

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

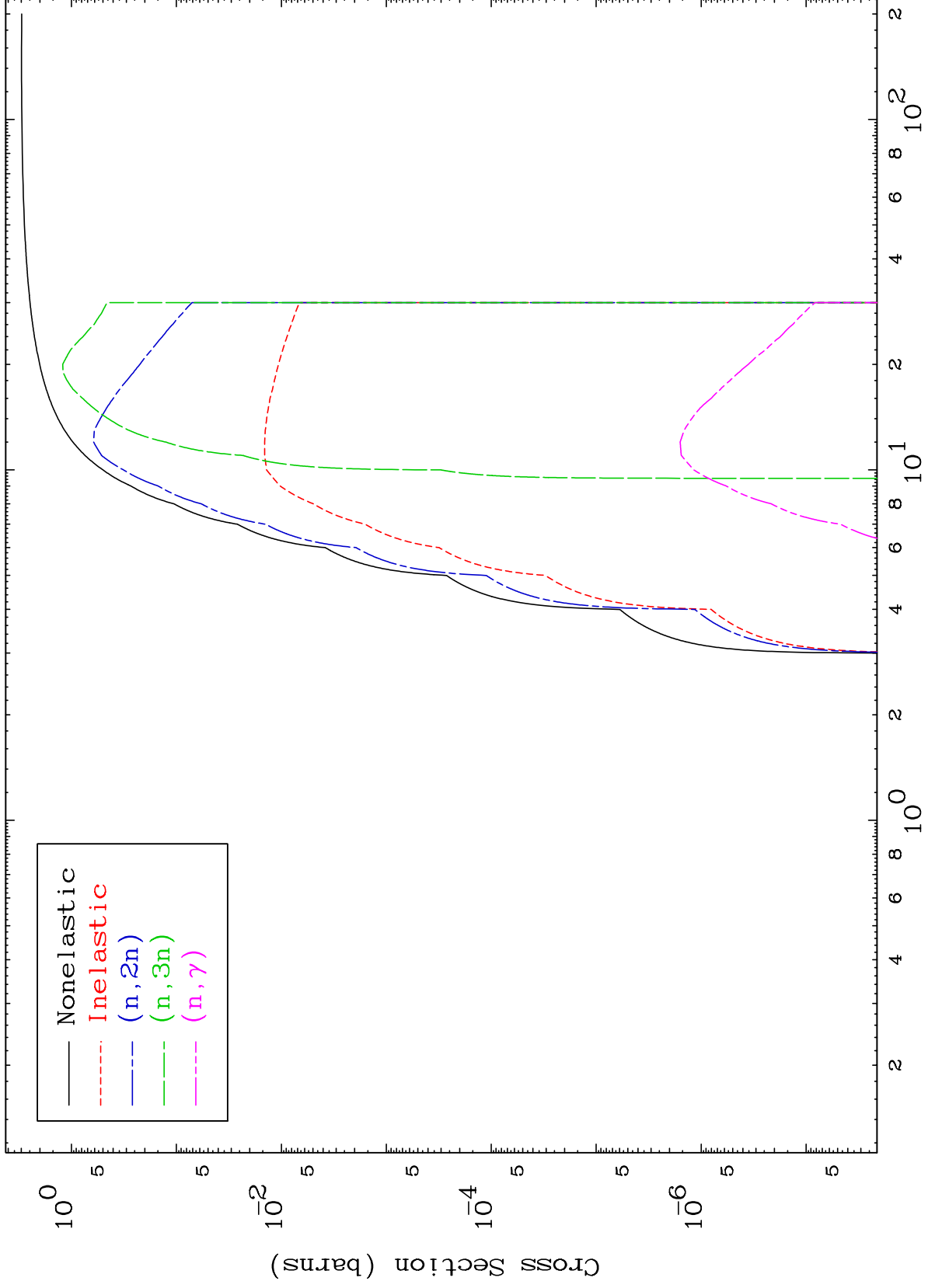
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7244

Deuteron Major  
0 Kelvin Cross Sections

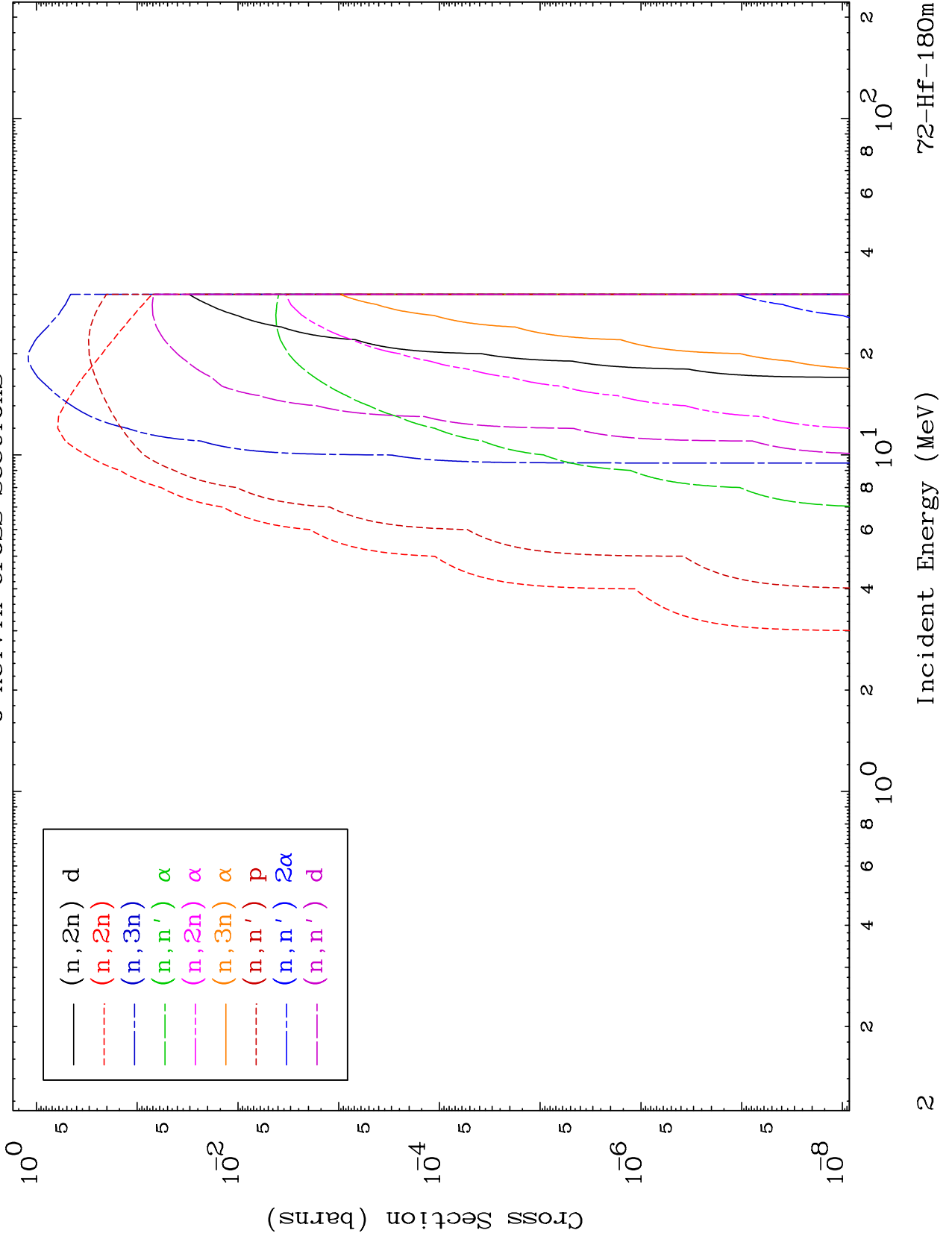
<sup>72</sup>Hf-180m



MAT 7244

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

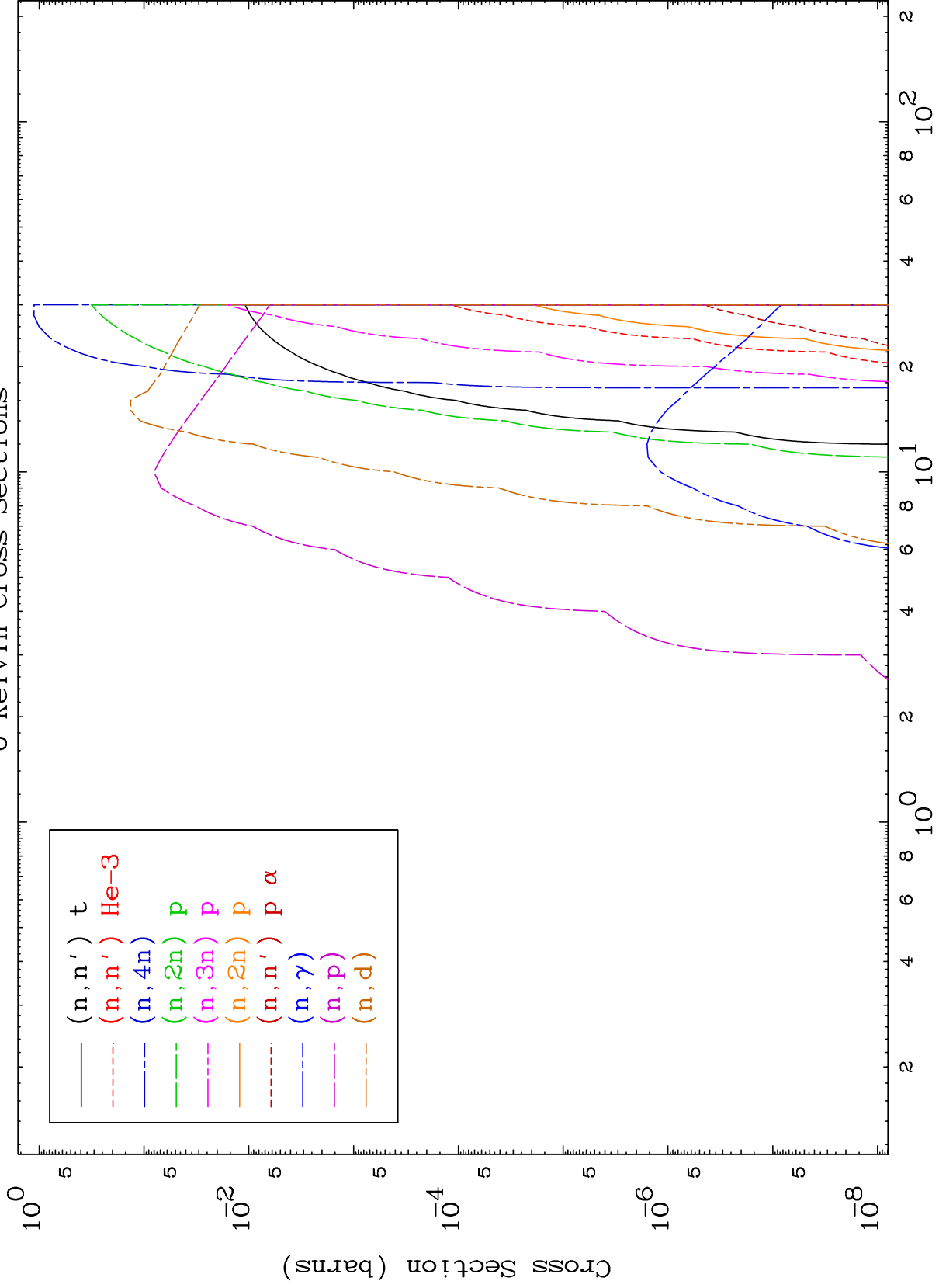
<sup>72</sup>Hf-180m



MAT 7244

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

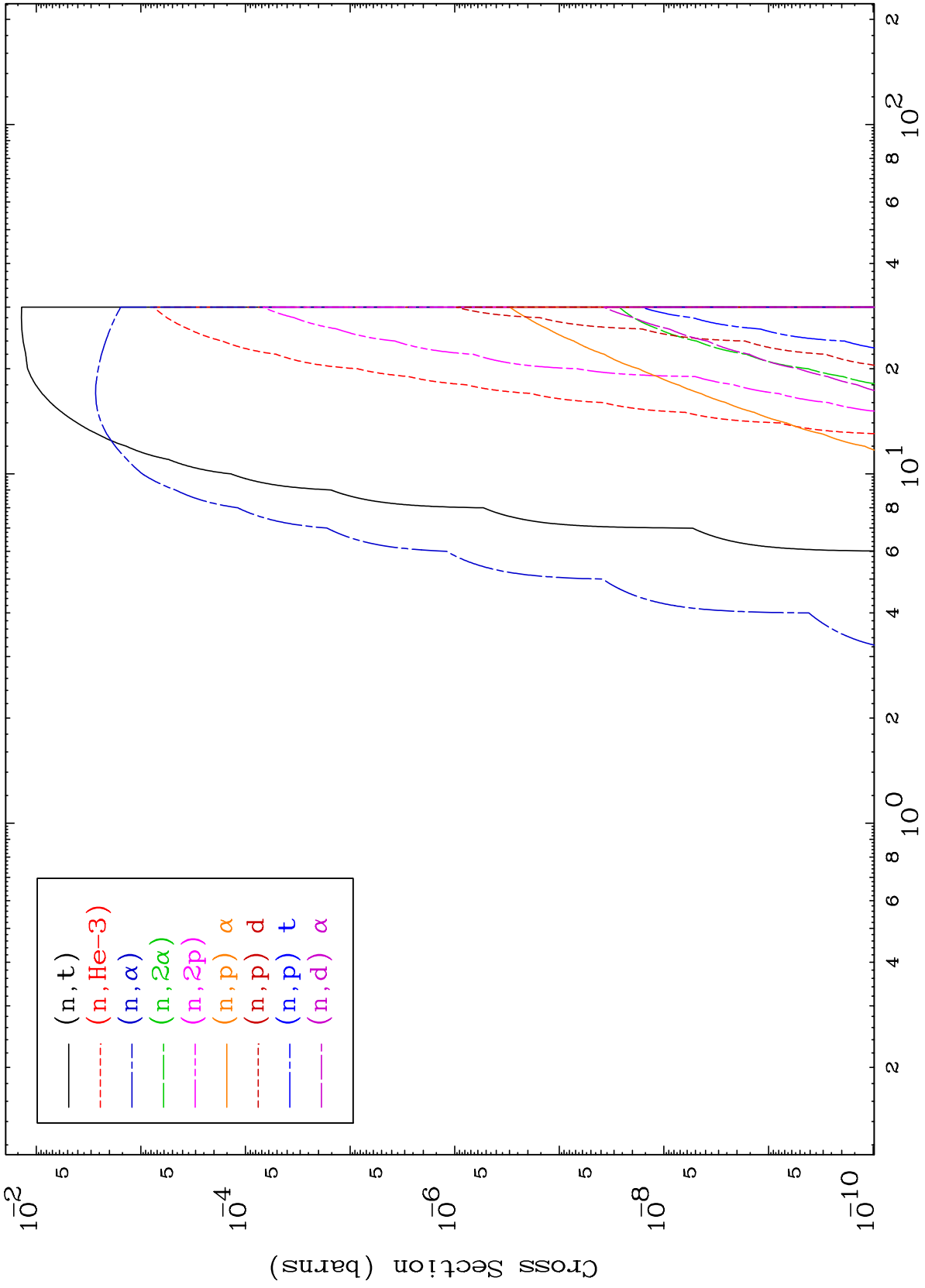
<sup>72</sup>Hf-180m

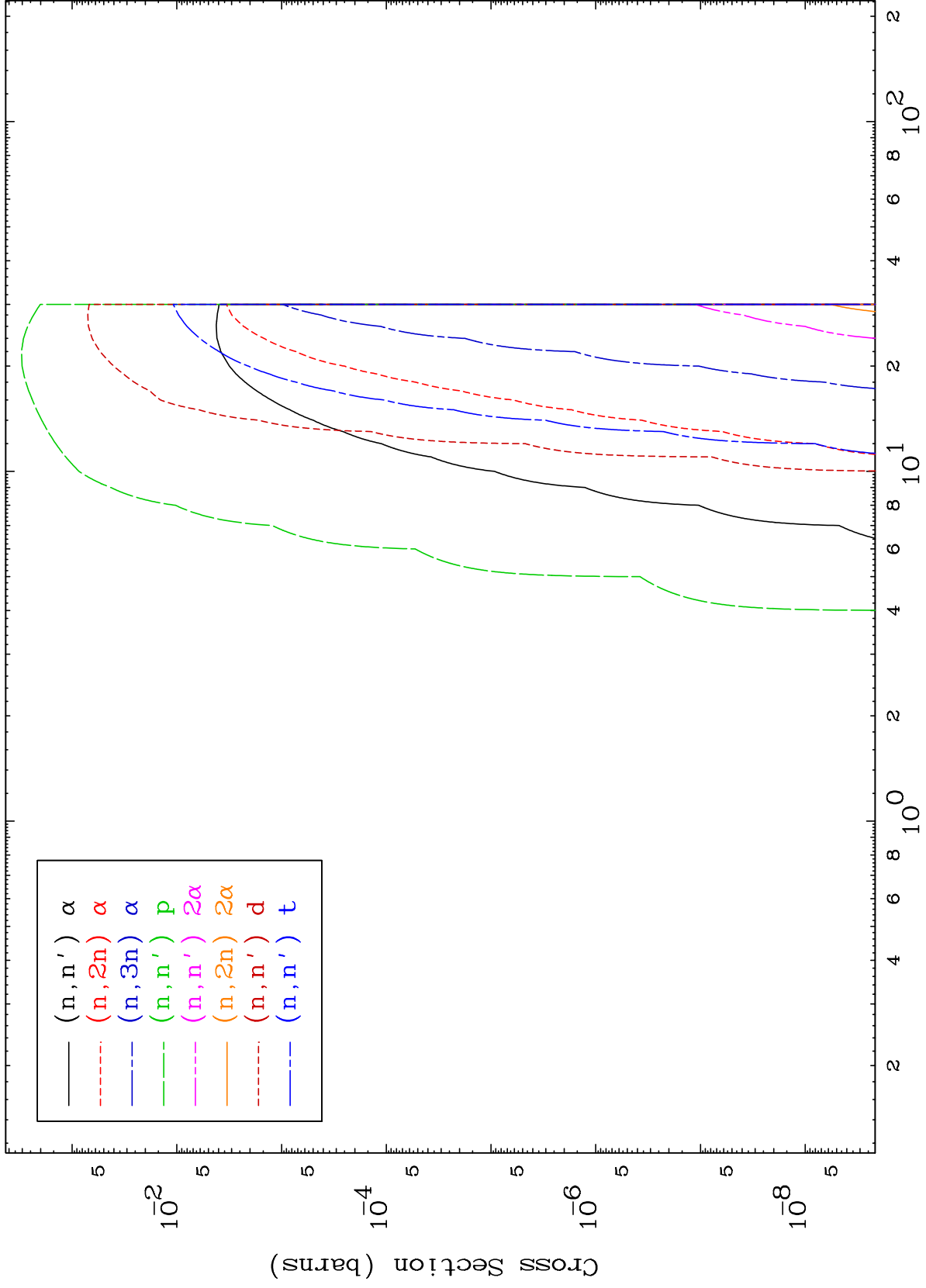


MAT 7244

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

<sup>72</sup>Hf-180m

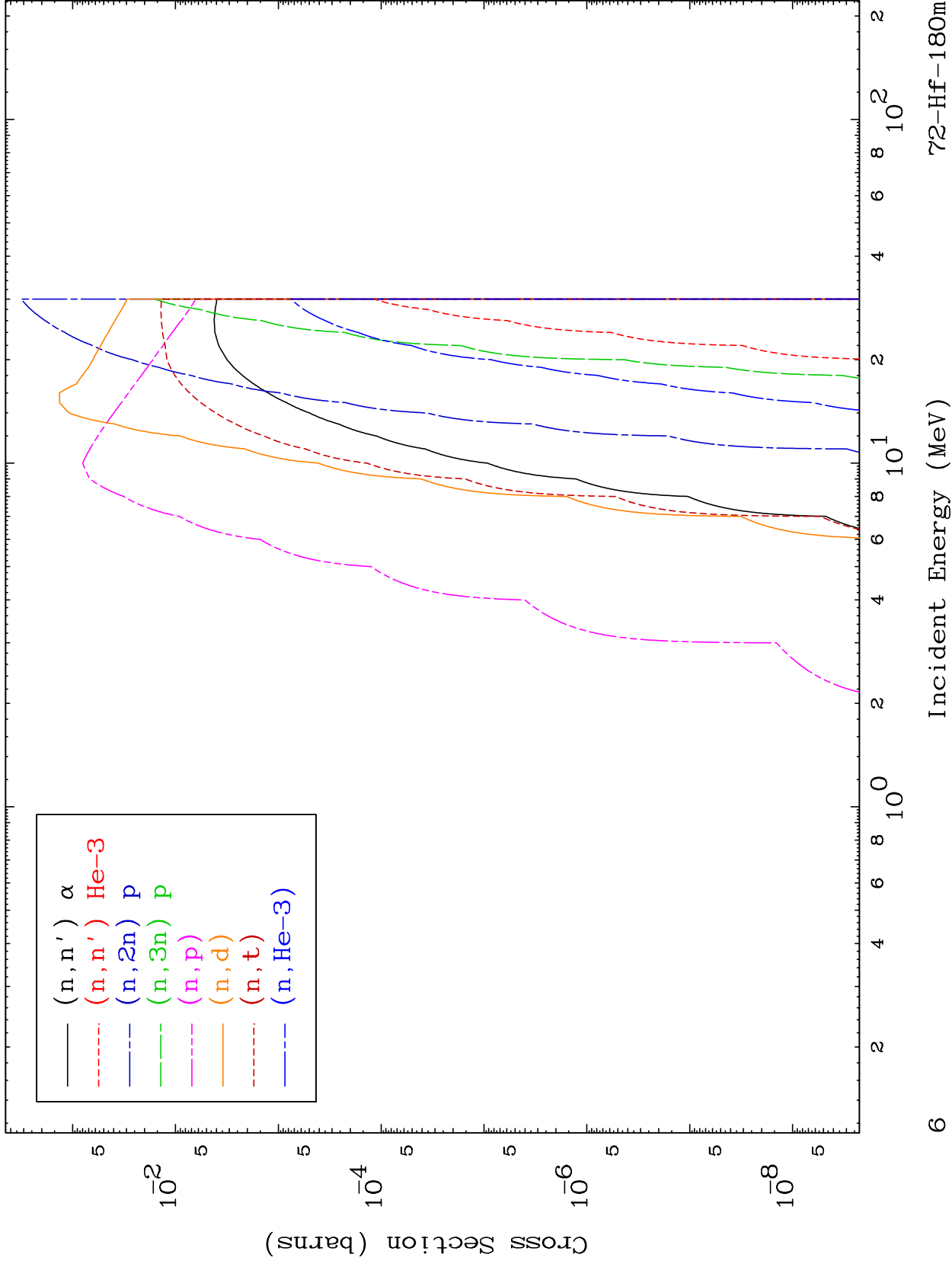




MAT 7244

Deuteron Charged Particle  
0 Kelvin Cross Sections

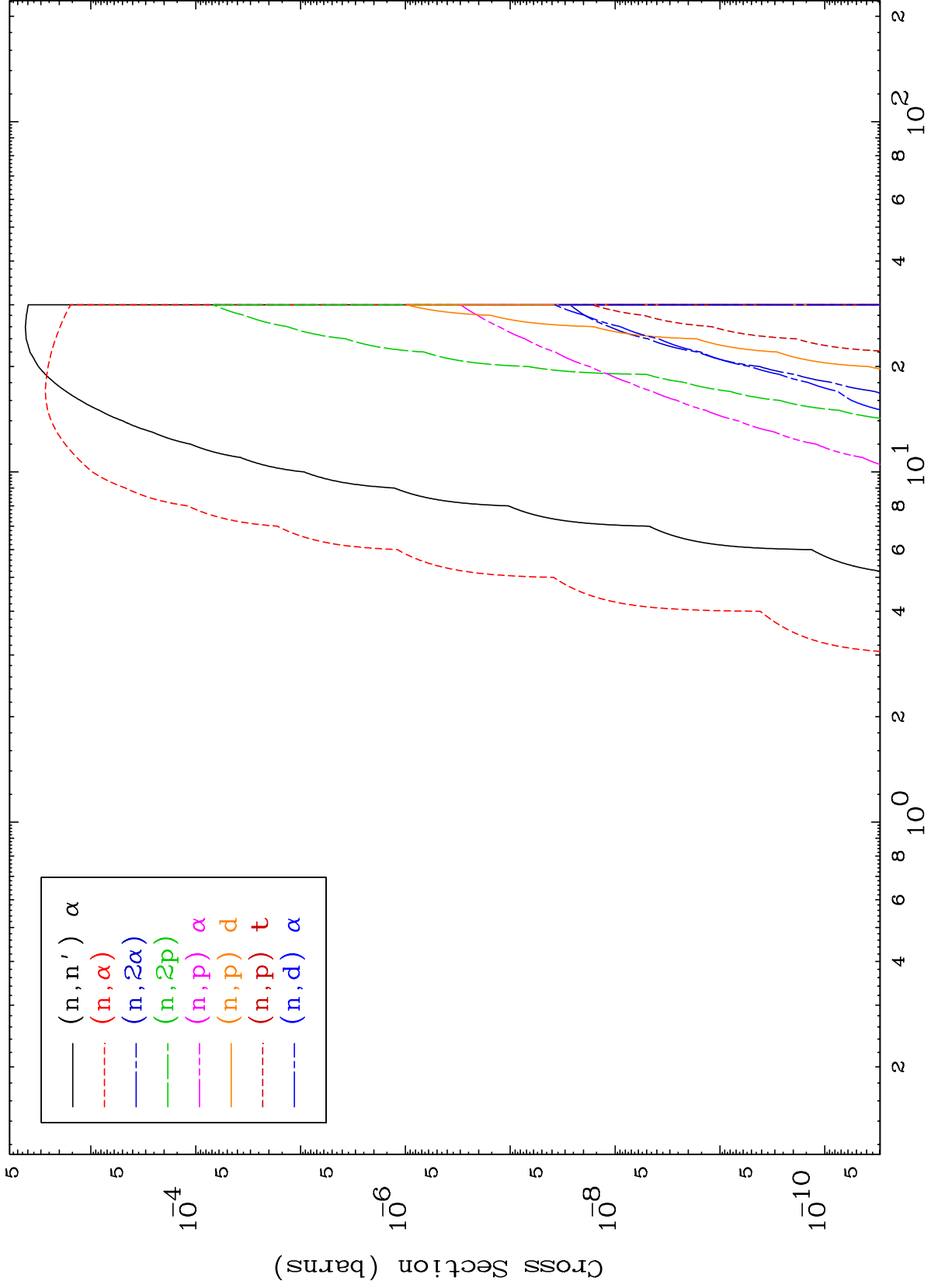
<sup>72</sup>Hf-180m



MAT 7244

Deuteron Charged Particle  
0 Kelvin Cross Sections

72-Hf-180m

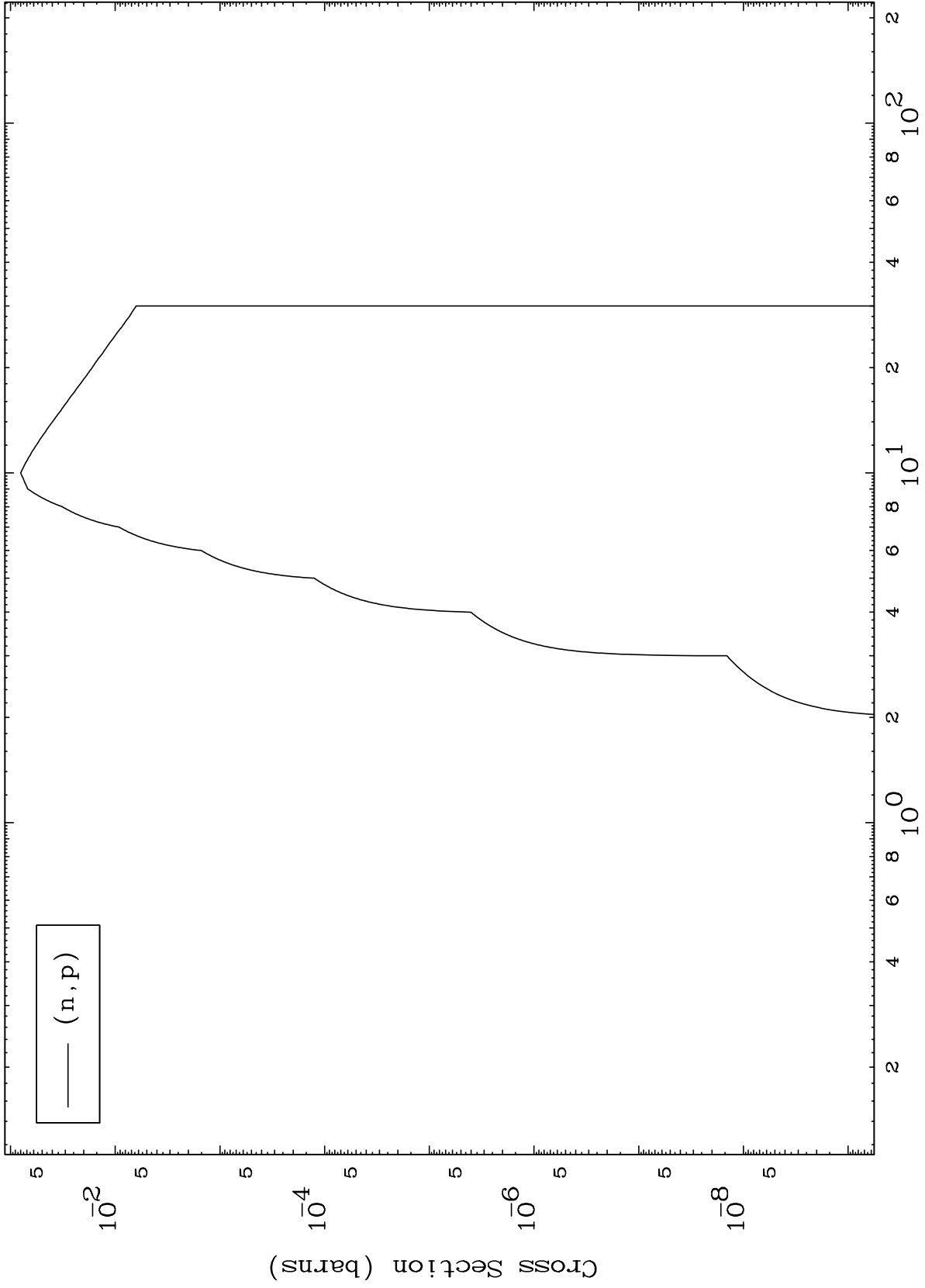




MAT 7244

(d,p) Levels  
0 Kelvin Cross Sections

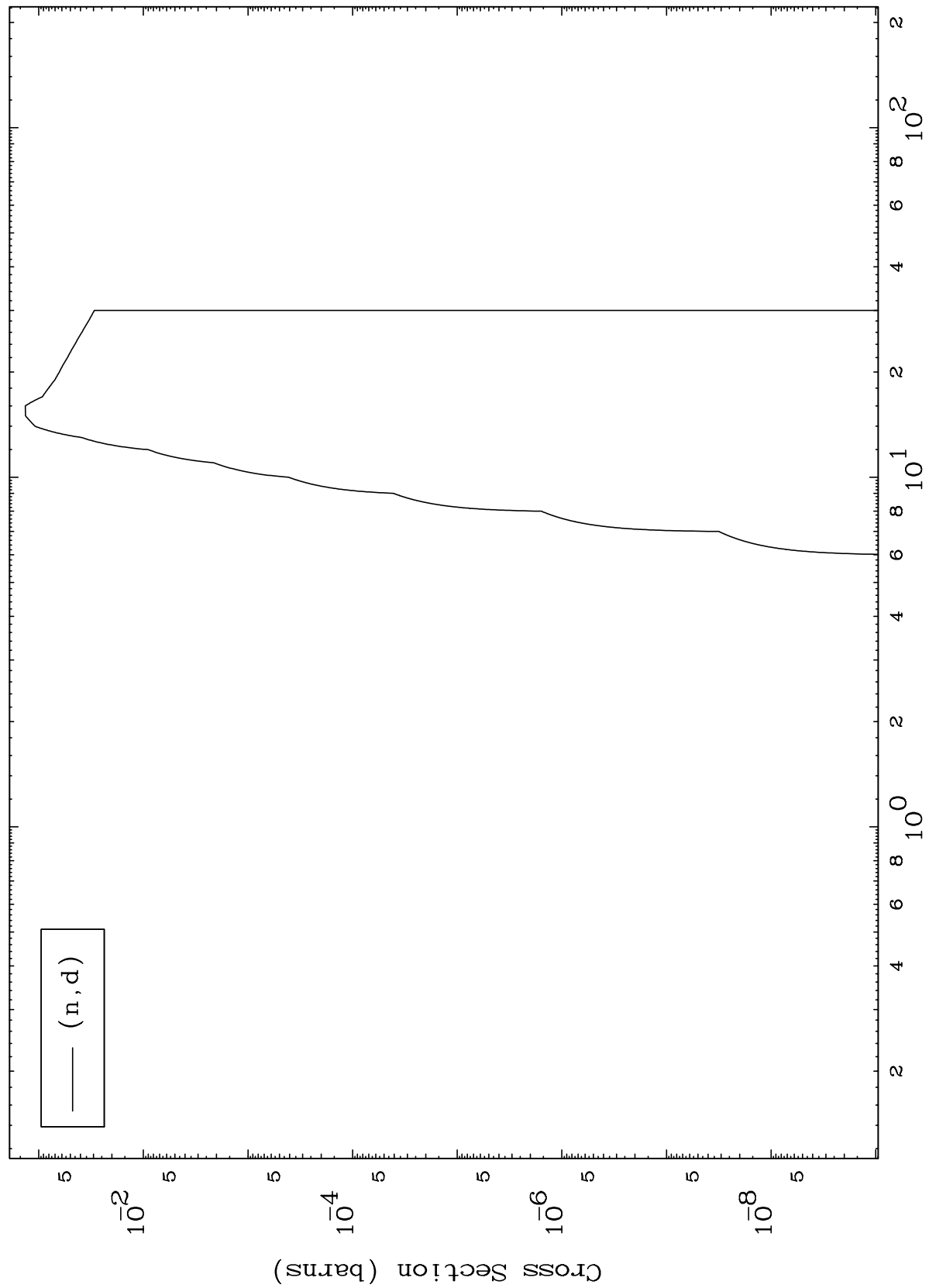
72-Hf-180m



MAT 7244

72-Hf-180m

(d,d) Levels  
0 Kelvin Cross Sections

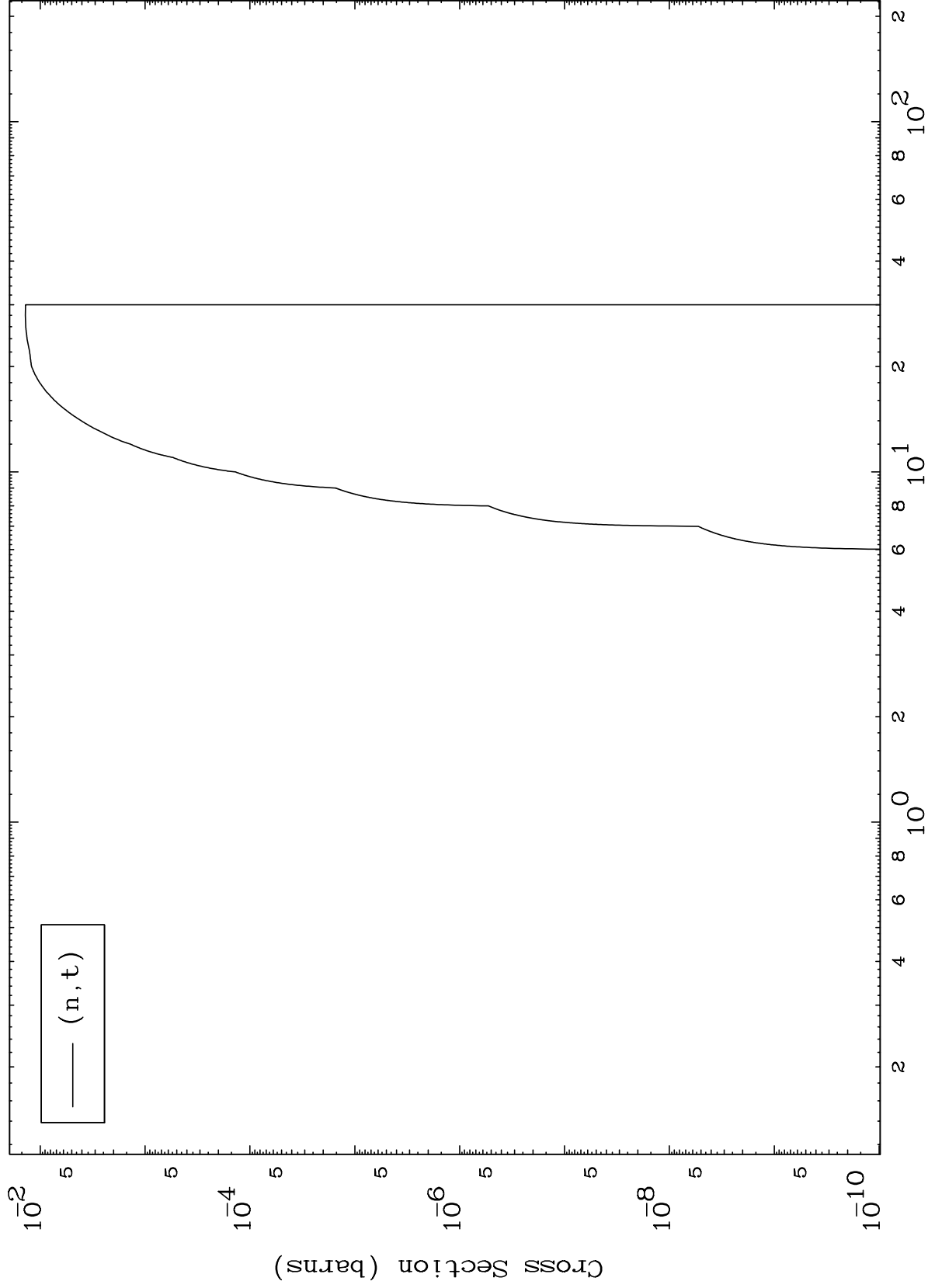


MAT 7244

(d, t) Levels

<sup>72</sup>Hf-180m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

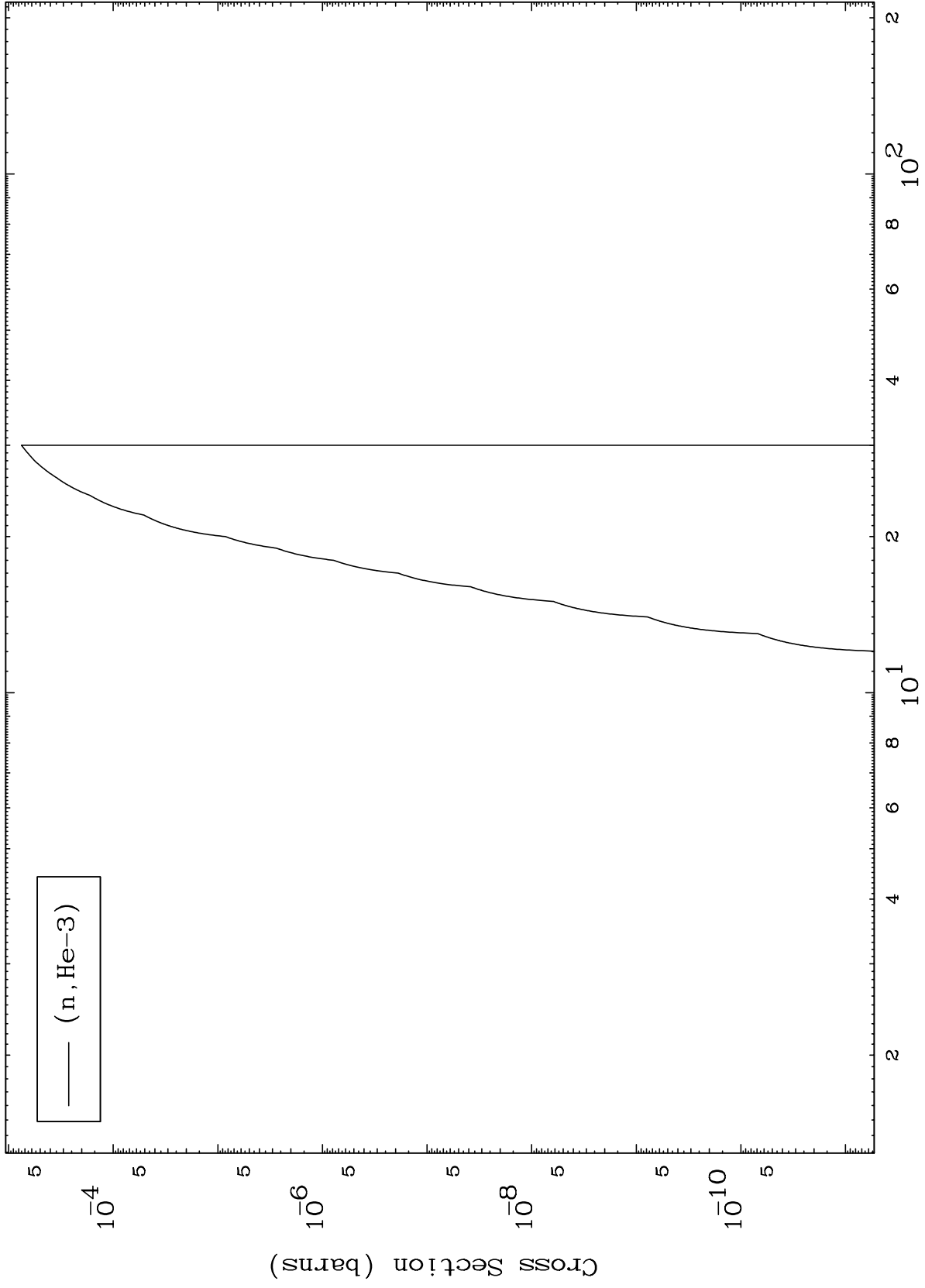
<sup>72</sup>Hf-180m

MAT 7244

(d,He3) Levels

72-Hf-180m

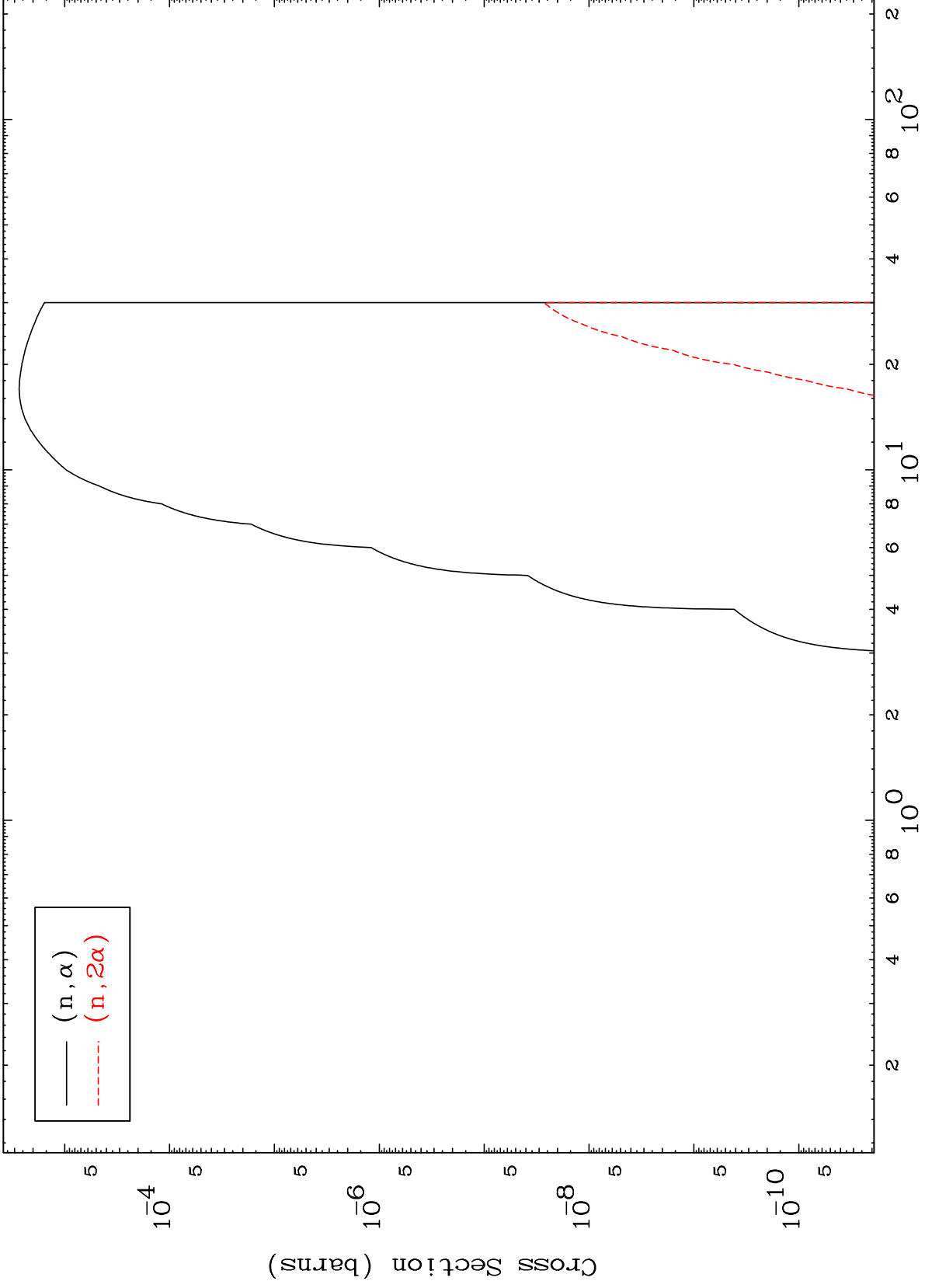
0 Kelvin Cross Sections



MAT 7244

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

<sup>72</sup>Hf-180m



12

Incident Energy (MeV)

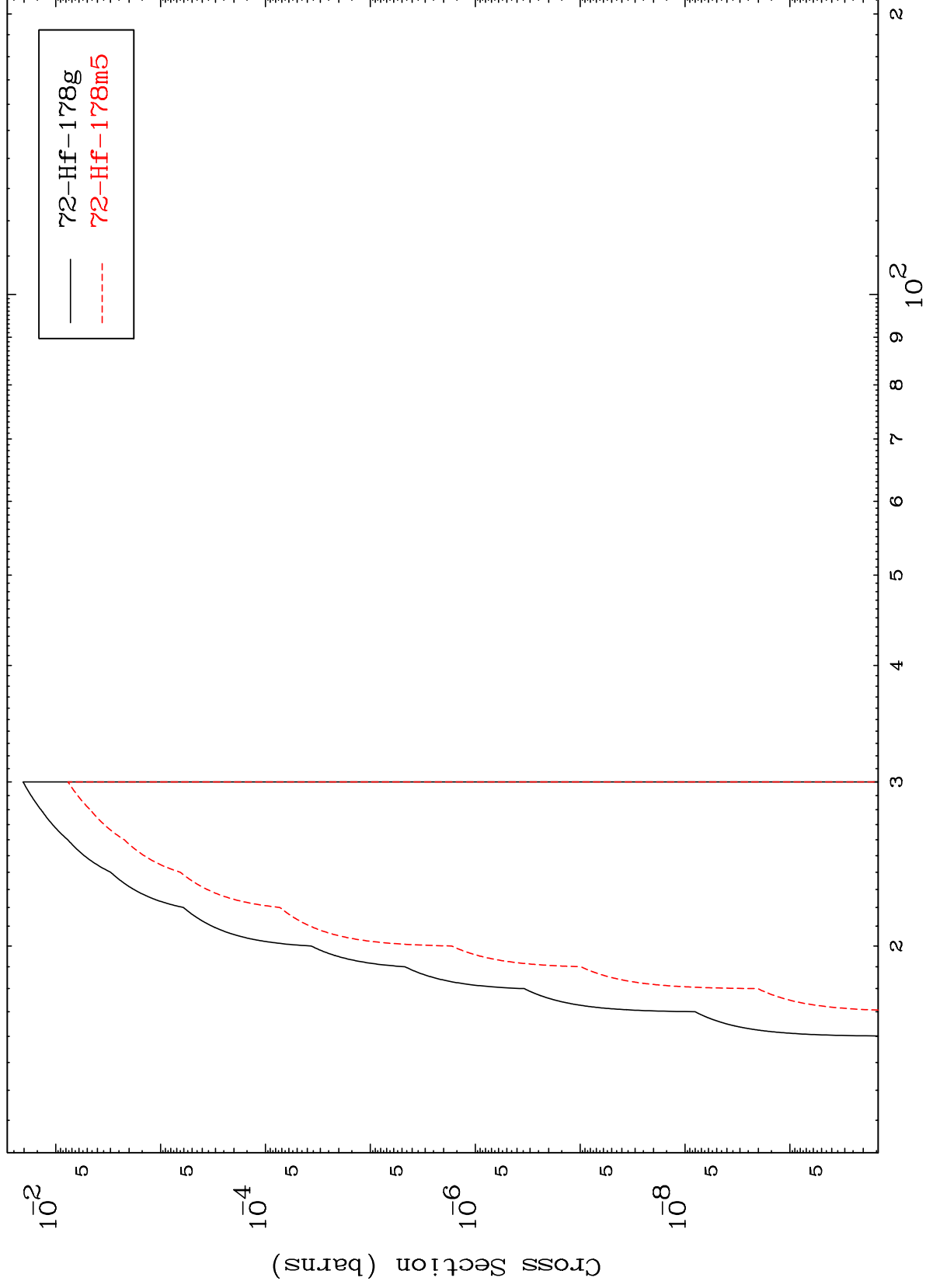
<sup>72</sup>Hf-180m

MAT 7244

(n,2n) d

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section



13

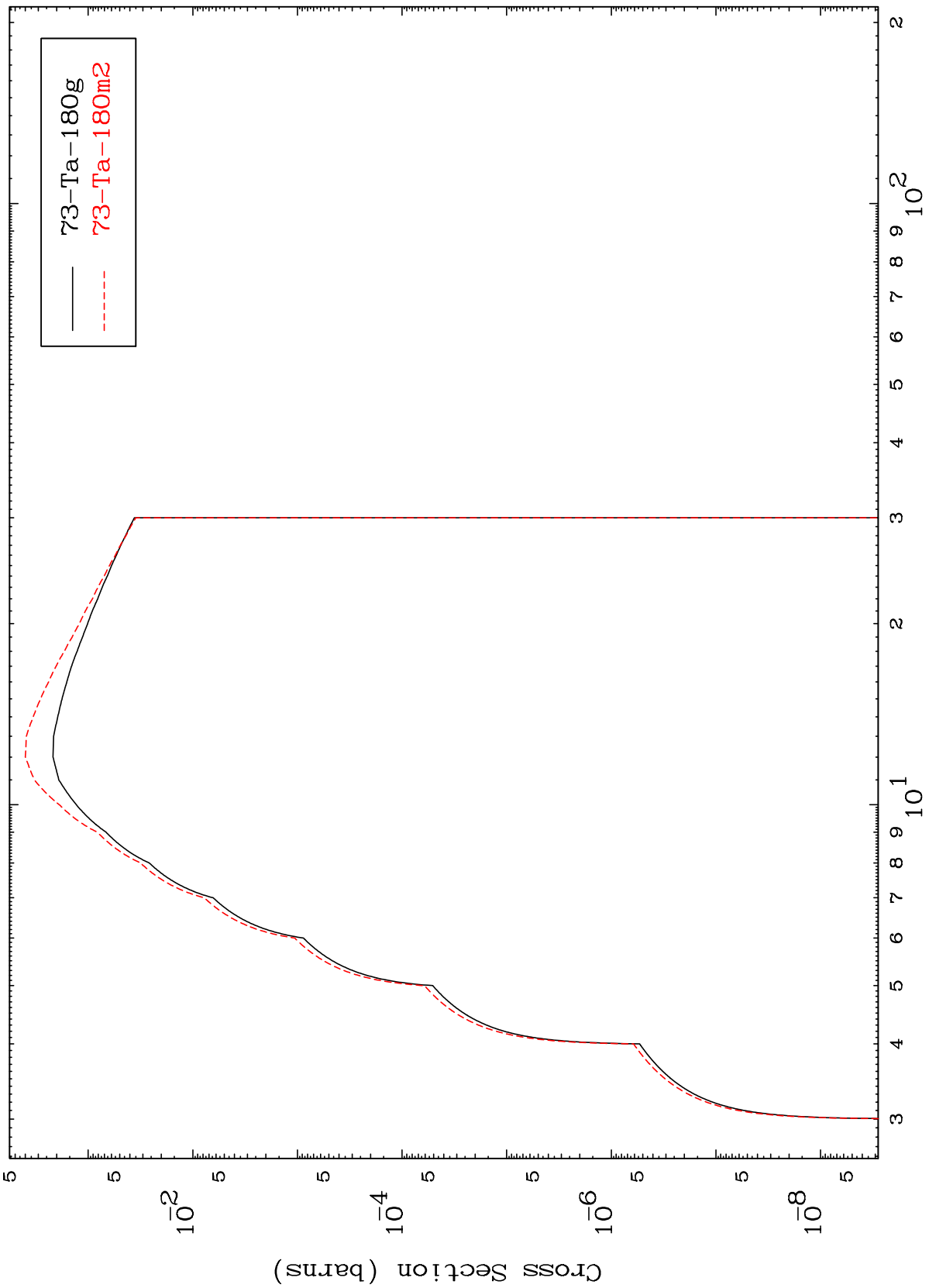
Incident Energy (MeV)

<sup>72</sup>Hf-180m

MAT 7244

72-Hf-180m

(n,2n)  
Radionuclide Production Cross Section



14

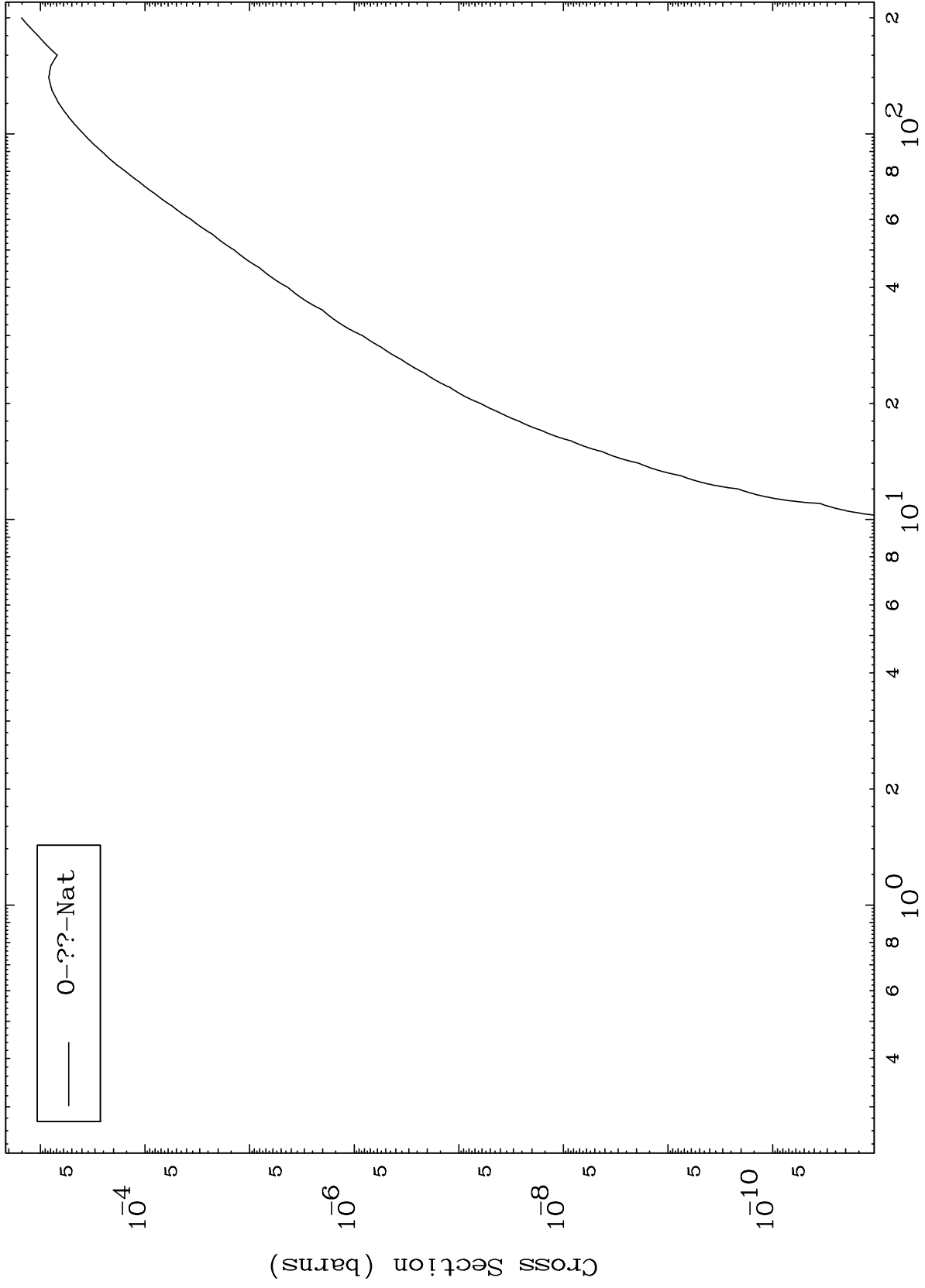
Incident Energy (MeV)

72-Hf-180m

MAT 7244

Fission  
Radionuclide Production Cross Section

<sup>72</sup>Hf-180m



<sup>72</sup>Hf-180m

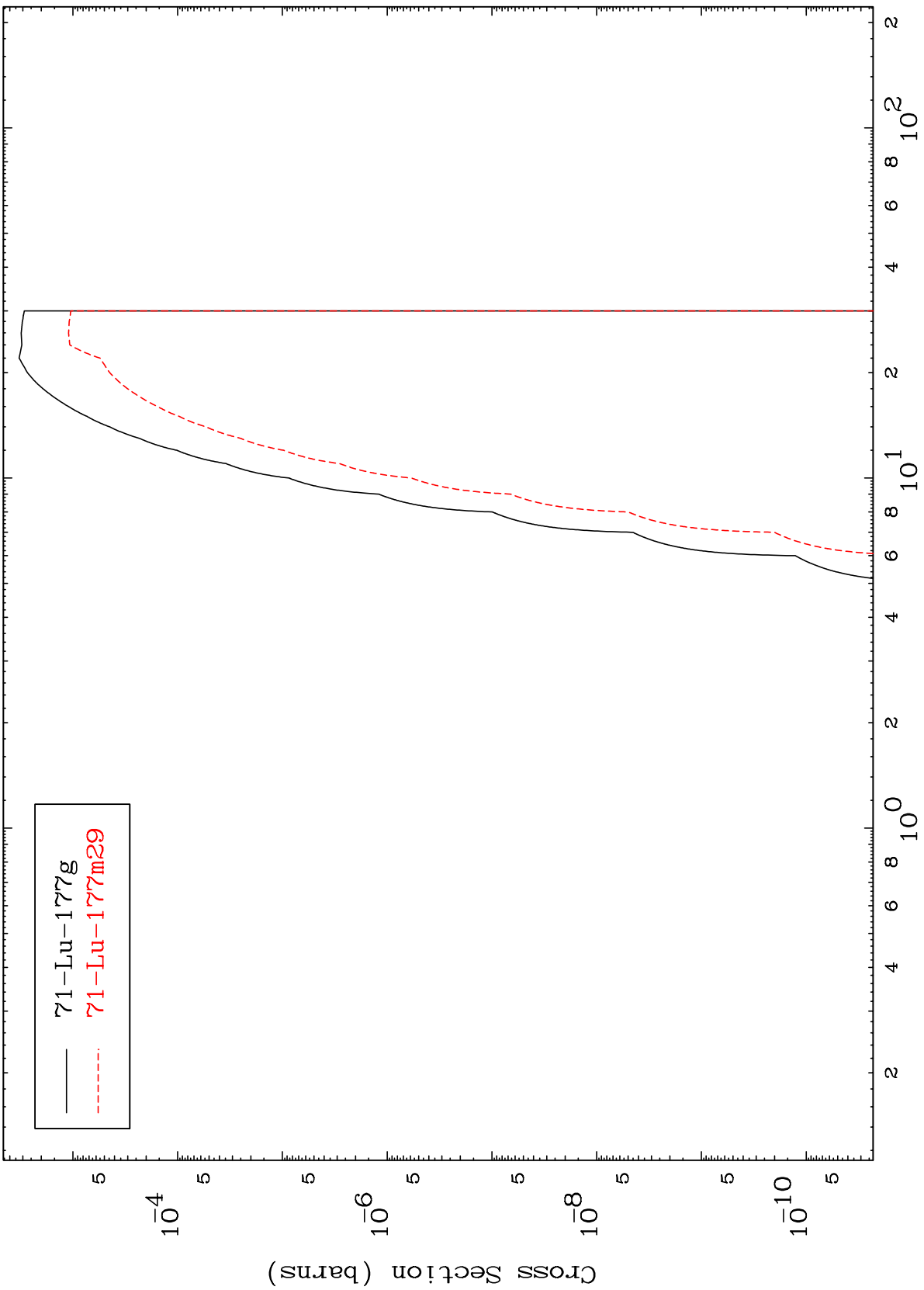


MAT 7244

$(n, n') \alpha$

$^{72}\text{Hf}-180\text{m}$

Radionuclide Production Cross Section

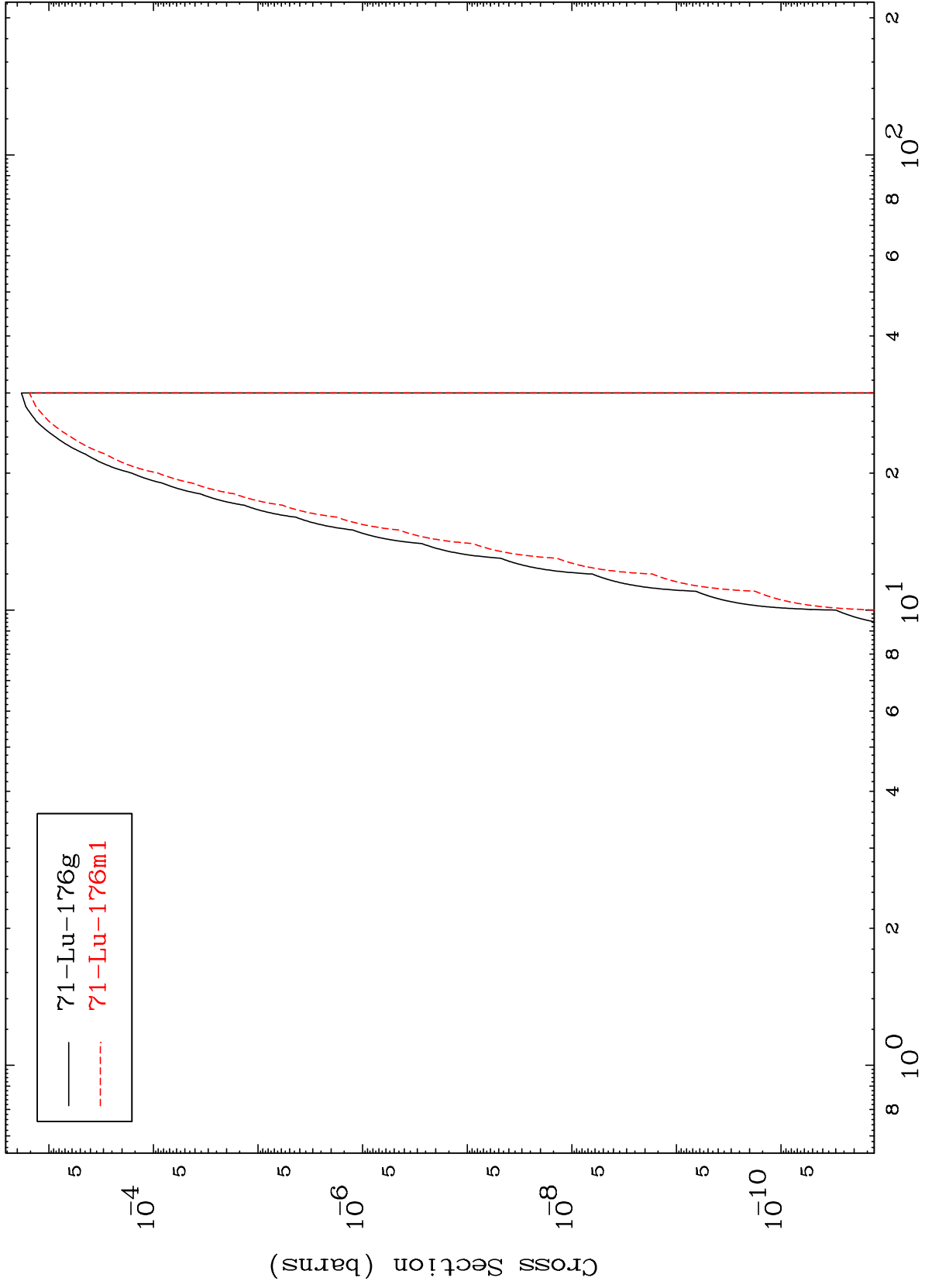


MAT 7244

$(n,2n) \alpha$

$^{72}\text{Hf}-180\text{m}$

Radionuclide Production Cross Section



17

Incident Energy (MeV)

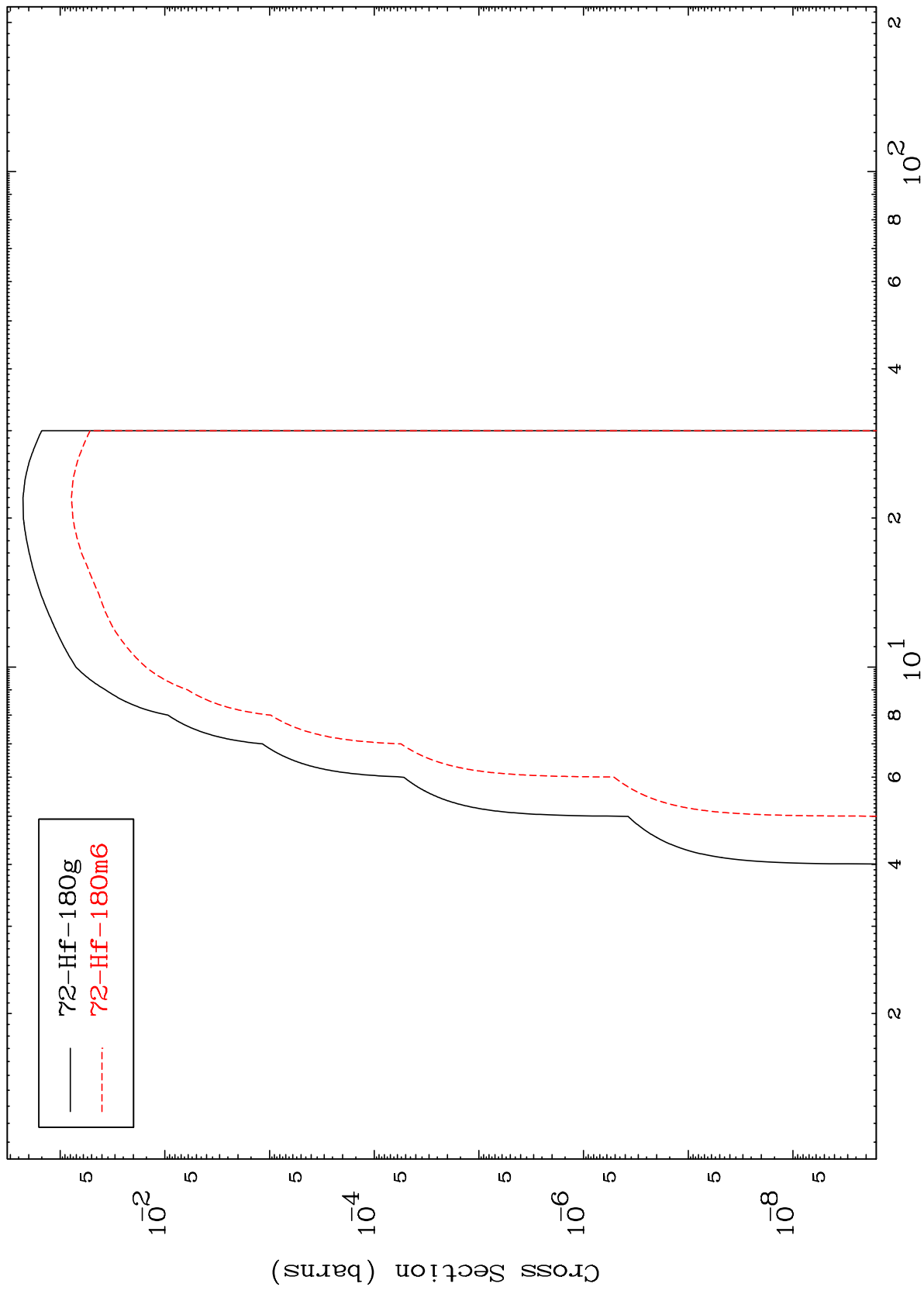
$^{72}\text{Hf}-180\text{m}$

MAT 7244

(n,n') p

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section

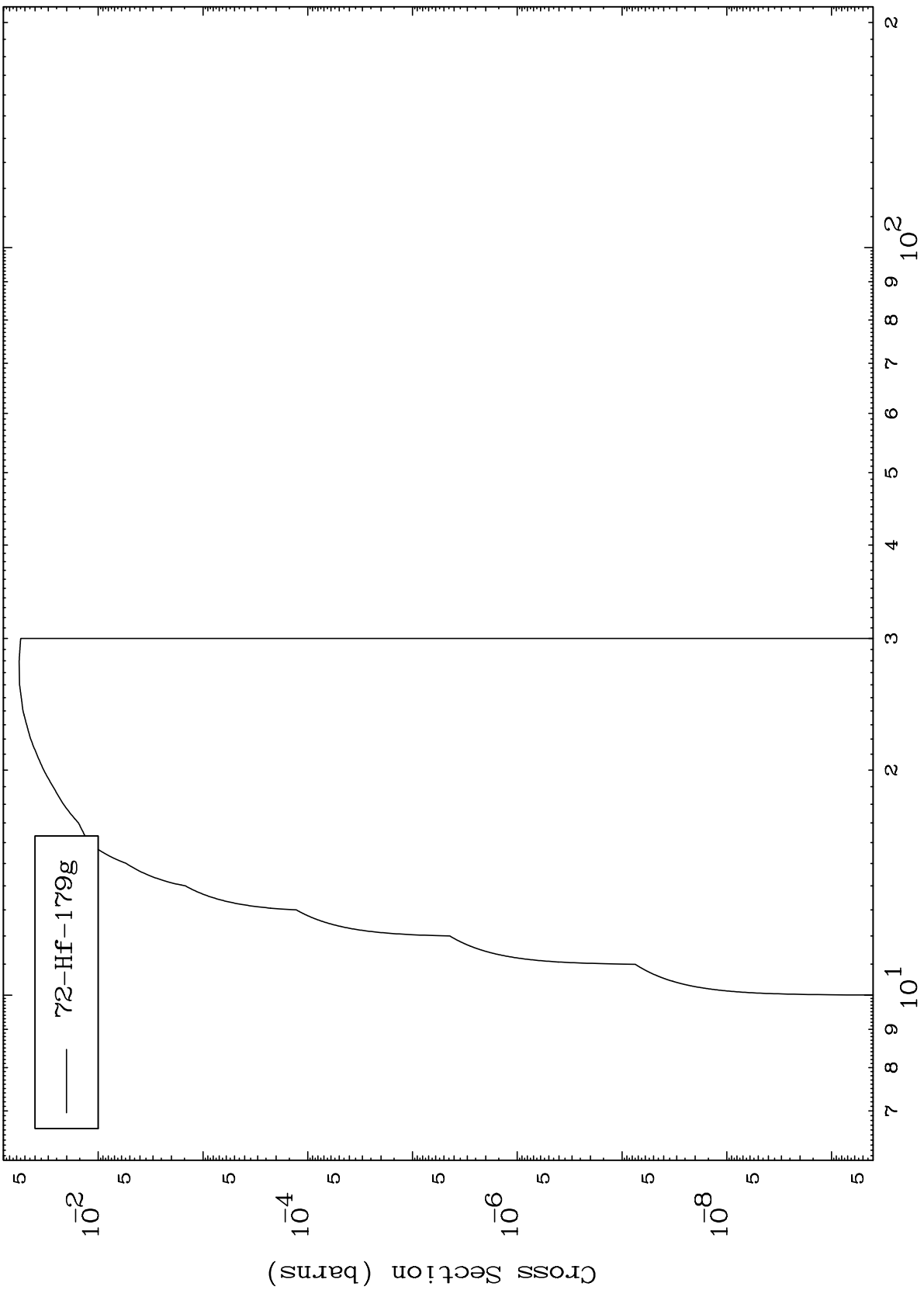


MAT 7244

(n,n') d

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

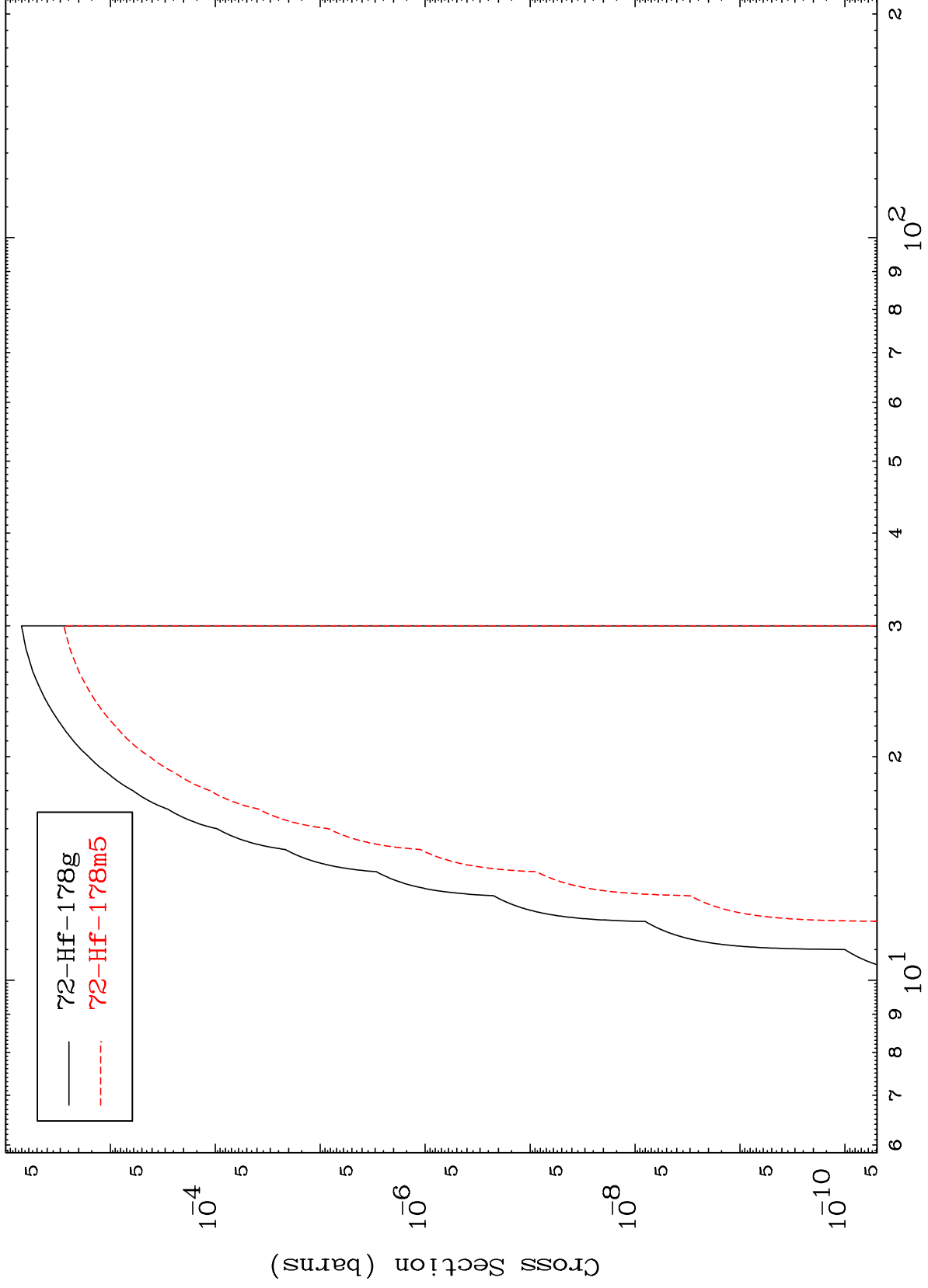
<sup>72</sup>Hf-180m

MAT 7244

(n,n') t

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

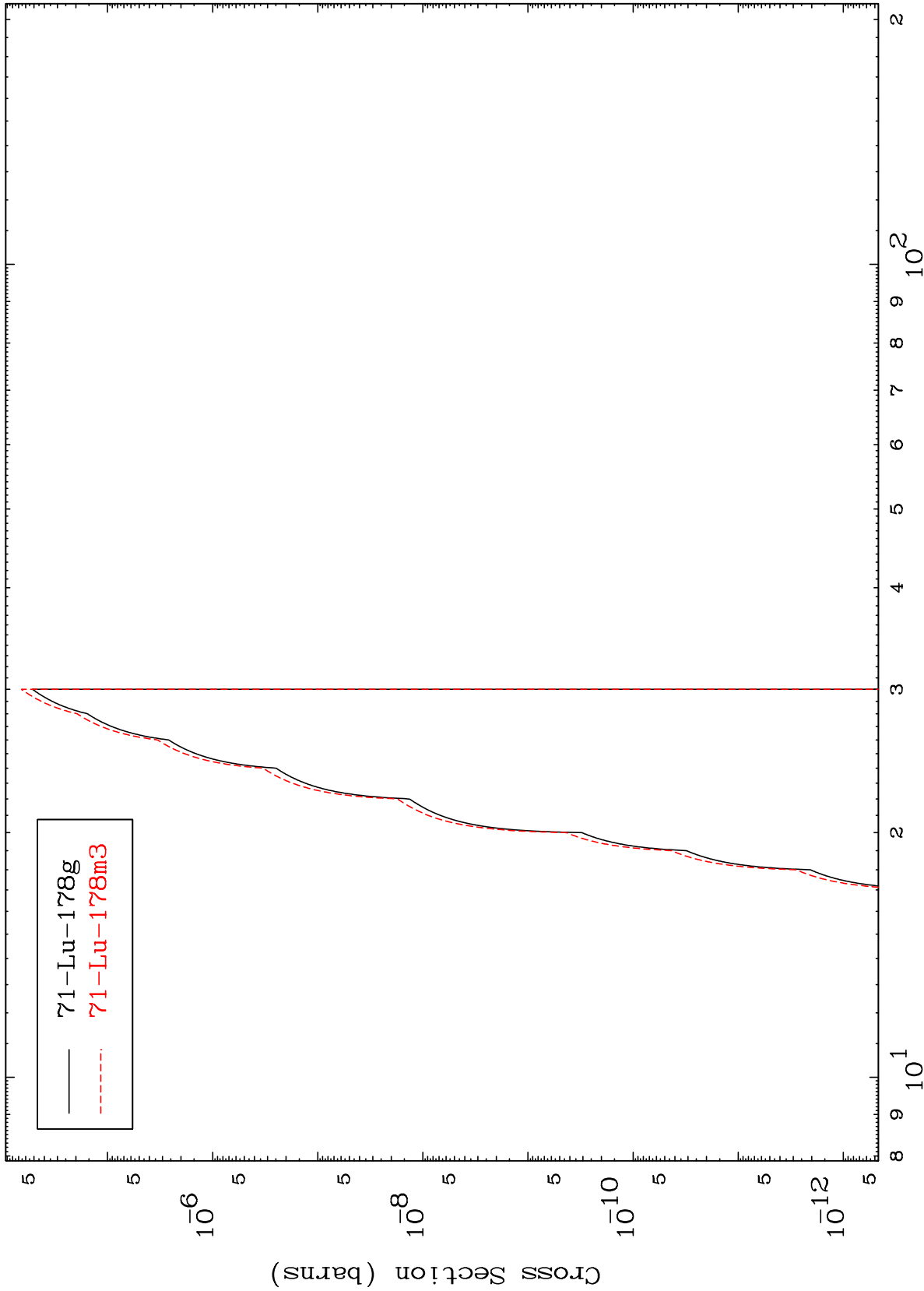
<sup>72</sup>Hf-180m

MAT 7244

(n,n') He-3

72-Hf-180m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

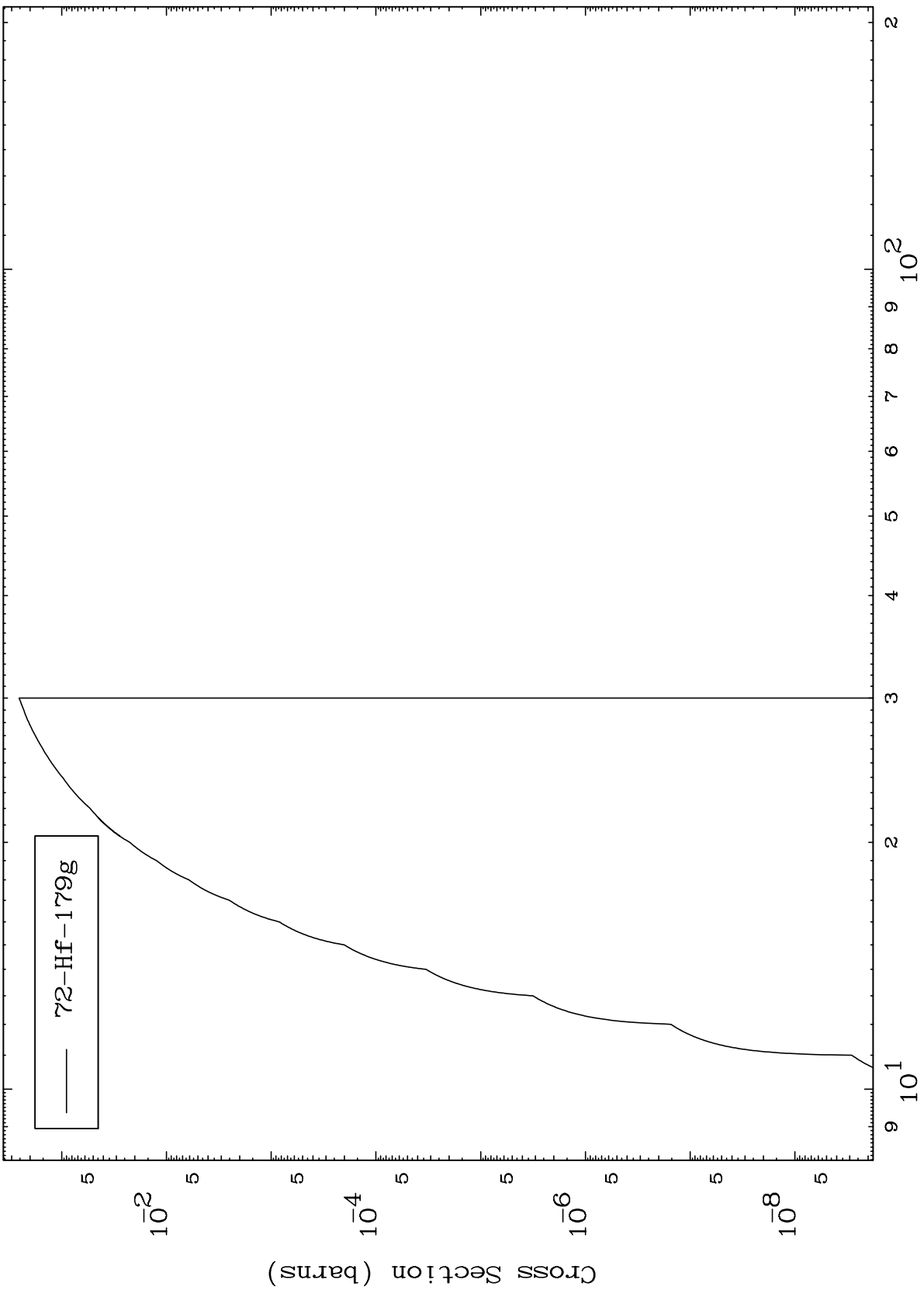
72-Hf-180m

MAT 7244

(n,2n) p

72-Hf-180m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

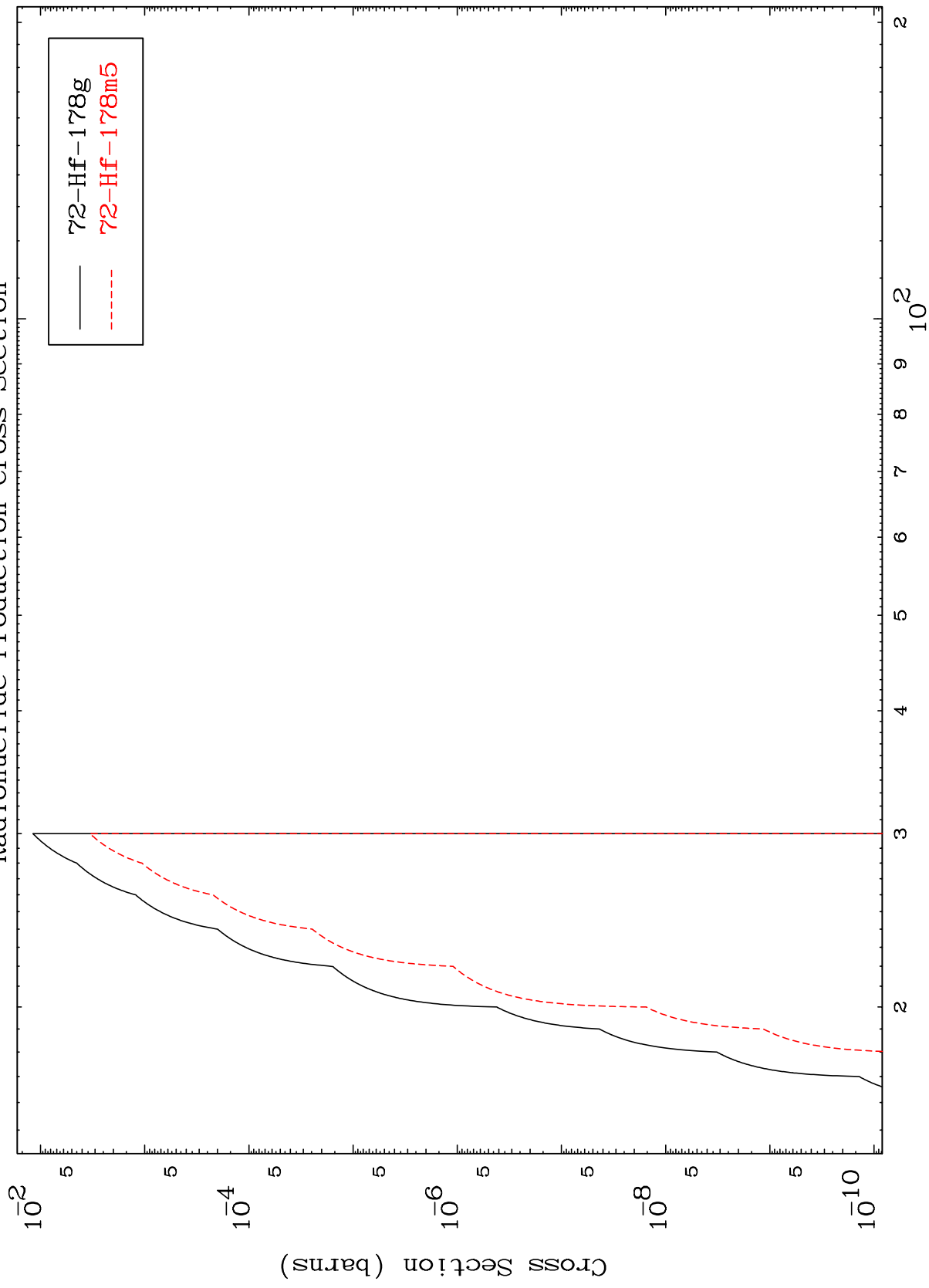
72-Hf-180m

MAT 7244

(n,3n) p

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

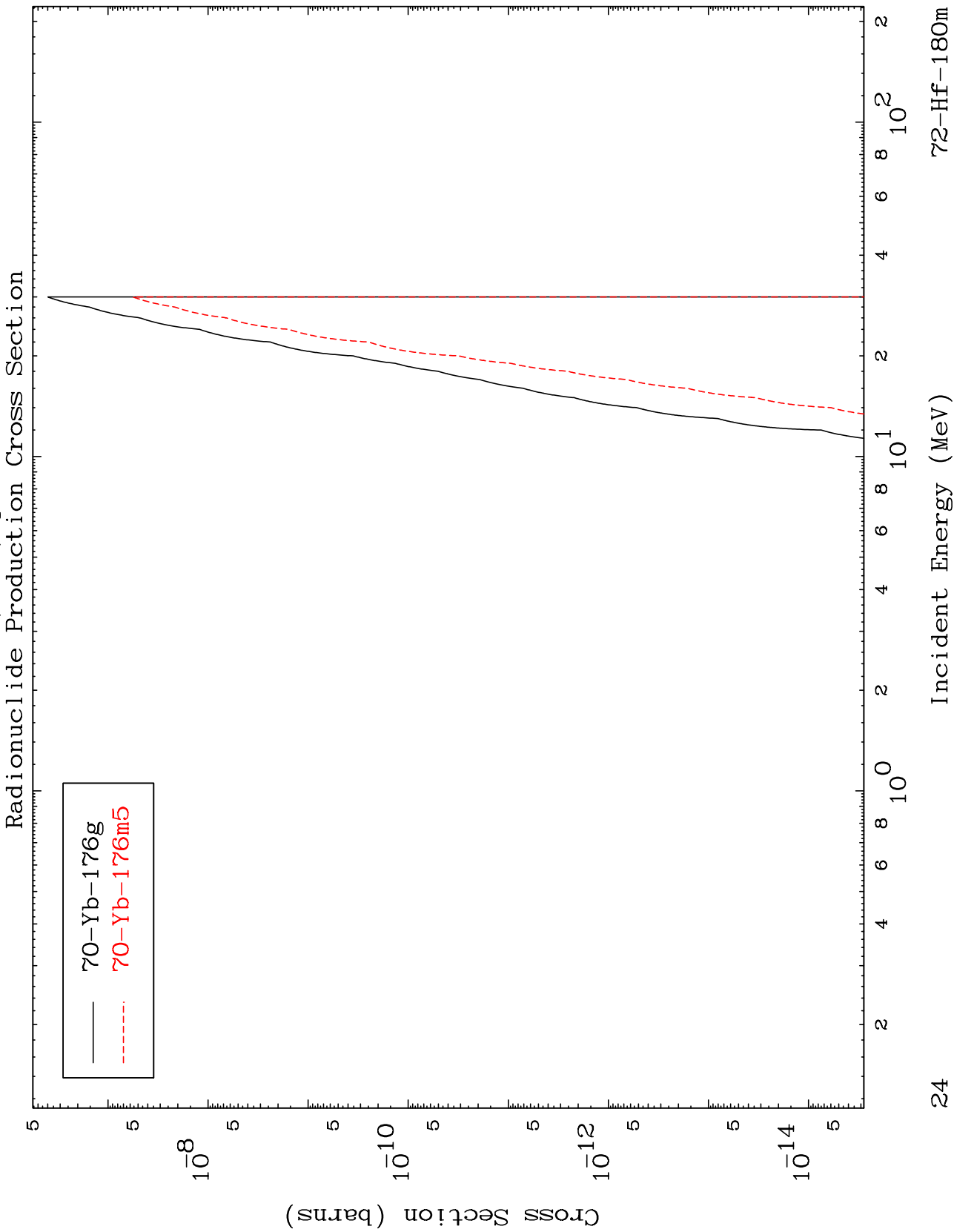
<sup>72</sup>Hf-180m



MAT 7244

(n,n') p  $\alpha$

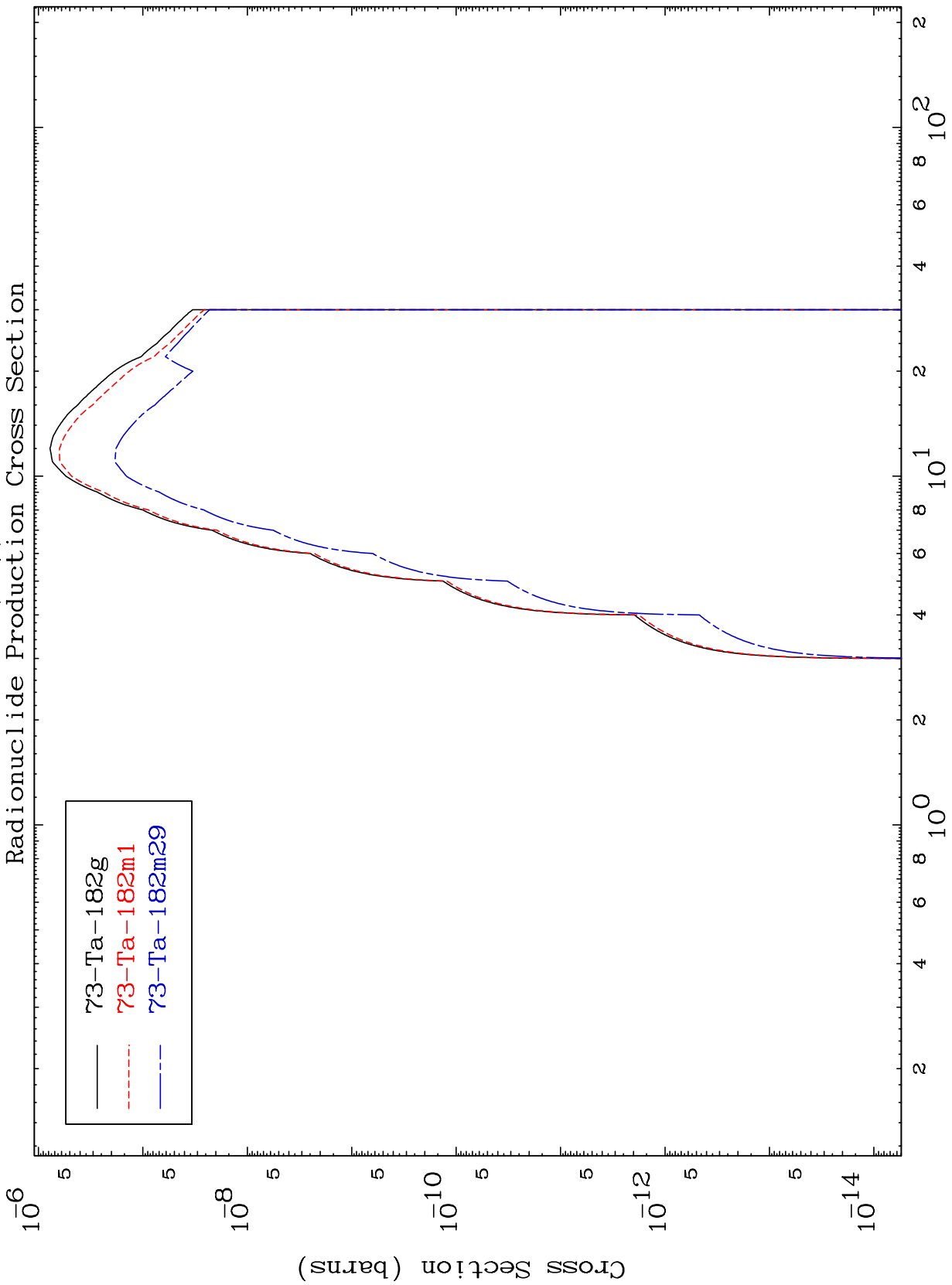
72-Hf-180m



MAT 7244

72-Hf-180m

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



73-Ta-182g  
73-Ta-182m1  
73-Ta-182m29

72-Hf-180m

Incident Energy (MeV)

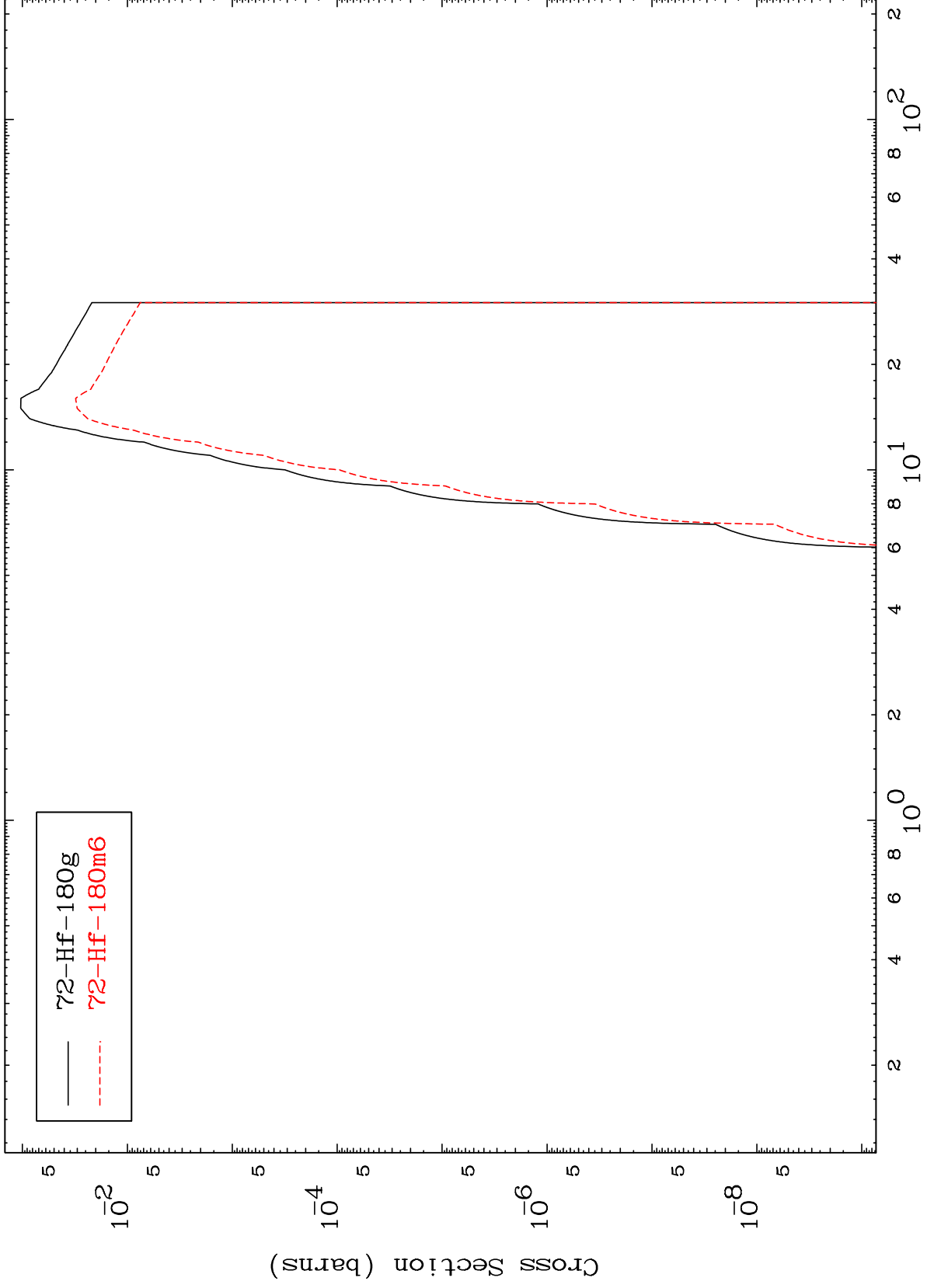
25

MAT 7244

(n, d)

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section



26

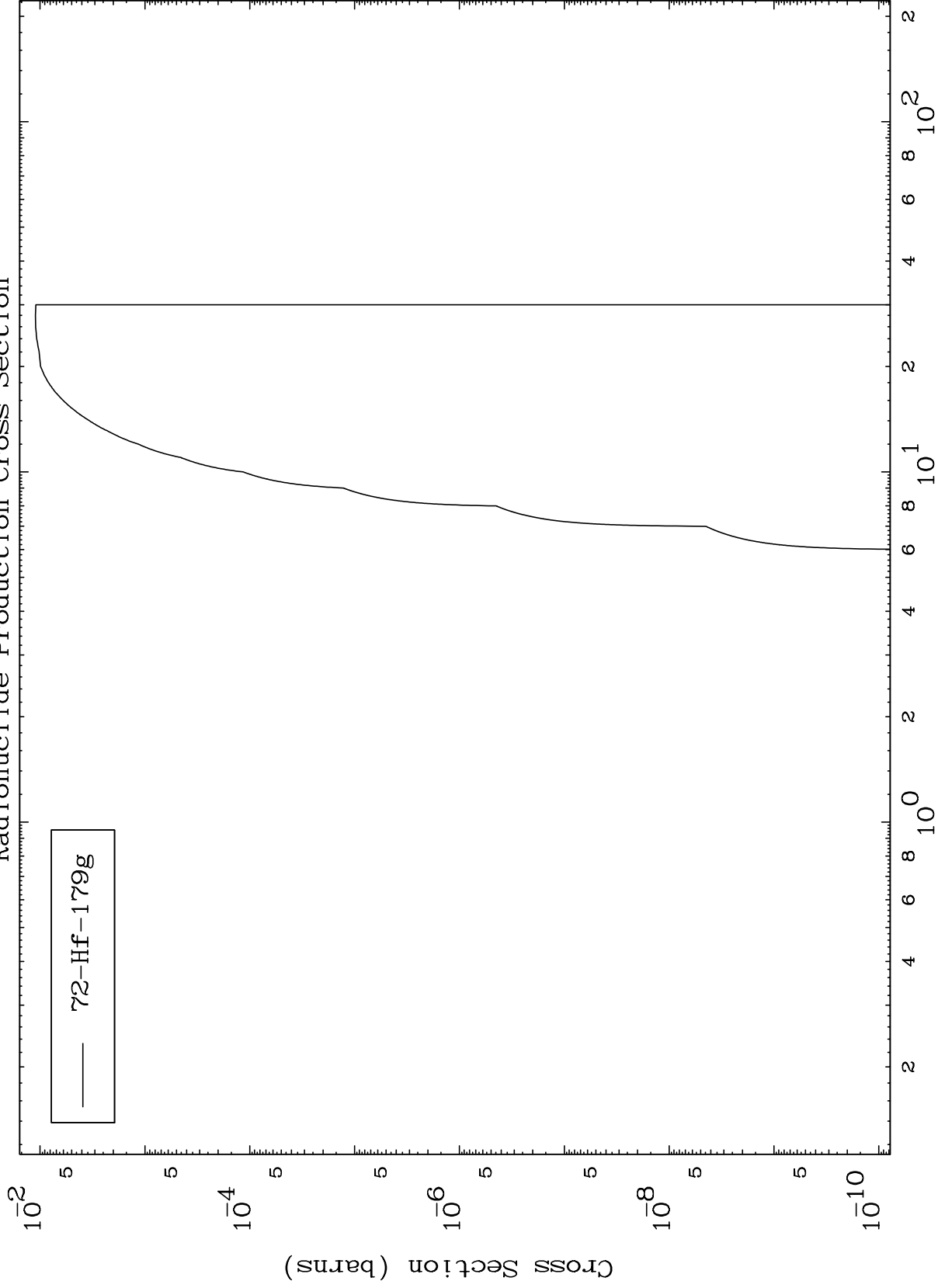
Incident Energy (MeV)

<sup>72</sup>Hf-180m

MAT 7244

72-Hf-180m

Radionuclide Production Cross Section



72-Hf-180m

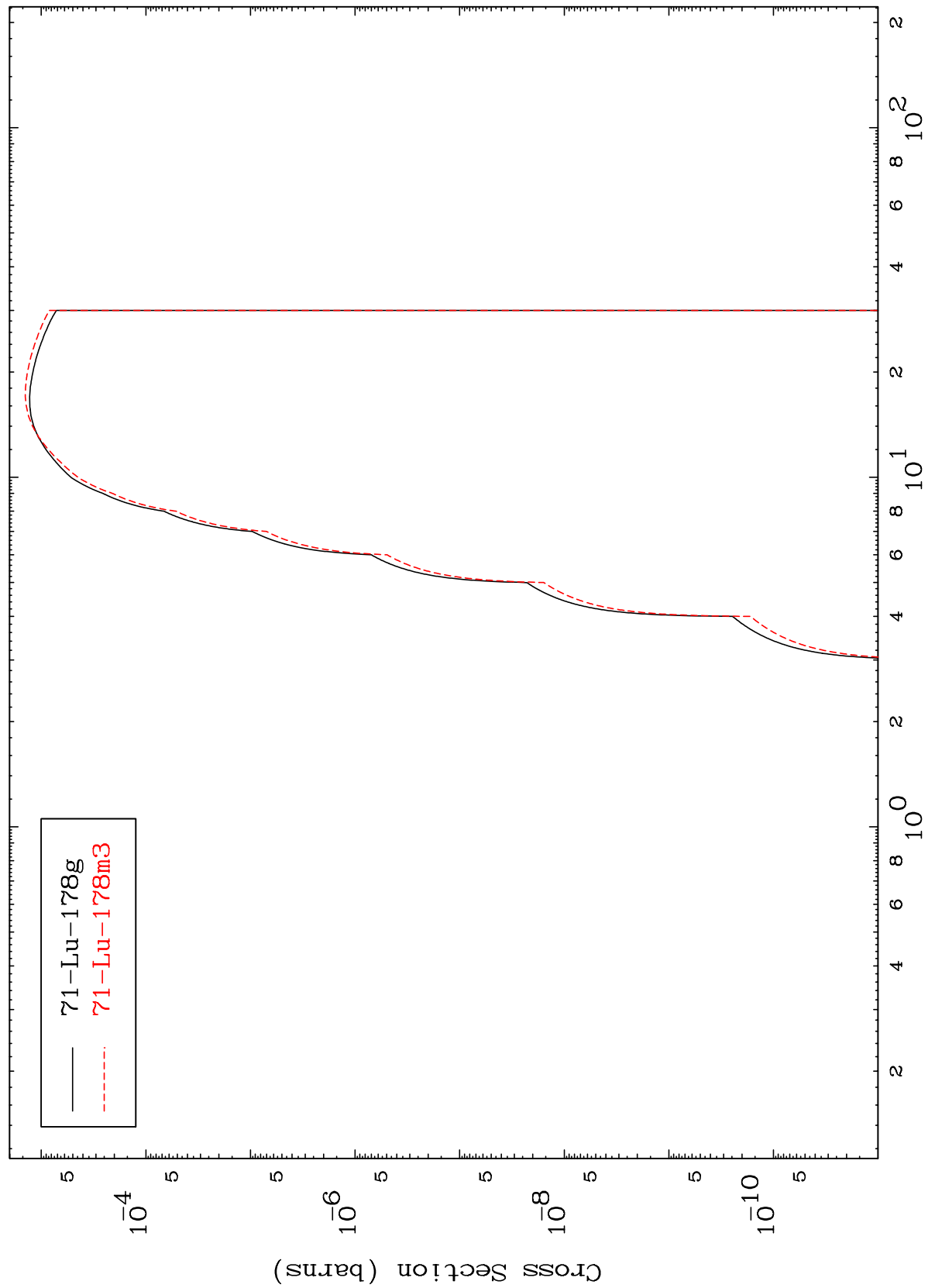
Incident Energy (MeV)

27

MAT 7244

72-Hf-180m

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



72-Hf-180m

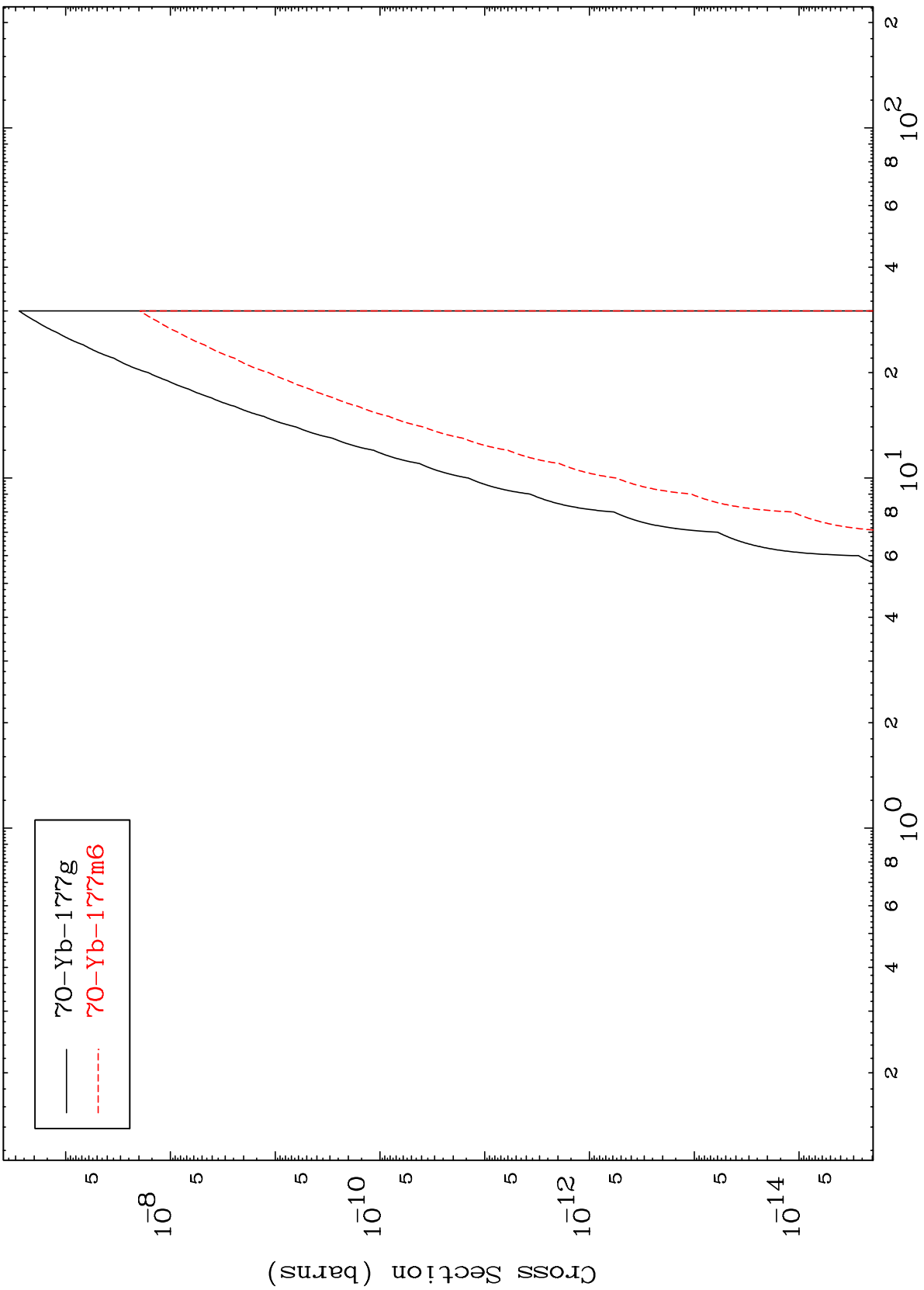
Incident Energy (MeV)

MAT 7244

(n,p)  $\alpha$

$^{72}\text{Hf}-180\text{m}$

Radionuclide Production Cross Section



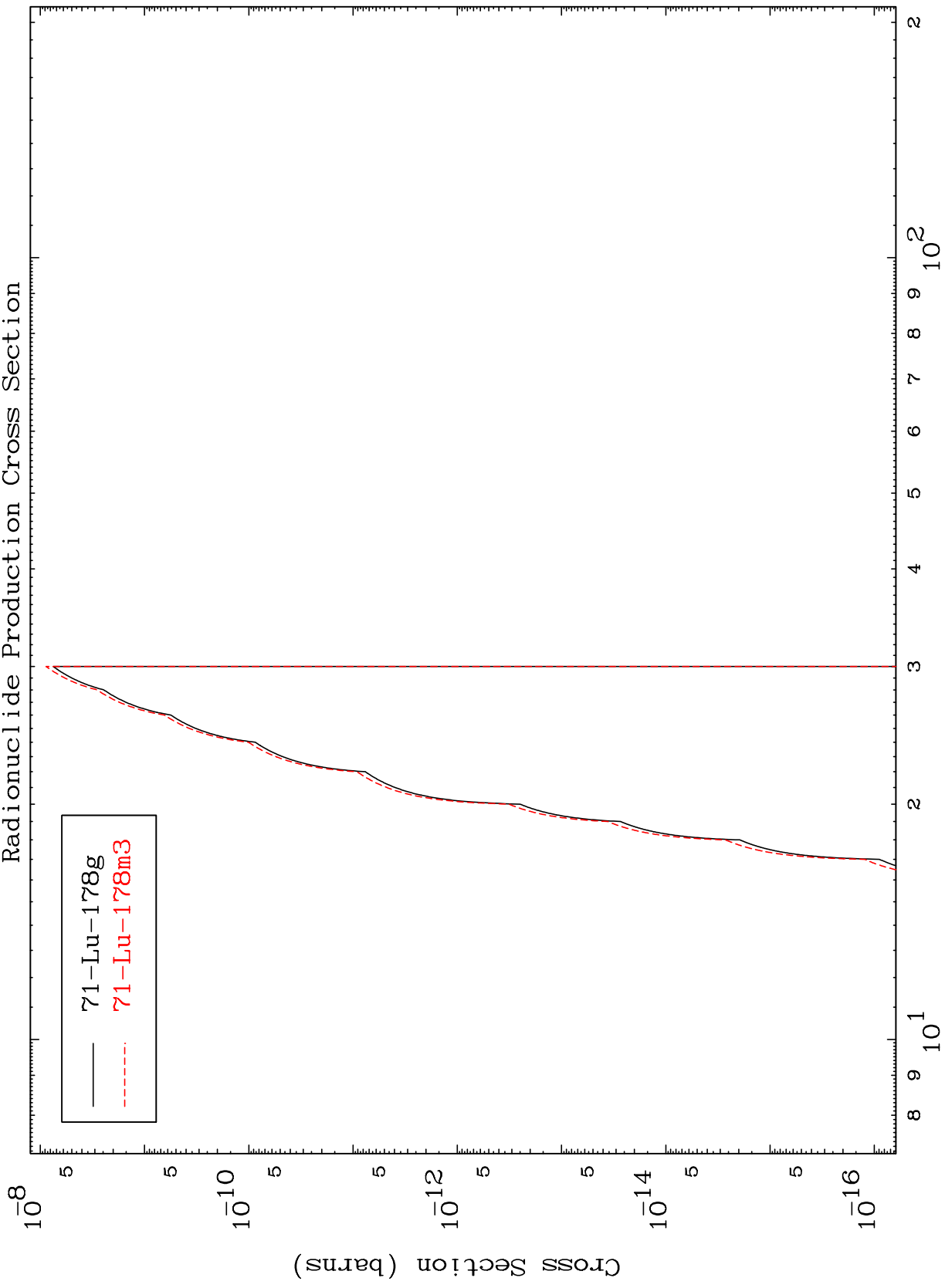
—  $^{70}\text{Yb}-177\text{g}$   
- - -  $^{70}\text{Yb}-177\text{m6}$

MAT 7244

(n,p) t

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>72</sup>Hf-180m

30

MAT 7244

(n,d)  $\alpha$

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section

