

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

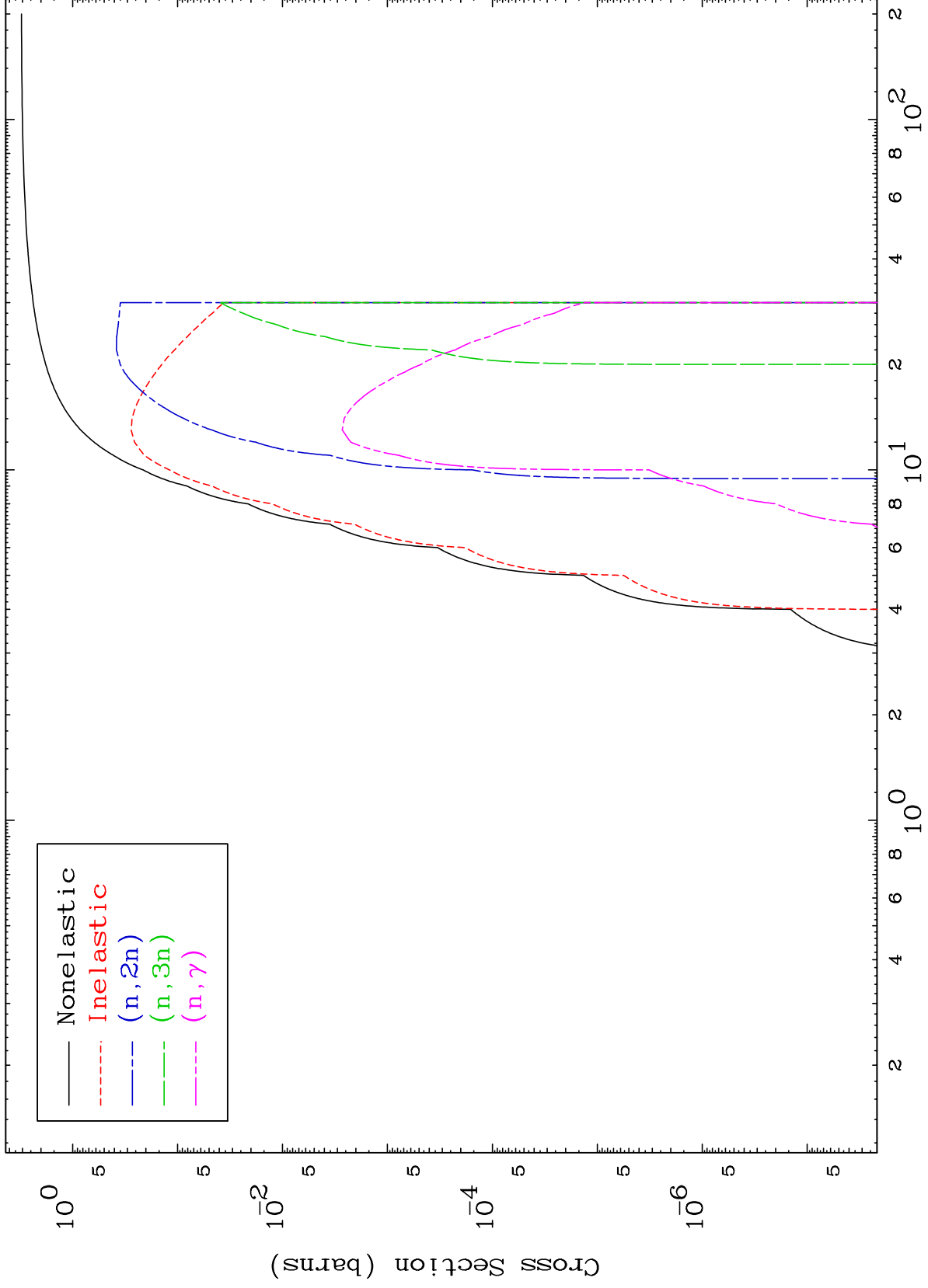
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

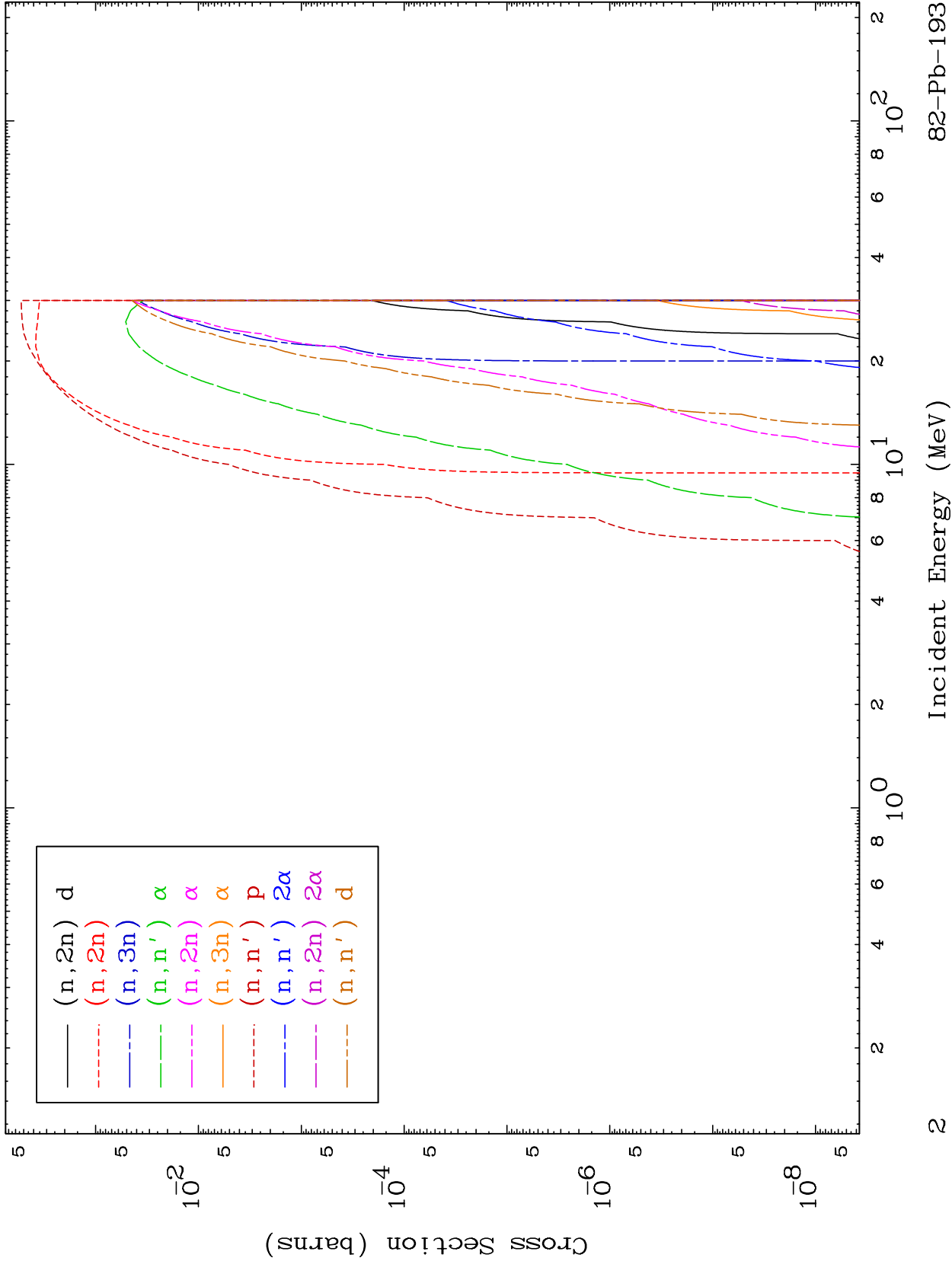
Tele: 925-443-1911

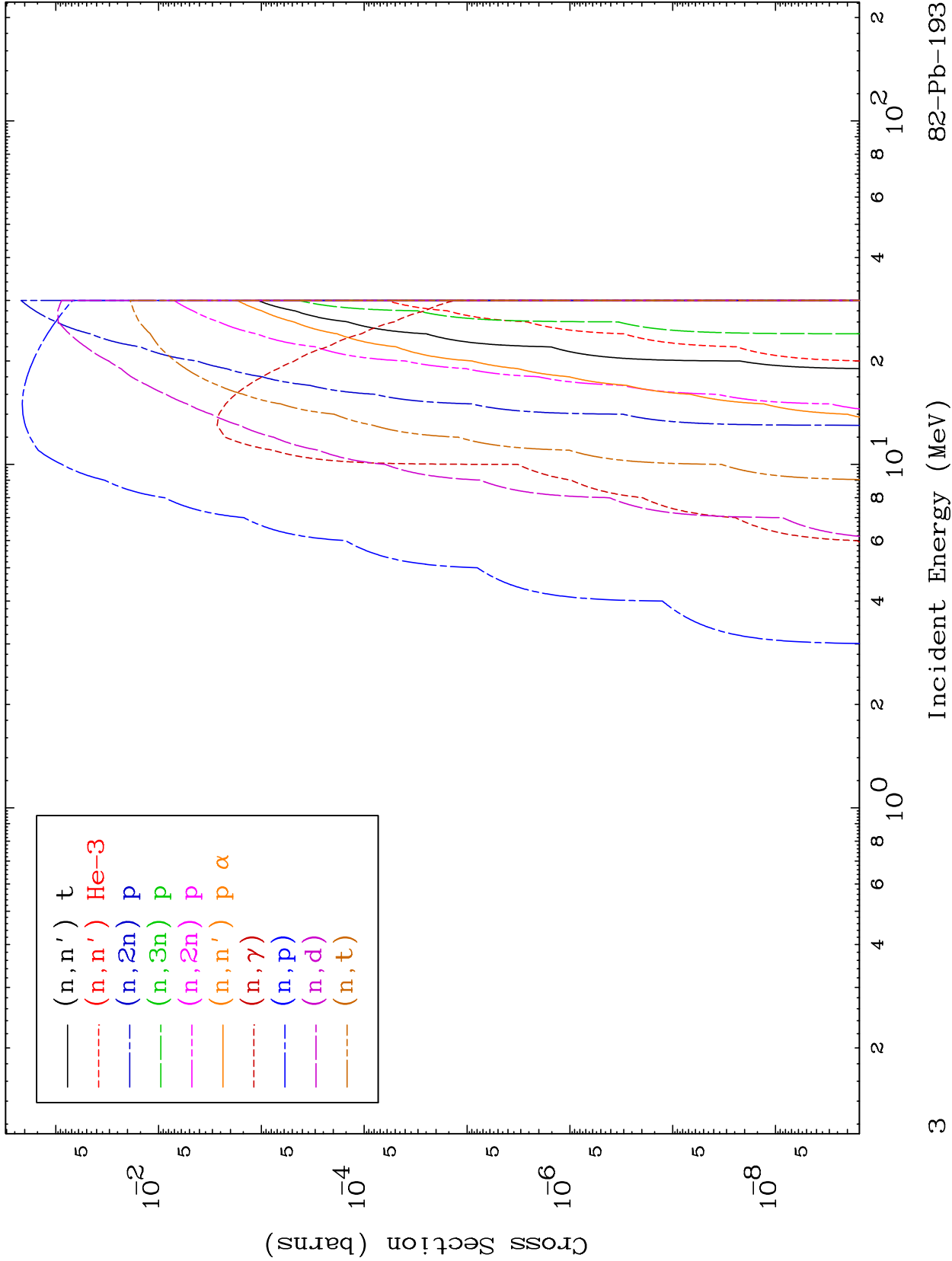
E.Mail:redcullen1@comcast.net

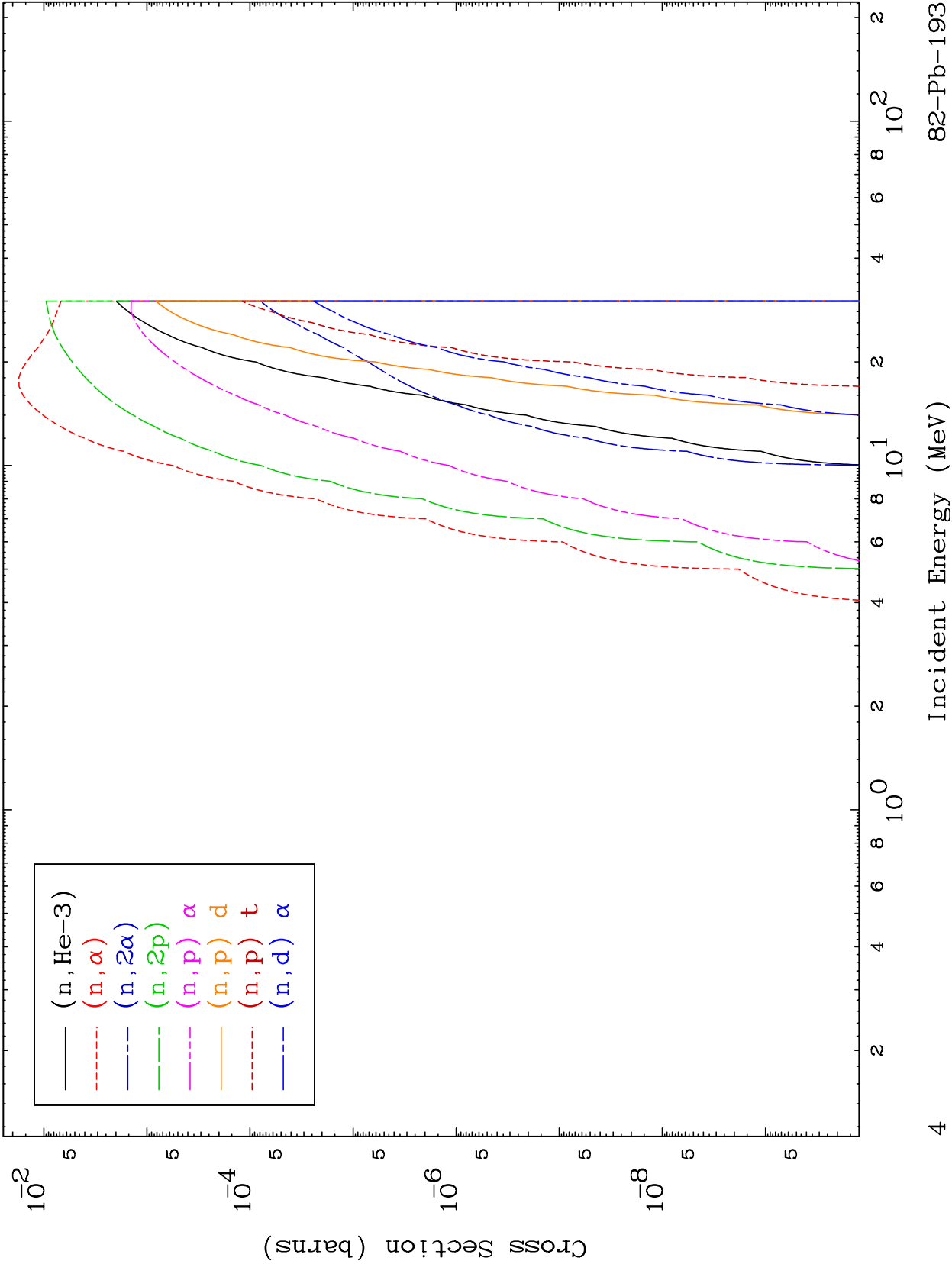
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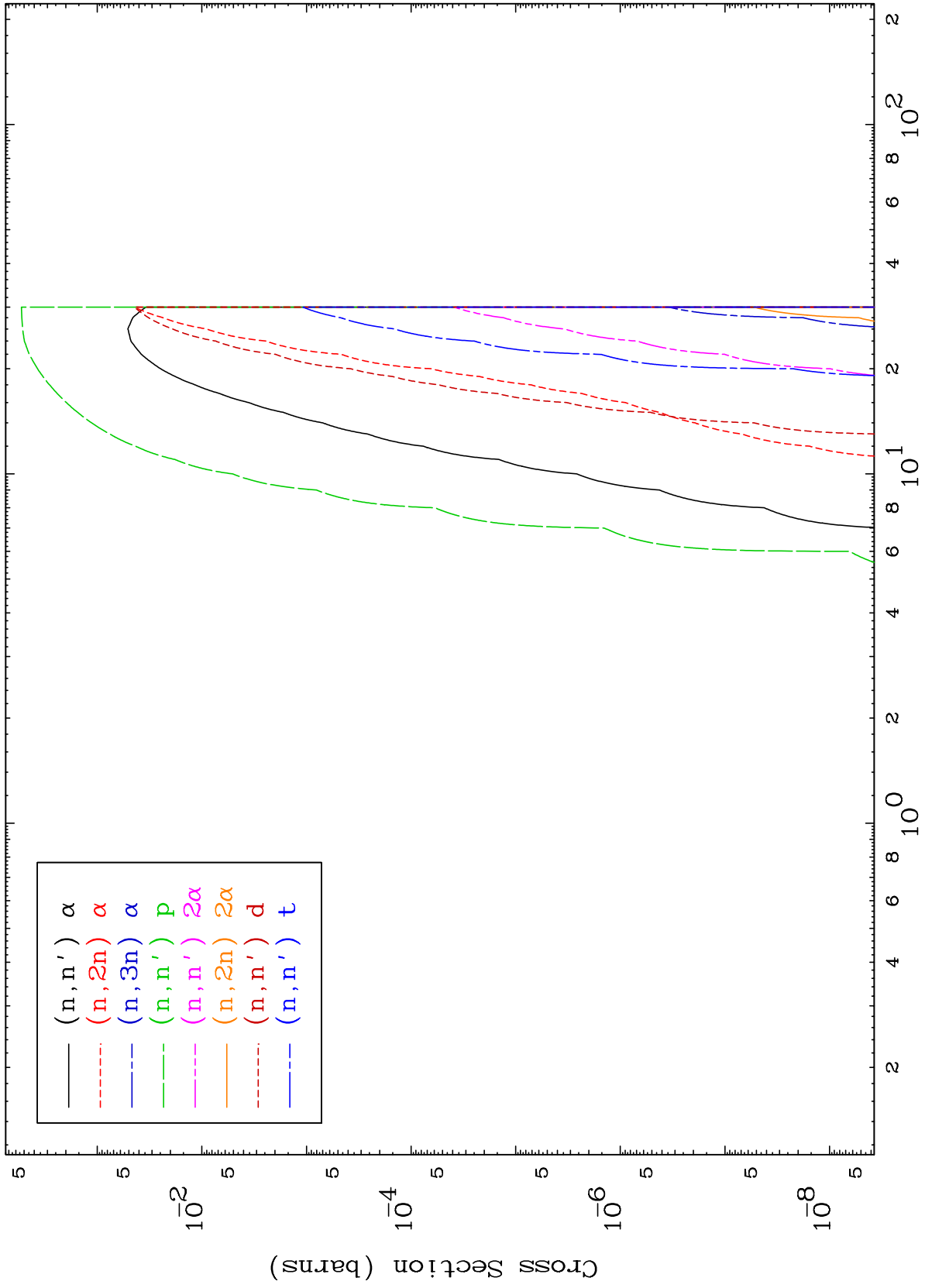
Press Mouse Button to Start

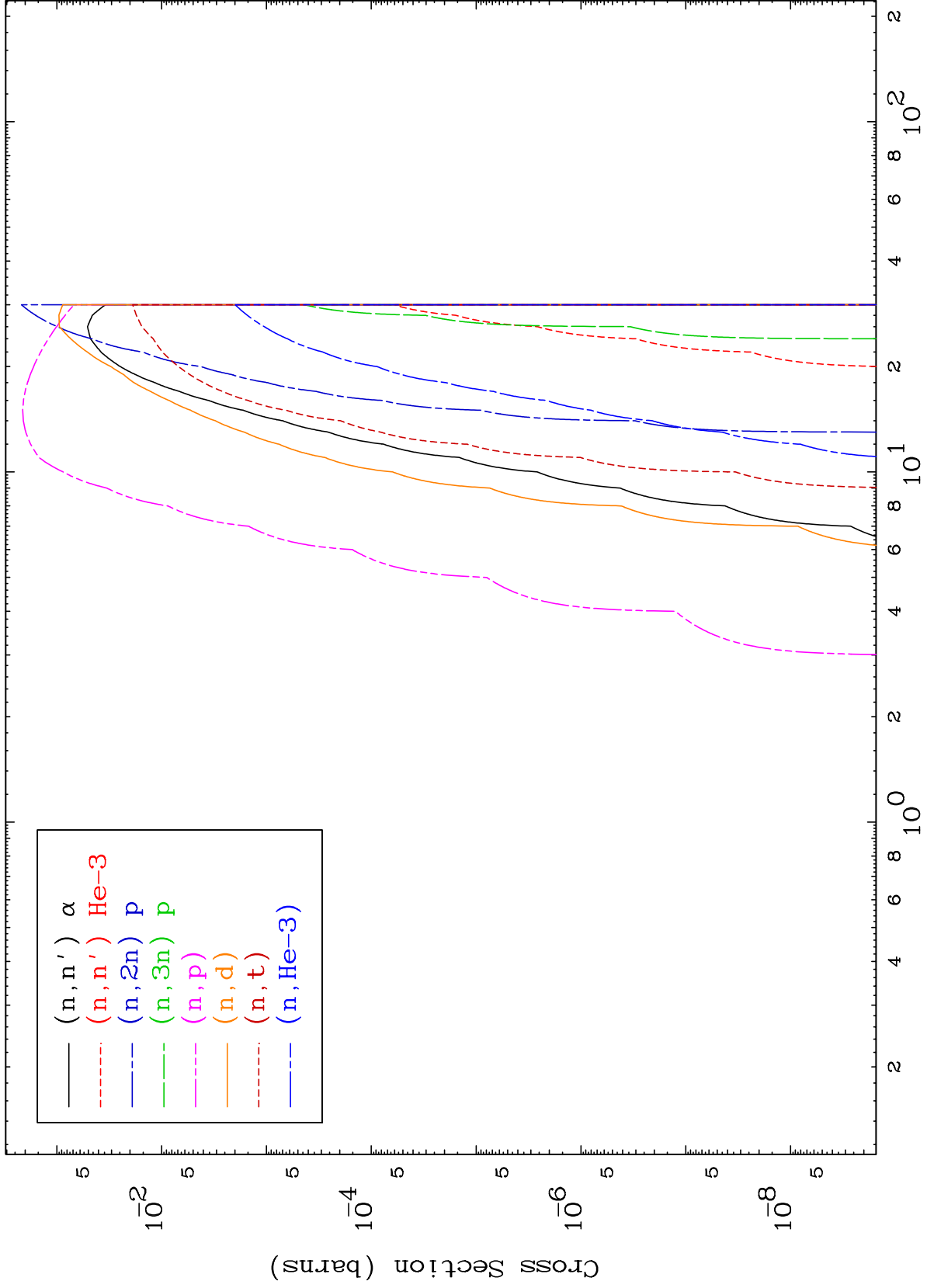


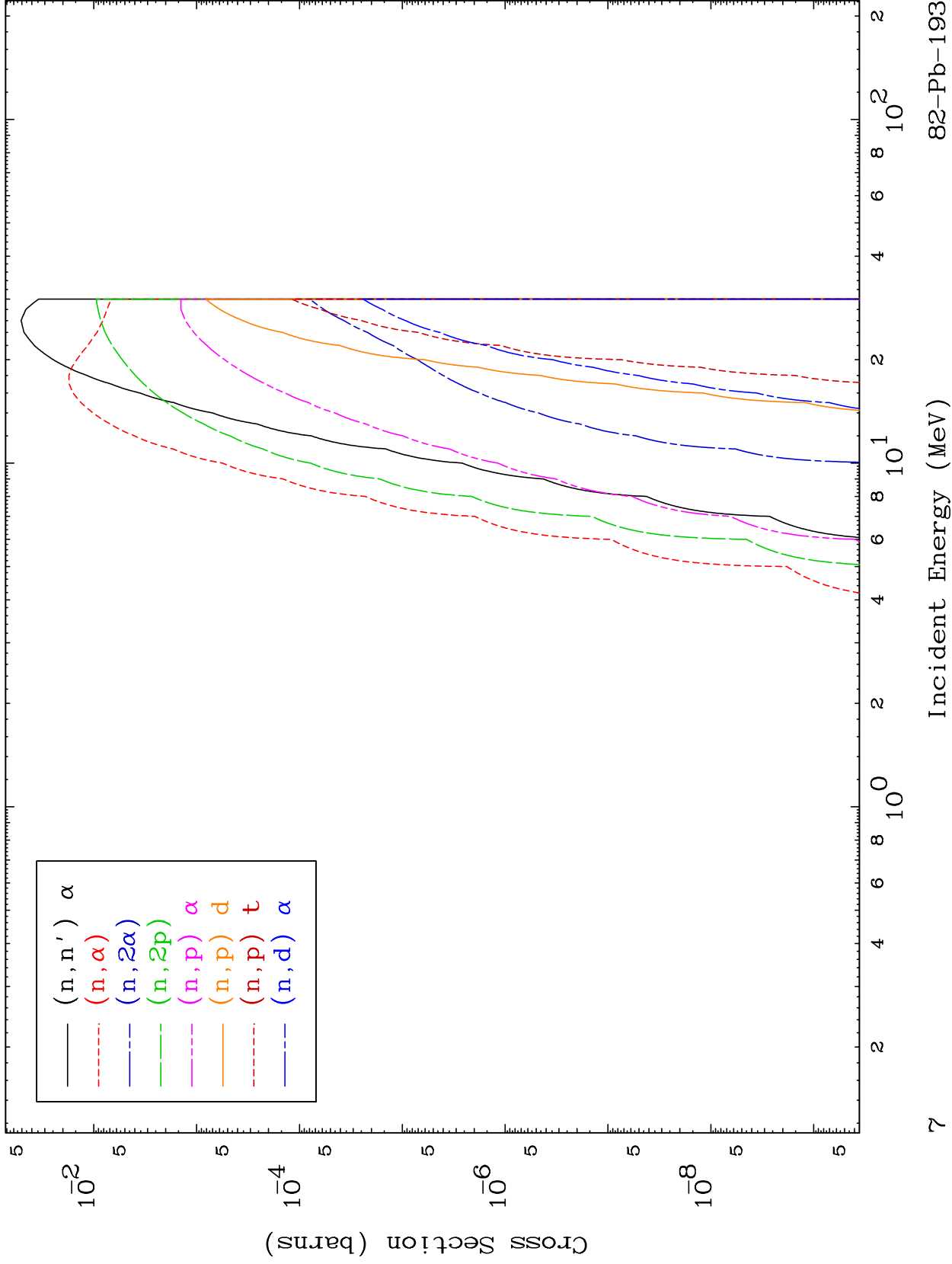










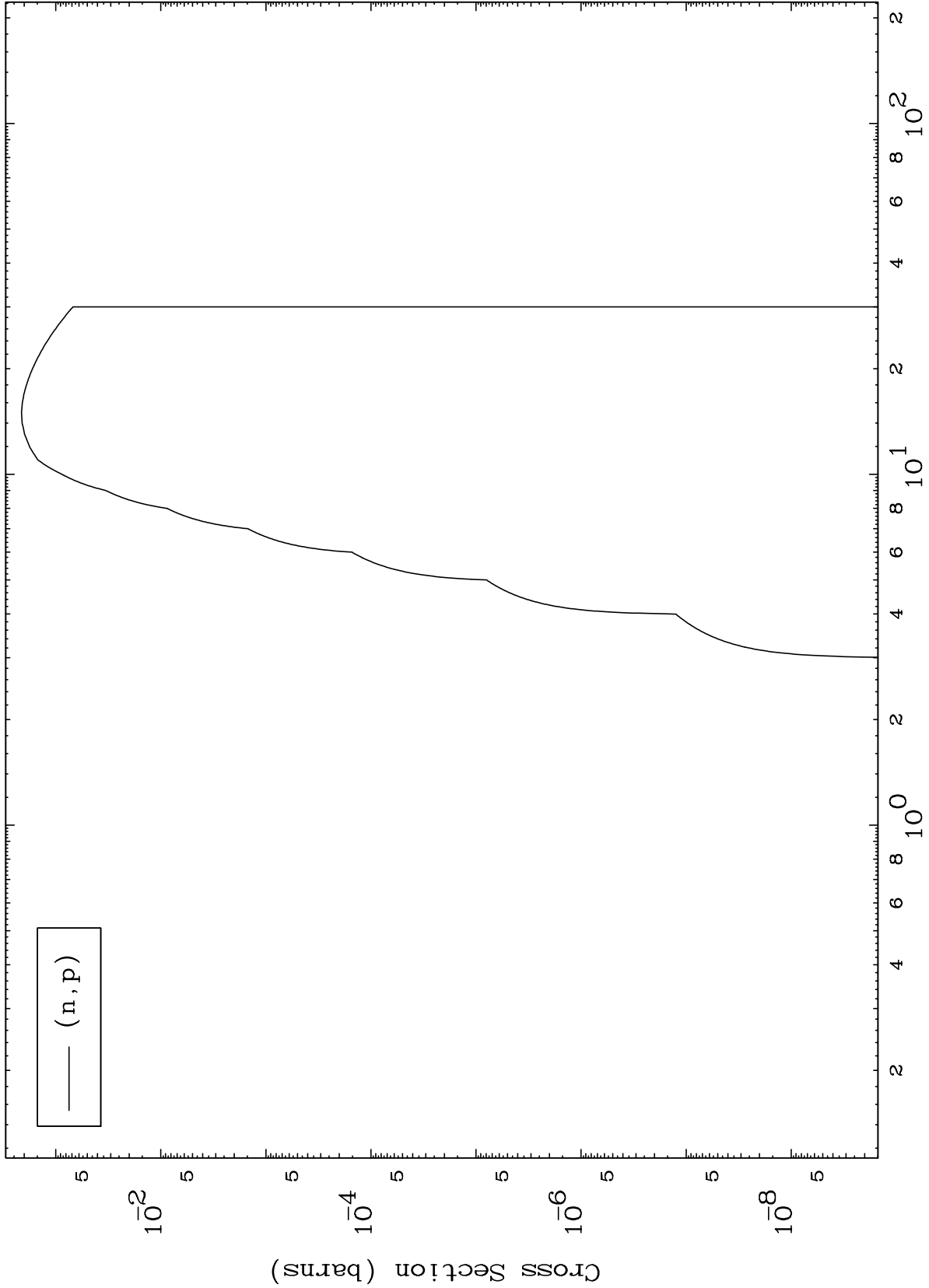


MAT 8192

(d,p) Levels

82-Pb-193

0 Kelvin Cross Sections

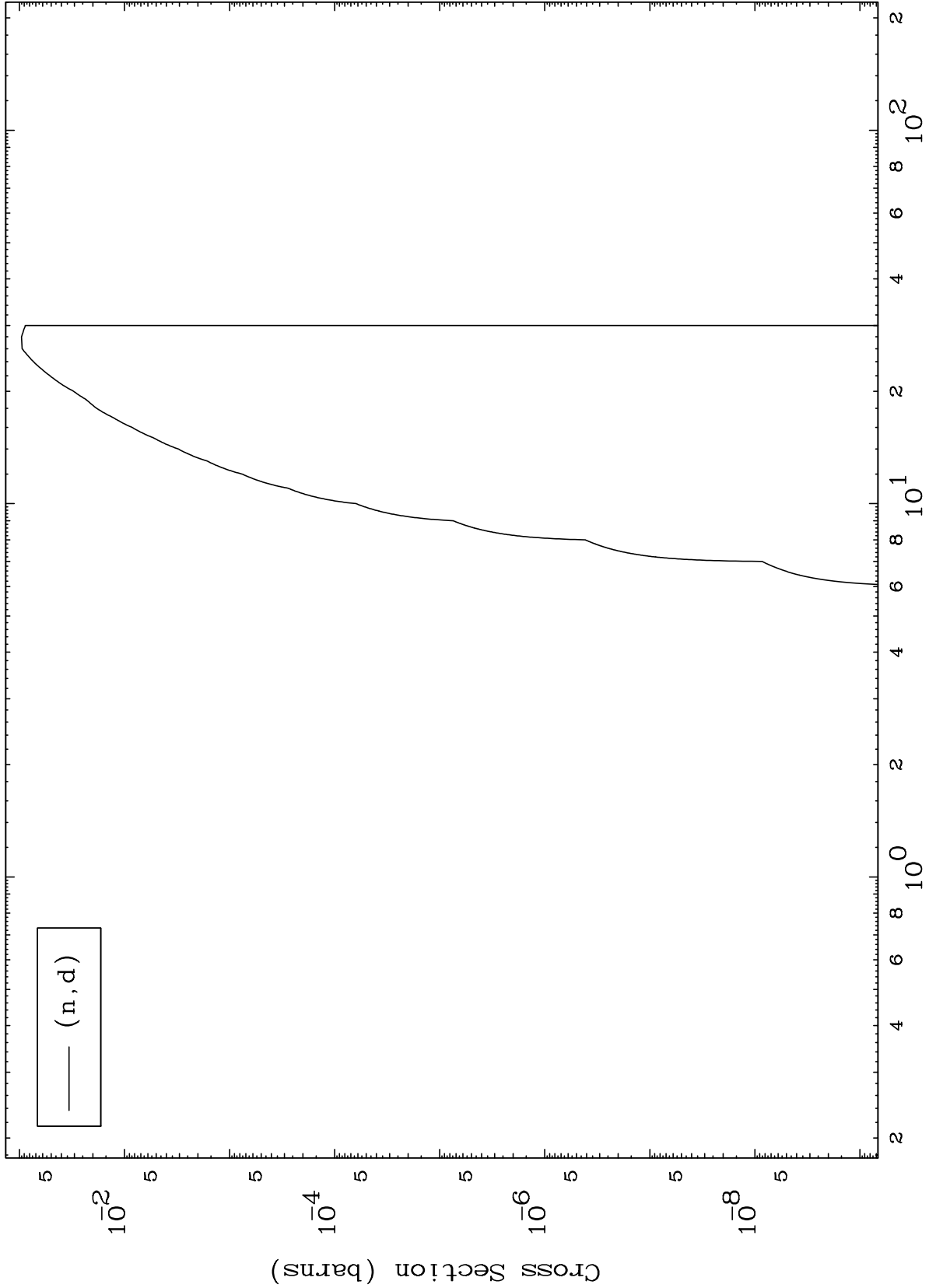


MAT 8192

(d,d) Levels

82-Pb-193

0 Kelvin Cross Sections

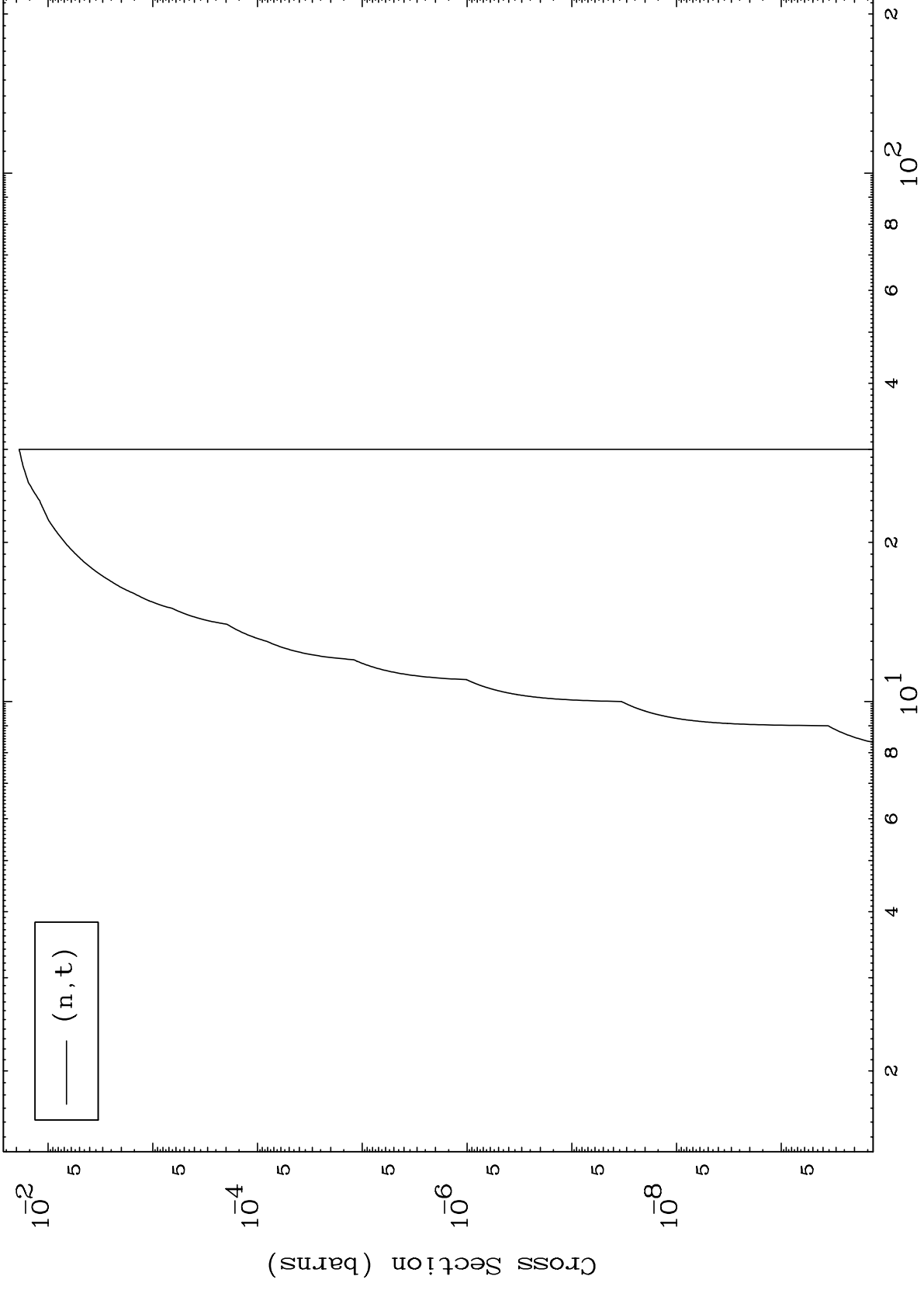


(n,d)

MAT 8192

82-Pb-193

(d,t) Levels  
0 Kelvin Cross Sections



10

Incident Energy (MeV)

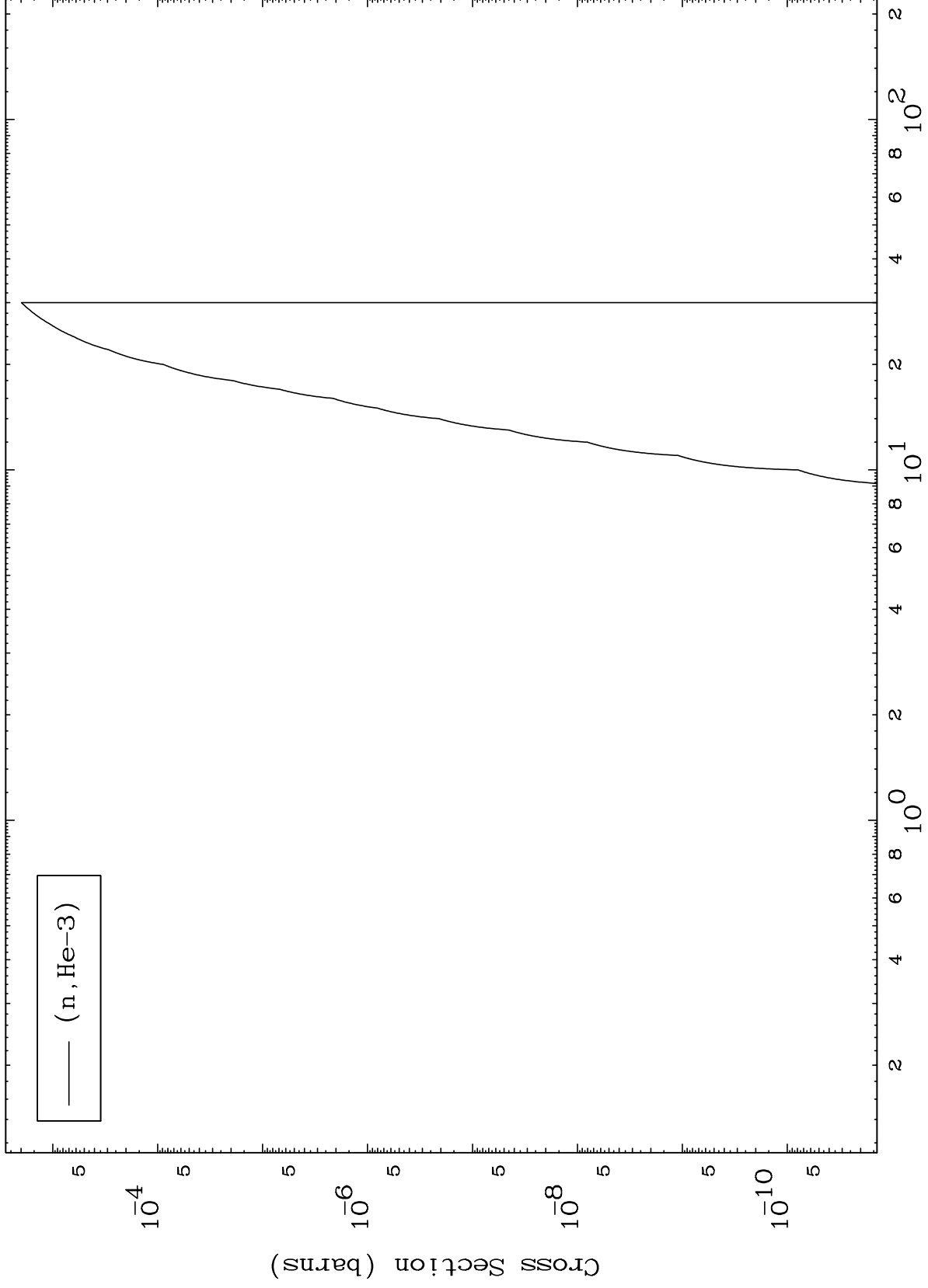
82-Pb-193

MAT 8192

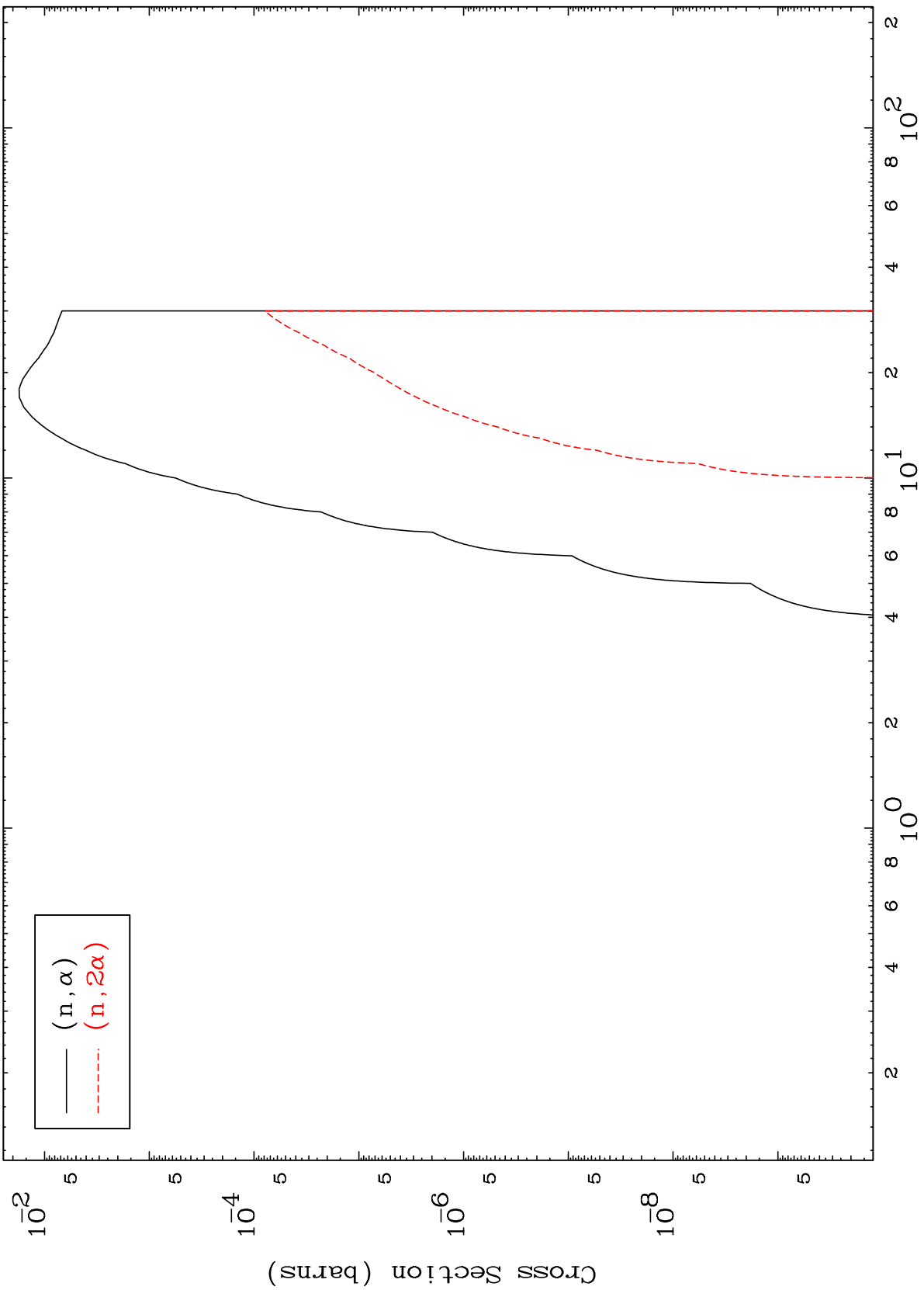
(d,He3) Levels

82-Pb-193

0 Kelvin Cross Sections



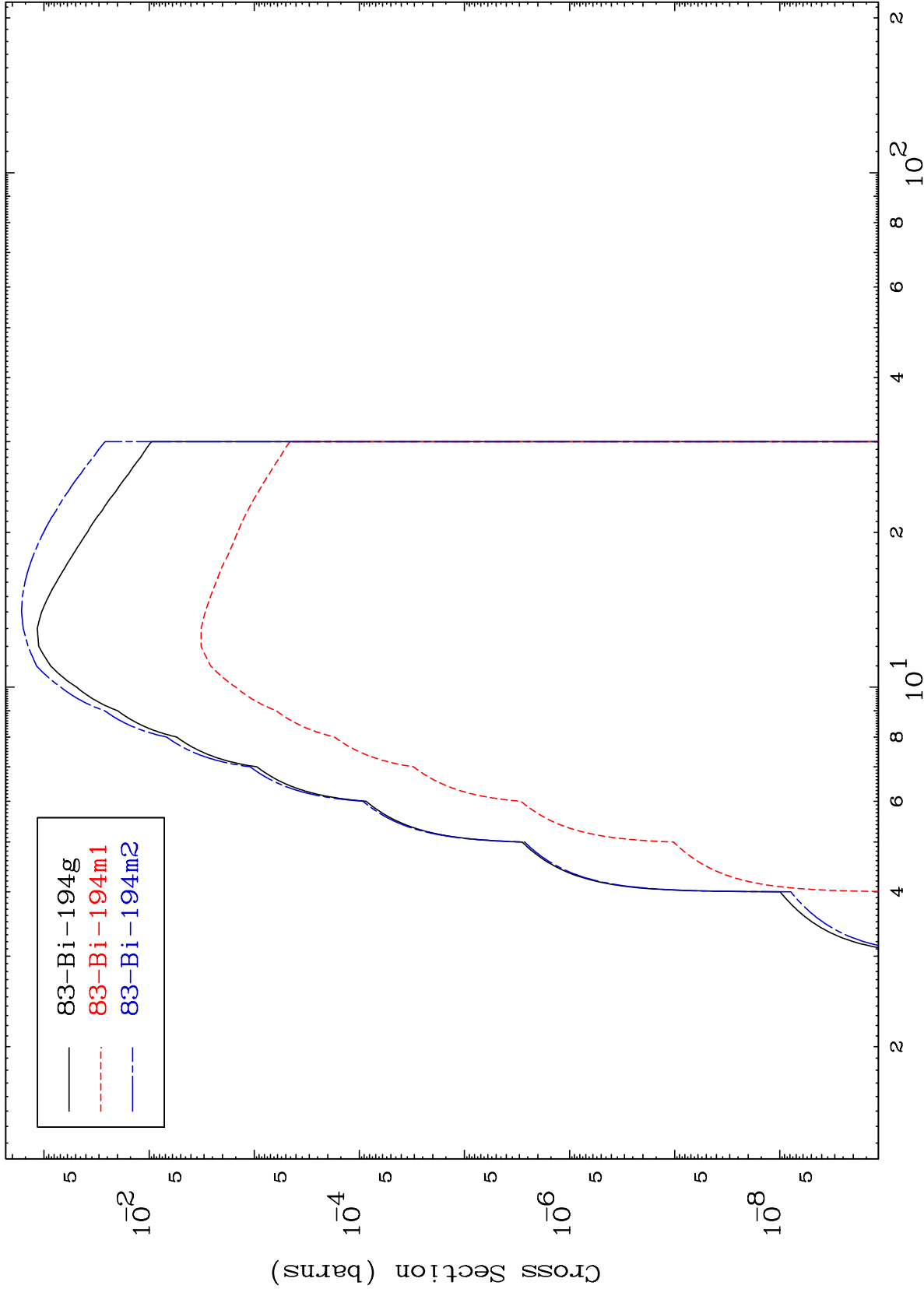
(d,  $\alpha$ ) Levels  
0 Kelvin Cross Sections



MAT 8192

82-Pb-193

Inelastic  
Radionuclide Production Cross Section

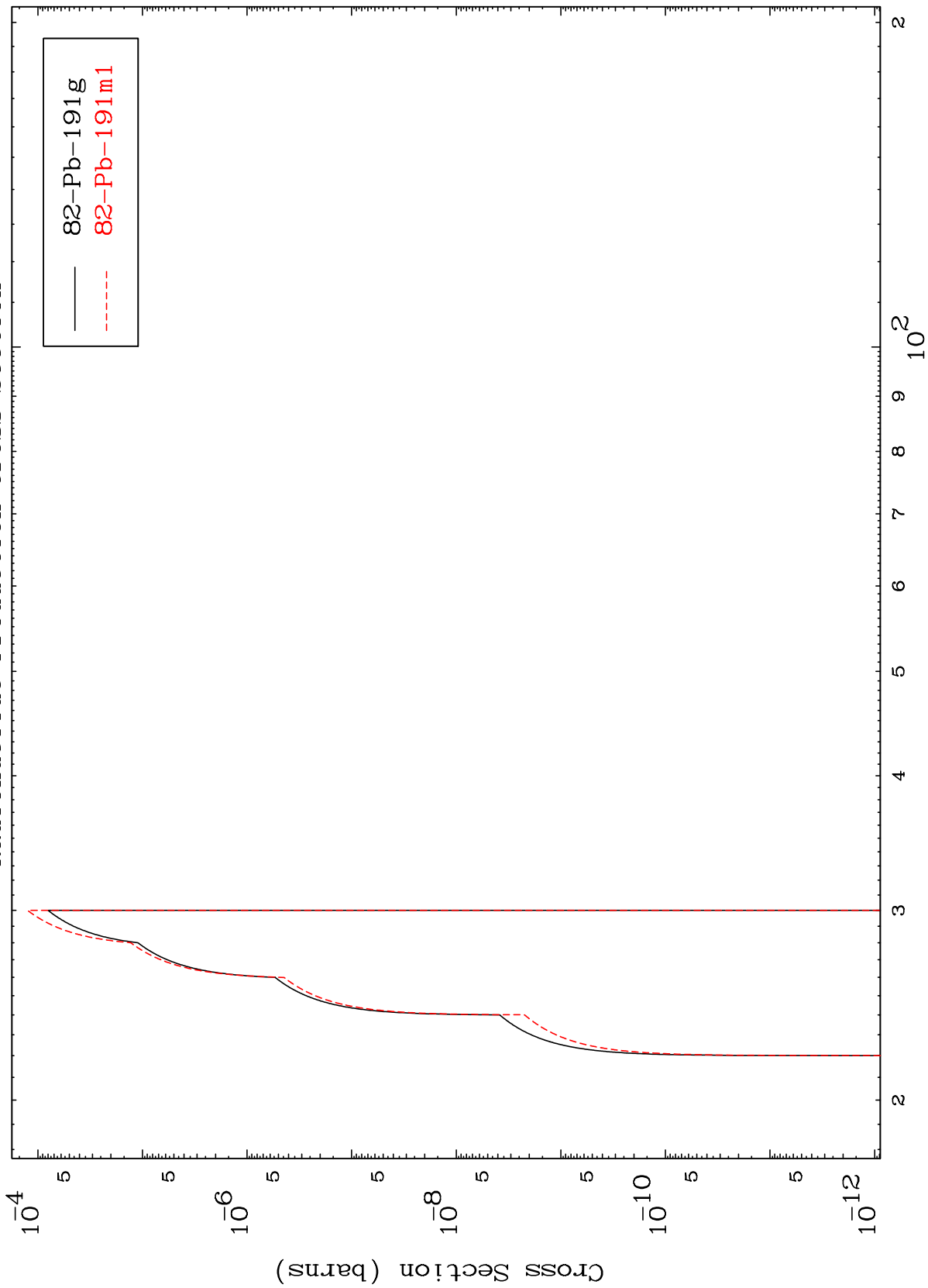


MAT 8192

(n,2n) d

82-Pb-193

Radionuclide Production Cross Section



14

Incident Energy (MeV)

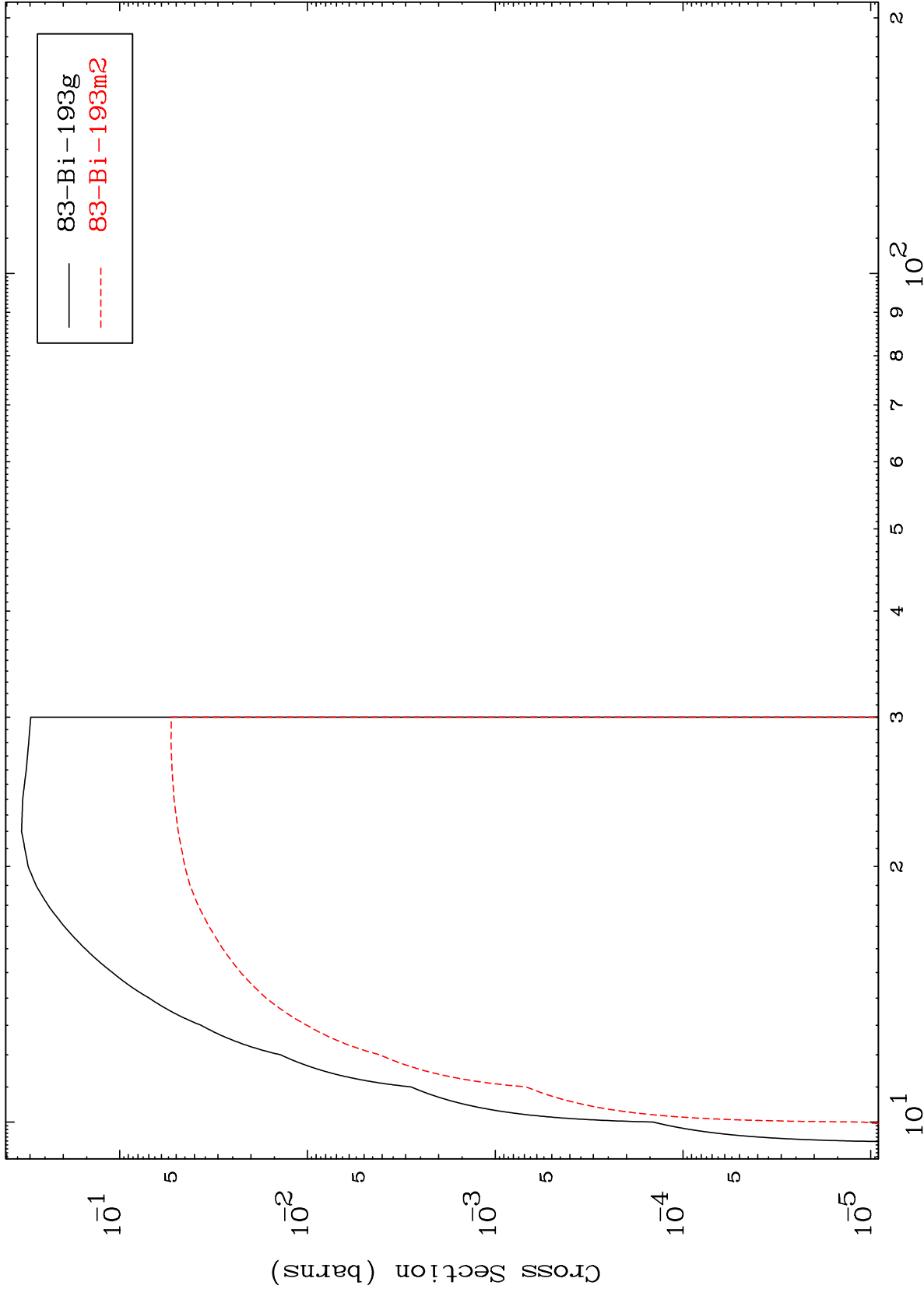
82-Pb-193

MAT 8192

(n,2n)

82-Pb-193

Radionuclide Production Cross Section



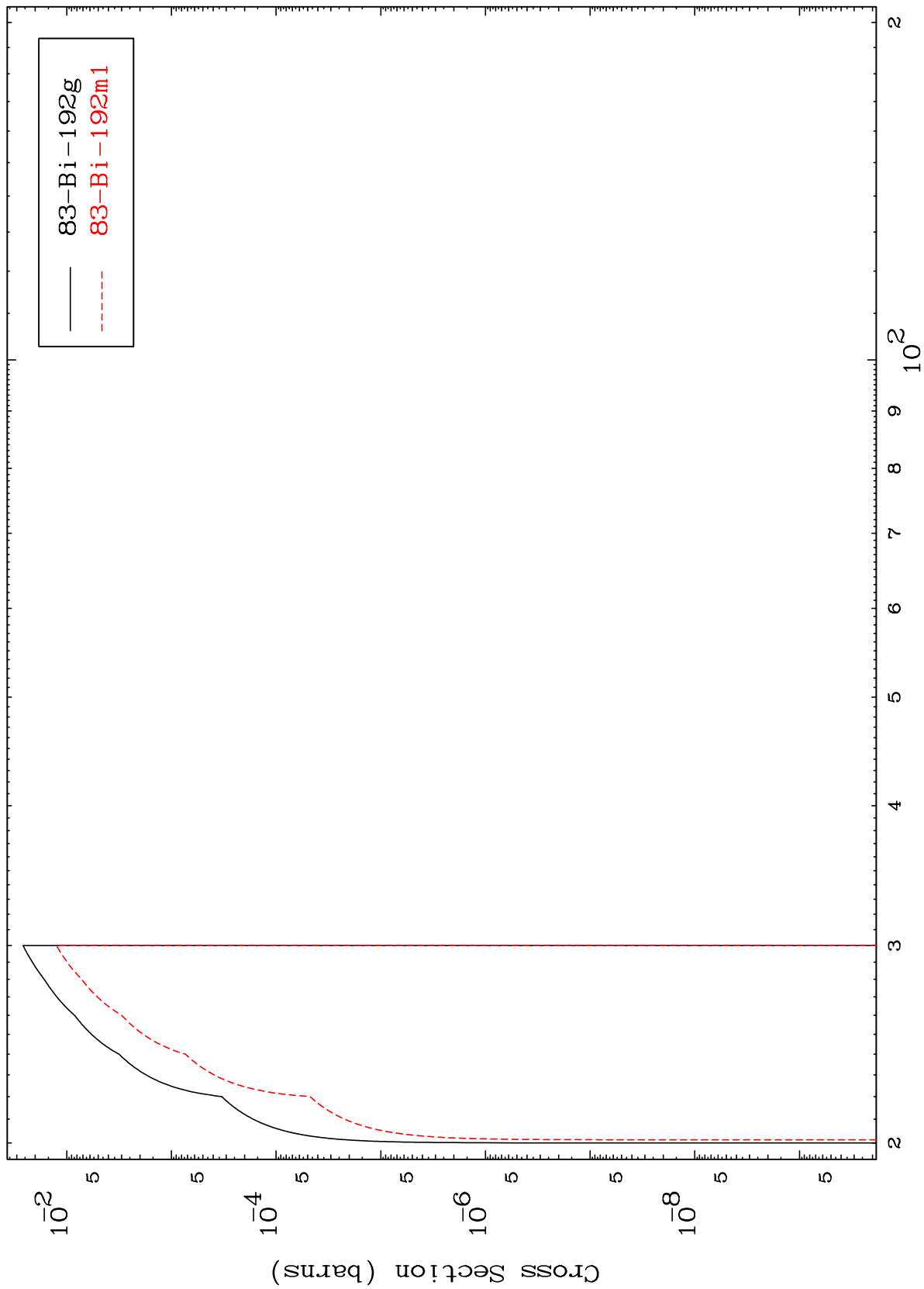
Incident Energy (MeV)

82-Pb-193

MAT 8192

82-Pb-193

(n,3n)  
Radionuclide Production Cross Section



82-Pb-193

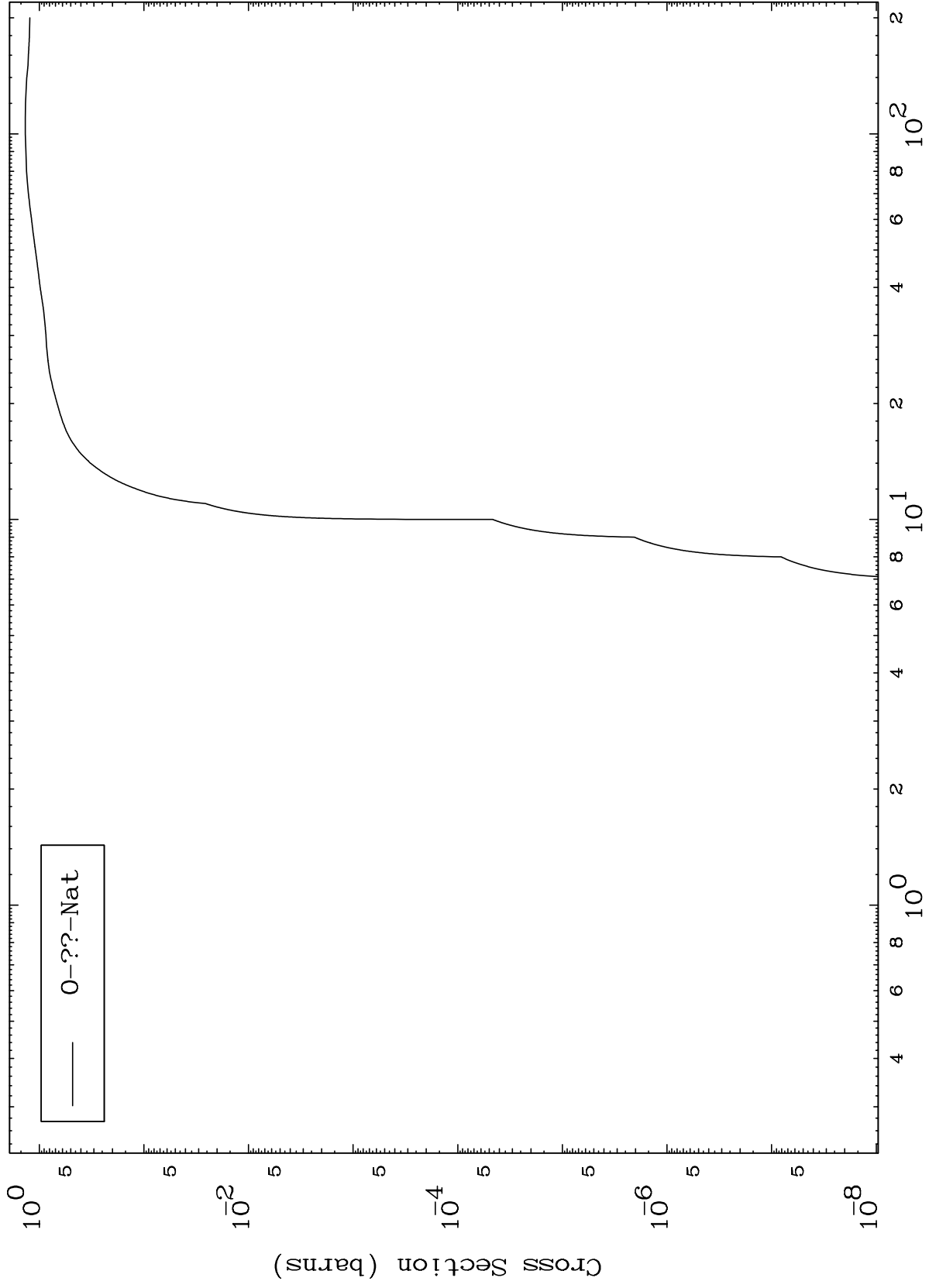
Incident Energy (MeV)

16

MAT 8192

82-Pb-193

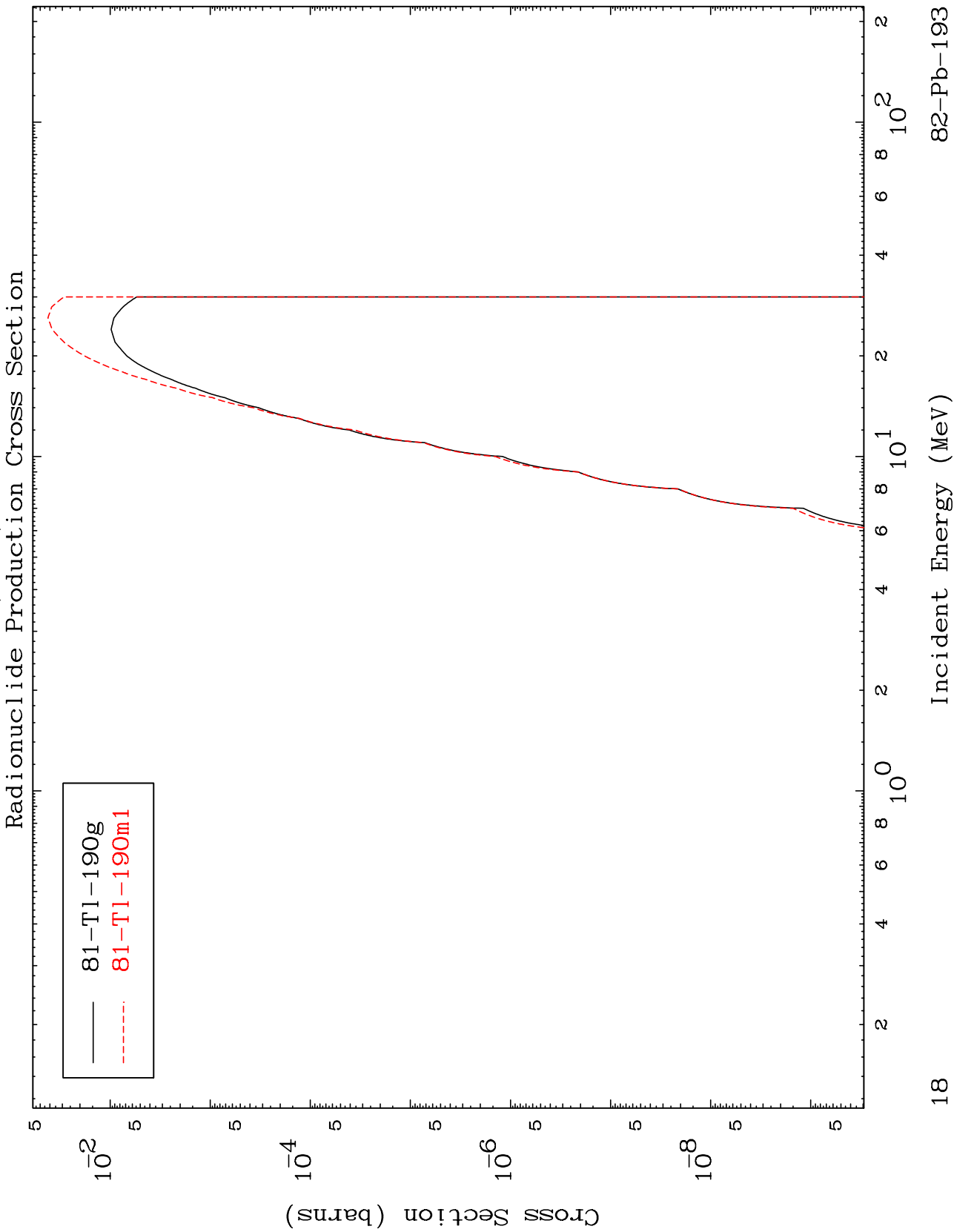
Fission  
Radionuclide Production Cross Section



MAT 8192

$(n, n') \alpha$

82-Pb-193



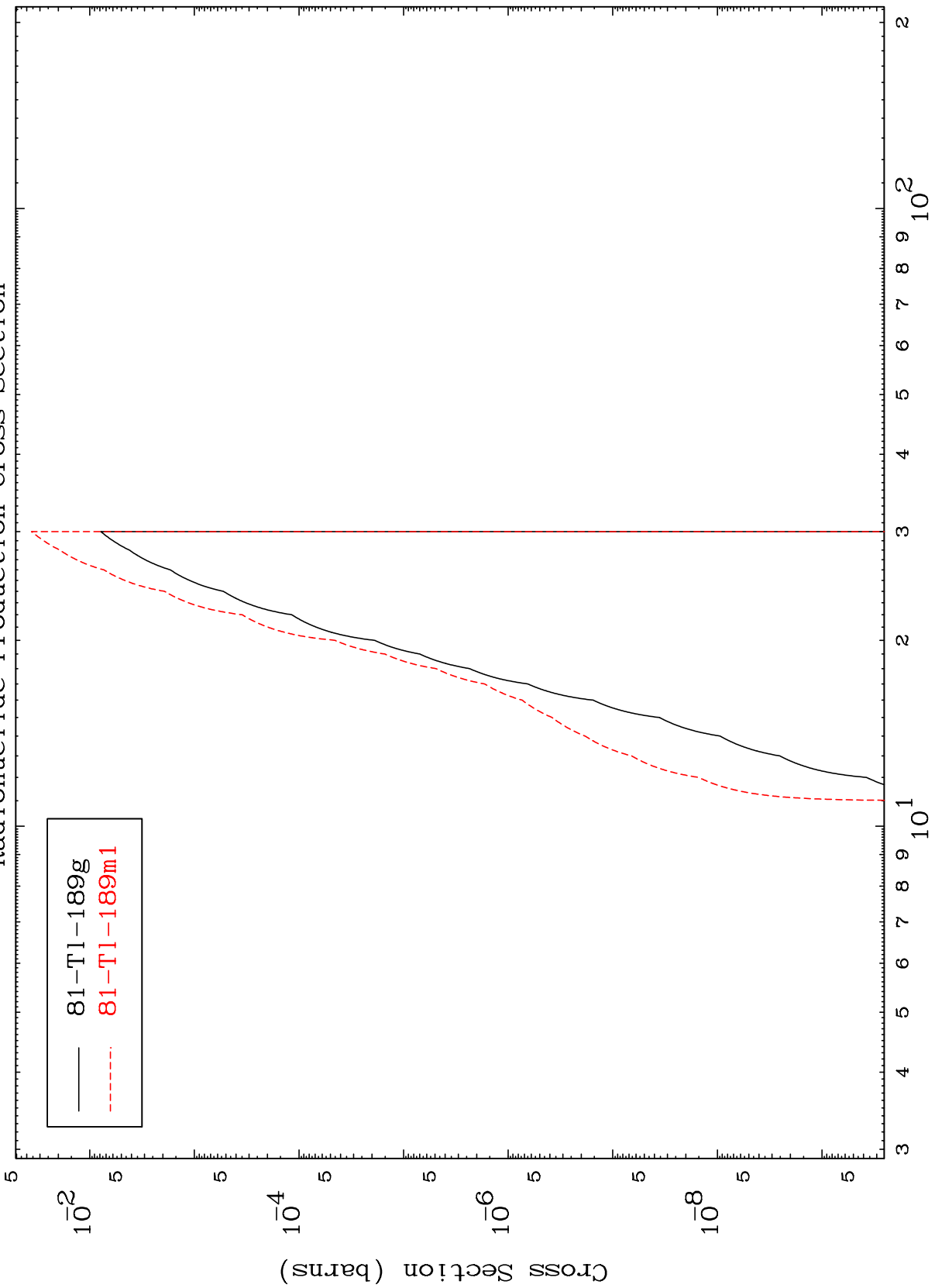
81-Tl-190g  
81-Tl-190m1

MAT 8192

$(n,2n) \alpha$

82-Pb-193

Radionuclide Production Cross Section

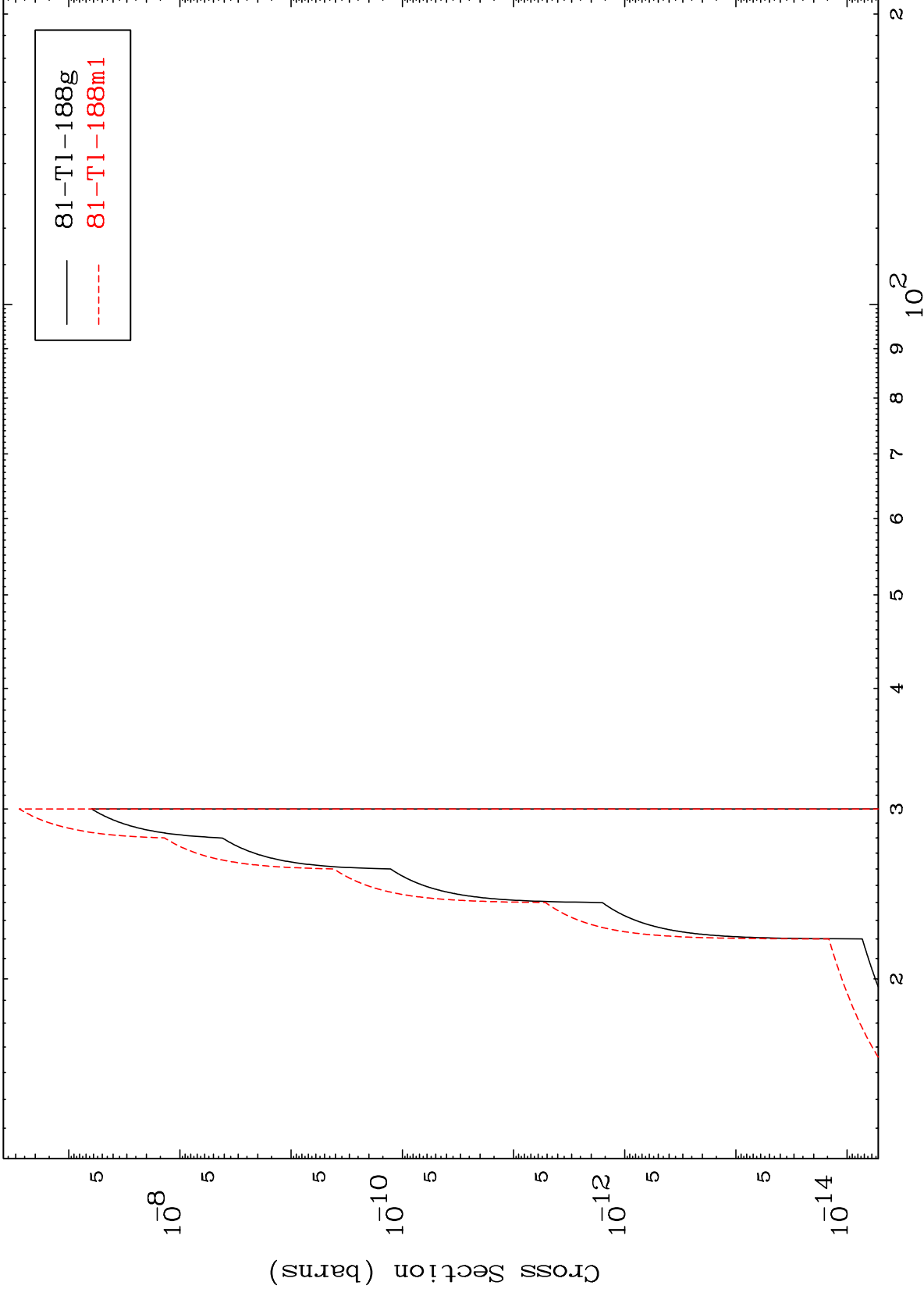


19

Incident Energy (MeV)

82-Pb-193

Radionuclide Production Cross Section

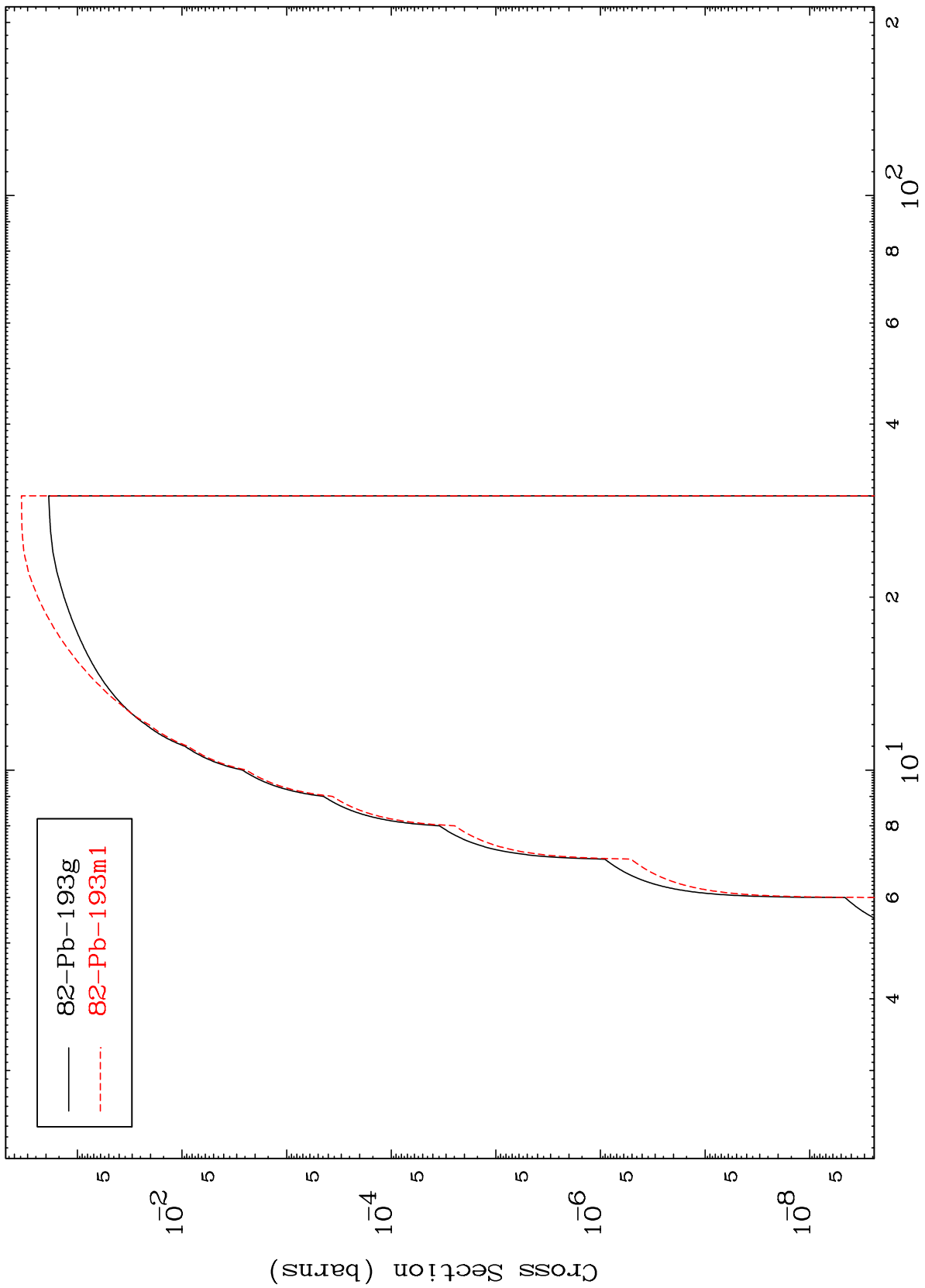


81-Tl-188g  
81-Tl-188m1

MAT 8192

82-Pb-193

(n,n') p  
Radionuclide Production Cross Section



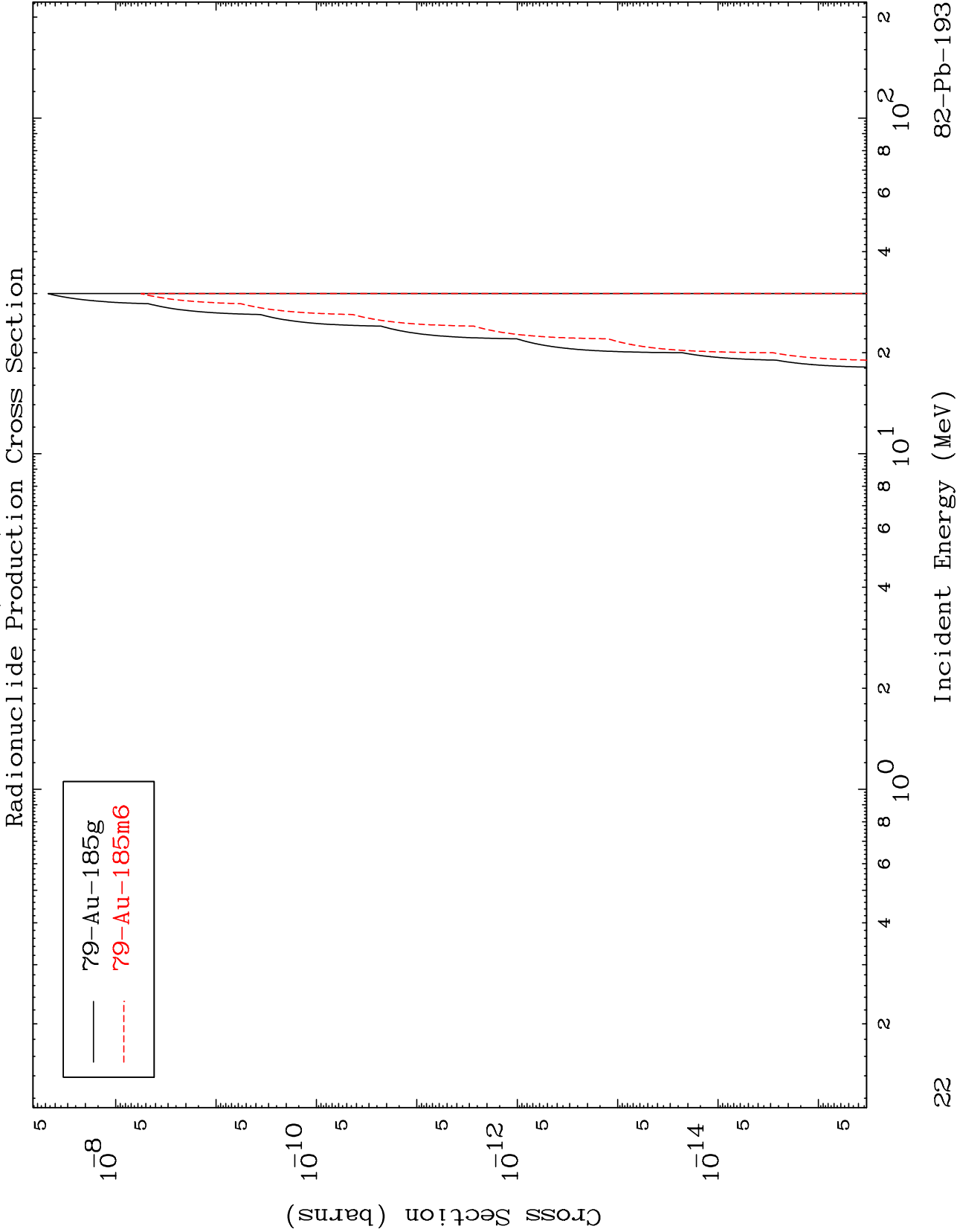
82-Pb-193

Incident Energy (MeV)

MAT 8192

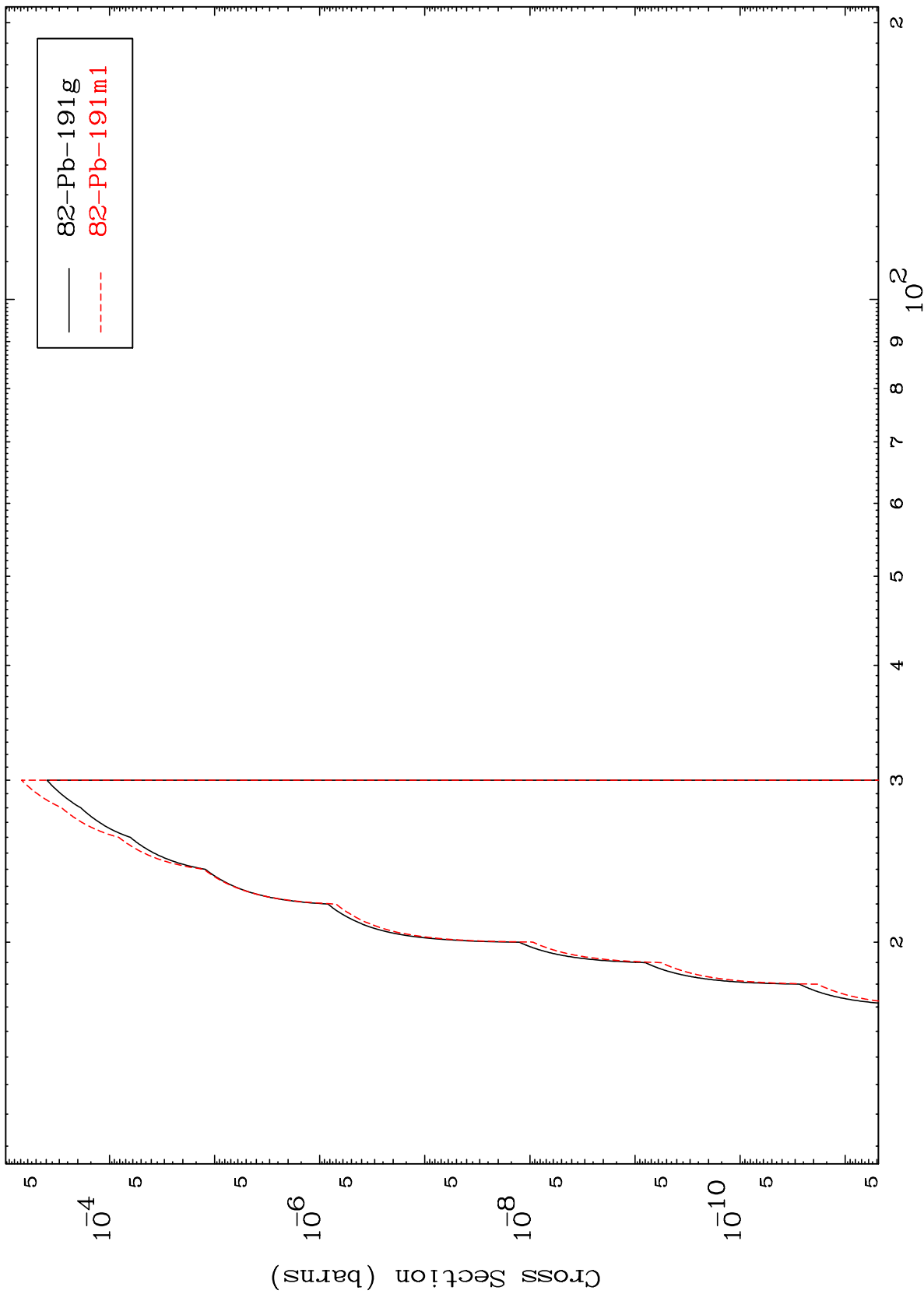
(n,2n) 2 $\alpha$

82-Pb-193



79-Au-185g  
79-Au-185m6

Radionuclide Production Cross Section

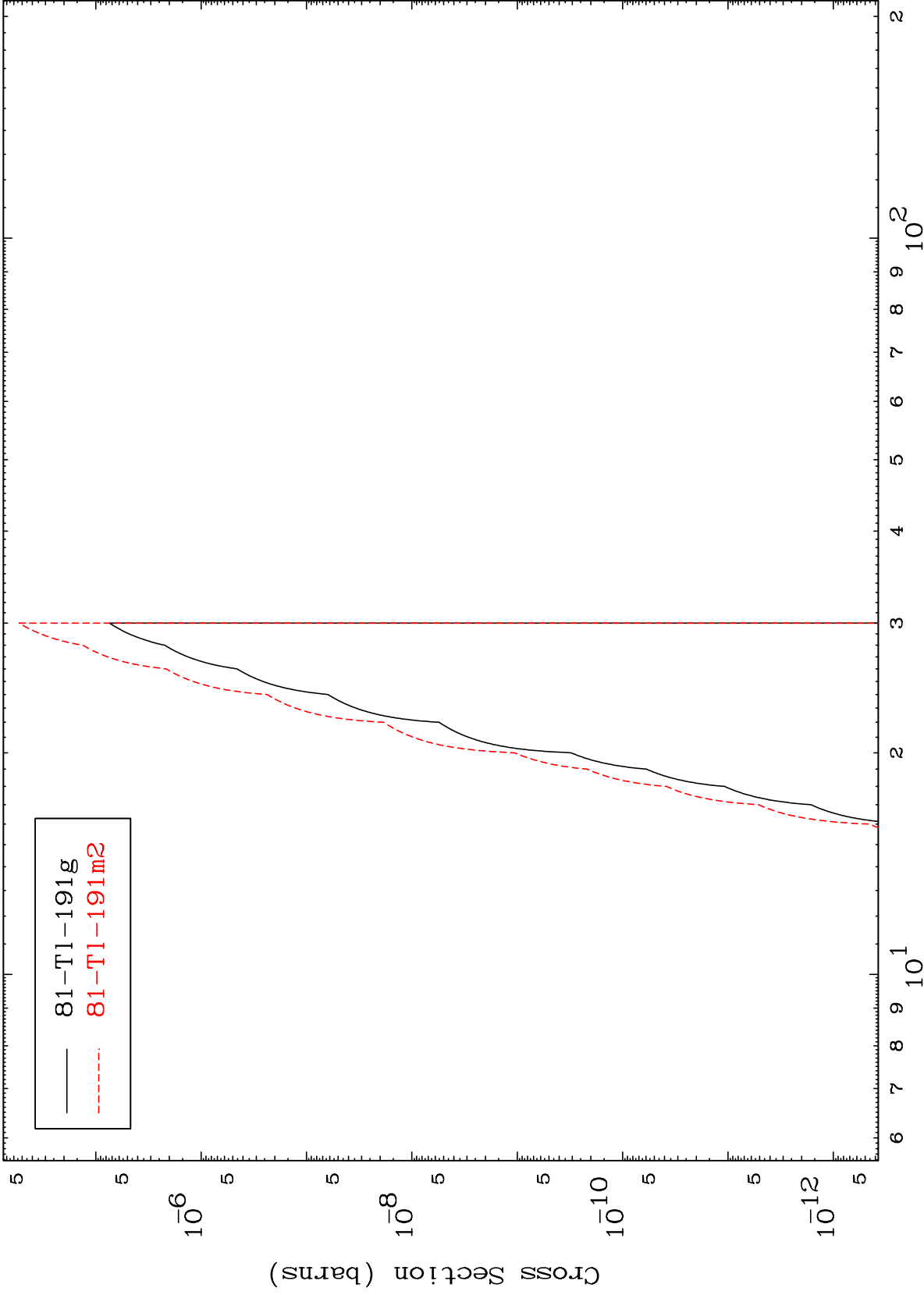


MAT 8192

(n,n') He-3

82-Pb-193

Radionuclide Production Cross Section



24

Incident Energy (MeV)

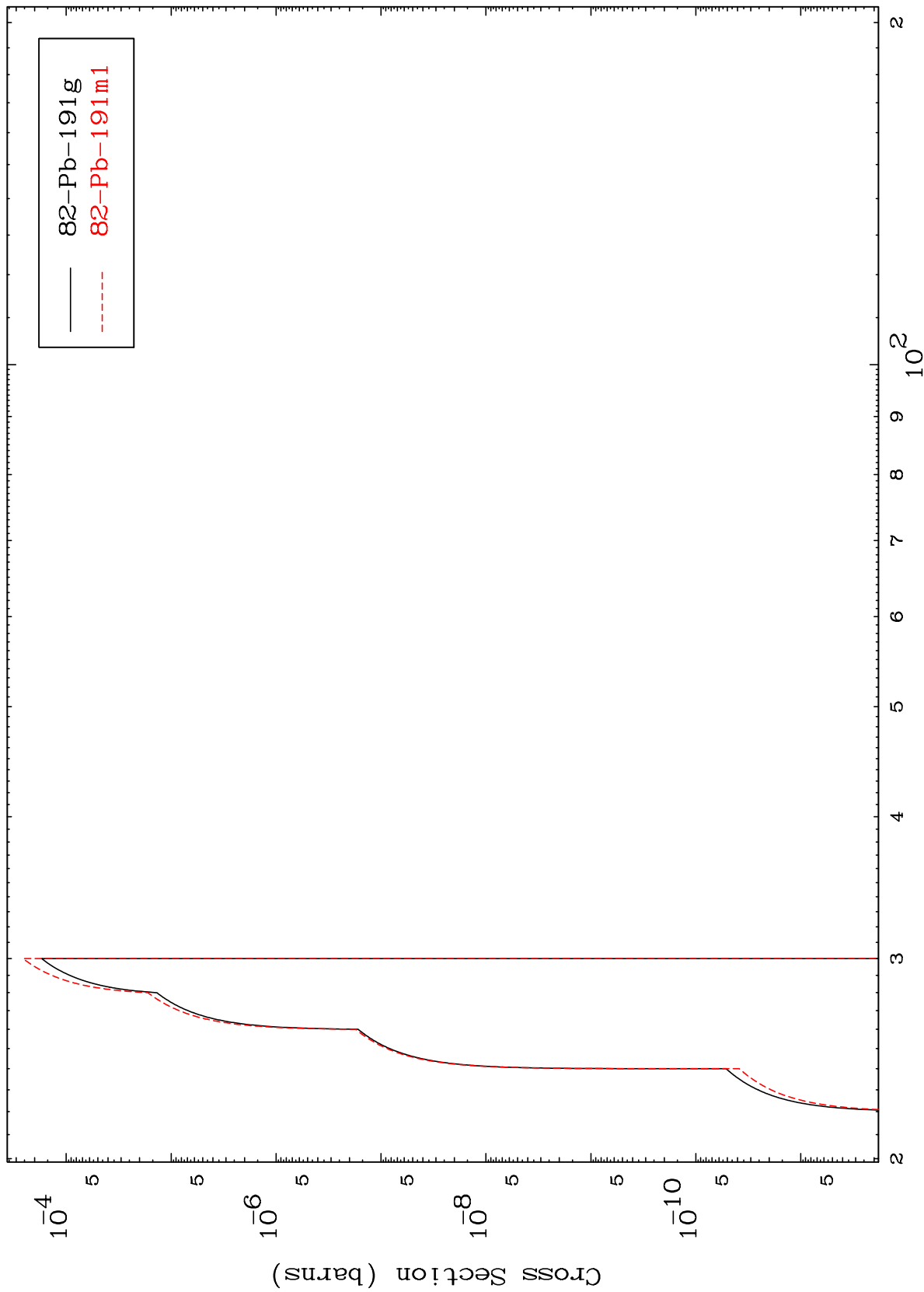
82-Pb-193

MAT 8192

82-Pb-193

(n,3n) p

Radionuclide Production Cross Section



82-Pb-193

Incident Energy (MeV)

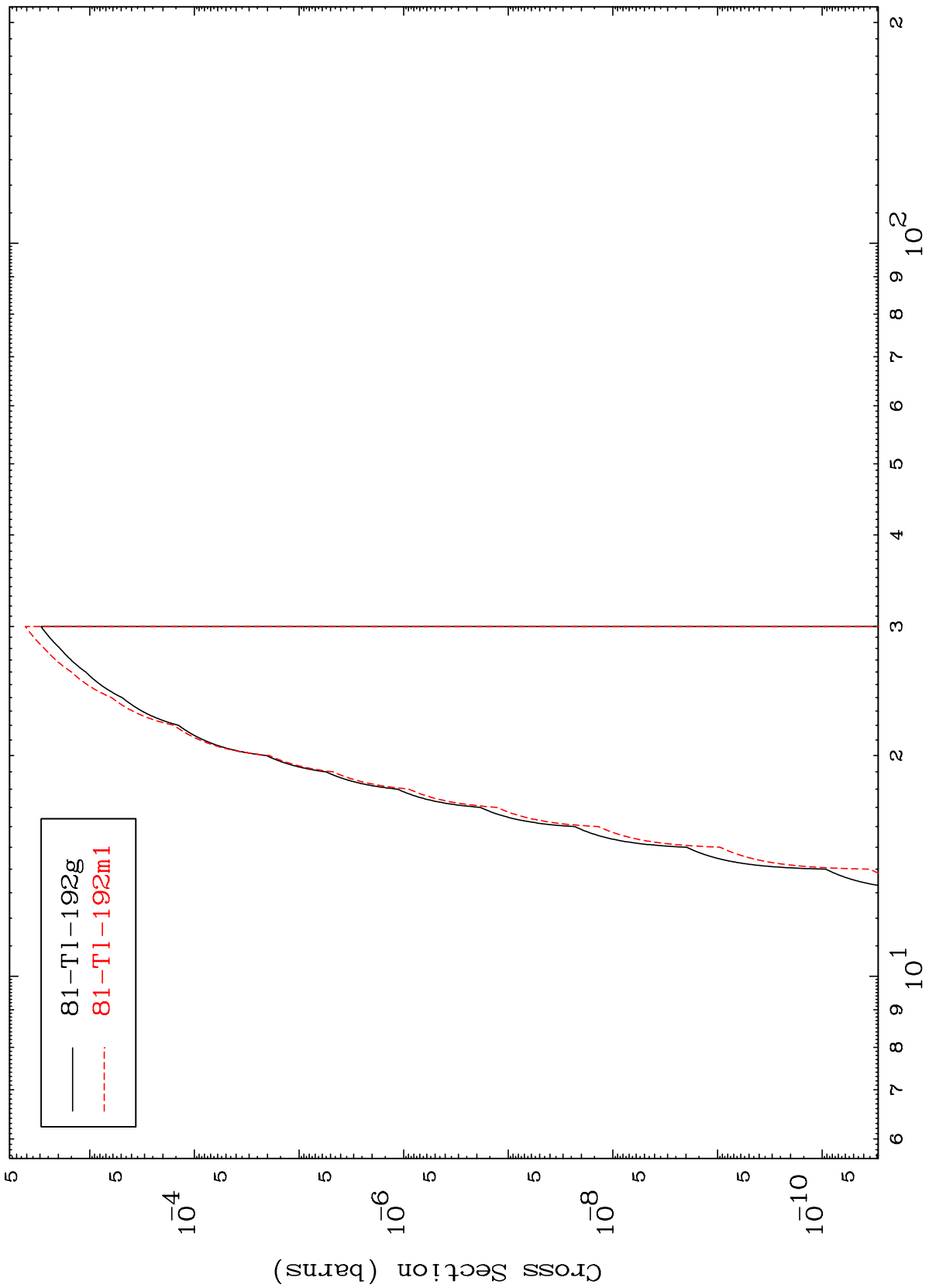
25

MAT 8192

82-Pb-193

(n,2n) p

Radionuclide Production Cross Section



26

Incident Energy (MeV)

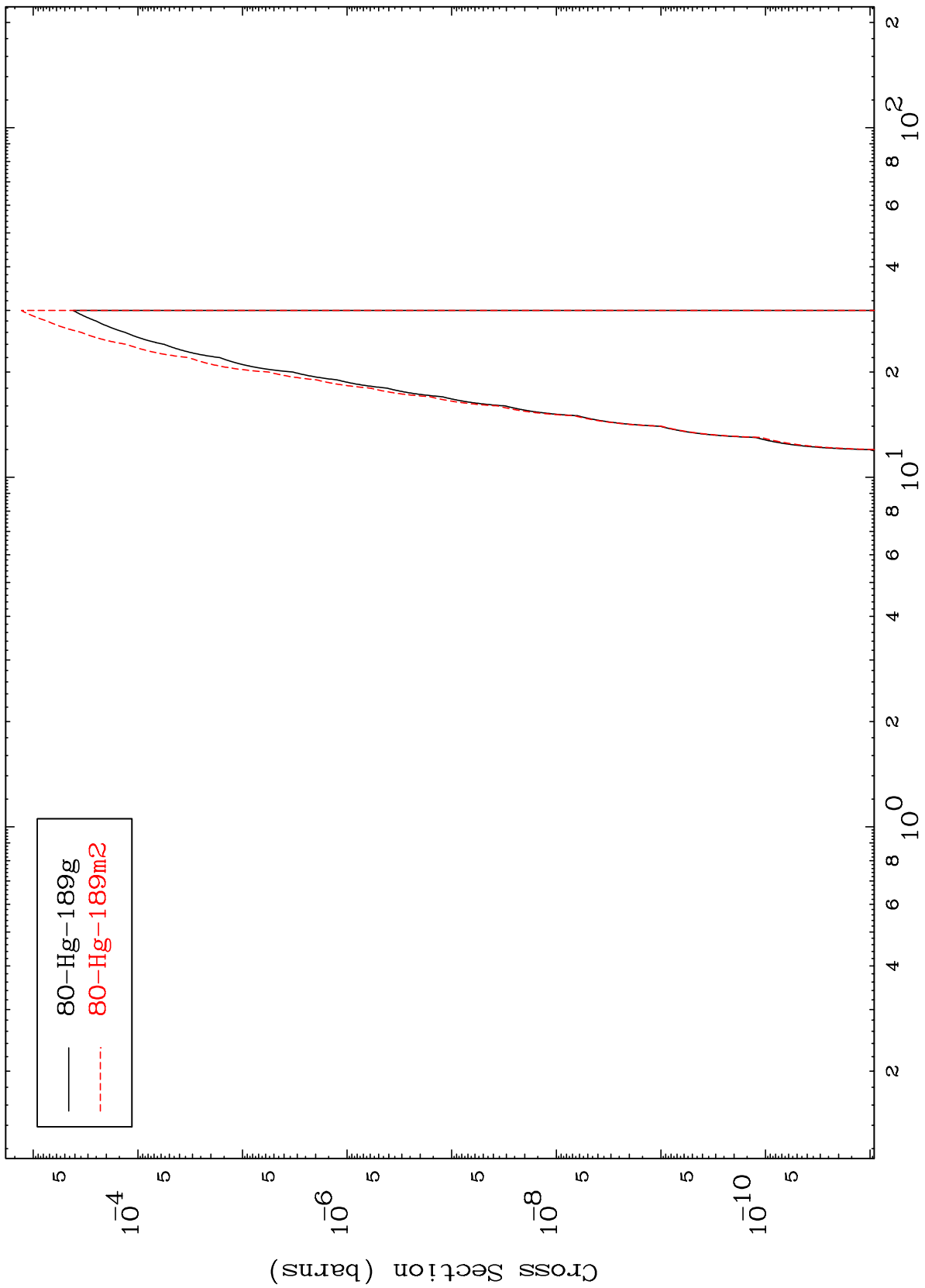
82-Pb-193

MAT 8192

(n,n') p  $\alpha$

82-Pb-193

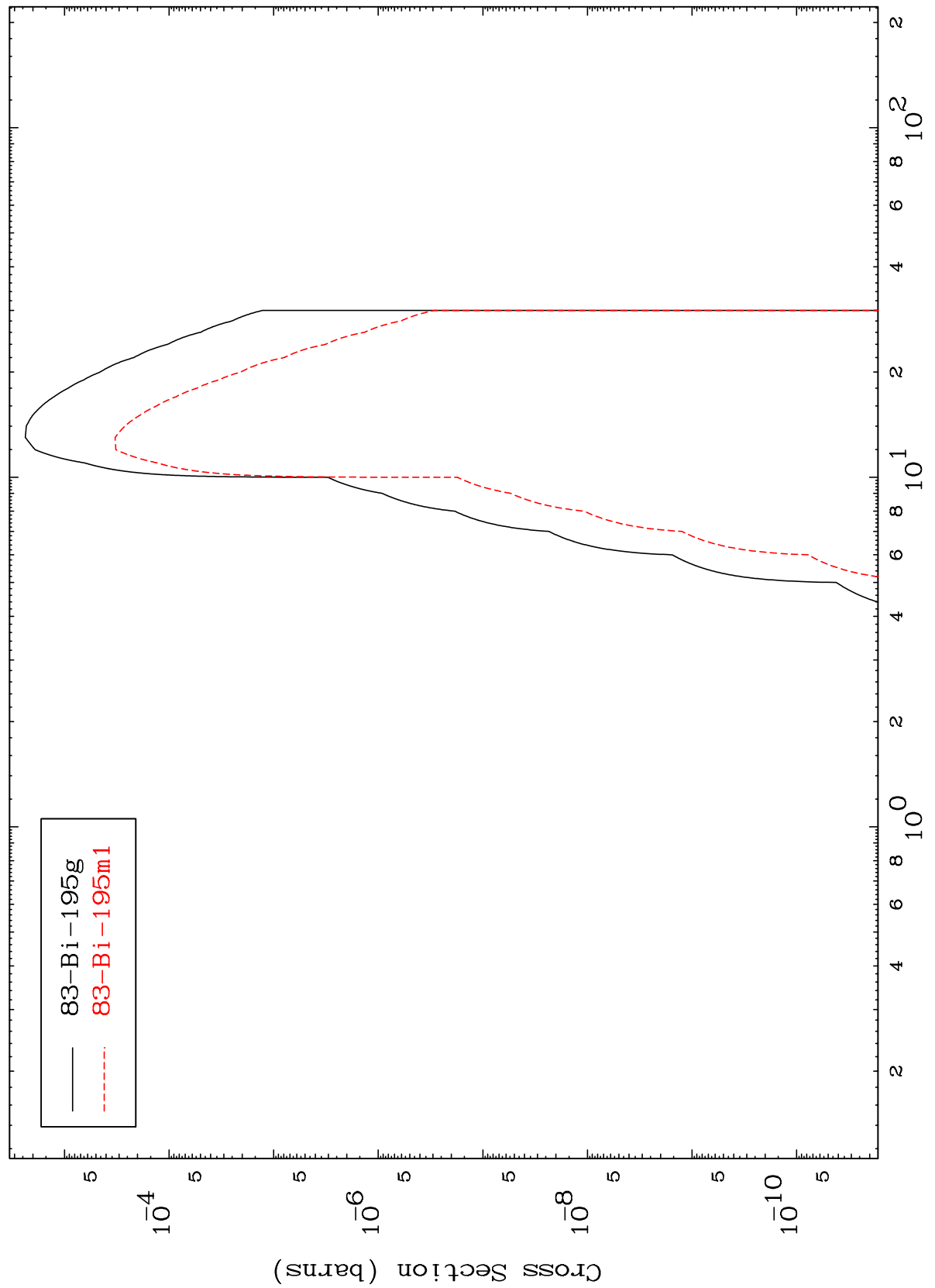
Radionuclide Production Cross Section



MAT 8192

82-Pb-193

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



28

82-Pb-193

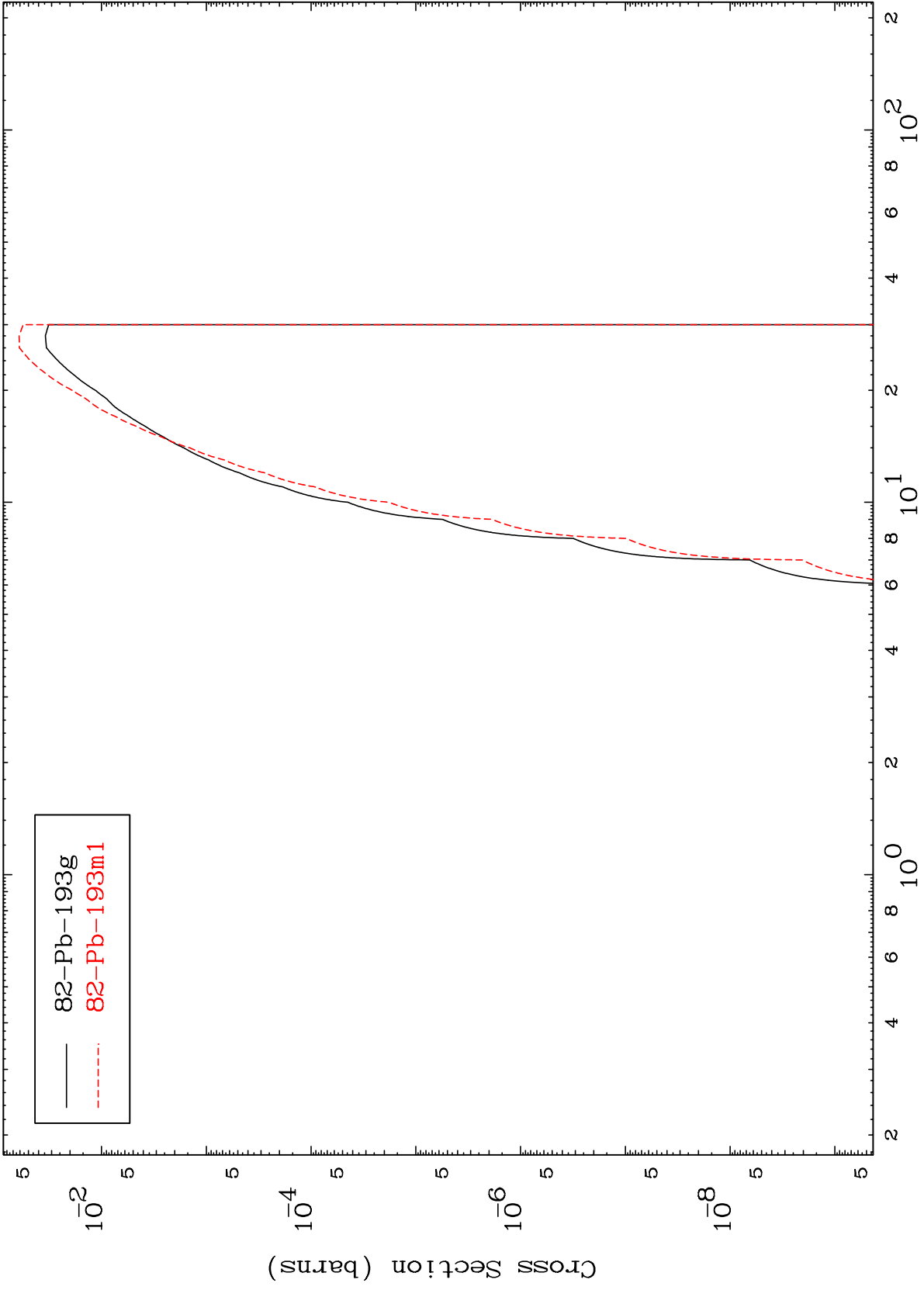
Incident Energy (MeV)

MAT 8192

(n,d)

82-Pb-193

Radionuclide Production Cross Section



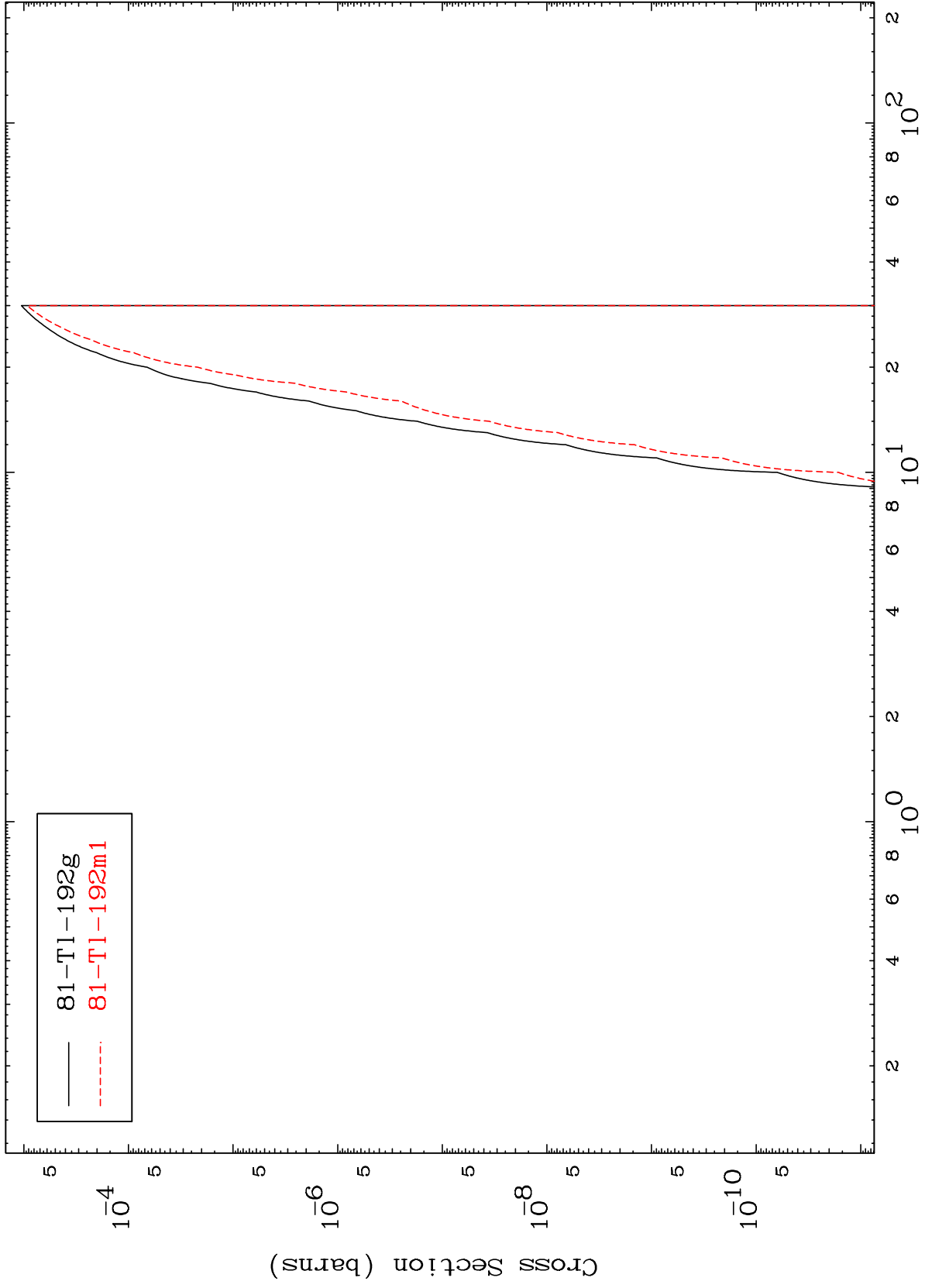
82-Pb-193g  
82-Pb-193m1

MAT 8192

(n,He-3)

82-Pb-193

Radionuclide Production Cross Section



30

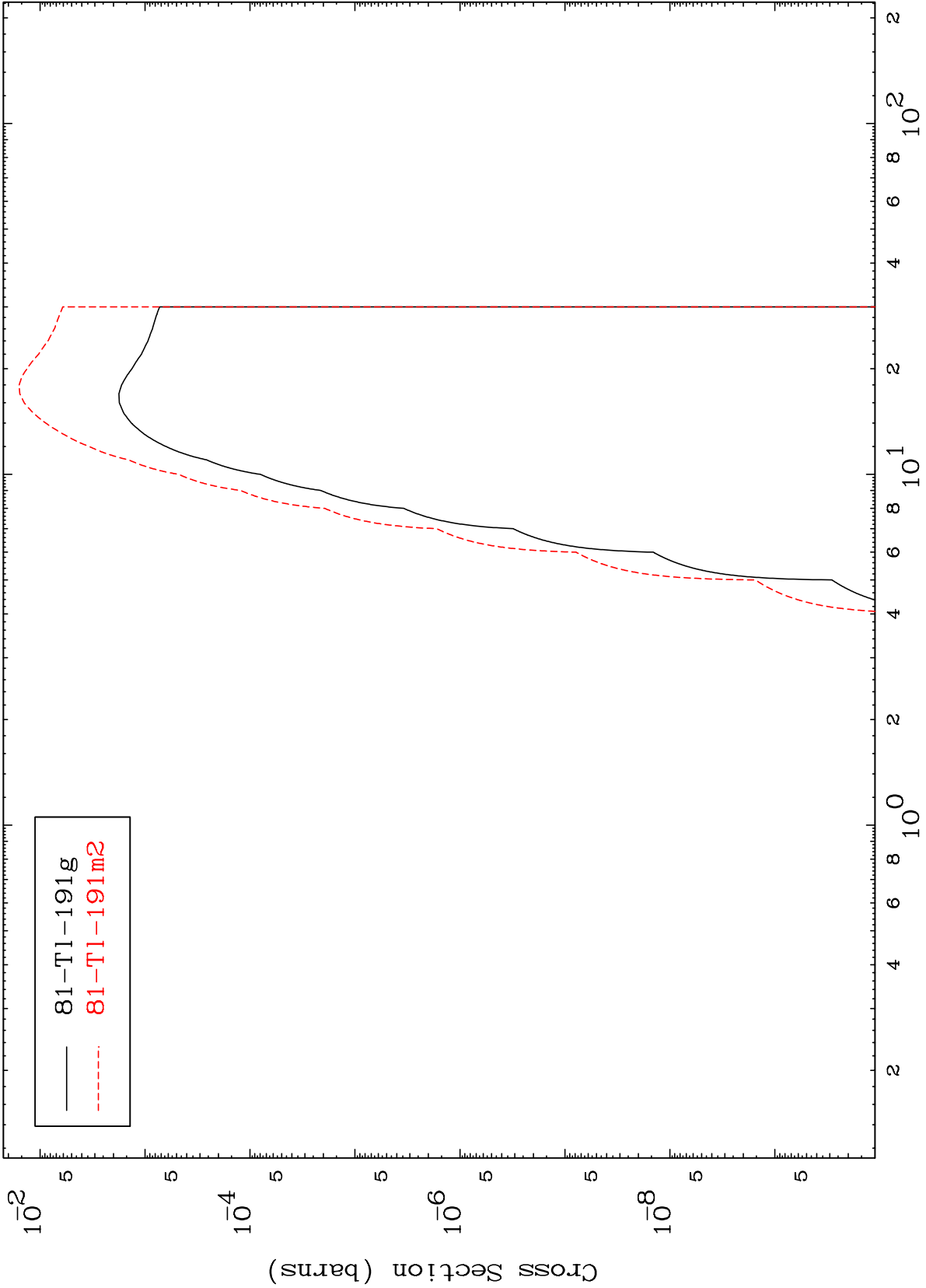
Incident Energy (MeV)

82-Pb-193

MAT 8192

82-Pb-193

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



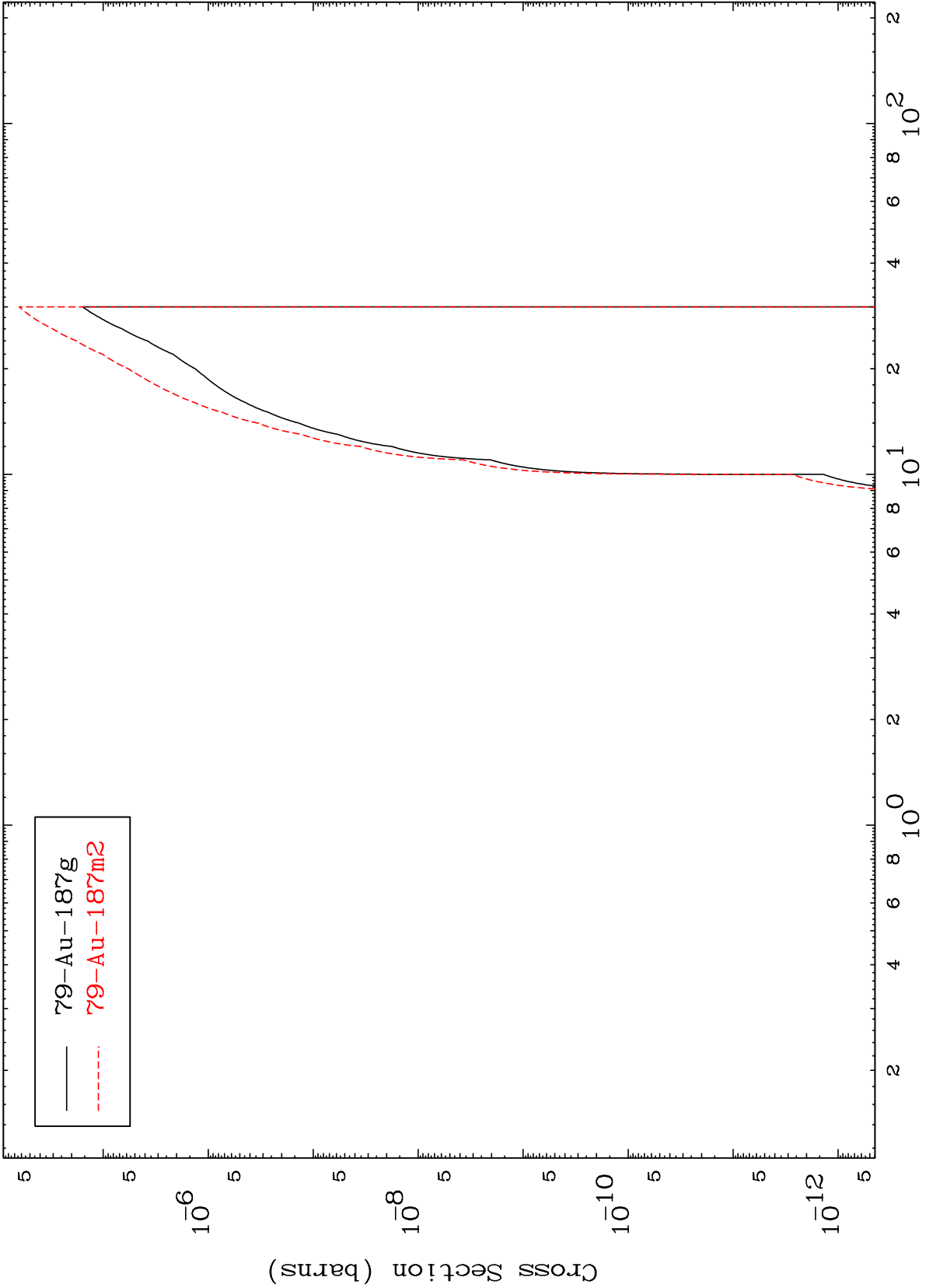
— 81-Tl-191g  
- - - 81-Tl-191m2

MAT 8192

(n,2α)

82-Pb-193

Radionuclide Production Cross Section



—  $^{79}\text{Au-187g}$   
- - -  $^{79}\text{Au-187m2}$

32

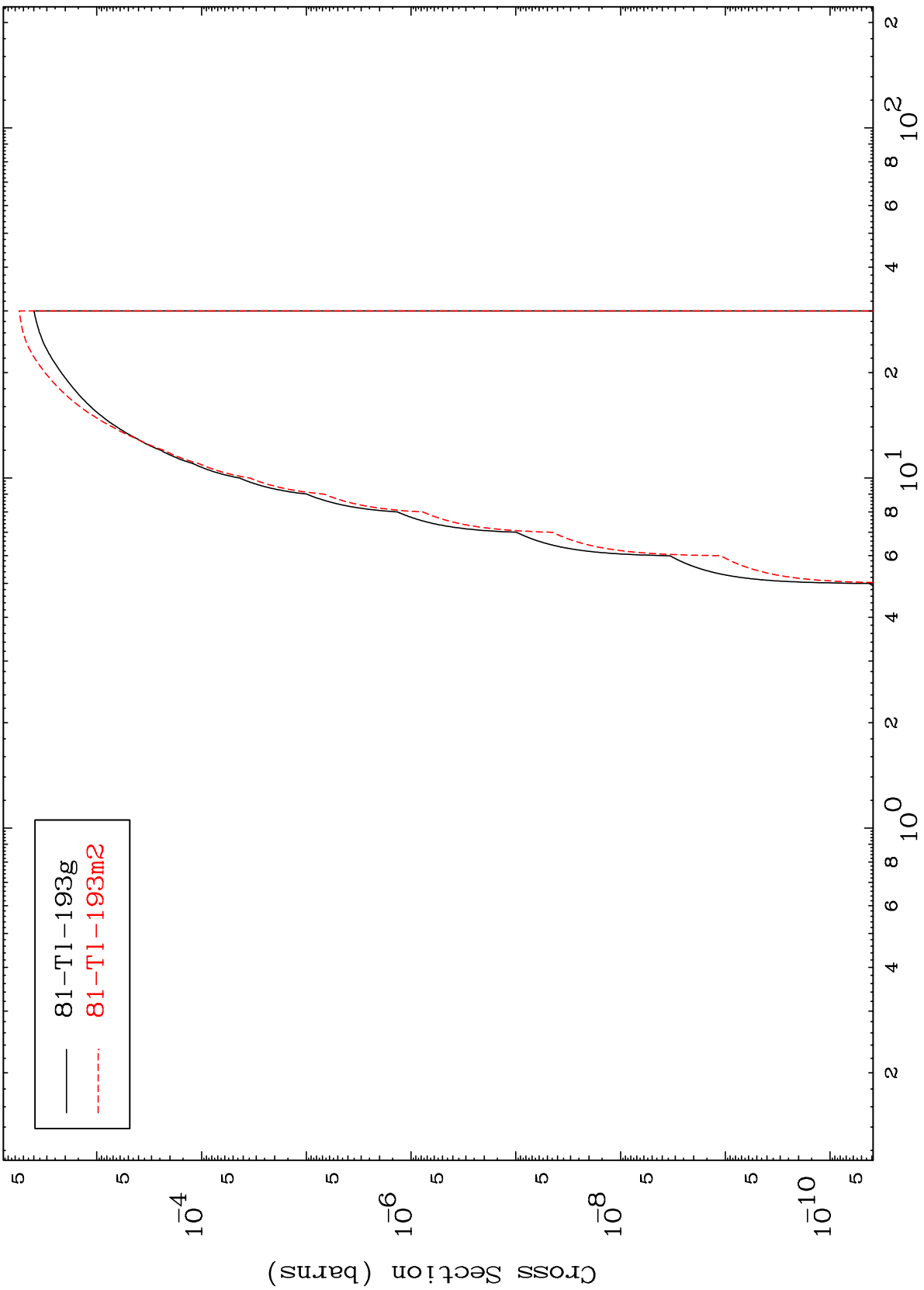
Incident Energy (MeV)

82-Pb-193

MAT 8192

82-Pb-193

(n,2p)  
Radionuclide Production Cross Section



82-Pb-193

Incident Energy (MeV)

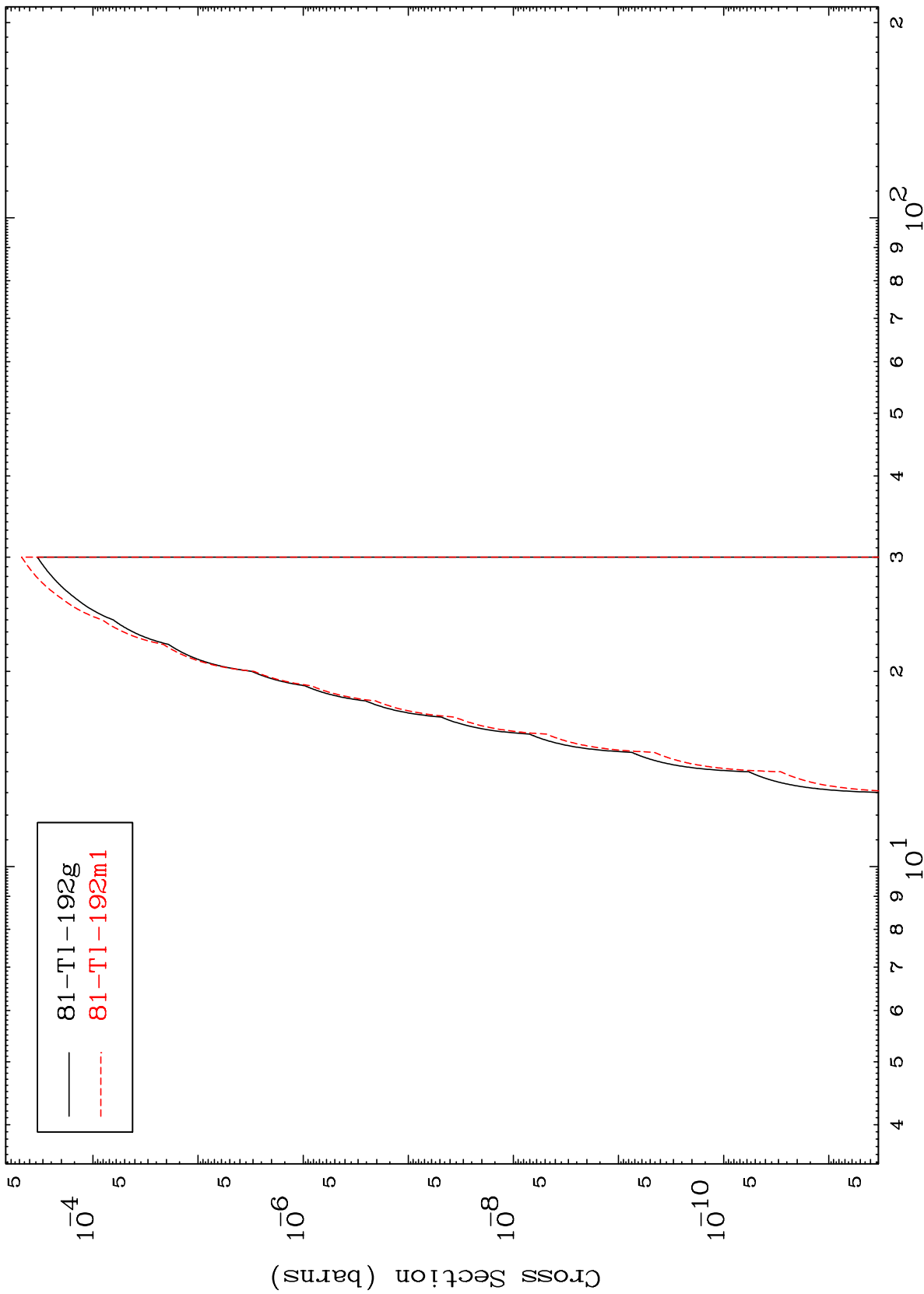
33

MAT 8192

(n,p) d

82-Pb-193

Radionuclide Production Cross Section



34

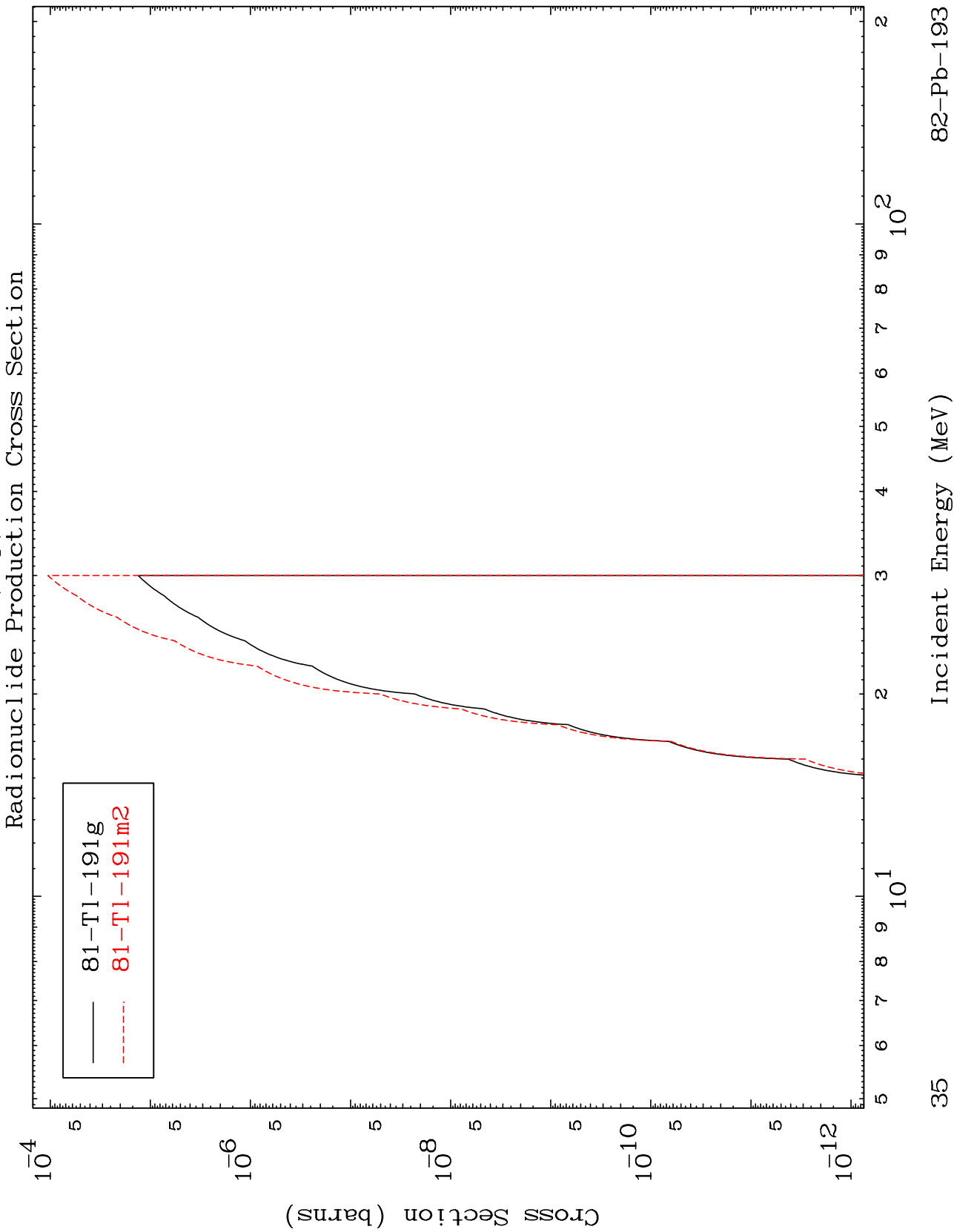
Incident Energy (MeV)

82-Pb-193

MAT 8192

(n,p) t

82-Pb-193

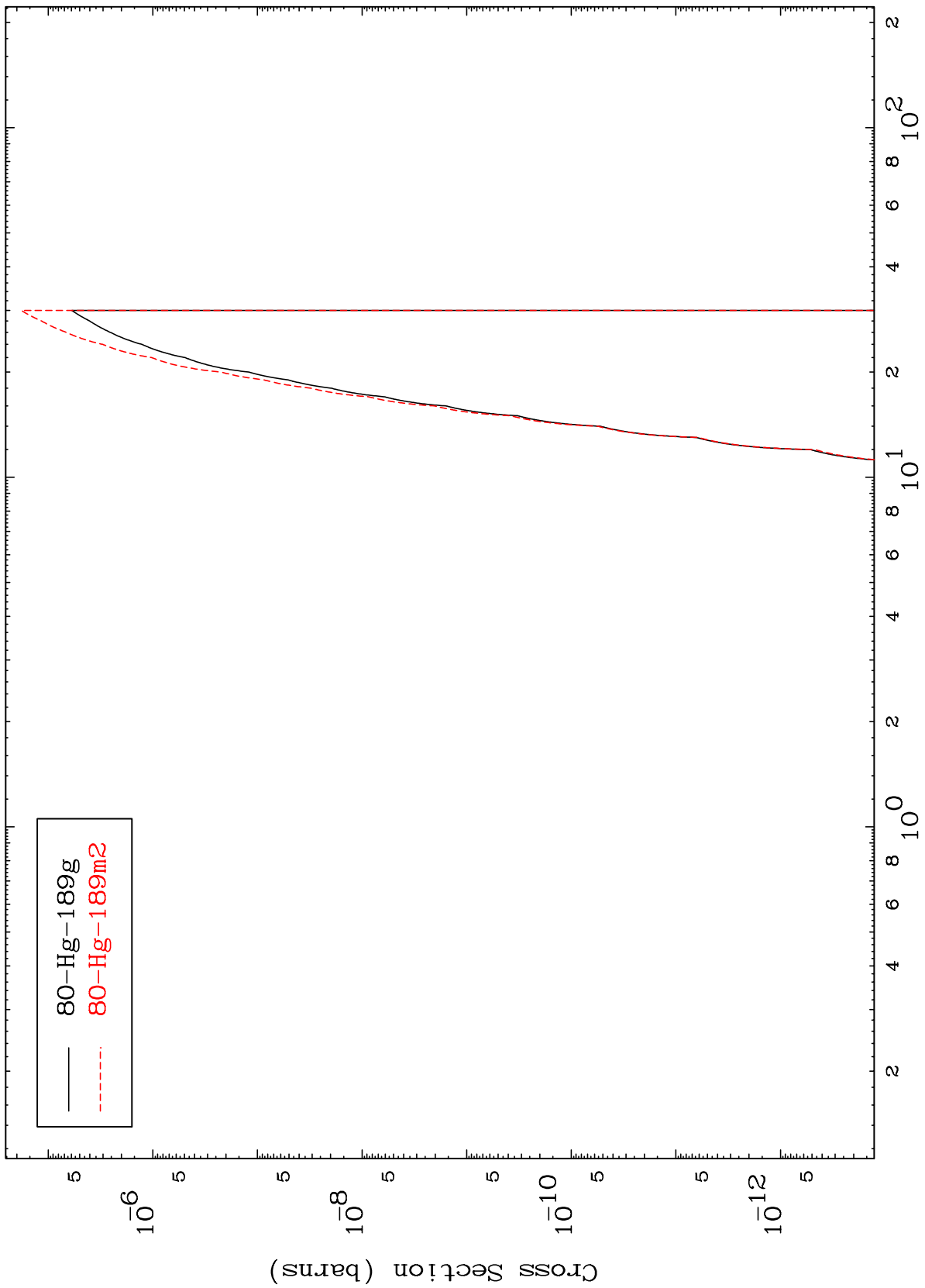


MAT 8192

(n,d)  $\alpha$

82-Pb-193

Radionuclide Production Cross Section



36

Incident Energy (MeV)

82-Pb-193