

Program EVALPLOT  
(Version 2021-1)

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

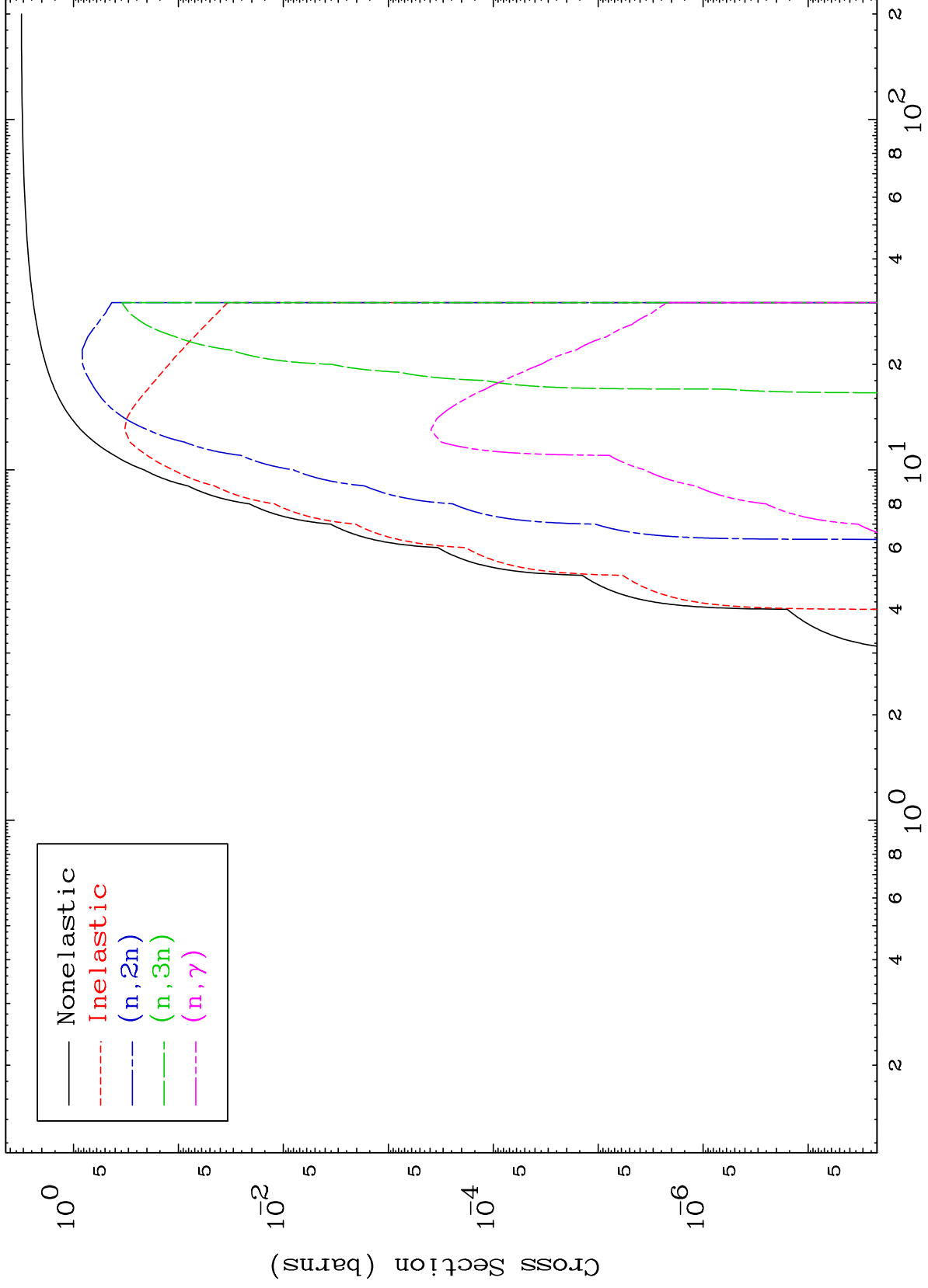
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8294

Deuteron Major  
0 Kelvin Cross Sections

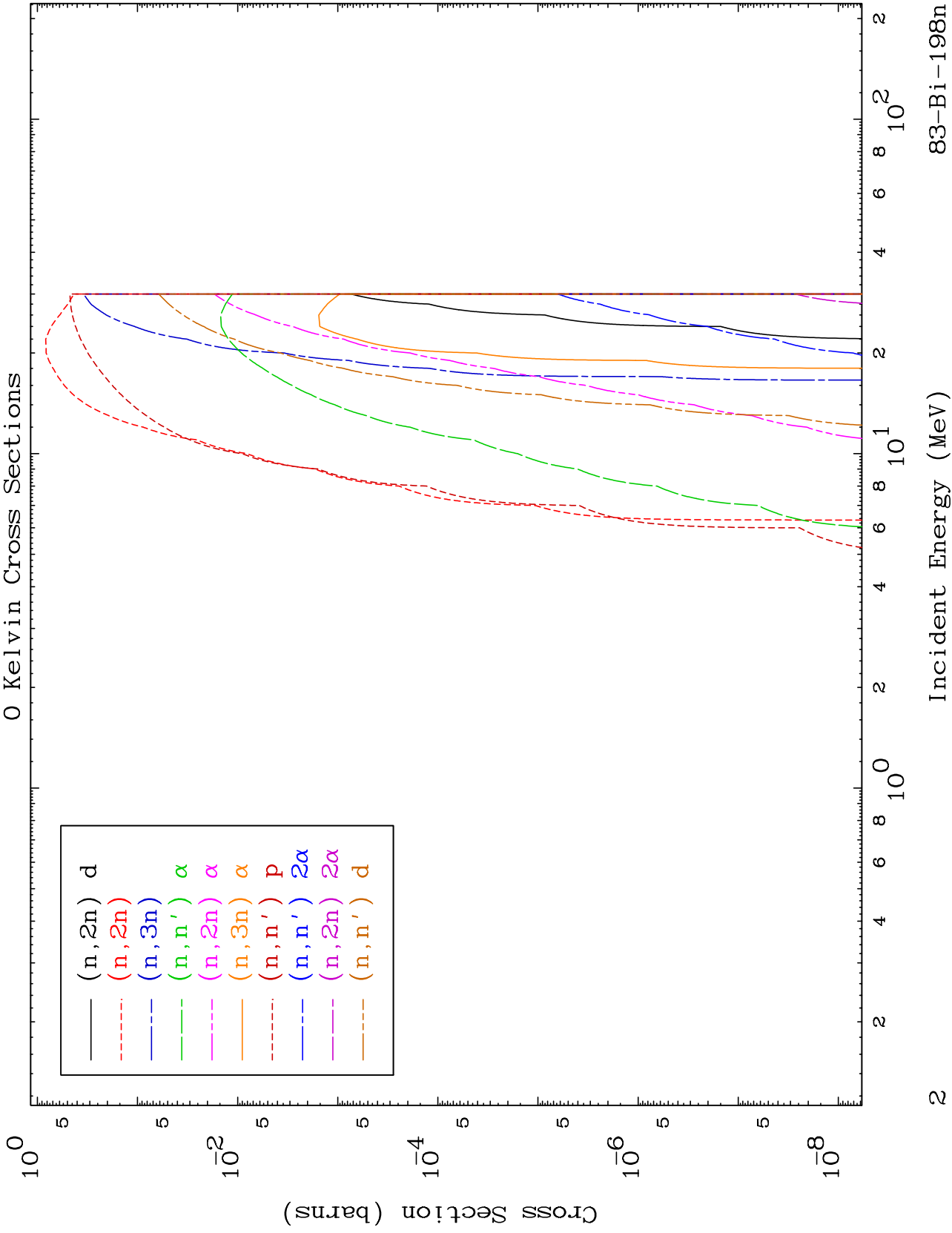
83-Bi-198n



MAT 8294

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

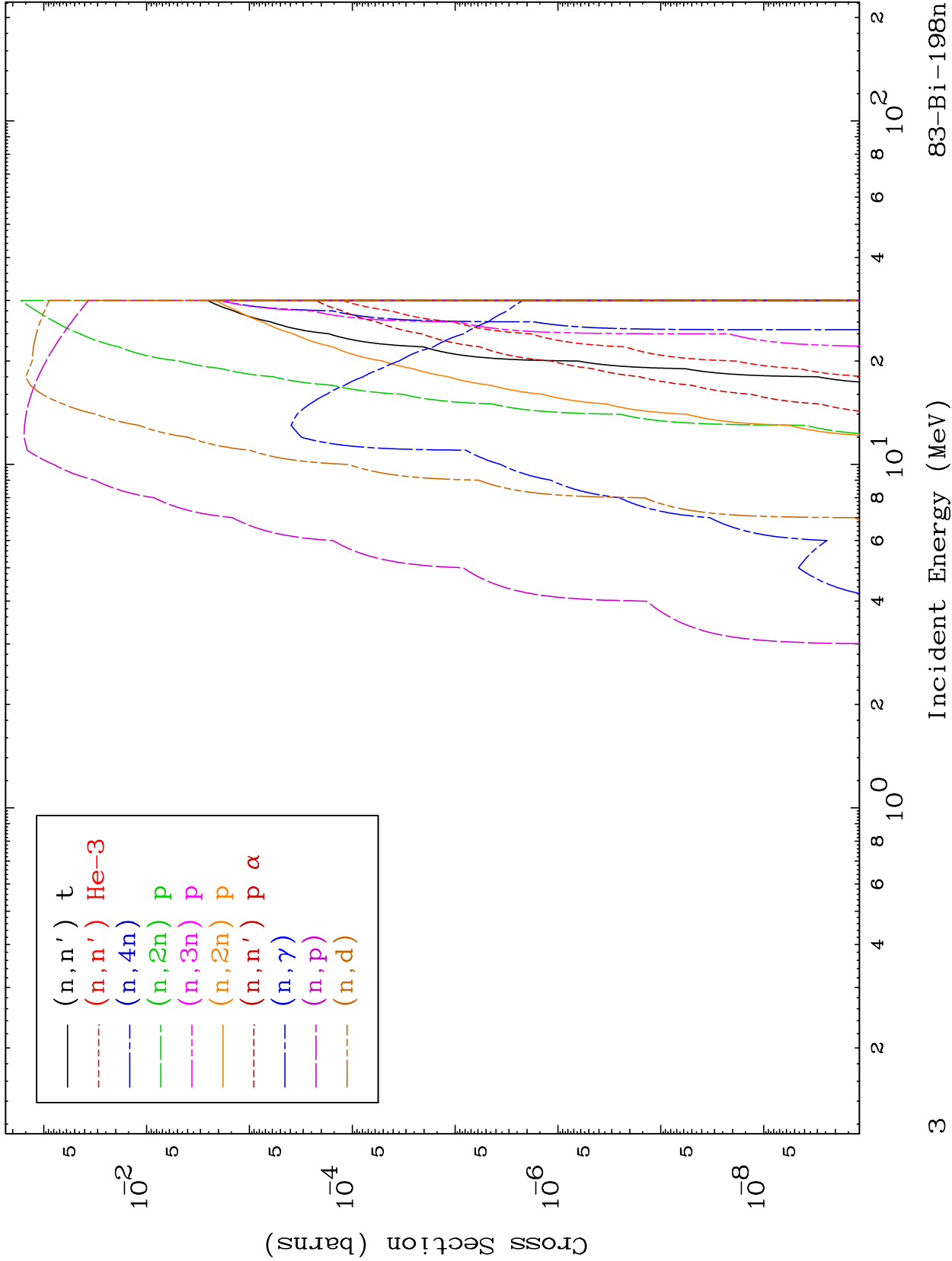
83-Bi-198n



MAT 8294

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

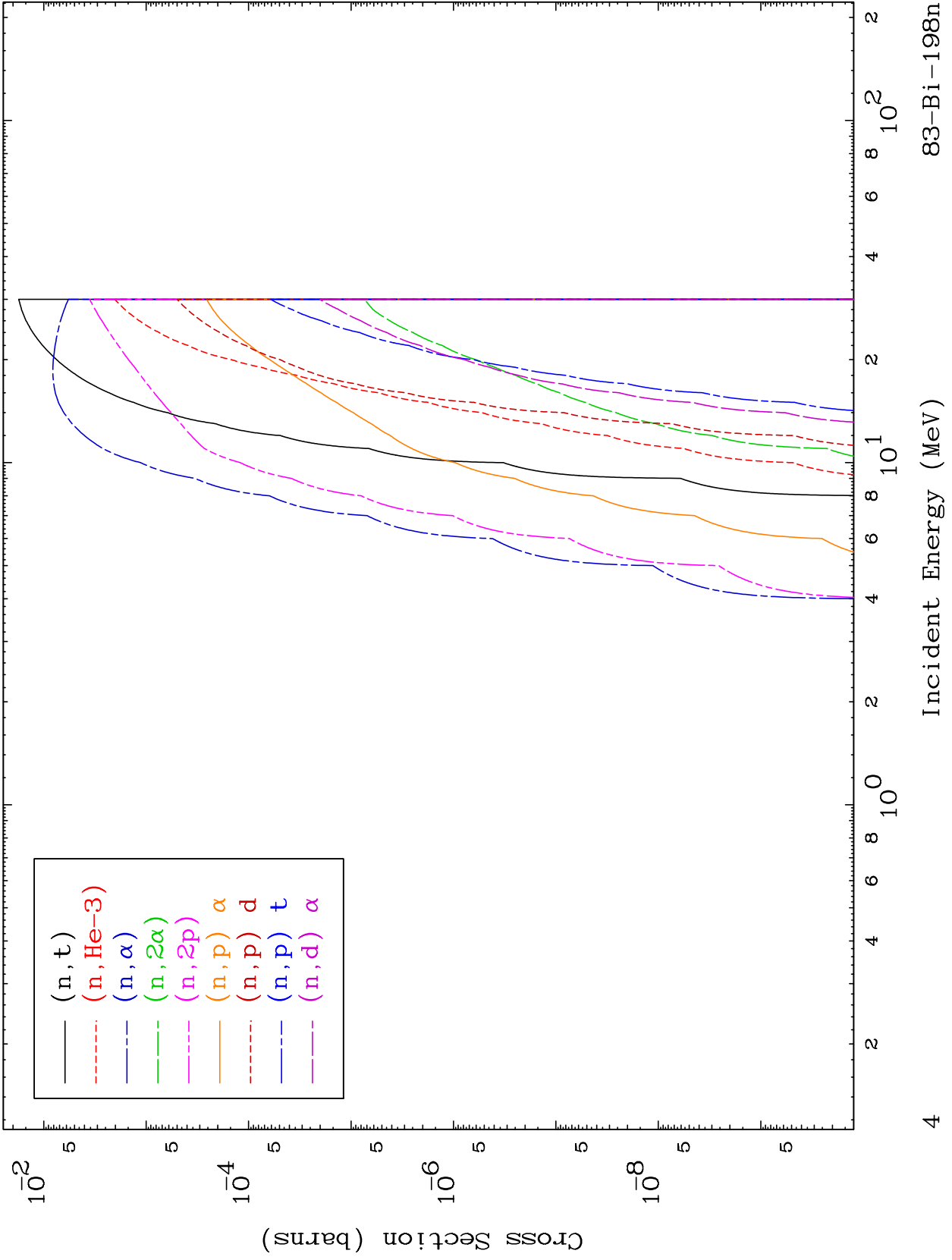
83-Bi-198n



MAT 8294

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

83-Bi-198n

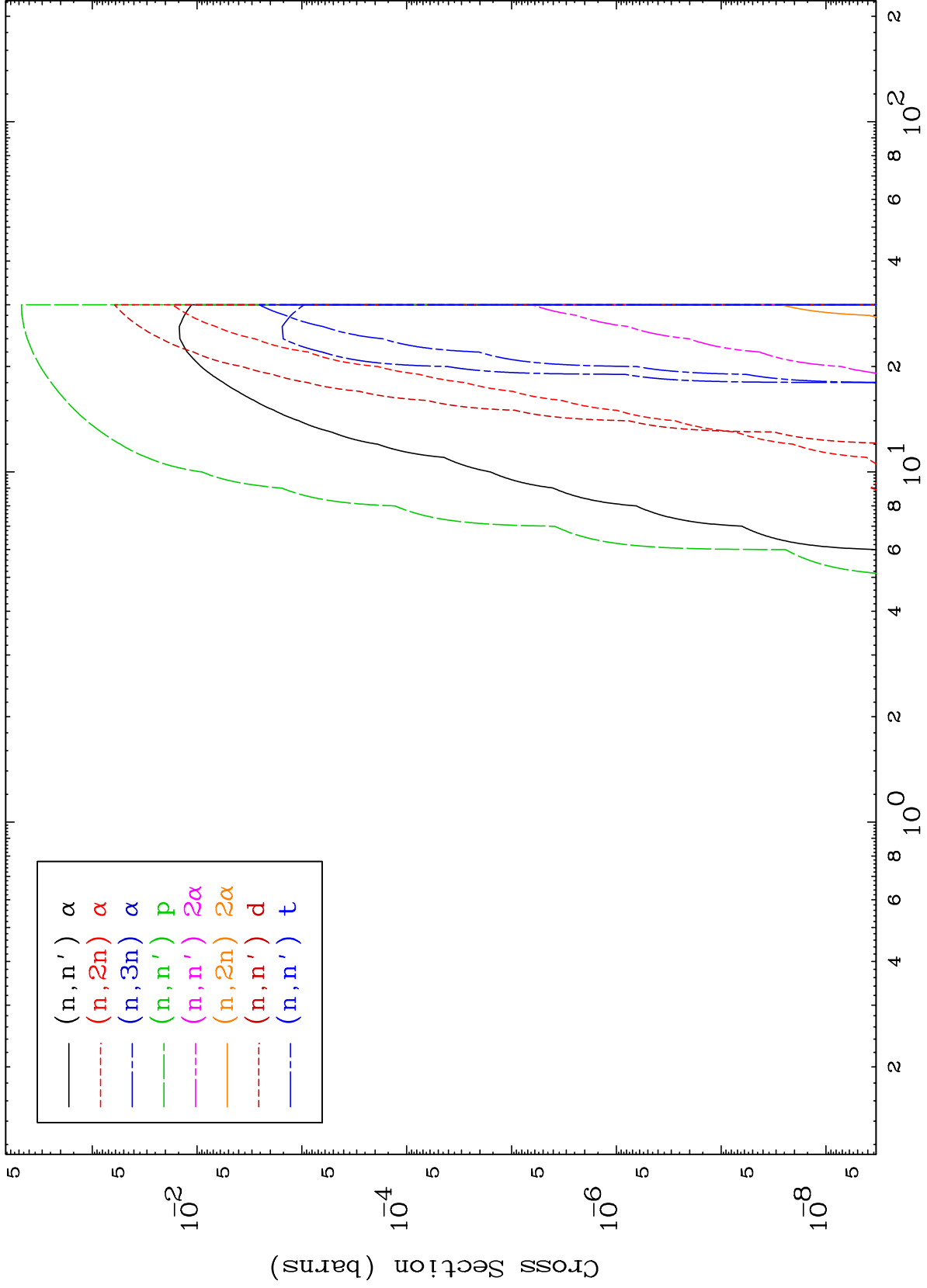


83-Bi-198n

MAT 8294

Deuteron Charged Particle  
0 Kelvin Cross Sections

83-Bi-198n



5

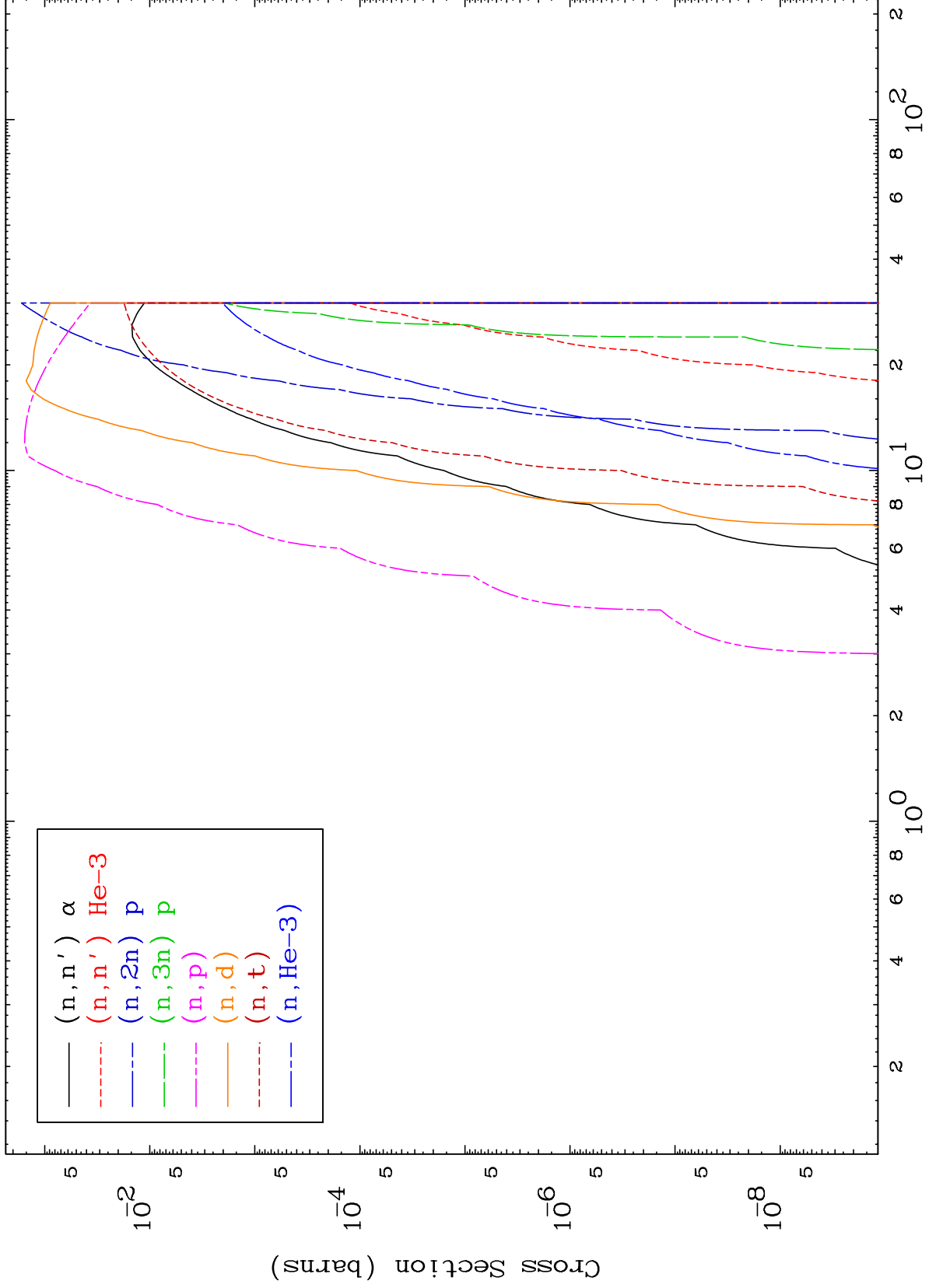
Incident Energy (MeV)

83-Bi-198n

MAT 8294

Deuteron Charged Particle  
0 Kelvin Cross Sections

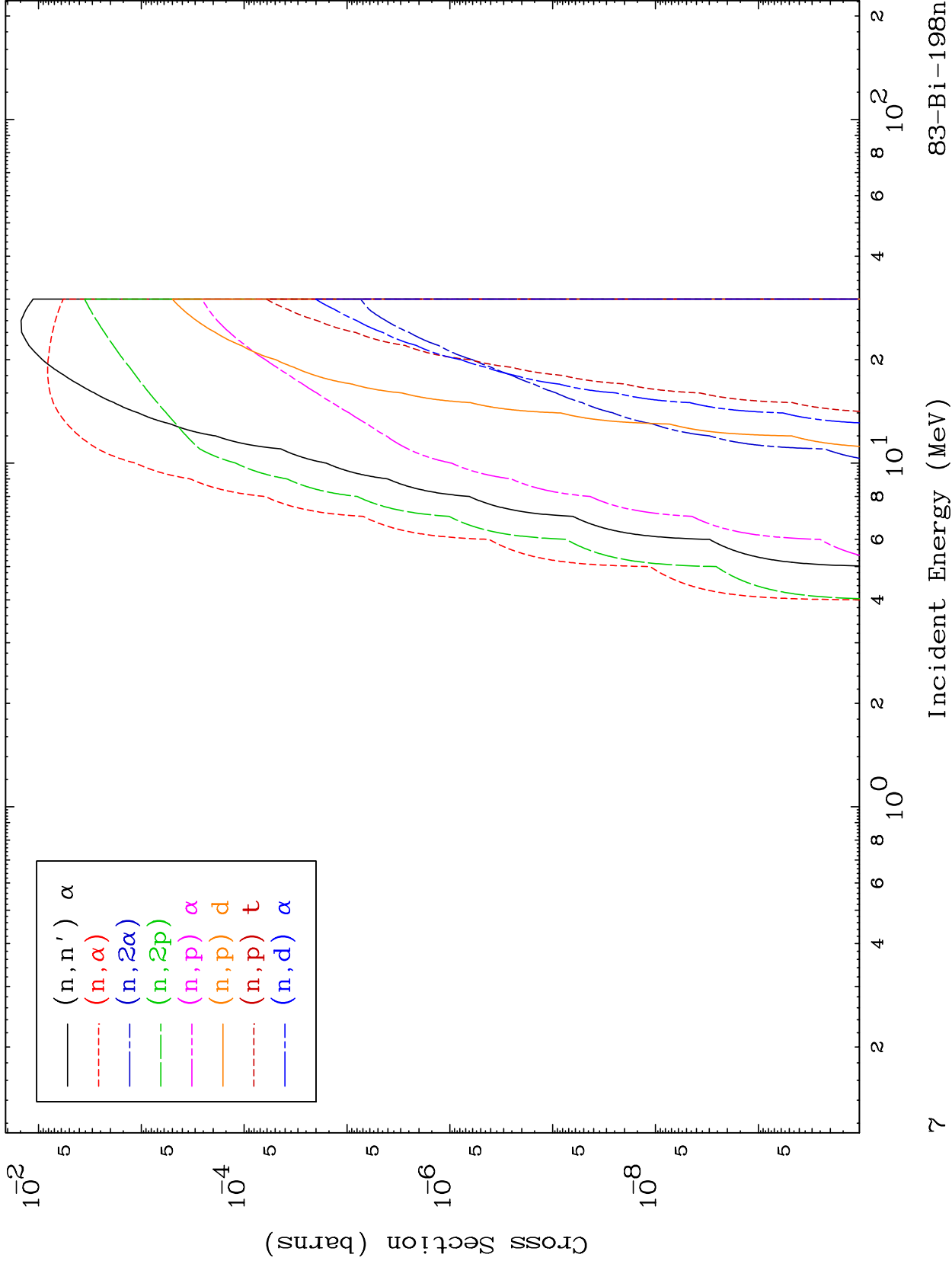
83-Bi-198n



MAT 8294

Deuteron Charged Particle  
0 Kelvin Cross Sections

83-Bi-198n



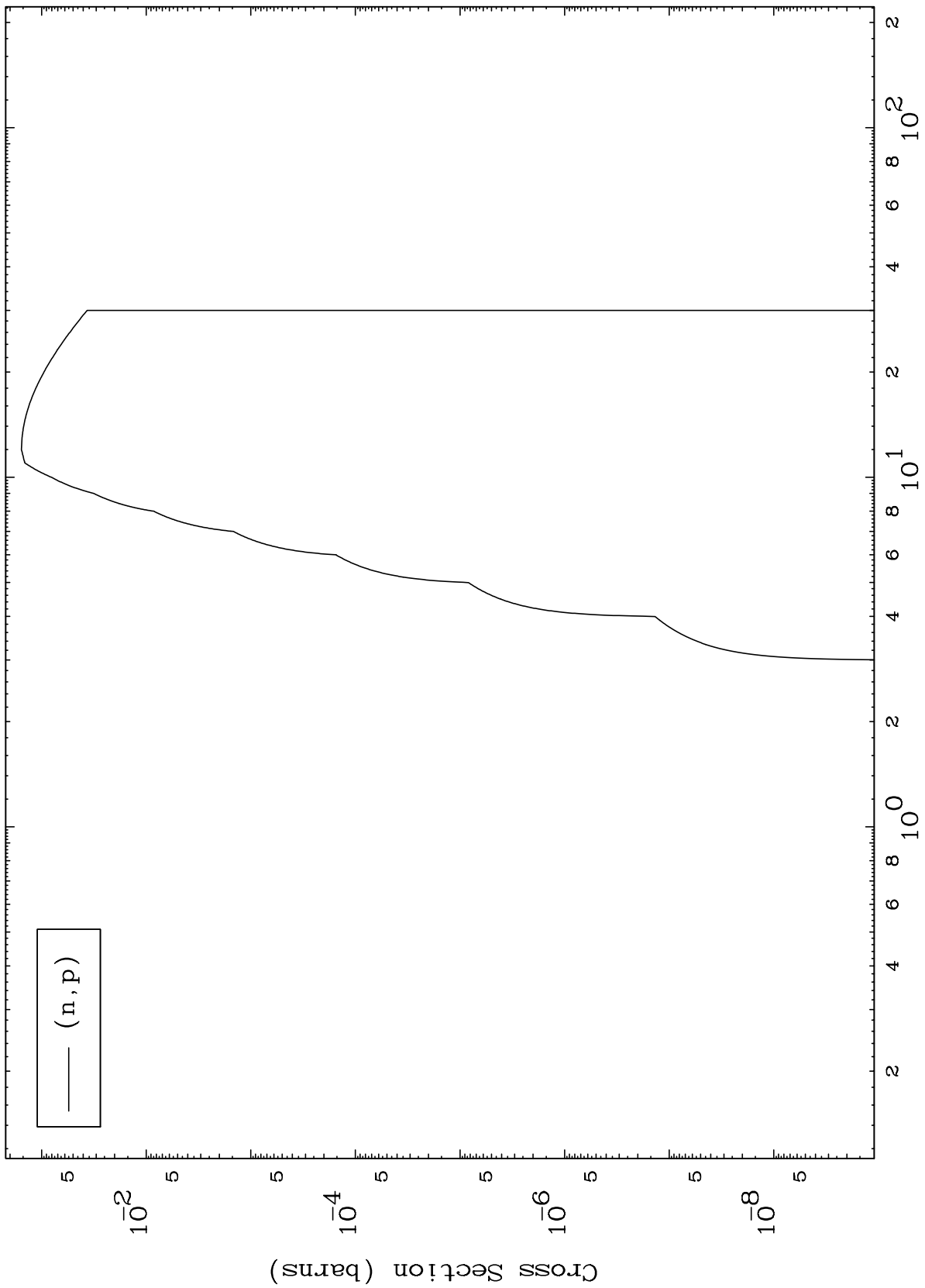


MAT 8294

(d,p) Levels

83-Bi-198n

0 Kelvin Cross Sections



(n,p)

Incident Energy (MeV)

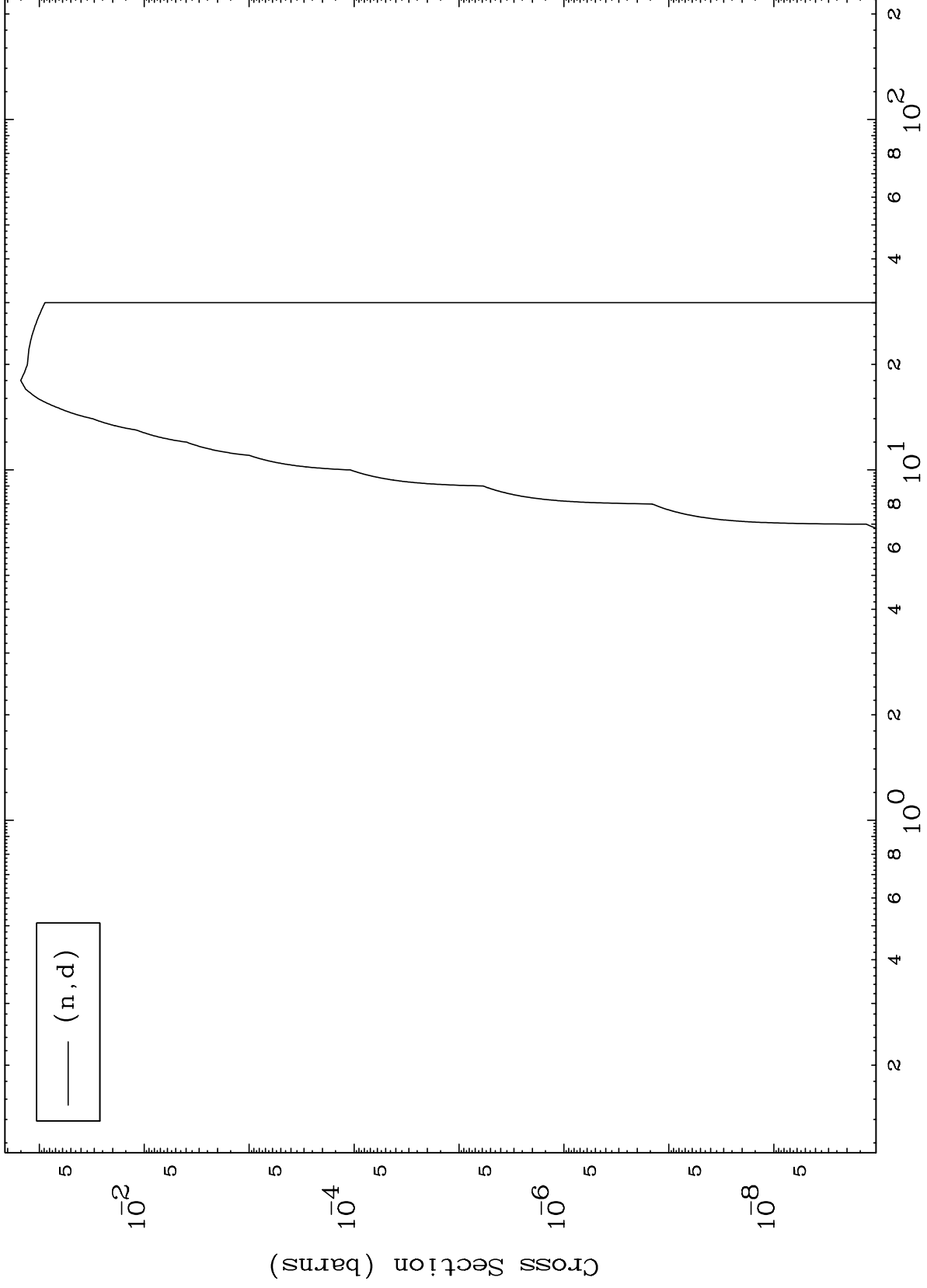
83-Bi-198n

MAT 8294

(d,d) Levels

<sup>83</sup>Bi-198n

0 Kelvin Cross Sections

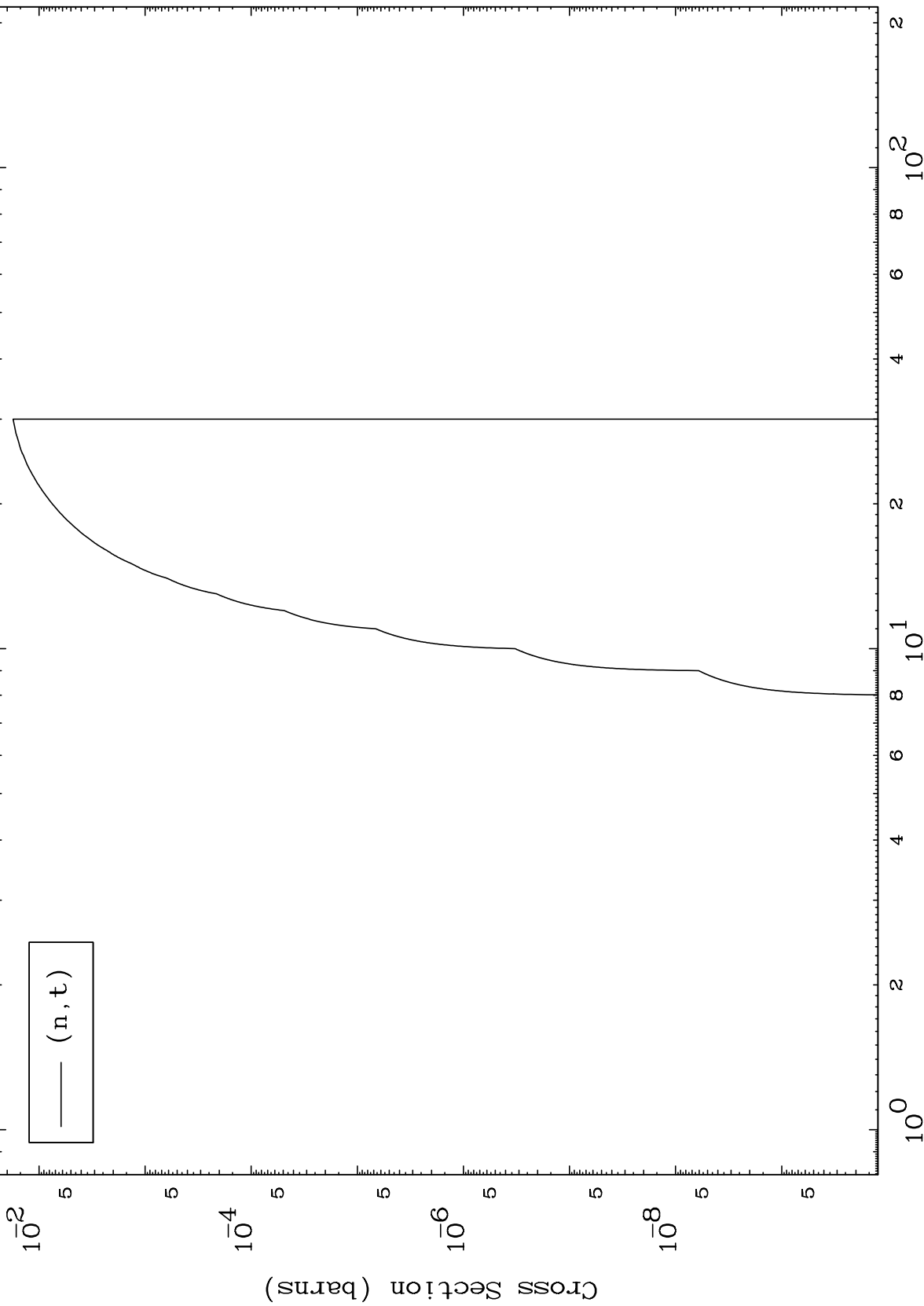


MAT 8294

(d,t) Levels

83-Bi-198n

0 Kelvin Cross Sections



Incident Energy (MeV)

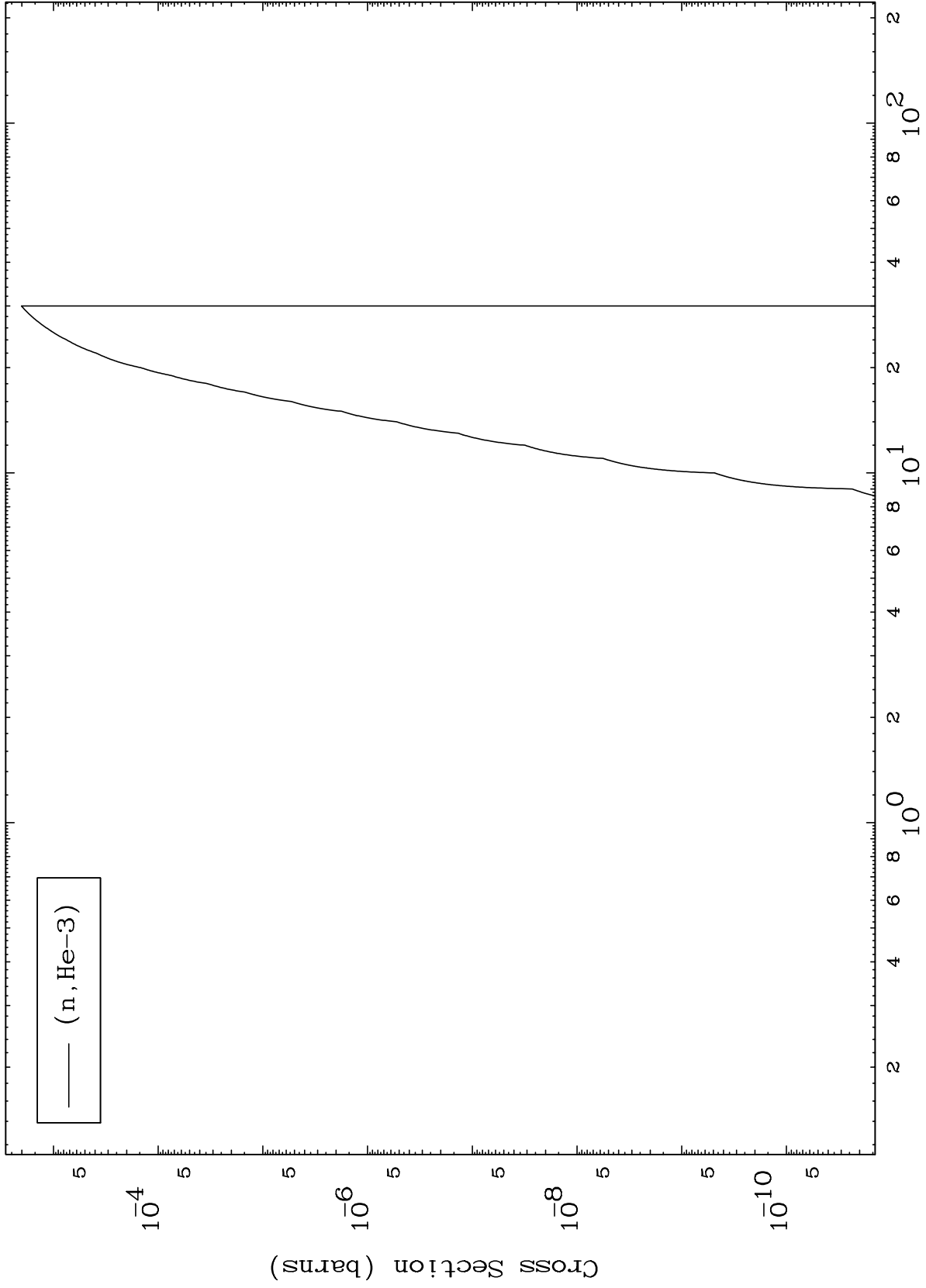
83-Bi-198n

MAT 8294

(d,He3) Levels

83-Bi-198n

0 Kelvin Cross Sections

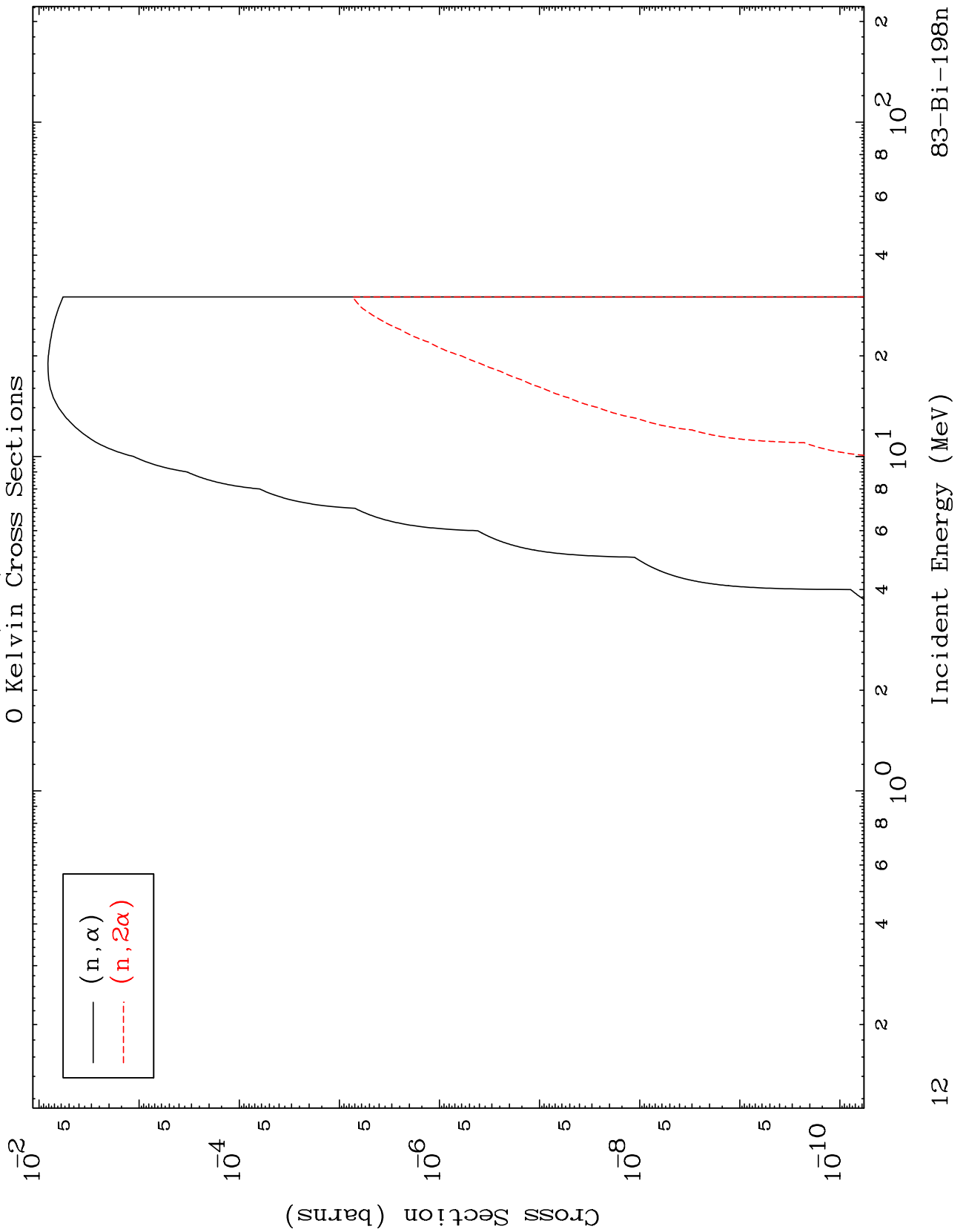


(n, He-3)

MAT 8294

(d,  $\alpha$ ) Levels

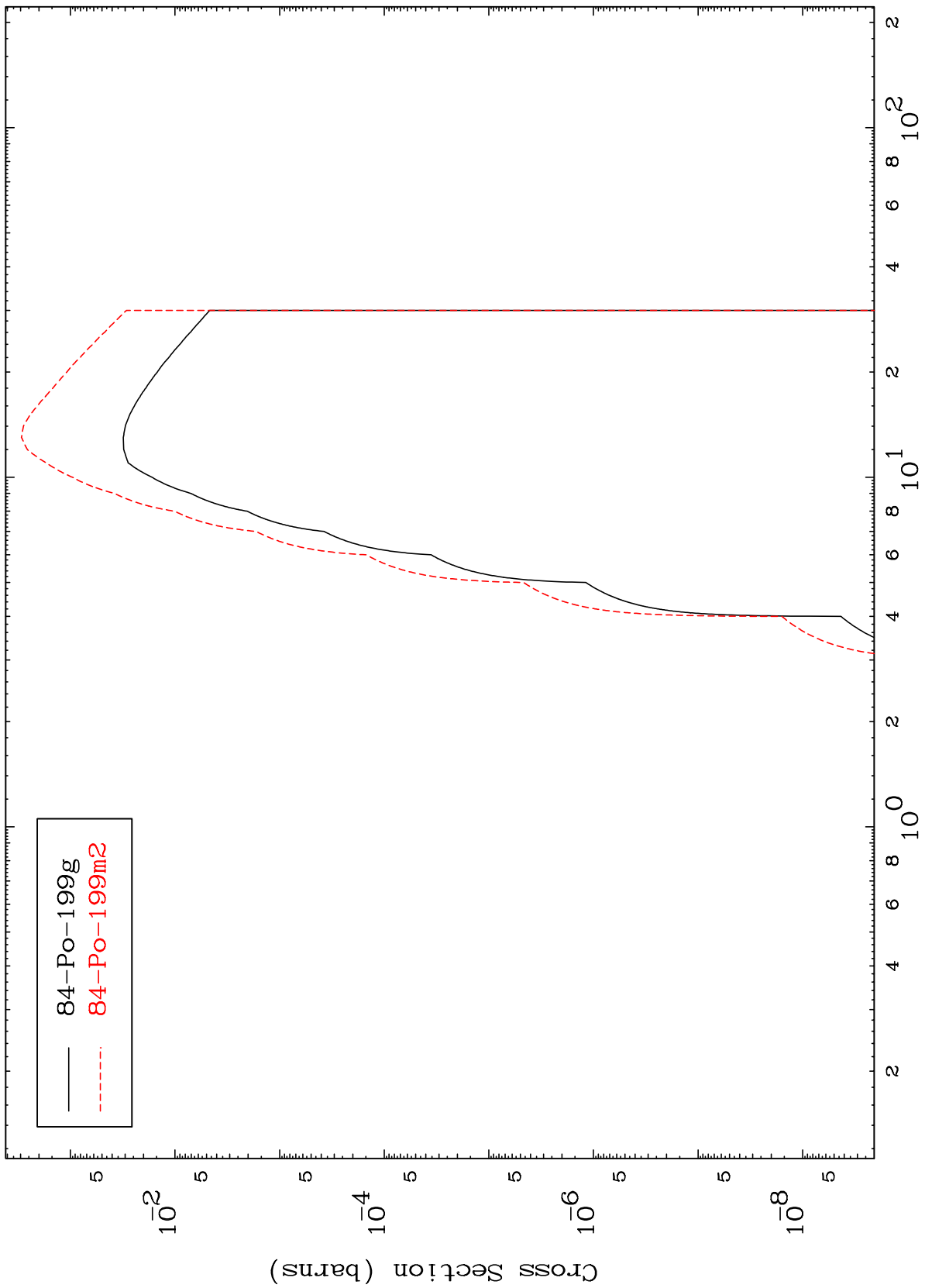
$^{83}\text{Bi}-198\text{n}$



MAT 8294

83-Bi-198n

Inelastic  
Radionuclide Production Cross Section



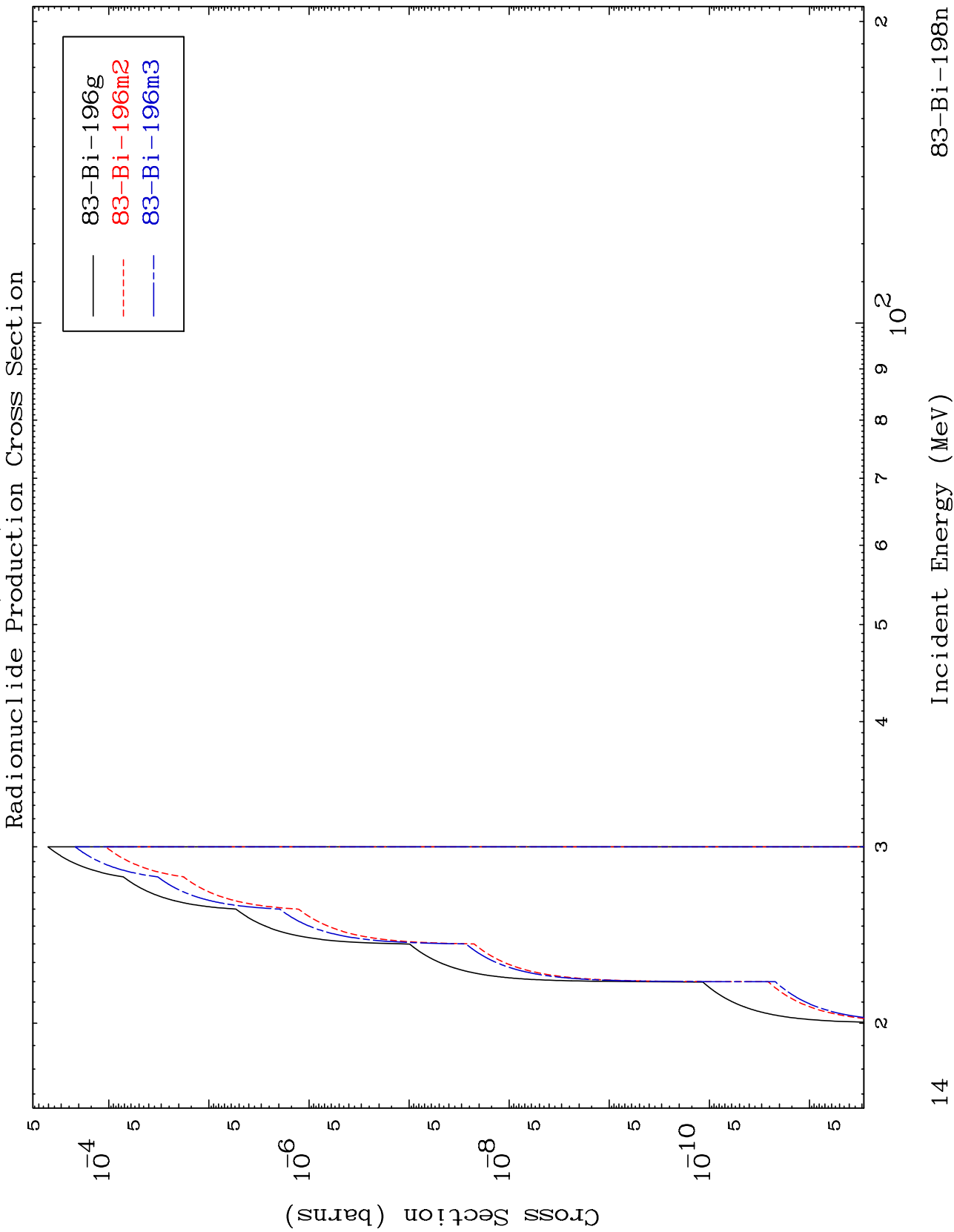
83-Bi-198n

Incident Energy (MeV)

MAT 8294

(n,2n) d

83-Bi-198n



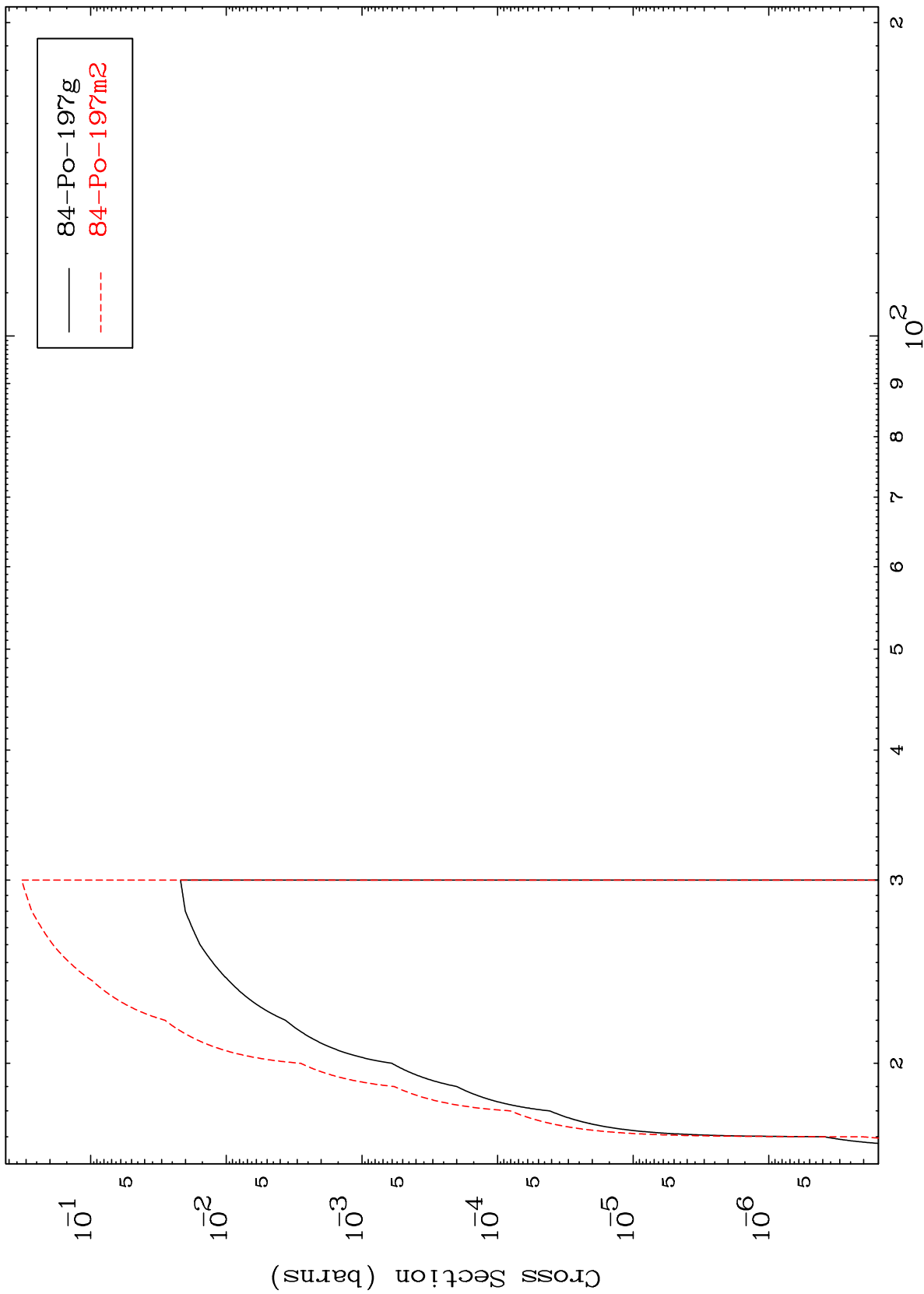
14

83-Bi-198n

MAT 8294

83-Bi-198n

(n,3n)  
Radionuclide Production Cross Section



15

Incident Energy (MeV)

83-Bi-198n

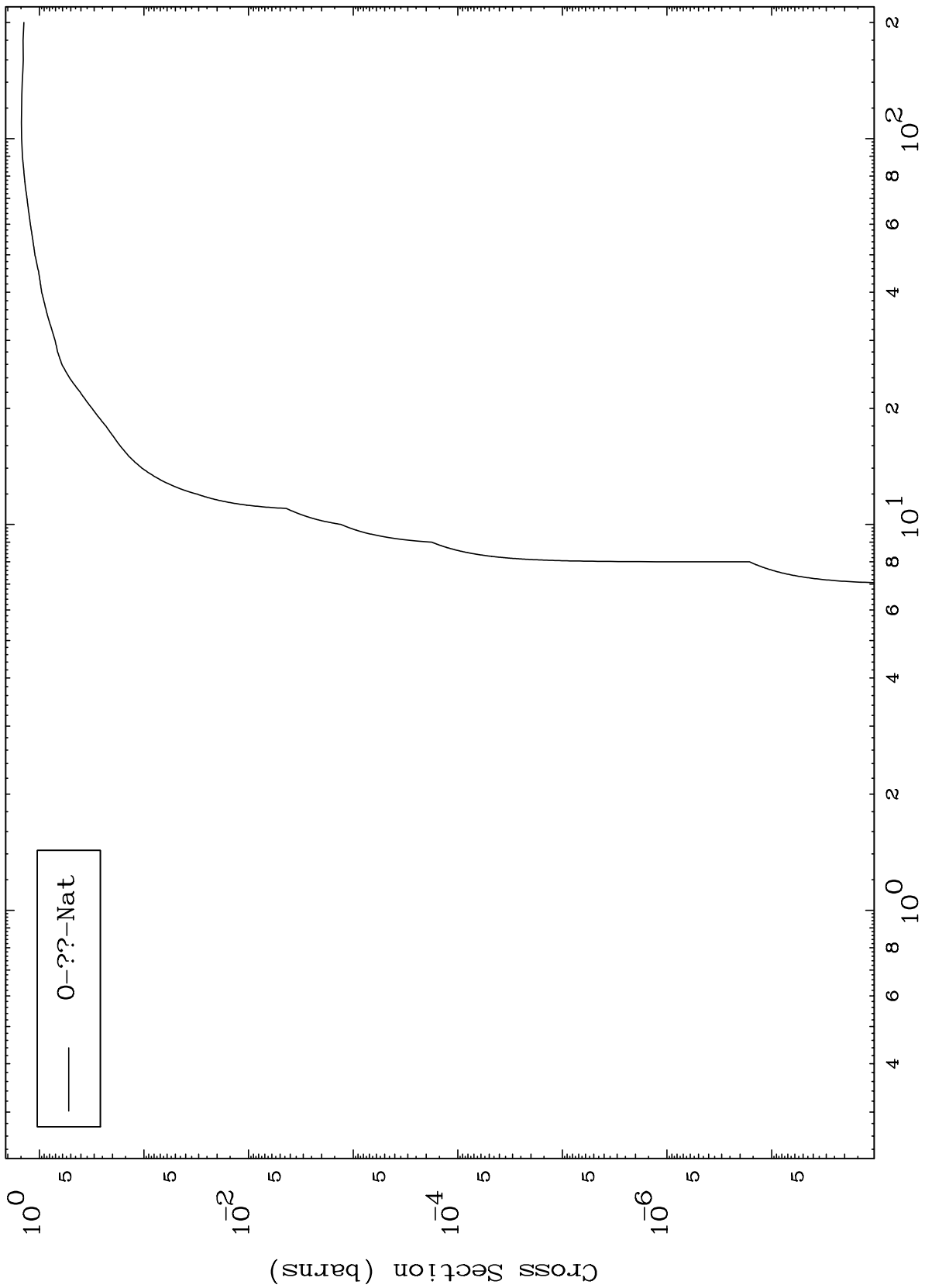


MAT 8294

83-Bi-198n

Fission

Radionuclide Production Cross Section



0-??-Nat

83-Bi-198n

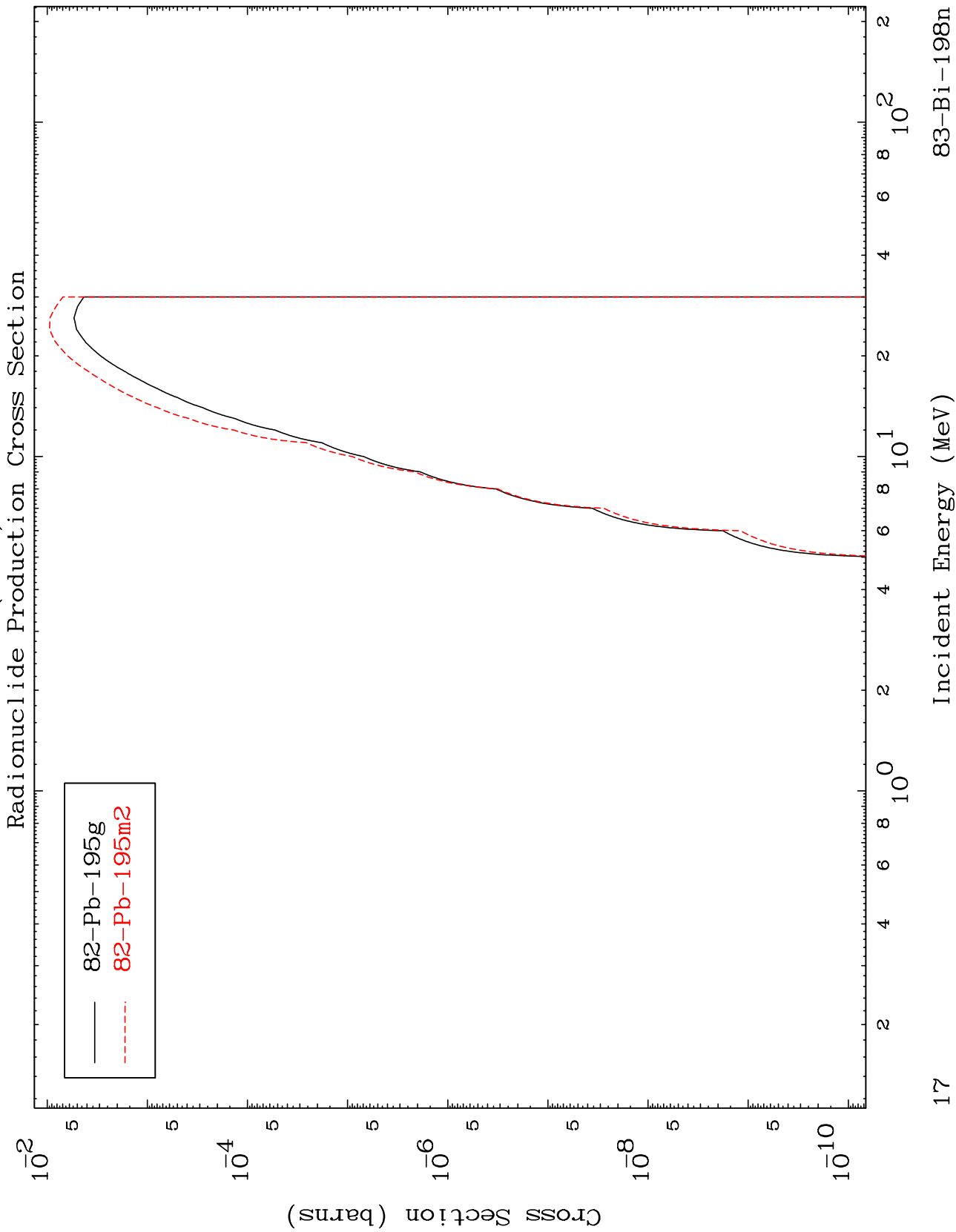
Incident Energy (MeV)

16

MAT 8294

$(n, n') \alpha$

83-Bi-198n

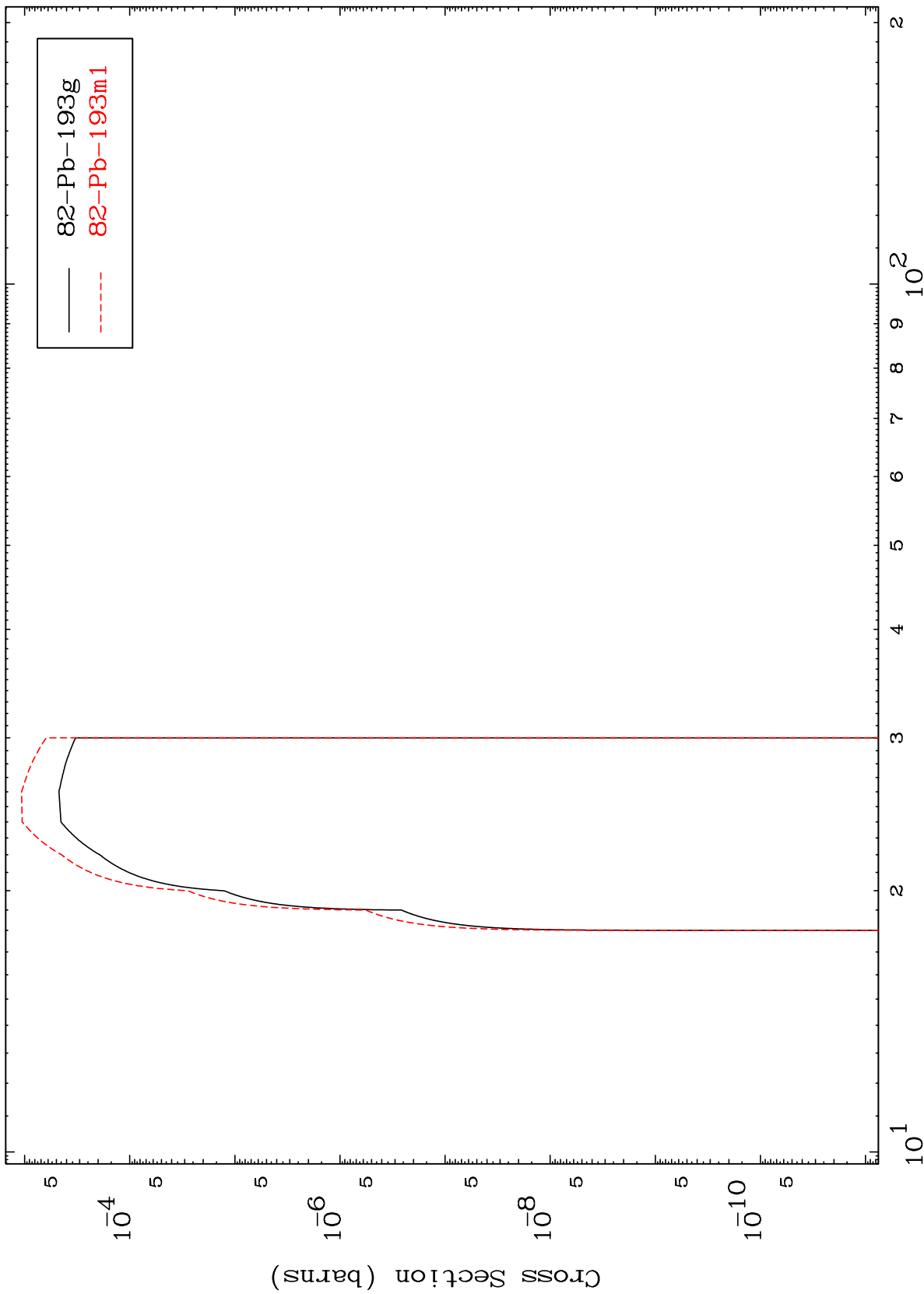


MAT 8294

$(n,3n) \alpha$

83-Bi-198n

Radionuclide Production Cross Section



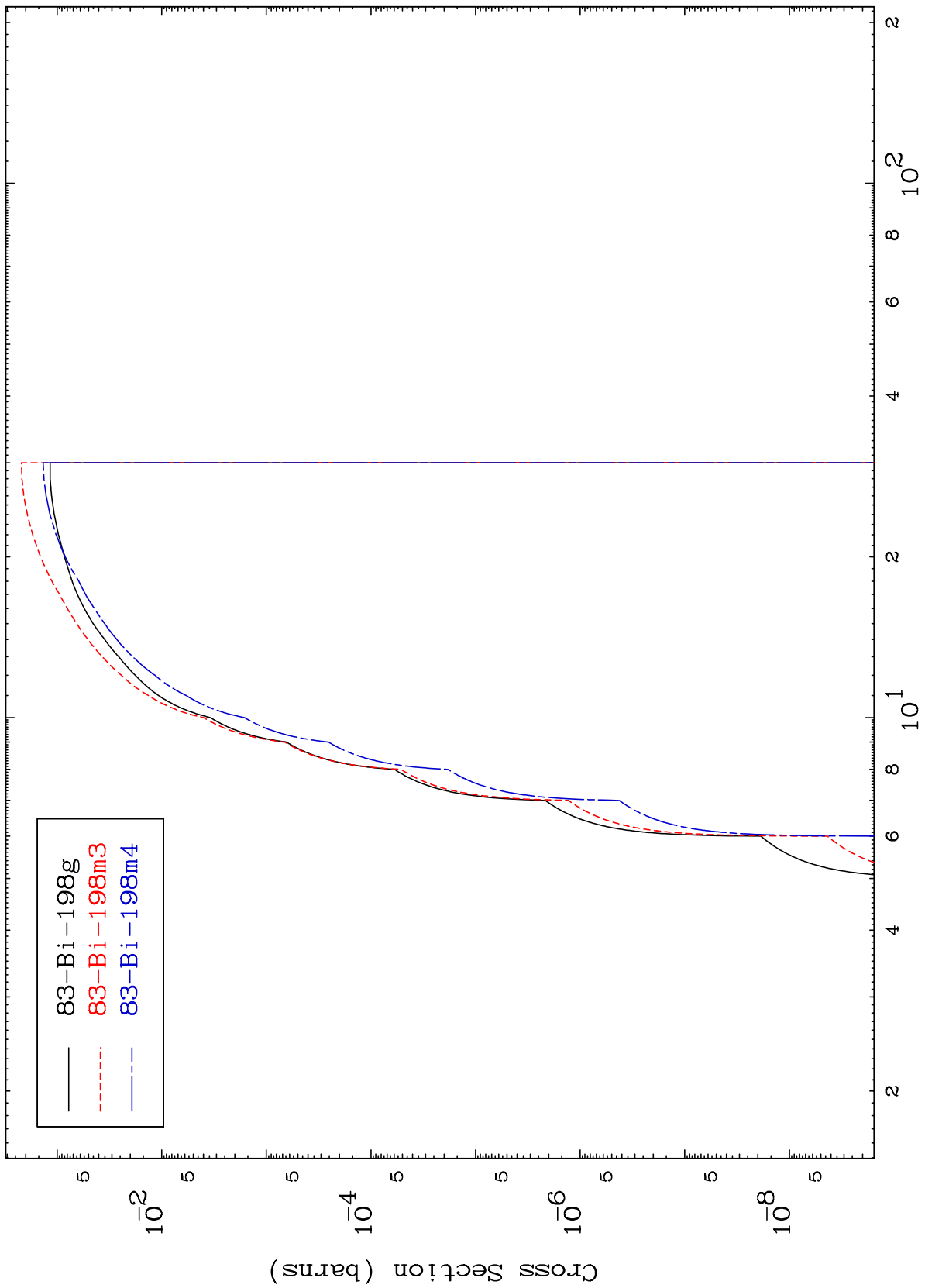
Incident Energy (MeV)

83-Bi-198n

MAT 8294

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

$(n, n') p$   
Radionuclide Production Cross Section

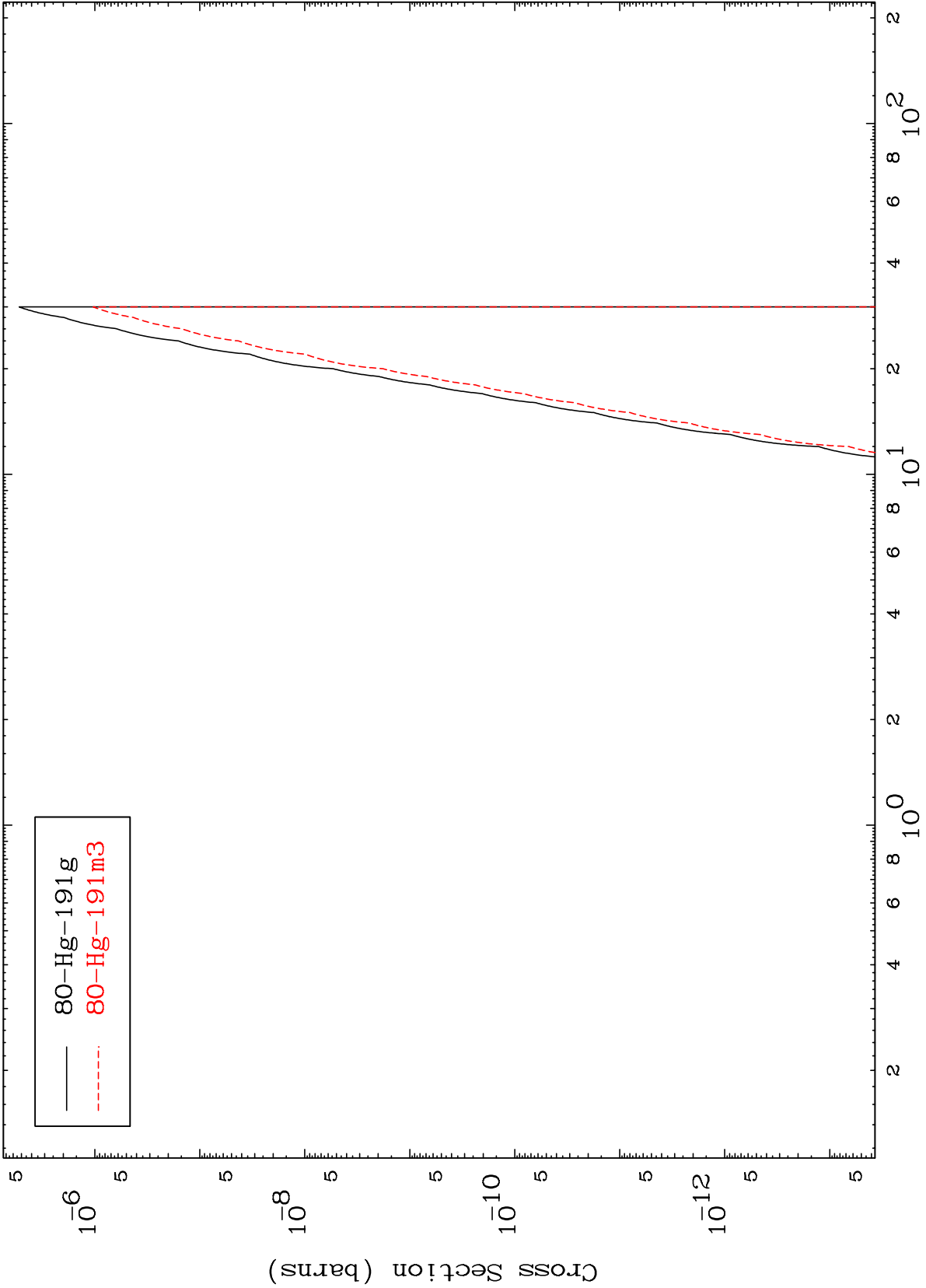


MAT 8294

(n,n') 2α

83-Bi-198n

Radionuclide Production Cross Section



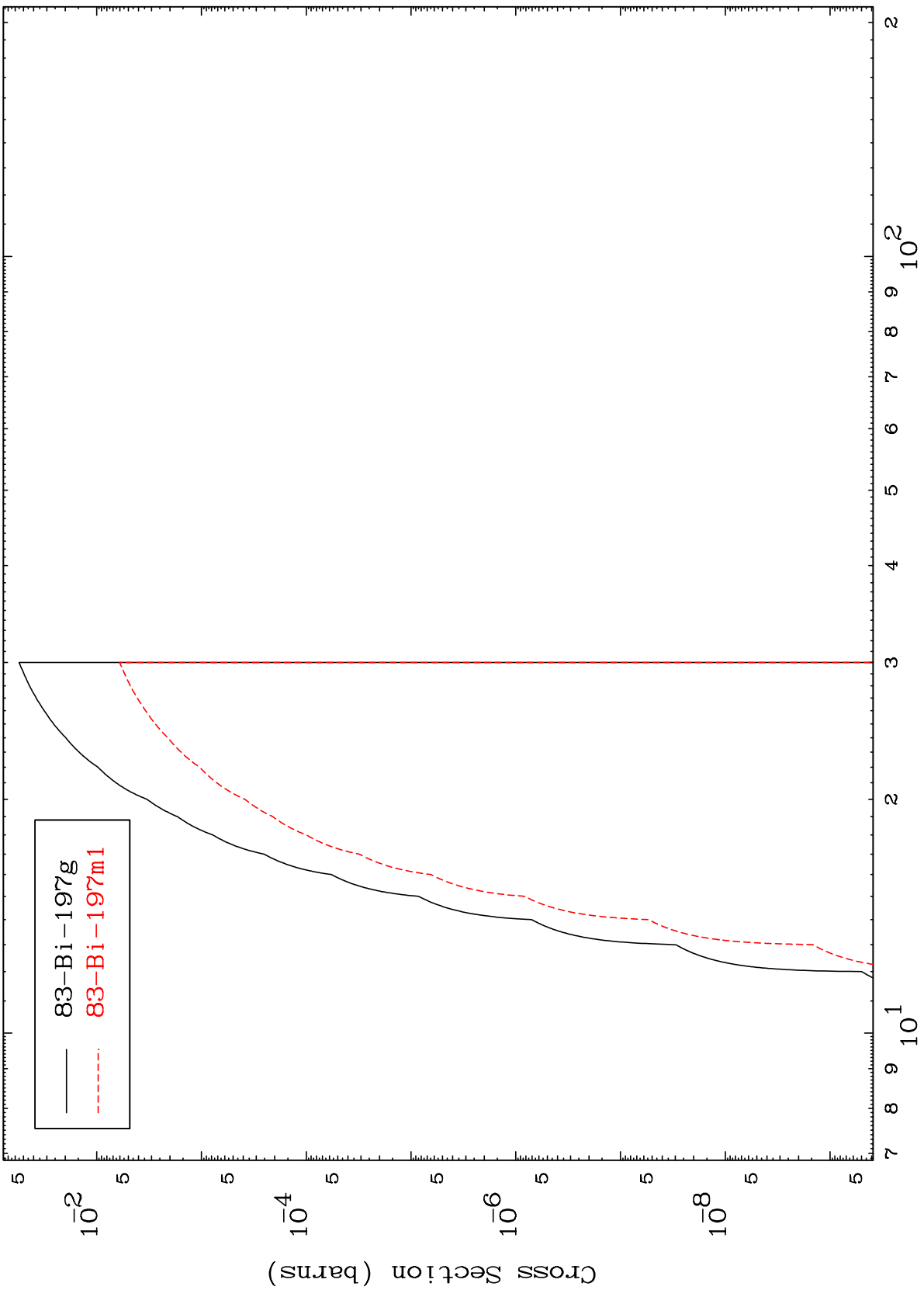
80-Hg-191g  
80-Hg-191m3

MAT 8294

(n,n') d

83-Bi-198n

Radionuclide Production Cross Section



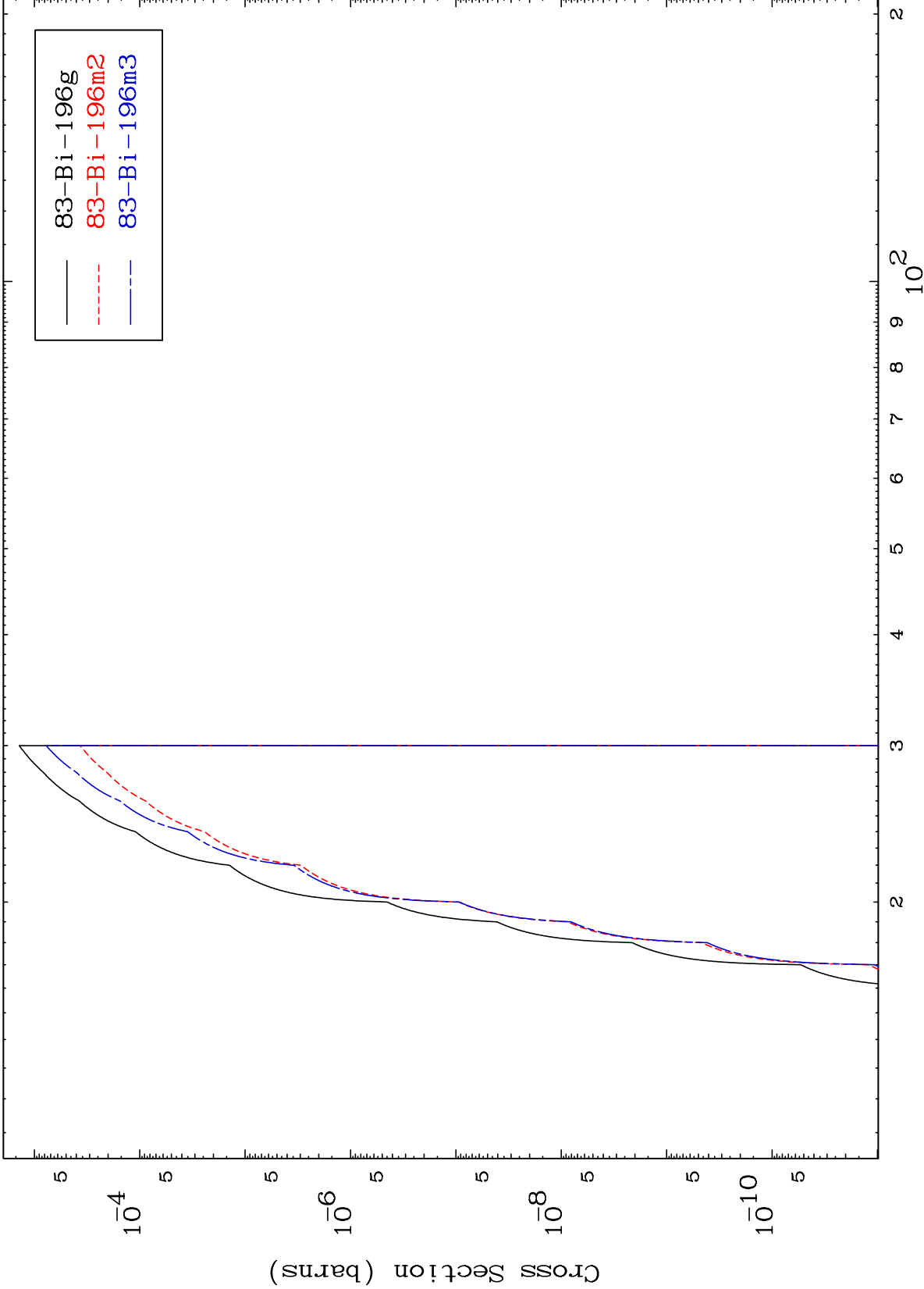
83-Bi-197g  
83-Bi-197m1

MAT 8294

(n,n') t

83-Bi-198n

Radionuclide Production Cross Section



22

Incident Energy (MeV)

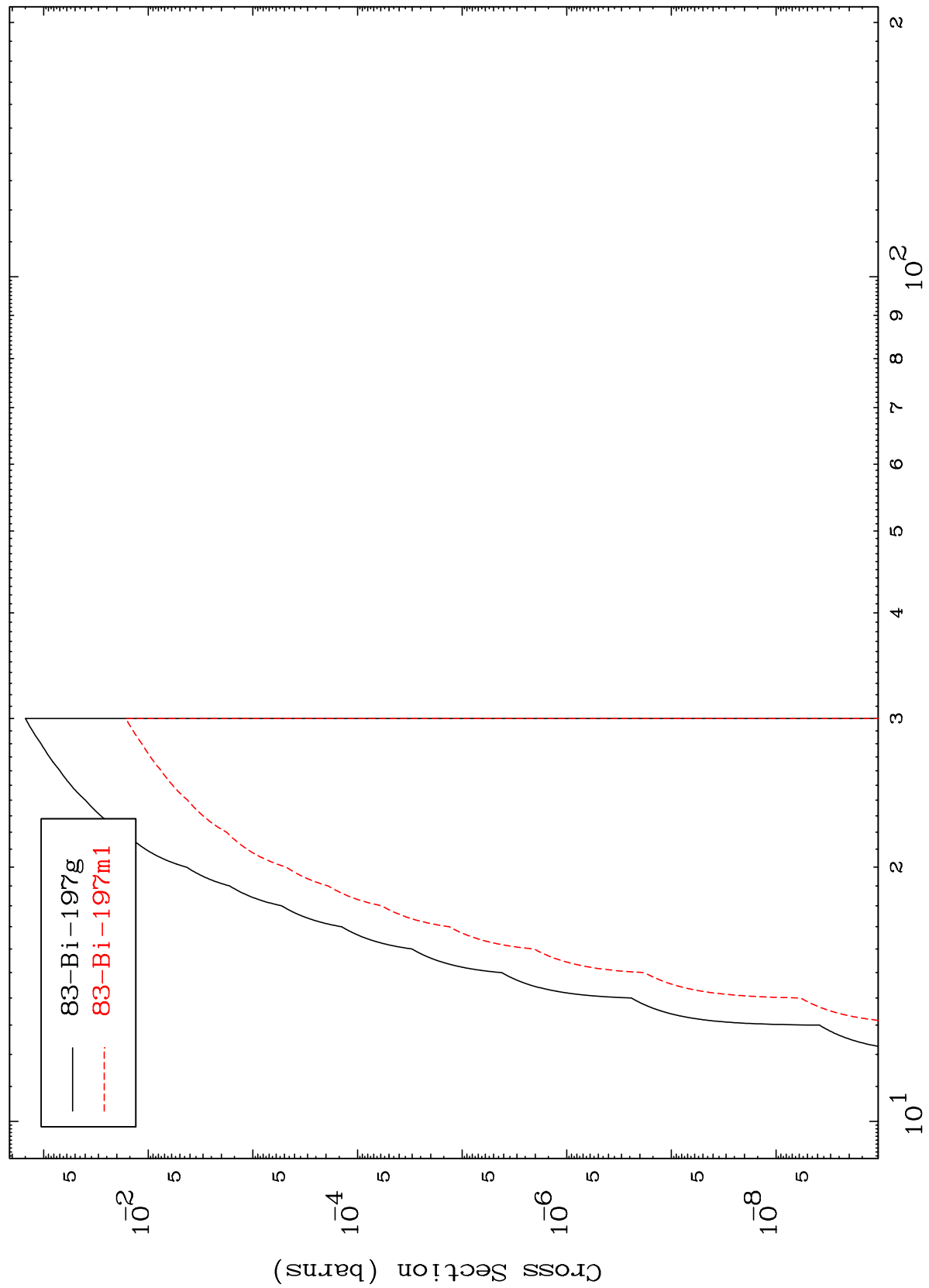
83-Bi-198n

MAT 8294

(n,2n) p

83-Bi-198n

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-198n

23

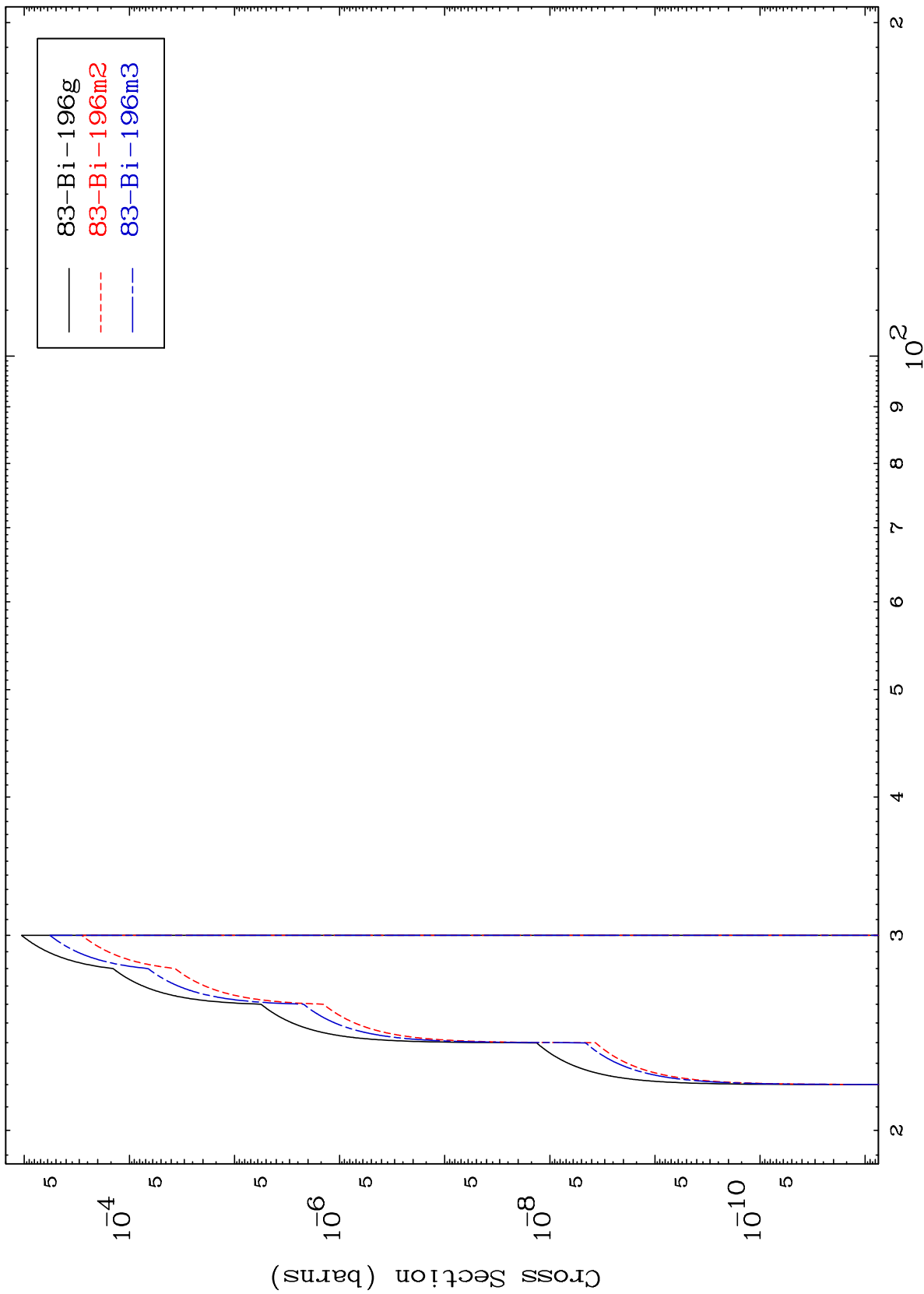


MAT 8294

(n,3n) p

83-Bi-198n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

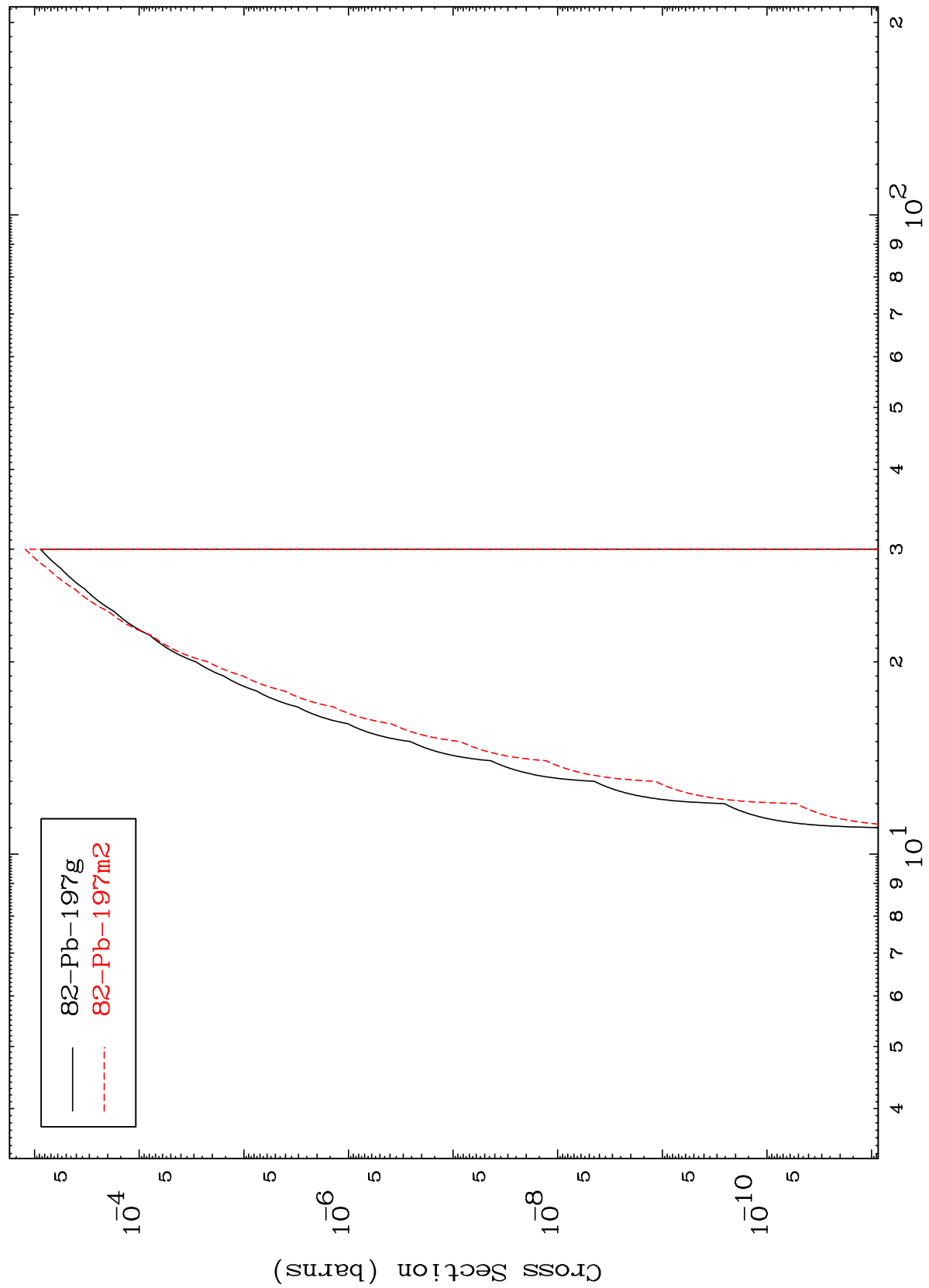
83-Bi-198n

MAT 8294

(n,2n) p

83-Bi-198n

Radionuclide Production Cross Section



25

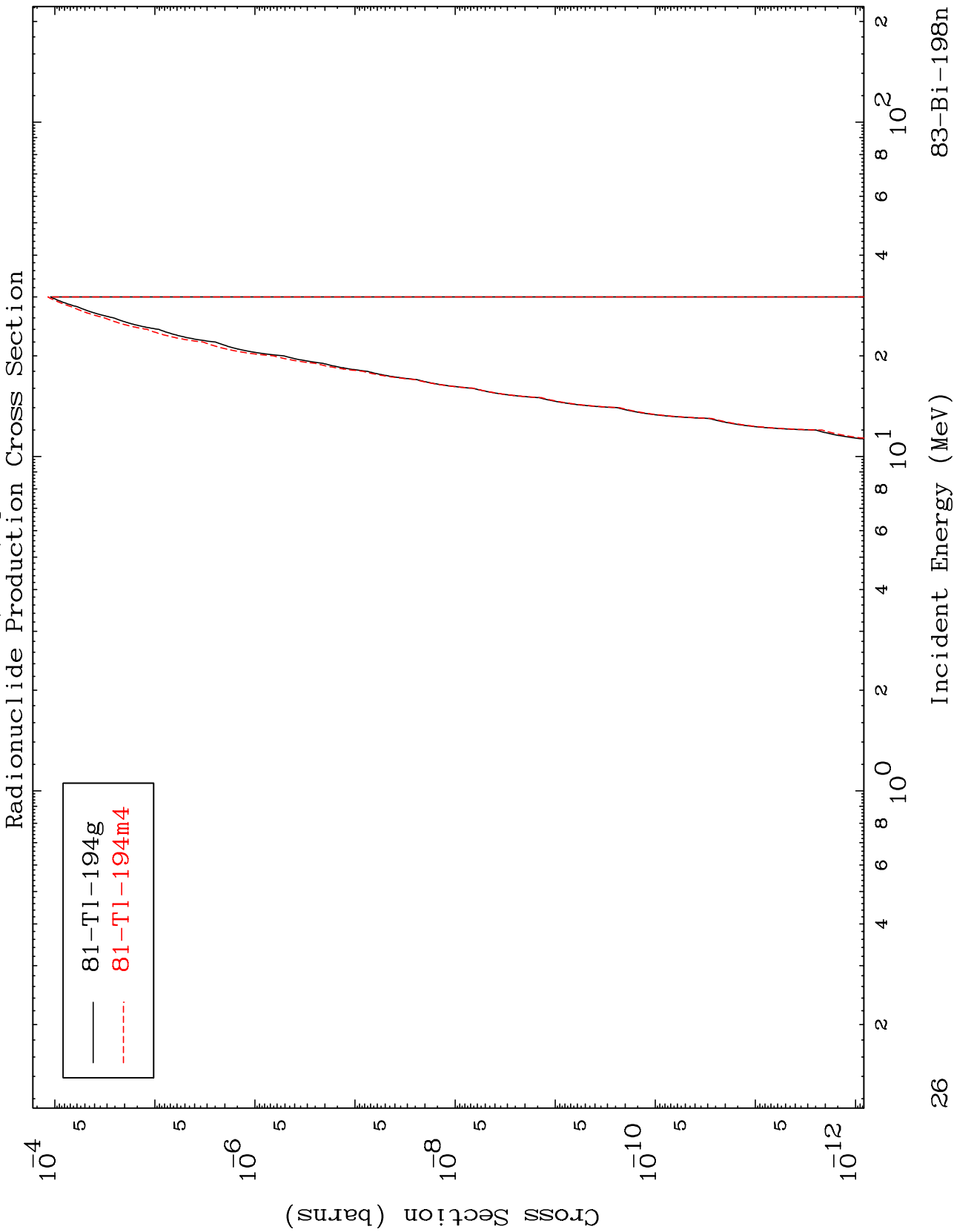
Incident Energy (MeV)

83-Bi-198n

MAT 8294

(n,n') p  $\alpha$

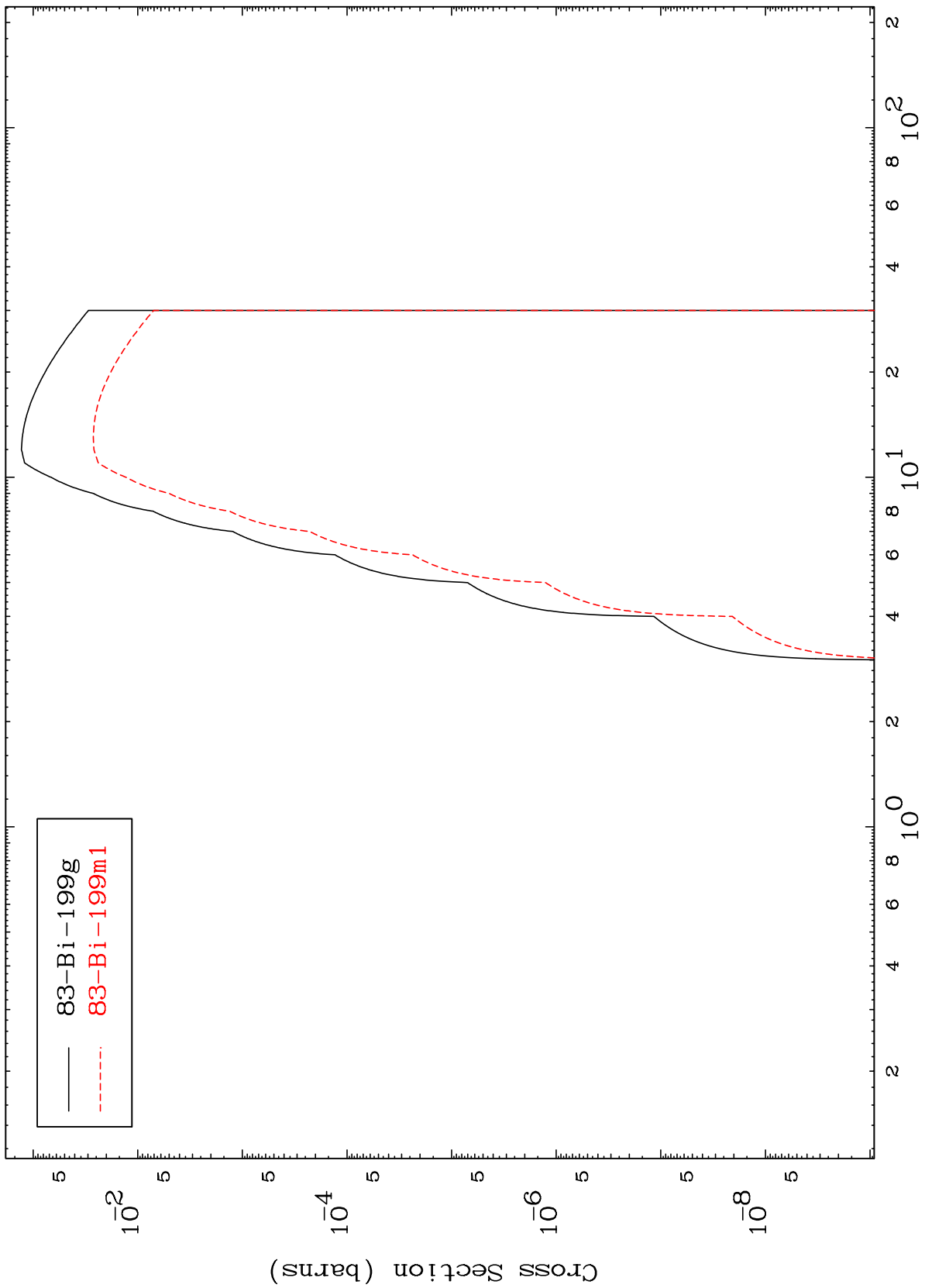
83-Bi-198n



MAT 8294

<sup>83</sup>Bi-198n

(n,p)  
Radionuclide Production Cross Section



<sup>83</sup>Bi-198n

Incident Energy (MeV)

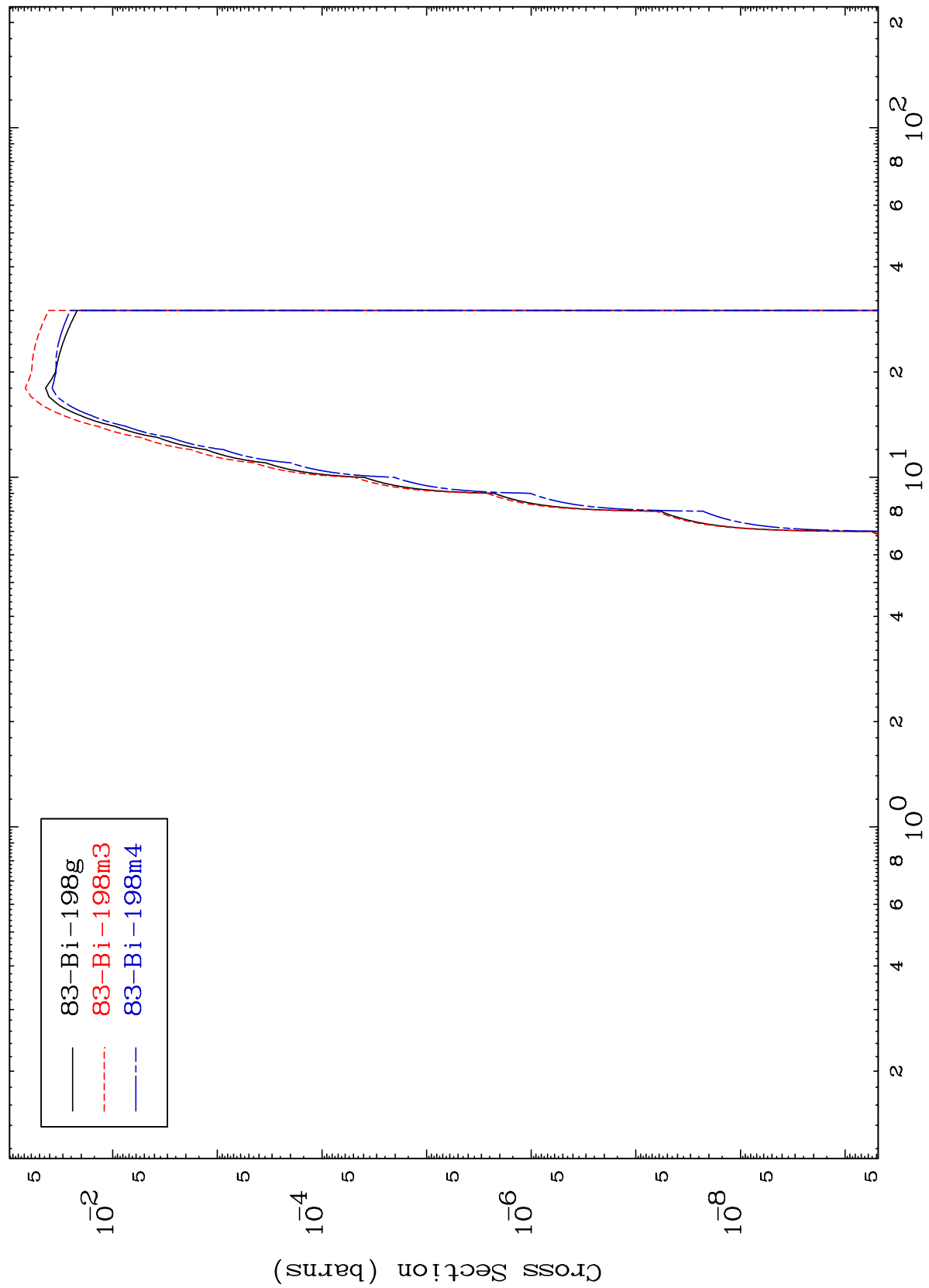
27

MAT 8294

(n,d)

<sup>83</sup>Bi-198n

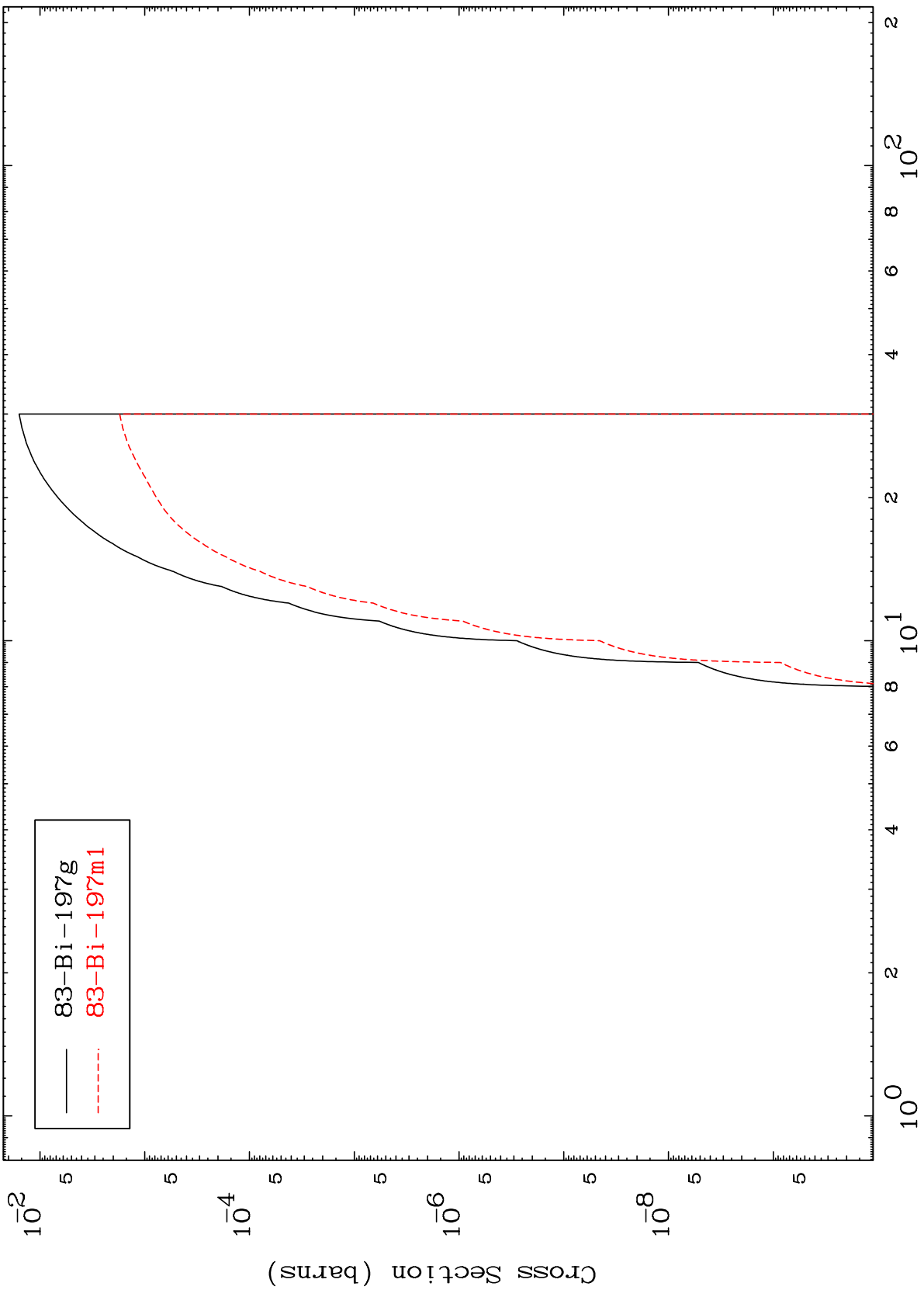
Radionuclide Production Cross Section



MAT 8294

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

Radionuclide Production Cross Section (n,t)



—  $^{83}\text{Bi}-197\text{g}$   
- - -  $^{83}\text{Bi}-197\text{m1}$

29

Incident Energy (MeV)

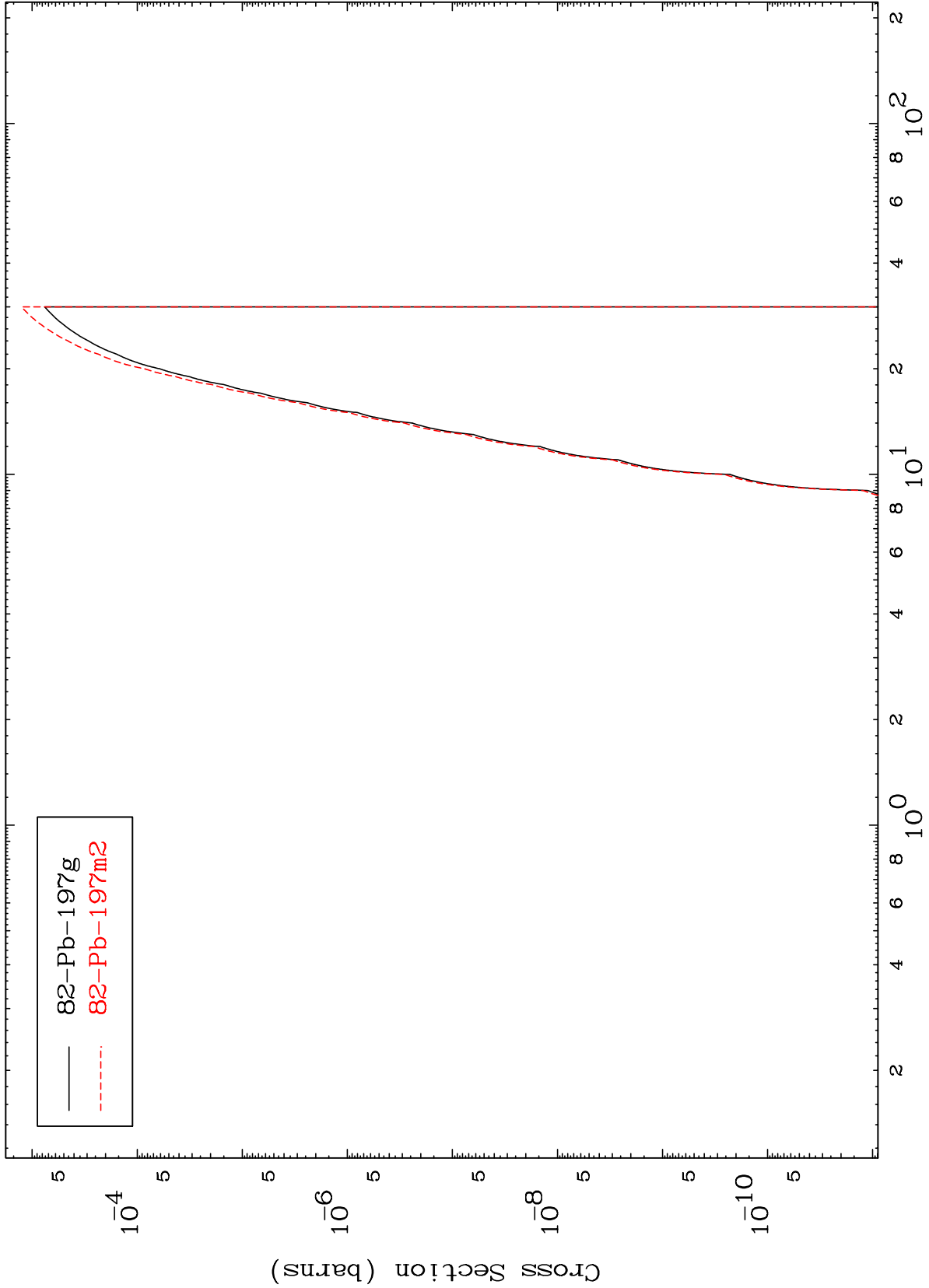
$^{83}\text{Bi}-198\text{n}$

MAT 8294

(n,He-3)

83-Bi-198n

Radionuclide Production Cross Section

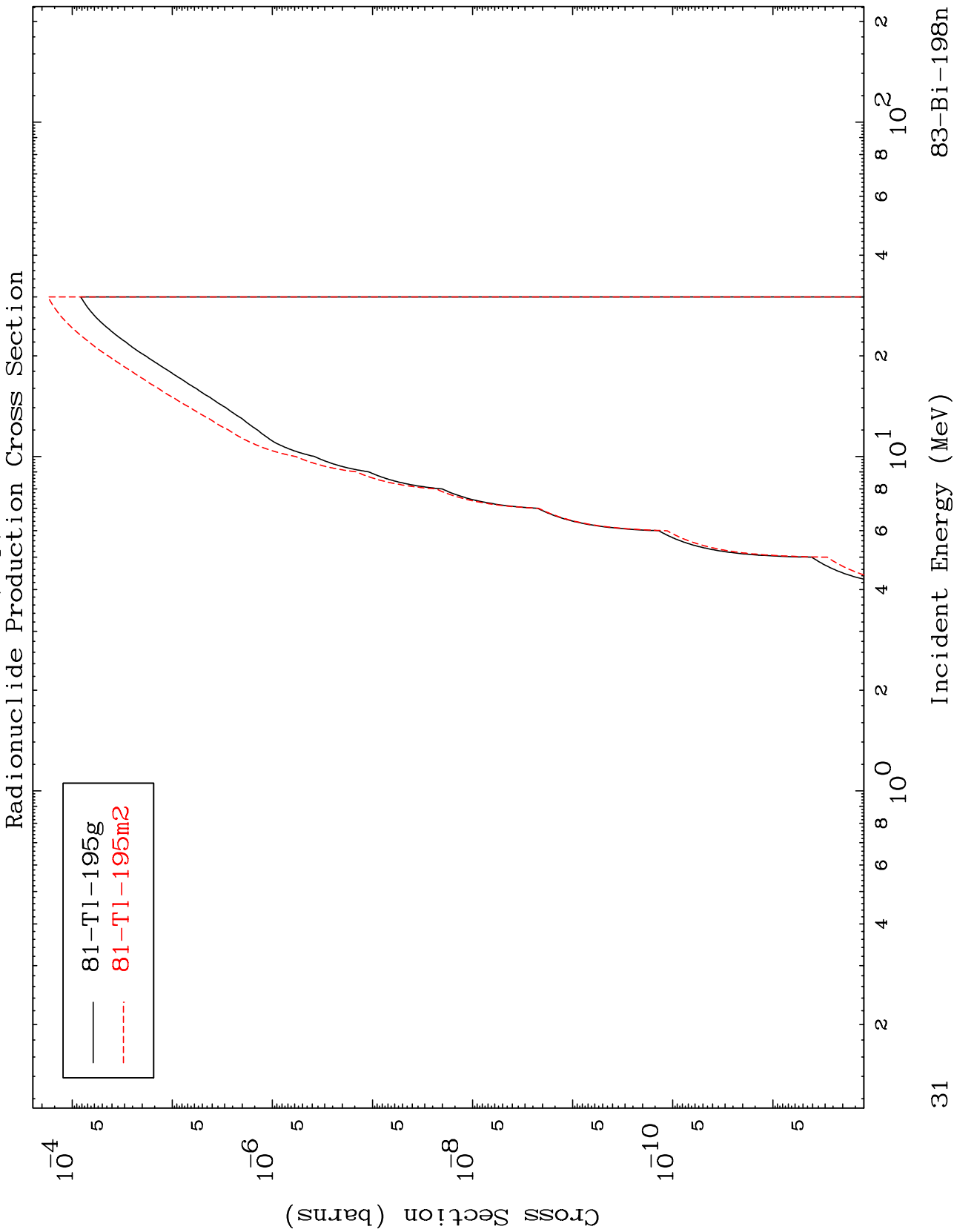


— 82-Pb-197g  
- - - 82-Pb-197m2

MAT 8294

(n,p)  $\alpha$

83-Bi-198n



81-Tl-195g  
81-Tl-195m2

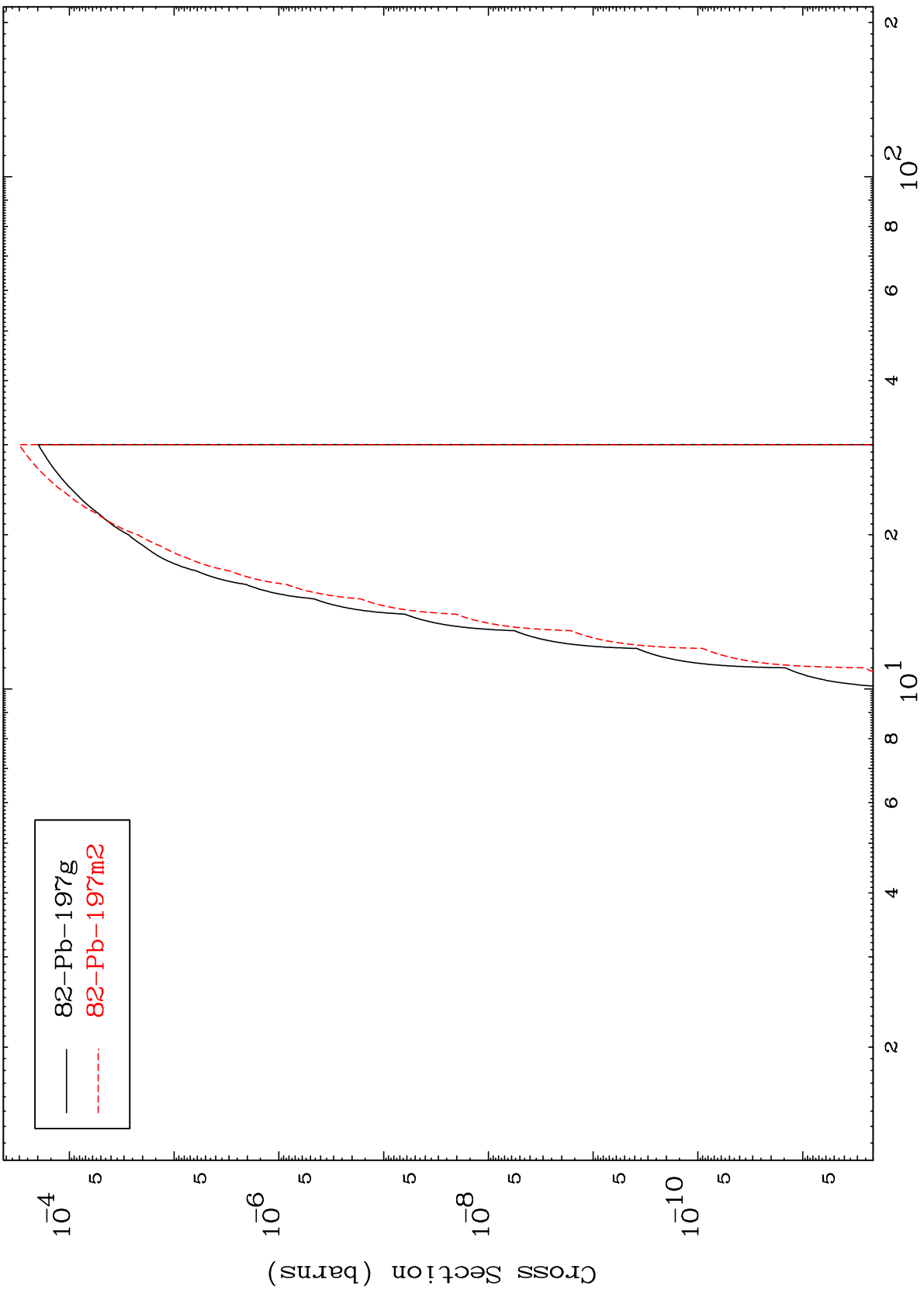


MAT 8294

(n,p) d

83-Bi-198n

Radionuclide Production Cross Section



— 82-Pb-197g  
- - - 82-Pb-197m2

MAT 8294

(n,d)  $\alpha$

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

Radionuclide Production Cross Section

