

Program Complot
(Version 2018-1)

by

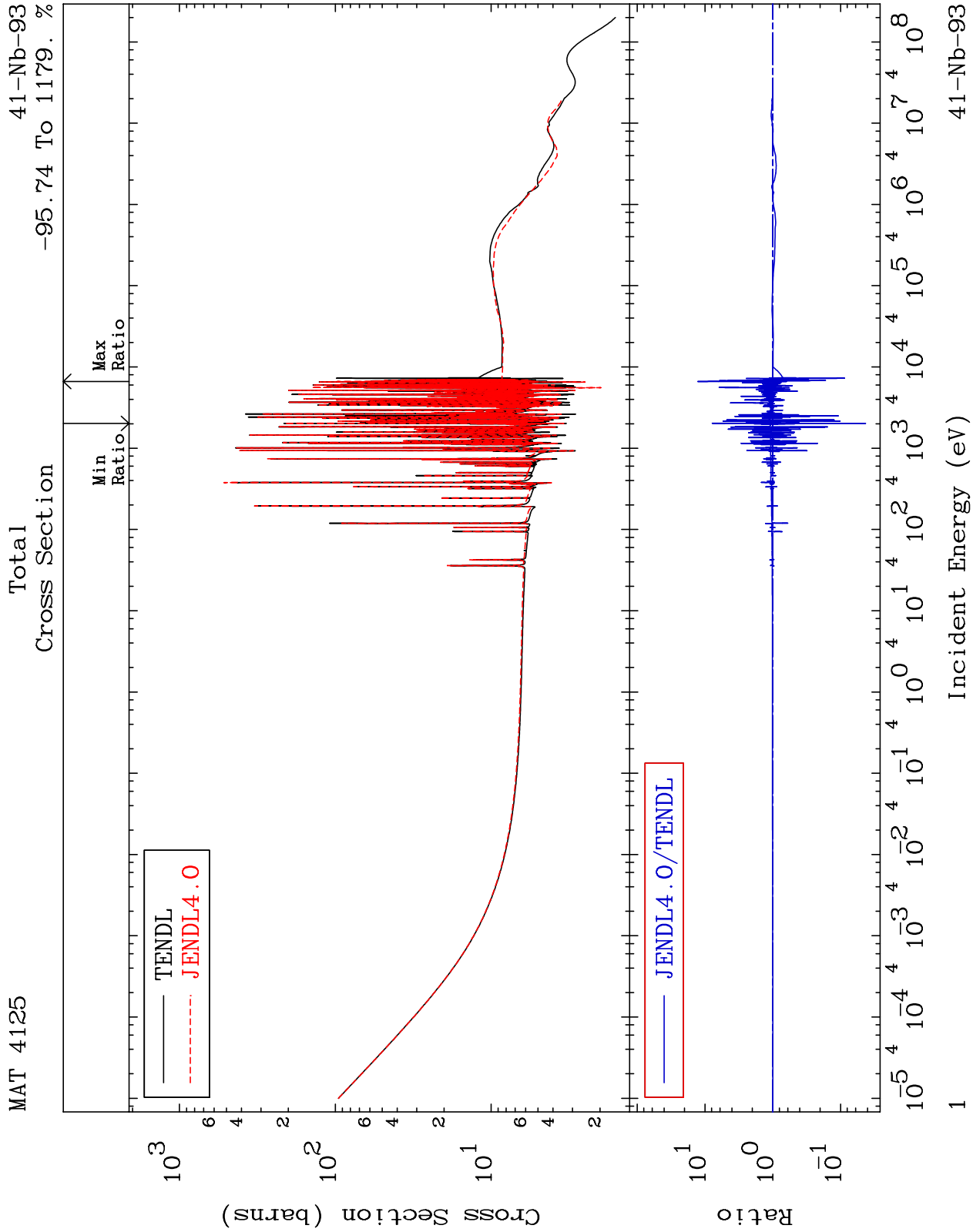
Dermott E. Cullen
(Present Contact Information)

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



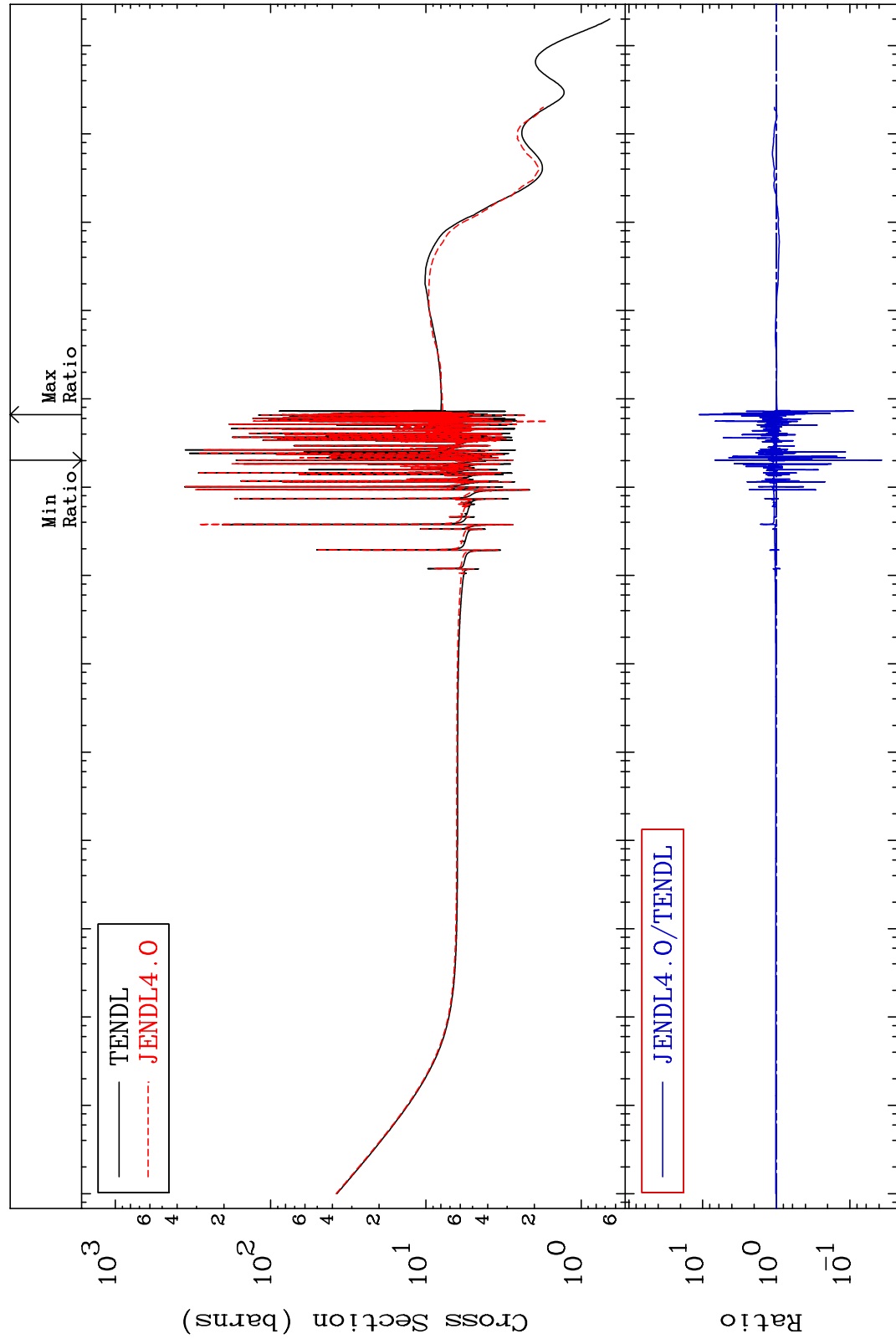
MAT 4125

Elastic

Cross Section

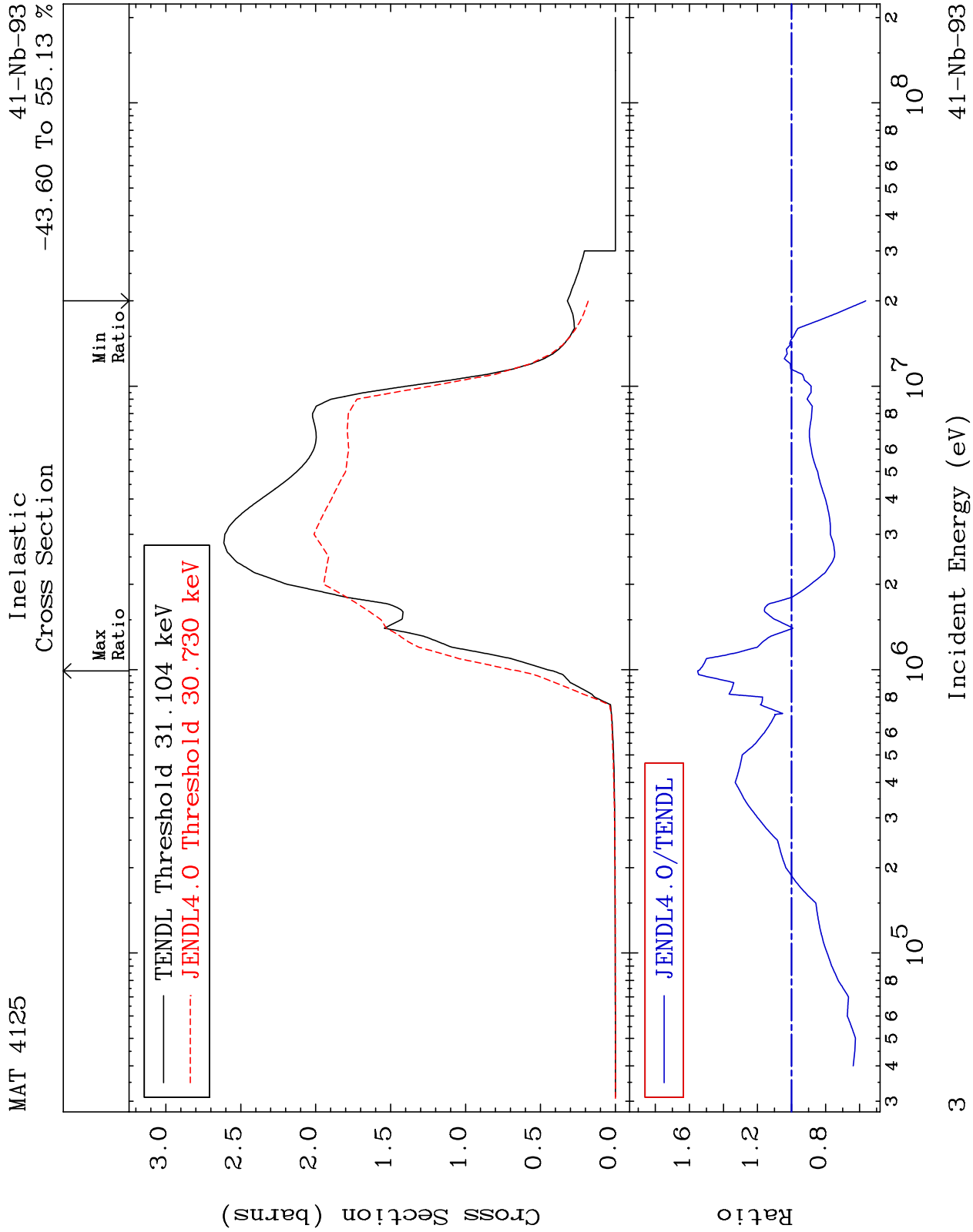
41-Nb-93

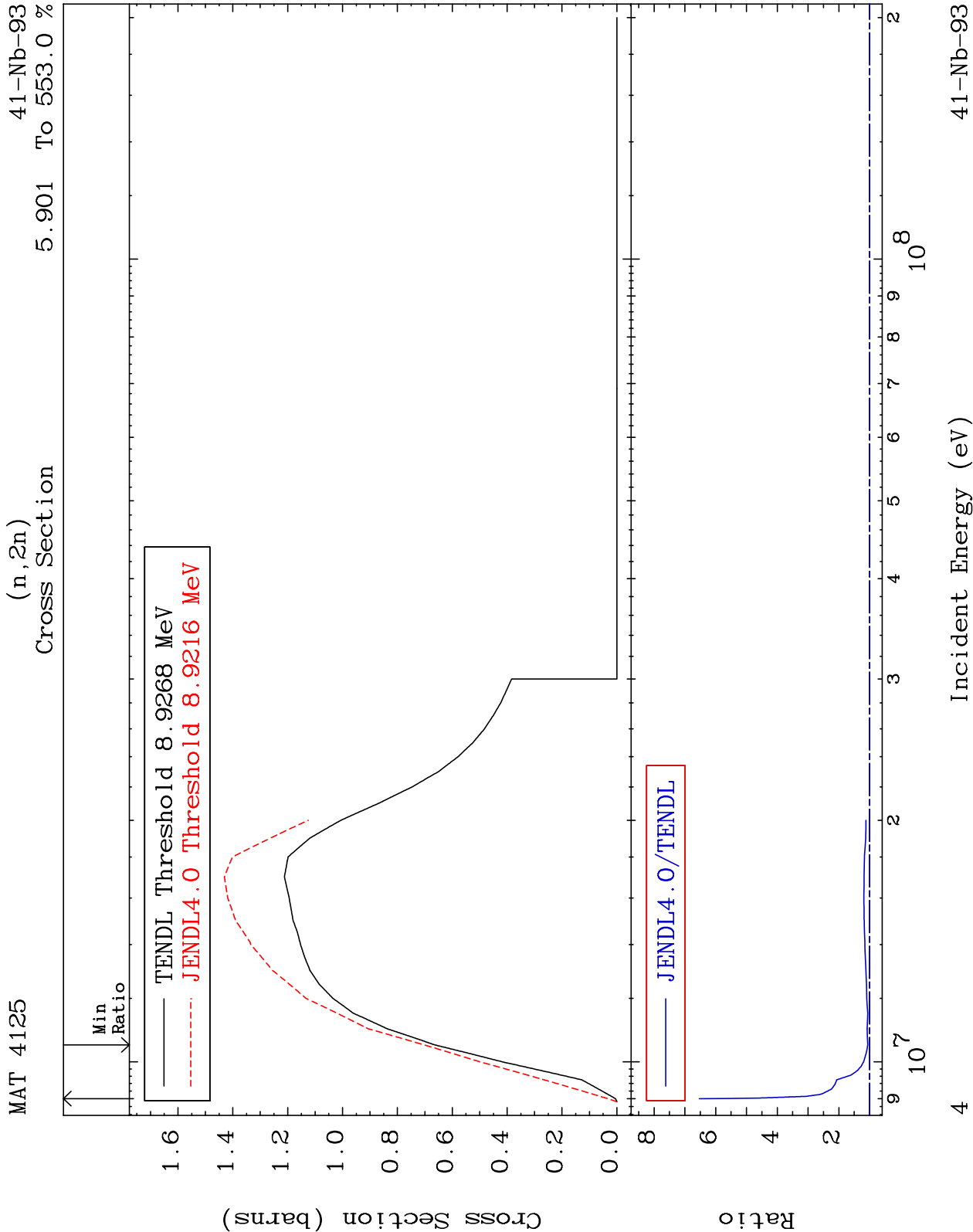
-96.31 To 1016. %

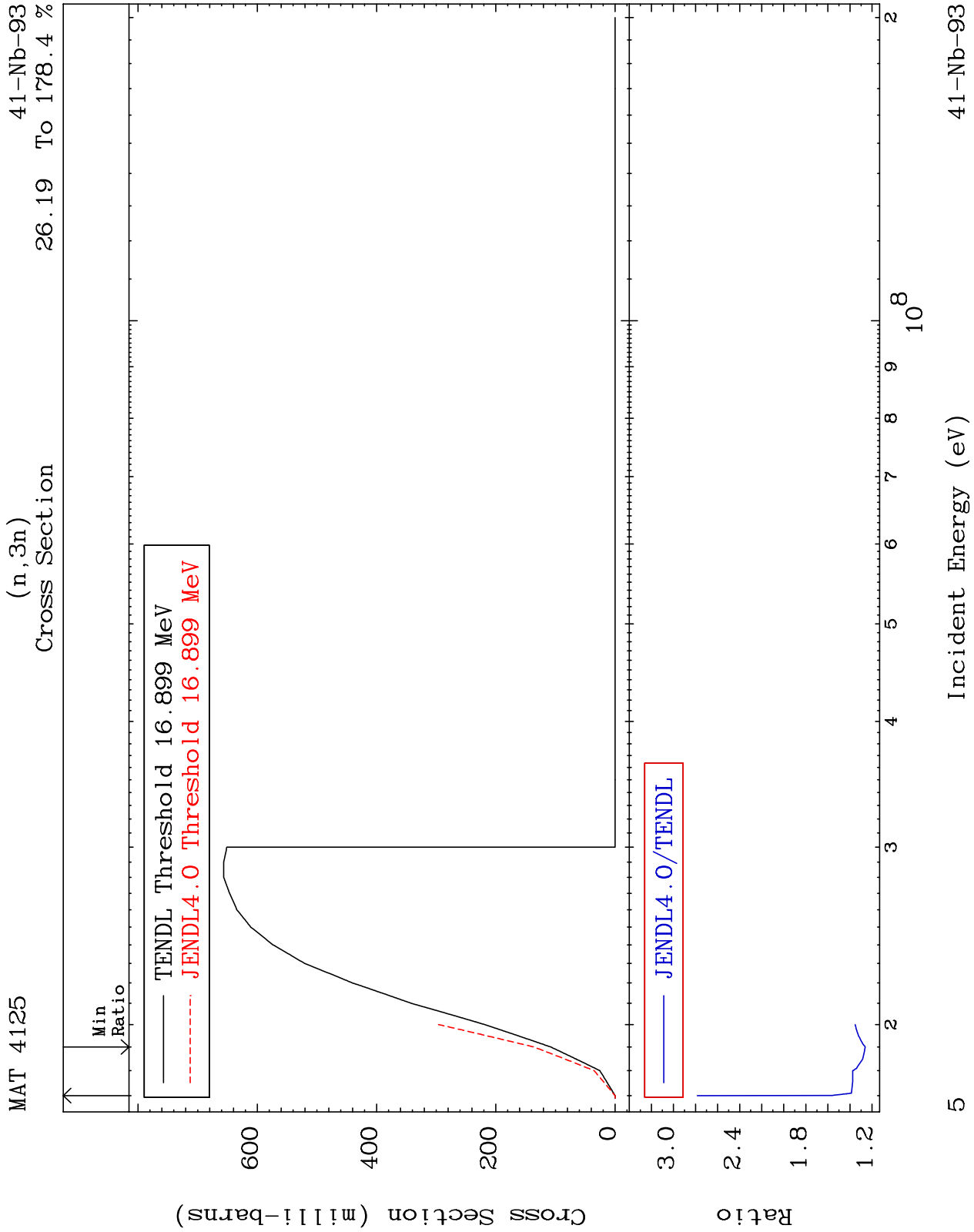


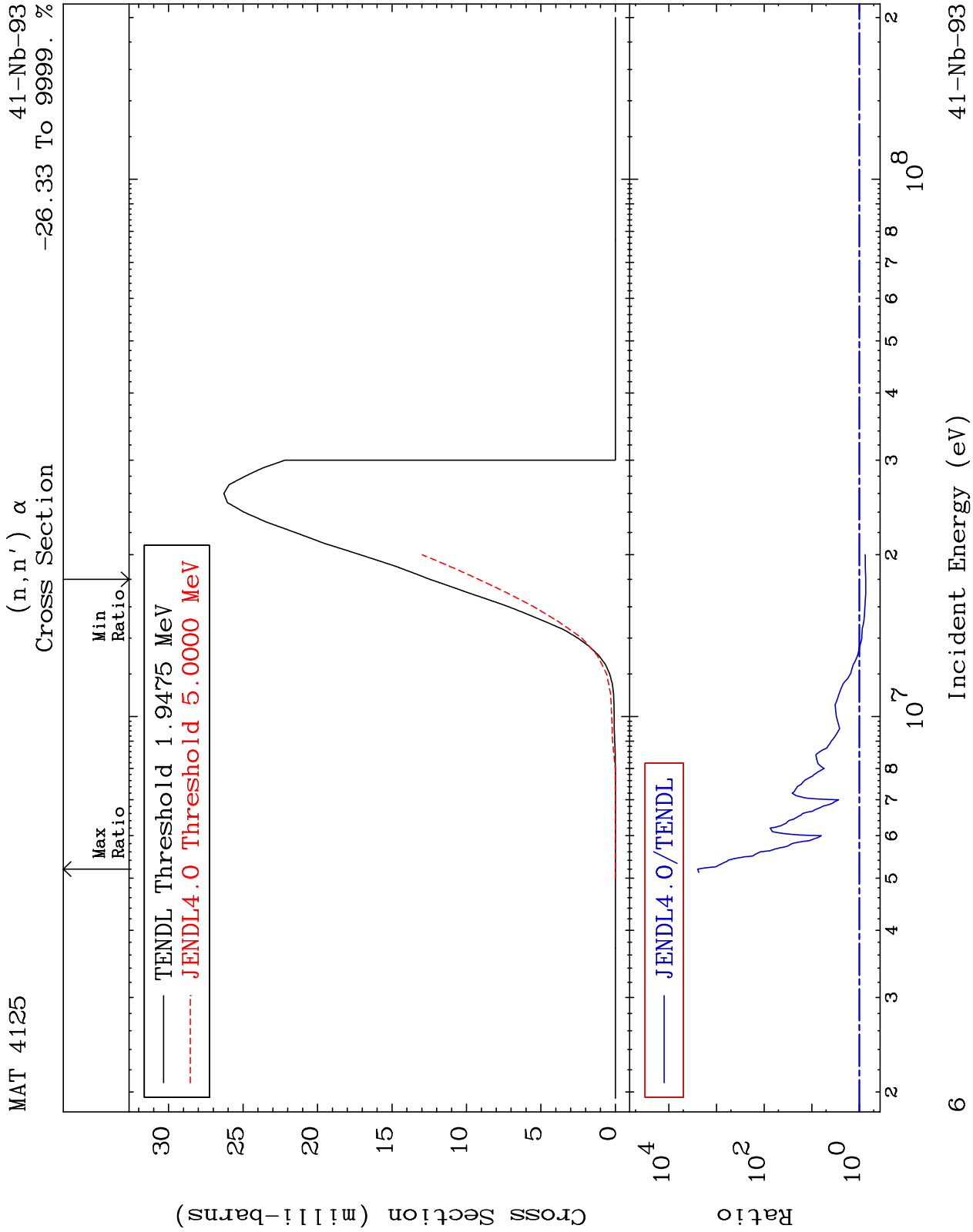
Incident Energy (eV)

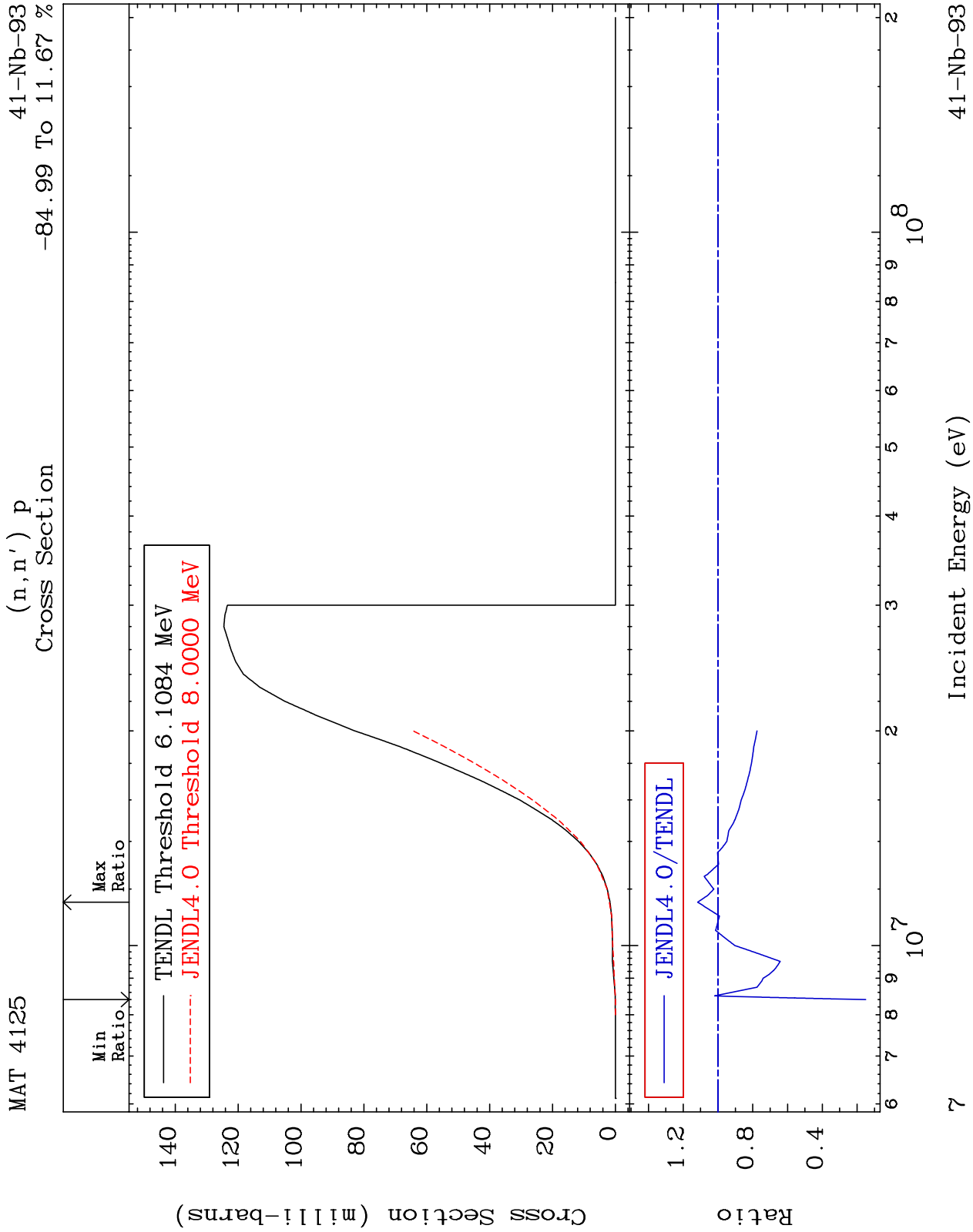
41-Nb-93

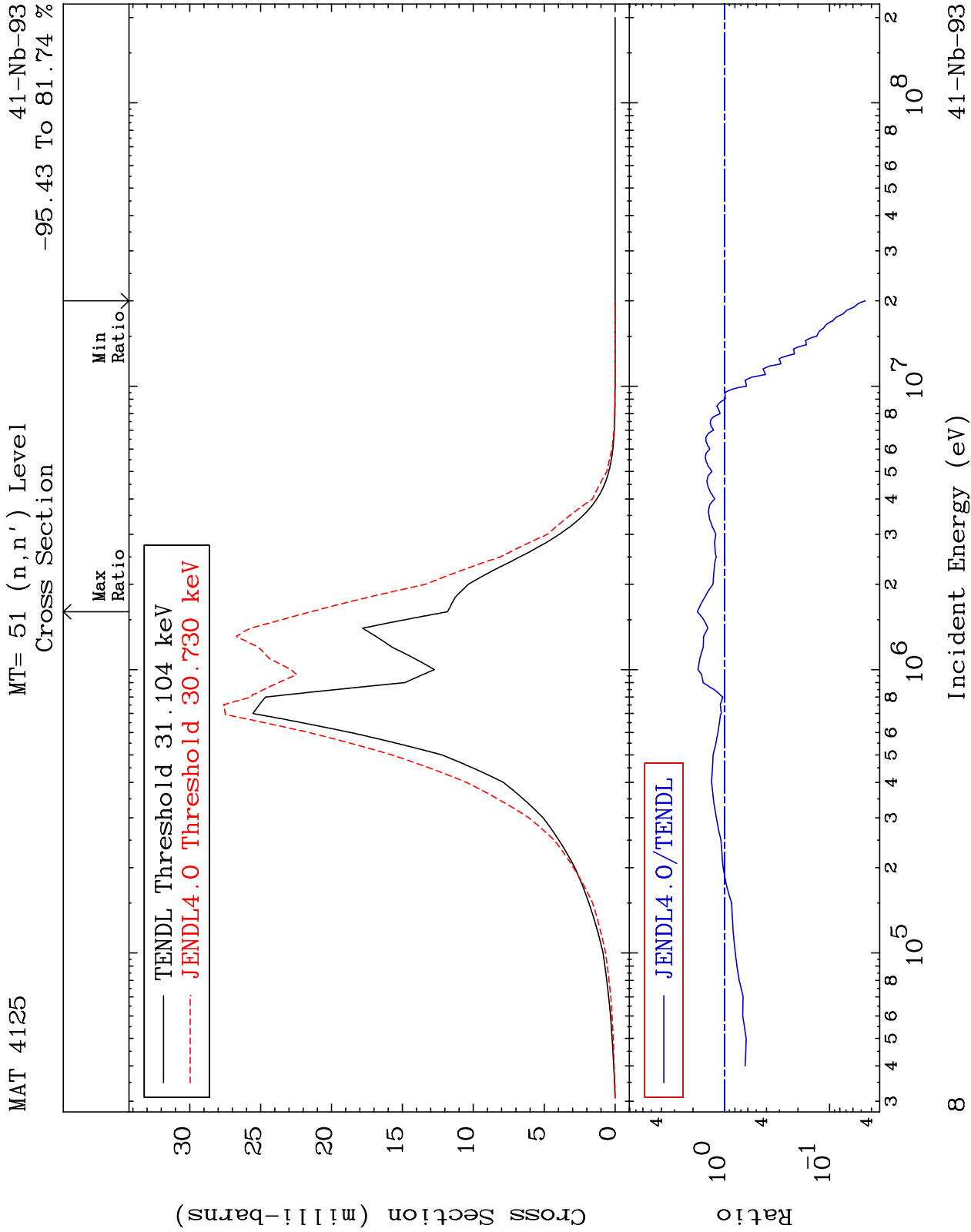


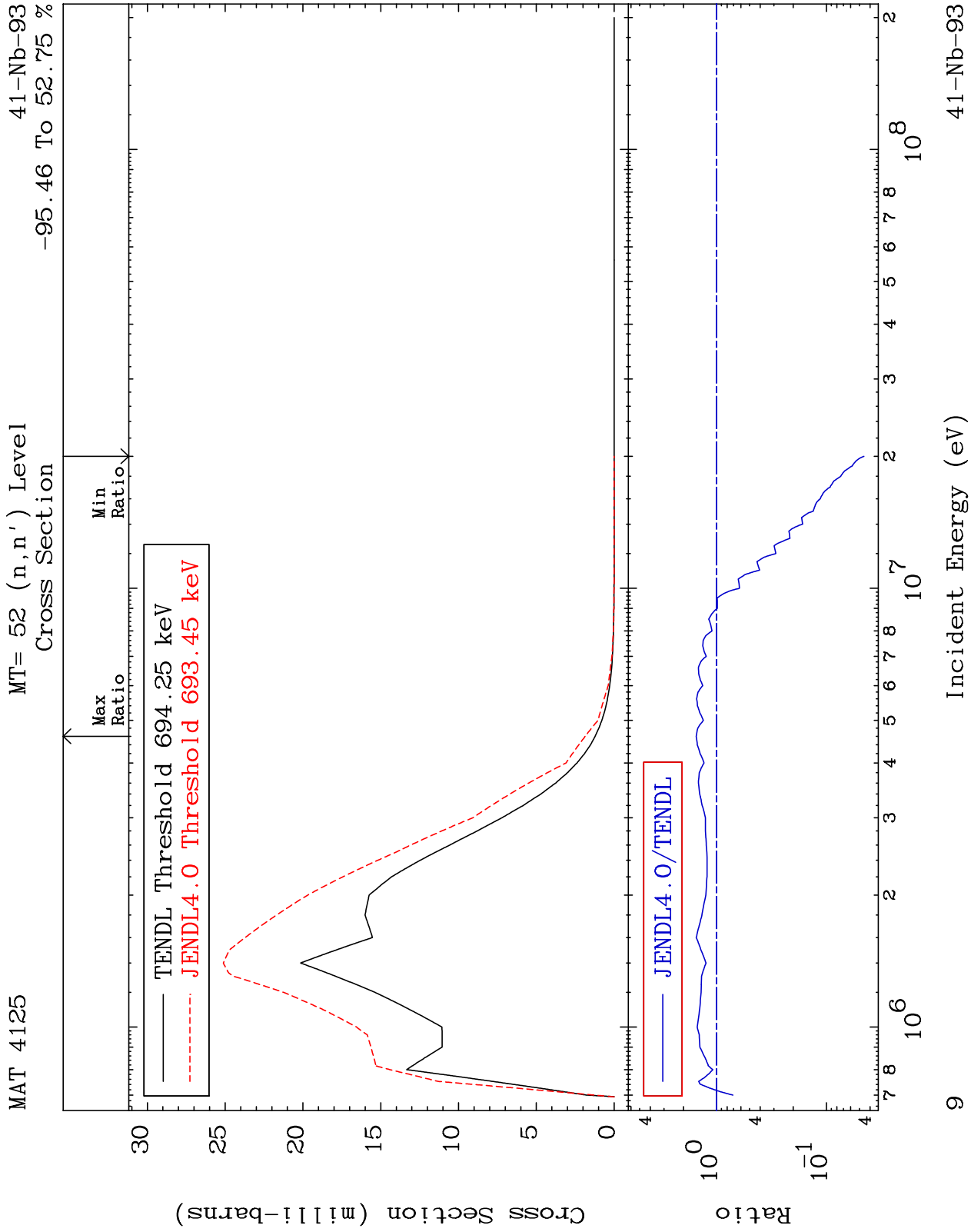


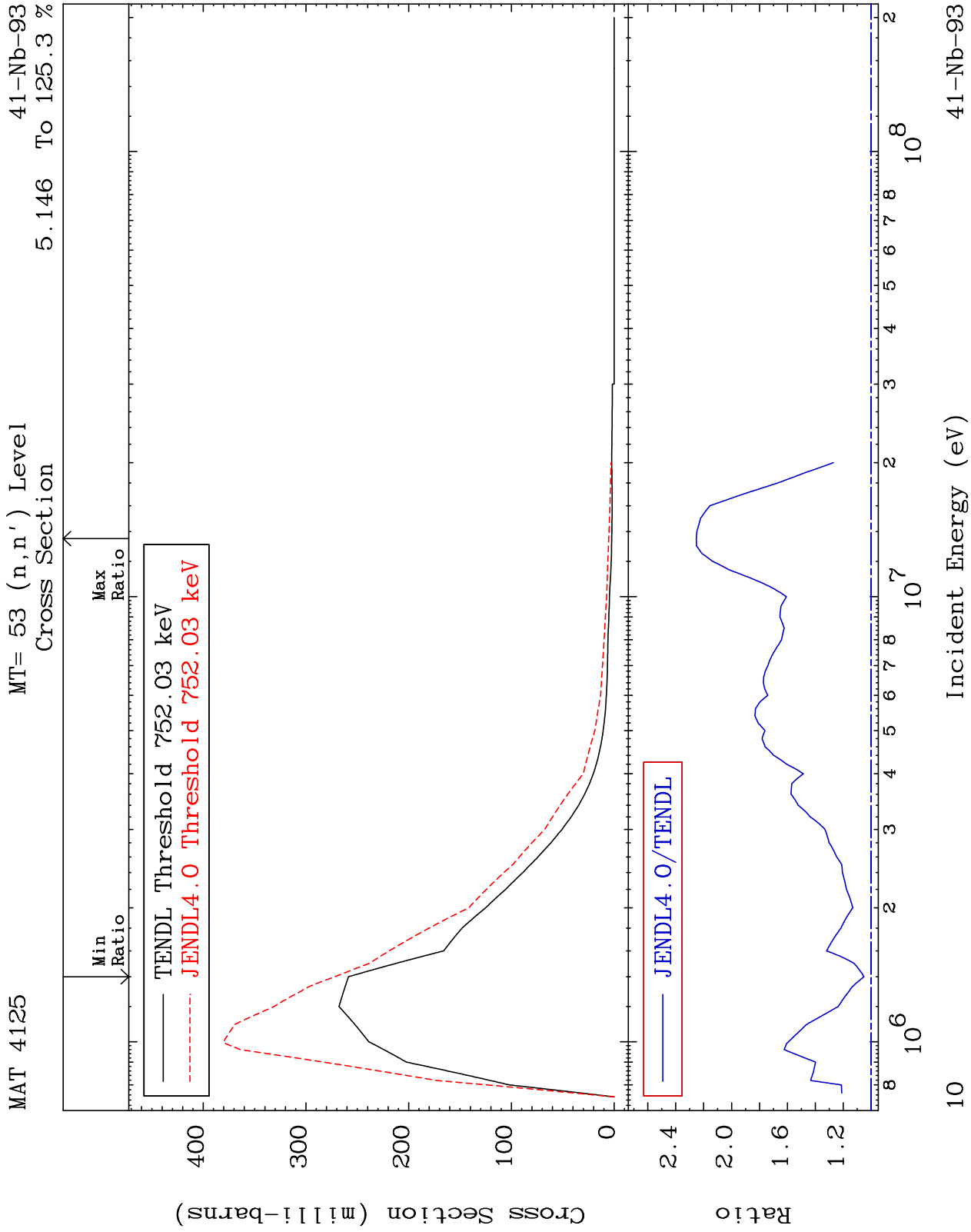


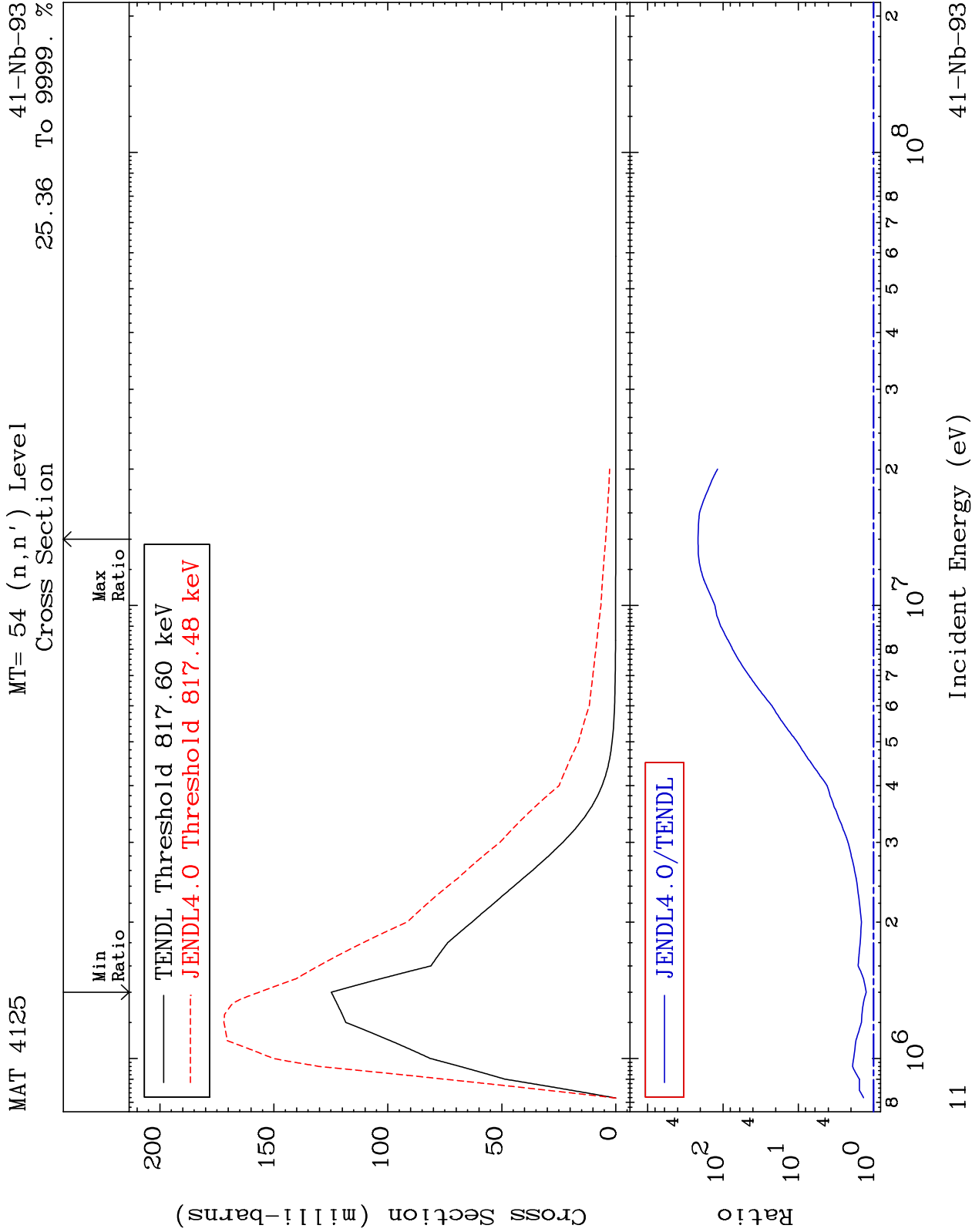


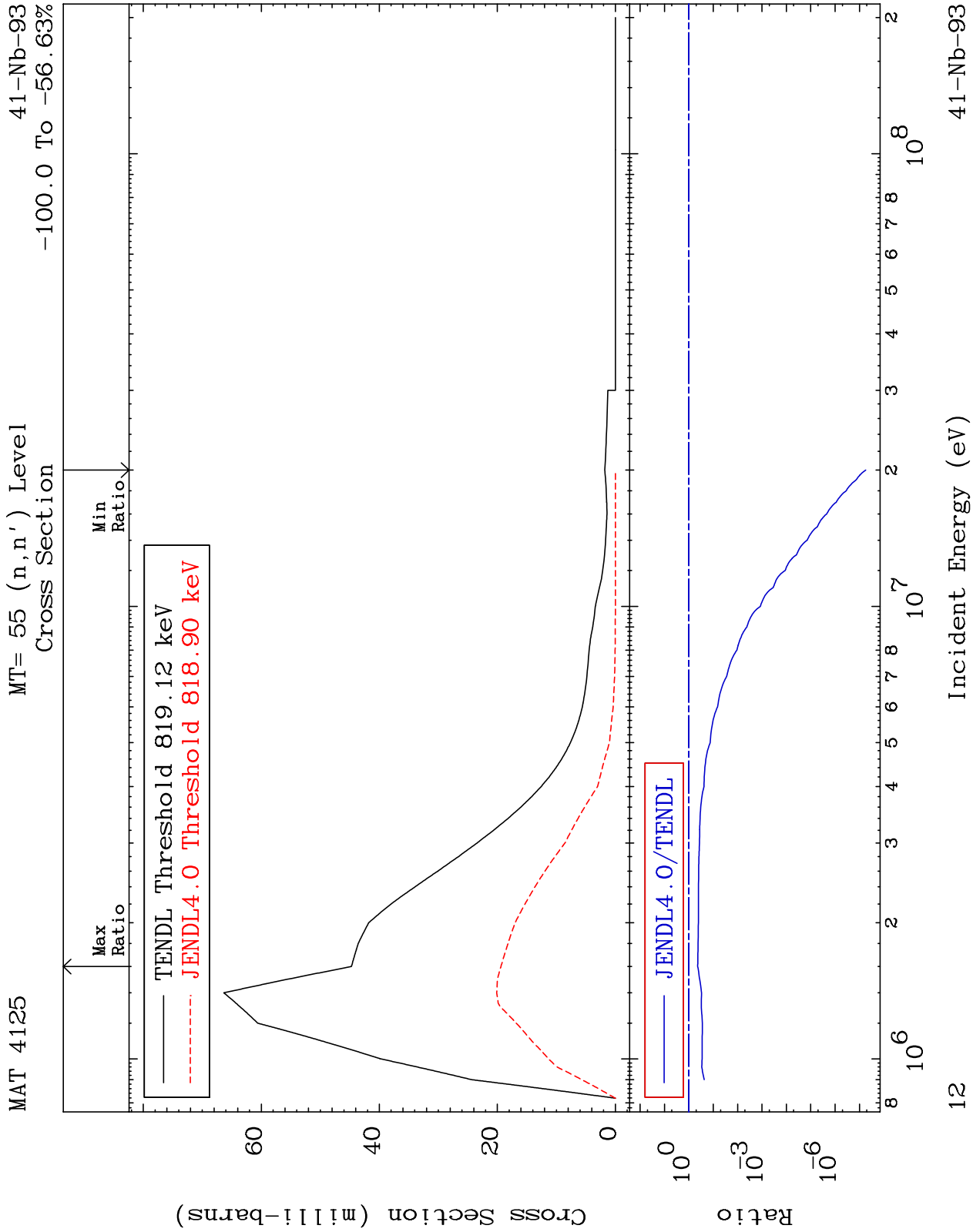


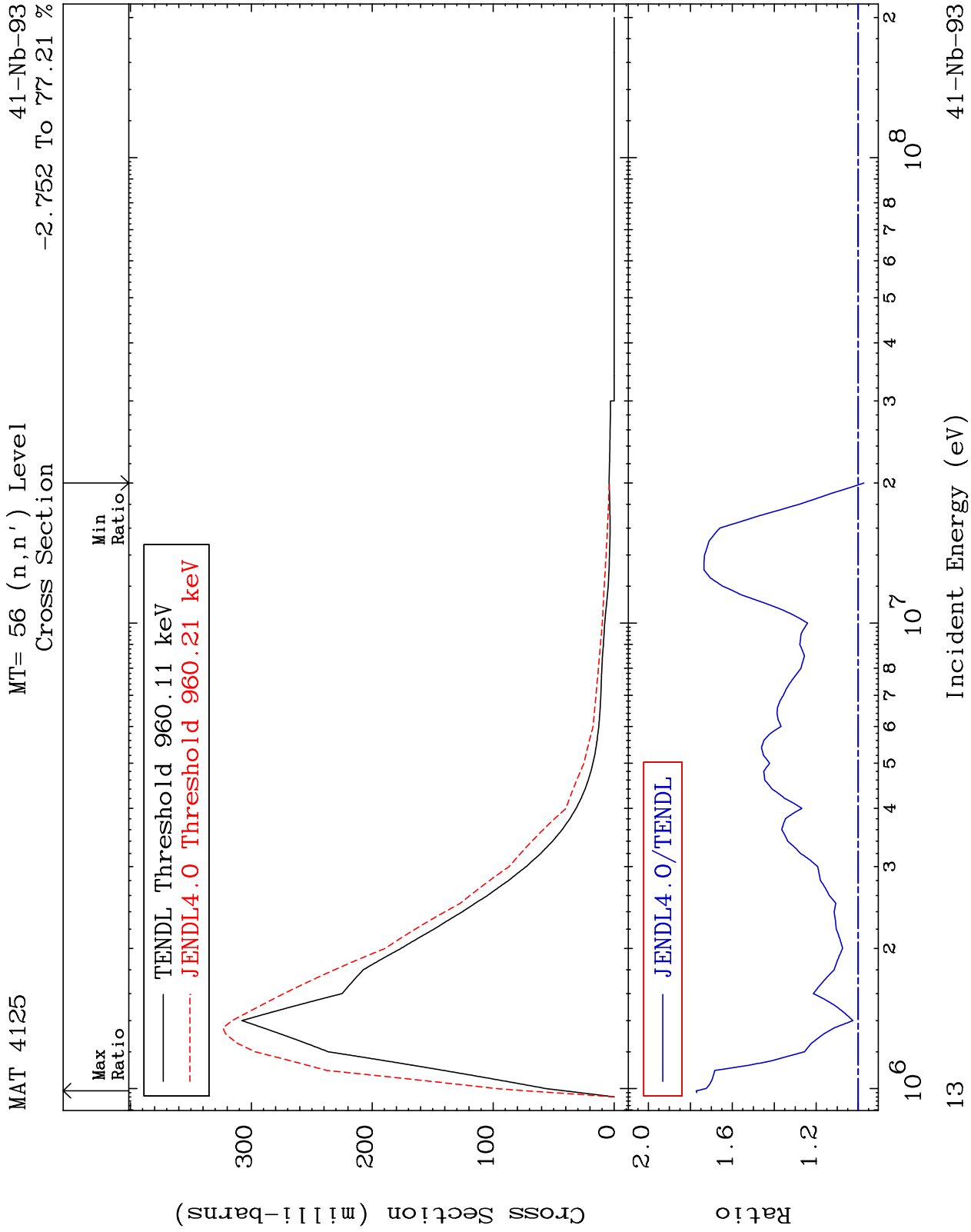








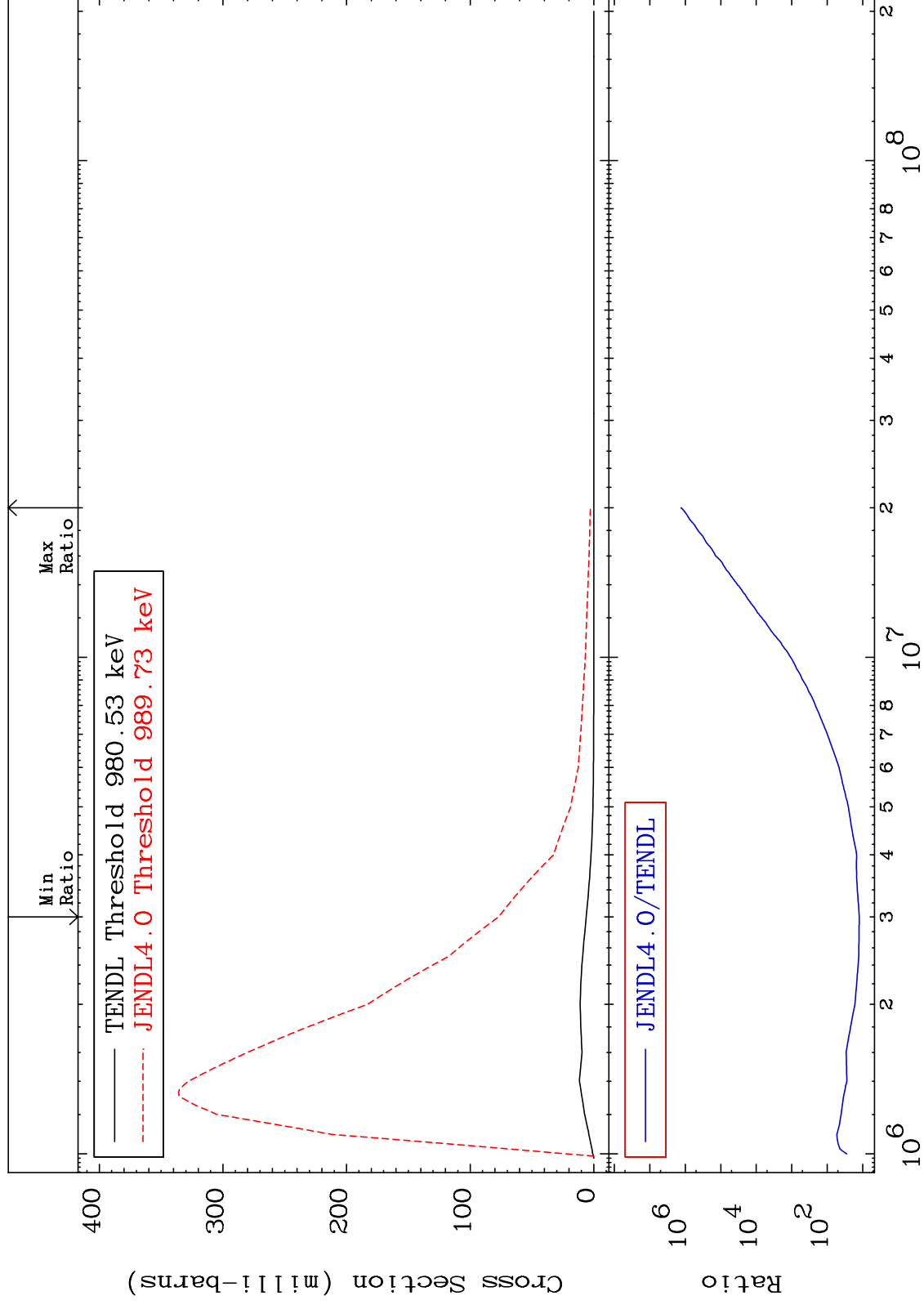


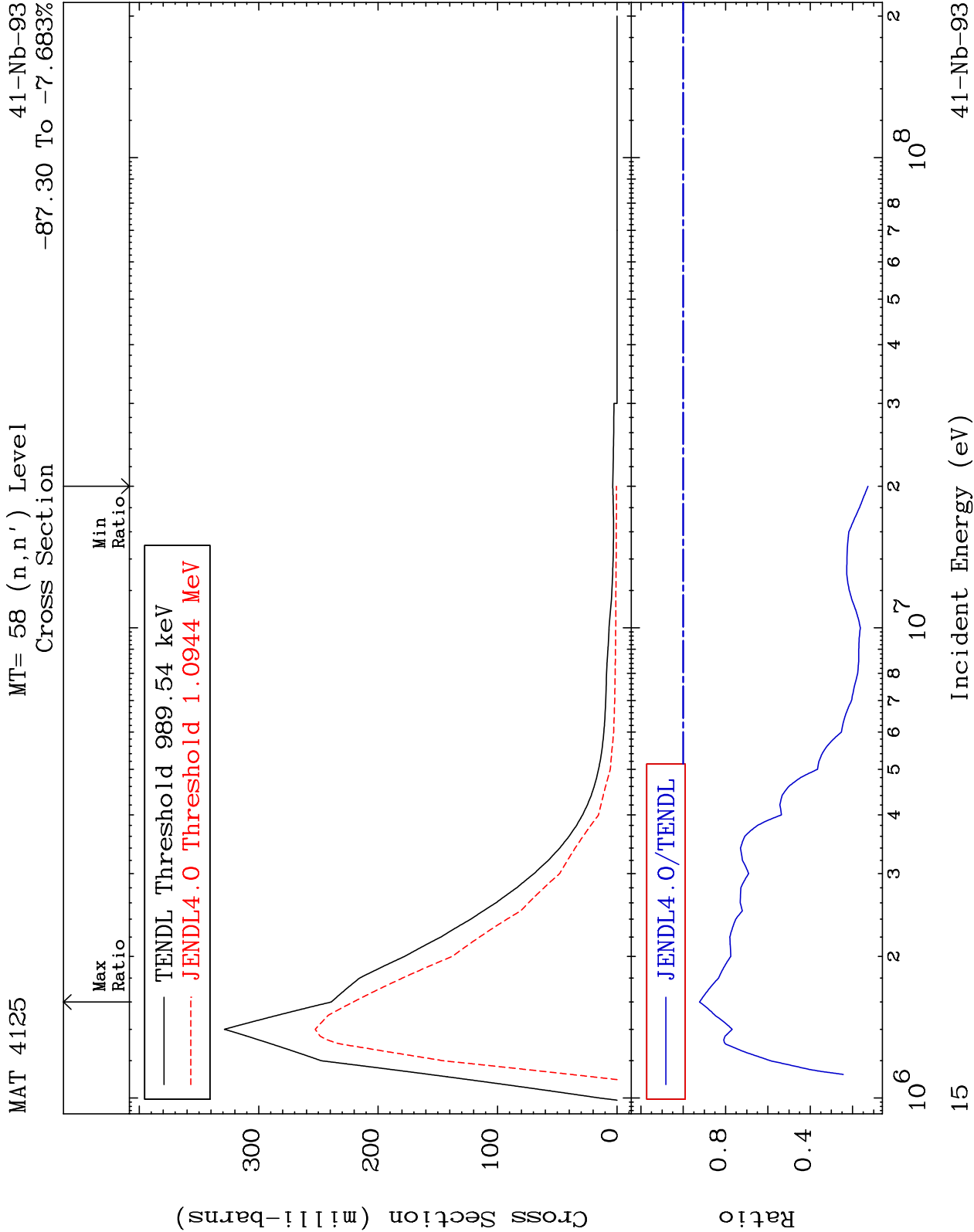


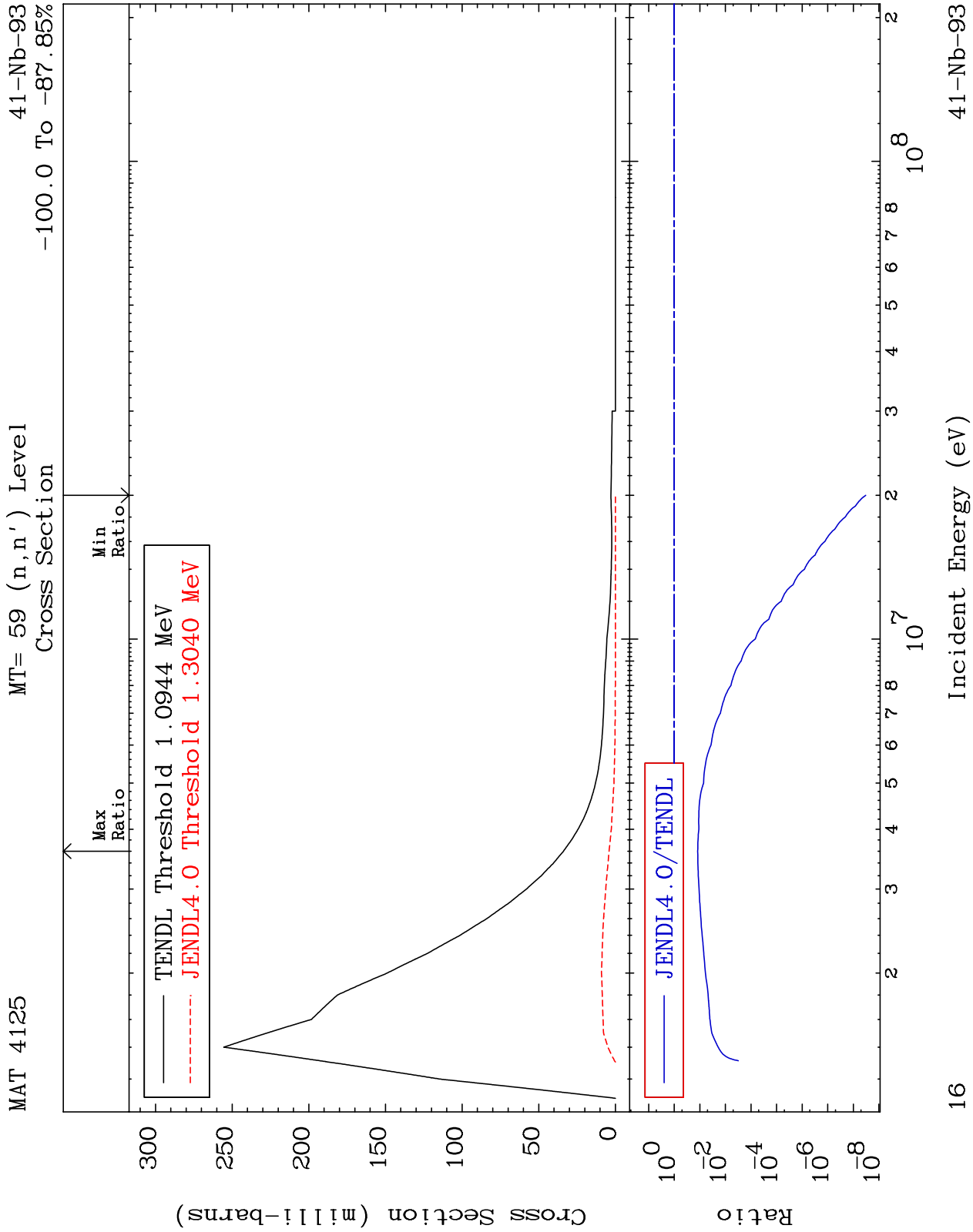
MAT 4125

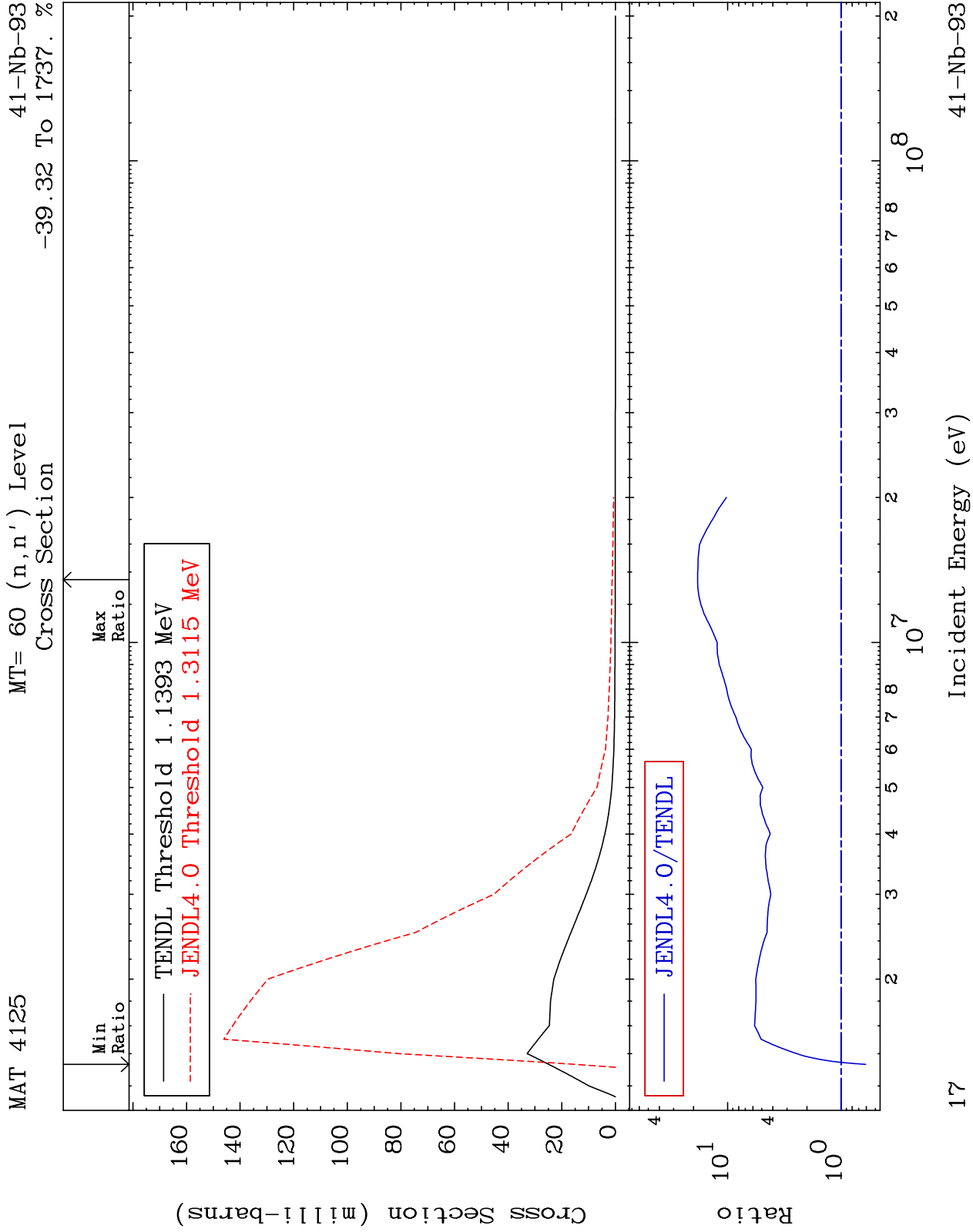
MT= 57 (n, n') Level
Cross Section

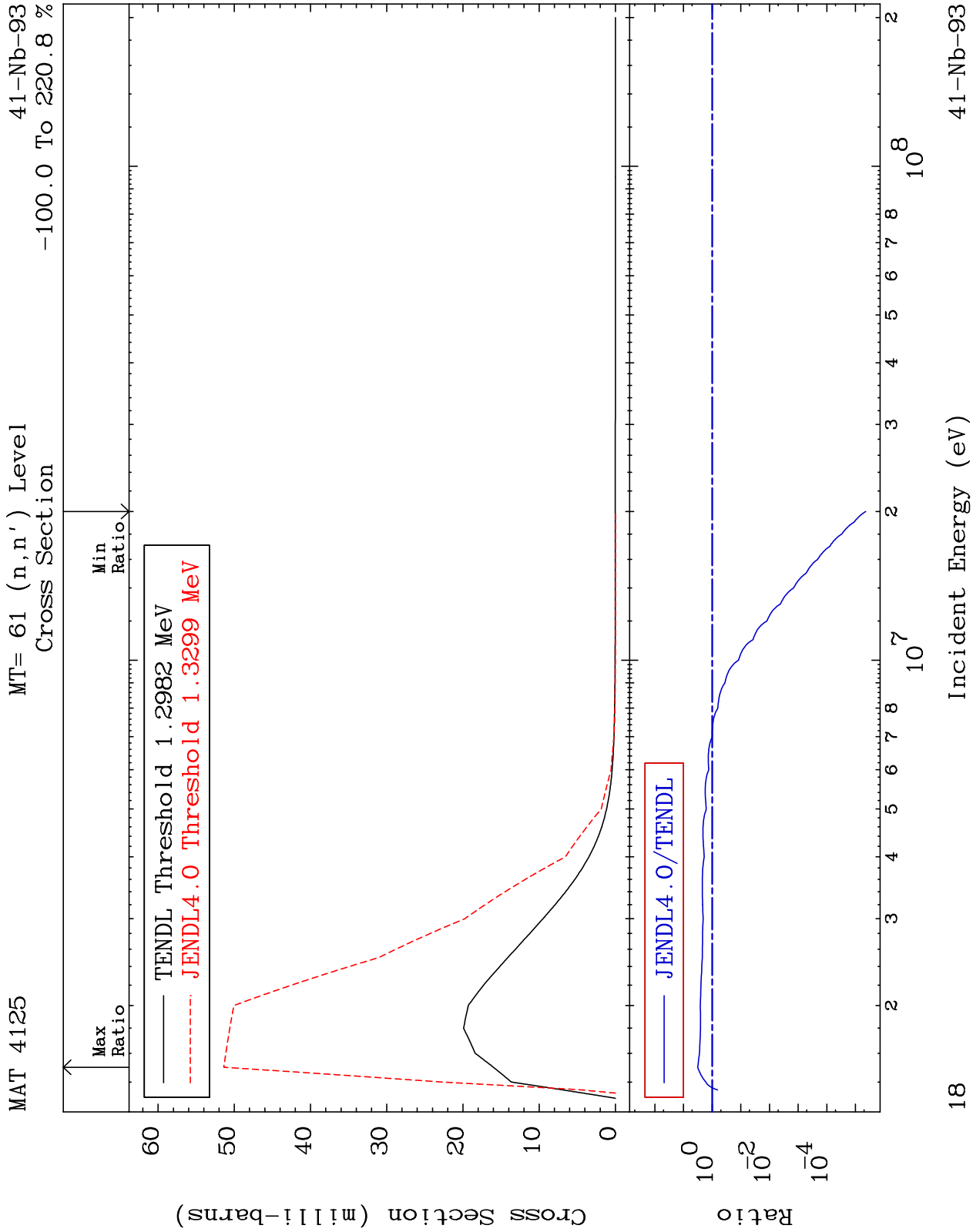
41-Nb-93
1154. To 9999. %

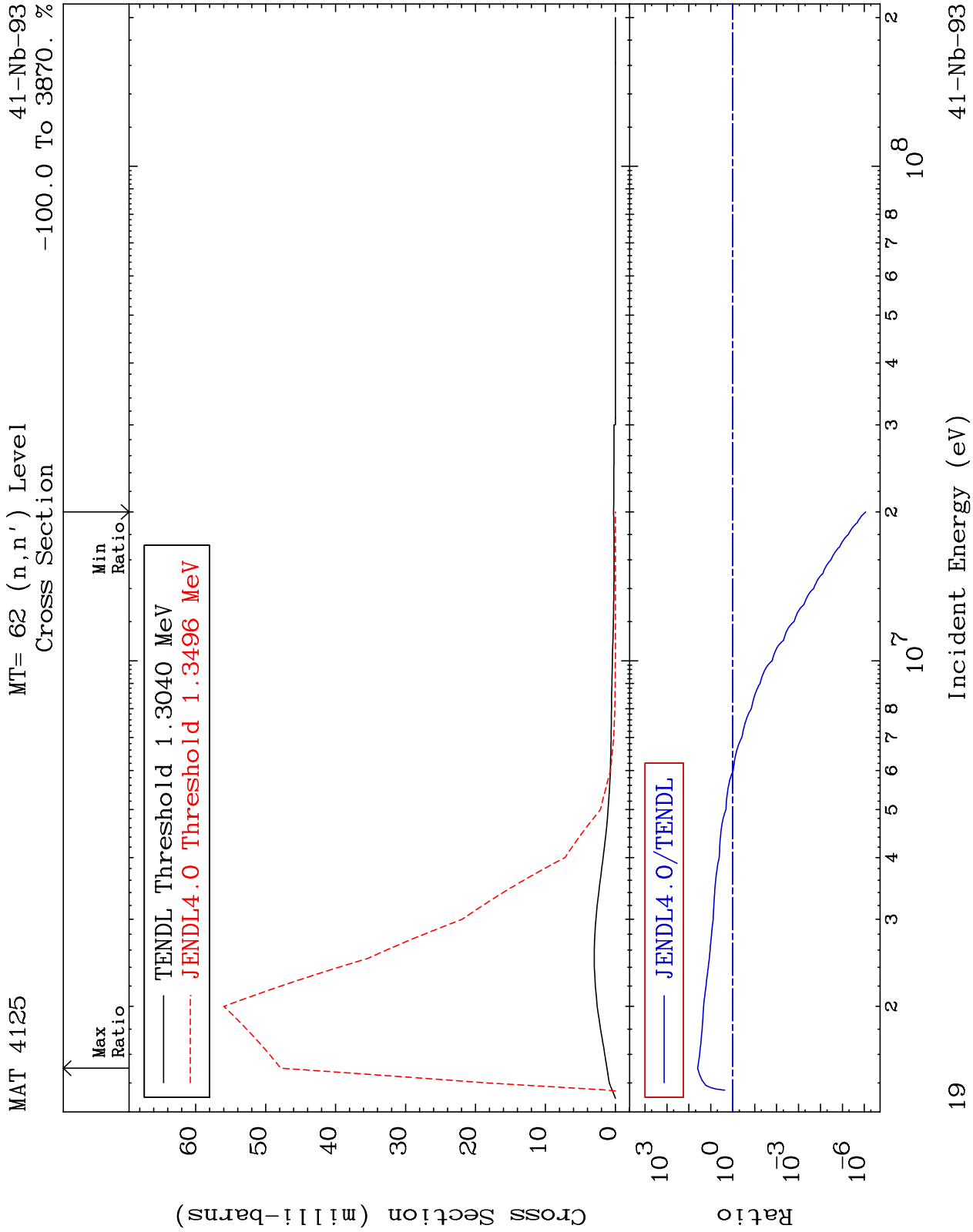


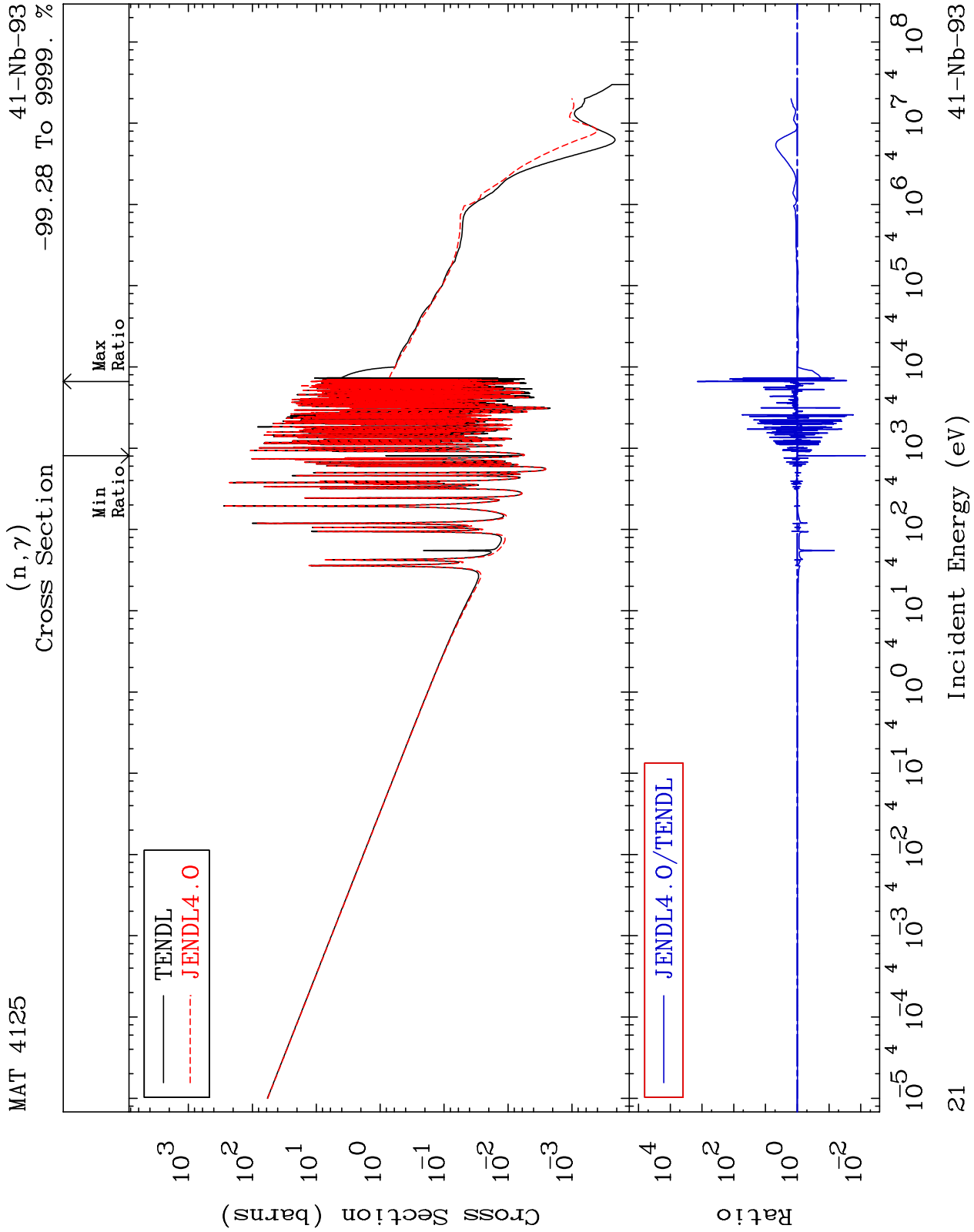


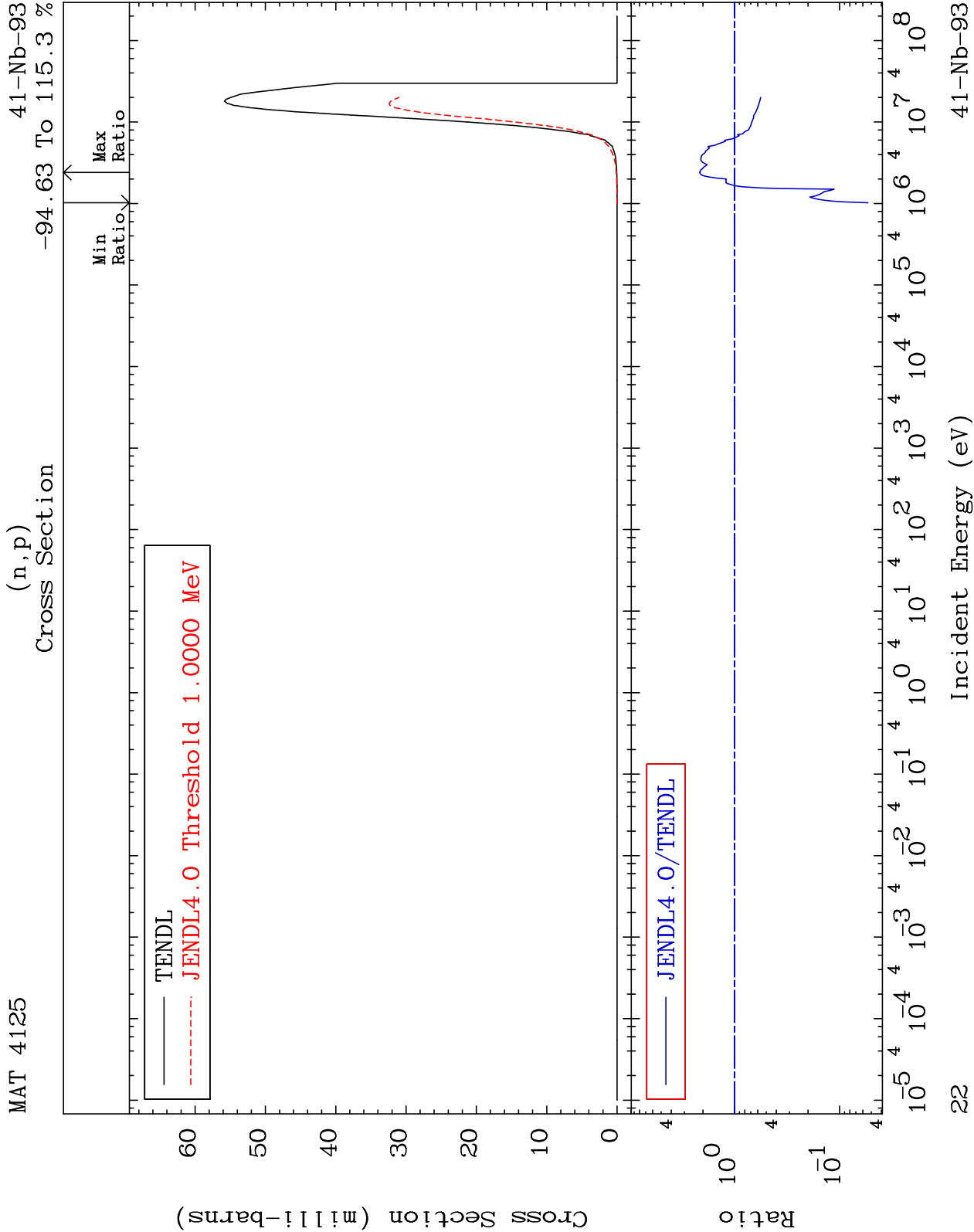


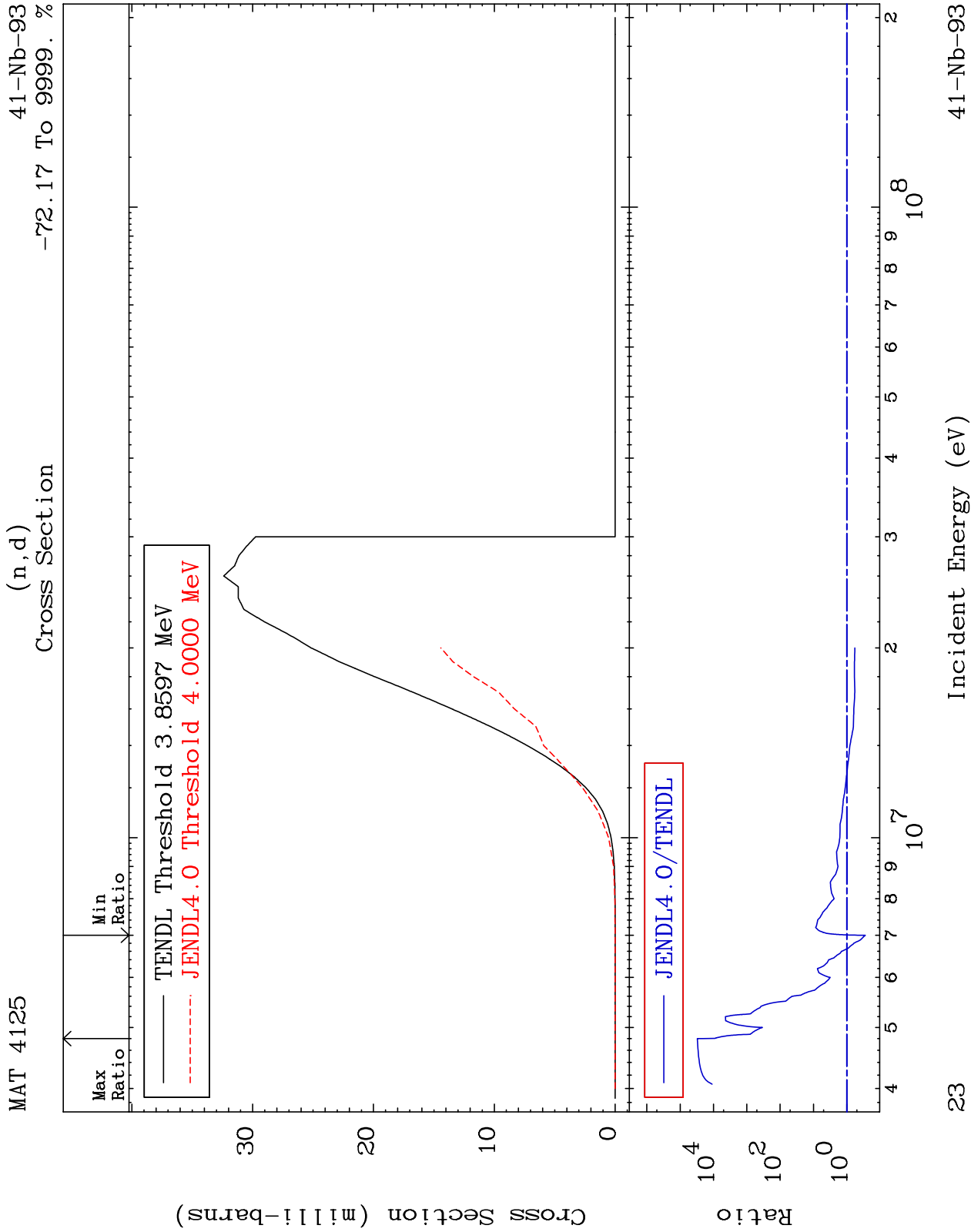


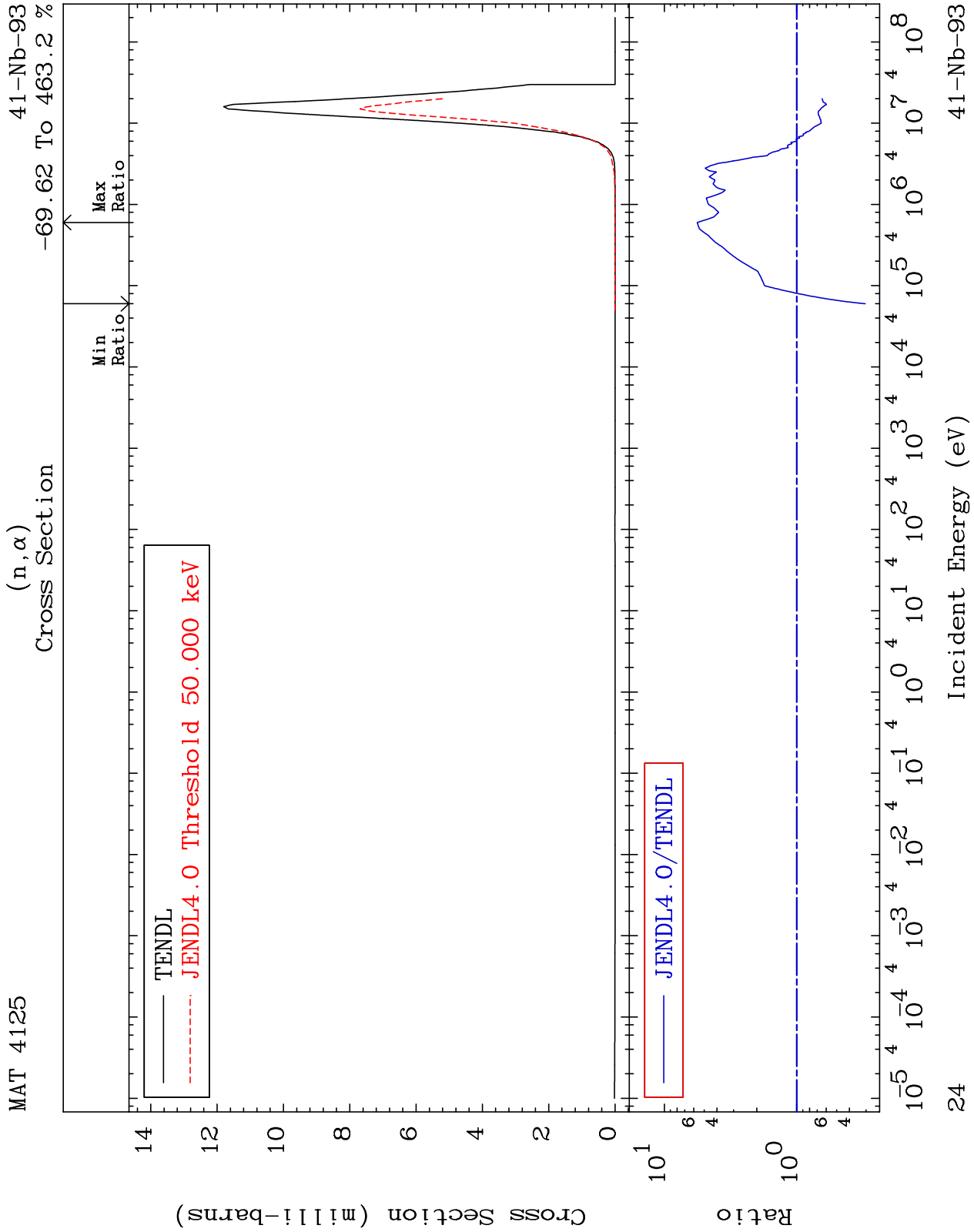








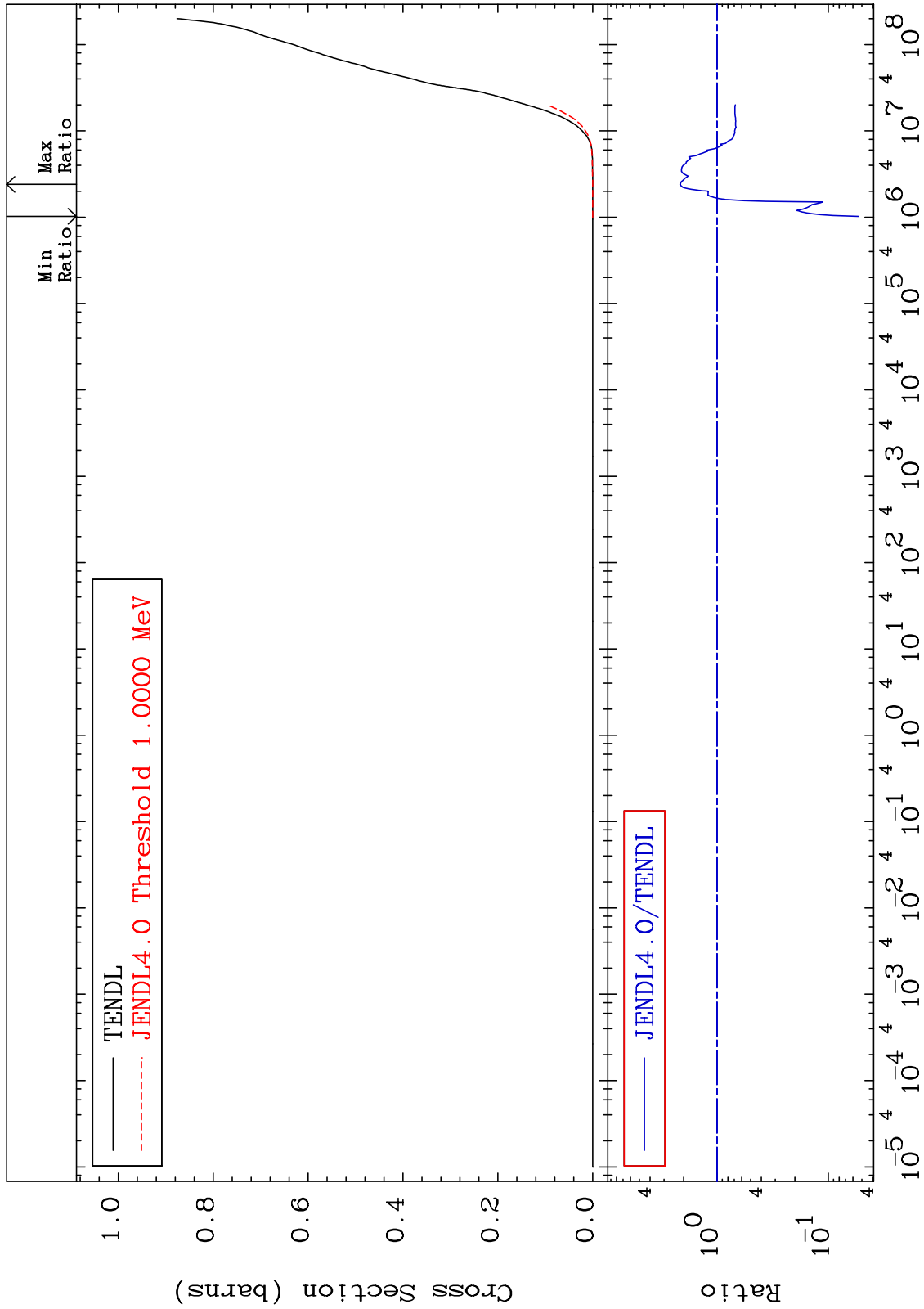




MAT 4125

Hydrogen Production
Cross Section

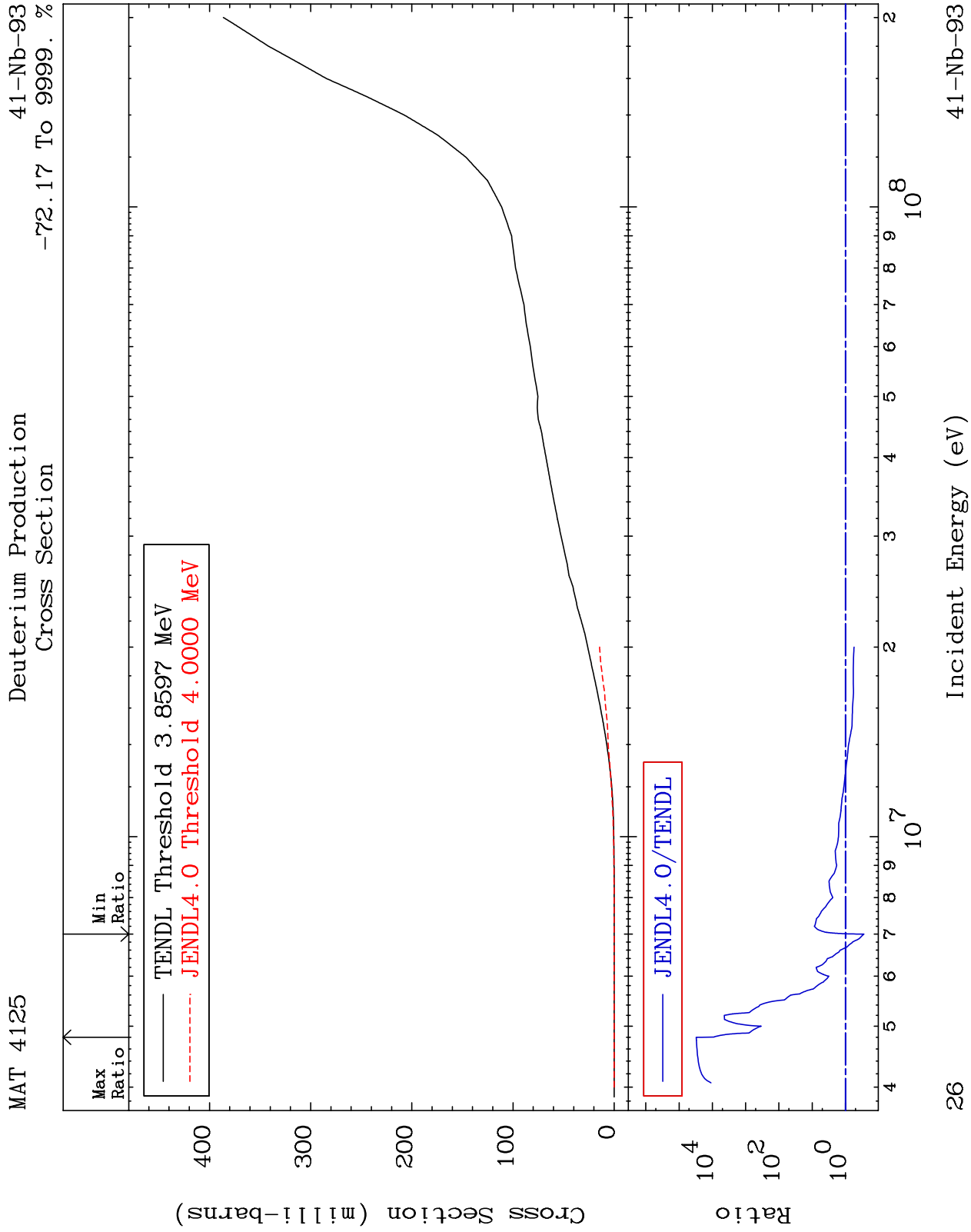
41-Nb-93
-94.63 To 115.3 %



25

Incident Energy (eV)

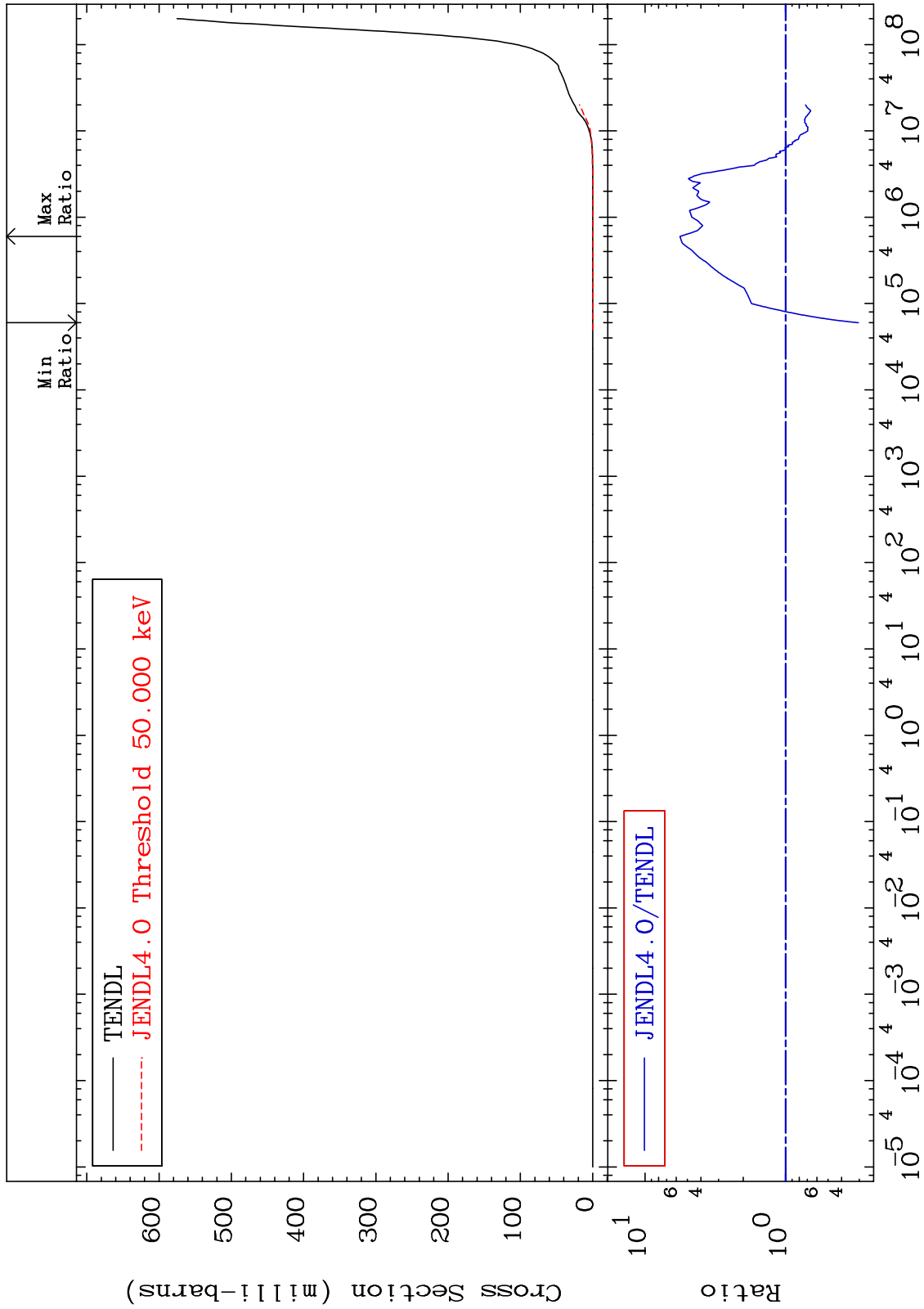
41-Nb-93



MAT 4125

He-4 Production
Cross Section

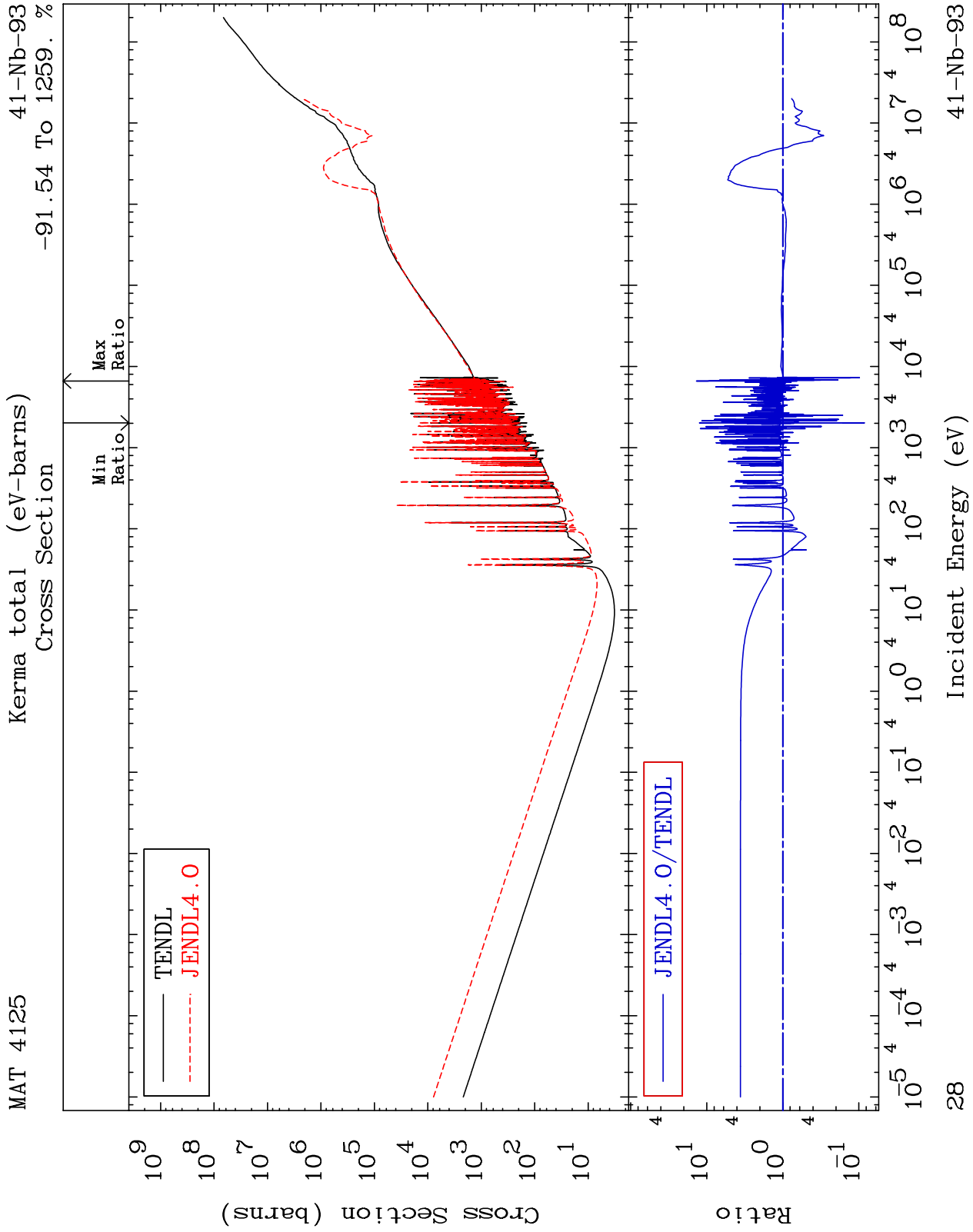
41-Nb-93
-69.62 To 463.2 %

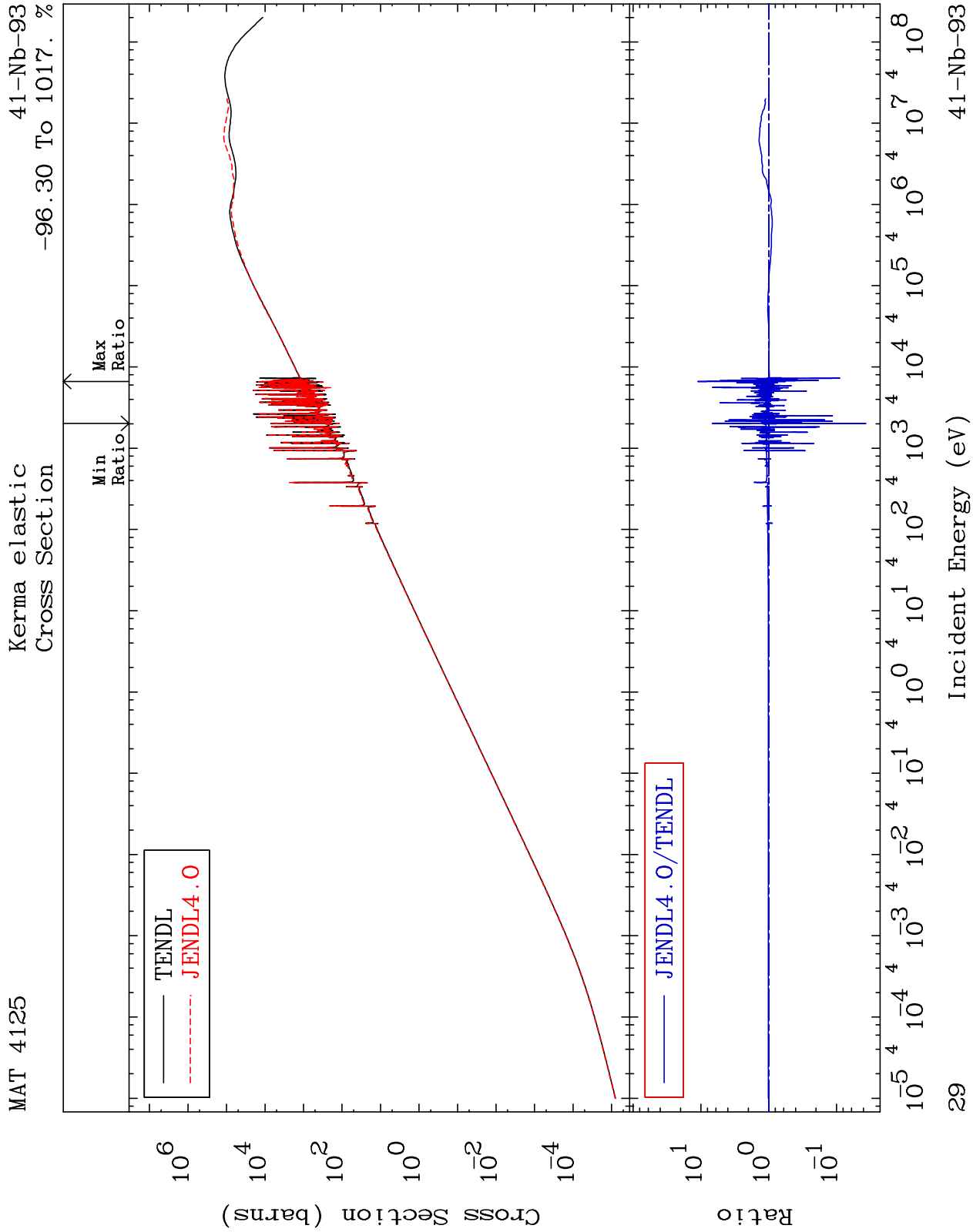


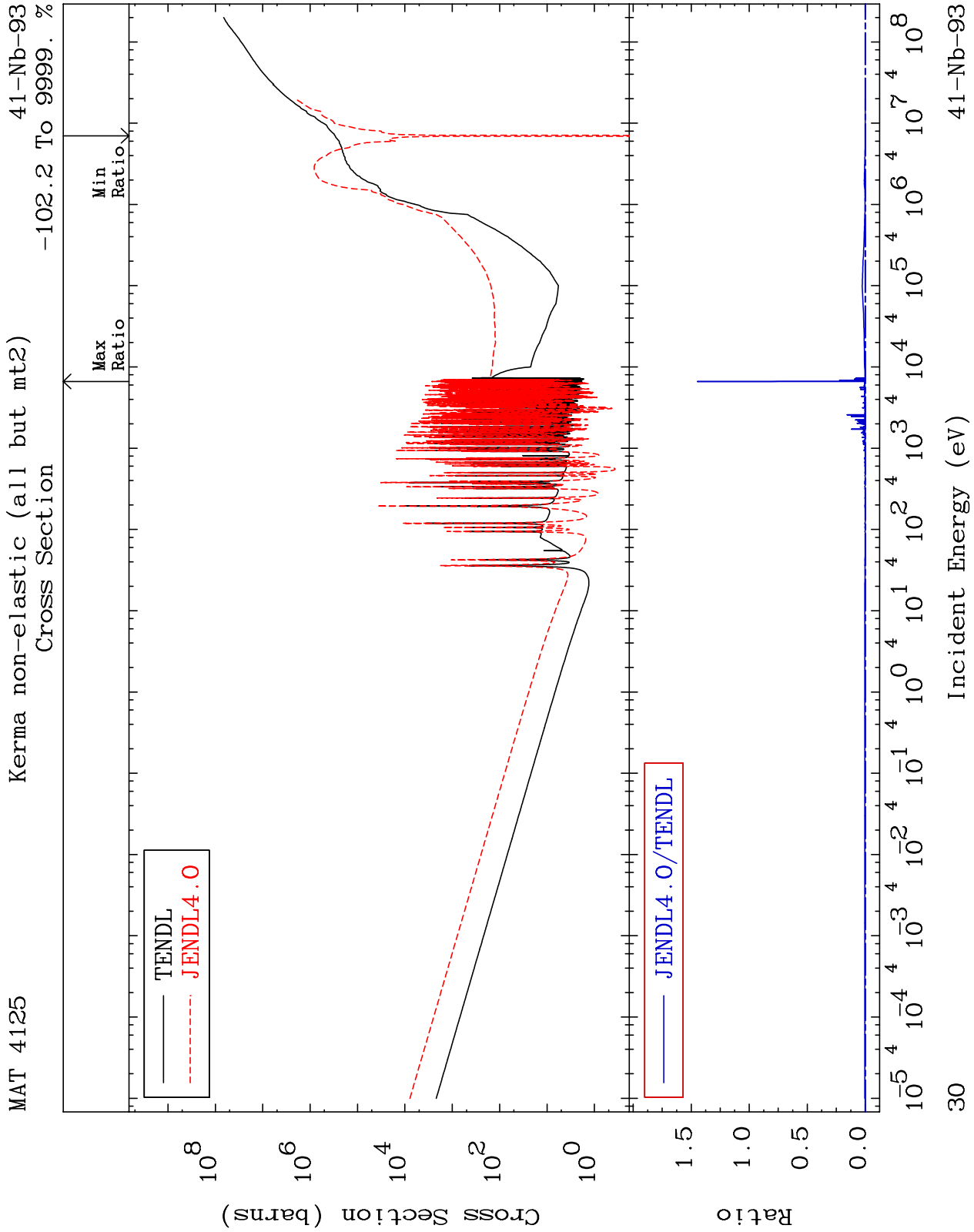
Incident Energy (eV)

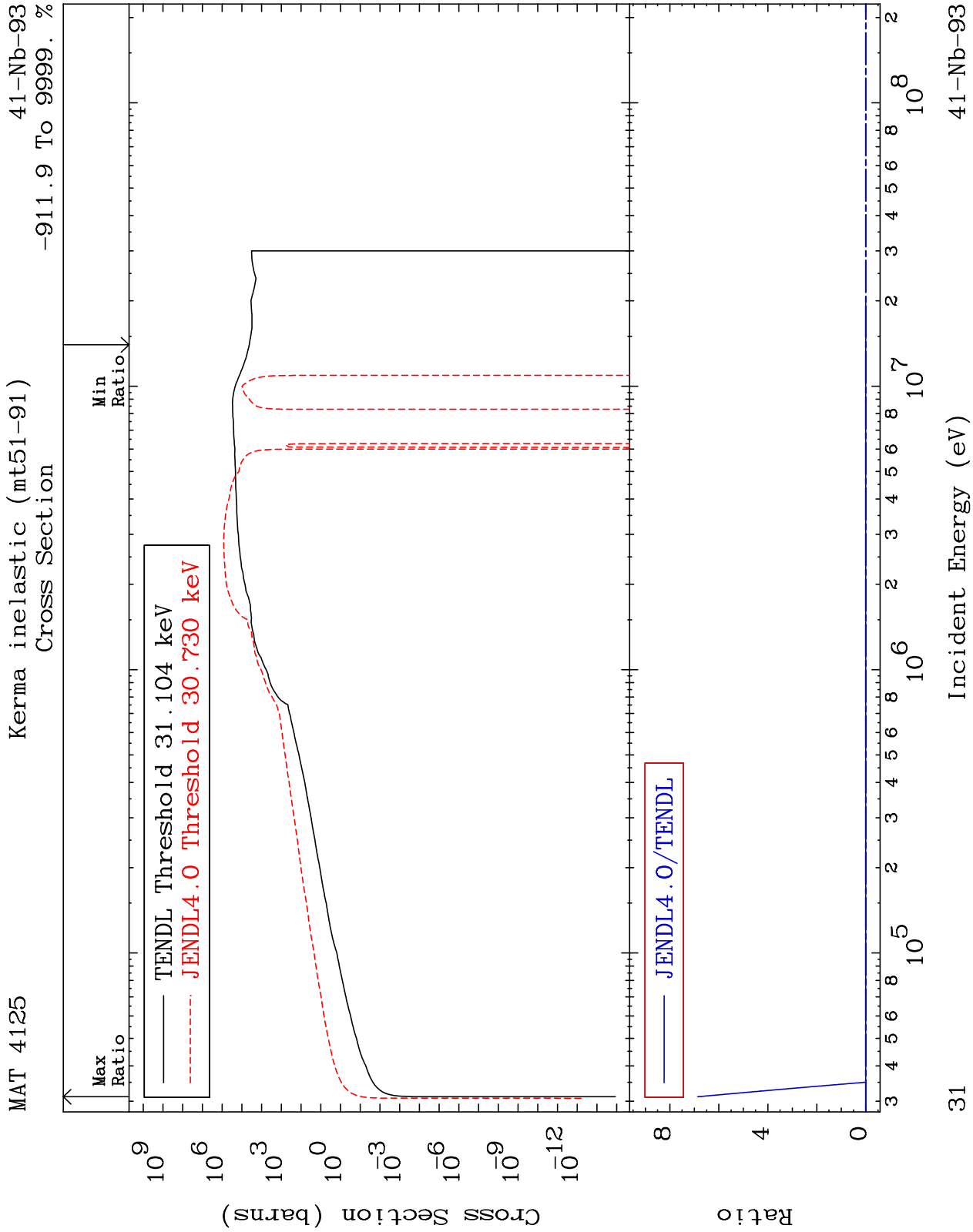
41-Nb-93

27





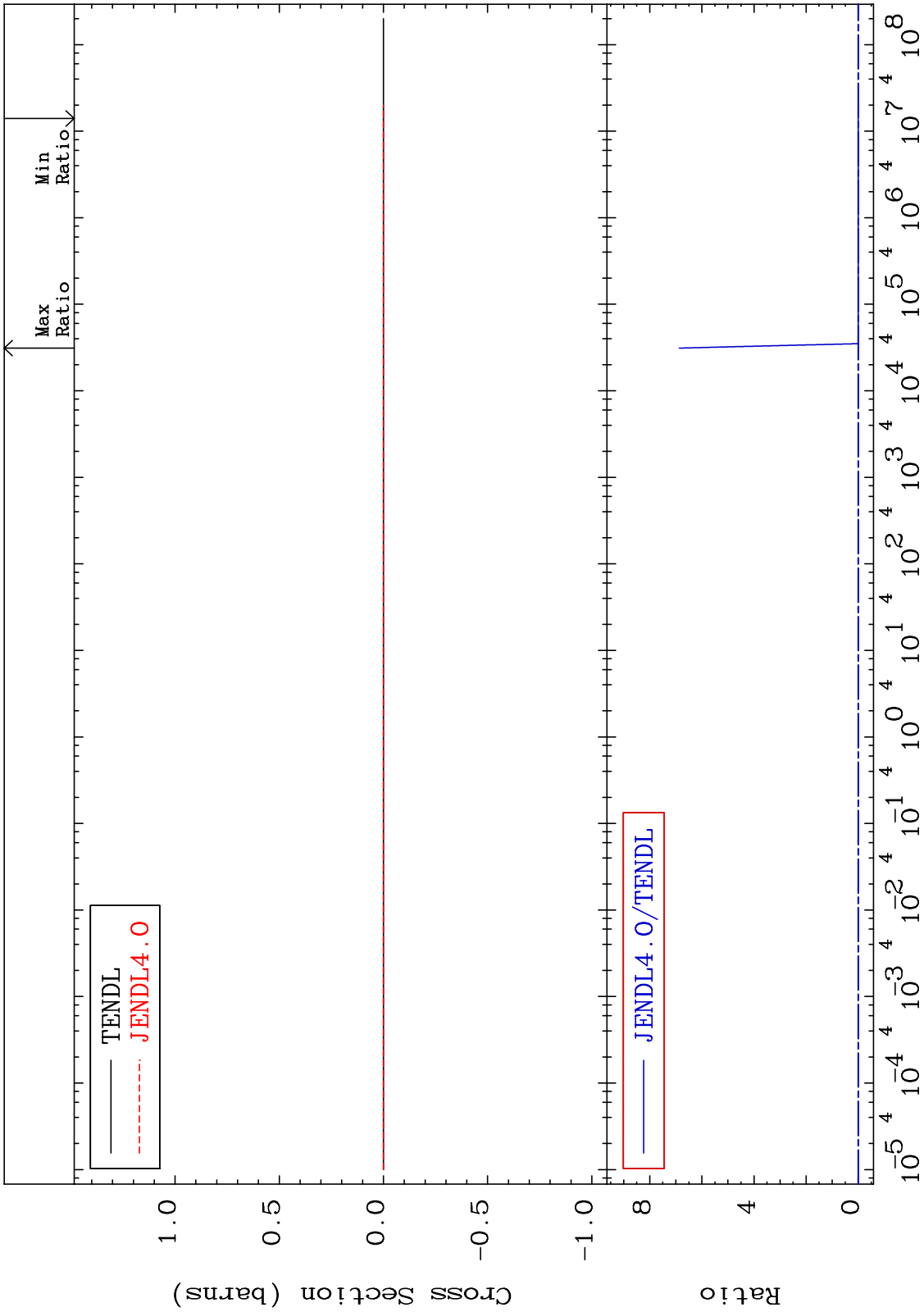




MAT 4125

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

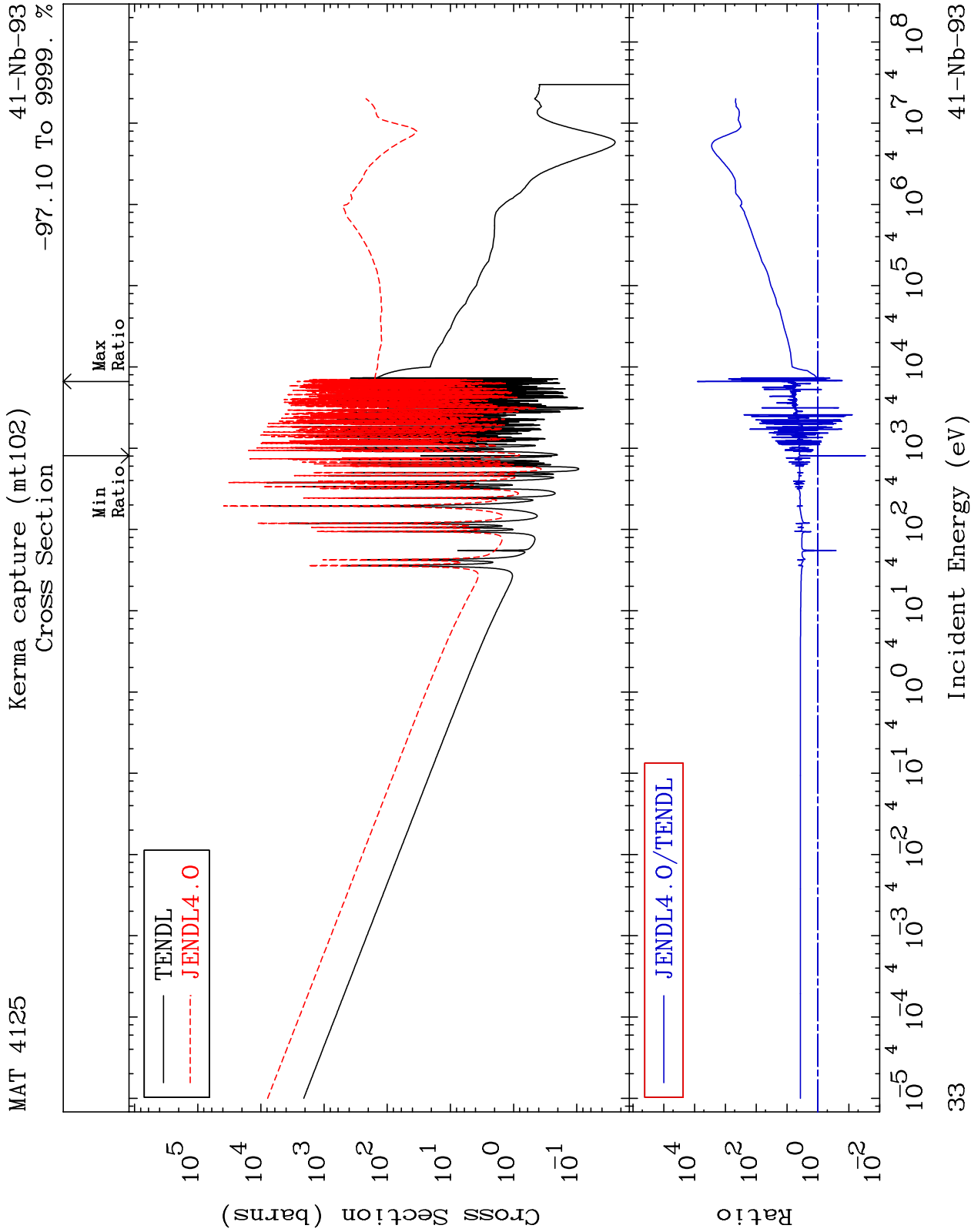
41-Nb-93
-911.9 To 9999. %



32

Incident Energy (eV)

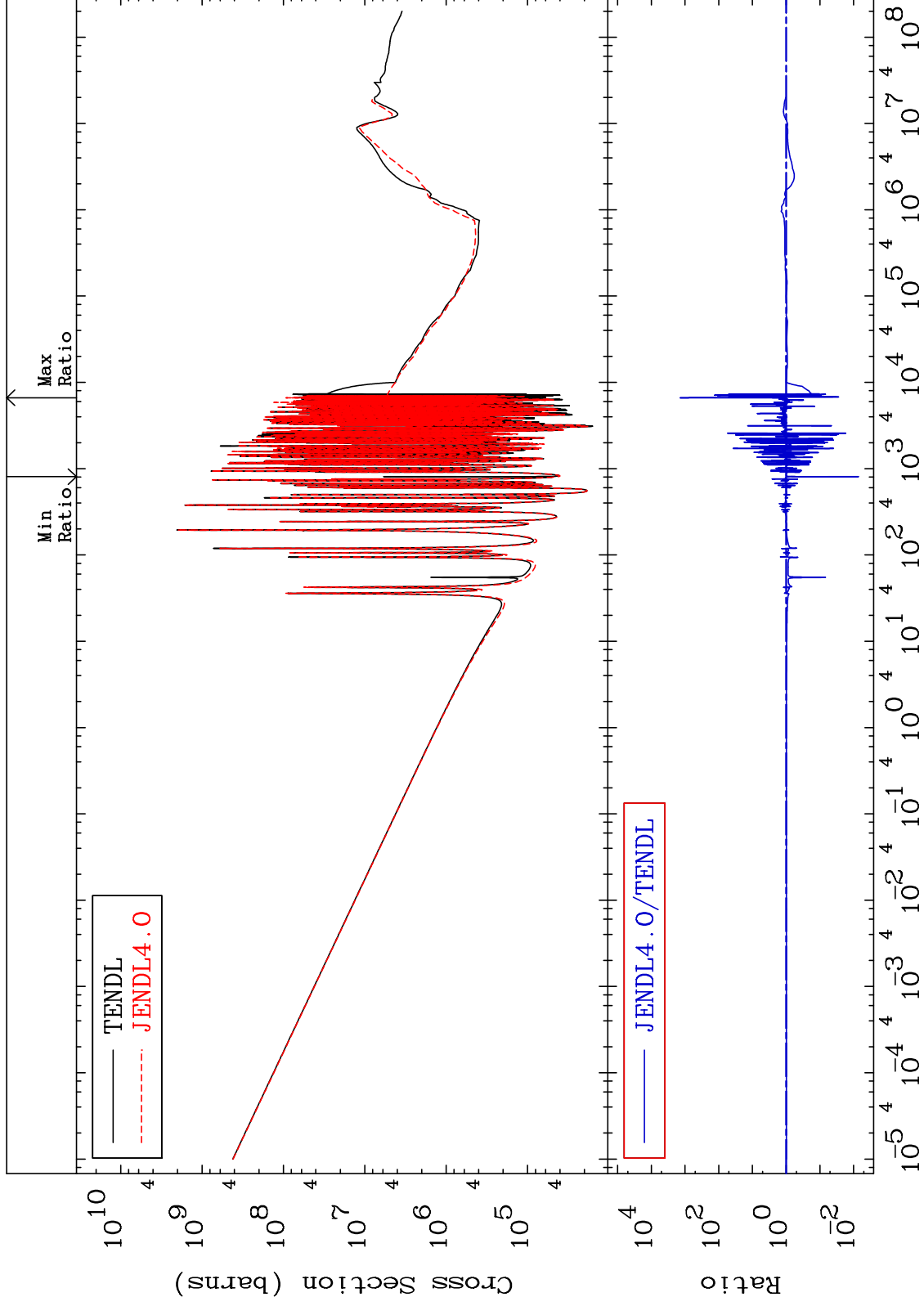
41-Nb-93

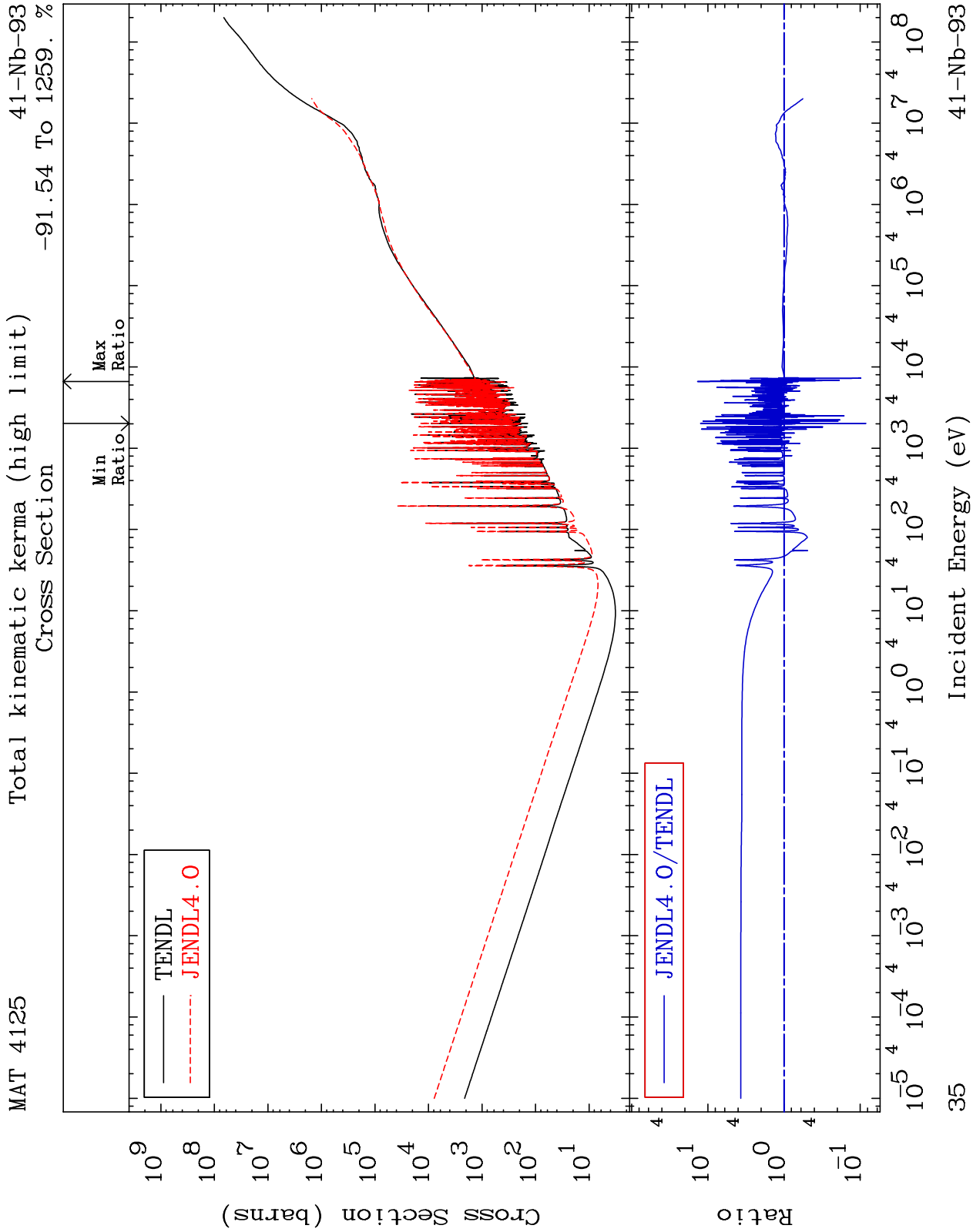


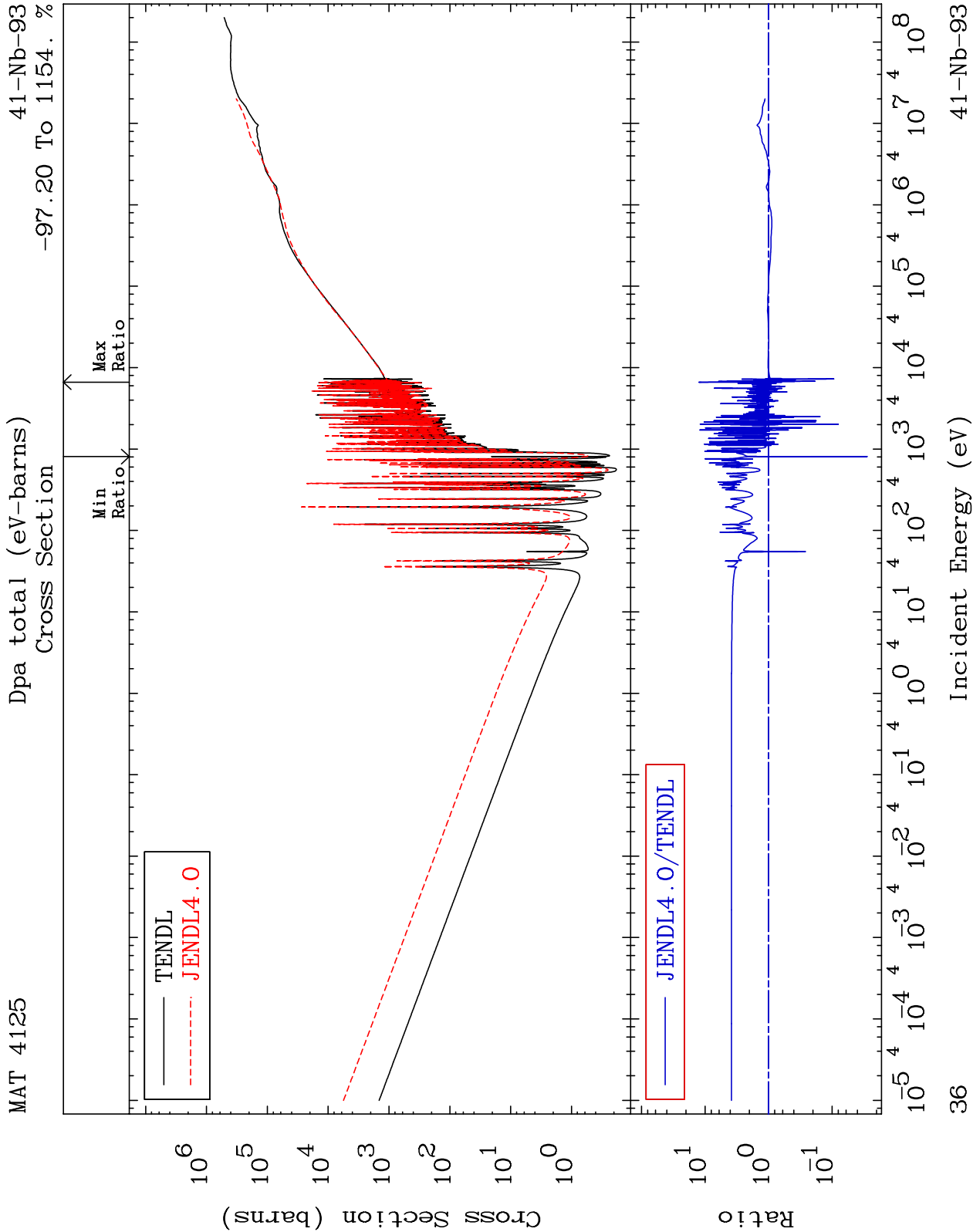
MAT 4125

Total photon (eV-barns)
Cross Section

41-Nb-93
-99.28 To 9999. %



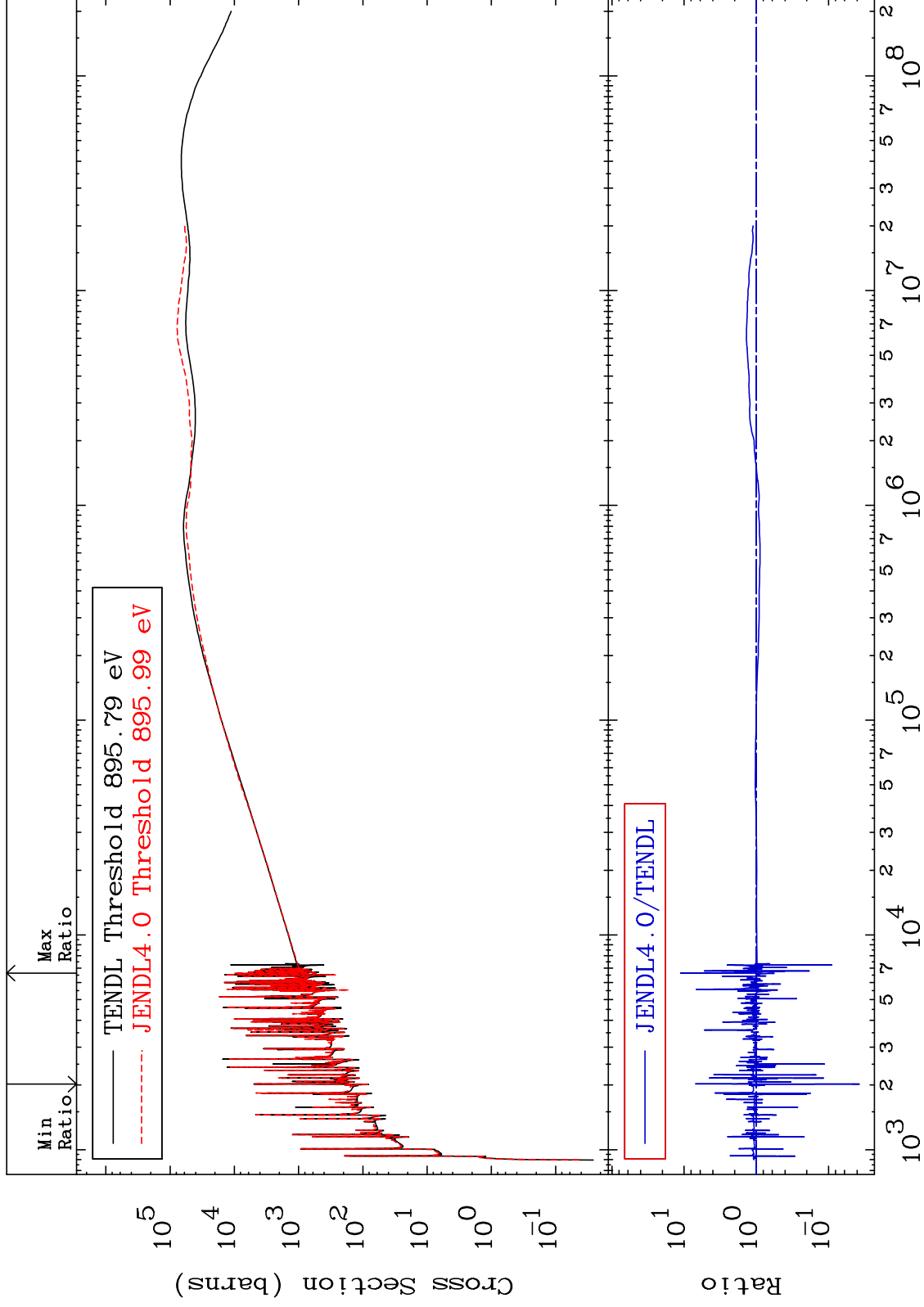




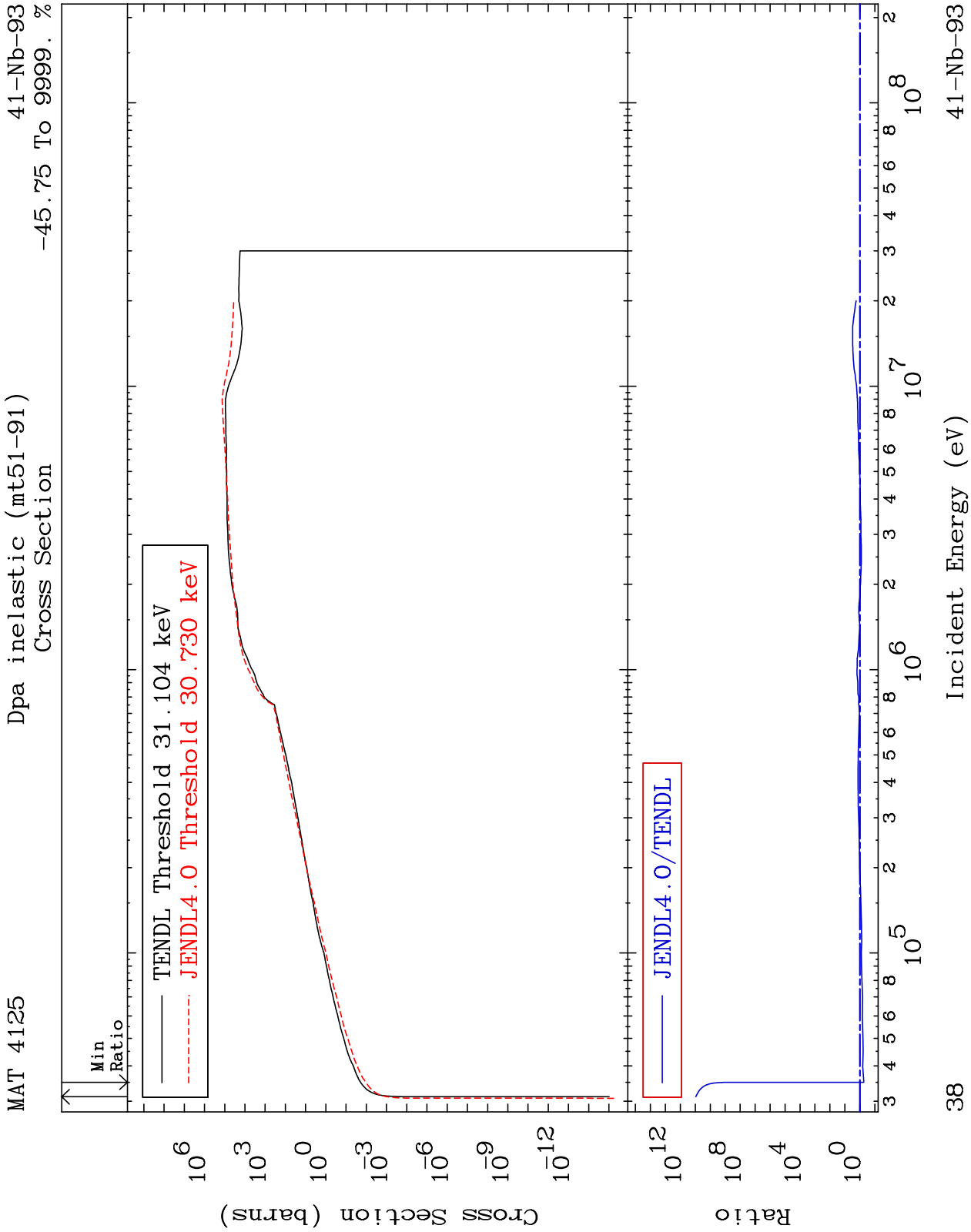
MAT 4125

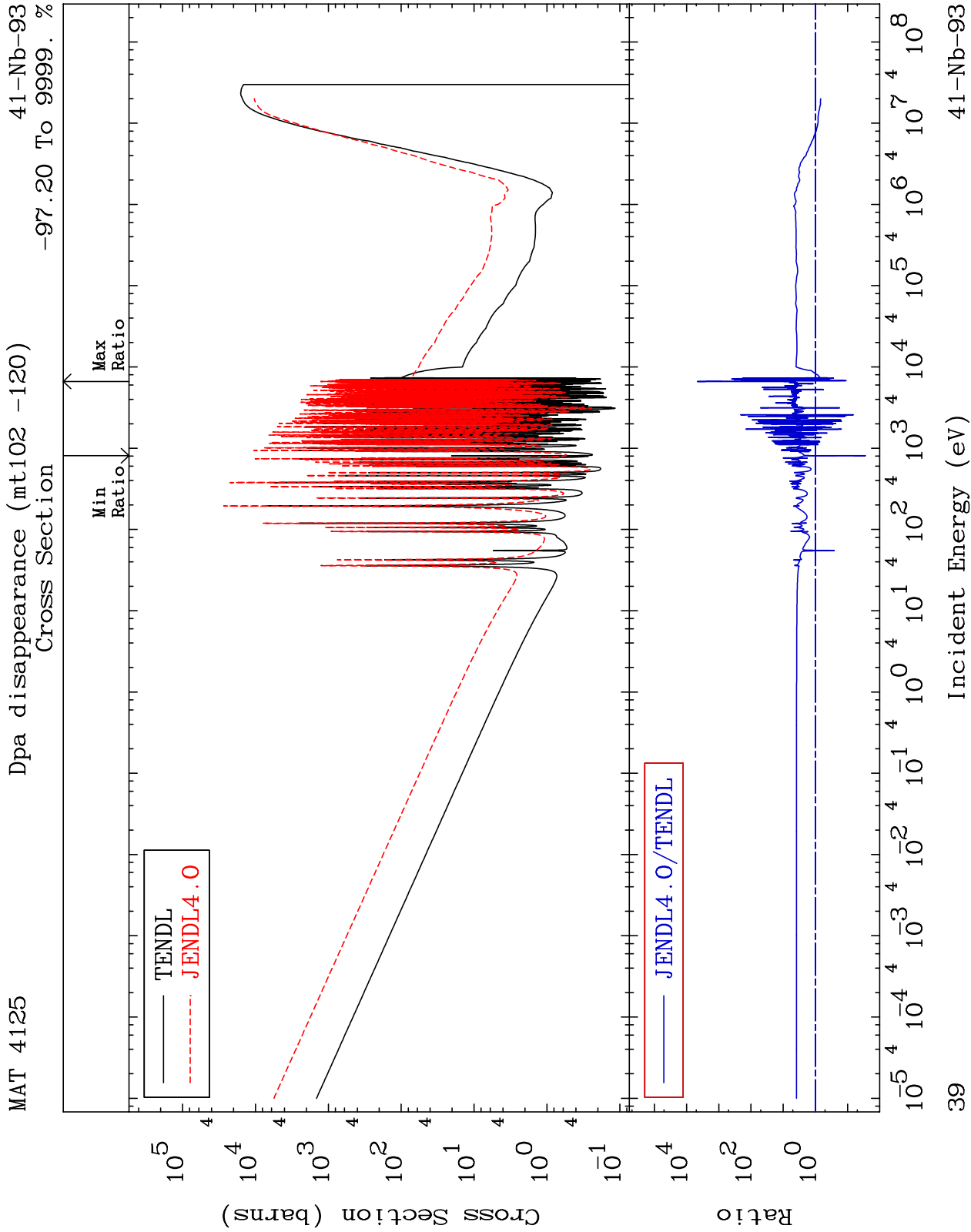
Dpa elastic (mt2)
Cross Section

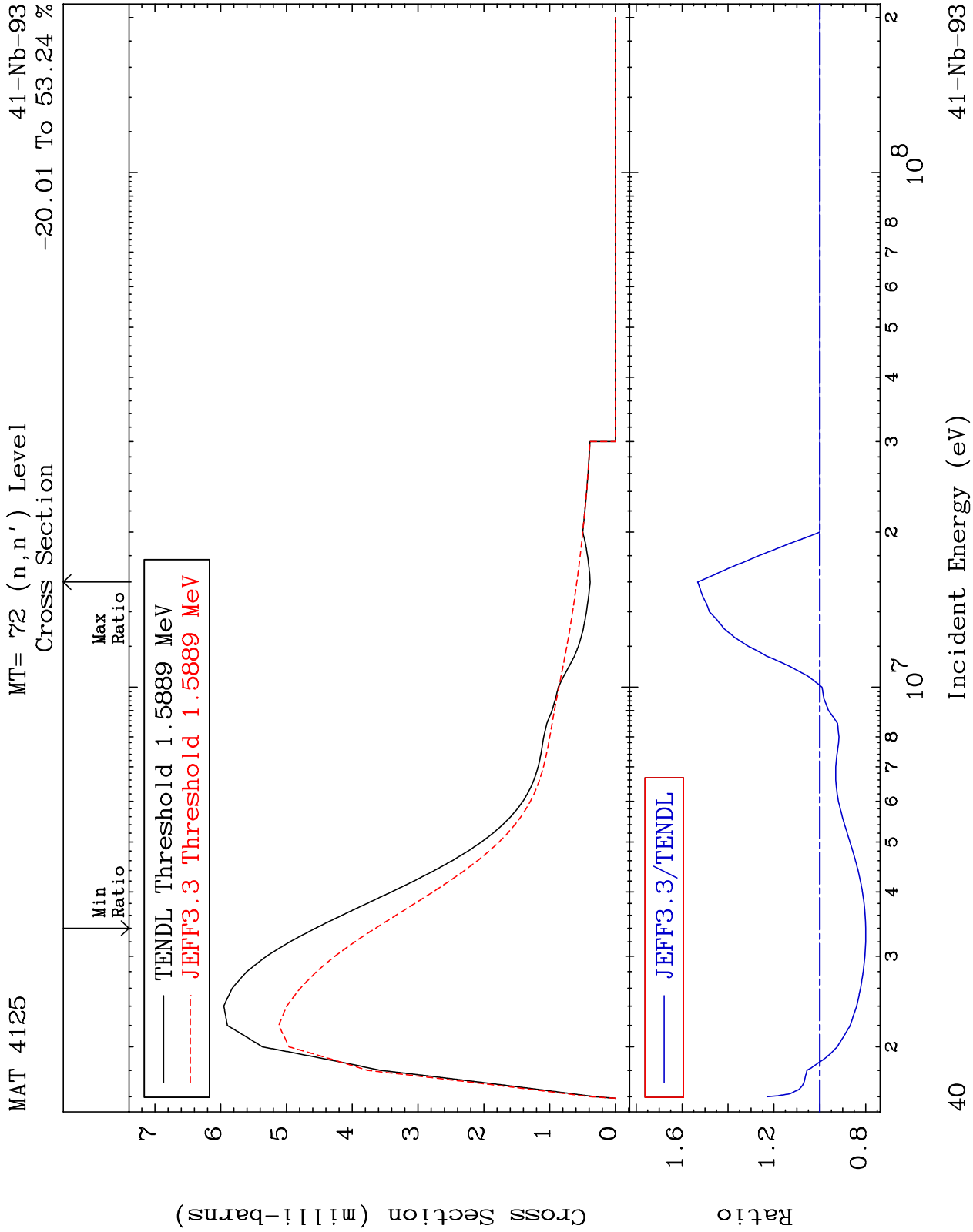
41-Nb-93
-96.24 To 1019. %

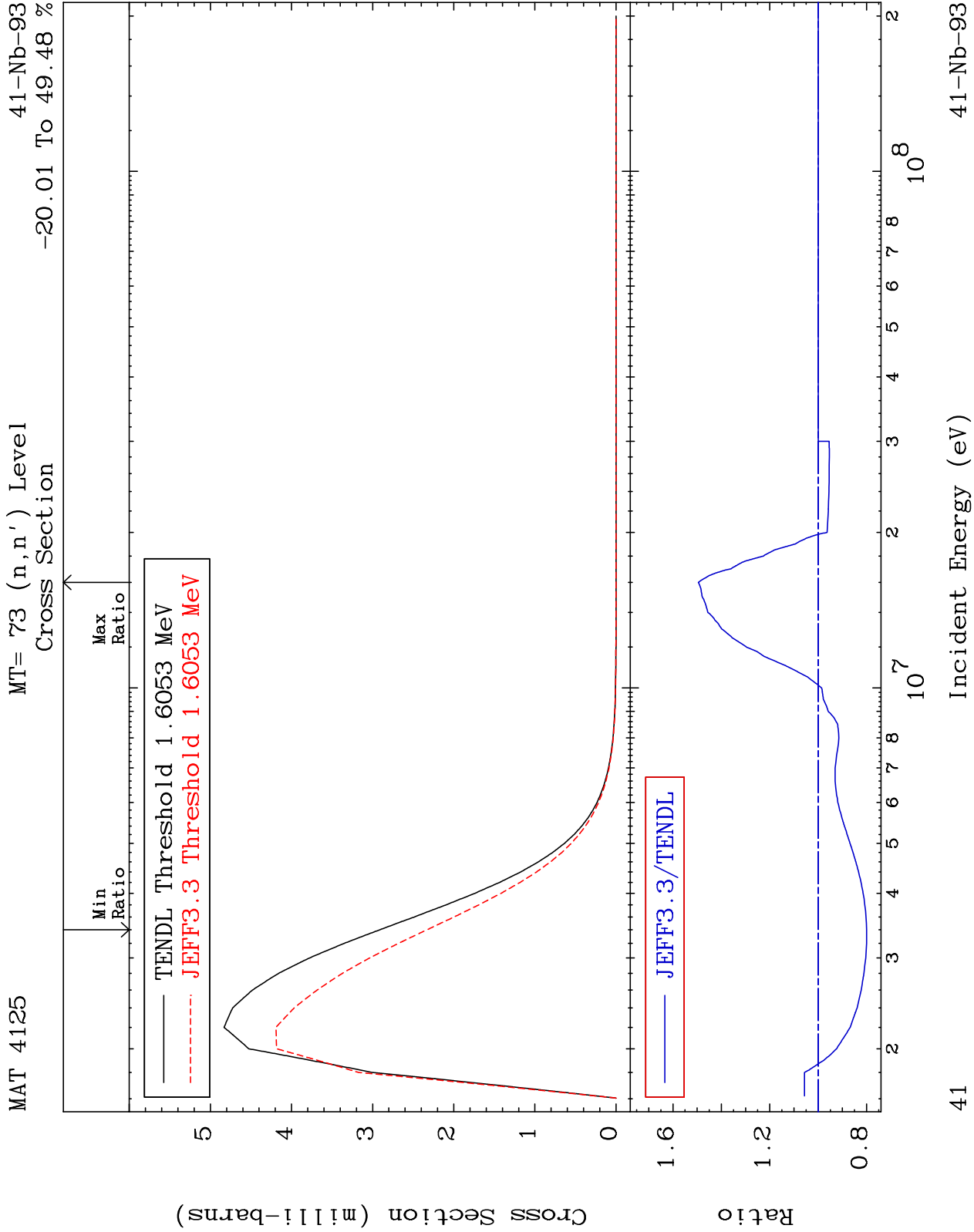


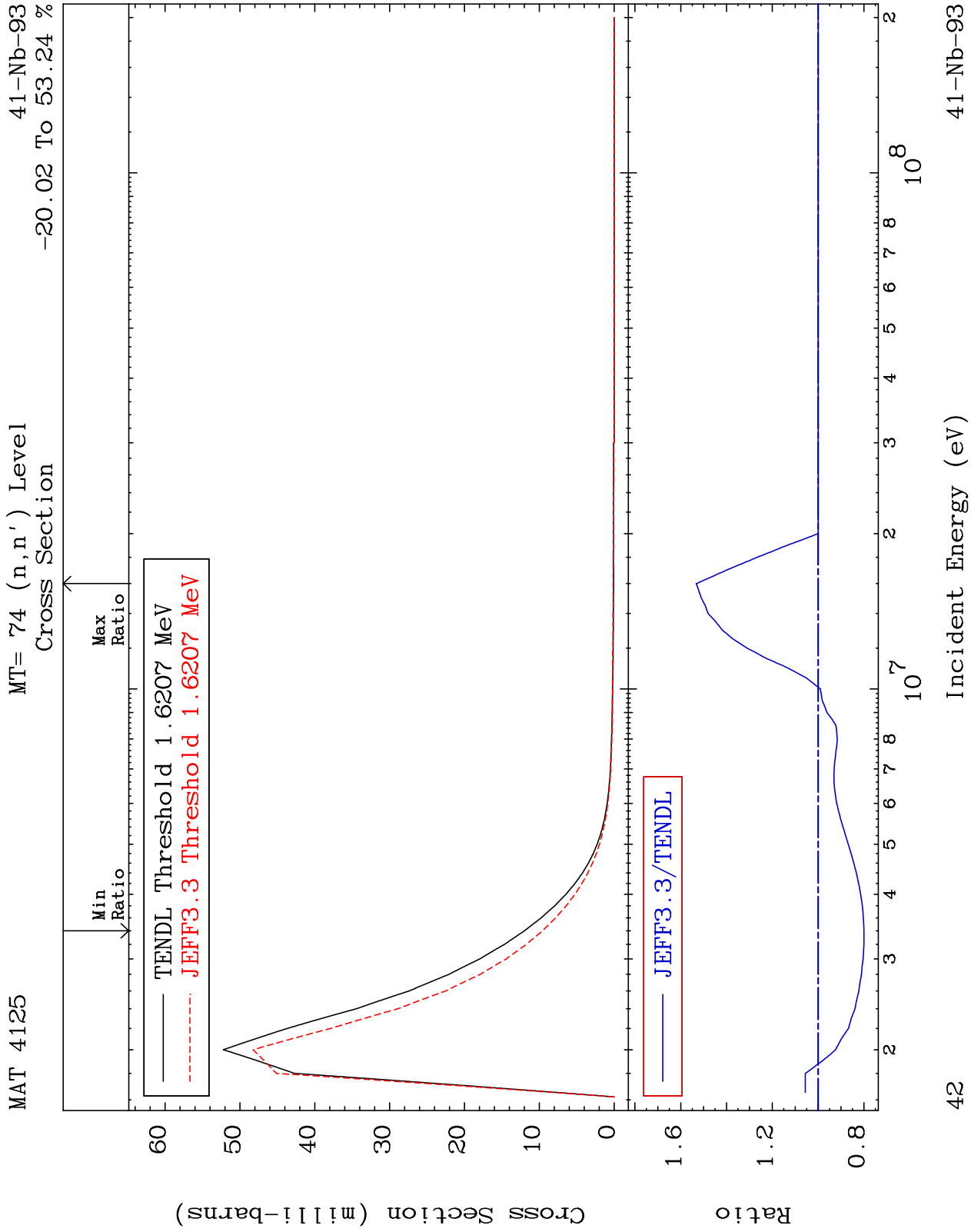
37

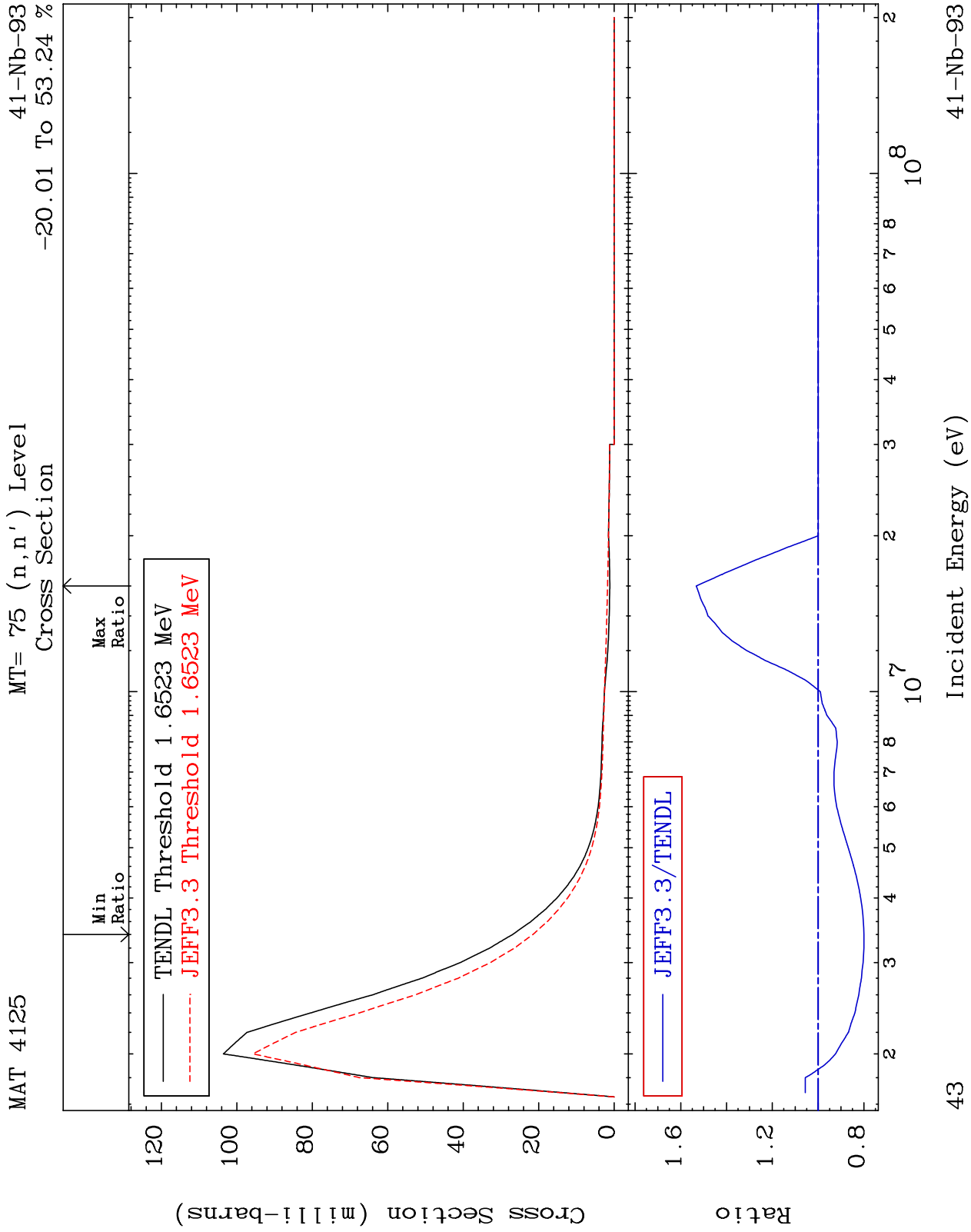


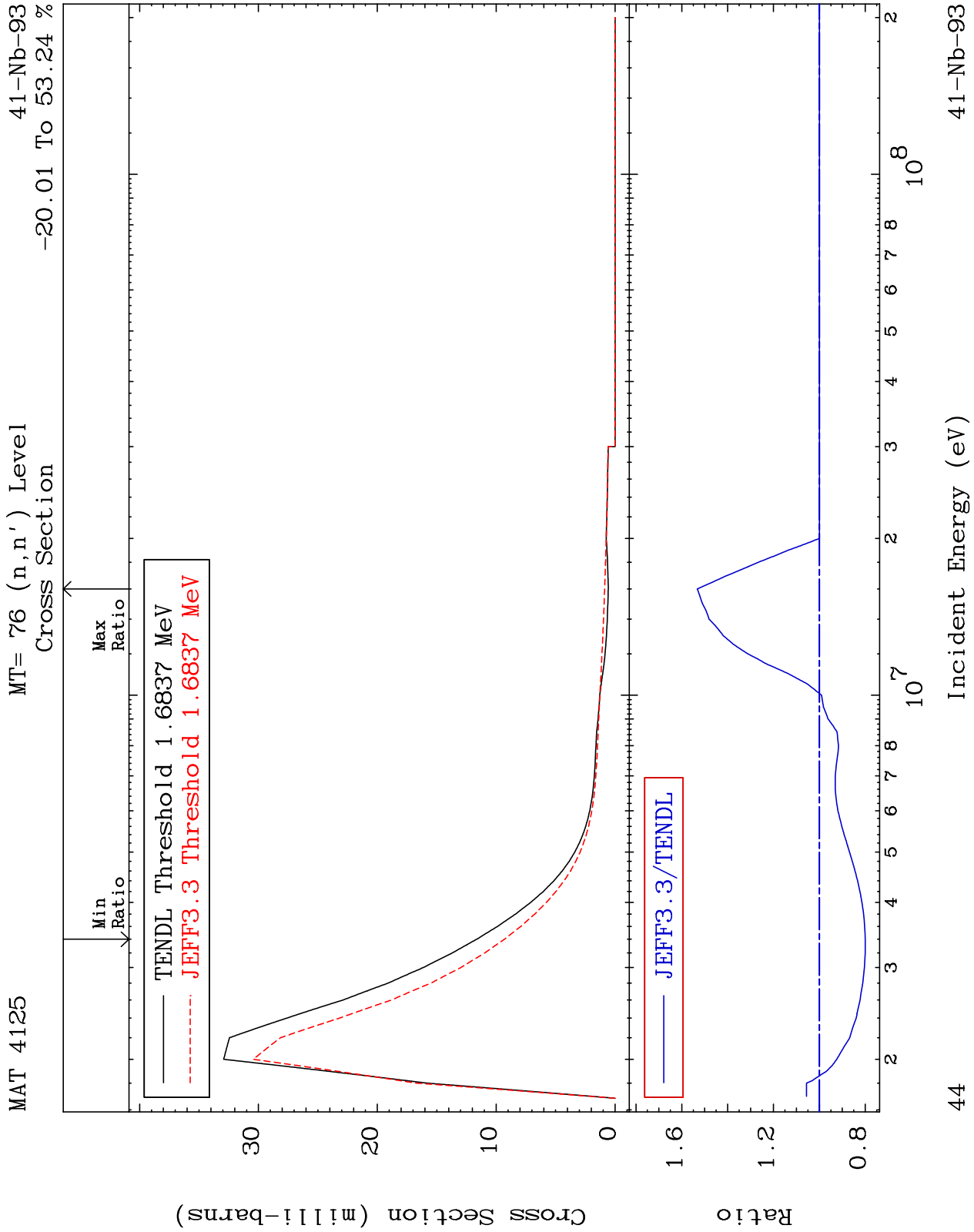


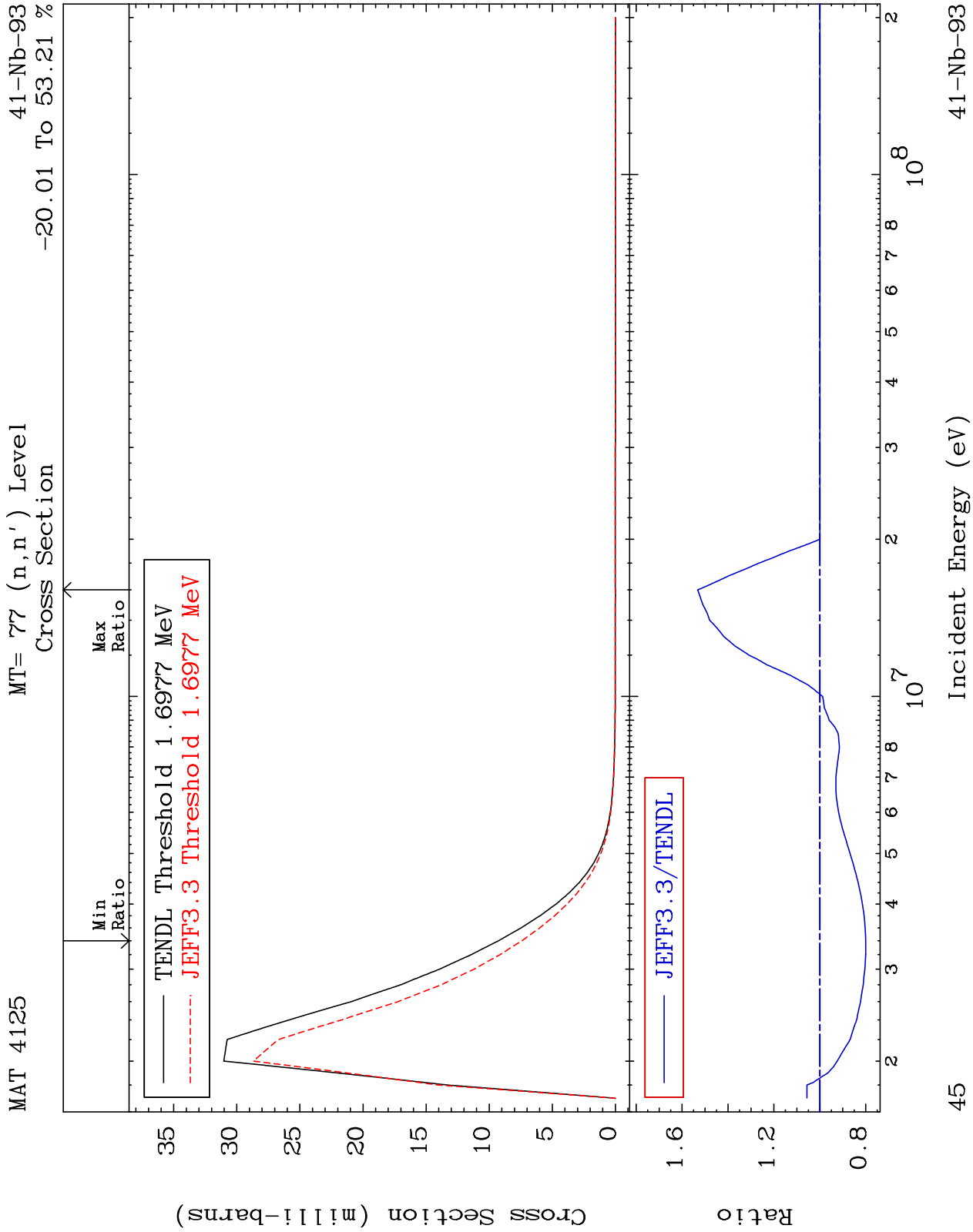


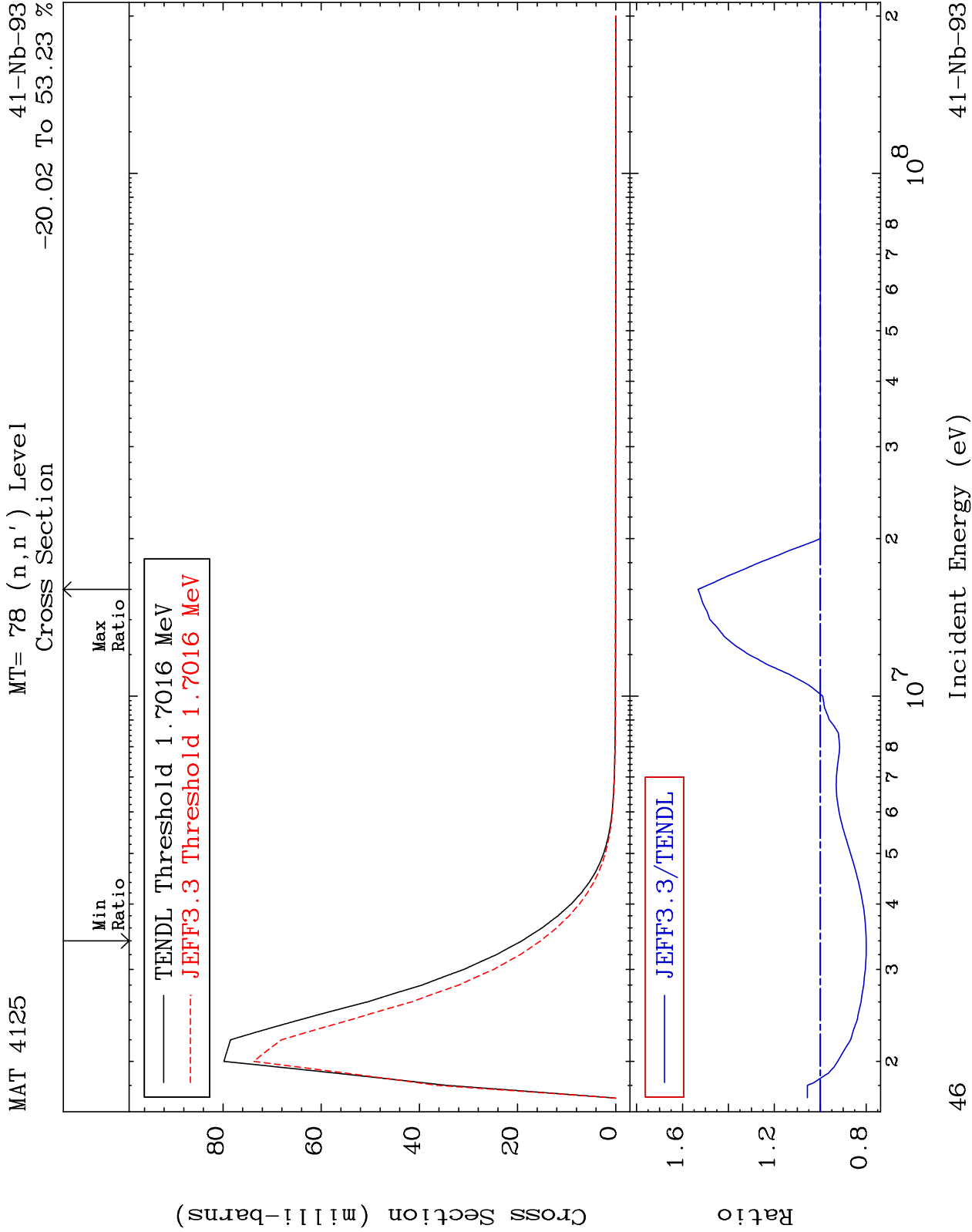


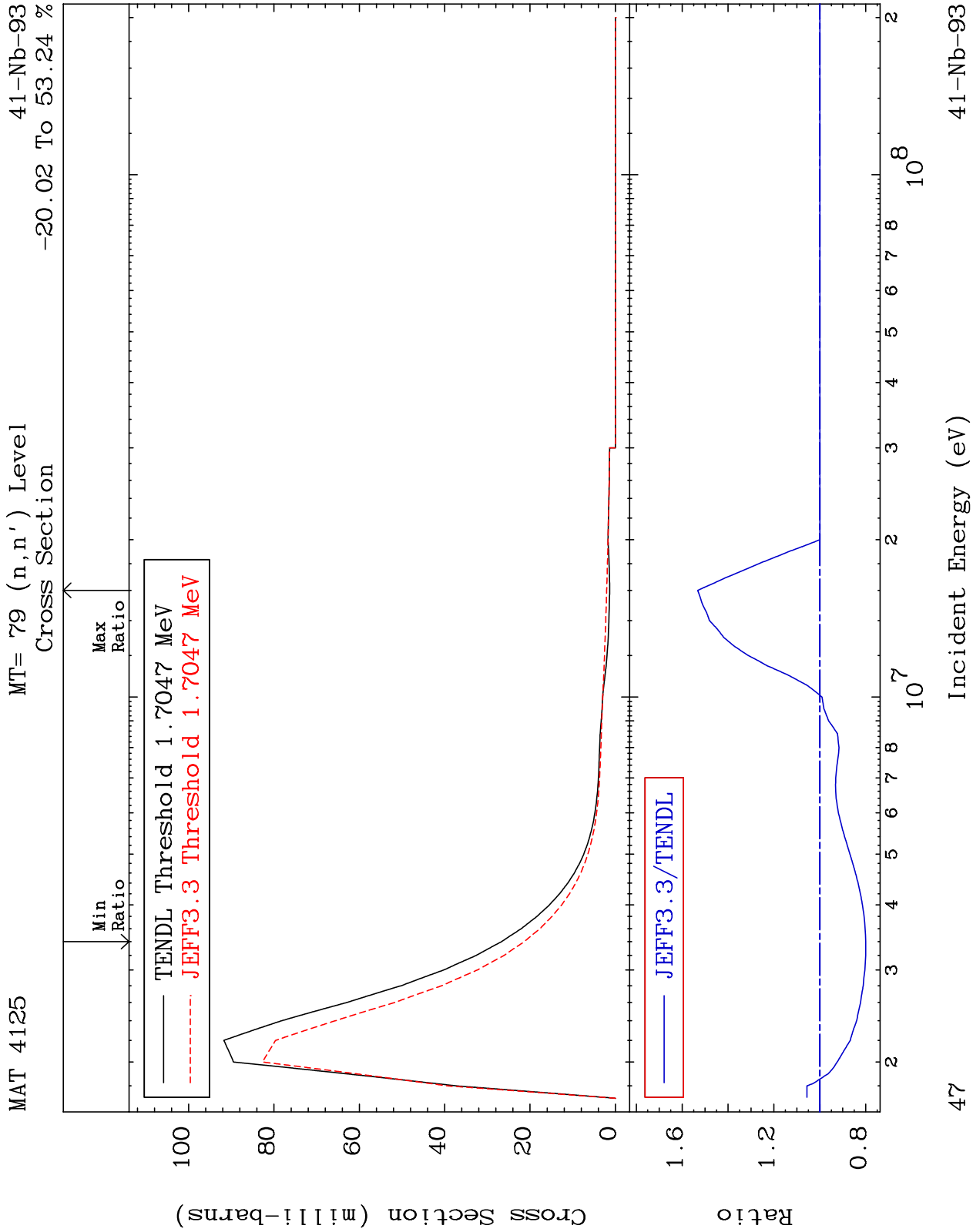








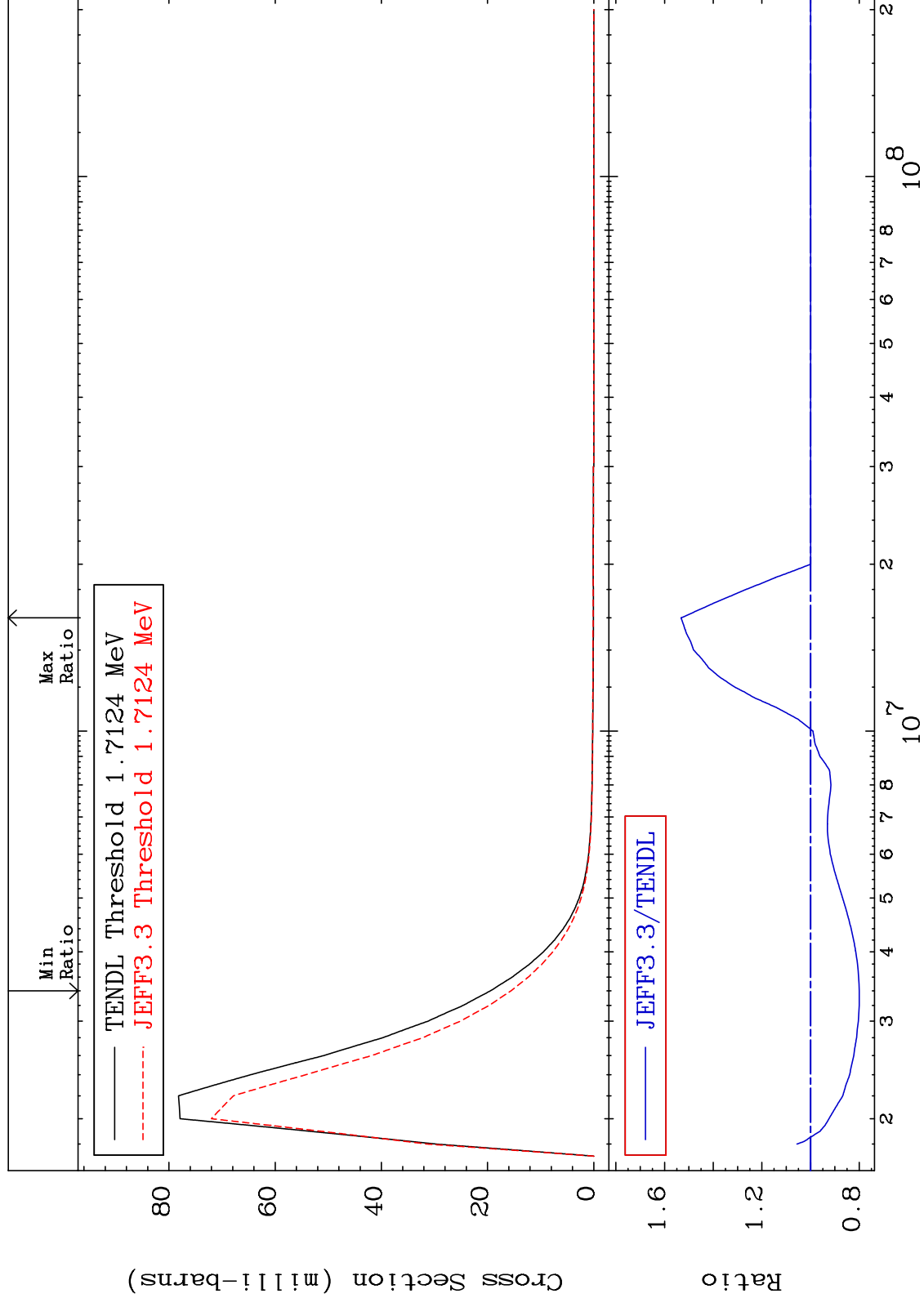


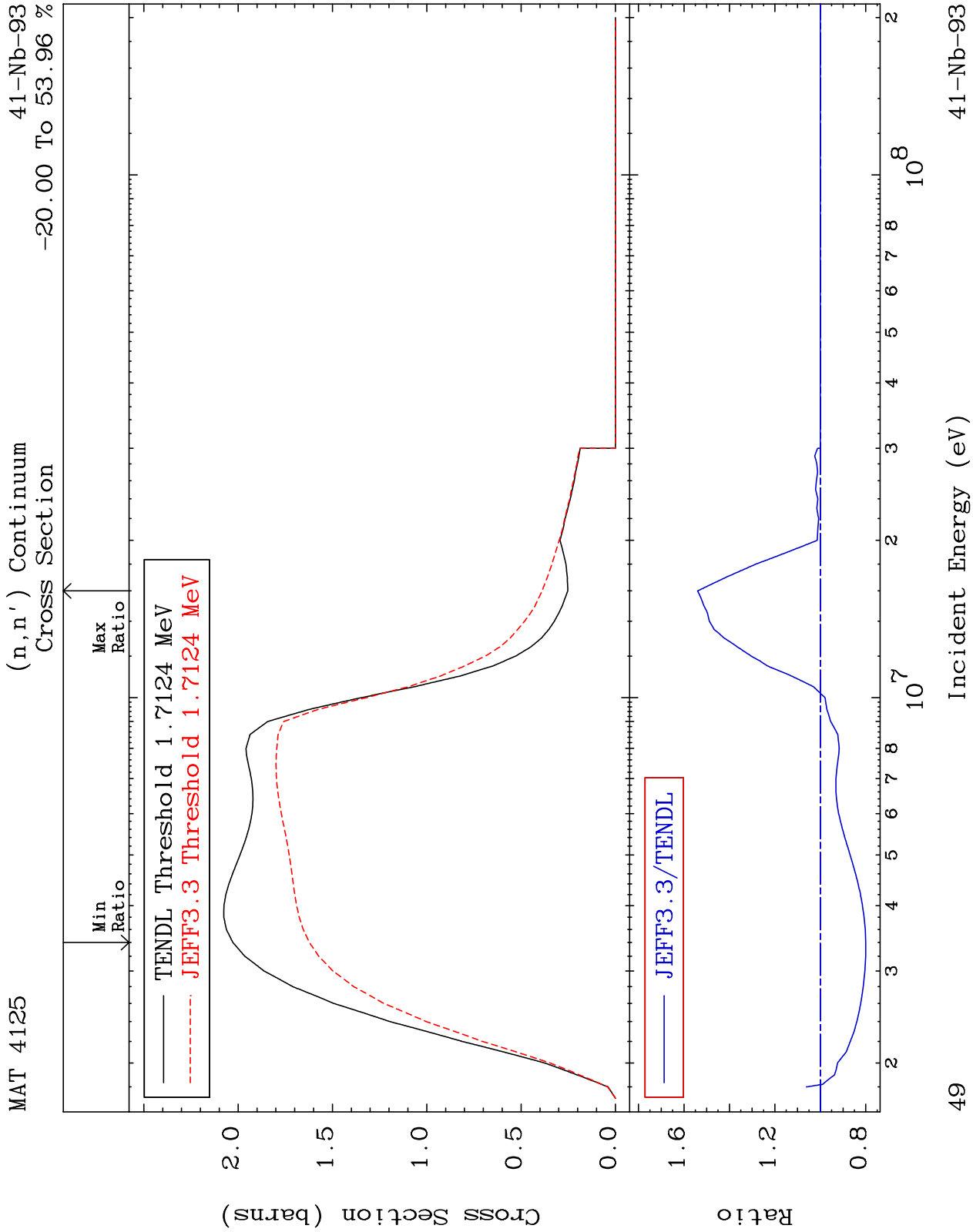


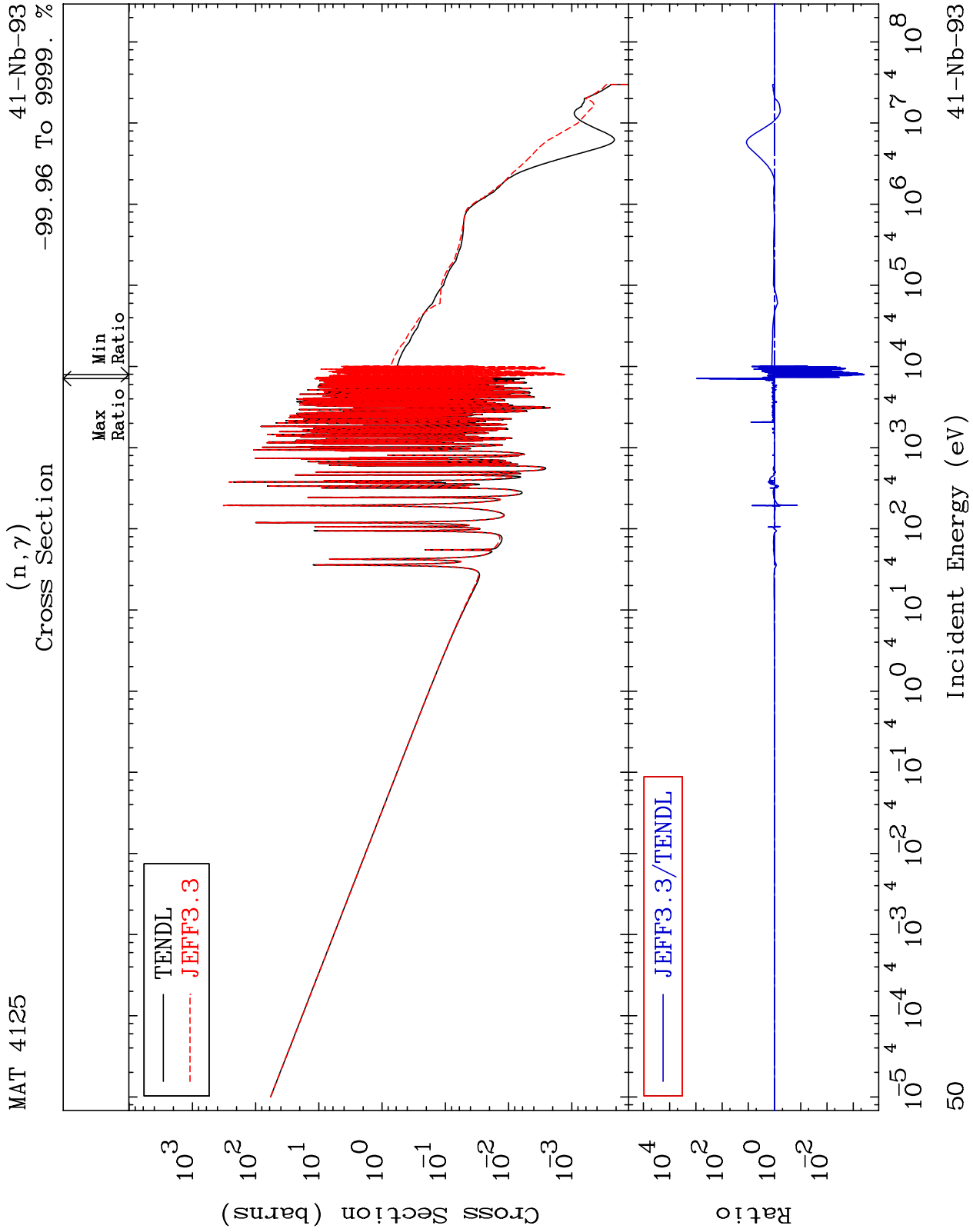
MAT 4125

MT= 80 (n, n') Level
Cross Section

41-Nb-93
-20.02 To 53.24 %





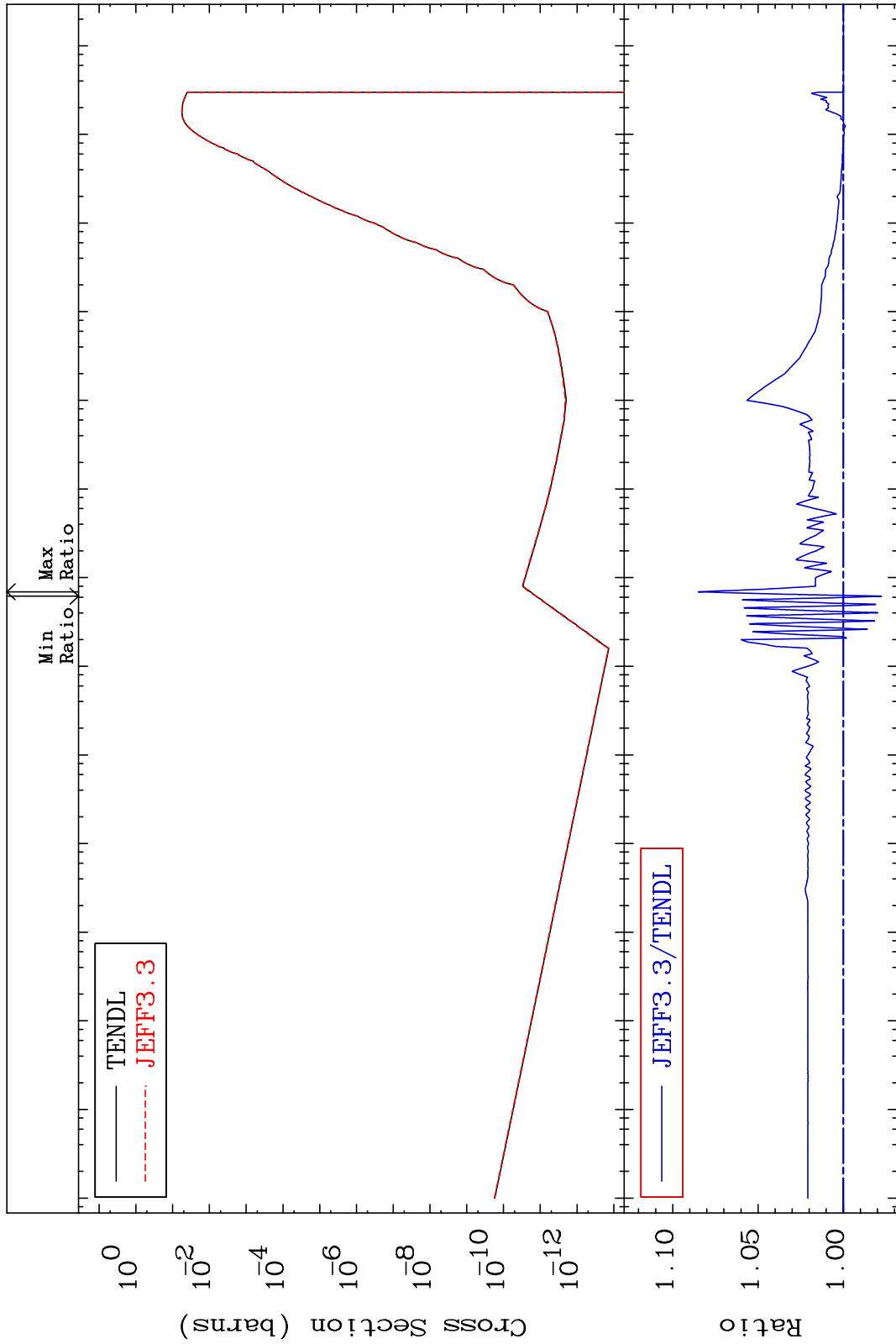


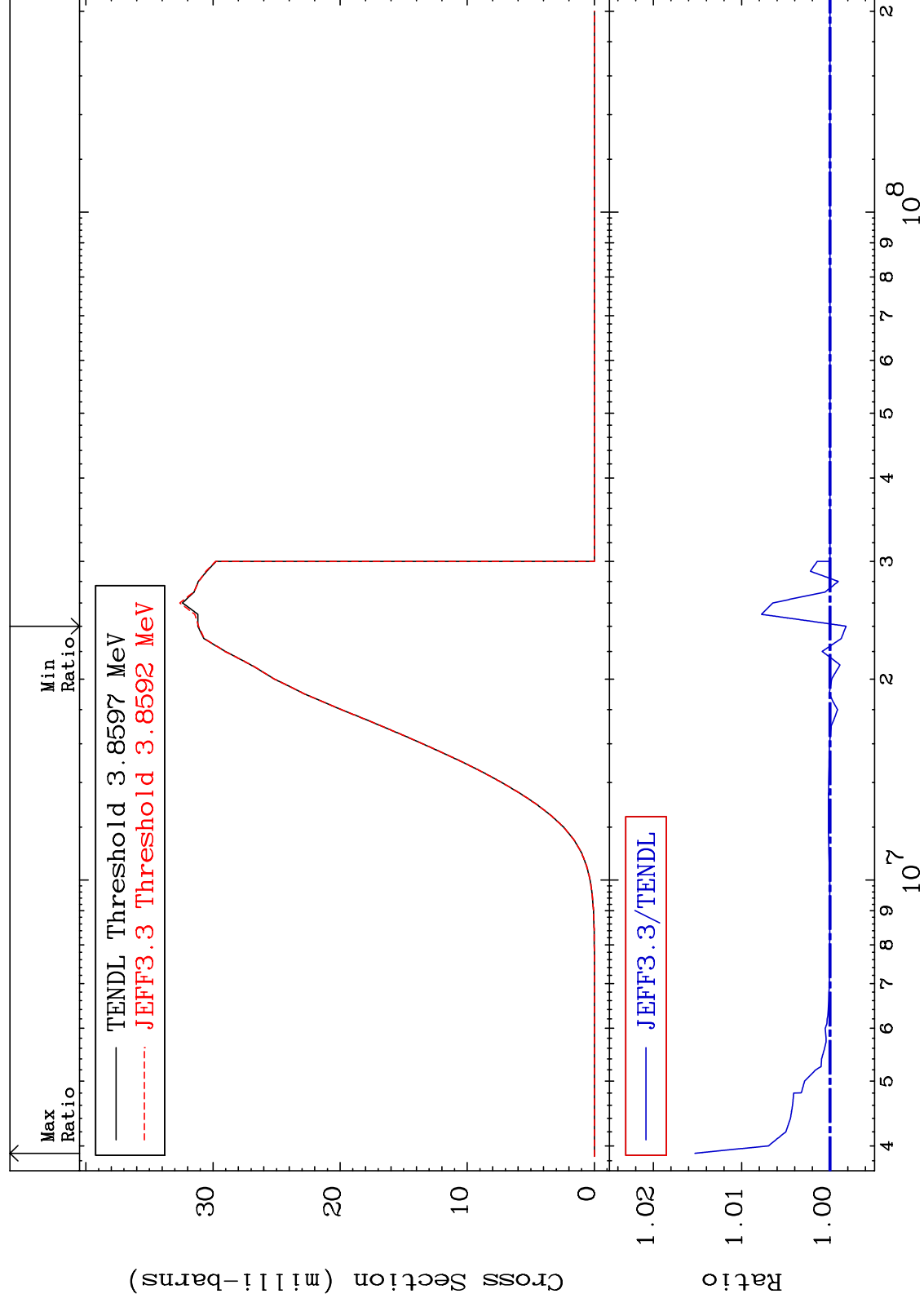
MAT 4125

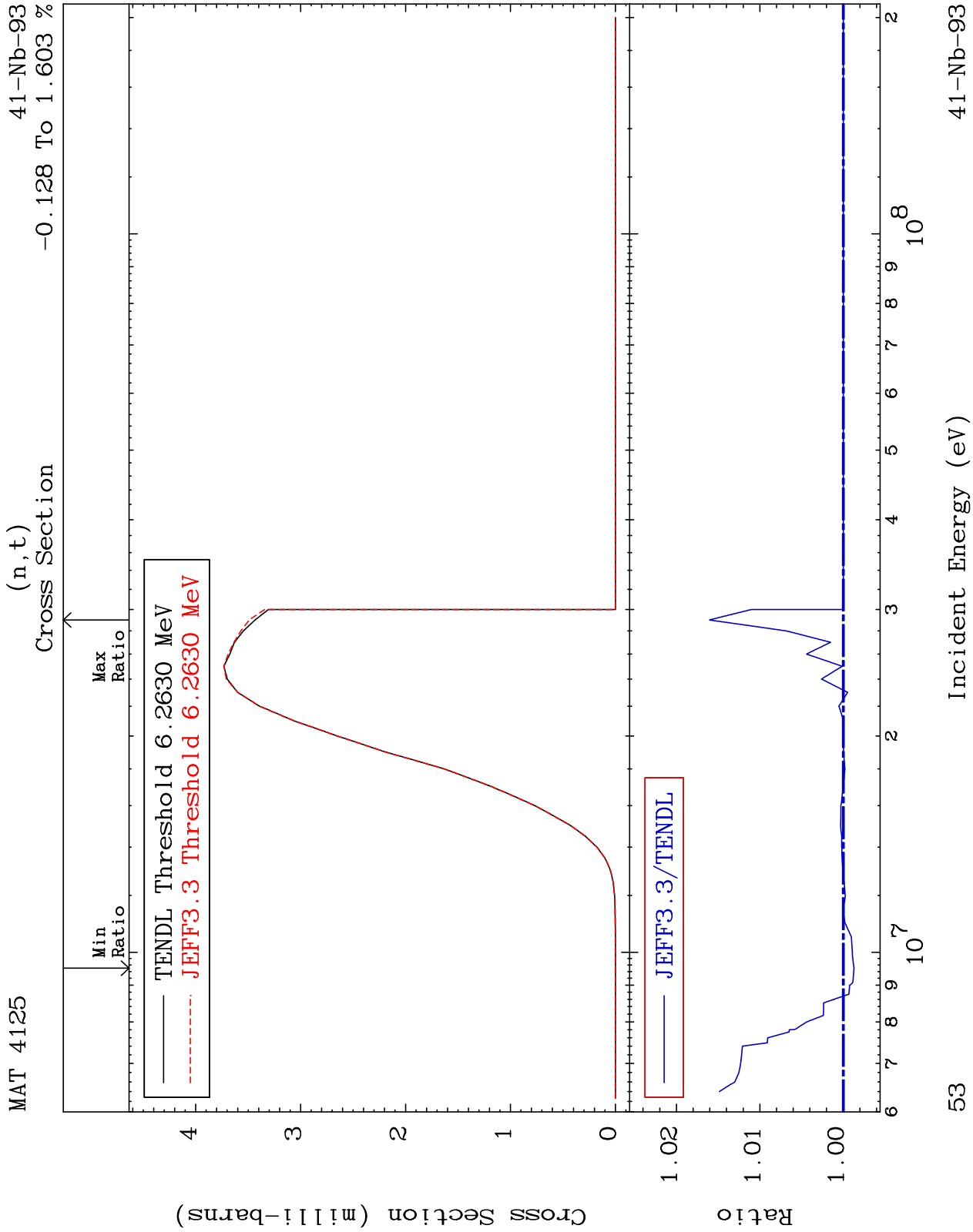
41-Nb-93

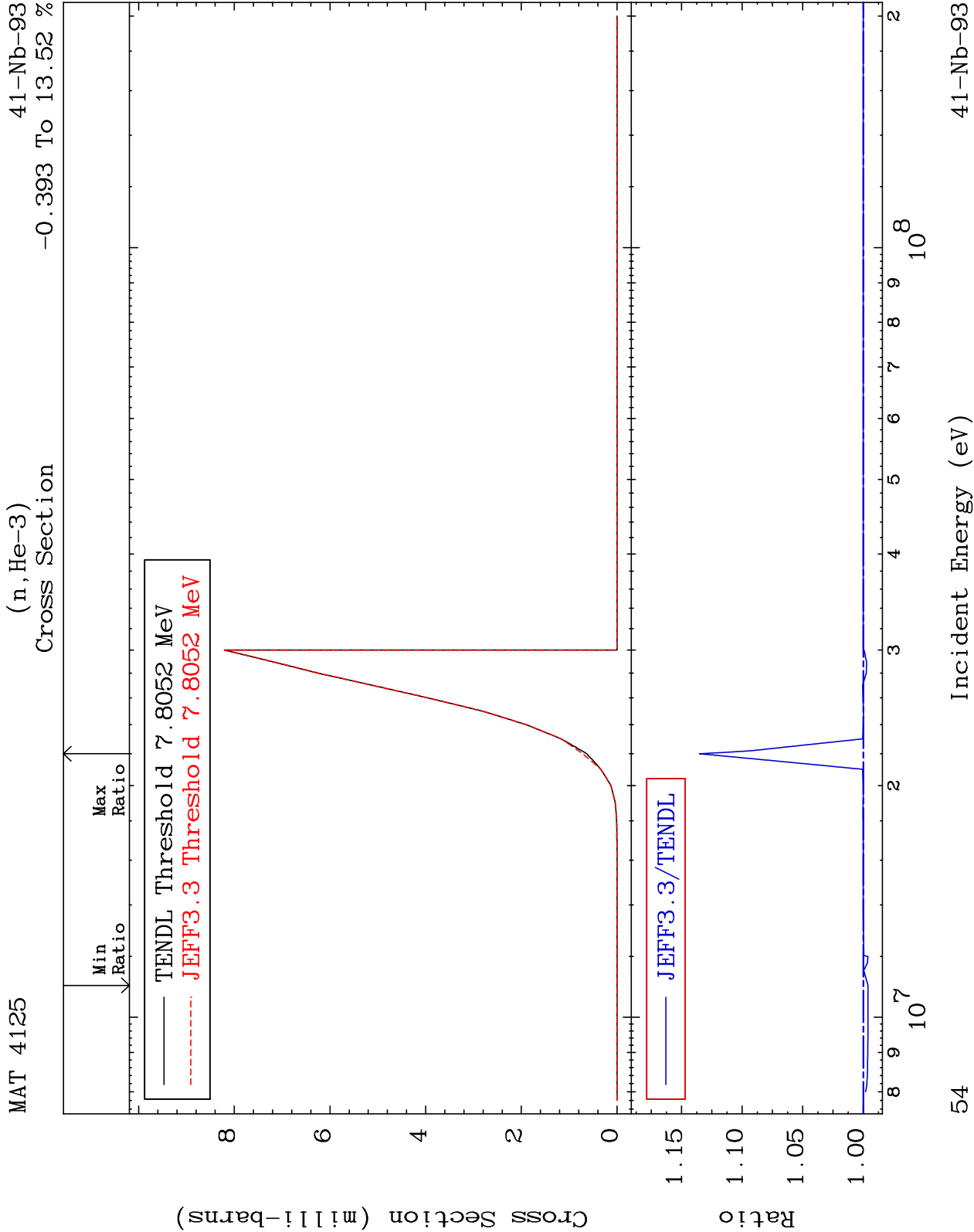
(n,p)
Cross Section

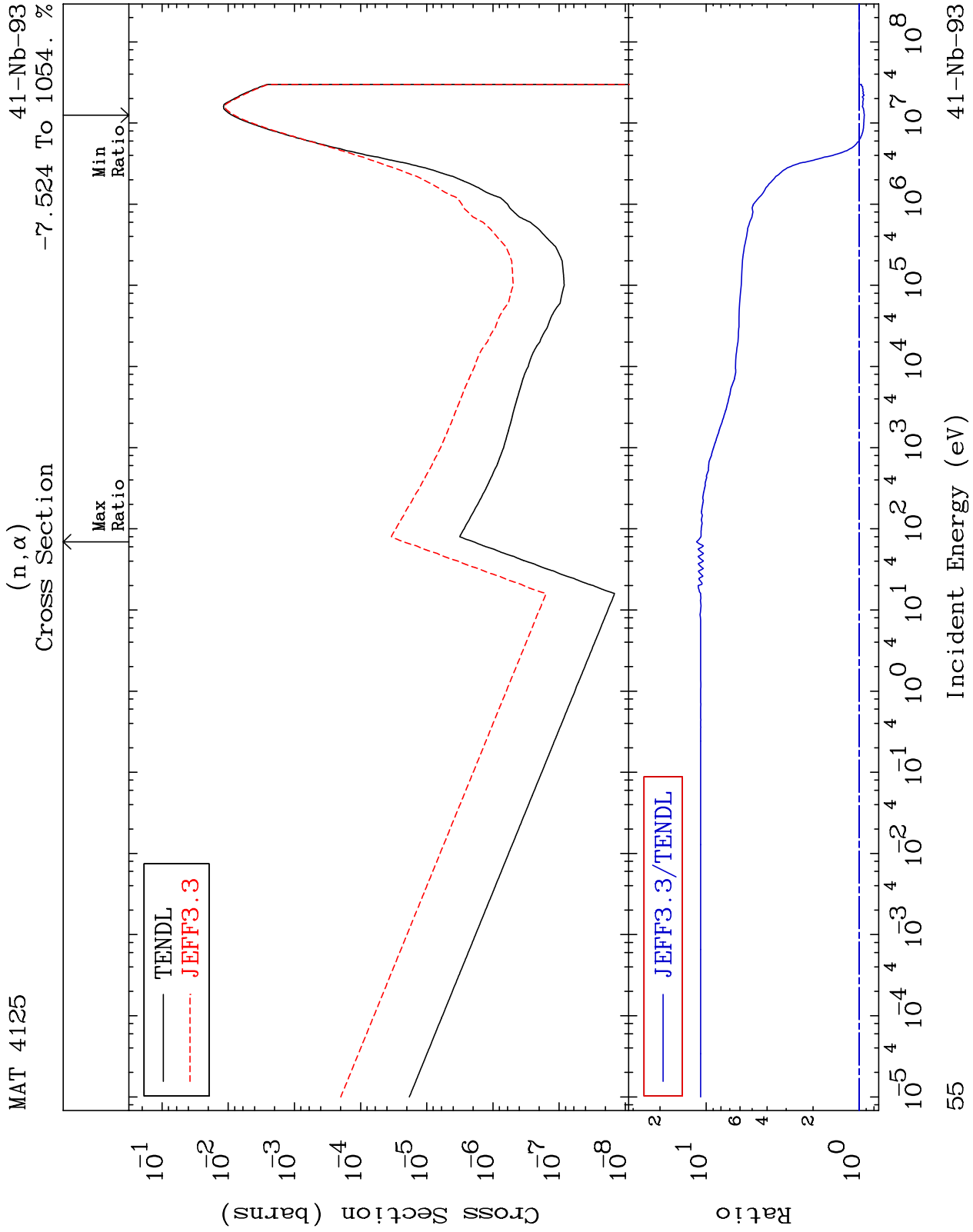
-2.238 To 8.497 %

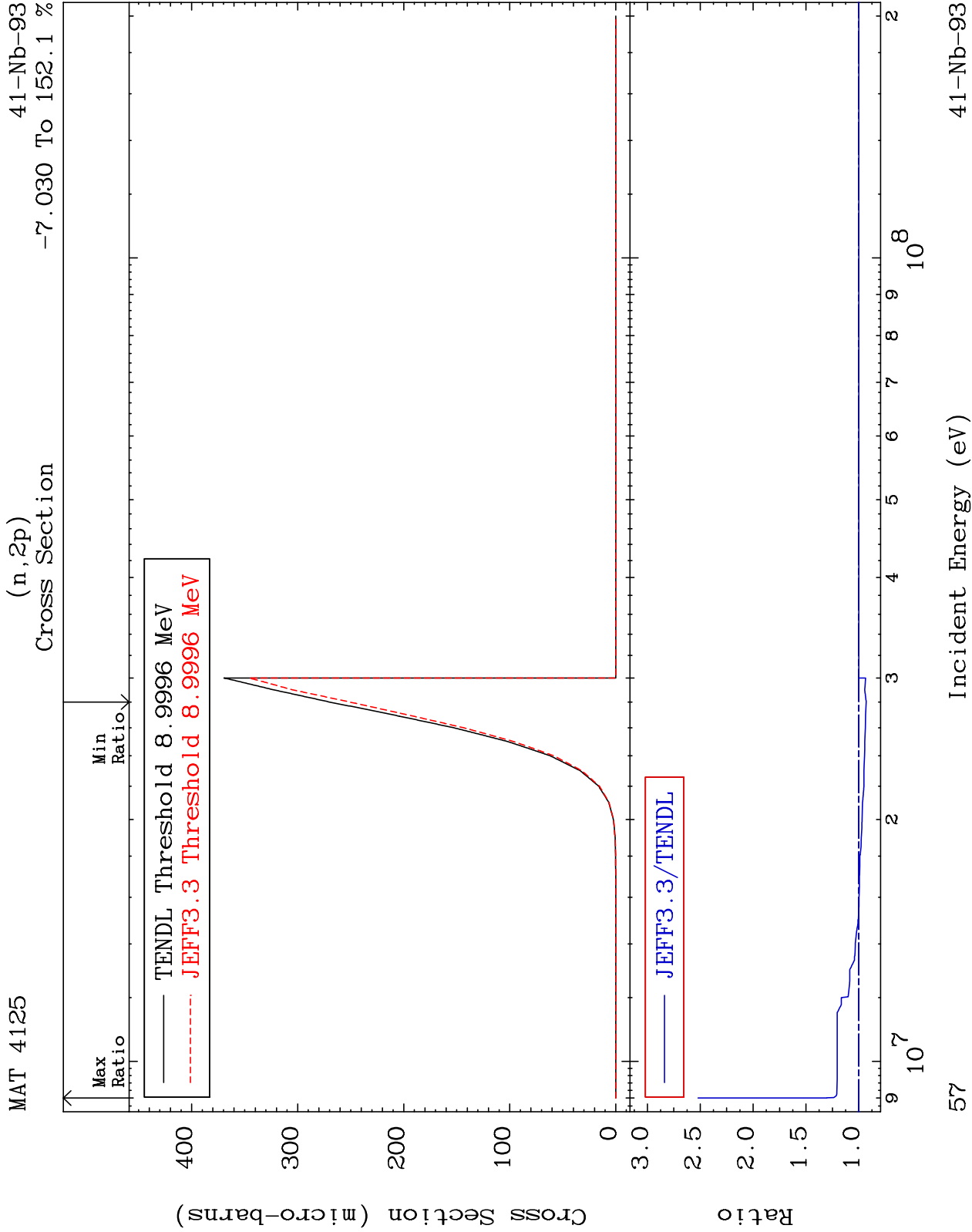


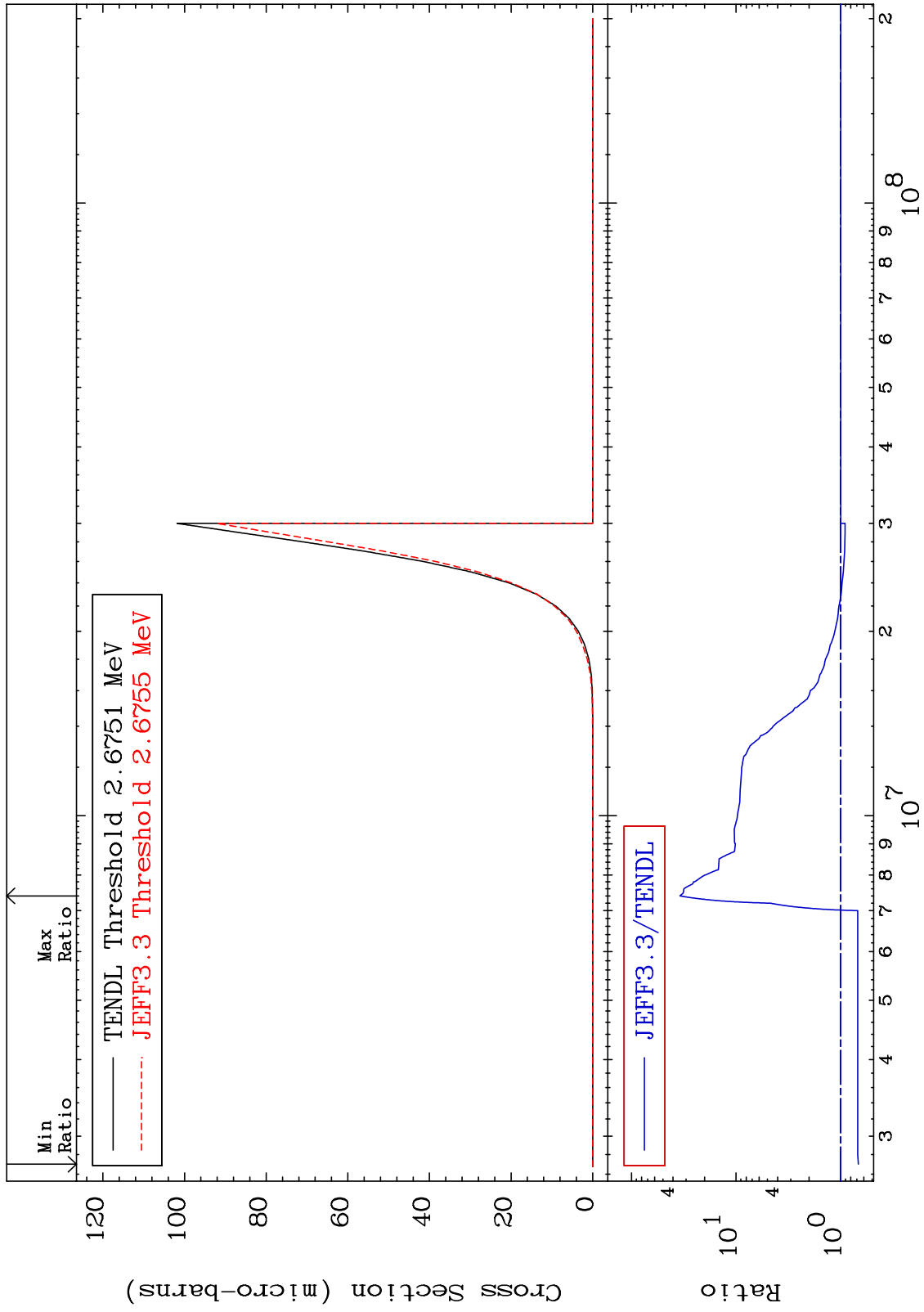


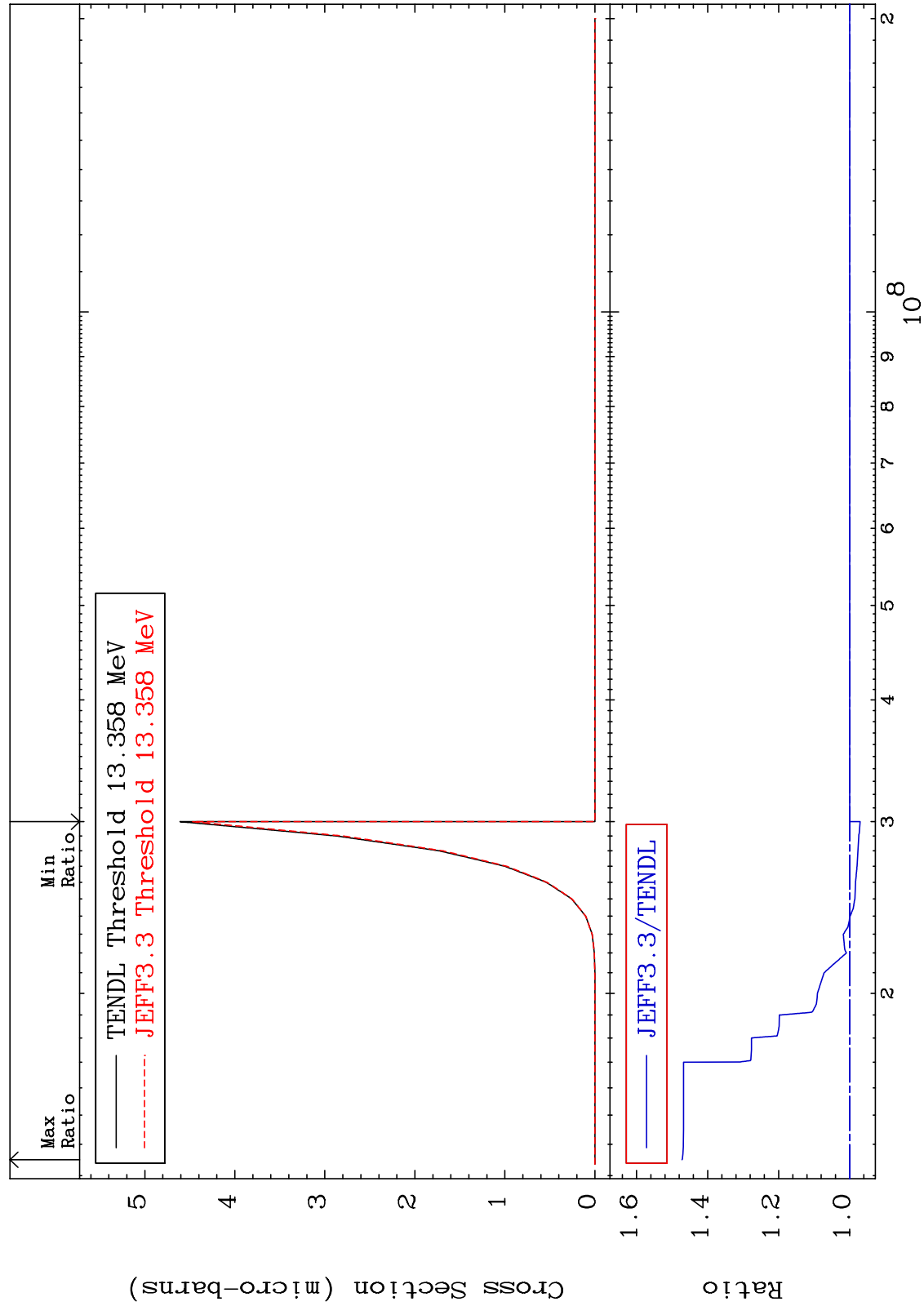


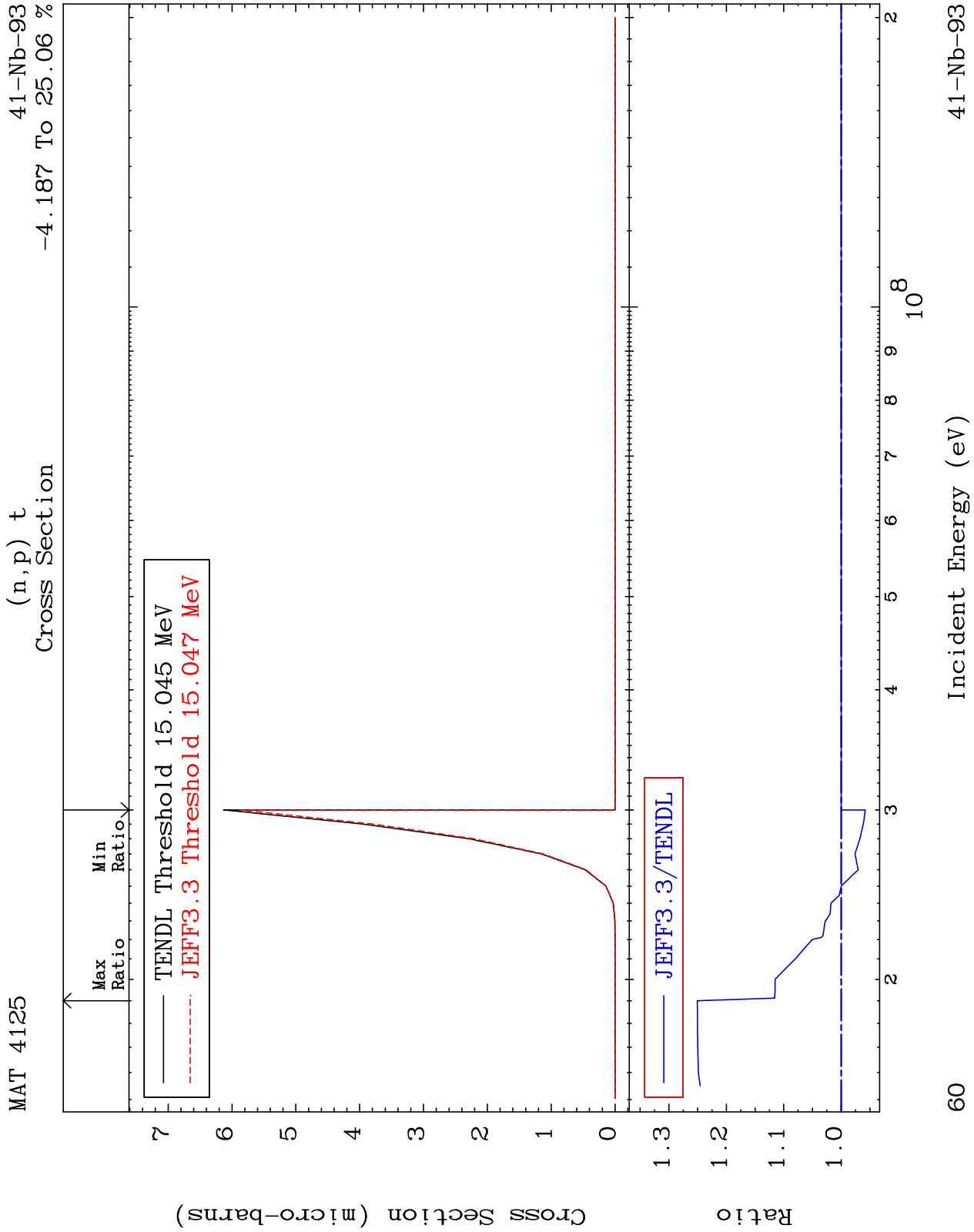


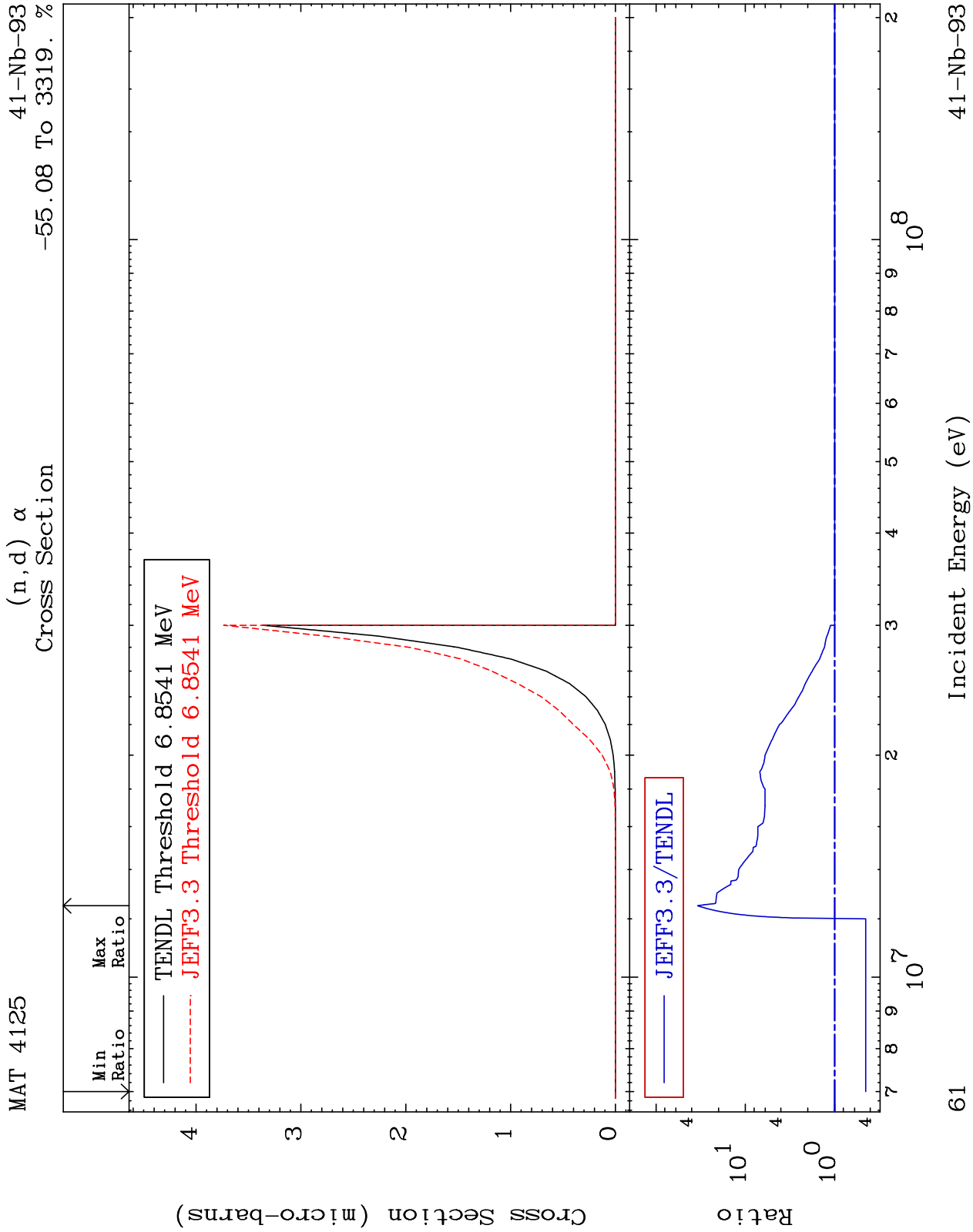


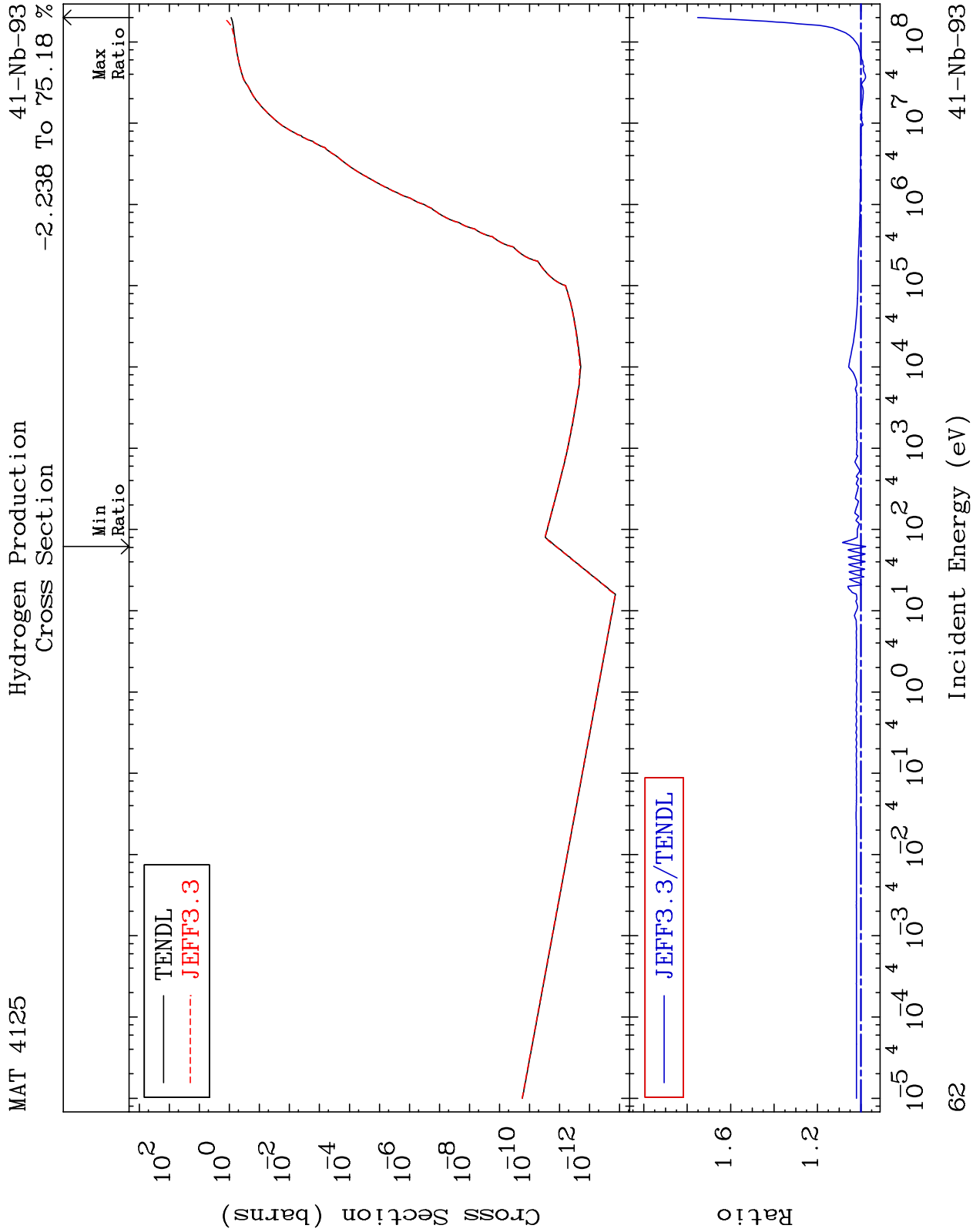


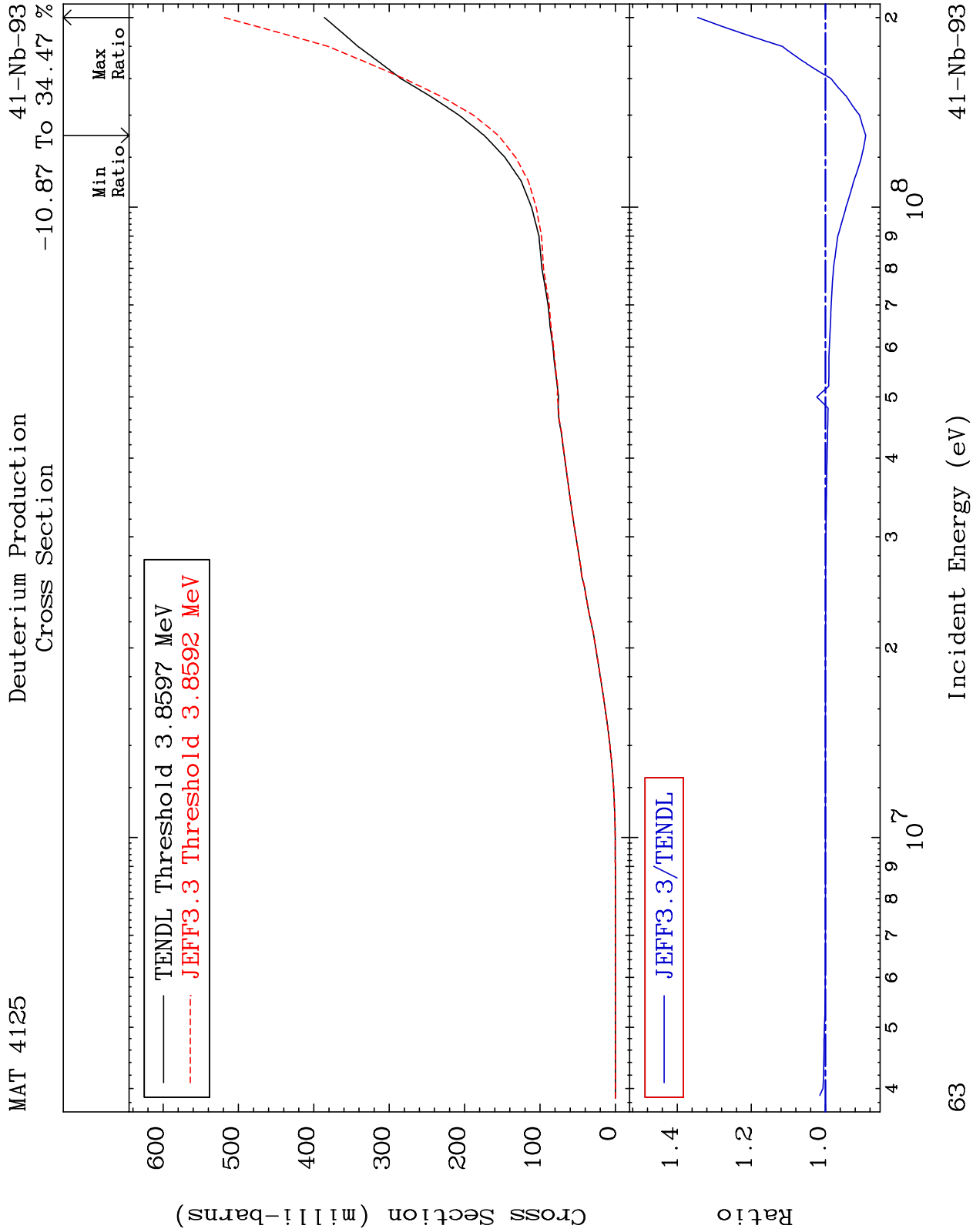








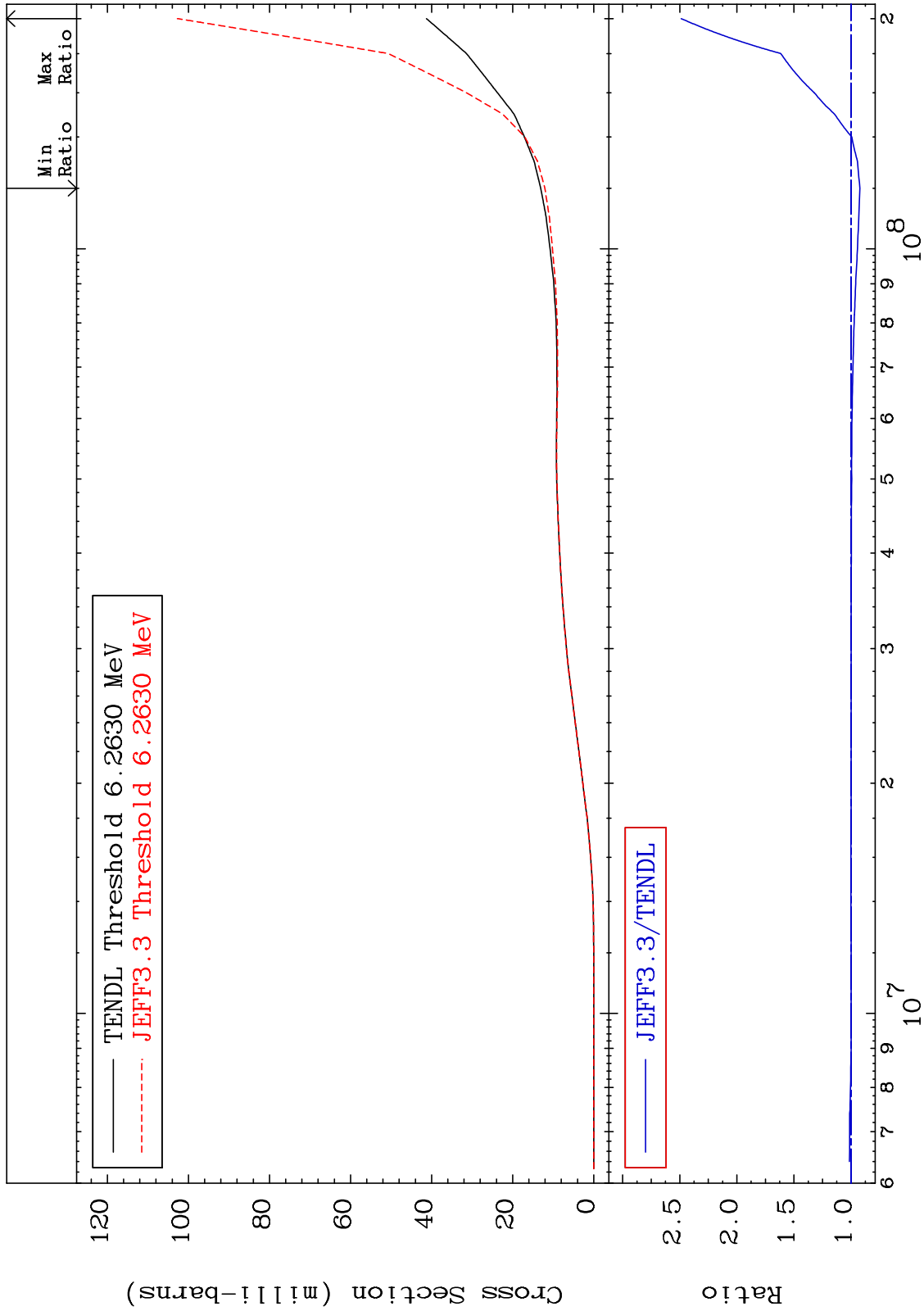




MAT 4125

Tritium Production
Cross Section

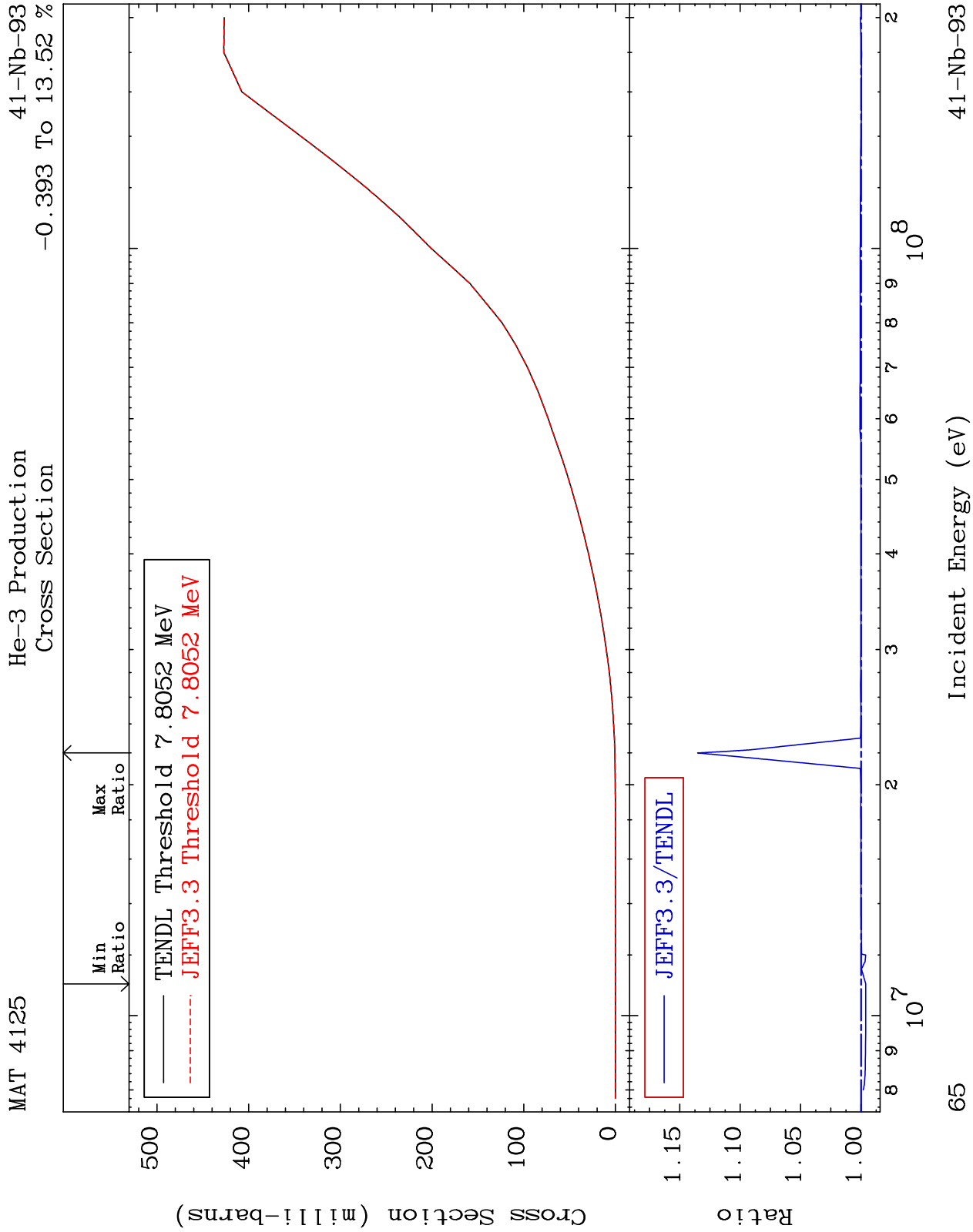
41-Nb-93
-7.791 To 148.7 %

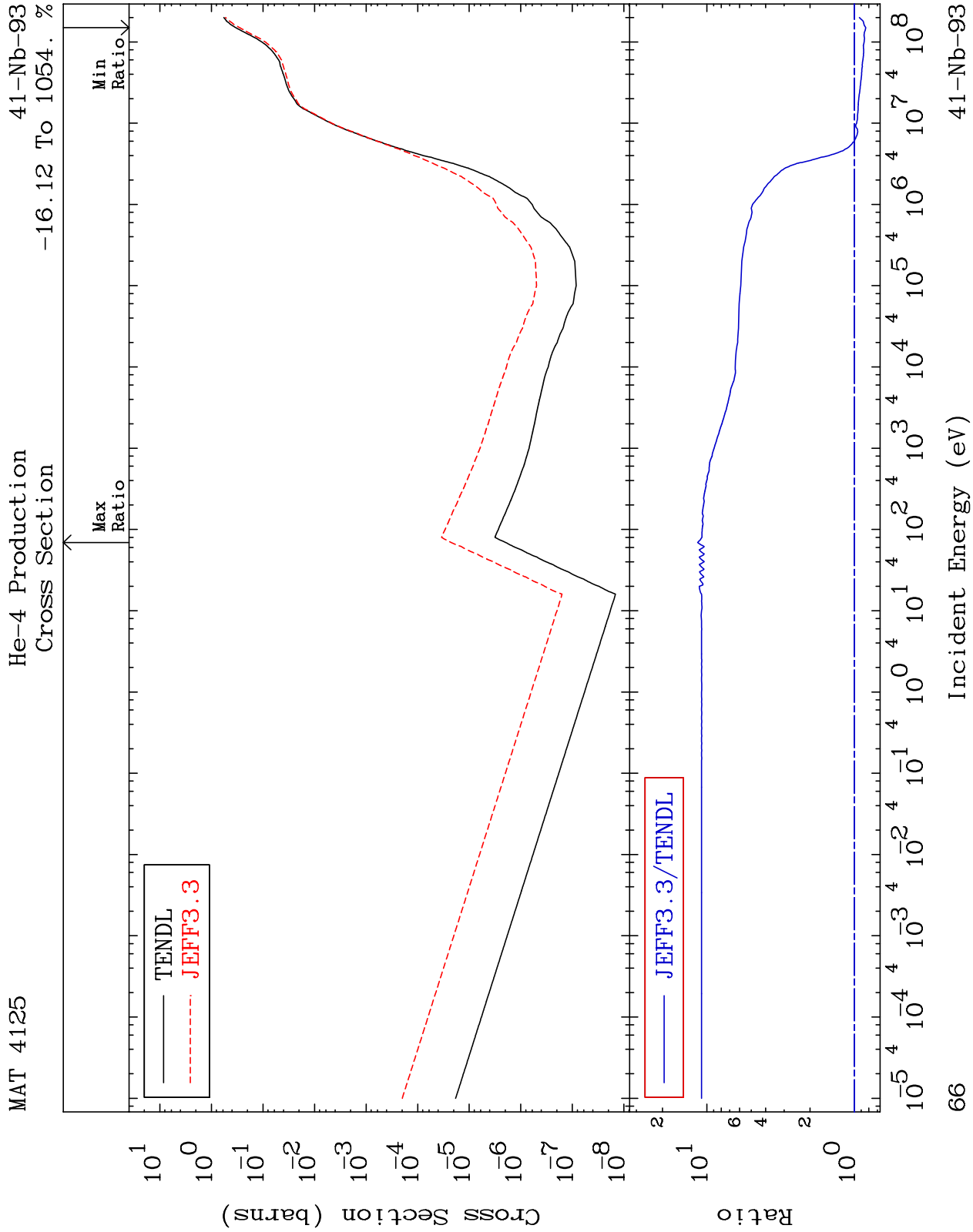


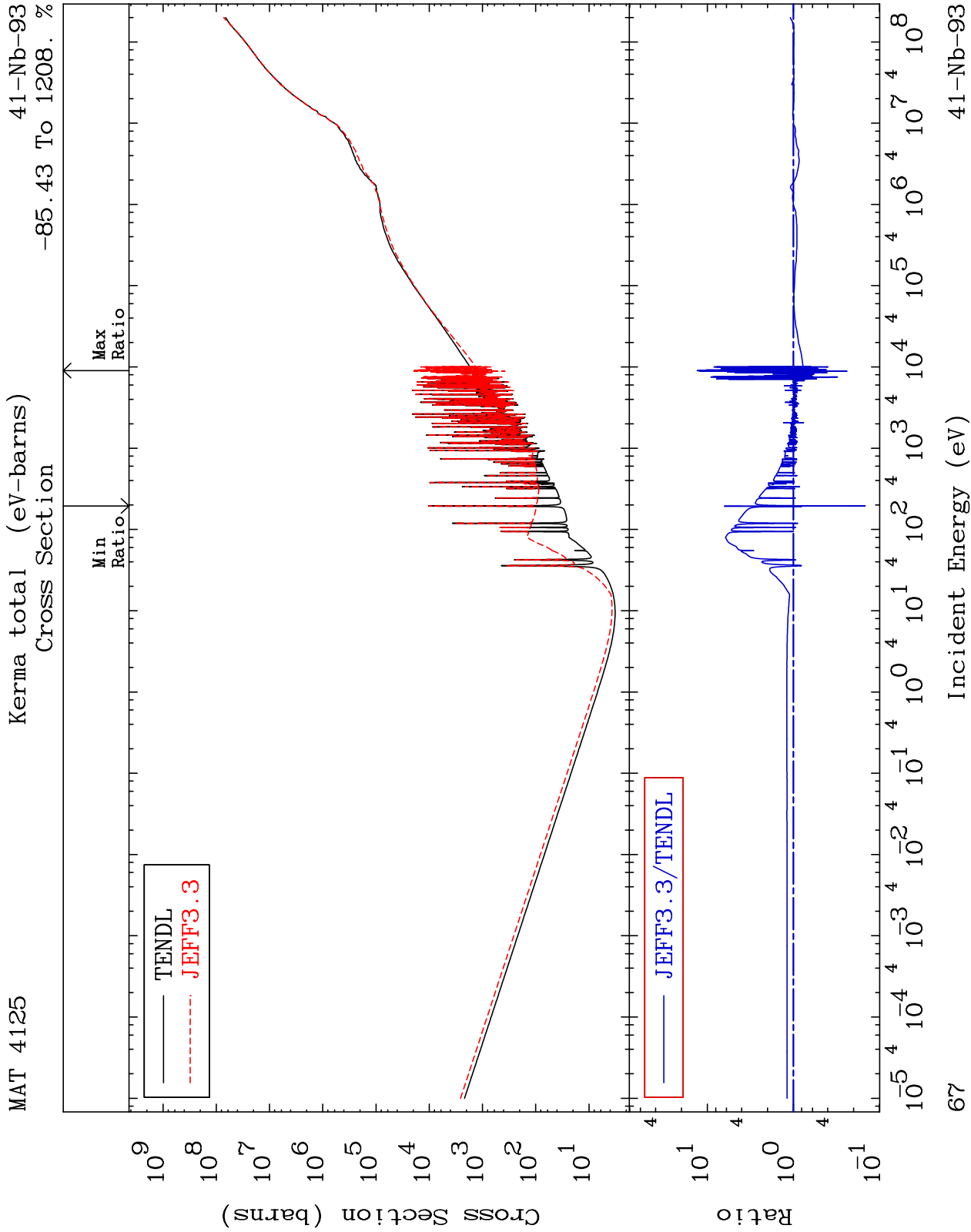
64

Incident Energy (eV)

41-Nb-93



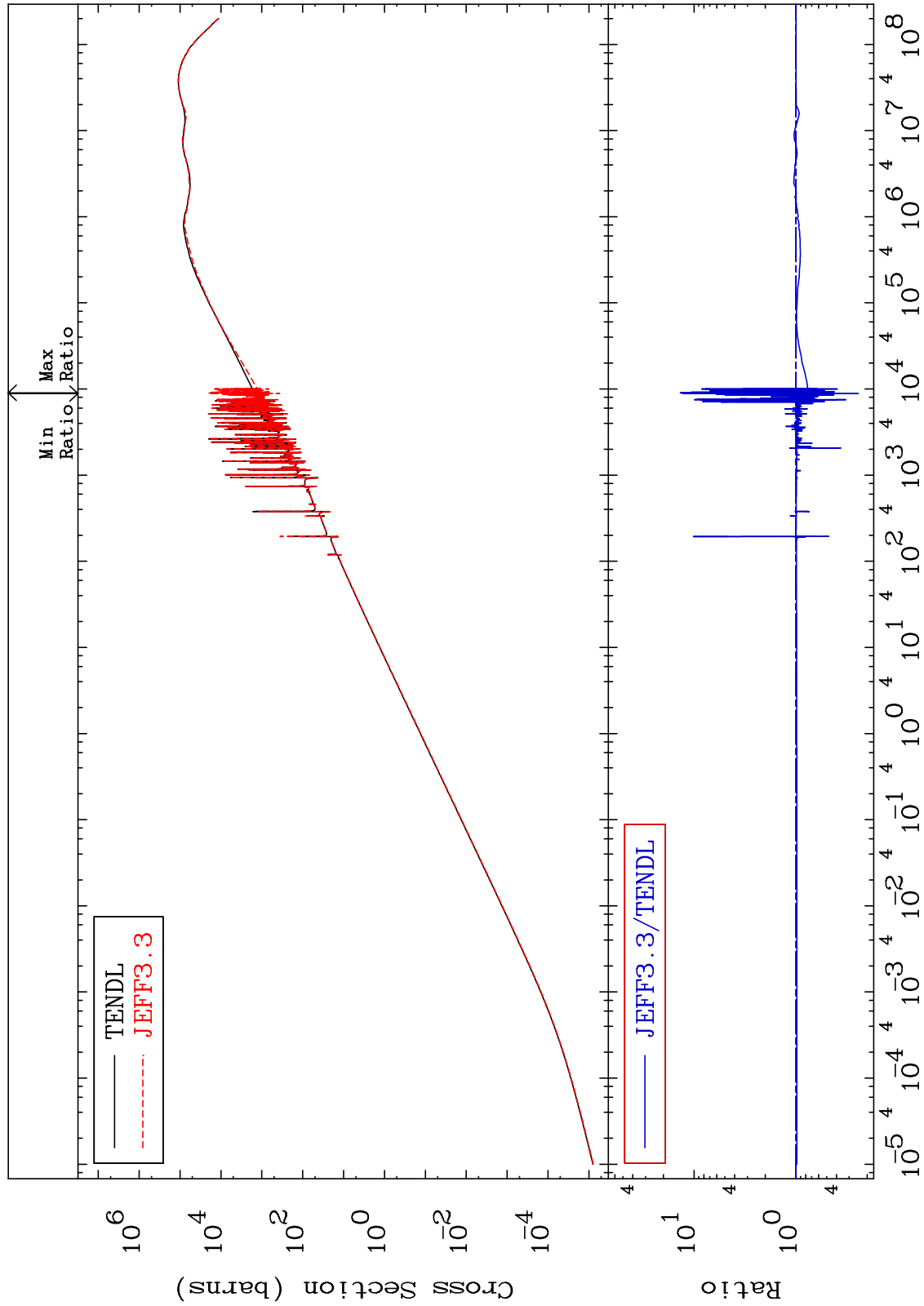


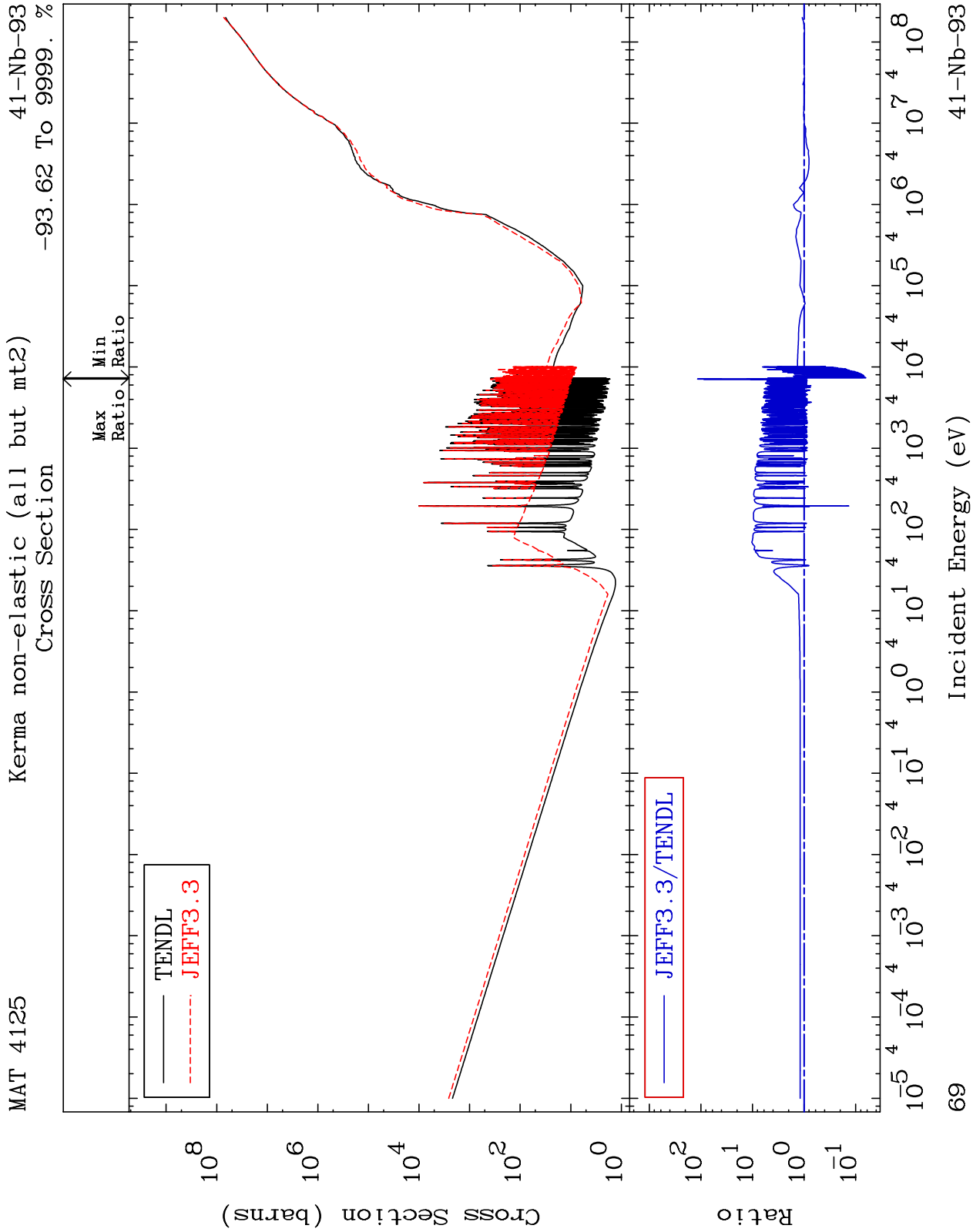


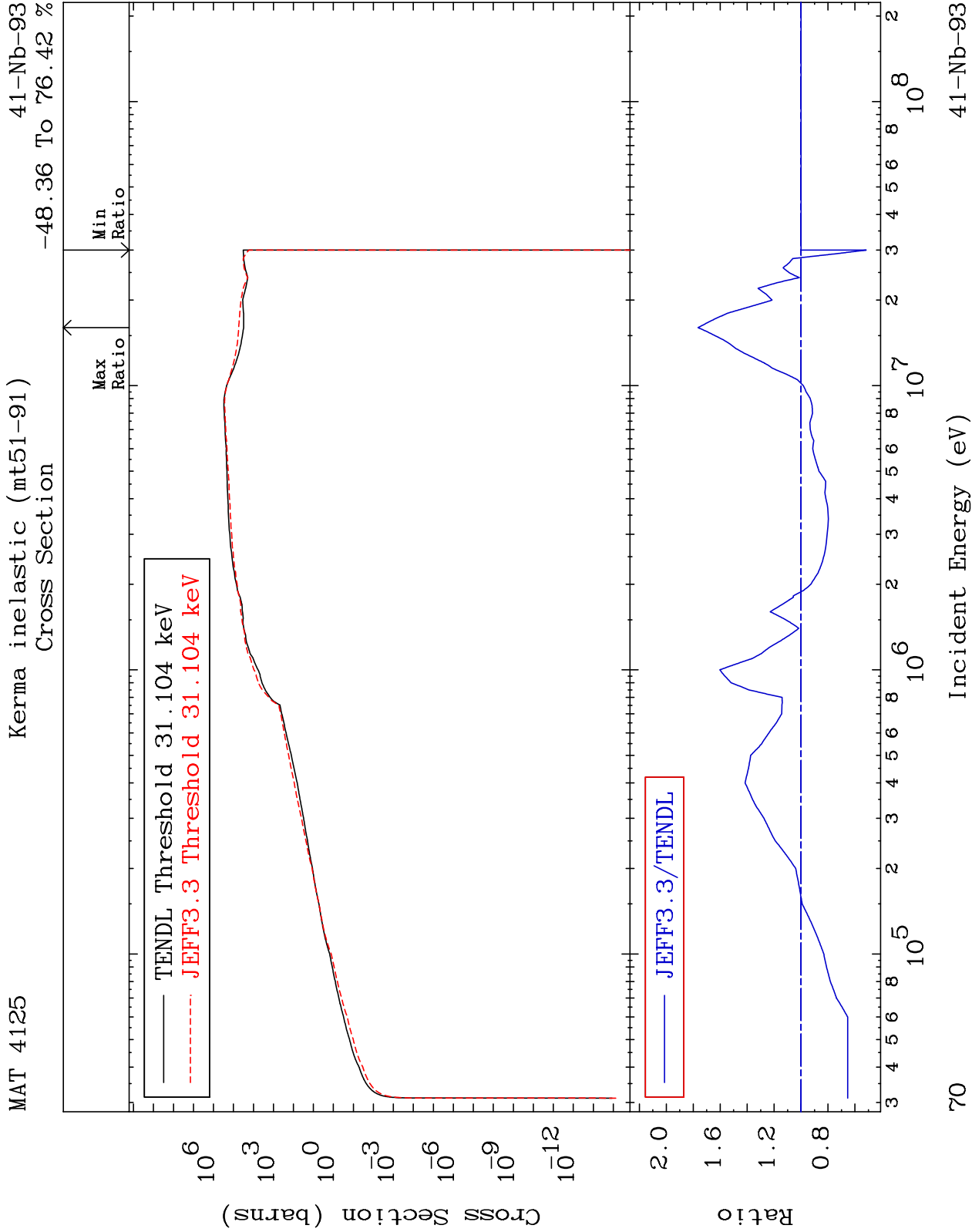
MAT 4125

Kerma elastic
Cross Section

41-Nb-93
-75.70 To 1261. %



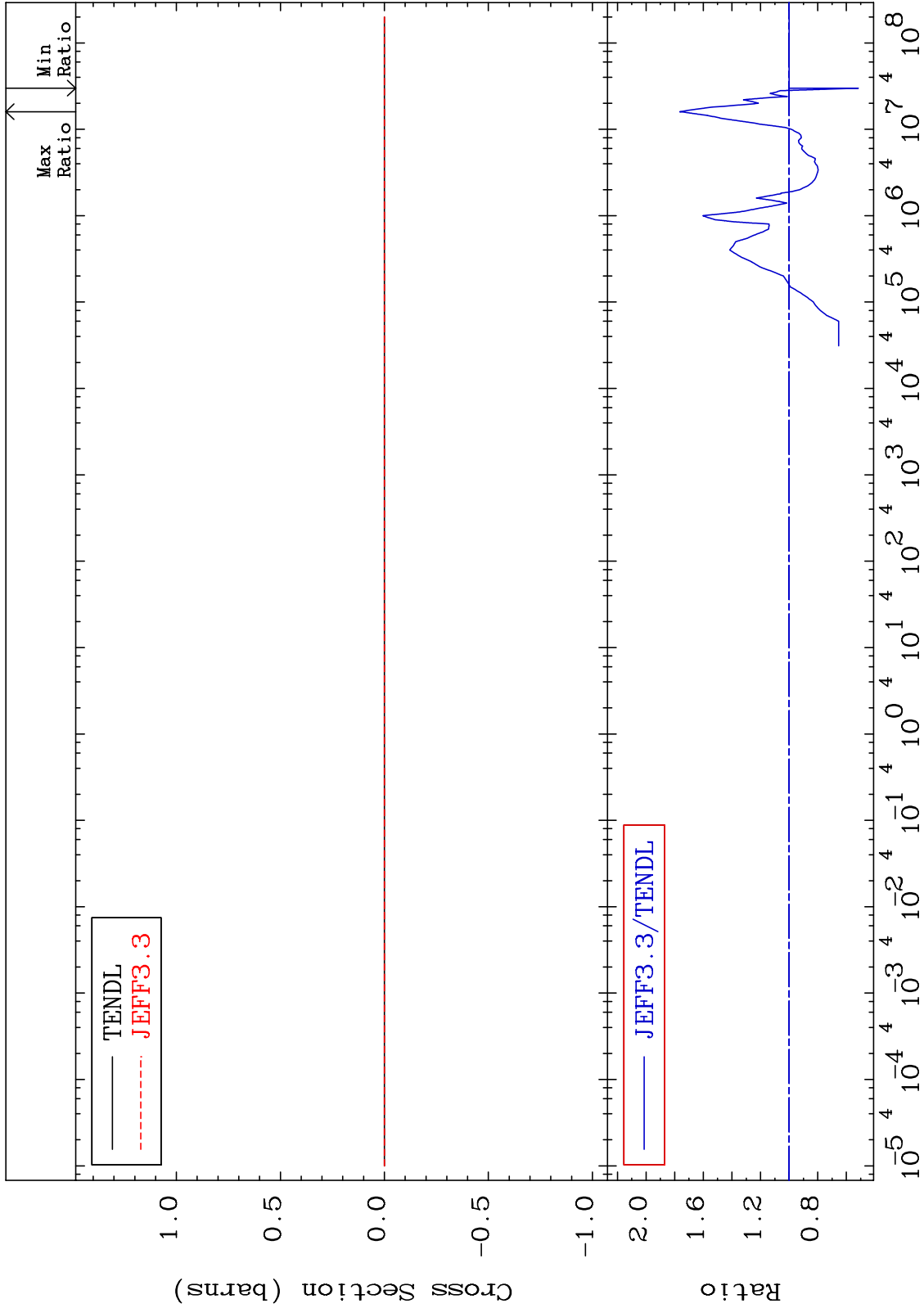




MAT 4125

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

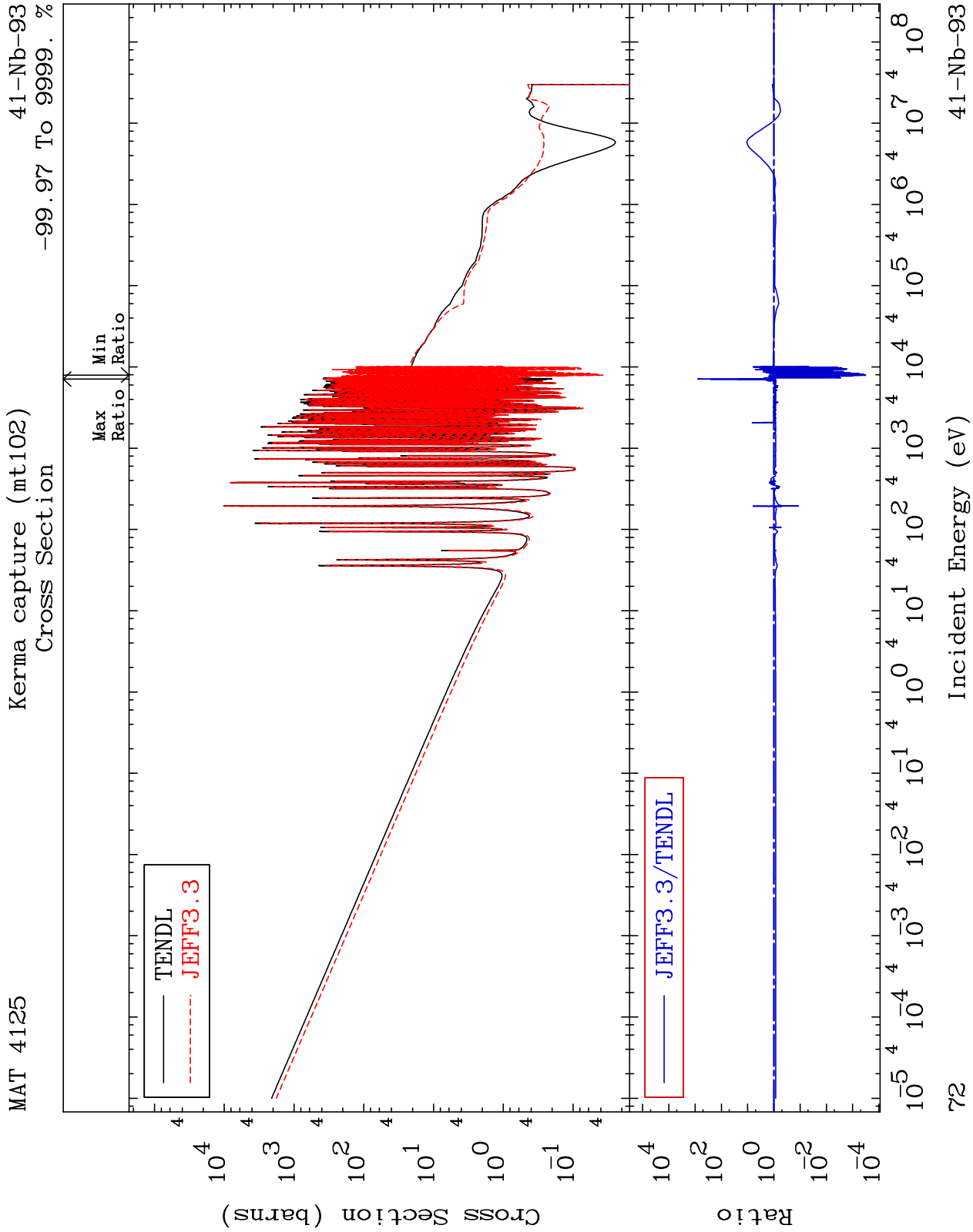
41-Nb-93
-48.36 To 76.42 %

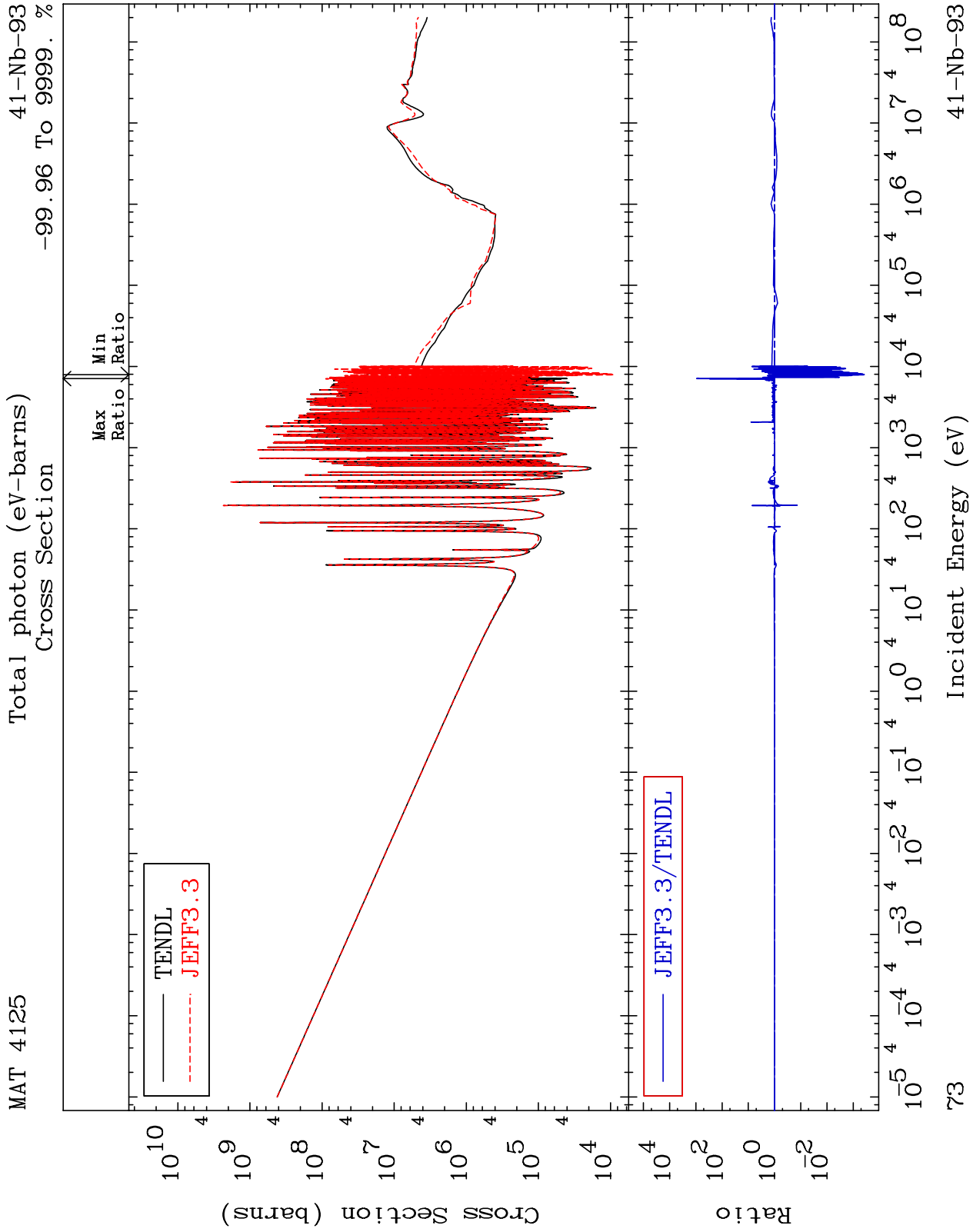


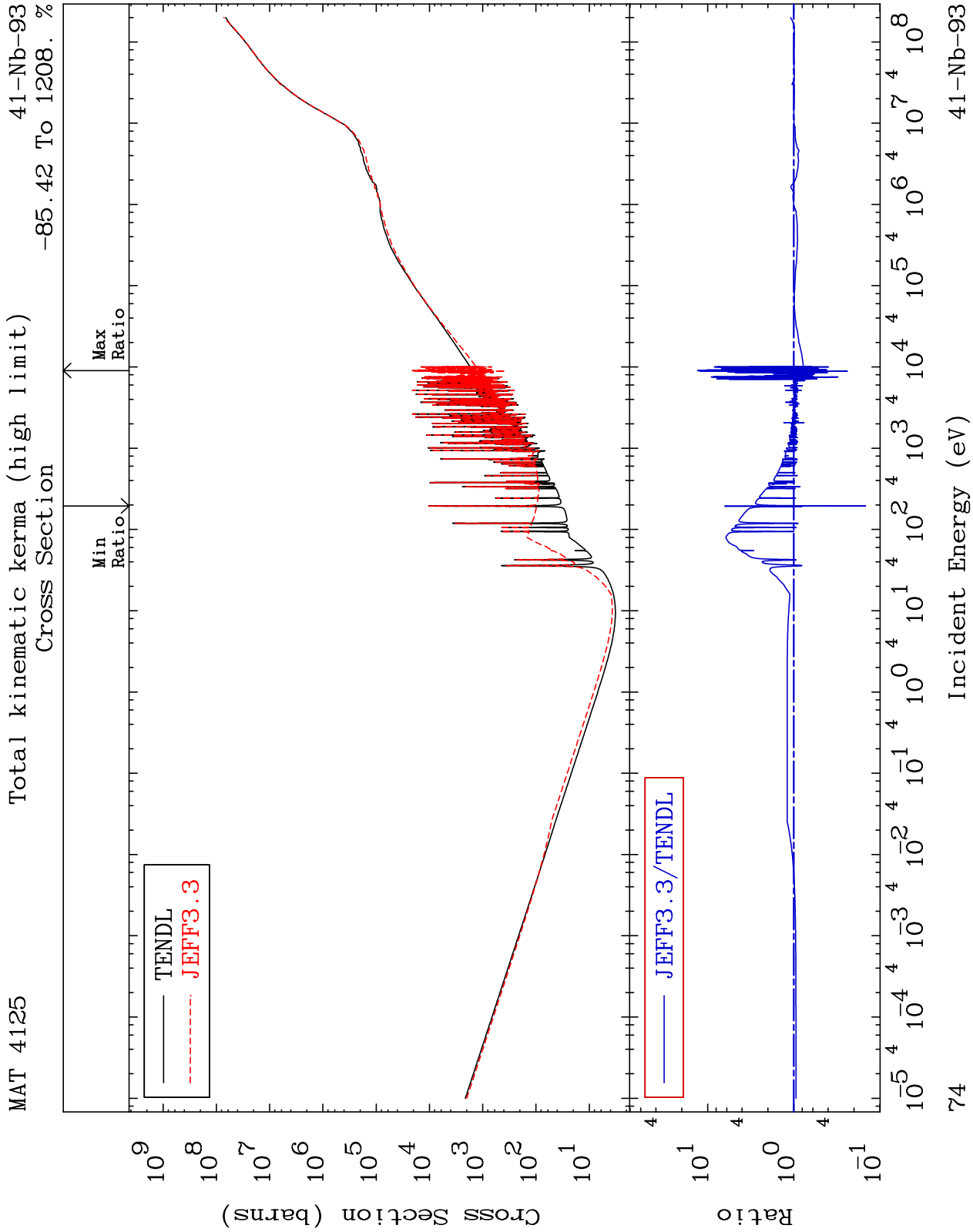
71

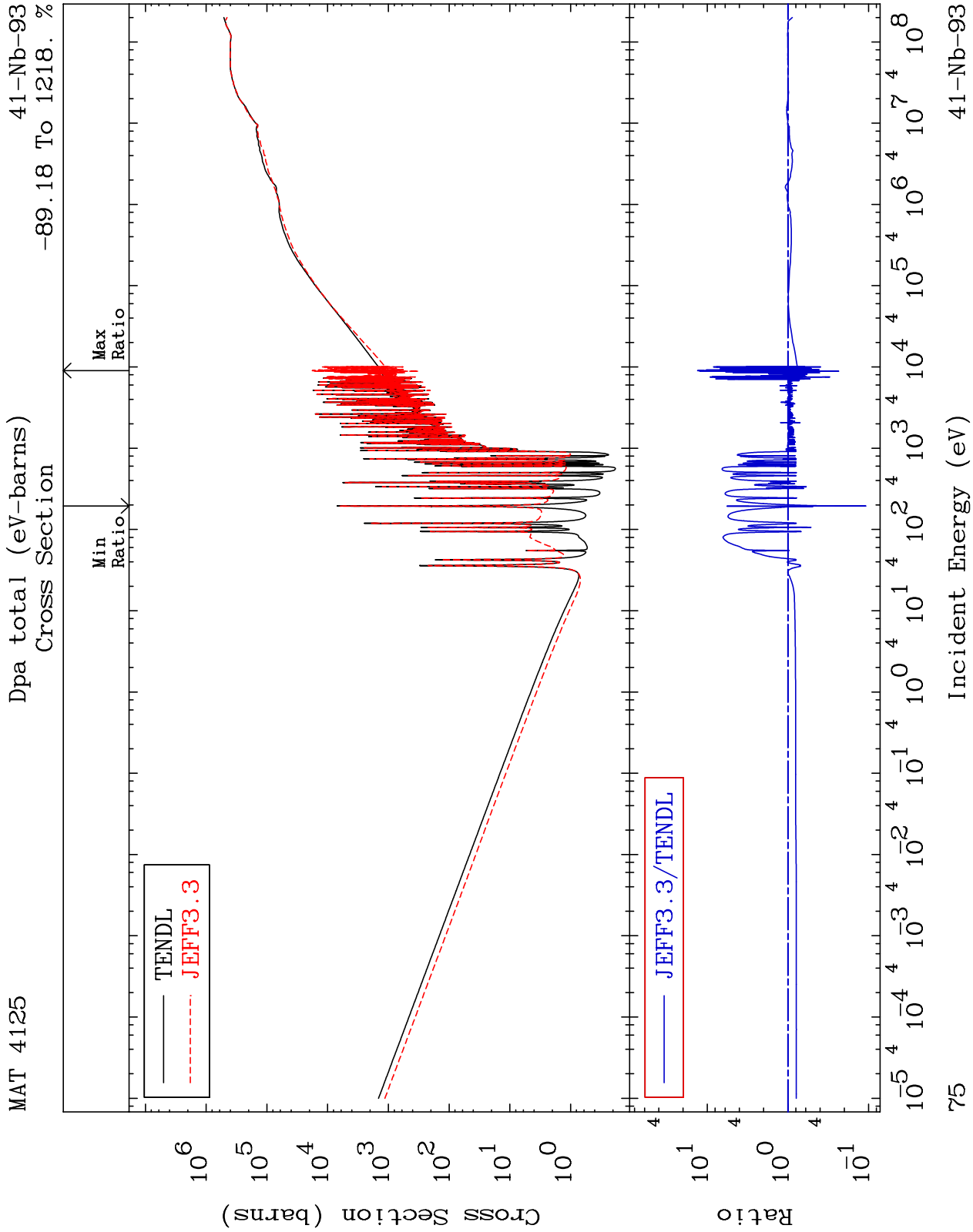
Incident Energy (eV)

41-Nb-93





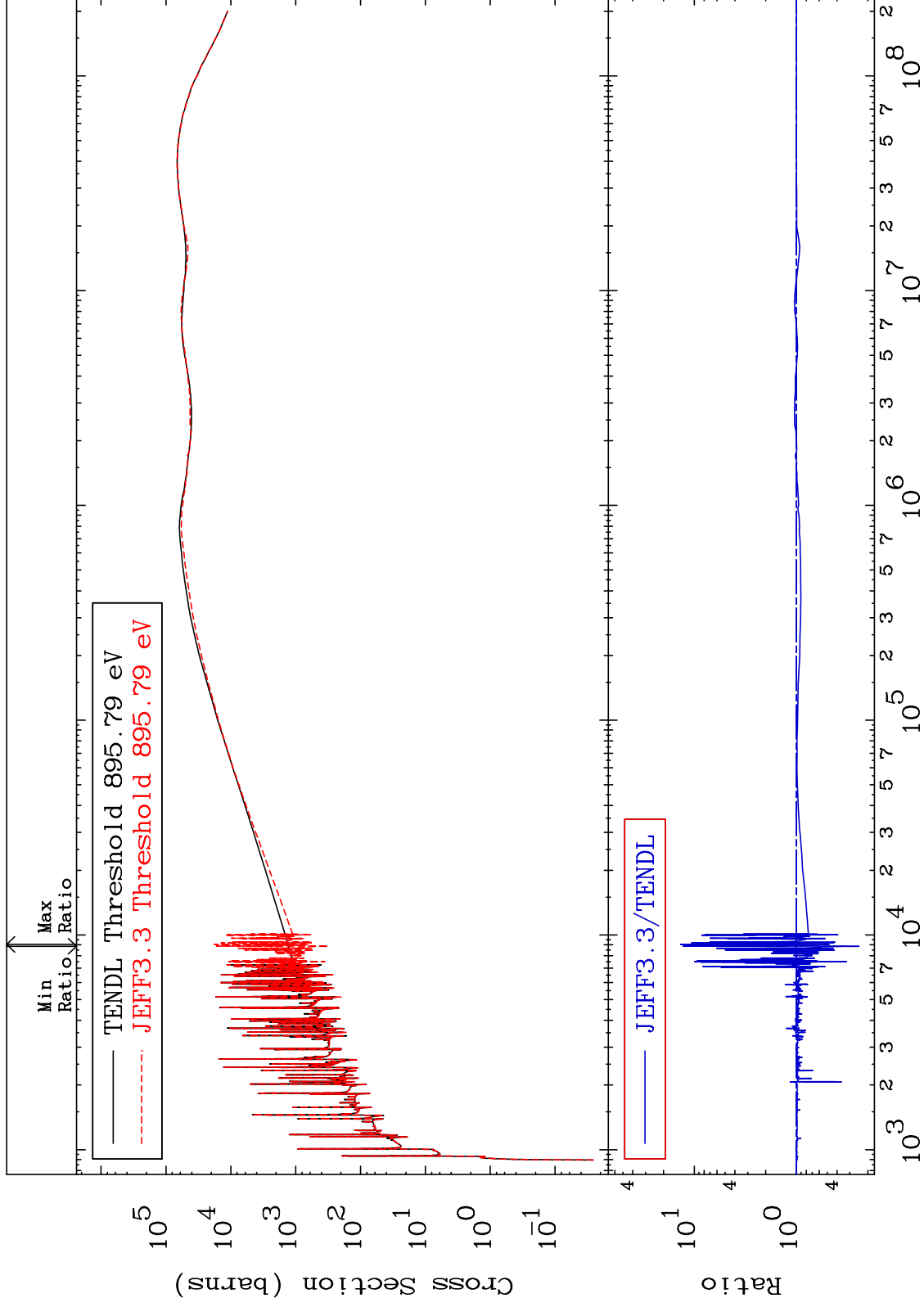




MAT 4125

Dpa elastic (mt2)
Cross Section

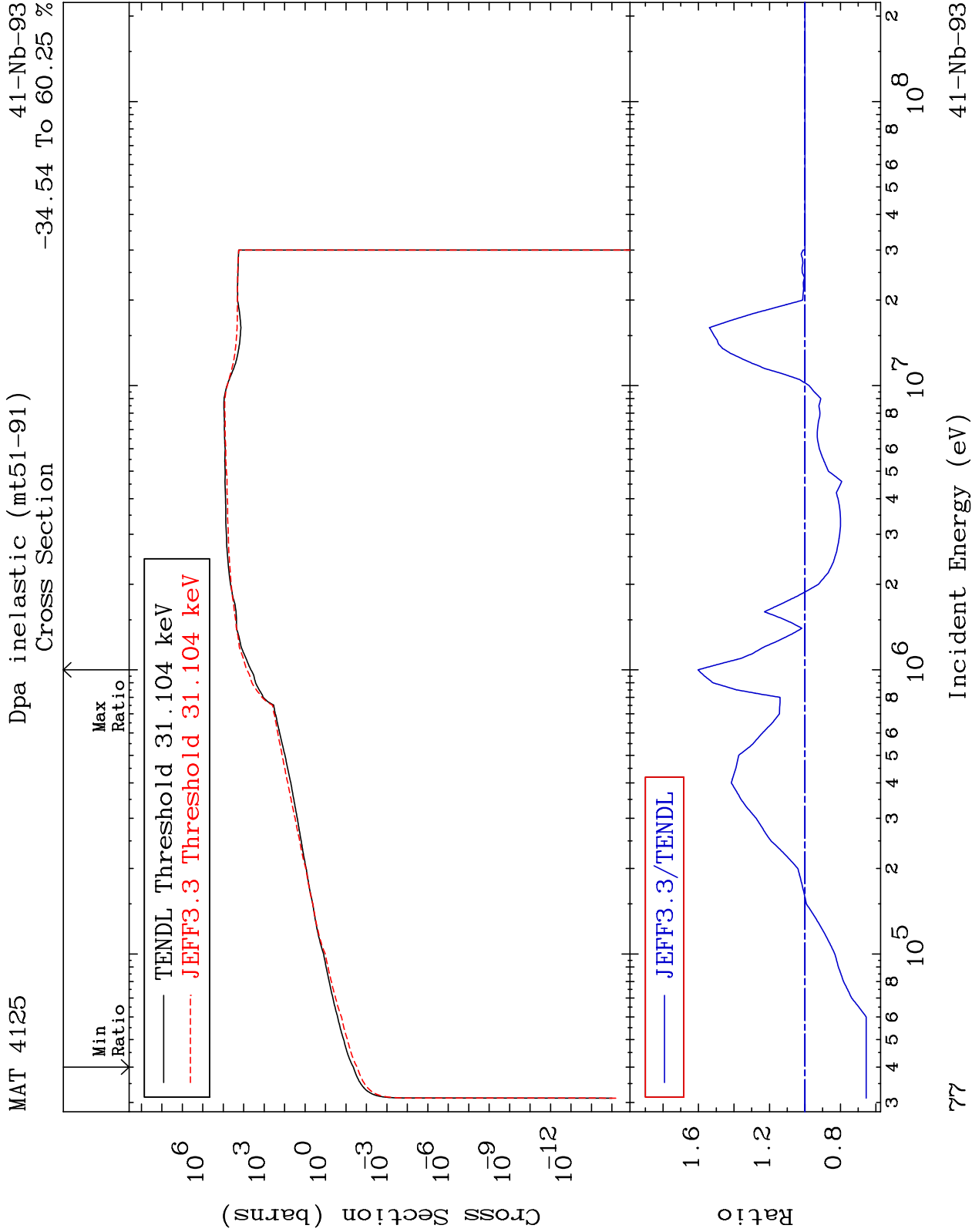
41-Nb-93
-75.69 To 1261. %

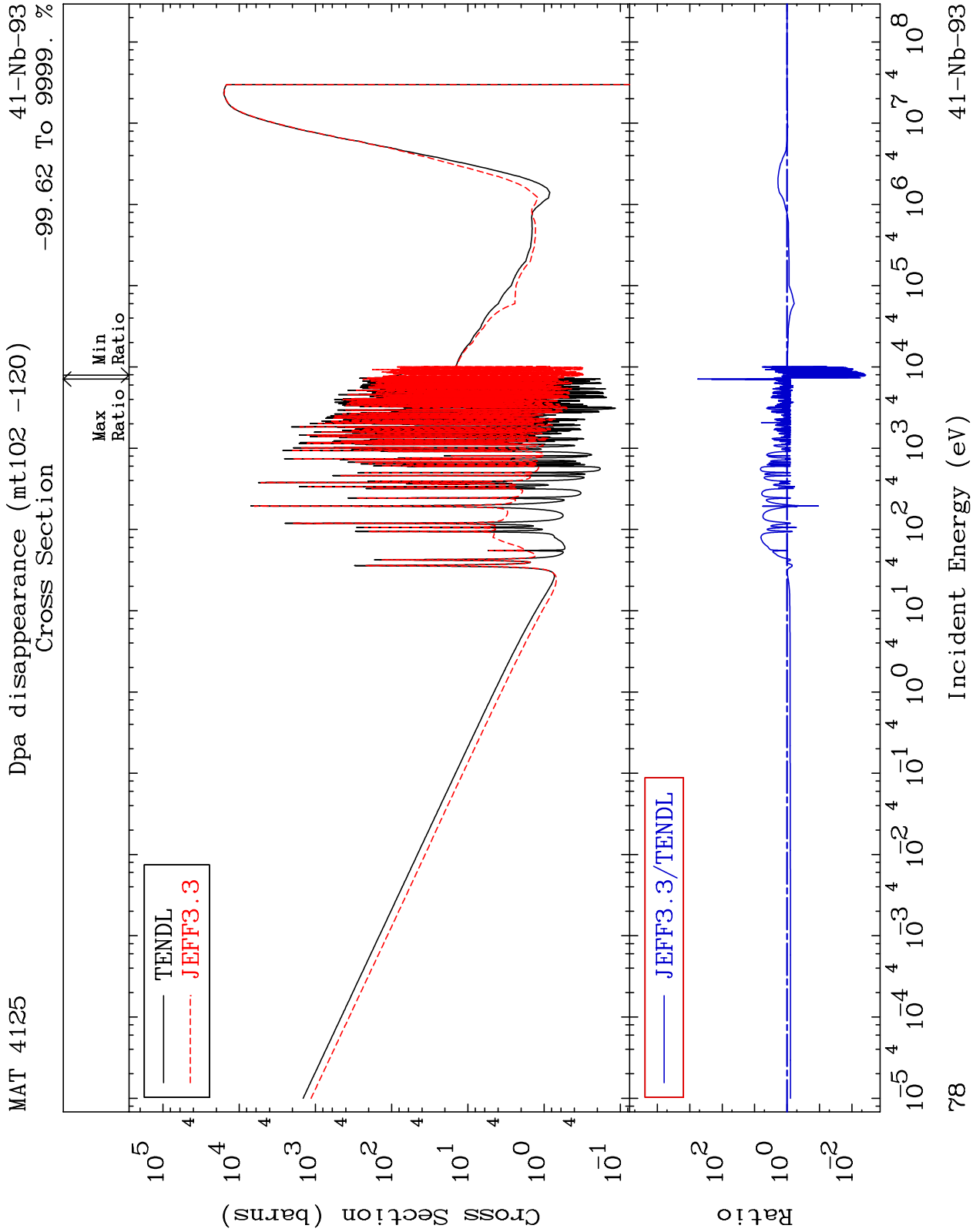


Incident Energy (eV)

41-Nb-93

76

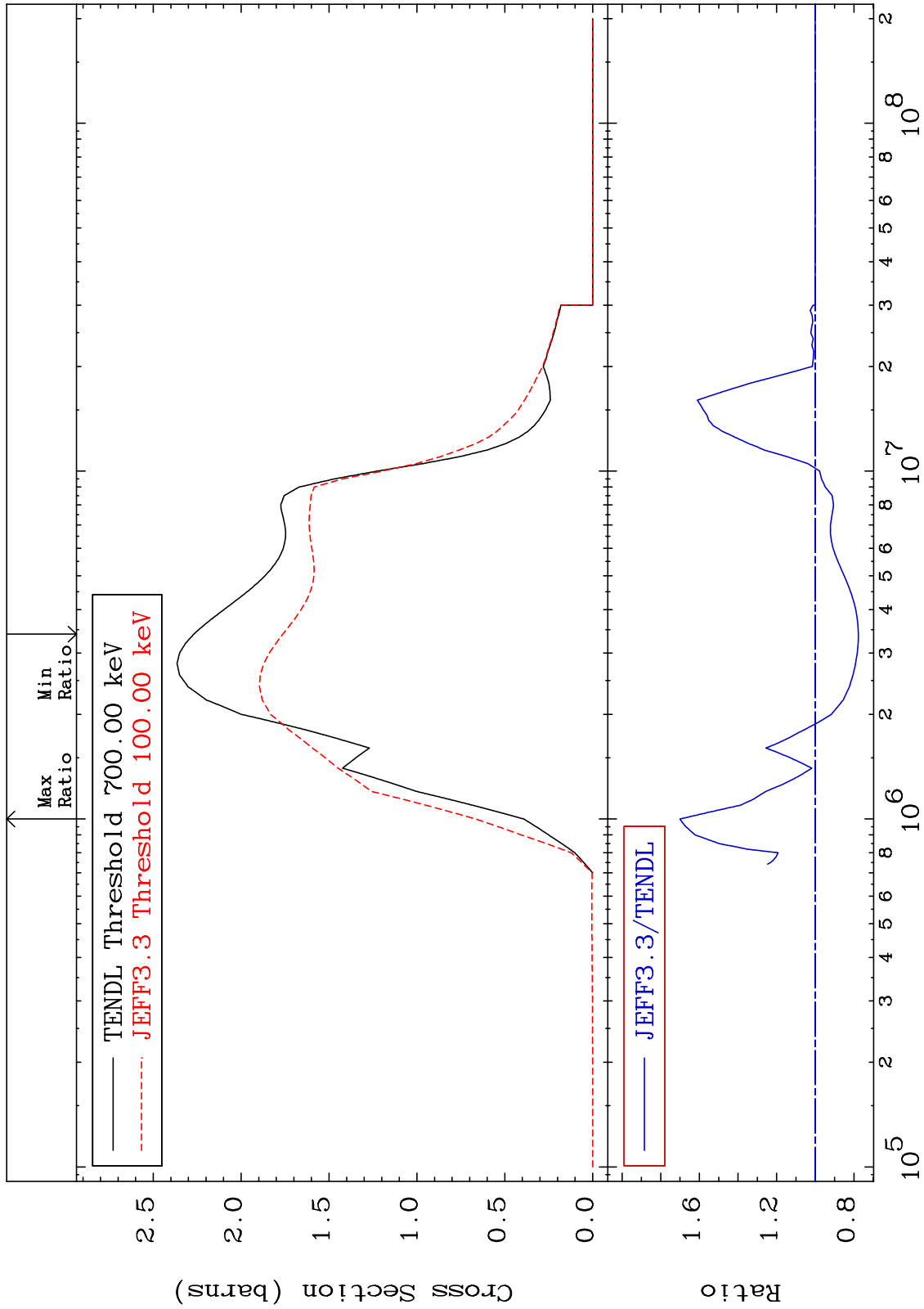




MAT 4125

Inelastic: 41-Nb-93g
Radionuclide Production Cross Section -22.33 To 70.01 %

41-Nb-93

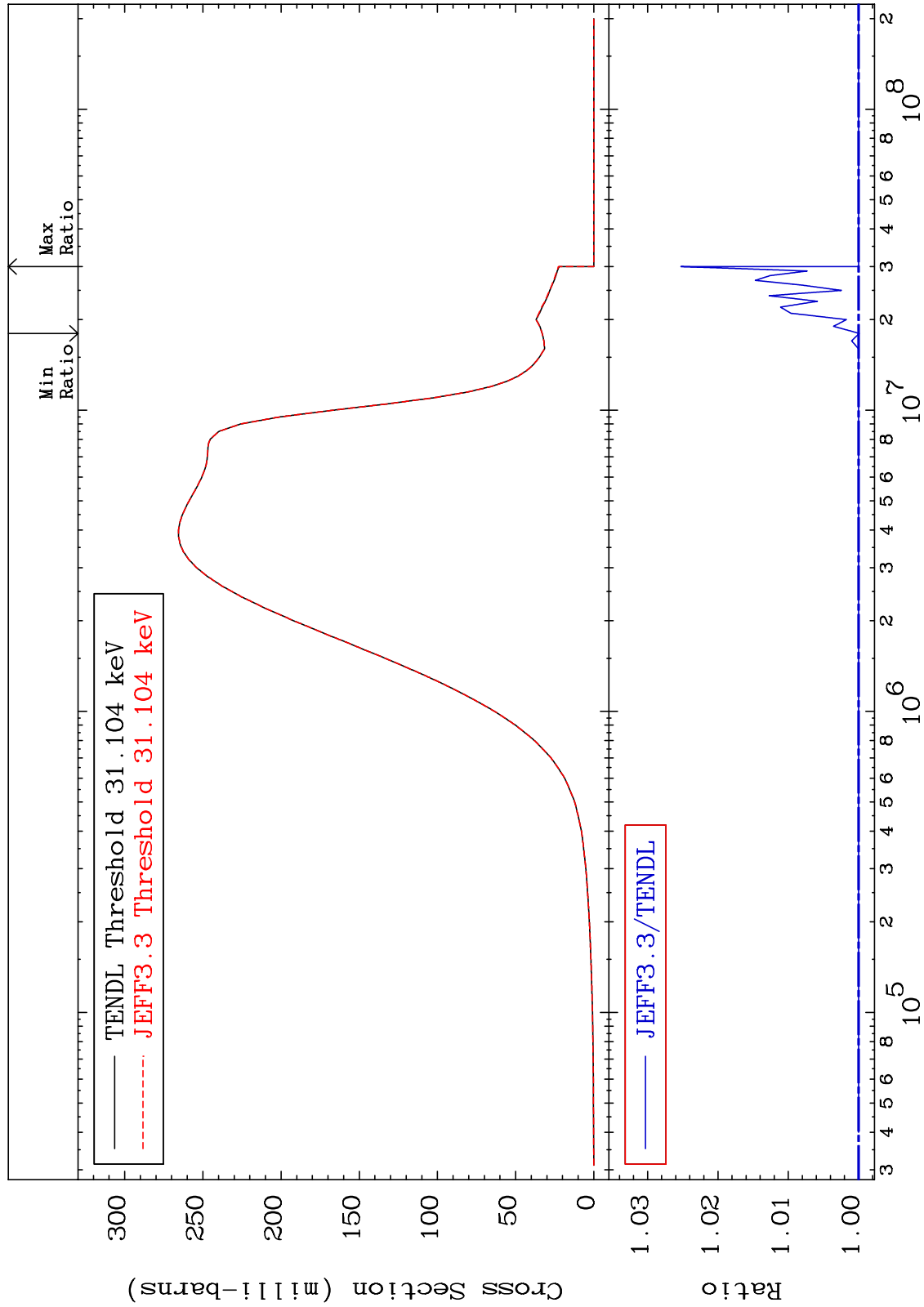


MAT 4125

Inelastic: 41-Nb-93m1

41-Nb-93

Radionuclide Production Cross Section -0.011 To 2.525 %



80

Incident Energy (eV)

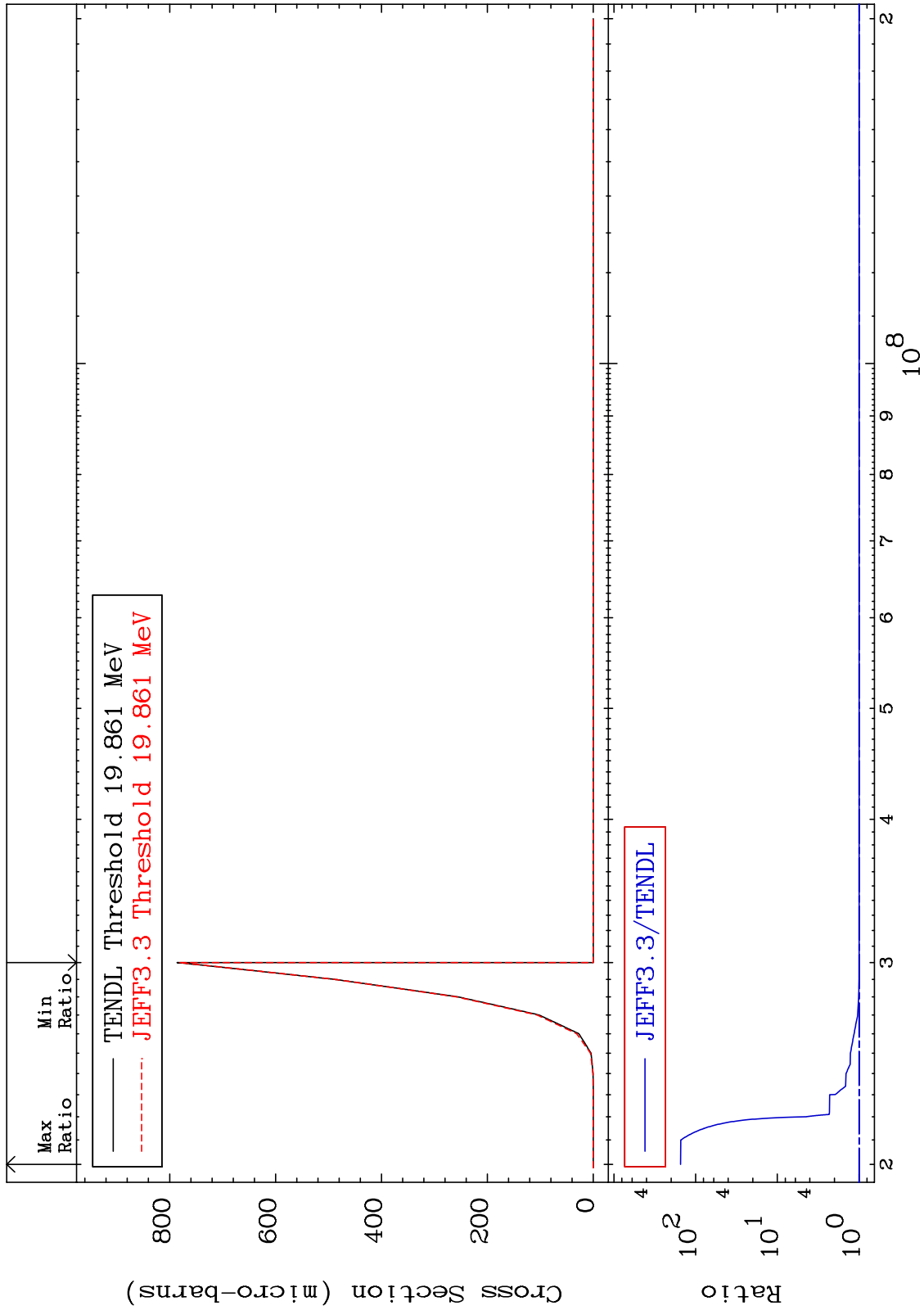
41-Nb-93

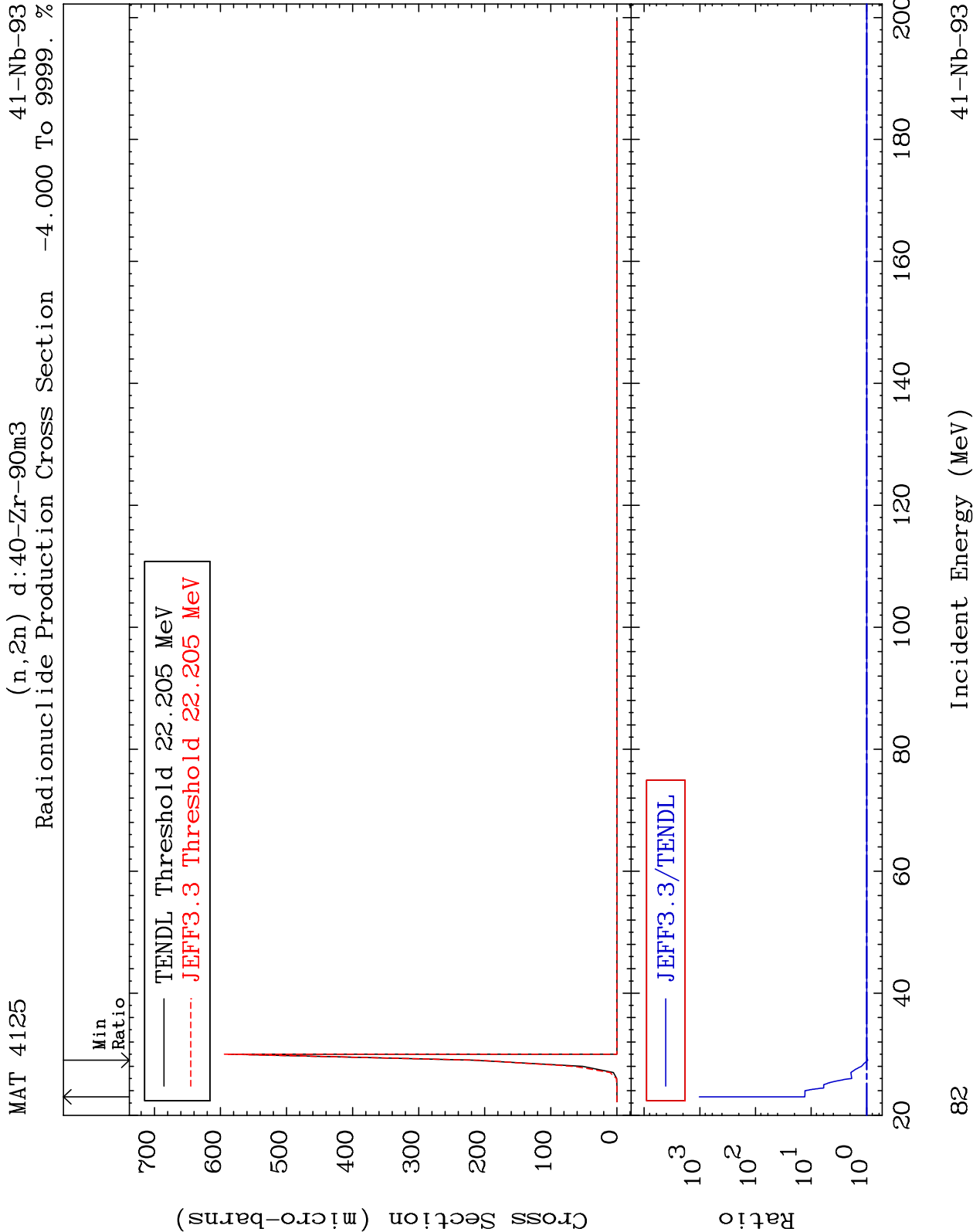
MAT 4125

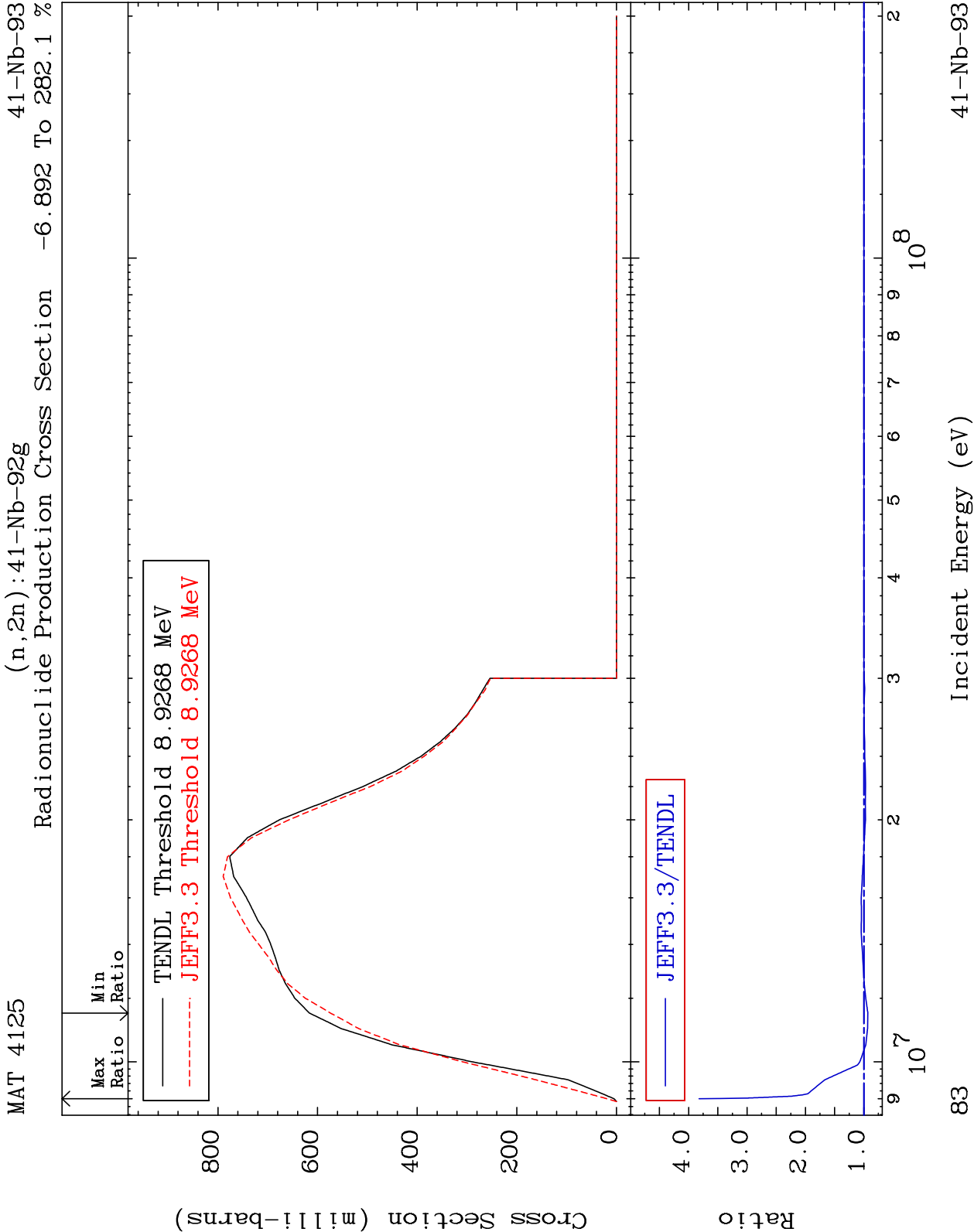
(n,2n) d:40-Zr-90g

41-Nb-93

Radionuclide Production Cross Section -0.369 To 9999. %





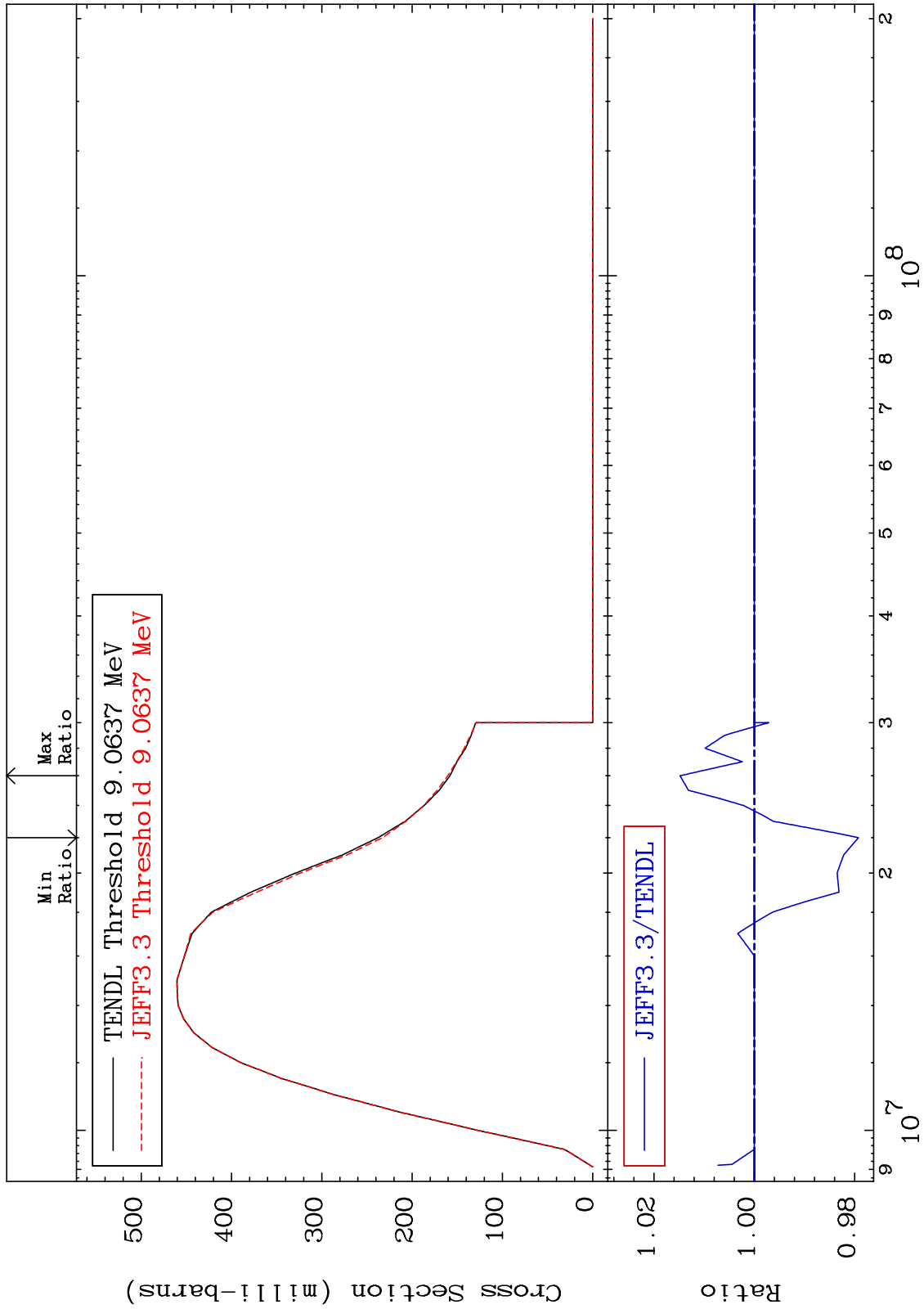


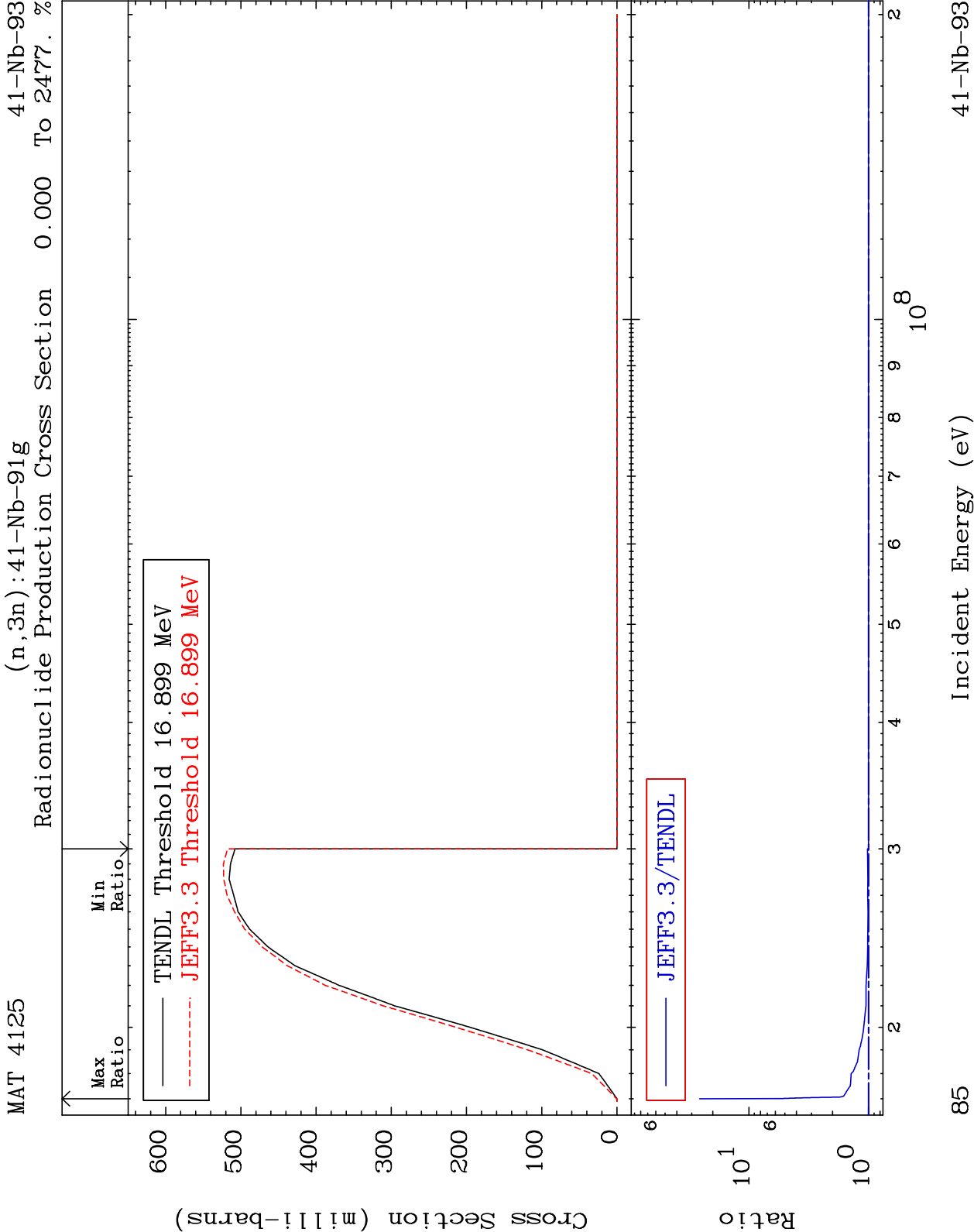
MAT 4125

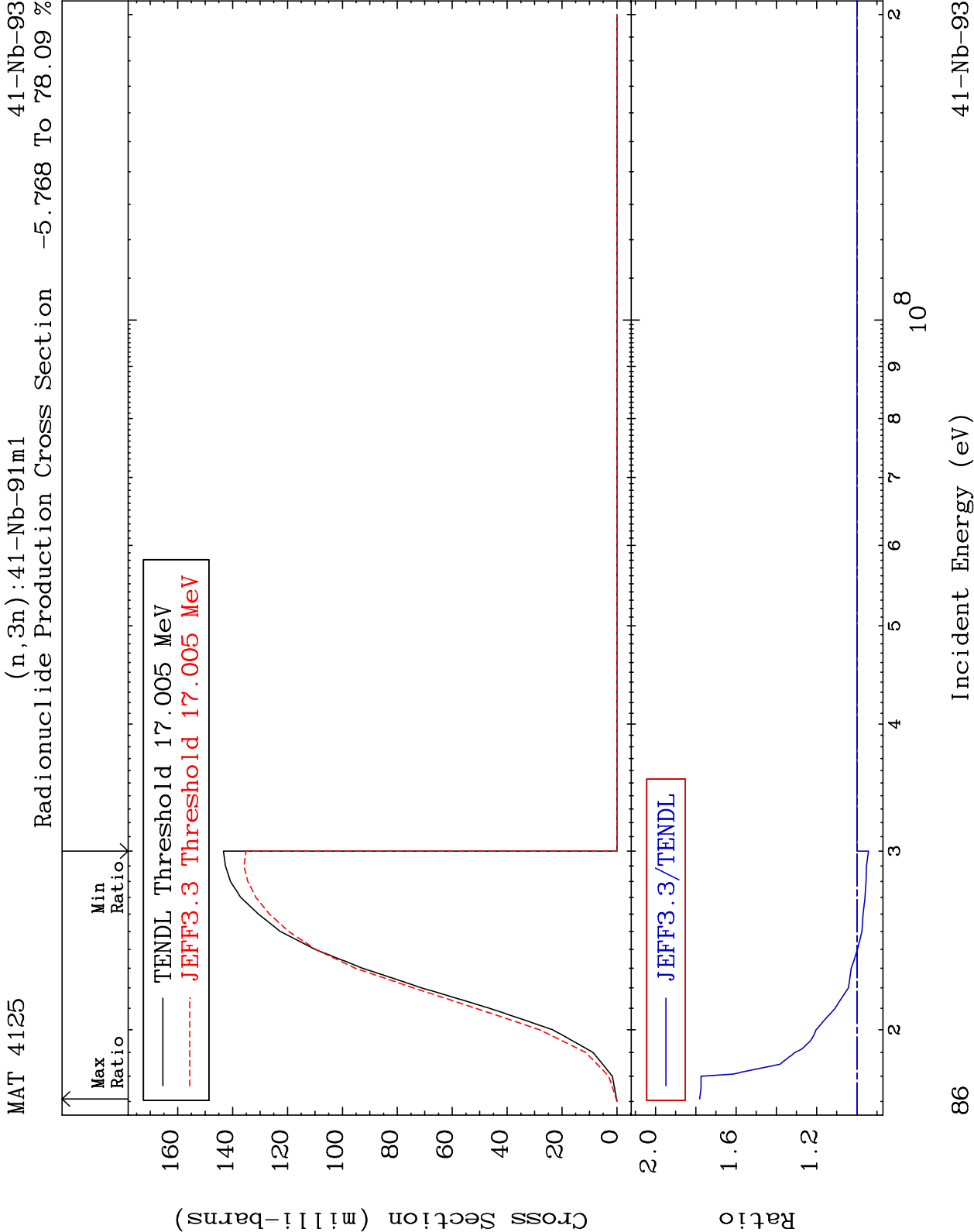
(n,2n):41-Nb-92m1

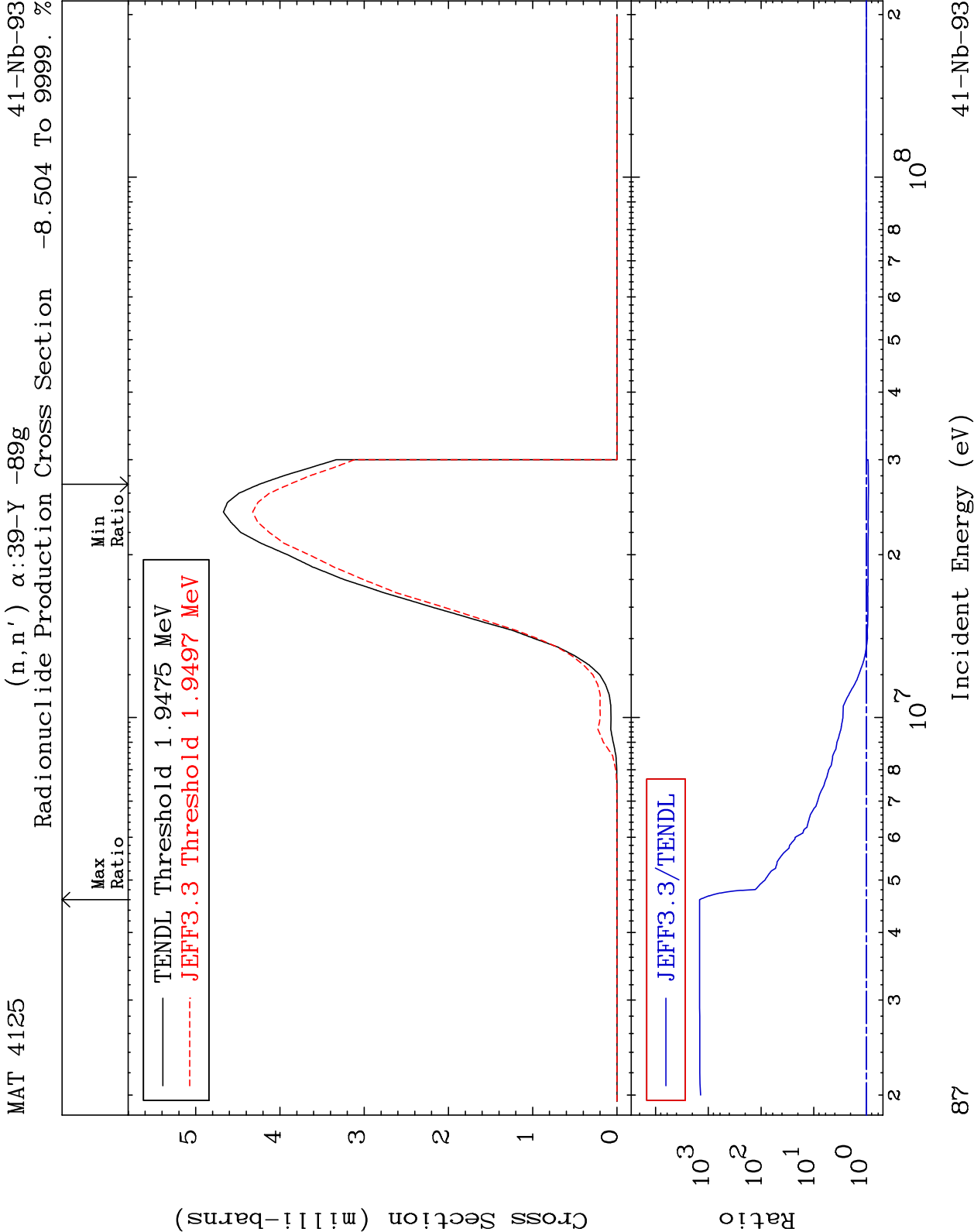
41-Nb-93

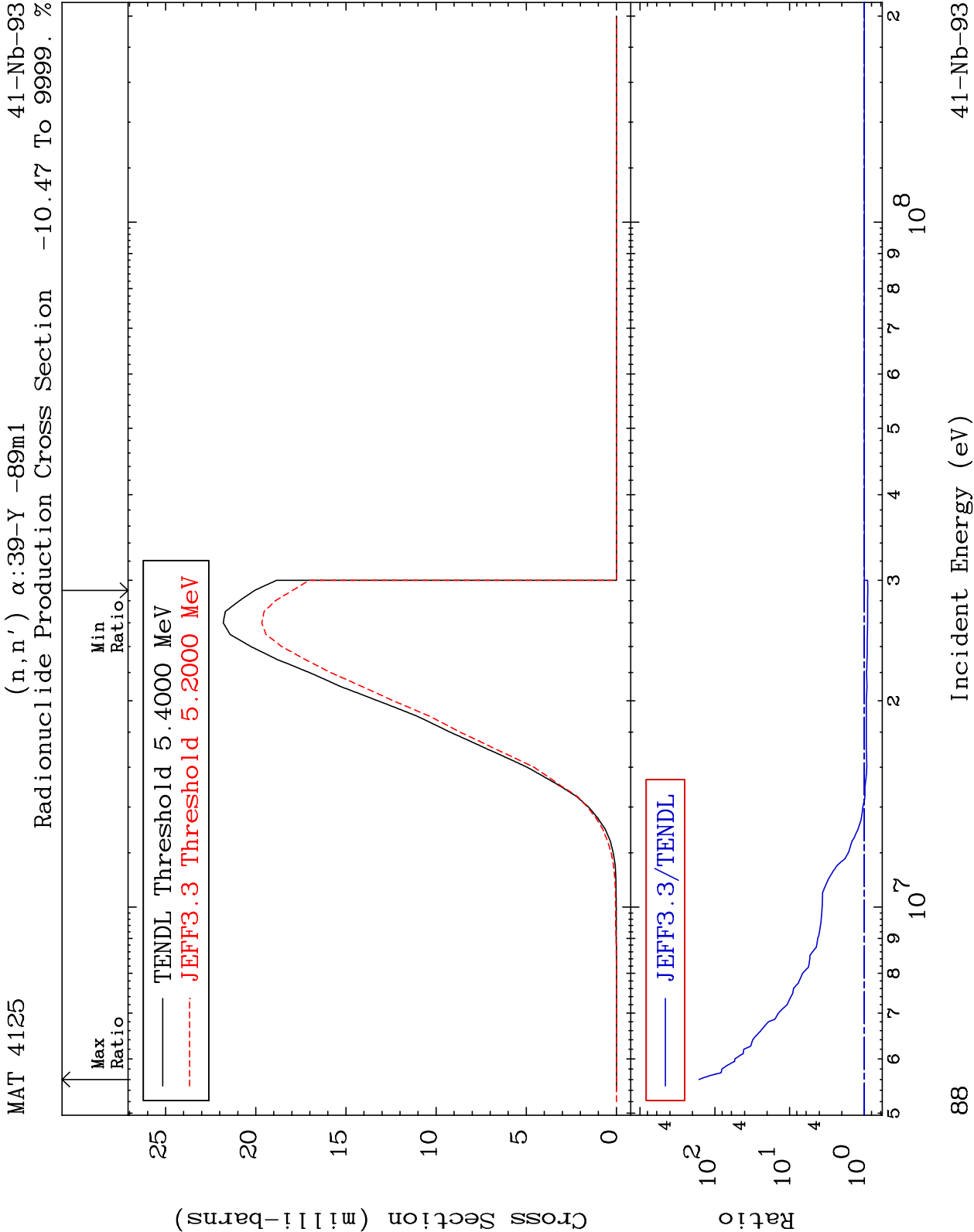
Radionuclide Production Cross Section -2.075 To 1.481 %

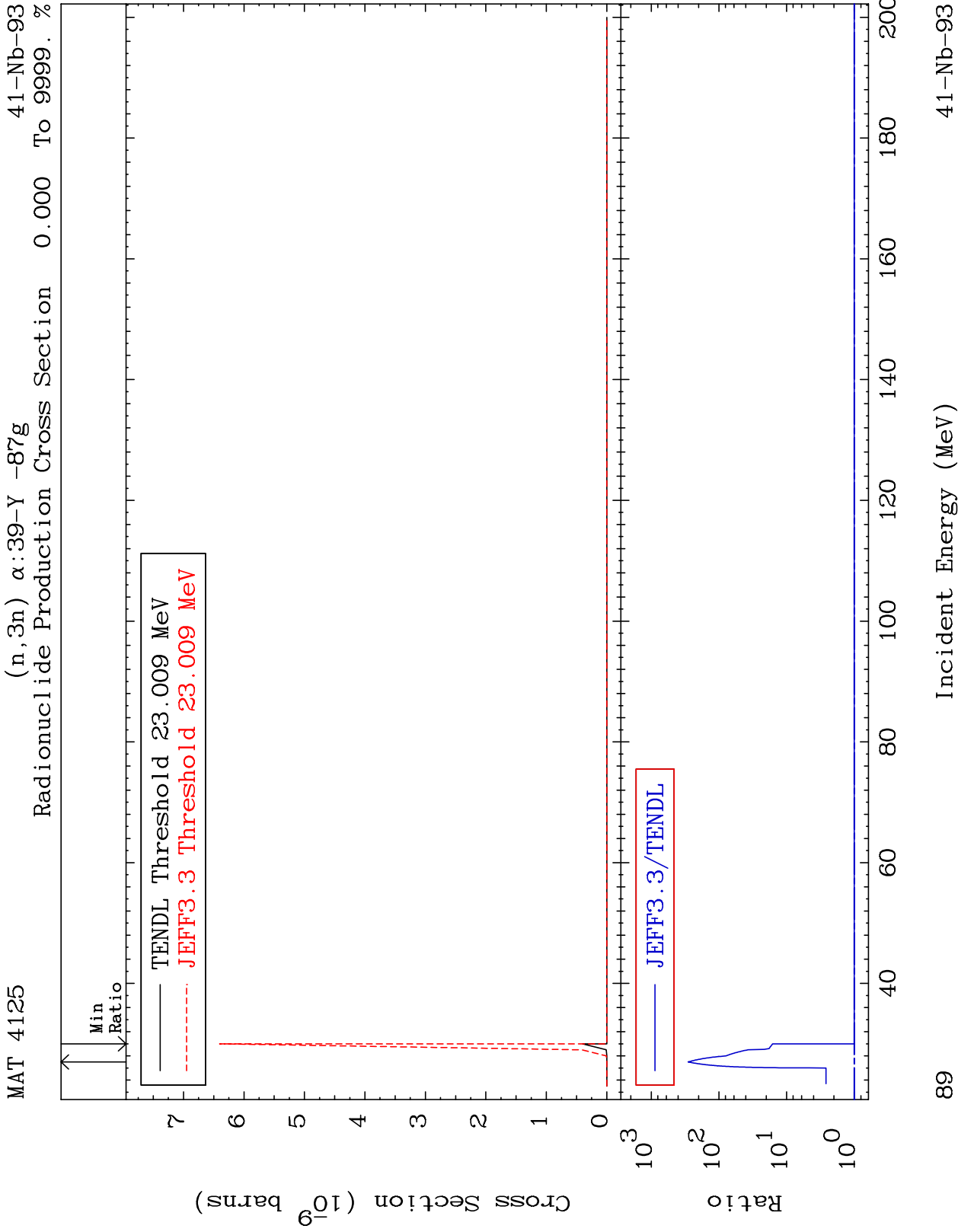


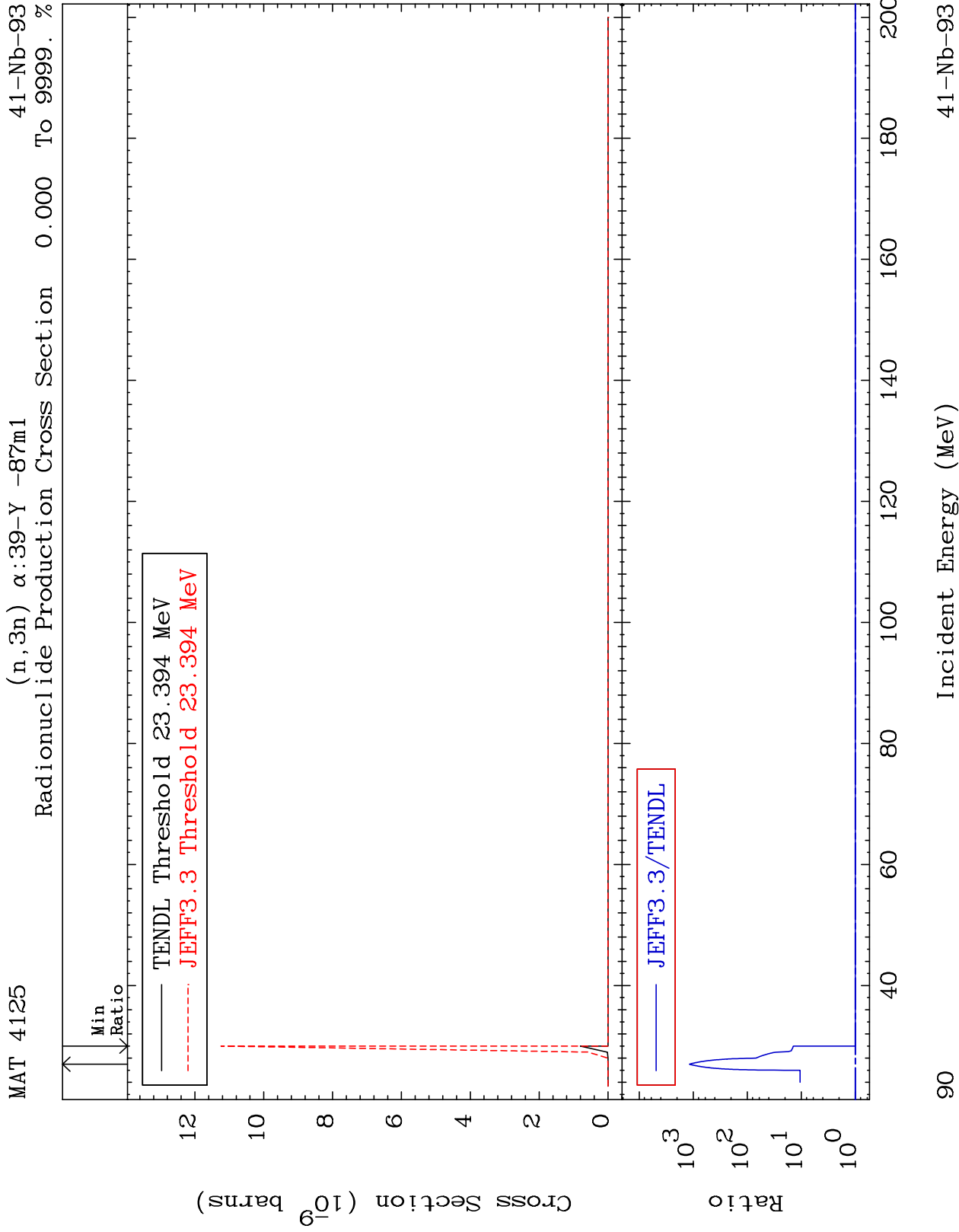


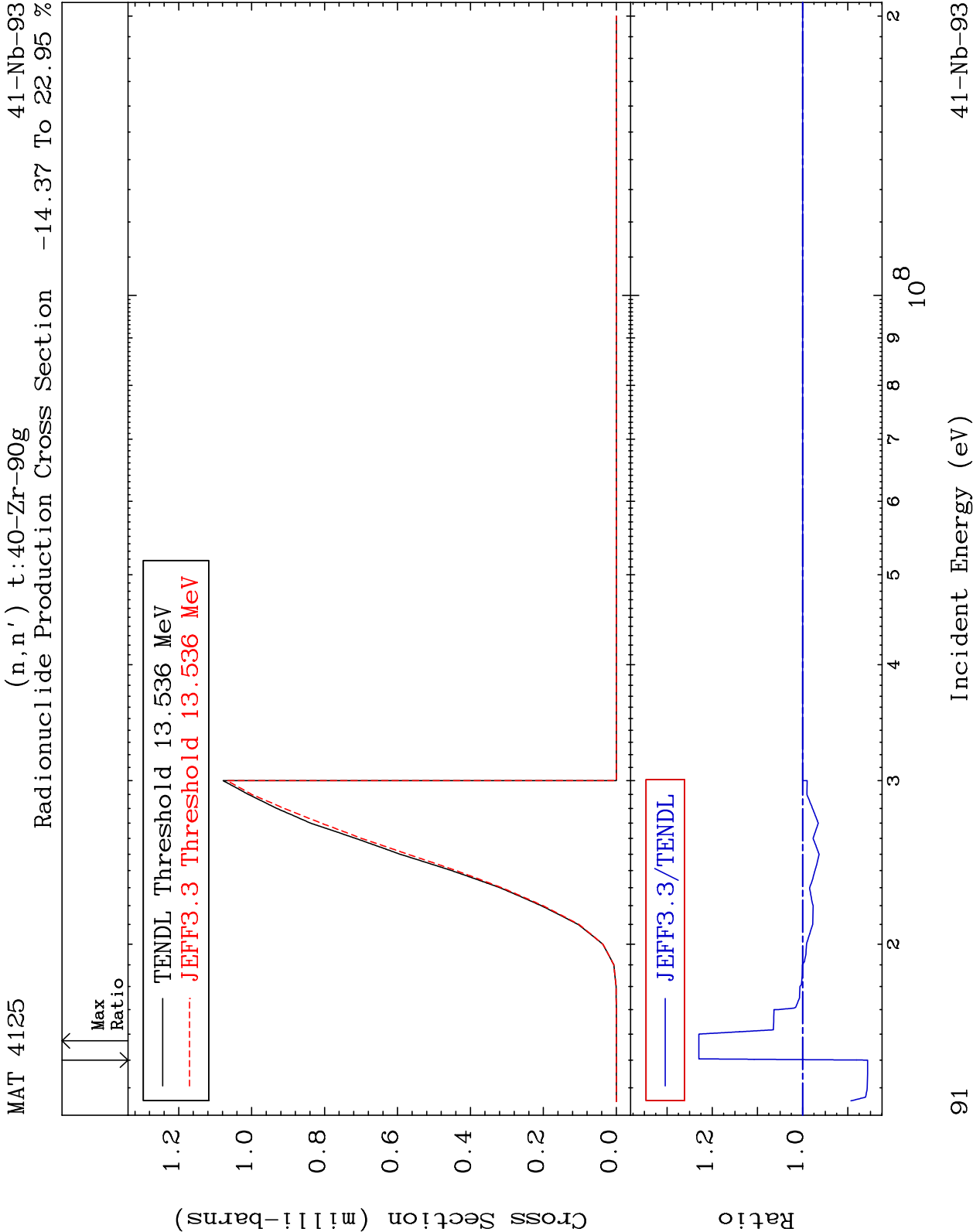


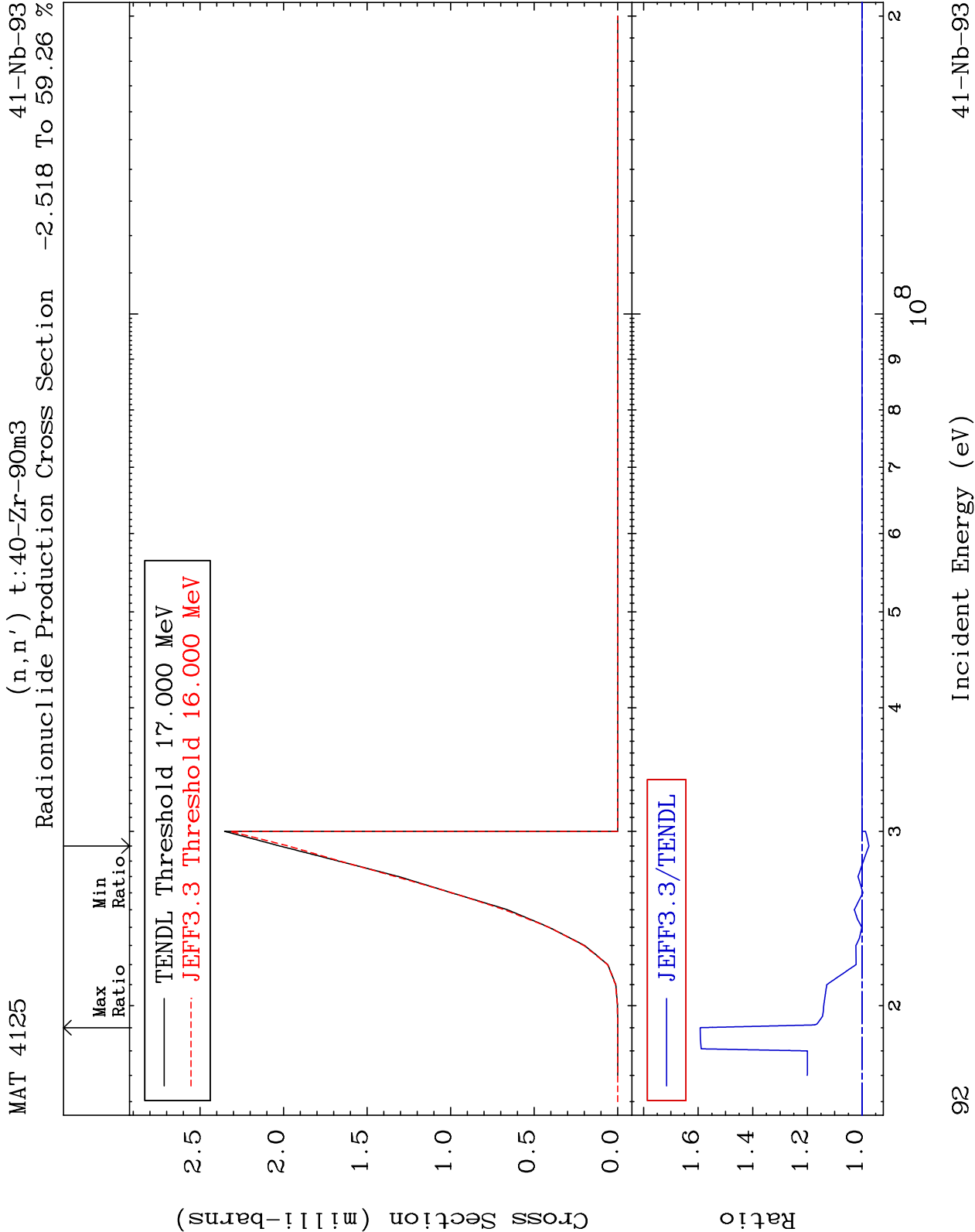


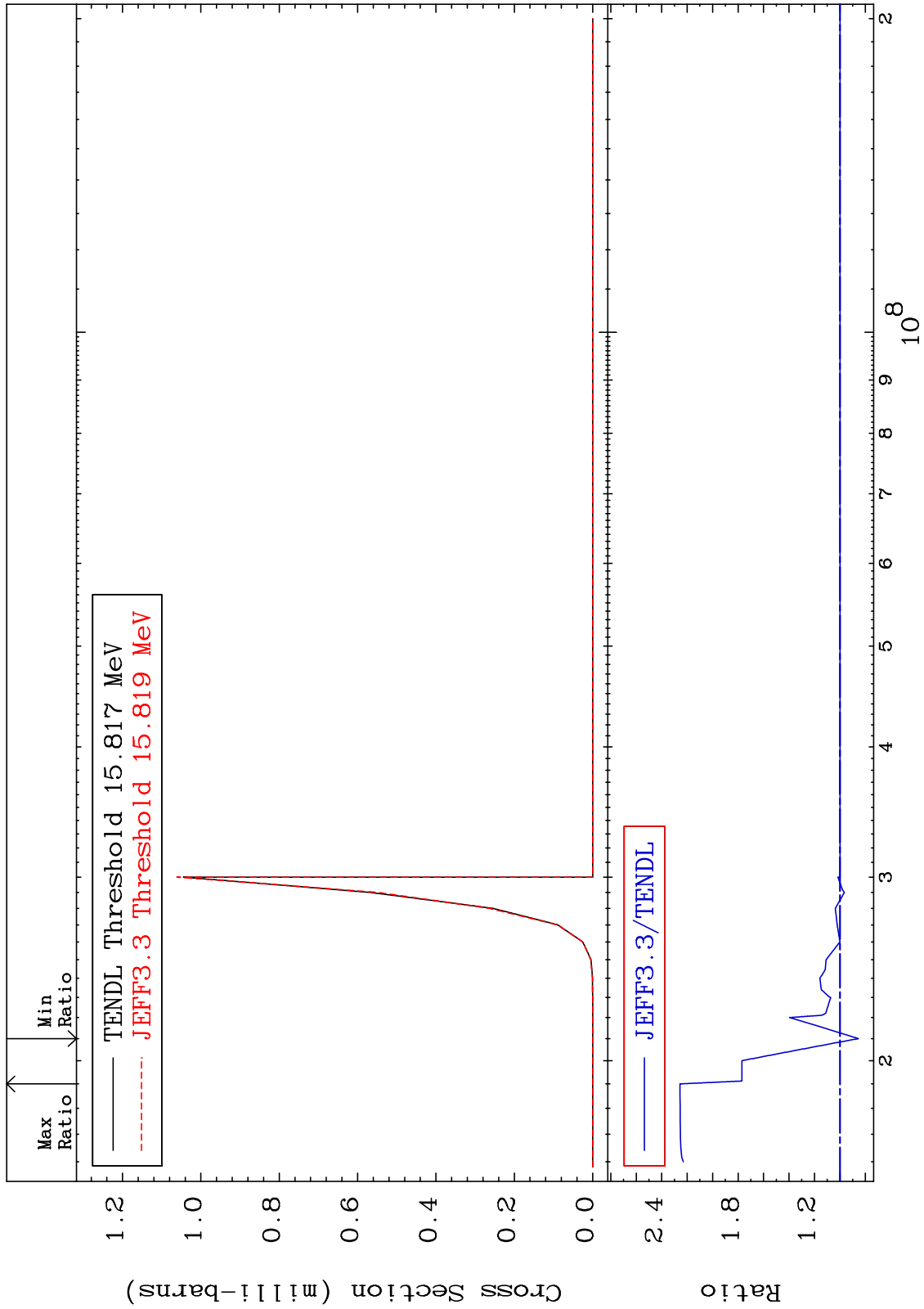


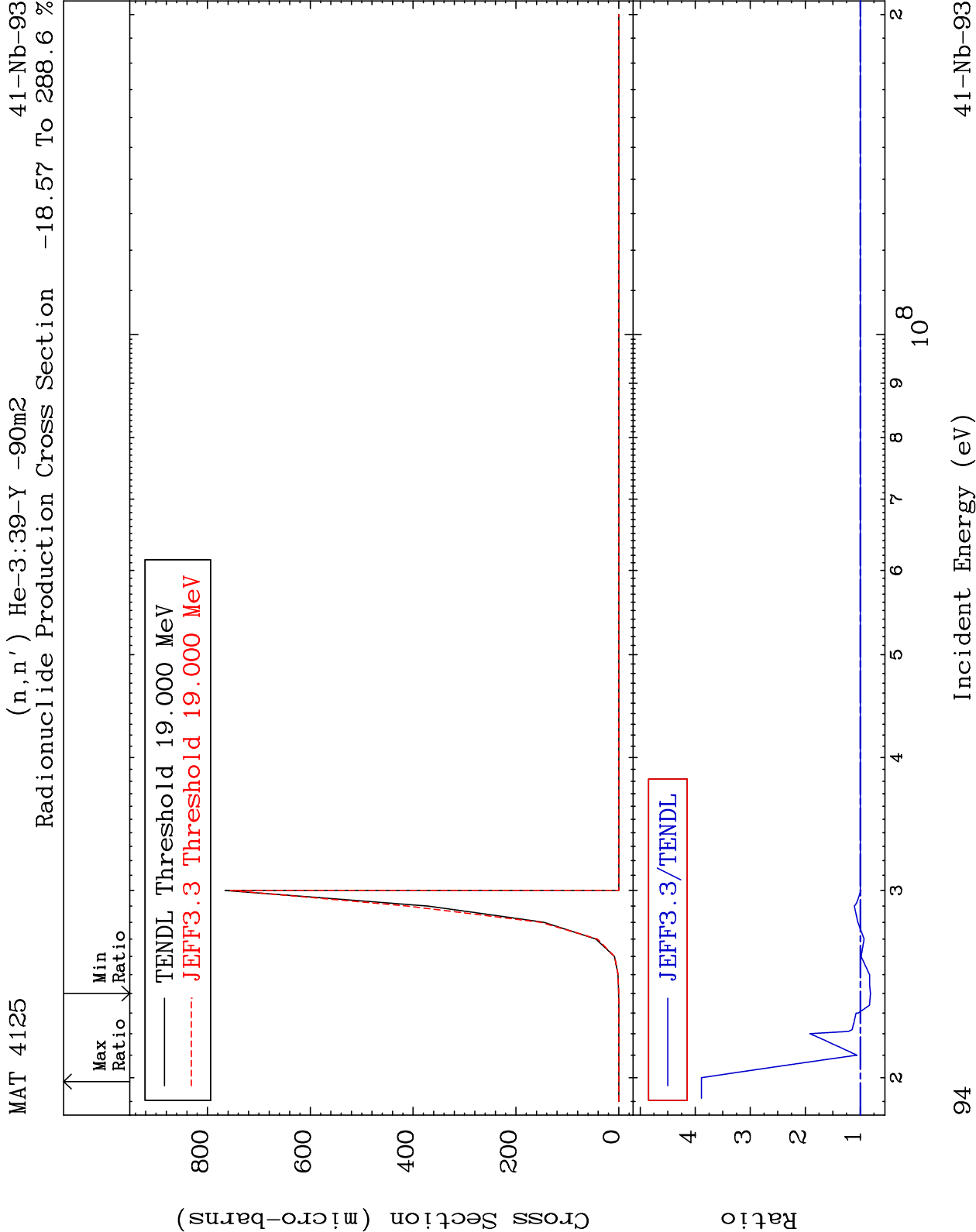


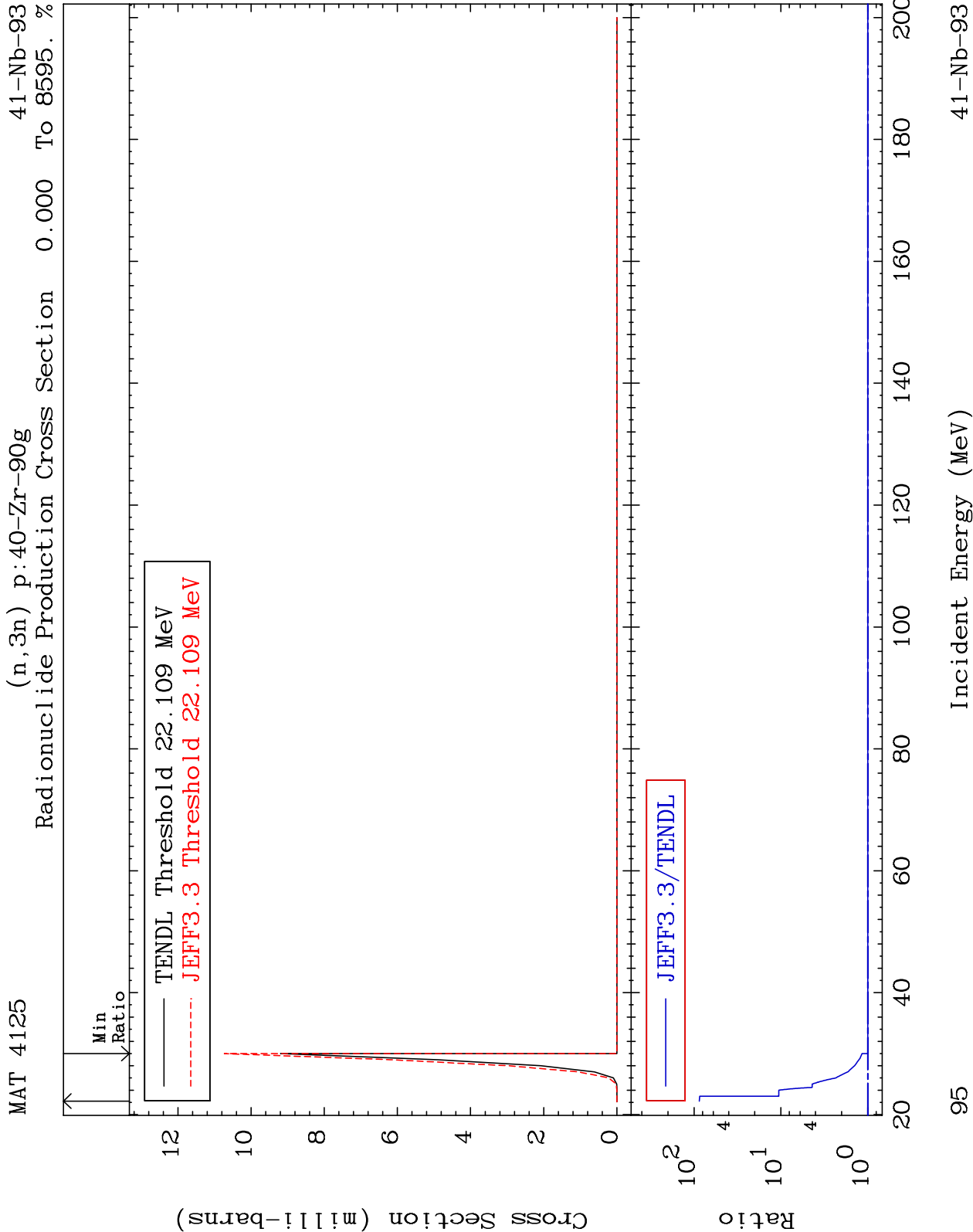


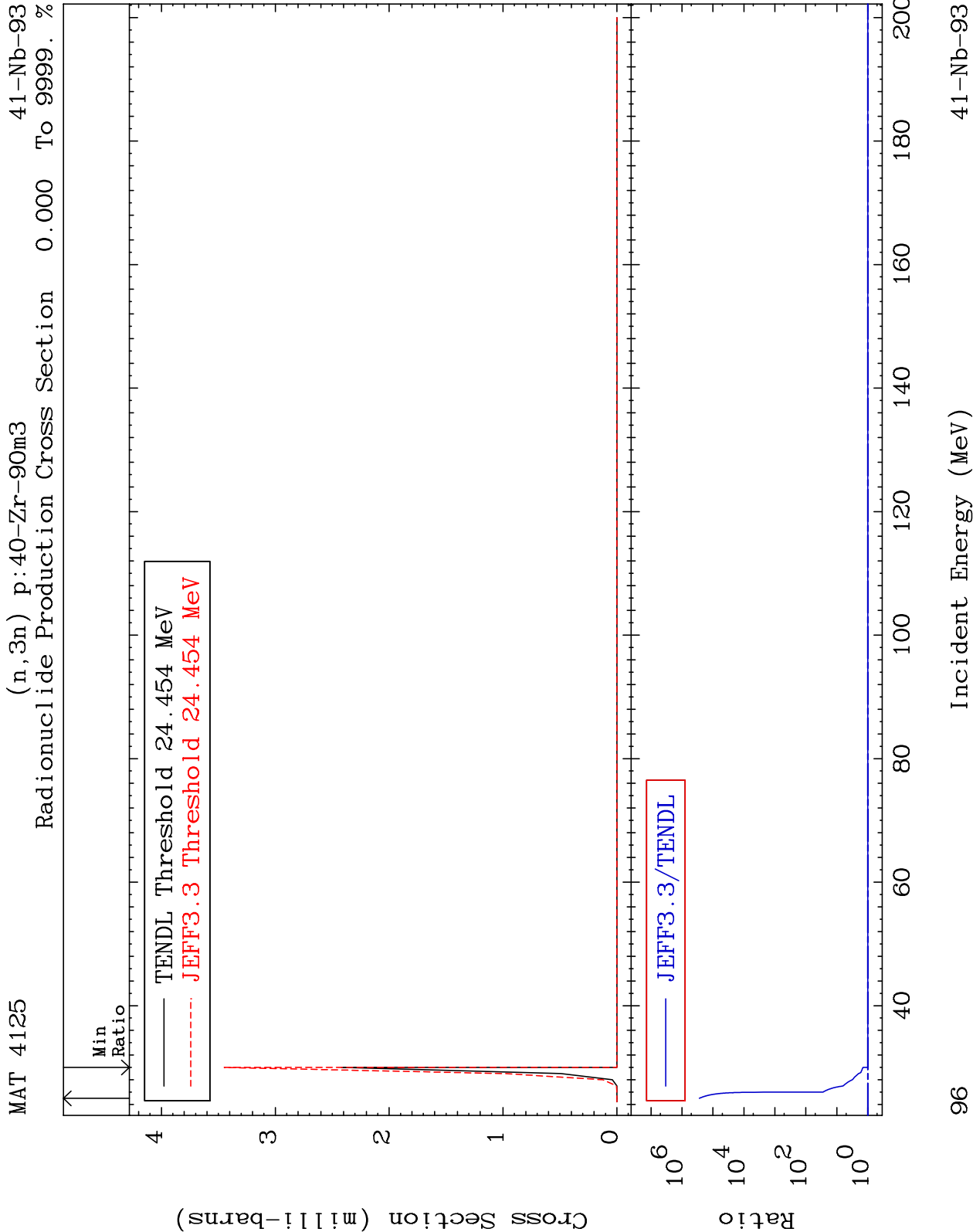


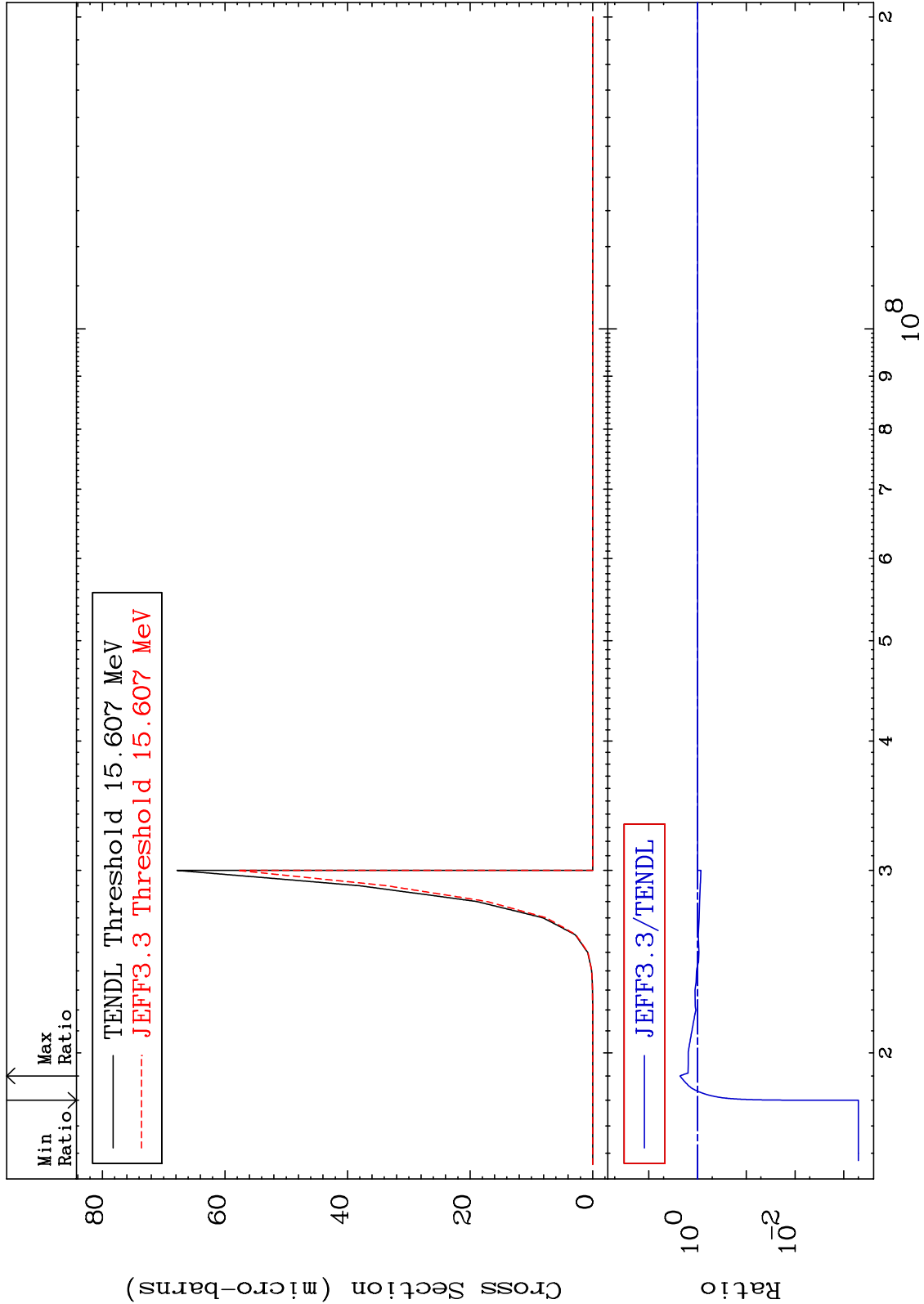


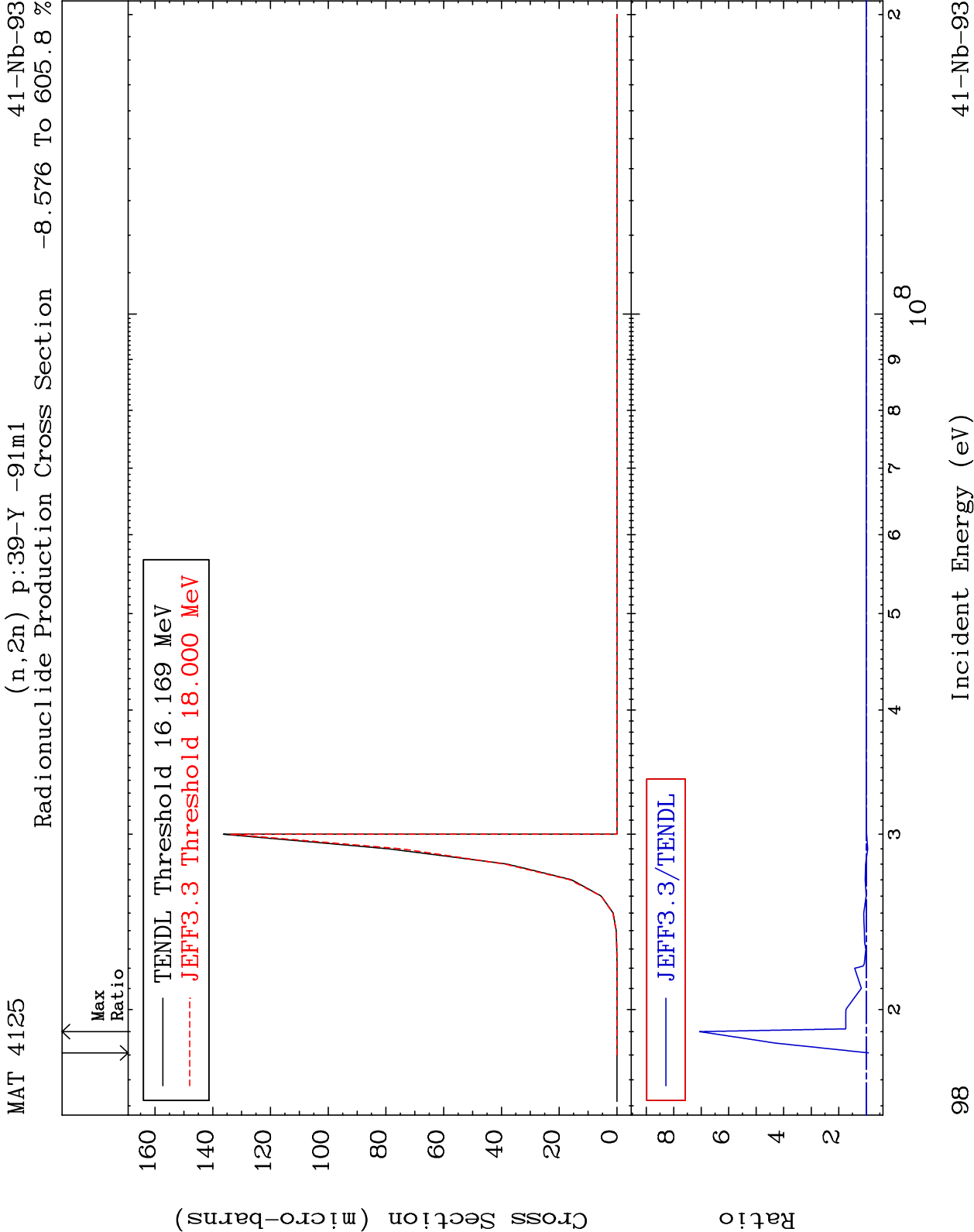










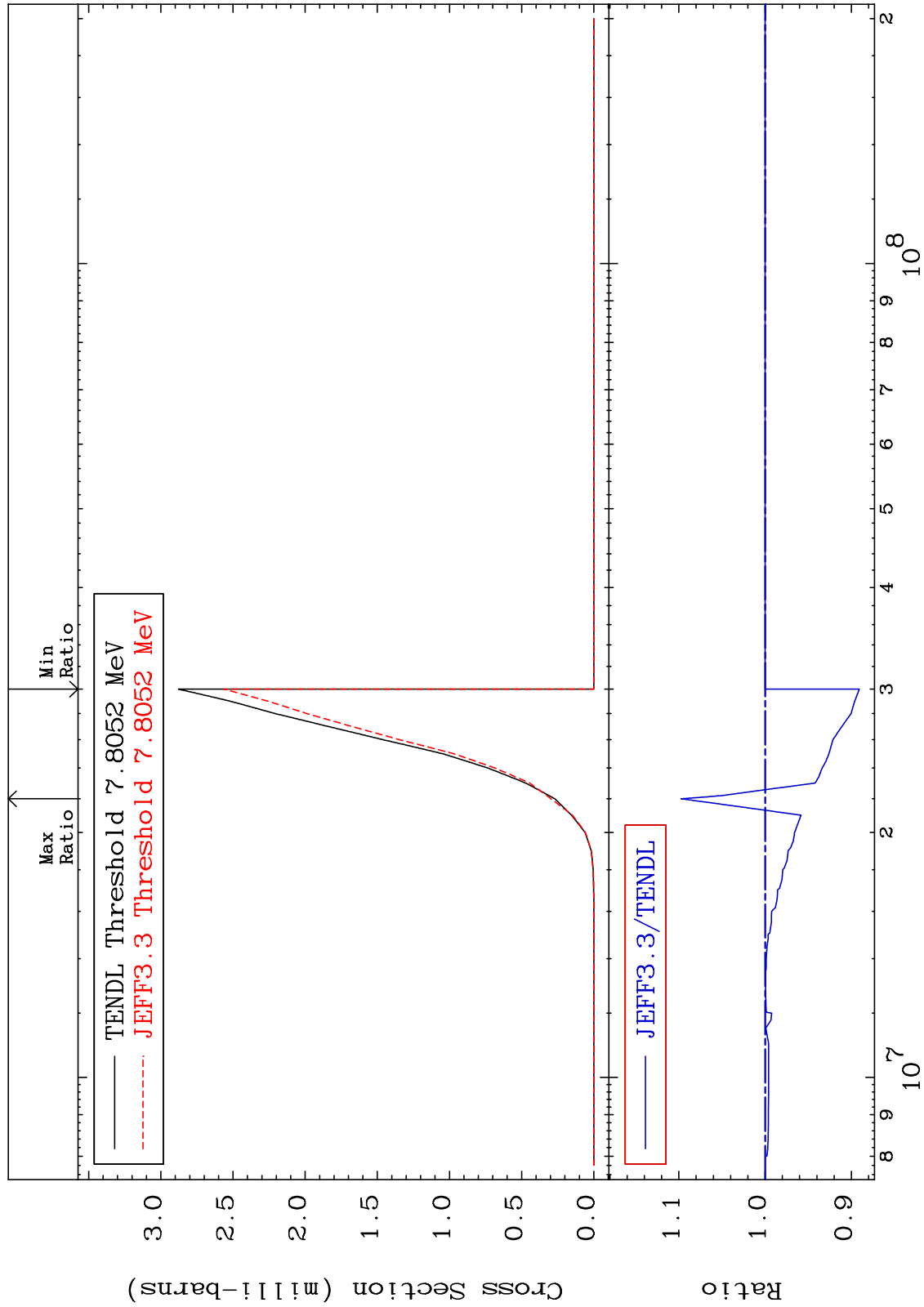


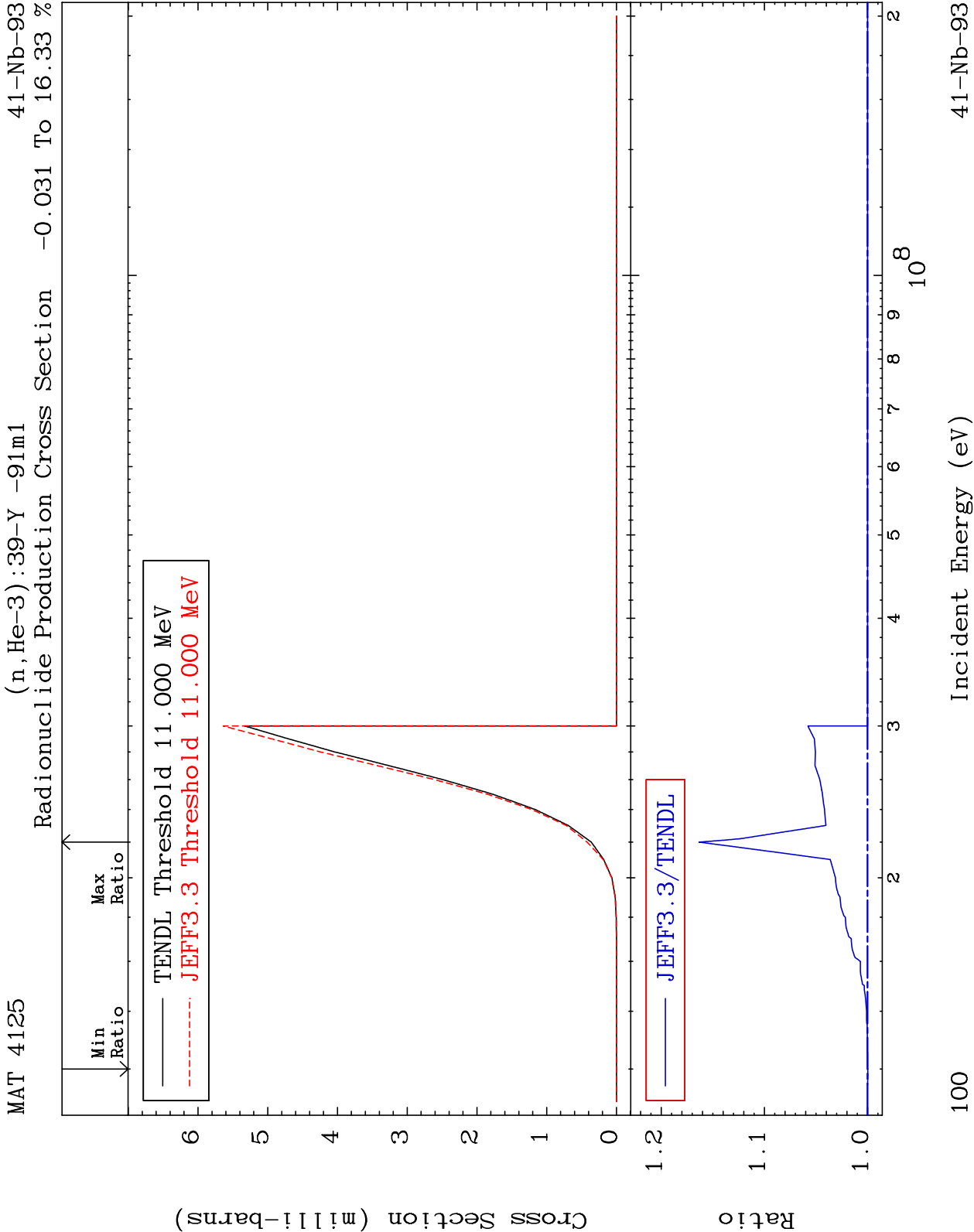
MAT 4125

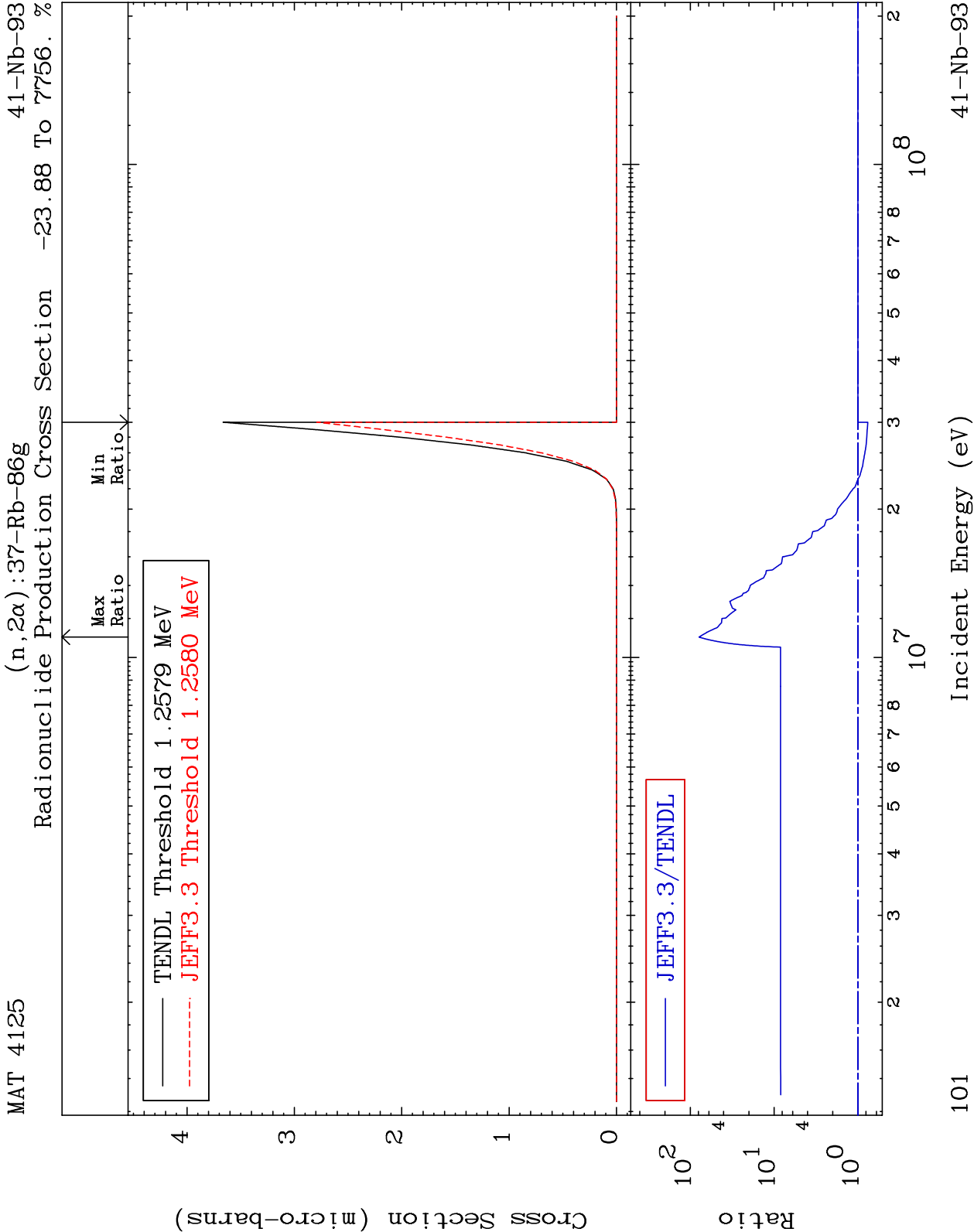
41-Nb-93

(n,He-3):39-Y -91g

Radionuclide Production Cross Section -10.92 To 9.748 %





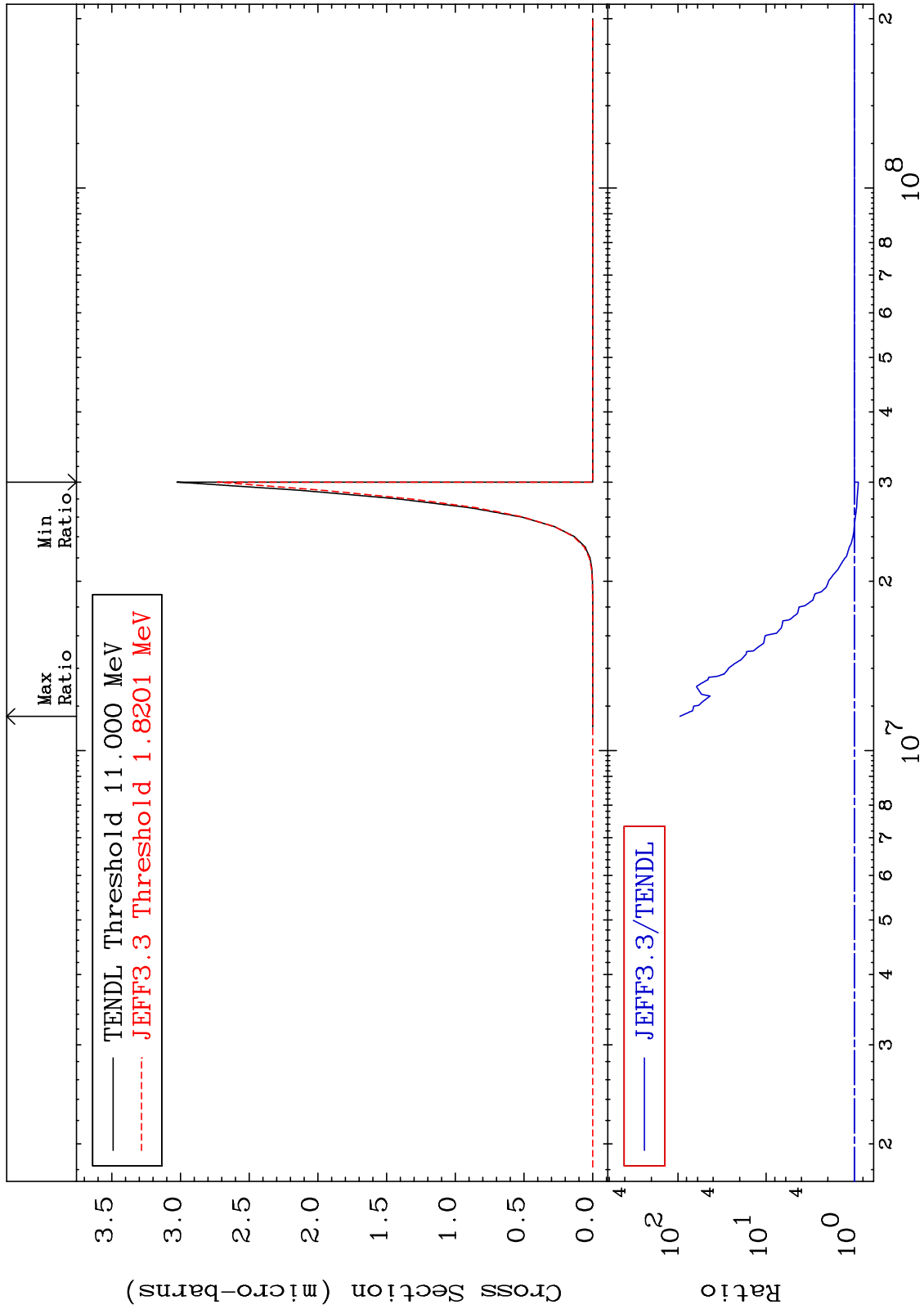


MAT 4125

(n,2α):37-Rb-86m2

41-Nb-93

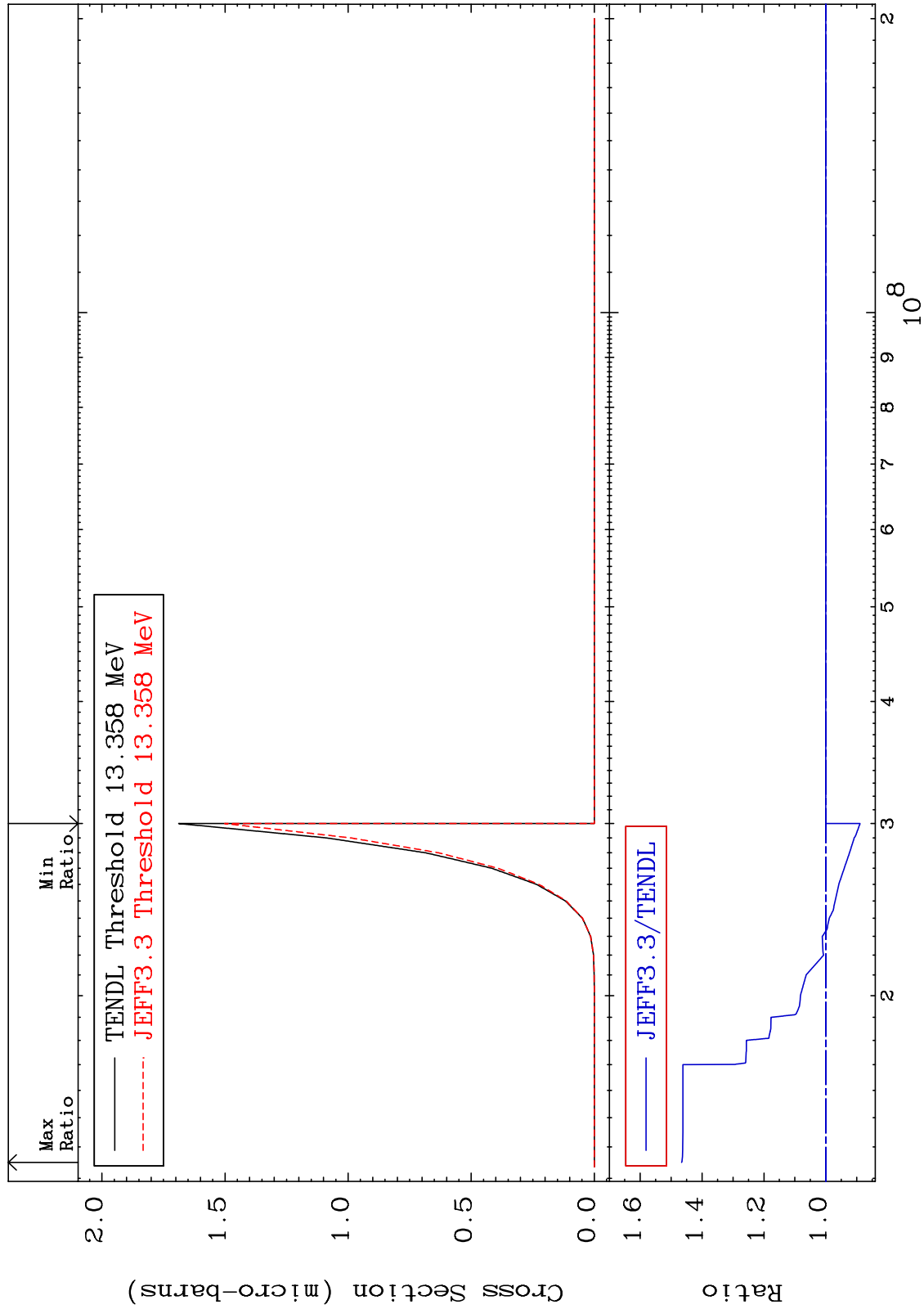
Radionuclide Production Cross Section -9.757 To 9372. %

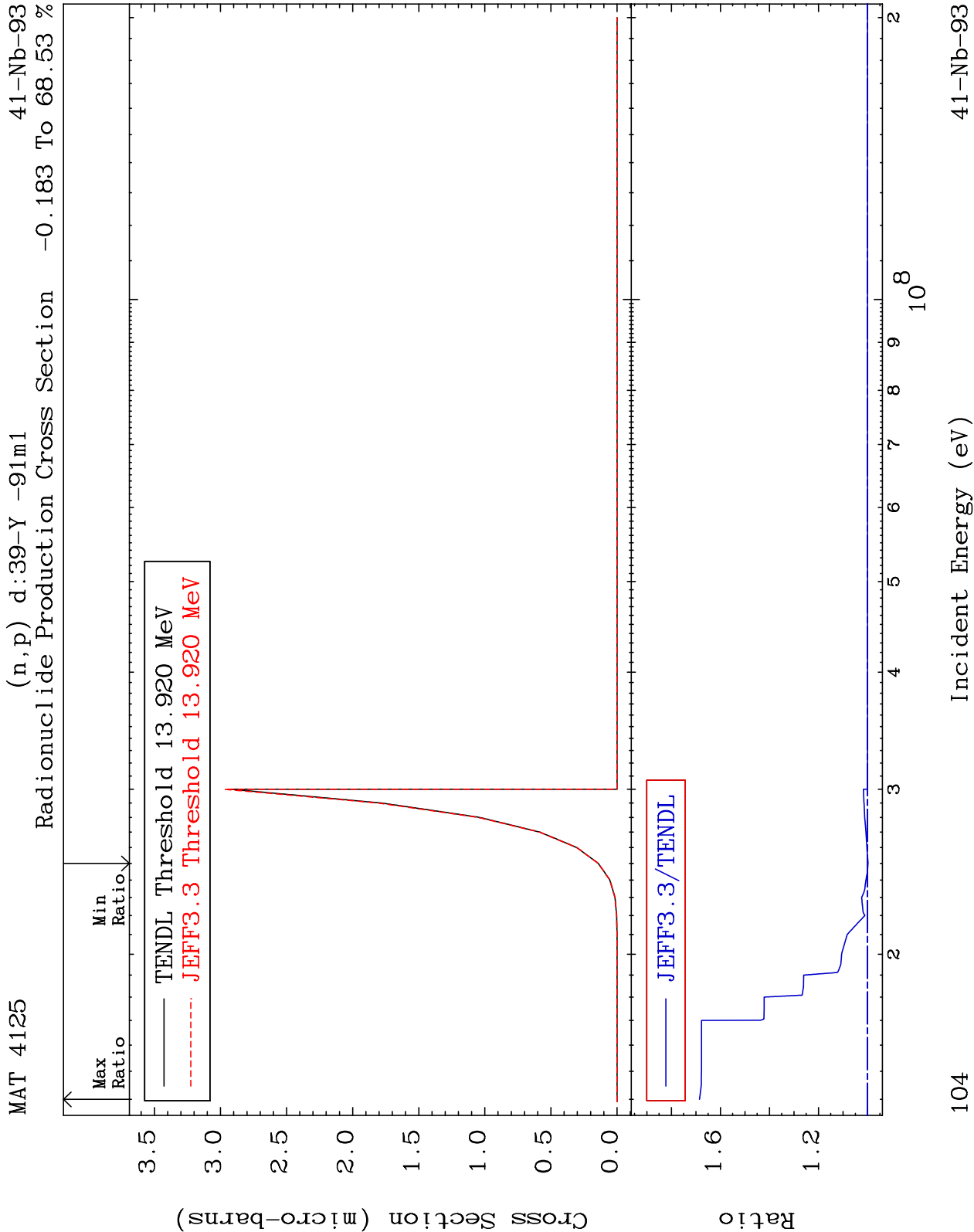


102

Incident Energy (eV)

41-Nb-93



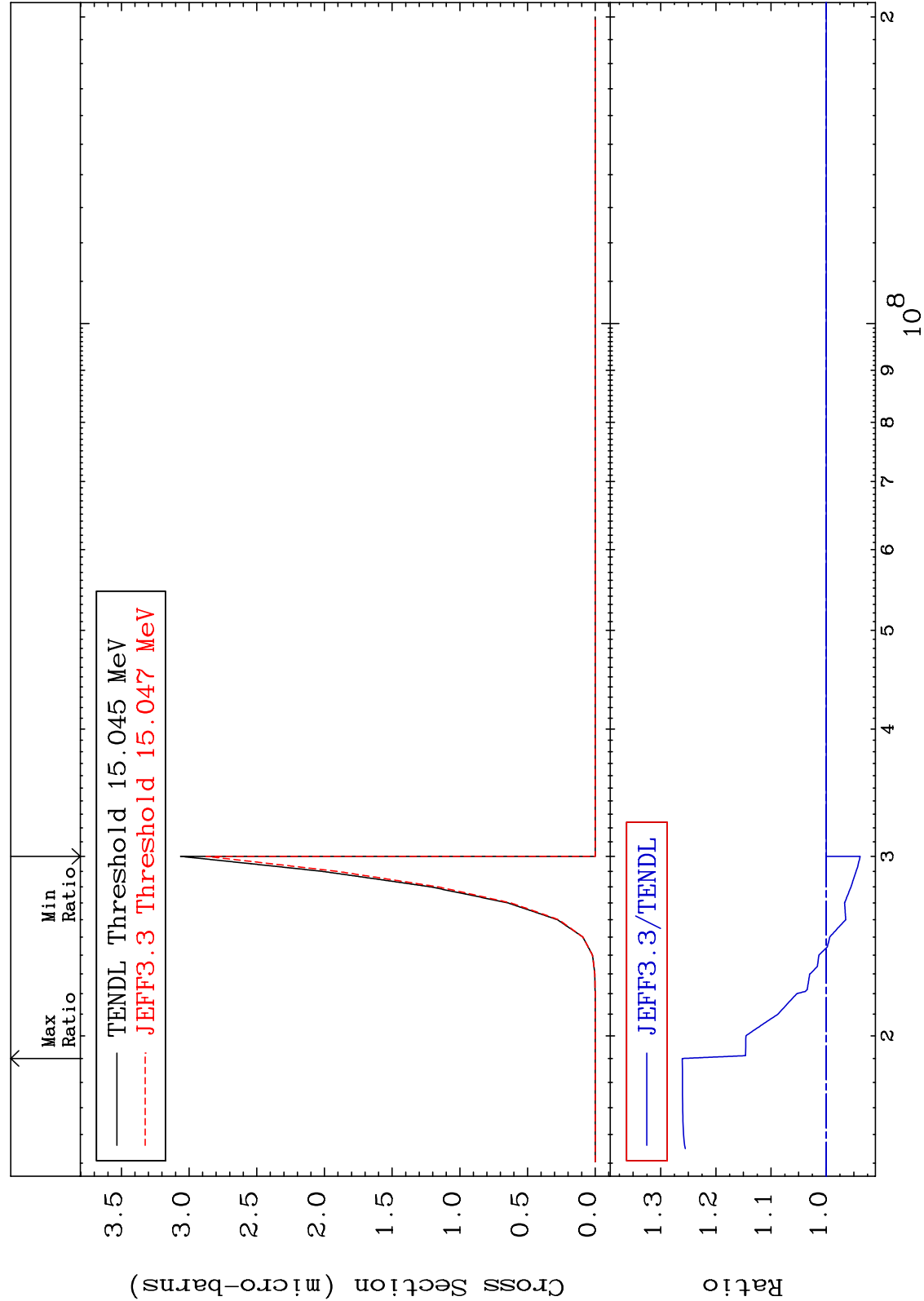


MAT 4125

41-Nb-93

(n,p) t:39-Y -90g

Radionuclide Production Cross Section -6.165 To 26.08 %



105

Incident Energy (eV)

41-Nb-93

