

Program EVALPLOT  
(Version 2018-1)

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

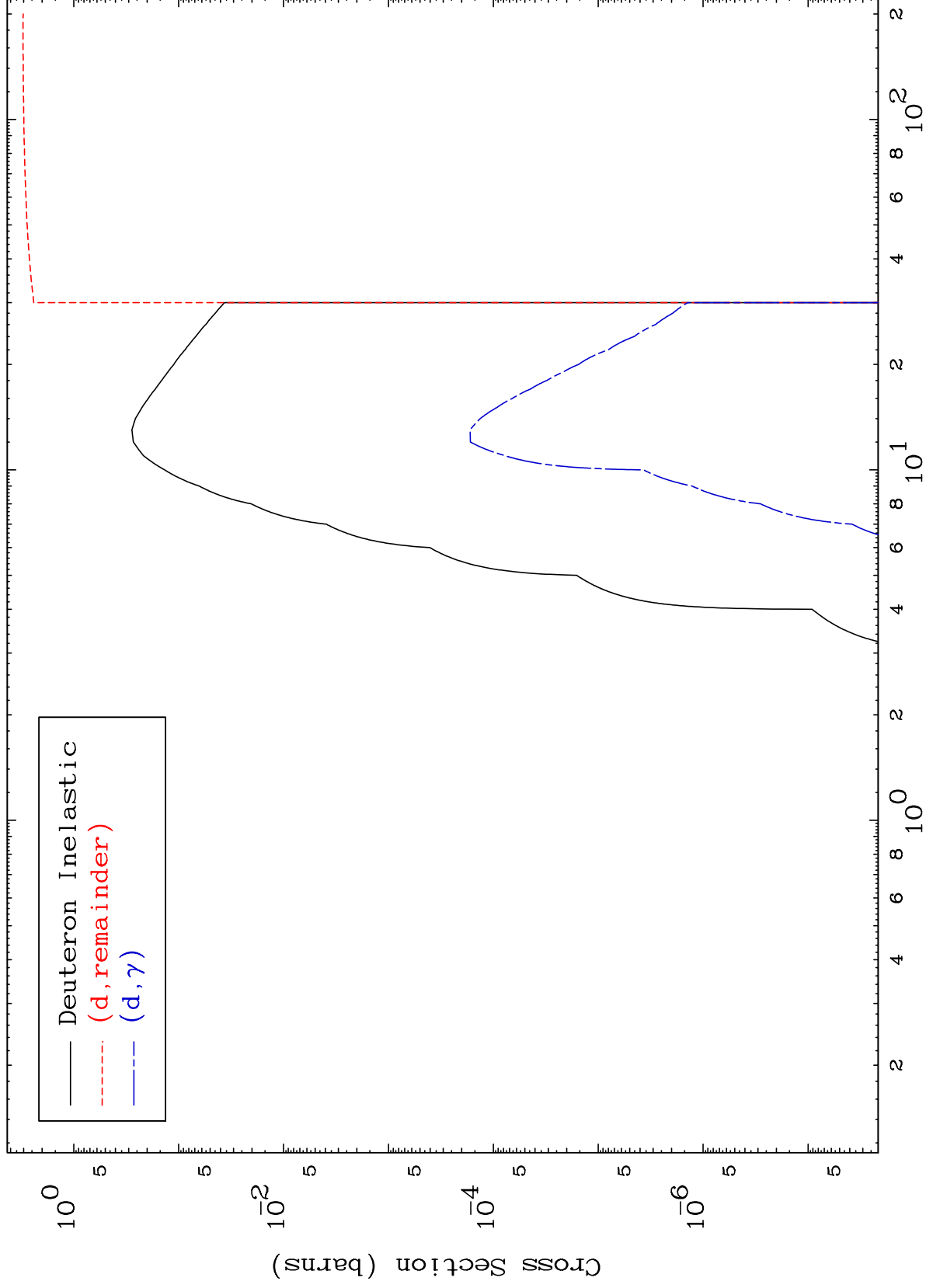
Press Mouse Button to Start

MAT 7902

Deuteron Major

79-Au-189

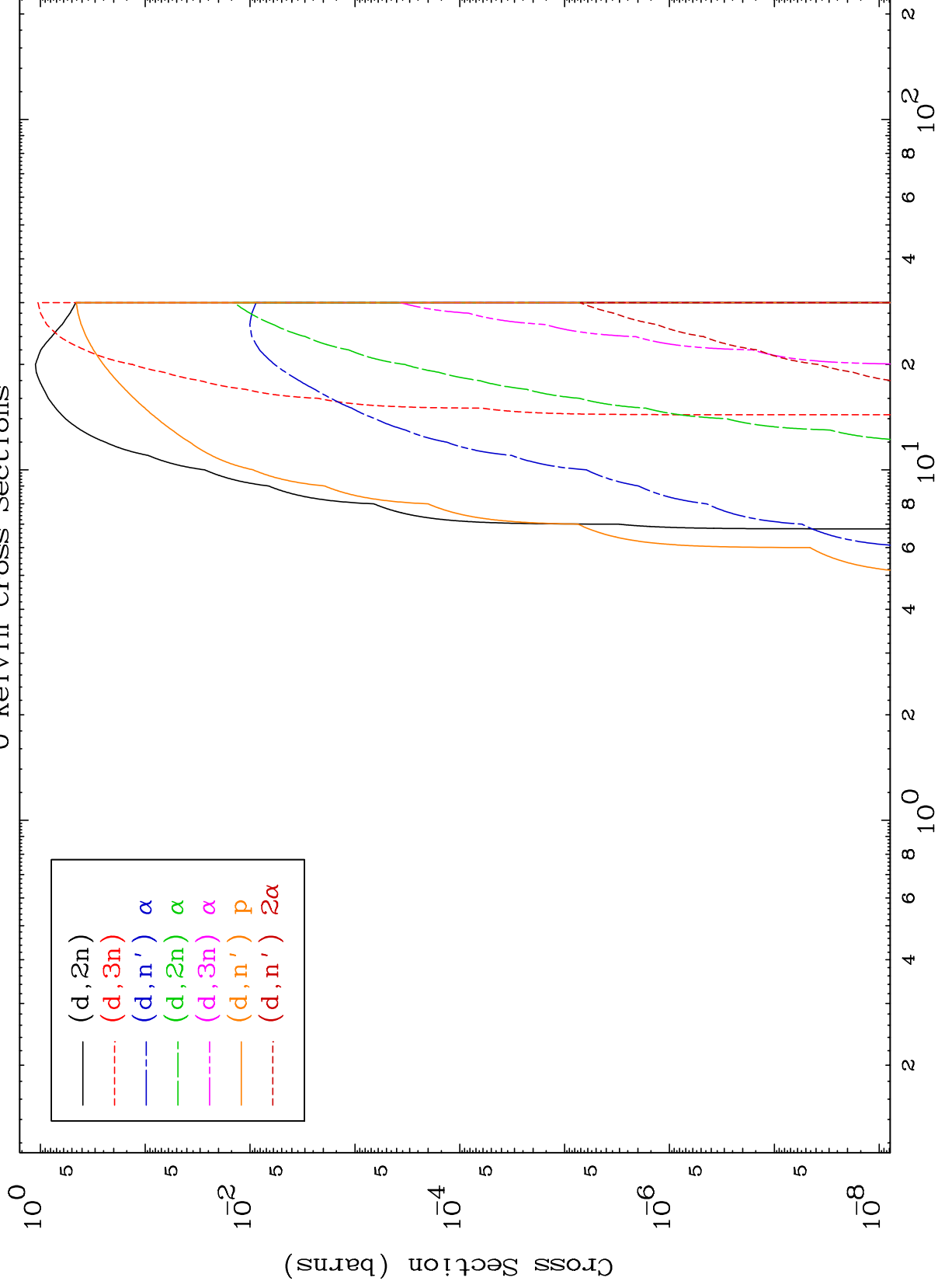
0 Kelvin Cross Sections

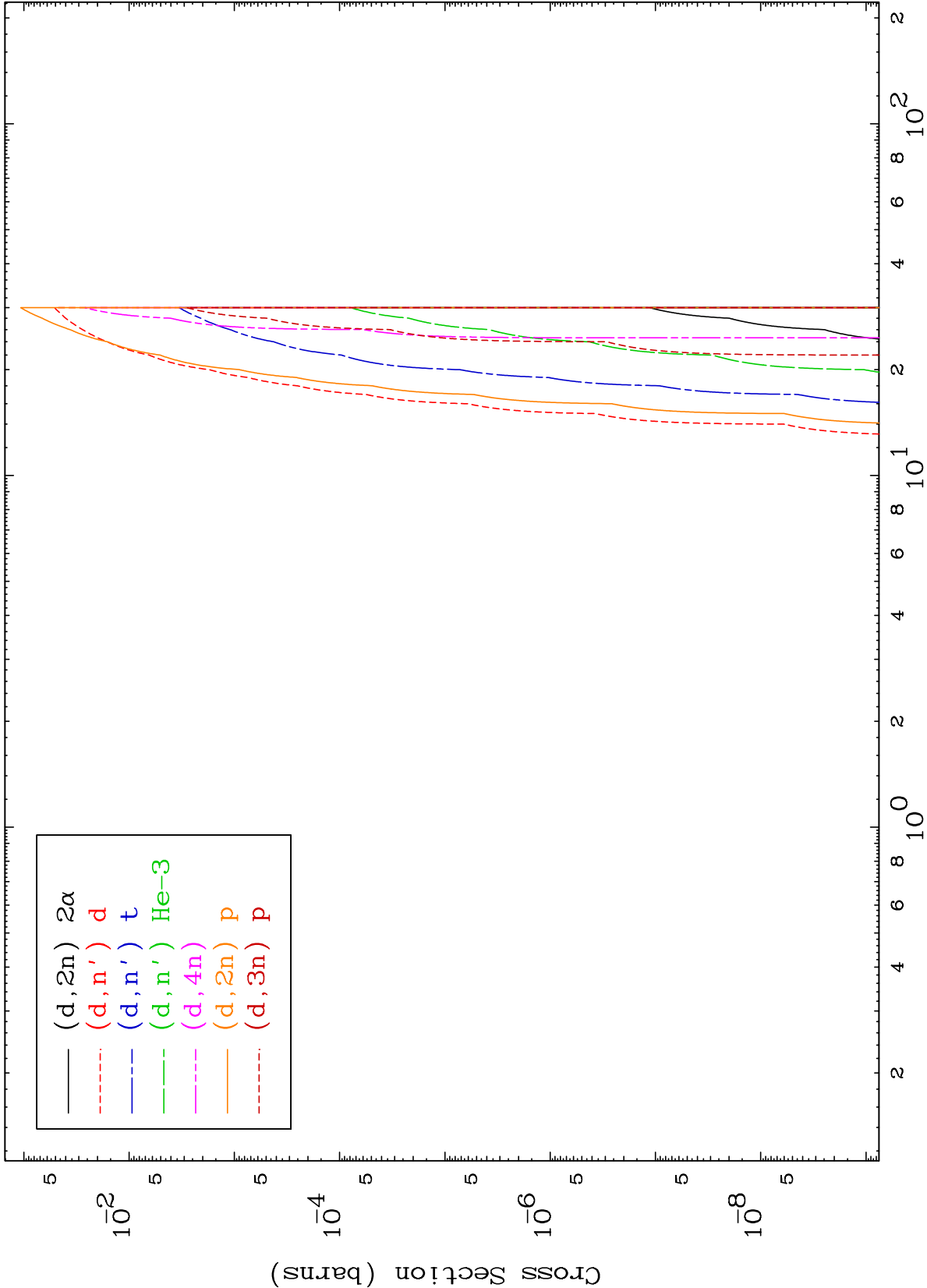


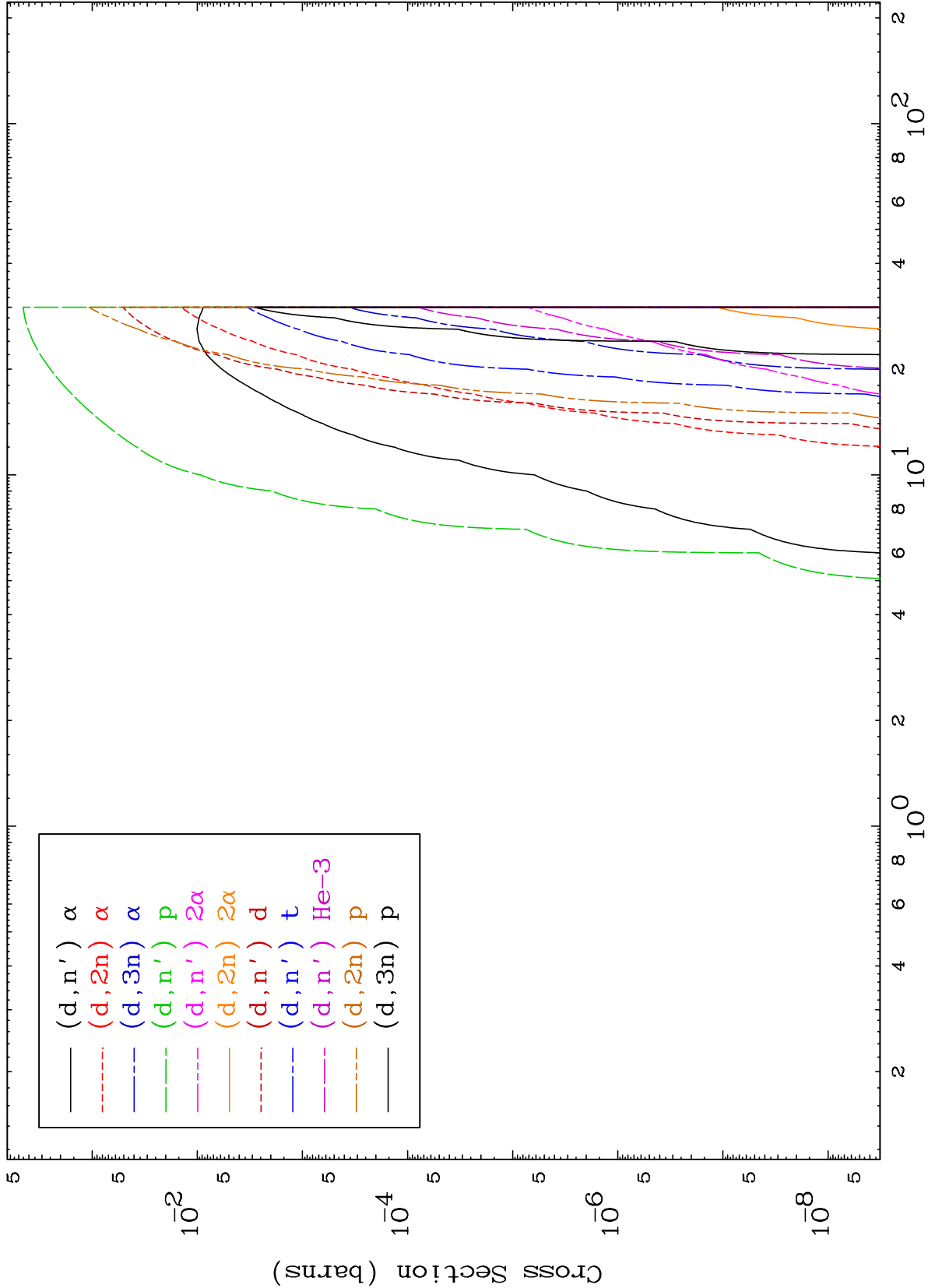
1

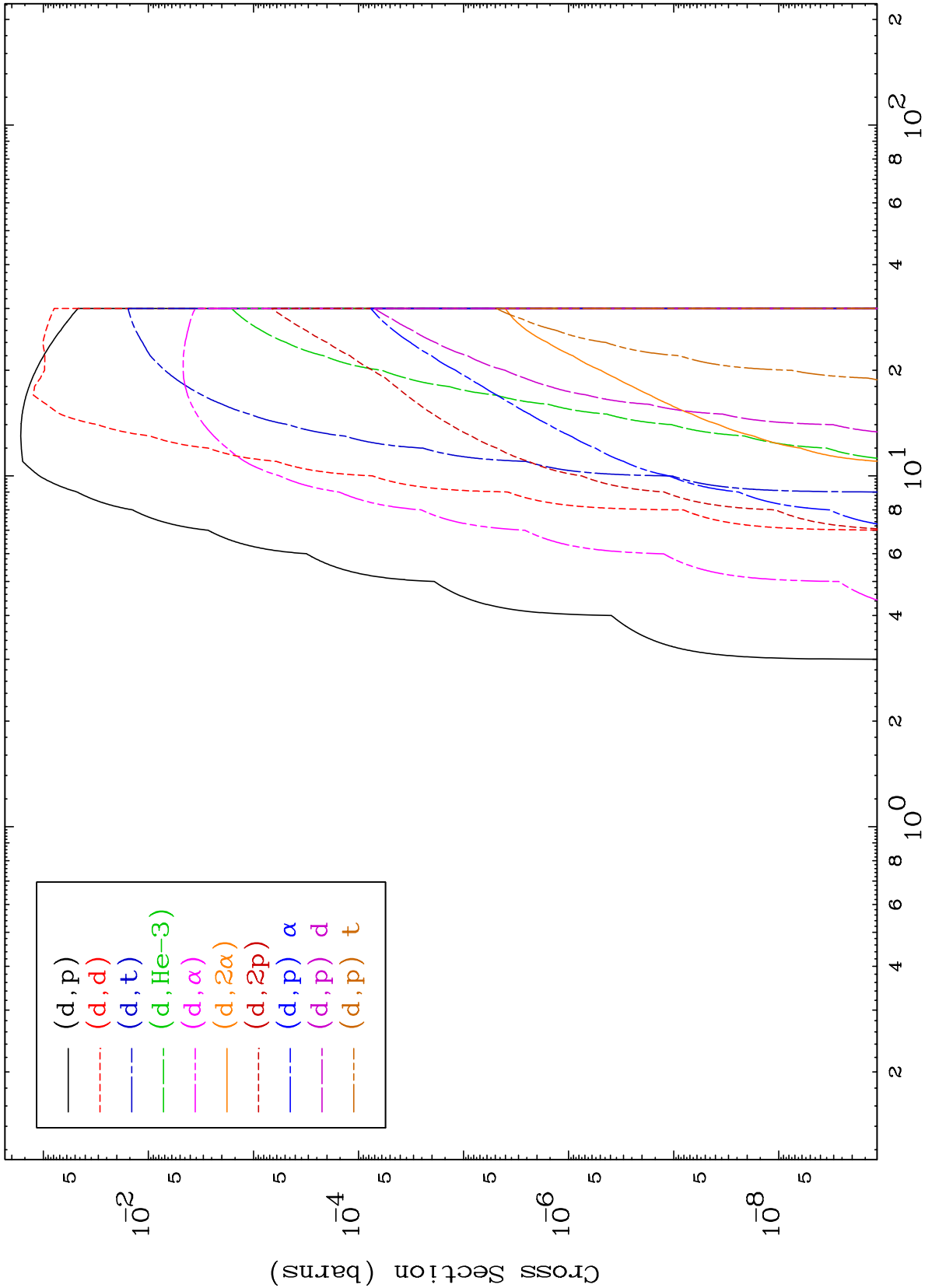
Incident Energy (MeV)

79-Au-189





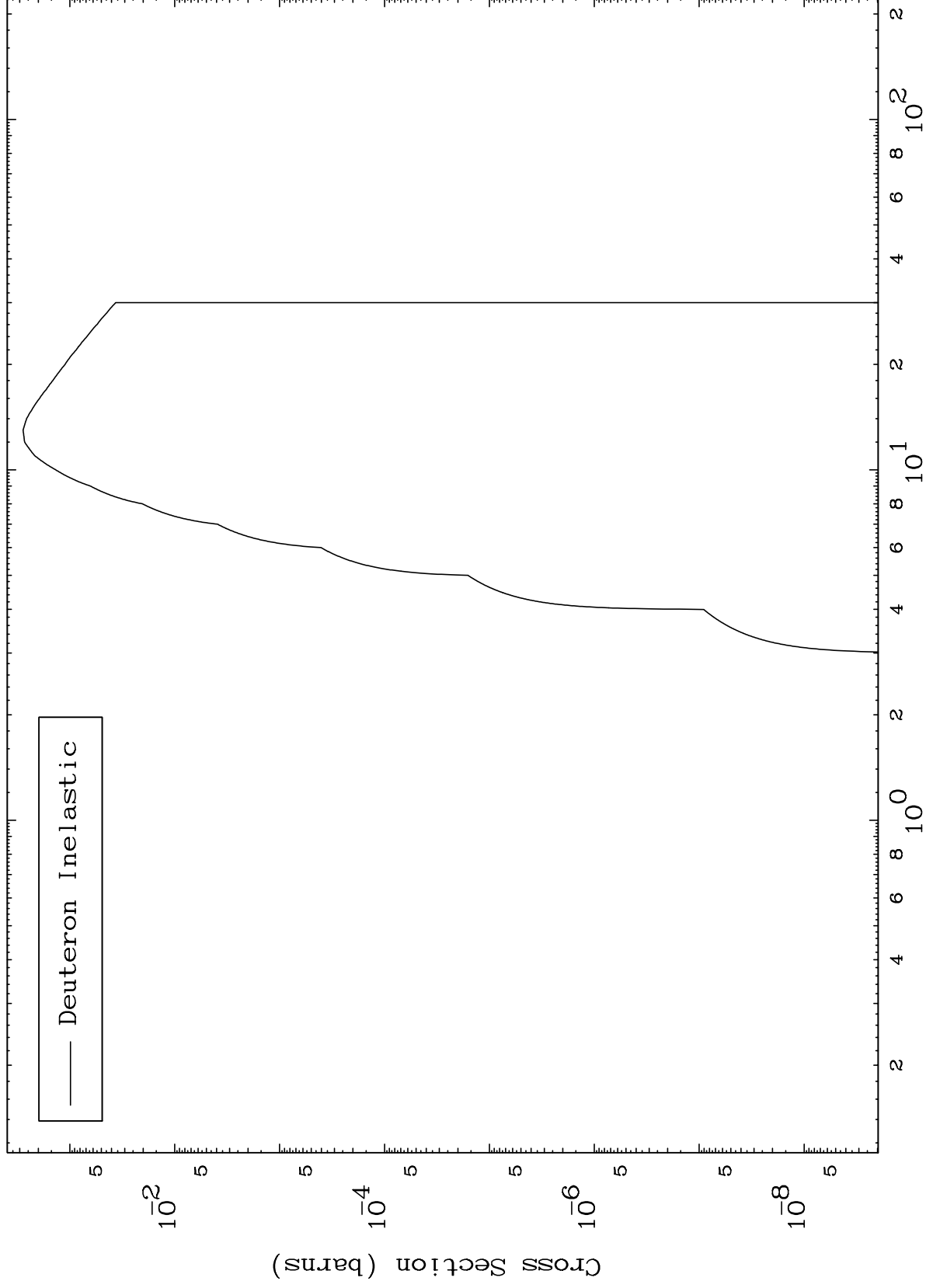




MAT 7902

79-Au-189

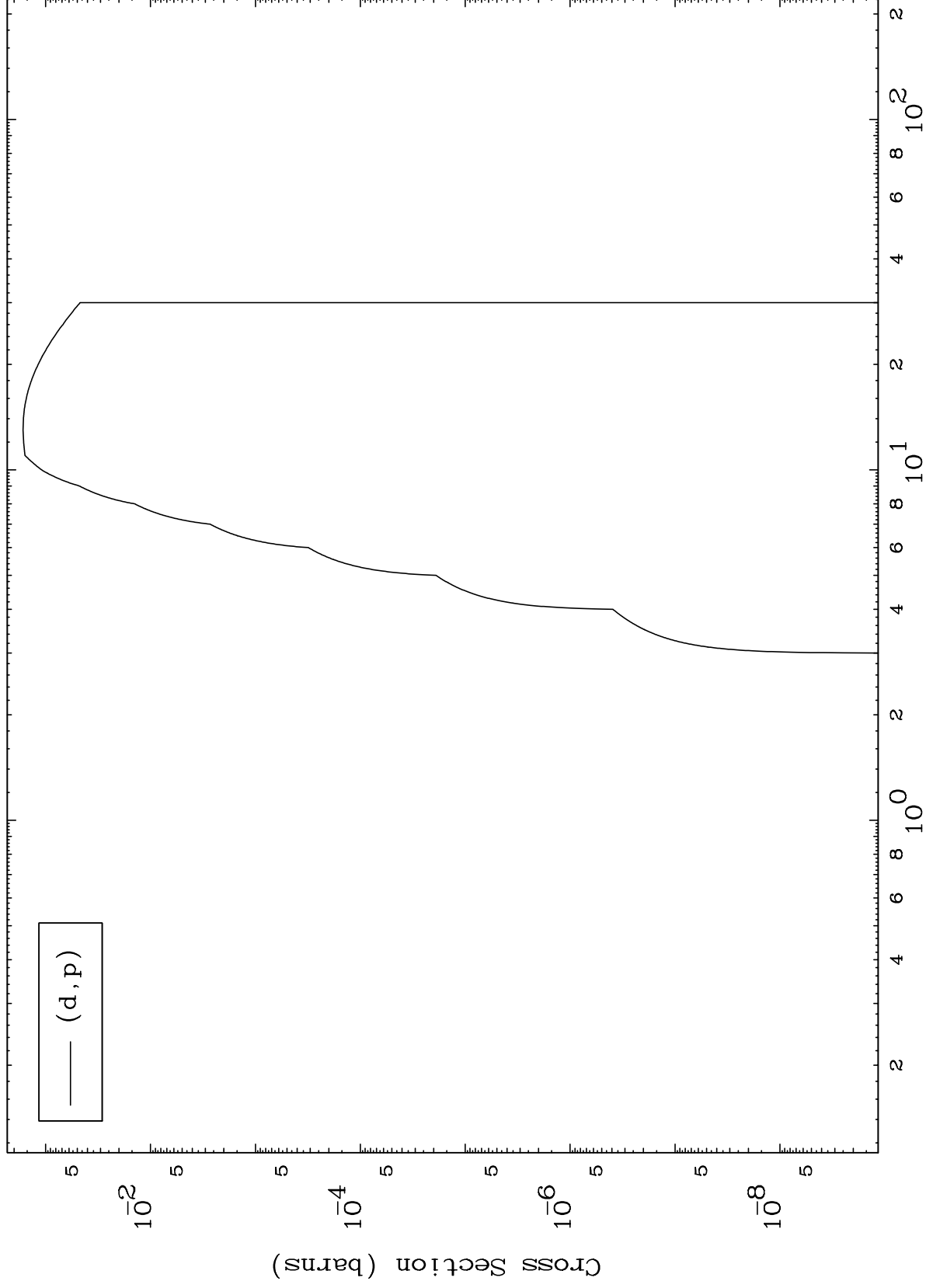
(d,n') Level  
0 Kelvin Cross Sections



MAT 7902

79-Au-189

(d,p) Levels  
0 Kelvin Cross Sections



7

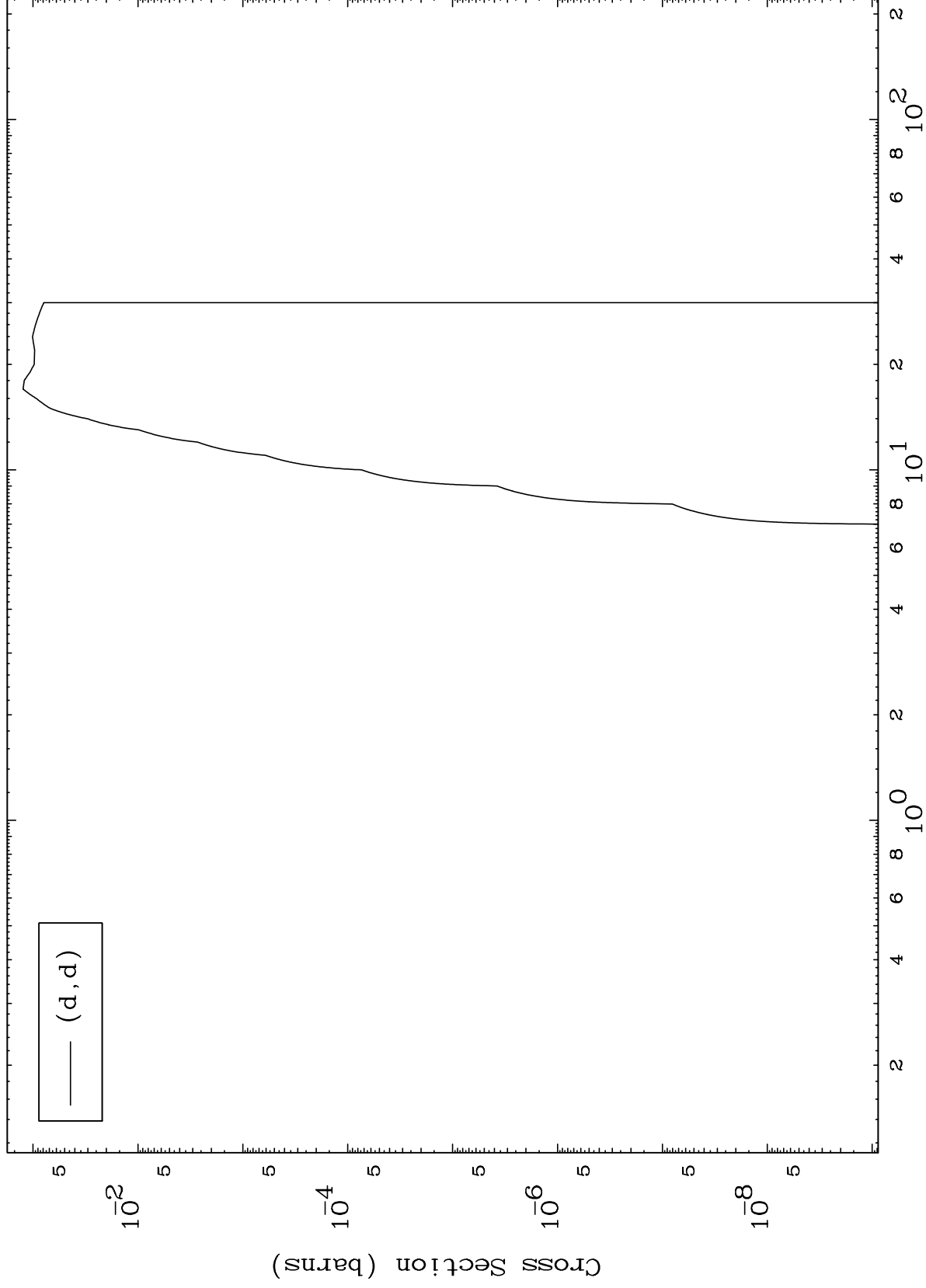
Incident Energy (MeV)

79-Au-189

MAT 7902

79-Au-189

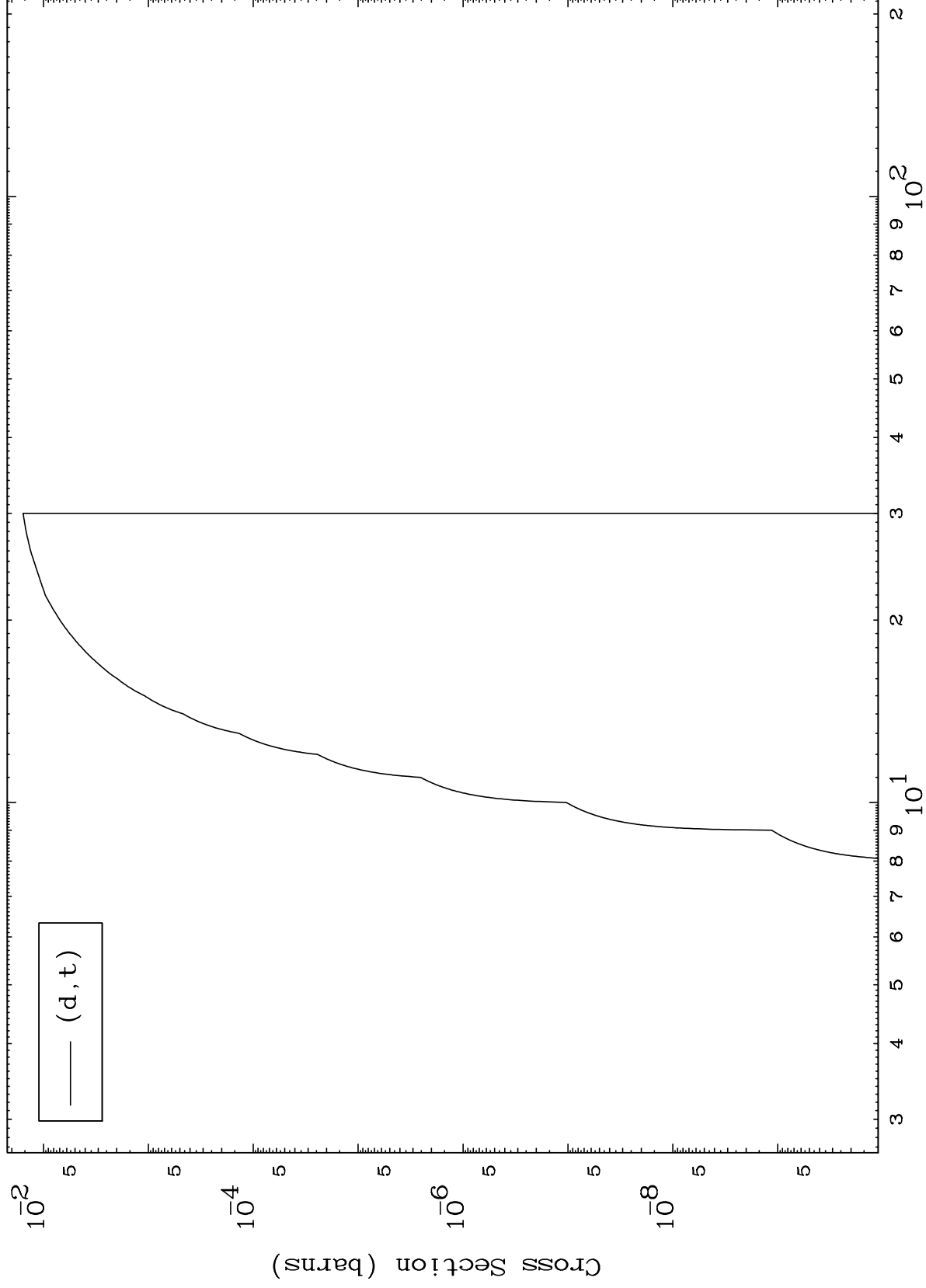
(d,d) Levels  
0 Kelvin Cross Sections



MAT 7902

79-Au-189

(d,t) Levels  
0 Kelvin Cross Sections



9

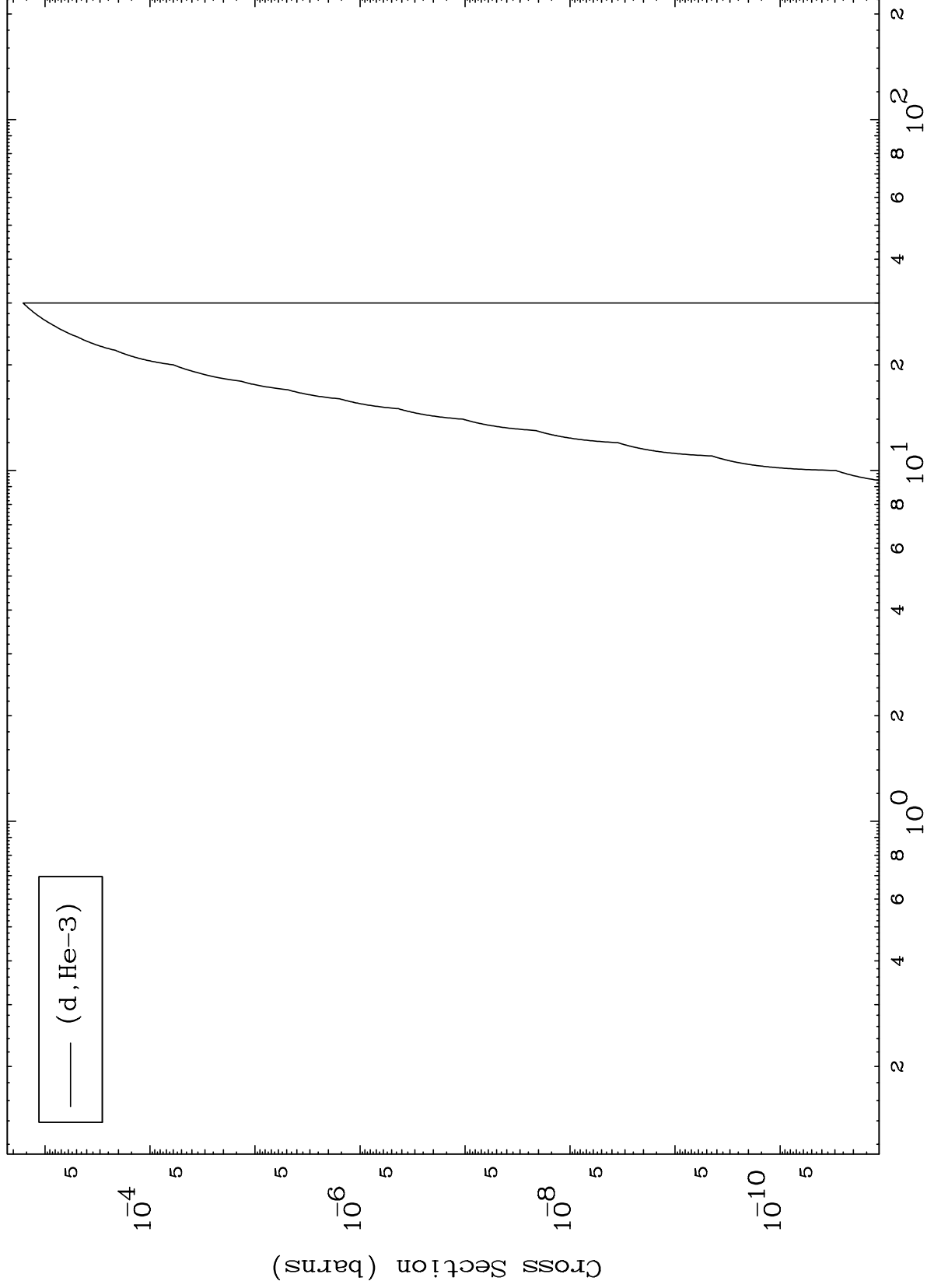
Incident Energy (MeV)

79-Au-189

MAT 7902

79-Au-189

(d,He3) Levels  
0 Kelvin Cross Sections

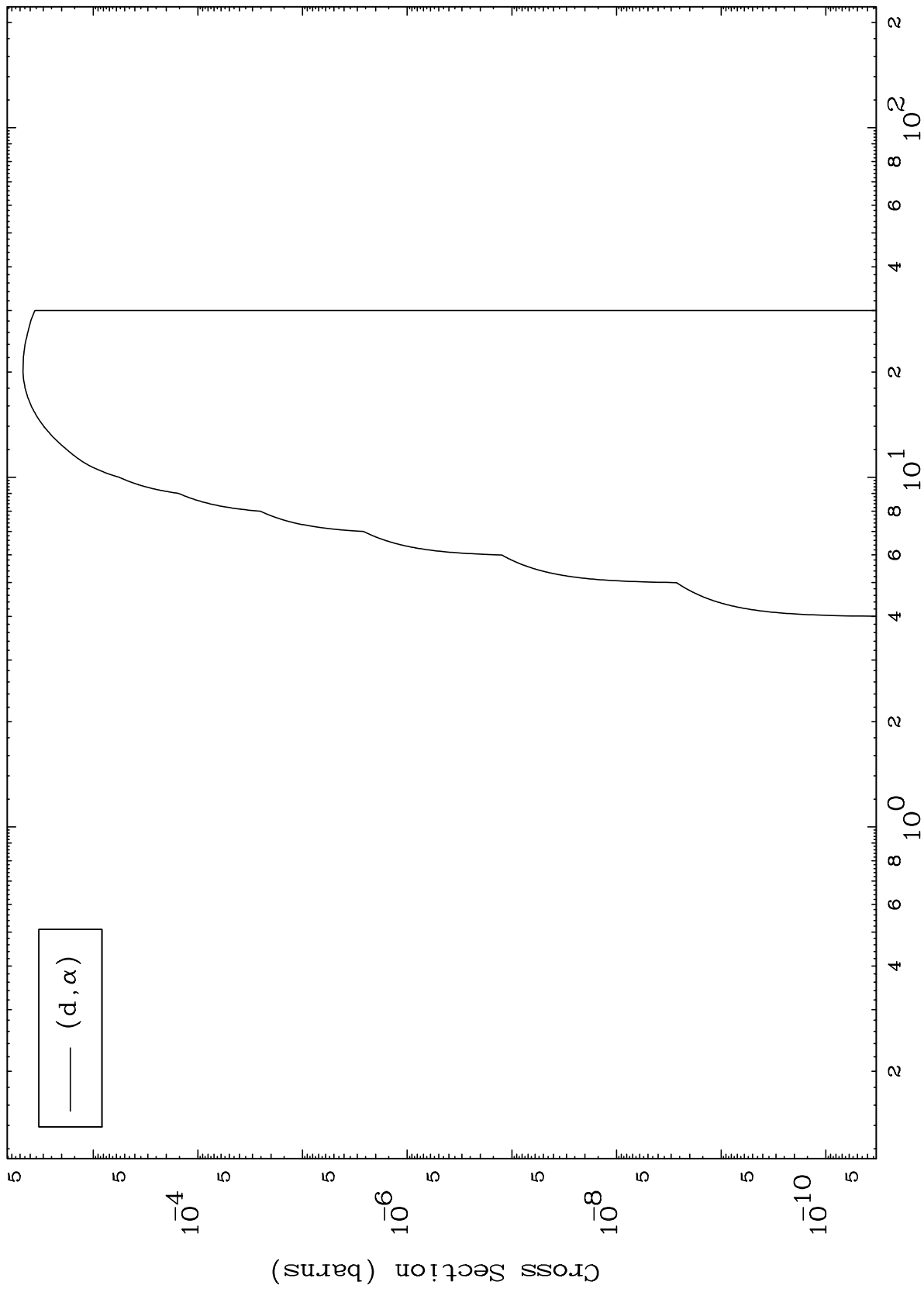


79-Au-189

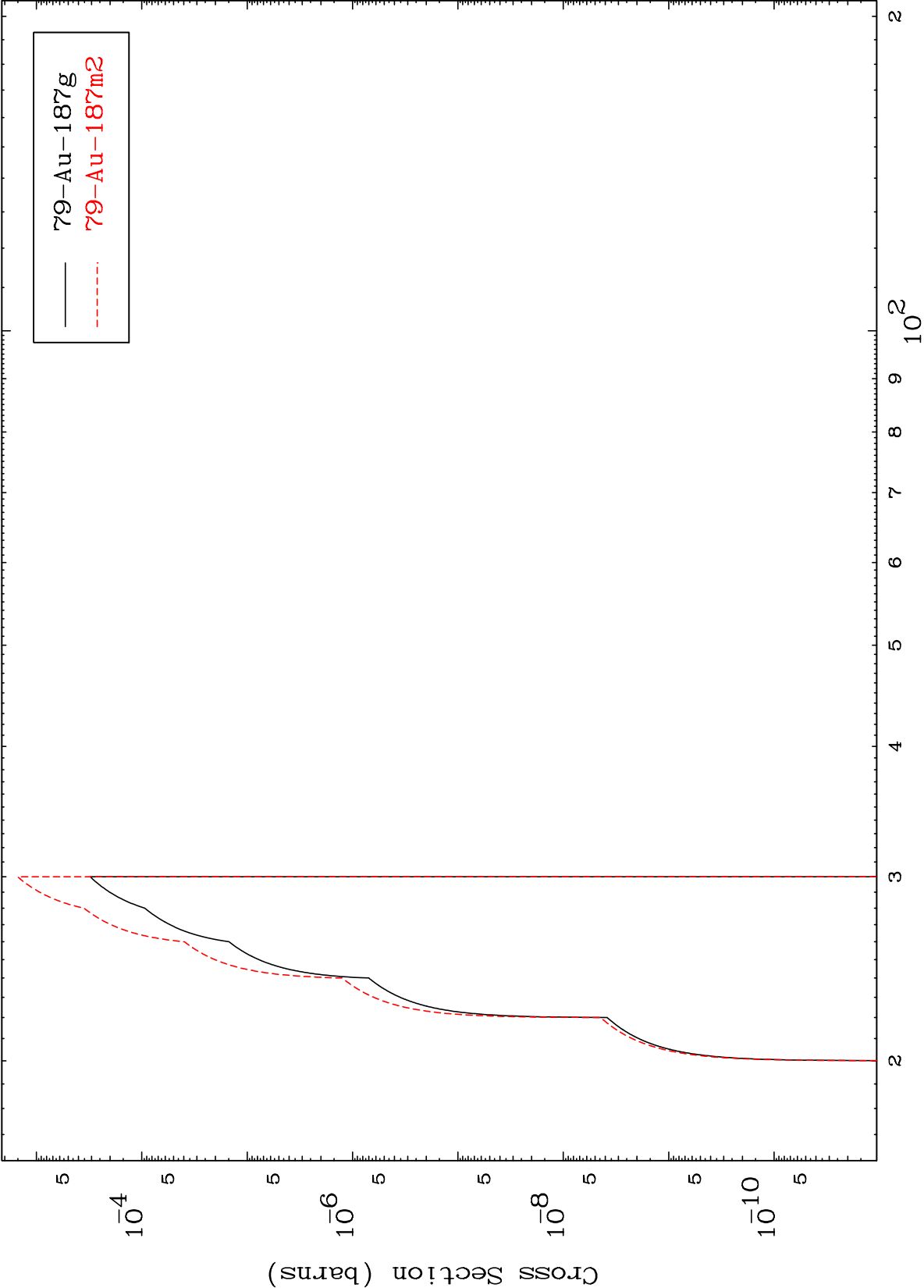
Incident Energy (MeV)

10

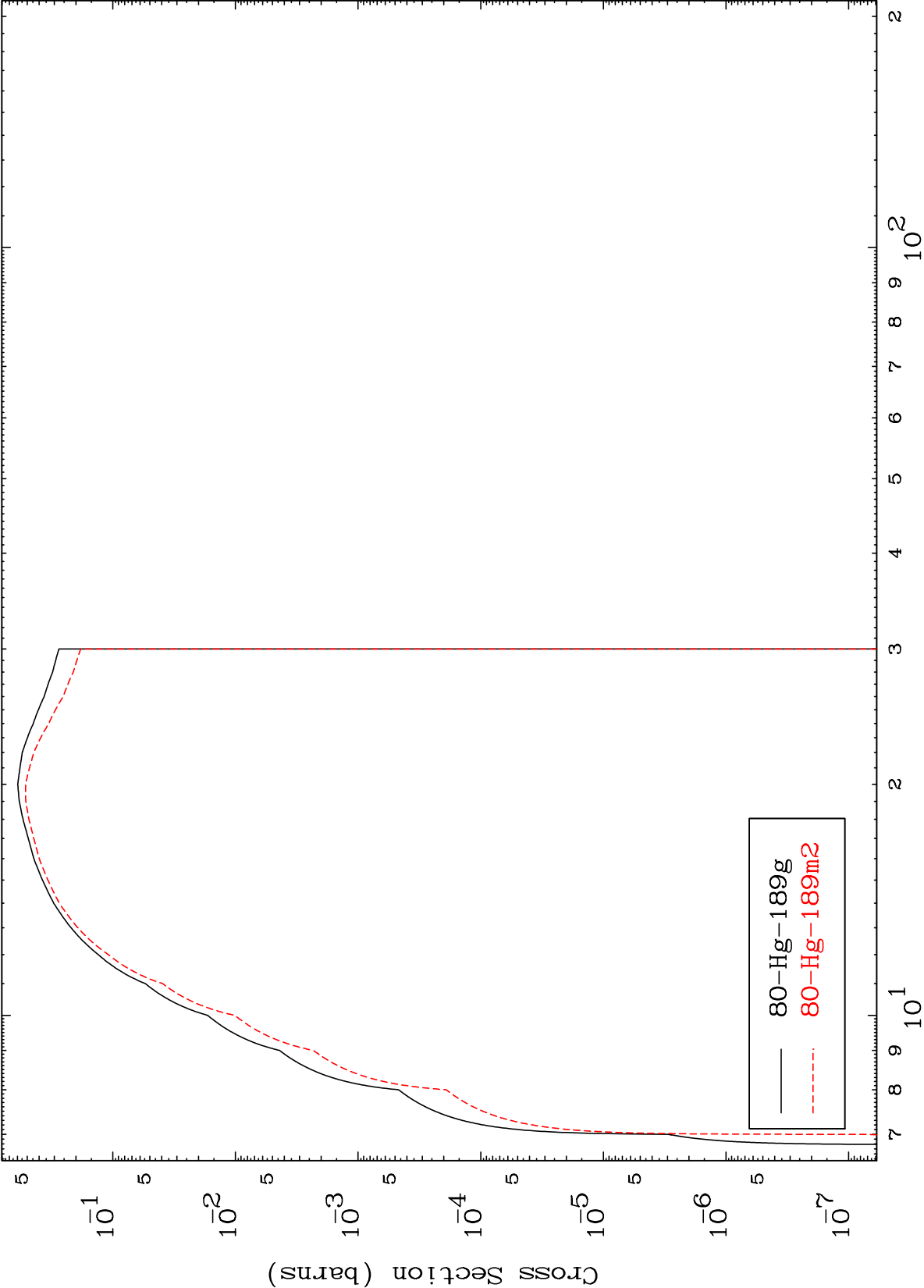
(d,  $\alpha$ ) Levels  
0 Kelvin Cross Sections



Radionuclide Production Cross Section



(d,2n)  
Radionuclide Production Cross Section

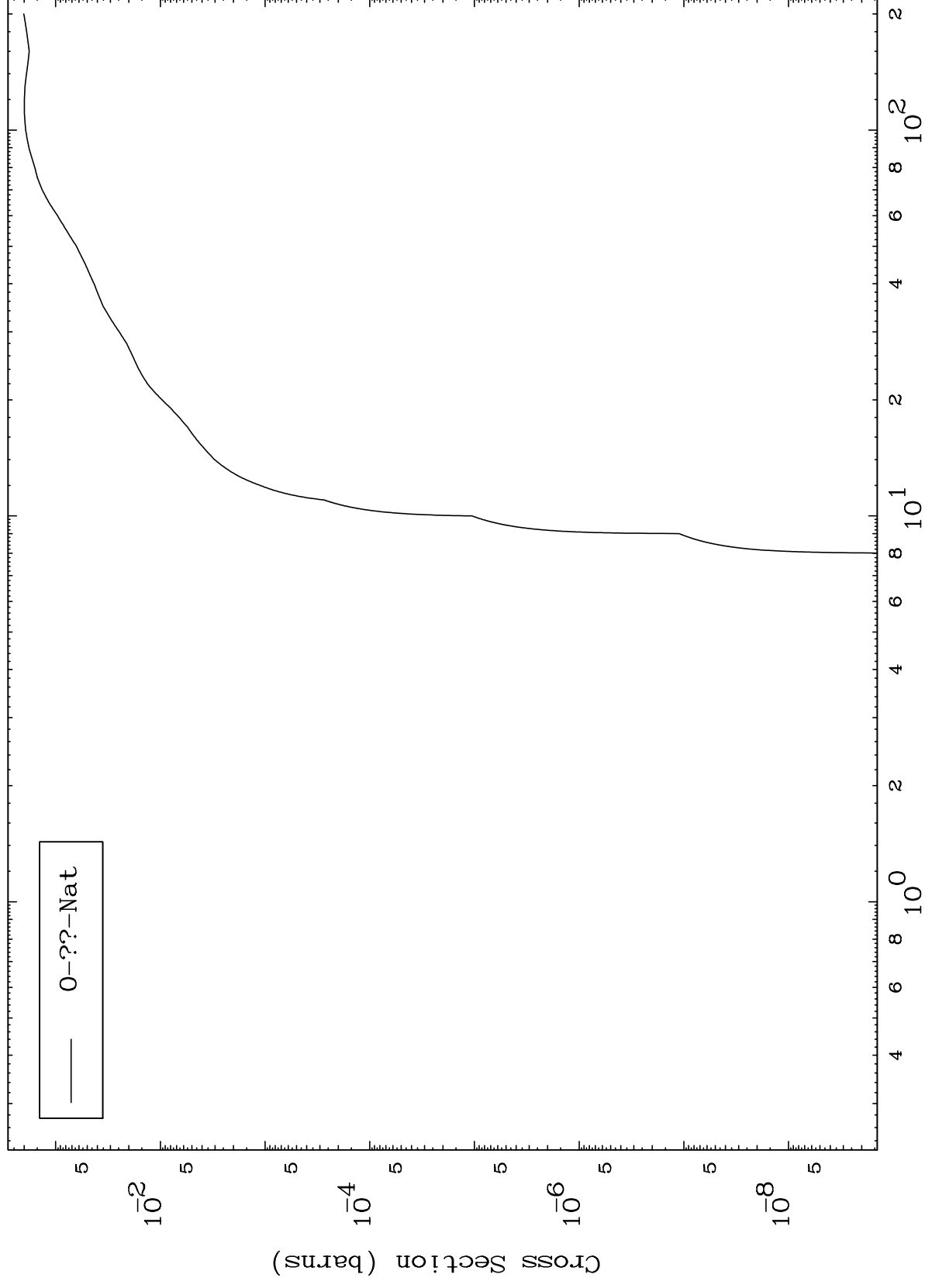


MAT 7902

Deuteron Fission

79-Au-189

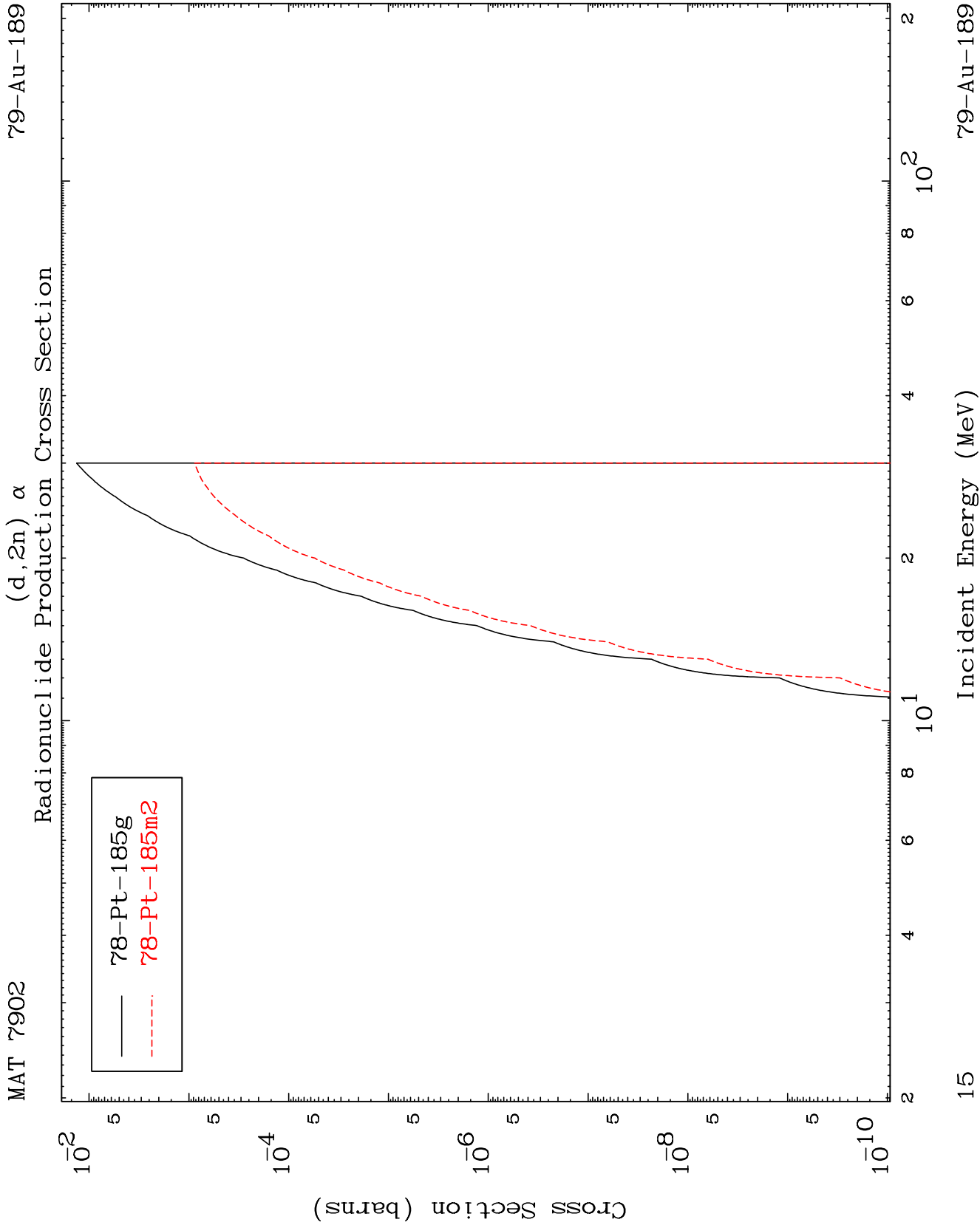
Radionuclide Production Cross Section



14

Incident Energy (MeV)

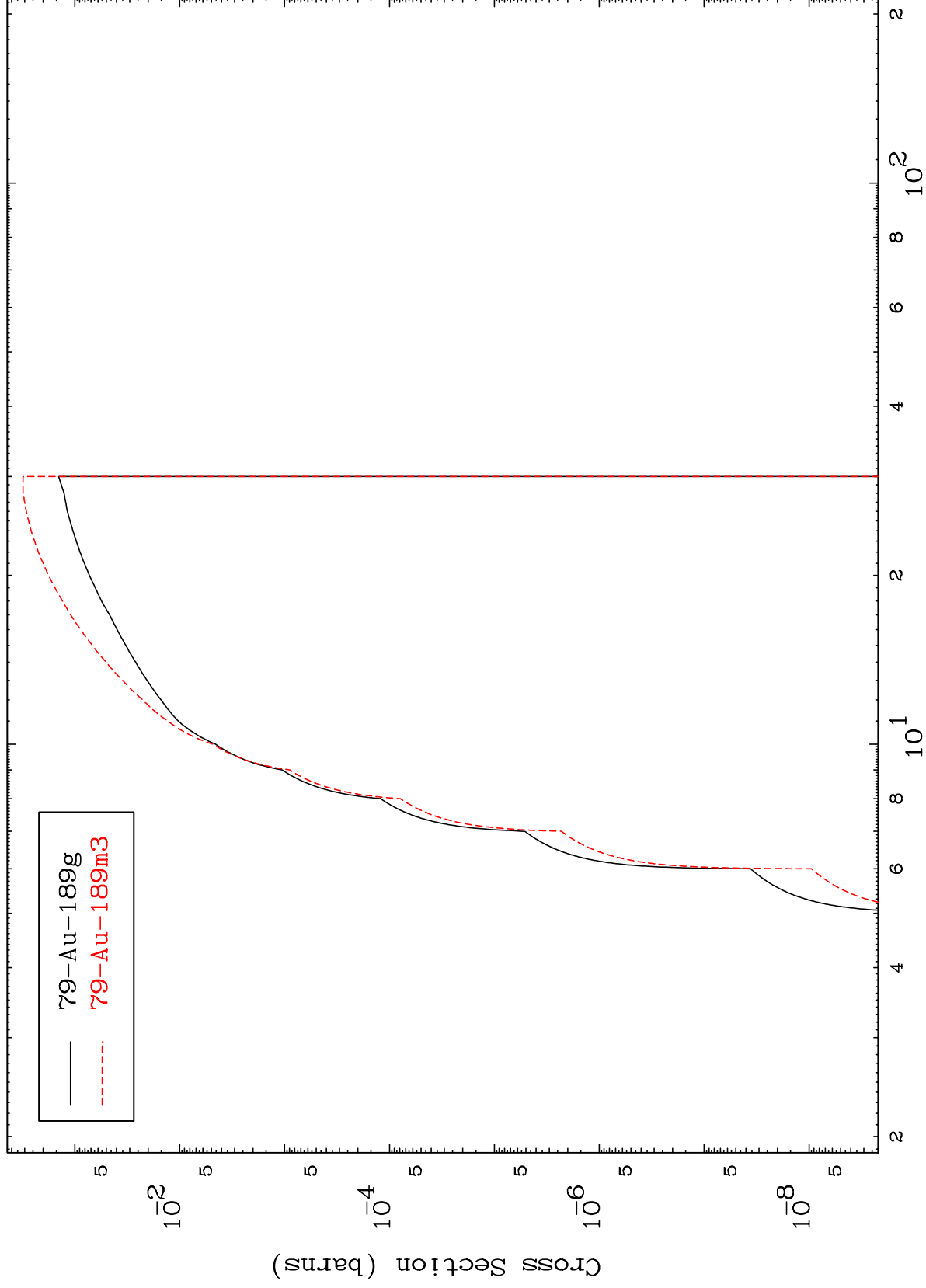
79-Au-189



MAT 7902

79-Au-189

(d,n') p  
Radionuclide Production Cross Section



79-Au-189

Incident Energy (MeV)

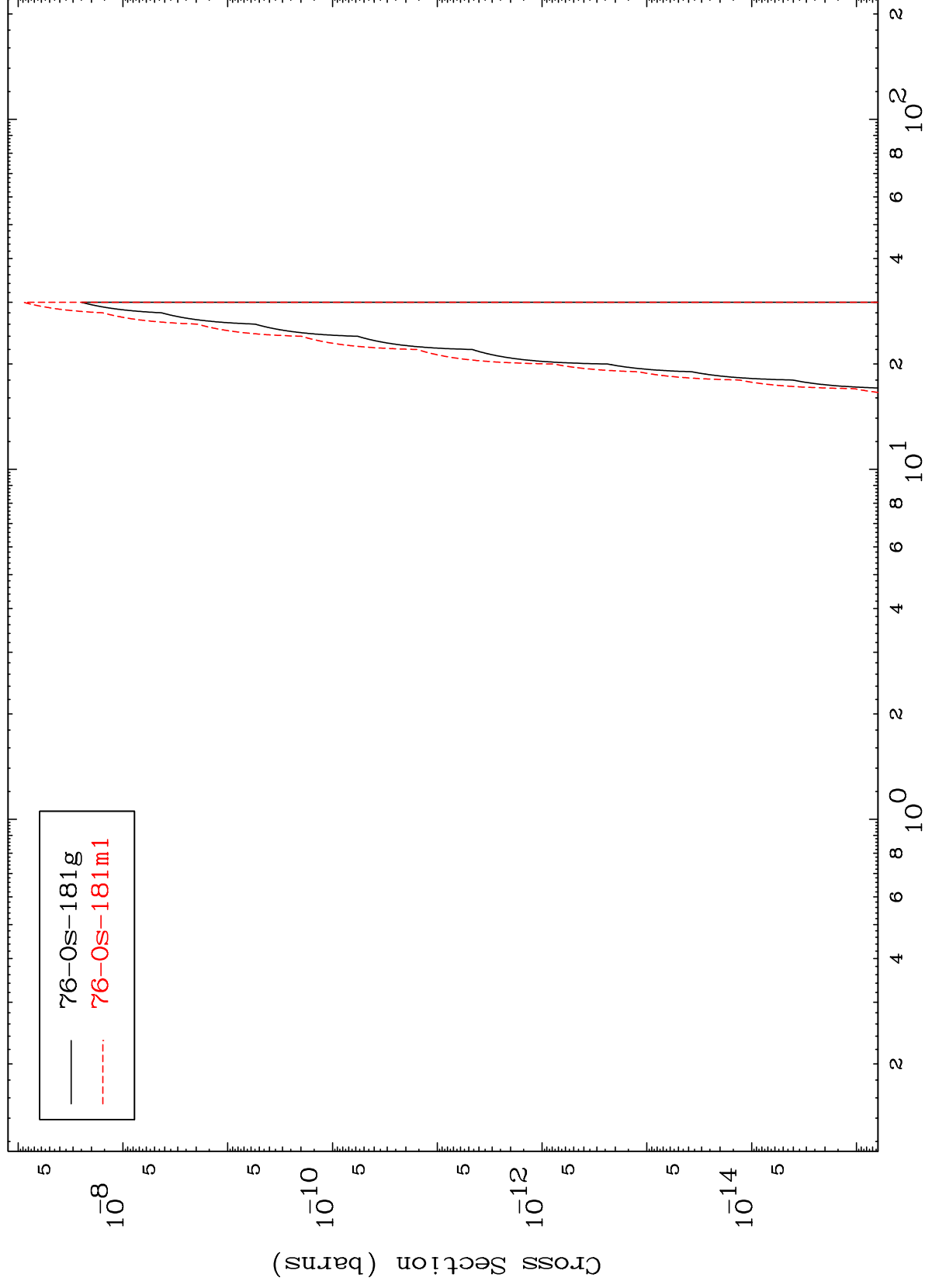
16

MAT 7902

(d,2n)  $2\alpha$

$^{79}\text{Au-189}$

Radionuclide Production Cross Section



—  $^{76}\text{Os-181g}$   
- - -  $^{76}\text{Os-181m1}$

17

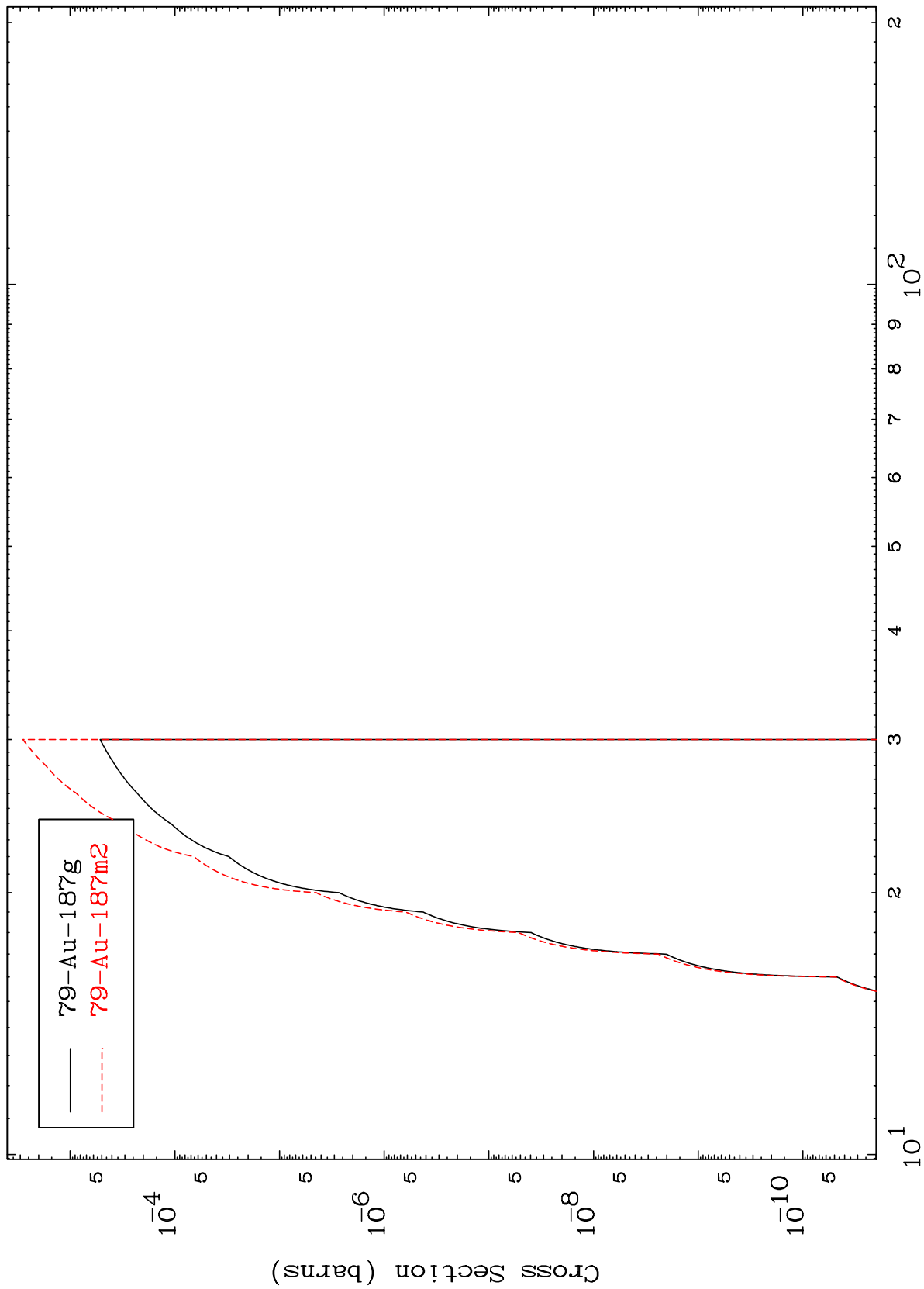
Incident Energy (MeV)

$^{79}\text{Au-189}$

MAT 7902

79-Au-189

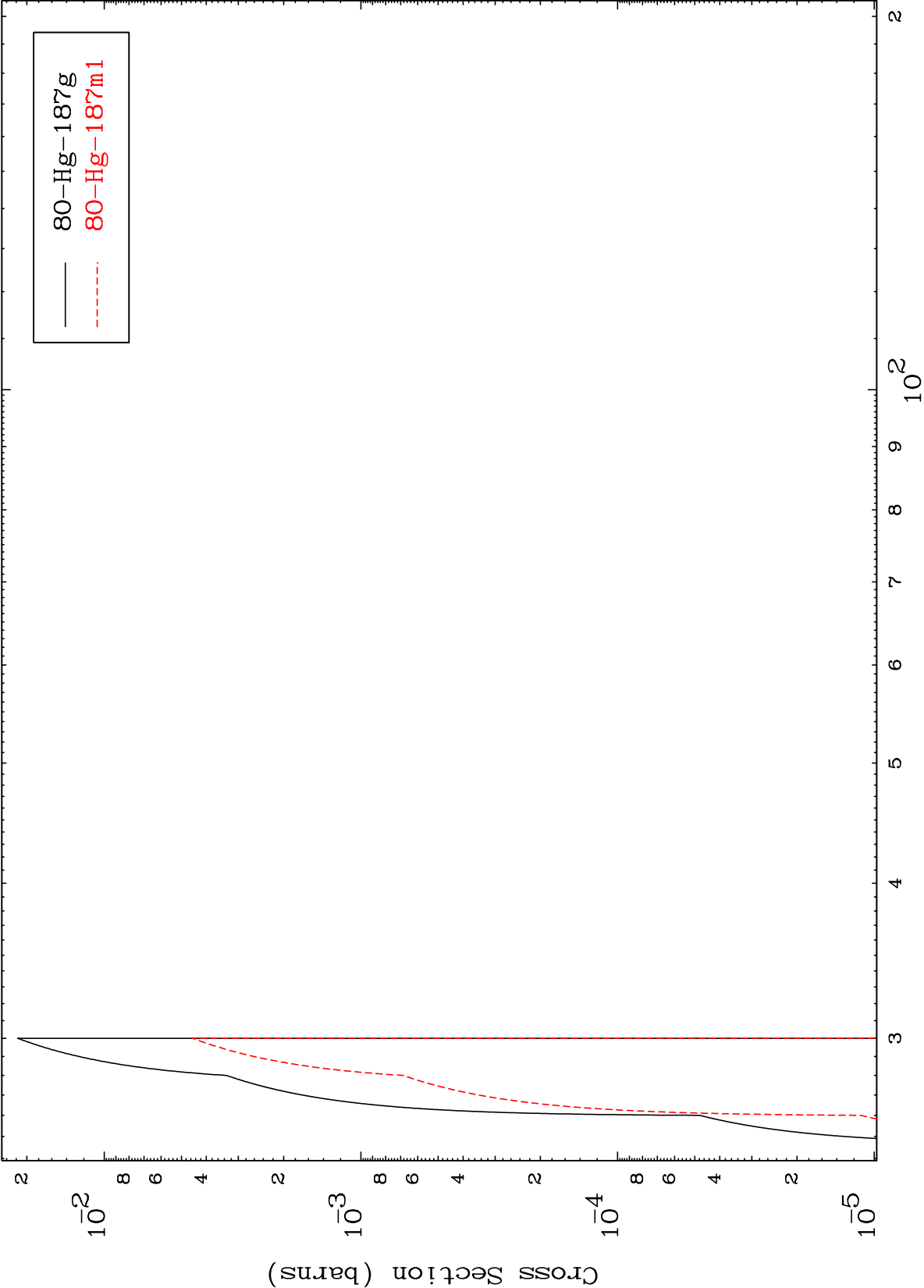
(d,n') t  
Radionuclide Production Cross Section



79-Au-189

Incident Energy (MeV)

Radionuclide Production Cross Section

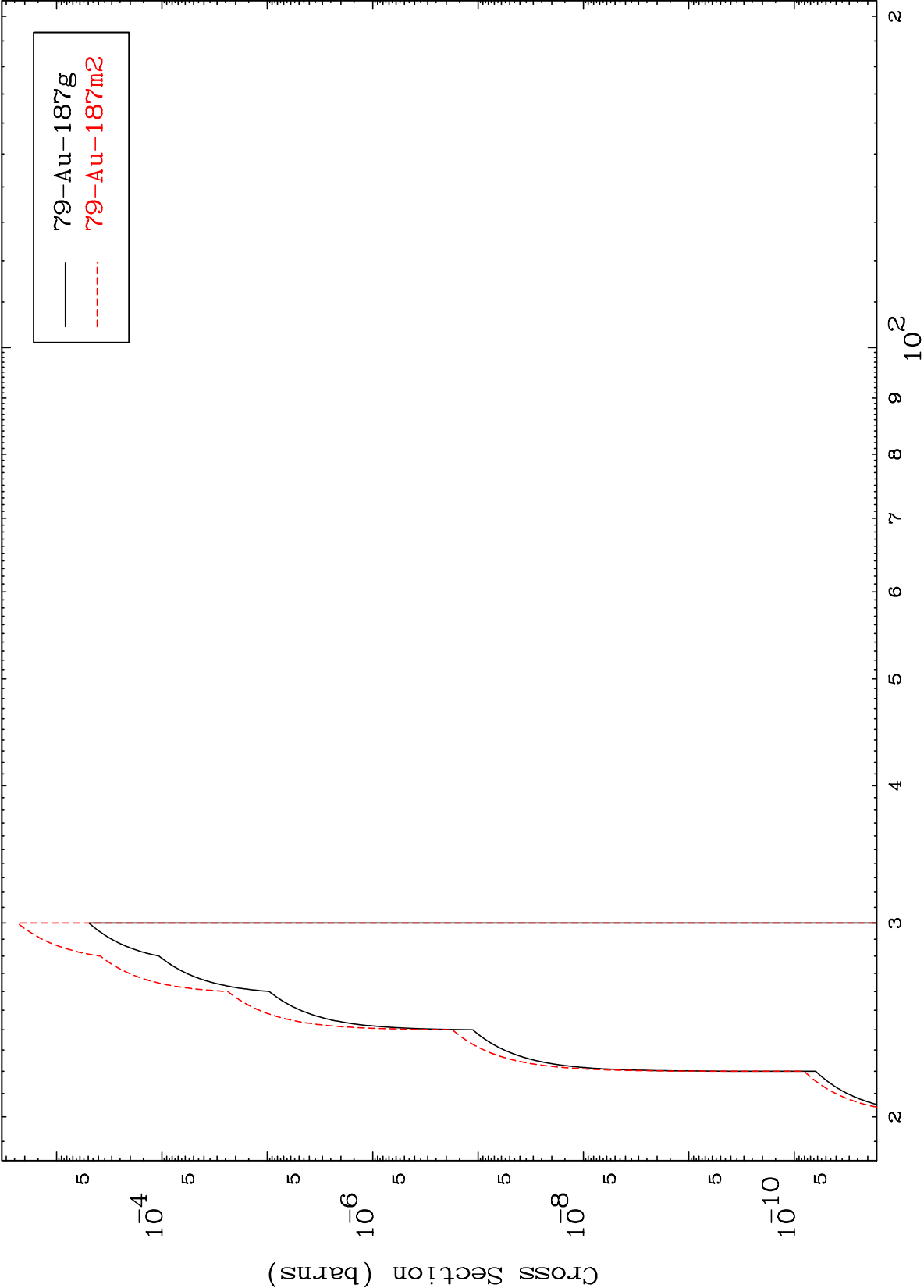


MAT 7902

(d,3n) p

<sup>79</sup>Au-189

Radionuclide Production Cross Section

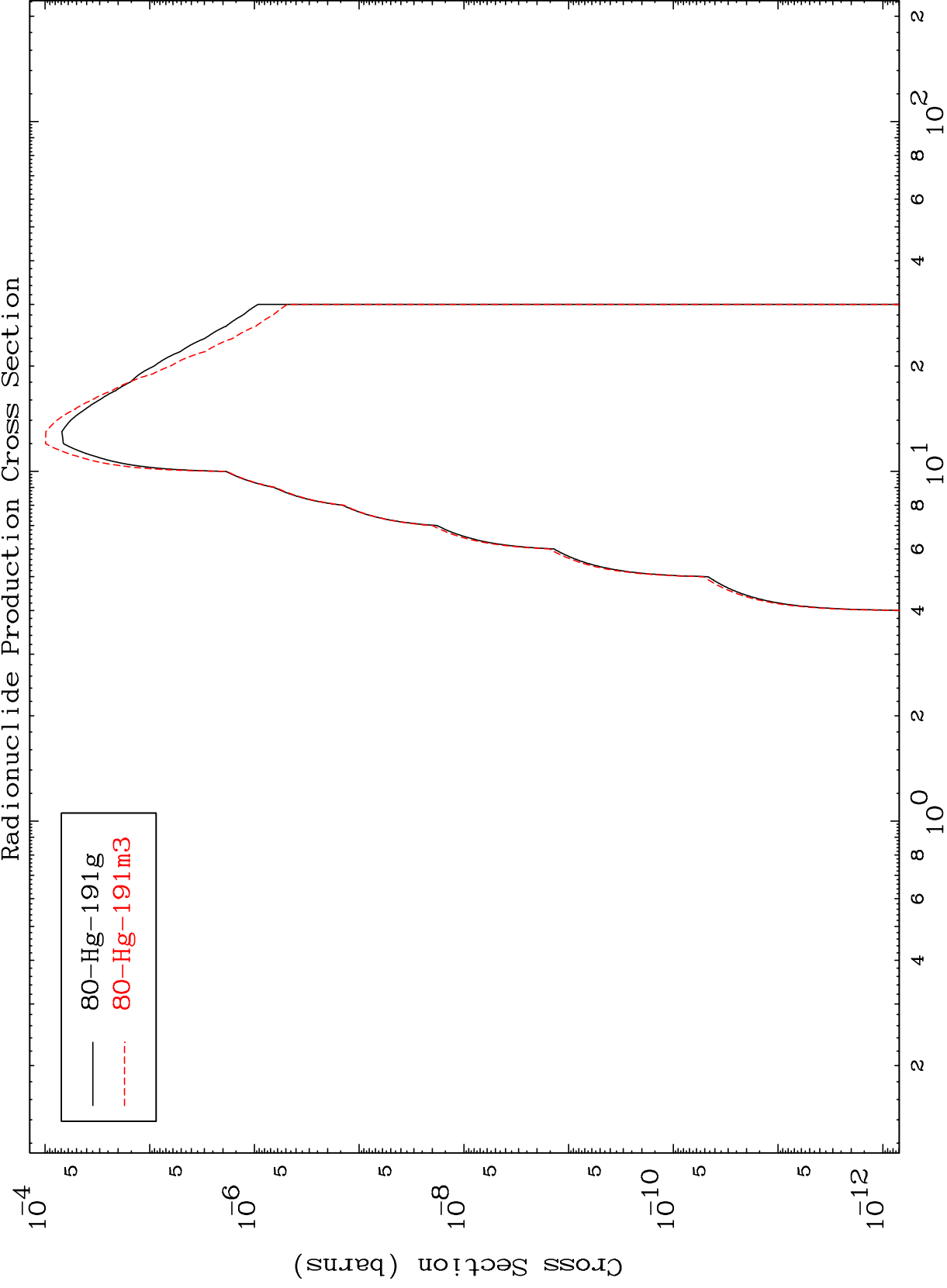


20

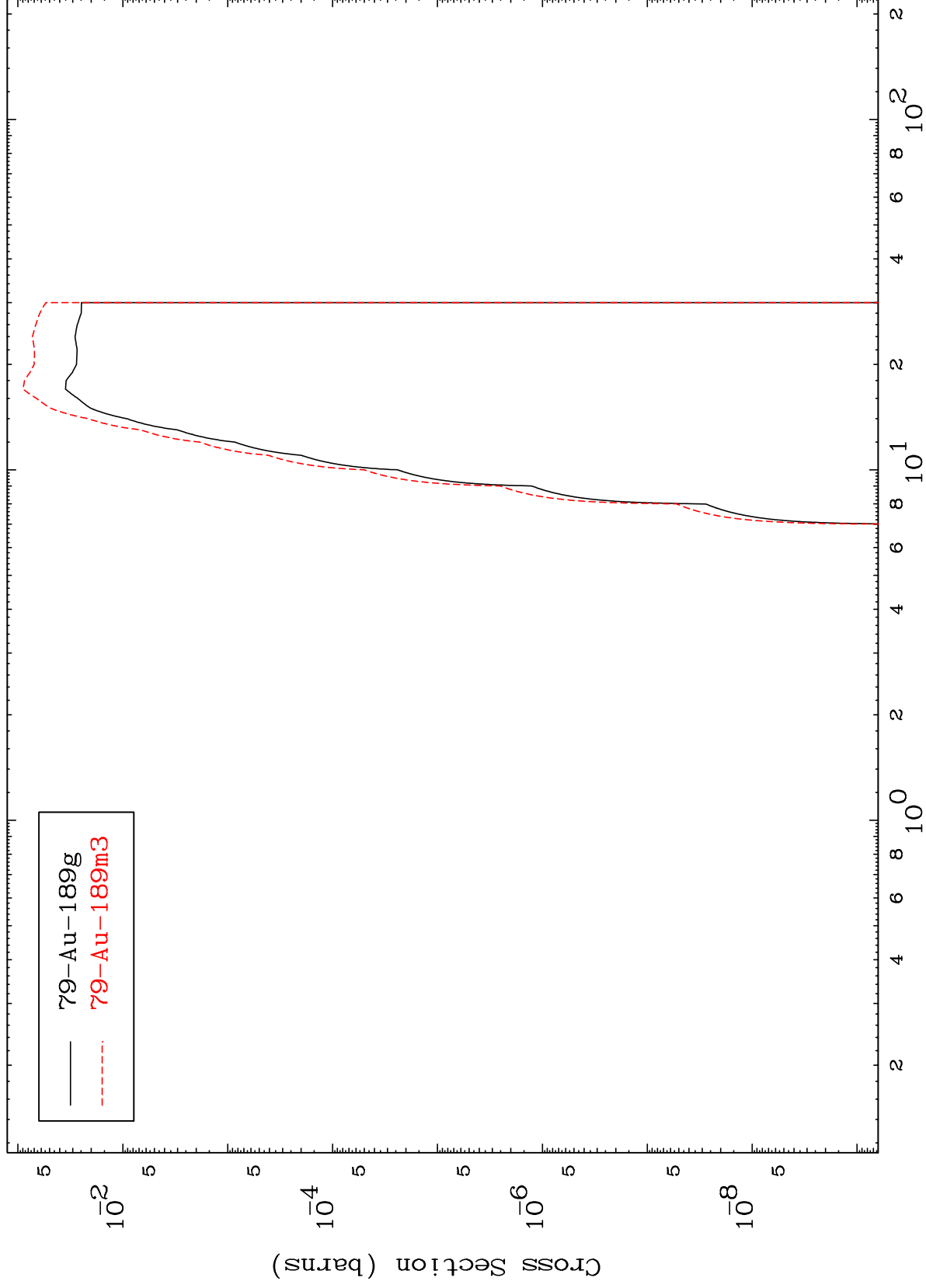
Incident Energy (MeV)

<sup>79</sup>Au-189

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



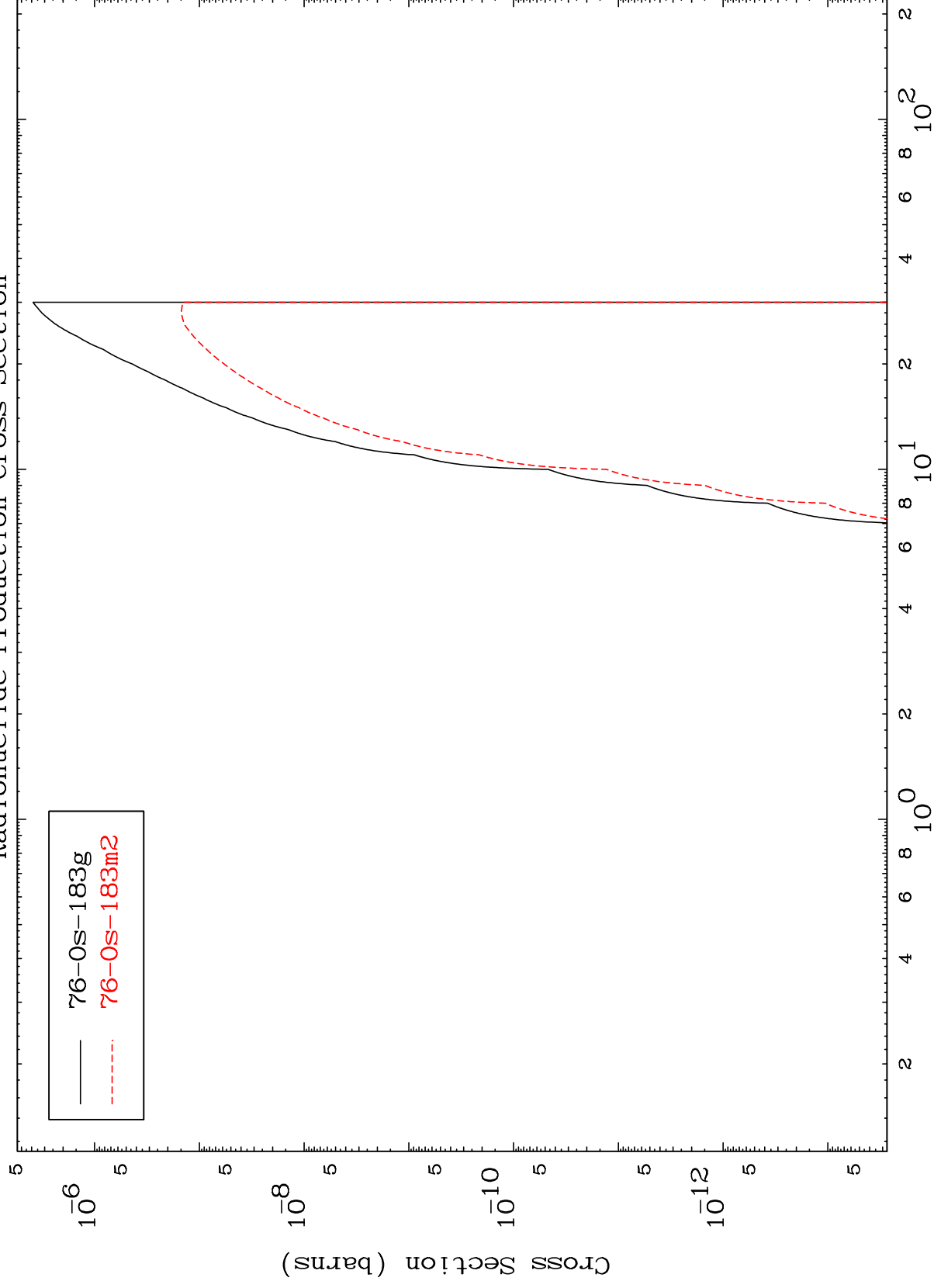
Radionuclide Production Cross Section  
(d,d)



MAT 7902

79-Au-189

Radionuclide Production Cross Section  
(d,2 $\alpha$ )



23

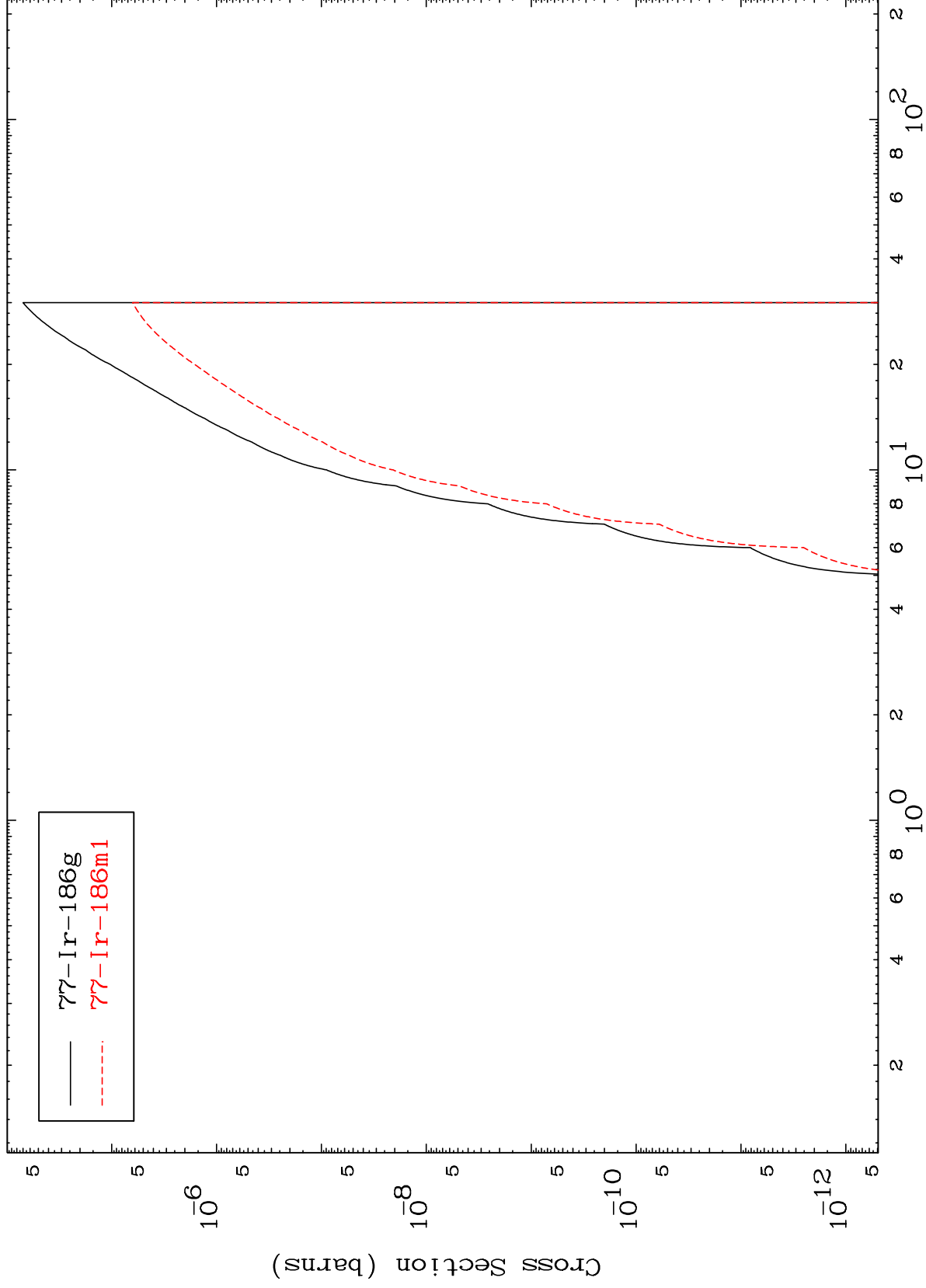
Incident Energy (MeV)

79-Au-189

MAT 7902

79-Au-189

(d,p)  $\alpha$   
Radionuclide Production Cross Section



24

Incident Energy (MeV)

79-Au-189