

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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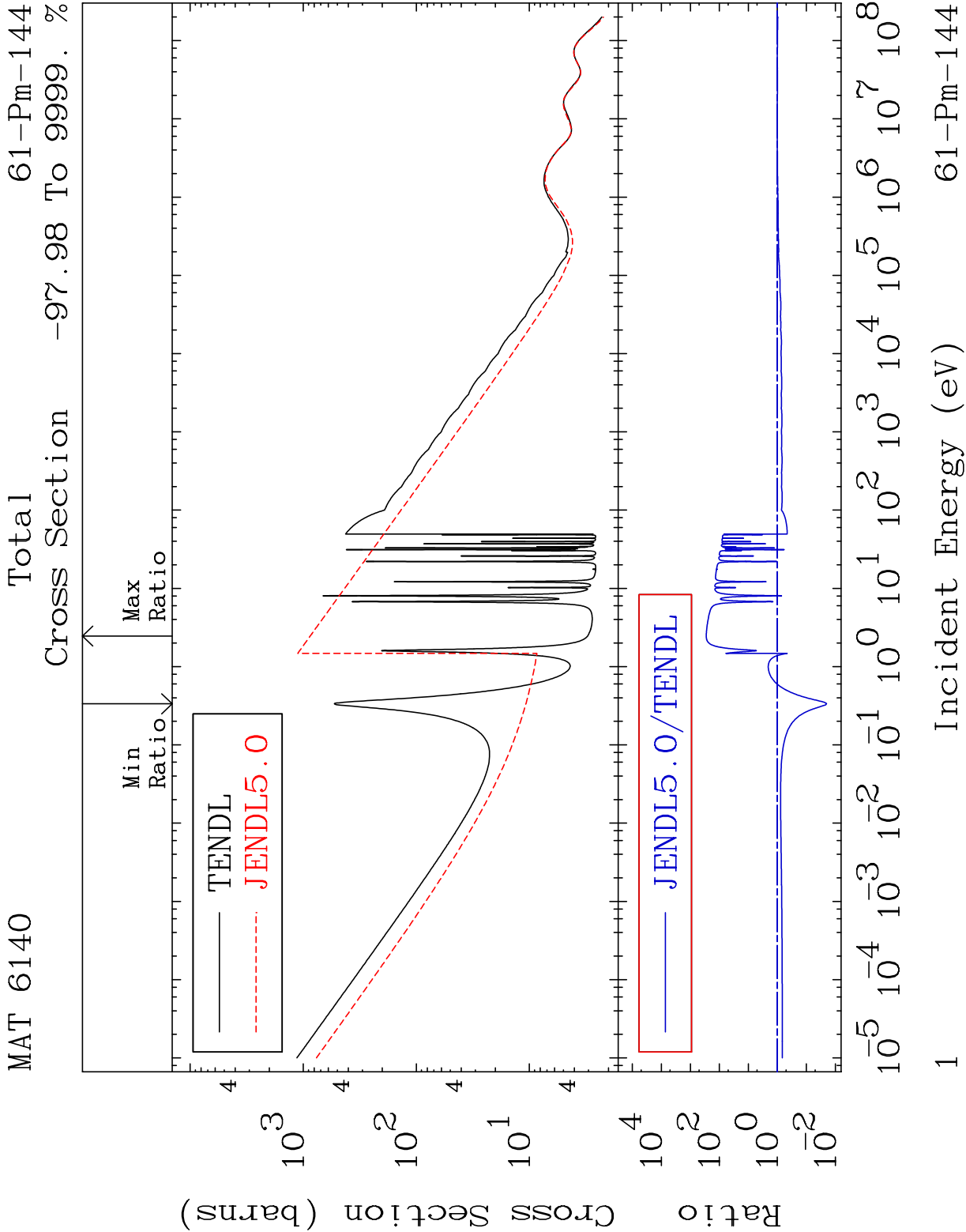
U.S.A.

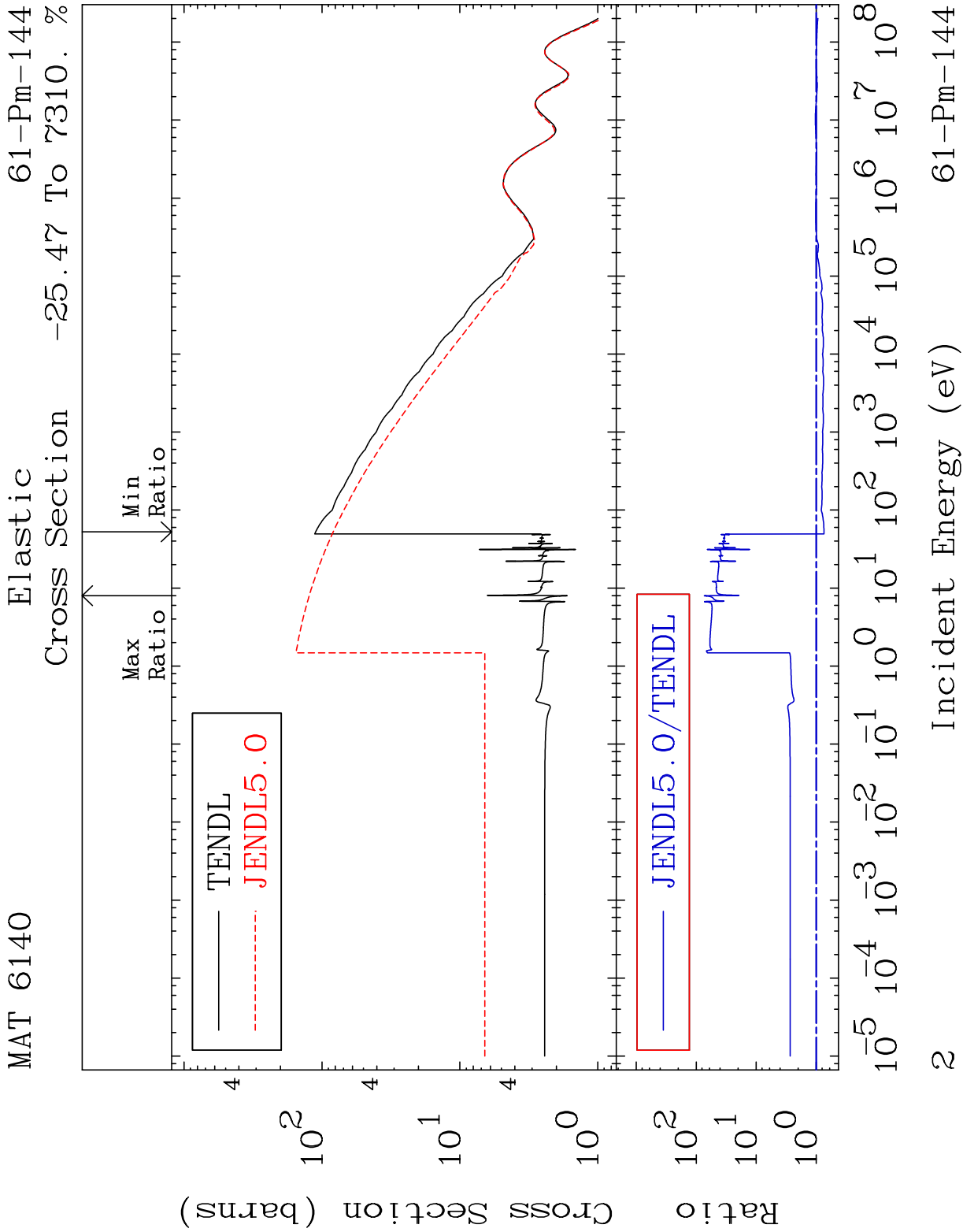
Tele: 925-443-1911

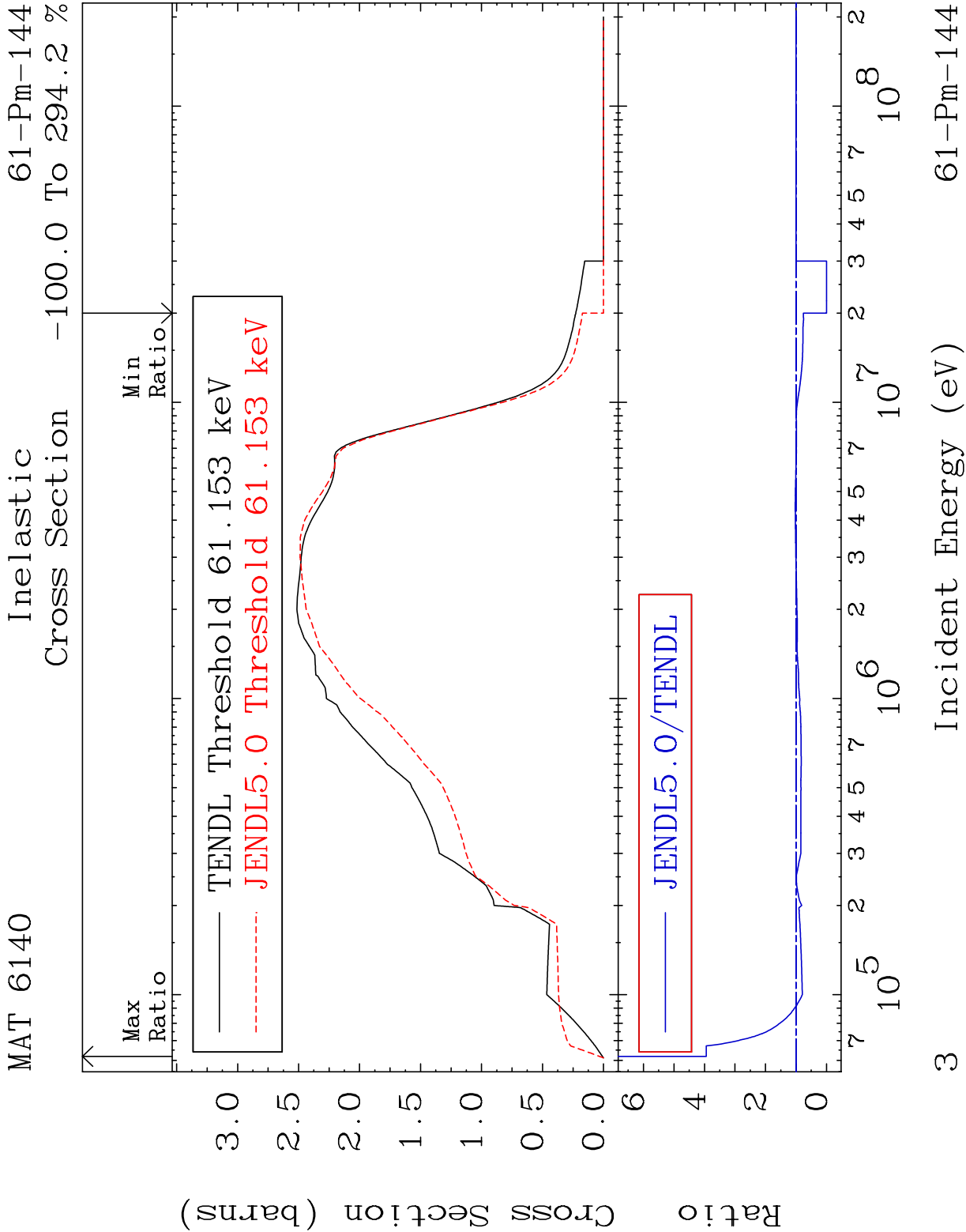
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

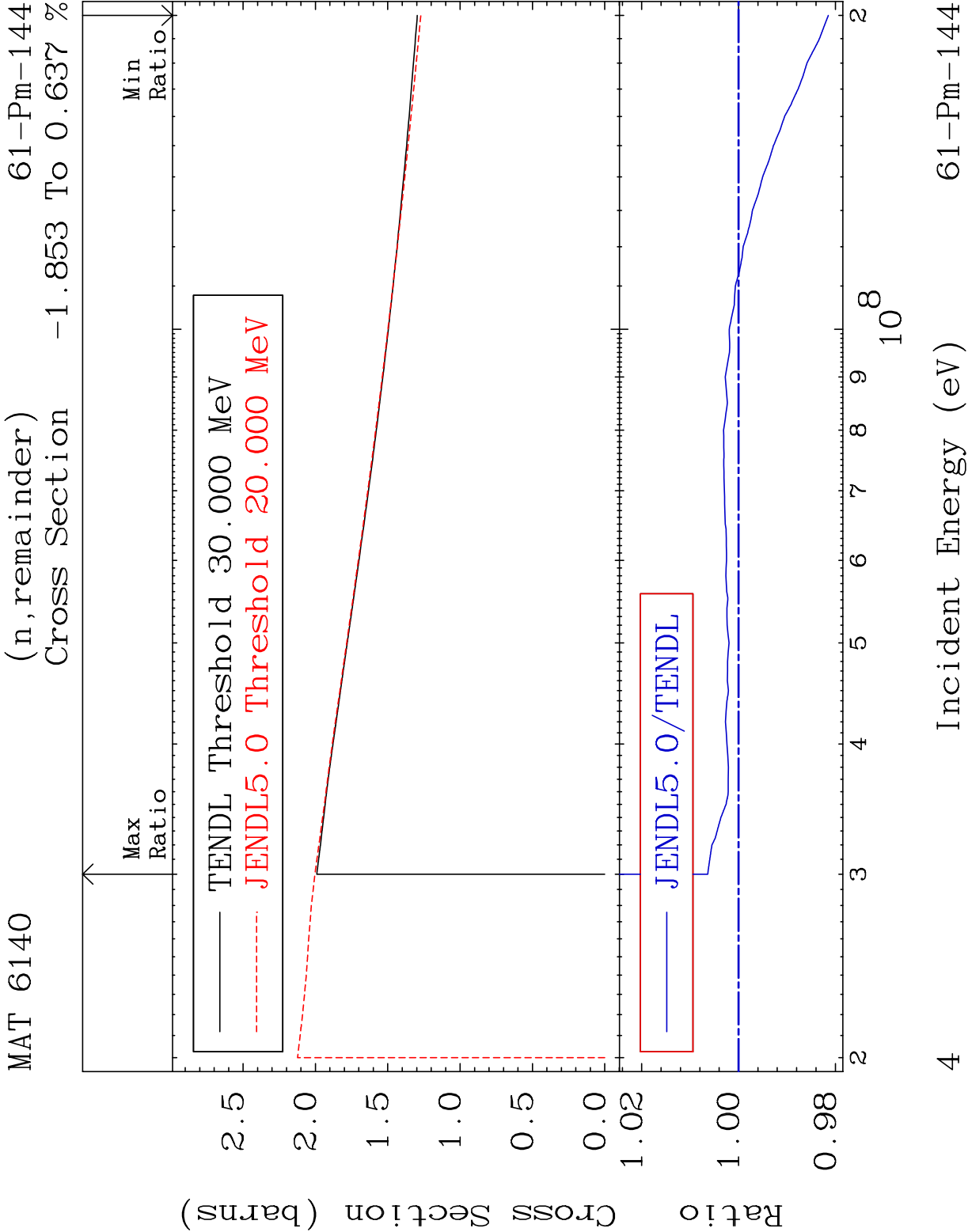
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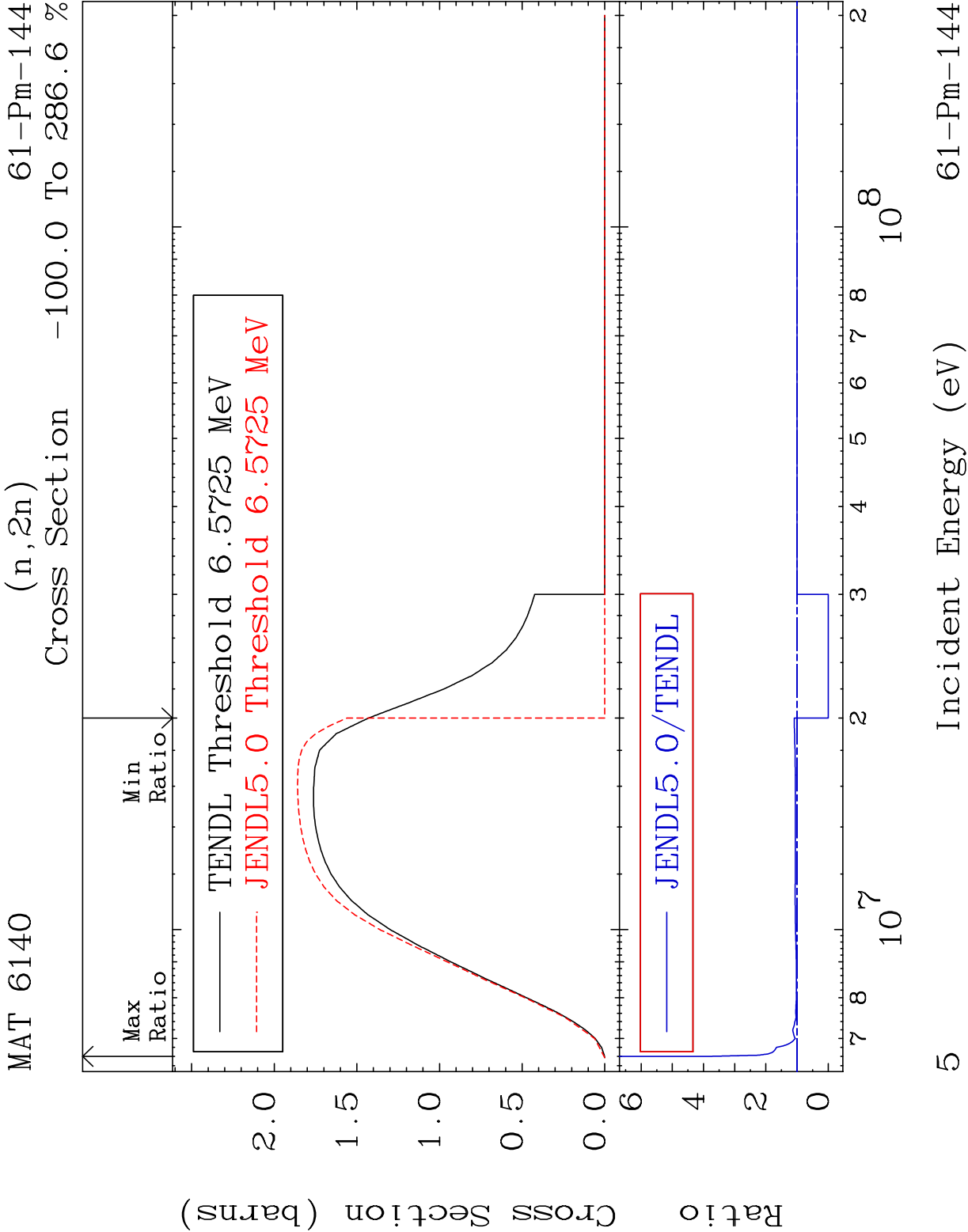
Press Mouse Button to Start

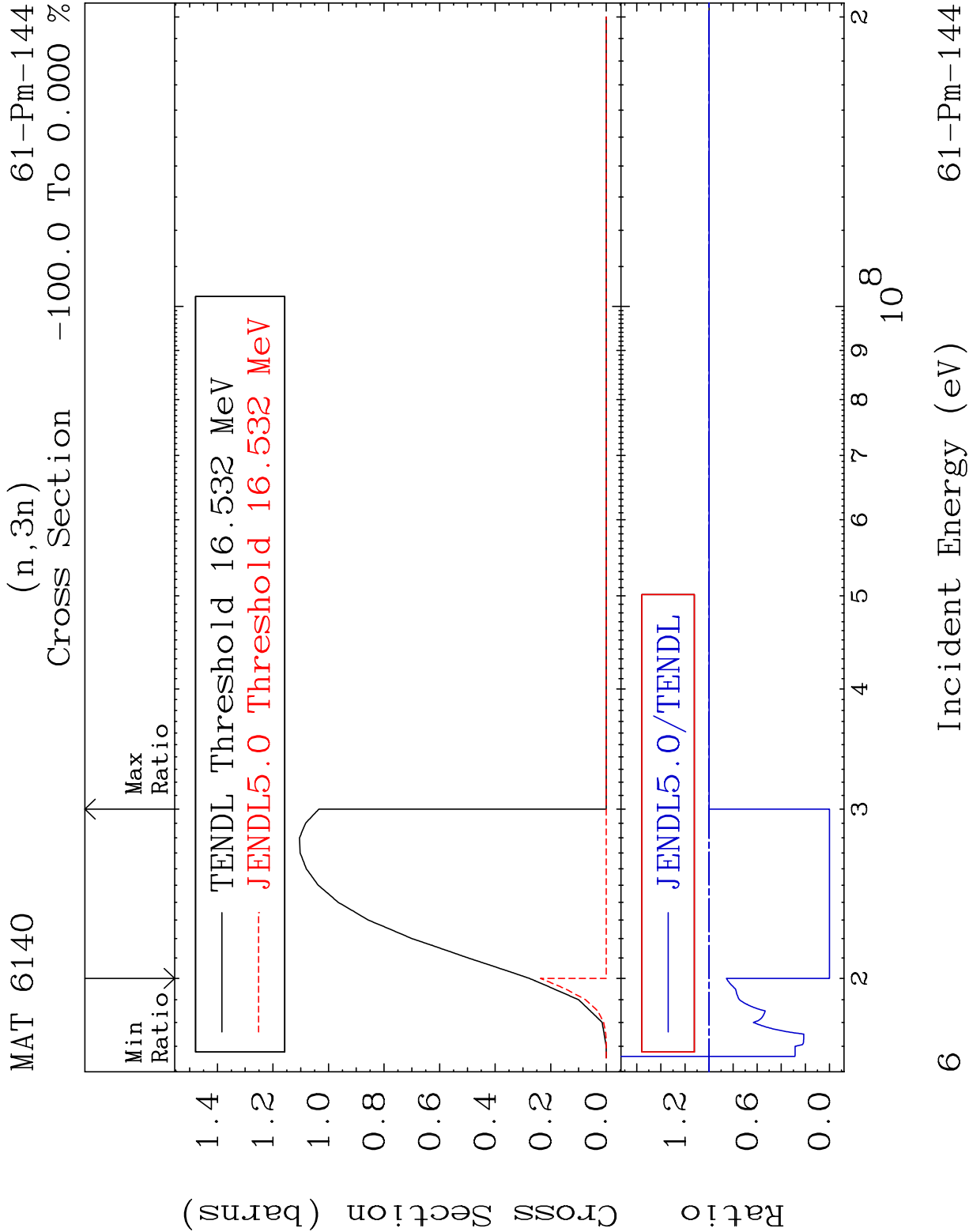


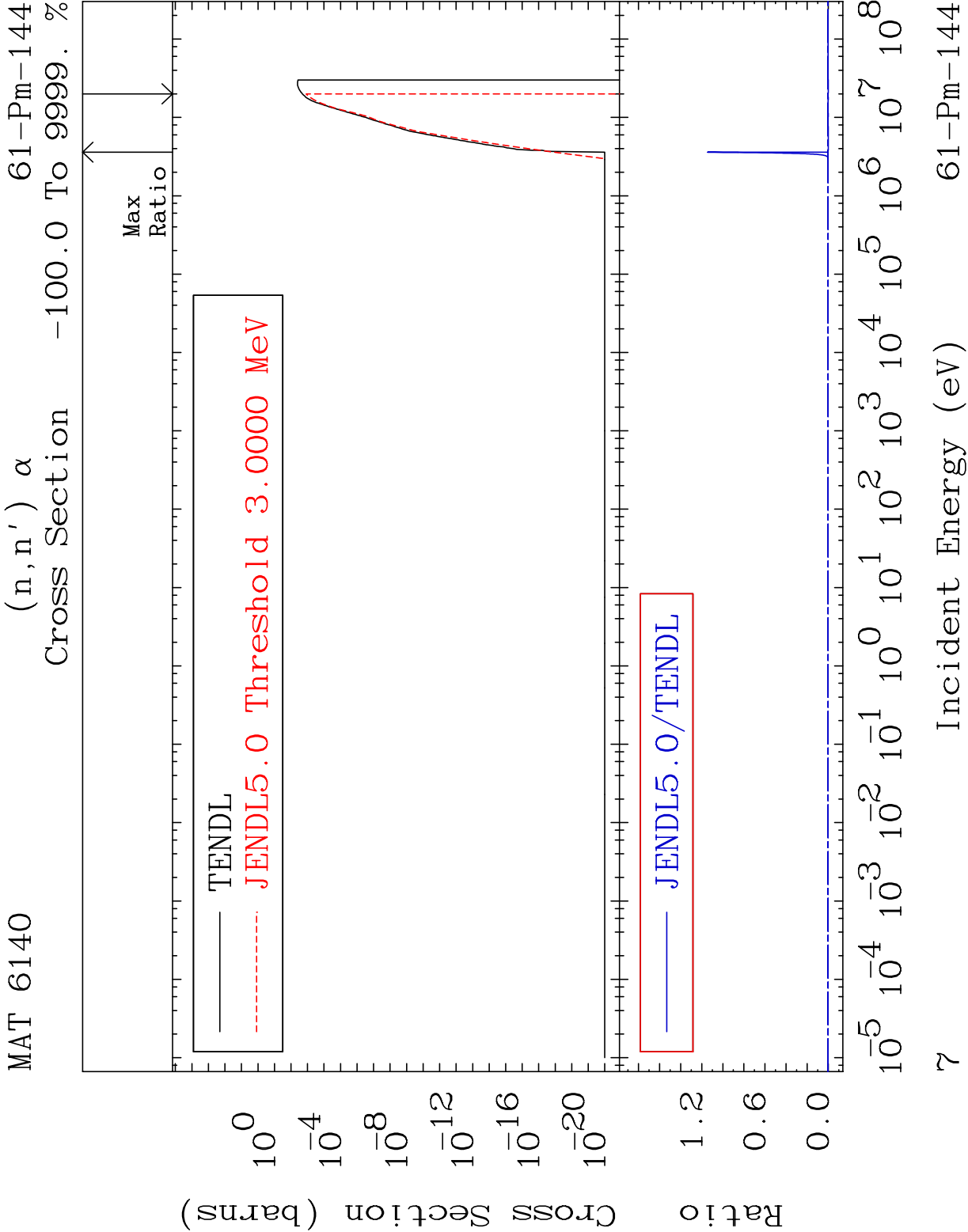


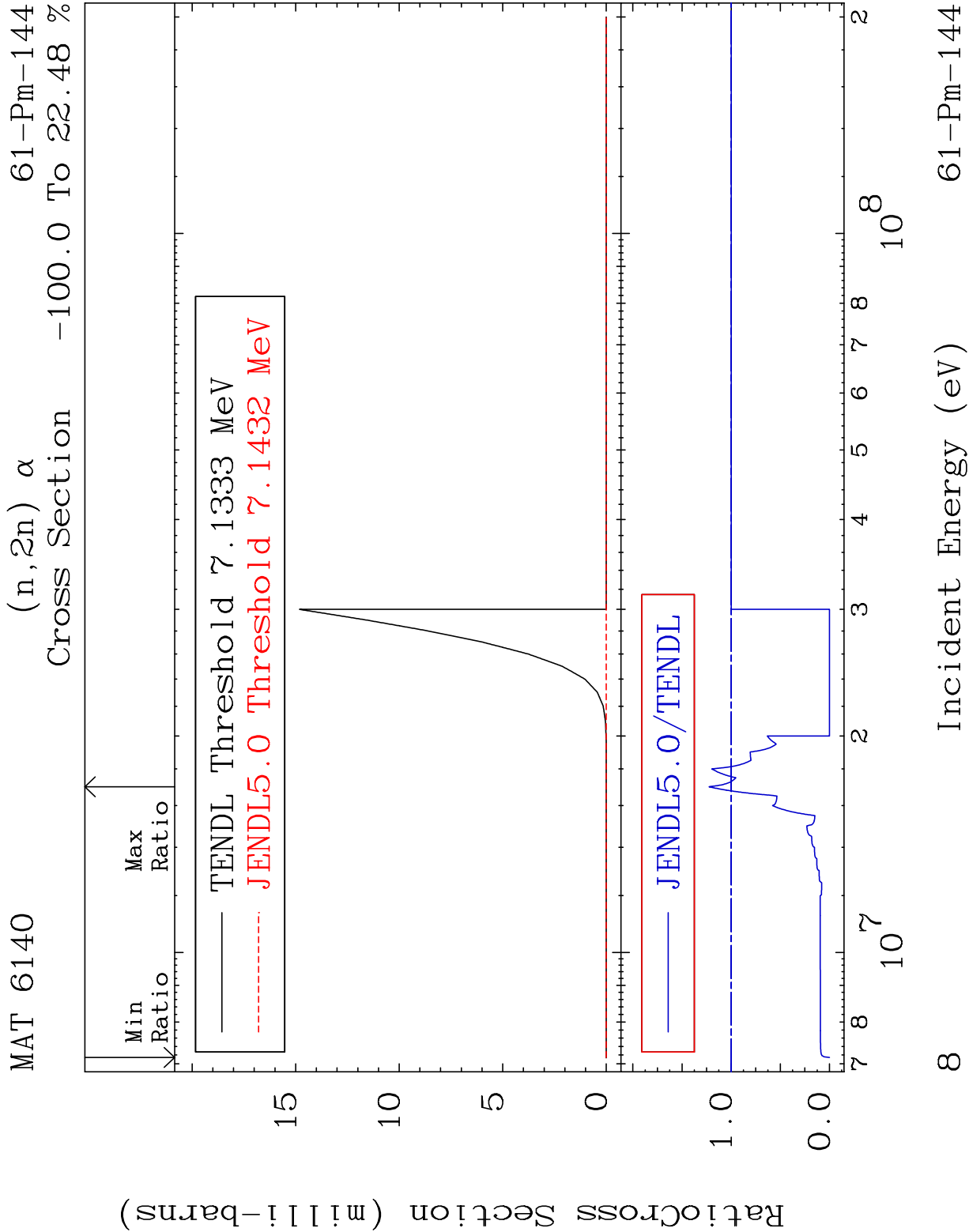


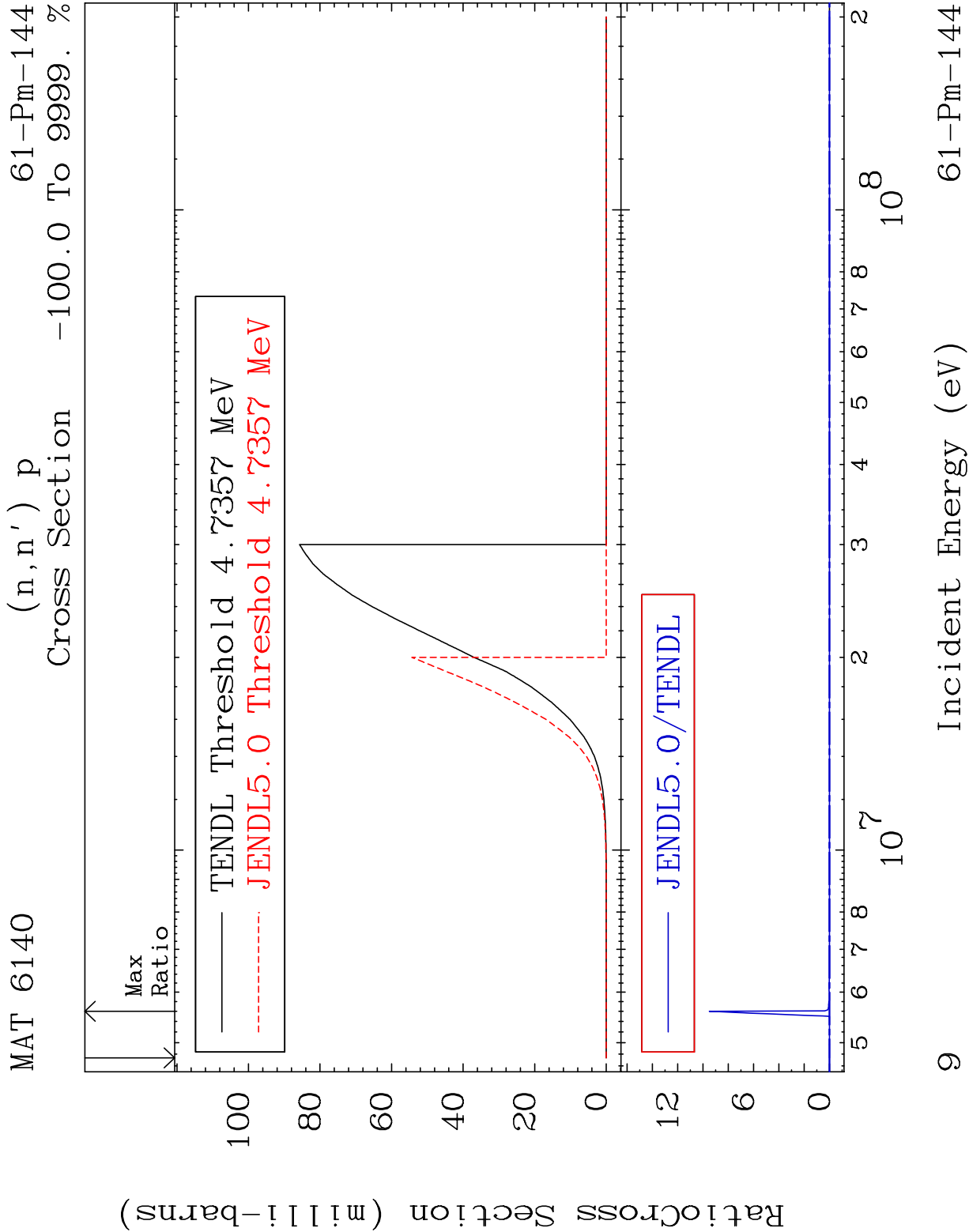


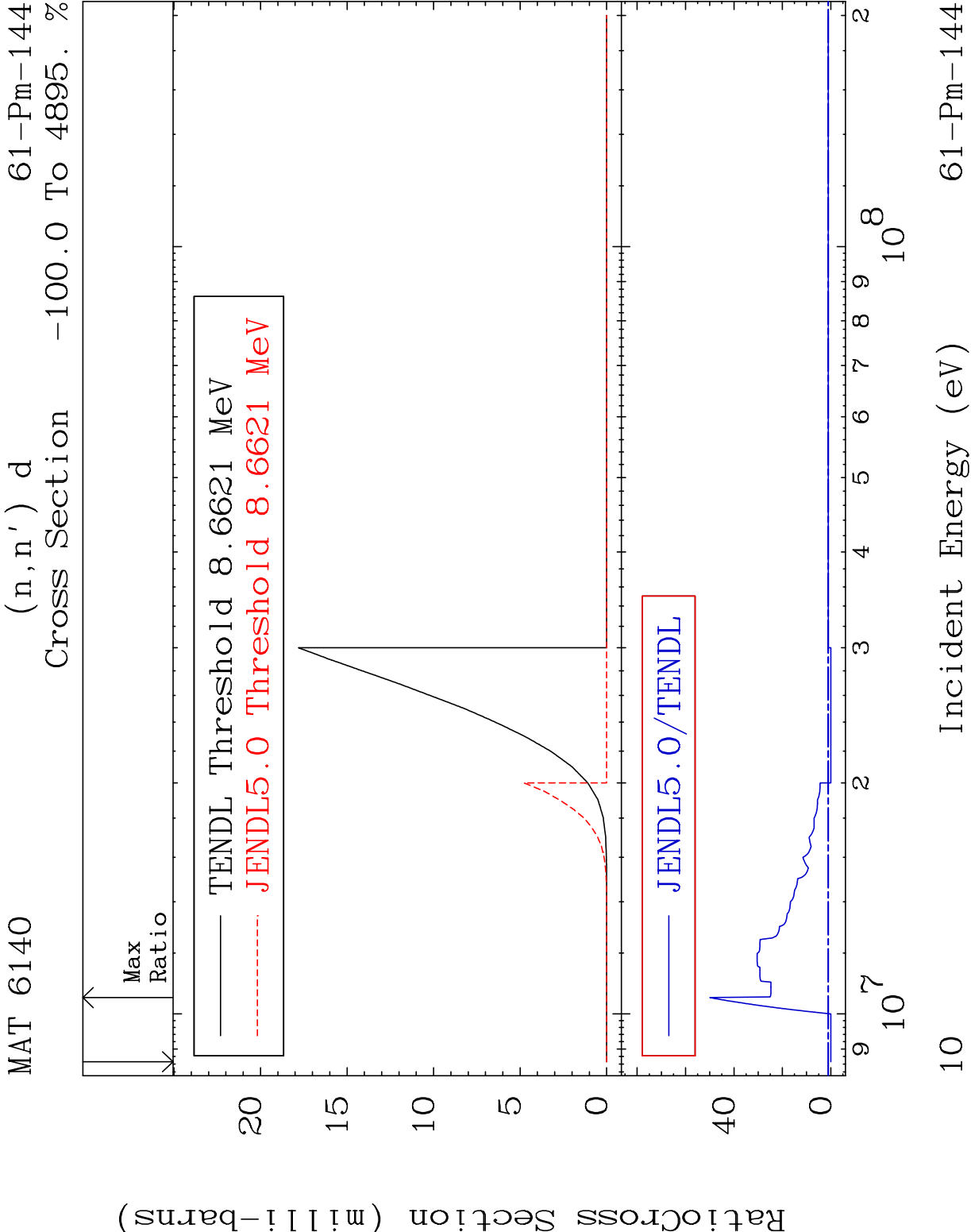


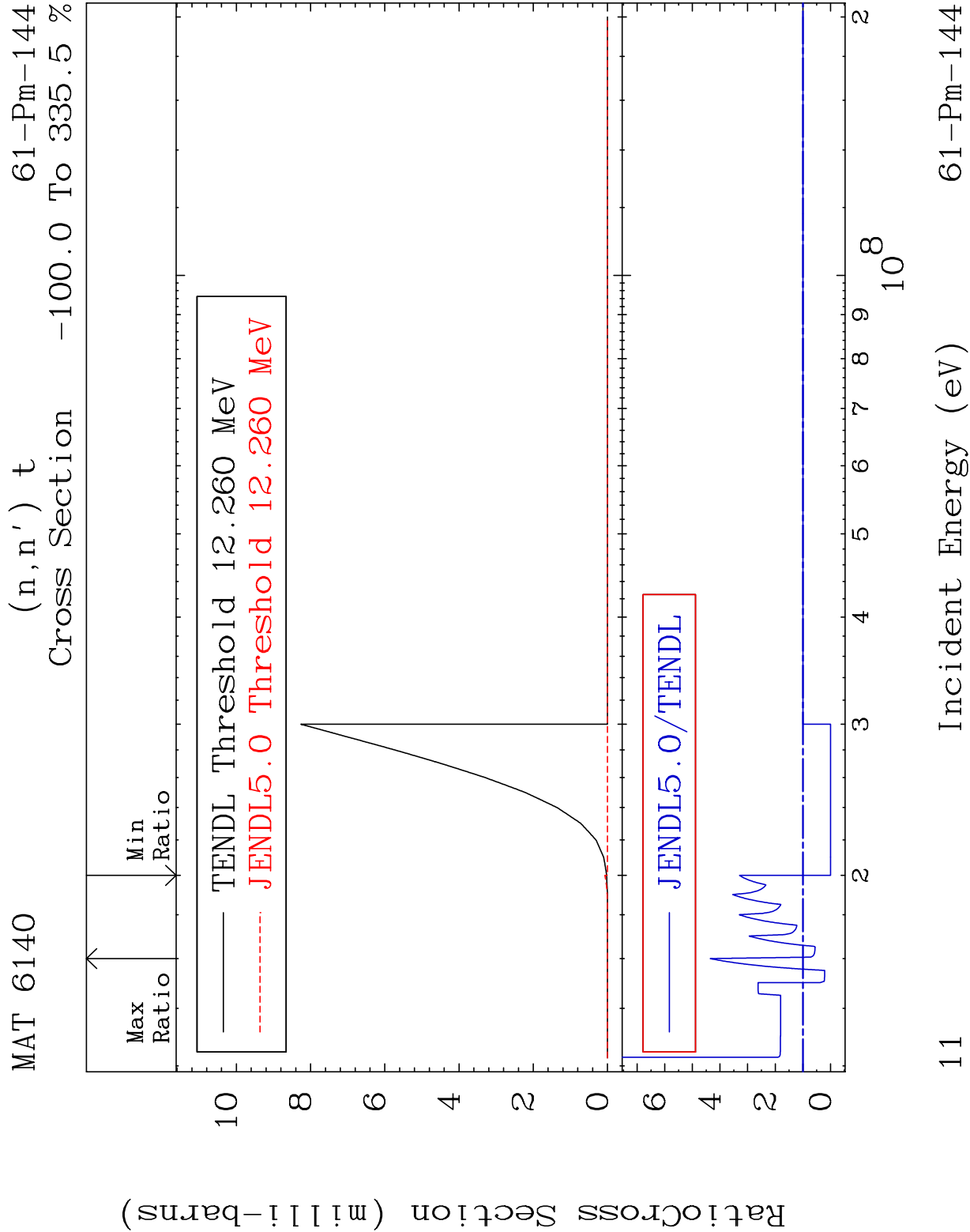










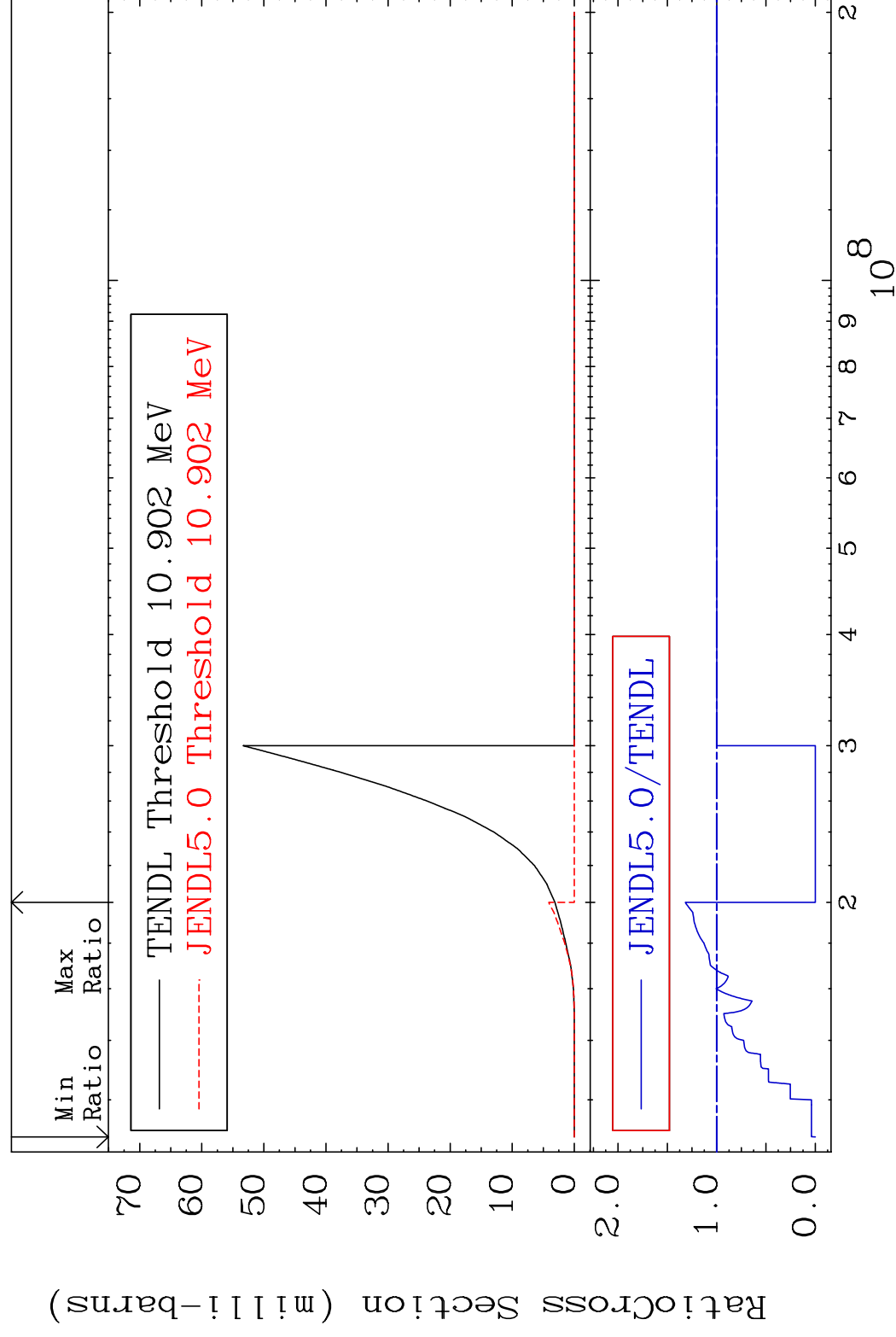


MAT 6140

$$(n, 2n) \text{ p}$$

61-Pm-144

Cross Section

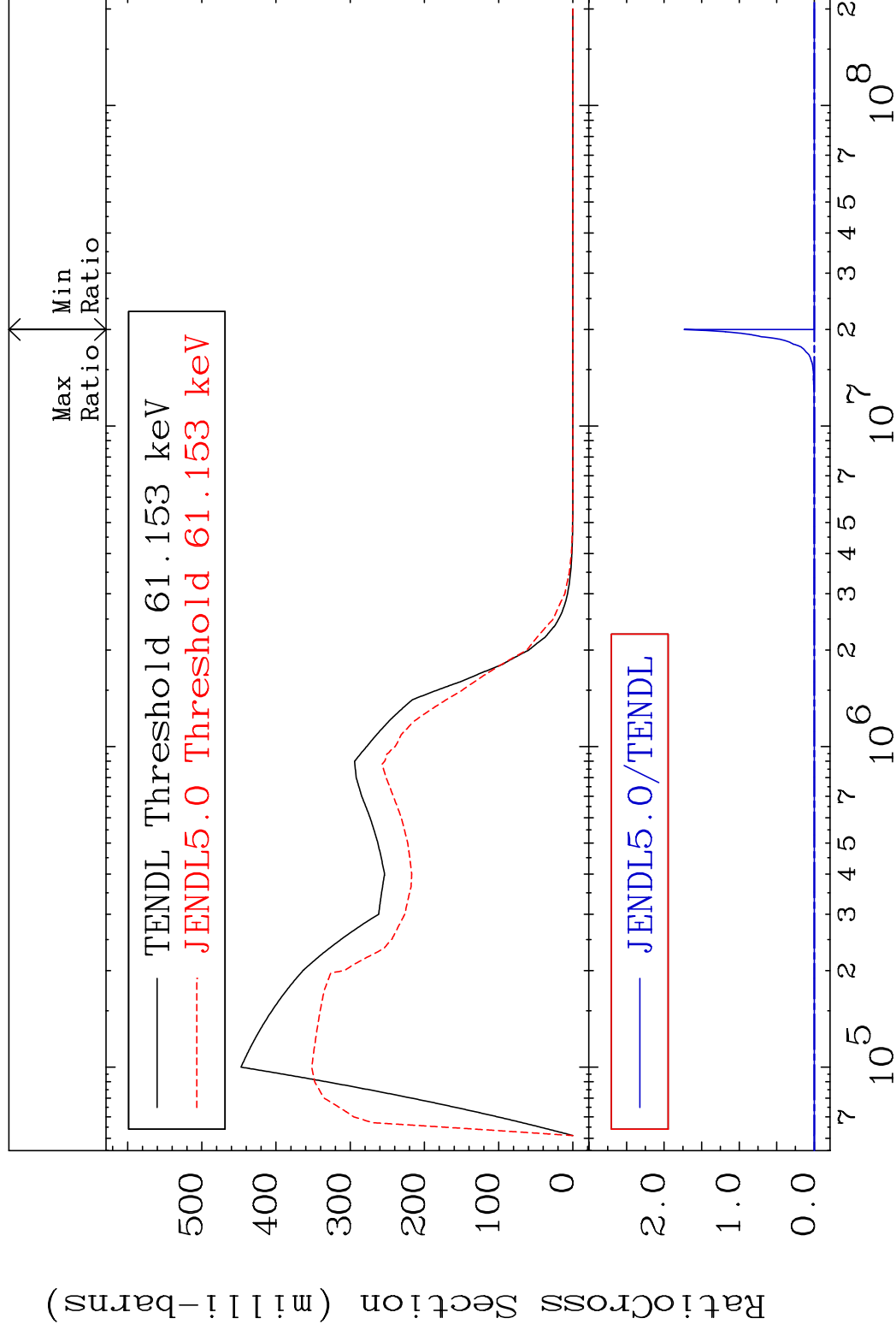


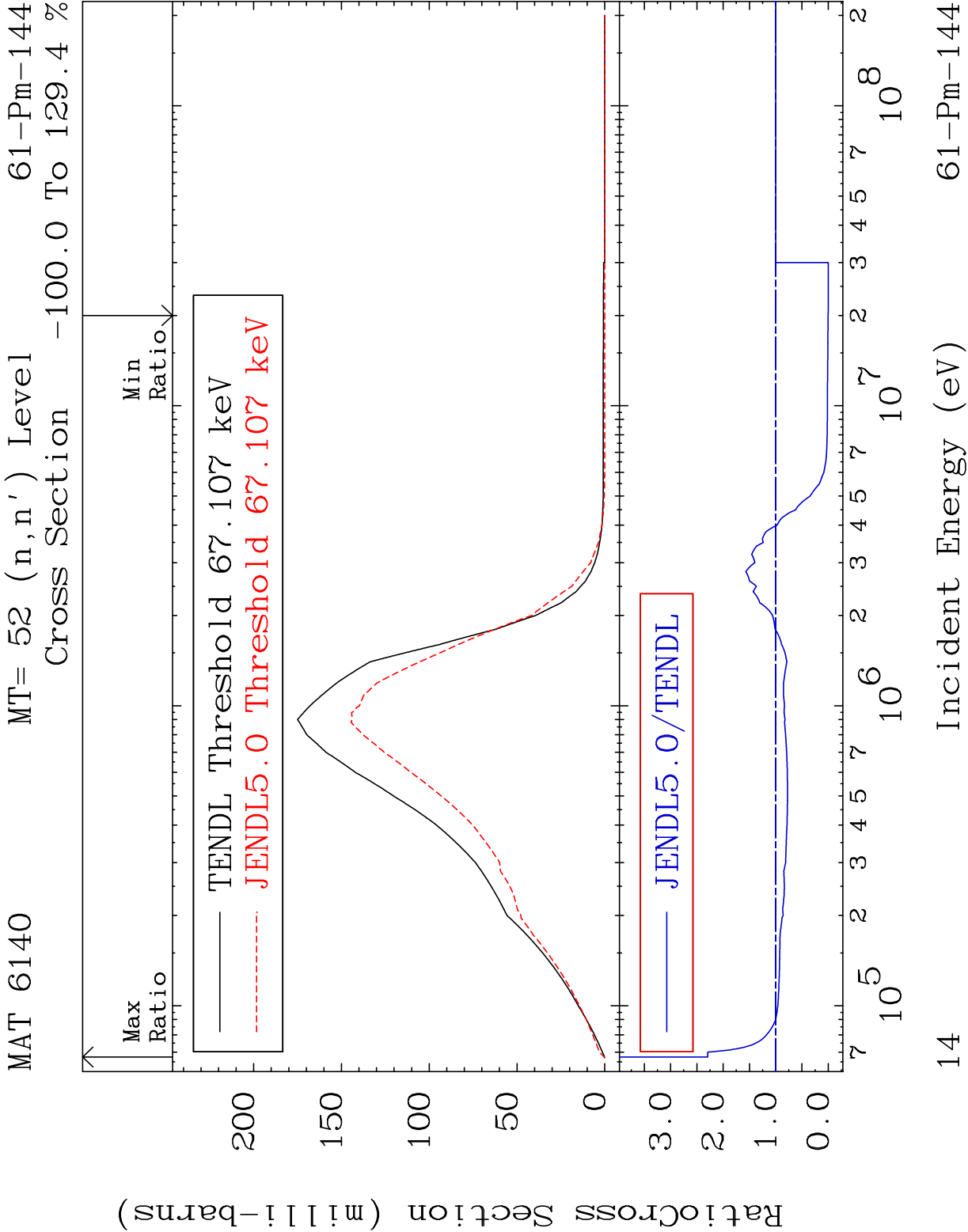
MAT 6140

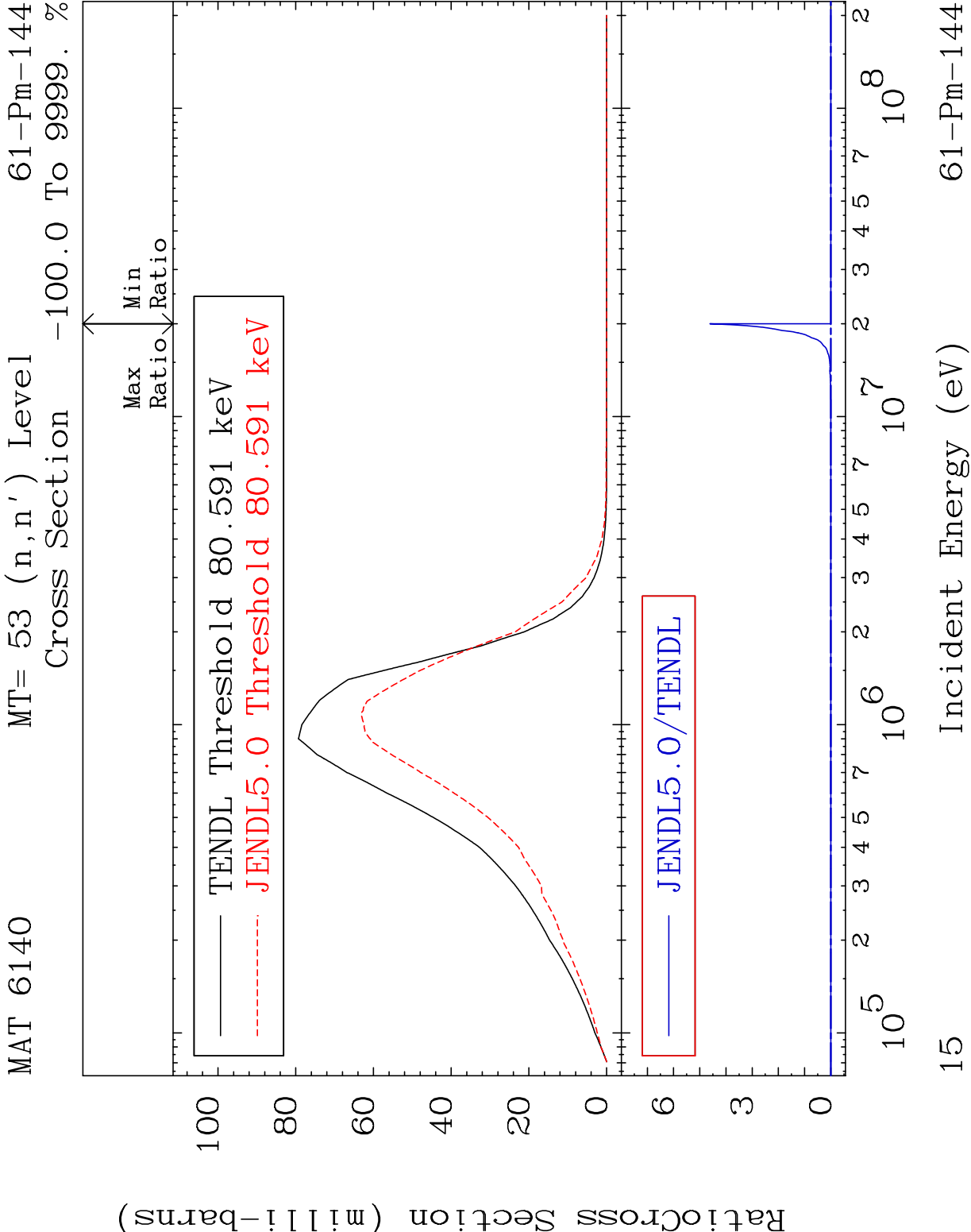
MT= 51 (n, n') Level

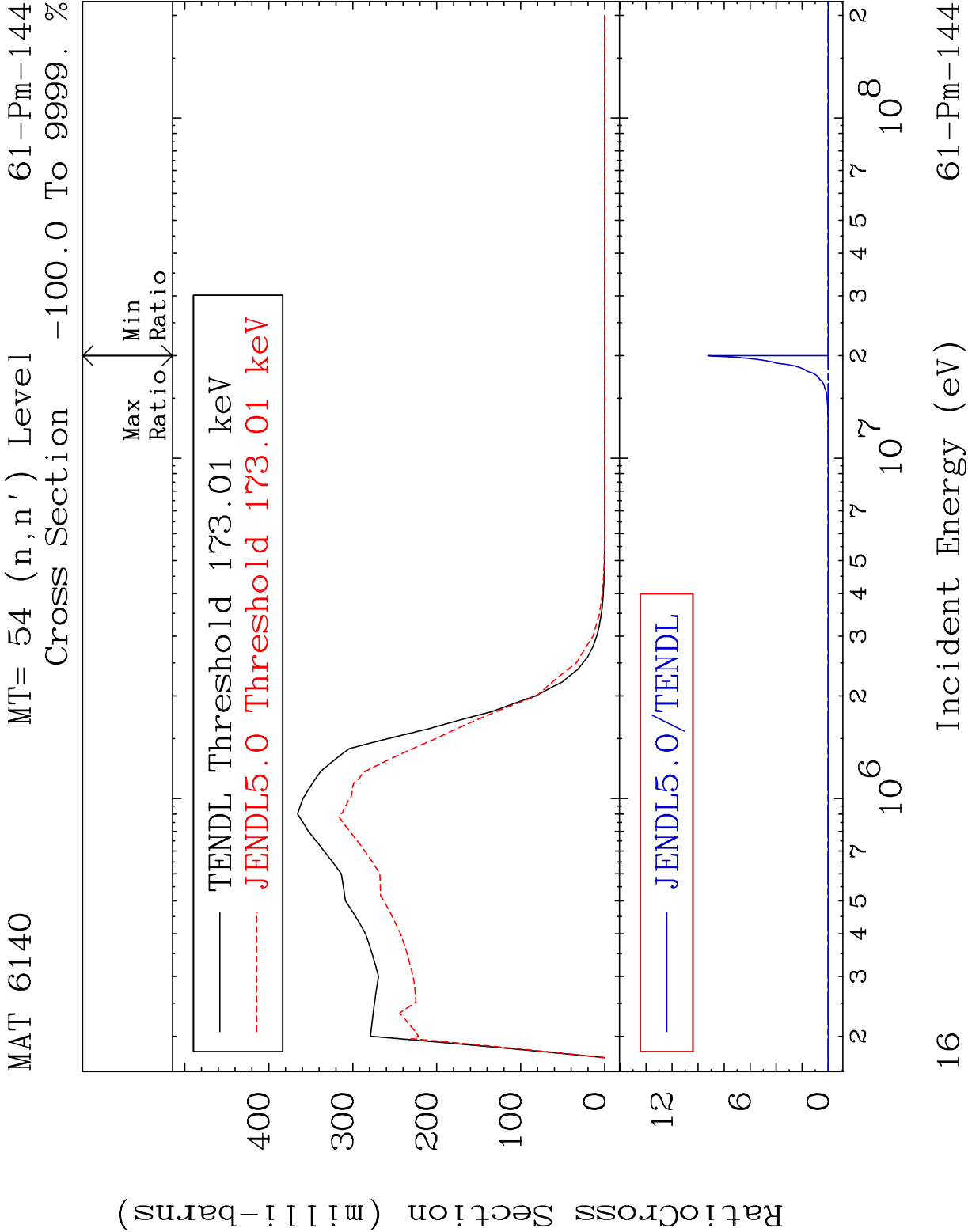
61-Pm-144

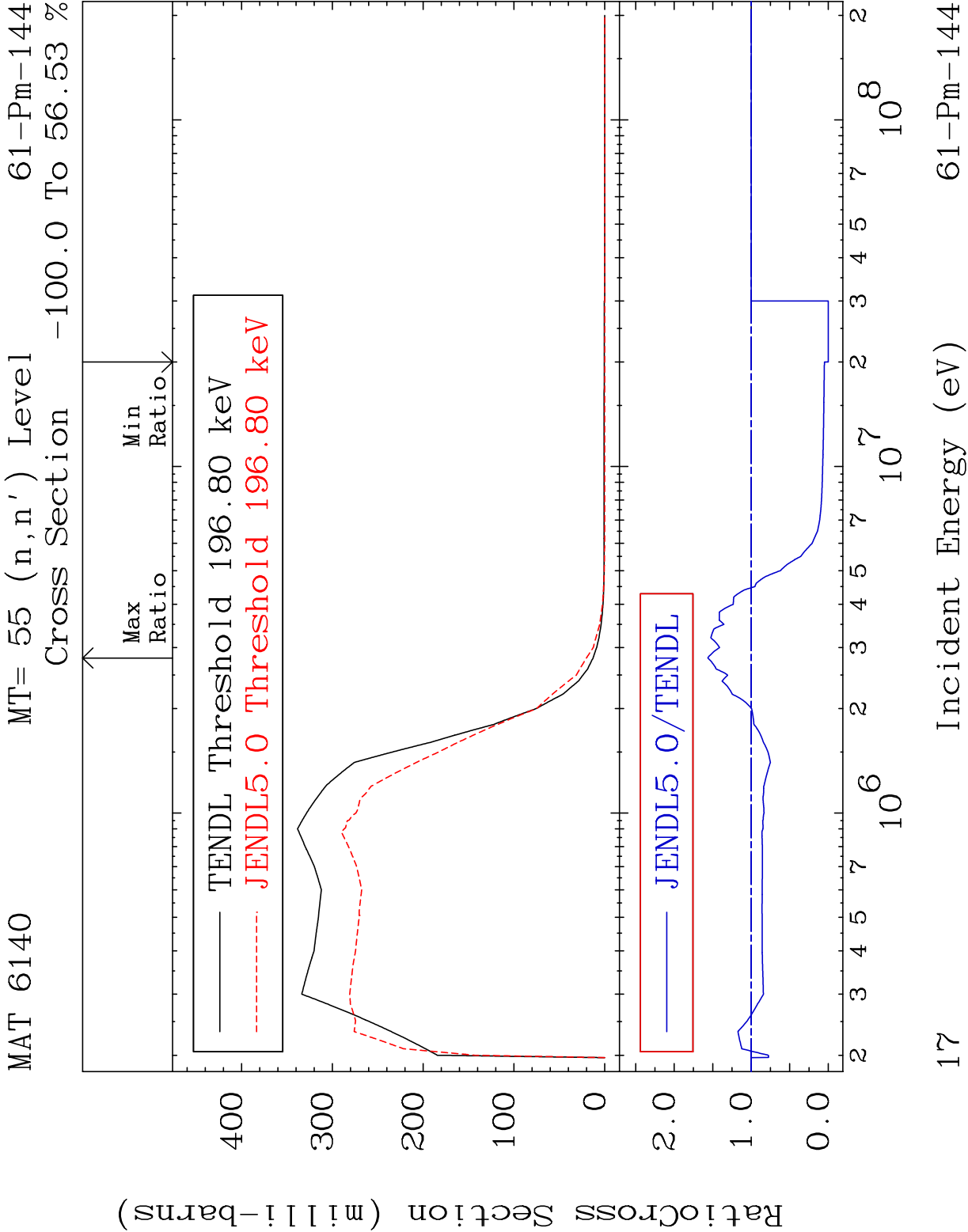
Cross Section -100.0 To 9999. %

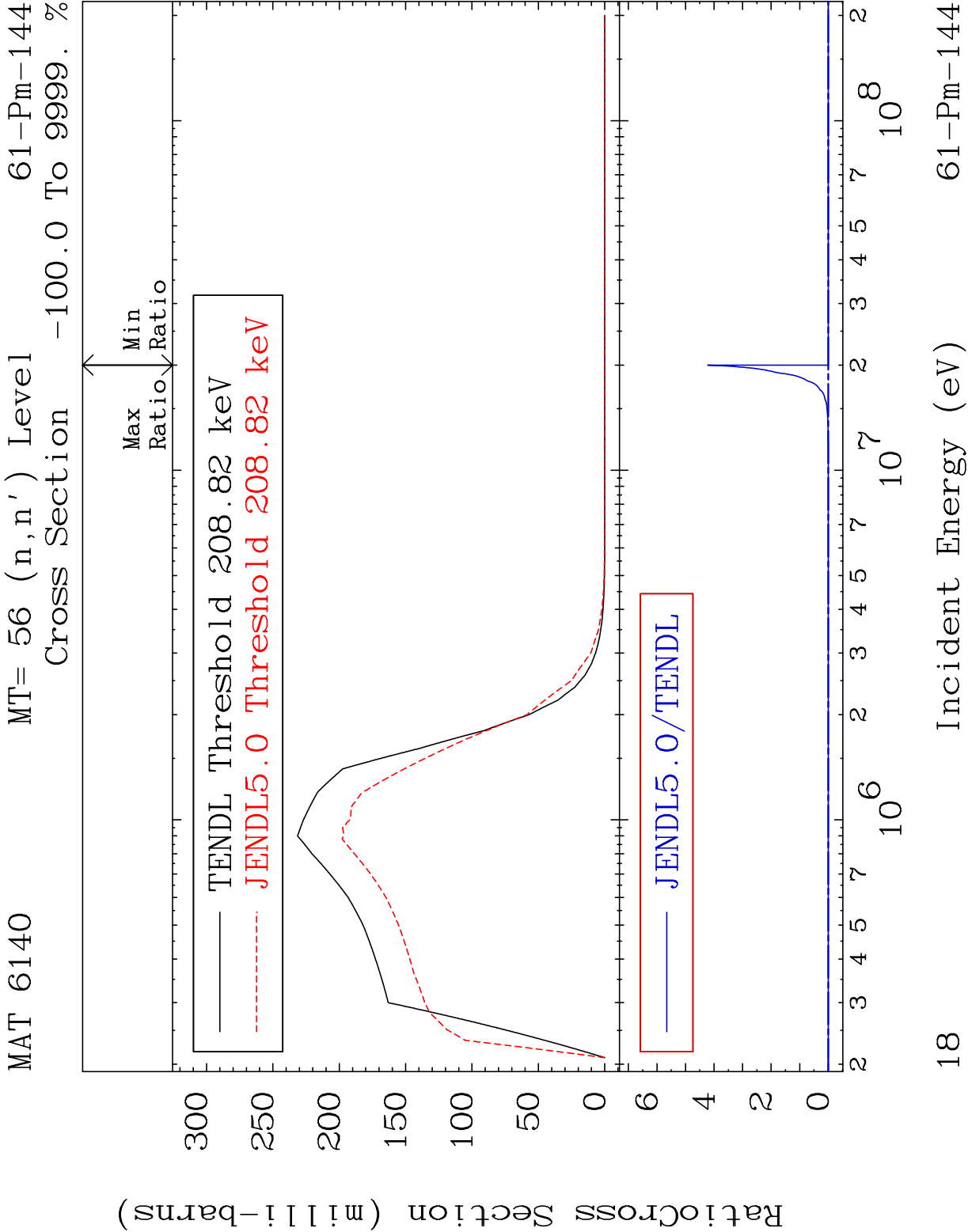


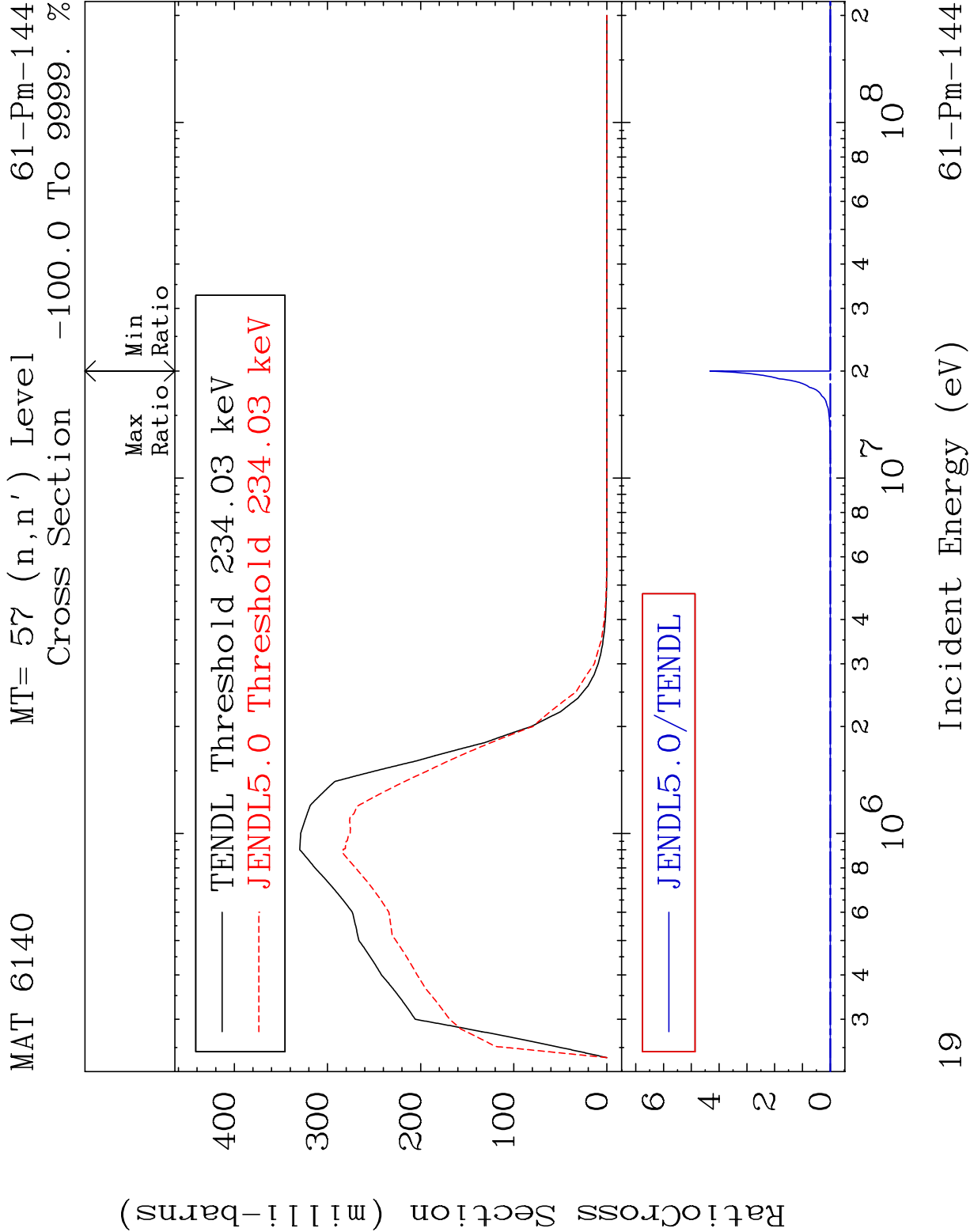


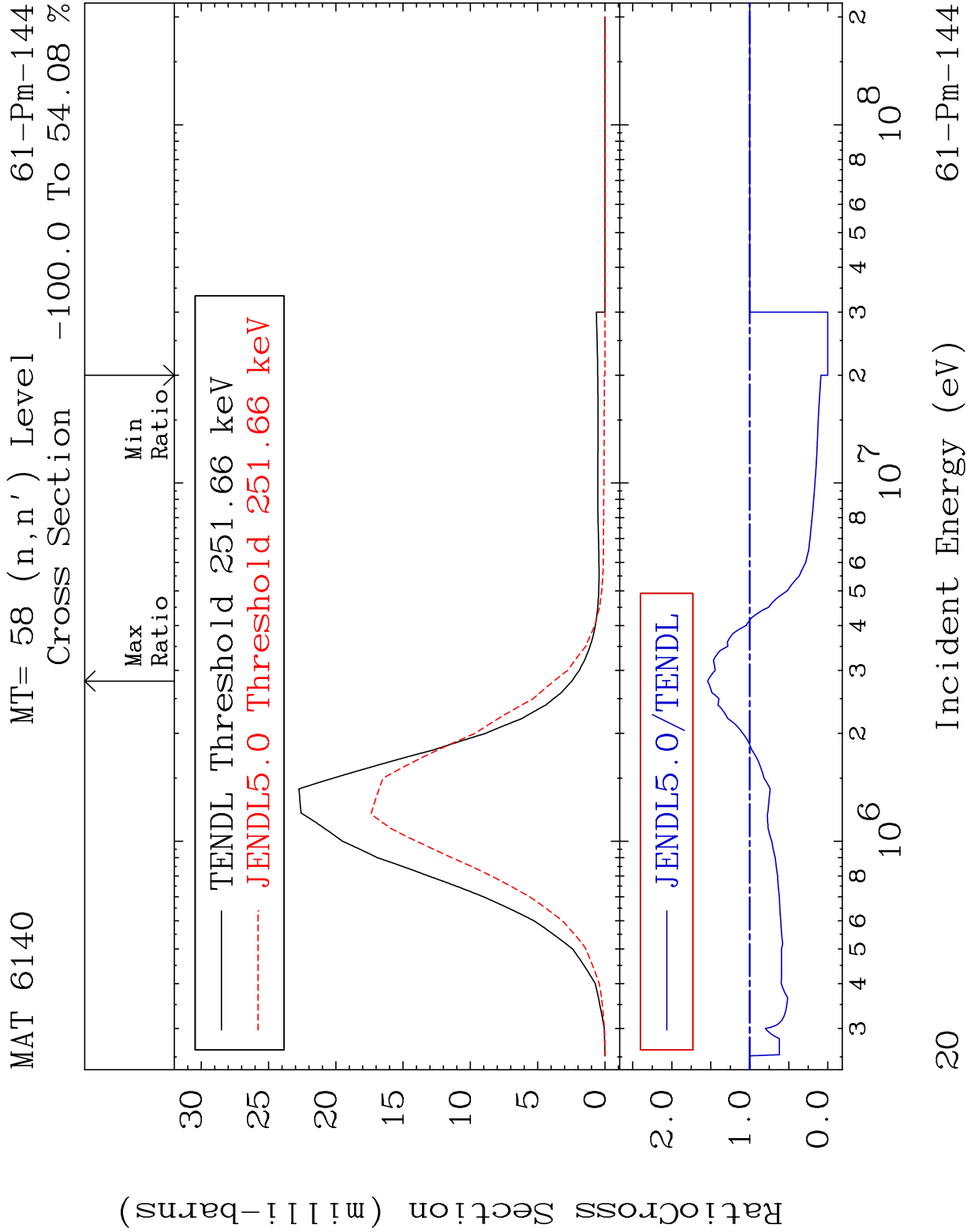


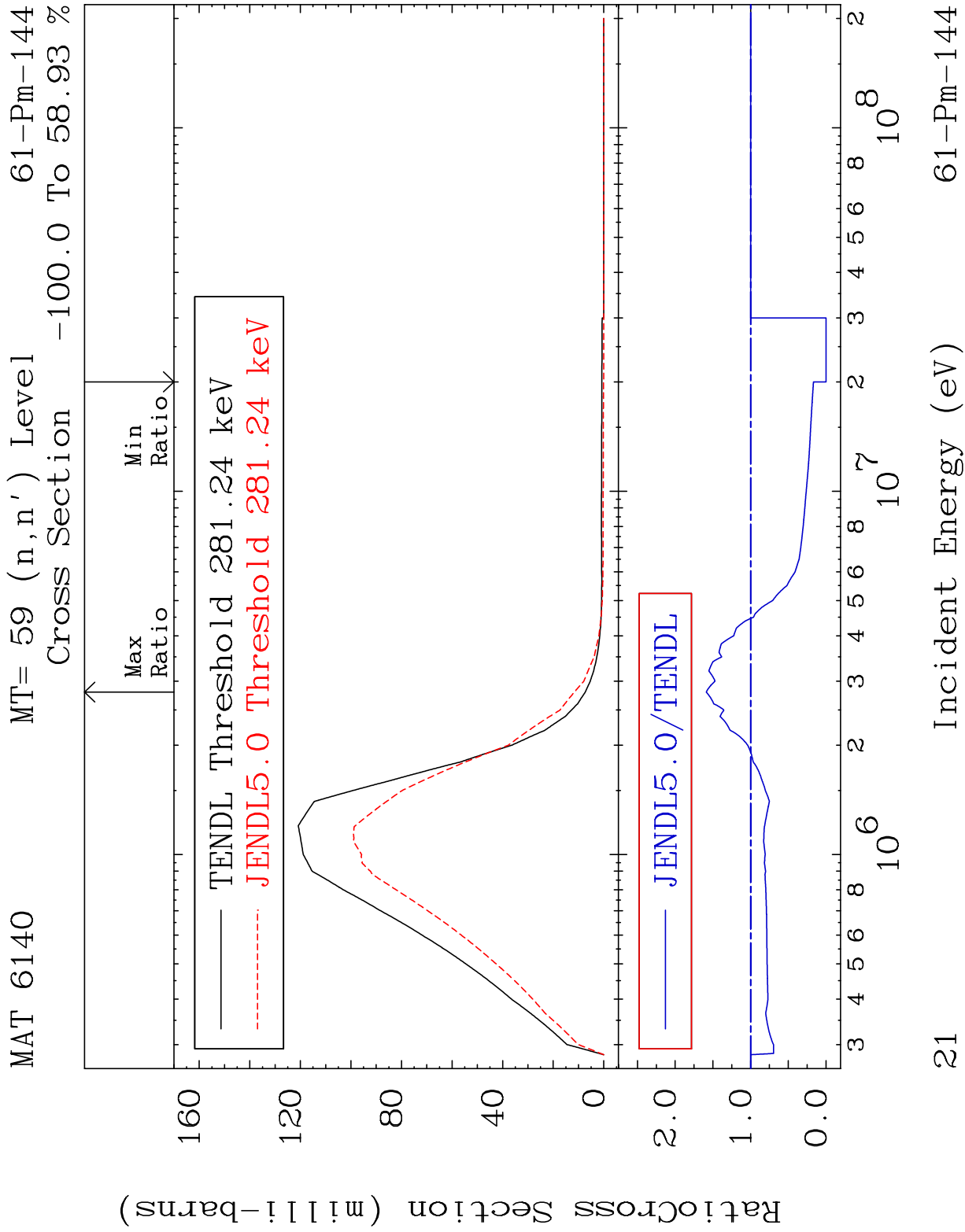




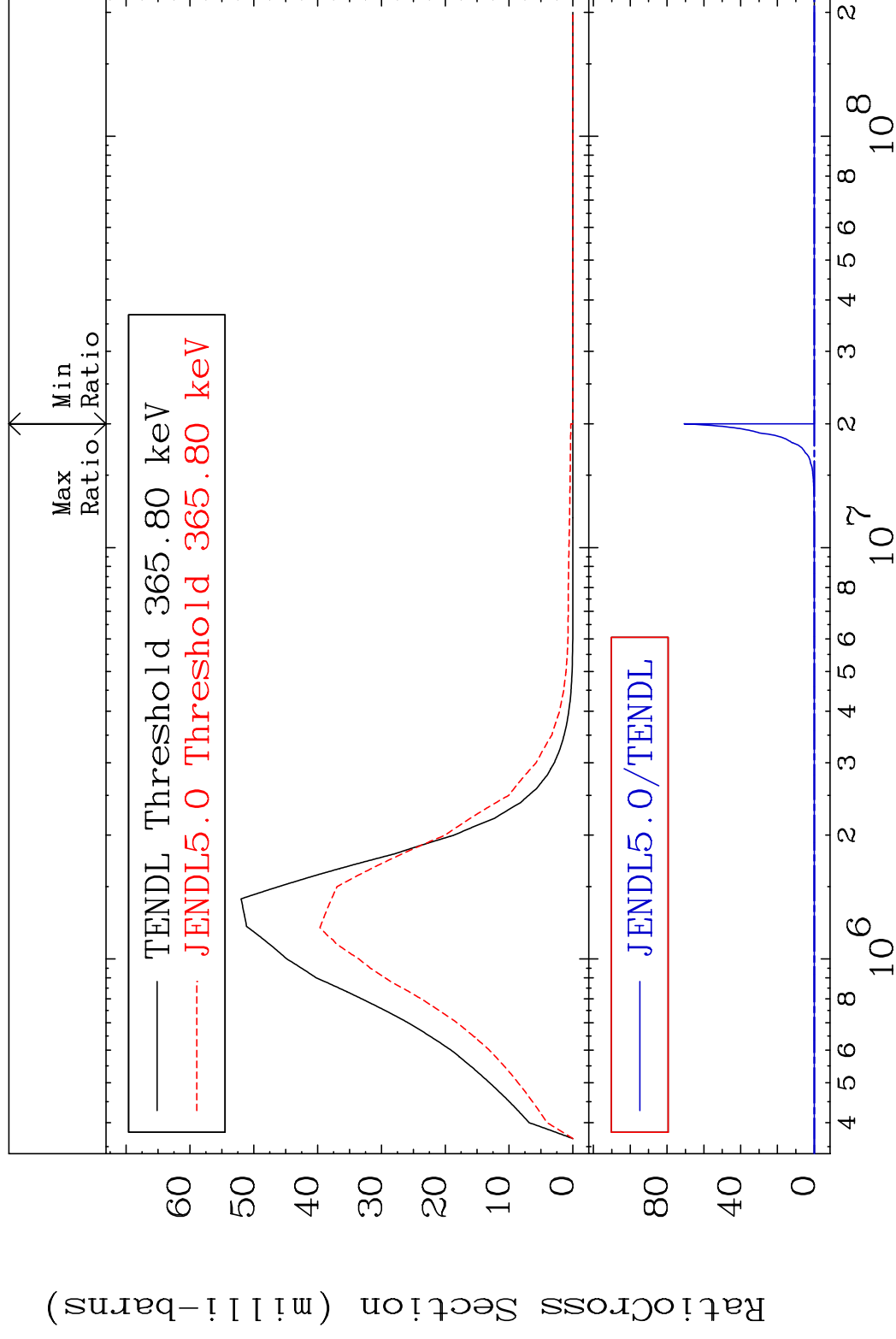


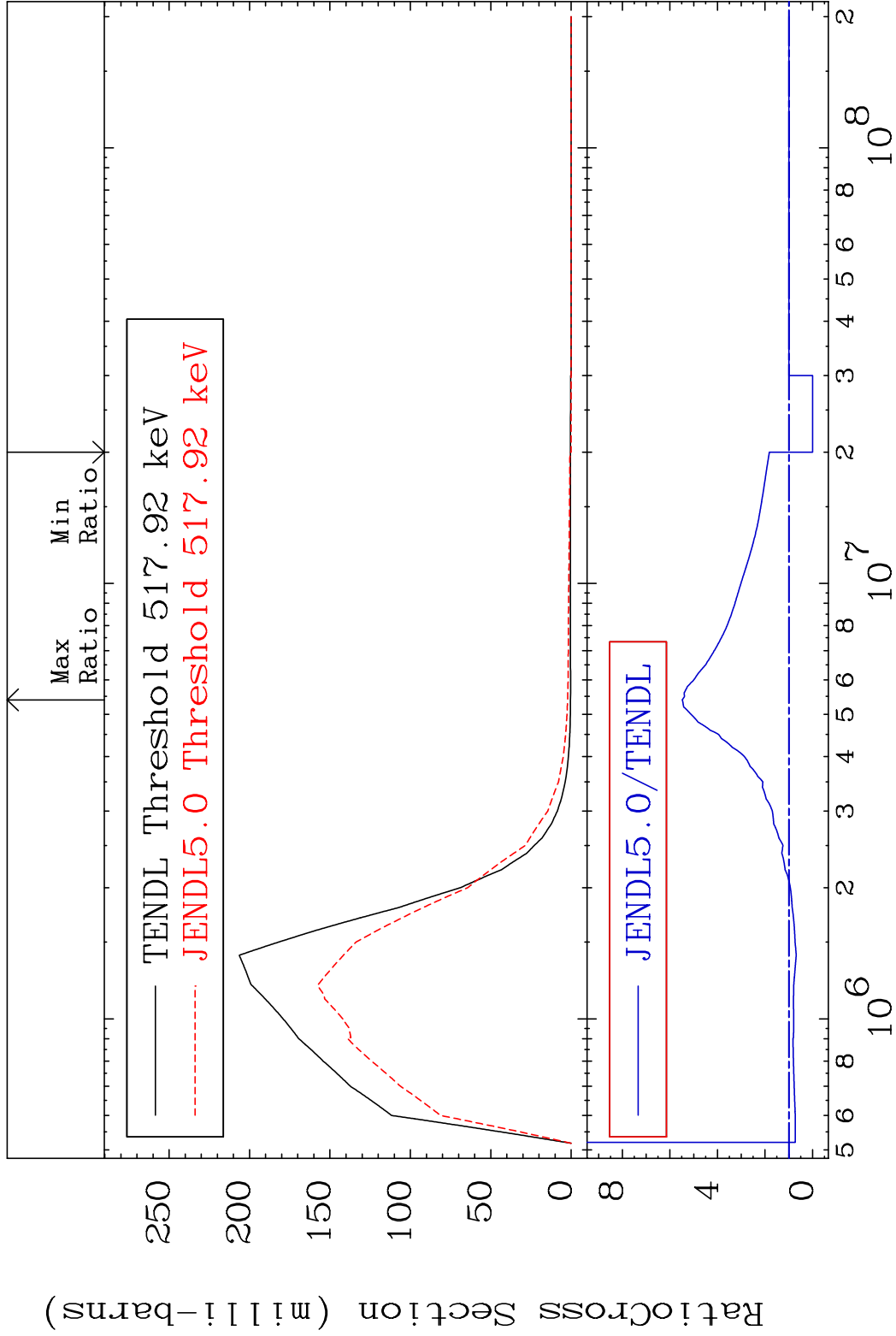


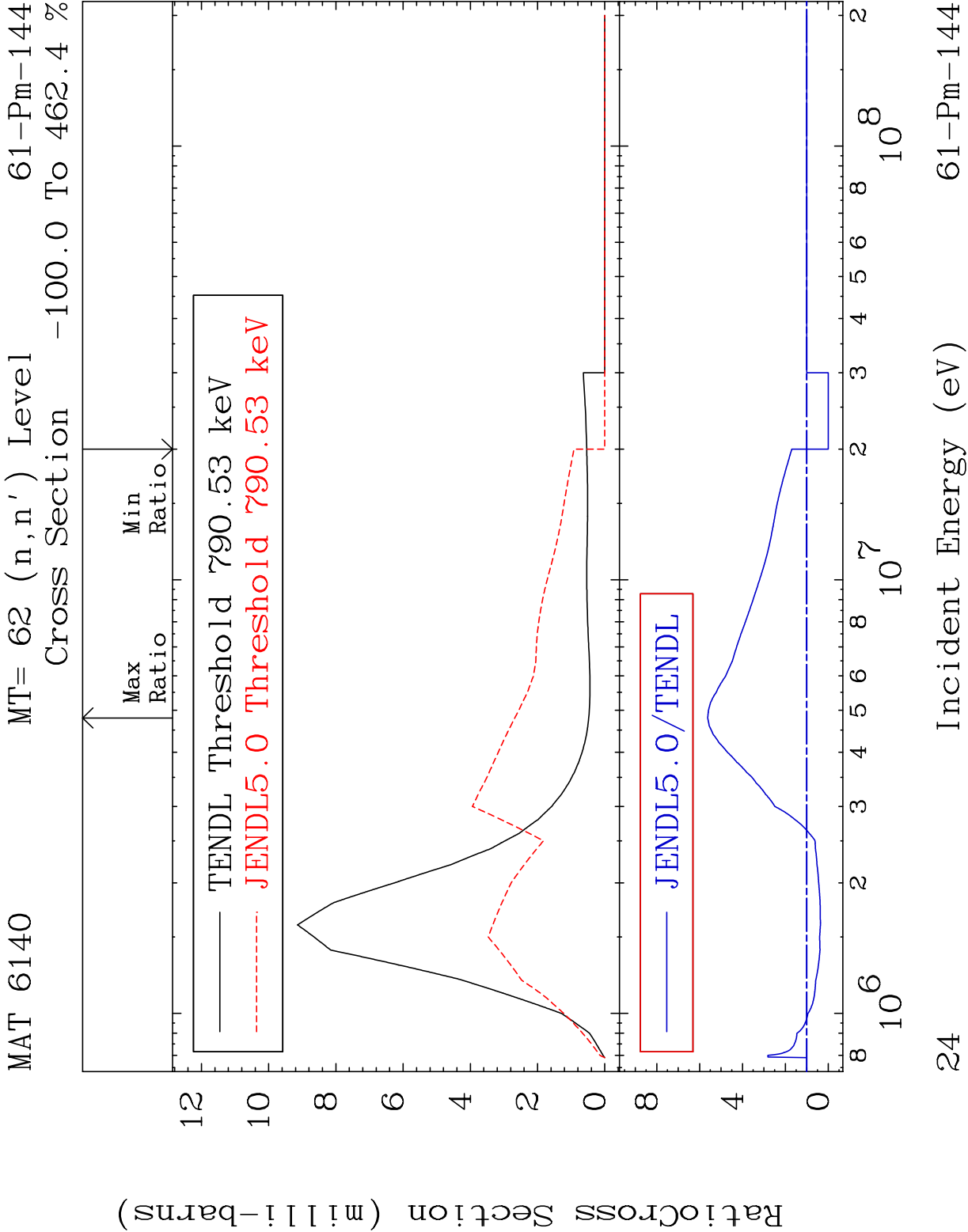


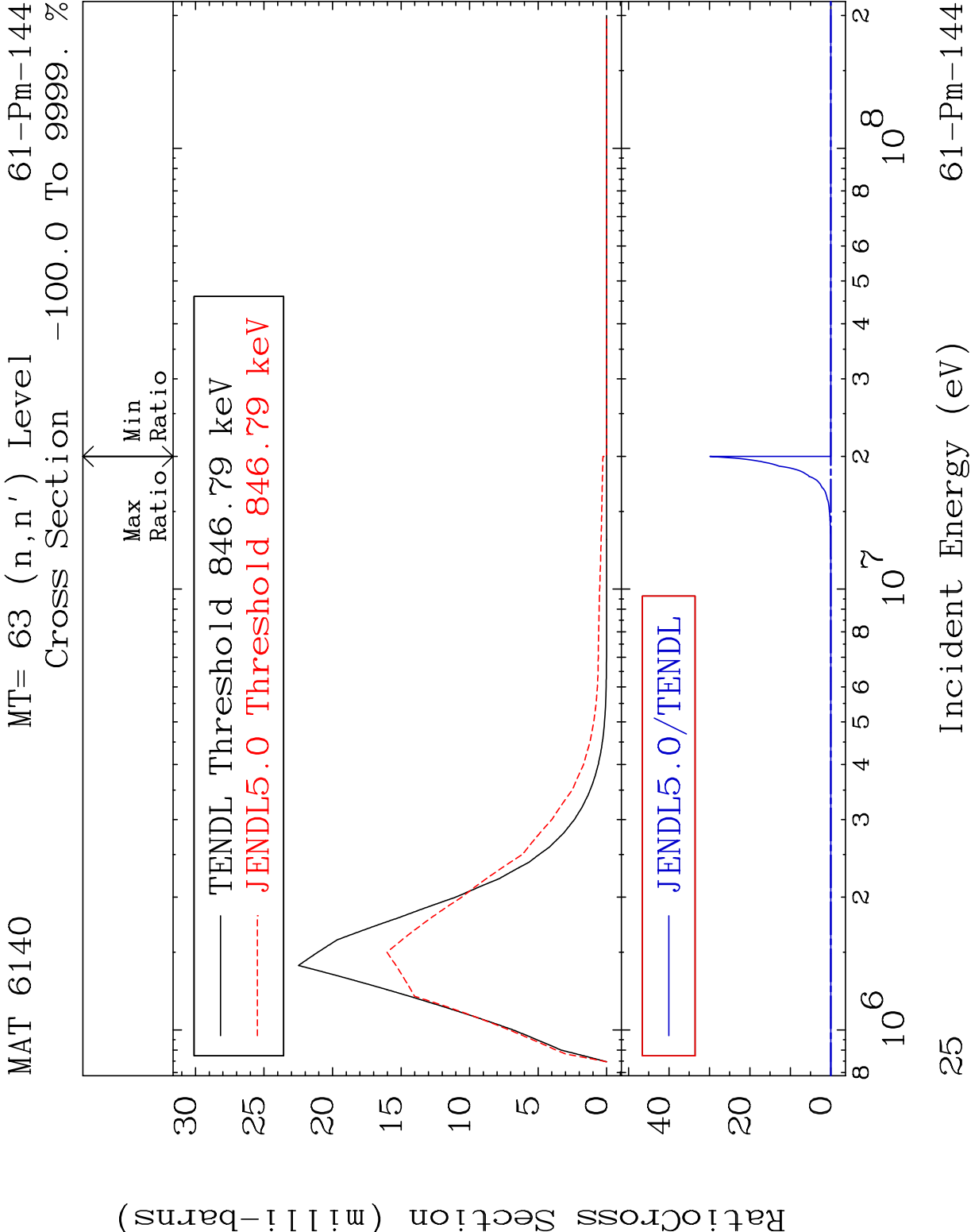


Cross Section -100.0 To 9999. %

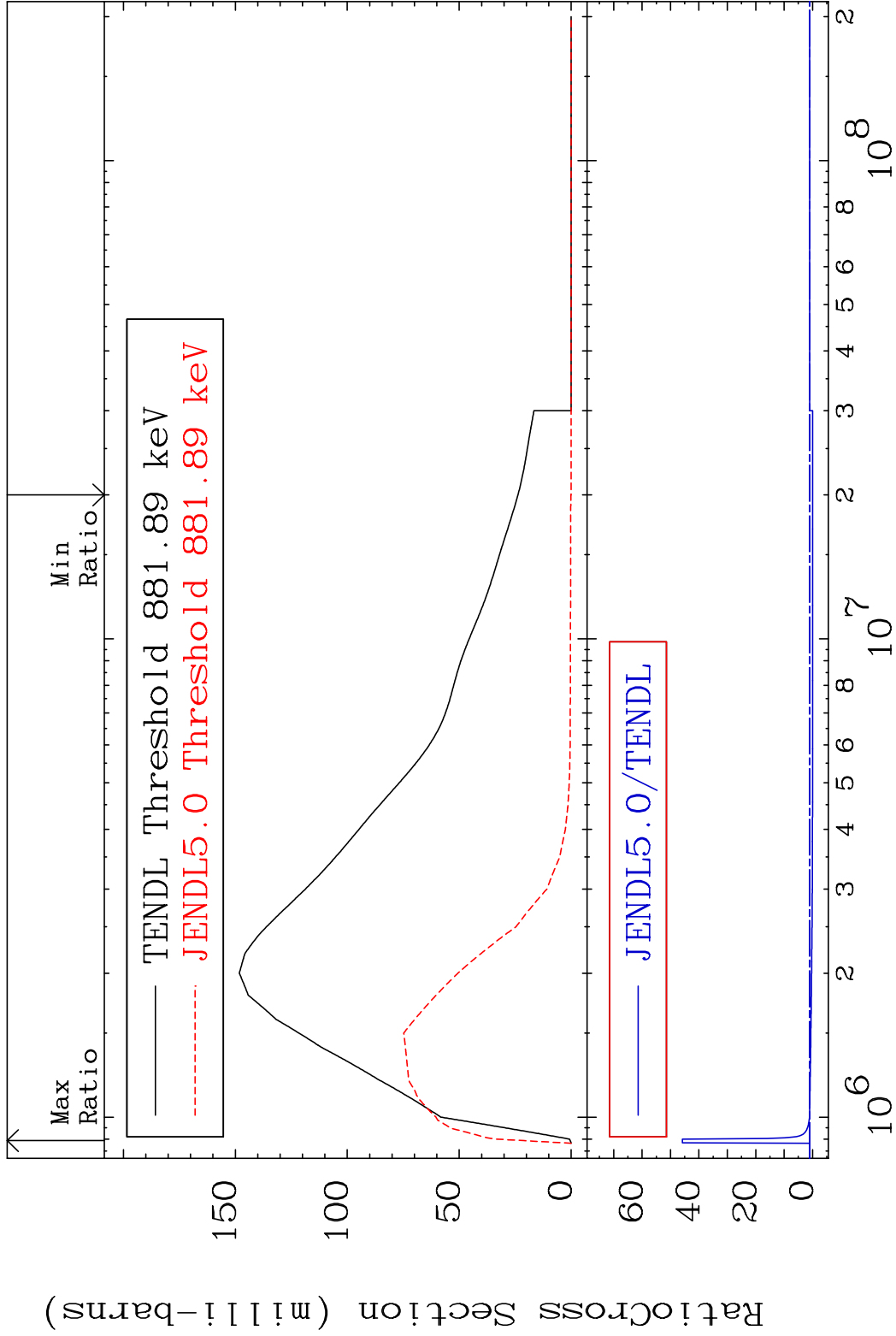






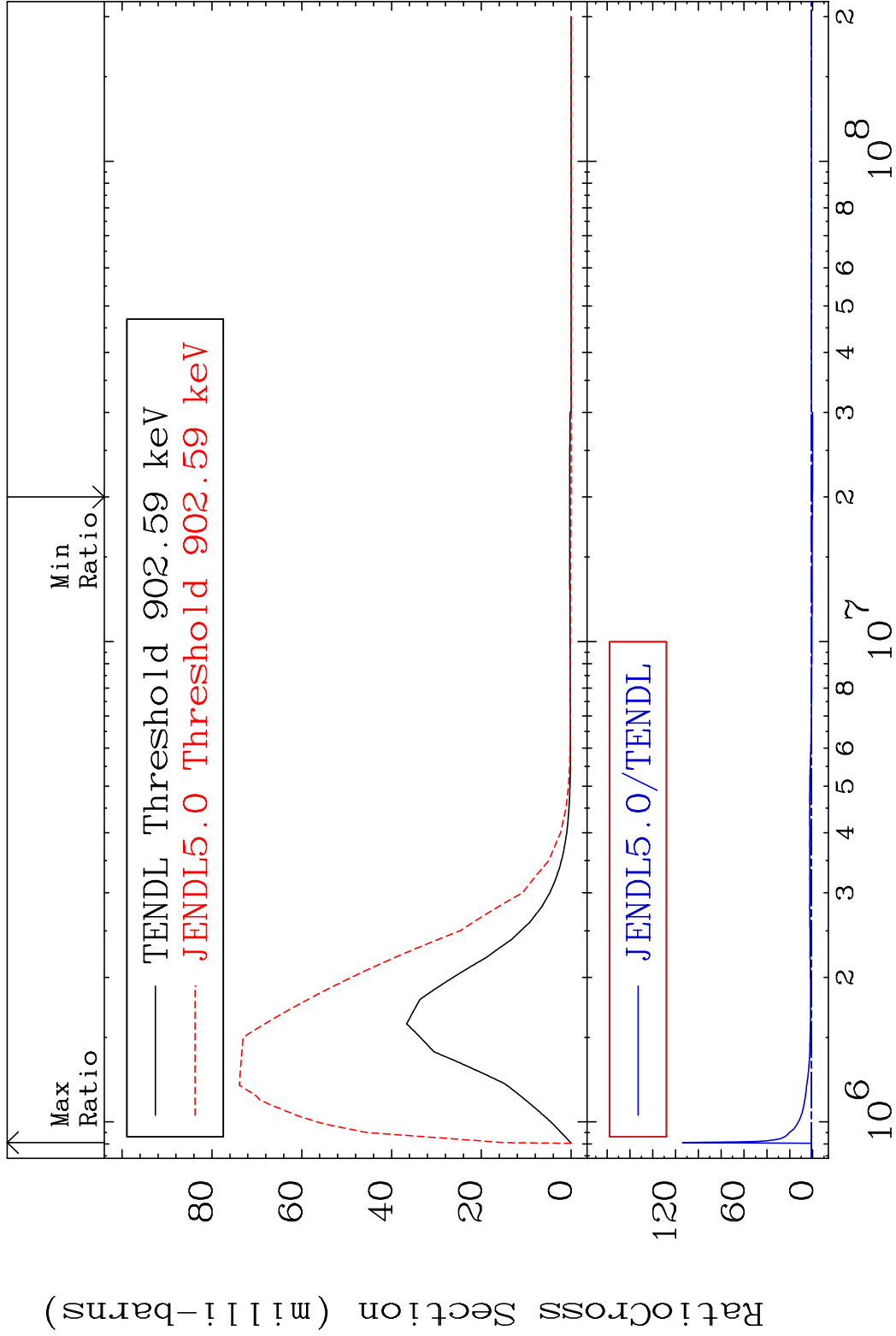


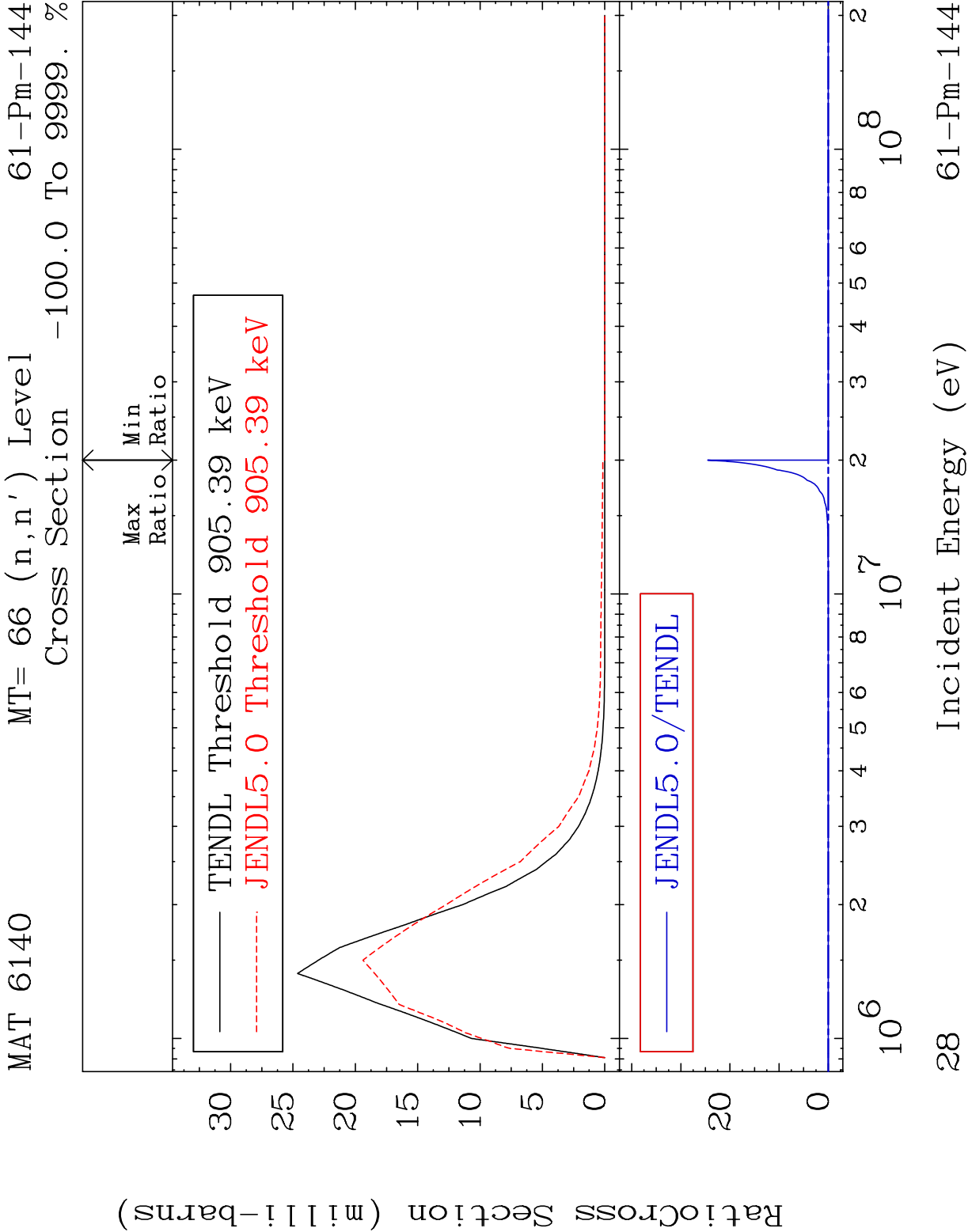
MAT 6140      MT= 64 (n,n') Level      61-Pm-144  
Cross Section      -100.0 To 4483. %



MAT 6140                      MT= 65 (n,n') Level                      61-Pm-144

Cross Section                      -100.0 To 9999. %



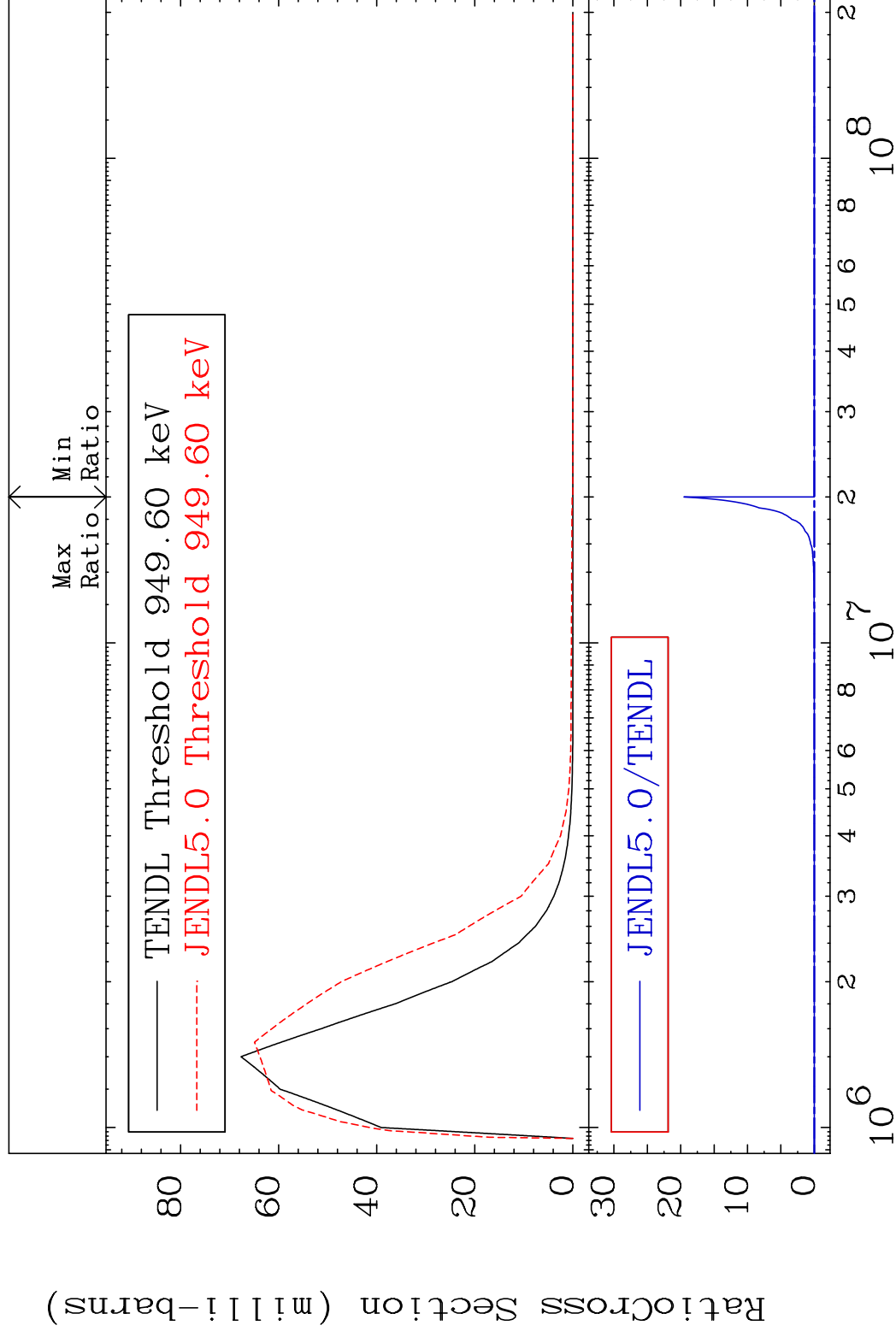


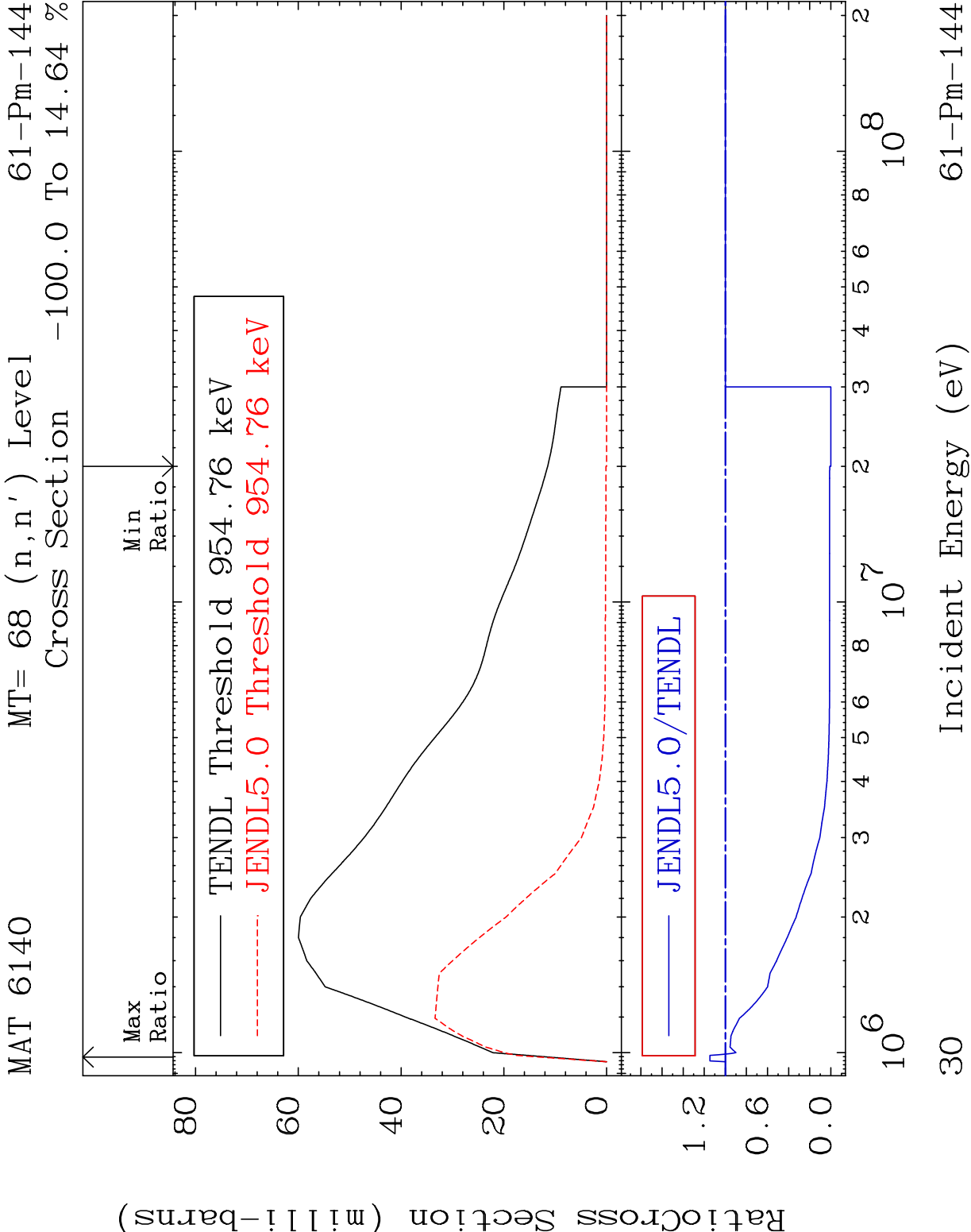
MAT 6140

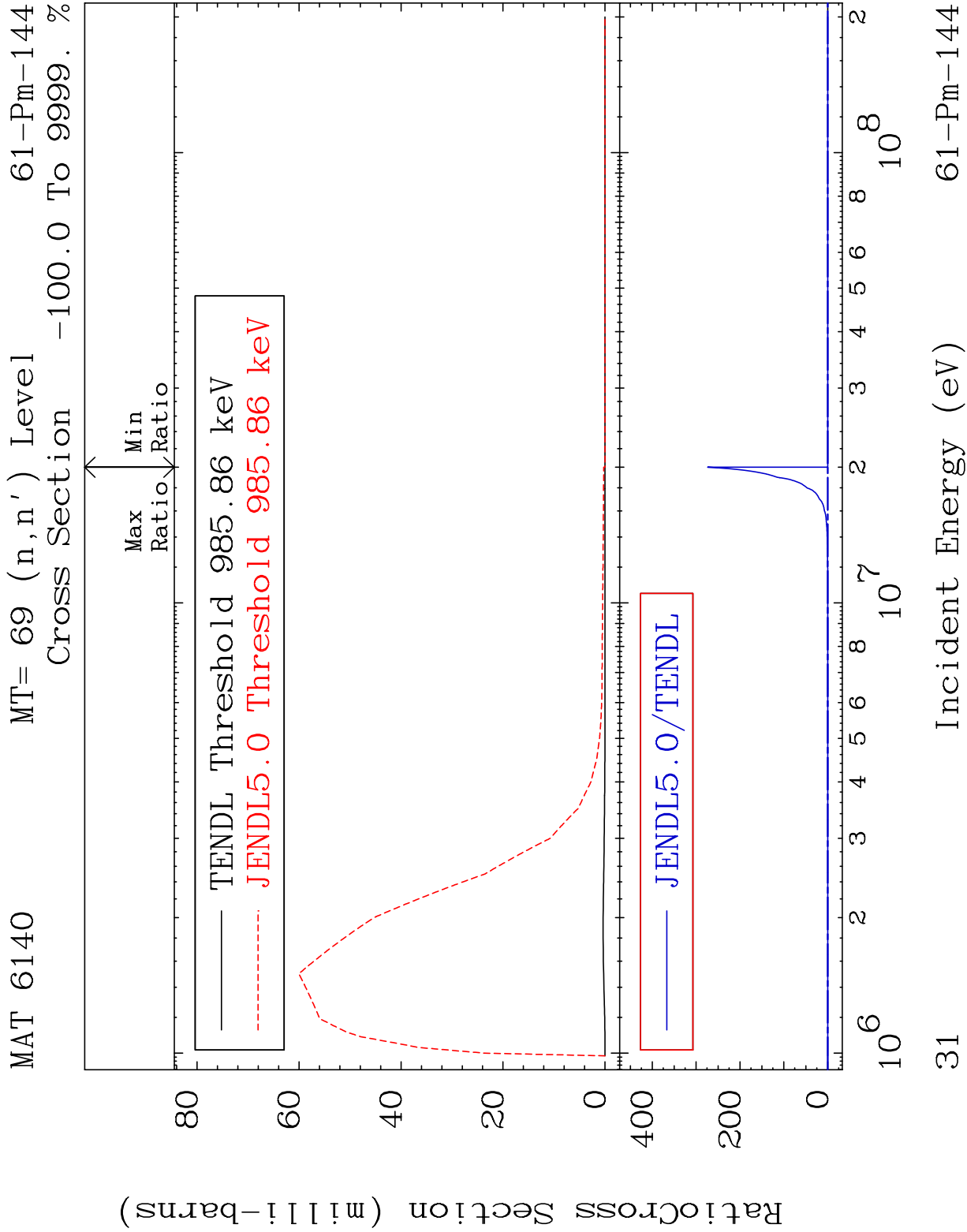
MT= 67 (n, n') Level

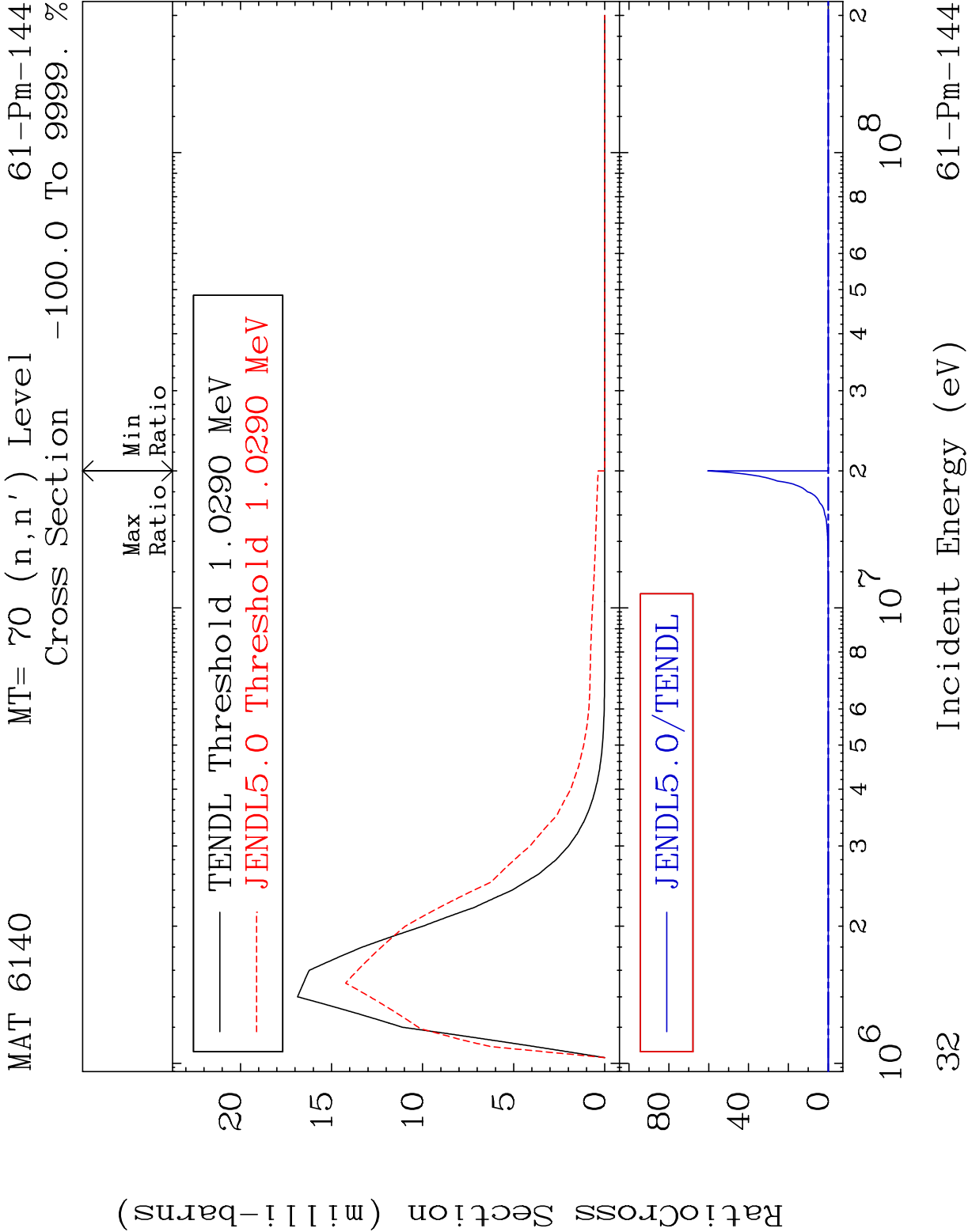
61-Pm-144

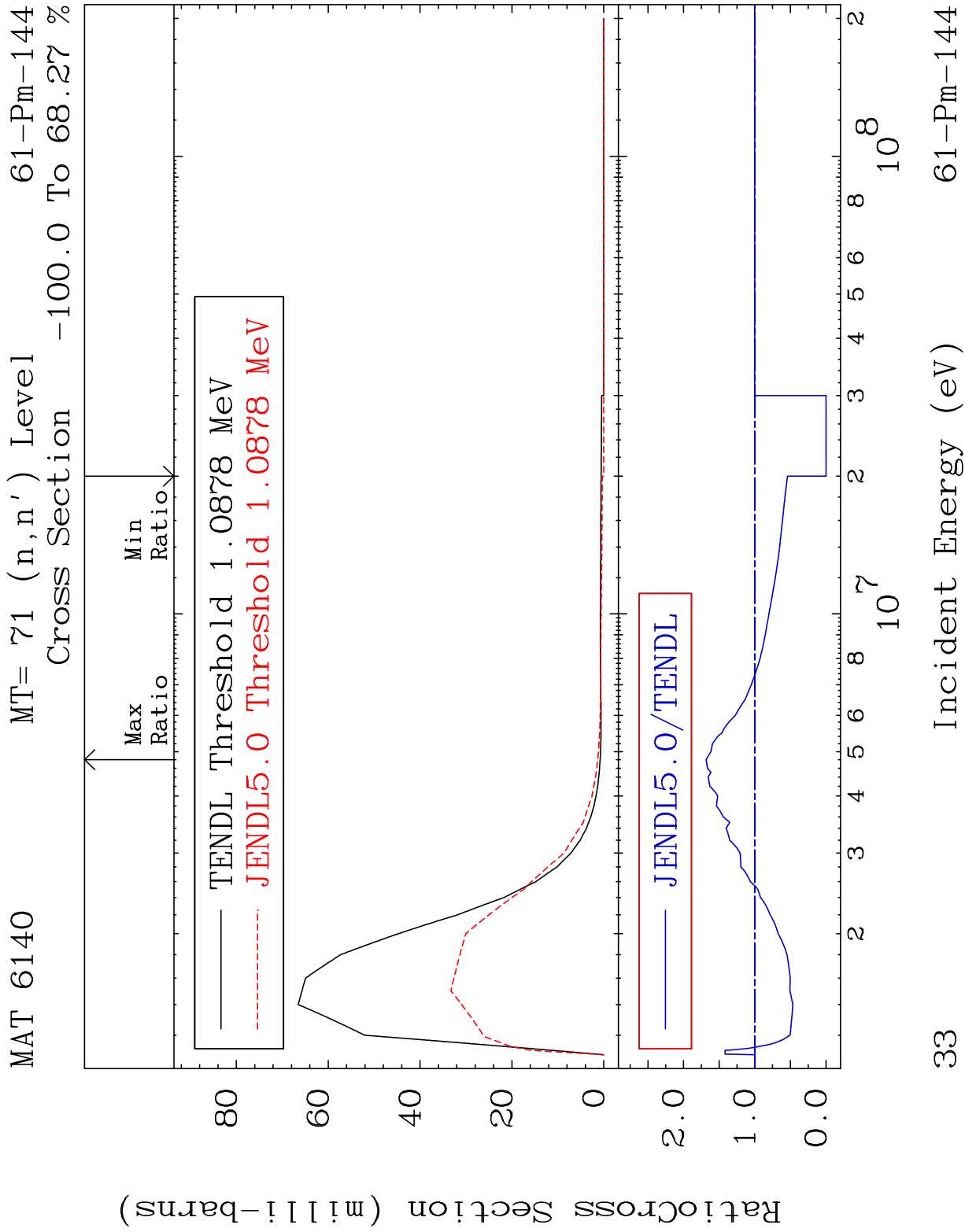
Cross Section -100.0 To 9999. %

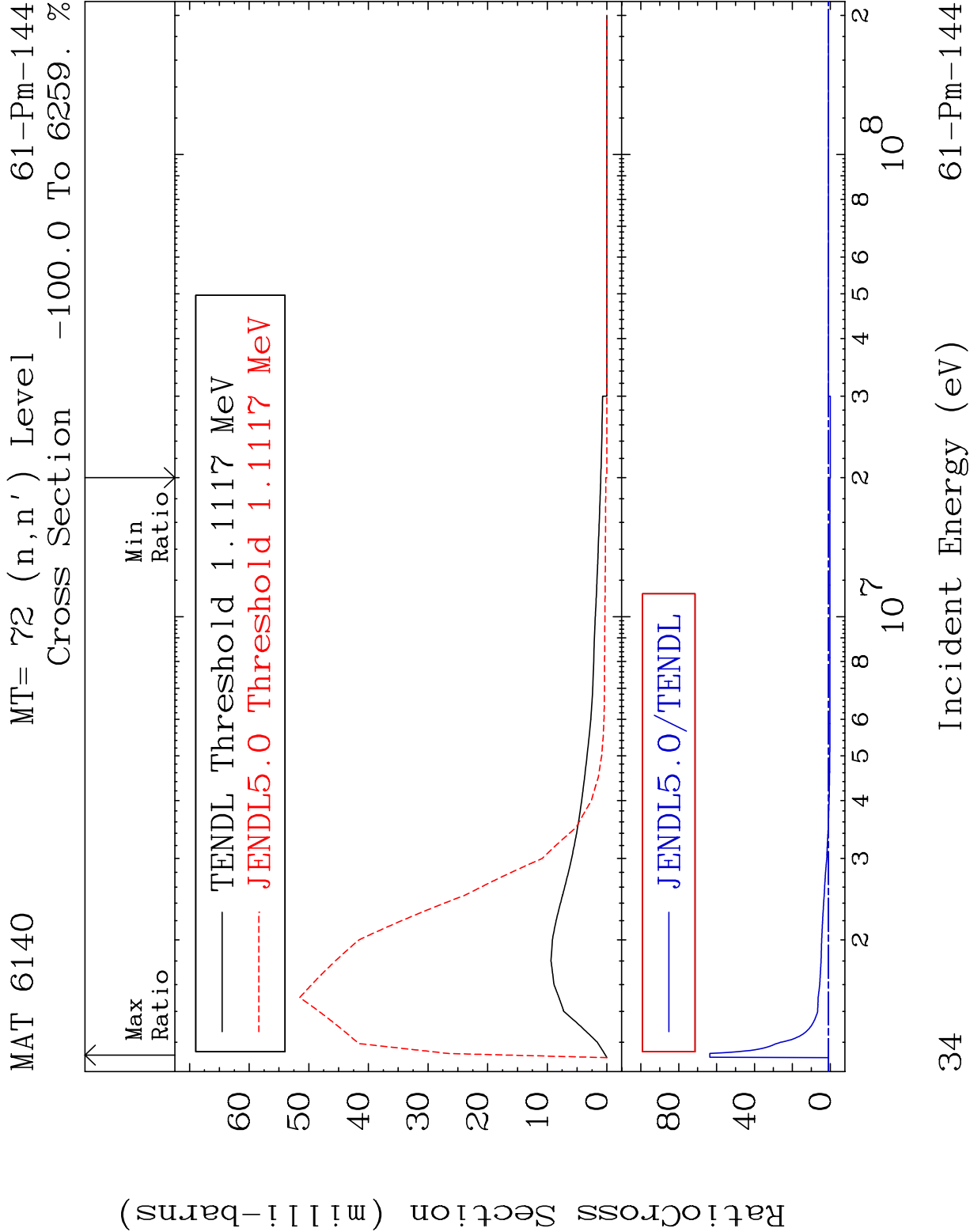


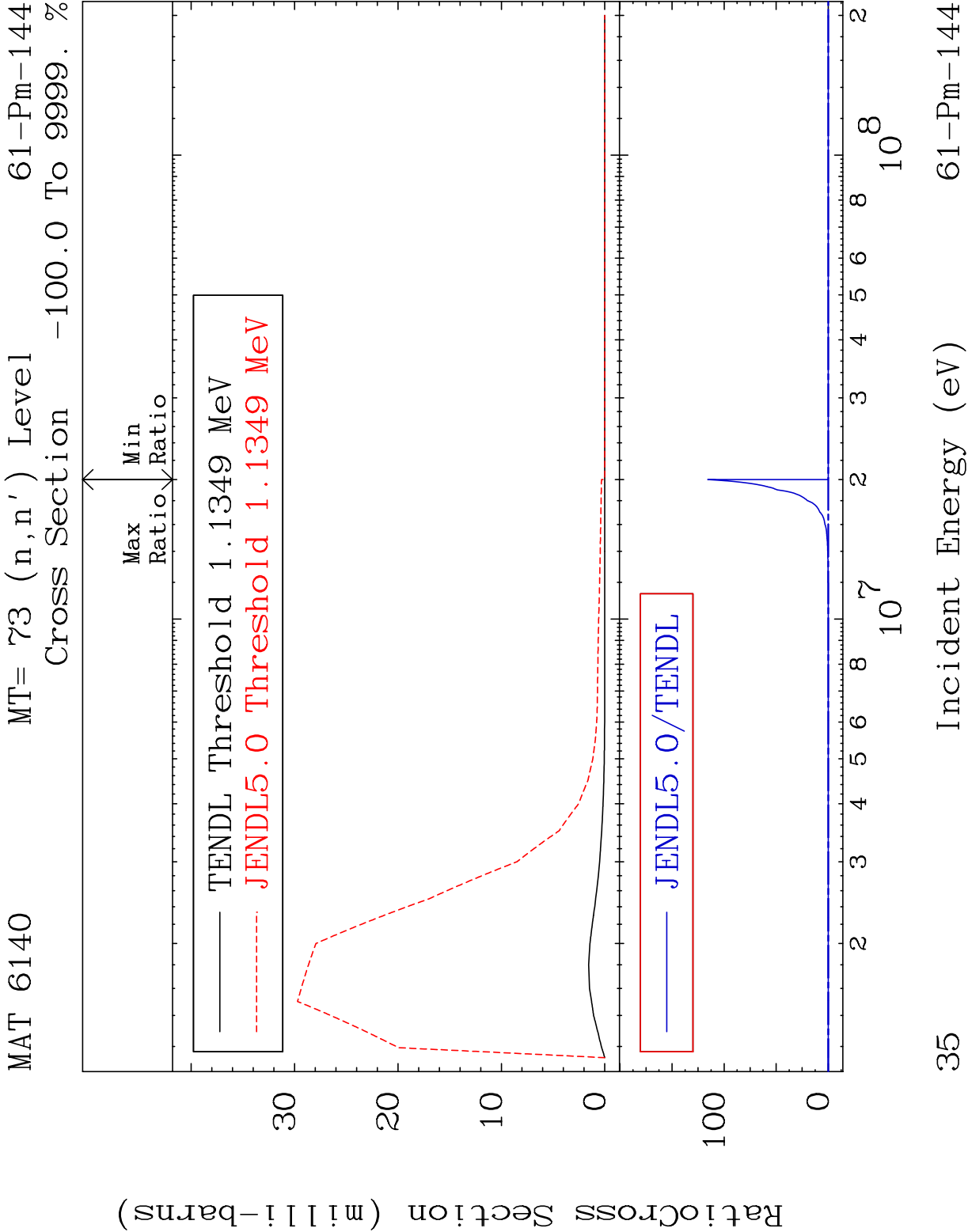


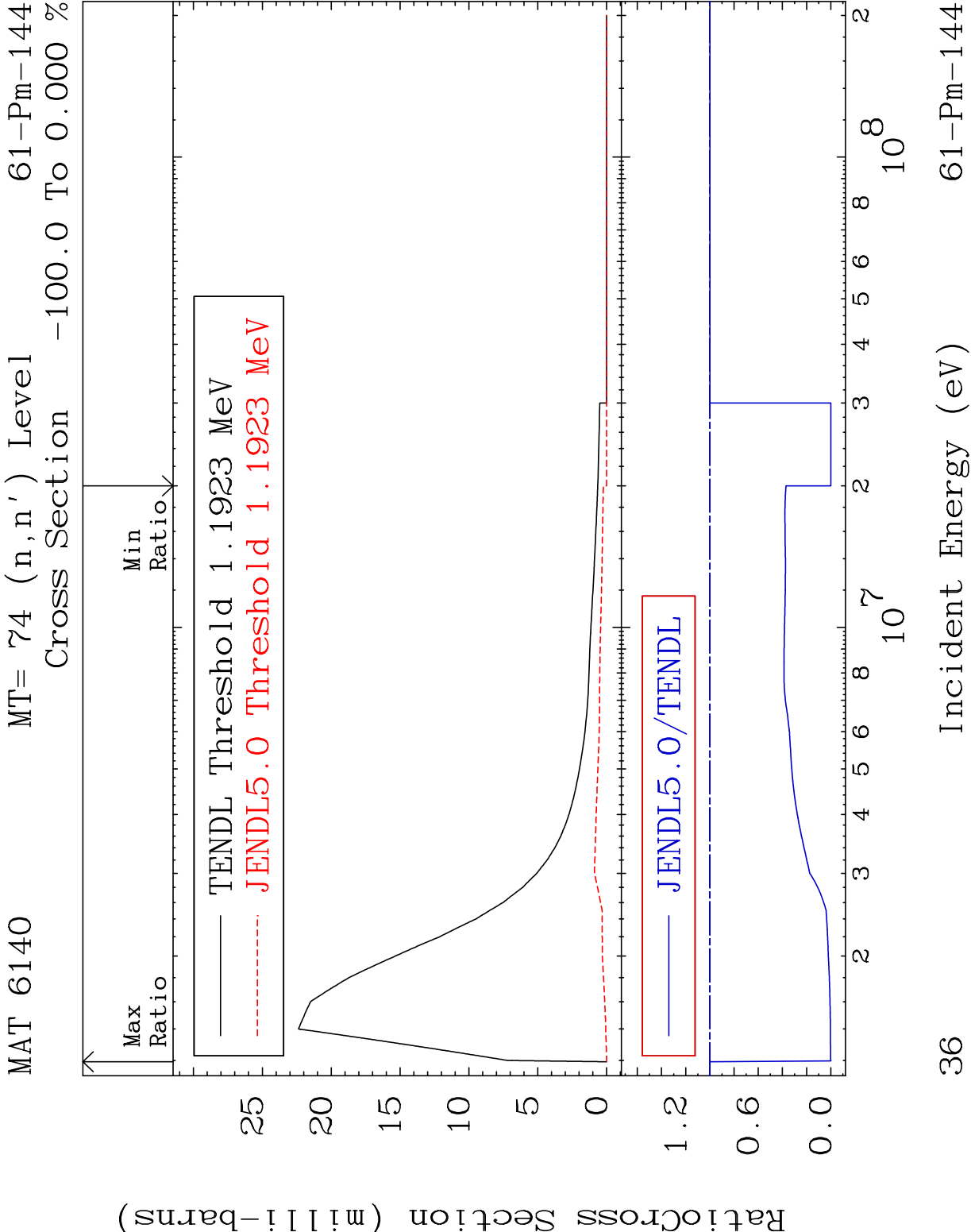


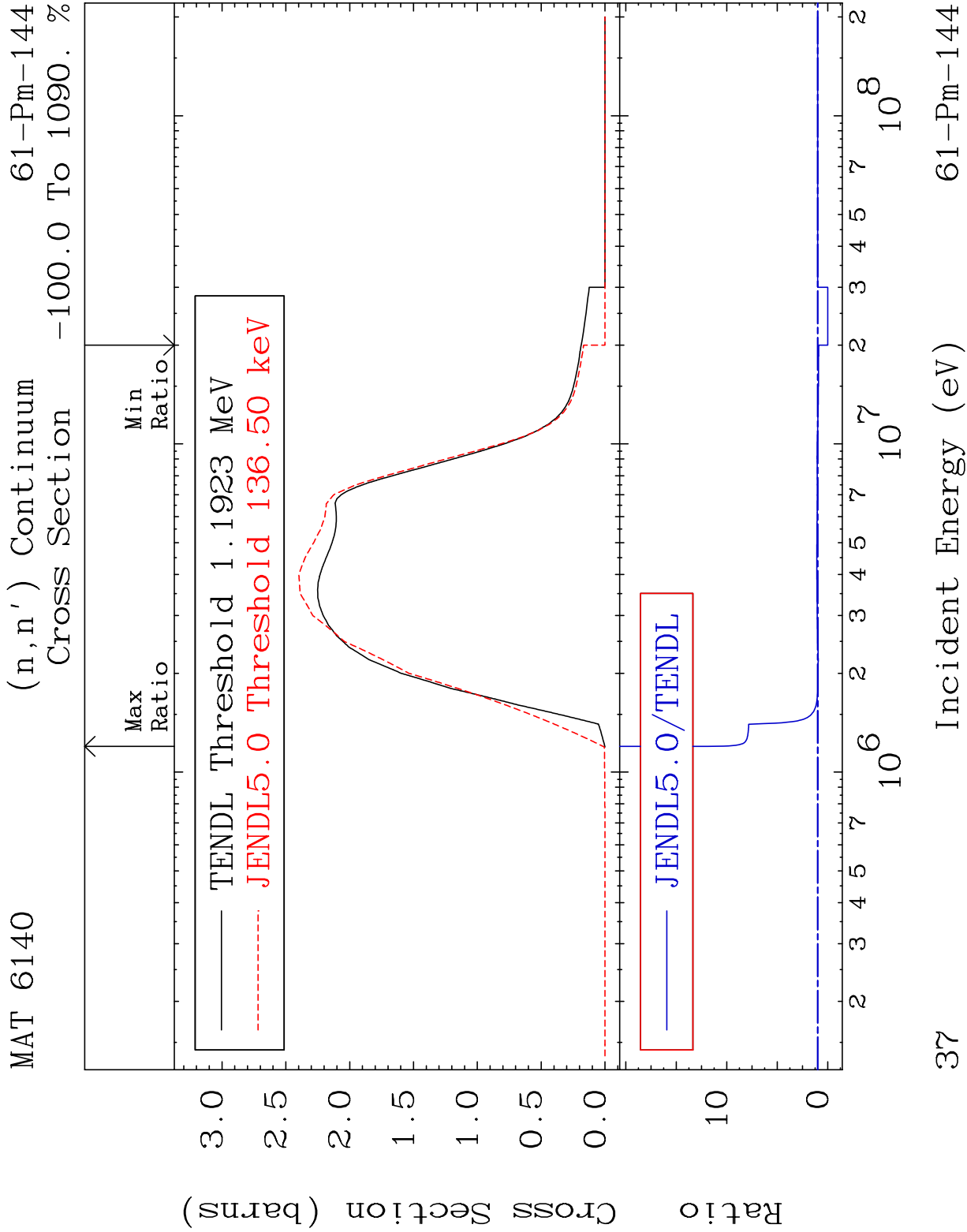


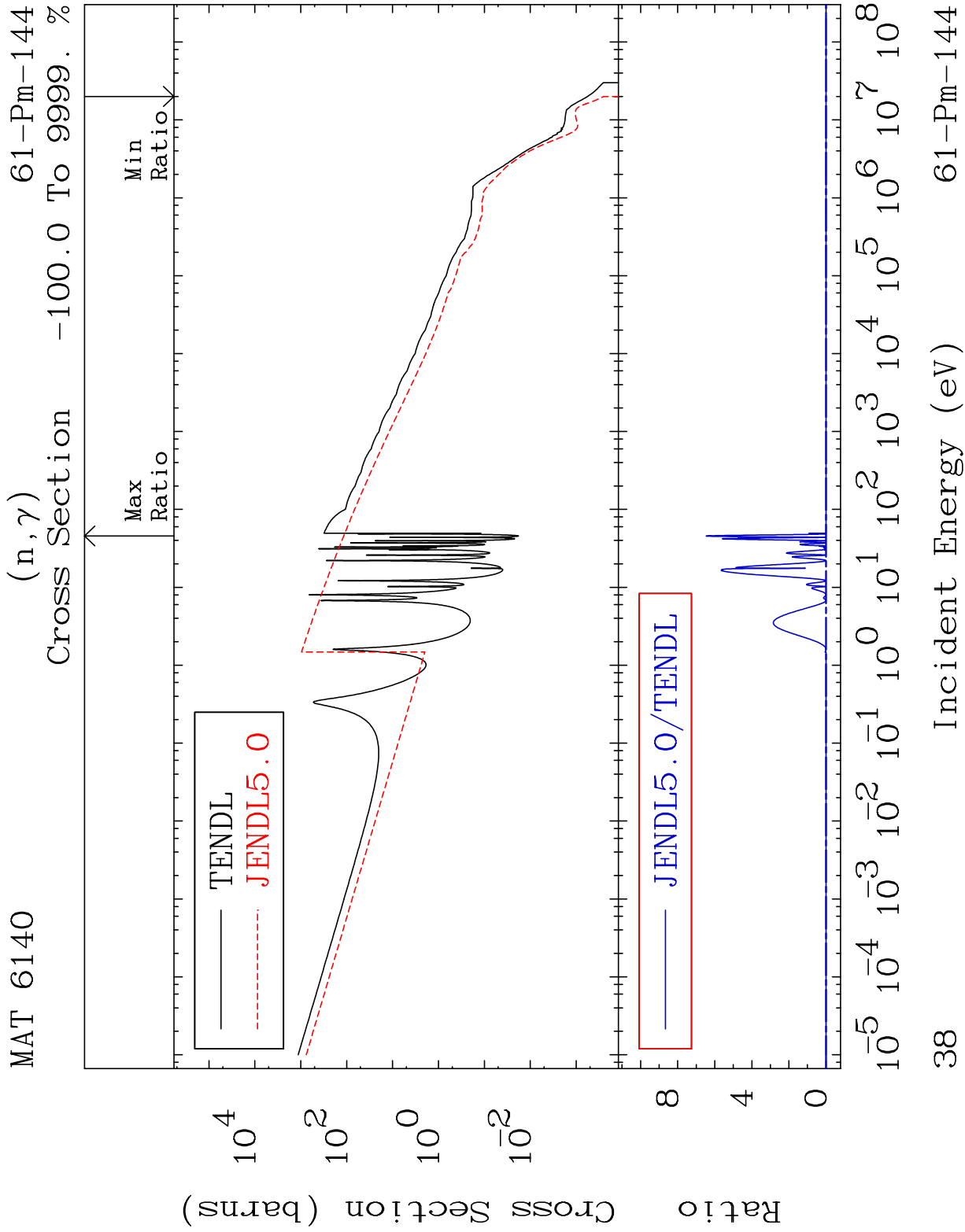


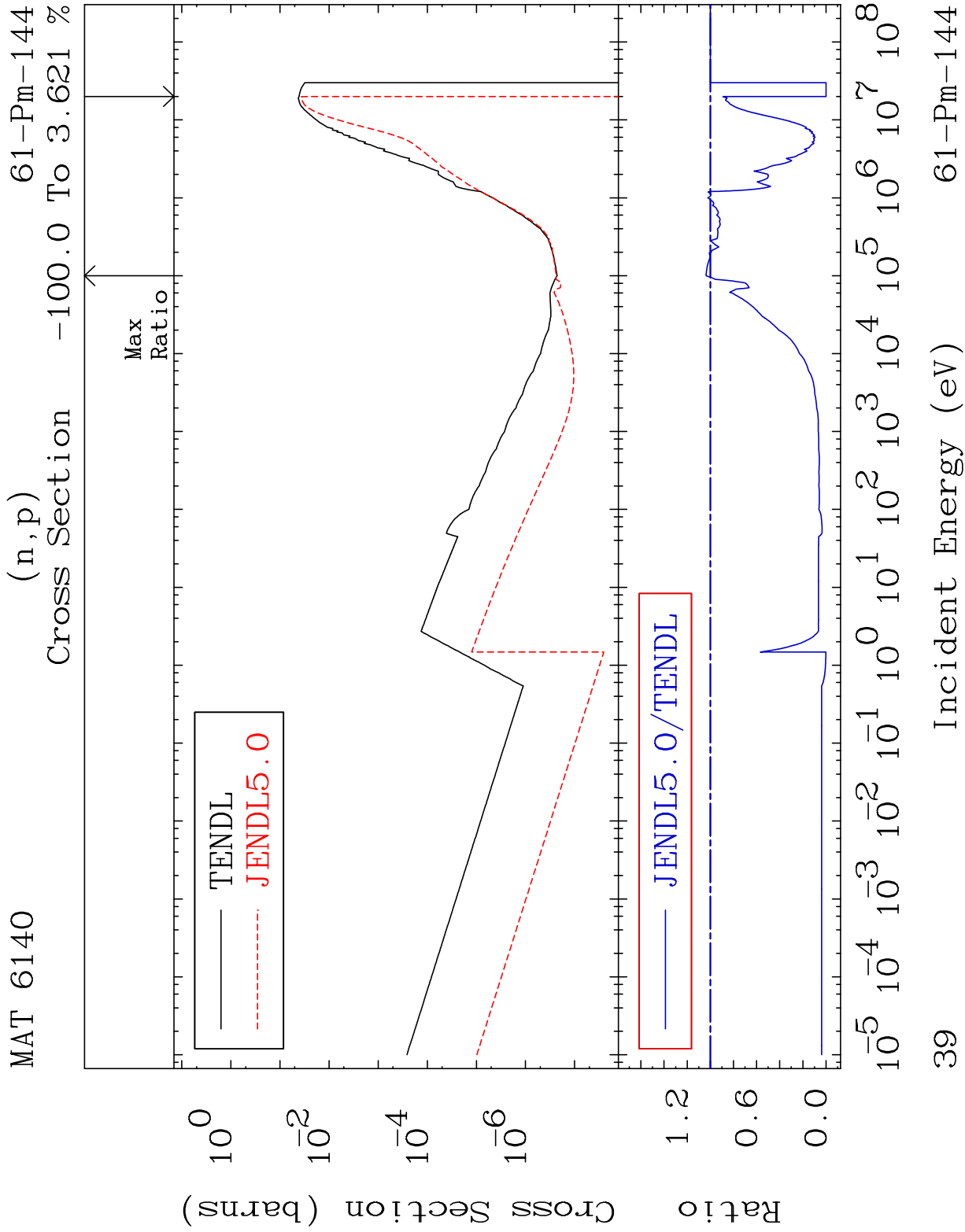


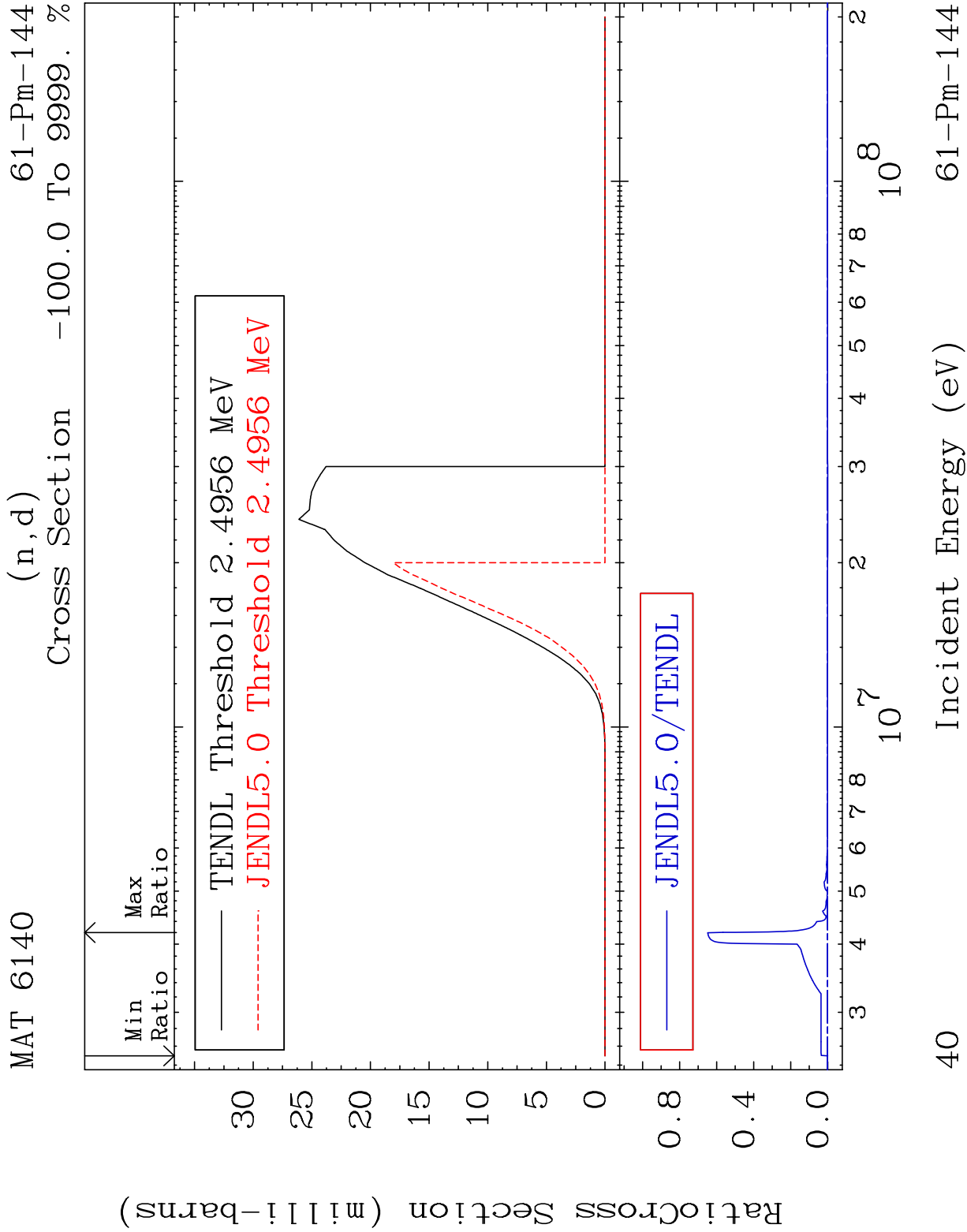


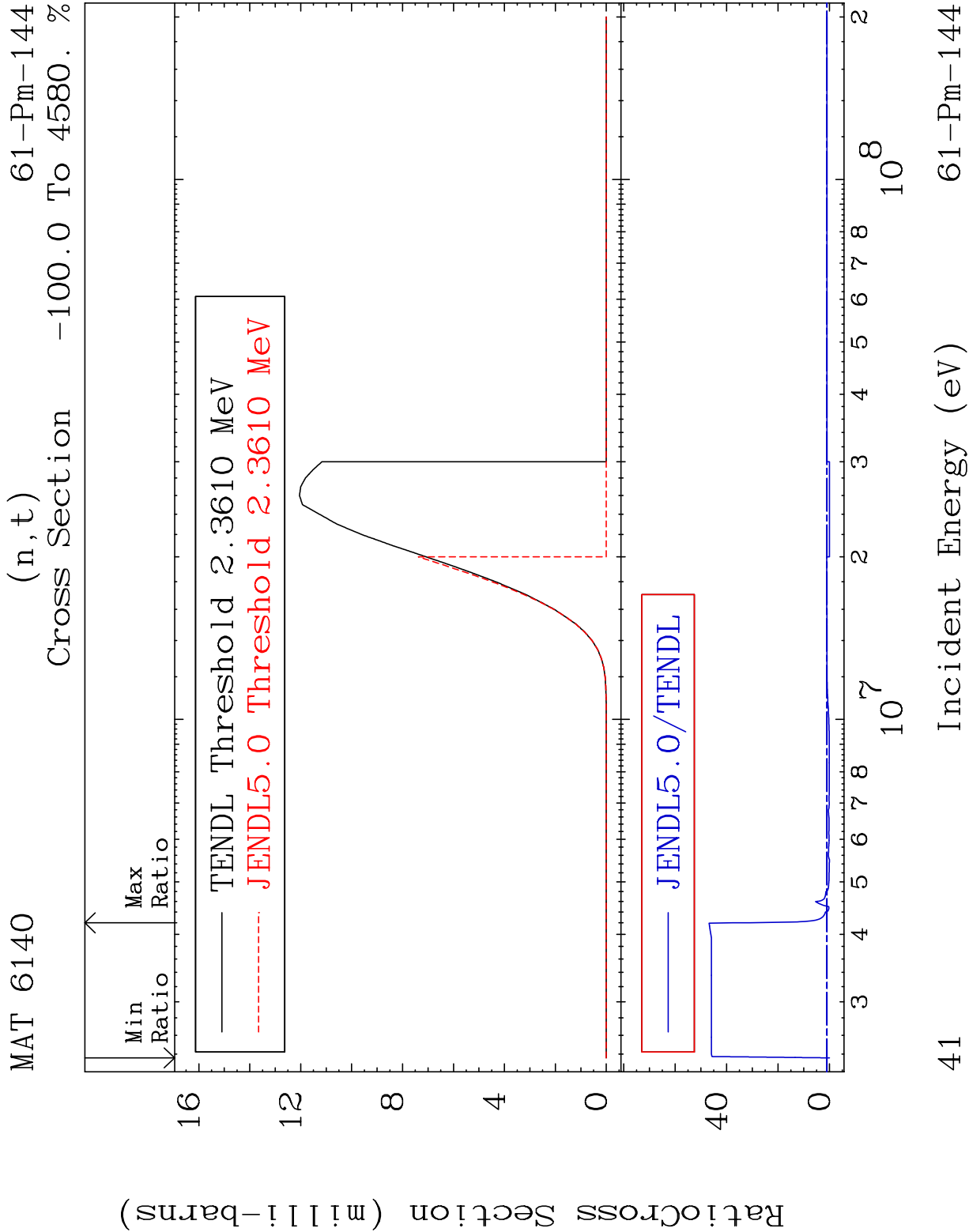


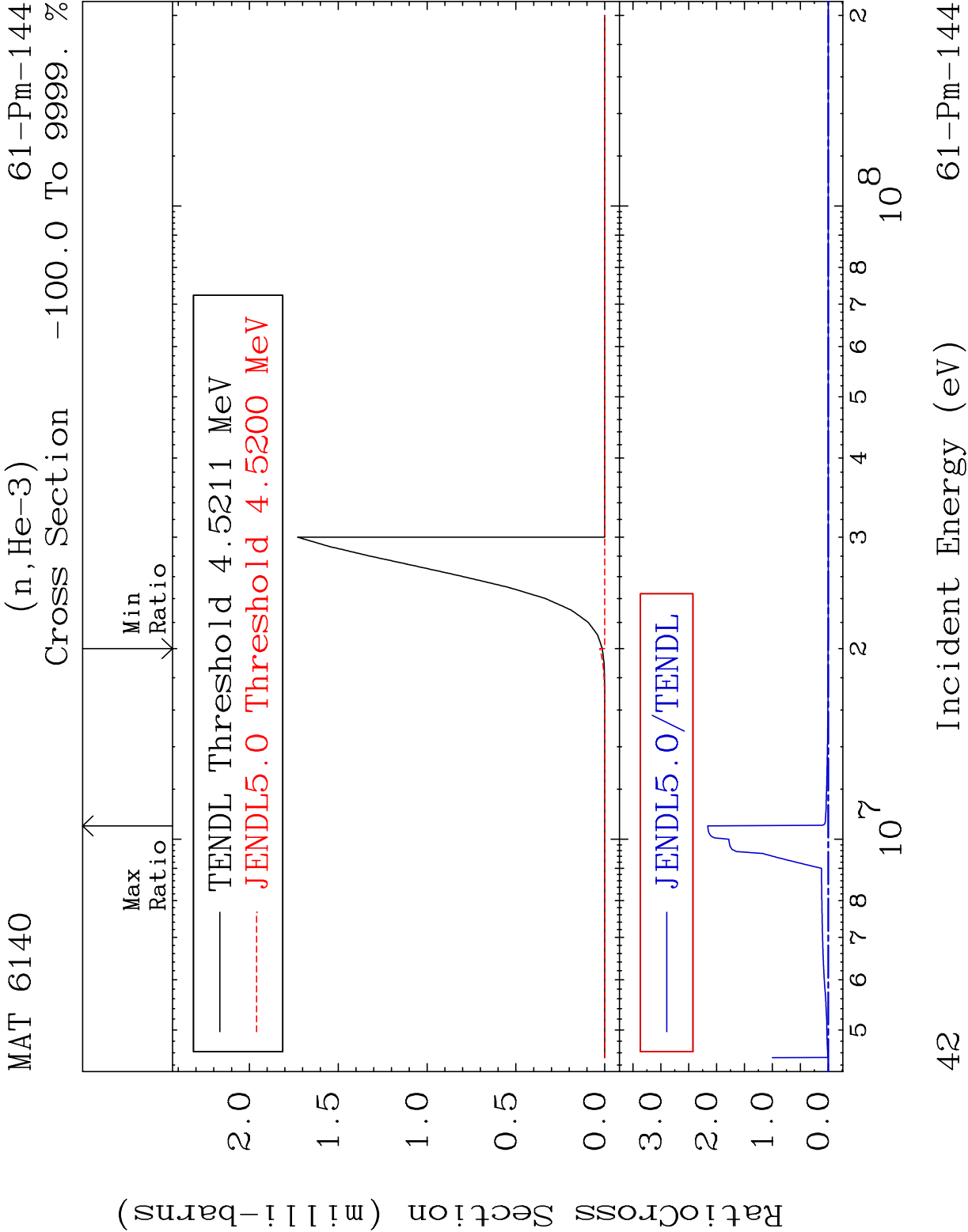


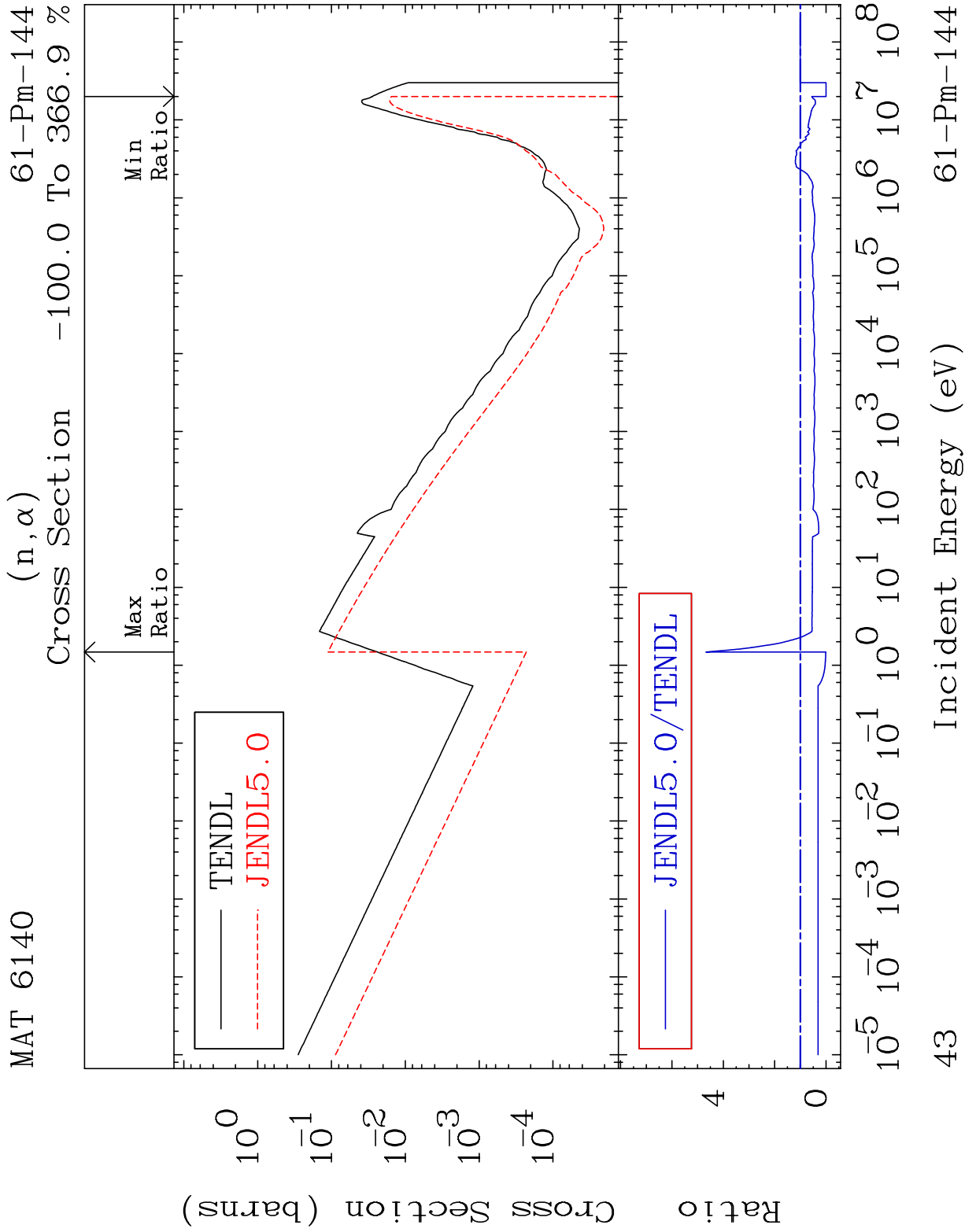










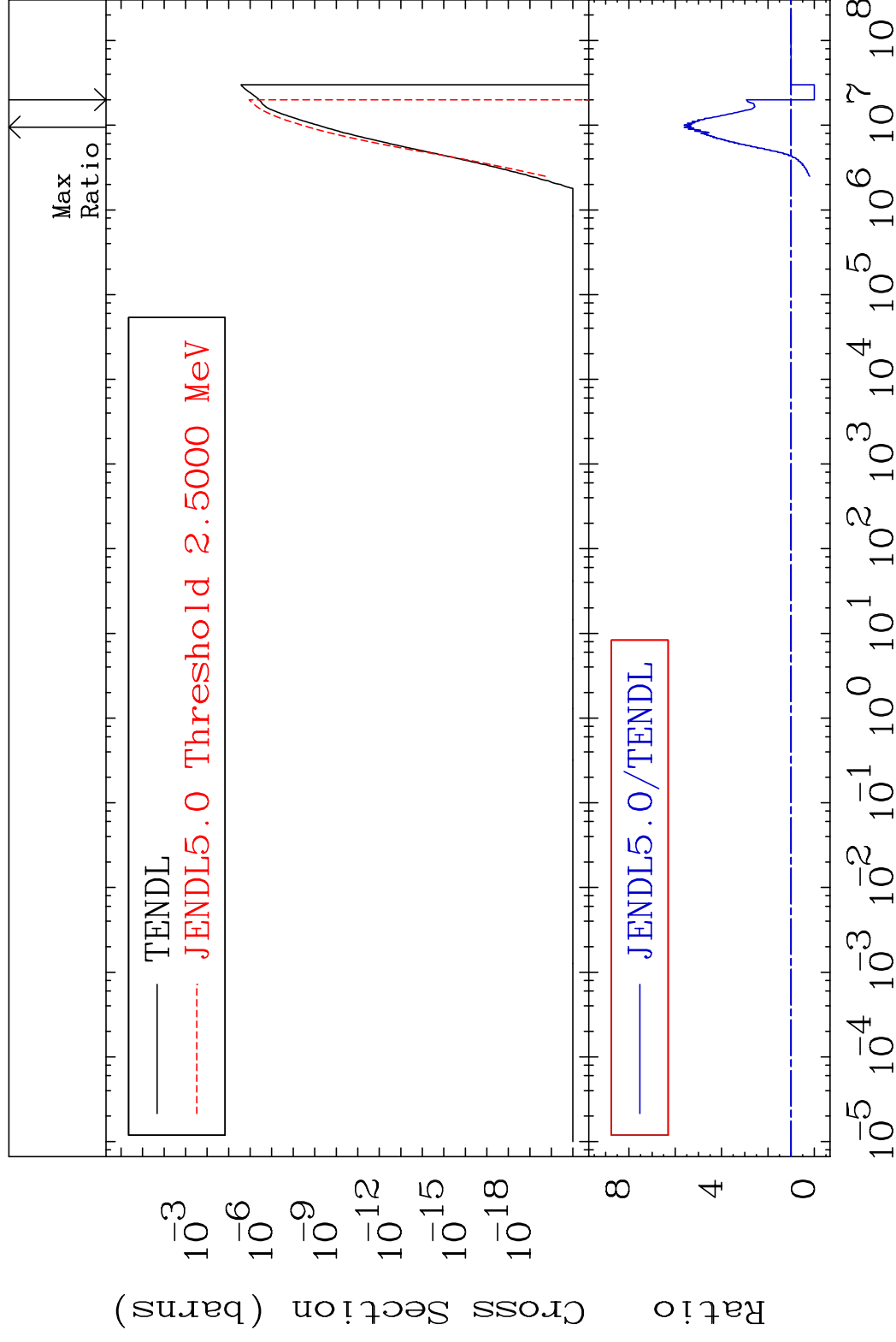


MAT 6140

$$(n, p) \propto$$

61-Pm-144

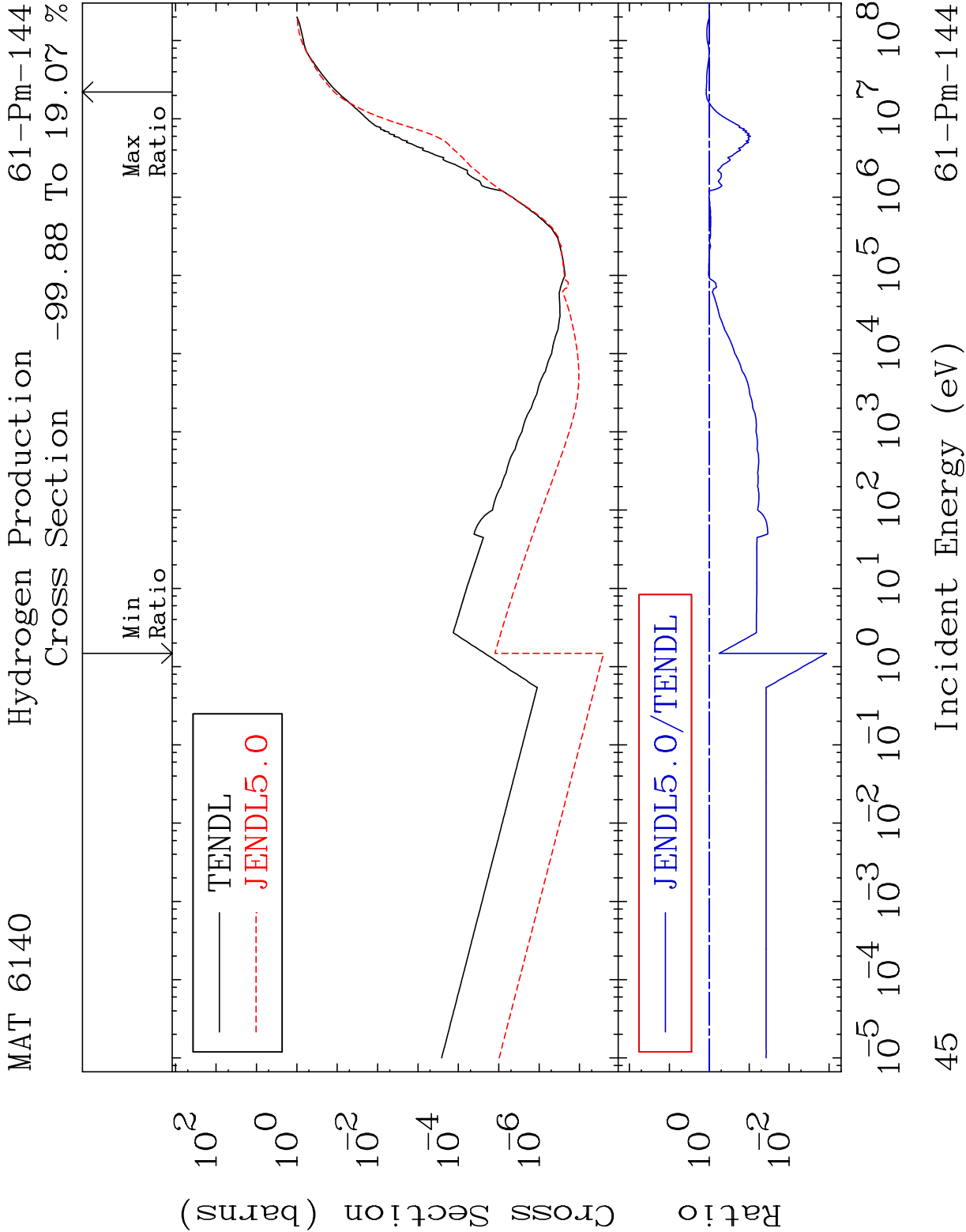
Cross Section -100.0 To 462.0 %

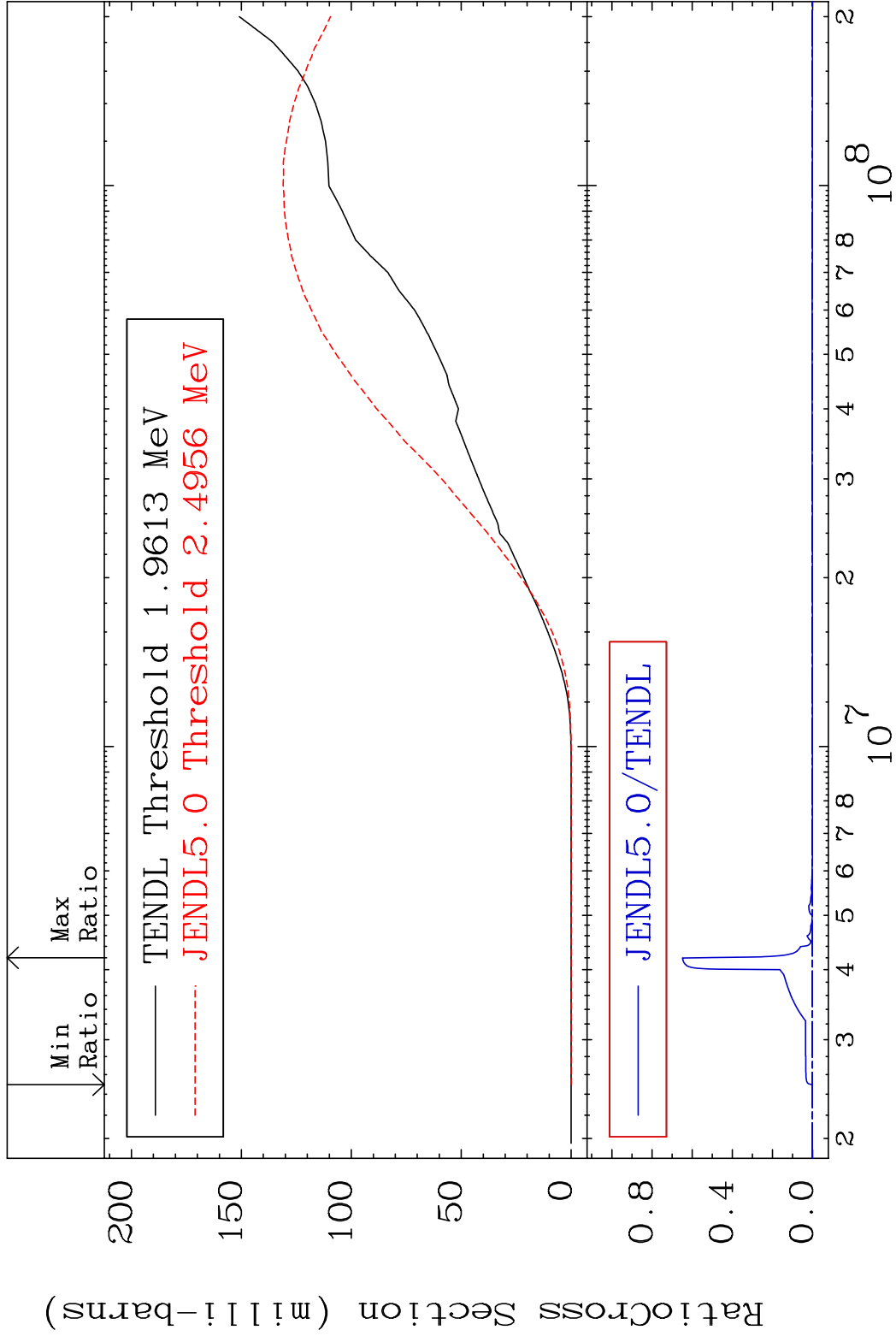


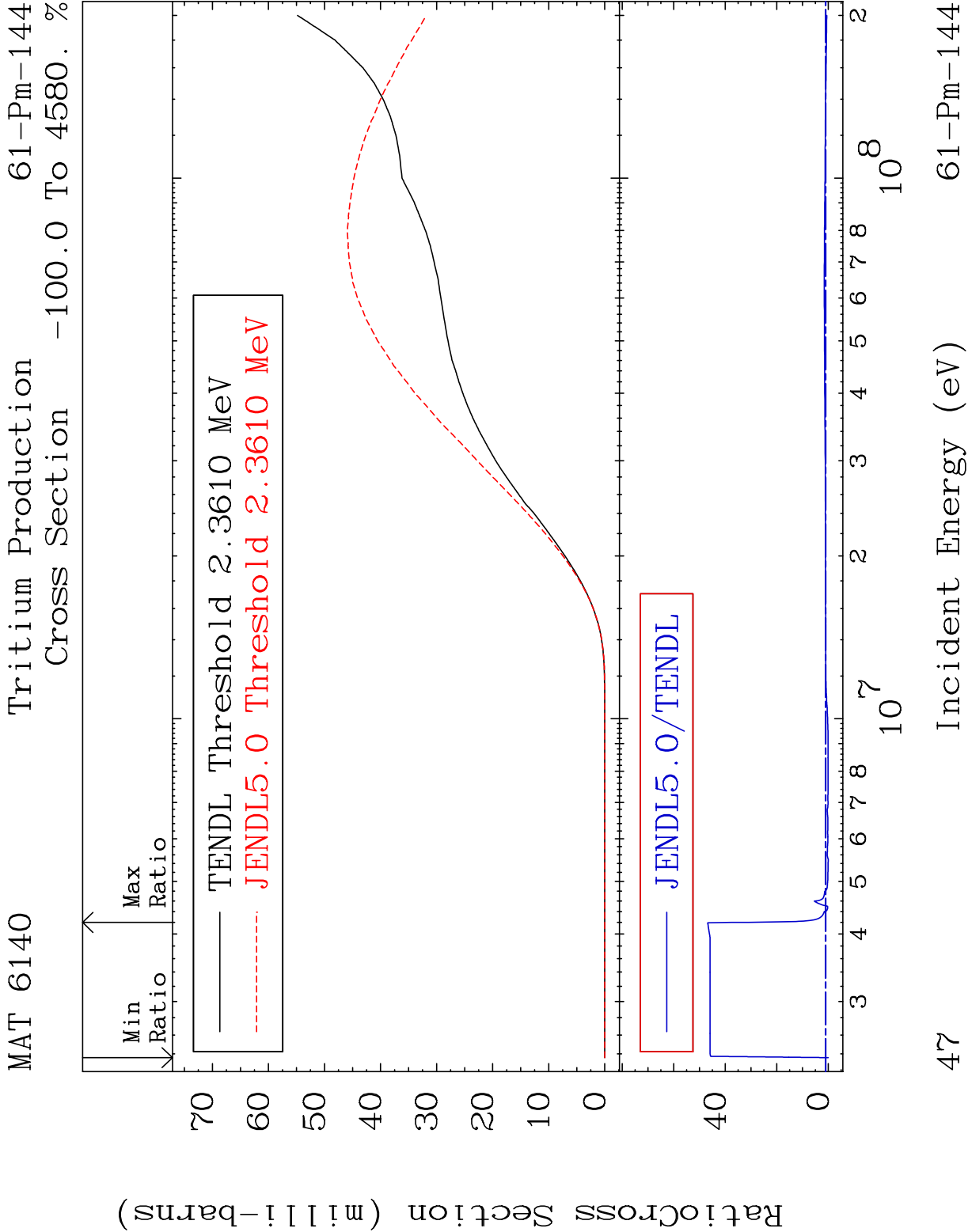
44

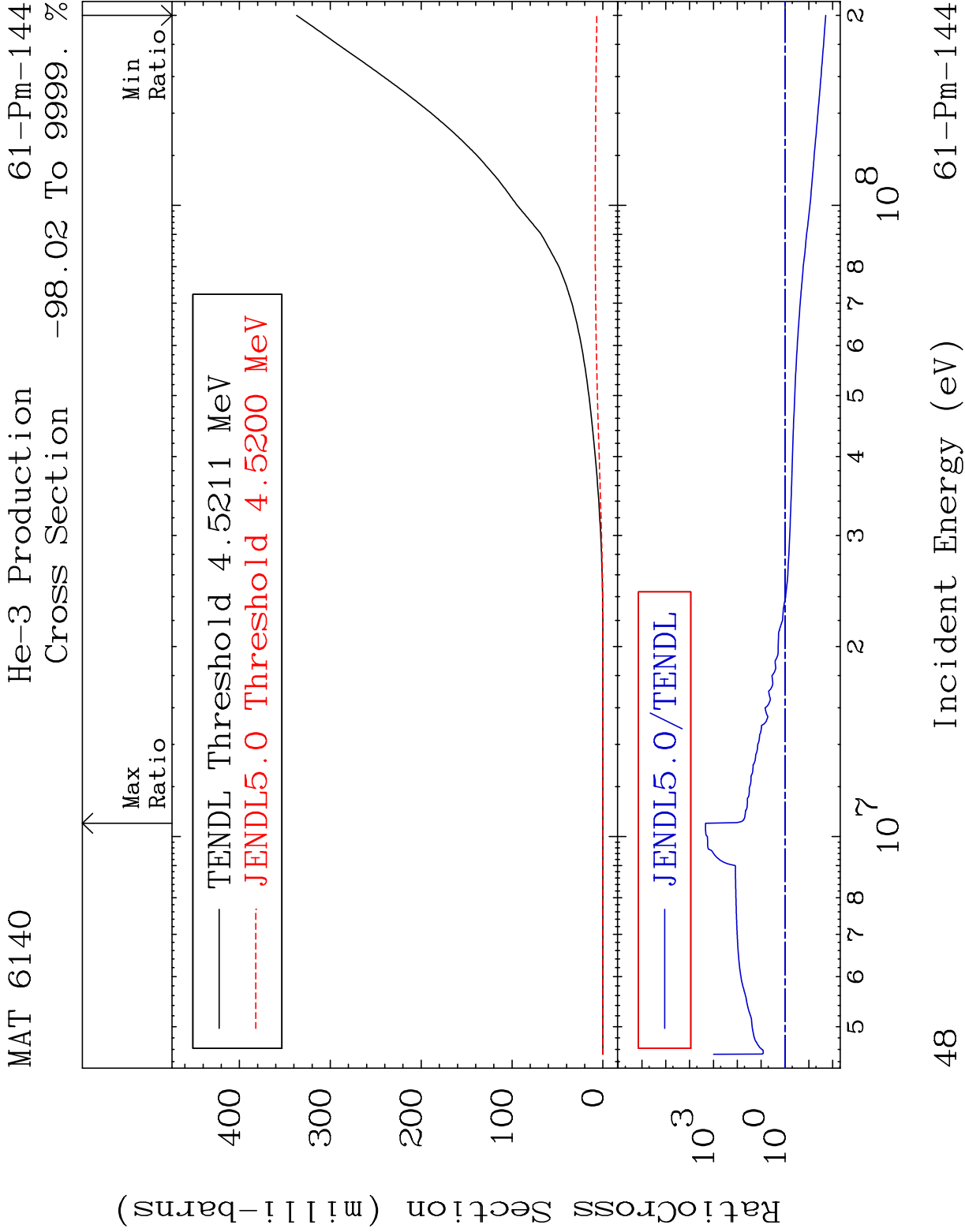
Incident Energy (eV)

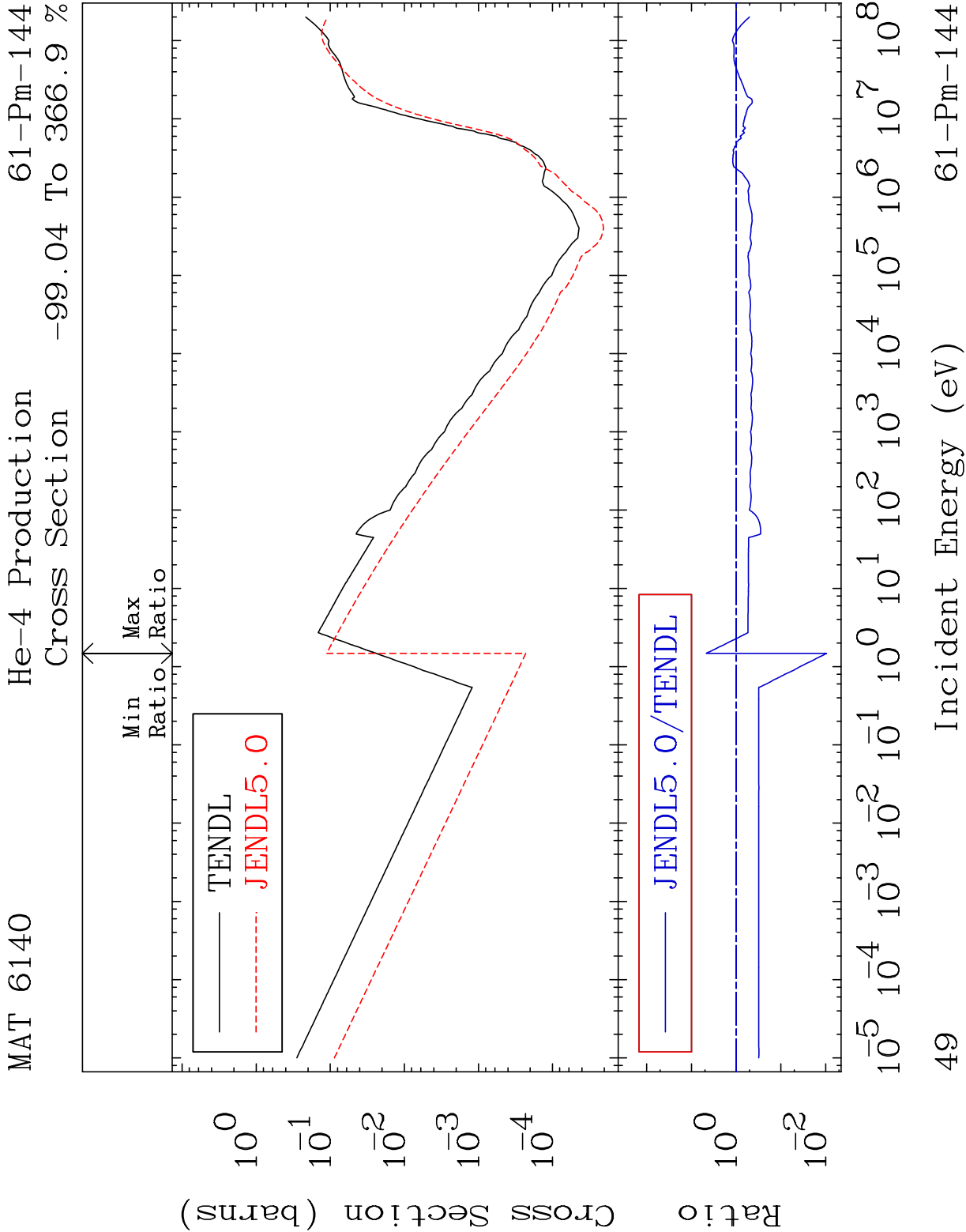
61-Pm-144

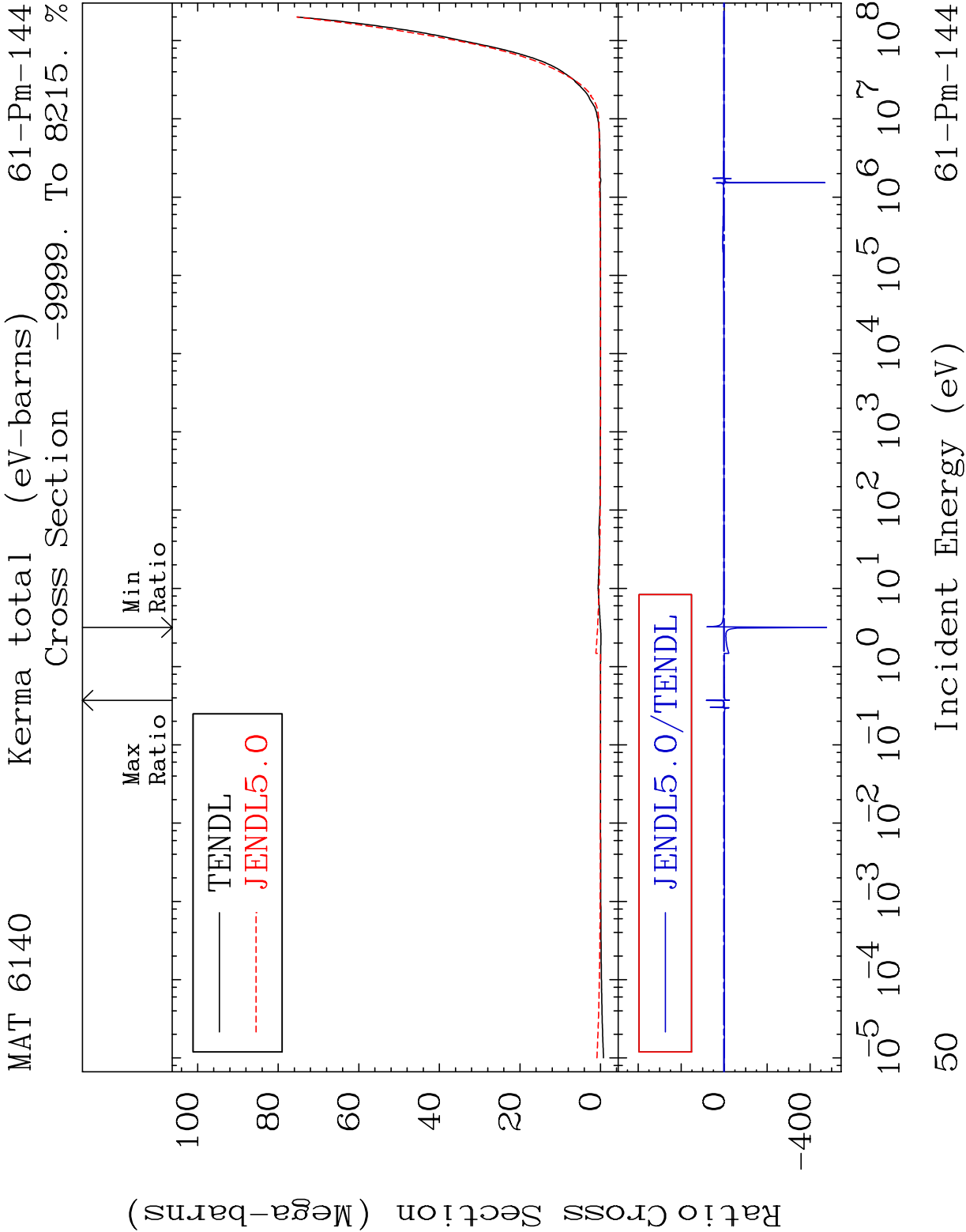


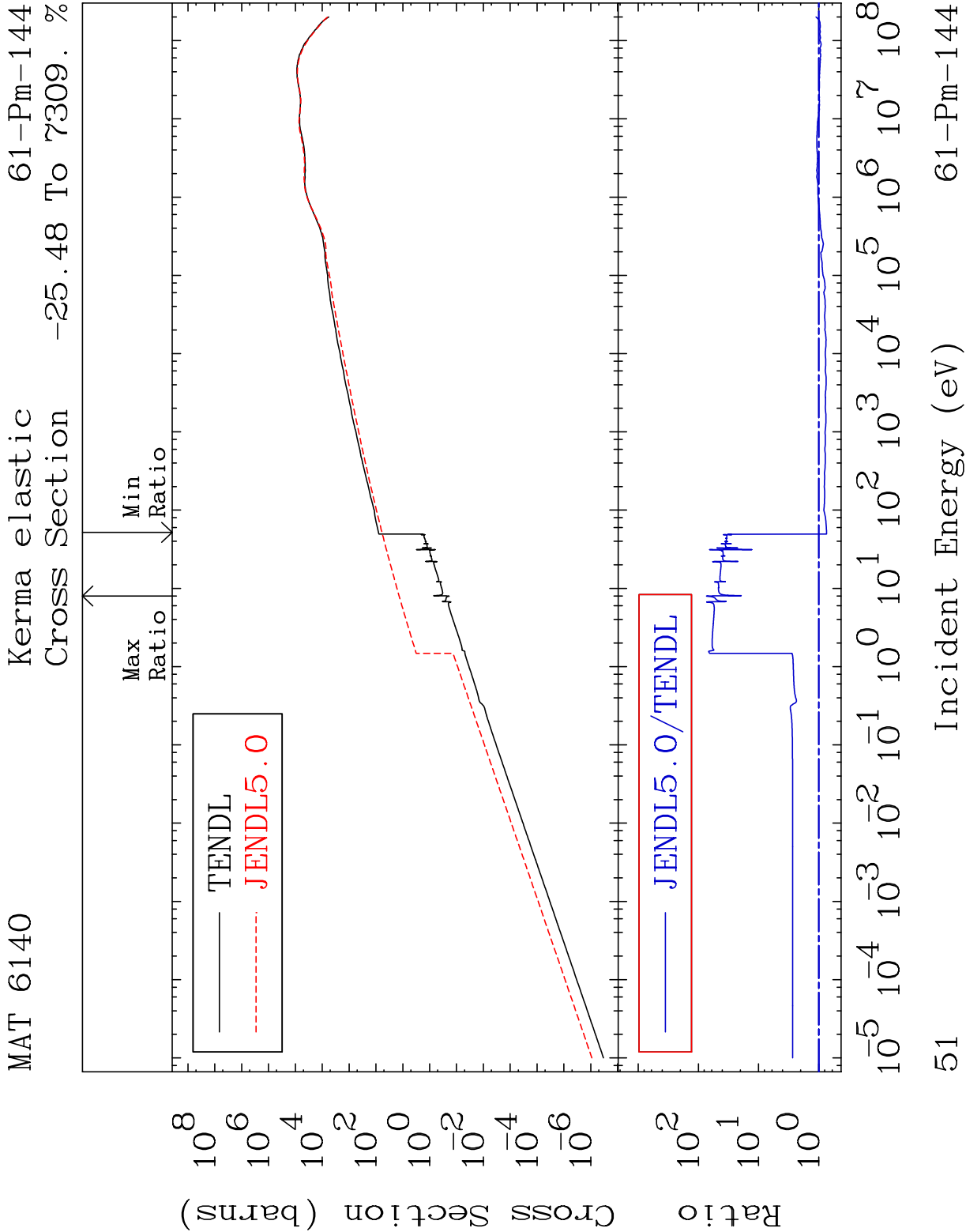


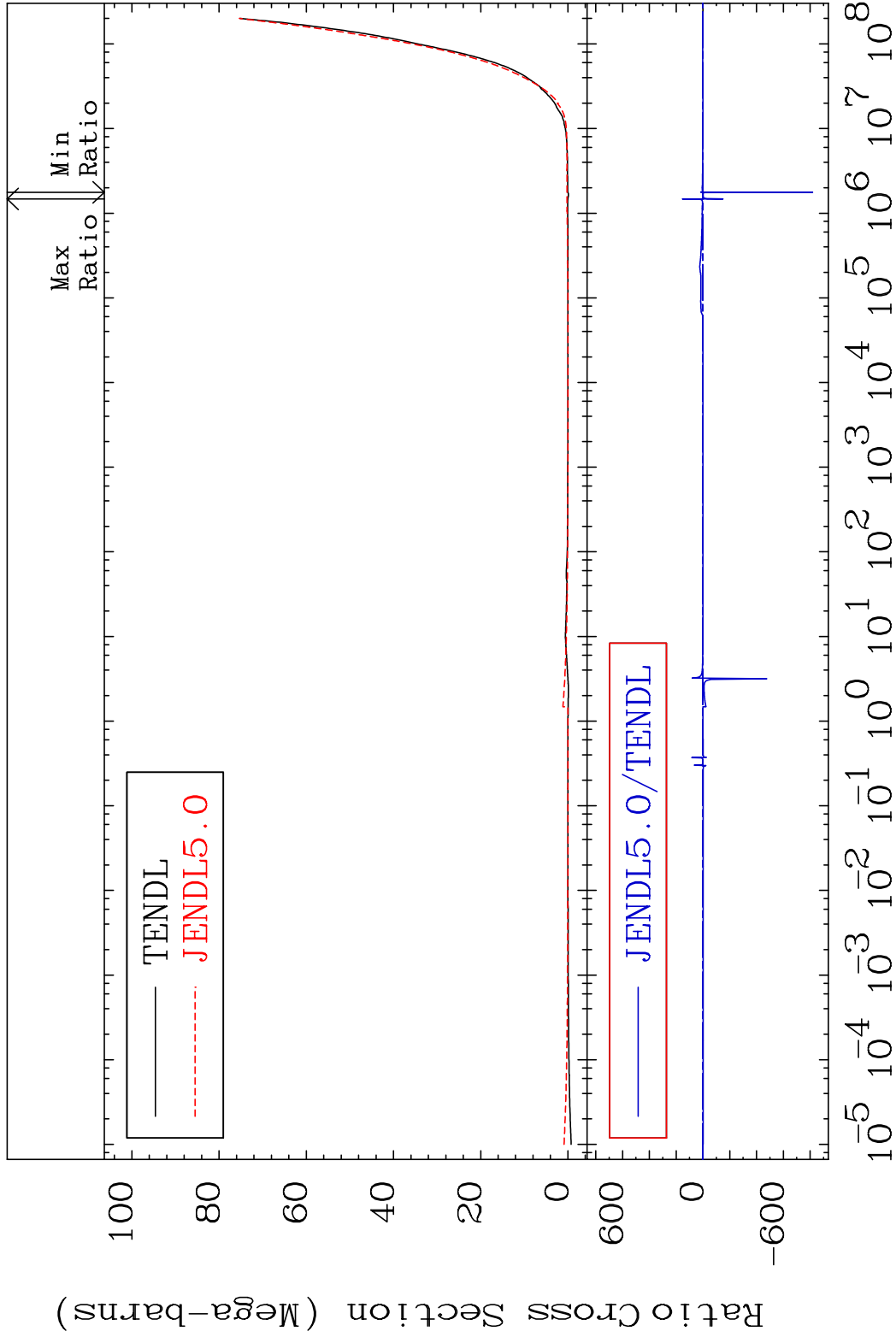


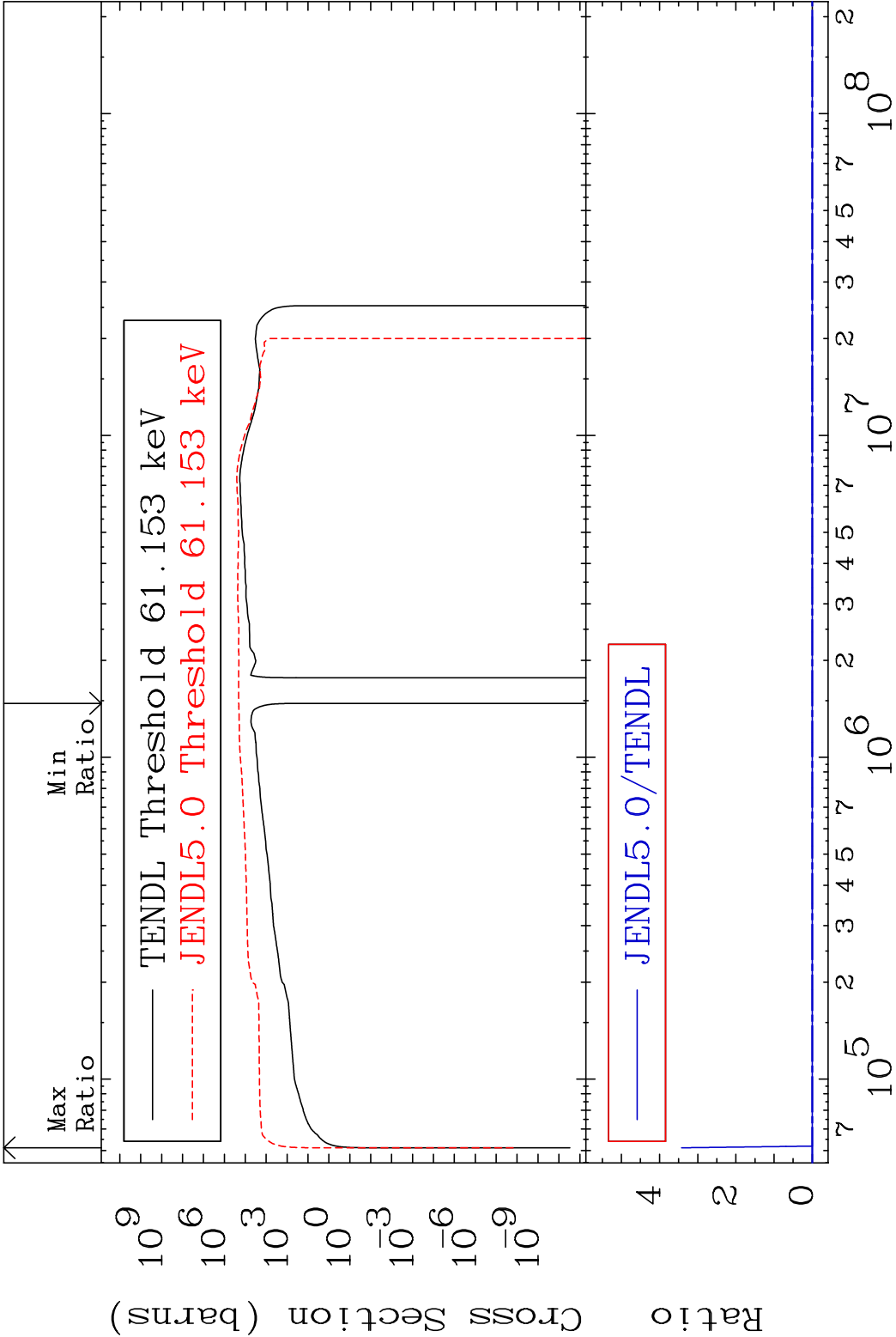




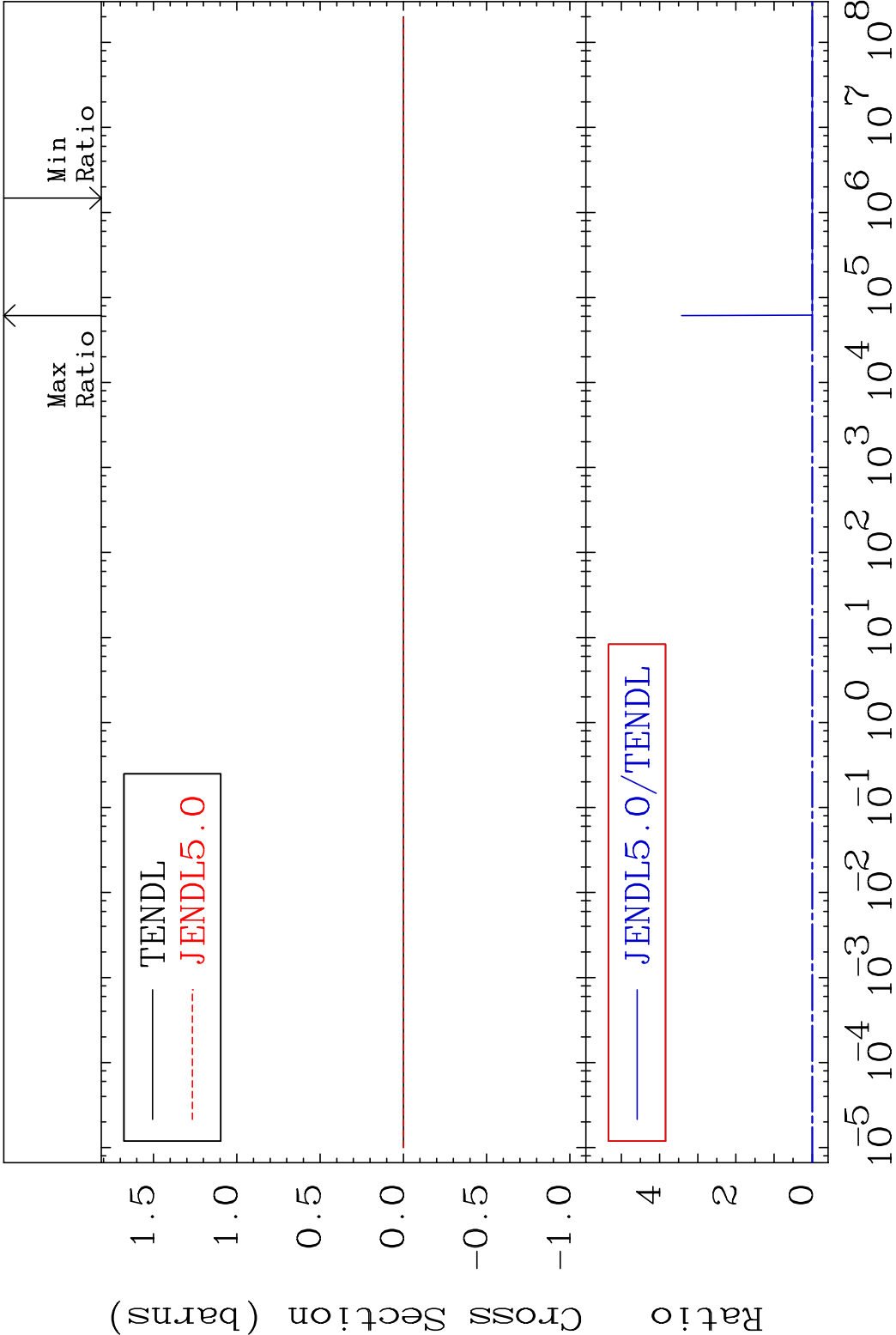


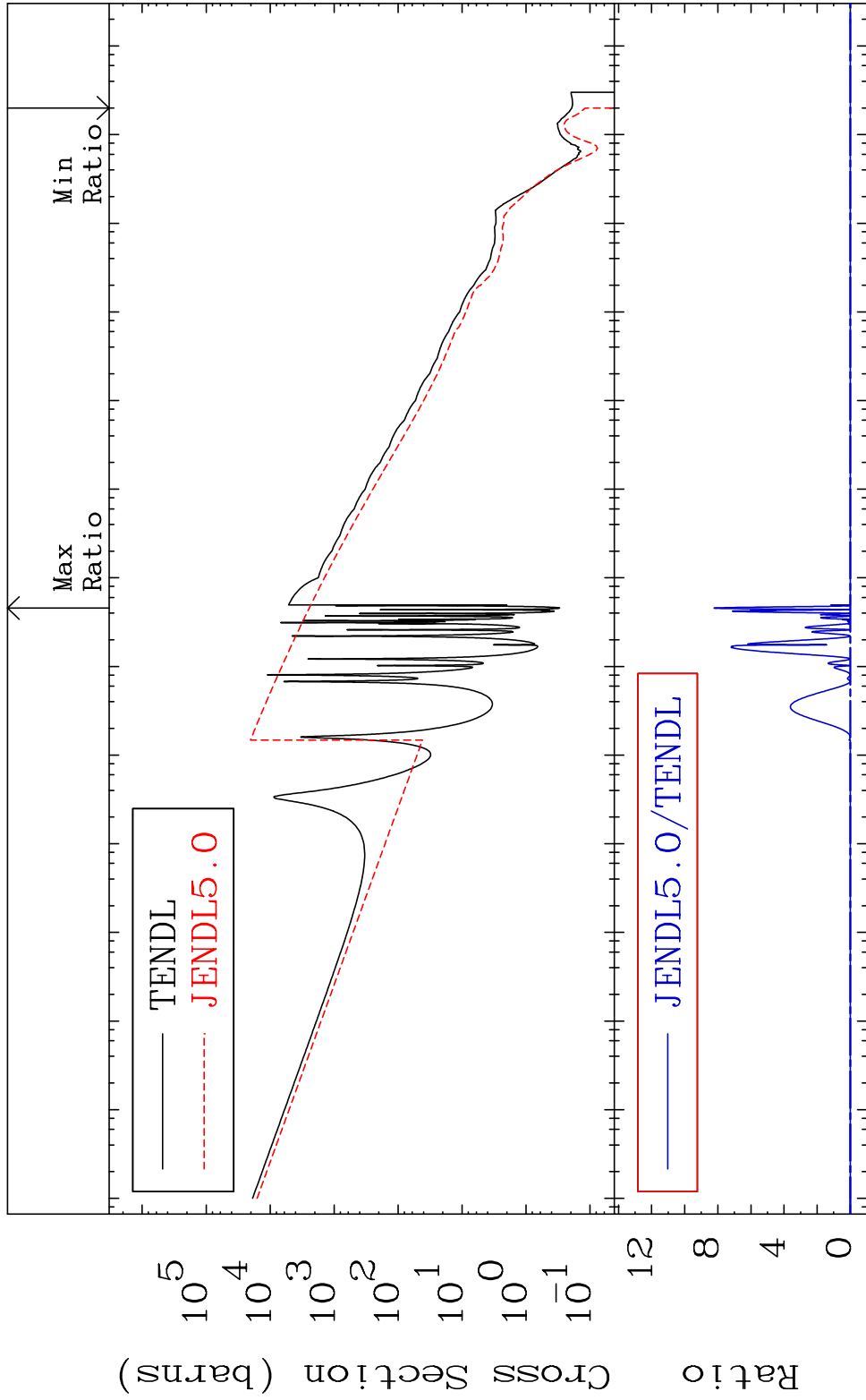




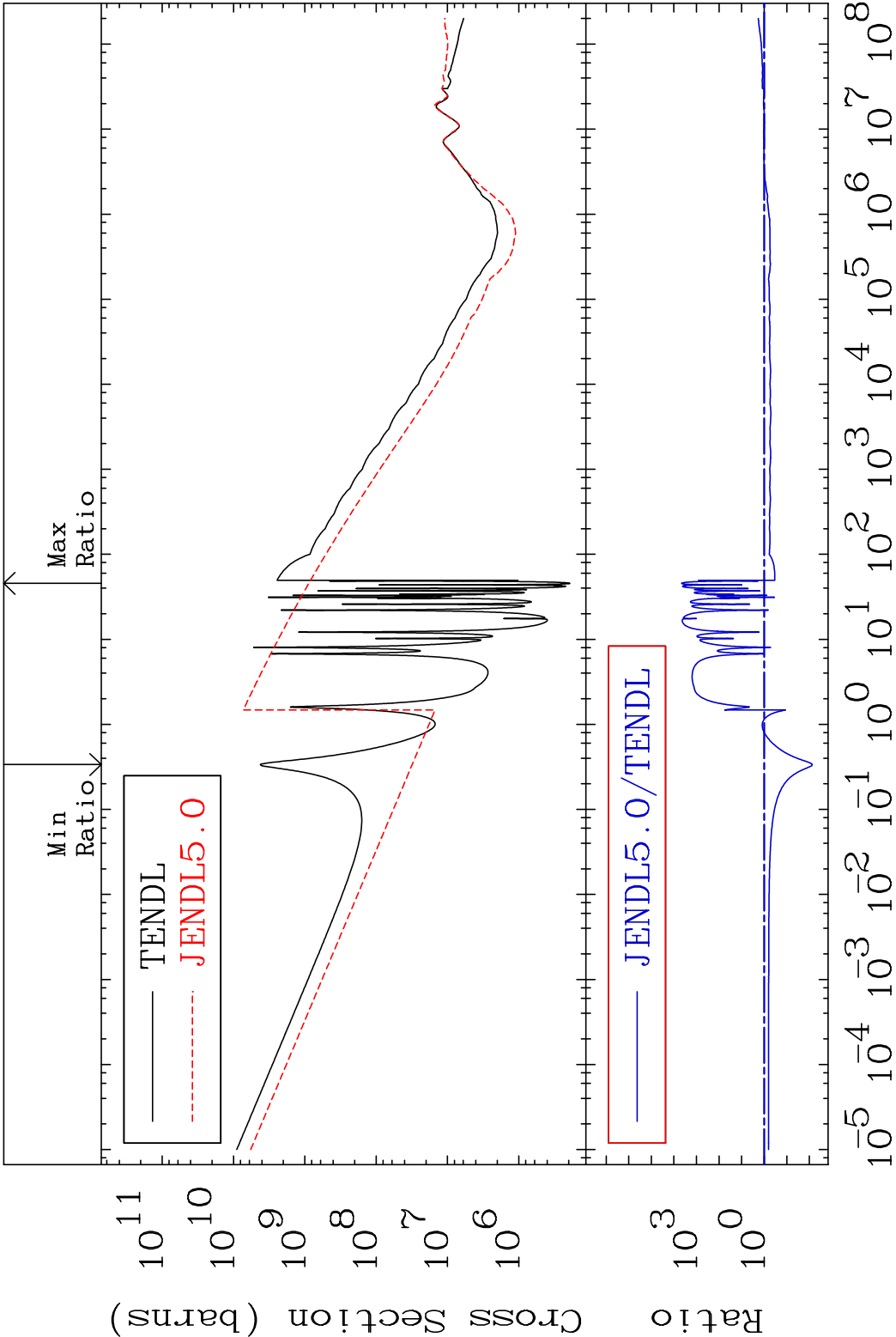


MAT 6140 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-144  
 Cross Section -9999. To 9999. %

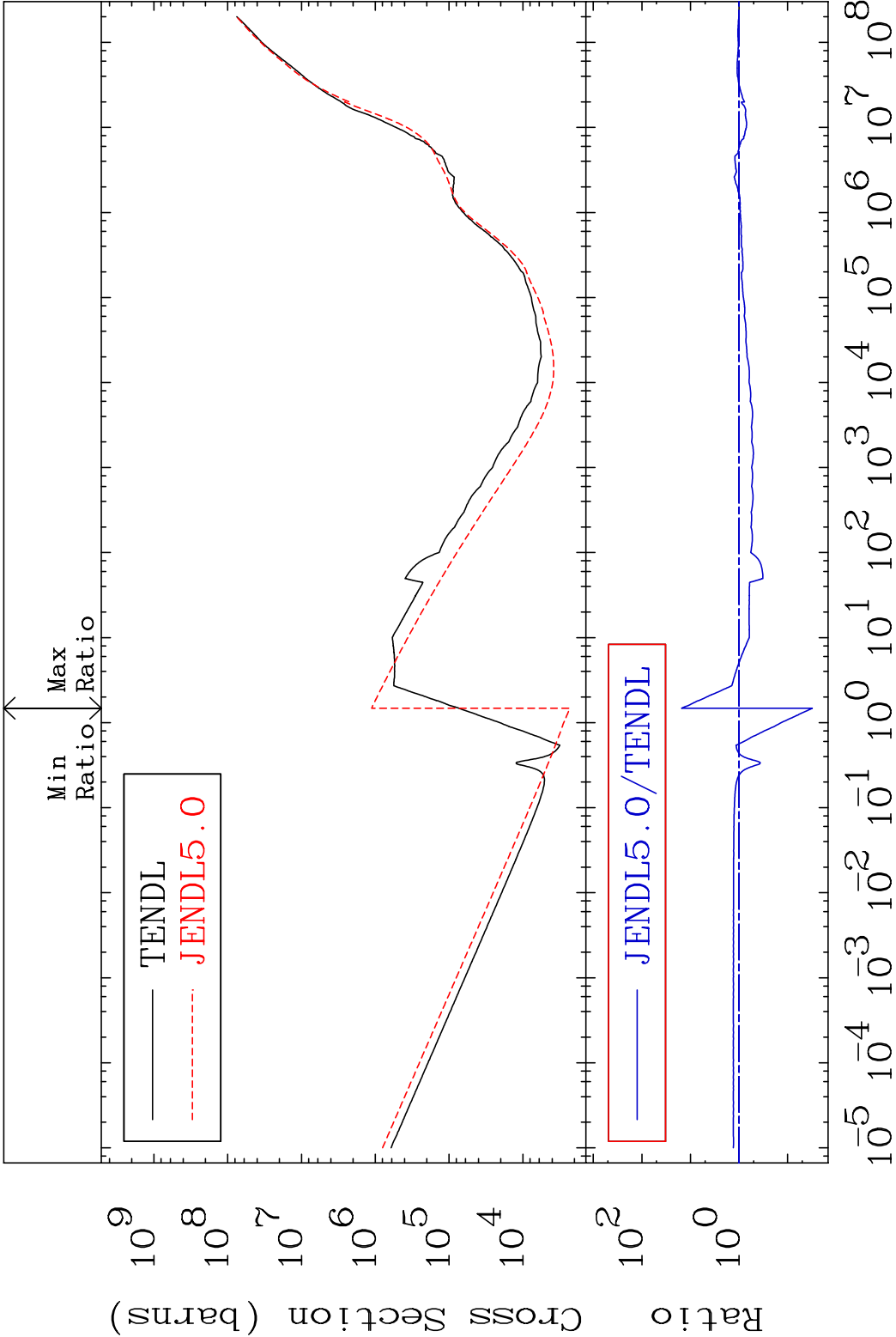


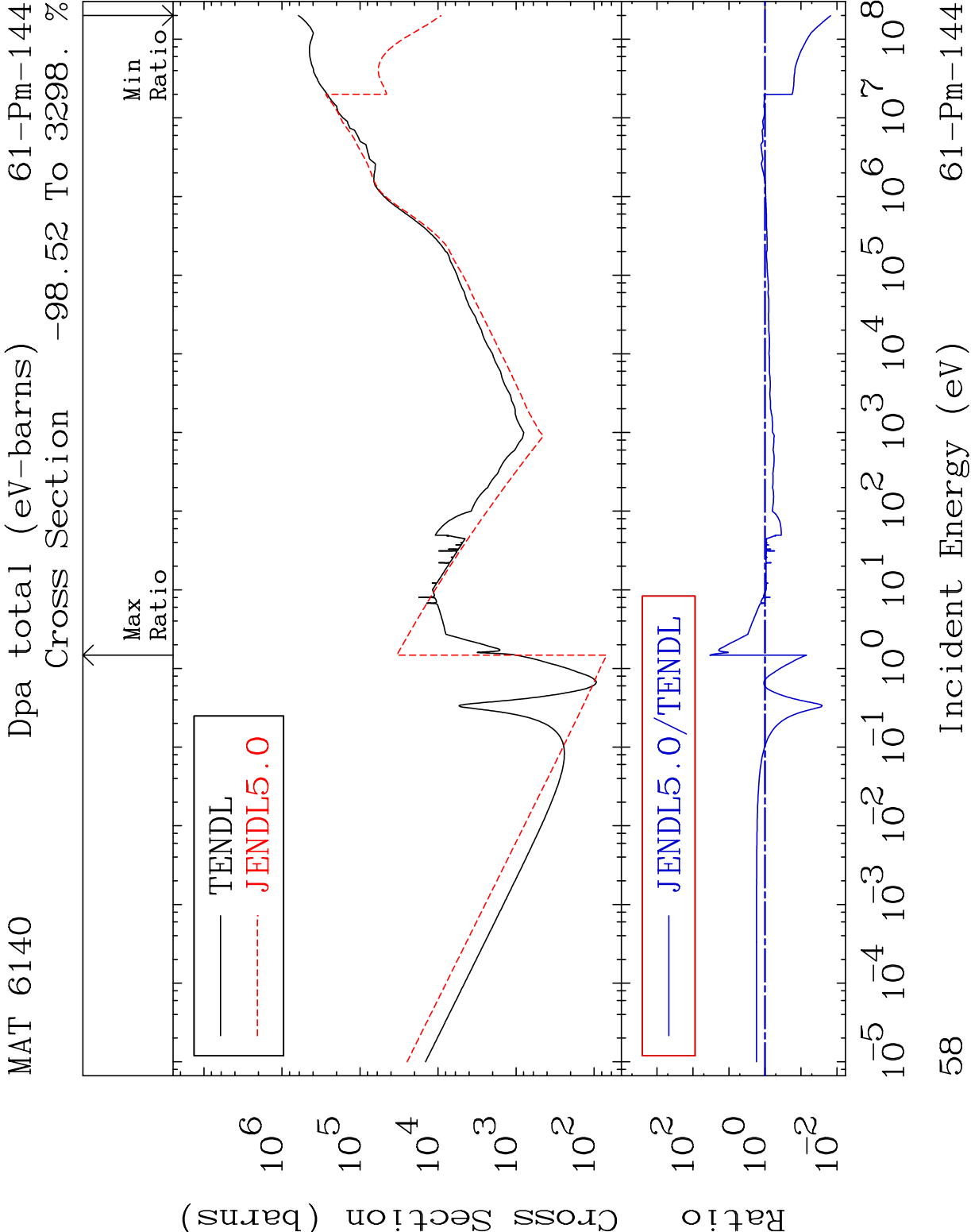


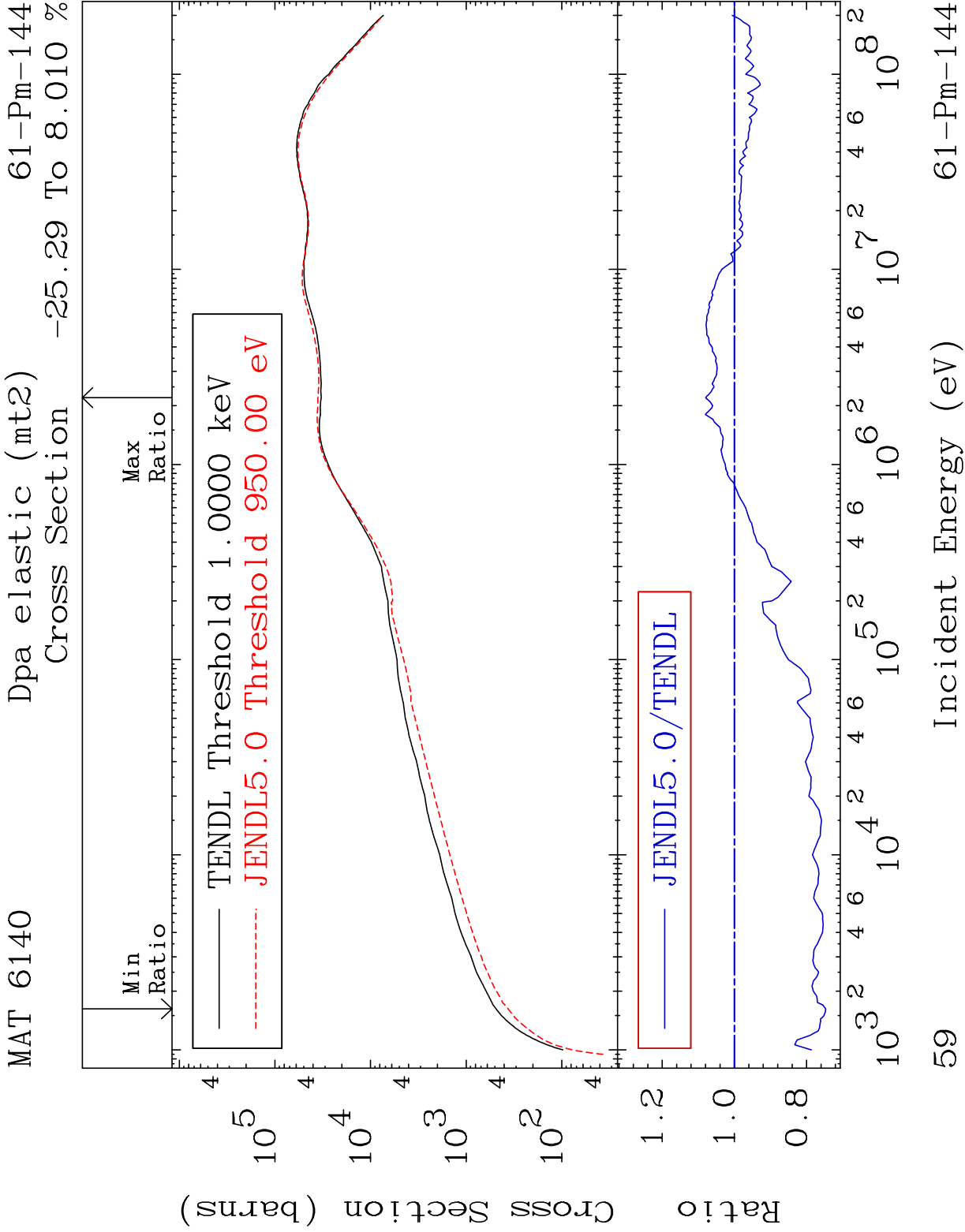
MAT 6140      Total photon (eV-barns)      61-Pm-144  
Cross Section    -99.25 To 9999. %

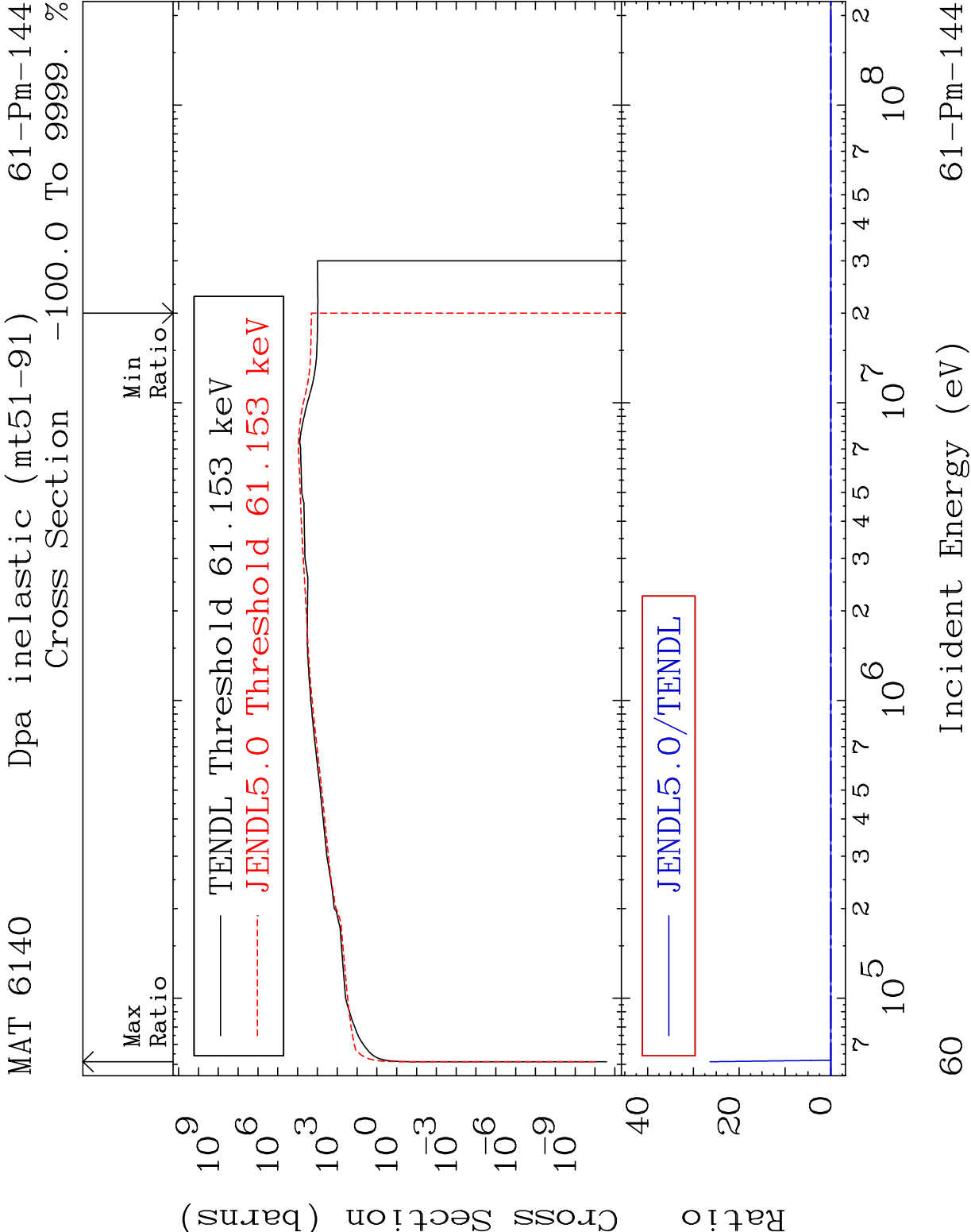


MAT 6140 Total kinematic kerma (high limit) 61-Pm-144  
Cross Section -96.88 To 1426. %



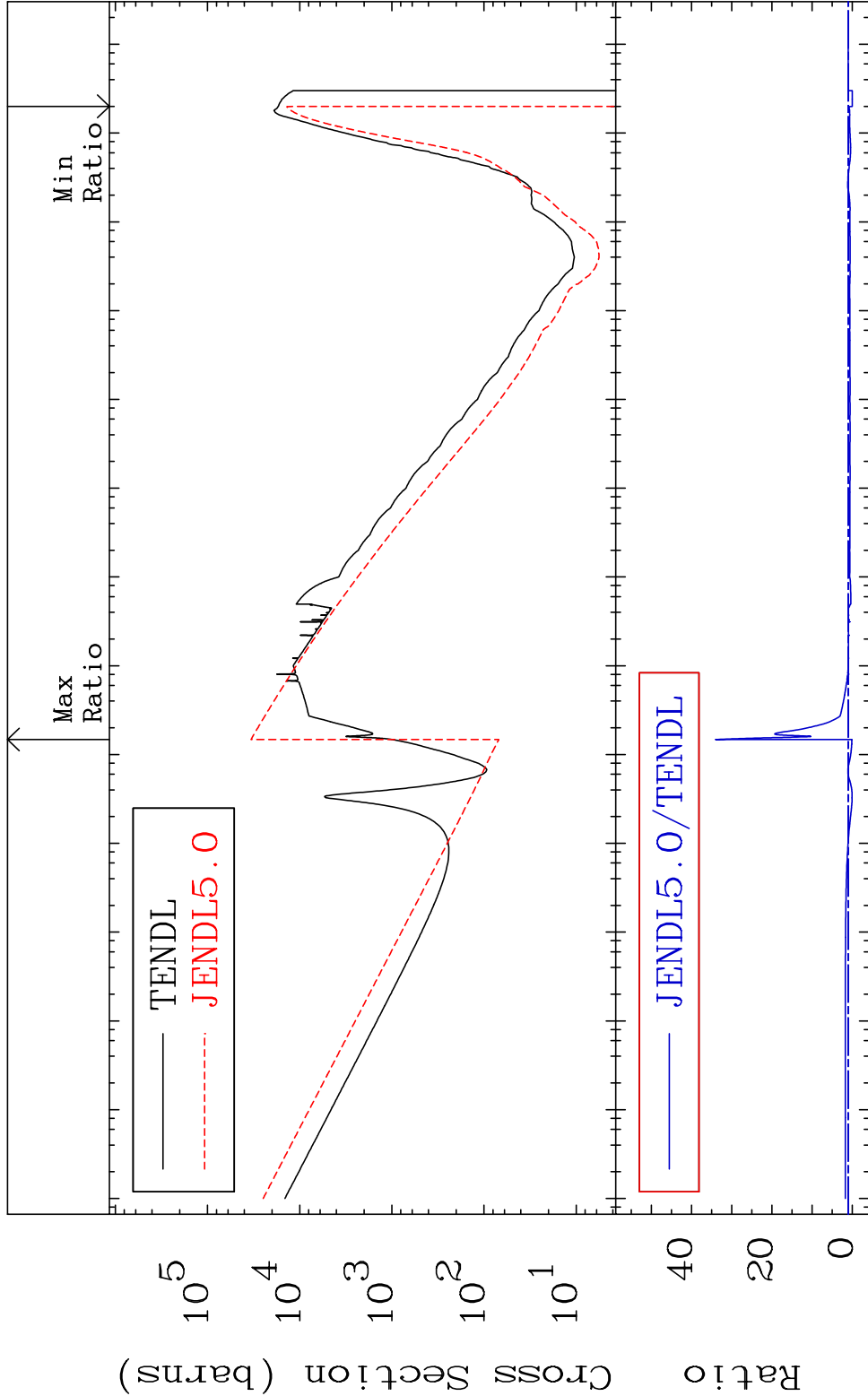




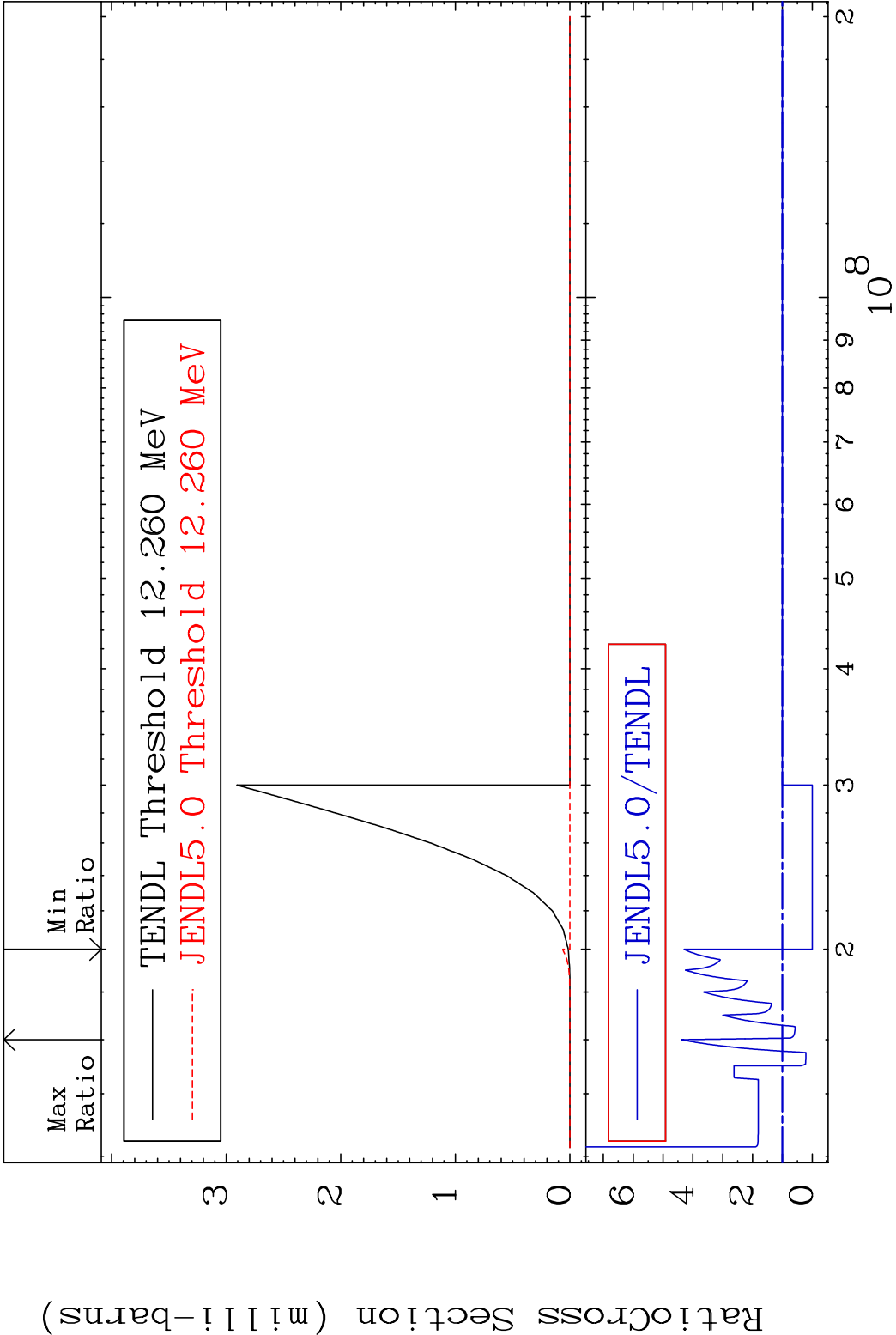


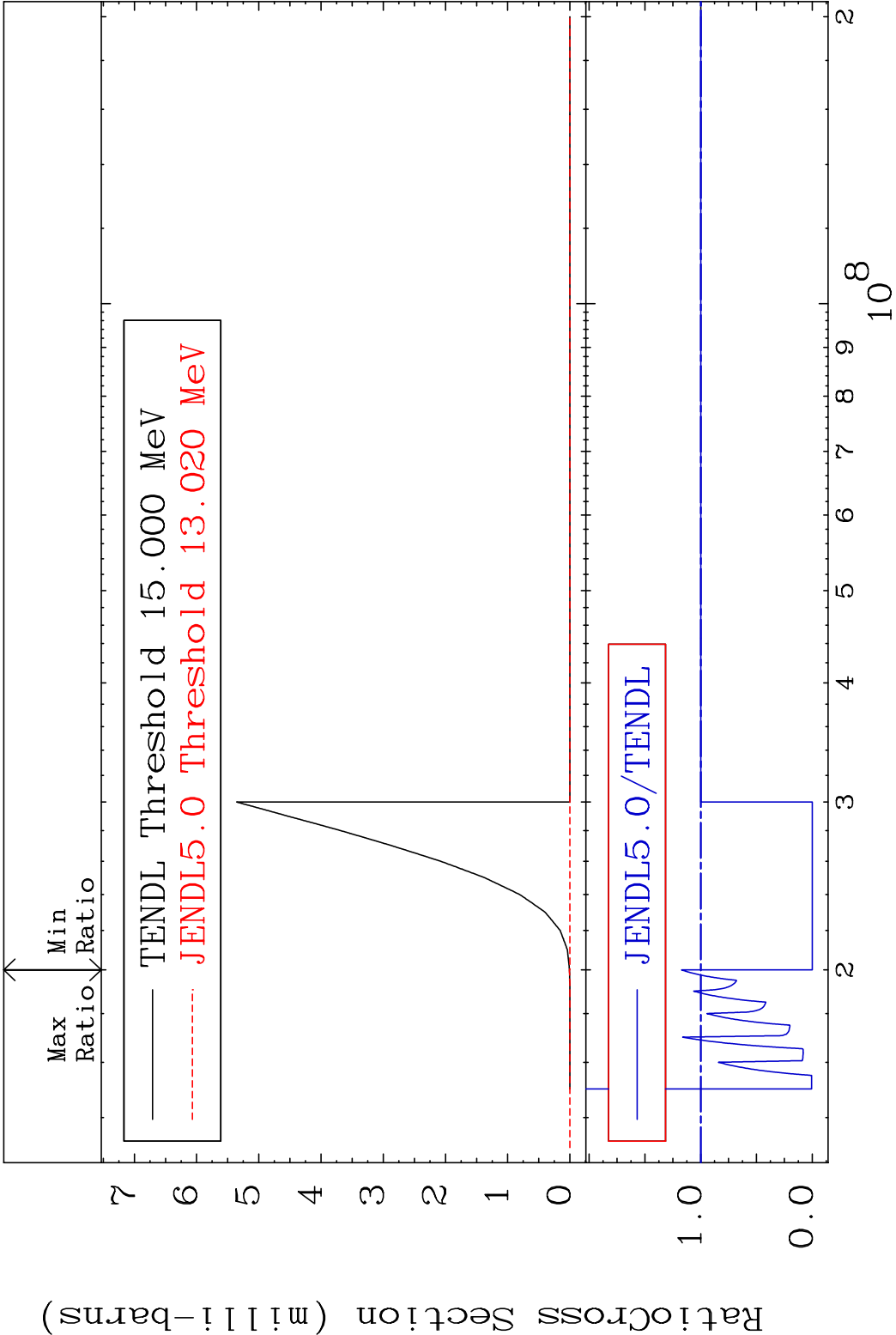
MAT 6140    Dpa disappearance (mt102 -120)    61-Pm-144

Cross Section    -100.0 To 3298. %

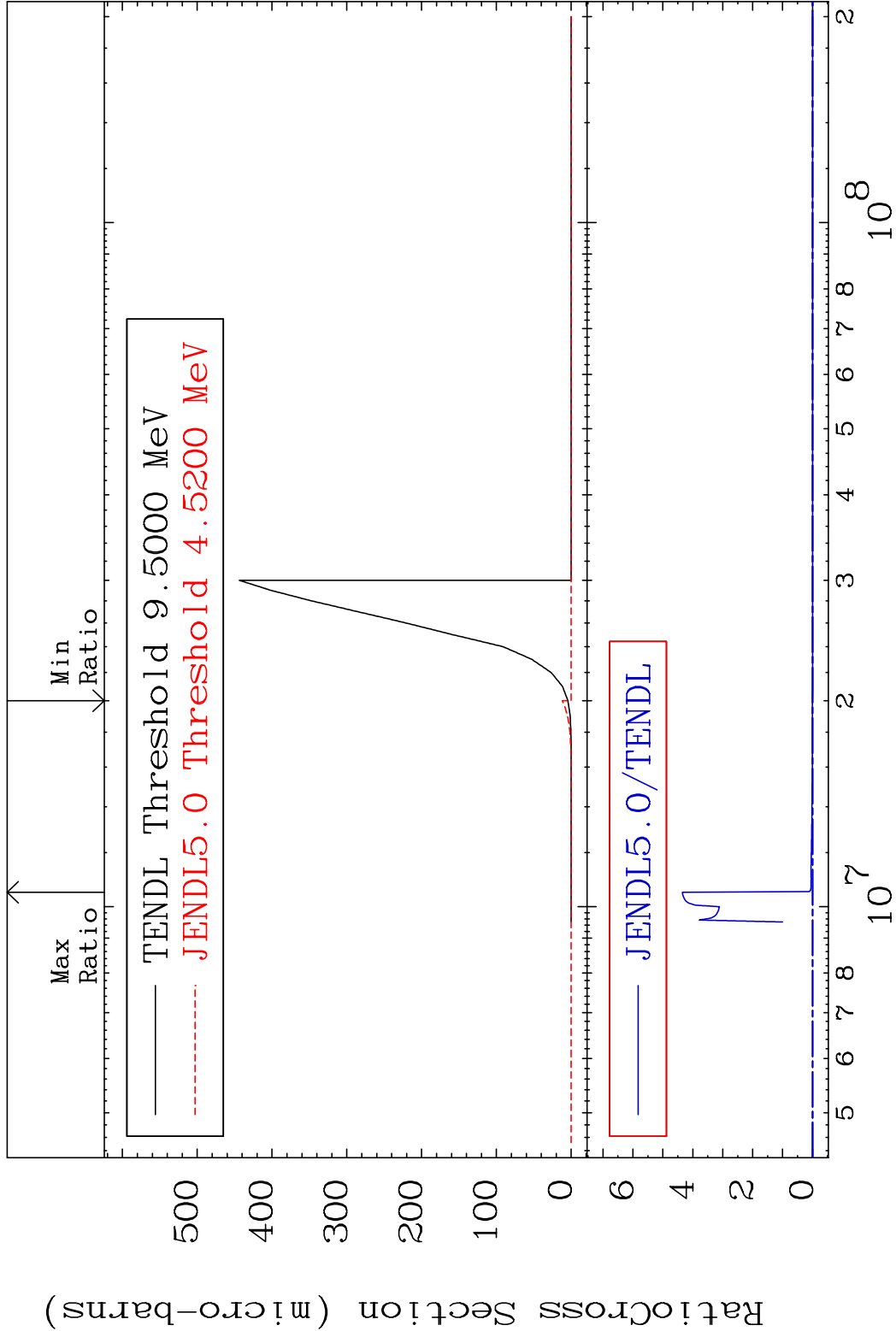


61    Incident Energy (eV)    61-Pm-144

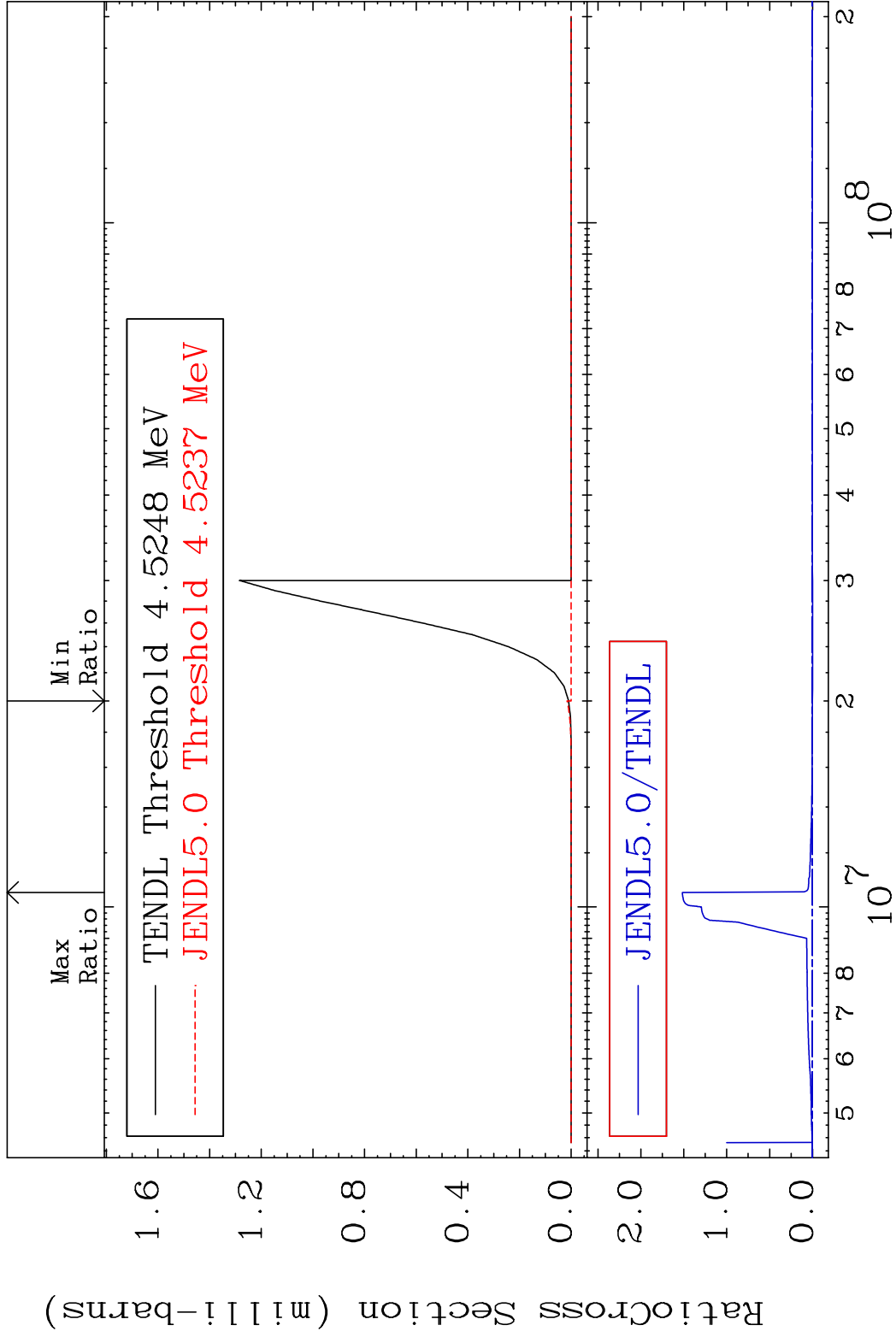




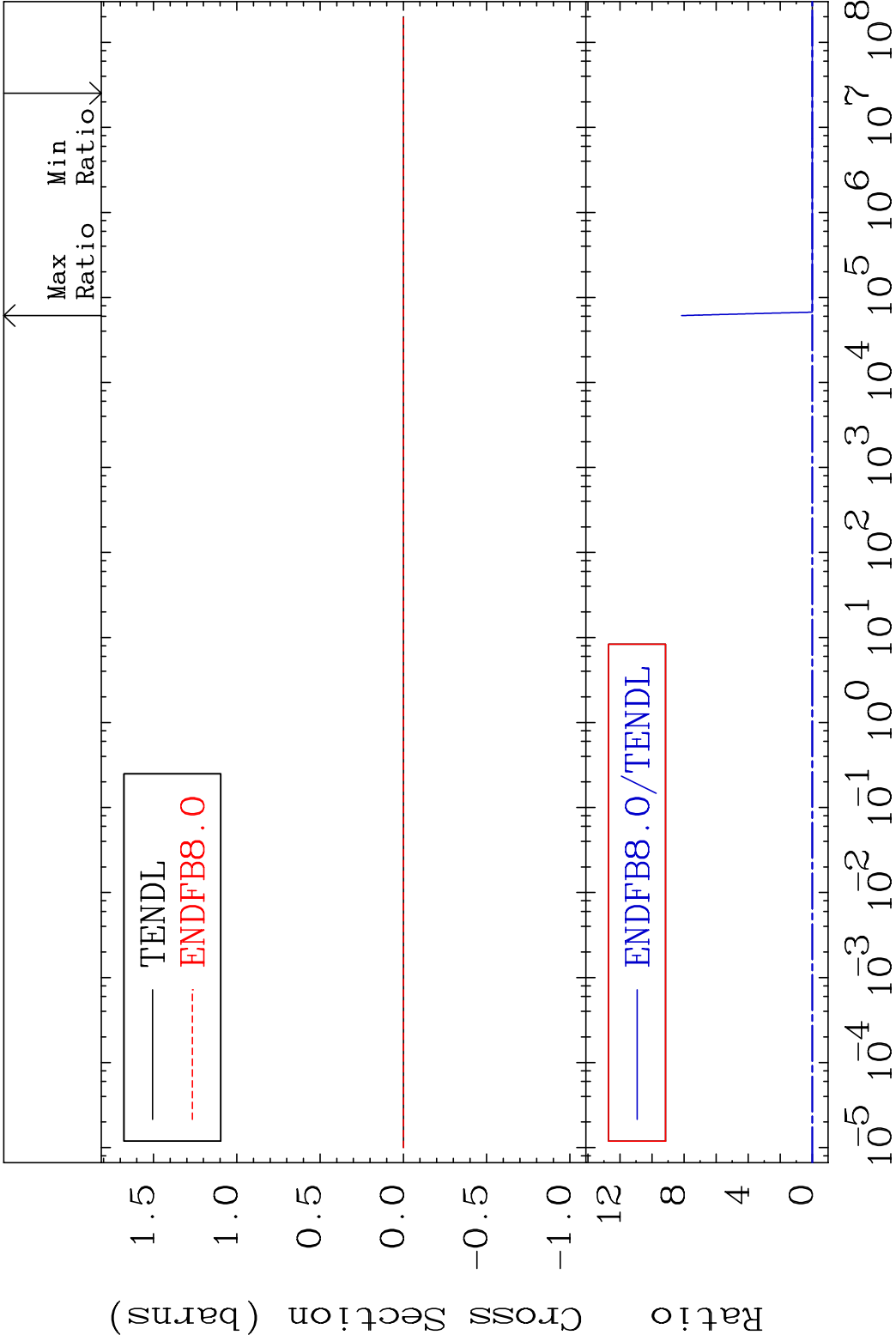
Radionuclide Production Cross Section (micro-barns)



Radionuclide Production Cross Section (mb)

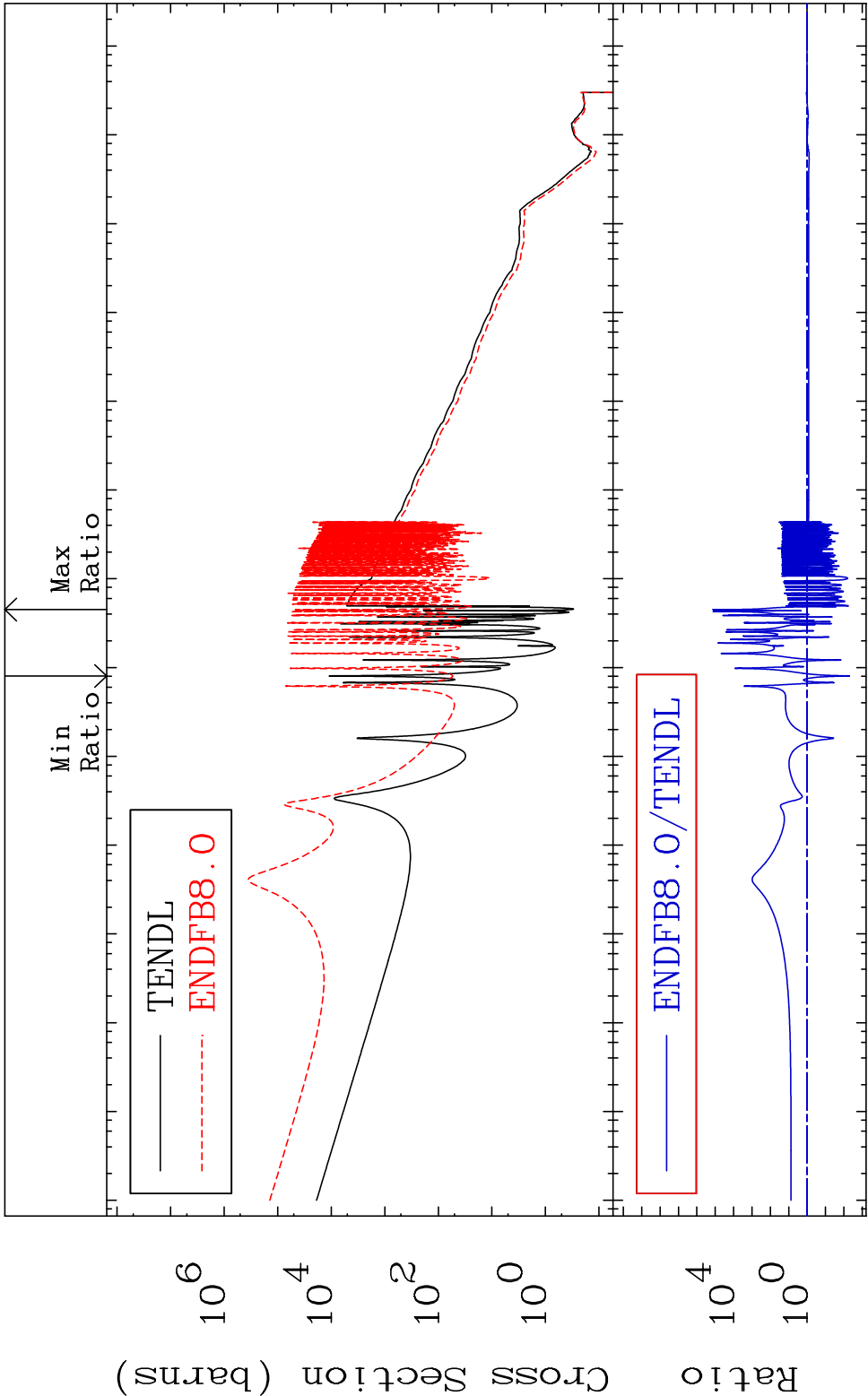


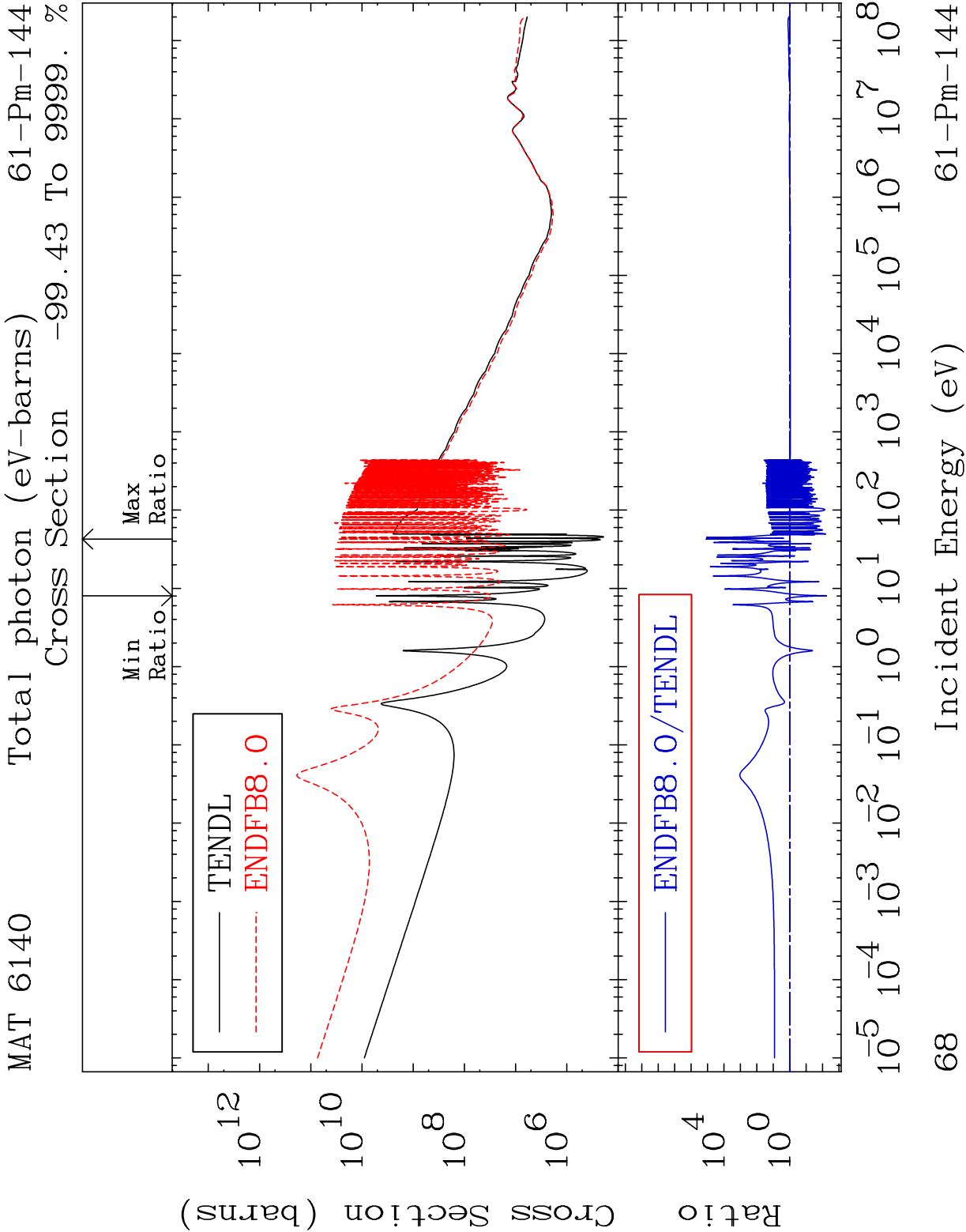
MAT 6140 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-144  
Cross Section -335.1 To 9999. %



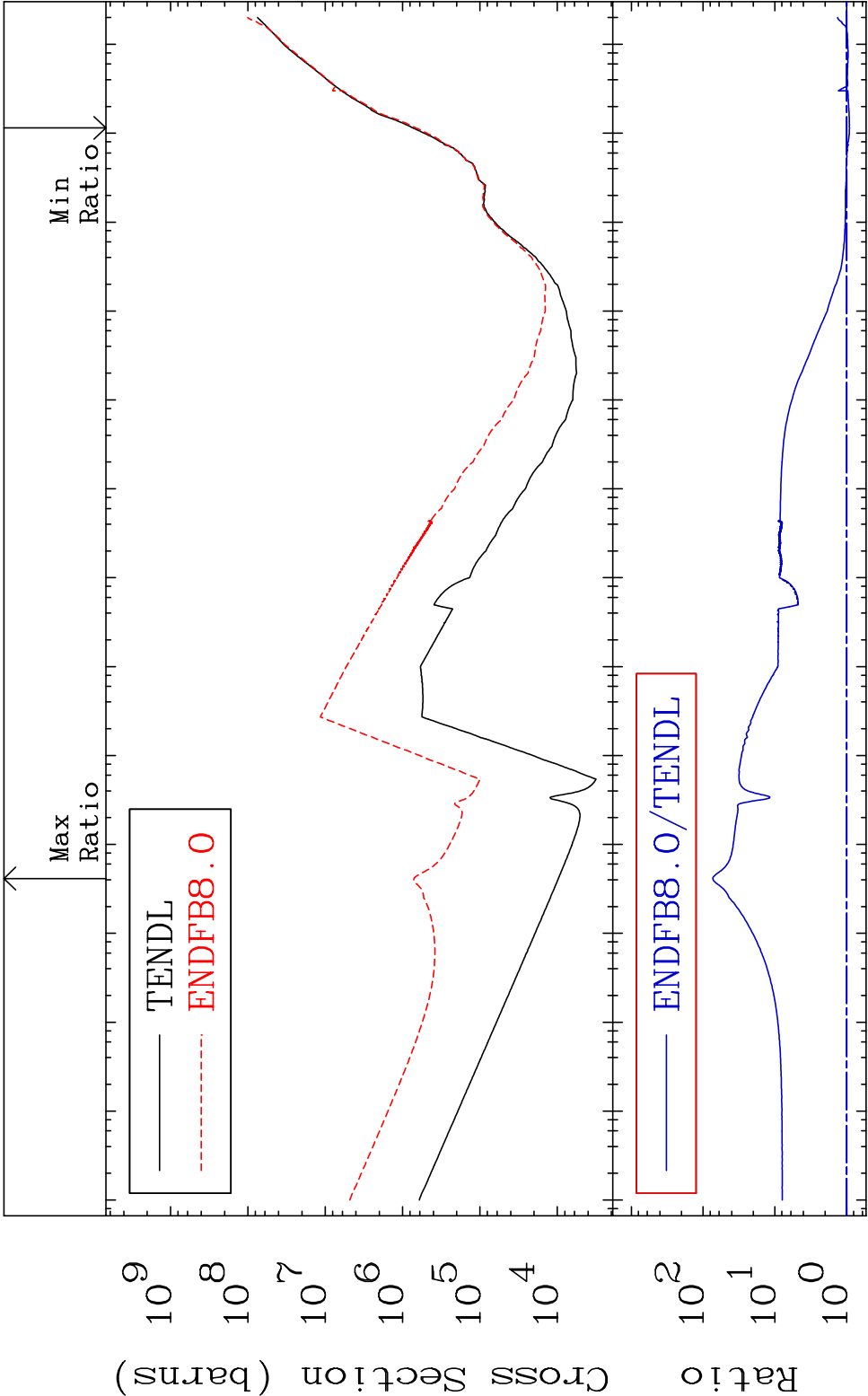
66 Incident Energy (eV) 61-Pm-144

MAT 6140      Kerma capture (mt102)      61-Pm-144  
Cross Section      -99.51 To 9999. %



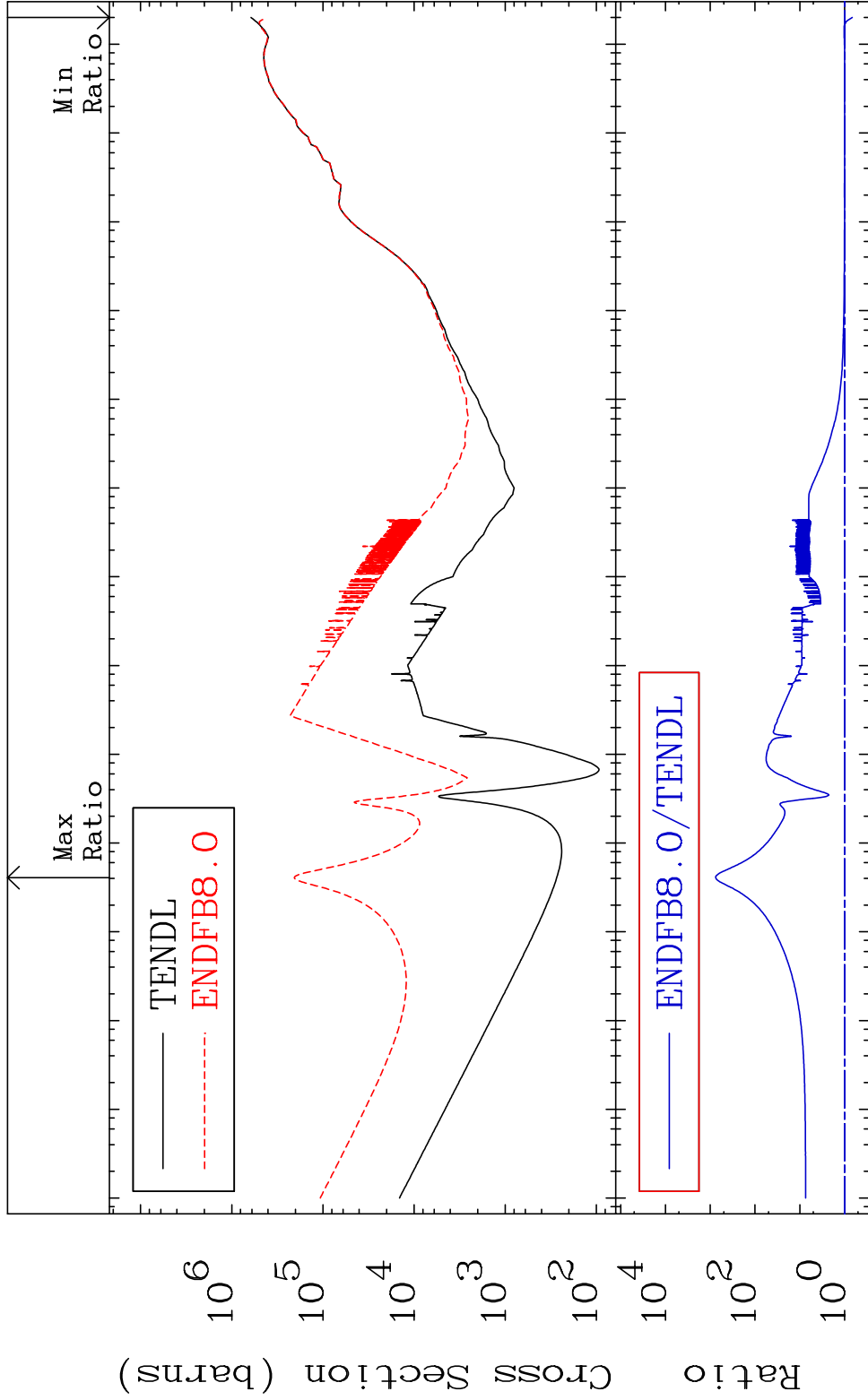


MAT 6140 Total kinematic kerma (high limit) 61-Pm-144  
Cross Section -8.758 To 7233. %



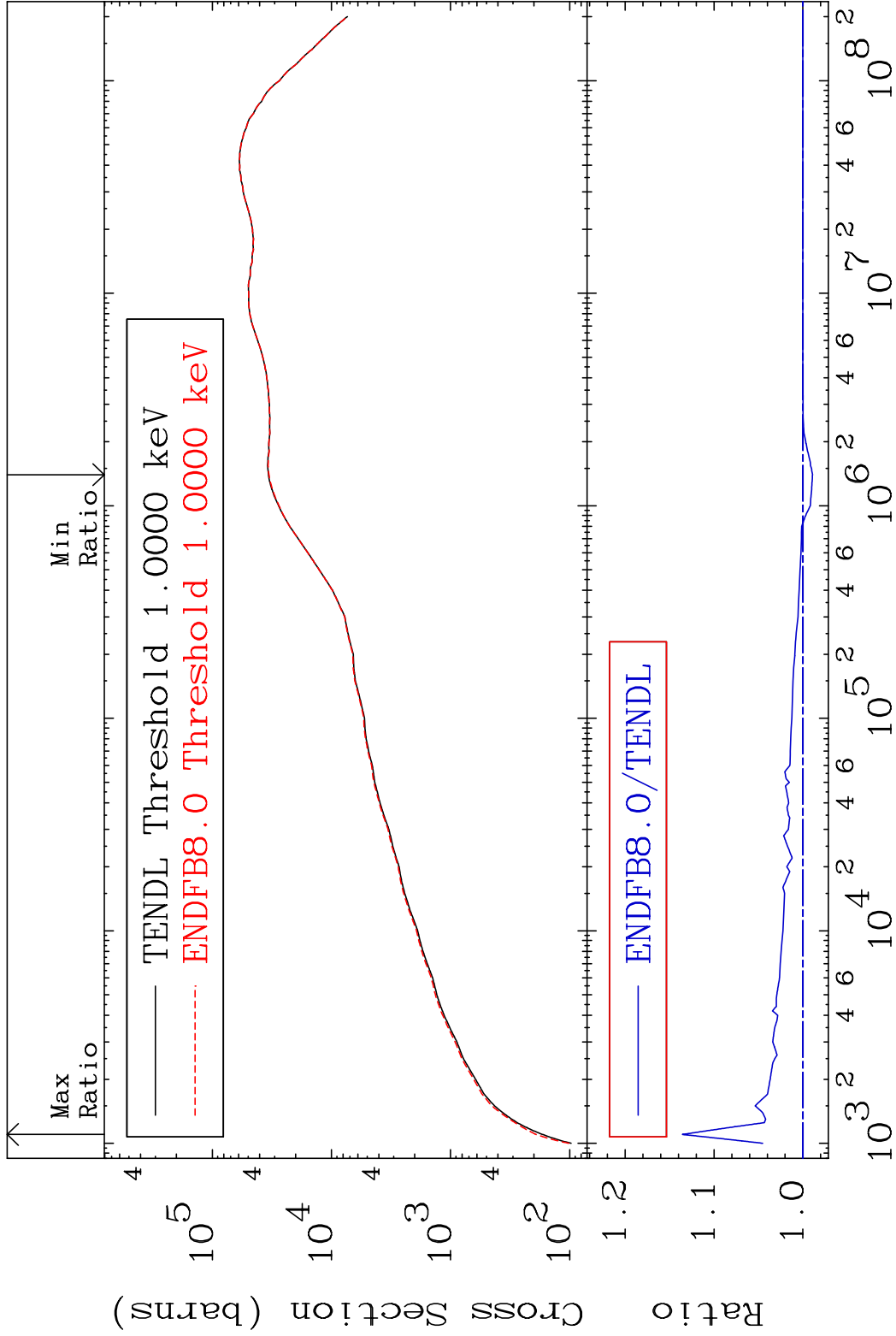
69 Incident Energy (eV) 61-Pm-144

MAT 6140      Dpa total (eV-barns)      61-Pm-144  
Cross Section      -32.57 To 9999. %



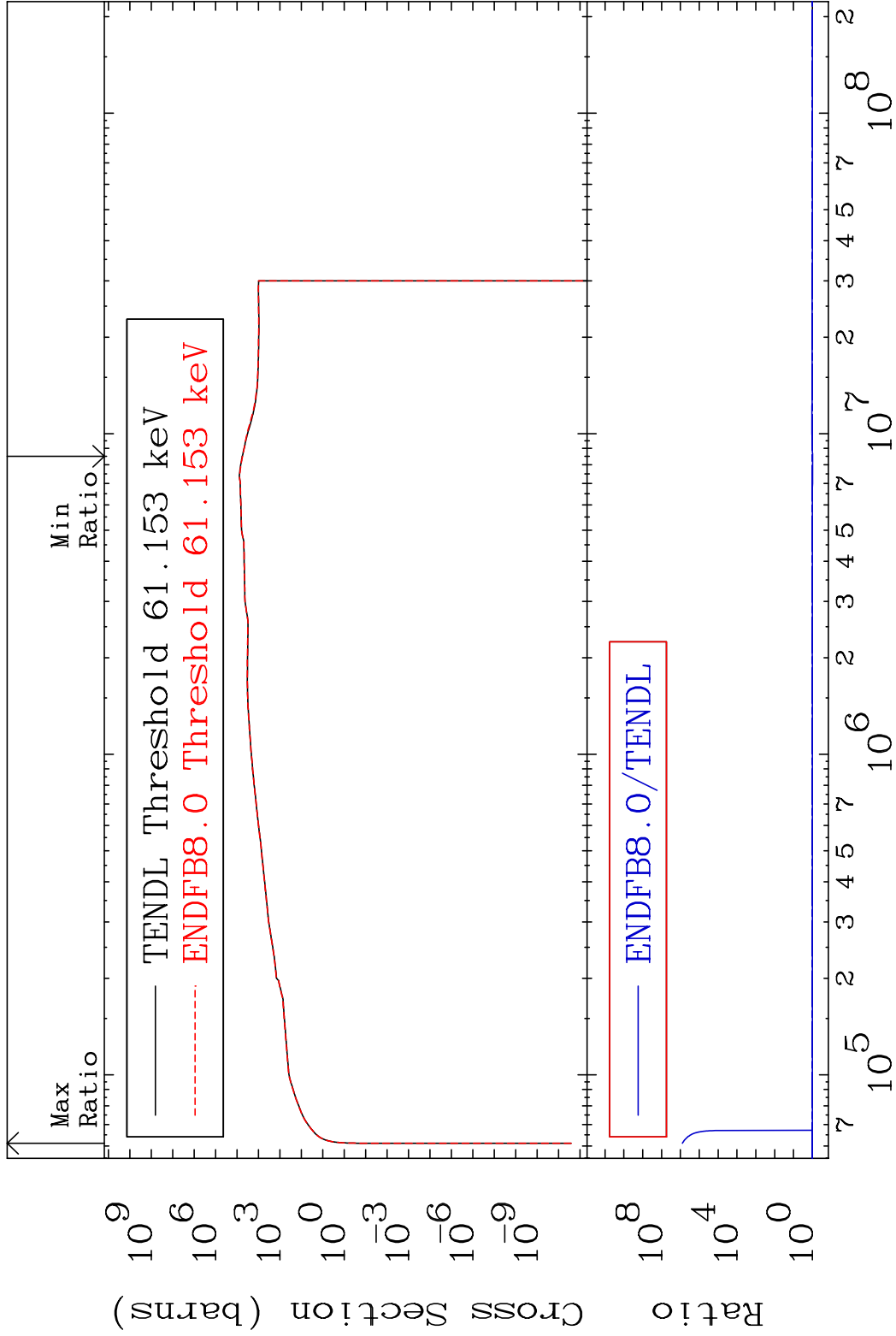
70      Incident Energy (eV)      61-Pm-144

MAT 6140      Dpa elastic (mt2)      61-Pm-144  
Cross Section      -1.088 To 13.57 %

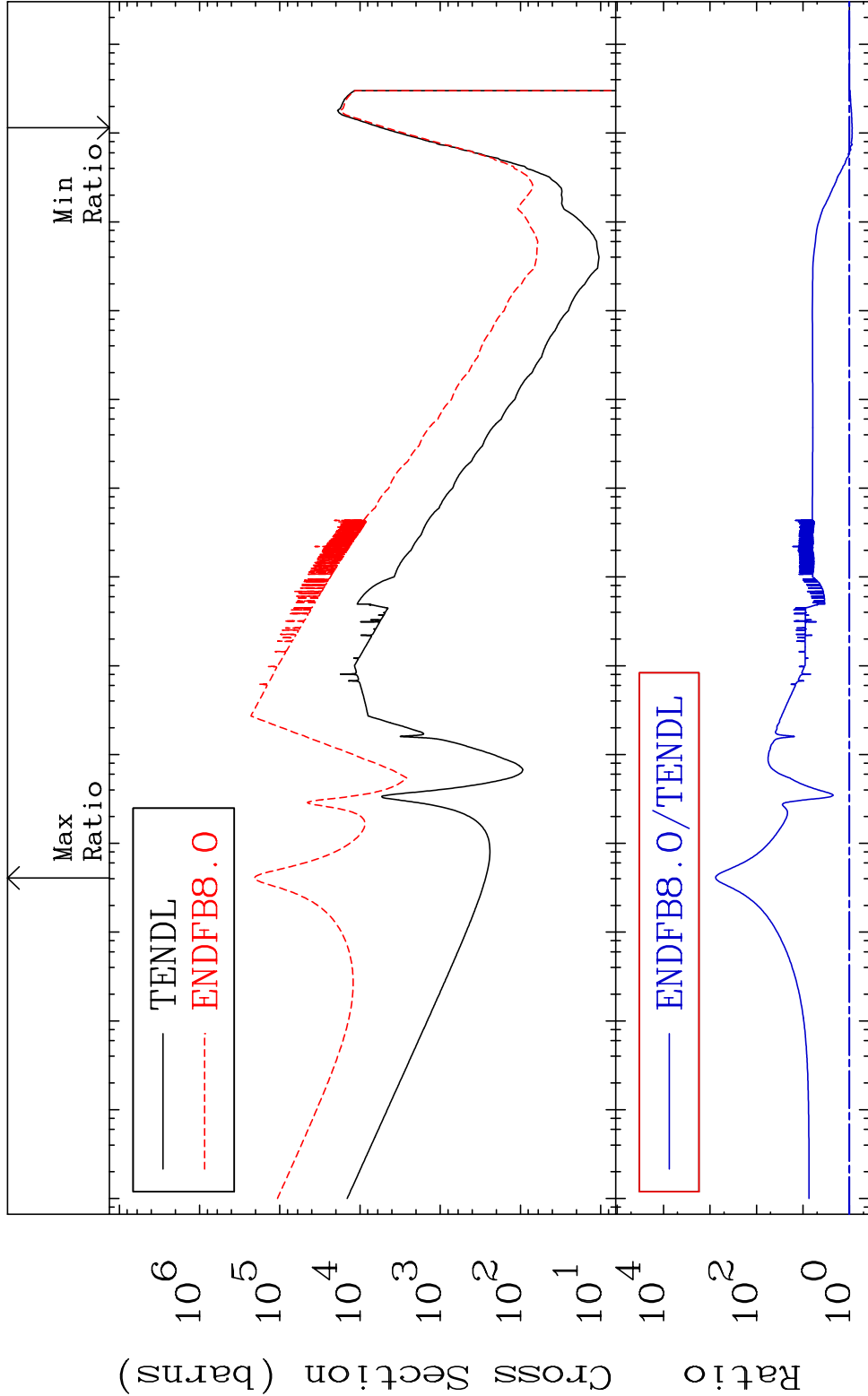


71      Incident Energy (eV)      61-Pm-144

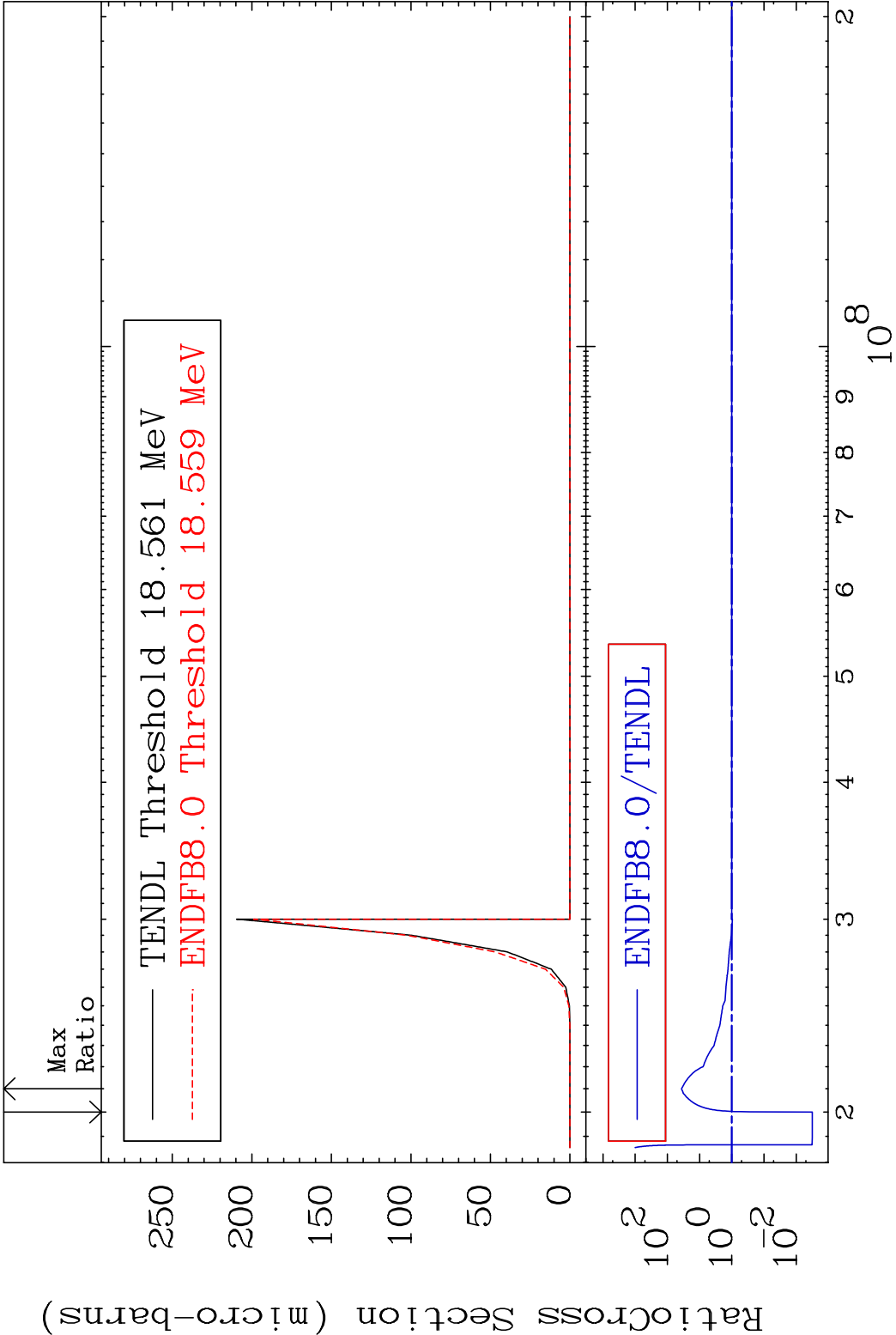
MAT 6140      Dpa inelastic (mt51-91)      61-Pm-144  
Cross Section      -1.853 To 9999. %

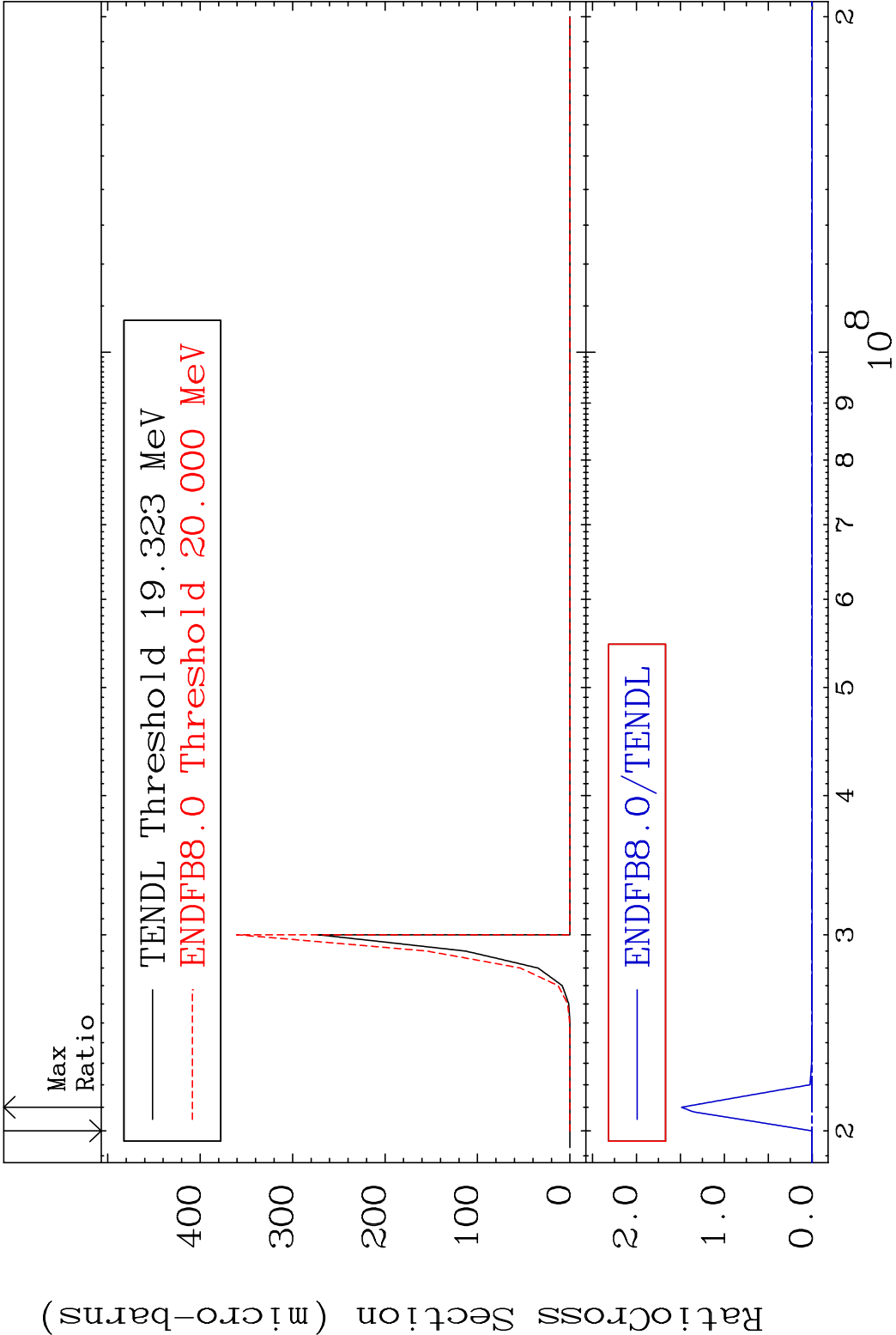


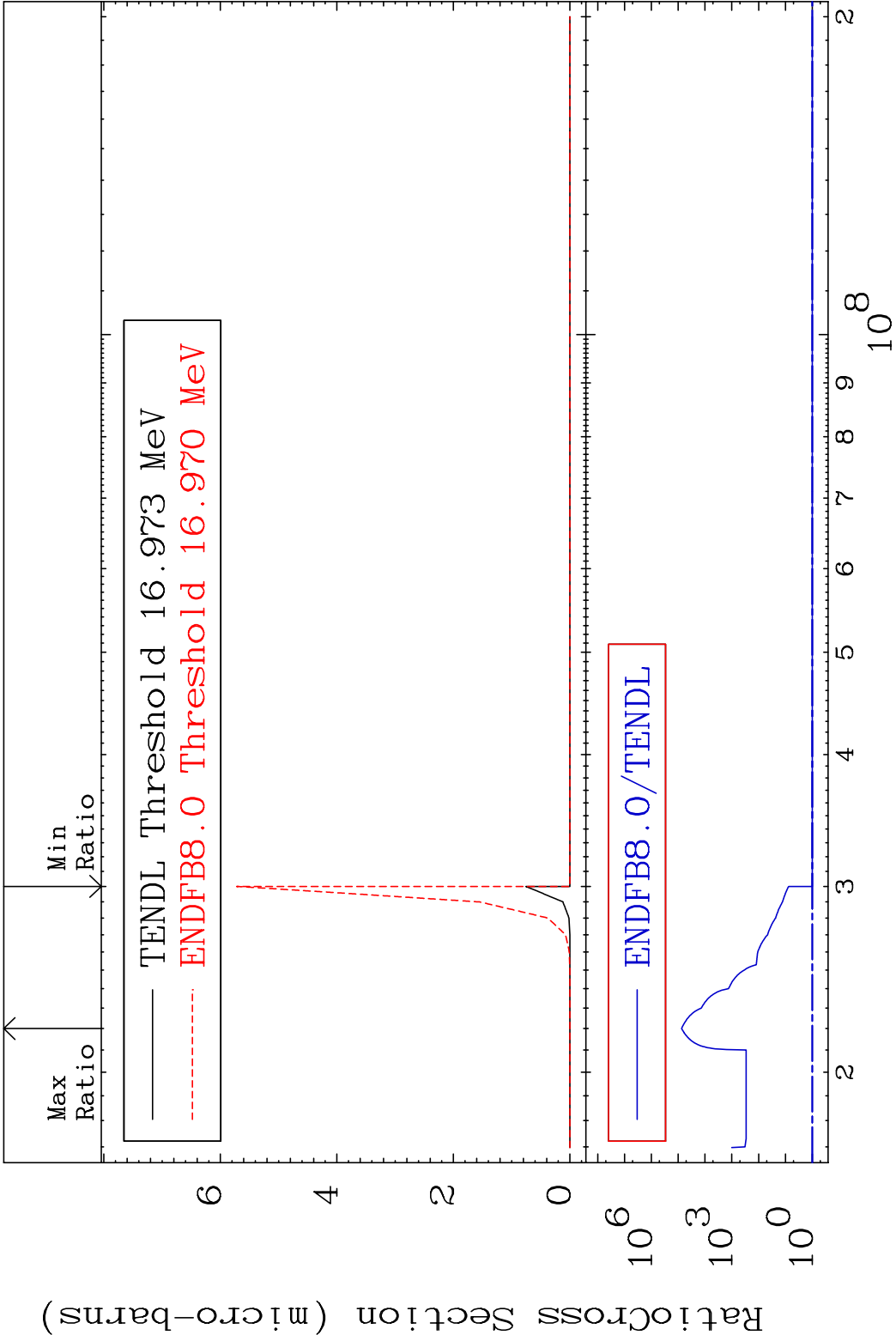
MAT 6140    Dpa disappearance (mt102 -120)    61-Pm-144  
Cross Section    -12.58 To 9999. %

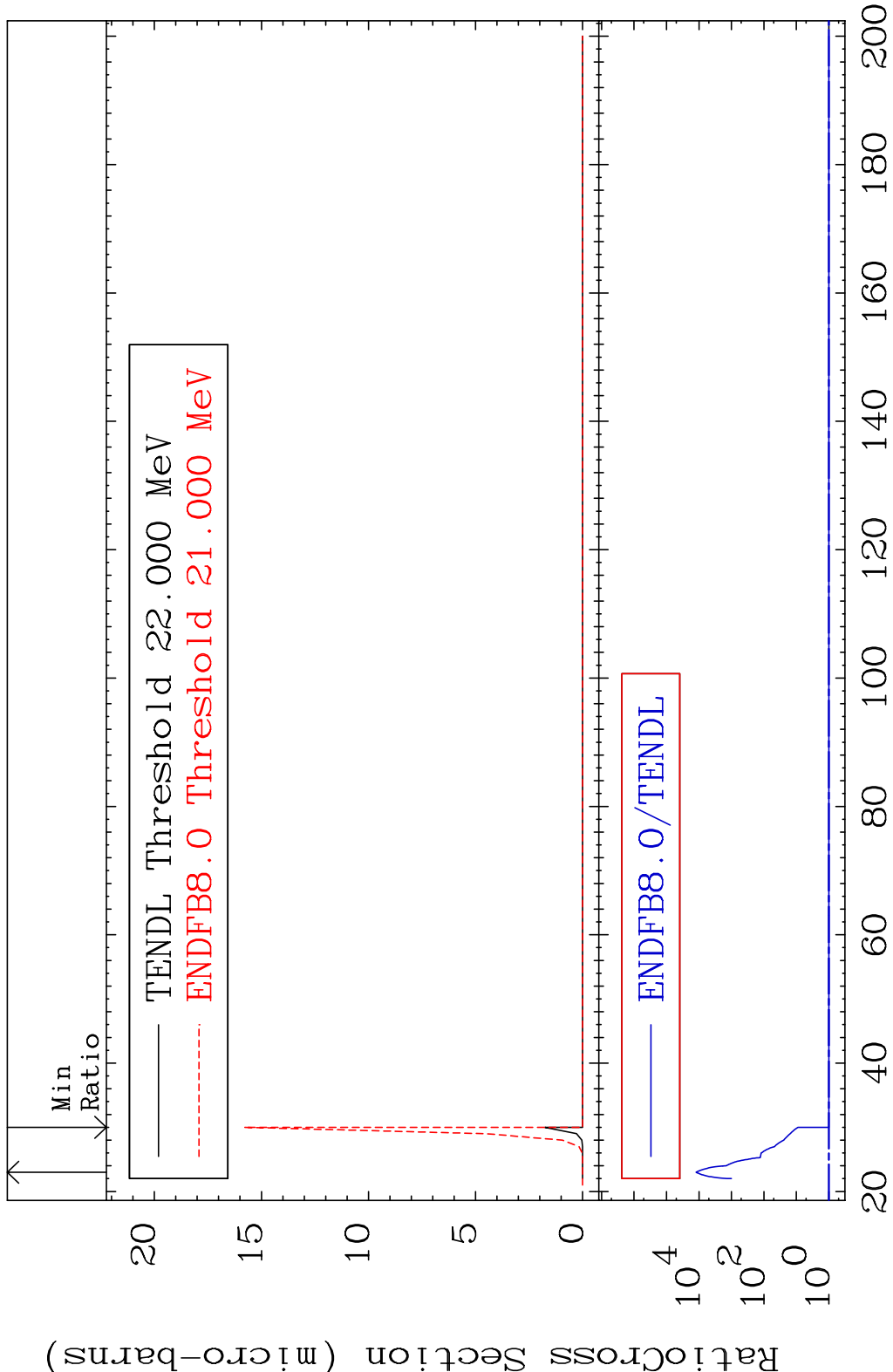


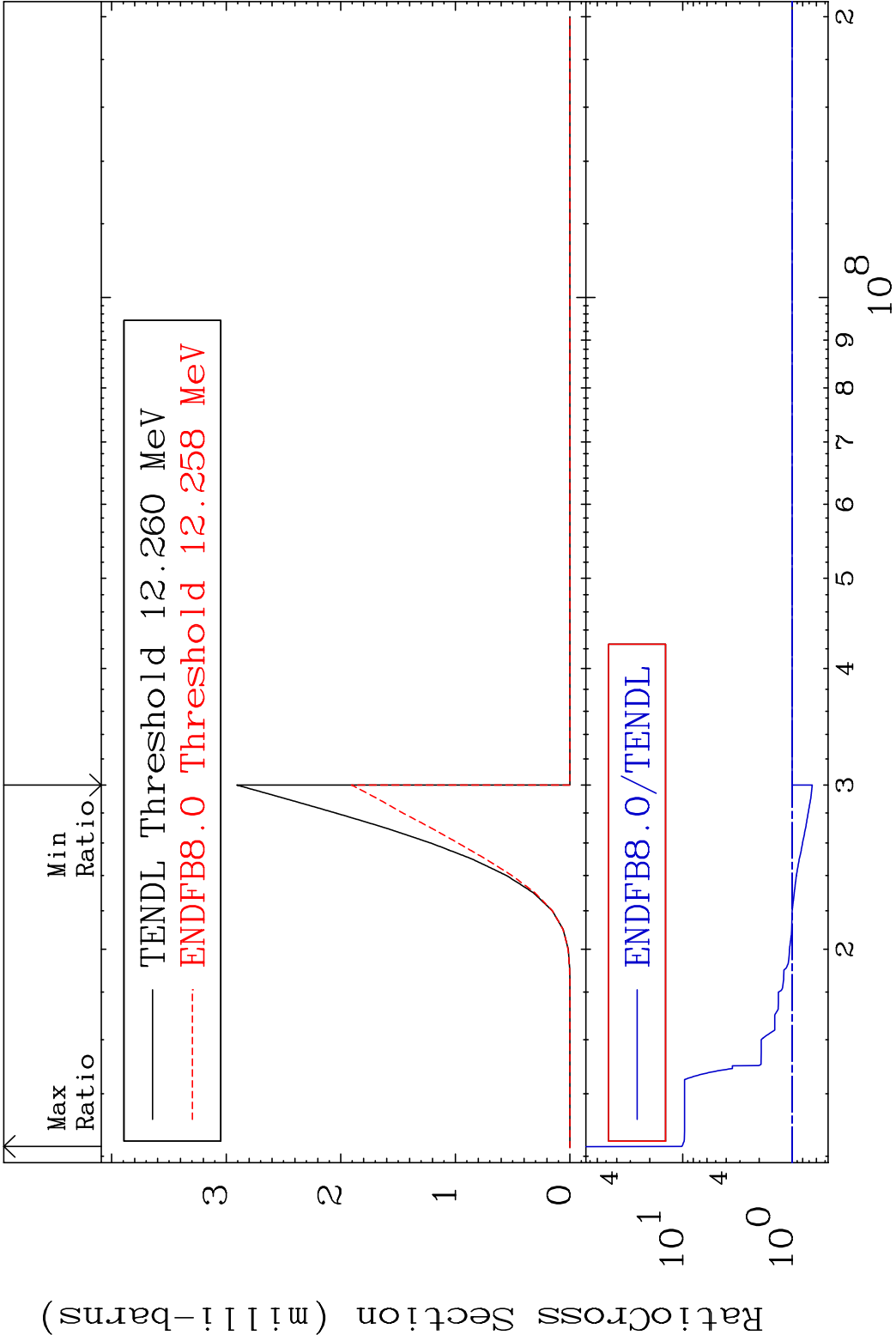
73    Incident Energy (eV)    61-Pm-144

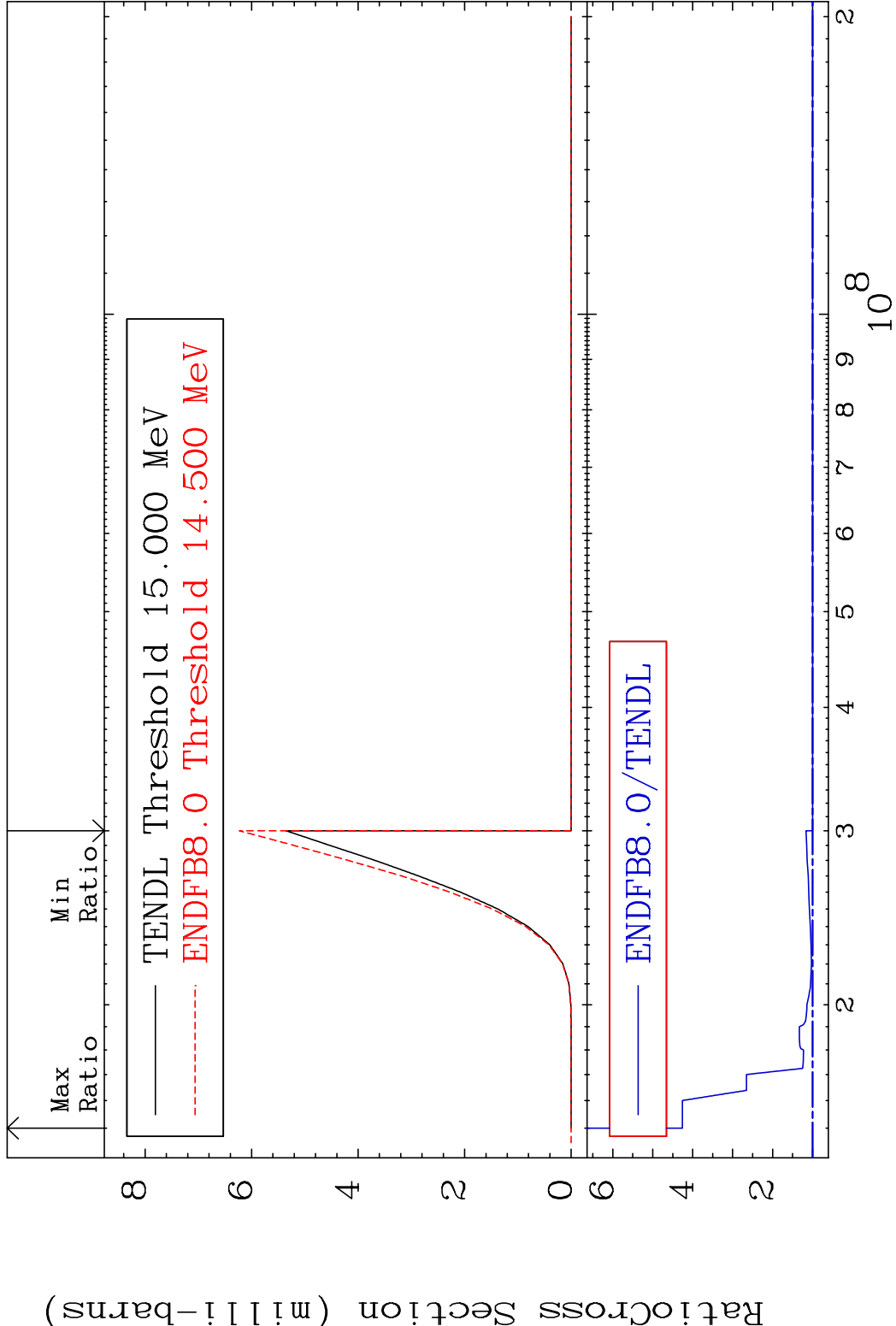


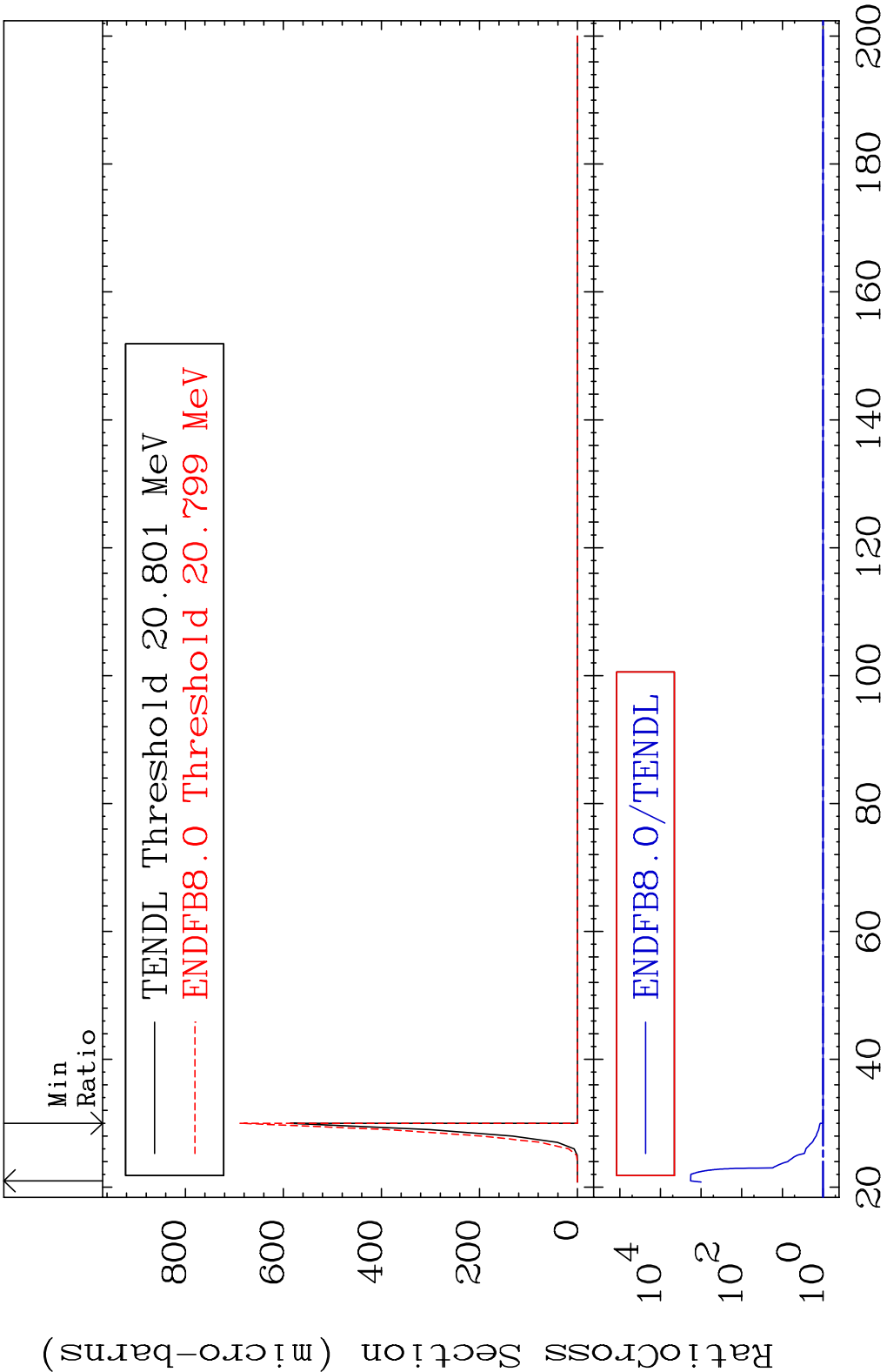


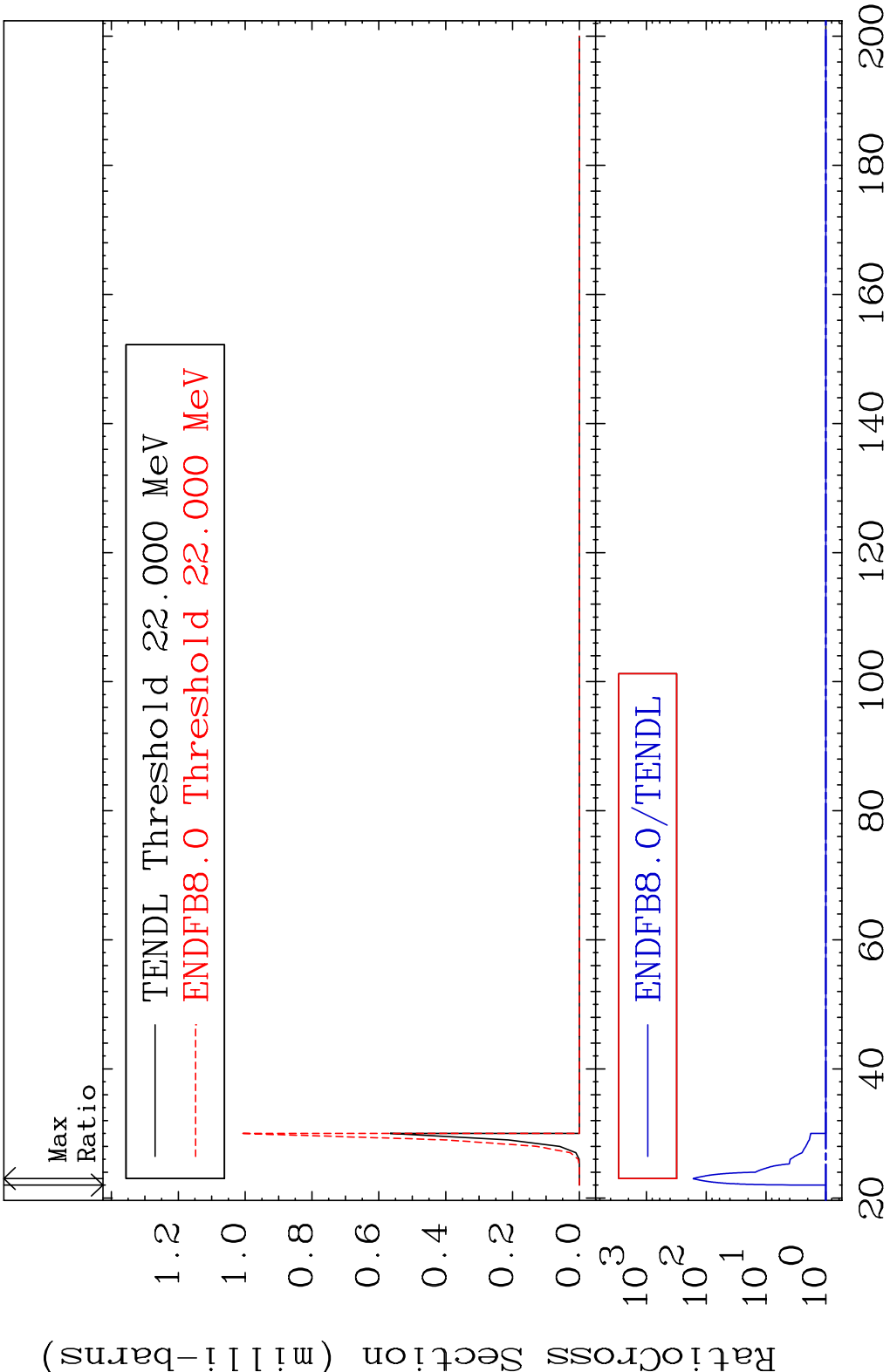


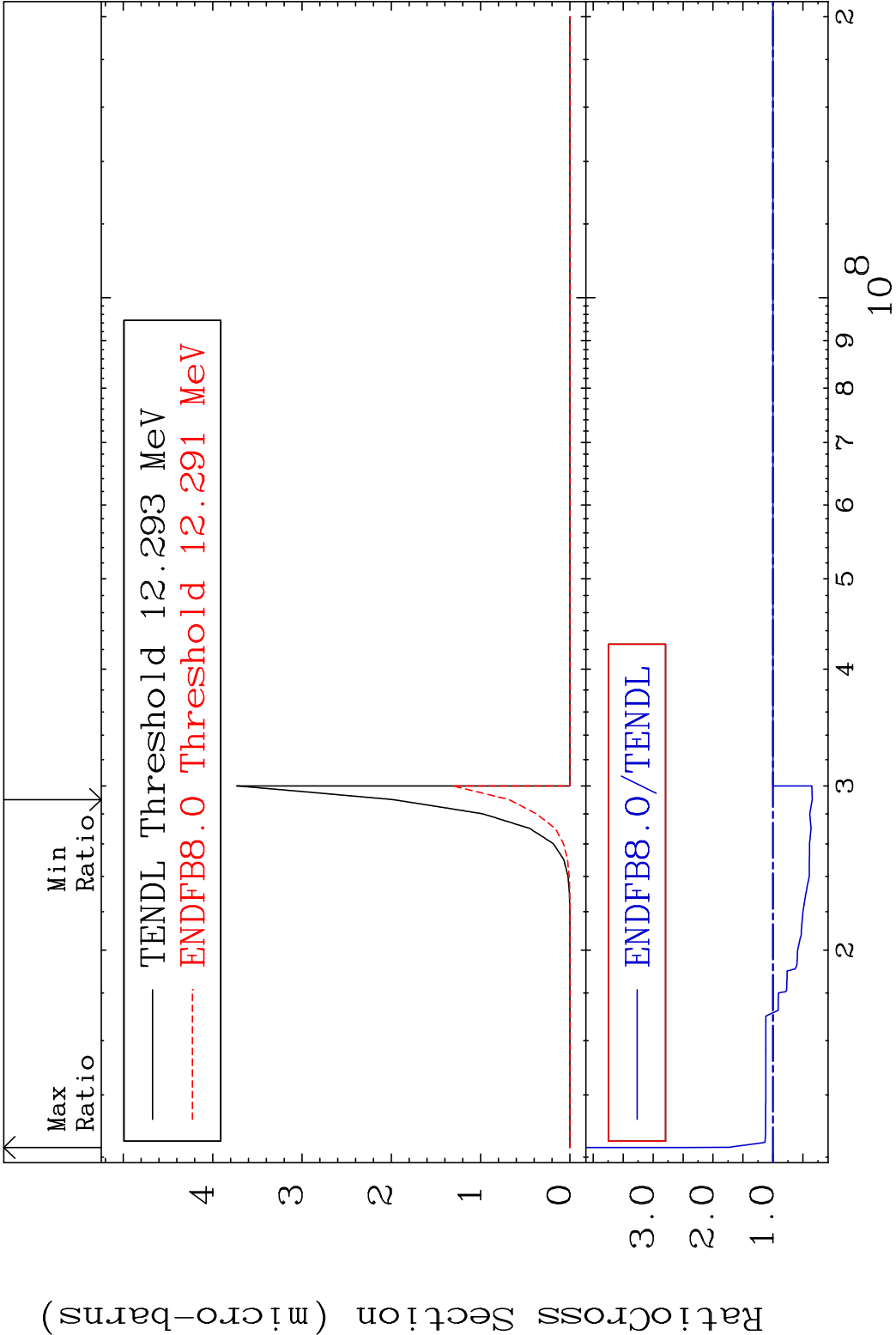


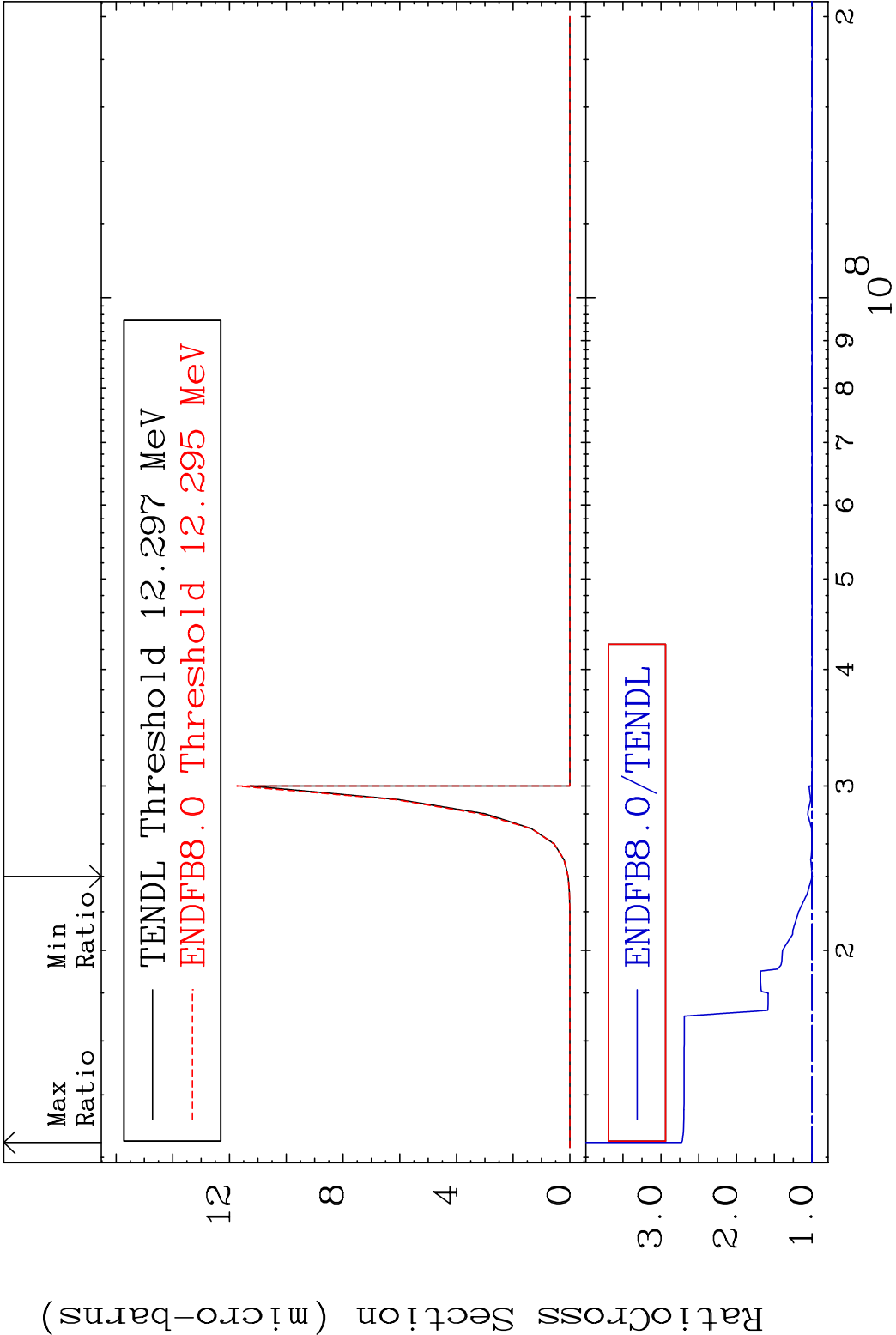


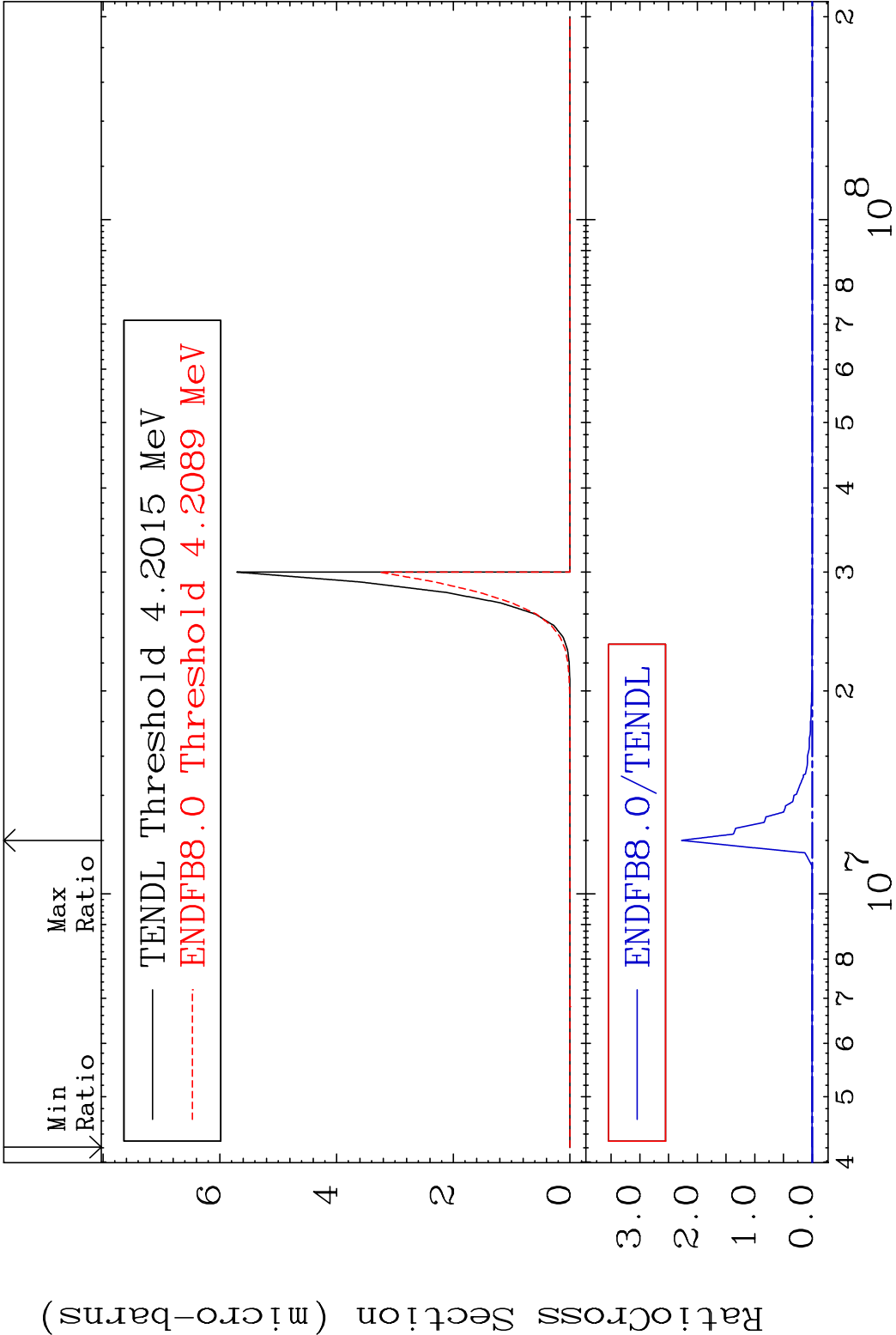


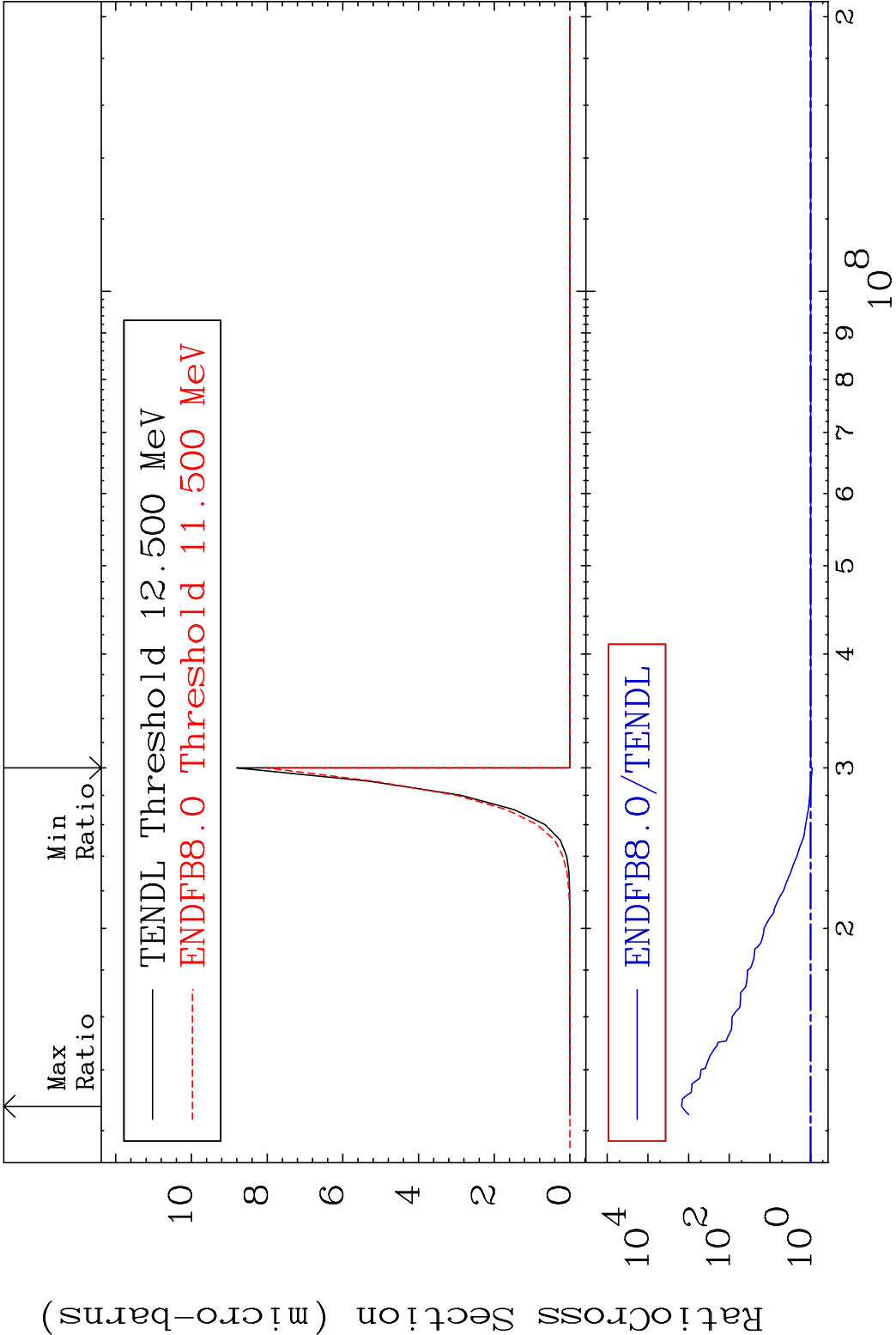












Radionuclide Production Cross-Section 0.000 %

