

Program Complot
(Version 2021-1)

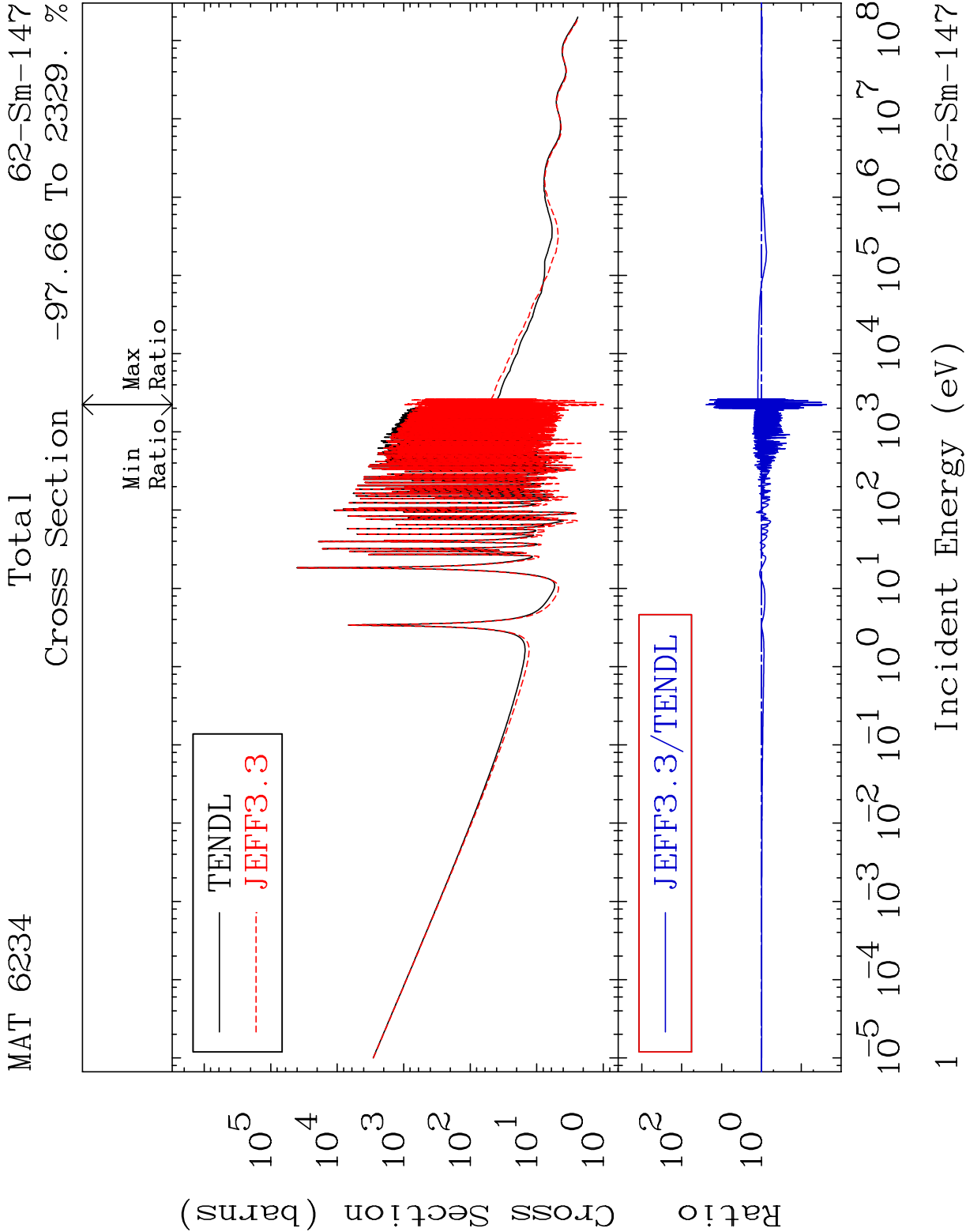
by

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

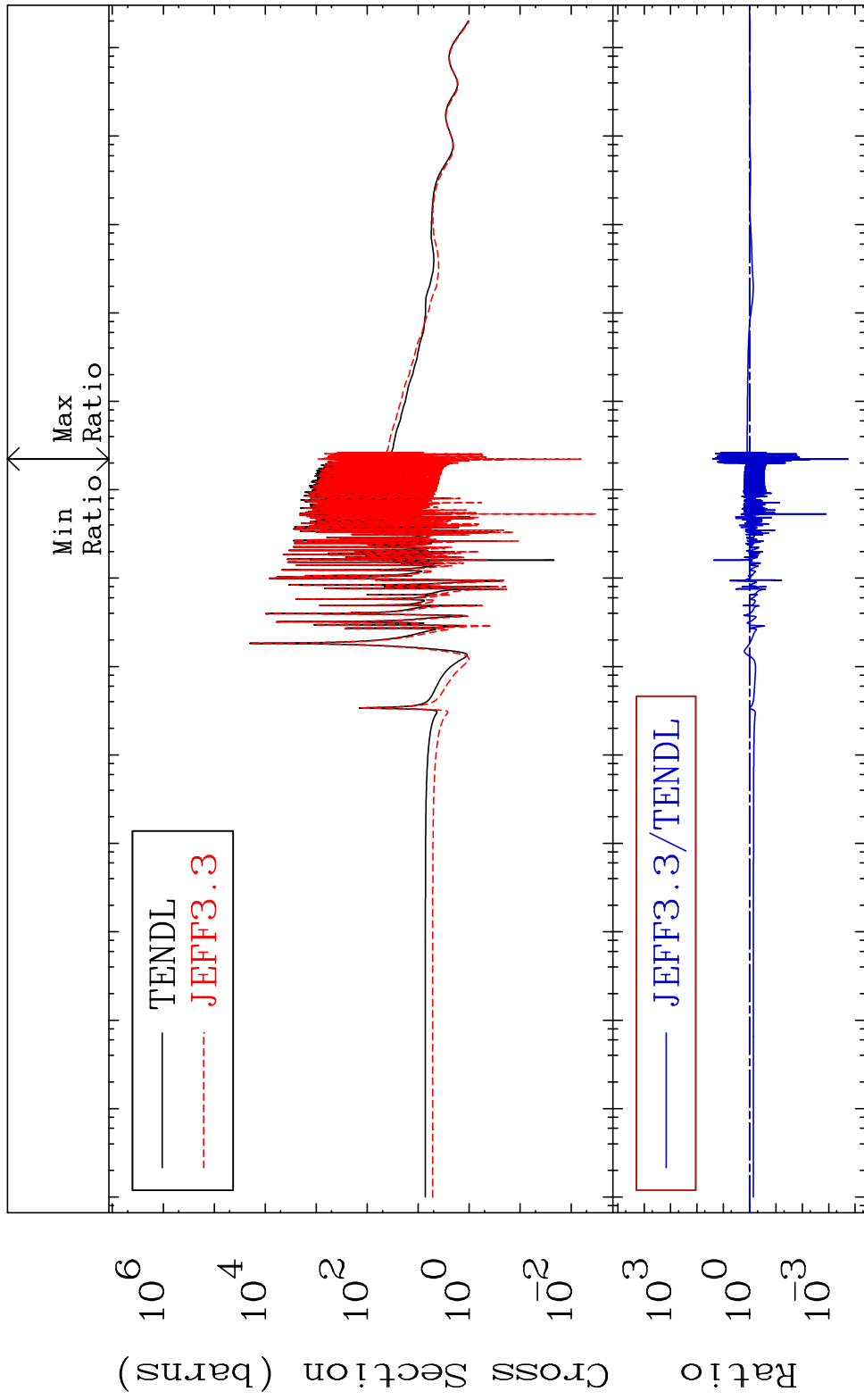


MAT 6234

Elastic

62-Sm-147

Cross Section -99.98 To 2499. %



2

Incident Energy (eV)

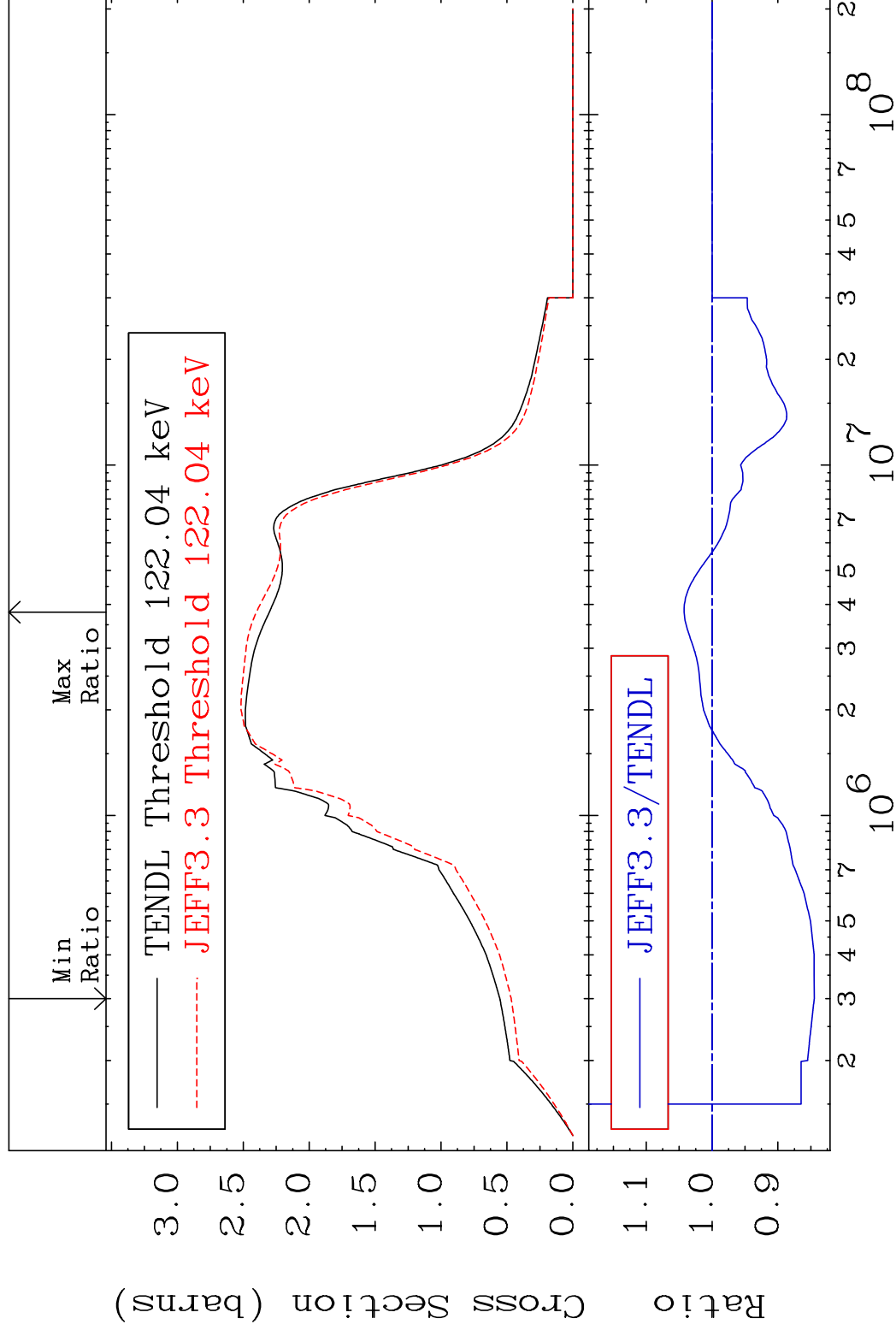
62-Sm-147

MAT 6234

Inelastic

62-Sm-147

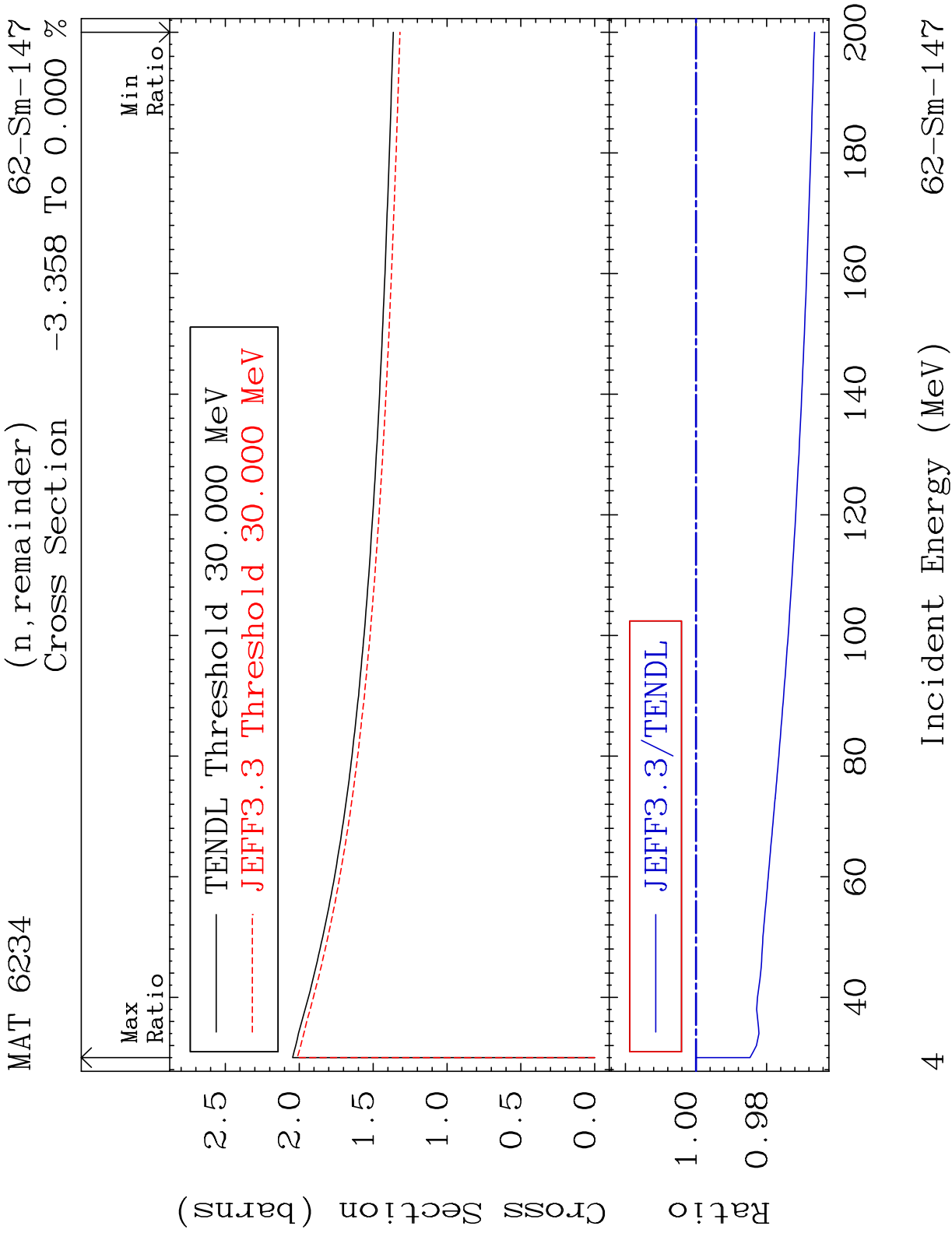
Cross Section -15.52 To 4.258 %

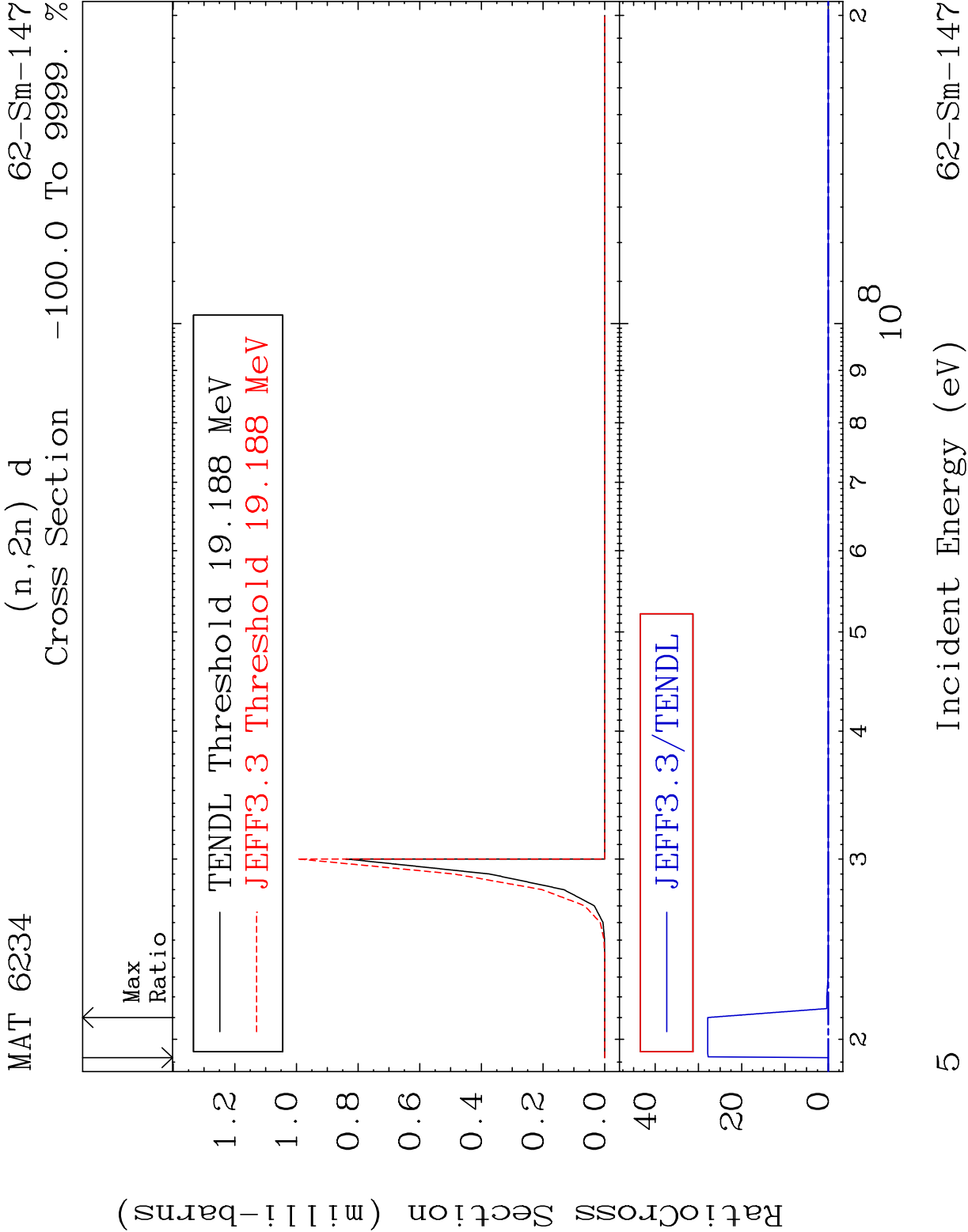


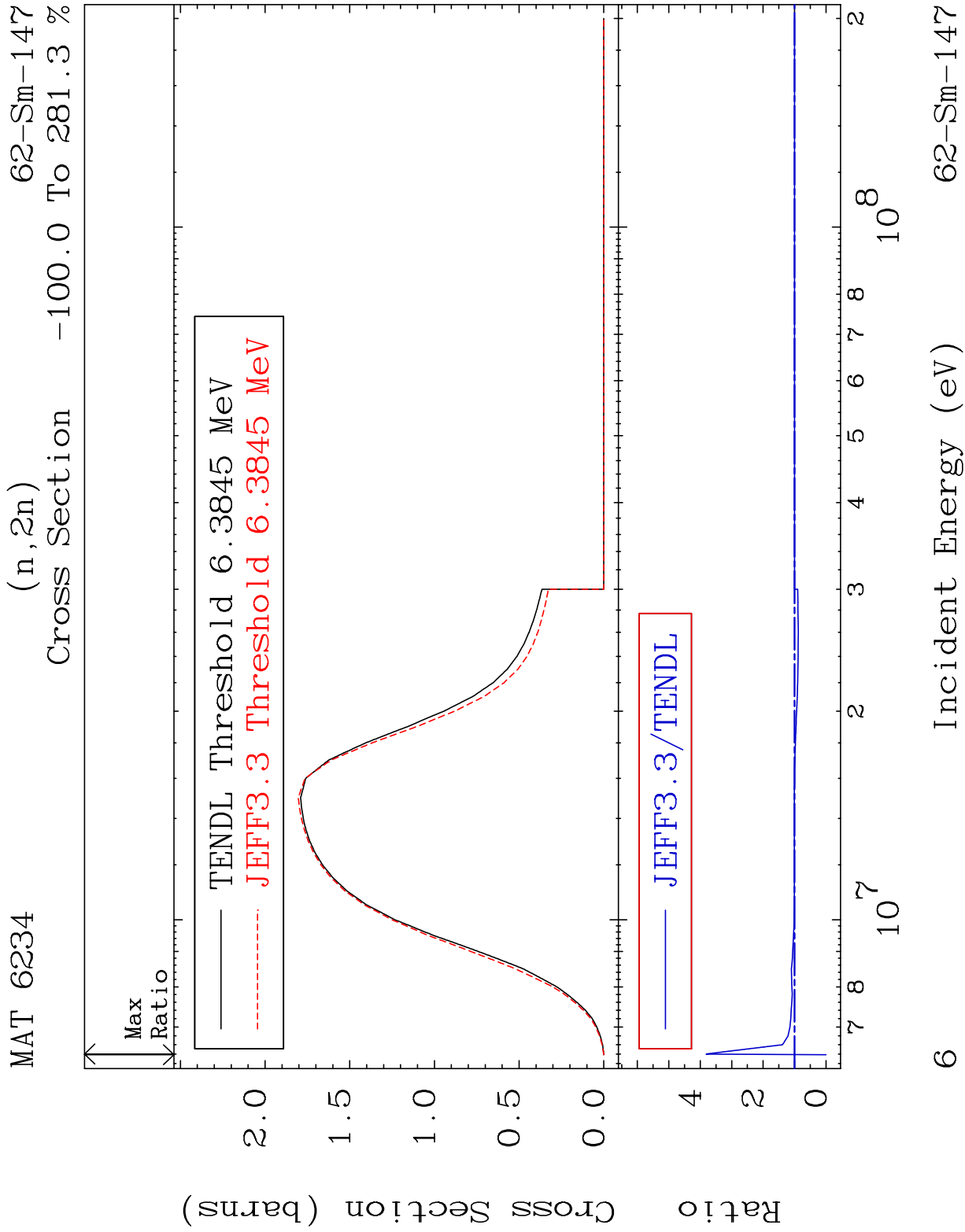
3

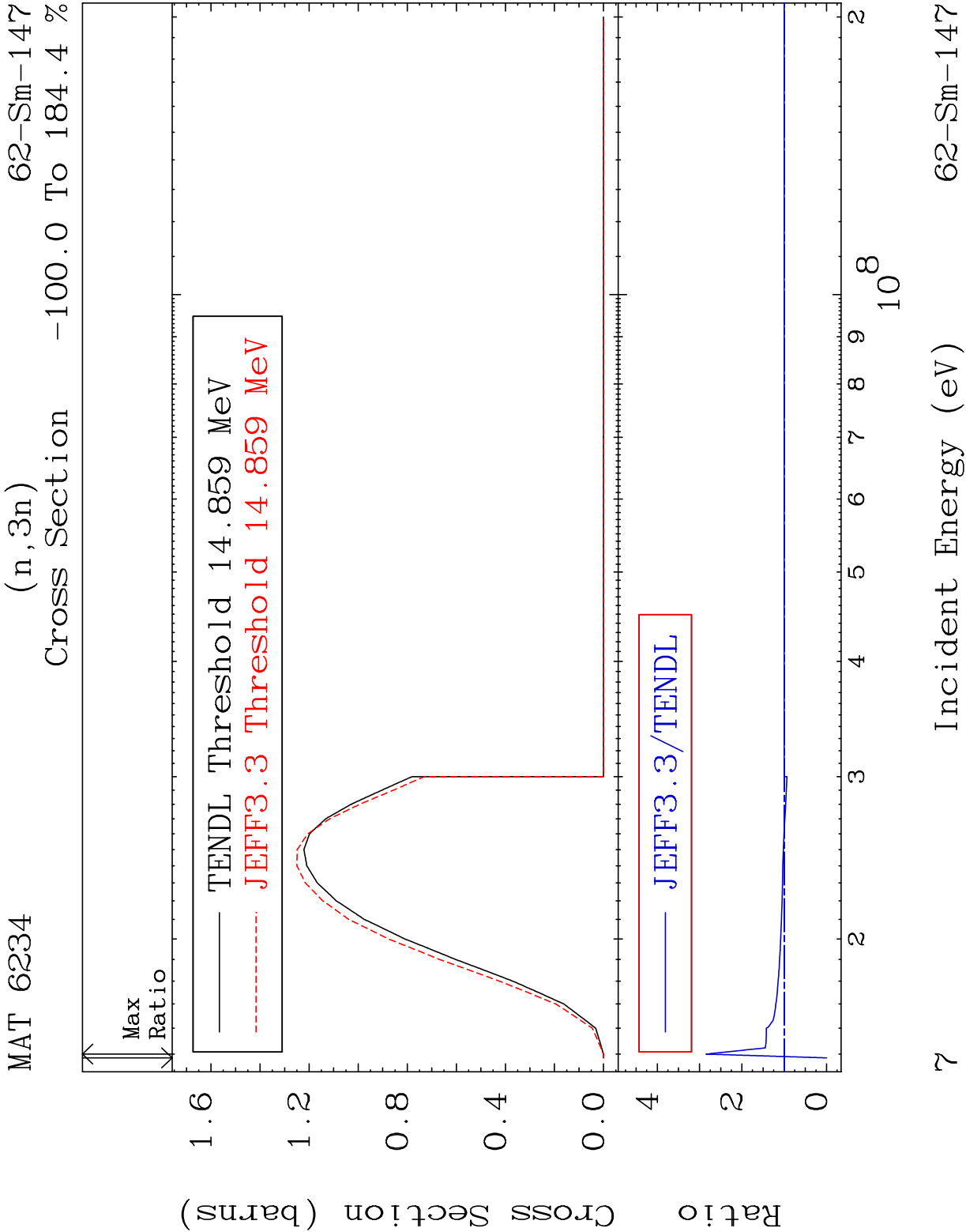
Incident Energy (eV)

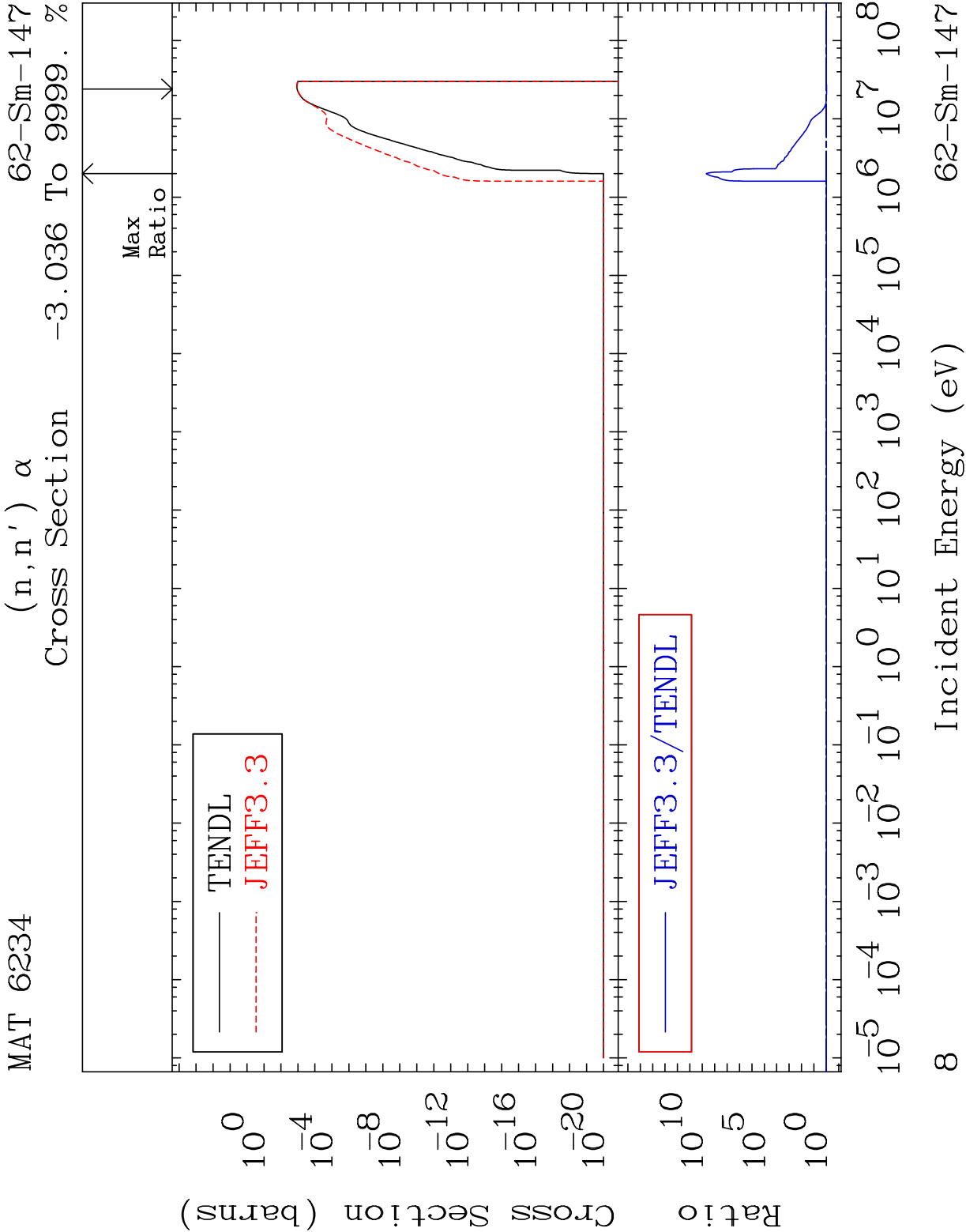
62-Sm-147

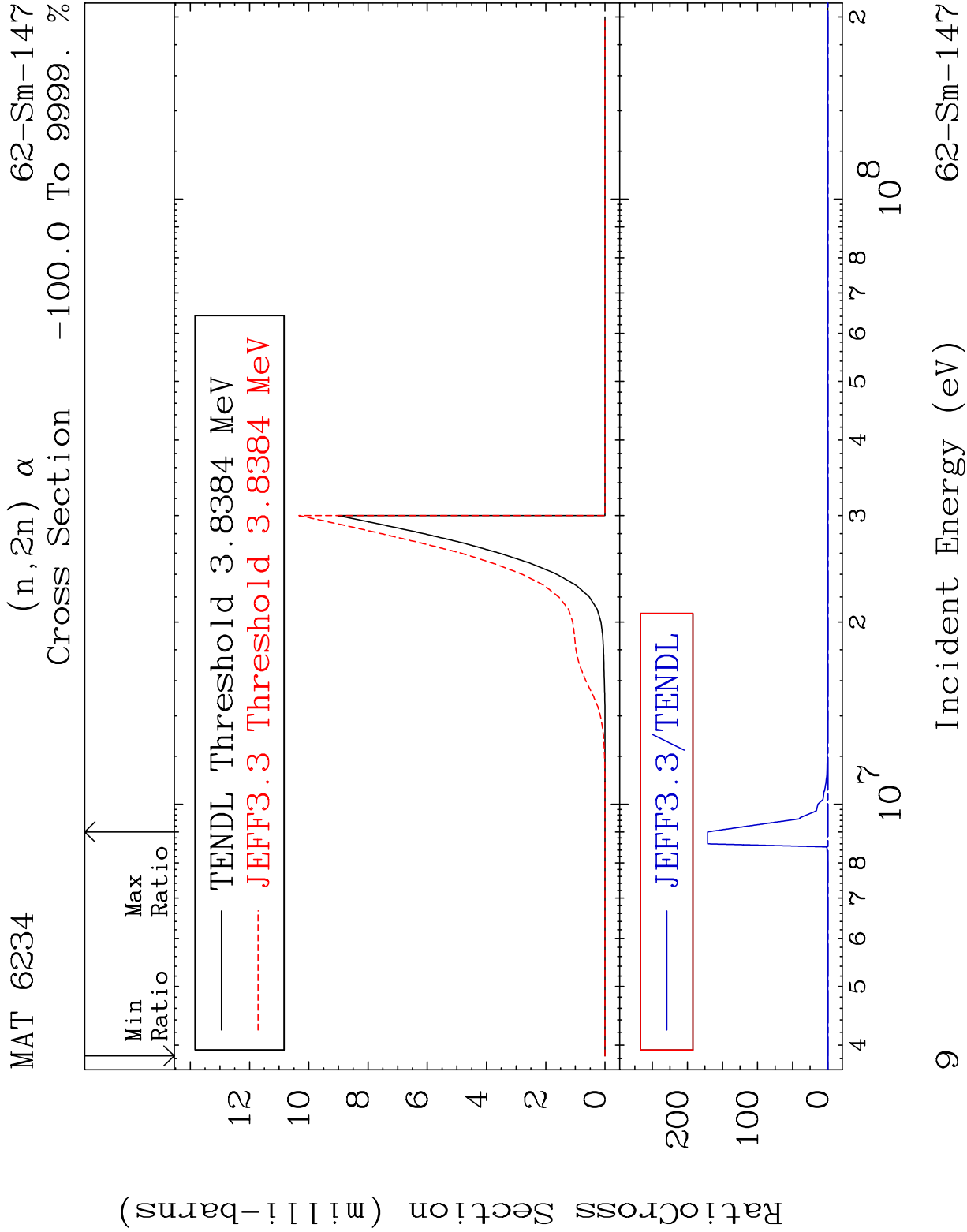


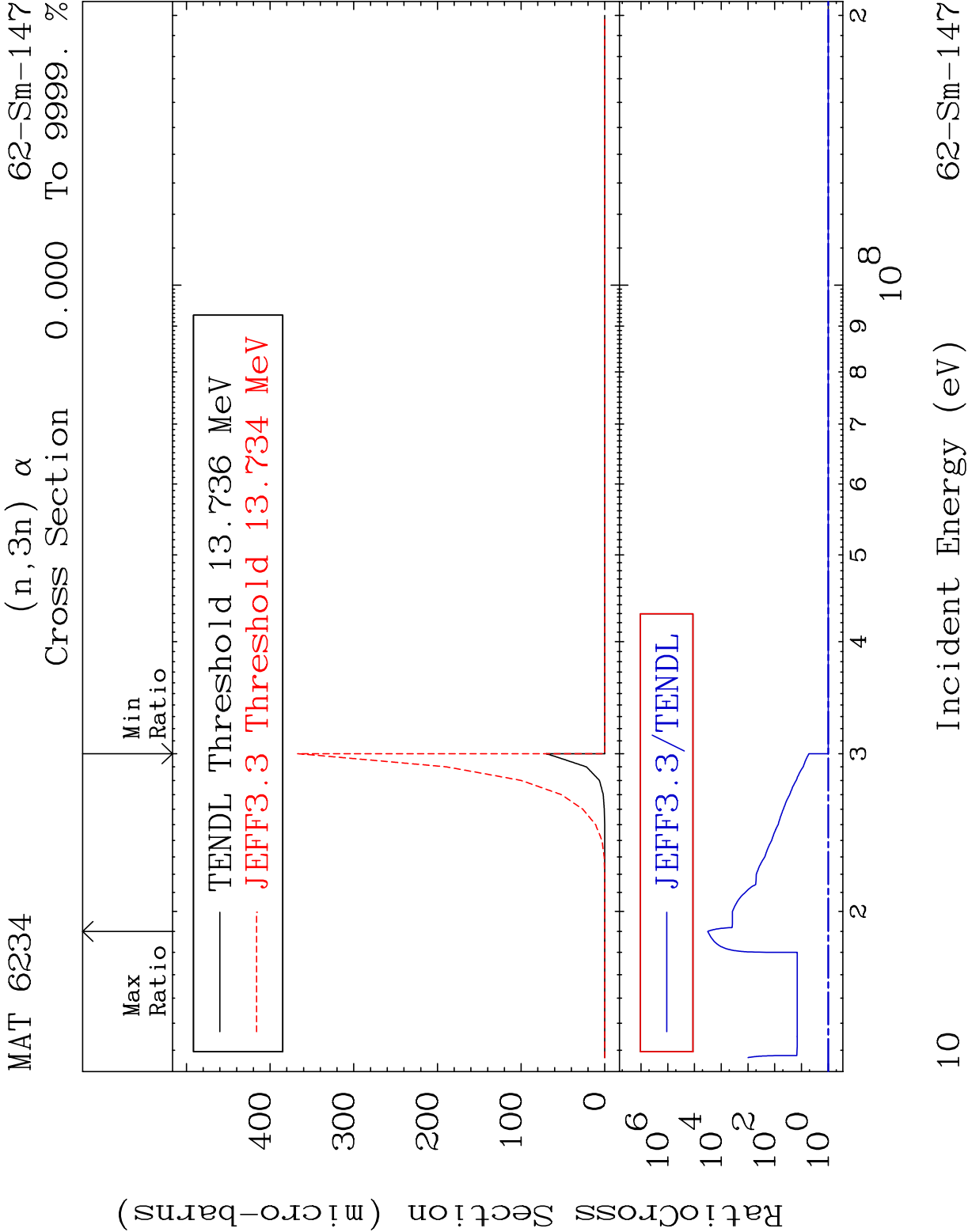


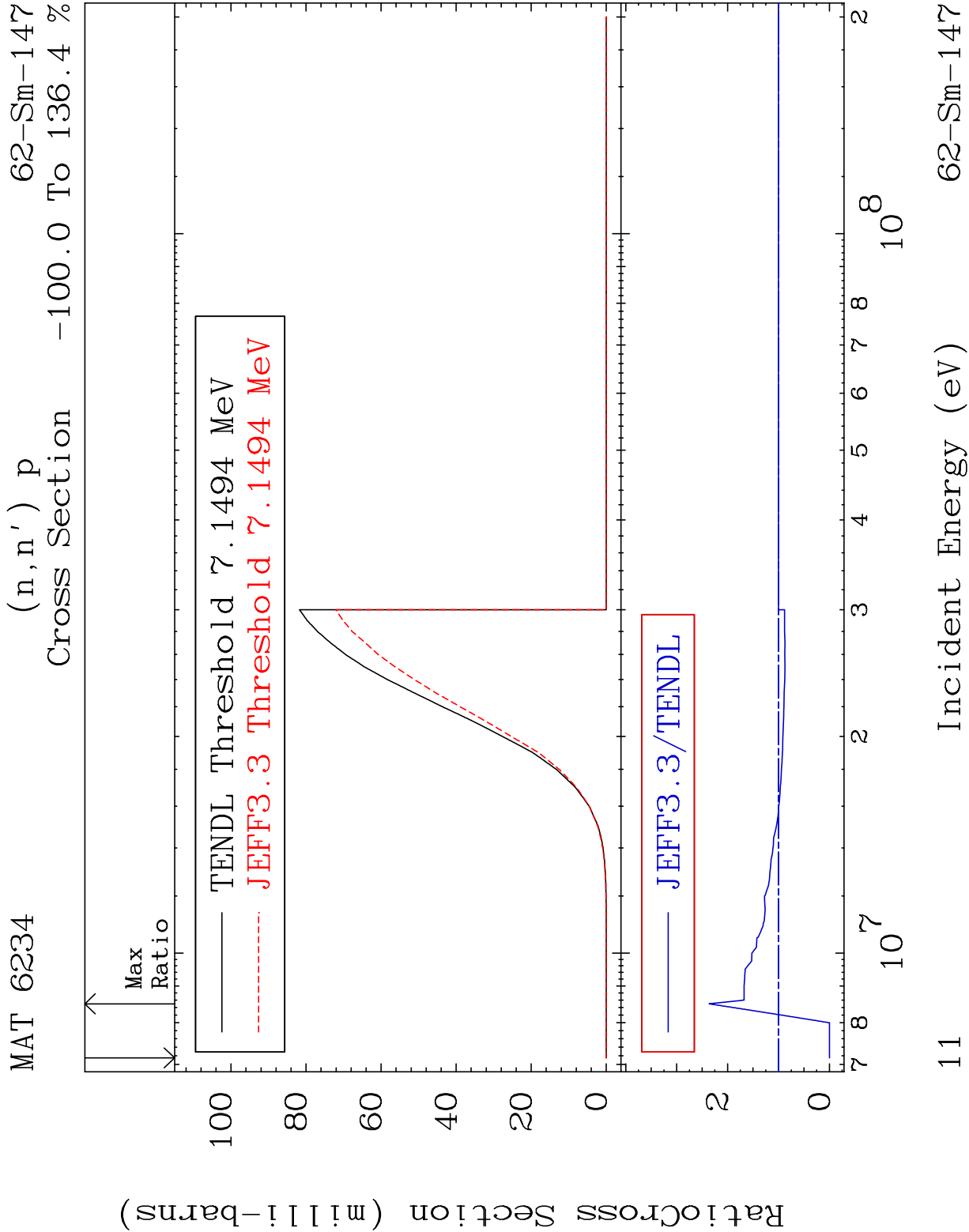


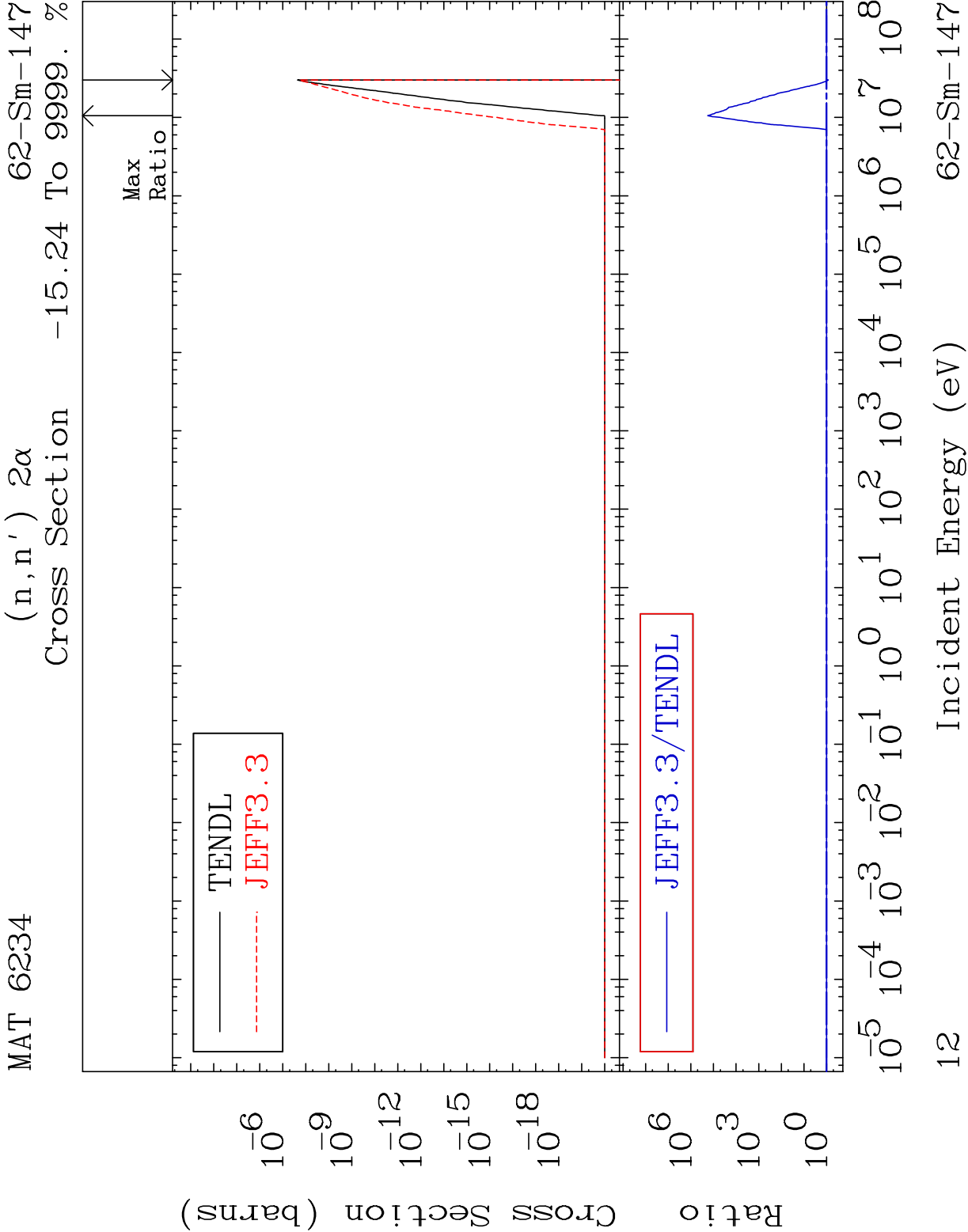


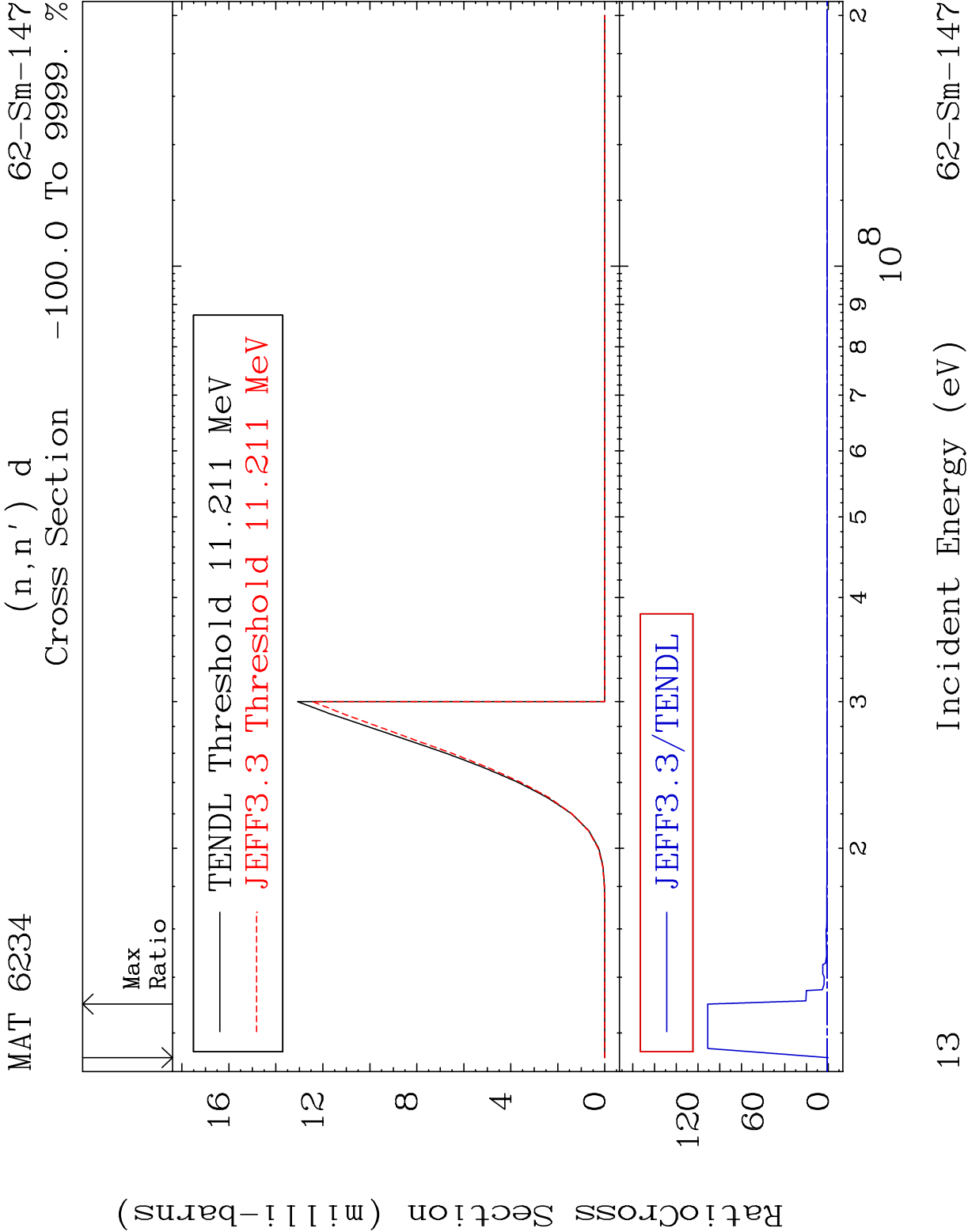


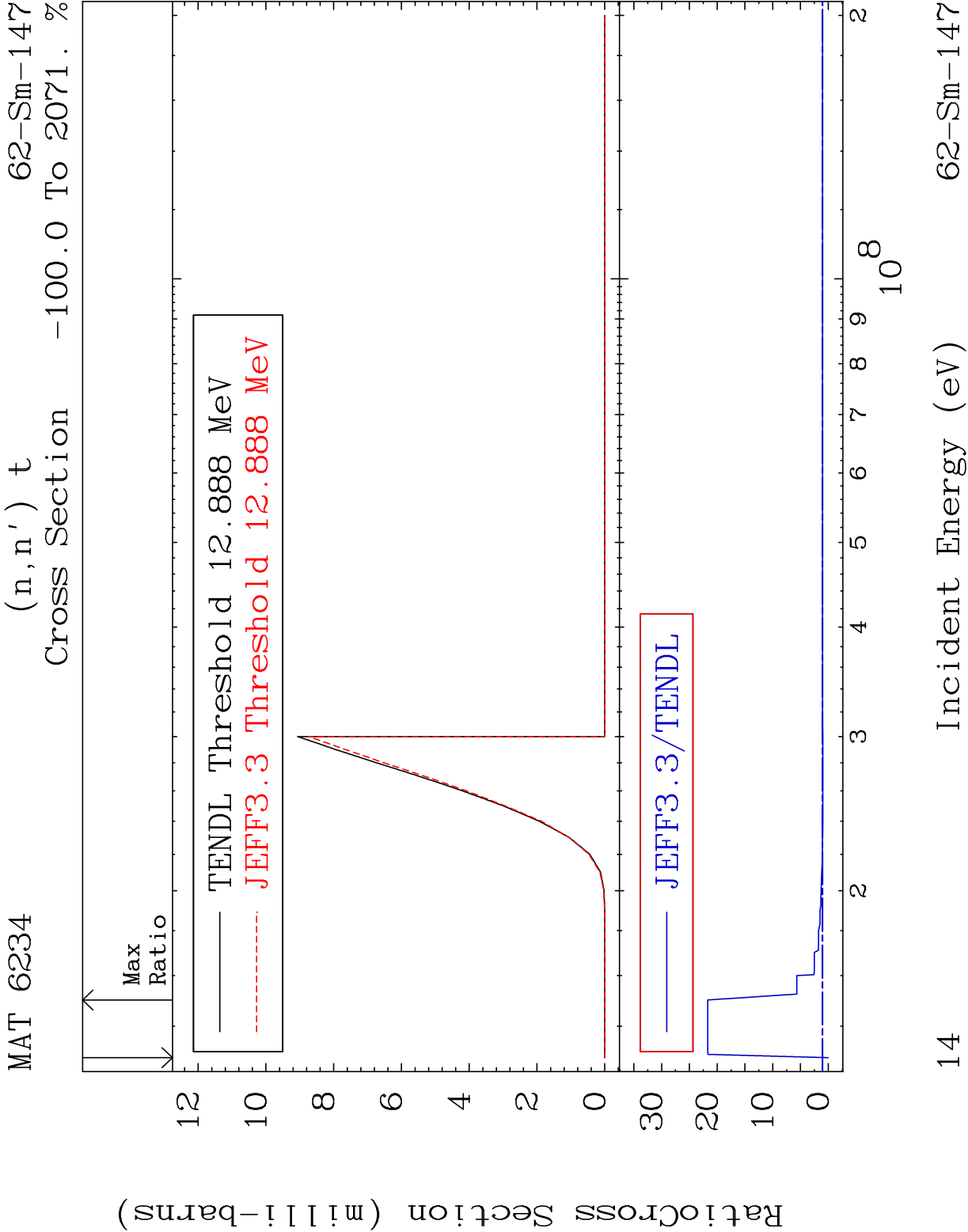


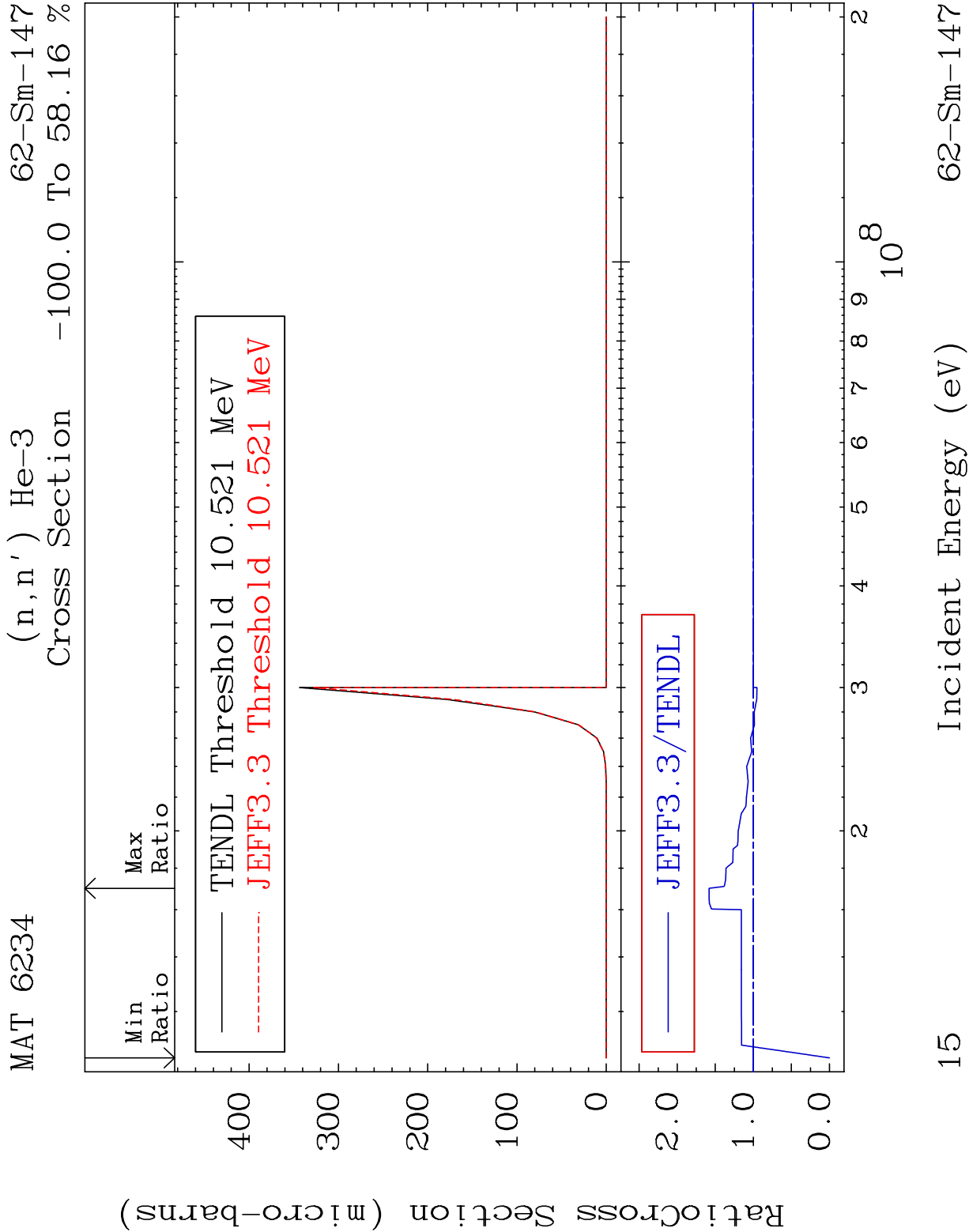


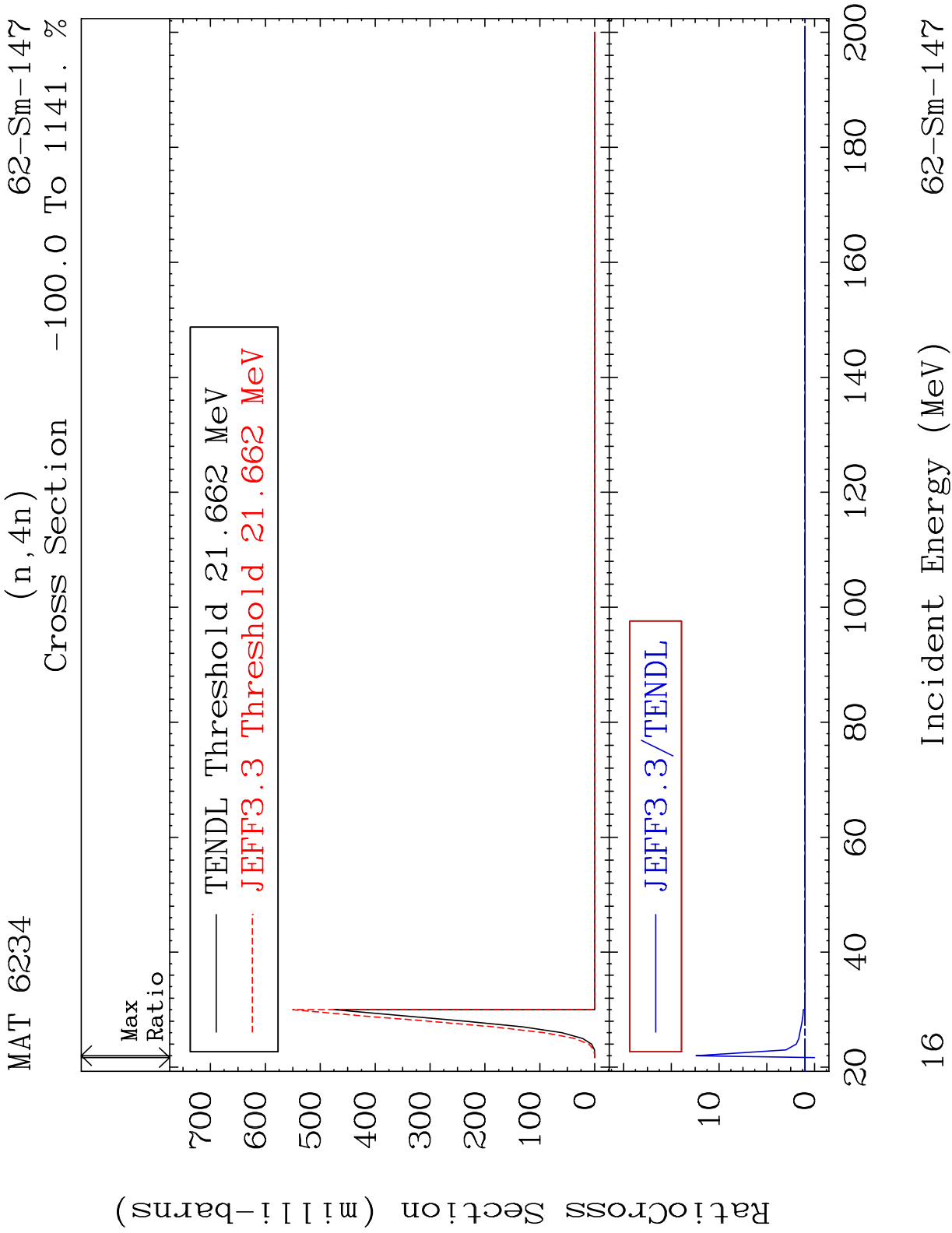


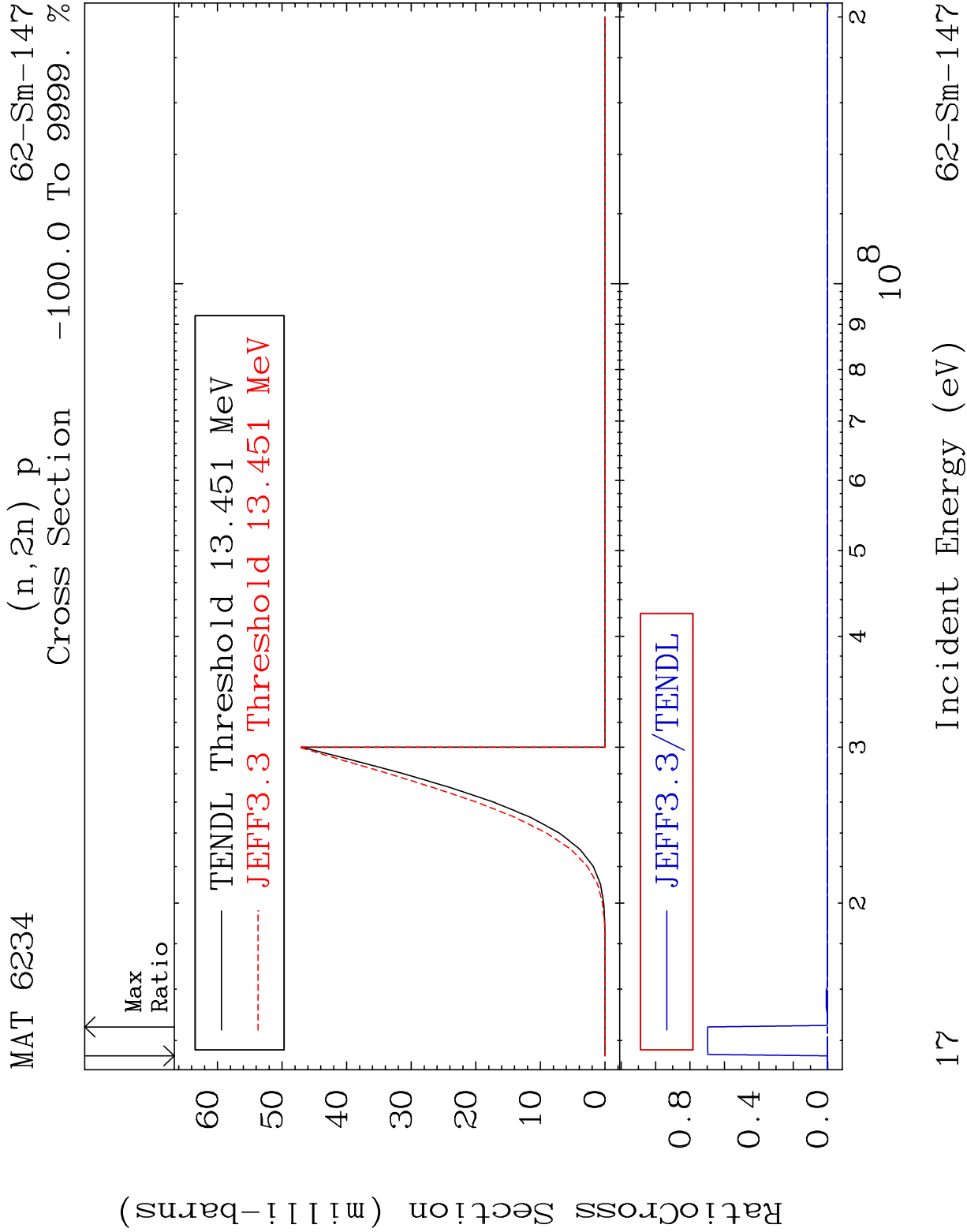


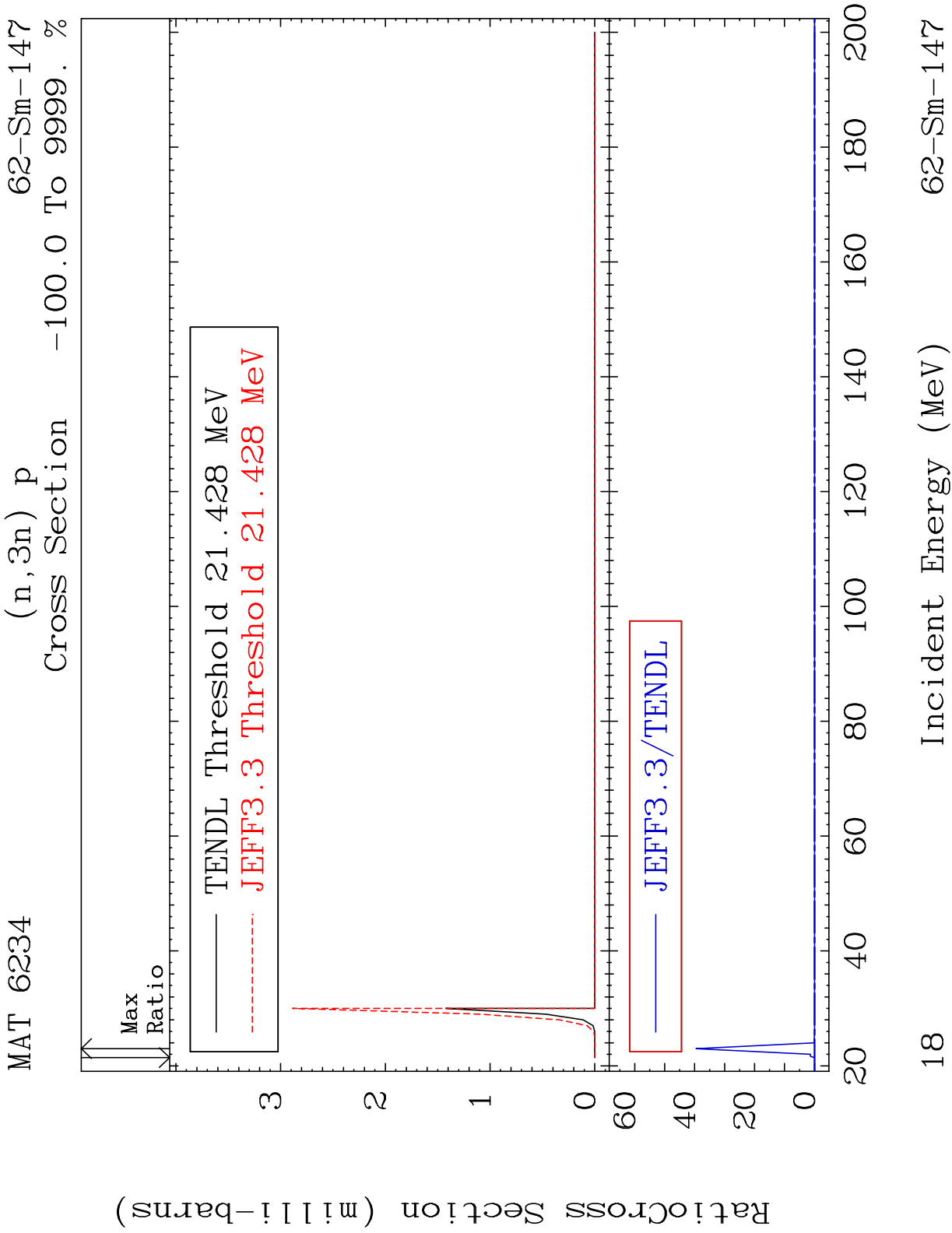


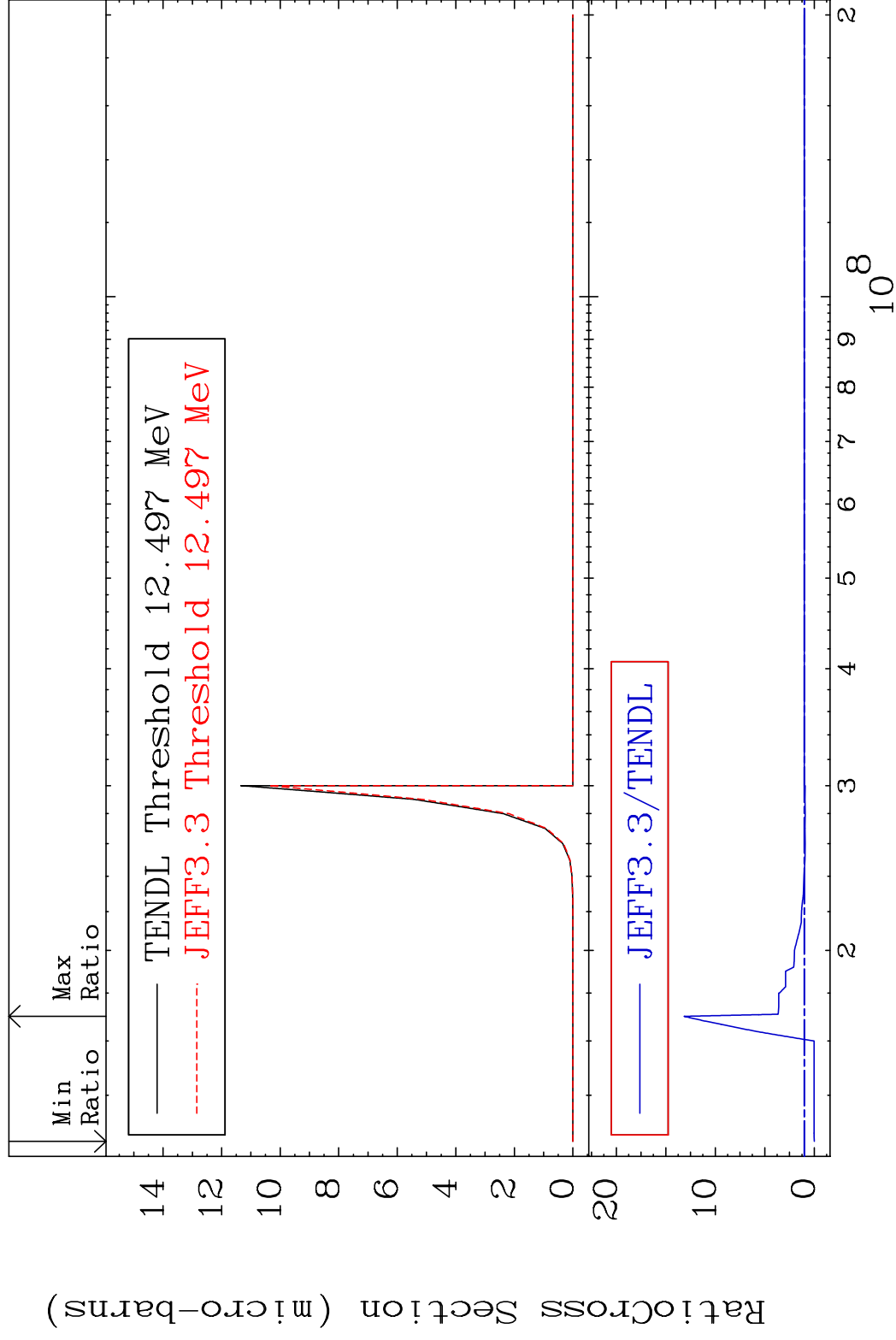


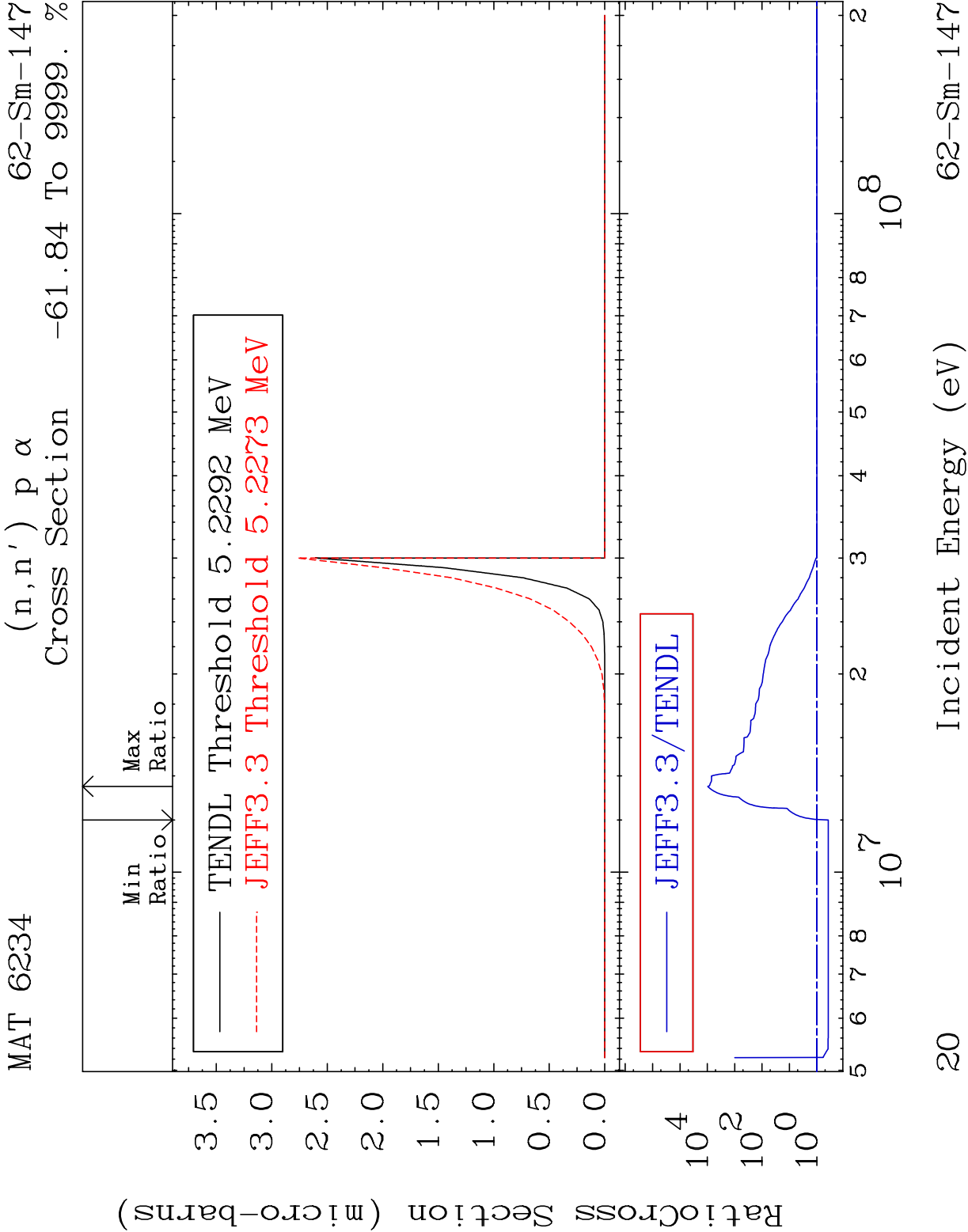


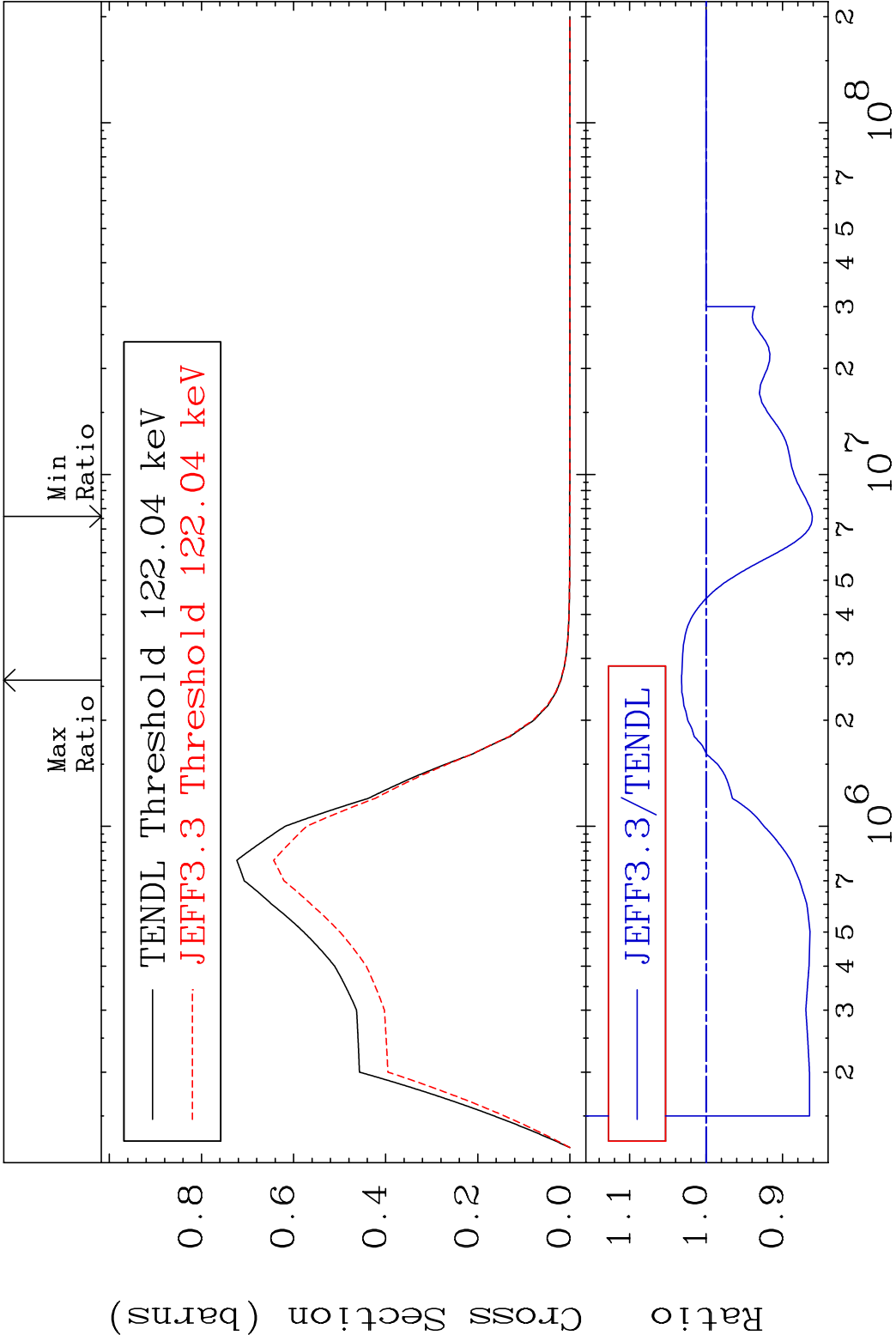




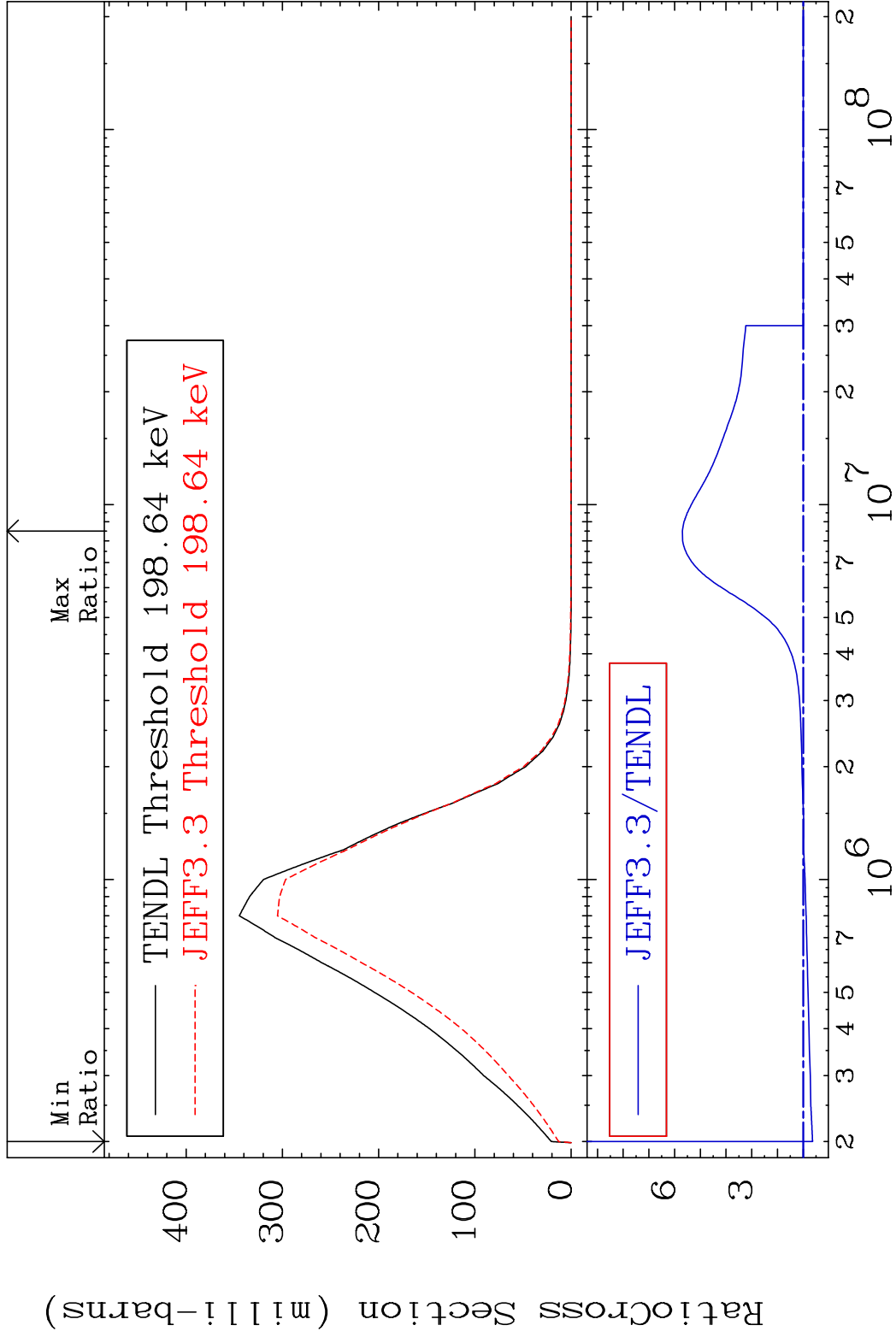




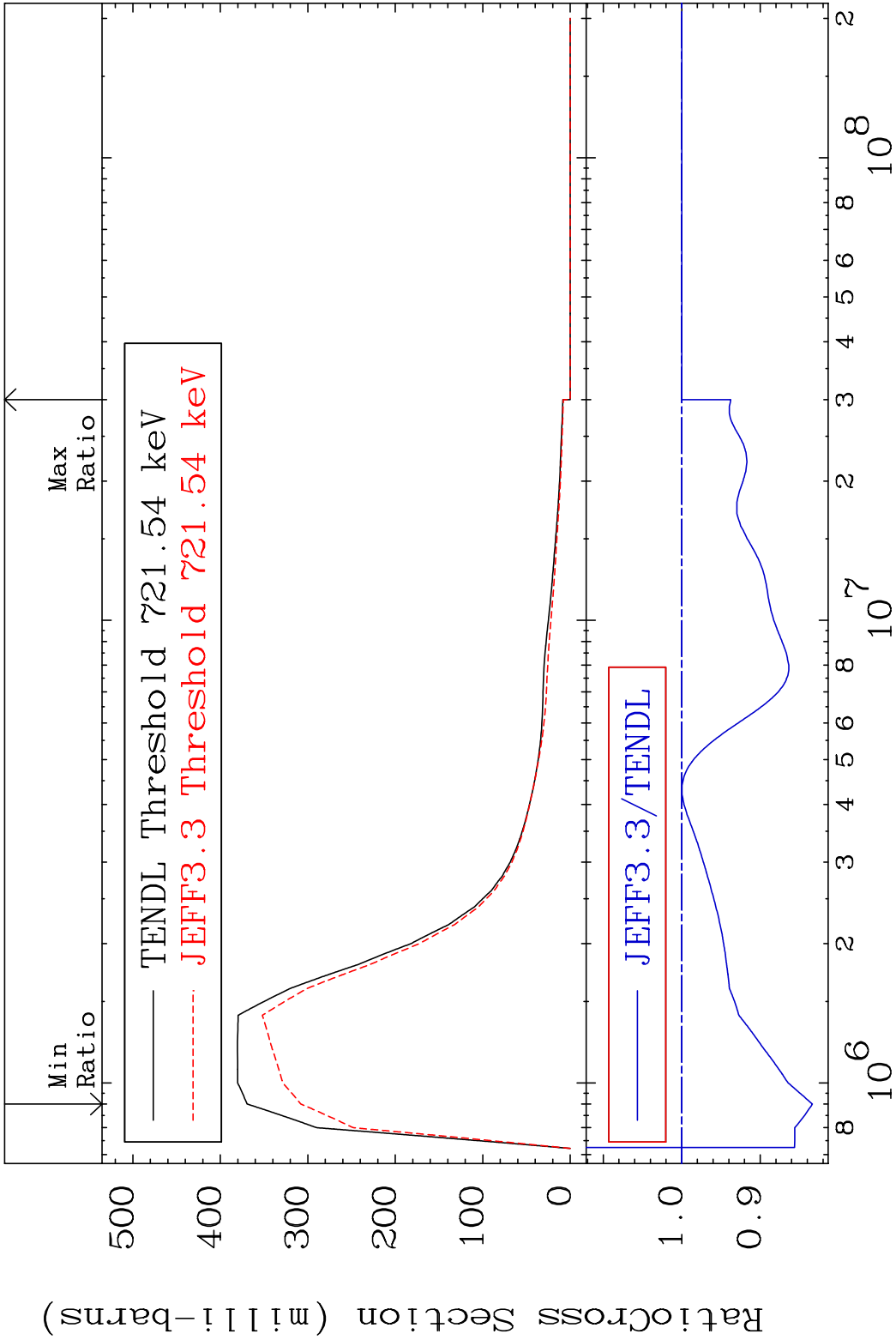


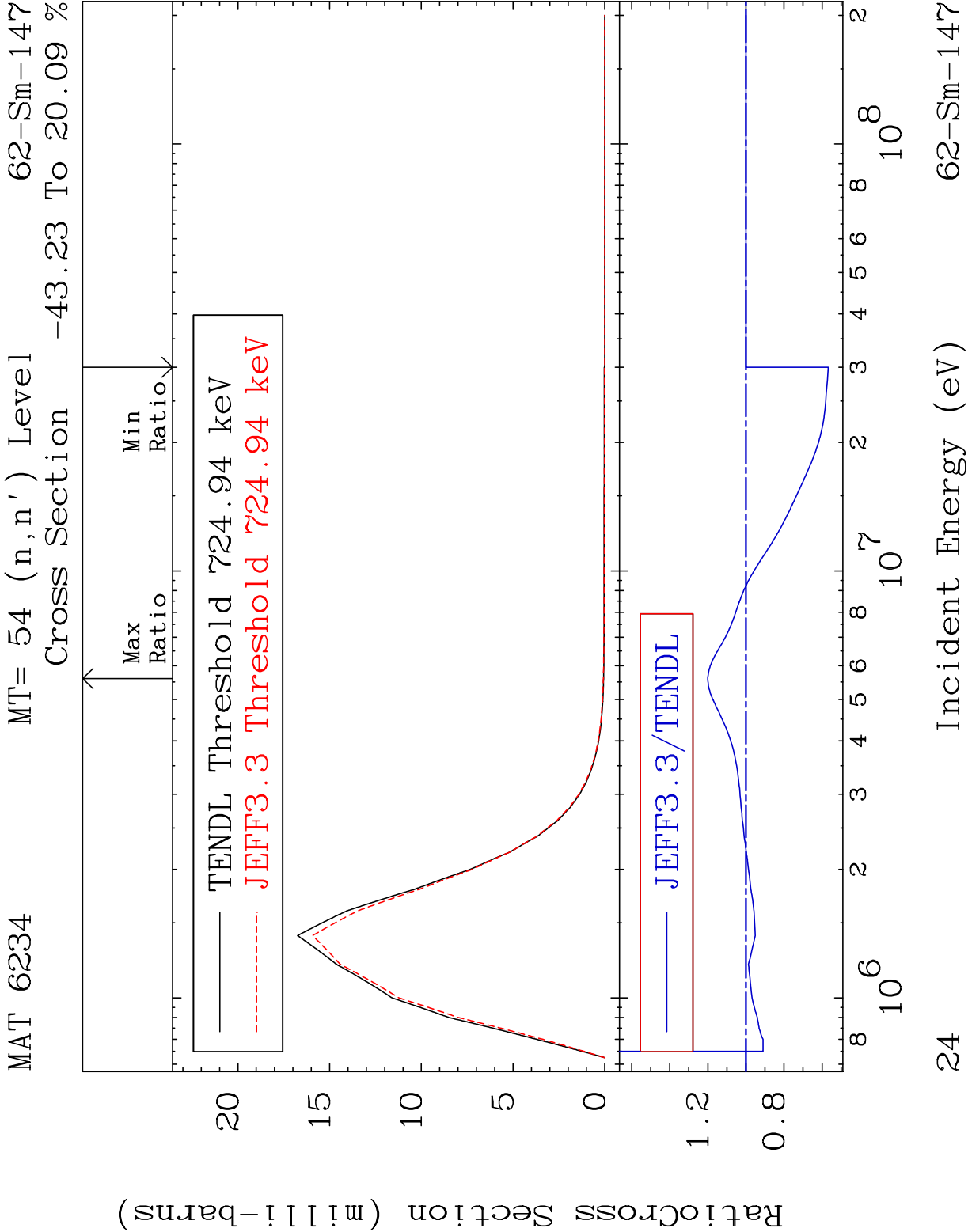


MAT 6234 MT= 52 (n,n') Level 62-Sm-147
Cross Section -36.55 To 469.9 %

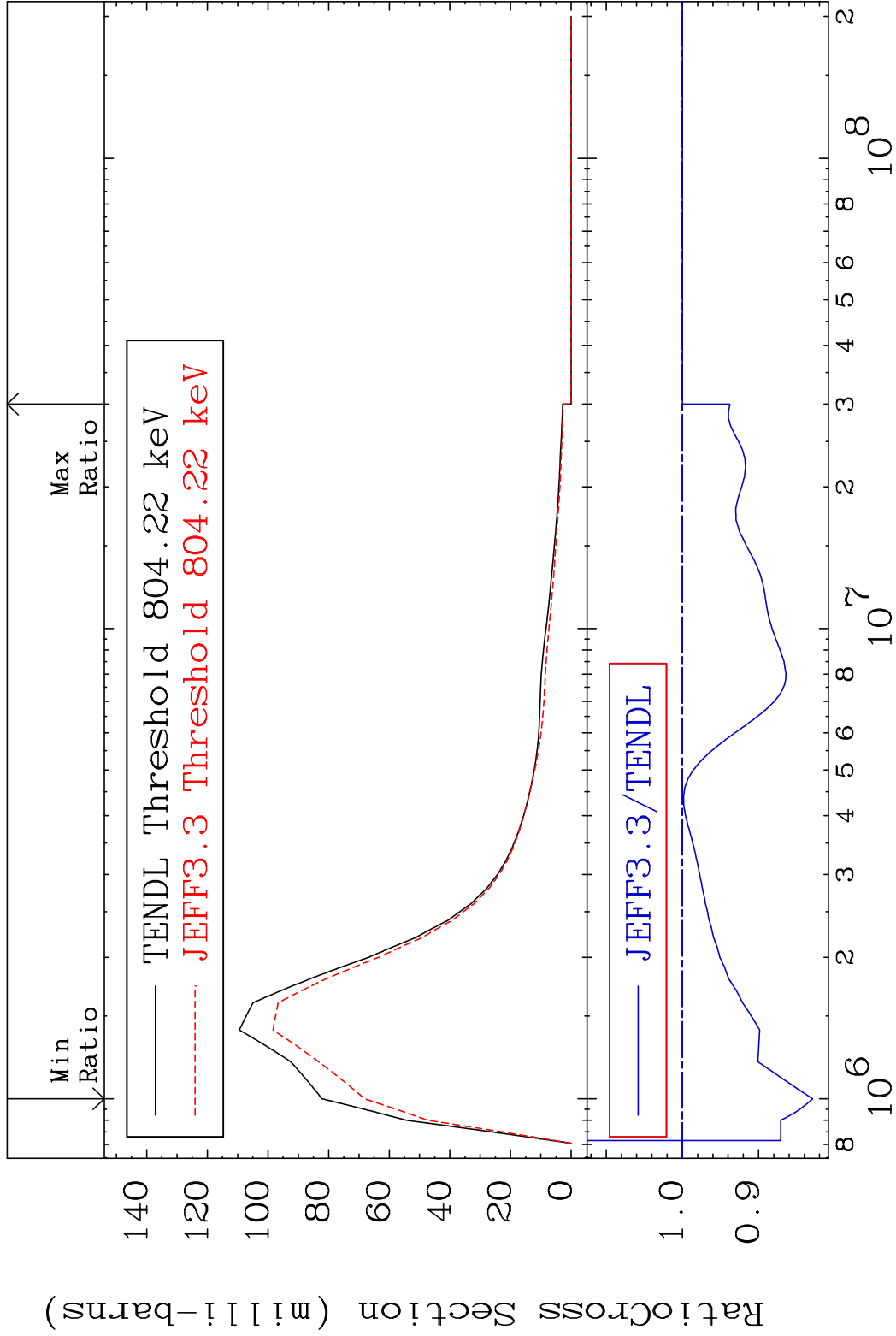


MAT 6234 MT= 53 (n,n') Level 62-Sm-147
 Cross Section -16.63 To 0.000 %

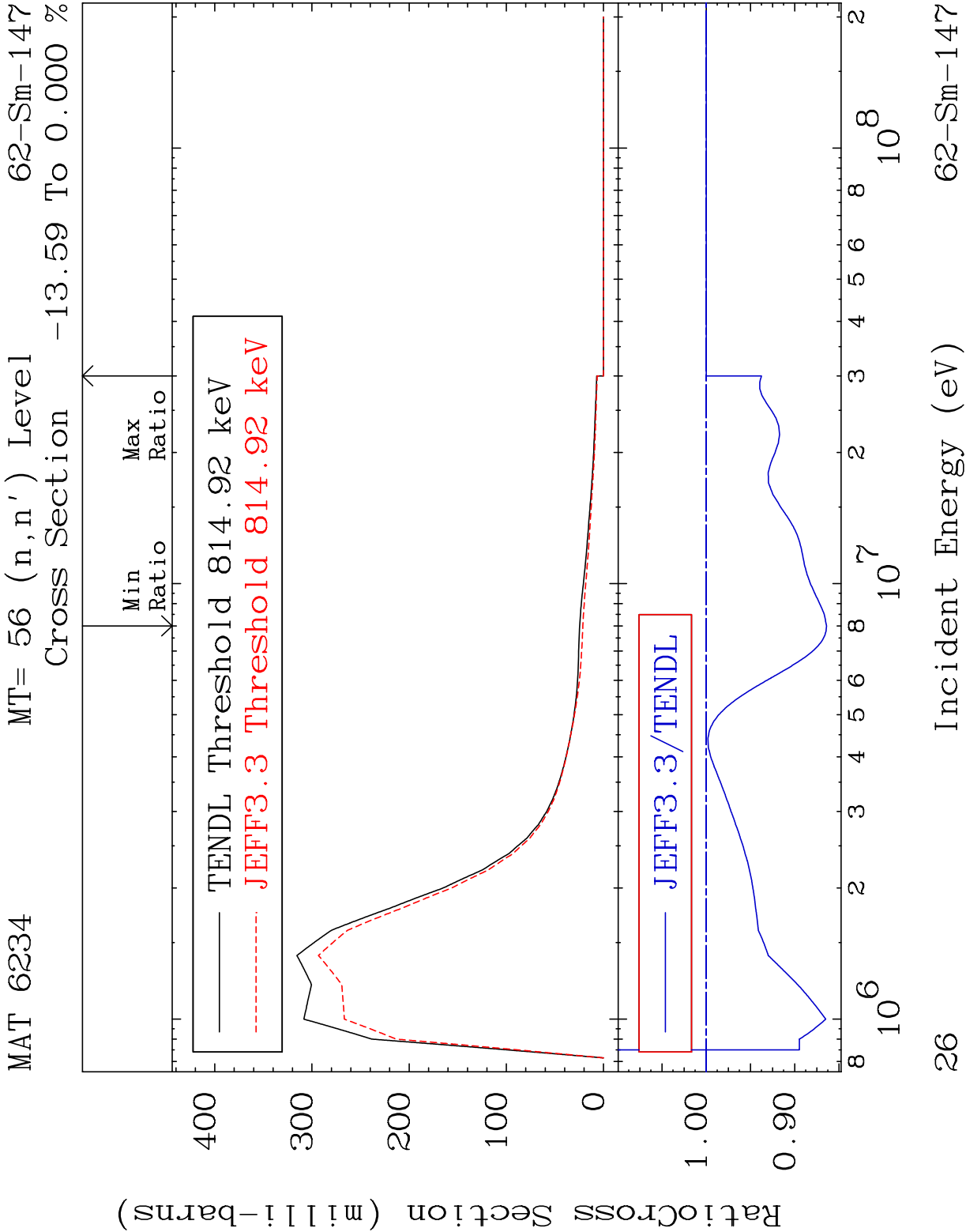




MAT 6234 MT= 55 (n,n') Level 62-Sm-147
Cross Section -17.08 To 0.000 %



25 Incident Energy (eV) 62-Sm-147

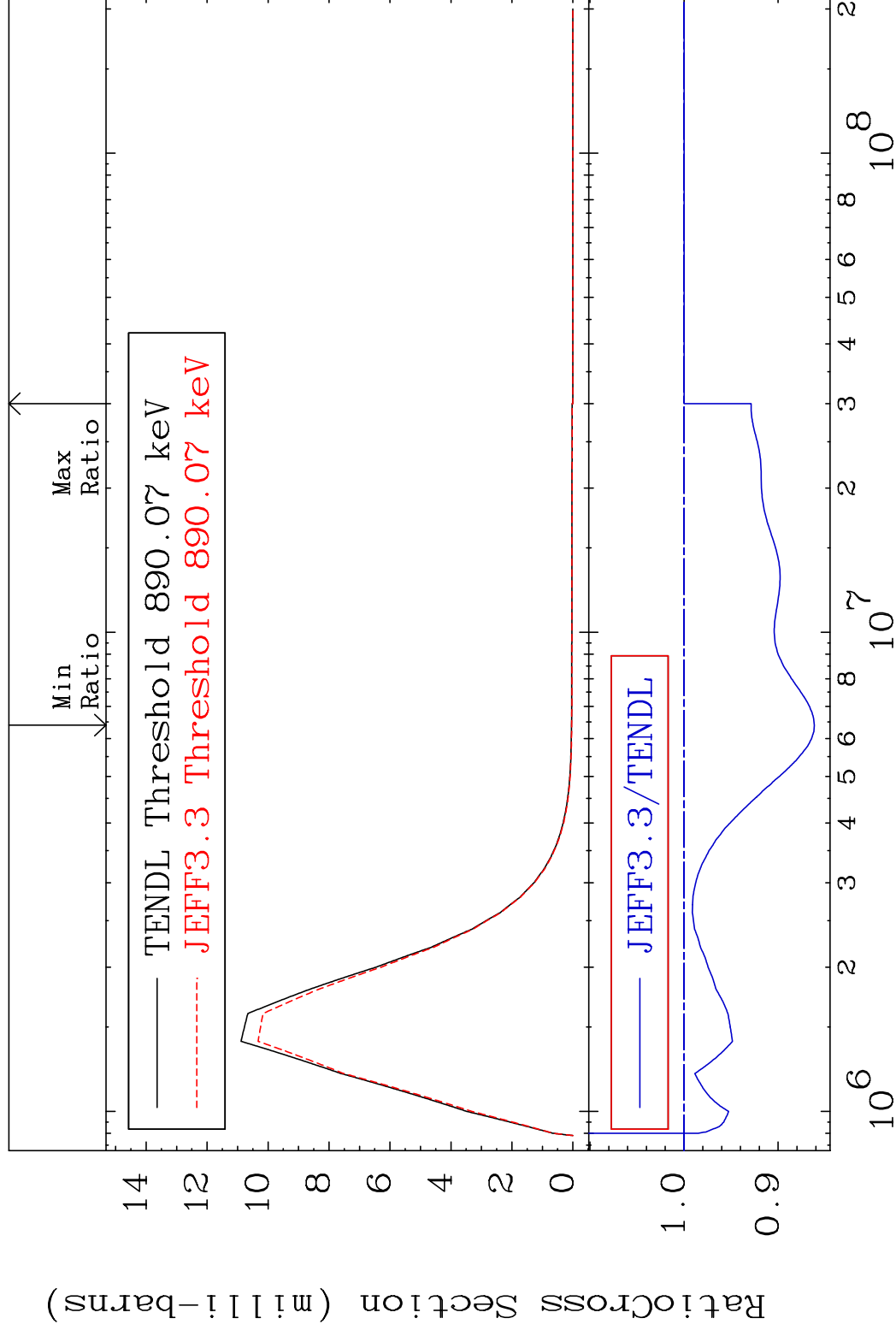


MAT 6234

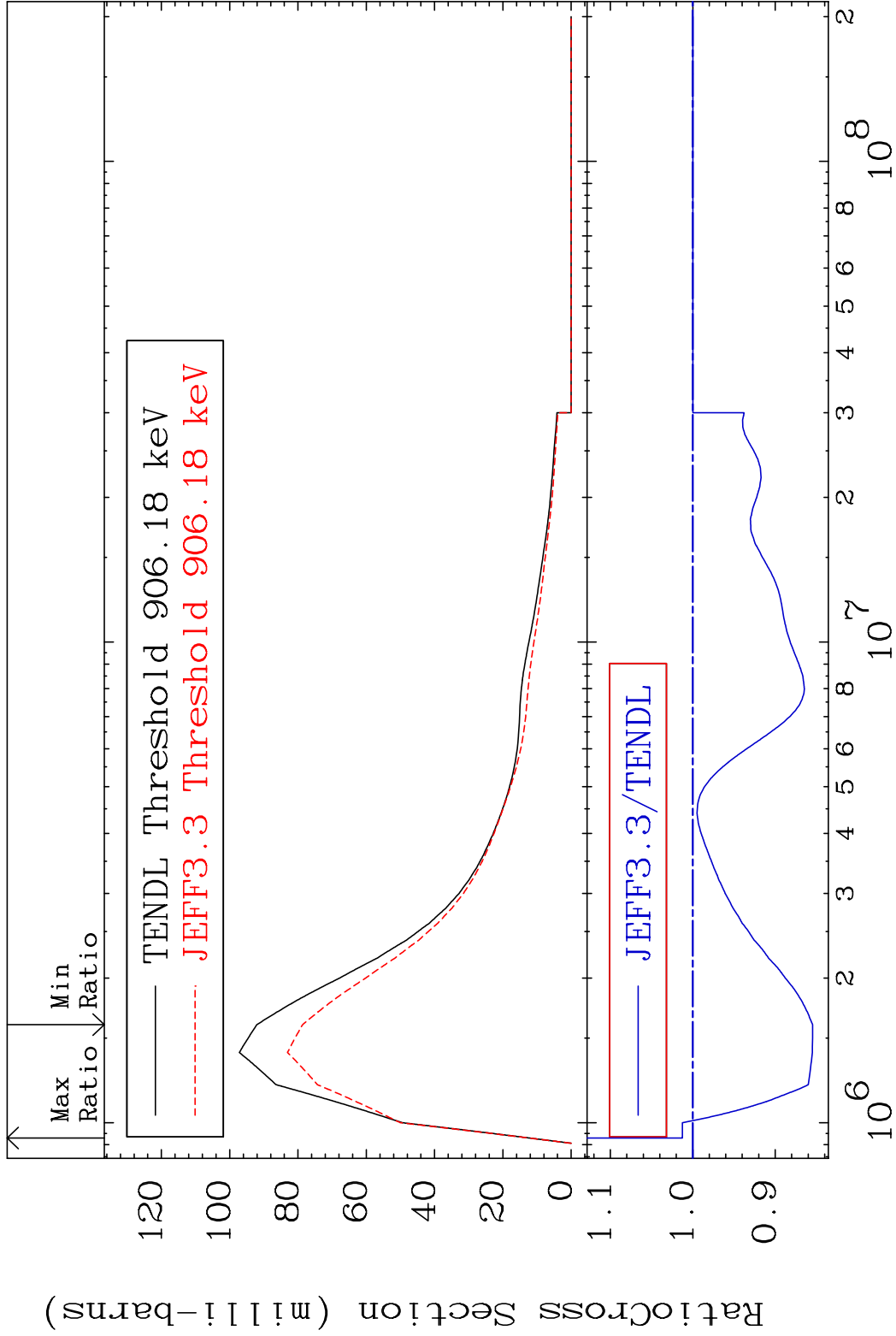
MT= 57 (n, n') Level

62-Sm-147

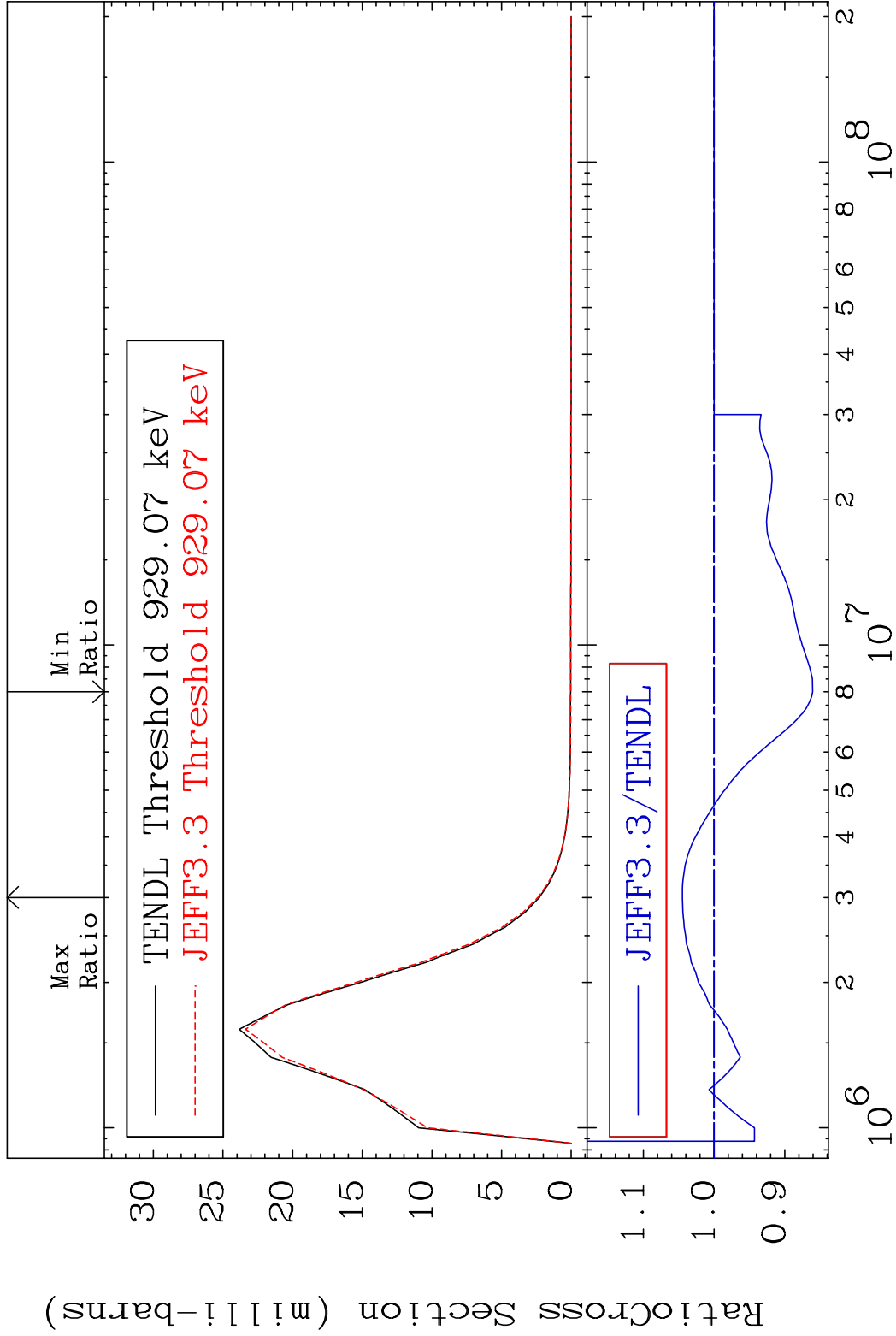
Cross Section	-13.84 To 0.000 %

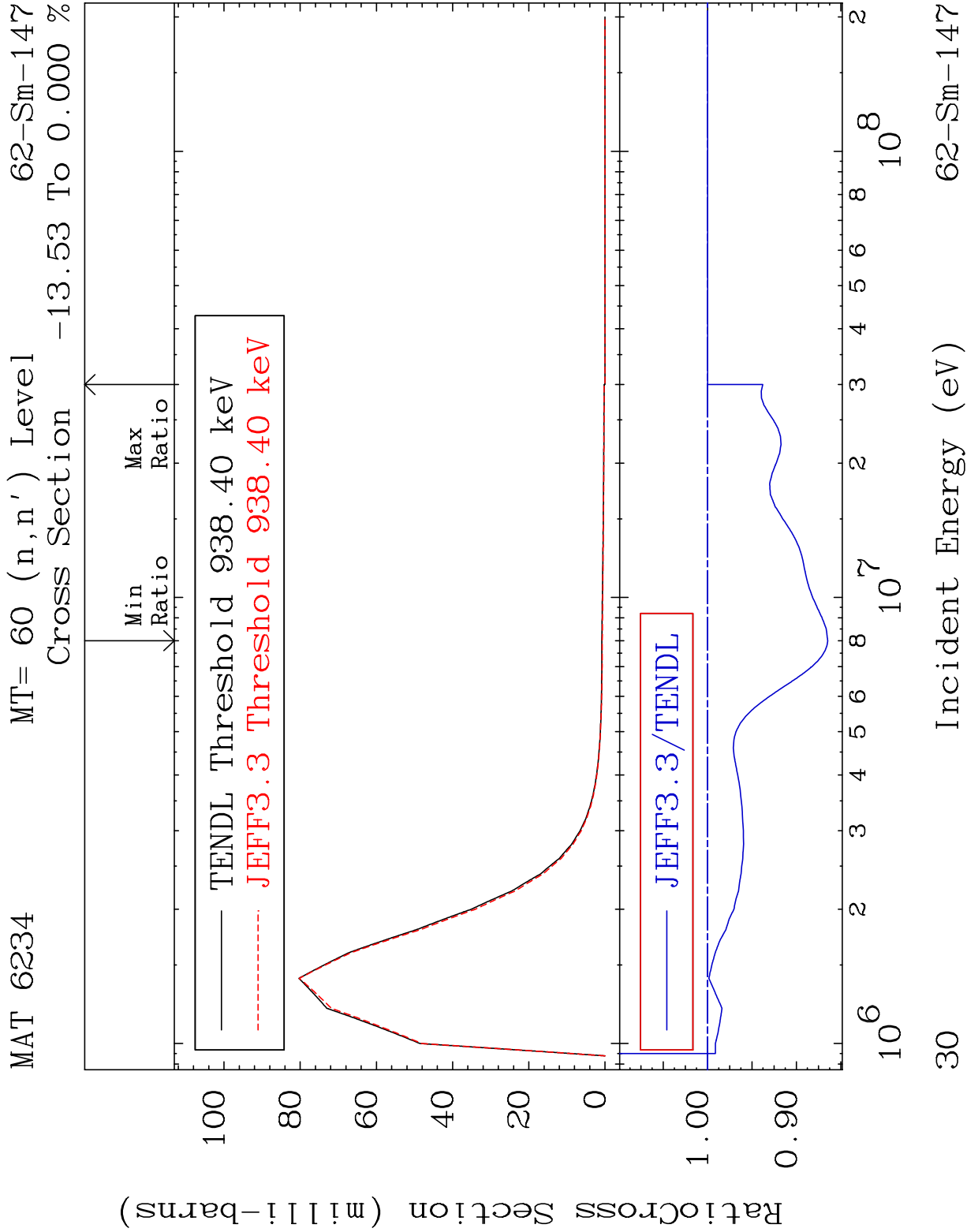


MAT 6234 MT= 58 (n,n') Level 62-Sm-147
Cross Section -14.53 To 1.266 %

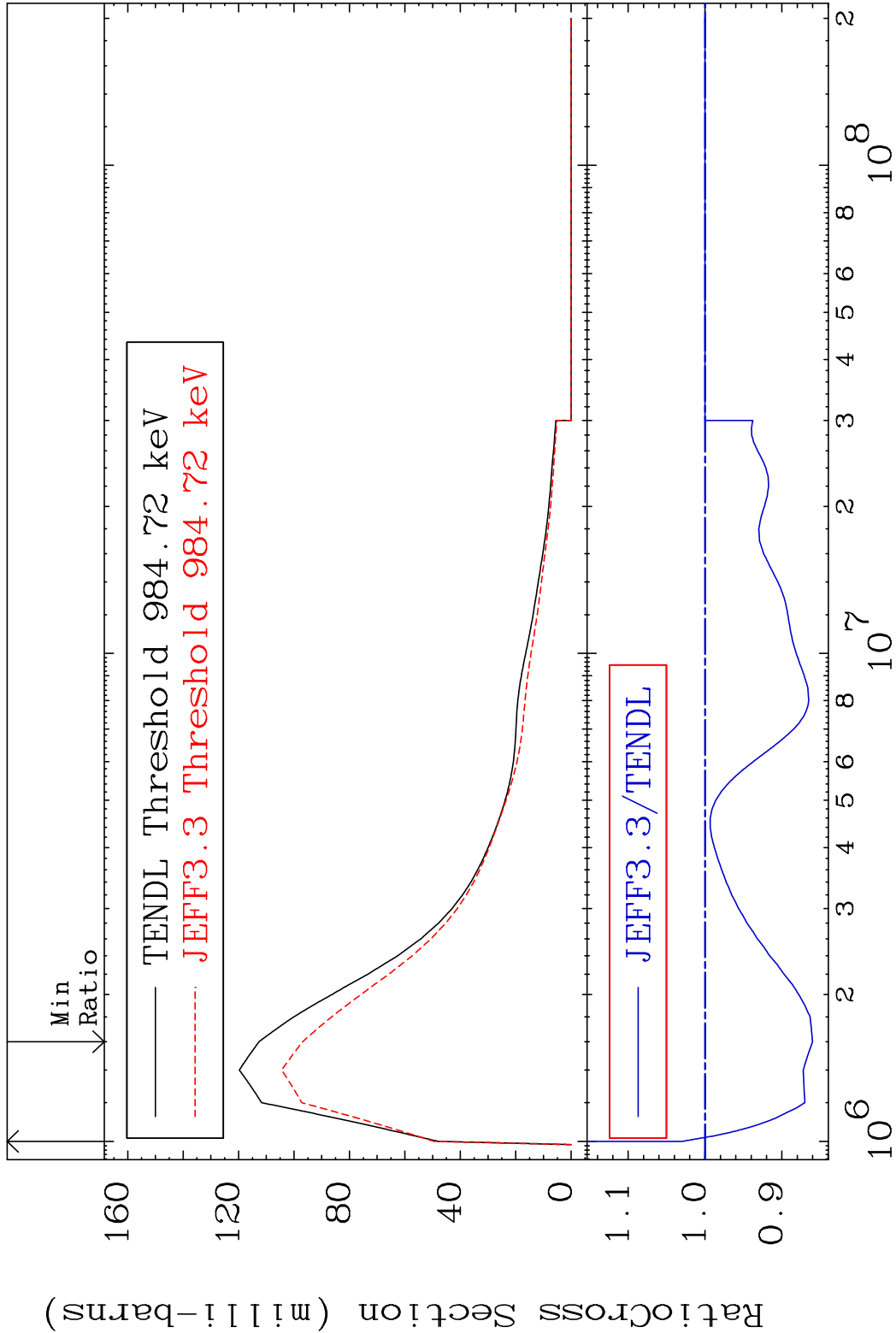


MAT 6234 MT= 59 (n,n') Level 62-Sm-147
Cross Section -13.94 To 4.496 %

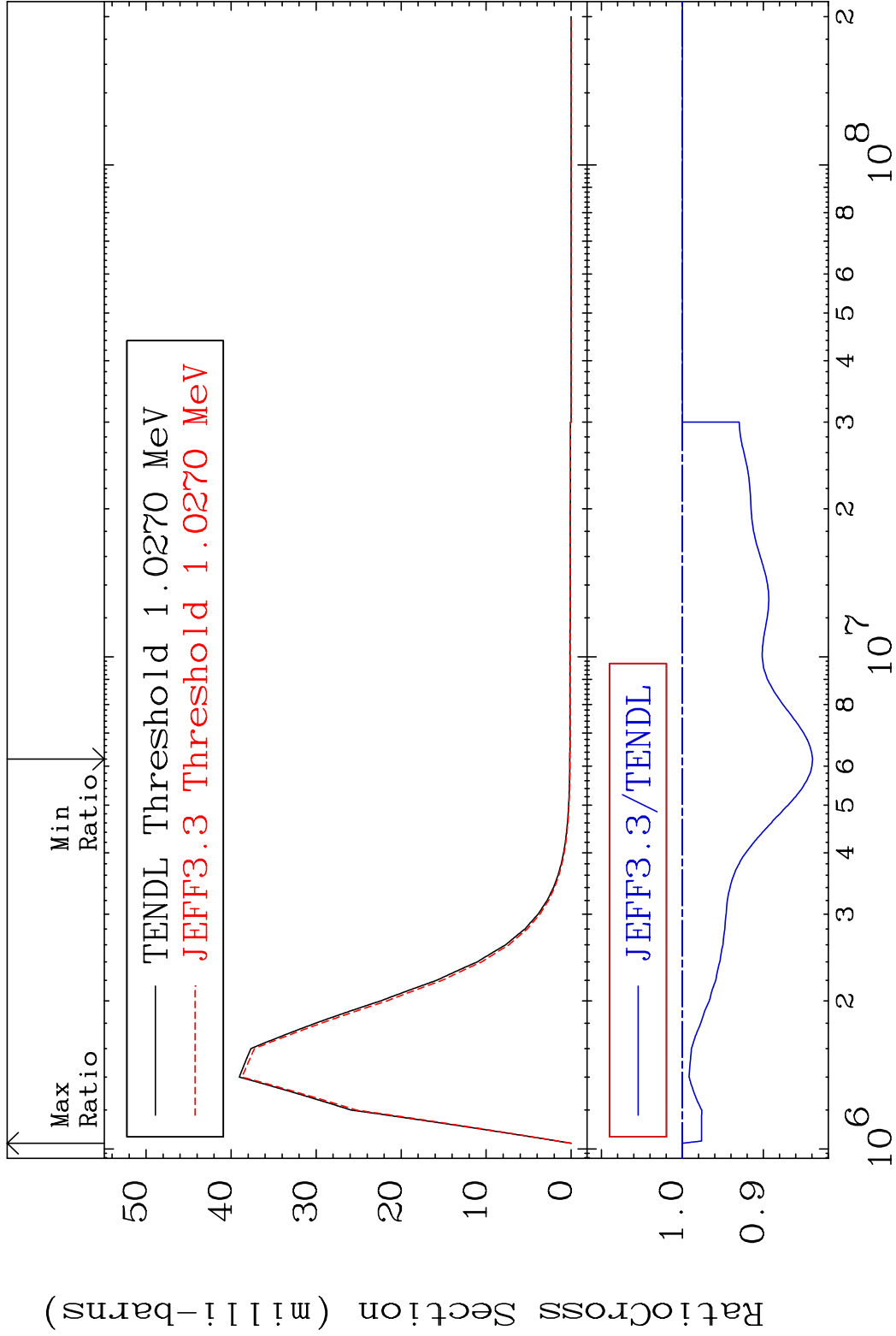




MAT 6234 MT= 61 (n,n') Level 62-Sm-147
Cross Section -13.99 To 2.953 %

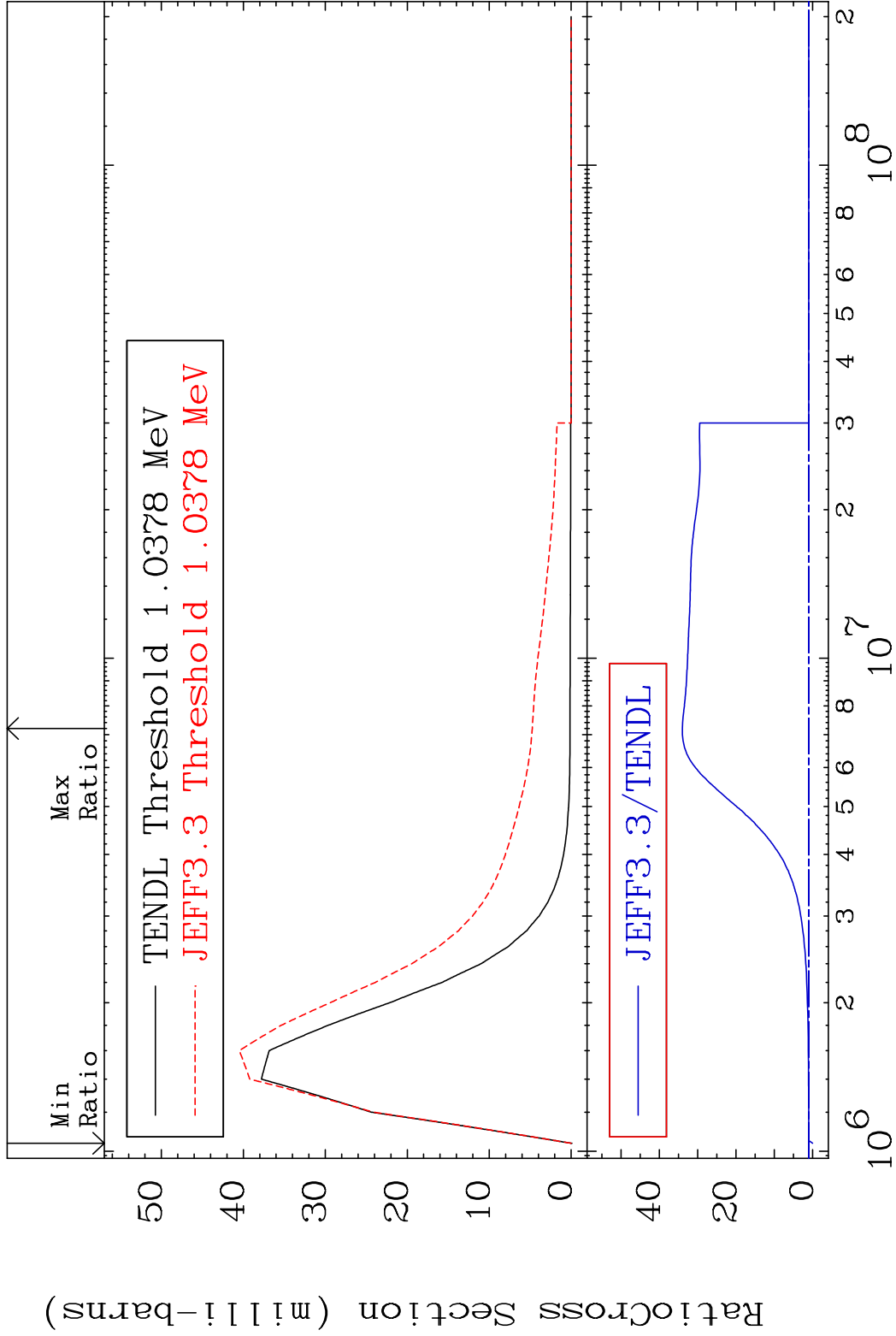


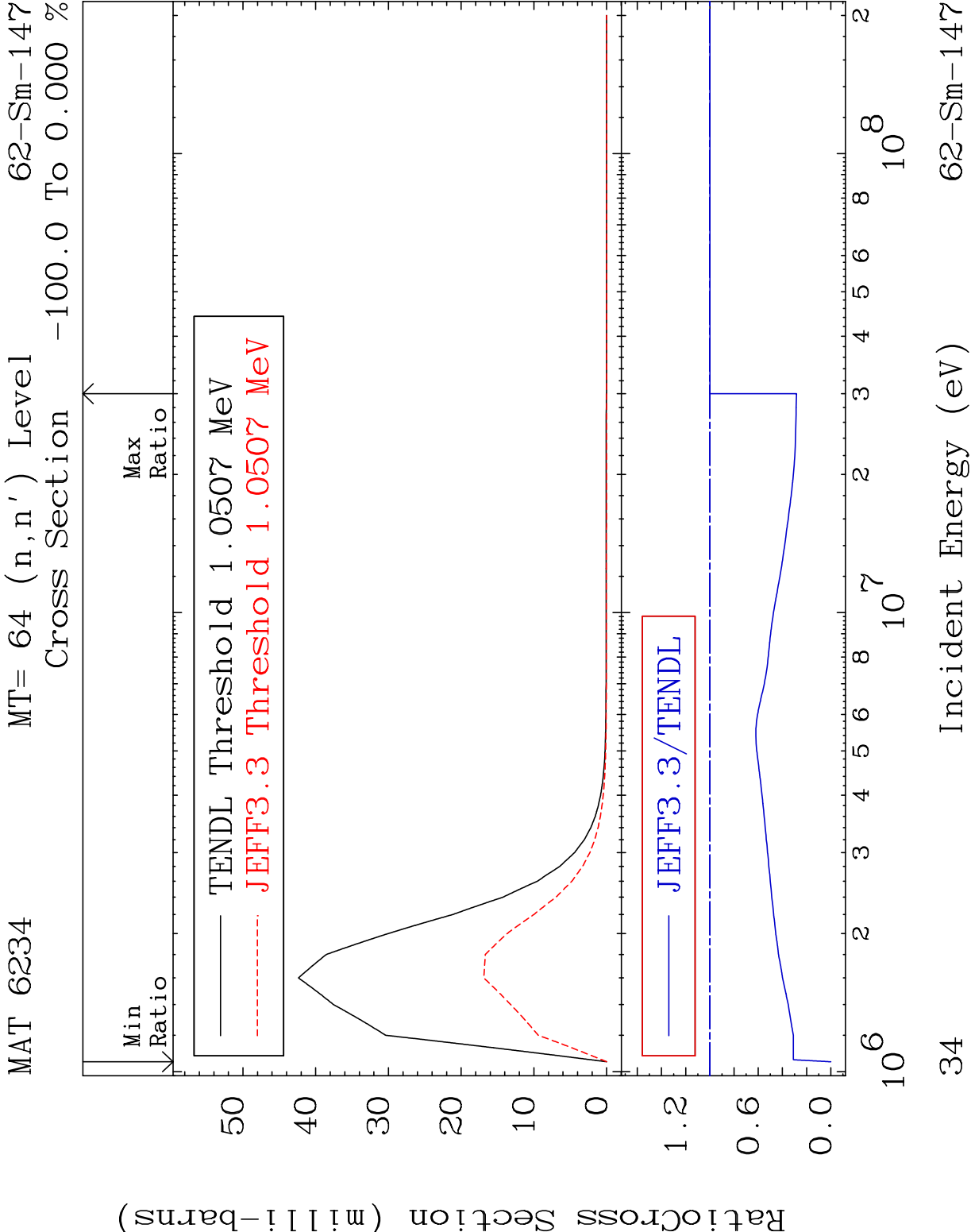
MAT 6234 MT= 62 (n,n') Level 62-Sm-147
Cross Section -16.08 To 0.000 %

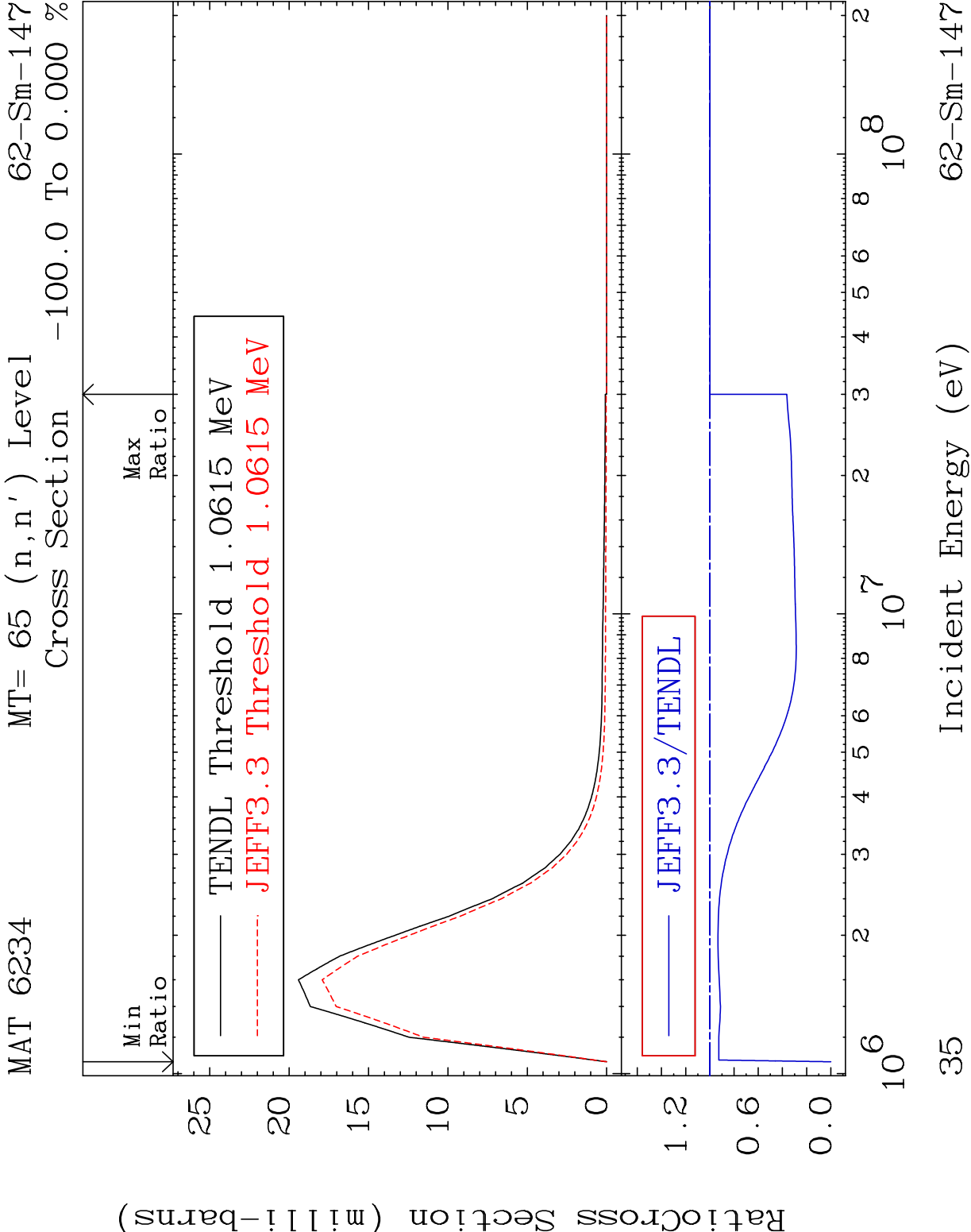


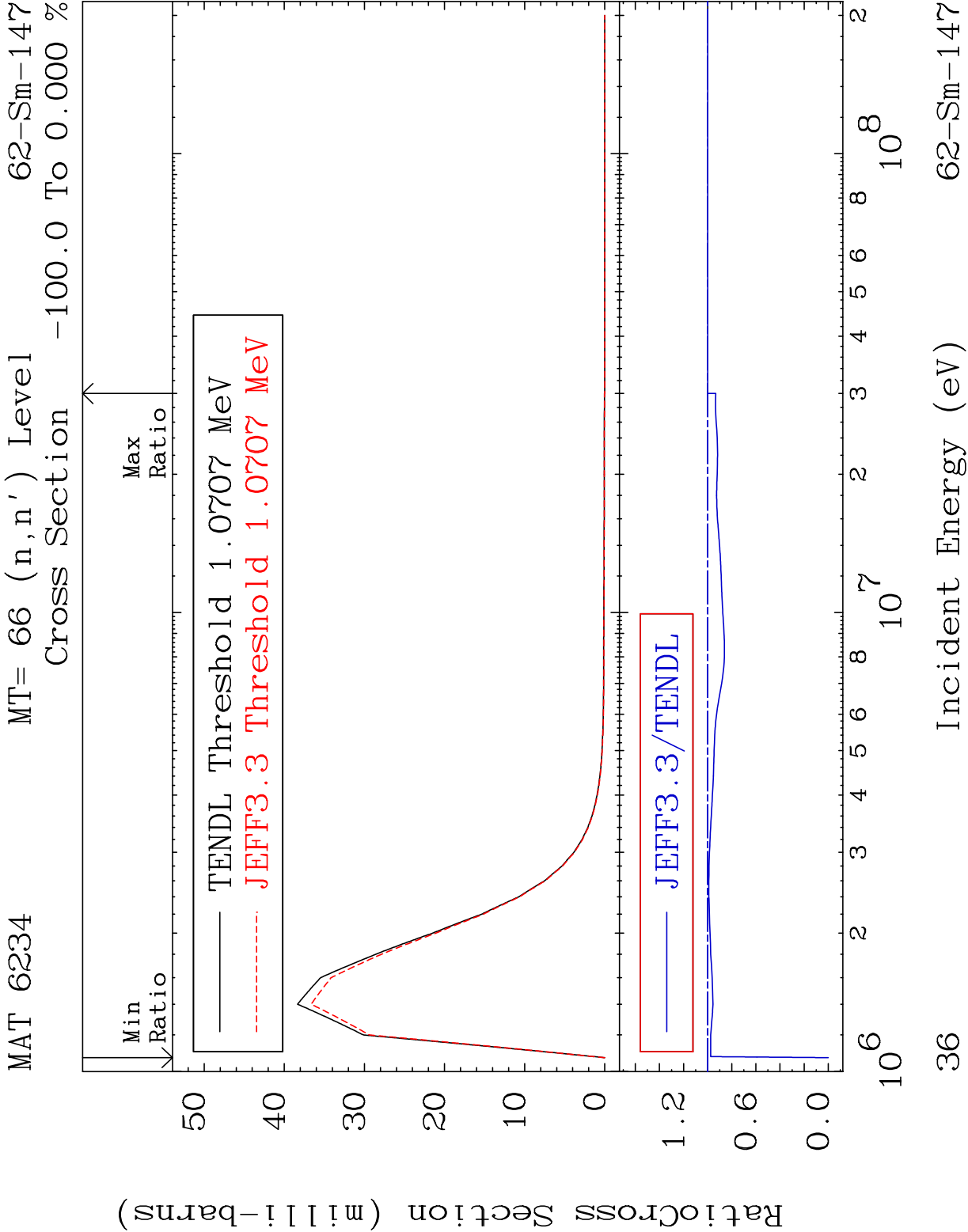
32 Incident Energy (eV) 62-Sm-147

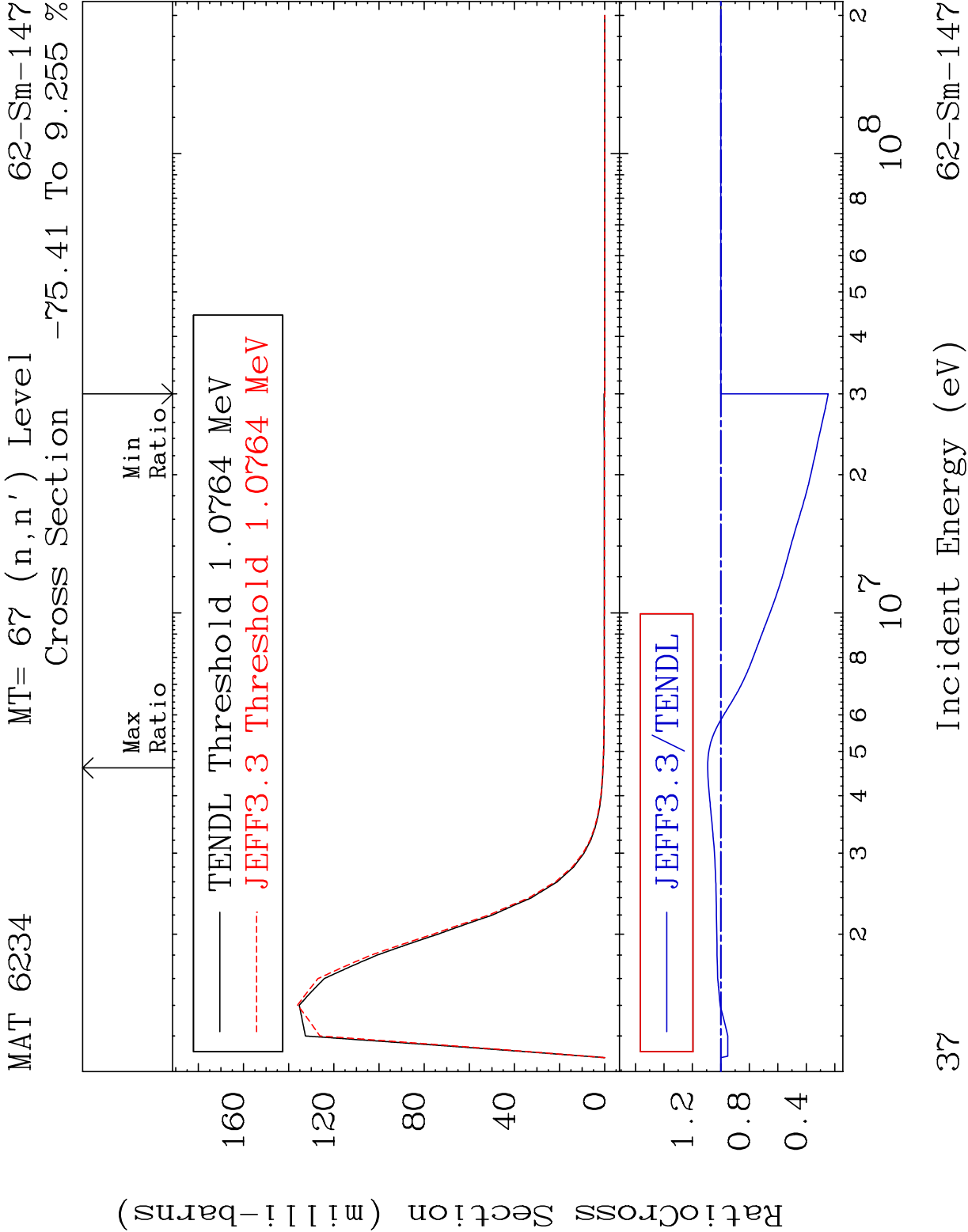
MAT 6234 MT= 63 (n,n') Level 62-Sm-147
Cross Section -100.0 To 3299. %



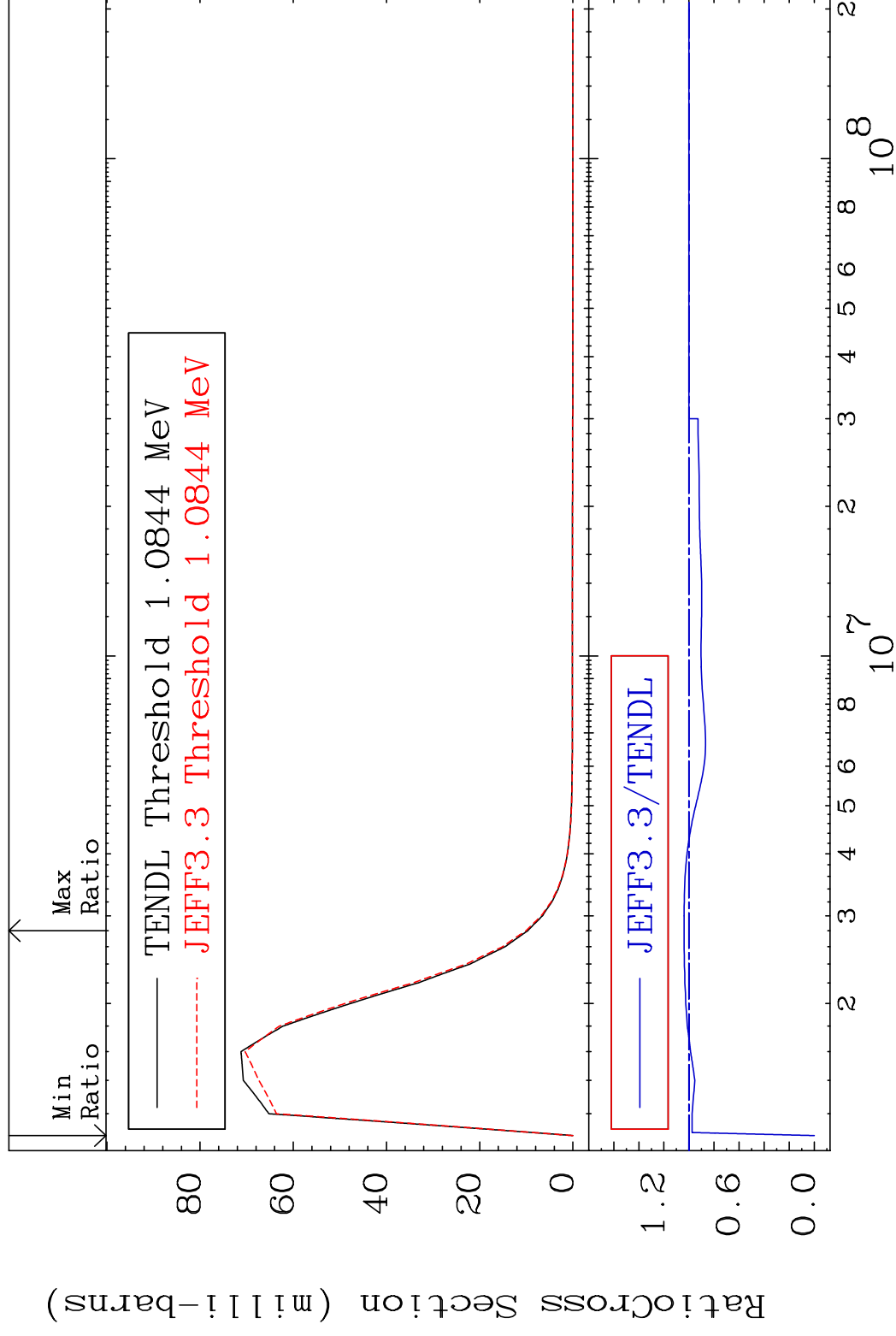


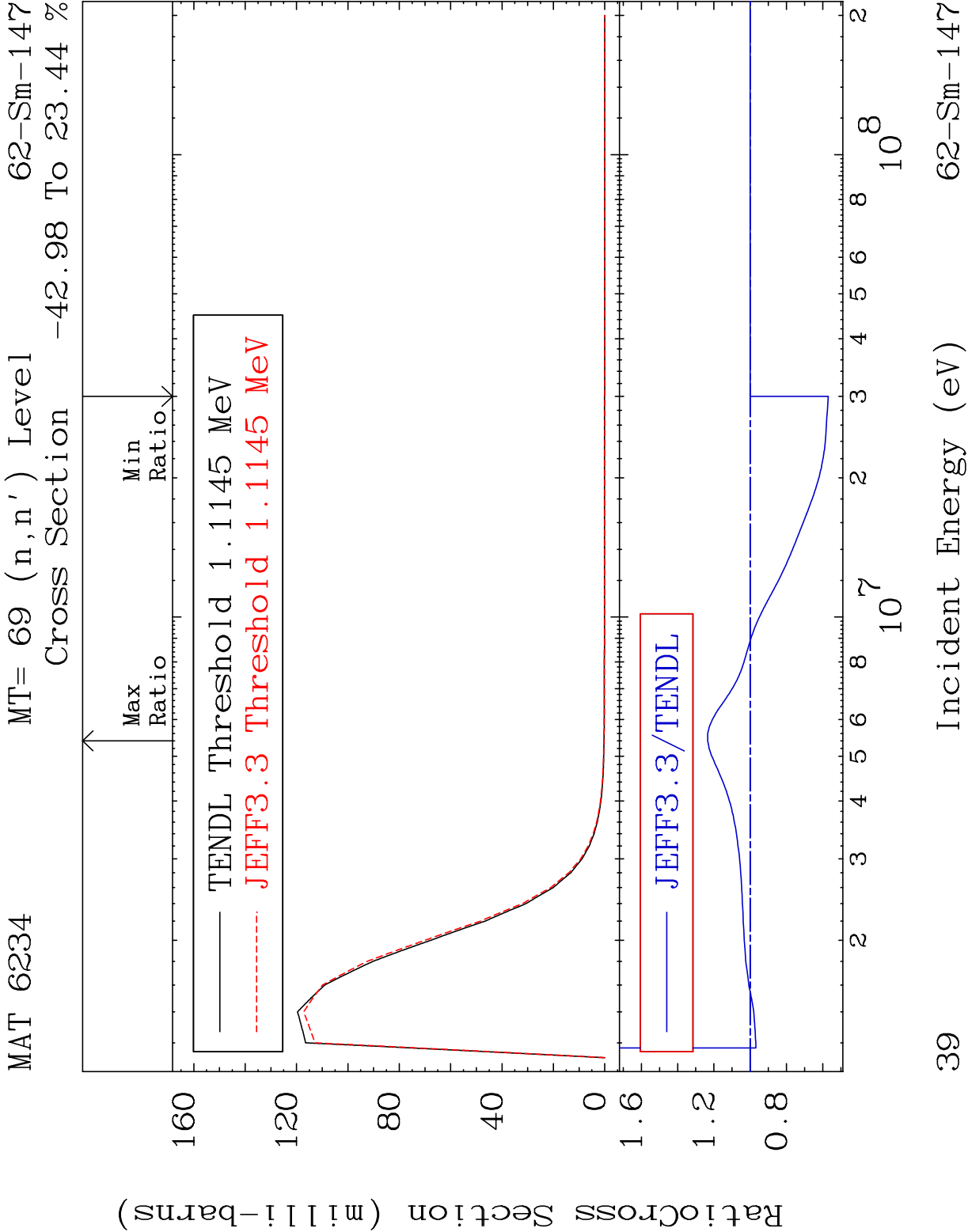


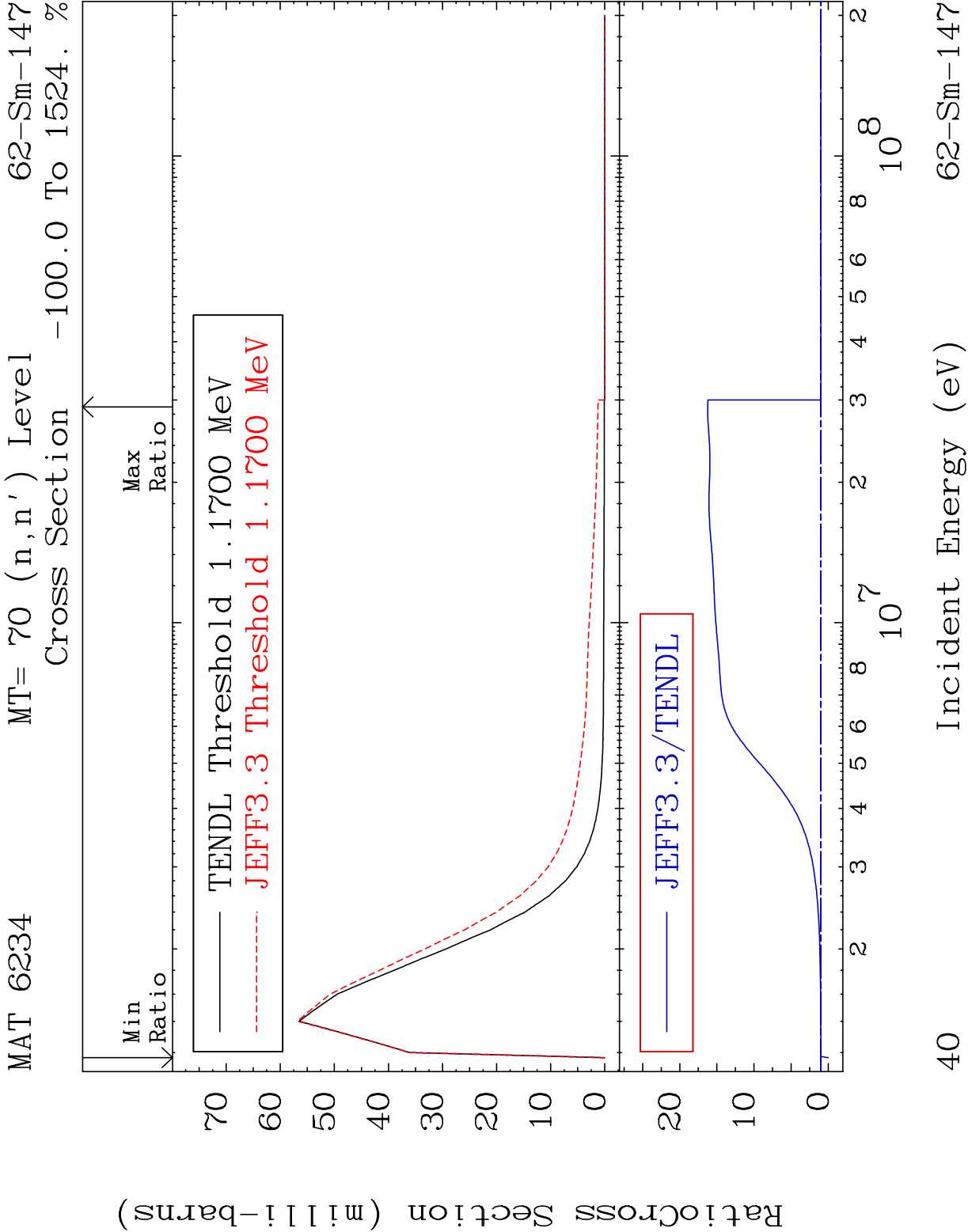


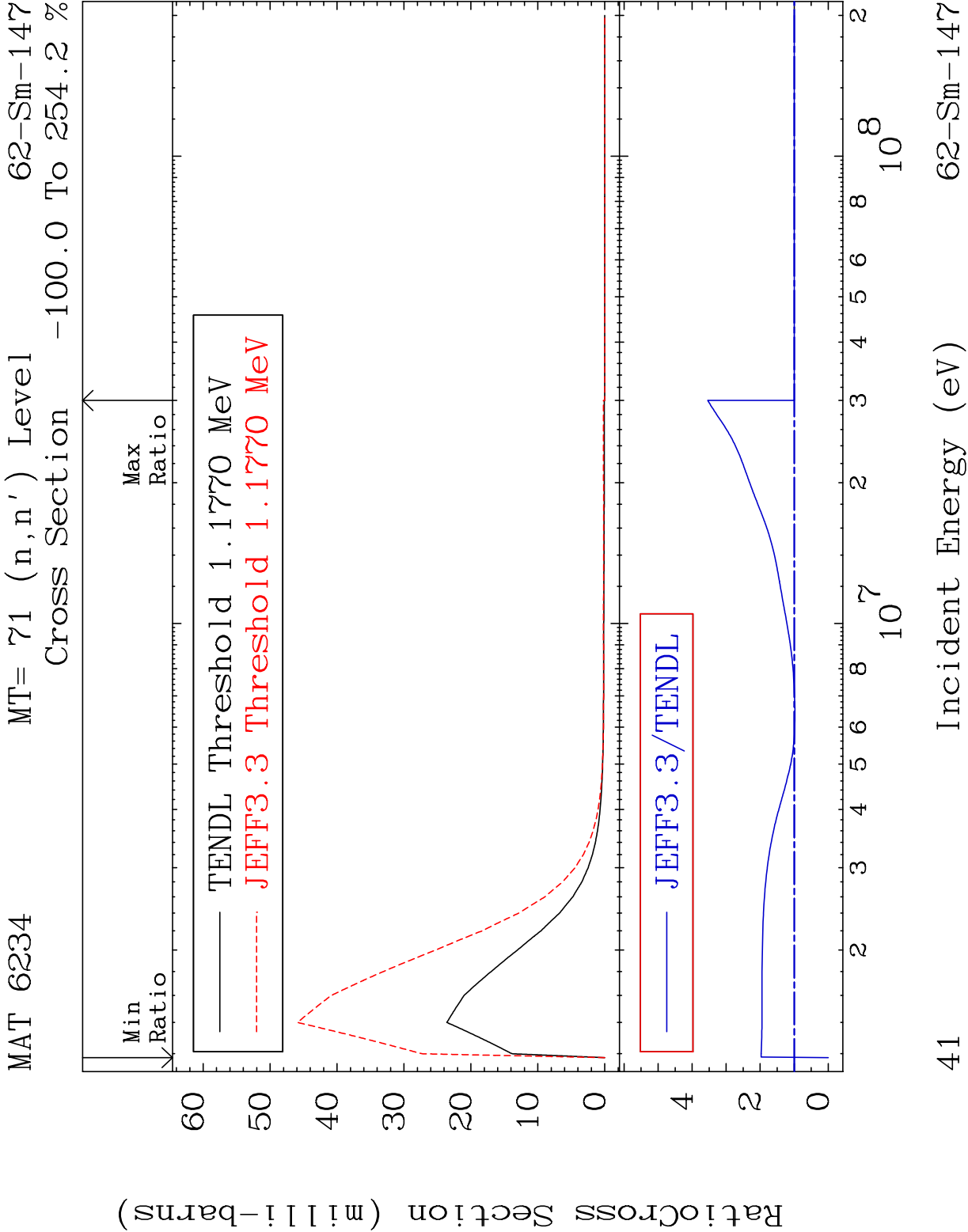


Cross Section -100.0 To 3.917 %









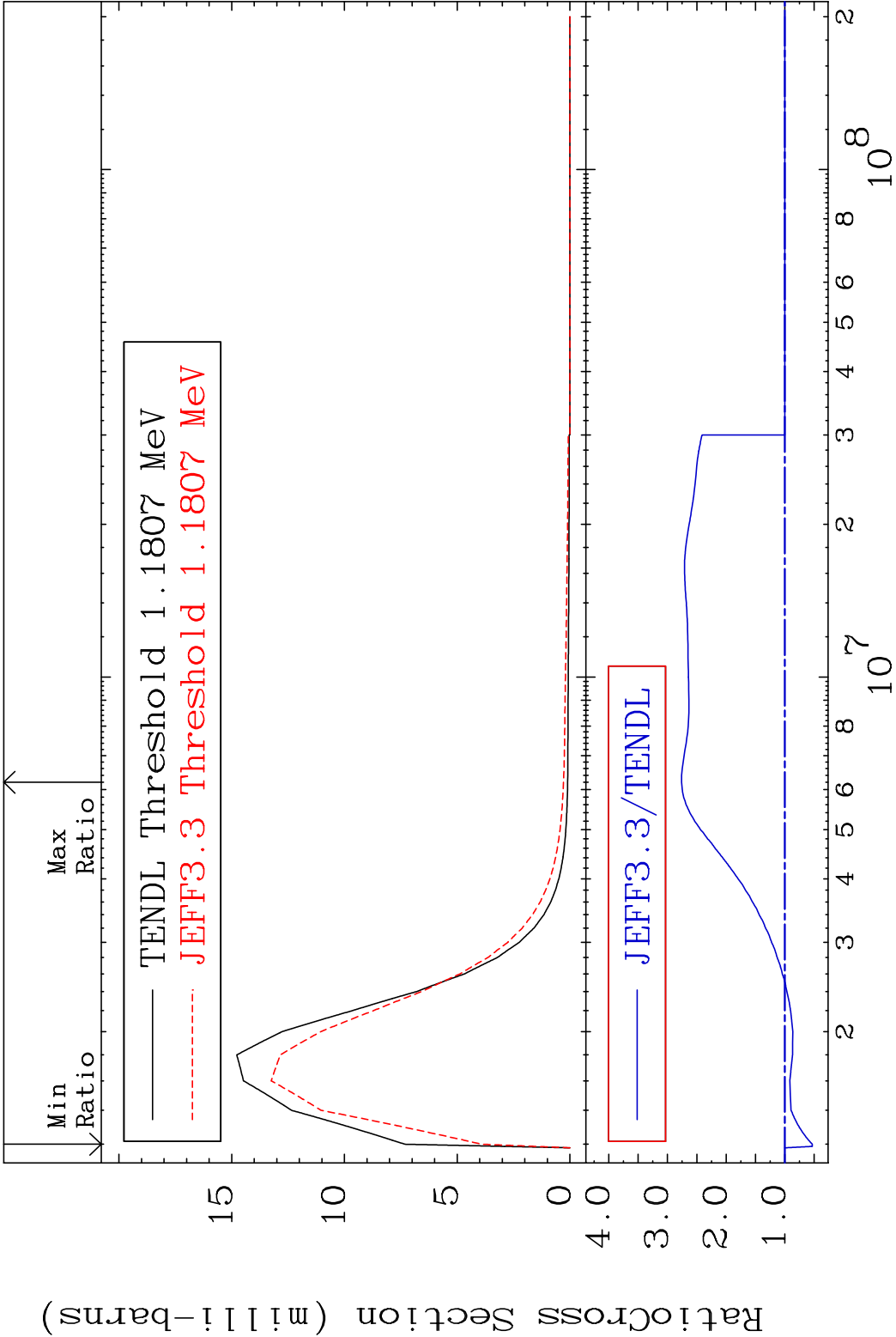
MAT 6234

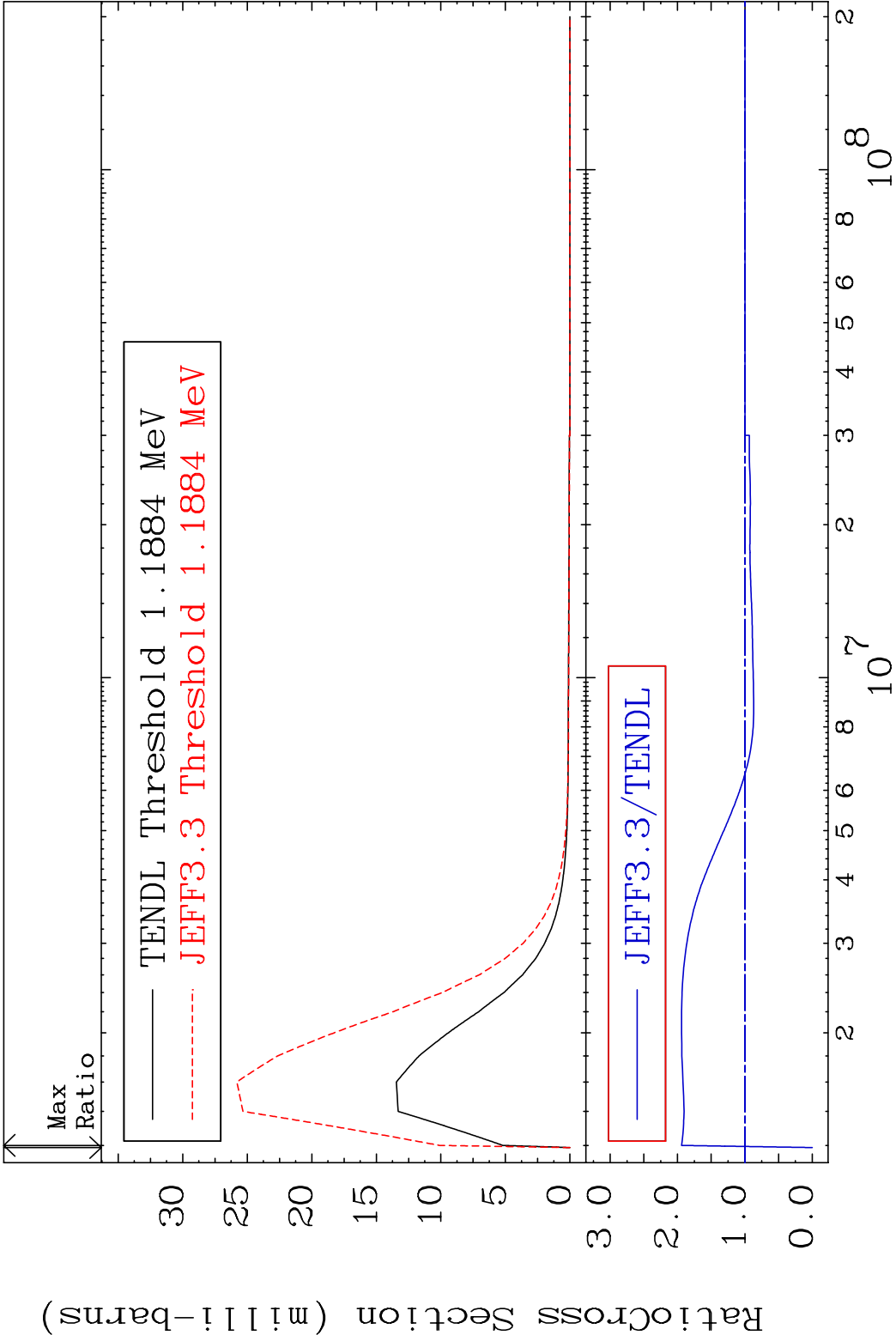
MT= 72 (n,n') Level

62-Sm-147

Cross Section

-46.66 To 176.0 %





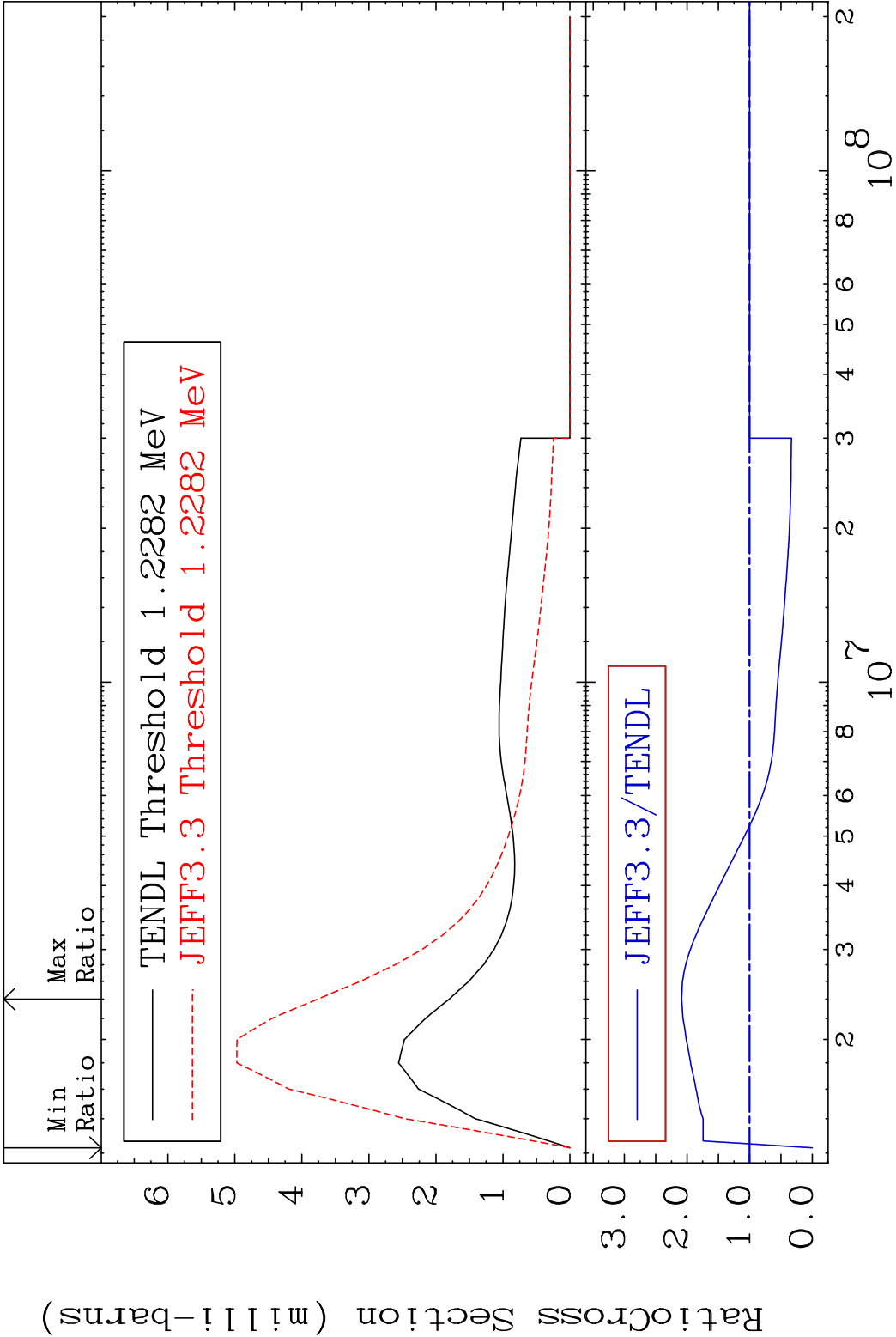
MAT 6234

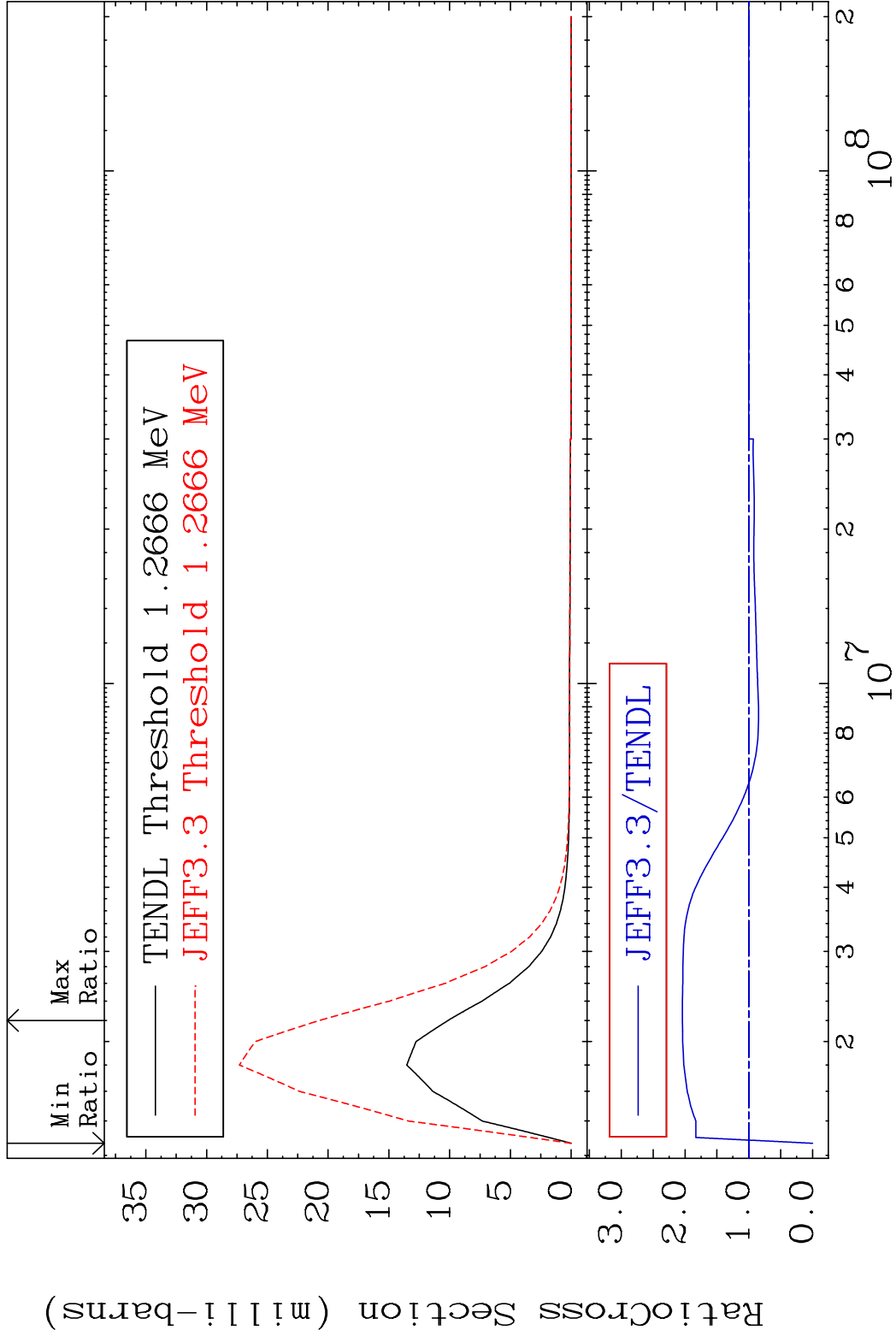
MT= 74 (n,n') Level

62-Sm-147

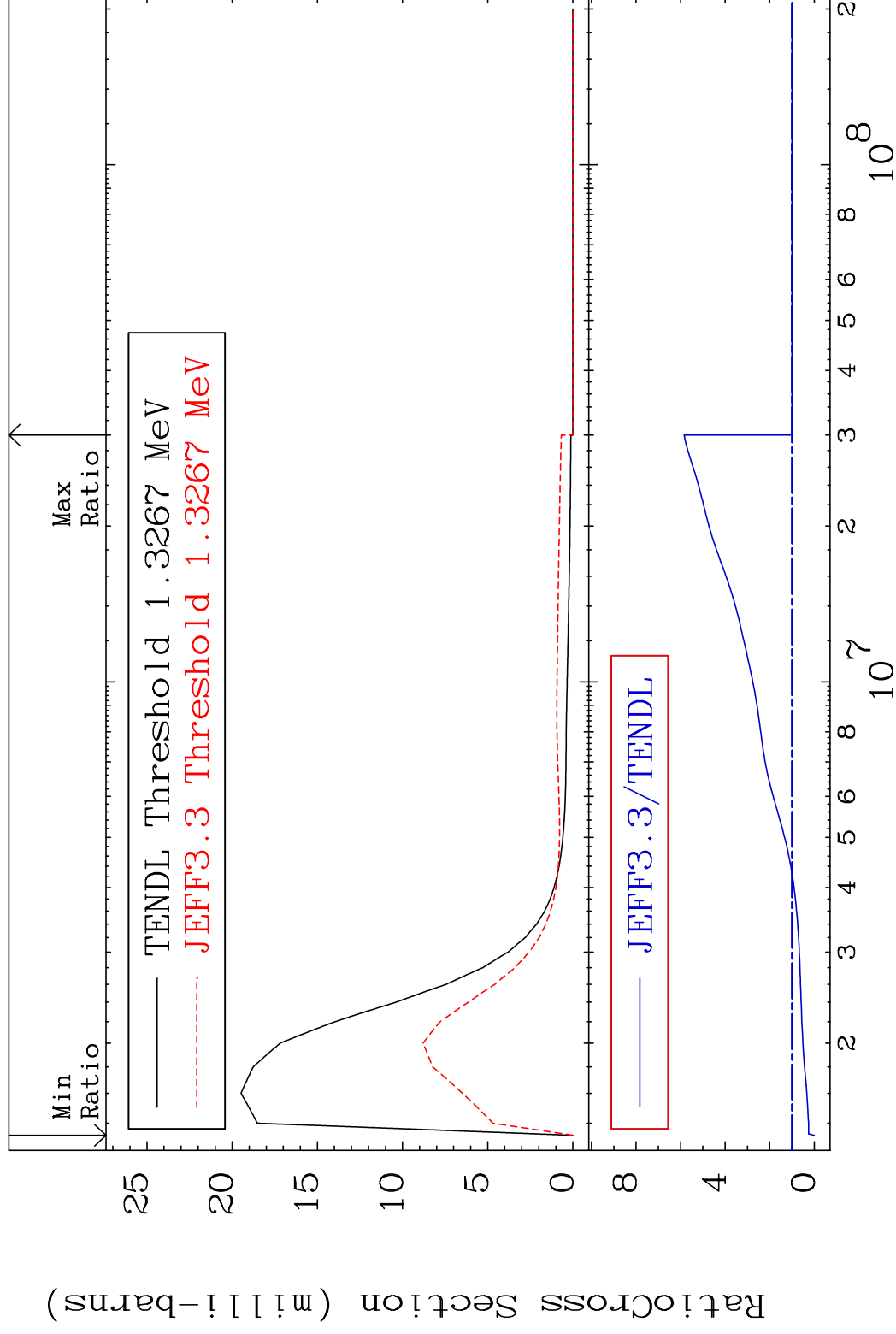
Cross Section

-100.0 To 108.8 %

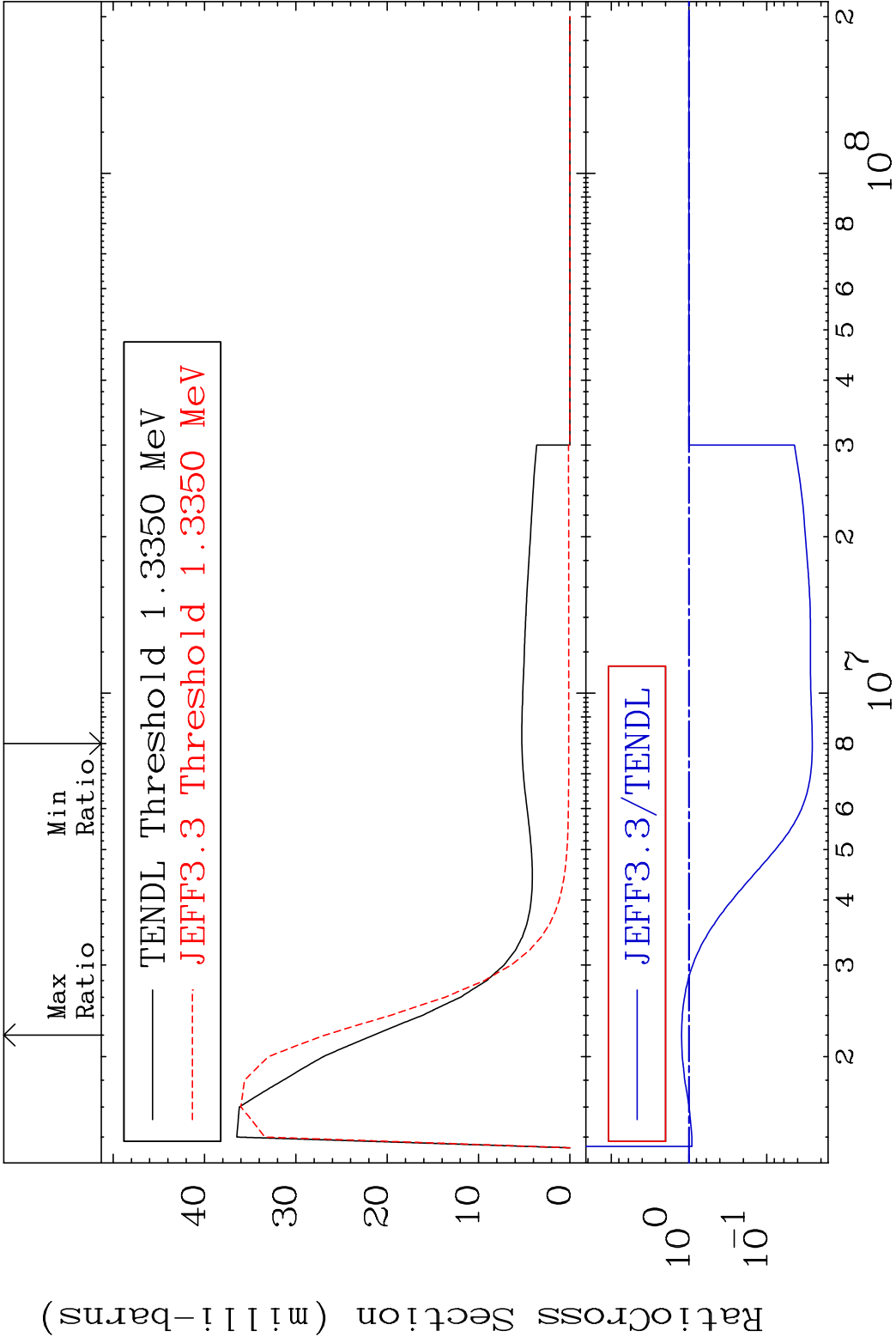




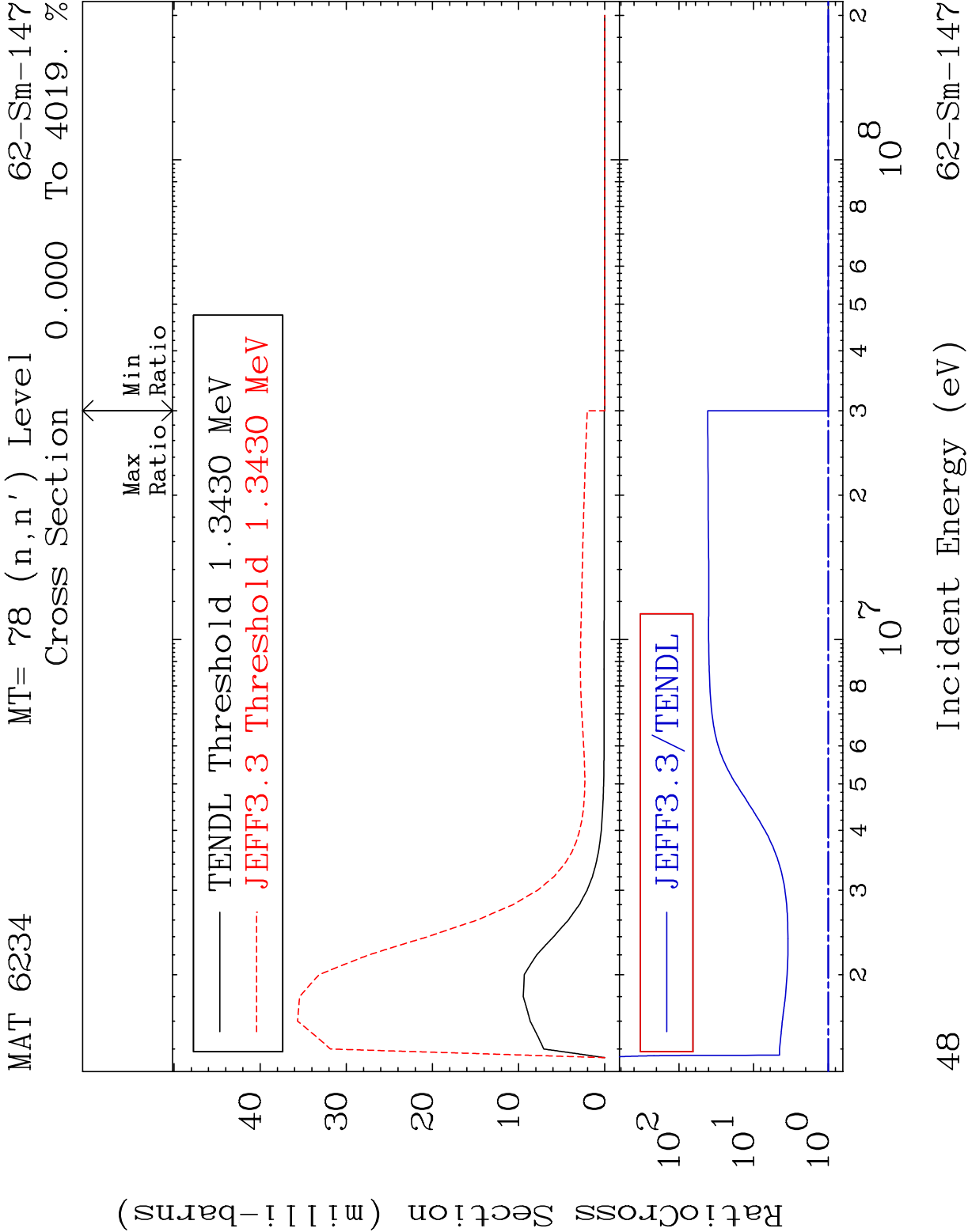
Cross Section

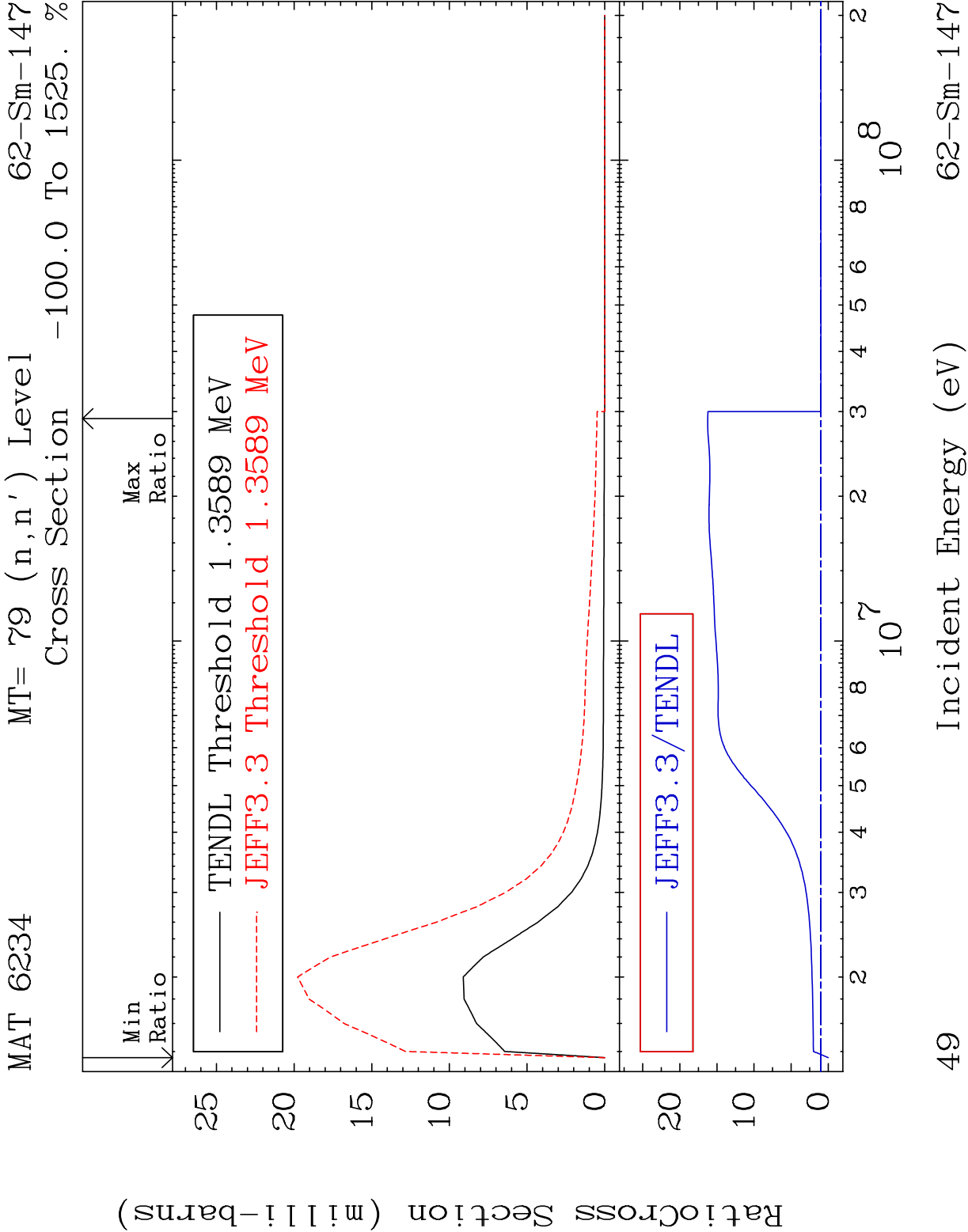


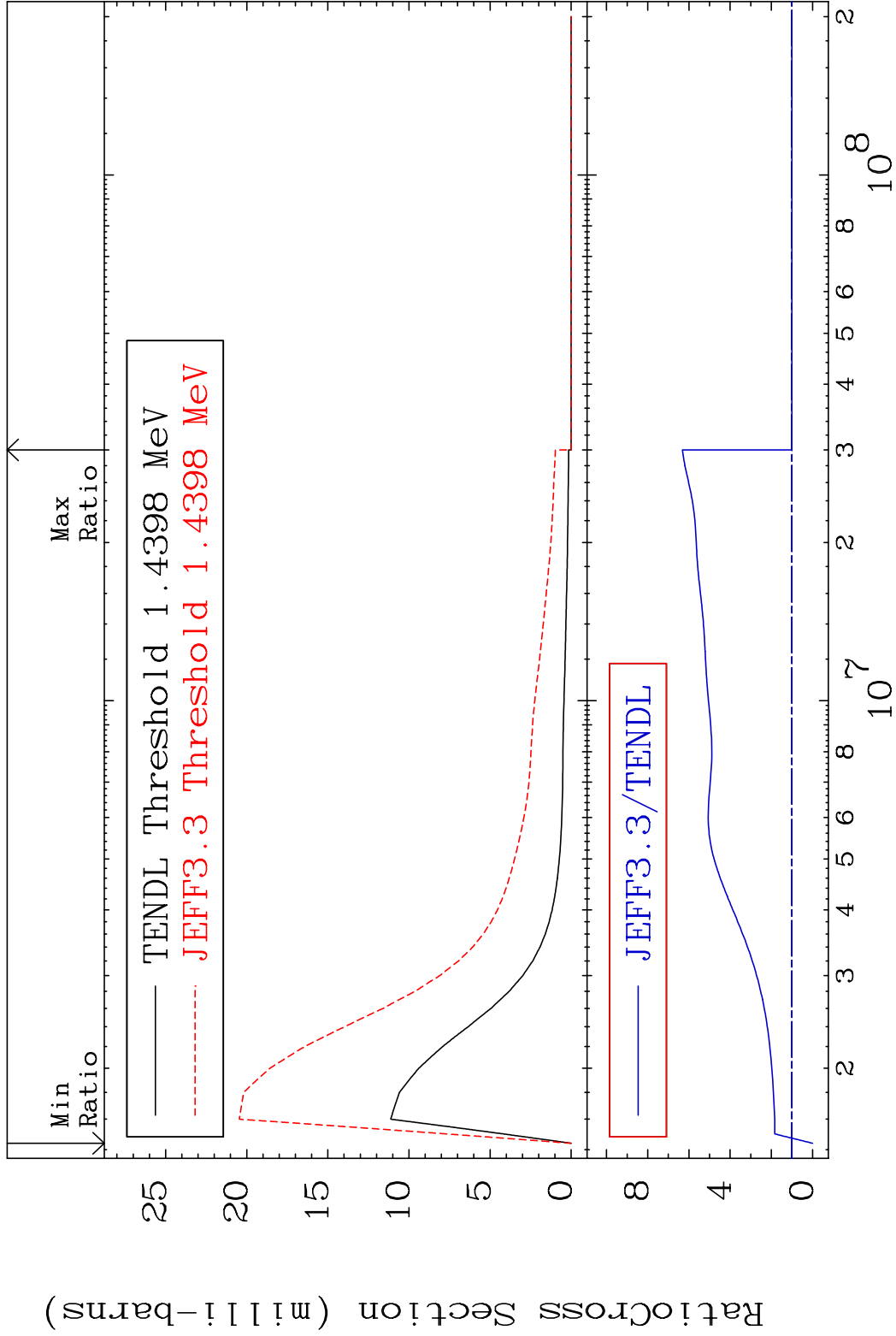
MAT 6234 MT= 77 (n,n') Level 62-Sm-147
Cross Section -97.41 To 24.64 %

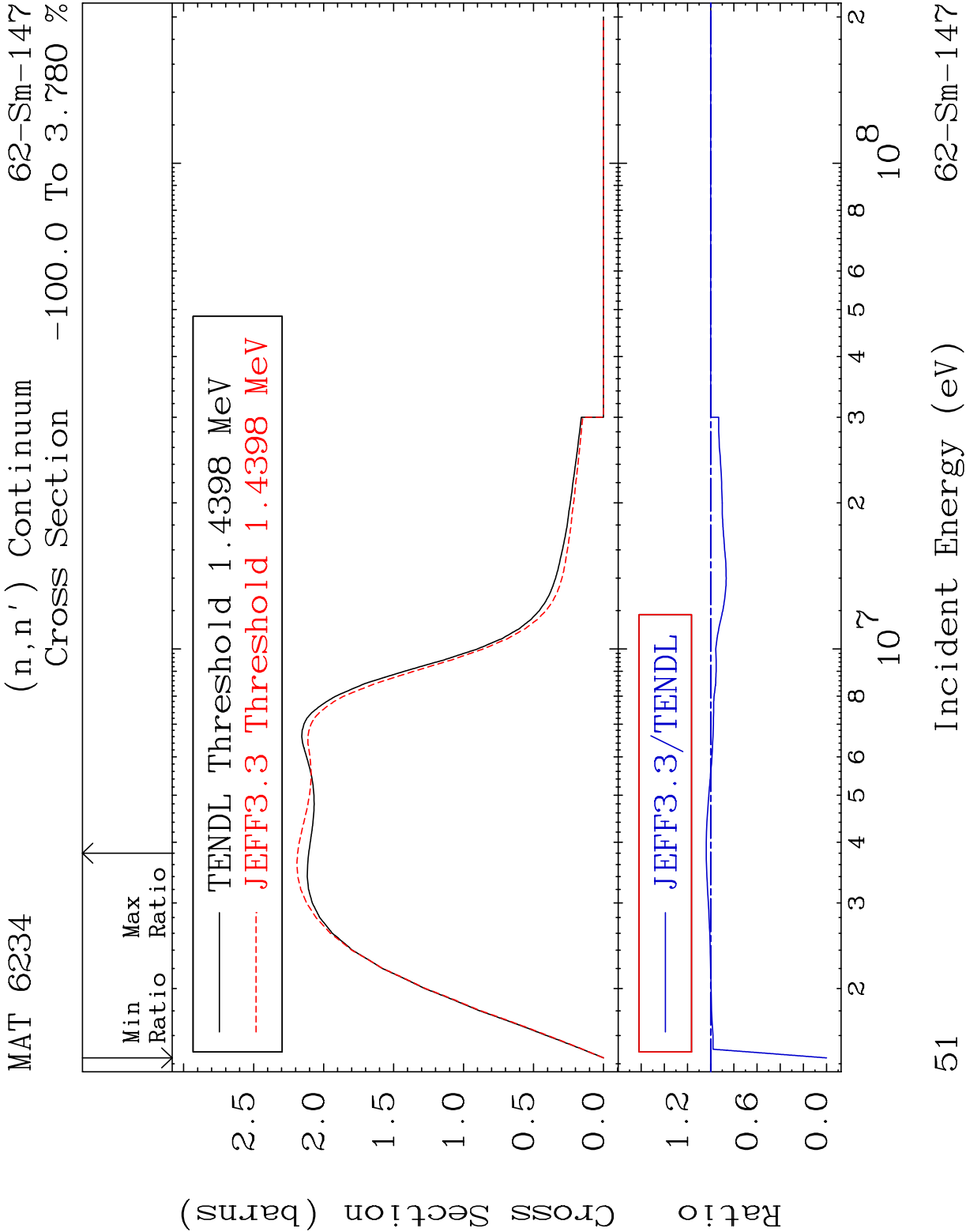


47 Incident Energy (eV) 62-Sm-147







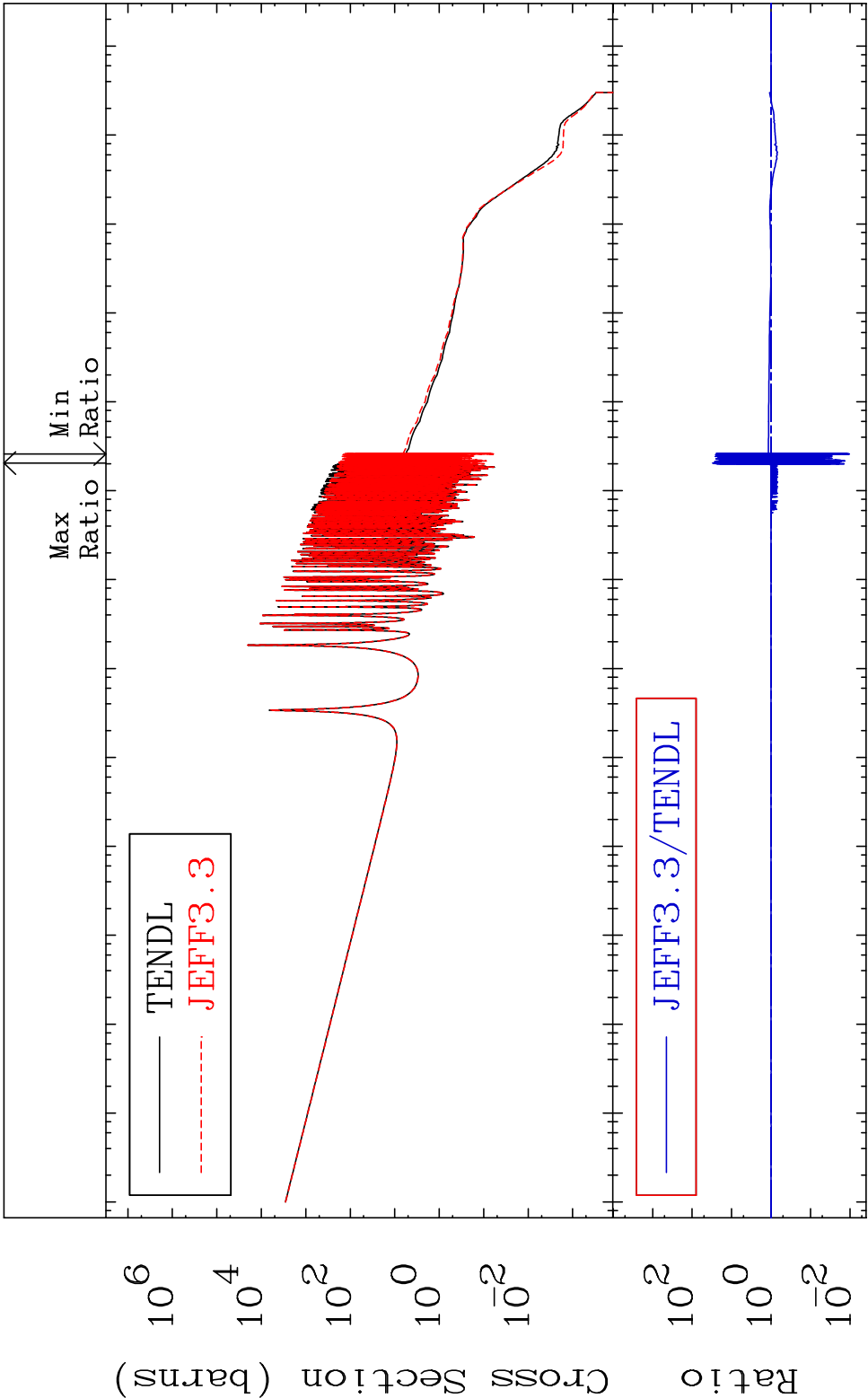


MAT 6234

(n, γ)

62-Sm-147

Cross Section -98.97 To 2886. %



52

Incident Energy (eV)

62-Sm-147

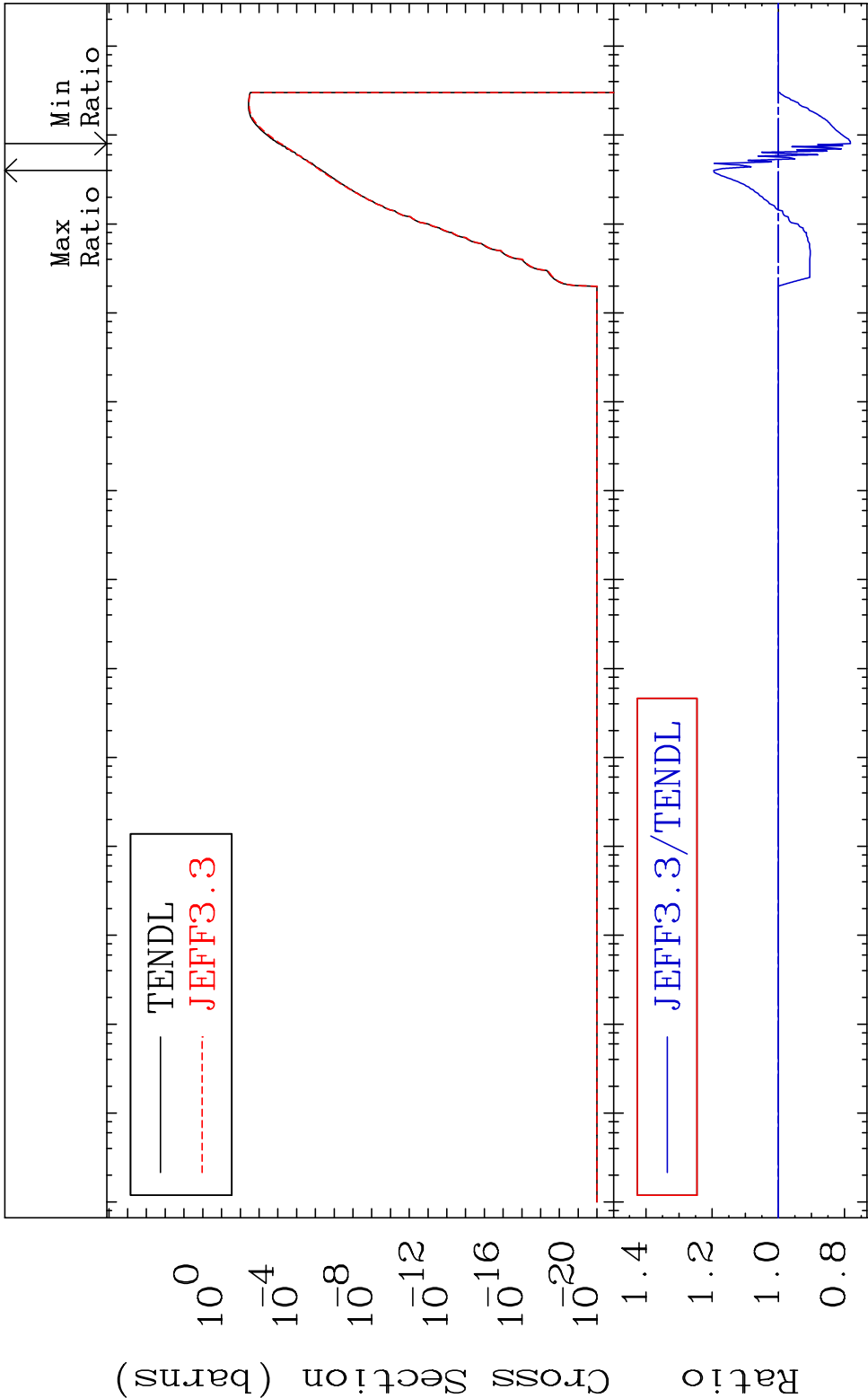
MAT 6234

(n,p)

62-Sm-147

Cross Section

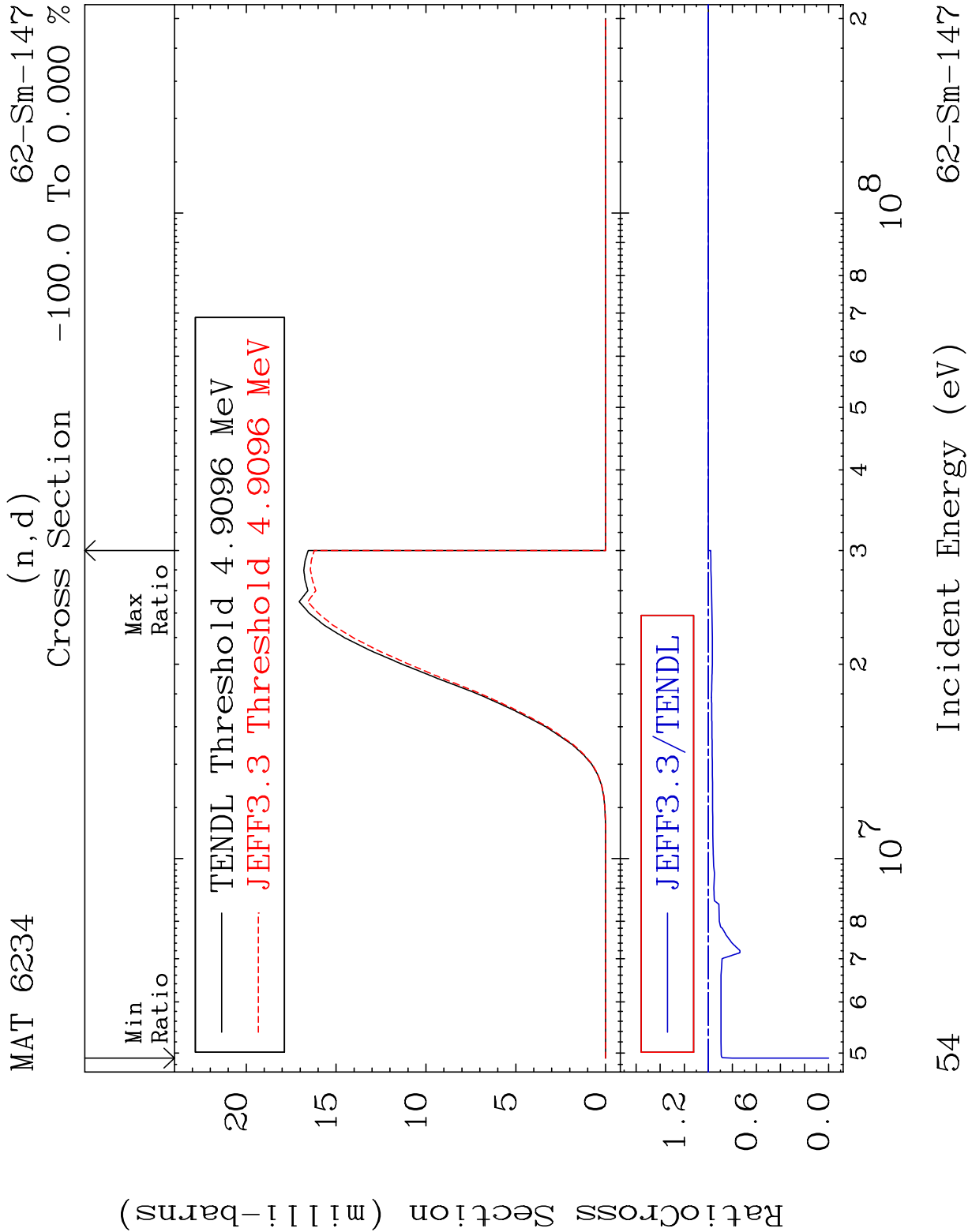
-21.76 To 19.54 %

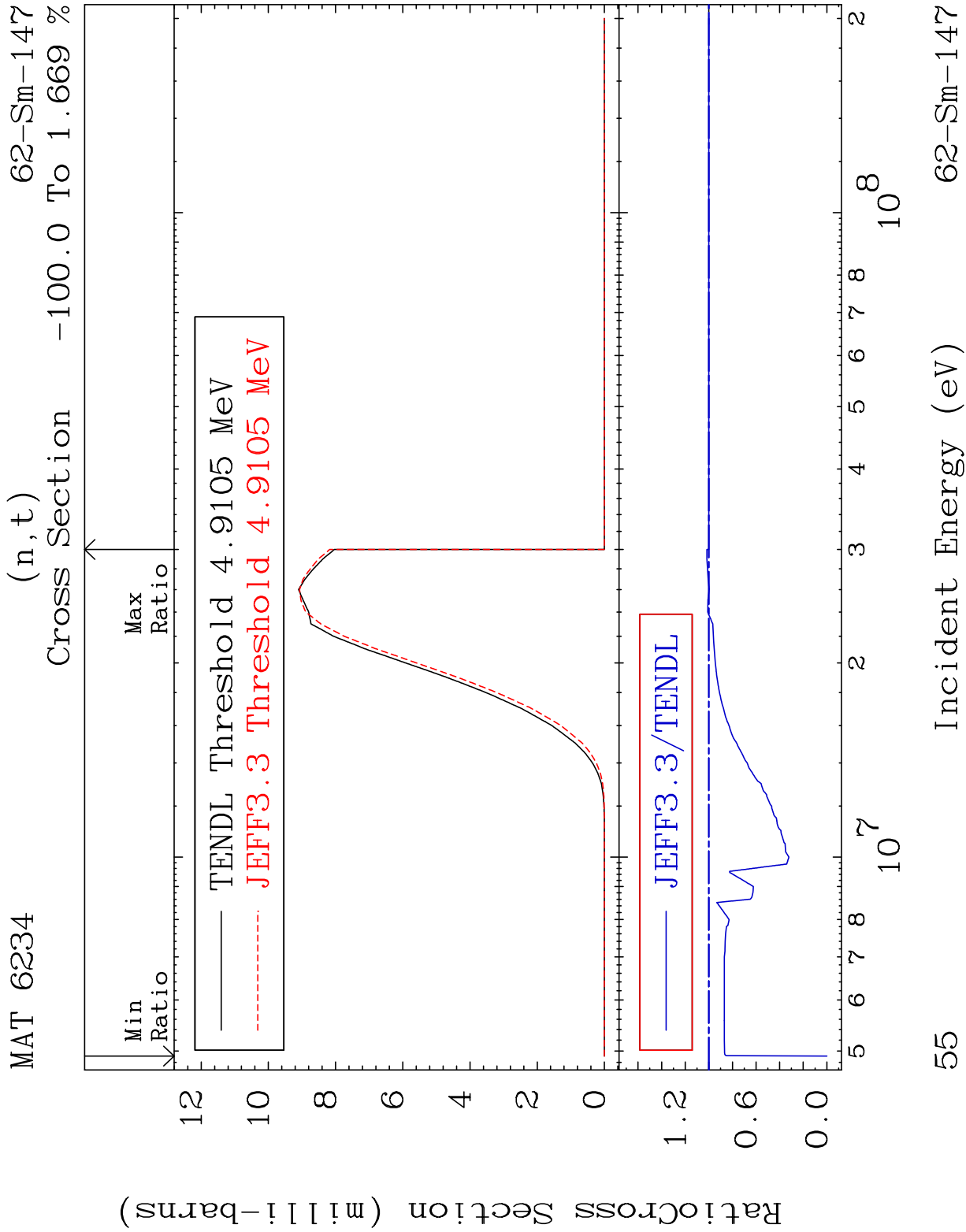


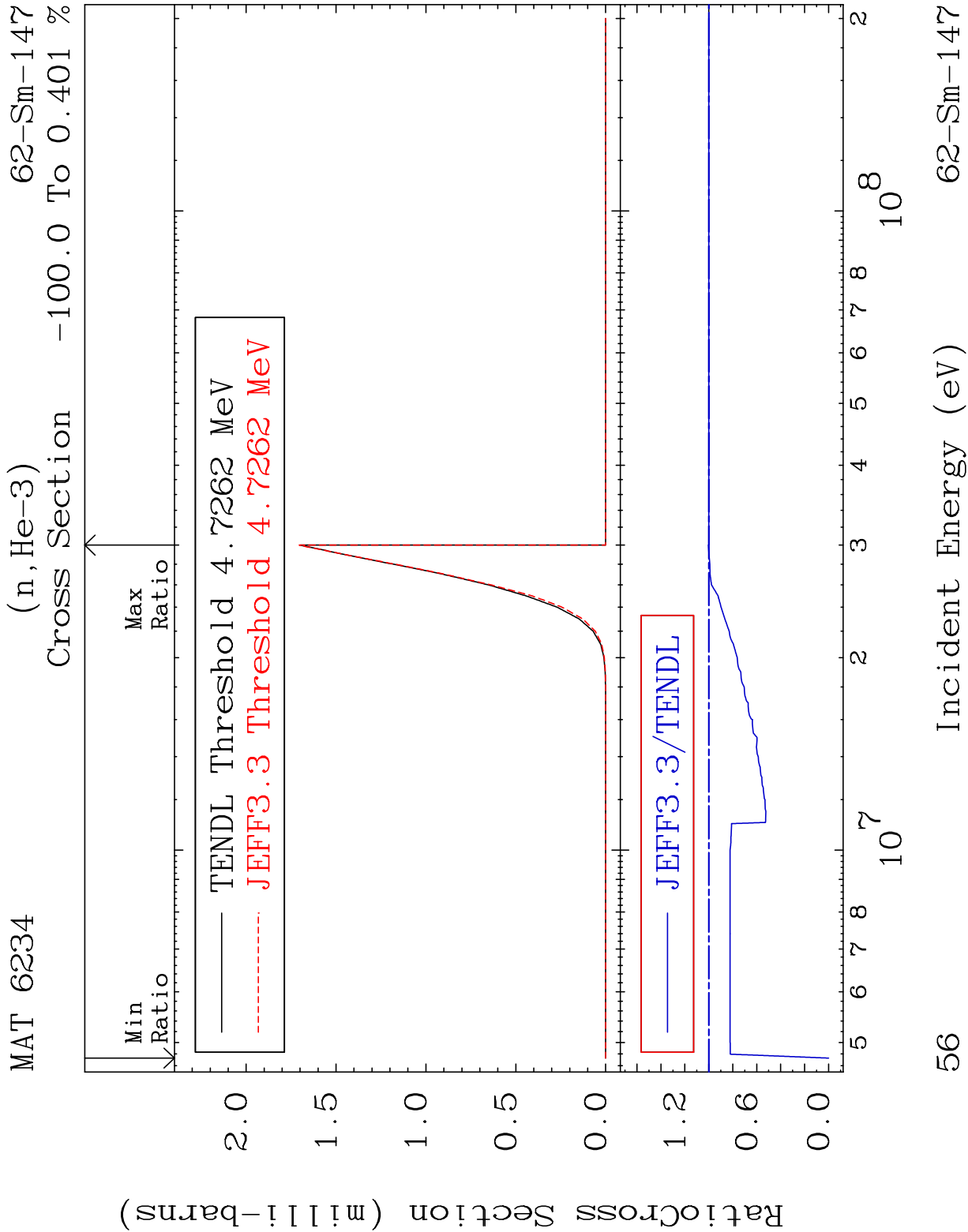
53

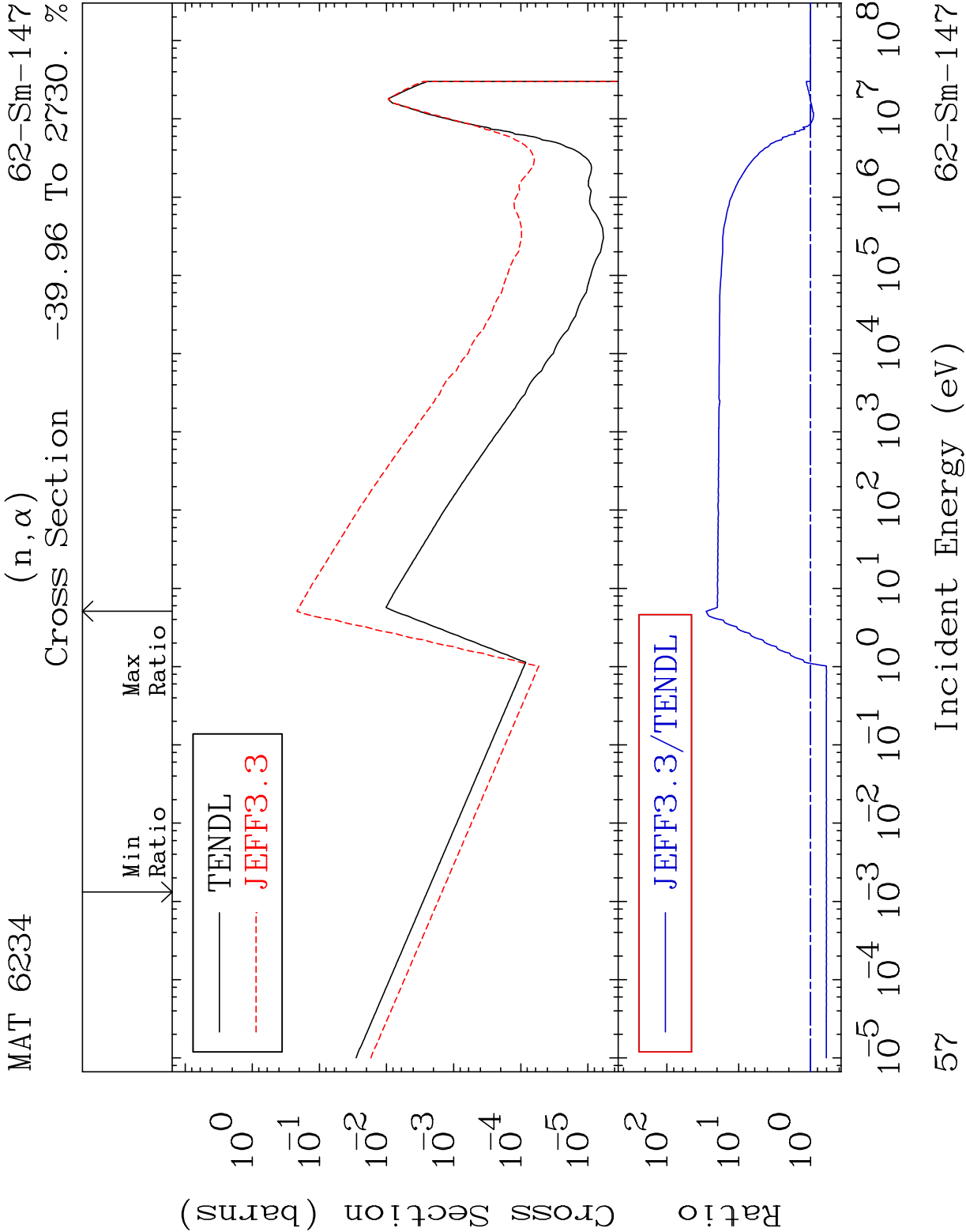
Incident Energy (eV)

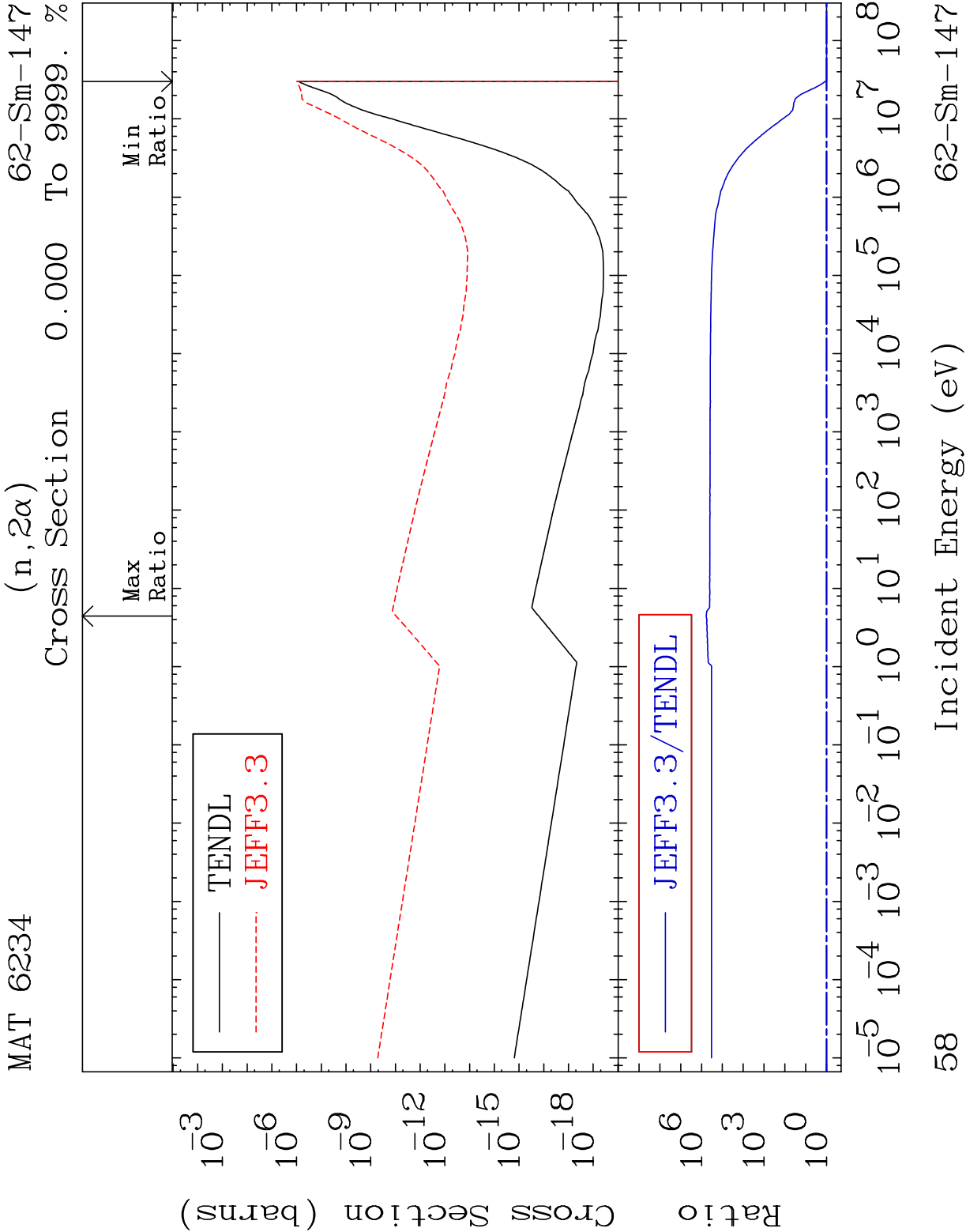
62-Sm-147

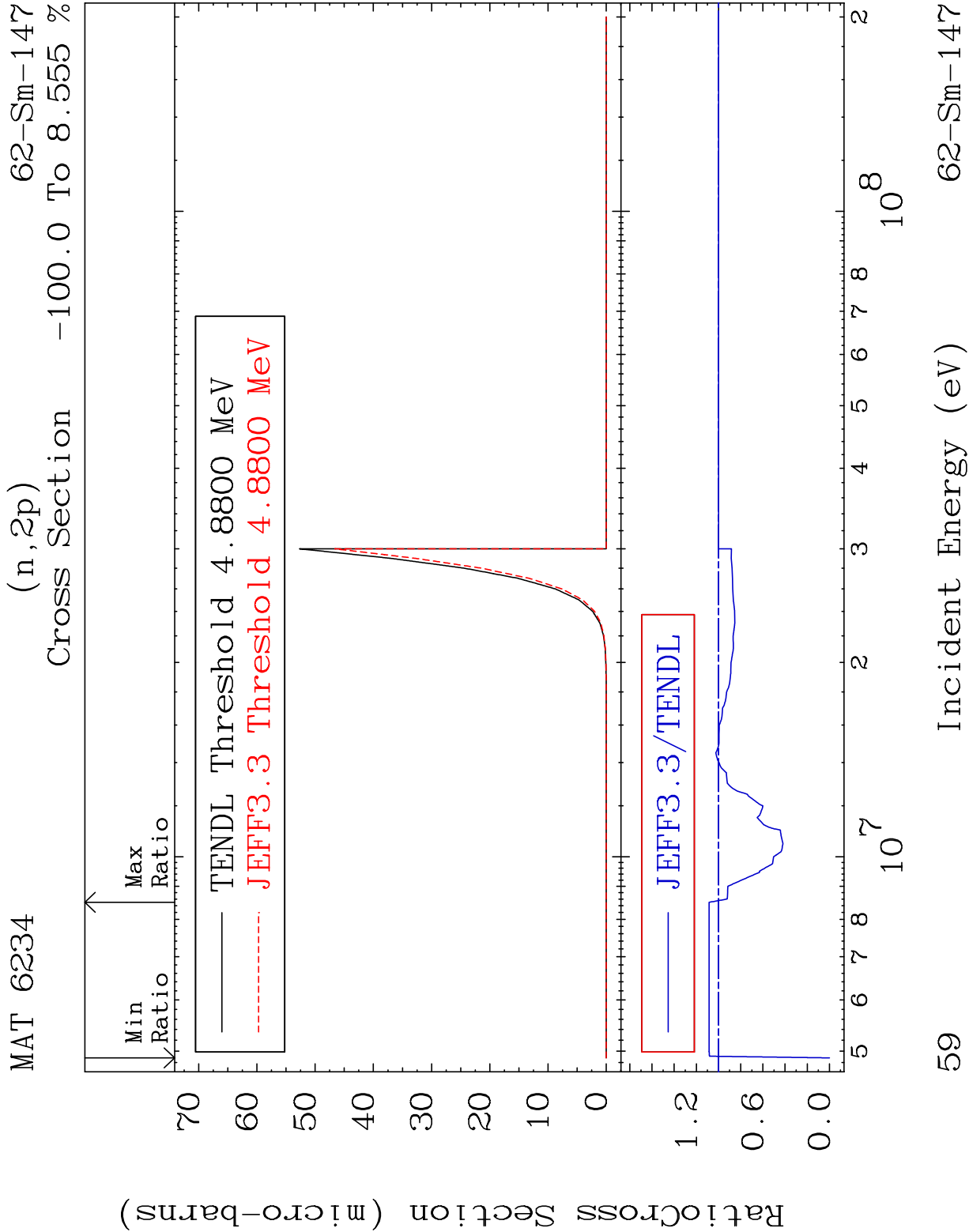


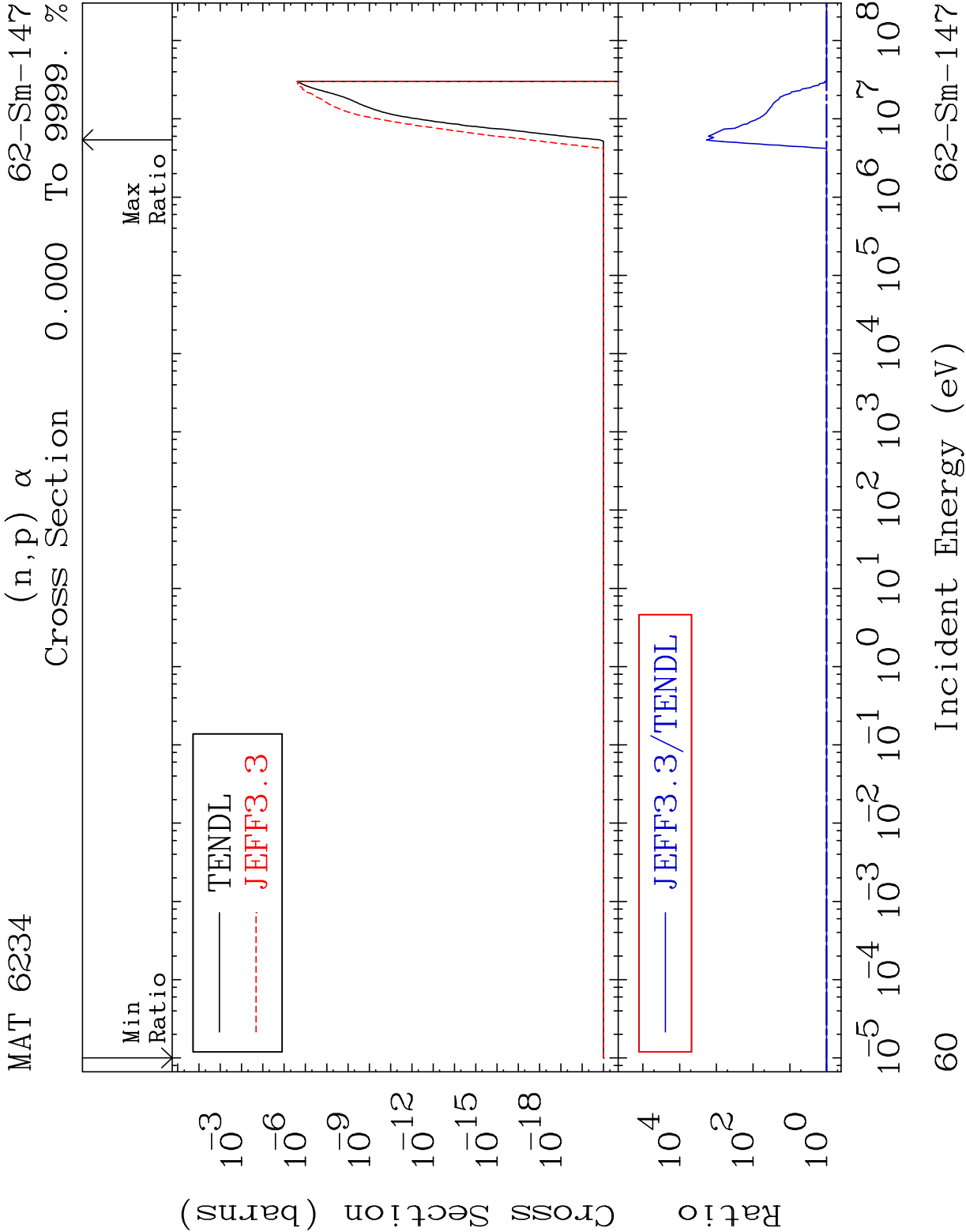










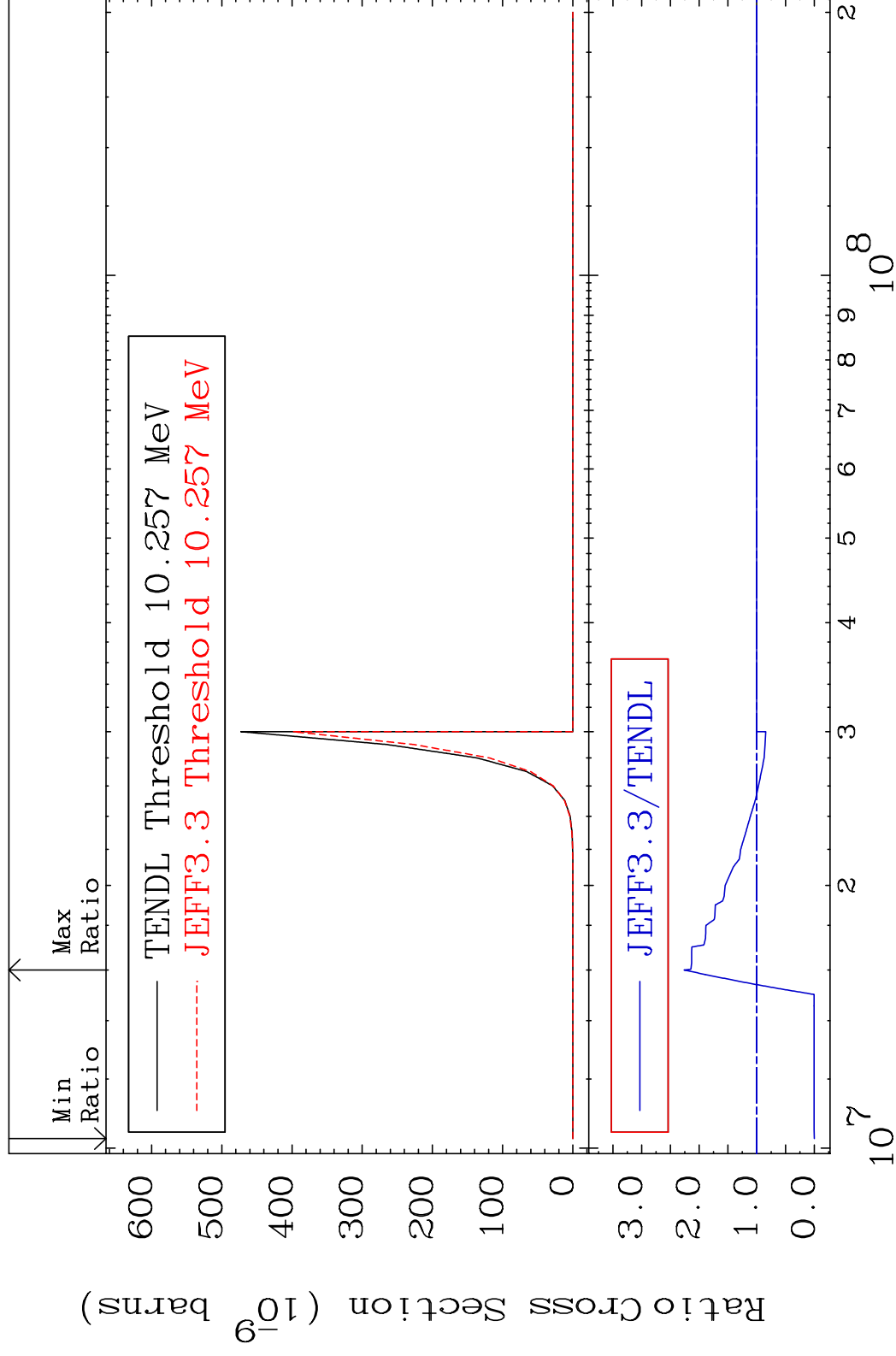


MAT 6234

$$(n, p)$$

62-Sm-147

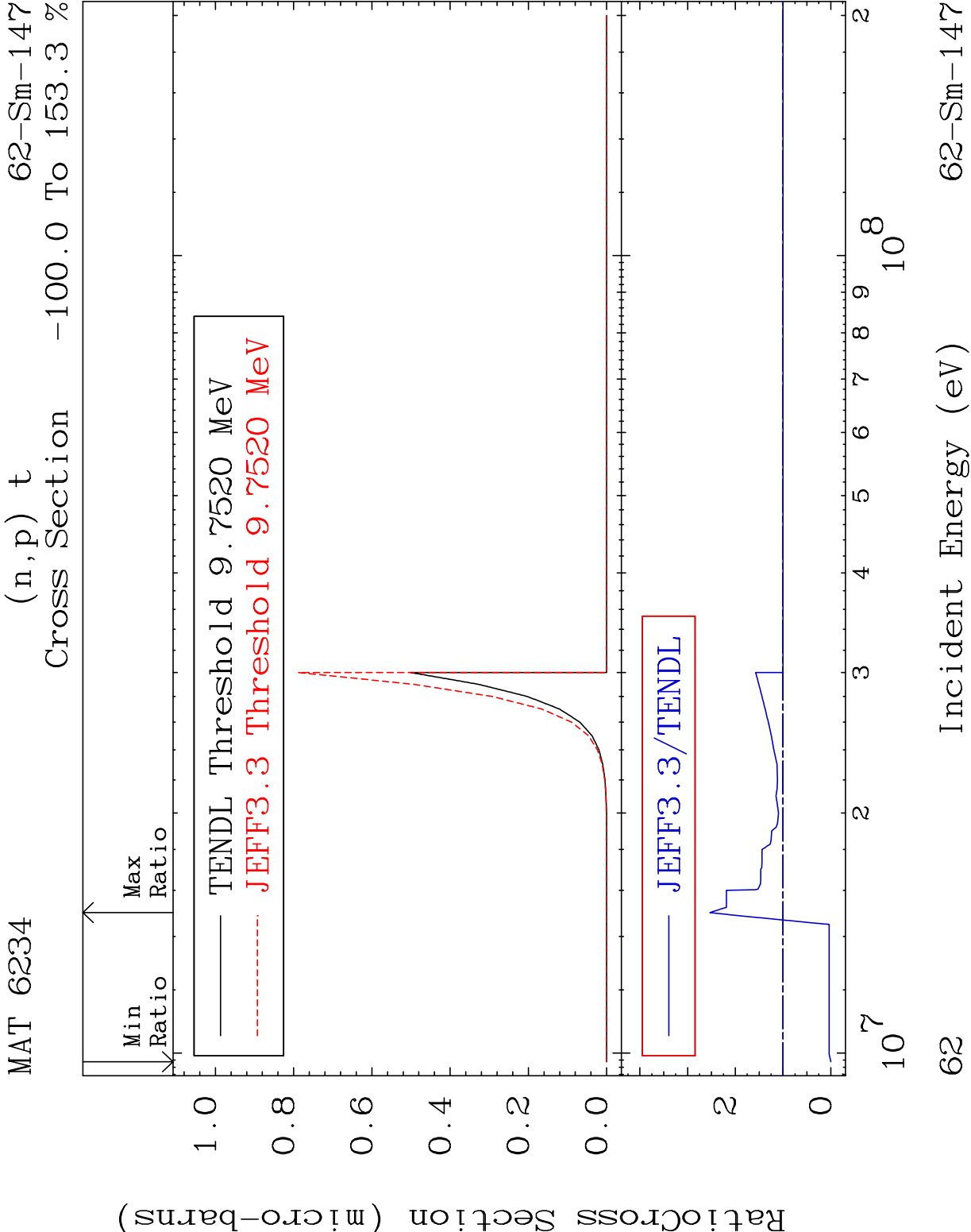
Cross Section



19

Incident Energy (eV)

62-Sm-147

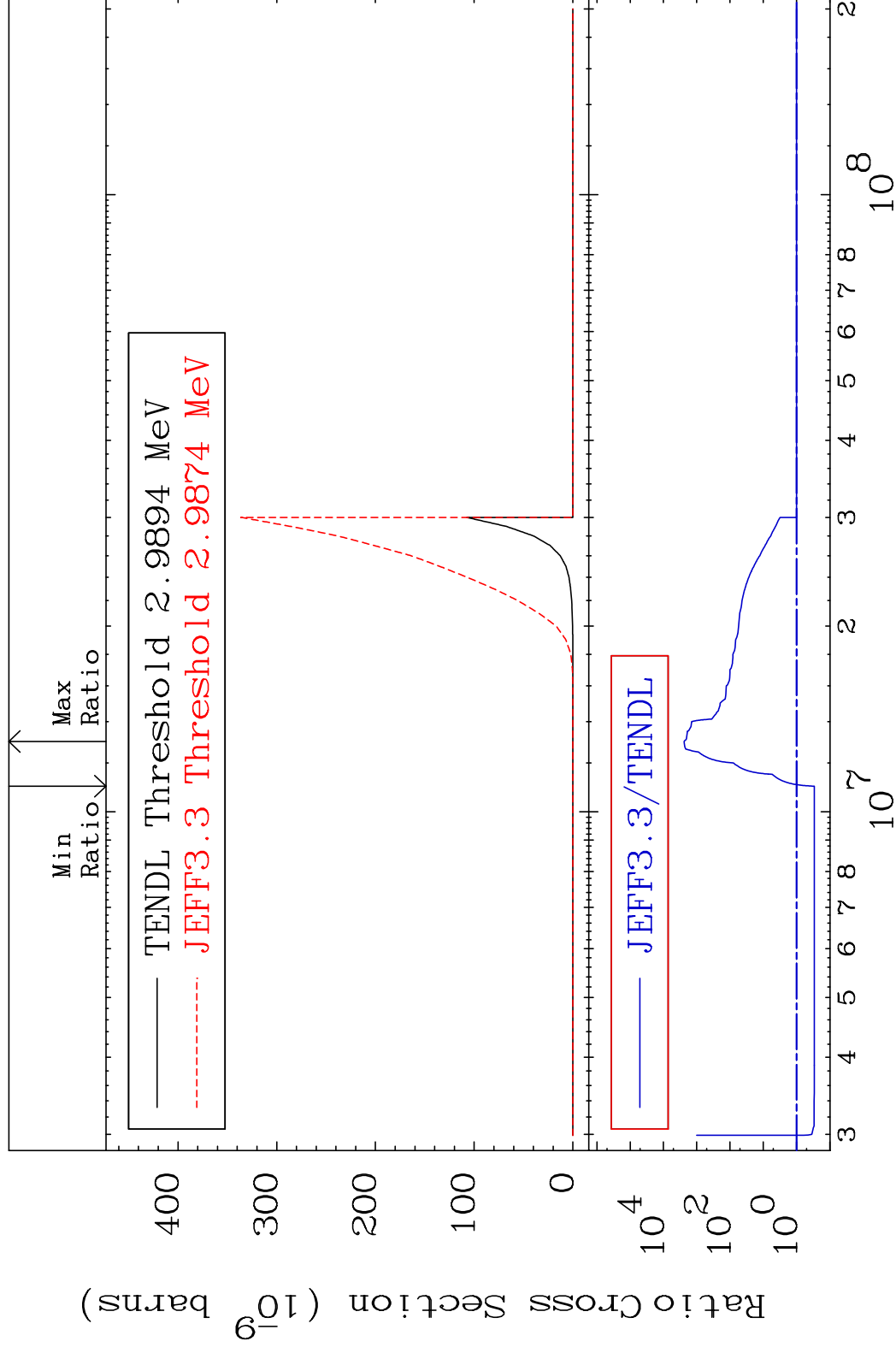


MAT 6234

 $(n, d) \propto$

62-Sm-147

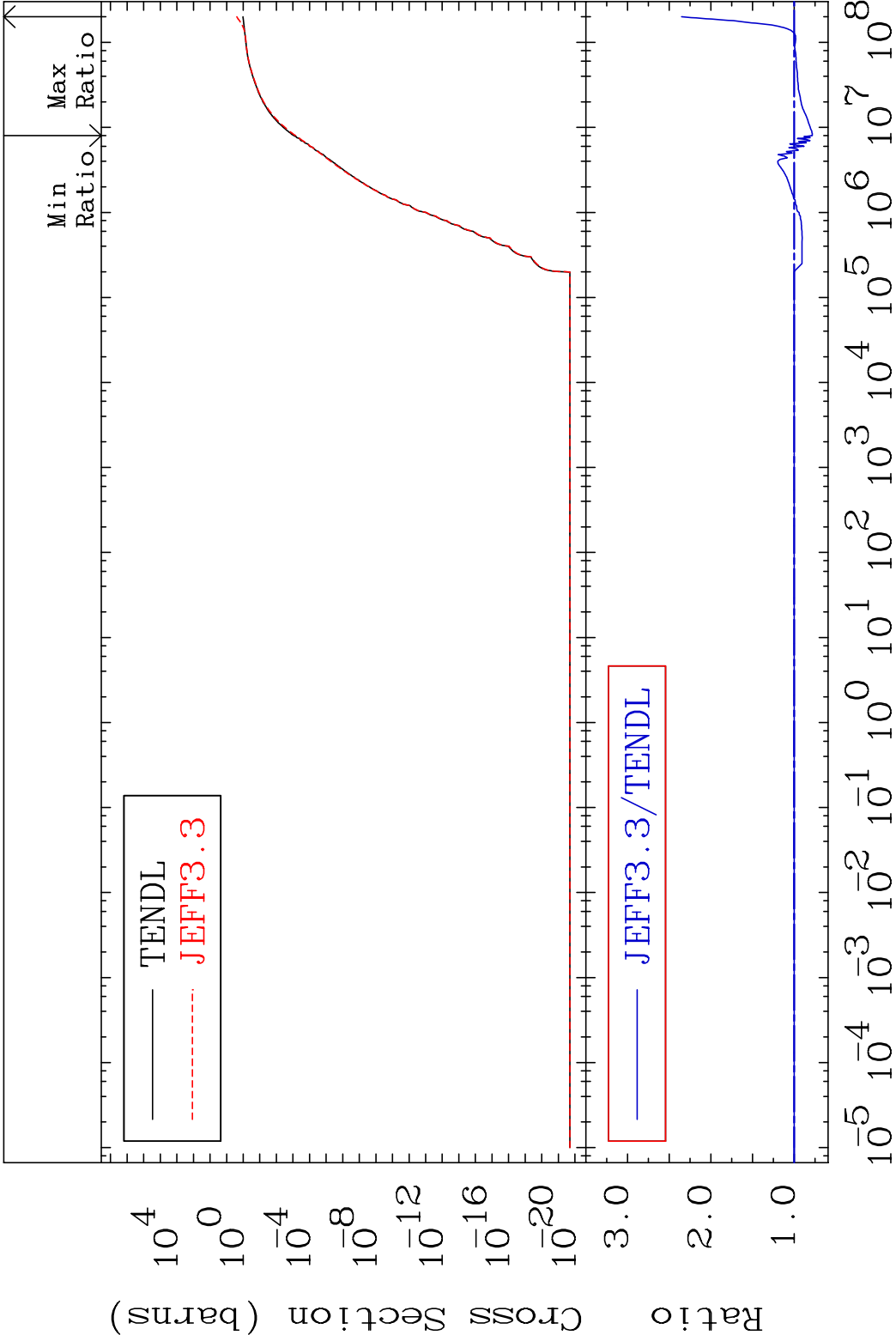
Cross Section -70.82 To 9999. %

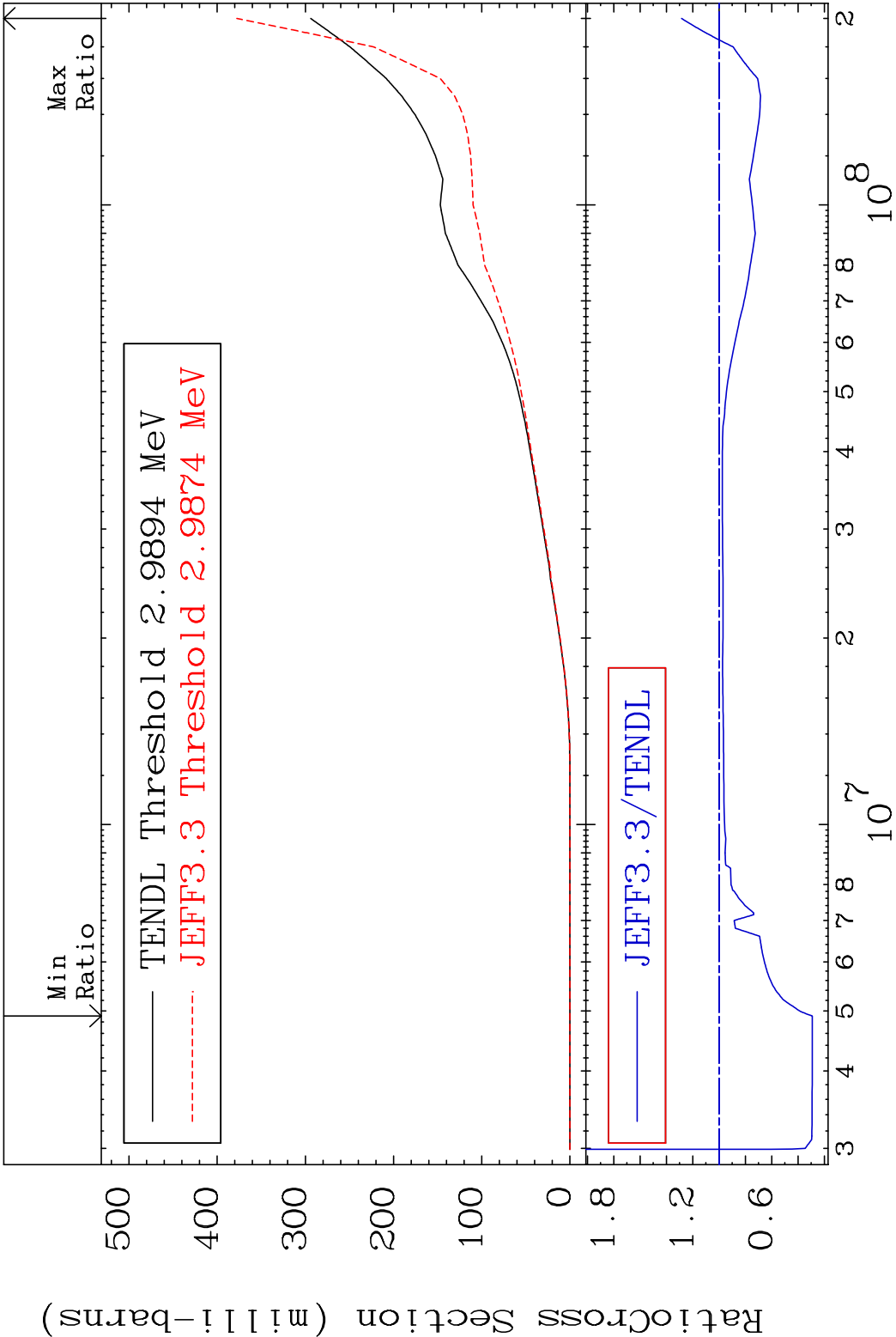


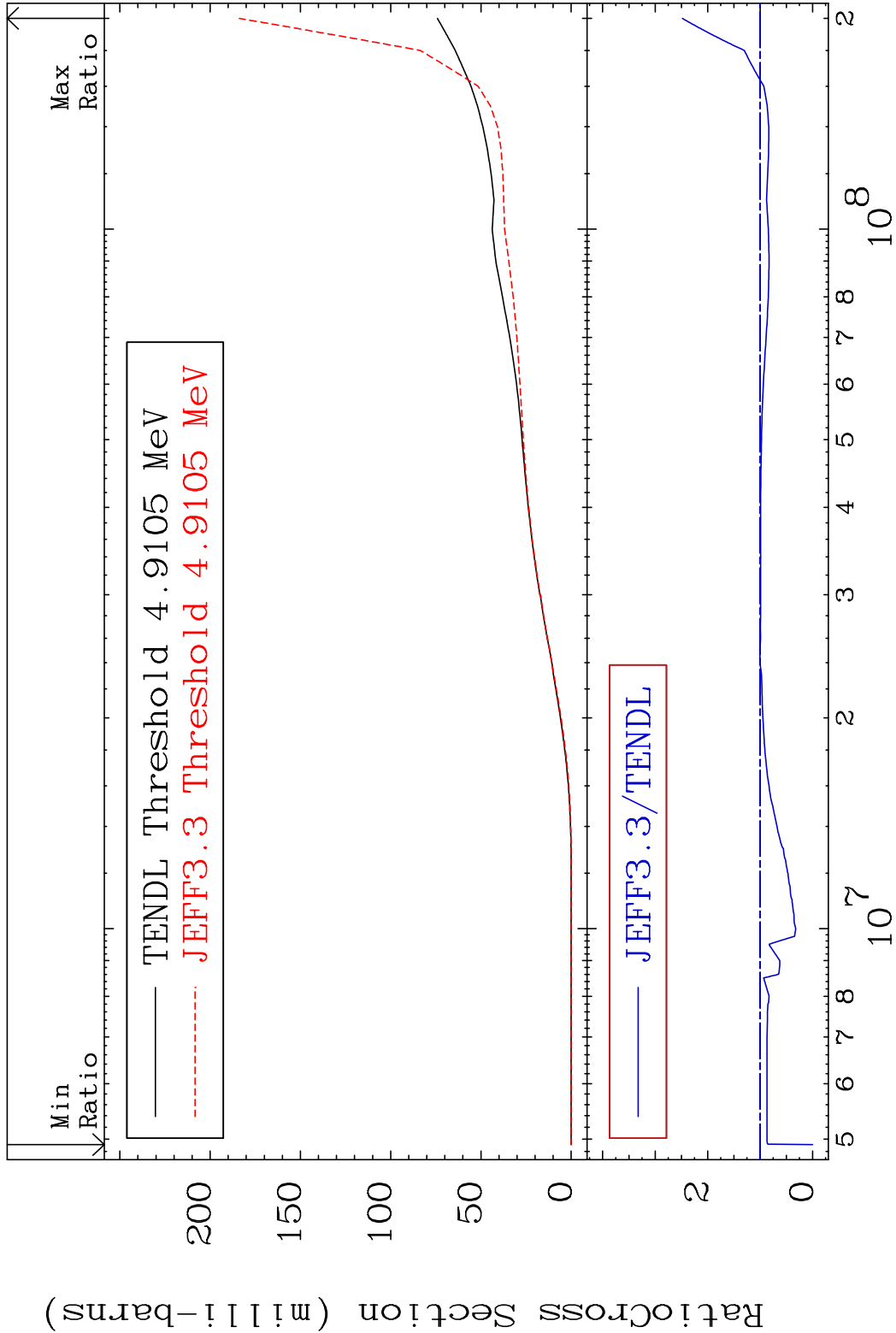
36

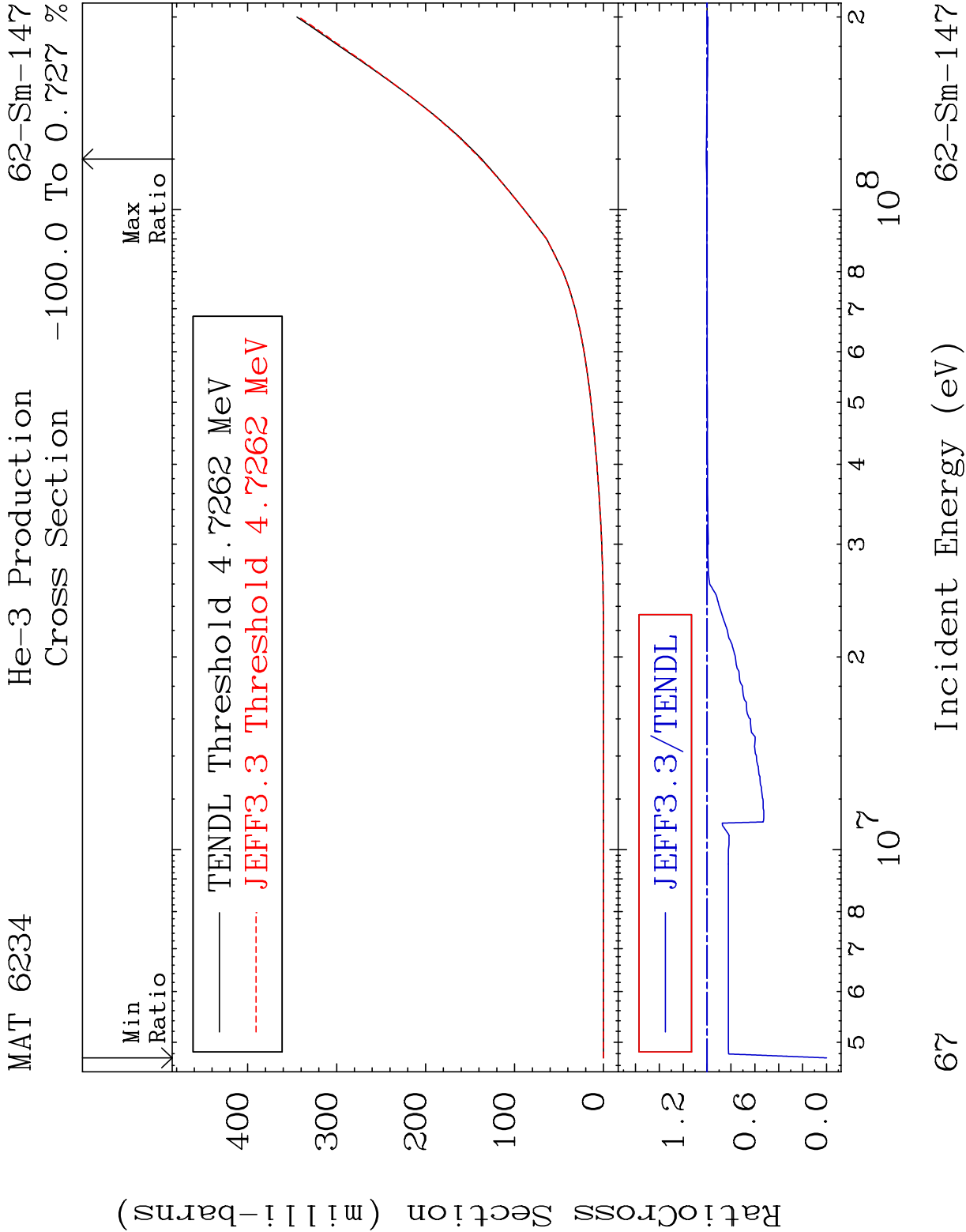
Incident Energy (eV)

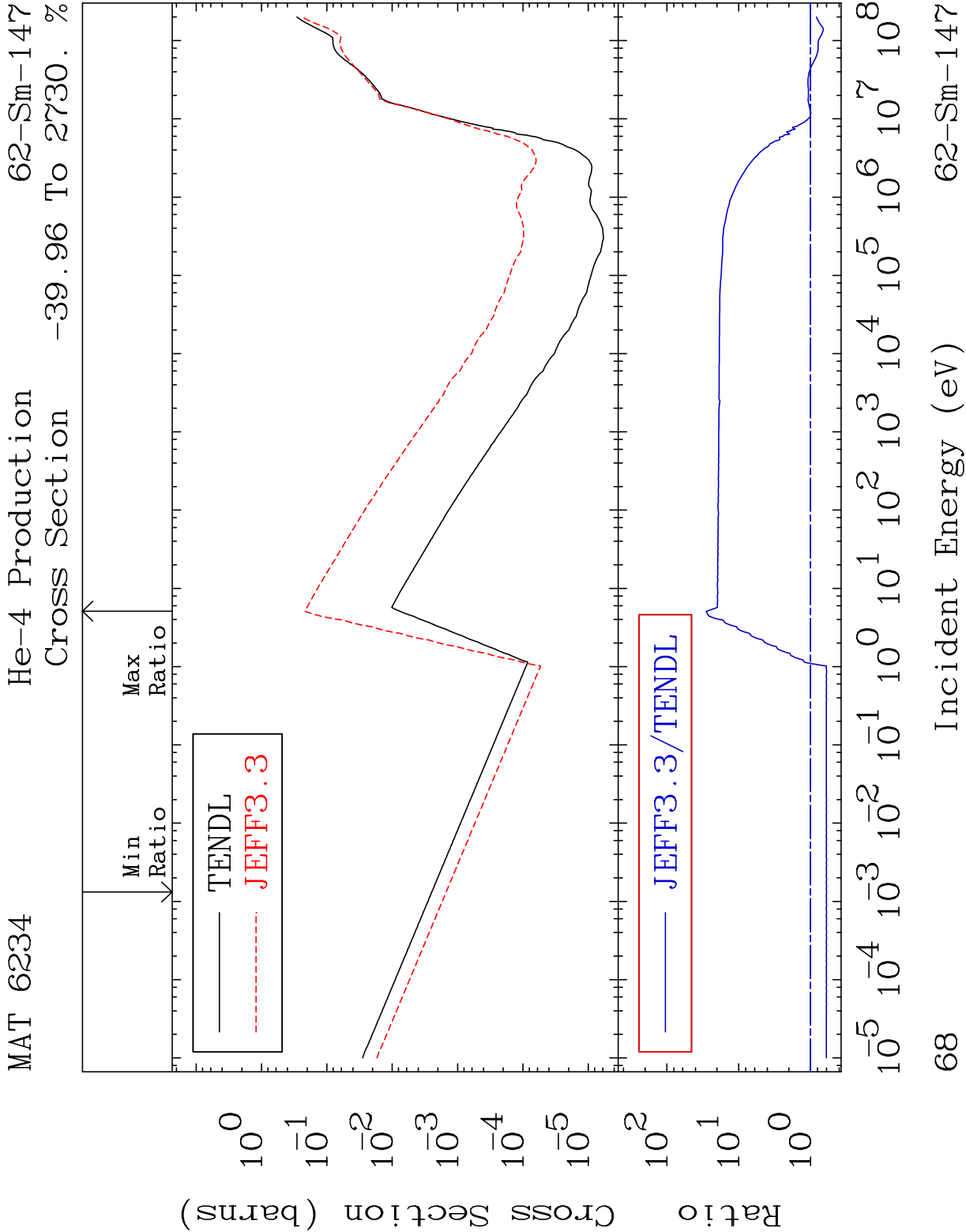
62-Sm-147



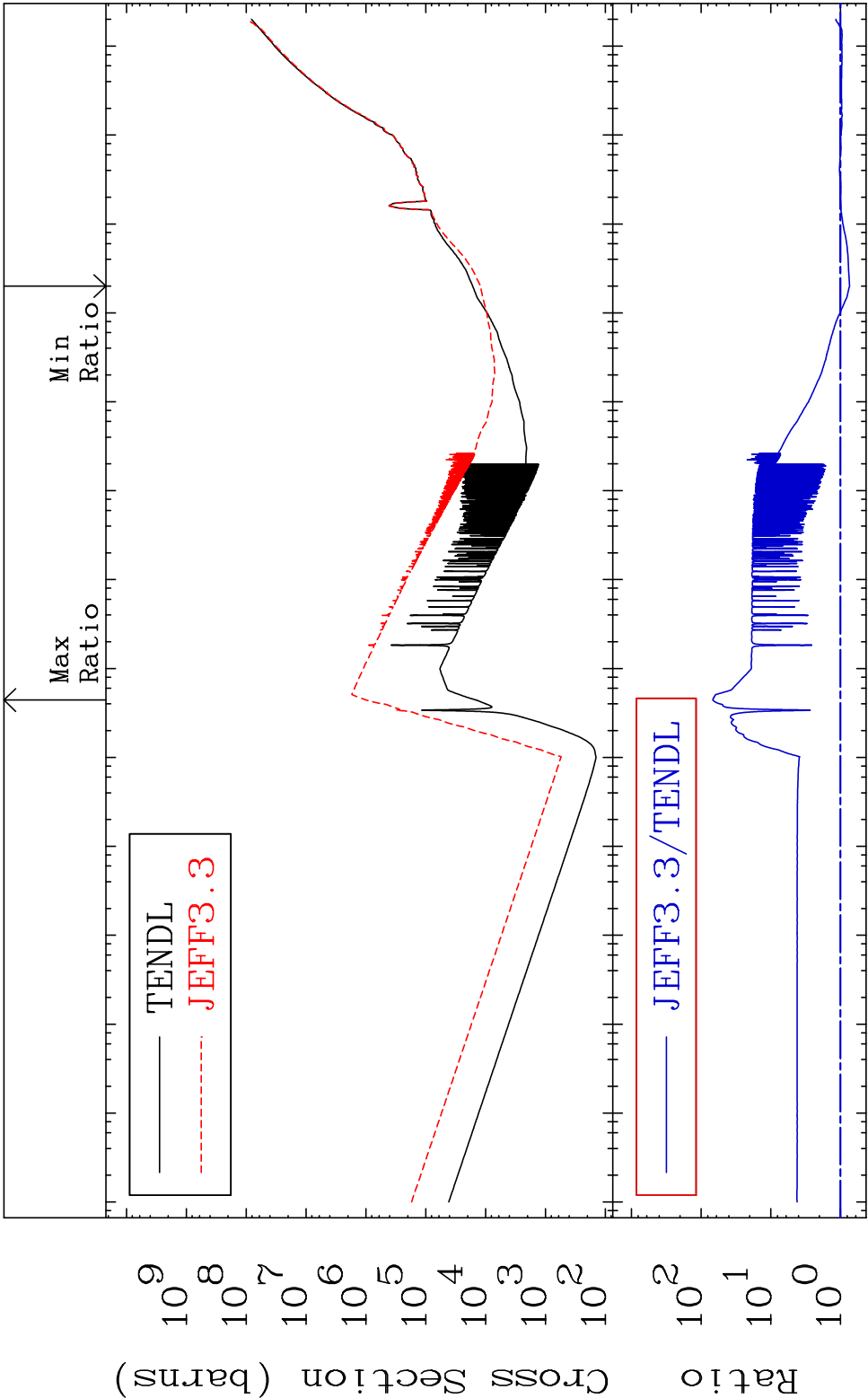




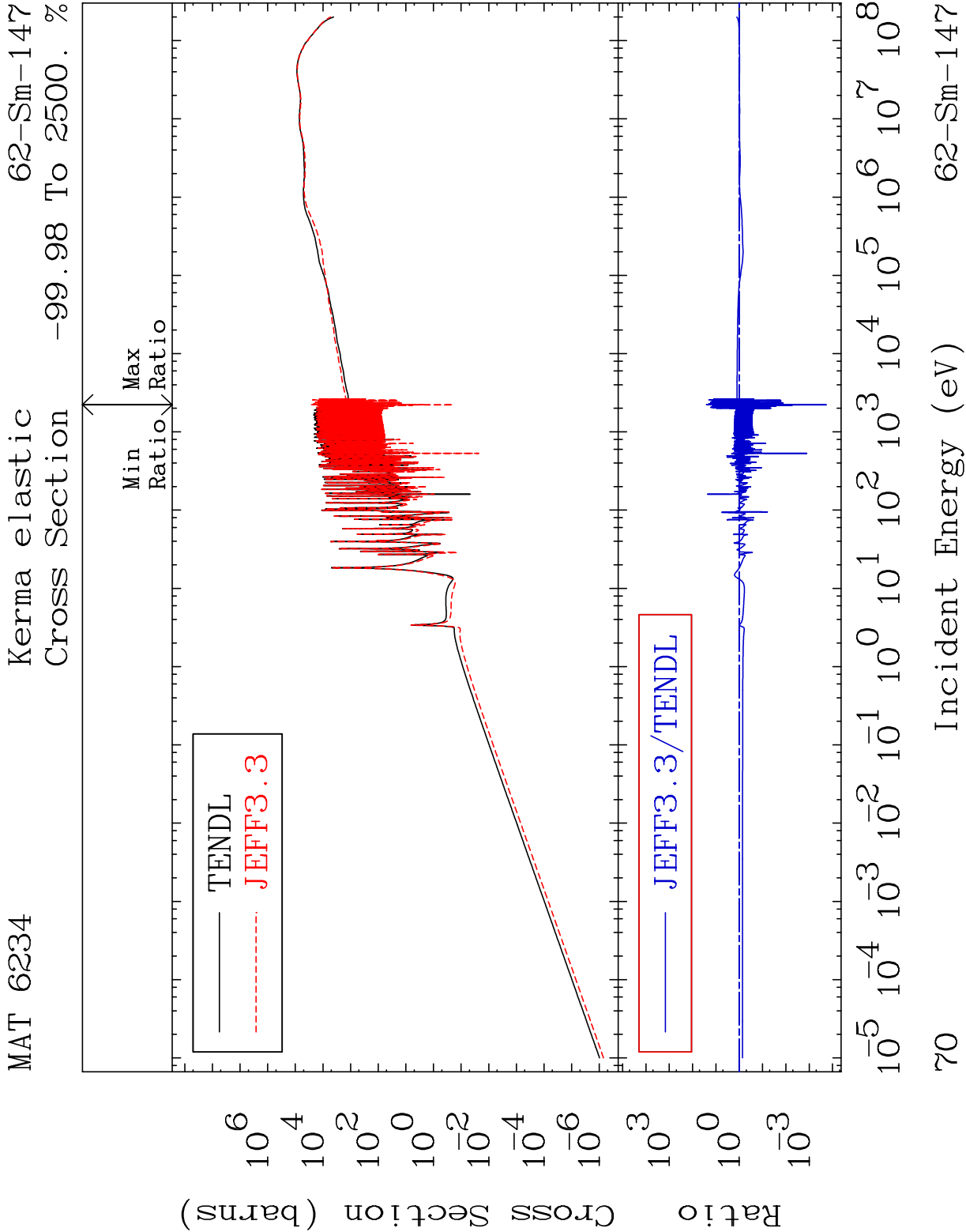




MAT 6234 Kerma total (eV-barns) 62-Sm-147
Cross Section -25.89 To 6683. %

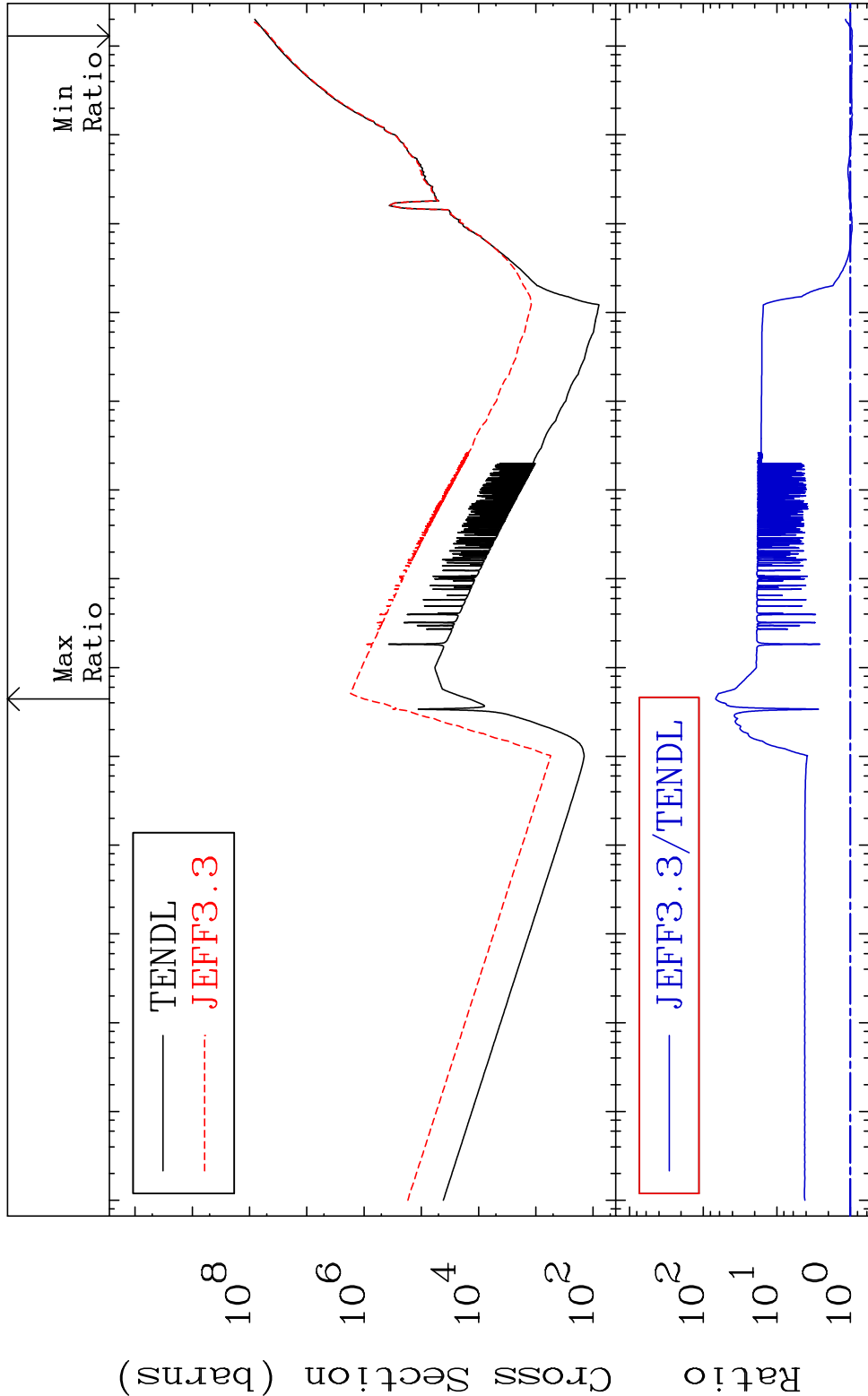


69 Incident Energy (eV) 62-Sm-147

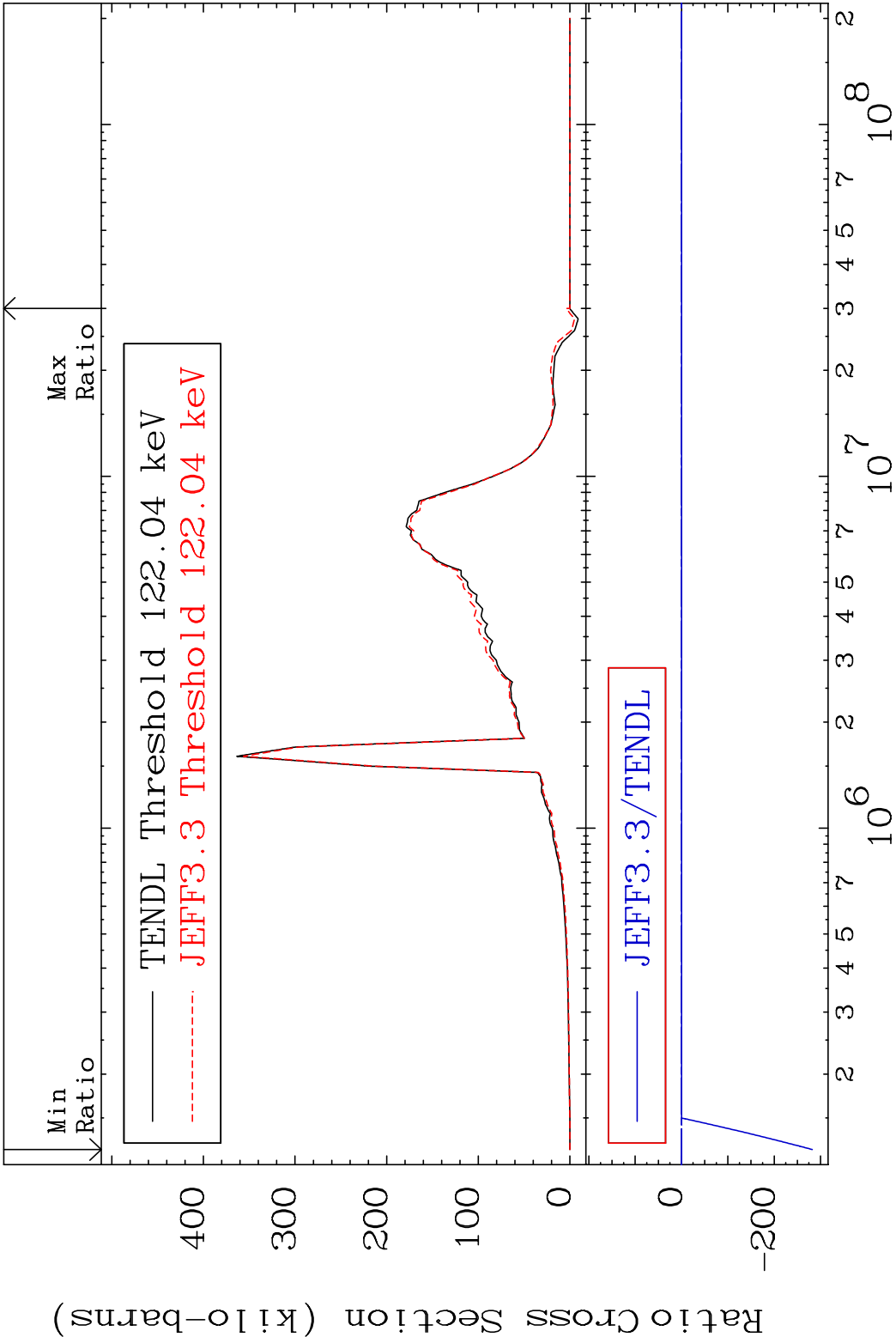


MAT 6234 Kerma non-elastic (all but mt2) 62-Sm-147

Cross Section -5.388 To 6683. %

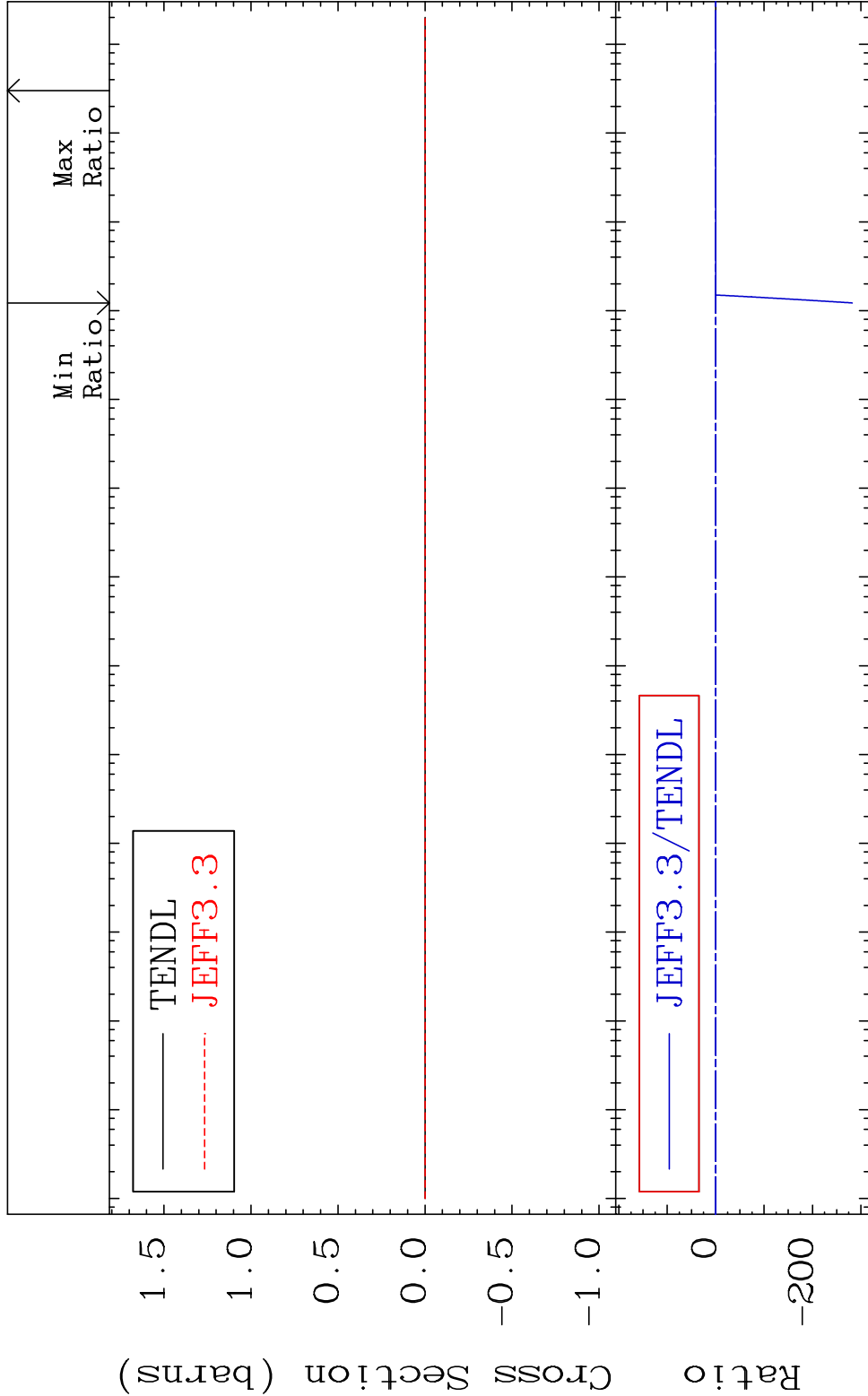


71 Incident Energy (eV) 62-Sm-147



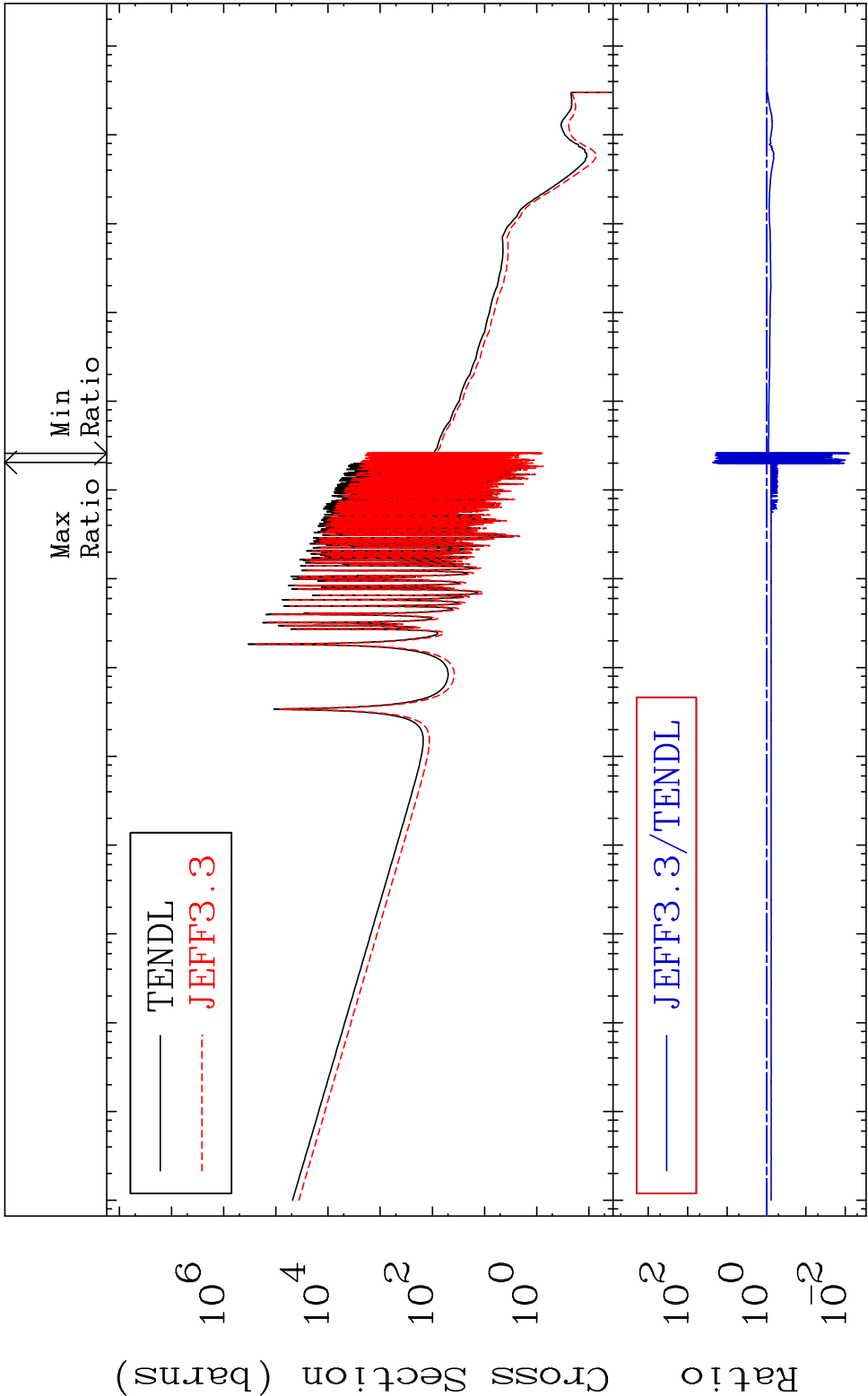
MAT 6234 Kerma fission (mt18 or mt19-20-21-38)62-Sm-147

Cross Section -9999. To 1037. %



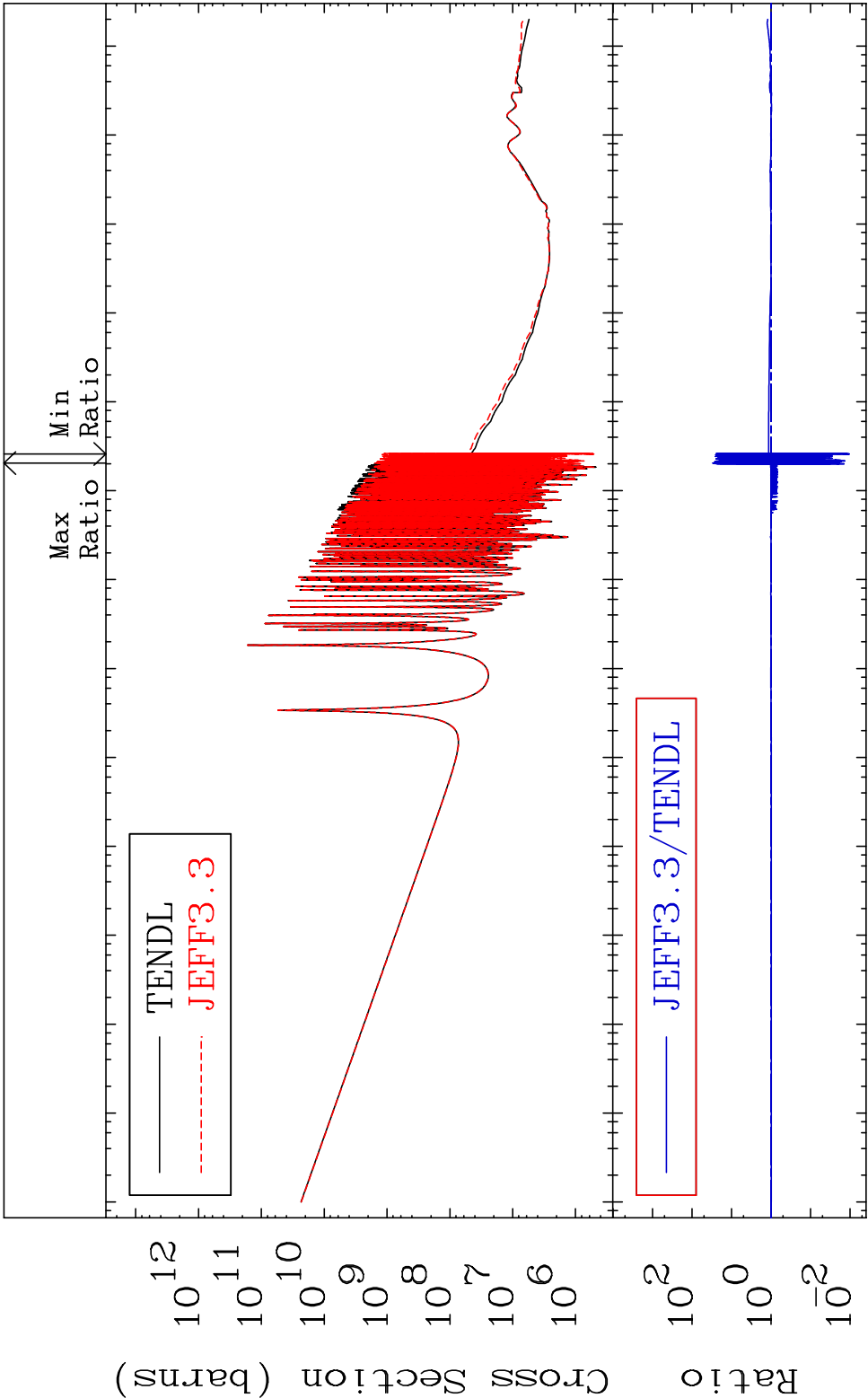
73 Incident Energy (eV) 62-Sm-147

MAT 6234 Kerma capture (mt102) 62-Sm-147
Cross Section -99.22 To 2181. %



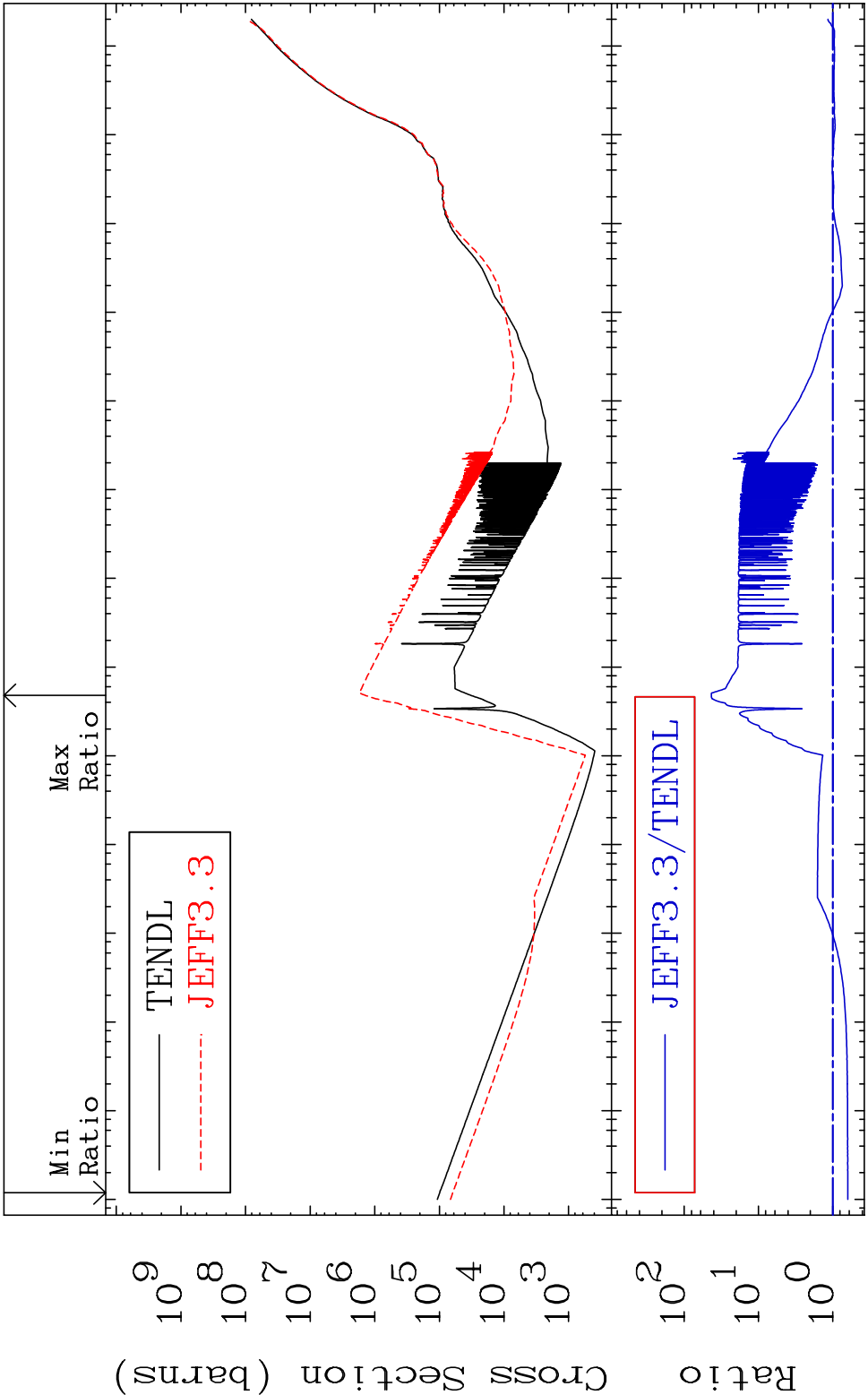
74 Incident Energy (eV) 62-Sm-147

MAT 6234 Total photon (eV-barns) 62-Sm-147
Cross Section -98.97 To 2886. %

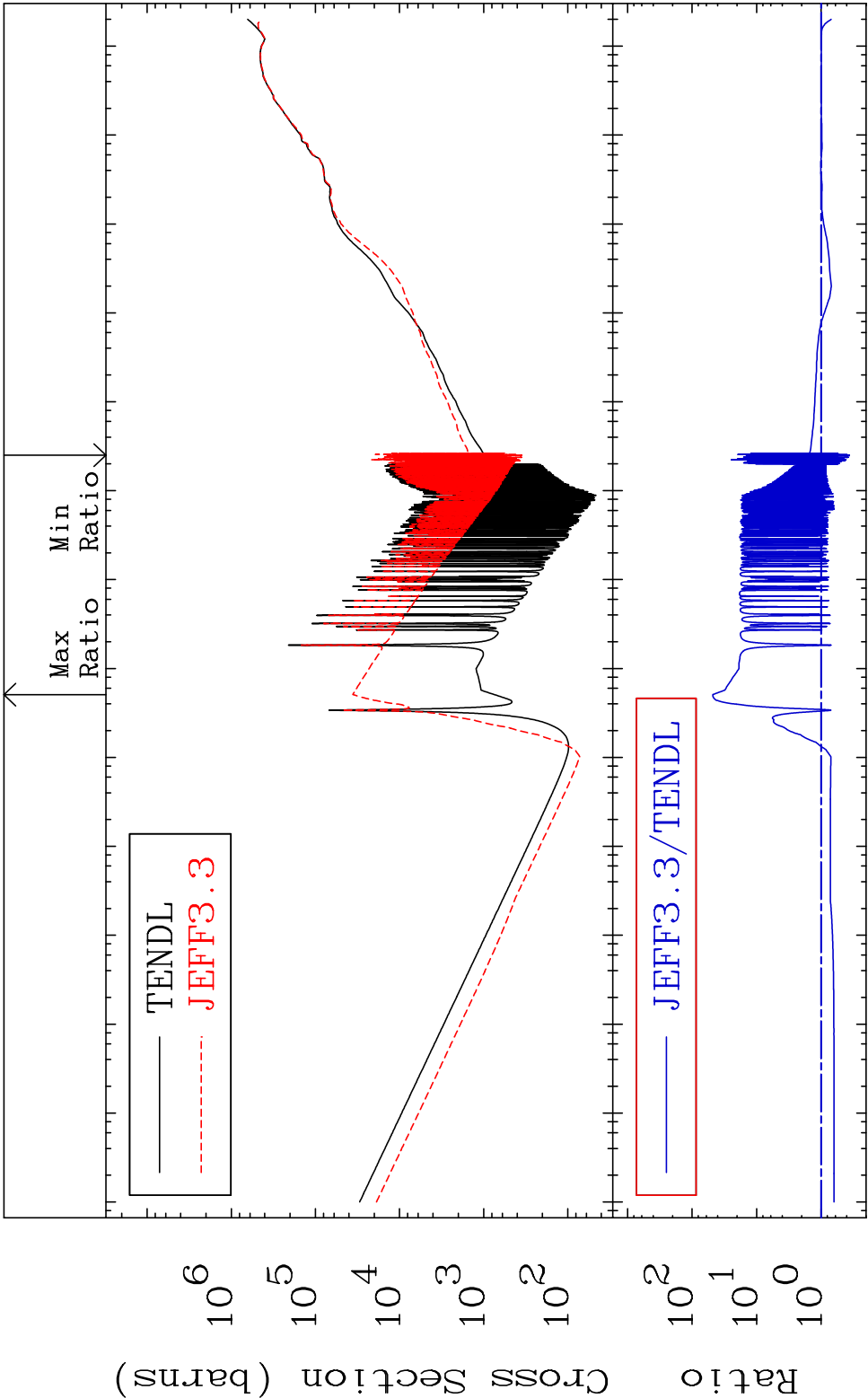


75 Incident Energy (eV) 62-Sm-147

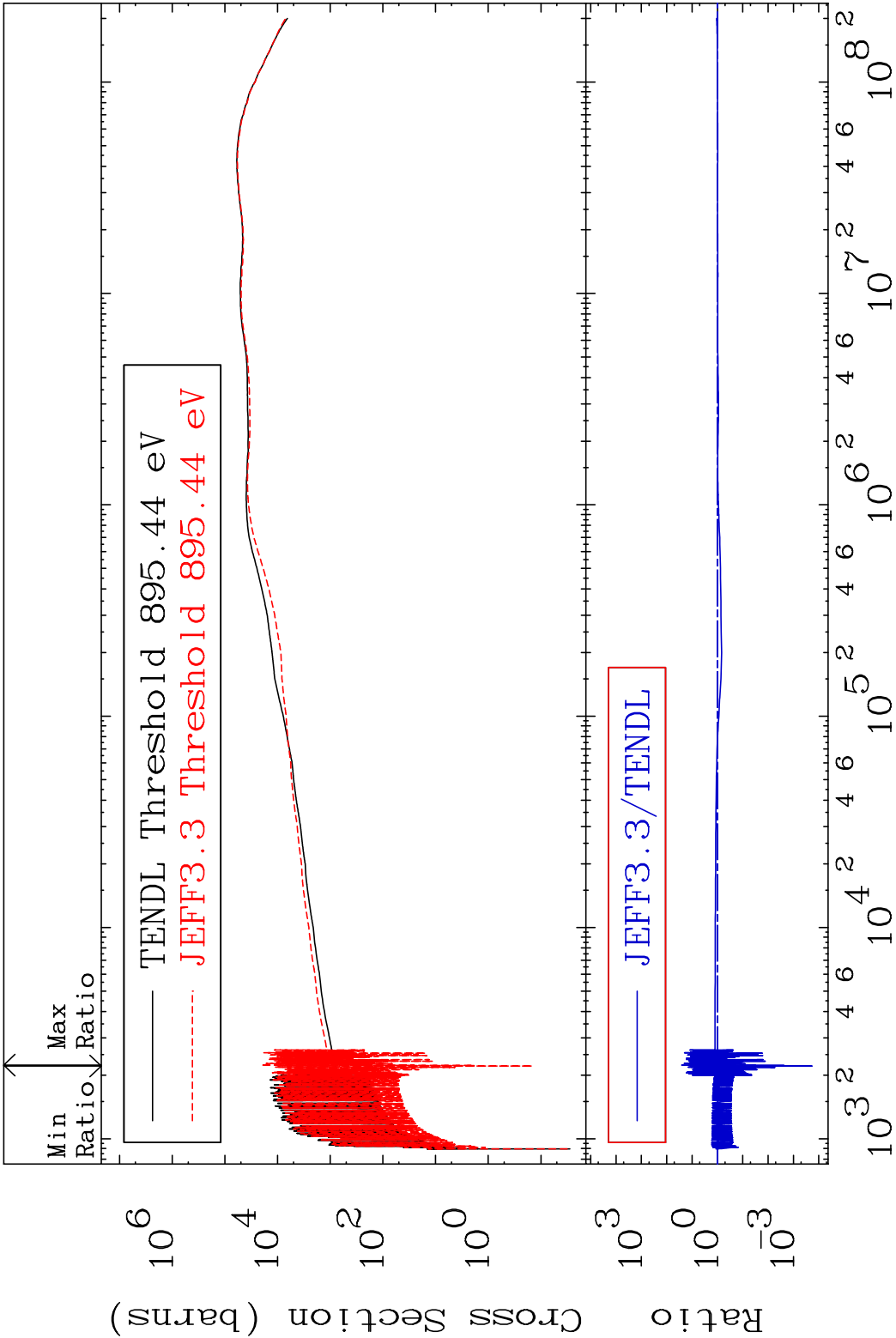
MAT 6234 Total kinematic kerma (high limit) 62-Sm-147
Cross Section -37.21 To 4215. %



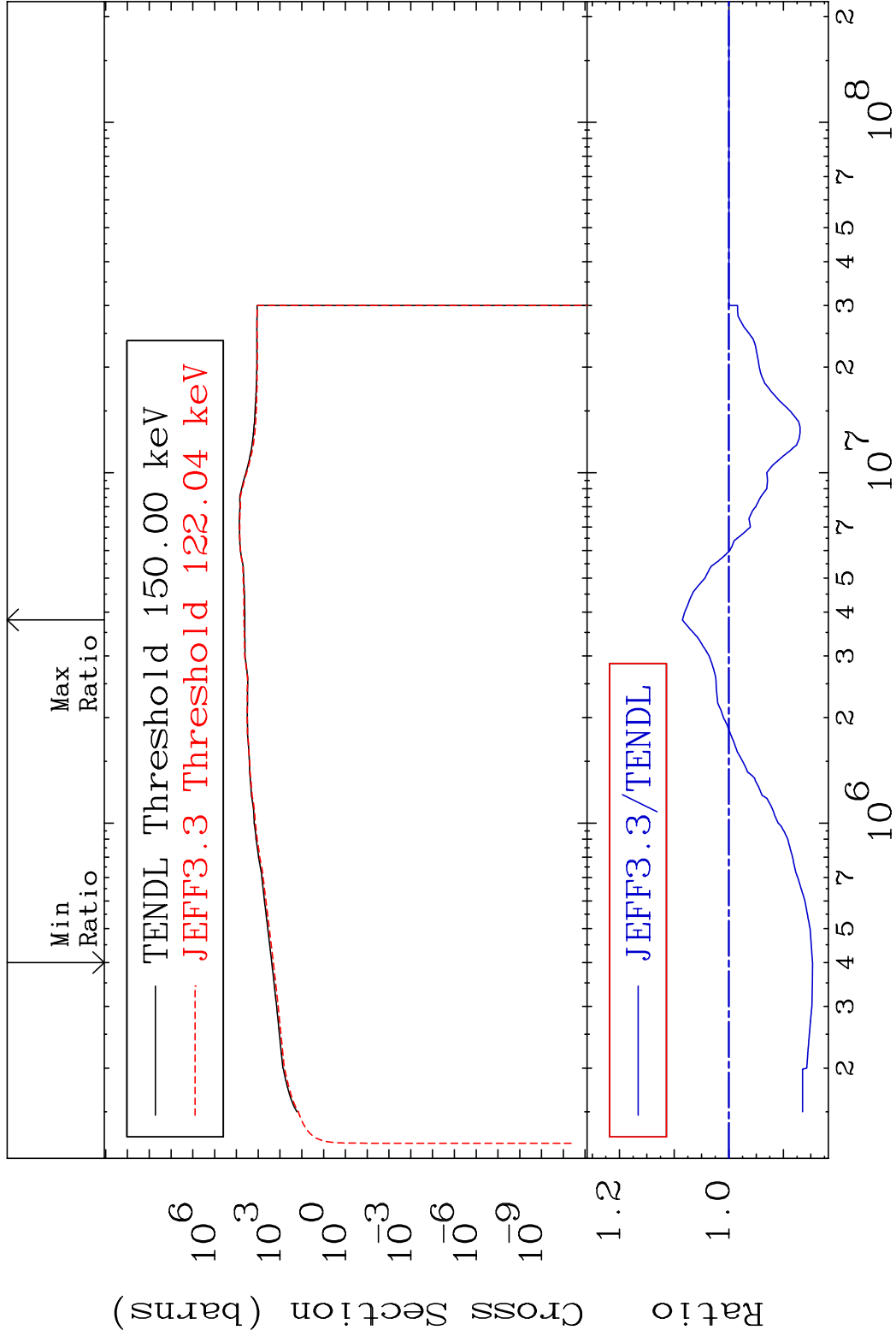
MAT 6234	Dpa total (eV-barns)	62-Sm-147
	Cross Section	-63.76 To 4662. %



MAT 6234 Dpa elastic (mt2) 62-Sm-147
 Cross Section -99.98 To 2501. %



78 Incident Energy (eV) 62-Sm-147



MAT 6234 Dpa disappearance (mt102 -120) 62-Sm-147
Cross Section -37.02 To 4662. %

