

Program EVALPLOT  
(Version 2021-1)

by

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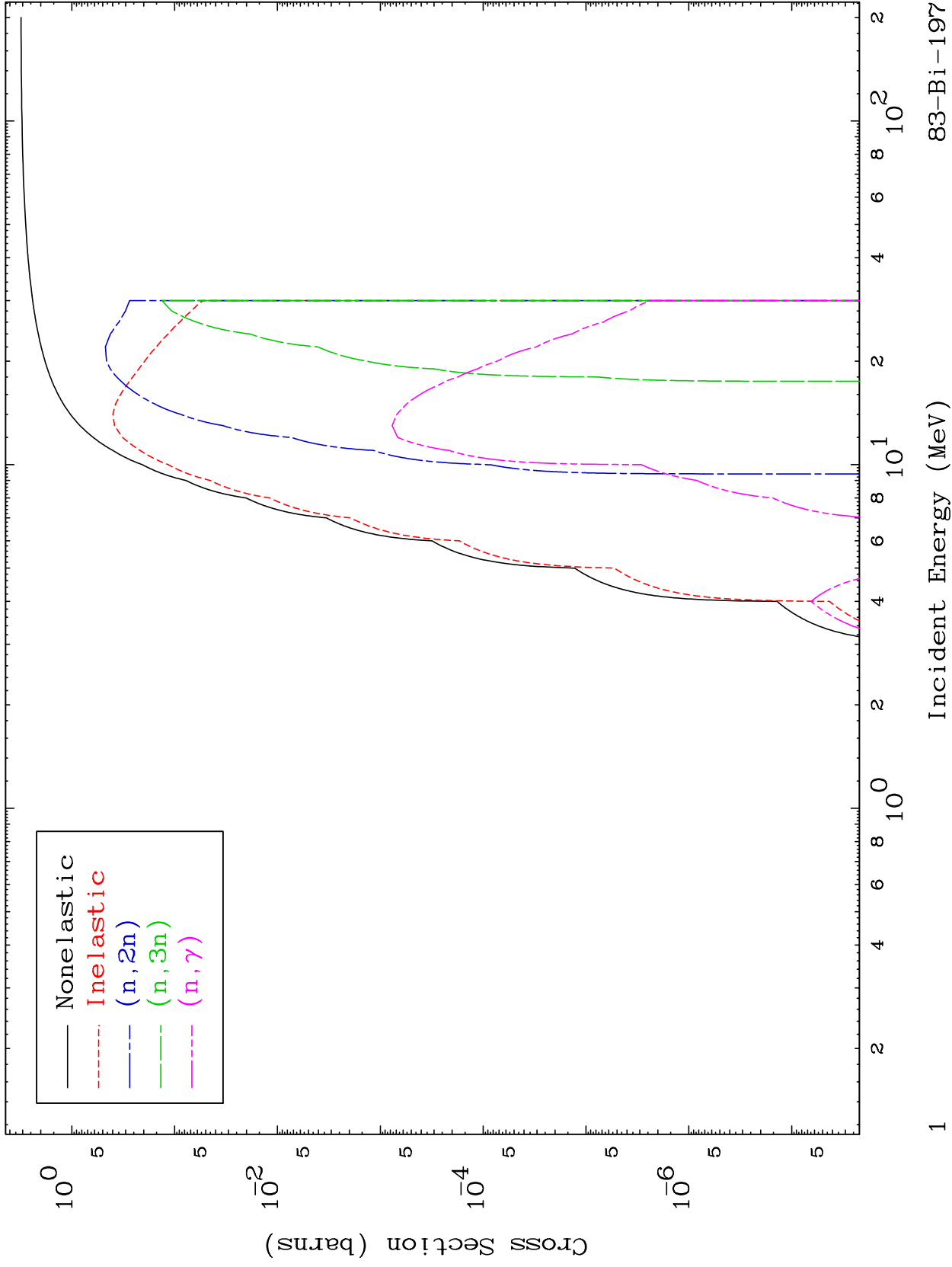
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8289

Deuteron Major  
0 Kelvin Cross Sections

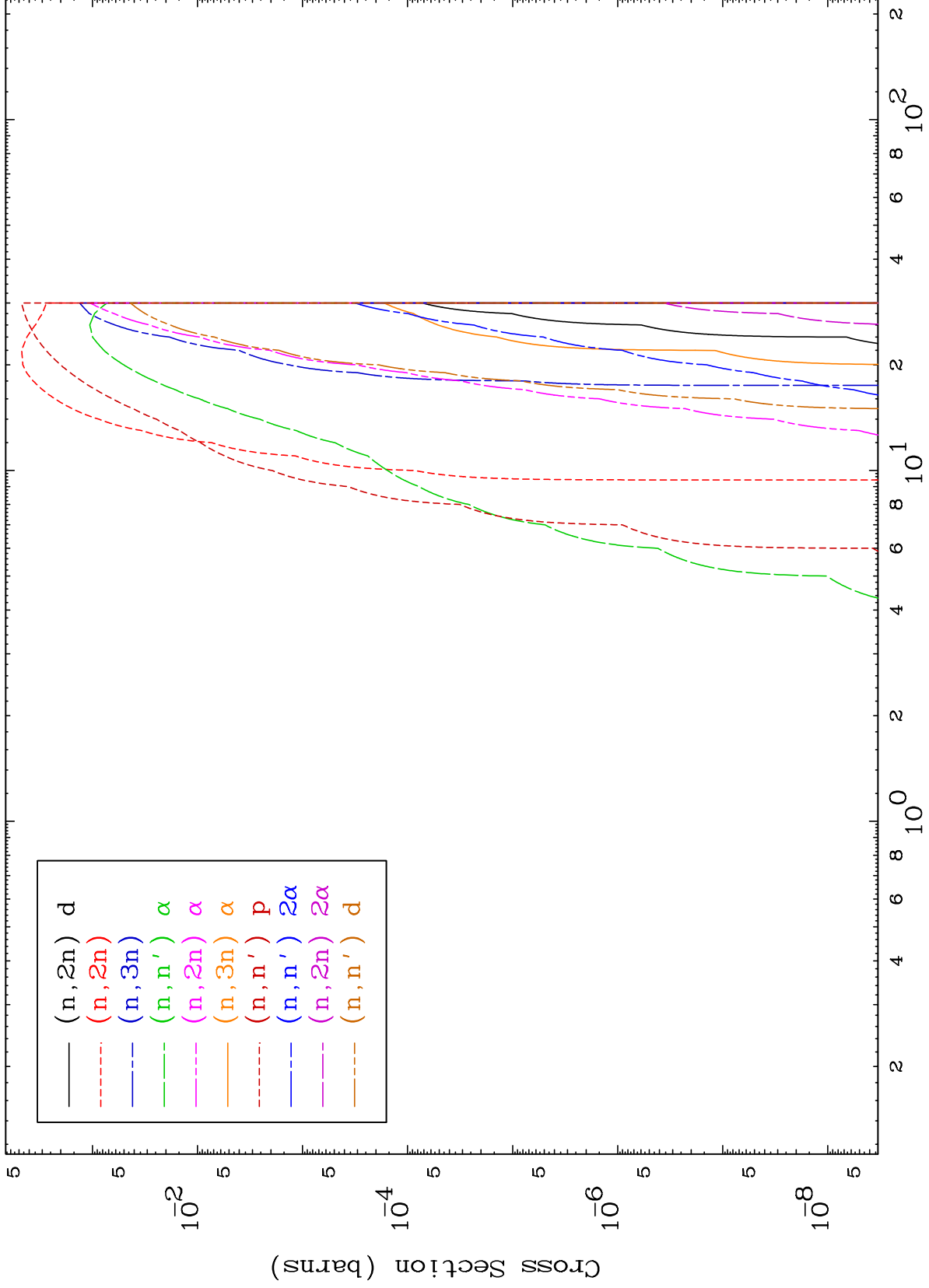
83-Bi-197



MAT 8289

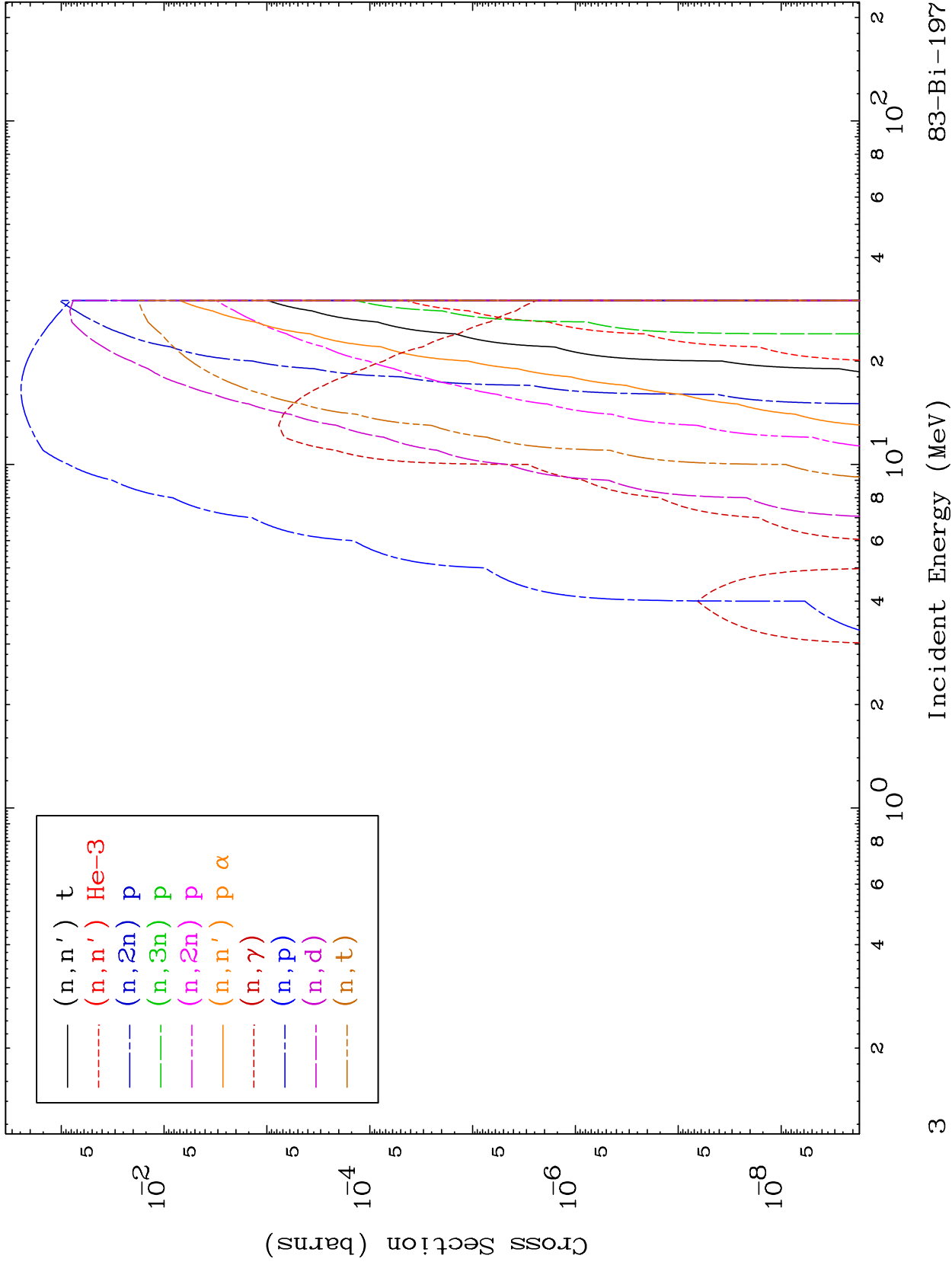
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

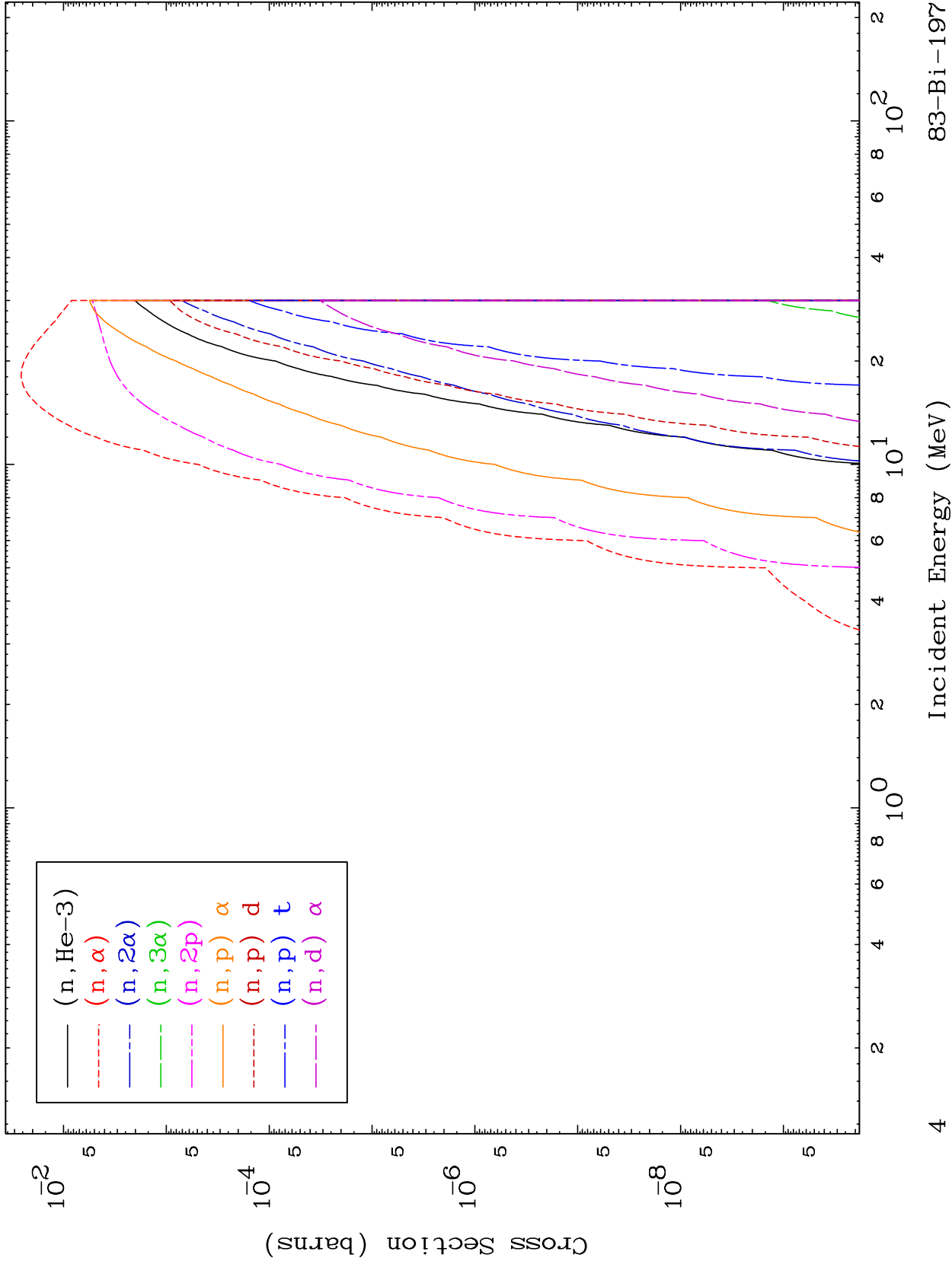
83-Bi-197

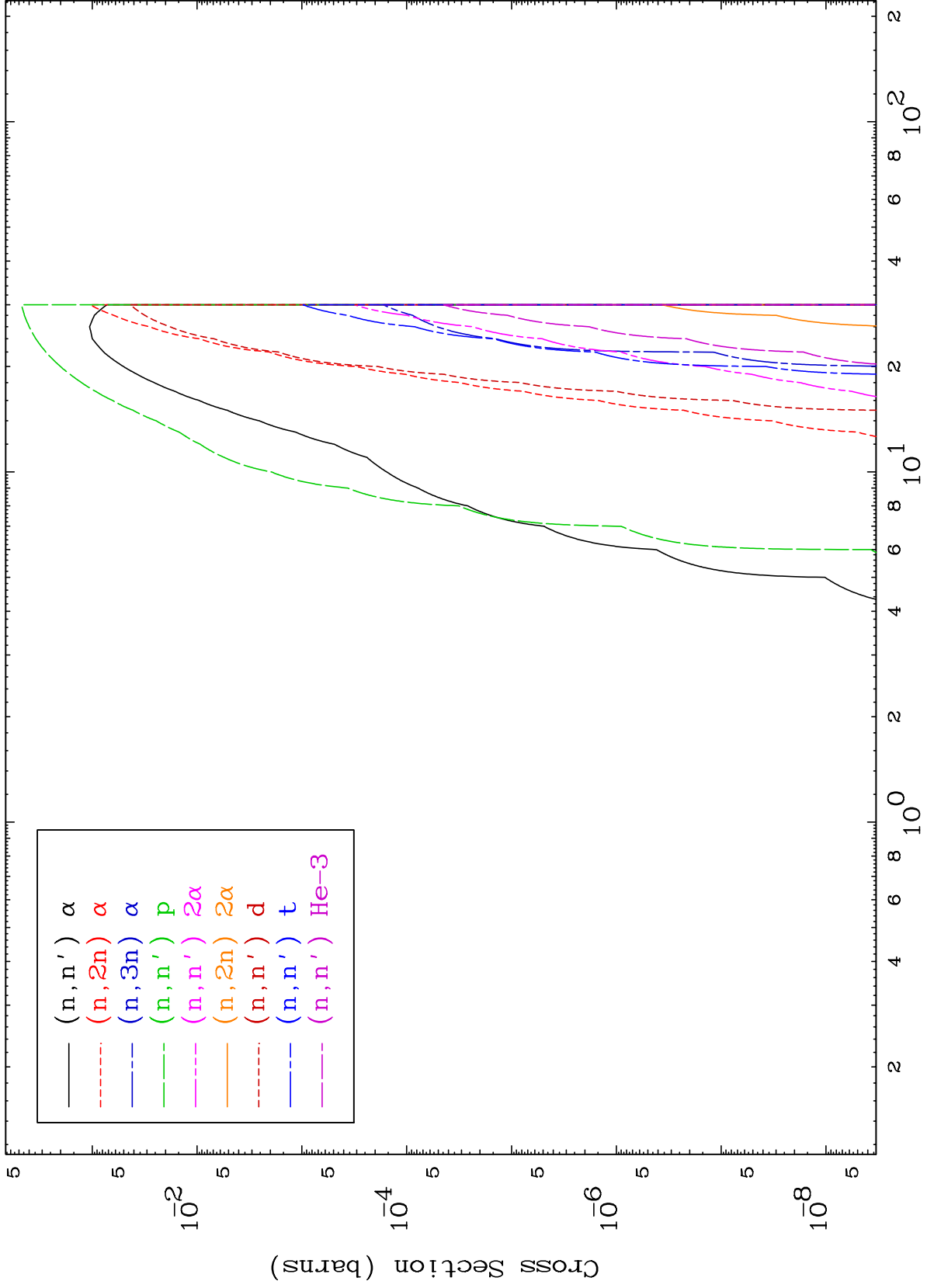


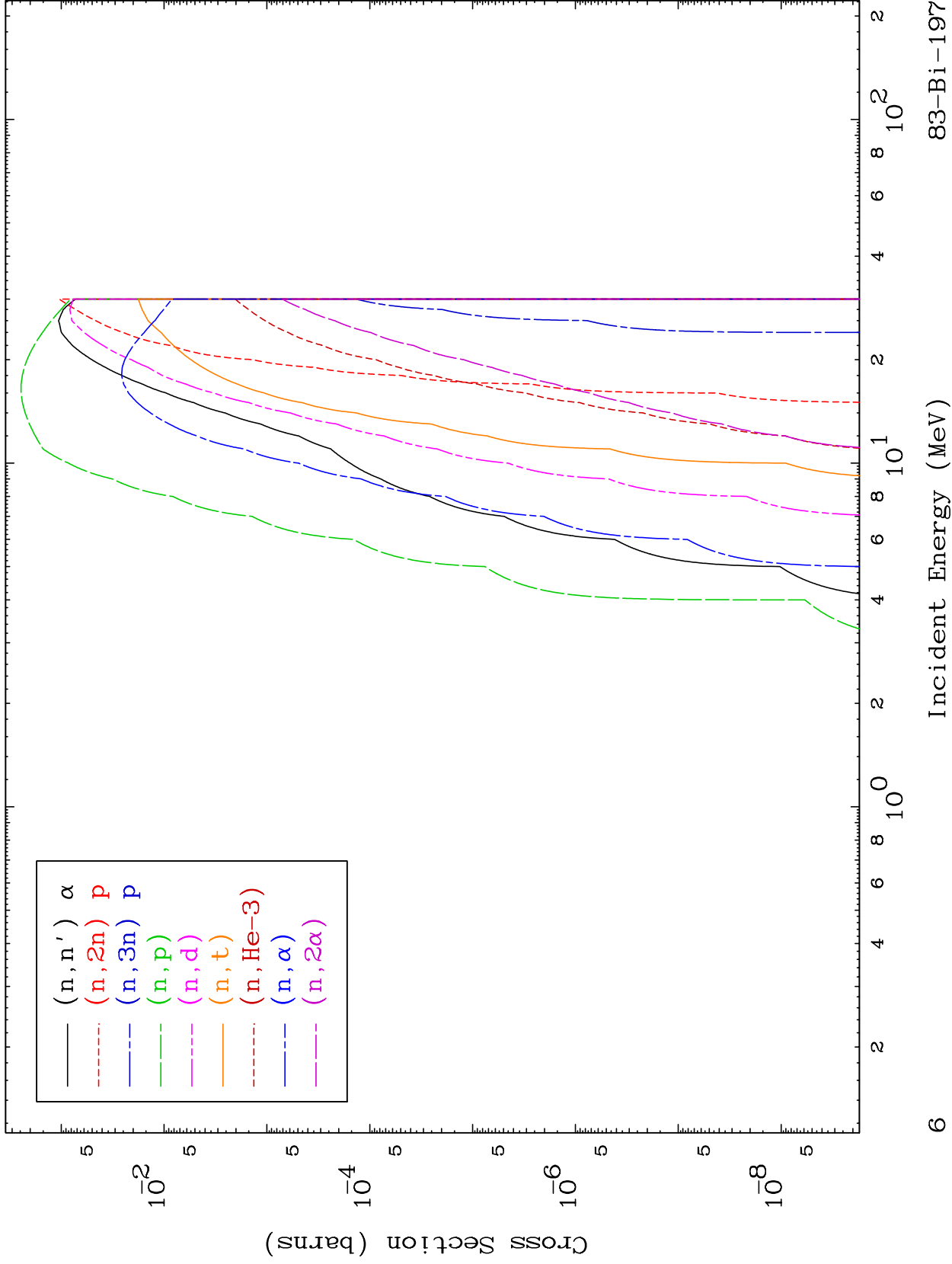
83-Bi-197

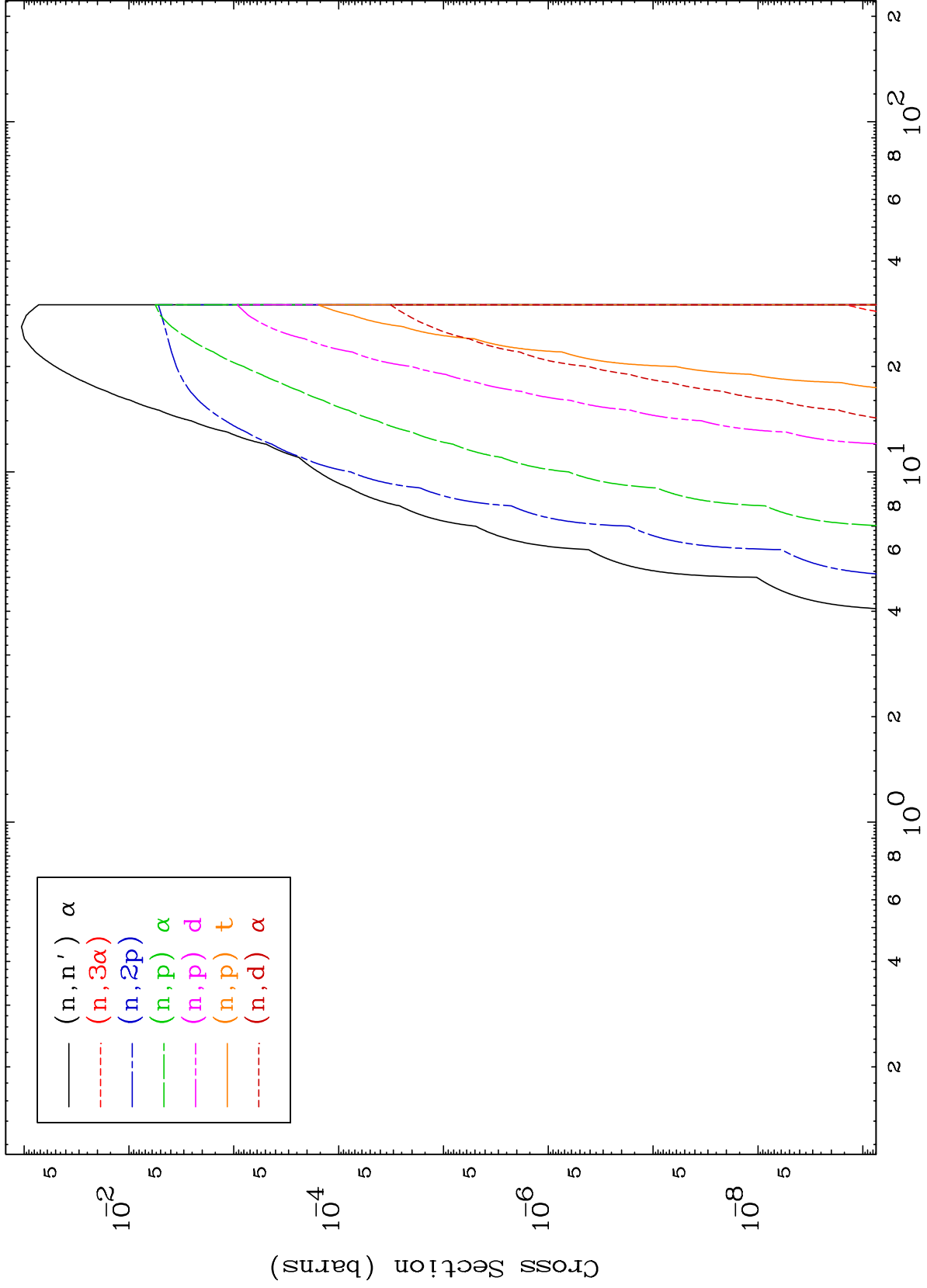
Incident Energy (MeV)









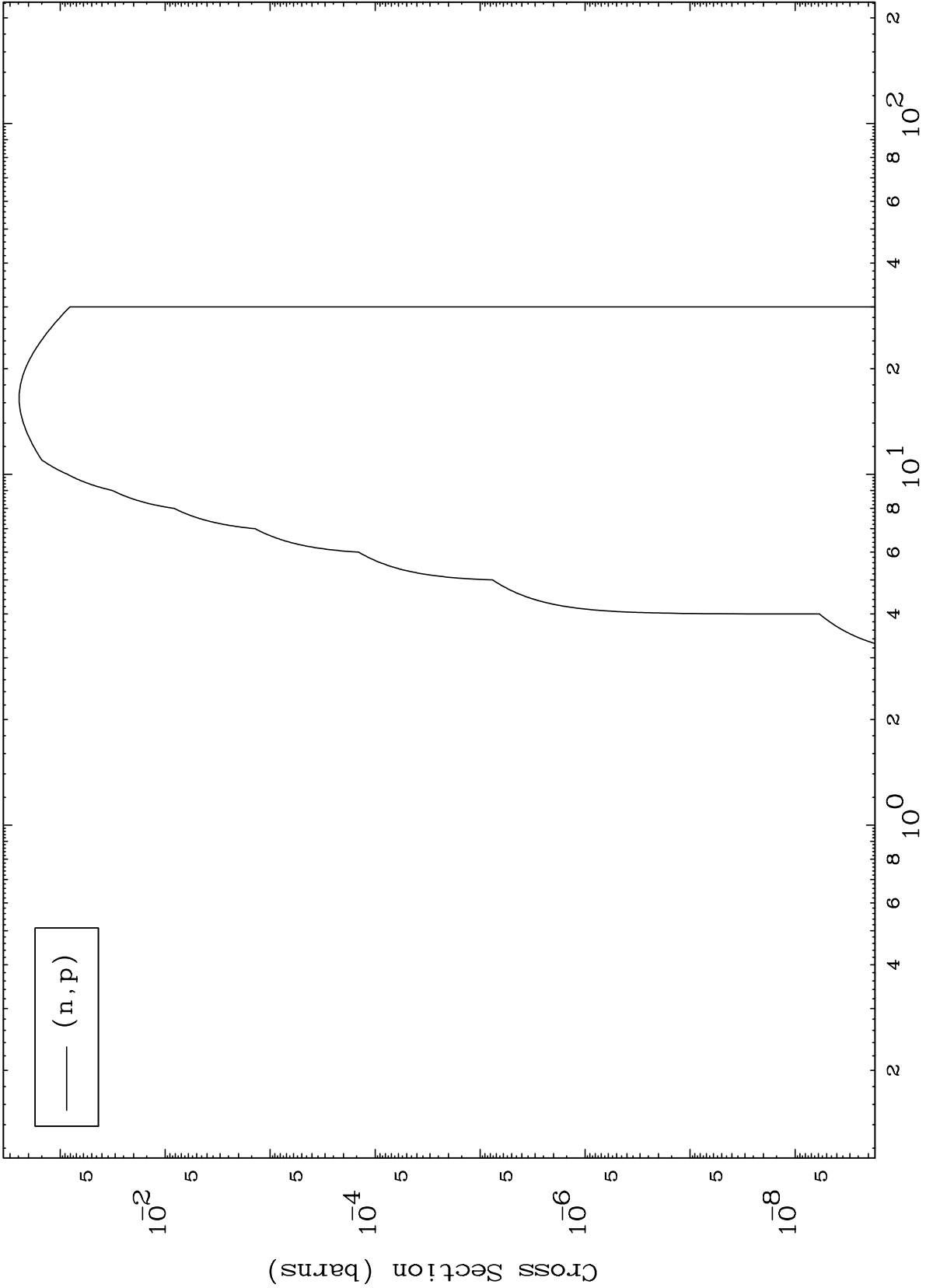


MAT 8289

(d,p) Levels

83-Bi-197

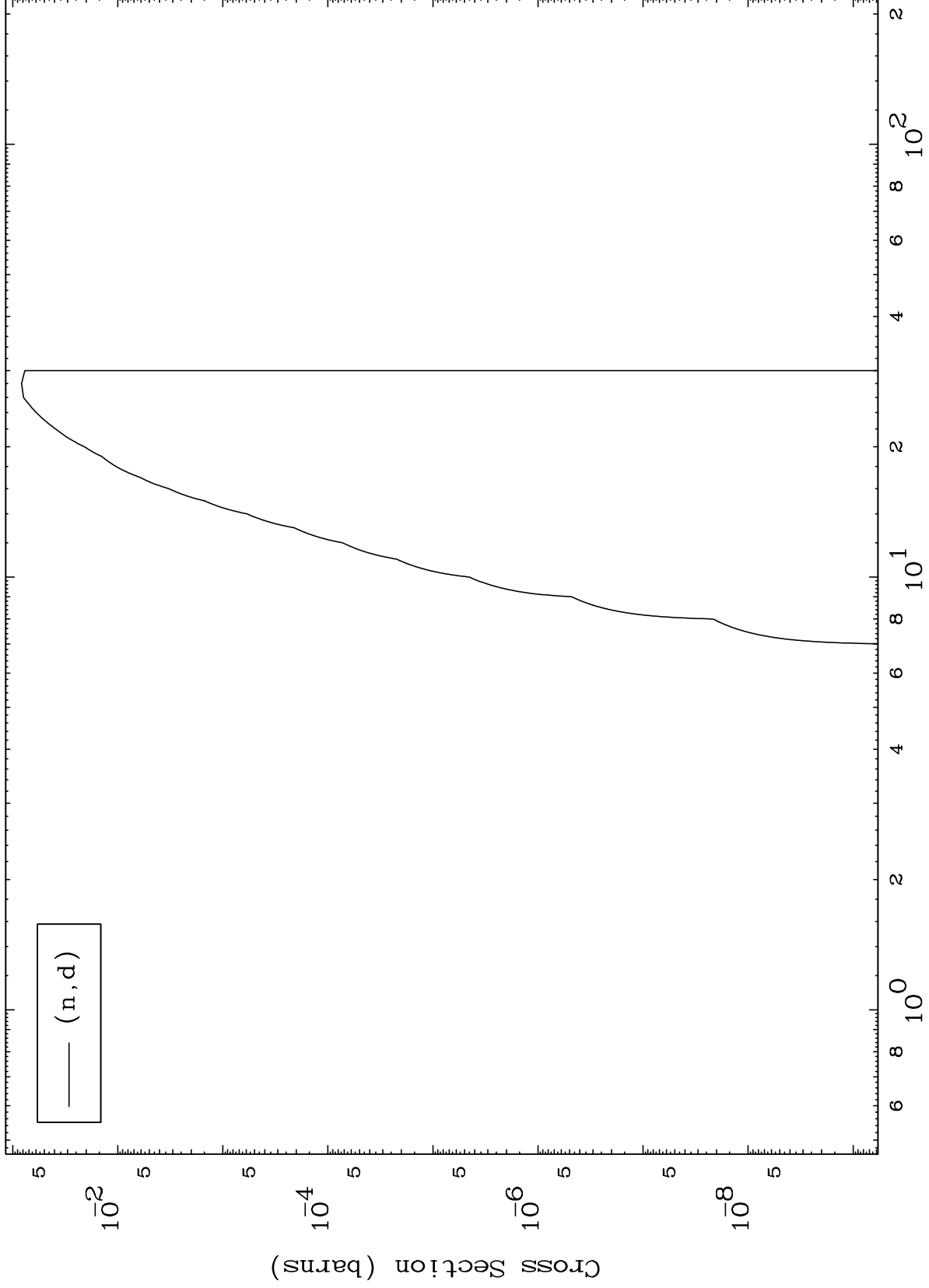
0 Kelvin Cross Sections



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(d,d) Levels  
0 Kelvin Cross Sections

83-Bi-197



9

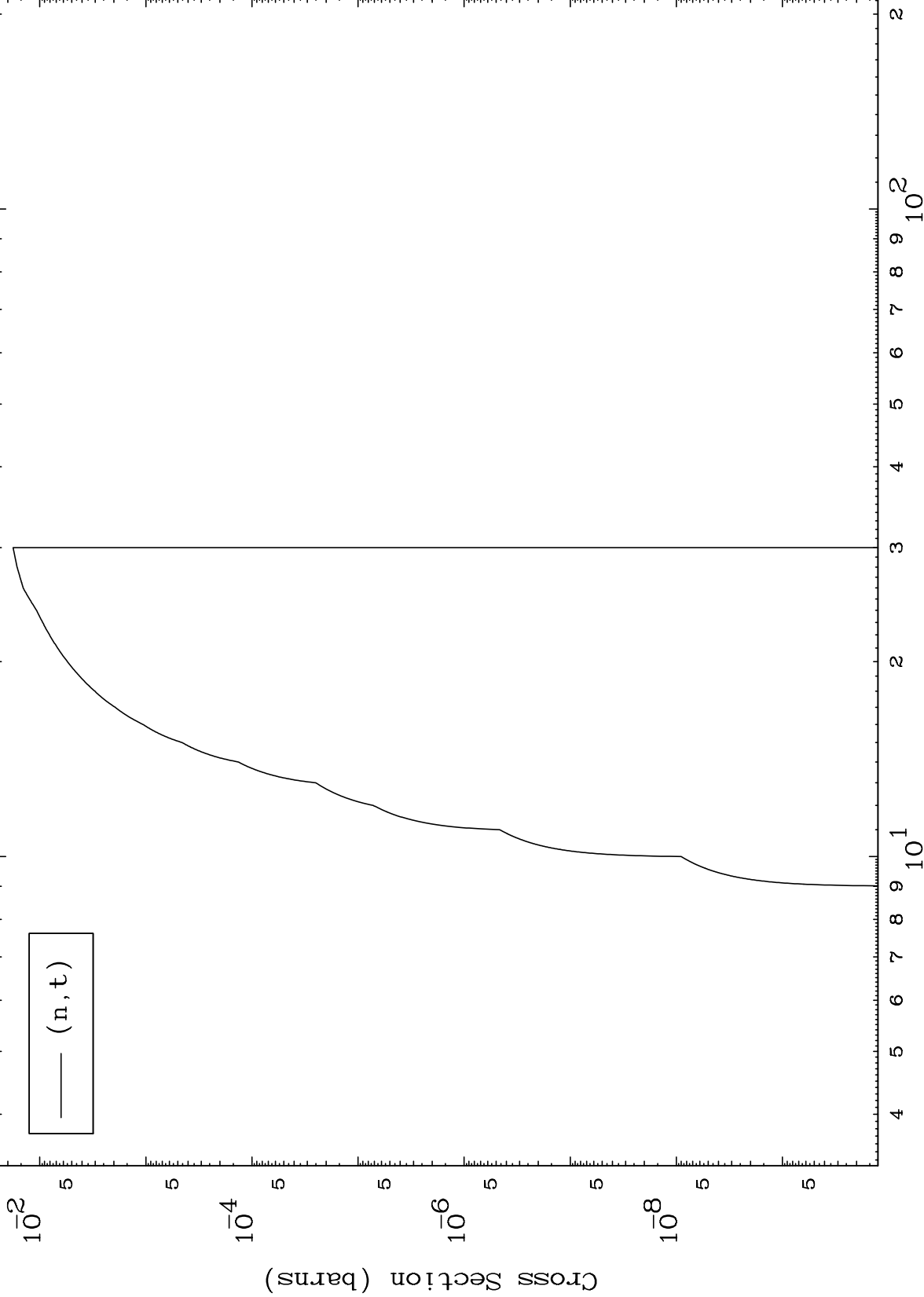
Incident Energy (MeV)

83-Bi-197

MAT 8289

(d,t) Levels  
0 Kelvin Cross Sections

83-Bi-197



10

Incident Energy (MeV)

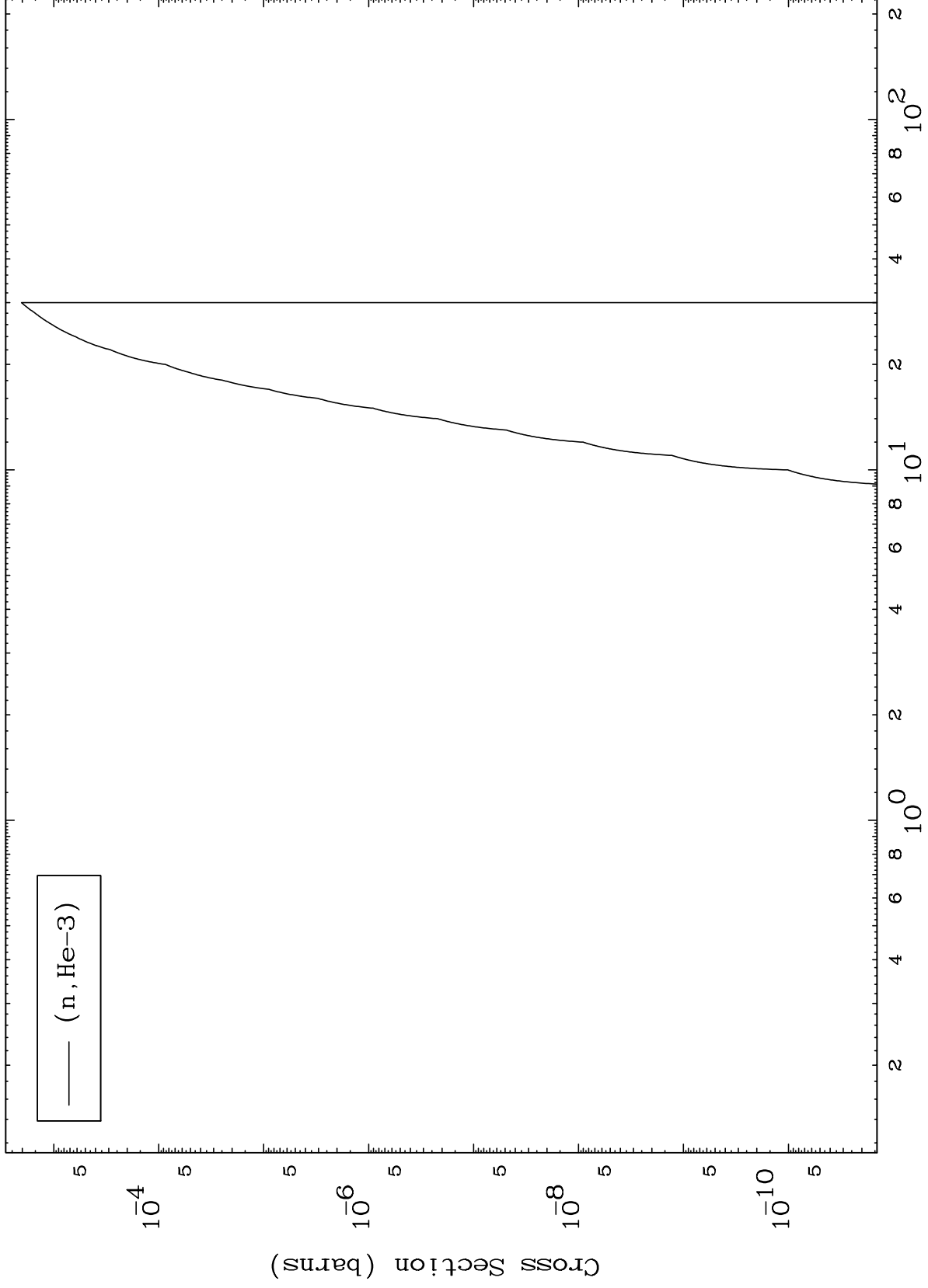
83-Bi-197

MAT 8289

(d,He3) Levels

83-Bi-197

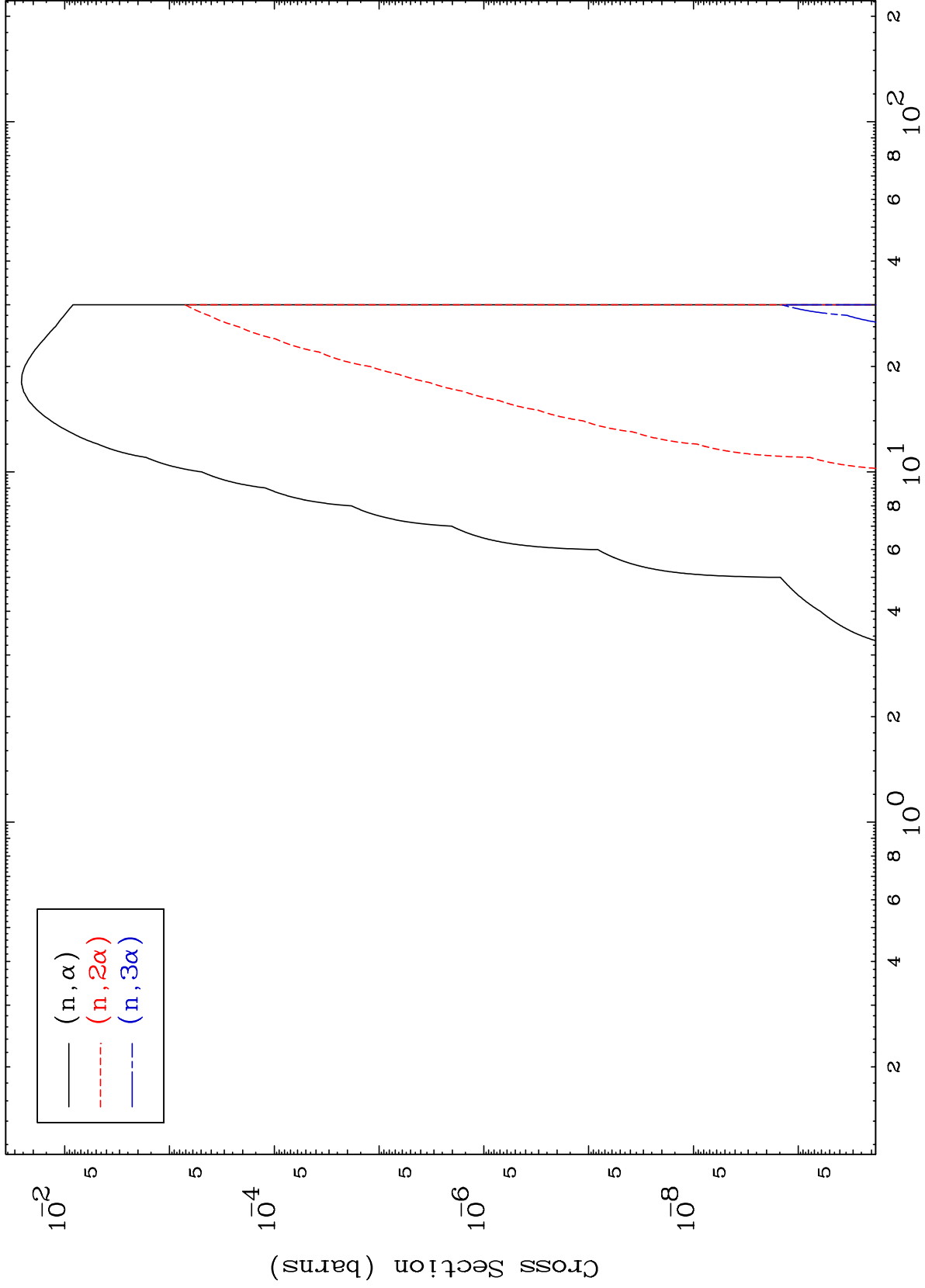
0 Kelvin Cross Sections



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(d,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

83-Bi-197



12

Incident Energy (MeV)

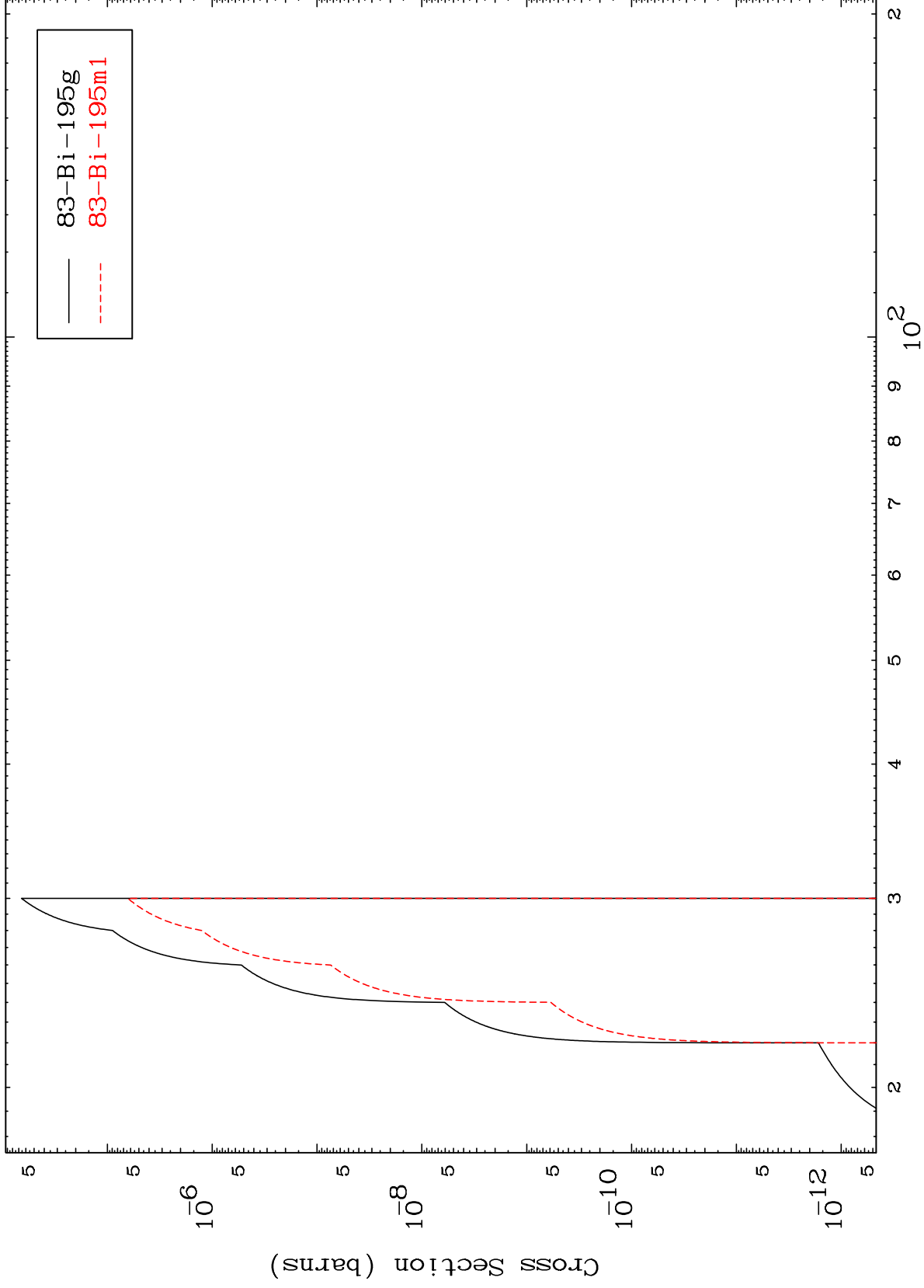
83-Bi-197

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(n,2n) d

83-Bi-197

Radionuclide Production Cross Section



13

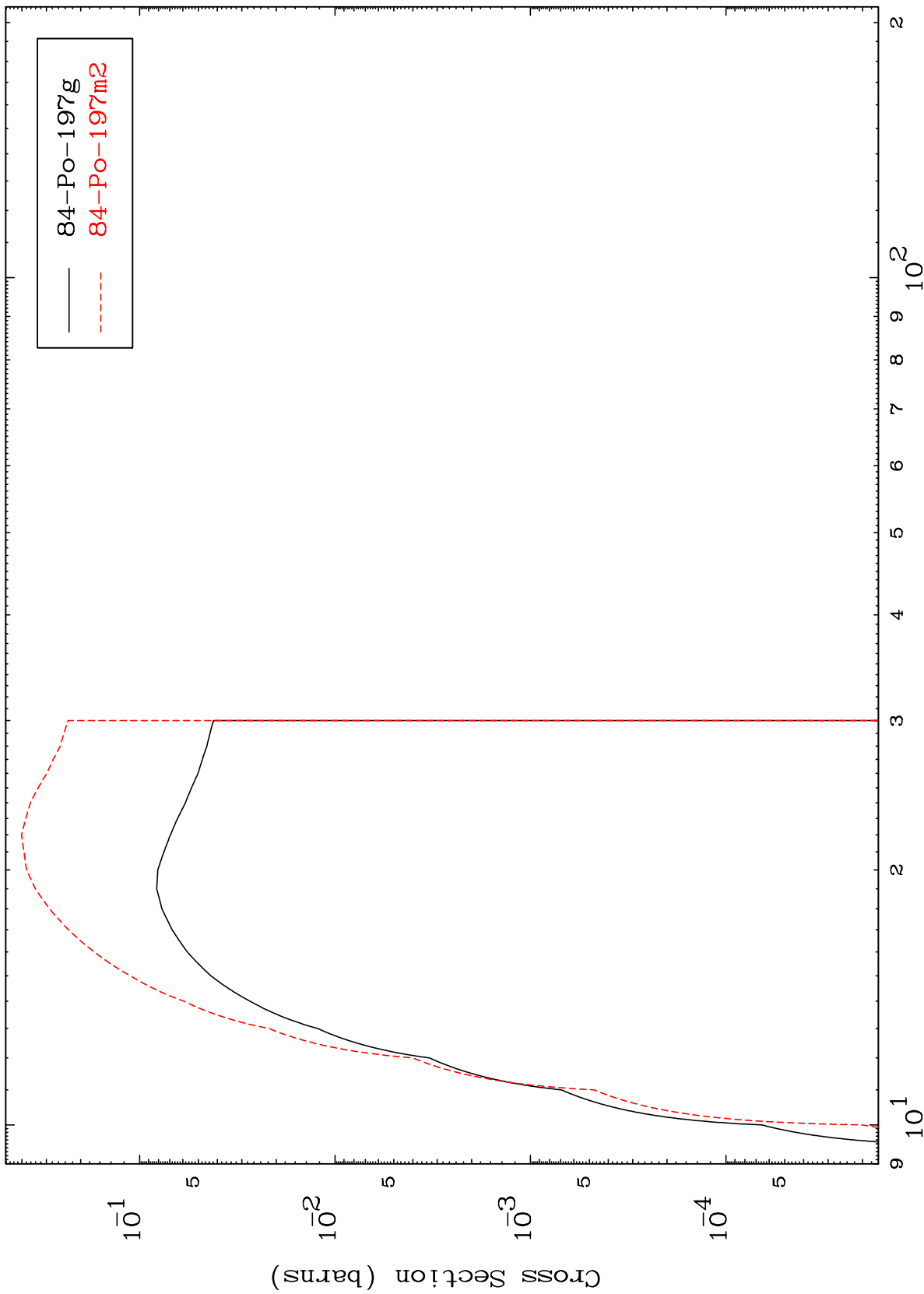
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(n,2n)  
Radionuclide Production Cross Section



83-Bi-197

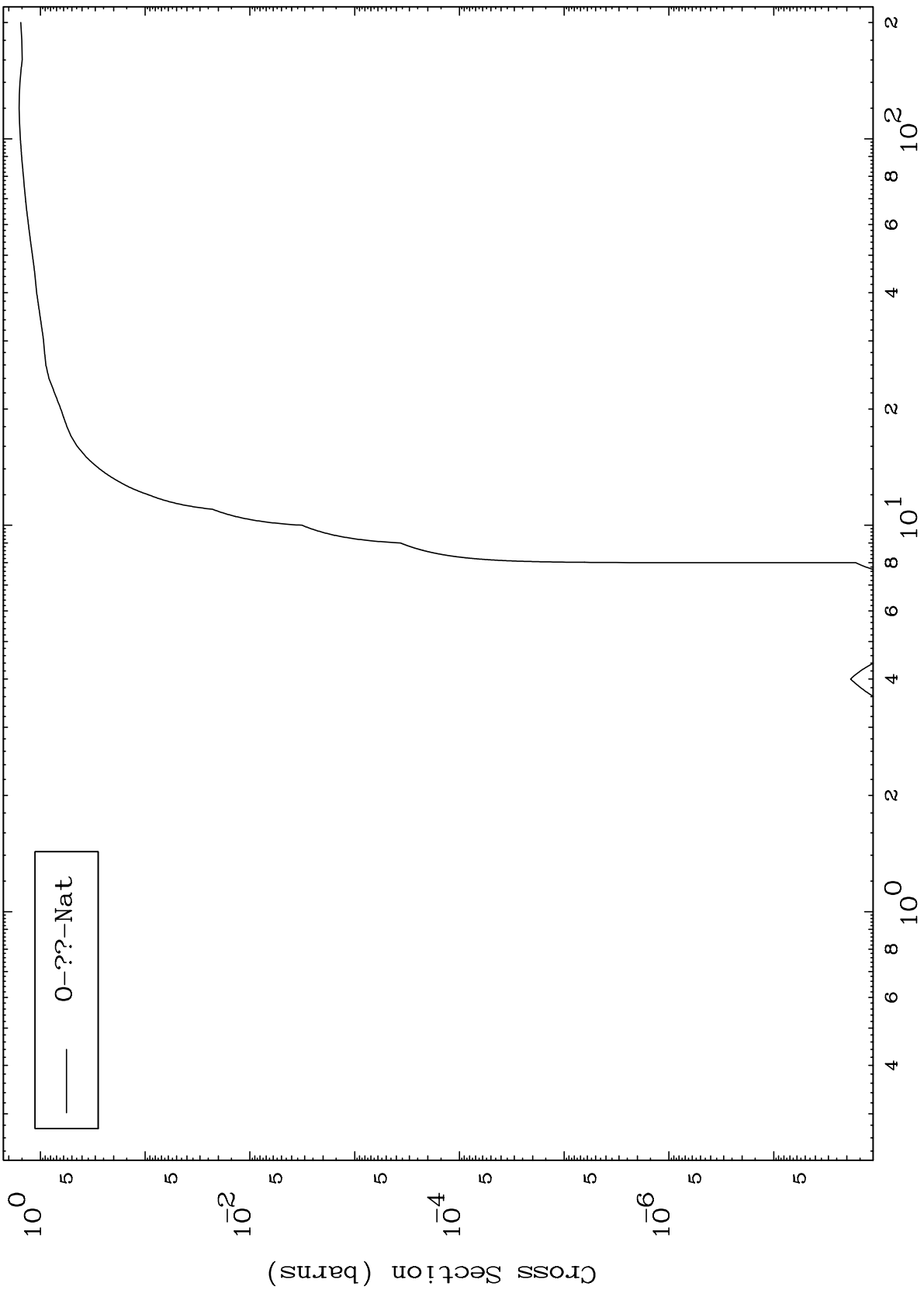
Incident Energy (MeV)

14

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83-Bi-197

Fission  
Radionuclide Production Cross Section

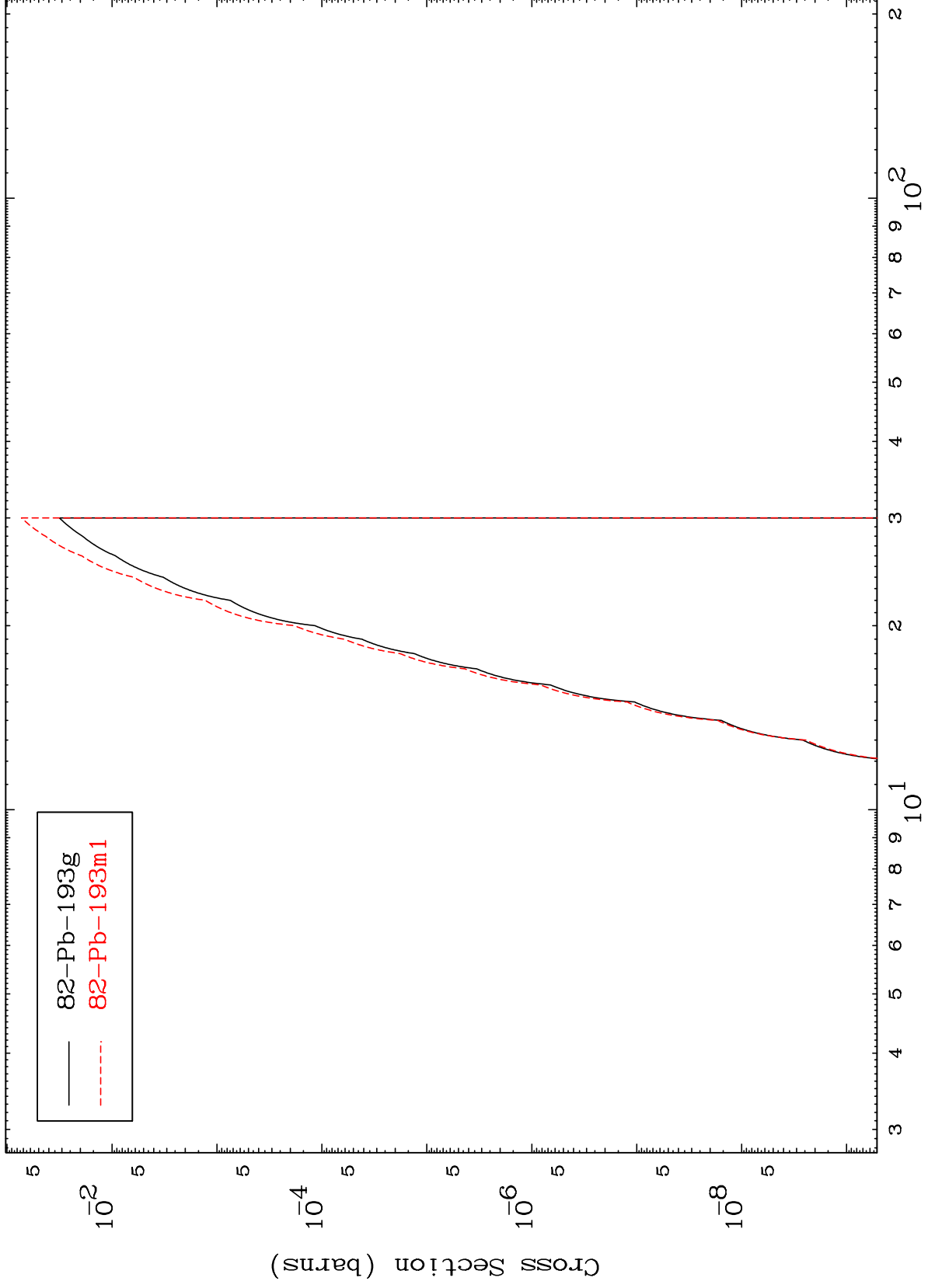


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$(n,2n) \alpha$

83-Bi-197

Radionuclide Production Cross Section



16

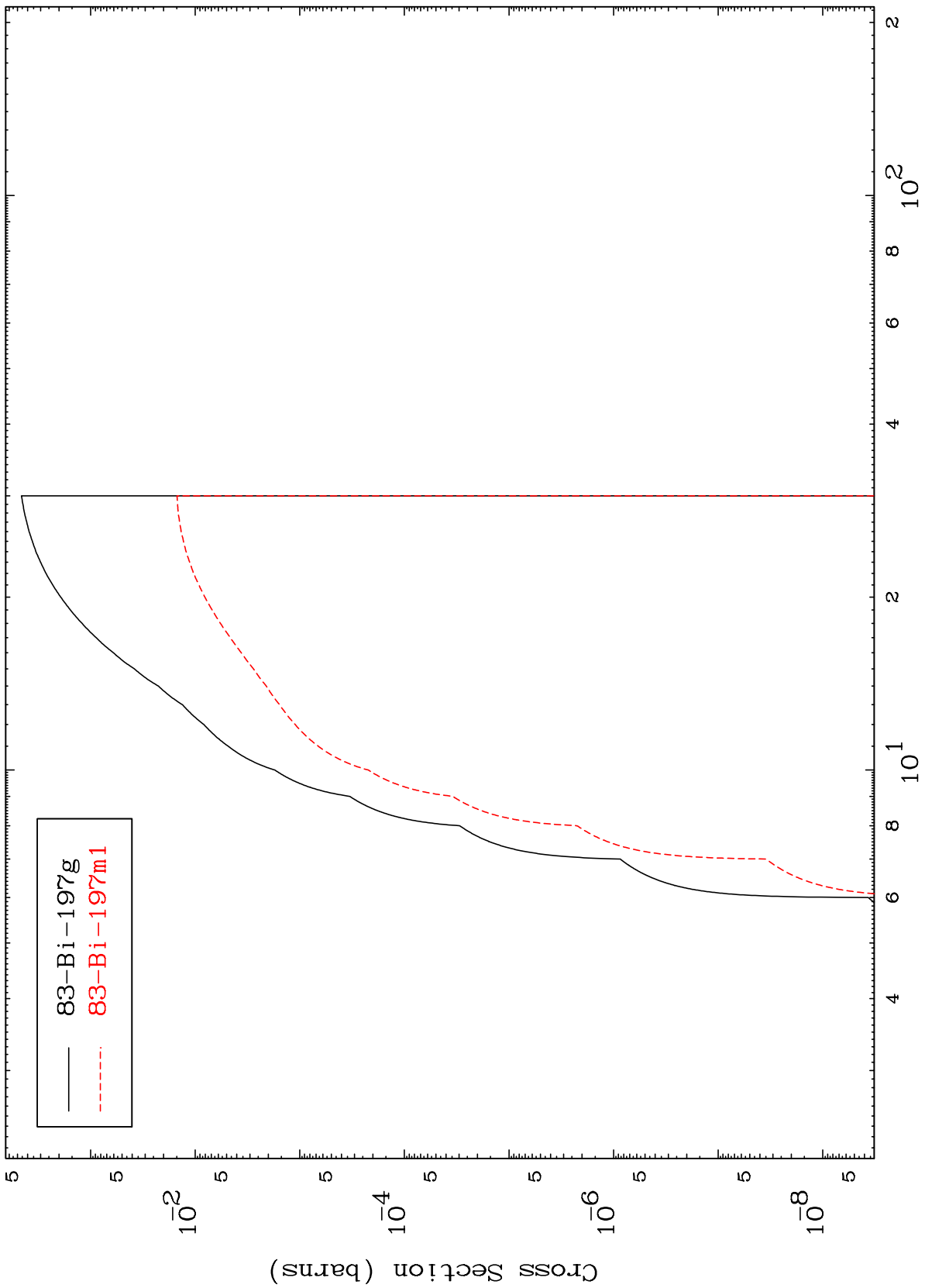
Incident Energy (MeV)

83-Bi-197

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83-Bi-197

(n,n') p  
Radionuclide Production Cross Section



17

83-Bi-197

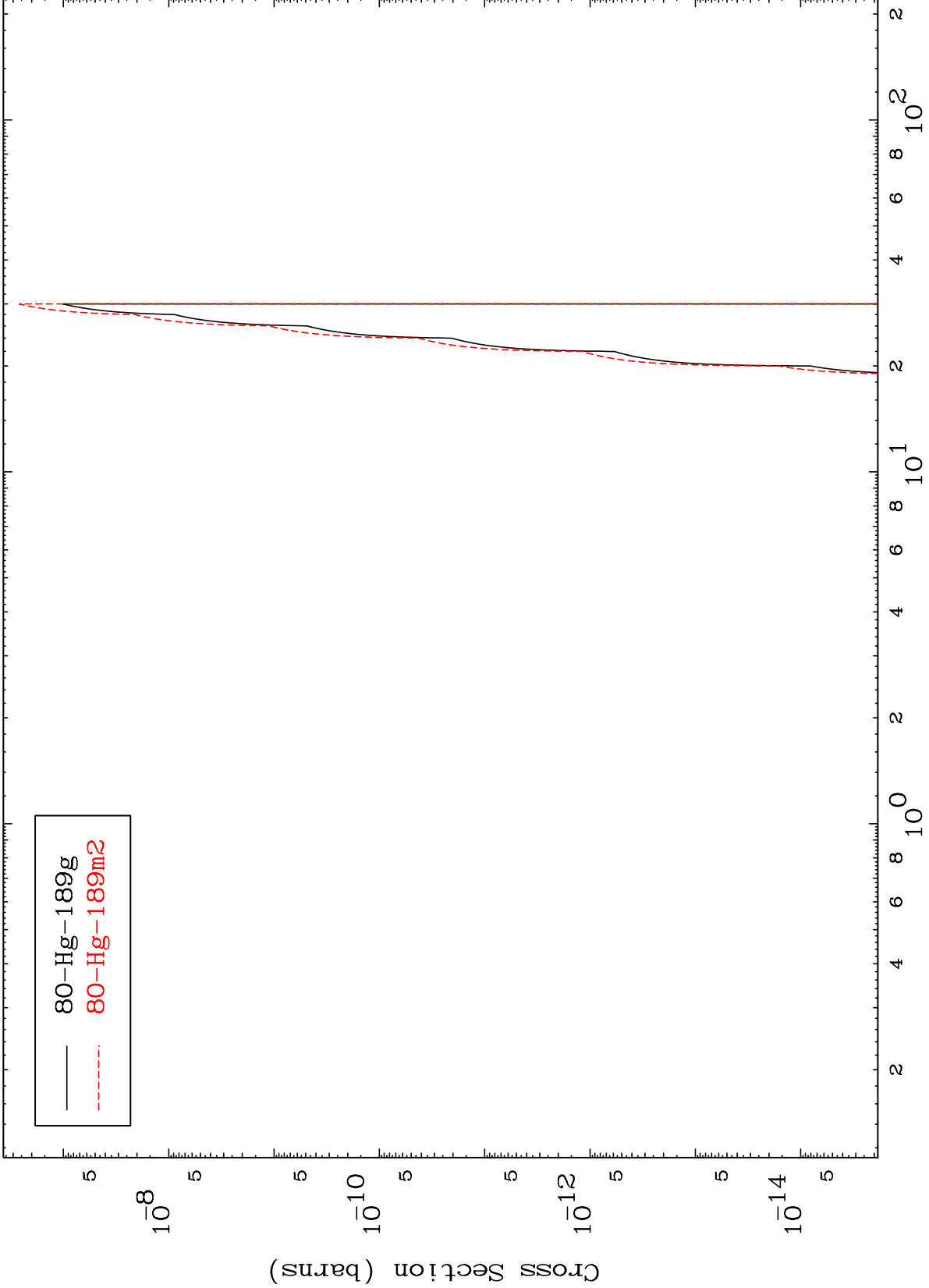
Incident Energy (MeV)

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(n,2n) 2α

83-Bi-197

Radionuclide Production Cross Section



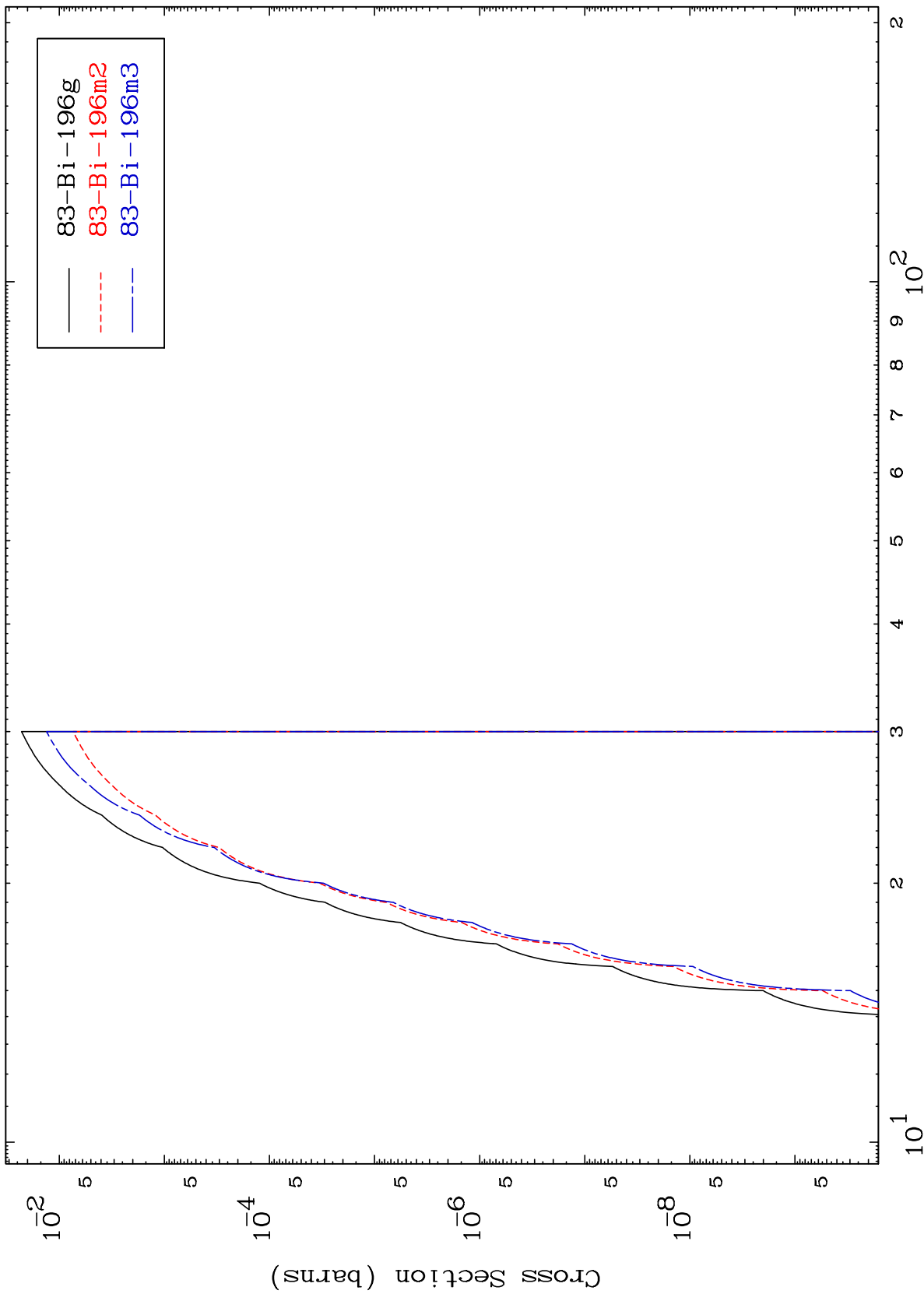
80-Hg-189g  
80-Hg-189m2

MAT 8289

(n,n') d

83-Bi-197

Radionuclide Production Cross Section



Incident Energy (MeV)

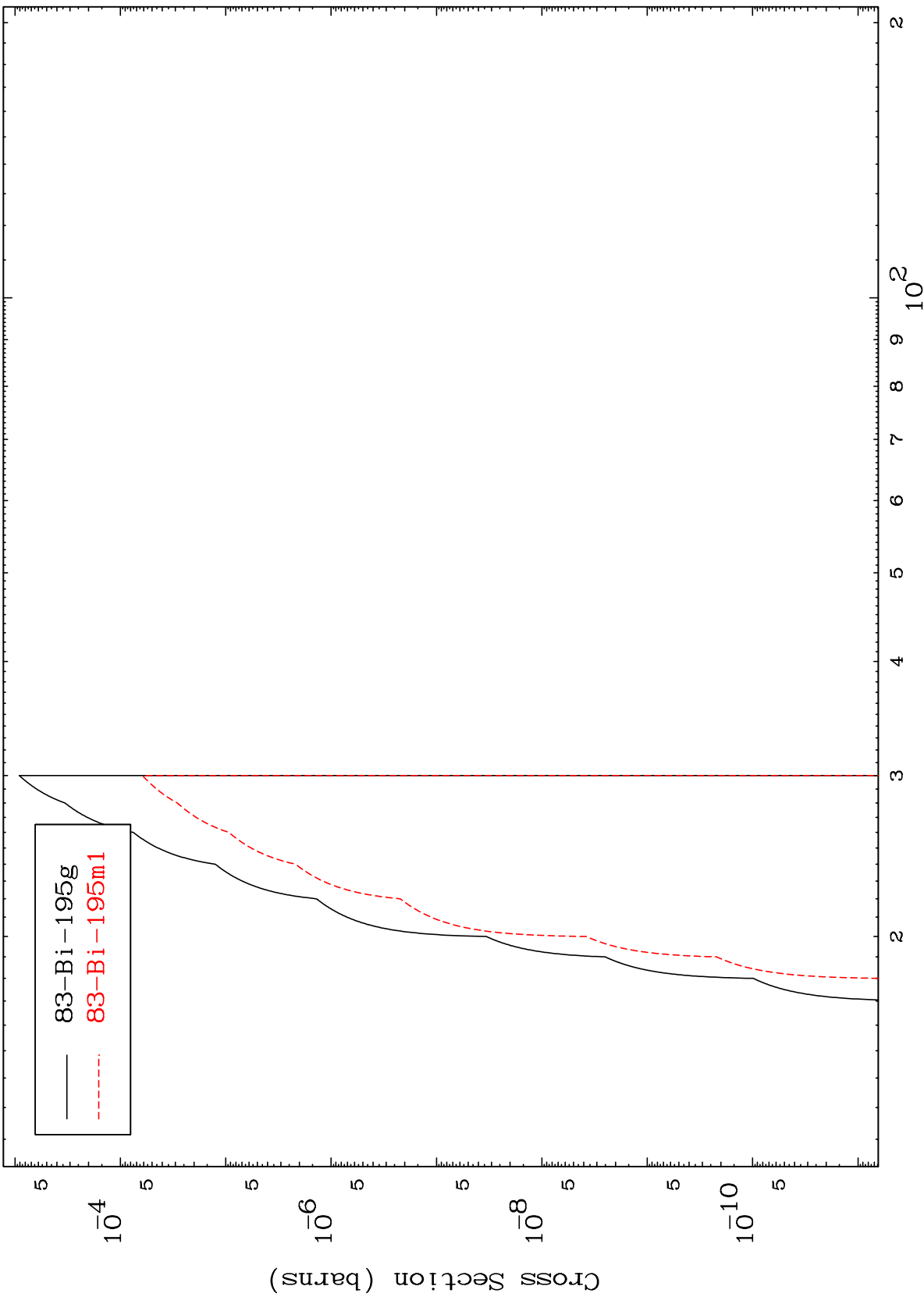
83-Bi-197

MAT 8289

(n,n') t

83-Bi-197

Radionuclide Production Cross Section



20

Incident Energy (MeV)

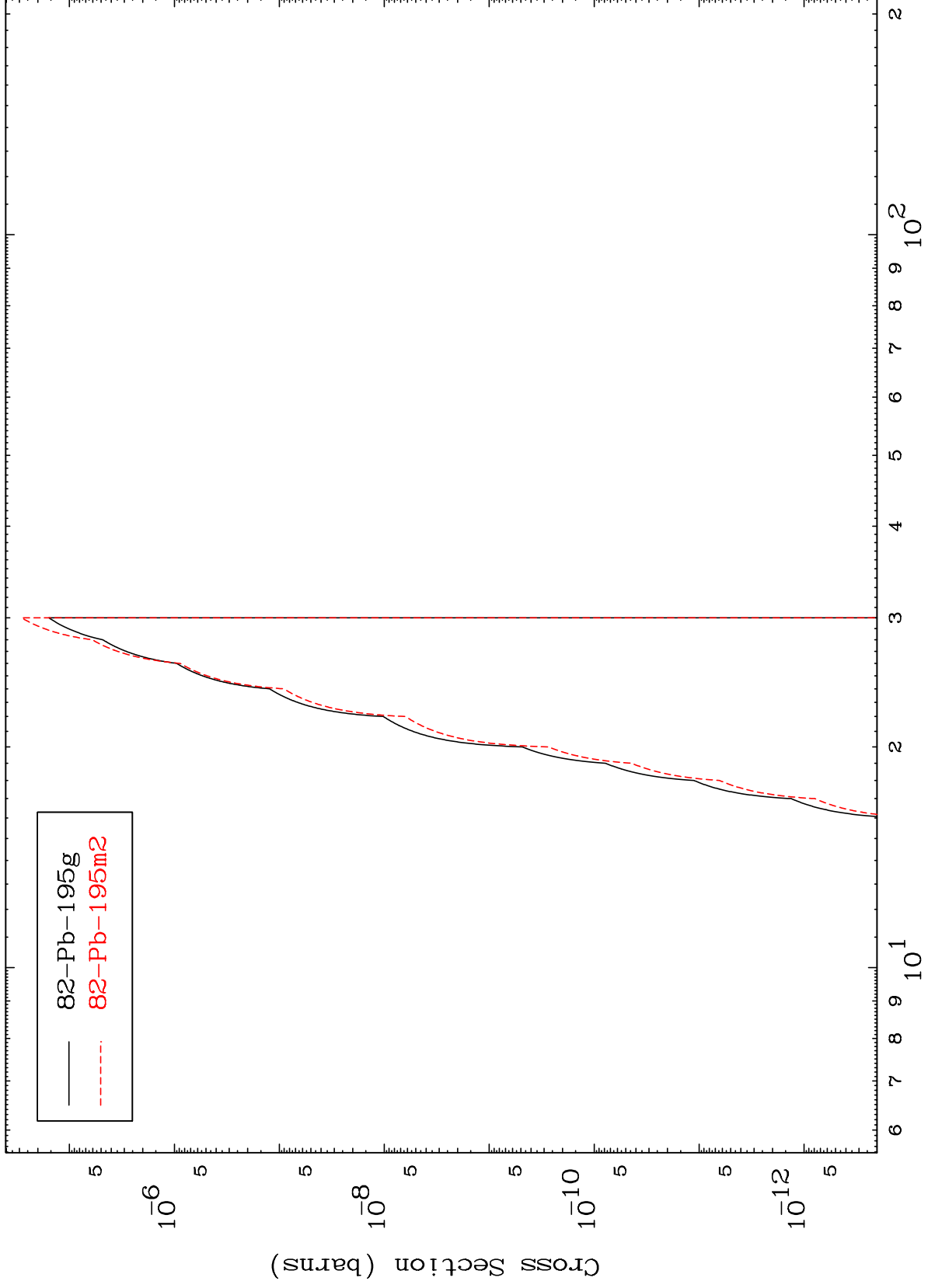
83-Bi-197

MAT 8289

(n,n') He-3

83-Bi-197

Radionuclide Production Cross Section

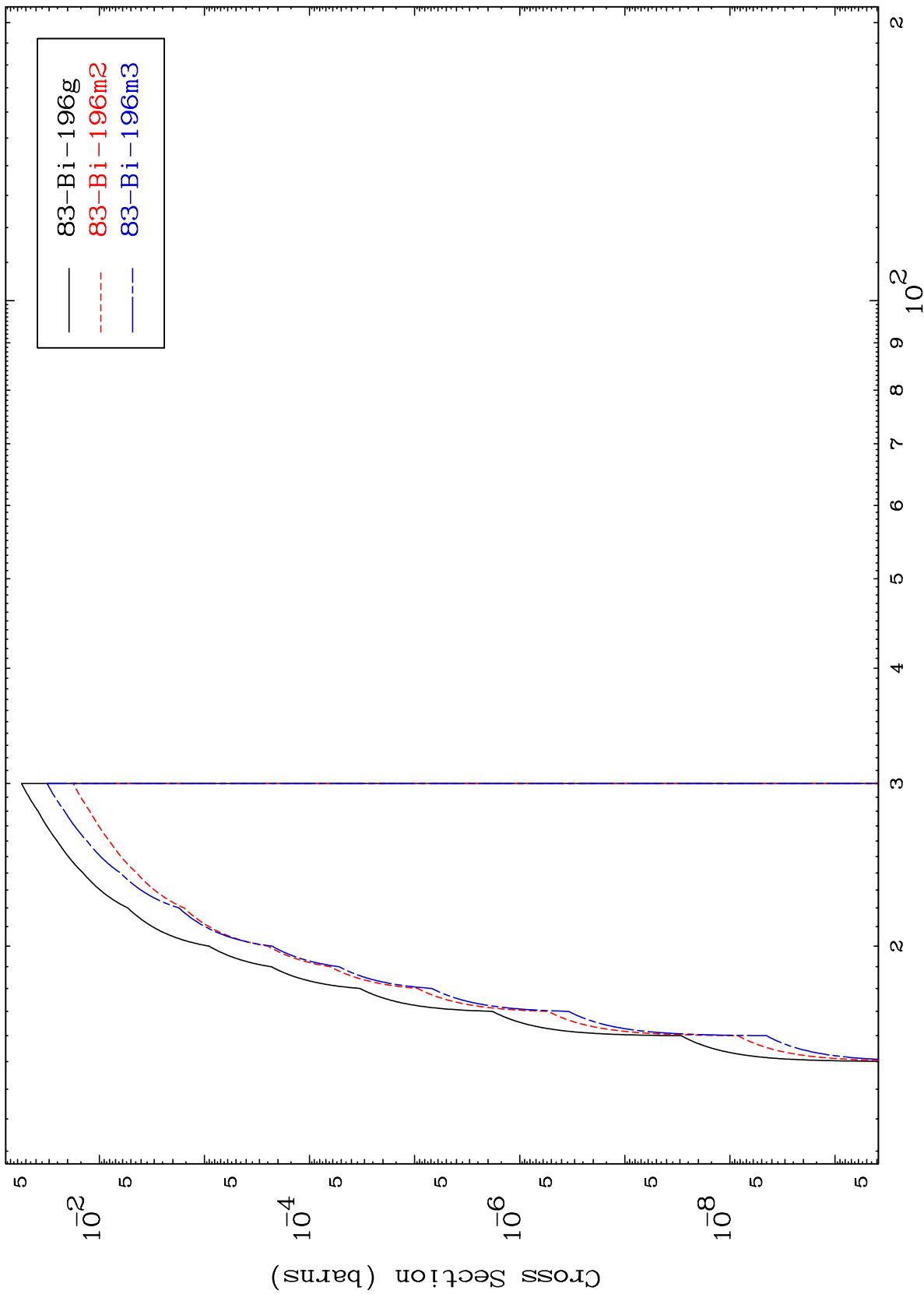


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$(n,2n)$  p

83-Bi-197

Radionuclide Production Cross Section



22

Incident Energy (MeV)

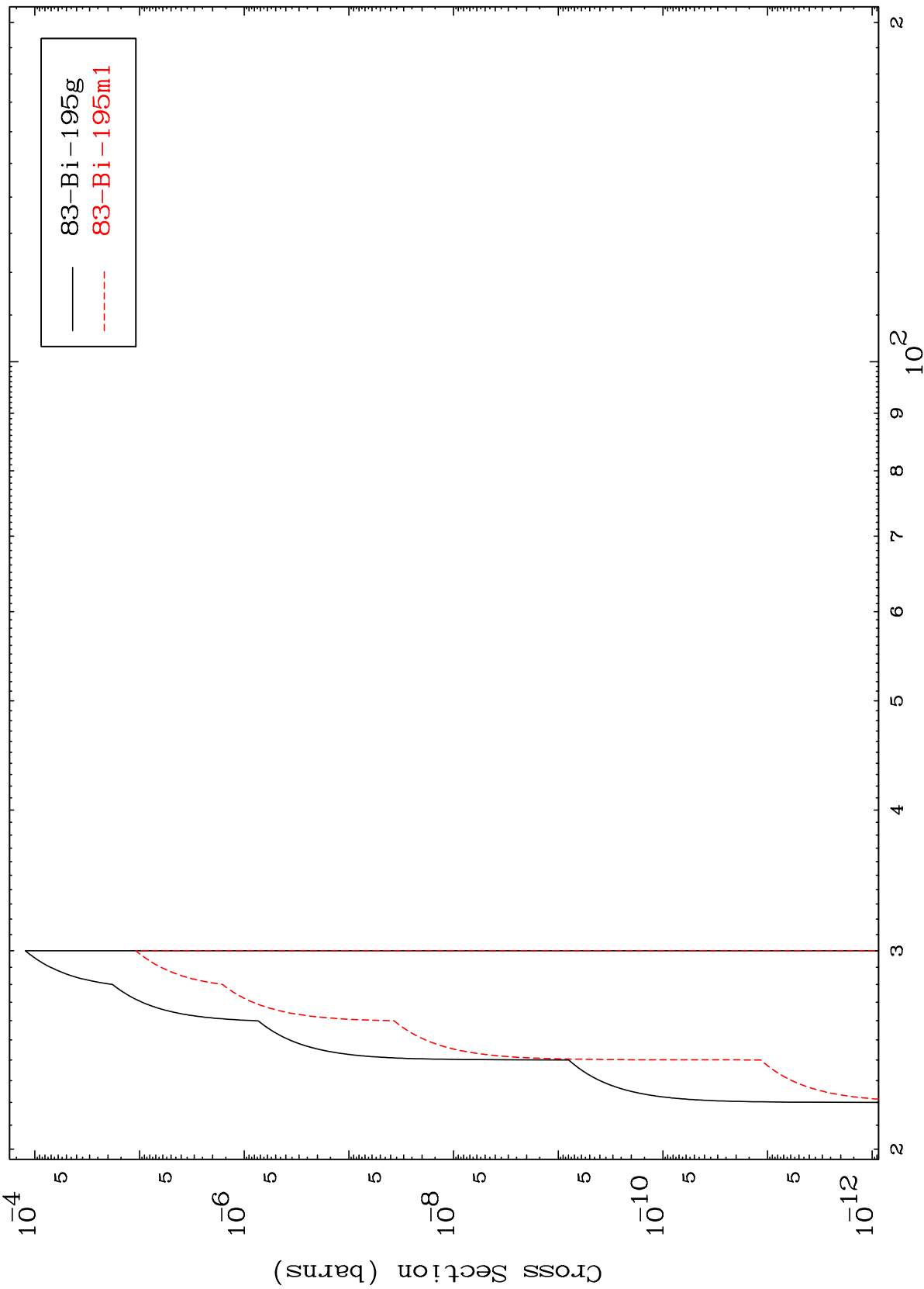
83-Bi-197

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(n,3n) p

83-Bi-197

Radionuclide Production Cross Section



23

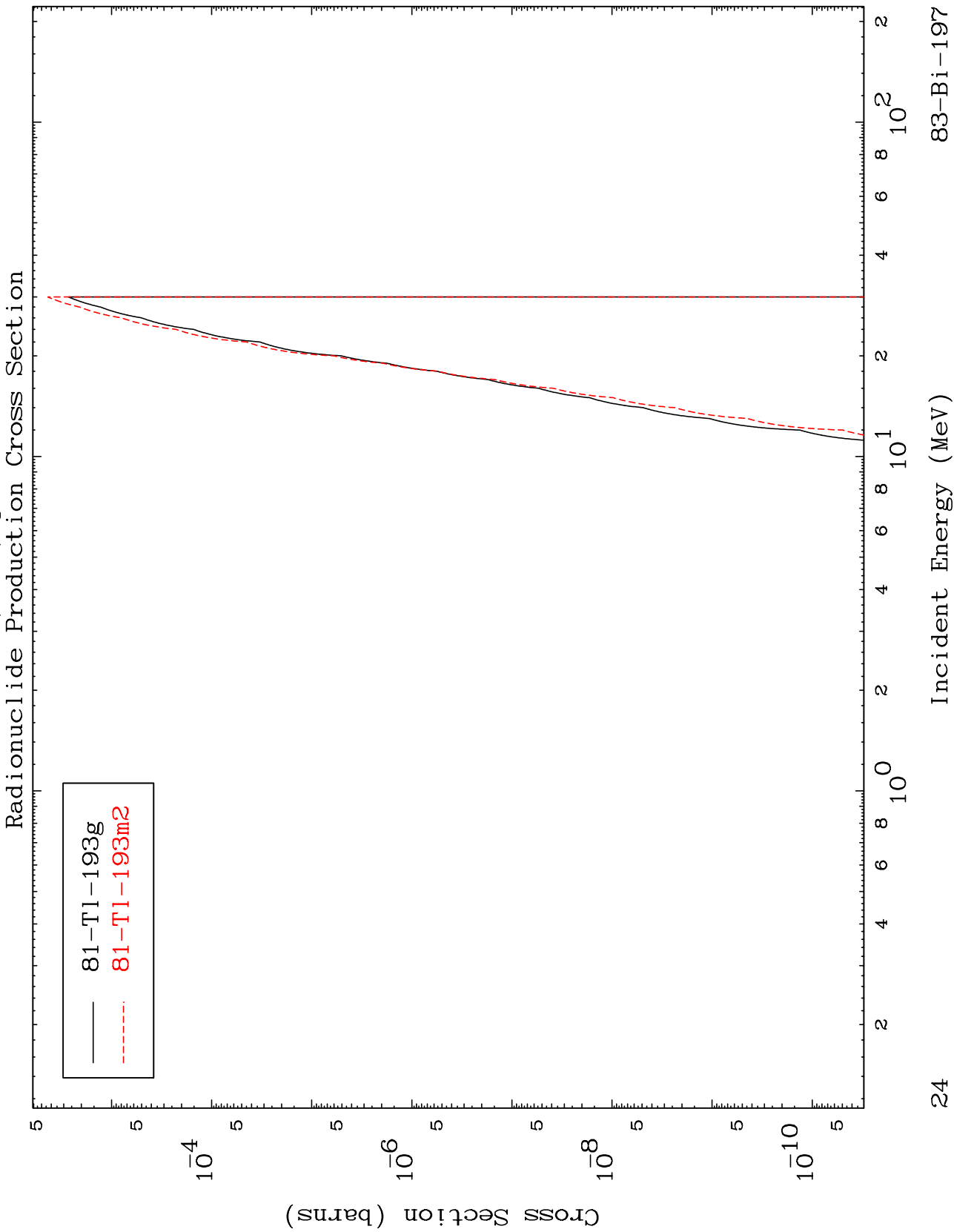
Incident Energy (MeV)

83-Bi-197

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(n,n') p  $\alpha$

83-Bi-197



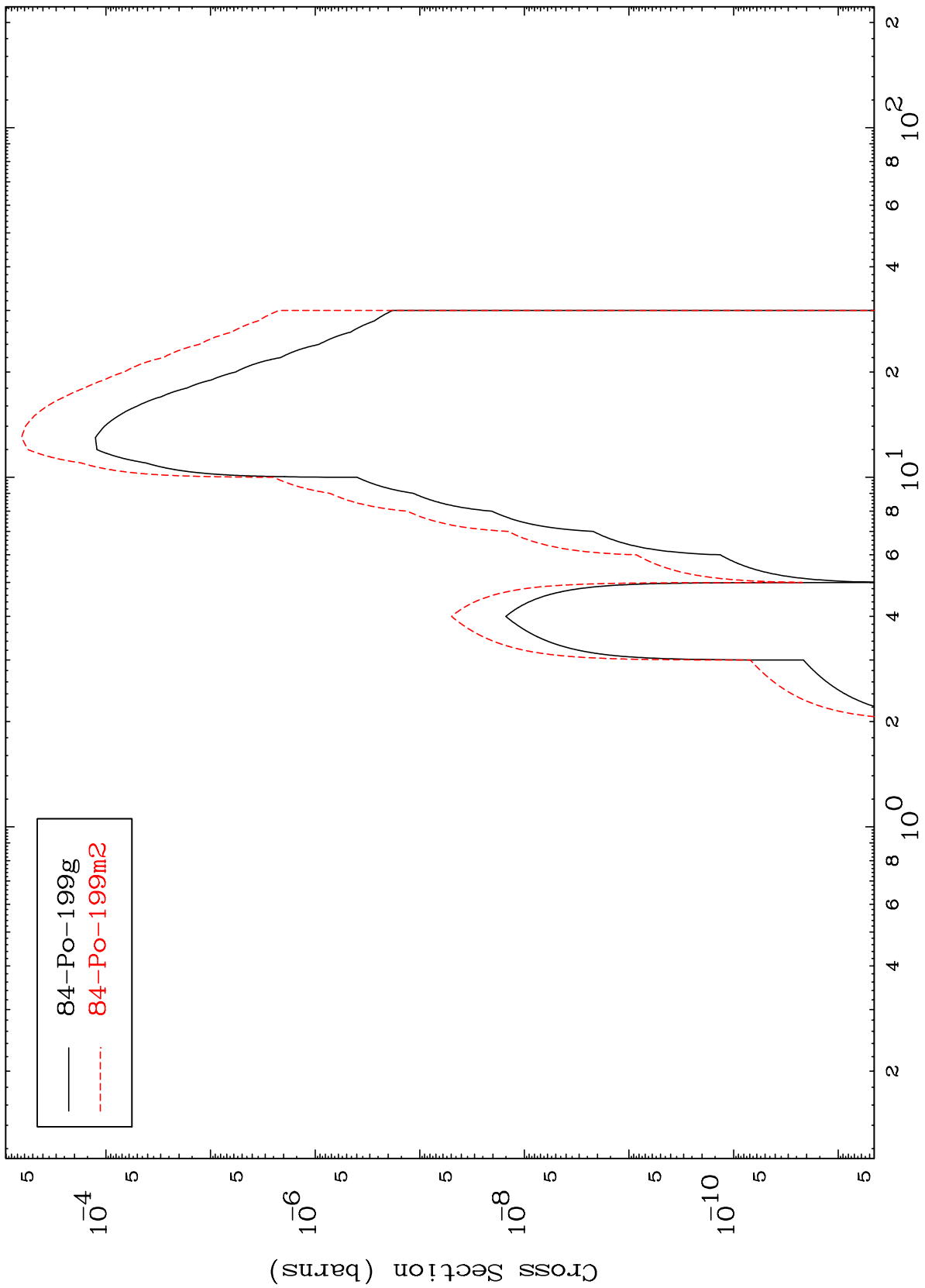
24

83-Bi-197

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83-Bi-197

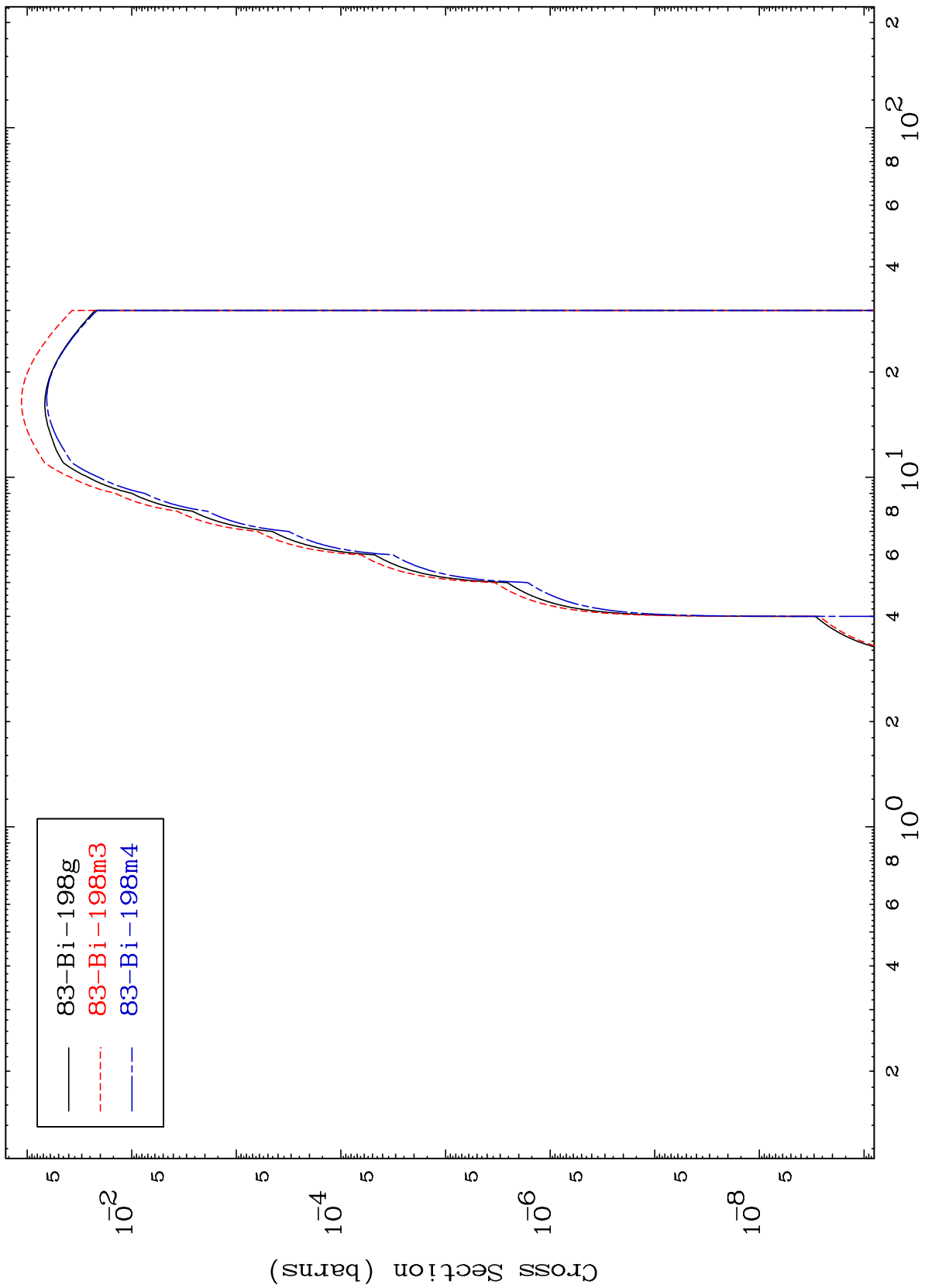
(n,γ)  
Radionuclide Production Cross Section



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83-Bi-197

(n,p)  
Radionuclide Production Cross Section



83-Bi-197

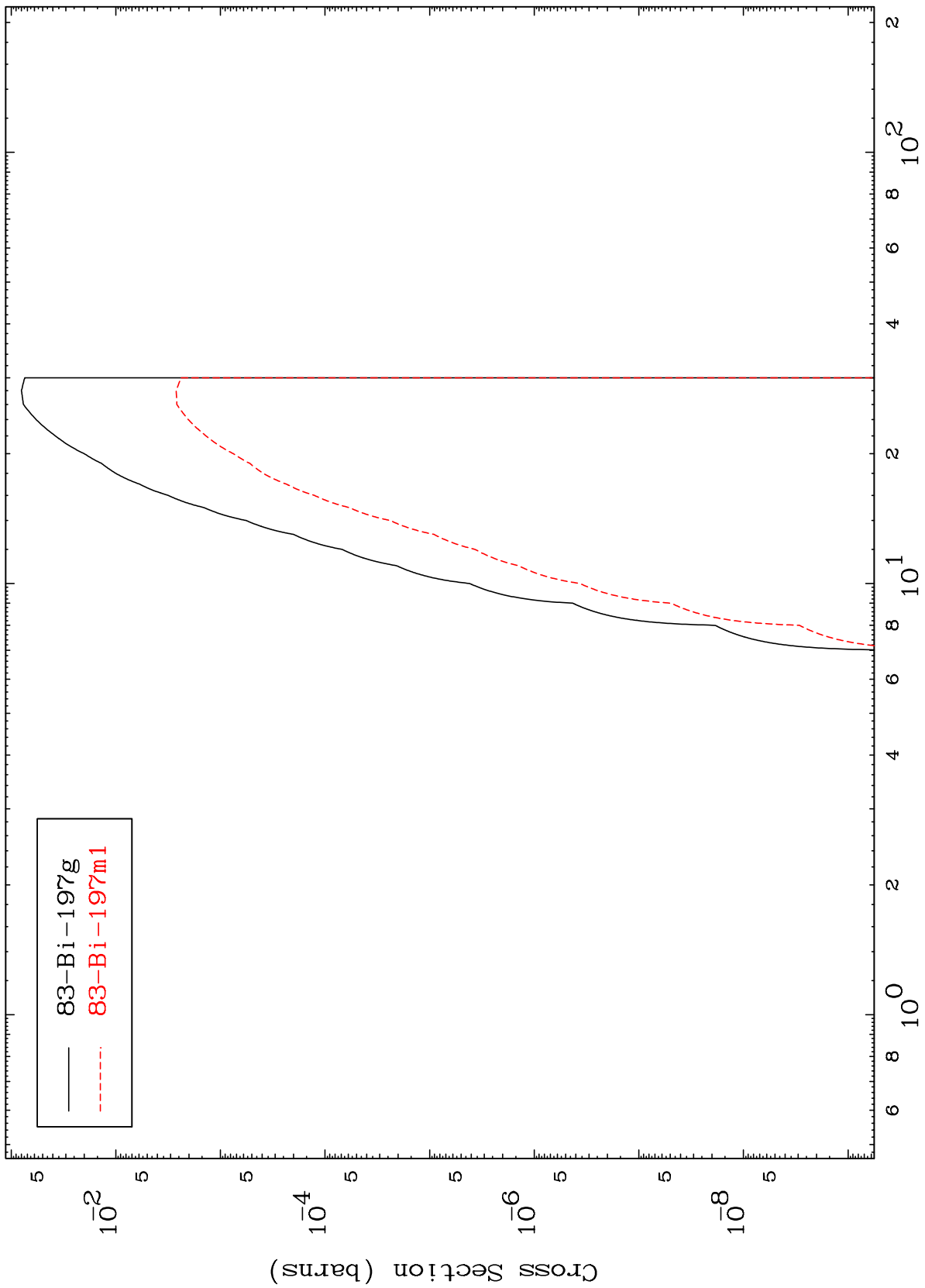
Incident Energy (MeV)

26

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83-Bi-197

(n,d)  
Radionuclide Production Cross Section



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

83-Bi-197

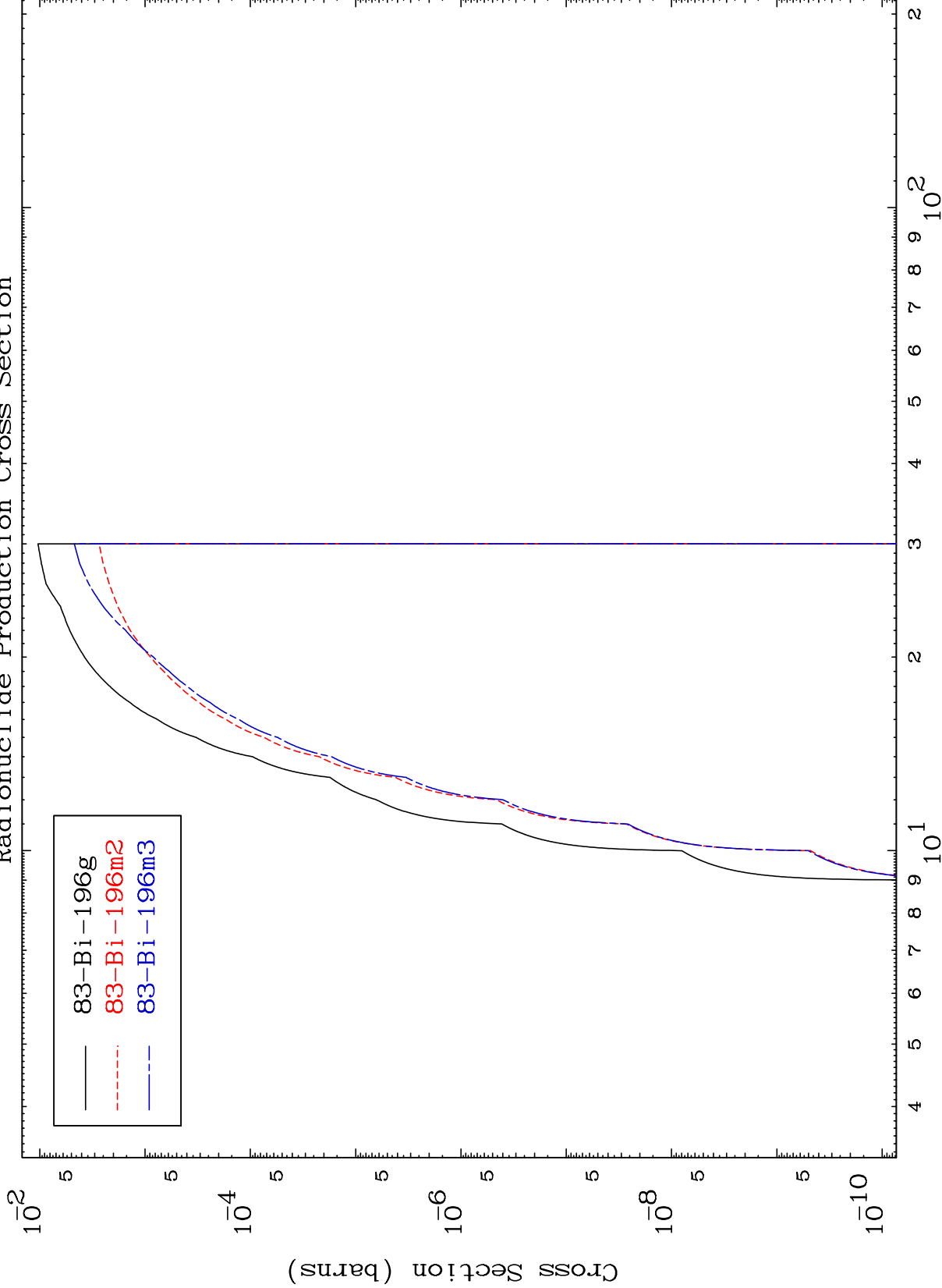
Incident Energy (MeV)

27

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83-Bi-197

Radionuclide Production Cross Section  
(n, t)



83-Bi-196g  
83-Bi-196m2  
83-Bi-196m3

28

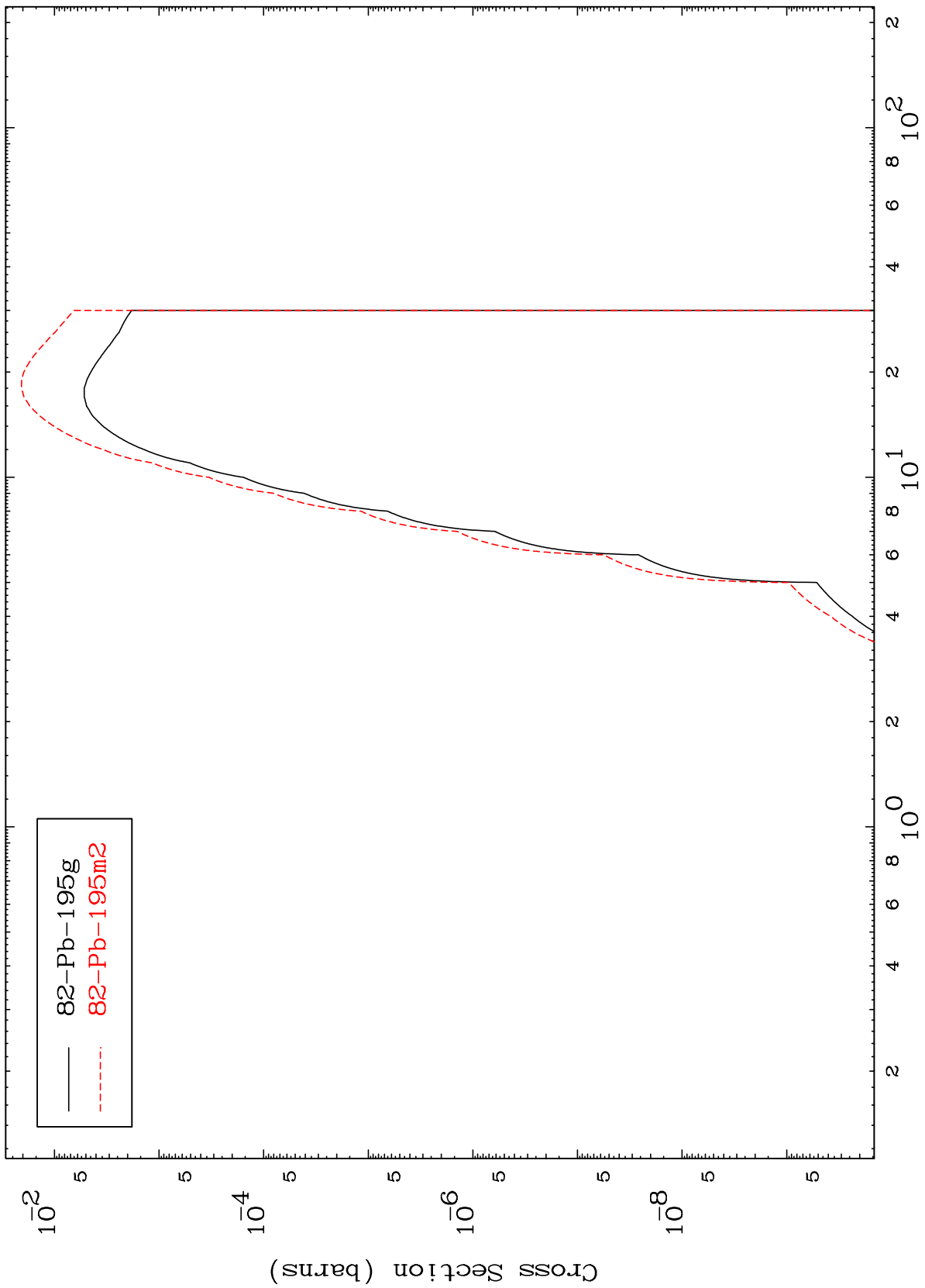
Incident Energy (MeV)

83-Bi-197

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83-Bi-197

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

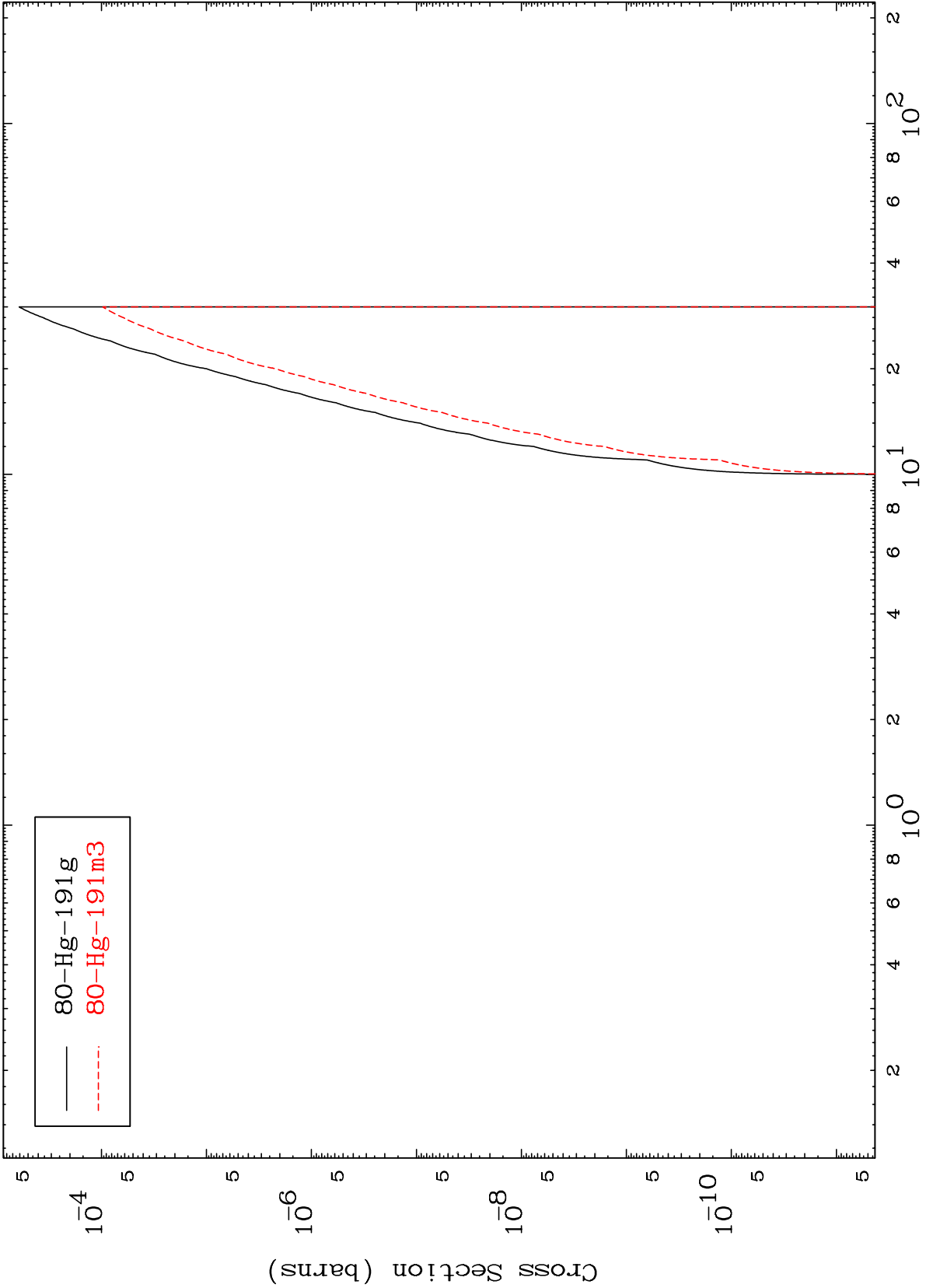


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(n,2α)

83-Bi-197

Radionuclide Production Cross Section



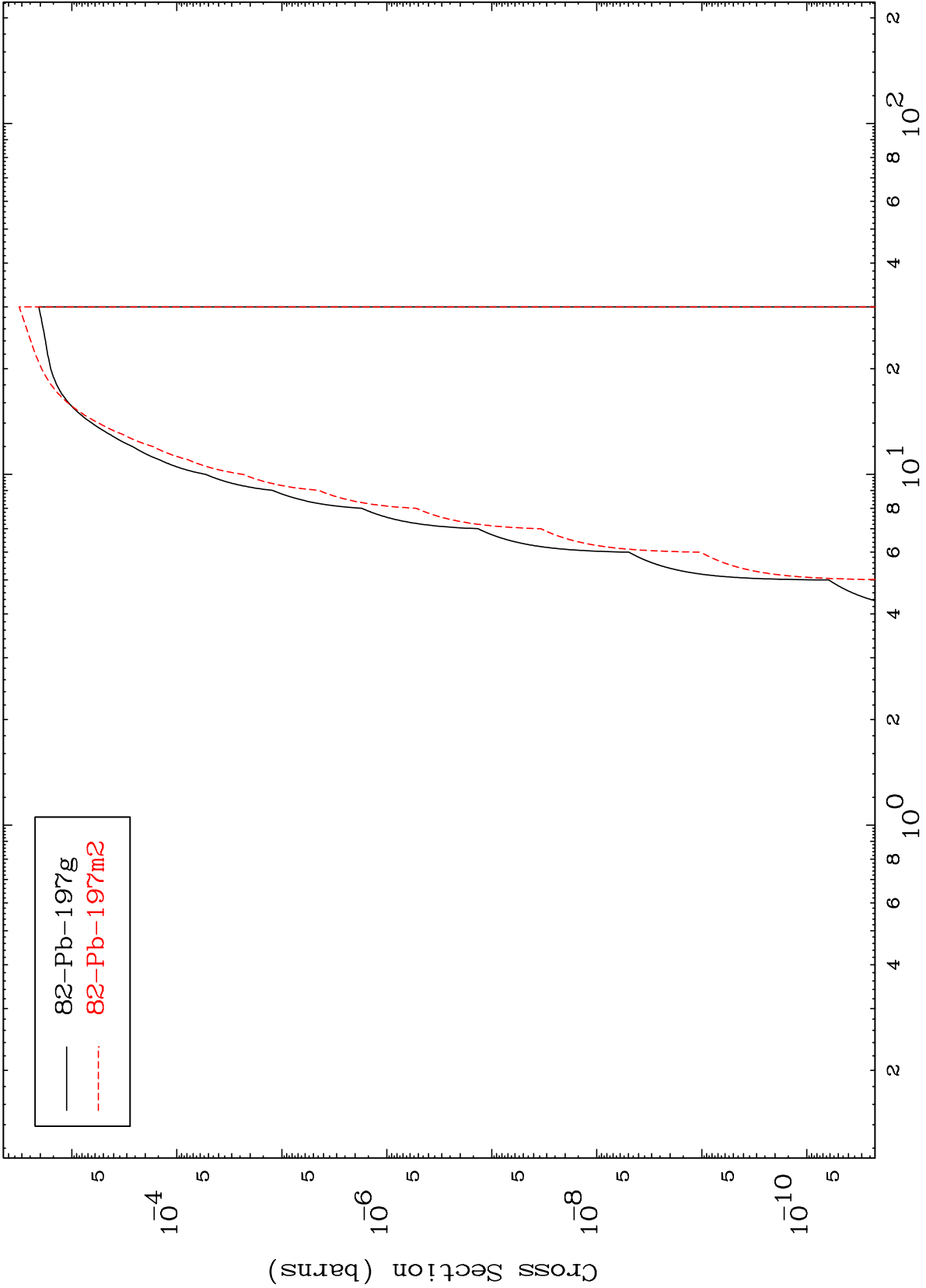
80-Hg-191g  
80-Hg-191m3

MAT 8289

(n,2p)

83-Bi-197

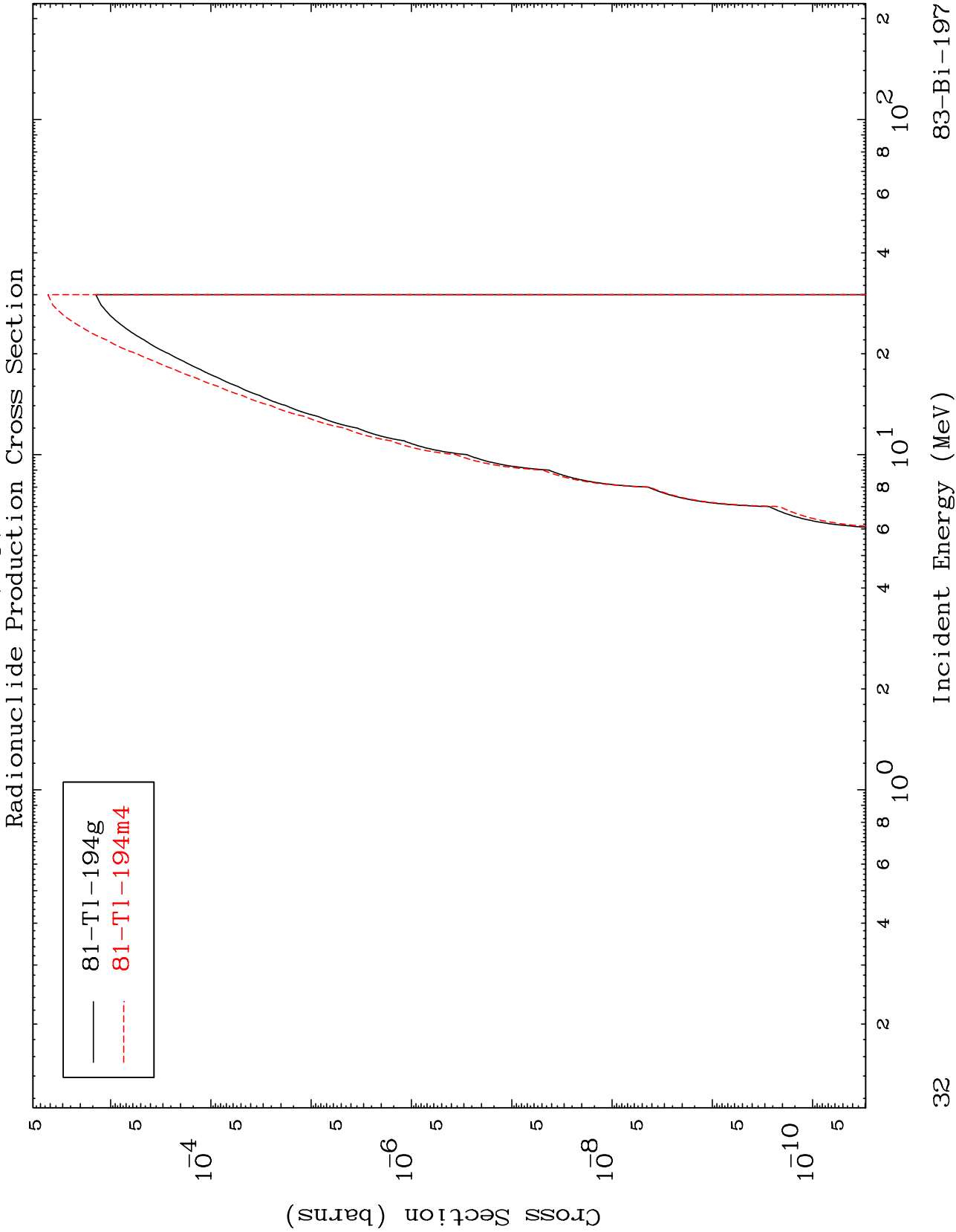
Radionuclide Production Cross Section



MAT 8289

(n,p)  $\alpha$

83-Bi-197

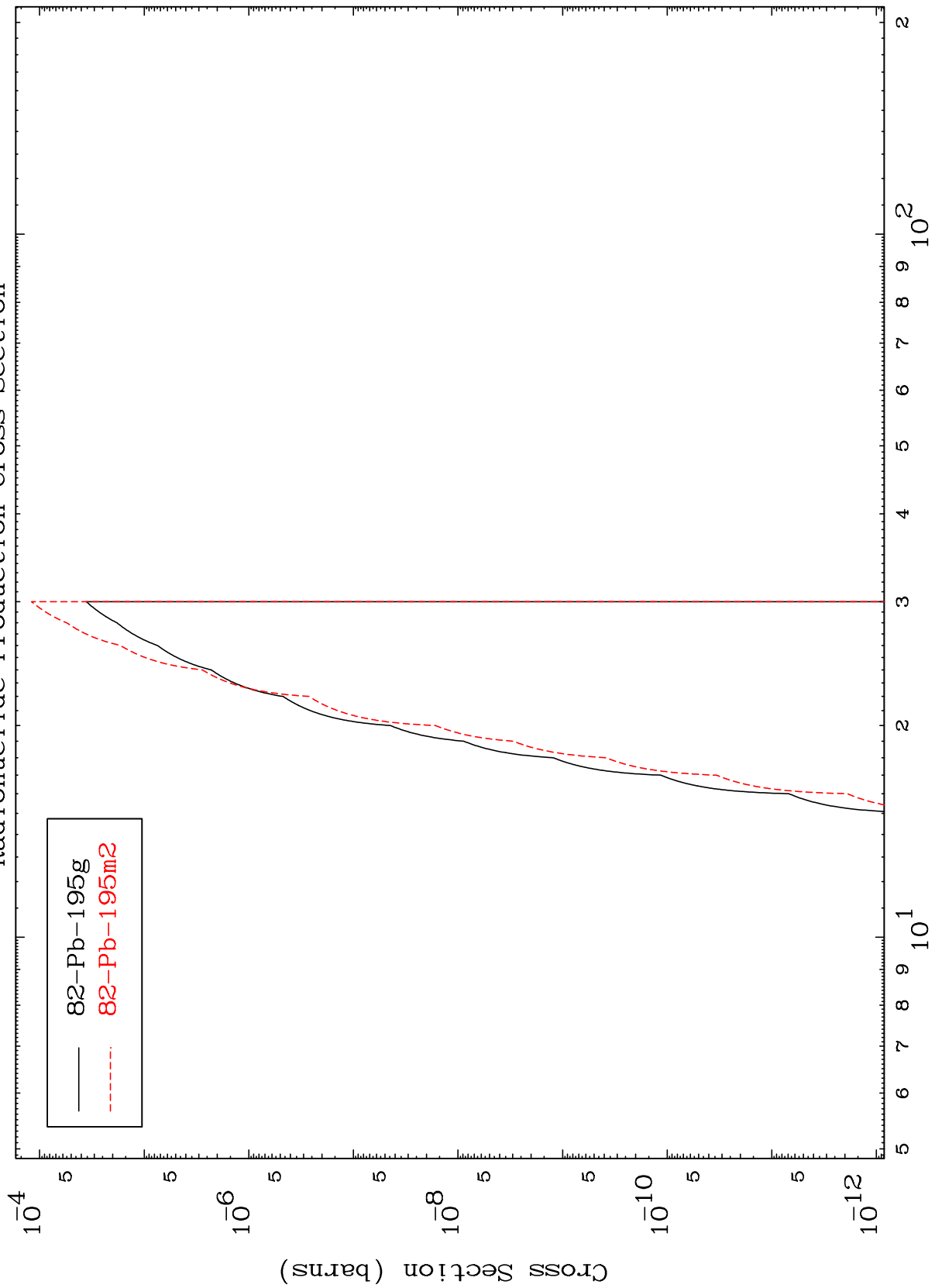


MAT 8289

(n,p) t

83-Bi-197

Radionuclide Production Cross Section



33

Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,d)  $\alpha$

83-Bi-197

Radionuclide Production Cross Section

