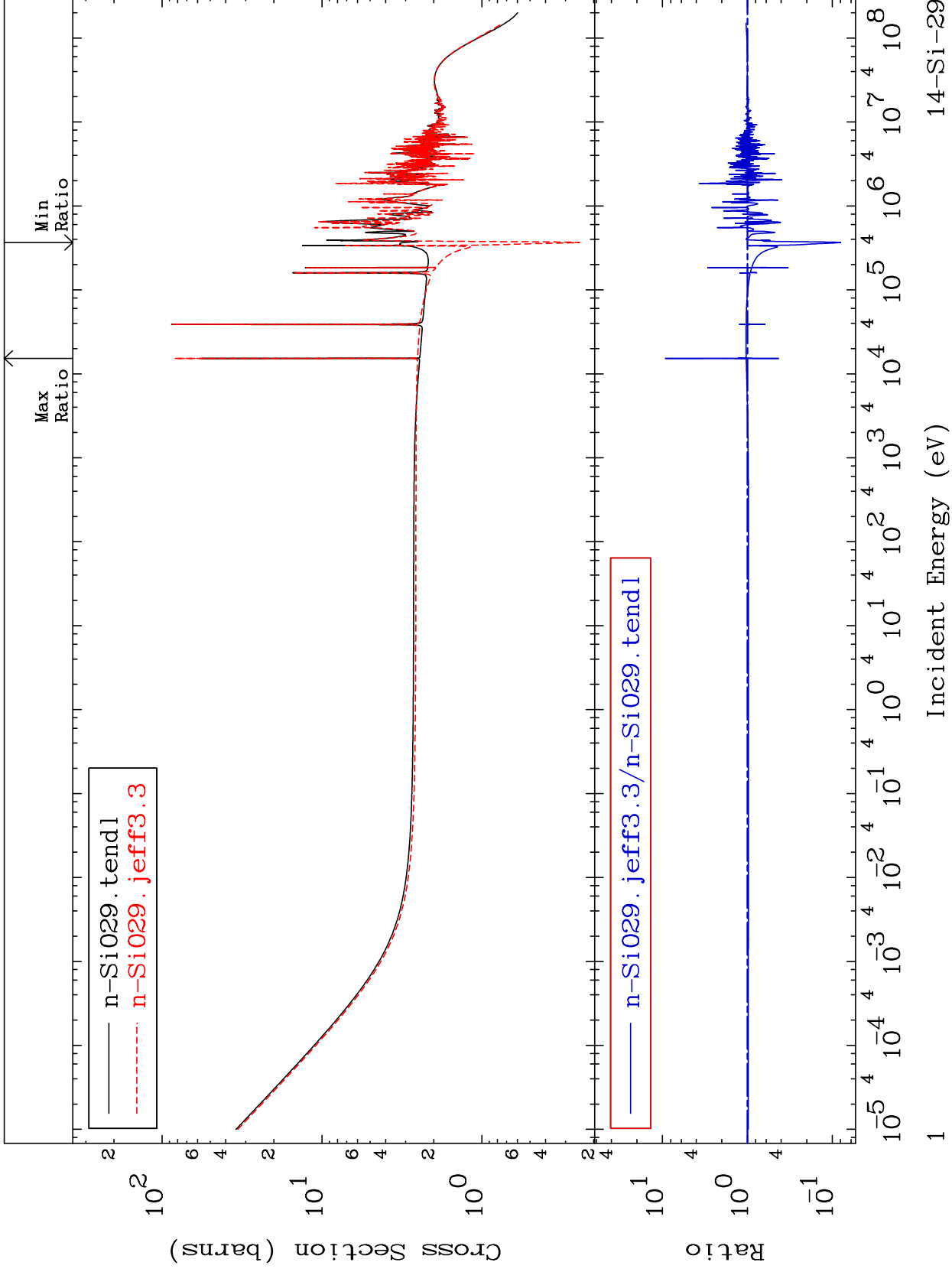


MAT 1428

Total
Cross Section

14-Si-29
-92.03 To 821.3 %



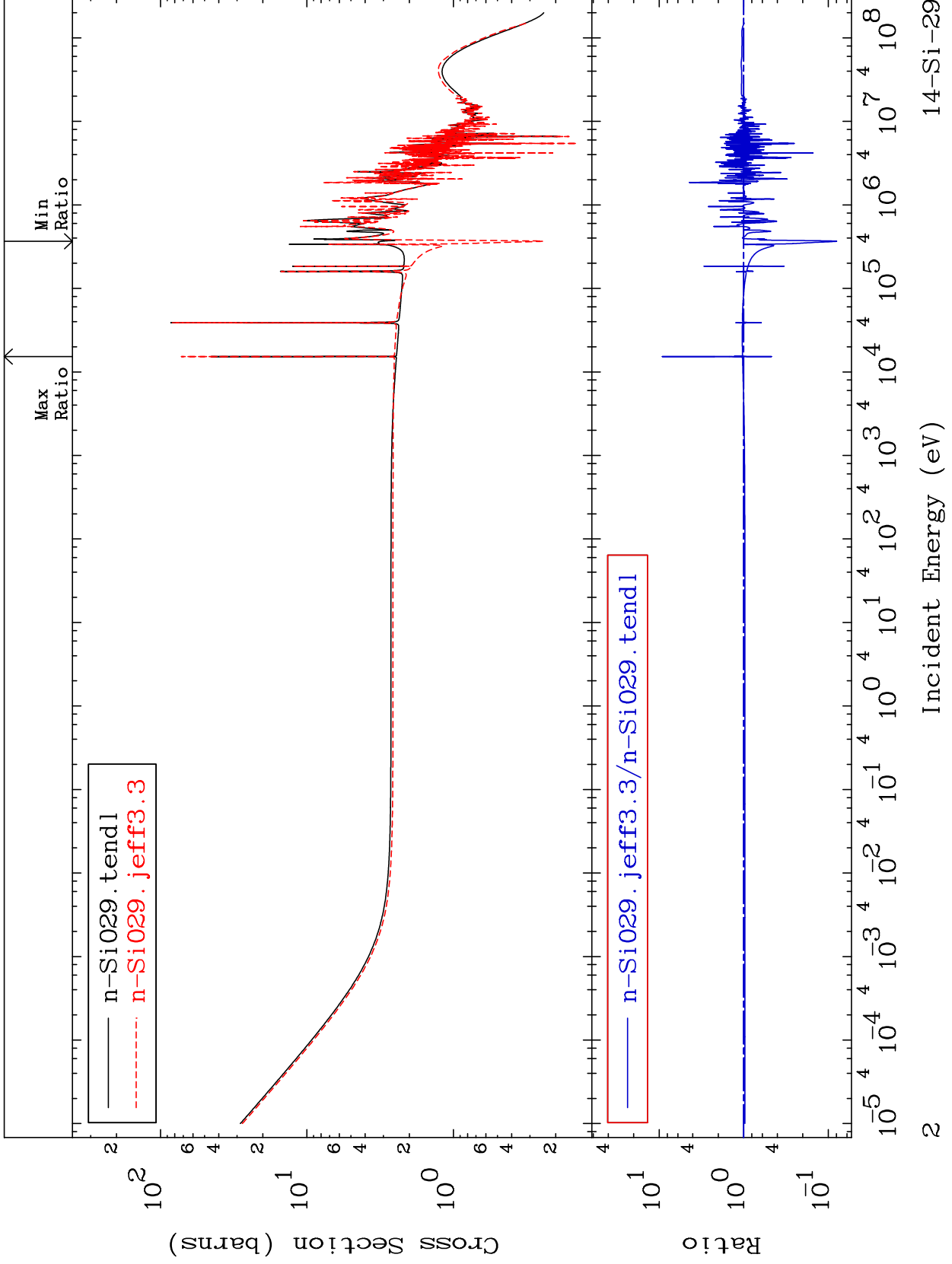
Incident Energy (eV)

14-Si-29

MAT 1428

Elastic
Cross Section

14-Si-29
-92.05 To 816.8 %



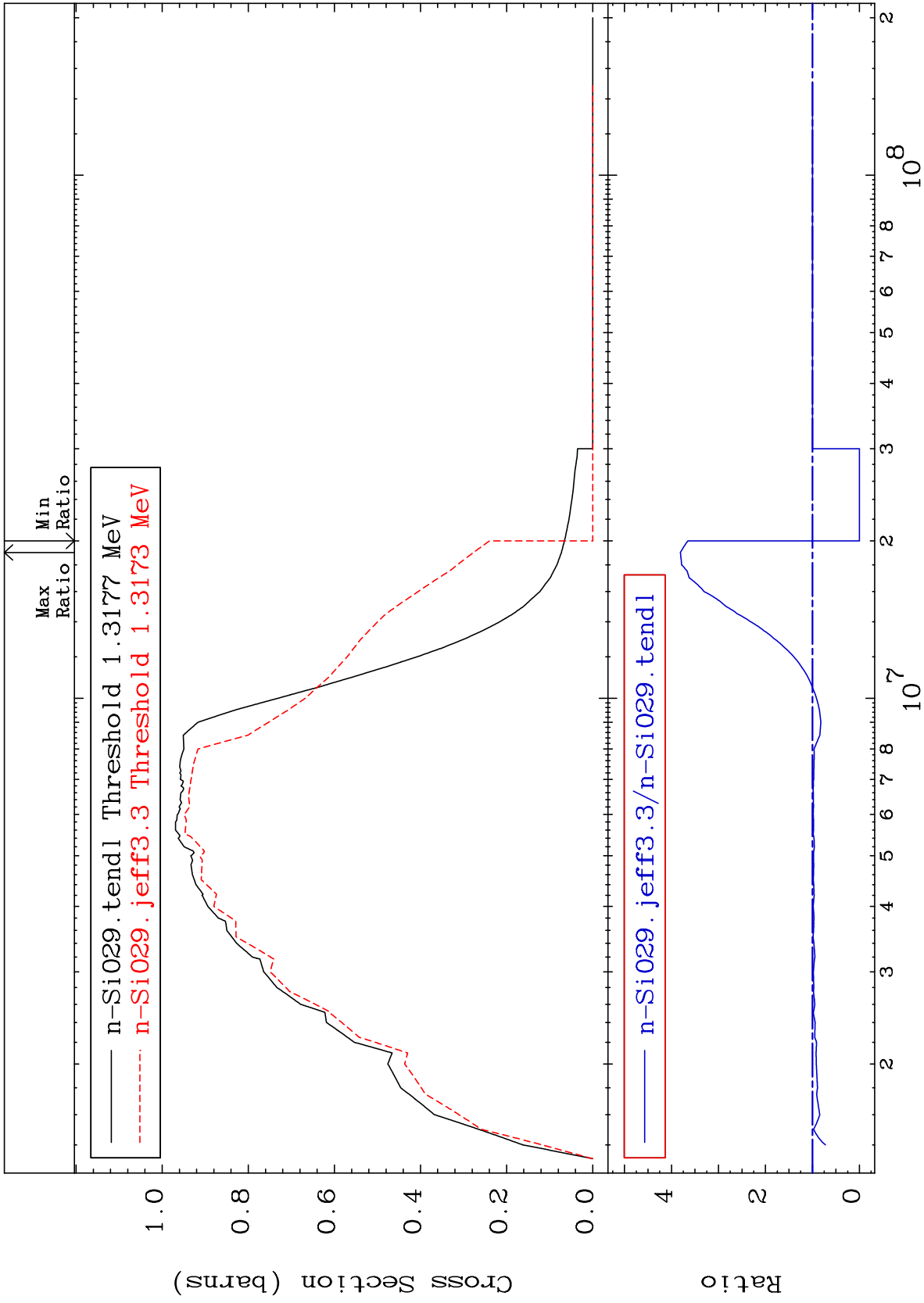
14-Si-29

Incident Energy (eV)

2

MAT 1428

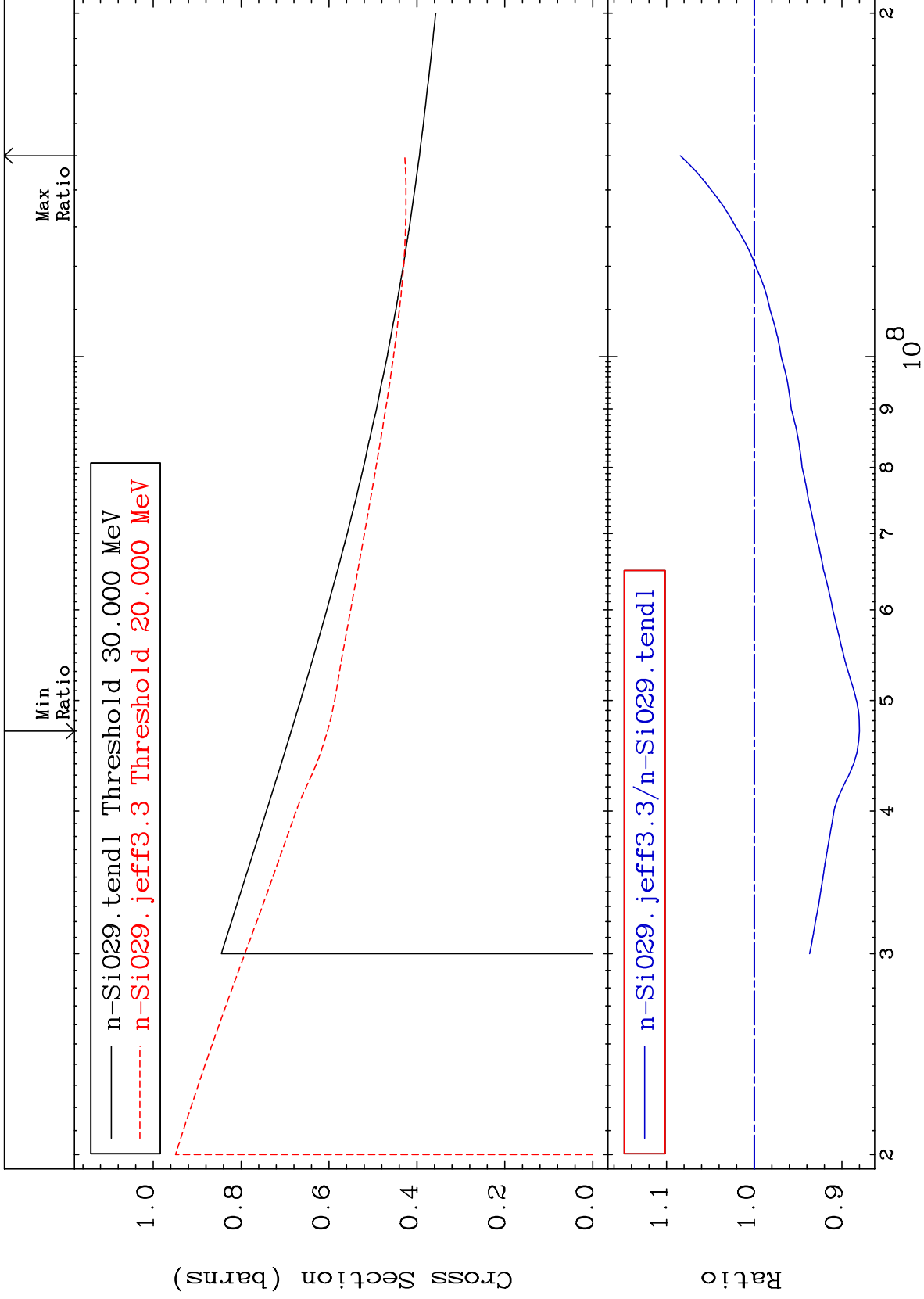
Inelastic Cross Section
14-Si-29
-100.0 To 281.1 %



MAT 1428

(n, remainder)
Cross Section

14-Si-29
-12.00 To 8.431 %



4

Incident Energy (eV)

14-Si-29

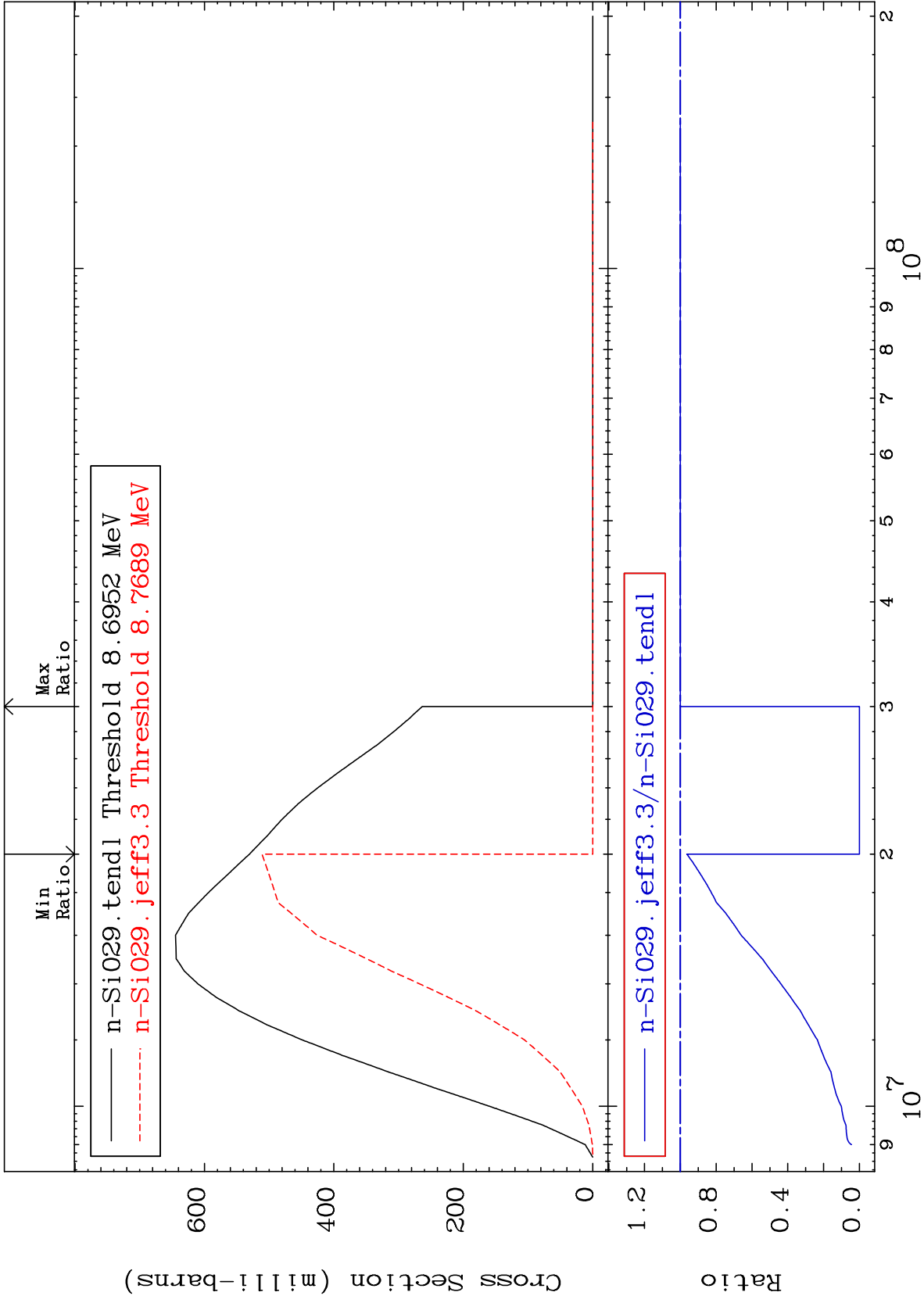
MAT 1428

(n,2n)

14-Si-29

Cross Section

-100.0 To 0.000 %



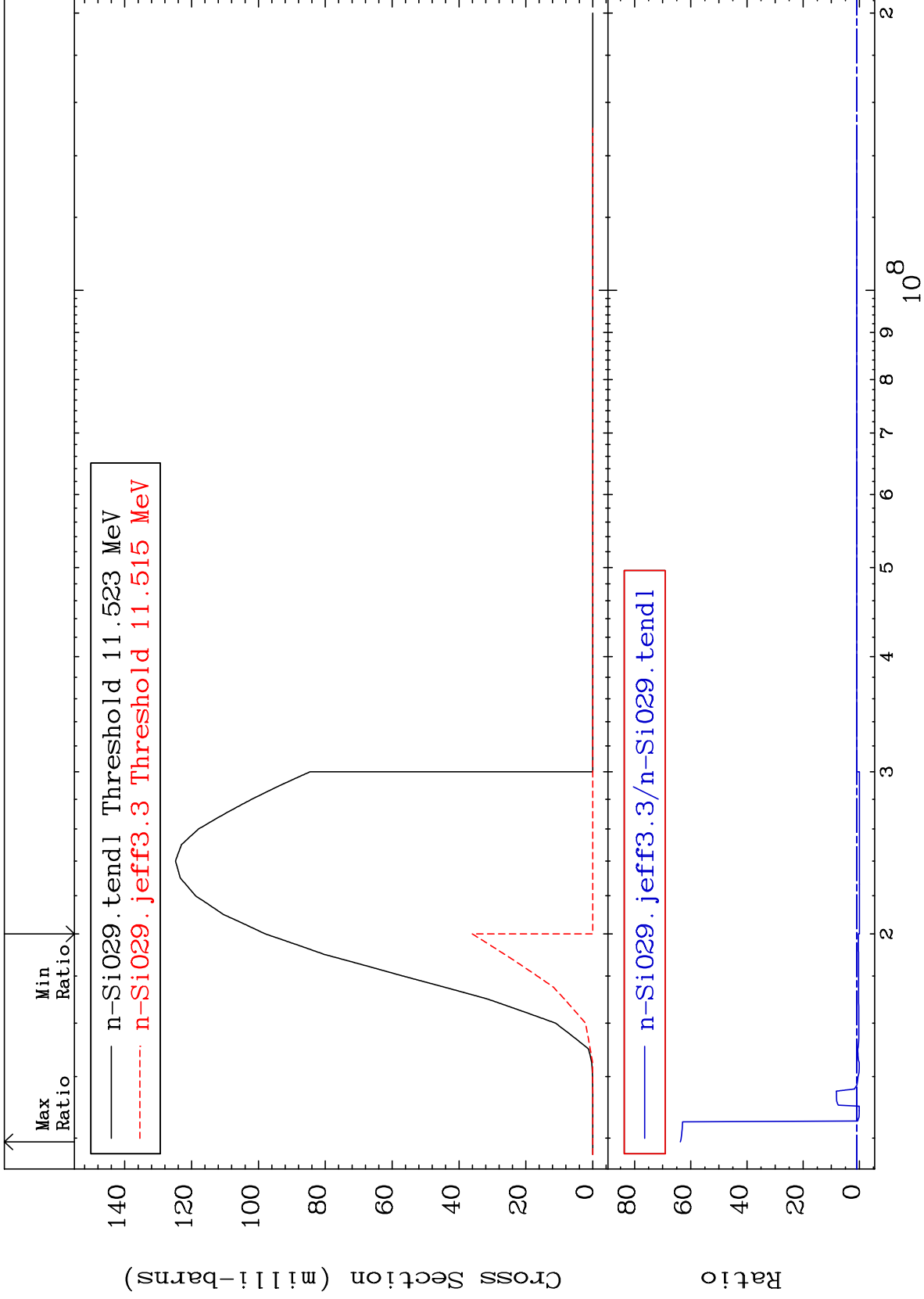
14-Si-29

5

MAT 1428

(n, n') α
Cross Section

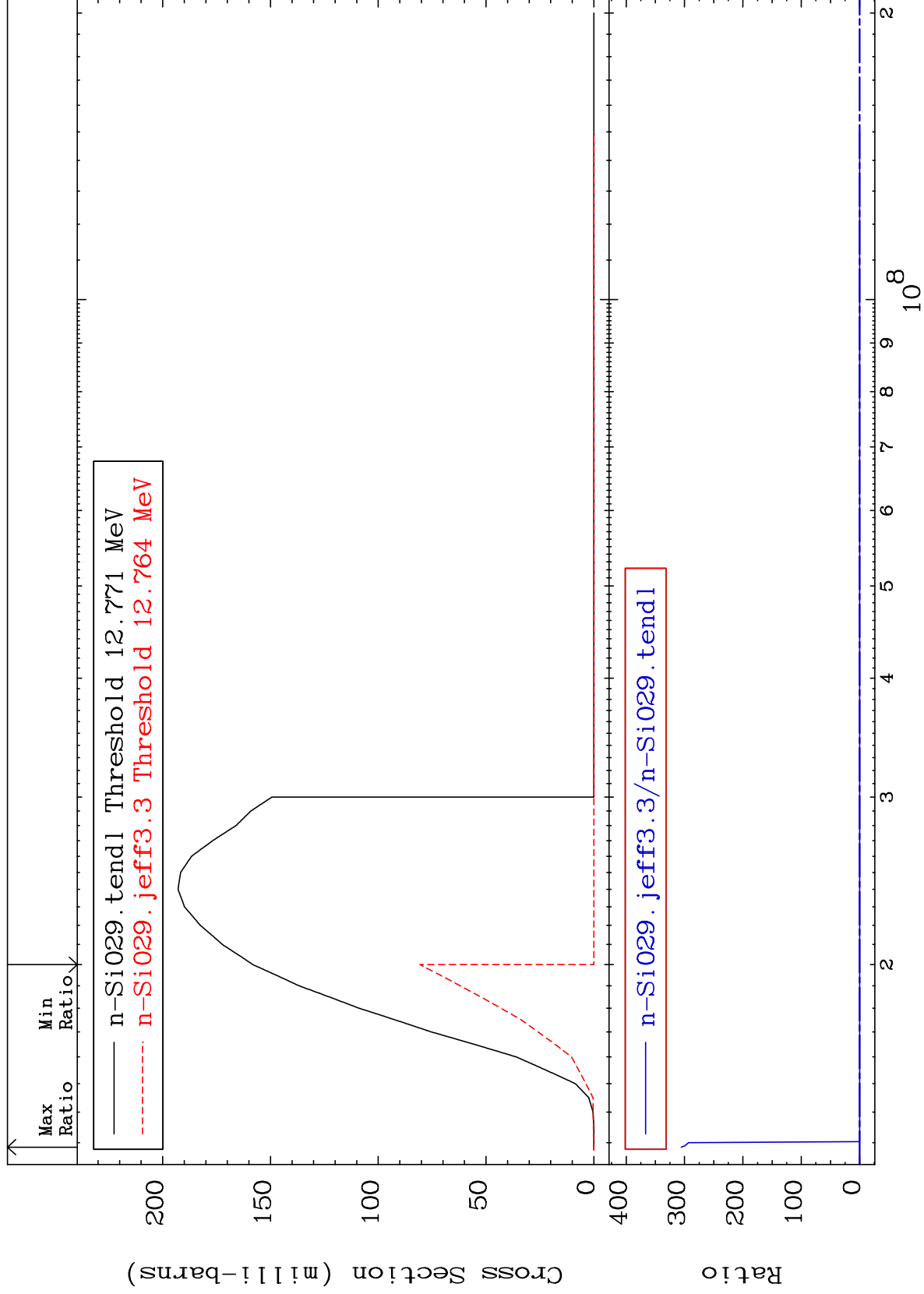
14-Si-29
-100.0 To 6271. %



MAT 1428

(n,n') p
Cross Section

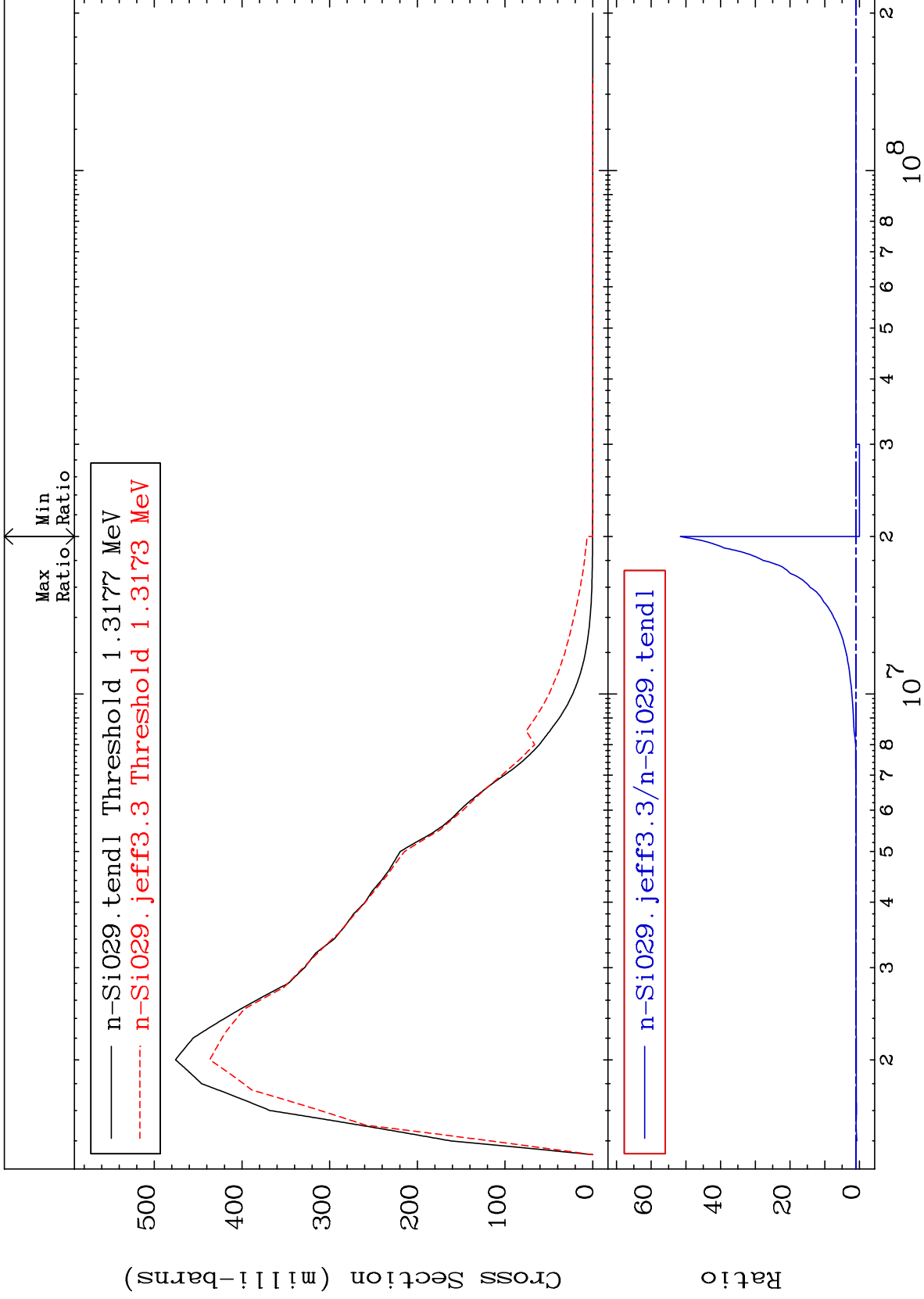
14-Si-29
-100.0 To 9999. %



MAT 1428

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

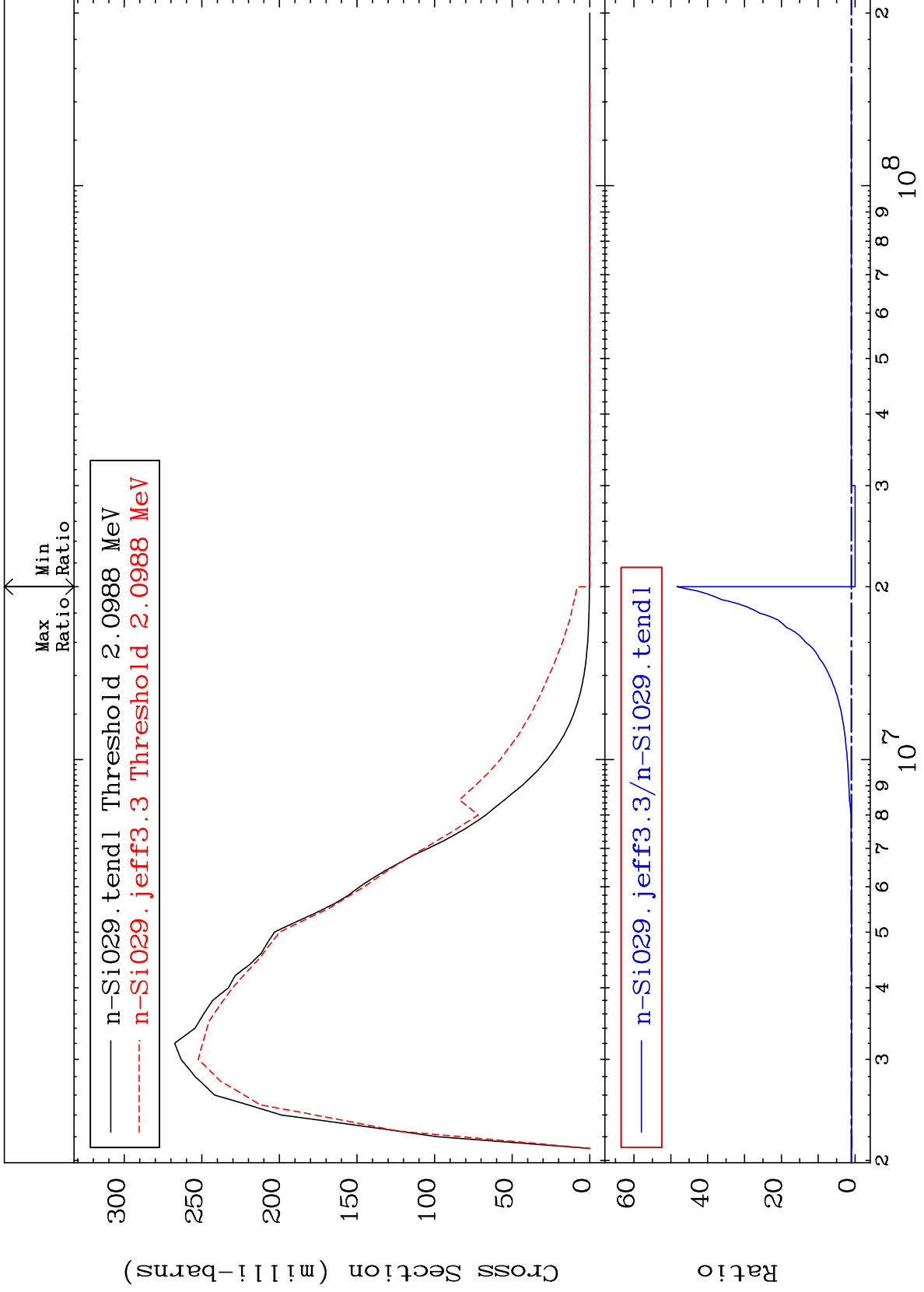
14-Si-29
-100.0 To 5060. %



MAT 1428

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

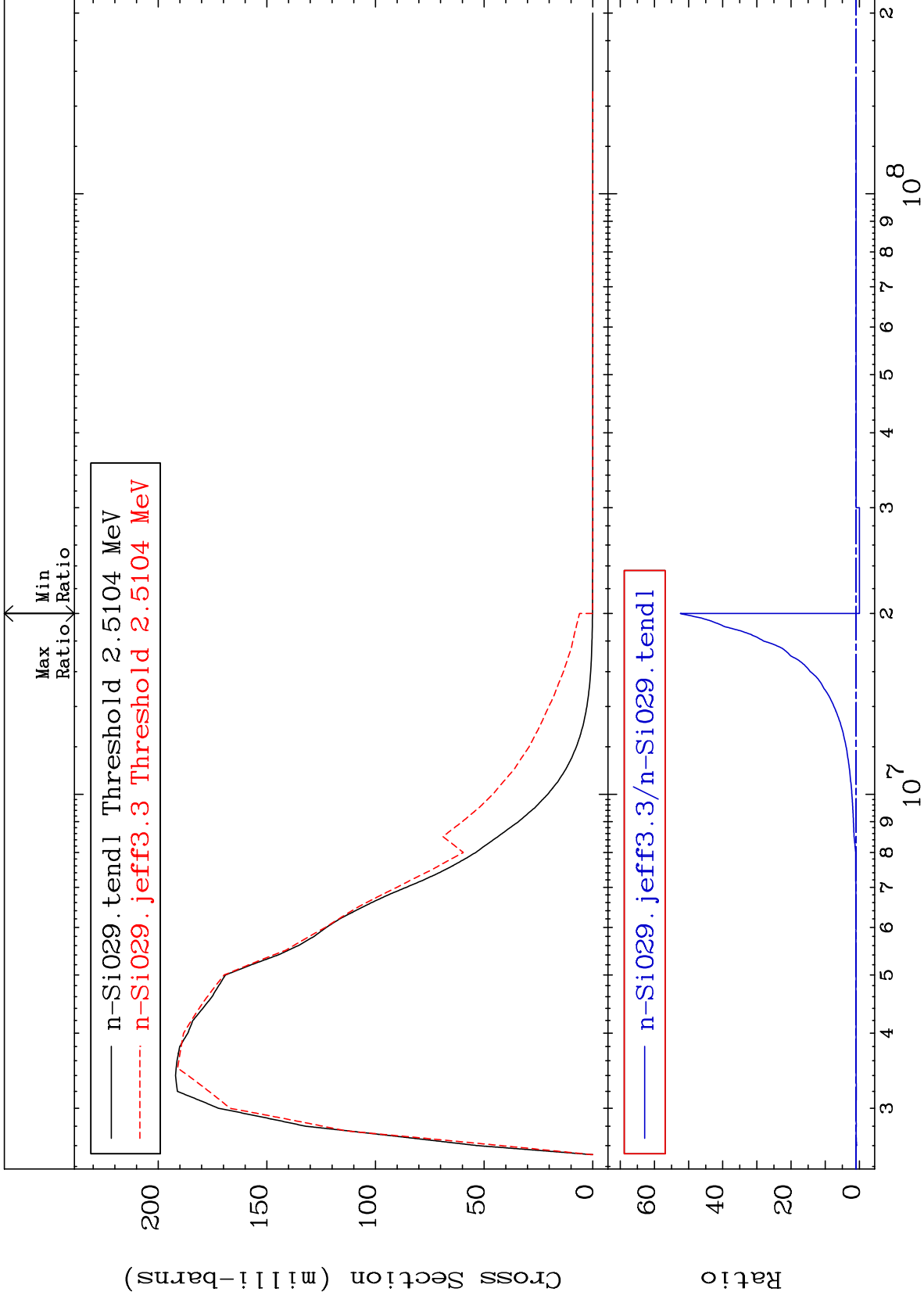
14-Si-29
-100.0 To 4733. %



MAT 1428

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

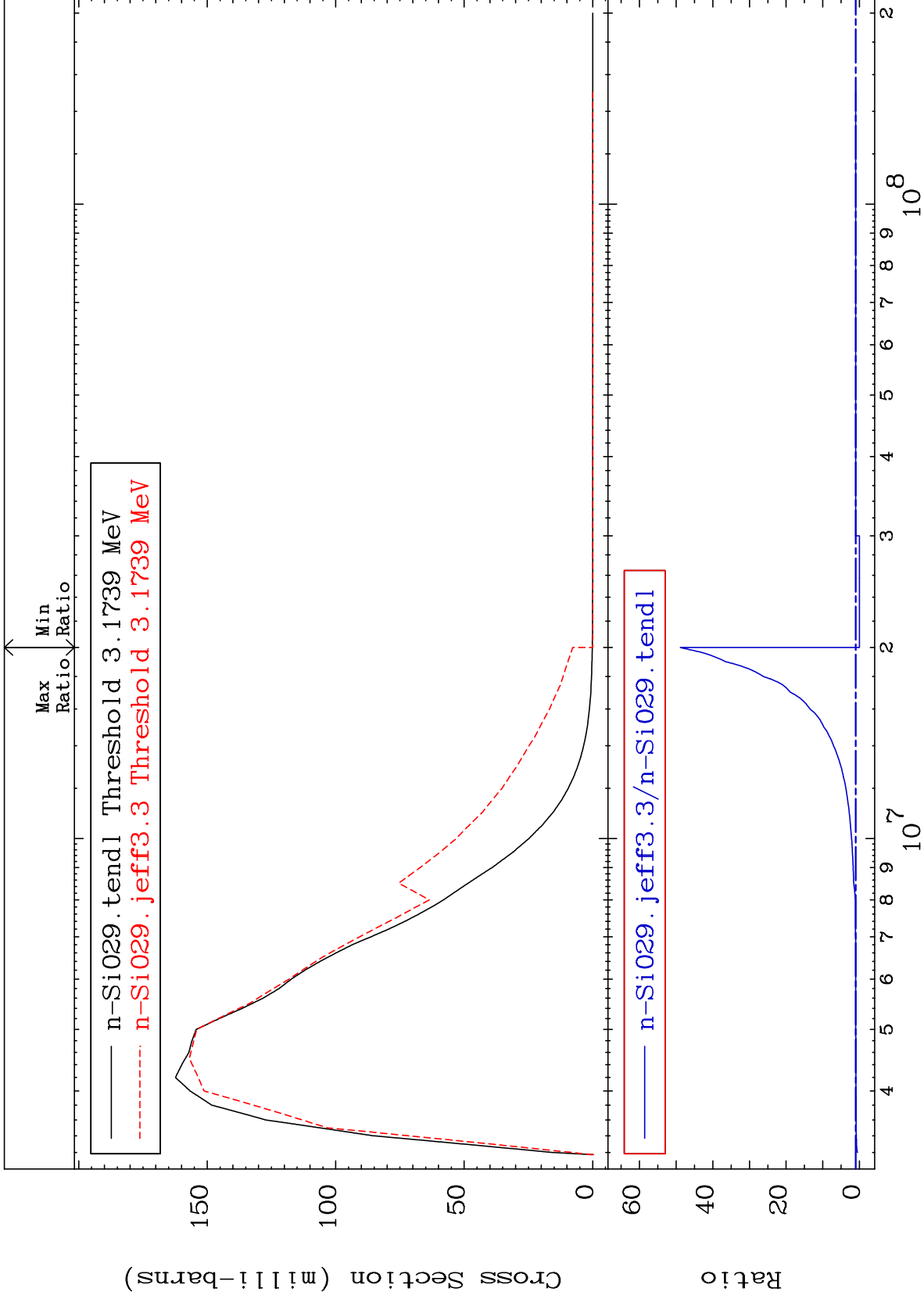
14-Si-29
-100.0 To 5140. %



MAT 1428

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

14-Si-29
-100.0 To 4785. %



11

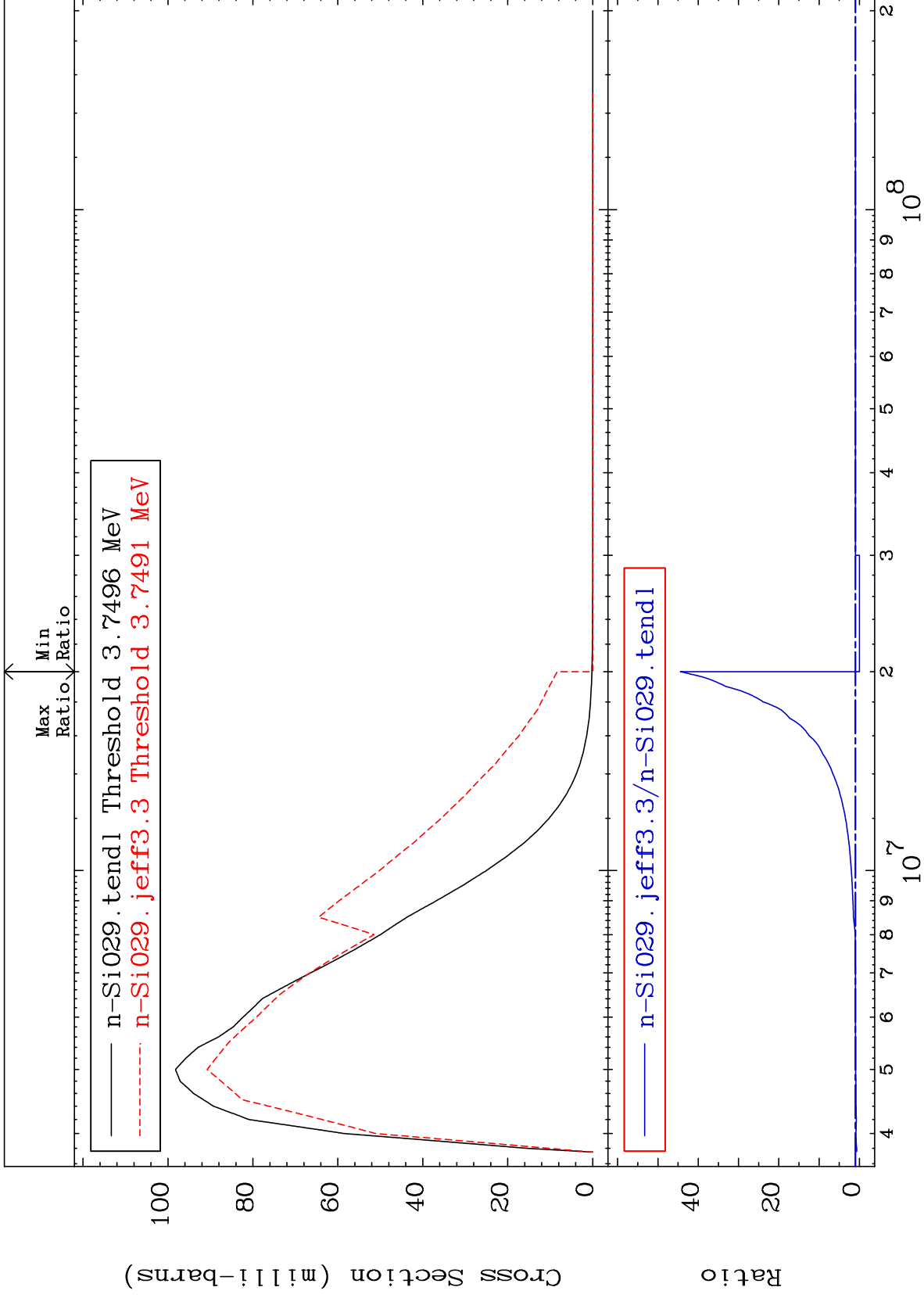
Incident Energy (eV)

14-Si-29

MAT 1428

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

14-Si-29
-100.0 To 4344. %

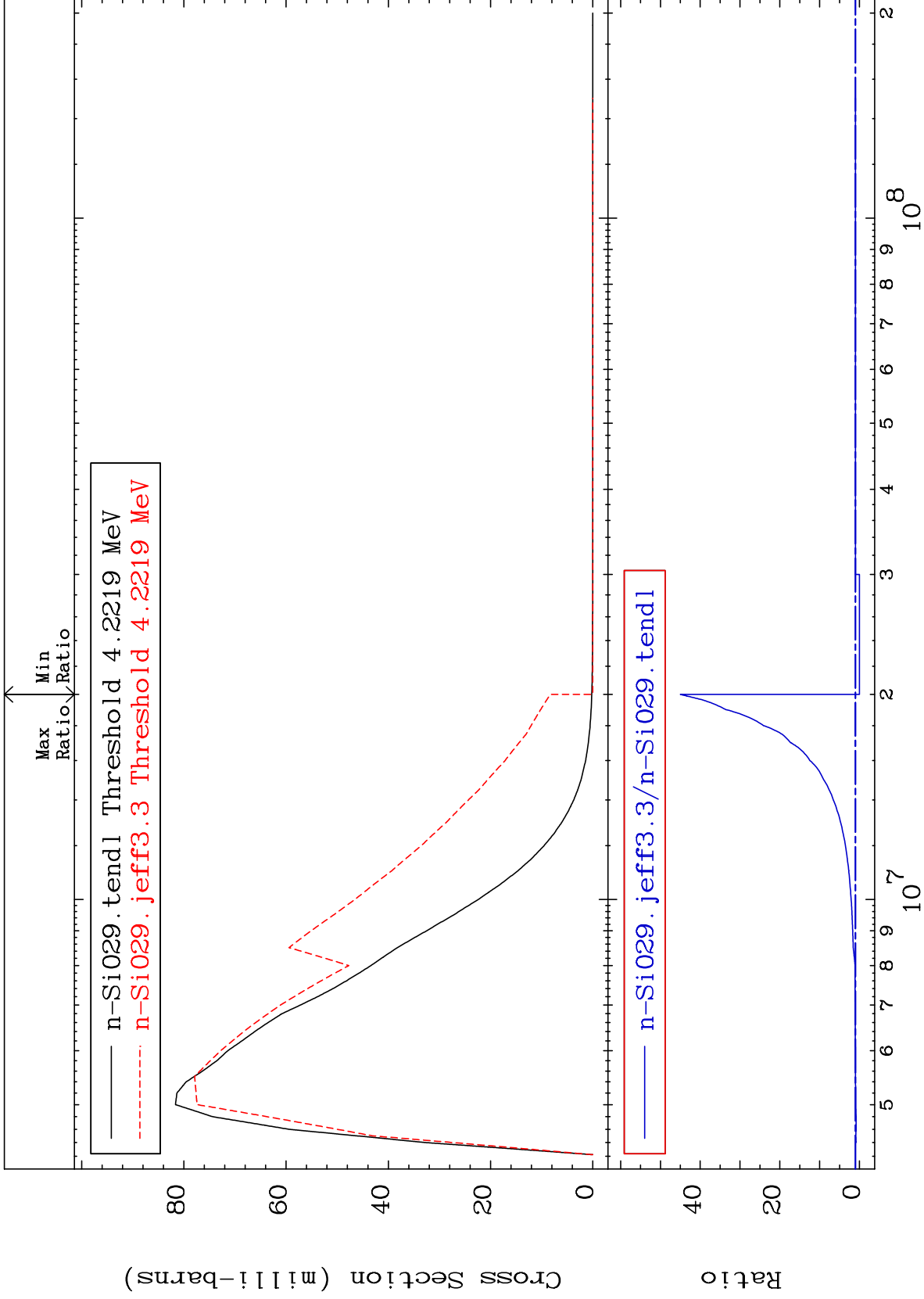


12

MAT 1428

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

14-Si-29
-100.0 To 4399. %



13

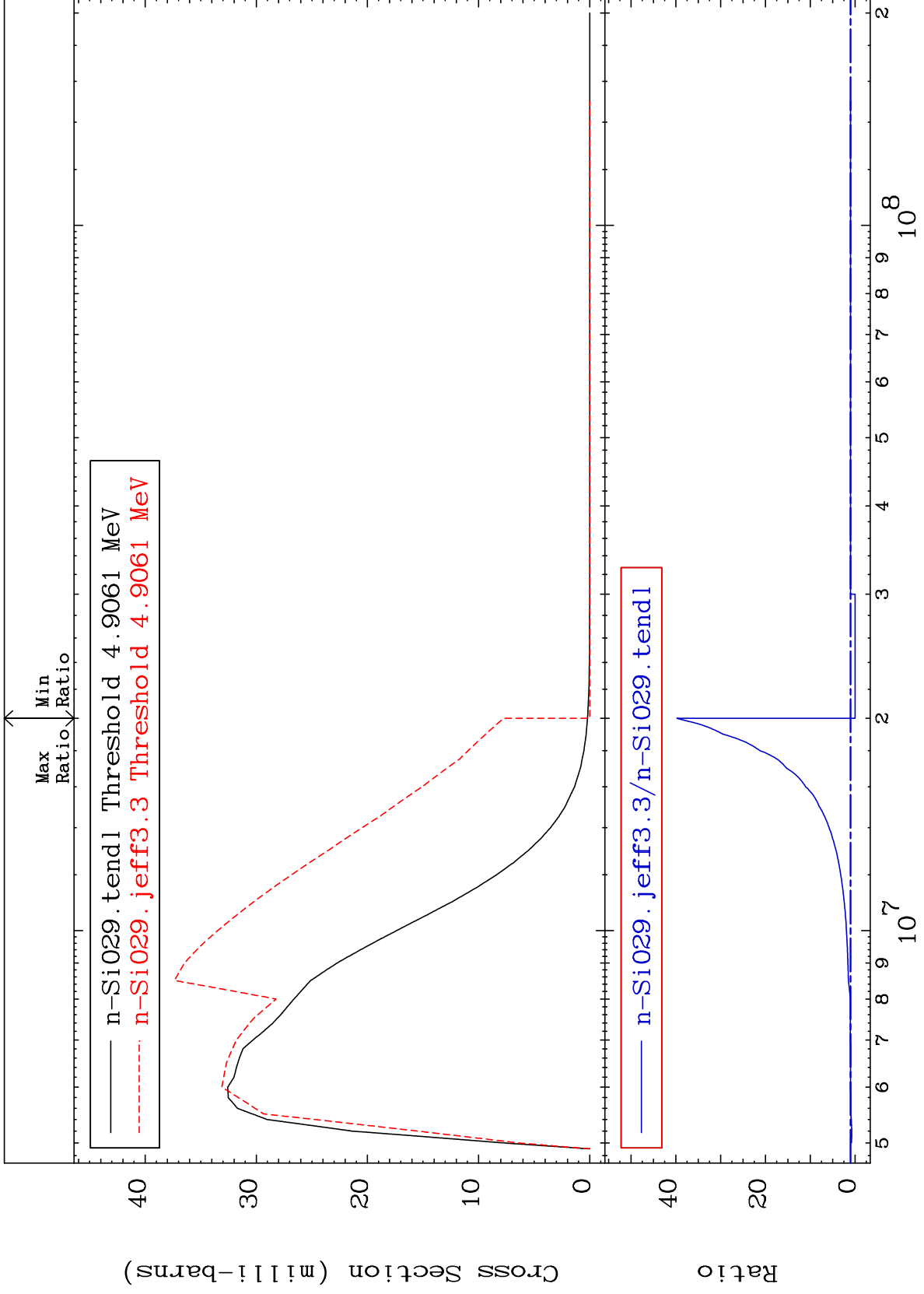
Incident Energy (eV)

14-Si-29

MAT 1428

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

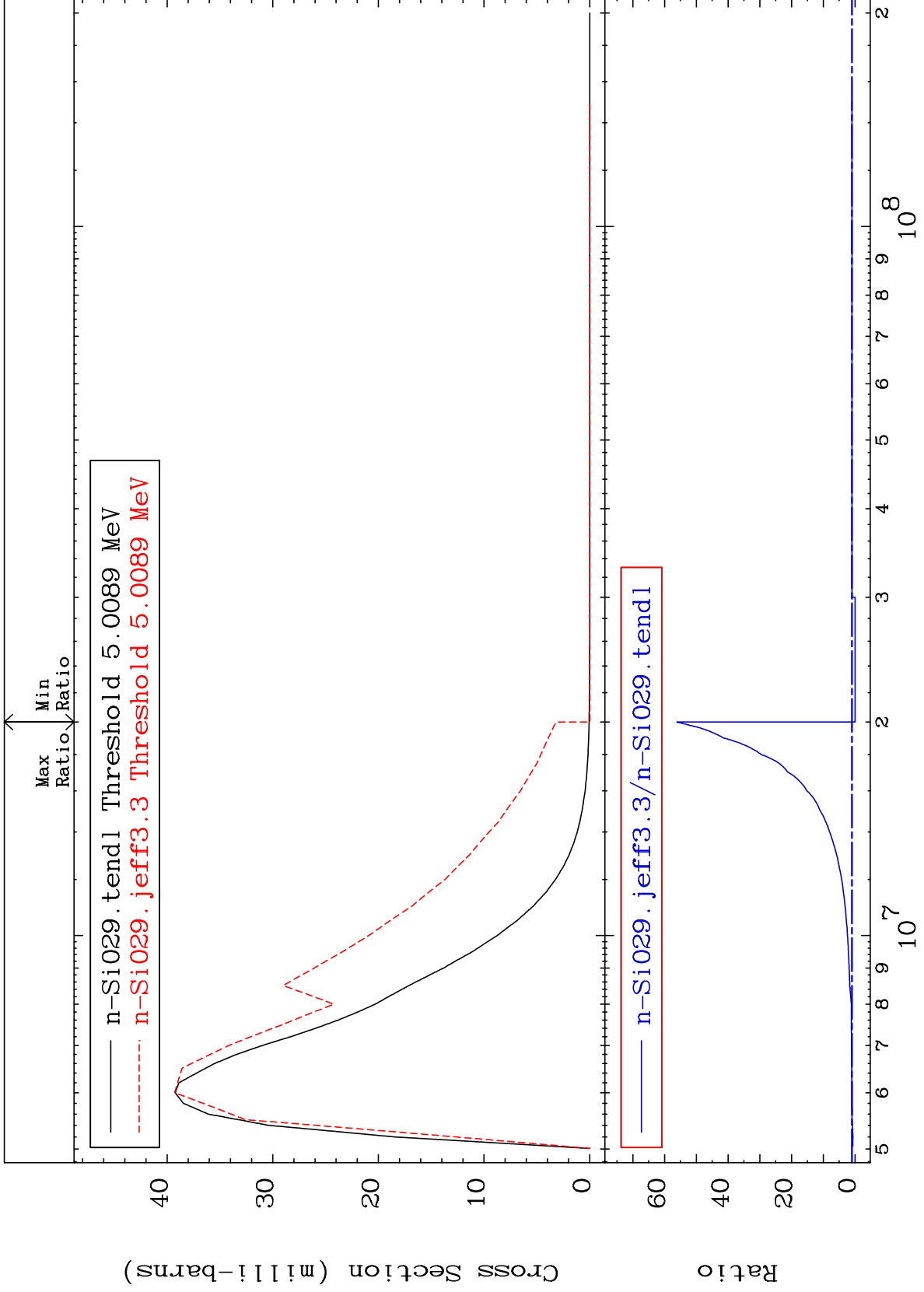
14-Si-29
-100.0 To 3875. %



MAT 1428

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

14-Si-29
-100.0 To 5512. %



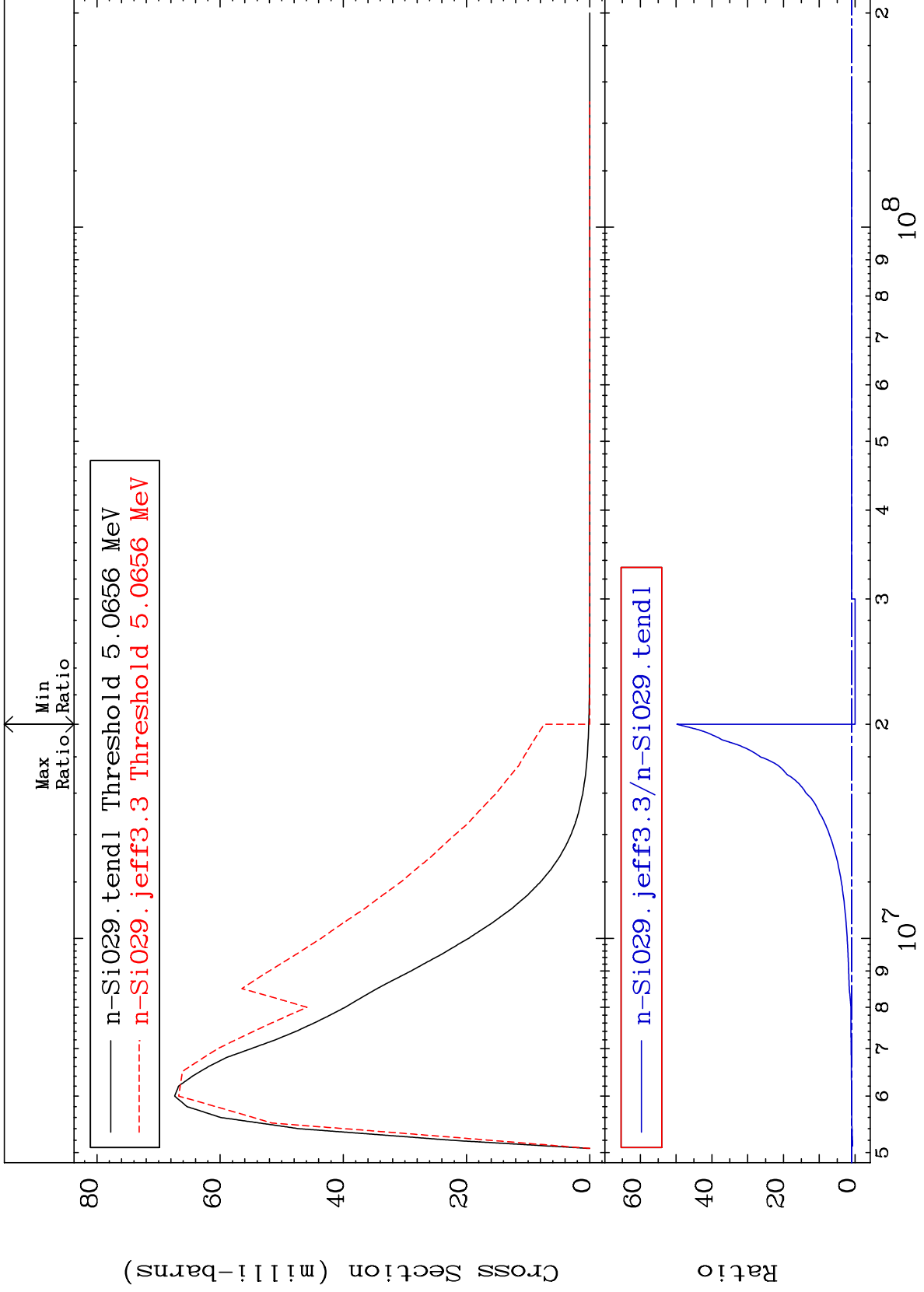
15

14-Si-29

MAT 1428

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

14-Si-29
-100.0 To 4876. %



16

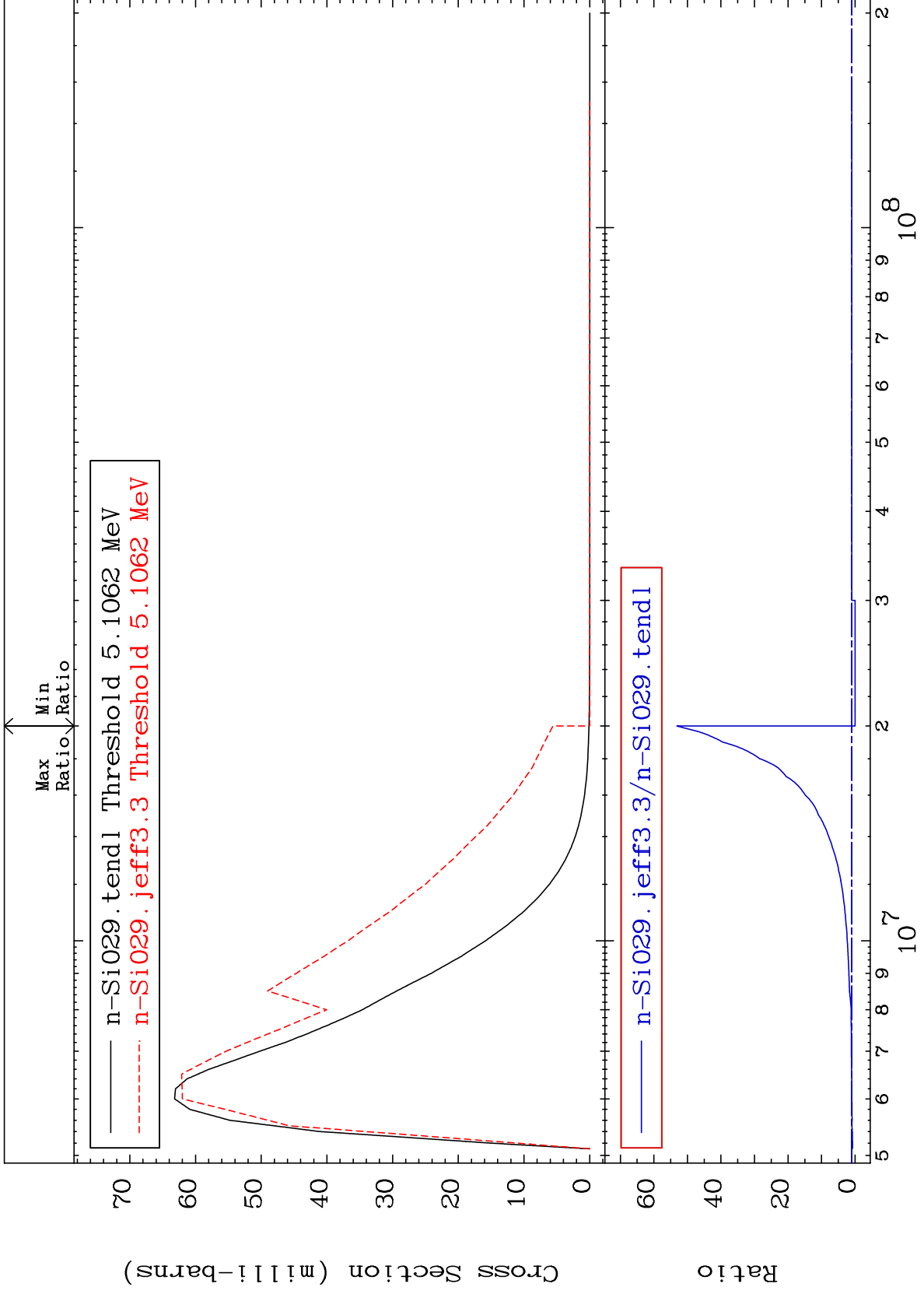
Incident Energy (eV)

14-Si-29

MAT 1428

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

14-Si-29
-100.0 To 5213. %



17

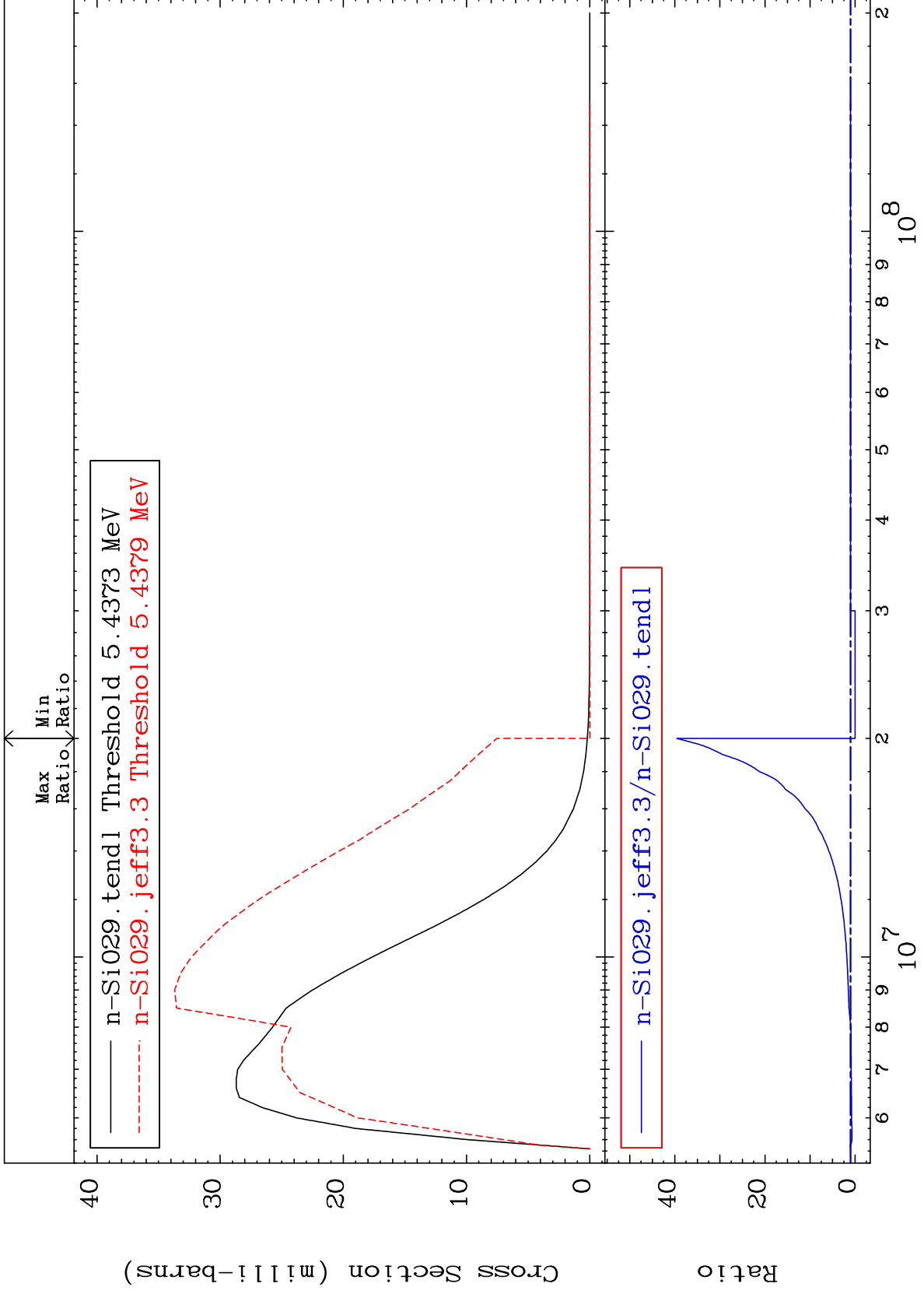
Incident Energy (eV)

14-Si-29

MAT 1428

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

14-Si-29
-100.0 To 3854. %



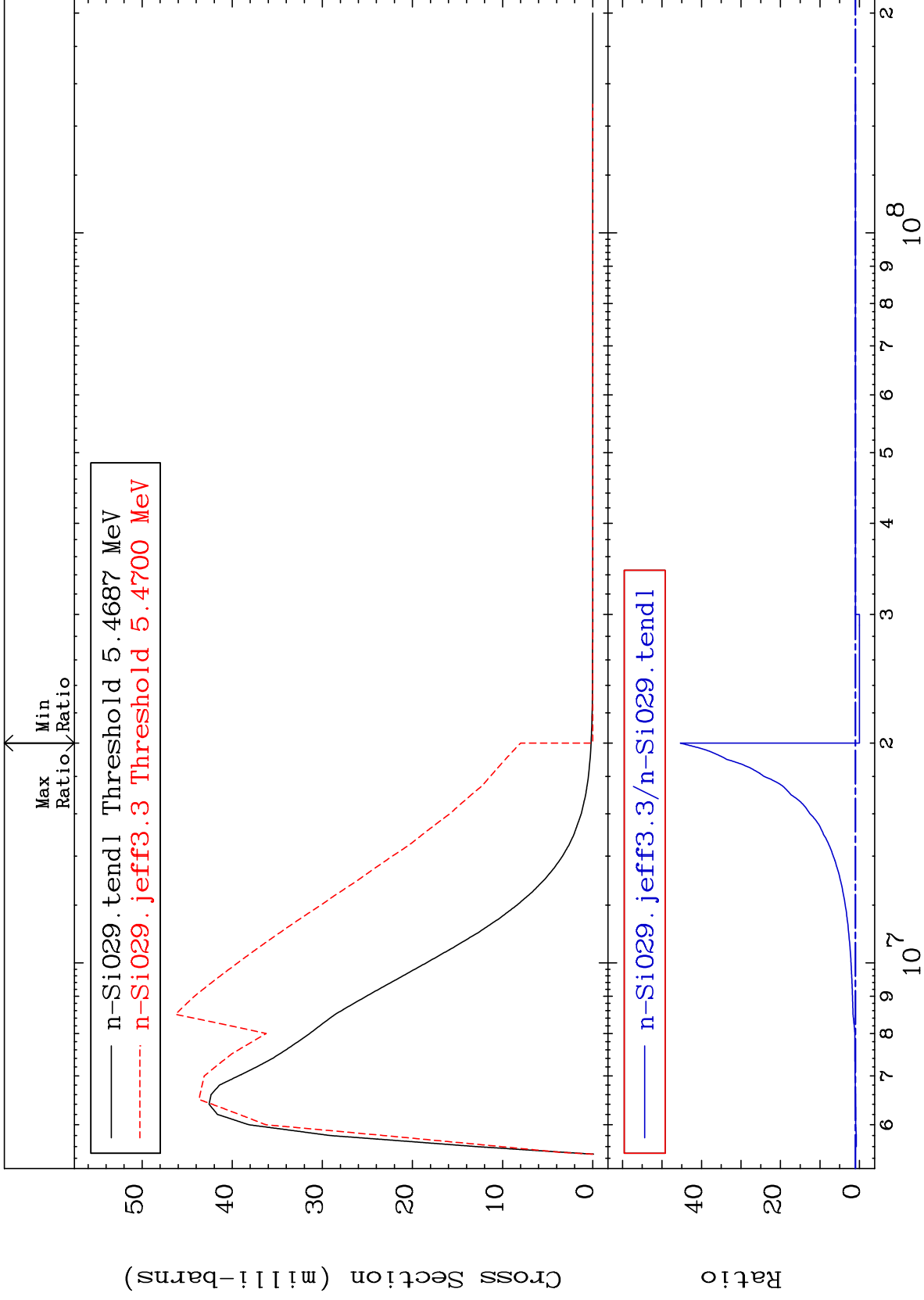
18

14-Si-29

MAT 1428

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

14-Si-29
-100.0 To 4435. %



19

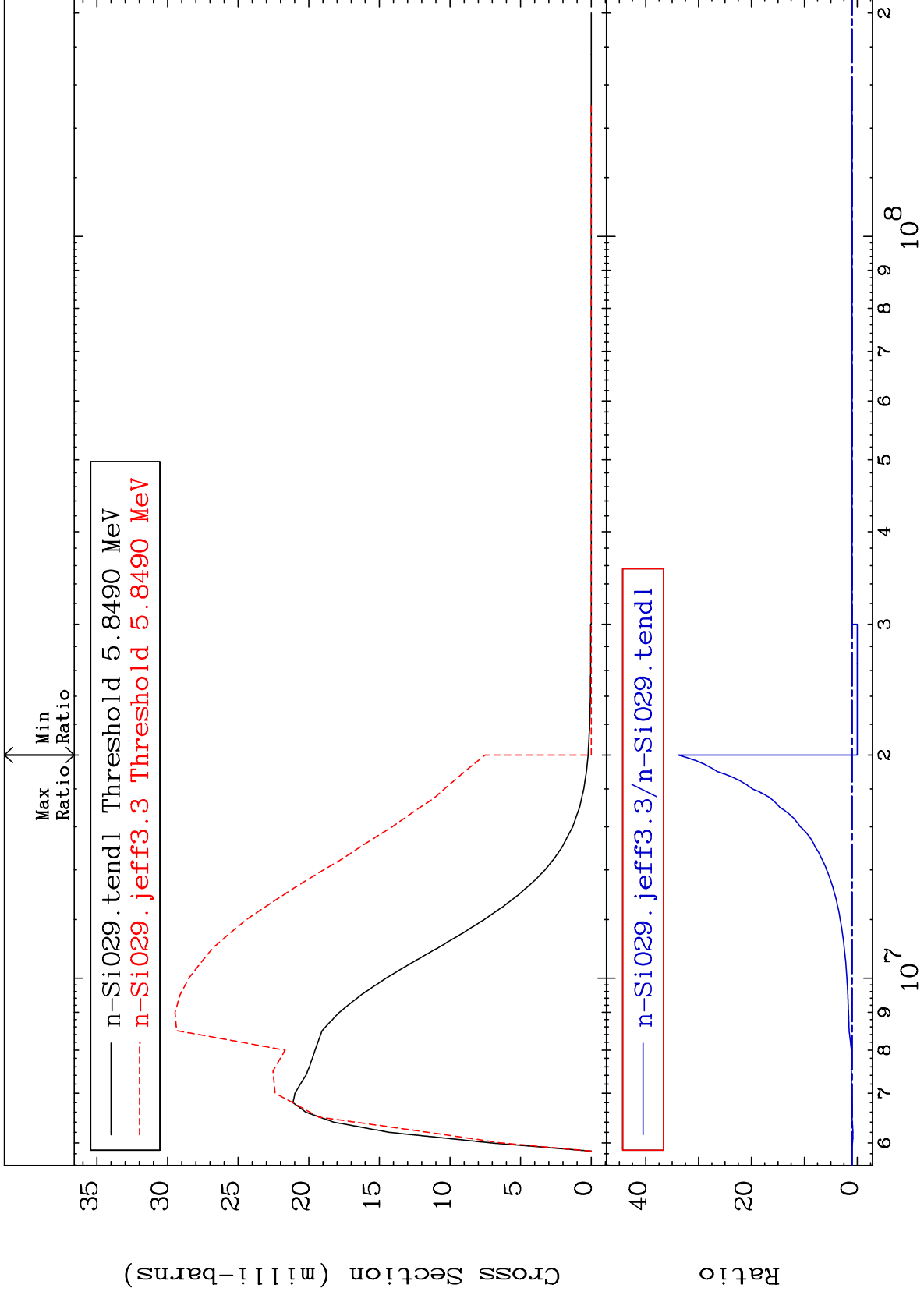
Incident Energy (eV)

14-Si-29

MAT 1428

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

14-Si-29
-100.0 To 3277. %



20

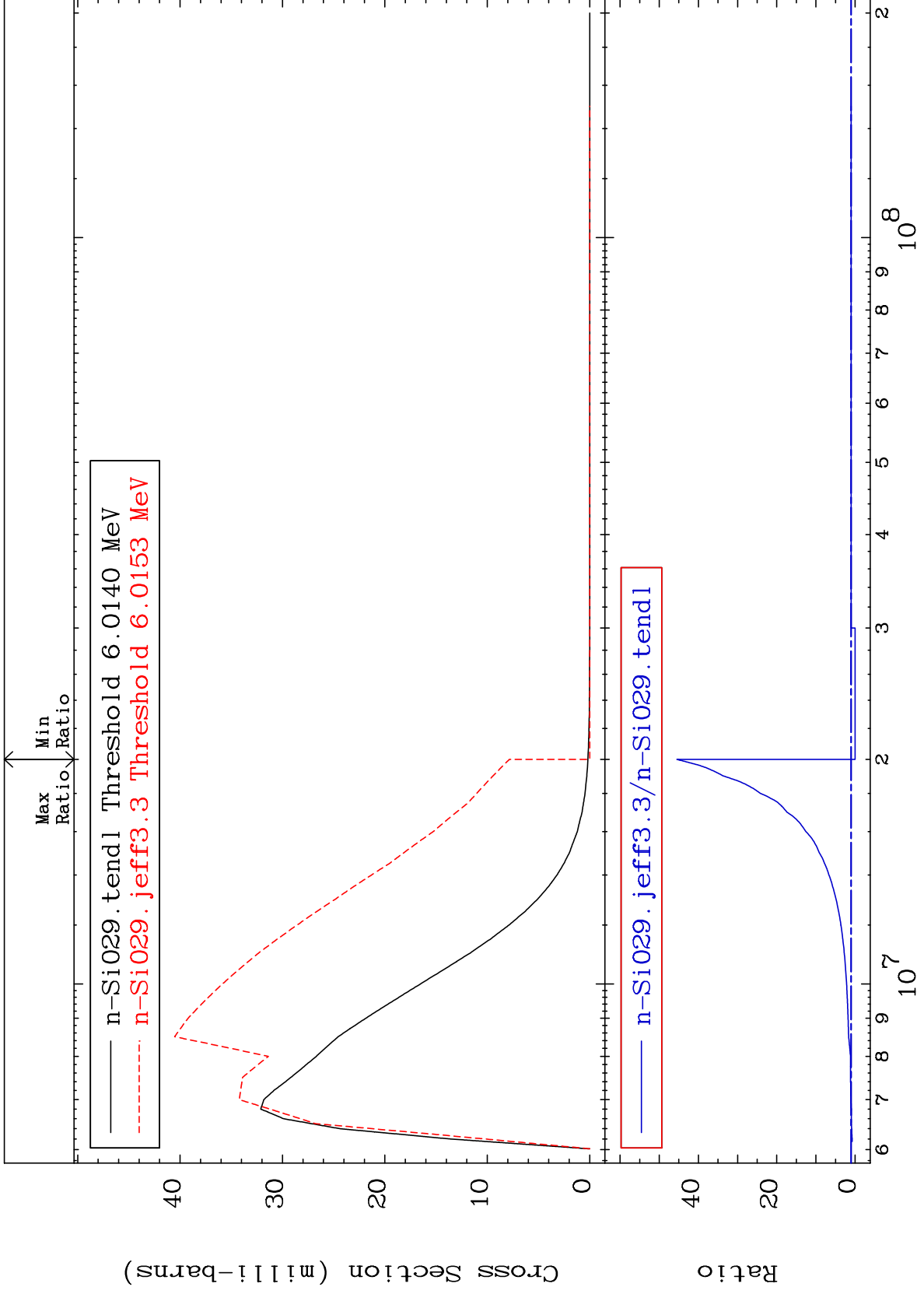
Incident Energy (eV)

14-Si-29

MAT 1428

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

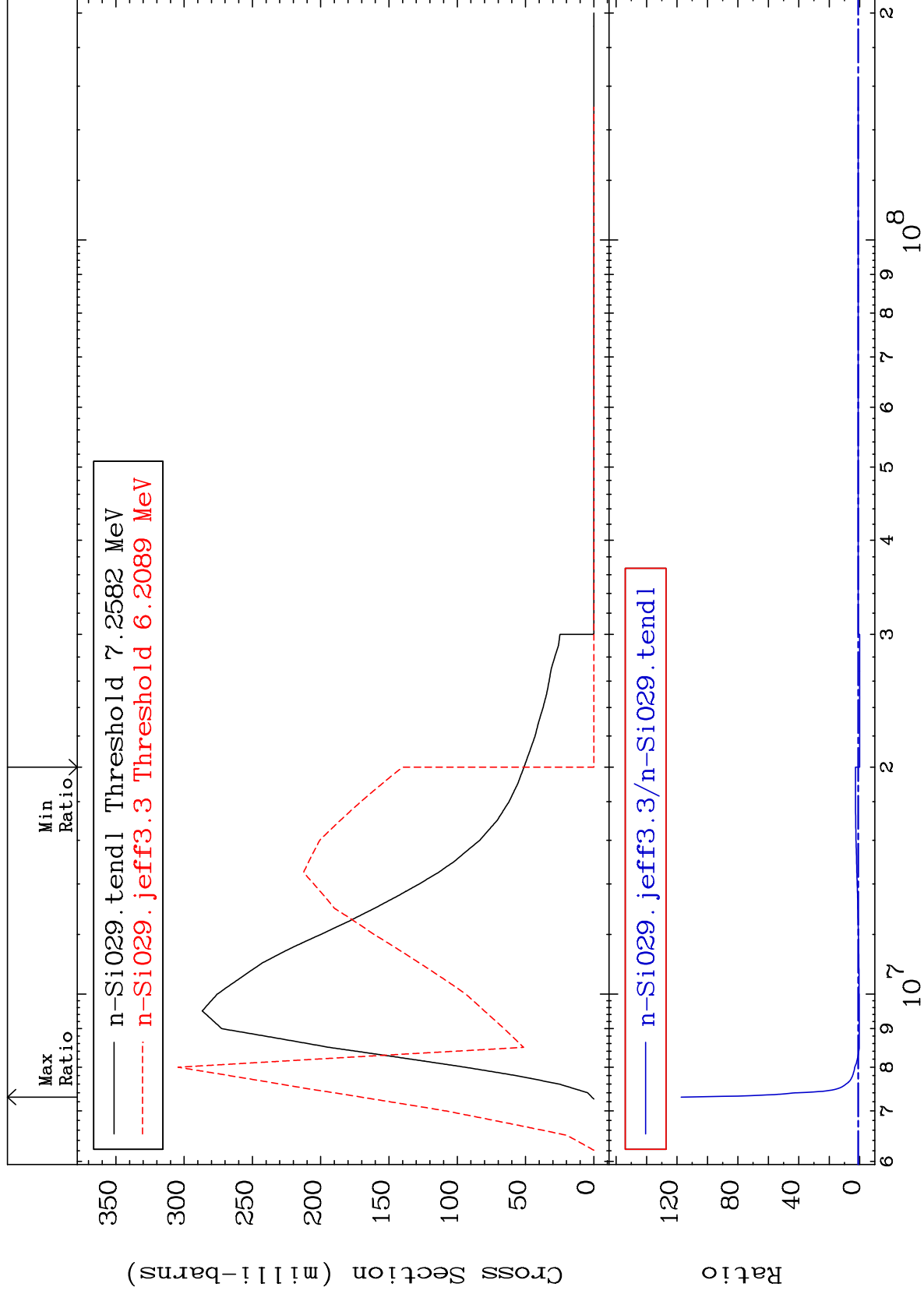
14-Si-29
-100.0 To 4449. %



MAT 1428

(n, n') Continuum
Cross Section

14-Si-29
-100.0 To 9999. %



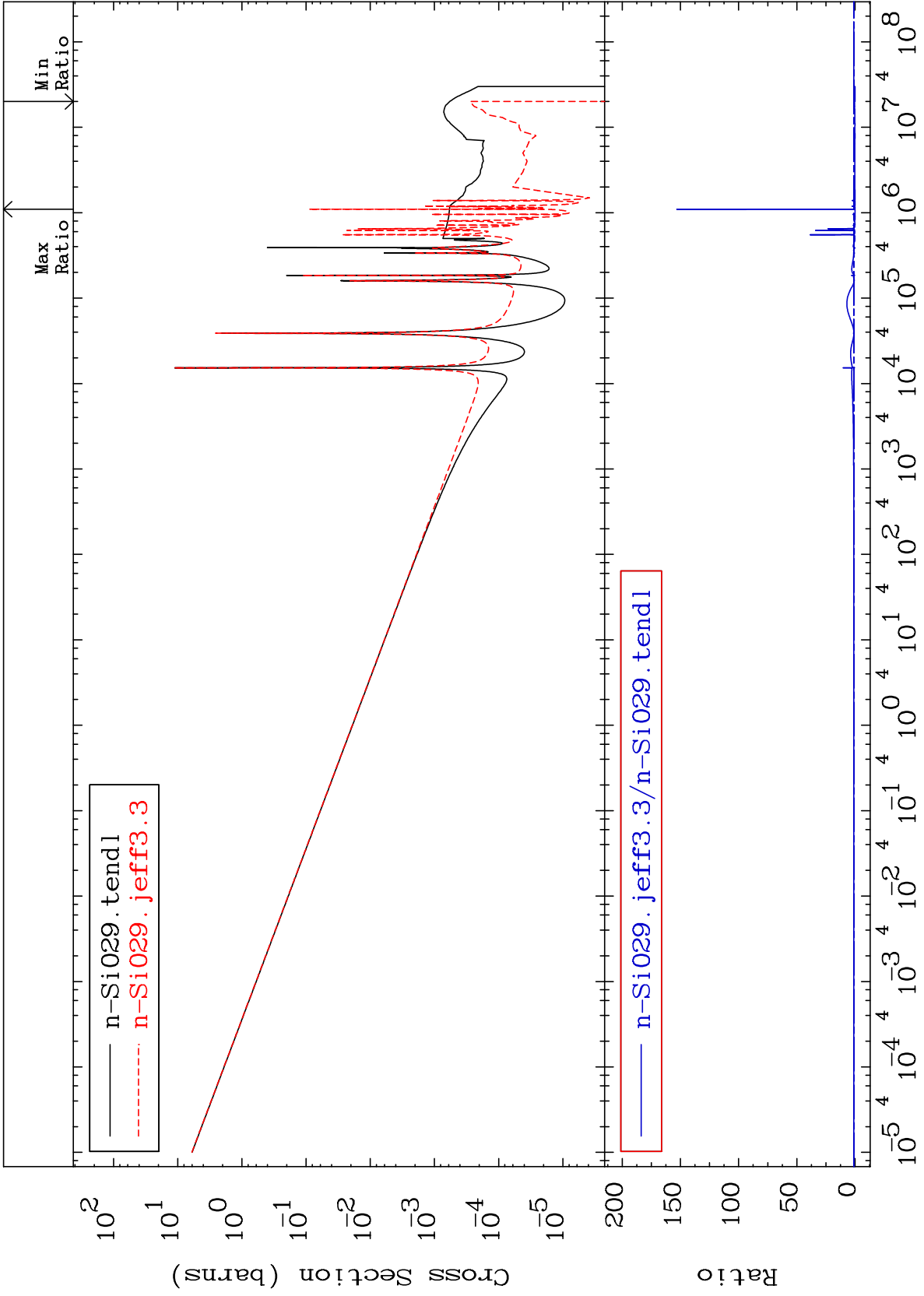
MAT 1428

(n, γ)

14-Si-29

Cross Section

-100.0 To 9999. %



23

14-Si-29

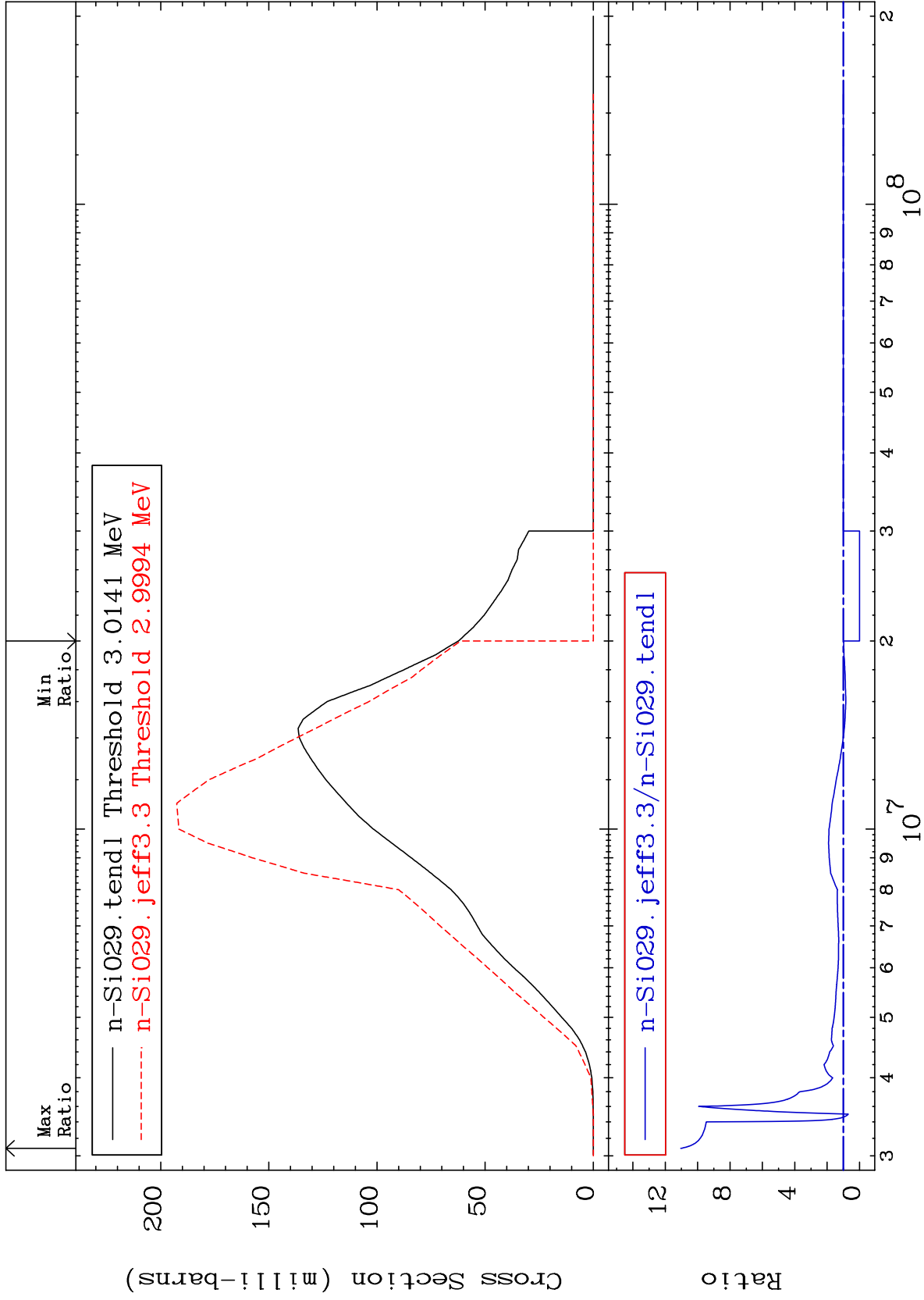
MAT 1428

(n,p)

¹⁴Si-29

Cross Section

-100.0 To 1004. %



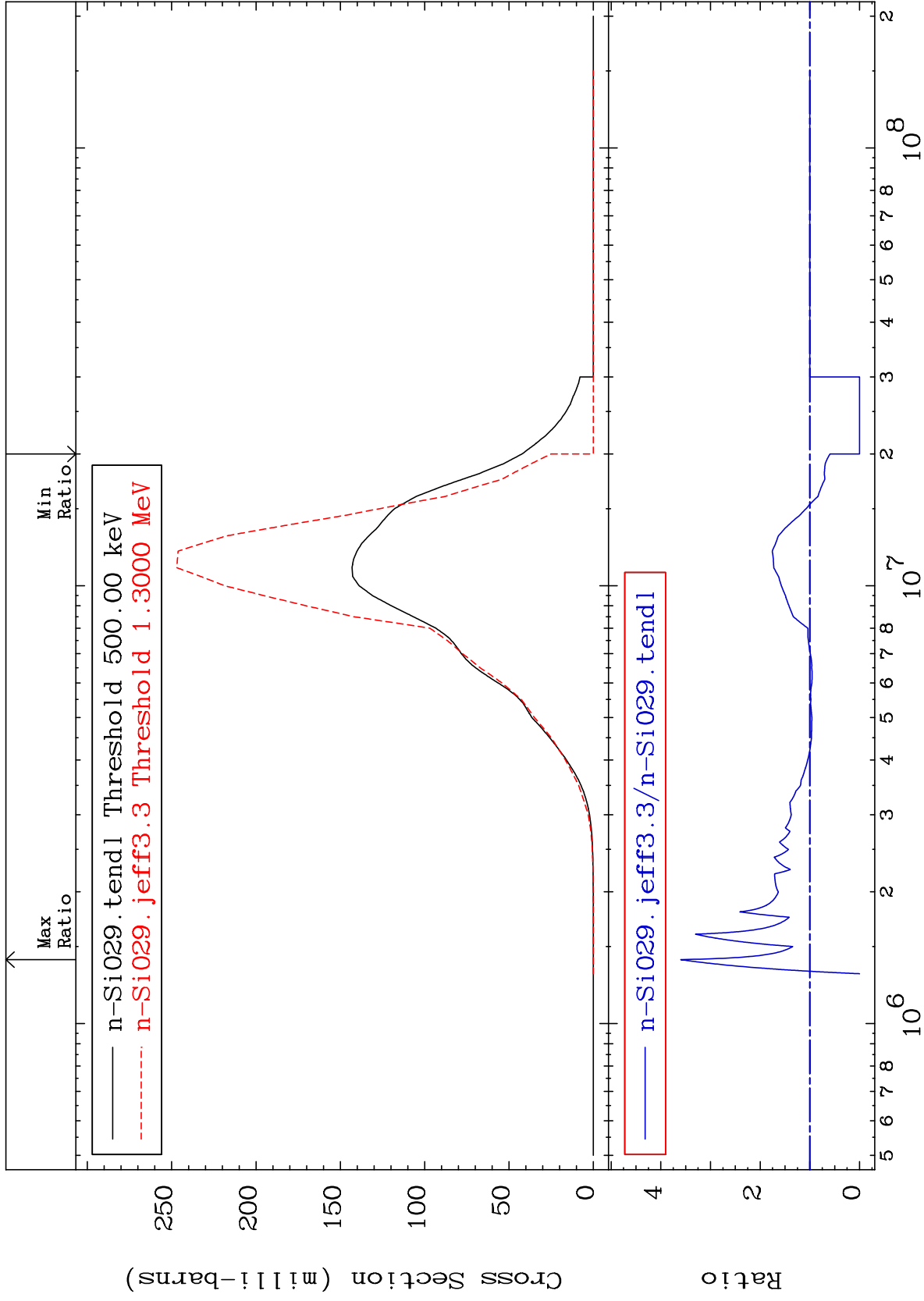
24

Incident Energy (eV)

¹⁴Si-29

MAT 1428

(n, α)
Cross Section
-100.0 To 259.8 %



25

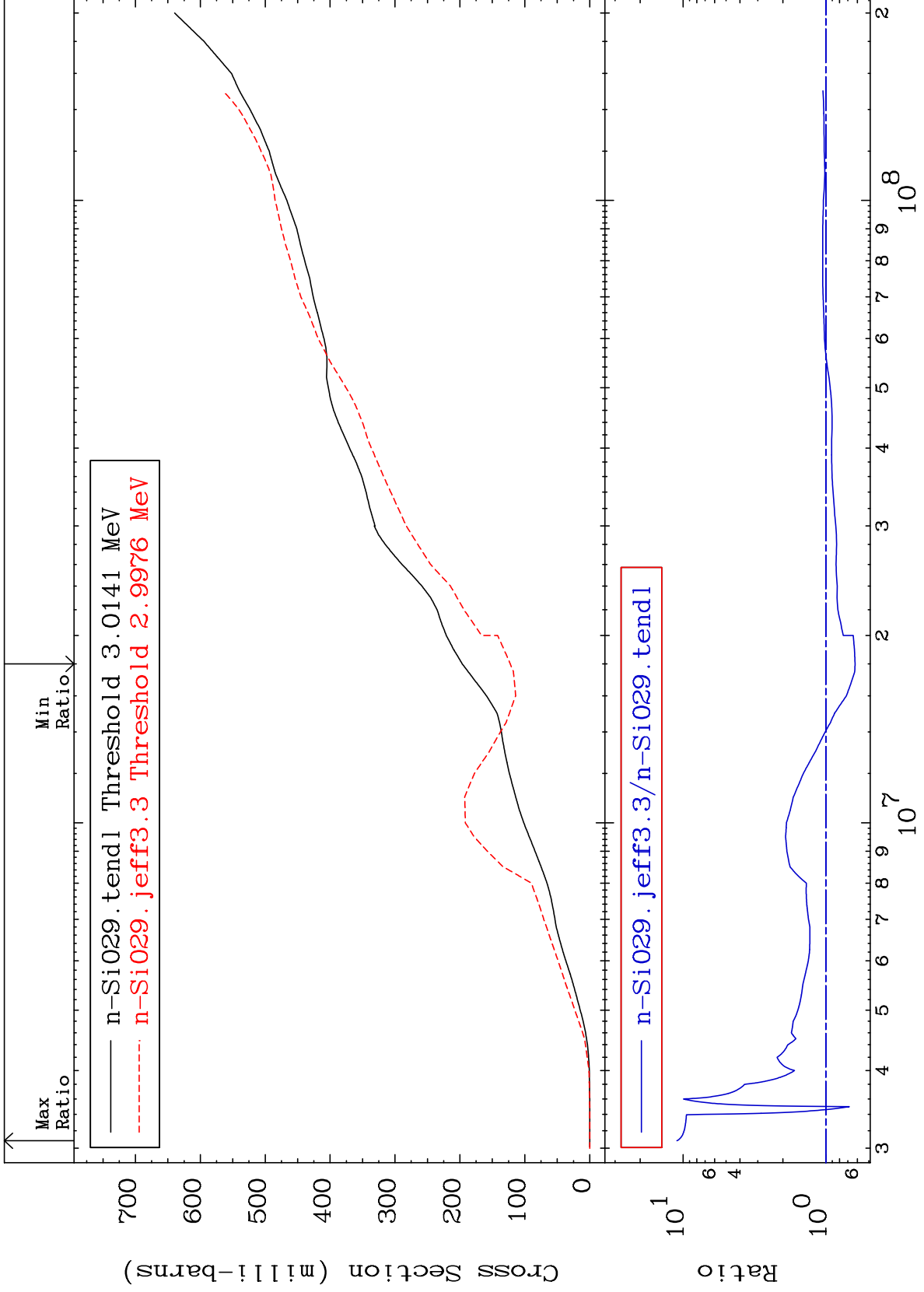
Incident Energy (eV)

14-Si-29

MAT 1428

Hydrogen Production
Cross Section

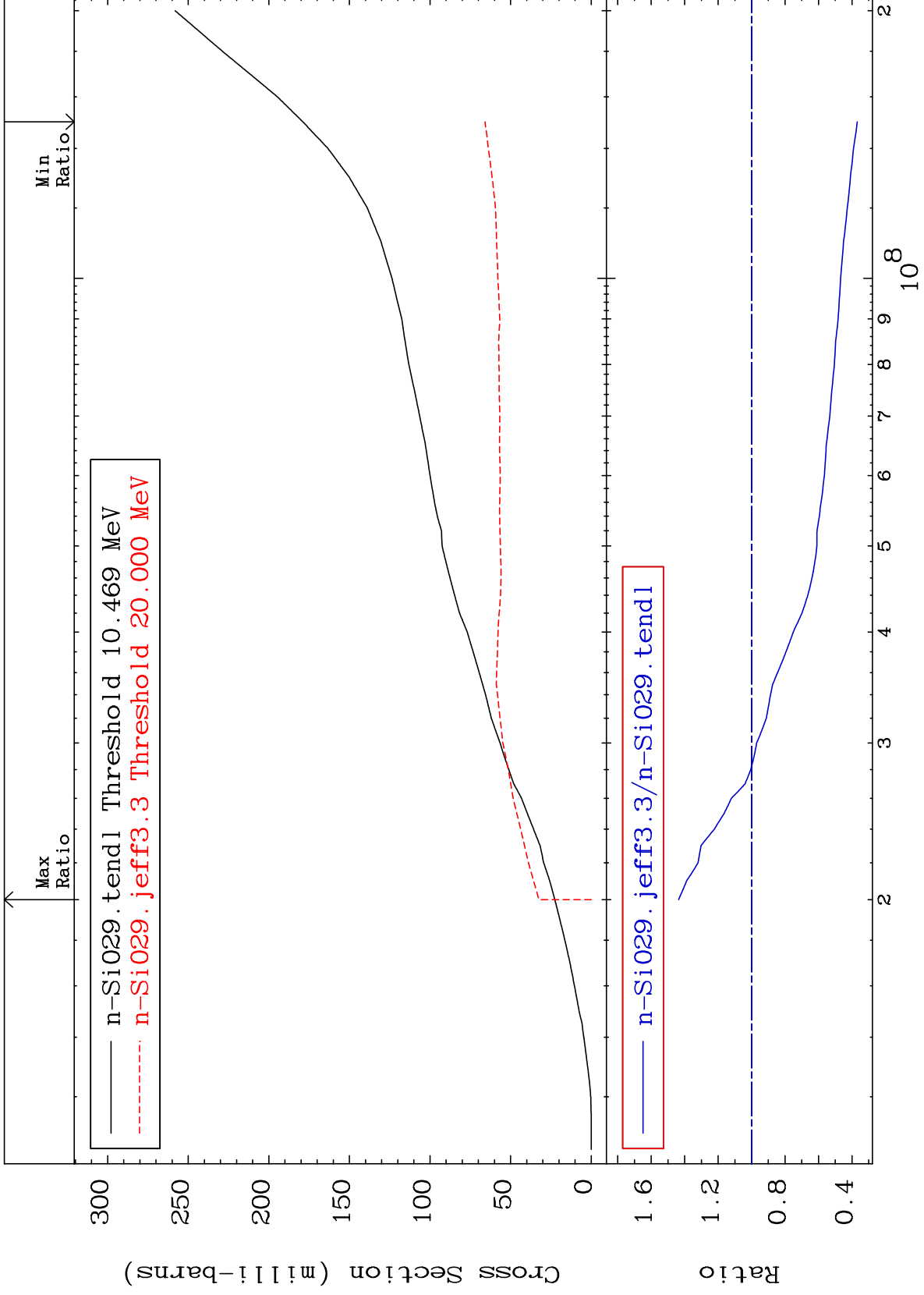
14-Si-29
-37.66 To 1004. %



MAT 1428

Deuterium Production
Cross Section

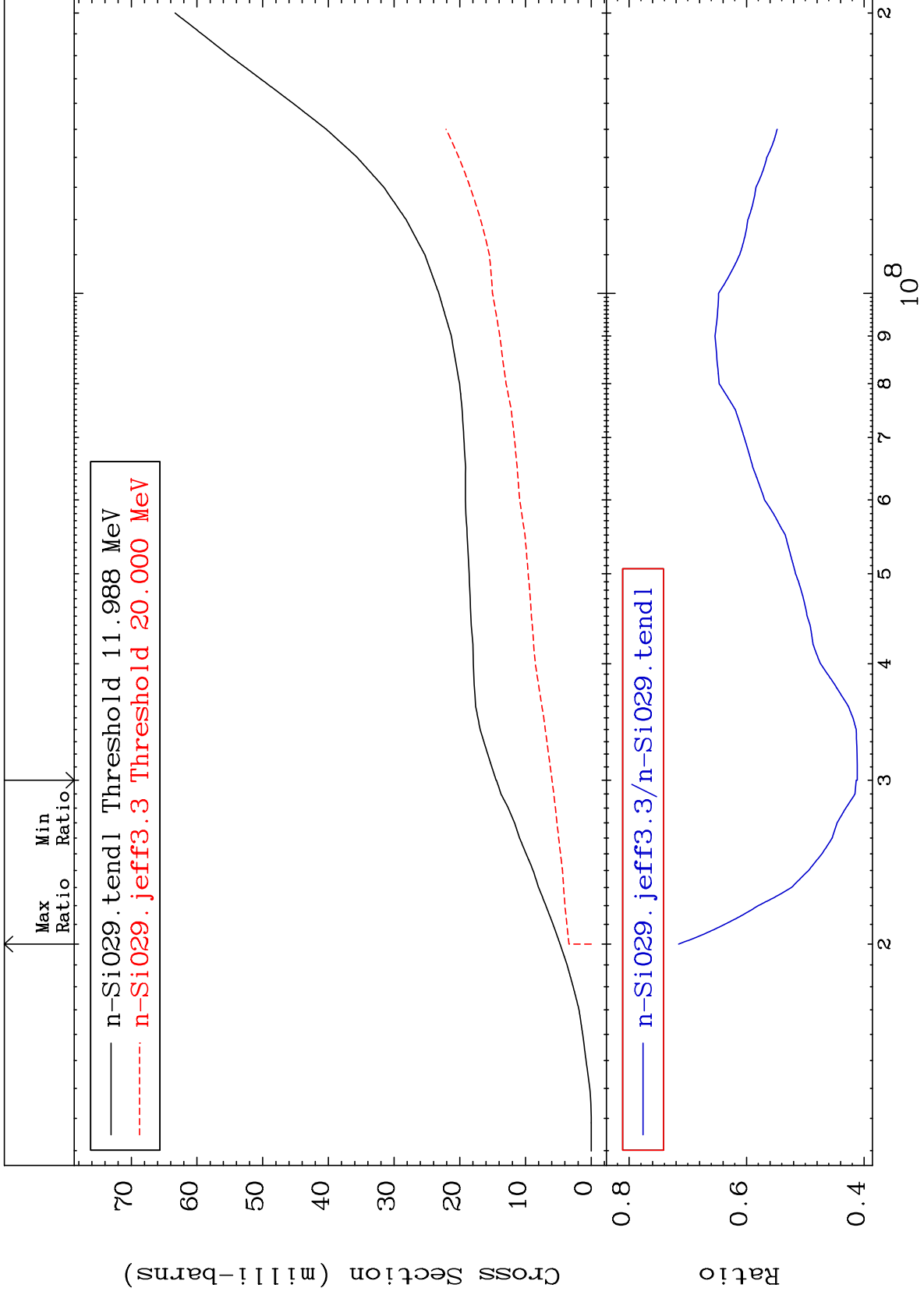
14-Si-29
-63.16 To 43.60 %

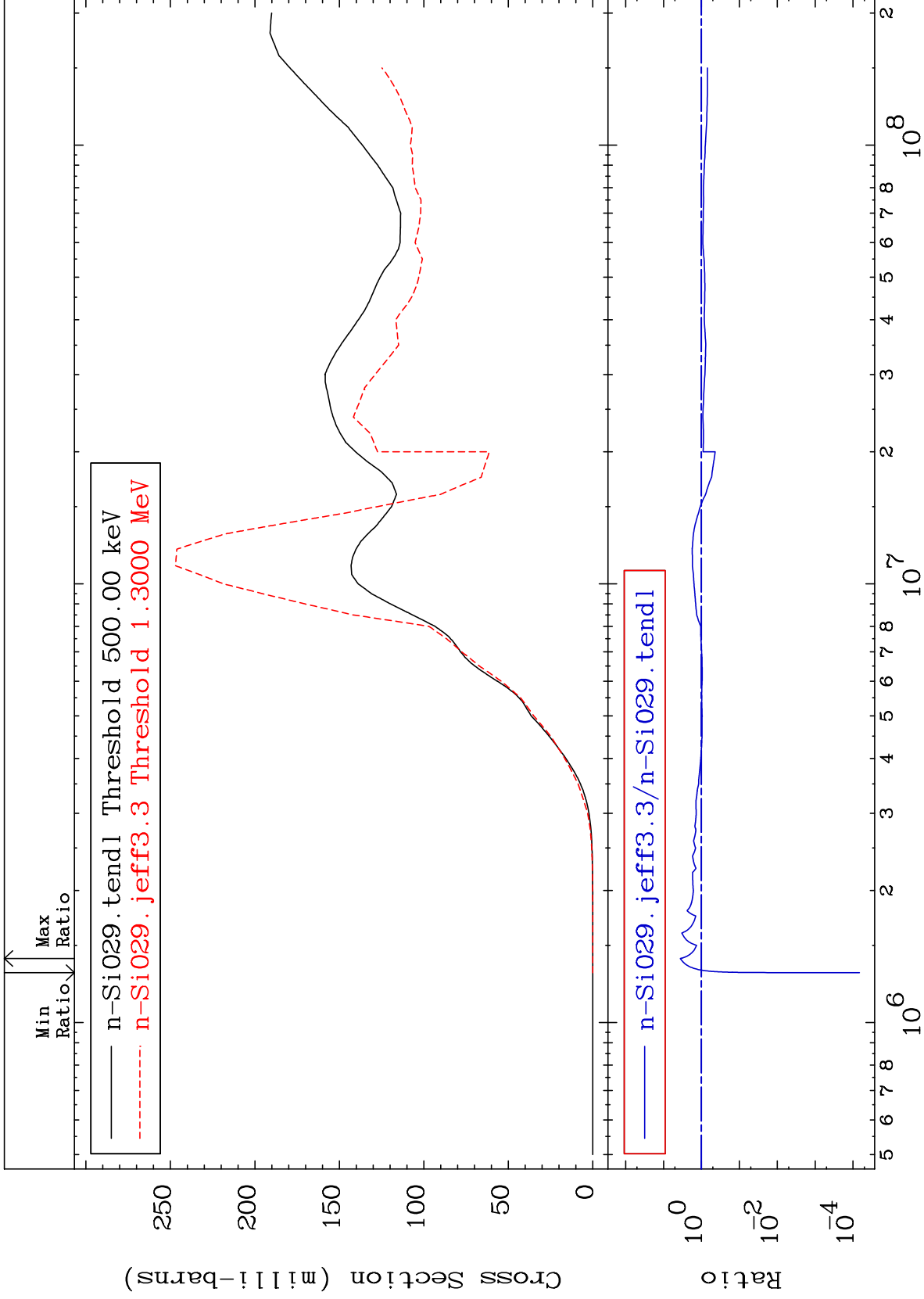


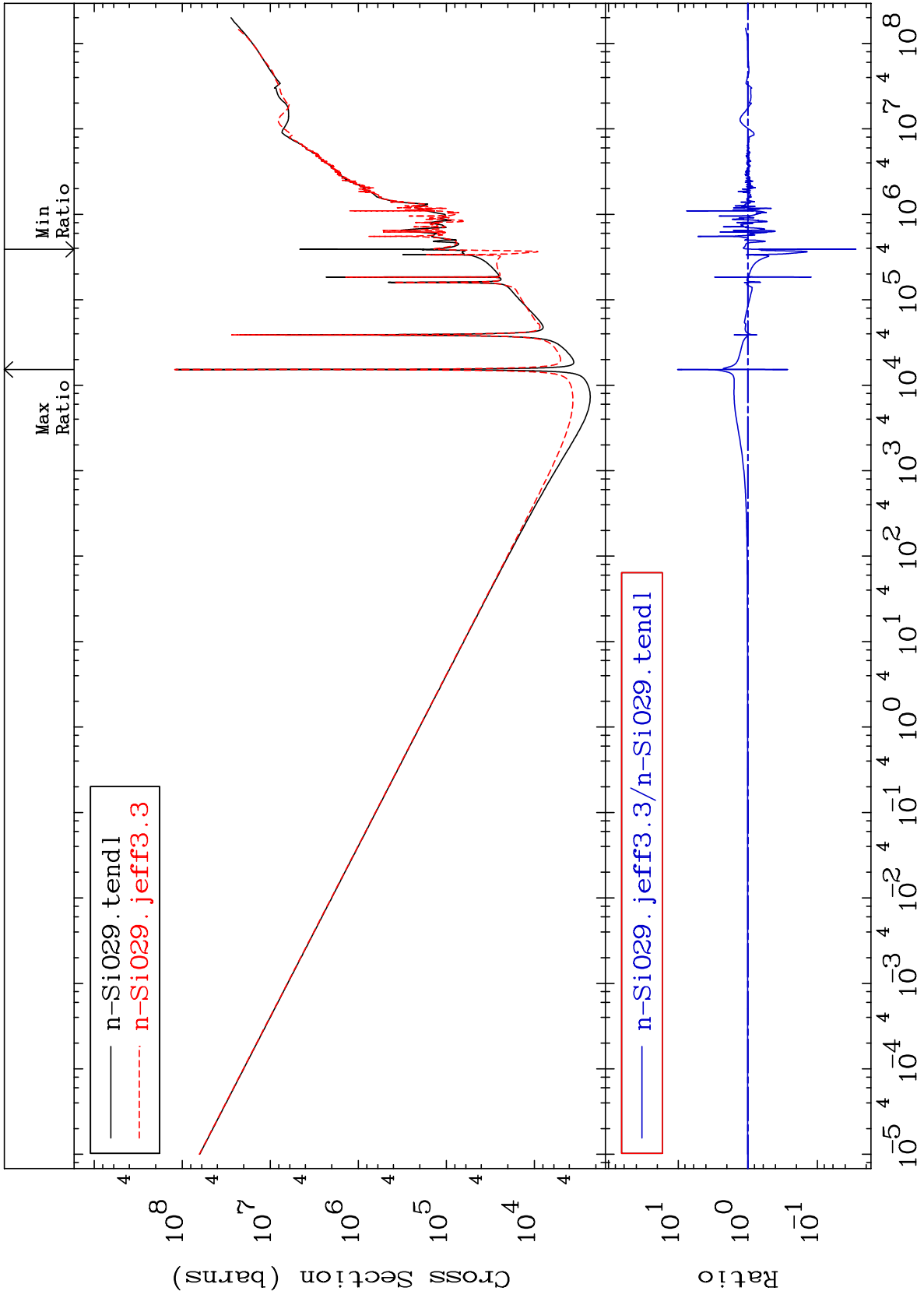
MAT 1428

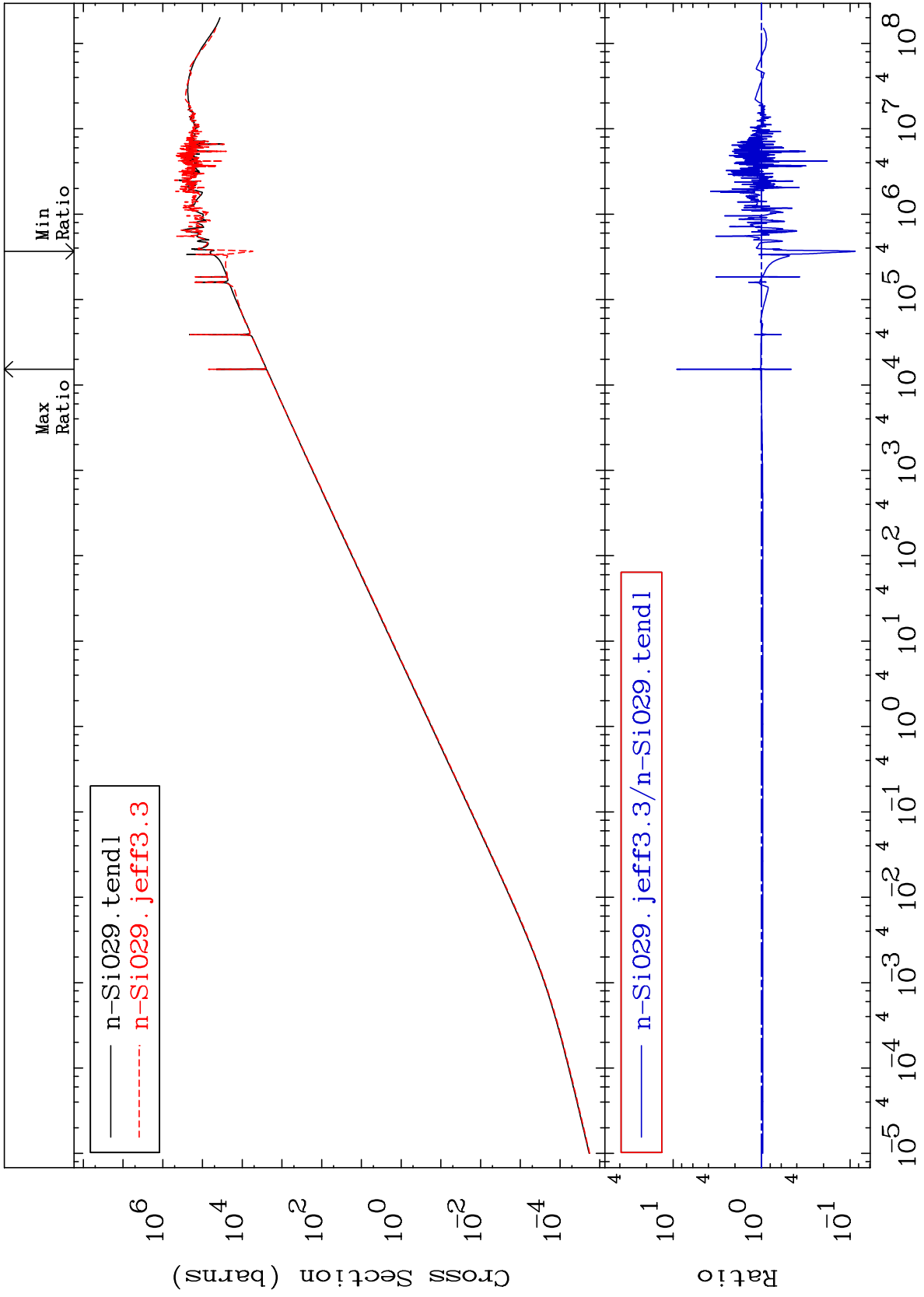
Tritium Production
Cross Section

$^{14}\text{Si-29}$
-58.84 To -28.43%





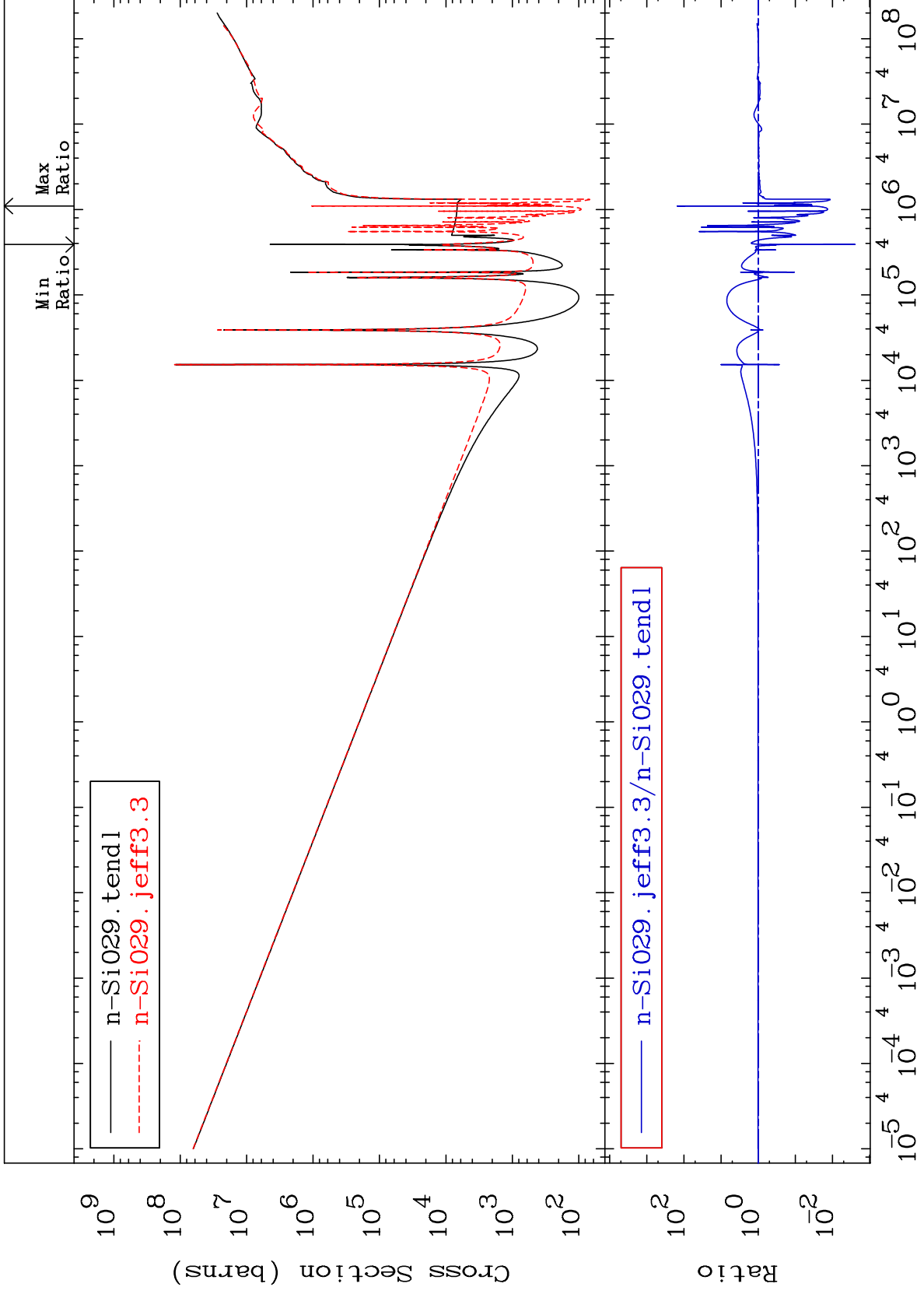


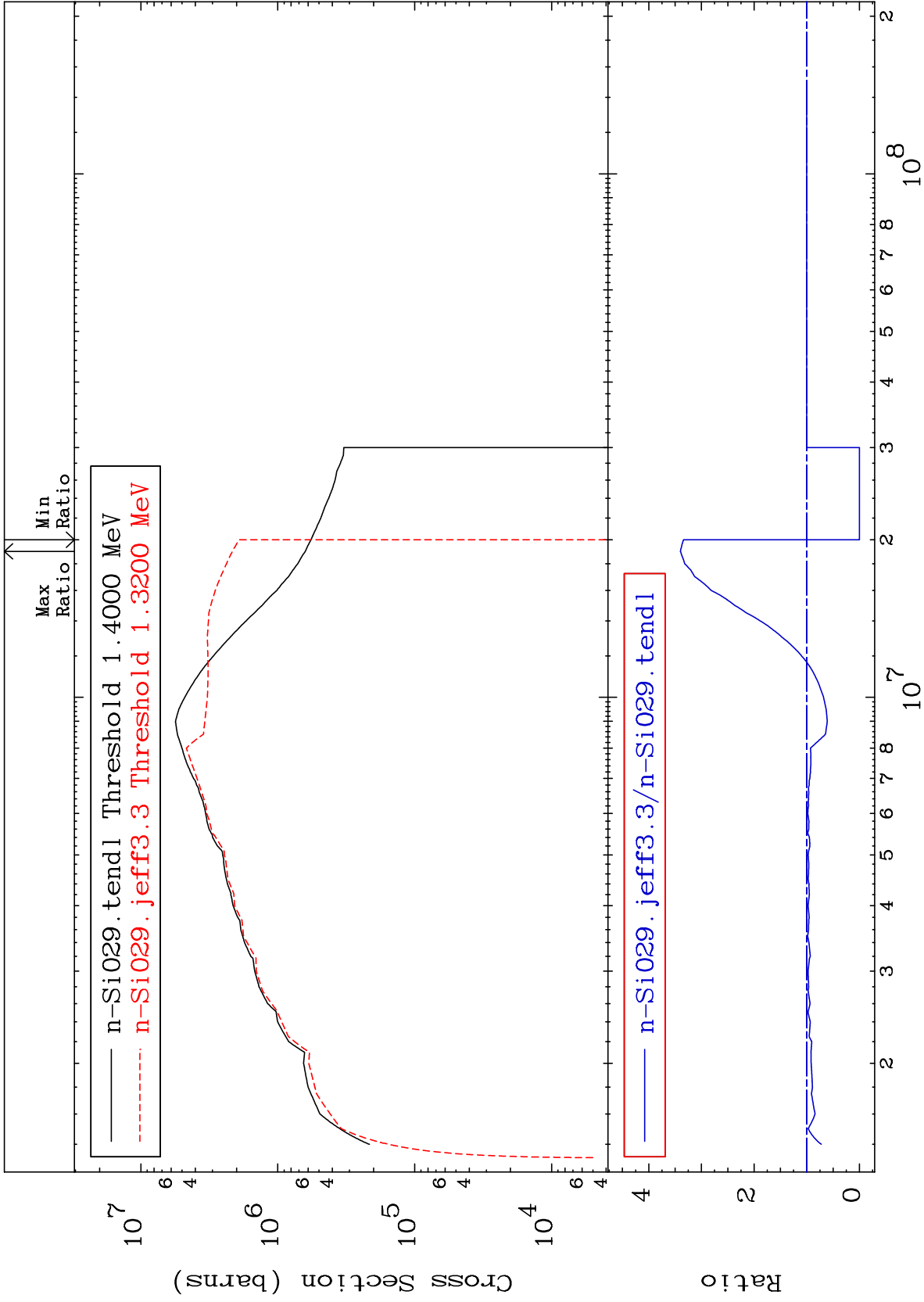


MAT 1428

Kerma non-elastic (all but mt2)
Cross Section

14-Si-29
-99.75 To 9999. %

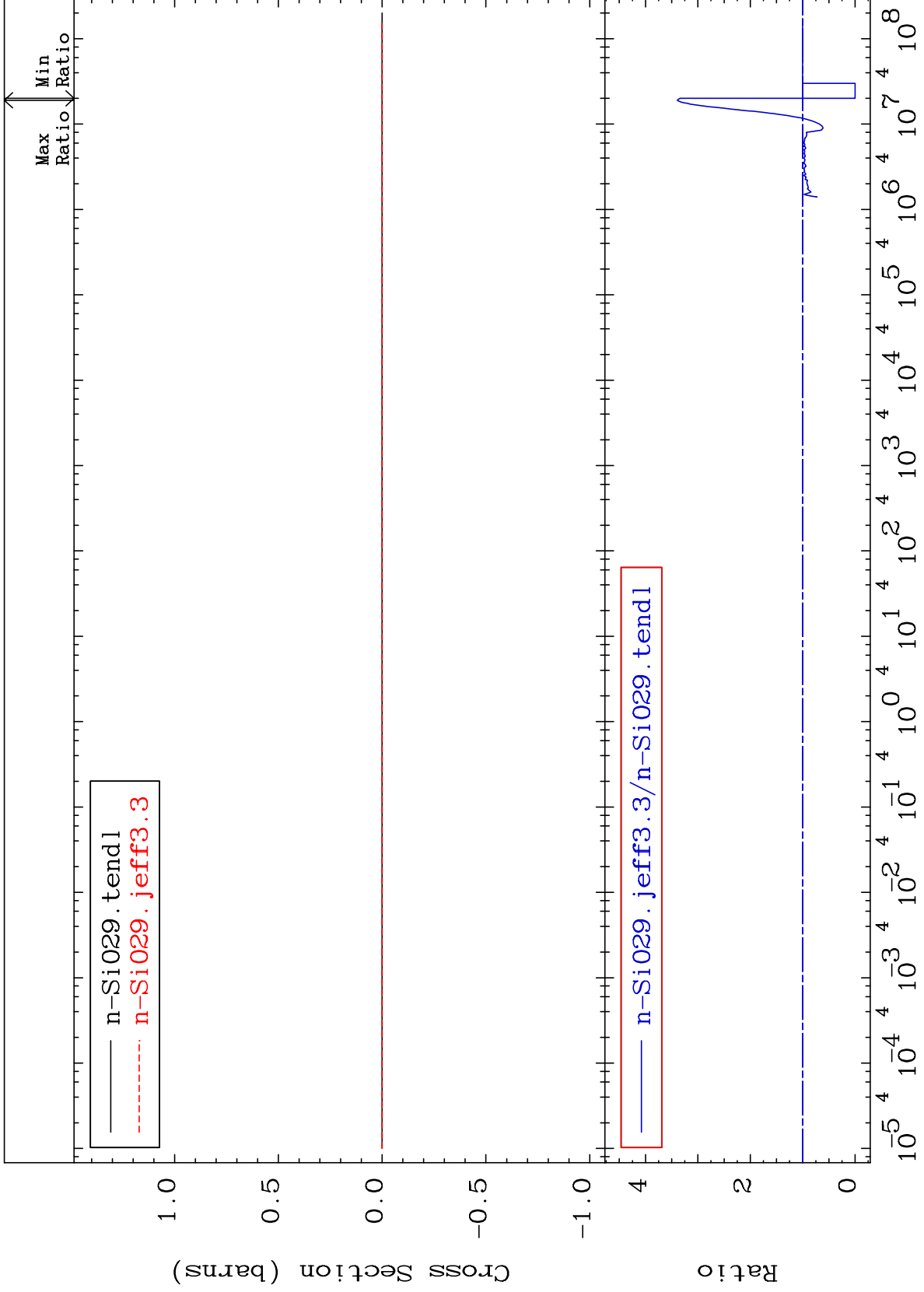




MAT 1428

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

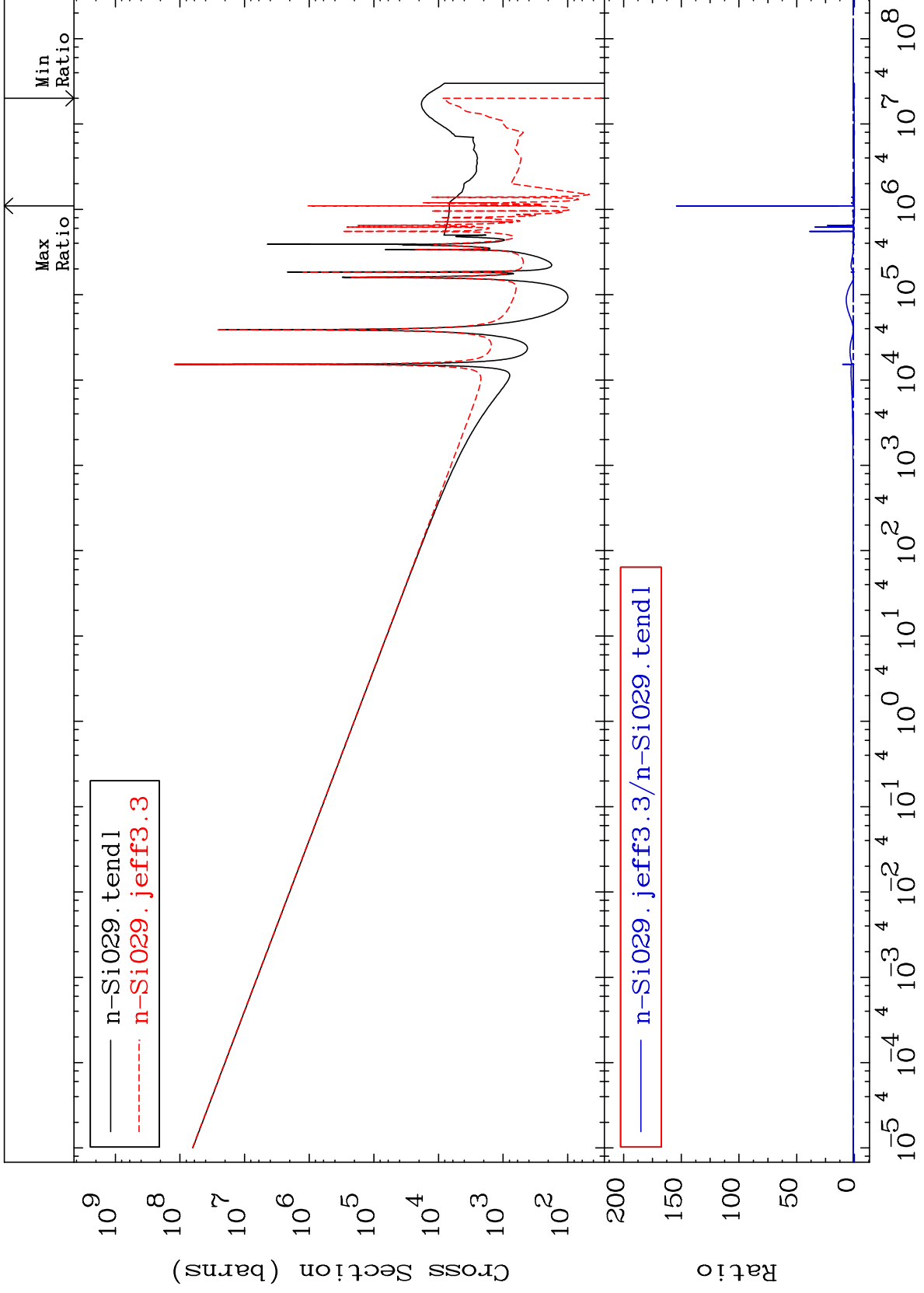
14-Si-29
-100.0 To 240.0 %



MAT 1428

Kerma capture (mt102)
Cross Section

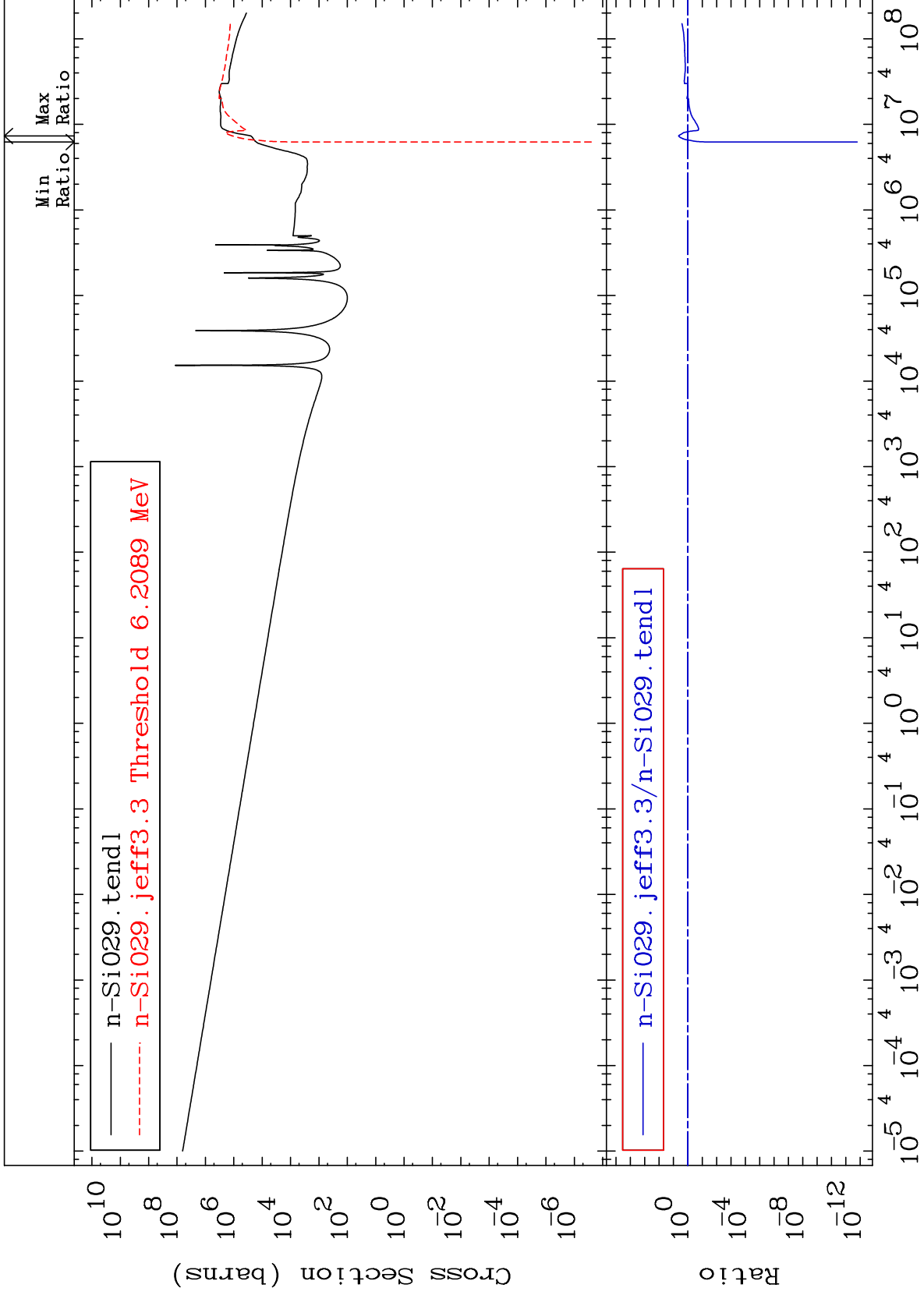
14-Si-29
-100.0 To 9999. %



35

Incident Energy (eV)

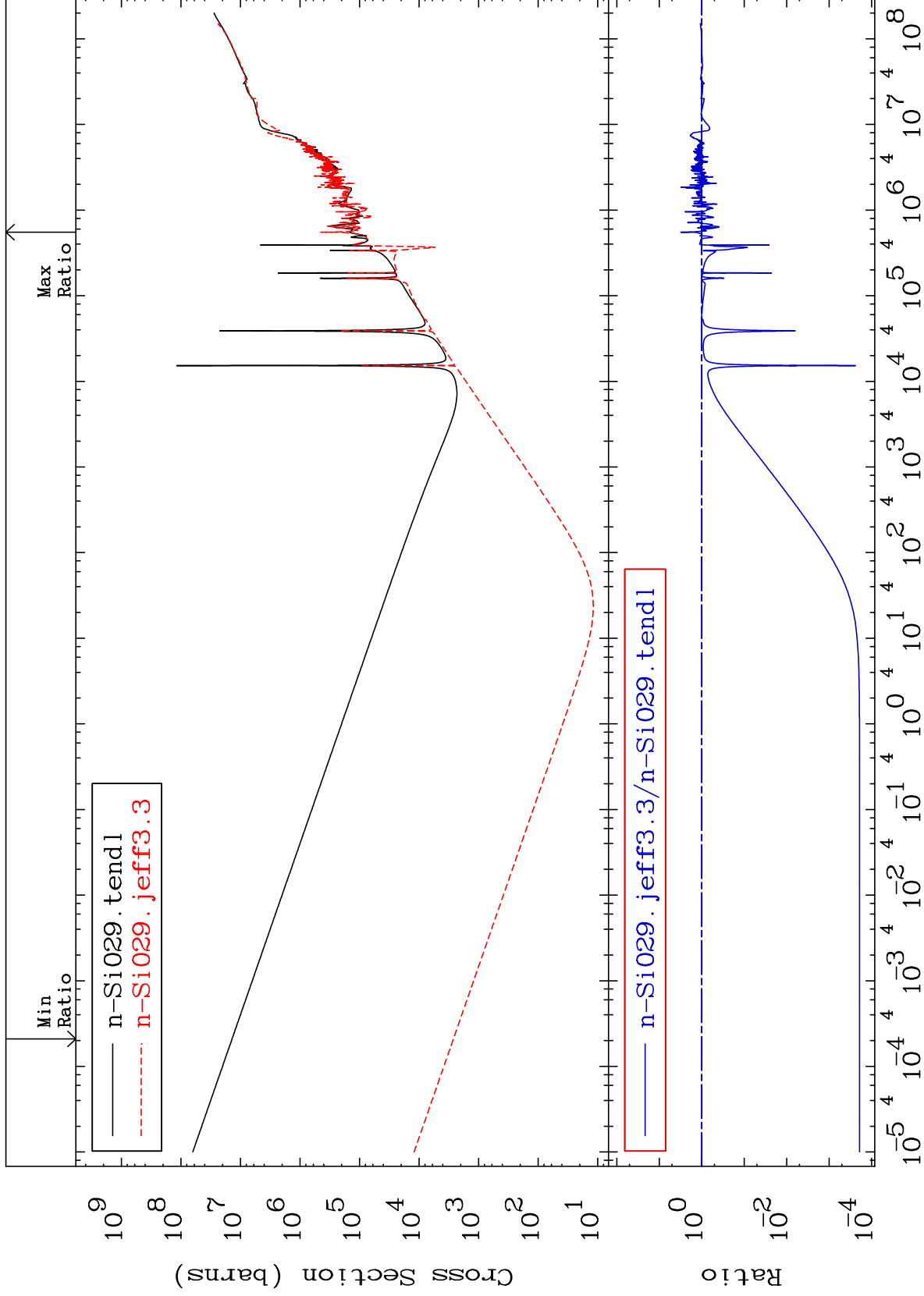
14-Si-29



MAT 1428

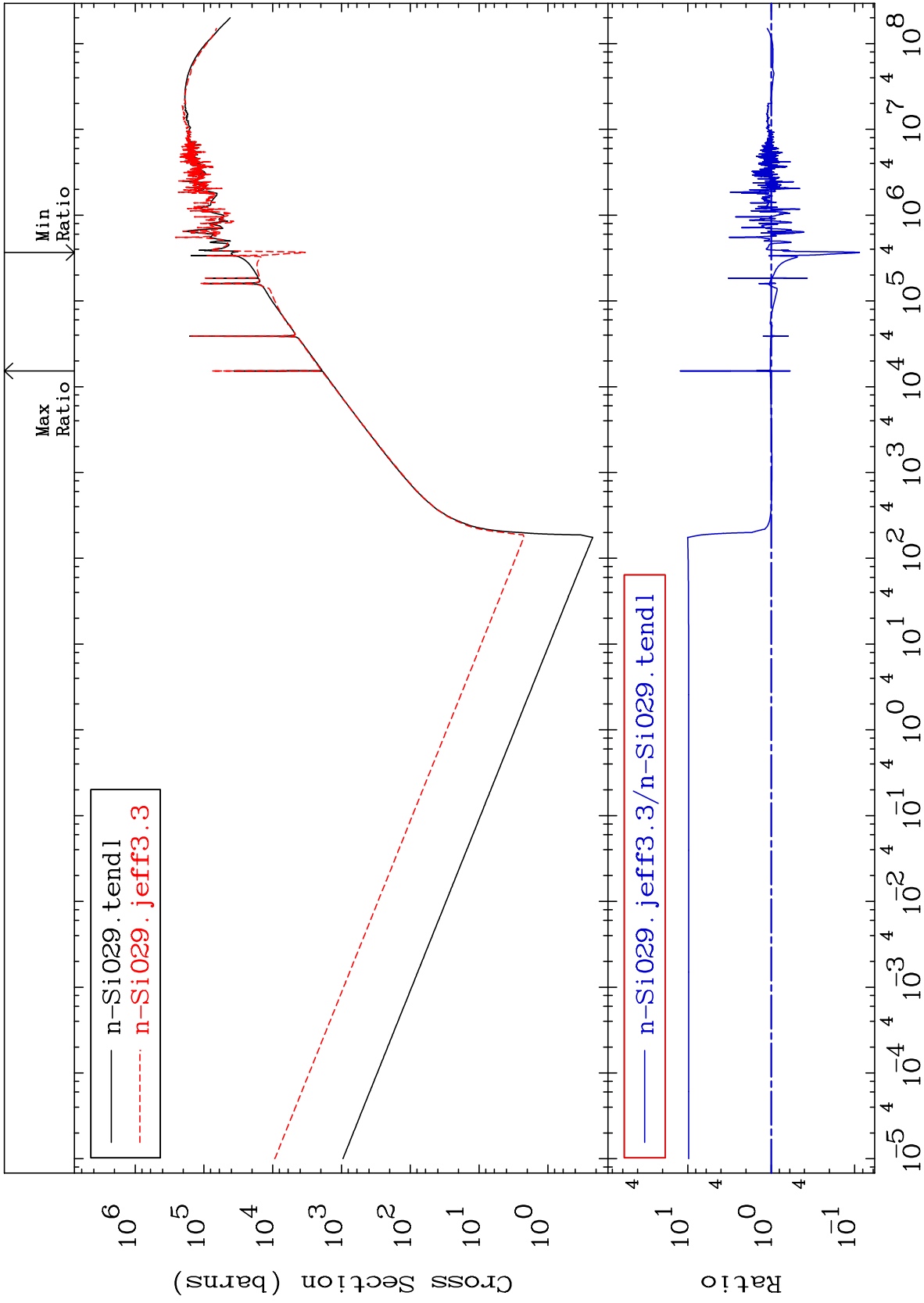
Total kinematic kerma (high limit)
Cross Section

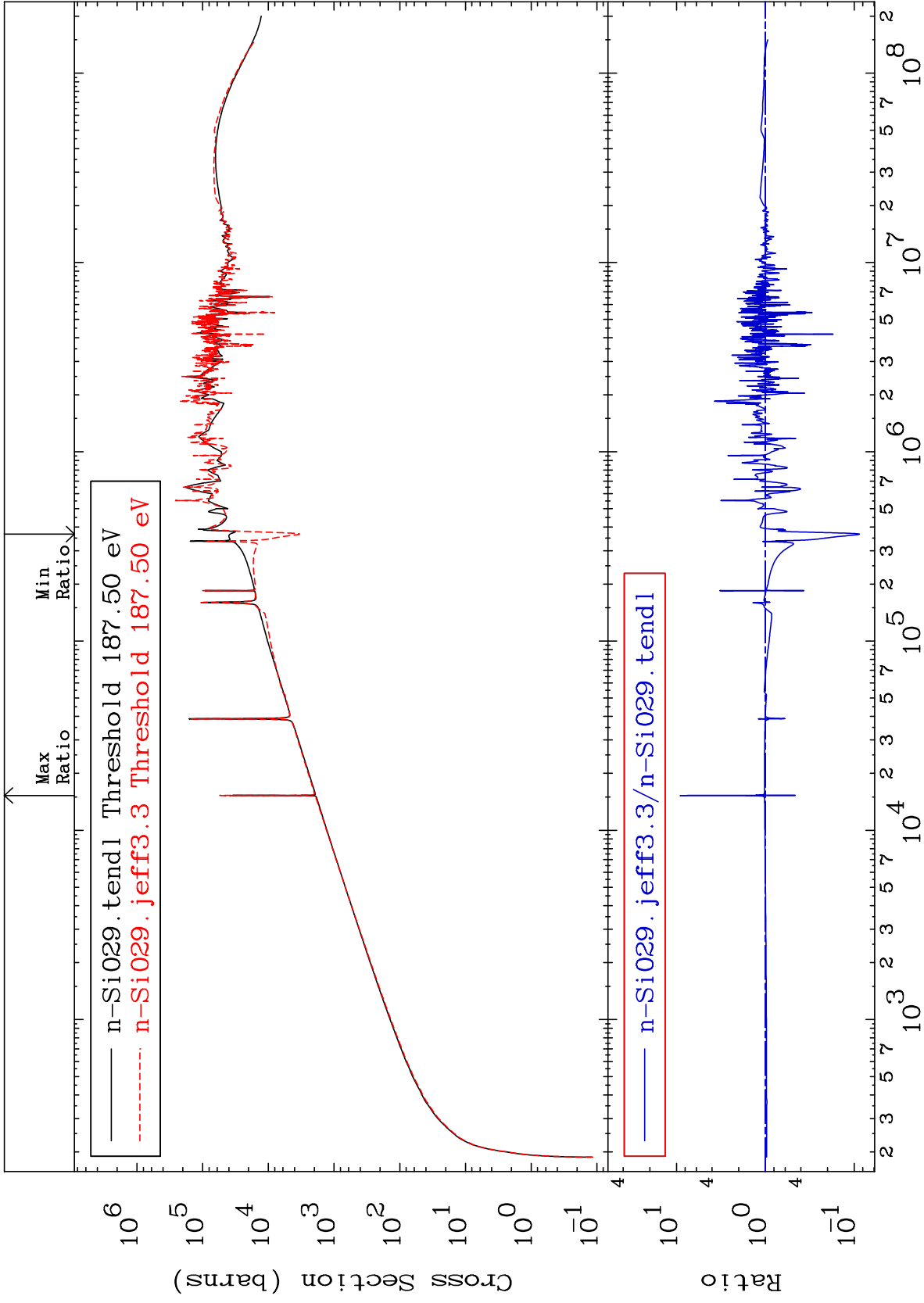
14-Si-29
-99.98 To 211.1 %

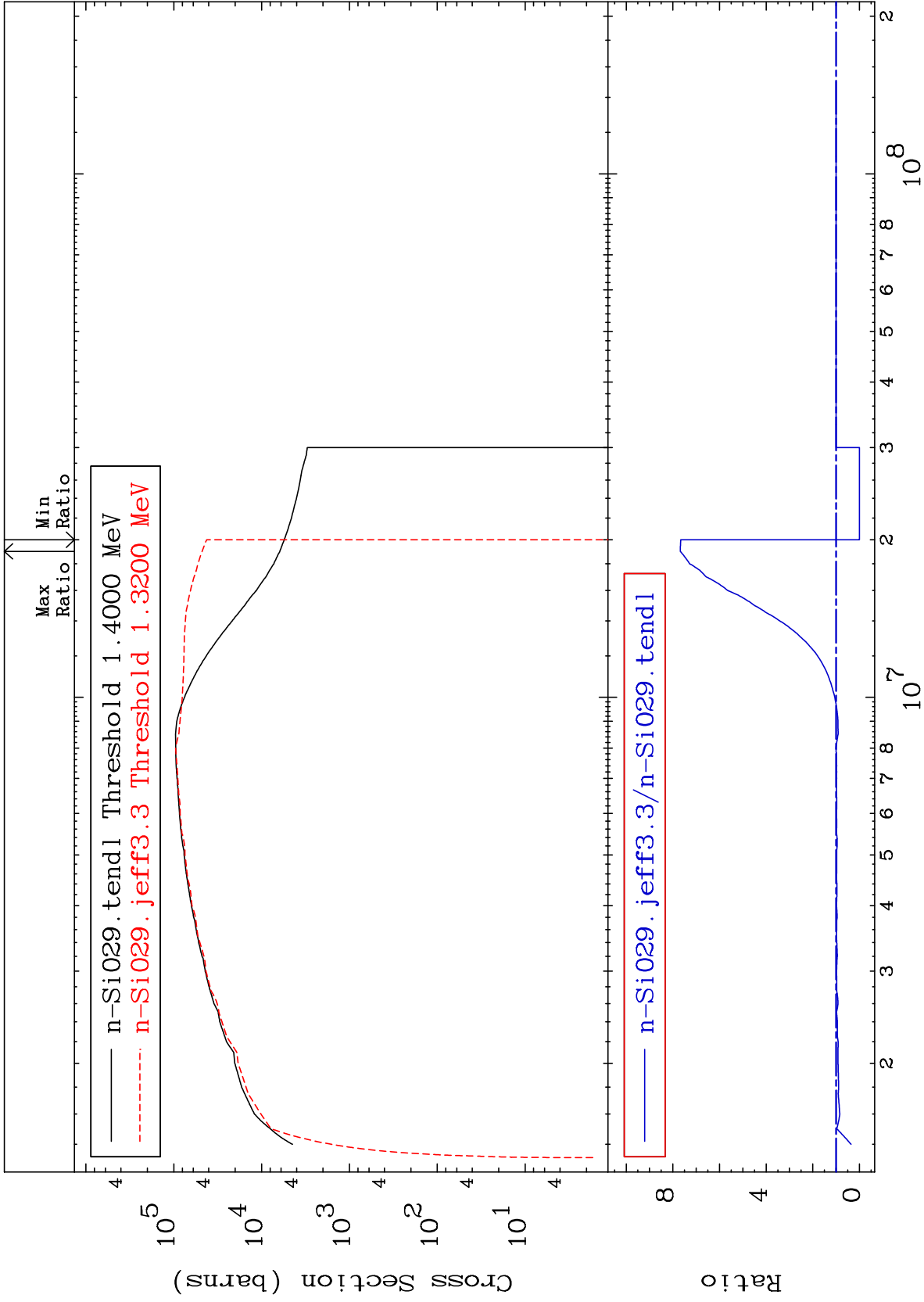


n-Si029.tendl
n-Si029.jeff3.3

n-Si029.jeff3.3/n-Si029.tendl



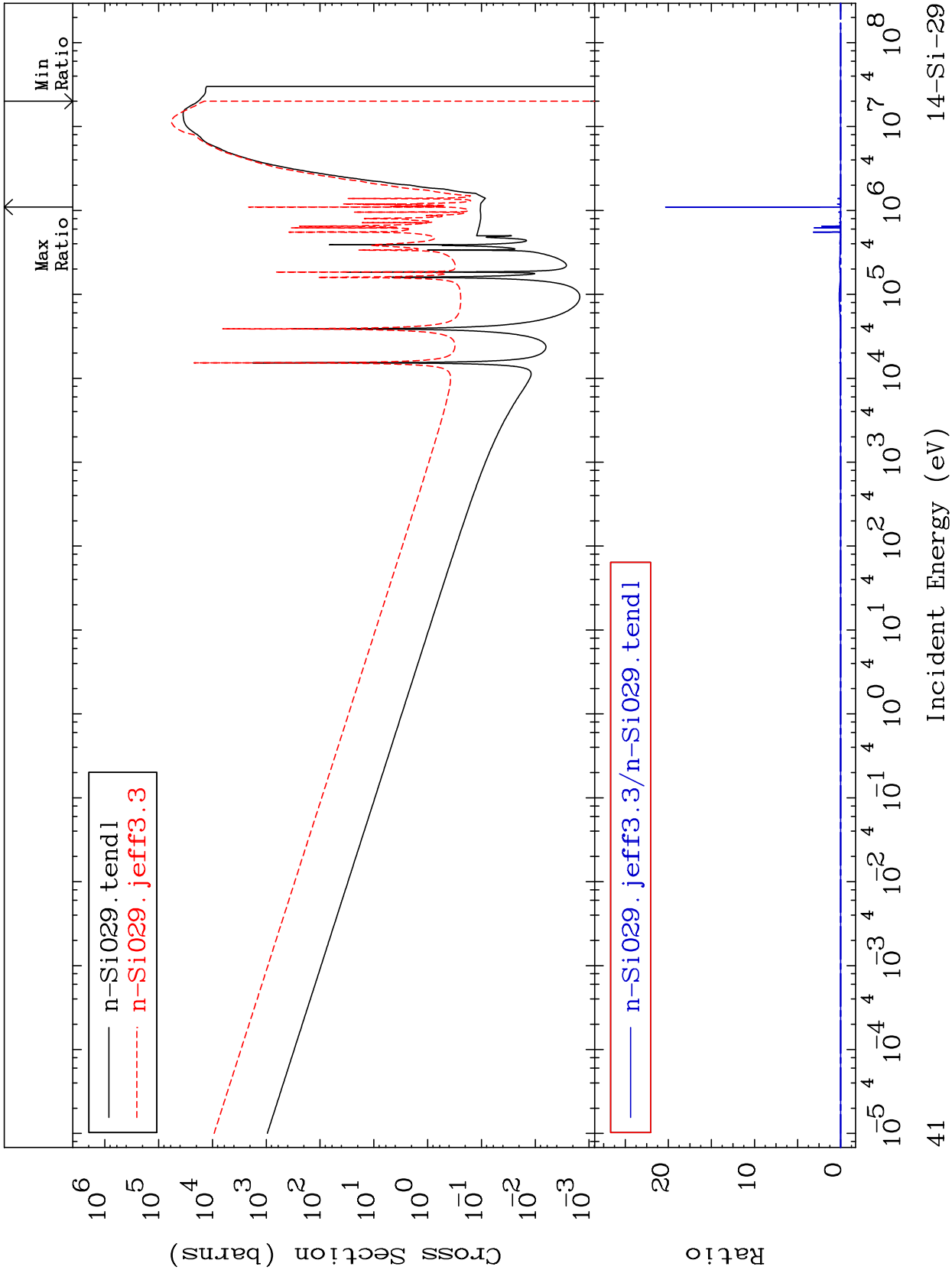




MAT 1428

Dpa disappearance (mt102 -120)
Cross Section

14-Si-29
-100.0 To 9999. %



41

Incident Energy (eV)

14-Si-29