

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

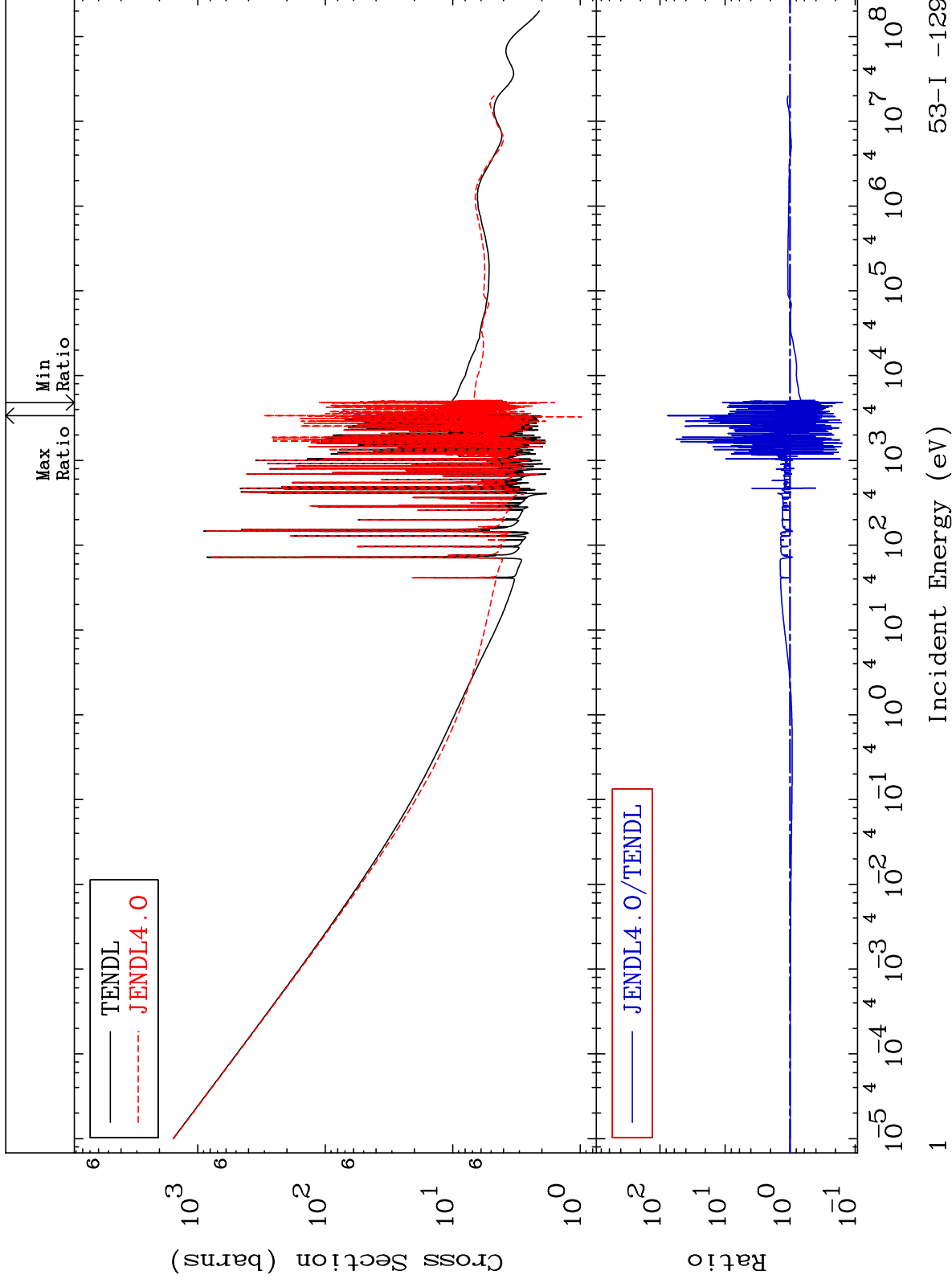
MAT 5331

Total

53-I -129

Cross Section

-84.43 To 7608. %



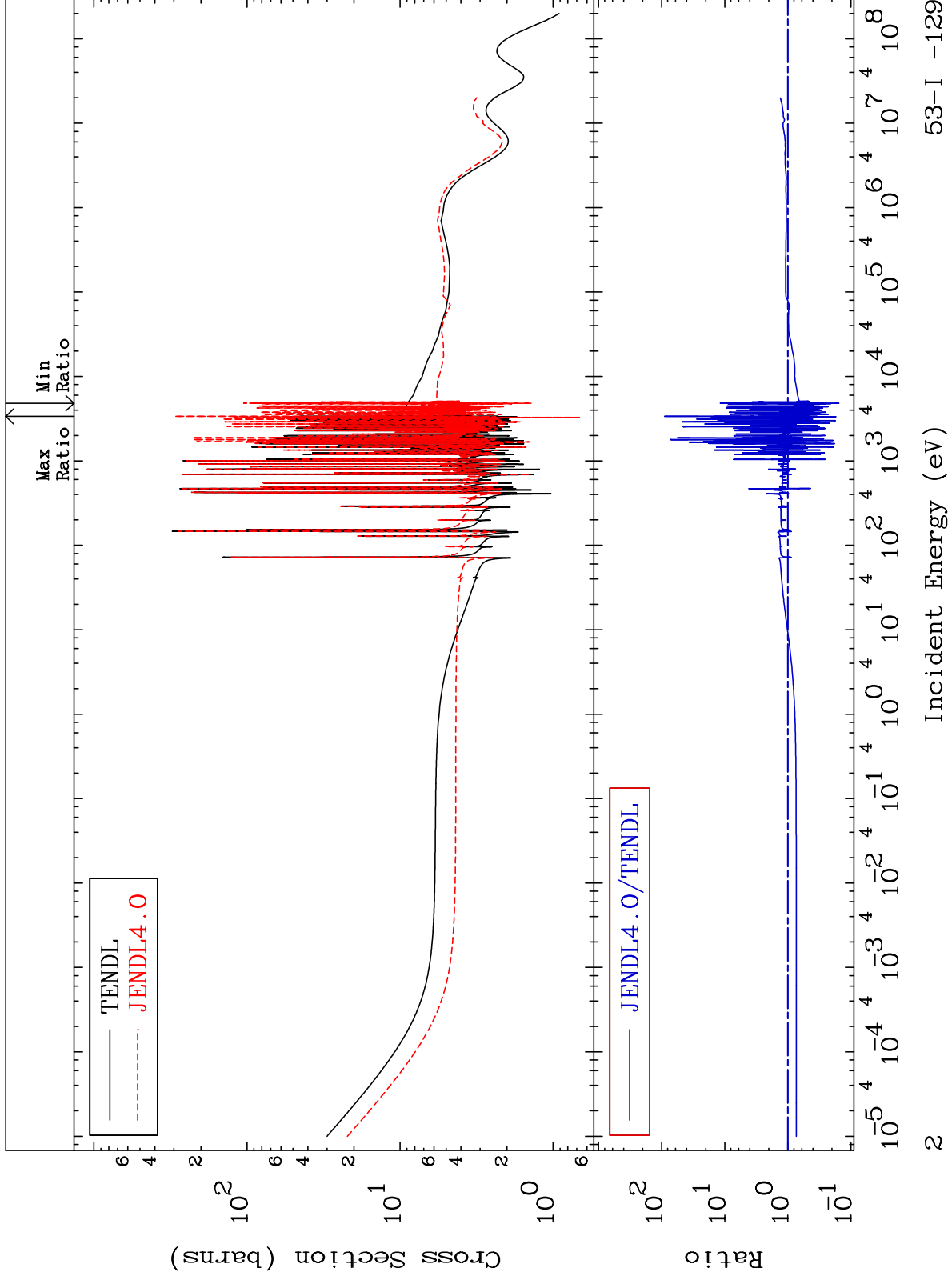
MAT 5331

Elastic

Cross Section

53-I -129

-84.55 To 8899. %



53-I -129

Incident Energy (eV)

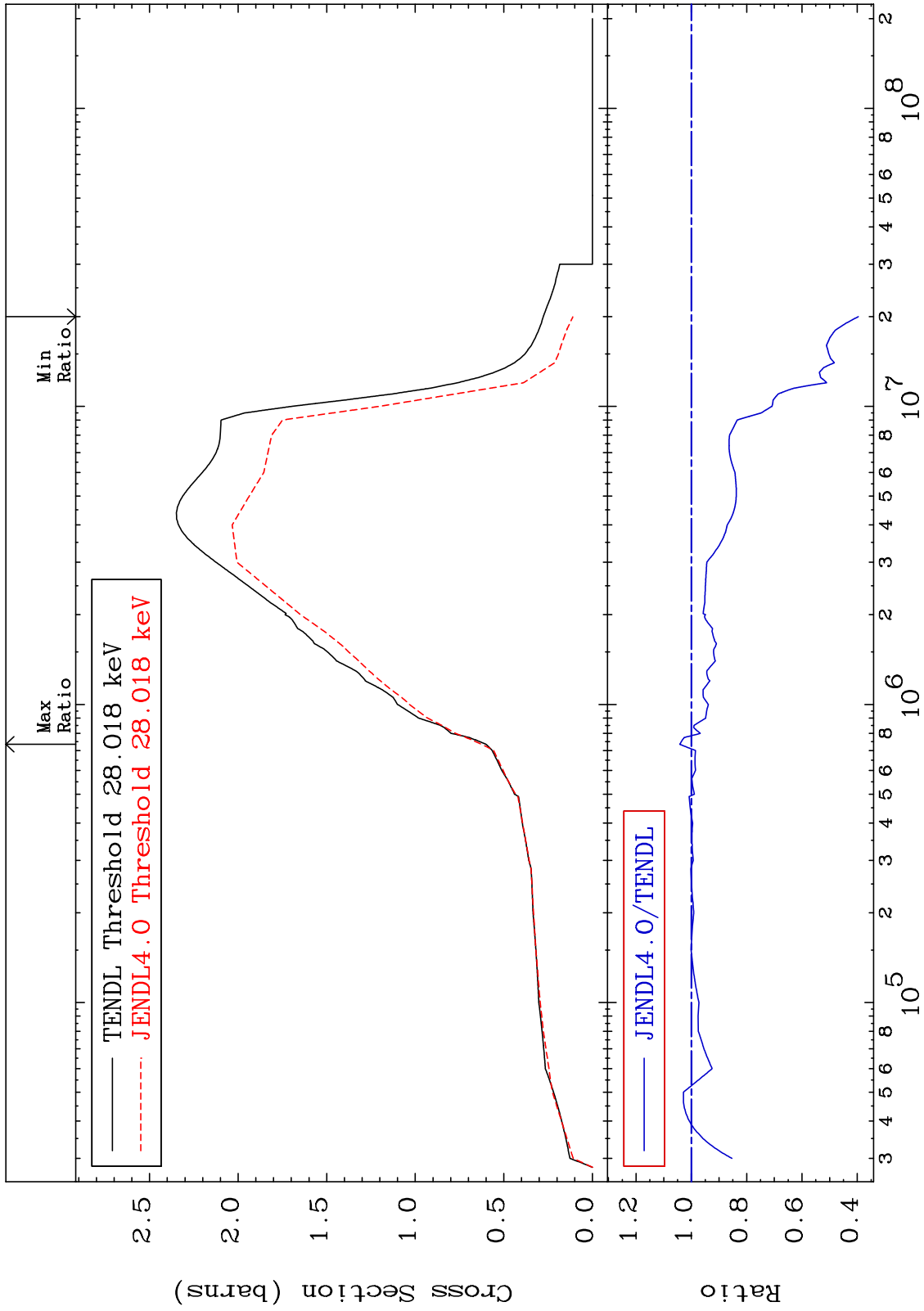
2

MAT 5331

Inelastic
Cross Section

53-I -129

-60.39 To 4.184 %



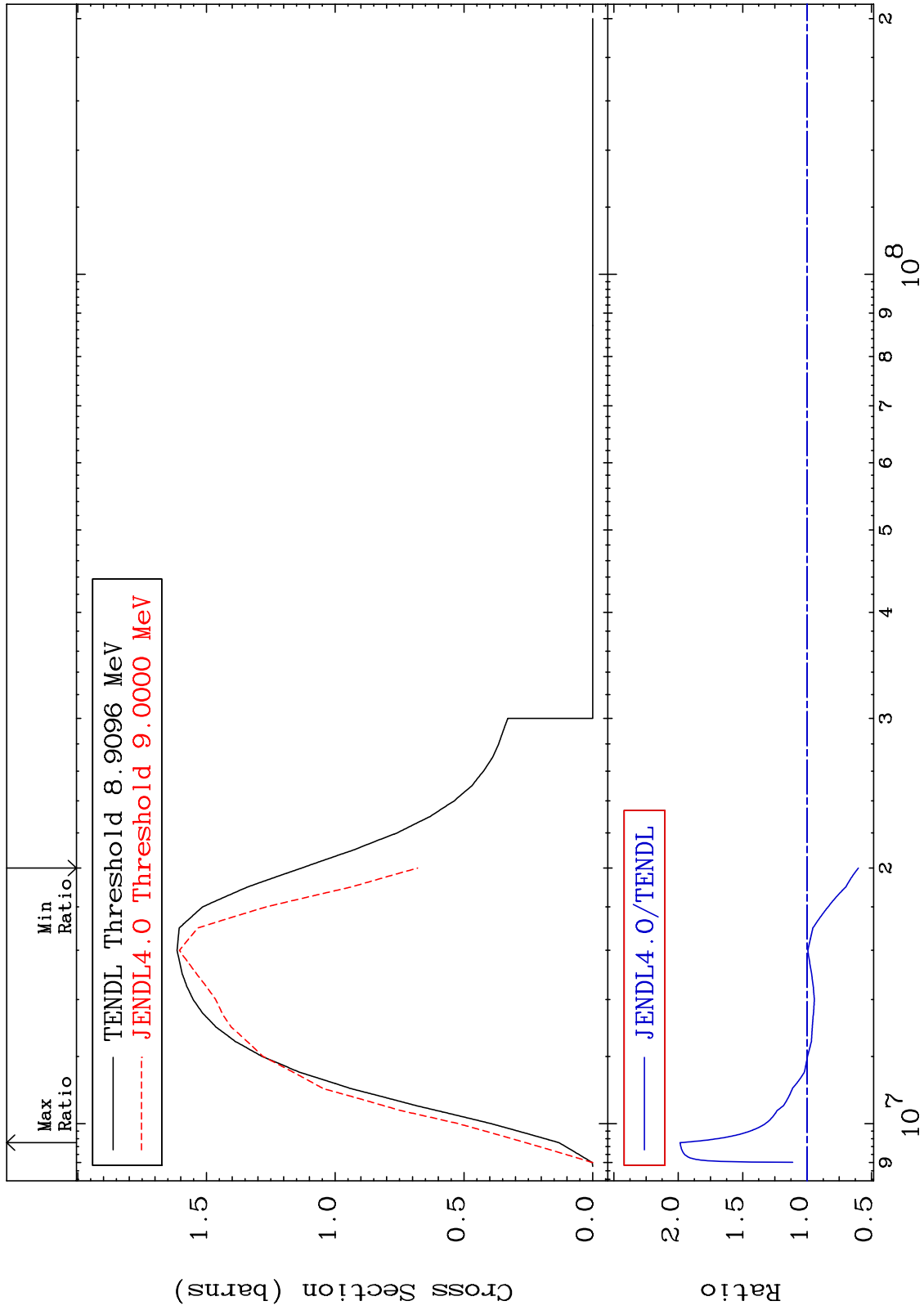
MAT 5331

(n,2n)

53-I -129

Cross Section

-39.85 To 98.63 %



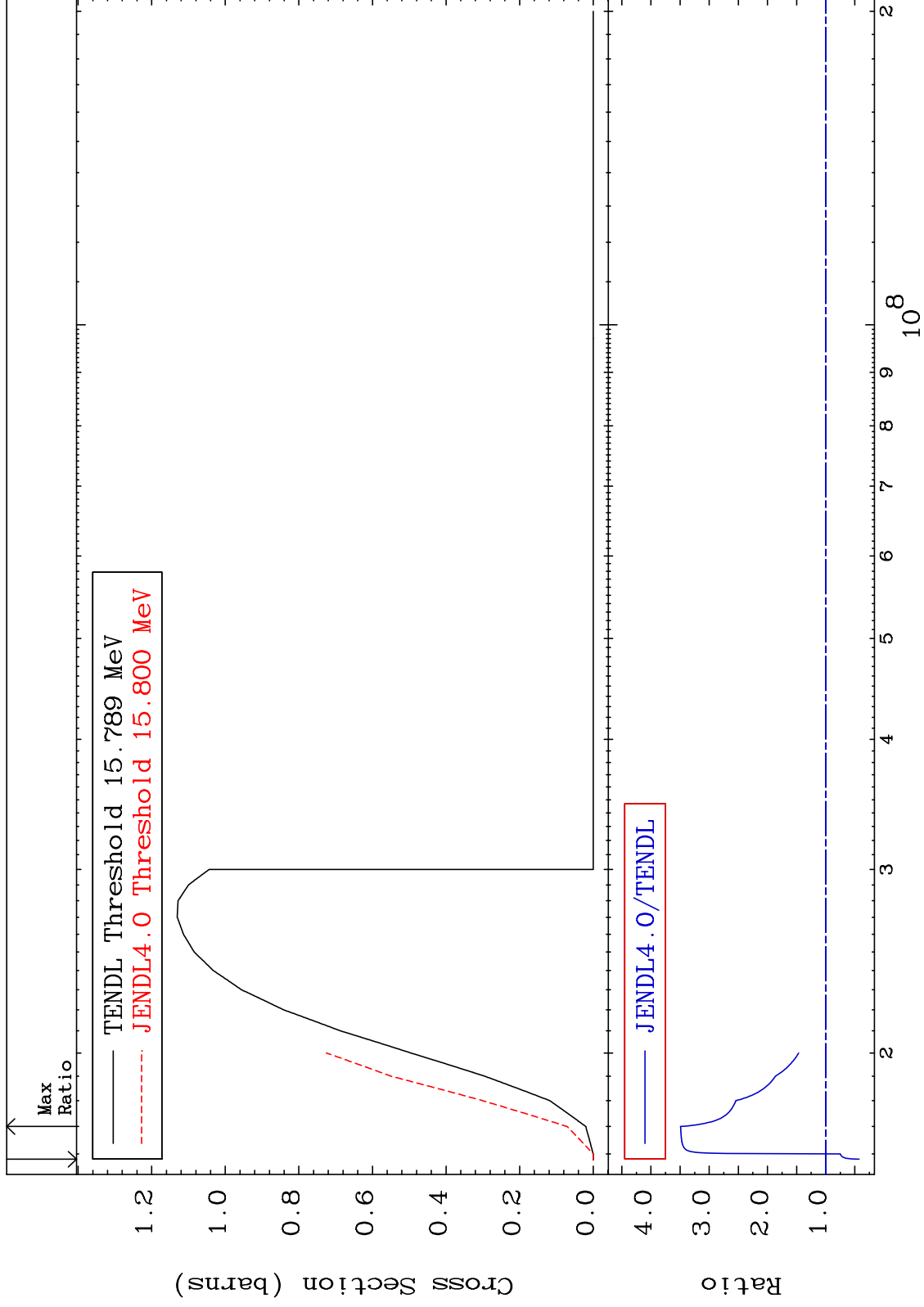
MAT 5331

(n, 3n)

53-I -129

Cross Section

-57.43 To 249.1 %



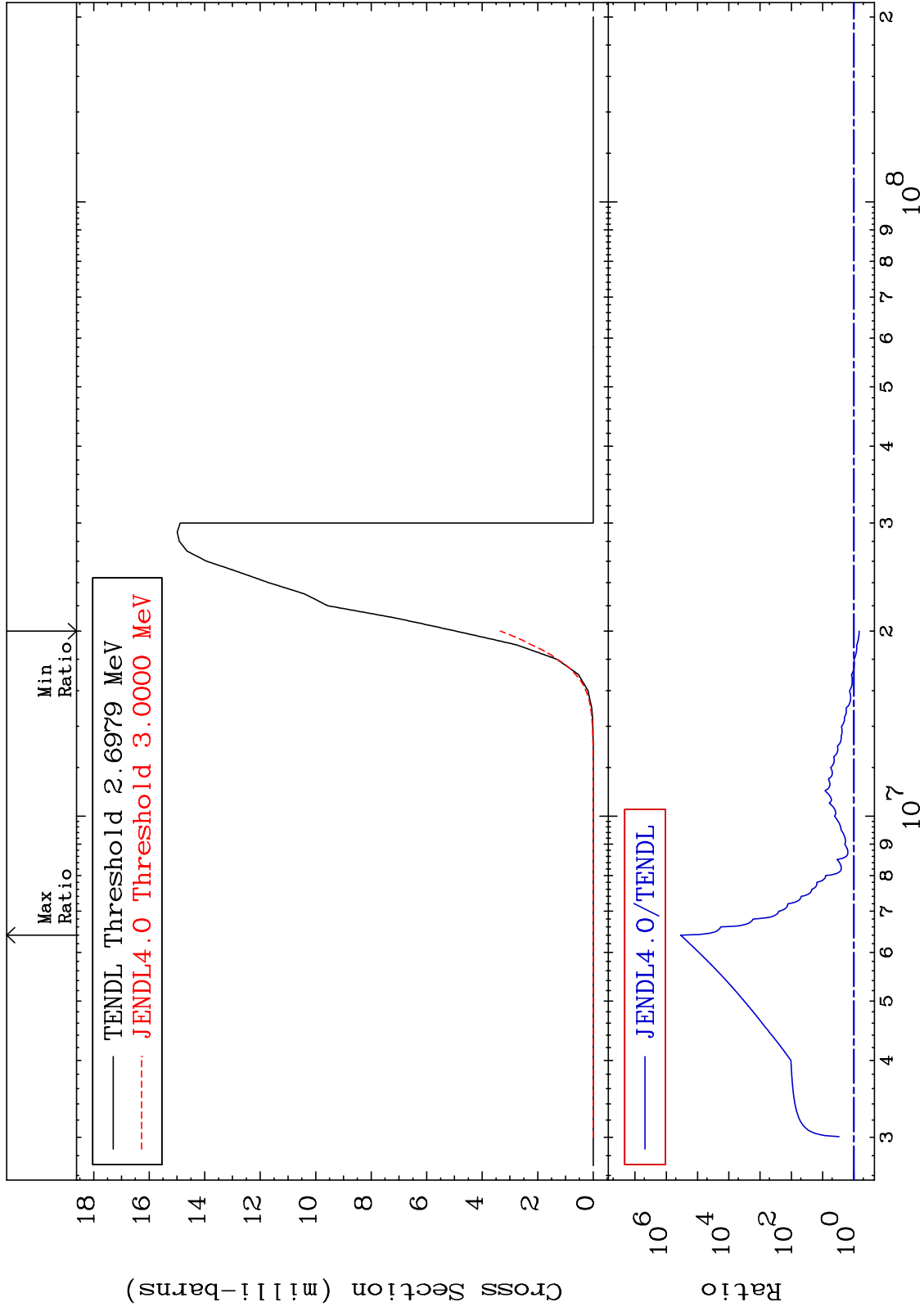
MAT 5331

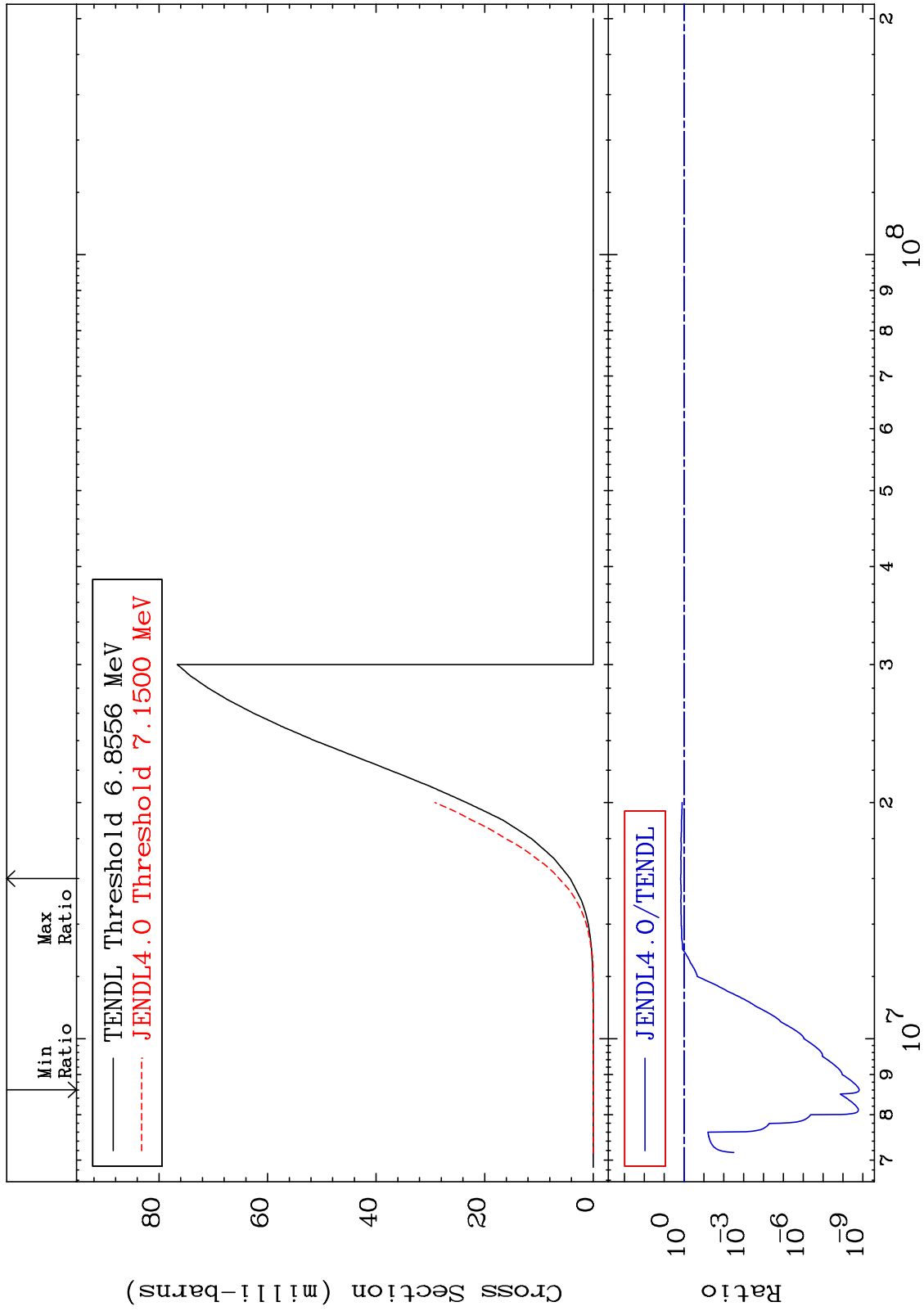
(n,n') α

53-I -129

-32.24 To 9999. %

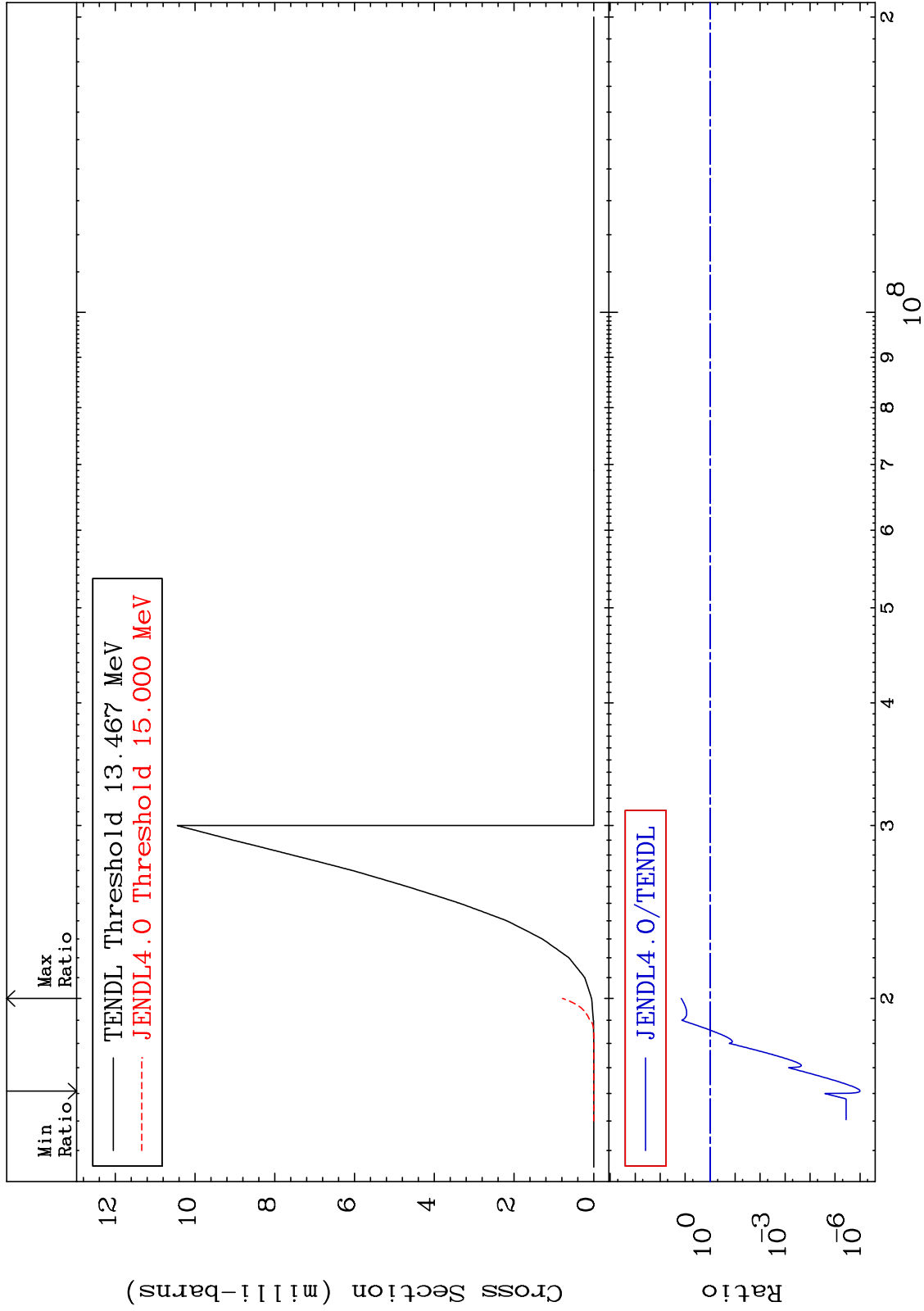
Cross Section





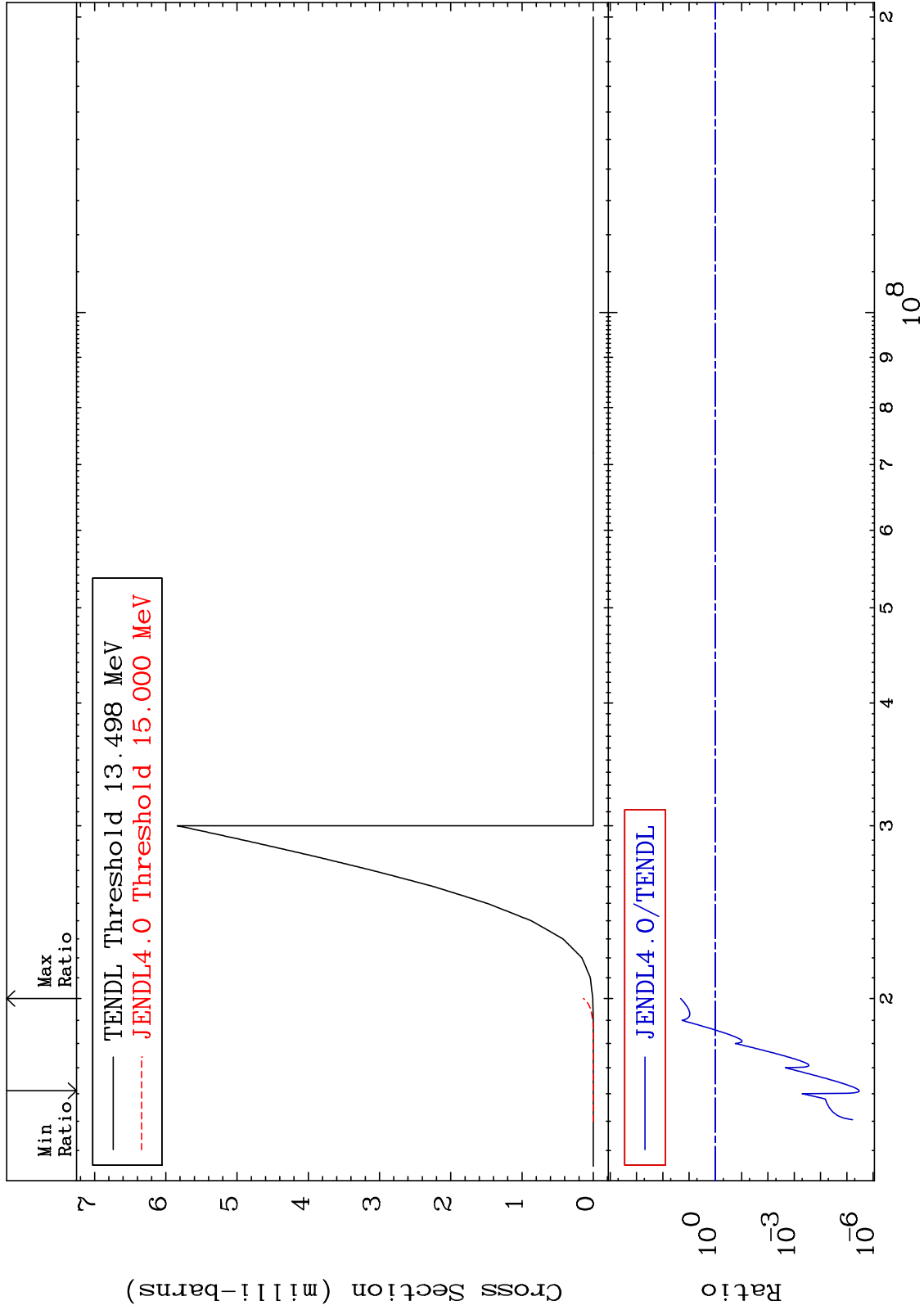
Cross Section

-100.0 To 1339. %



Cross Section

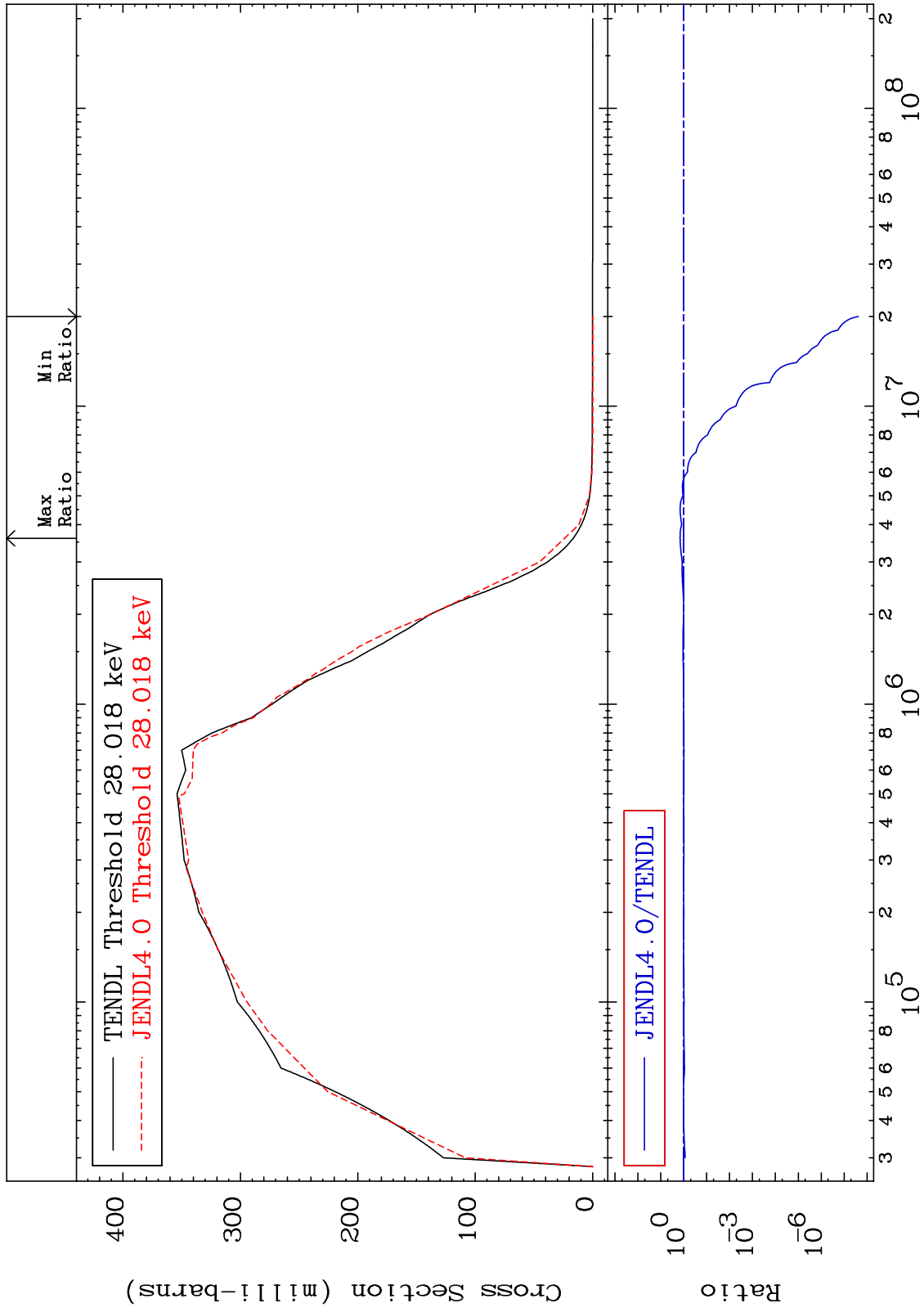
-100.0 To 1993. %



MAT 5331

MT= 51 (n,n') Level
Cross Section

53-I -129
-100.0 To 45.00 %



10

Incident Energy (eV)

53-I -129

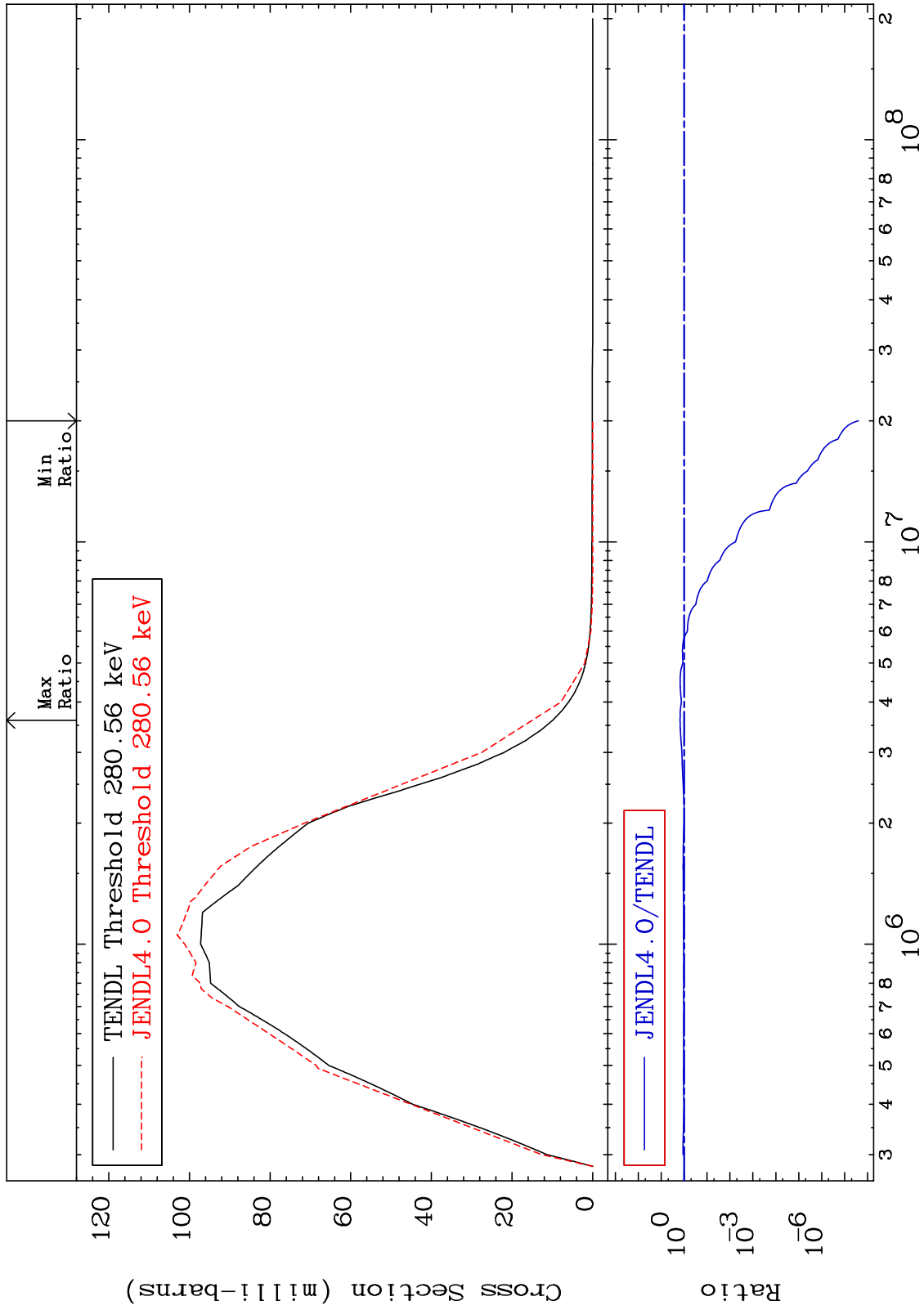
MAT 5331

MT= 52 (n,n') Level

53-I -129

-100.0 To 51.05 %

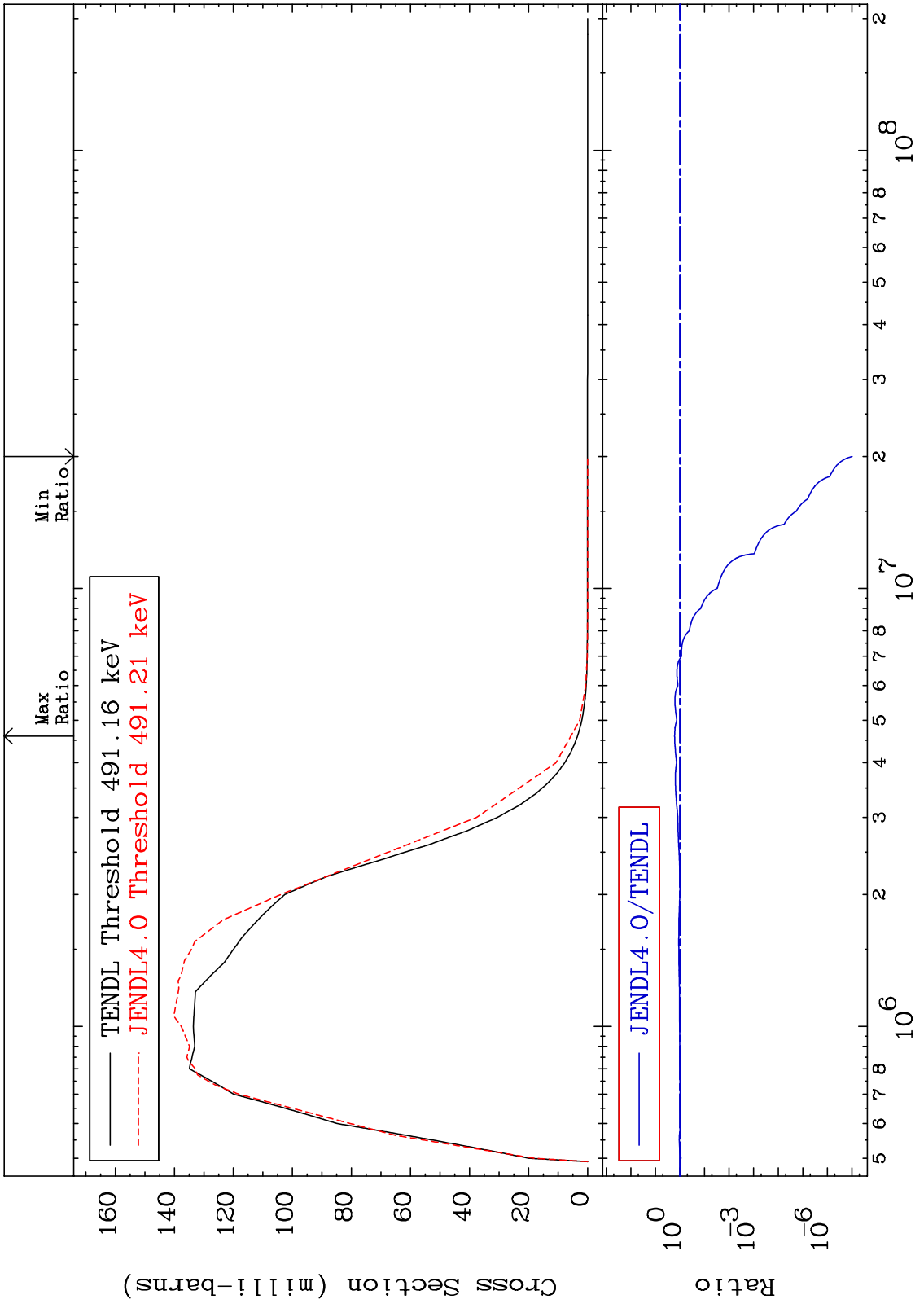
Cross Section



MAT 5331

MT= 53 (n,n') Level
Cross Section

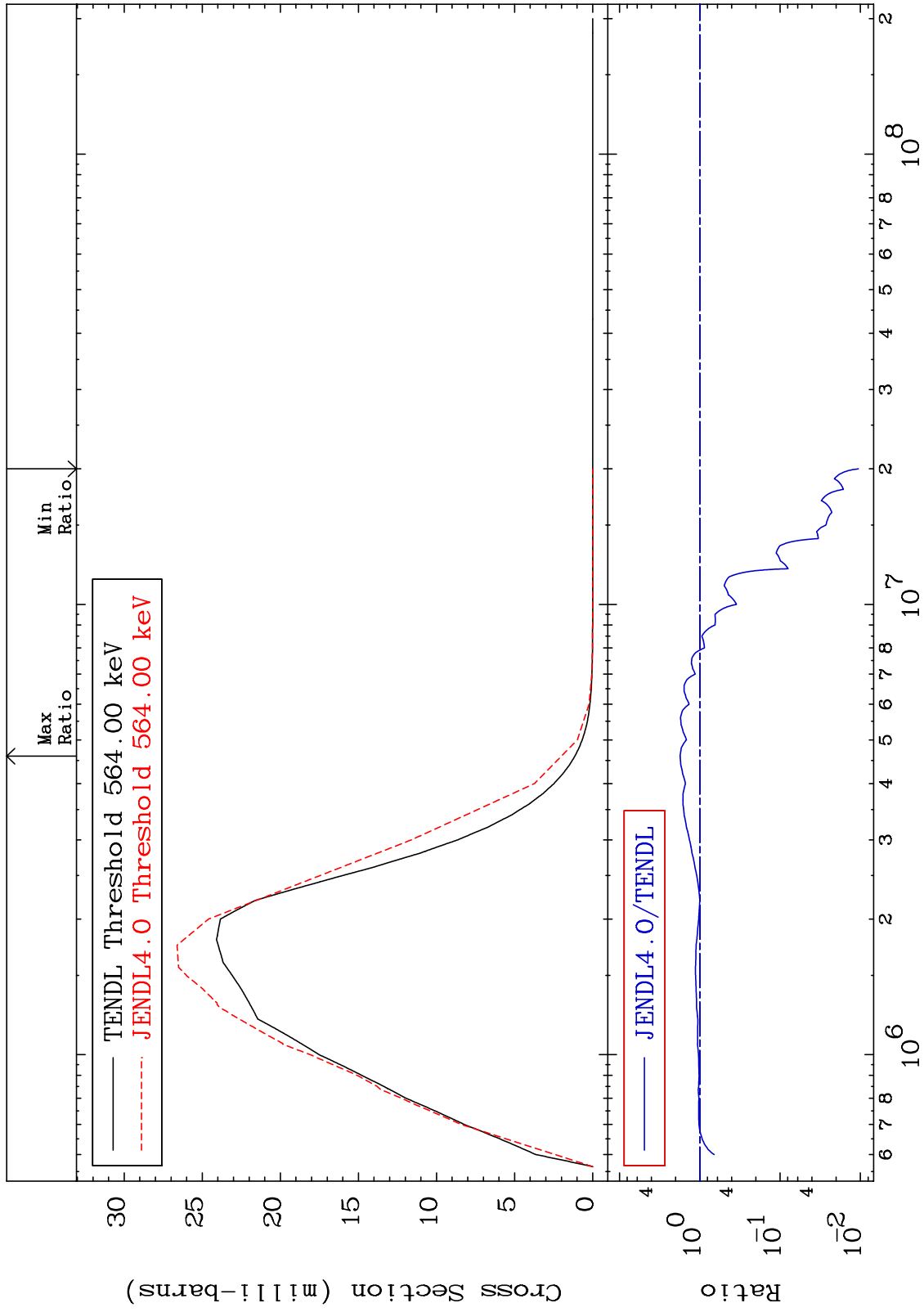
53-I -129
-100.0 To 65.81 %



MAT 5331

MT= 54 (n,n') Level
Cross Section

53-I -129
-98.94 To 75.94 %



13

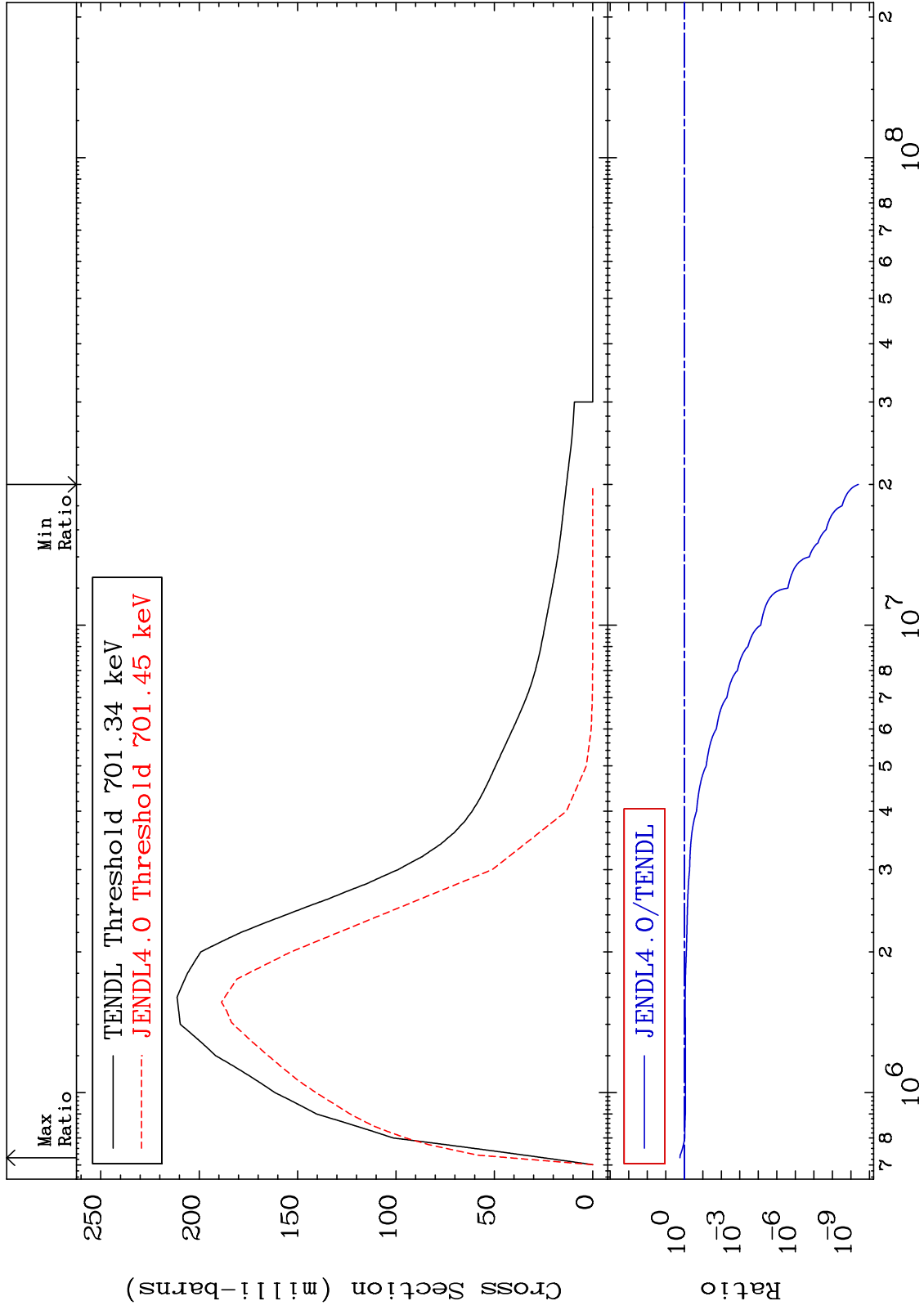
Incident Energy (eV)

53-I -129

MAT 5331

MT= 55 (n,n') Level
Cross Section

53-I -129
-100.0 To 69.36 %



14

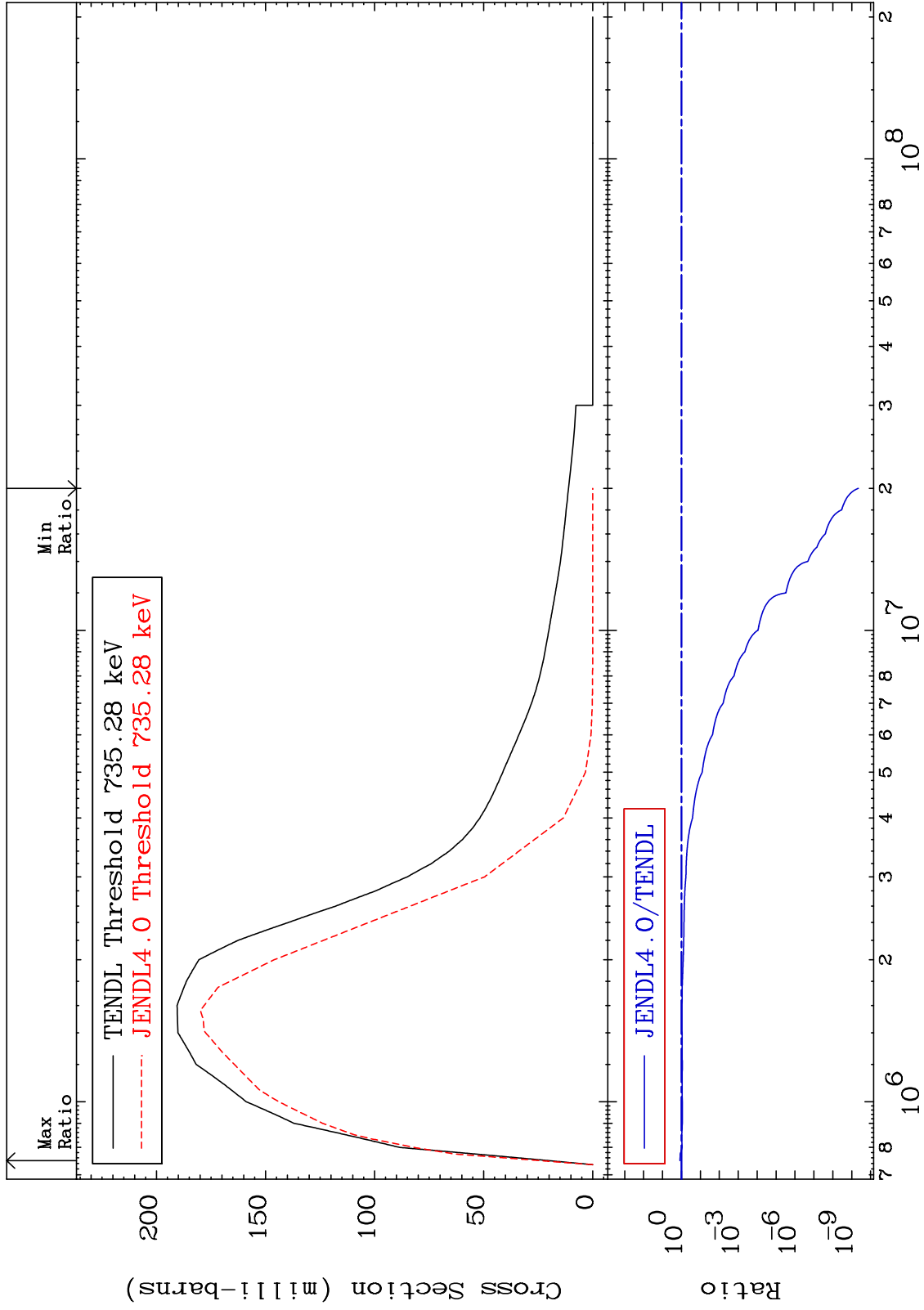
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To 19.14 %



15

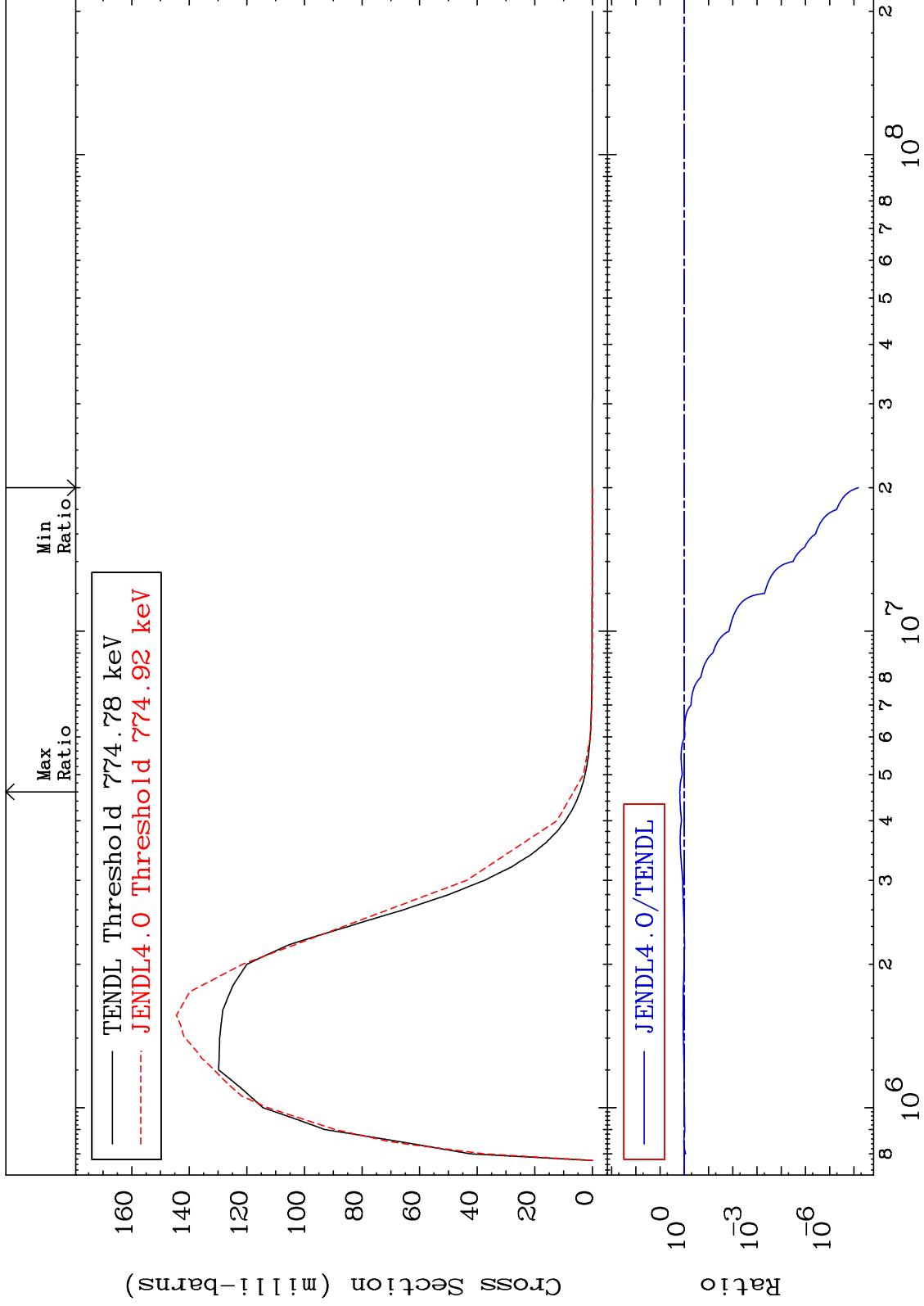
Incident Energy (eV)

53-I -129

MAT 5331

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

53-I -129
-100.0 To 53.53 %



16

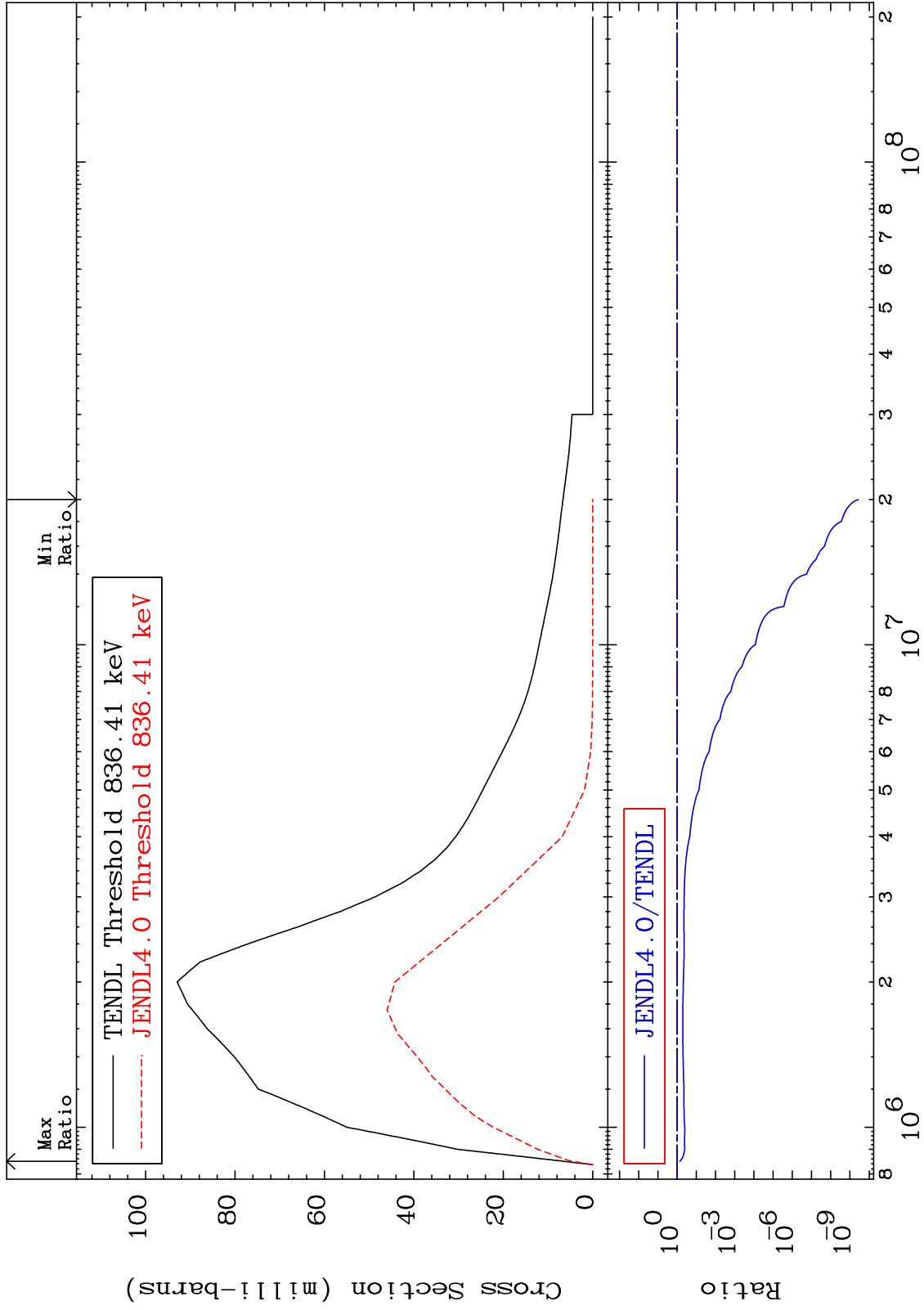
Incident Energy (eV)

53-I -129

MAT 5331

MT= 58 (n,n') Level
Cross Section

53-I -129
-100.0 To -29.06%



17

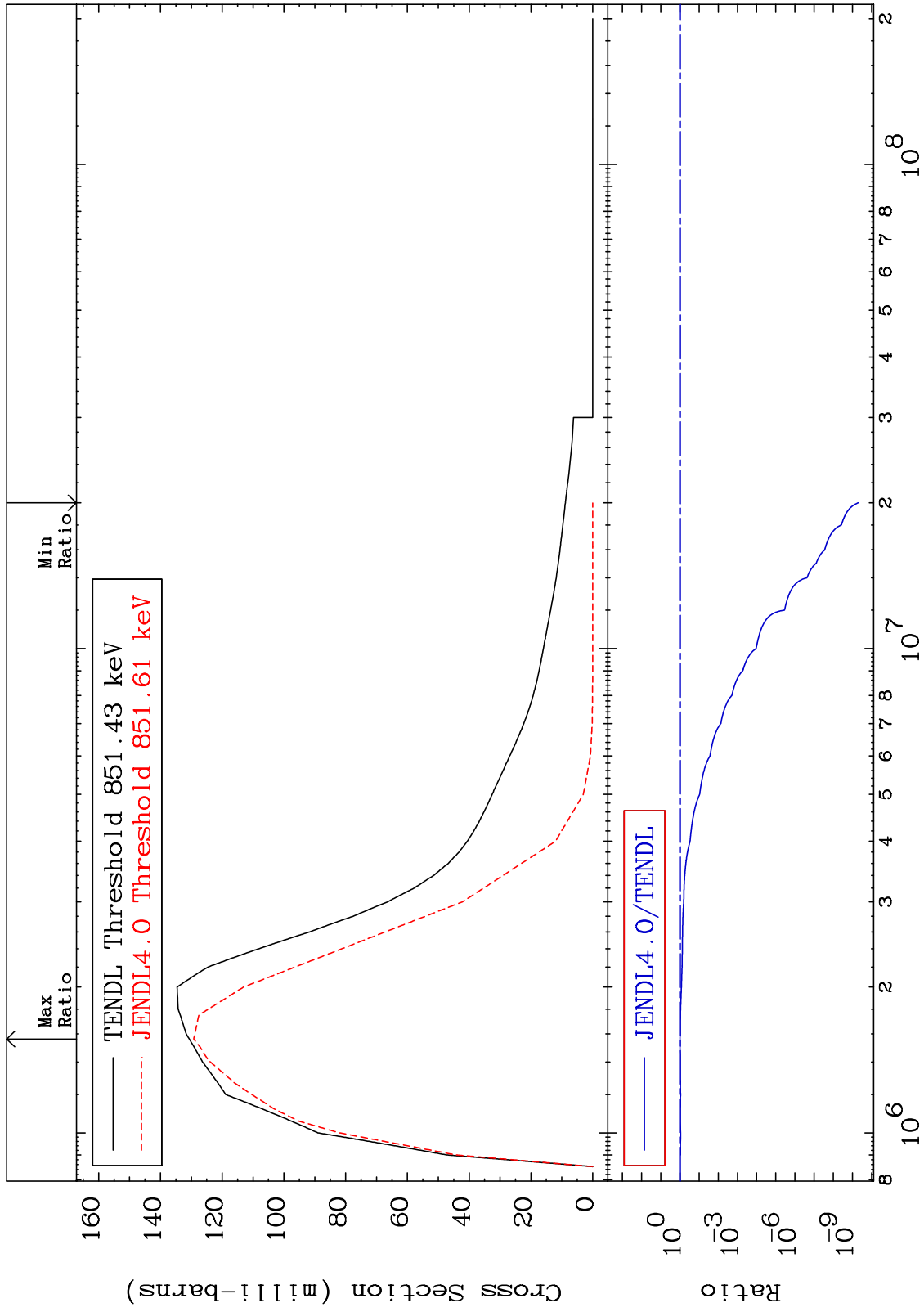
Incident Energy (eV)

53-I -129

MAT 5331

MT= 59 (n,n') Level
Cross Section

53-I -129
-100.0 To -1.102%



18

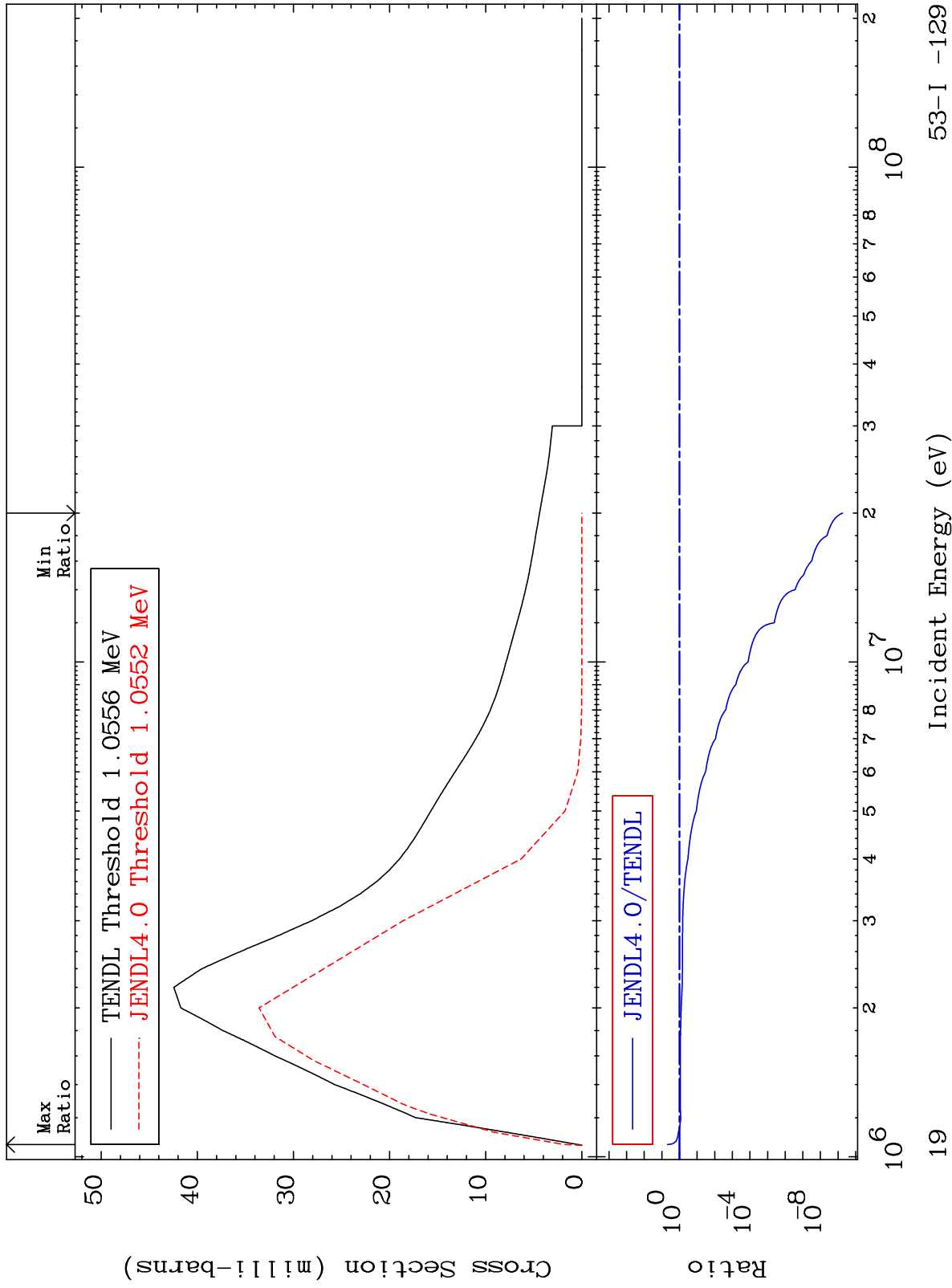
Incident Energy (eV)

53-I -129

MAT 5331

MT= 60 (n,n') Level
Cross Section

53-I -129
-100.0 To 376.0 %



53-I -129

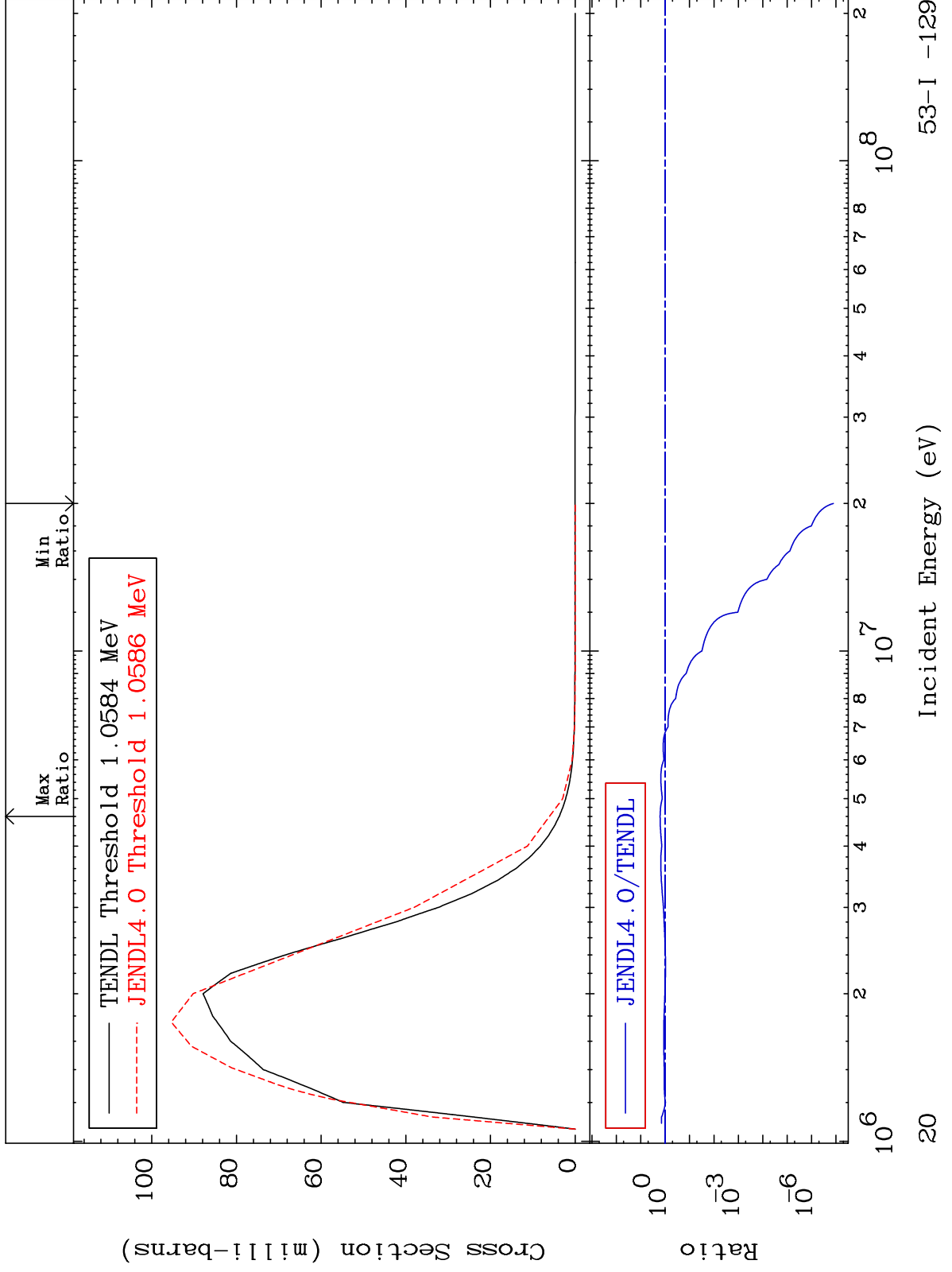
Incident Energy (eV)

19

MAT 5331

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

53-I -129
-100.0 To 61.04 %

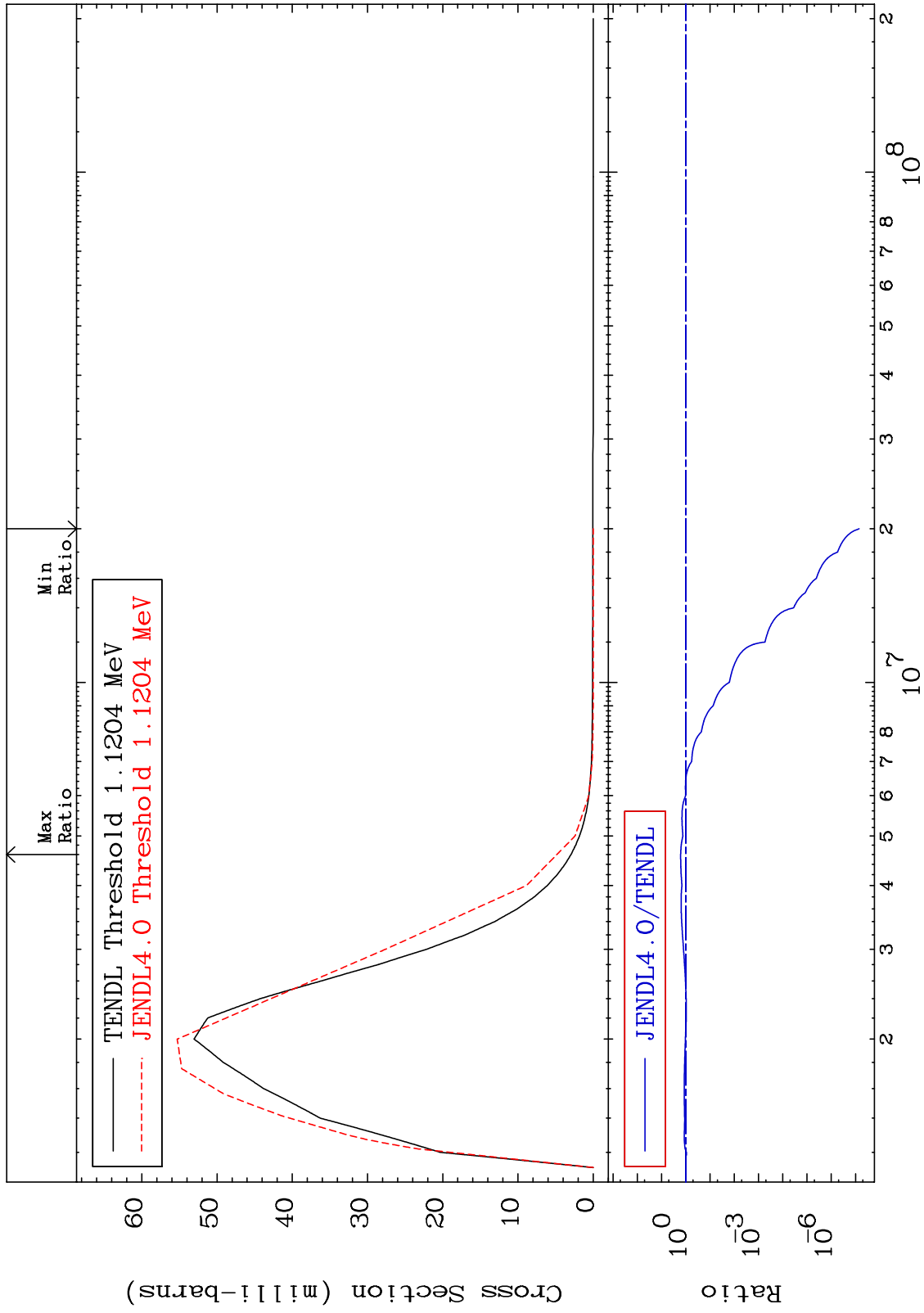


53-I -129

MAT 5331

MT= 62 (n, n') Level
Cross Section

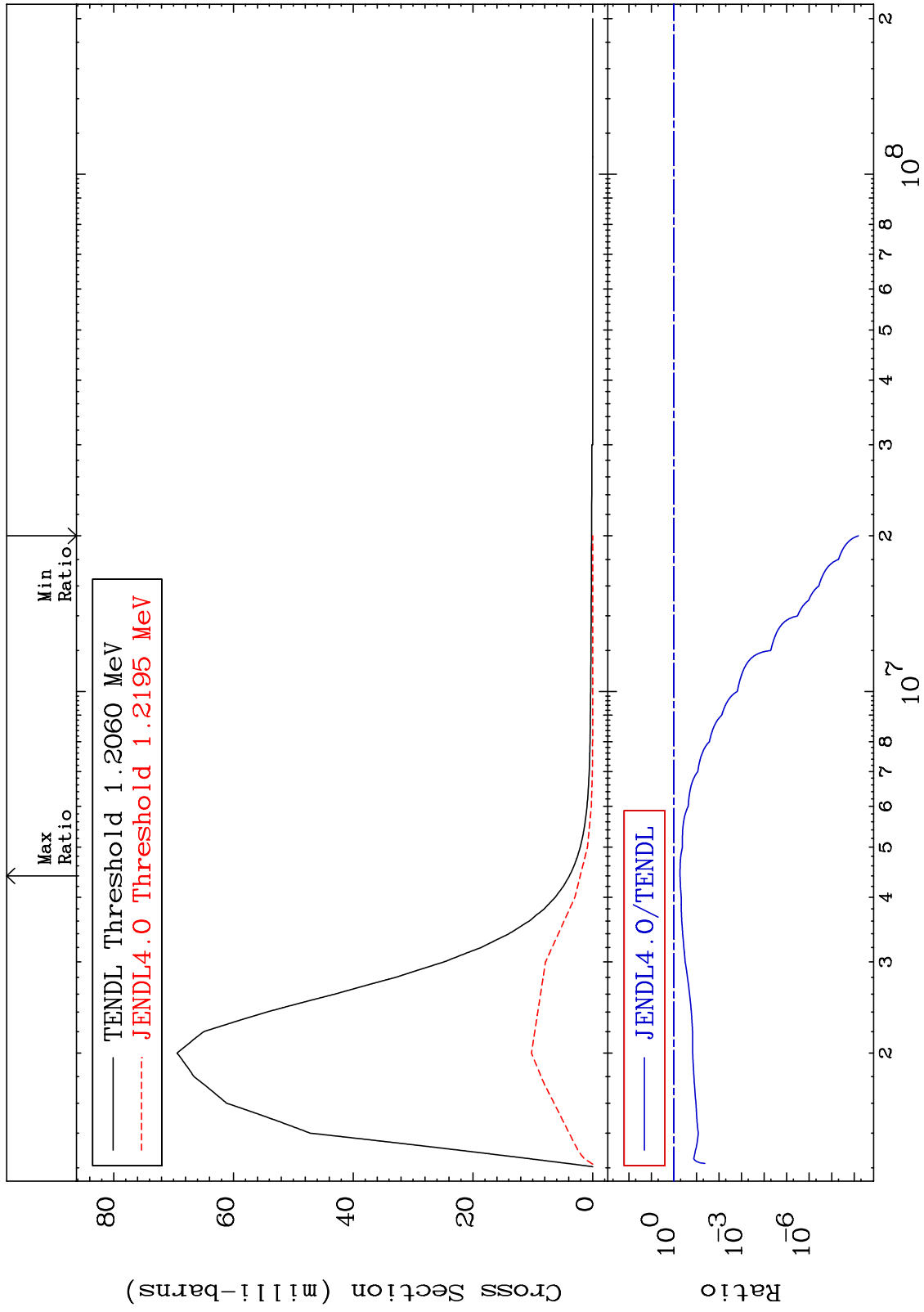
53-I -129
-100.0 To 63.48 %



MAT 5331

MT= 63 (n,n') Level
Cross Section

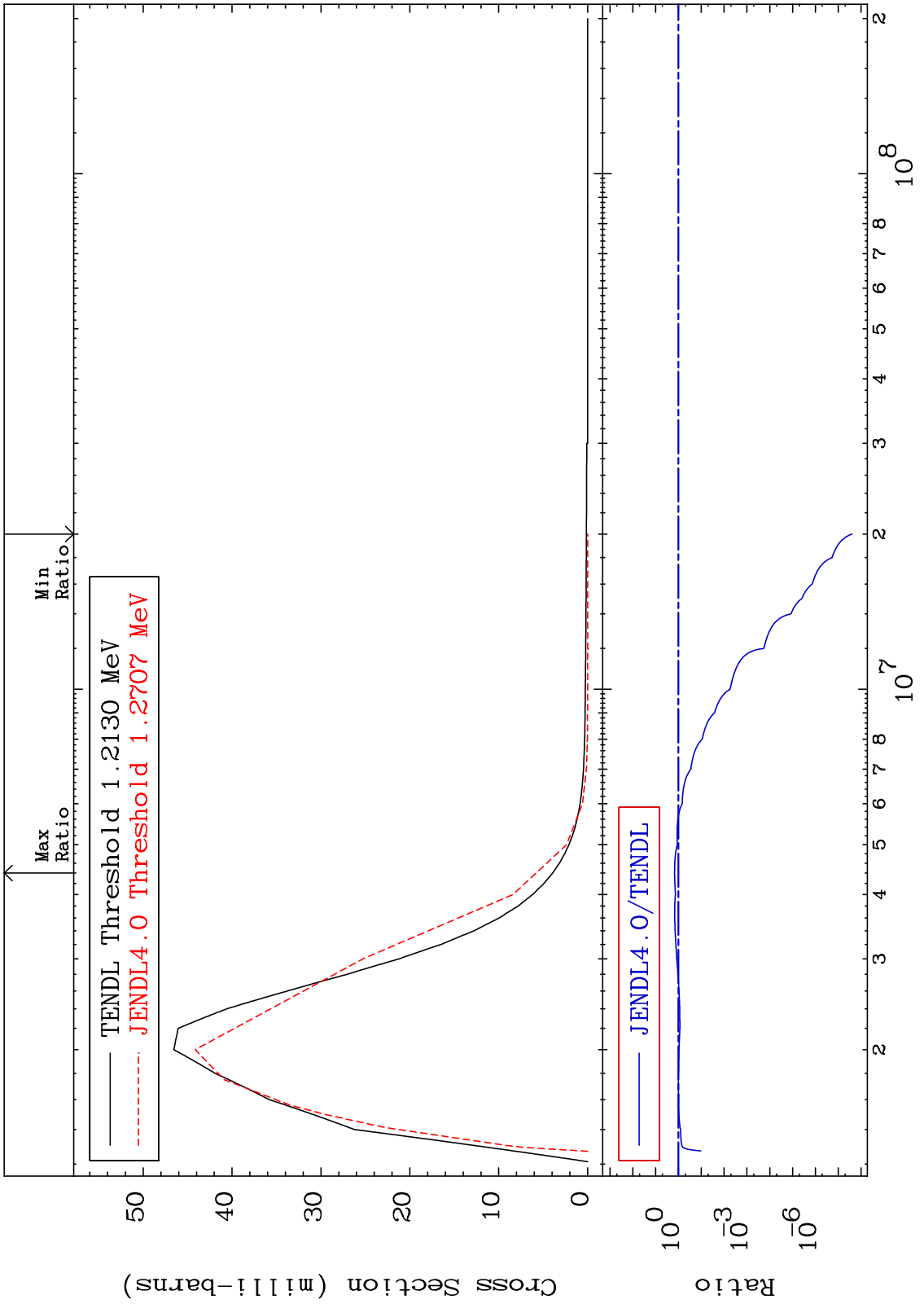
53-I -129
-100.0 To -46.47%



MAT 5331

MT= 64 (n,n') Level
Cross Section

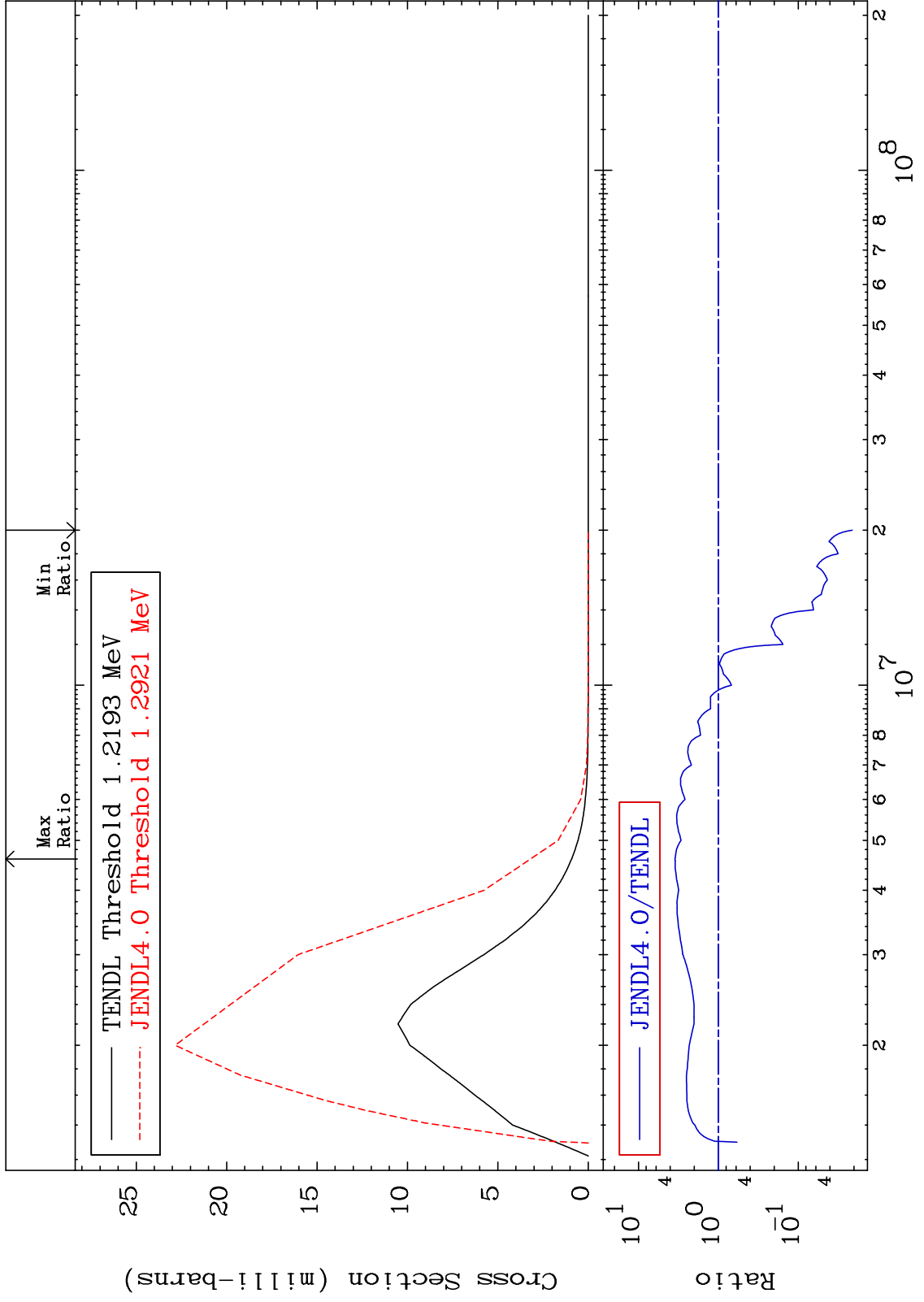
53-I -129
-100.0 To 47.25 %



MAT 5331

MT= 65 (n,n') Level
Cross Section

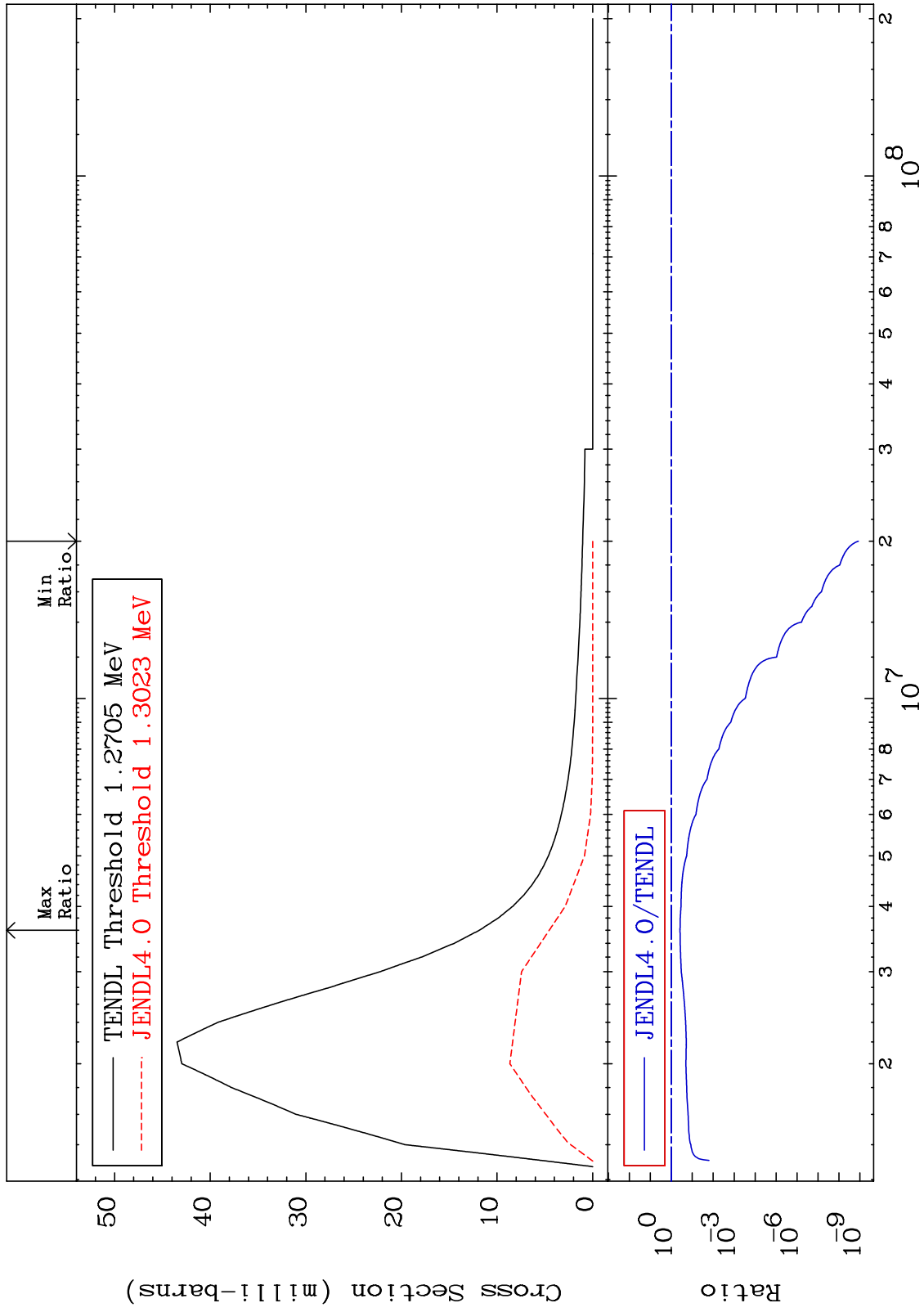
53-I -129
-97.90 To 248.5 %



MAT 5331

MT= 66 (n,n') Level
Cross Section

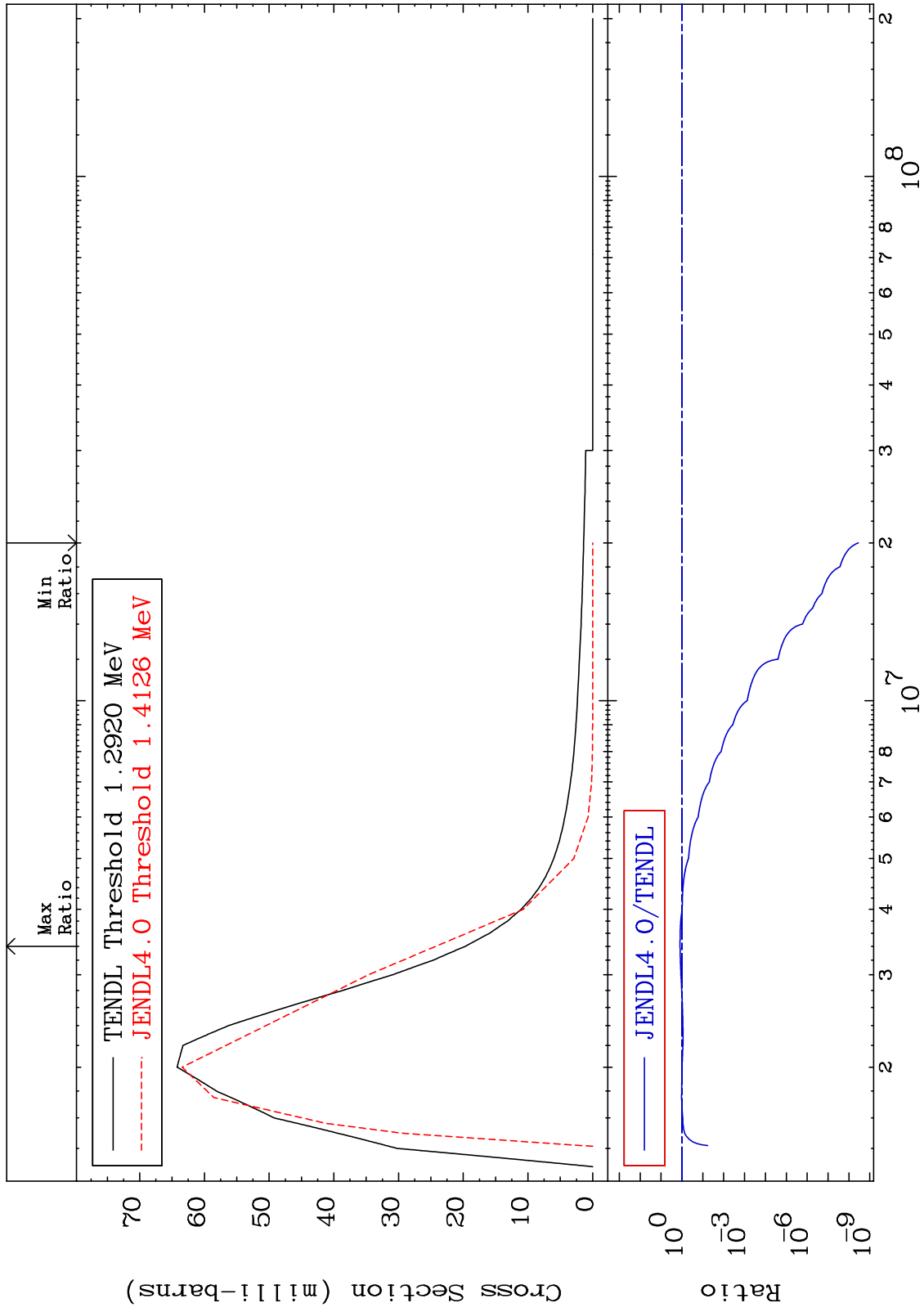
53-I -129
-100.0 To -61.64%



MAT 5331

MT= 67 (n, n') Level
Cross Section

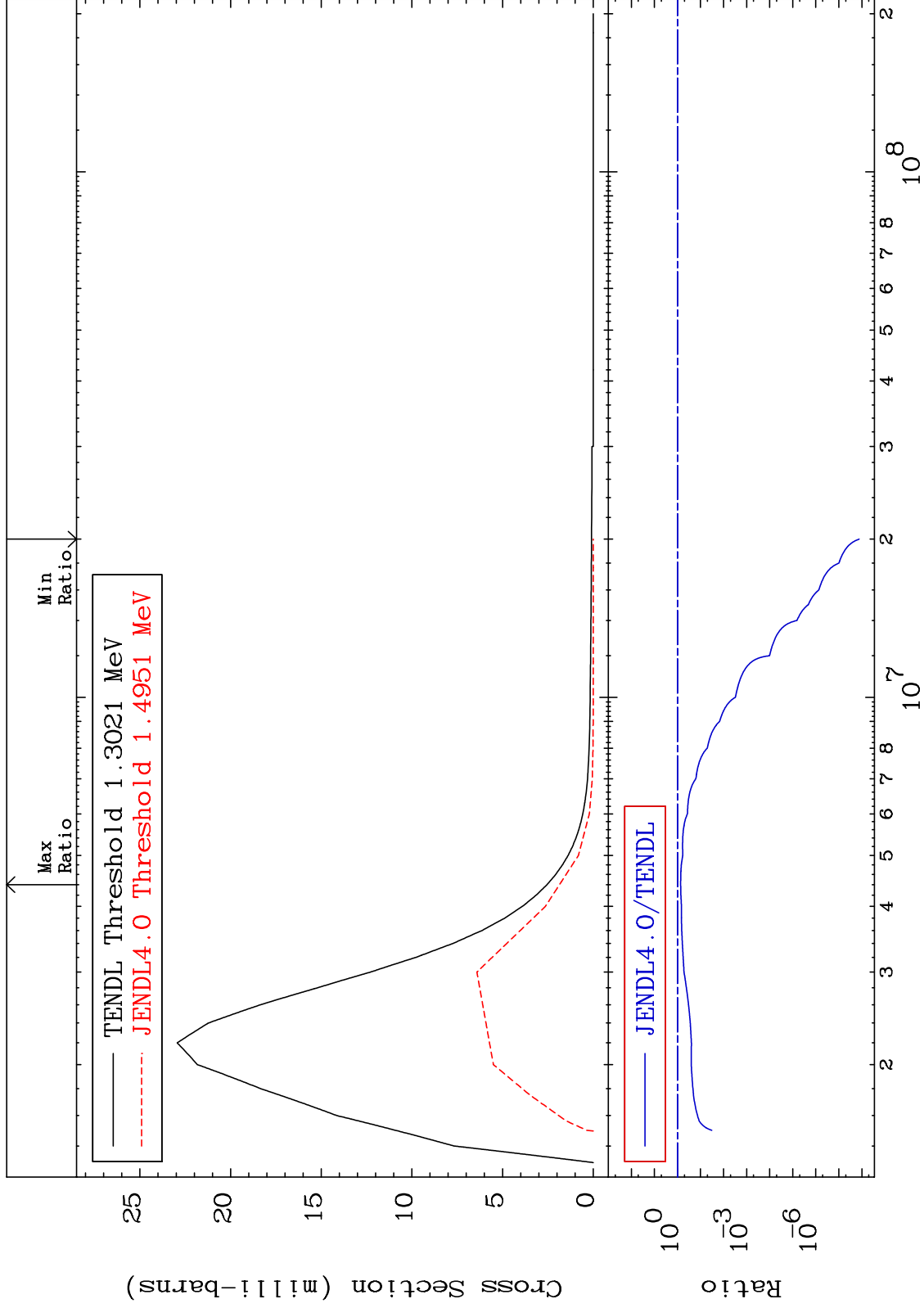
53-I -129
-100.0 To 23.15 %

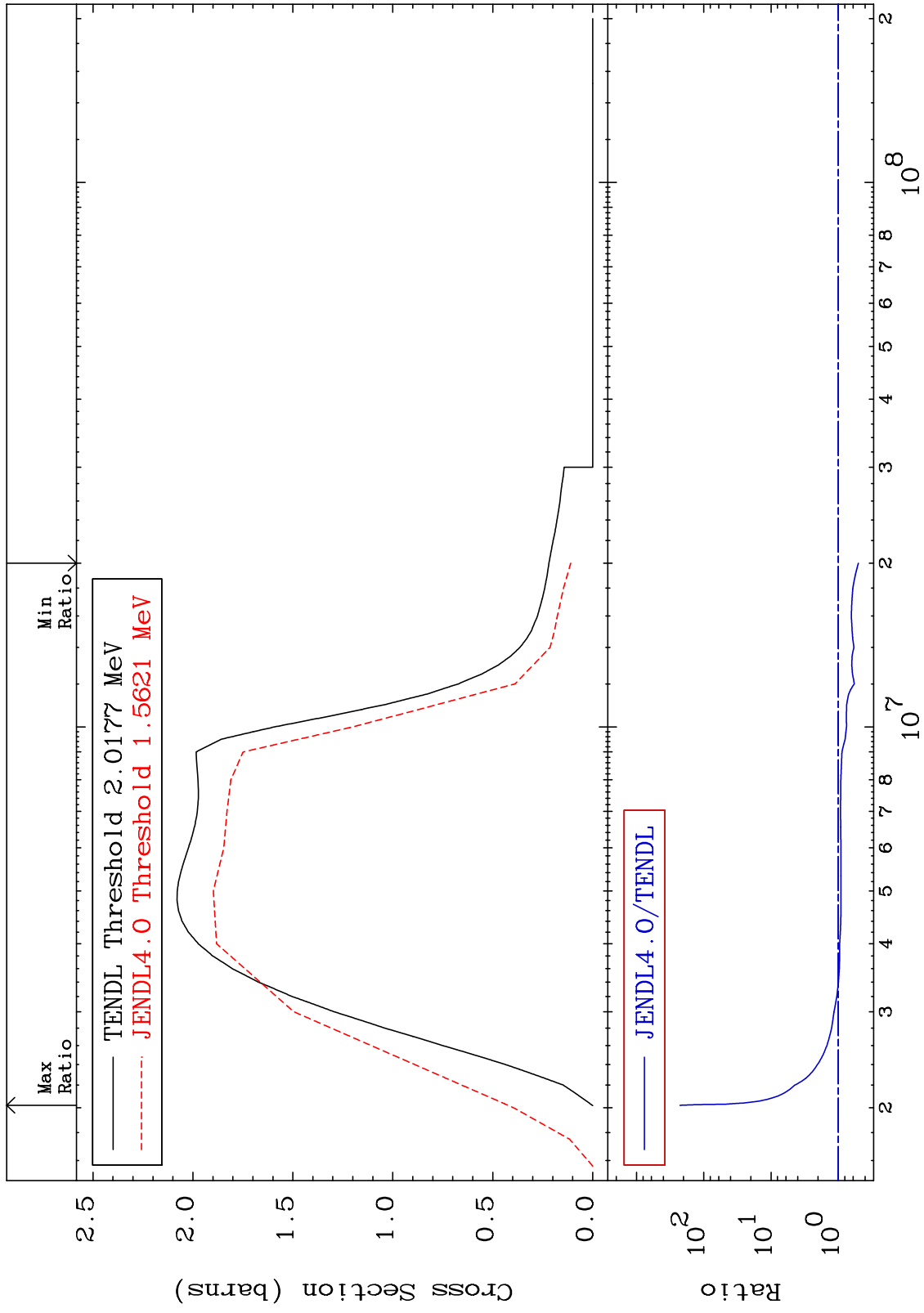


MAT 5331

MT= 68 (n,n') Level
Cross Section

53-I -129
-100.0 To -26.98%

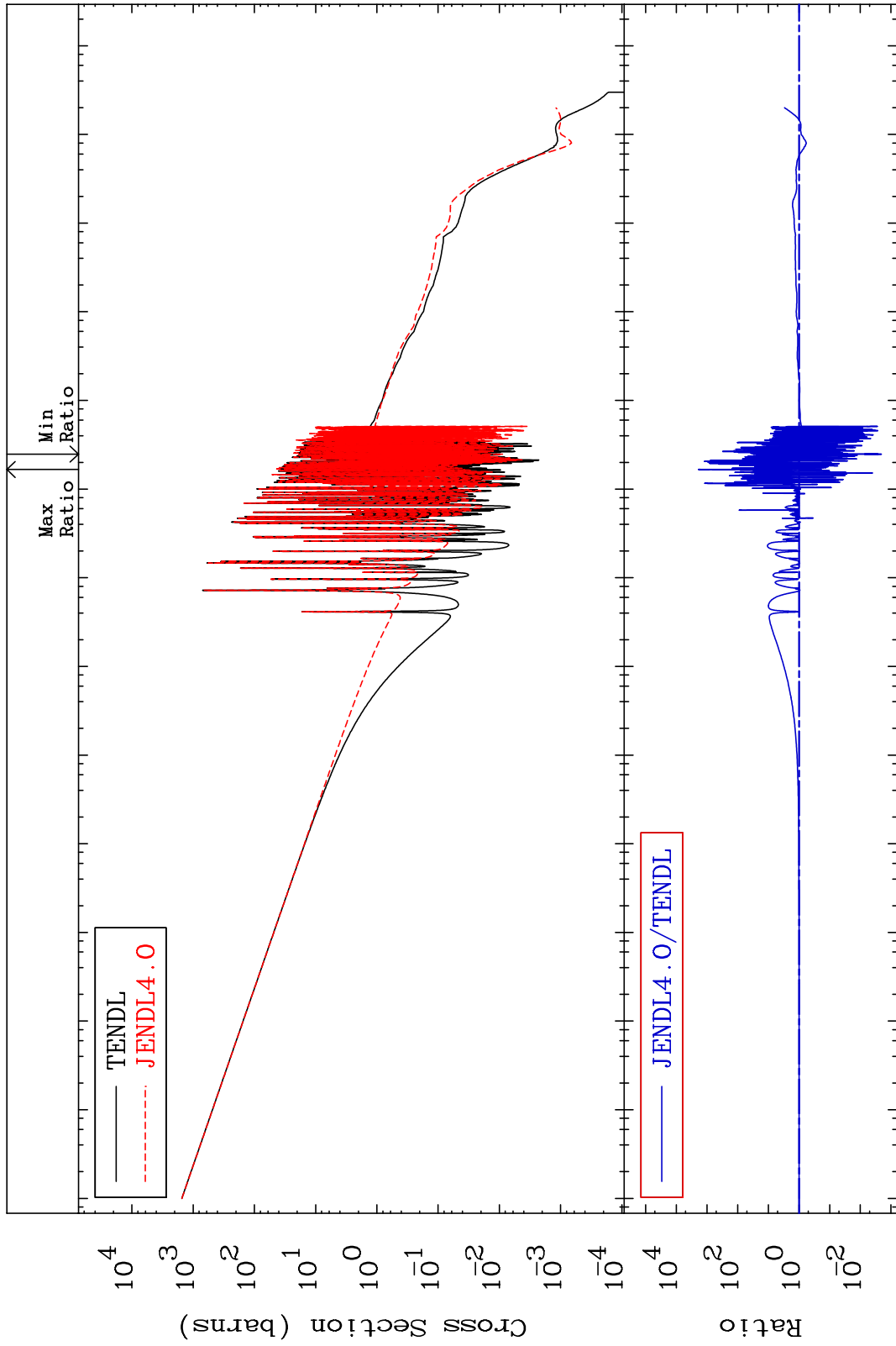




MAT 5331

(n, γ)
Cross Section

53-I -129
-99.80 To 9999. %



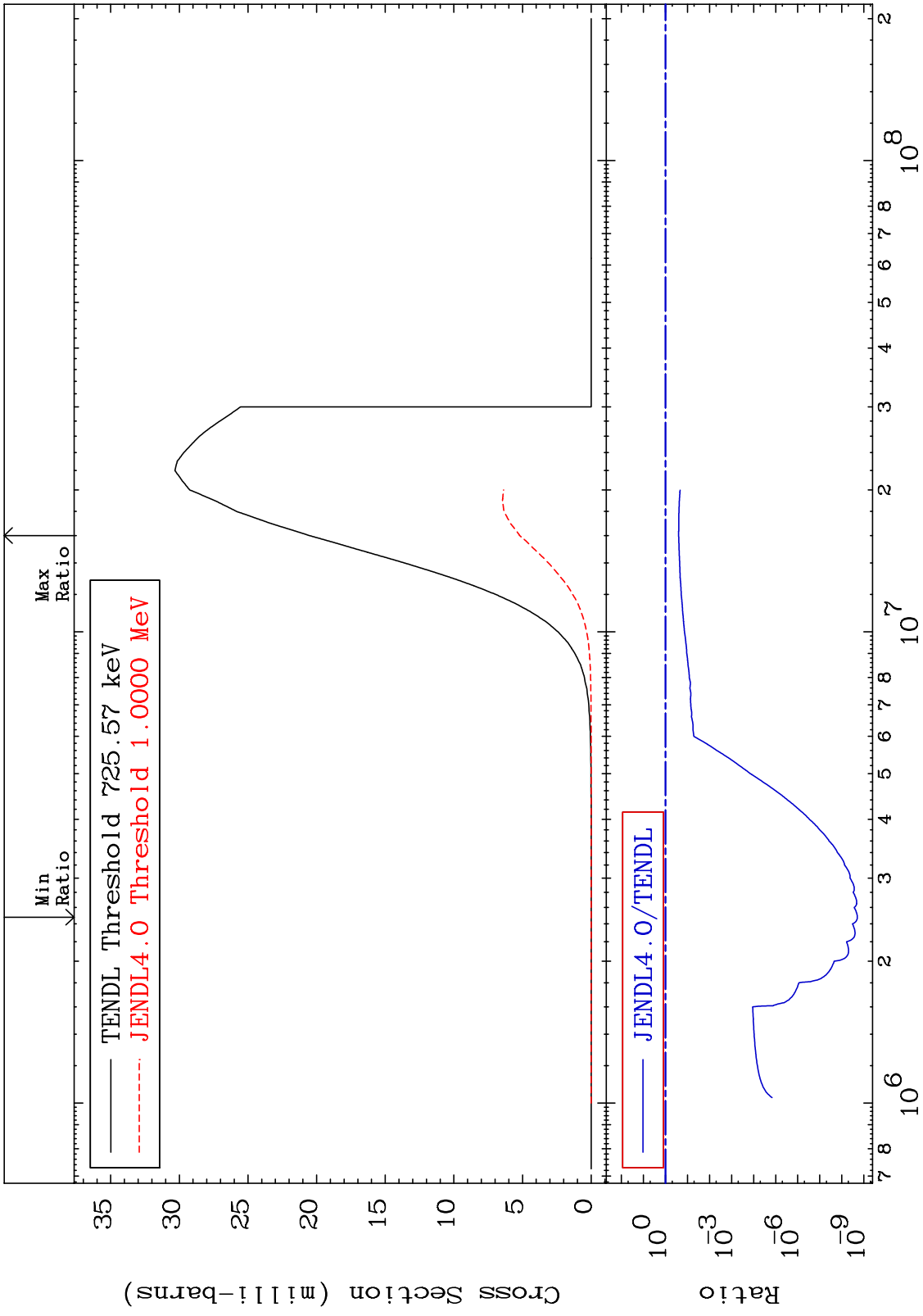
MAT 5331

(n, p)

53-I -129

Cross Section

-100.0 To -74.64%



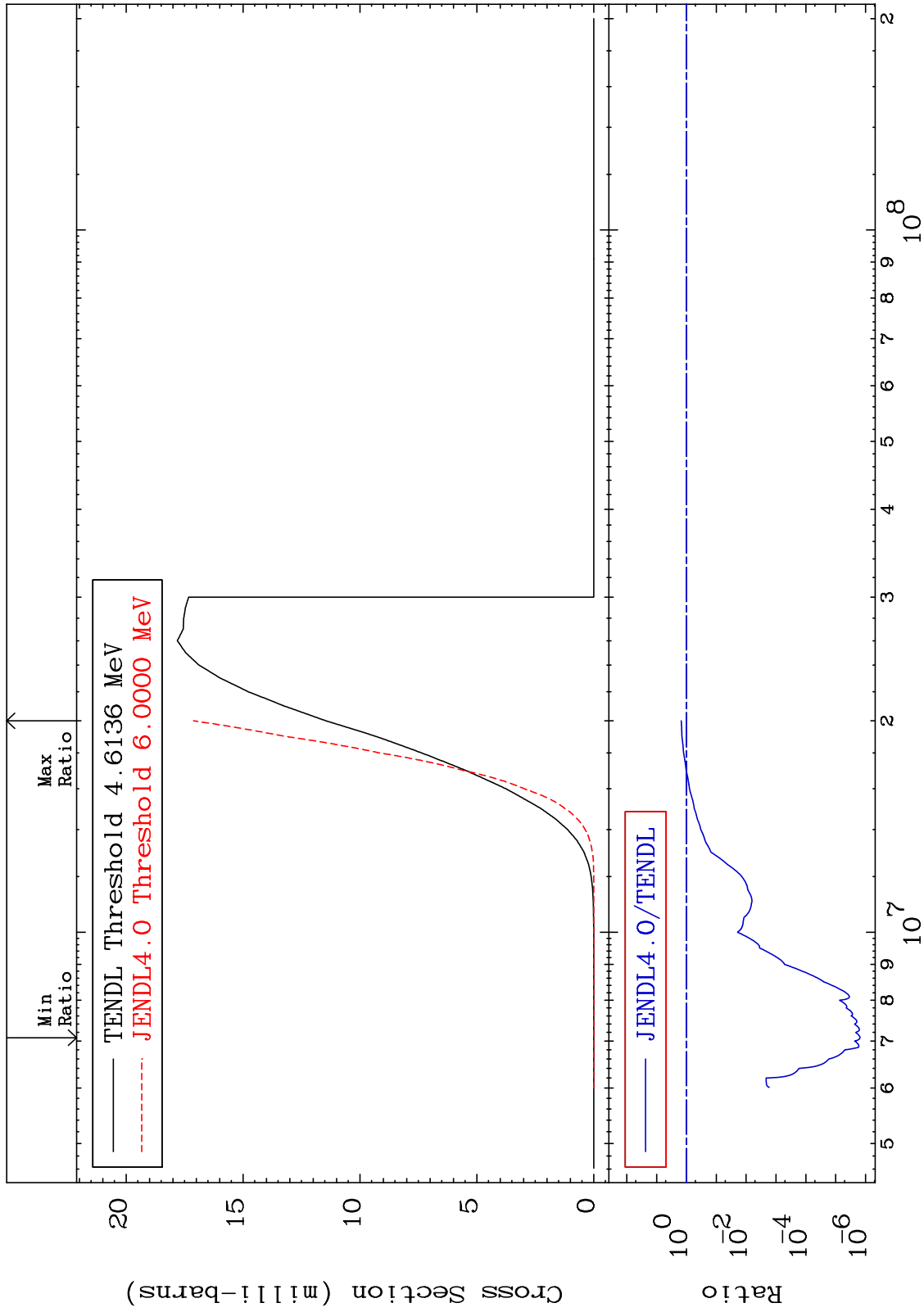
30

Incident Energy (eV)

53-I -129

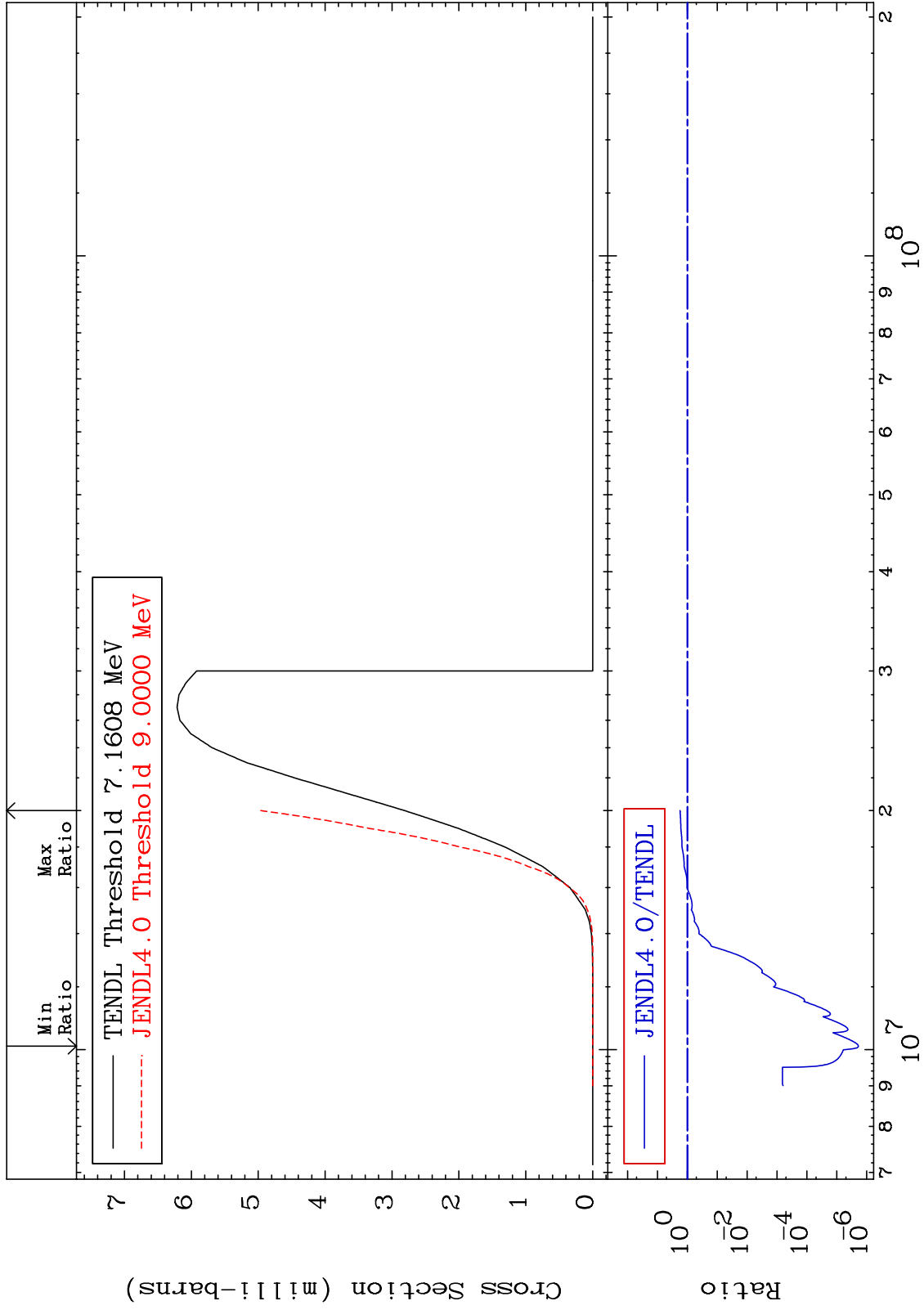
Cross Section

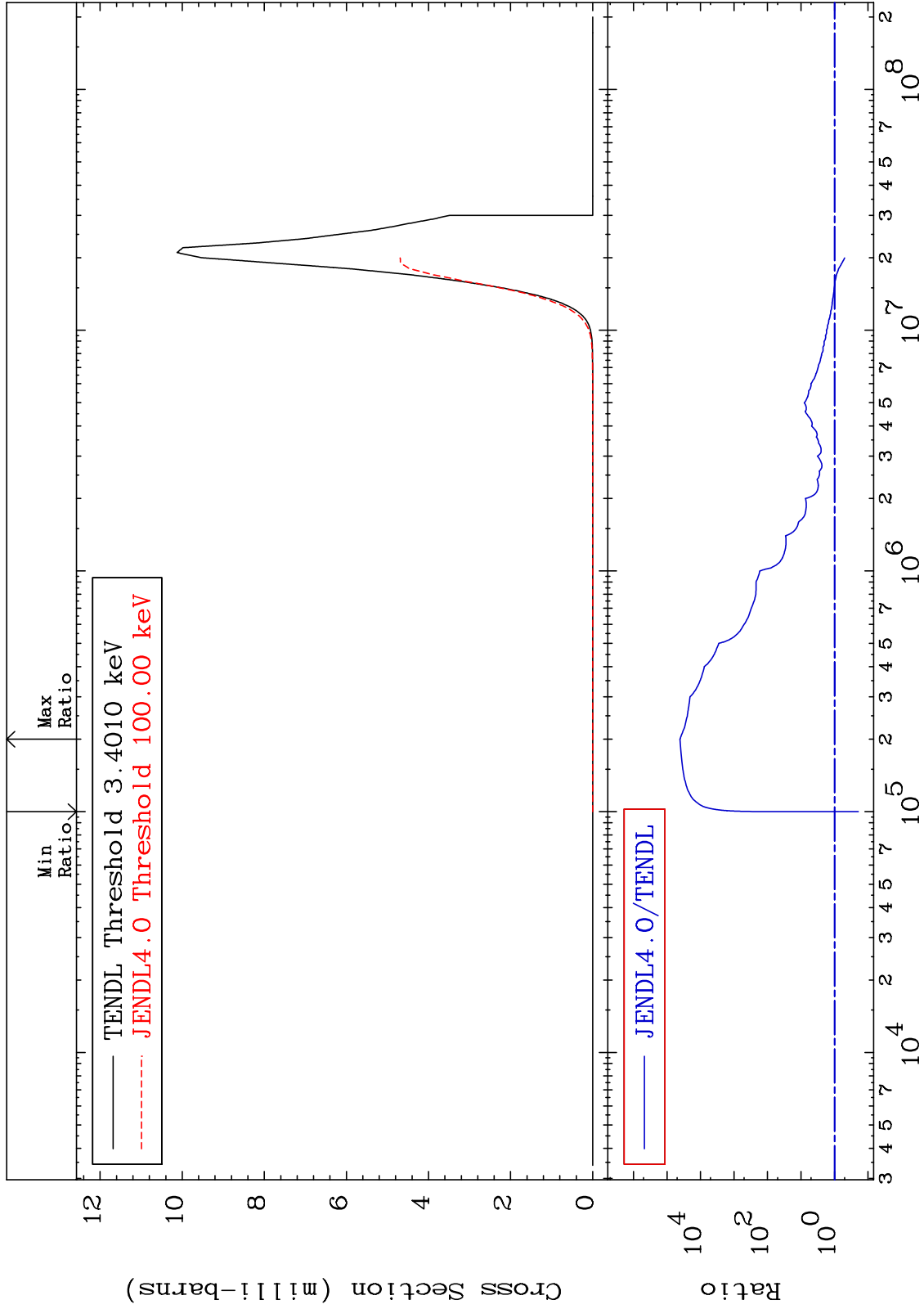
-100.0 To 49.37 %



Cross Section

-100.0 To 76.58 %

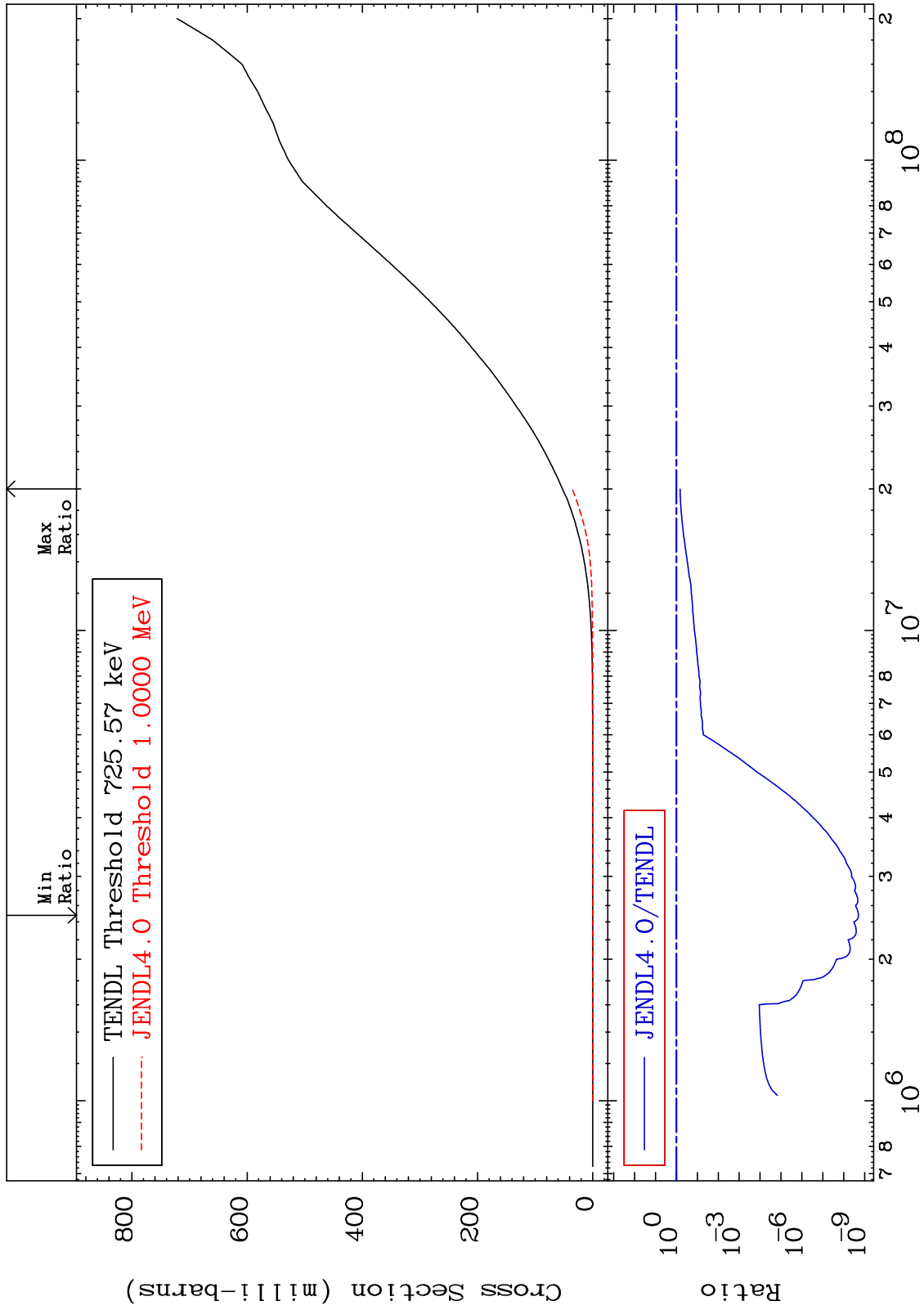




MAT 5331

Hydrogen Production
Cross Section

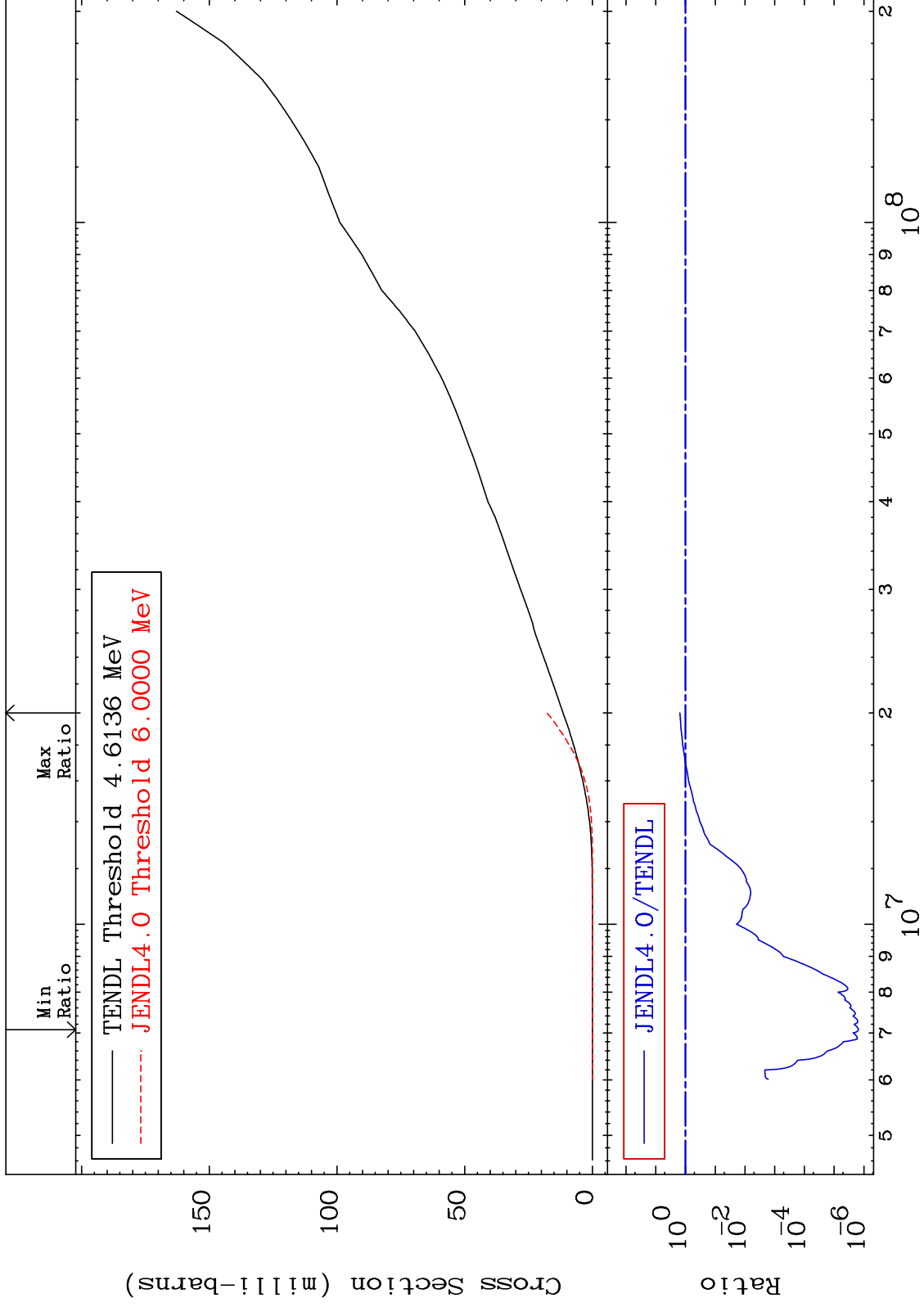
53-I -129
-100.0 To -32.43%



MAT 5331

Deuterium Production
Cross Section

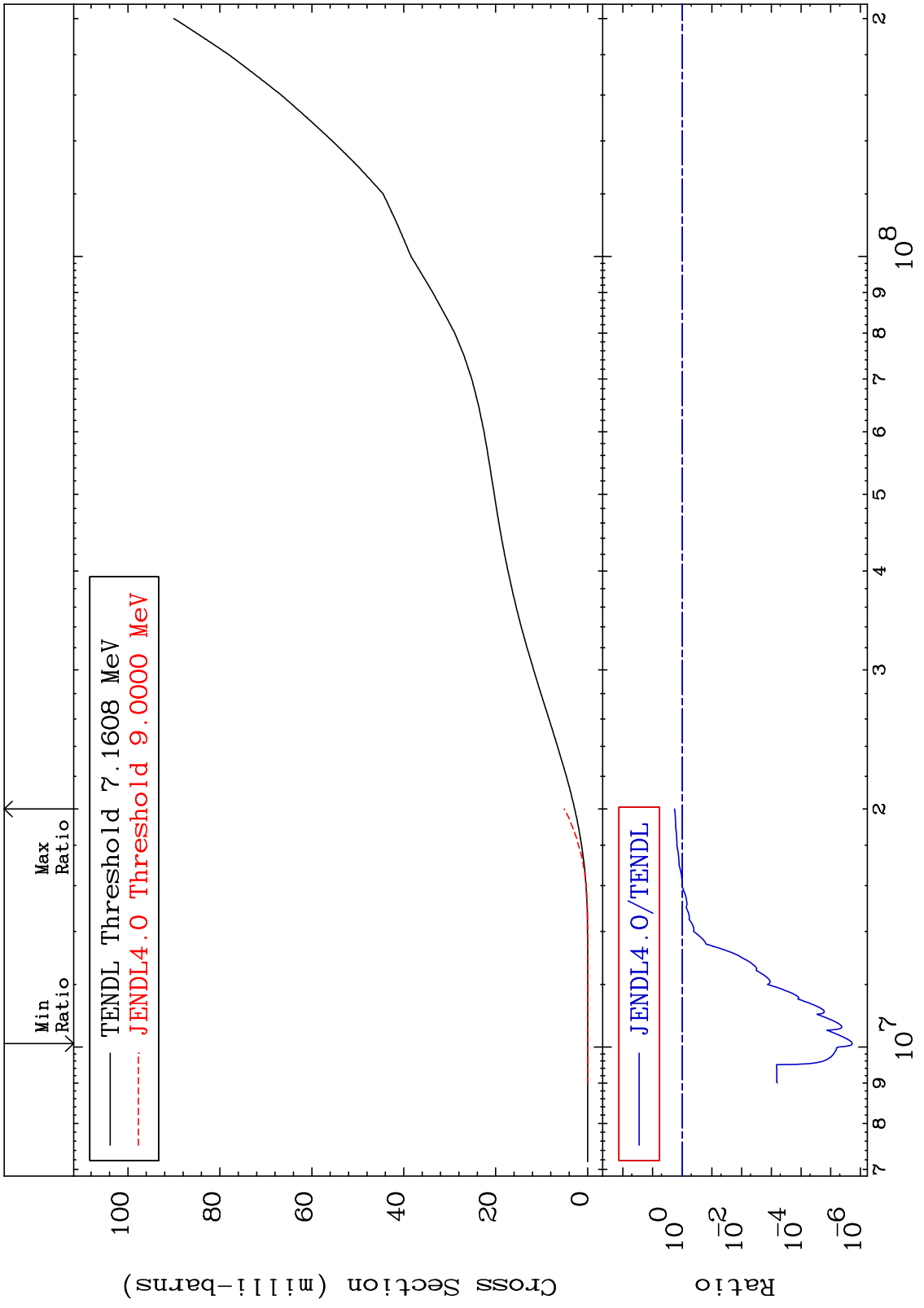
53-I -129
-100.0 To 55.45 %

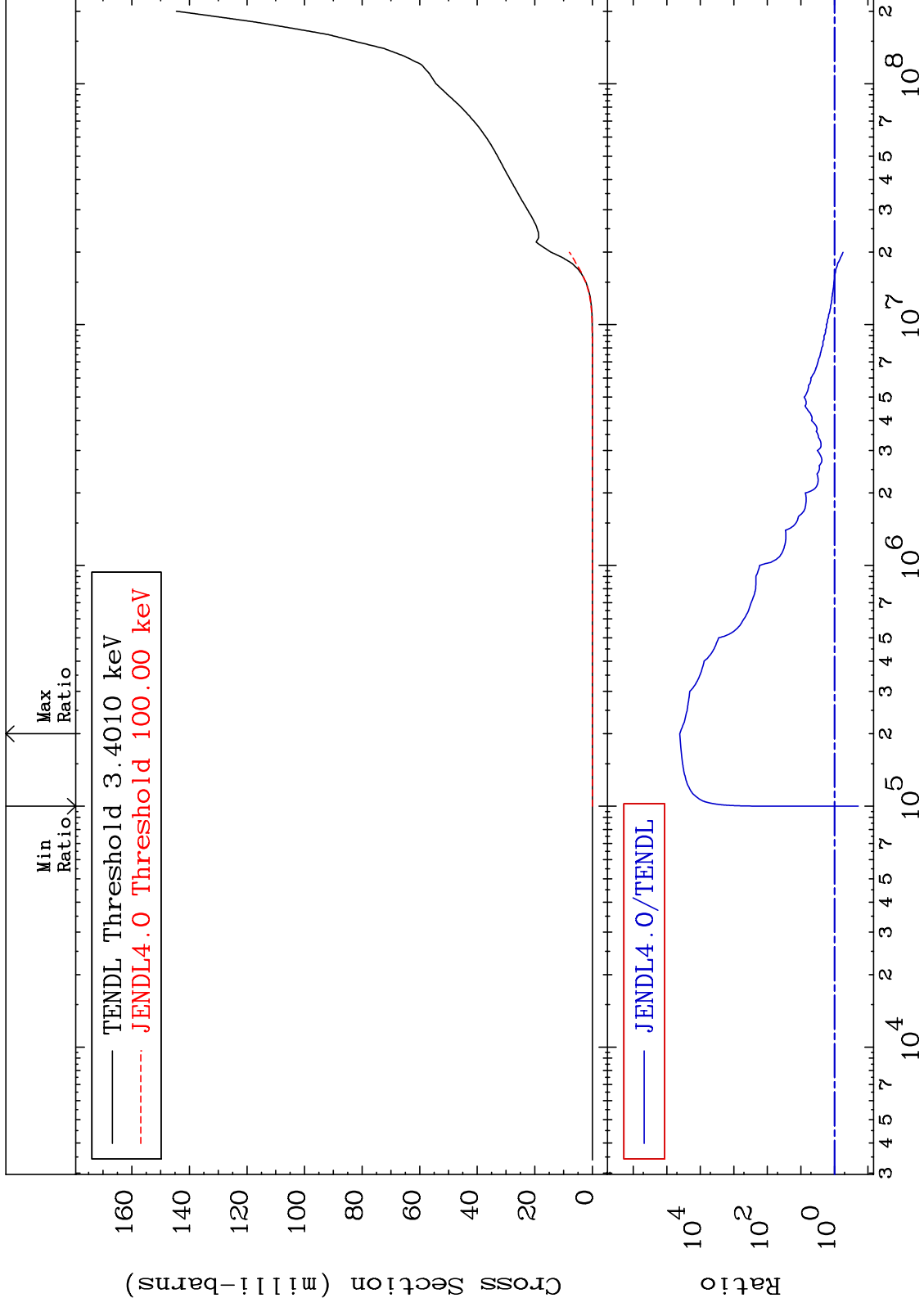


35

Incident Energy (eV)

53-I -129

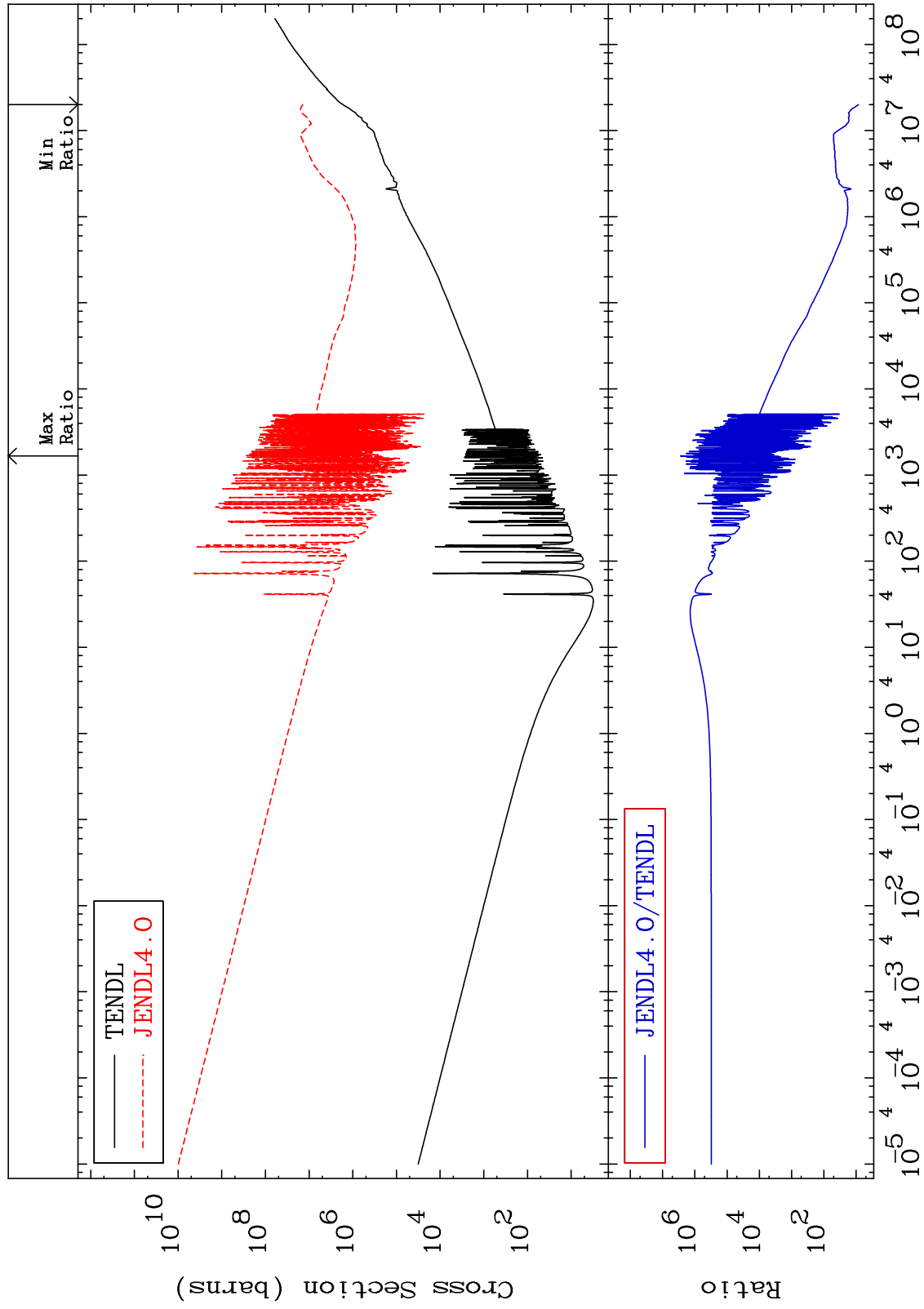




MAT 5331

Kerma total (eV-barns)
Cross Section

53-I -129
740.8 To 9999. %



38

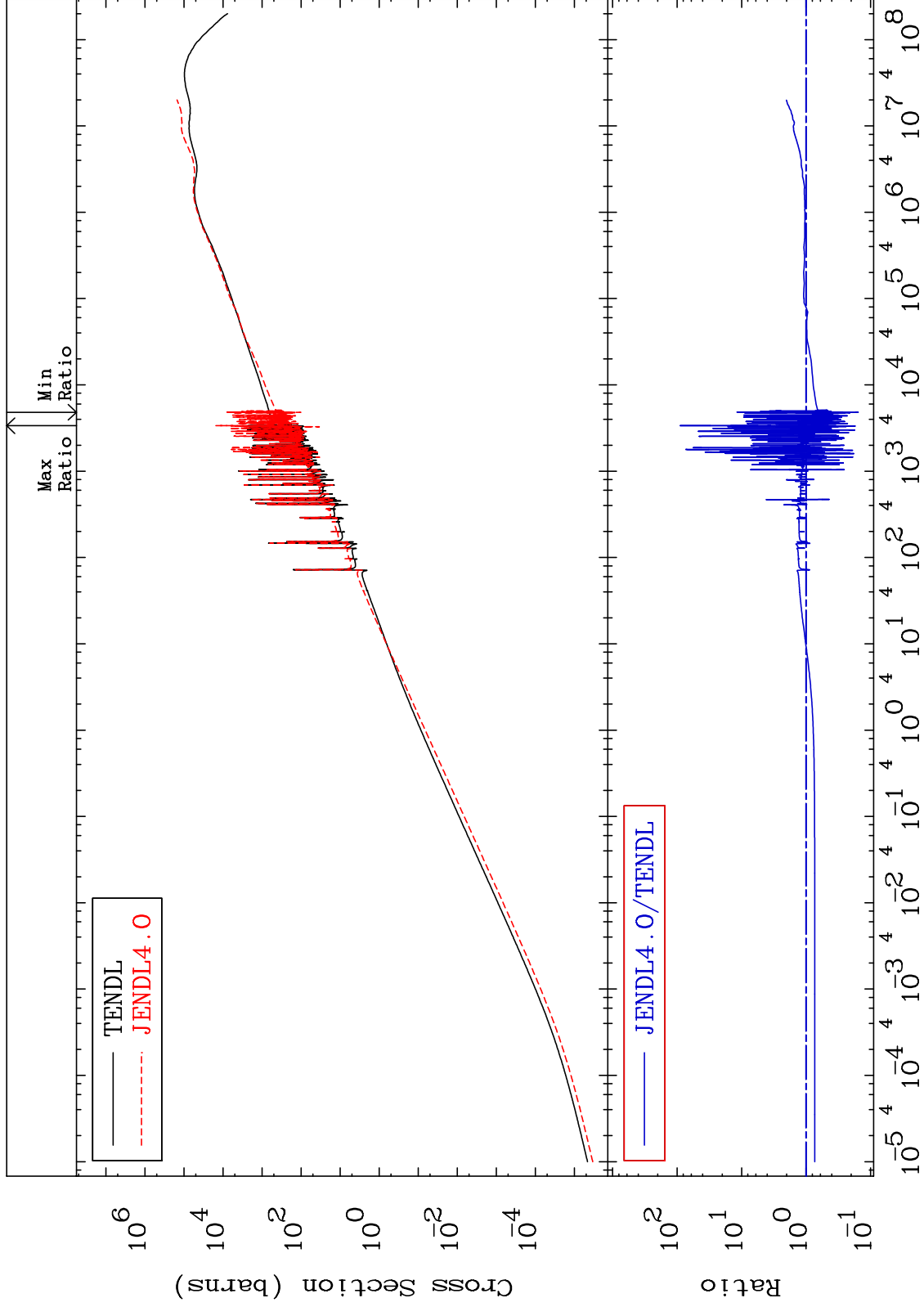
Incident Energy (eV)

53-I -129

MAT 5331

Kerma elastic
Cross Section

53-I -129
-84.53 To 8896. %



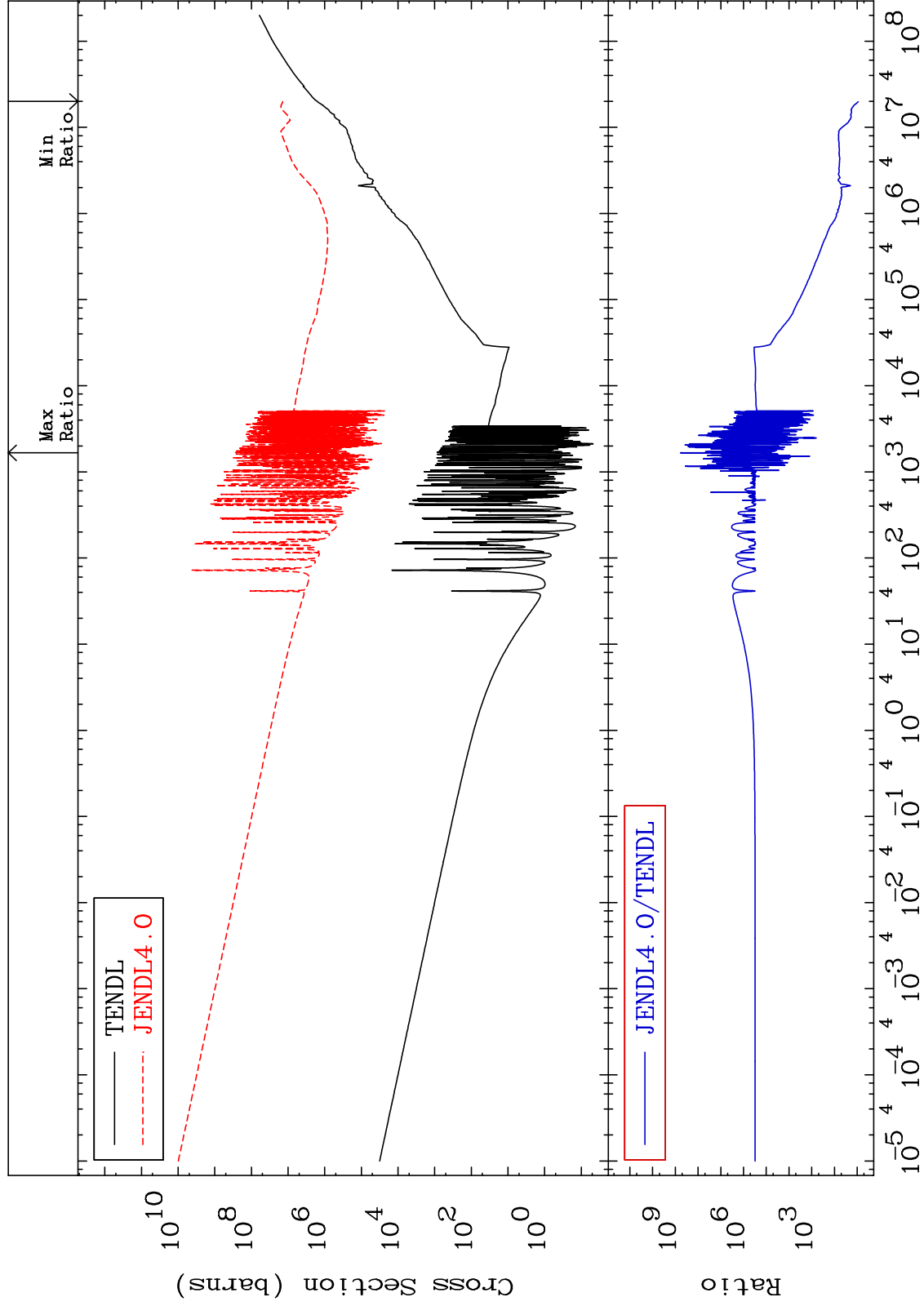
— TENDL
- - - JENDL4.0

— JENDL4.0/TENDL

MAT 5331

Kerma non-elastic (all but mt2)
Cross Section

53-I -129
770.5 To 9999. %



40

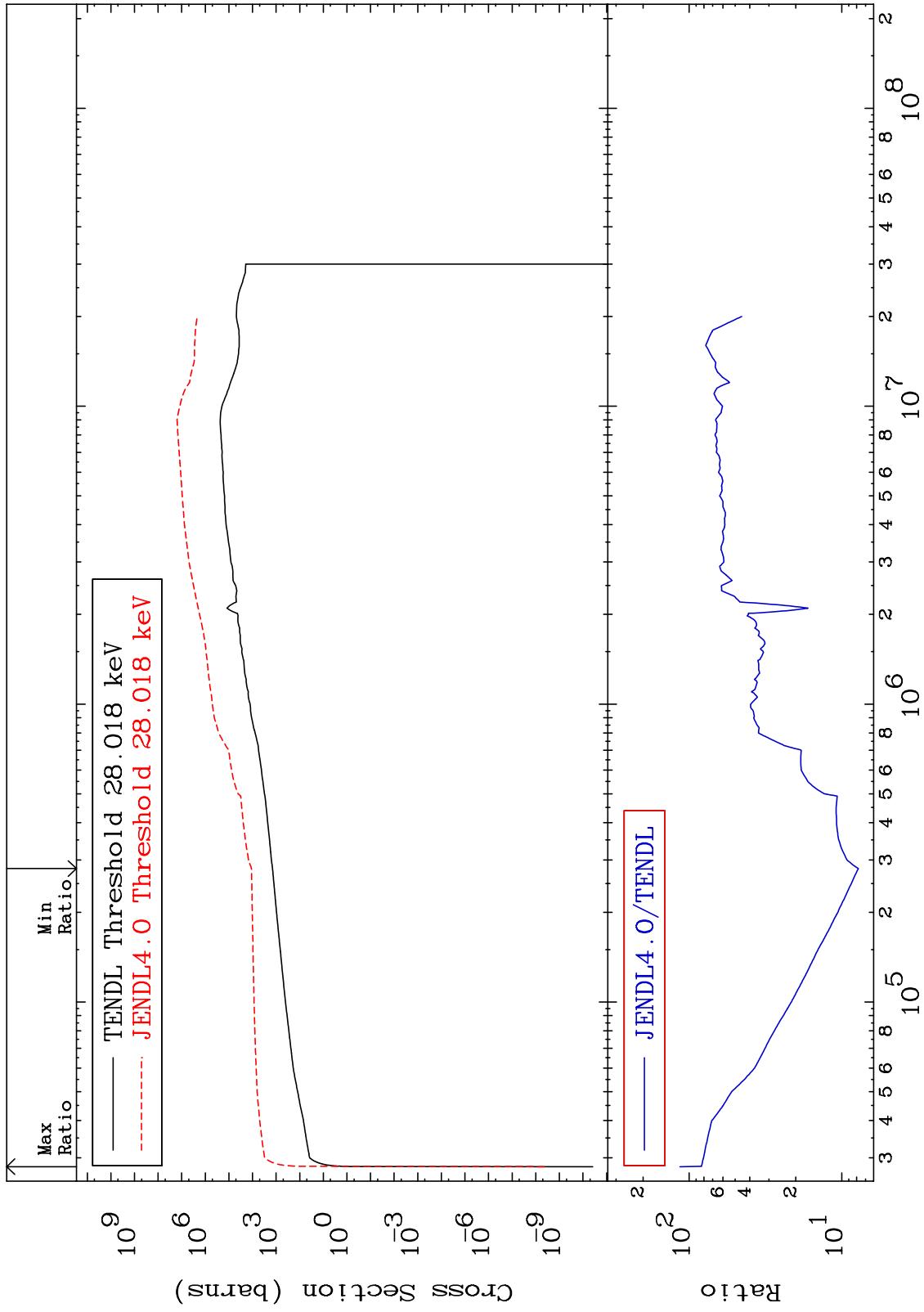
Incident Energy (eV)

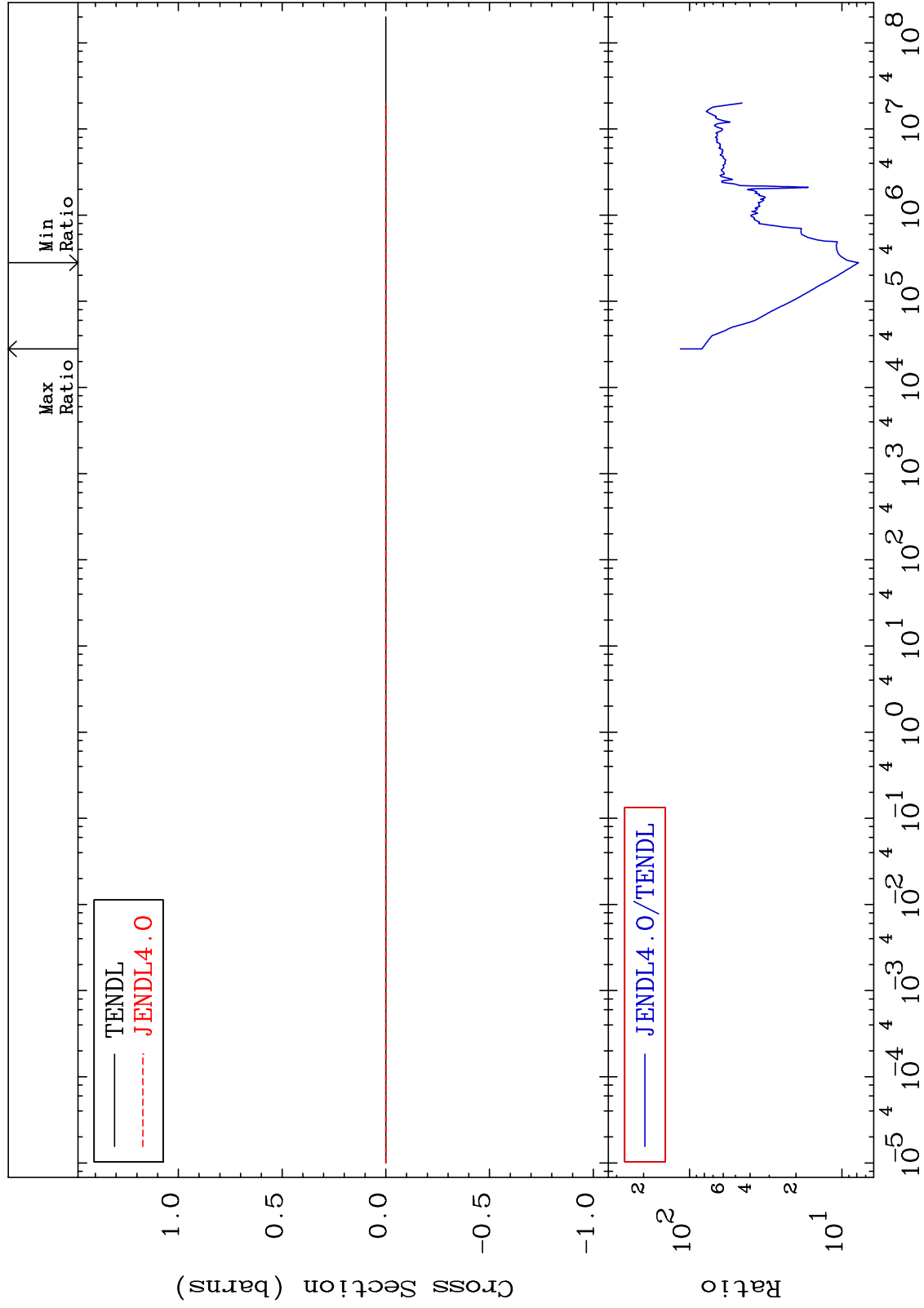
53-I -129

MAT 5331

Kerma inelastic (mt51-91)
Cross Section

53-I -129
678.7 To 9999. %

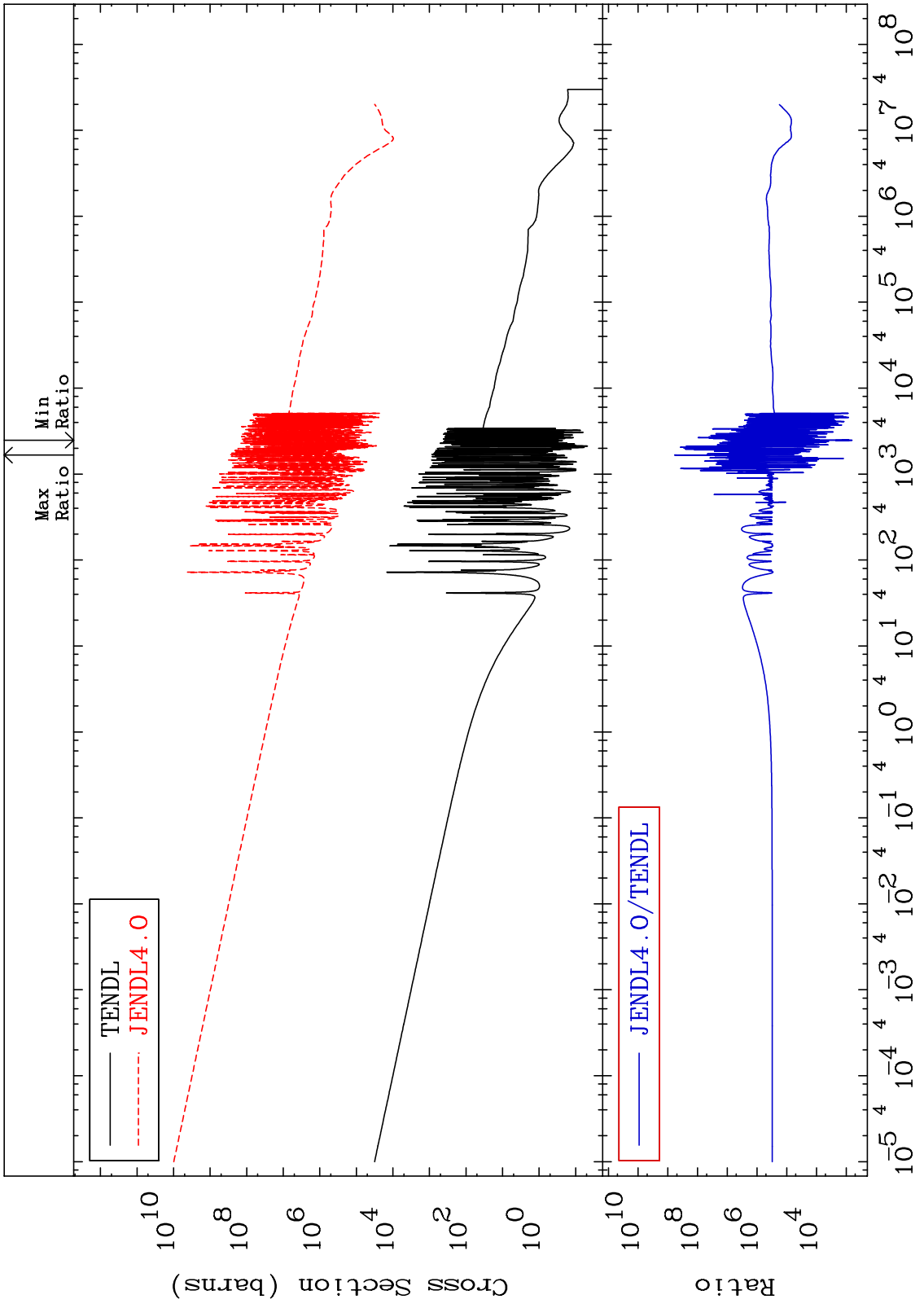




MAT 5331

Kerma capture (mt102)
Cross Section

53-I -129
9999. To 9999. %

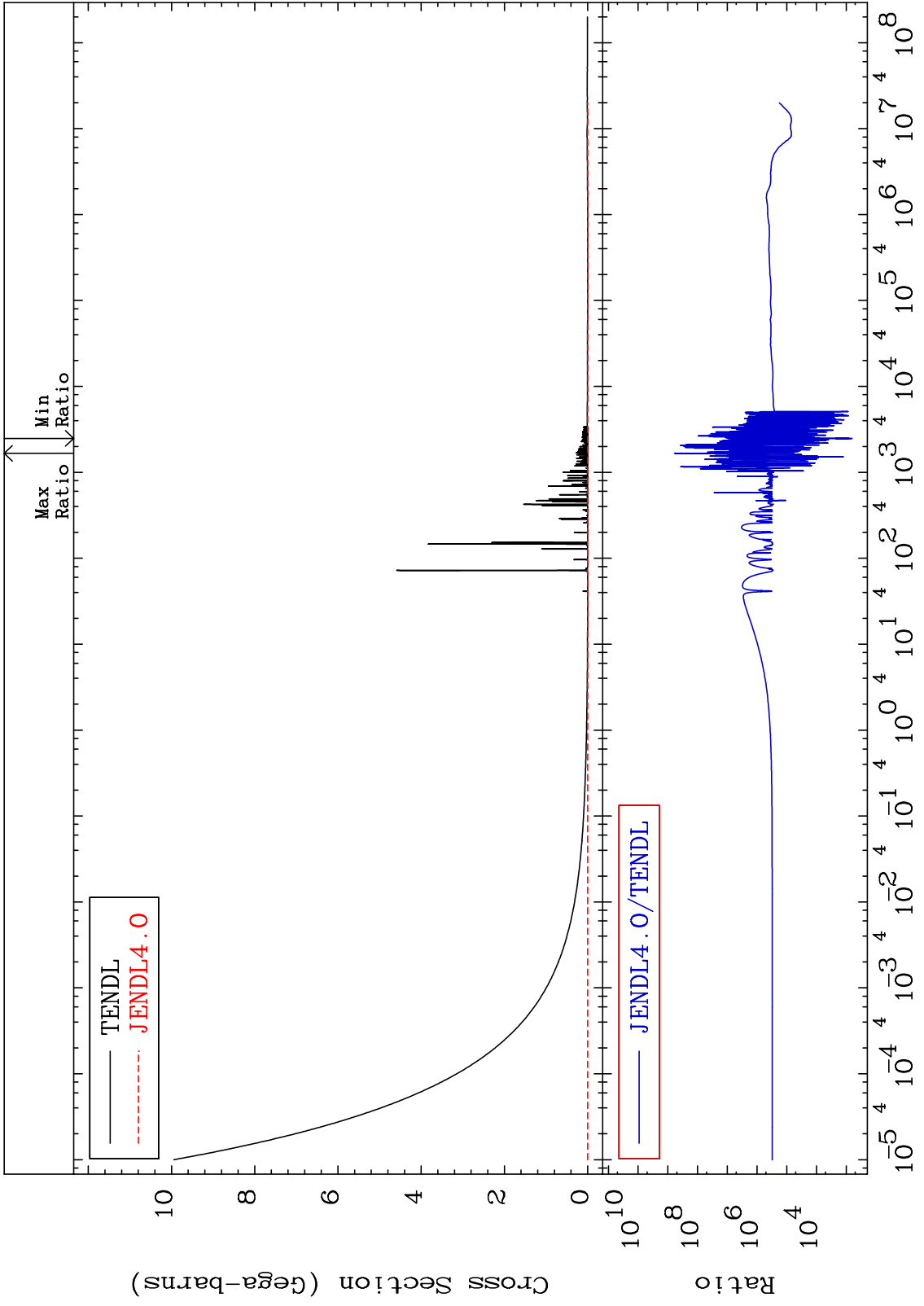


MAT 5331

Total photon (eV-barns)
Cross Section

53-I -129

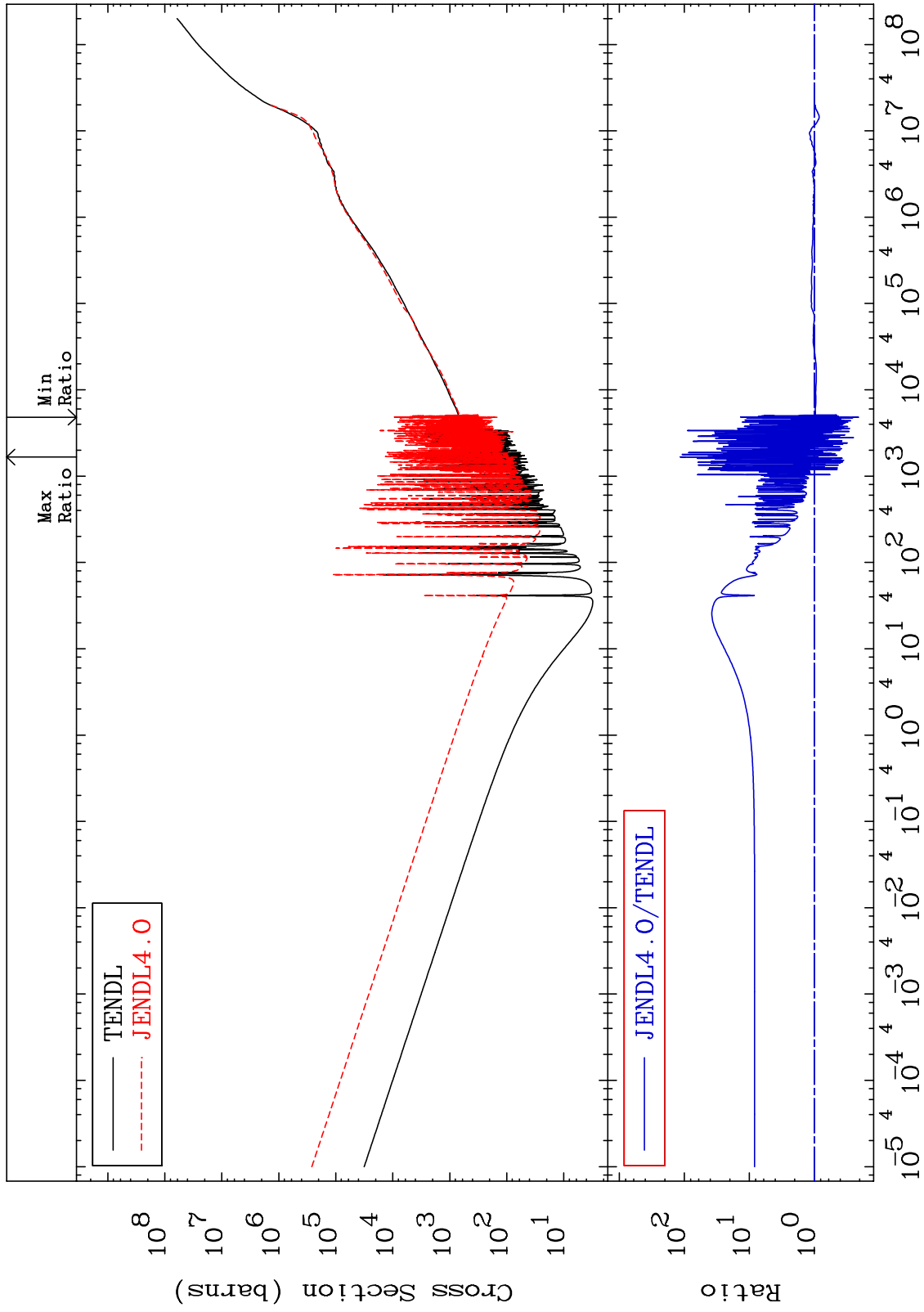
9999. To 9999. %



MAT 5331

Total kinematic kerma (high limit)
Cross Section

53-I -129
-79.03 To 9999. %



45

Incident Energy (eV)

53-I -129

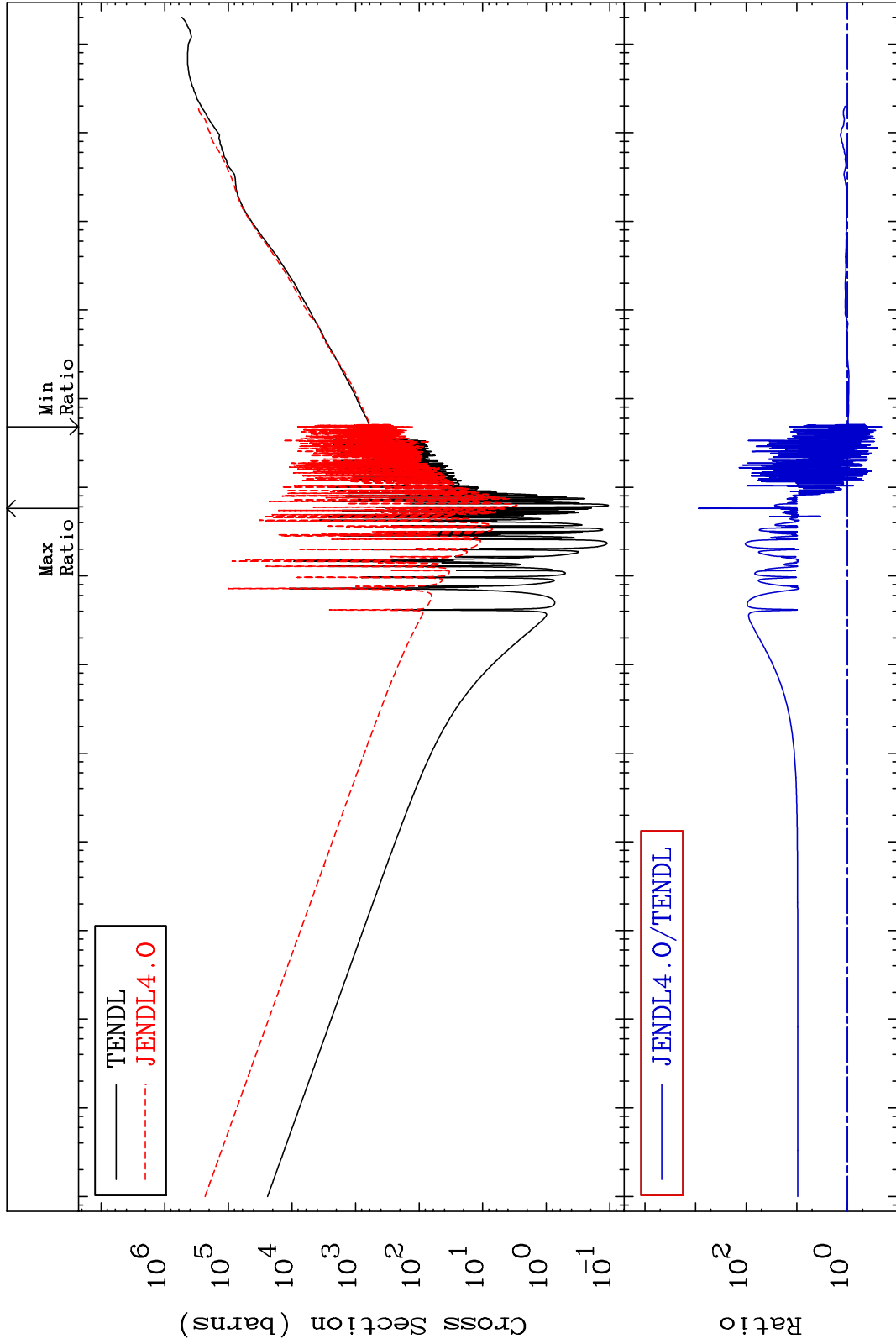
MAT 5331

Dpa total (eV-barns)

53-I -129

-78.80 To 9999. %

Cross Section



10⁶
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Ratio

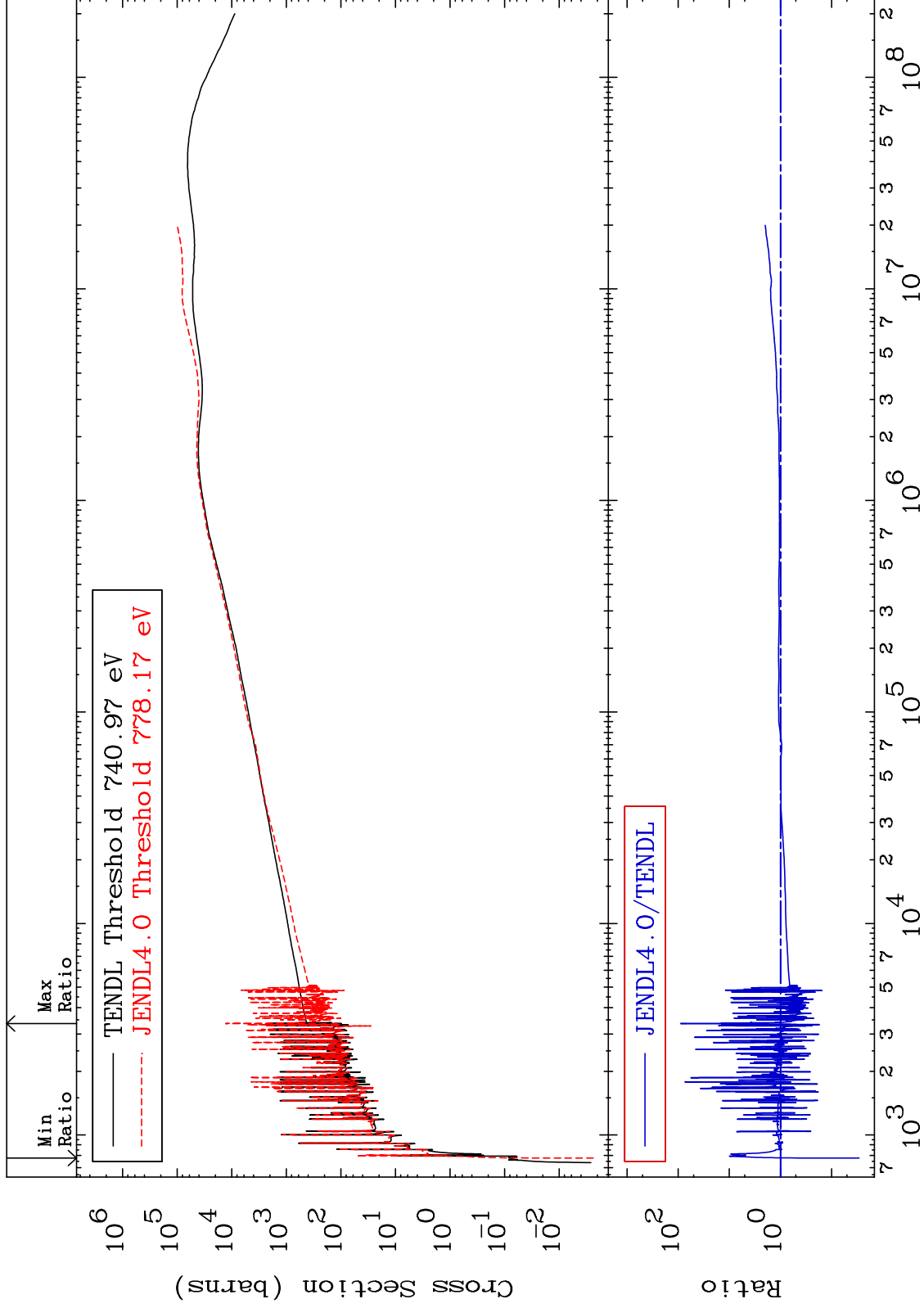
Incident Energy (eV)

53-I -129

MAT 5331

Dpa elastic (mt2)
Cross Section

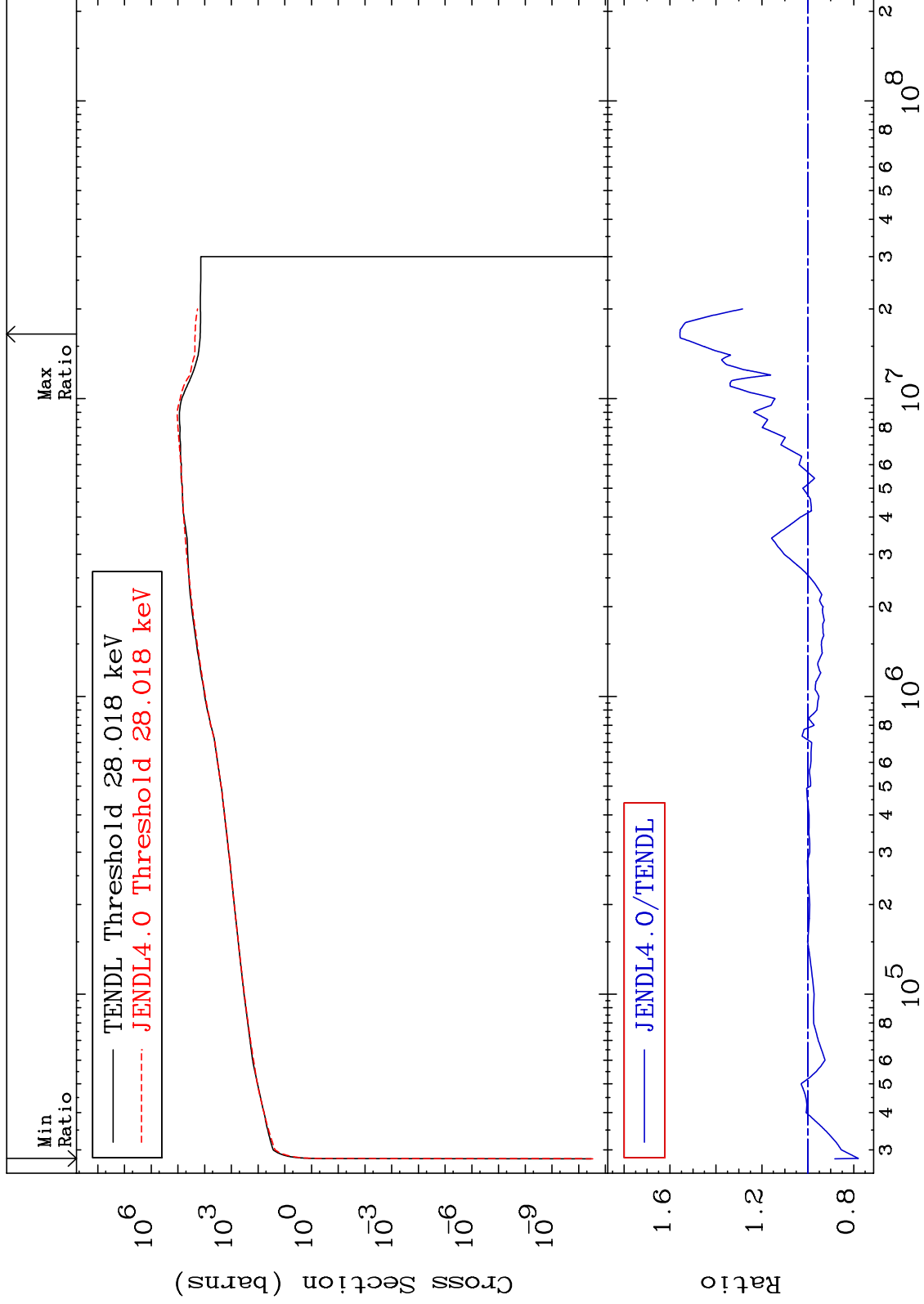
53-I -129
-97.11 To 8872. %



MAT 5331

Dpa inelastic (mt51-91)
Cross Section

53-I -129
-22.05 To 55.65 %



48

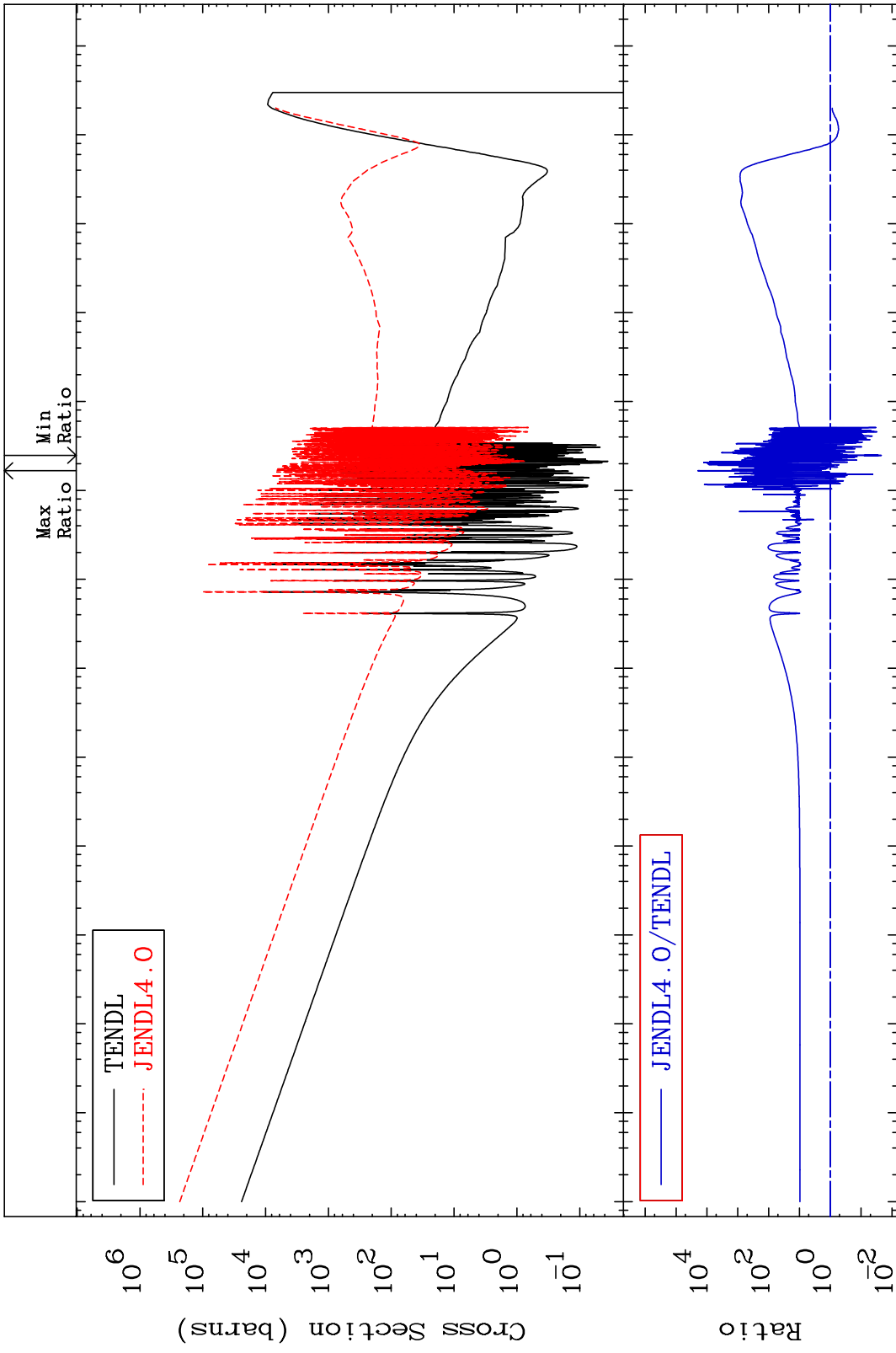
Incident Energy (eV)

53-I -129

MAT 5331

Dpa disappearance (mt102 -120)
Cross Section

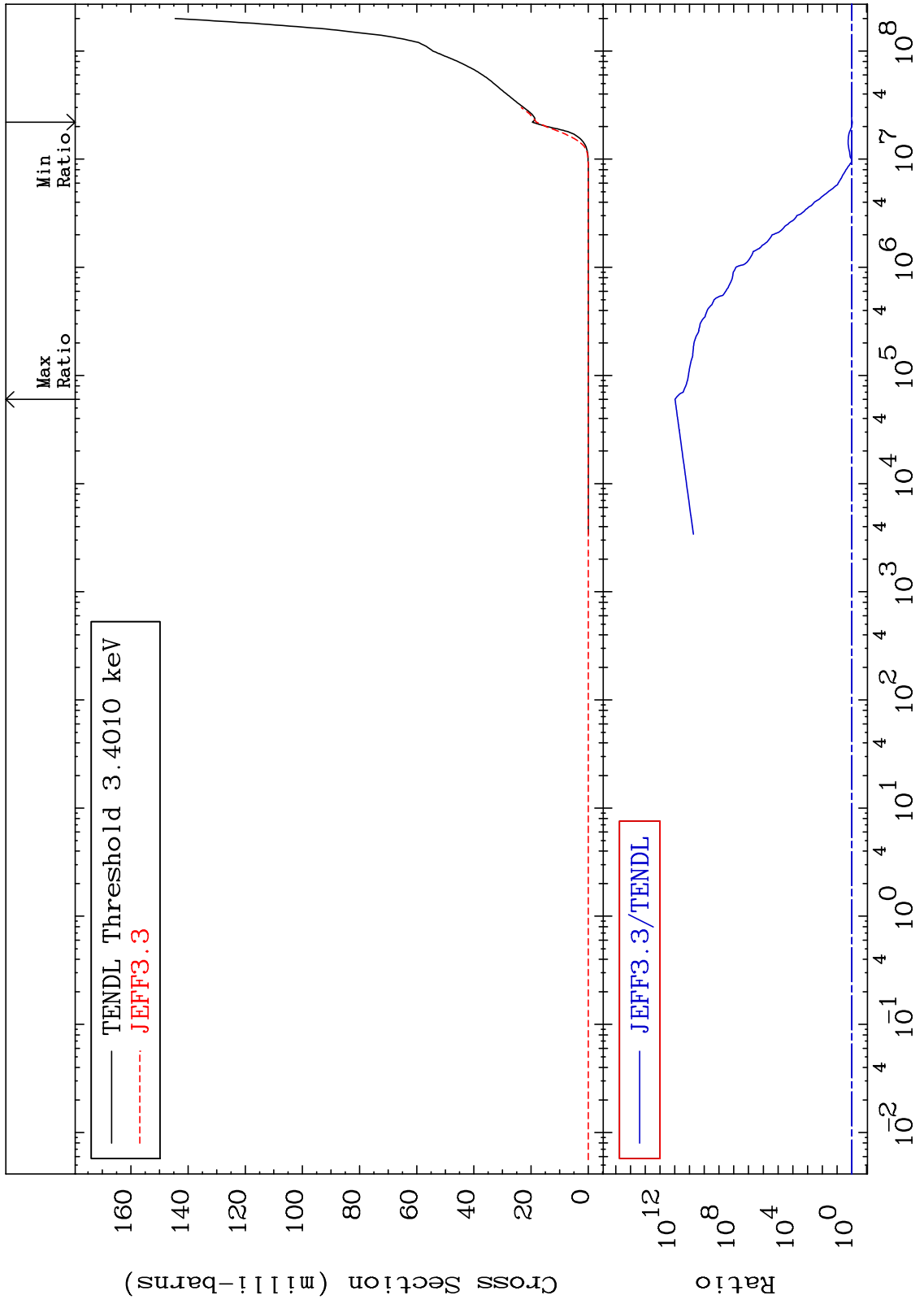
53-I -129
-97.82 To 9999. %



MAT 5331

He-4 Production
Cross Section

53-I -129
-7.374 To 9999. %



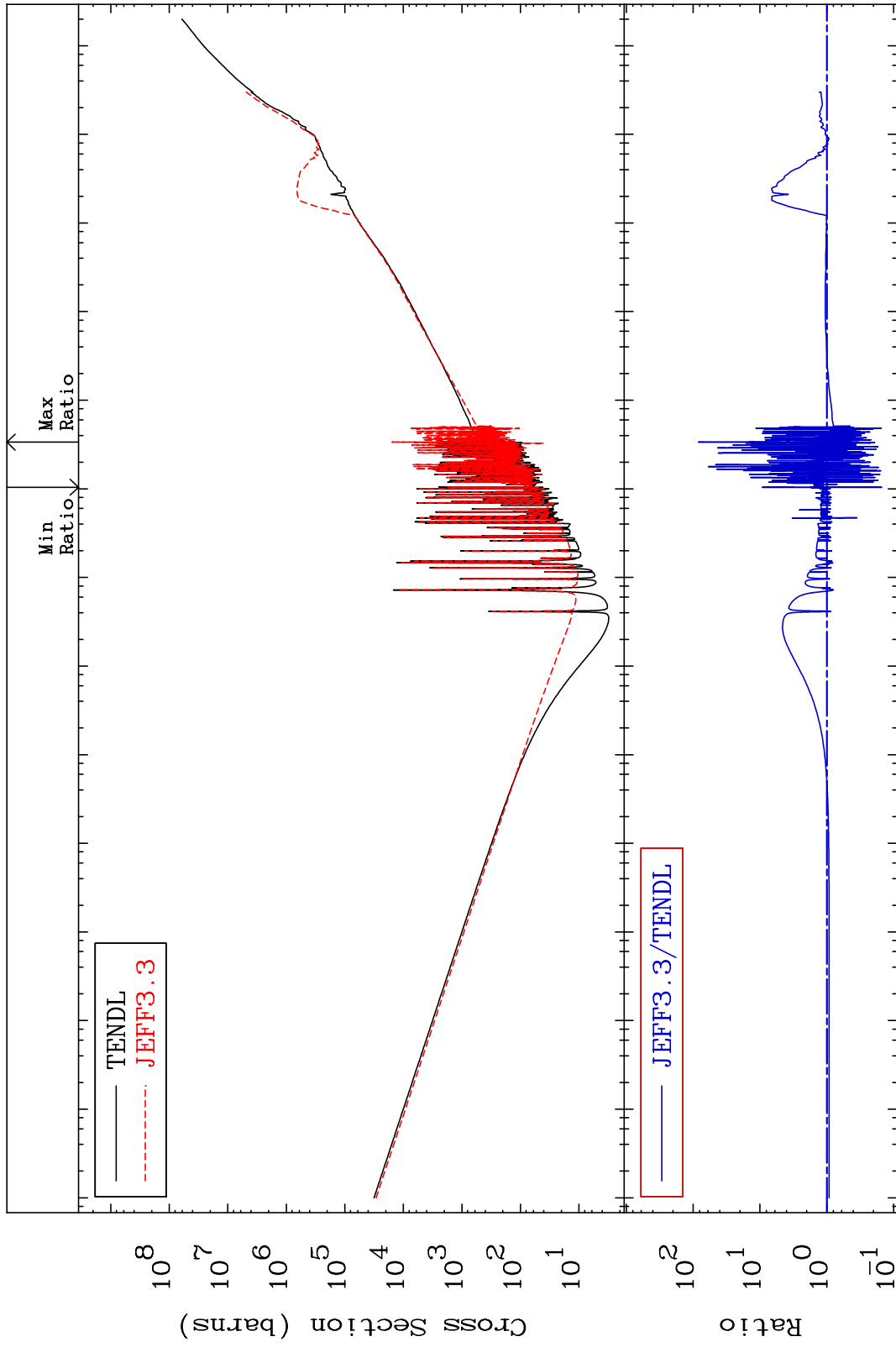
MAT 5331

Kerma total (eV-barns)

53-I -129

-84.84 To 8256. %

Cross Section



51

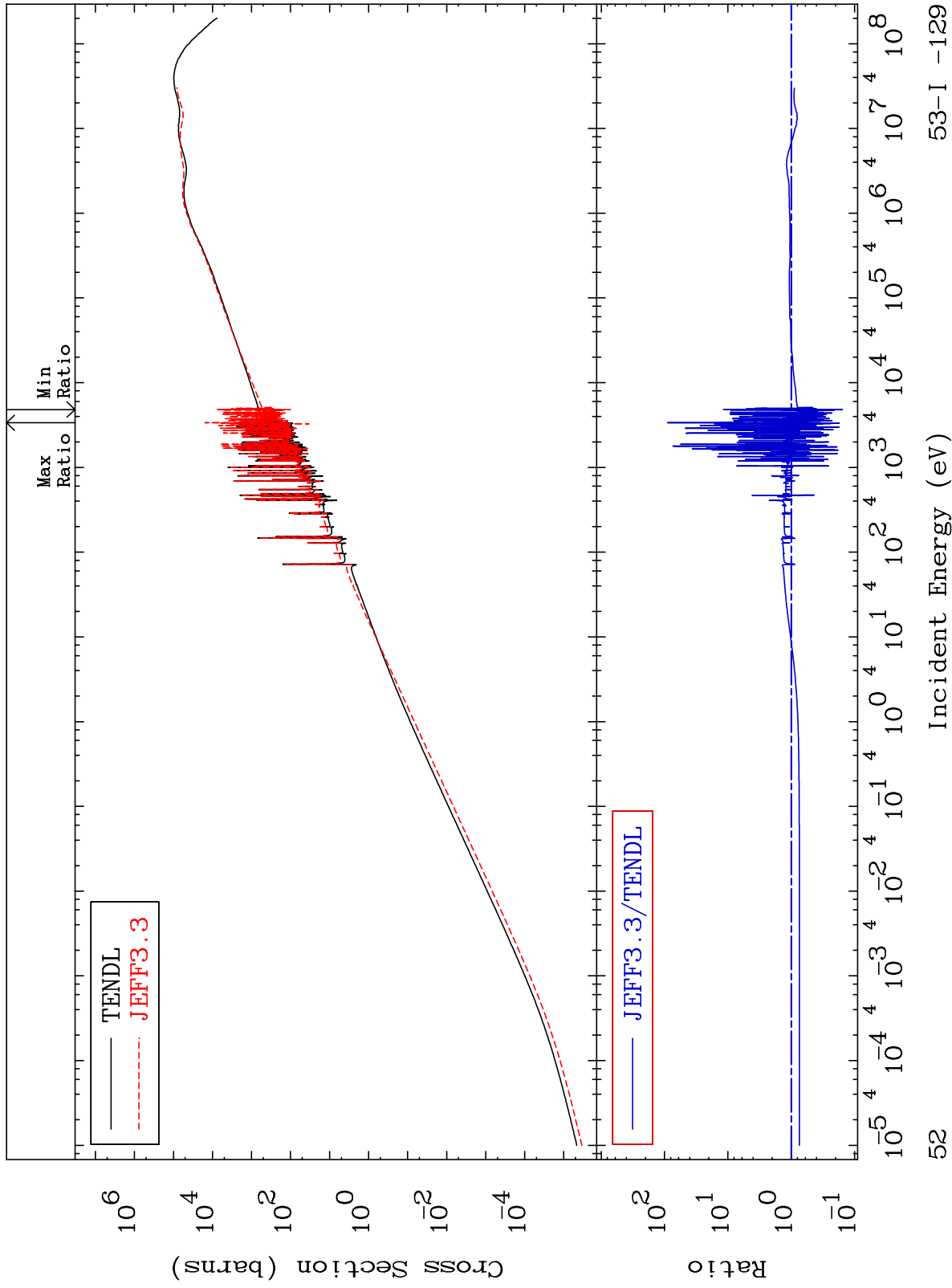
Incident Energy (eV)

53-I -129

MAT 5331

Kerma elastic
Cross Section

53-I -129
-84.58 To 8870. %



52

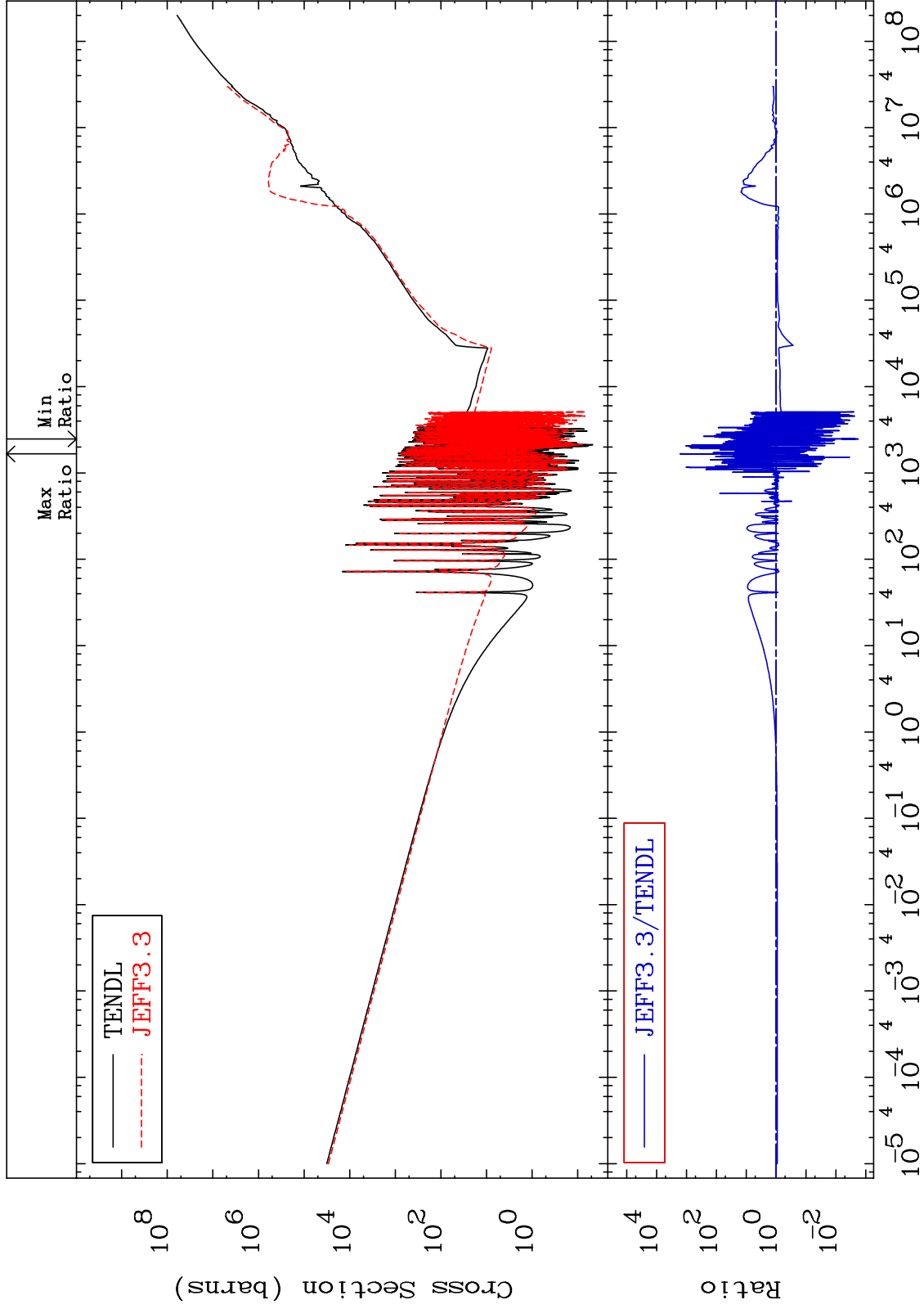
Incident Energy (eV)

53-I -129

MAT 5331

Kerma non-elastic (all but mt2)
Cross Section

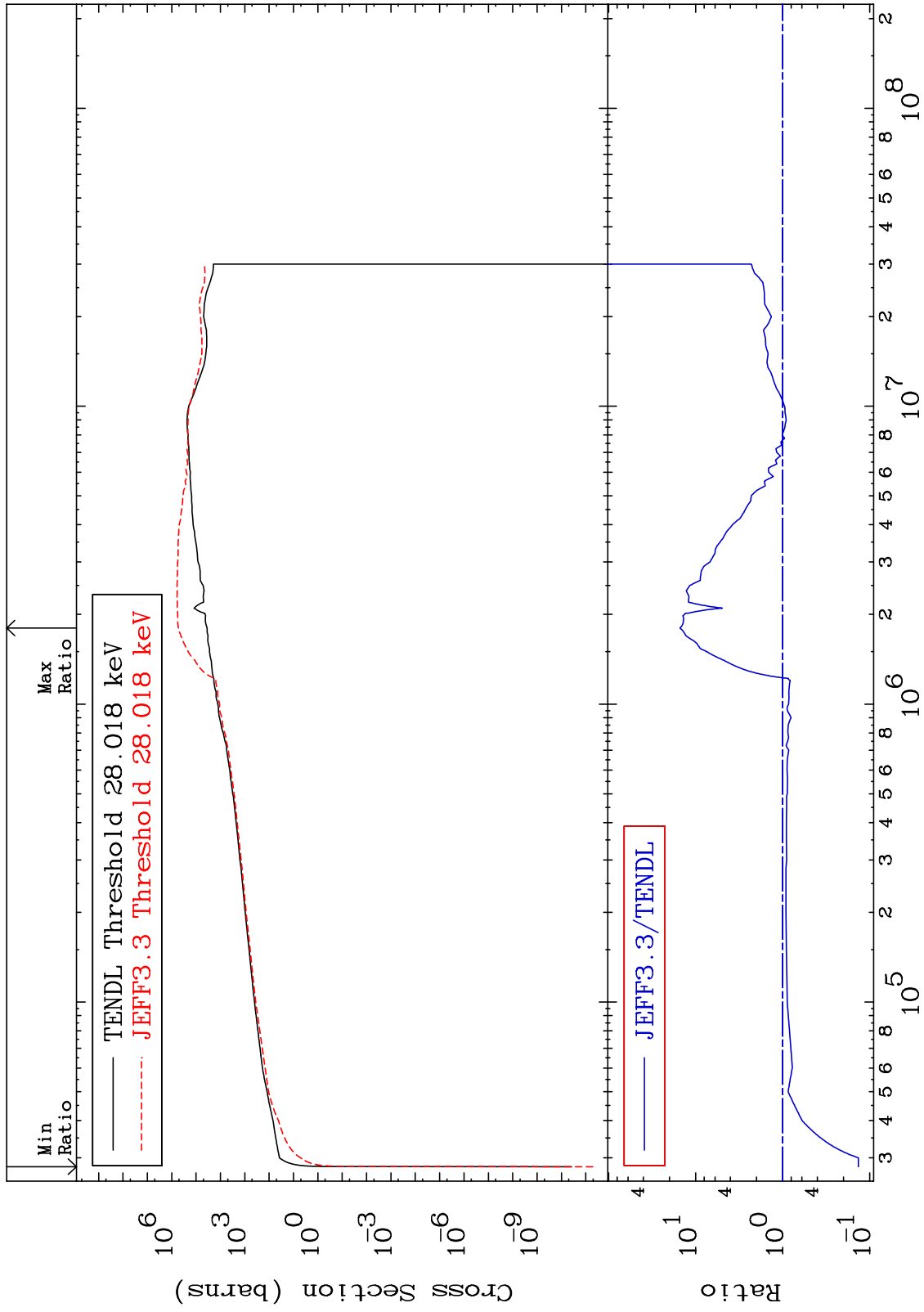
53-I -129
-99.82 To 9999. %



53

Incident Energy (eV)

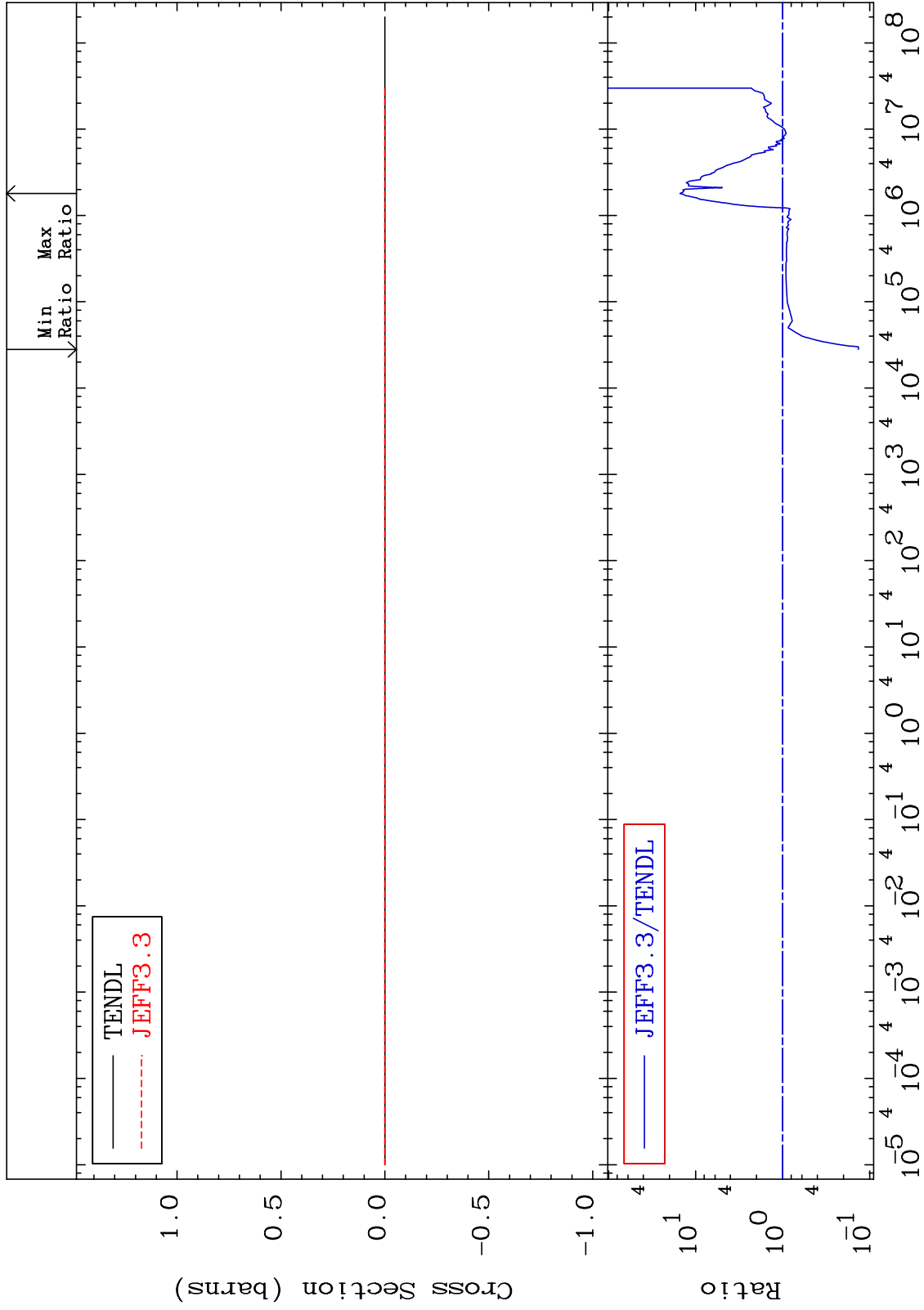
53-I -129



MAT 5331

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

53-I -129
-86.55 To 1414. %



55

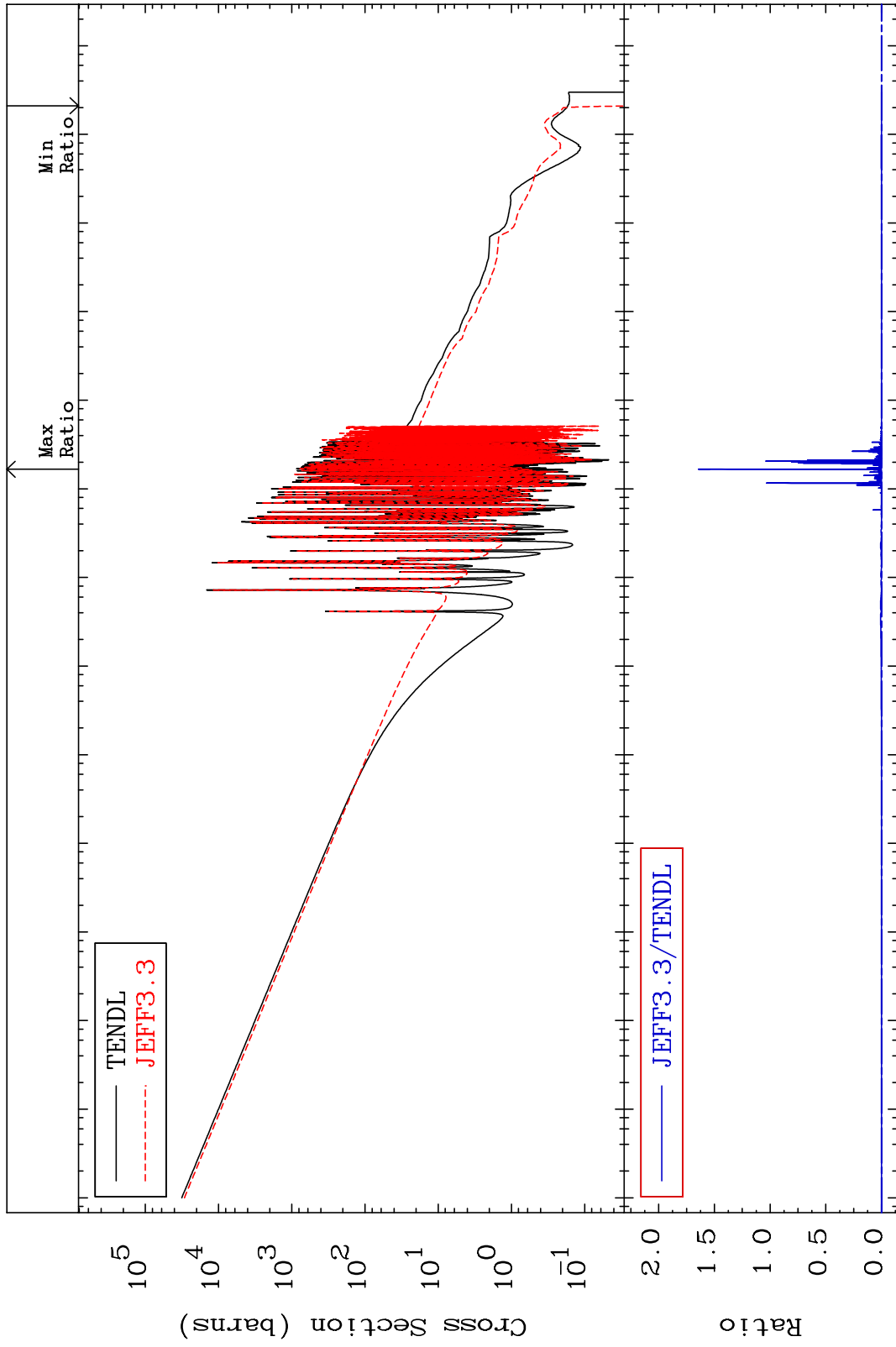
Incident Energy (eV)

53-I -129

MAT 5331

Kerma capture (mt102)
Cross Section

53-I -129
-100.0 To 9999. %



56

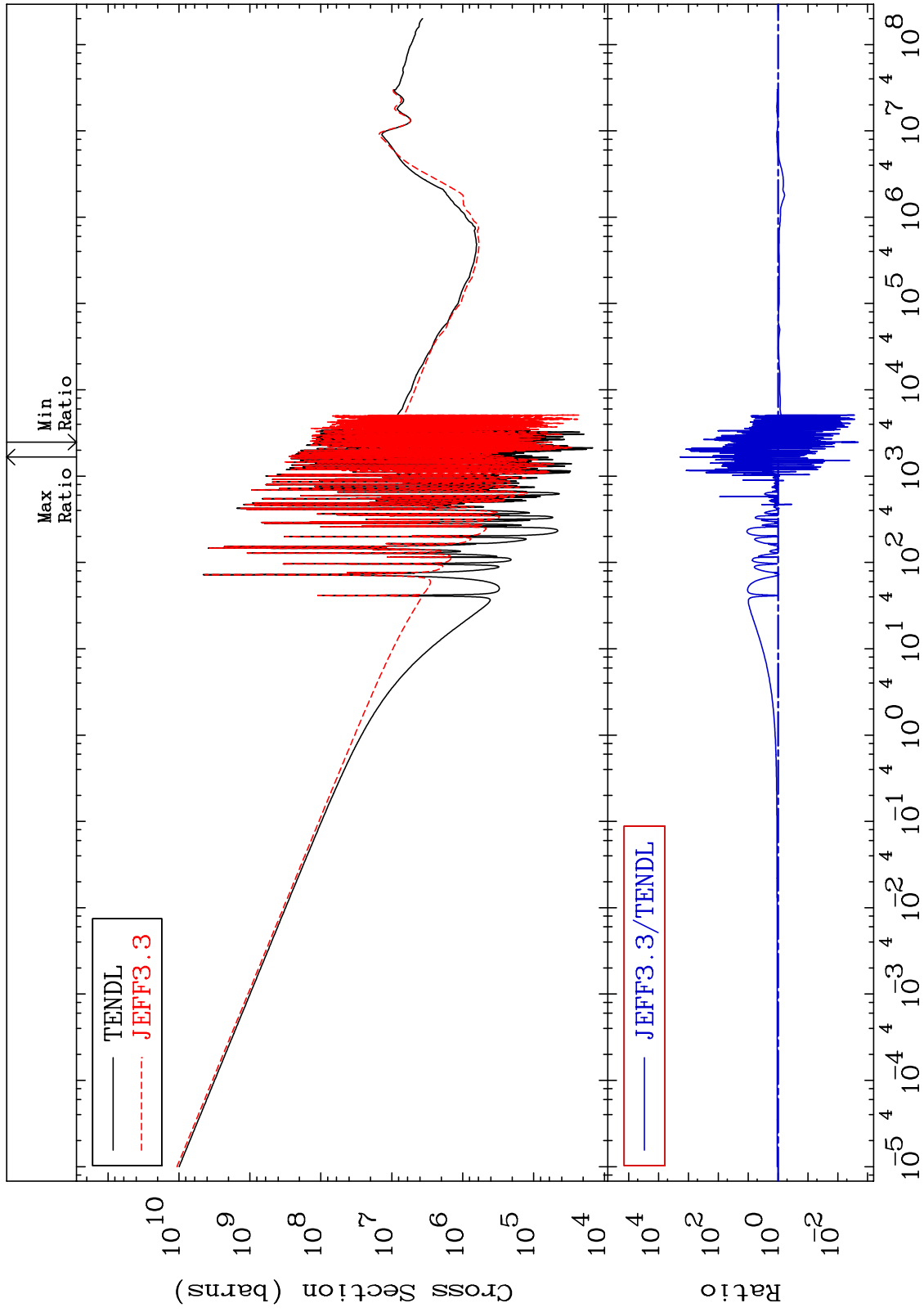
Incident Energy (eV)

53-I -129

MAT 5331

Total photon (eV-barns)
Cross Section

53-I -129
-99.80 To 9999. %



57

Incident Energy (eV)

53-I -129

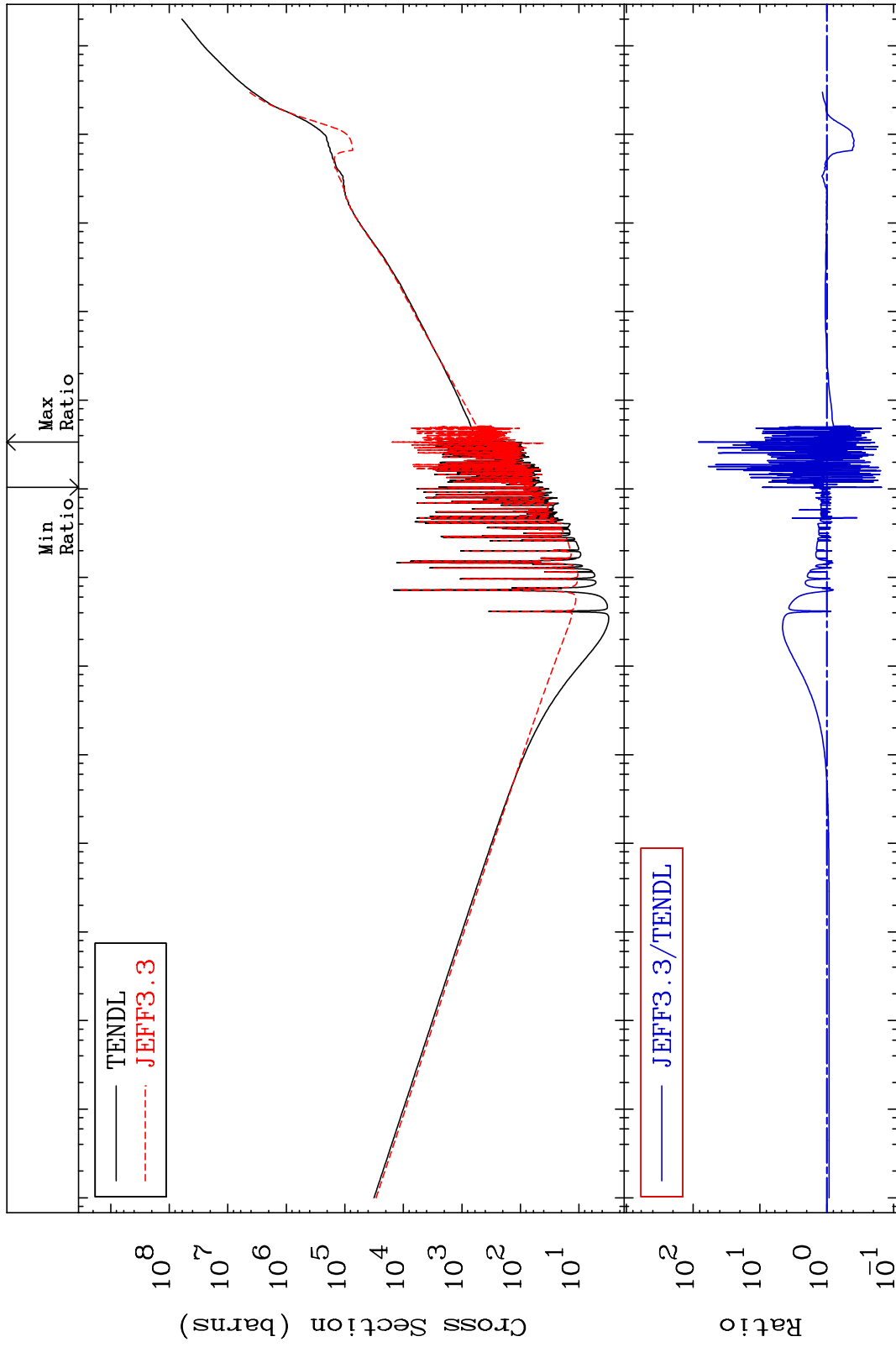
MAT 5331

Total kinematic kerma (high limit)

53-I -129

-84.84 To 8256. %

Cross Section



58

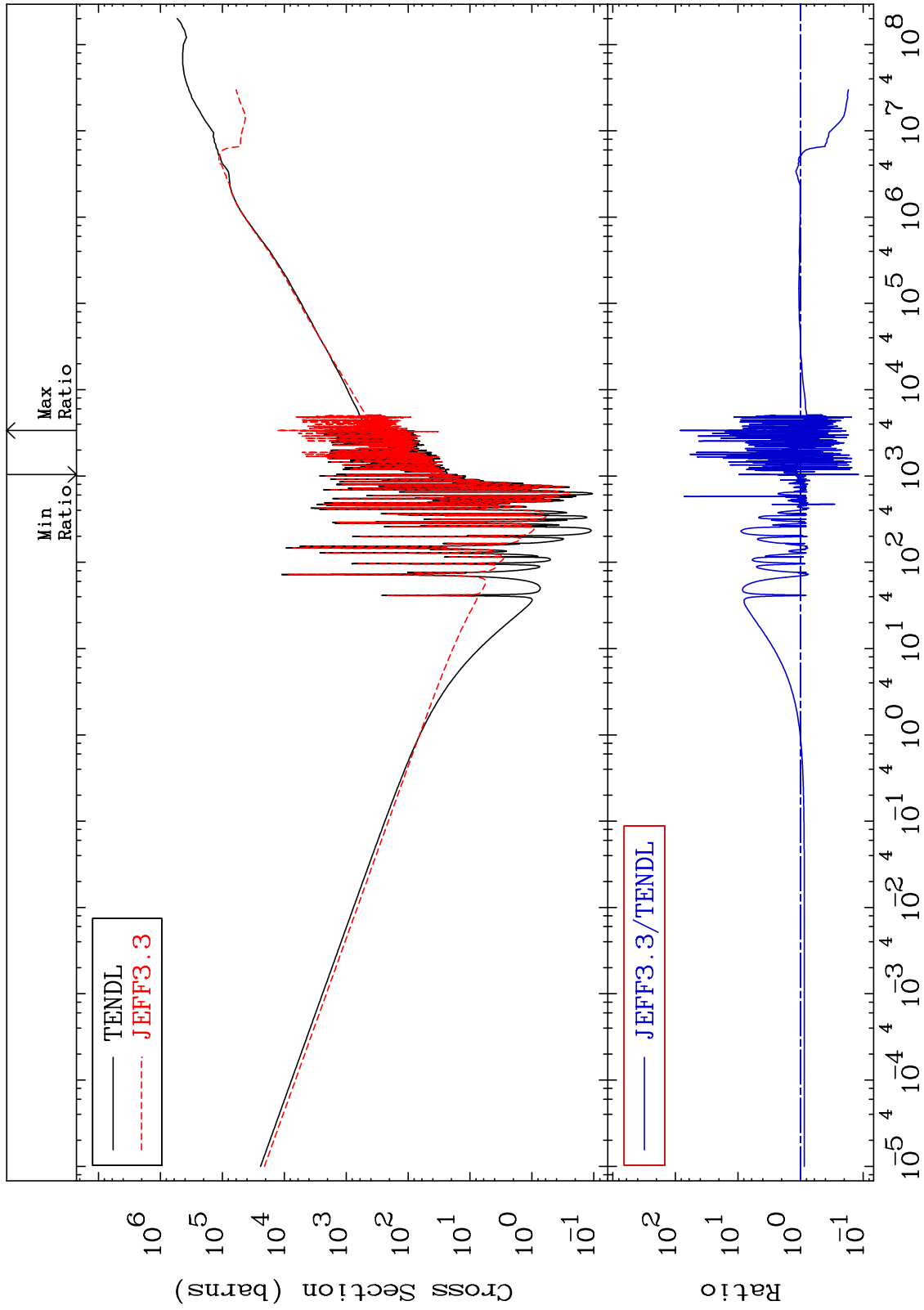
Incident Energy (eV)

53-I -129

MAT 5331

Dpa total (eV-barns)
Cross Section

53-I -129
-88.14 To 8305. %



59

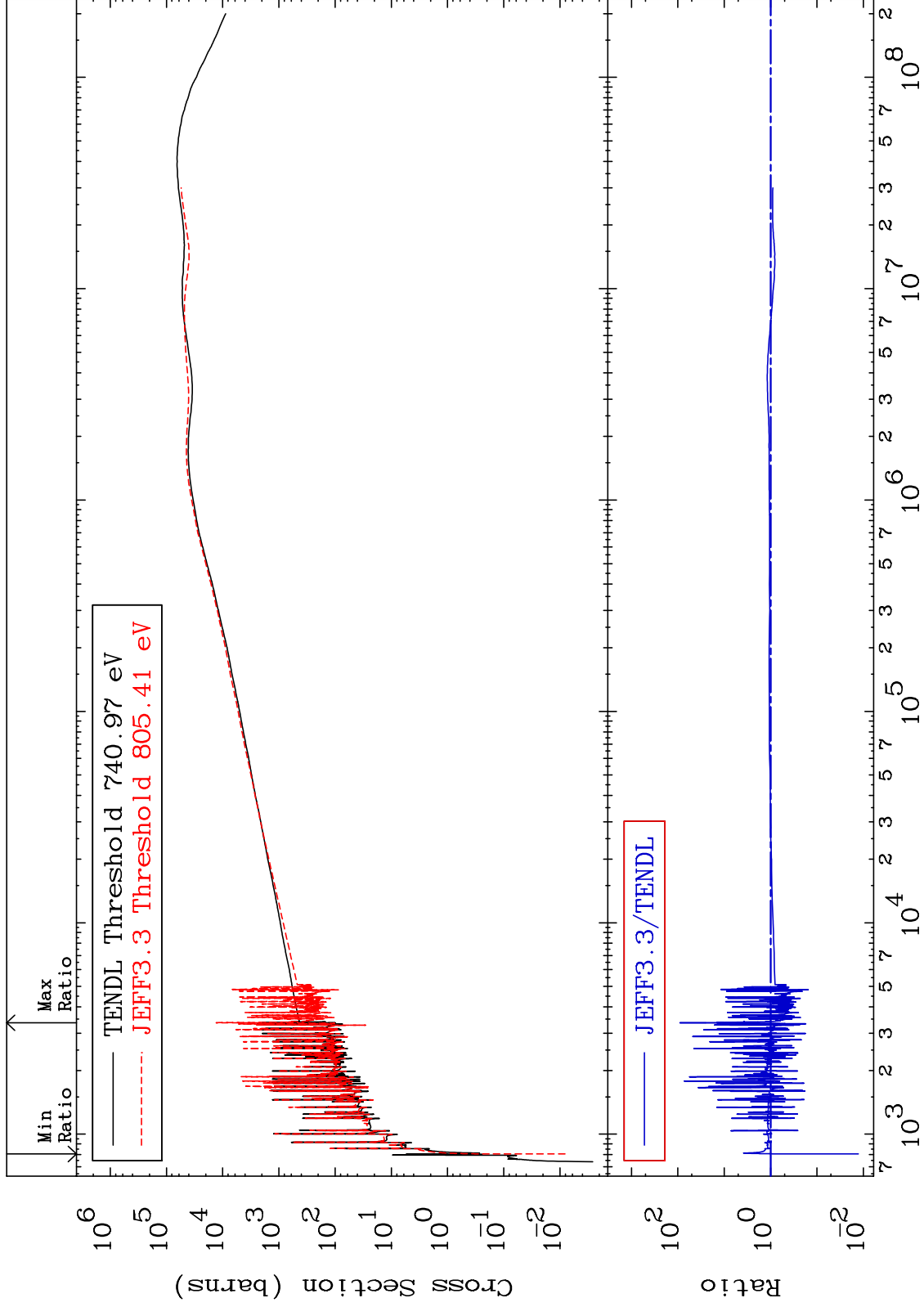
Incident Energy (eV)

53-I -129

MAT 5331

Dpa elastic (mt2)
Cross Section

53-I -129
-98.72 To 8865. %



60

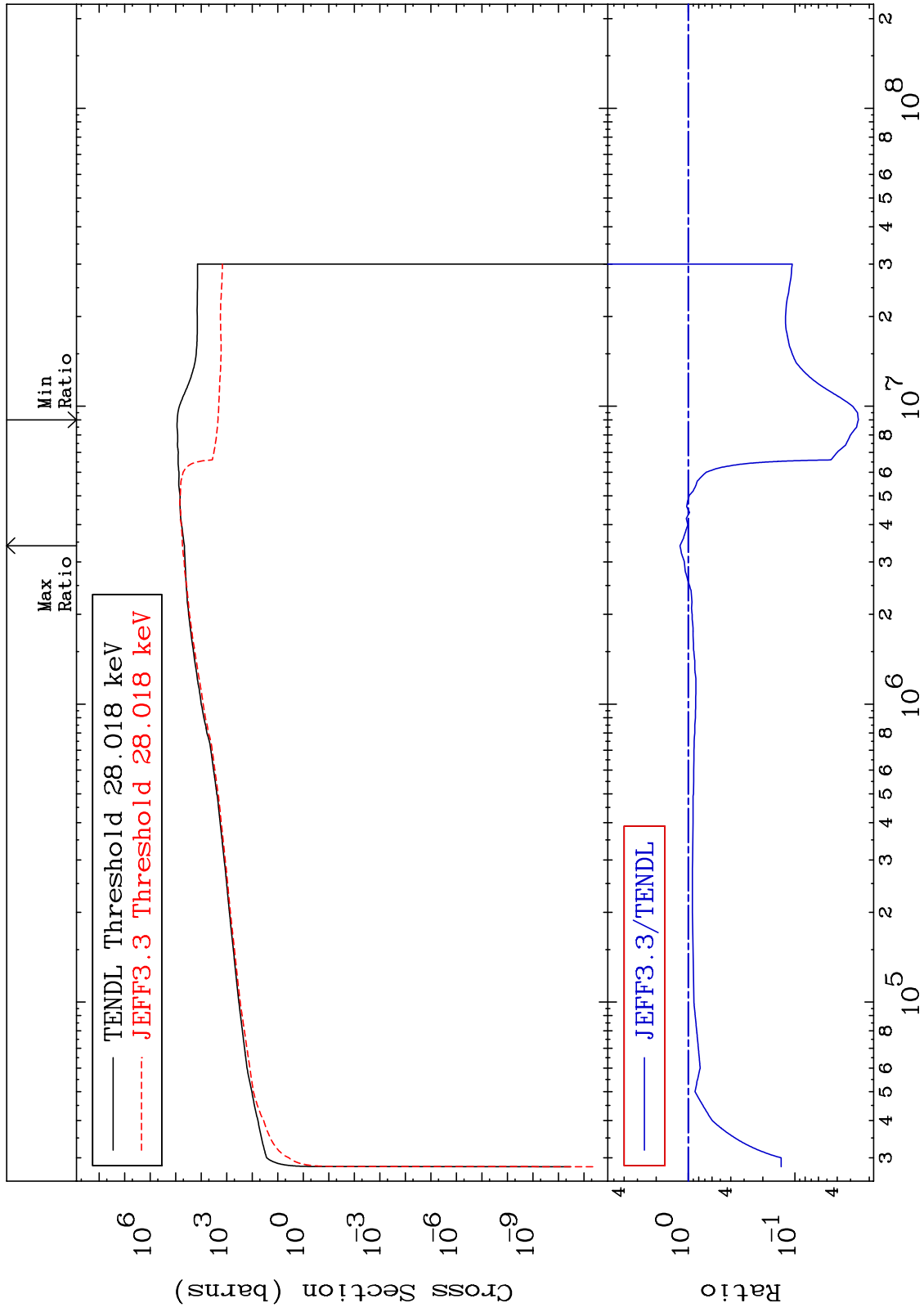
Incident Energy (eV)

53-I -129

MAT 5331

Dpa inelastic (mt51-91)
Cross Section

53-I -129
-97.47 To 19.59 %



61

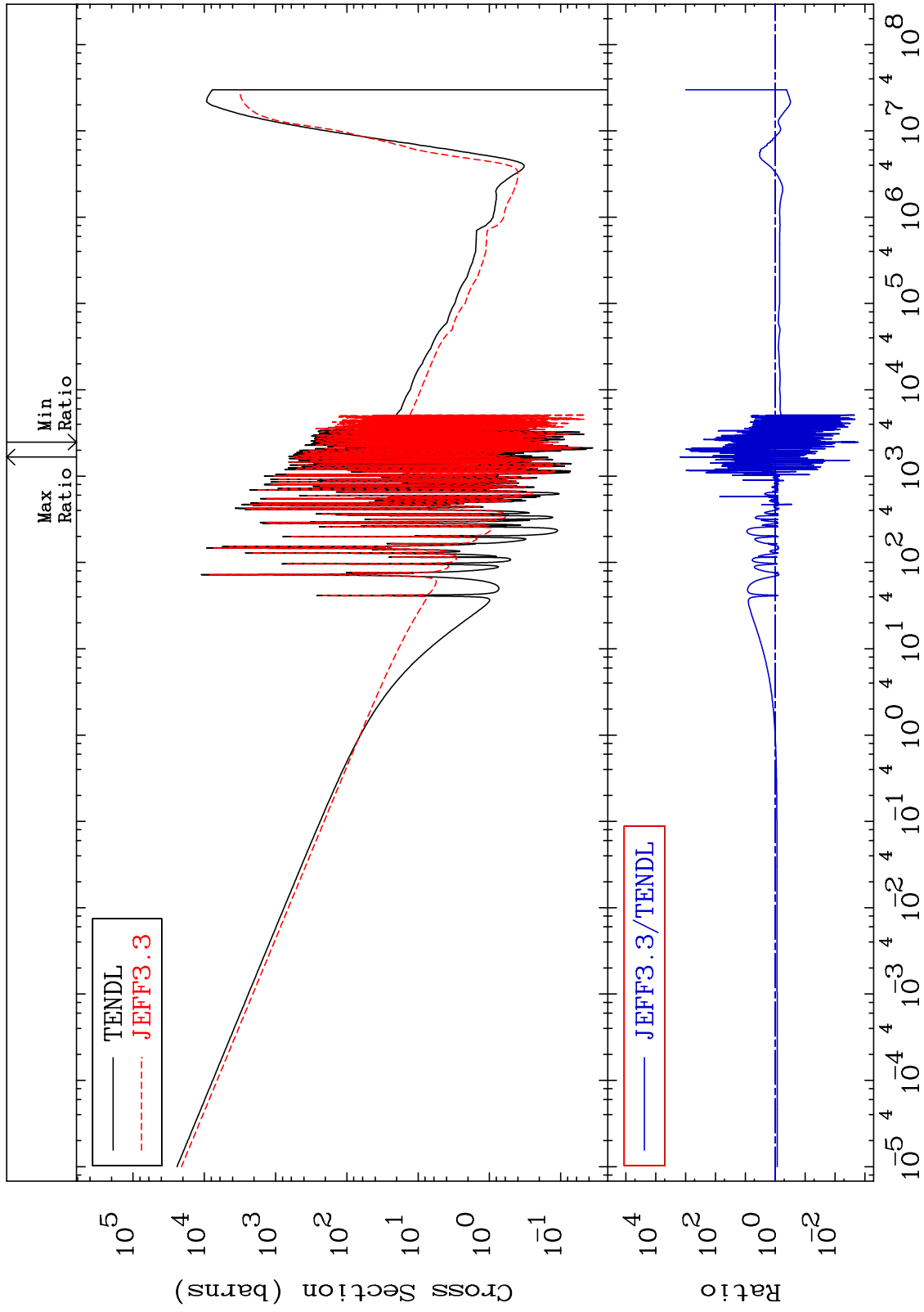
Incident Energy (eV)

53-I -129

MAT 5331

Dpa disappearance (mt102 -120)
Cross Section

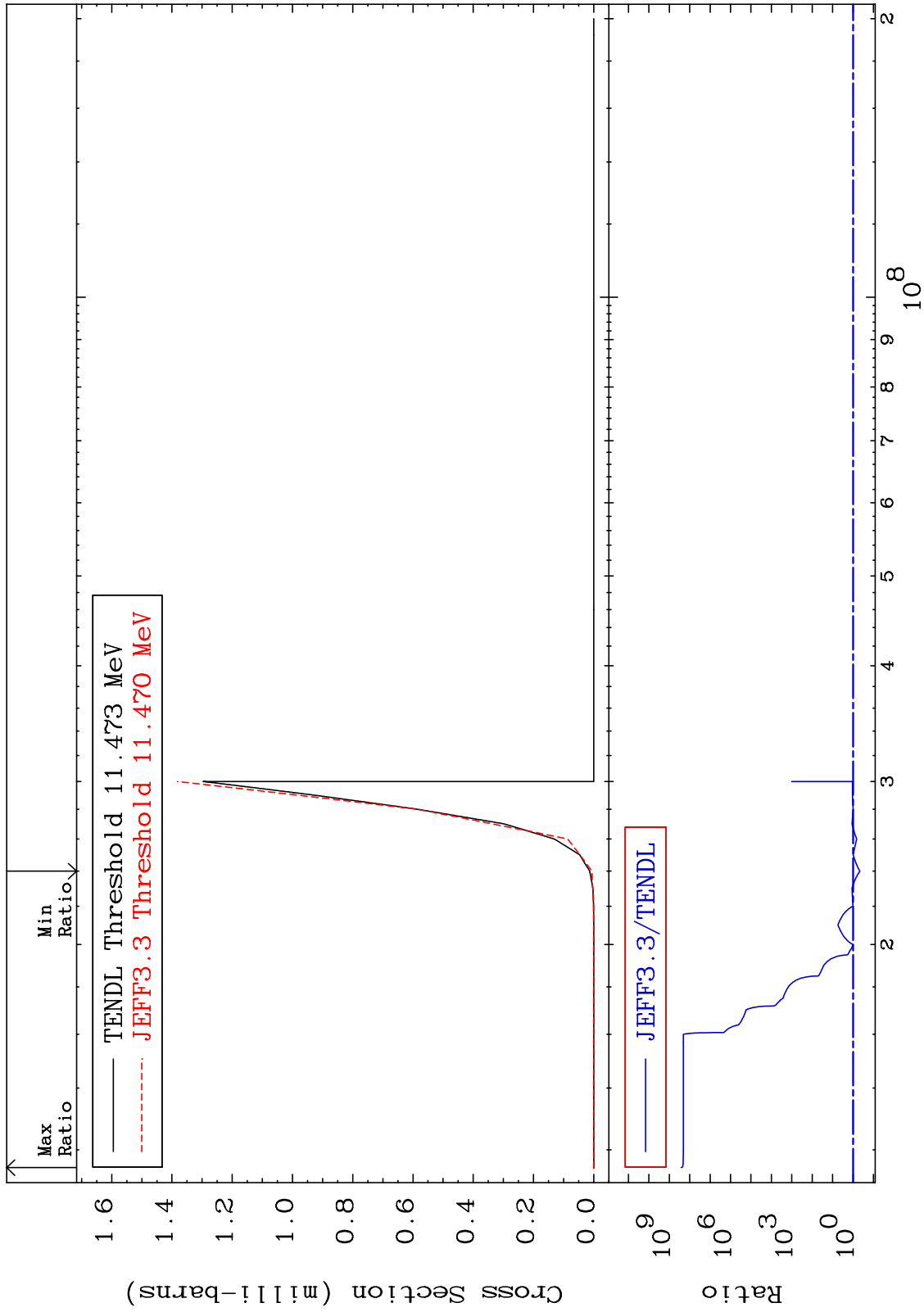
53-I -129
-99.84 To 9999. %

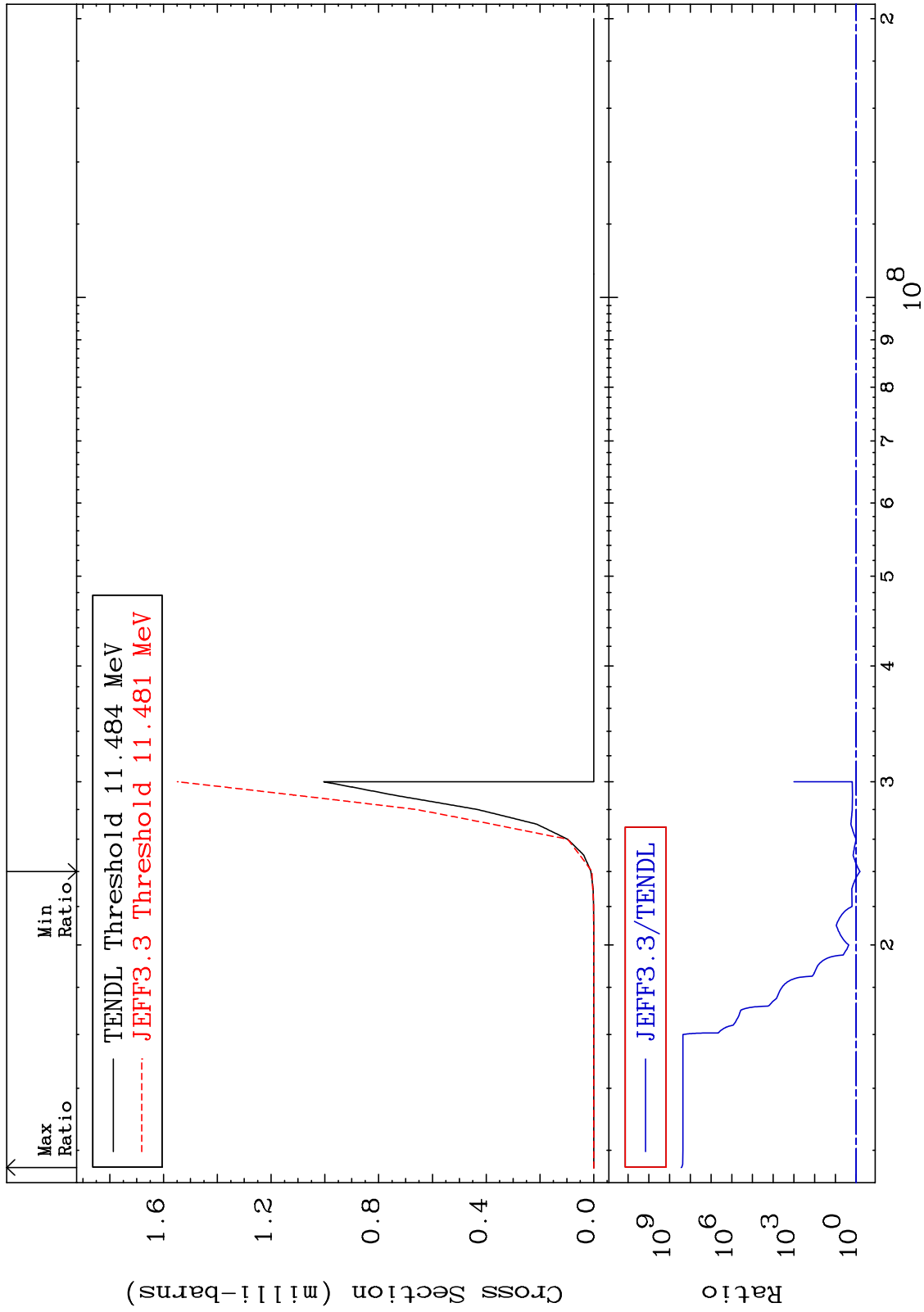


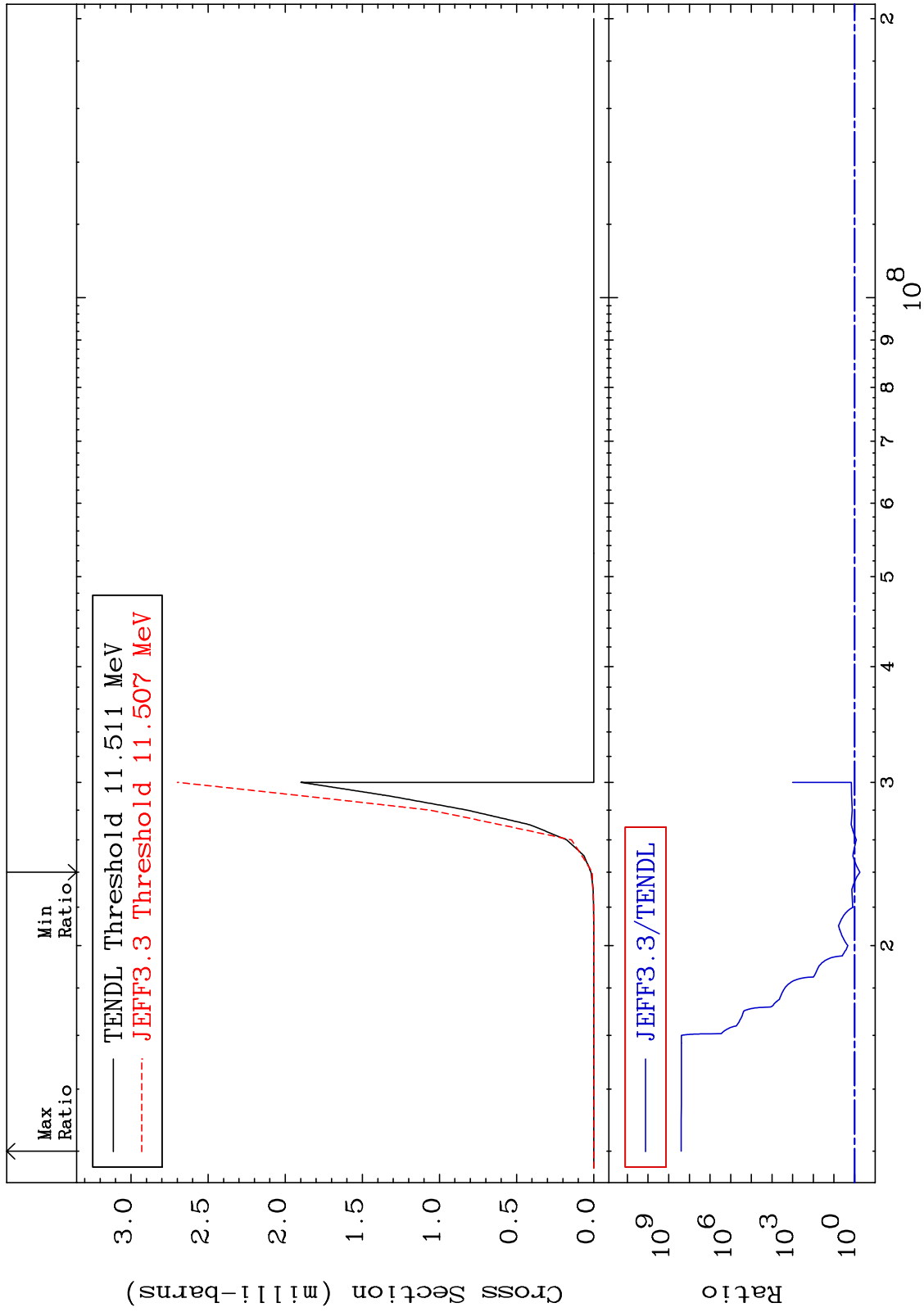
62

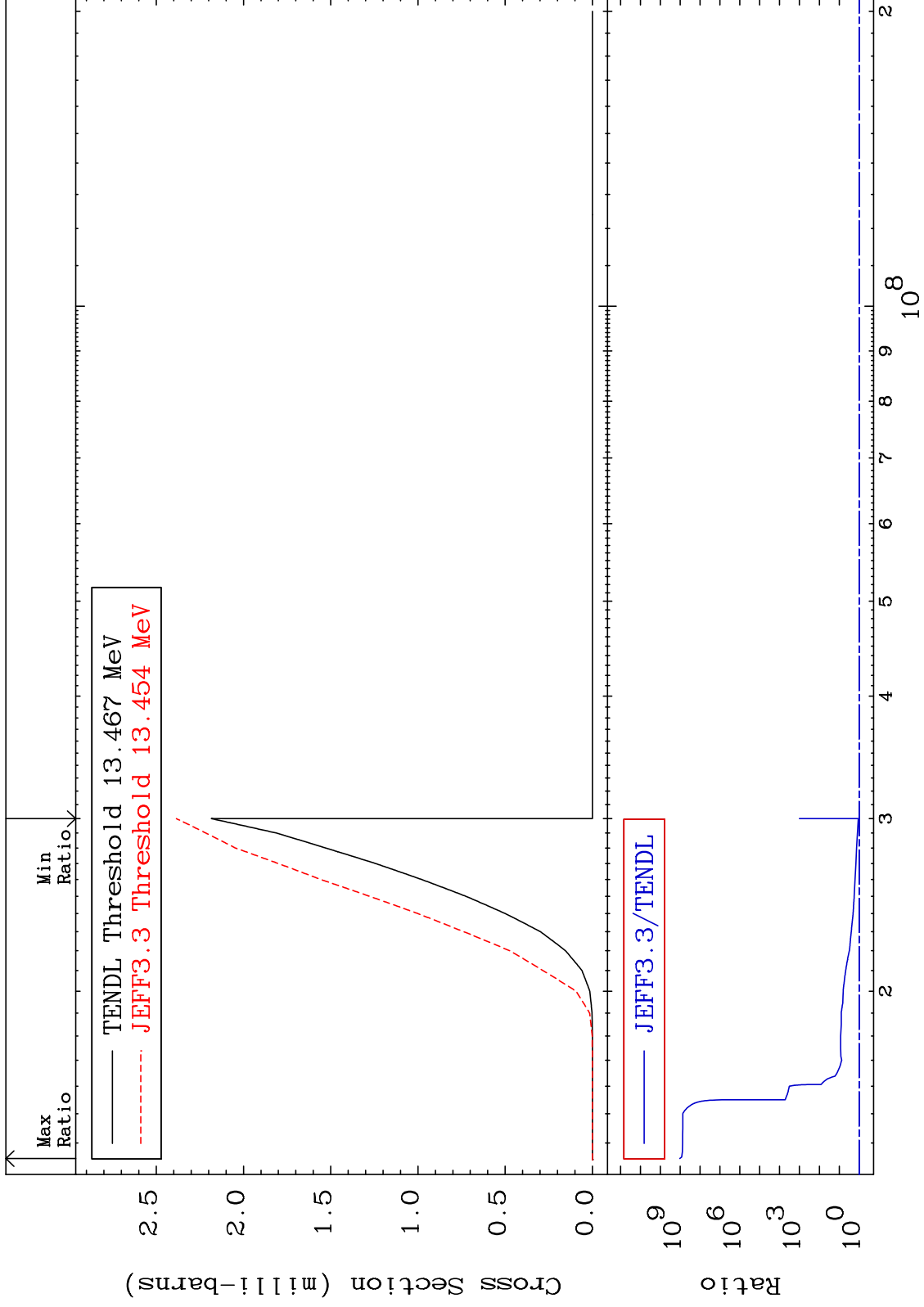
Incident Energy (eV)

53-I -129







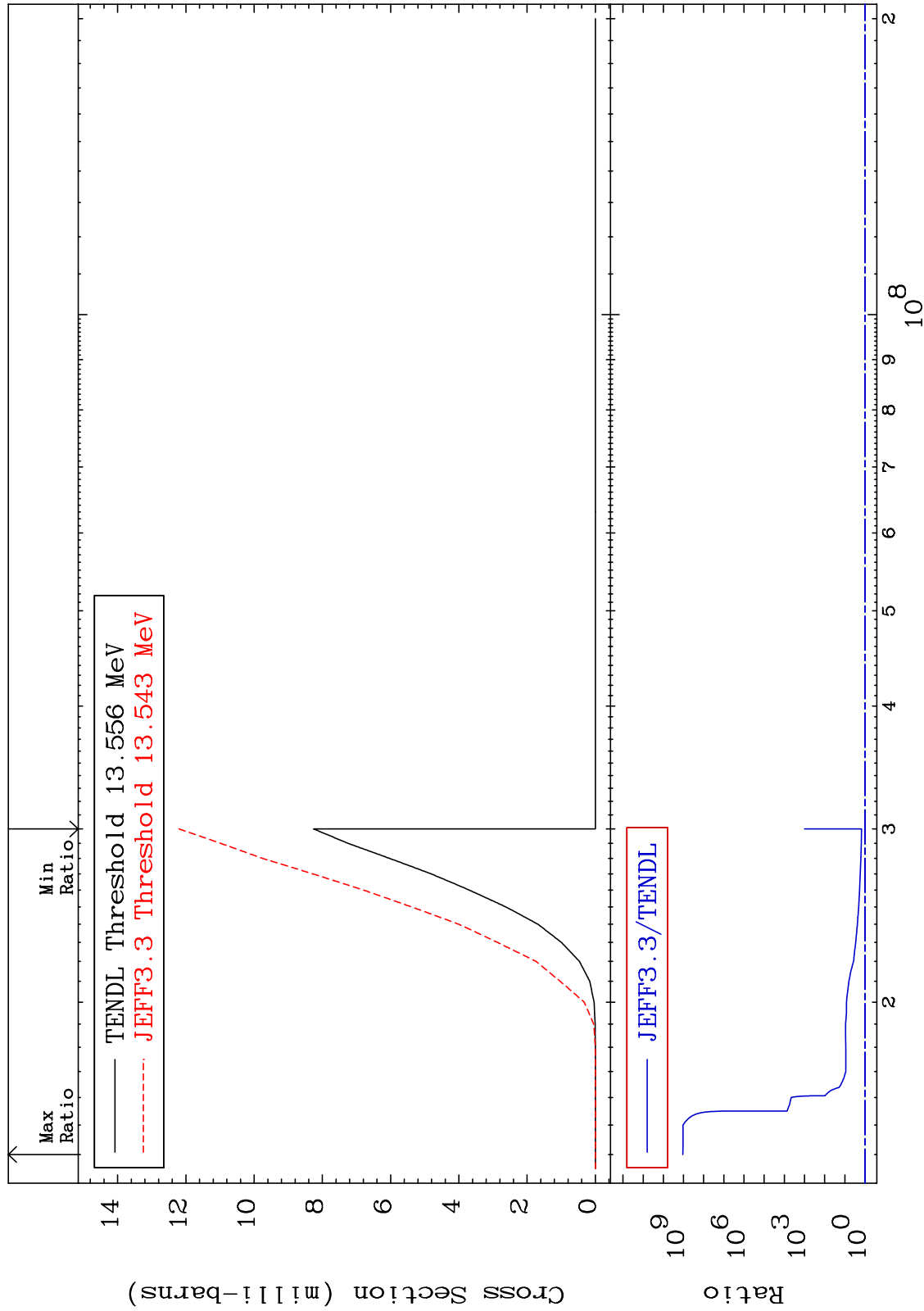


MAT 5331

(n, n') d:52-Te-127m2

53-I -129

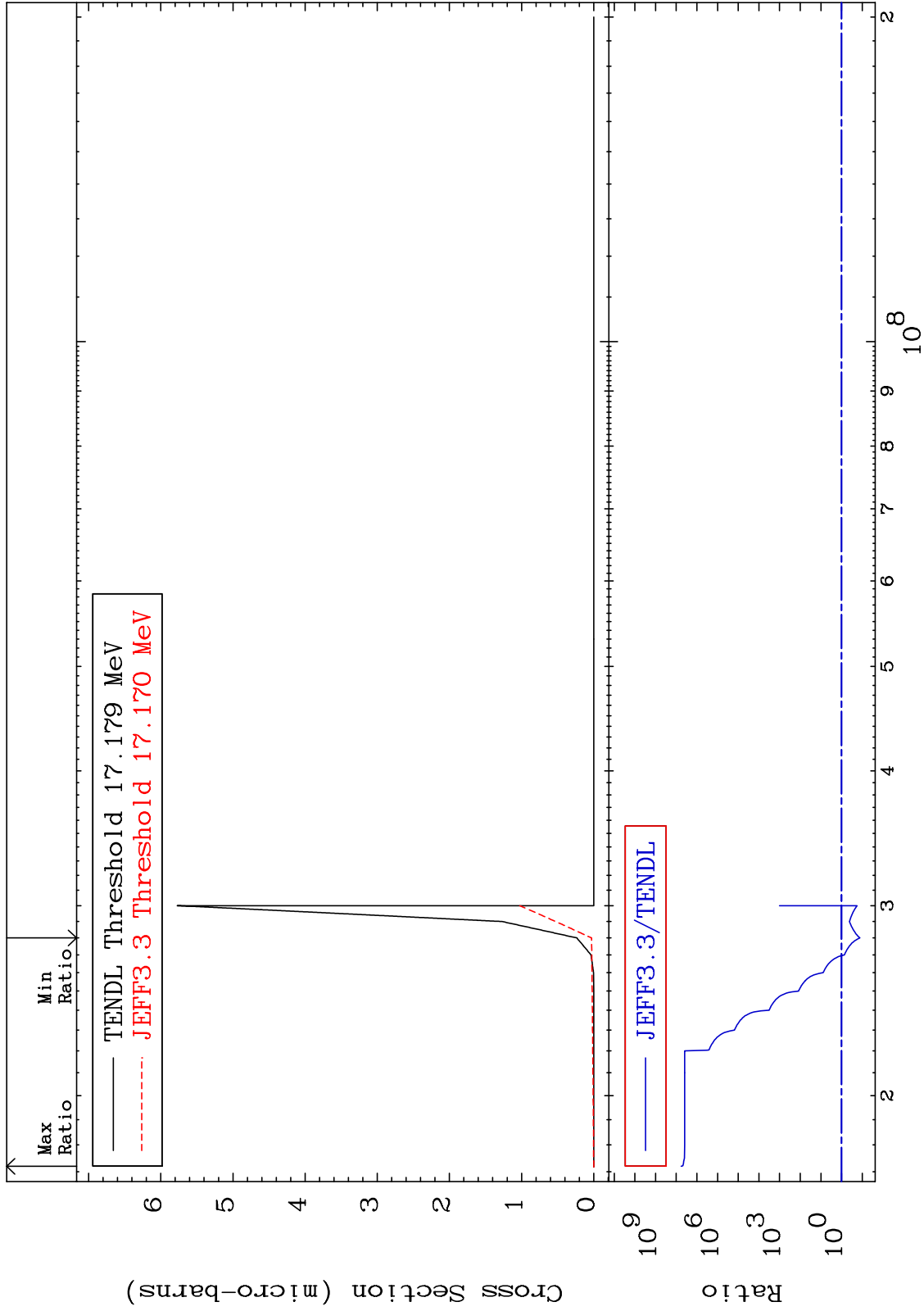
Radionuclide Production Cross Section 47.72 To 9999. %



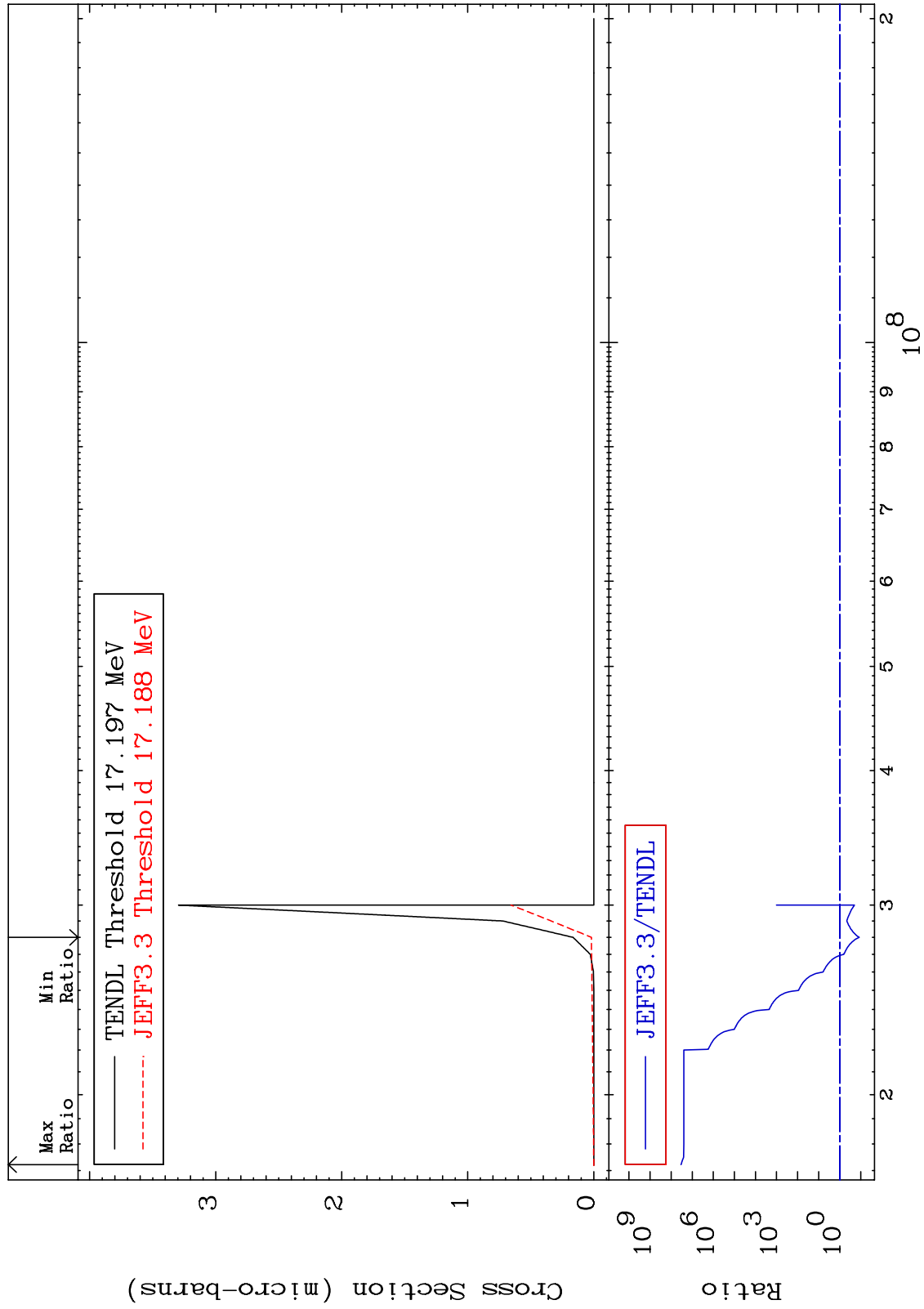
67

Incident Energy (eV)

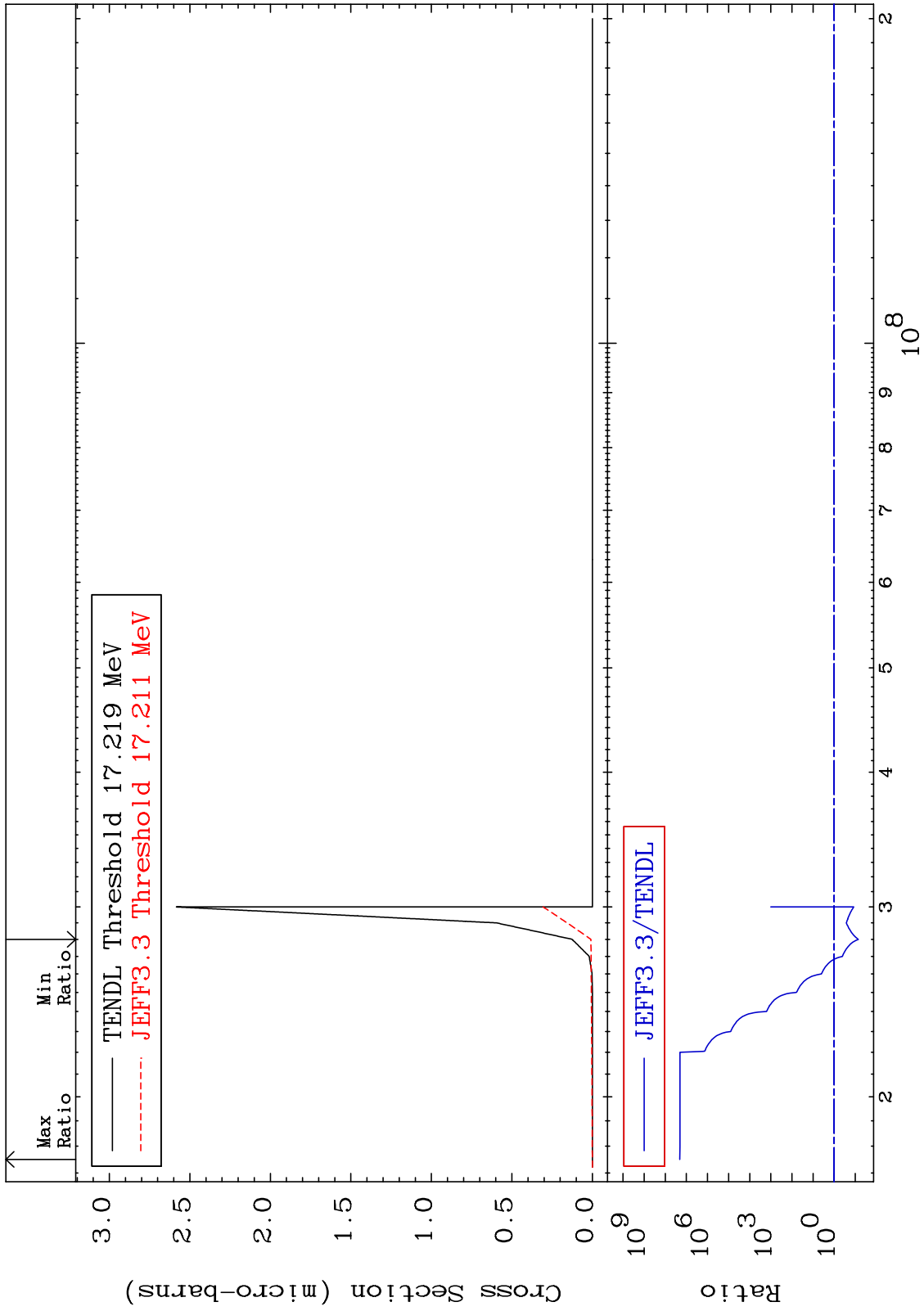
53-I -129

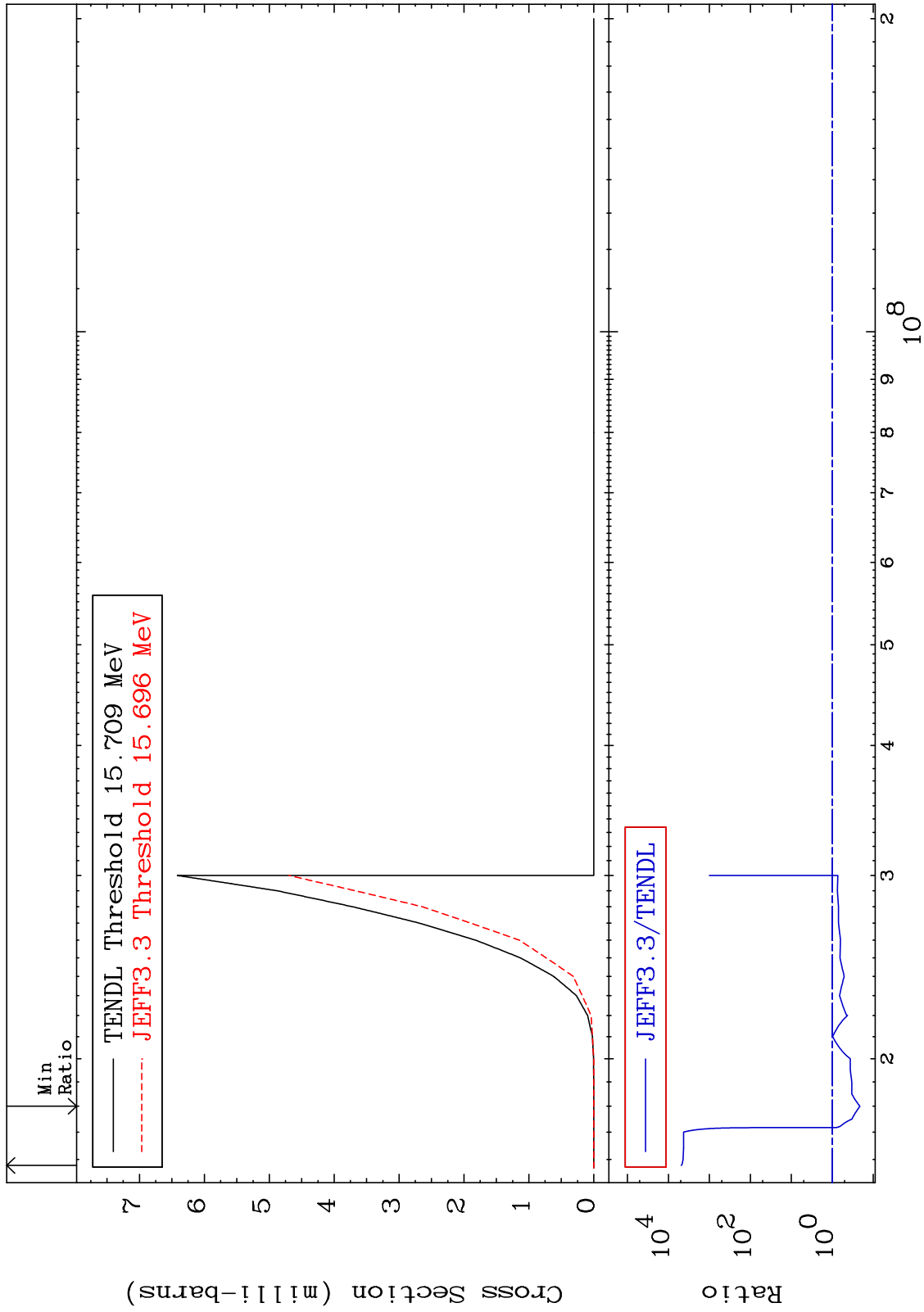


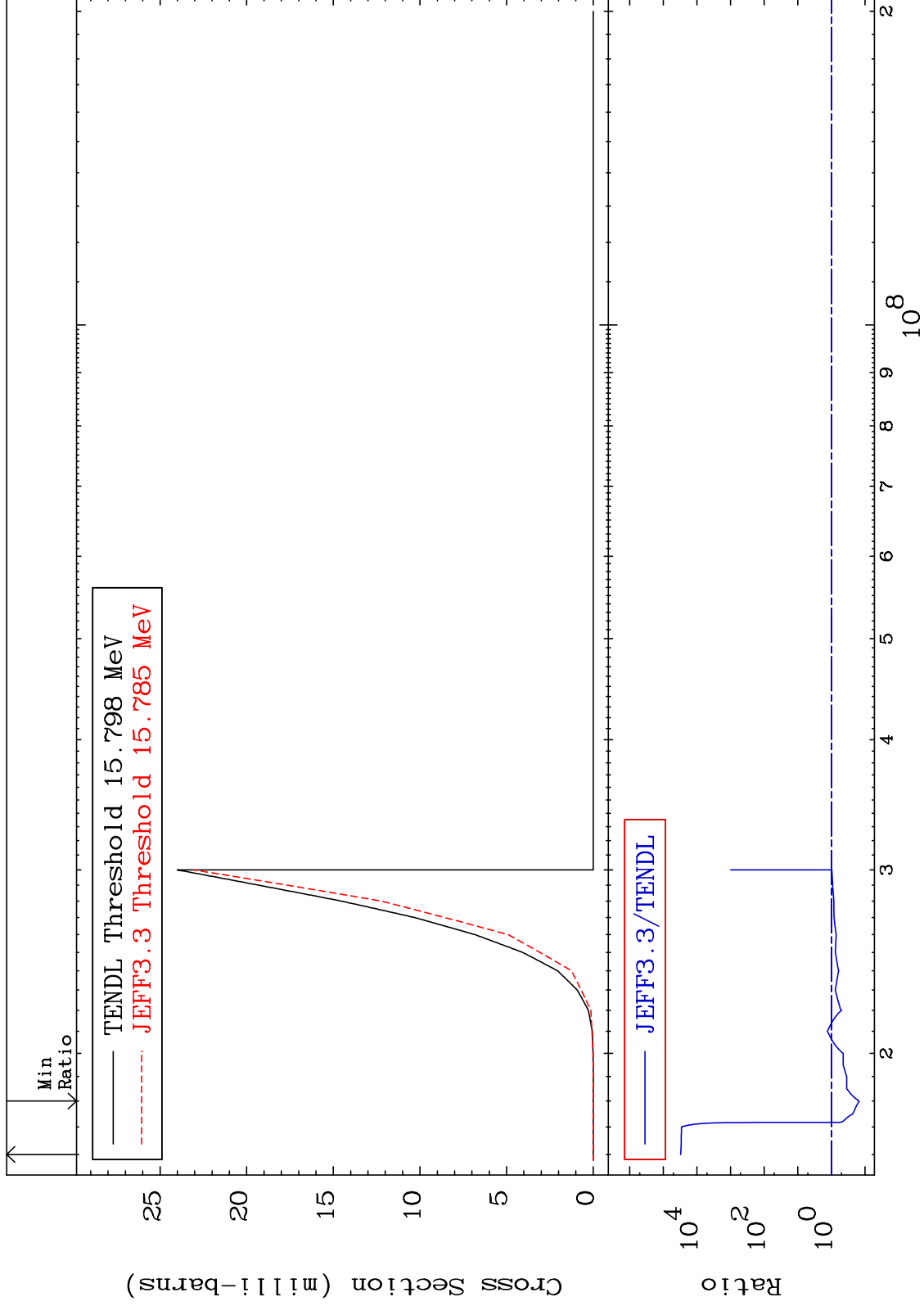
Radionuclide Production Cross Section -88.15 To 9999. %

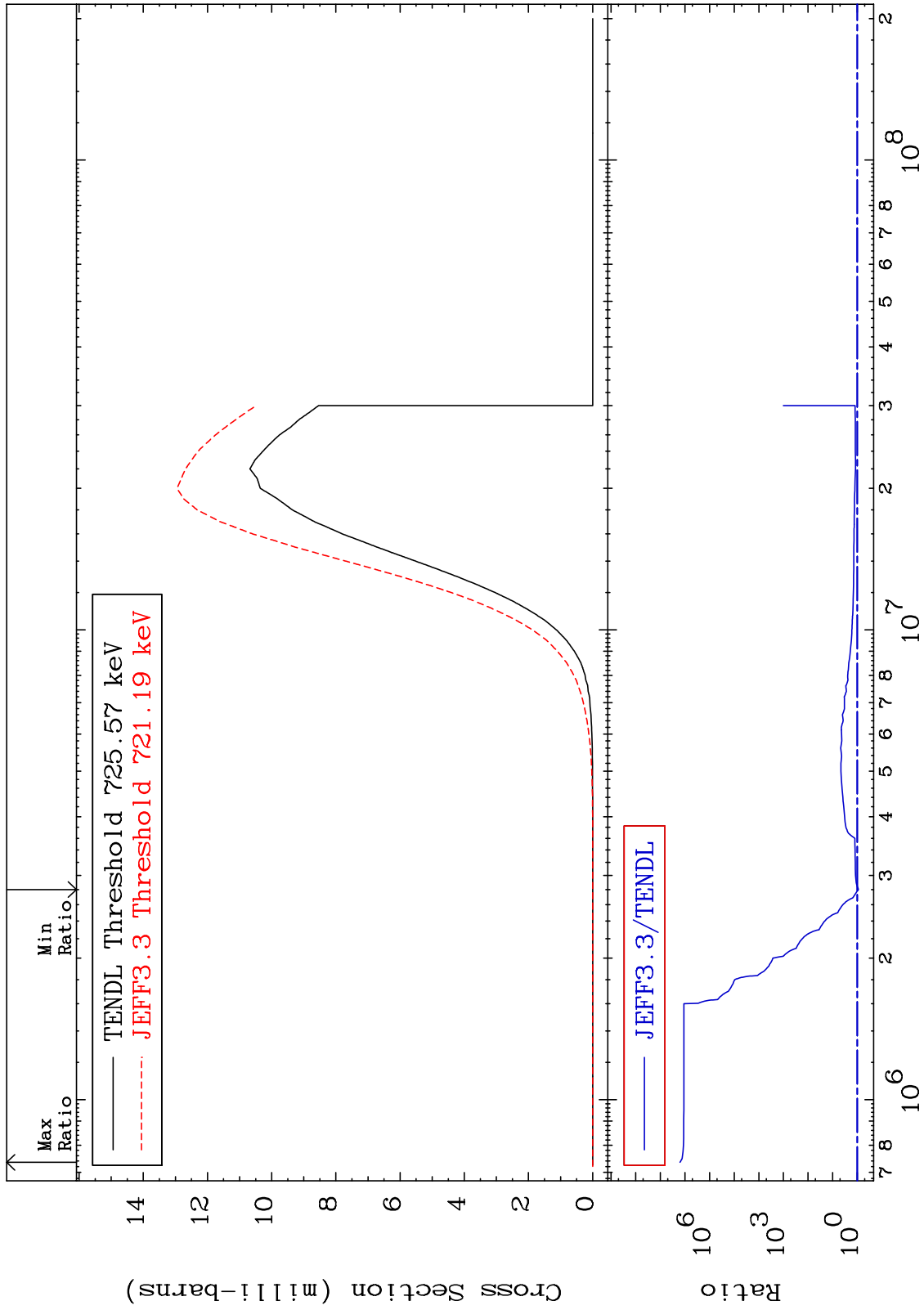


Radionuclide Production Cross Section -92.85 To 9999. %







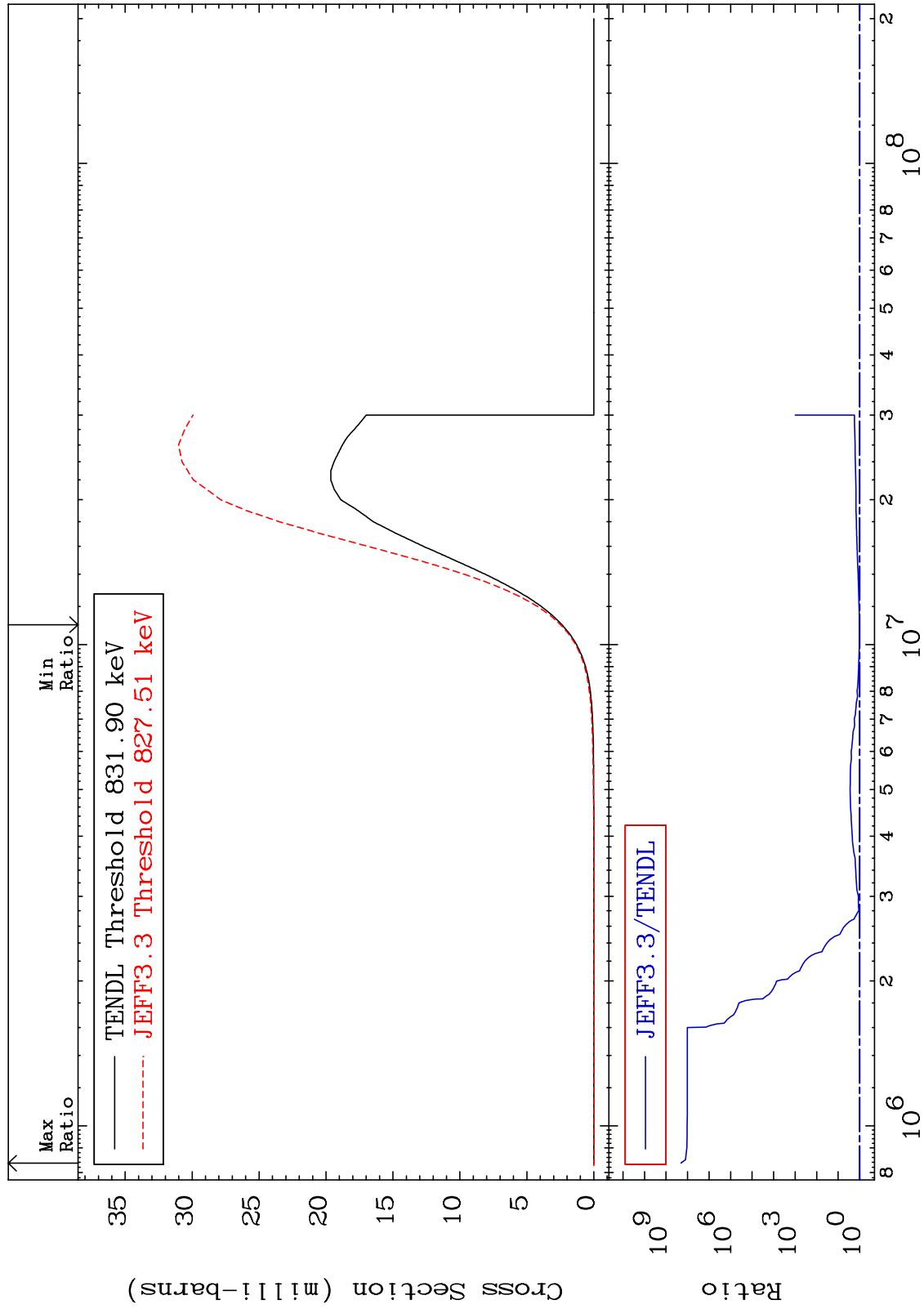


MAT 5331

(n, p):52-Te-129m1

53-I -129

Radionuclide Production Cross Section 4.523 To 9999. %



74

Incident Energy (eV)

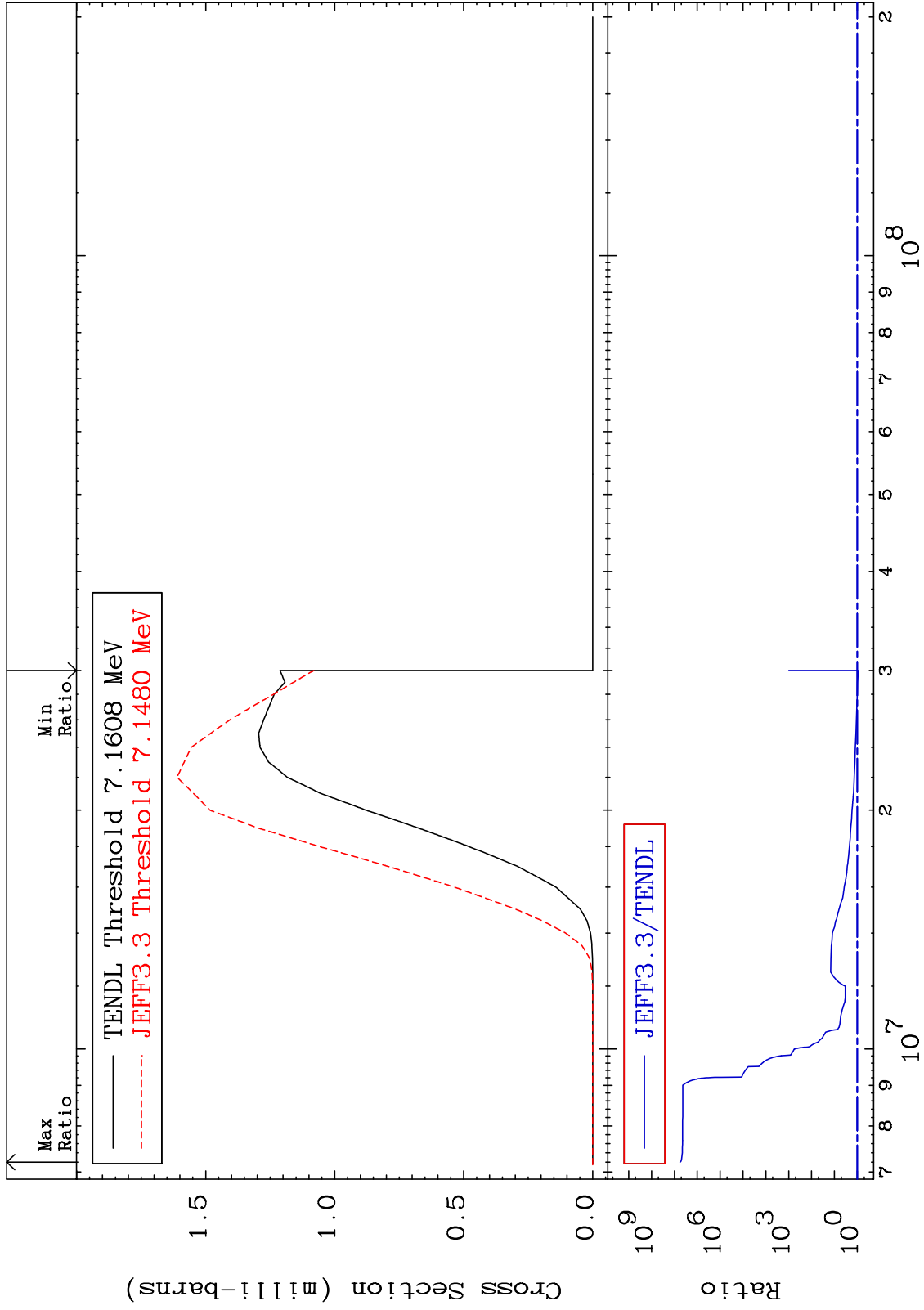
53-I -129

MAT 5331

53-I -129

(n, t):52-Te-127g

Radionuclide Production Cross Section -10.81 To 9999. %



75

Incident Energy (eV)

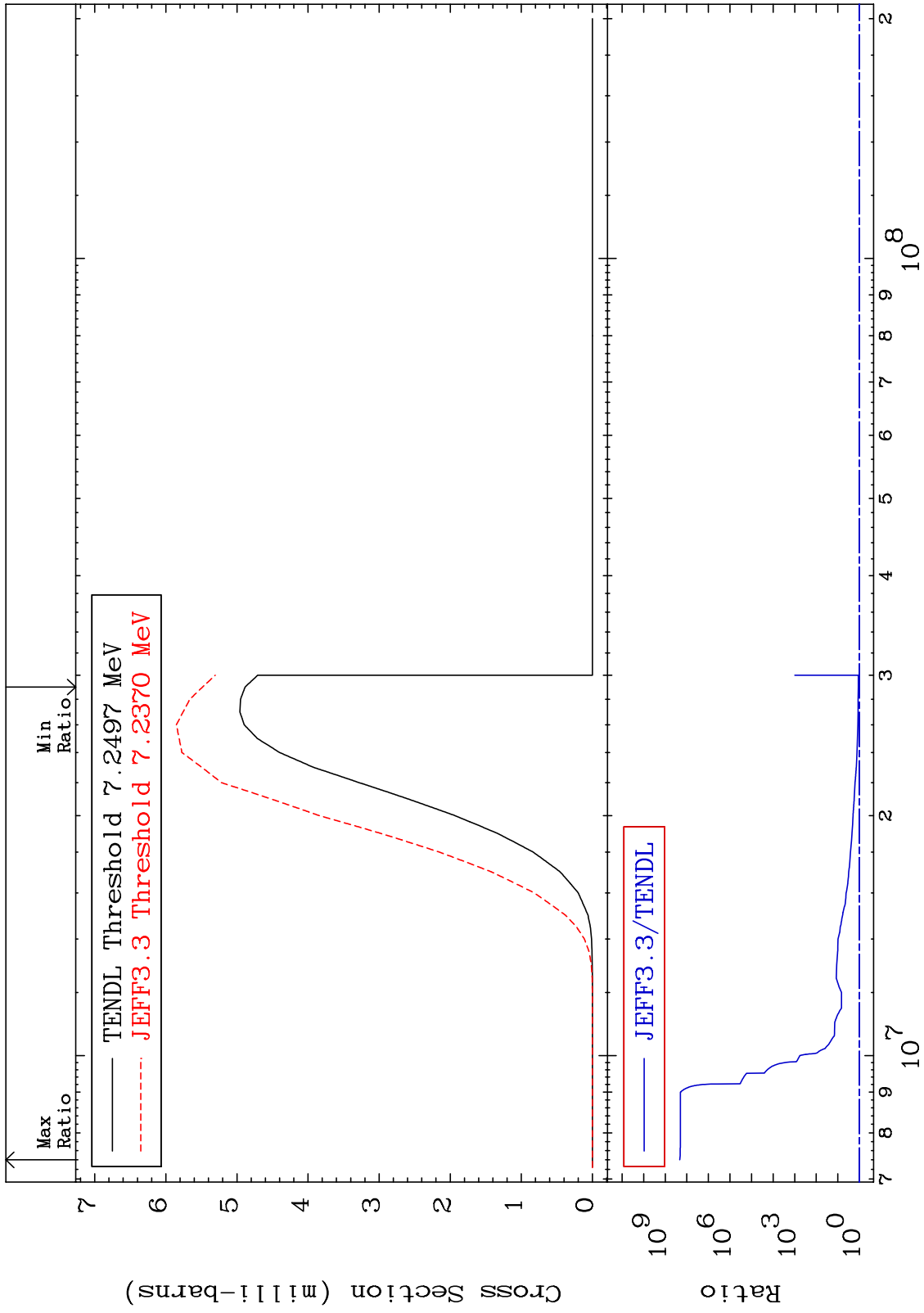
53-I -129

MAT 5331

(n, t) : 52-Te-127m2

53-I -129

Radionuclide Production Cross Section 12.25 To 9999. %



76

Incident Energy (eV)

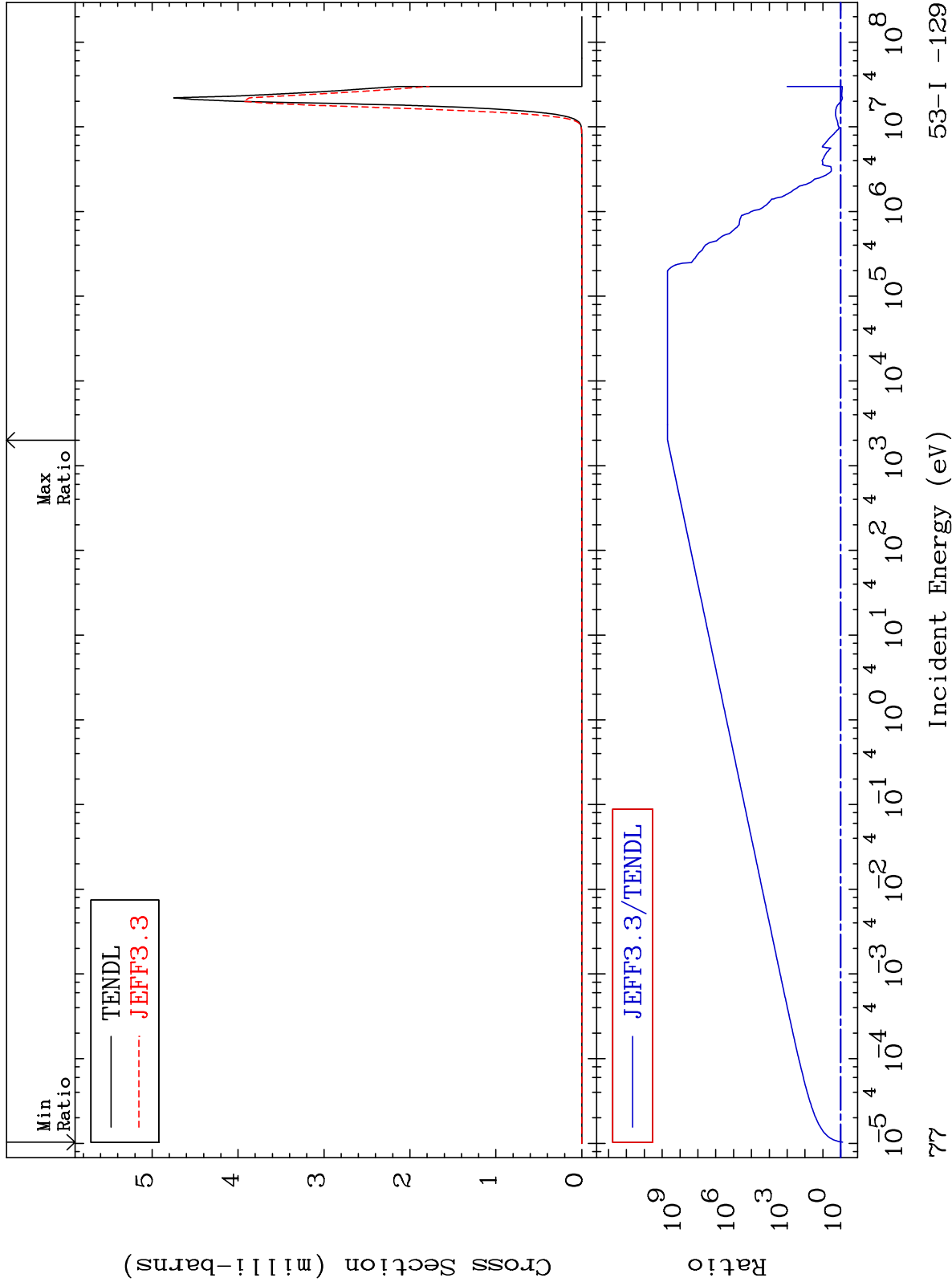
53-I -129

MAT 5331

(n, α):51-Sb-126g

53-I -129

Radionuclide Production Cross Section -21.88 To 9999. %



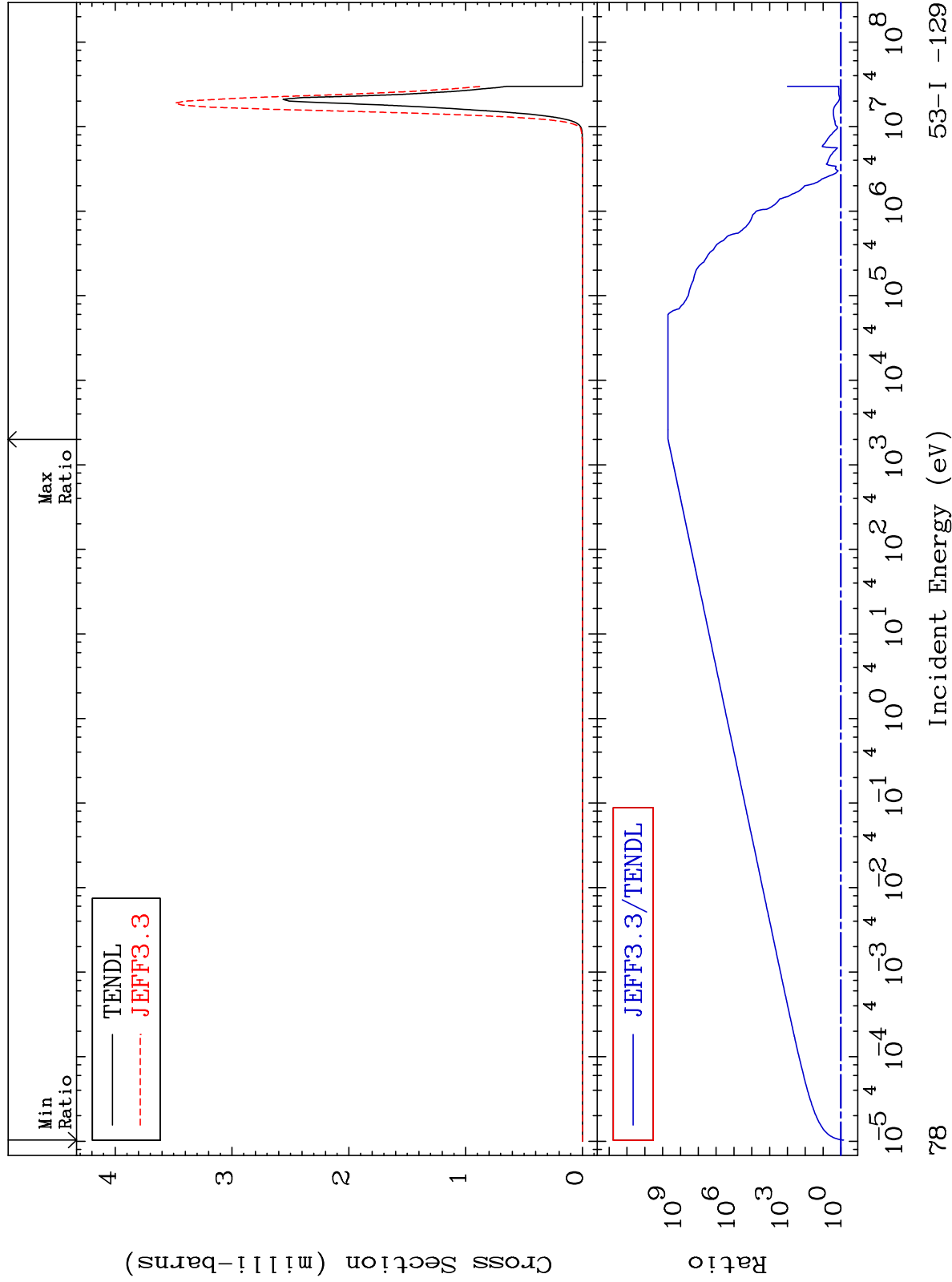
77

MAT 5331

(n, α):51-Sb-126m1

53-I -129

Radionuclide Production Cross Section -21.88 To 9999. %



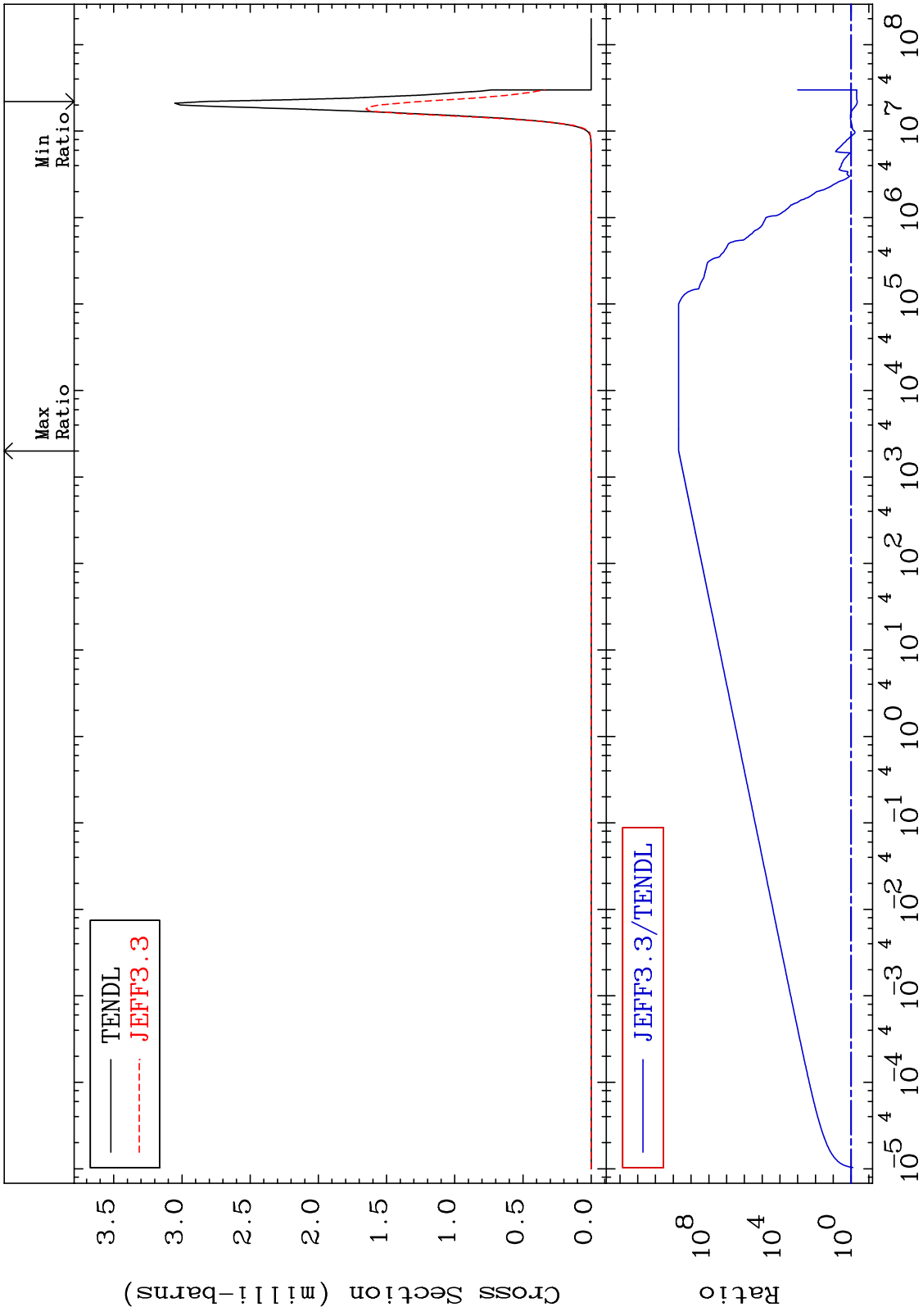
78

MAT 5331

(n, α):51-Sb-126m2

53-I -129

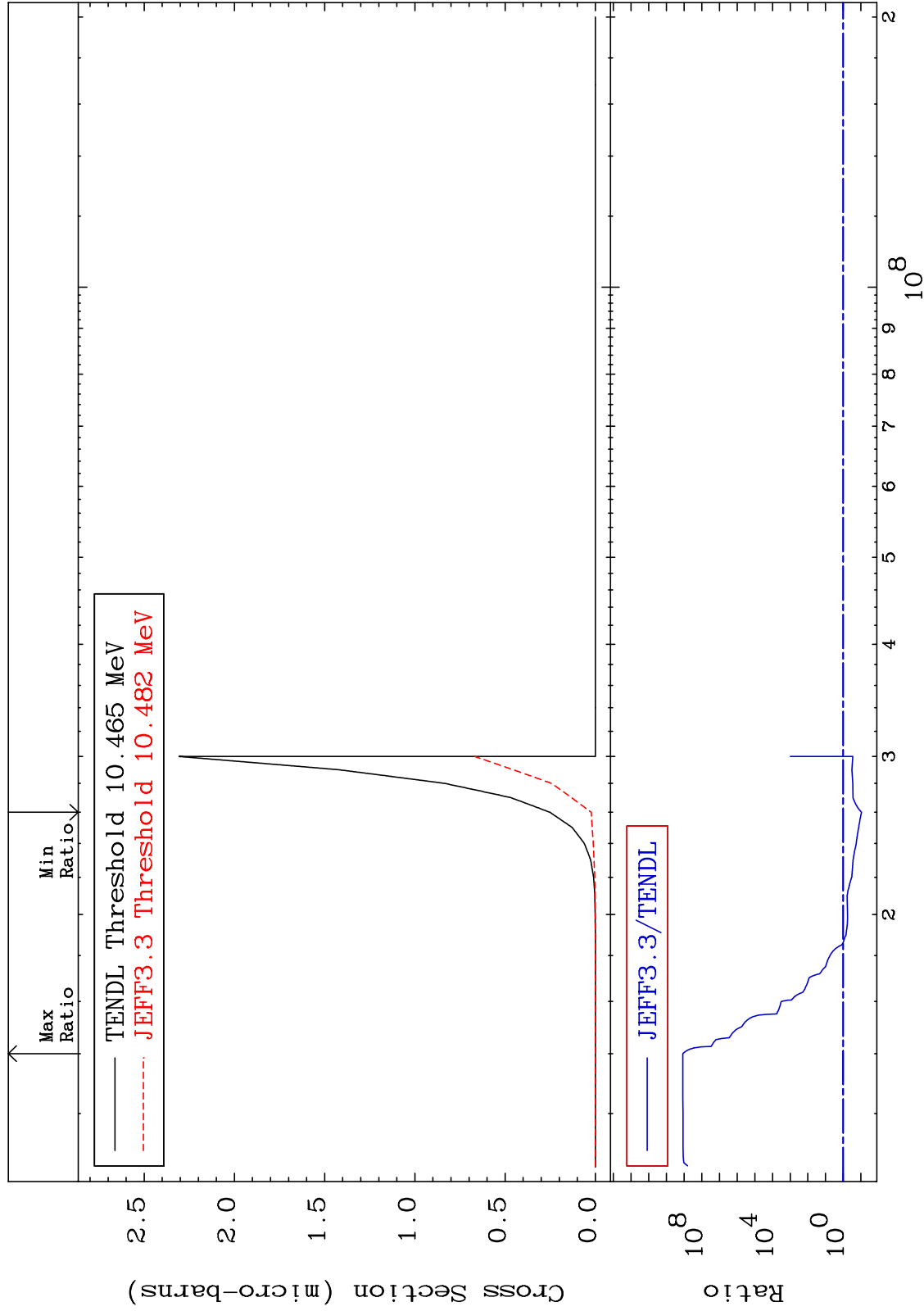
Radionuclide Production Cross Section -55.60 To 9999. %

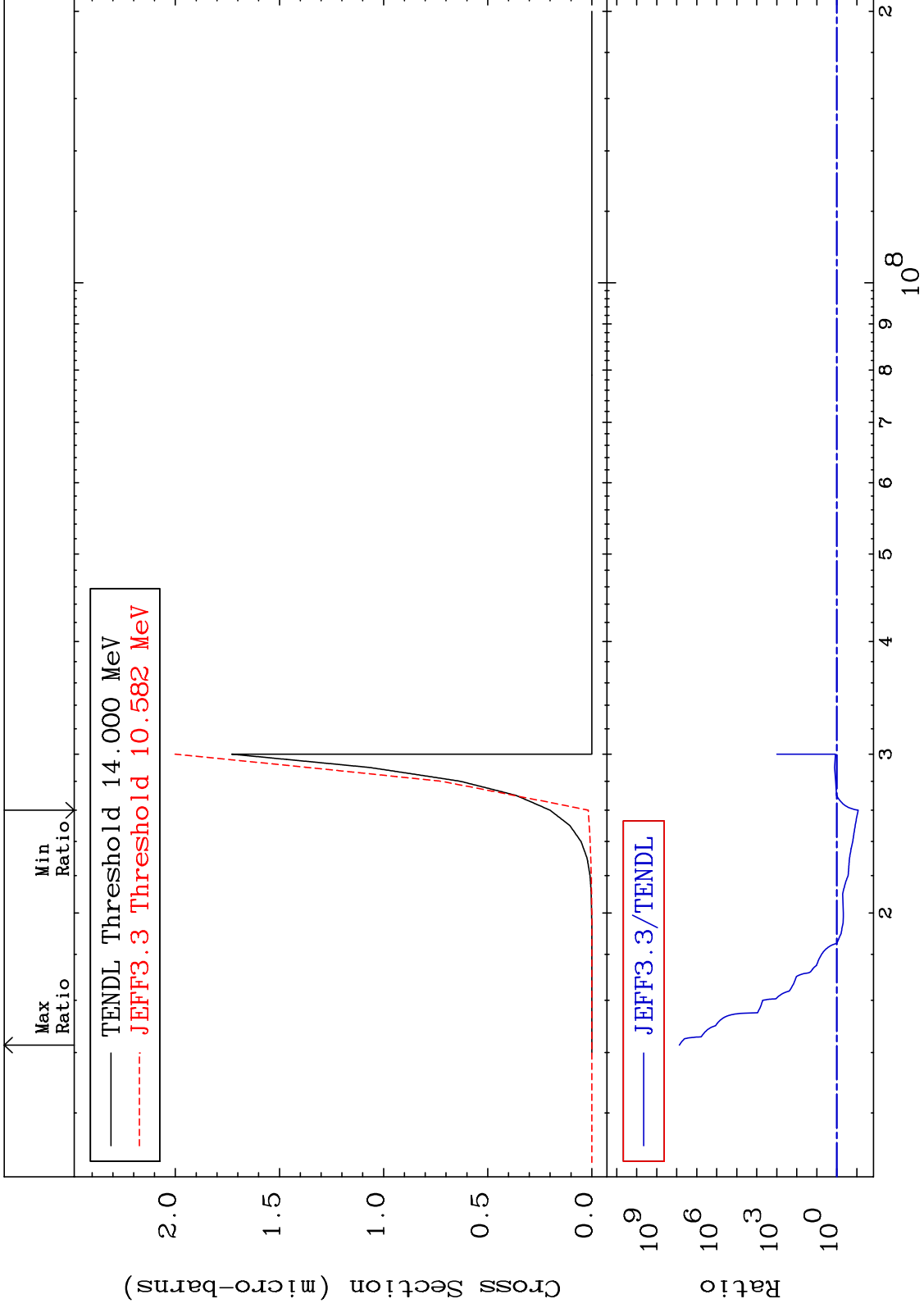


79

Incident Energy (eV)

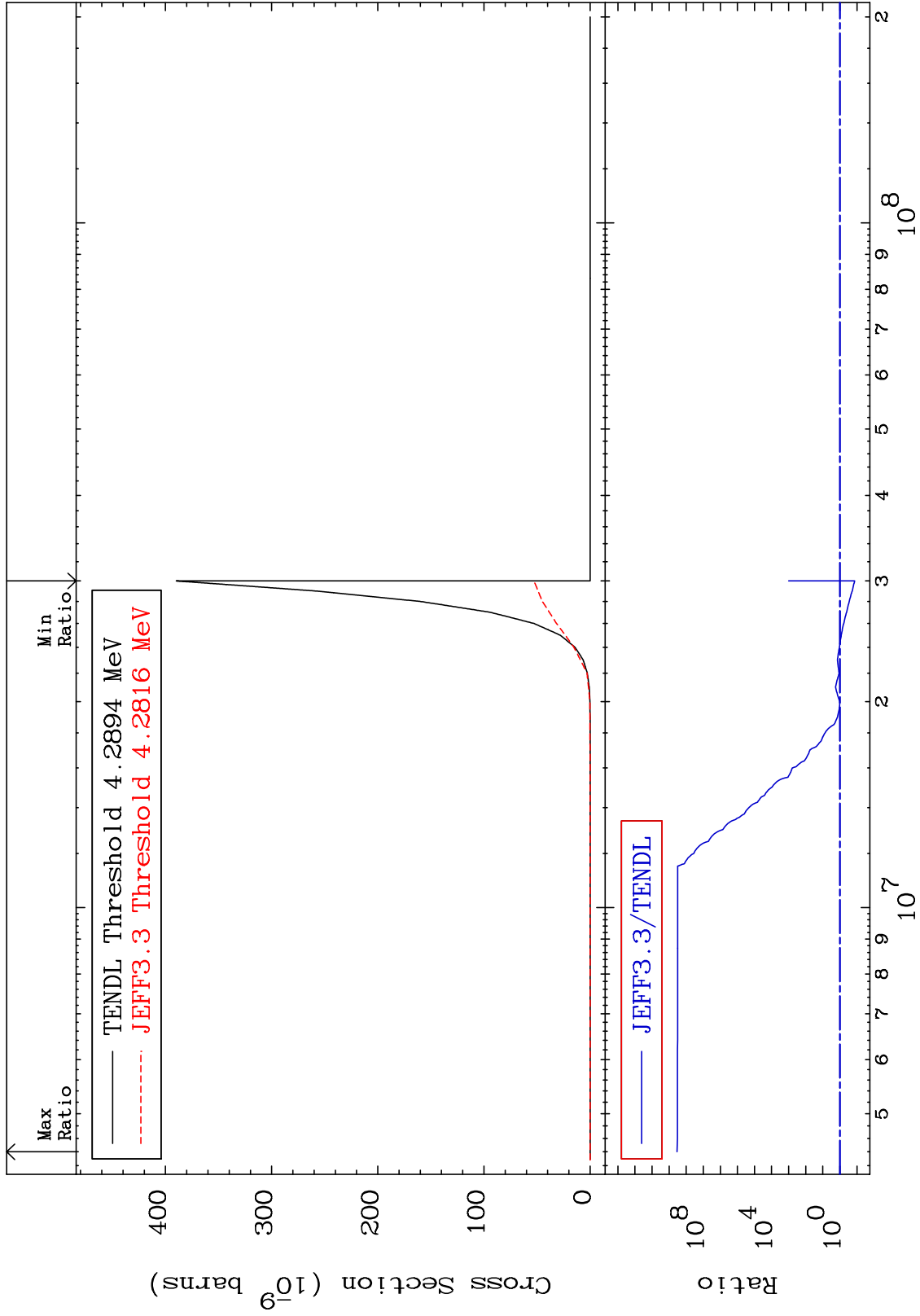
53-I -129



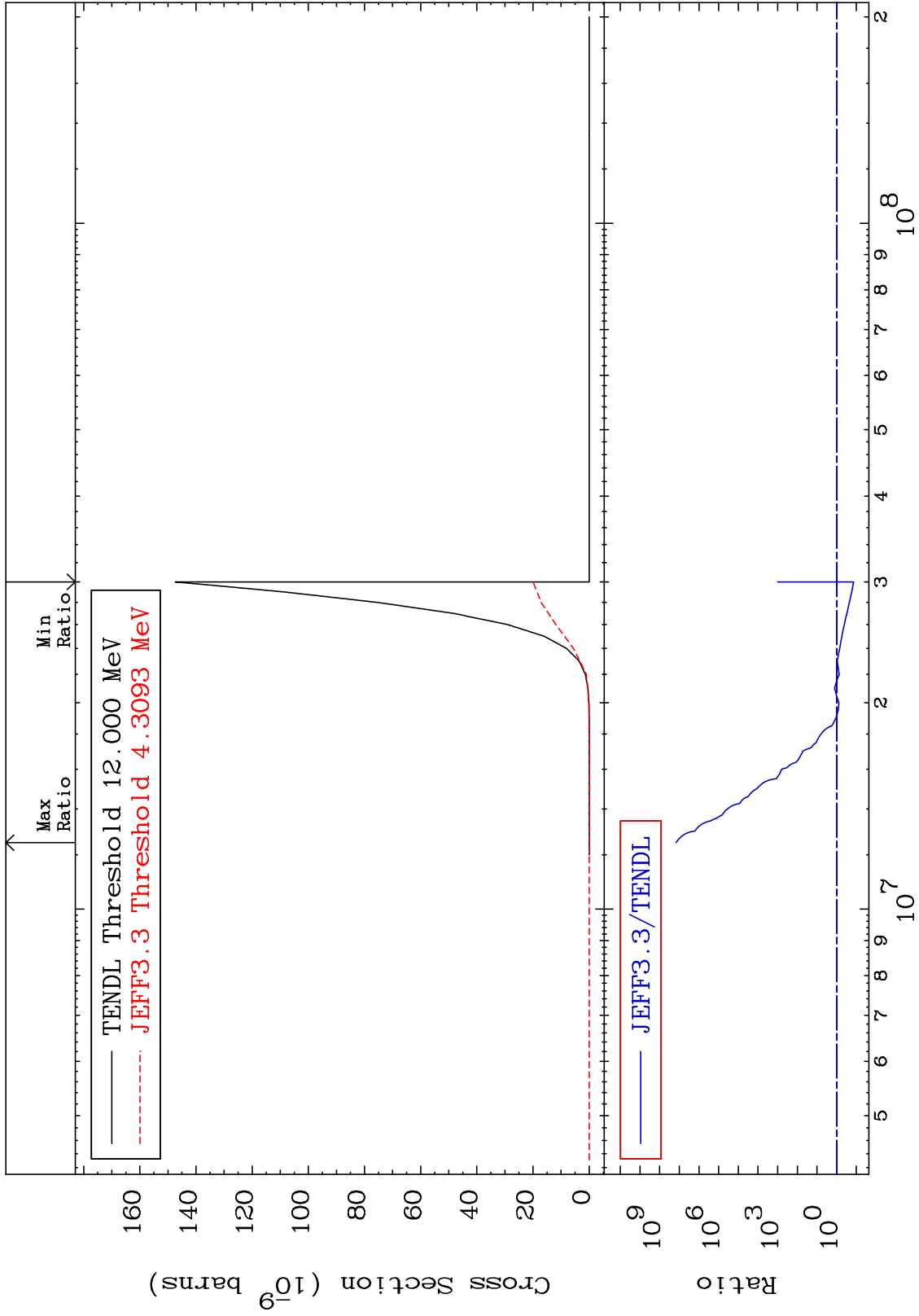


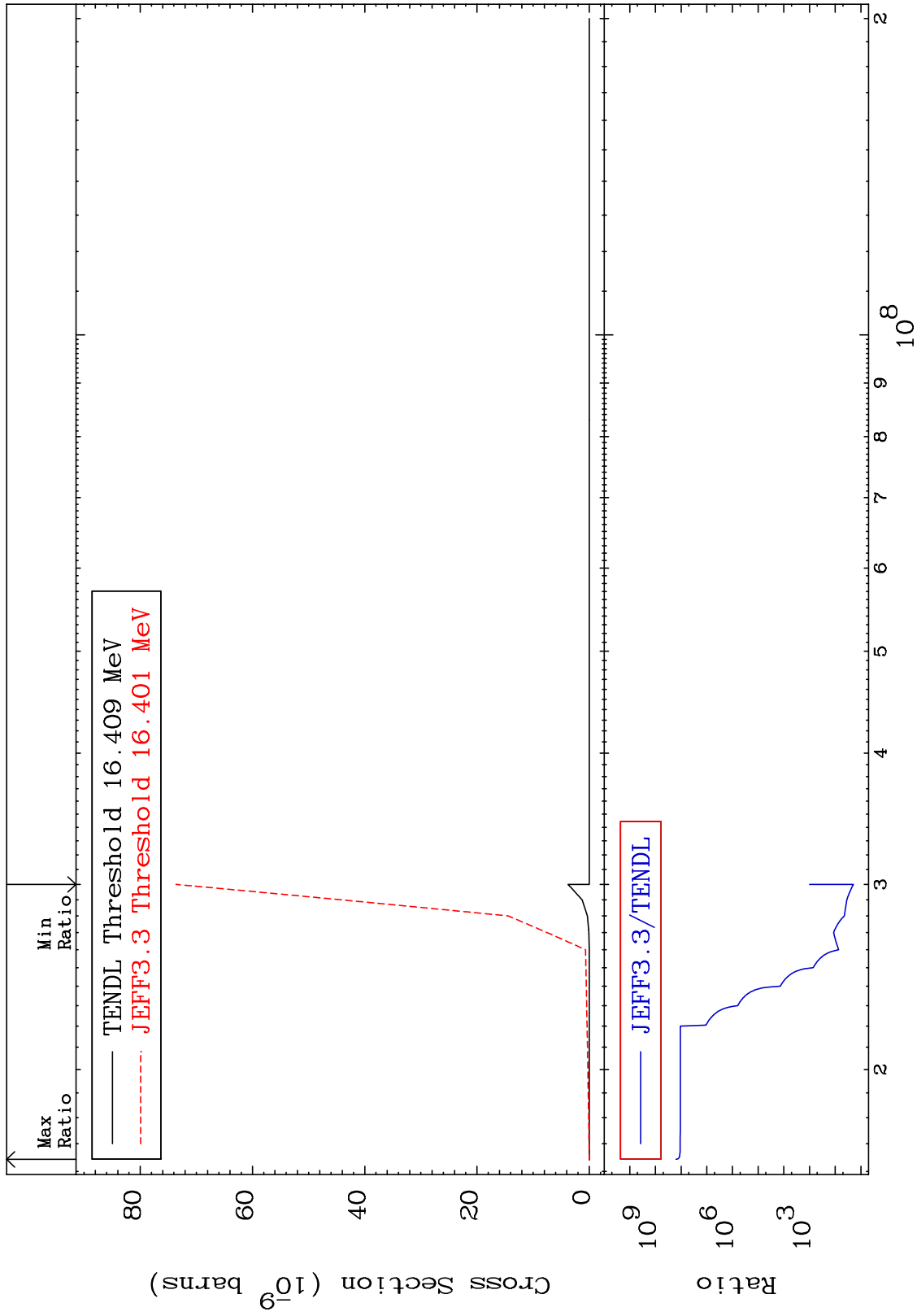
MAT 5331

(n, p) α :50-Sn-125g 53-I -129
Radionuclide Production Cross Section -86.42 To 9999. %

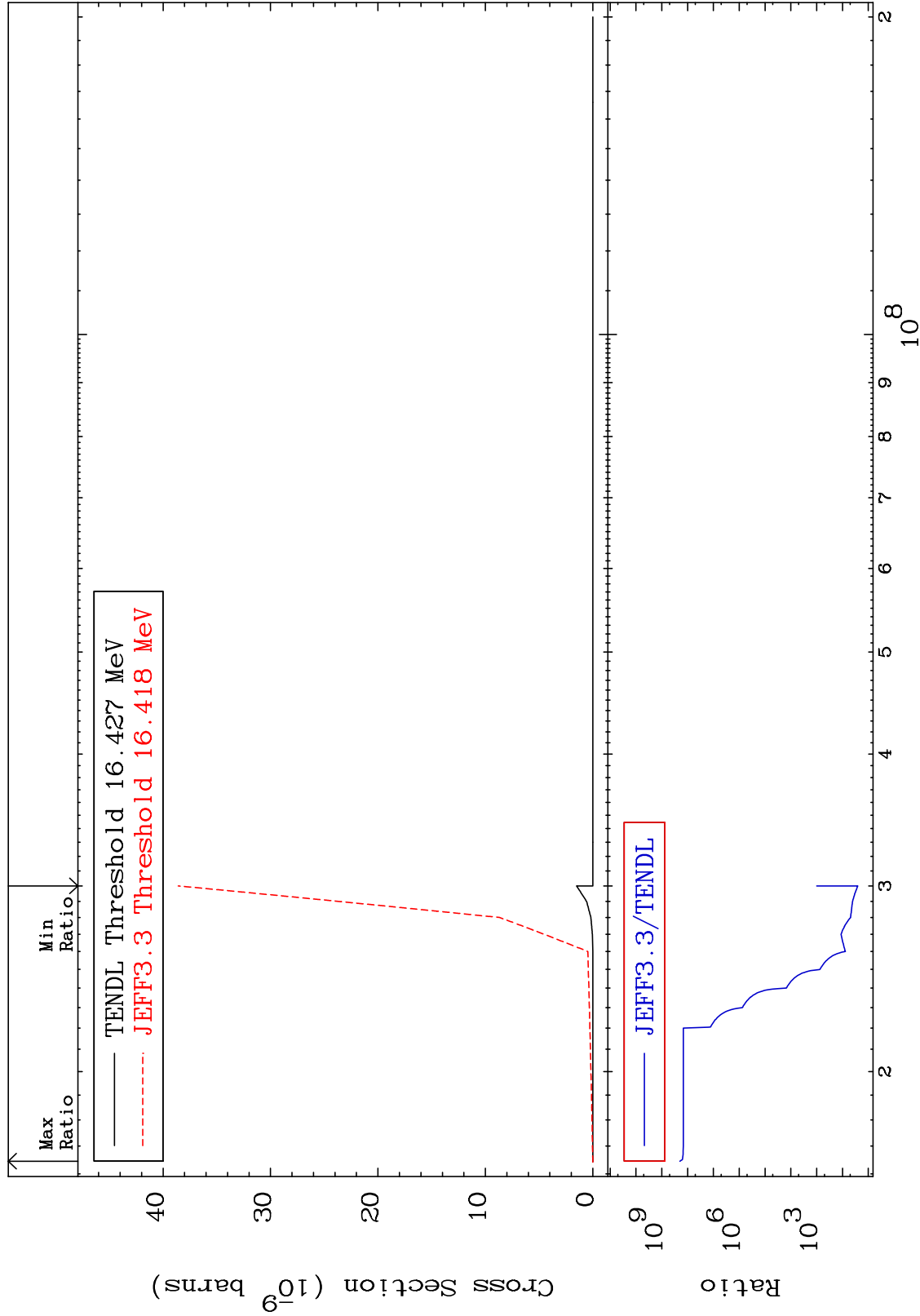


Radionuclide Production Cross Section -86.41 To 9999. %





Radionuclide Production Cross Section 2446. To 9999. %



Radionuclide Production Cross Section 820.8 To 9999. %

