

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

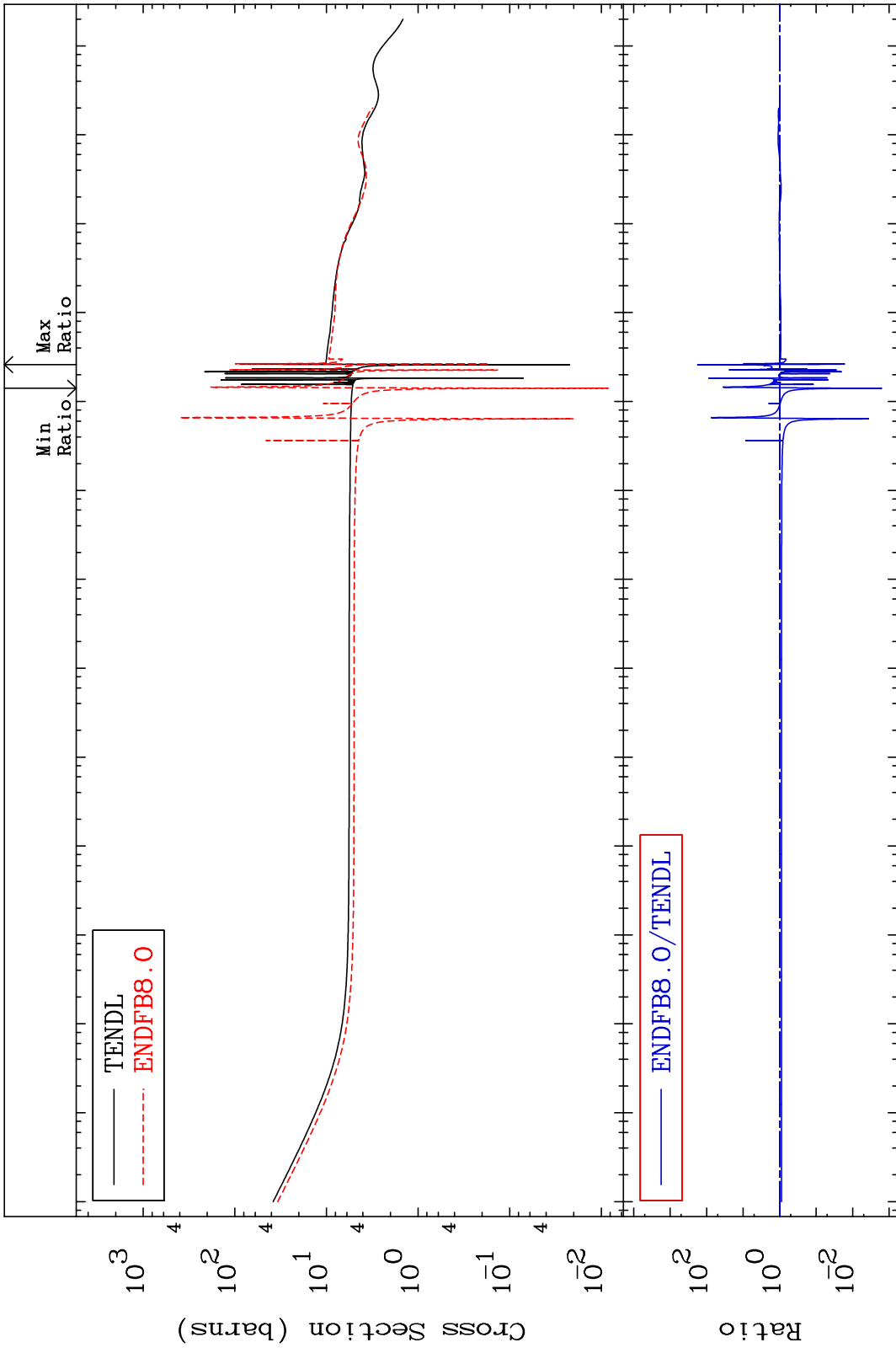
MAT 3449

Total

34-Se-82

Cross Section

-99.84 To 9999. %



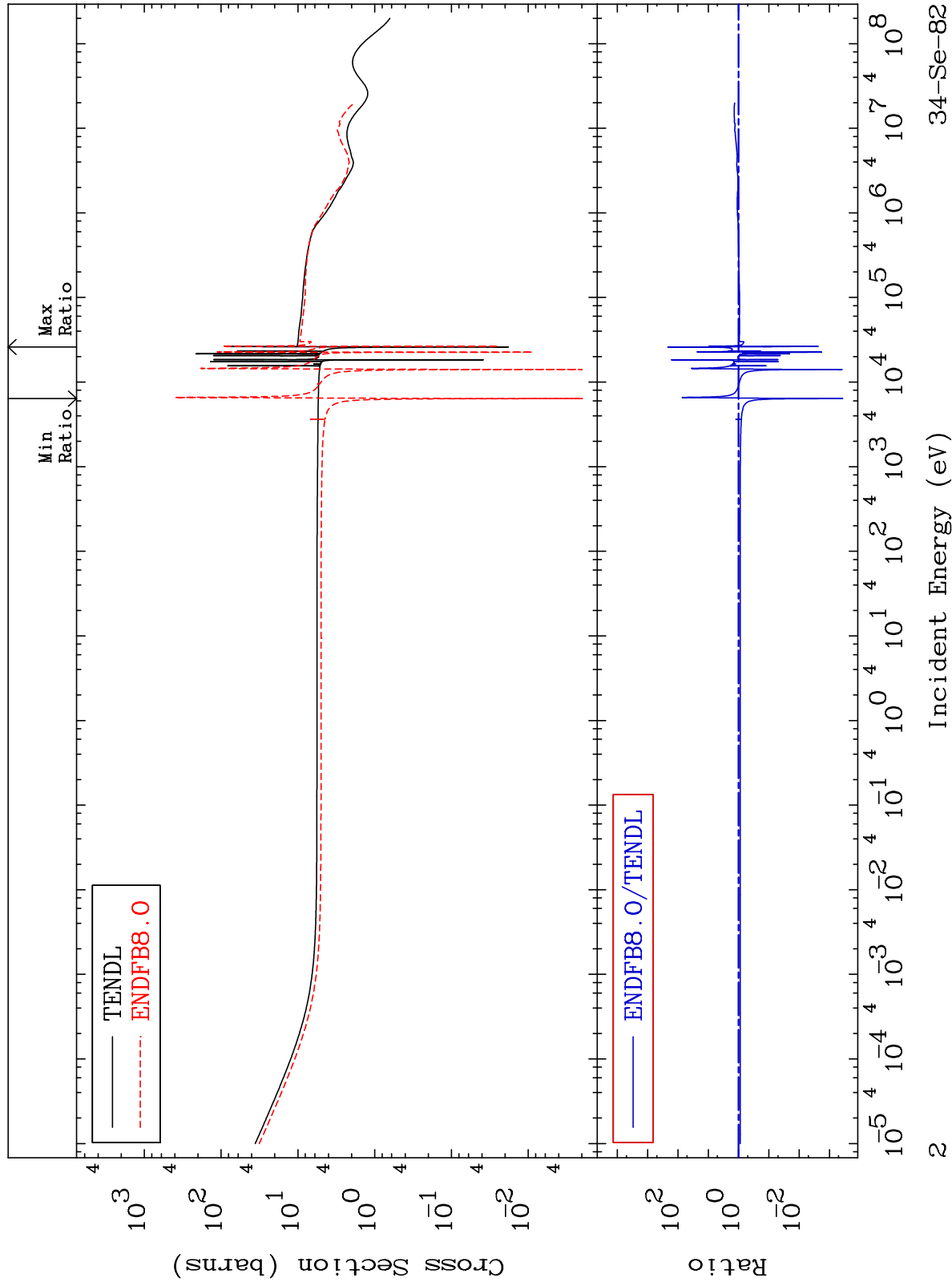
Incident Energy (eV)

34-Se-82

MAT 3449

Elastic
Cross Section

34-Se-82
-99.96 To 9999. %



34-Se-82

Incident Energy (eV)

2

MAT 3449

³⁴Se-82

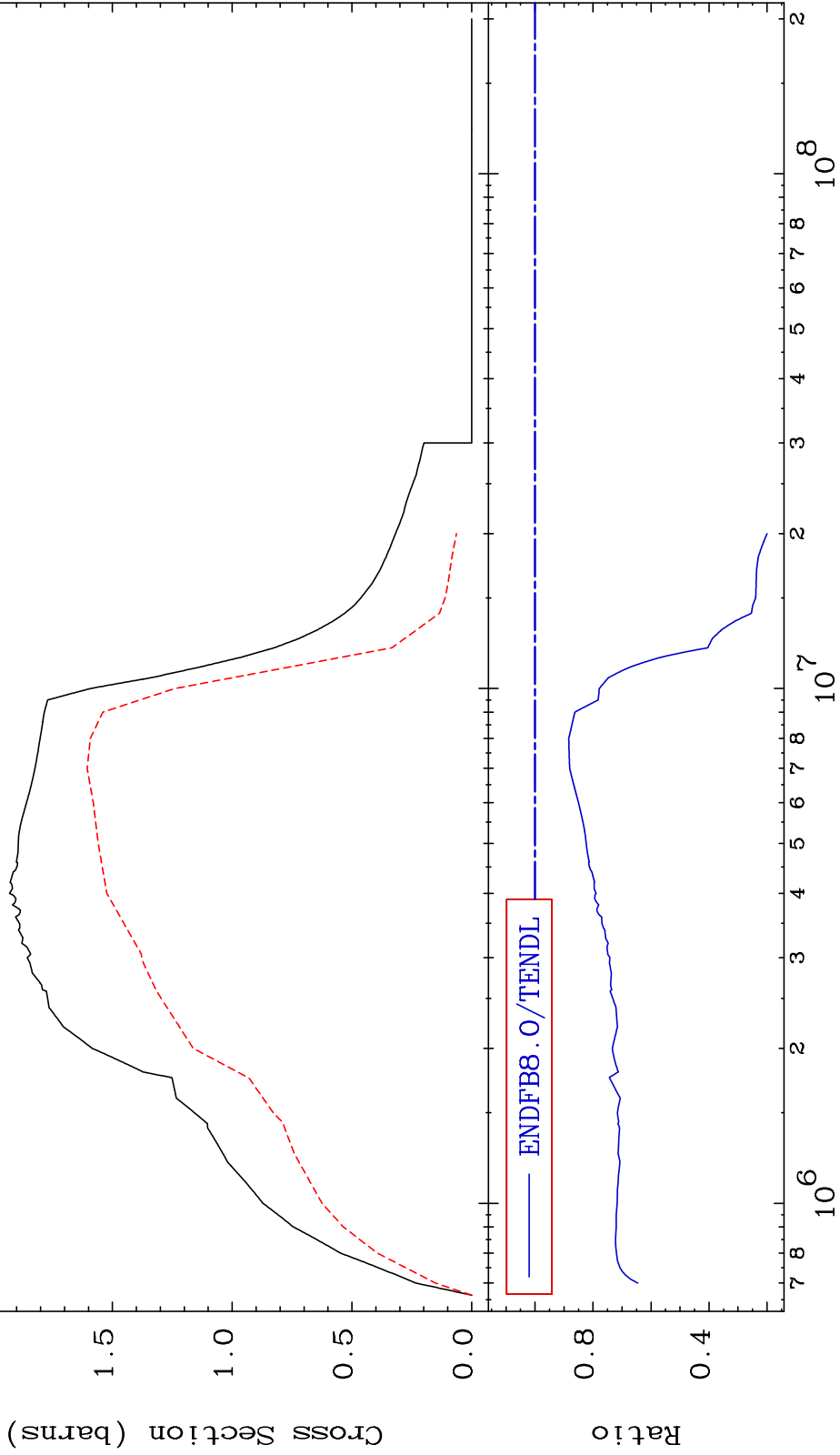
-80.02 To -11.64%

Inelastic
Cross Section

Max Ratio
Min Ratio

— TENDL Threshold 662.81 keV
- - - ENDFB8.0 Threshold 662.81 keV

— ENDFB8.0/TENDL



3

Incident Energy (eV)

³⁴Se-82

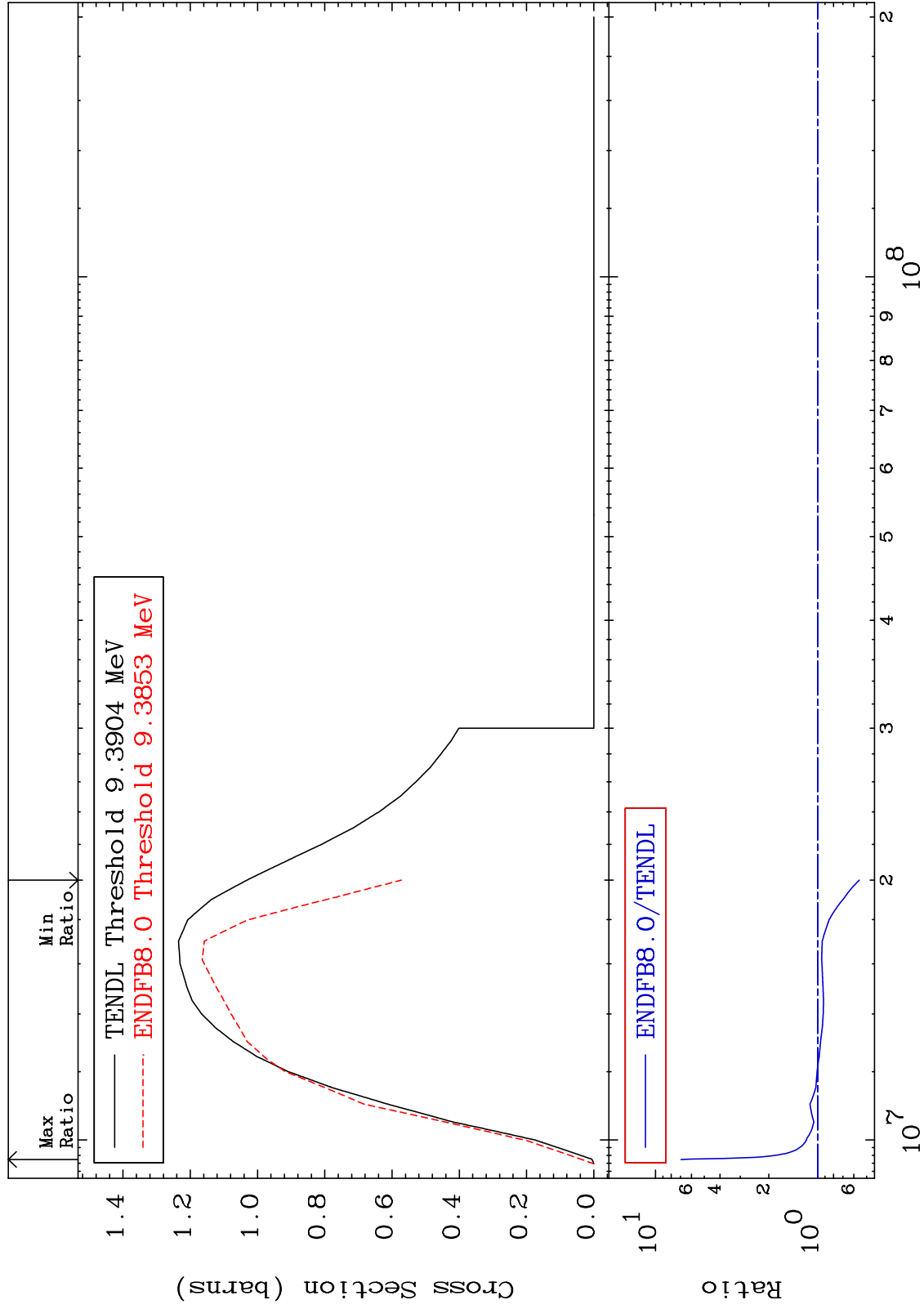
MAT 3449

(n,2n)

34-Se-82

Cross Section

-44.56 To 595.1 %



34-Se-82

Incident Energy (eV)

4

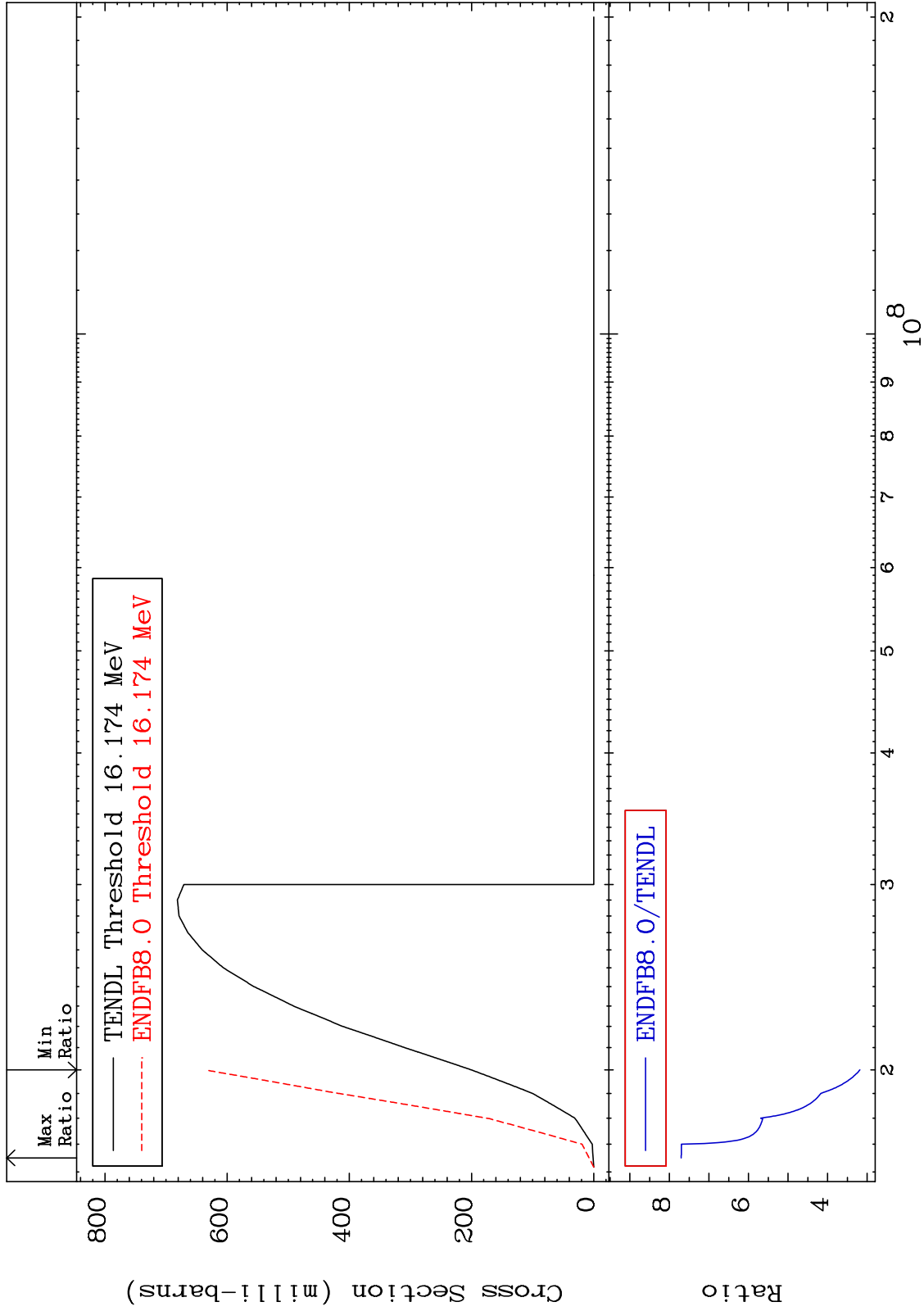
MAT 3449

(n,3n)

³⁴Se-82

Cross Section

218.1 To 670.1 %



5

Incident Energy (eV)

³⁴Se-82

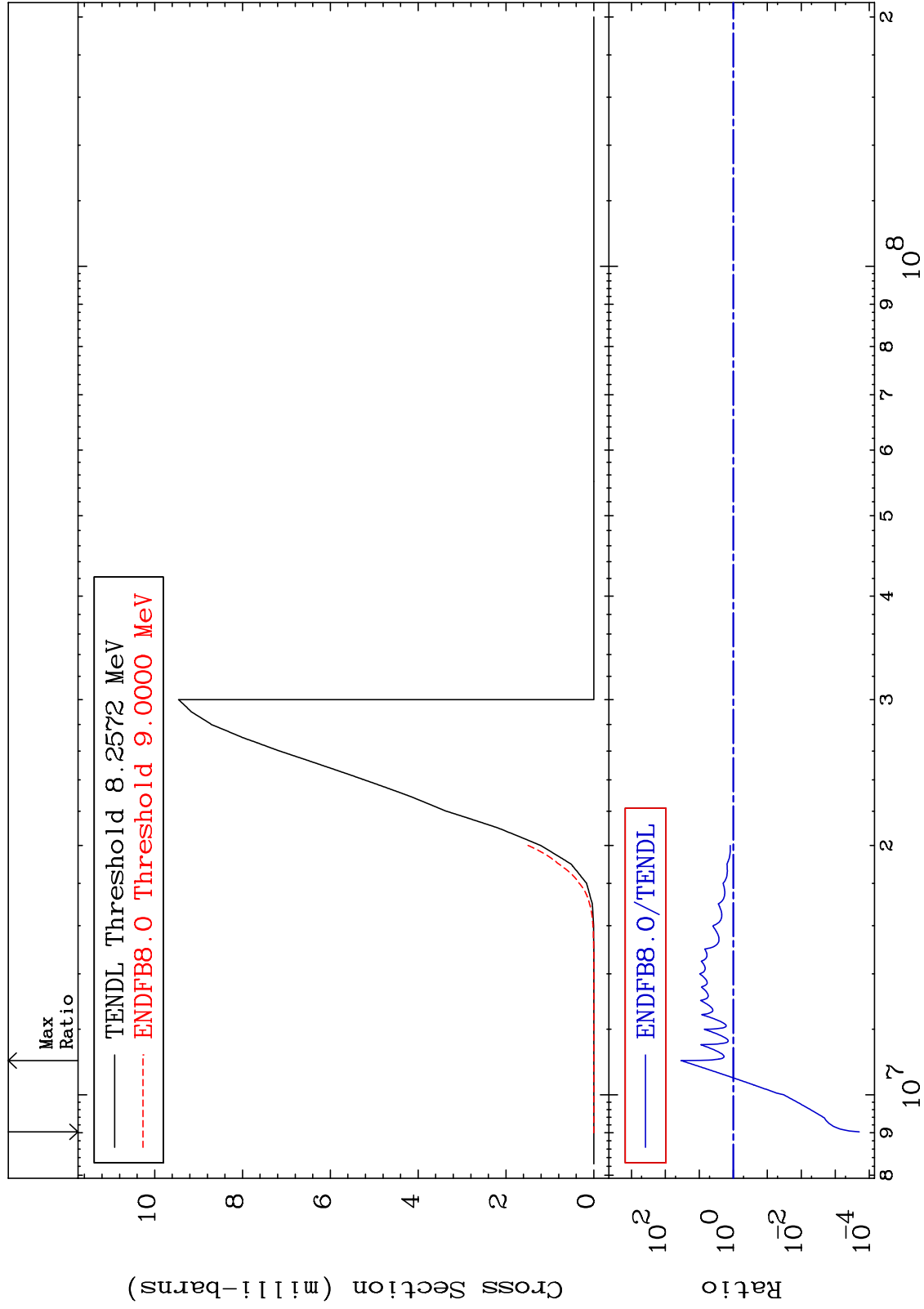
MAT 3449

(n,n') α

34-Se-82

Cross Section

-99.98 To 3359. %



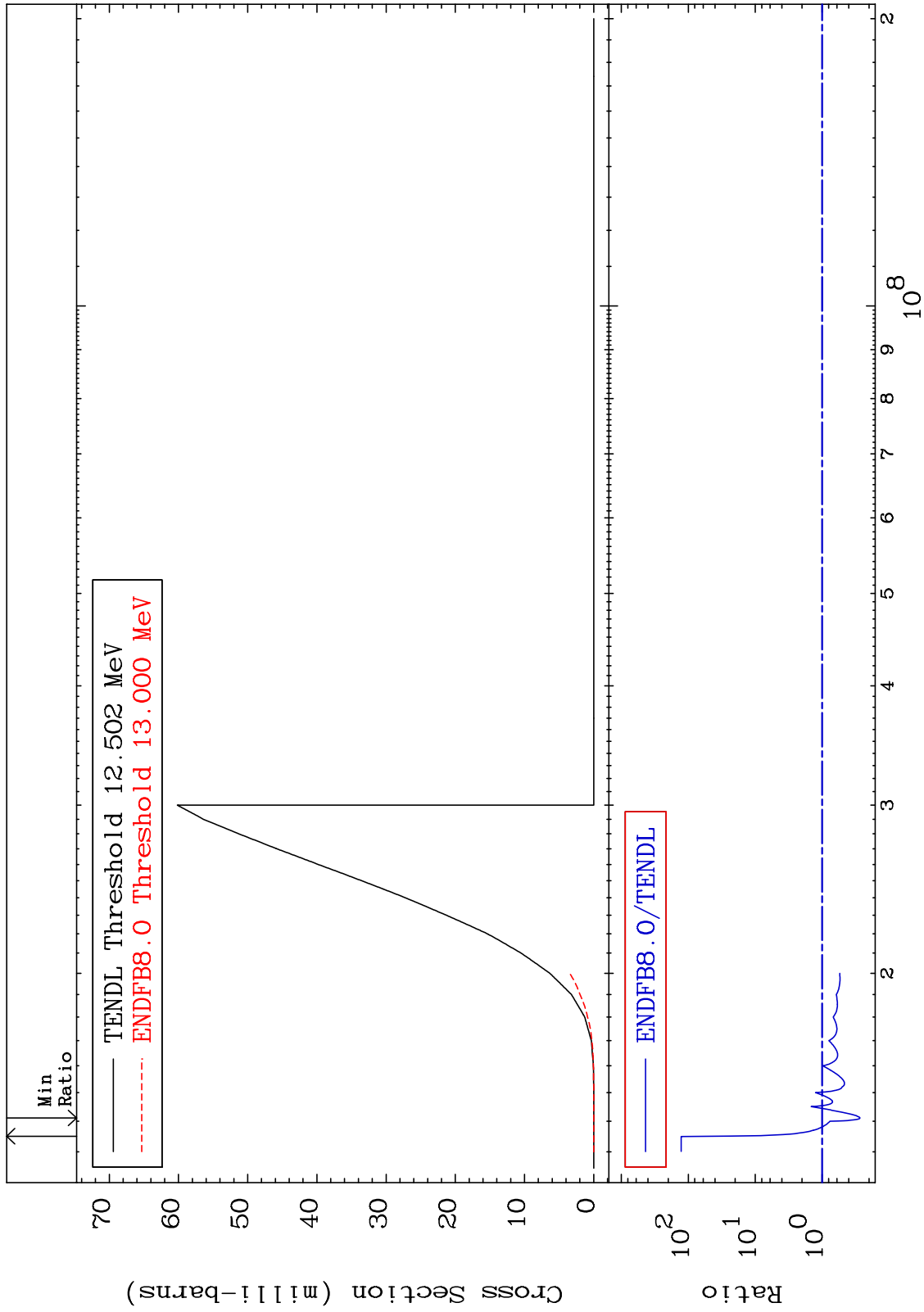
34-Se-82

34-Se-82

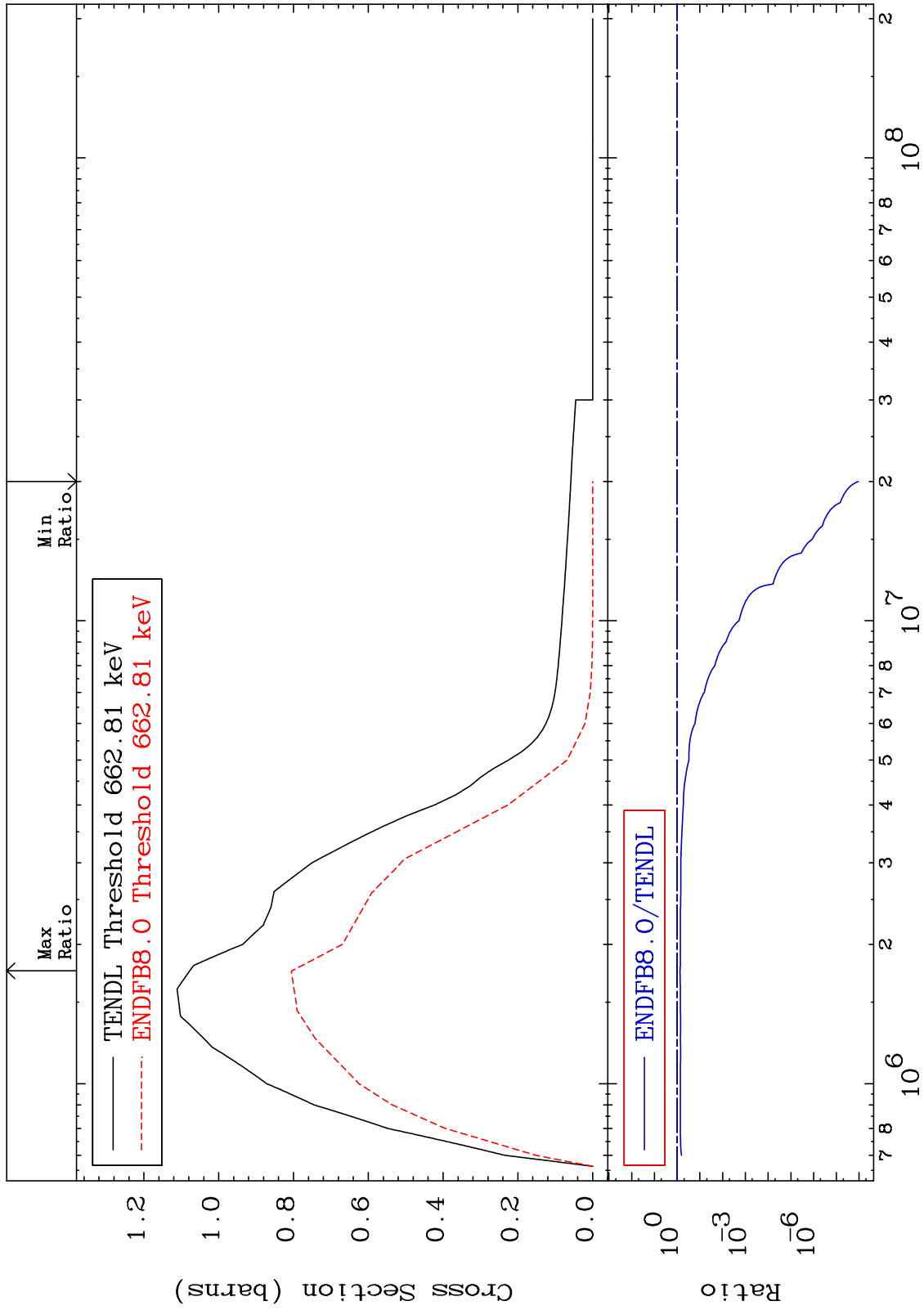
MAT 3449

(n,n') p
Cross Section

34-Se-82
-72.72 To 9999. %



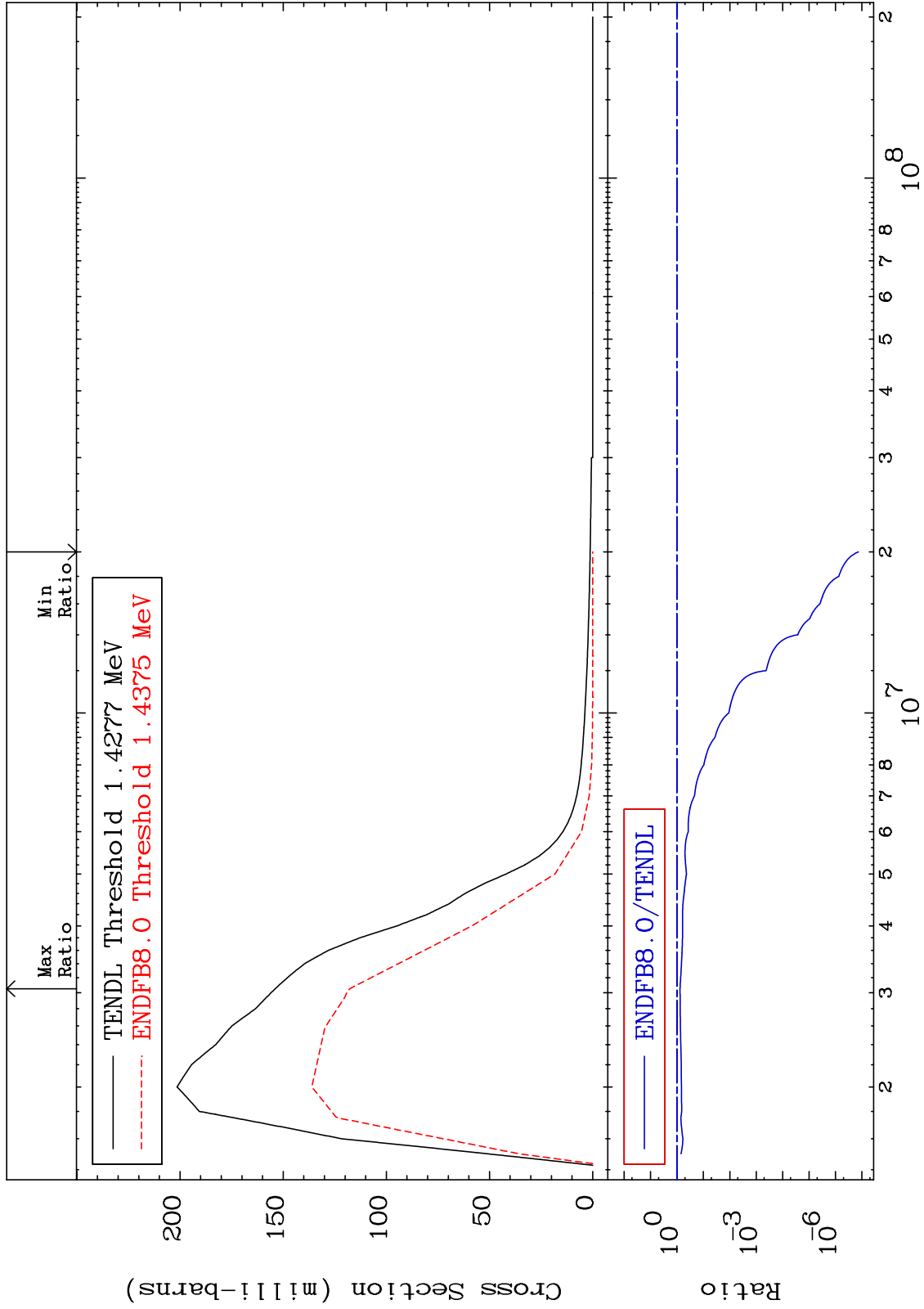
MAT 3449 MT= 51 (n,n') Level Cross Section 34-Se-82 -100.0 To -25.18%



MAT 3449

MT= 52 (n, n') Level
Cross Section

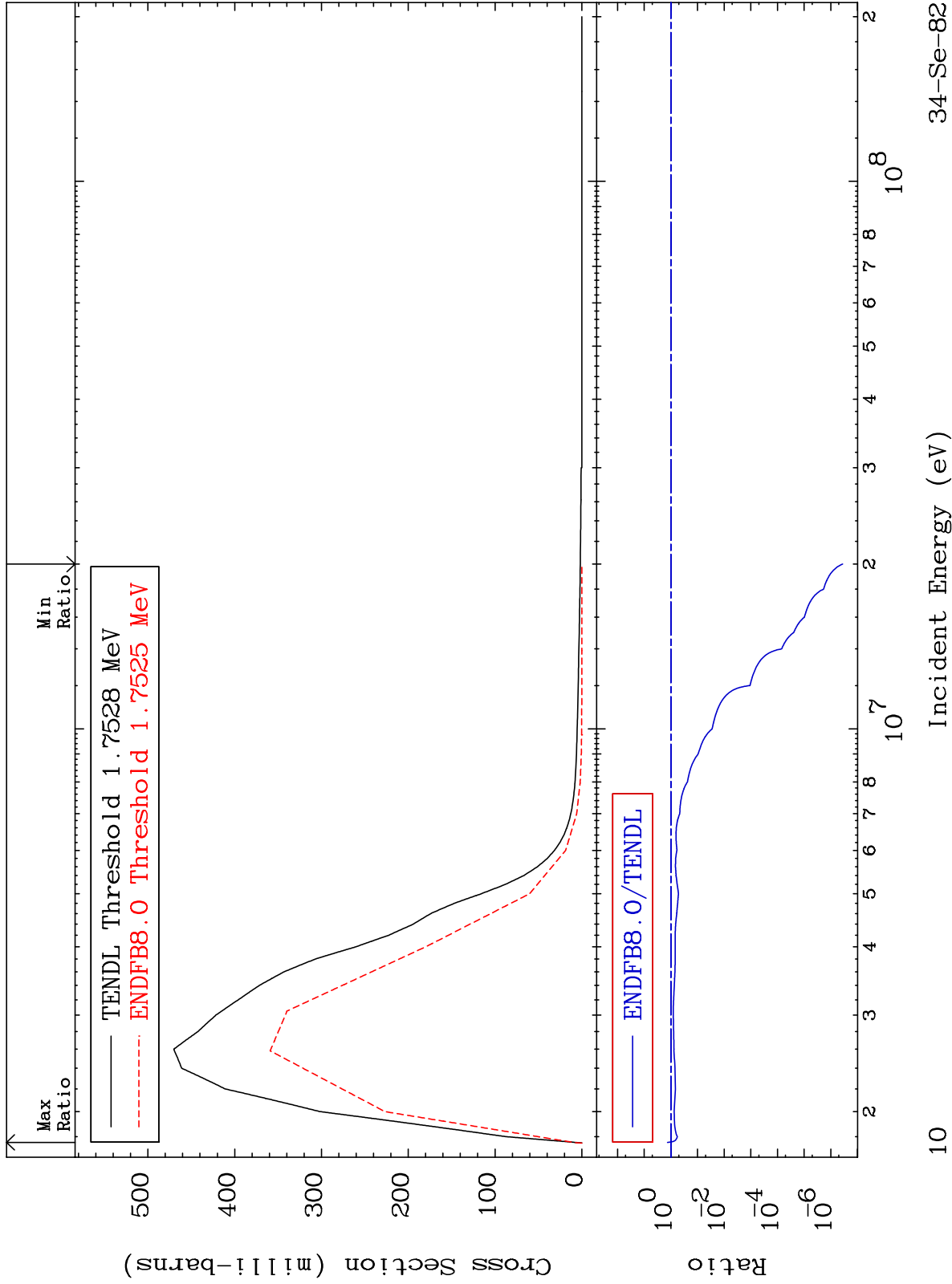
34-Se-82
-100.0 To -23.43%



MAT 3449

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

34-Se-82
-100.0 To 33.23 %



10

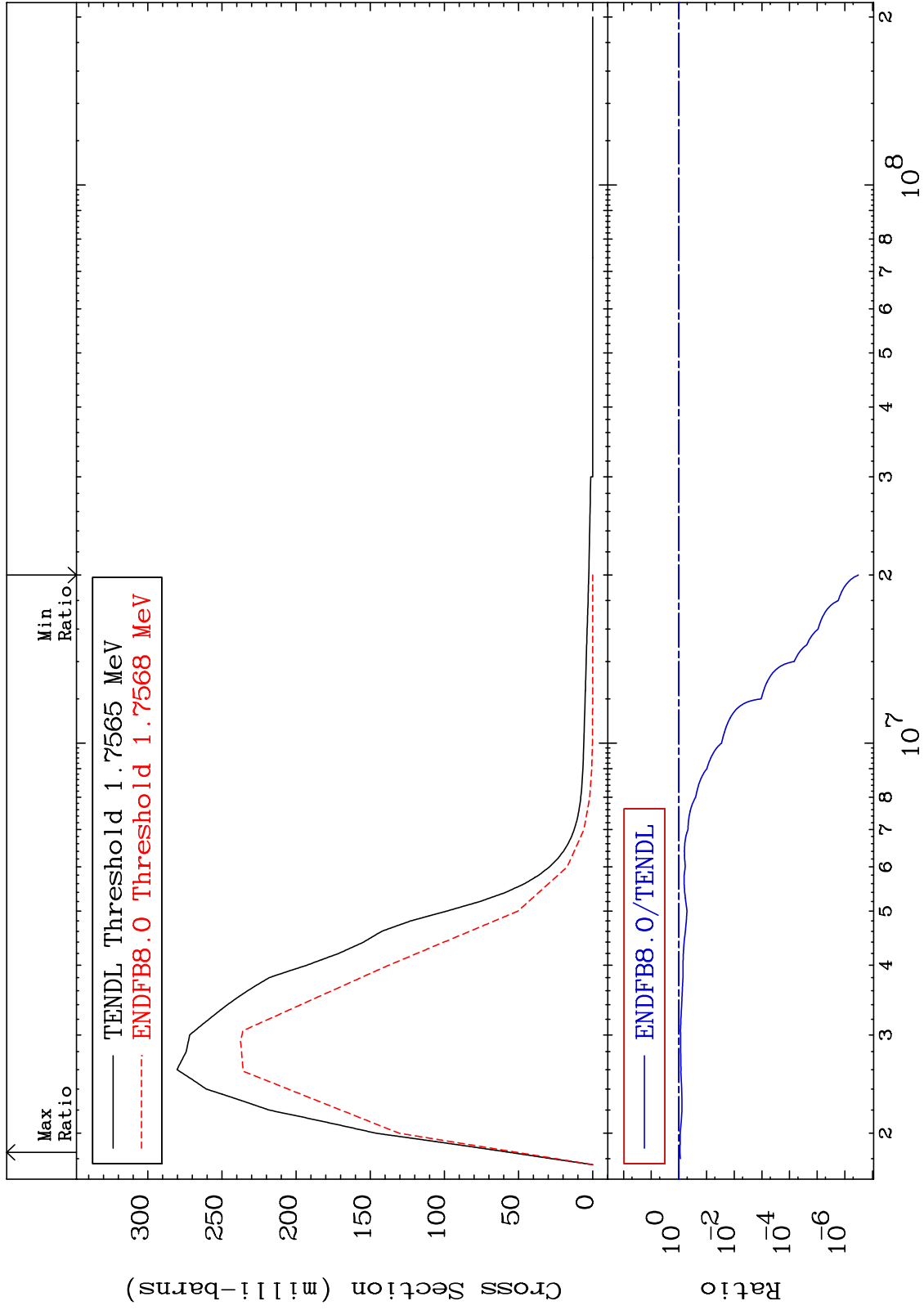
Incident Energy (eV)

34-Se-82

MAT 3449

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

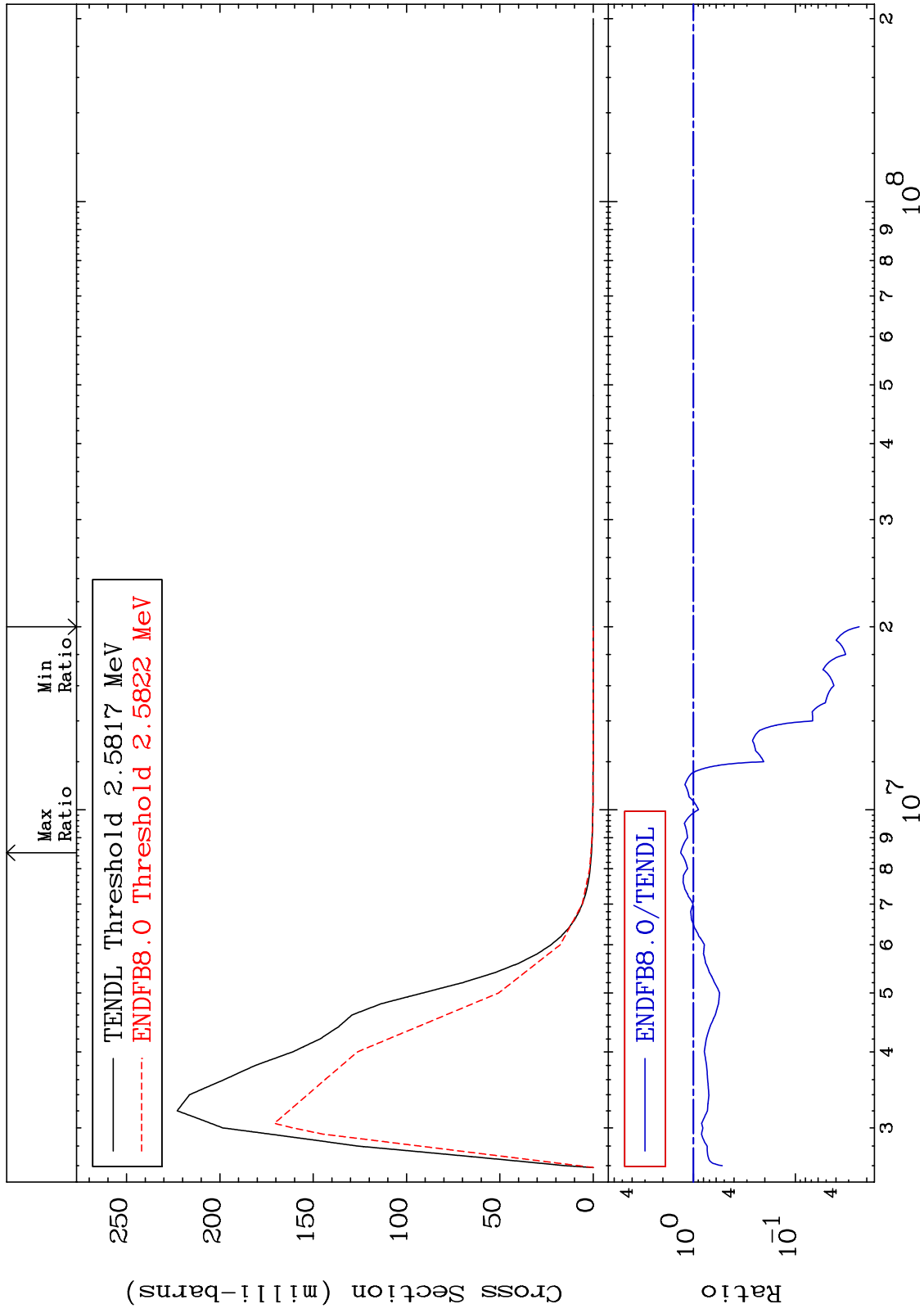
34-Se-82
-100.0 To -8.826%



MAT 3449

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

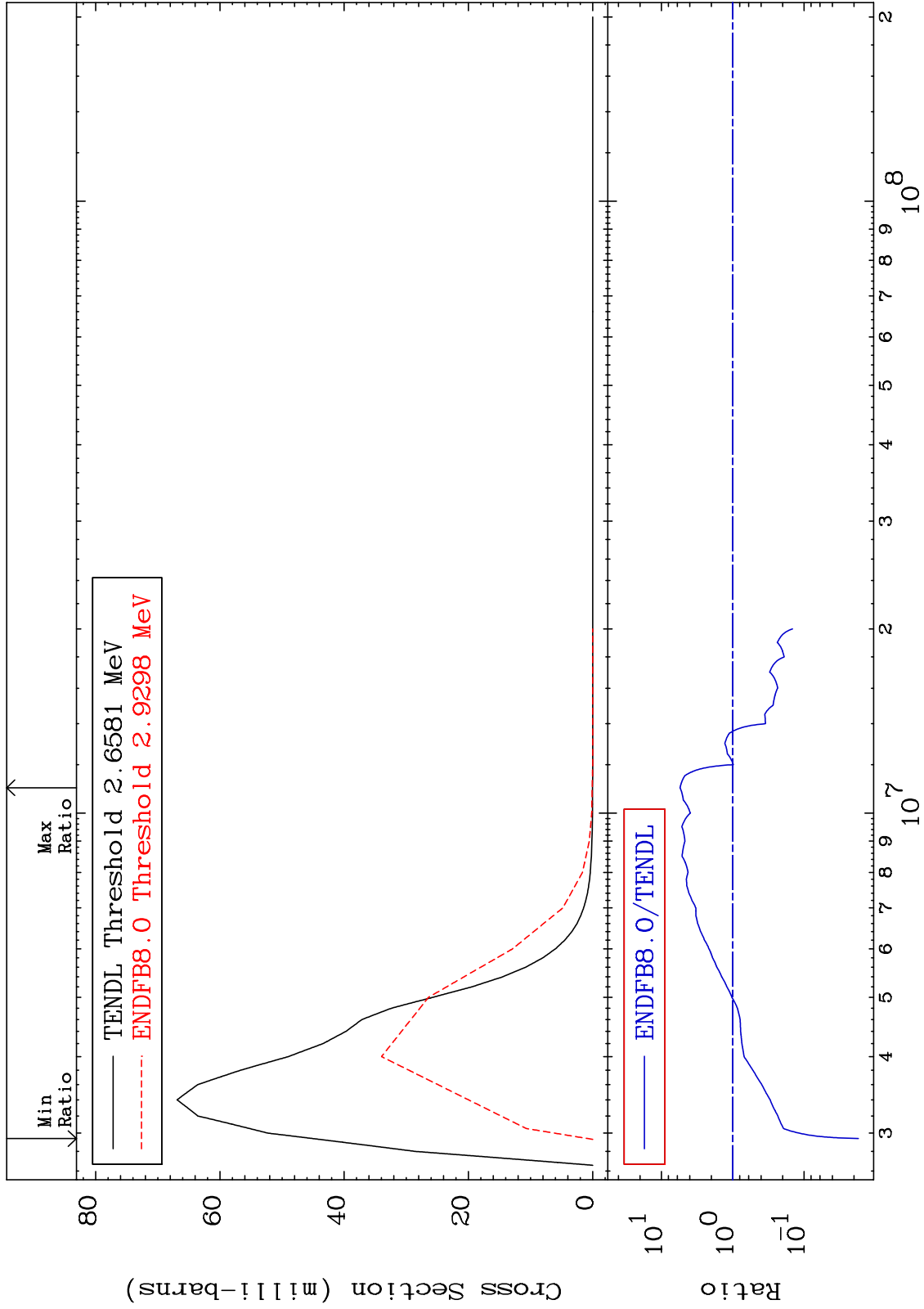
34-Se-82
-97.63 To 33.83 %



MAT 3449

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

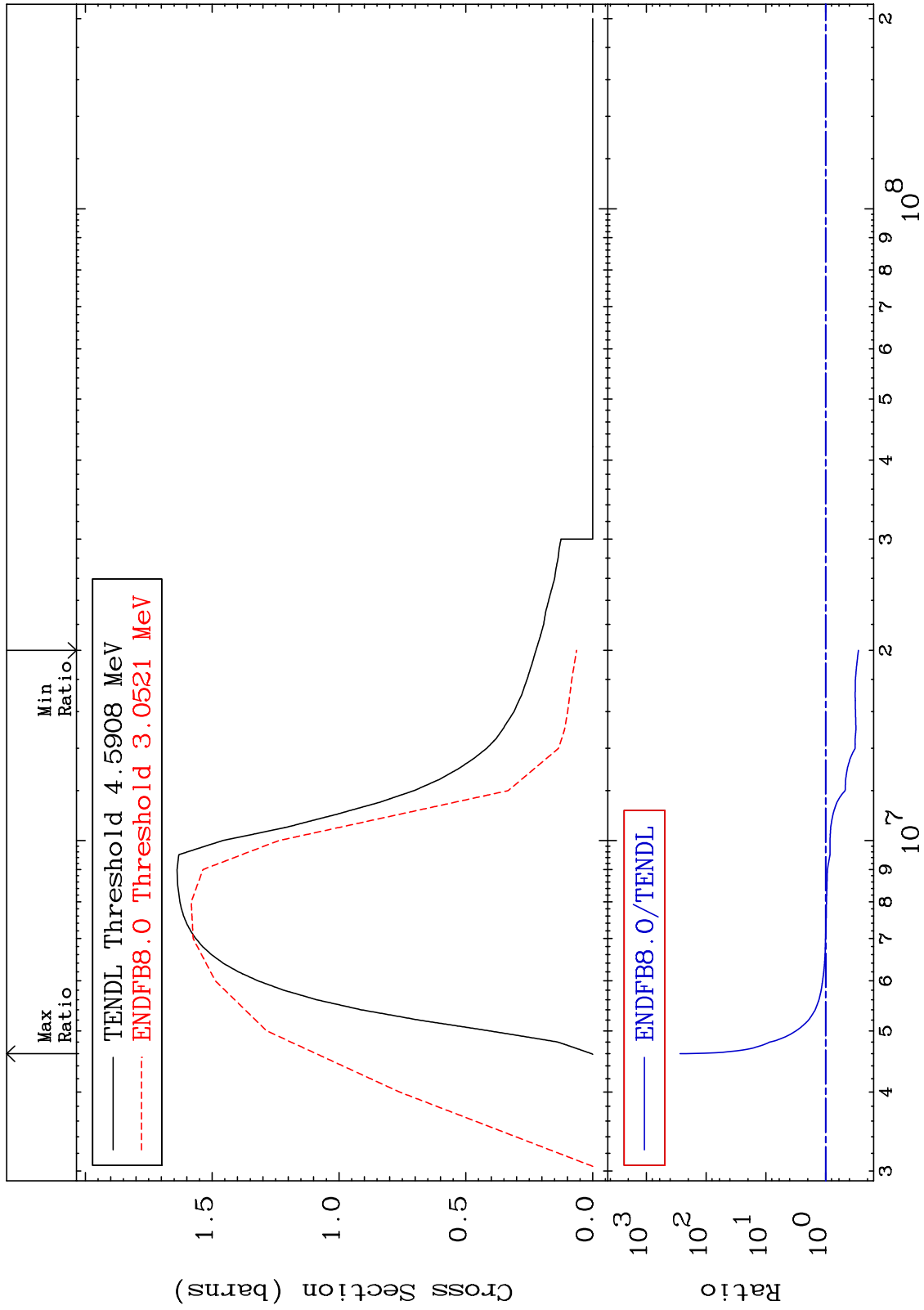
34-Se-82
-98.27 To 448.6 %



MAT 3449

(n, n') Continuum
Cross Section

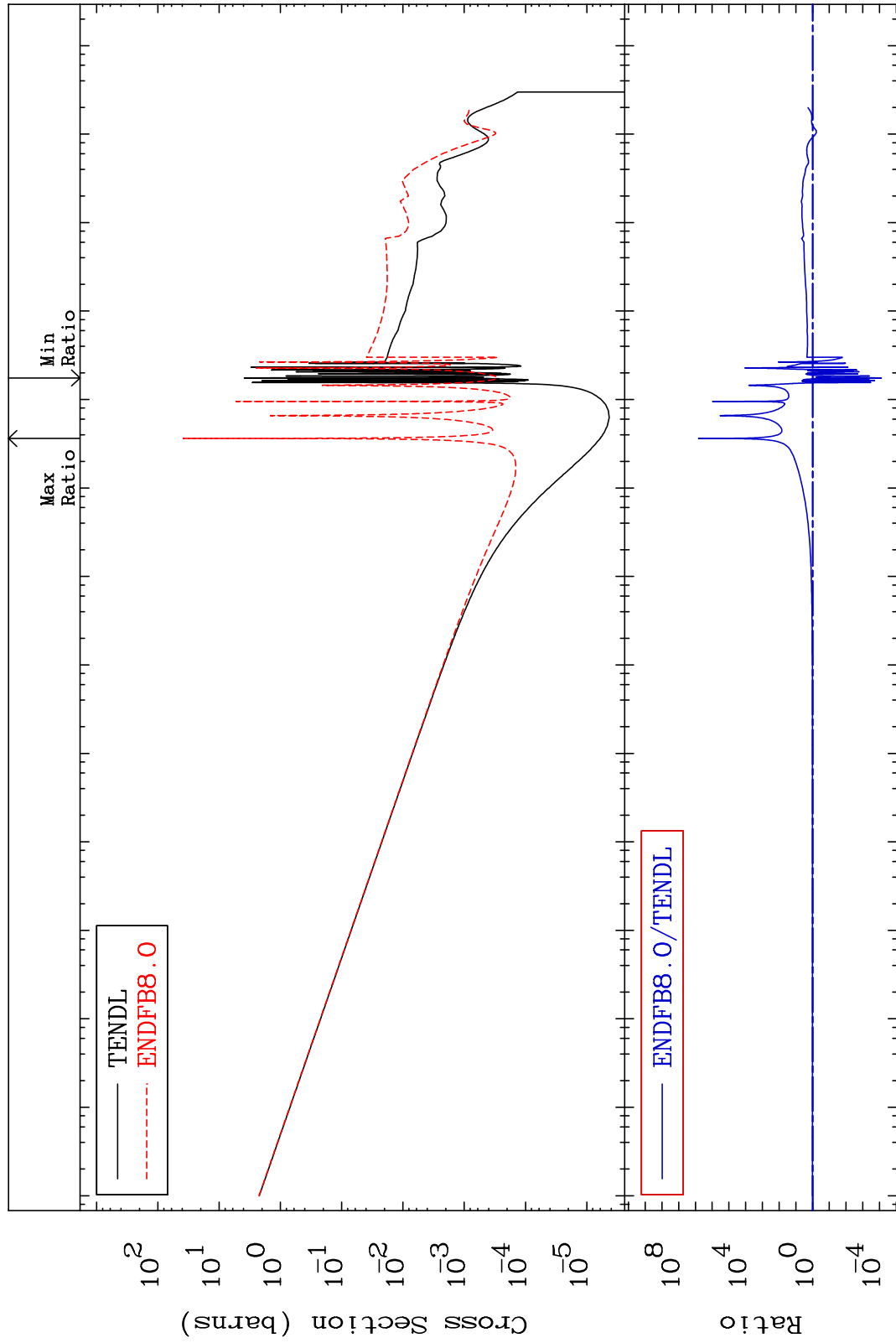
34-Se-82
-71.62 To 9999. %



MAT 3449

(n, γ)
Cross Section

34-Se-82
-99.99 To 9999. %



34-Se-82

Incident Energy (eV)

15

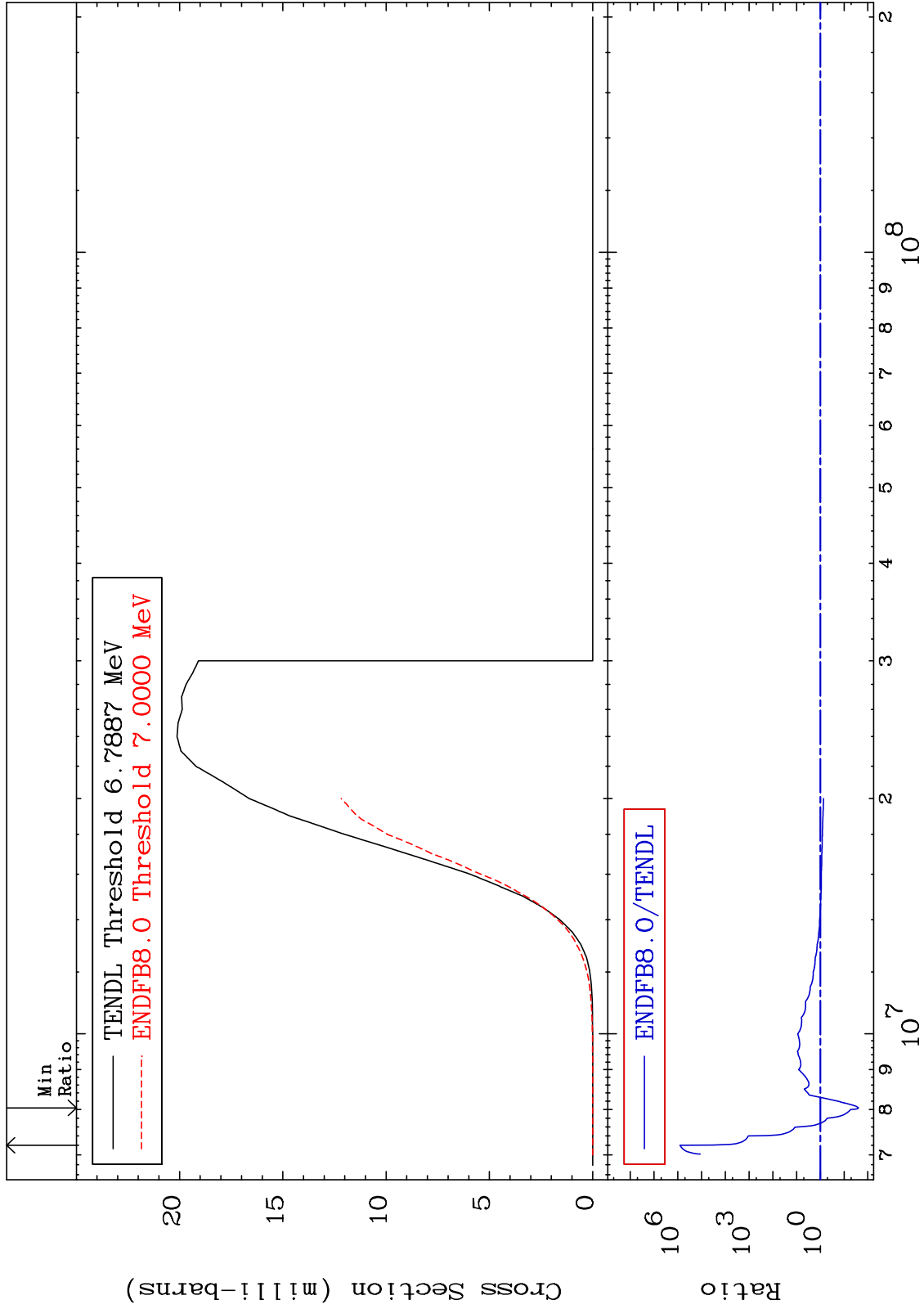
MAT 3449

(n,p)

34-Se-82

Cross Section

-97.51 To 9999. %



16

34-Se-82

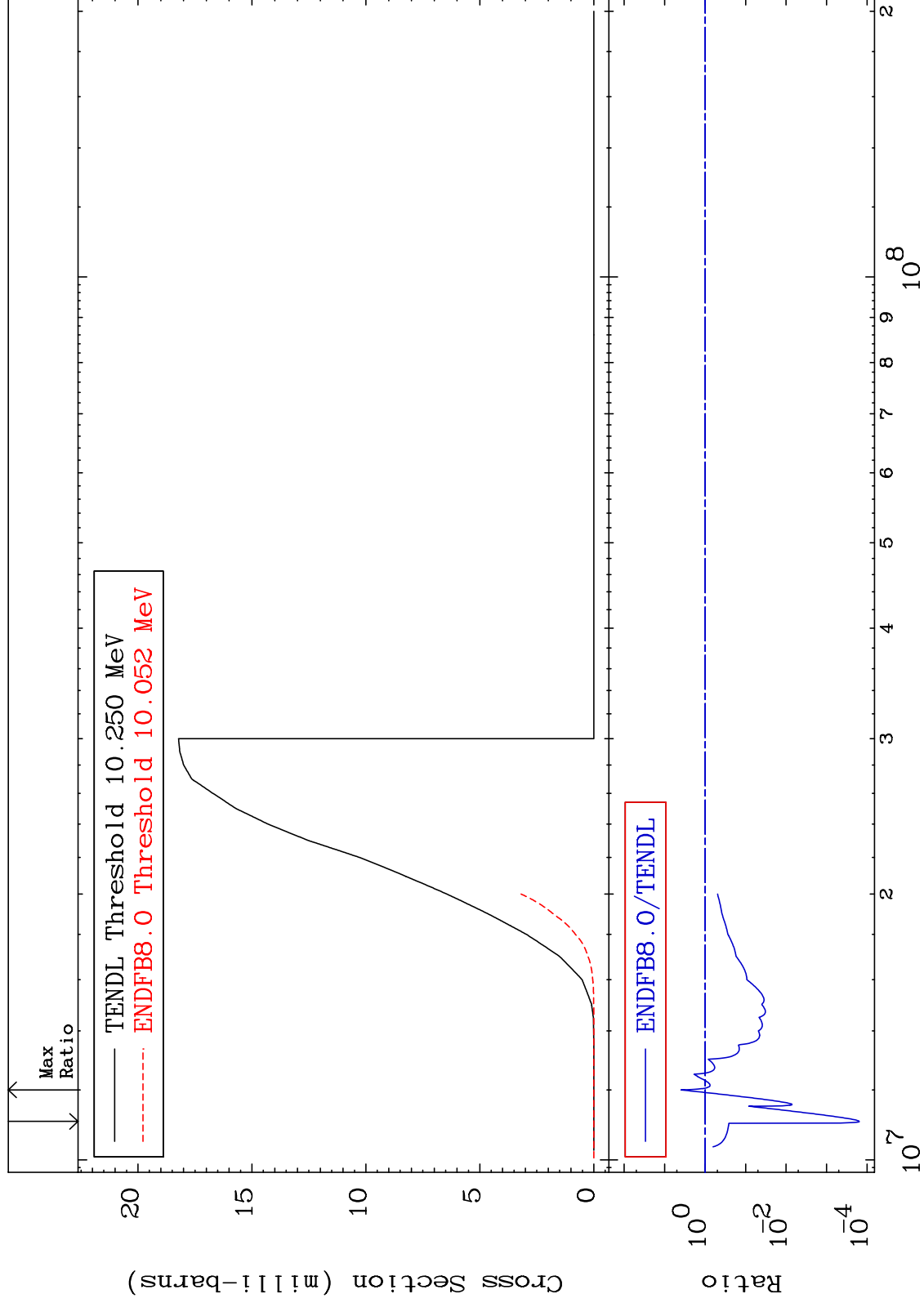
MAT 3449

(n,d)

34-Se-82

Cross Section

-99.98 To 293.7 %



Incident Energy (eV)

34-Se-82

17

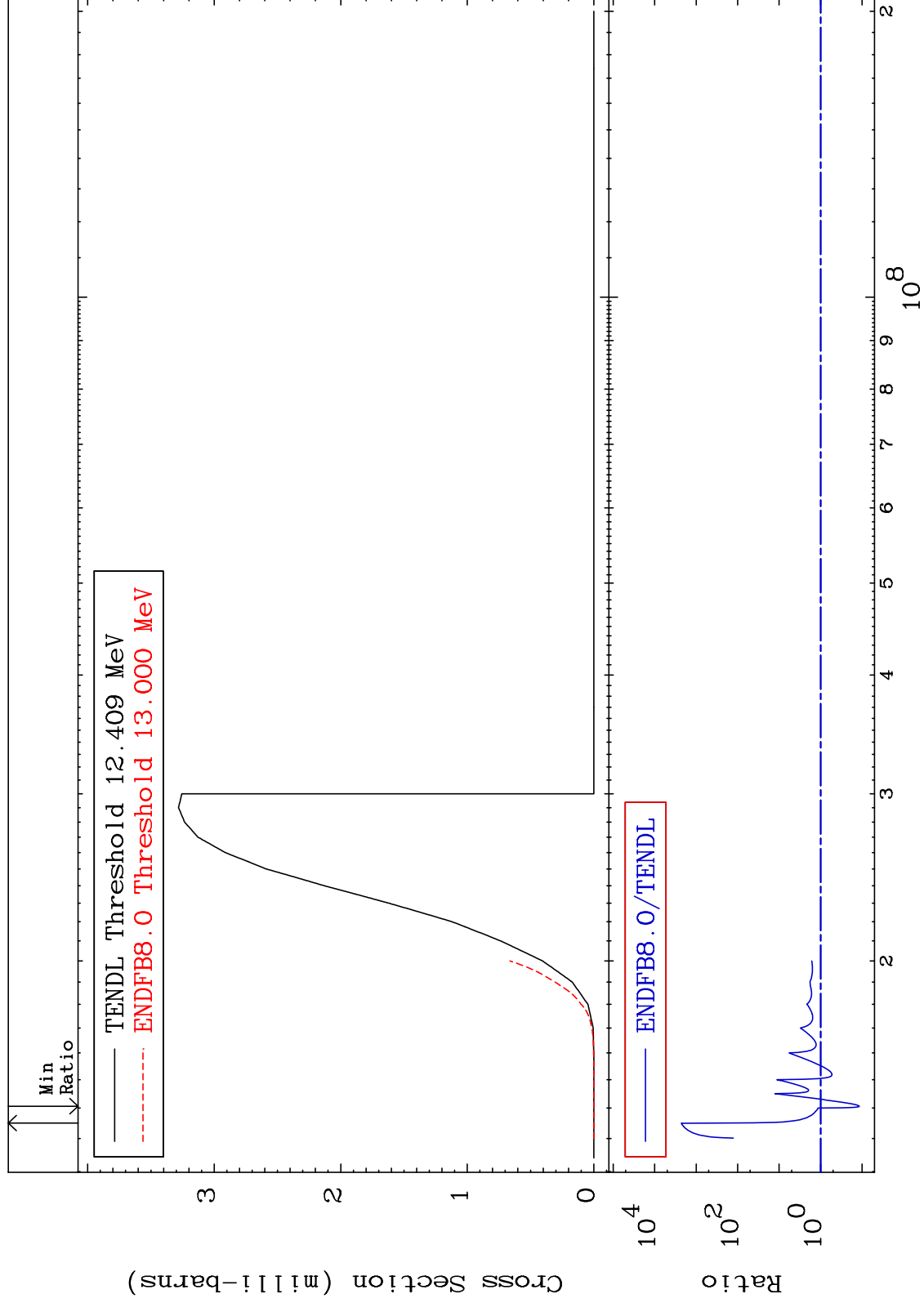
MAT 3449

(n, t)

34-Se-82

Cross Section

-88.30 To 9999. %



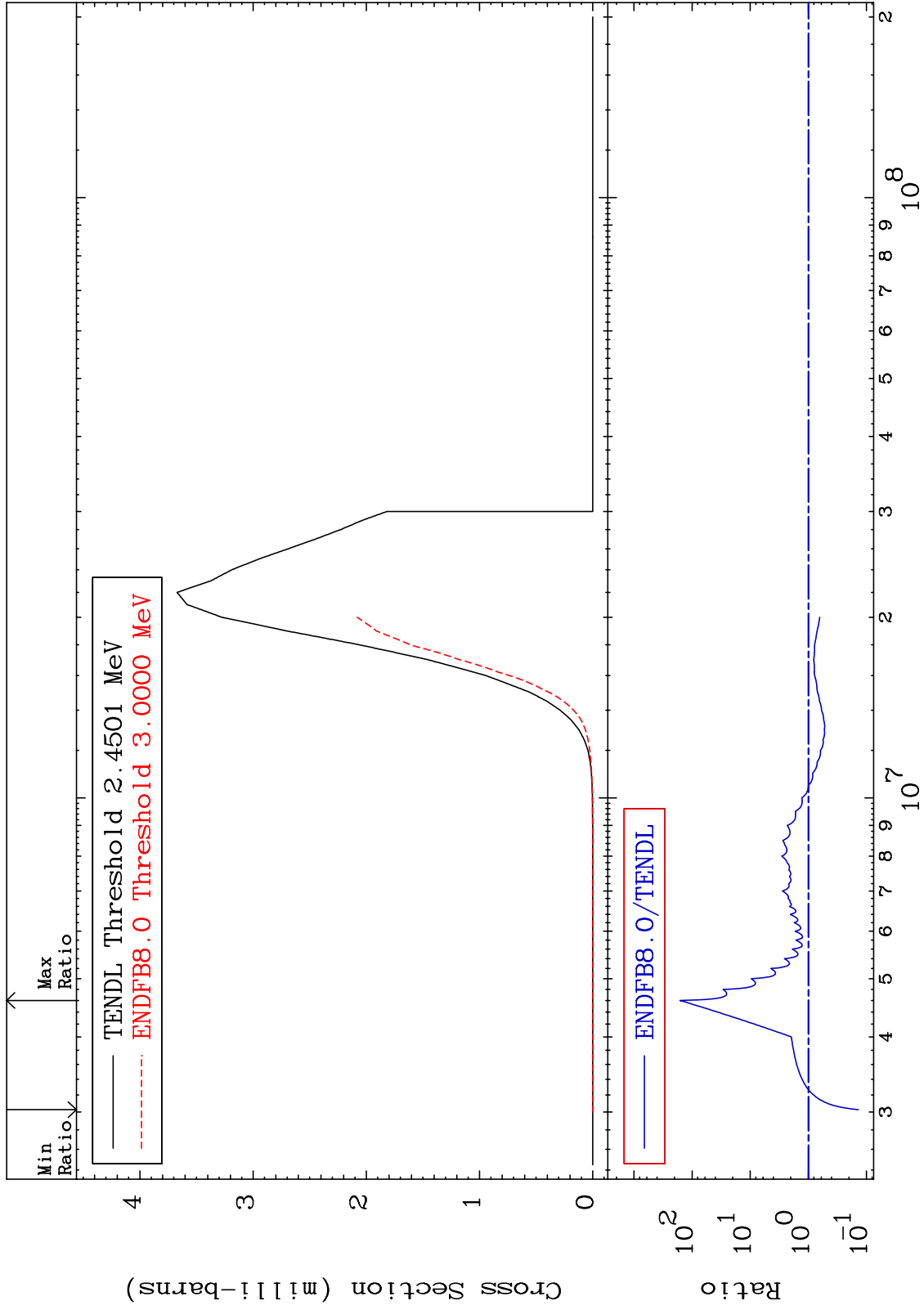
MAT 3449

(n, α)

34-Se-82

Cross Section

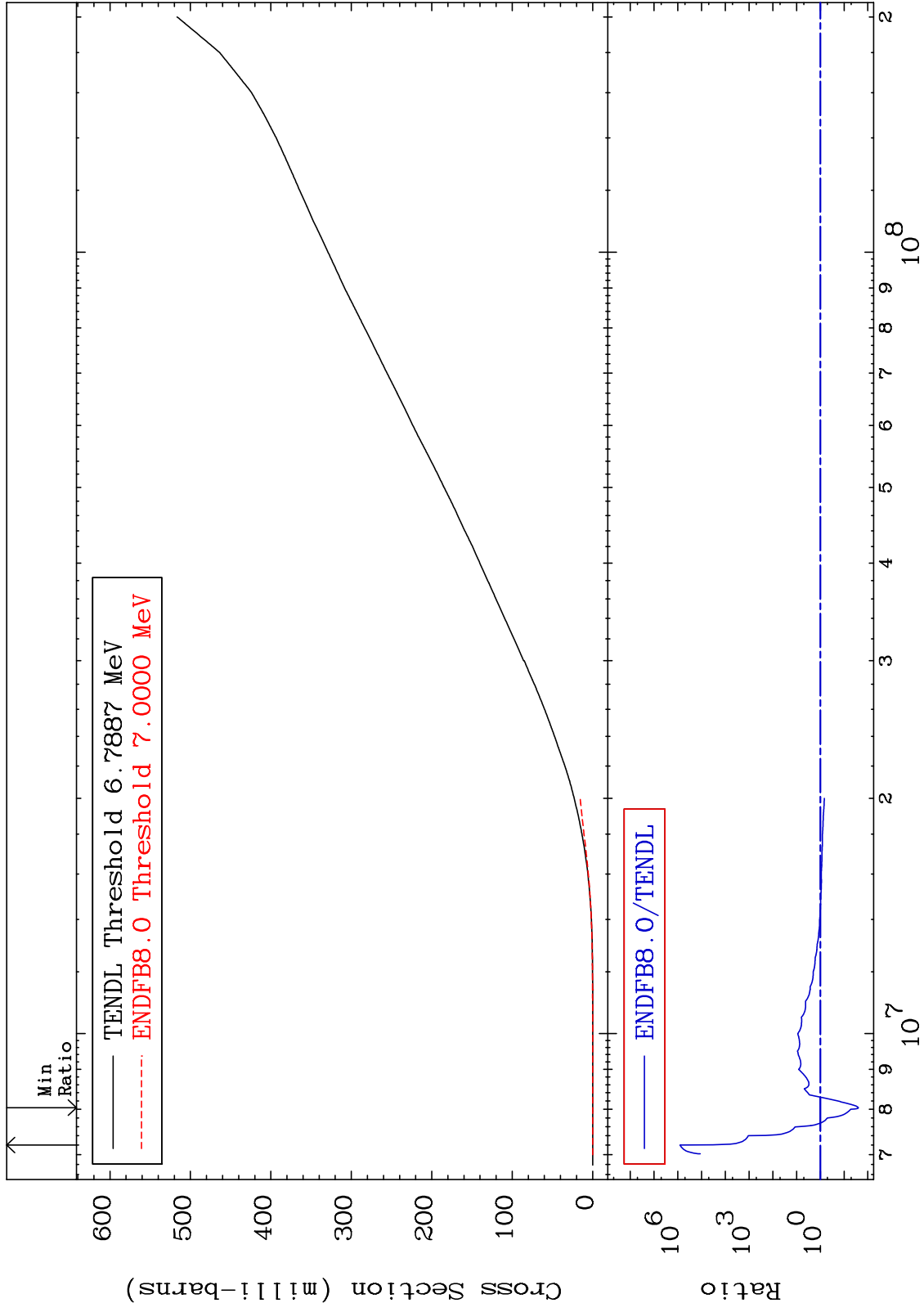
-86.26 To 9999. %



MAT 3449

Hydrogen Production
Cross Section

34-Se-82
-97.51 To 9999. %



20

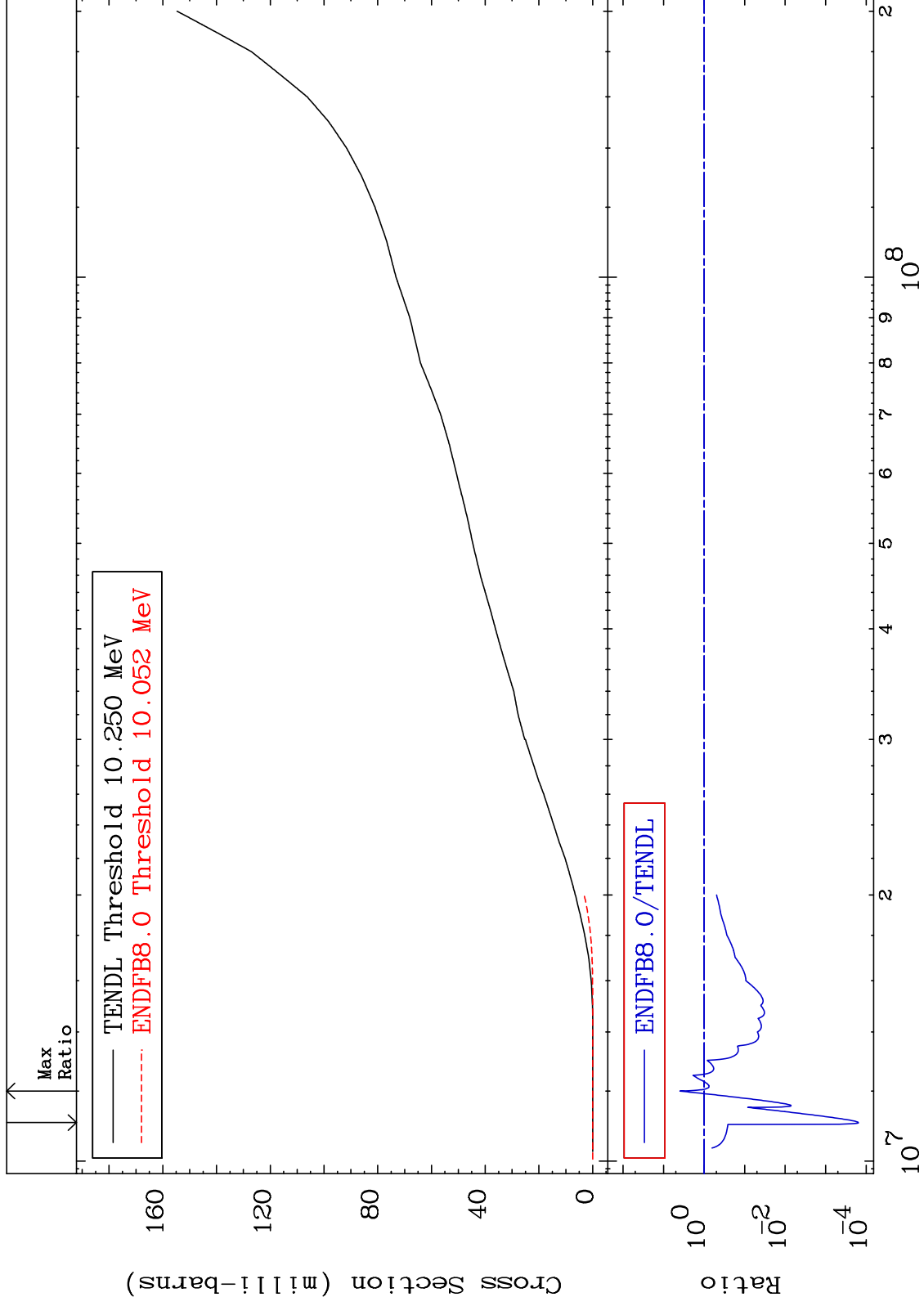
Incident Energy (eV)

34-Se-82

MAT 3449

Deuterium Production
Cross Section

³⁴Se-82
-99.98 To 293.7 %



21

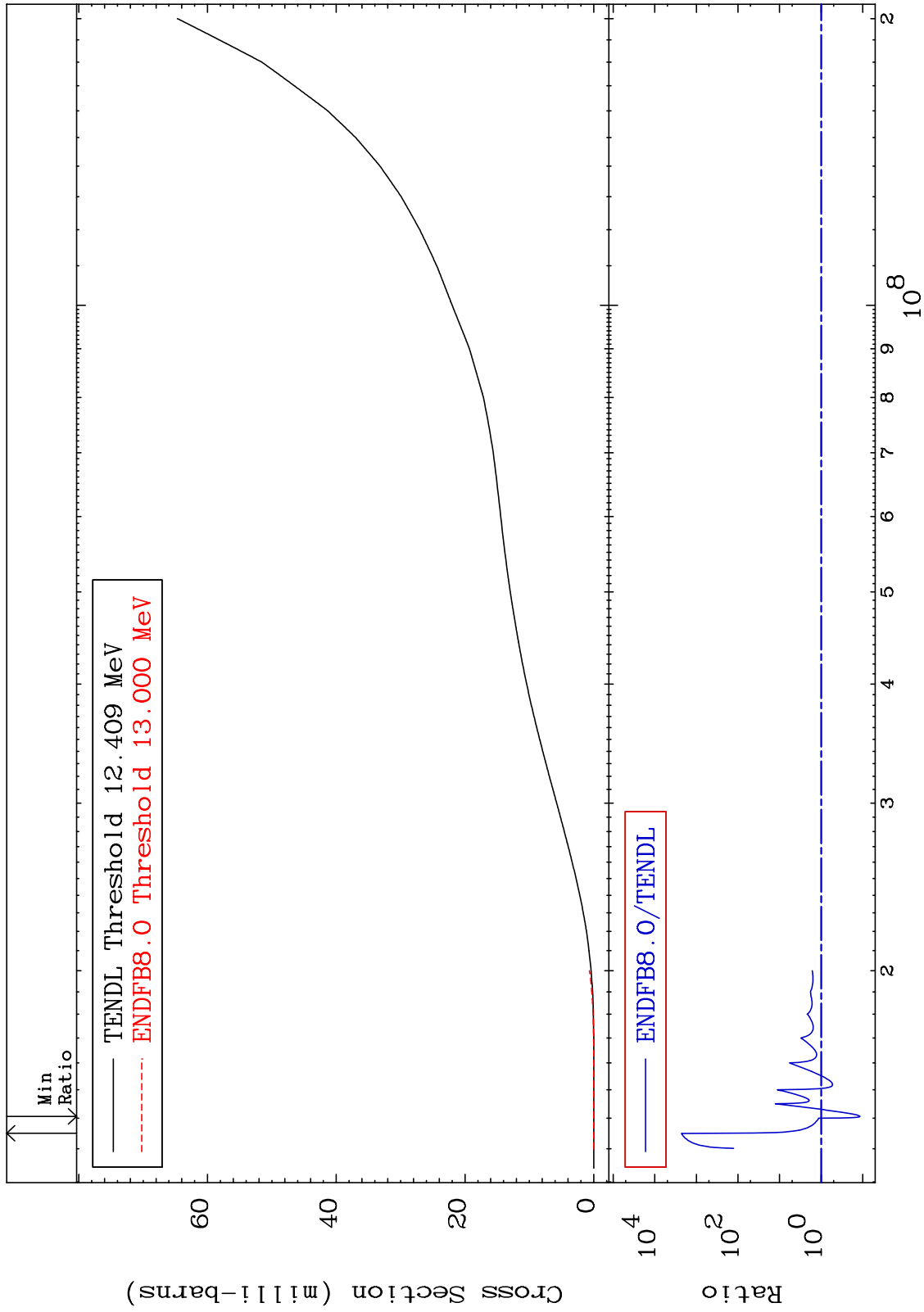
Incident Energy (eV)

³⁴Se-82

MAT 3449

Tritium Production
Cross Section

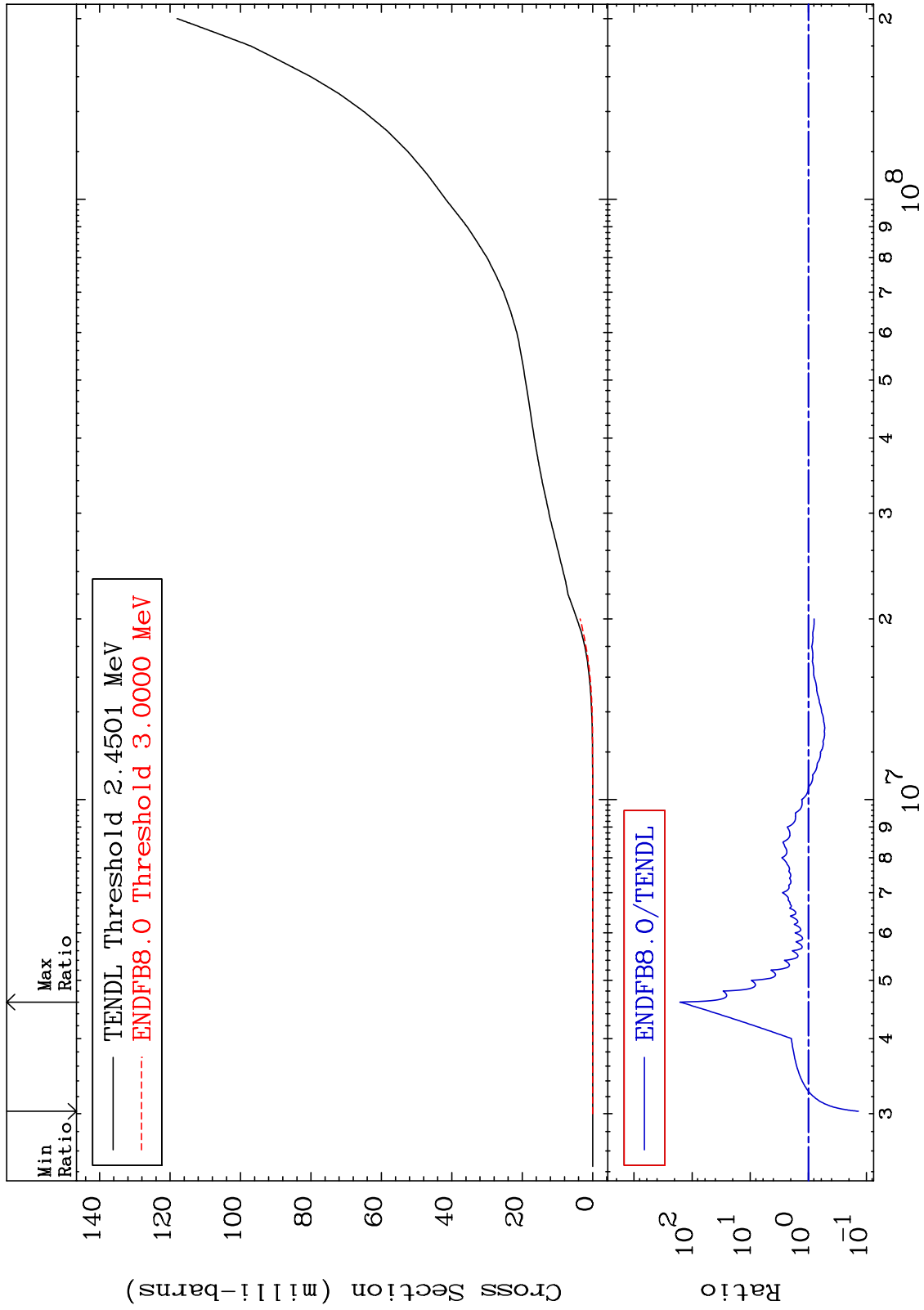
³⁴Se-82
-88.30 To 9999. %



MAT 3449

He-4 Production
Cross Section

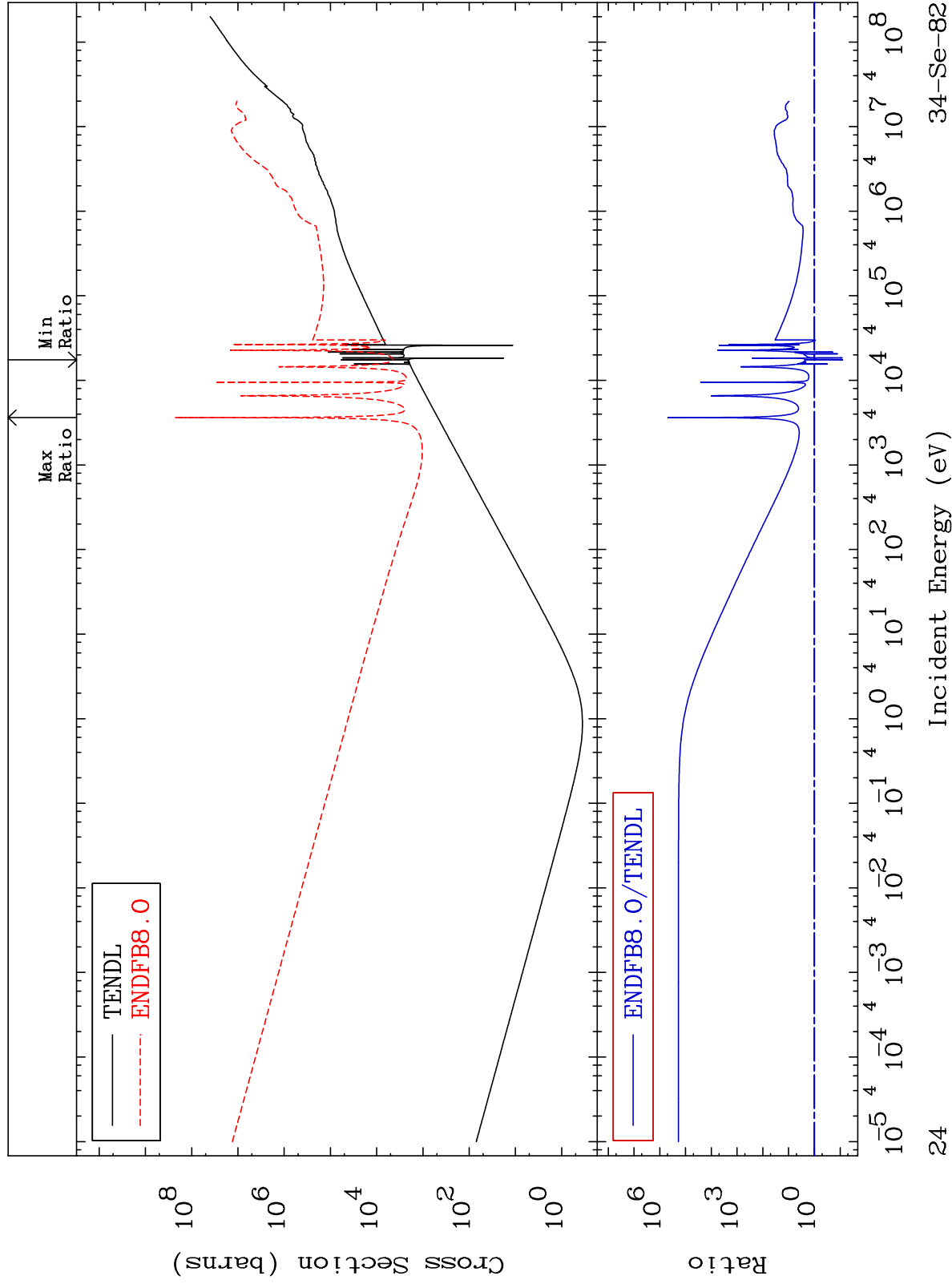
³⁴Se-82
-86.26 To 9999. %



MAT 3449

Kerma total (eV-barns)
Cross Section

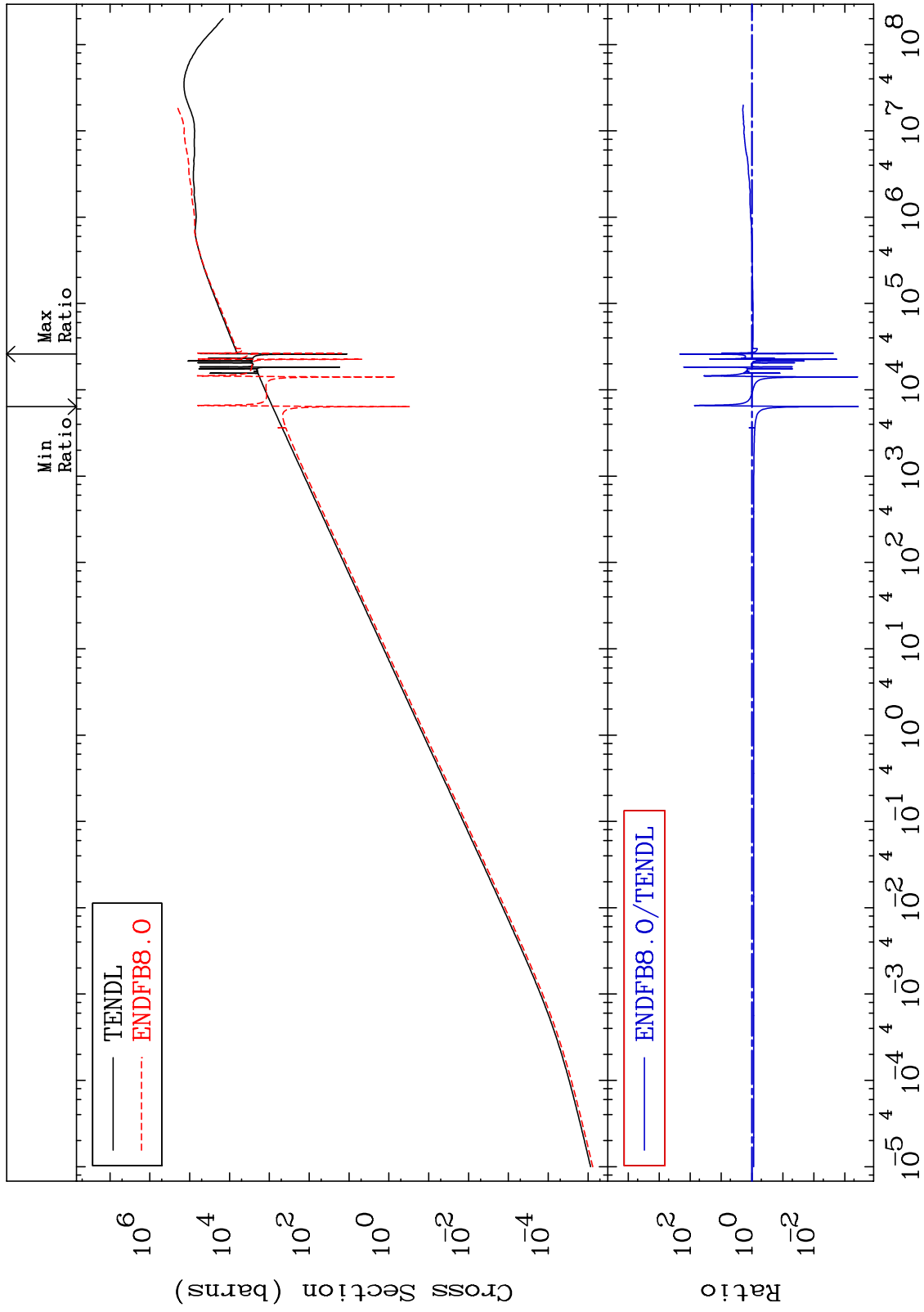
34-Se-82
-92.14 To 9999. %



MAT 3449

Kerma elastic
Cross Section

34-Se-82
-99.96 To 9999. %



25

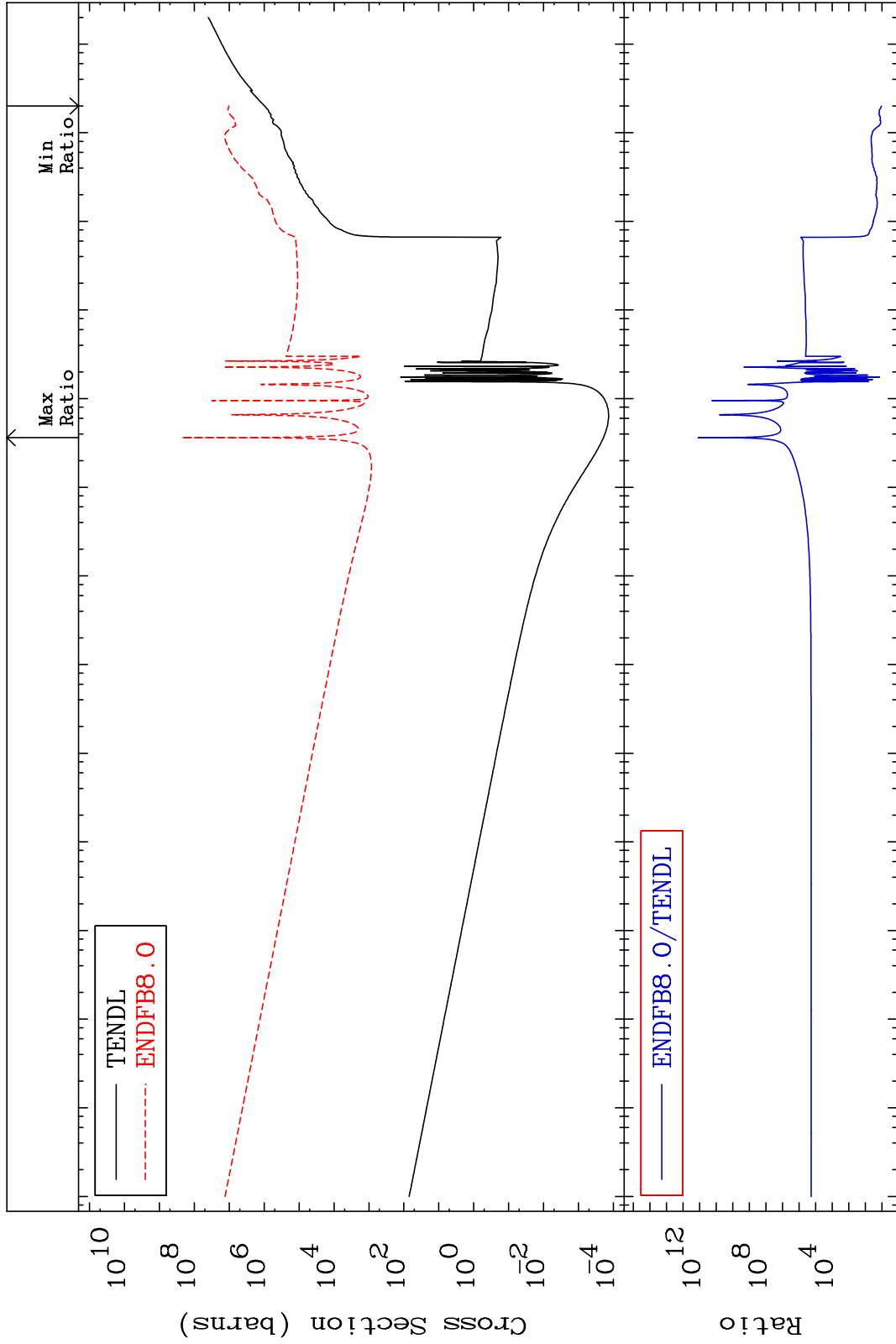
Incident Energy (eV)

34-Se-82

MAT 3449

Kerma non-elastic (all but mt2)
Cross Section

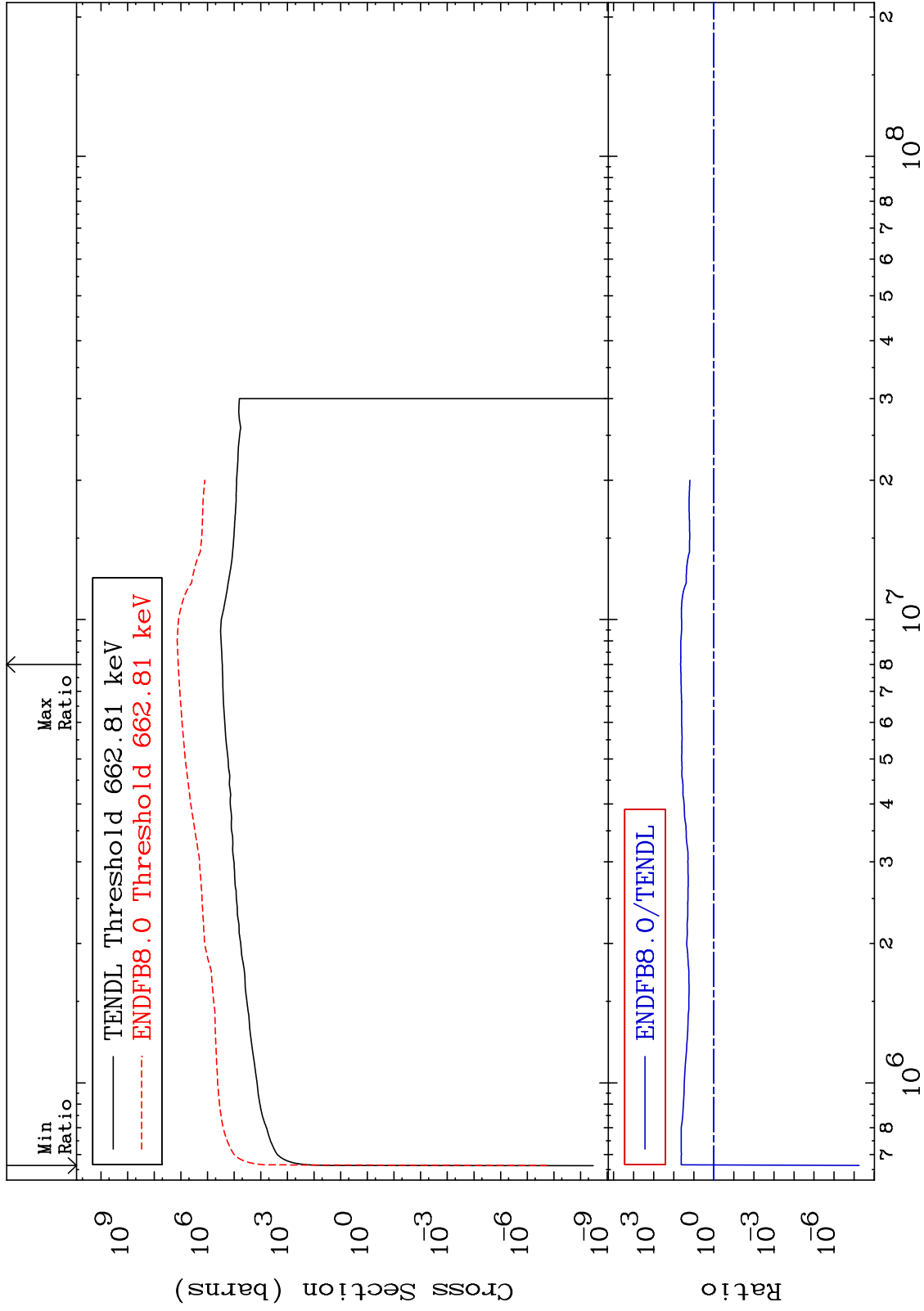
34-Se-82
960.2 To 9999. %



MAT 3449

Kerma inelastic (mt51-91)
Cross Section

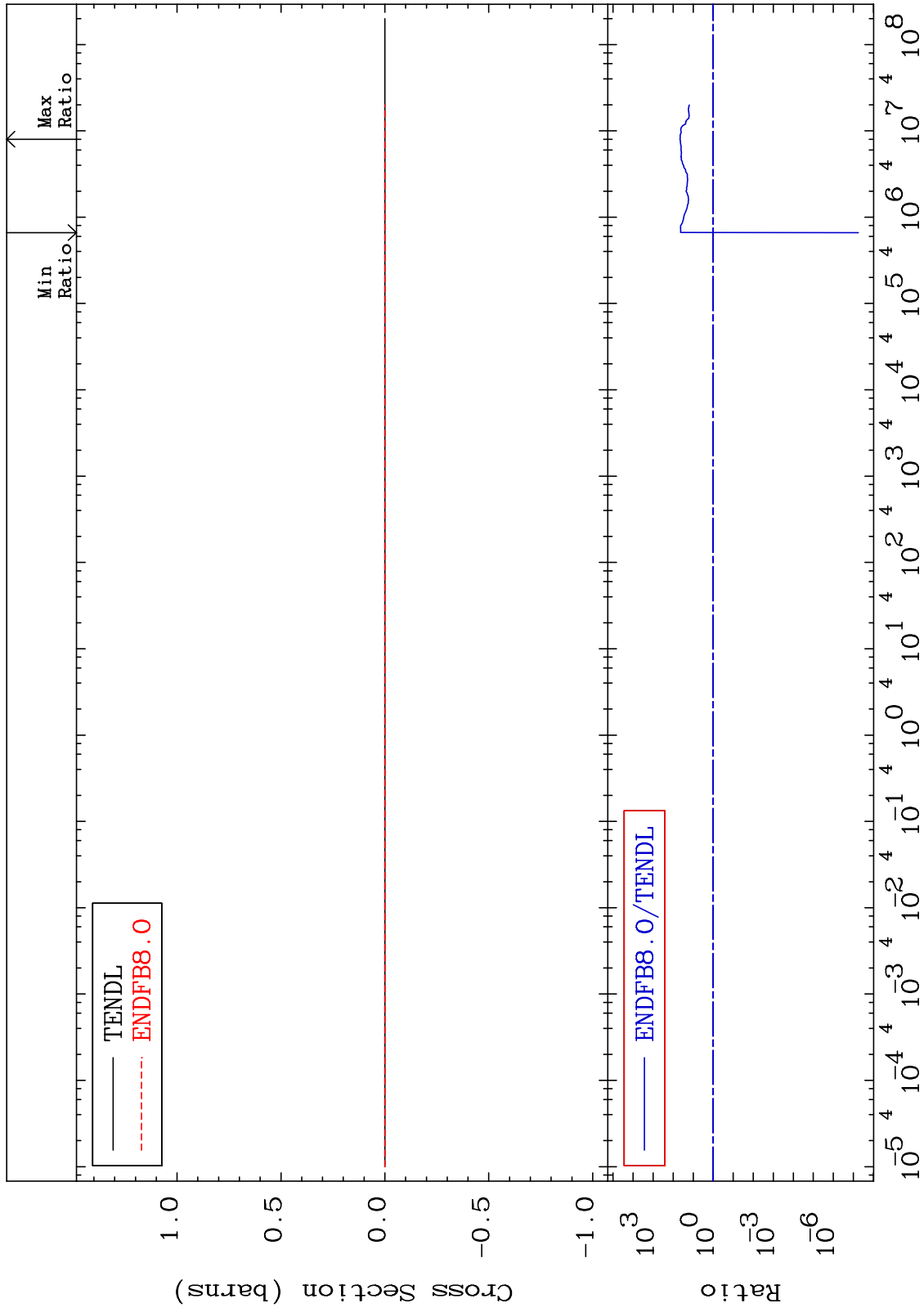
34-Se-82
-100.0 To 4430. %



MAT 3449

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

34-Se-82
-100.0 To 4430. %



28

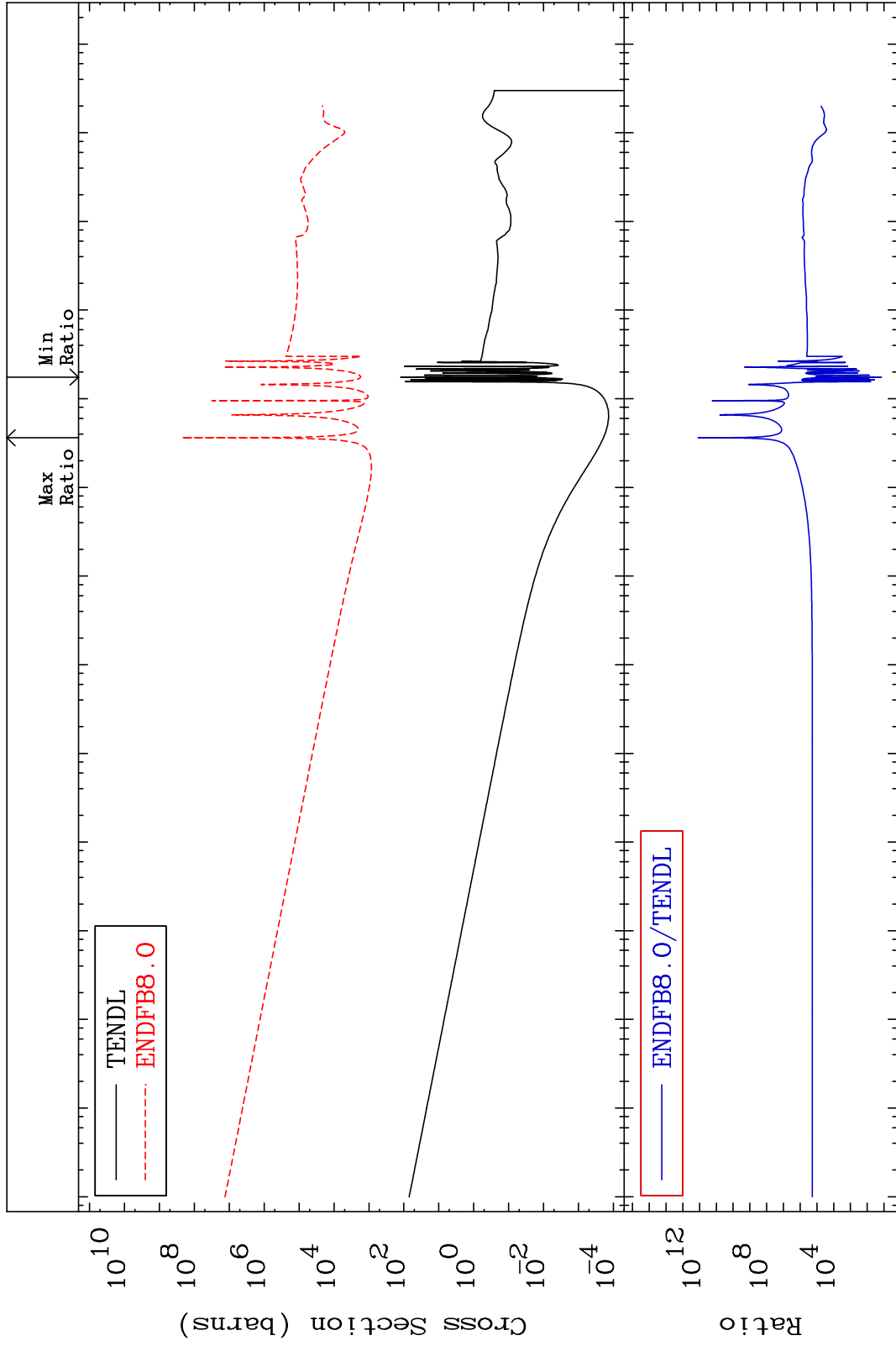
Incident Energy (eV)

34-Se-82

MAT 3449

Kerma capture (mt102)
Cross Section

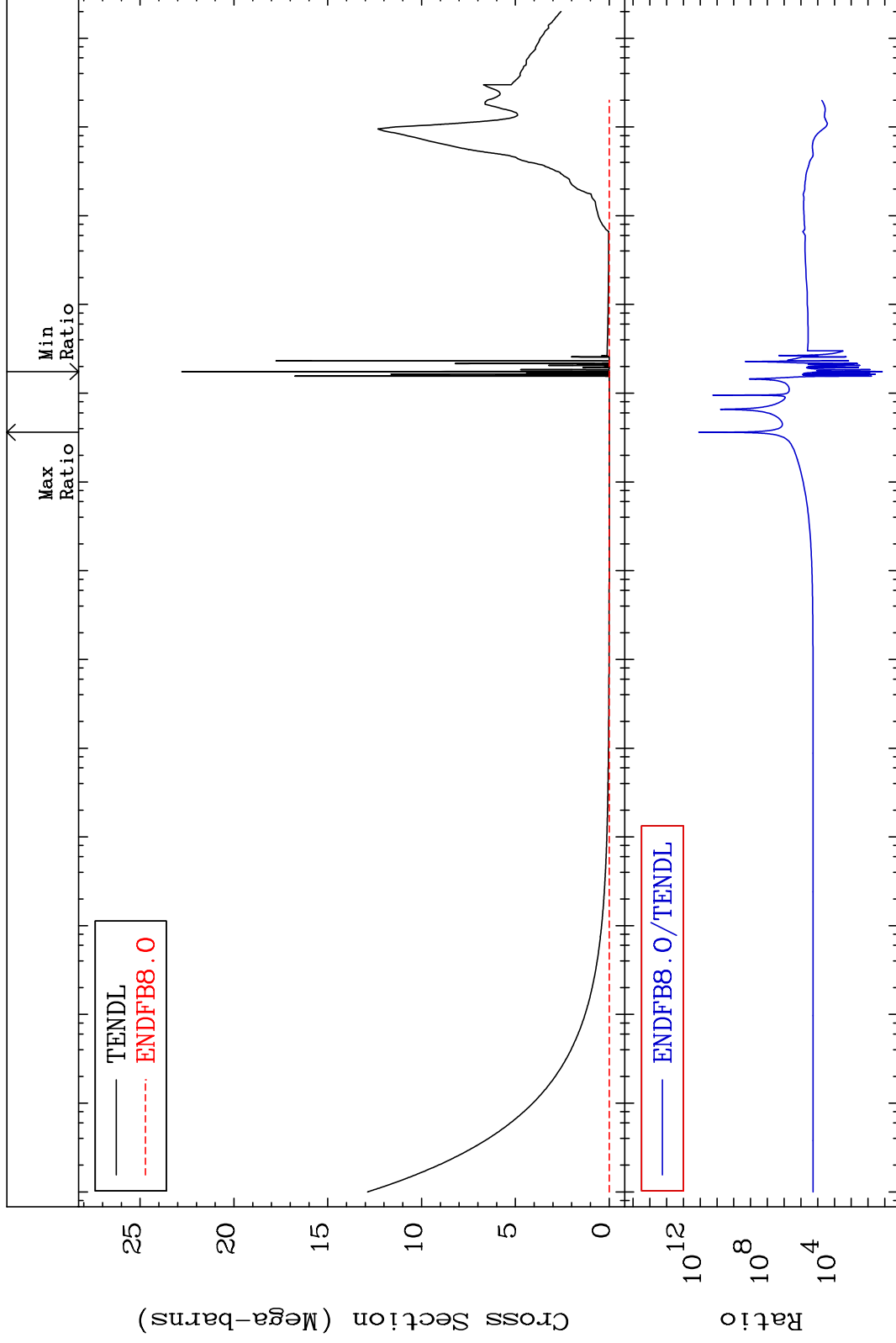
34-Se-82
1301. To 9999. %



MAT 3449

Total photon (eV-barns)
Cross Section

34-Se-82
1301. To 9999. %



30

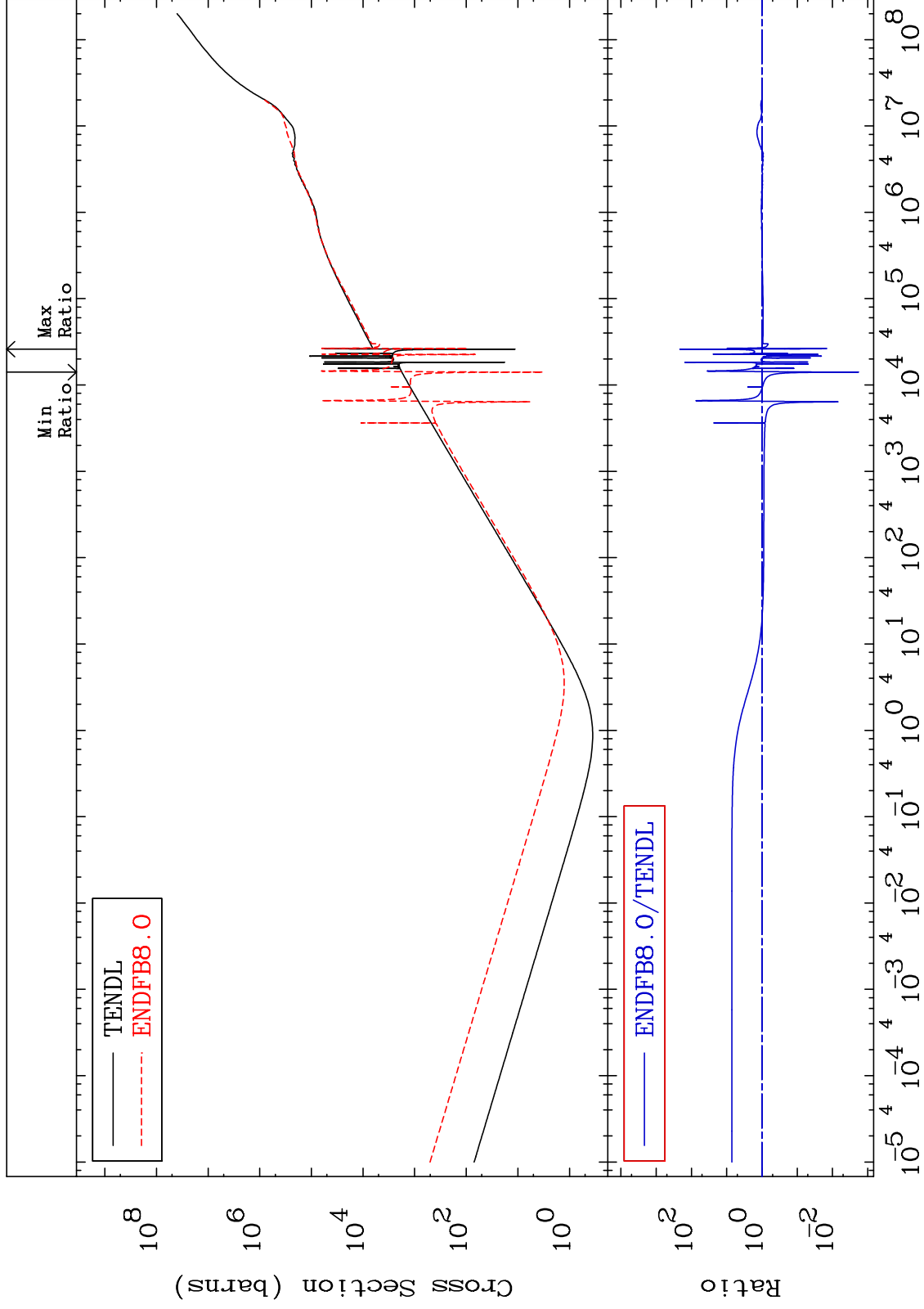
Incident Energy (eV)

34-Se-82

MAT 3449

Total kinematic kerma (high limit)
Cross Section

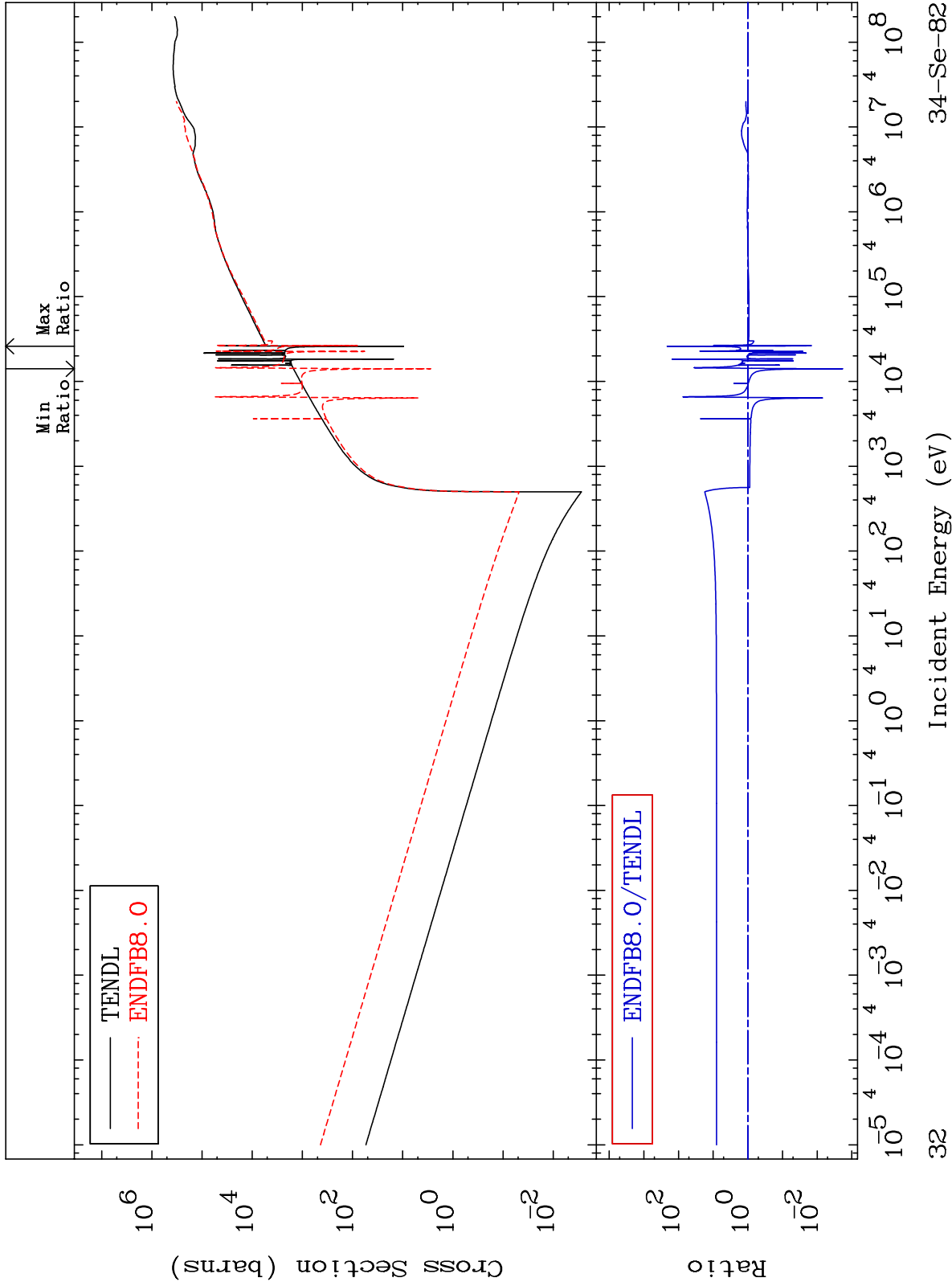
34-Se-82
-99.82 To 9999. %



MAT 3449

Dpa total (eV-barns)
Cross Section

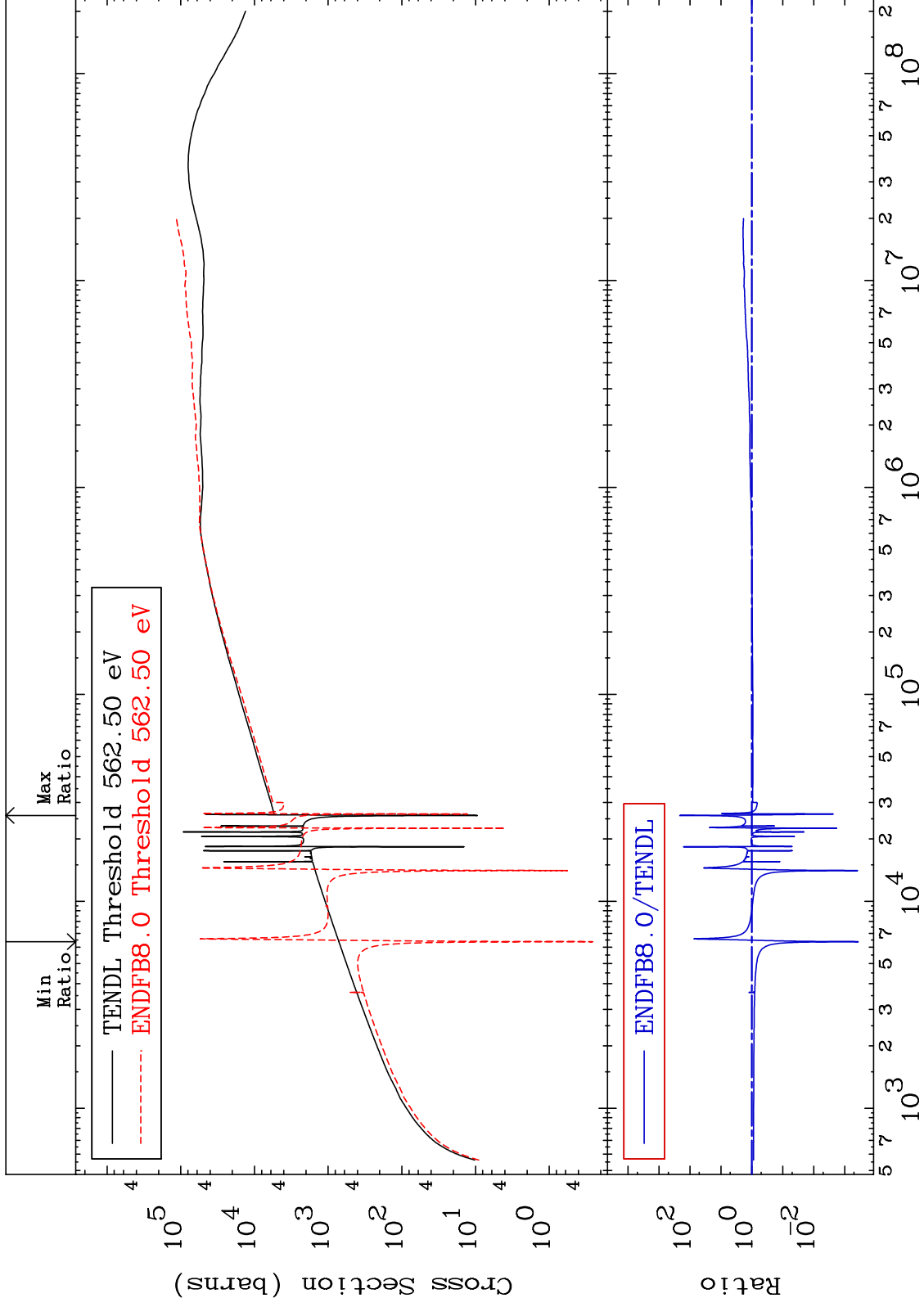
34-Se-82
-99.82 To 9999. %



MAT 3449

Dpa elastic (mt2)
Cross Section

34-Se-82
-99.96 To 9999. %



33

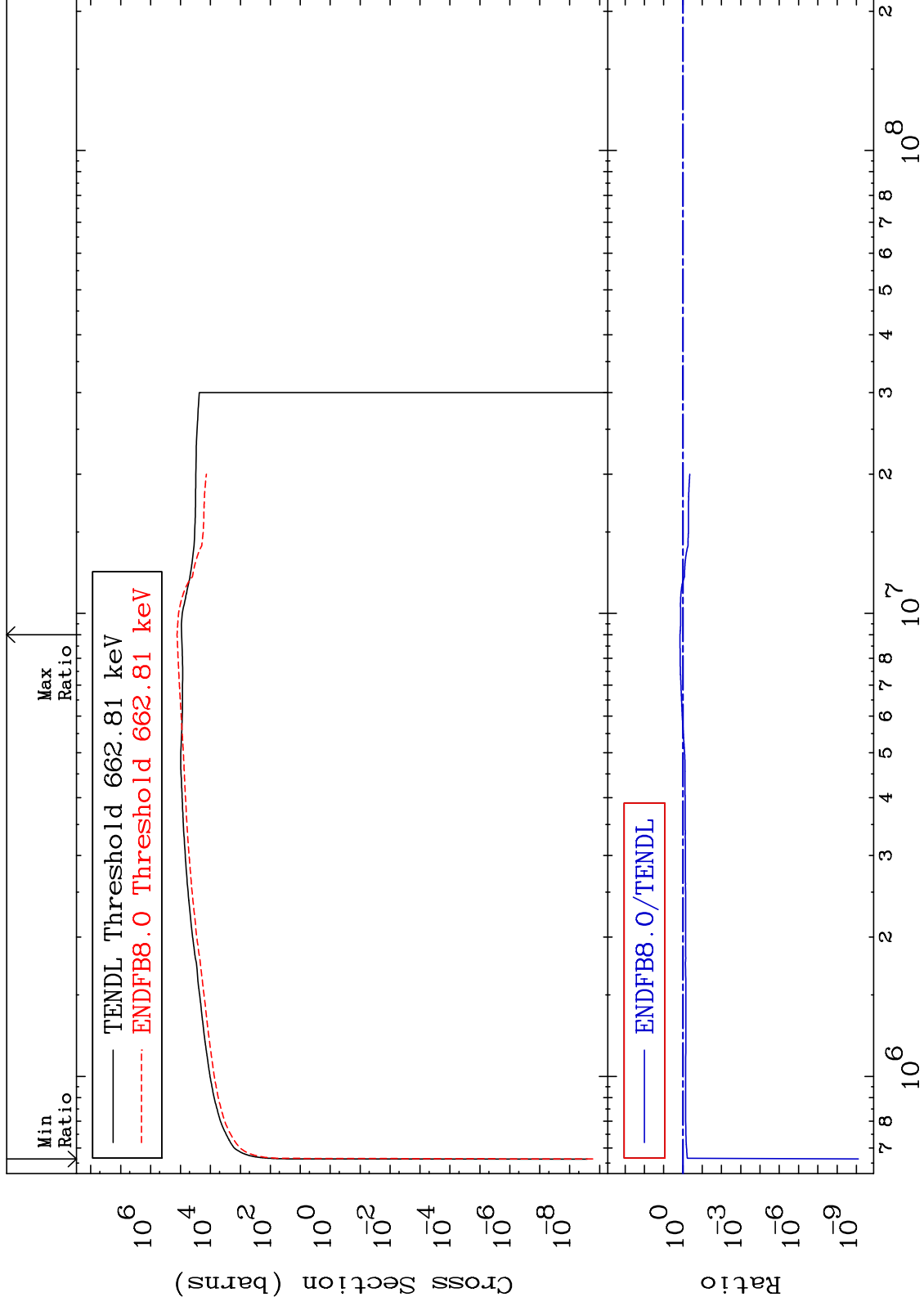
Incident Energy (eV)

34-Se-82

MAT 3449

Dpa inelastic (mt51-91)
Cross Section

34-Se-82
-100.0 To 41.64 %



34

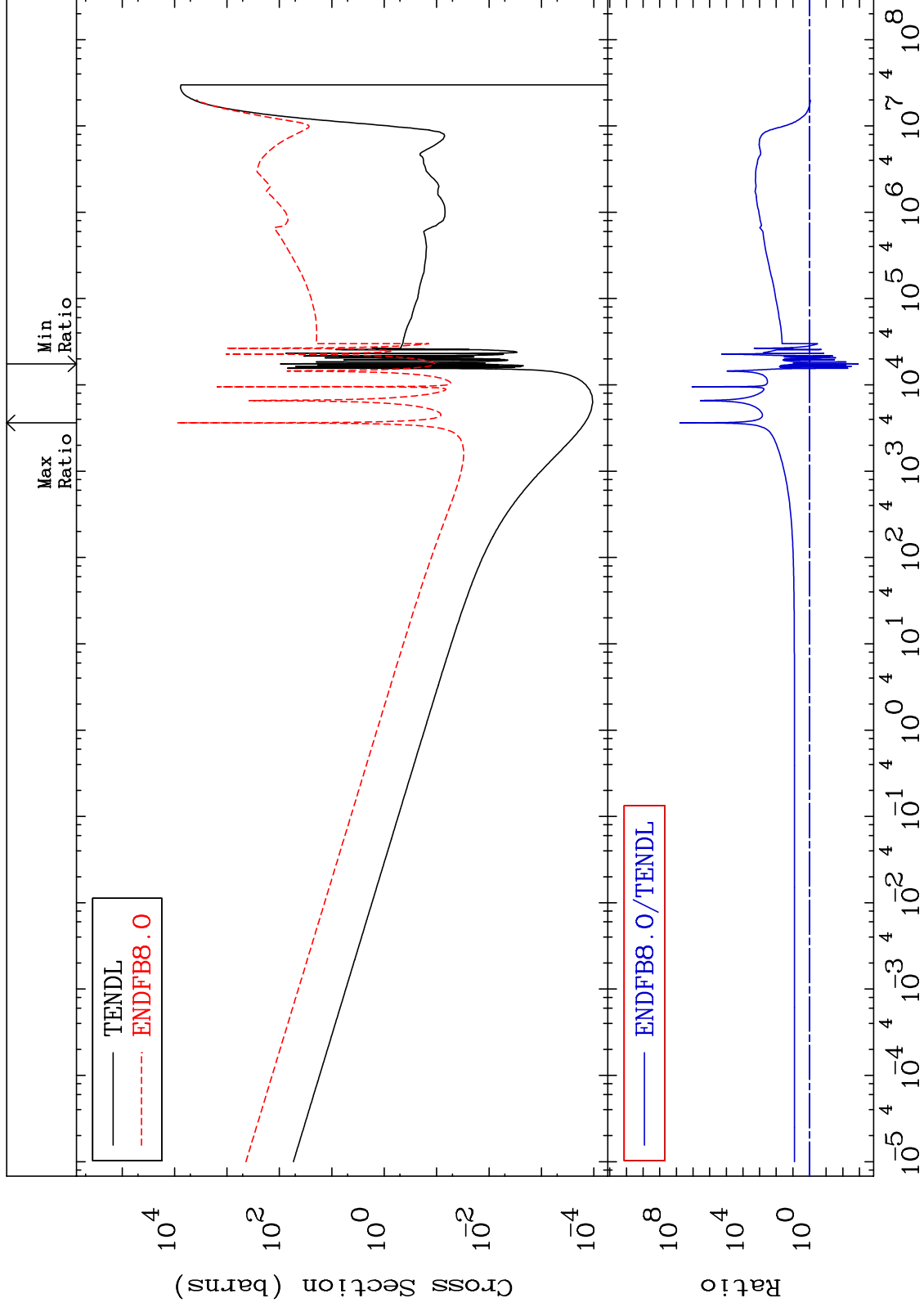
Incident Energy (eV)

34-Se-82

MAT 3449

Dpa disappearance (mt102 -120)
Cross Section

34-Se-82
-99.88 To 9999. %



35

Incident Energy (eV)

34-Se-82