

Program EVALPLOT  
(Version 2017-1)

by

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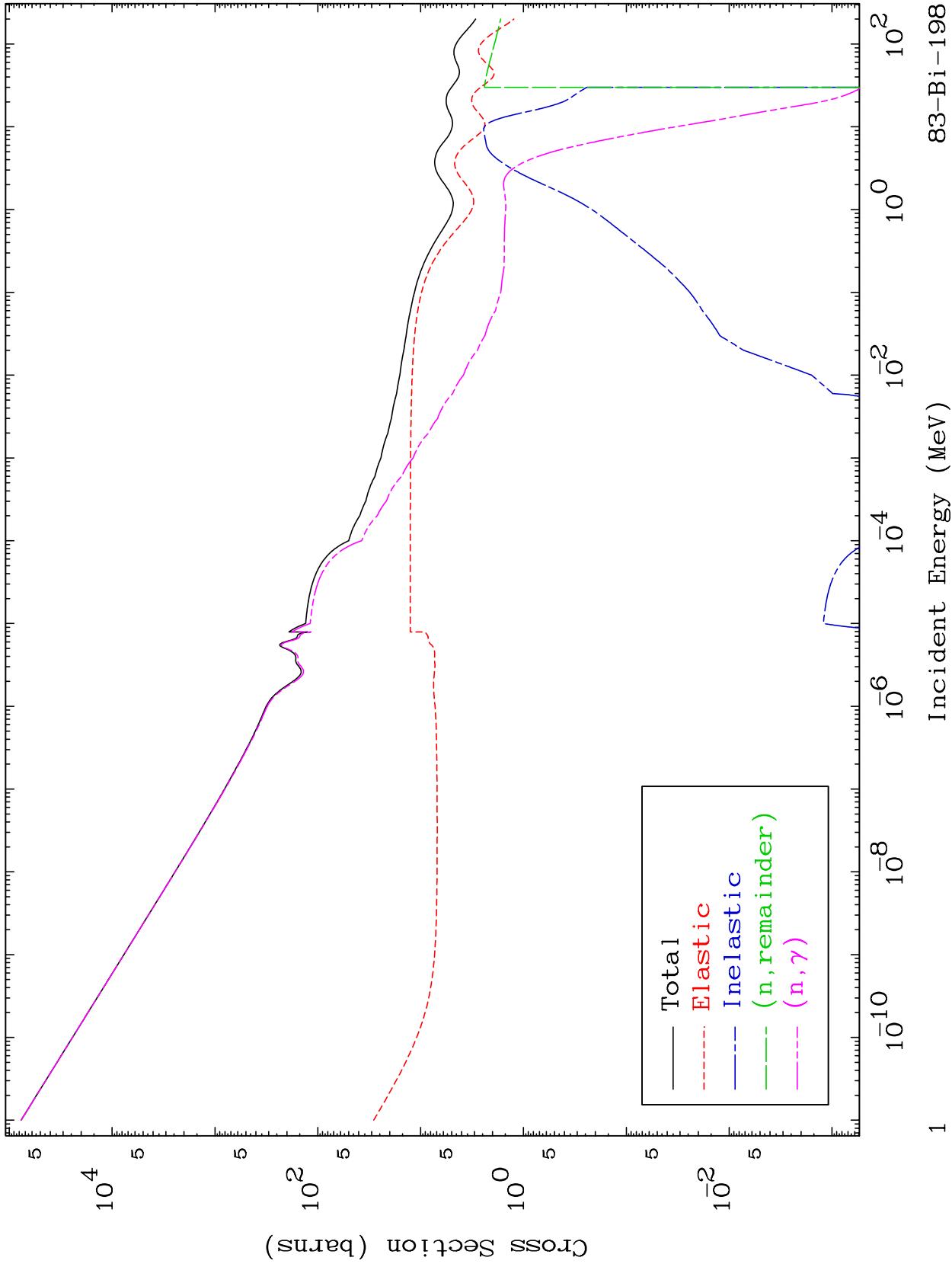
Press Mouse Button to Start

MAT 8294

Major

293 Kelvin Cross Sections

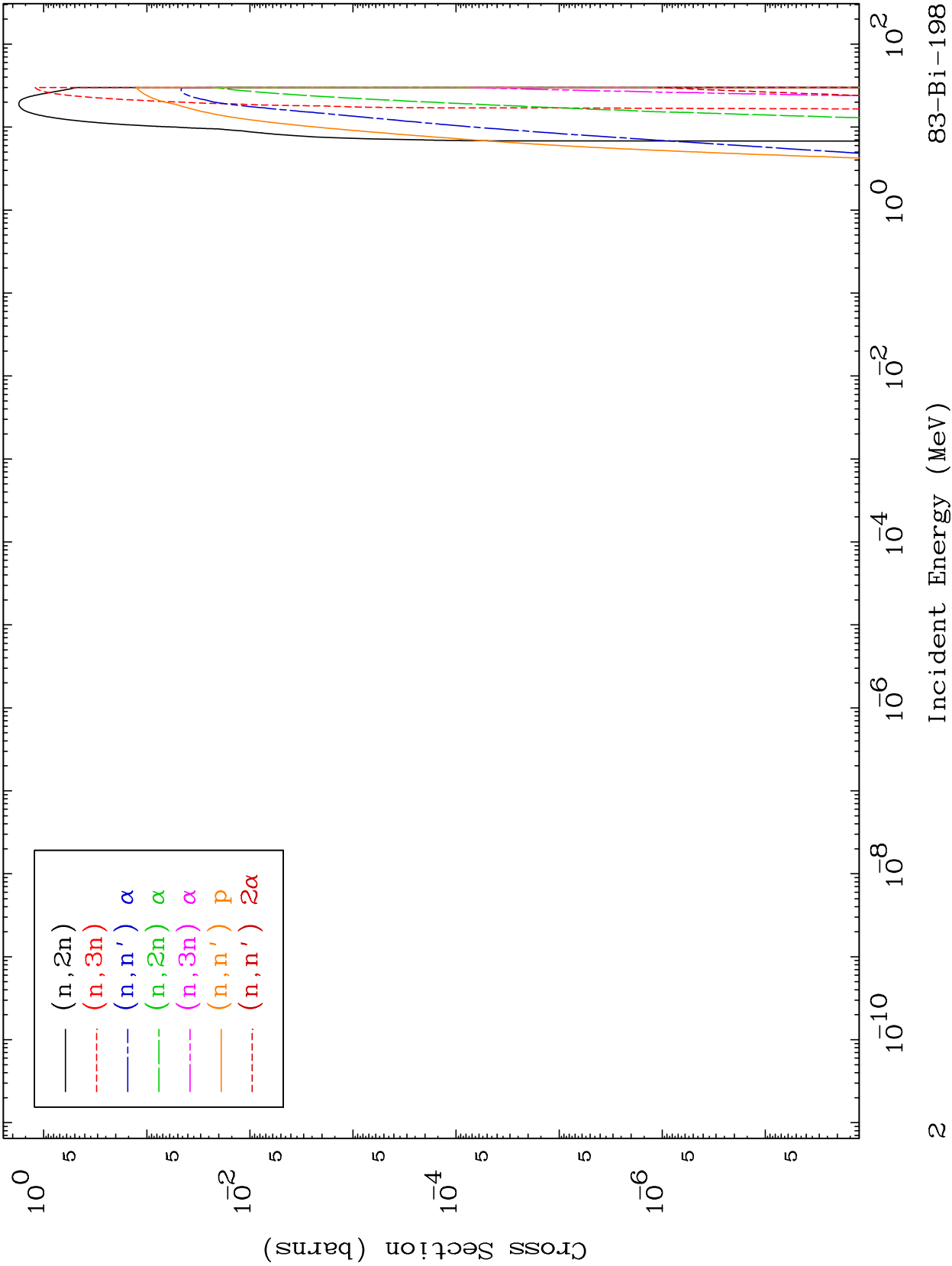
83-Bi-198



MAT 8294

Neutron Production  
293 Kelvin Cross Sections

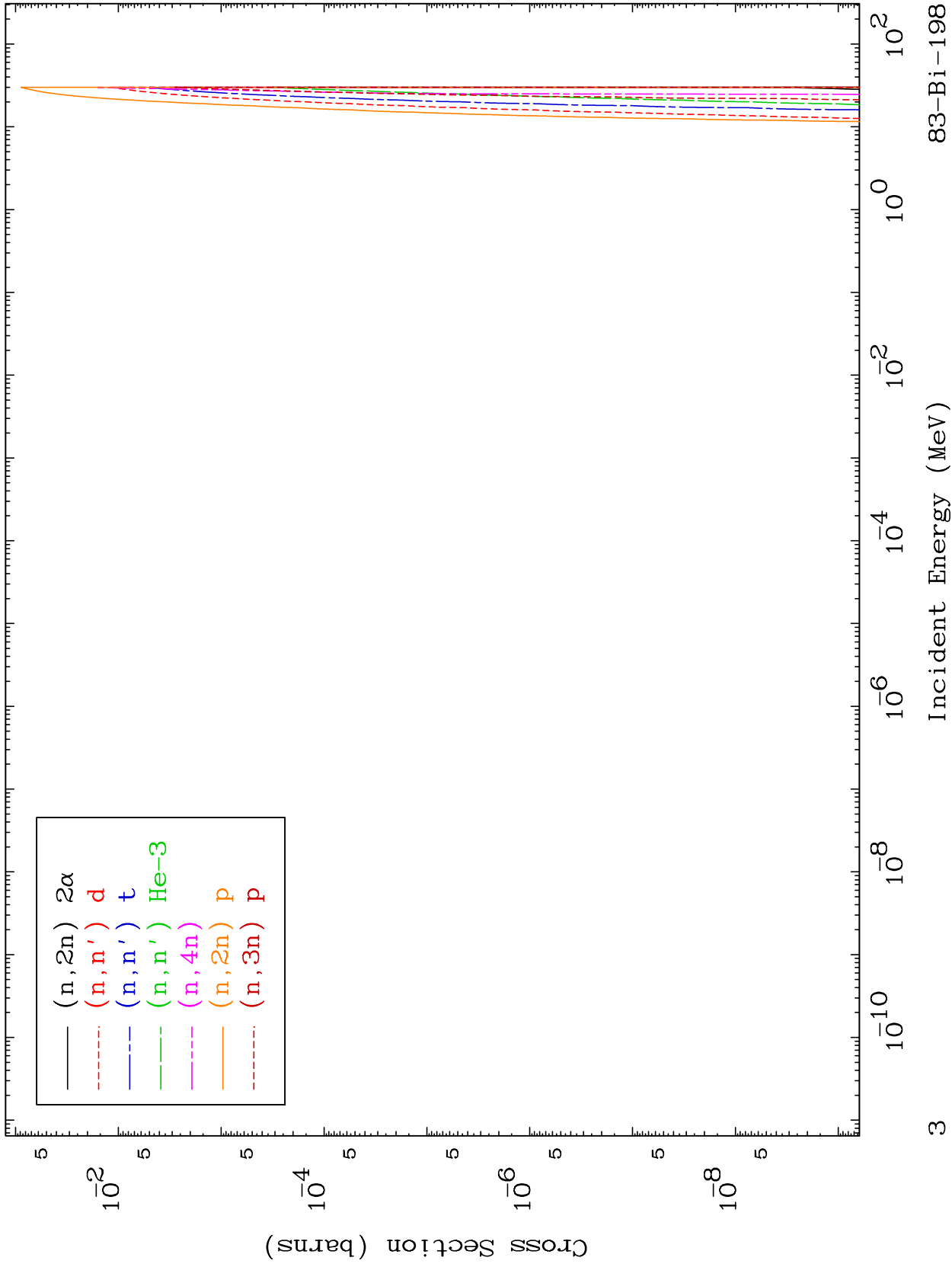
83-Bi-198



MAT 8294

Neutron Production  
293 Kelvin Cross Sections

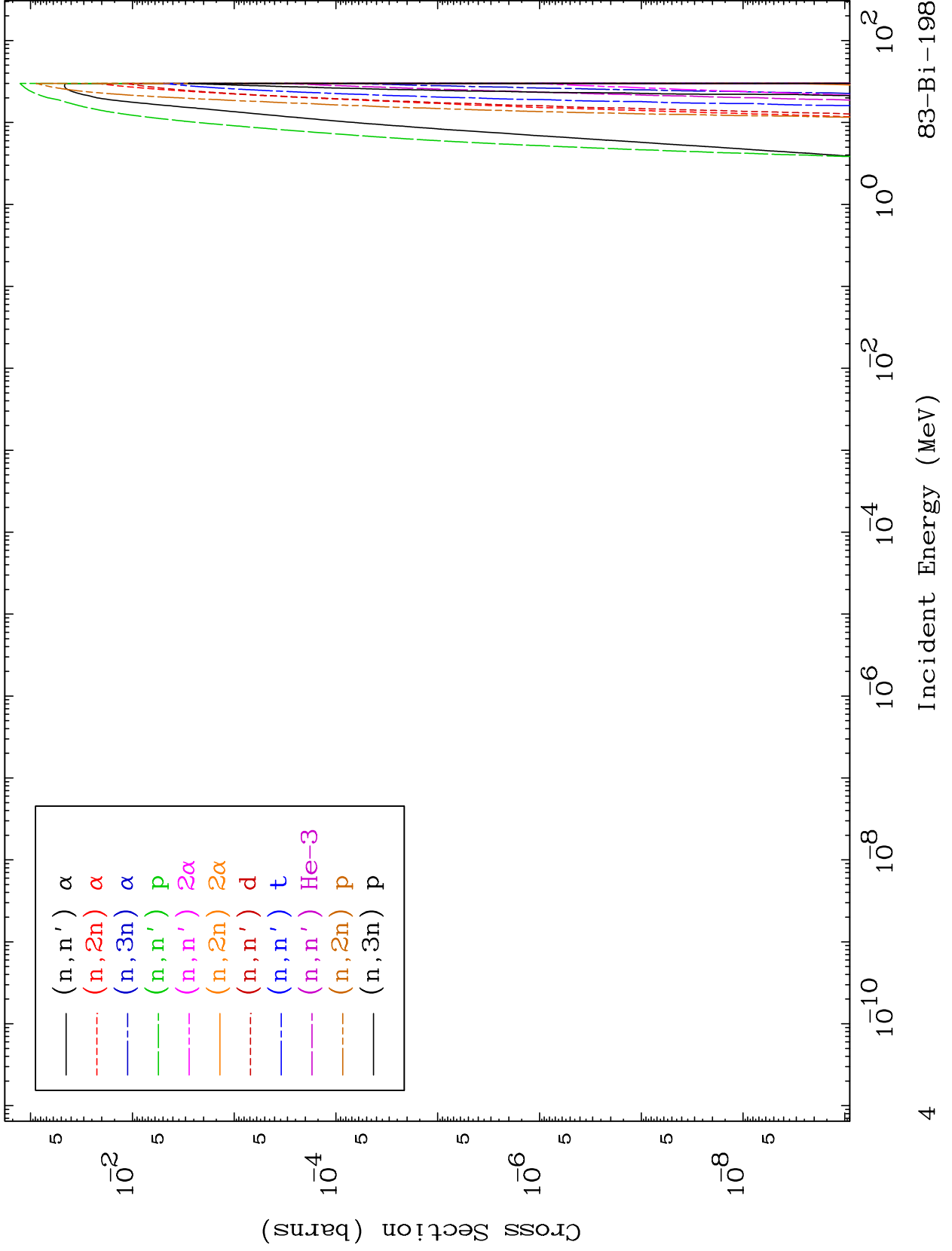
83-Bi-198



MAT 8294

Charged Particle  
293 Kelvin Cross Sections

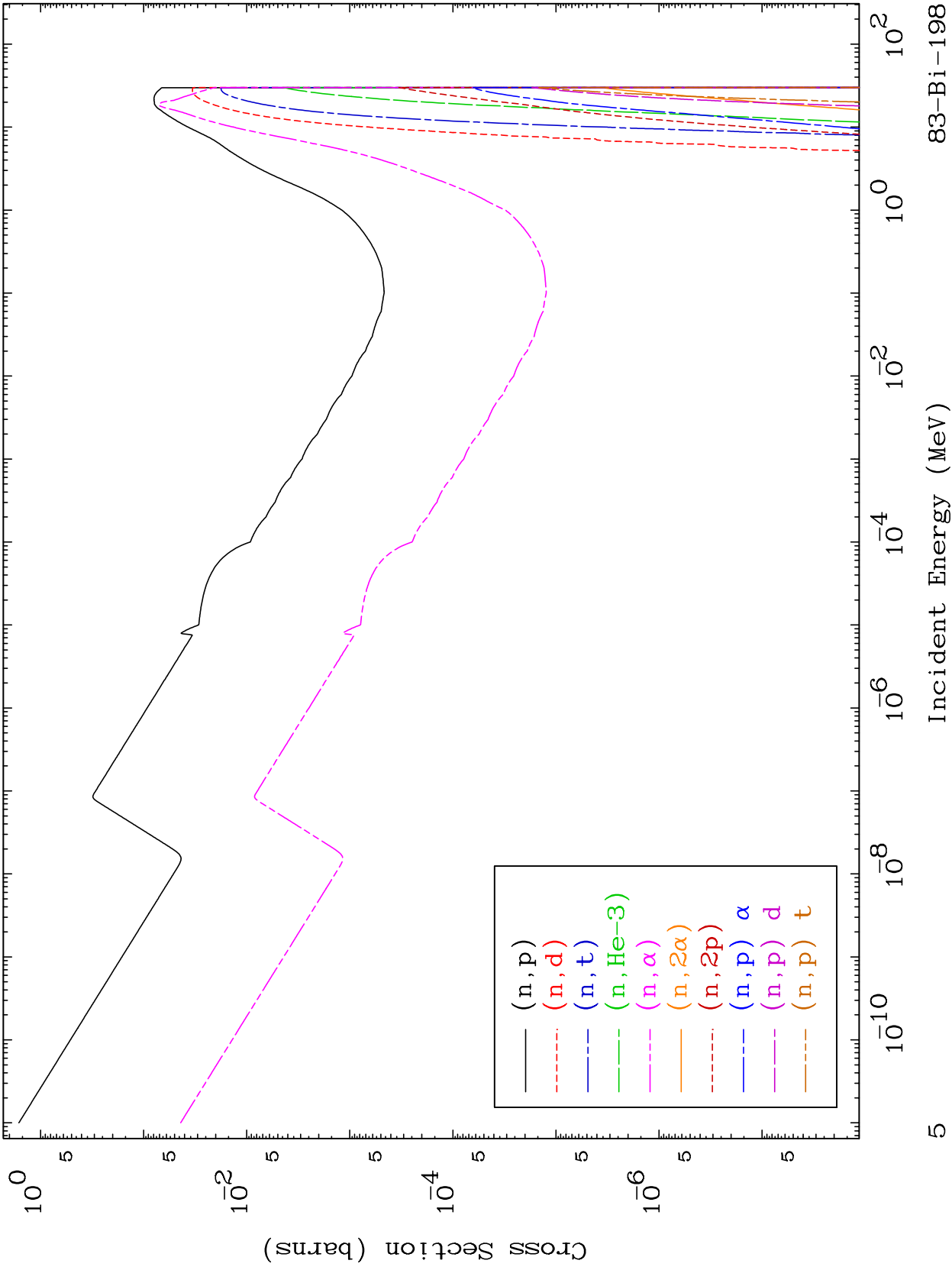
83-Bi-198

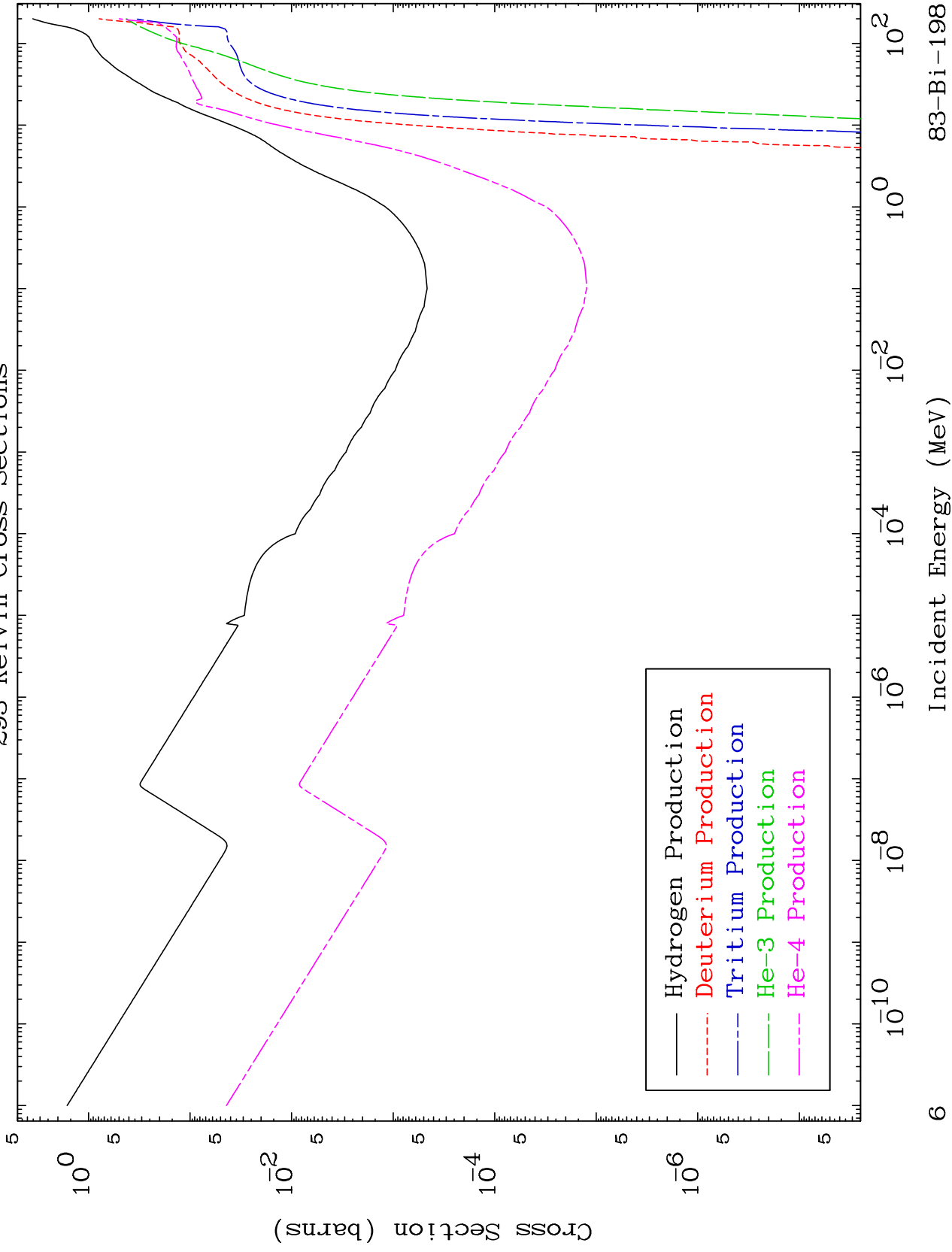


MAT 8294

Charged Particle  
293 Kelvin Cross Sections

83-Bi-198



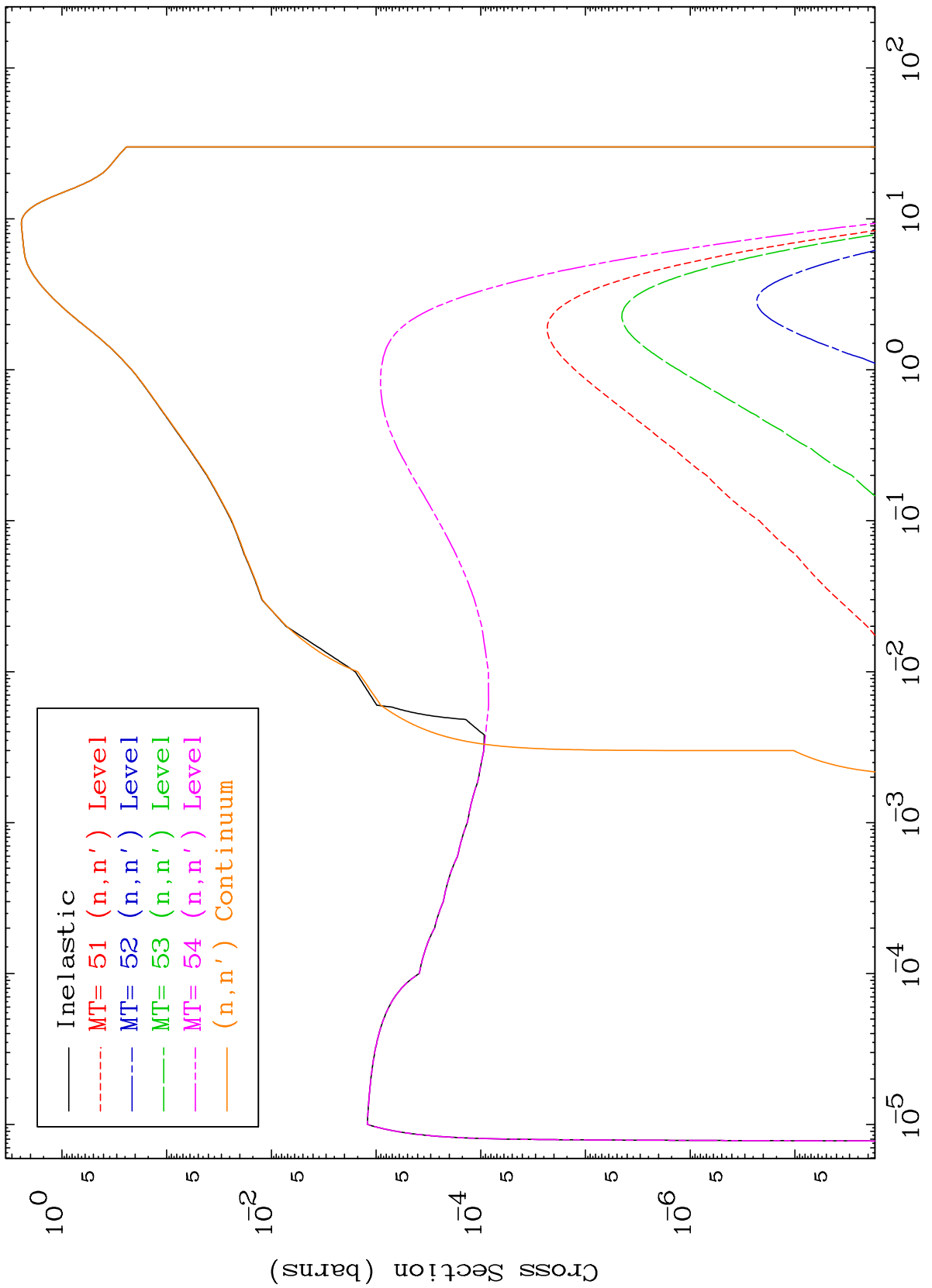


MAT 8294

(n,n') Level

83-Bi-198

293 Kelvin Cross Sections



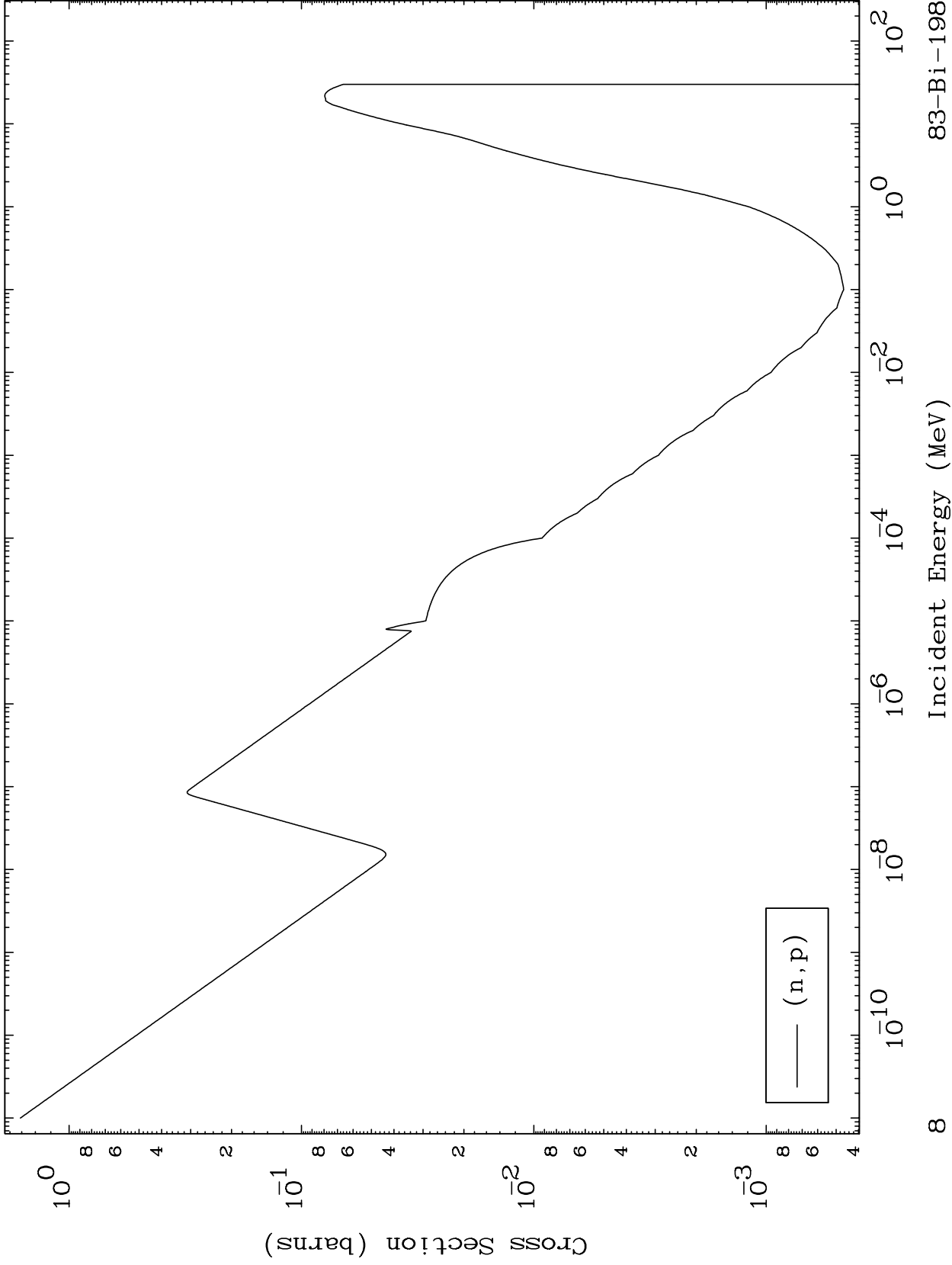
Incident Energy (MeV)

83-Bi-198

MAT 8294

(n,p) Levels  
293 Kelvin Cross Sections

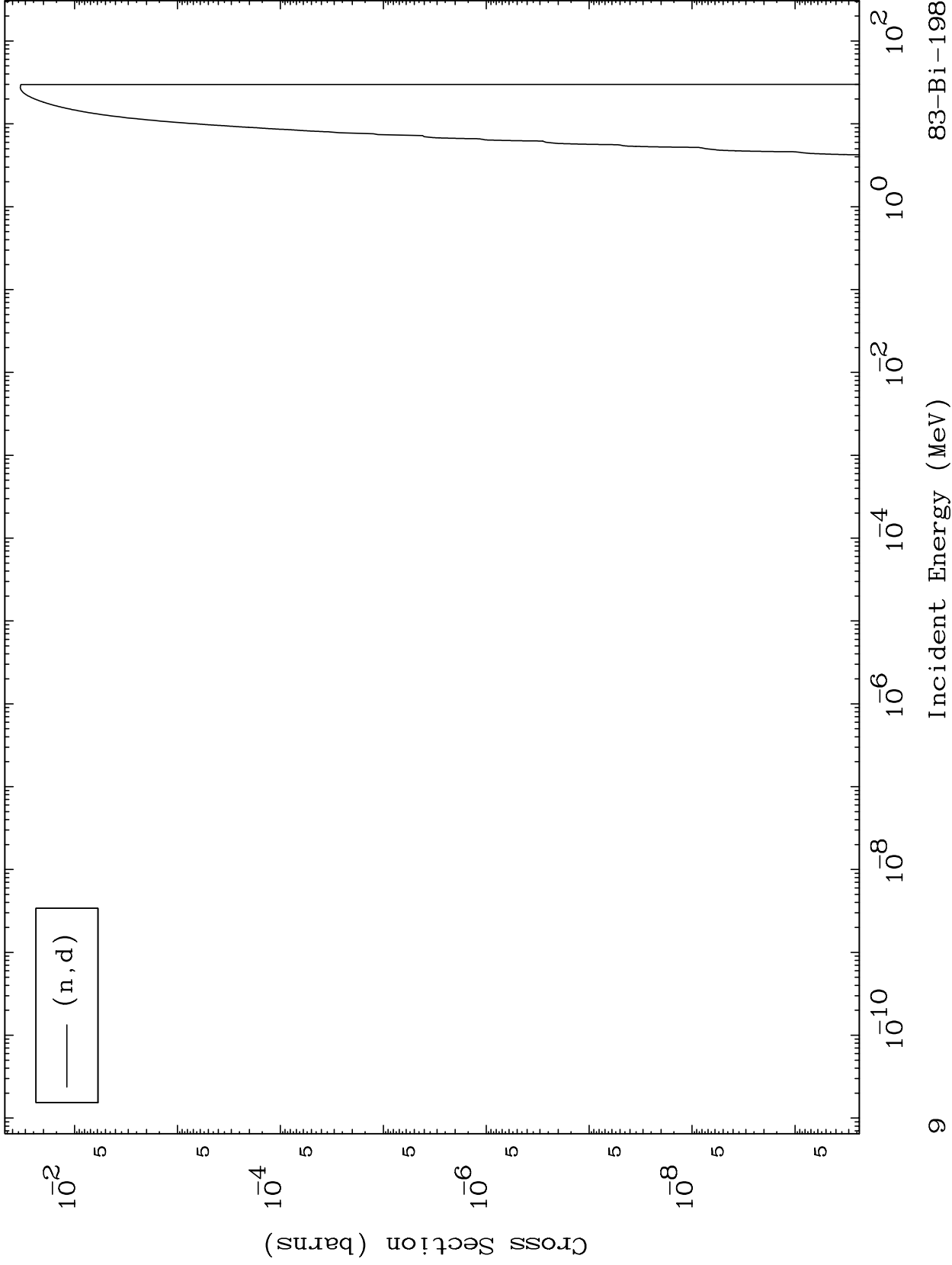
83-Bi-198



MAT 8294

(n,d) Levels  
293 Kelvin Cross Sections

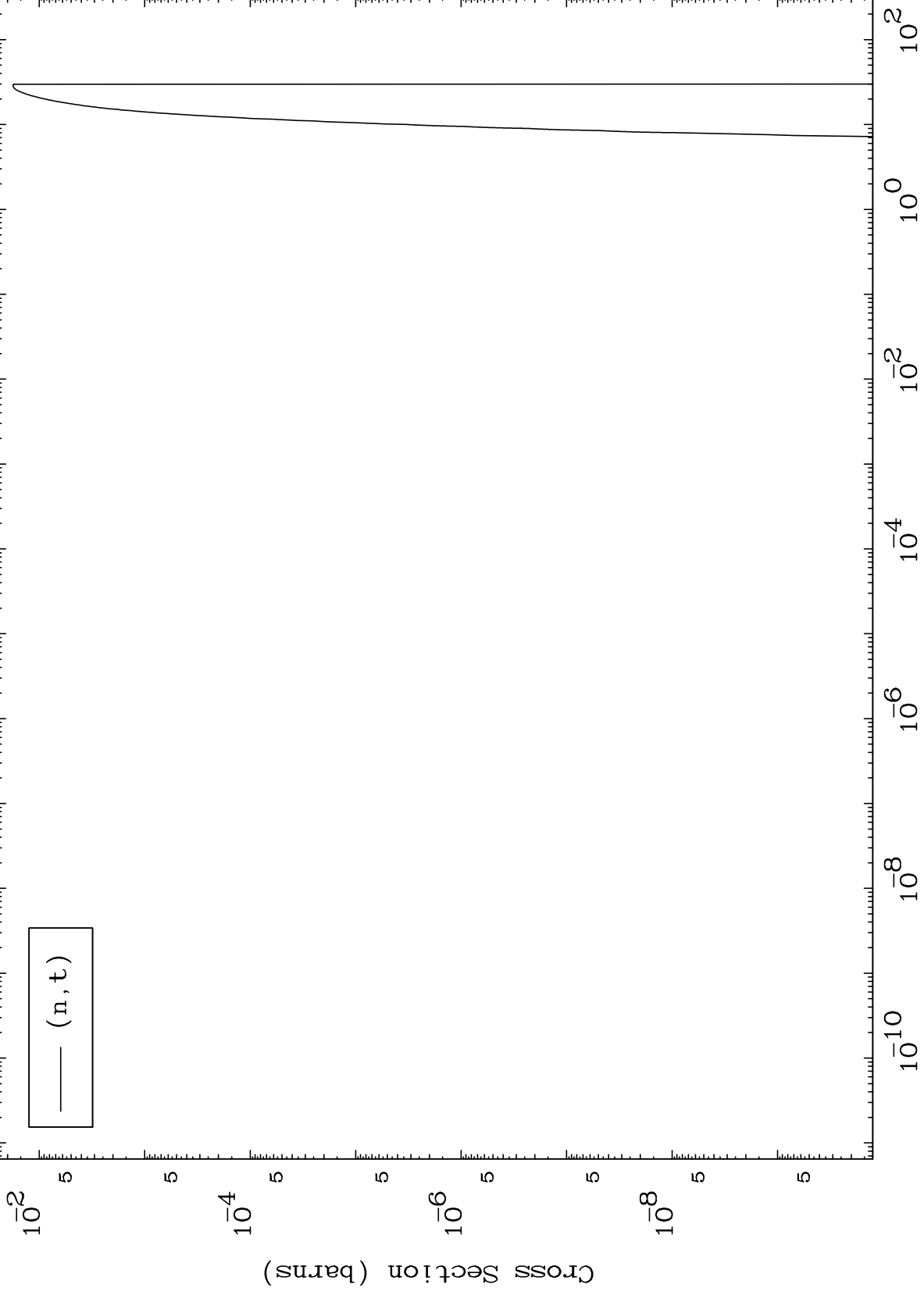
83-Bi-198



MAT 8294

(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-198



10

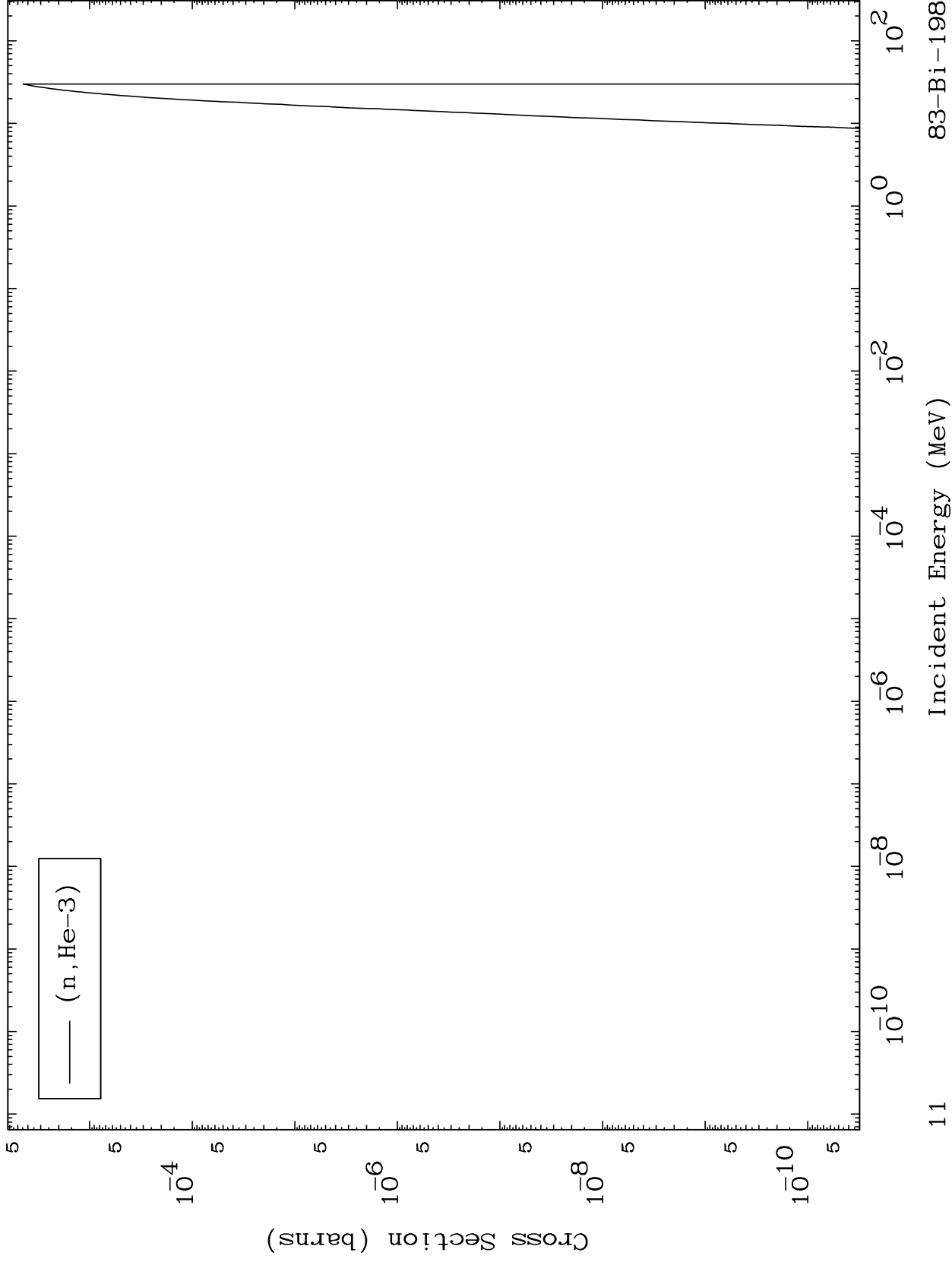
Incident Energy (MeV)

83-Bi-198

MAT 8294

(n,He3) Levels  
293 Kelvin Cross Sections

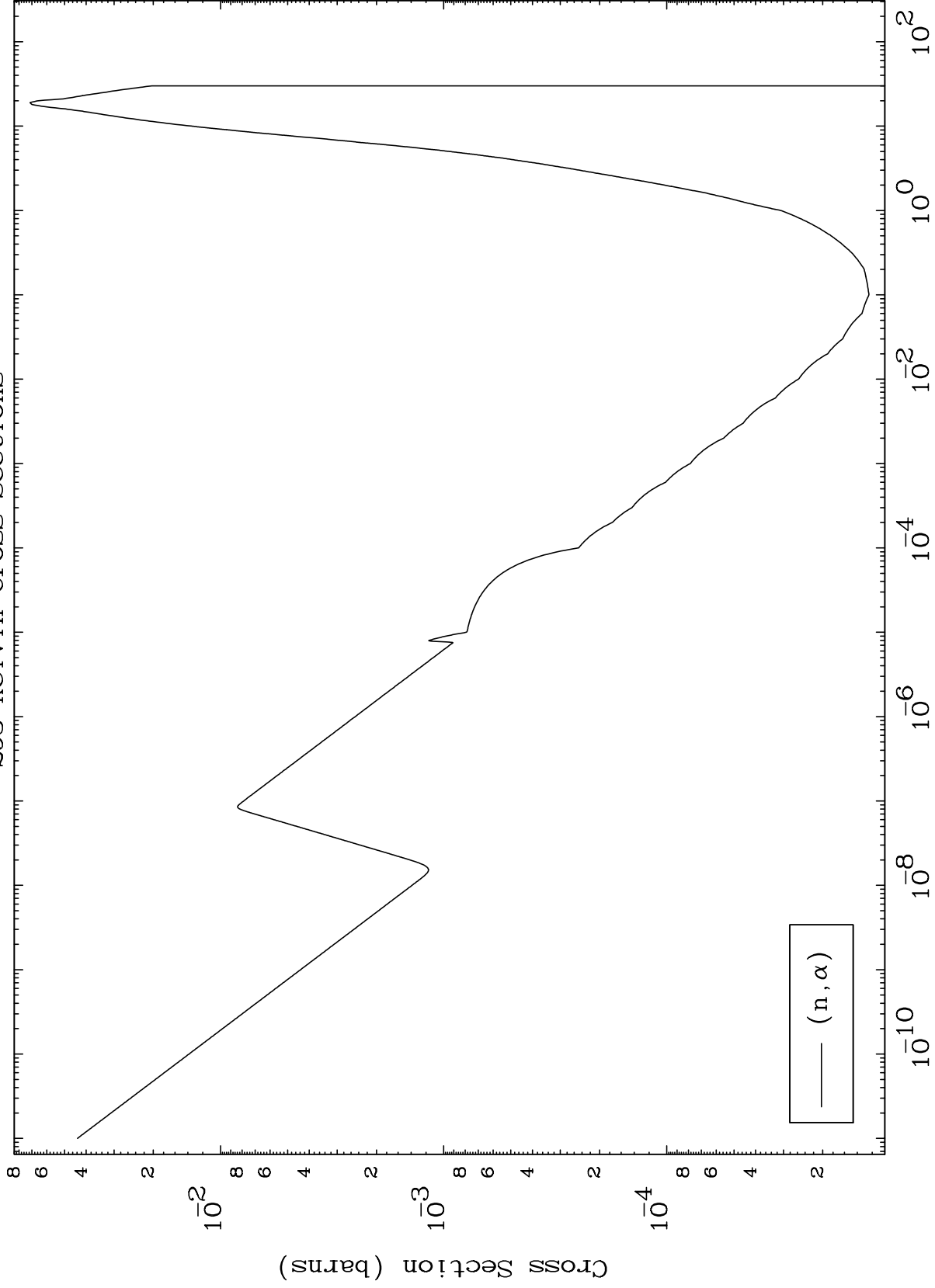
83-Bi-198



MAT 8294

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

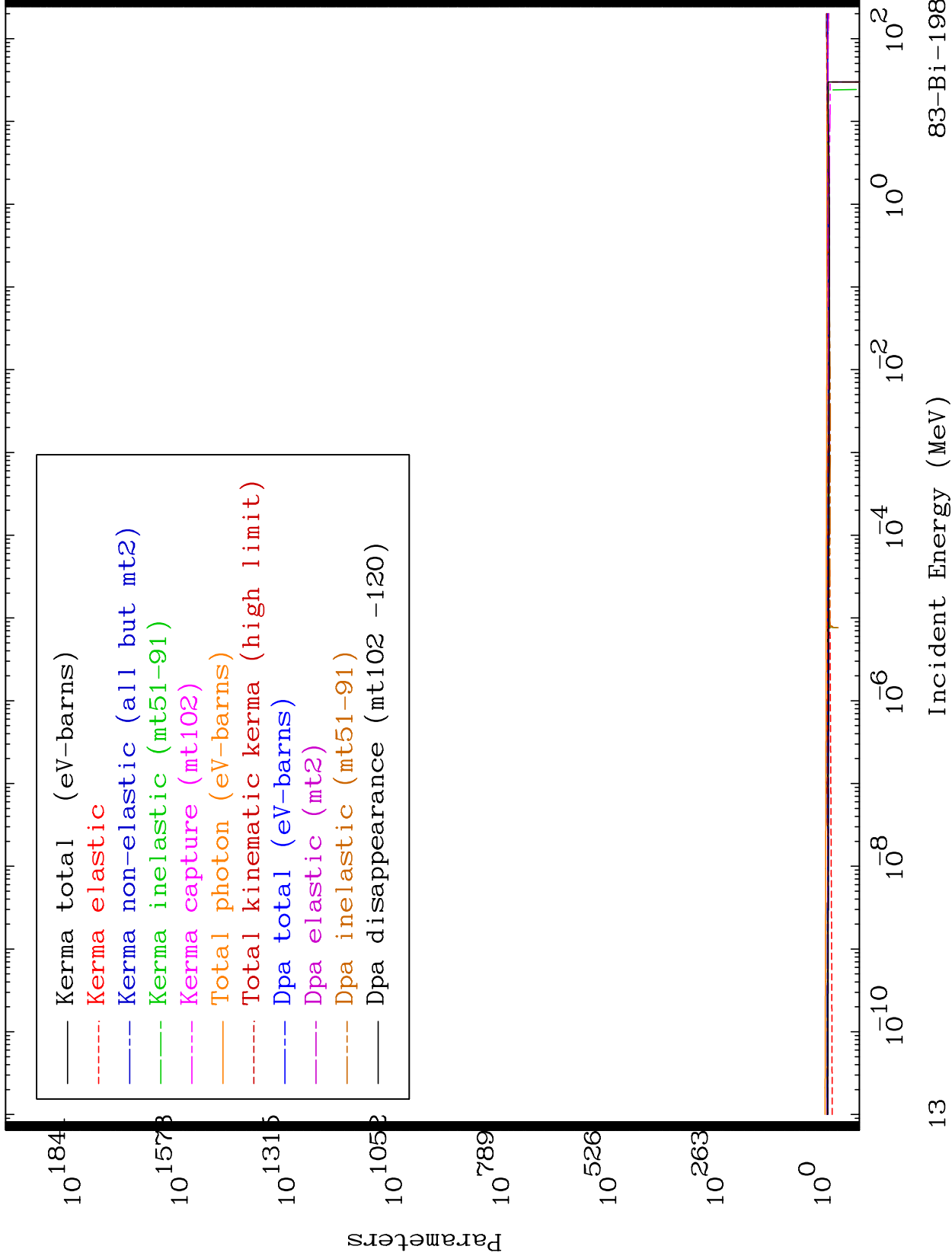
83-Bi-198

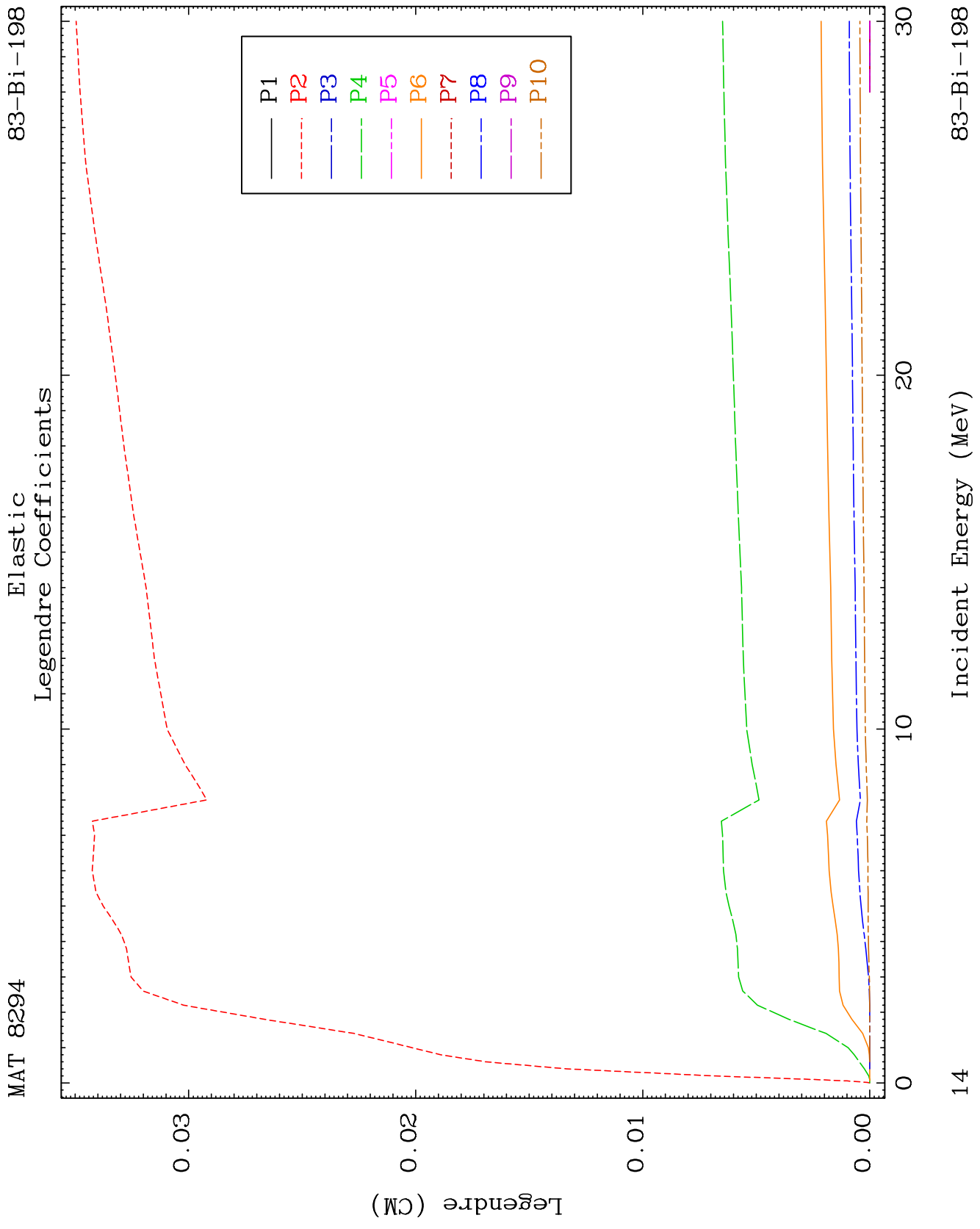


12

Incident Energy (MeV)

83-Bi-198

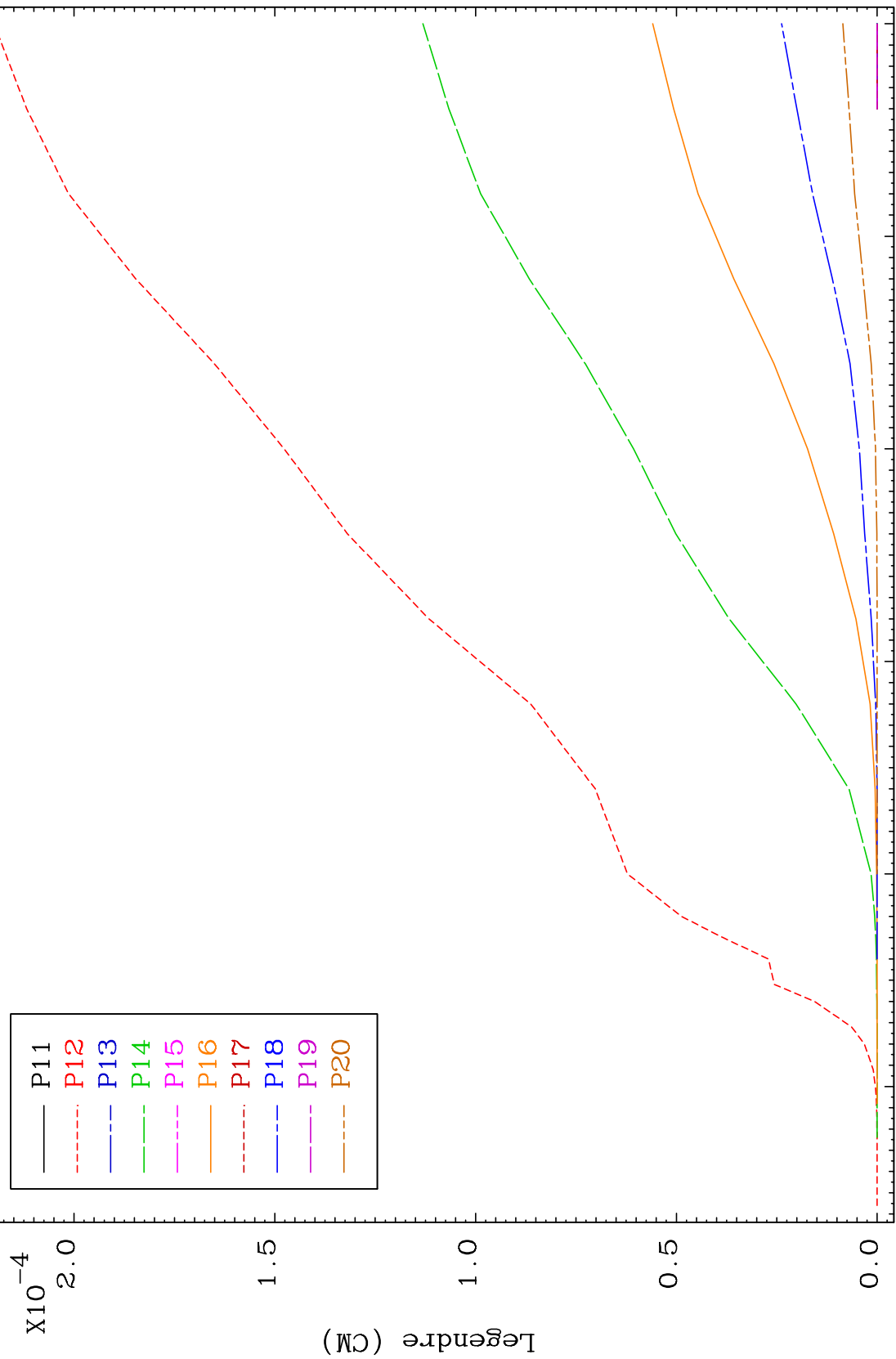
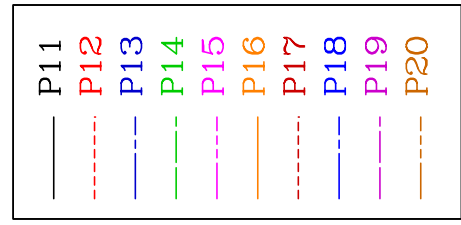




MAT 8294

Elastic Legendre Coefficients

83-Bi-198



15

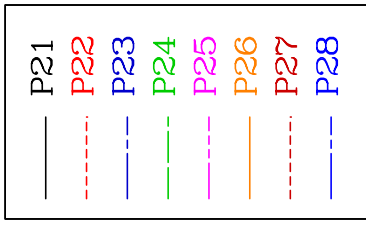
Incident Energy (MeV)

83-Bi-198

MAT 8294

Elastic Legendre Coefficients

83-Bi-198



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

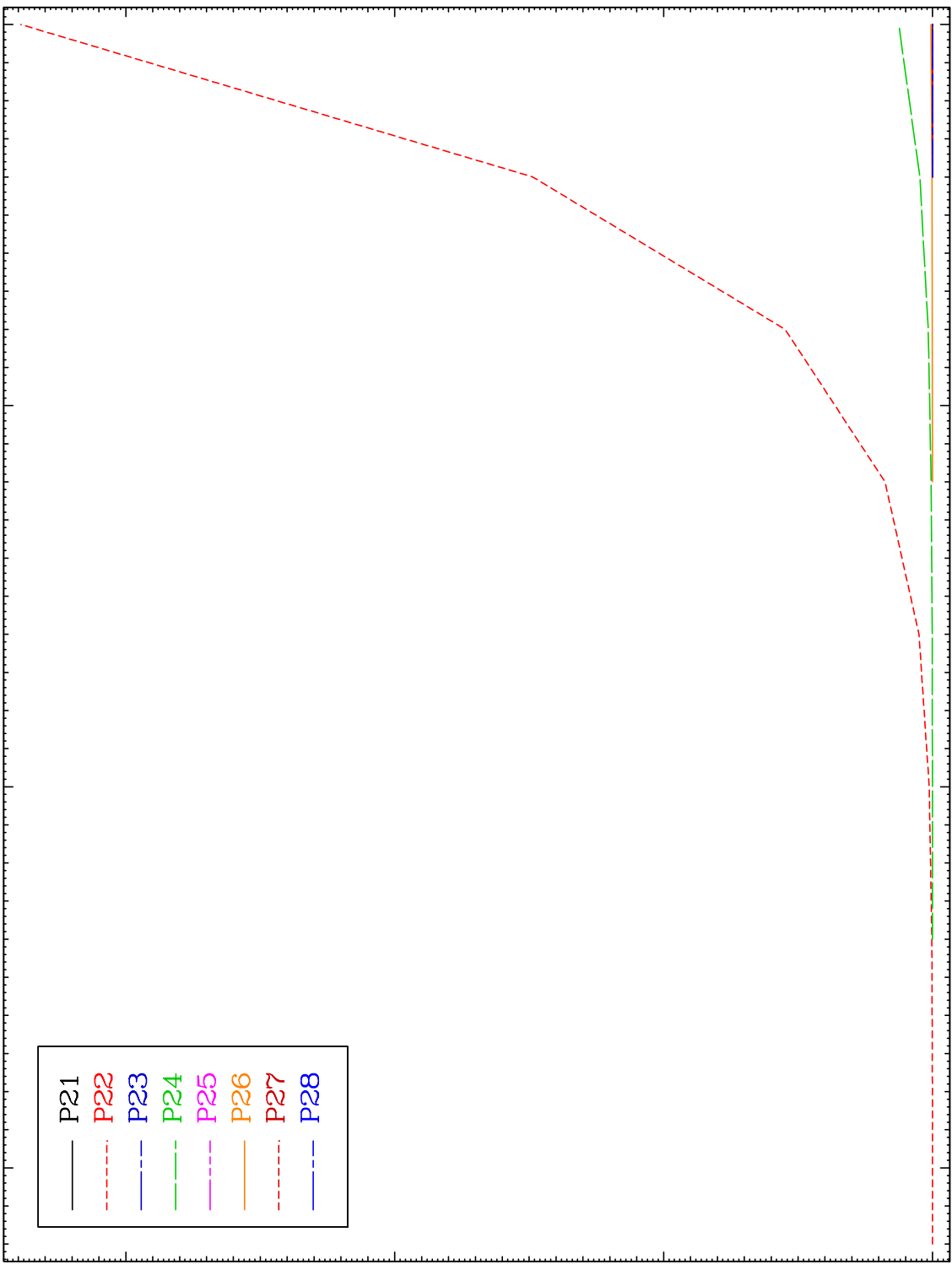
25

30

16

Incident Energy (MeV)

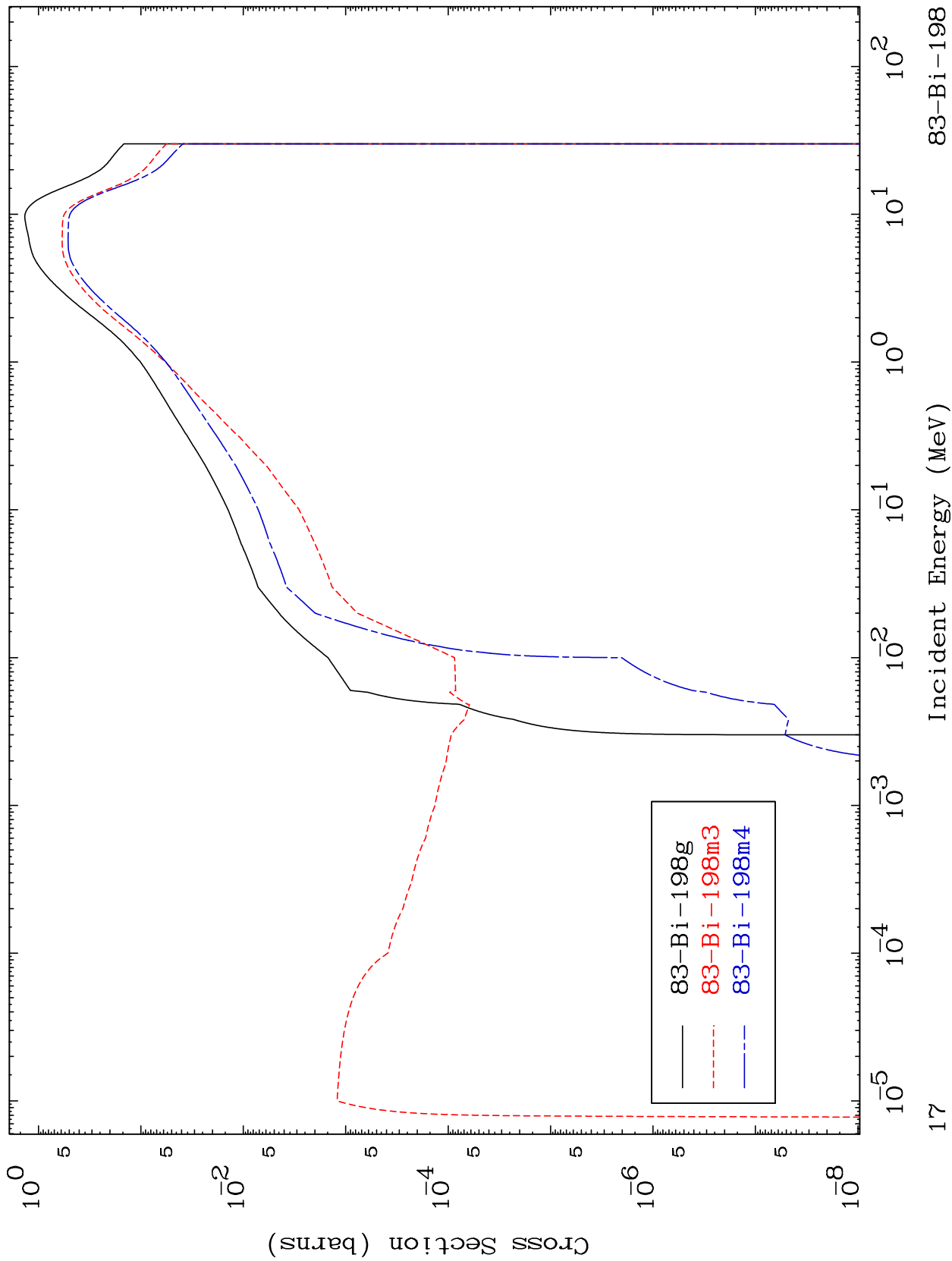
83-Bi-198



MAT 8294

83-Bi-198

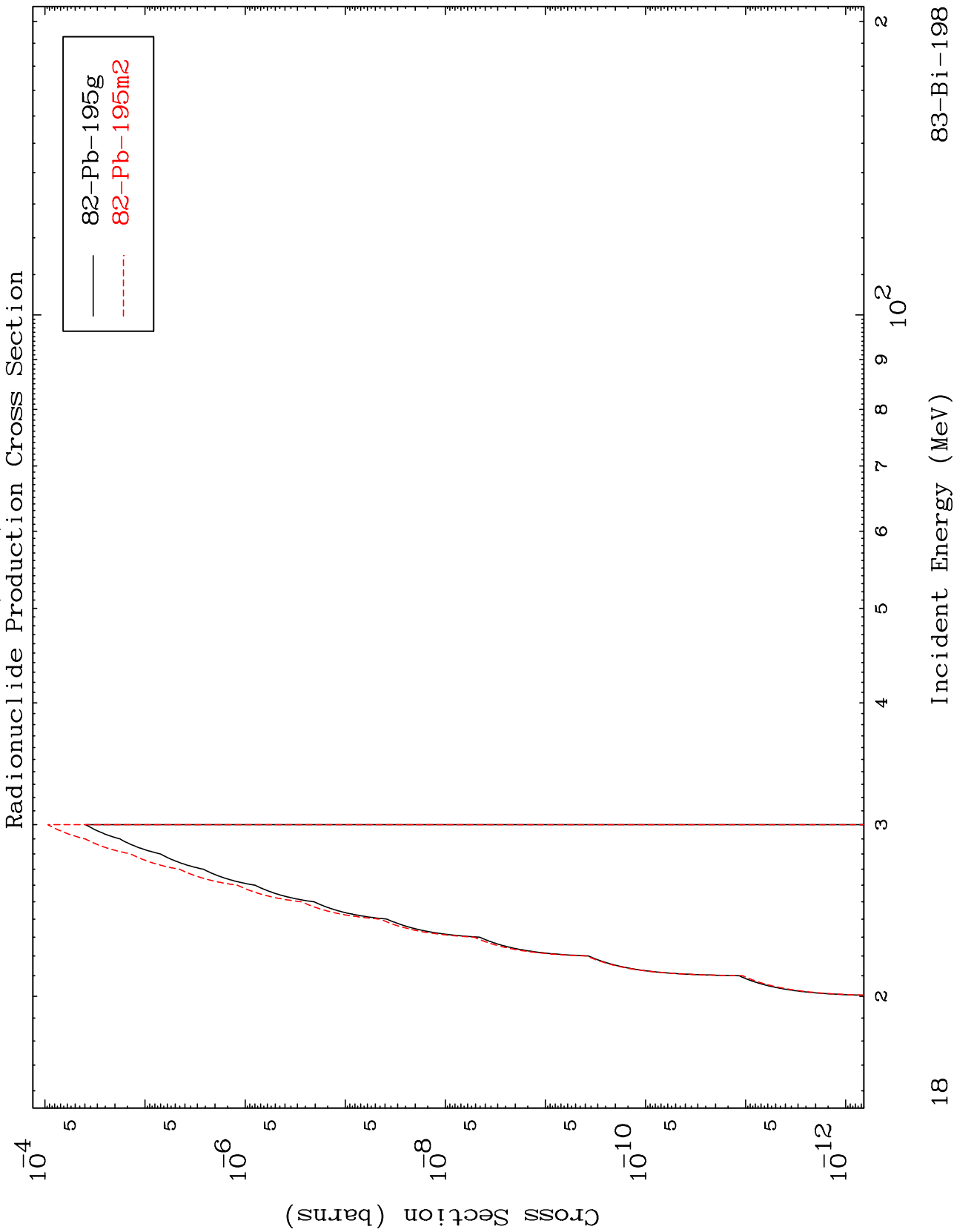
Inelastic  
Radionuclide Production Cross Section



MAT 8294

(n,2n) d

83-Bi-198



18

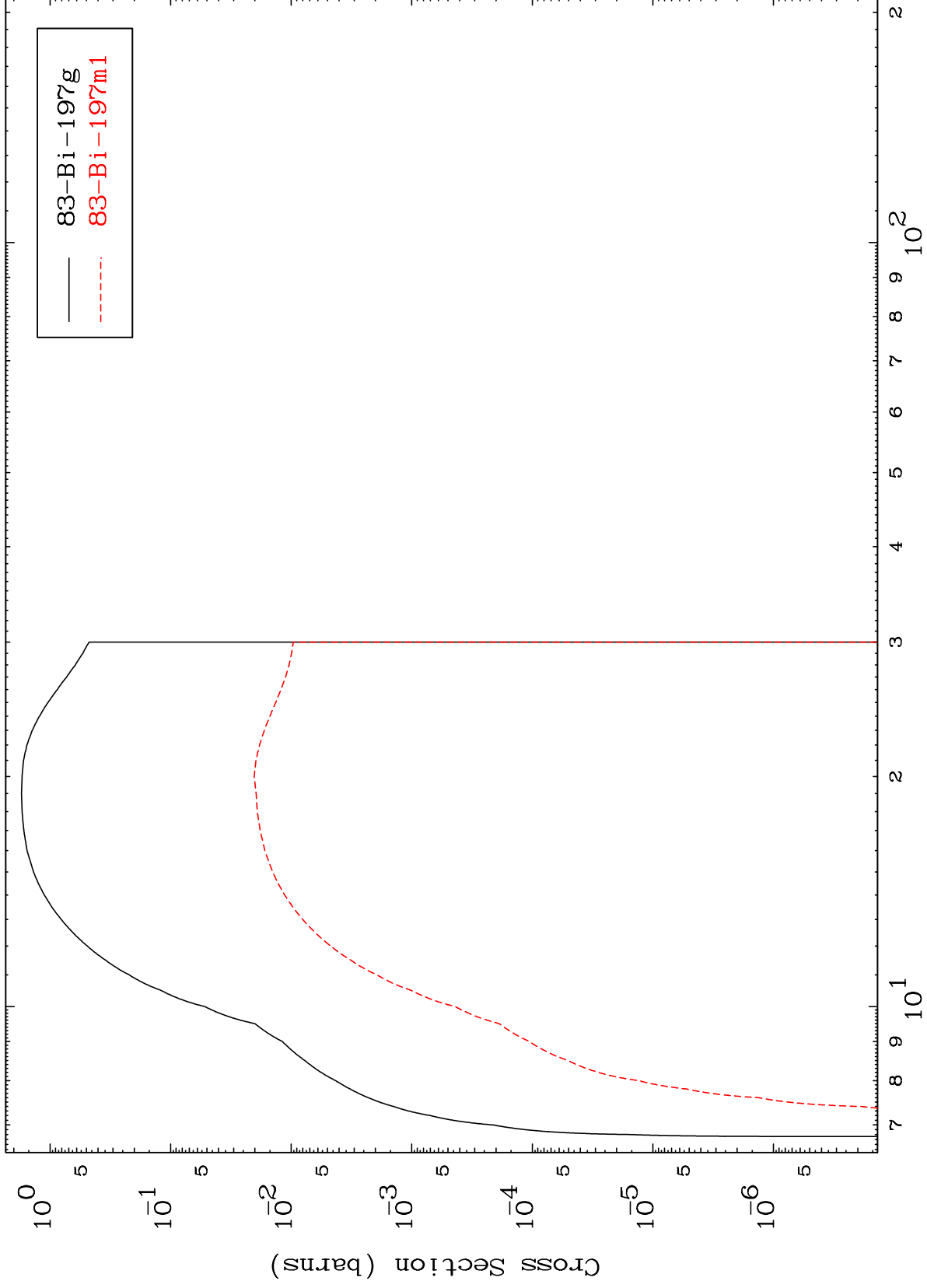
Incident Energy (MeV)

83-Bi-198

MAT 8294

83-Bi-198

(n,2n)  
Radionuclide Production Cross Section



19

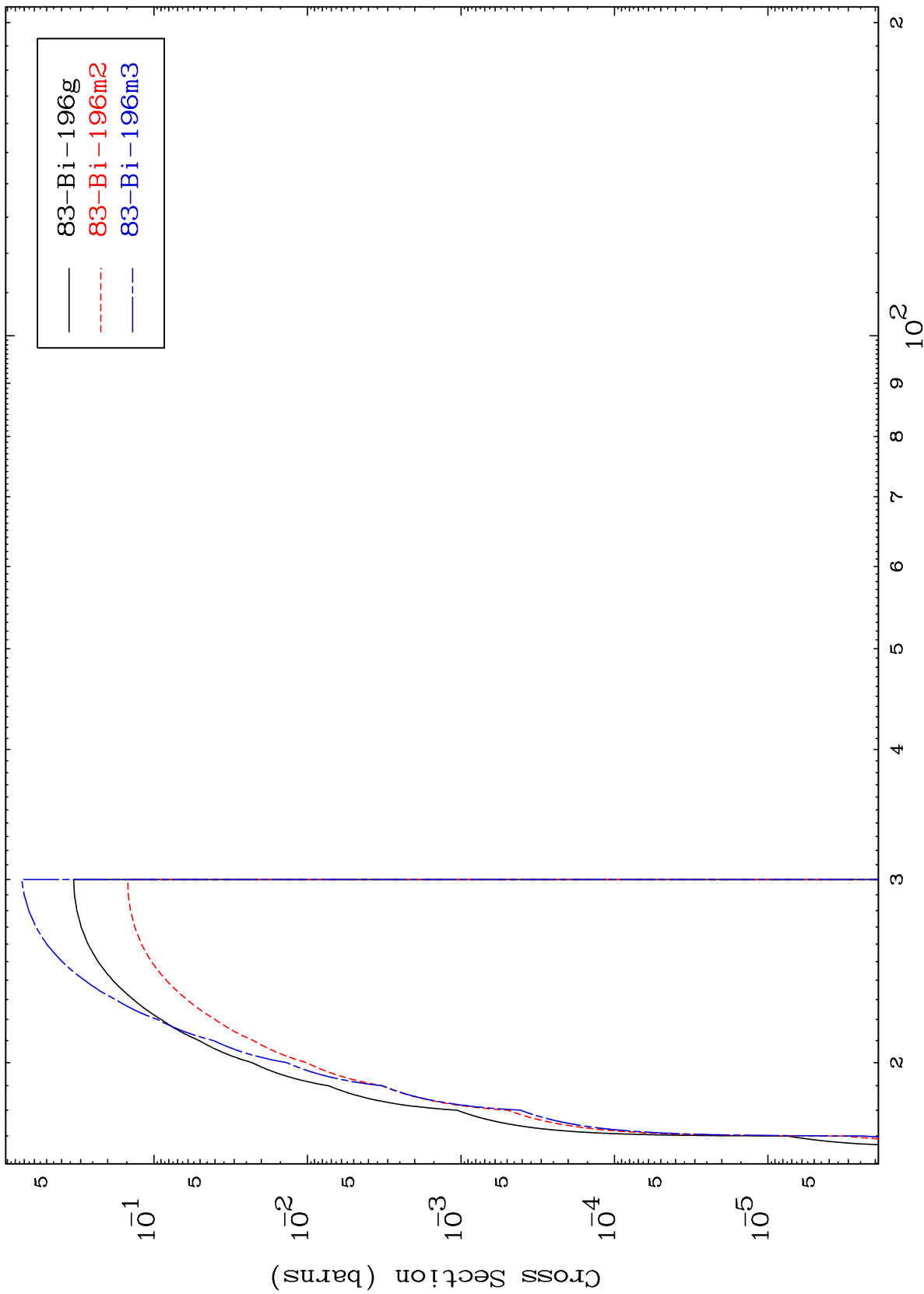
Incident Energy (MeV)

83-Bi-198

MAT 8294

83-Bi-198

(n,3n)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

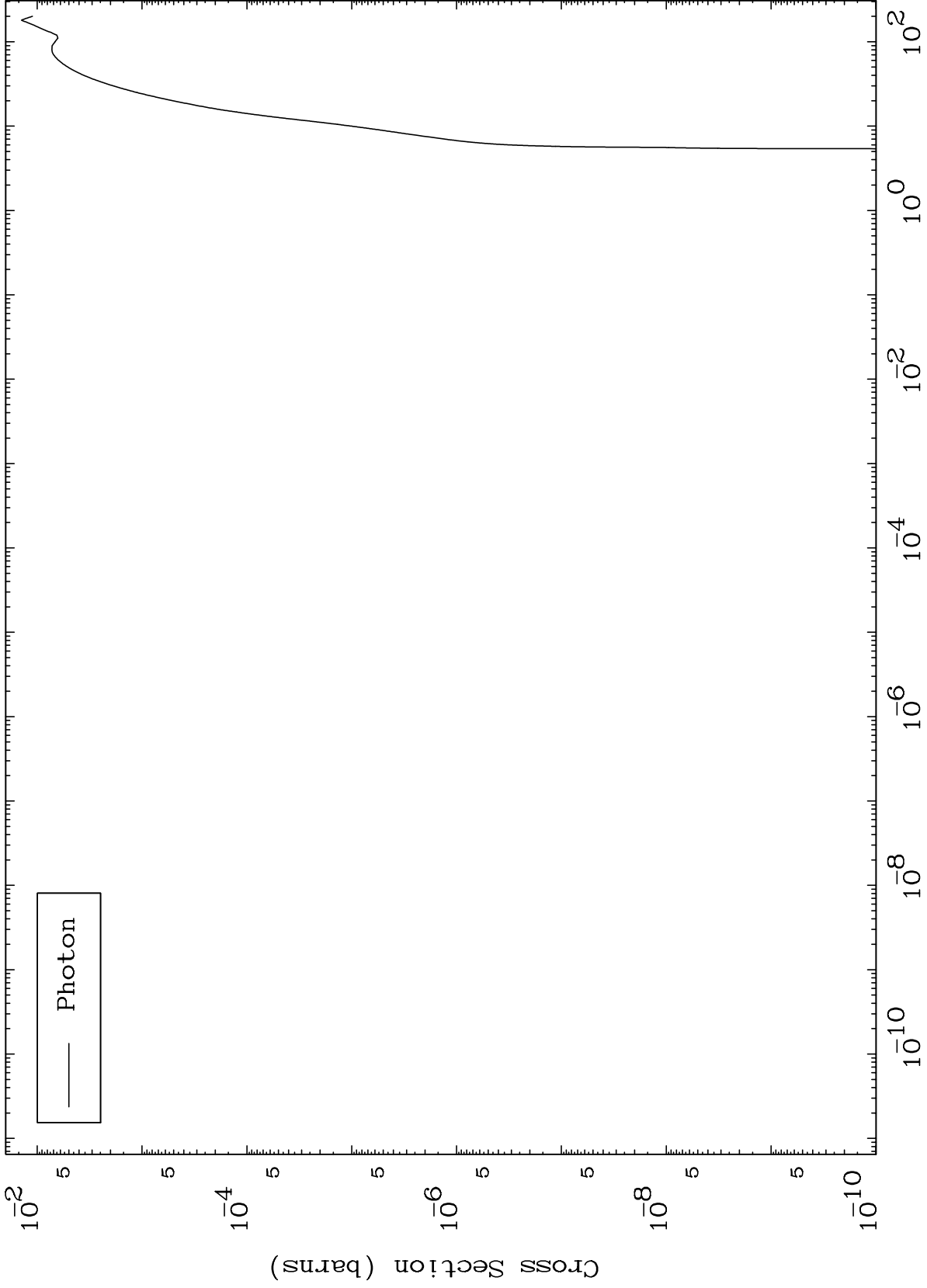
83-Bi-198

MAT 8294

Fission

83-Bi-198

Radionuclide Production Cross Section

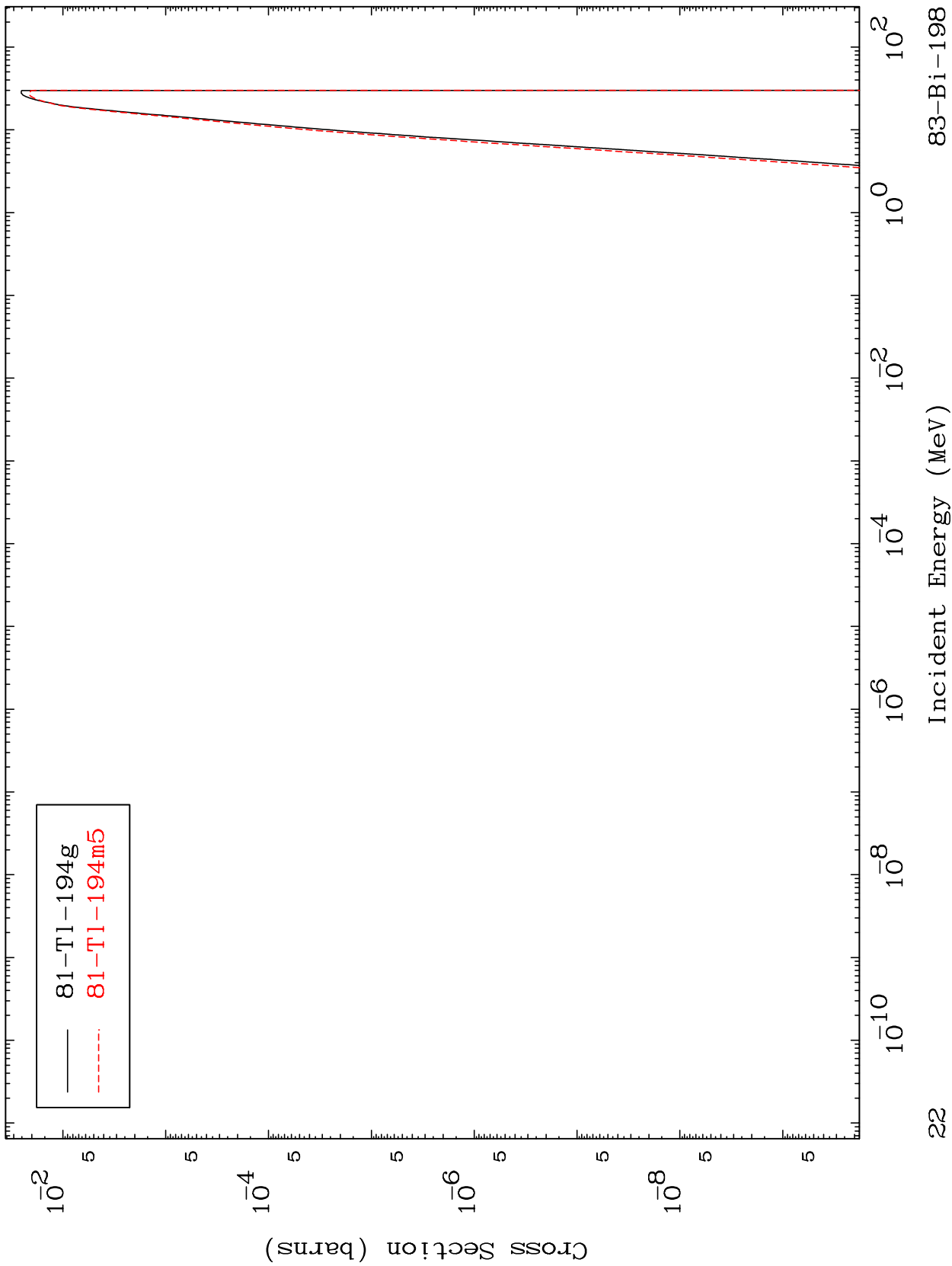


MAT 8294

$(n, n') \alpha$

83-Bi-198

Radionuclide Production Cross Section

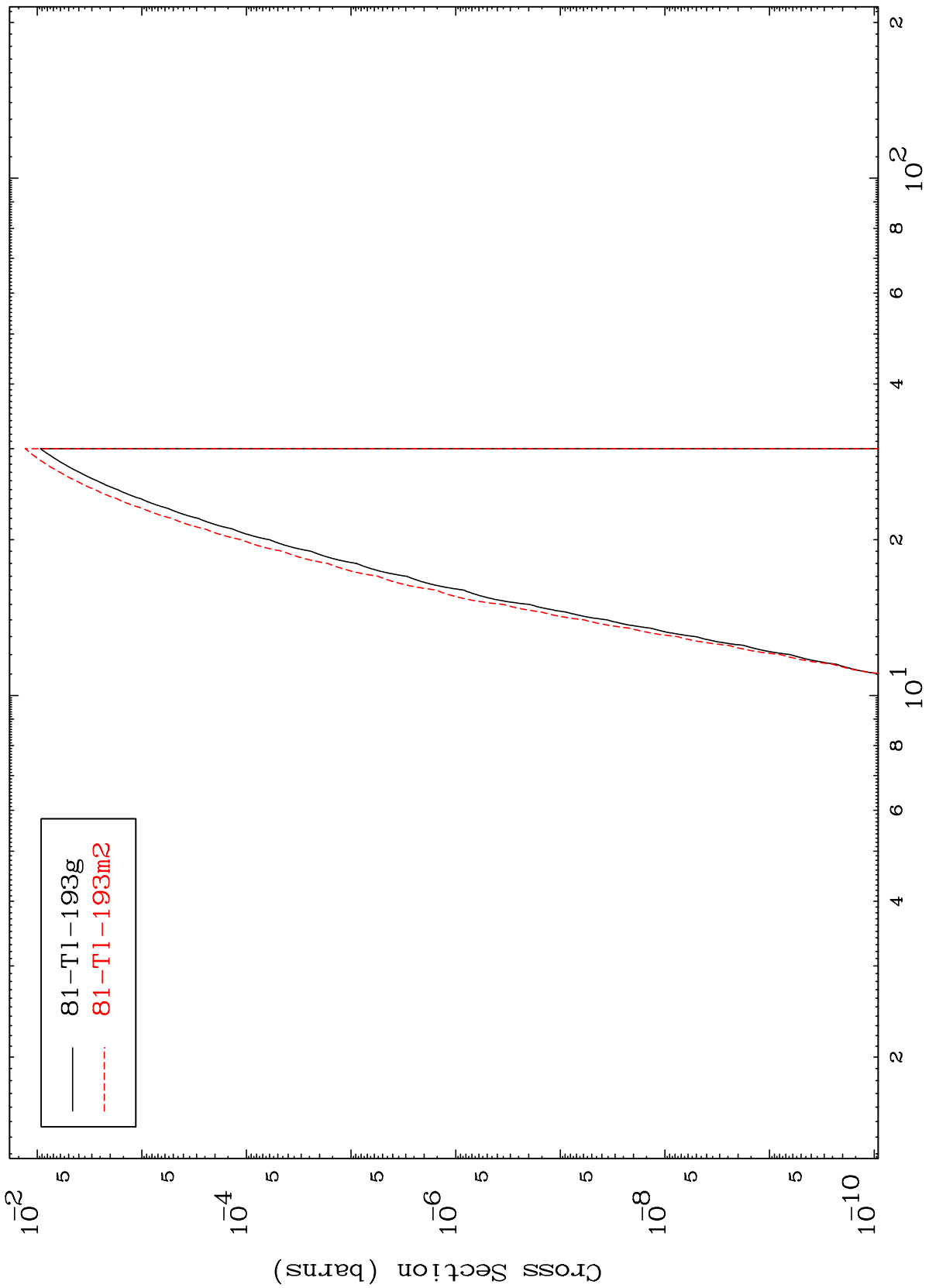


MAT 8294

(n,2n)  $\alpha$

83-Bi-198

Radionuclide Production Cross Section



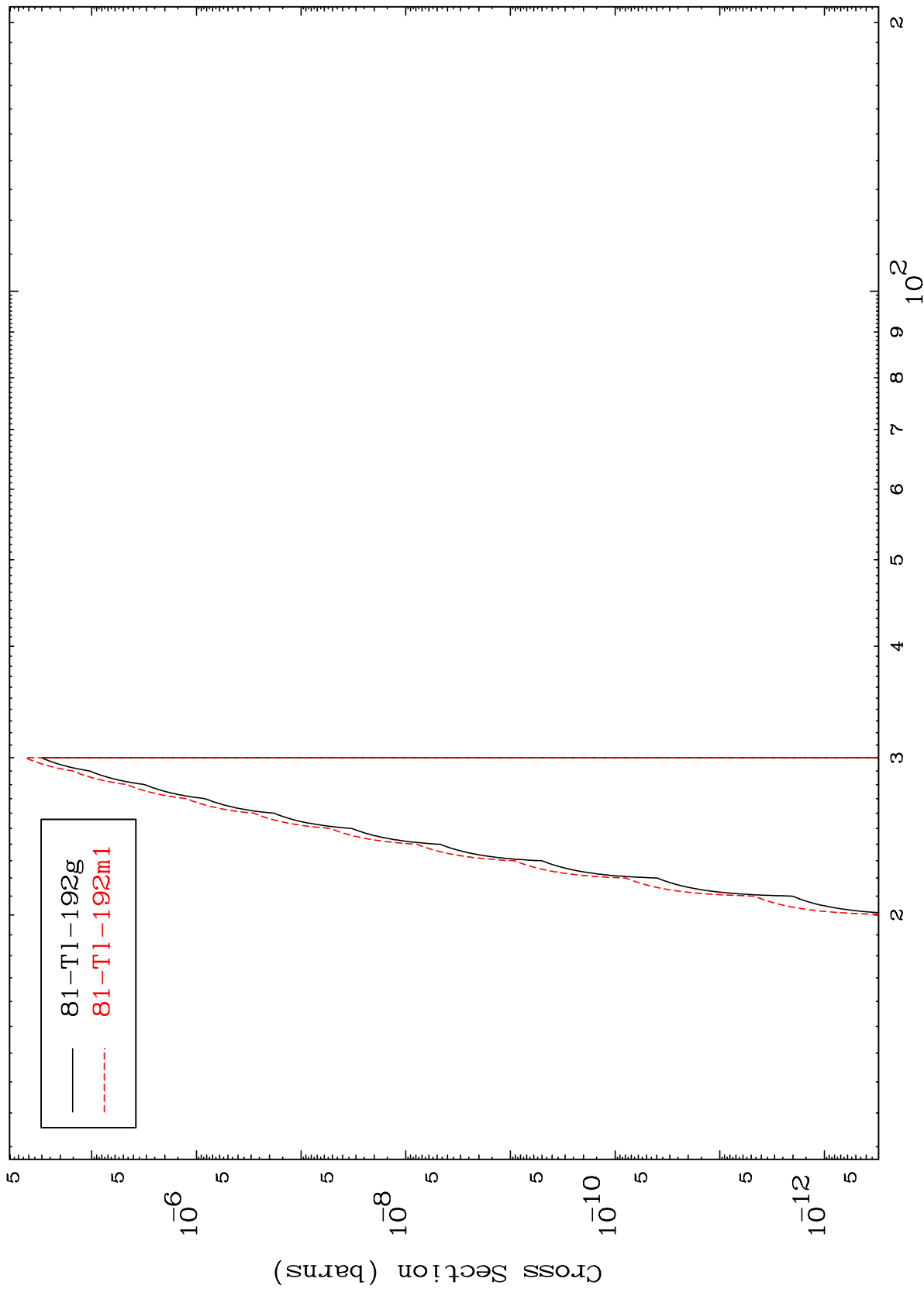
81-Tl-193g  
81-Tl-193m2

MAT 8294

$(n,3n) \alpha$

83-Bi-198

Radionuclide Production Cross Section



24

Incident Energy (MeV)

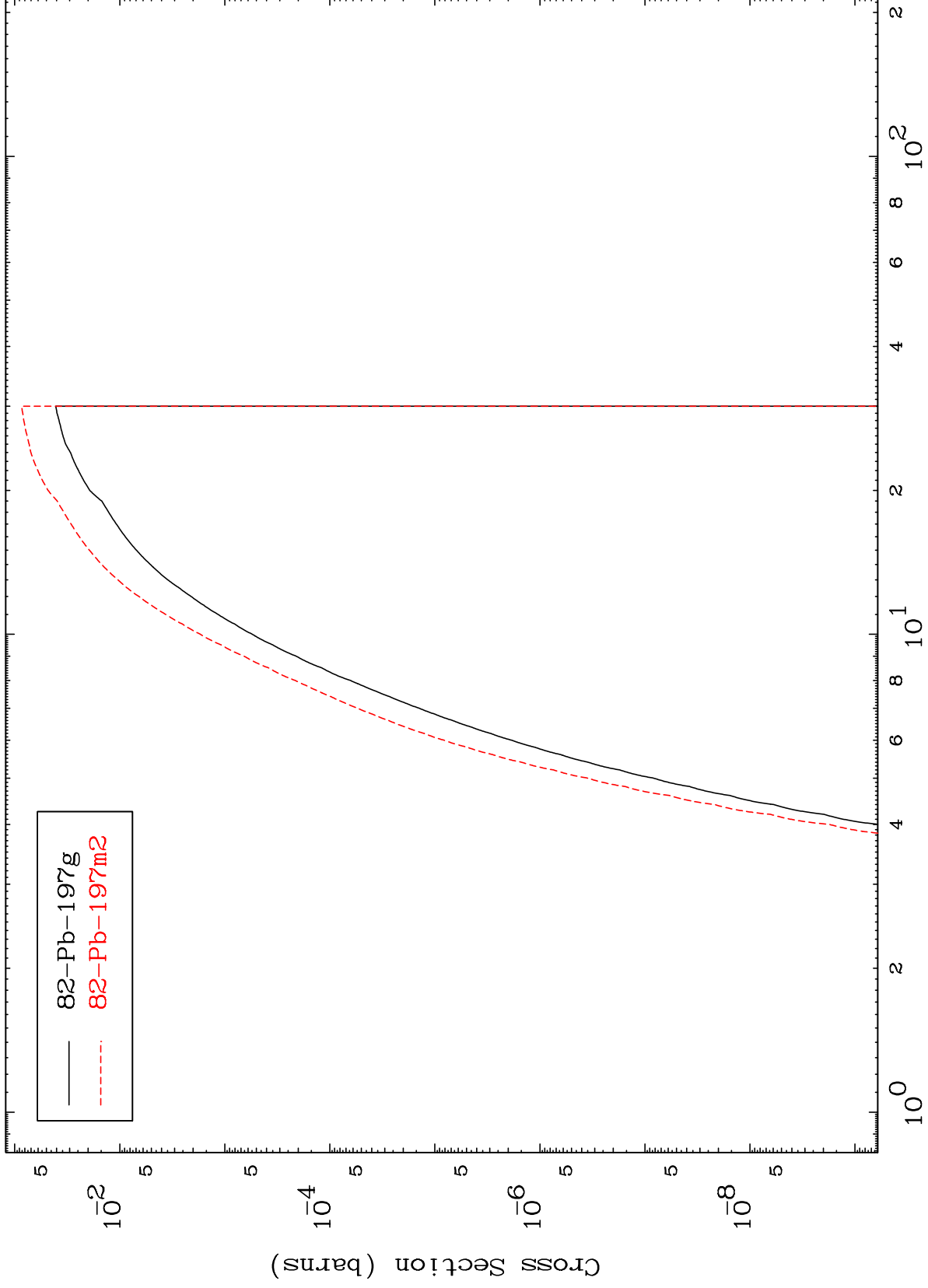
83-Bi-198

MAT 8294

(n,n') p

83-Bi-198

Radionuclide Production Cross Section



25

Incident Energy (MeV)

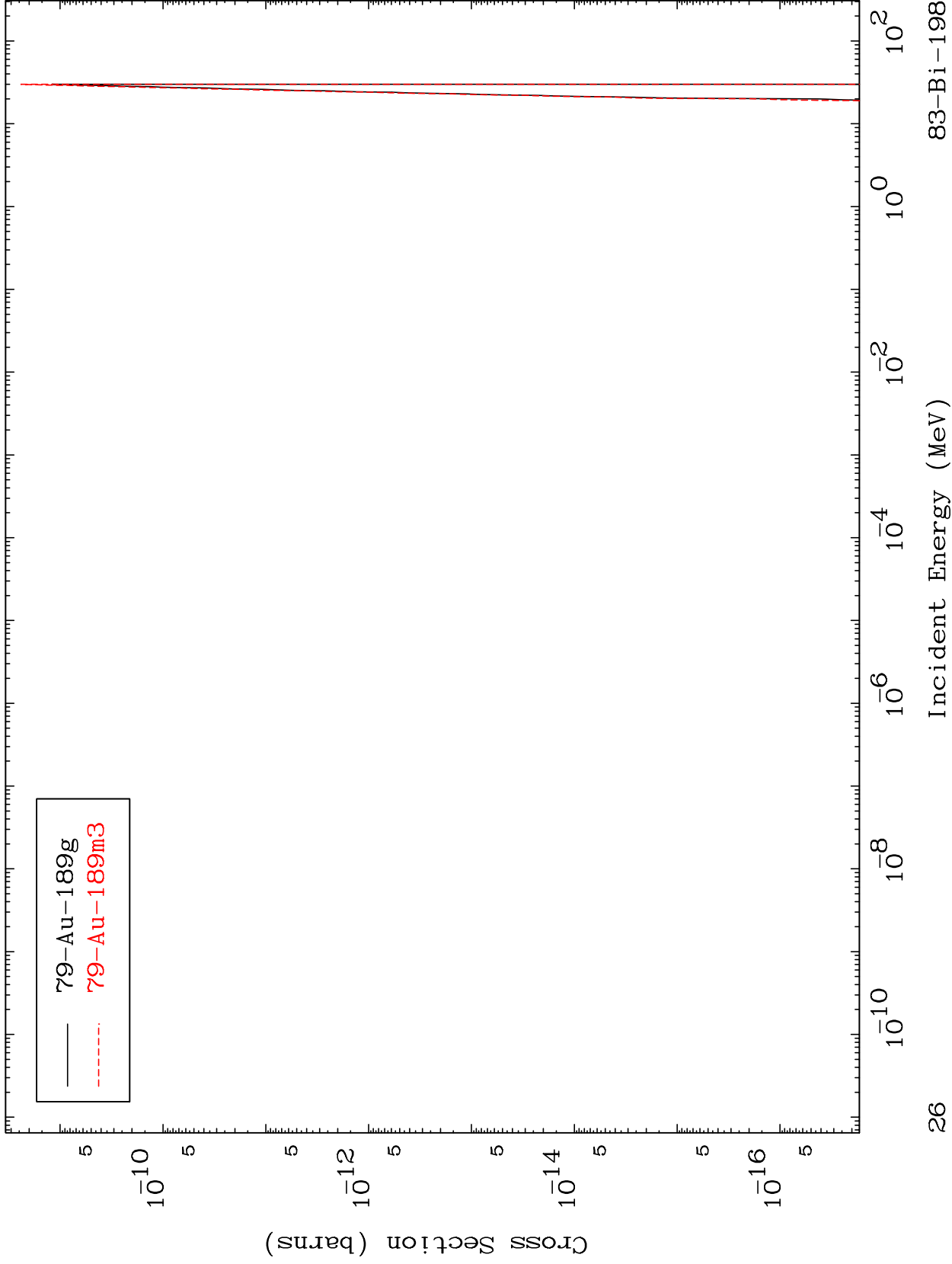
83-Bi-198

MAT 8294

(n,2n) 2 $\alpha$

83-Bi-198

Radionuclide Production Cross Section

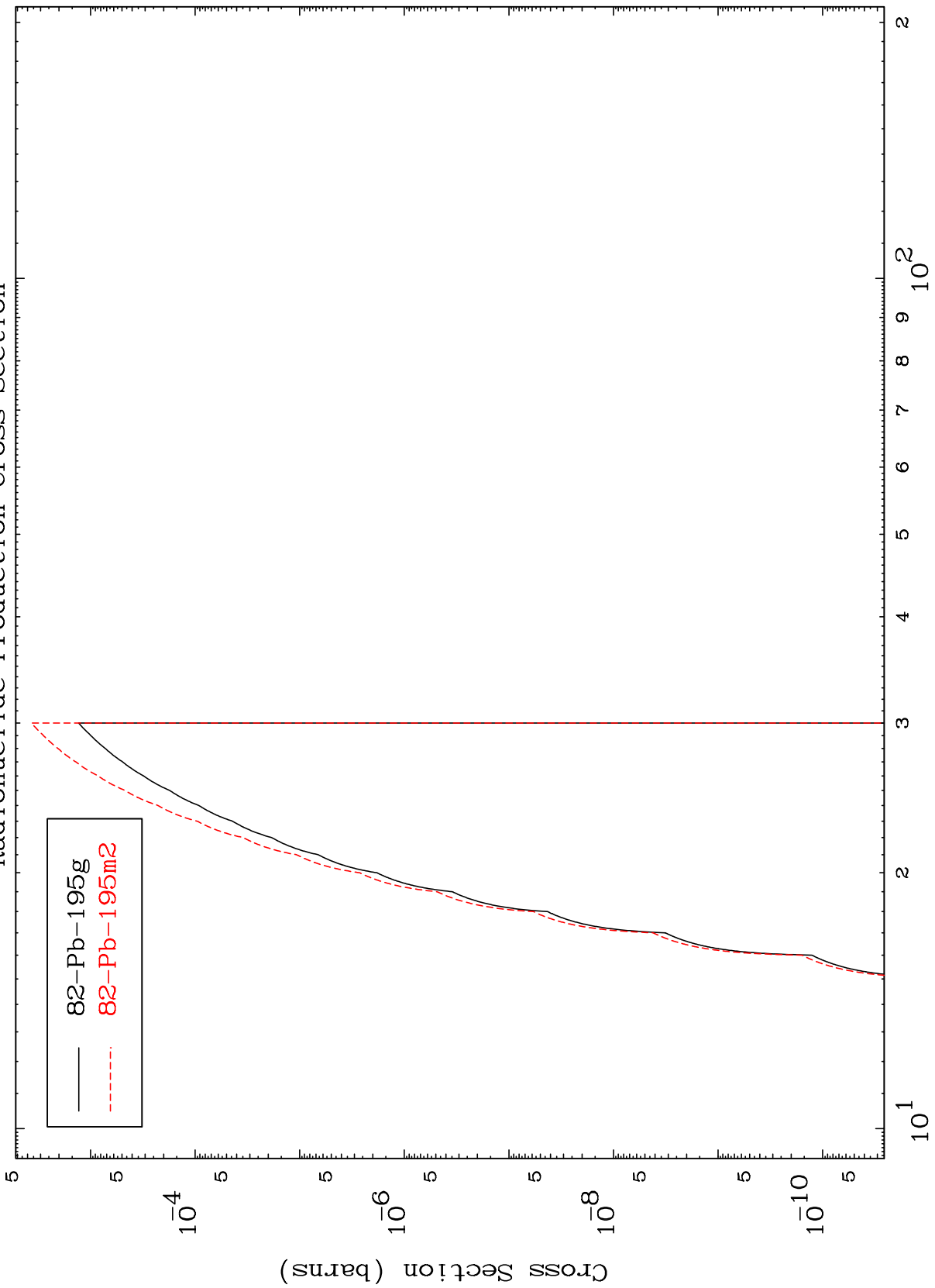


MAT 8294

(n,n') t

83-Bi-198

Radionuclide Production Cross Section

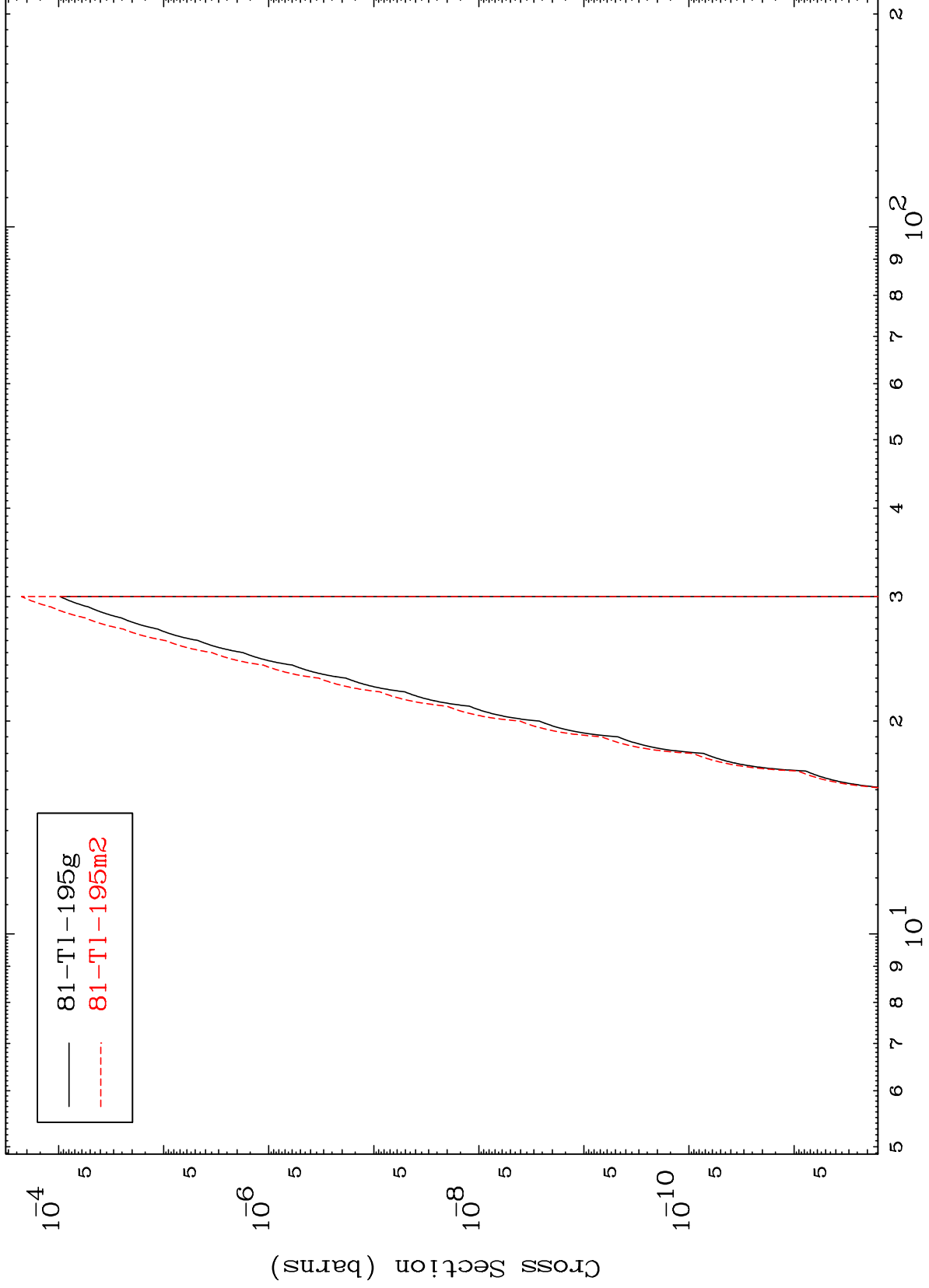


27

Incident Energy (MeV)

83-Bi-198

Radionuclide Production Cross Section

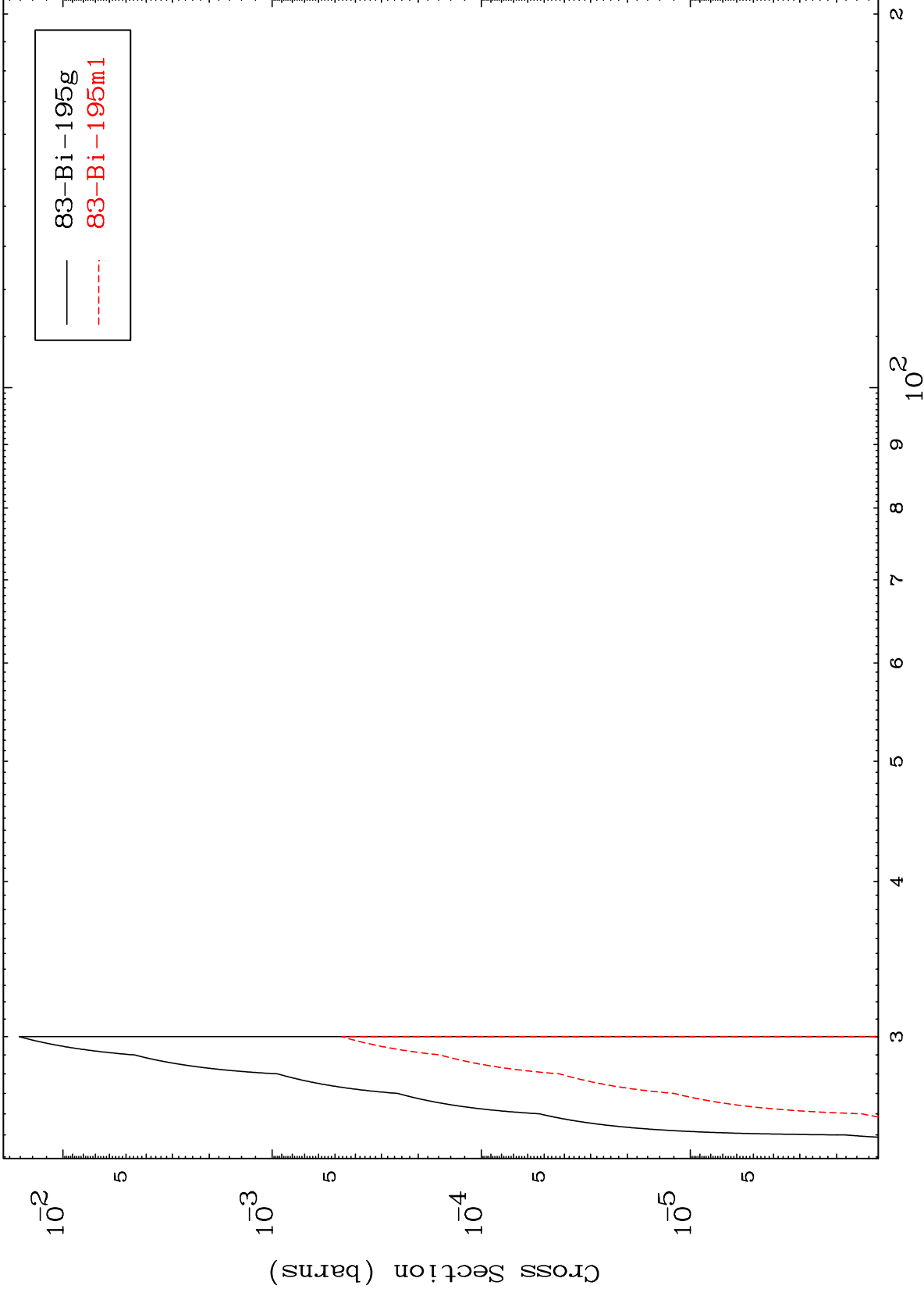


MAT 8294

83-Bi-198

(n,4n)

Radionuclide Production Cross Section



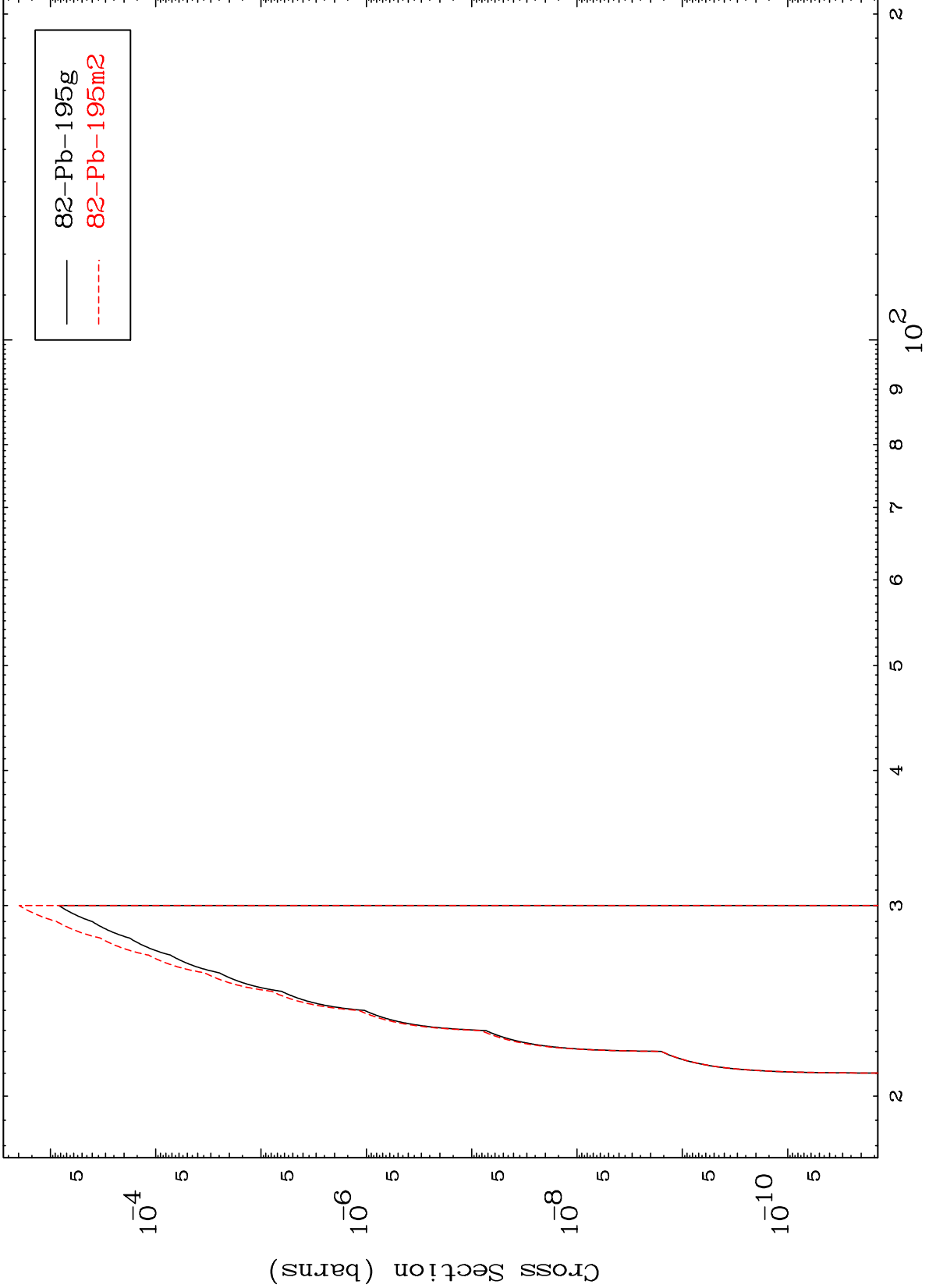
83-Bi-195g  
83-Bi-195m1

MAT 8294

(n,3n) p

83-Bi-198

Radionuclide Production Cross Section



82-Pb-195g  
82-Pb-195m2

30

Incident Energy (MeV)

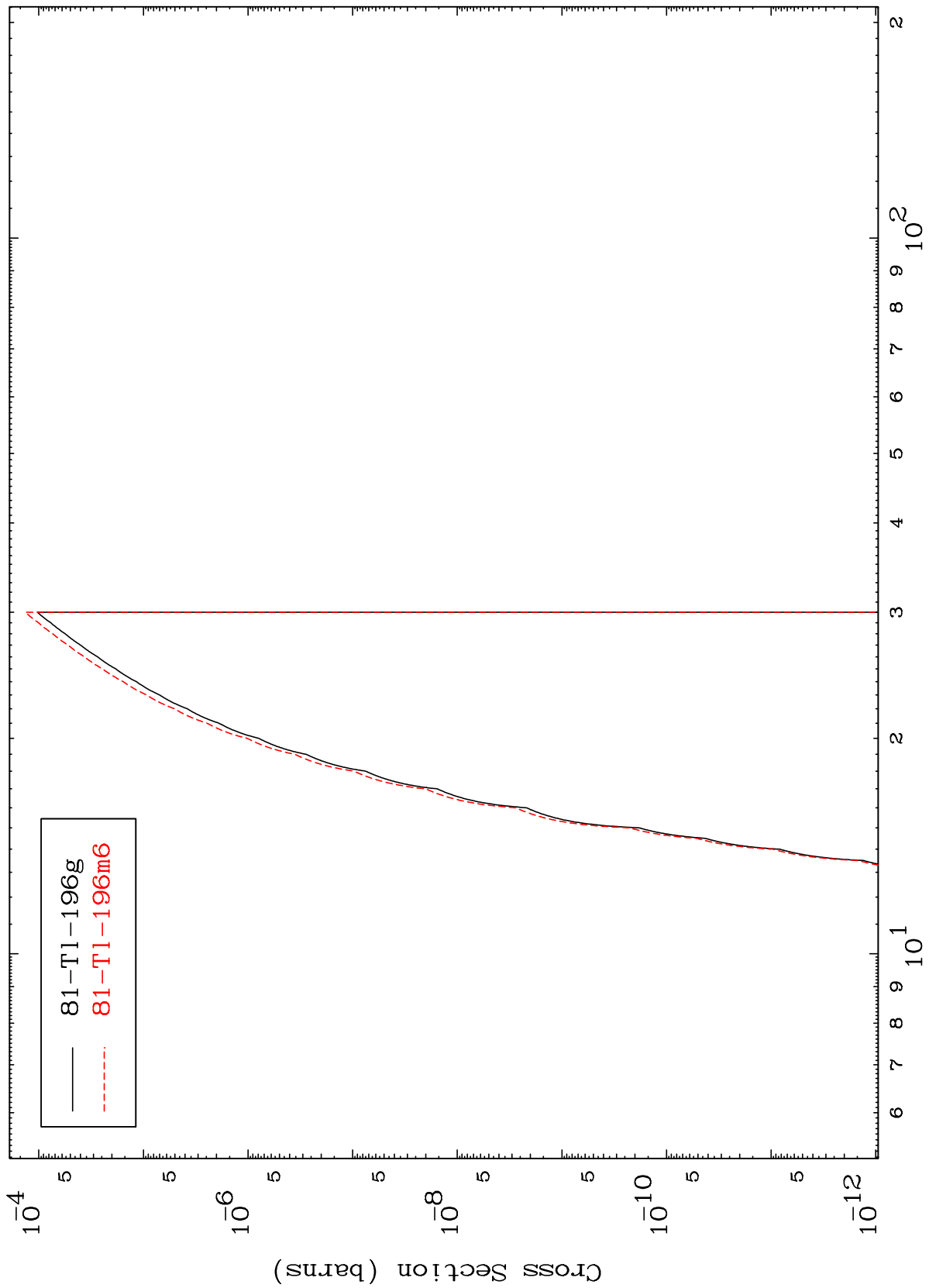
83-Bi-198

MAT 8294

(n,2n) p

83-Bi-198

Radionuclide Production Cross Section

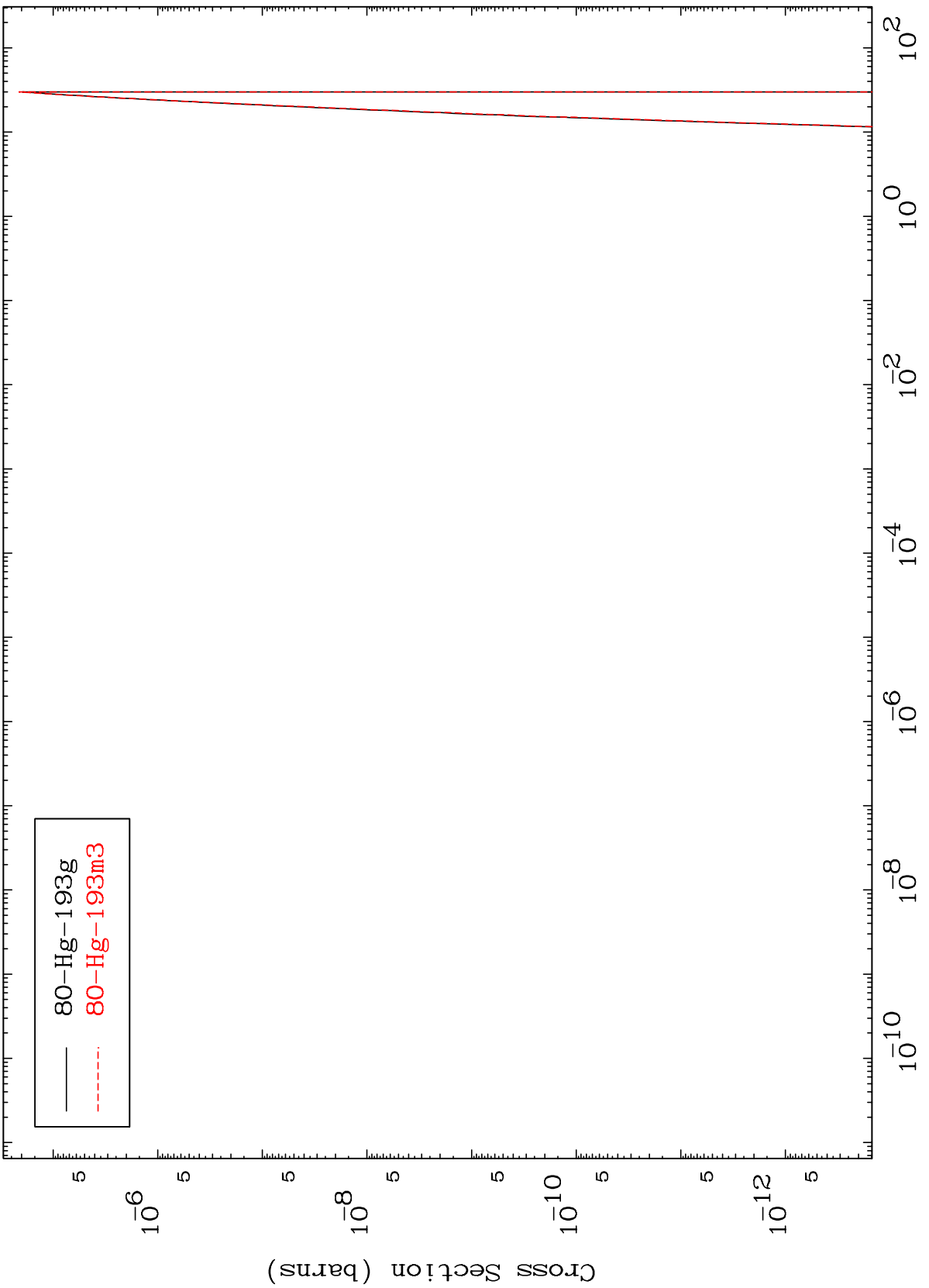


MAT 8294

(n,n') p  $\alpha$

83-Bi-198

Radionuclide Production Cross Section



32

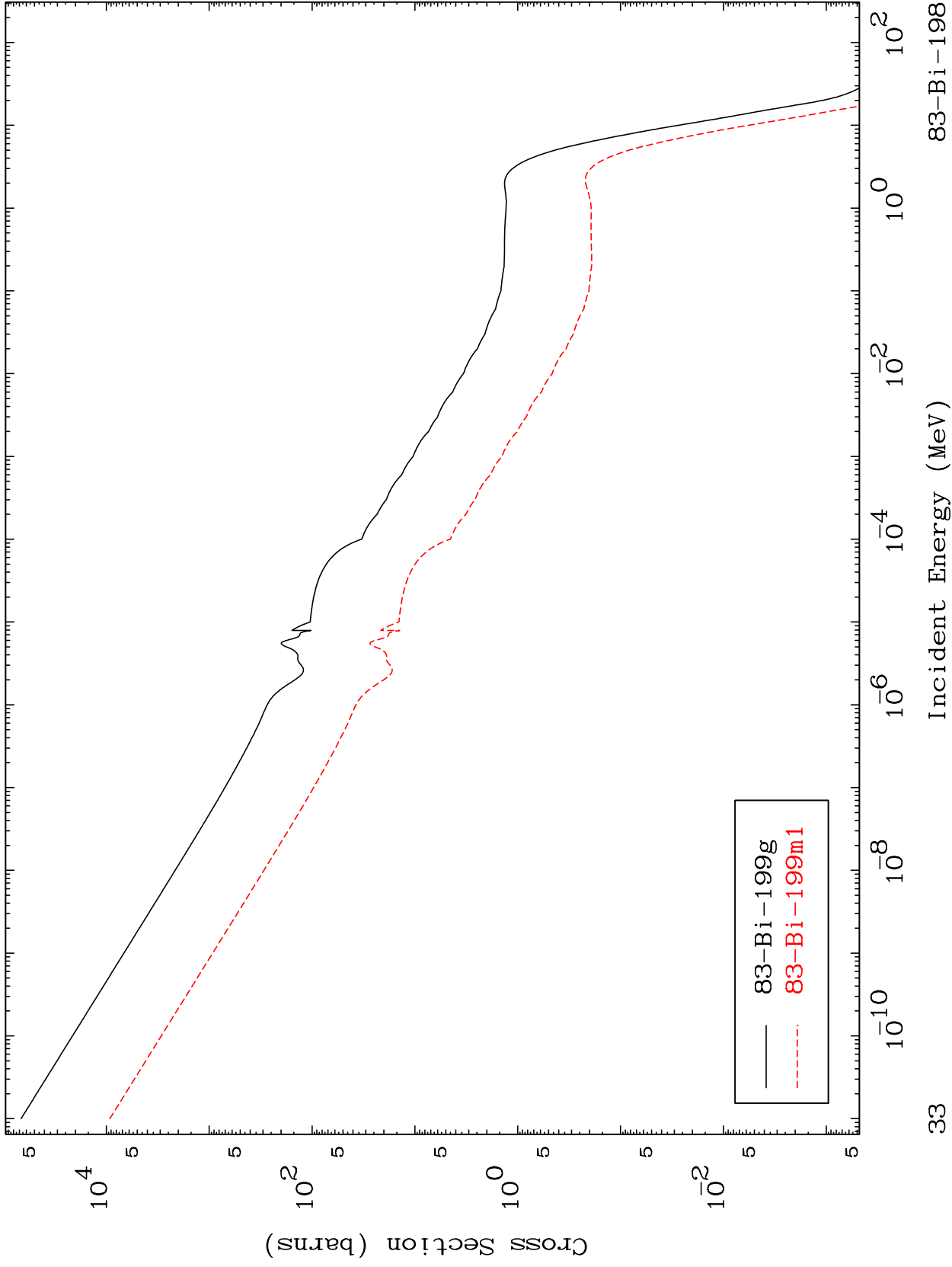
Incident Energy (MeV)

83-Bi-198

MAT 8294

83-Bi-198

(n,γ)  
Radionuclide Production Cross Section

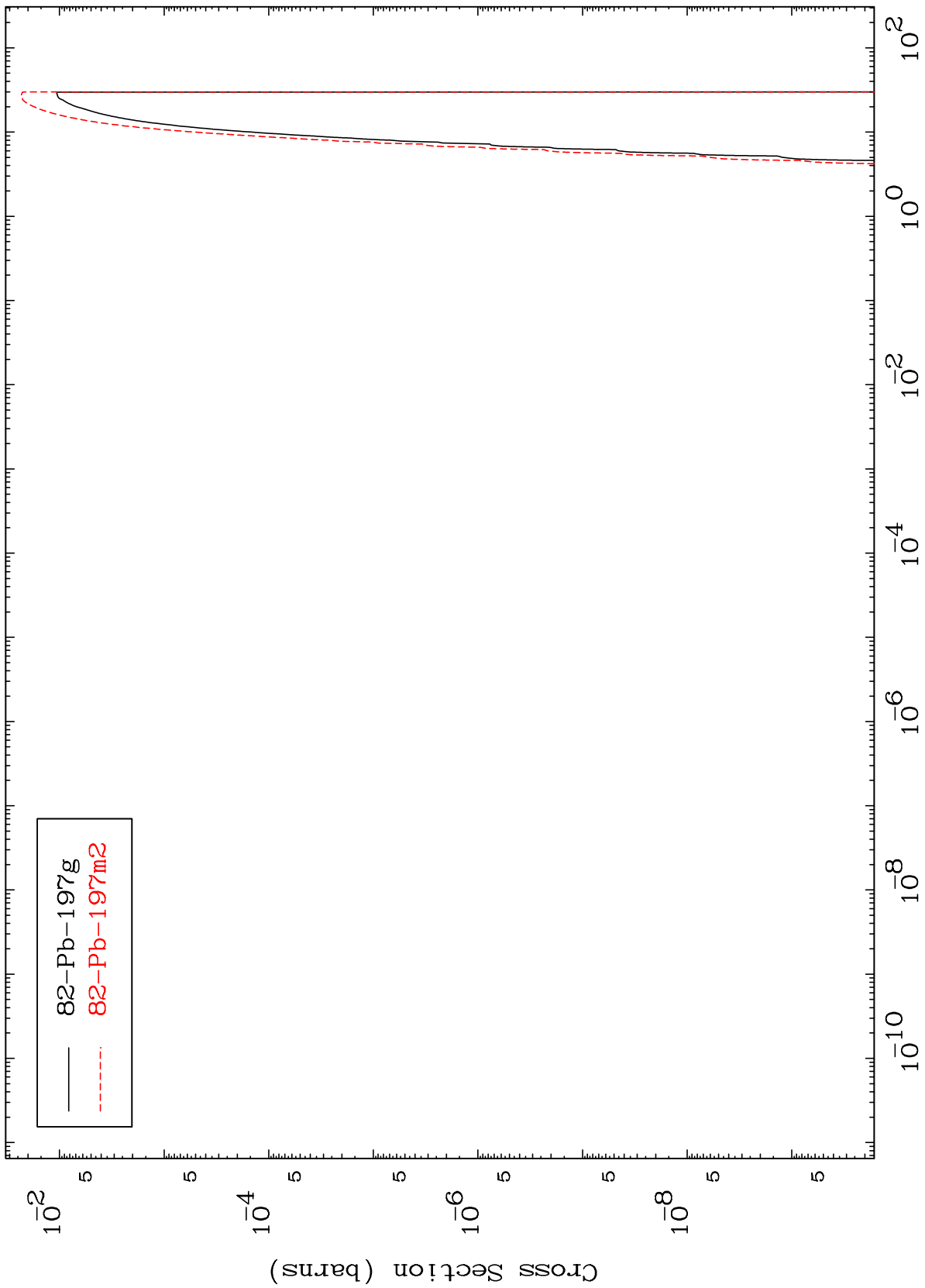


MAT 8294

(n,d)

83-Bi-198

Radionuclide Production Cross Section

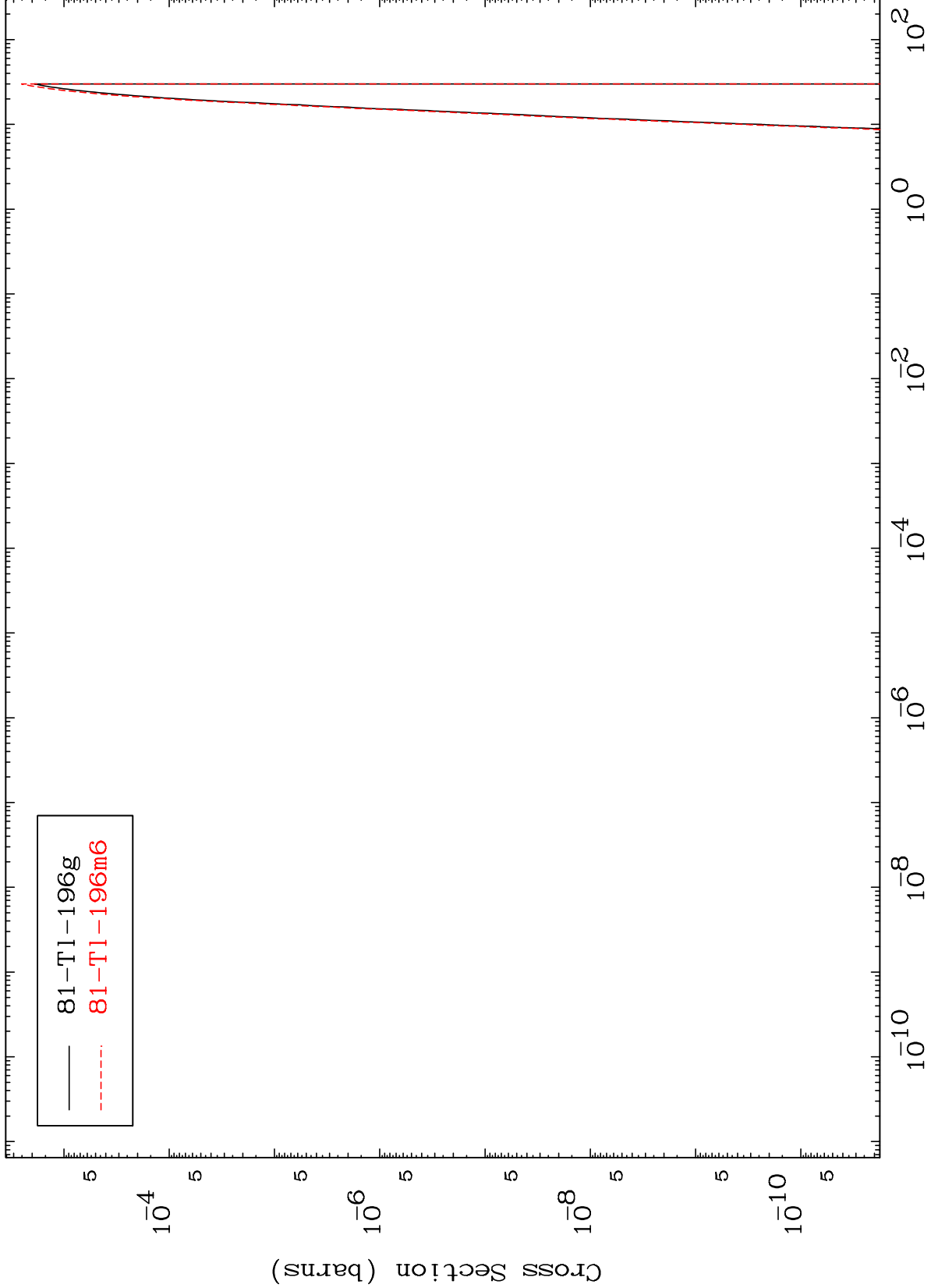


MAT 8294

(n,He-3)

83-Bi-198

Radionuclide Production Cross Section



35

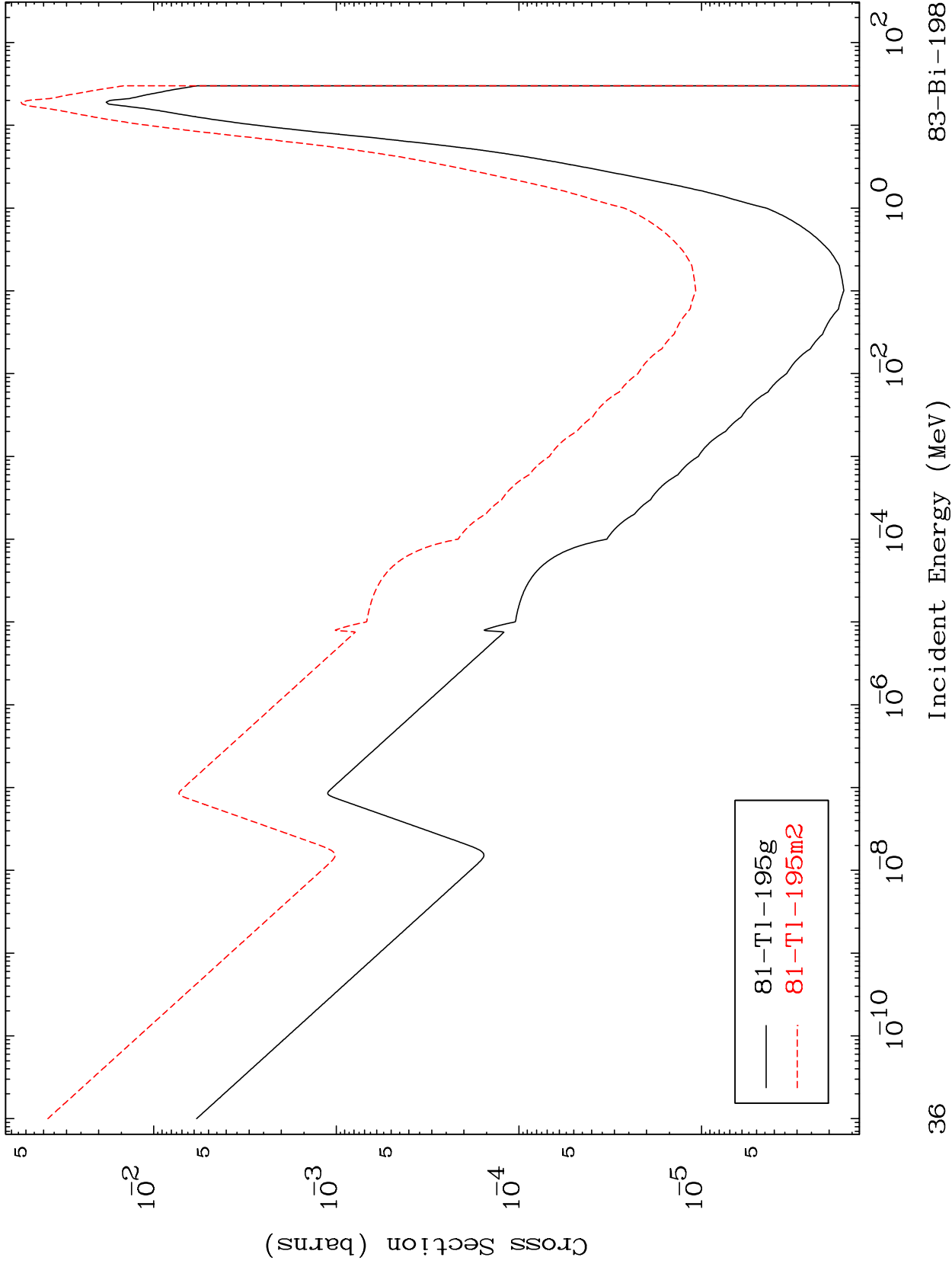
Incident Energy (MeV)

83-Bi-198

MAT 8294

83-Bi-198

$(n, \alpha)$   
Radionuclide Production Cross Section



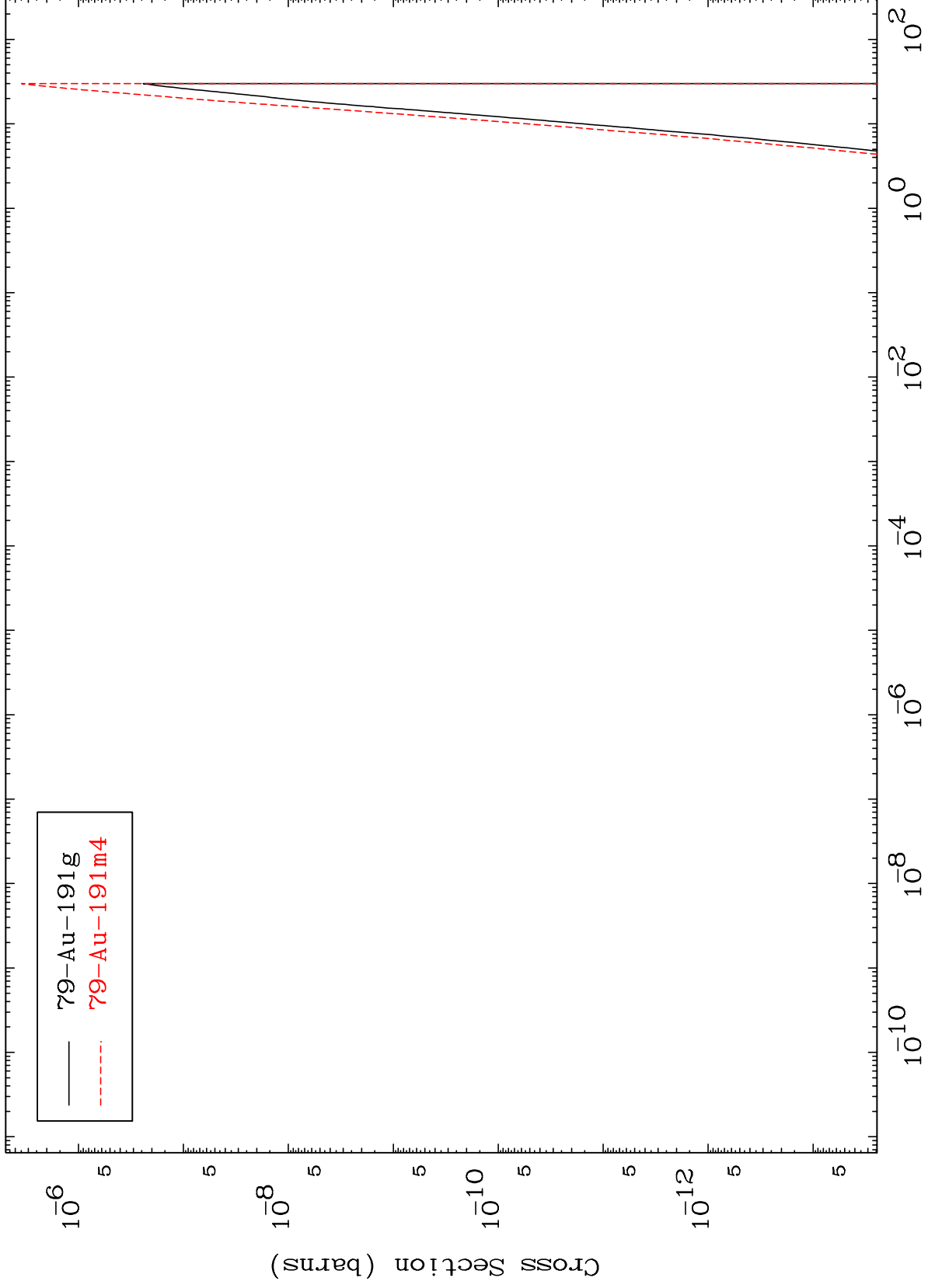
36

MAT 8294

$(n, 2\alpha)$

$^{83}\text{Bi}-198$

Radionuclide Production Cross Section

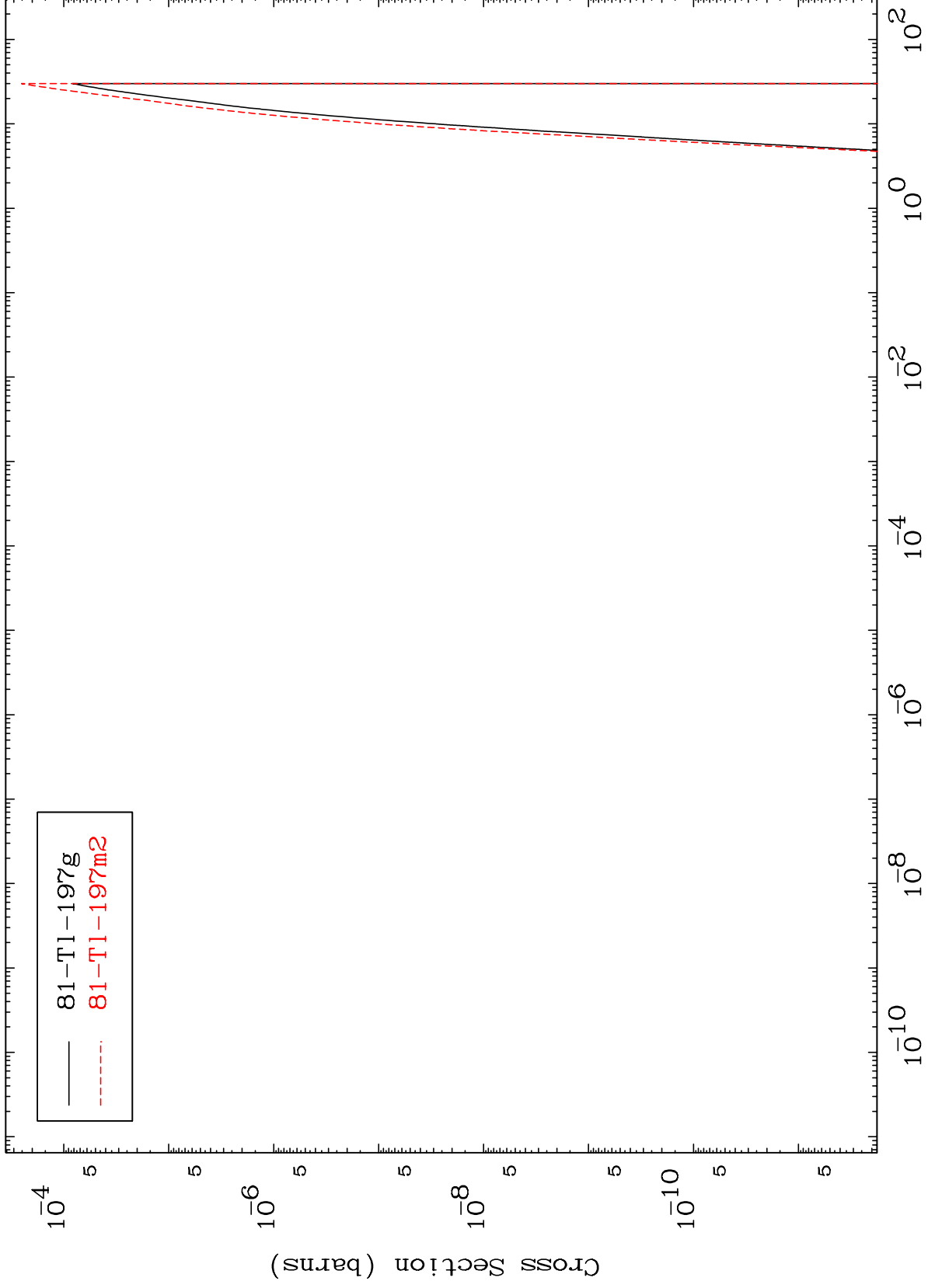


MAT 8294

(n,2p)

83-Bi-198

Radionuclide Production Cross Section

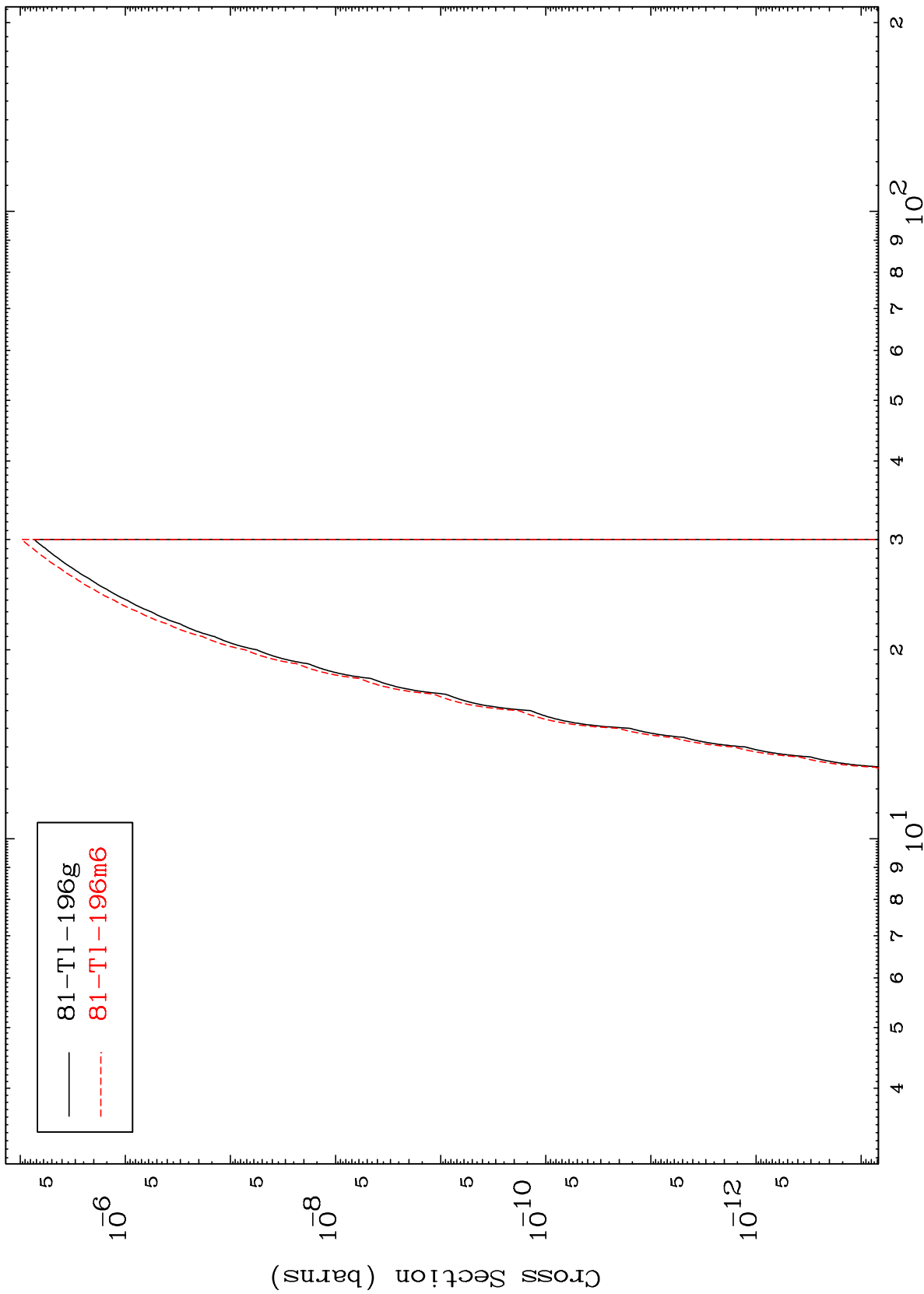


38

Incident Energy (MeV)

83-Bi-198

Radionuclide Production Cross Section



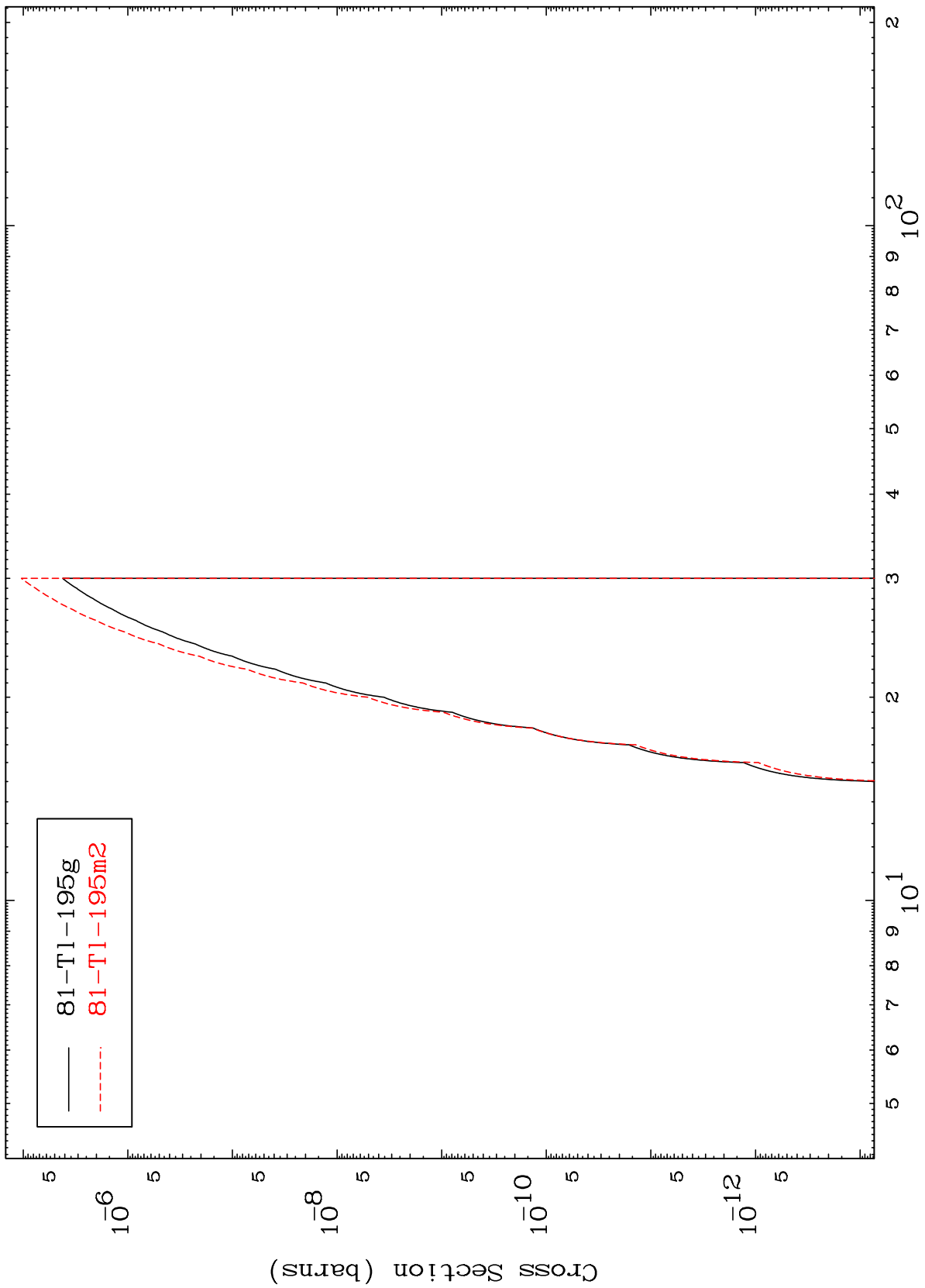
81-Tl-196g  
81-Tl-196m6

MAT 8294

(n,p) t

83-Bi-198

Radionuclide Production Cross Section



40

Incident Energy (MeV)

83-Bi-198

MAT 8294

(n,d)  $\alpha$

83-Bi-198

Radionuclide Production Cross Section

