

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

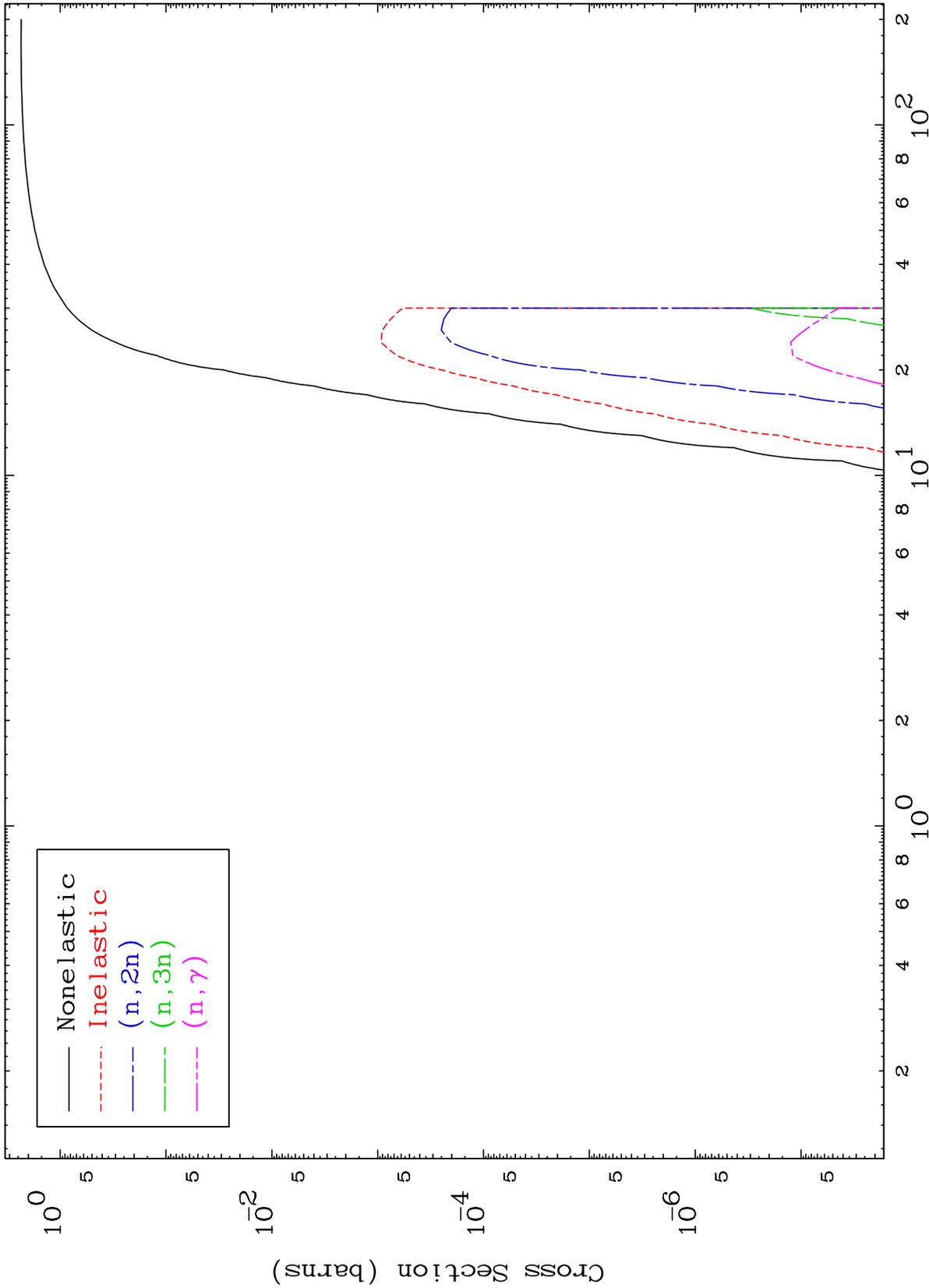
Press Mouse Button to Start

MAT 8187

He-3 Major

82-Pb-191m

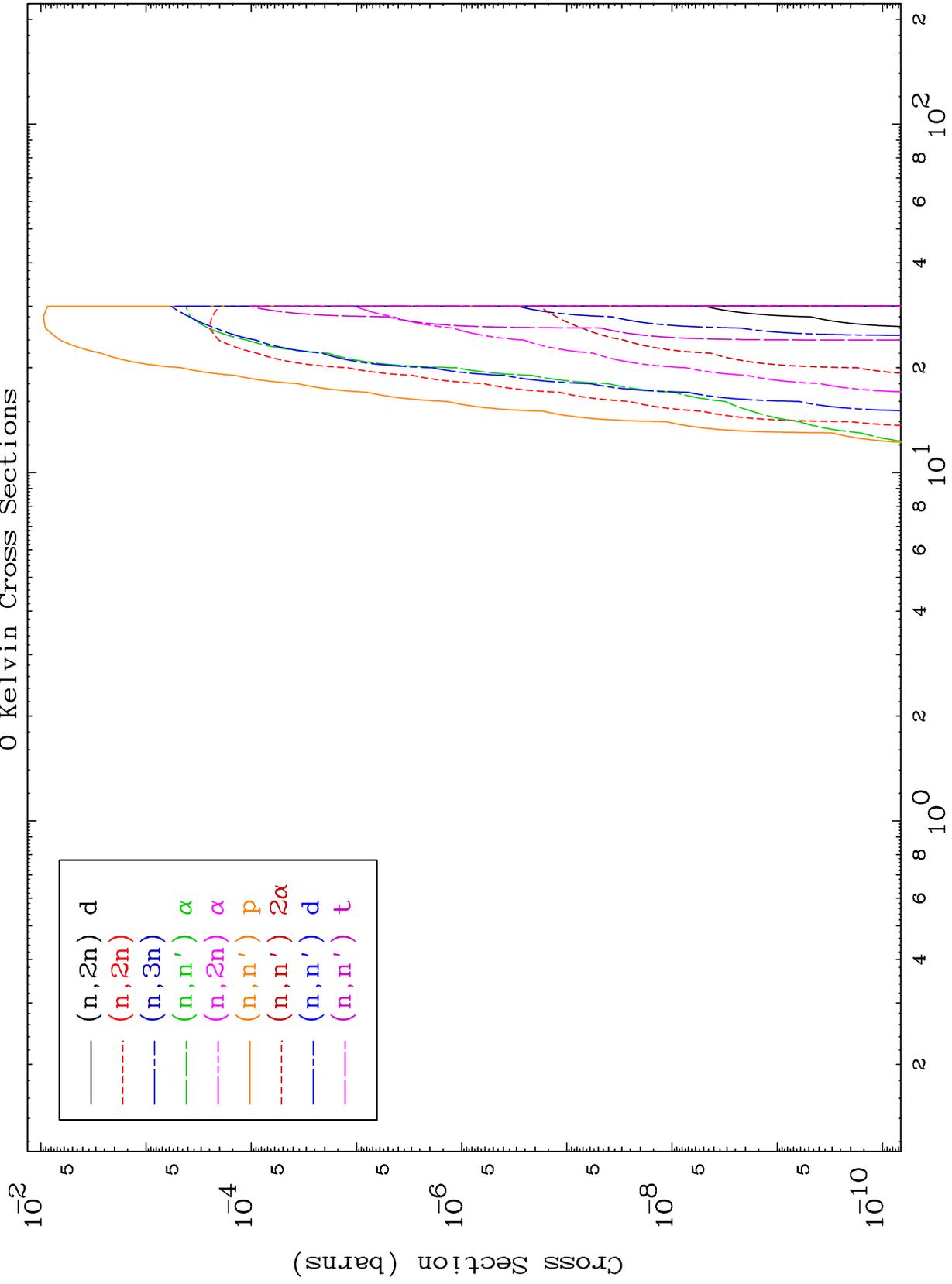
0 Kelvin Cross Sections



MAT 8187

He-3 Neutron Absorption  
0 Kelvin Cross Sections

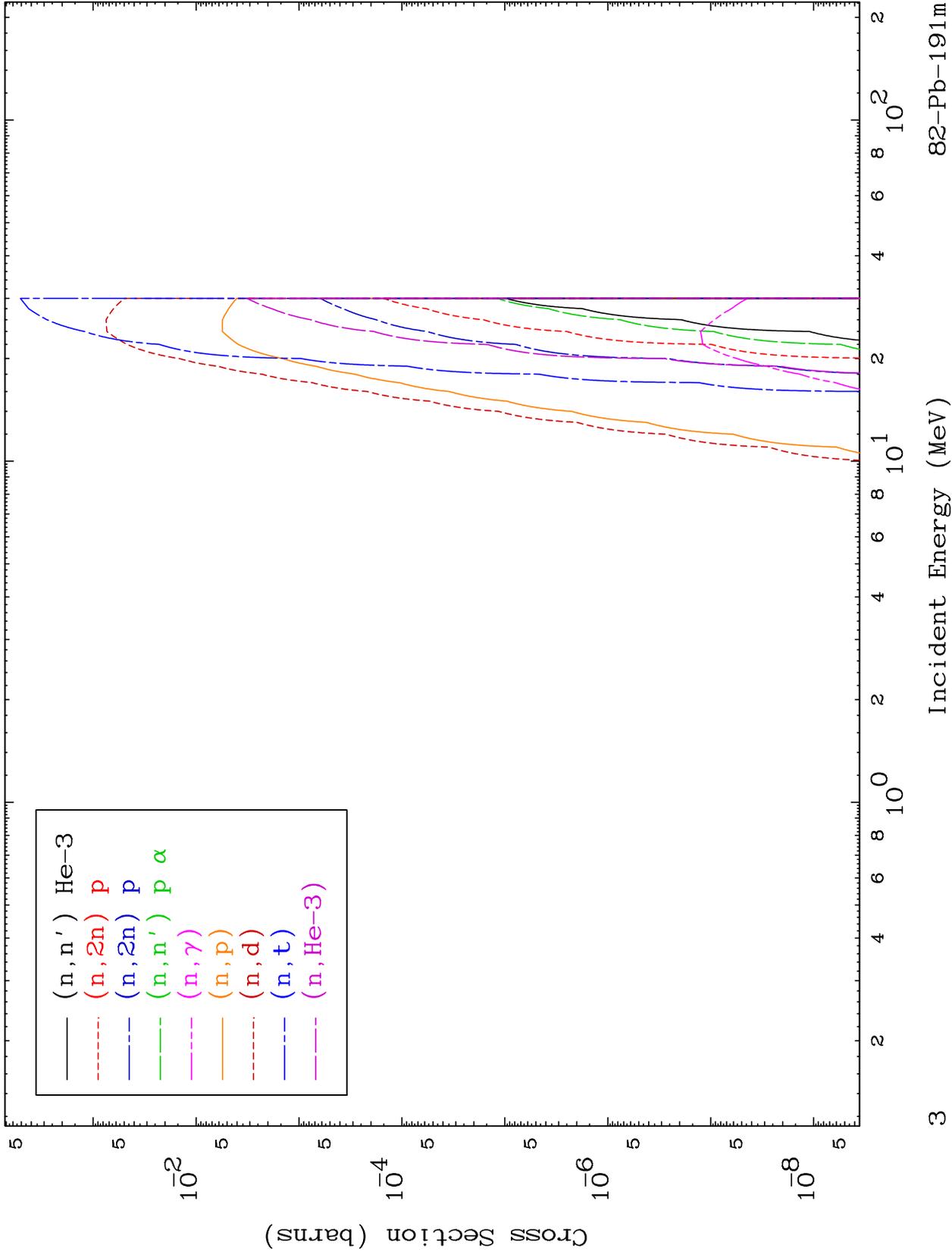
82-Pb-191m



MAT 8187

He-3 Neutron Absorption  
0 Kelvin Cross Sections

82-Pb-191m

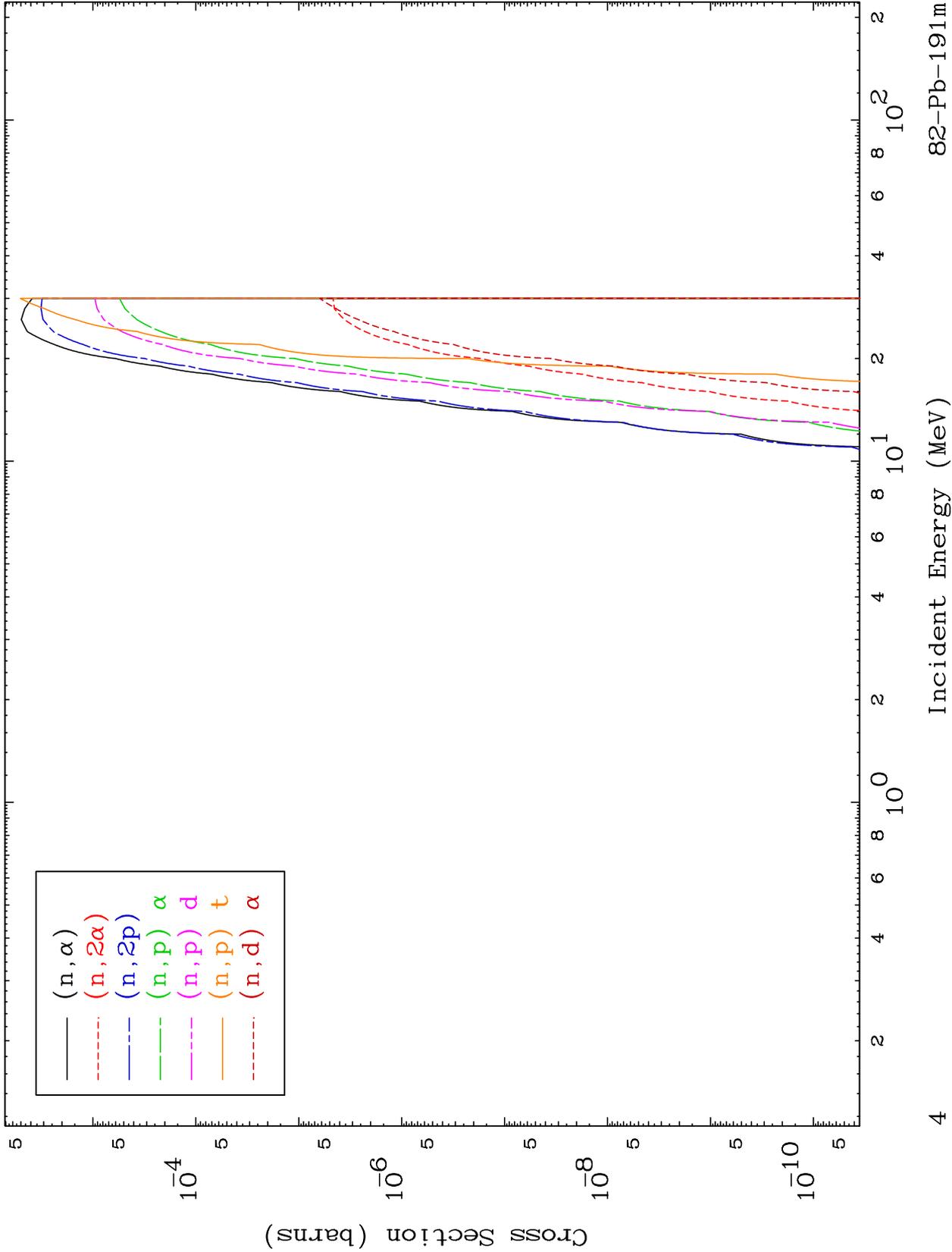


82-Pb-191m

MAT 8187

He-3 Neutron Absorption  
0 Kelvin Cross Sections

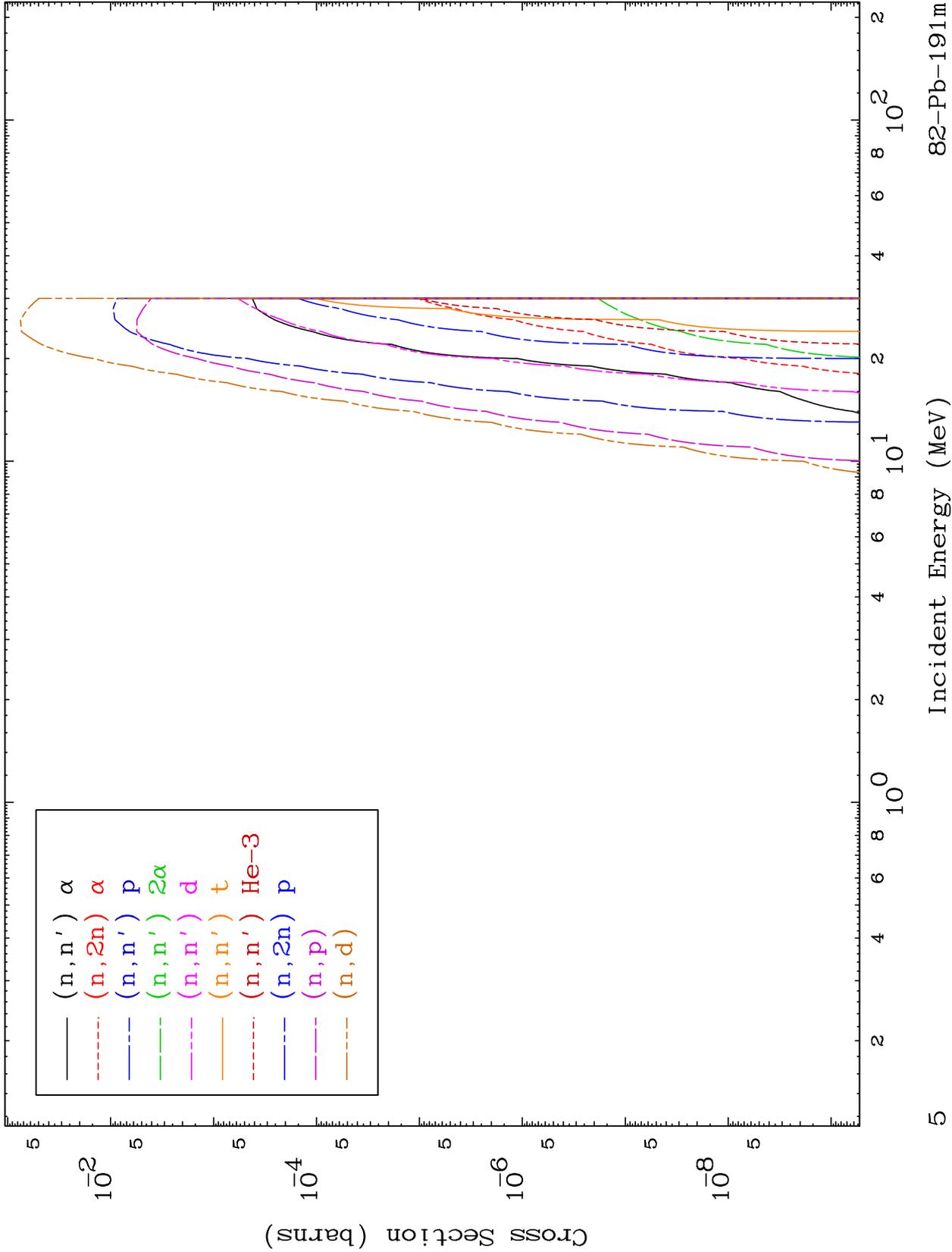
82-Pb-191m



MAT 8187

He-3 Charged Particle  
0 Kelvin Cross Sections

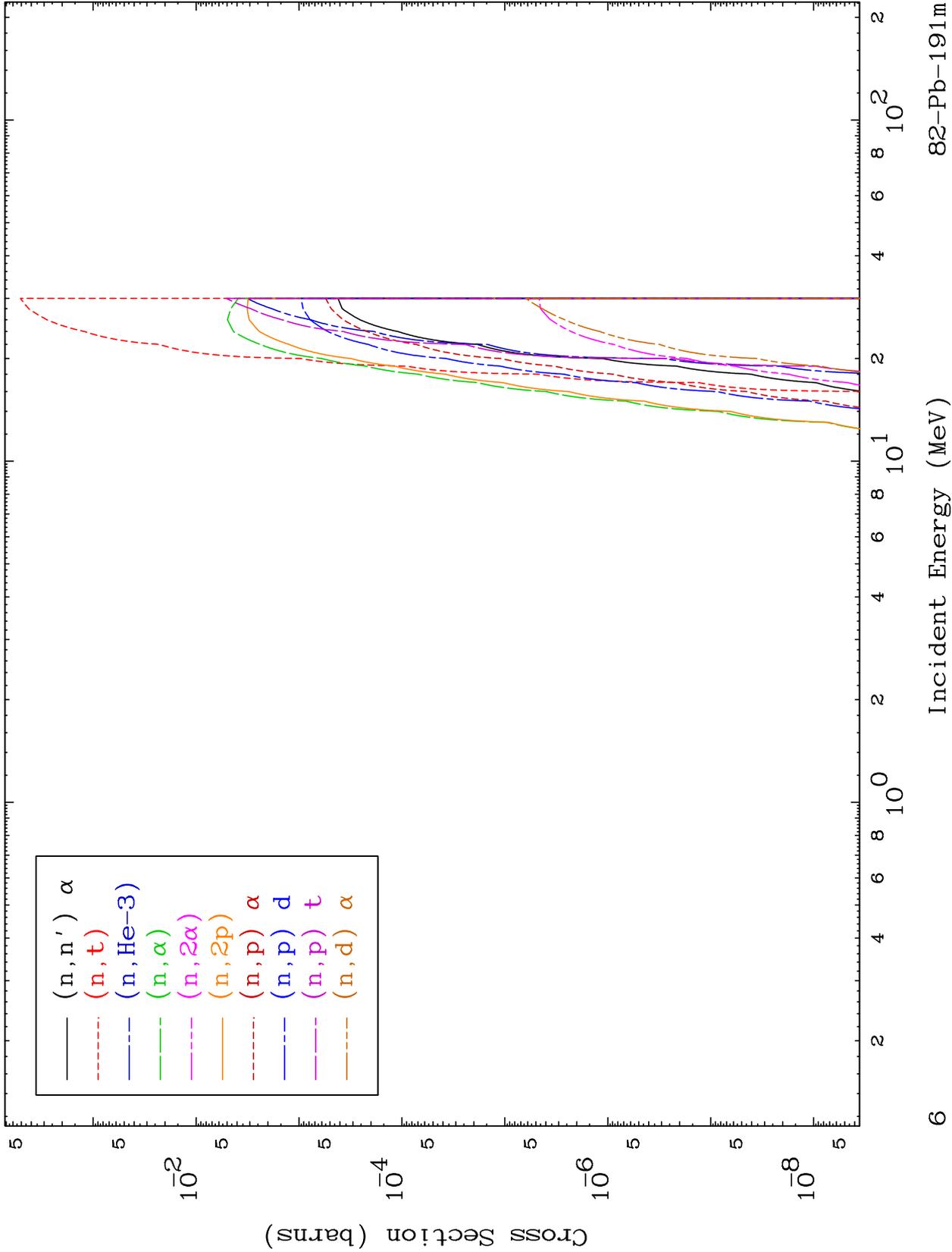
82-Pb-191m



MAT 8187

He-3 Charged Particle  
0 Kelvin Cross Sections

82-Pb-191m

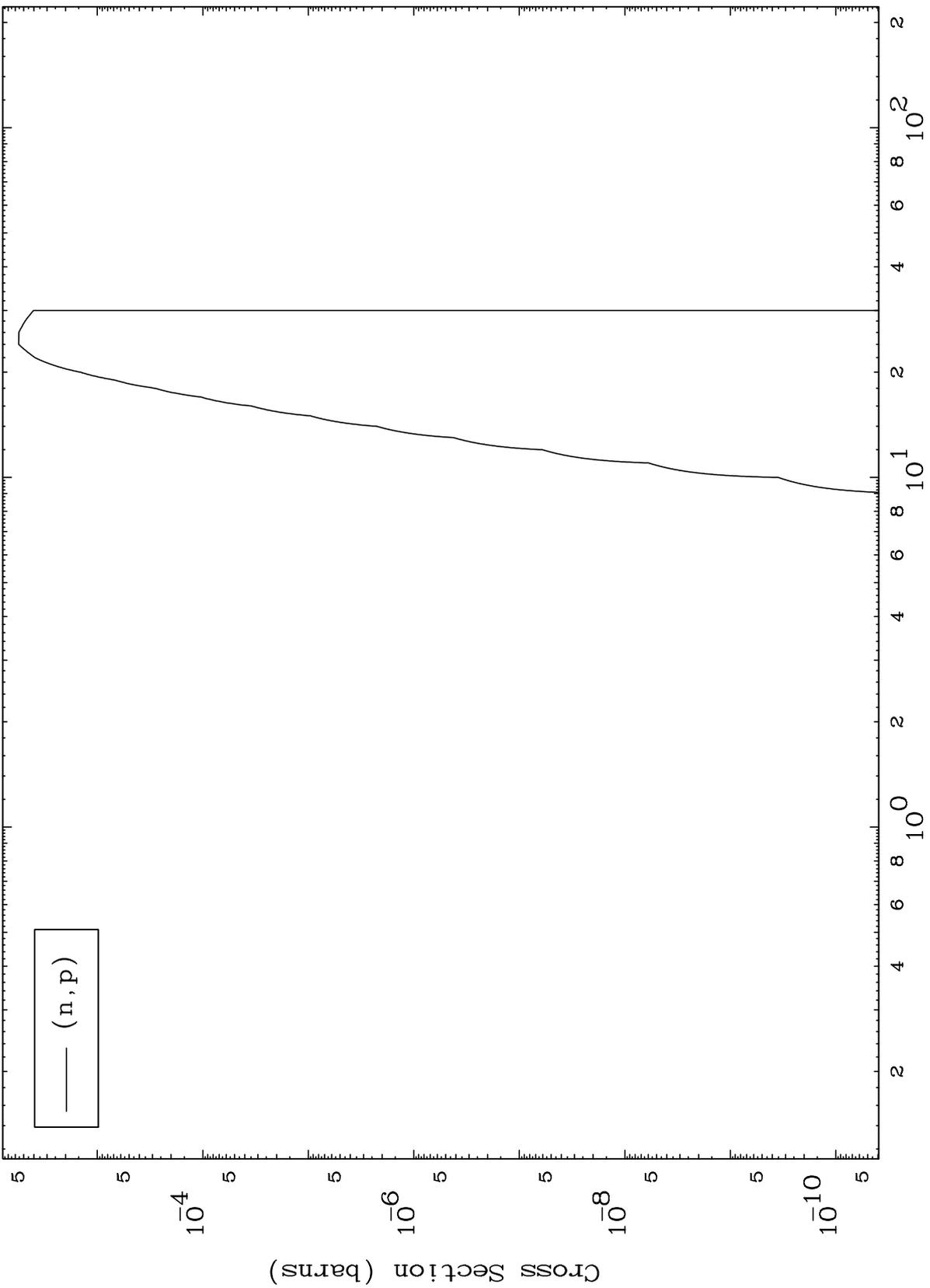


MAT 8187

(He-3,p) Levels

82-Pb-191m

0 Kelvin Cross Sections

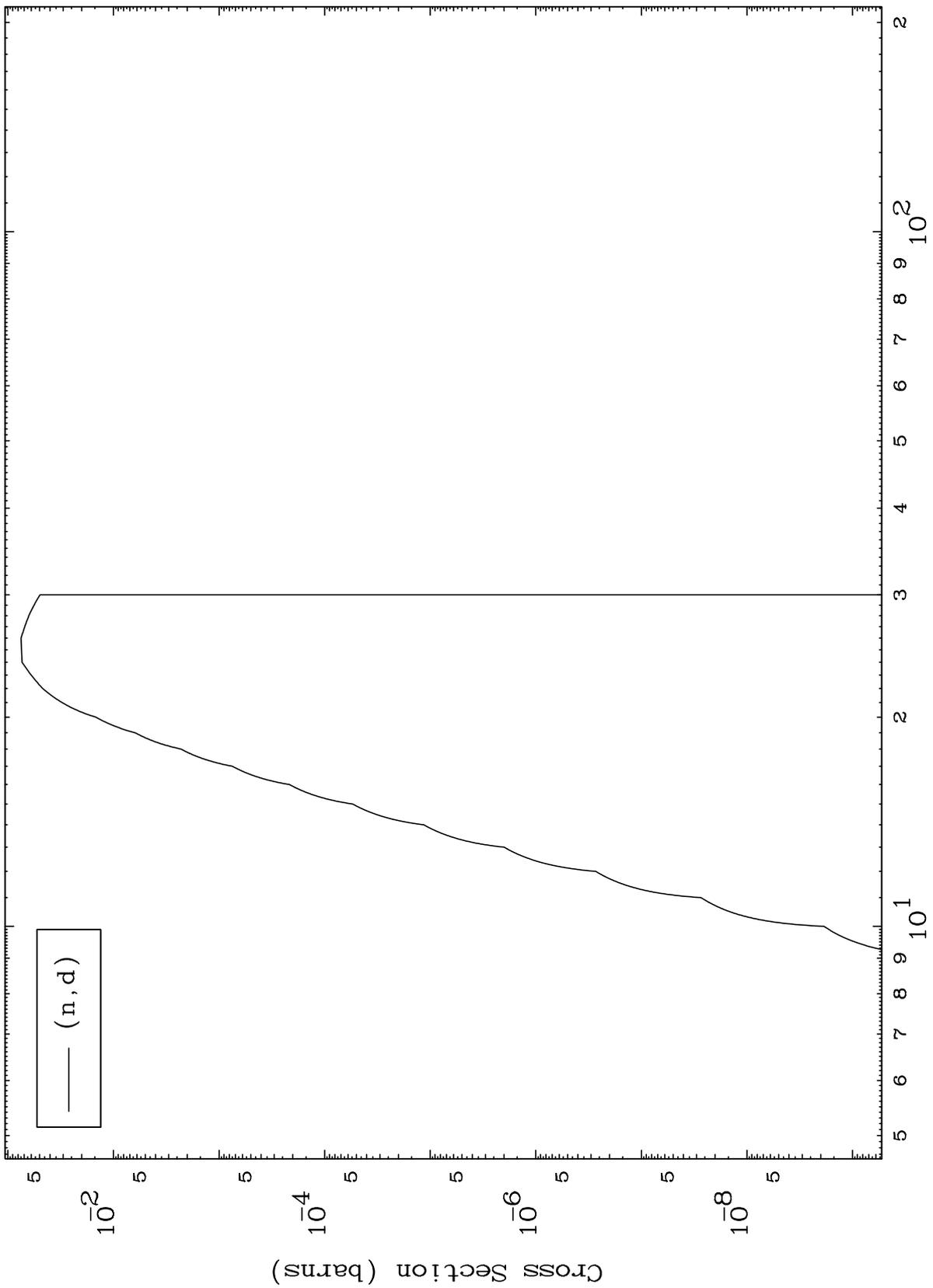


MAT 8187

(He-3,d) Levels

82-Pb-191m

0 Kelvin Cross Sections



8

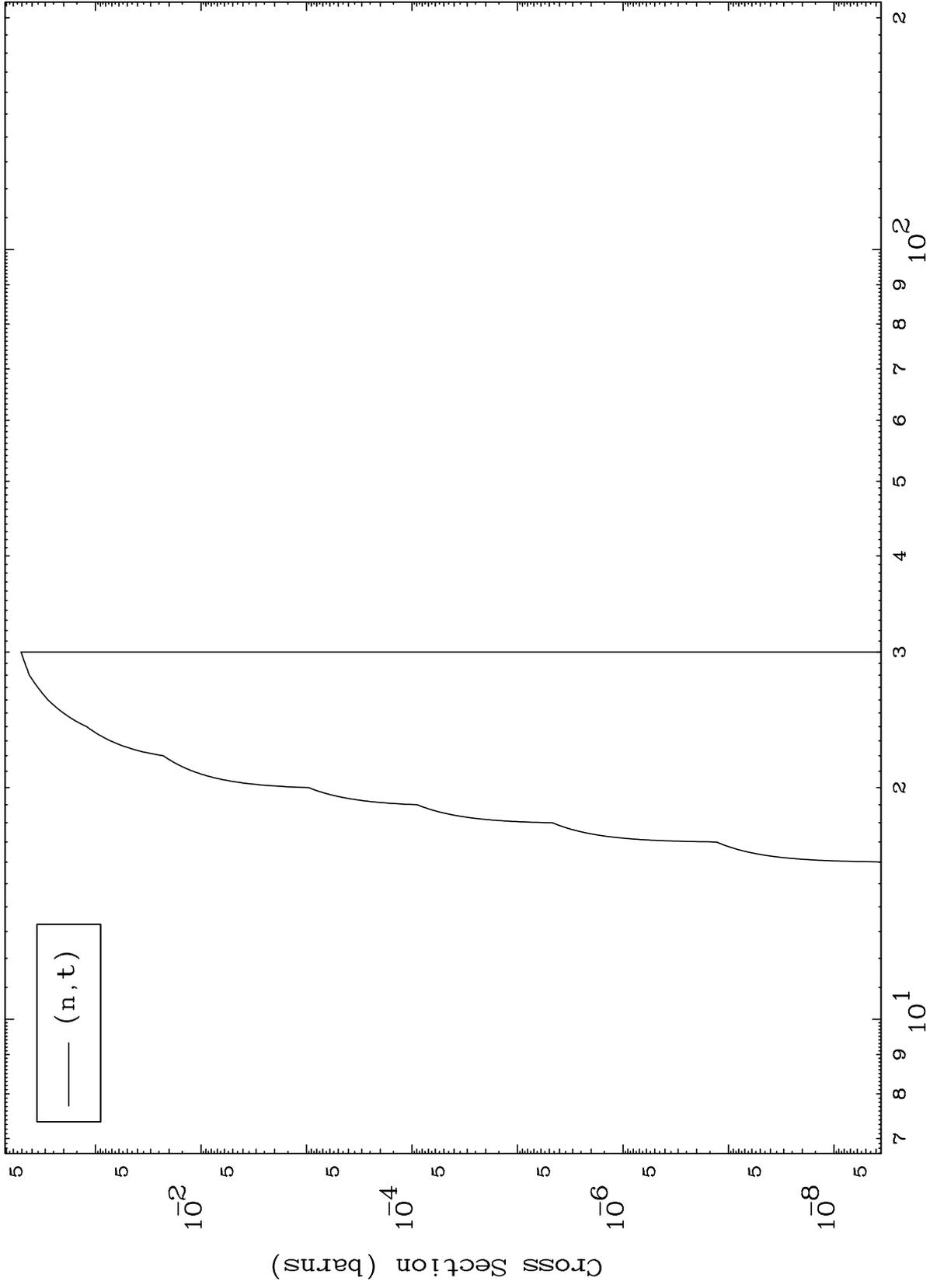
Incident Energy (MeV)

82-Pb-191m

MAT 8187

(He-3,t) Levels  
0 Kelvin Cross Sections

82-Pb-191m



9

Incident Energy (MeV)

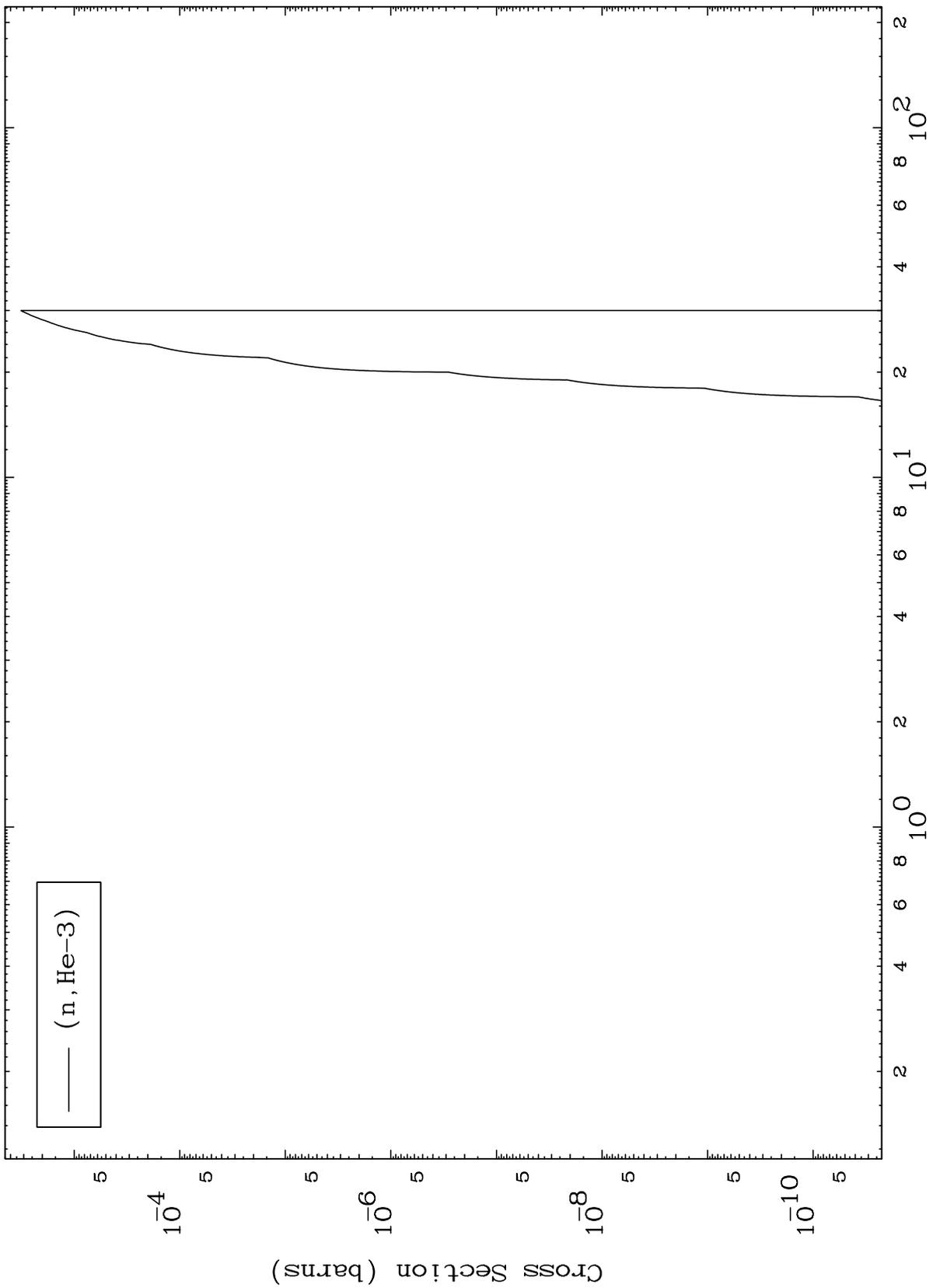
82-Pb-191m

MAT 8187

(He-3, He3) Levels

82-Pb-191m

0 Kelvin Cross Sections



(n, He-3)

10

Incident Energy (MeV)

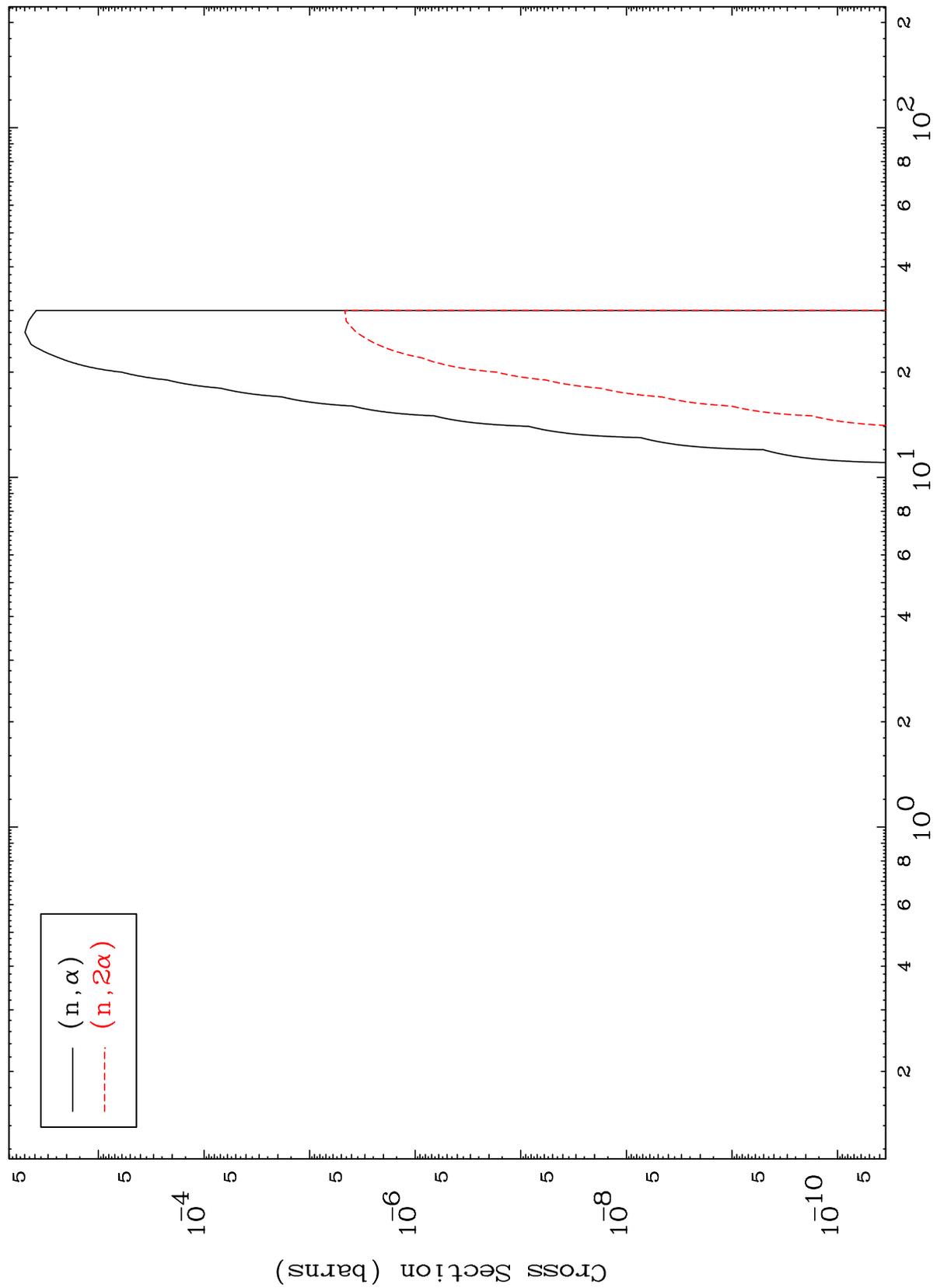
82-Pb-191m

MAT 8187

(He-3,  $\alpha$ ) Levels

82-Pb-191m

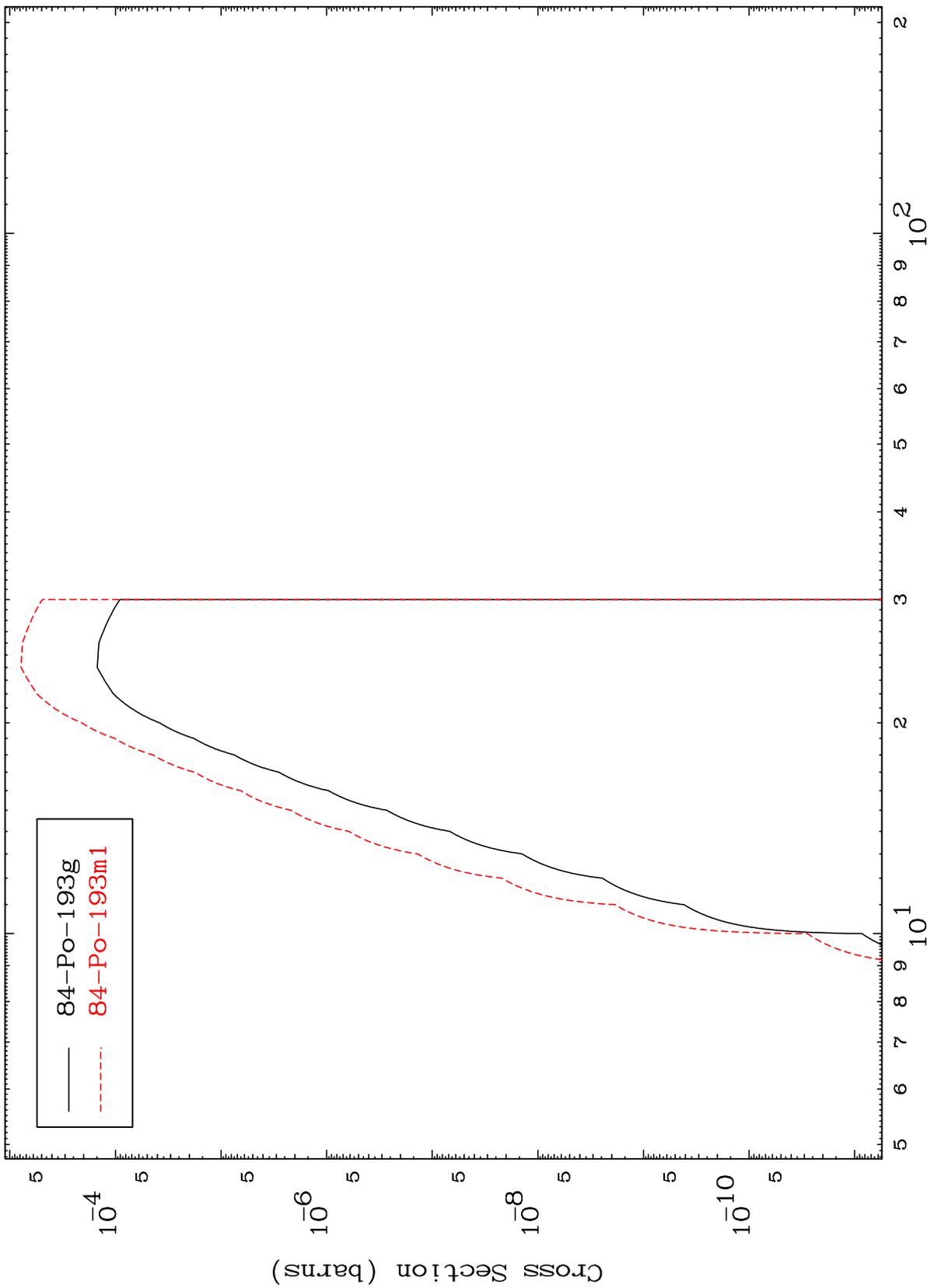
0 Kelvin Cross Sections



MAT 8187

82-Pb-191m

Inelastic  
Radionuclide Production Cross Section



82-Pb-191m

Incident Energy (MeV)

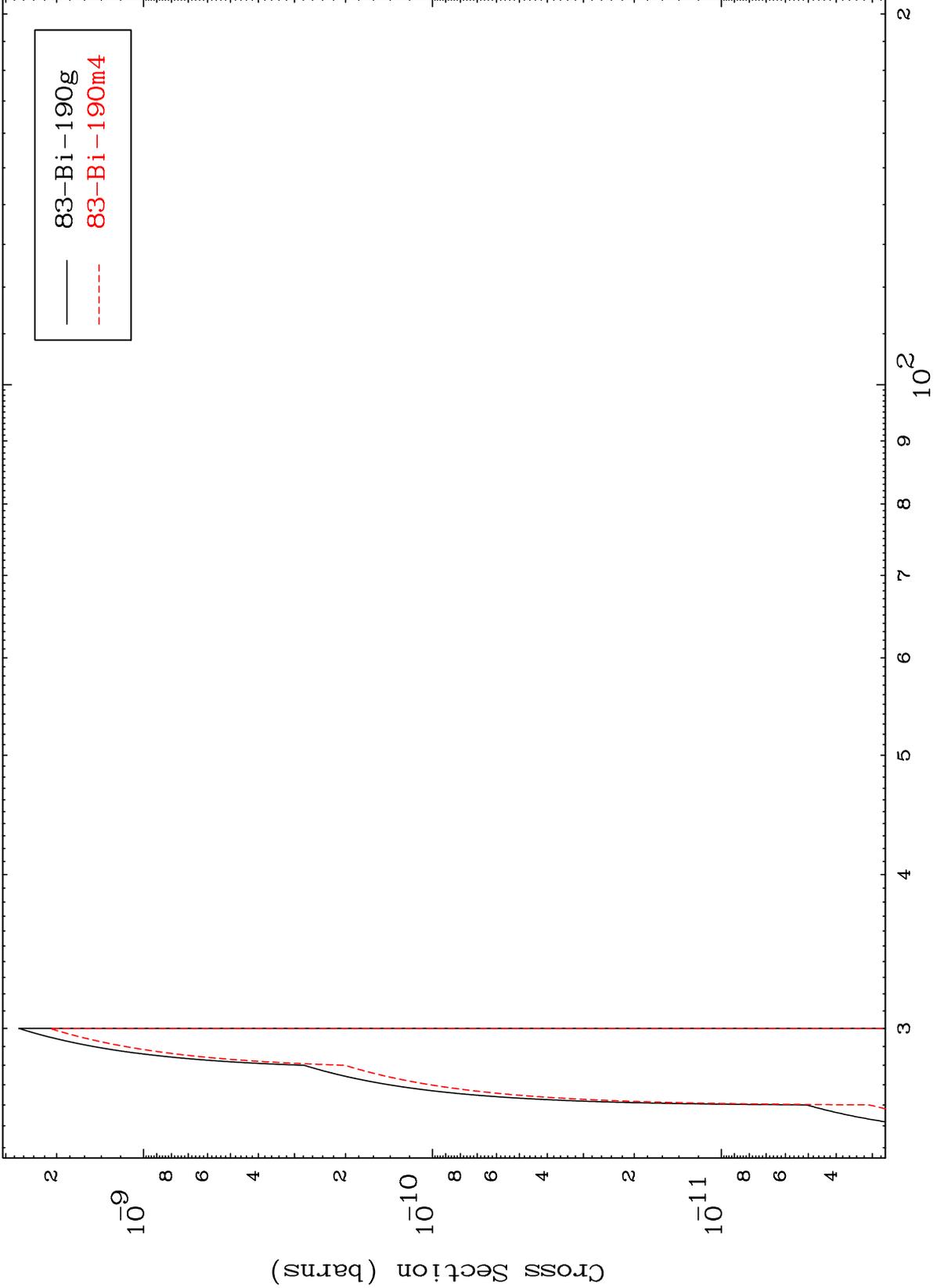
12

MAT 8187

(n,2n) d

82-Pb-191m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

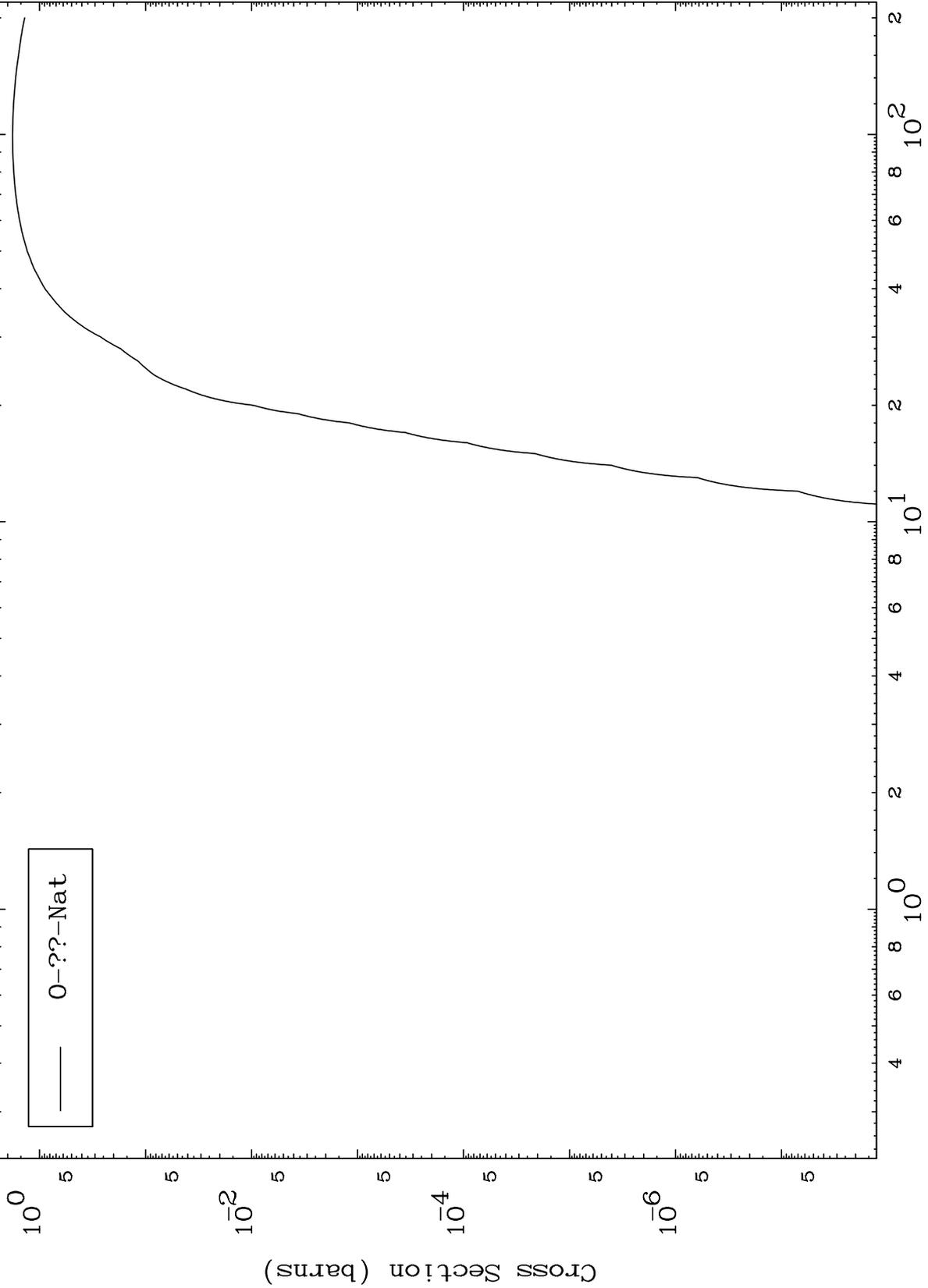
82-Pb-191m

MAT 8187

Fission

<sup>82</sup>Pb-191m

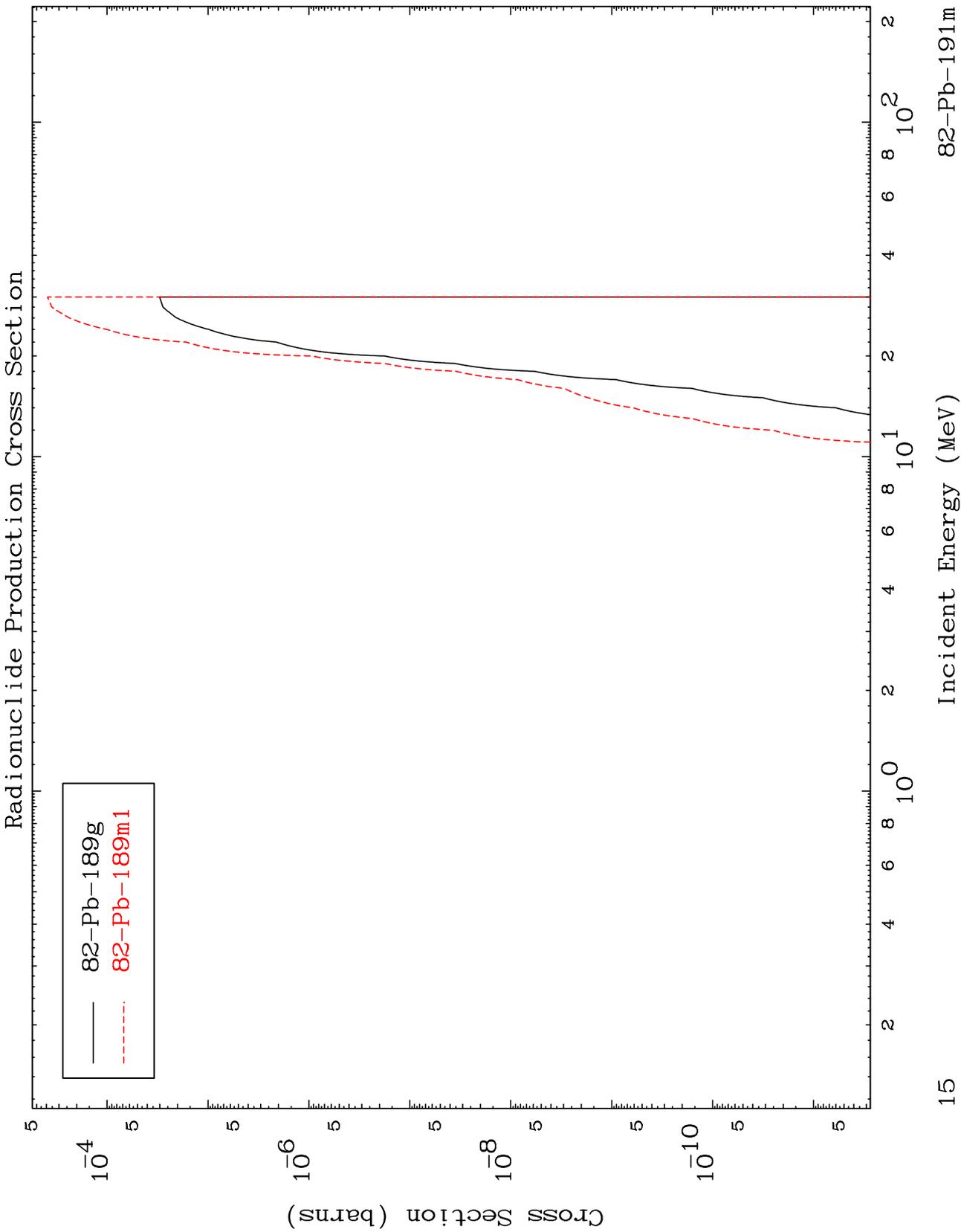
Radionuclide Production Cross Section



MAT 8187

$(n, n') \alpha$

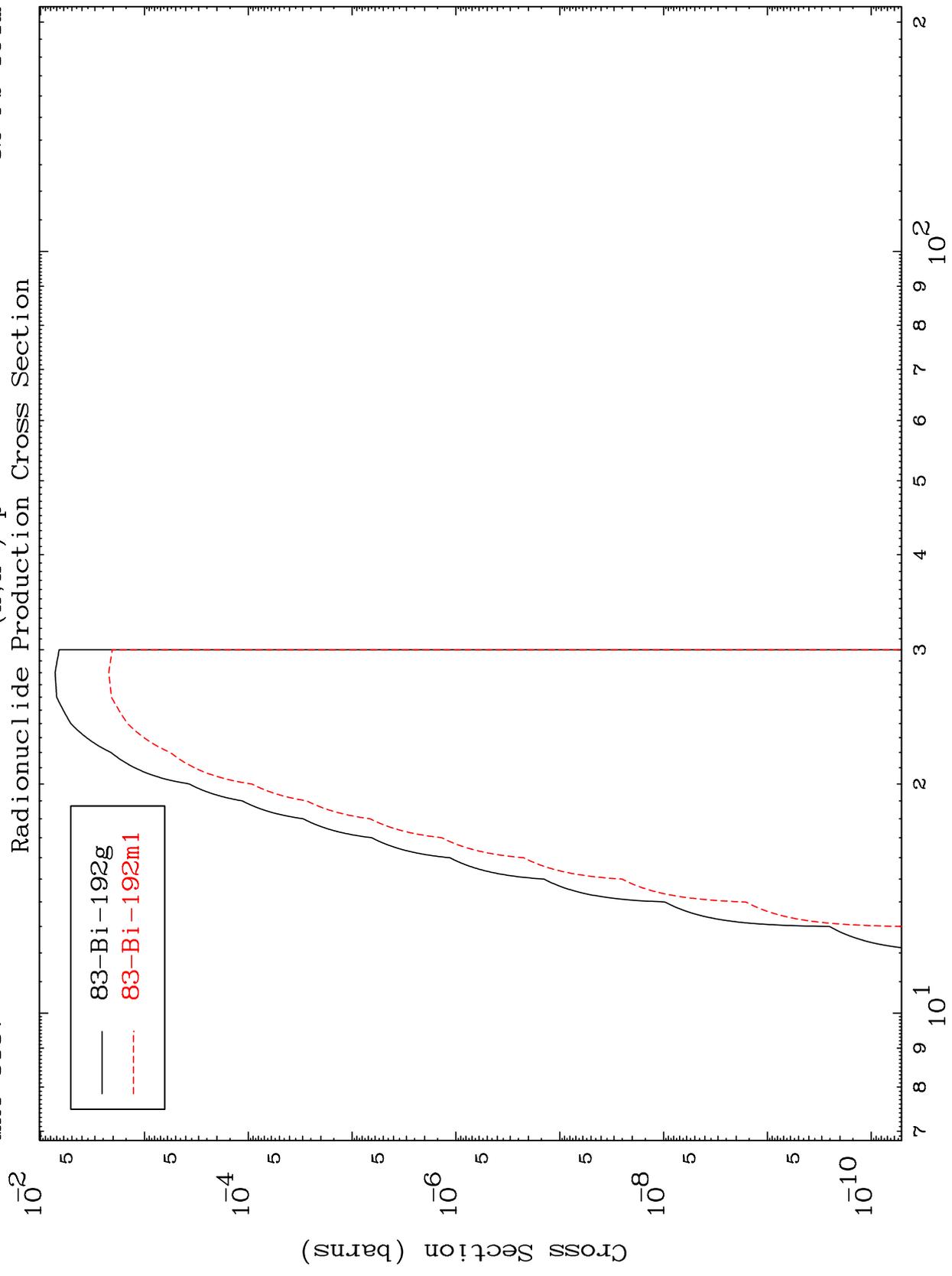
82-Pb-191m



MAT 8187

(n,n') p

82-Pb-191m



16

Incident Energy (MeV)

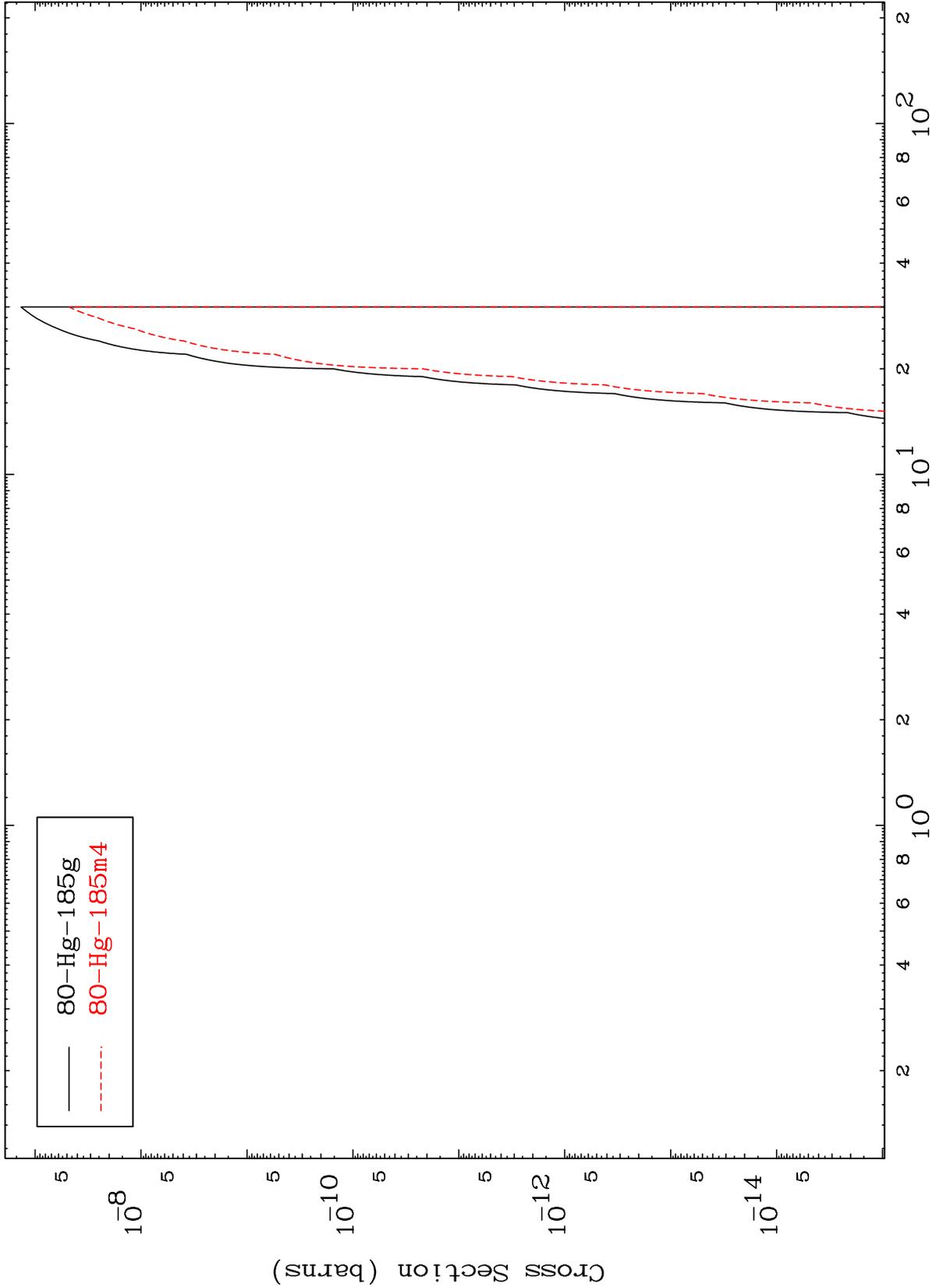
82-Pb-191m

MAT 8187

(n,n') 2 $\alpha$

82-Pb-191m

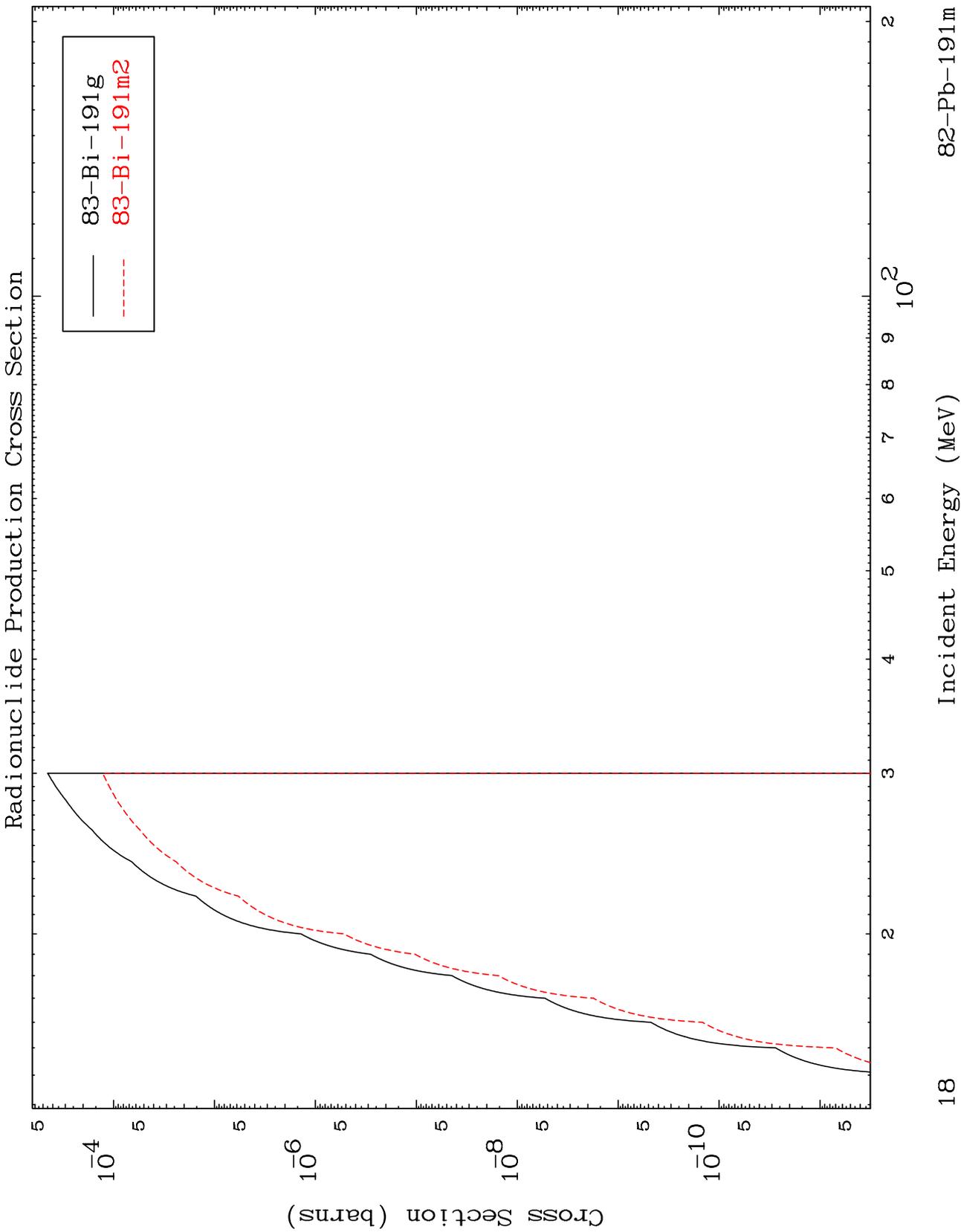
Radionuclide Production Cross Section



MAT 8187

(n,n') d

82-Pb-191m



18

Incident Energy (MeV)

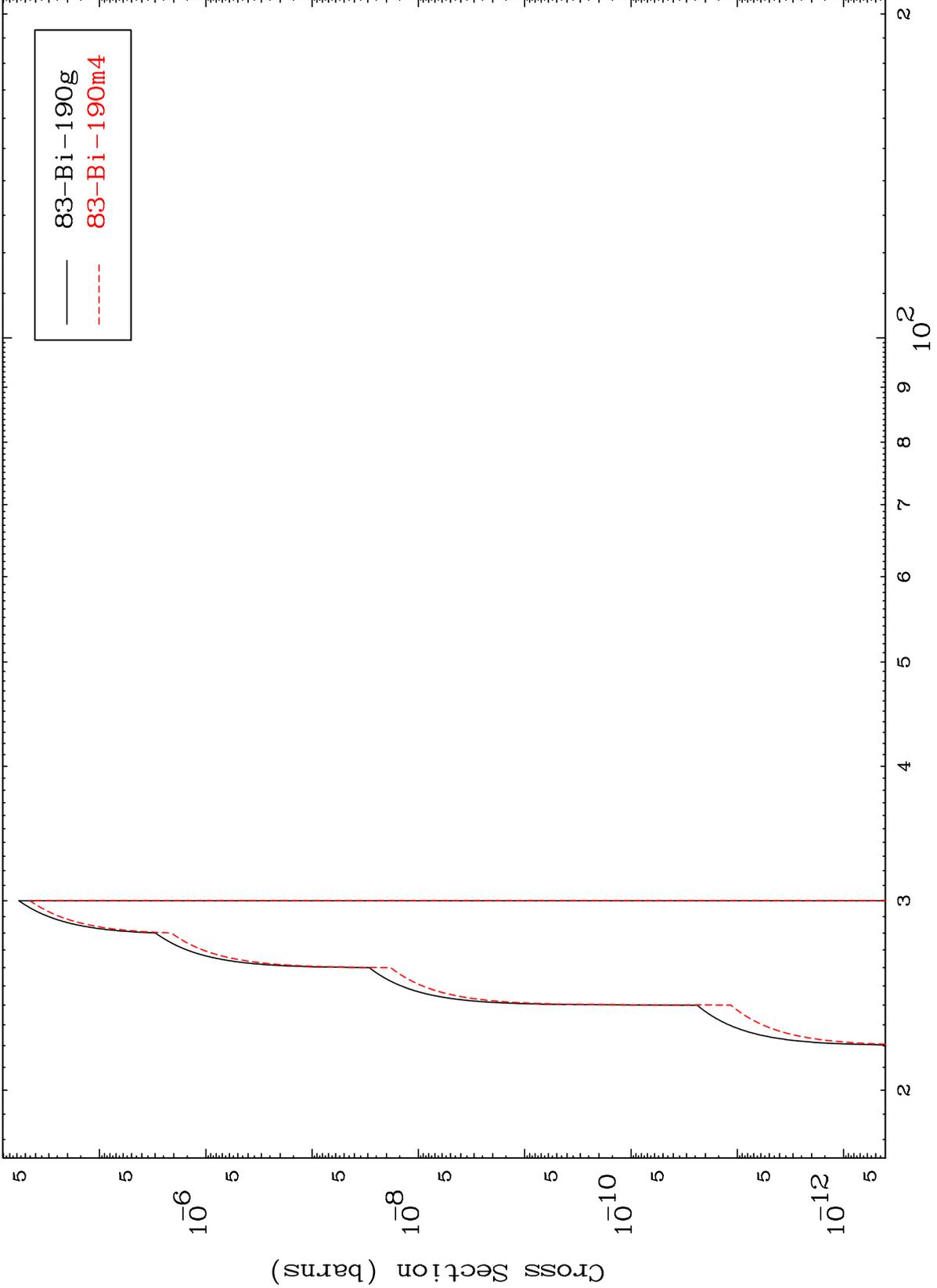
82-Pb-191m

MAT 8187

(n,n') t

82-Pb-191m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

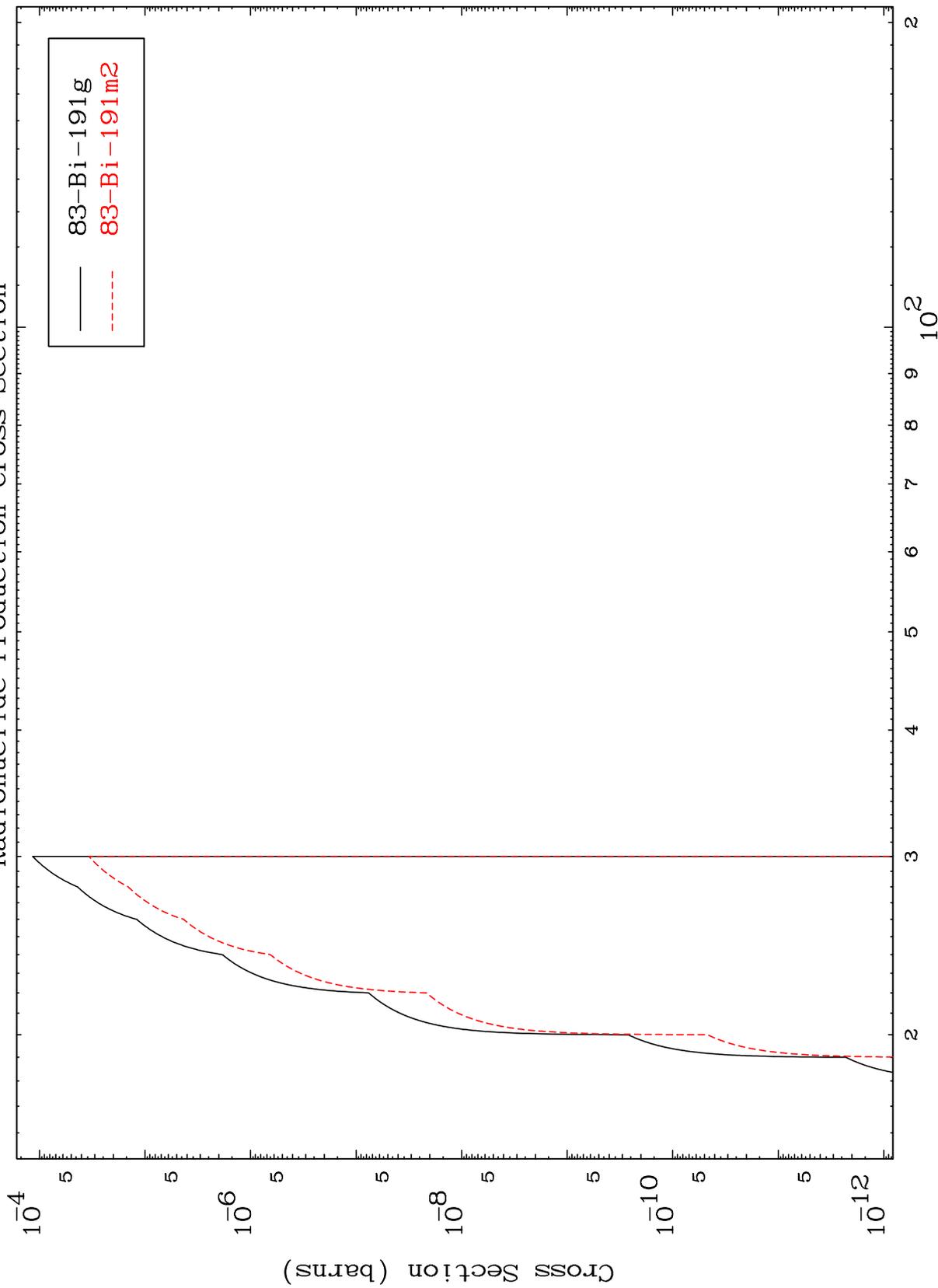
82-Pb-191m

MAT 8187

(n,2n) p

82-Pb-191m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

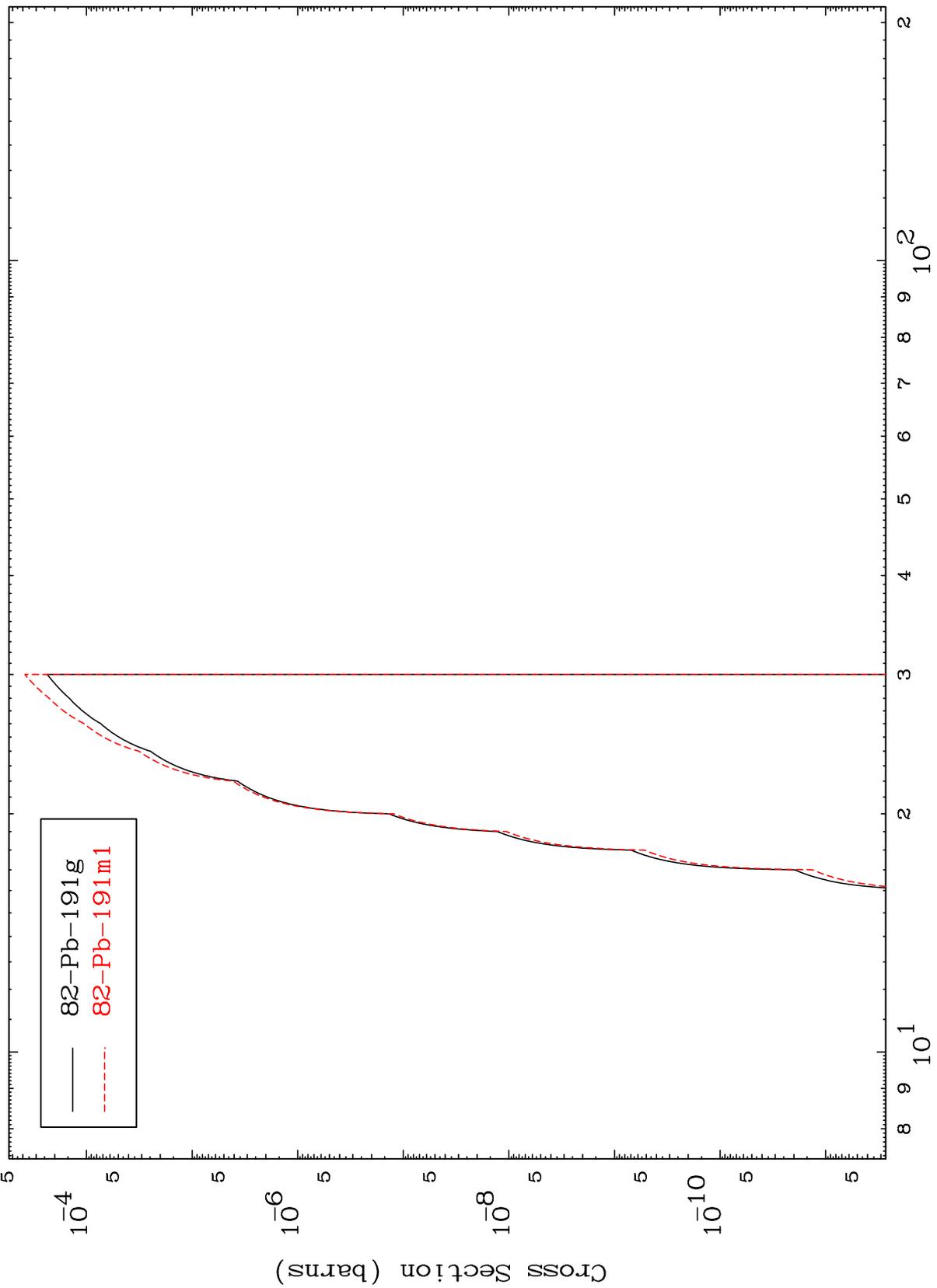
82-Pb-191m

MAT 8187

(n,2n) p

82-Pb-191m

Radionuclide Production Cross Section



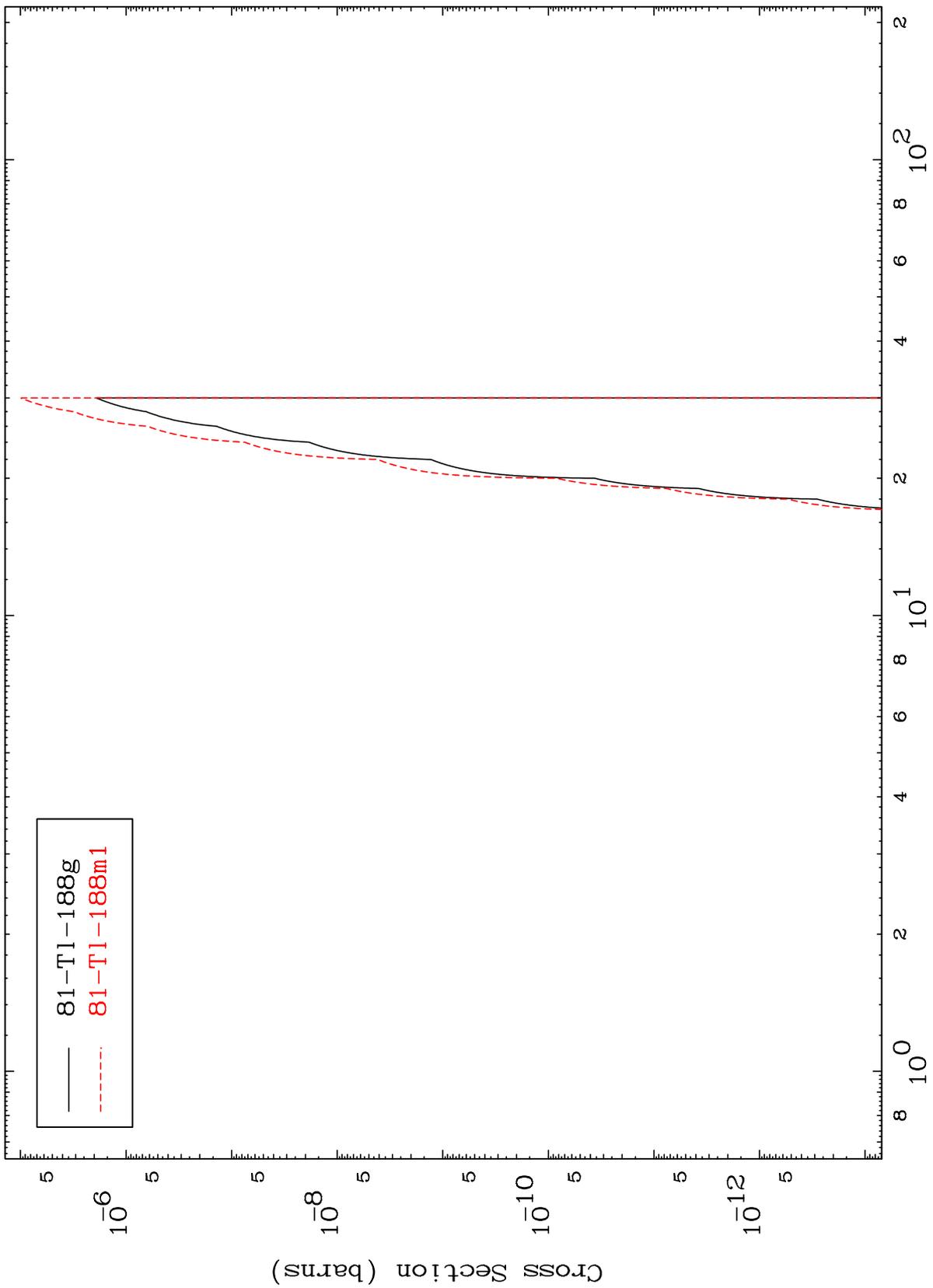
82-Pb-191g  
82-Pb-191m1

MAT 8187

(n,n') p  $\alpha$

82-Pb-191m

Radionuclide Production Cross Section

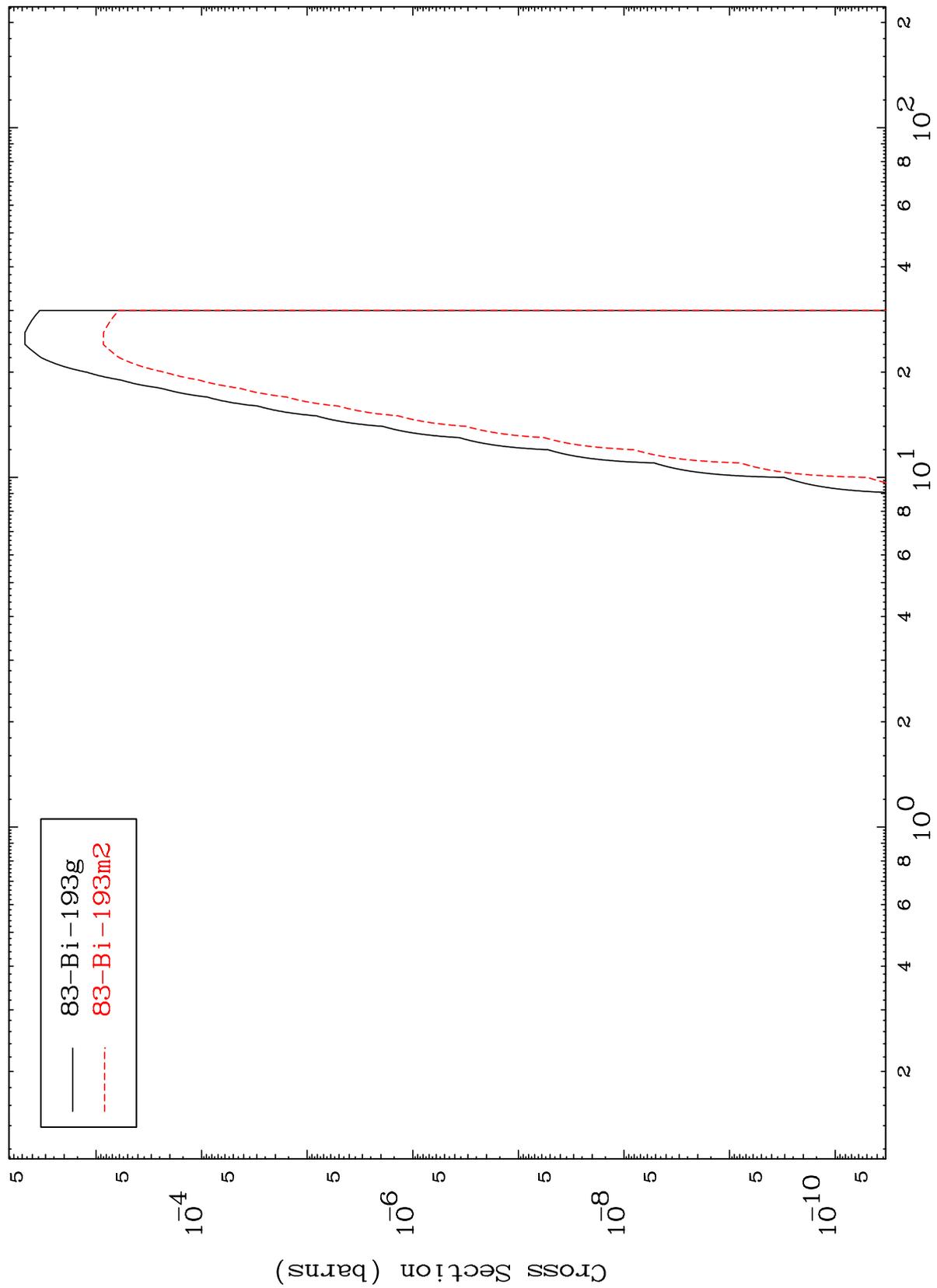


81-Tl-188g  
81-Tl-188m1

MAT 8187

82-Pb-191m

(n,p)  
Radionuclide Production Cross Section



— 83-Bi-193g  
- - - 83-Bi-193m2

82-Pb-191m

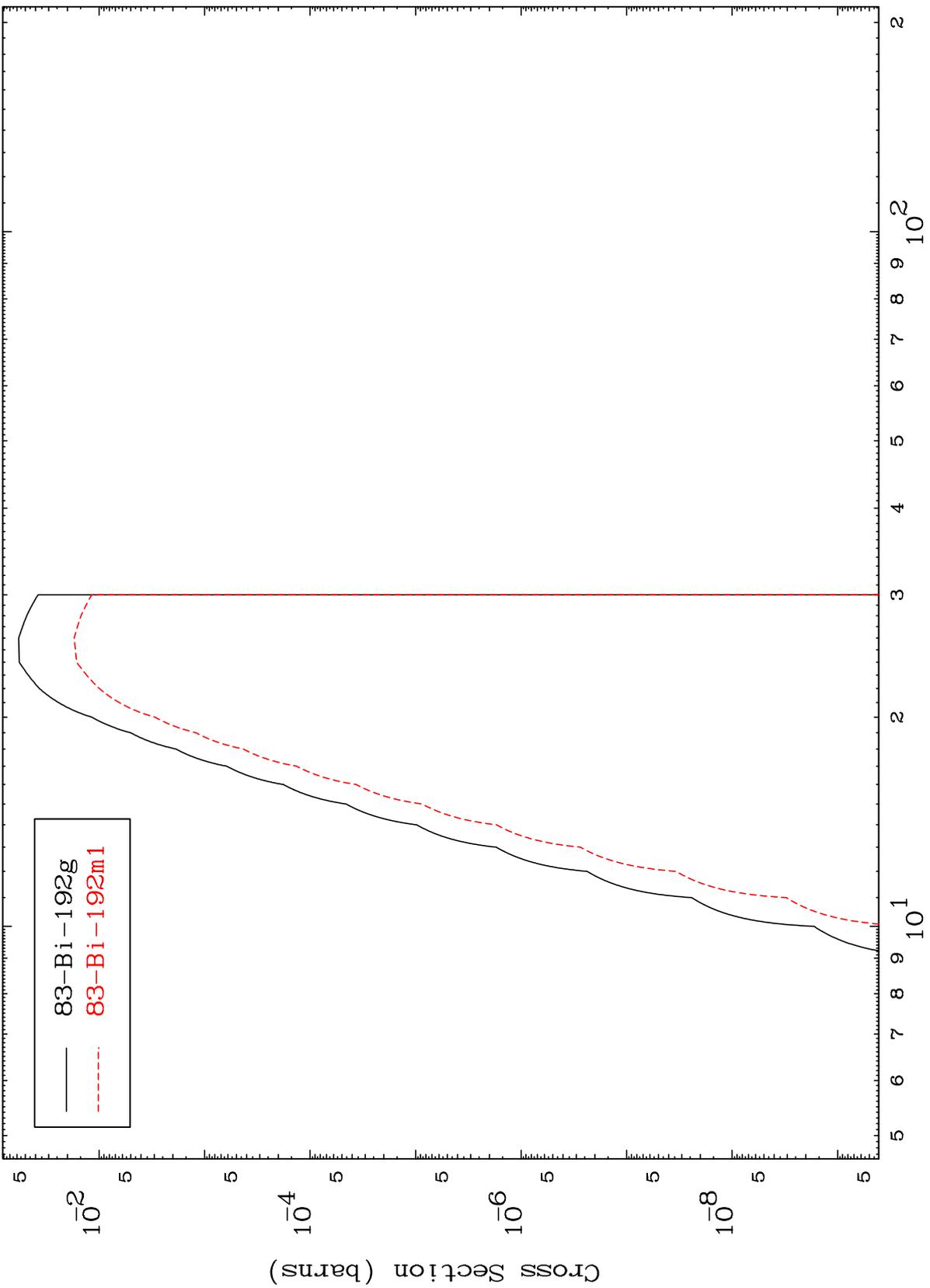
Incident Energy (MeV)

23

MAT 8187

82-Pb-191m

(n,d)  
Radionuclide Production Cross Section



24

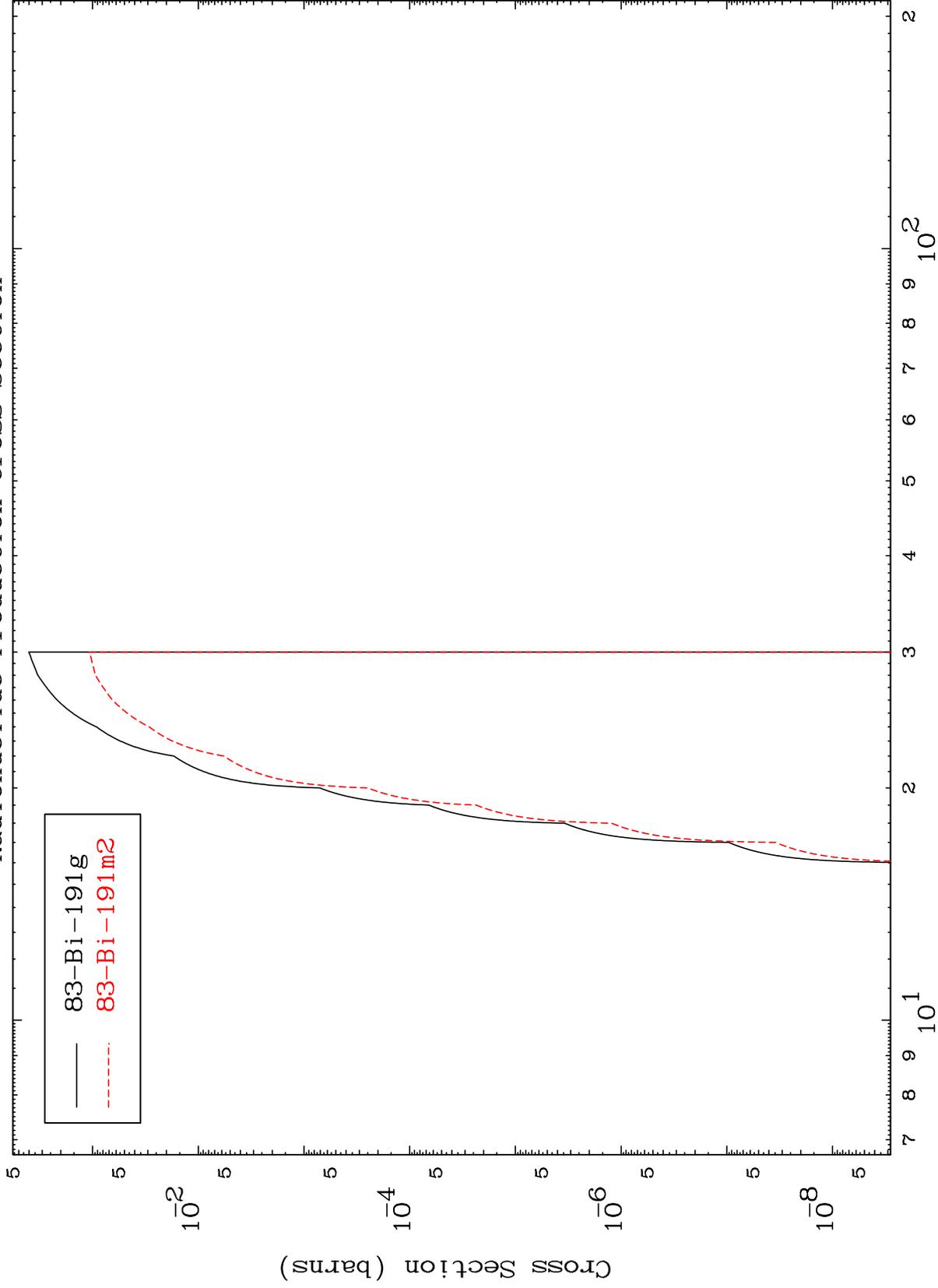
Incident Energy (MeV)

82-Pb-191m

MAT 8187

82-Pb-191m

(n, t)  
Radionuclide Production Cross Section



25

Incident Energy (MeV)

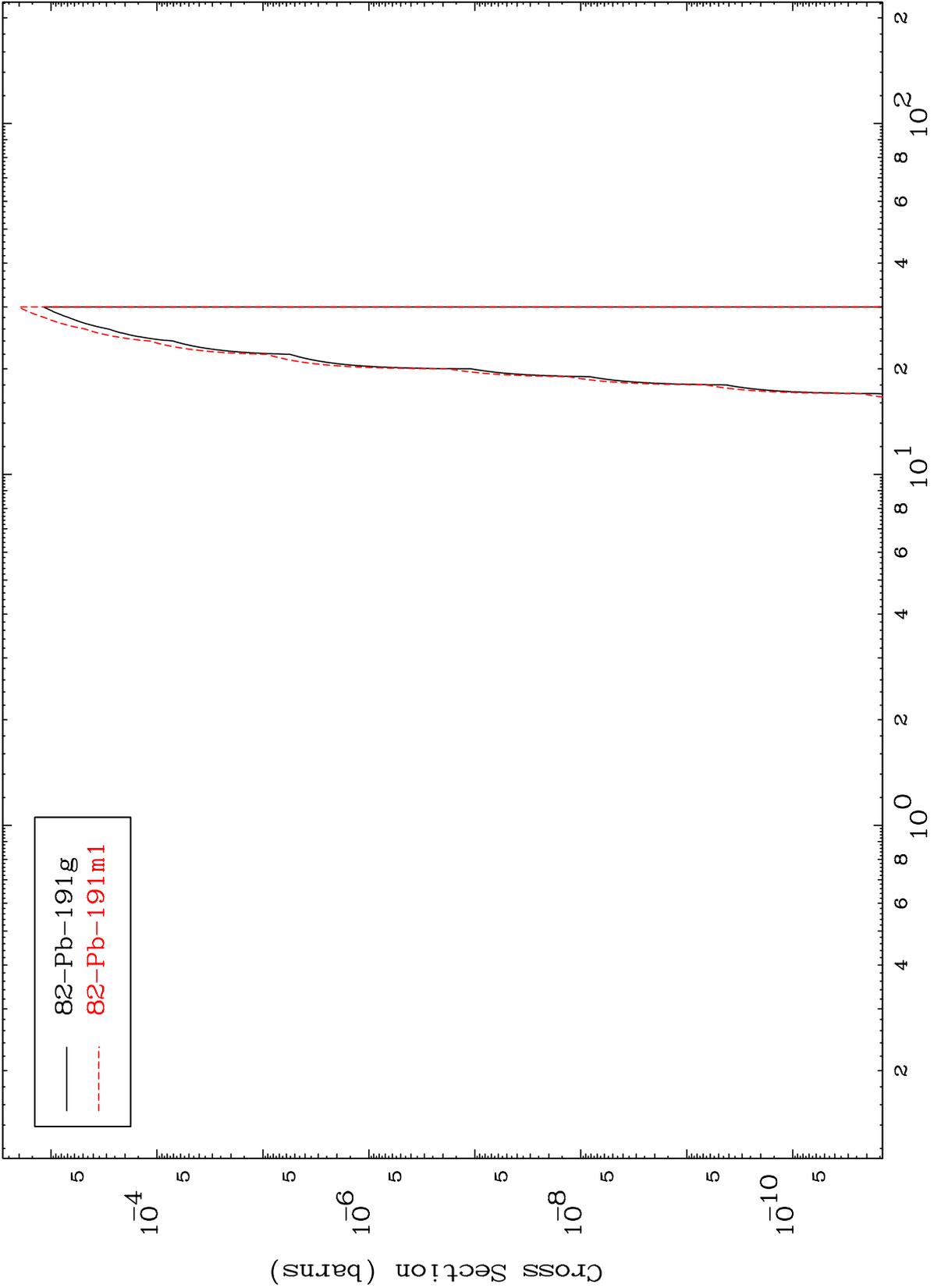
82-Pb-191m

MAT 8187

(n,He-3)

82-Pb-191m

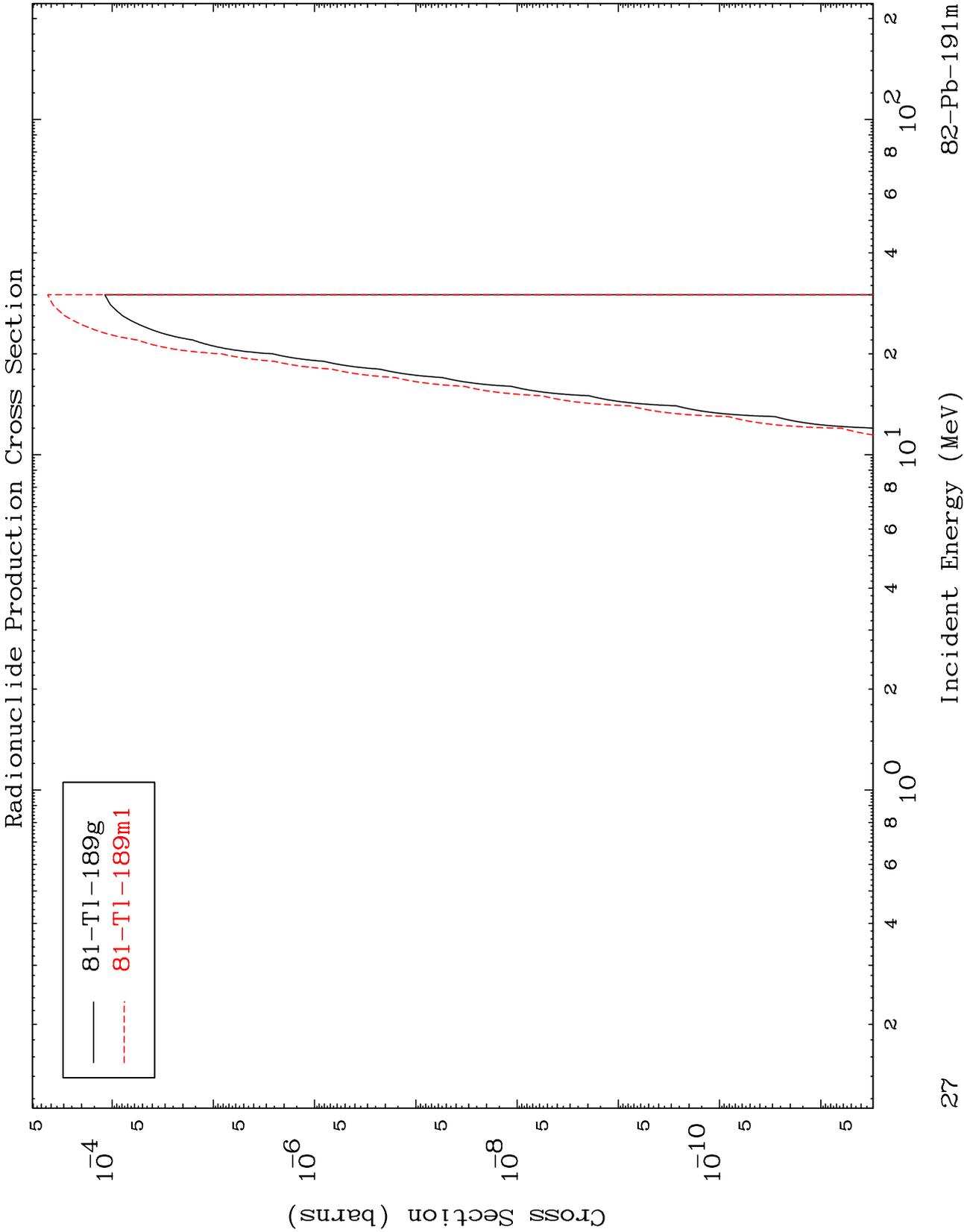
Radionuclide Production Cross Section



MAT 8187

(n,p)  $\alpha$

82-Pb-191m



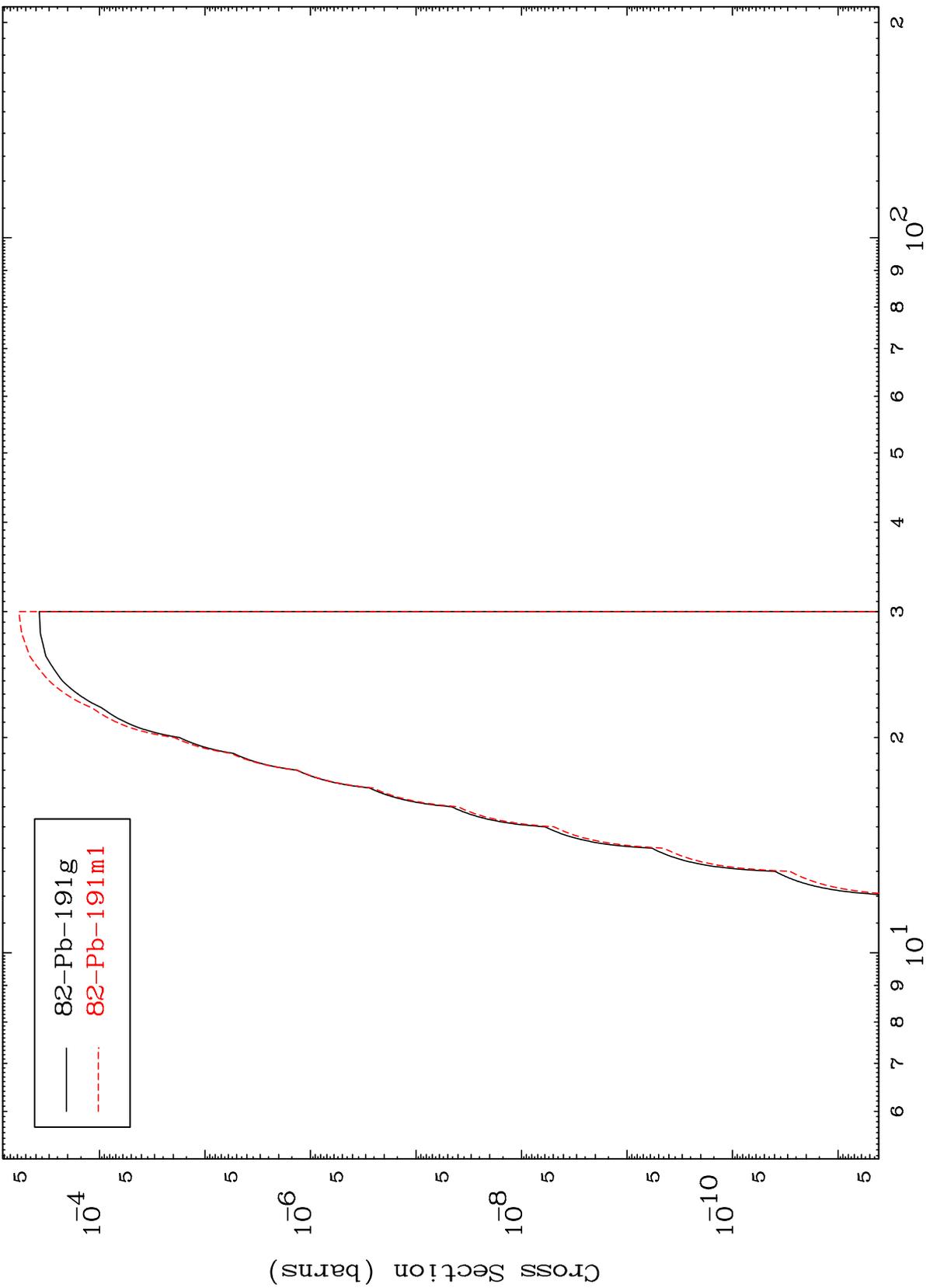
81-Tl-189g  
81-Tl-189m1

MAT 8187

(n,p) d

82-Pb-191m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

82-Pb-191m

MAT 8187

(n,d)  $\alpha$

82-Pb-191m

