

Program Complot
(Version 2021-1)

by

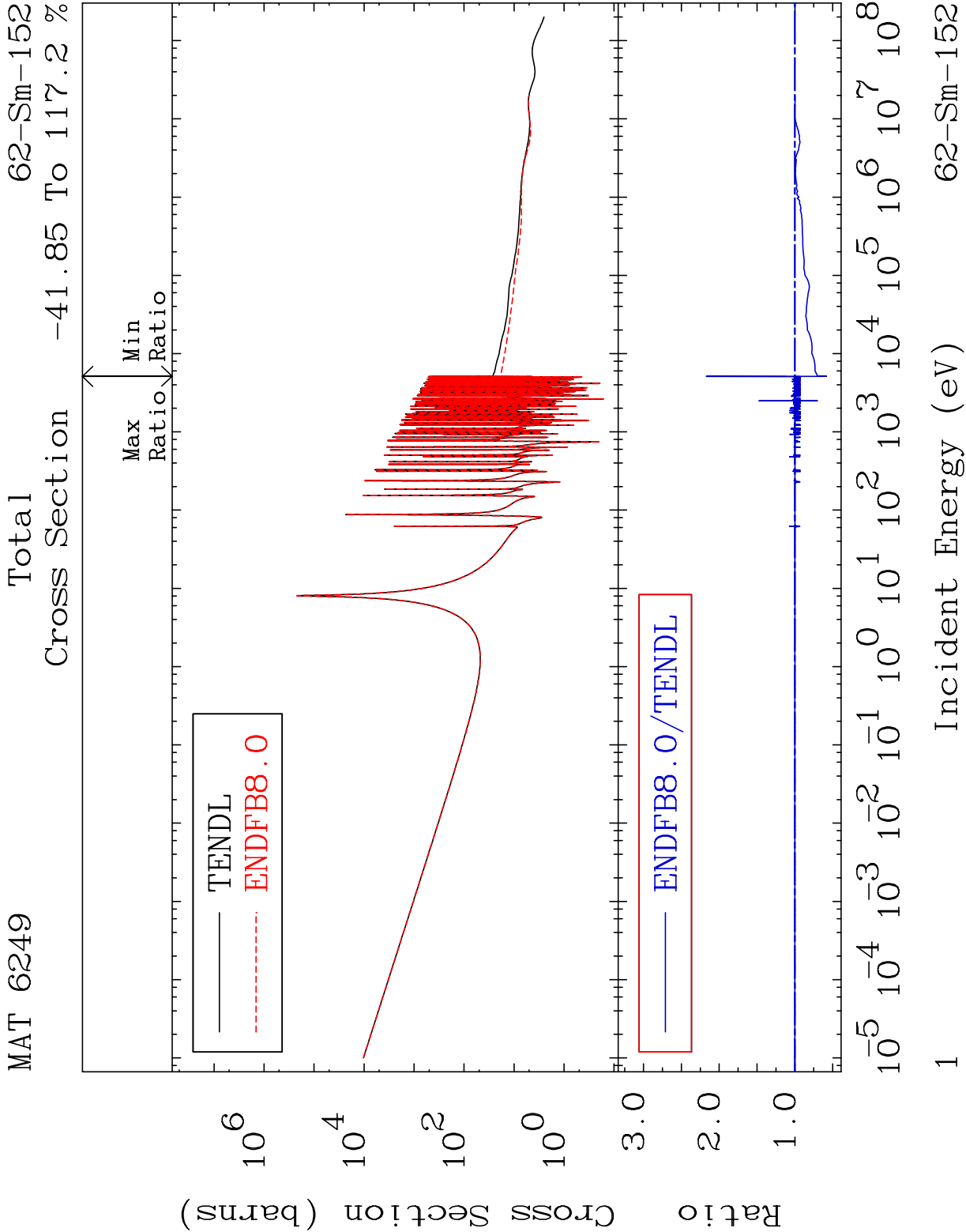
Dermott E. Cullen
(Present Contact Information)

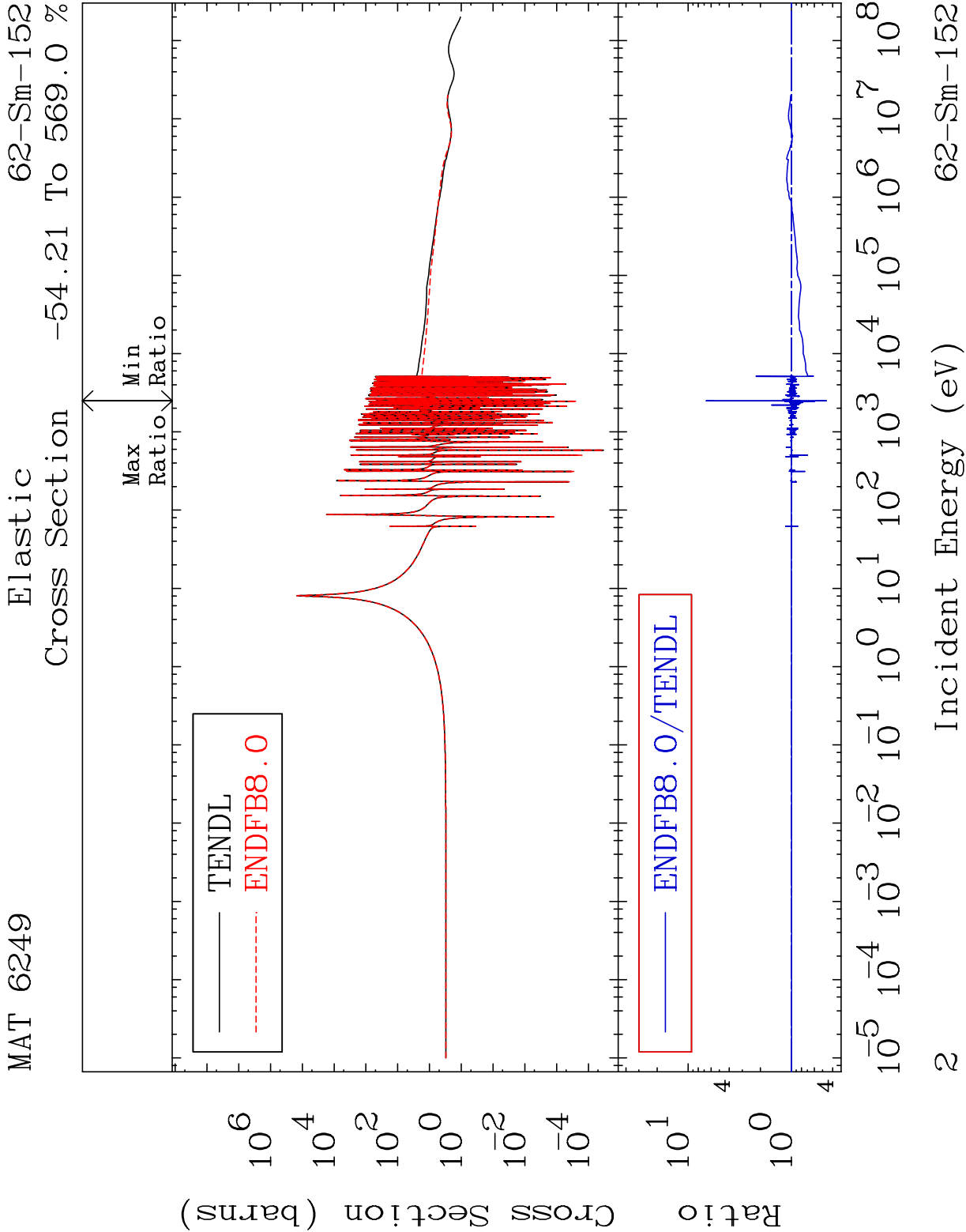
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start



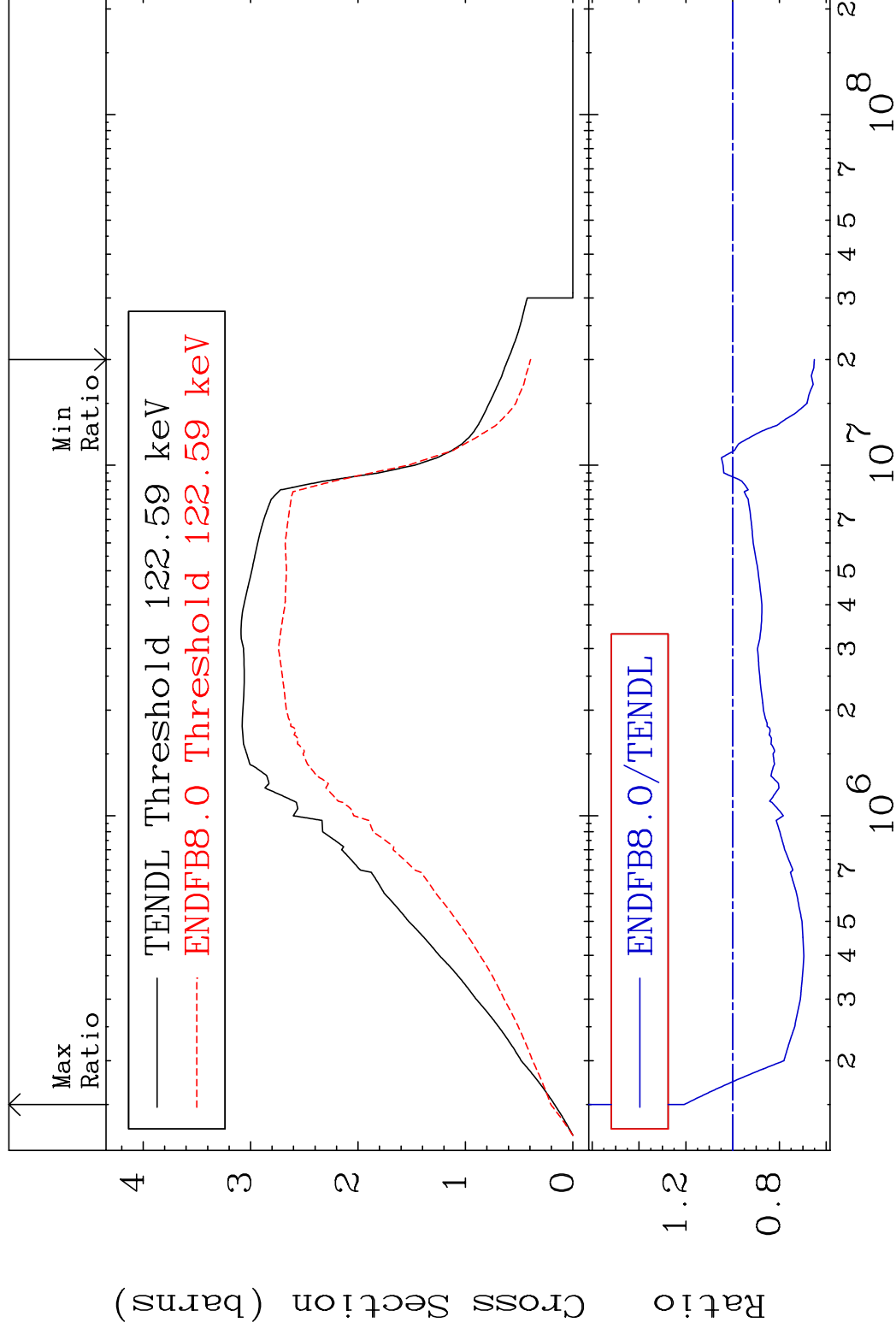


MAT 6249

Inelastic

62-Sm-152

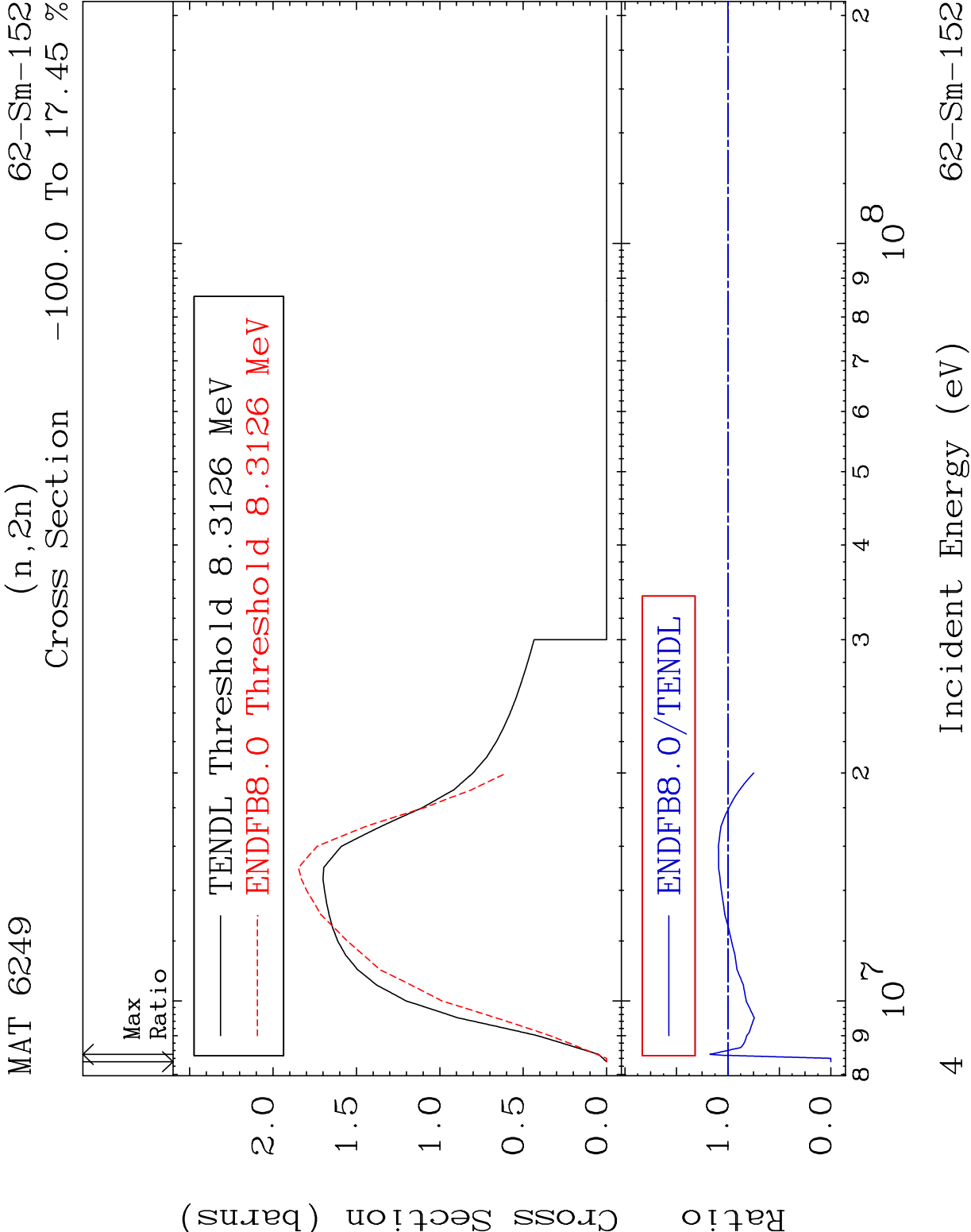
Cross Section -34.87 To 20.76 %

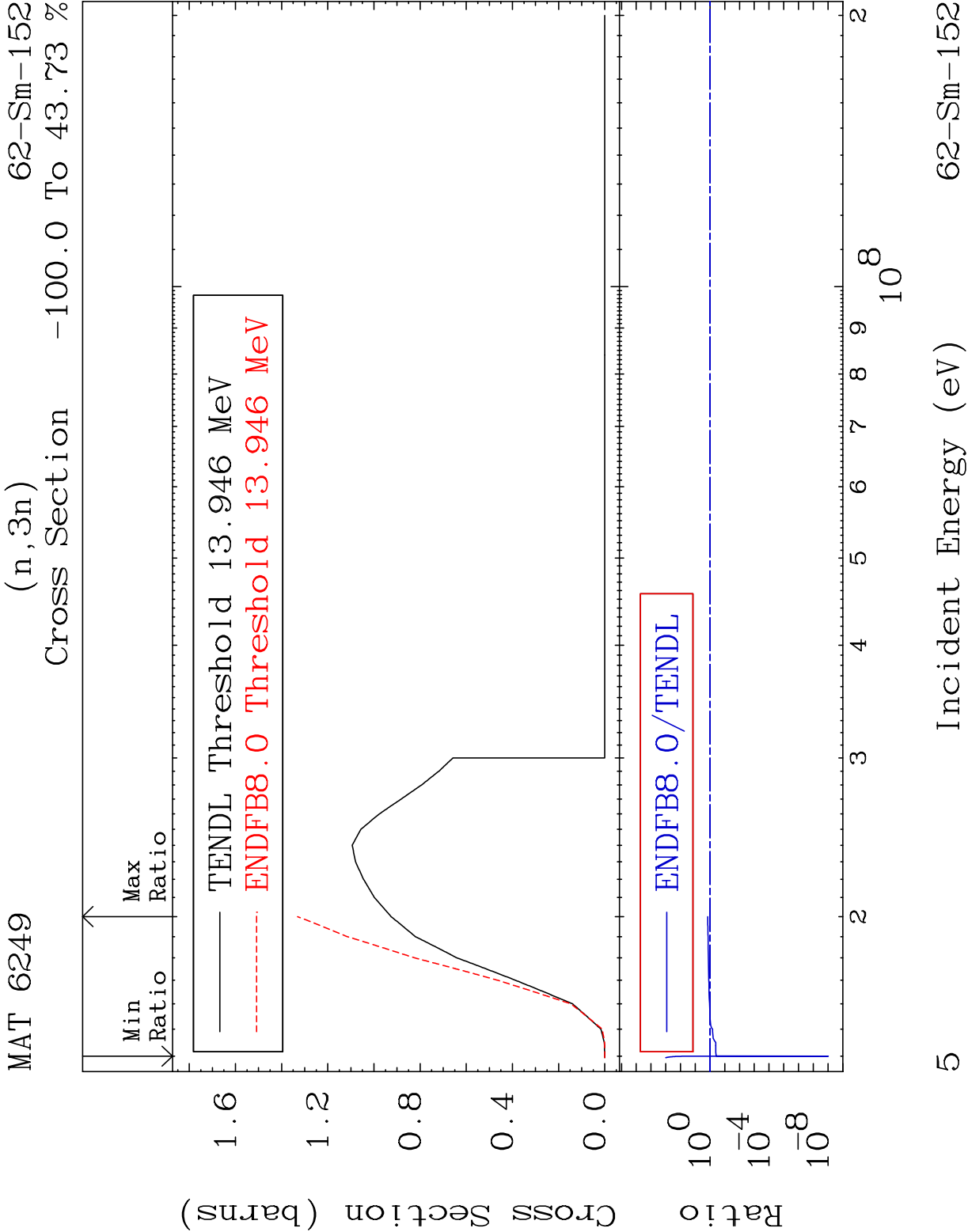


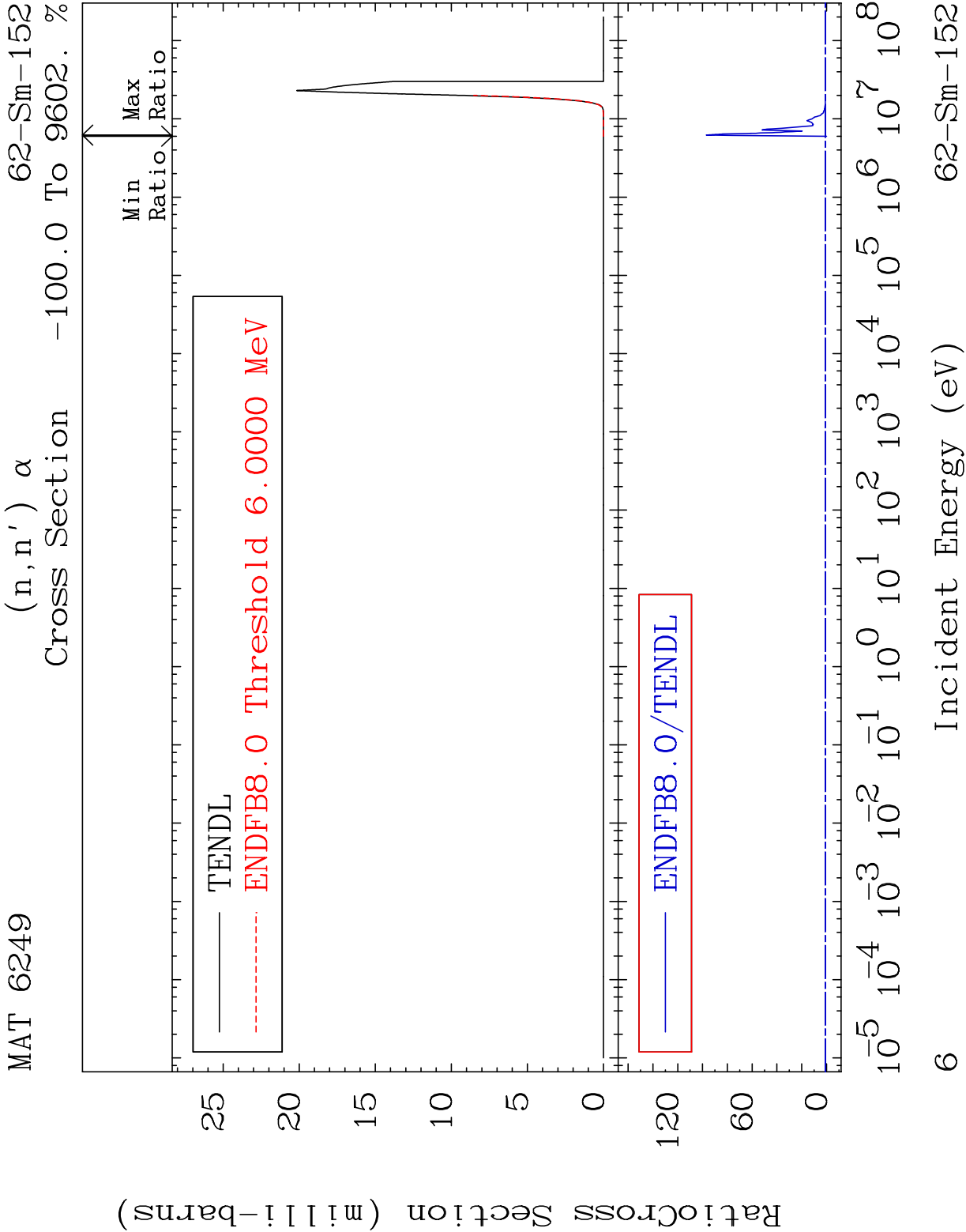
3

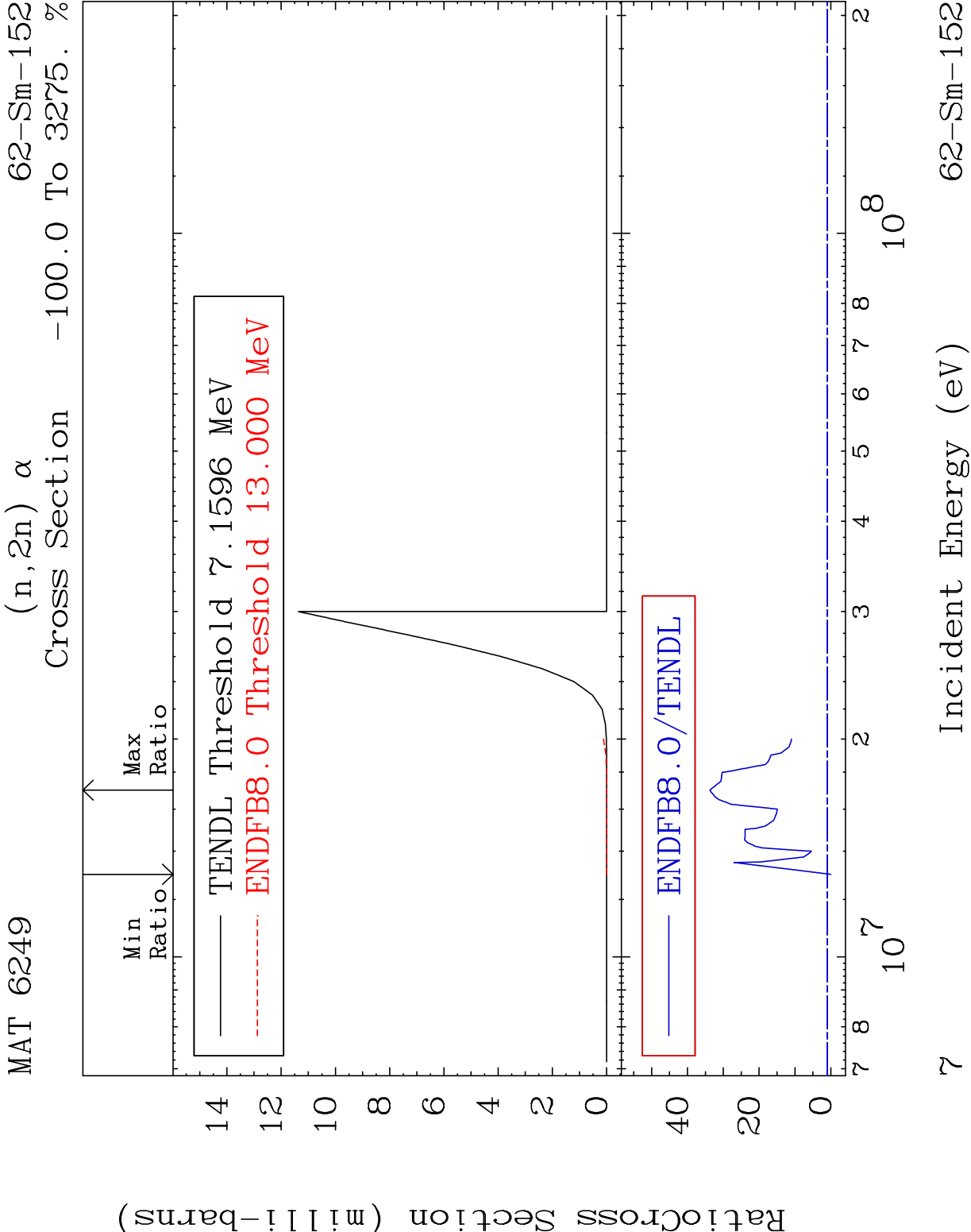
Incident Energy (eV)

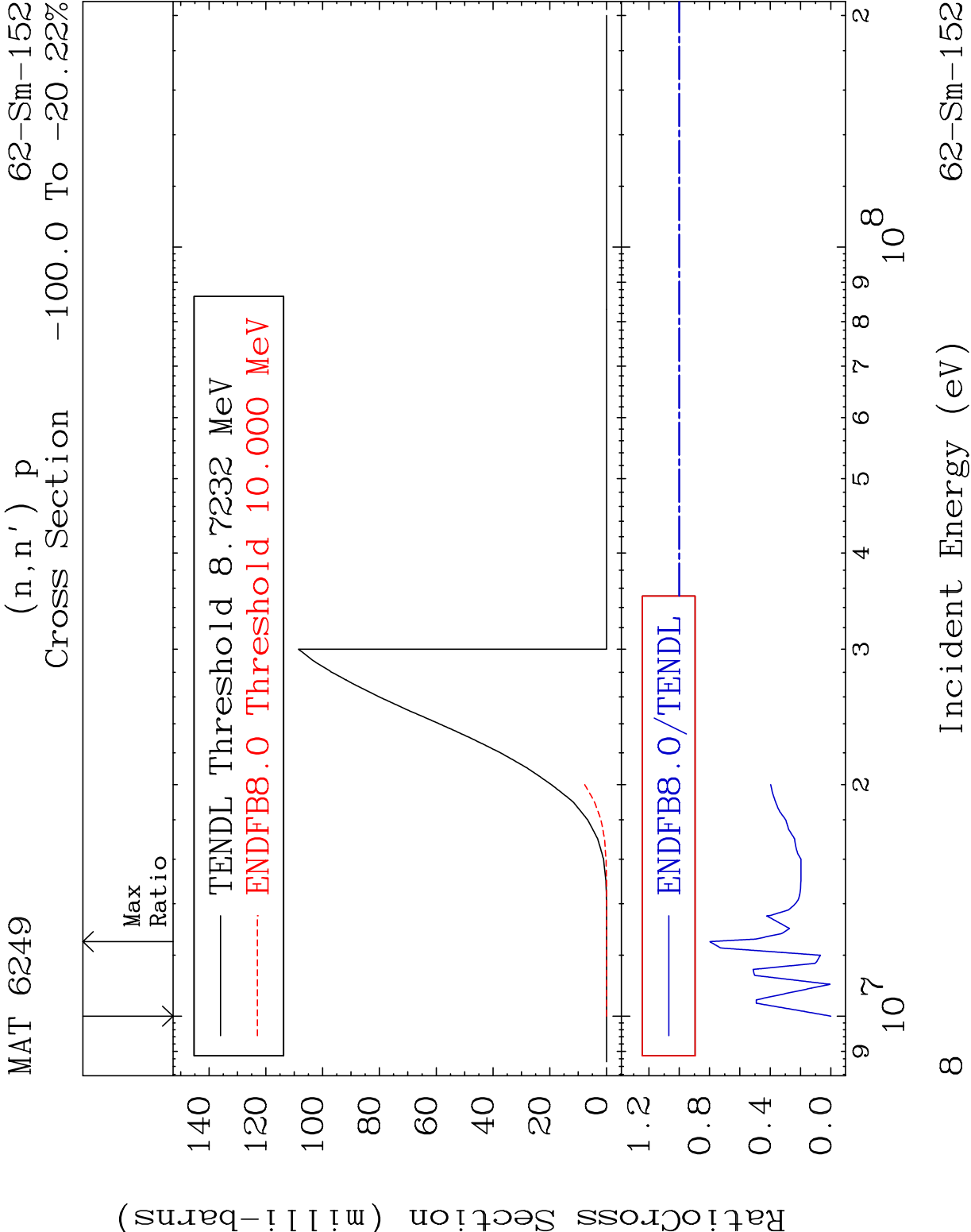
62-Sm-152

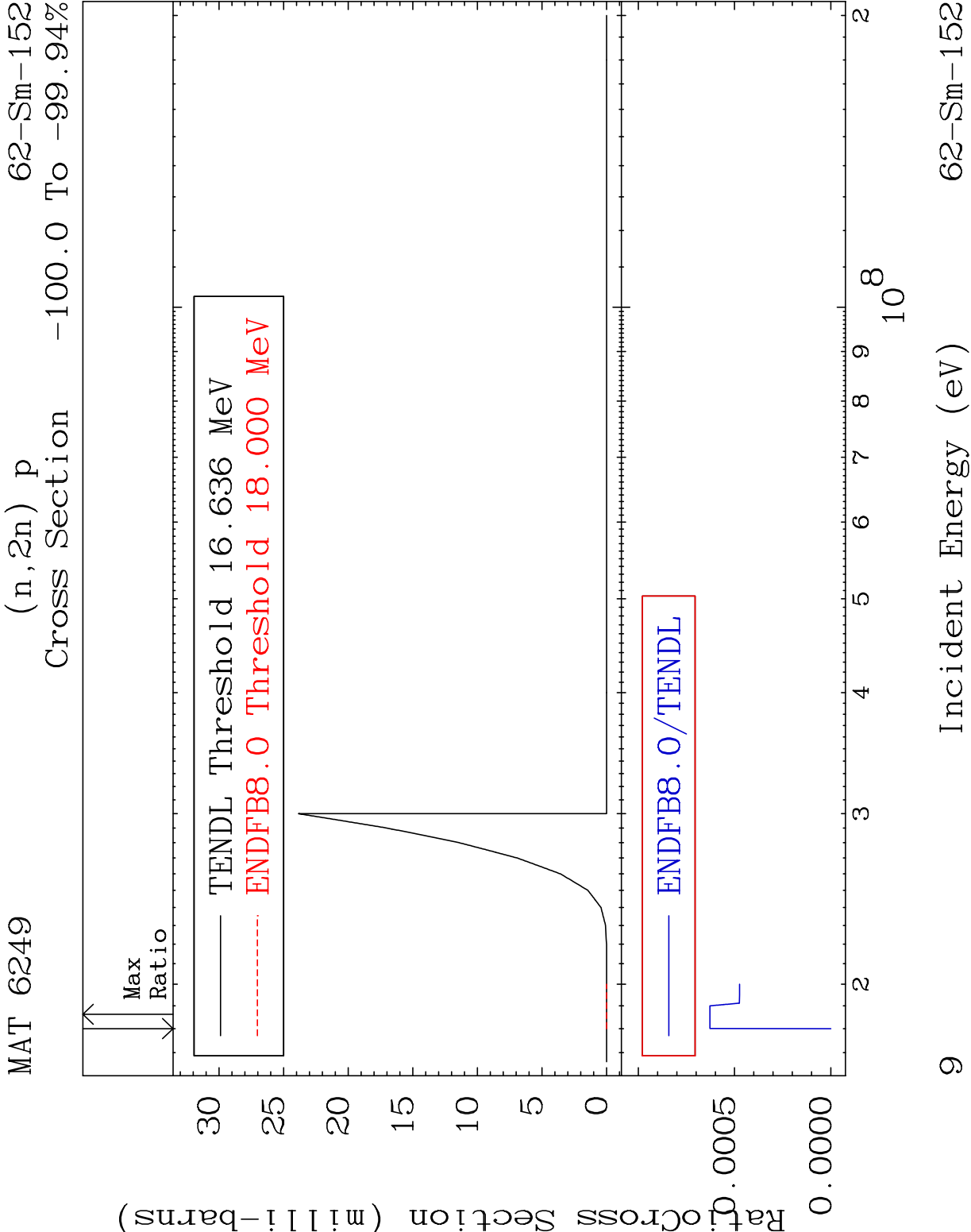




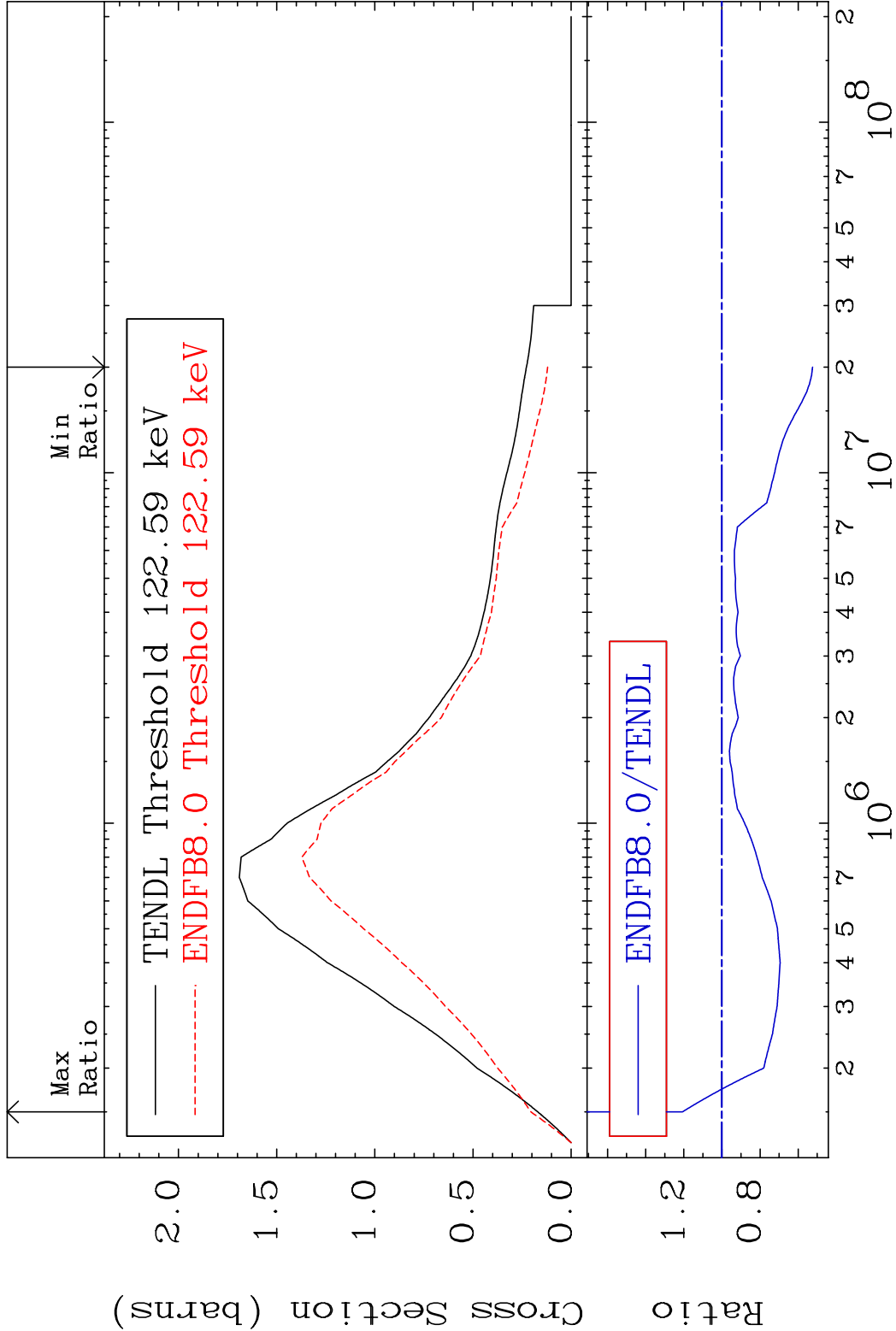






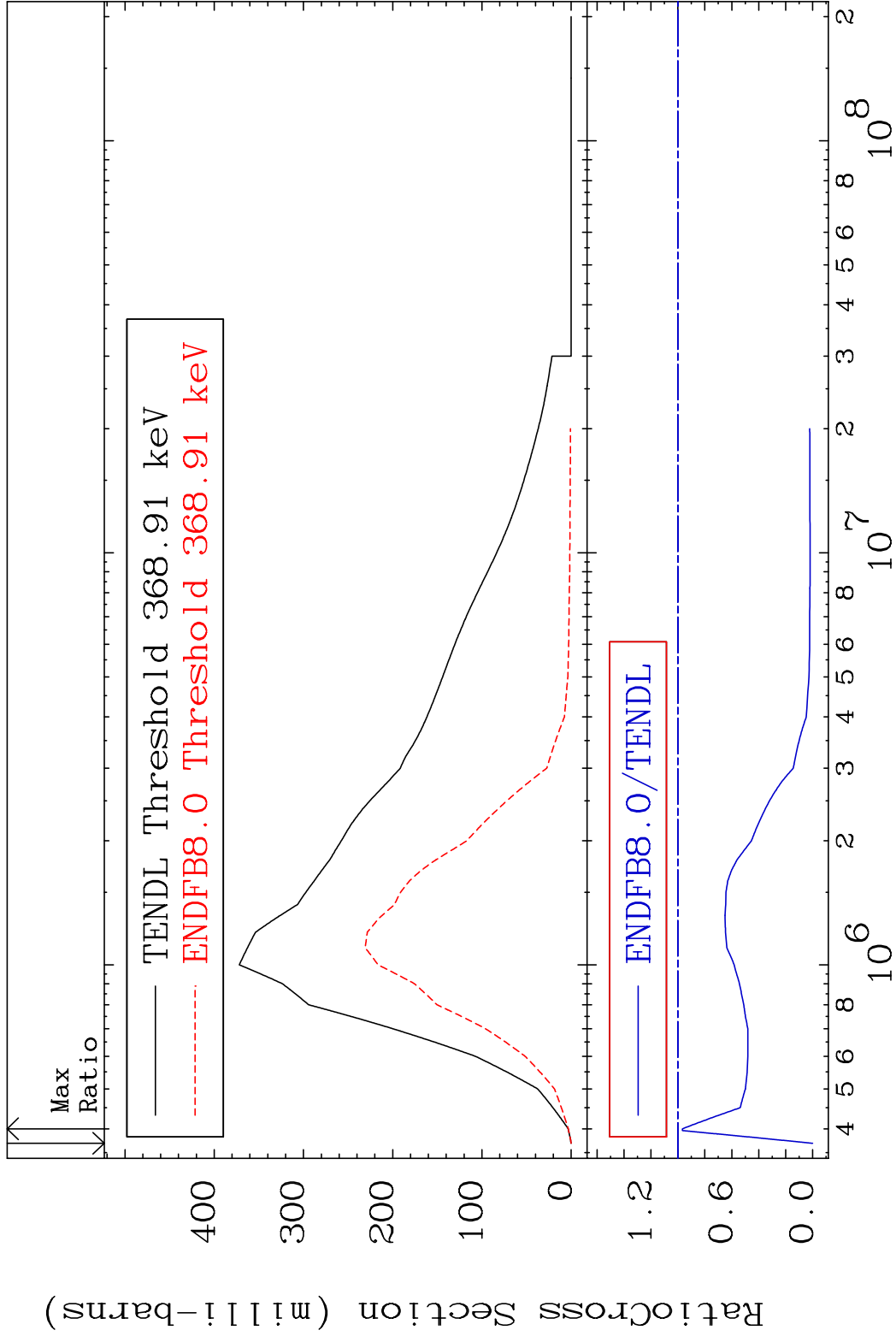


MAT 6249 MT= 51 (n,n') Level 62-Sm-152
Cross Section -47.55 To 20.76 %

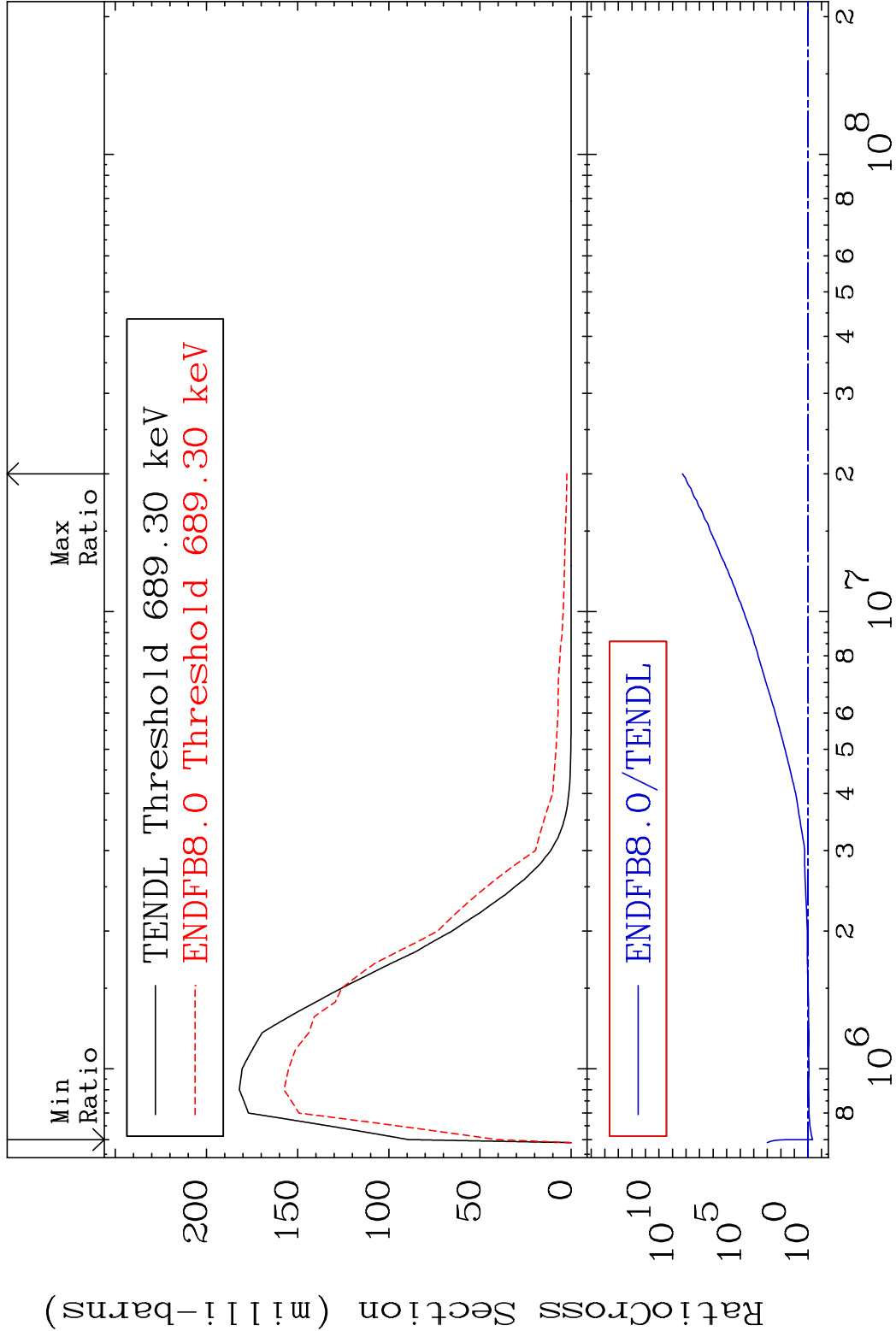


10 Incident Energy (eV) 62-Sm-152

MAT 6249 MT= 52 (n,n') Level 62-Sm-152
Cross Section -100.0 To -3.306%



MAT 6249 MT= 53 (n,n') Level 62-Sm-152
Cross Section -54.17 To 9999. %



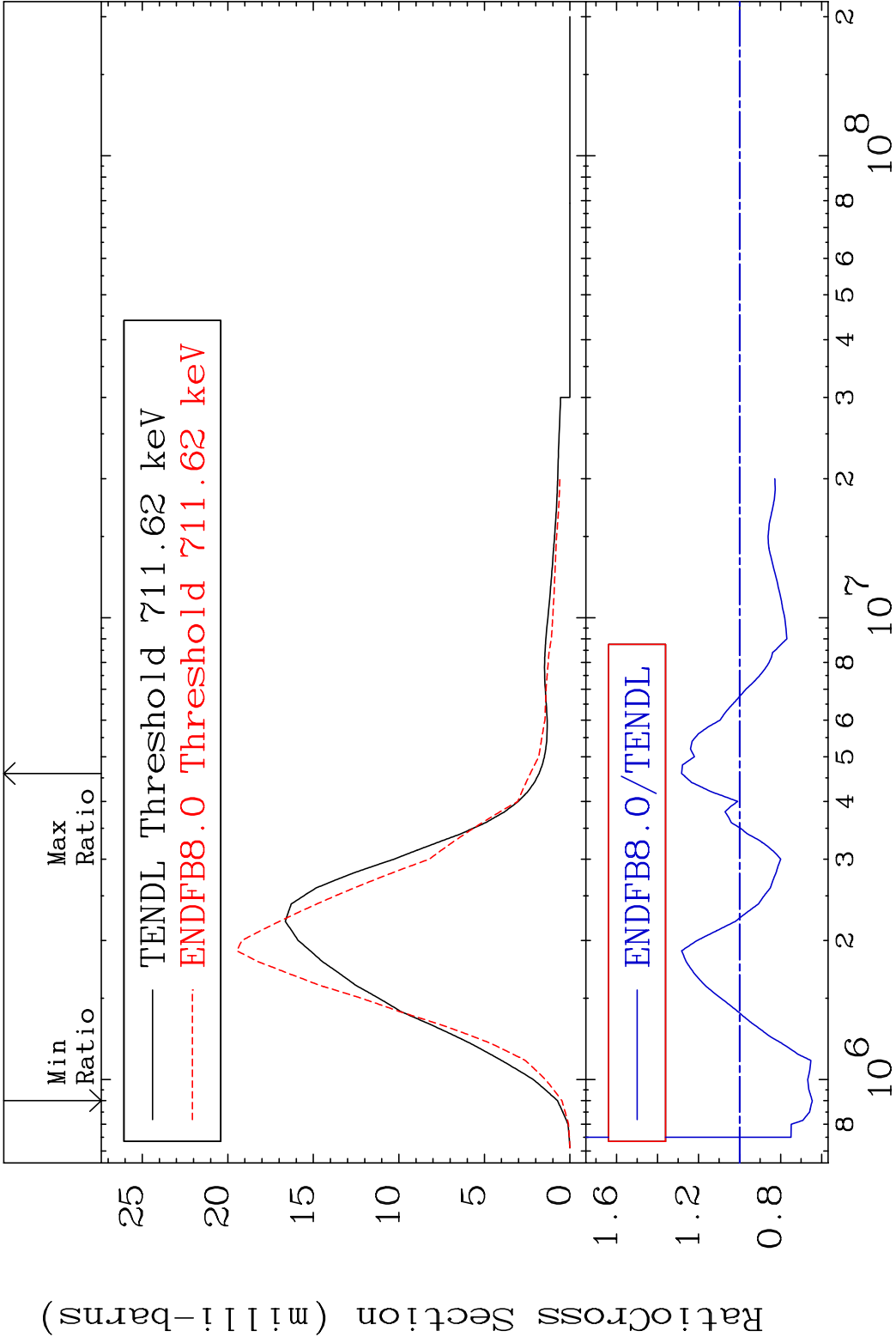
MAT 6249

MT= 54 (n,n') Level

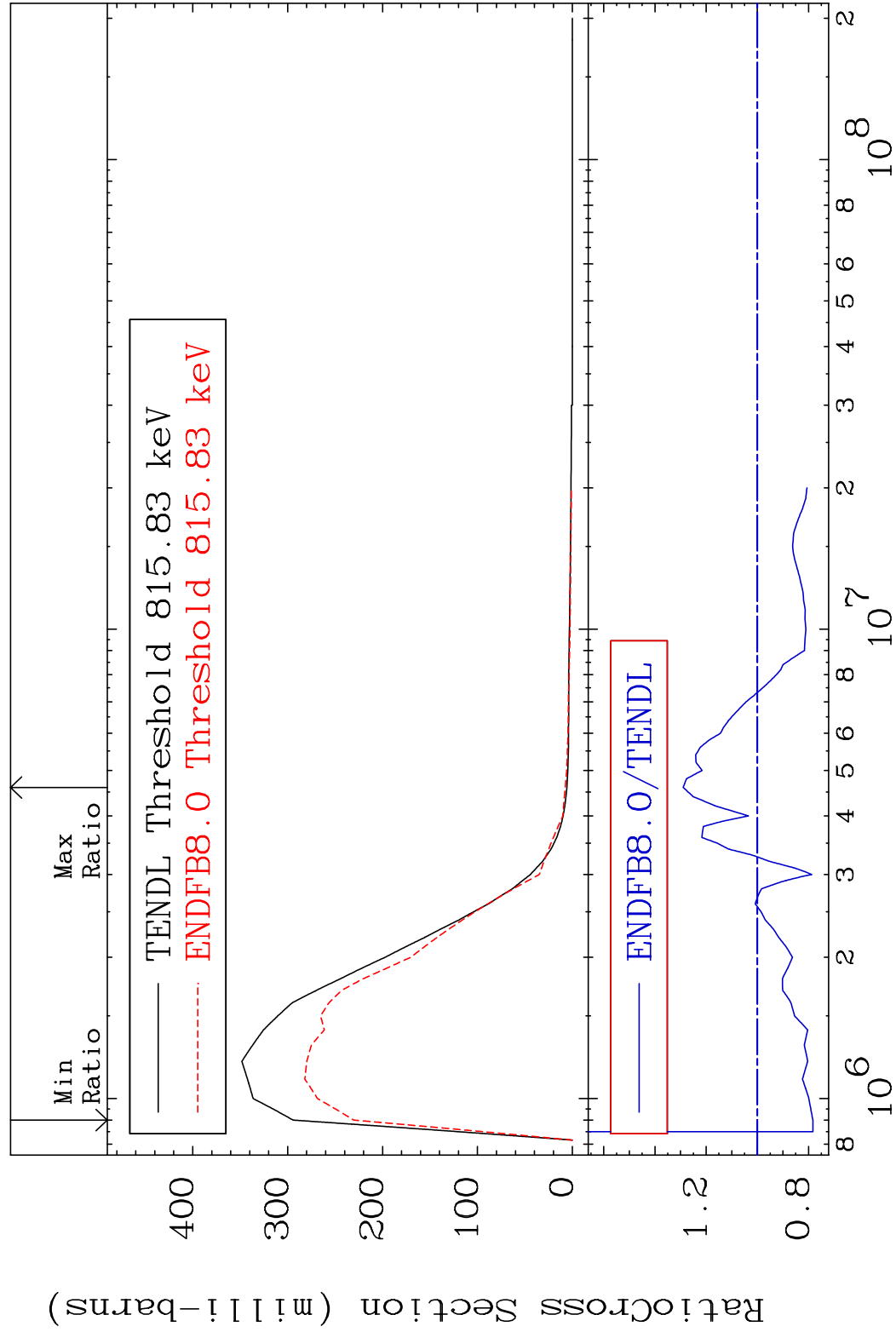
62-Sm-152

Cross Section

-35.41 To 28.32 %

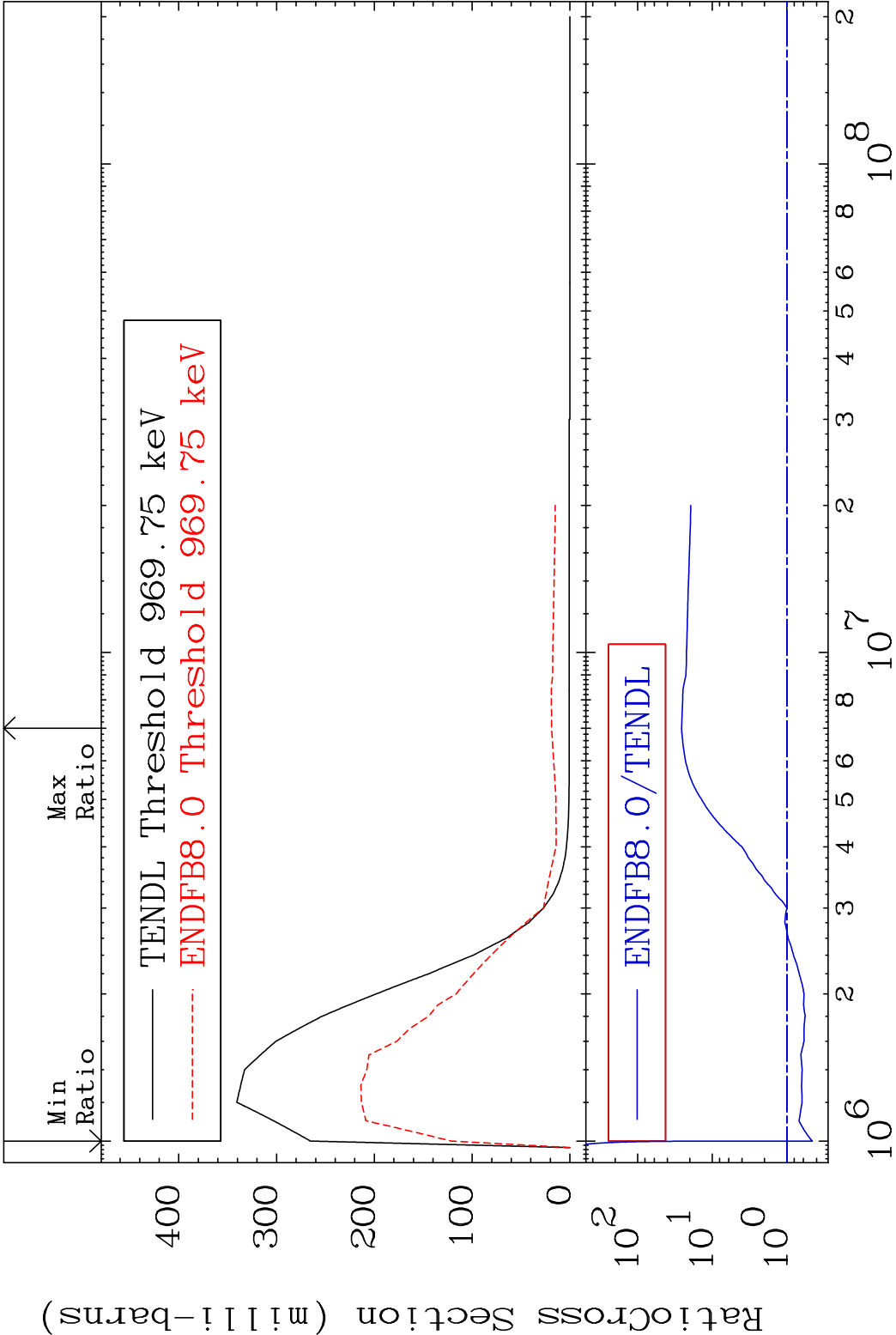


MAT 6249 MT= 55 (n,n') Level 62-Sm-152
Cross Section -21.69 To 28.99 %



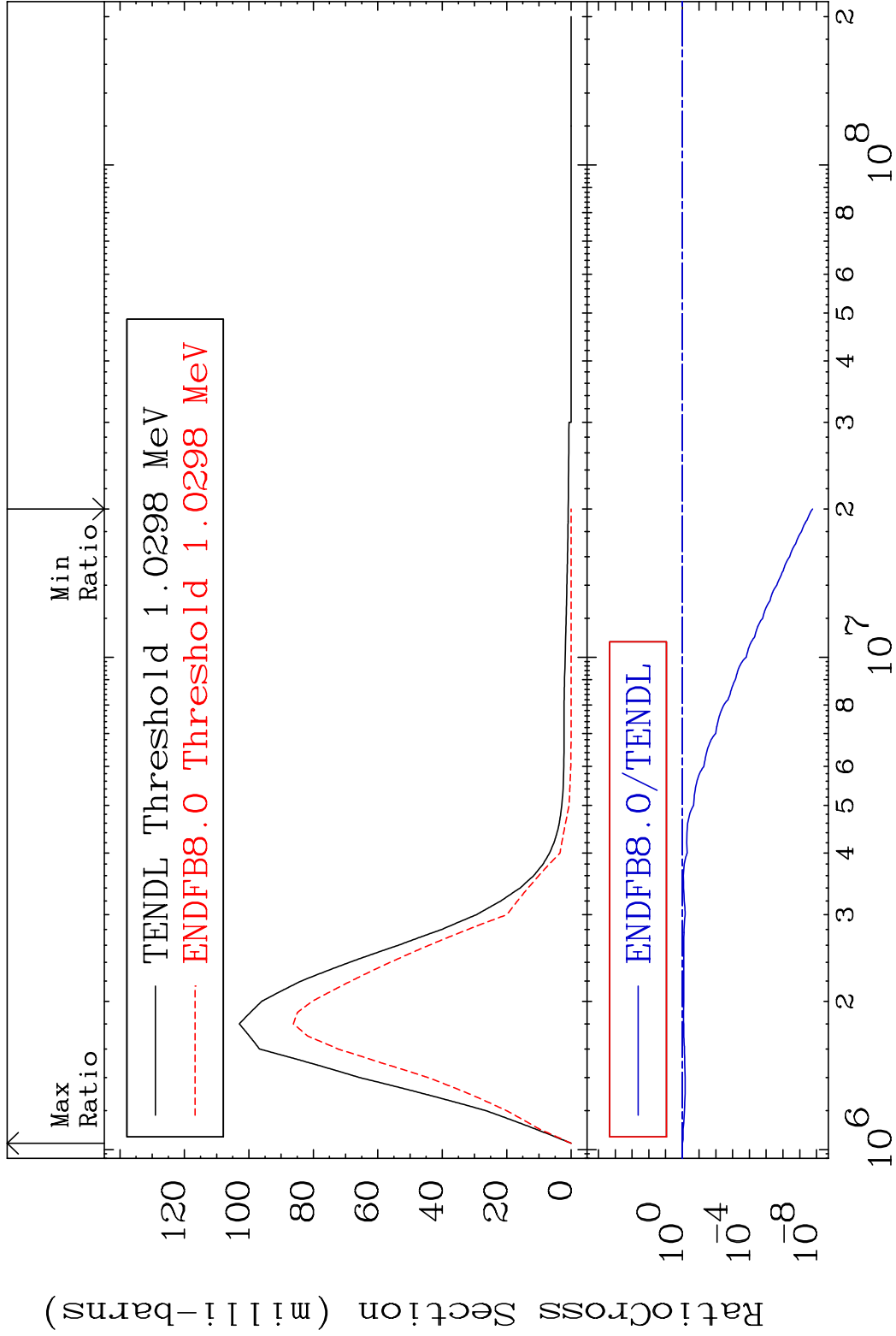
14 Incident Energy (eV) 62-Sm-152

MAT 6249 MT= 56 (n,n') Level 62-Sm-152
Cross Section -54.26 To 2483. %



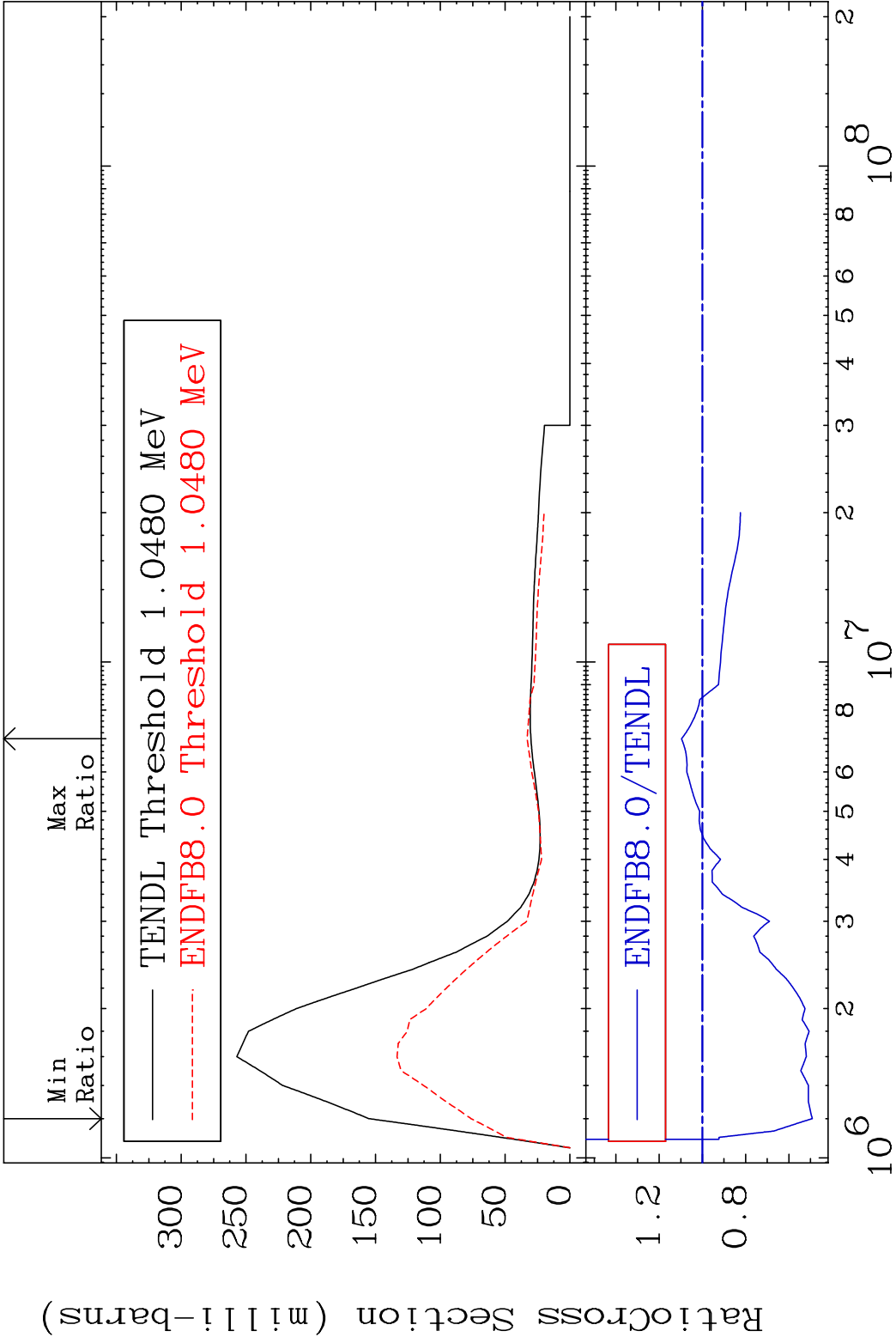
15 Incident Energy (eV) 62-Sm-152

MAT 6249 MT= 57 (n,n') Level 62-Sm-152
Cross Section -100.0 To 0.000 %

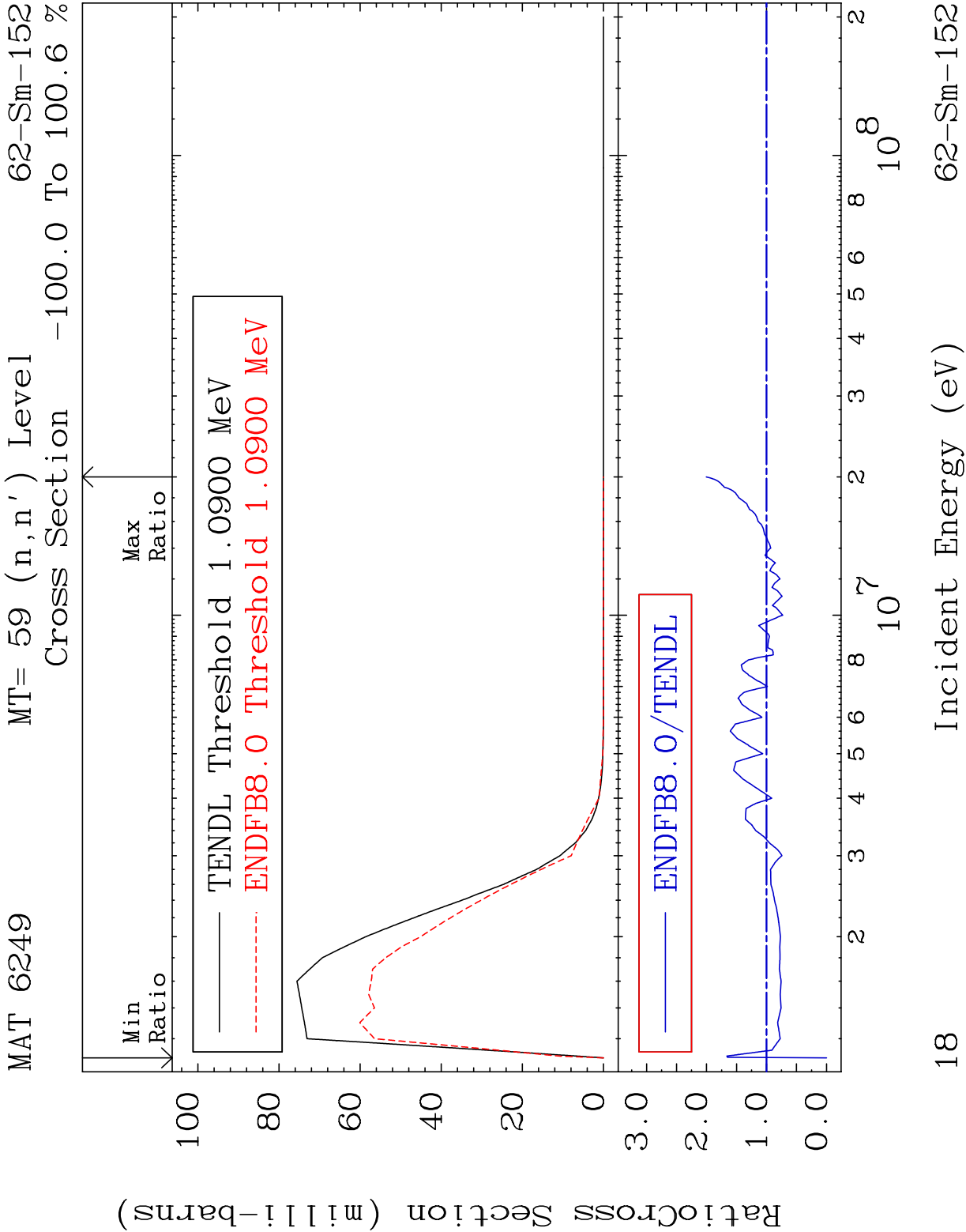


16 Incident Energy (eV) 62-Sm-152

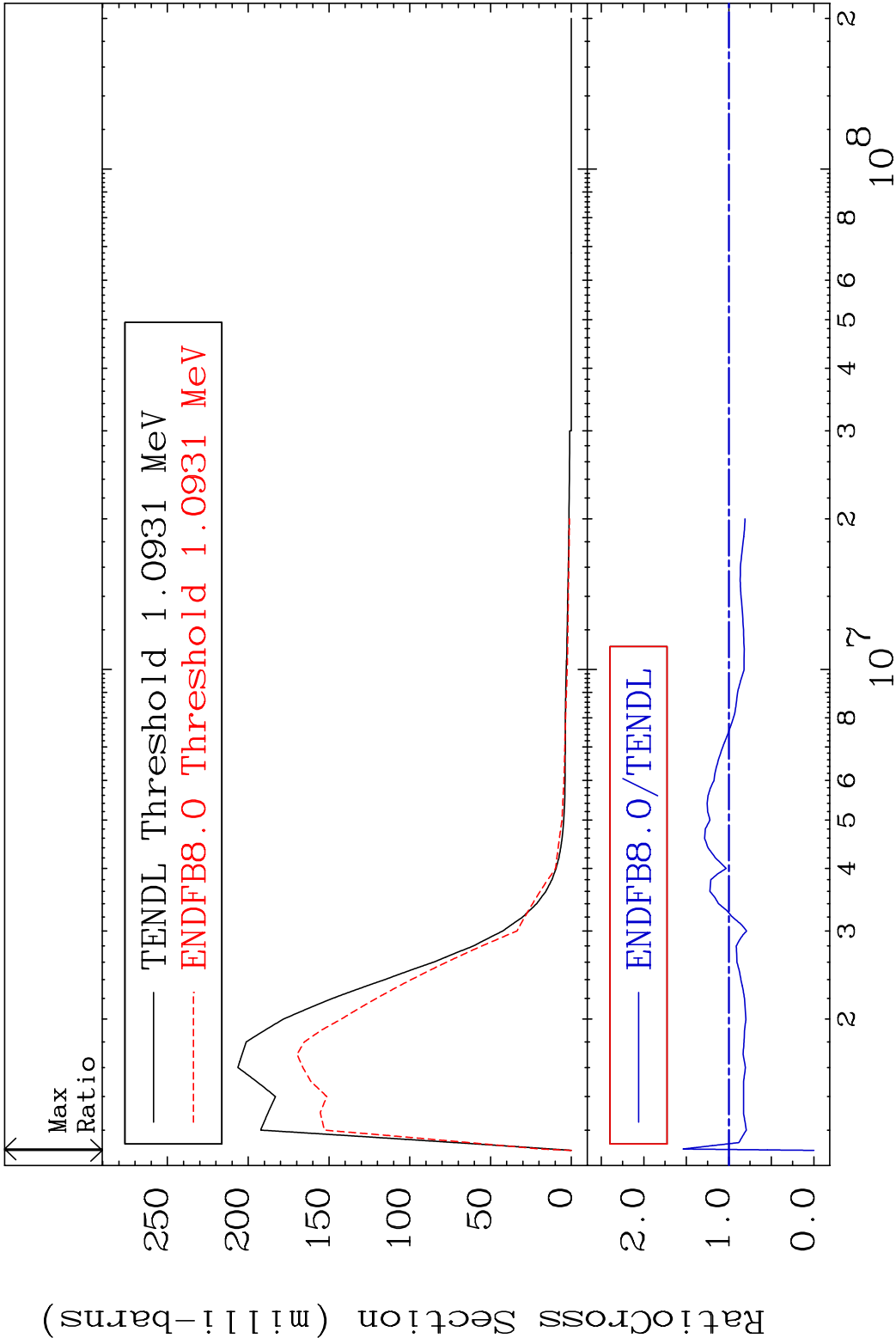
MAT 6249 MT= 58 (n,n') Level 62-Sm-152
Cross Section -50.83 To 9.653 %

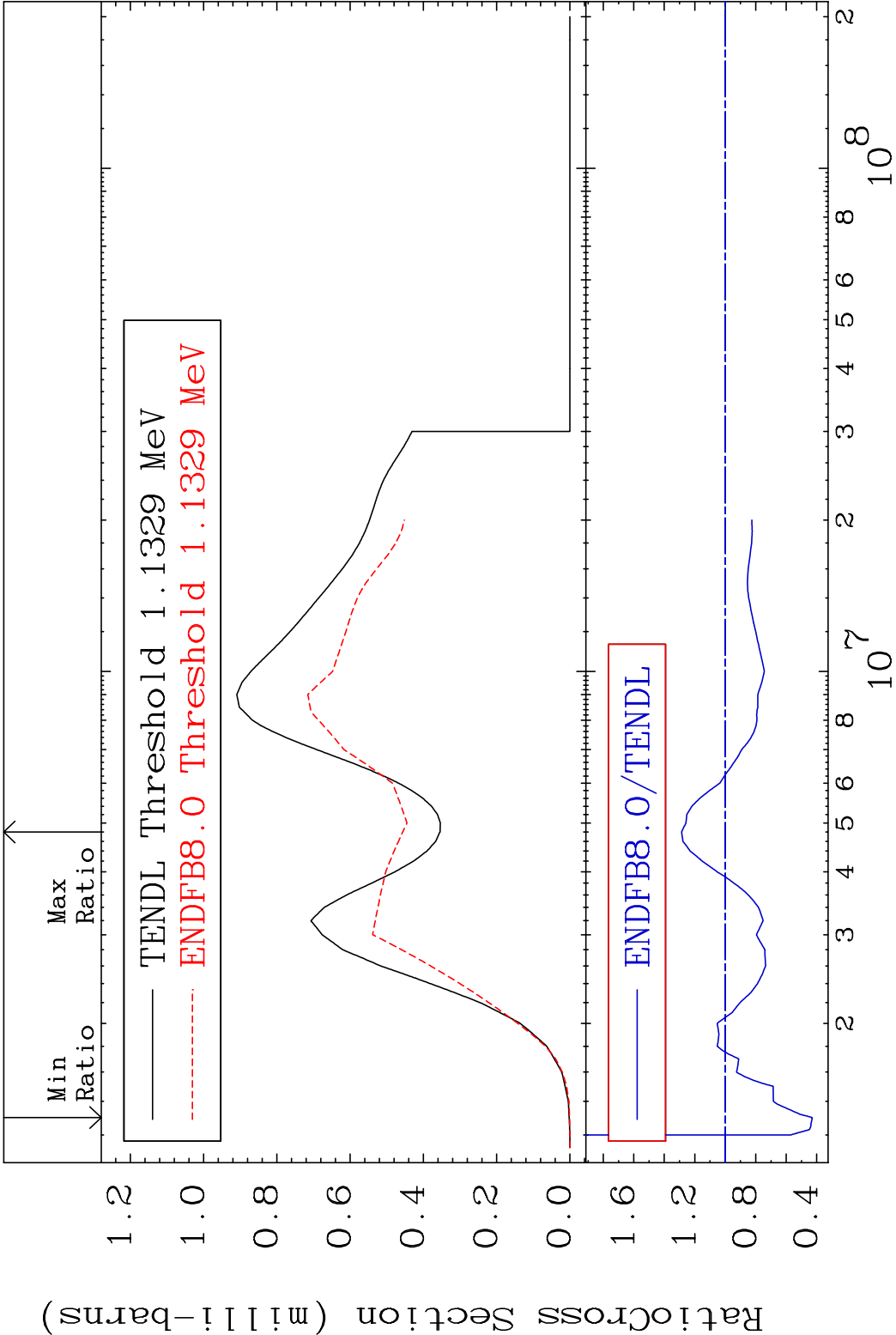


17 Incident Energy (eV) 62-Sm-152



MAT 6249 MT= 60 (n,n') Level 62-Sm-152
Cross Section -100.0 To 53.87 %





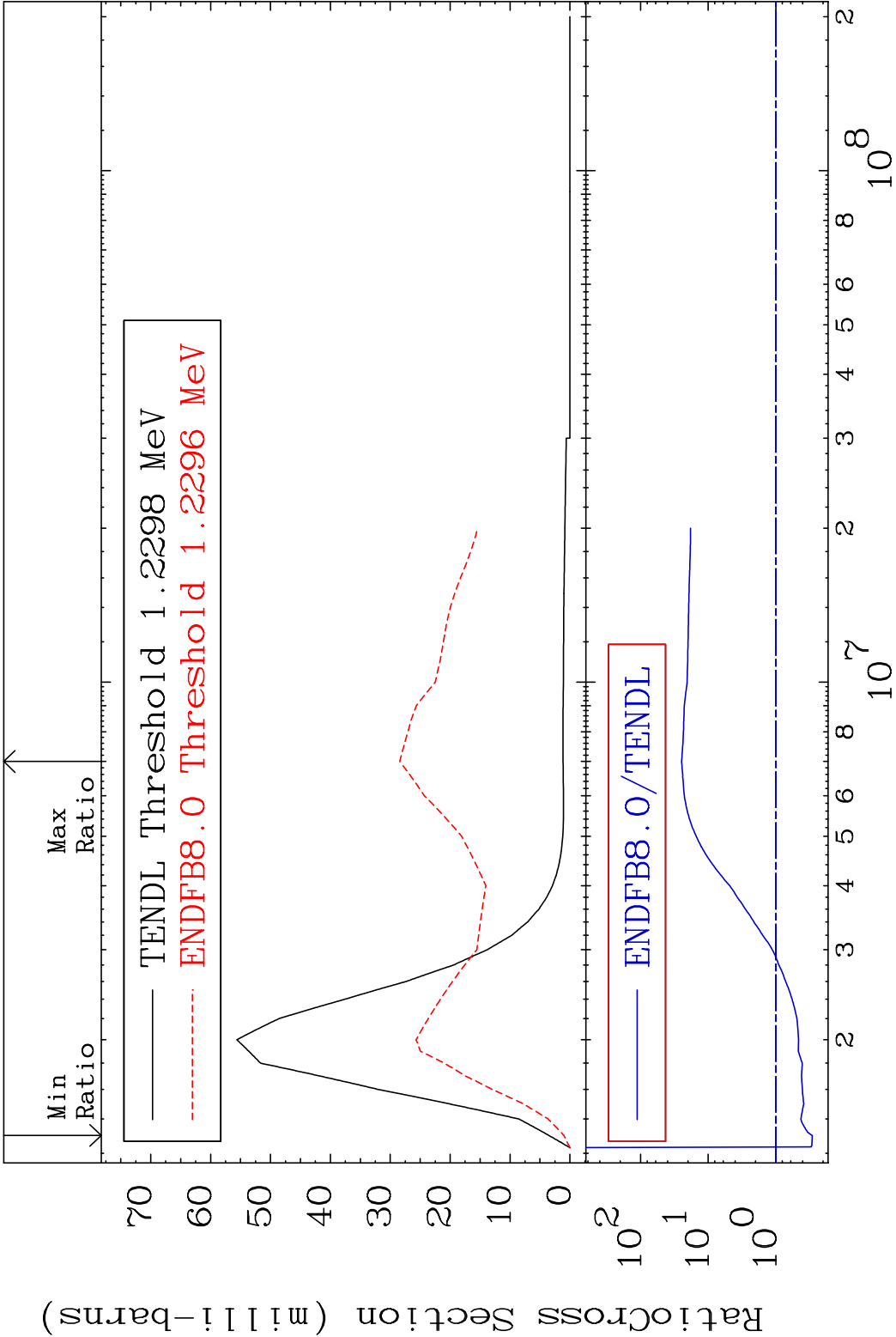
MAT 6249

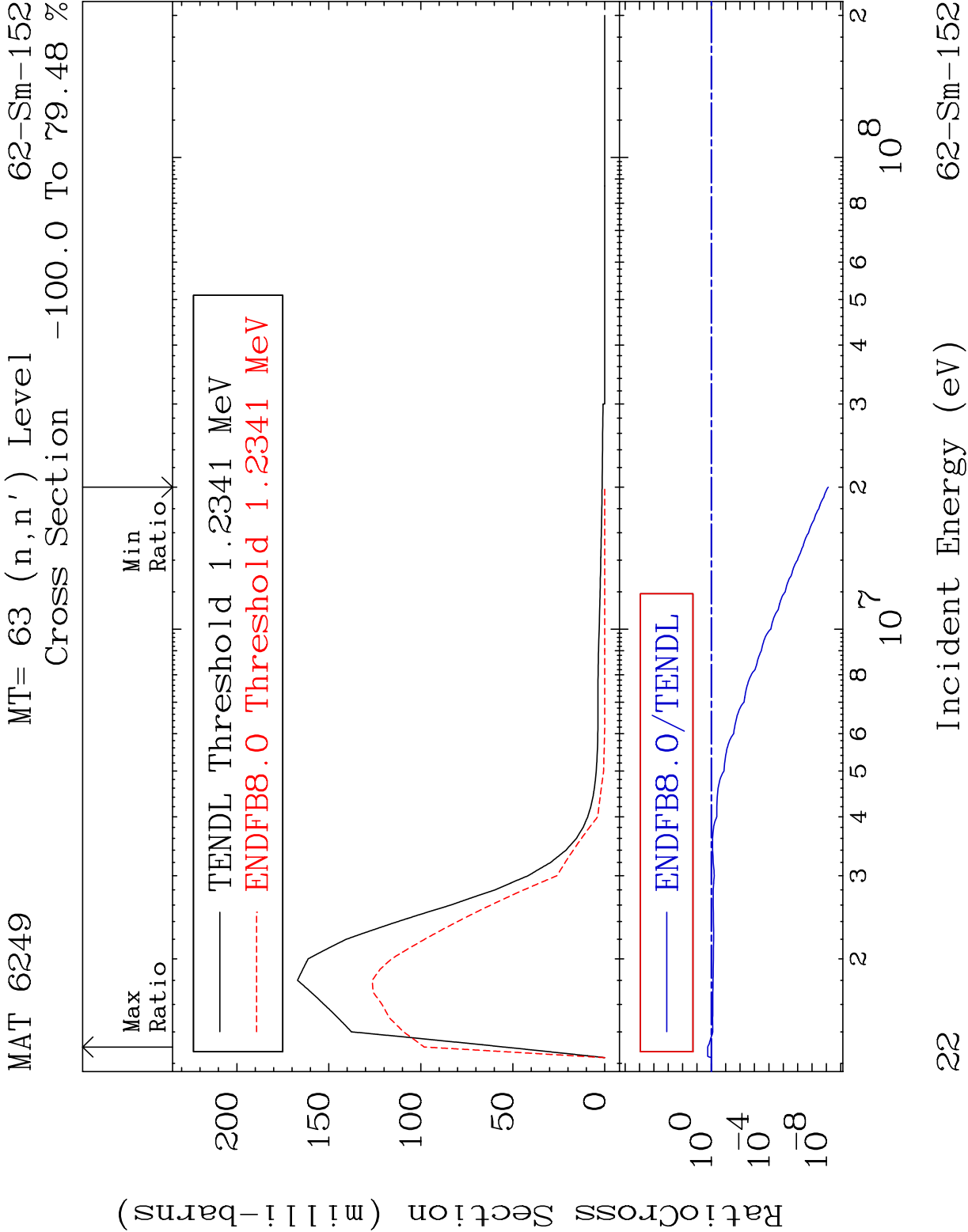
MT= 62 (n,n') Level

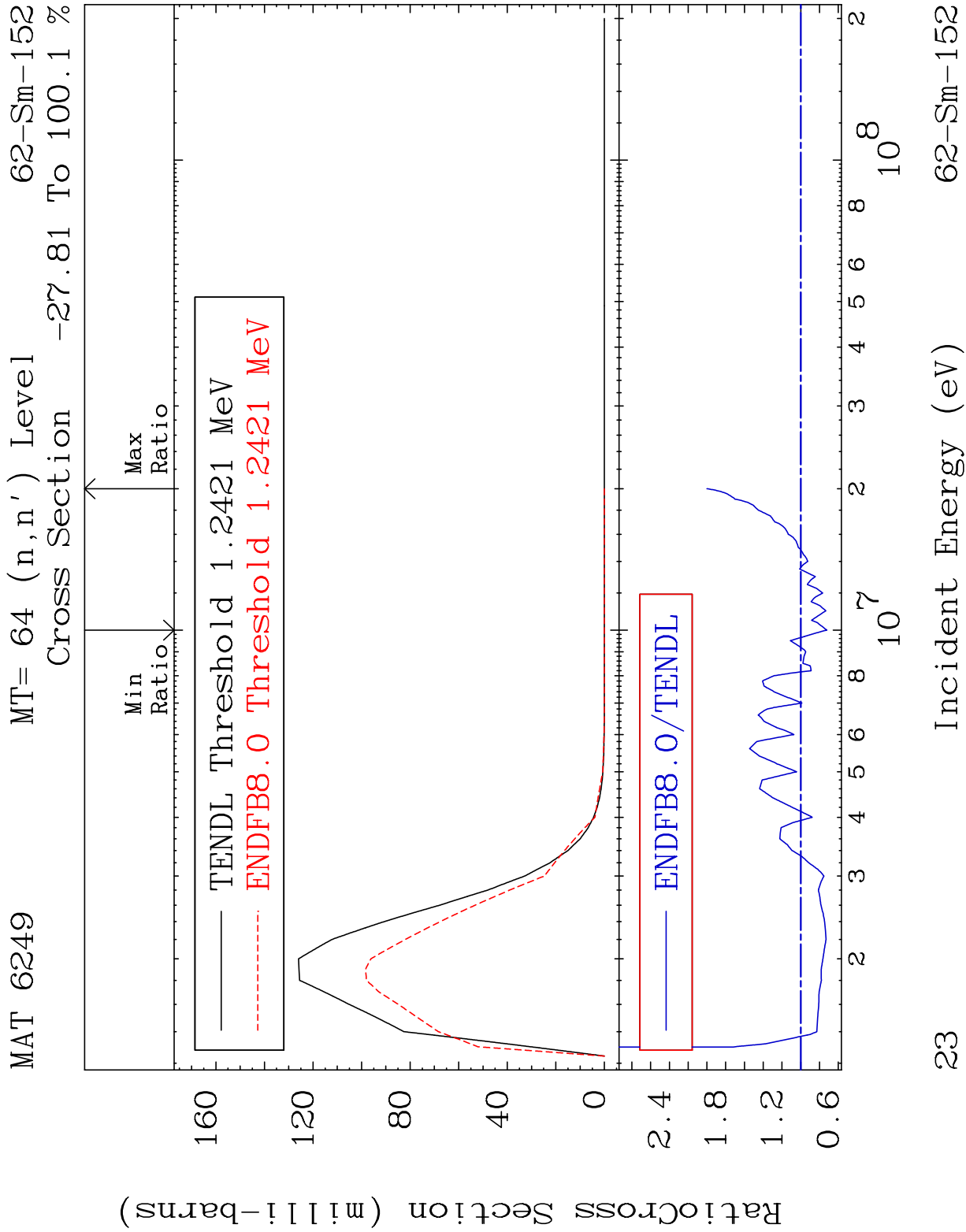
62-Sm-152

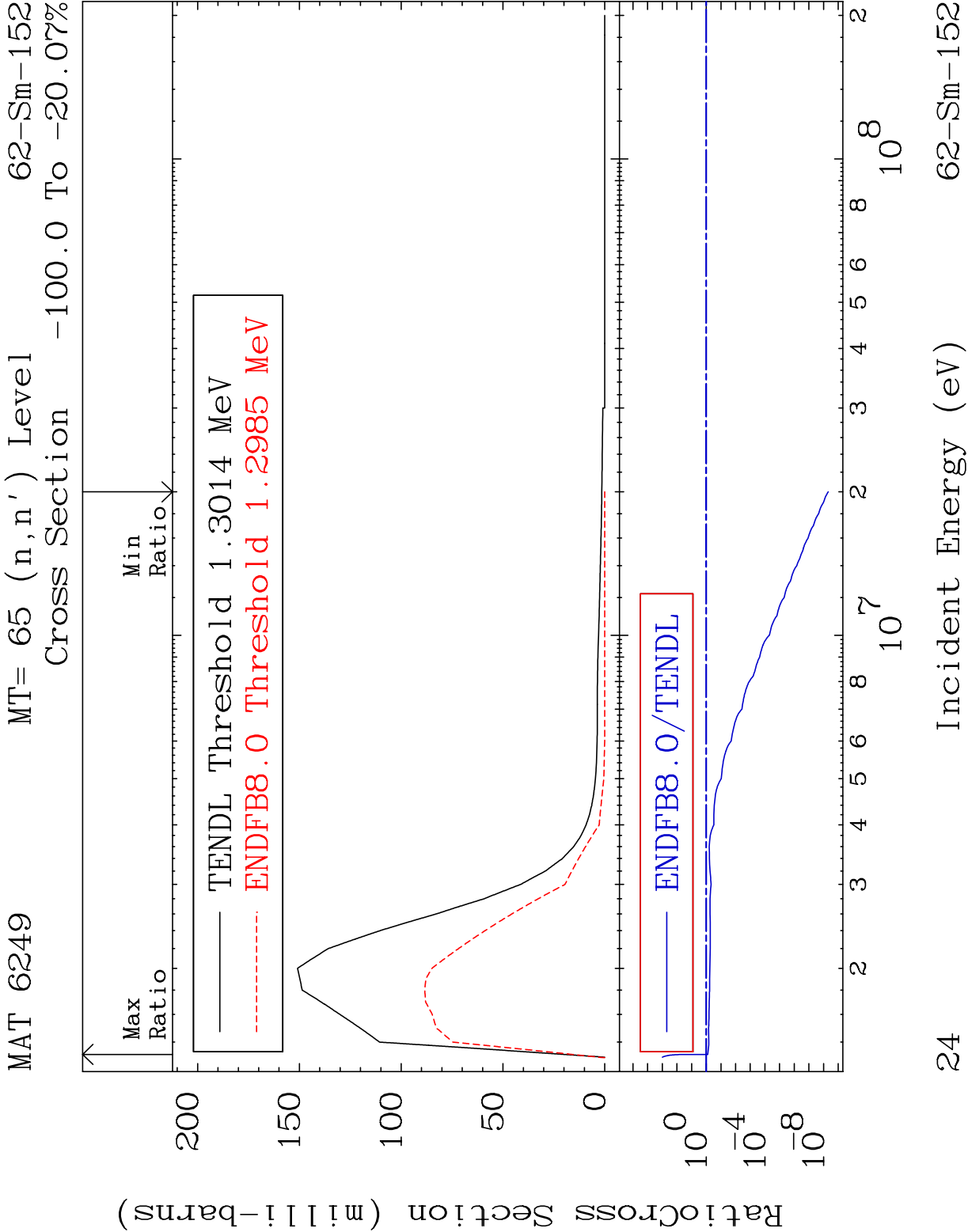
Cross Section

-71.04 To 2382. %







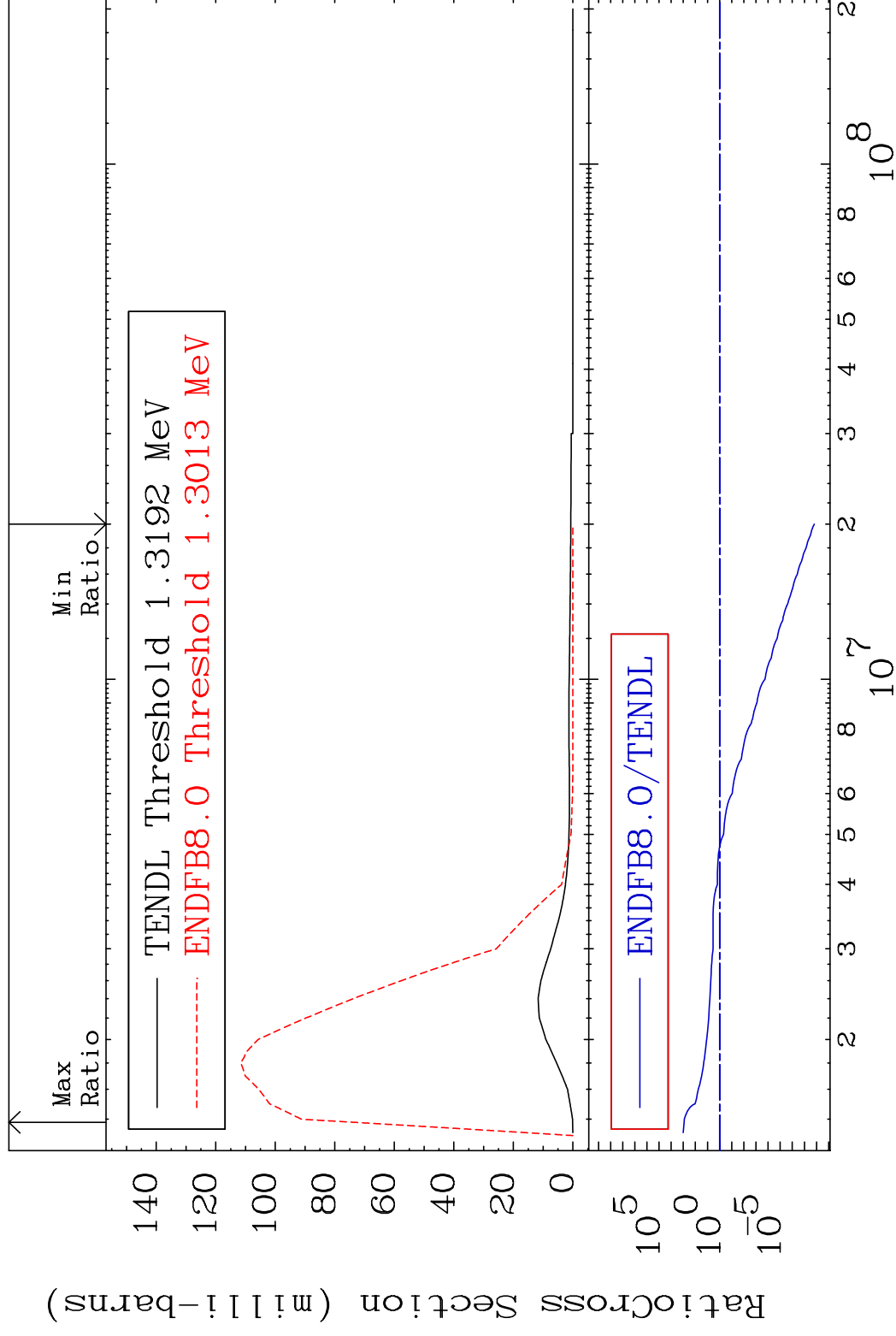


MAT 6249

MT= 66 (n, n') Level

62-Sm-152

Cross Section -100.0 To 9999. %



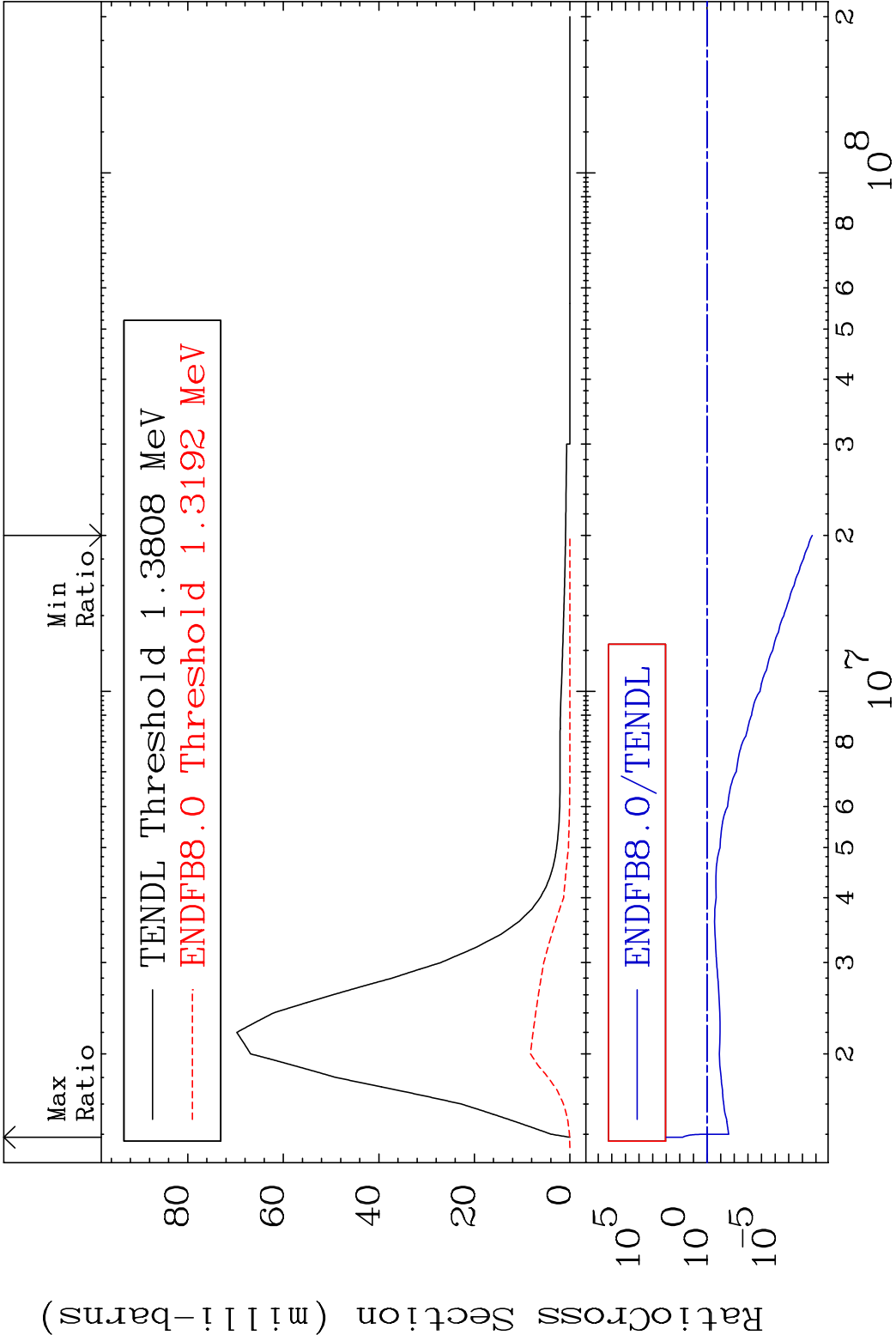
MAT 6249

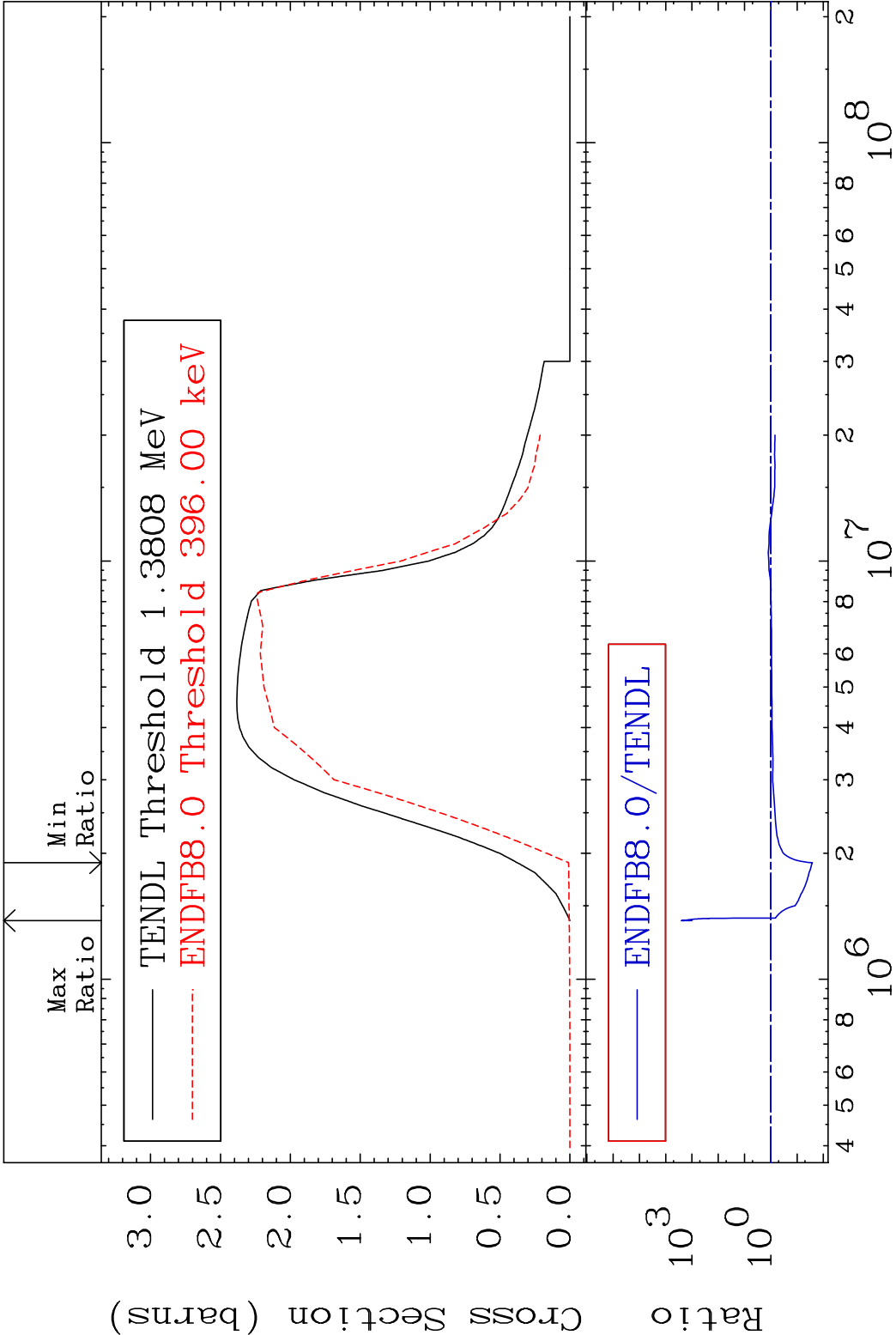
MT= 67 (n,n') Level

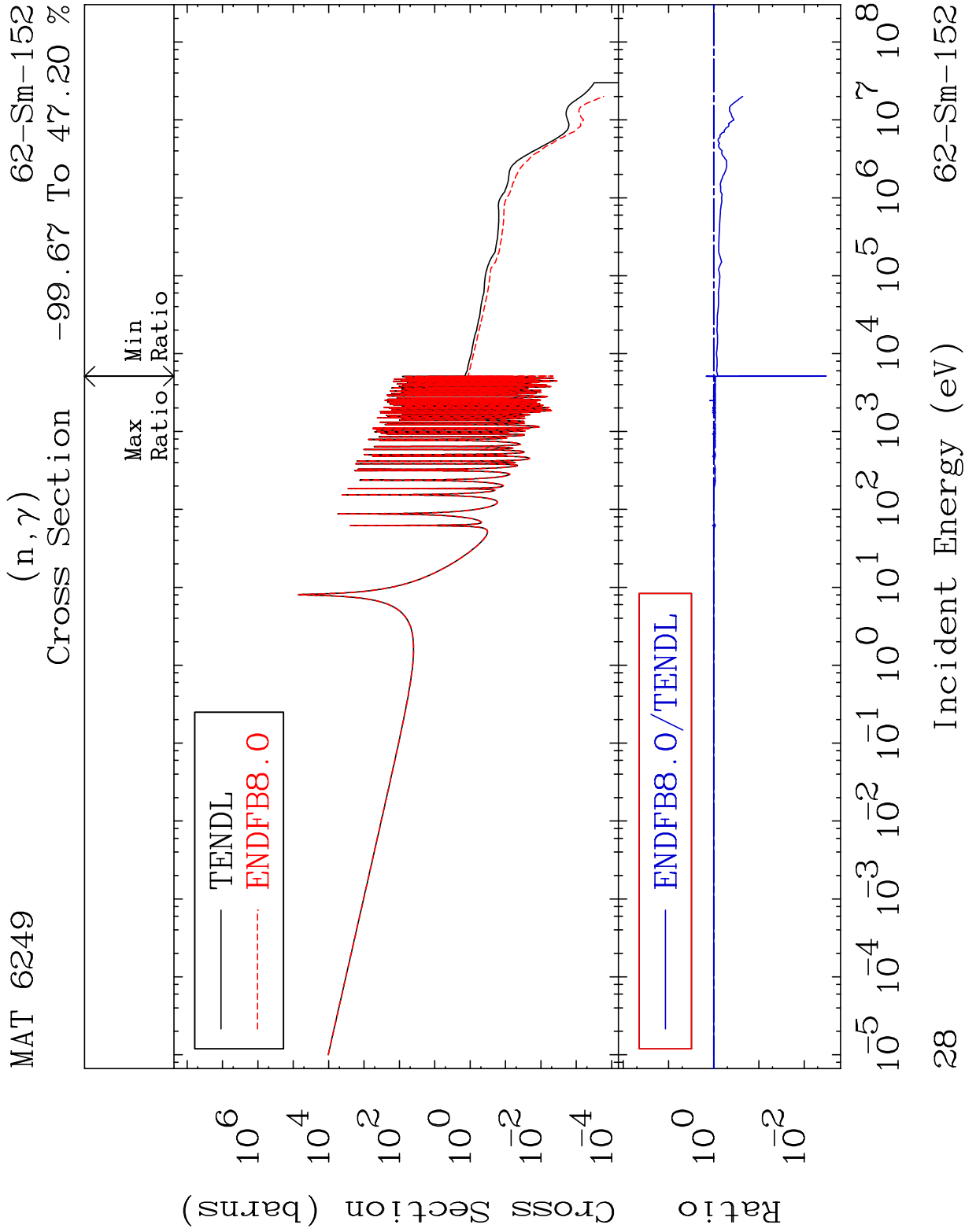
62-Sm-152

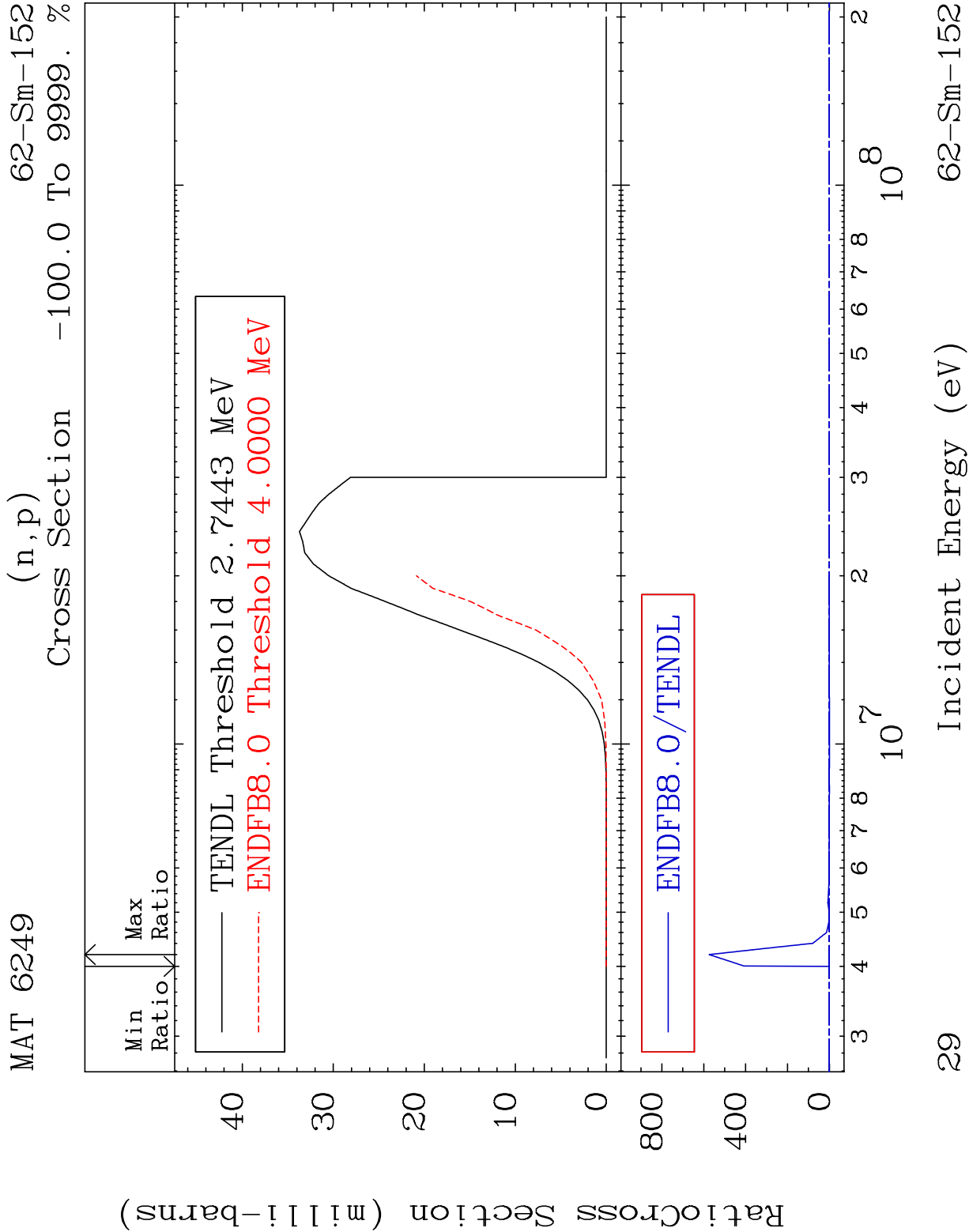
Cross Section

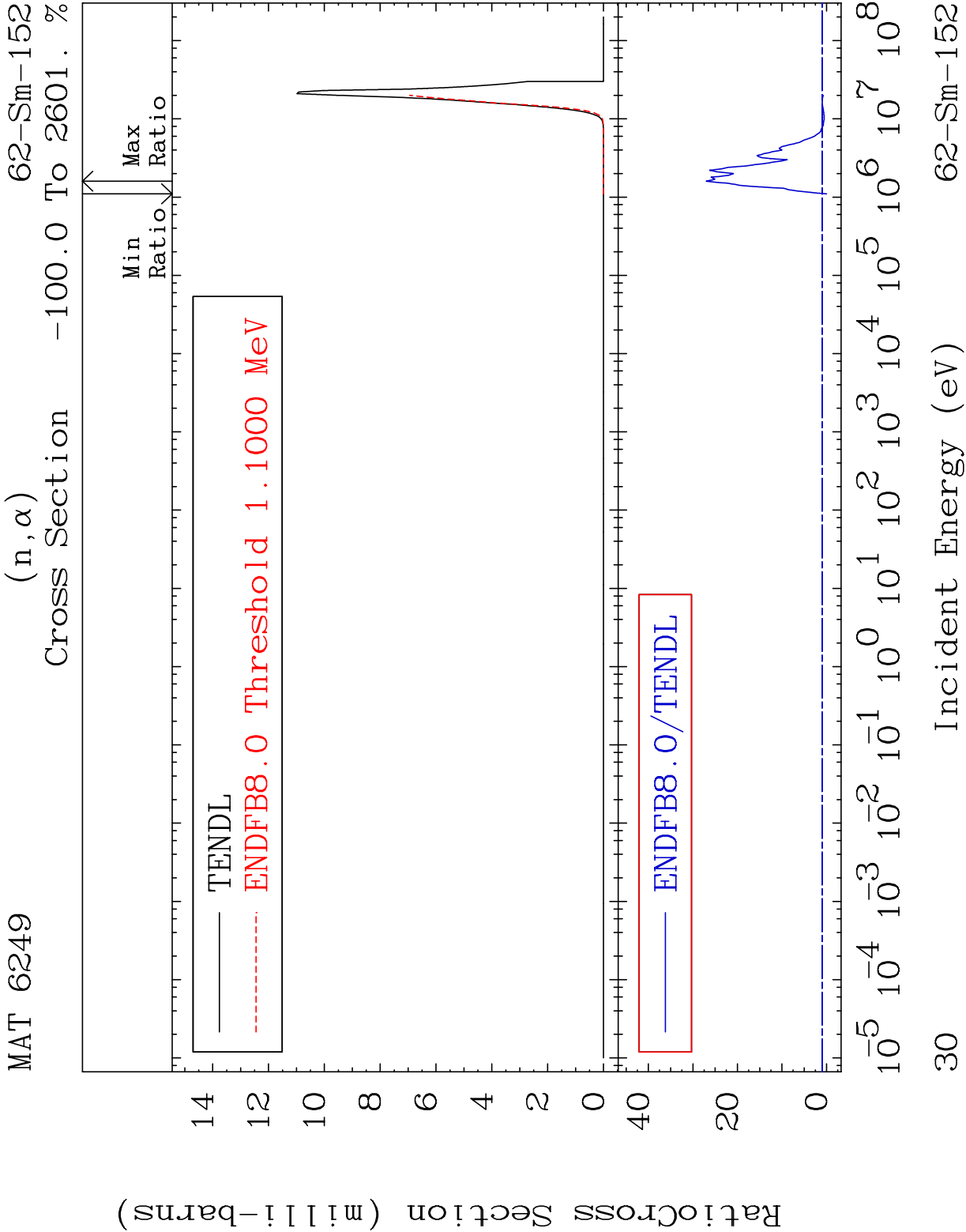
-100.0 To 7411. %

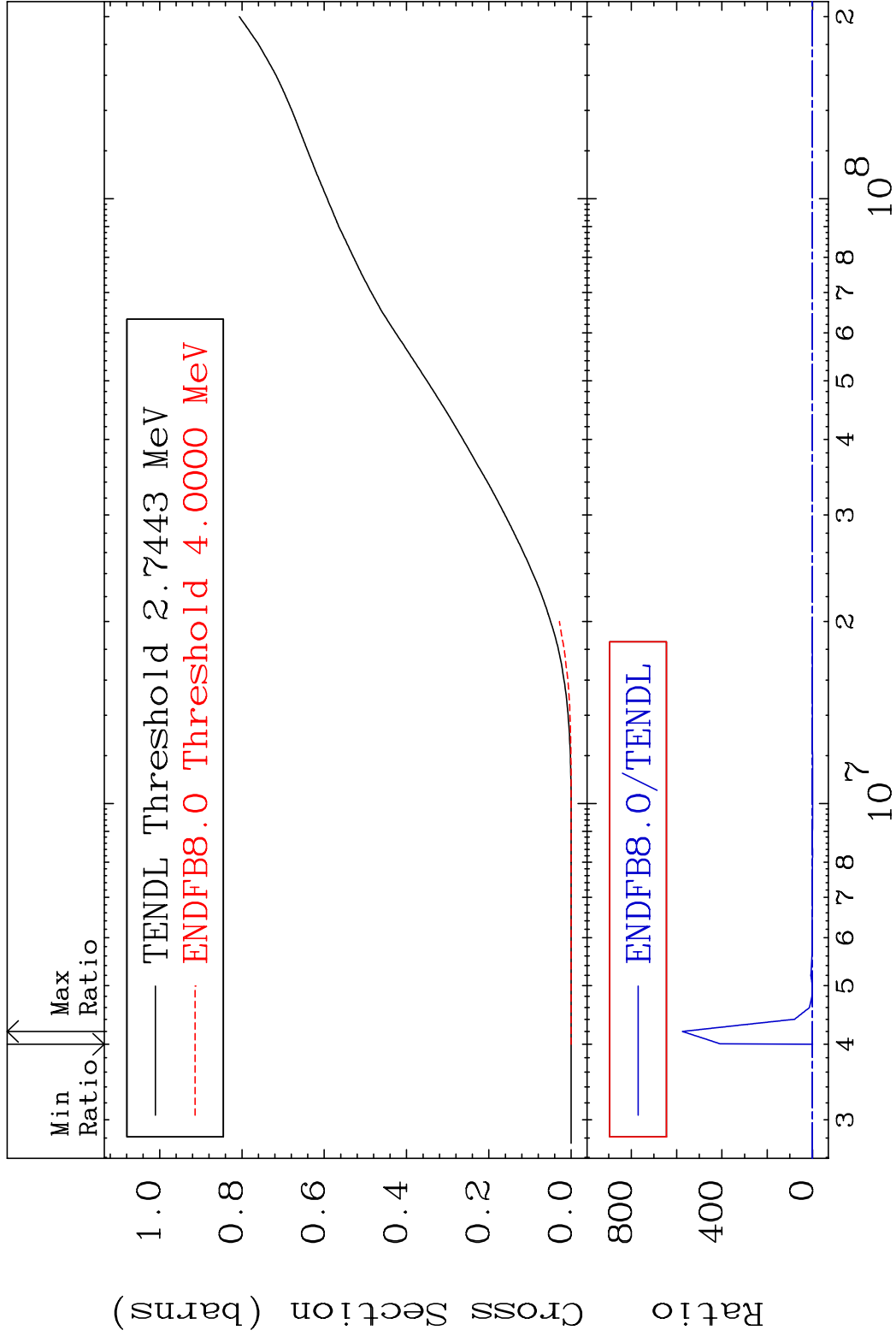












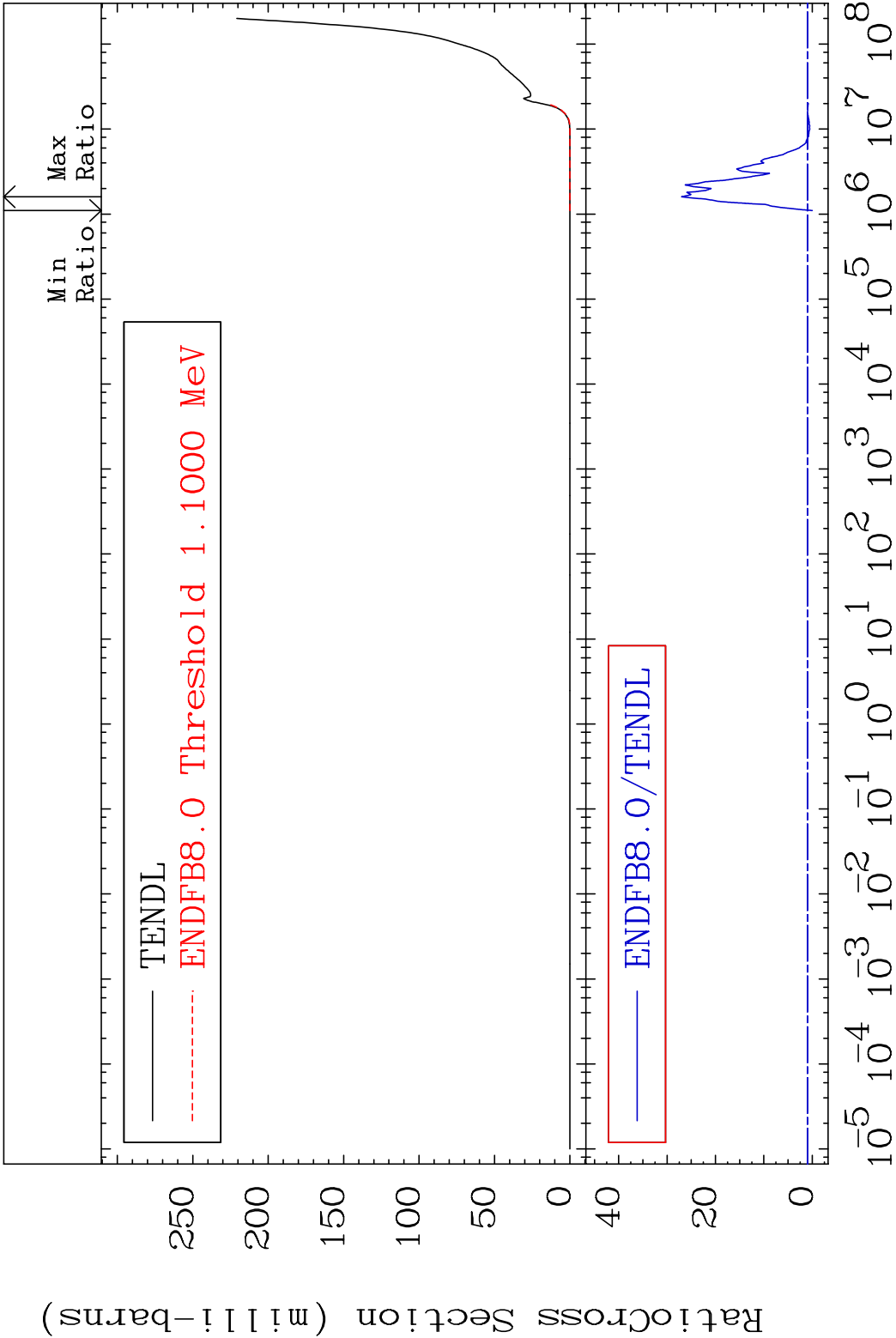
MAT 6249

He-4 Production

62-Sm-152

Cross Section

-100.0 To 2601. %



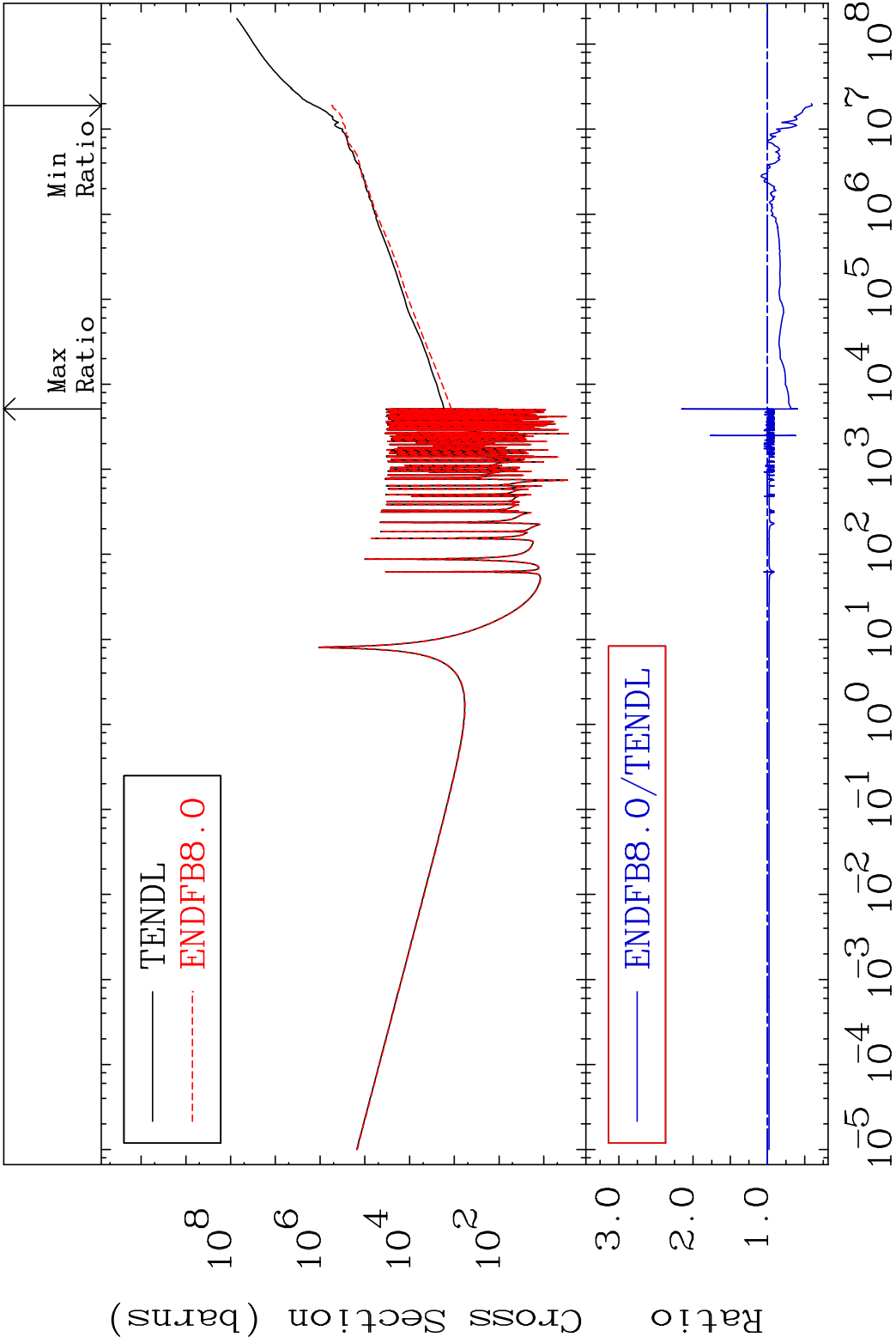
MAT 6249

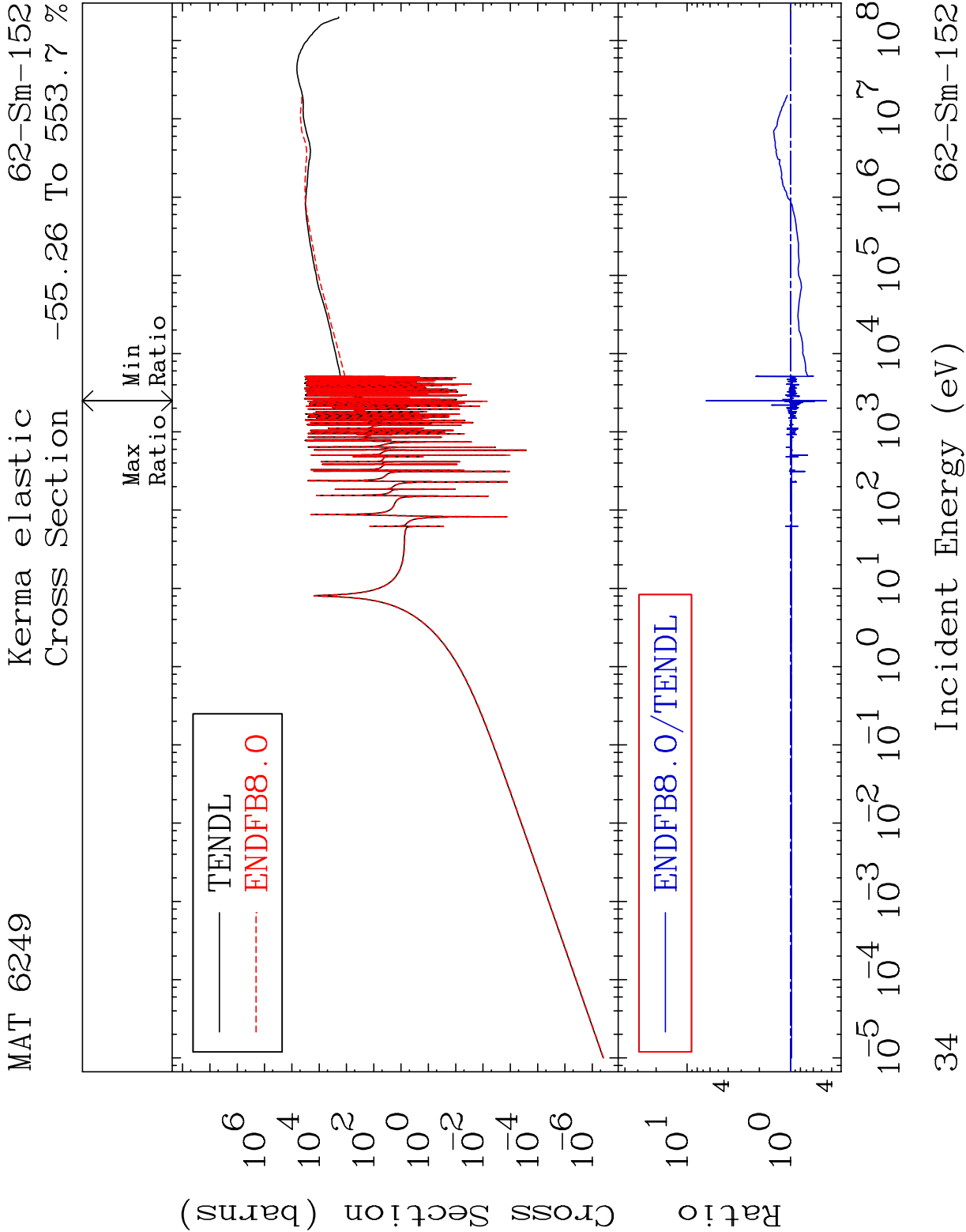
Kerma total (eV-barns)

62-Sm-152

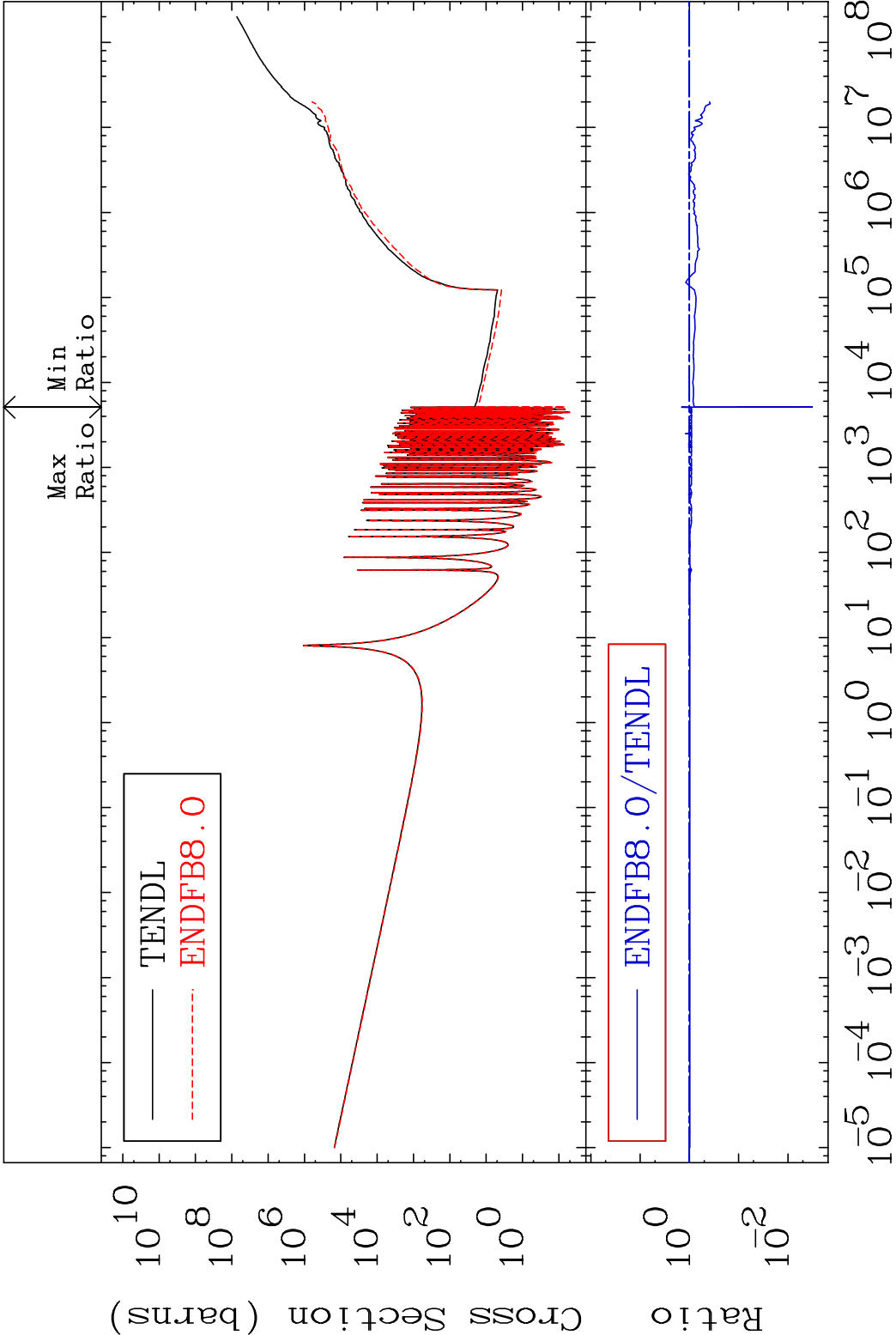
Cross Section

-60.23 To 115.6 %

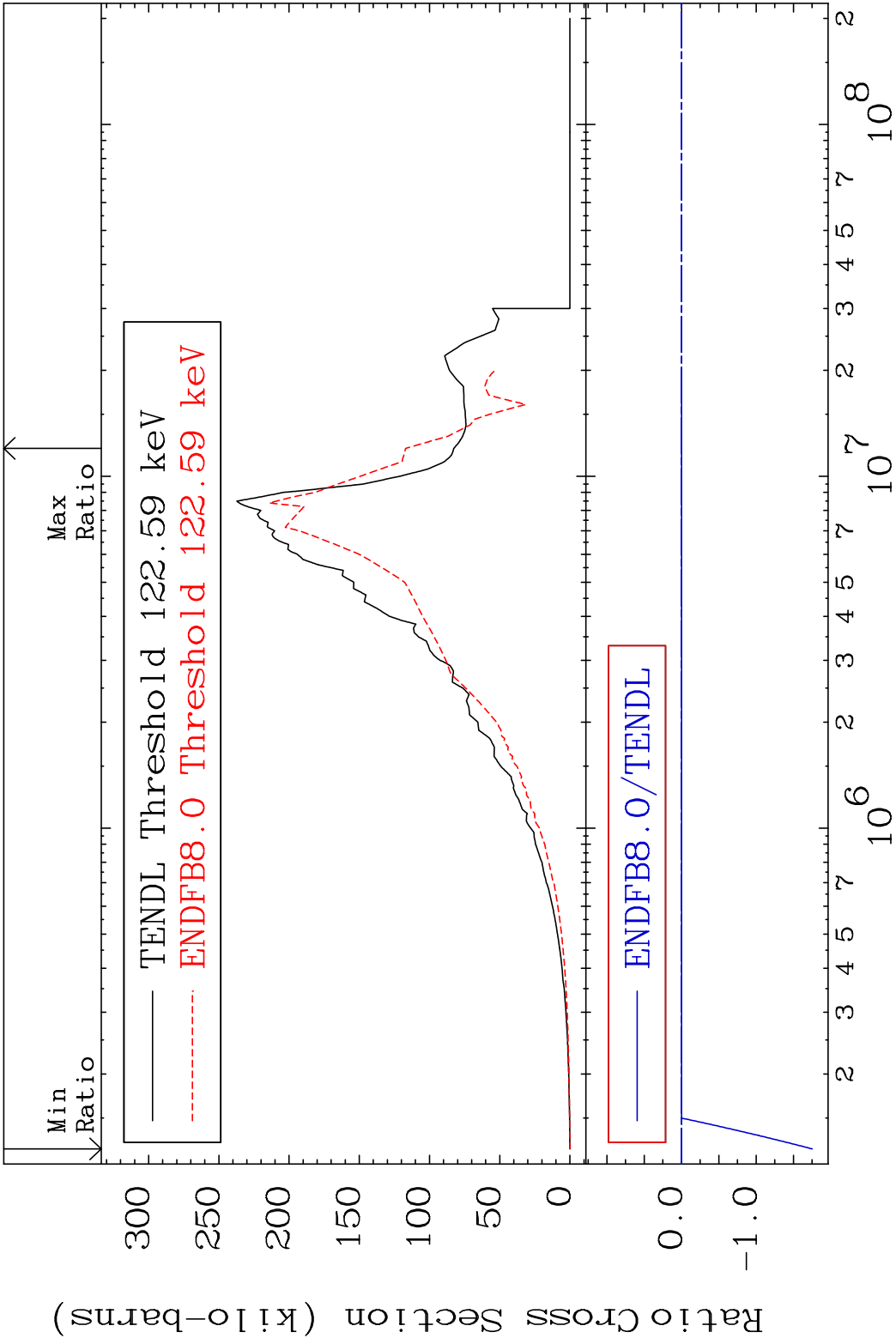




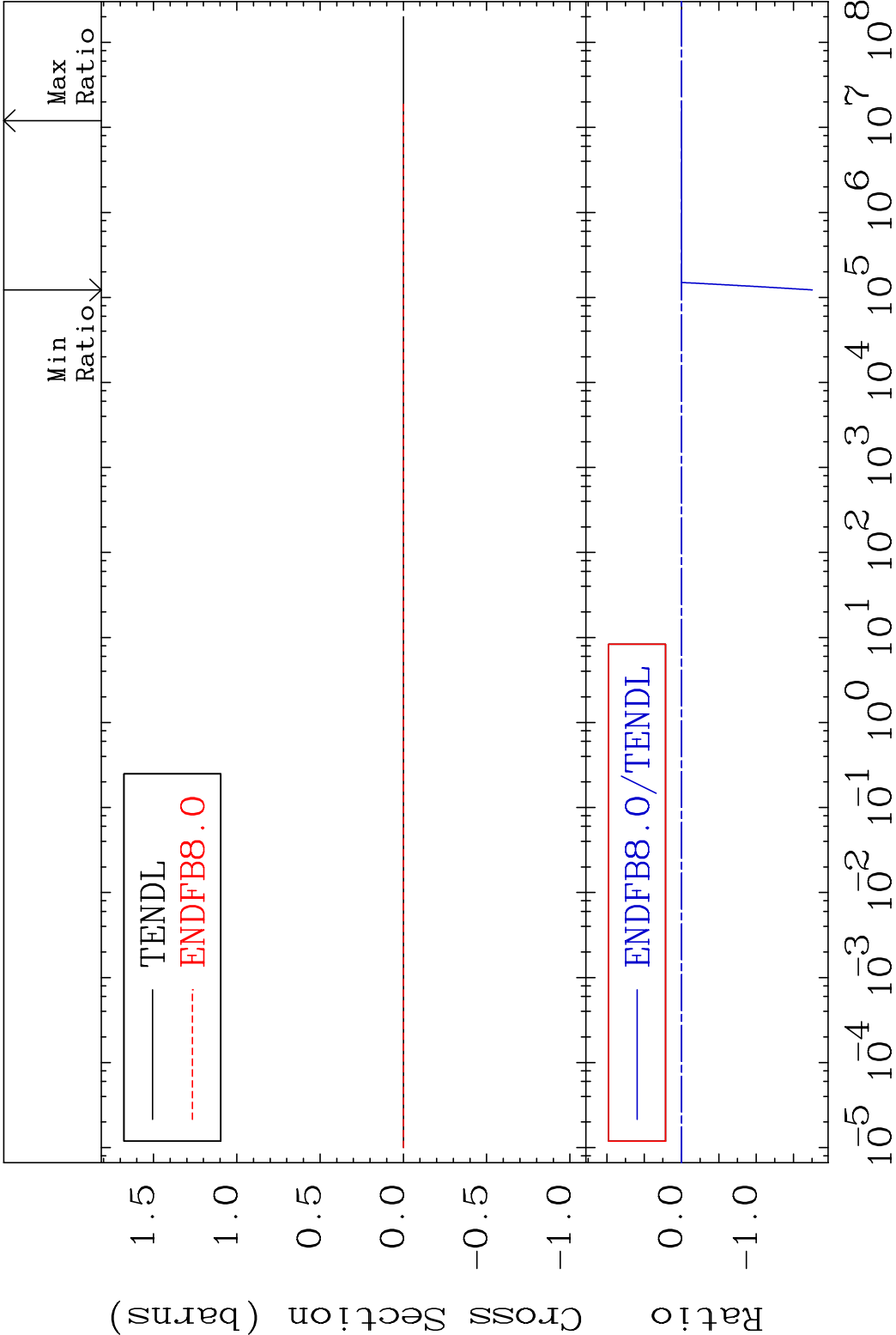
MAT 6249 Kerma non-elastic (all but mt2) 62-Sm-152
Cross Section -99.68 To 44.28 %



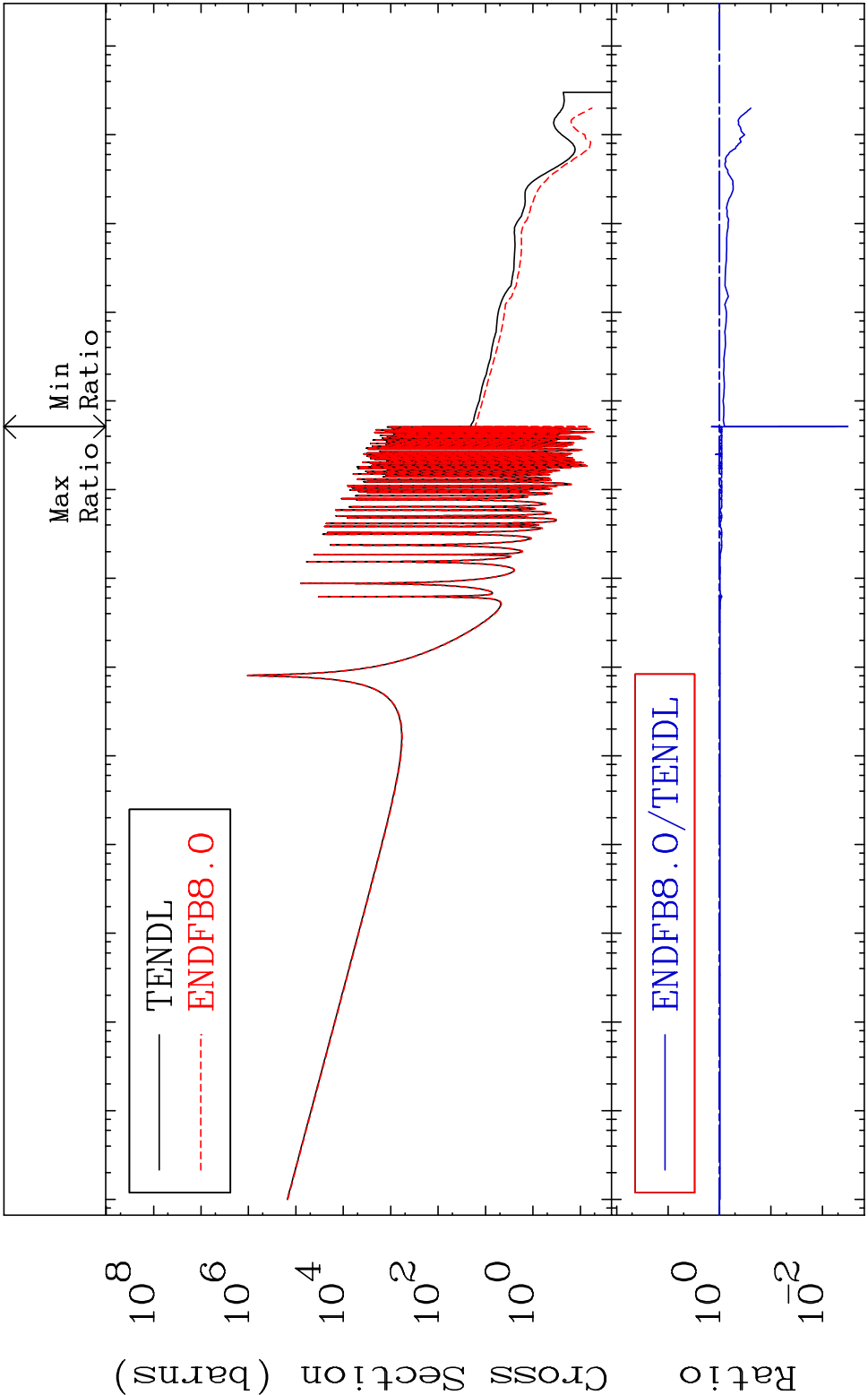
35 Incident Energy (eV) 62-Sm-152



MAT 6249Kerma fission (mt18 or mt19-20-21-38)62-Sm-152
Cross Section -9999. To 41.36 %



MAT 6249 Kerma capture (mt102) 62-Sm-152
 Cross Section -99.68 To 44.28 %



38 Incident Energy (eV) 62-Sm-152

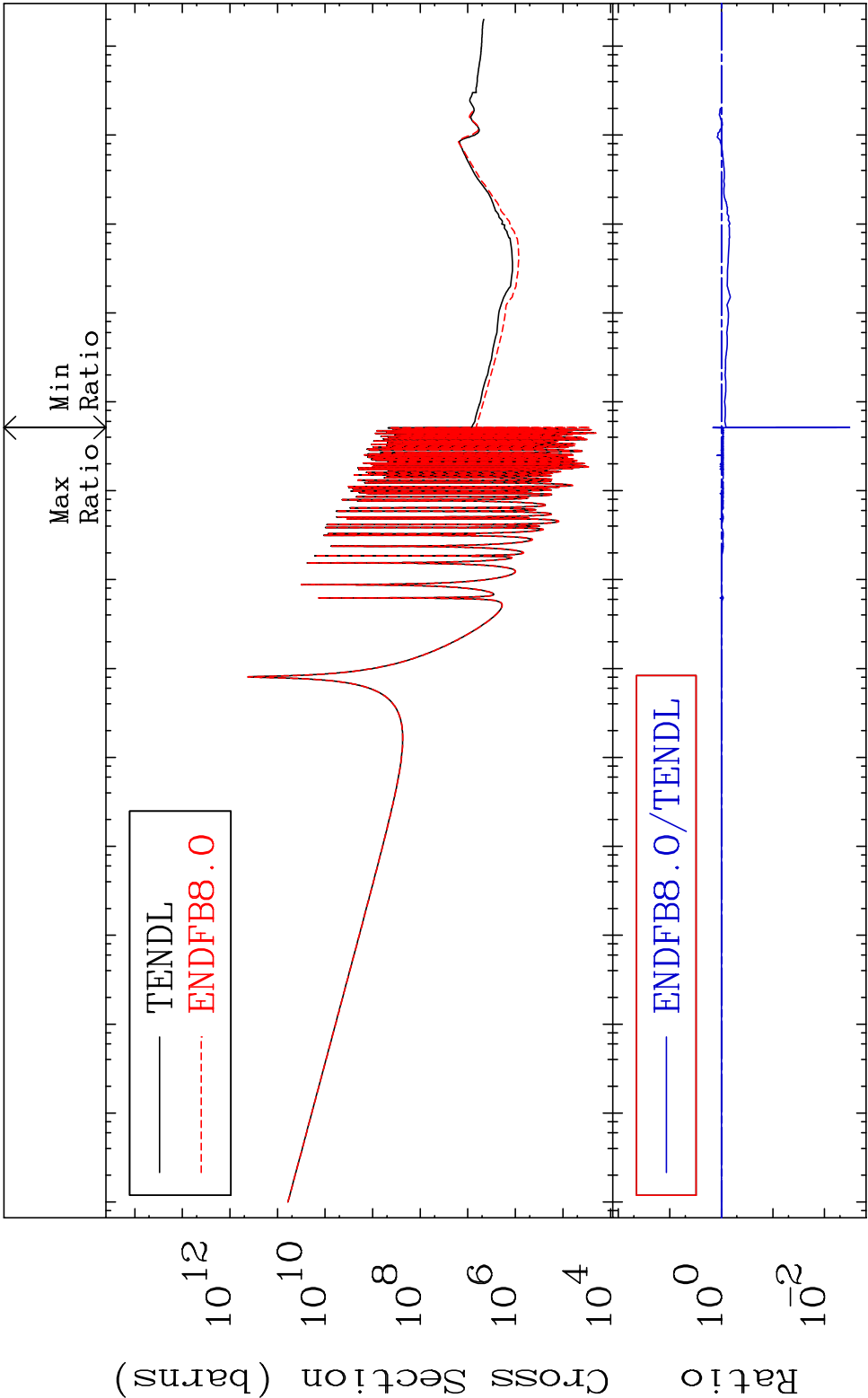
MAT 6249

Total photon (eV-barns)

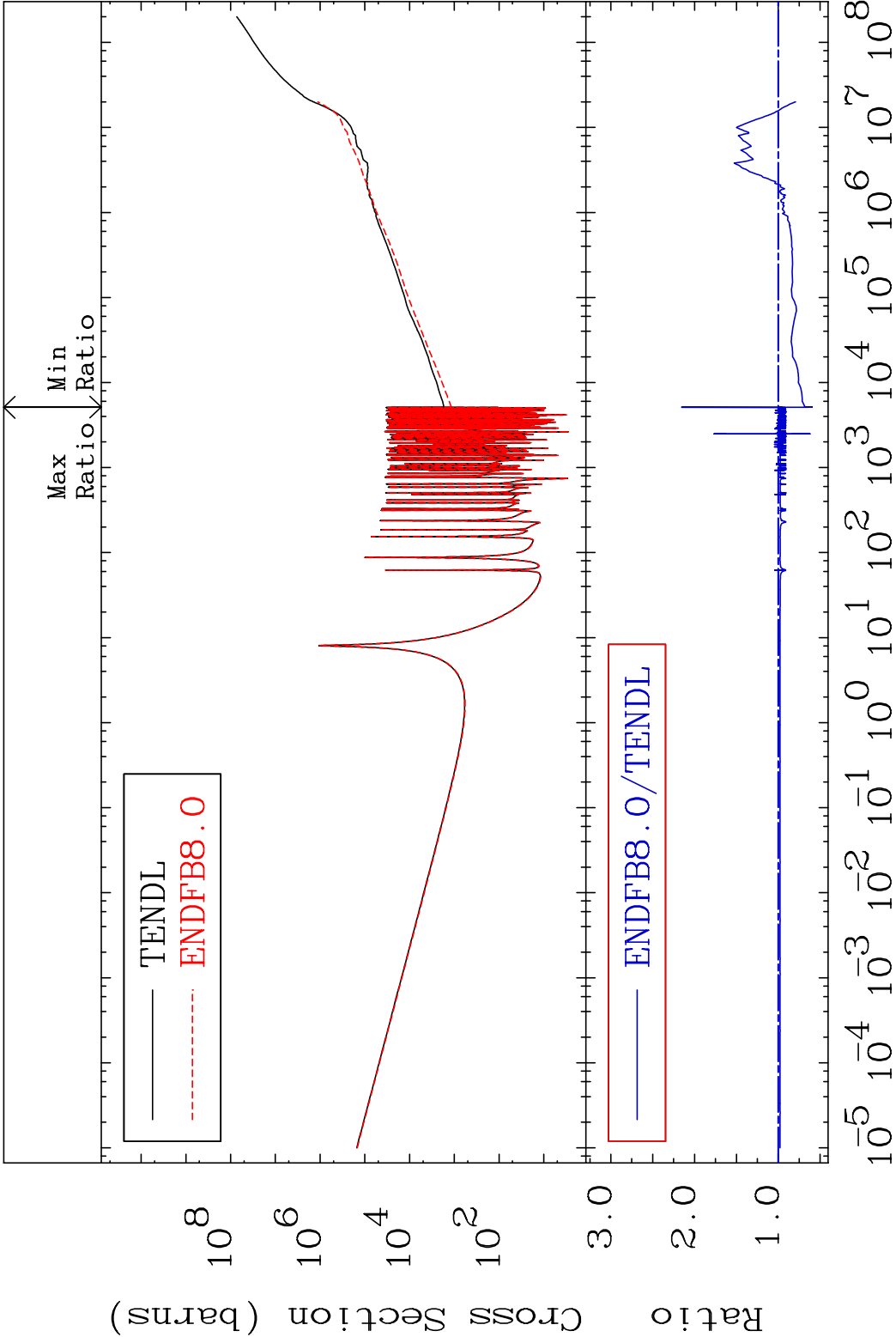
62-Sm-152

Cross Section

-99.67 To 46.69 %



MAT 6249 Total kinematic kerma (high limit) 62-Sm-152
Cross Section -40.58 To 115.6 %



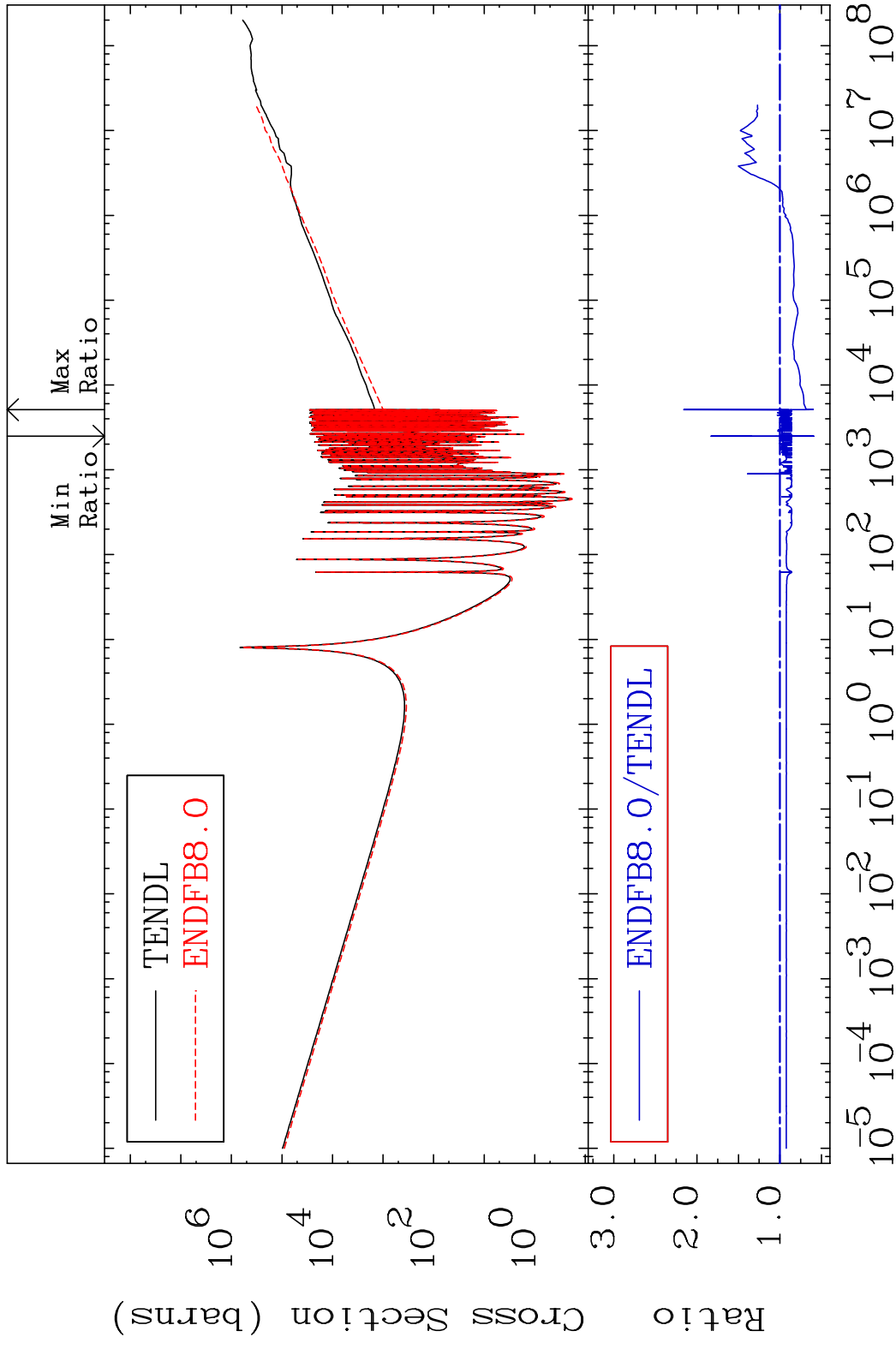
40 Incident Energy (eV) 62-Sm-152

MAT 6249

Dpa total (eV-barns)

62-Sm-152

Cross Section

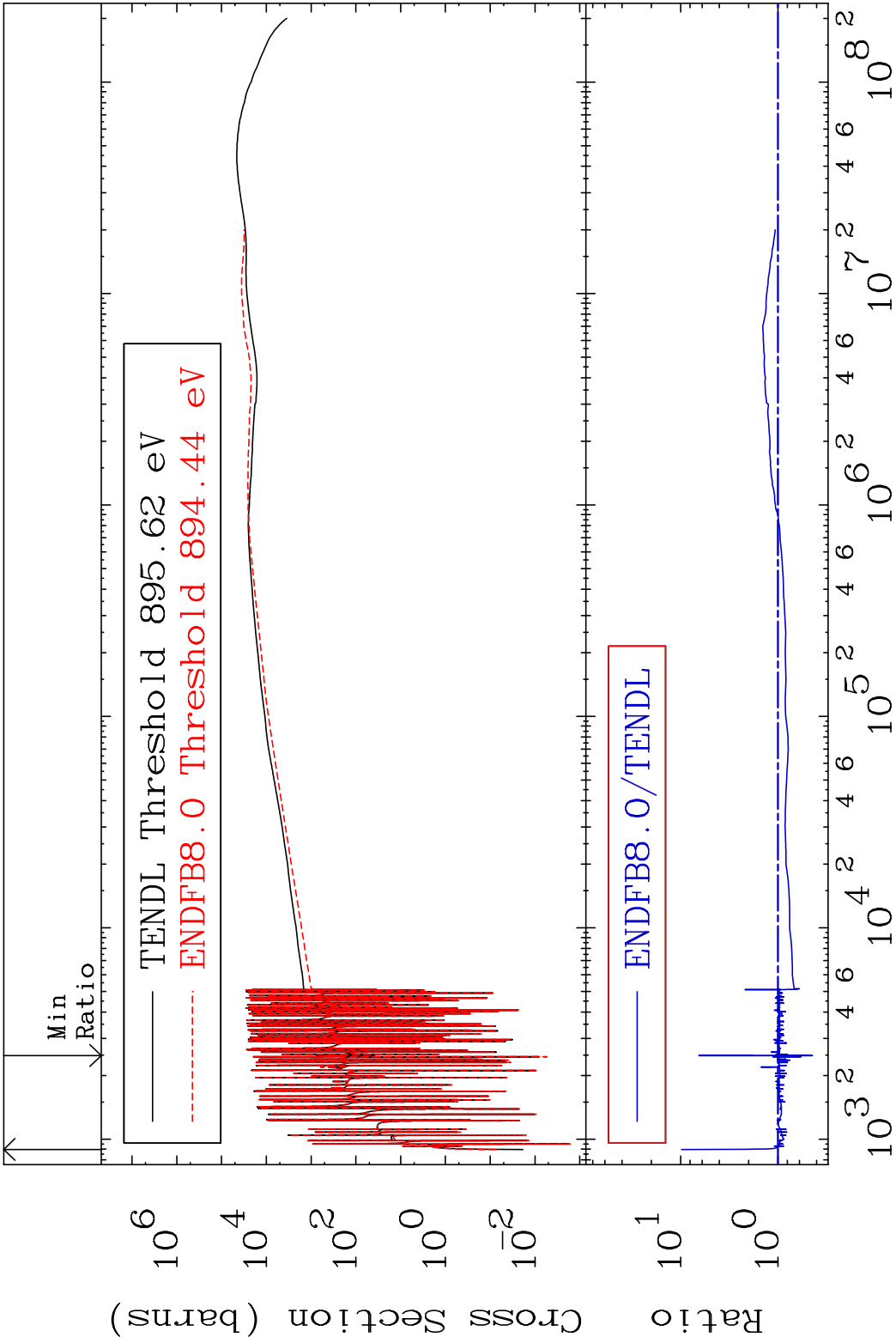


41

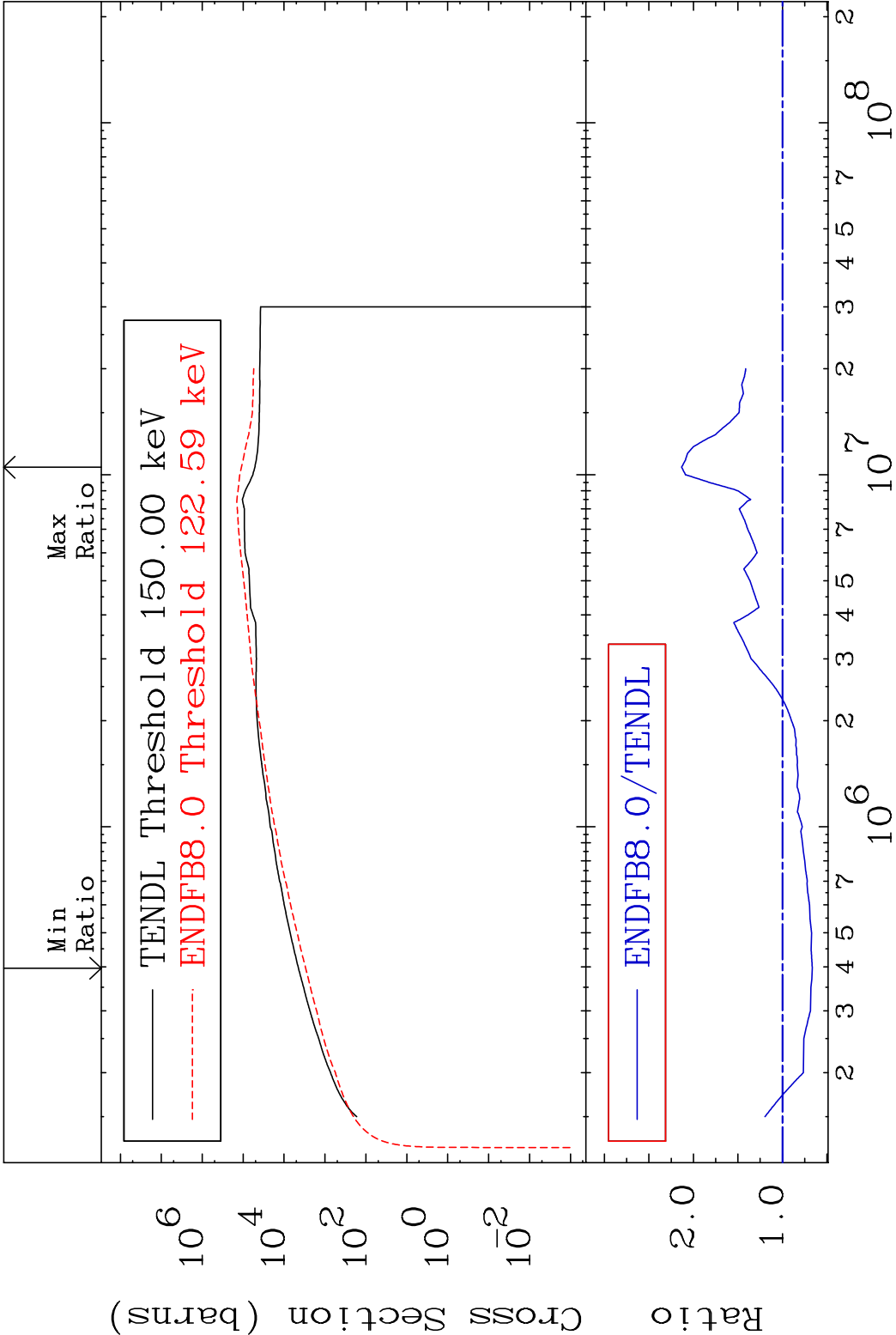
Incident Energy (eV)

62-Sm-152

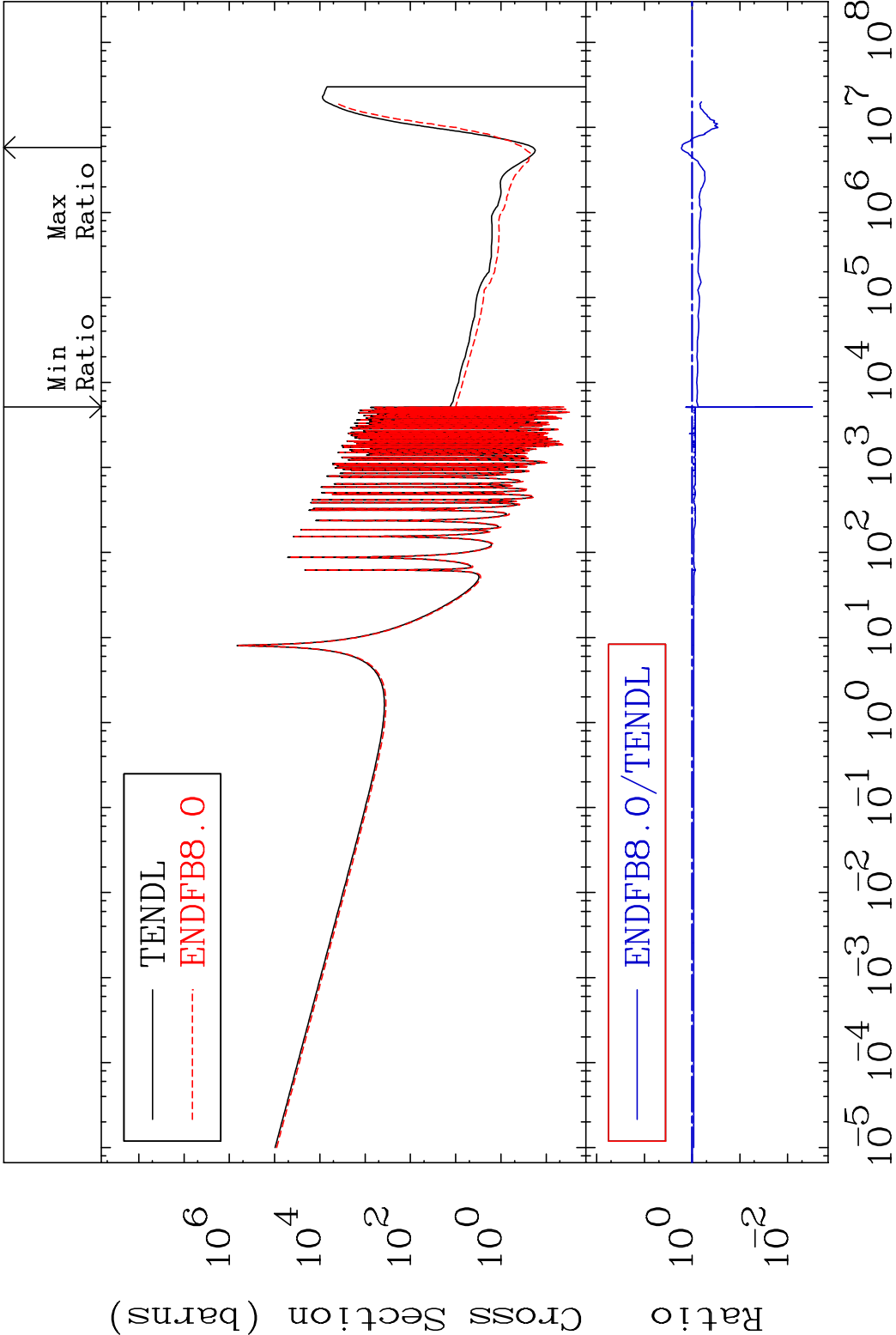
MAT 6249	Dpa elastic (mt2)	62-Sm-152
	Cross Section	-55.54 To 880.3 %



42	Incident Energy (eV)	62-Sm-152
----	----------------------	-----------



MAT 6249 Dpa disappearance (mt102 -120) 62-Sm-152
Cross Section -99.70 To 66.84 %



44 Incident Energy (eV) 62-Sm-152