

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

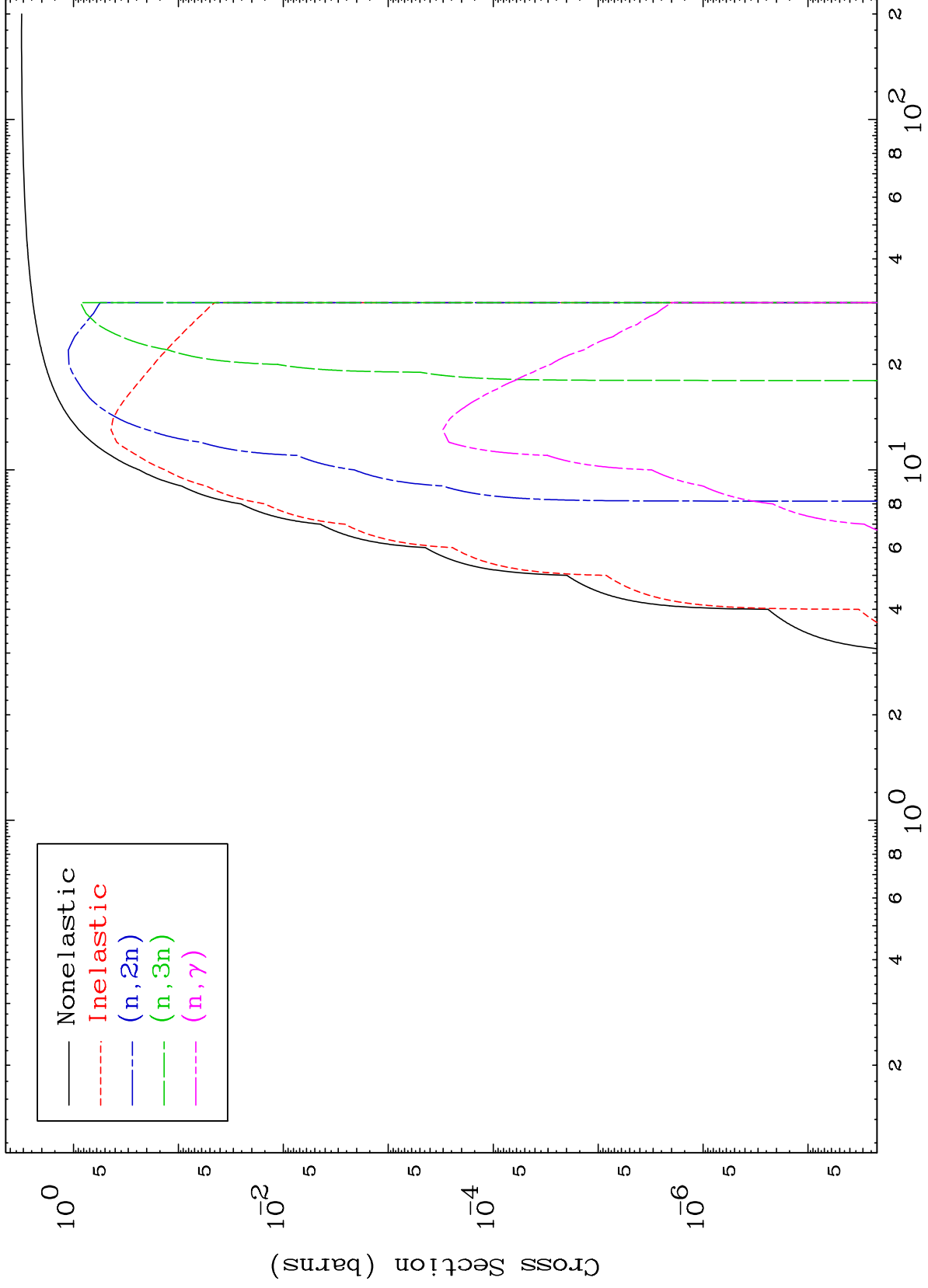
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Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

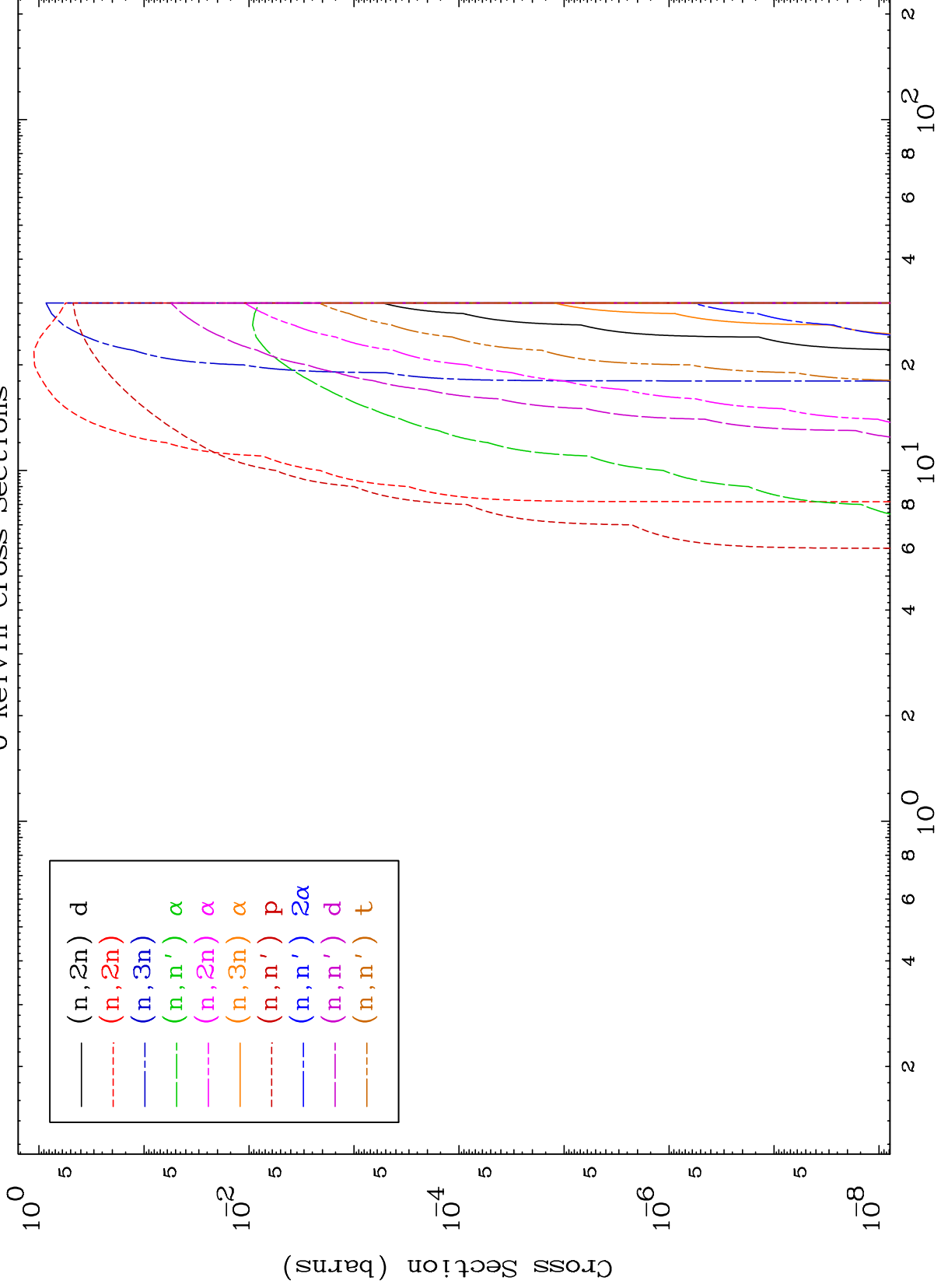
Press Mouse Button to Start

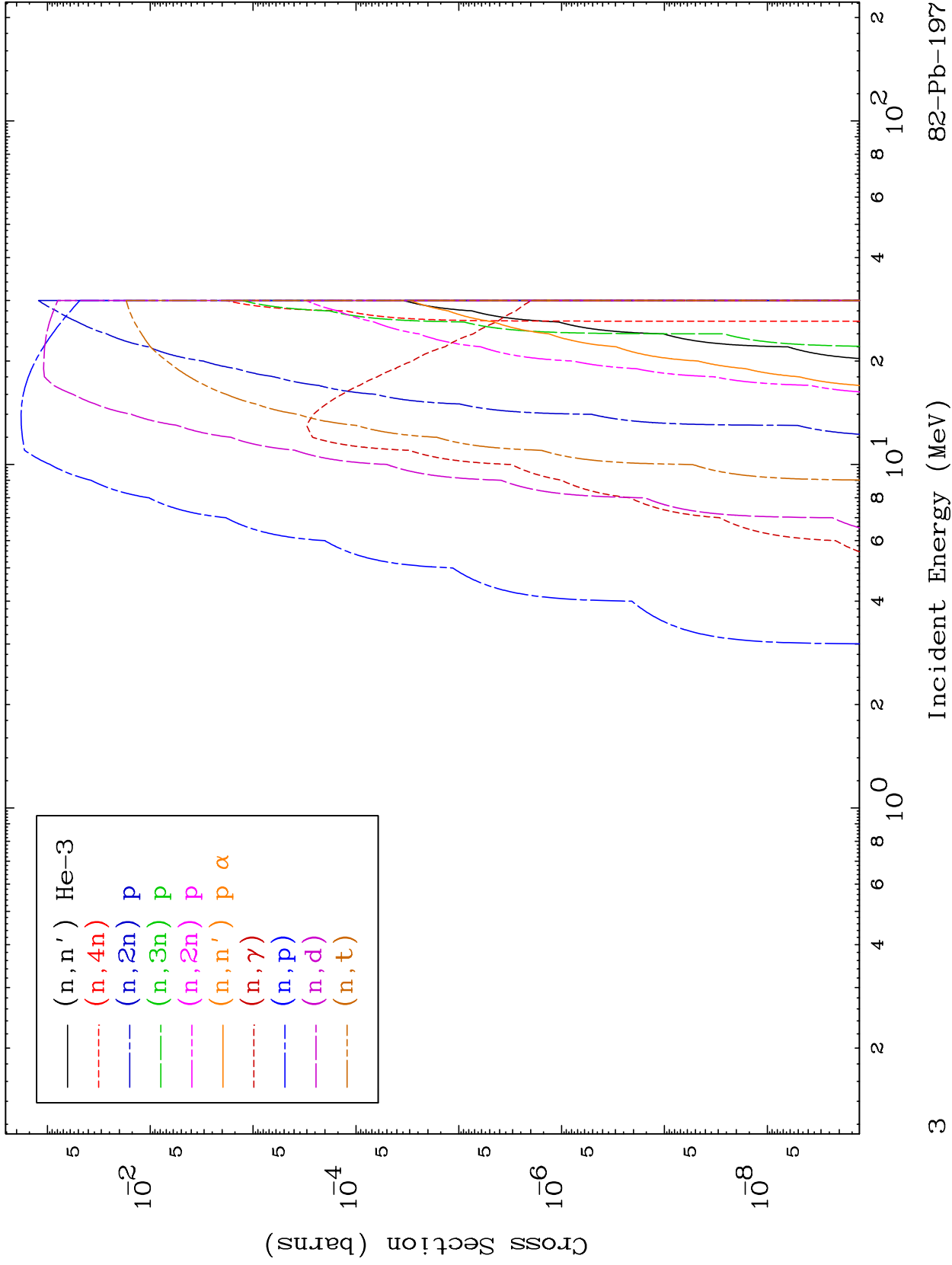


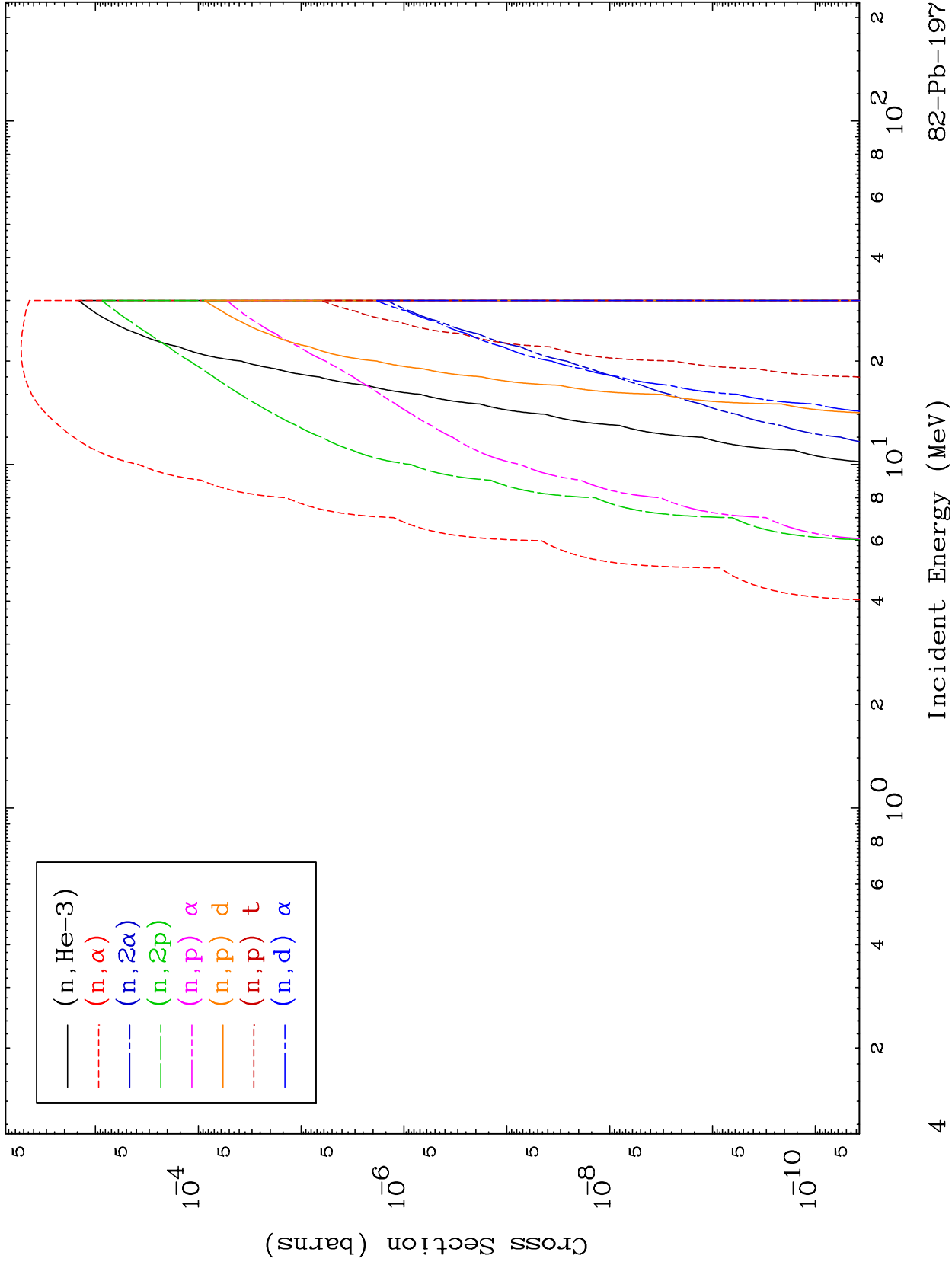
MAT 8204

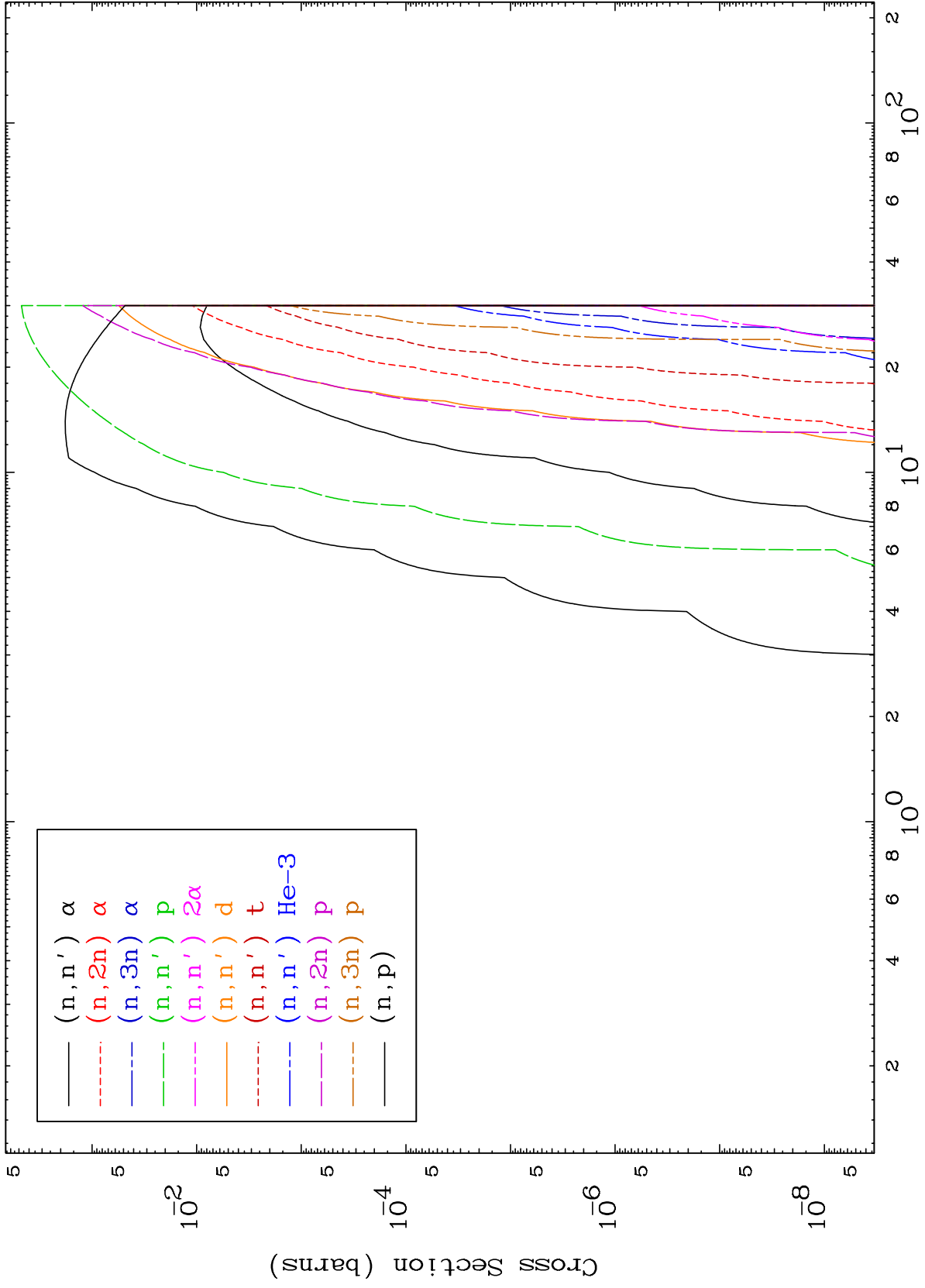
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

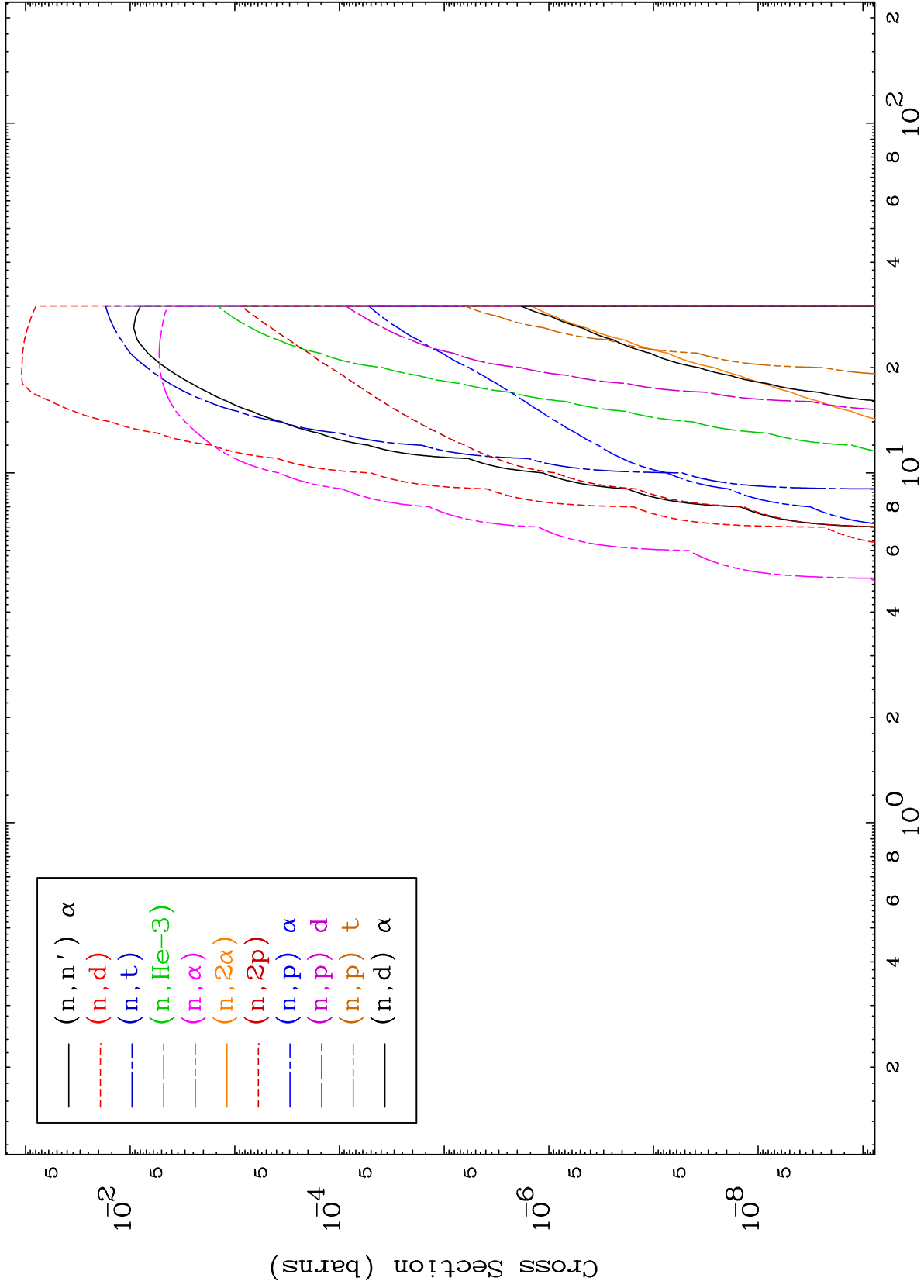
82-Pb-197









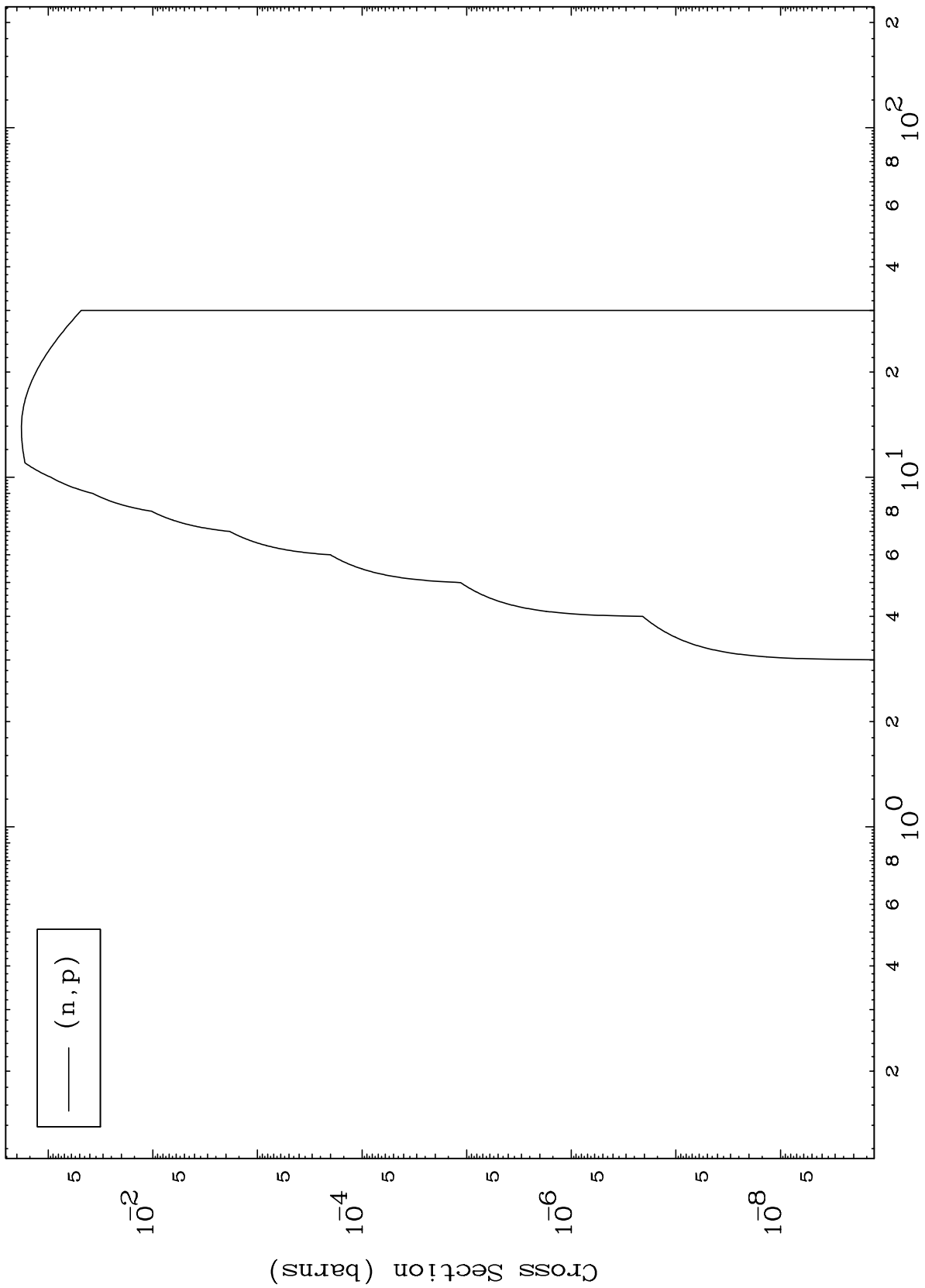


MAT 8204

(d,p) Levels

82-Pb-197

0 Kelvin Cross Sections



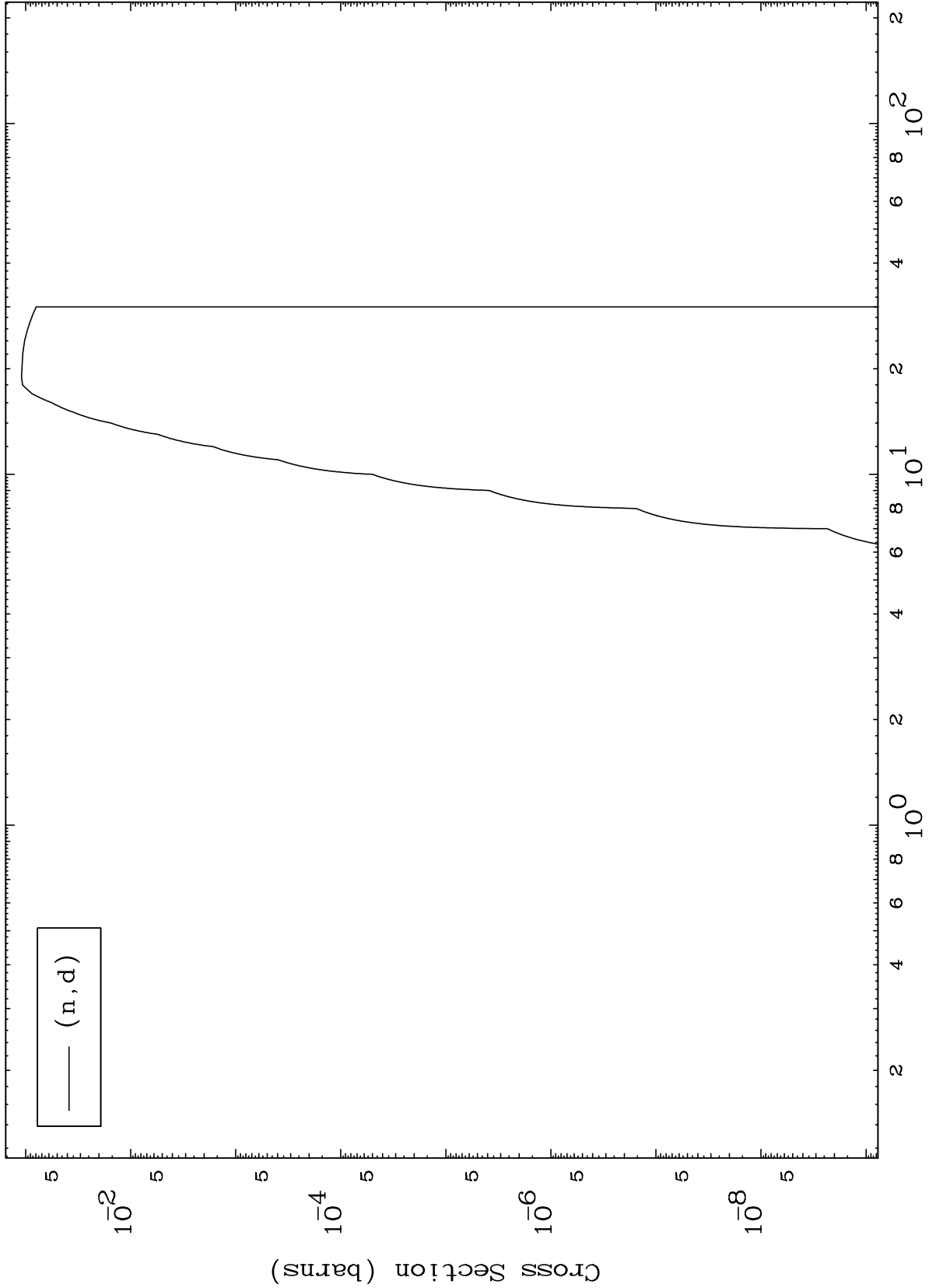


MAT 8204

(d,d) Levels

82-Pb-197

0 Kelvin Cross Sections

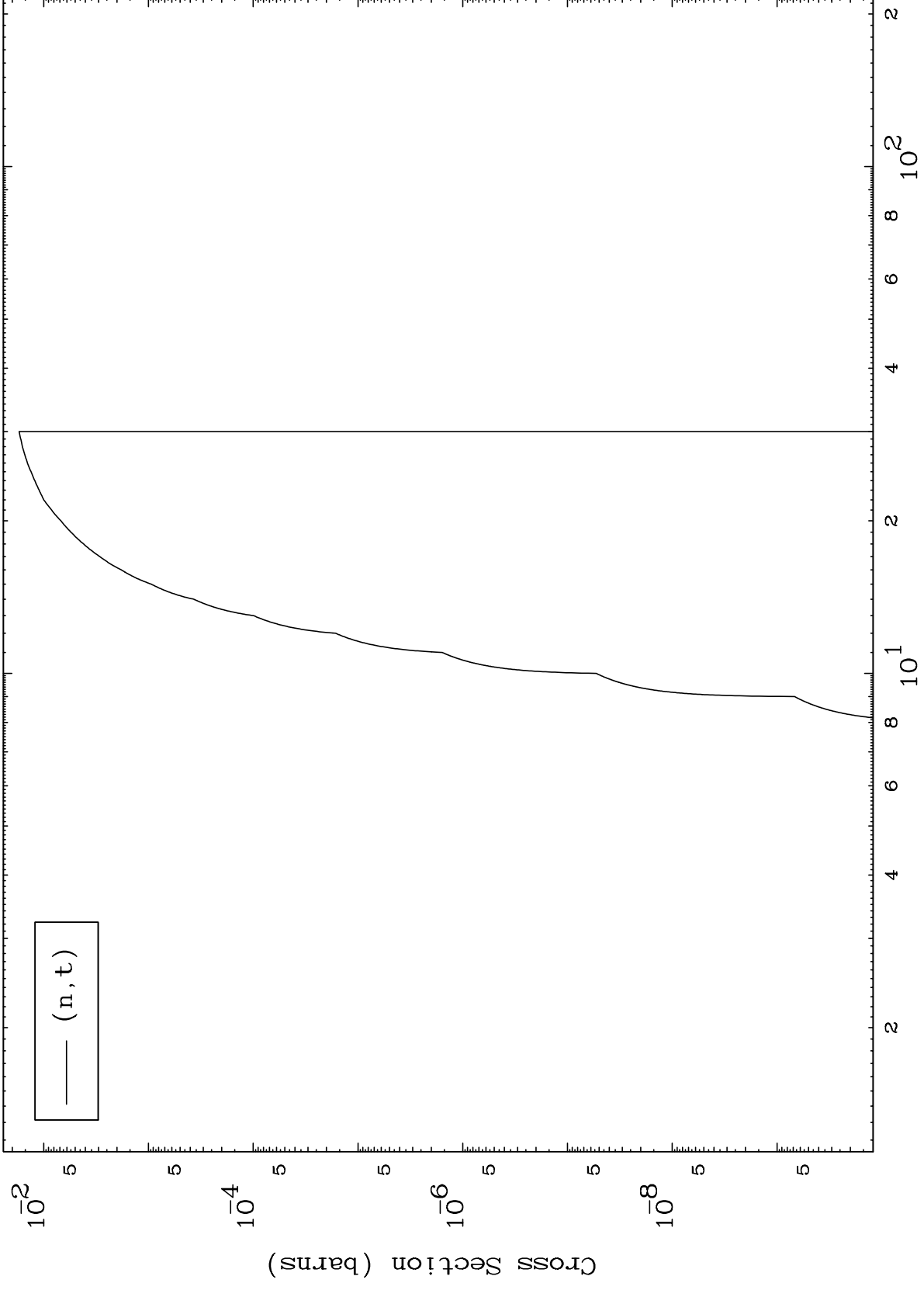


MAT 8204

(d, t) Levels

82-Pb-197

0 Kelvin Cross Sections

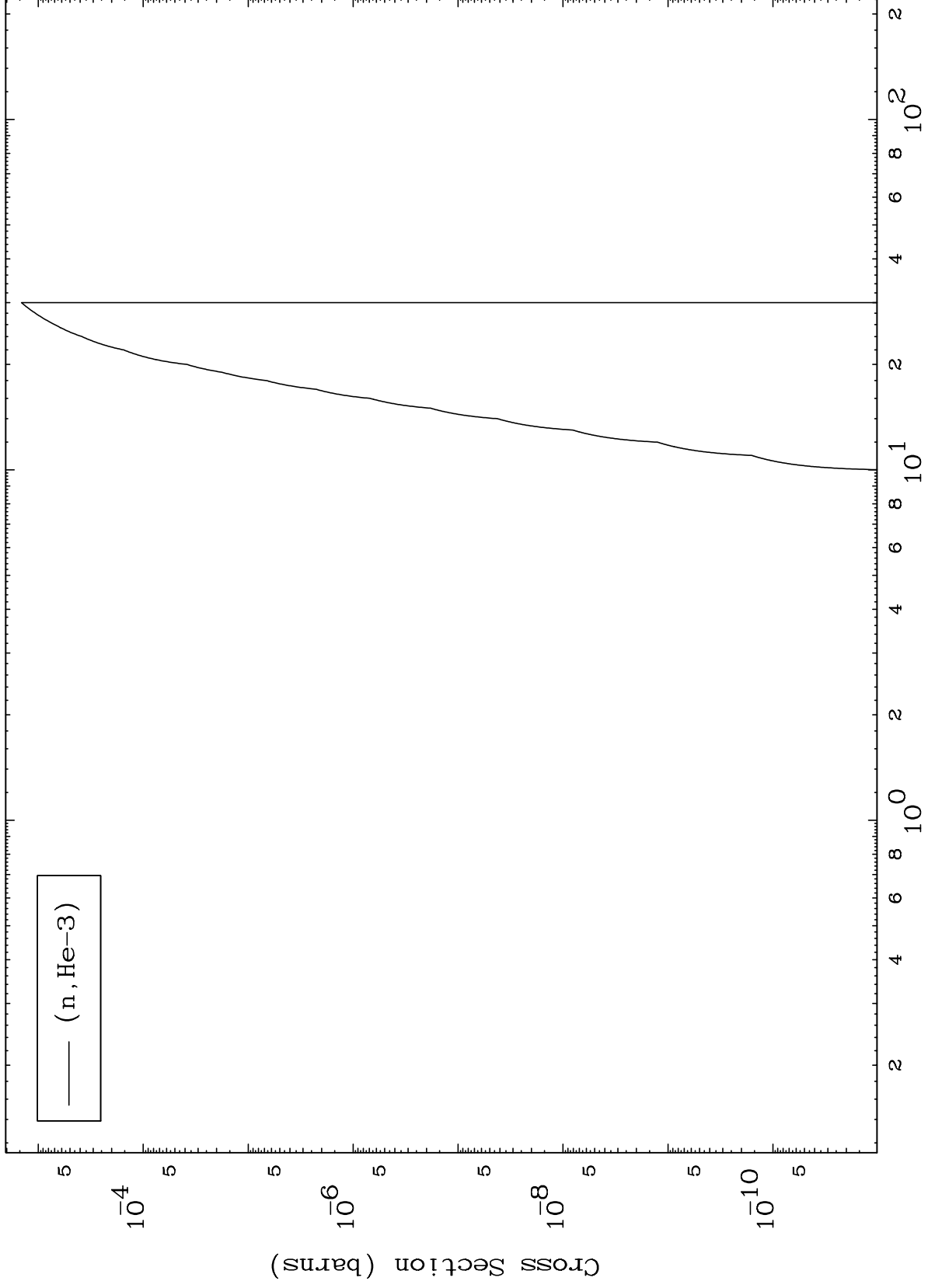


MAT 8204

(d,He3) Levels

82-Pb-197

0 Kelvin Cross Sections



10

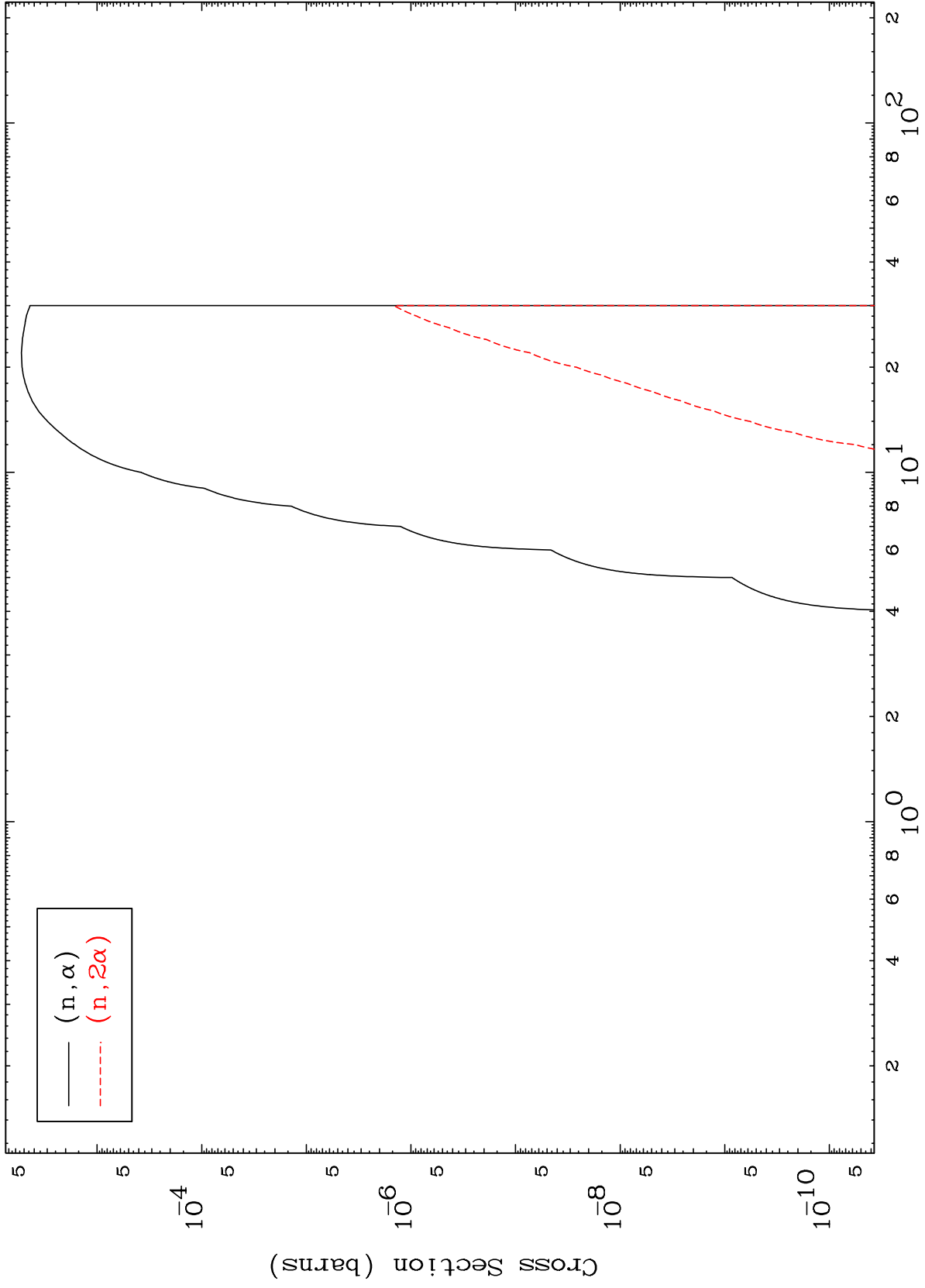
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

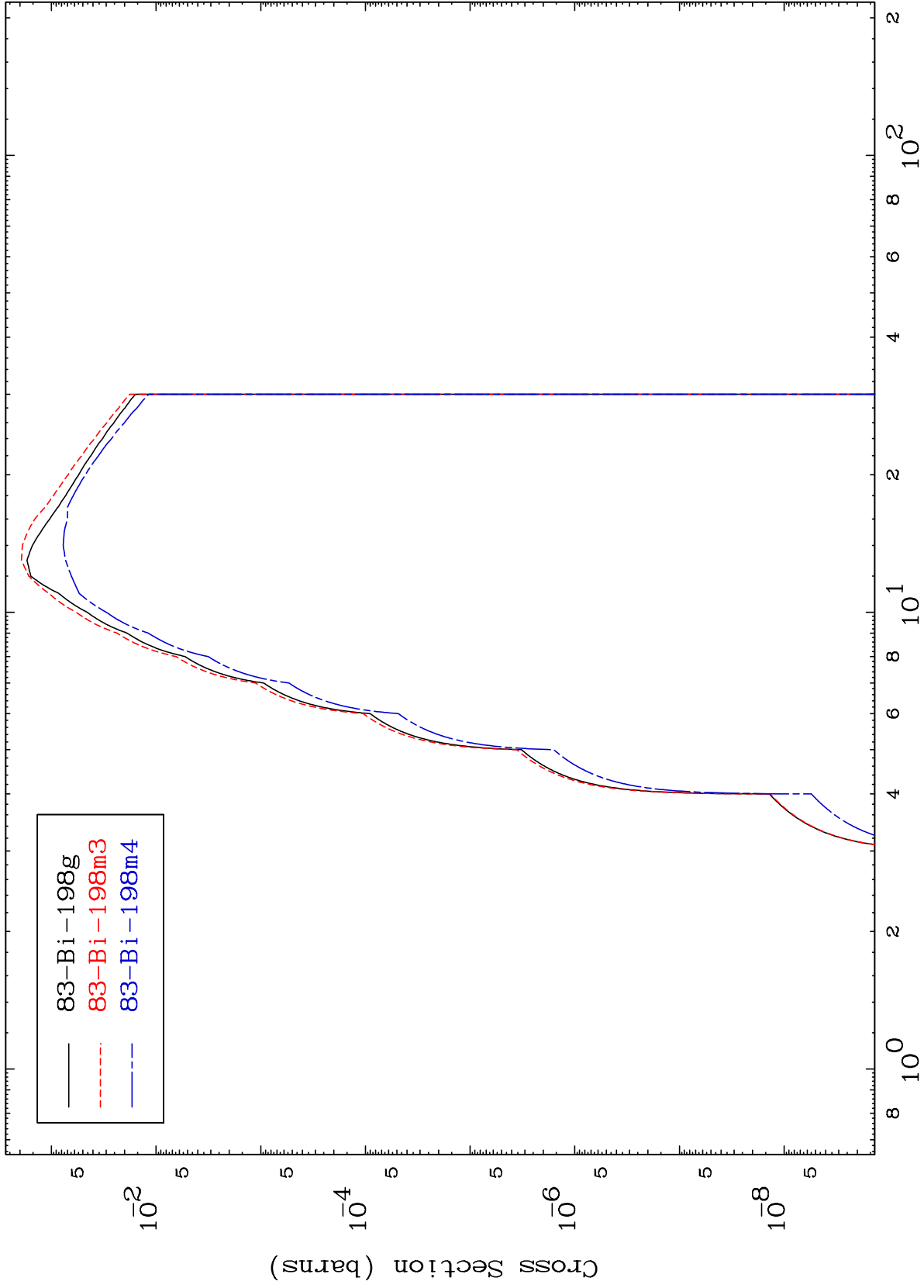
82-Pb-197



MAT 8204

82-Pb-197

Inelastic  
Radionuclide Production Cross Section



82-Pb-197

Incident Energy (MeV)

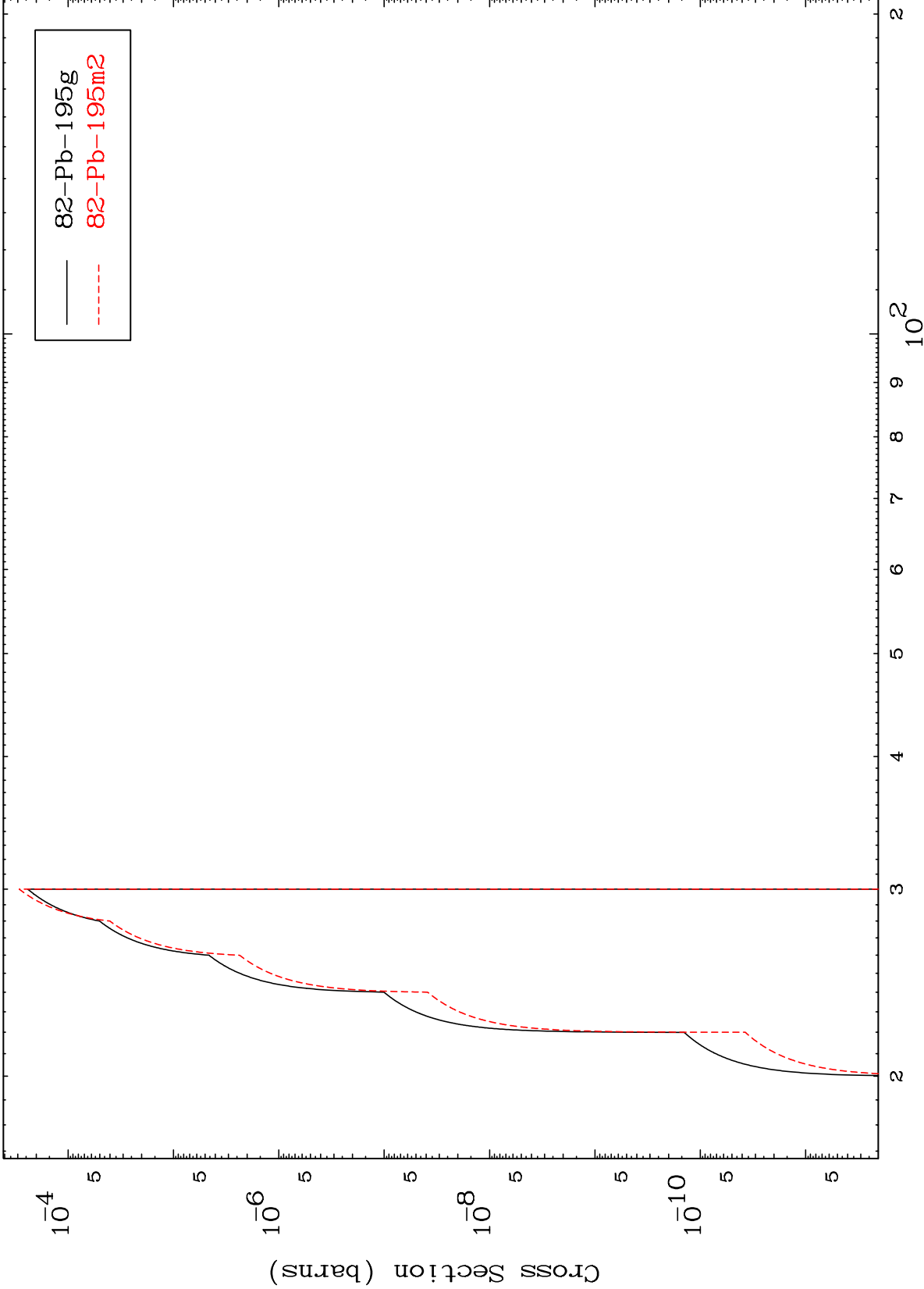
12

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(n,2n) d

82-Pb-197

Radionuclide Production Cross Section



13

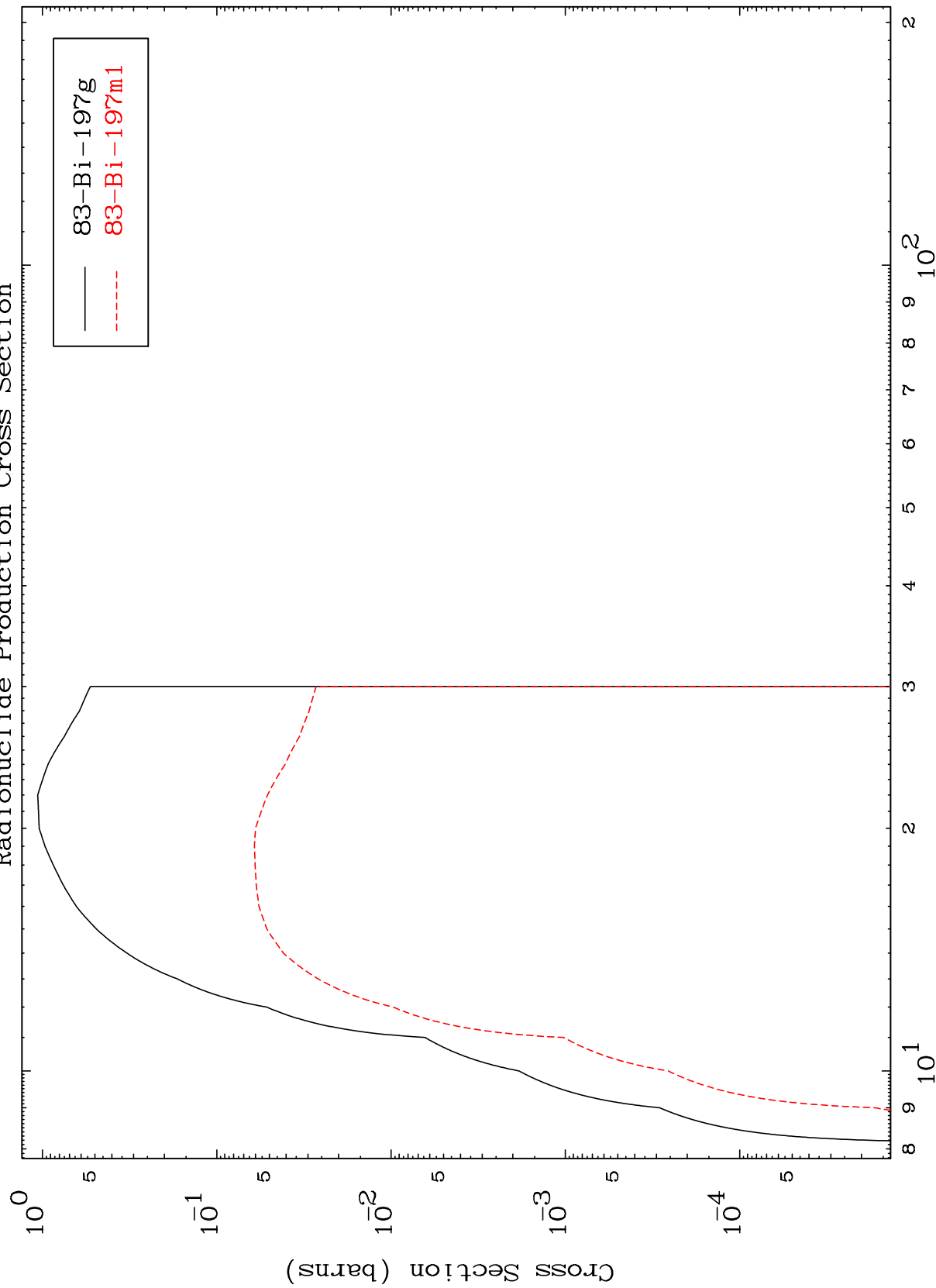
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

(n,2n)  
Radionuclide Production Cross Section



82-Pb-197

Incident Energy (MeV)

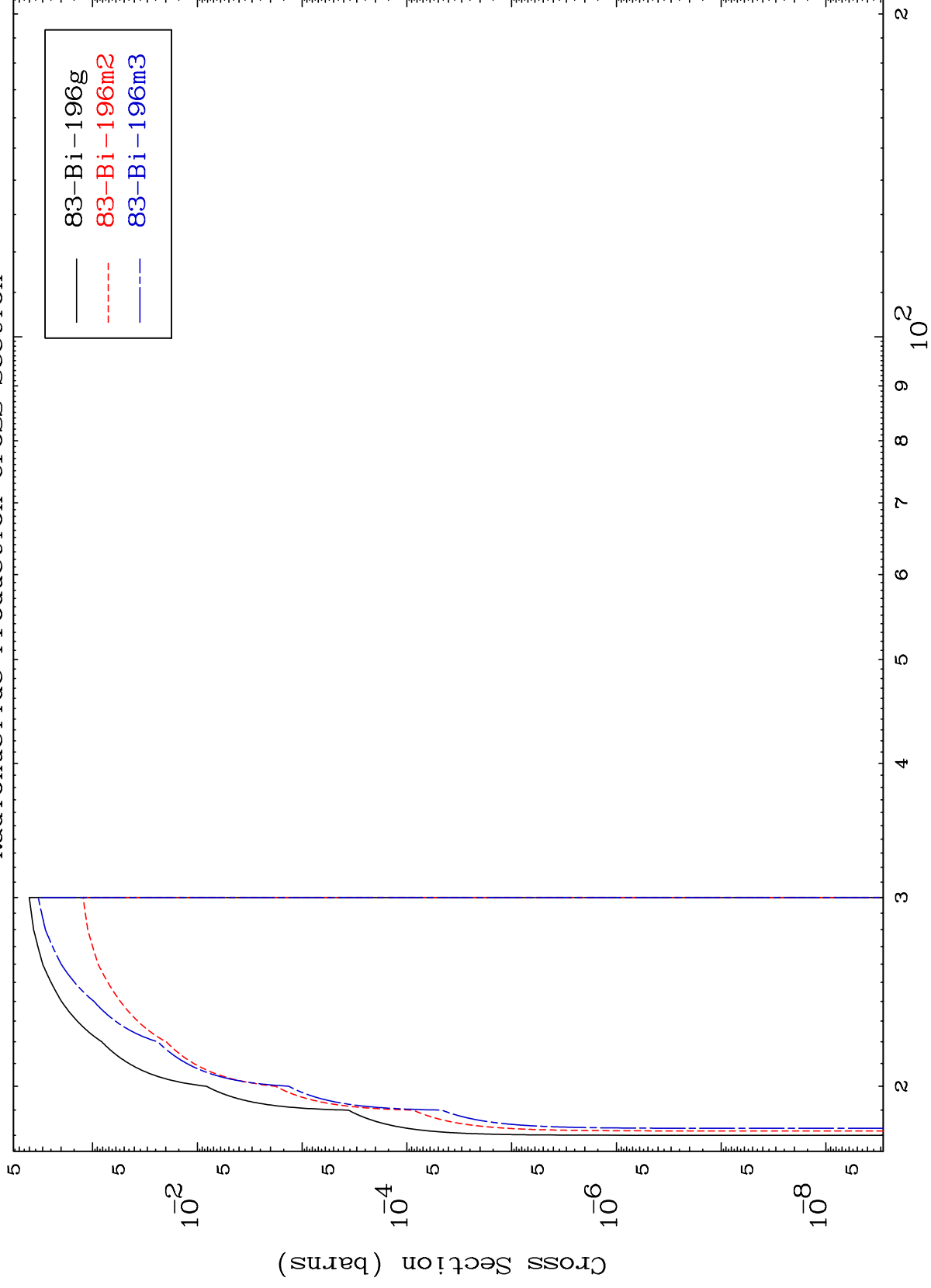
14

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(n,3n)

82-Pb-197

Radionuclide Production Cross Section



15

Incident Energy (MeV)

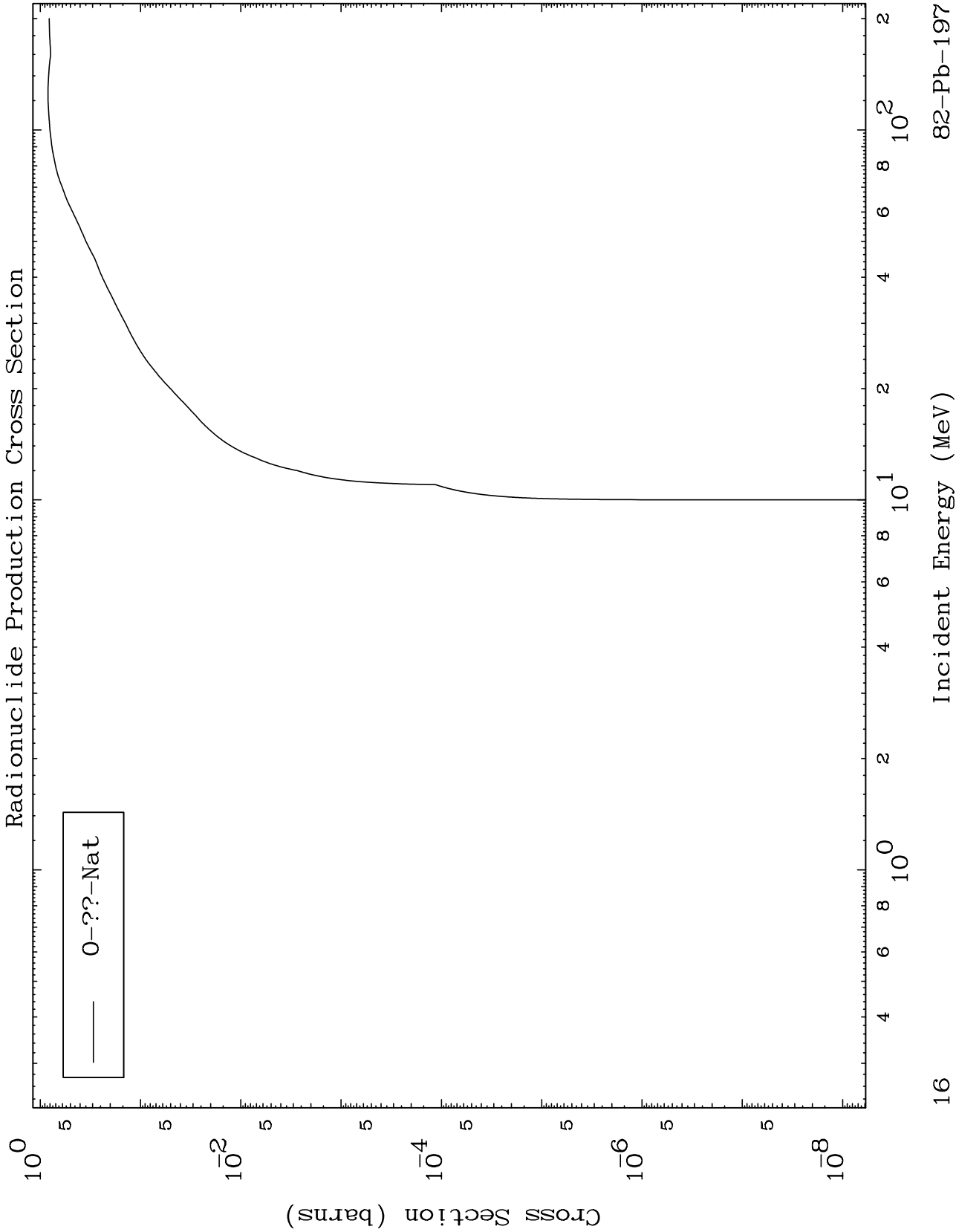
82-Pb-197



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Fission

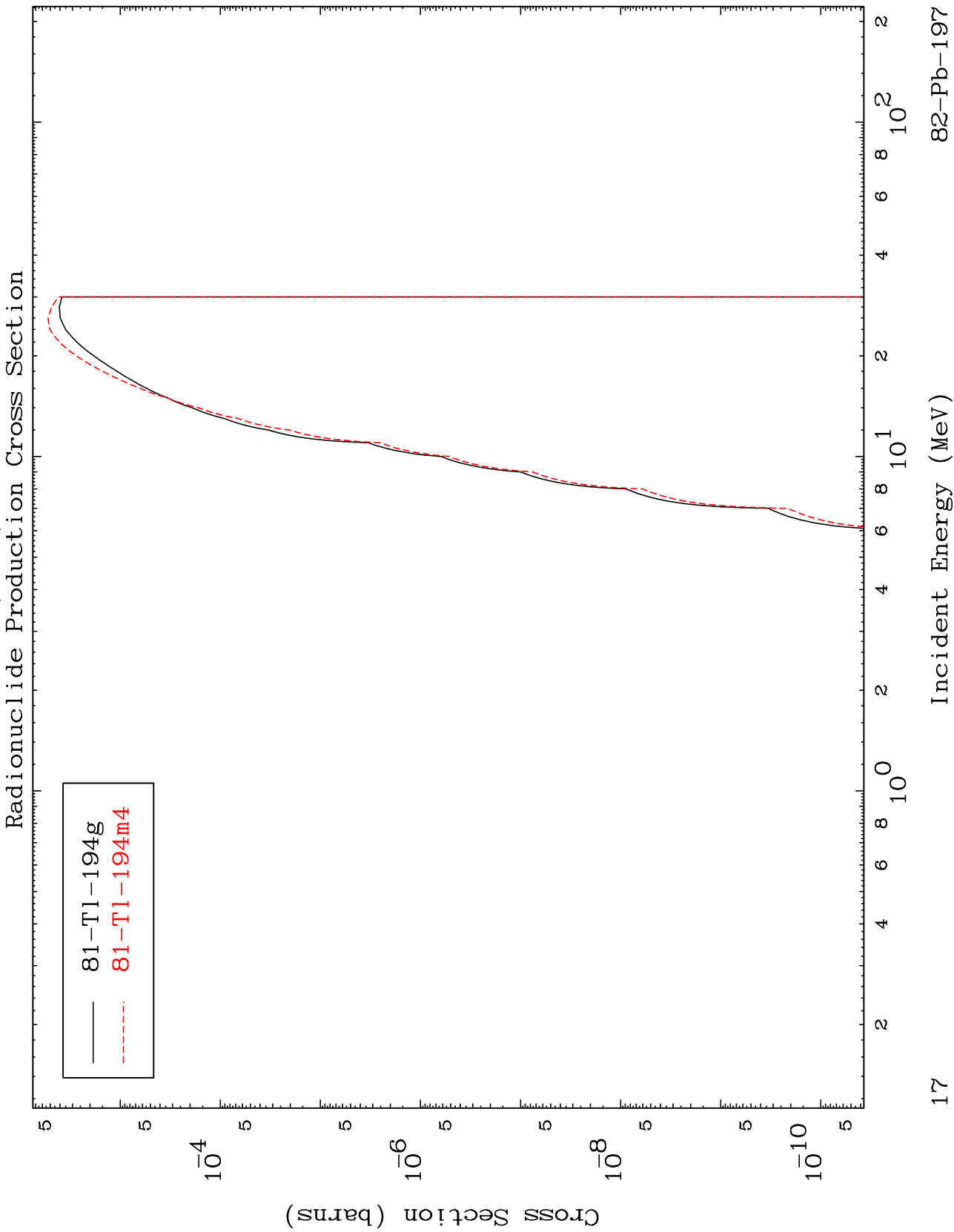
82-Pb-197



MAT 8204

$(n, n') \alpha$

82-Pb-197

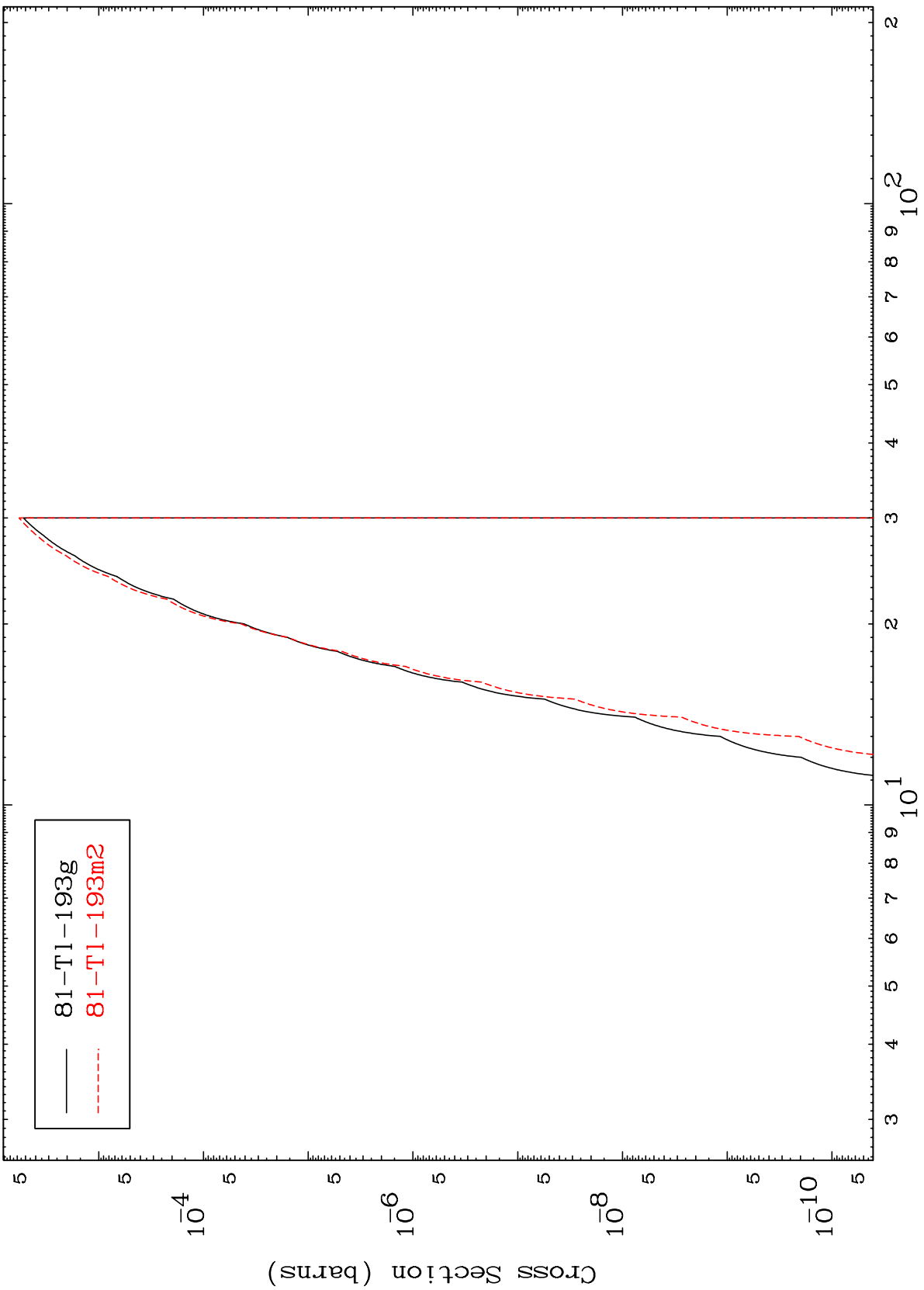


MAT 8204

(n,2n)  $\alpha$

82-Pb-197

Radionuclide Production Cross Section

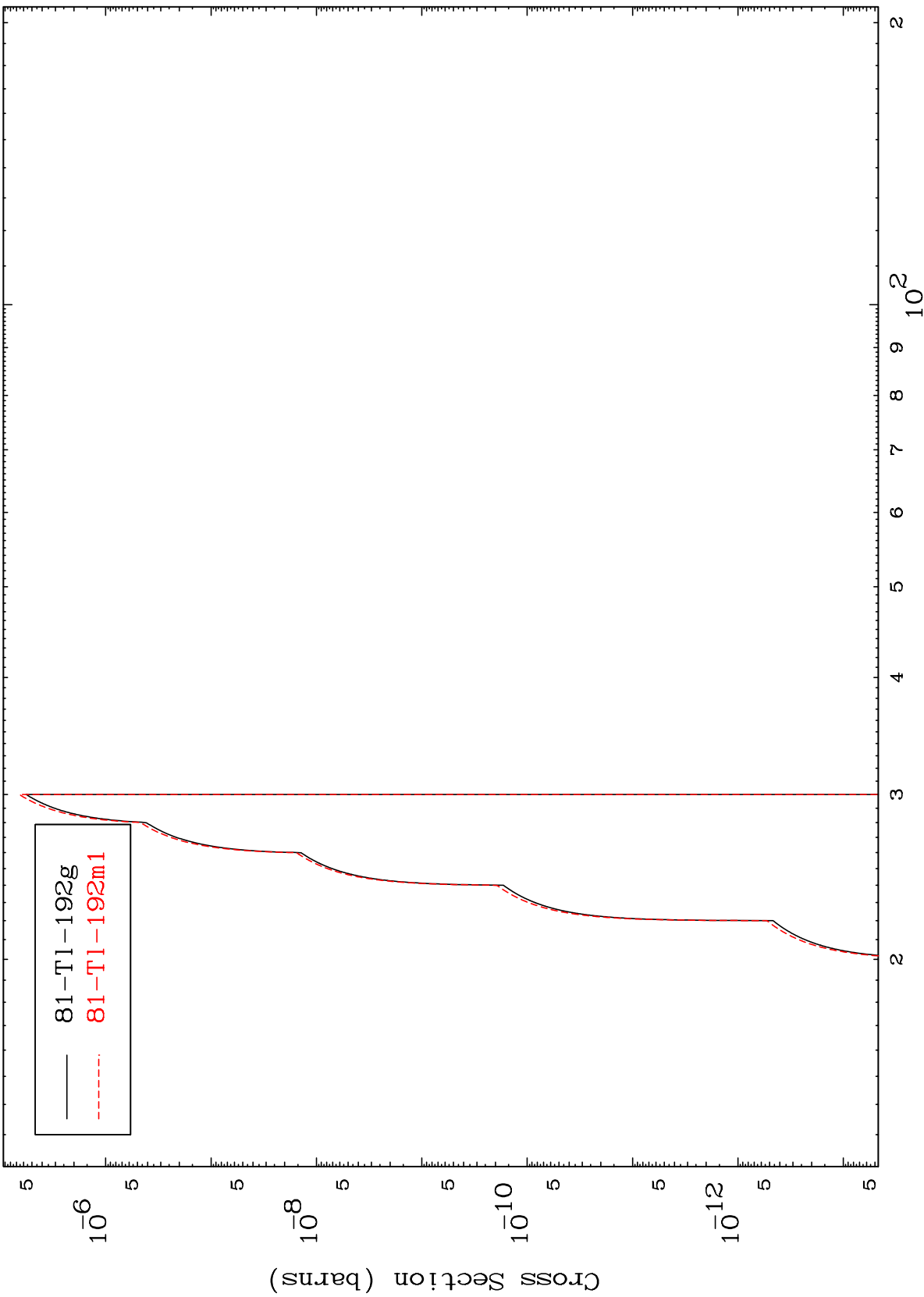


18

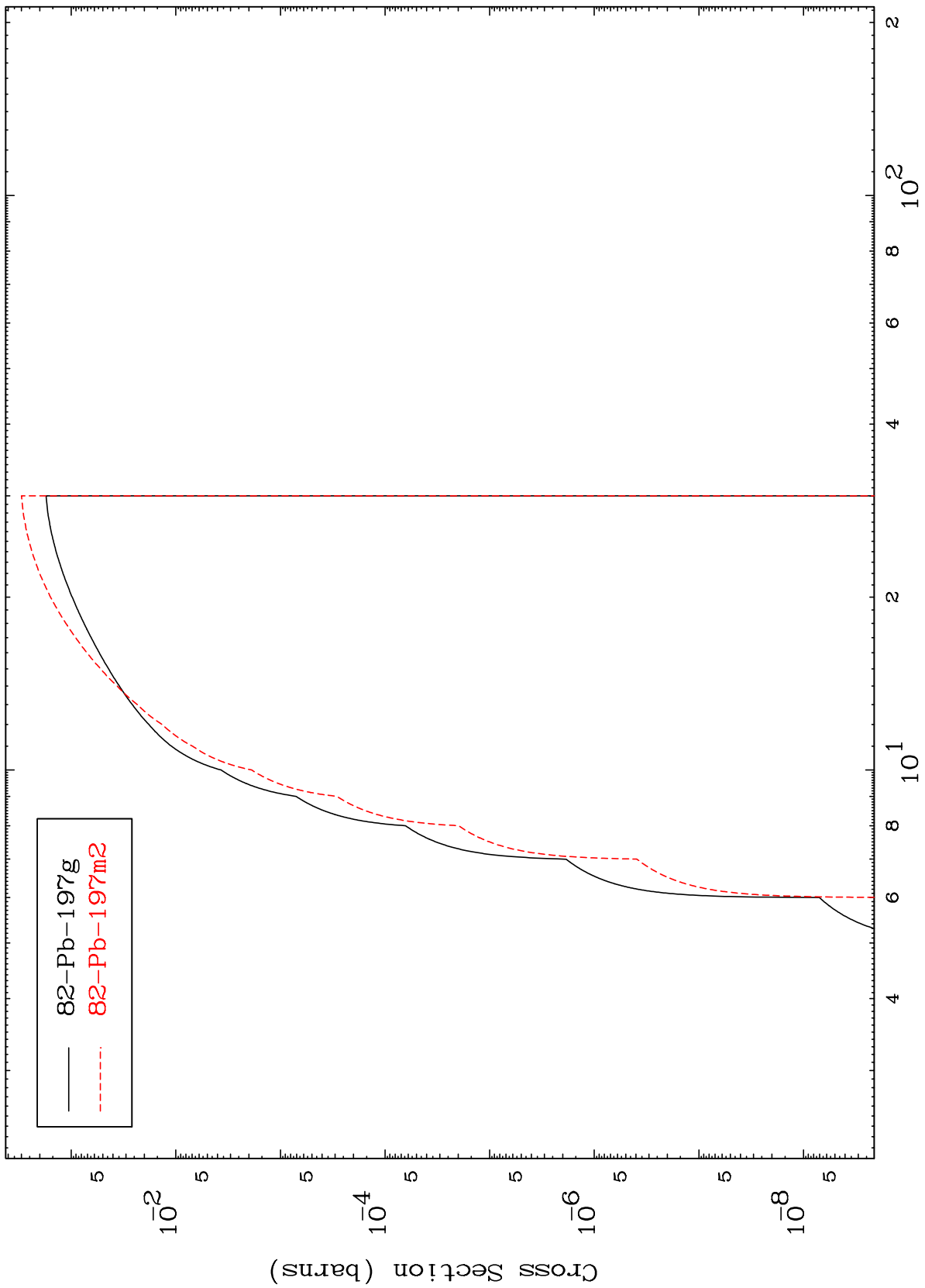
Incident Energy (MeV)

82-Pb-197

Radionuclide Production Cross Section



(n,n') p  
Radionuclide Production Cross Section

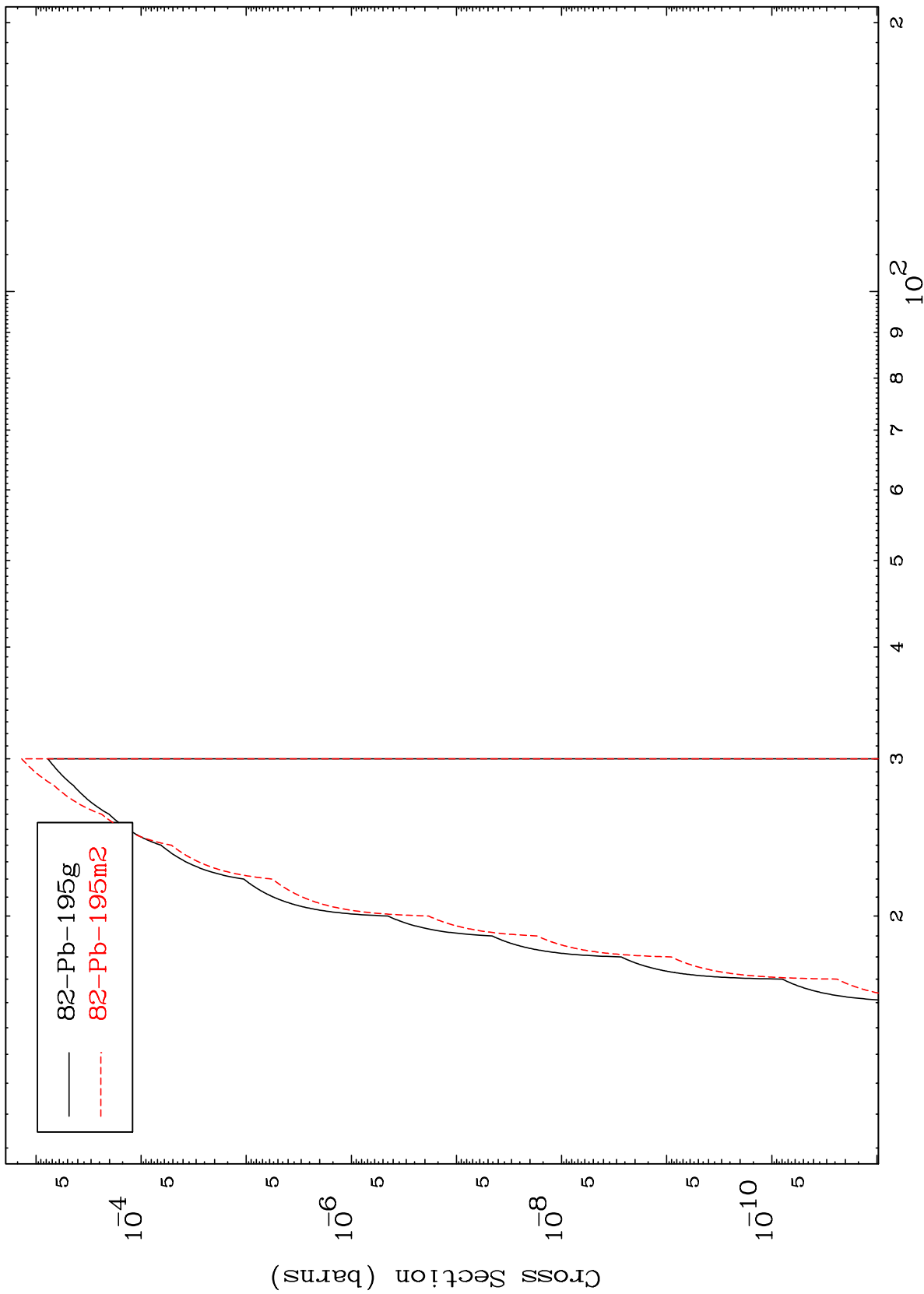


MAT 8204

(n,n') t

82-Pb-197

Radionuclide Production Cross Section

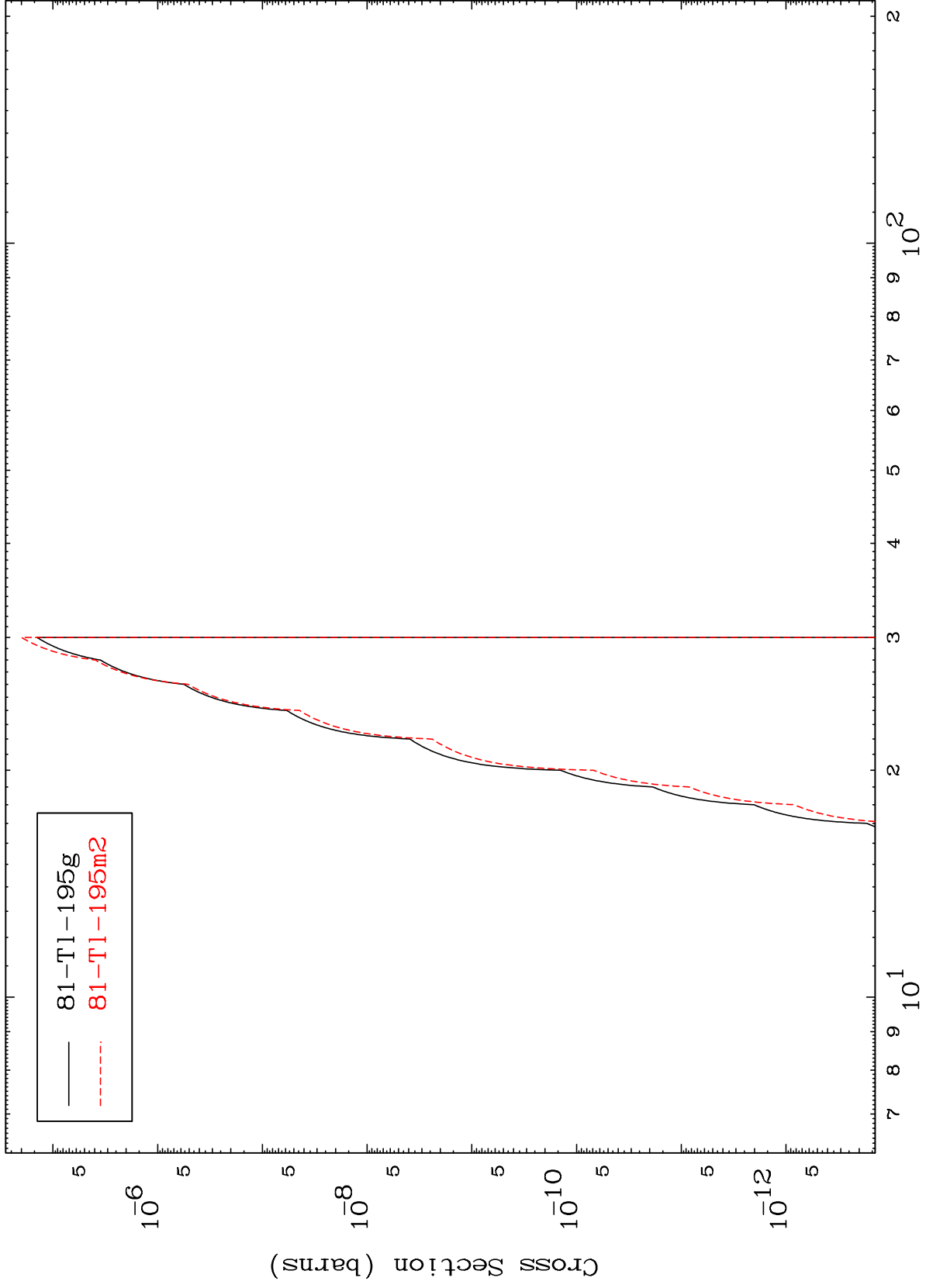


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(n,n') He-3

82-Pb-197

Radionuclide Production Cross Section



22

Incident Energy (MeV)

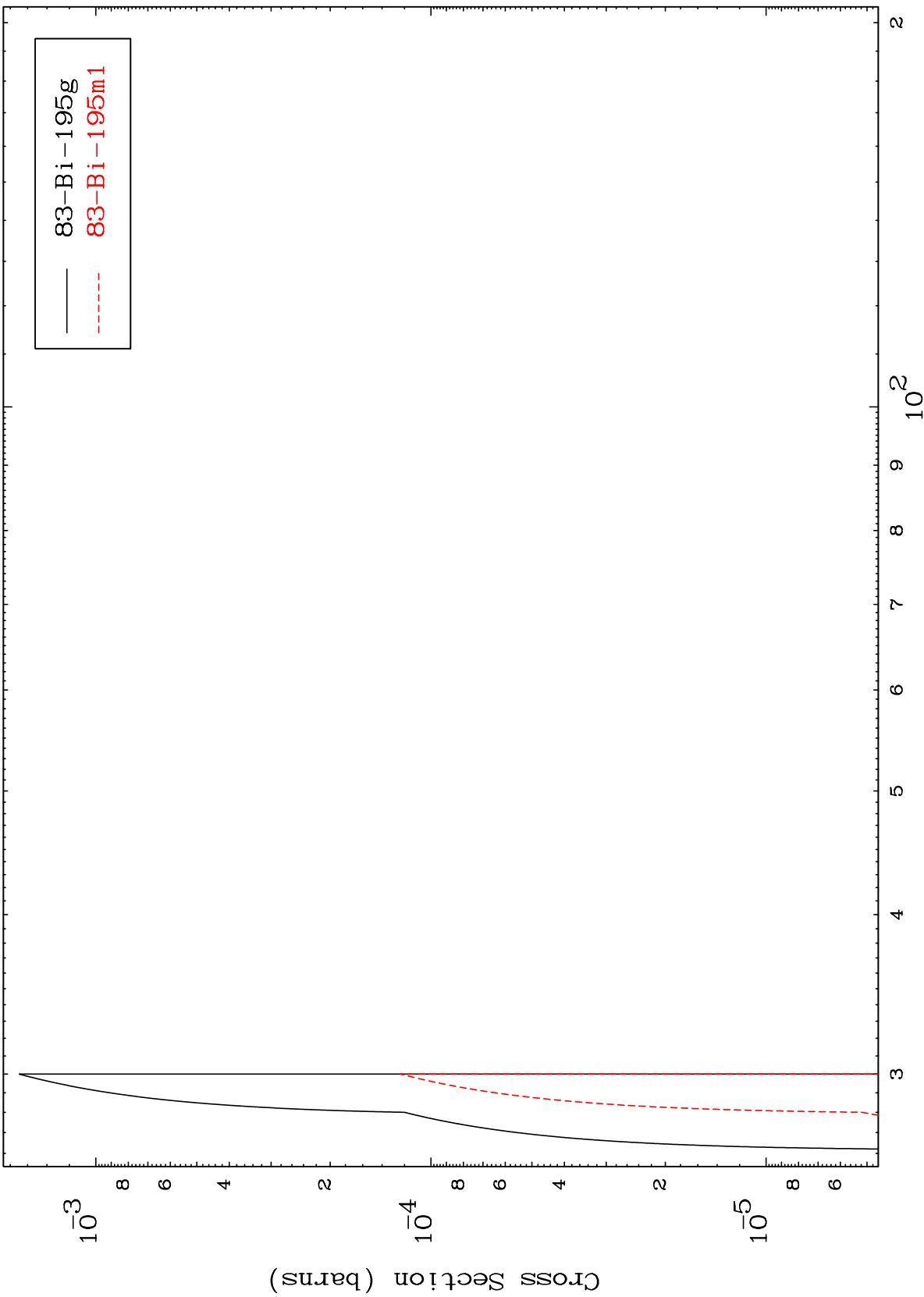
82-Pb-197

MAT 8204

82-Pb-197

(n,4n)

Radionuclide Production Cross Section



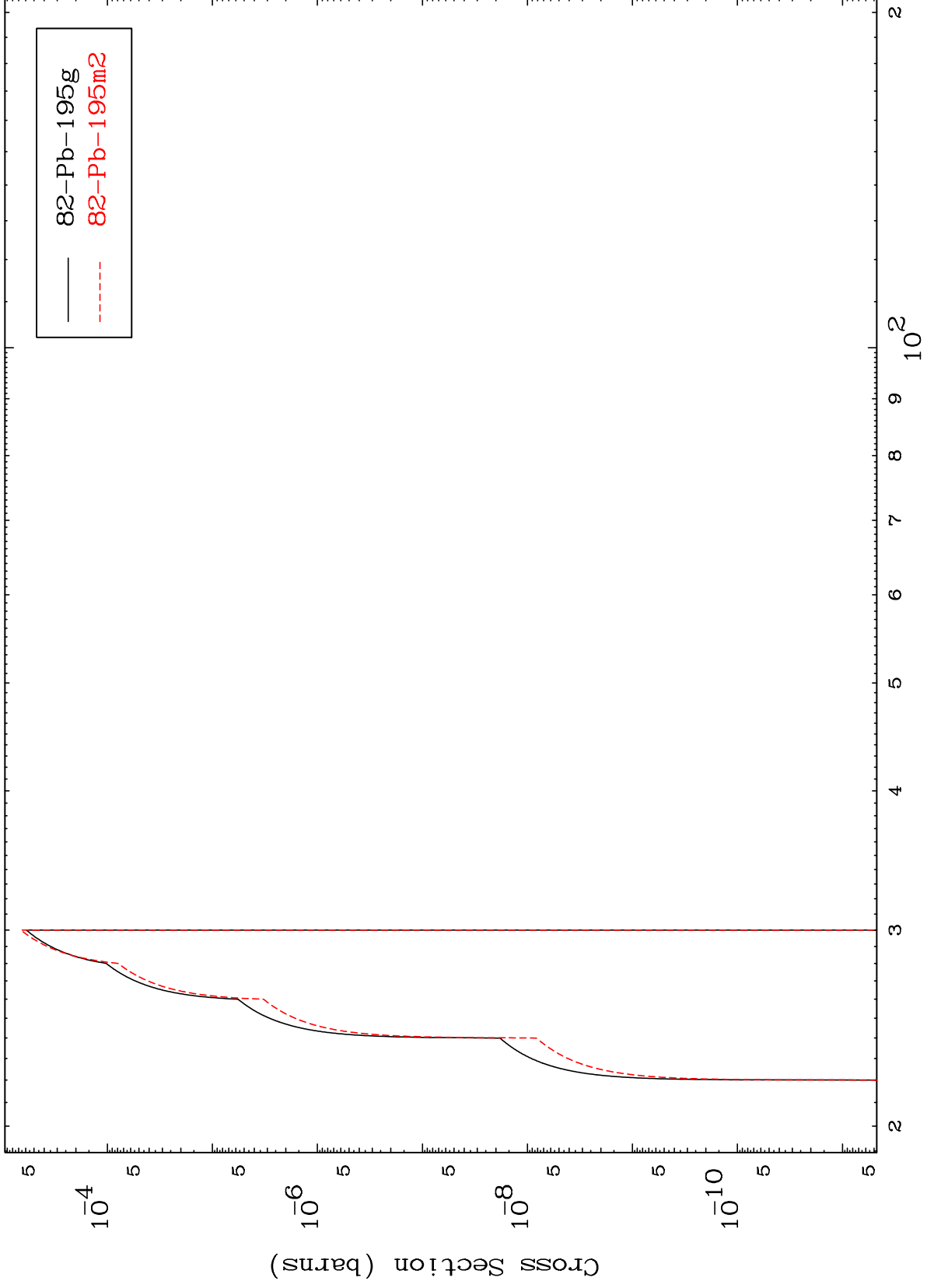


MAT 8204

(n,3n) p

82-Pb-197

Radionuclide Production Cross Section



24

Incident Energy (MeV)

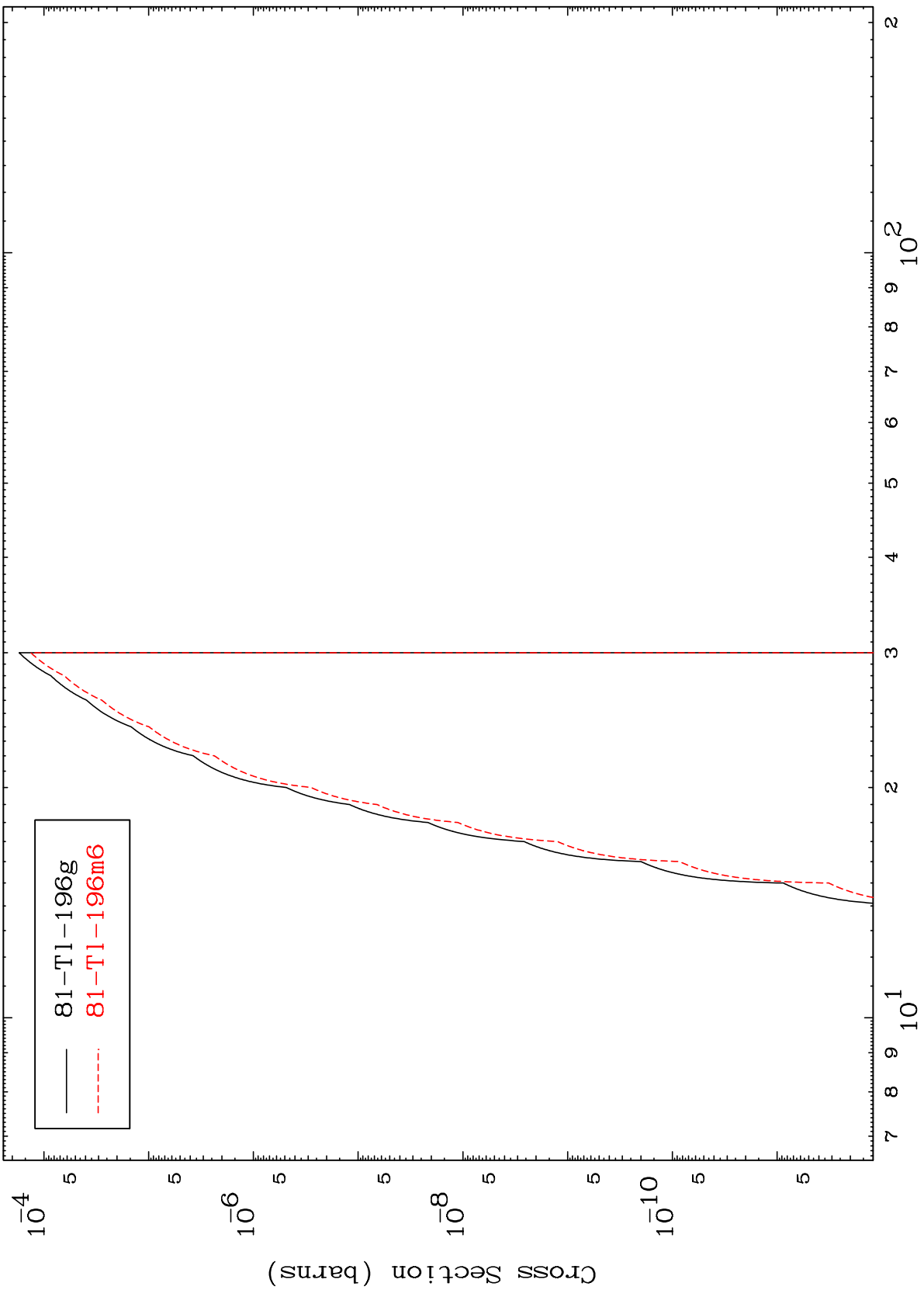
82-Pb-197

MAT 8204

(n,2n) p

82-Pb-197

Radionuclide Production Cross Section



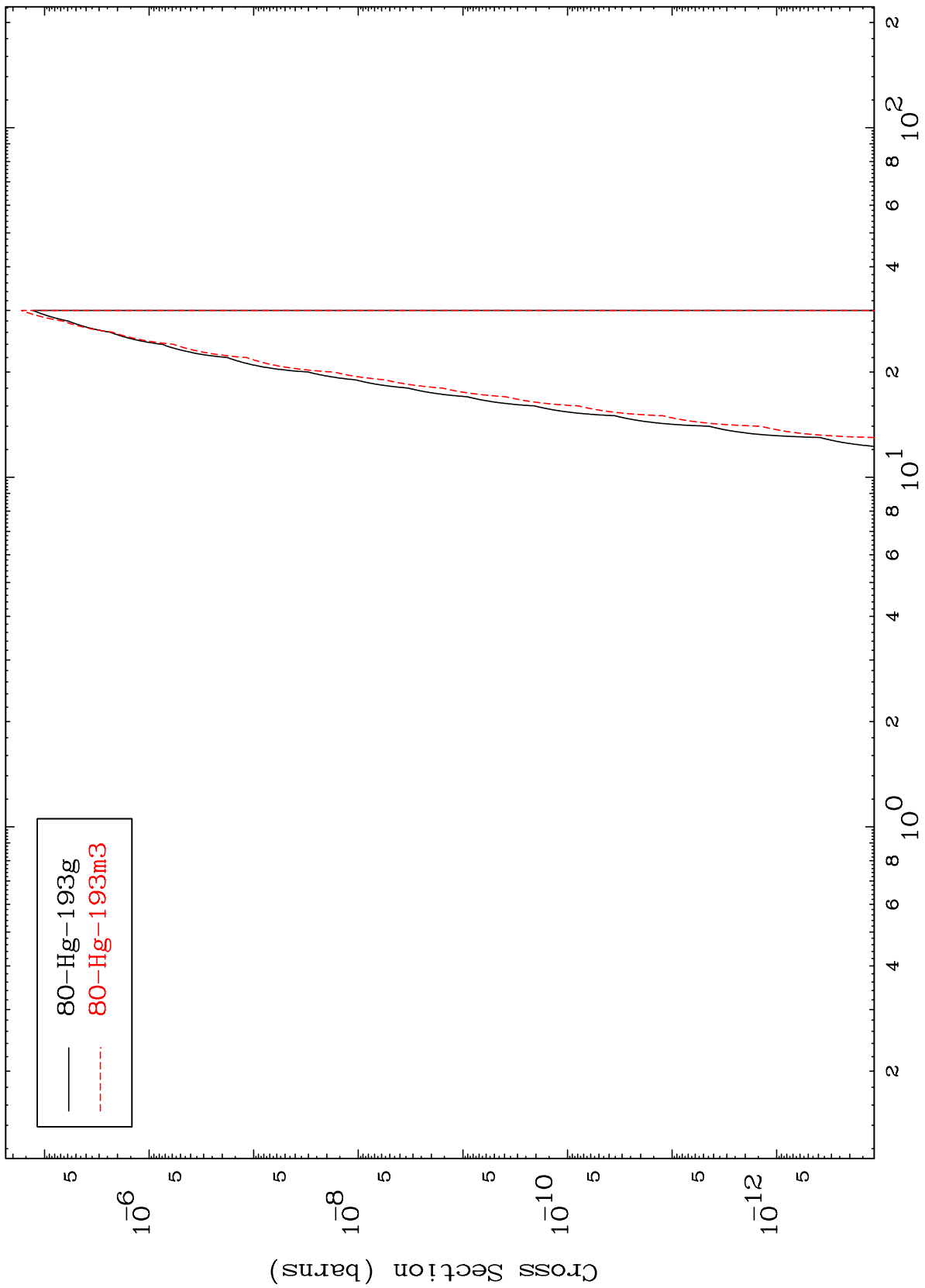
81-Tl-196g  
81-Tl-196m6

MAT 8204

(n,n') p  $\alpha$

82-Pb-197

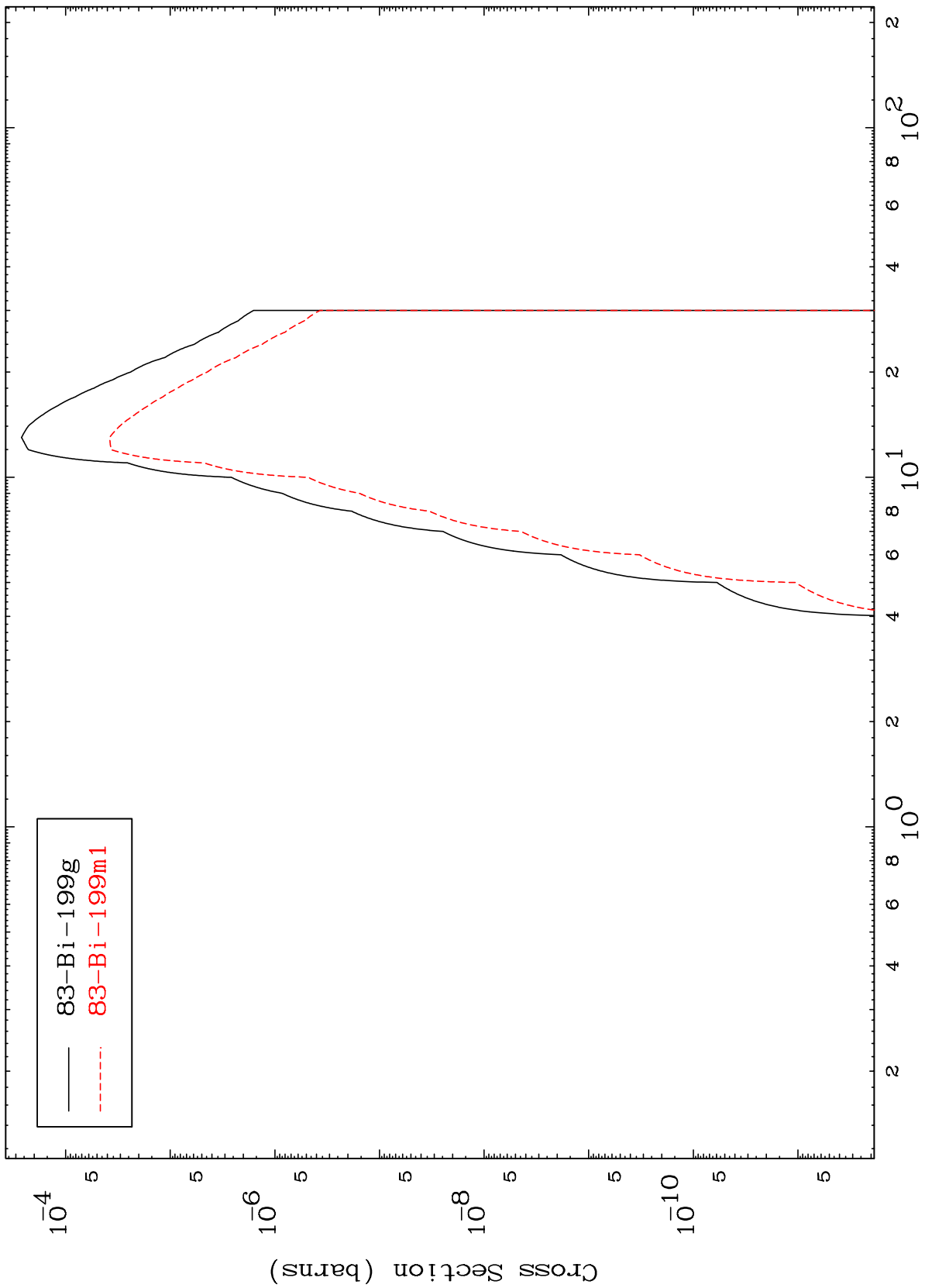
Radionuclide Production Cross Section



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82-Pb-197

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



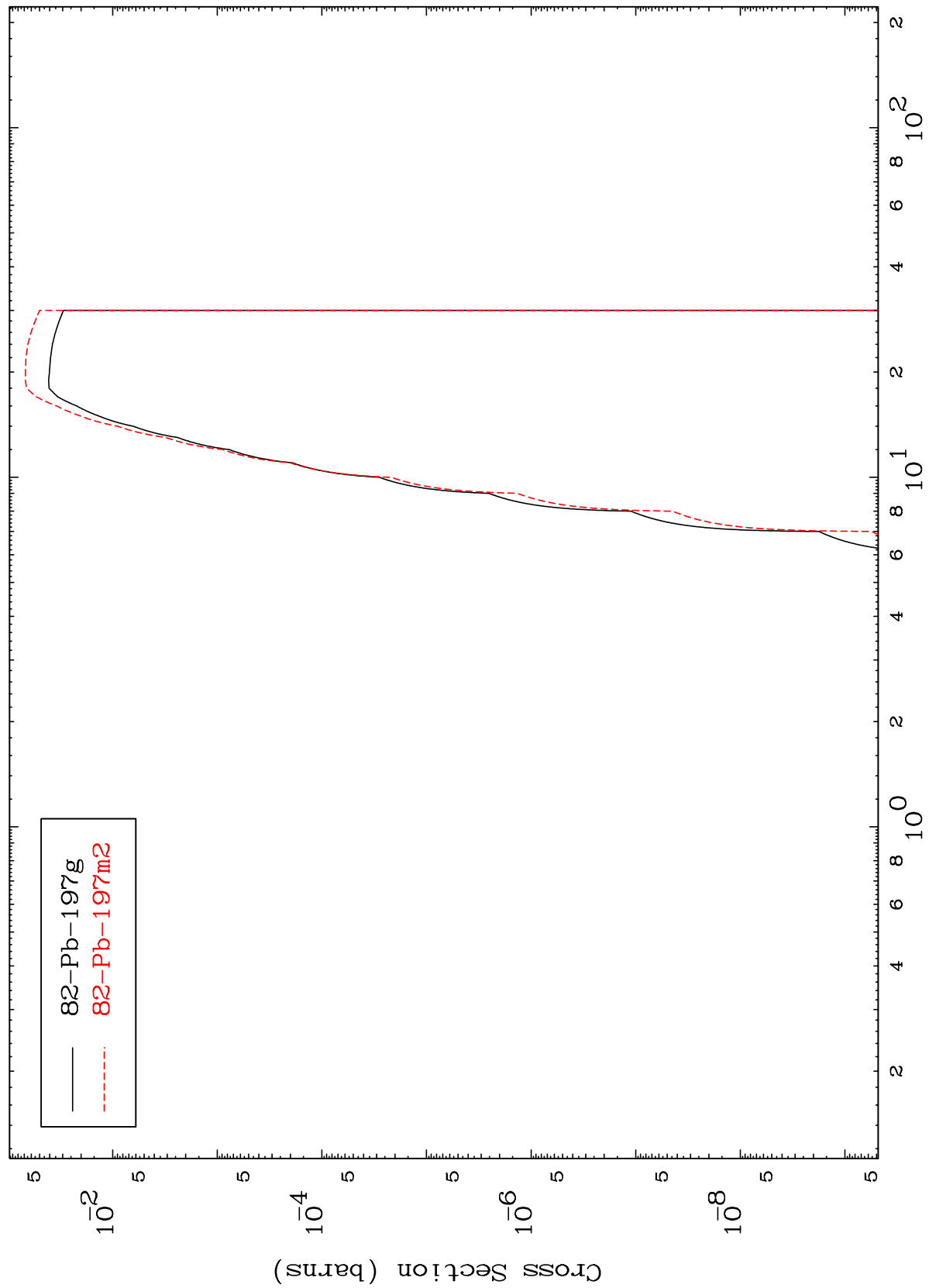
— 83-Bi-199g  
- - - 83-Bi-199m1

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(n,d)

82-Pb-197

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-197

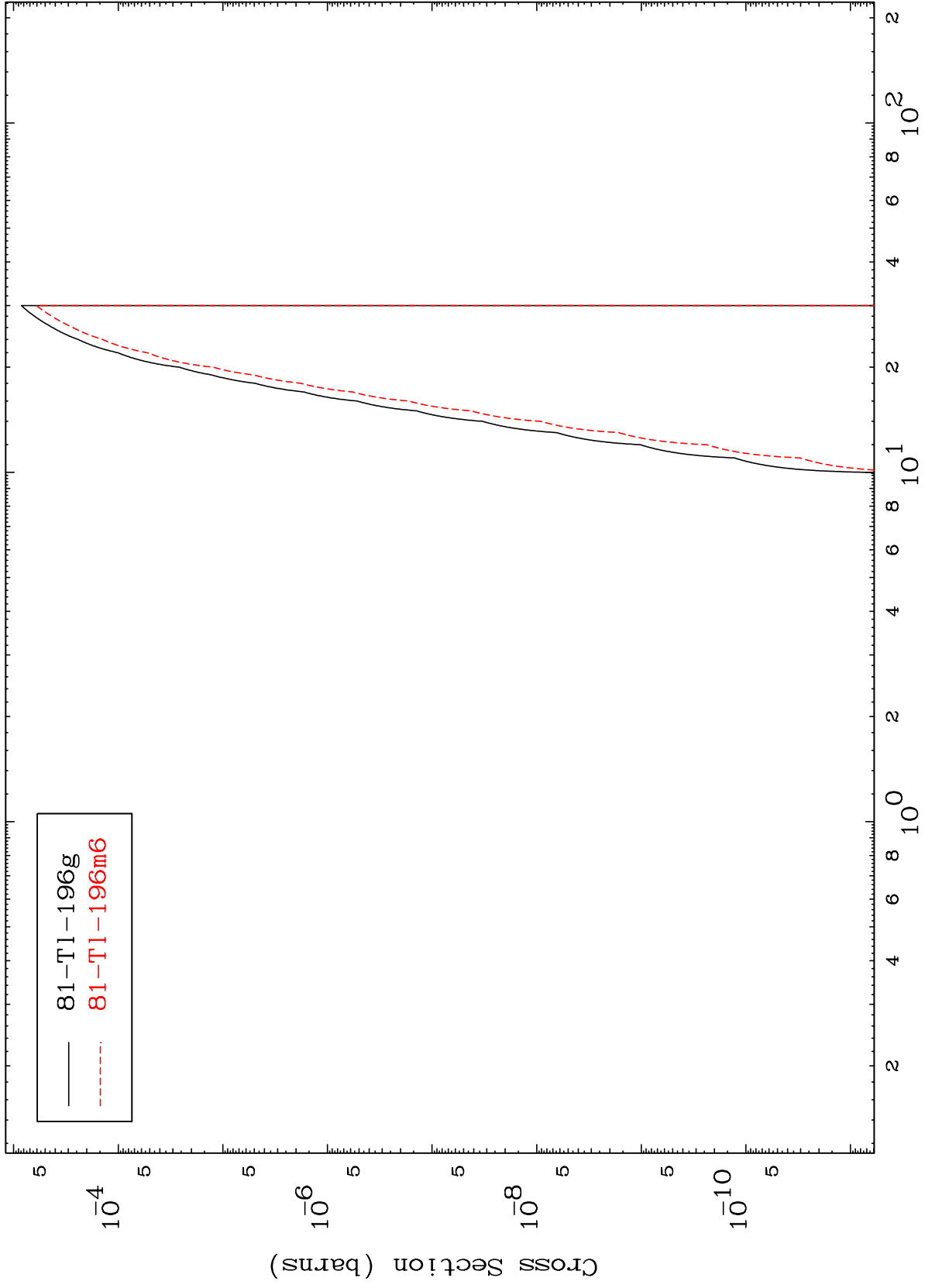
28

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(n,He-3)

82-Pb-197

Radionuclide Production Cross Section



29

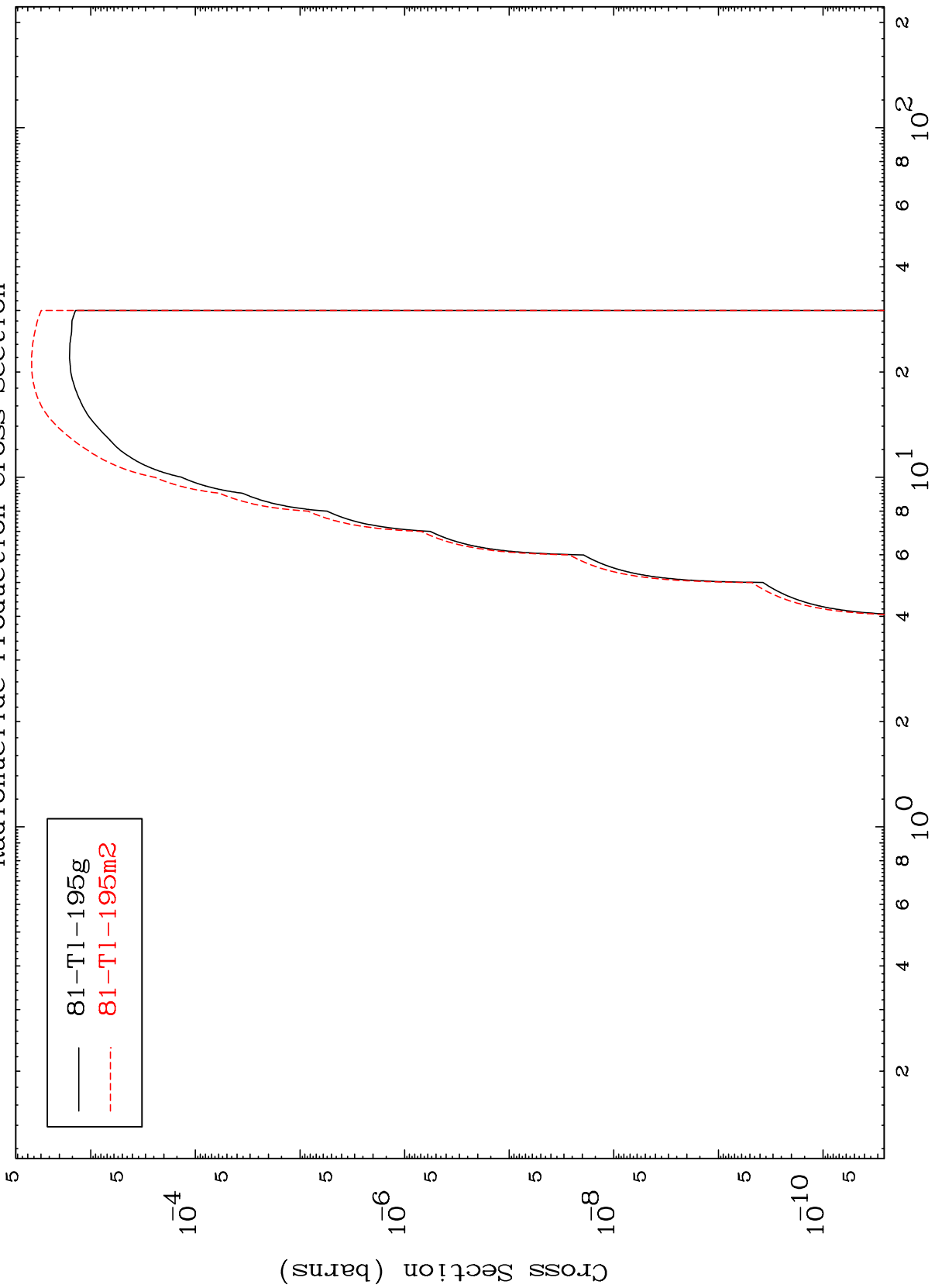
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

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



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

82-Pb-197

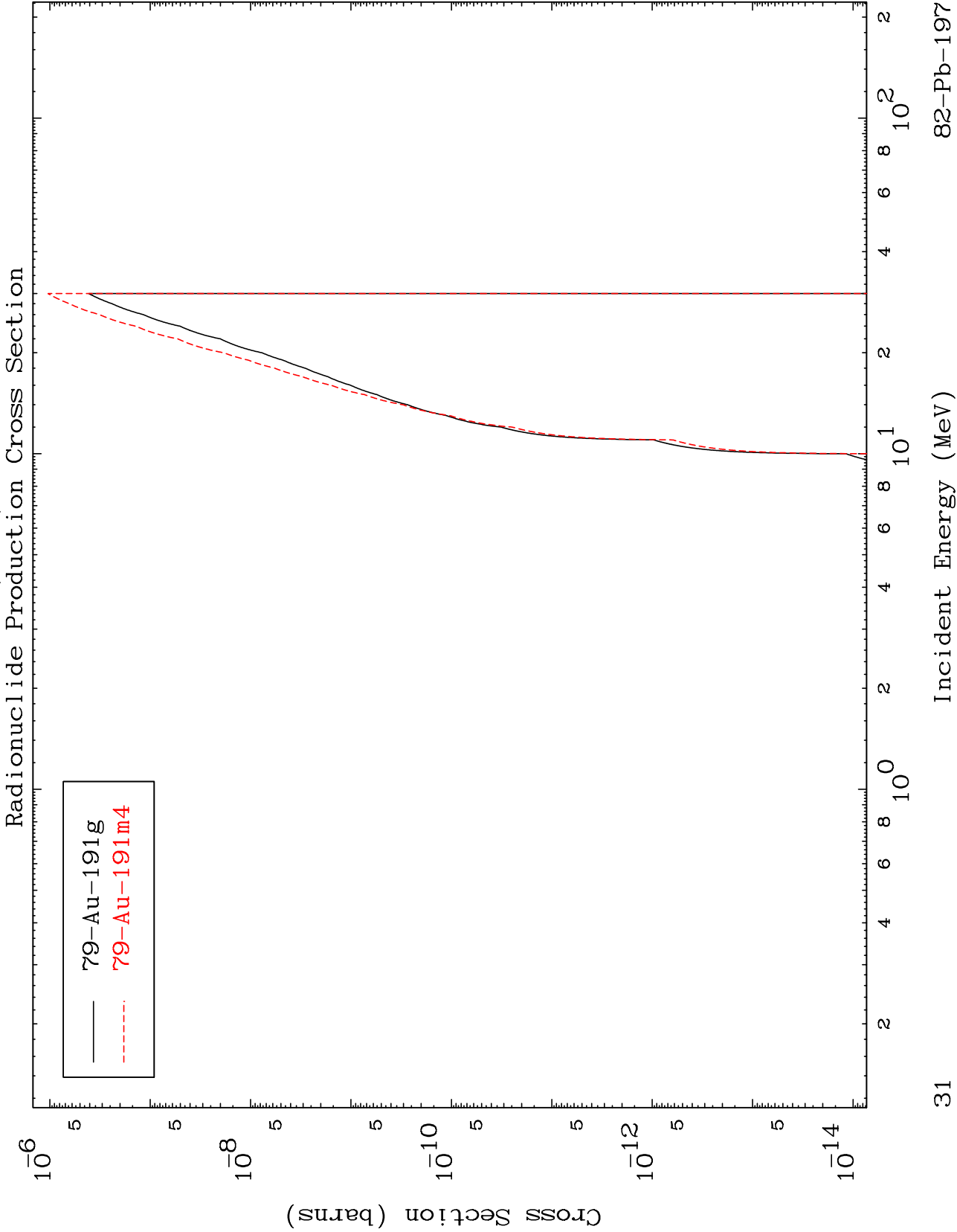
Incident Energy (MeV)

30

MAT 8204

(n,2 $\alpha$ )

82-Pb-197

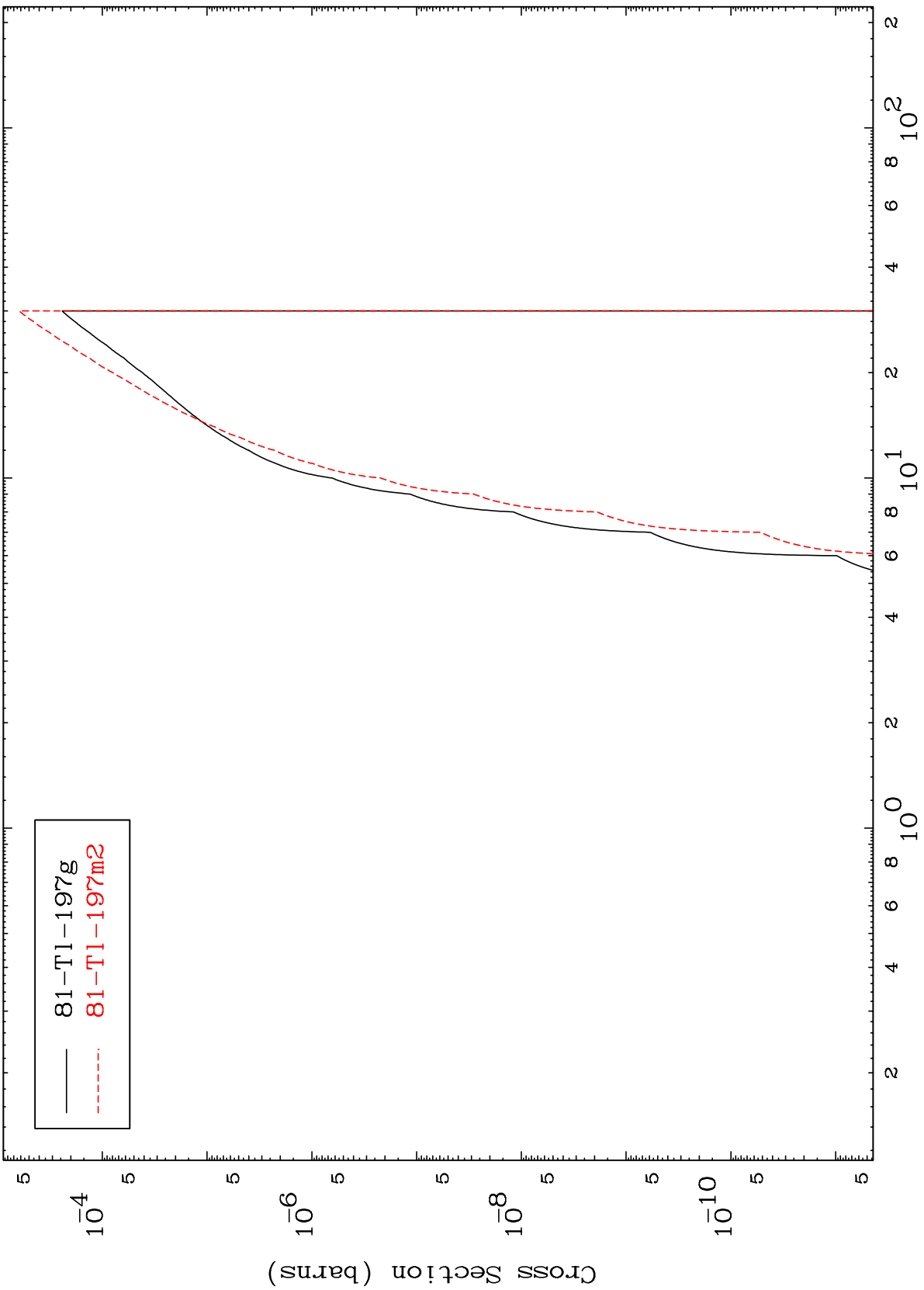




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82-Pb-197

Radionuclide Production Cross Section  
(n,2p)



82-Pb-197

Incident Energy (MeV)

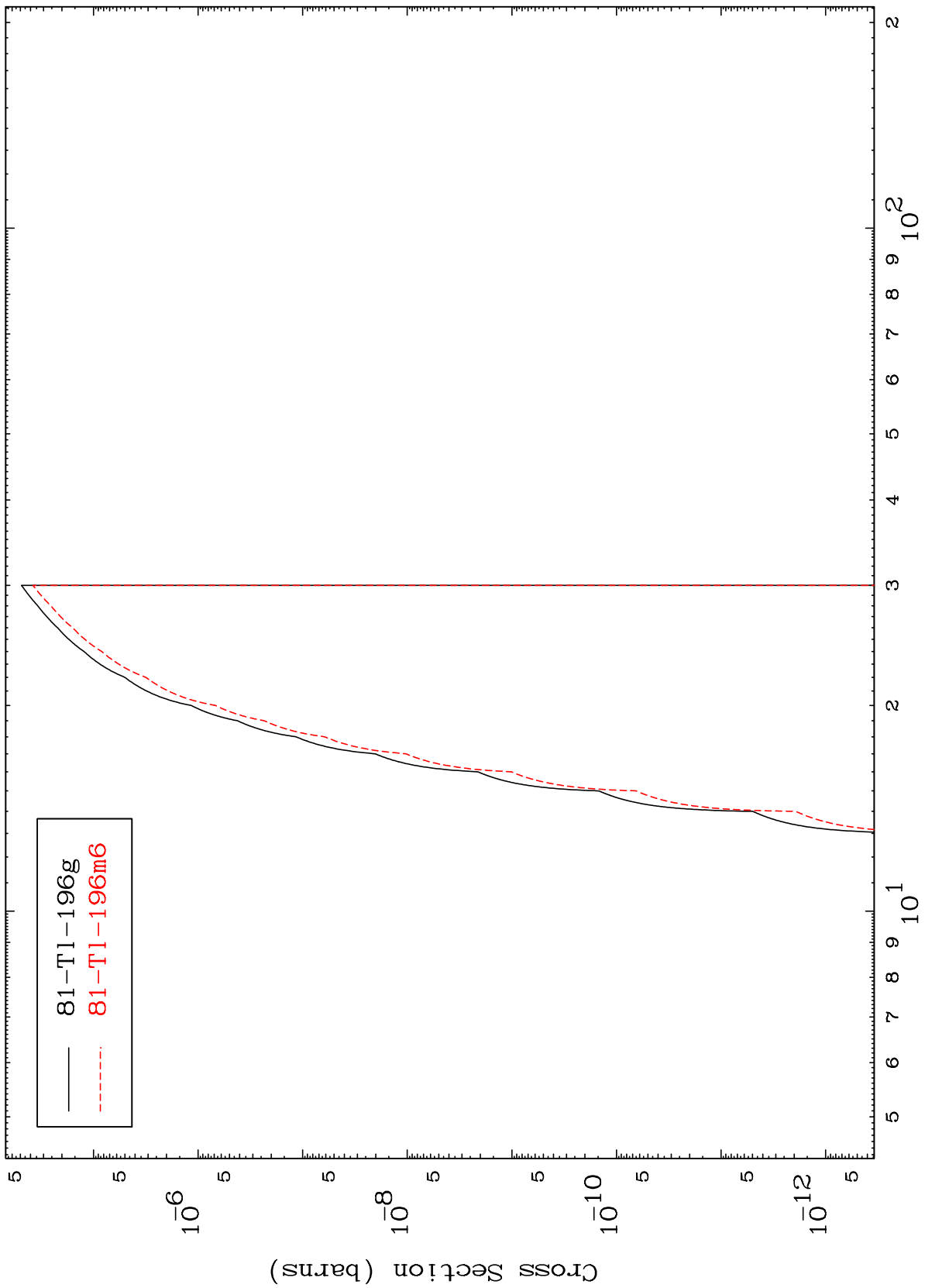
32

MAT 8204

(n,p) d

82-Pb-197

Radionuclide Production Cross Section

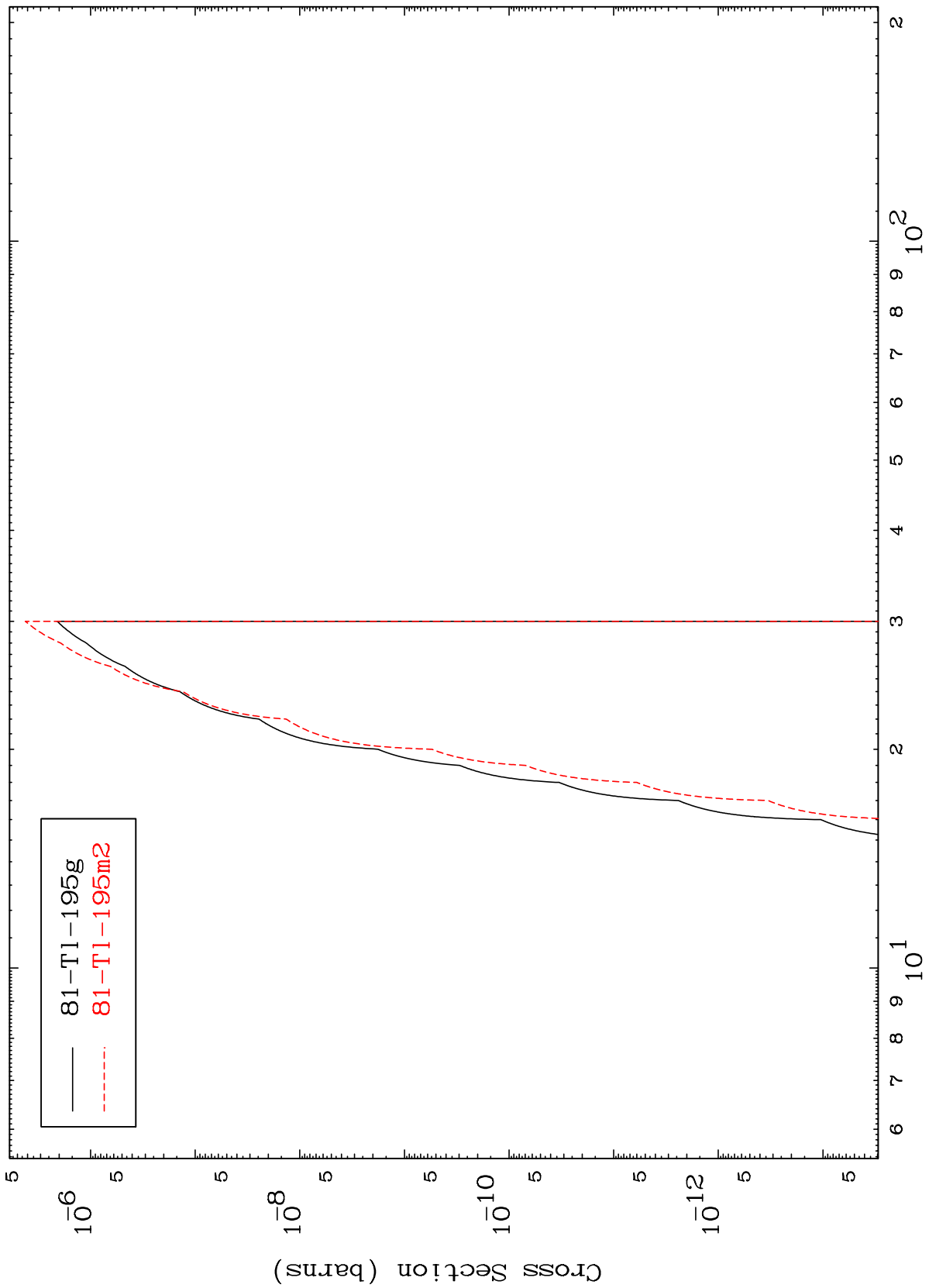


MAT 8204

(n,p) t

82-Pb-197

Radionuclide Production Cross Section



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

34

Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,d)  $\alpha$

82-Pb-197

