

Program Complot
(Version 2018-1)

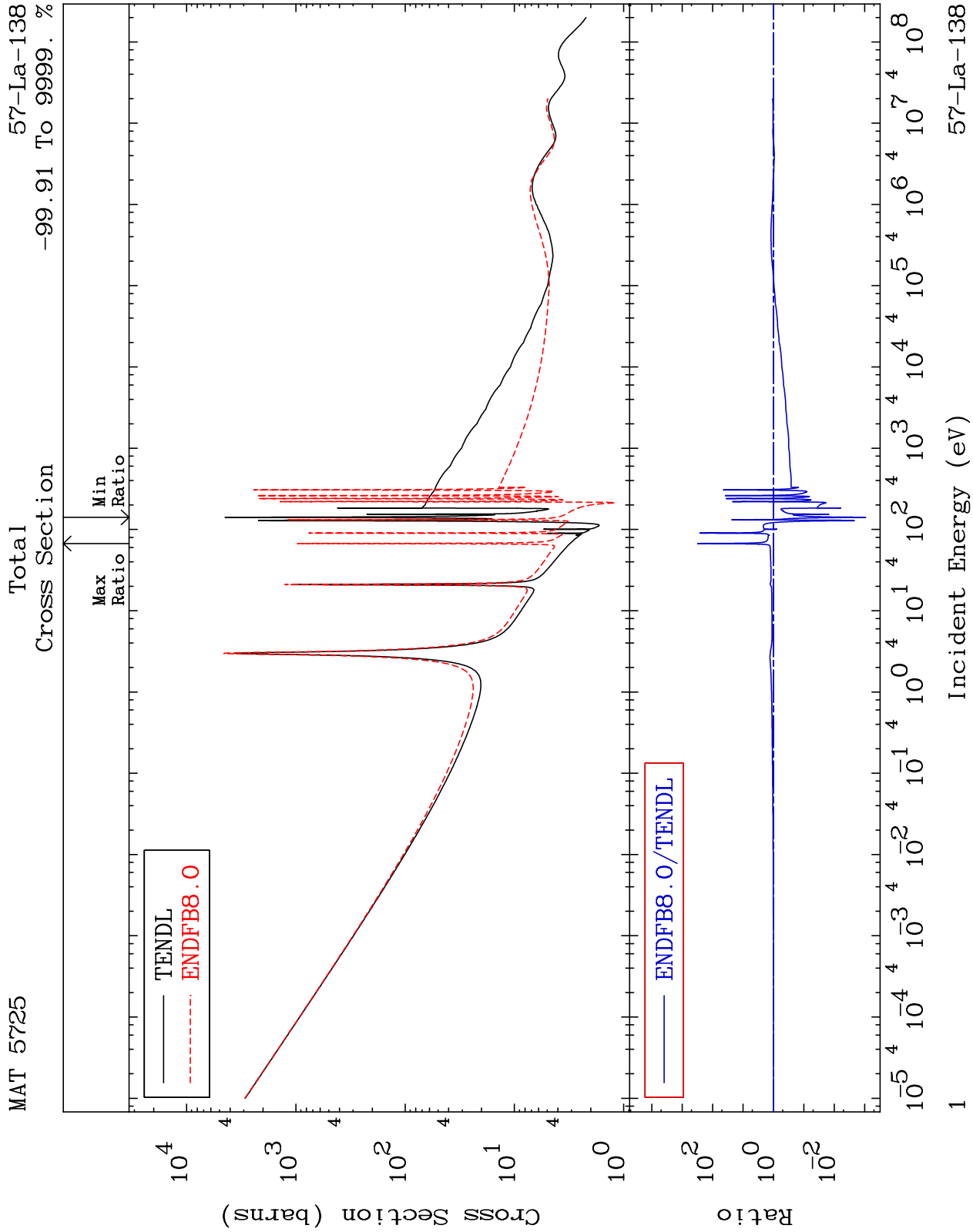
by

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



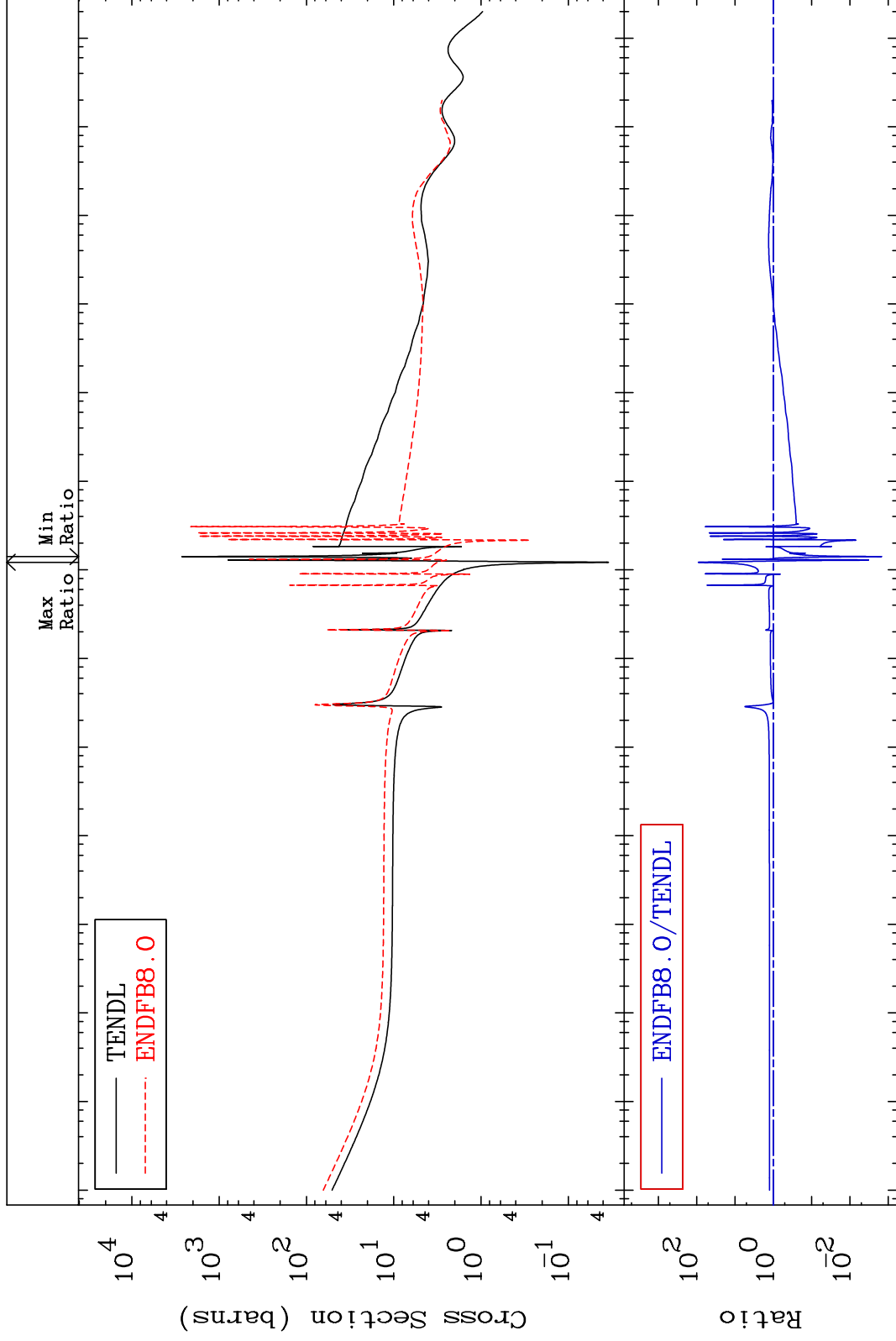
MAT 5725

Elastic

57-La-138

Cross Section

-99.85 To 8943. %



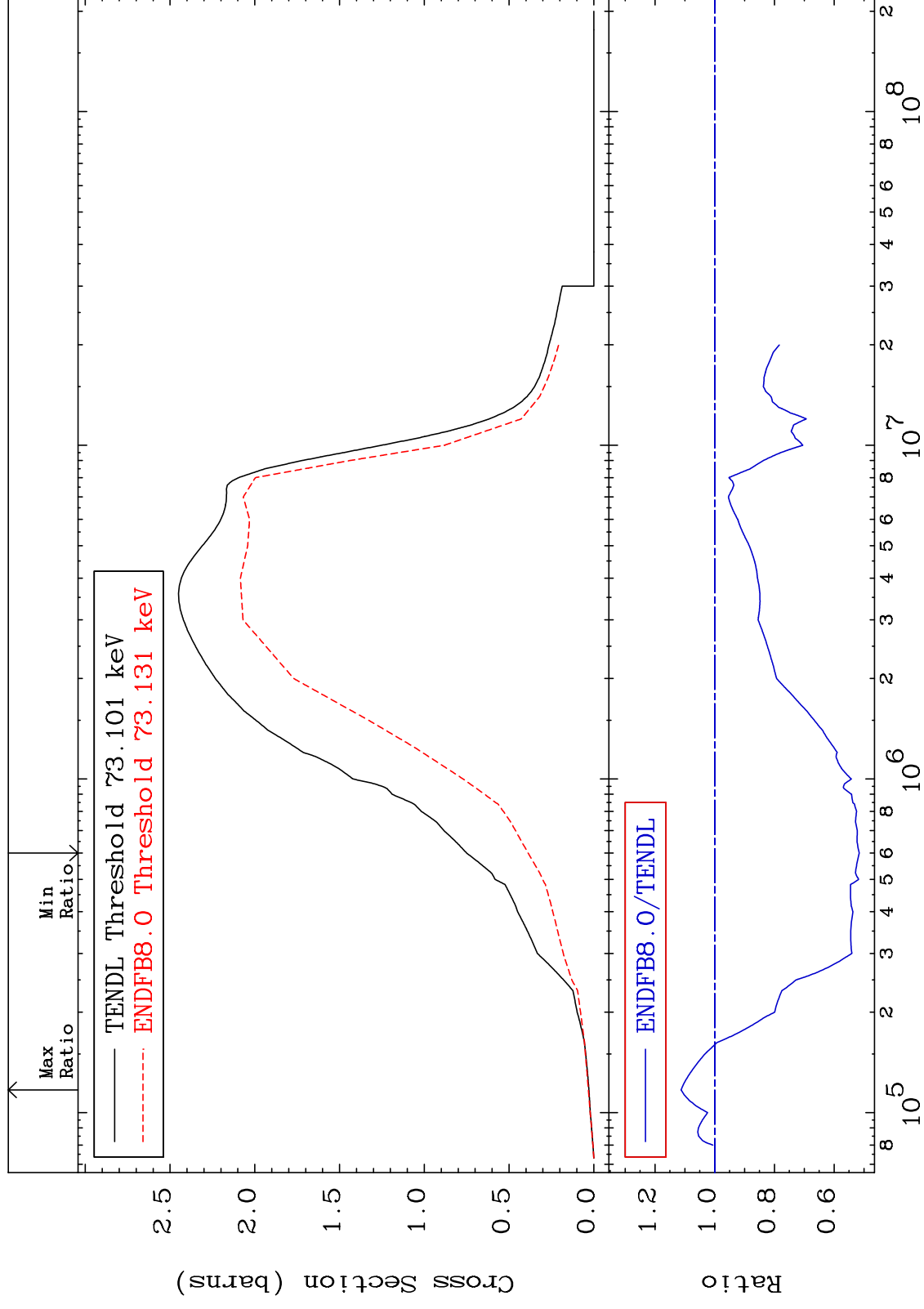
MAT 5725

Inelastic

57-La-138

Cross Section

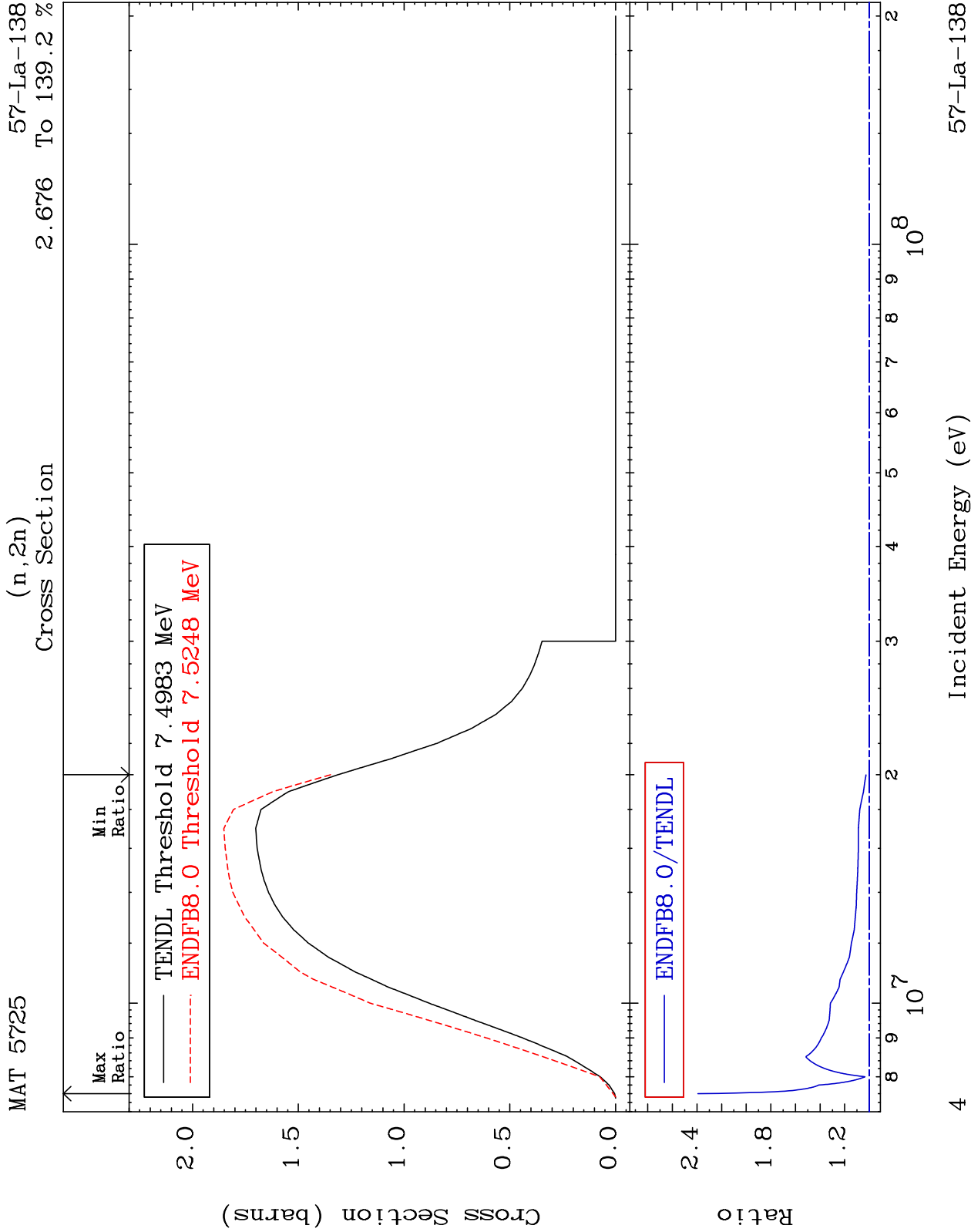
-48.43 To 11.27 %

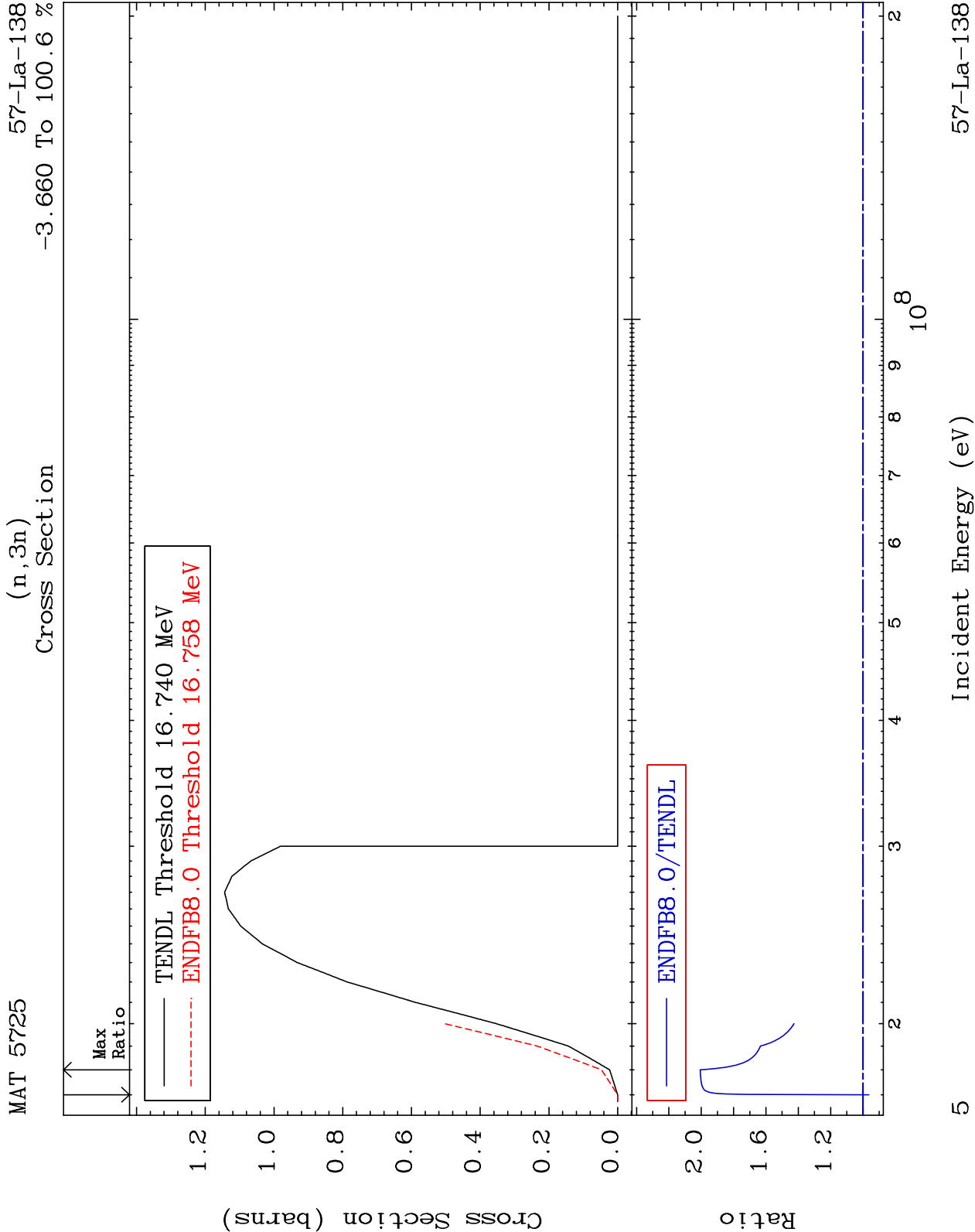


3

Incident Energy (eV)

57-La-138





MAT 5725

$$(n, n') \propto$$

57-La-138

32.76 To 9999. %

Cross Section

Max
RatioMin
Ratio

TENDL Threshold 2.0621 MeV

----- ENDFB8.0 Threshold 2.0518 MeV

ENDFB8.0/TENDL

6

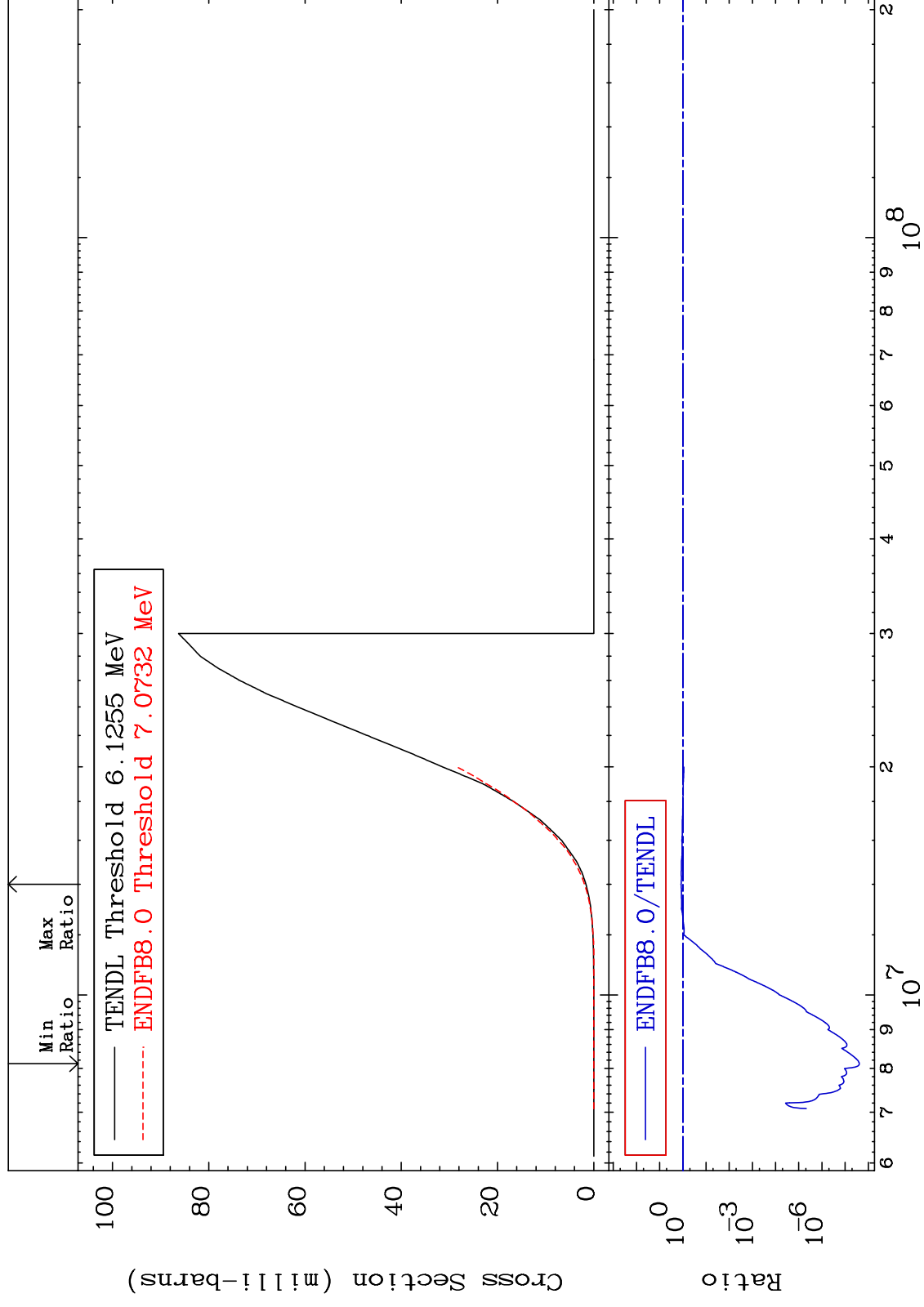
Incident Energy (eV)

57-La-138

MAT 5725

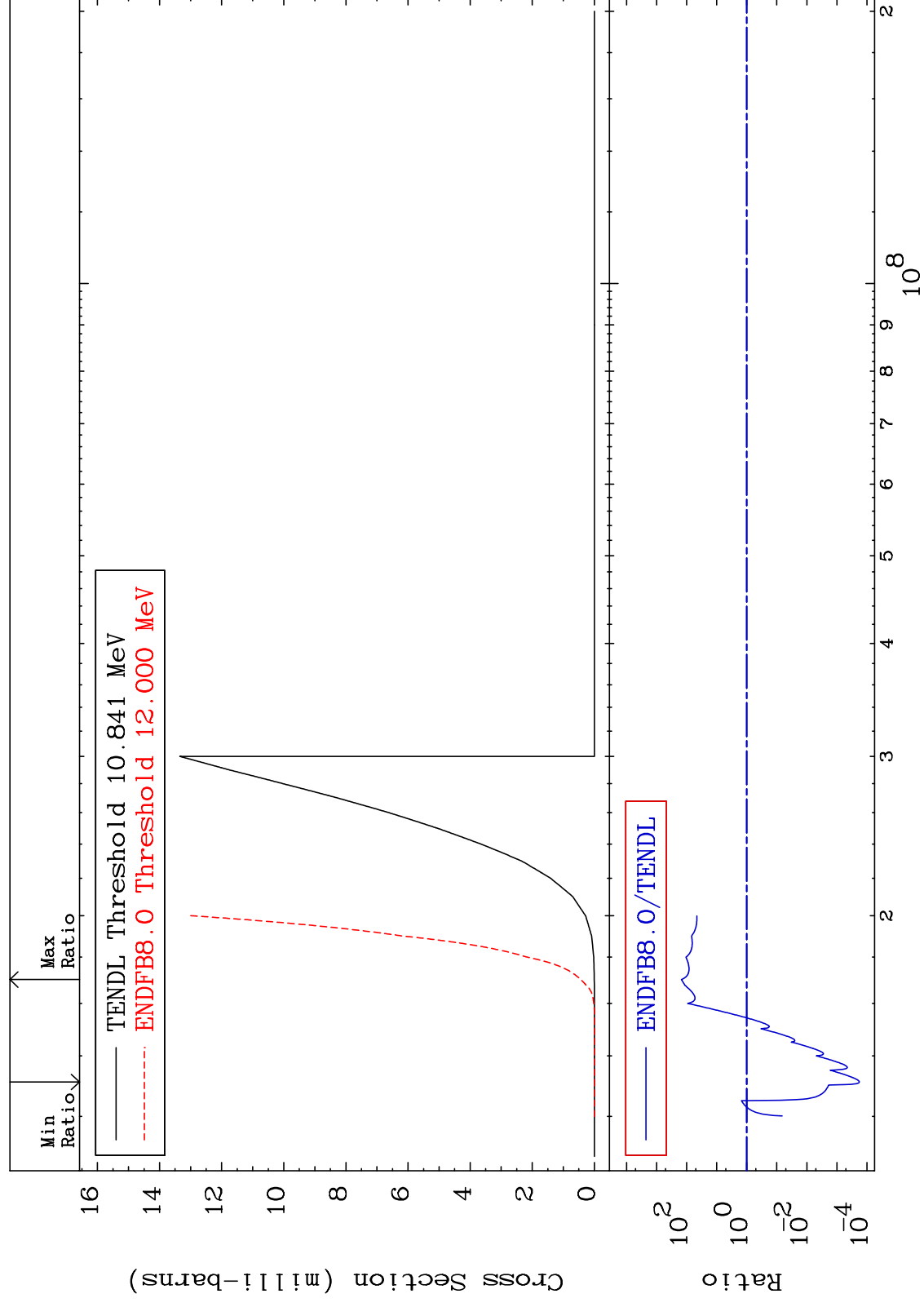
(n, n') p
Cross Section

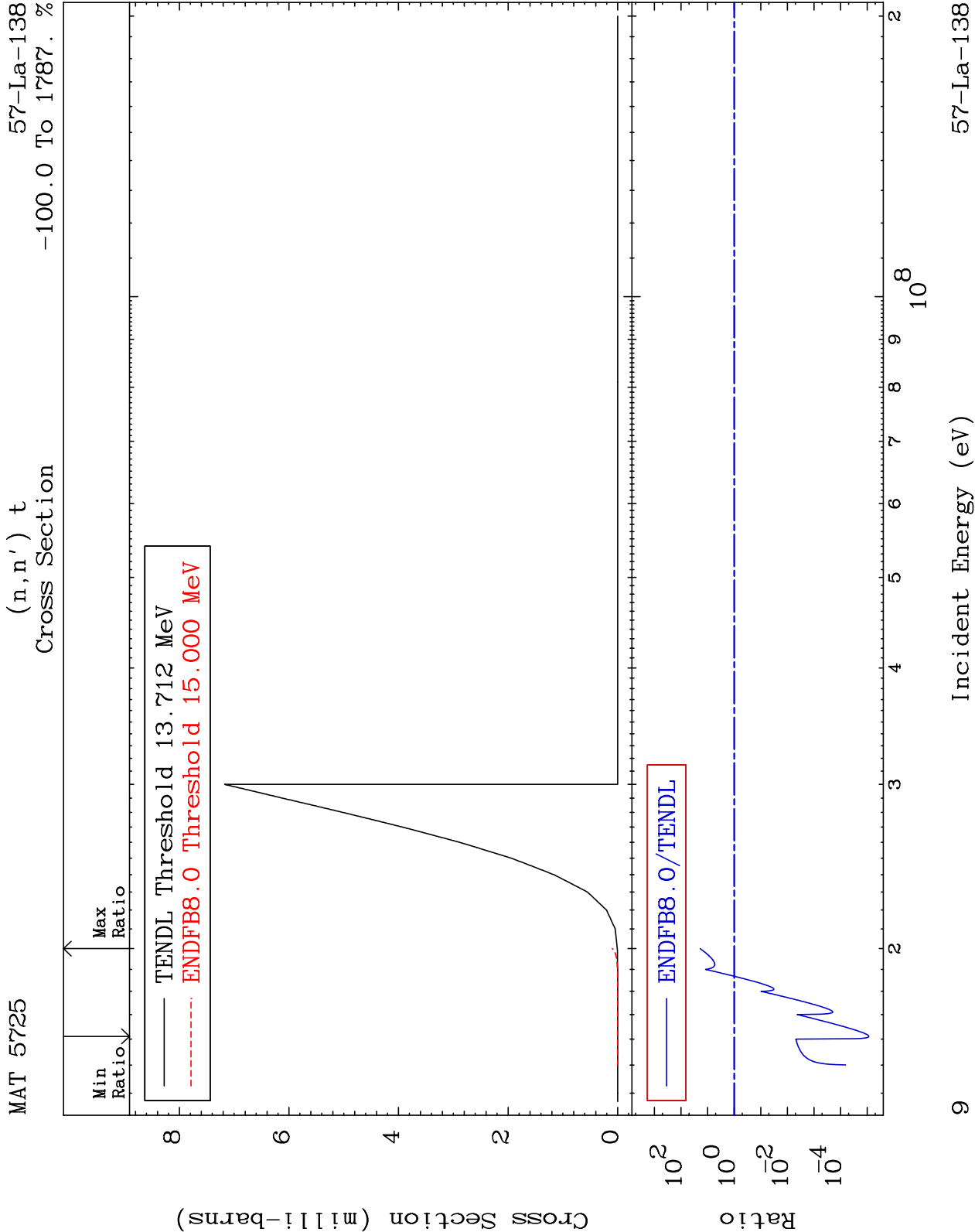
57-La-138
-100.0 To 19.55 %

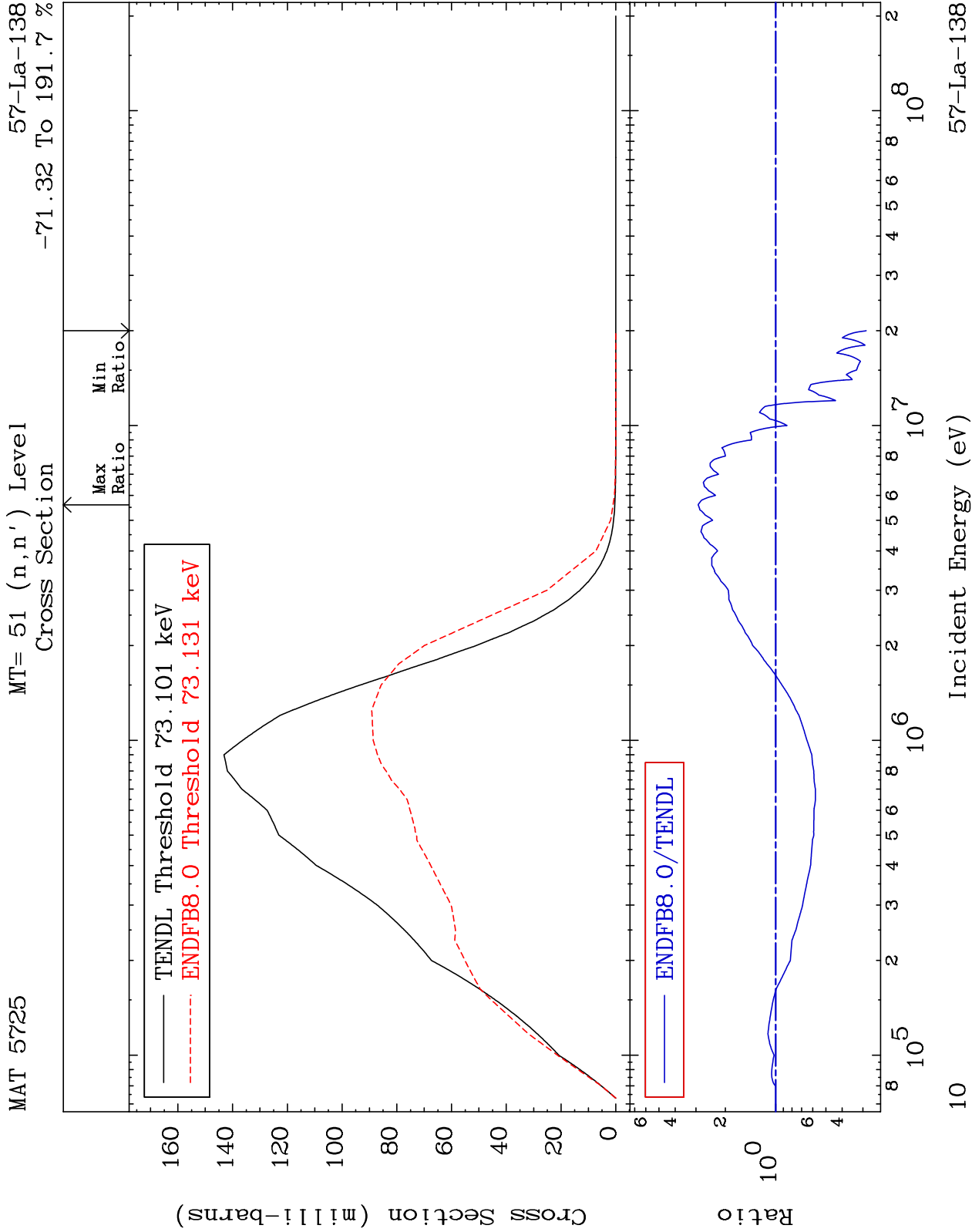
 $\sim$

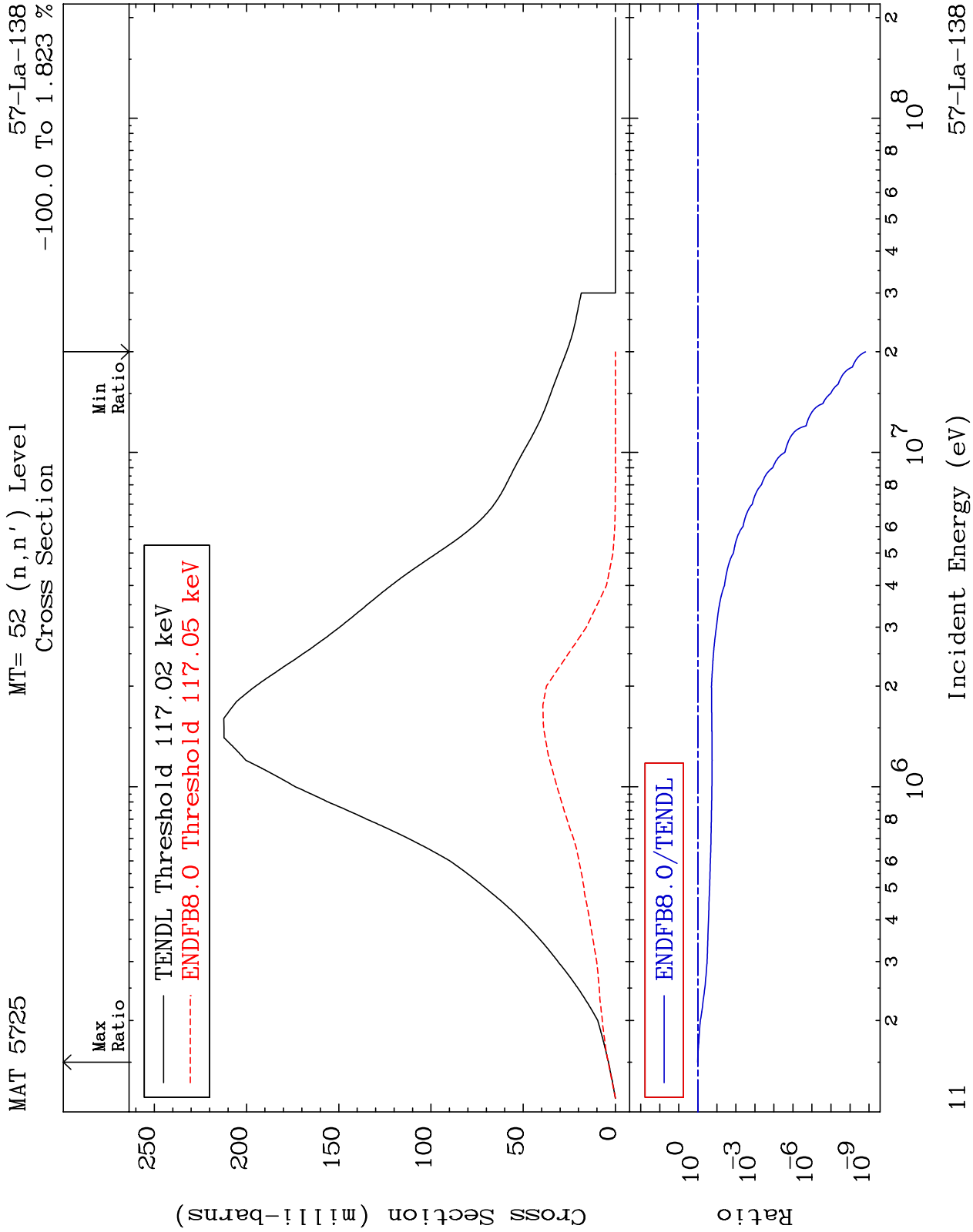
Incident Energy (eV)

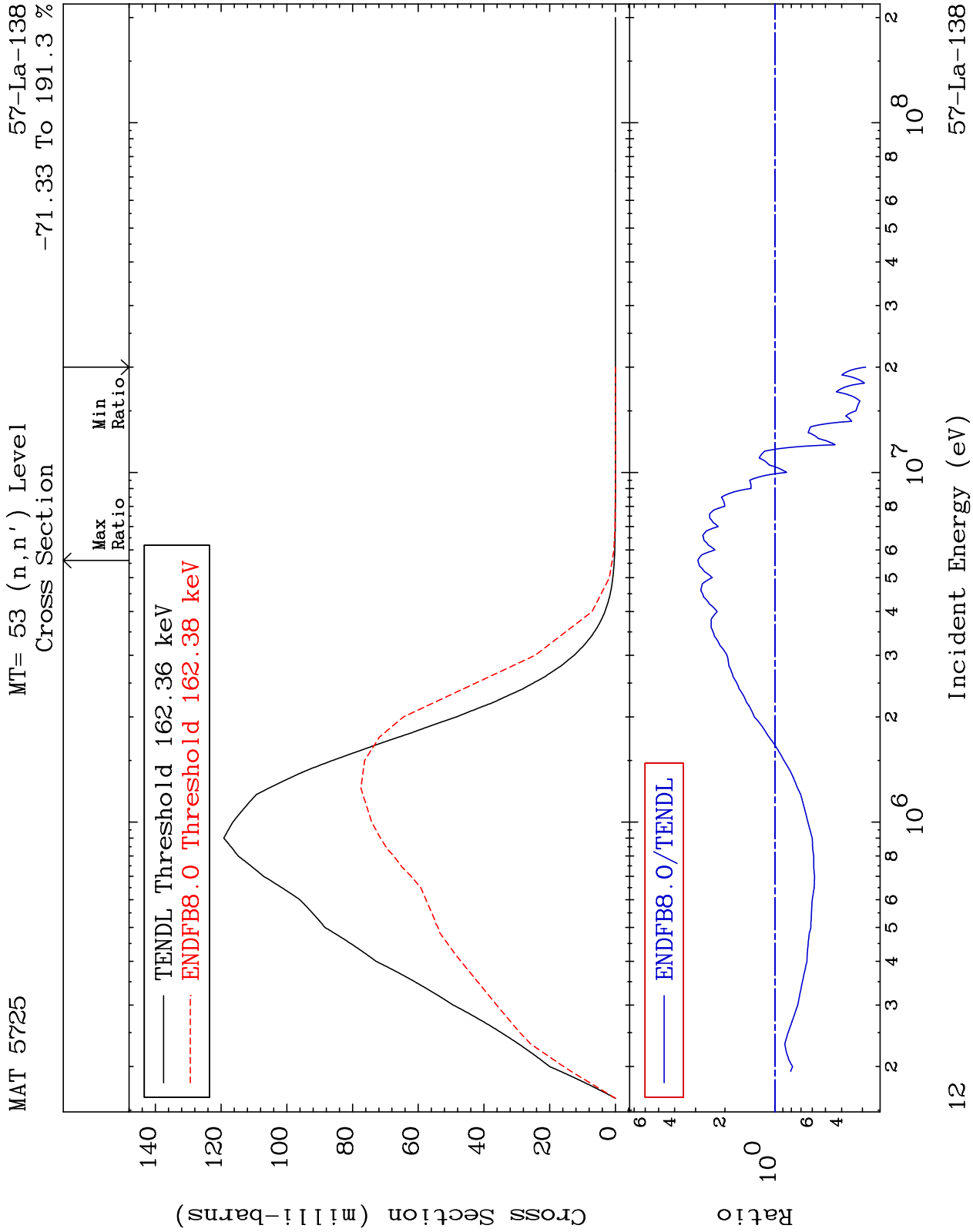
57-La-138

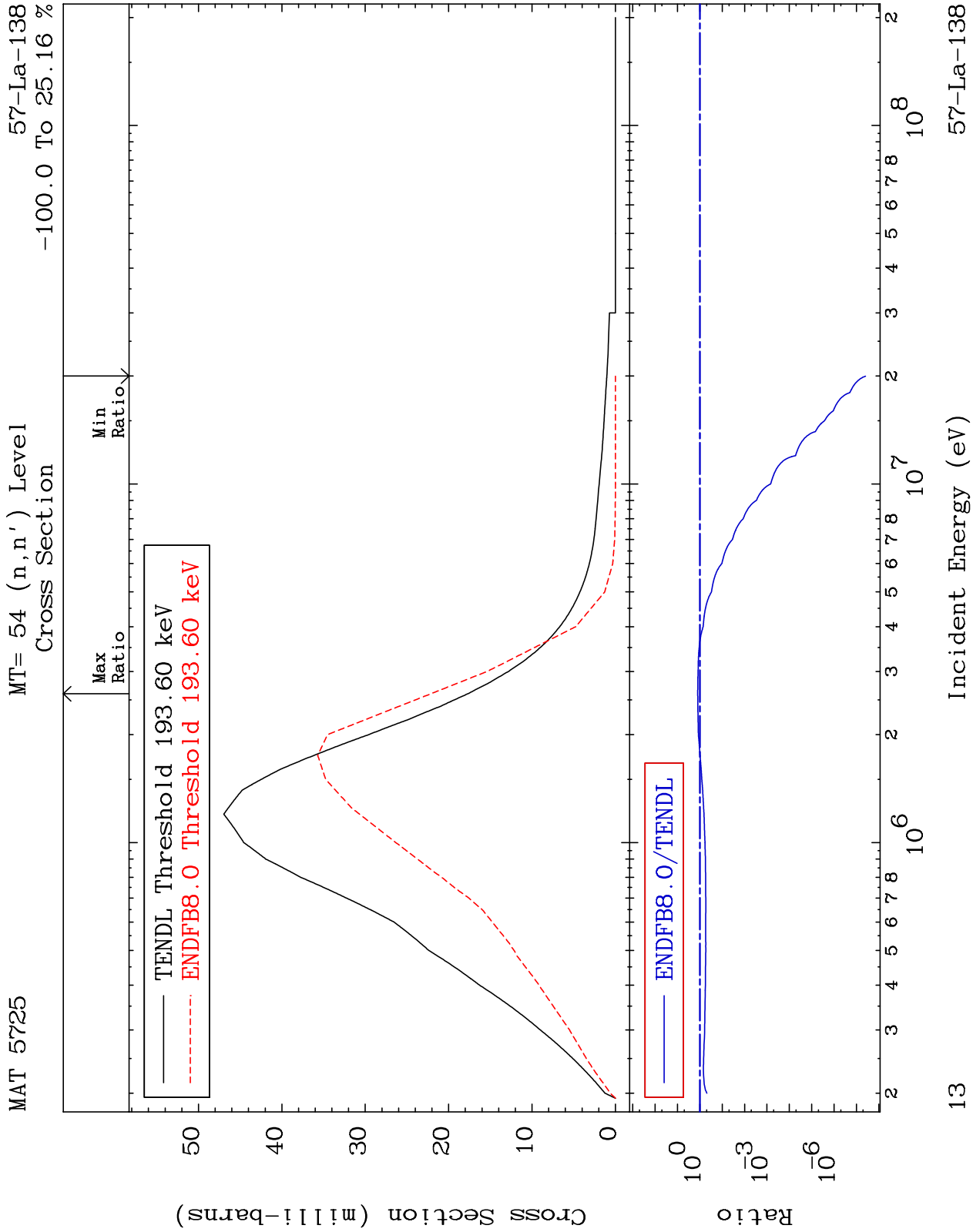


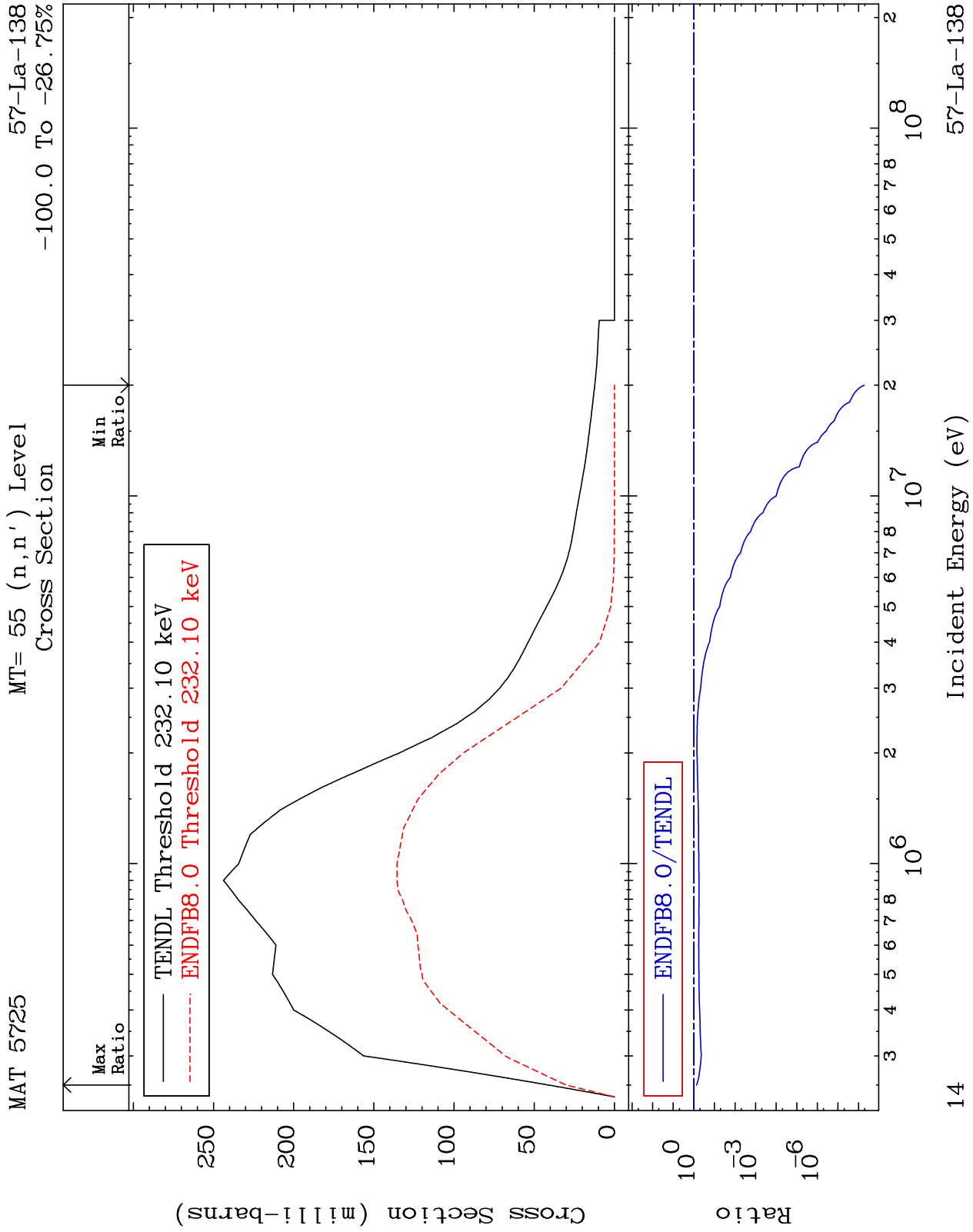








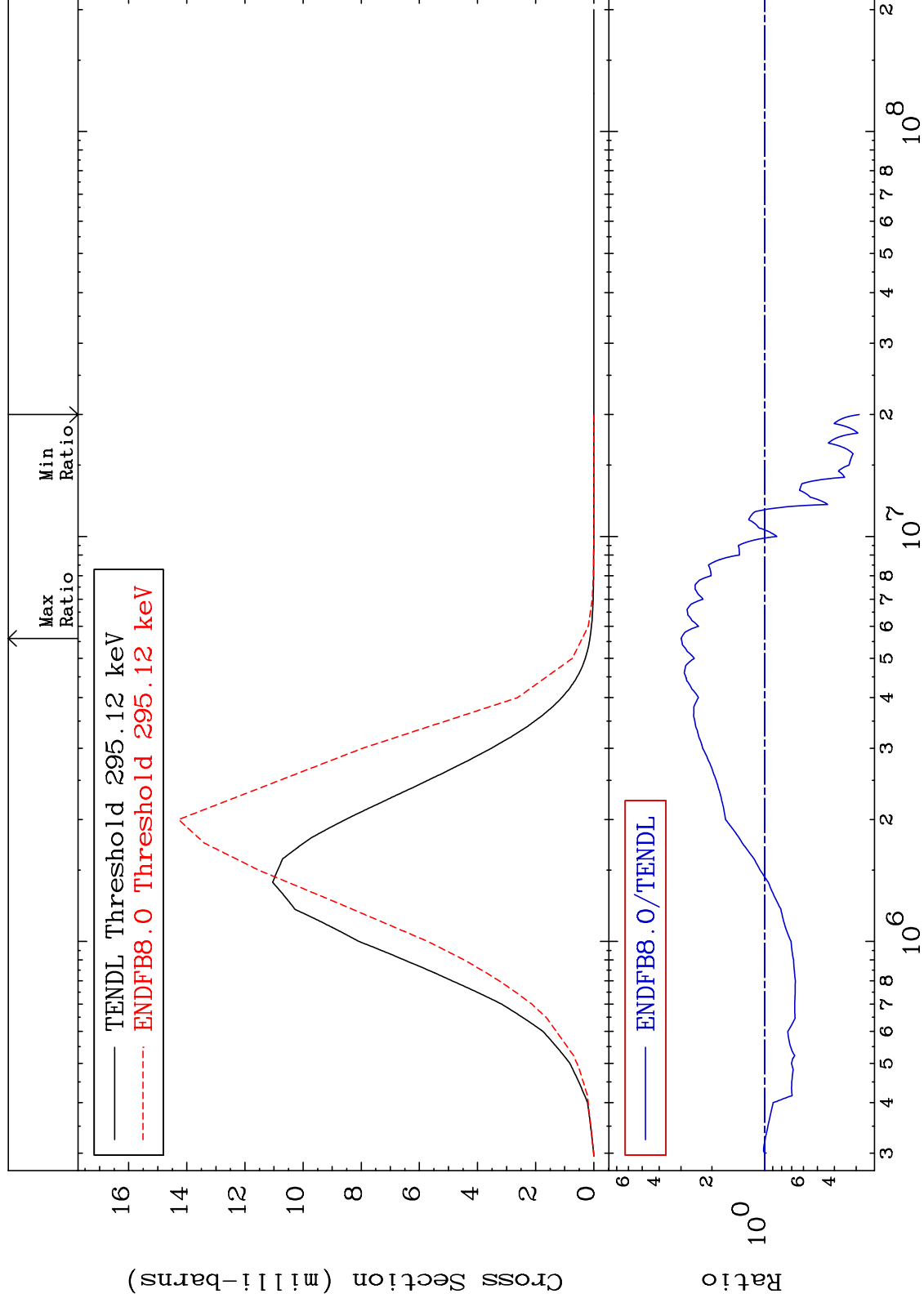


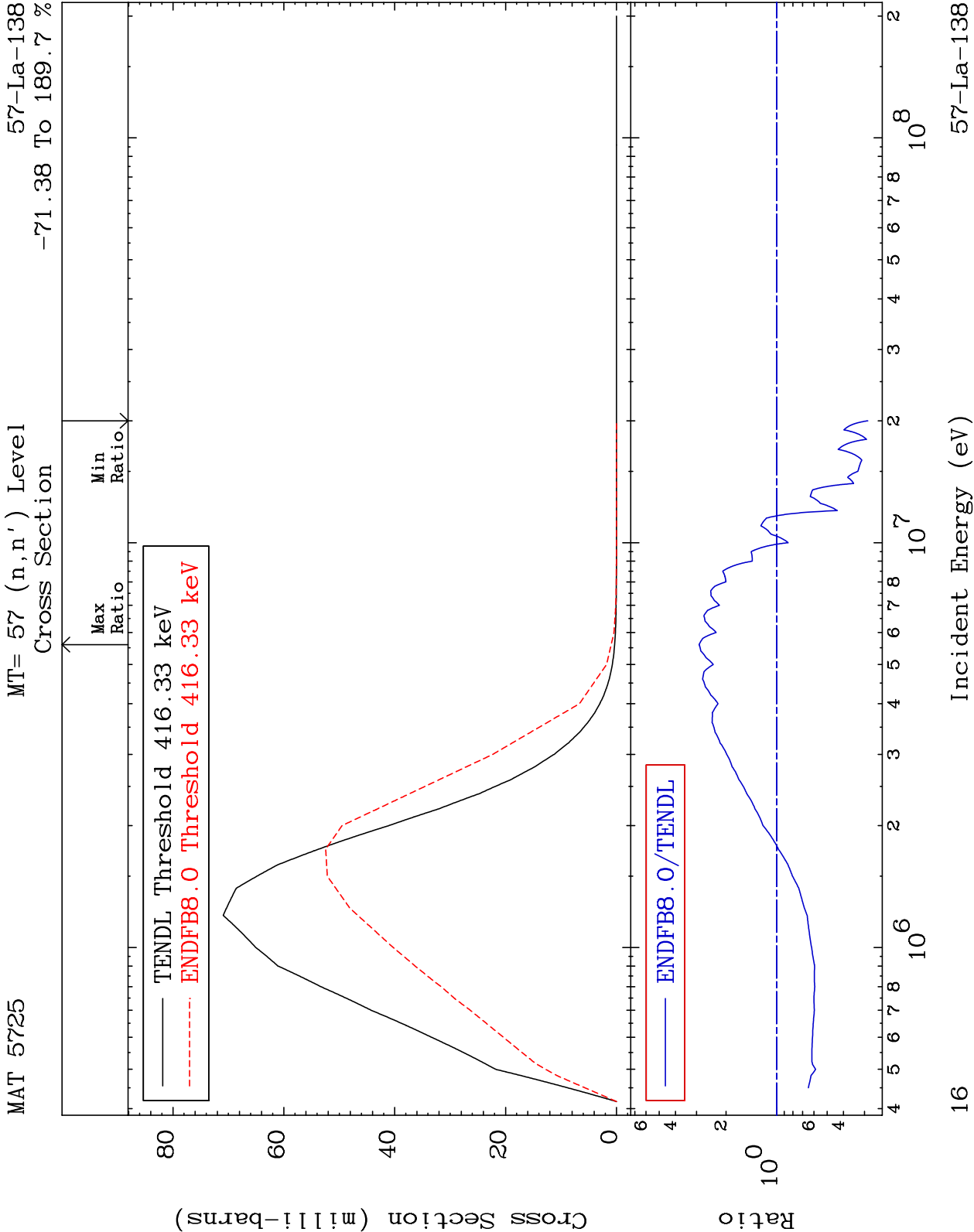


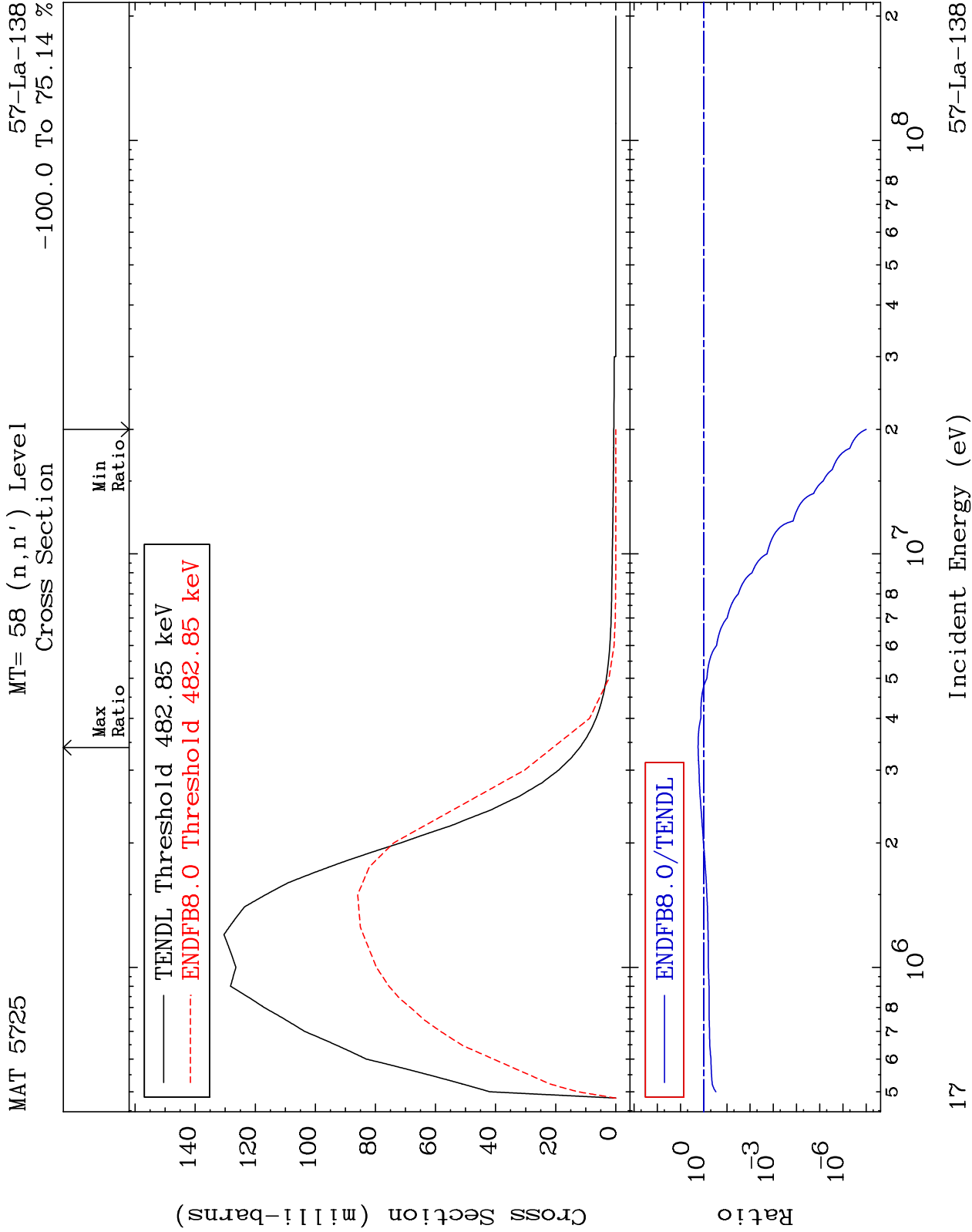
MAT 5725

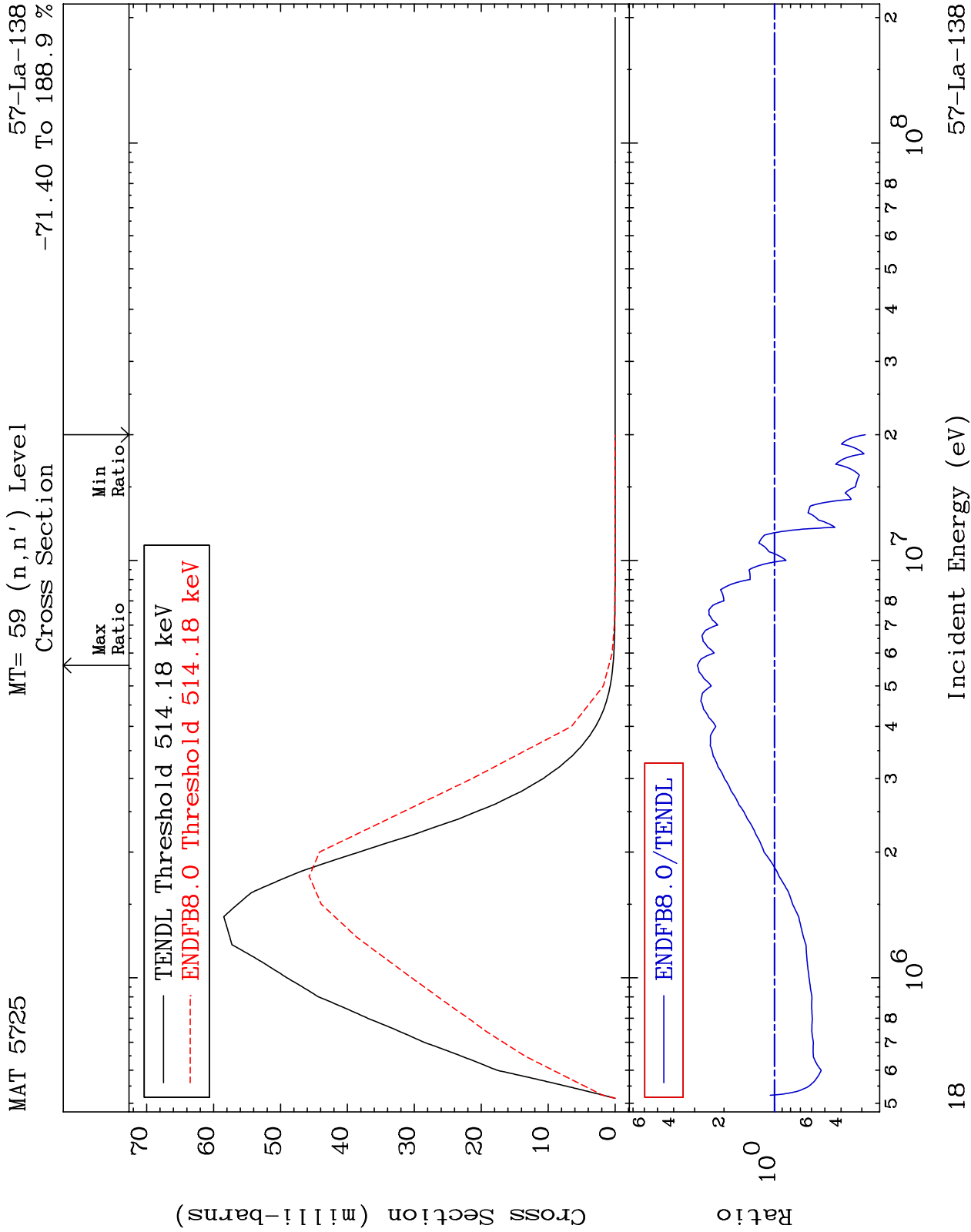
MT= 56 (n, n') Level
Cross Section

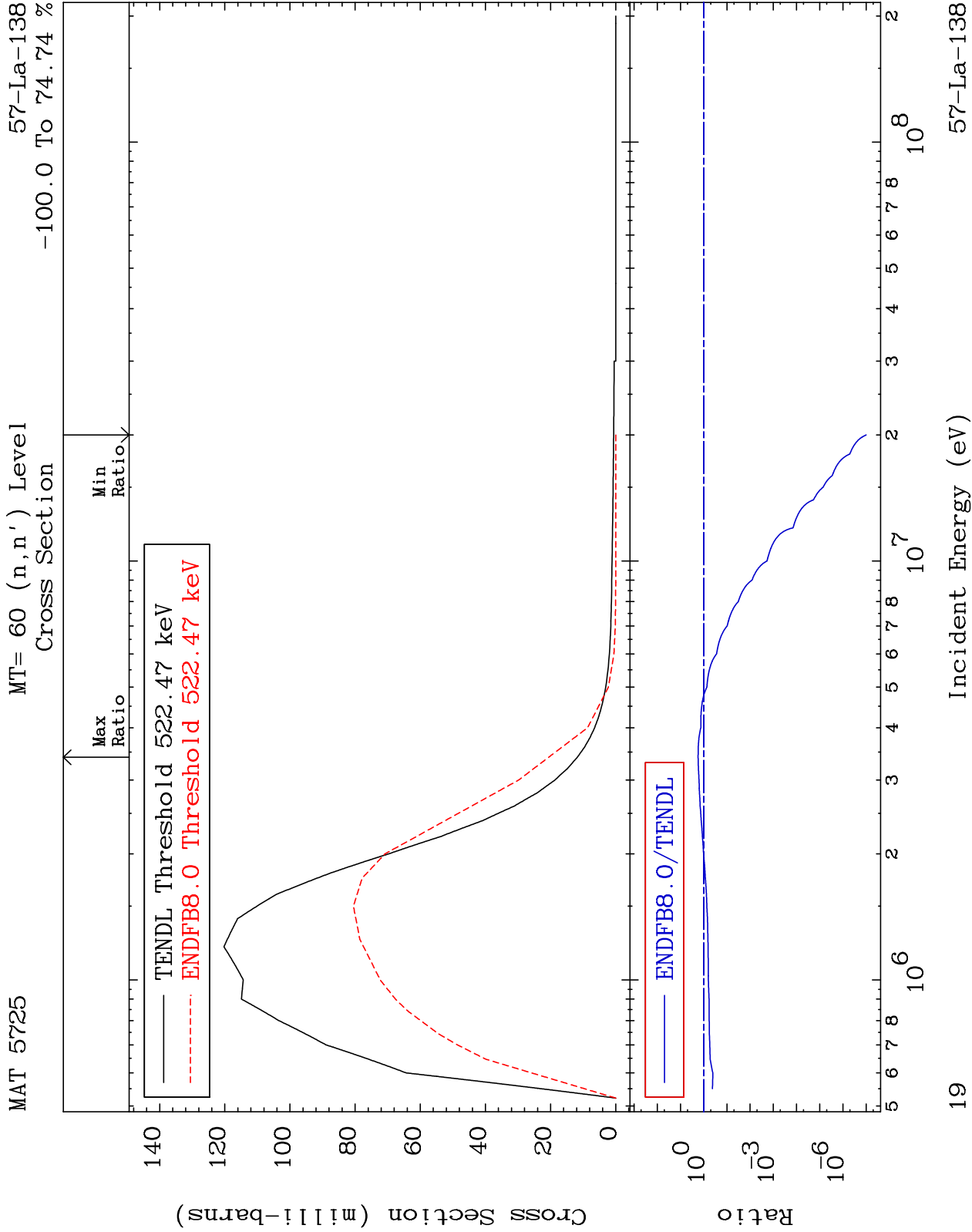
57-La-138
-71.20 To 200.1 %







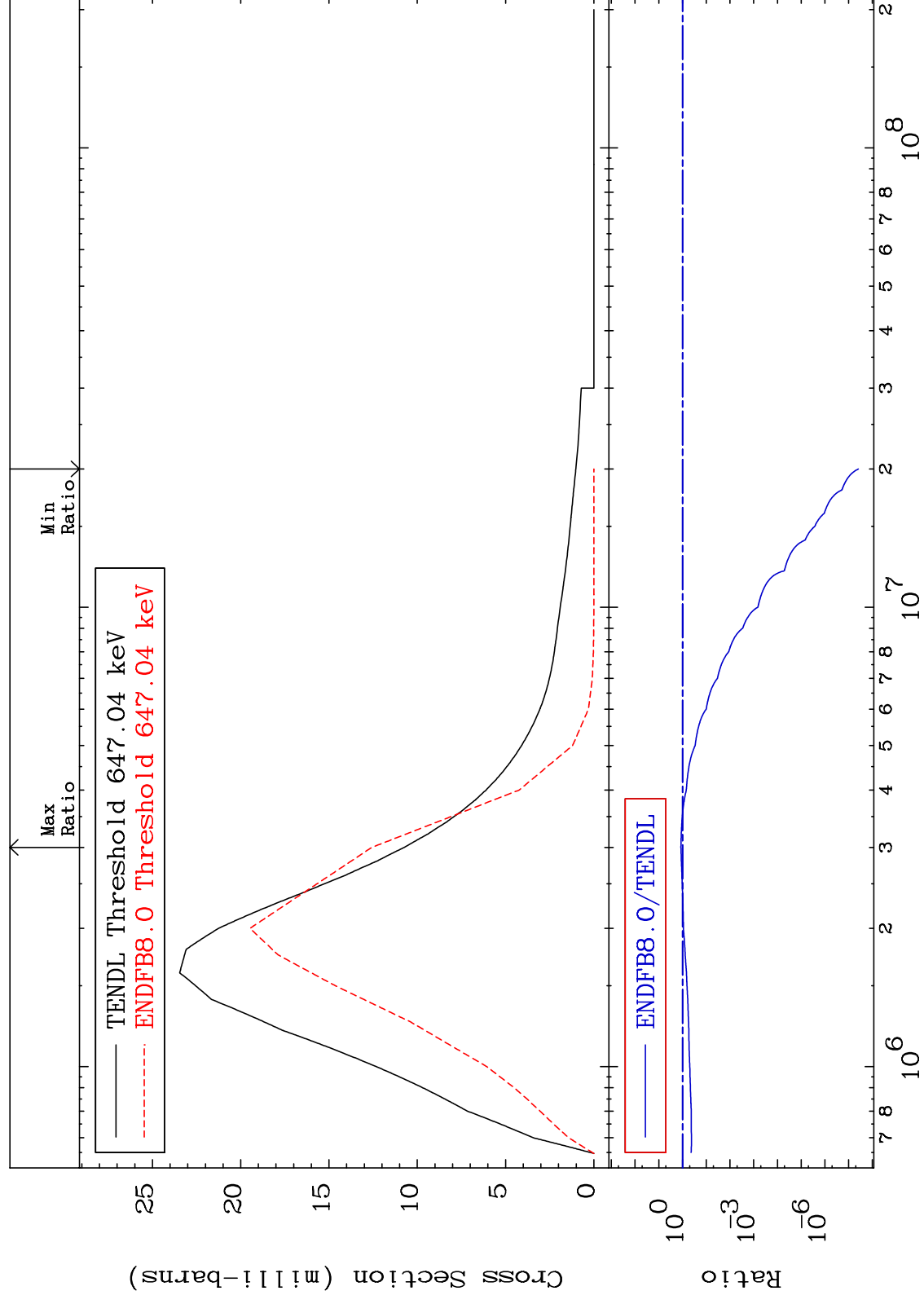


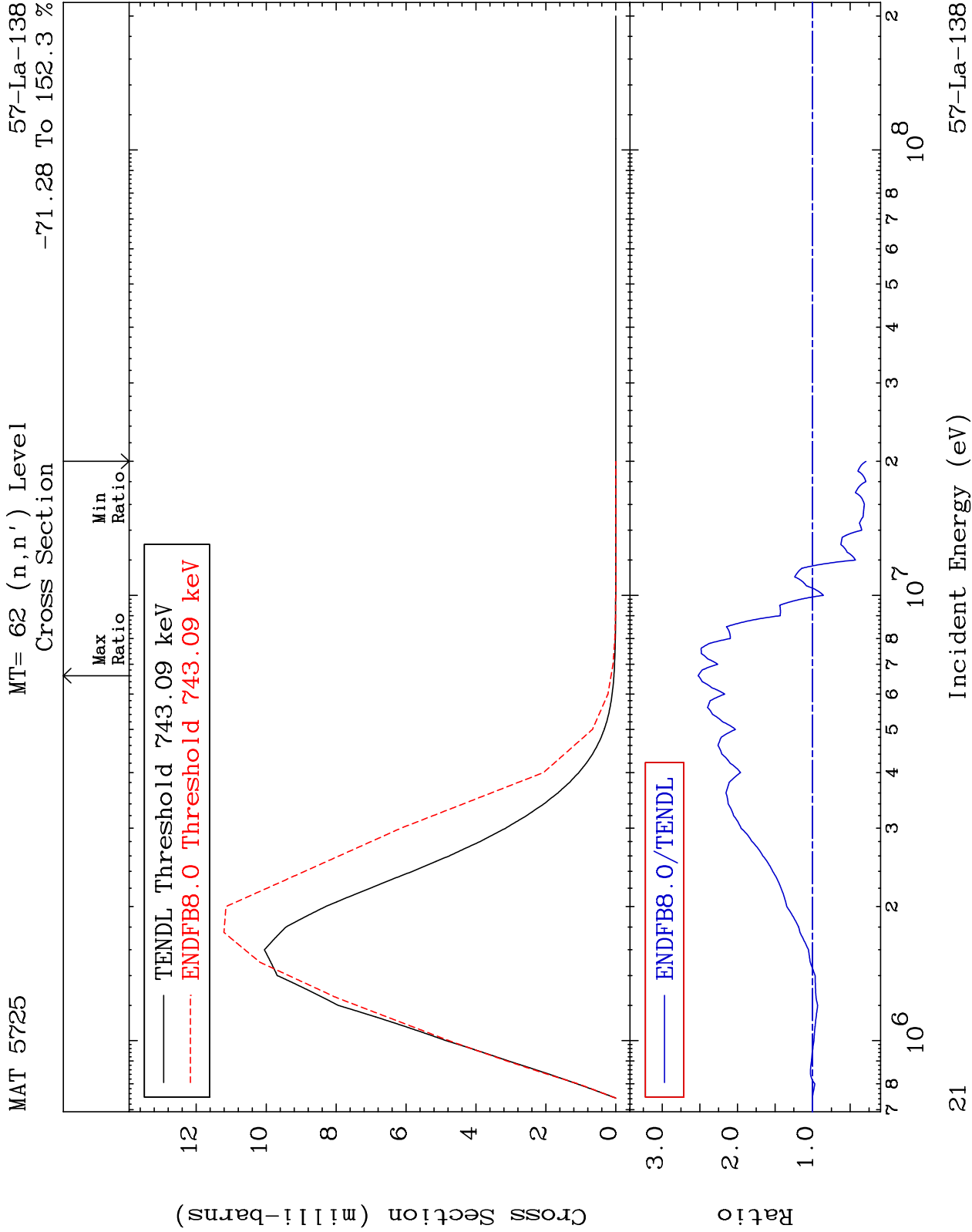


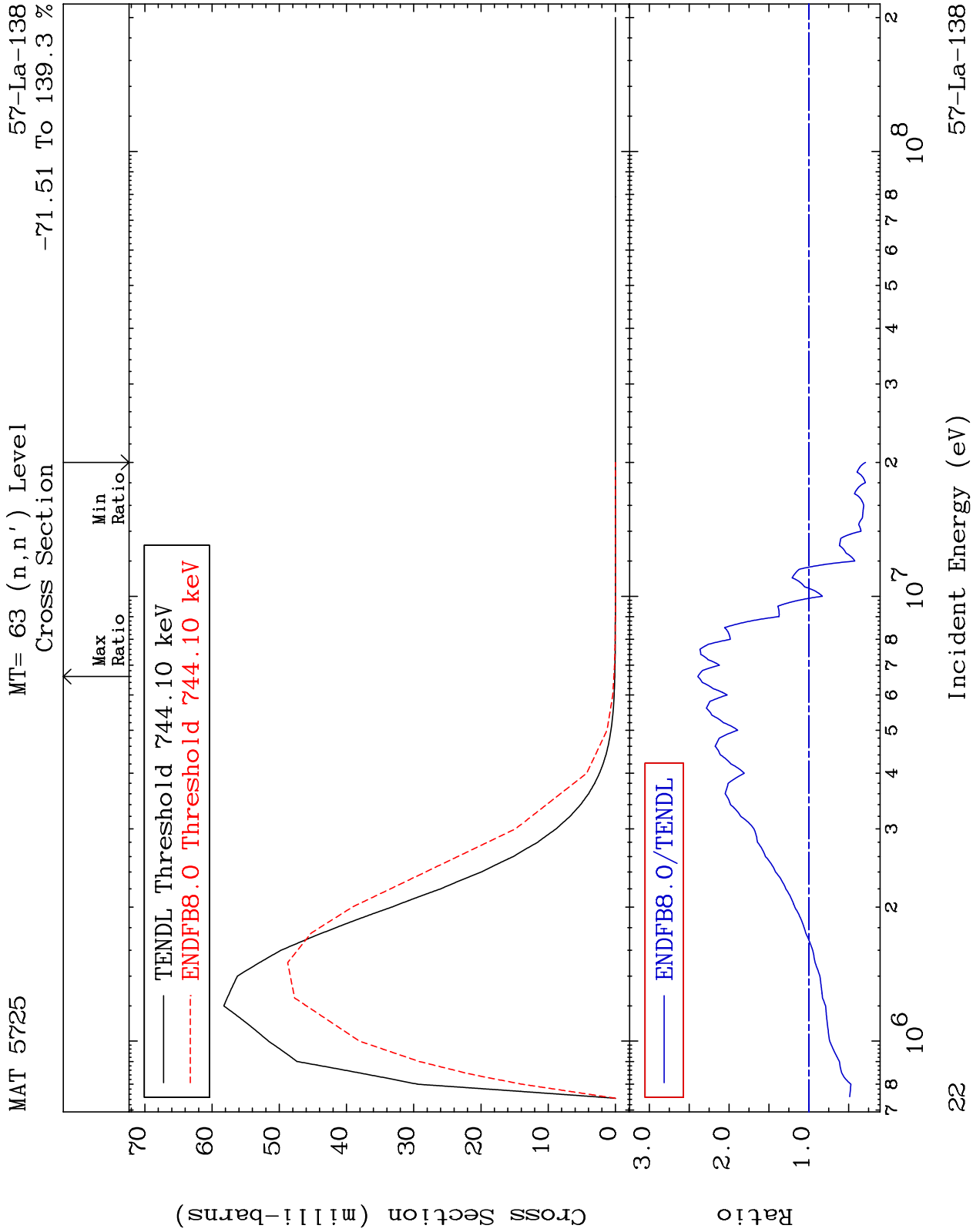
MAT 5725

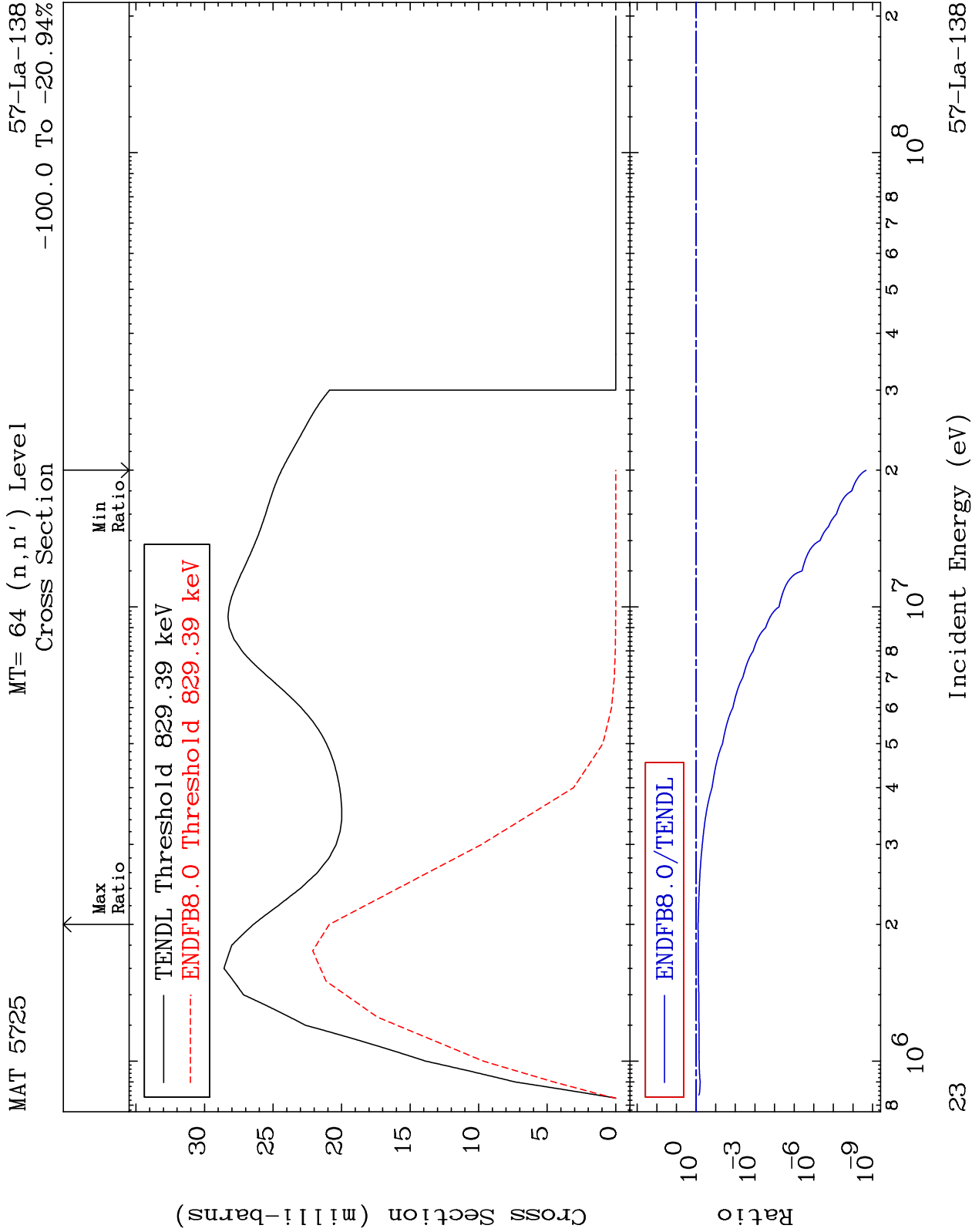
MT= 61 (n, n') Level
Cross Section

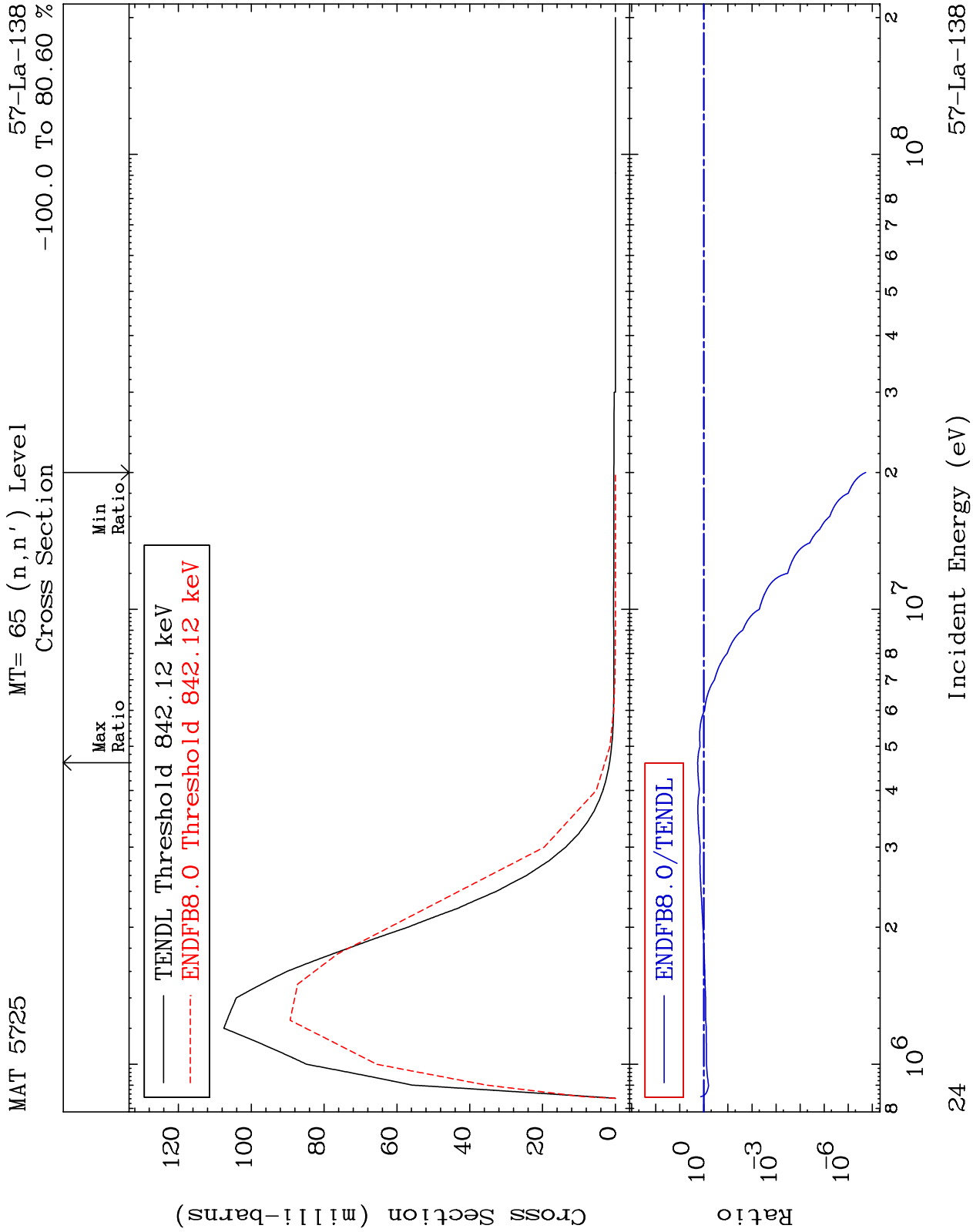
57-La-138
-100.0 To 17.10 %

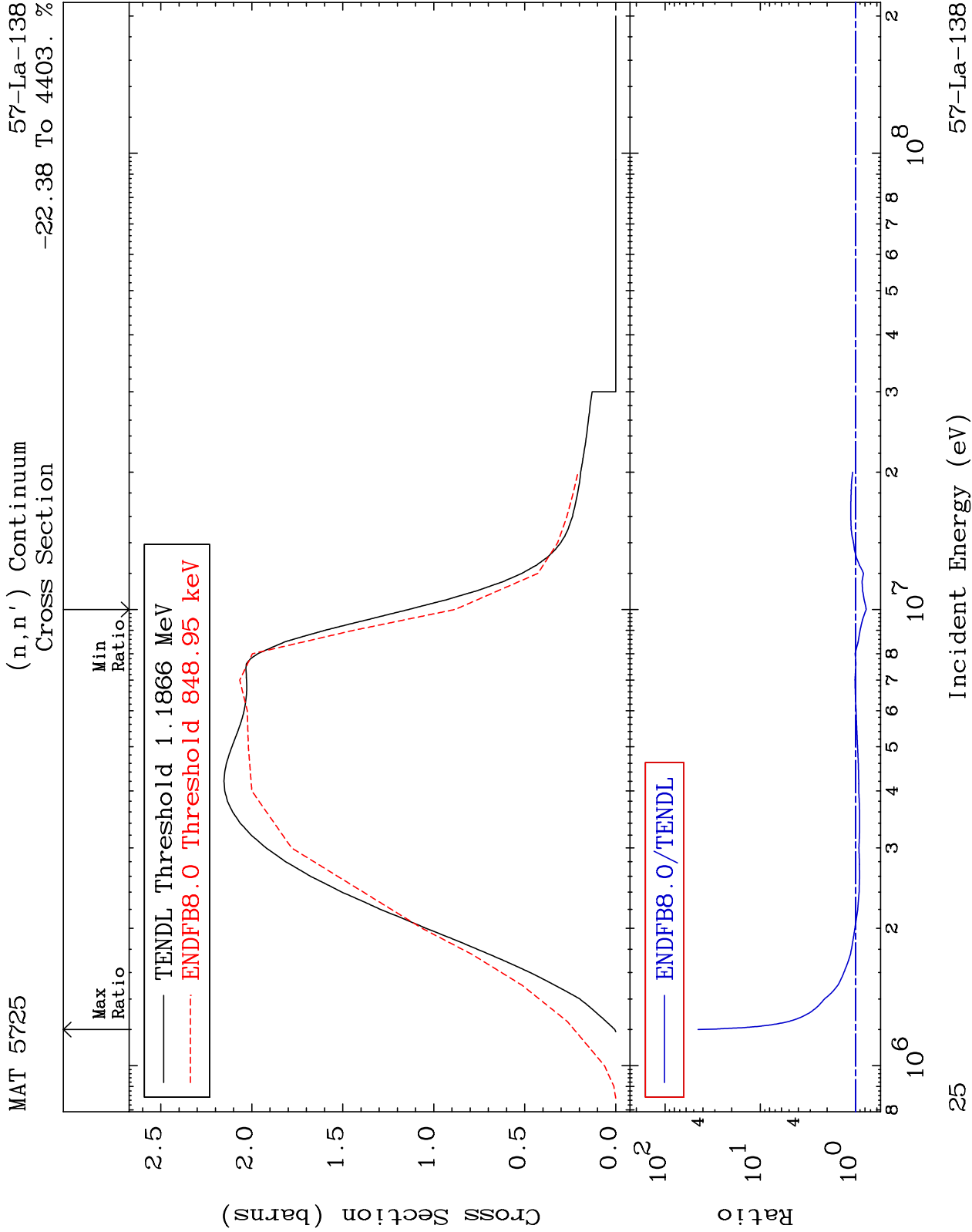


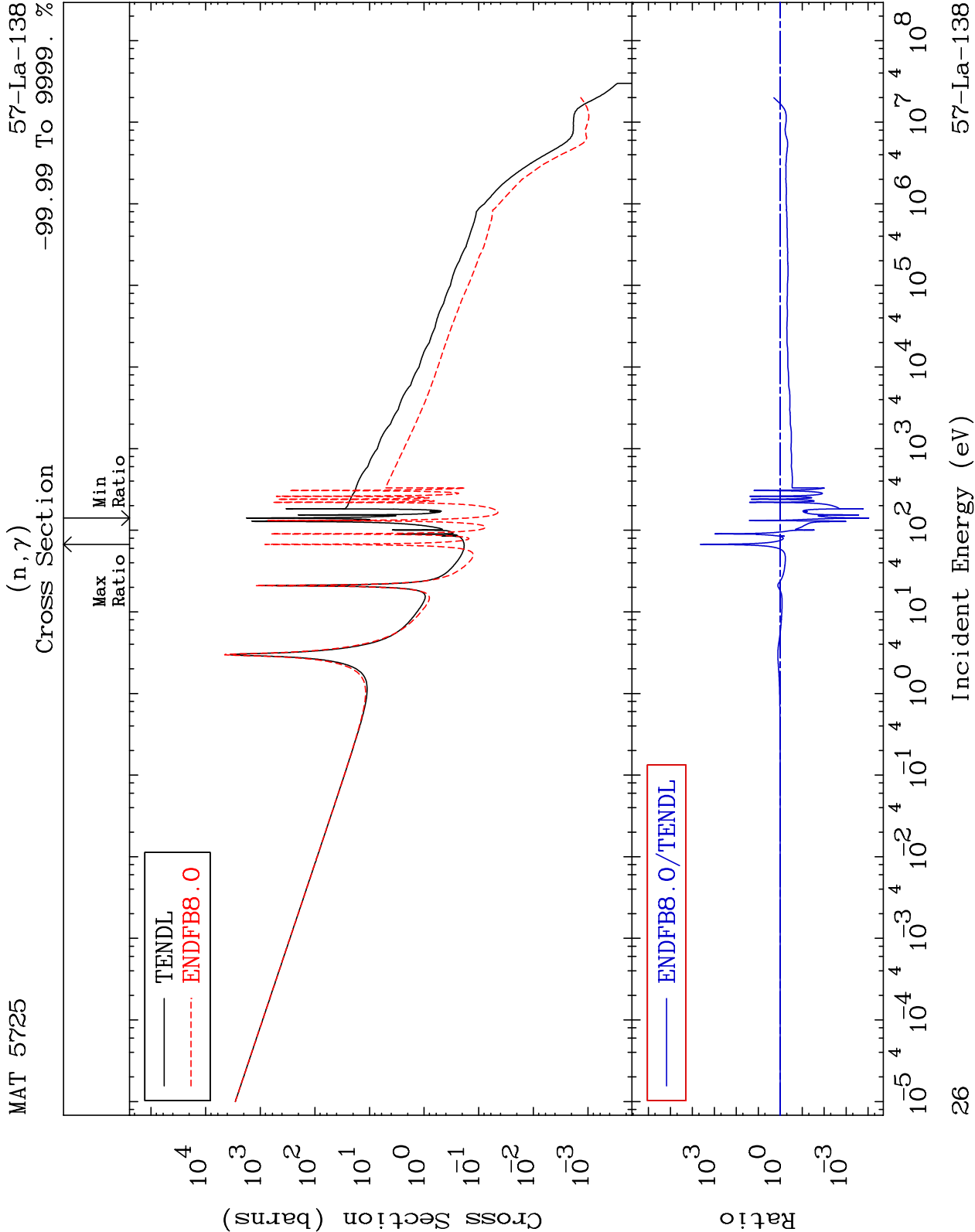


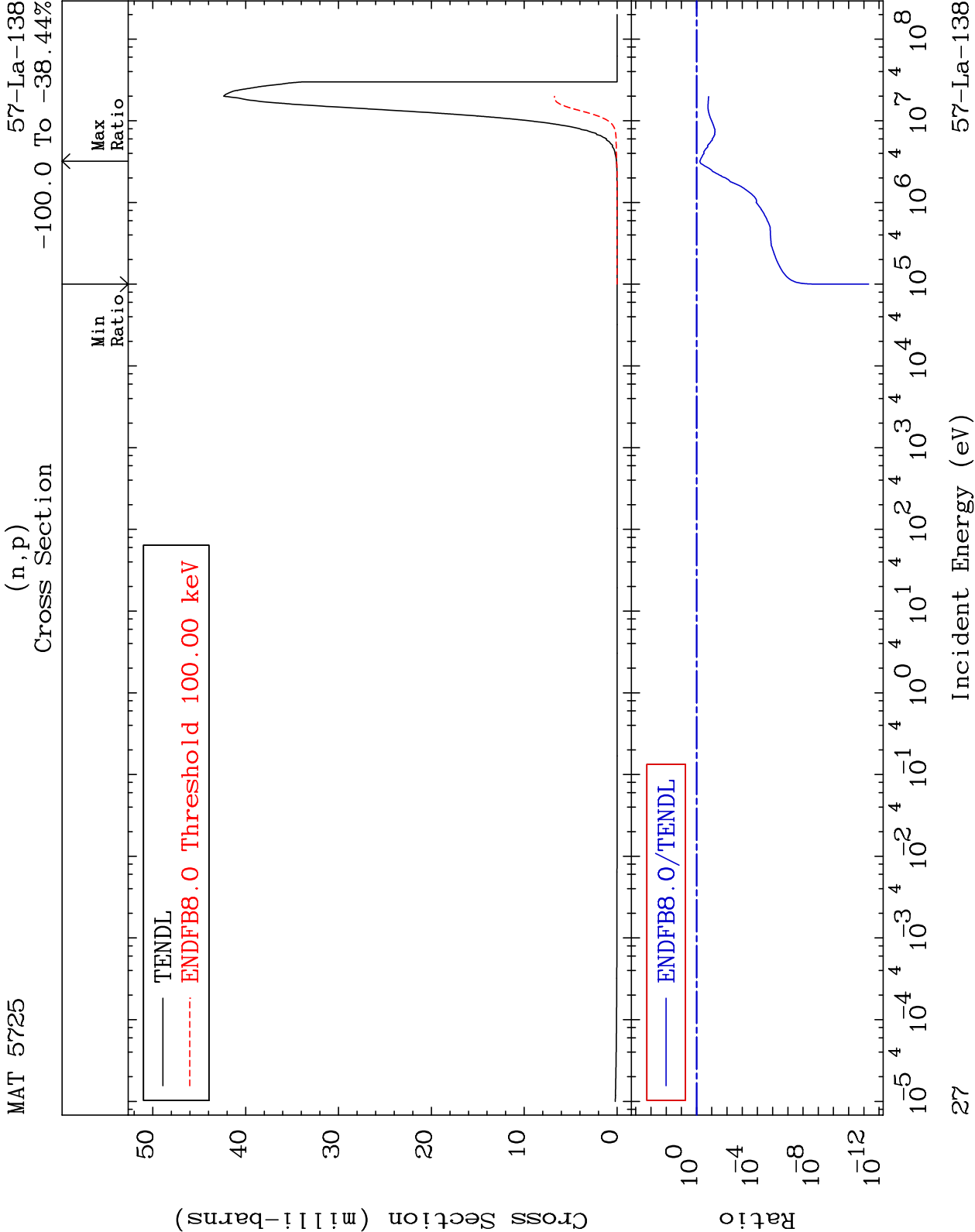


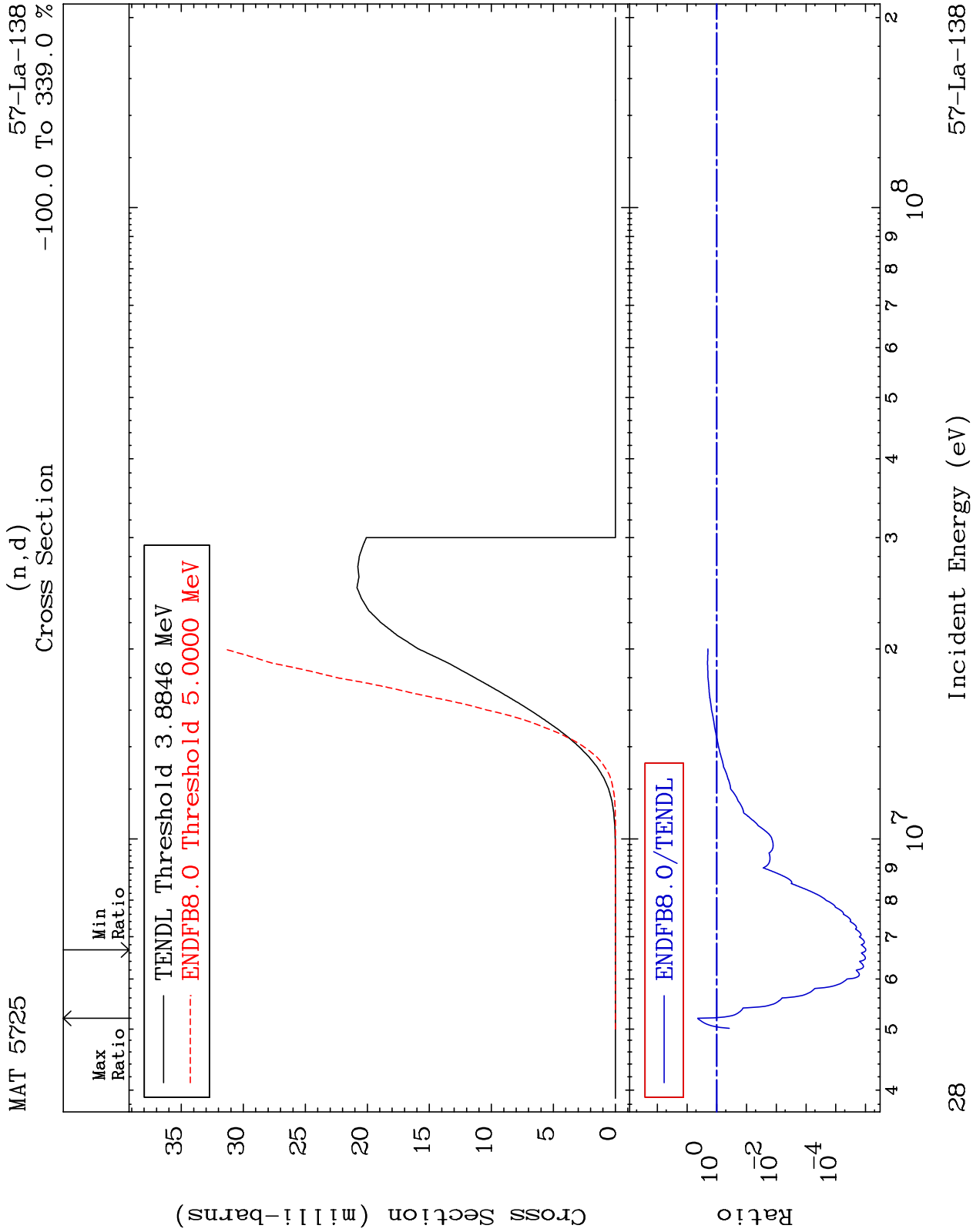


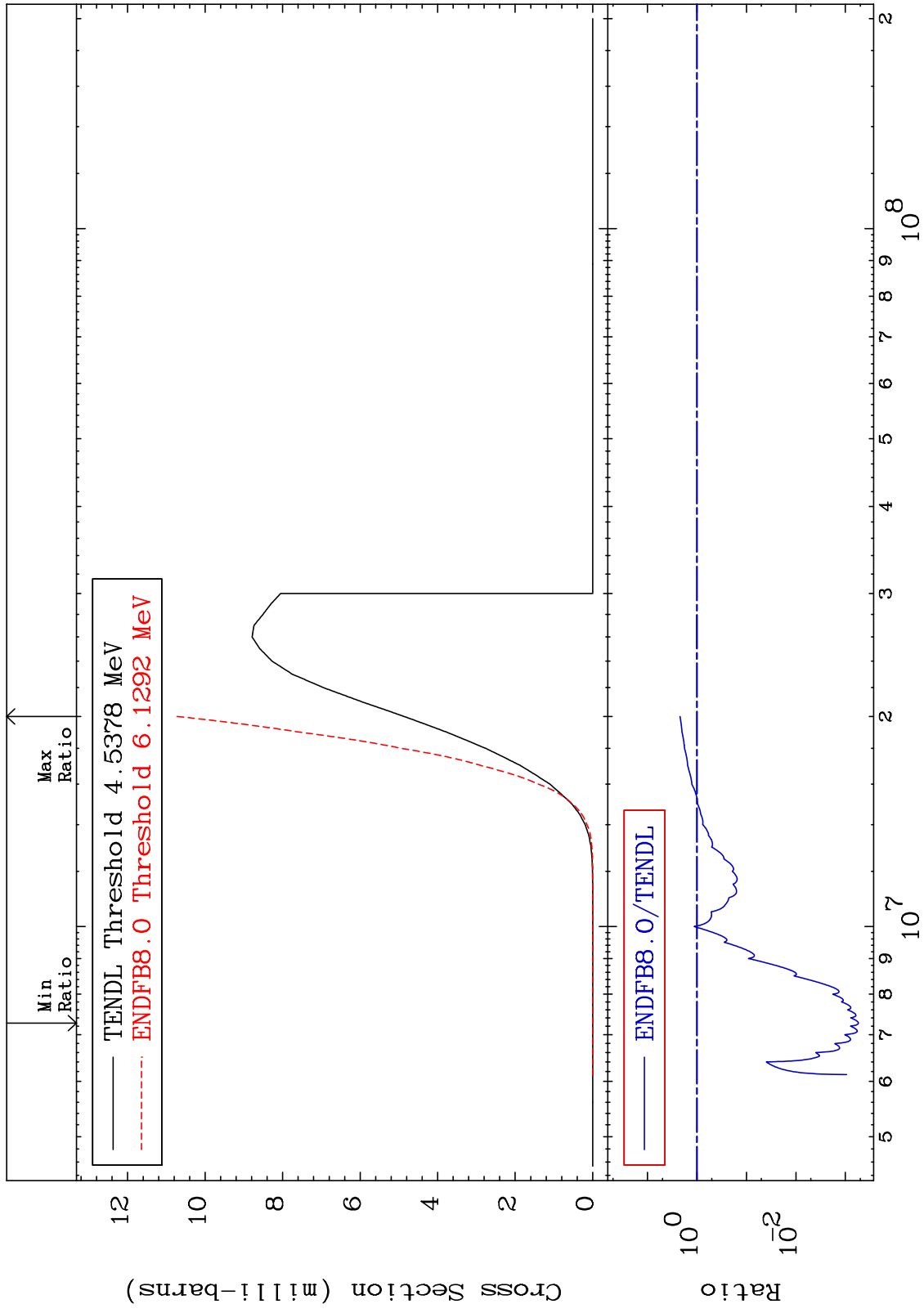


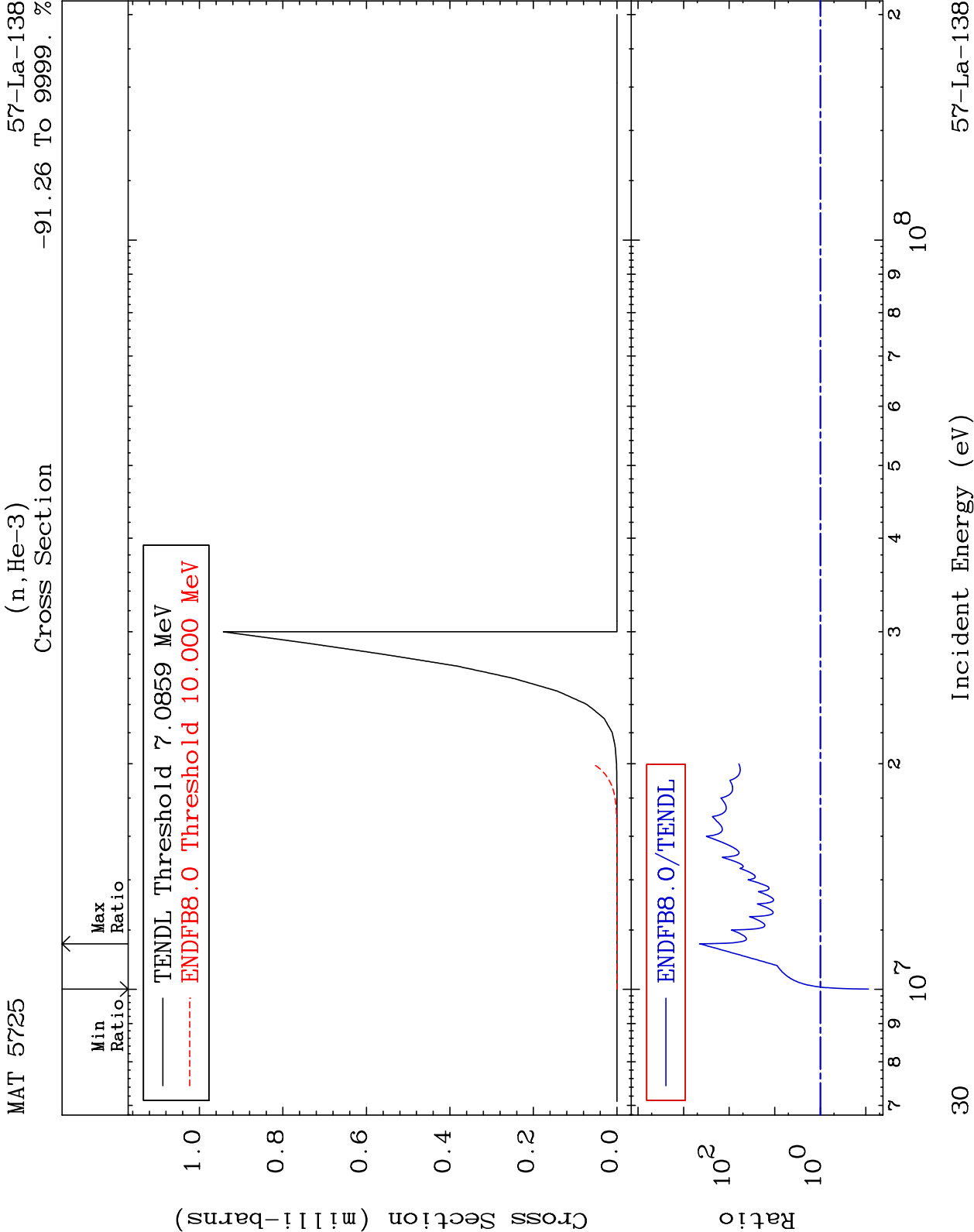


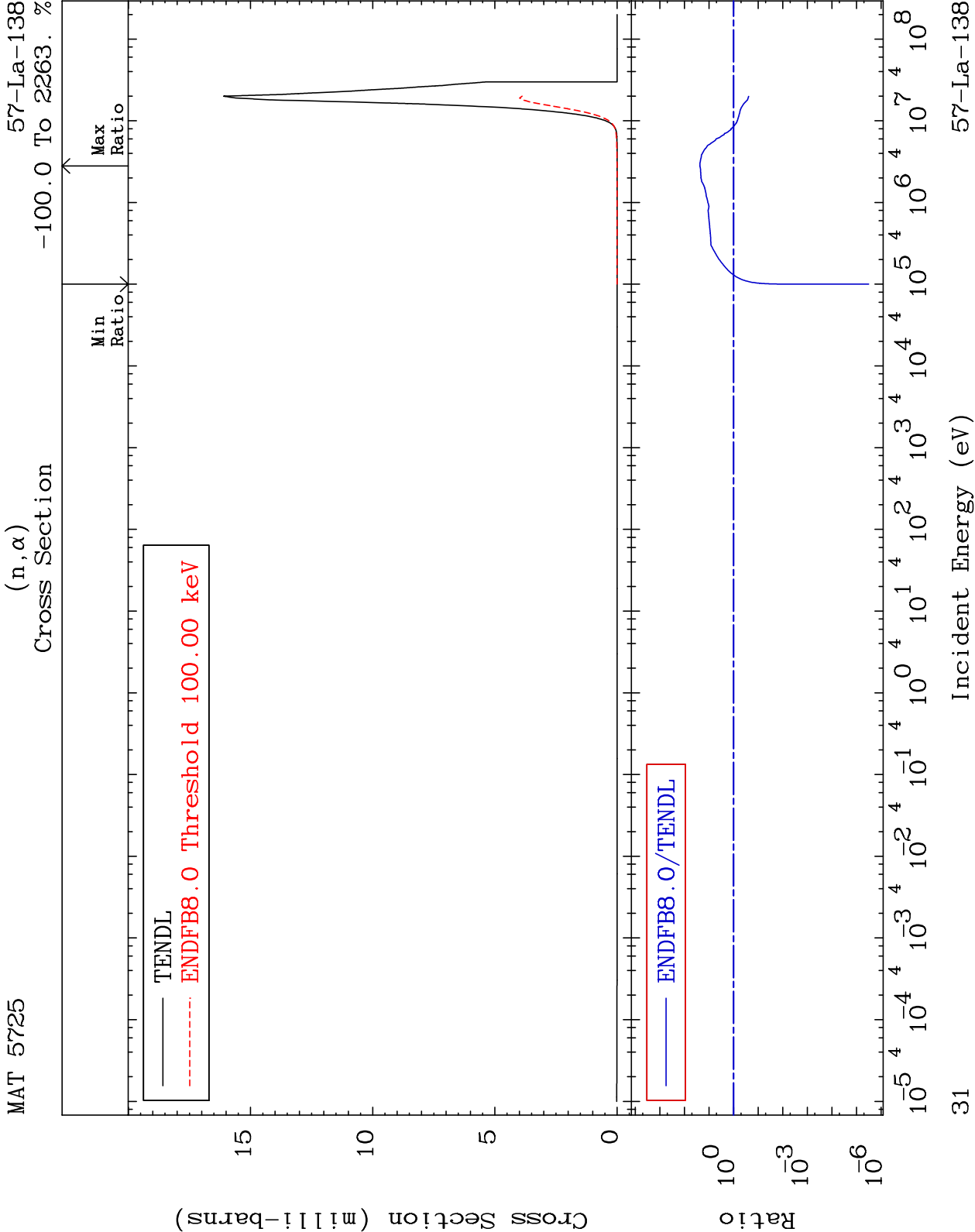








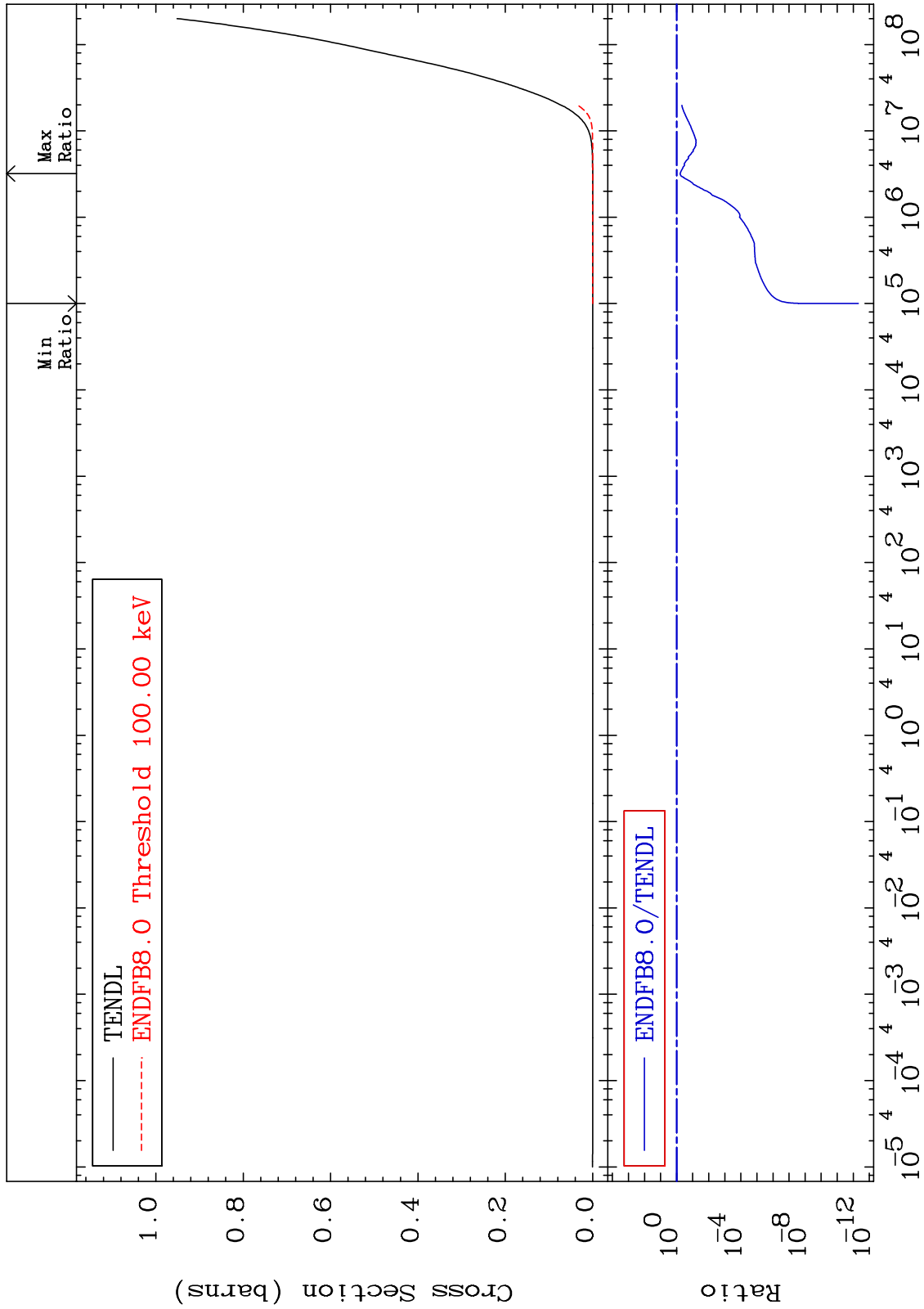


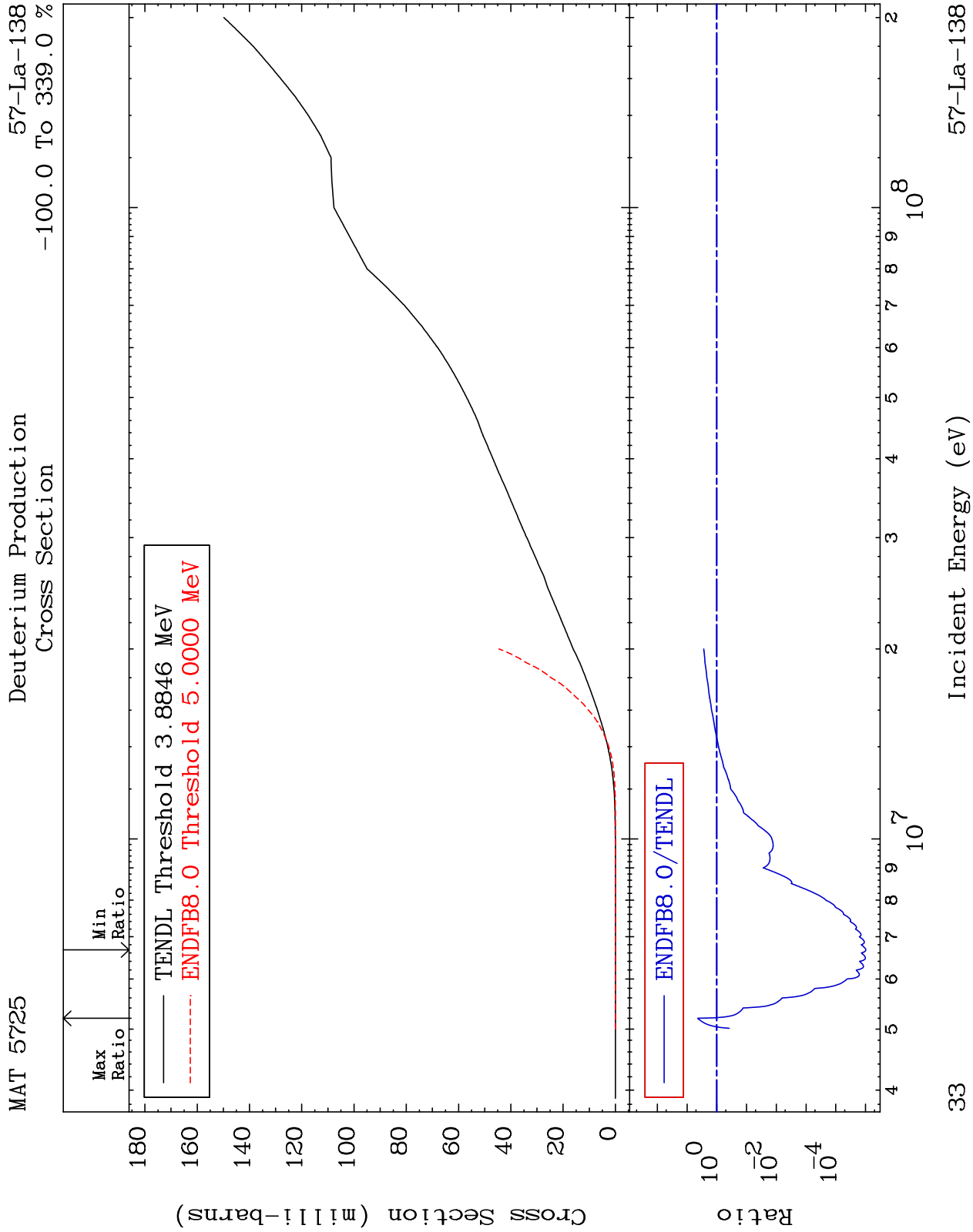


MAT 5725

Hydrogen Production
Cross Section

57-La-138
-100.0 To -38.44%

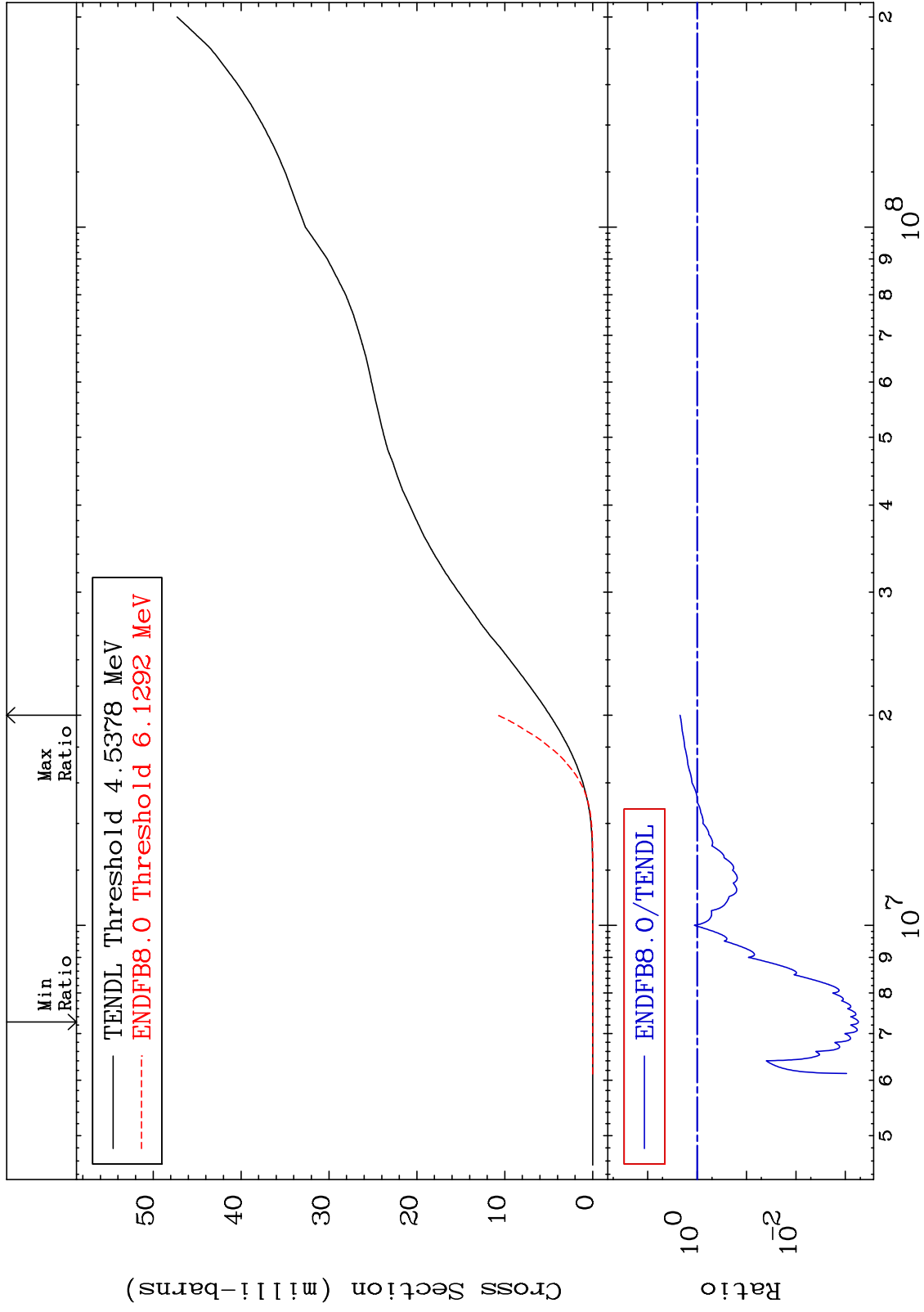




MAT 5725

Tritium Production
Cross Section

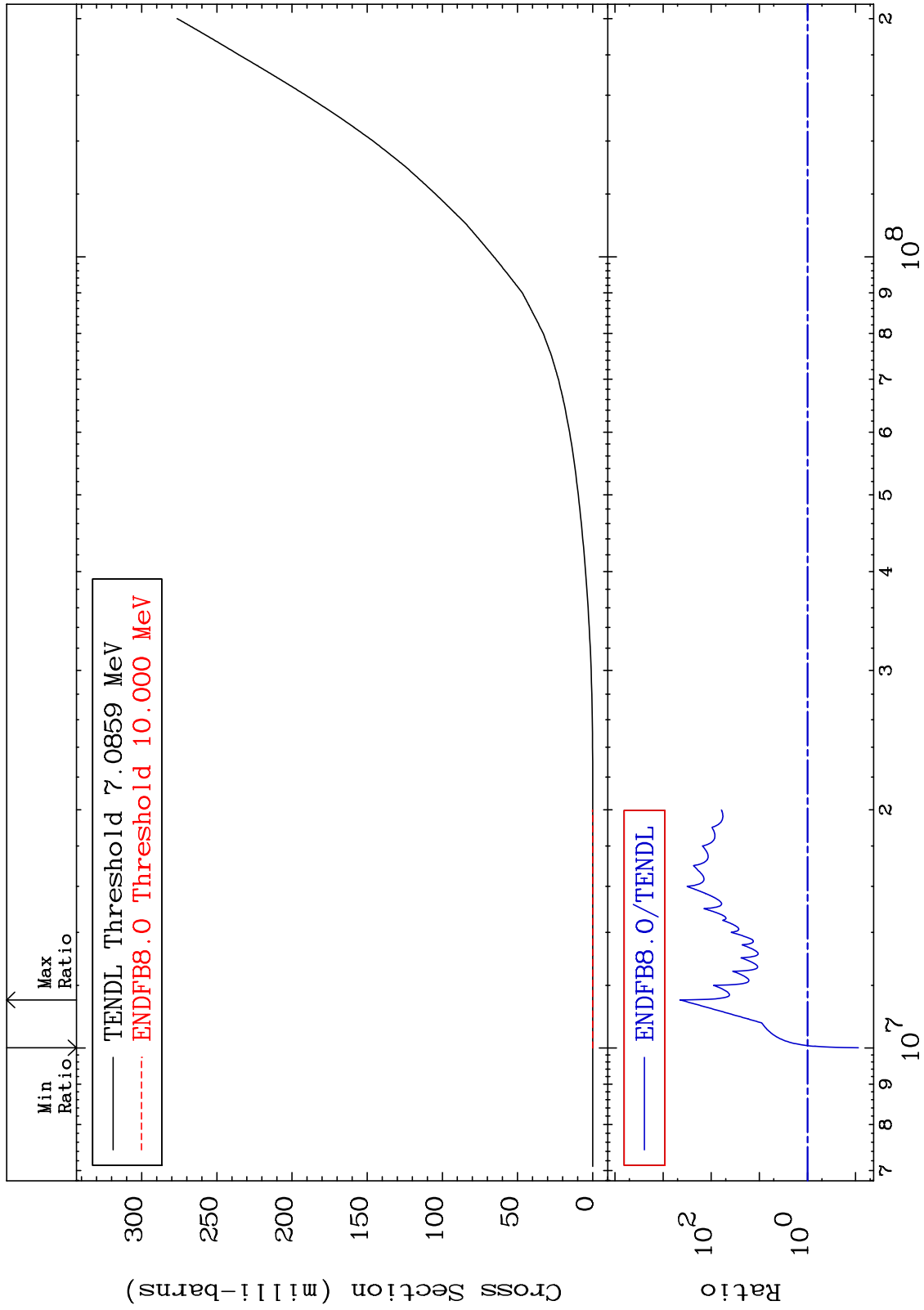
57-La-138
-99.95 To 122.1 %



MAT 5725

He-3 Production
Cross Section

57-La-138
-91.26 To 9999. %



35

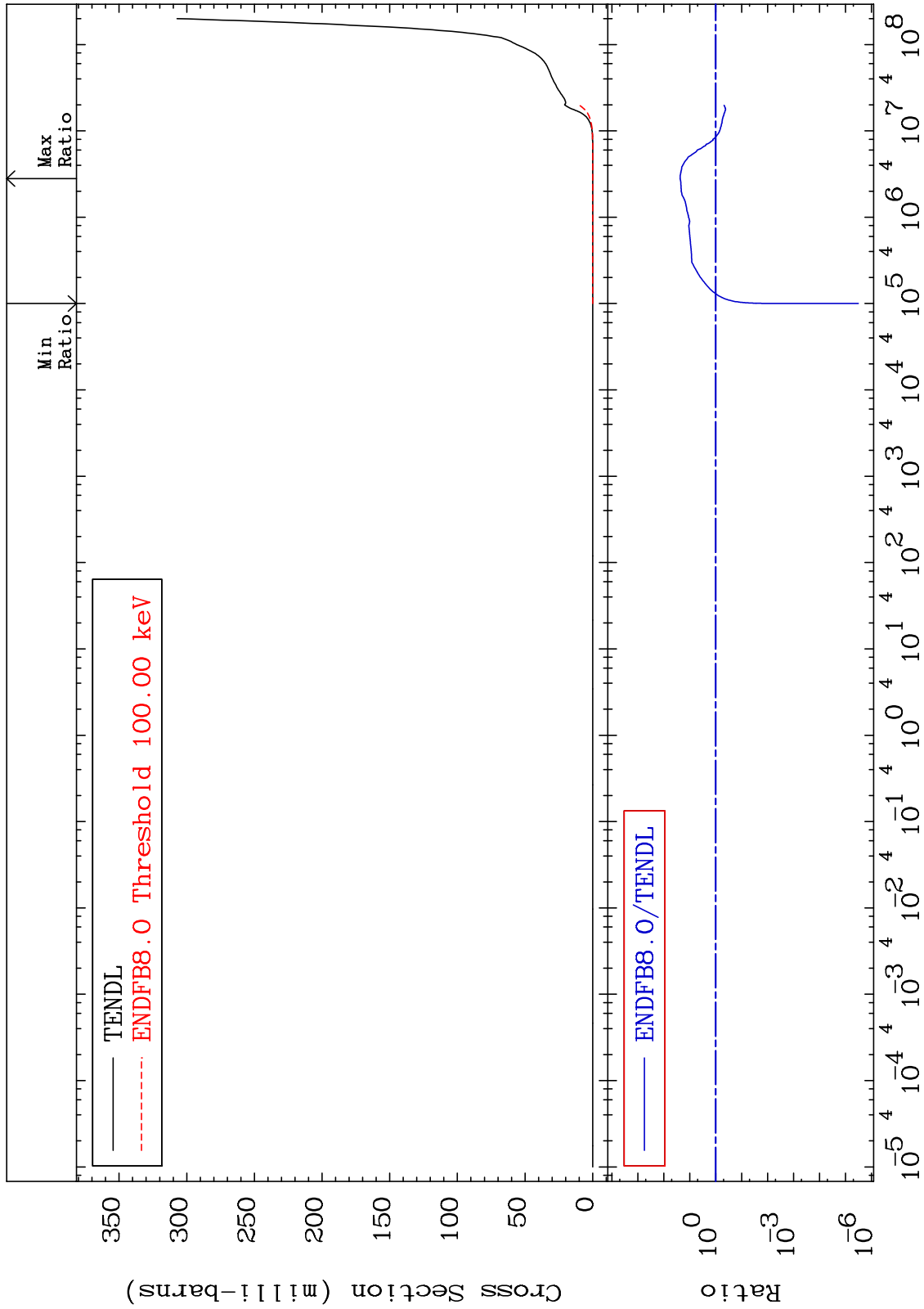
Incident Energy (eV)

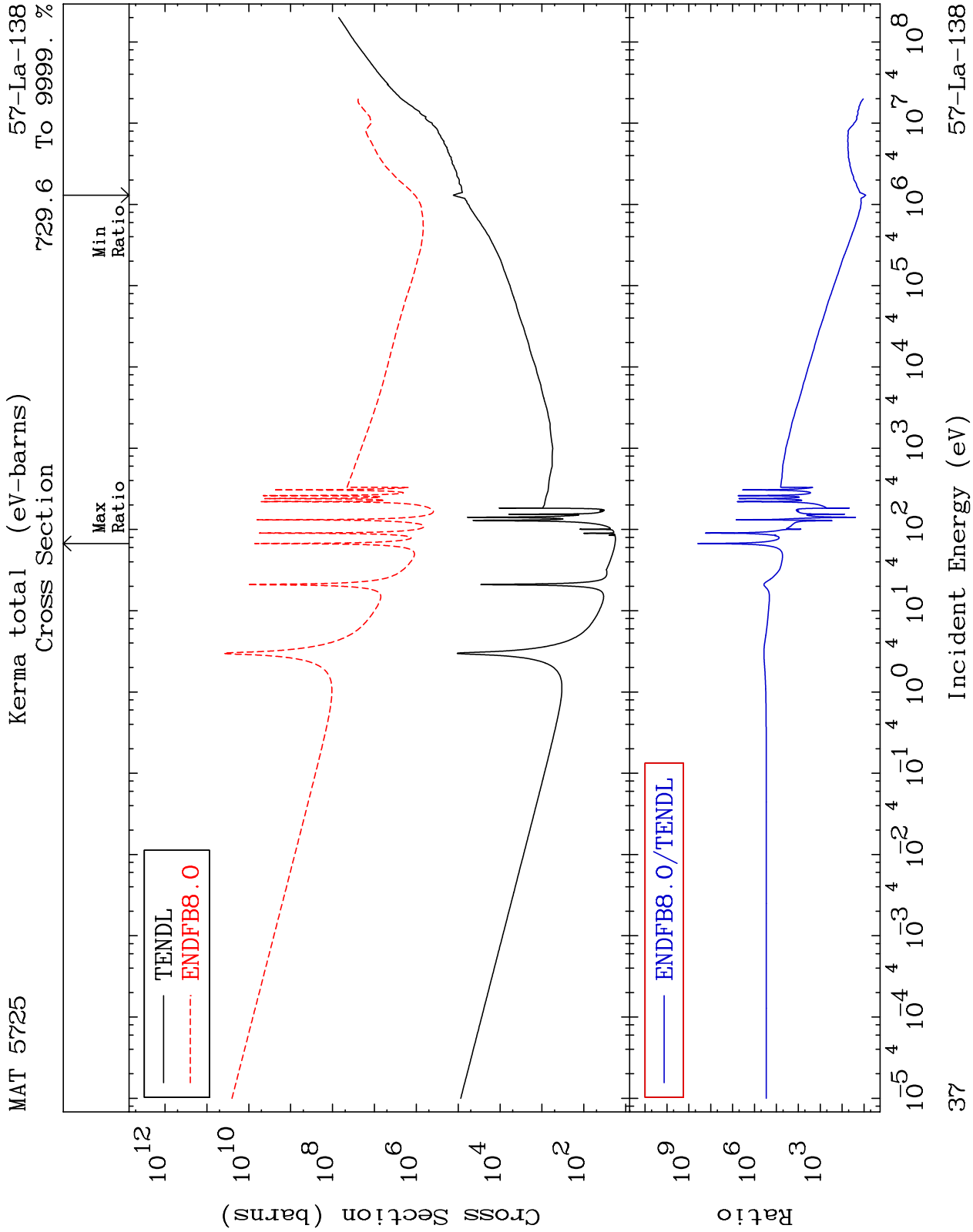
57-La-138

MAT 5725

He-4 Production
Cross Section

57-La-138
-100.0 To 2263. %

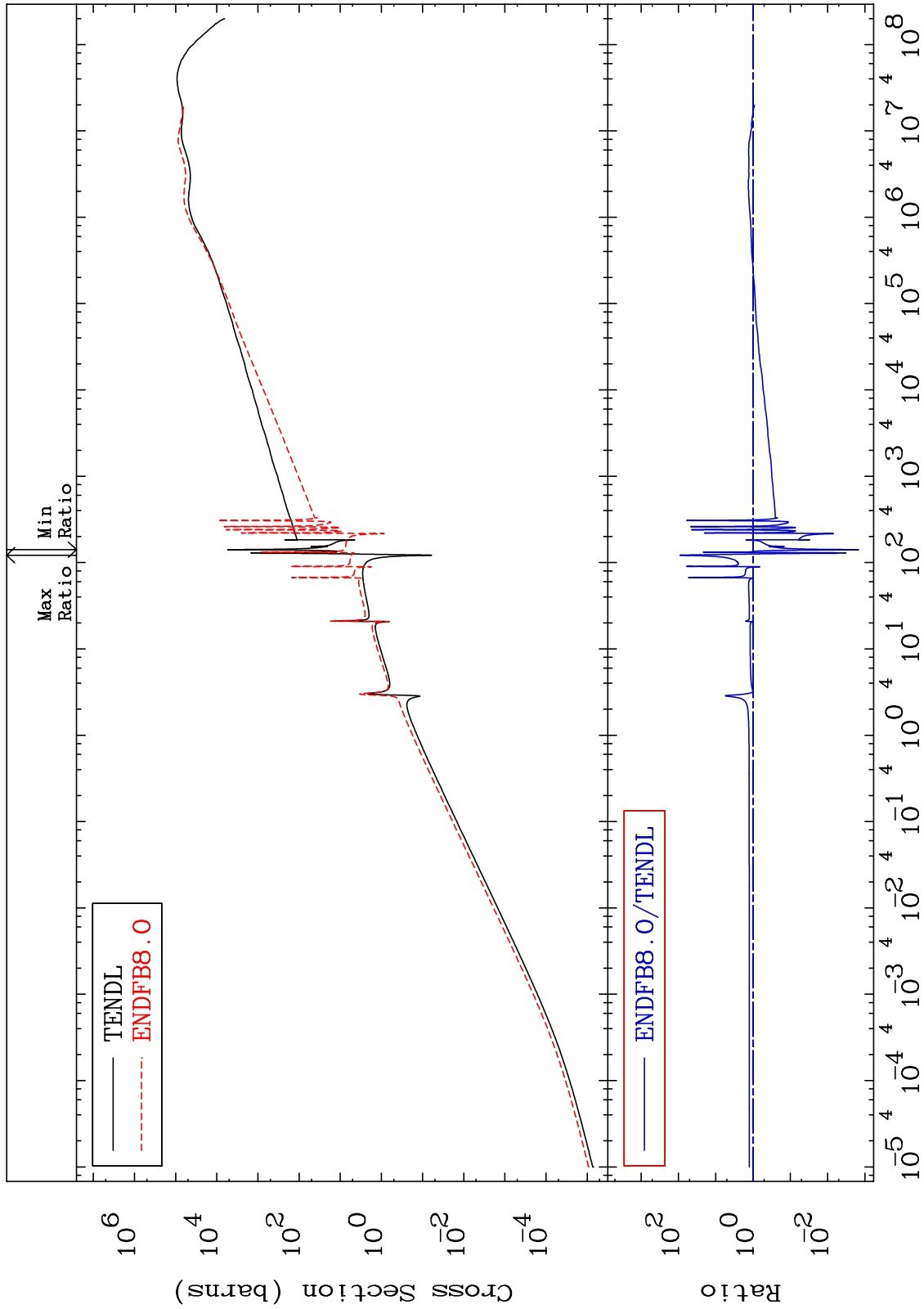


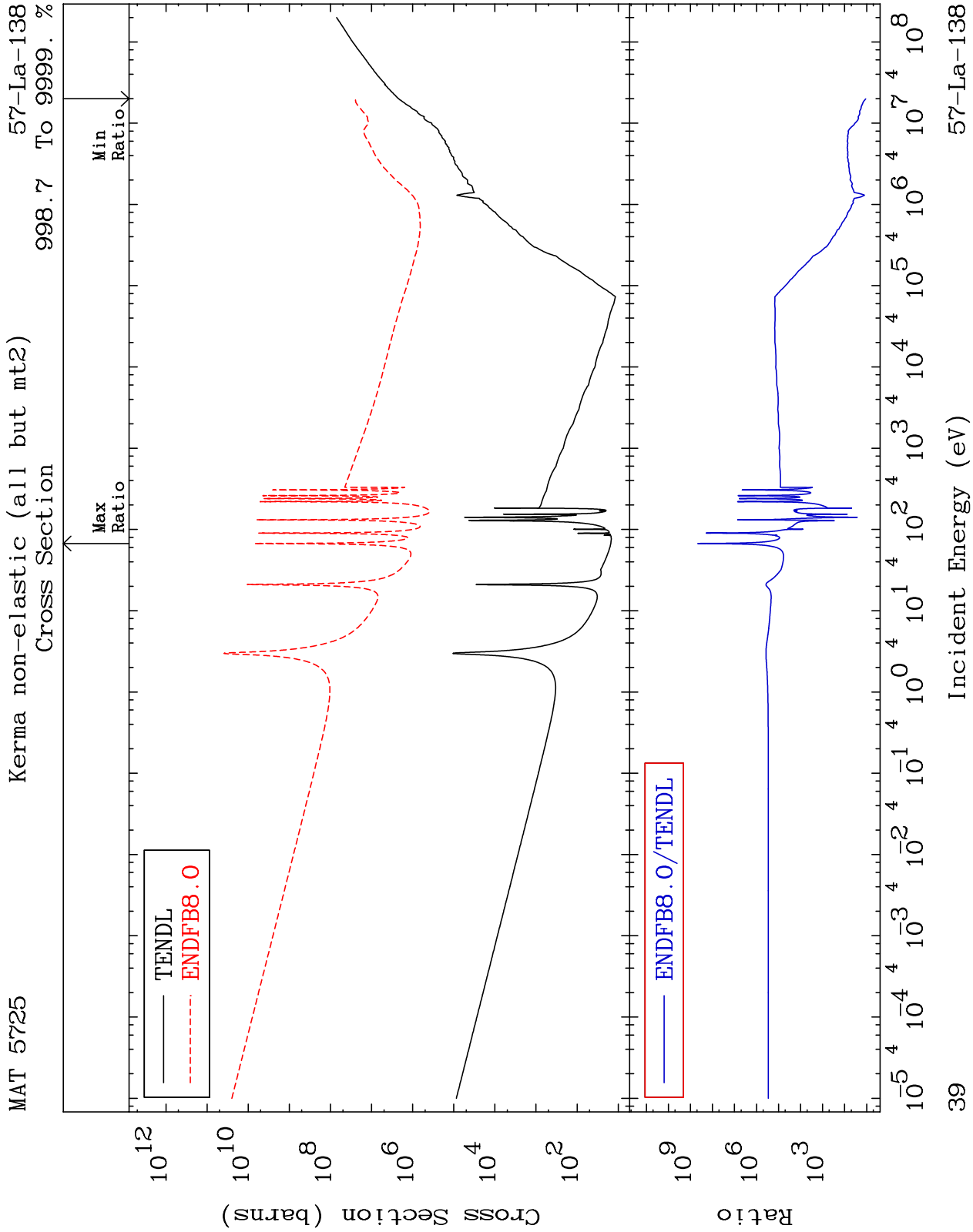


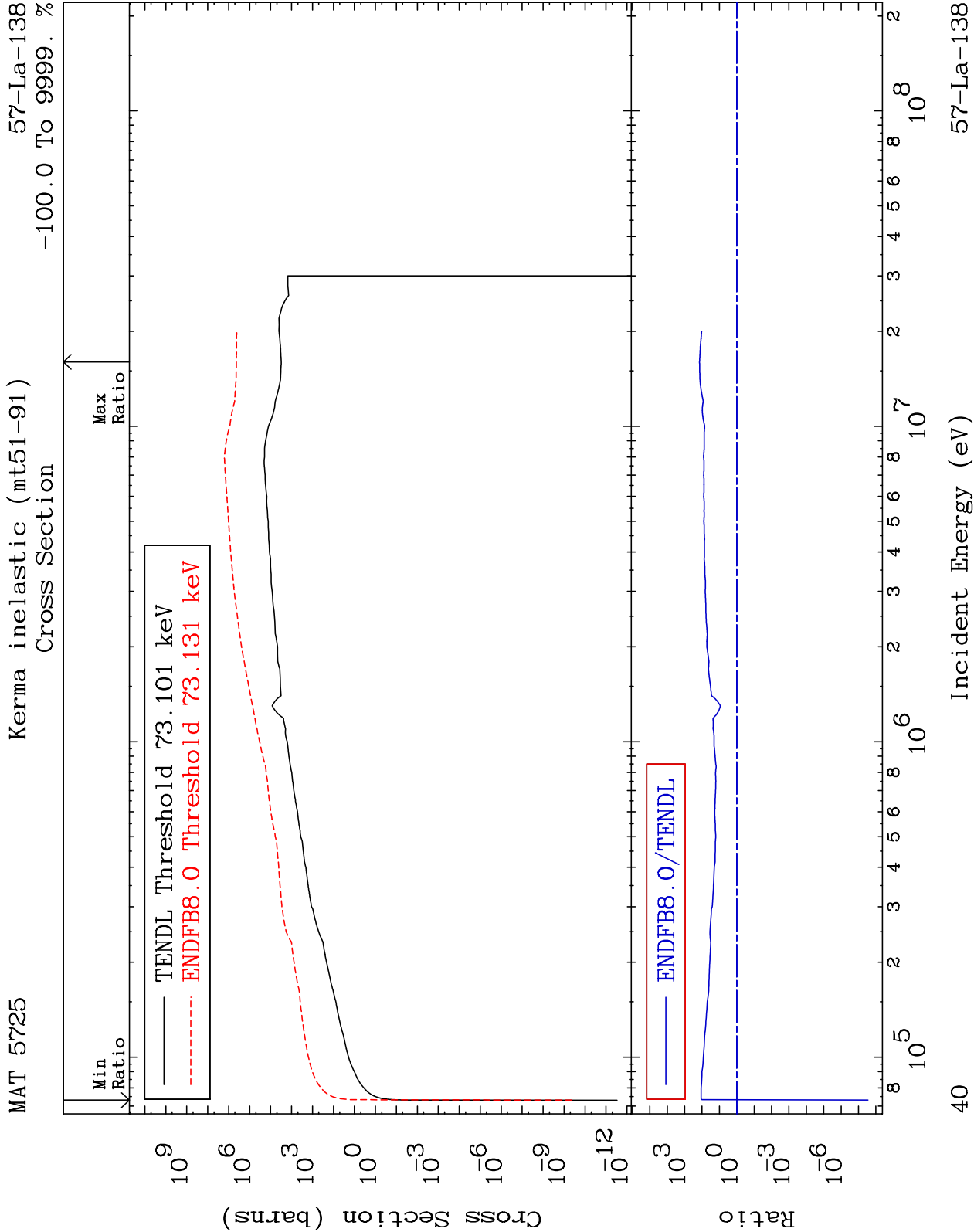
MAT 5725

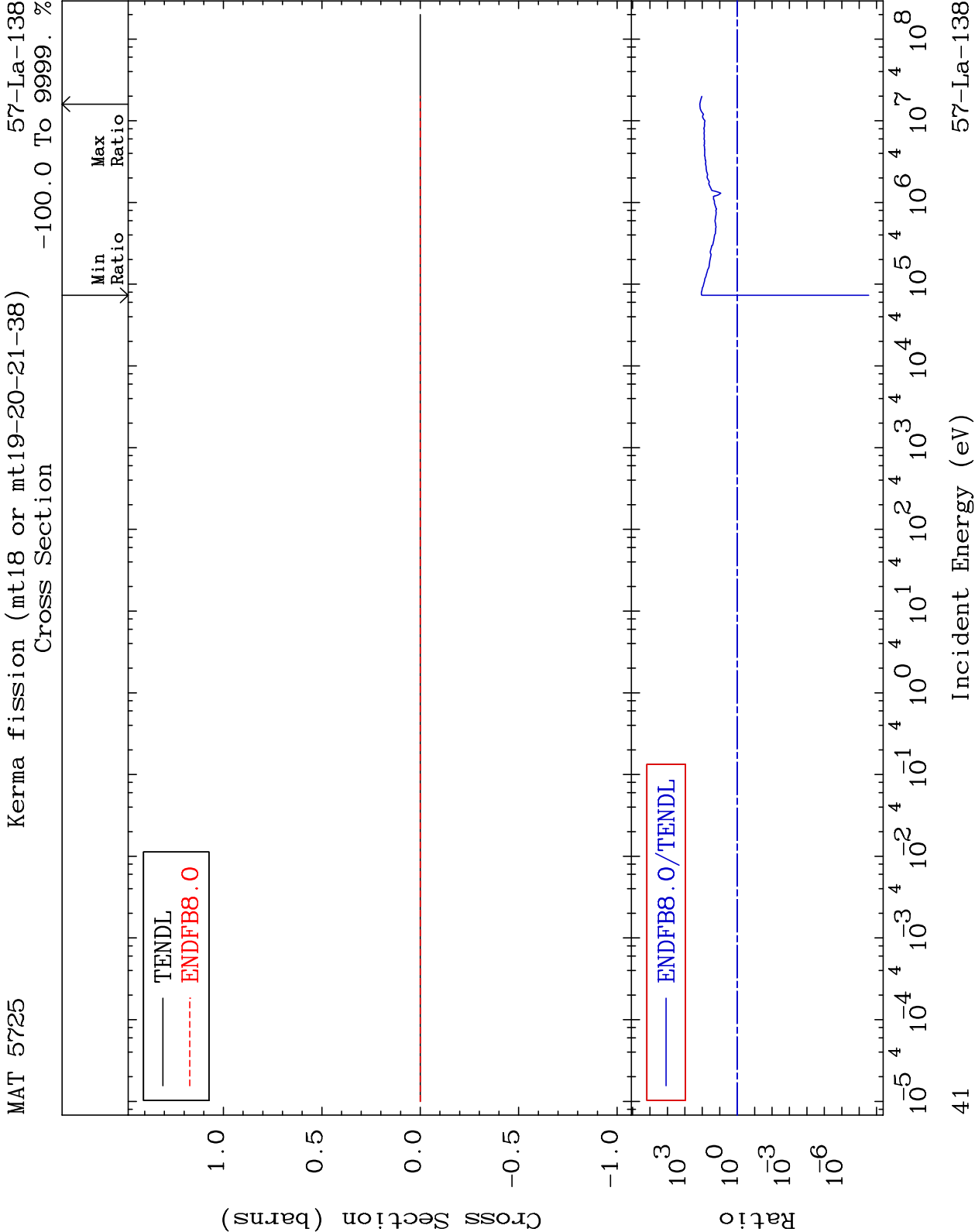
Kerma elastic
Cross Section

57-La-138
-99.85 To 8941. %









MAT 5725

Kerma capture (mt102)
Cross Section

57-La-138
2567. To 9999. %

