

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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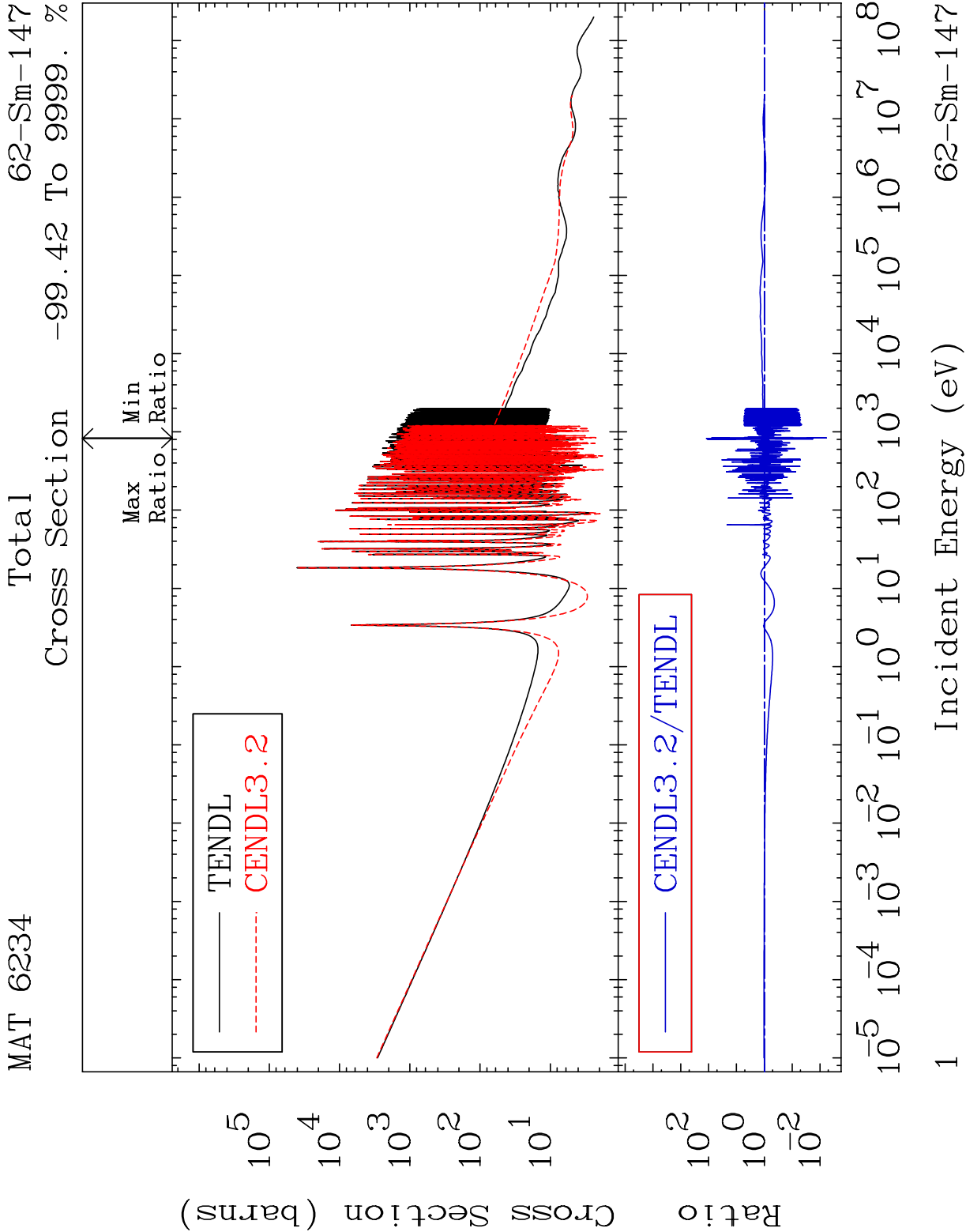
U.S.A.

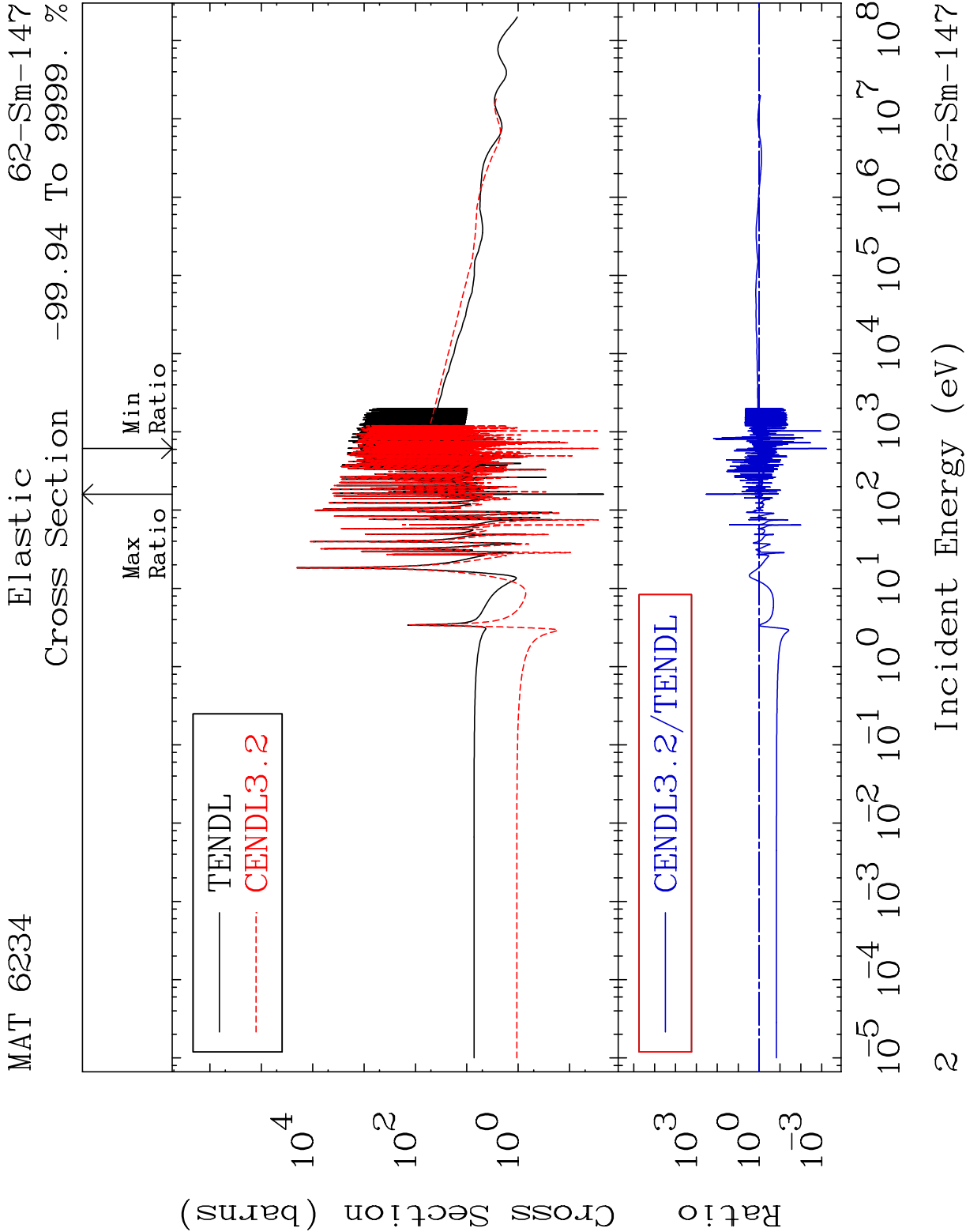
Tele: 925-443-1911

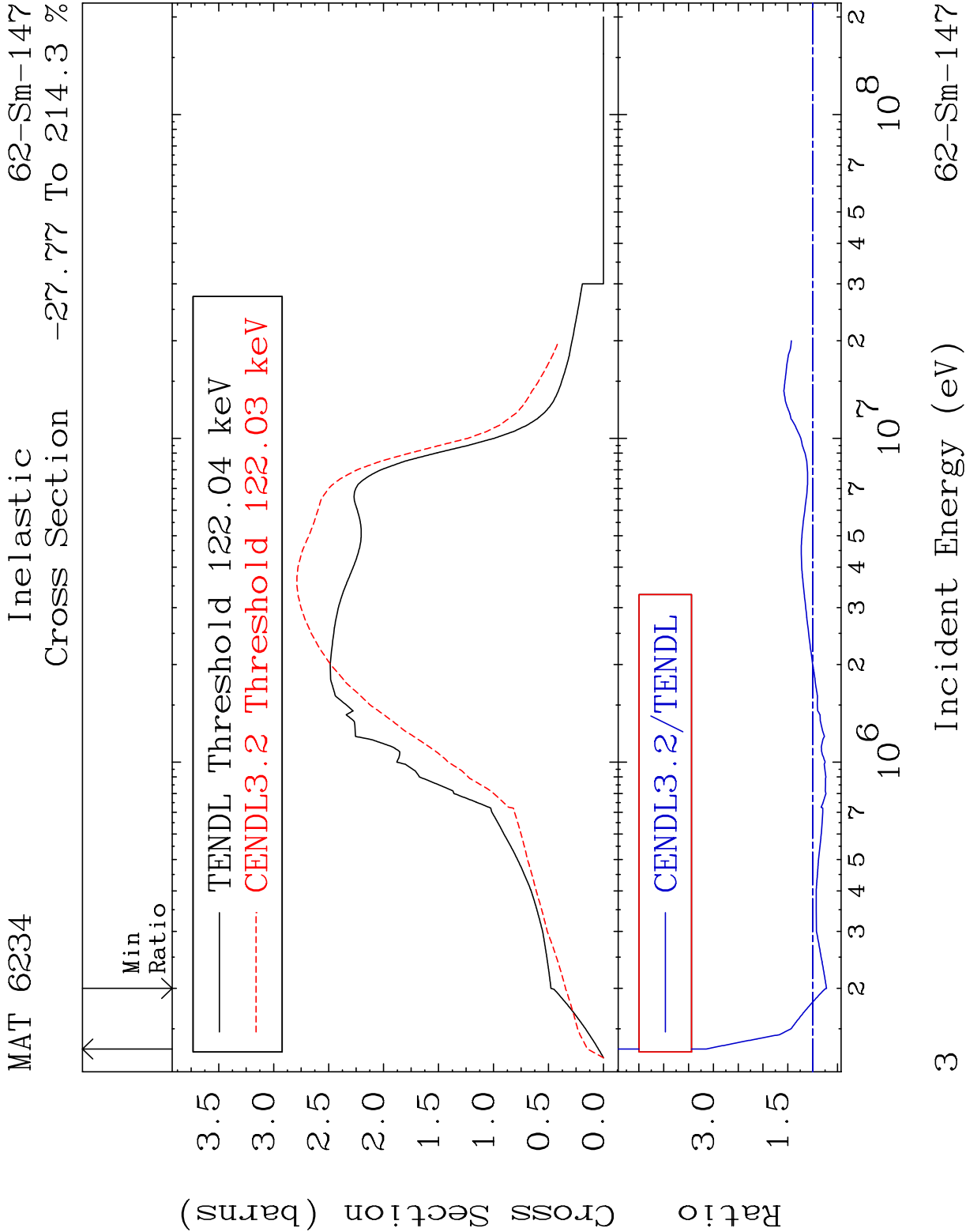
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

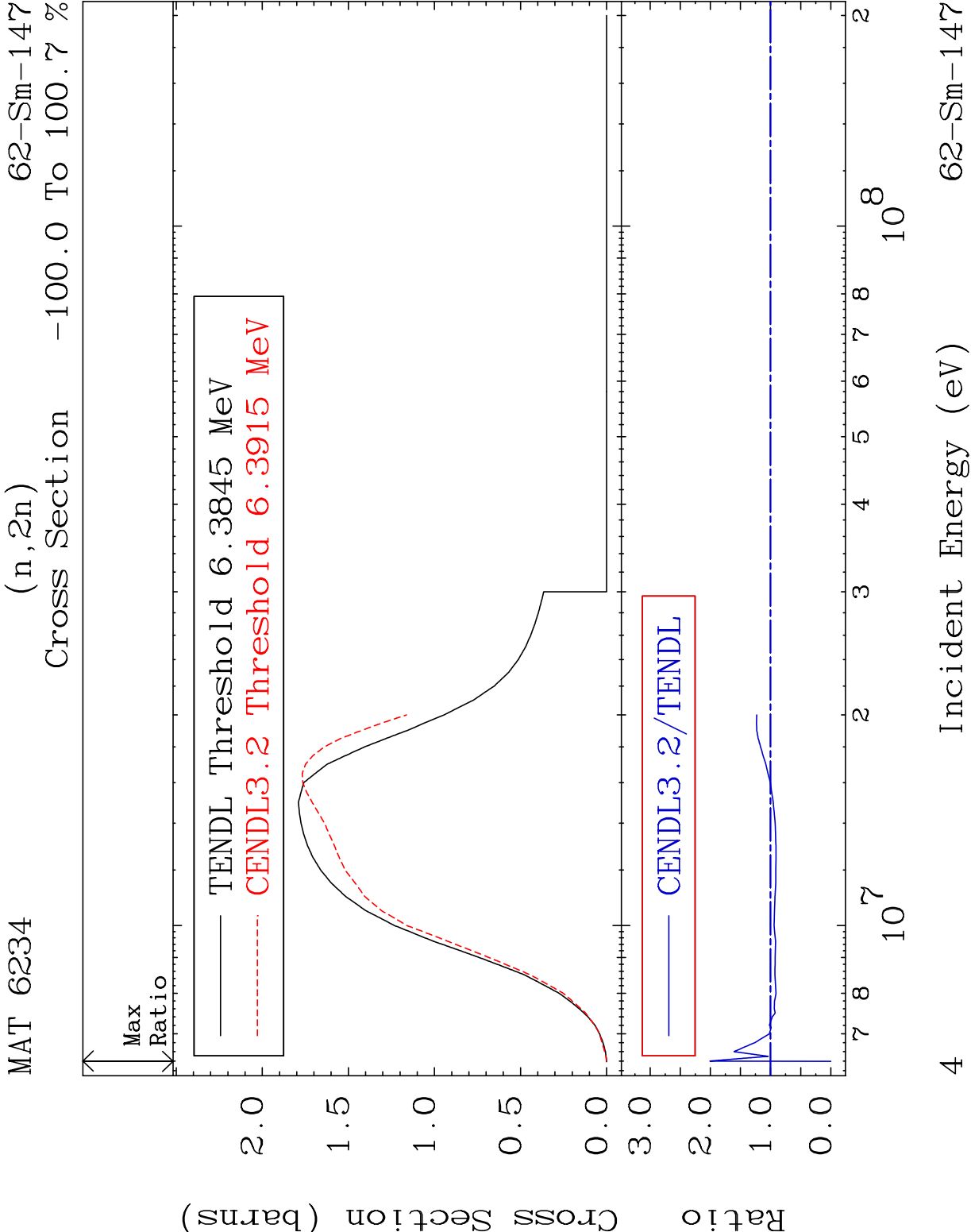
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

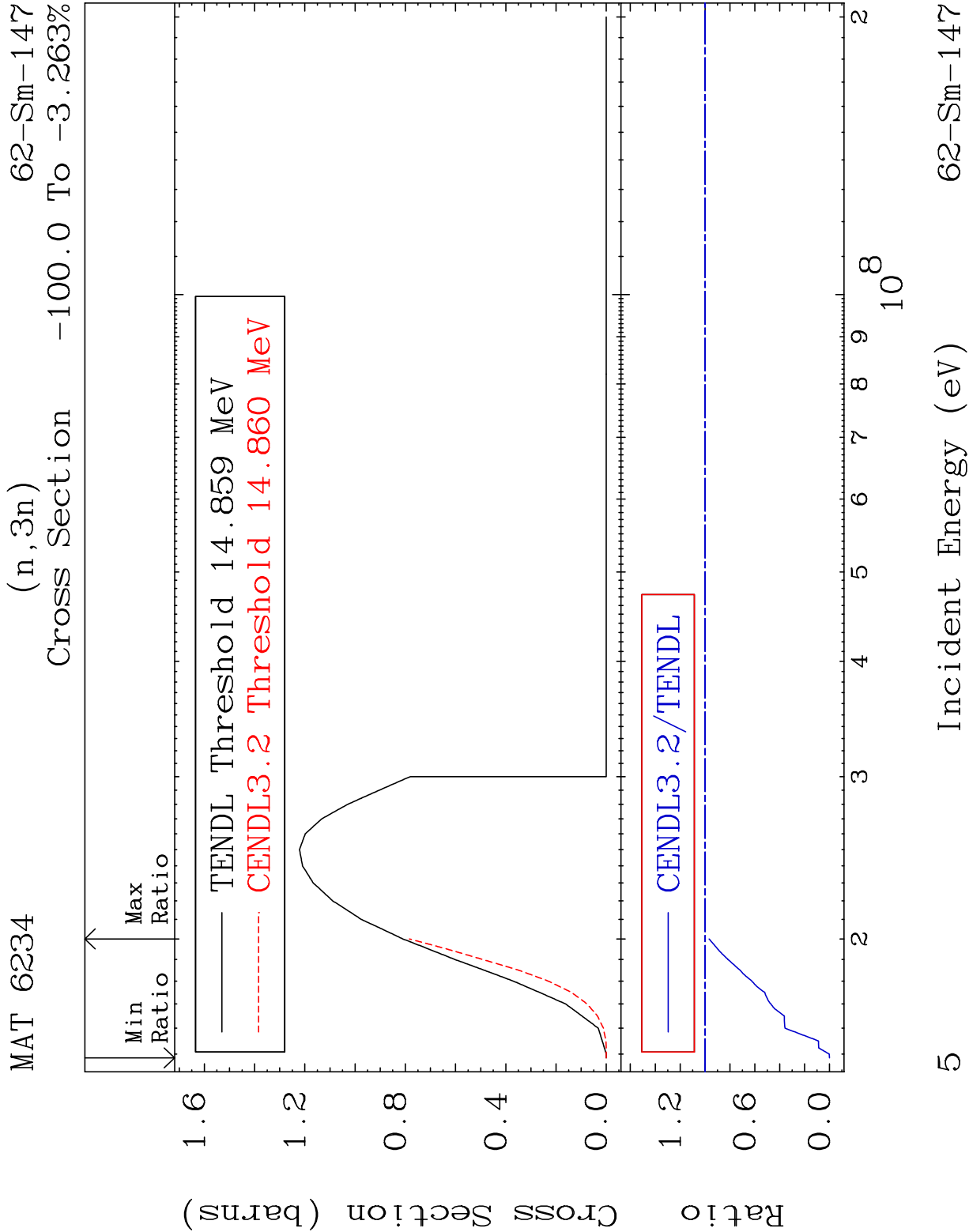
Press Mouse Button to Start

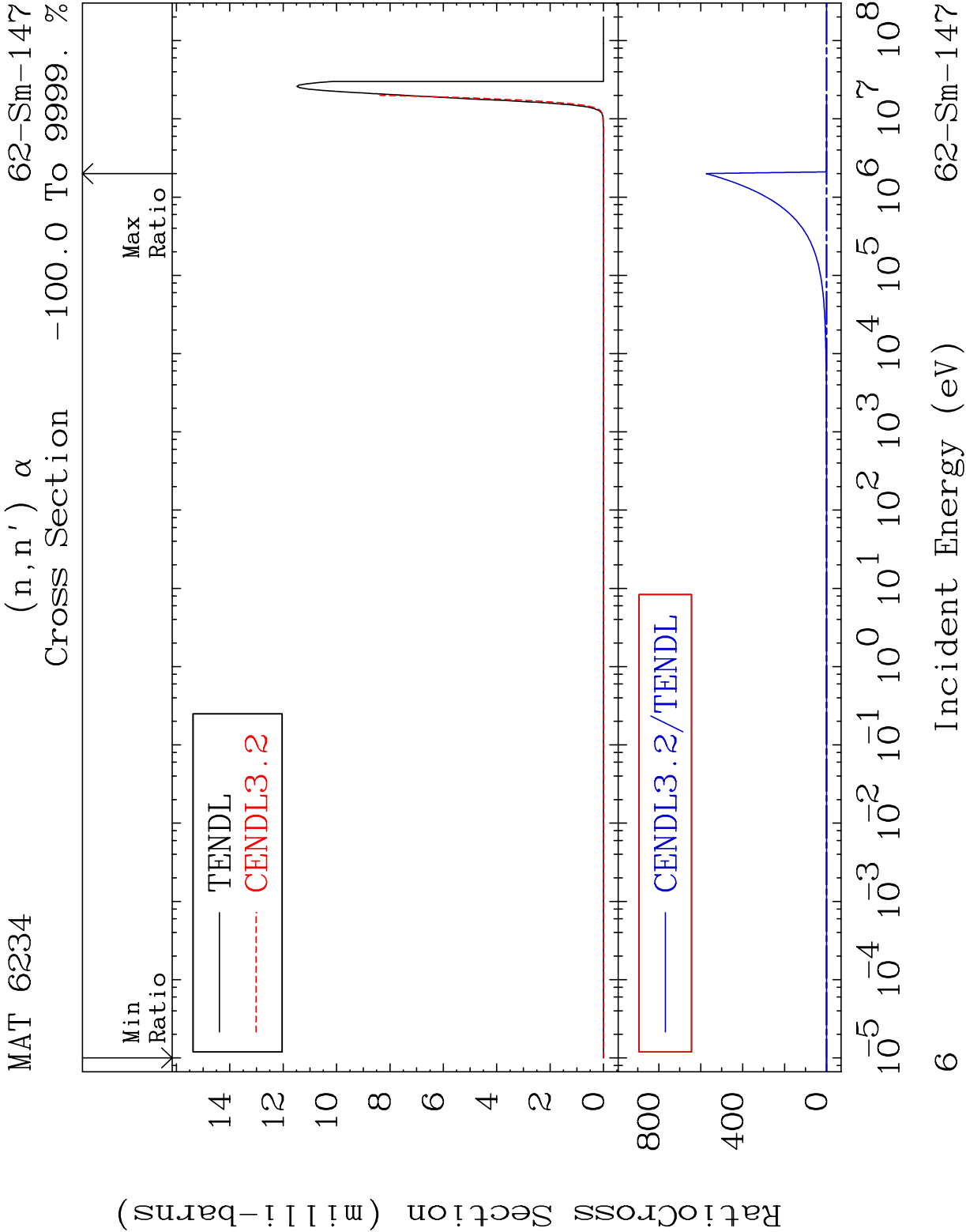


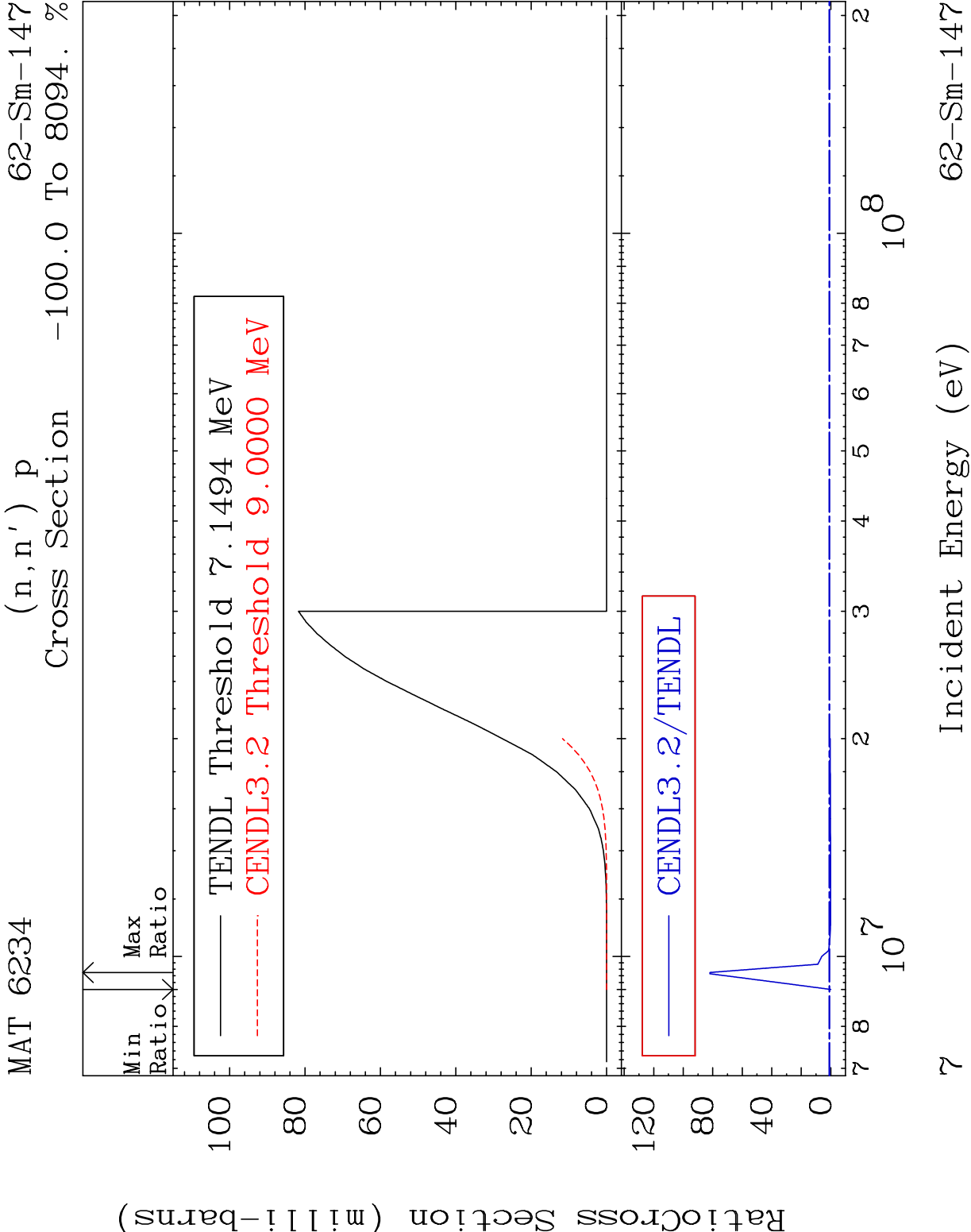




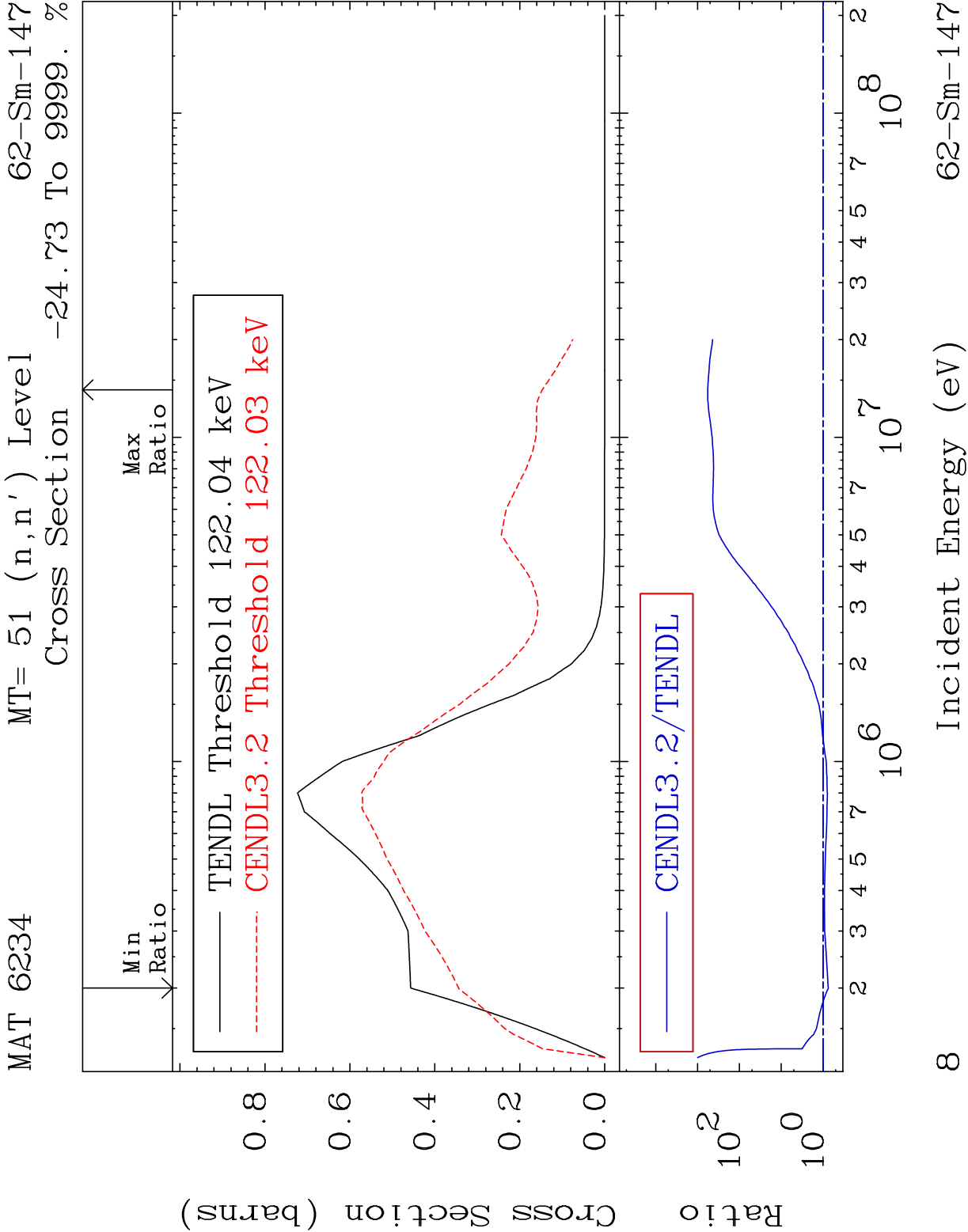


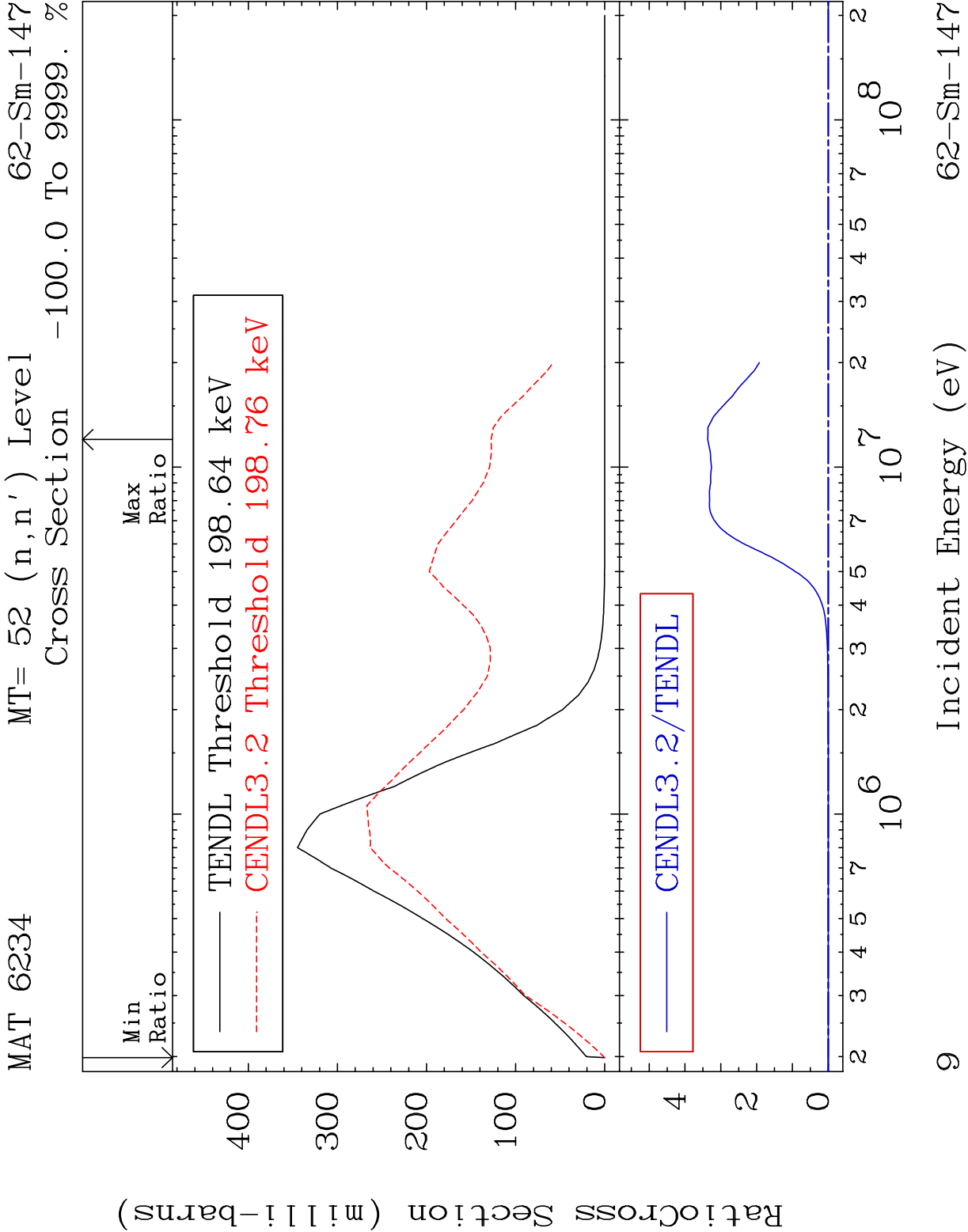


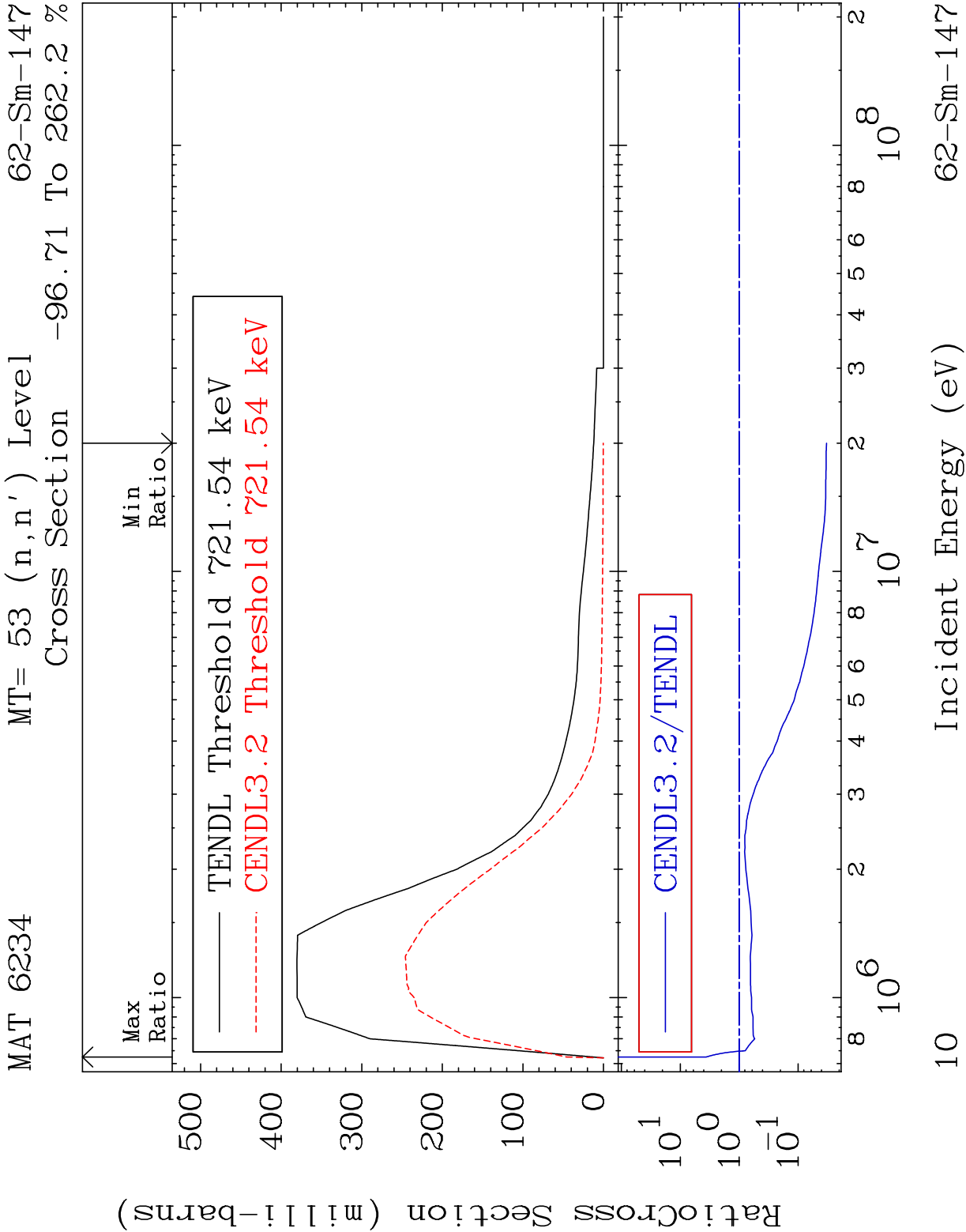












MAT 6234

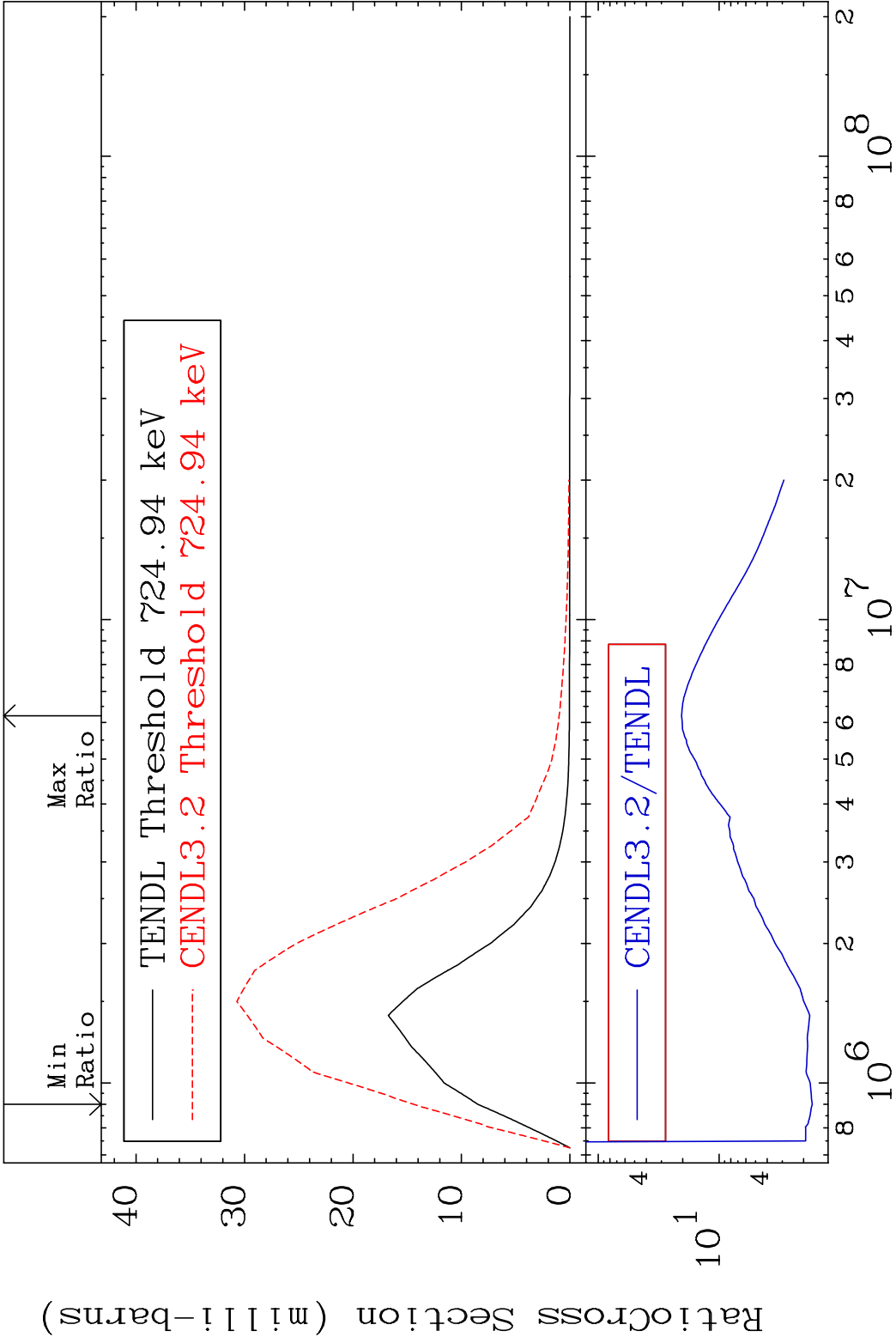
MT= 54 (n,n' ) Level

62-Sm-147

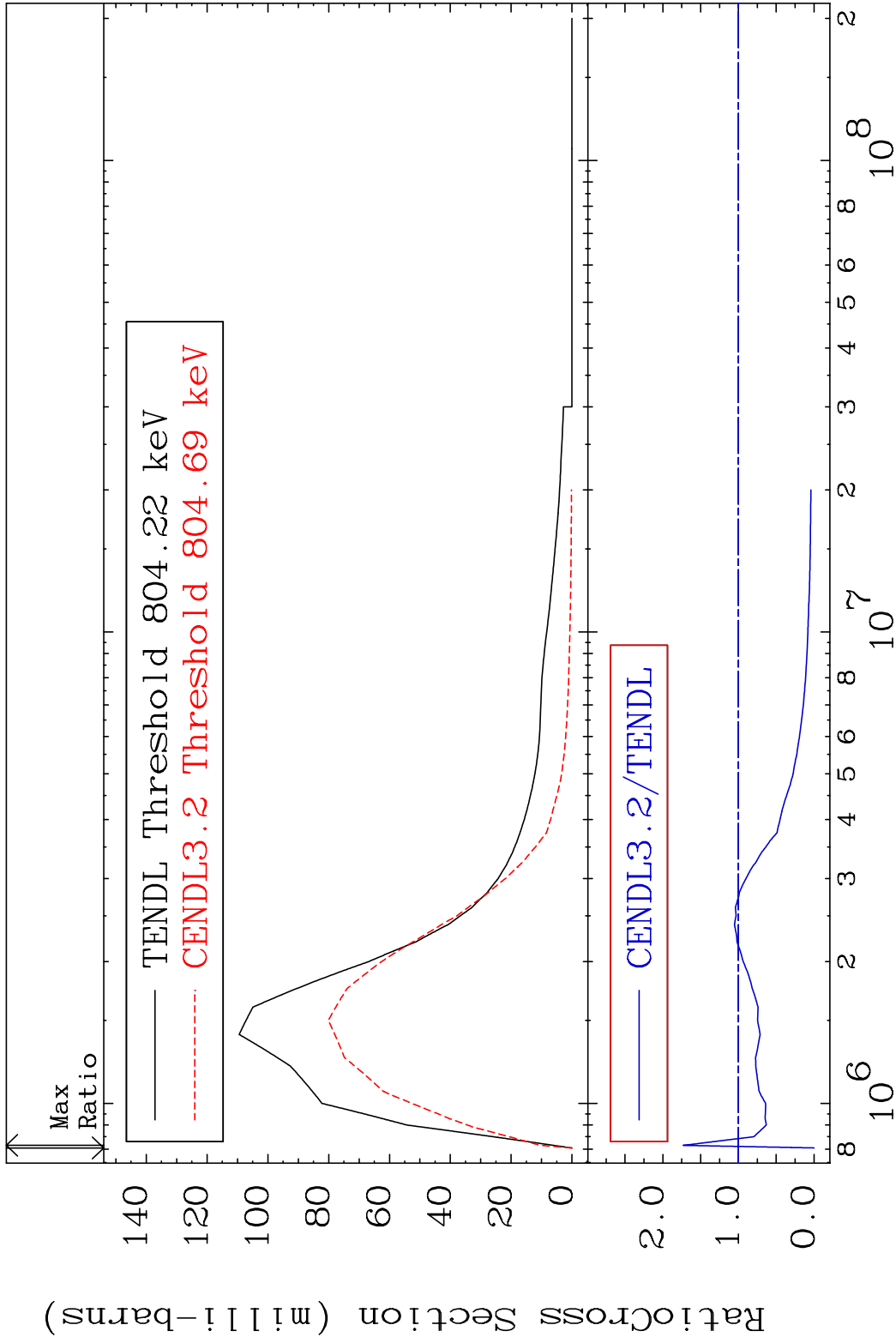
Cross Section

69.61

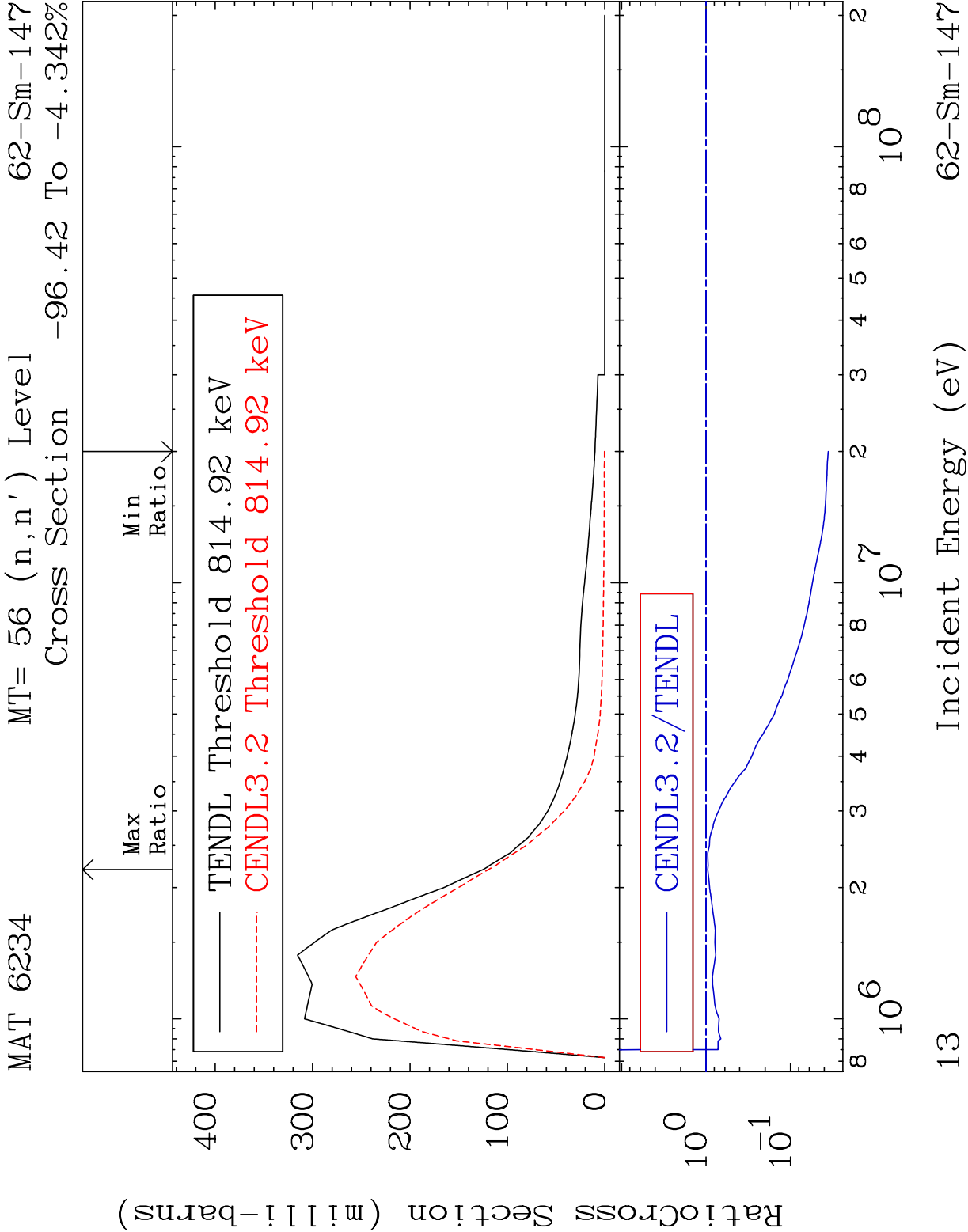
To 1944. %

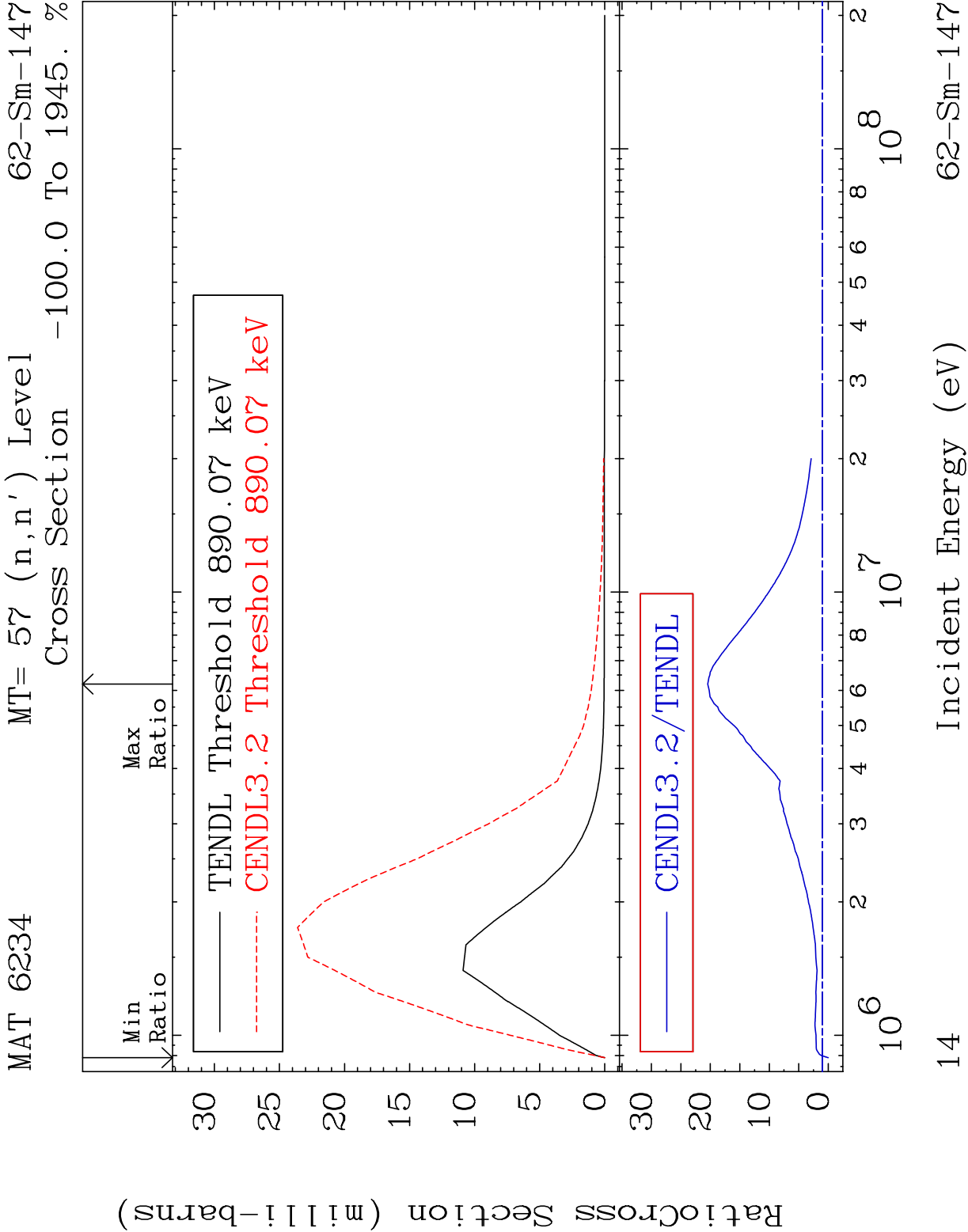


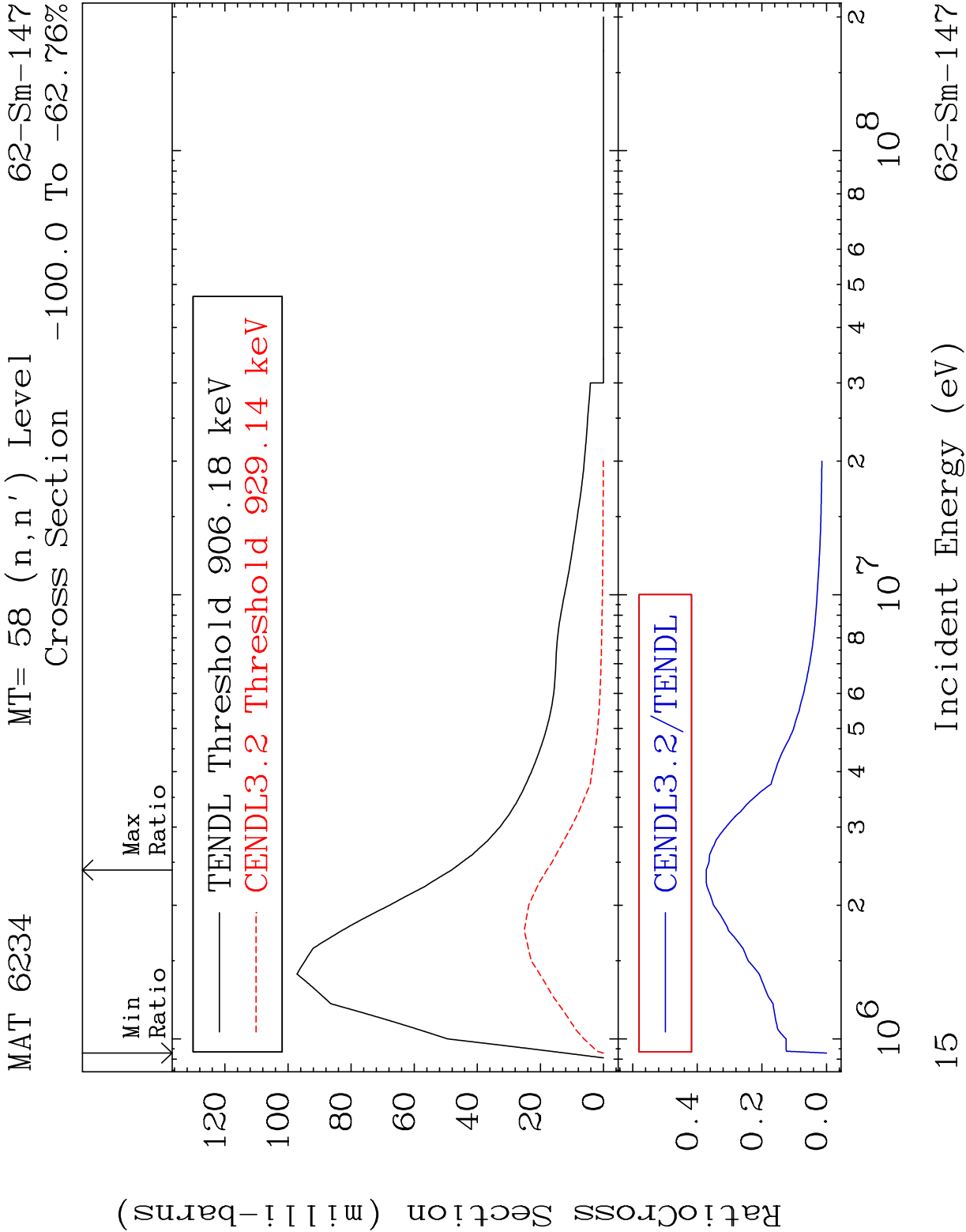
MAT 6234      MT= 55 (n,n') Level      62-Sm-147  
Cross Section    -100.0 To 72.70 %



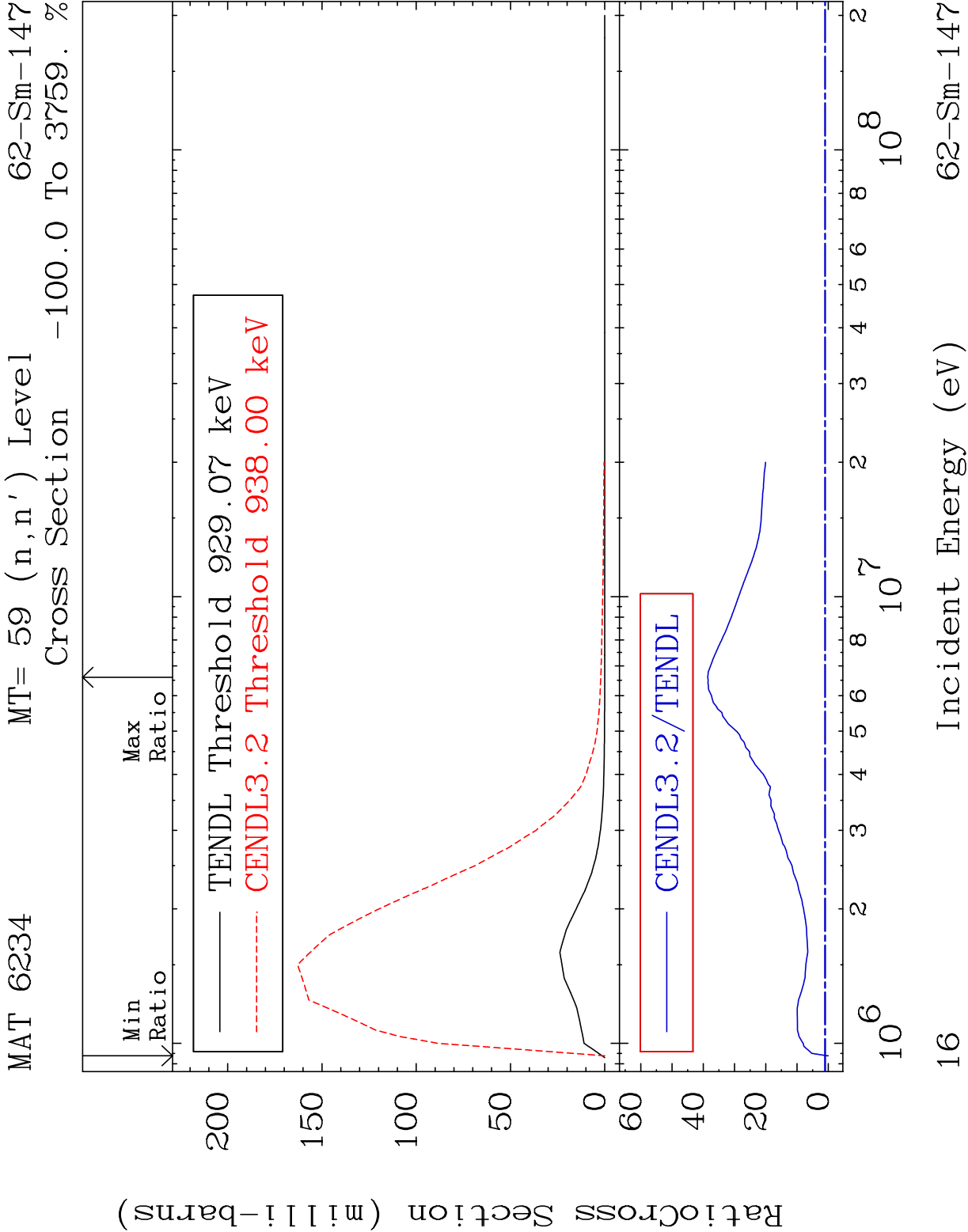
12      Incident Energy (eV)      62-Sm-147

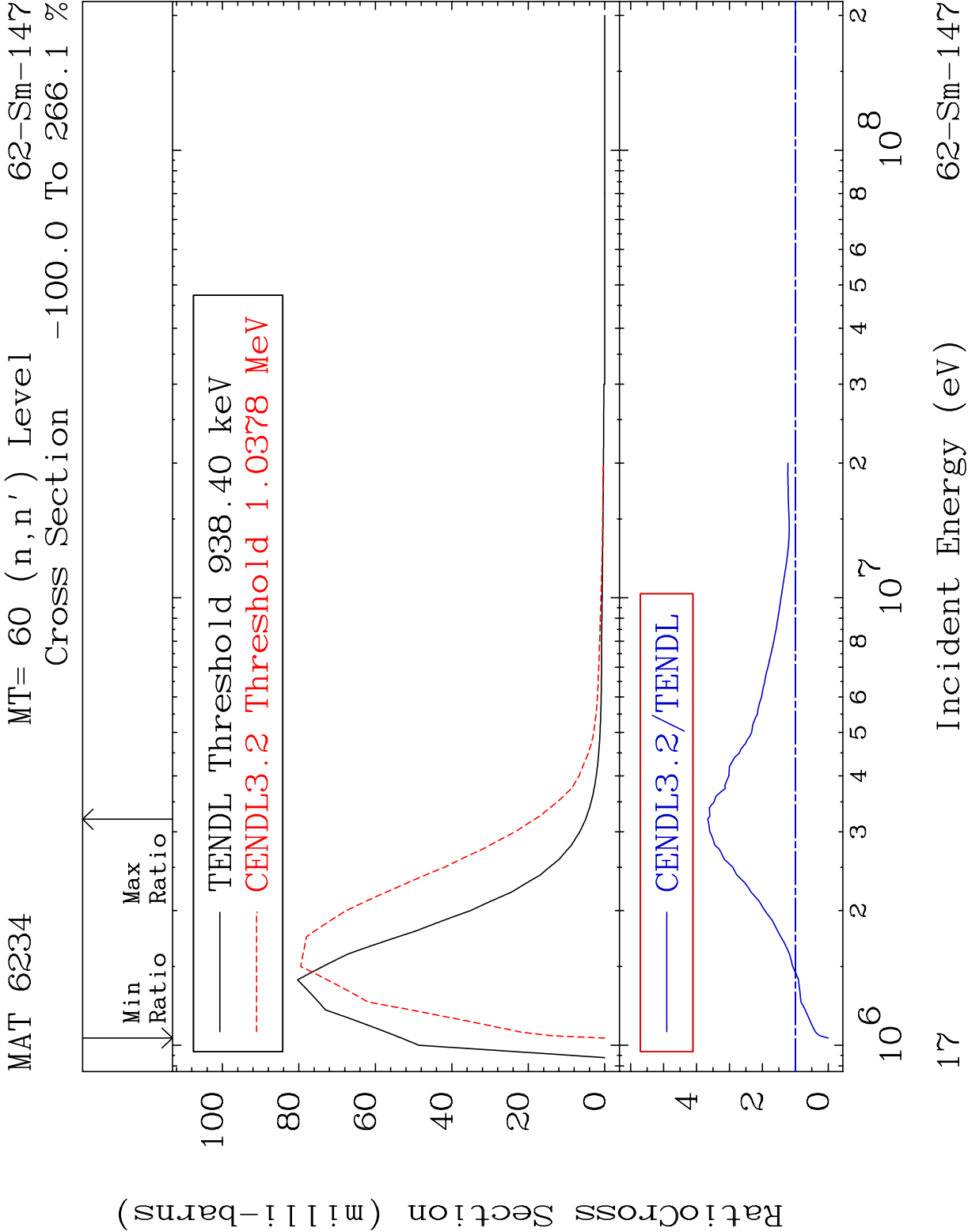


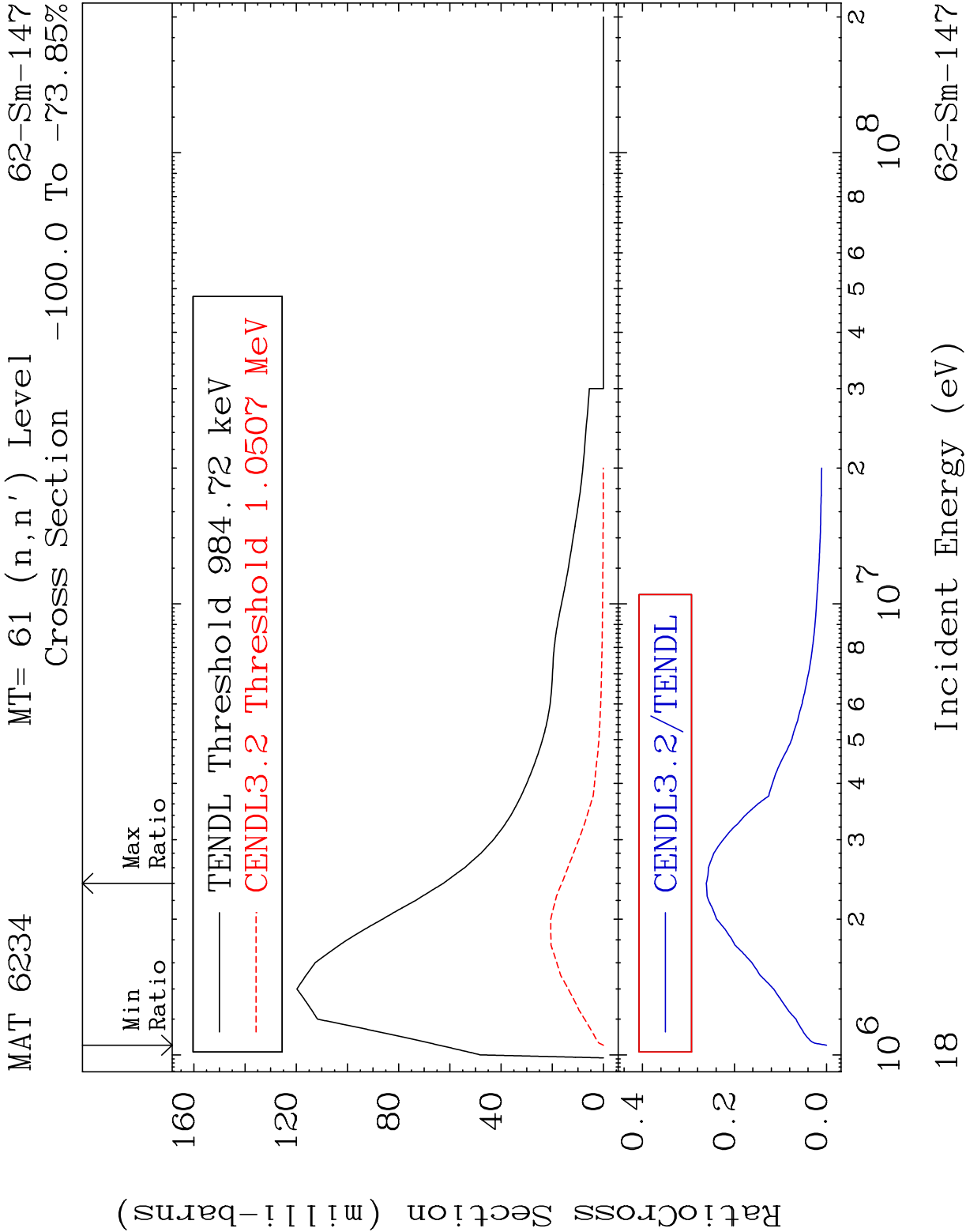


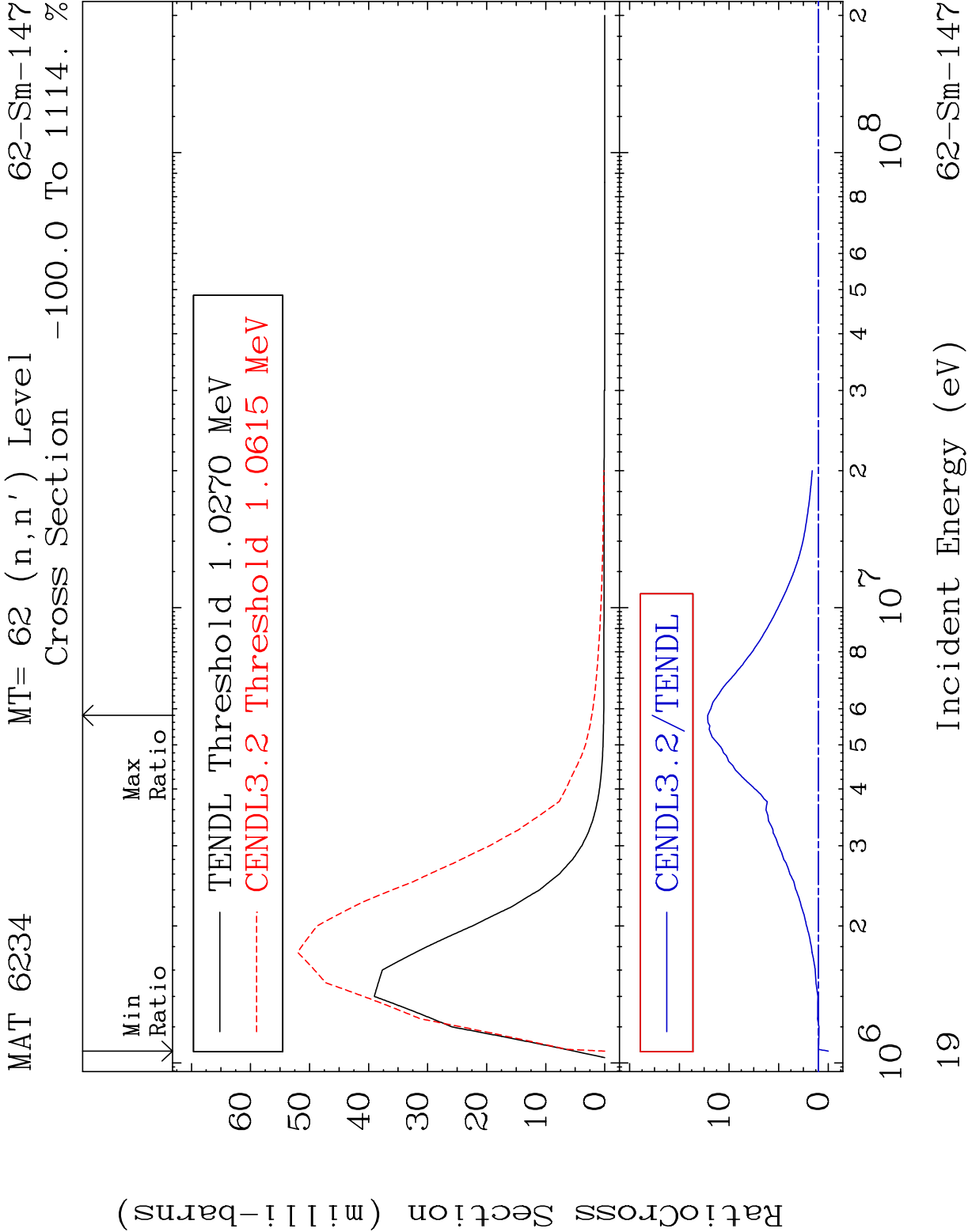


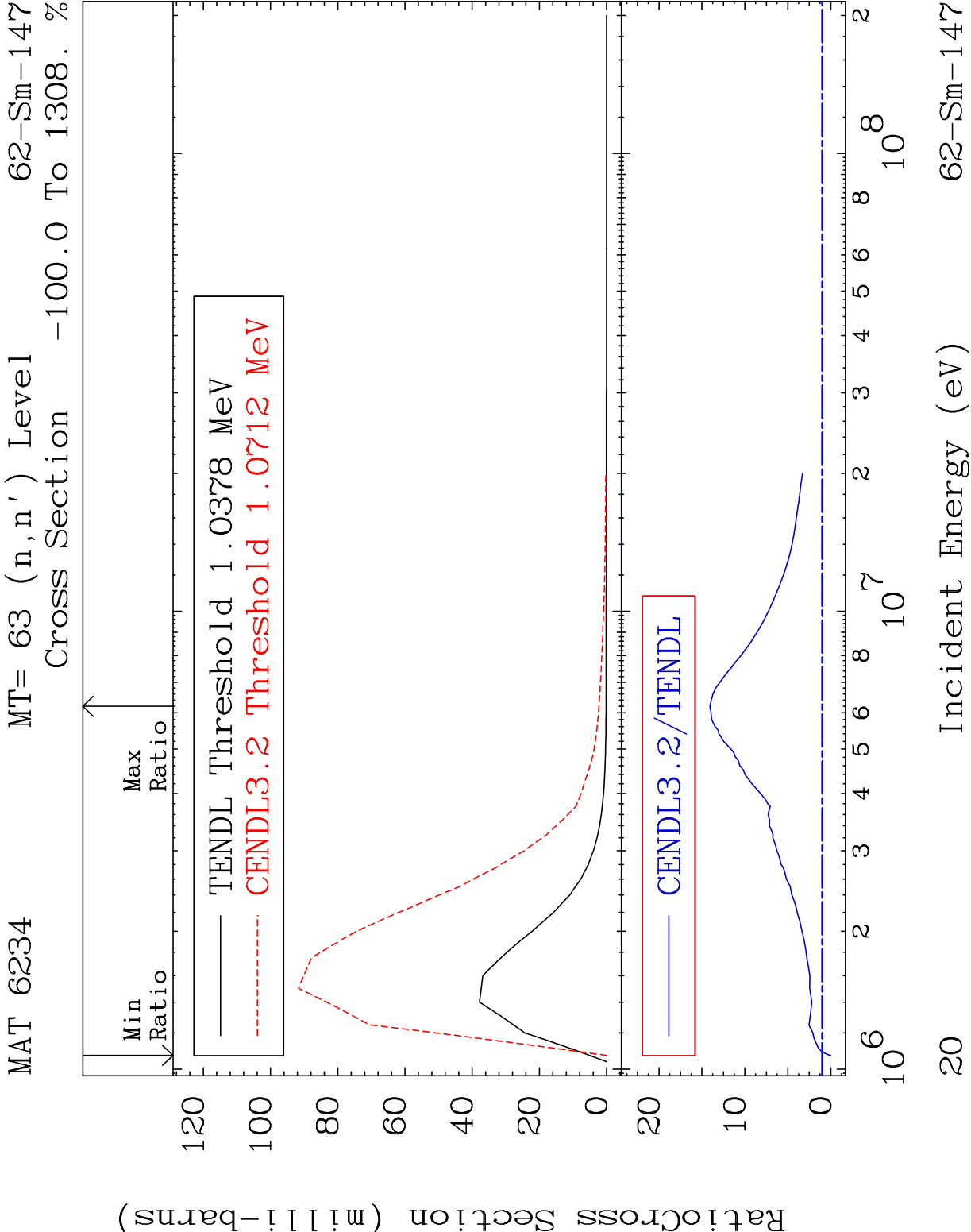


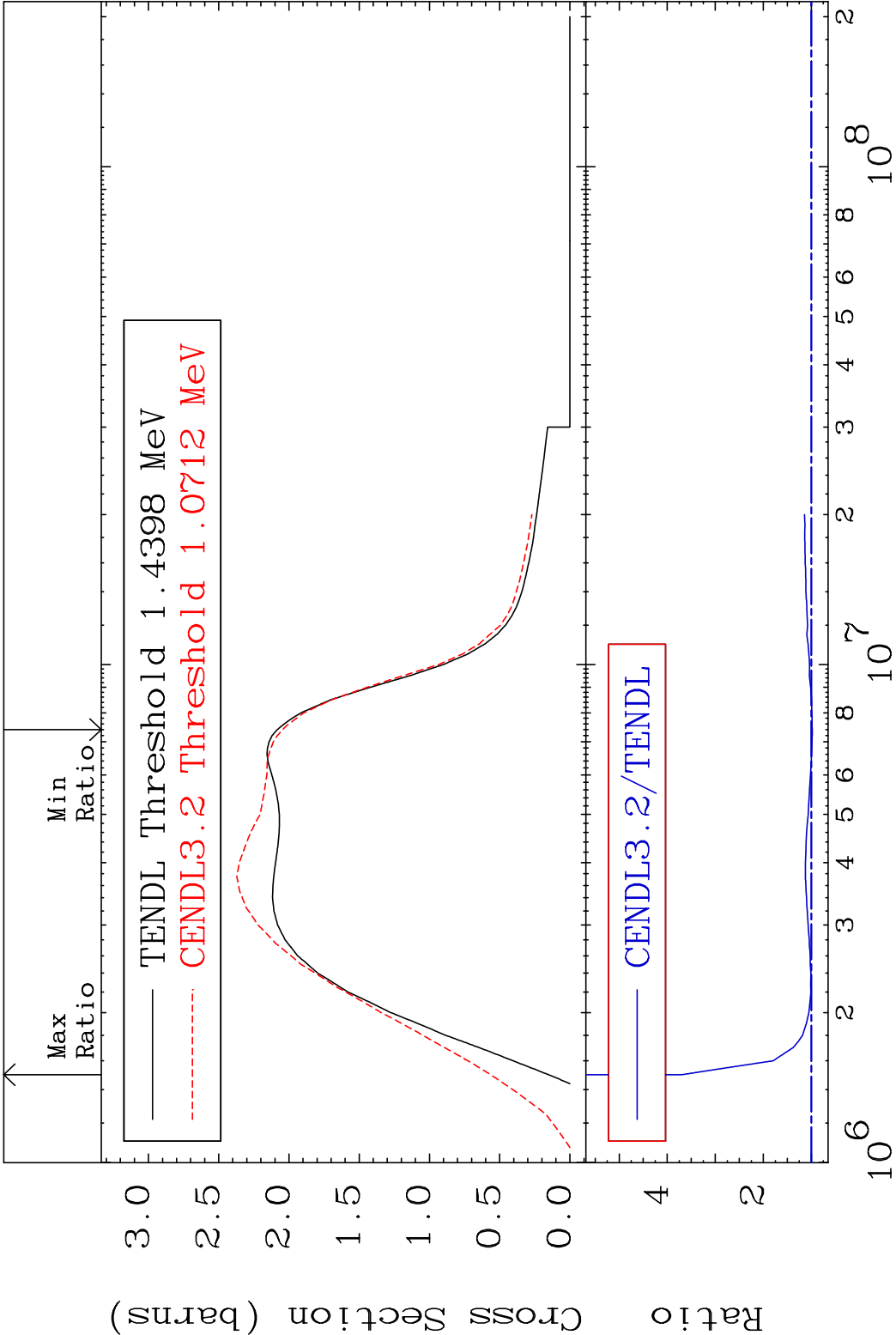


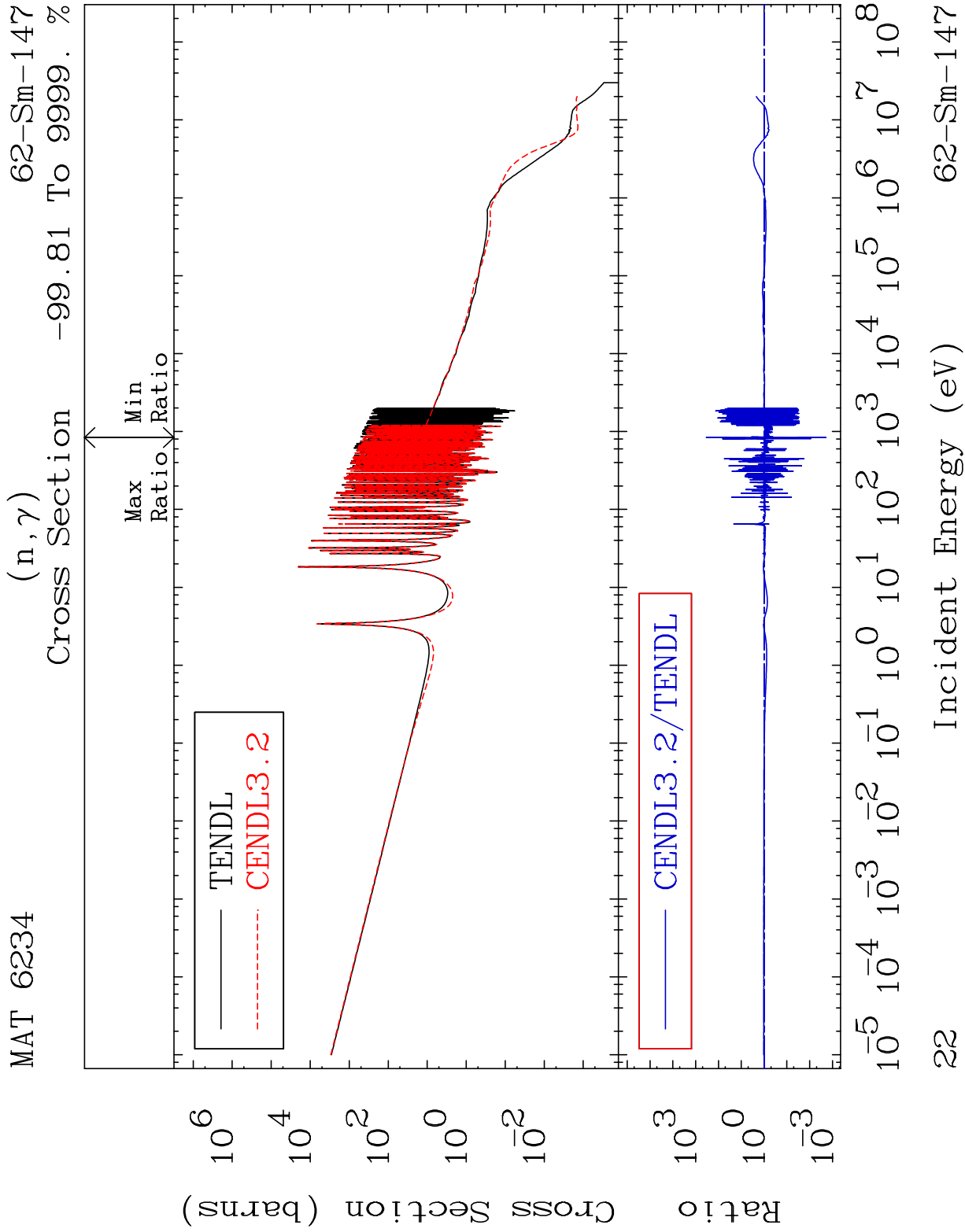


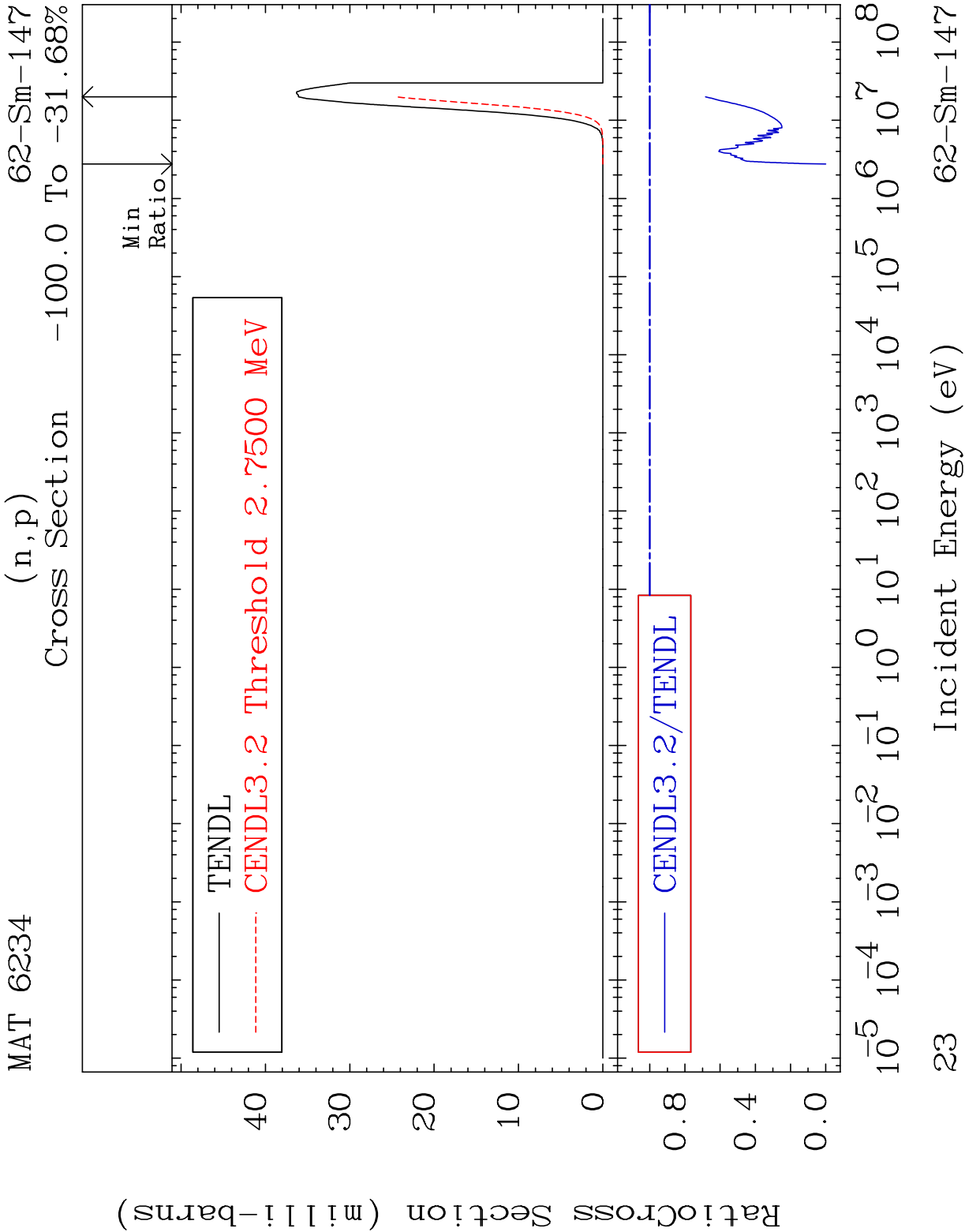




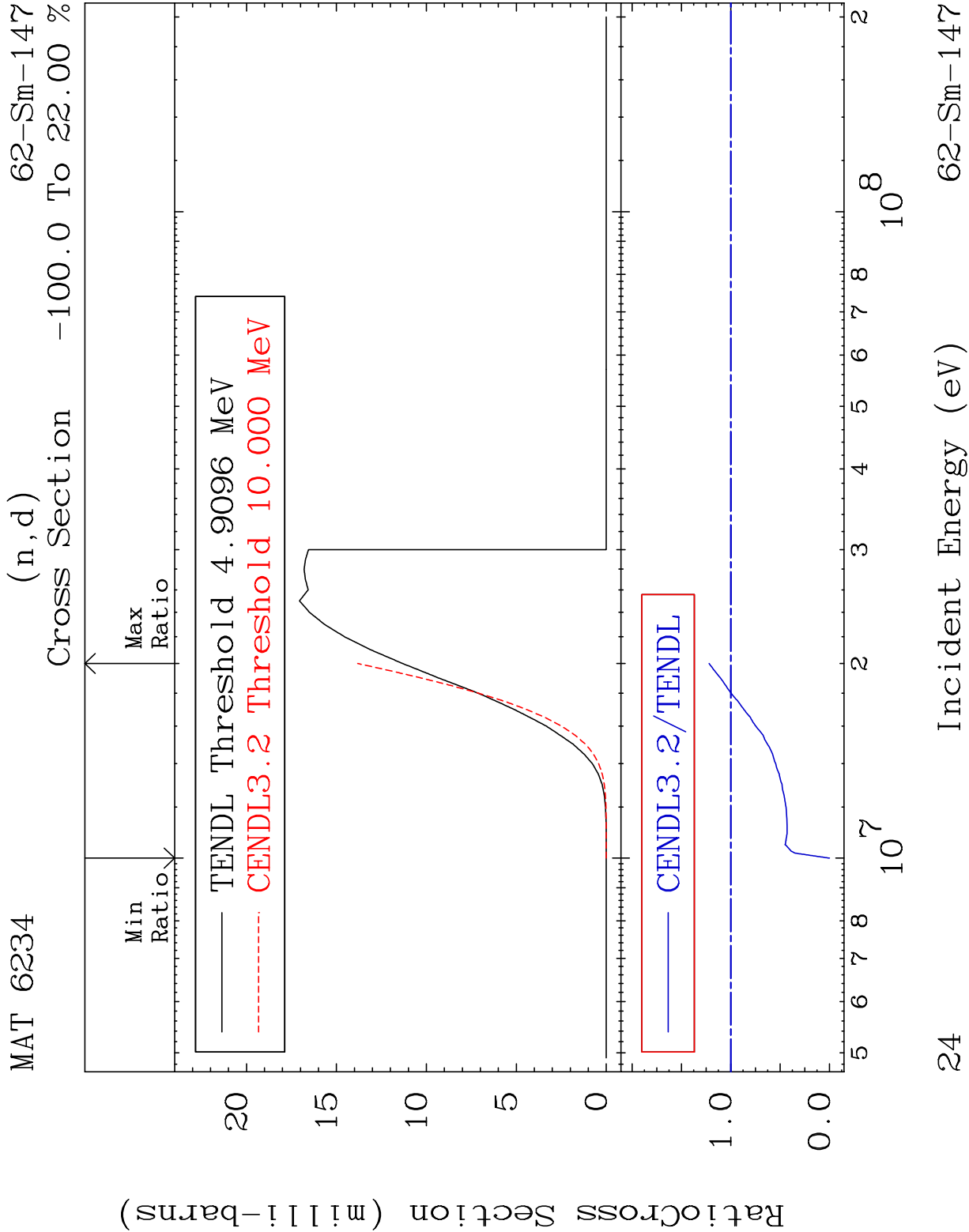


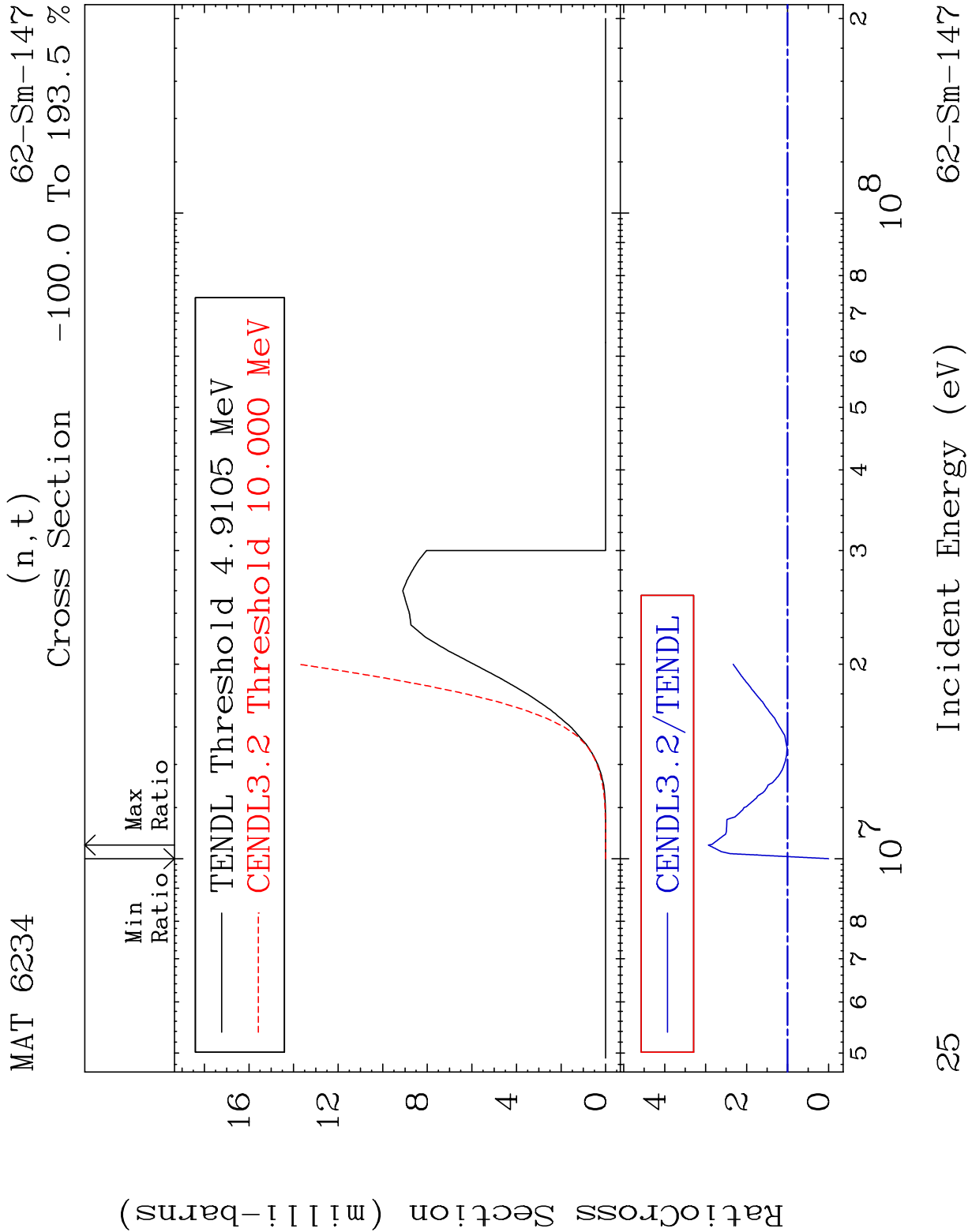


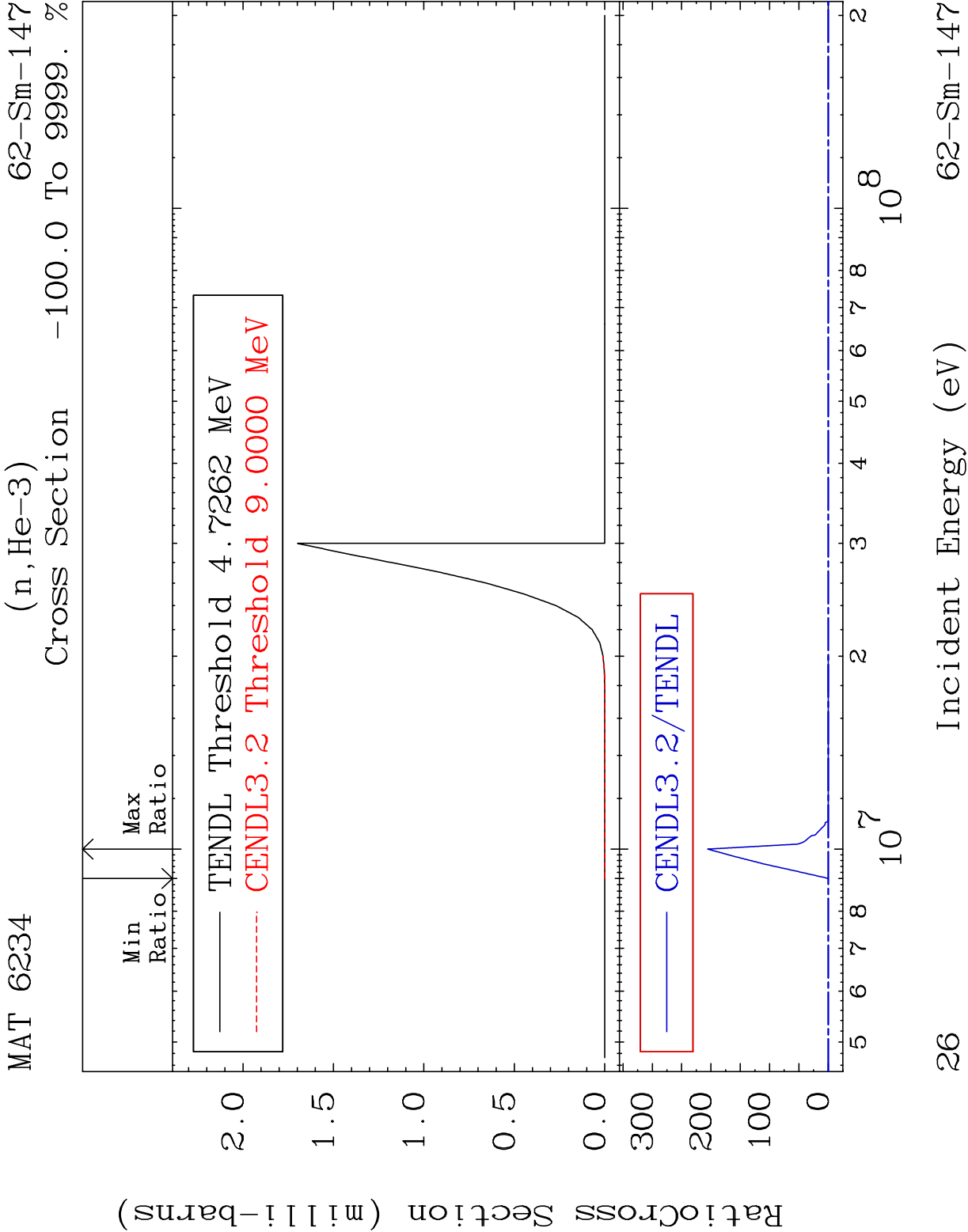


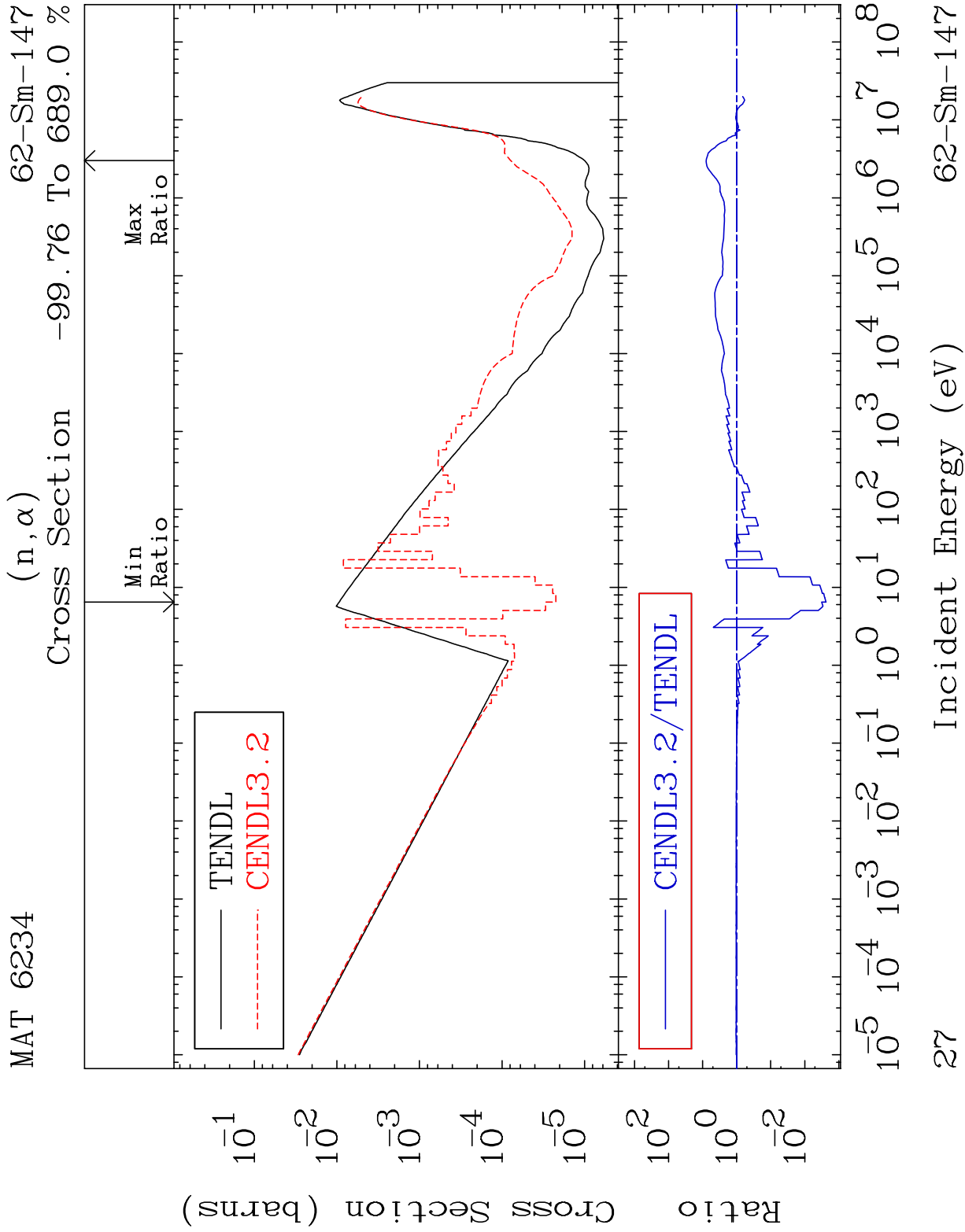










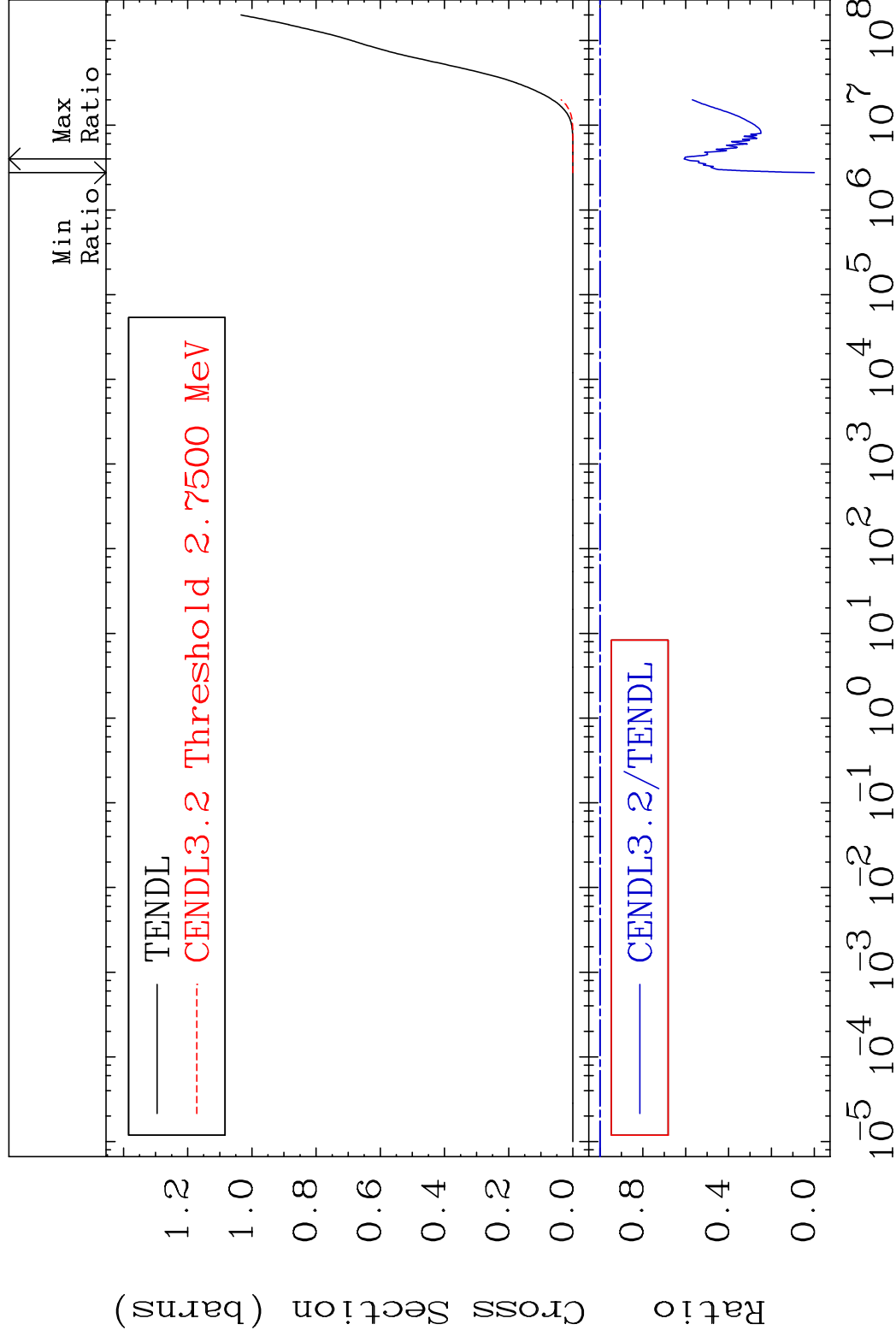


MAT 6234

## Hydrogen Production

62-Sm-147

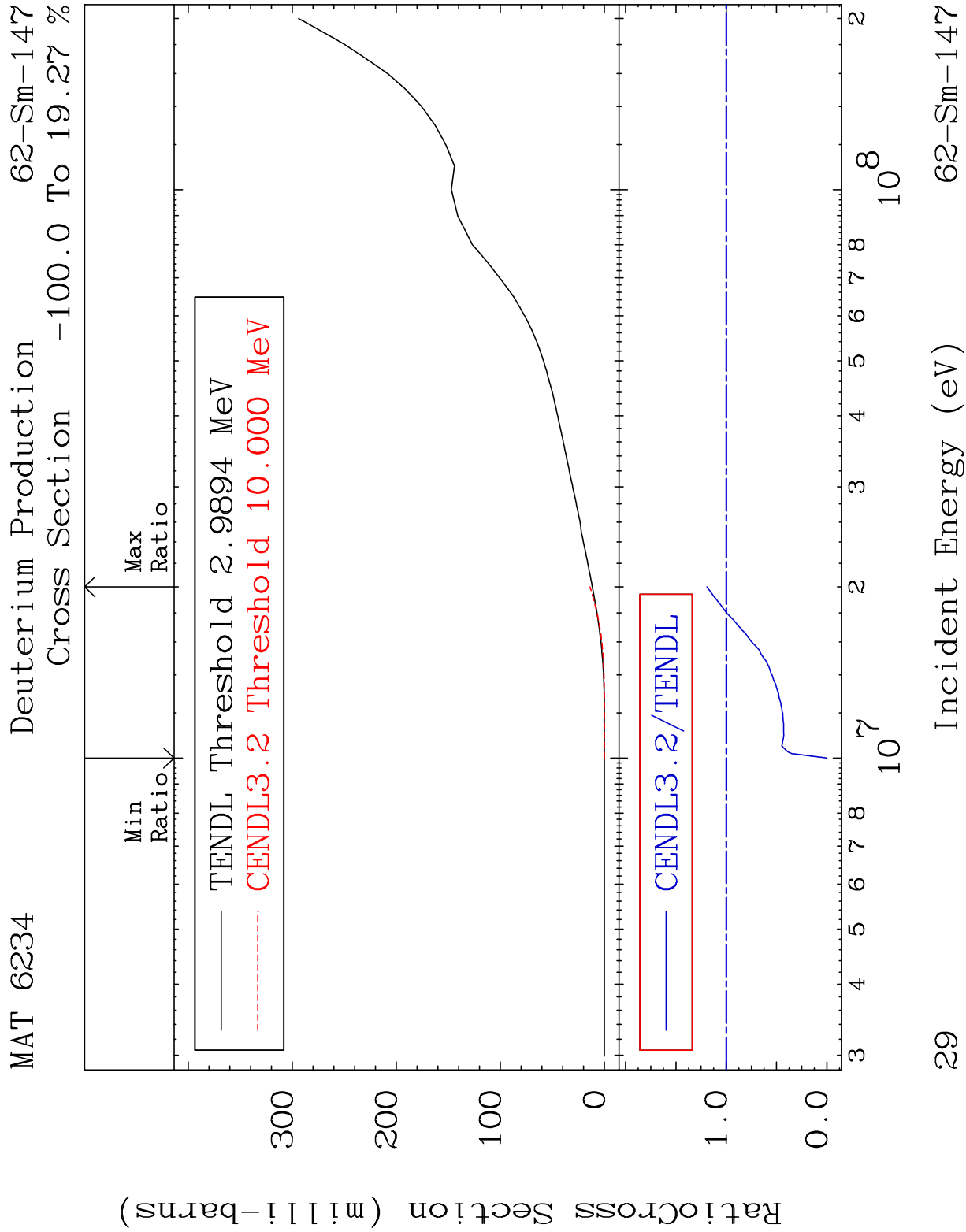
Cross Section  $-100.0$  To  $-39.26\%$

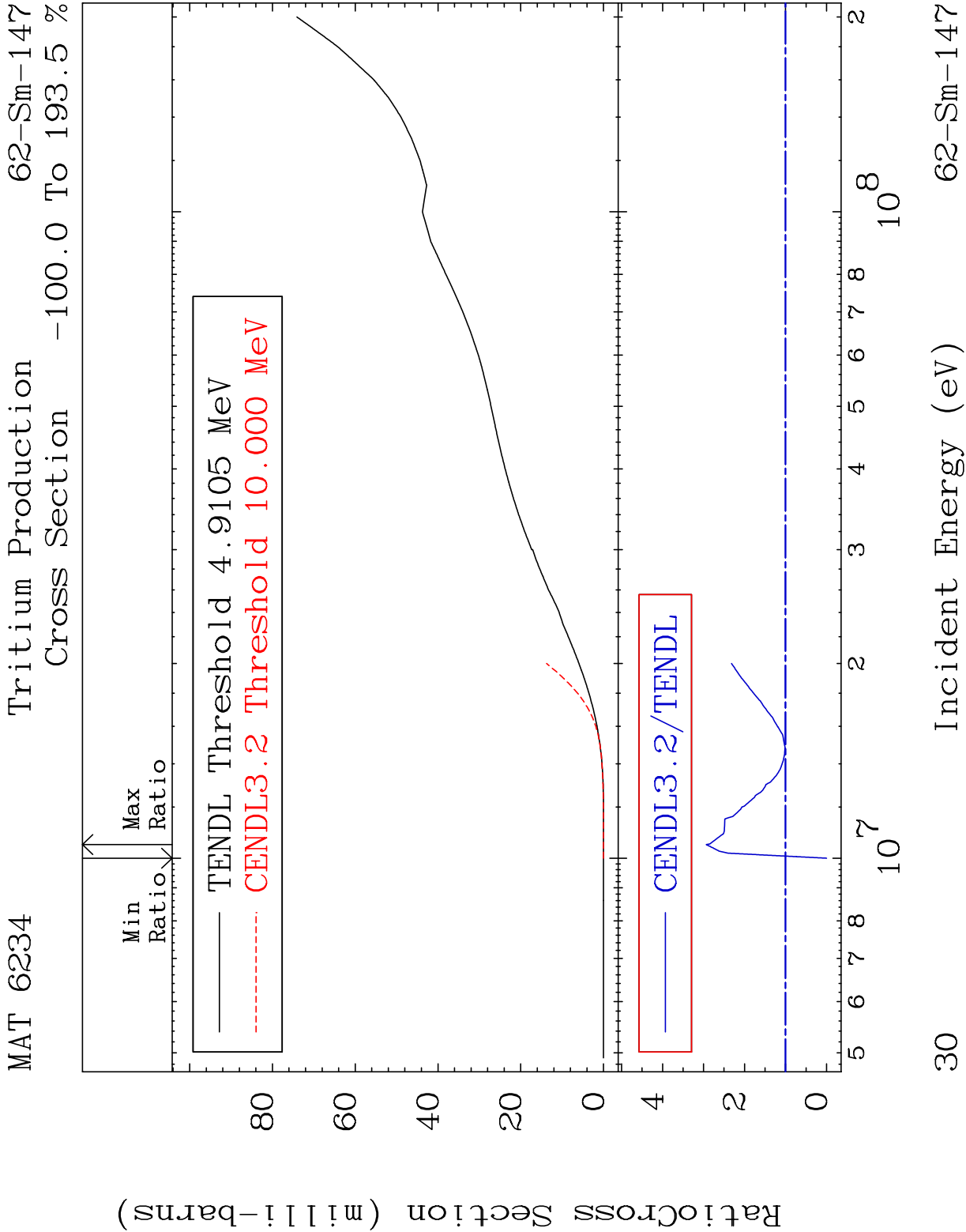


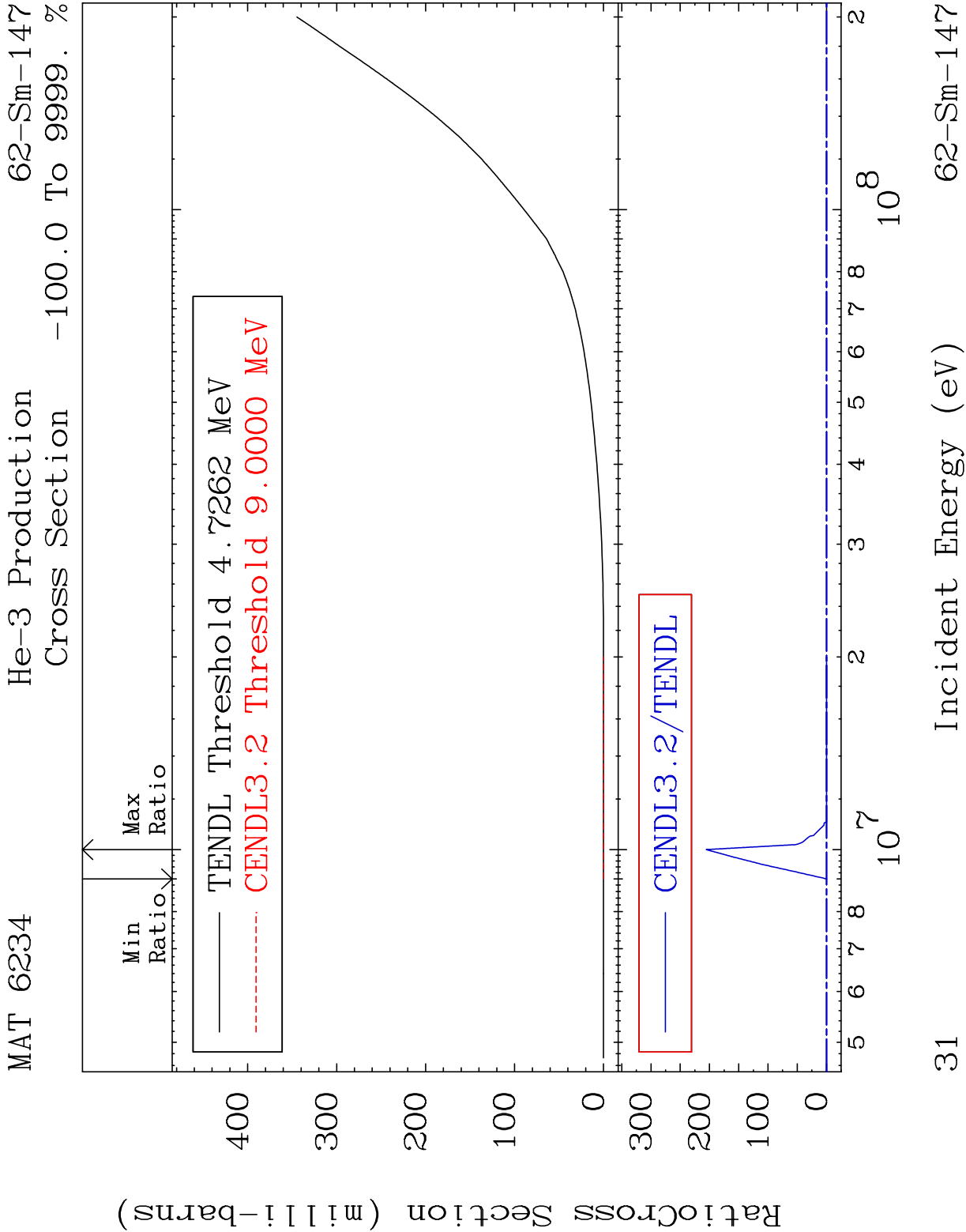
82

Incident Energy (eV)

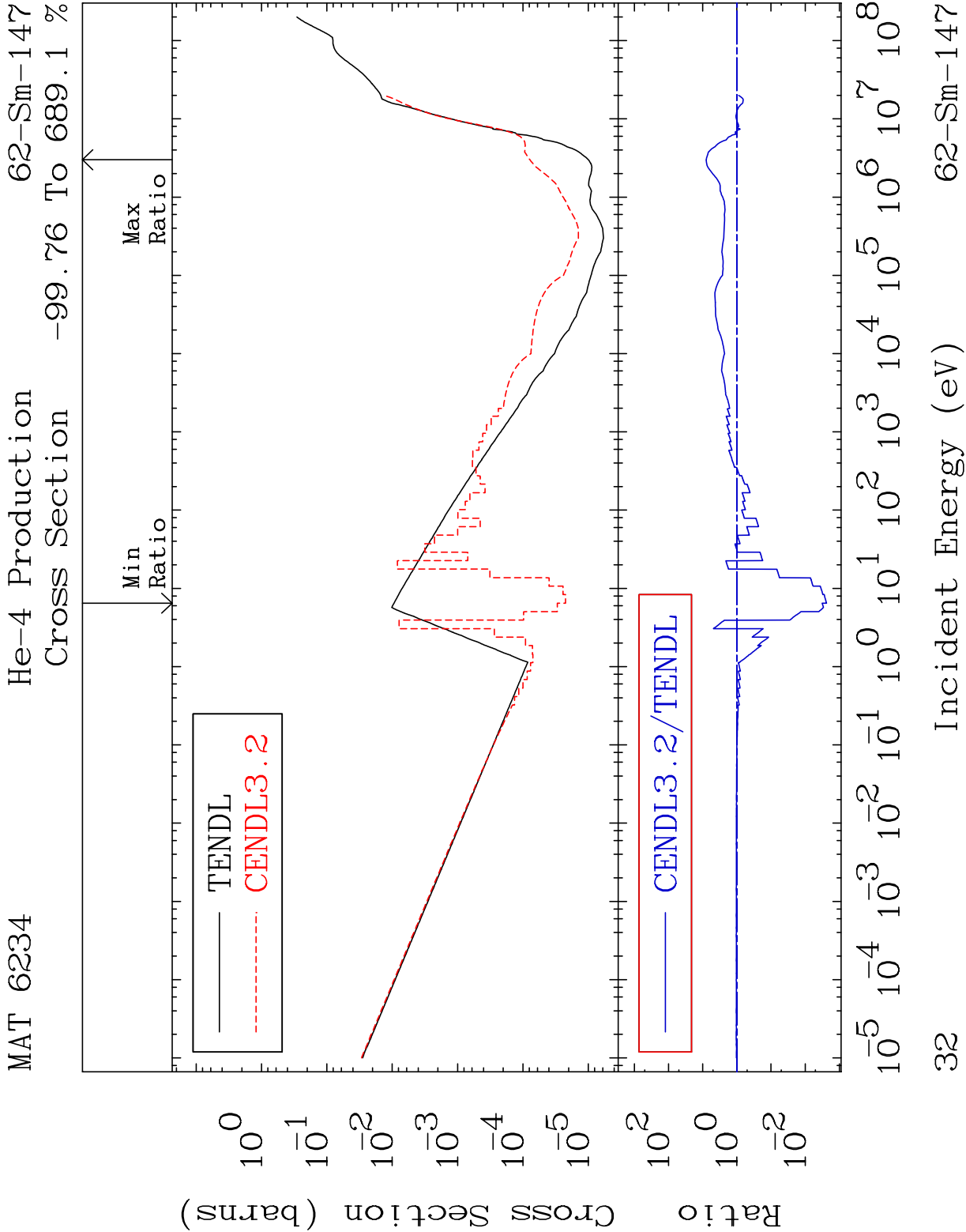
62-Sm-147











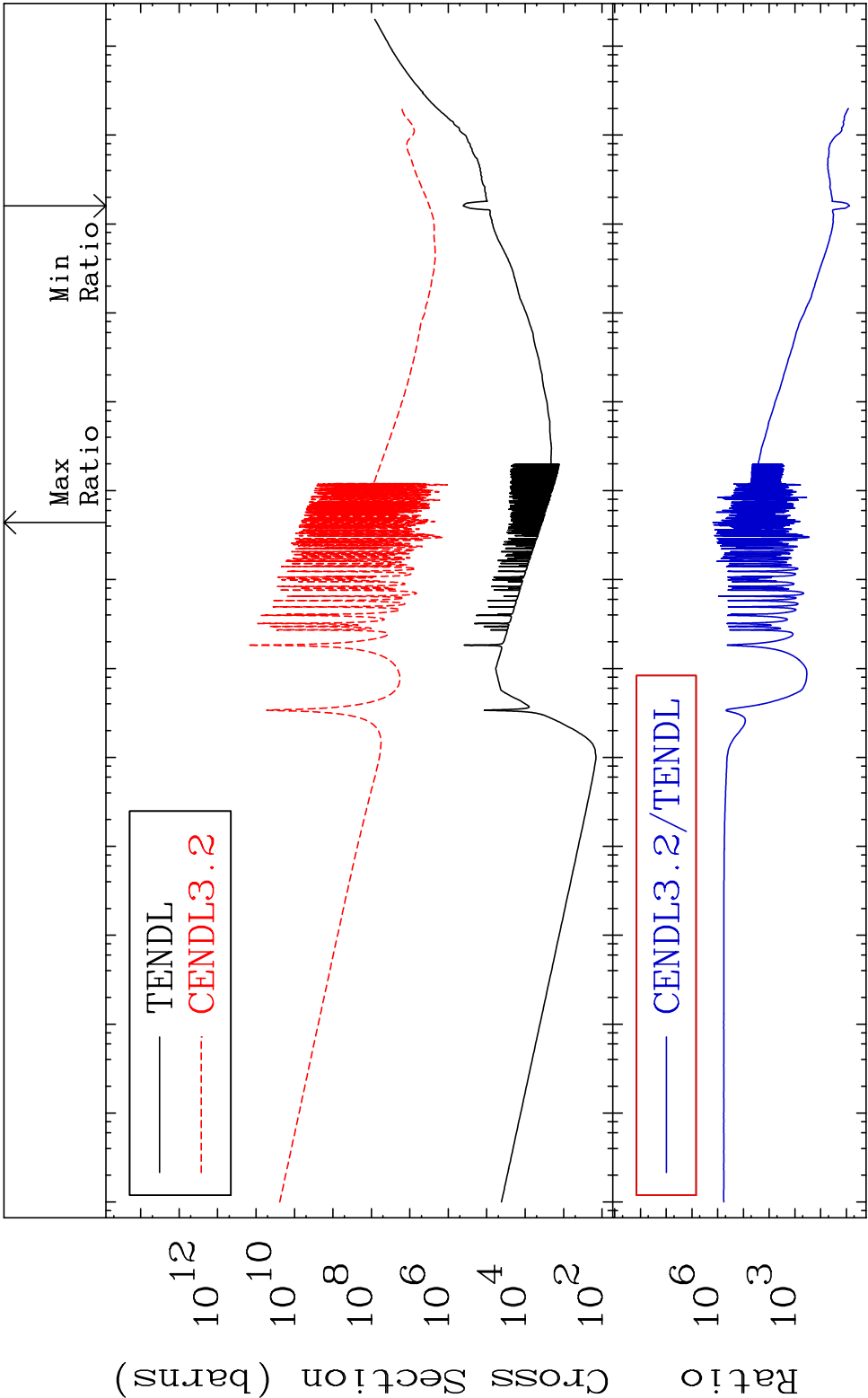
MAT 6234

Kerma total (eV-barns)

62-Sm-147

Cross Section

655.7 To 9999. %

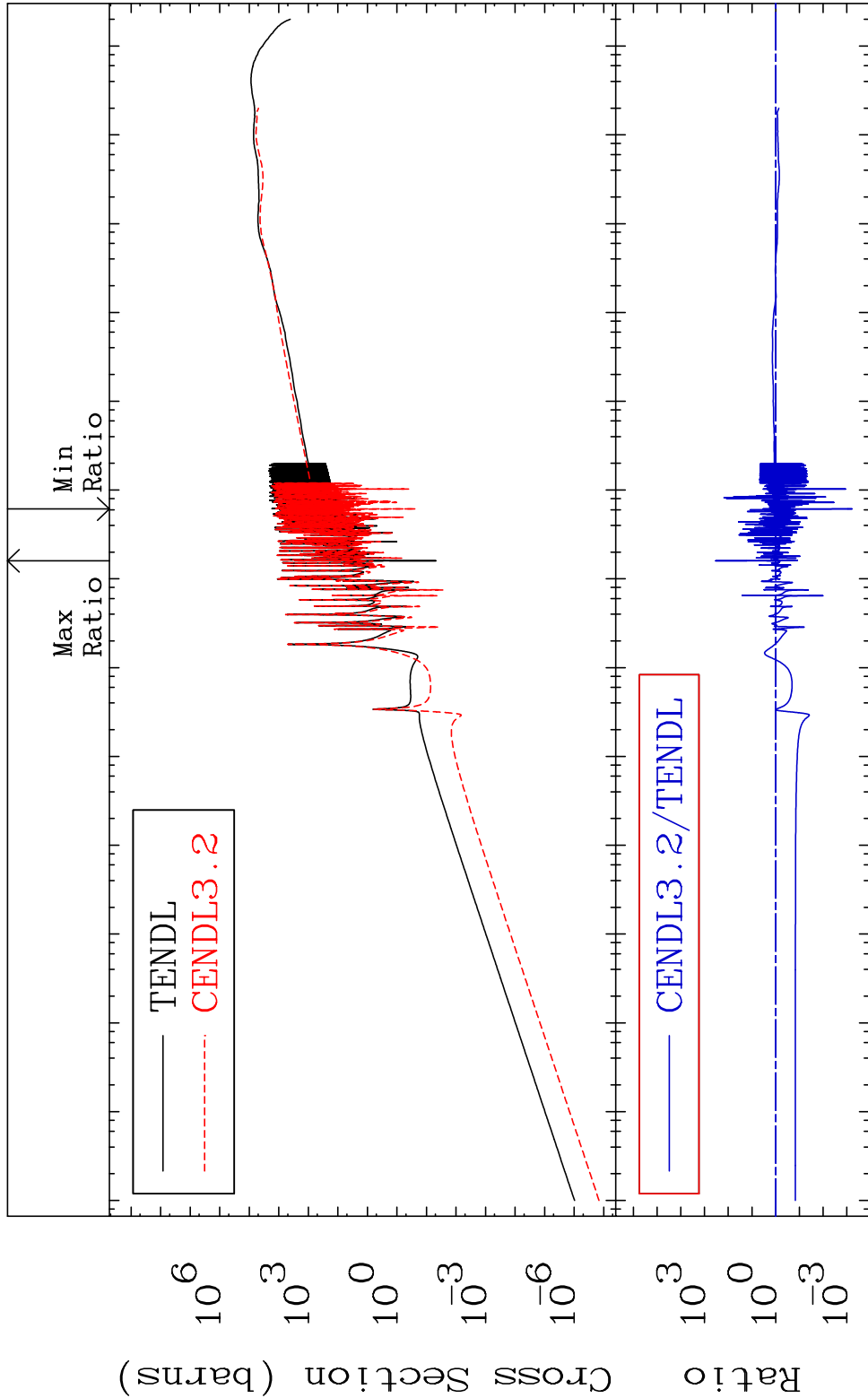


33

Incident Energy (eV)

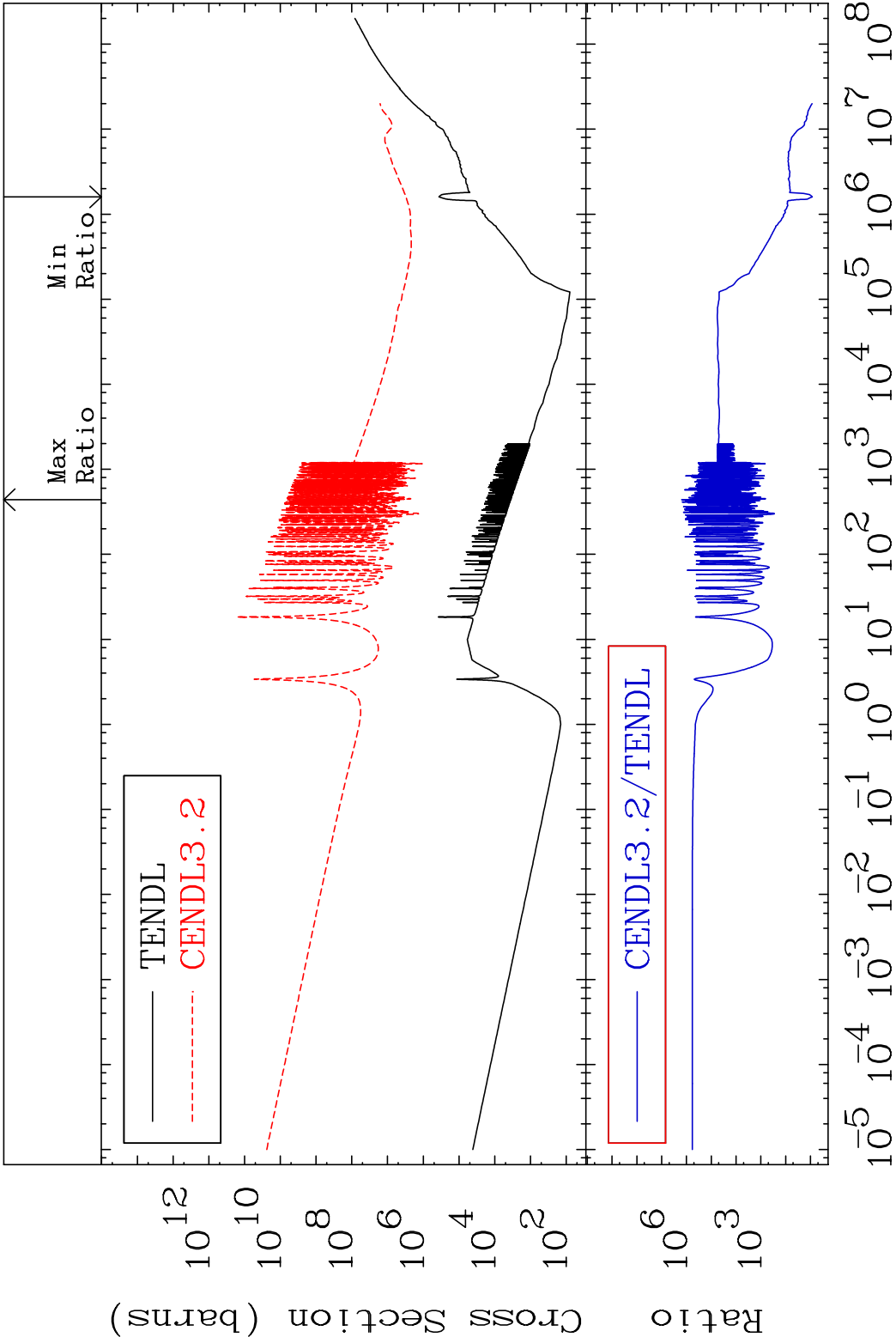
62-Sm-147

MAT 6234      Kerma elastic      62-Sm-147  
 Cross Section      -99.94 To 9999. %

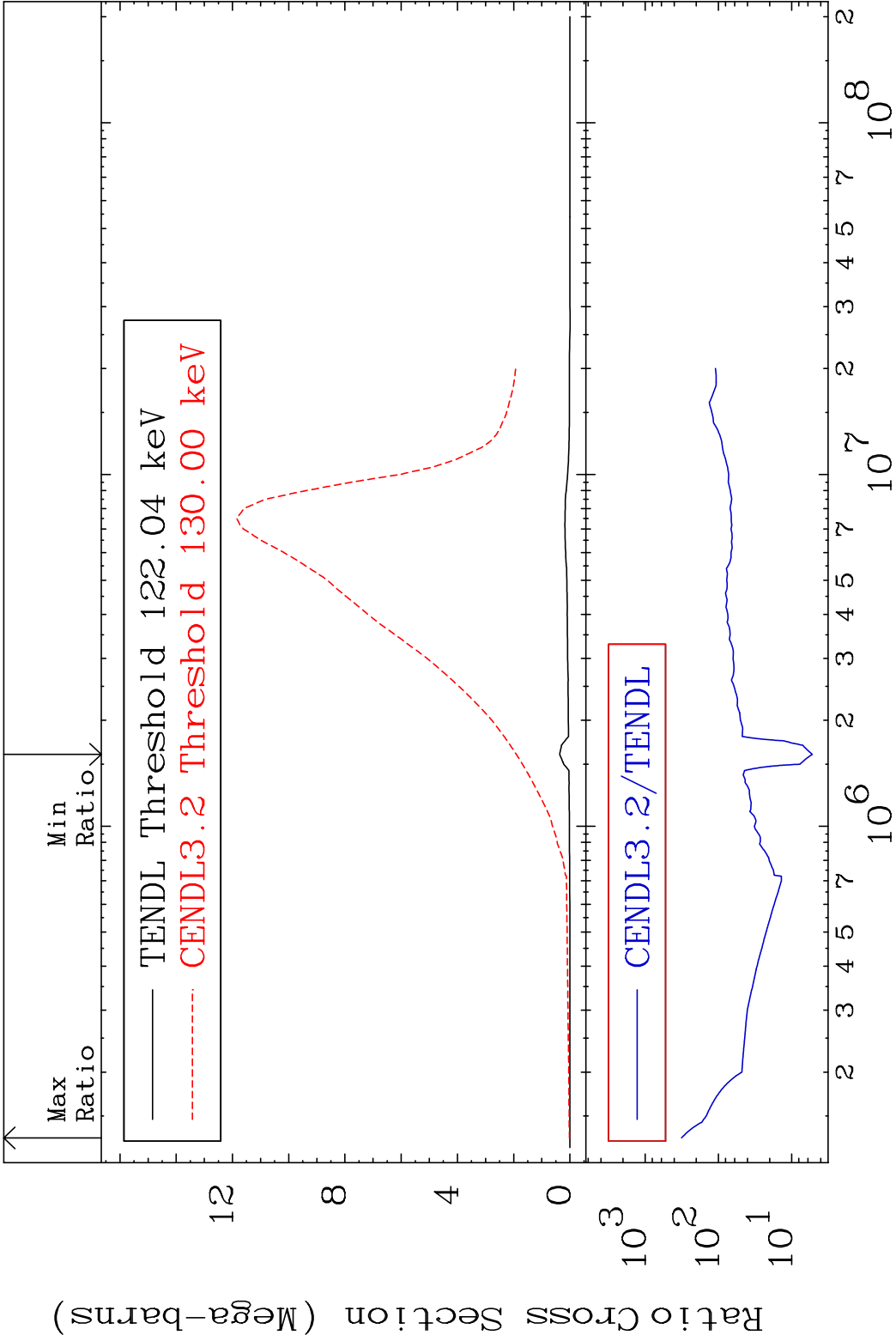


$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

MAT 6234    Kerma non-elastic (all but mt2)    62-Sm-147  
 Cross Section    745.9    To 9999. %

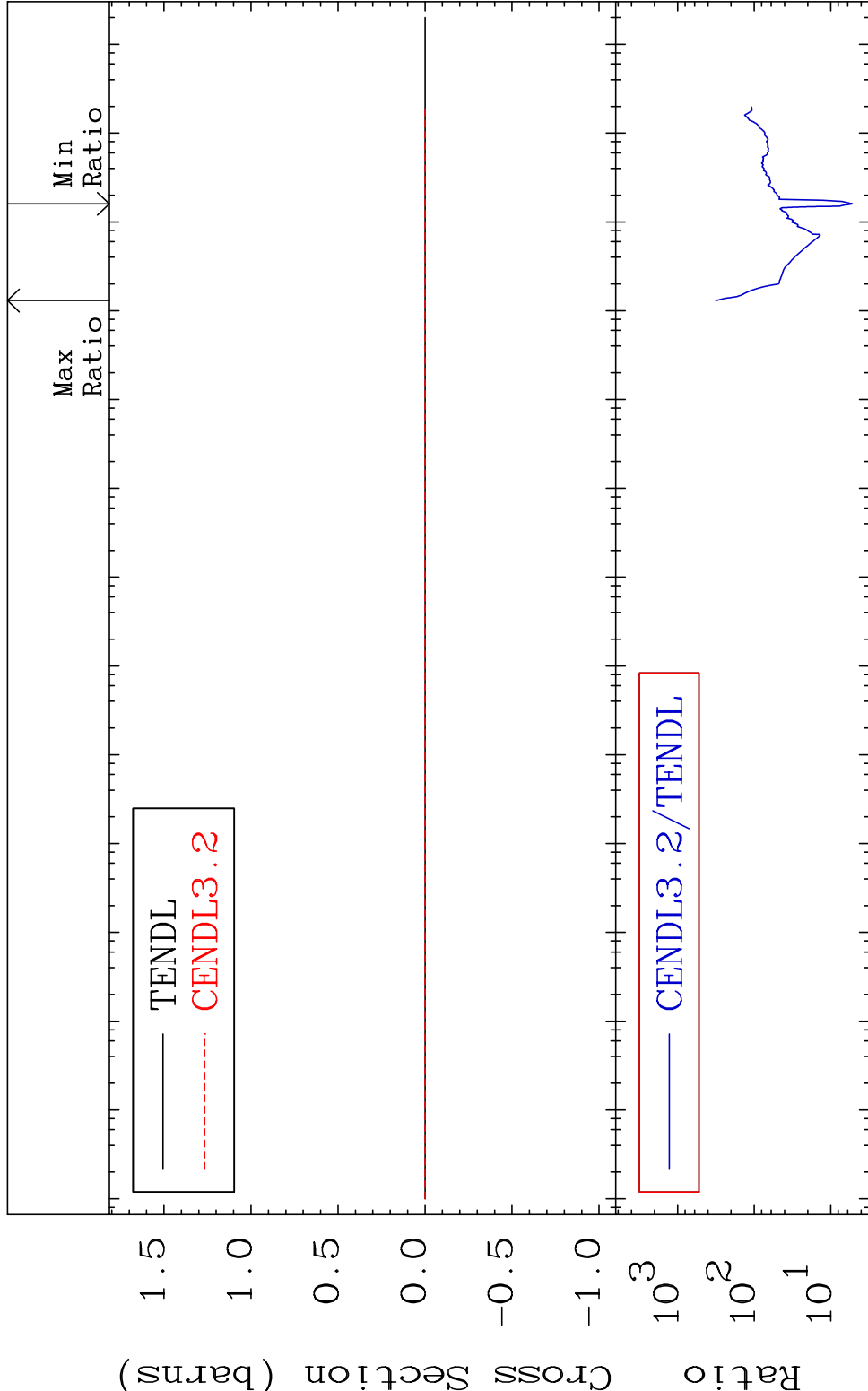


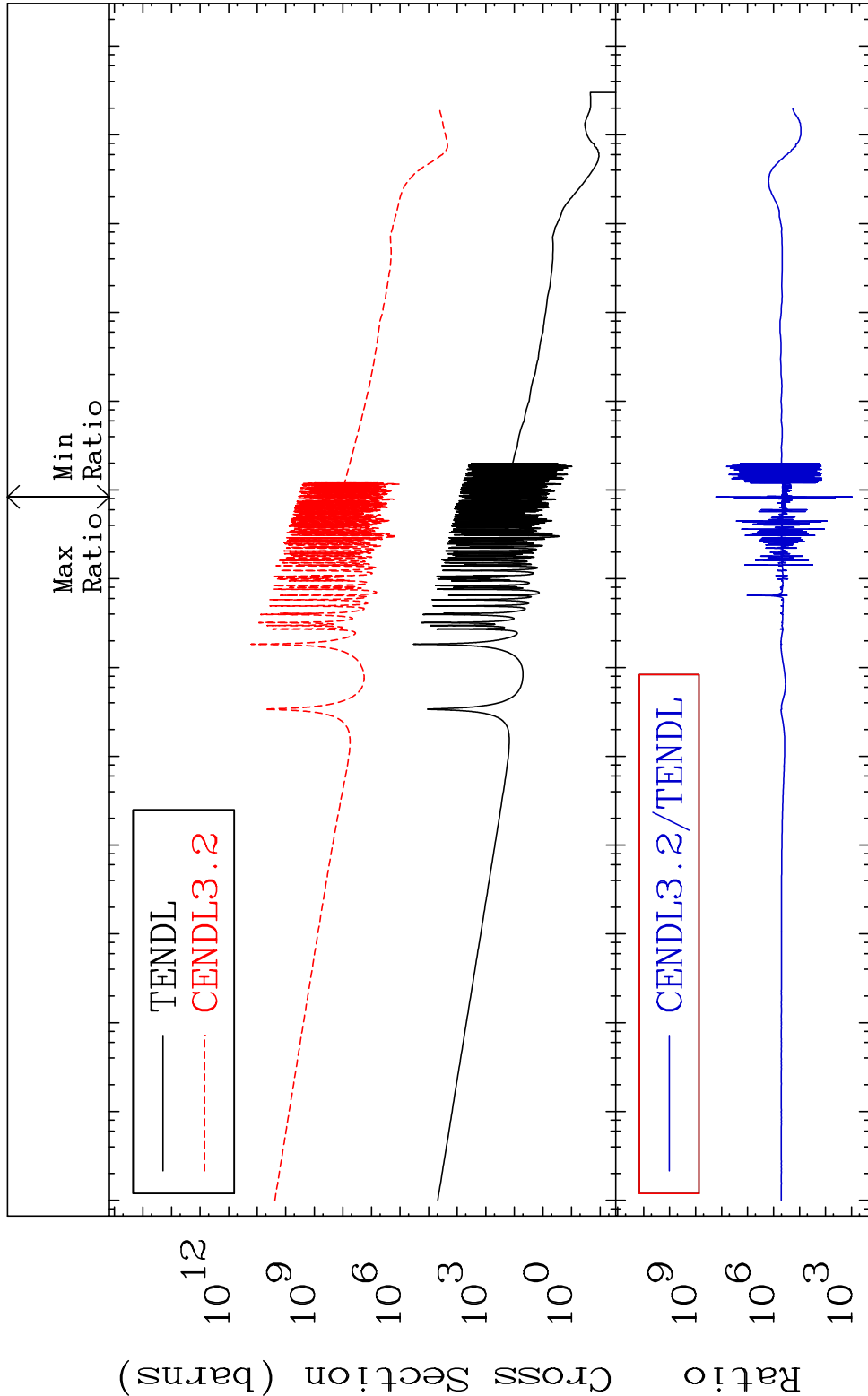
35    Incident Energy (eV)    62-Sm-147

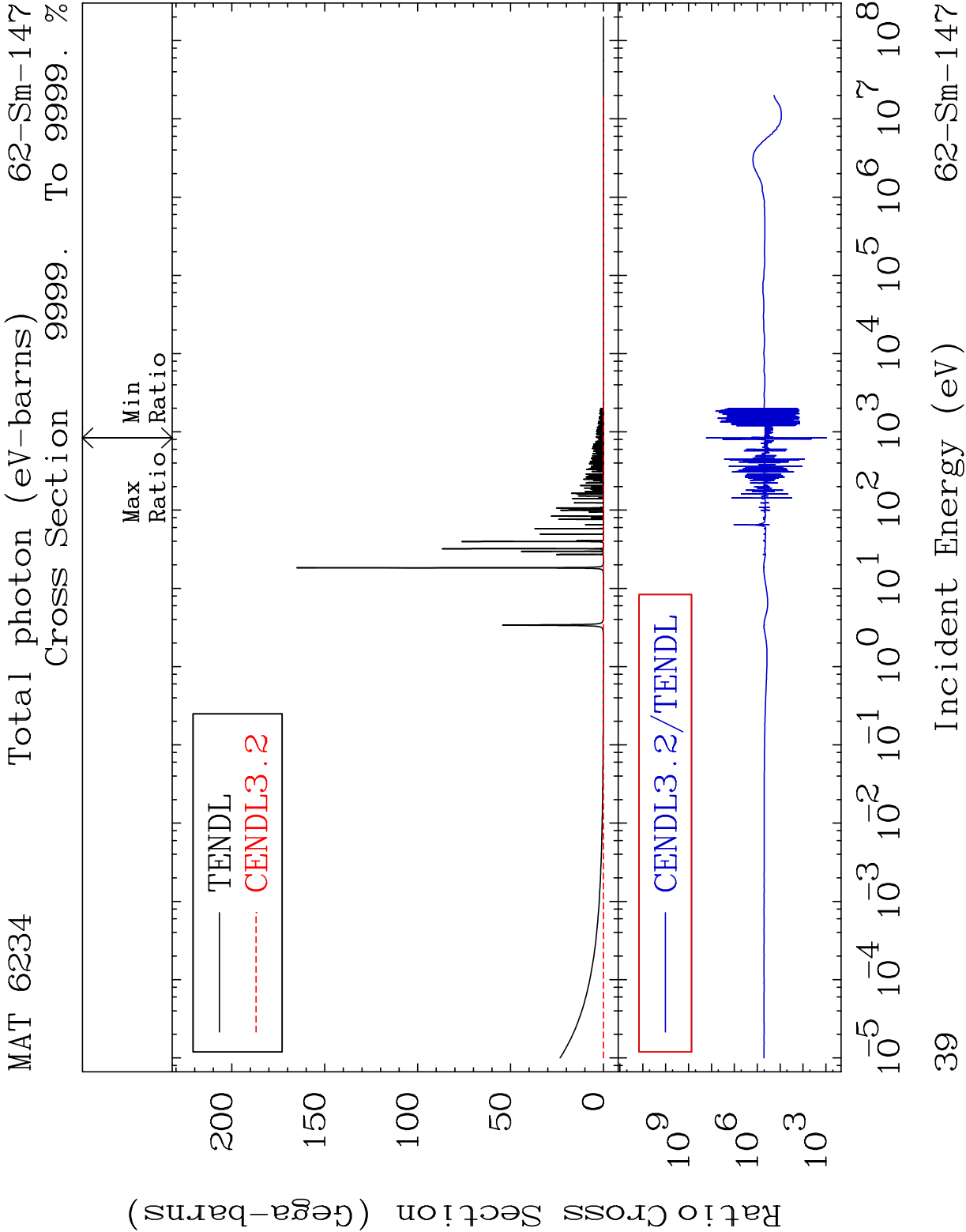


MAT 6234 Kerma fission (mt18 or mt19-20-21-38)62-Sm-147

Cross Section 424.1 To 9999. %



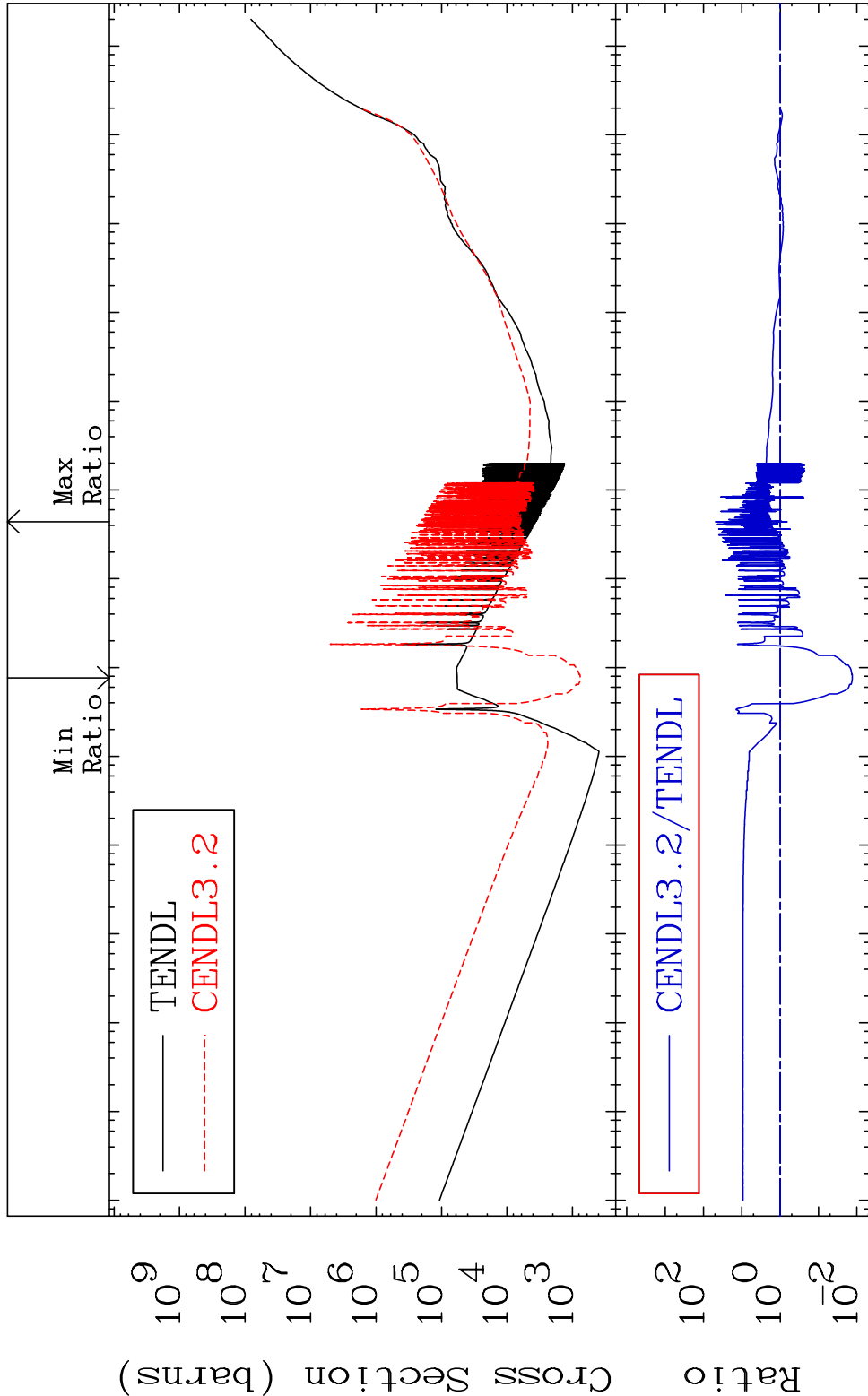






MAT 6234 Total kinematic kerma (high limit) 62-Sm-147

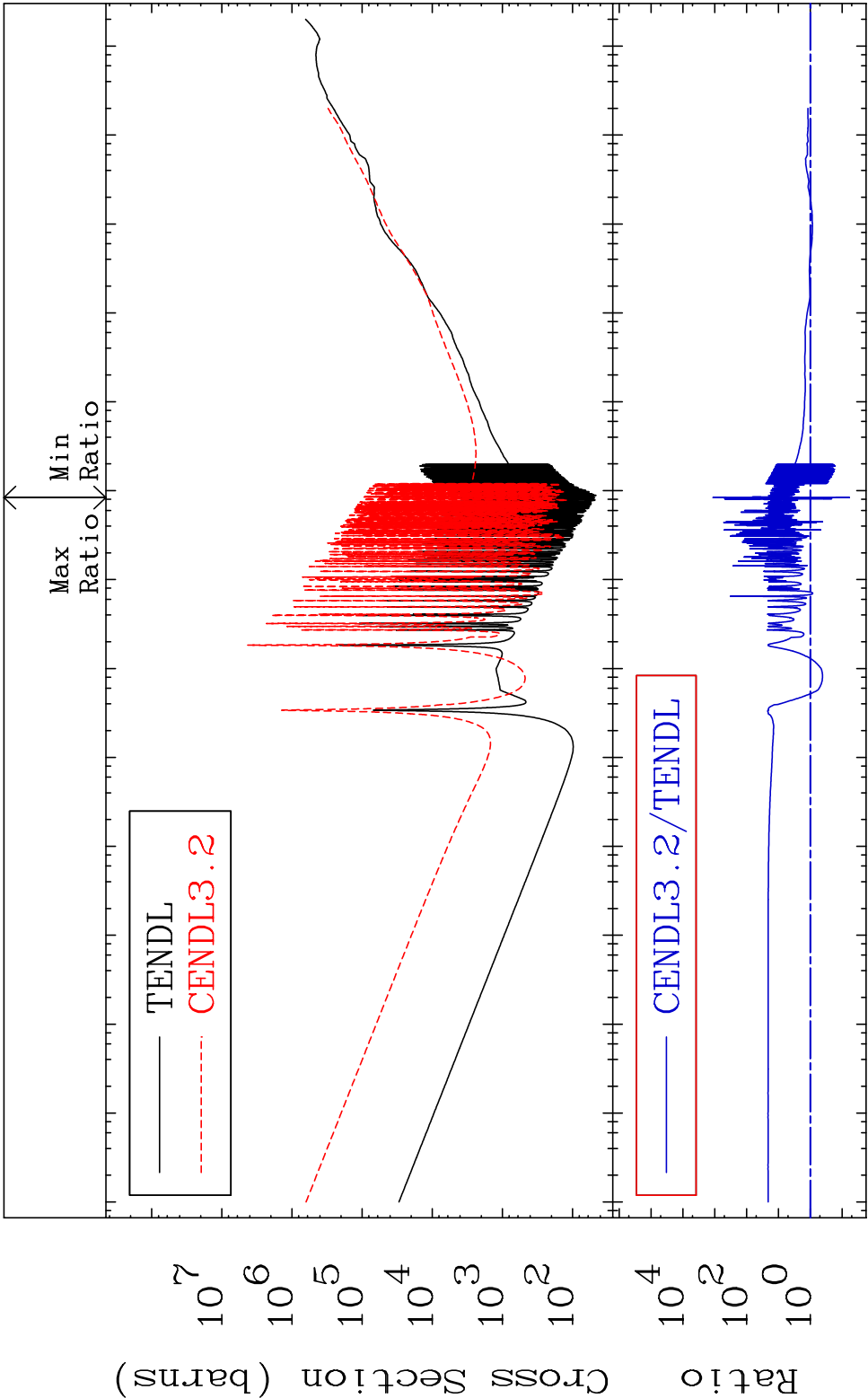
Cross Section -98.68 To 4716. %



$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

40 Incident Energy (eV) 62-Sm-147

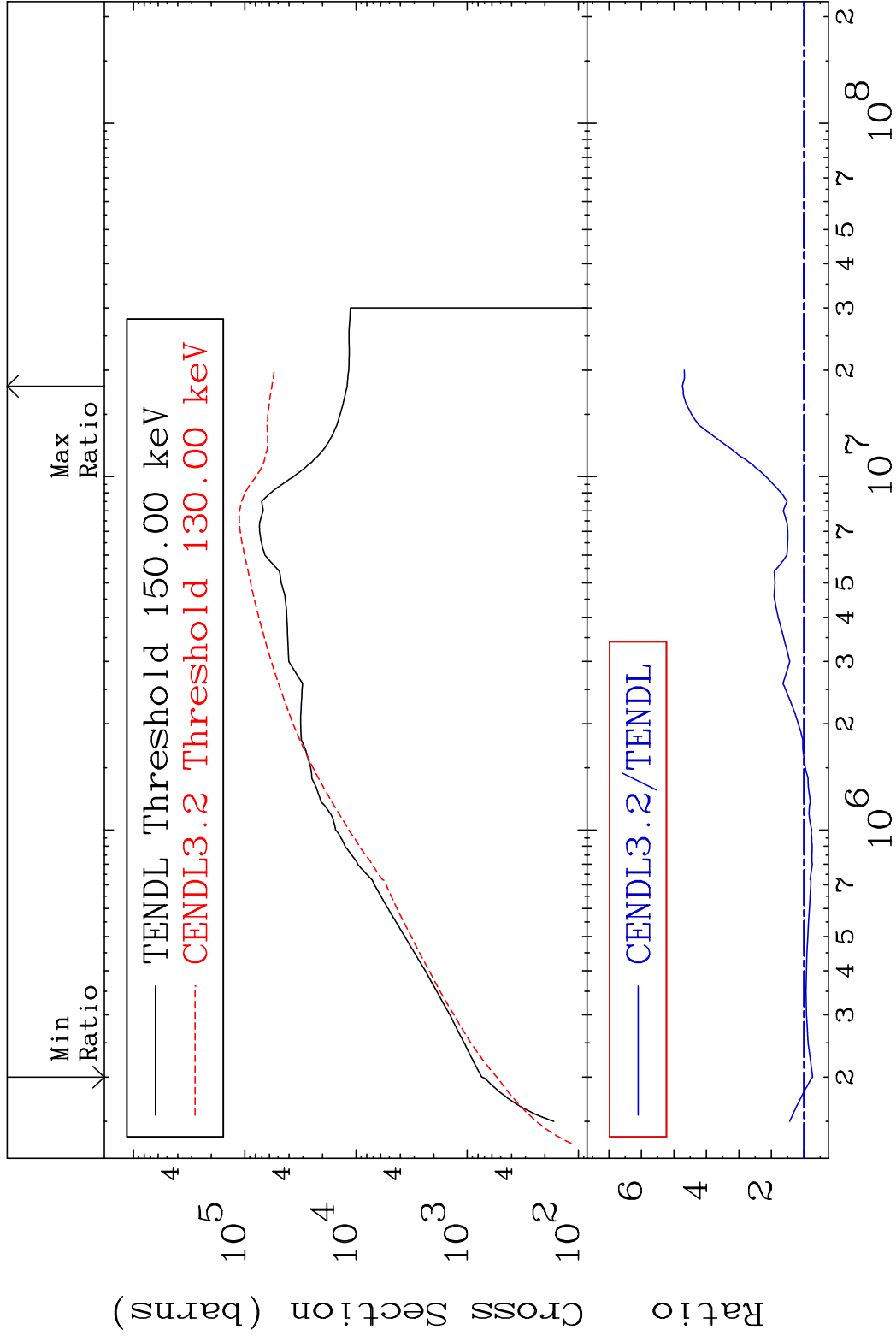
MAT 6234      Dpa total (eV-barns)      62-Sm-147  
Cross Section      -94.18 To 9999. %



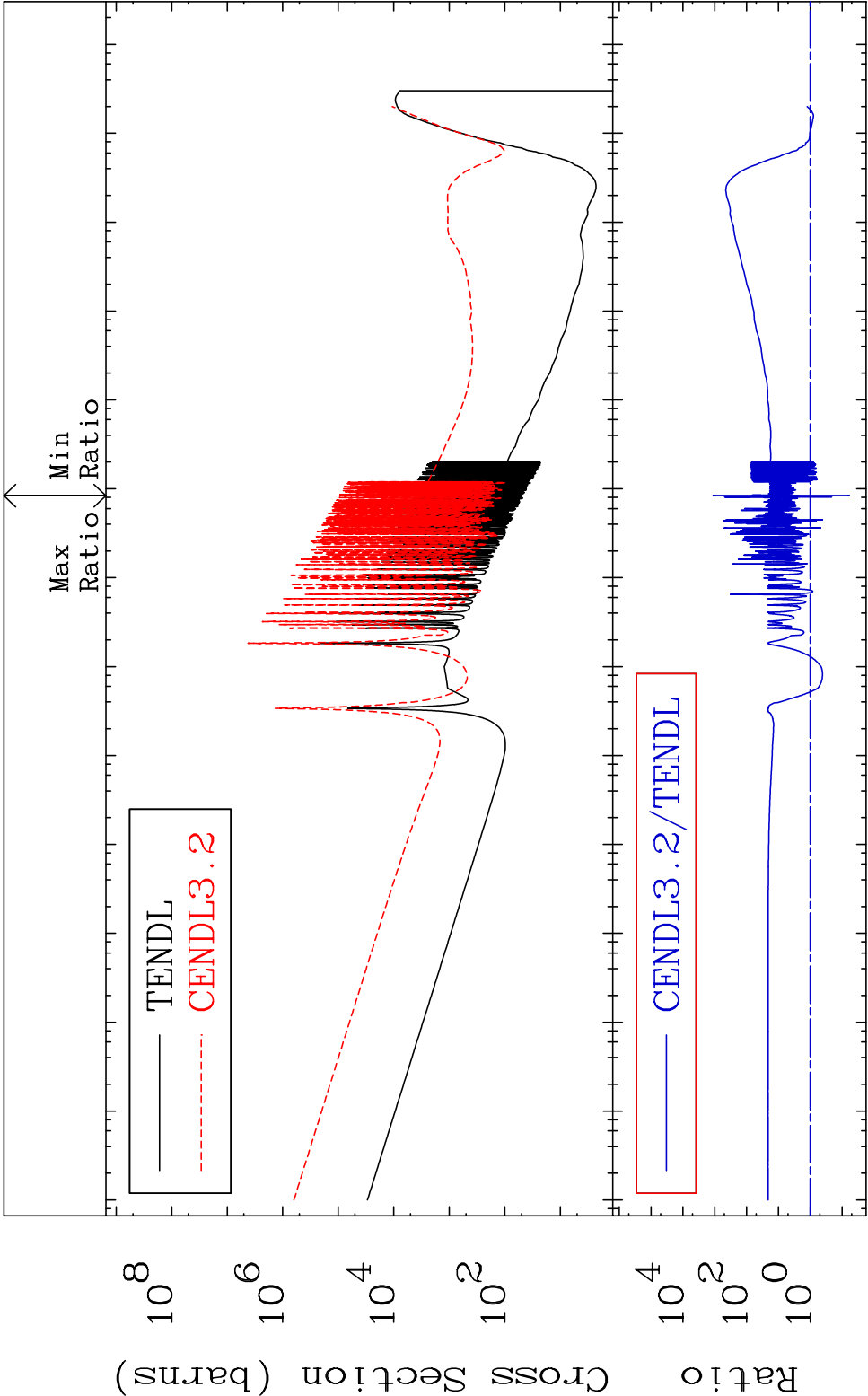
41      Incident Energy (eV)      62-Sm-147



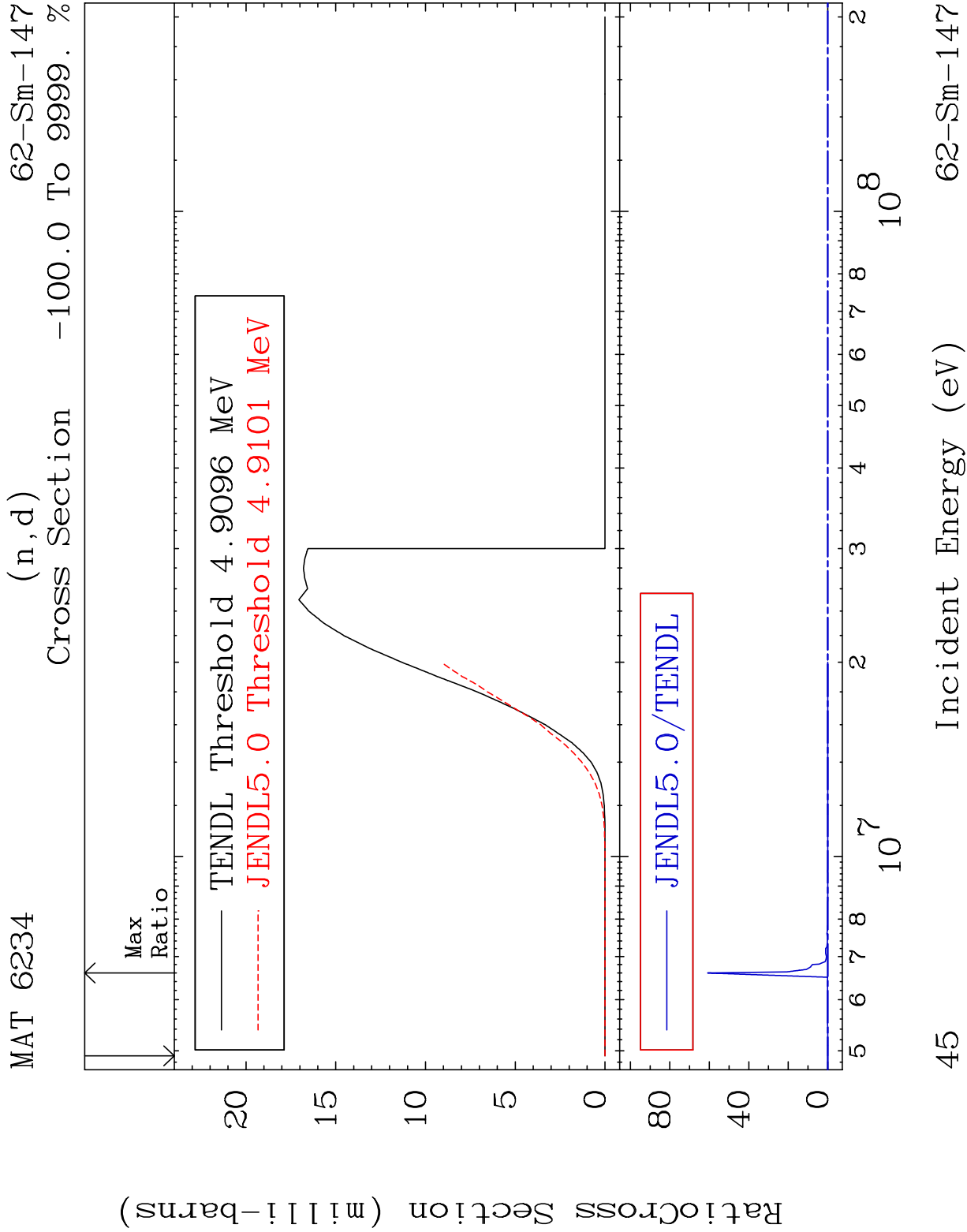
MAT 6234      Dpa inelastic (mt51-91)      62-Sm-147  
Cross Section    -26.85 To 373.8 %

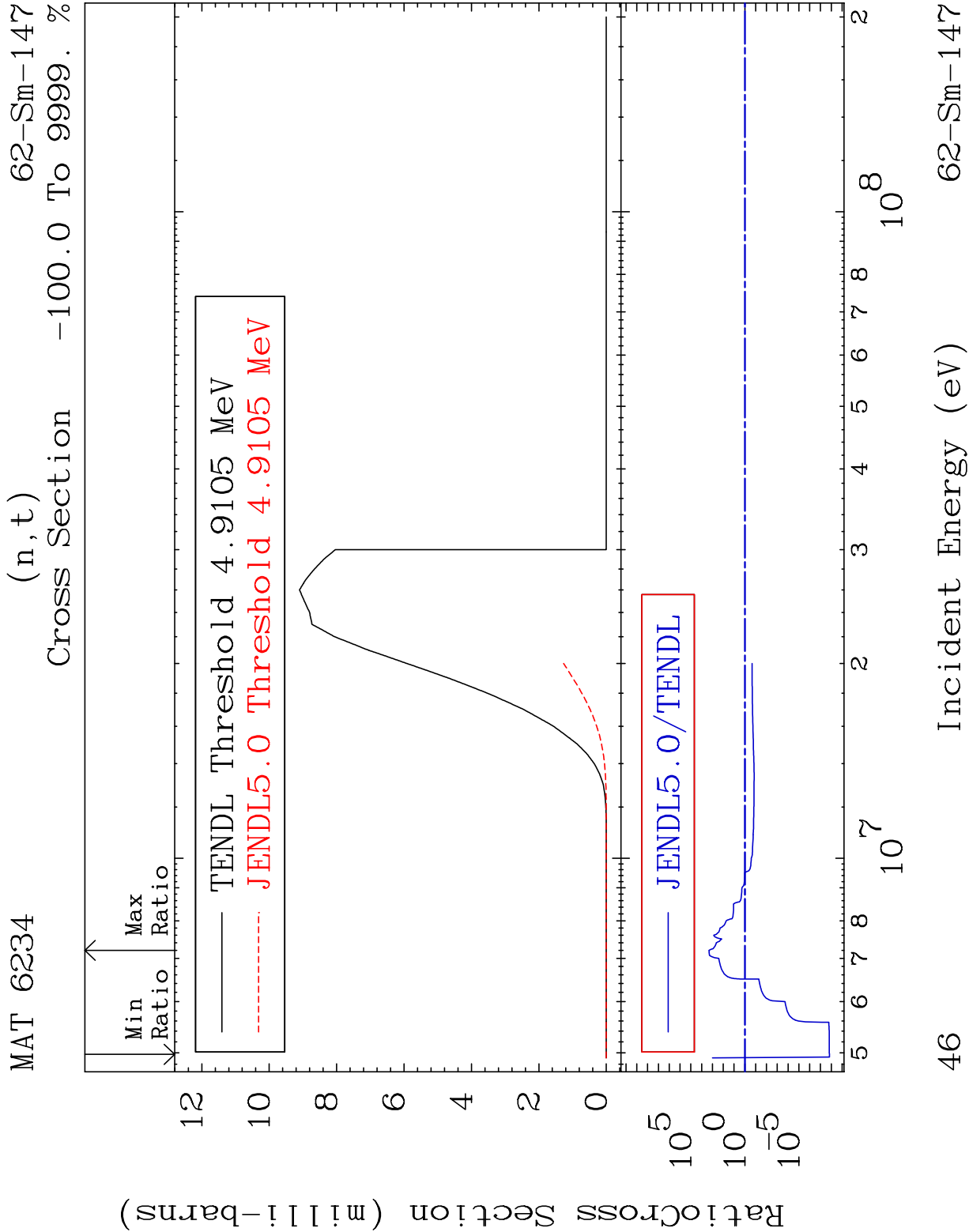


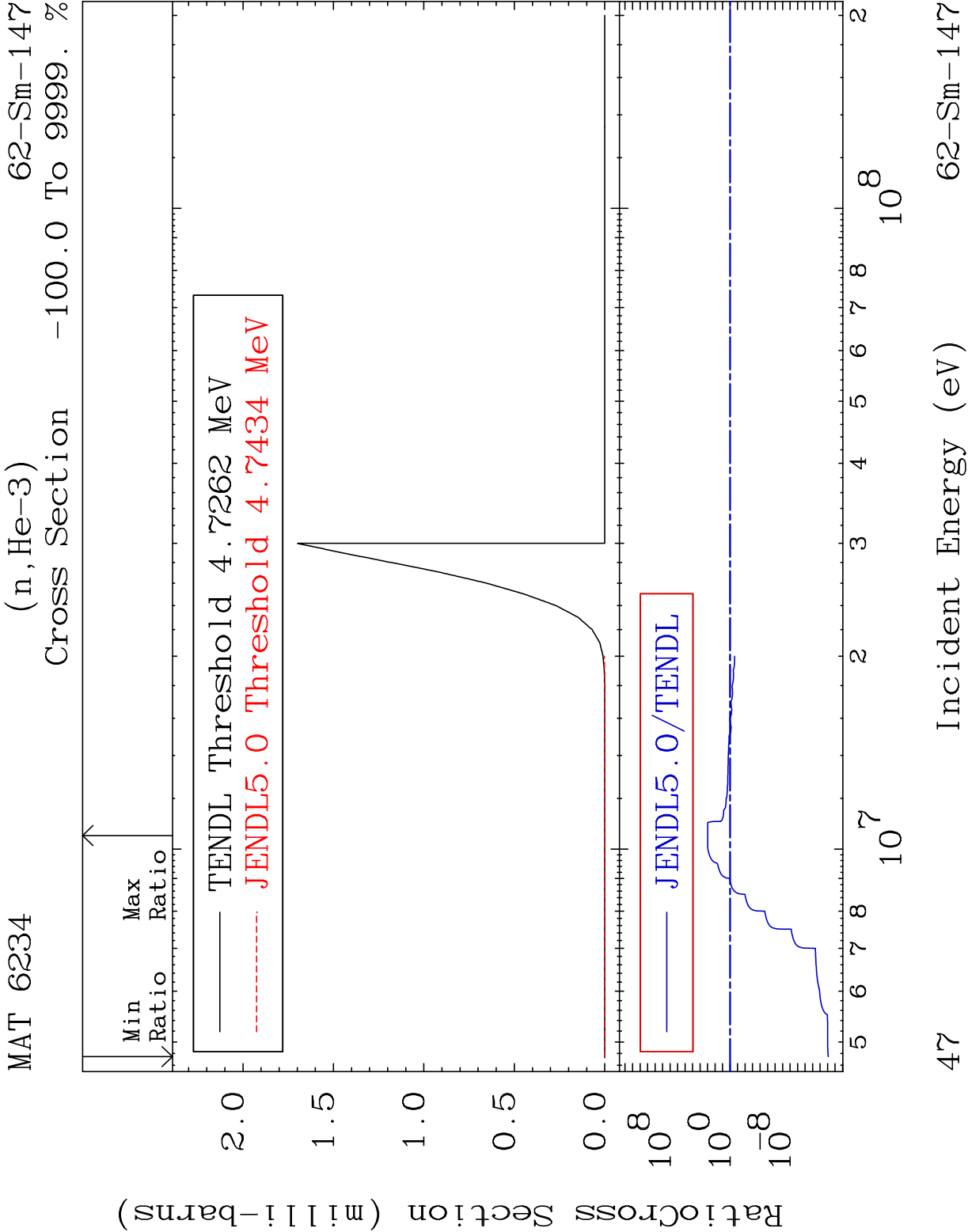
MAT 6234    Dpa disappearance (mt102 -120)    62-Sm-147  
Cross Section    -94.18 To 9999. %



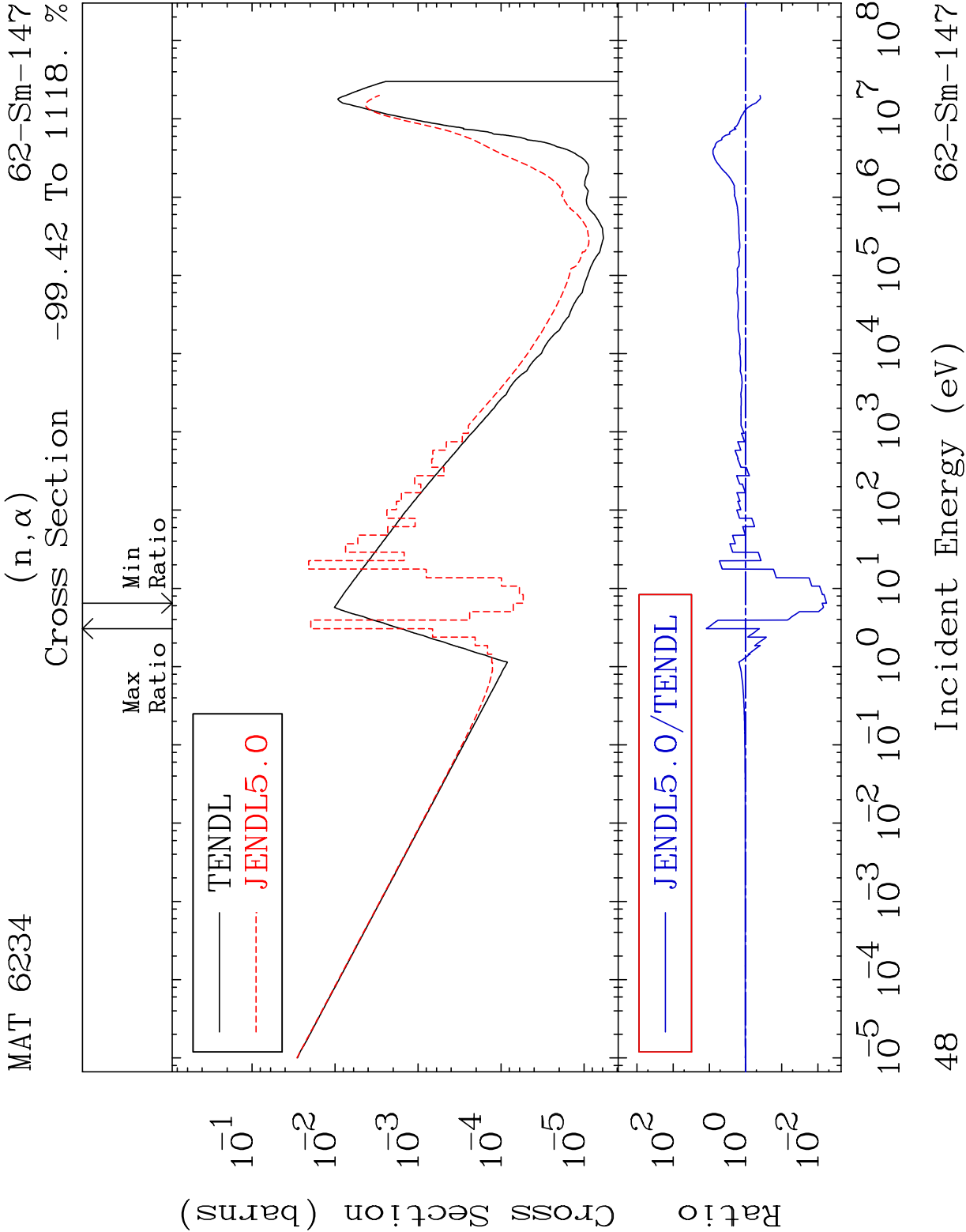
44    Incident Energy (eV)    62-Sm-147

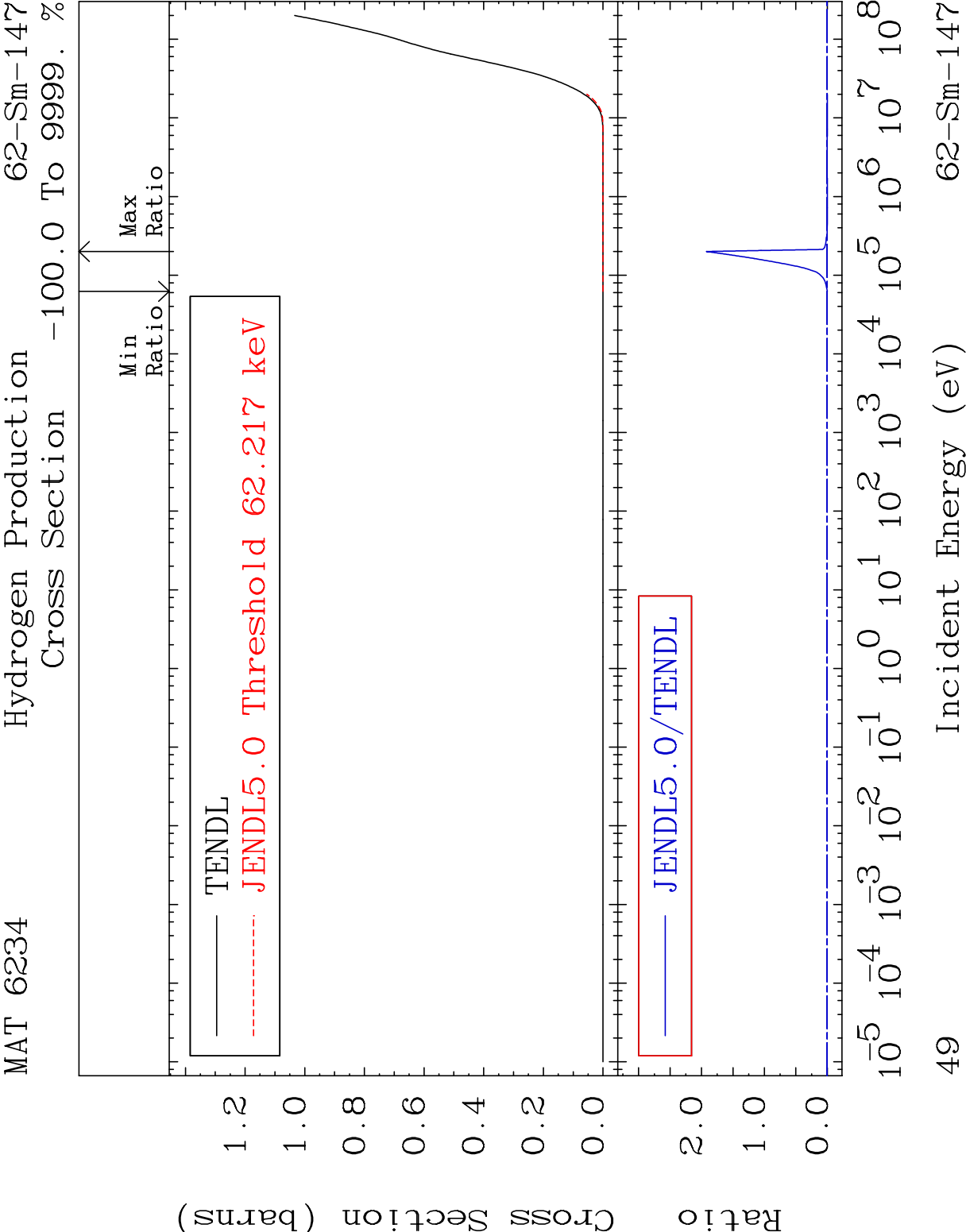


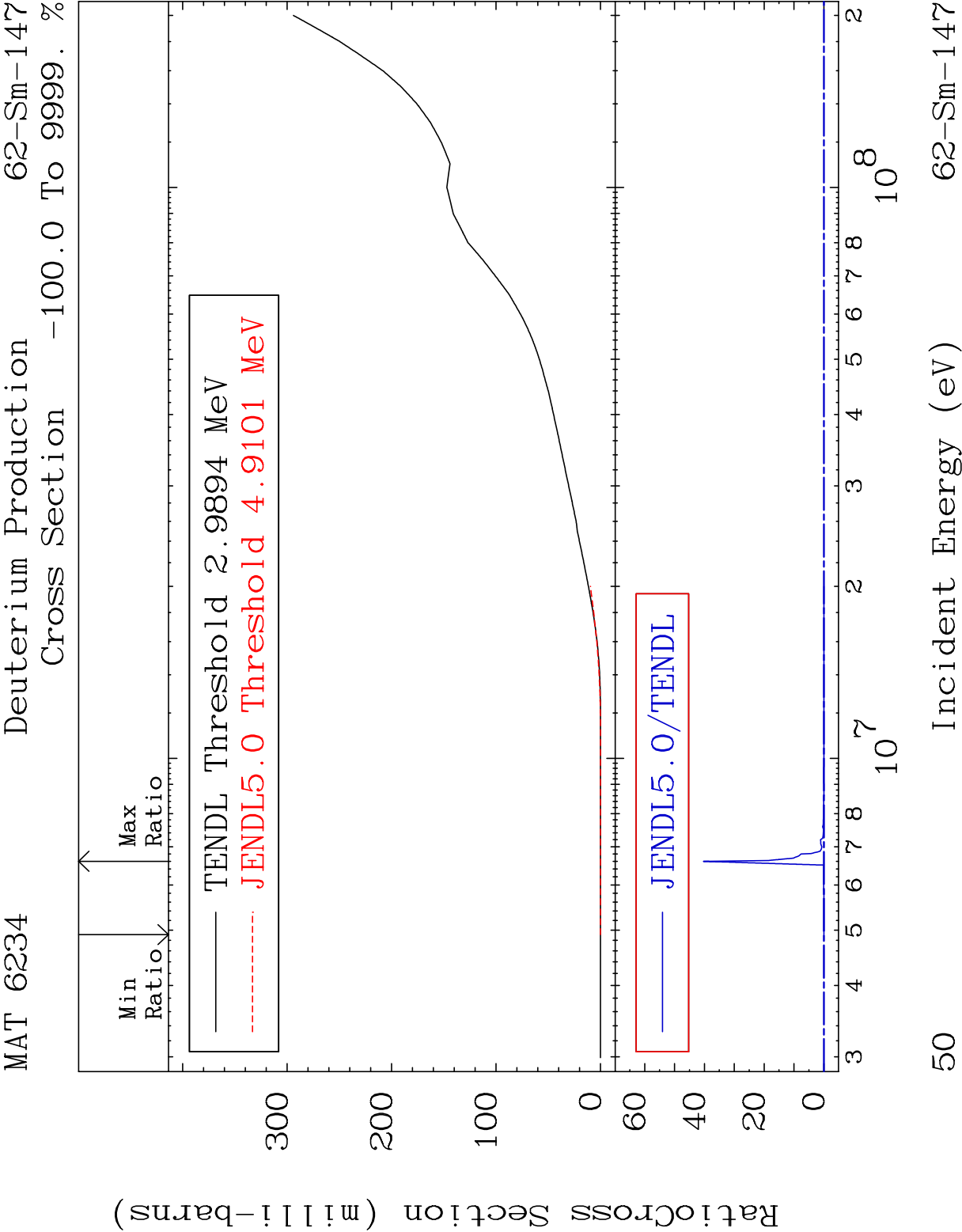


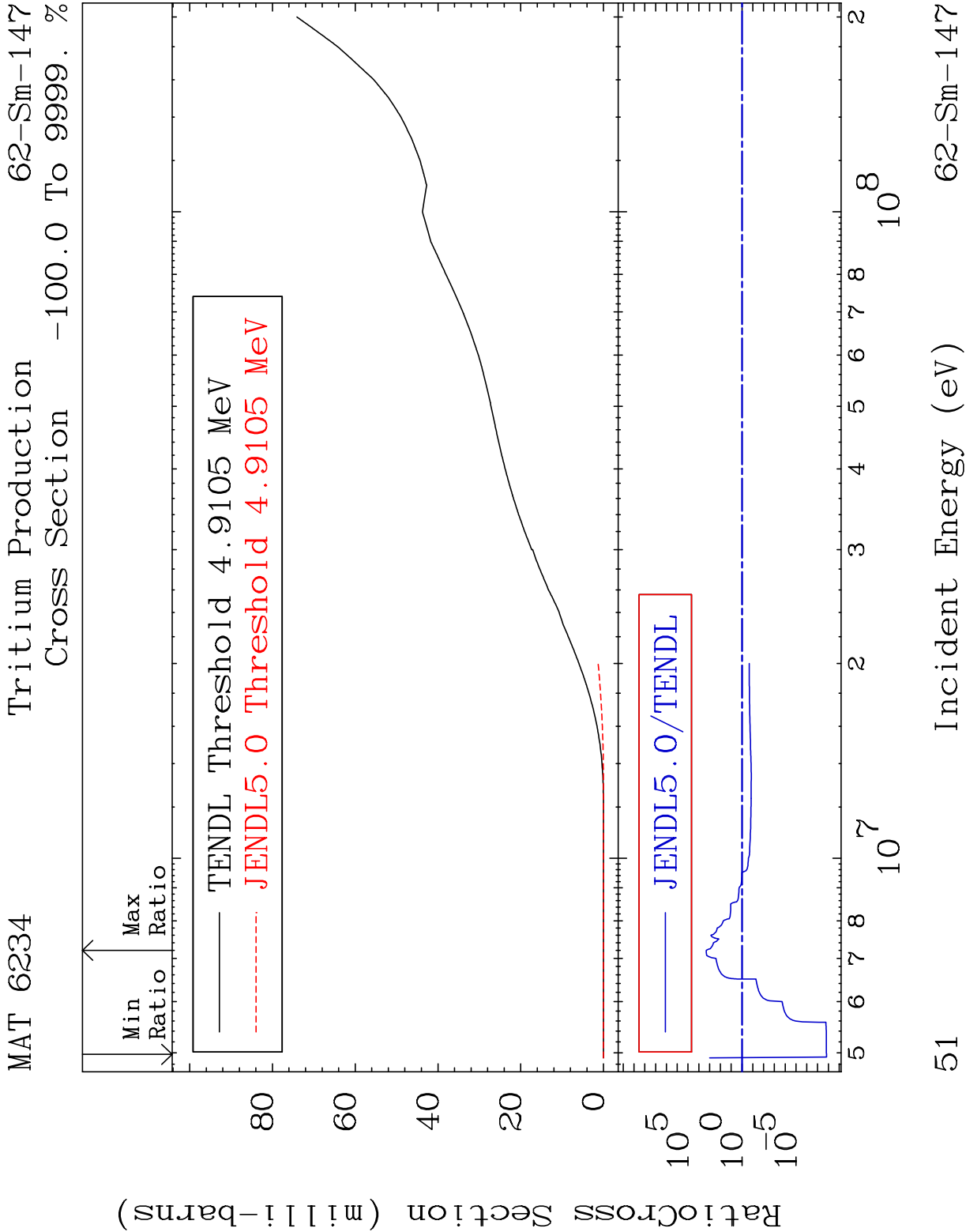




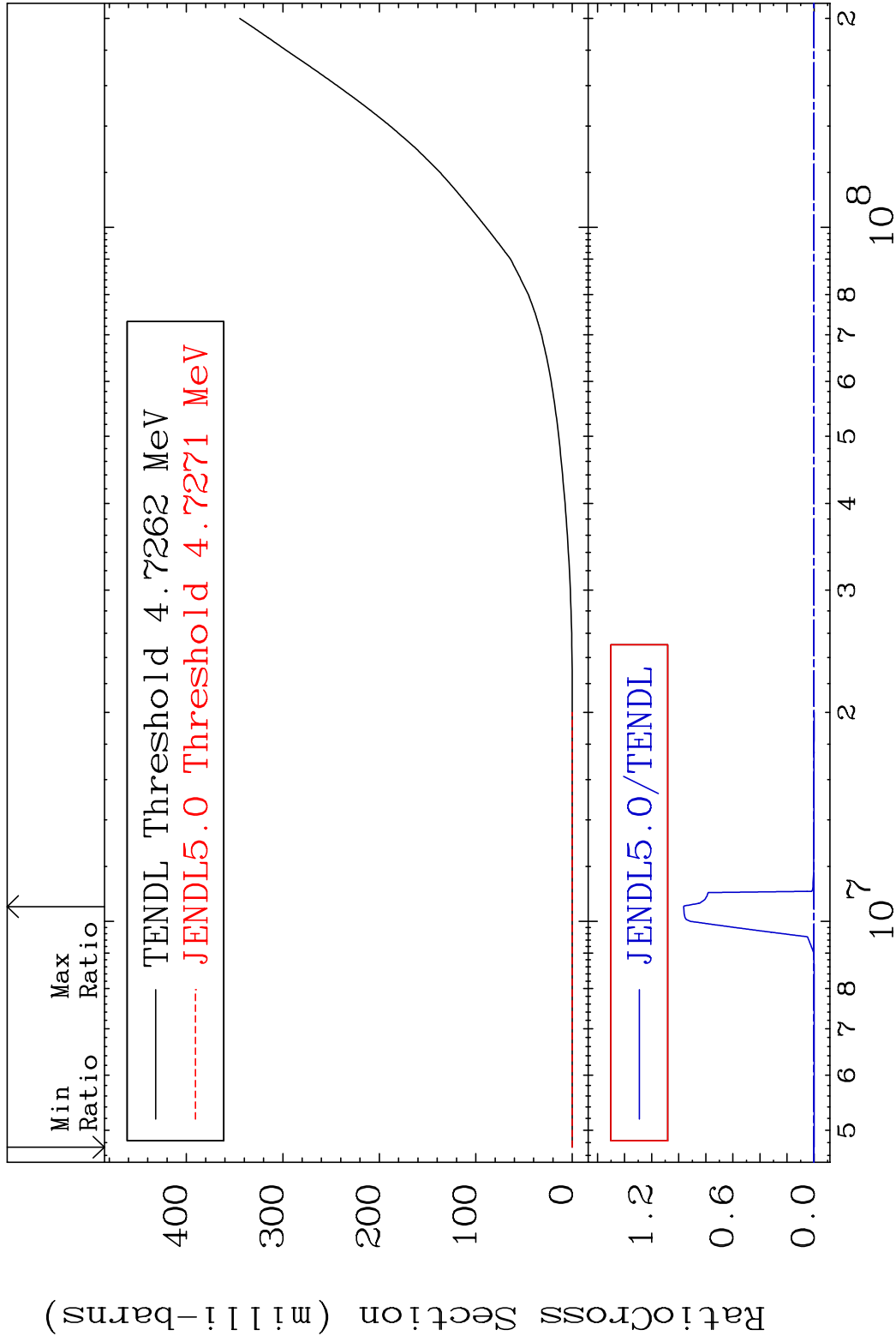


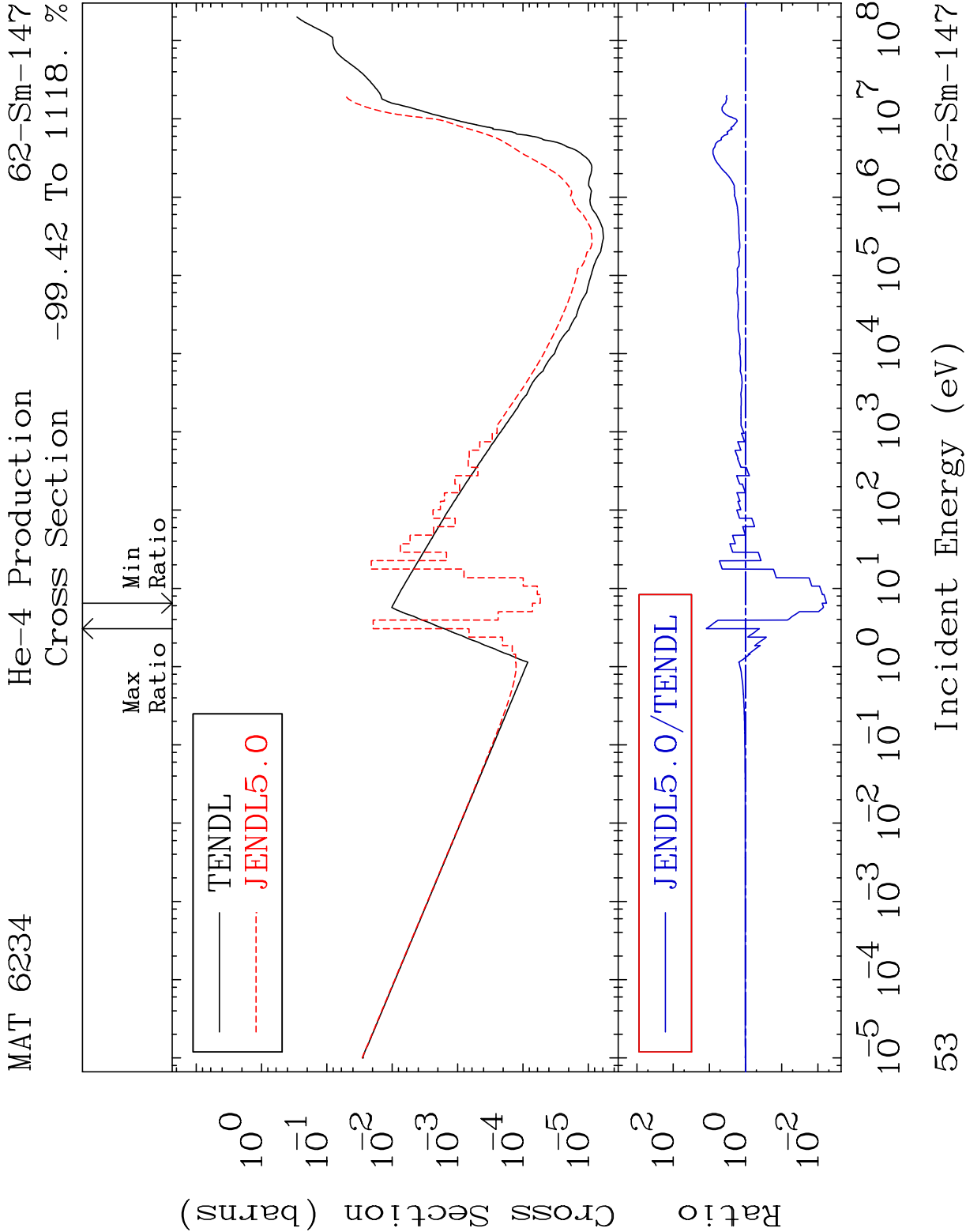




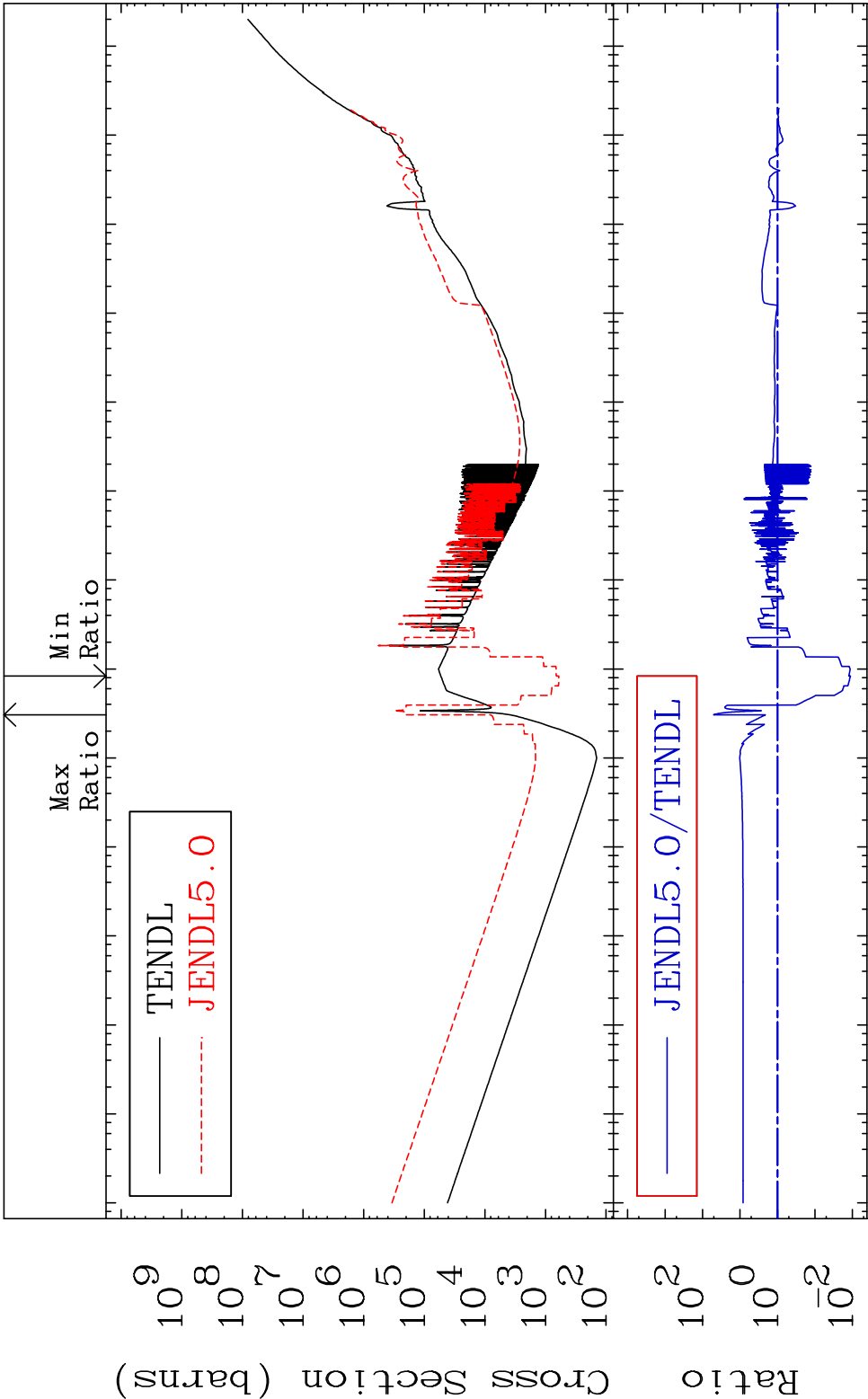


Cross Section      -100.0 To 9999. %

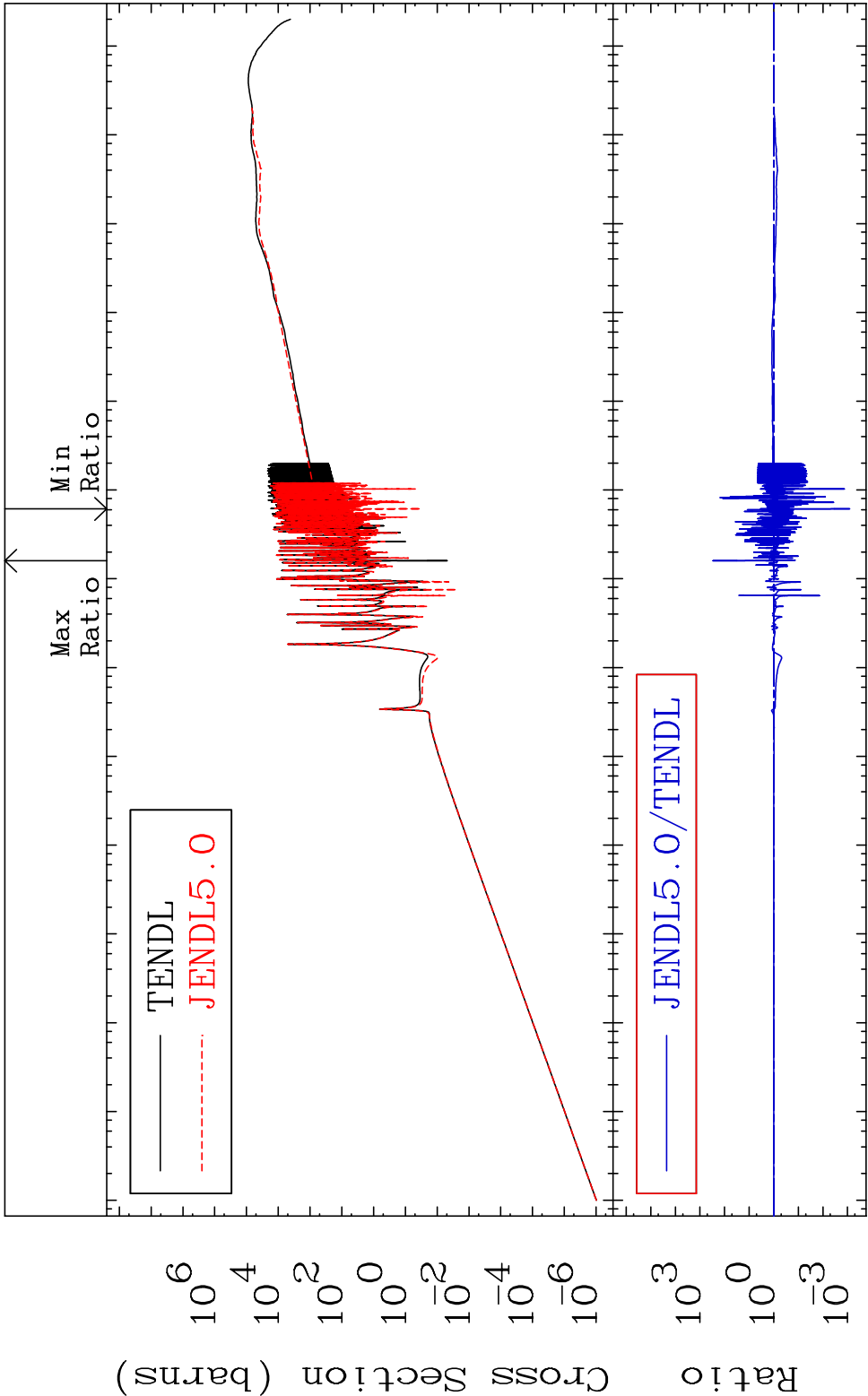




MAT 6234      Kerma total (eV-barns)      62-Sm-147  
Cross Section    -98.87 To 4986. %

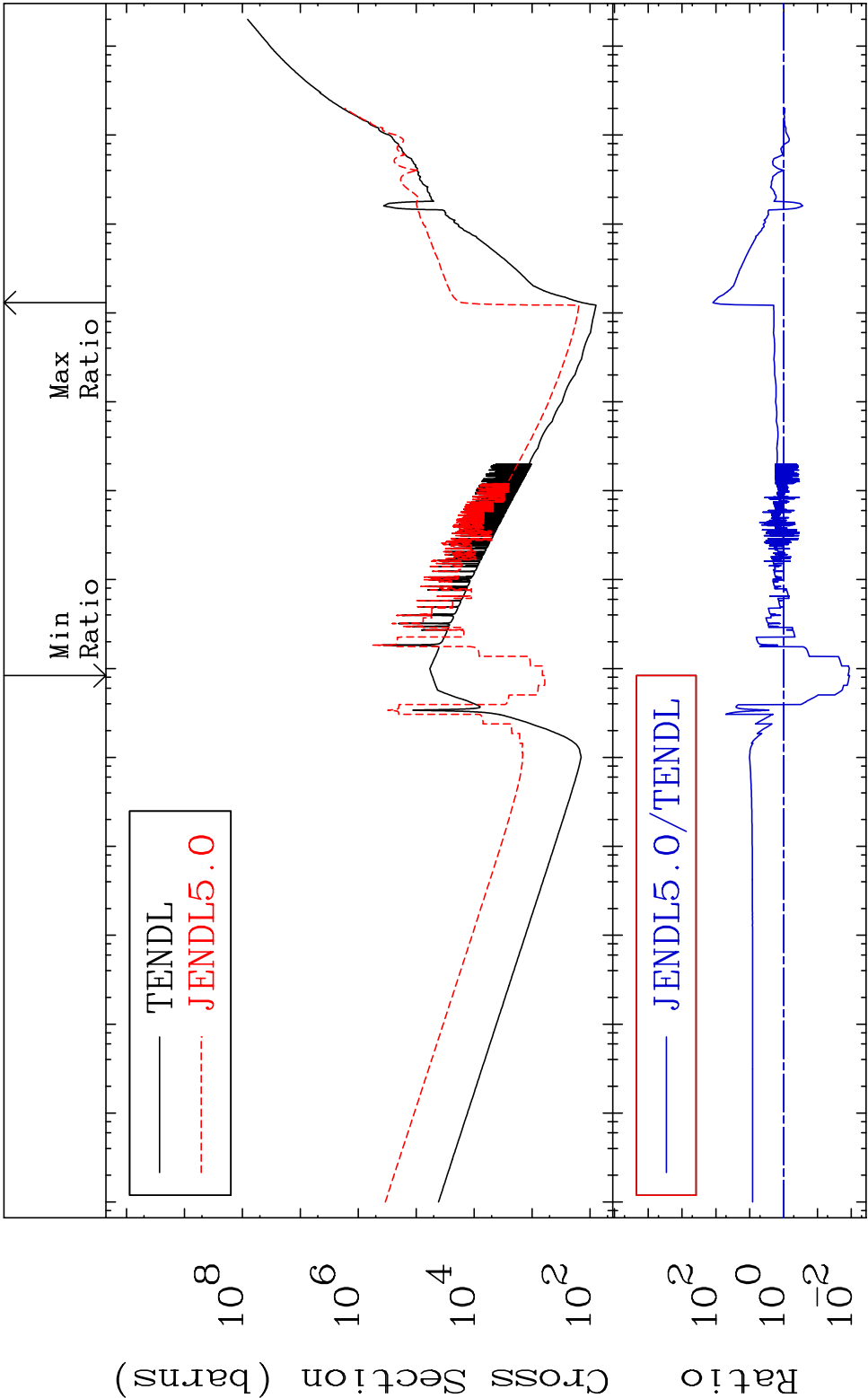


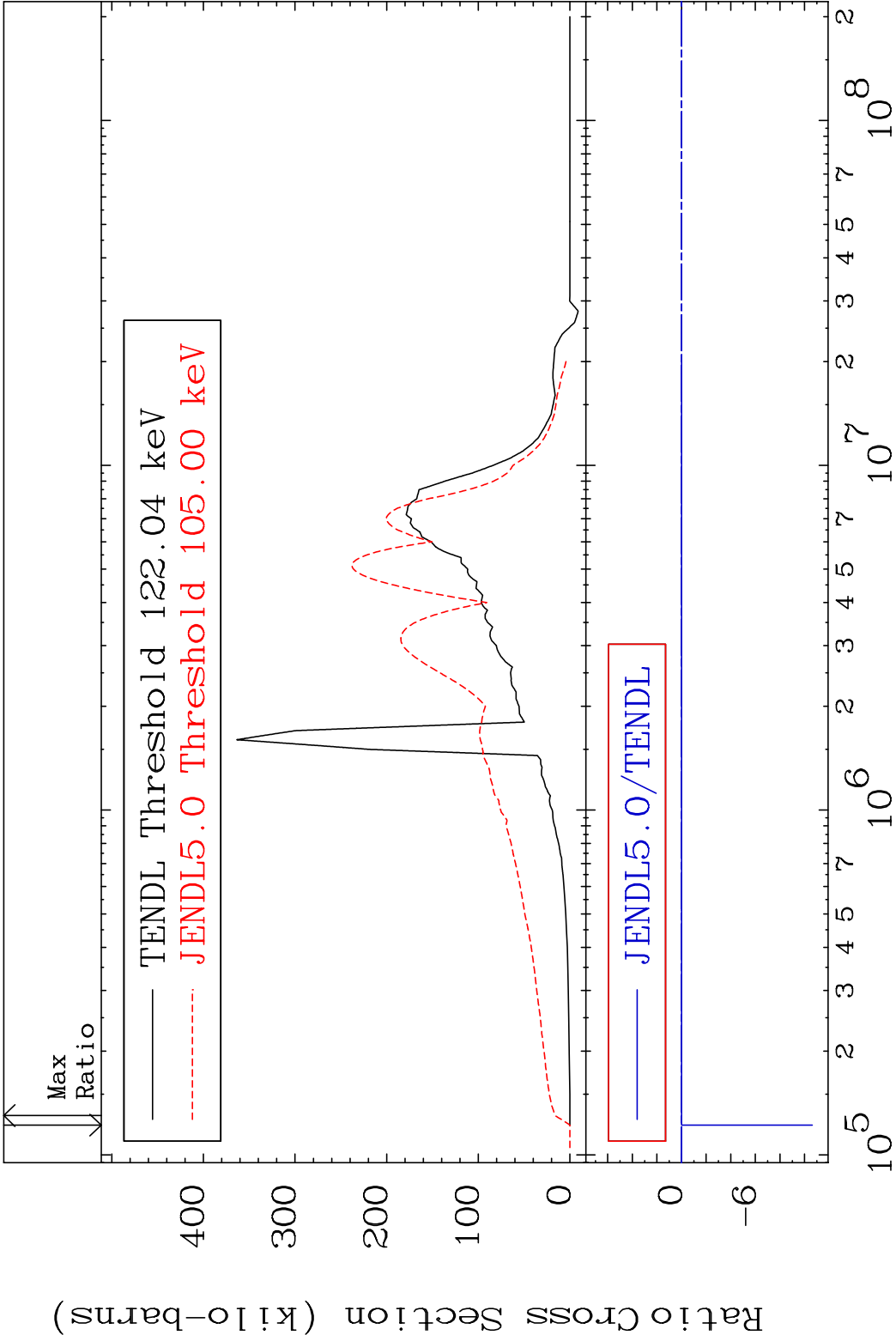
54      Incident Energy (eV)      62-Sm-147



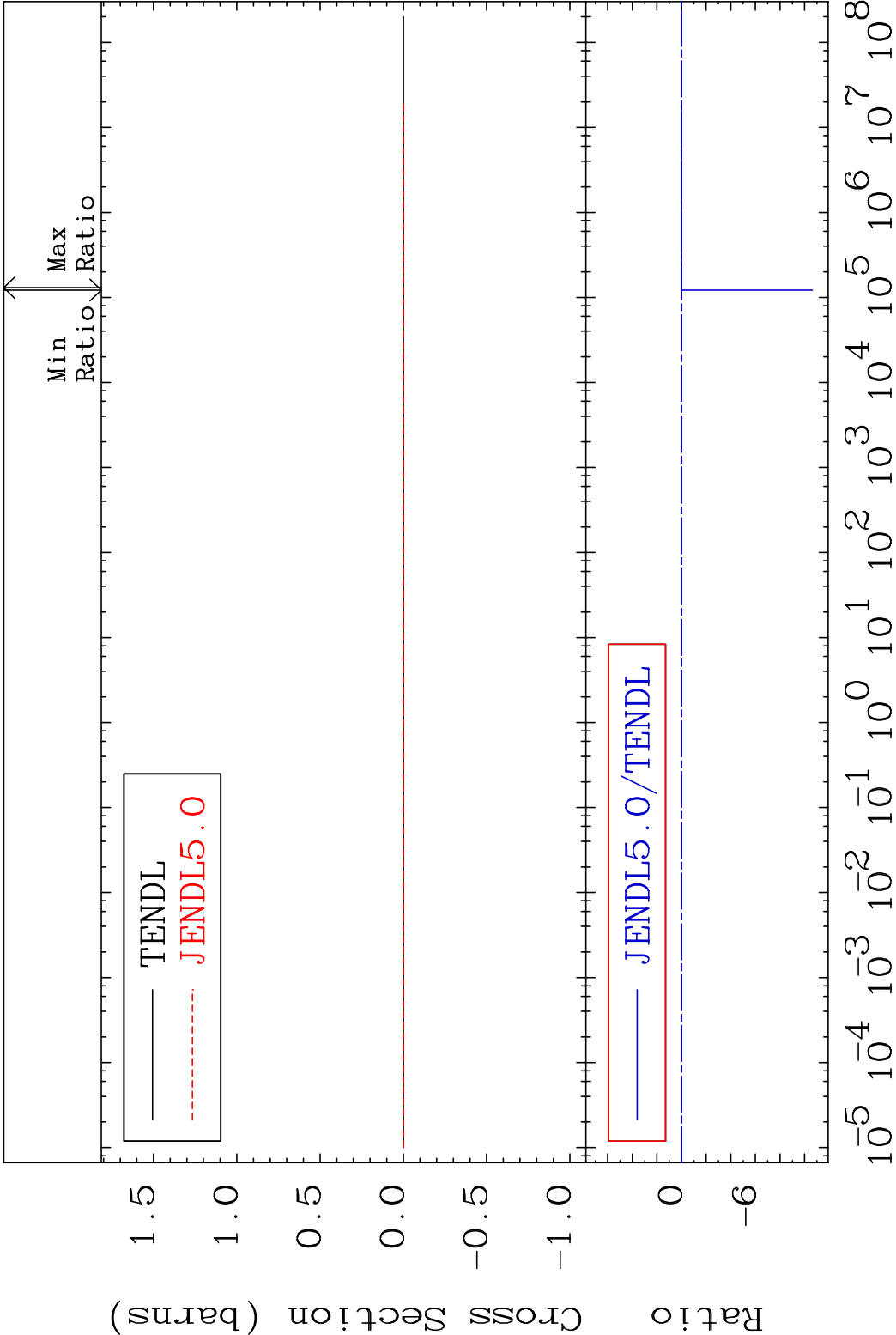


MAT 6234    Kerma non-elastic (all but mt2)    62-Sm-147  
 Cross Section    -98.87 To 9999. %





MAT 6234 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-147  
Cross Section -9999. To 9999. %

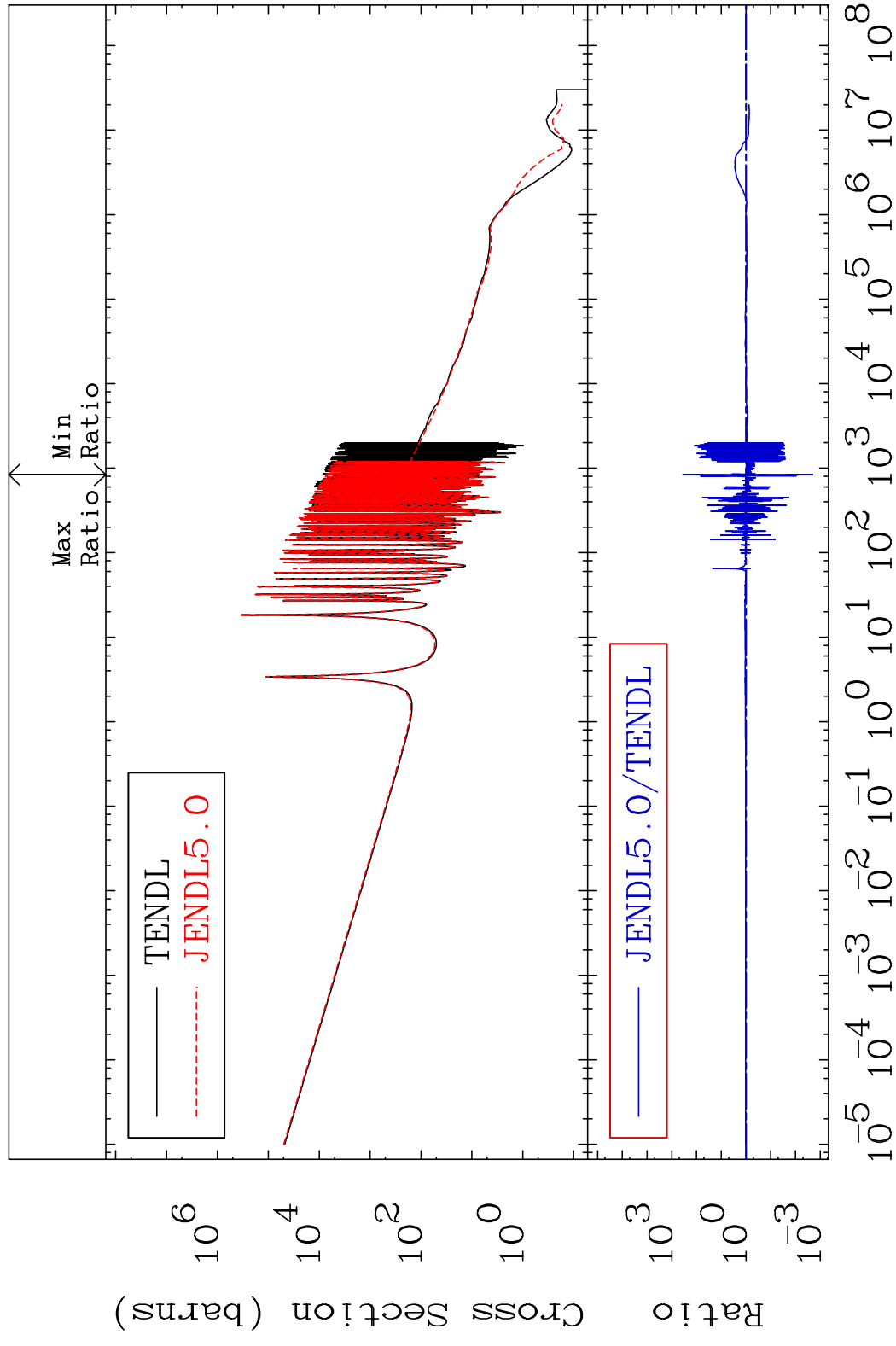


MAT 6234

Kerma capture (mt102)

62-Sm-147

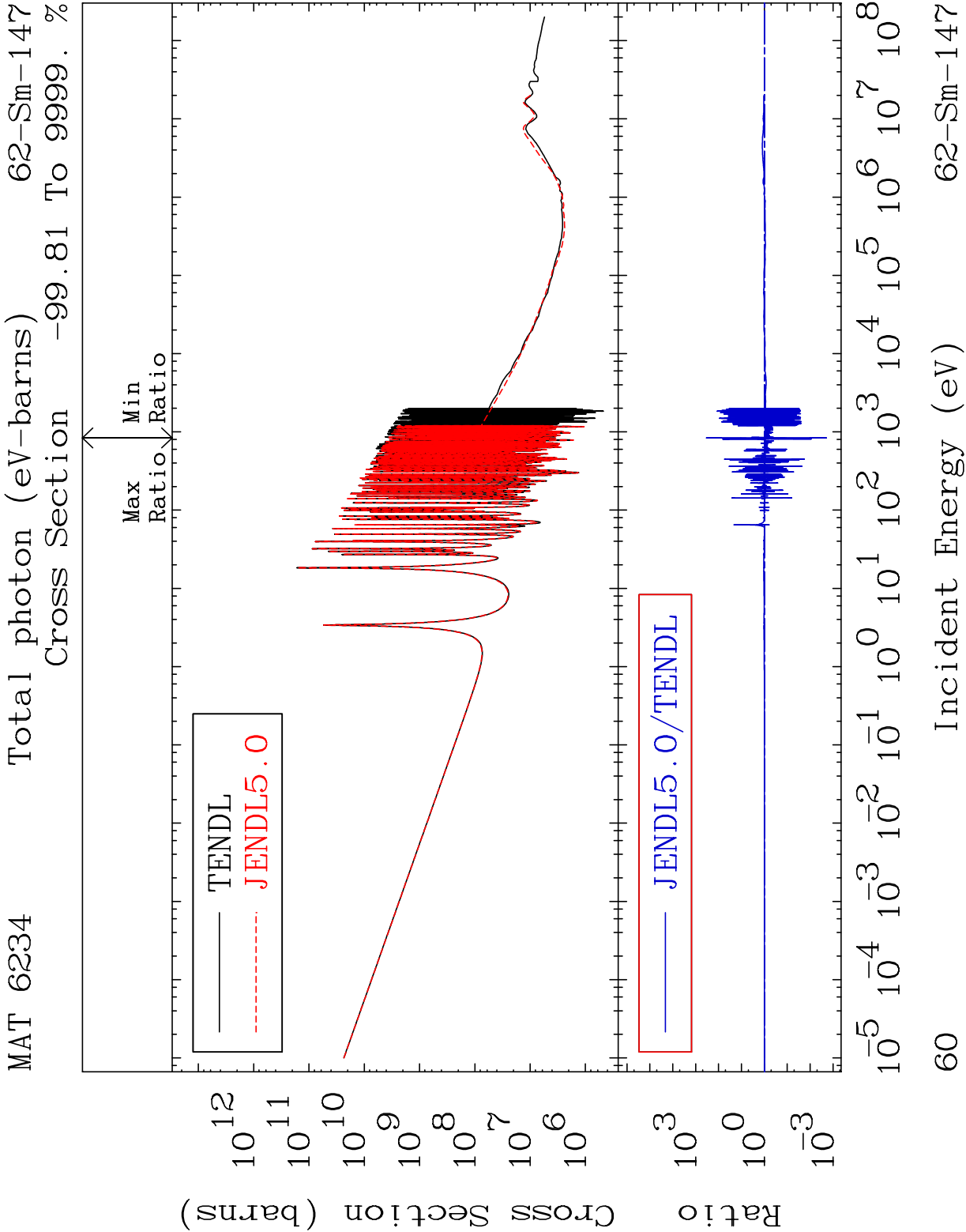
Cross Section -99.80 To 9999. %



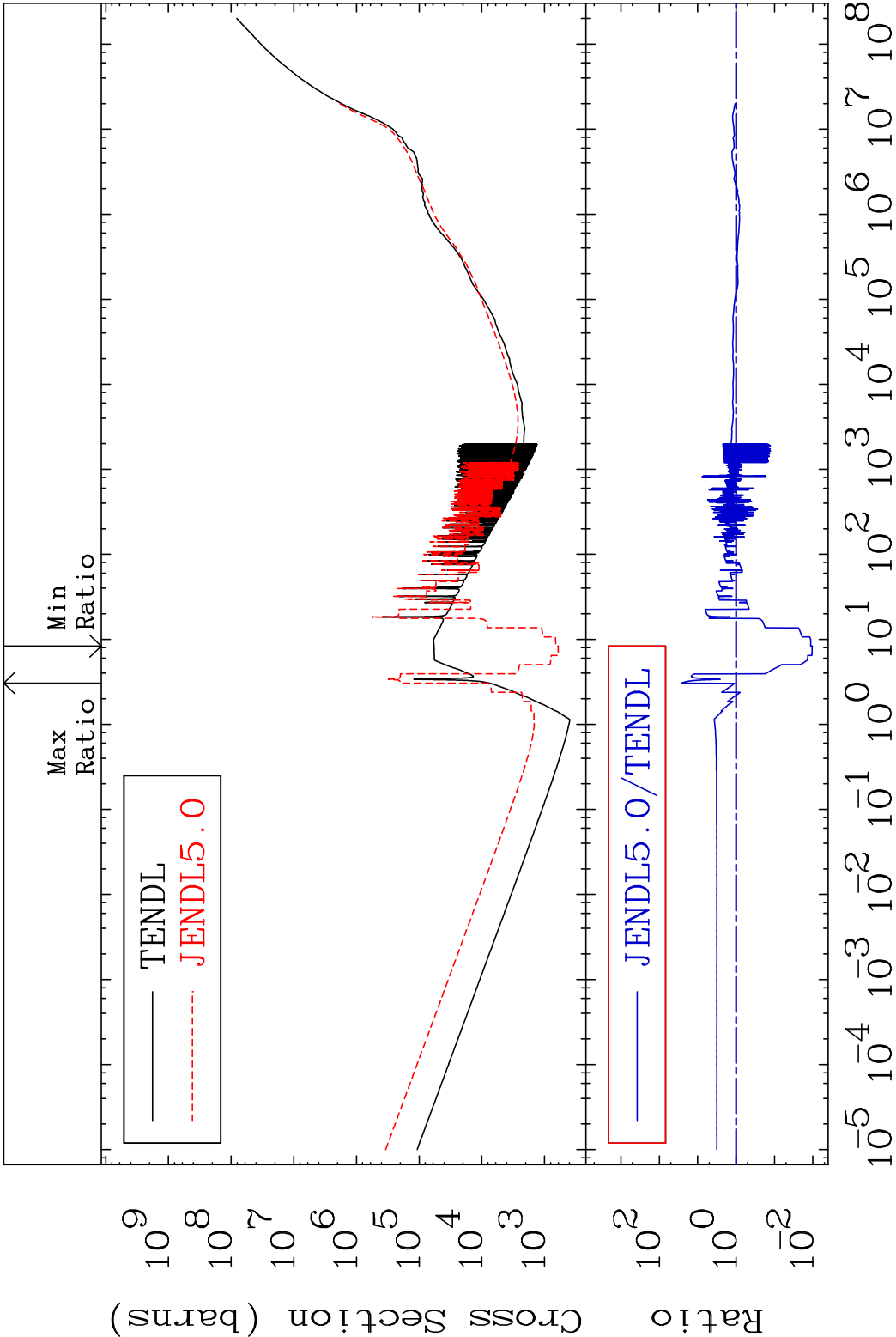
59

Incident Energy (eV)

62-Sm-147

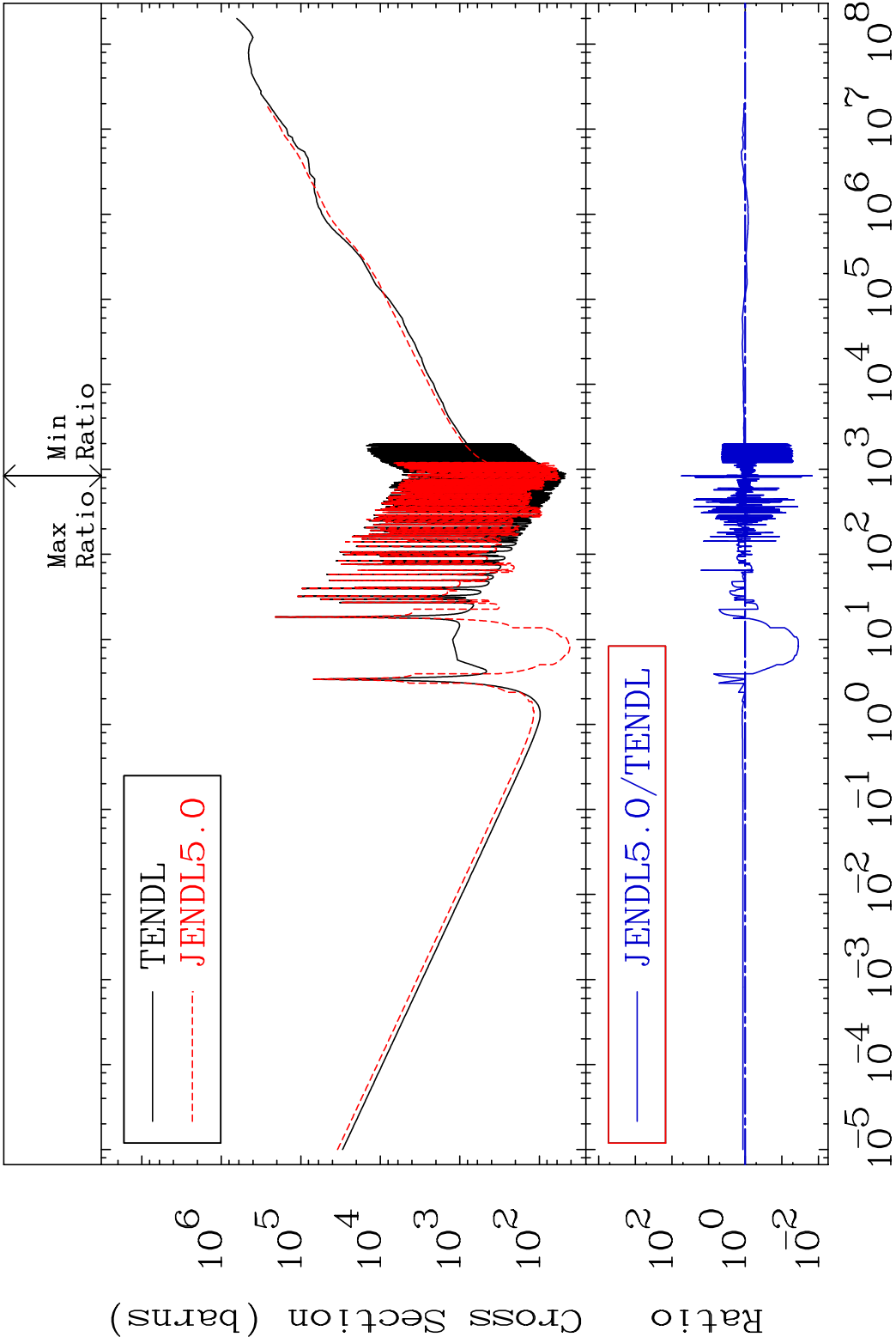


MAT 6234 Total kinematic kerma (high limit) 62-Sm-147  
Cross Section -98.96 To 2529. %



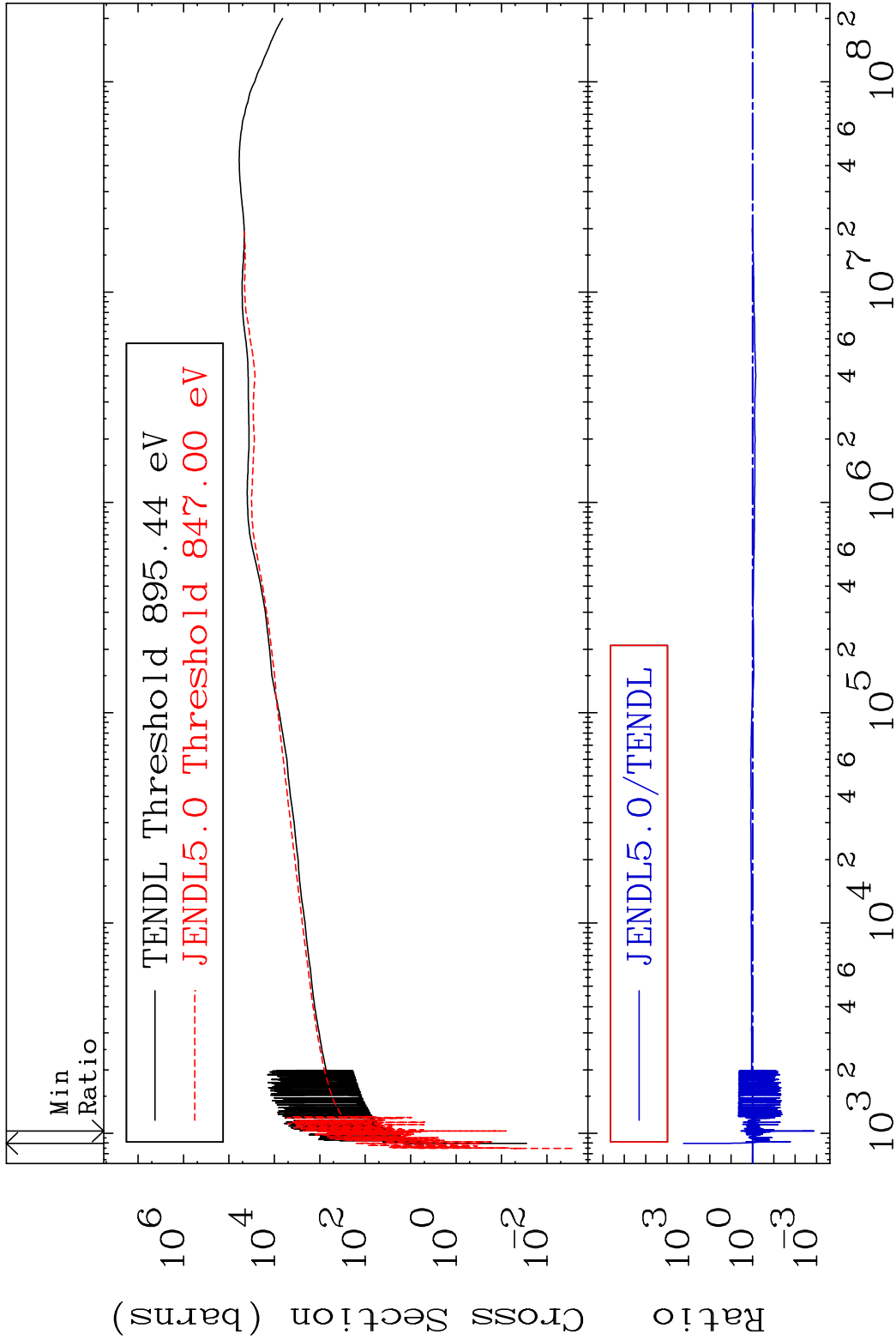
61 Incident Energy (eV) 62-Sm-147

MAT 6234      Dpa total (eV-barns)      62-Sm-147  
Cross Section      -98.52 To 5386. %



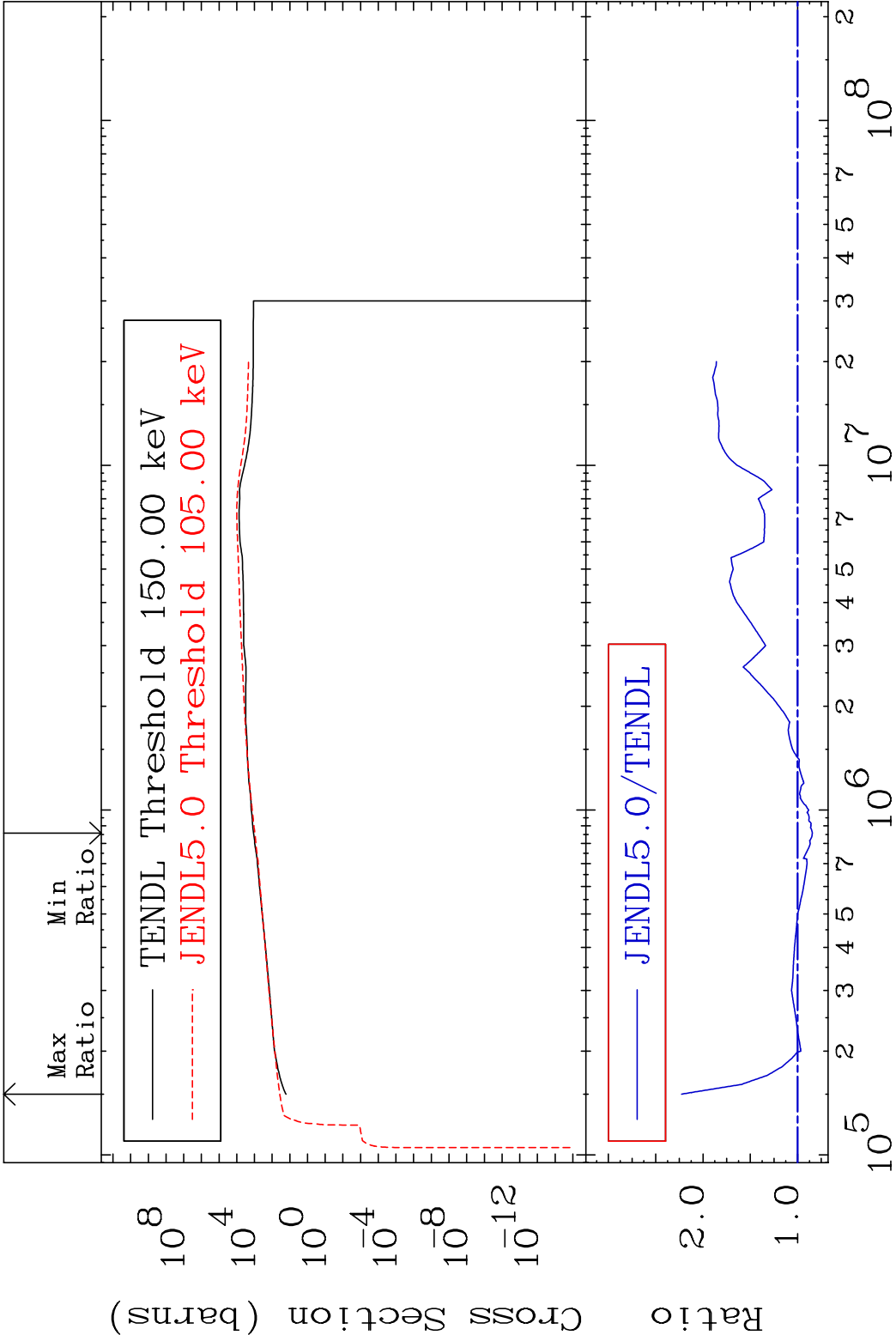
62      Incident Energy (eV)      62-Sm-147

|          |                   |                   |
|----------|-------------------|-------------------|
| MAT 6234 | Dpa elastic (mt2) | 62-Sm-147         |
|          | Cross Section     | -99.87 To 9999. % |

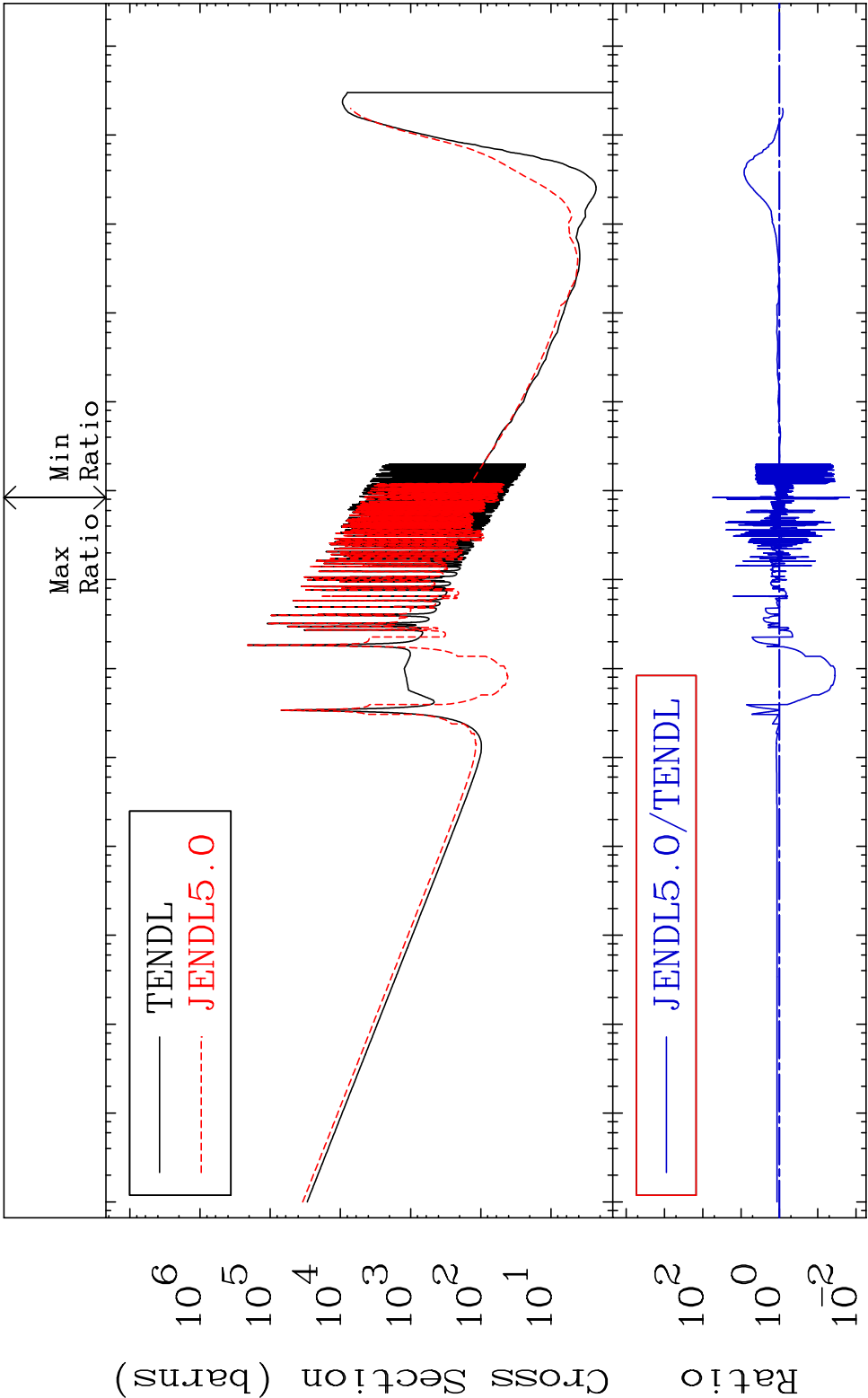


|    |                      |           |
|----|----------------------|-----------|
| 63 | Incident Energy (eV) | 62-Sm-147 |
|----|----------------------|-----------|





MAT 6234    Dpa disappearance (mt102 -120)    62-Sm-147  
Cross Section    -98.52 To 5386. %



65    Incident Energy (eV)    62-Sm-147

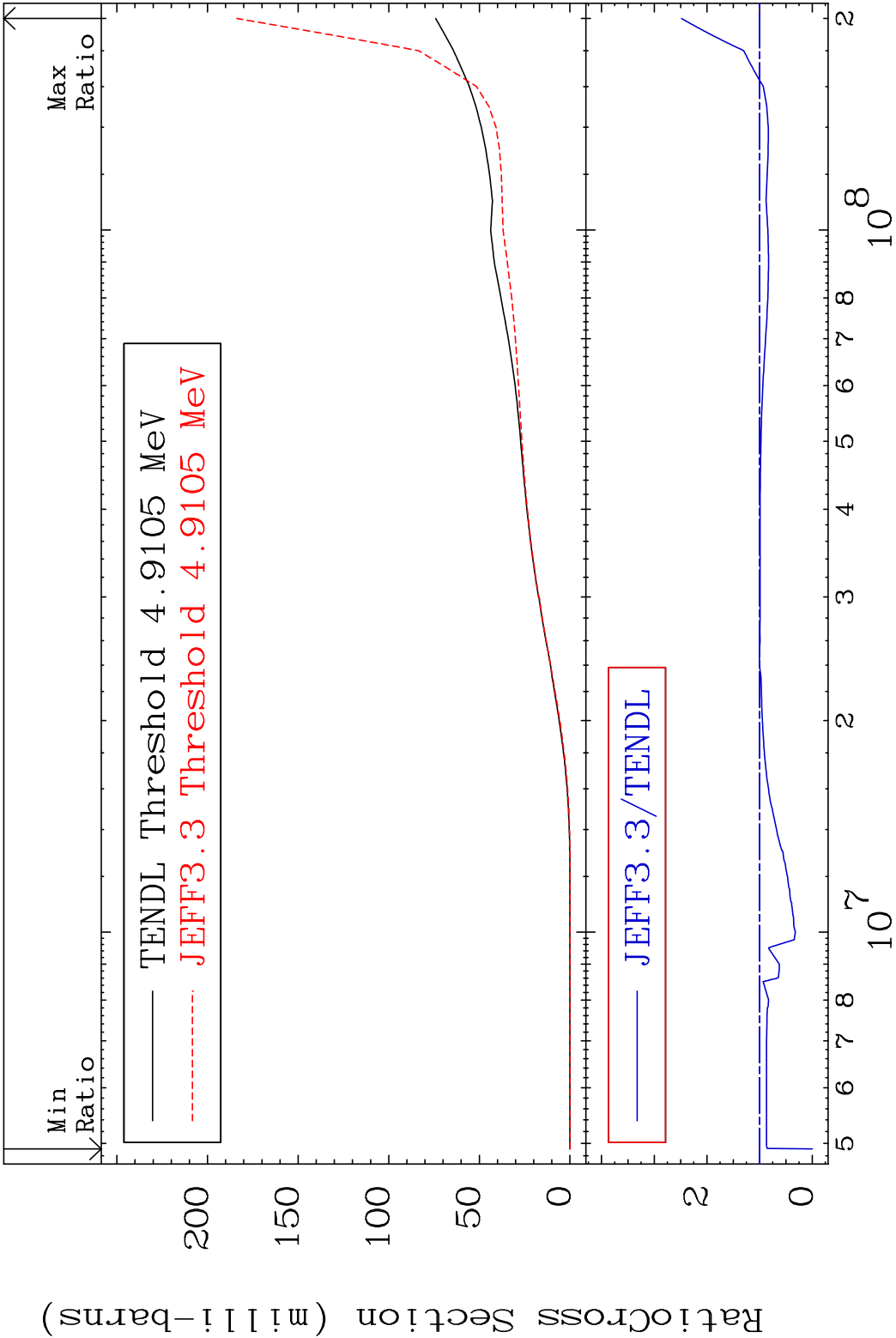
MAT 6234

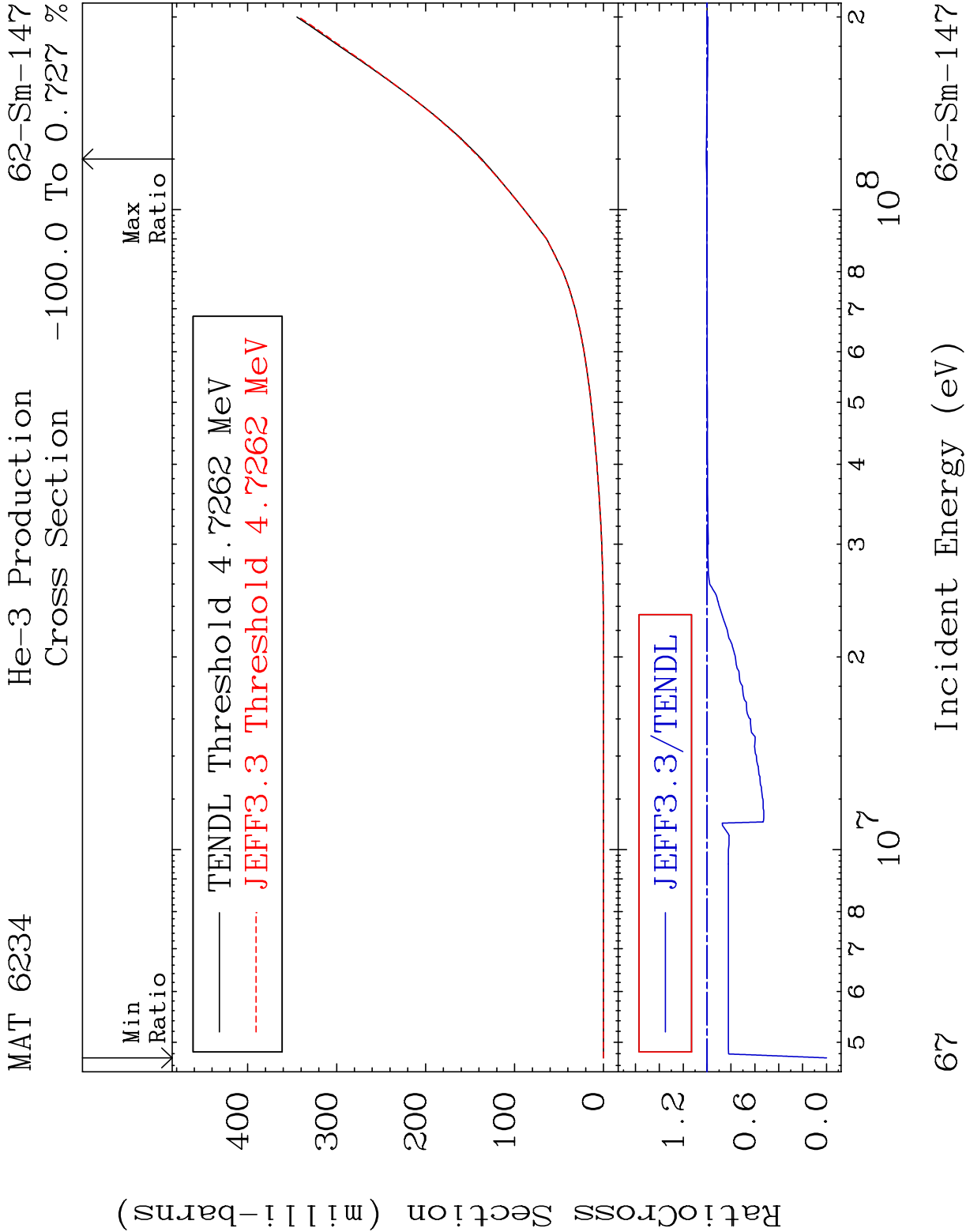
Tritium Production

Cross Section

-100.0 To 148.2 %

62-Sm-147





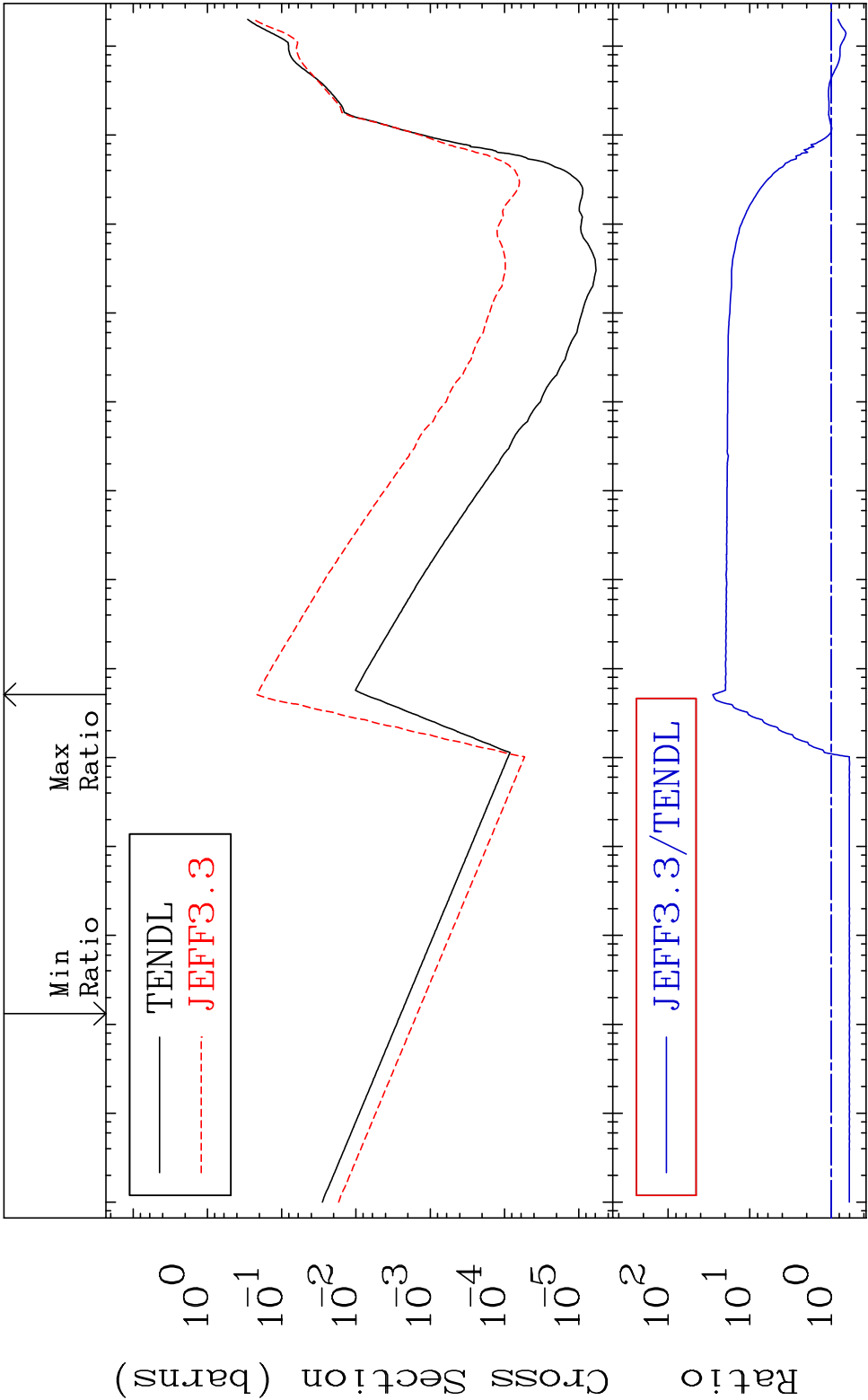
MAT 6234

He-4 Production

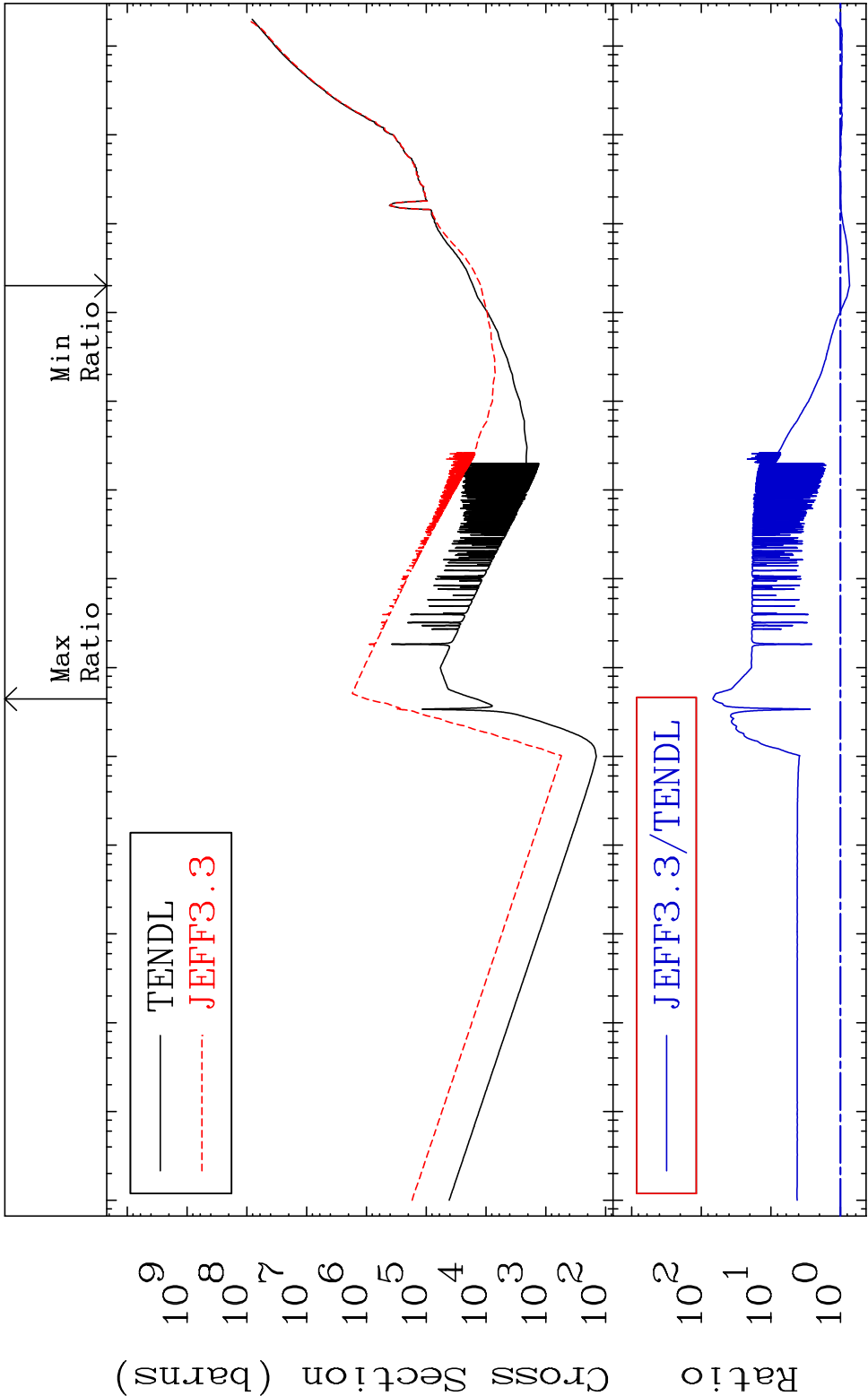
Cross Section

-39.96 To 2730. %

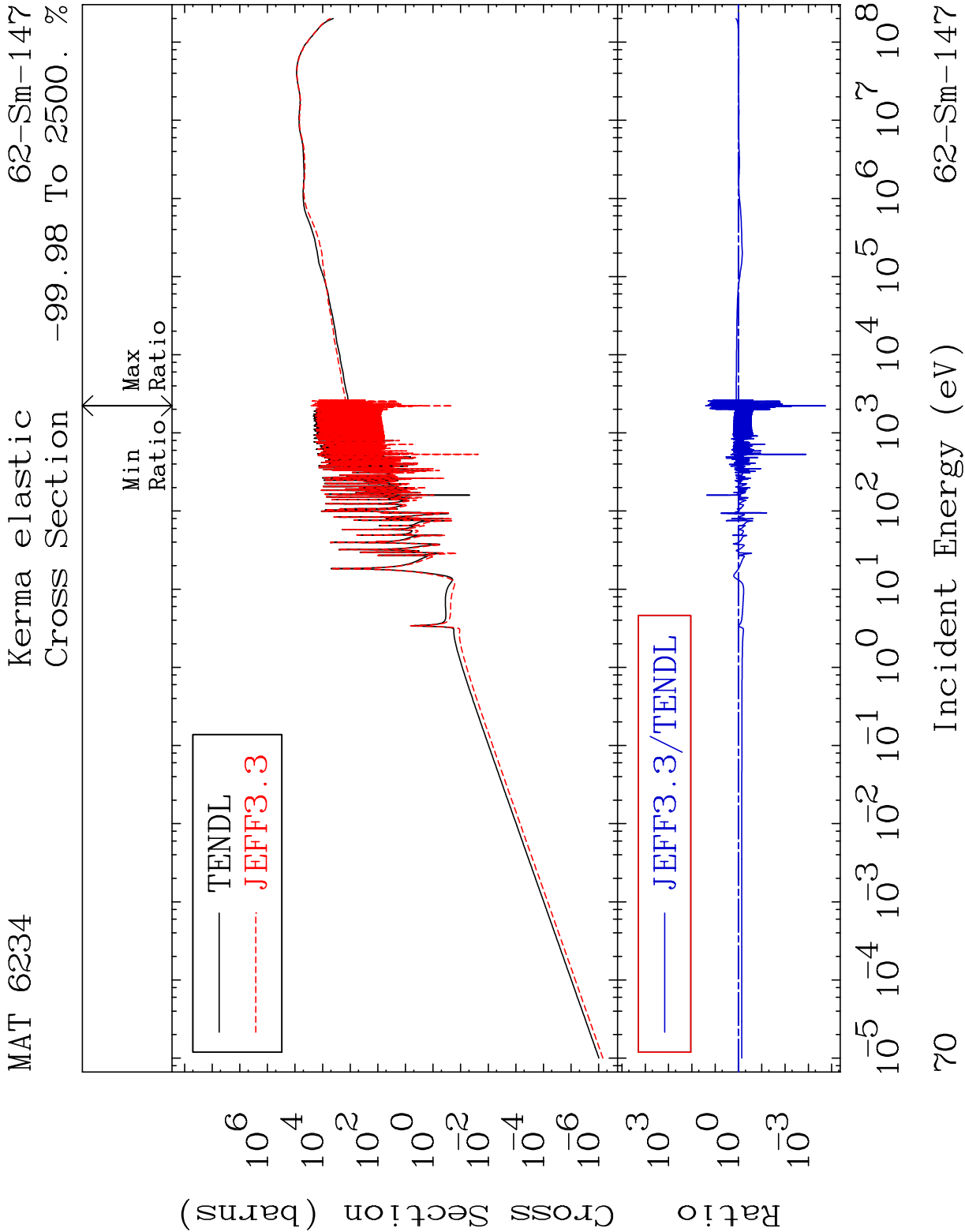
62-Sm-147



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

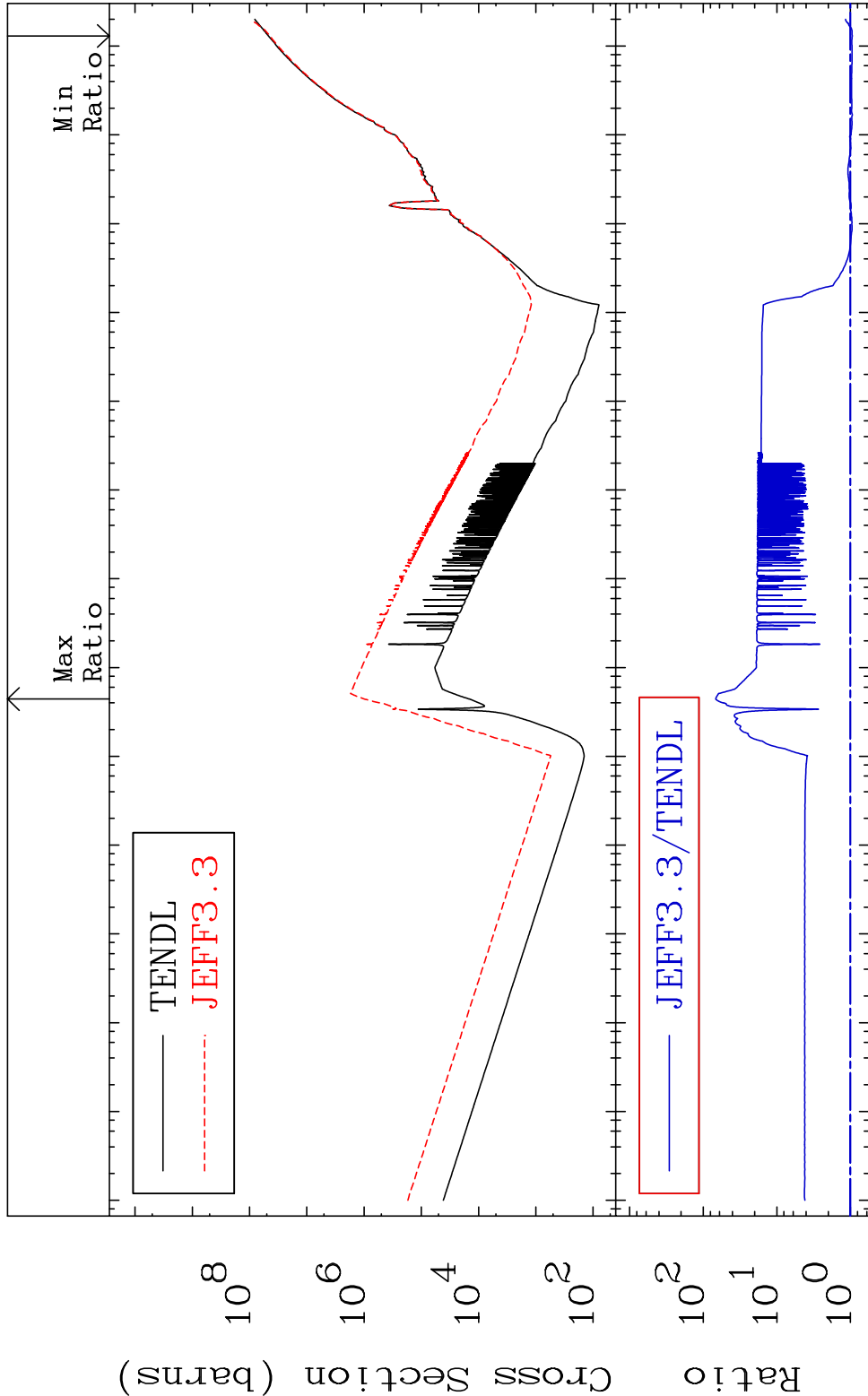


69      Incident Energy (eV)      62-Sm-147



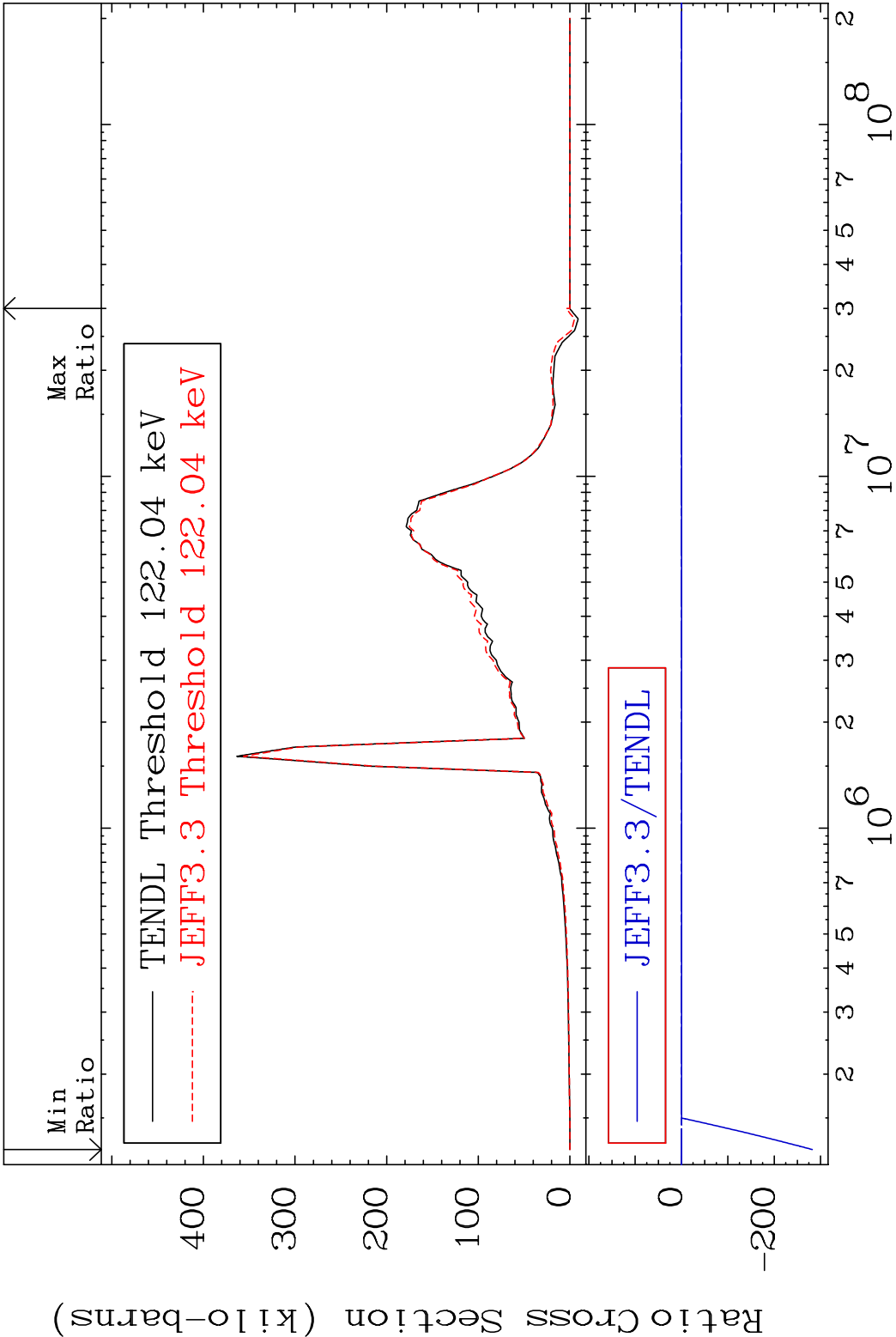
MAT 6234    Kerma non-elastic (all but mt2)    62-Sm-147

Cross Section    -5.388 To 6683. %



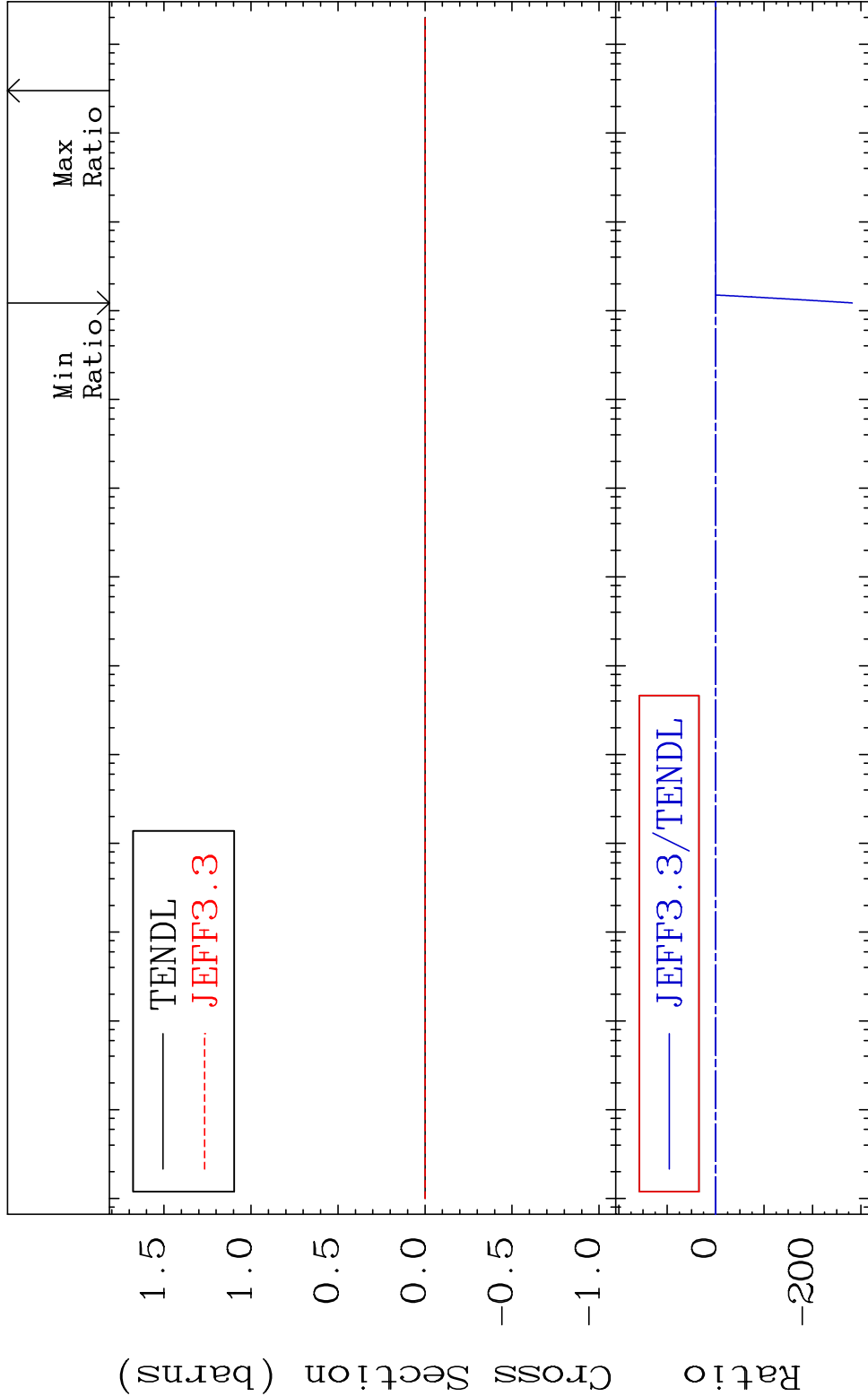
71    Incident Energy (eV)    62-Sm-147





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

Cross Section -9999. To 1037. %

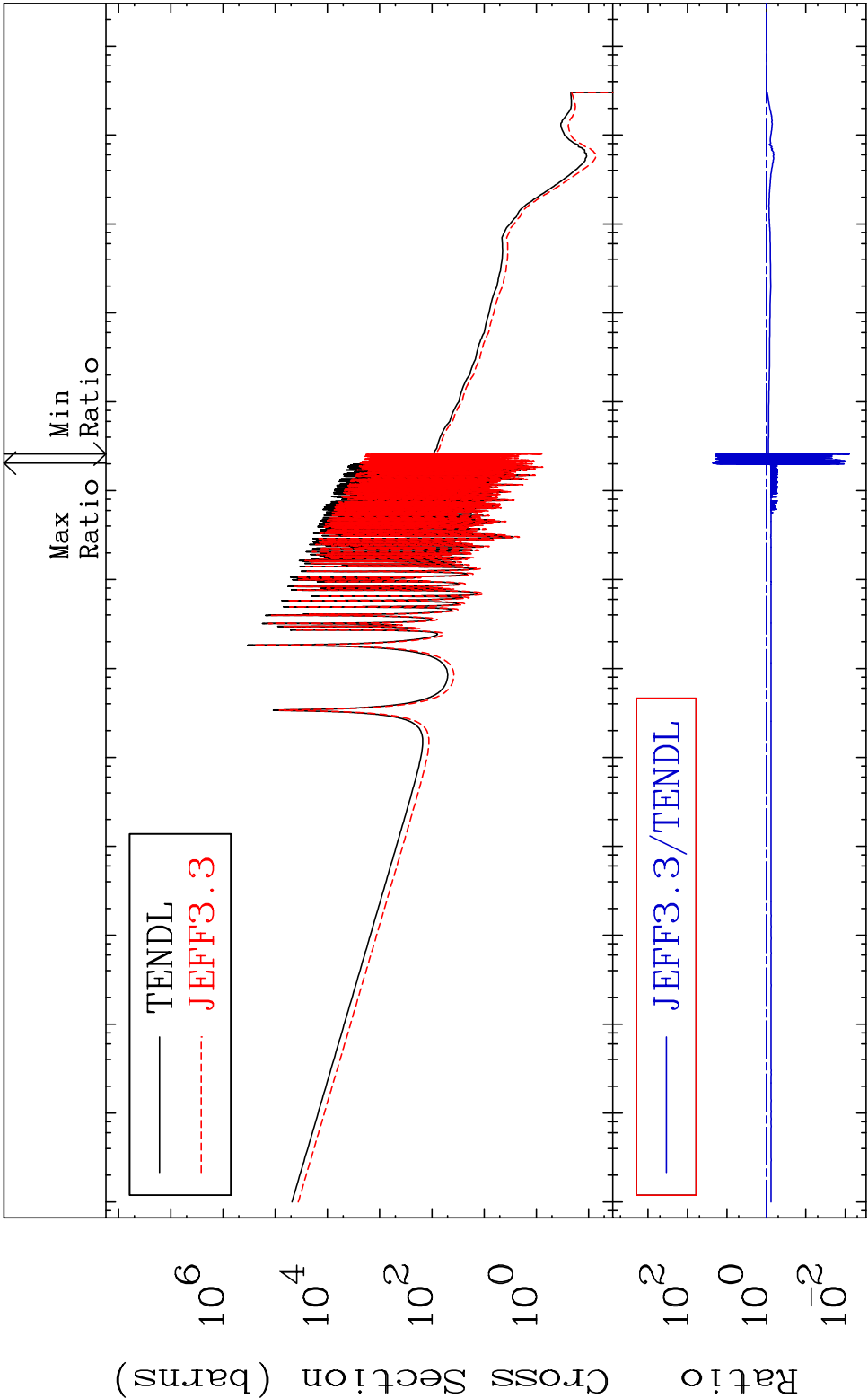


73

Incident Energy (eV)

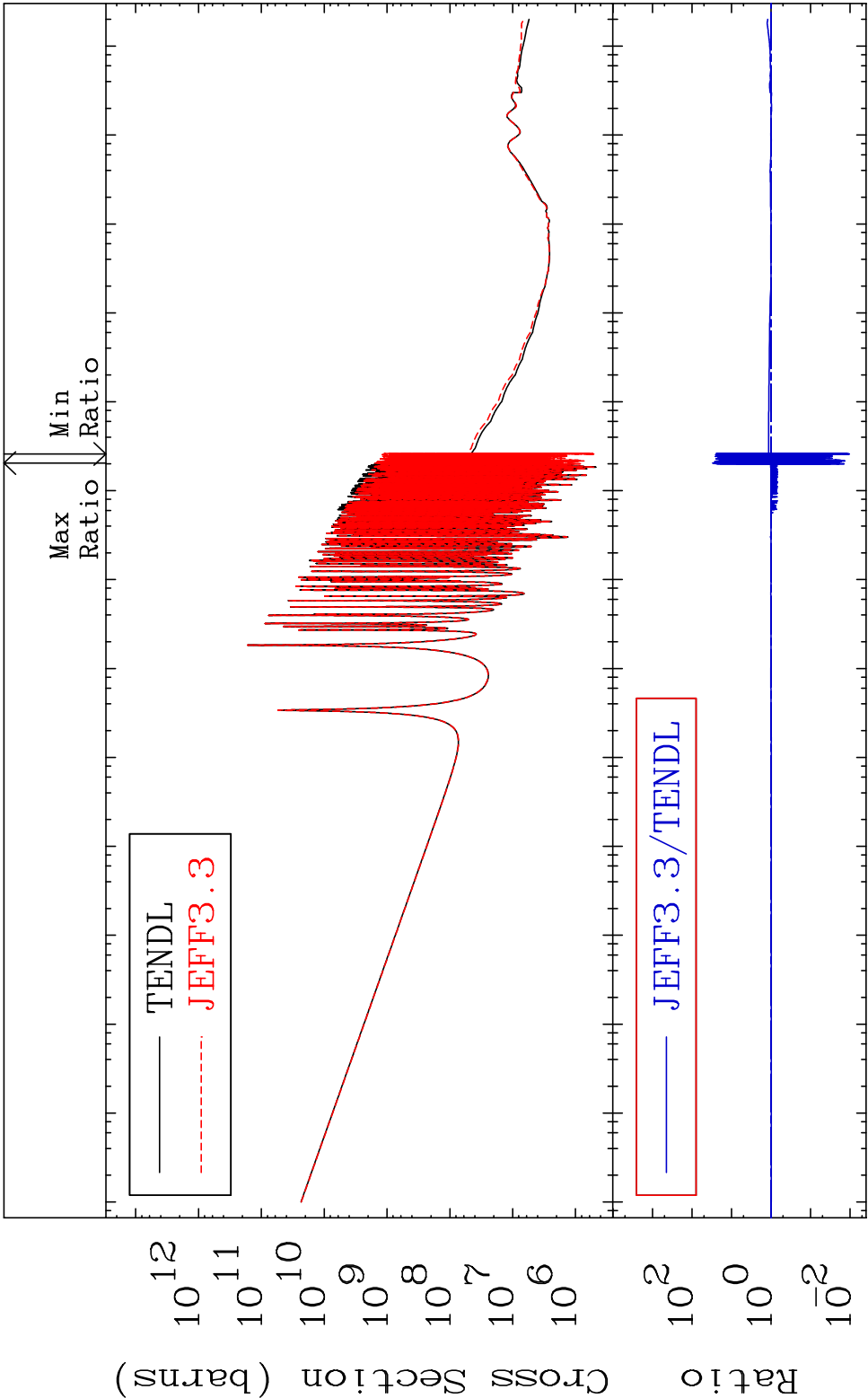
62-Sm-147

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



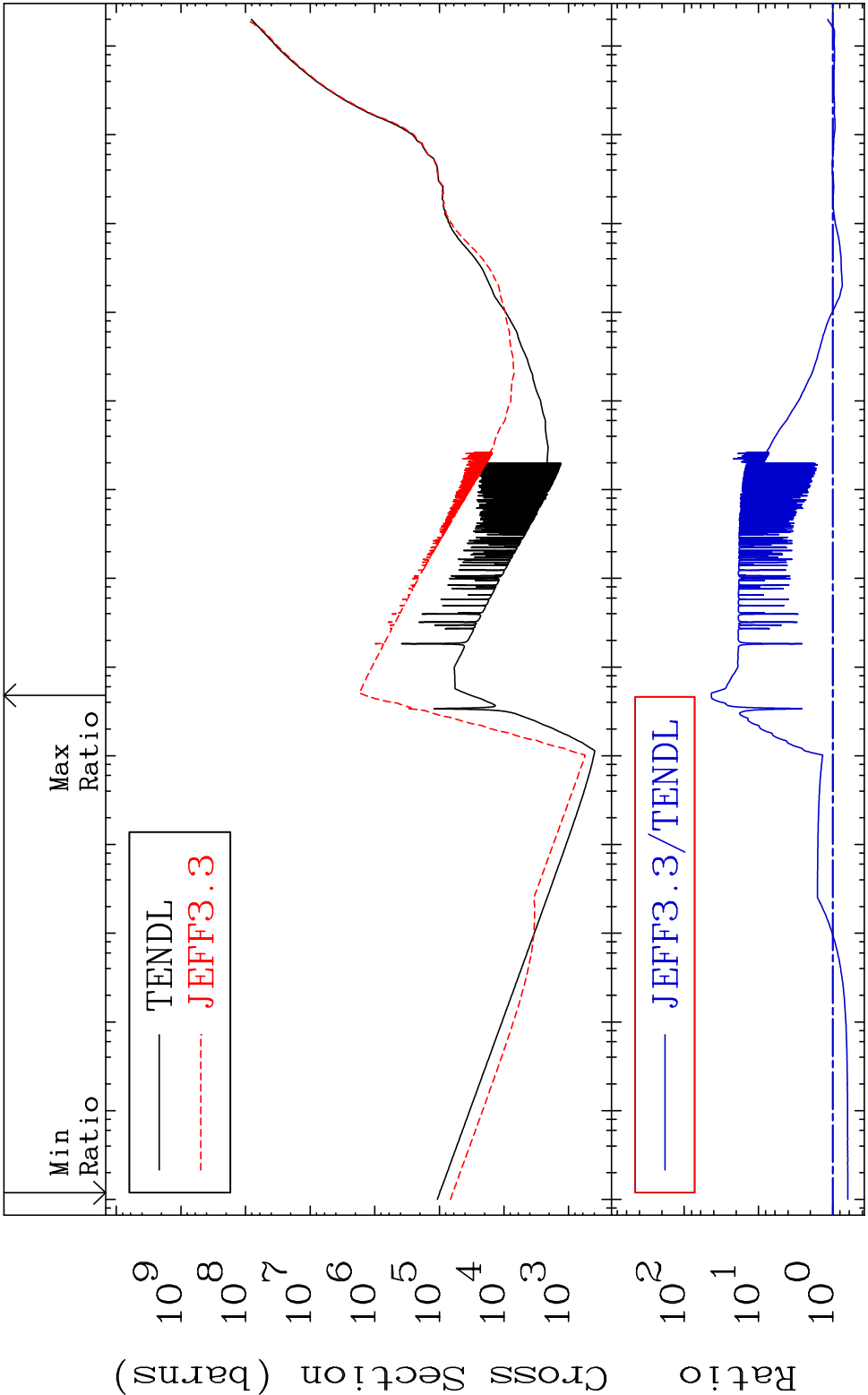
74      Incident Energy (eV)      62-Sm-147

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

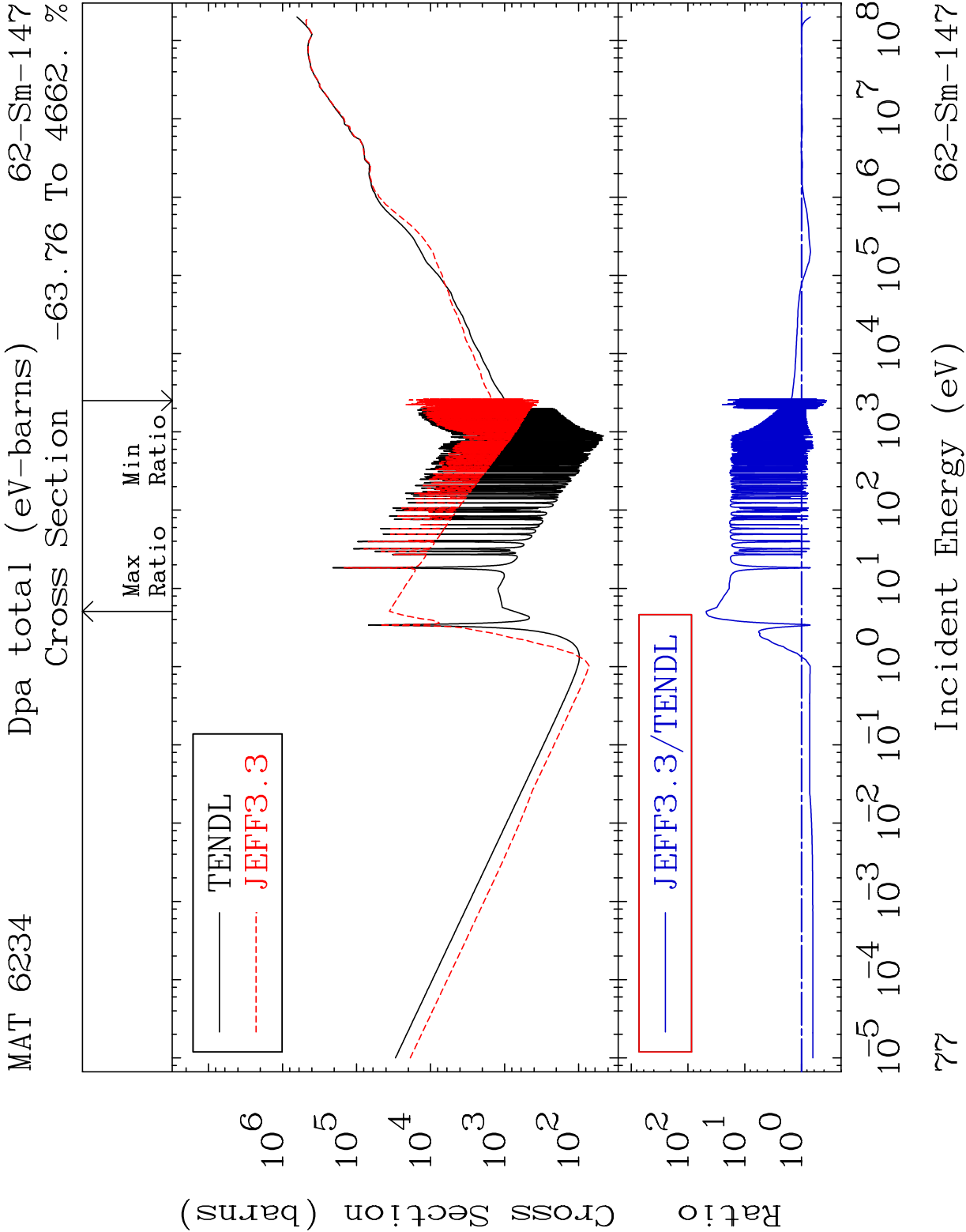


75      Incident Energy (eV)      62-Sm-147

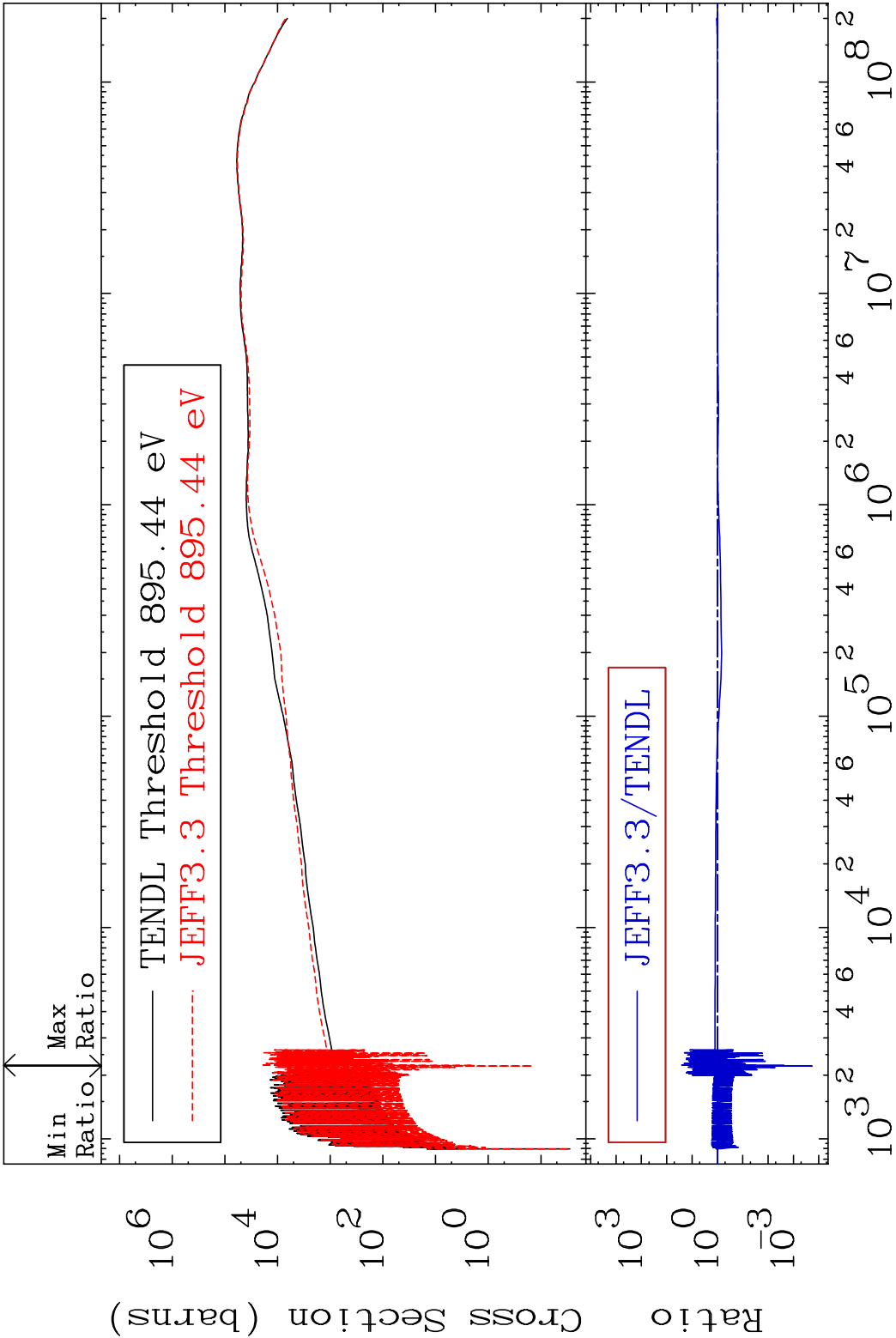
MAT 6234 Total kinematic kerma (high limit) 62-Sm-147  
Cross Section -37.21 To 4215. %



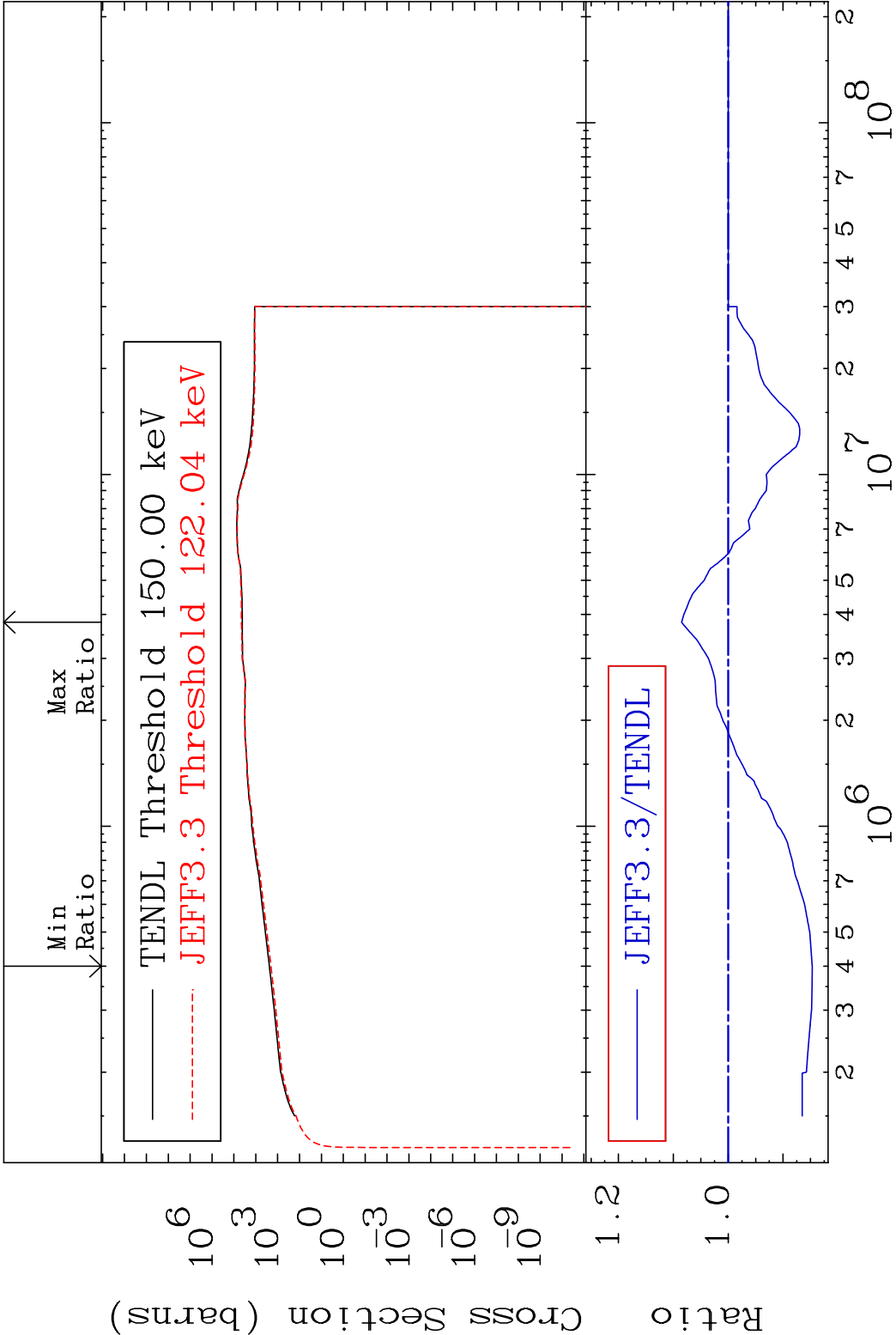
76 Incident Energy (eV) 62-Sm-147



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

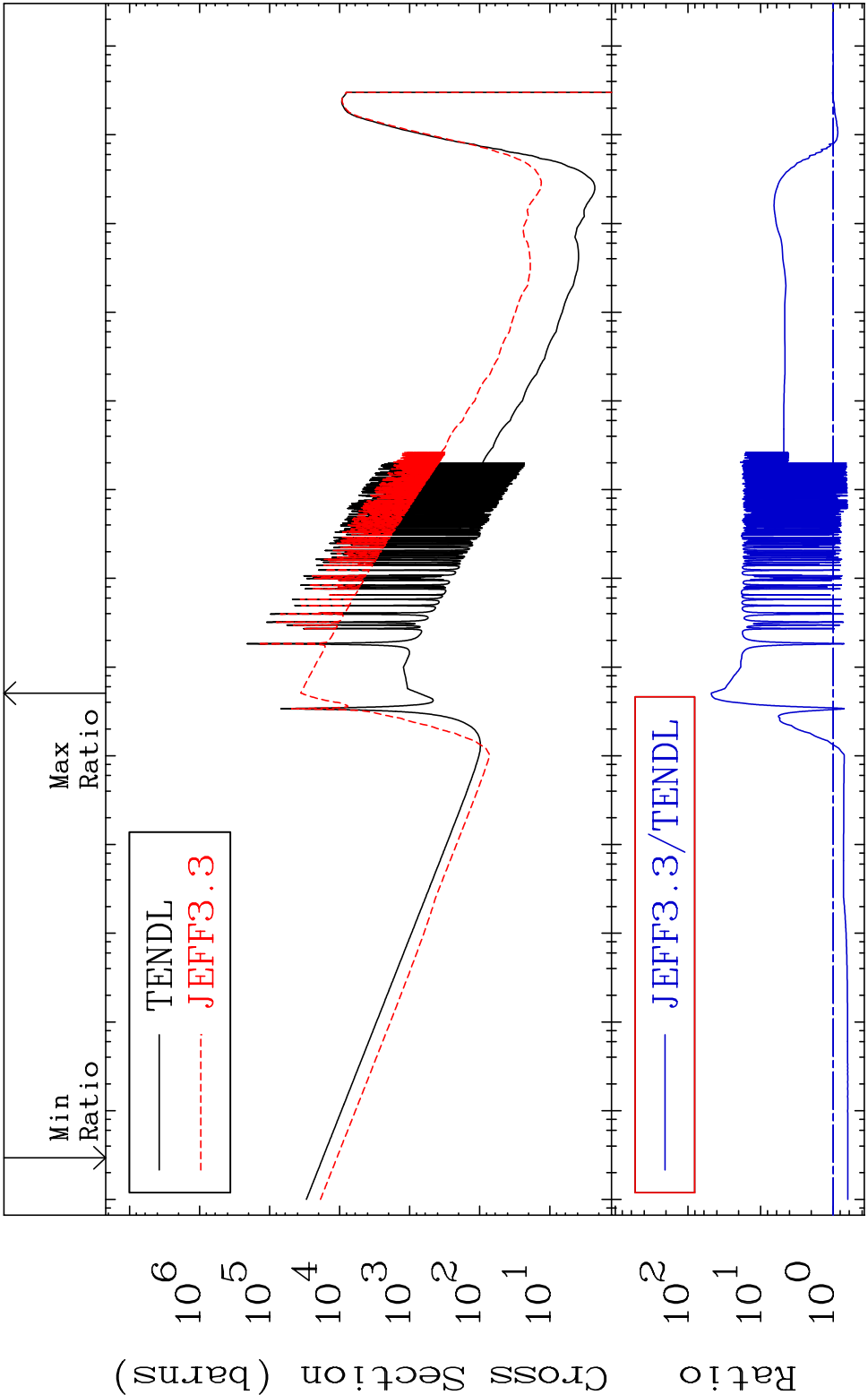


78      Incident Energy (eV)      62-Sm-147

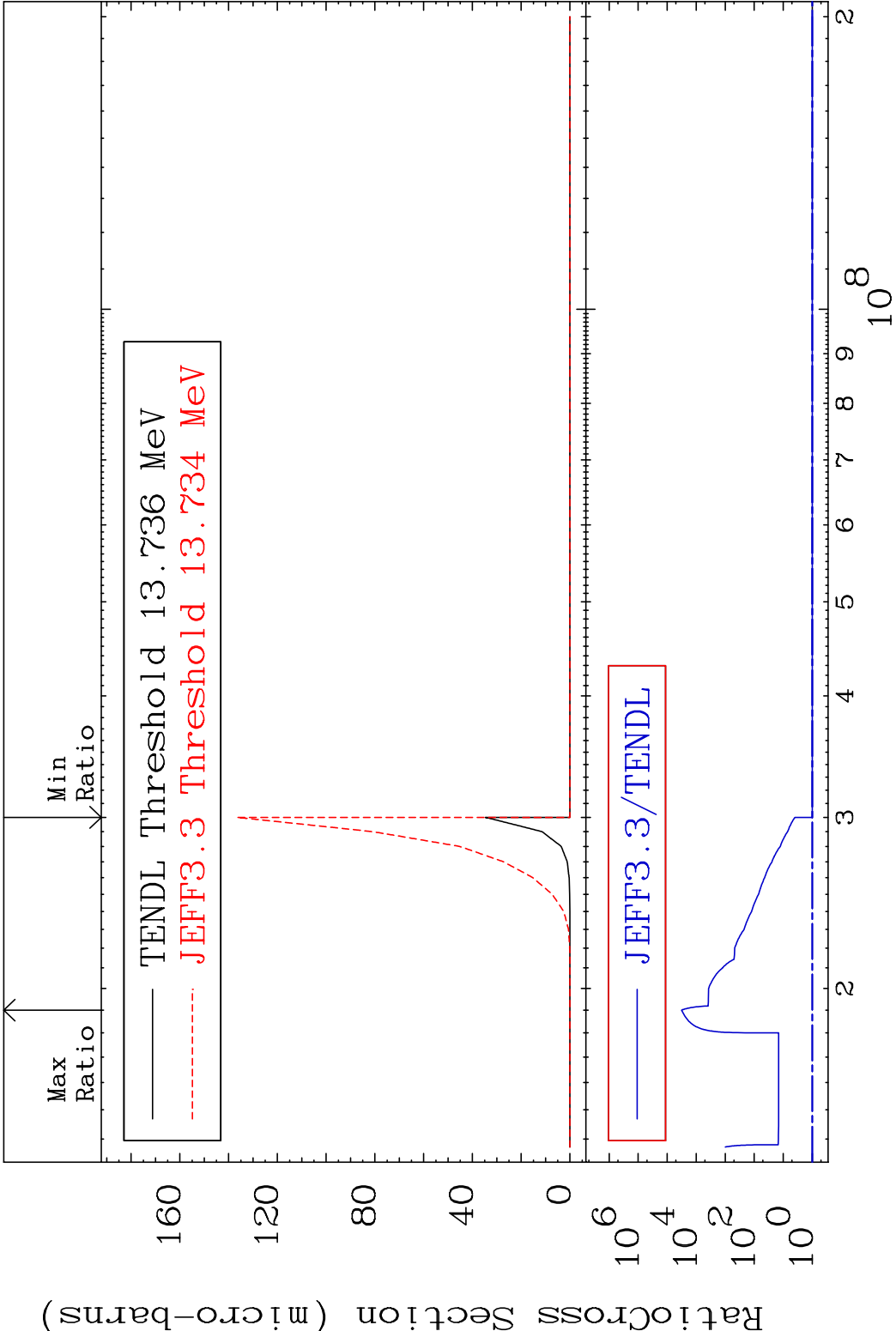


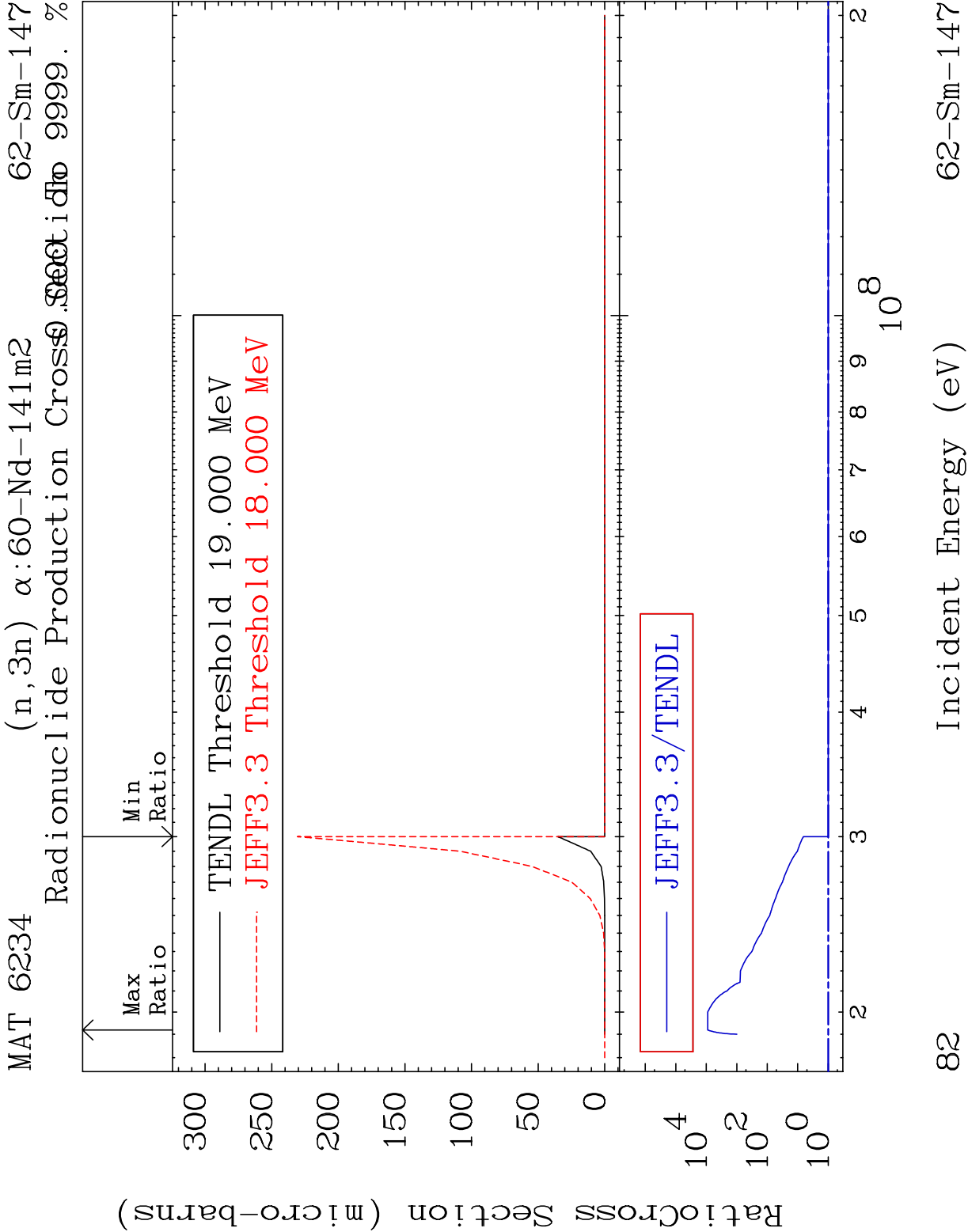


MAT 6234    Dpa disappearance (mt102 -120)    62-Sm-147  
 Cross Section    -37.02 To 4662. %

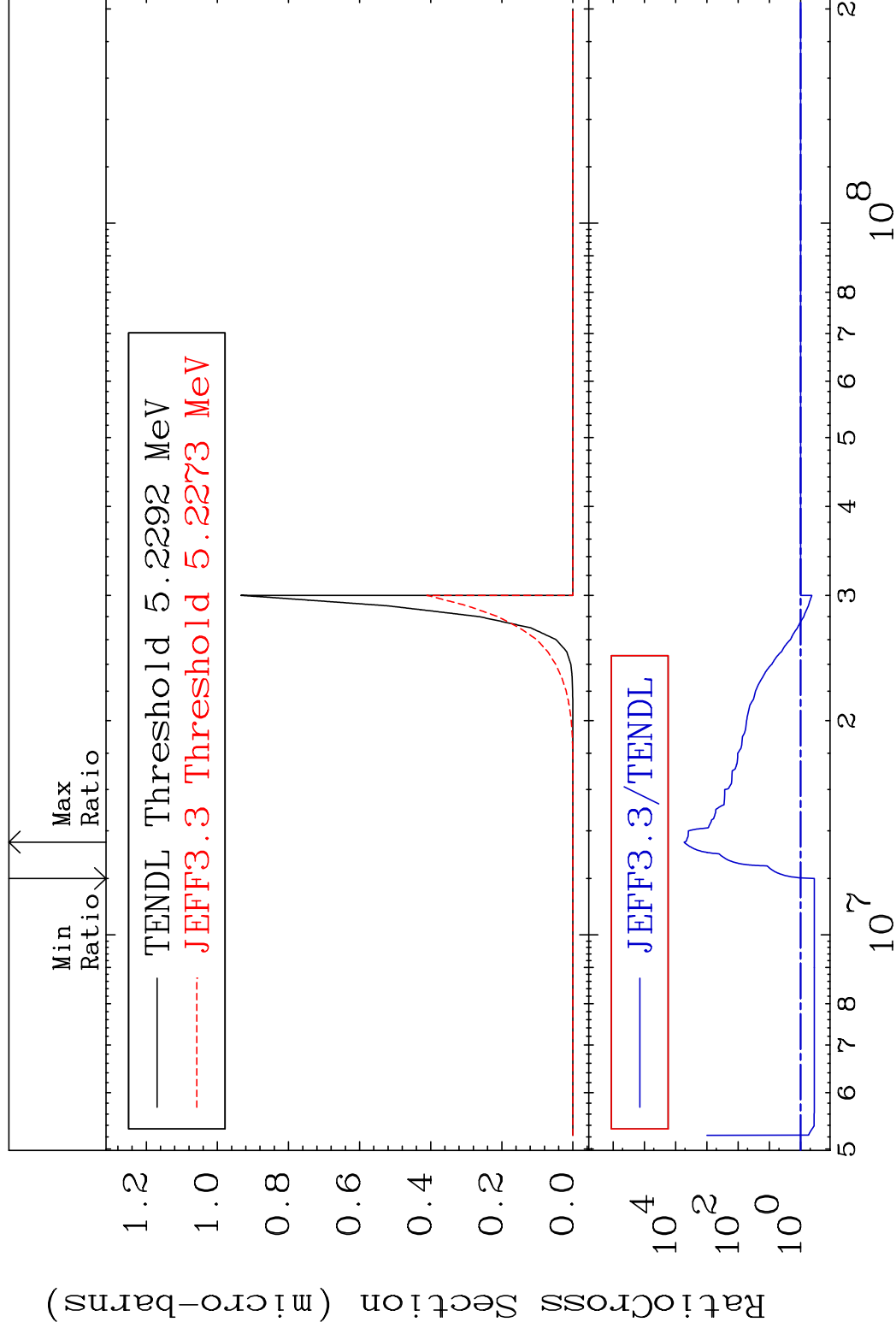


80    Incident Energy (eV)    62-Sm-147





Radionuclide Production Cross-Section, %



Radionuclide Production Cross-Section 9999. %

