

Program EVALPLOT  
(Version 2021-1)

by

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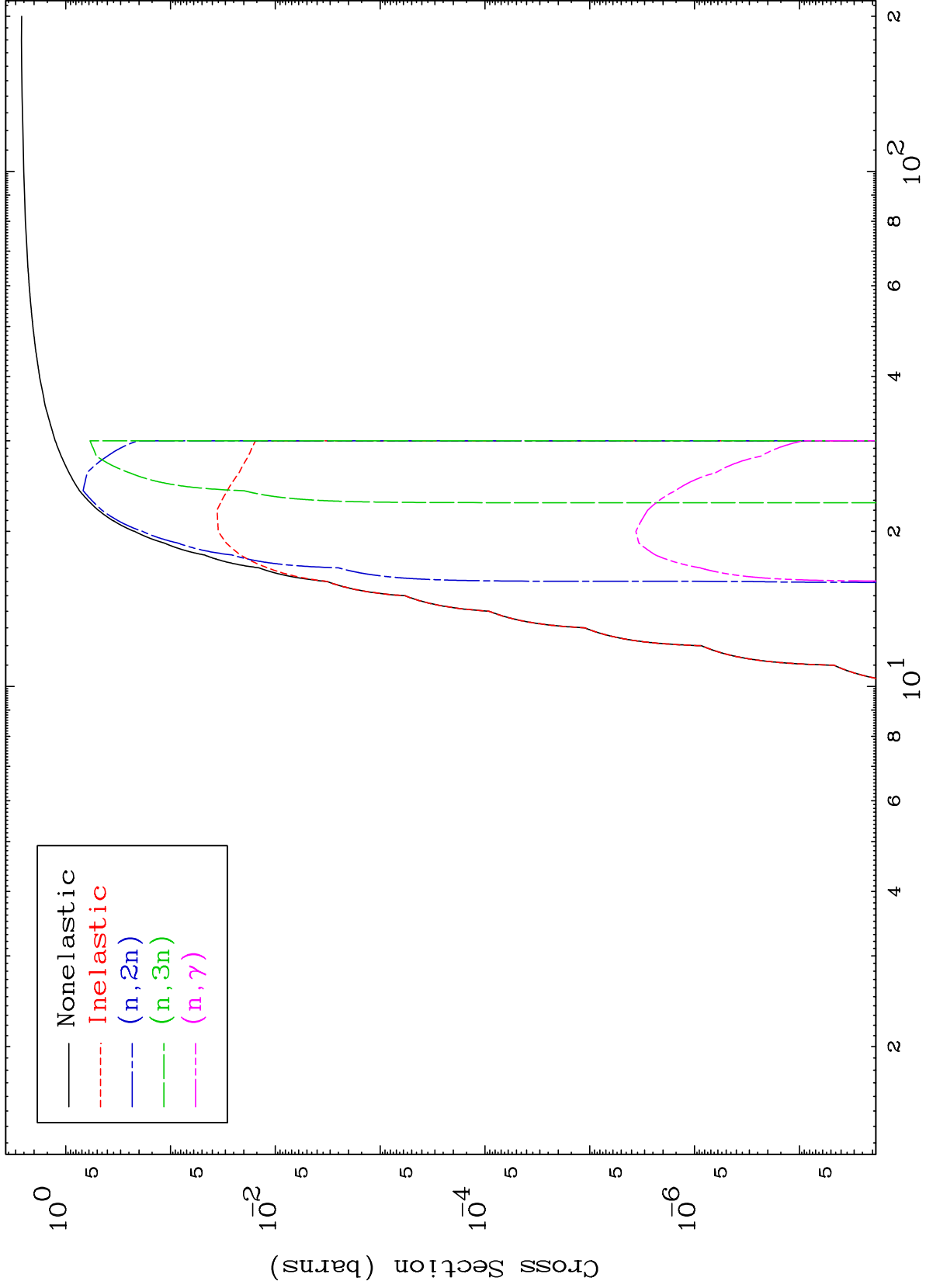
Press Mouse Button to Start

MAT 7241

0 Kelvin

Major Cross Sections

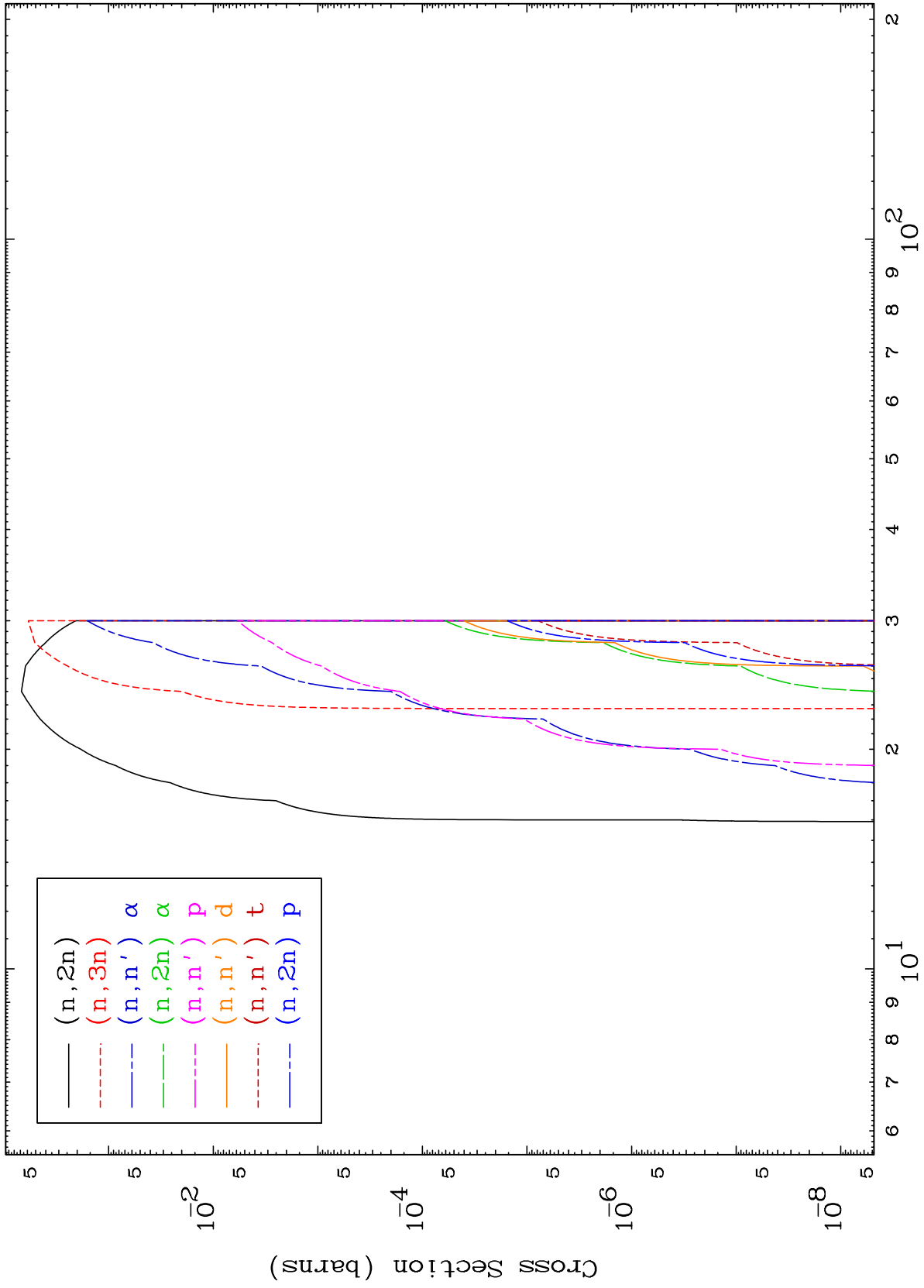
$^{72}\text{Hf}-179\text{m}$



MAT 7241

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

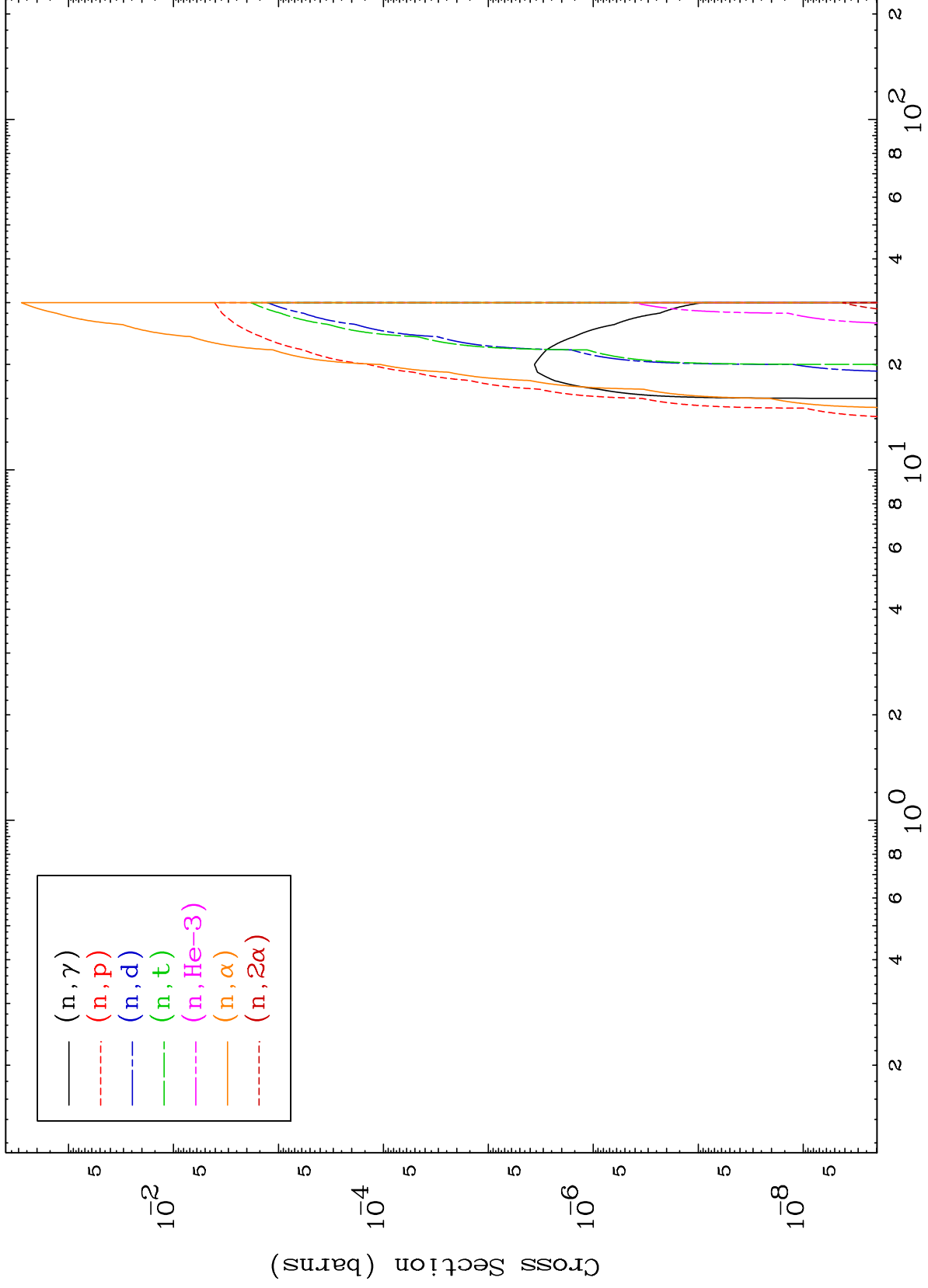
72-Hf-179m



2

Incident Energy (MeV)

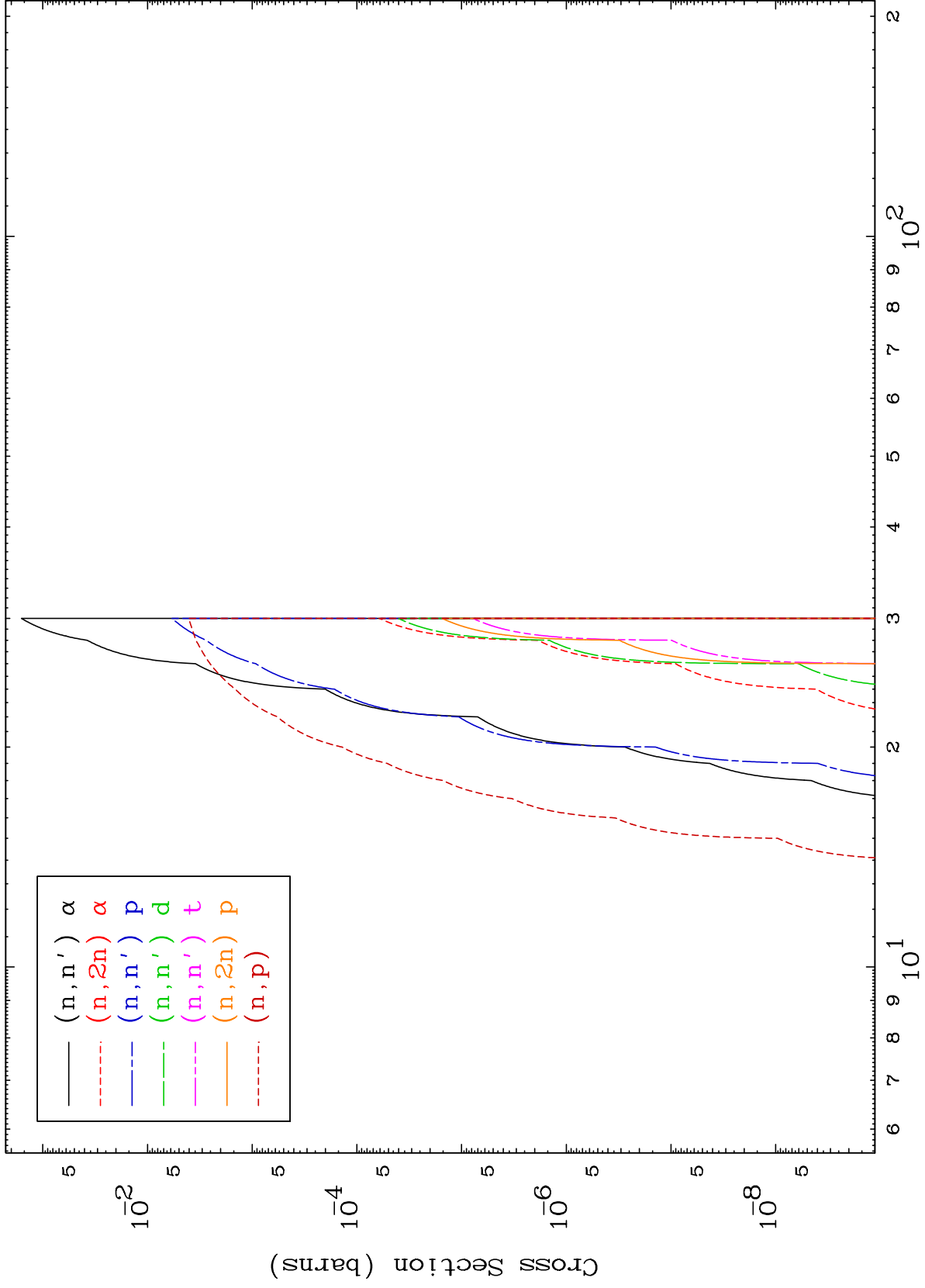
72-Hf-179m



MAT 7241

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

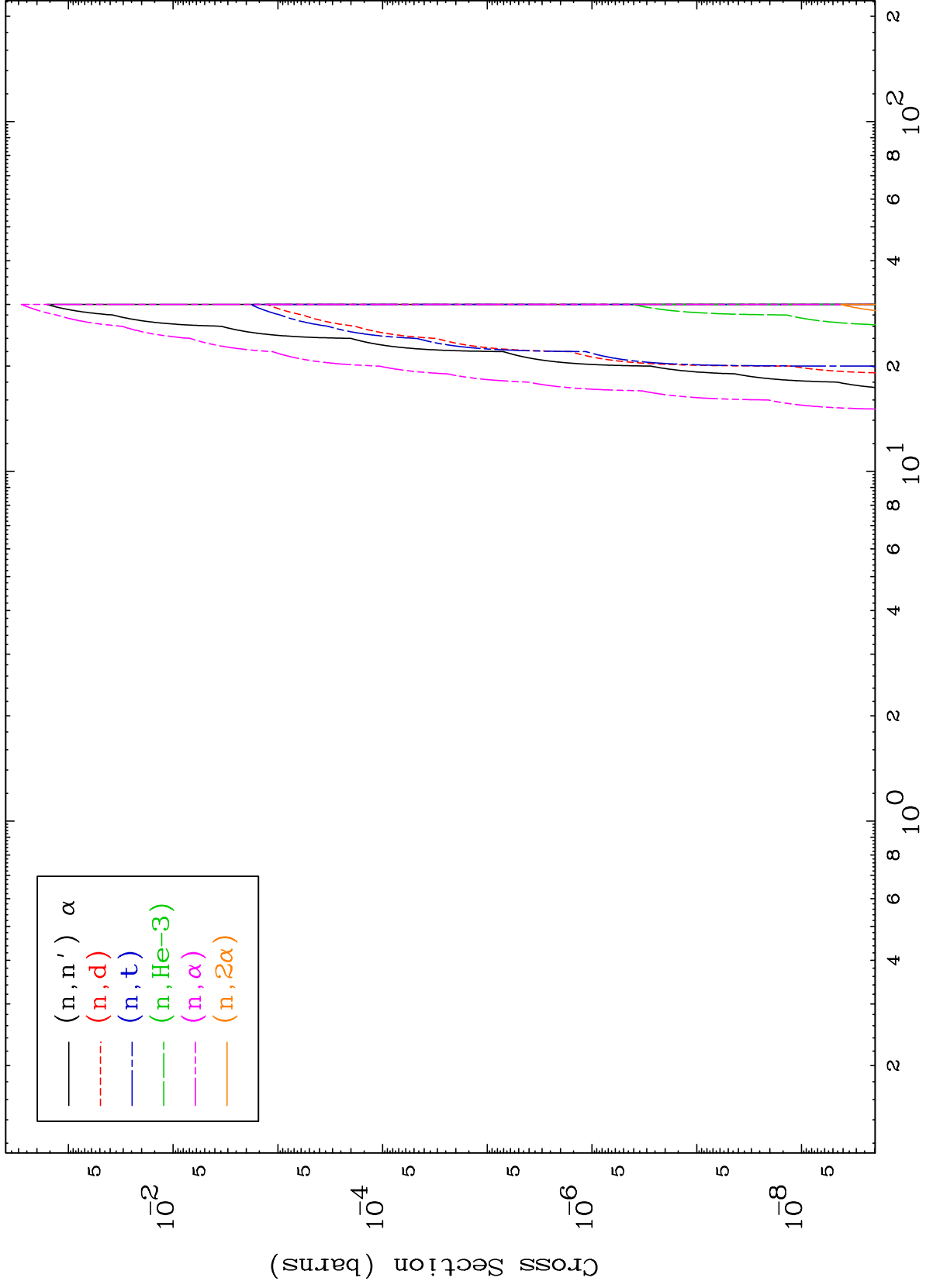
72-Hf-179m



MAT 7241

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

72-Hf-179m

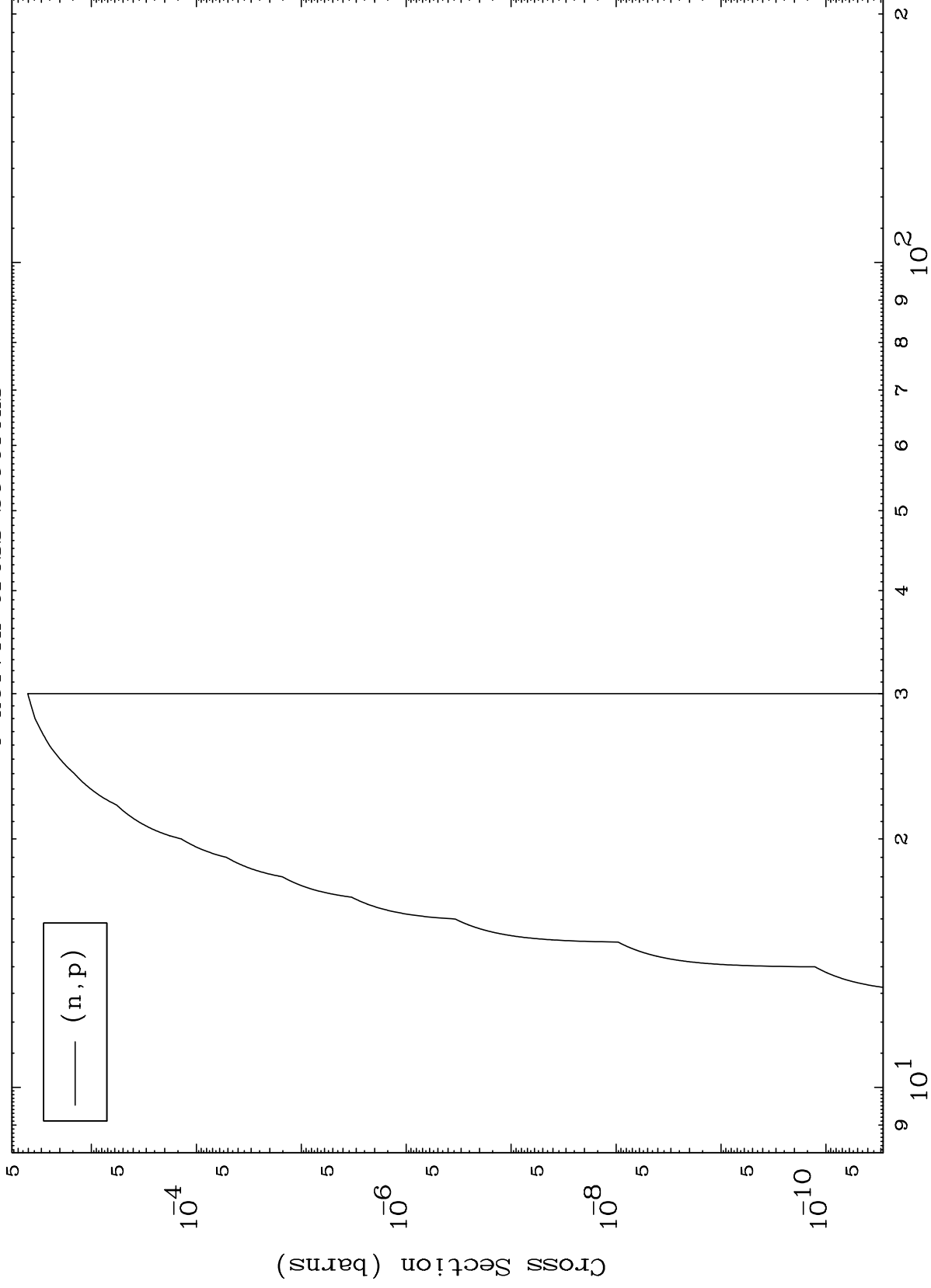


MAT 7241

( $\alpha, p$ ) Levels

72-Hf-179m

0 Kelvin Cross Sections



Incident Energy (MeV)

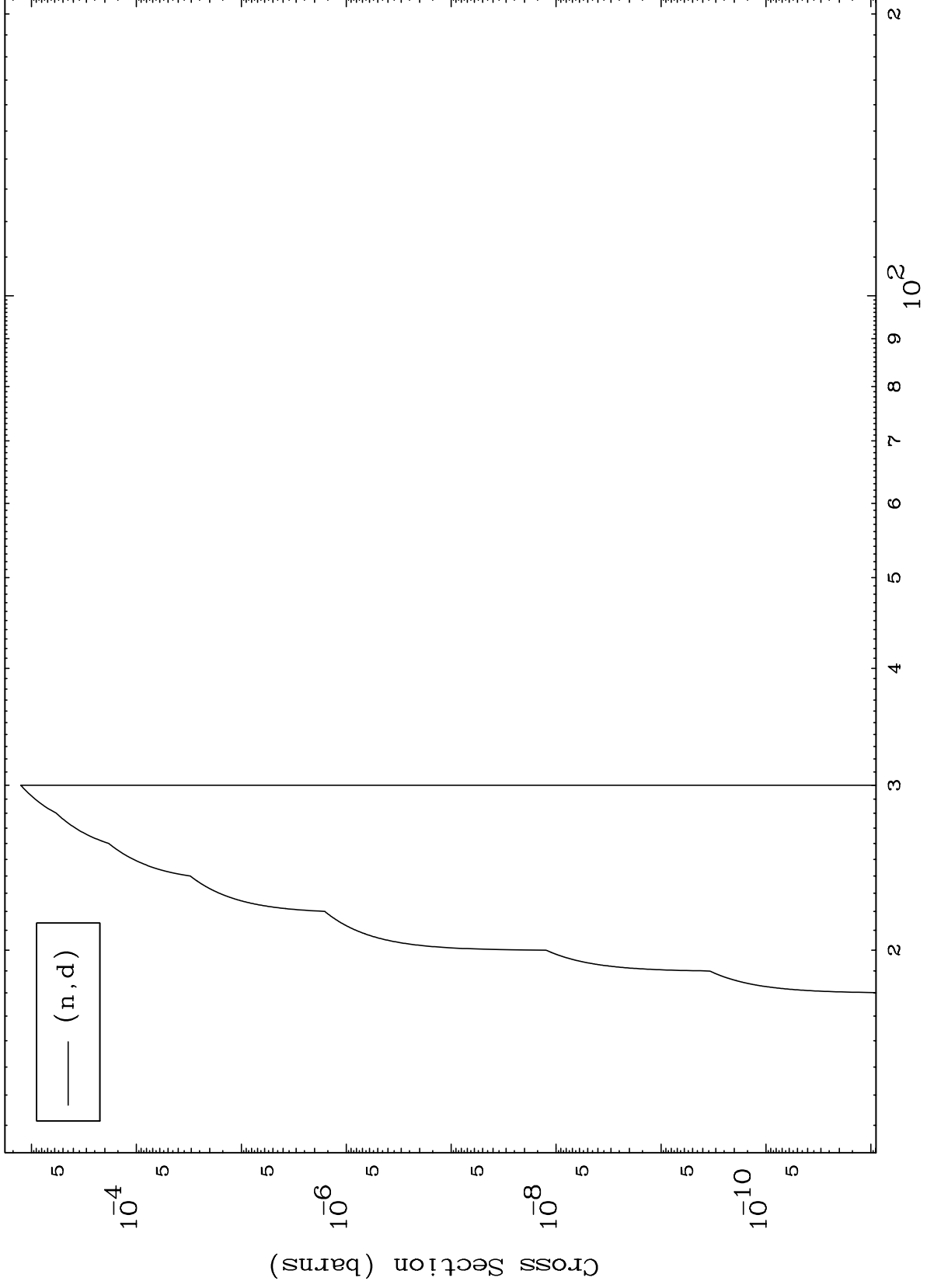
72-Hf-179m

6

MAT 7241

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

72-Hf-179m



7

Incident Energy (MeV)

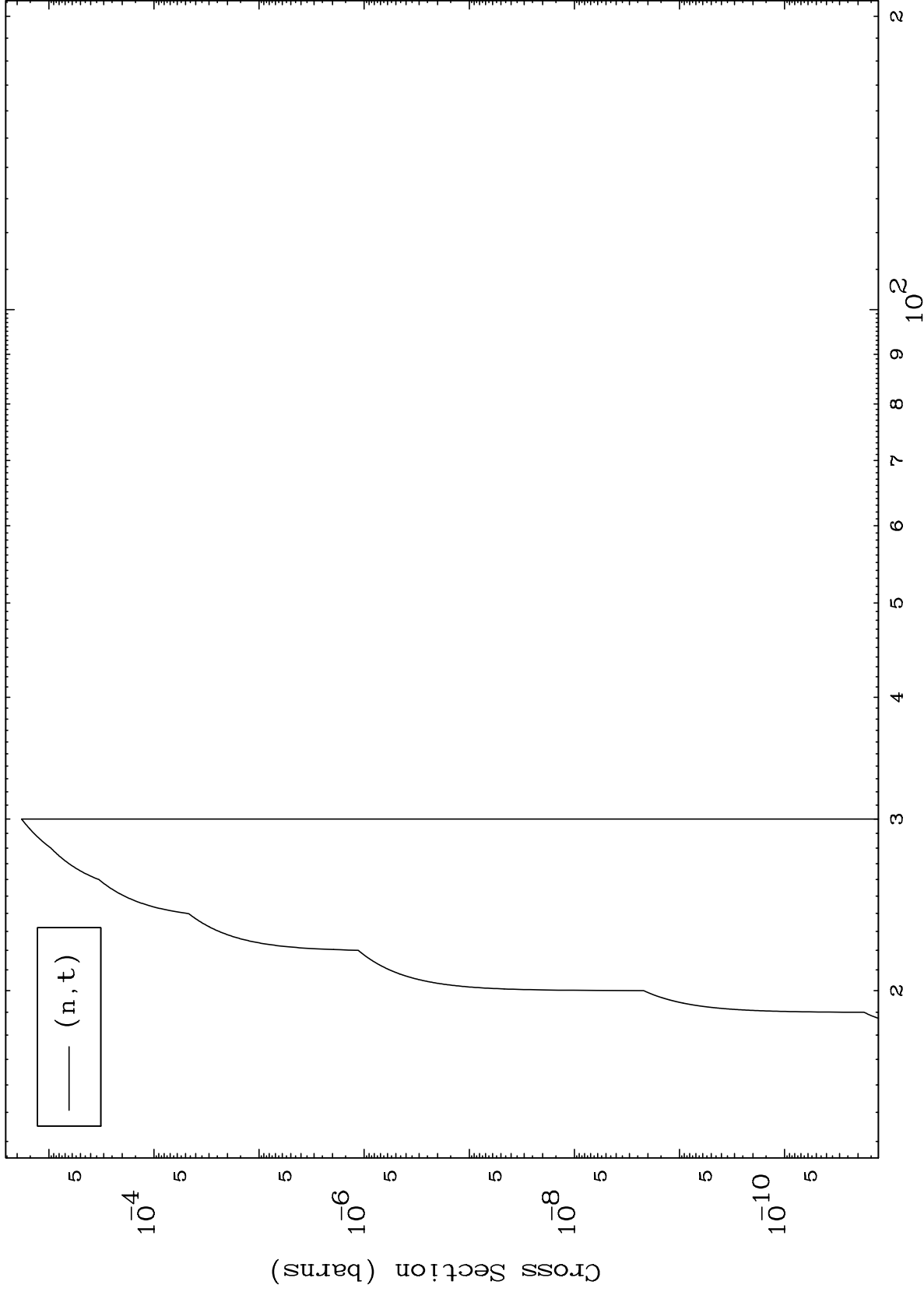
72-Hf-179m



MAT 7241

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

72-Hf-179m



8

Incident Energy (MeV)

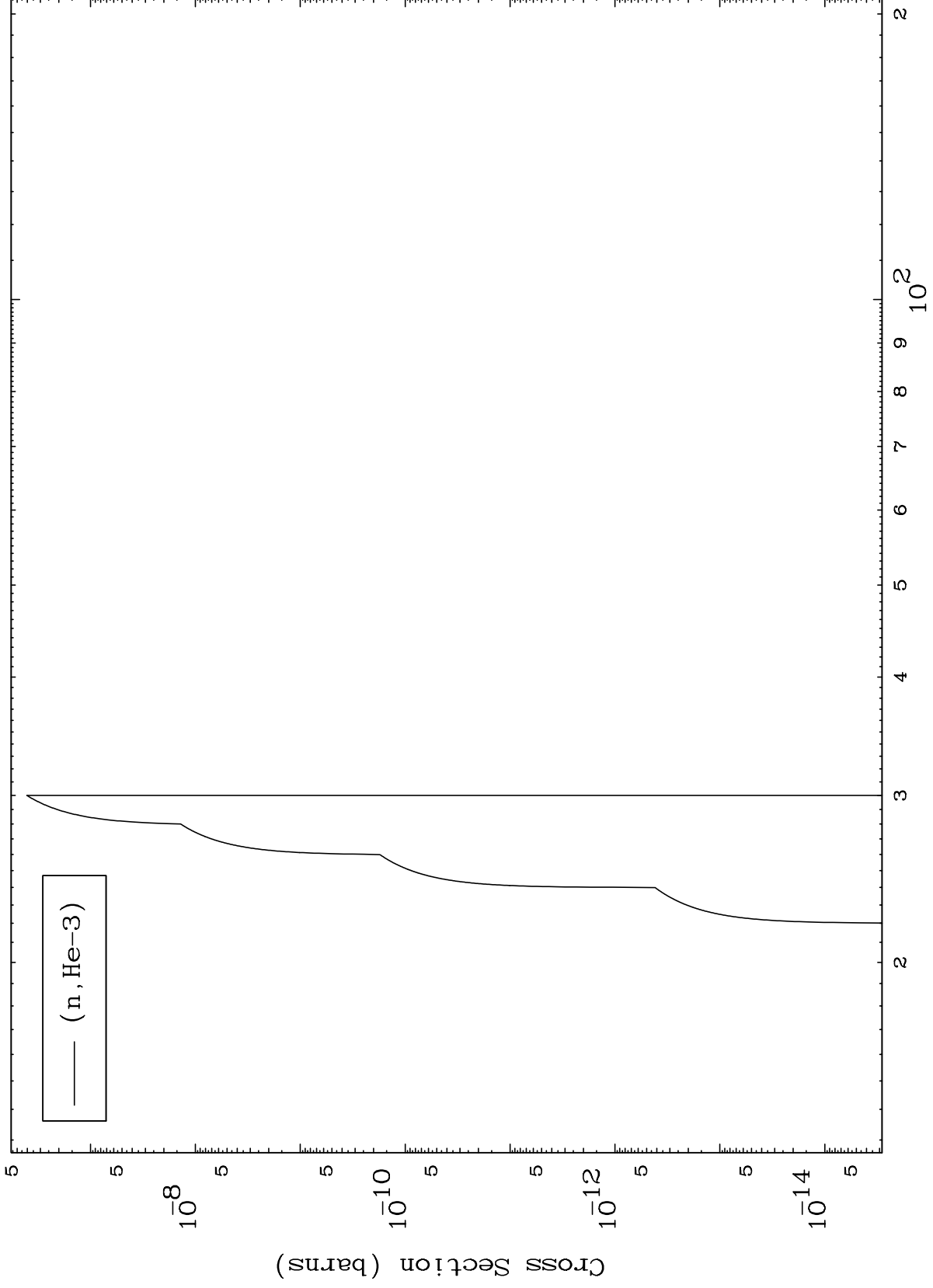
72-Hf-179m

MAT 7241

( $\alpha, \text{He}3$ ) Levels

72-Hf-179m

0 Kelvin Cross Sections



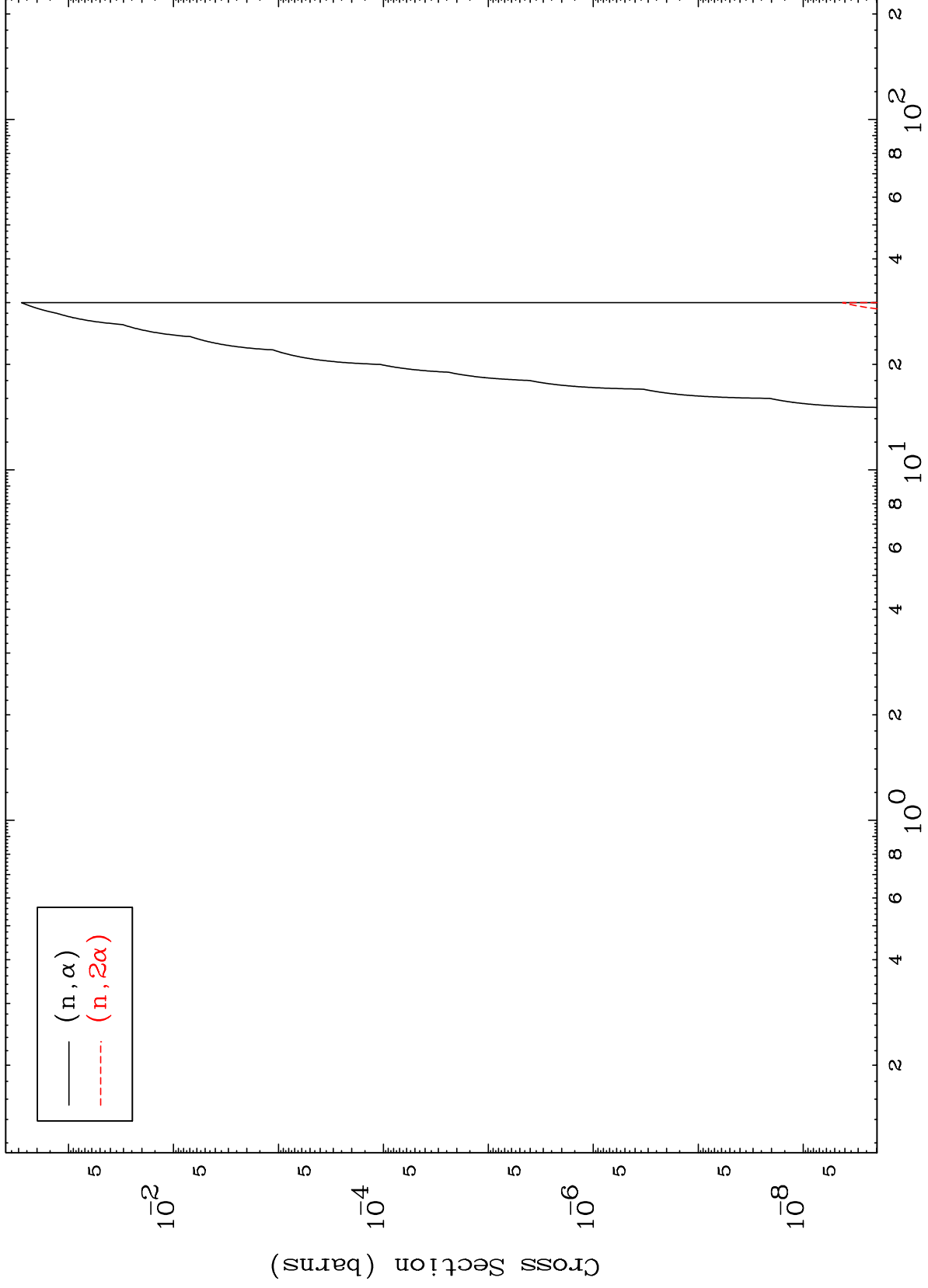
(n, He-3)

MAT 7241

( $\alpha, \alpha$ ) Levels

72-Hf-179m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

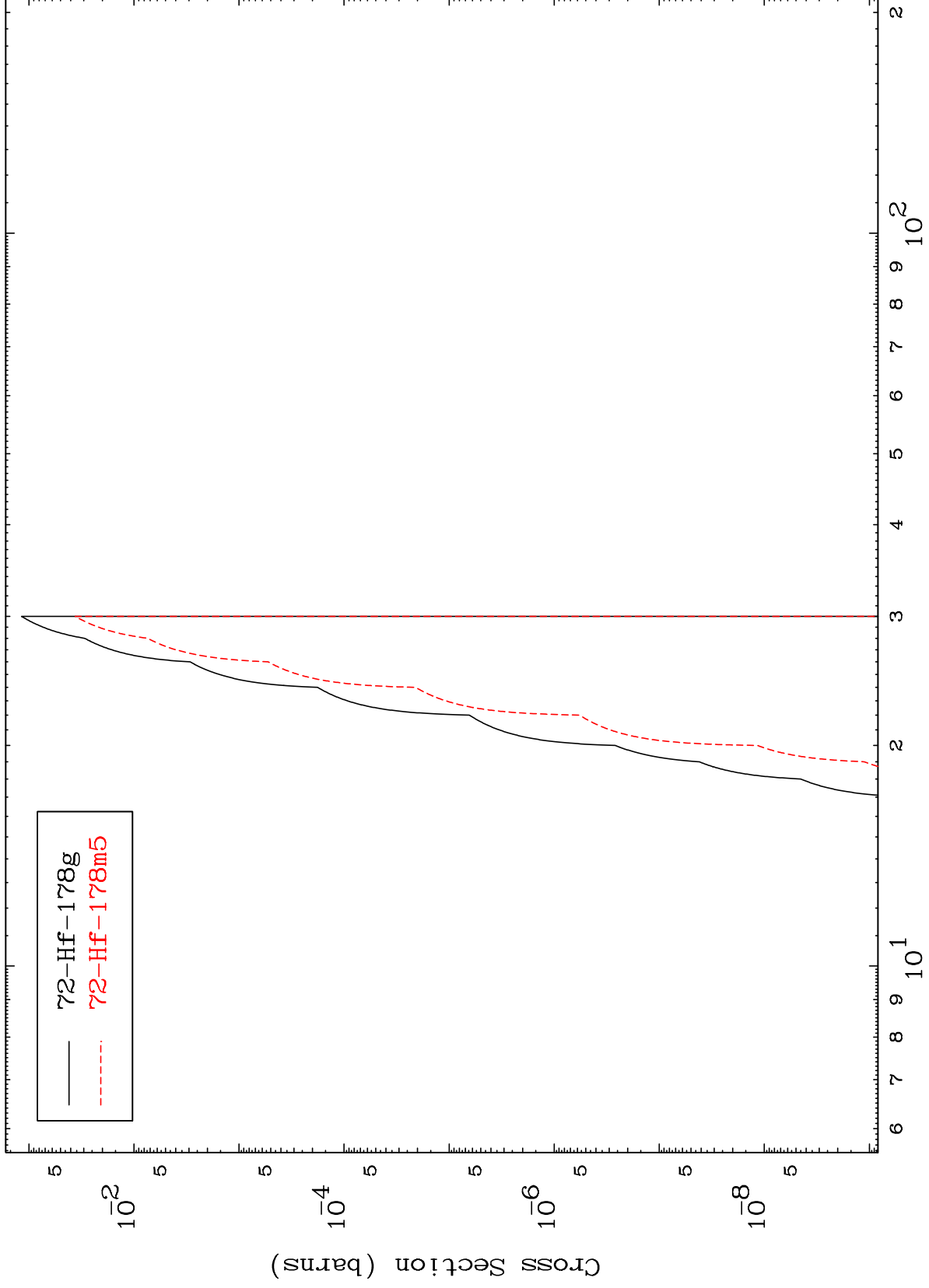
72-Hf-179m

MAT 7241

(n,n')  $\alpha$

<sup>72</sup>Hf-179m

Radionuclide Production Cross Section



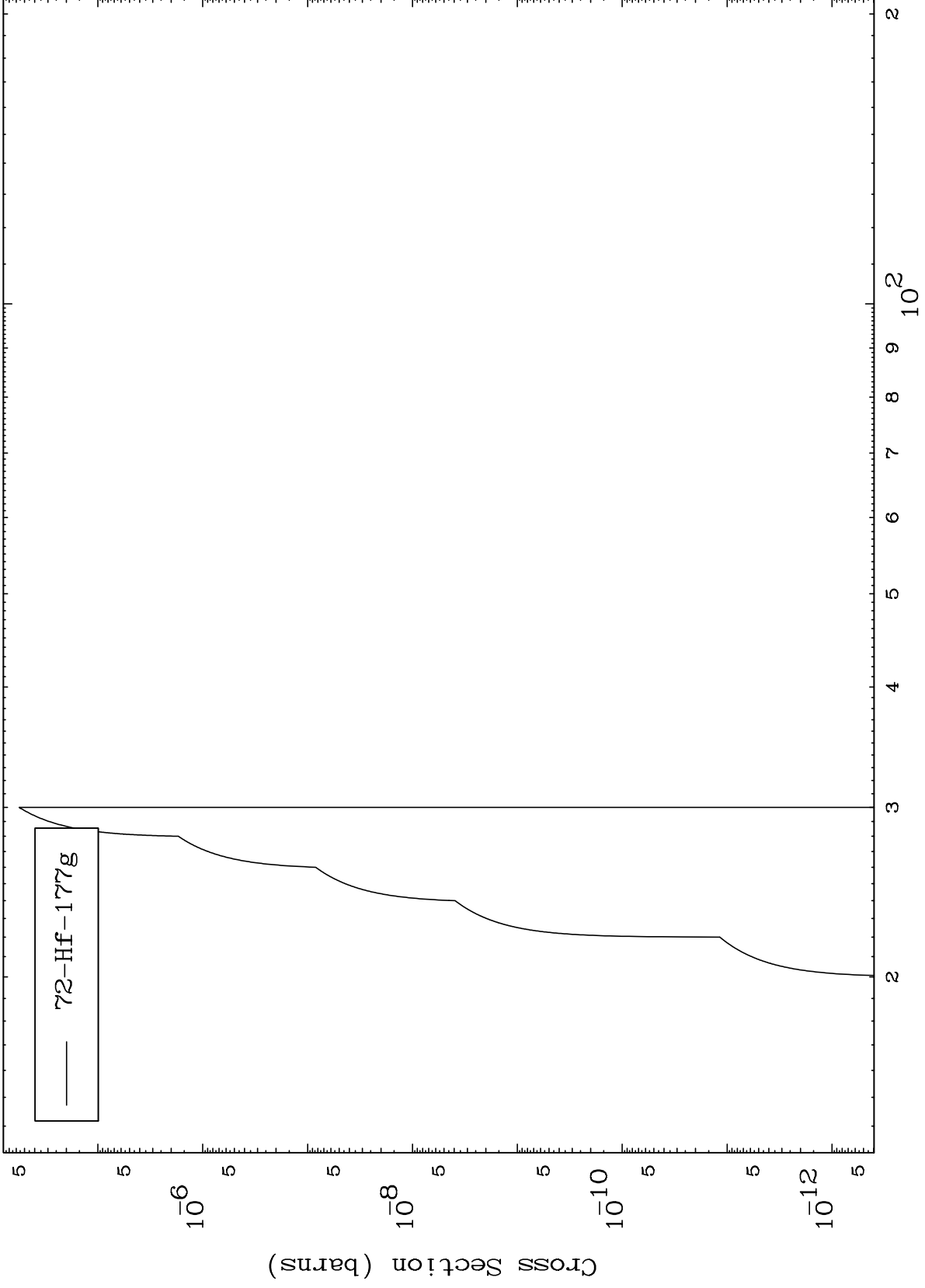
— <sup>72</sup>Hf-178g  
- - - <sup>72</sup>Hf-178m5

MAT 7241

(n,2n)  $\alpha$

72-Hf-179m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

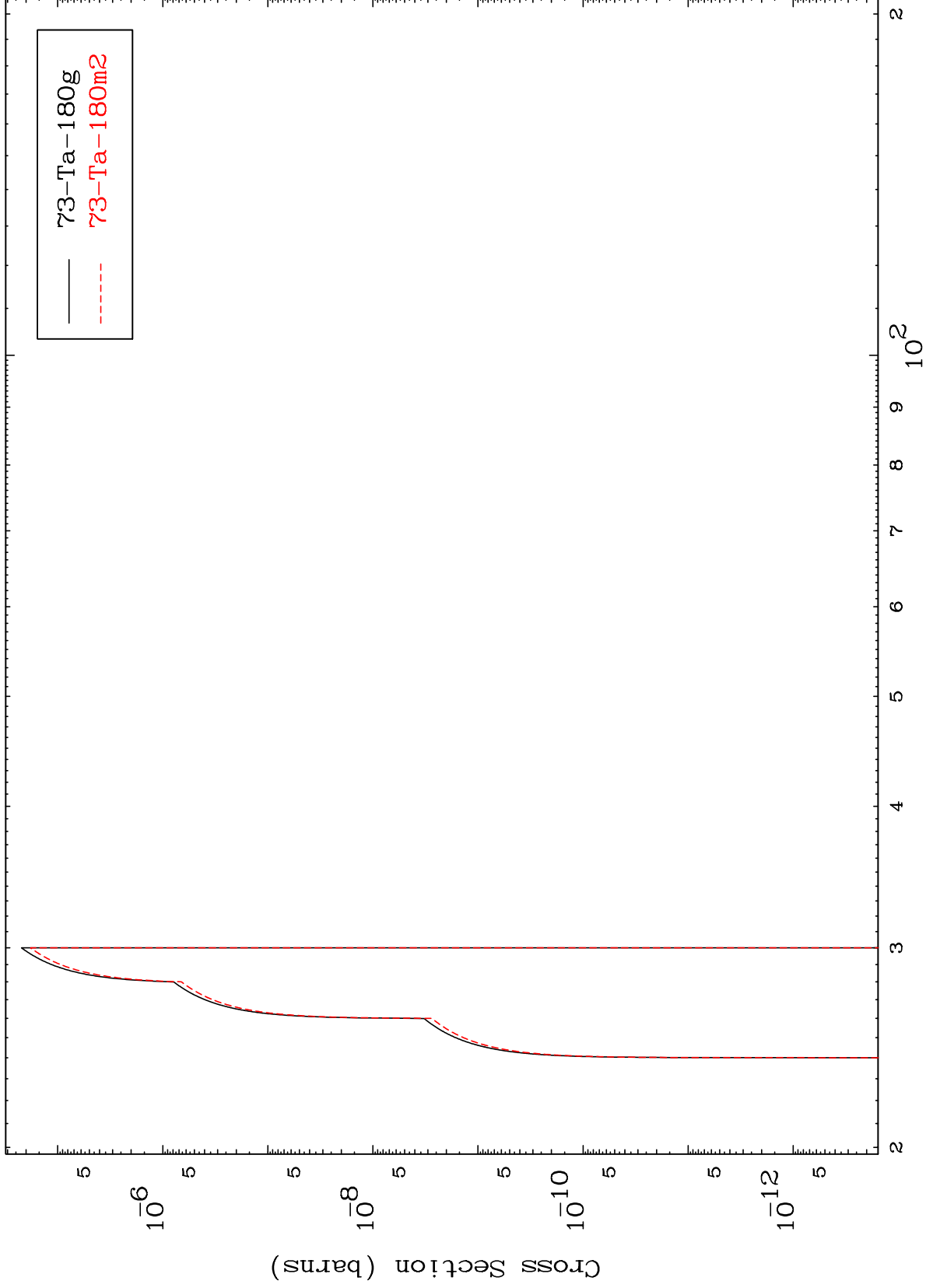
72-Hf-179m

MAT 7241

(n,n') d

72-Hf-179m

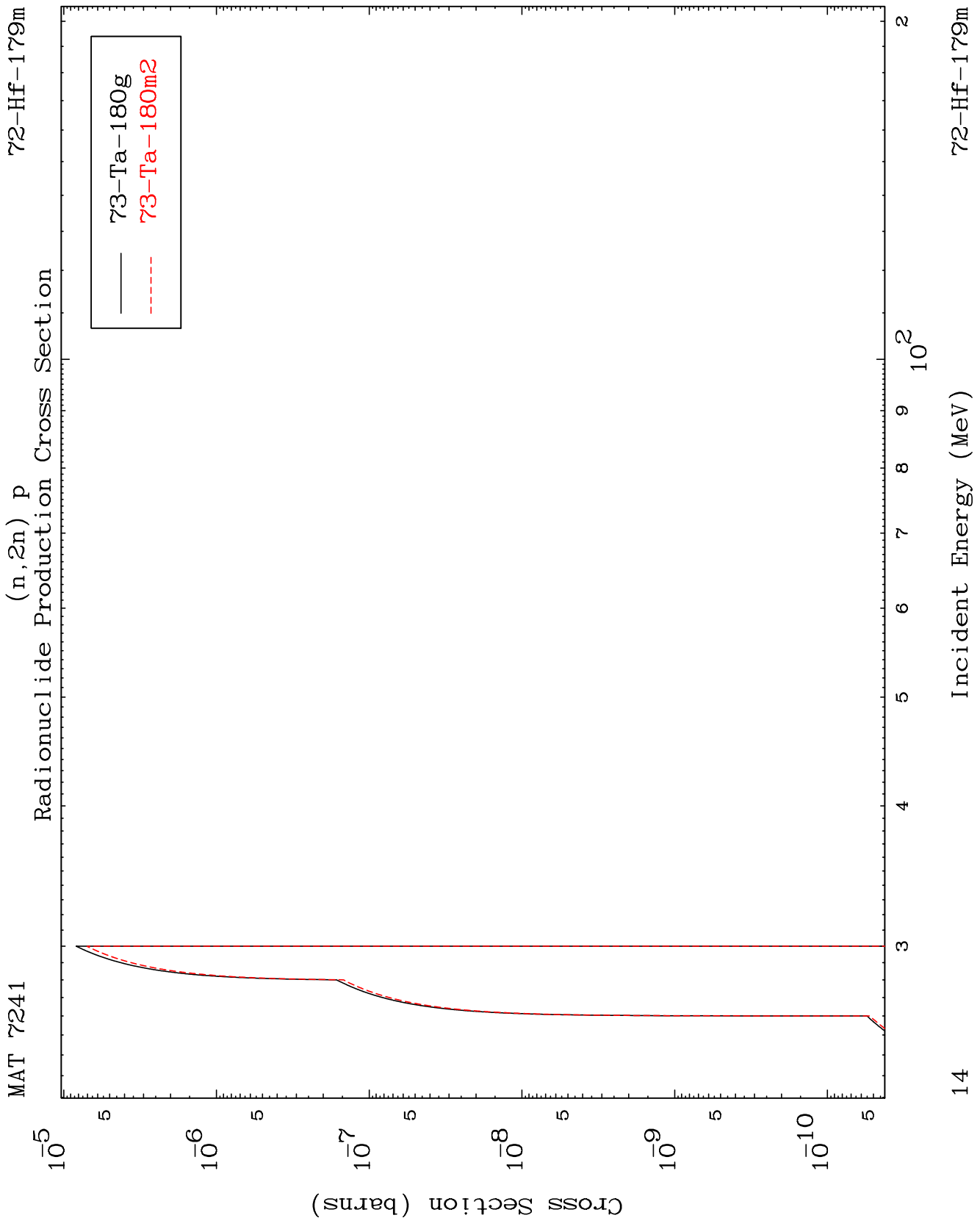
Radionuclide Production Cross Section



13

Incident Energy (MeV)

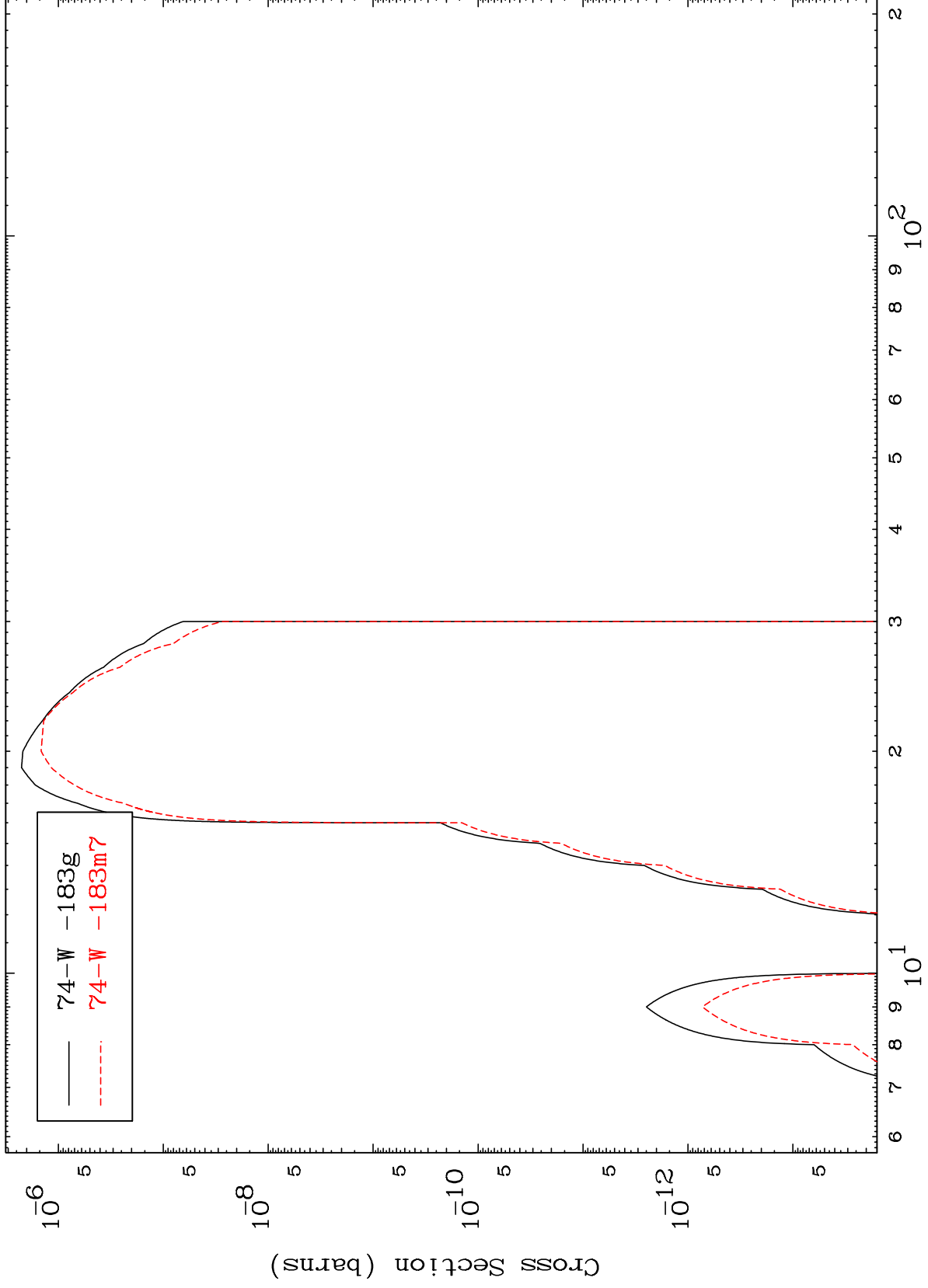
72-Hf-179m



MAT 7241

72-Hf-179m

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



15

Incident Energy (MeV)

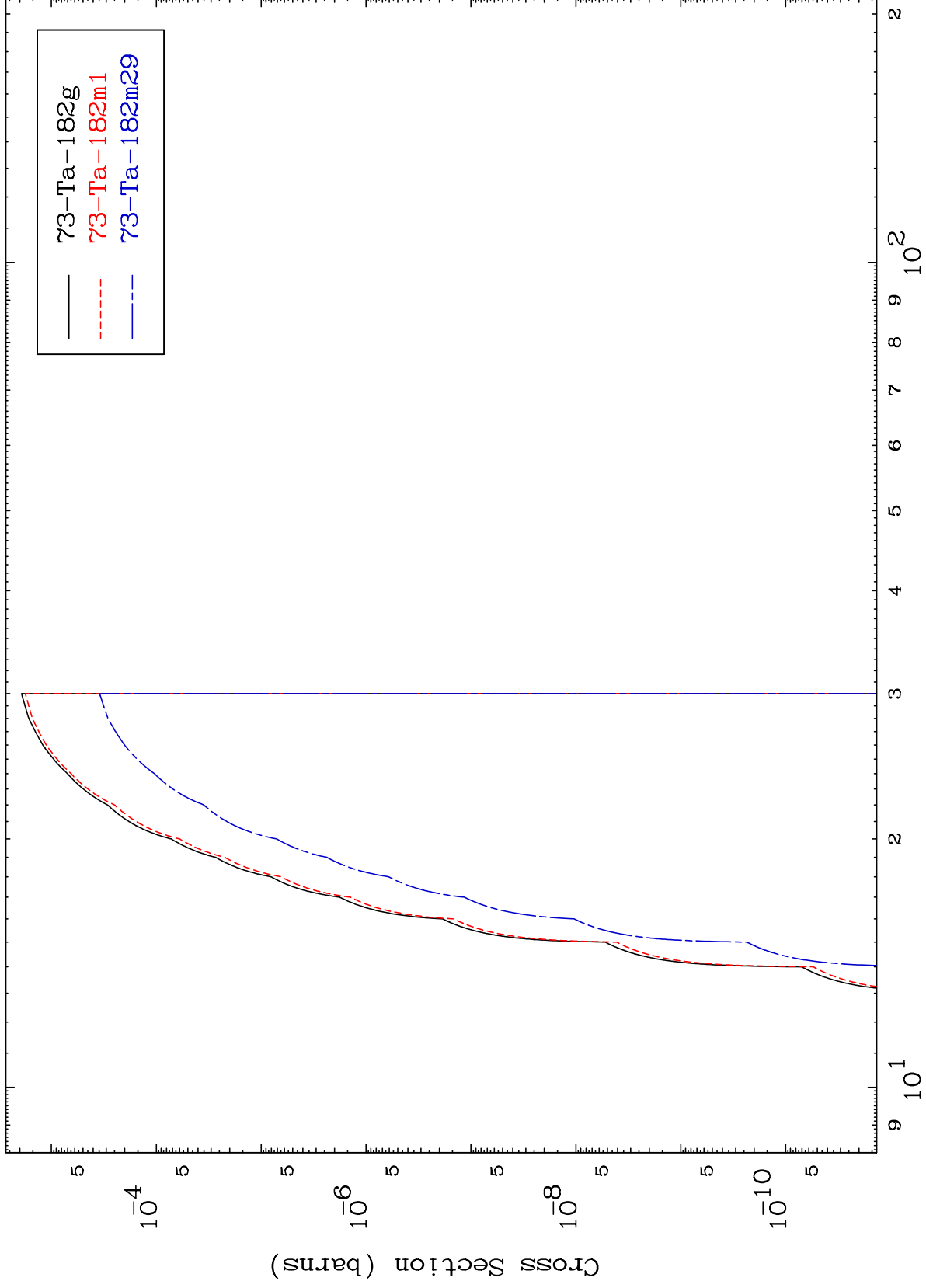
72-Hf-179m



MAT 7241

72-Hf-179m

(n,p)  
Radionuclide Production Cross Section



16

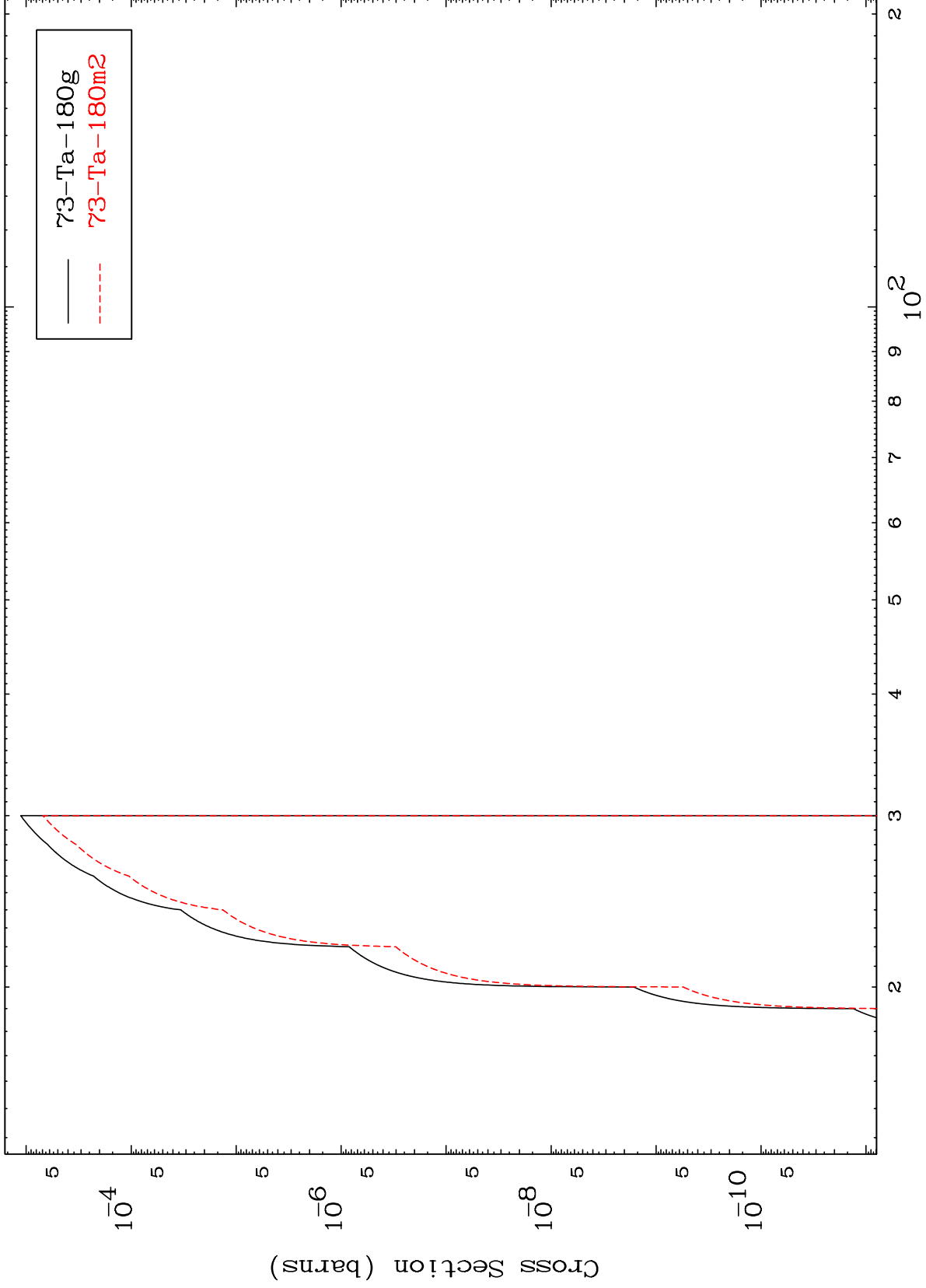
Incident Energy (MeV)

72-Hf-179m

MAT 7241

72-Hf-179m

(n,t)  
Radionuclide Production Cross Section



17

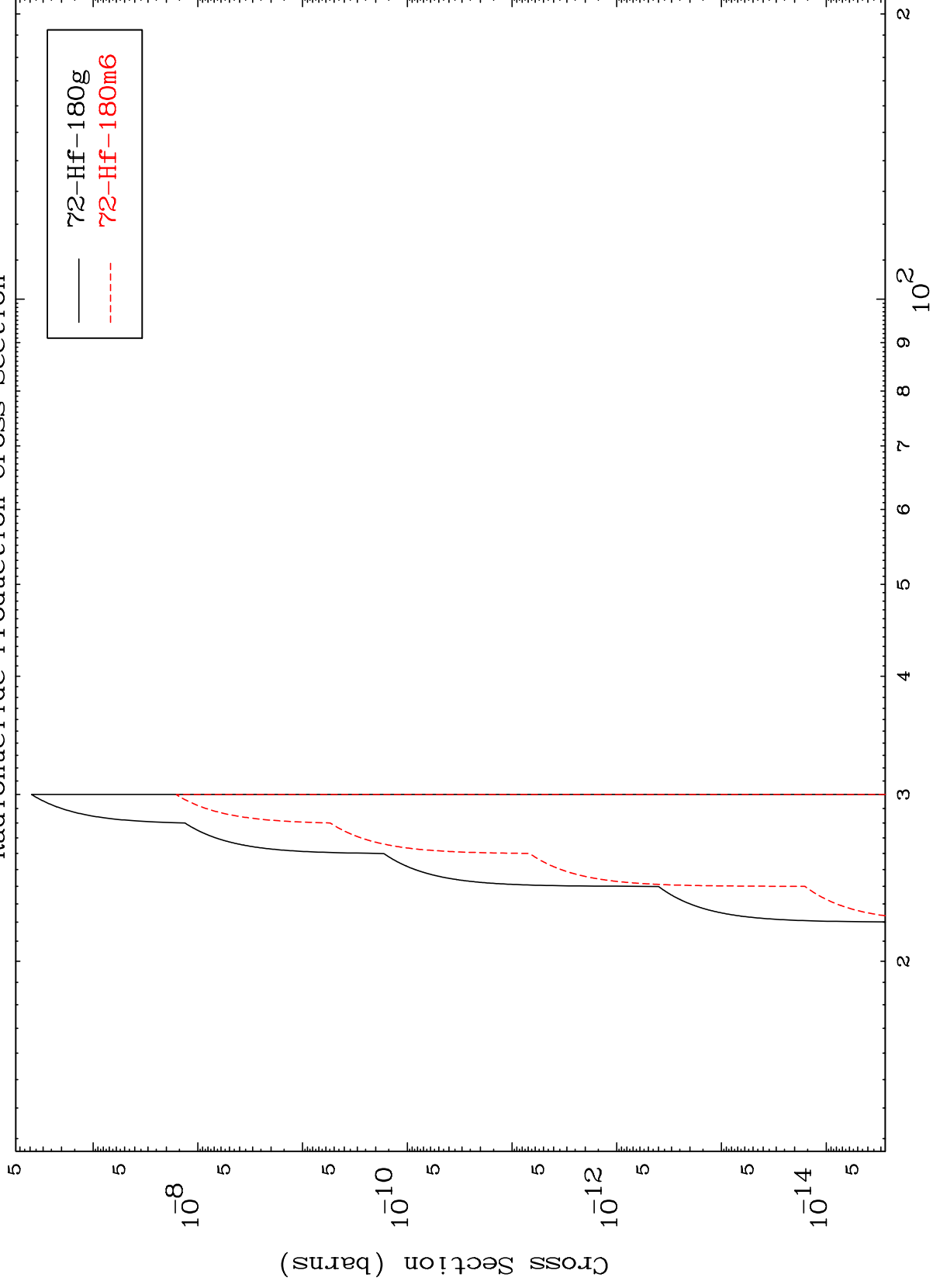
Incident Energy (MeV)

72-Hf-179m

MAT 7241

72-Hf-179m

(n,He-3)  
Radionuclide Production Cross Section



18

Incident Energy (MeV)

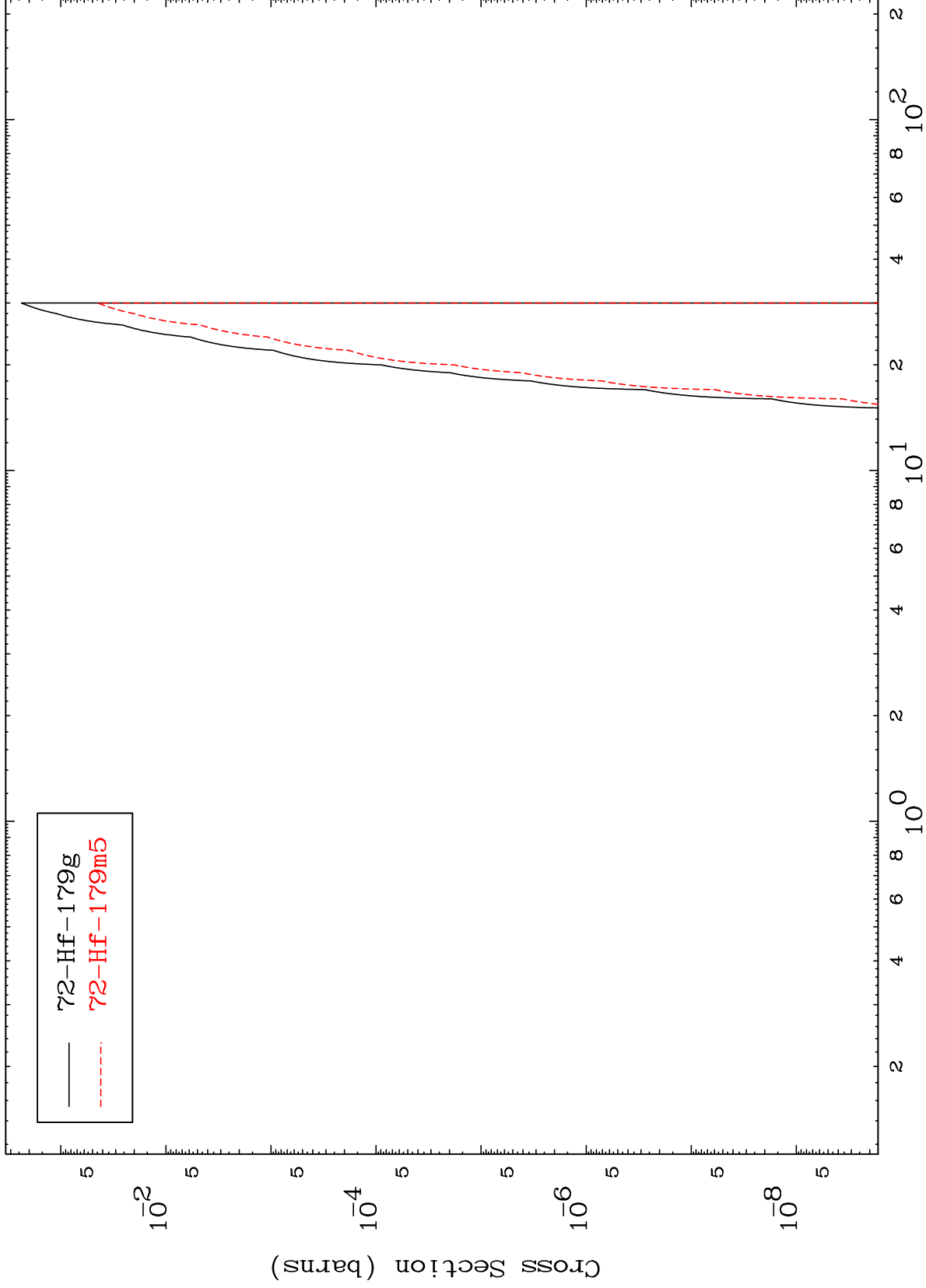
72-Hf-179m

MAT 7241

(n,  $\alpha$ )

<sup>72</sup>Hf-179m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

<sup>72</sup>Hf-179m