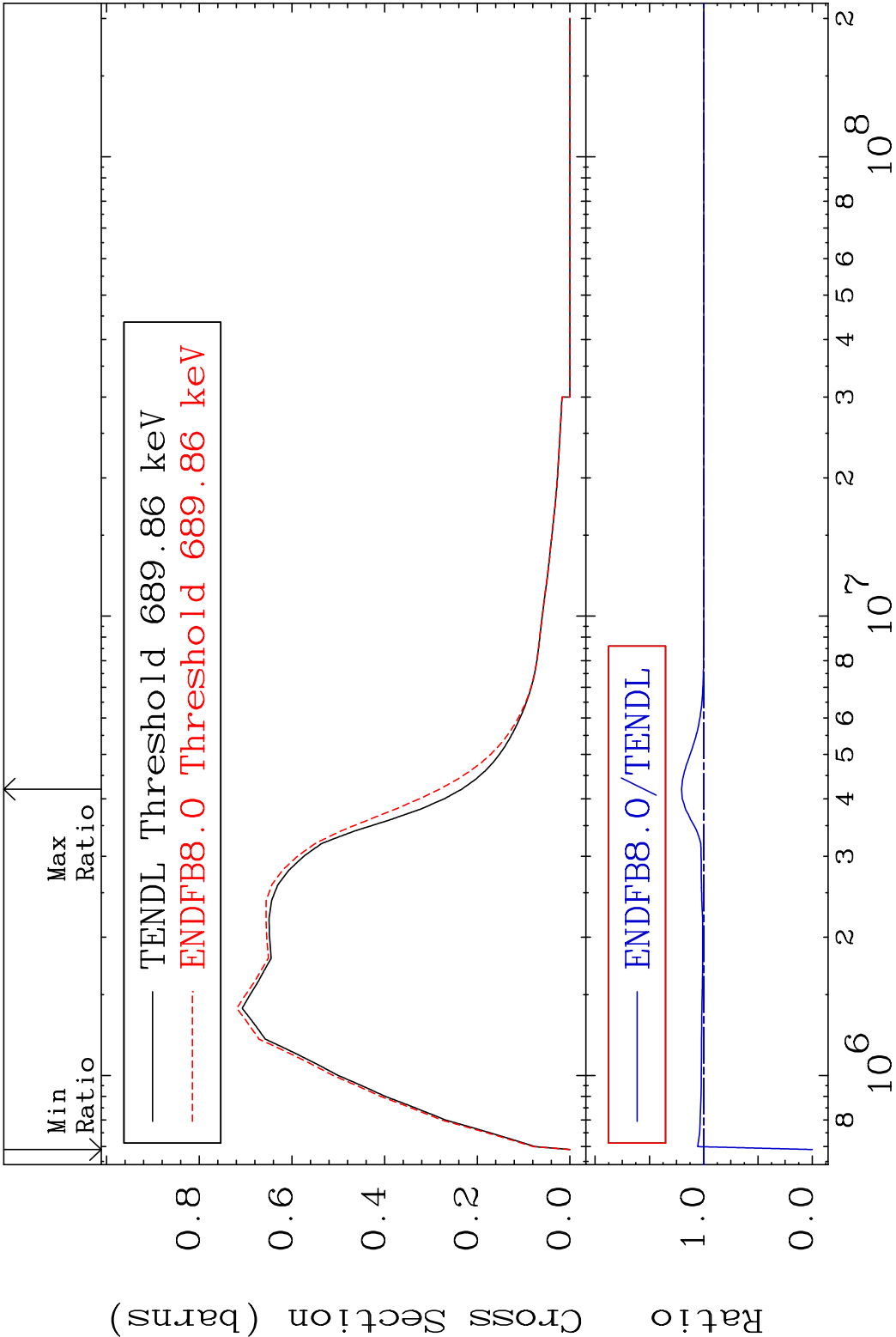




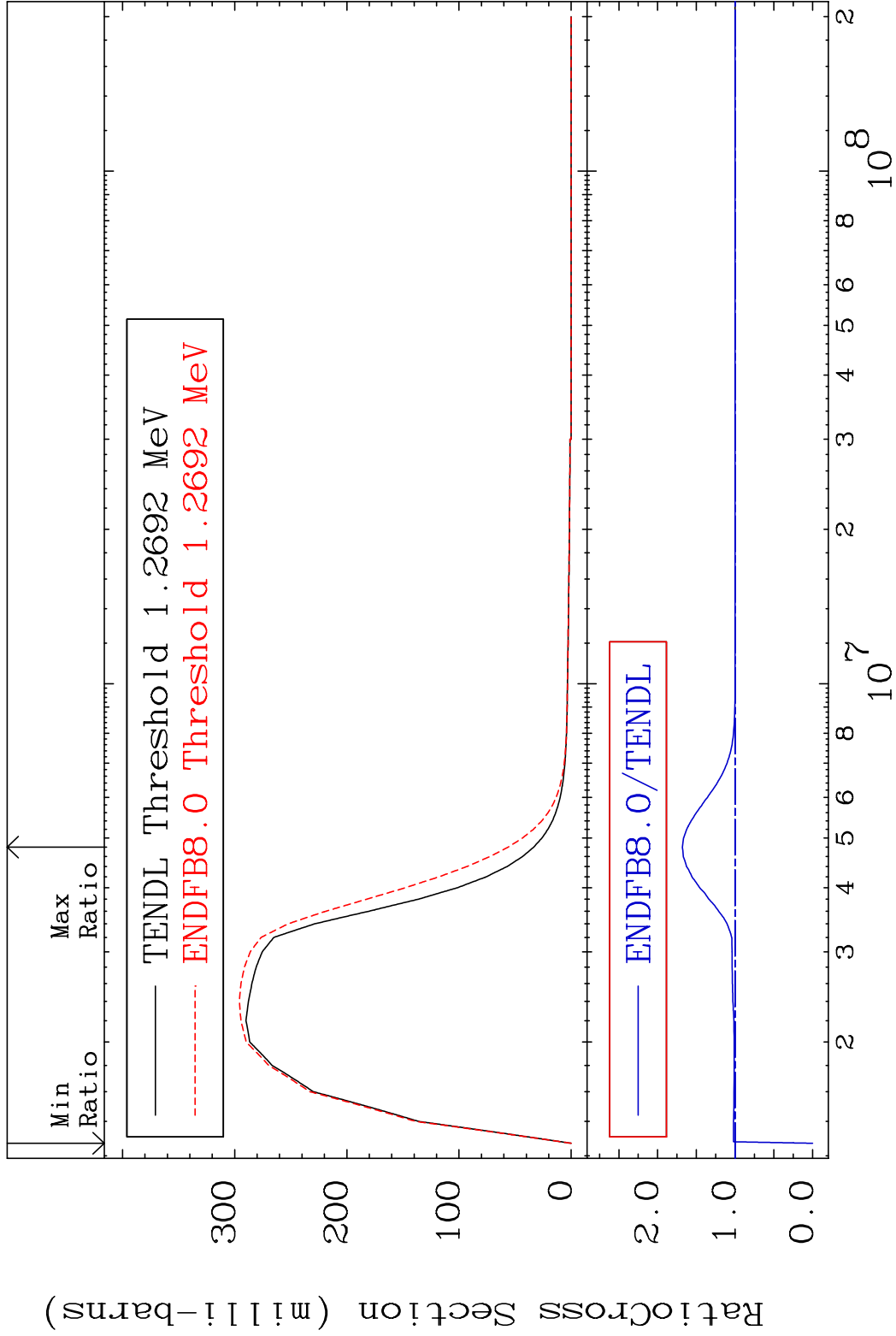


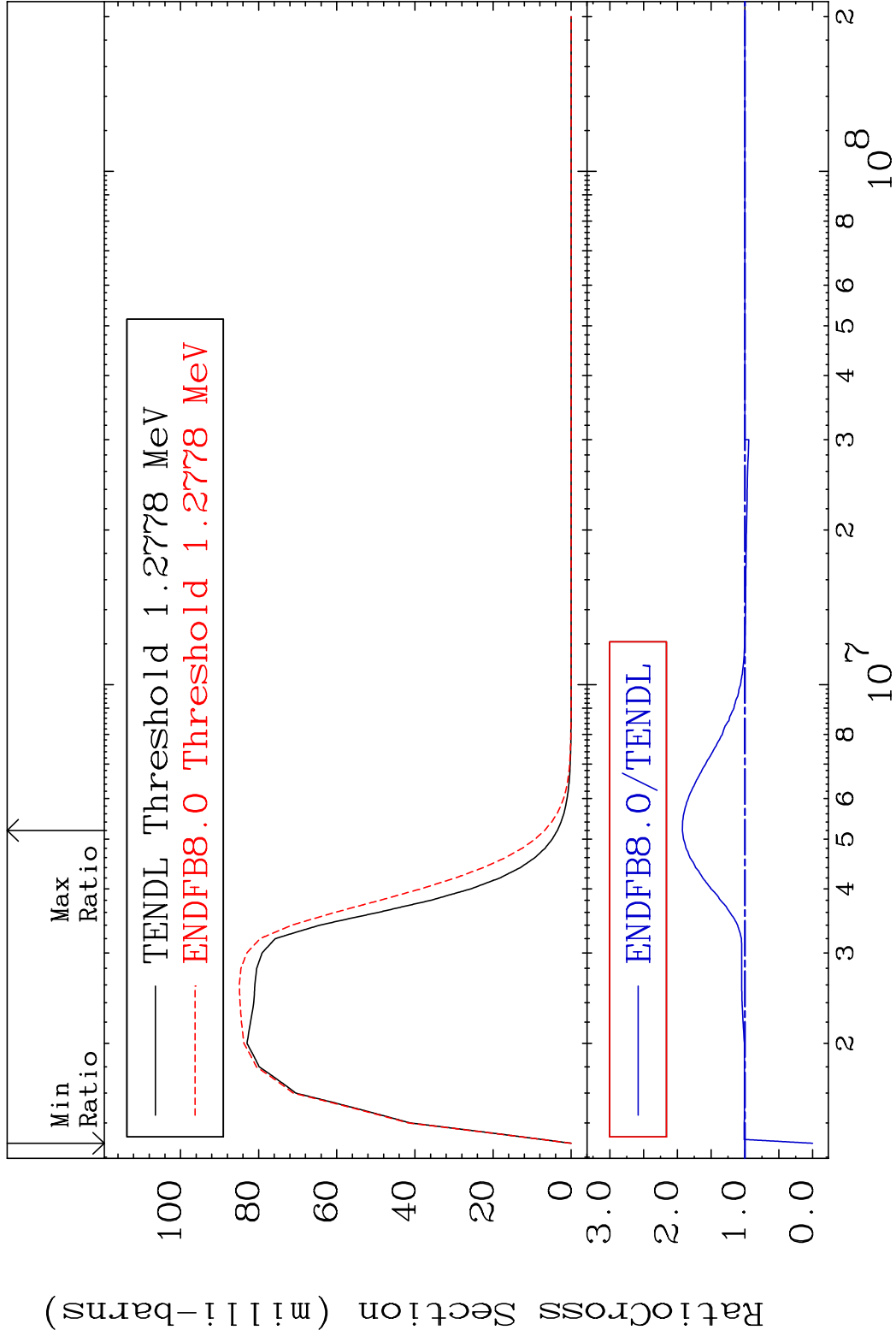


MAT 8431 MT= 51 (n,n') Level 84-Po-208
 Cross Section -100.0 To 20.41 %

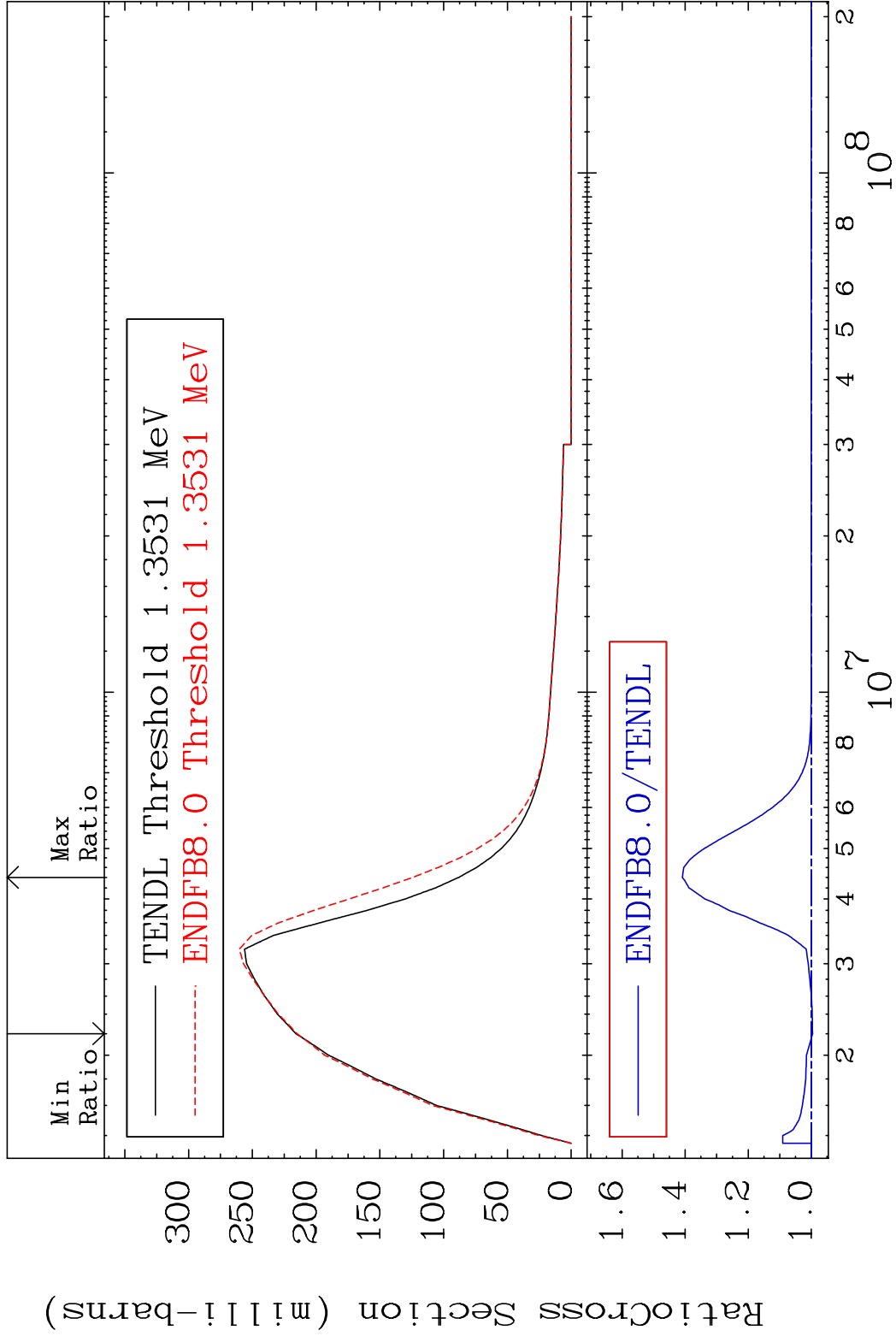


MAT 8431 MT= 52 (n,n') Level 84-Po-208
 Cross Section -100.0 To 68.07 %





MAT 8431 MT= 54 (n,n') Level 84-Po-208
Cross Section -0.417 To 40.90 %



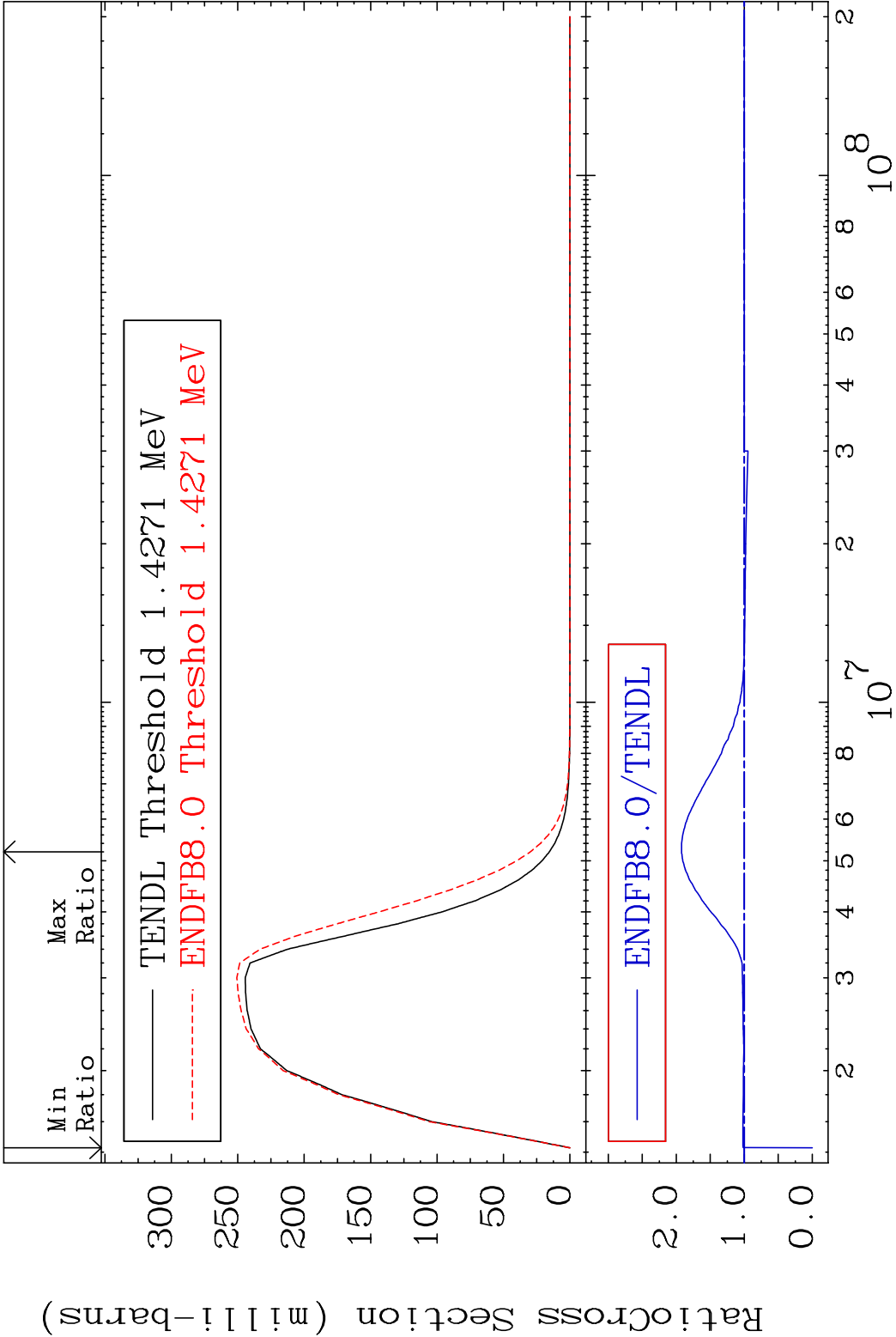
MAT 8431

MT= 55 (n,n') Level

84-Po-208

Cross Section

-100.0 To 92.26 %



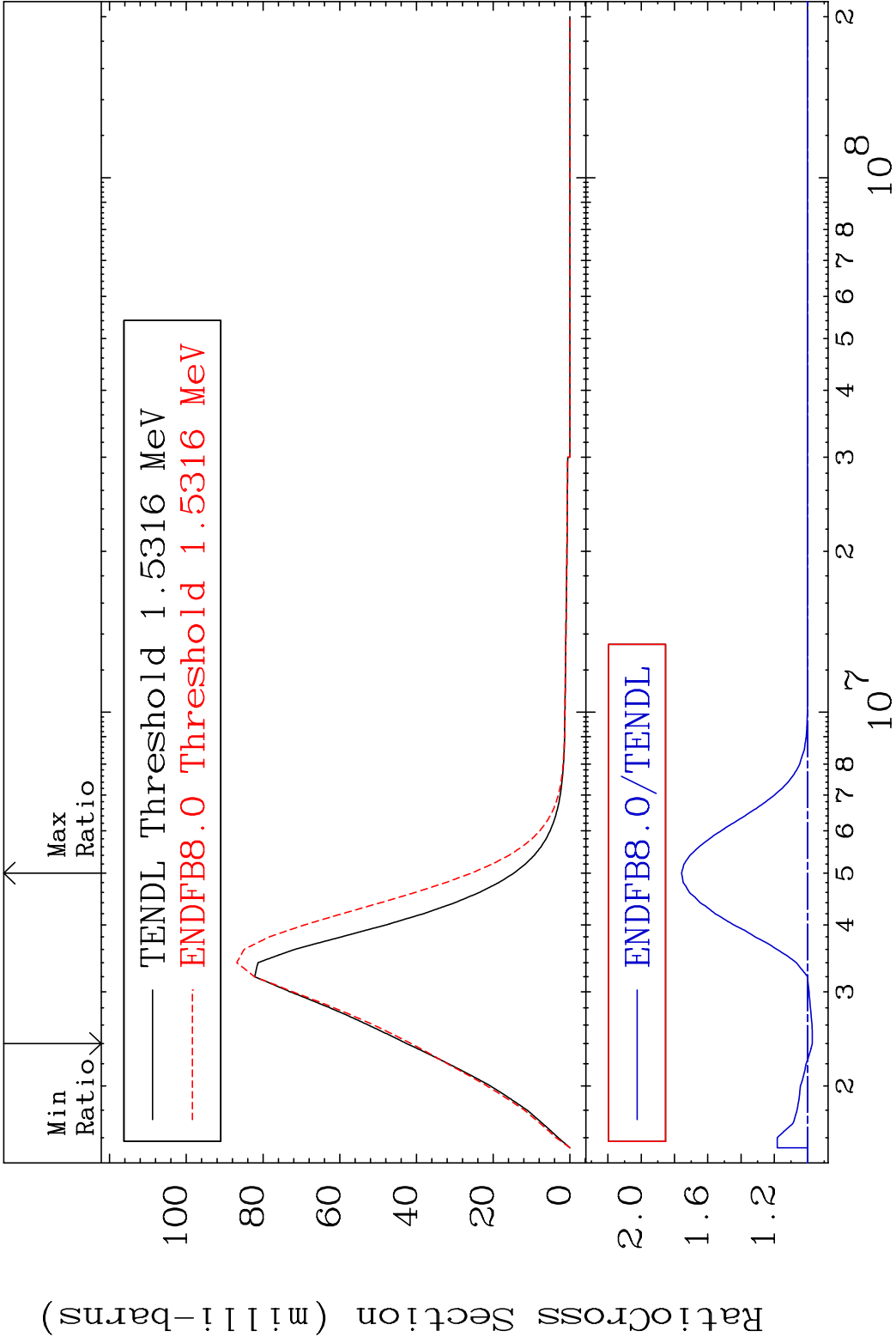
MAT 8431

MT= 56 (n,n') Level

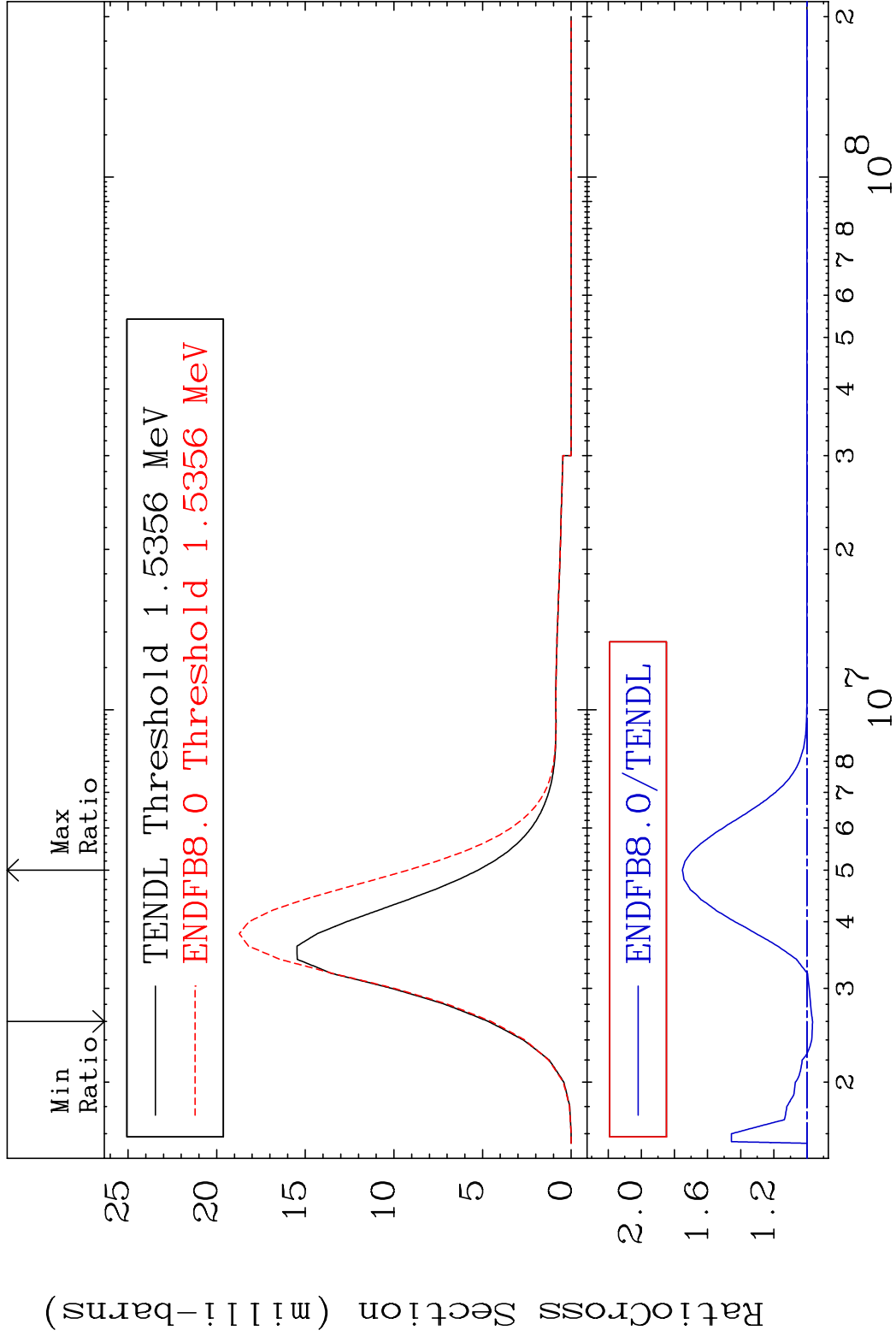
84-Po-208

Cross Section

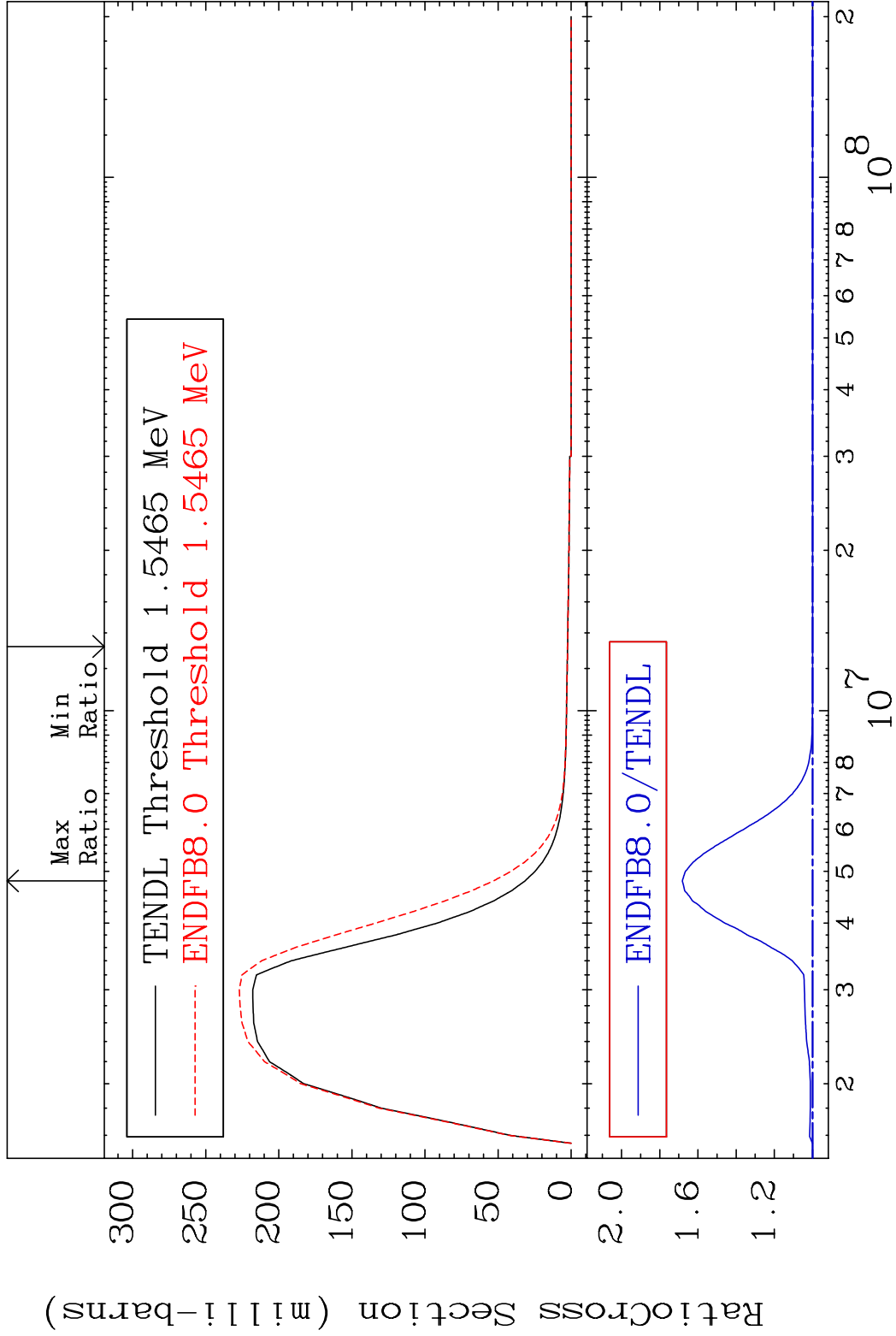
-2.813 To 75.74 %

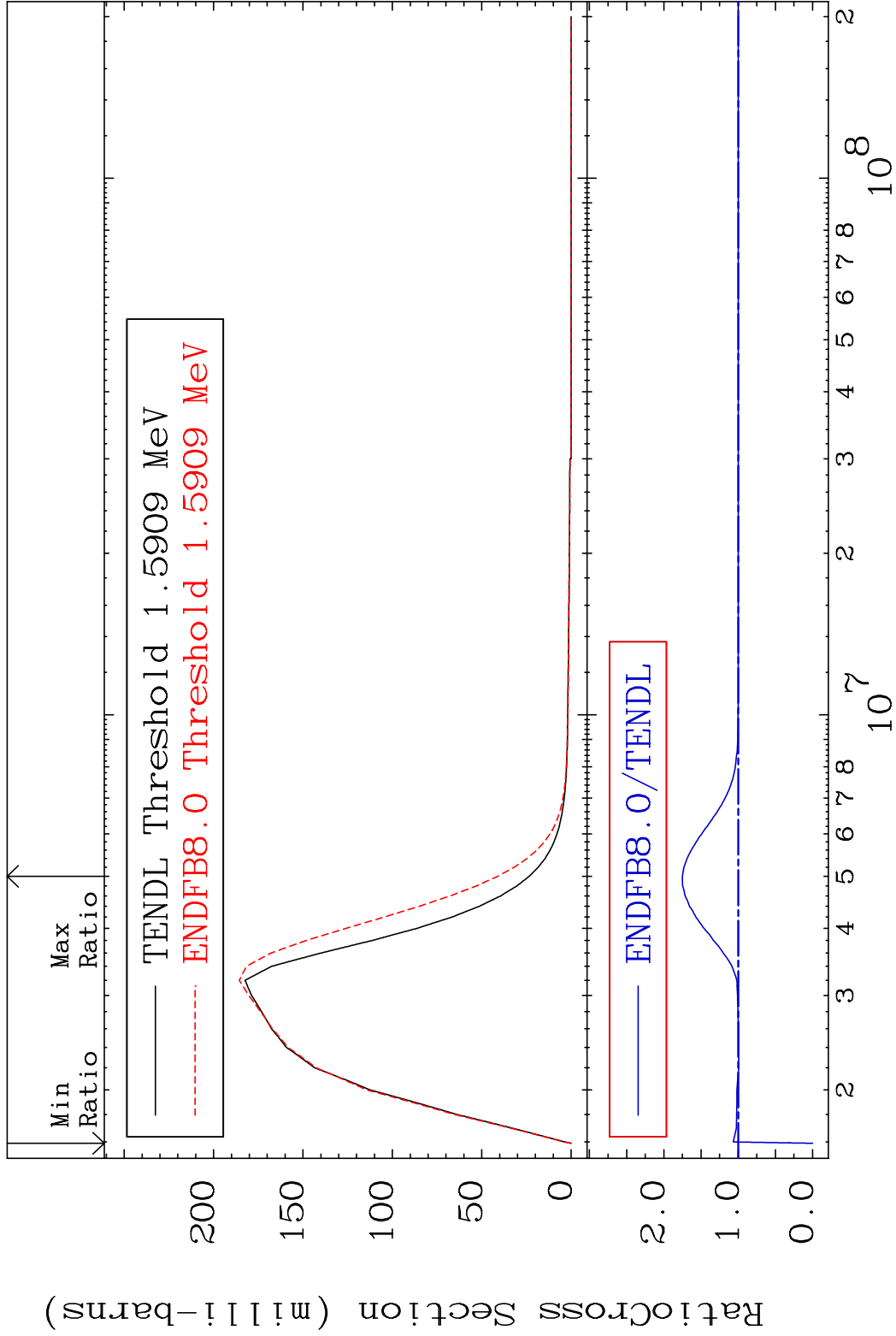


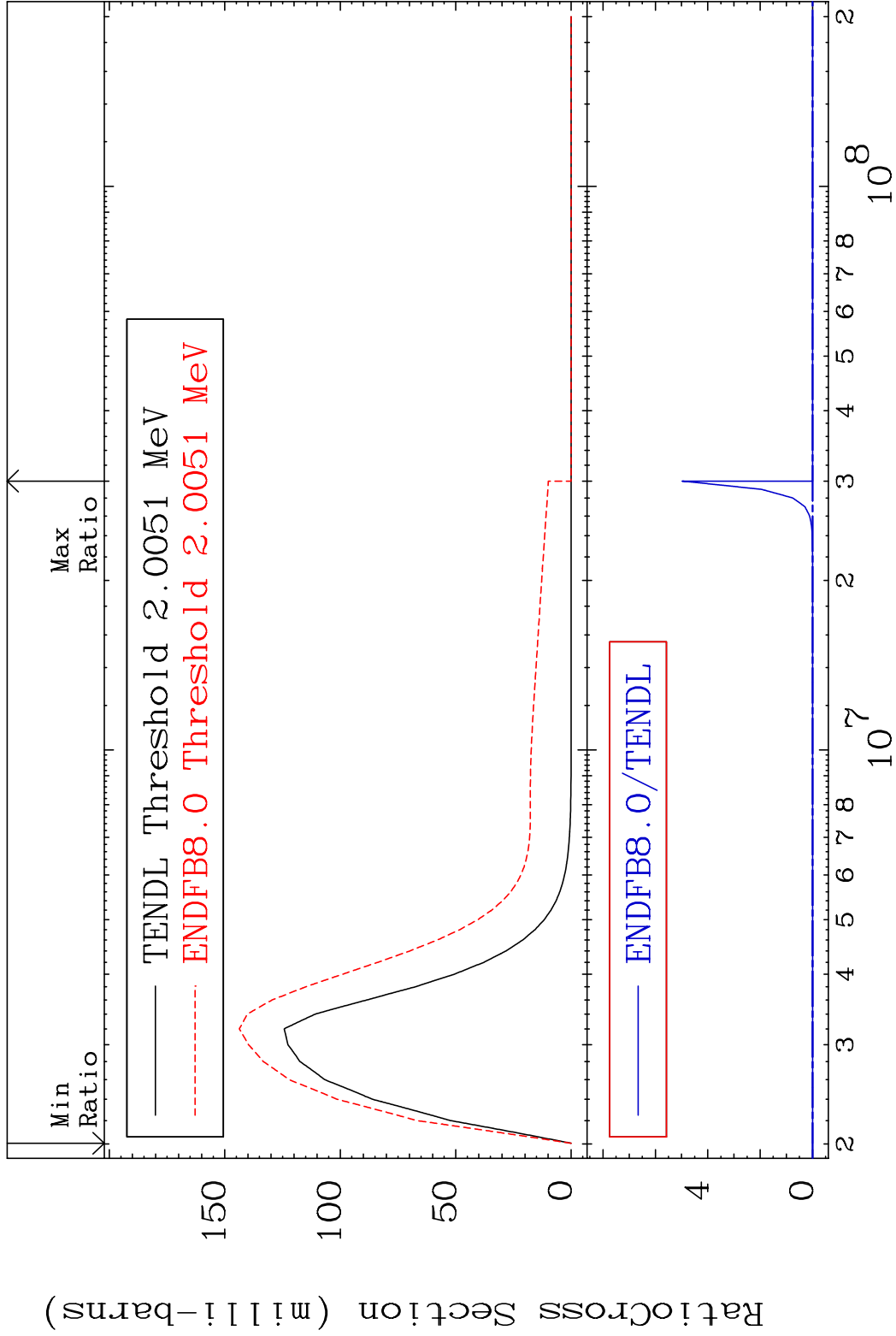
MAT 8431 MT= 57 (n,n') Level 84-Po-208
Cross Section -3.391 To 75.23 %



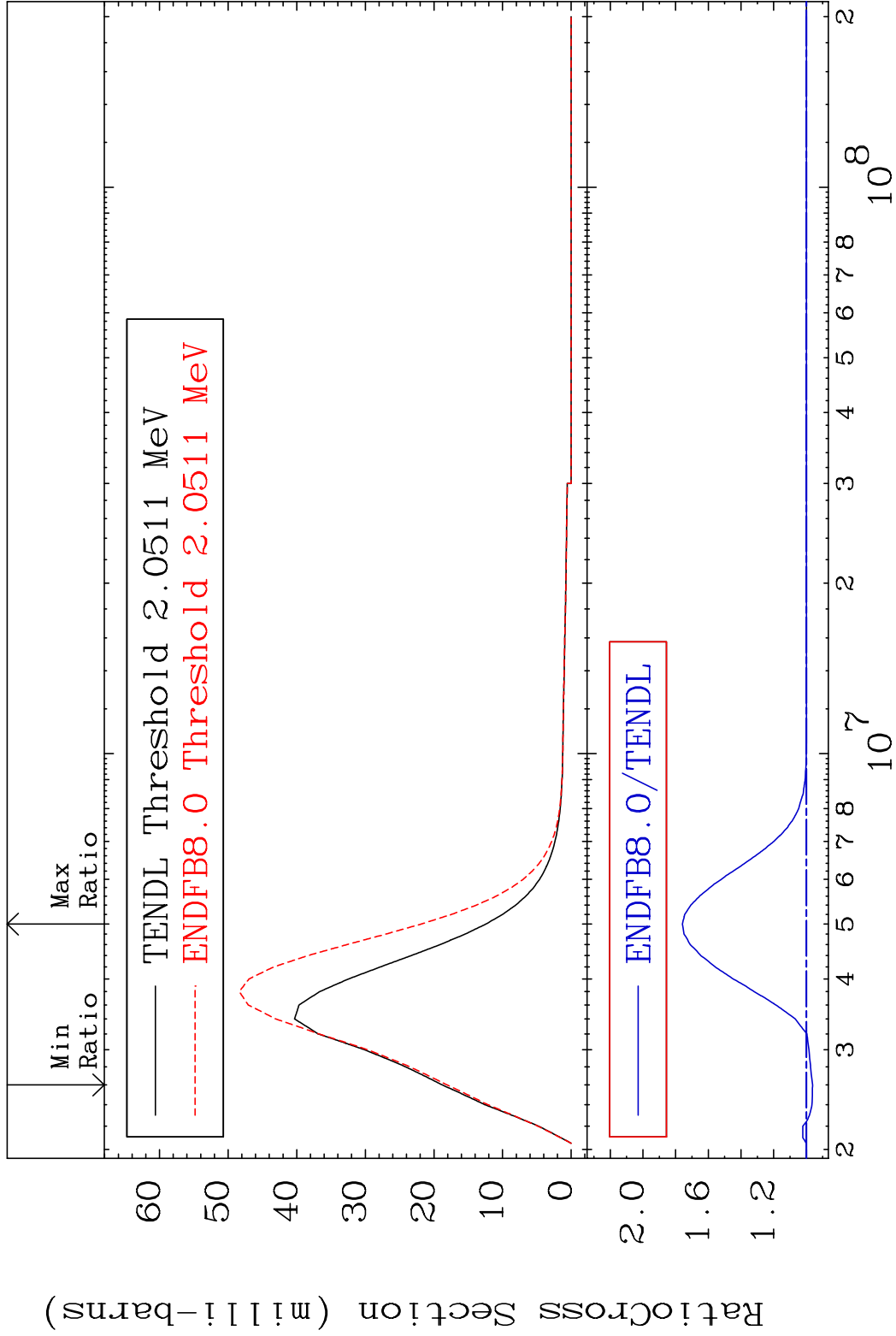
MAT 8431 MT= 58 (n,n') Level 84-Po-208
Cross Section 0.000 To 68.16 %



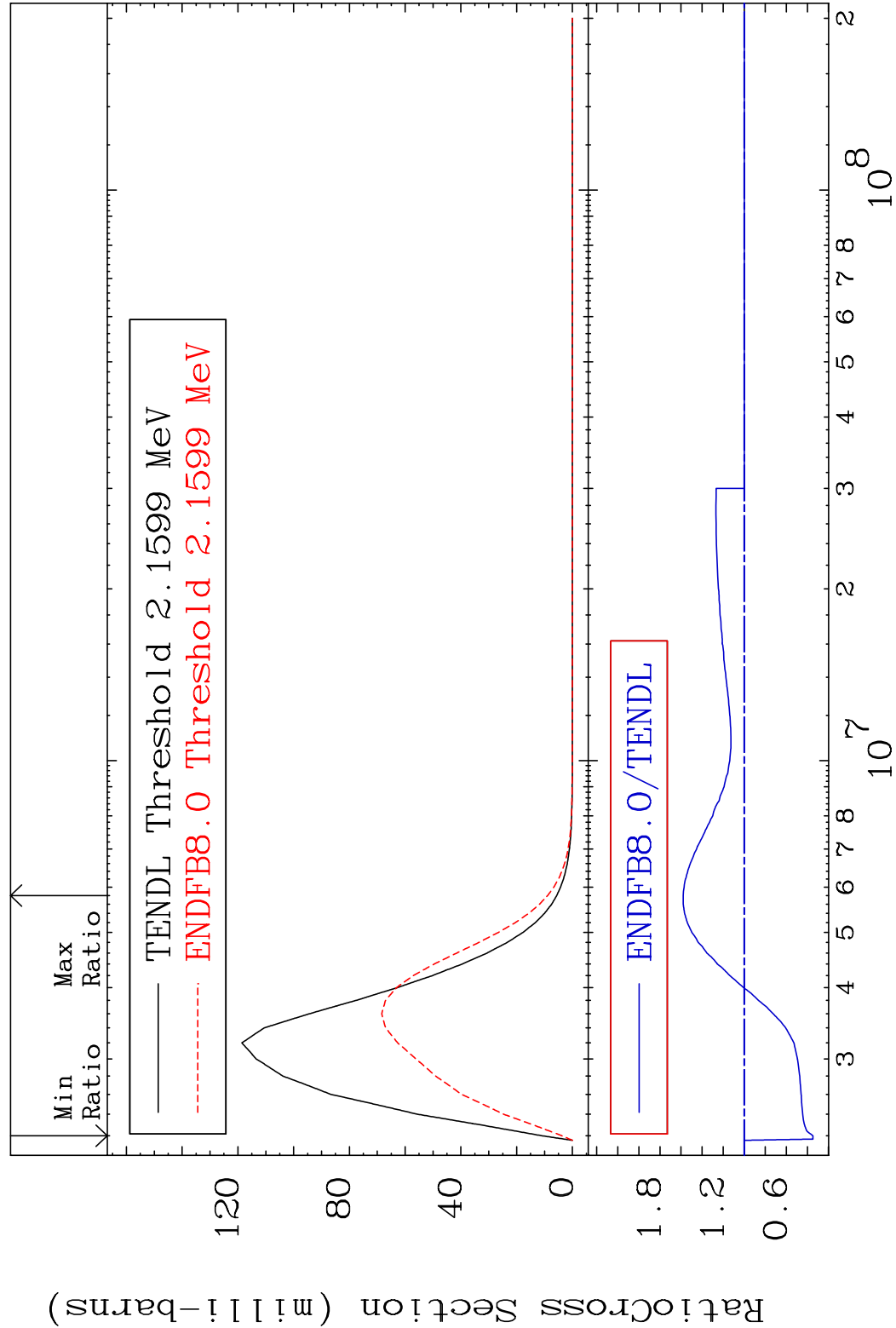


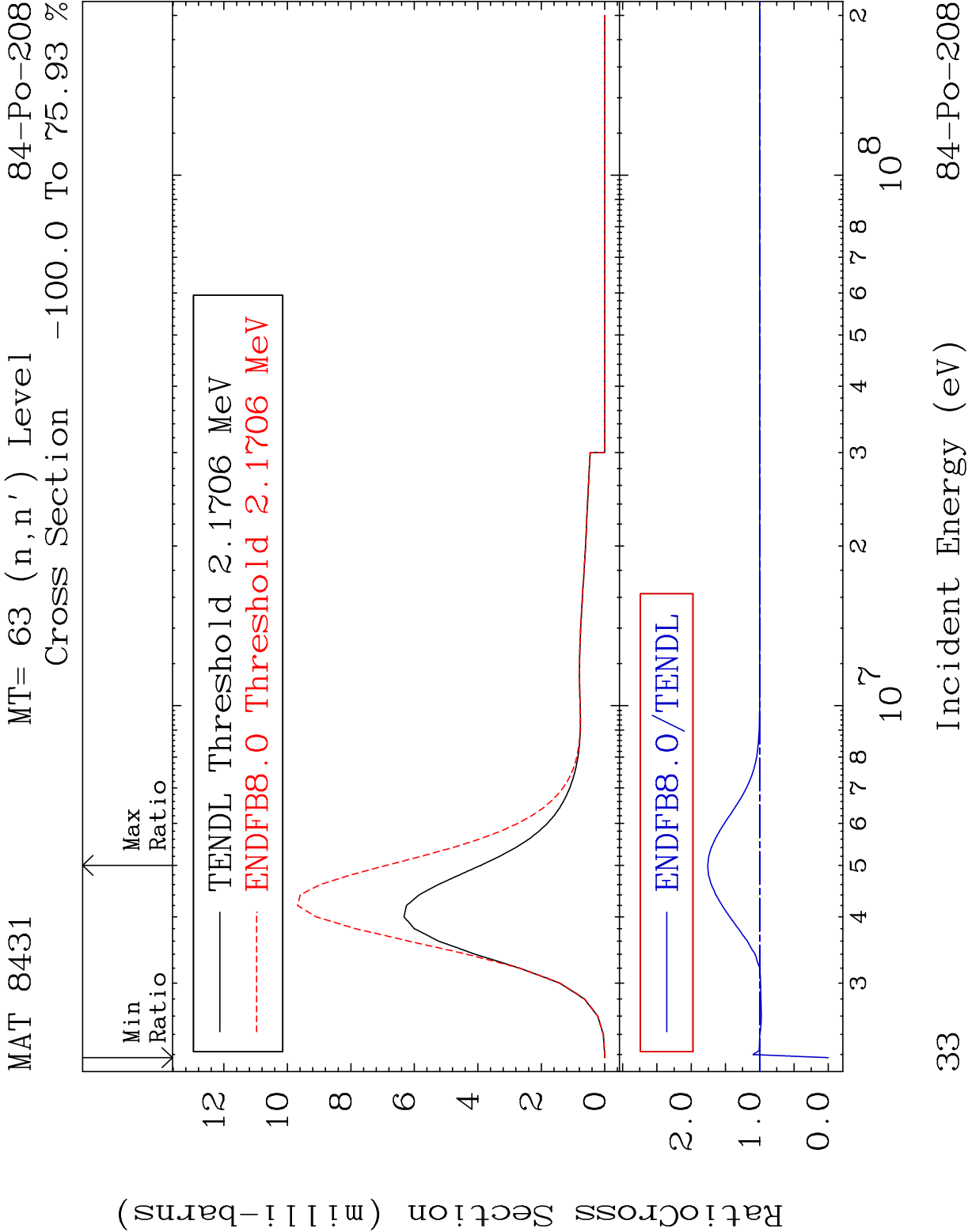


MAT 8431 MT= 61 (n,n') Level 84-Po-208
Cross Section -3.766 To 75.90 %

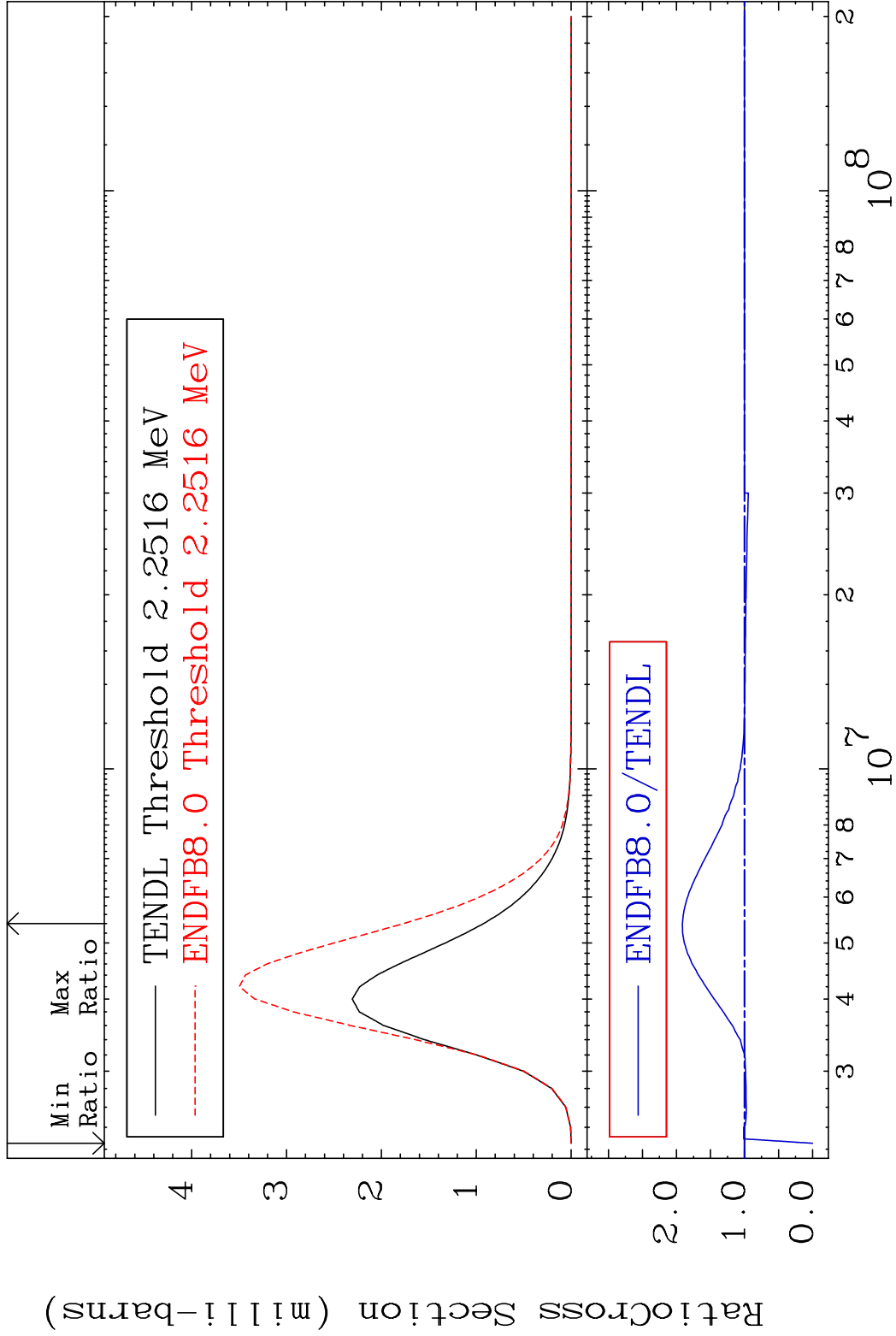


MAT 8431	MT= 62 (n,n')	Level	84-Po-208
	Cross Section	-65.20 To 57.95 %	

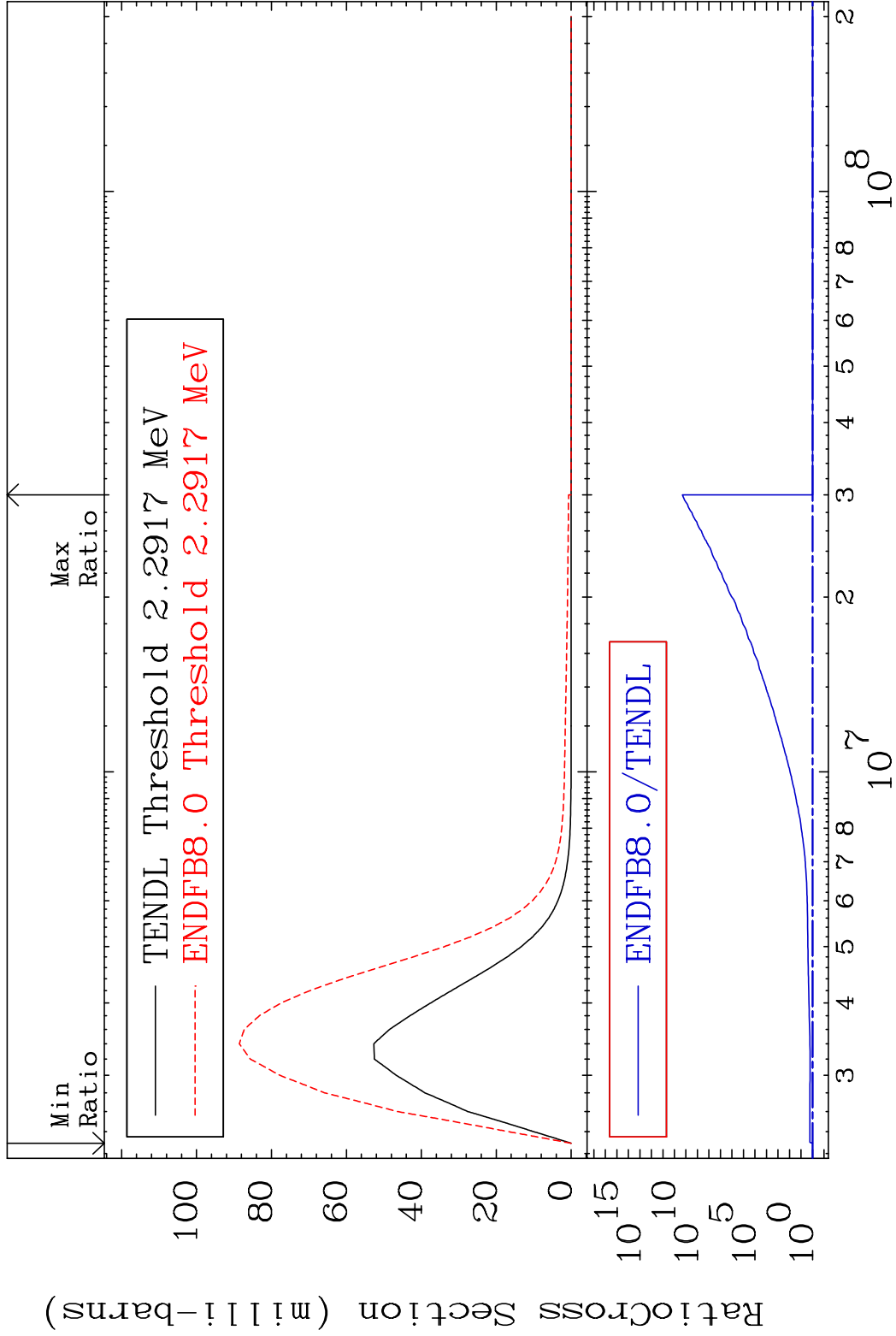




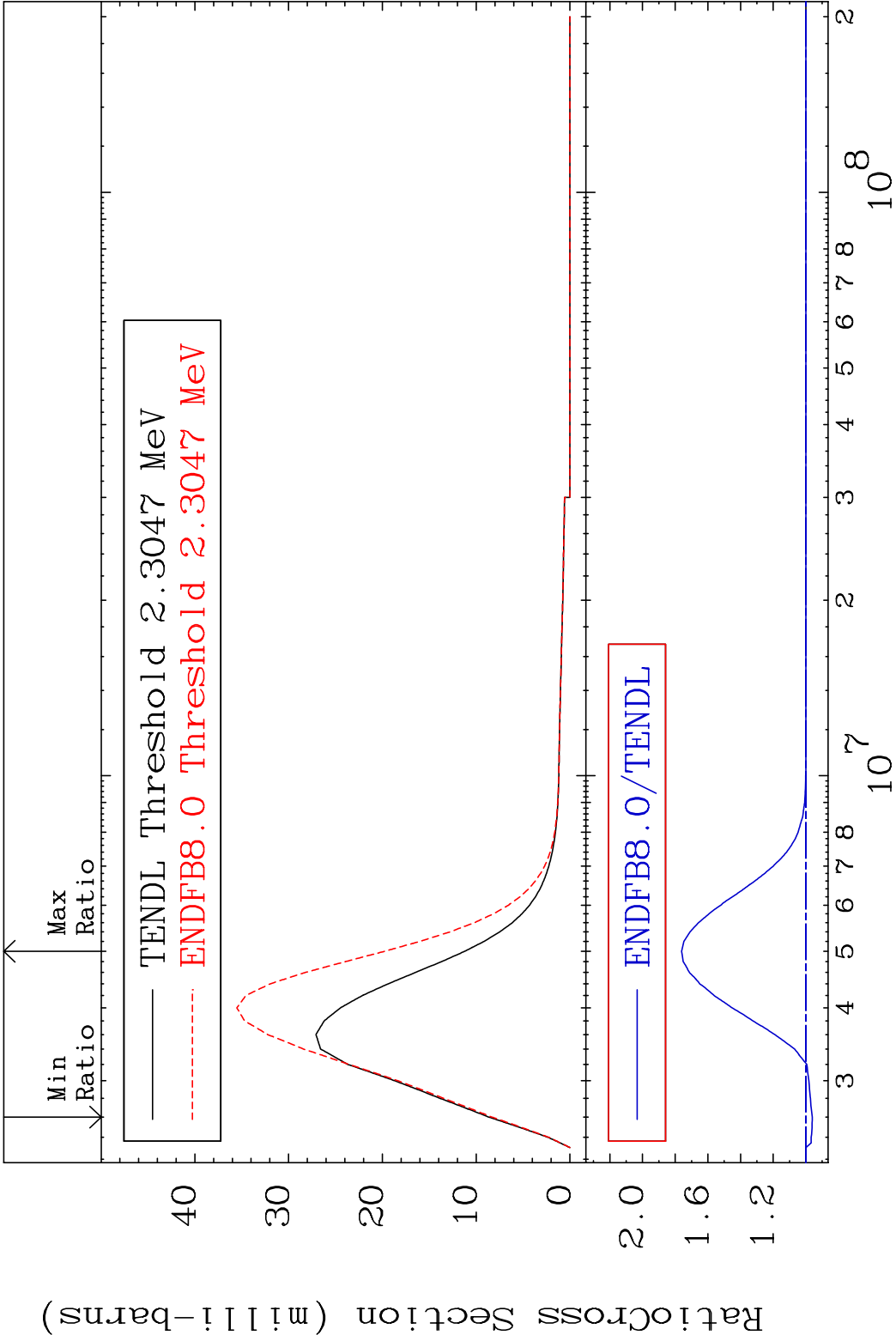
MAT 8431 MT= 64 (n,n') Level 84-Po-208
Cross Section -100.0 To 91.32 %



MAT 8431	MT= 65 (n,n')	Level	84-Po-208
	Cross Section	0.000	To 9999. %



MAT 8431 MT= 66 (n,n') Level 84-Po-208
Cross Section -3.882 To 76.12 %



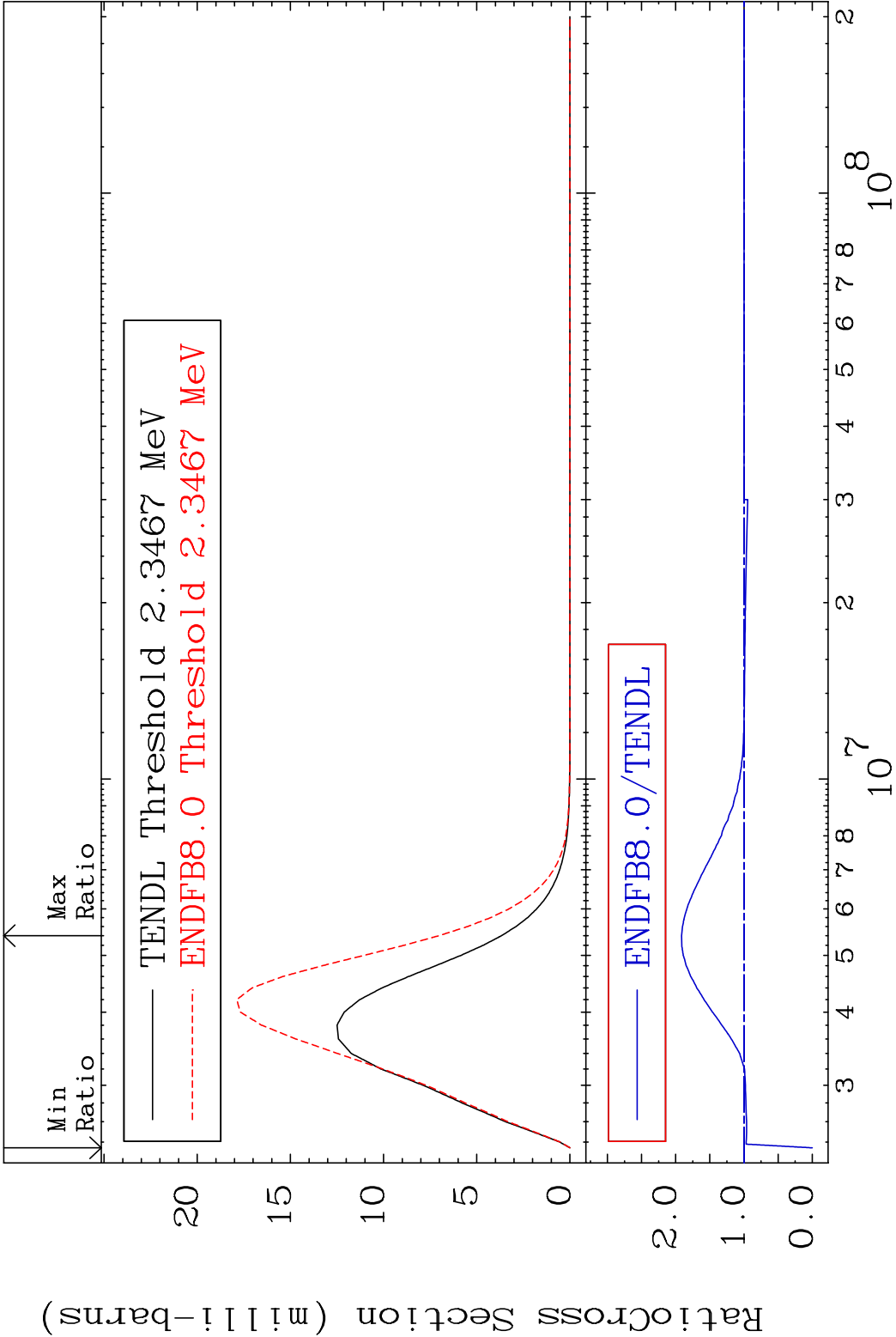
MAT 8431

MT= 67 (n,n') Level

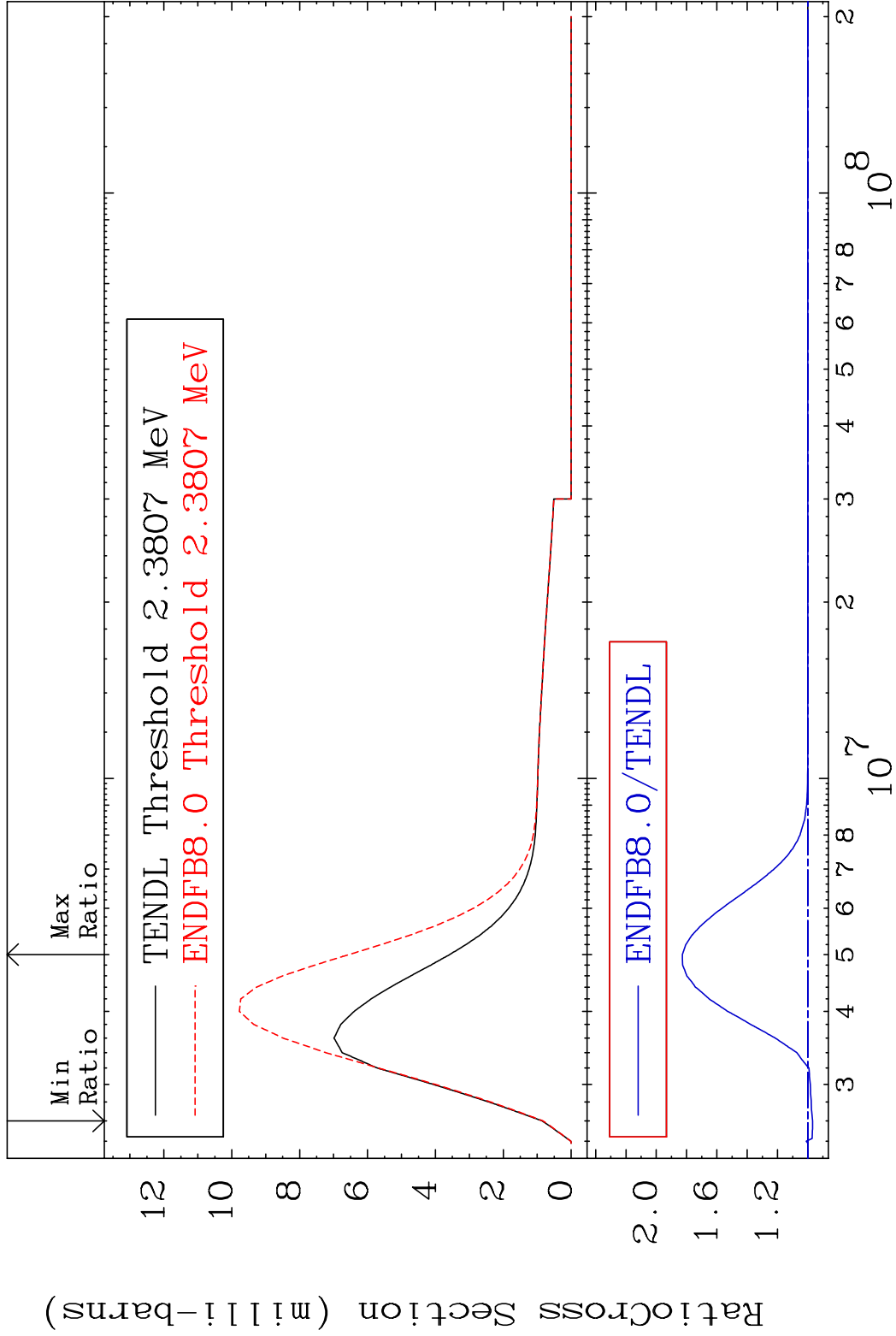
84-Po-208

Cross Section

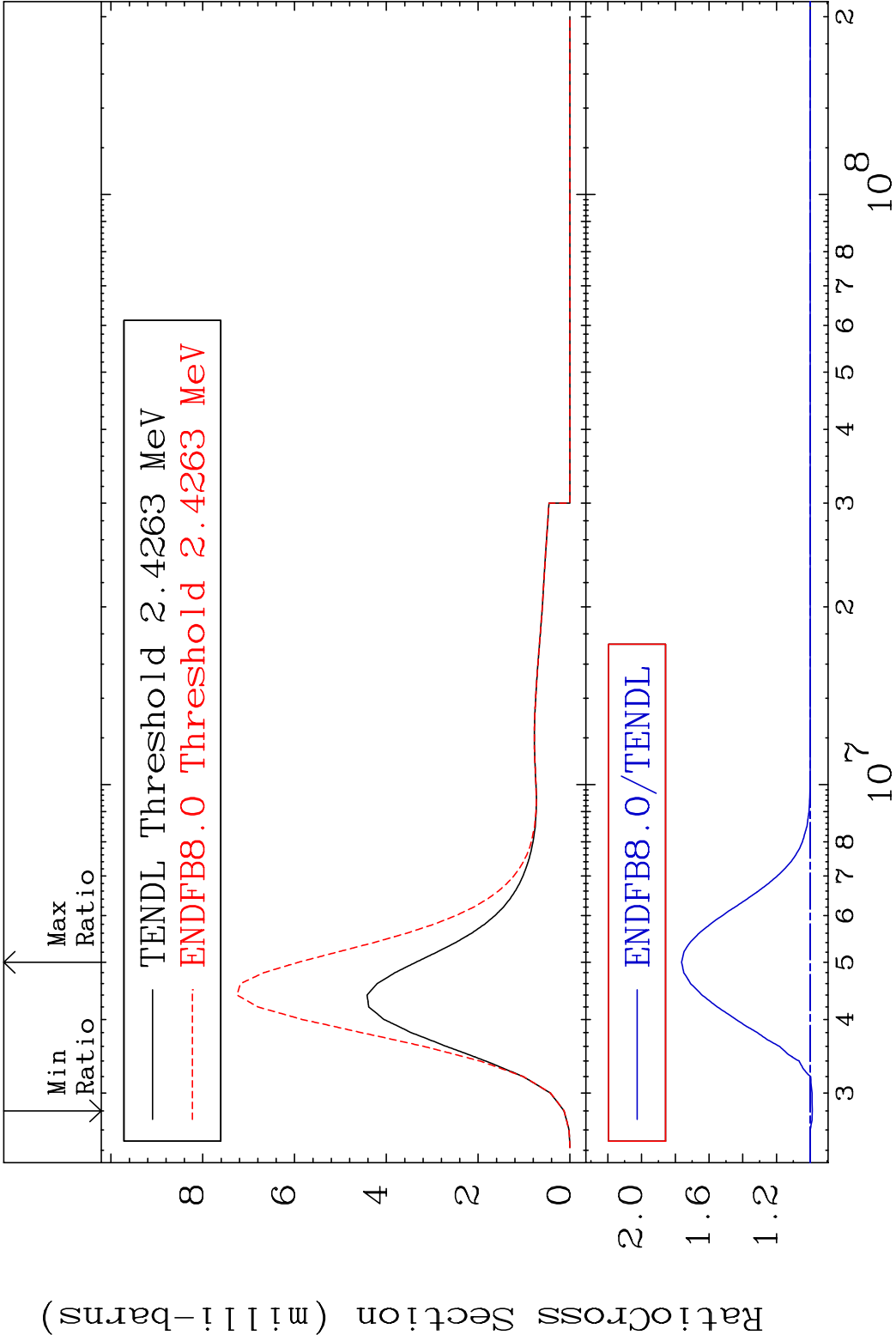
-100.0 To 91.45 %

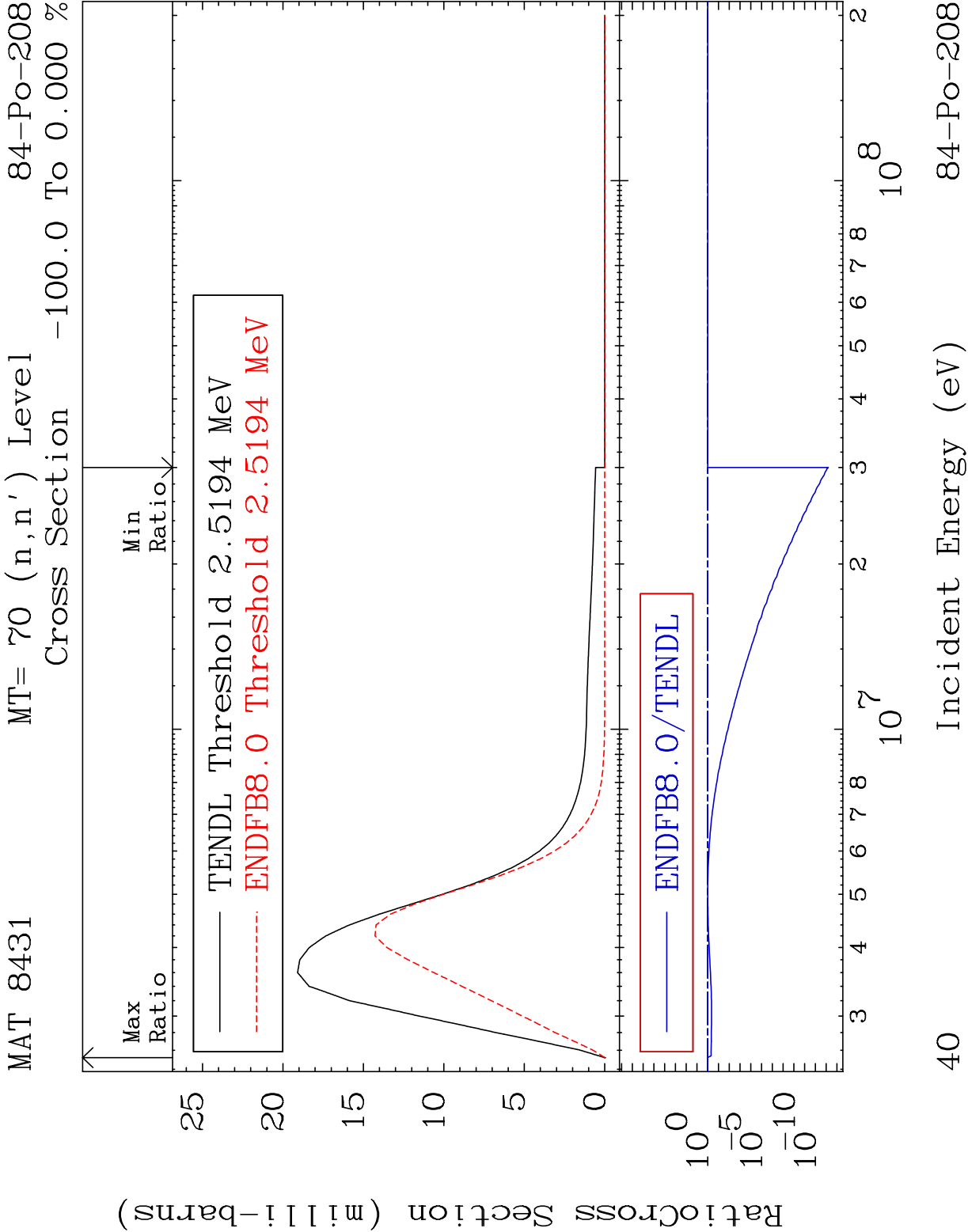


MAT 8431 MT= 68 (n,n') Level 84-Po-208
Cross Section -3.126 To 82.79 %

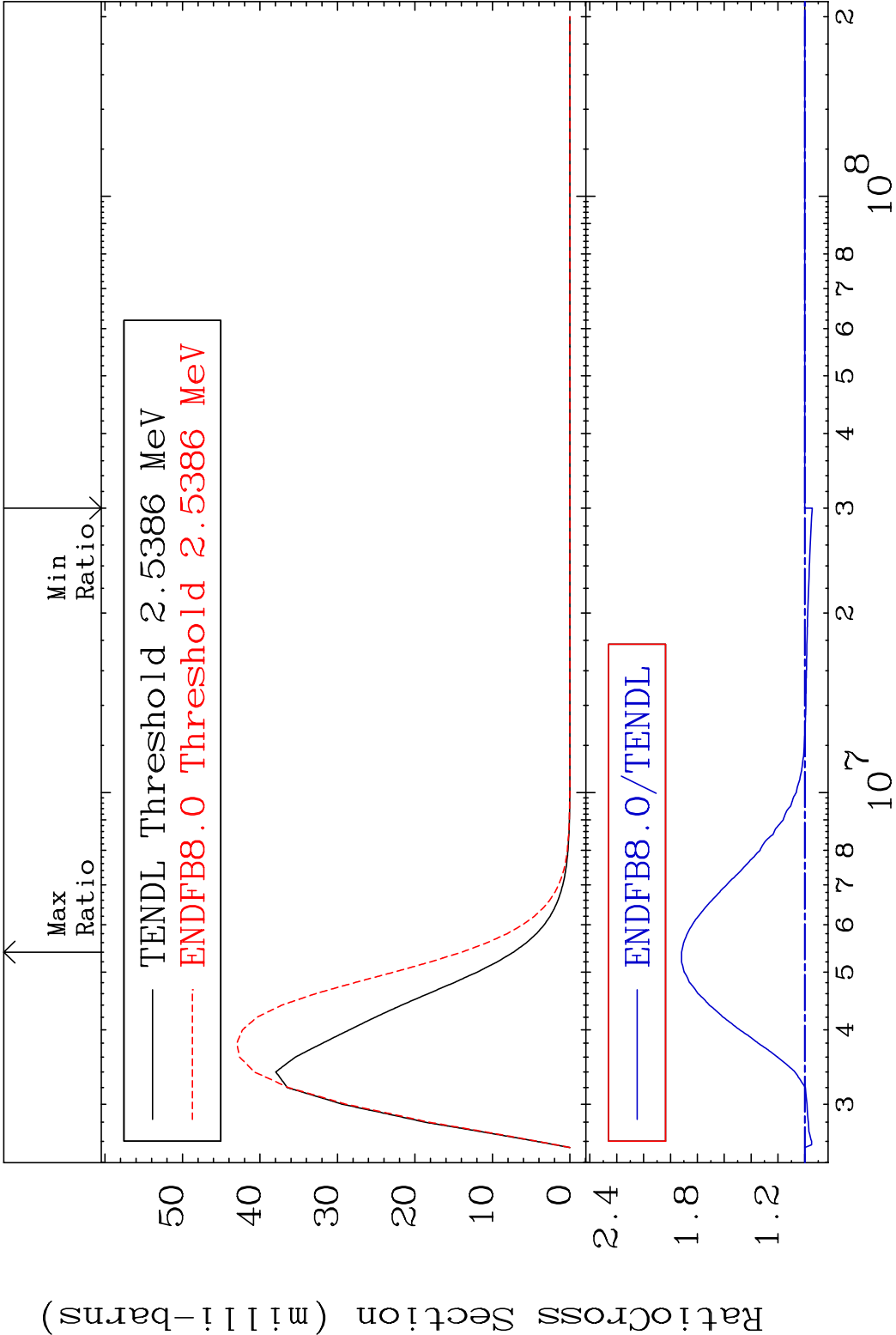


MAT 8431 MT= 69 (n,n') Level 84-Po-208
Cross Section -1.182 To 76.29 %

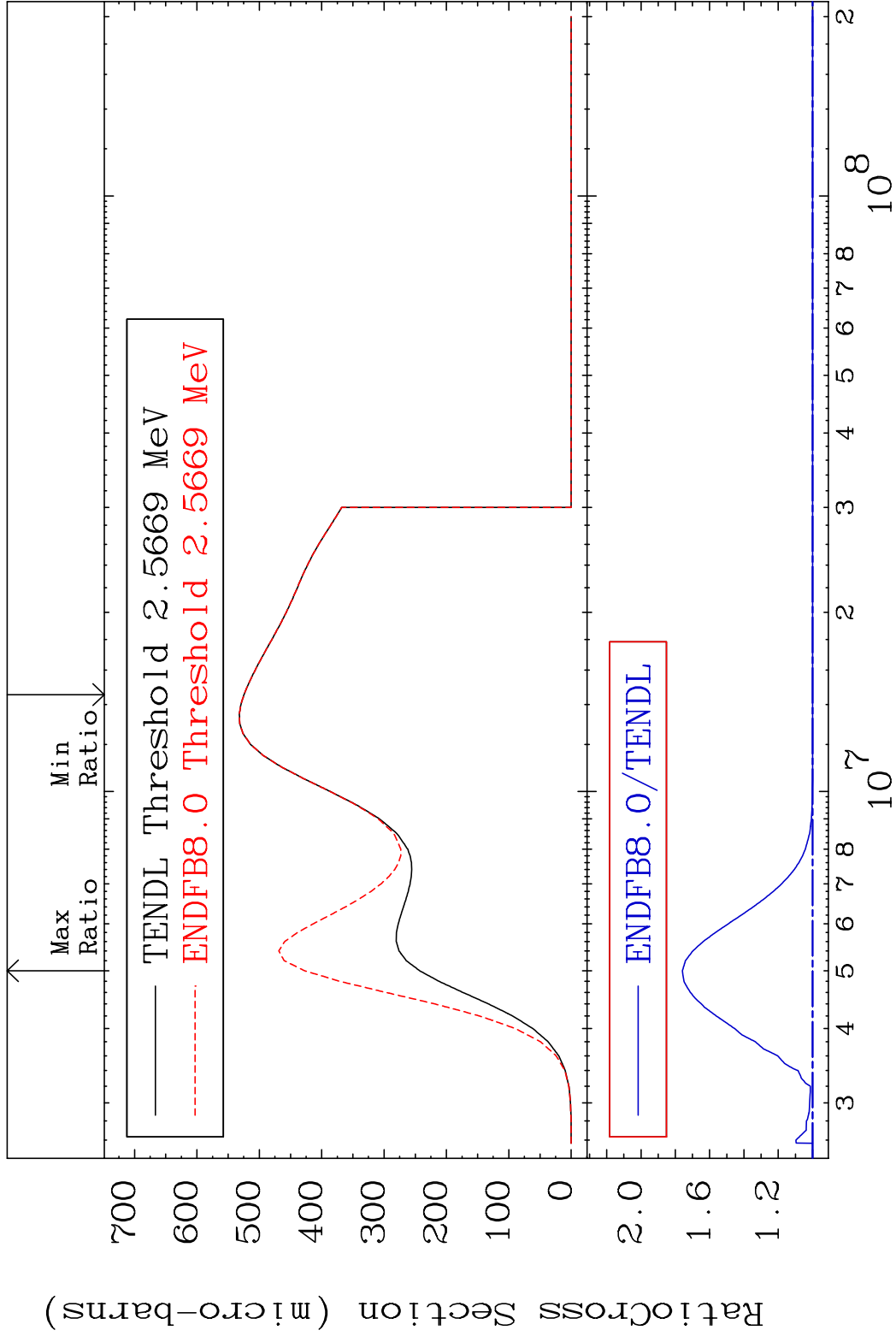




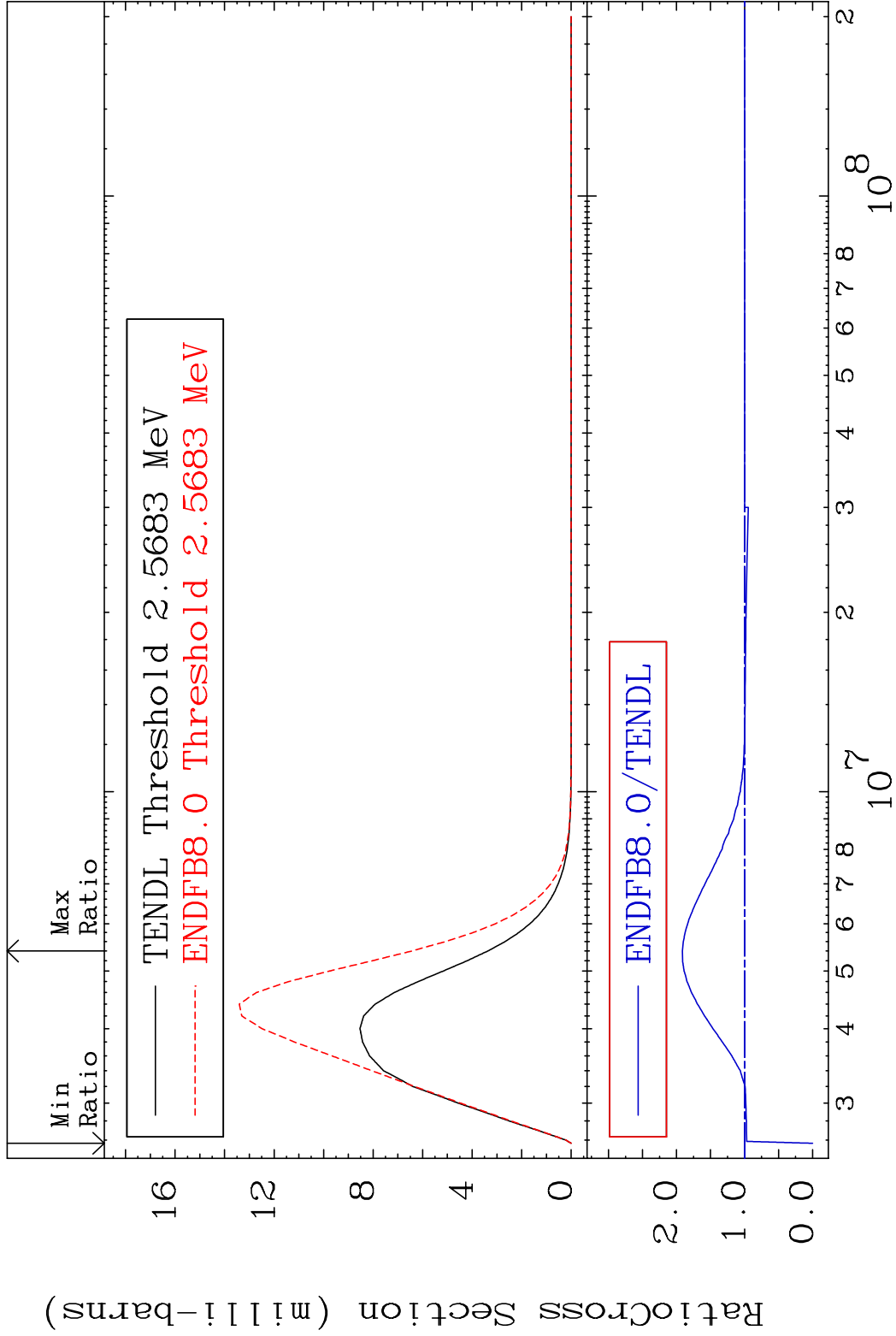
MAT 8431	MT= 71 (n,n')	Level	84-Po-208
	Cross Section	-5.508 To 91.78 %	



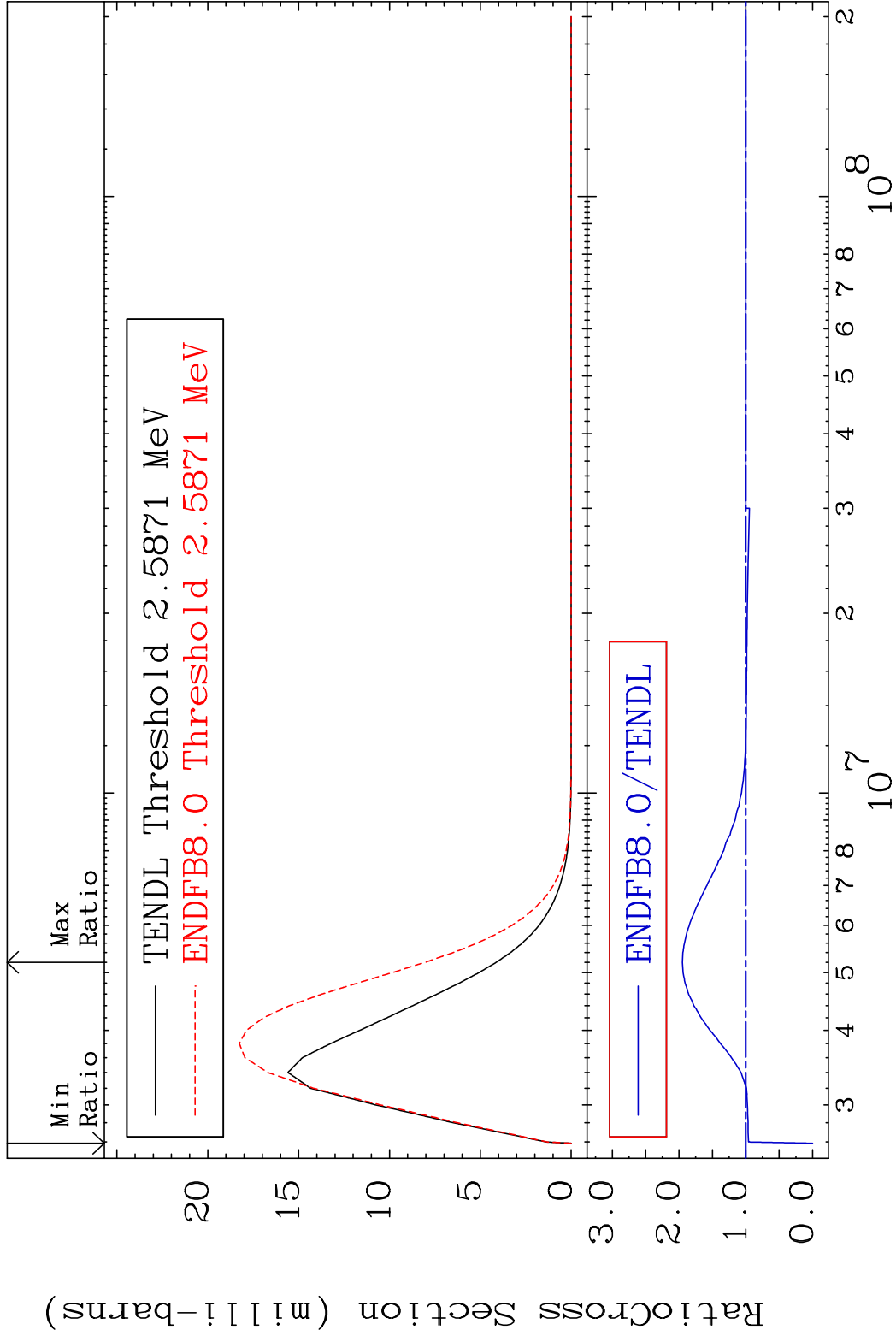
MAT 8431 MT= 72 (n,n') Level 84-Po-208
Cross Section 0.000 To 75.90 %



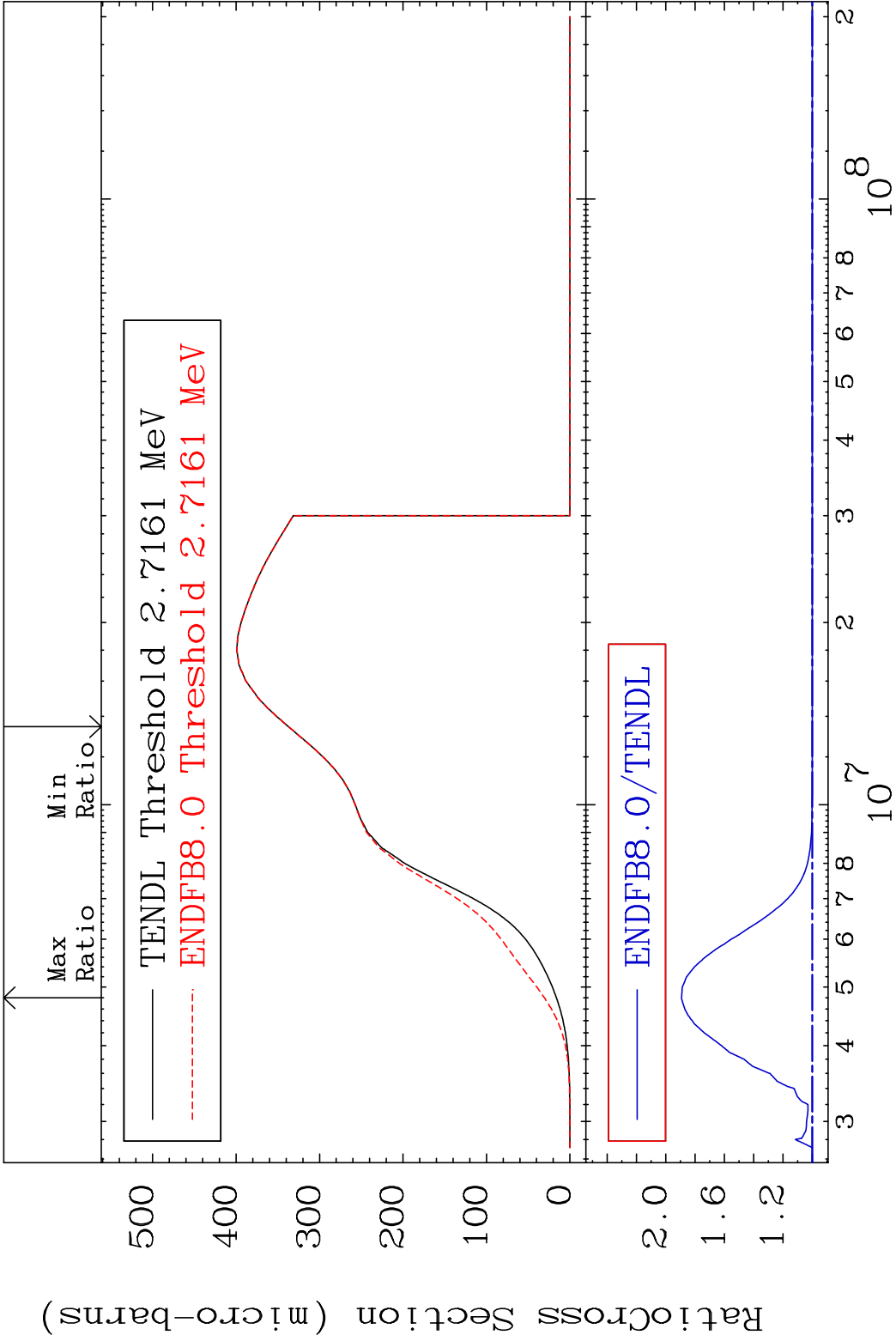
MAT 8431 MT= 73 (n,n') Level 84-Po-208
Cross Section -100.0 To 91.43 %



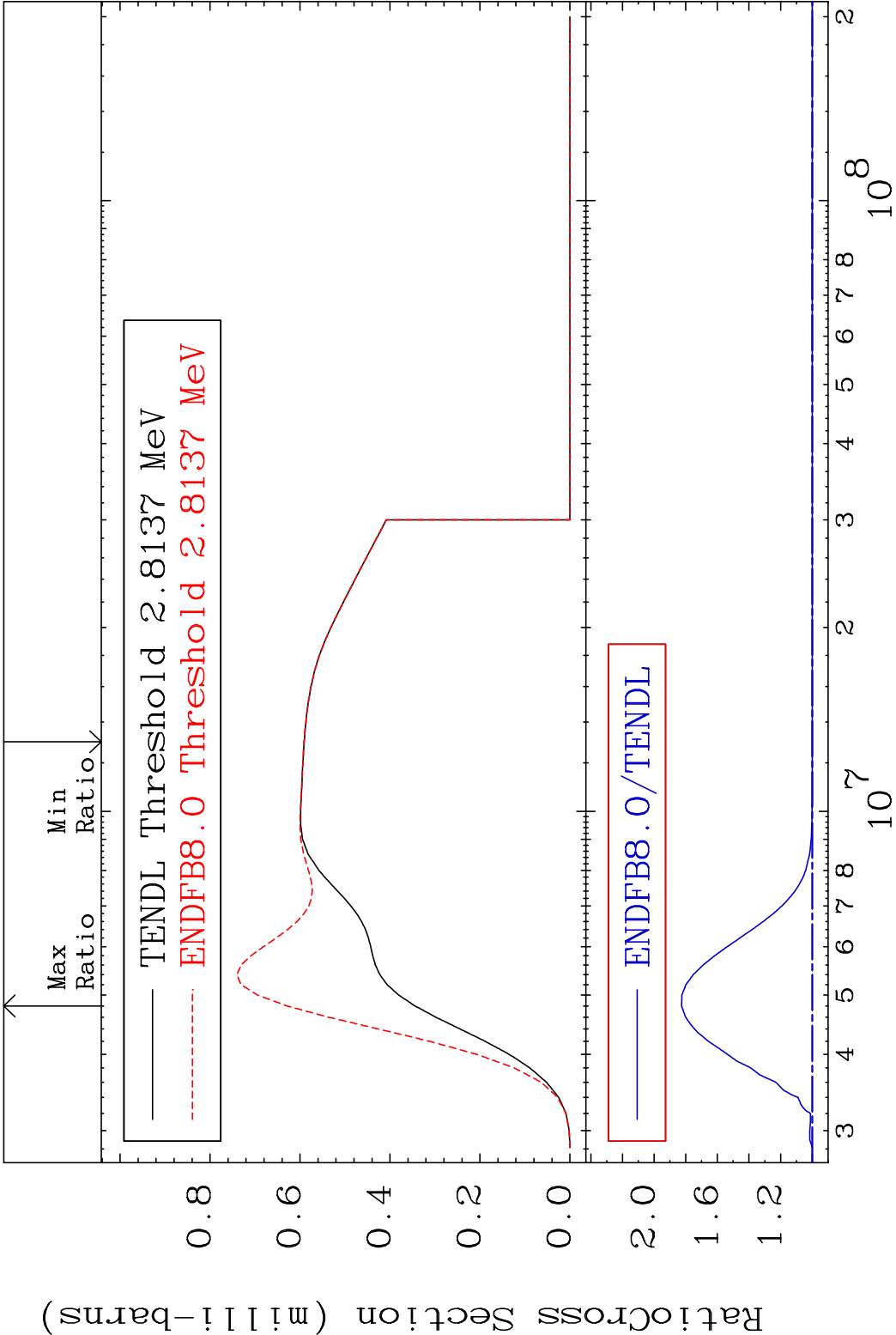
MAT 8431 MT= 74 (n,n') Level 84-Po-208
Cross Section -100.0 To 95.02 %



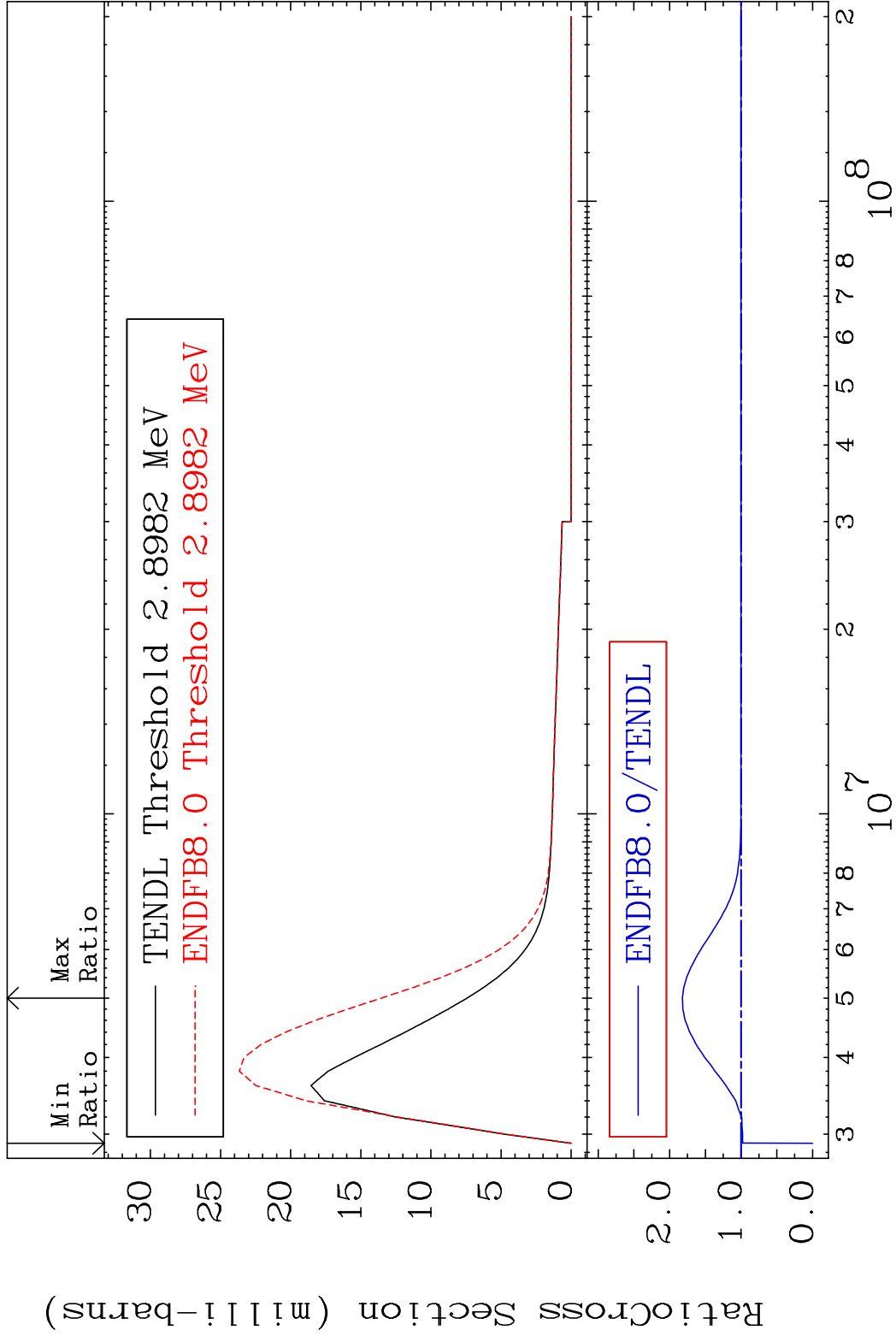
MAT 8431	MT= 75 (n,n')	Level	84-Po-208
	Cross Section	0.000	To 89.19 %



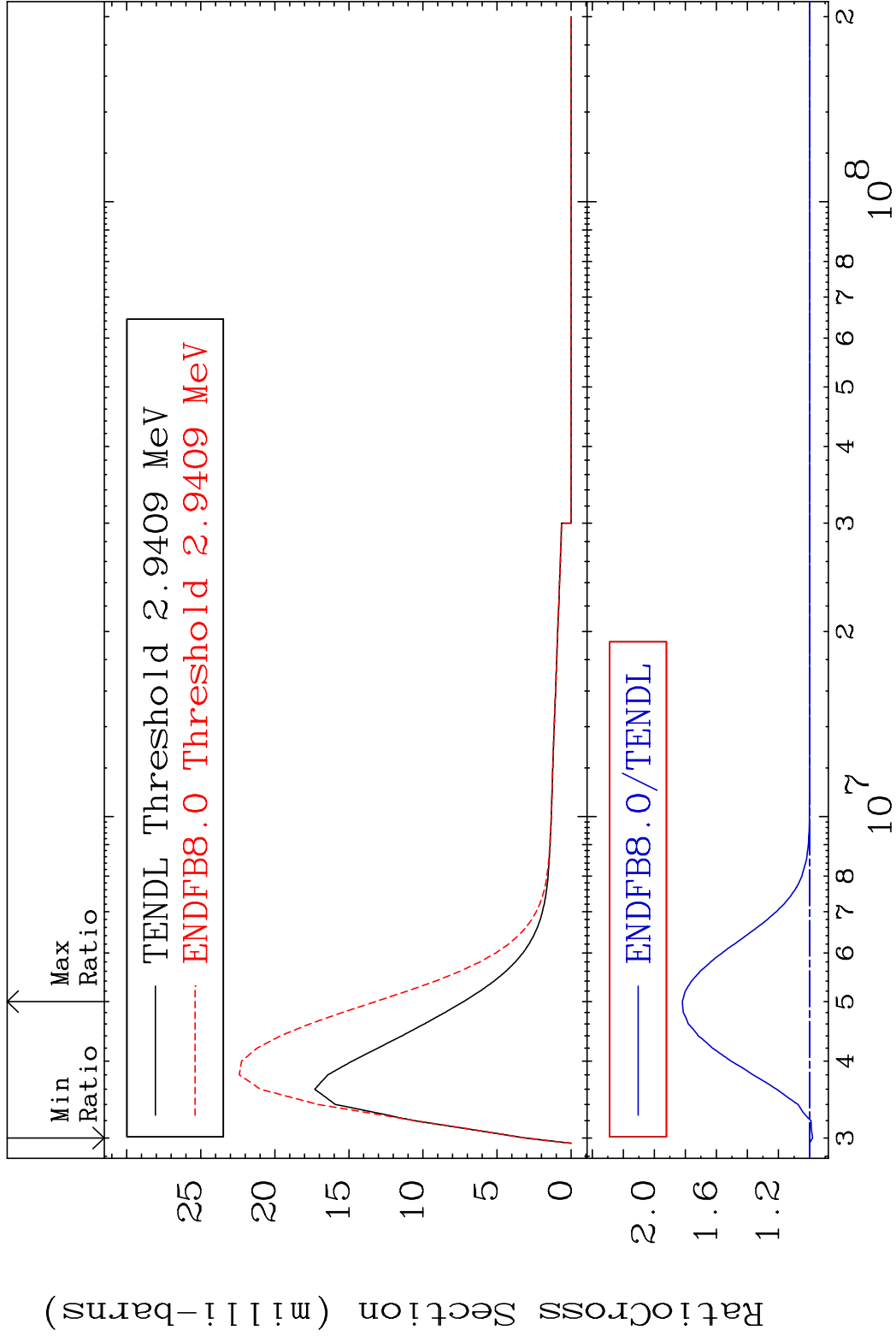
MAT 8431 MT= 76 (n,n') Level 84-Po-208
Cross Section 0.000 To 82.64 %



MAT 8431 MT= 77 (n,n') Level 84-Po-208
Cross Section -100.0 To 82.19 %

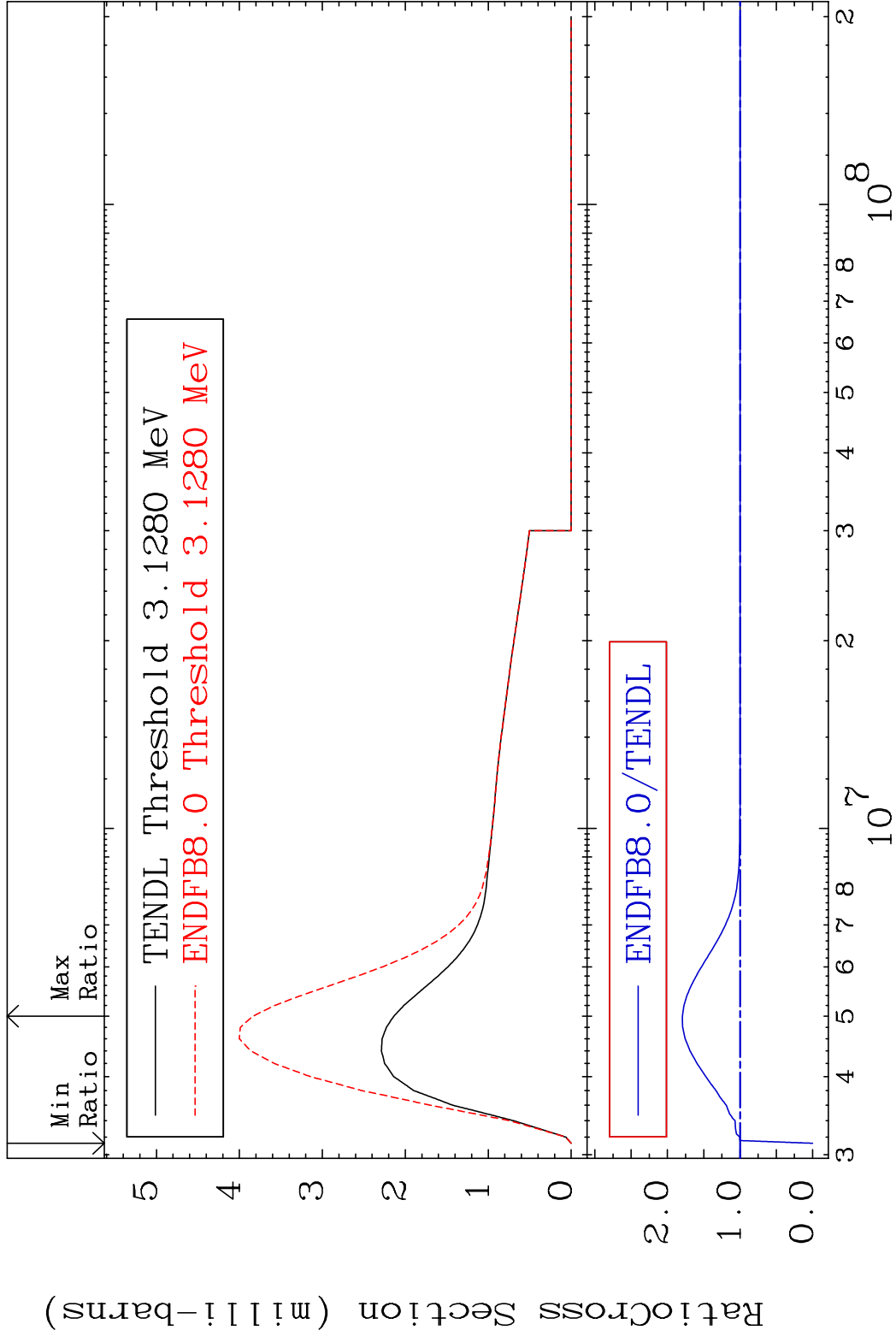


MAT 8431 MT= 78 (n,n') Level 84-Po-208
Cross Section -1.940 To 81.95 %

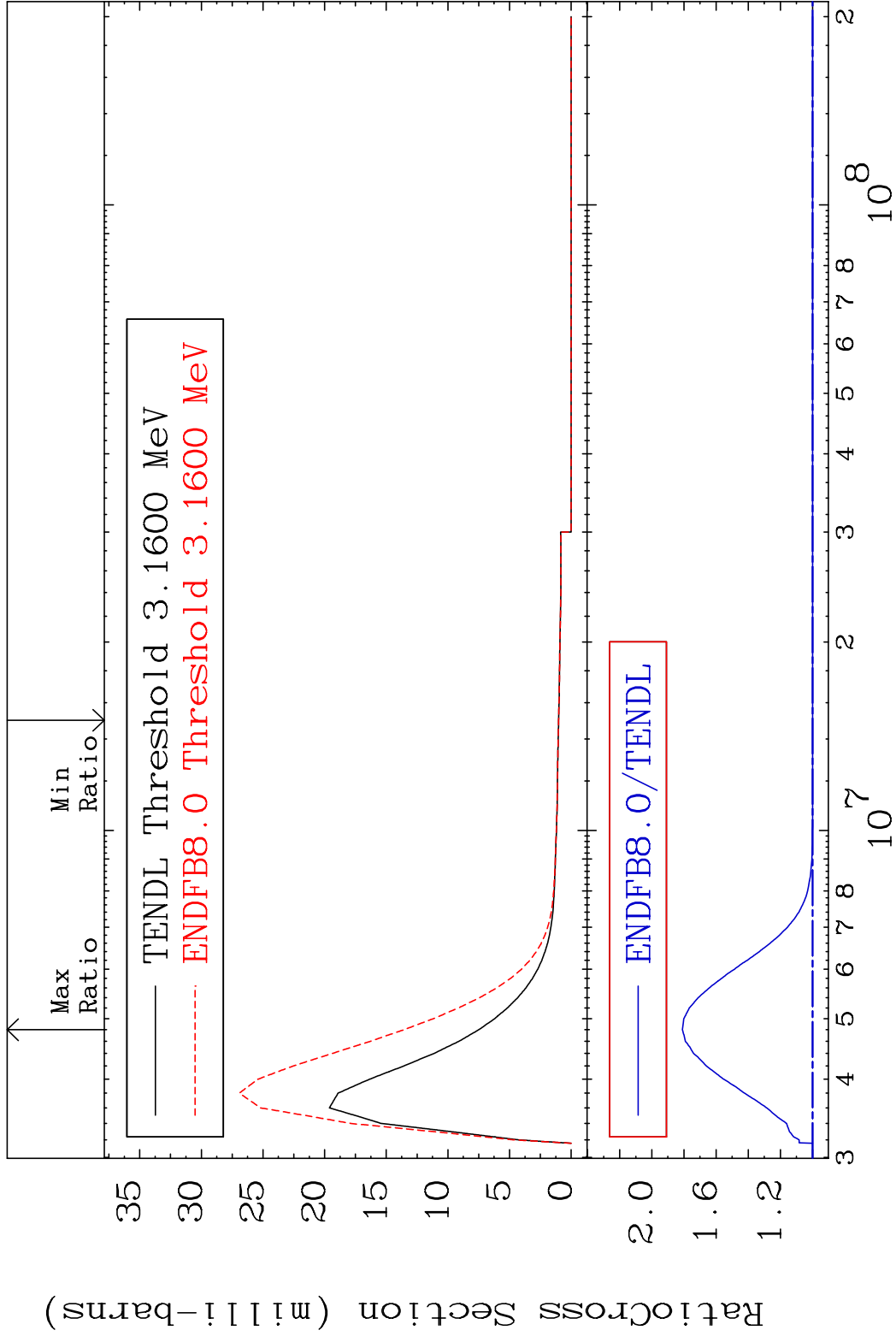


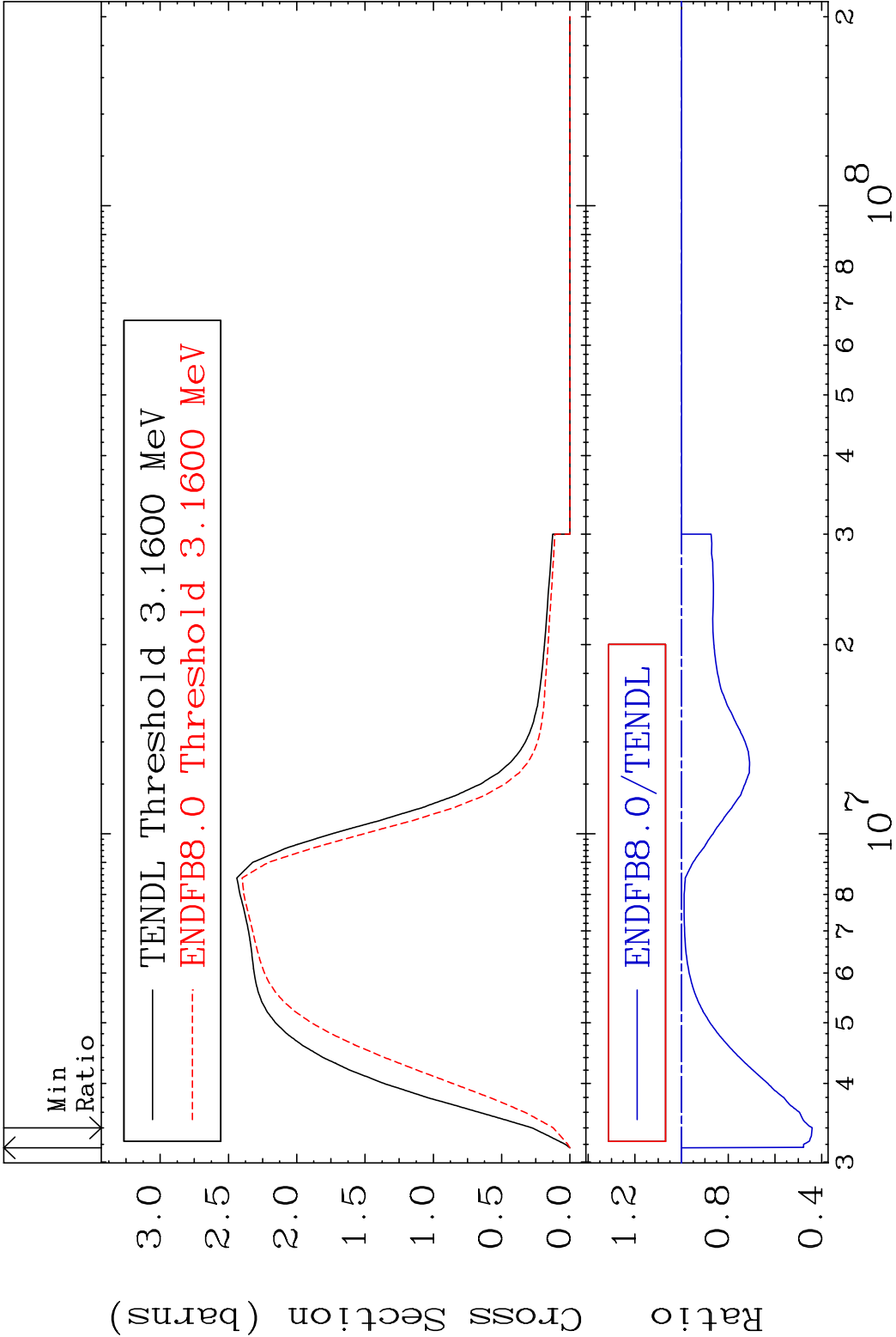
48 Incident Energy (eV) 84-Po-208

MAT 8431 MT= 79 (n,n') Level 84-Po-208
Cross Section -100.0 To 79.44 %



MAT 8431 MT= 80 (n,n') Level 84-Po-208
Cross Section 0.000 To 81.01 %



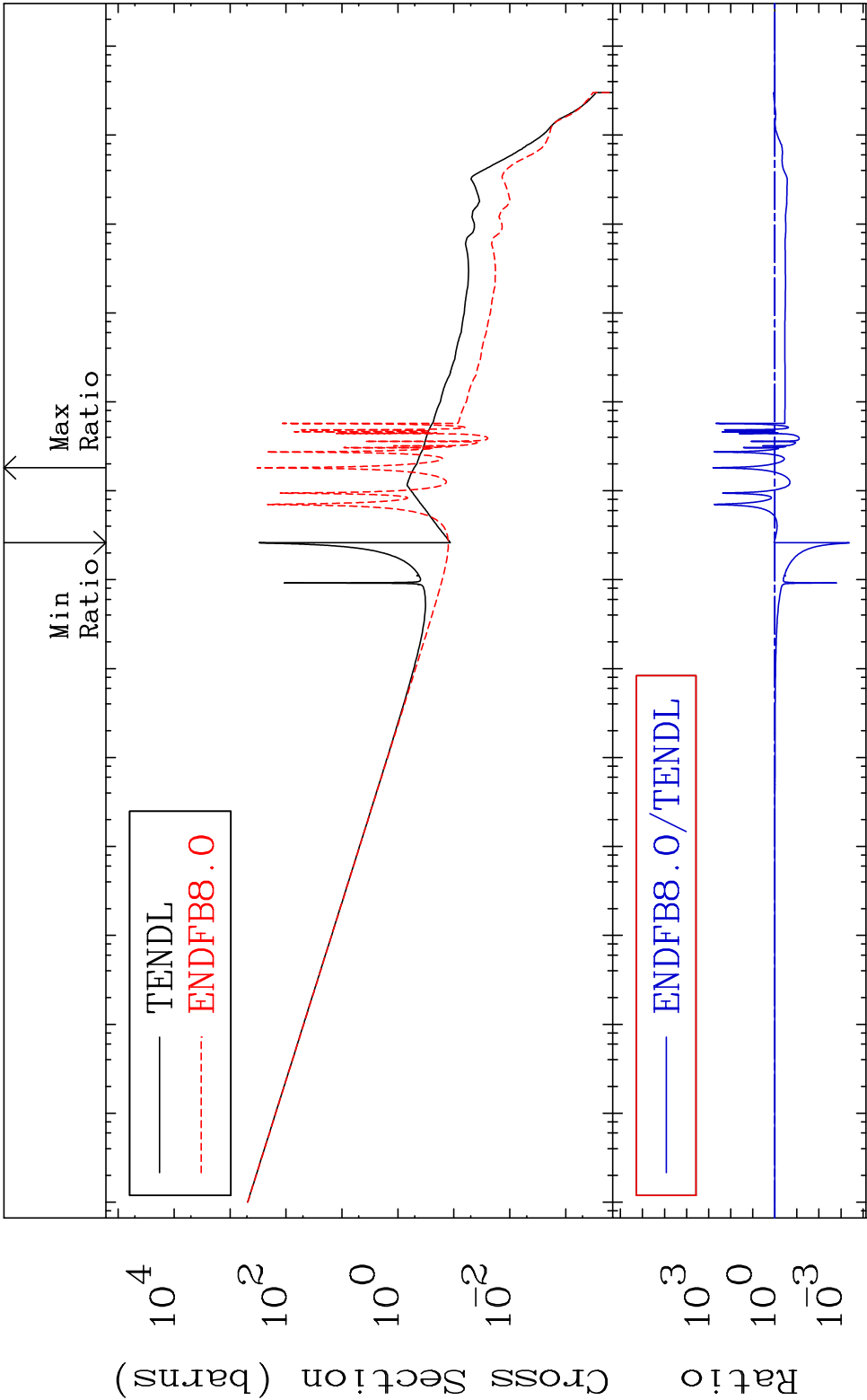


MAT 8431

(n, γ)

84-Po-208

Cross Section -99.96 To 9999. %

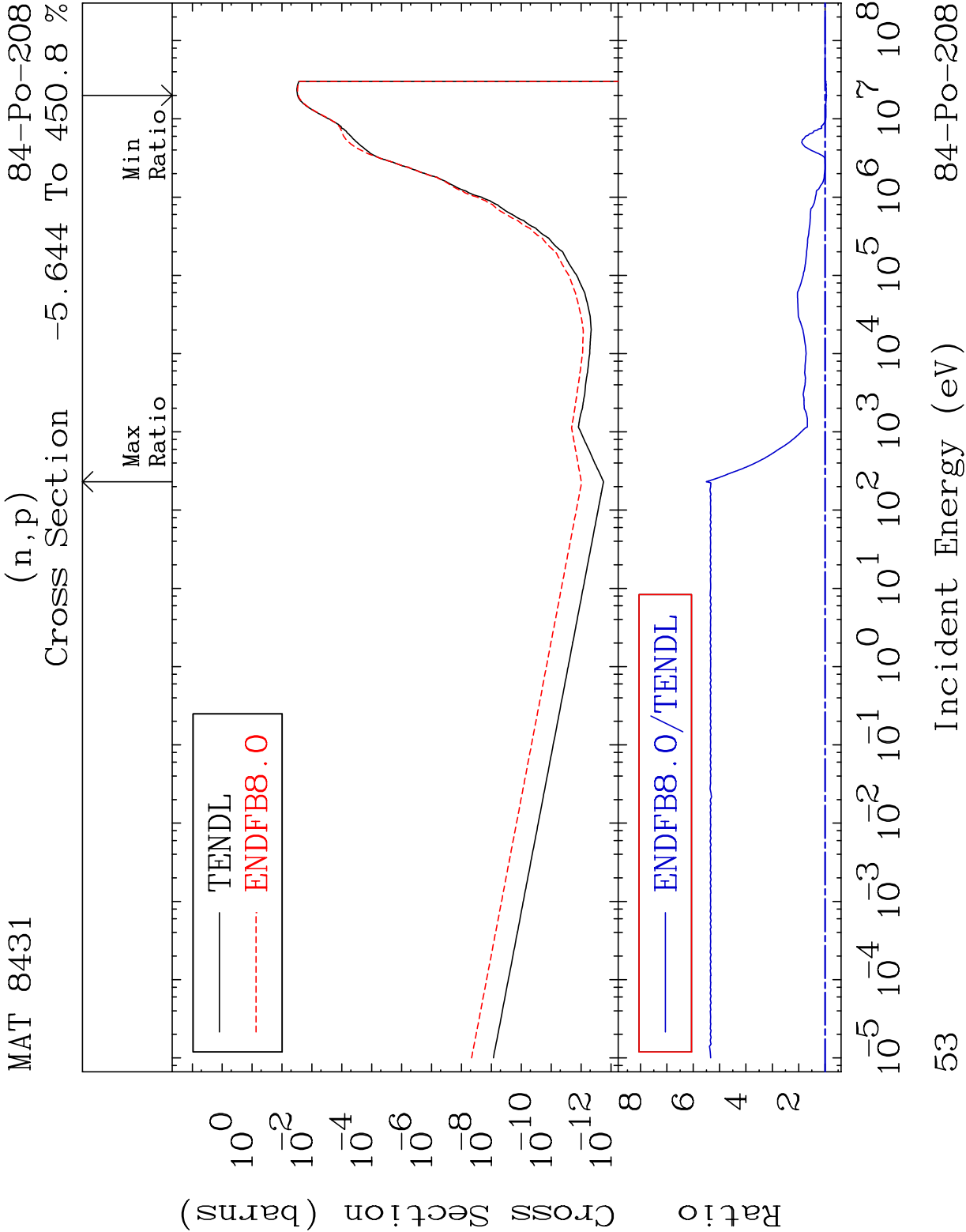


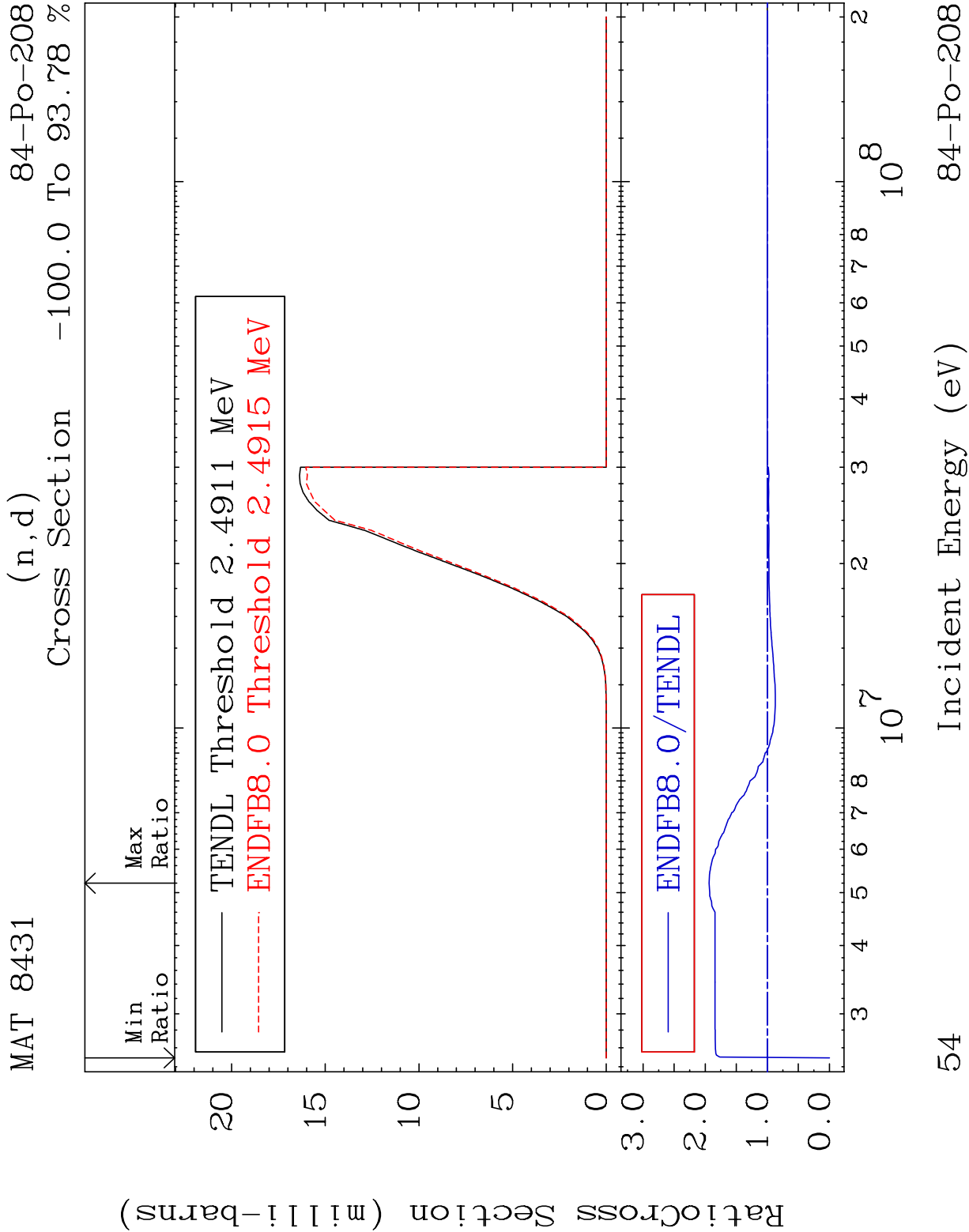
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

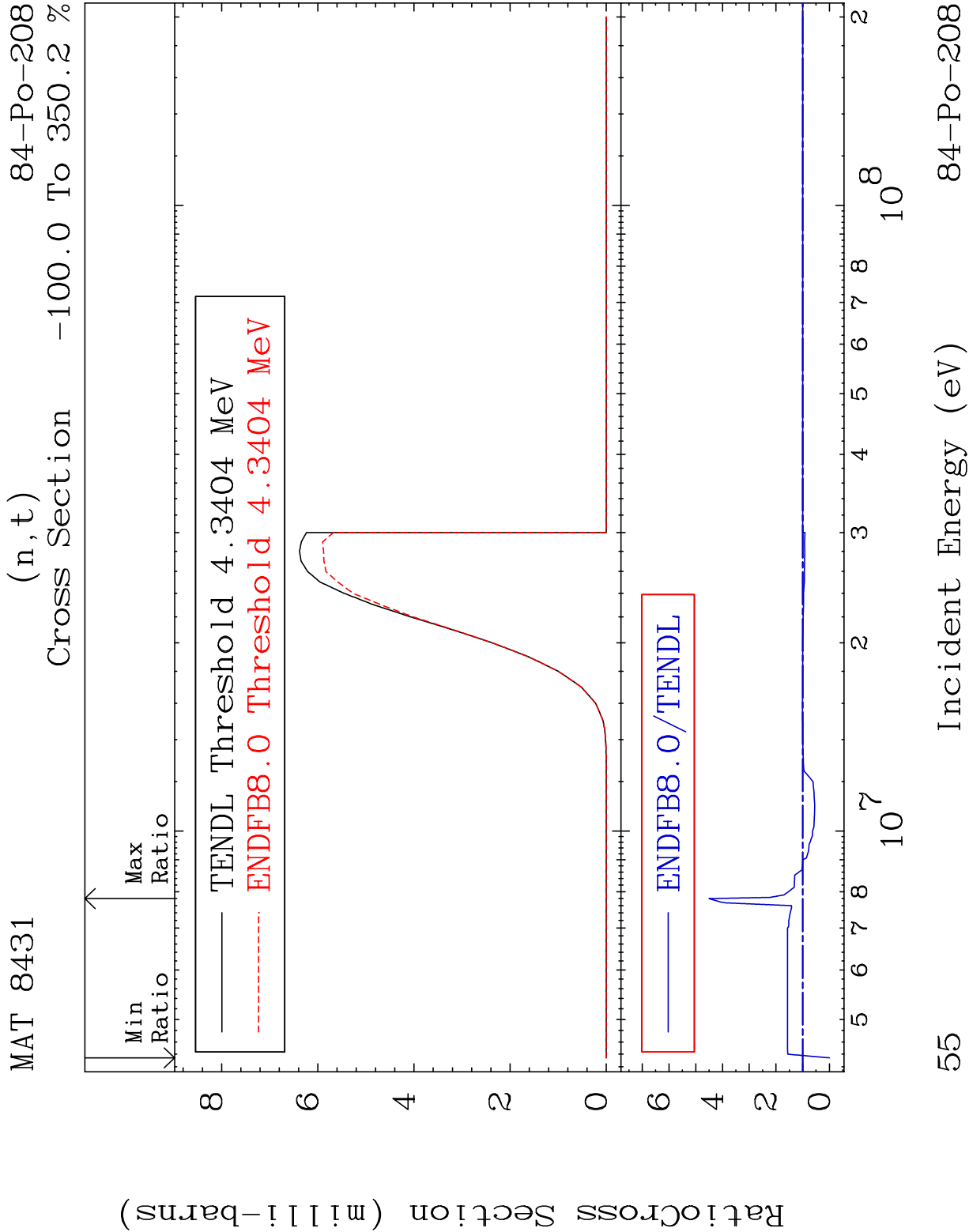
52

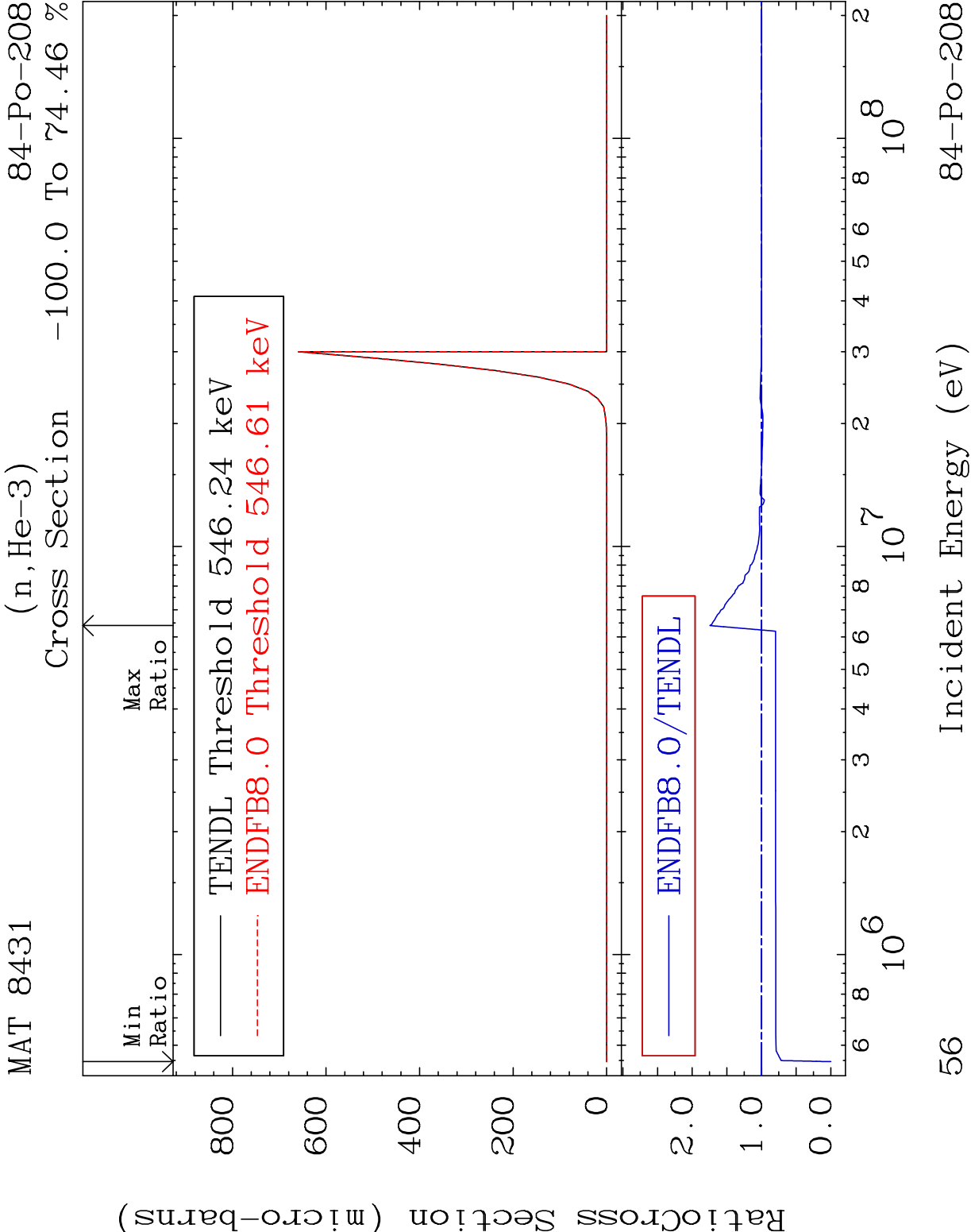
Incident Energy (eV)

84-Po-208







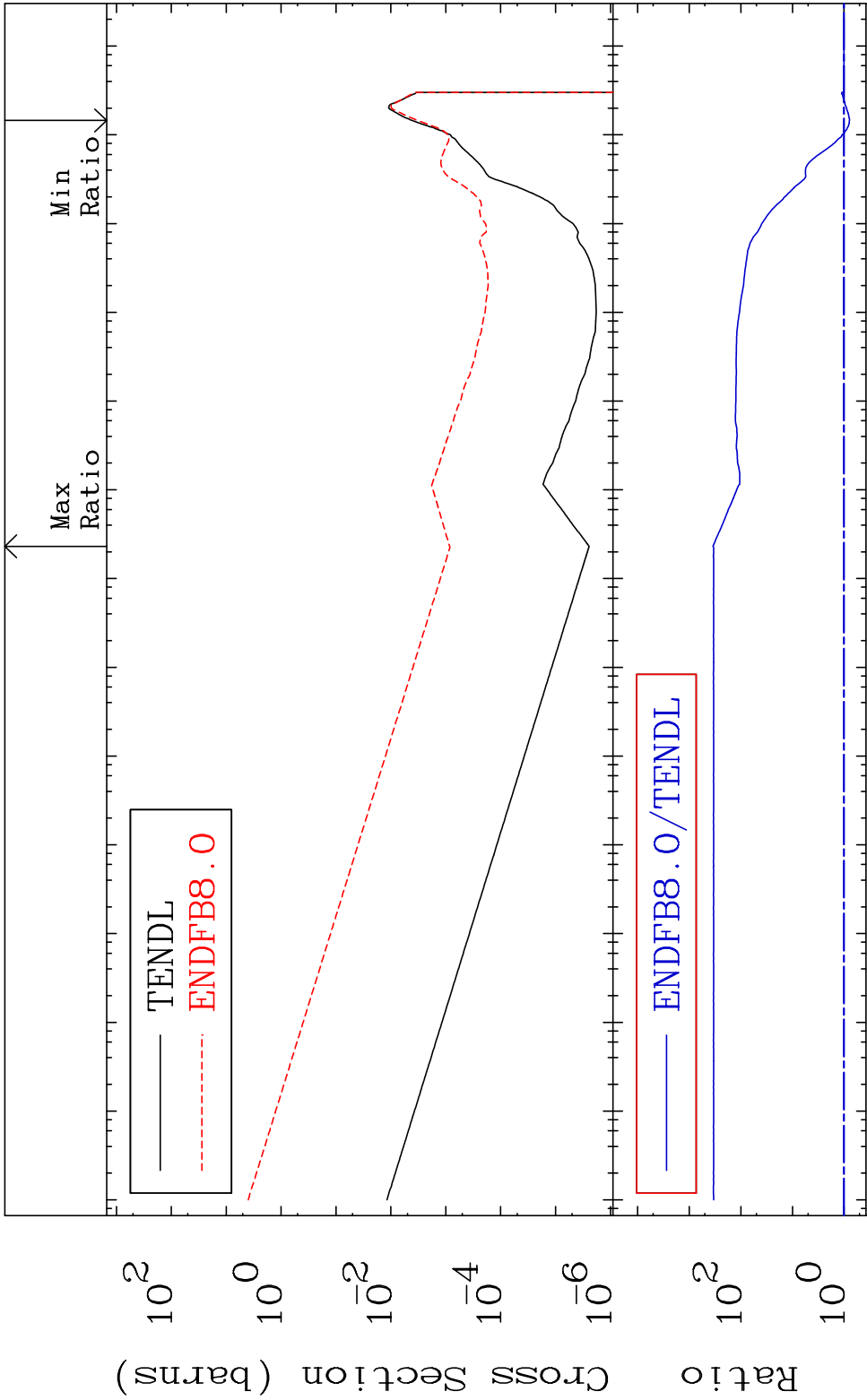


MAT 8431

(n, α)

84-Po-208

Cross Section -21.27 To 9999. %



57

Incident Energy (eV)

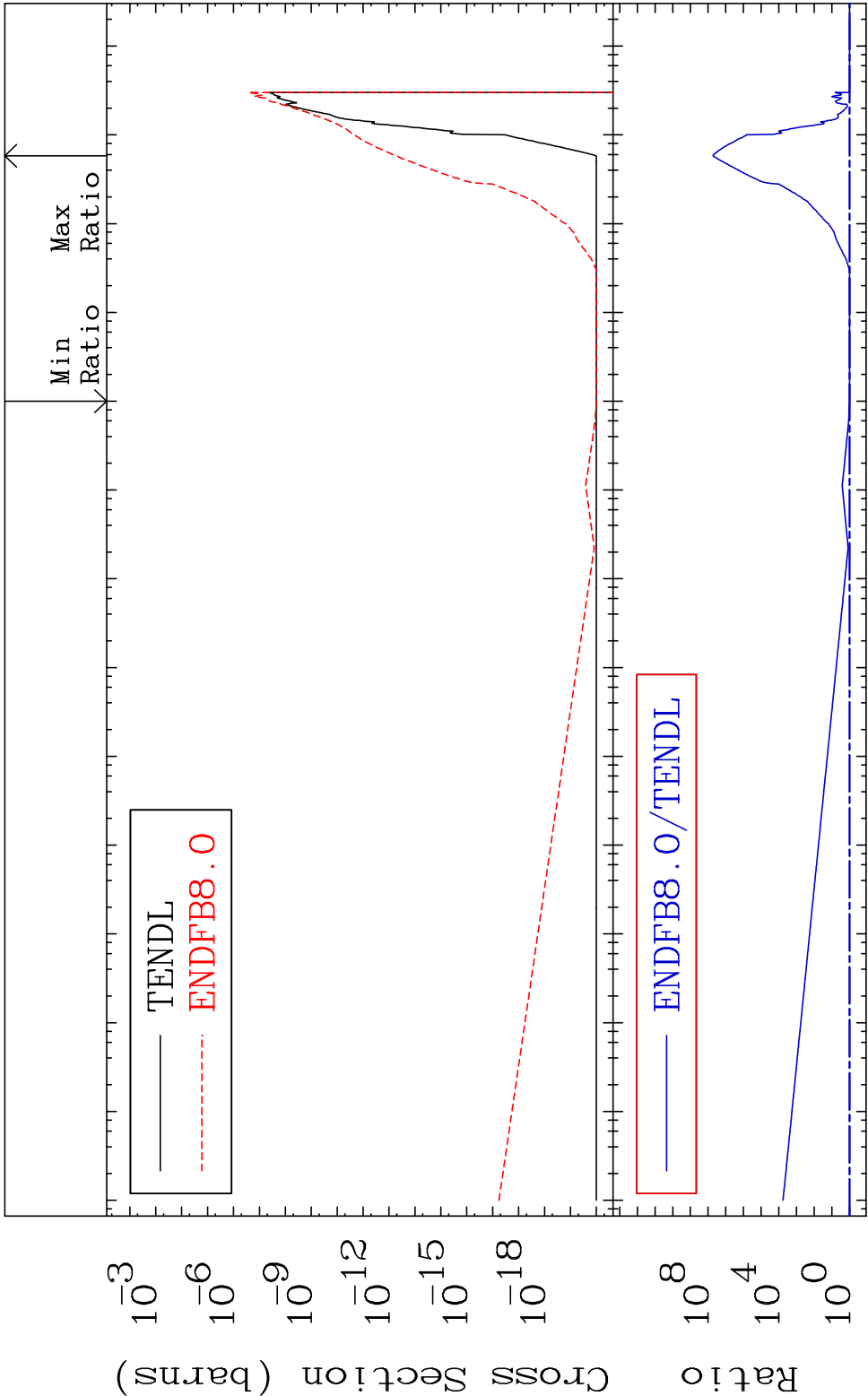
84-Po-208

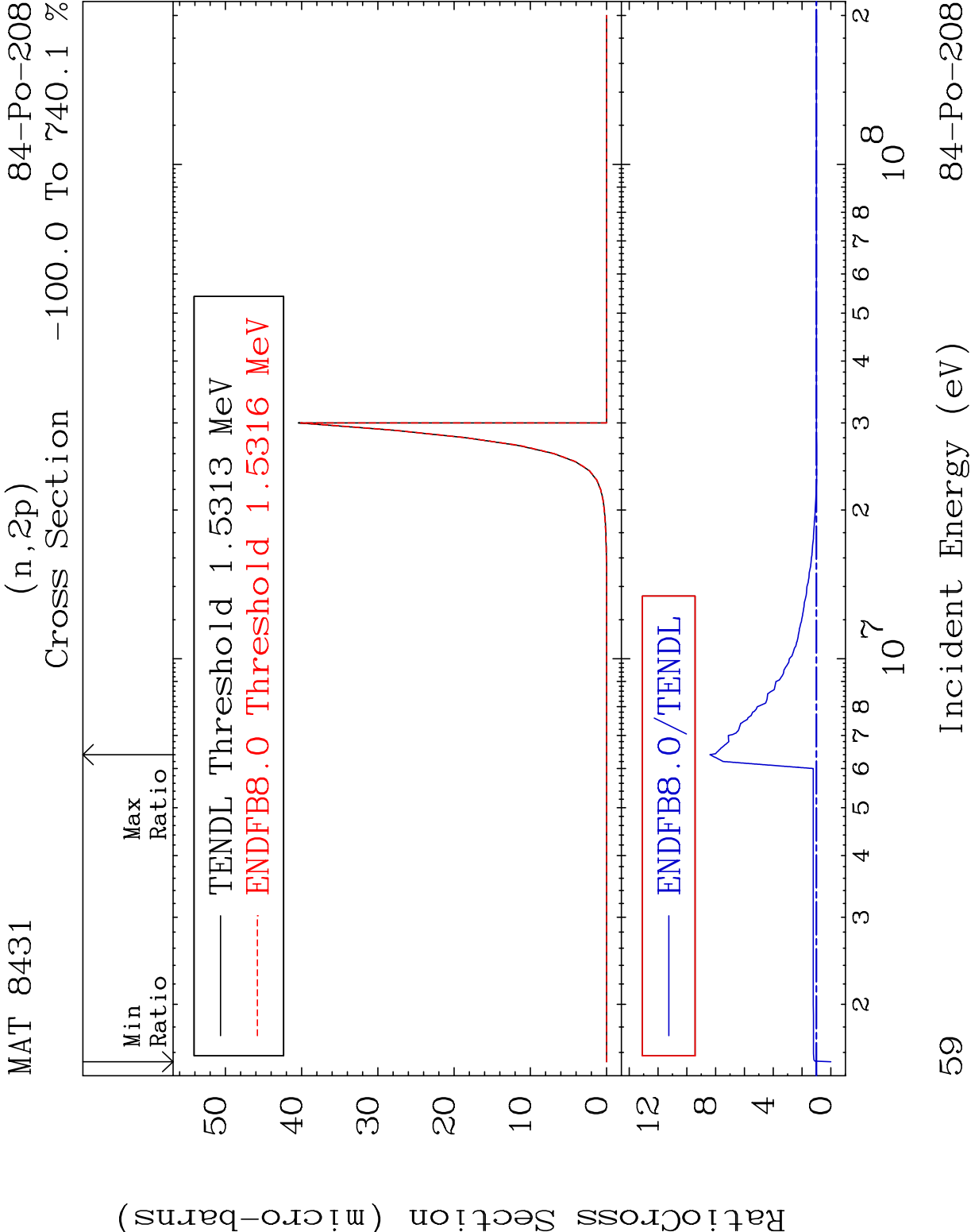
MAT 8431

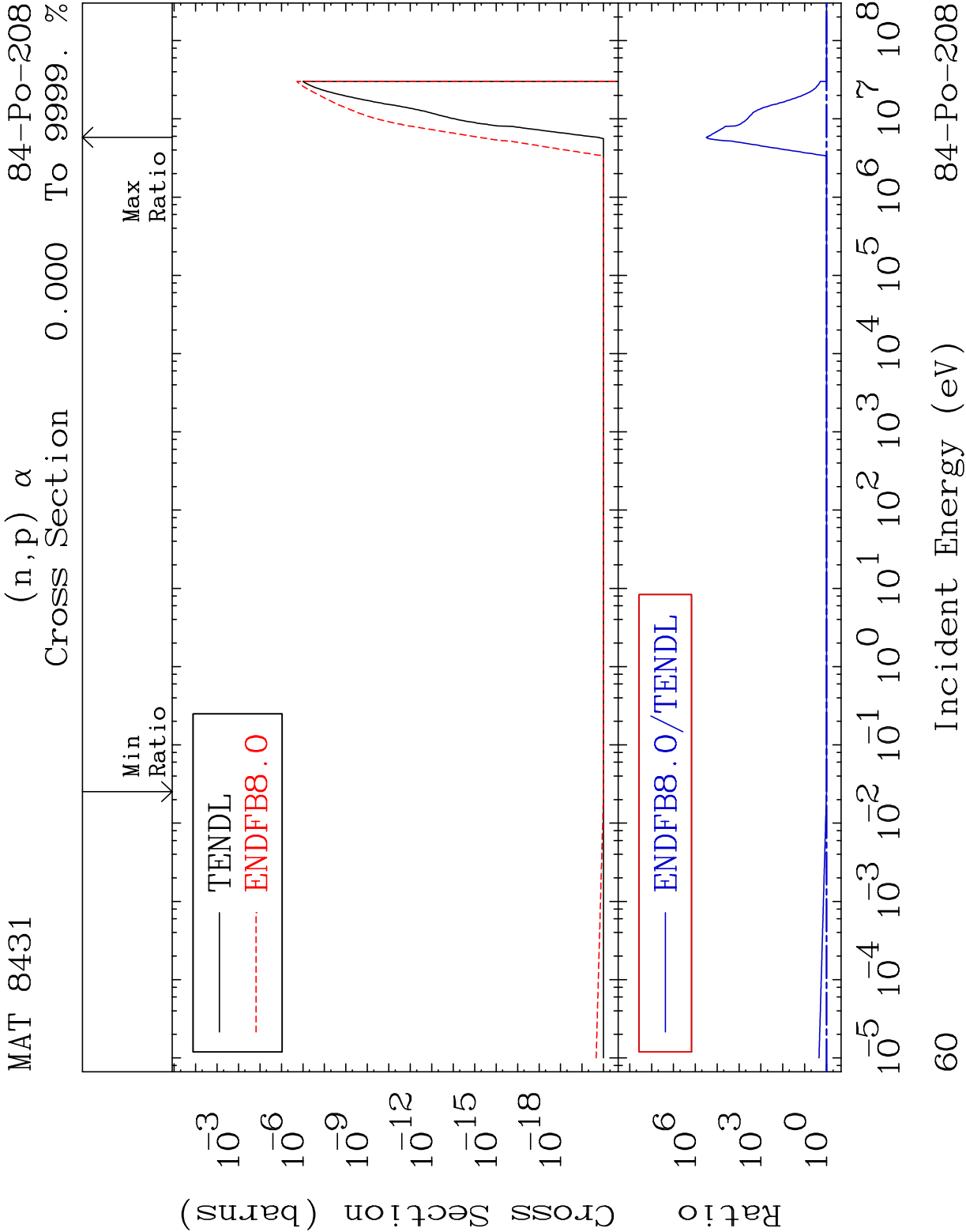
(n,2α)

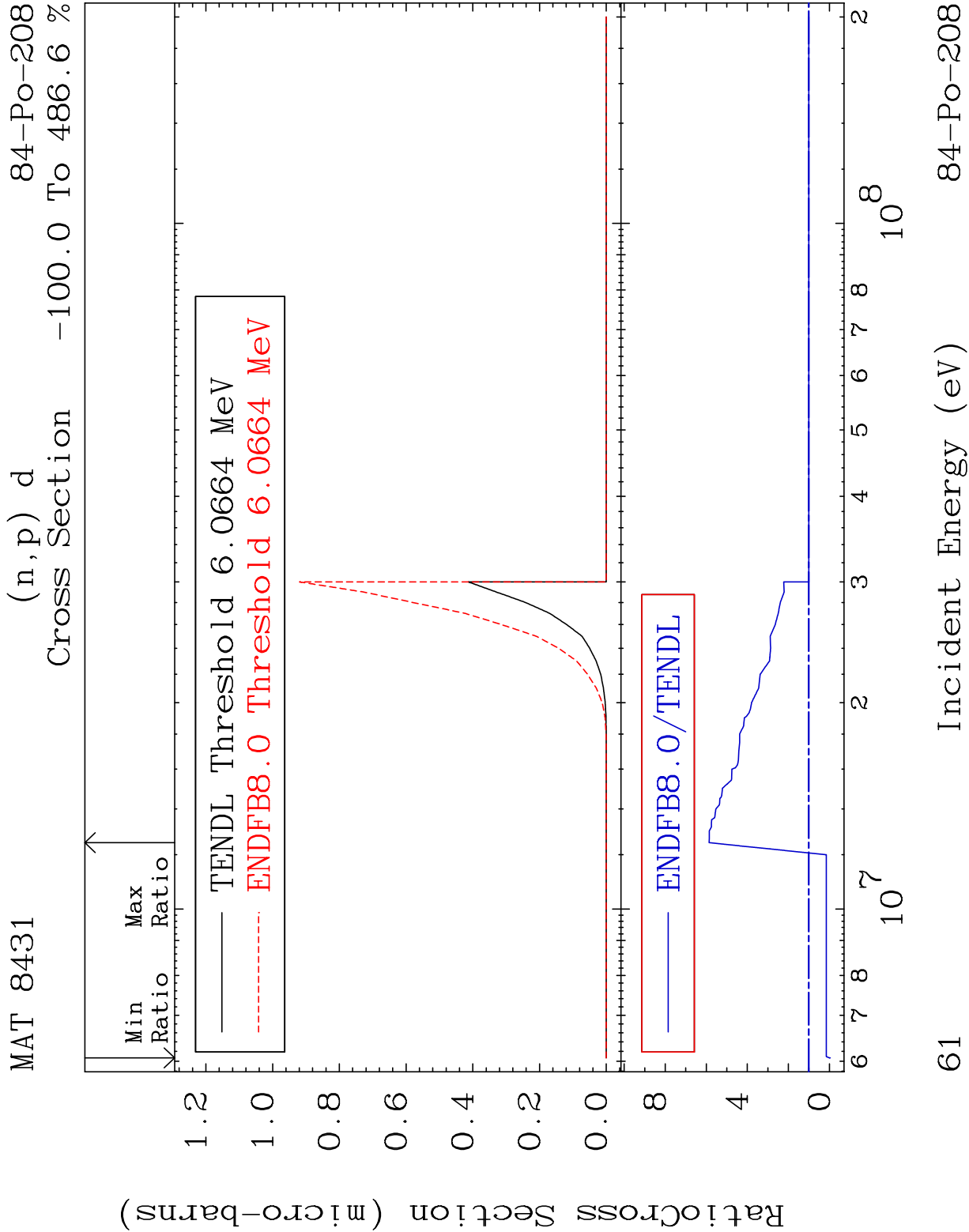
84-Po-208

Cross Section 0.000 To 9999. %







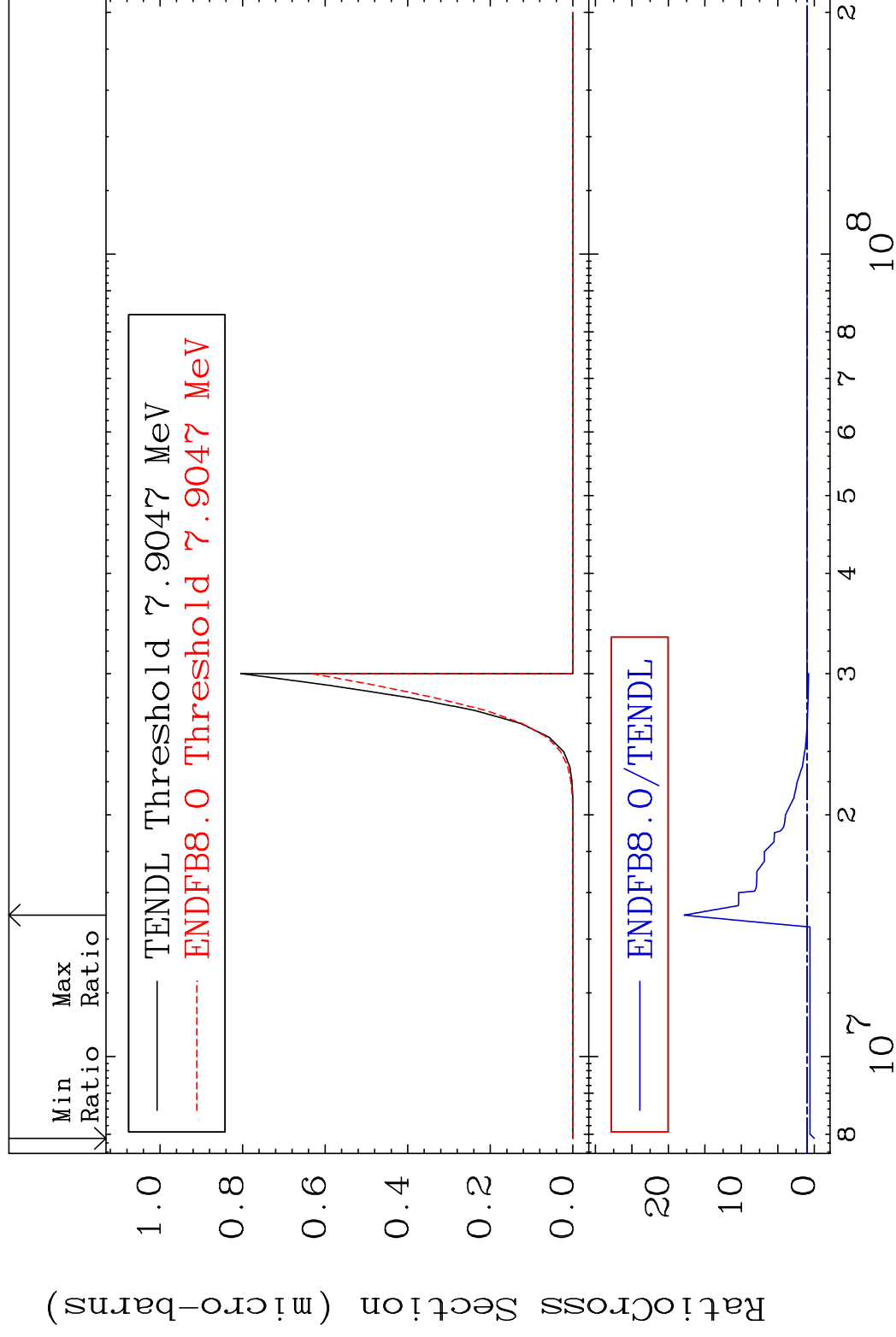


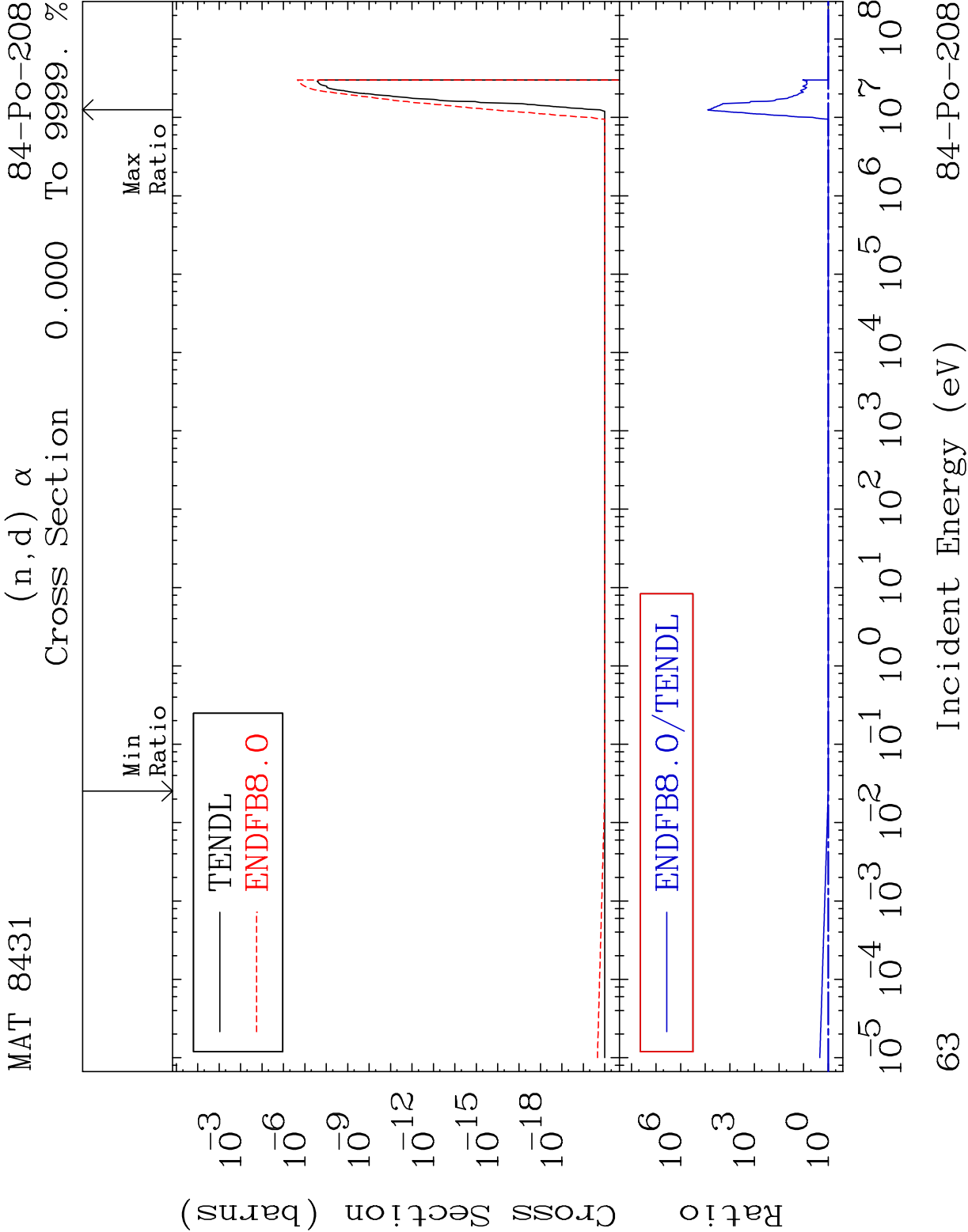
MAT 8431

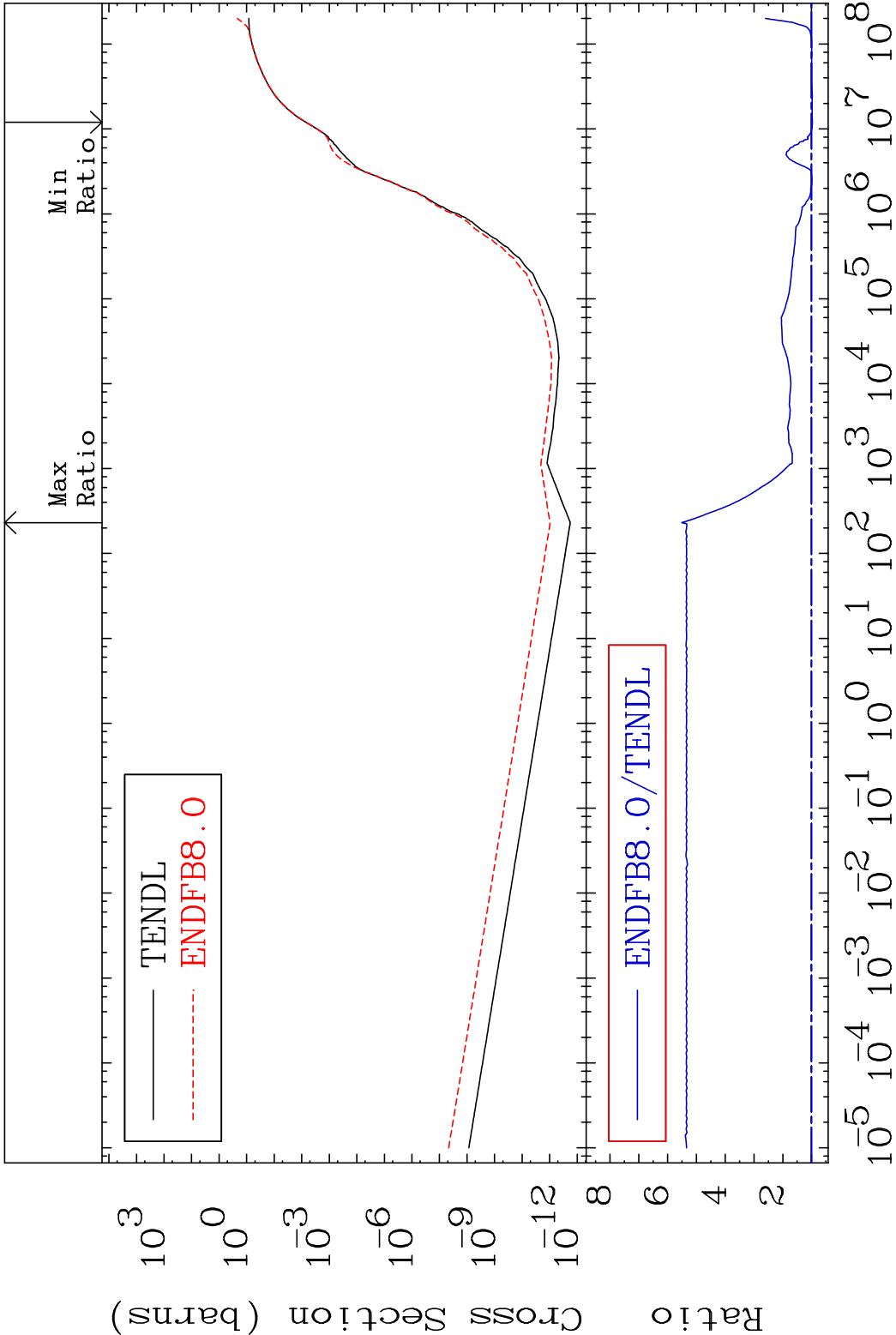
$$(n, p)_t$$

84-PO-208

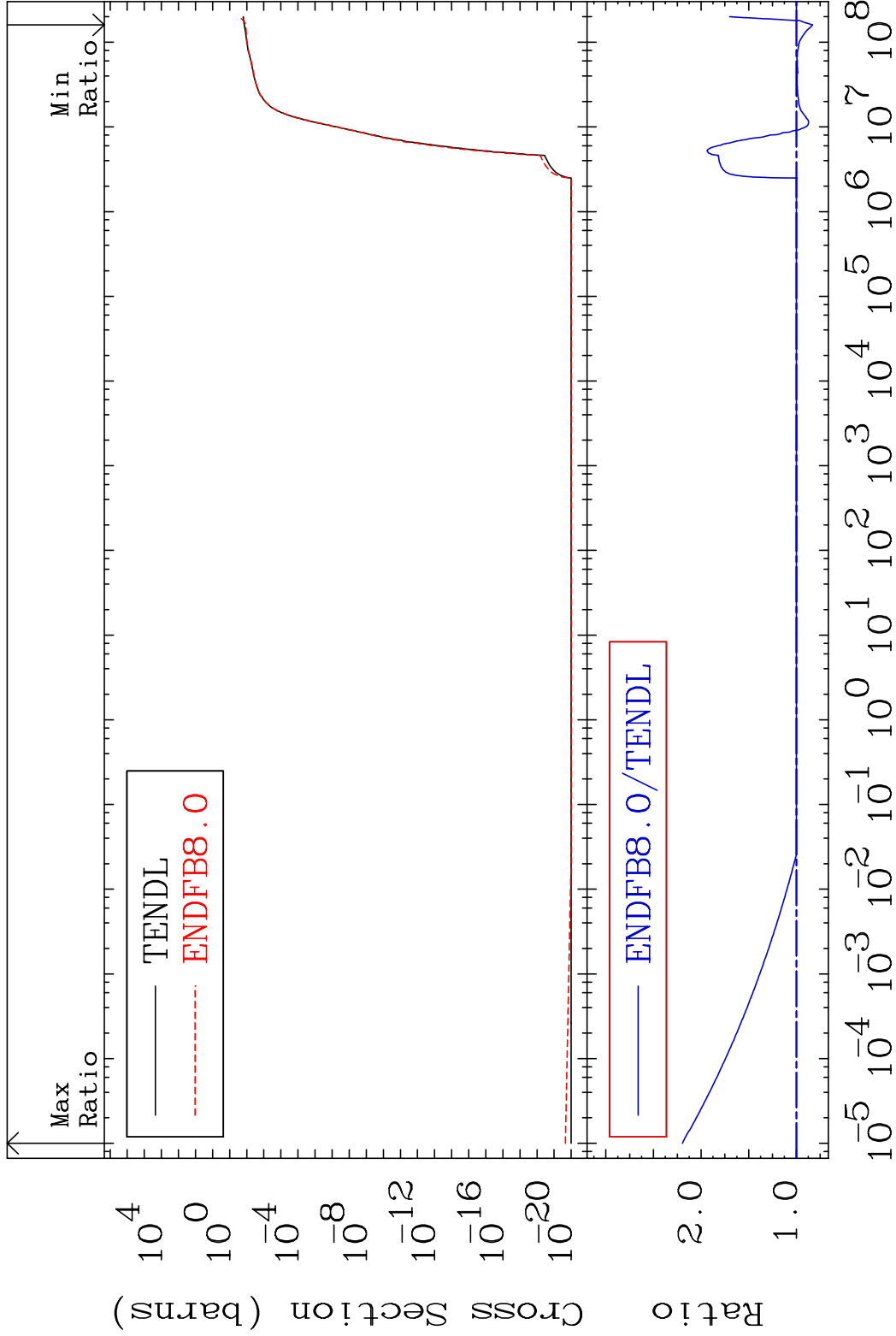
Cross Section -100.0 To 1684. %



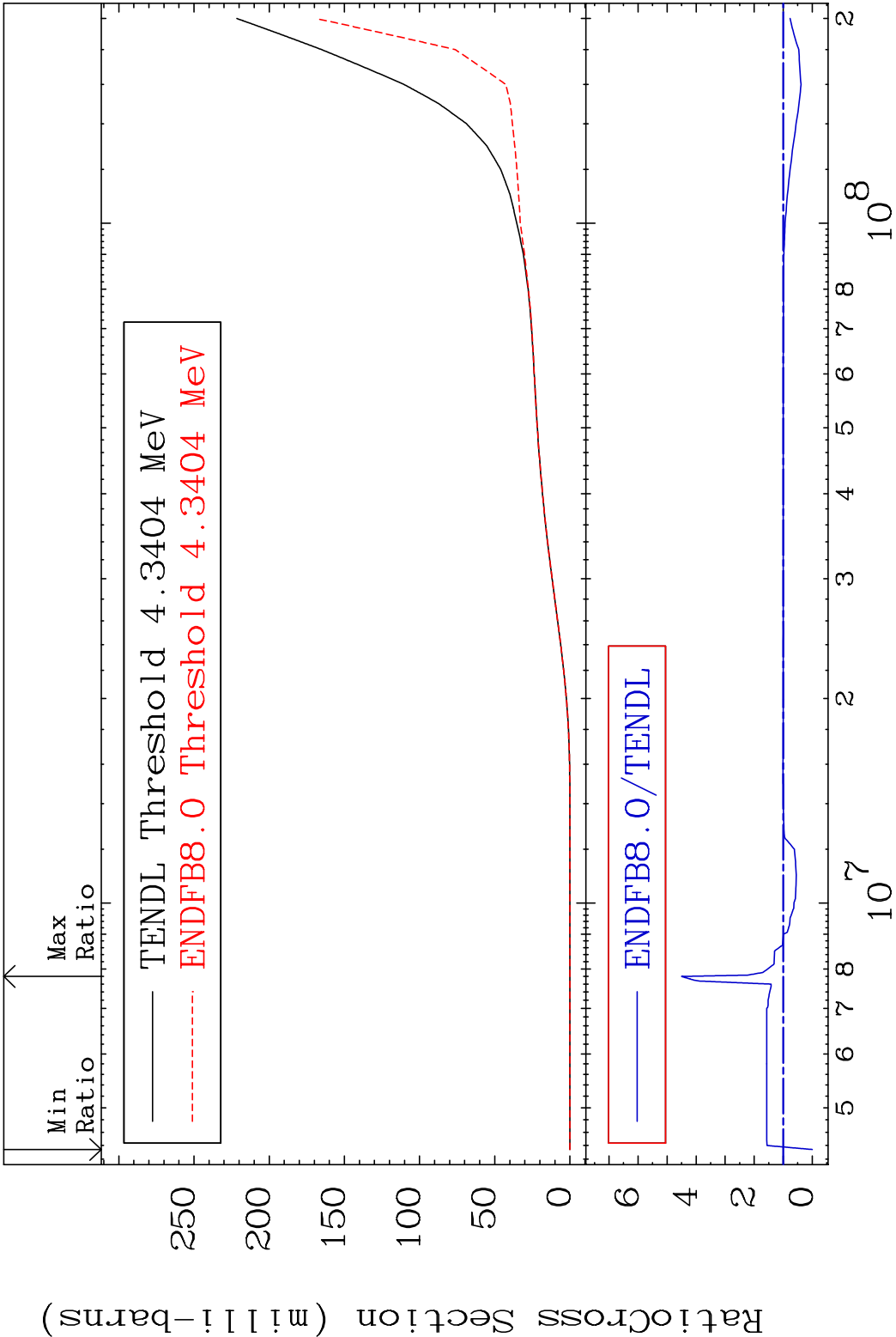




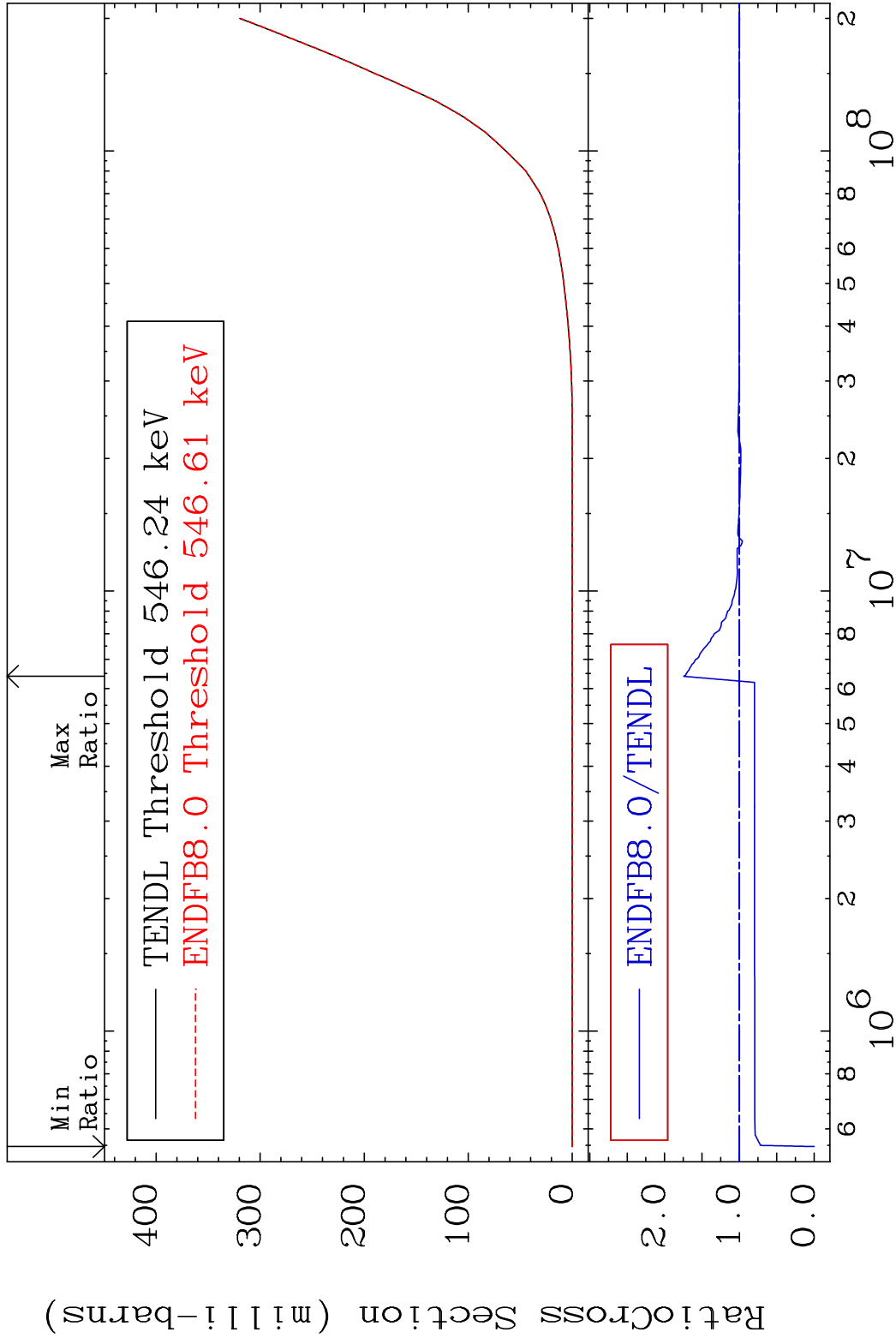
MAT 8431 Deuterium Production 84-Po-208
Cross Section -17.05 To 119.7 %

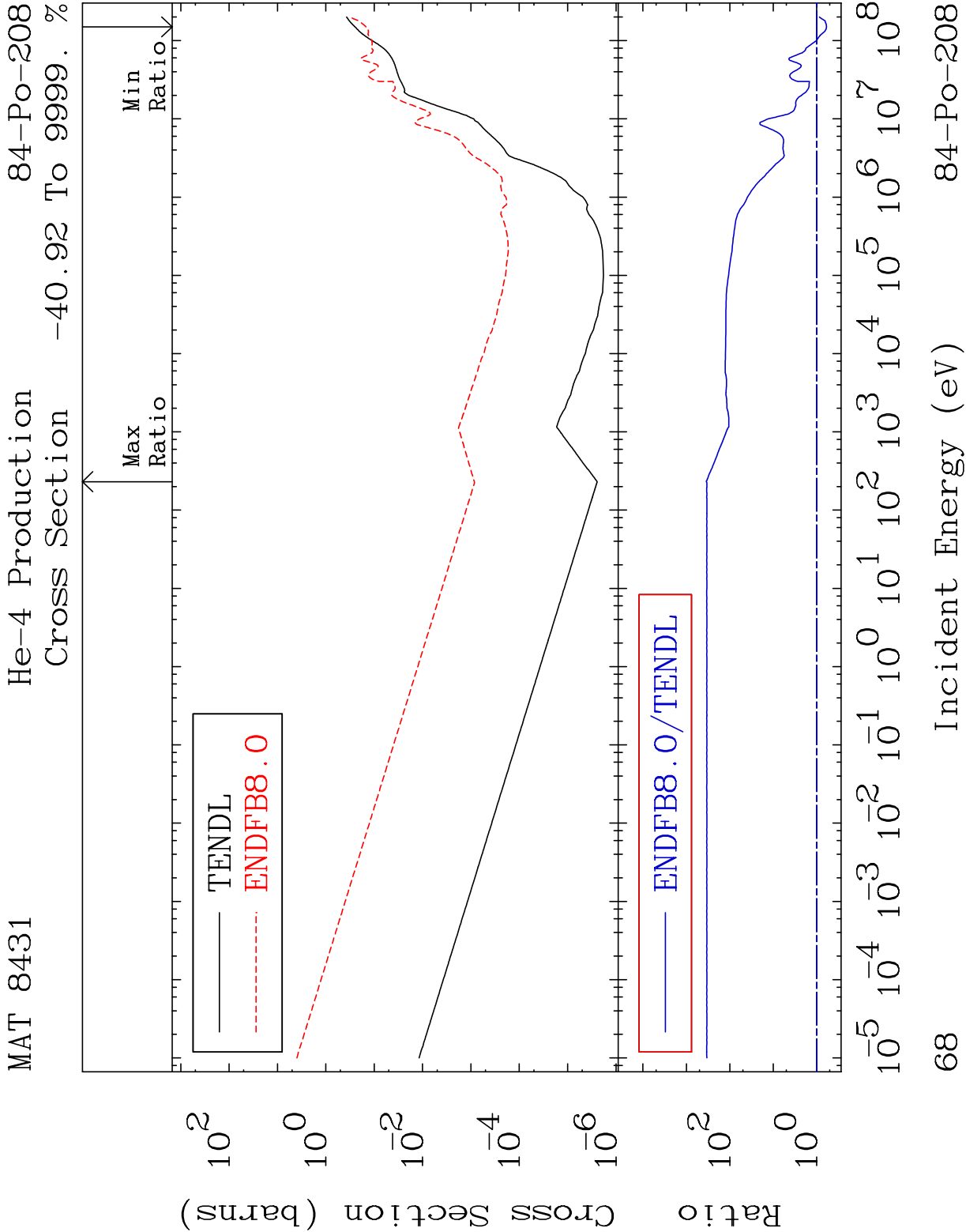


65 Incident Energy (eV) 84-Po-208

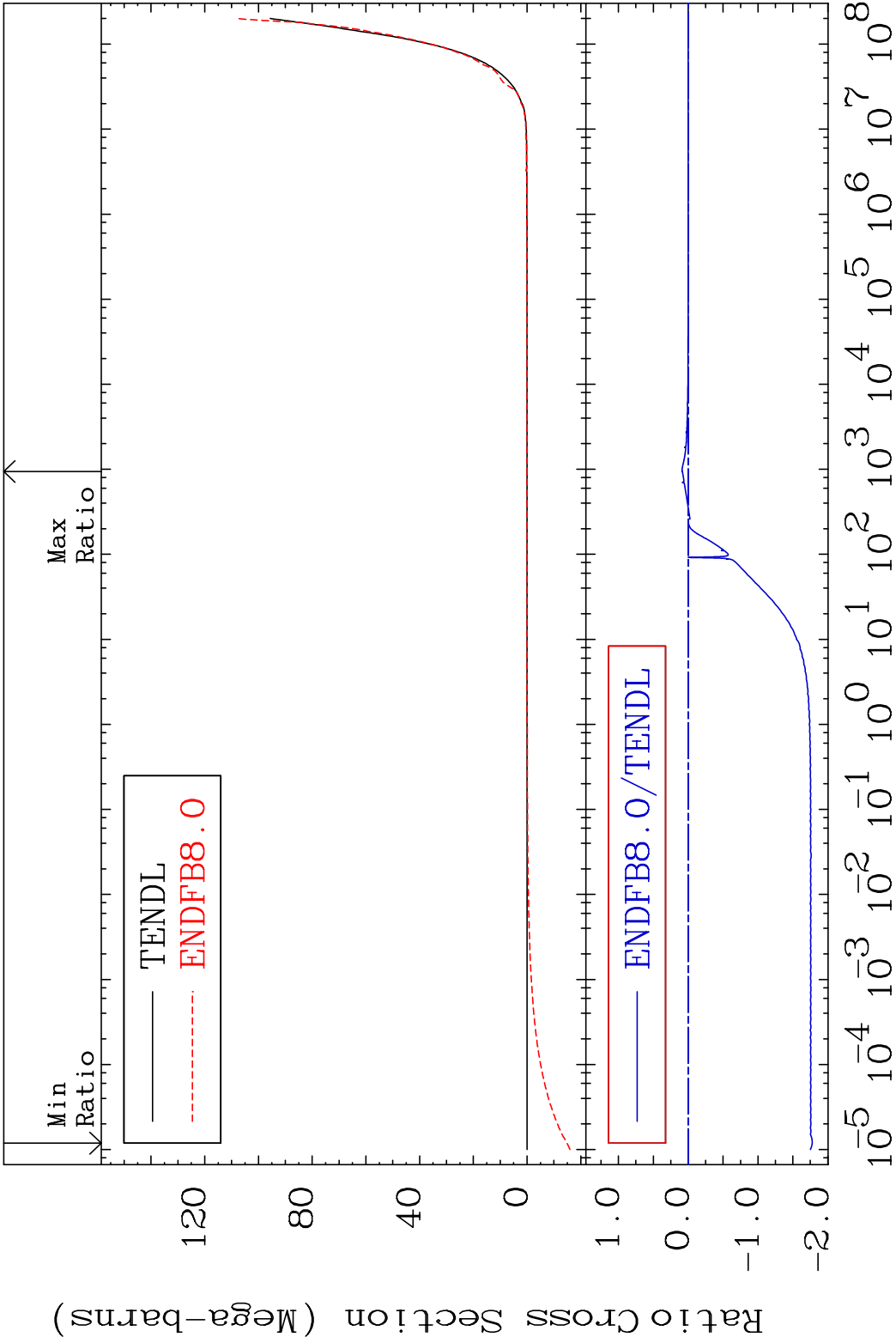


MAT 8431 He-3 Production 84-Po-208
Cross Section -100.0 To 74.46 %

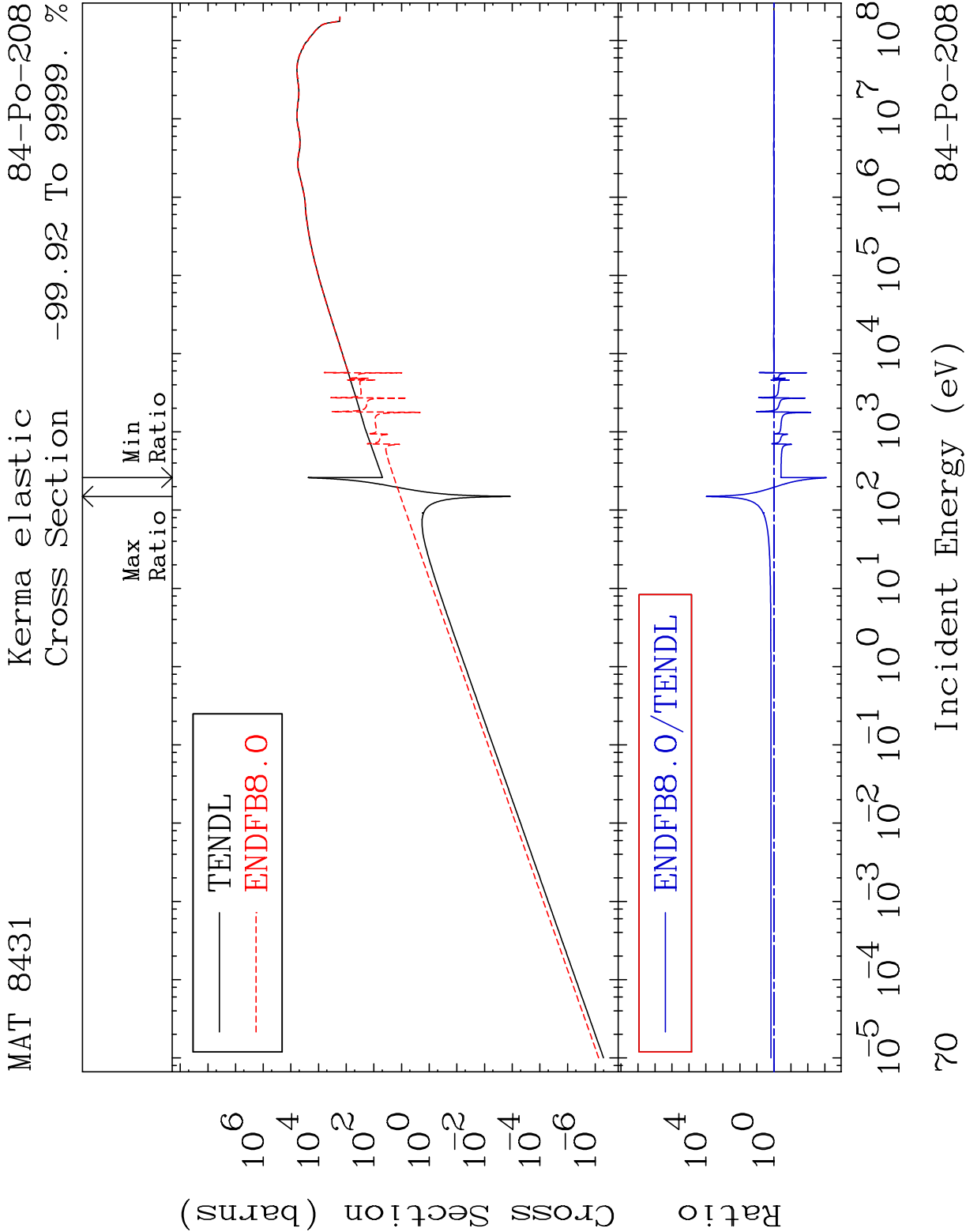


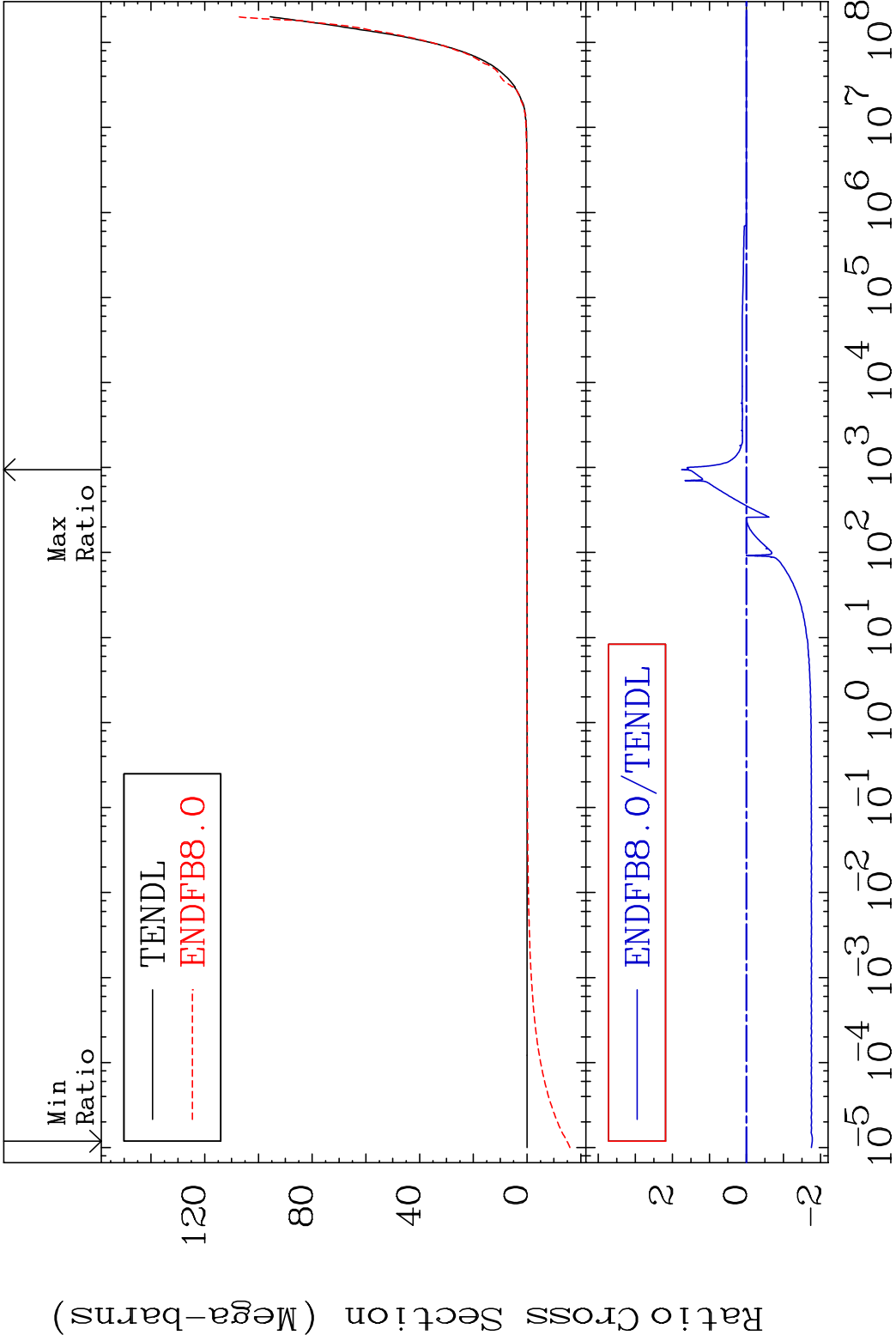


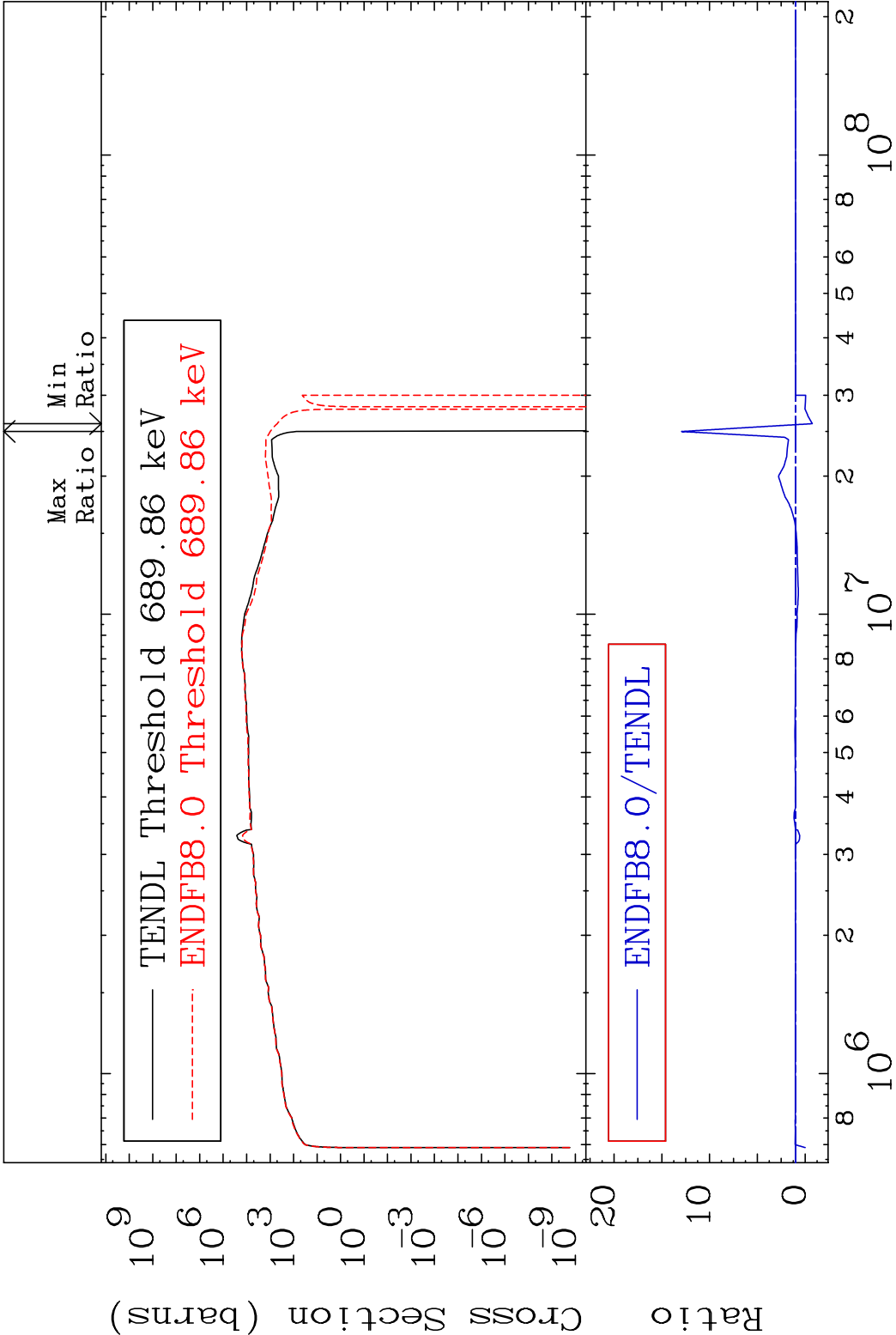
MAT 8431 Kerma total (eV-barns) 84-Po-208
Cross Section -9999. To 9470. %



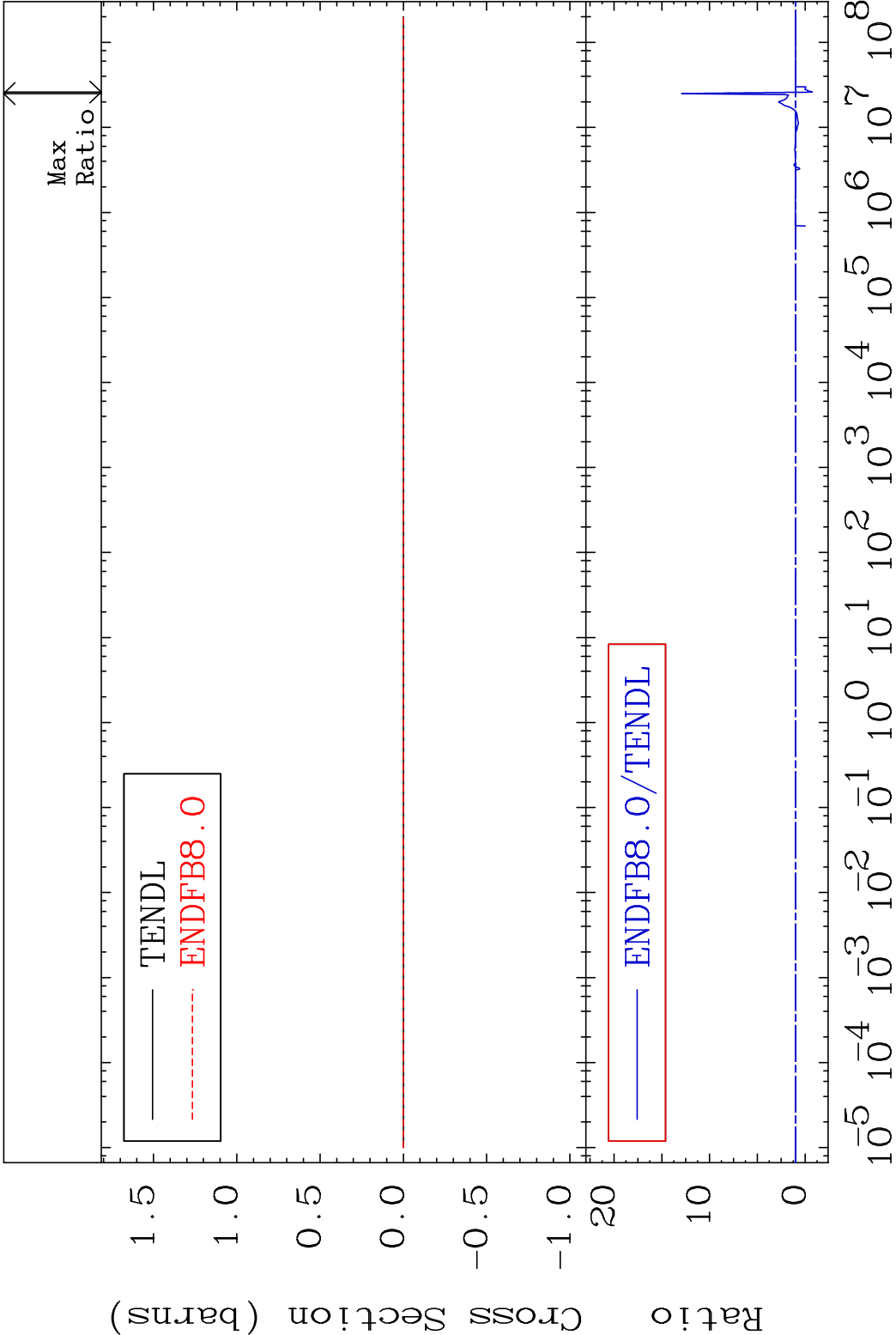
69 Incident Energy (eV) 84-Po-208



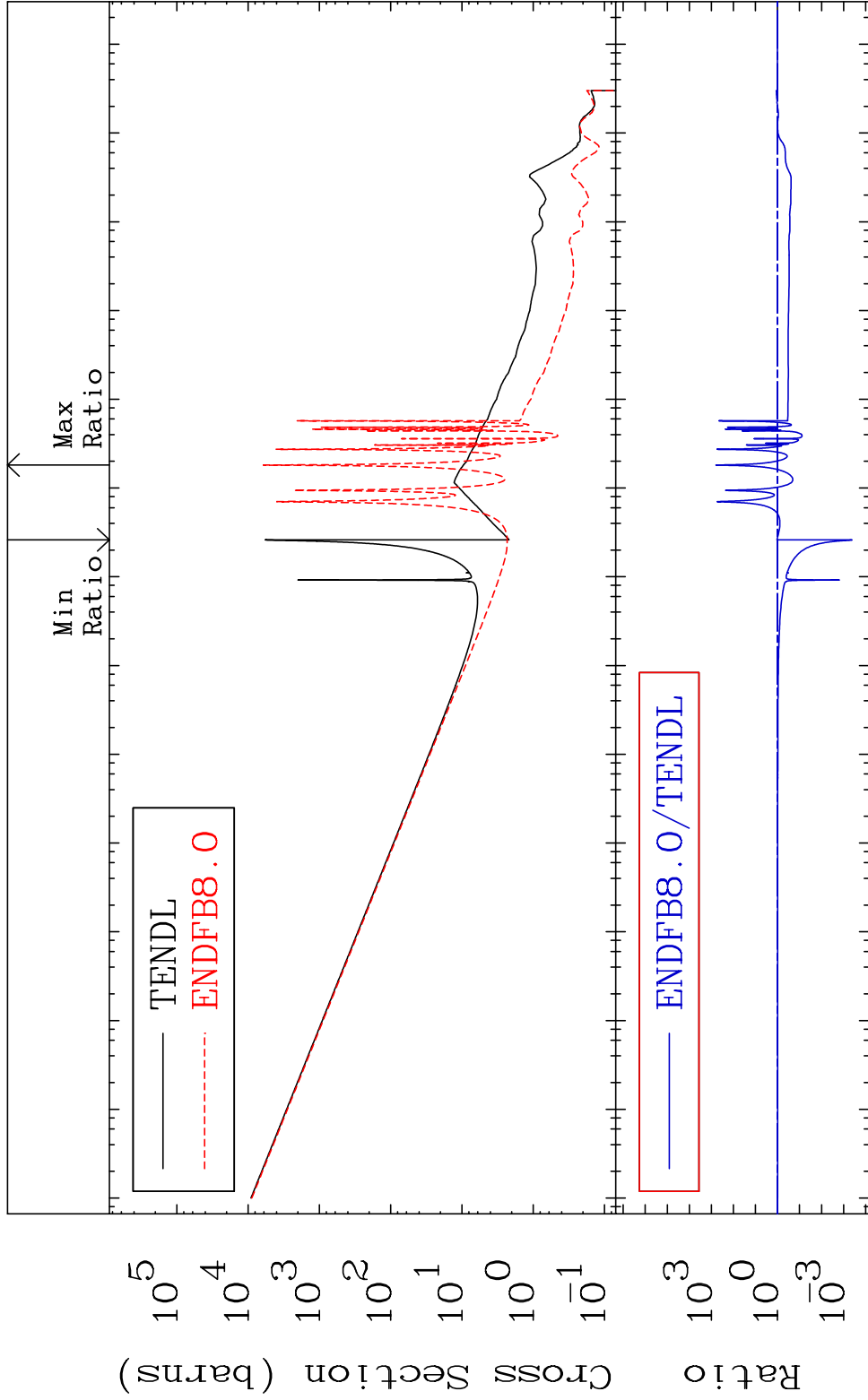




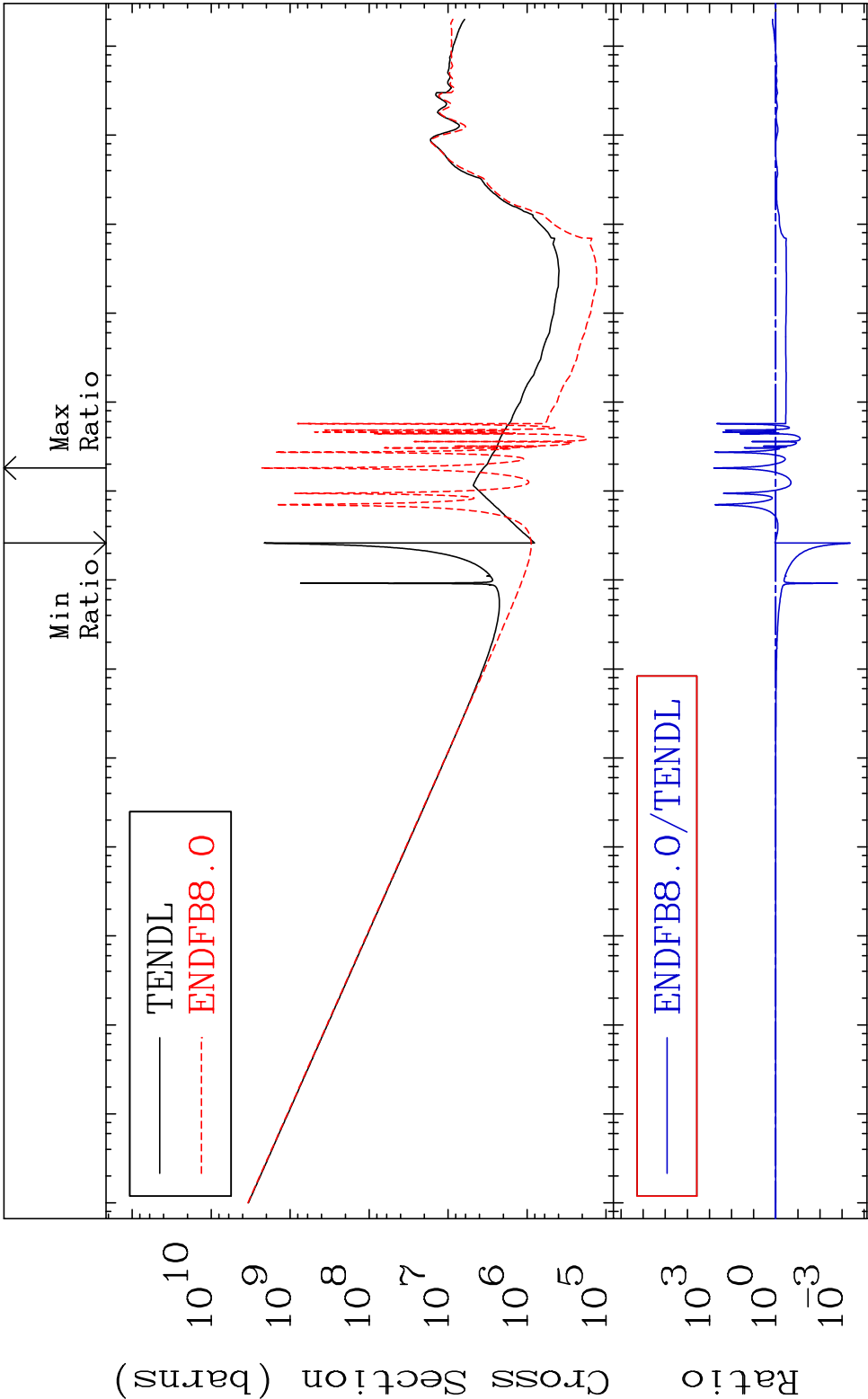
MAT 8431 Kerma fission (mt18 or mt19-20-21-38)84-Po-208
Cross Section -174.1 To 1193. %



73 84-Po-208

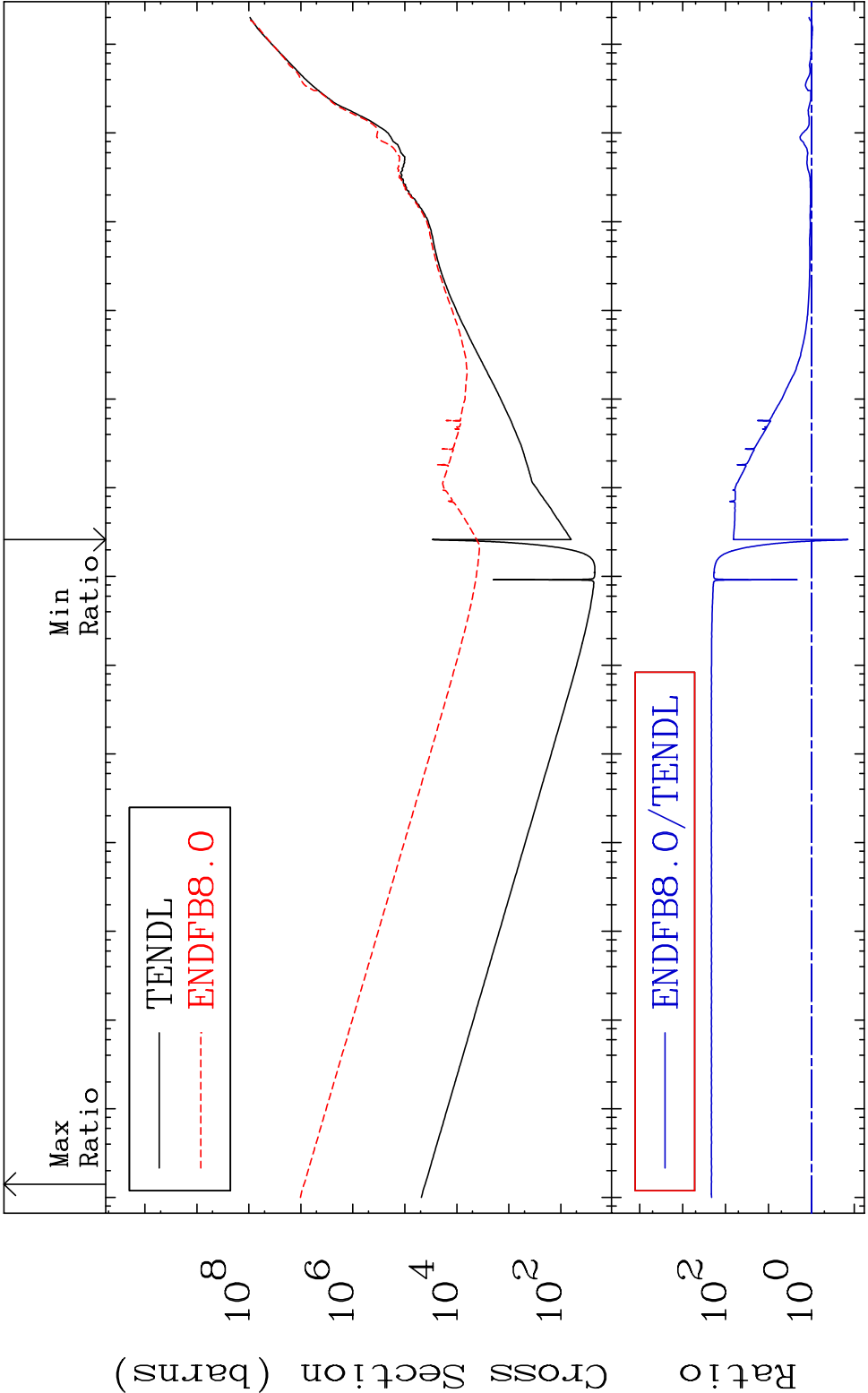


MAT 8431 Total photon (eV-barns) 84-Po-208
Cross Section -99.96 To 9999. %



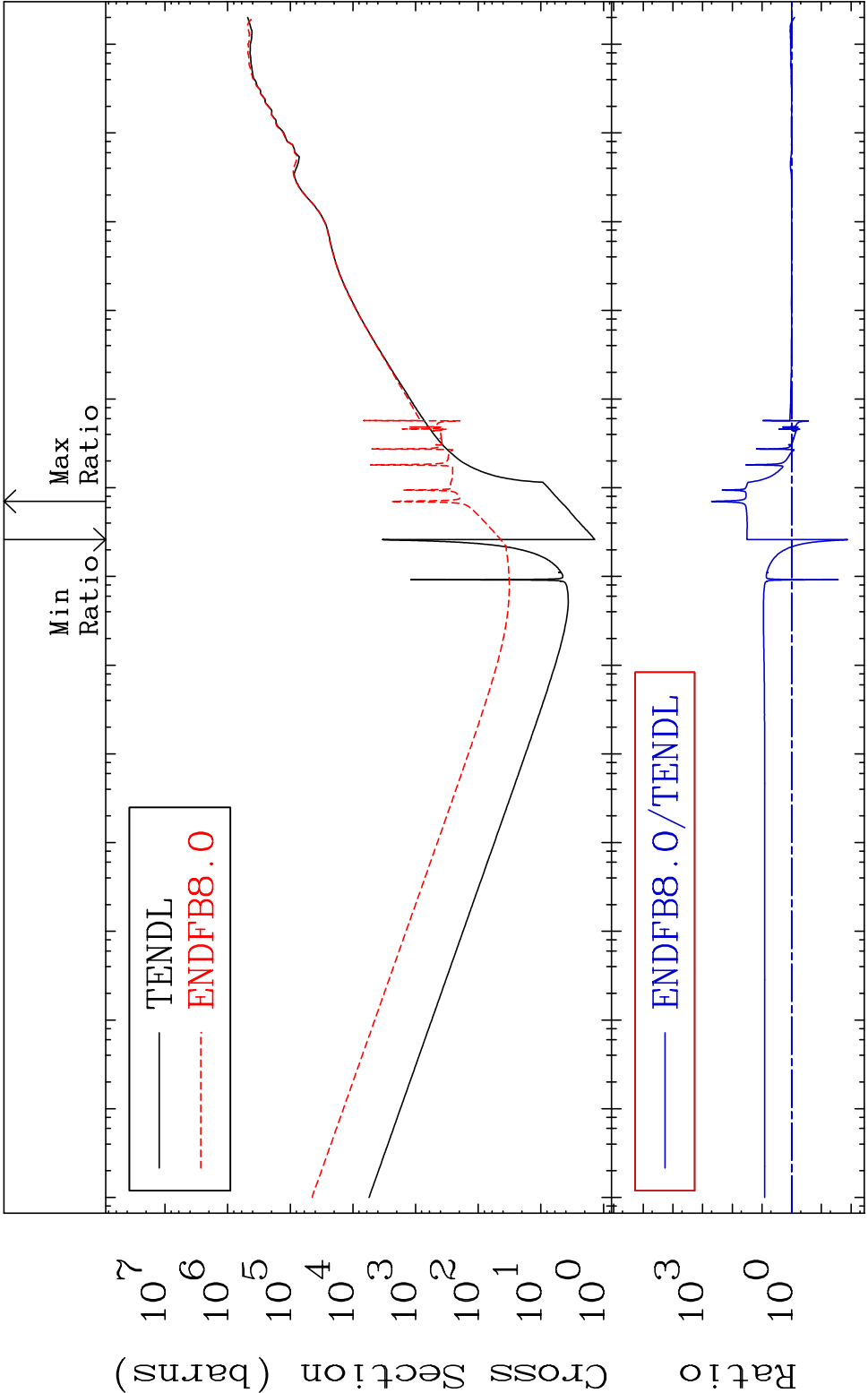
75 Incident Energy (eV) 84-Po-208

MAT 8431 Total kinematic kerma (high limit) 84-Po-208
Cross Section -85.79 To 9999. %



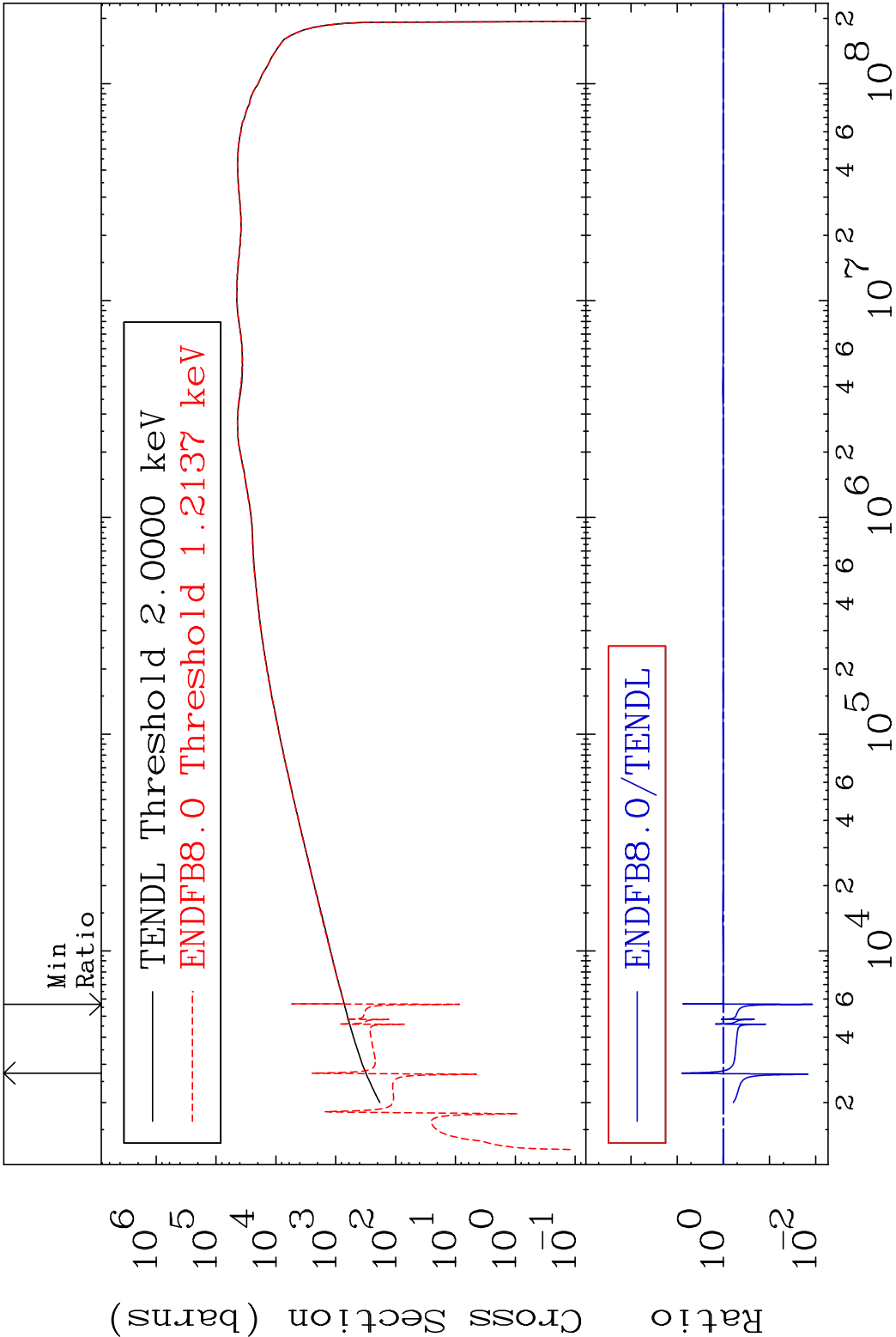
76 Incident Energy (eV) 84-Po-208

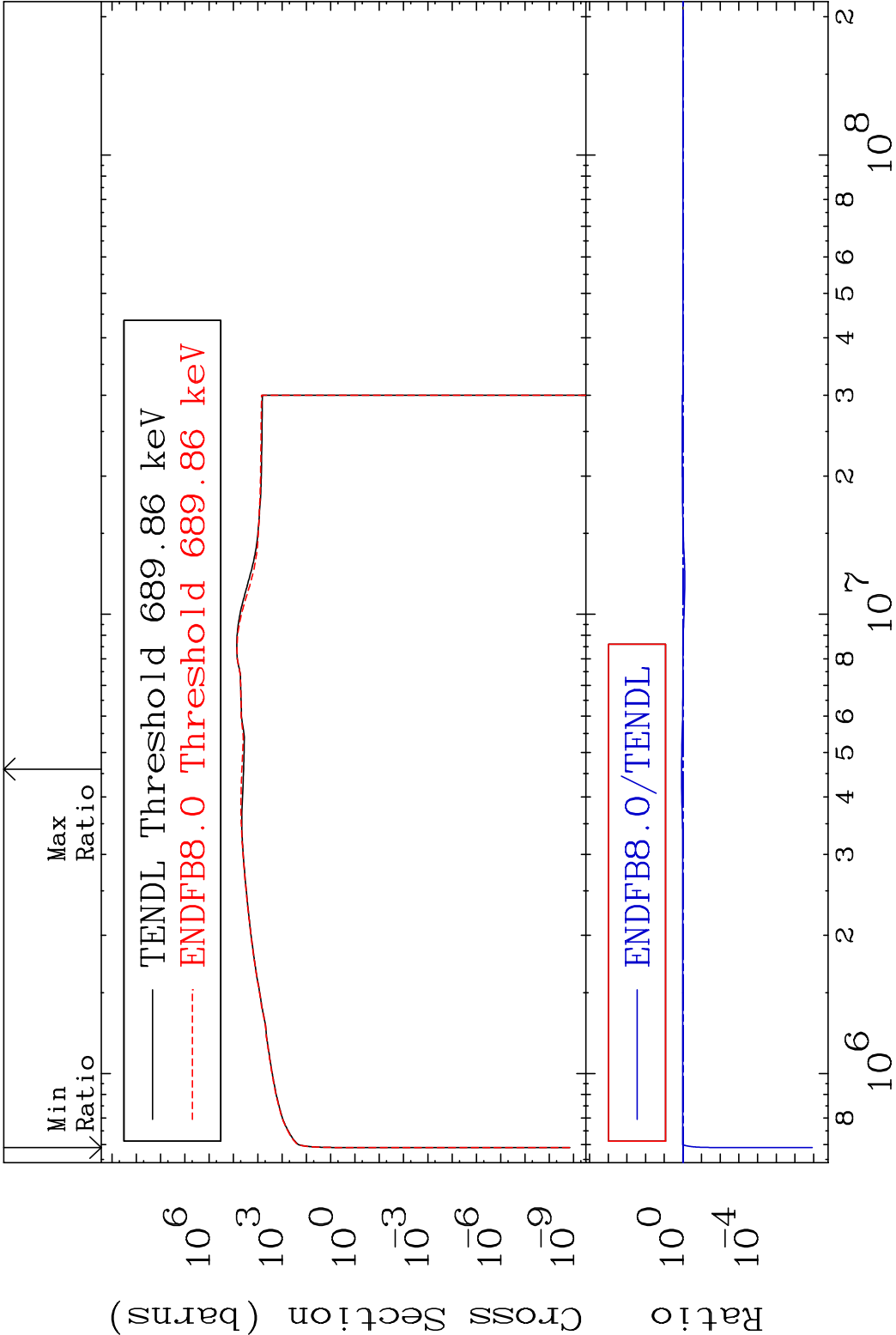
MAT 8431 Dpa total (eV-barns) 84-Po-208
Cross Section -98.71 To 9999. %



77 Incident Energy (eV) 84-Po-208

MAT 8431	Dpa elastic (mt2)	84-Po-208
	Cross Section	-98.81 To 703.3 %





MAT 8431 Dpa disappearance (mt102 -120) 84-Po-208
Cross Section -98.71 To 9999. %

