

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

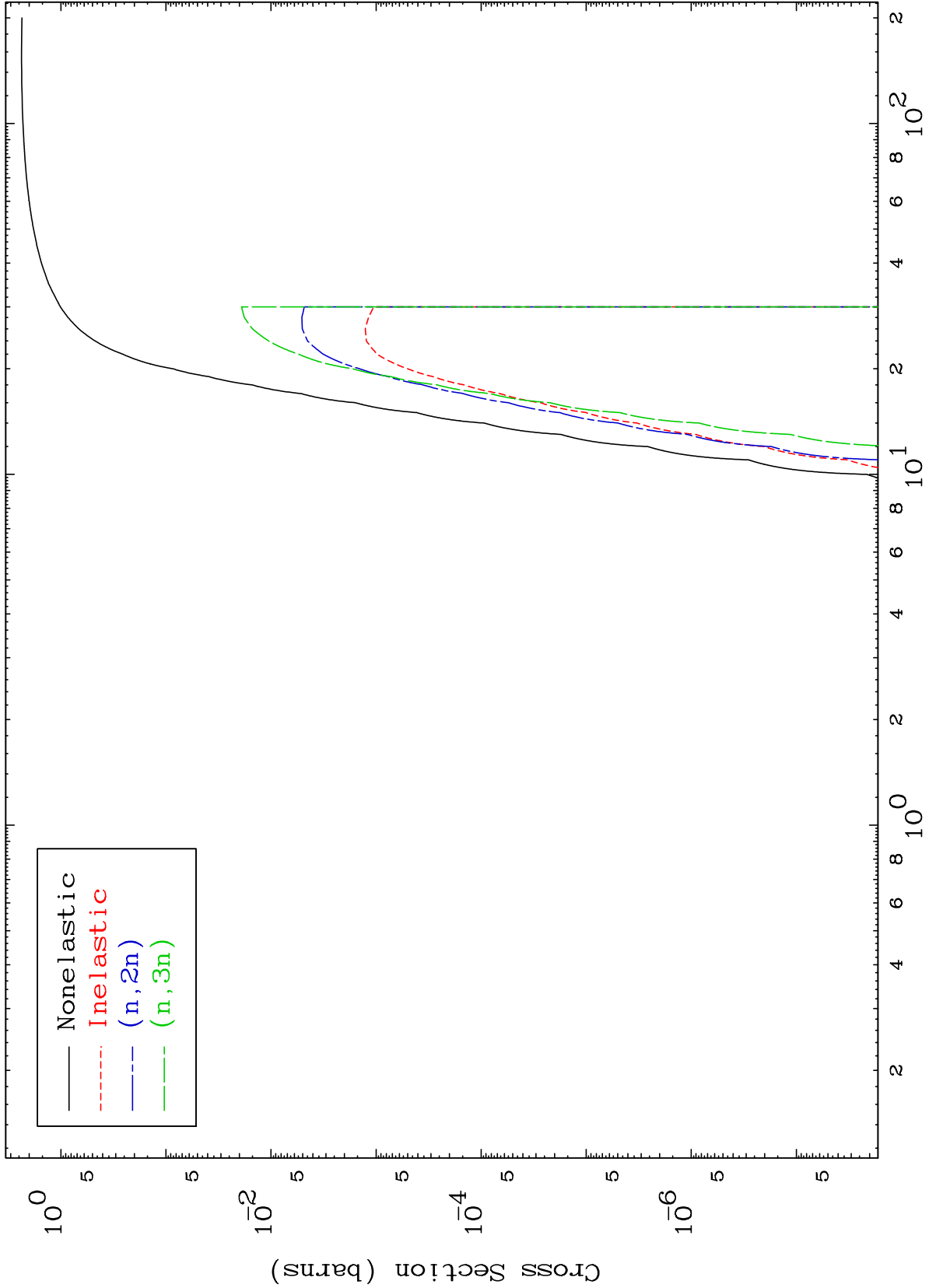
Press Mouse Button to Start

MAT 7727

He-3 Major

<sup>77</sup>Ir-191n

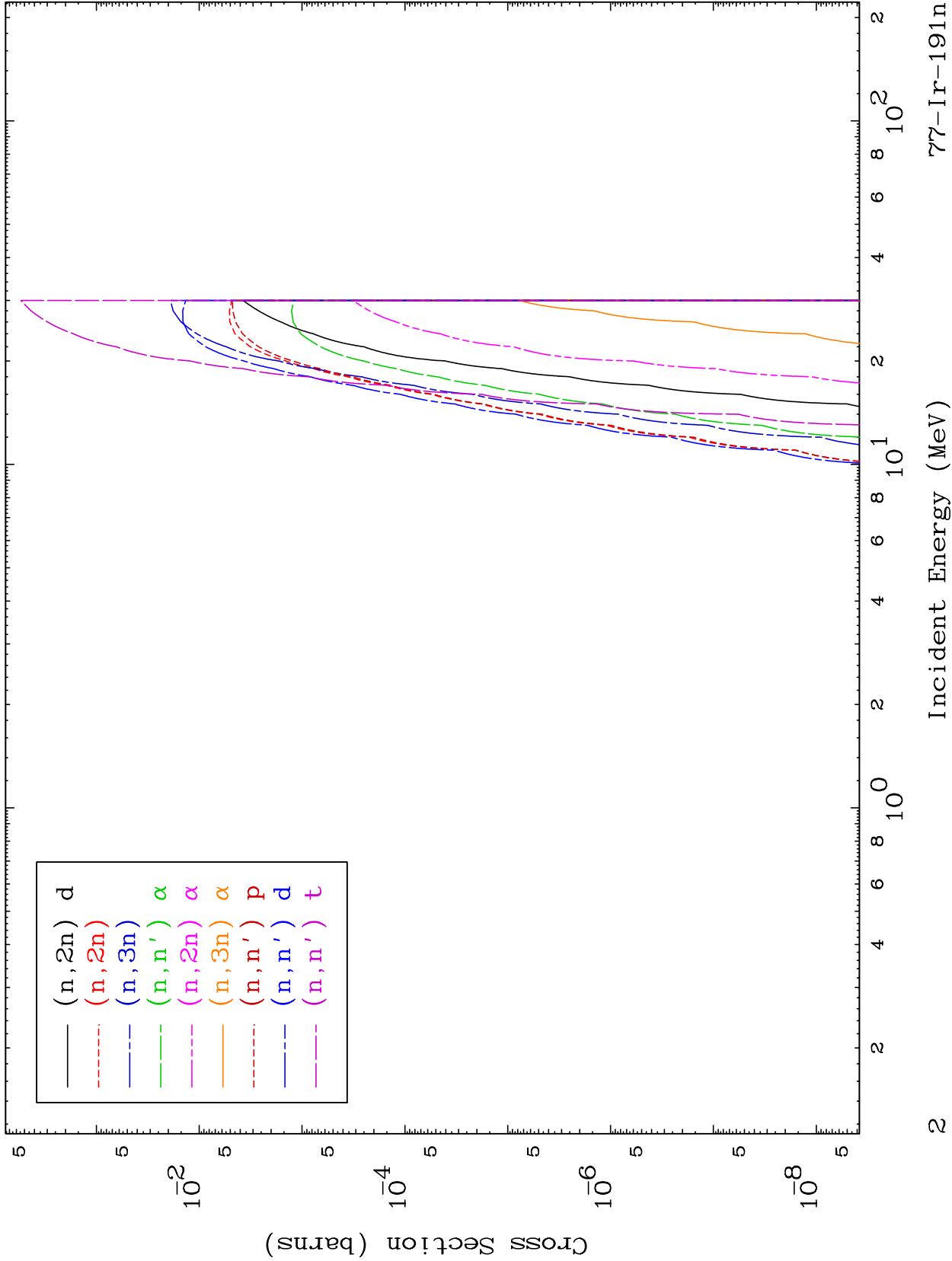
0 Kelvin Cross Sections



MAT 7727

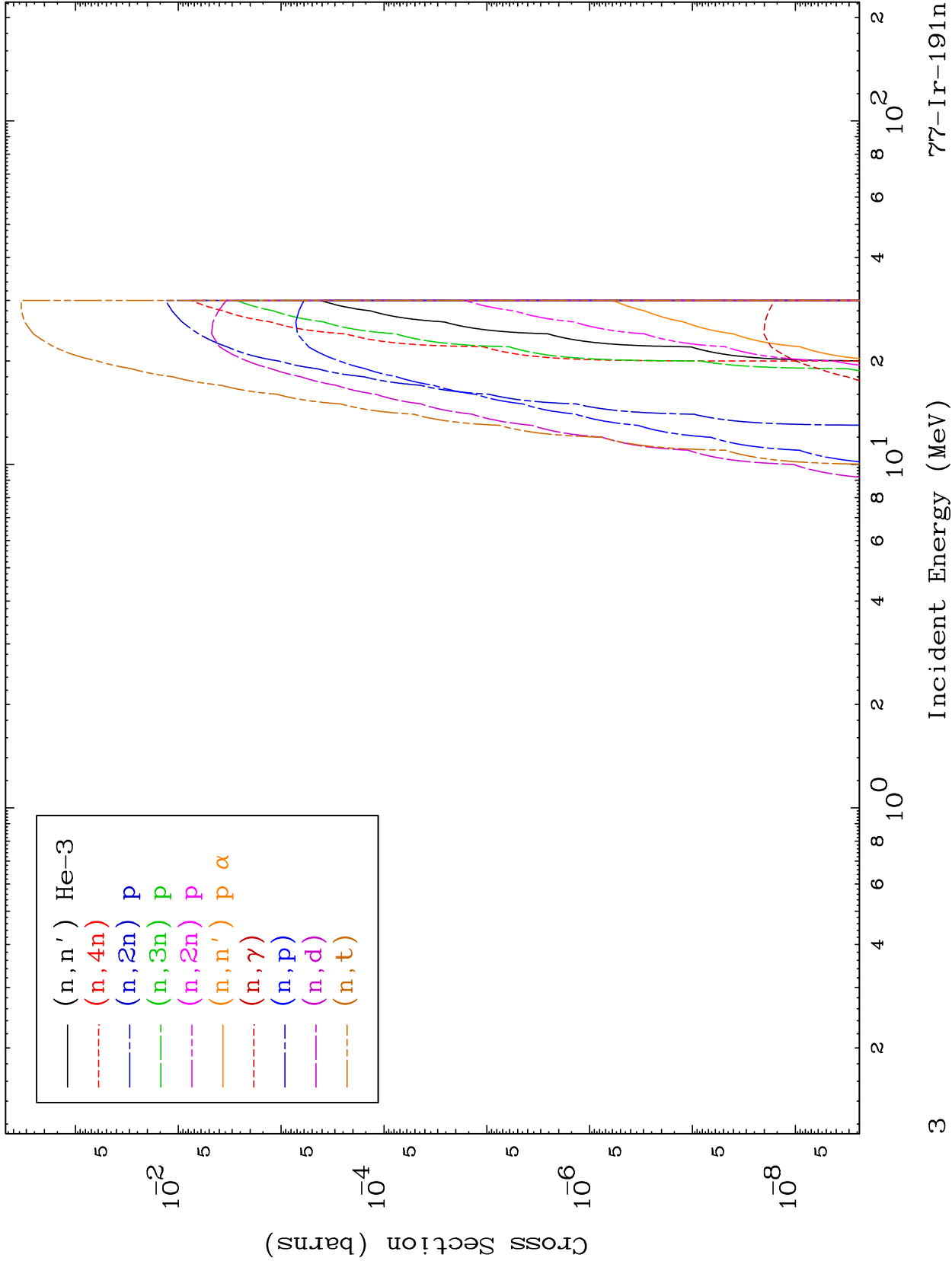
He-3 Neutron Absorption  
0 Kelvin Cross Sections

77-Ir-191n



77-Ir-191n

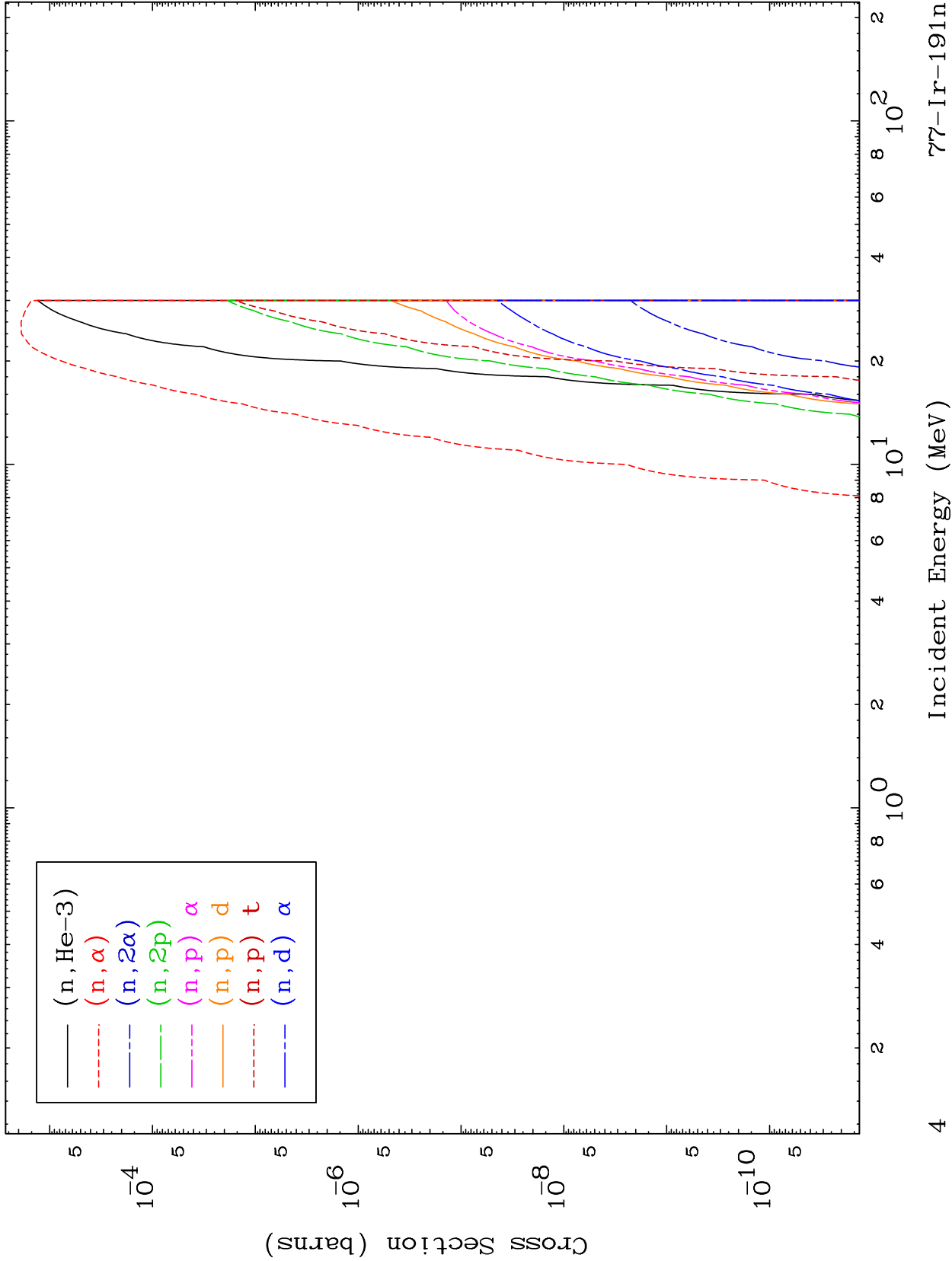
Incident Energy (MeV)



MAT 7727

He-3 Neutron Absorption  
0 Kelvin Cross Sections

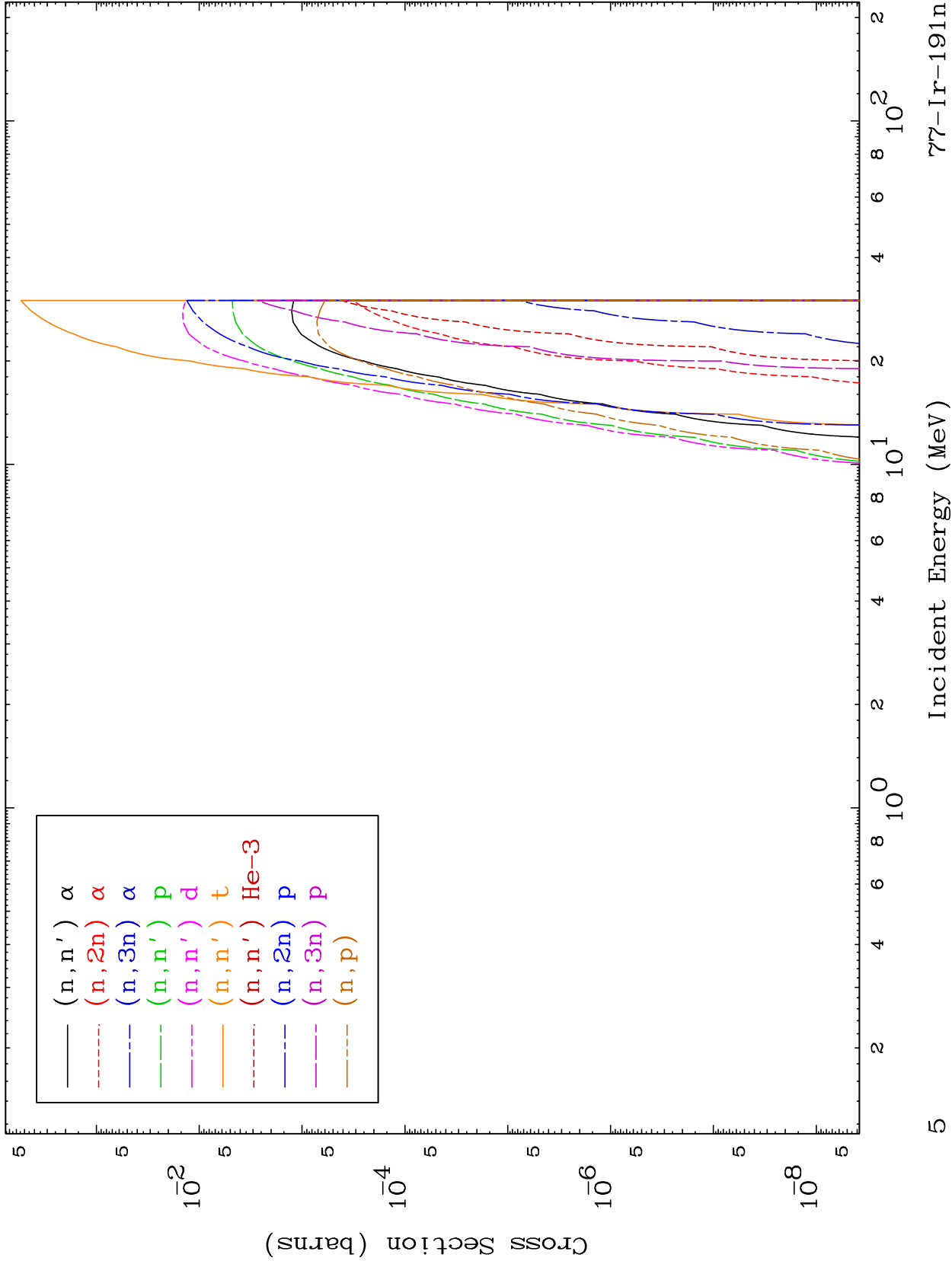
77-Ir-191n

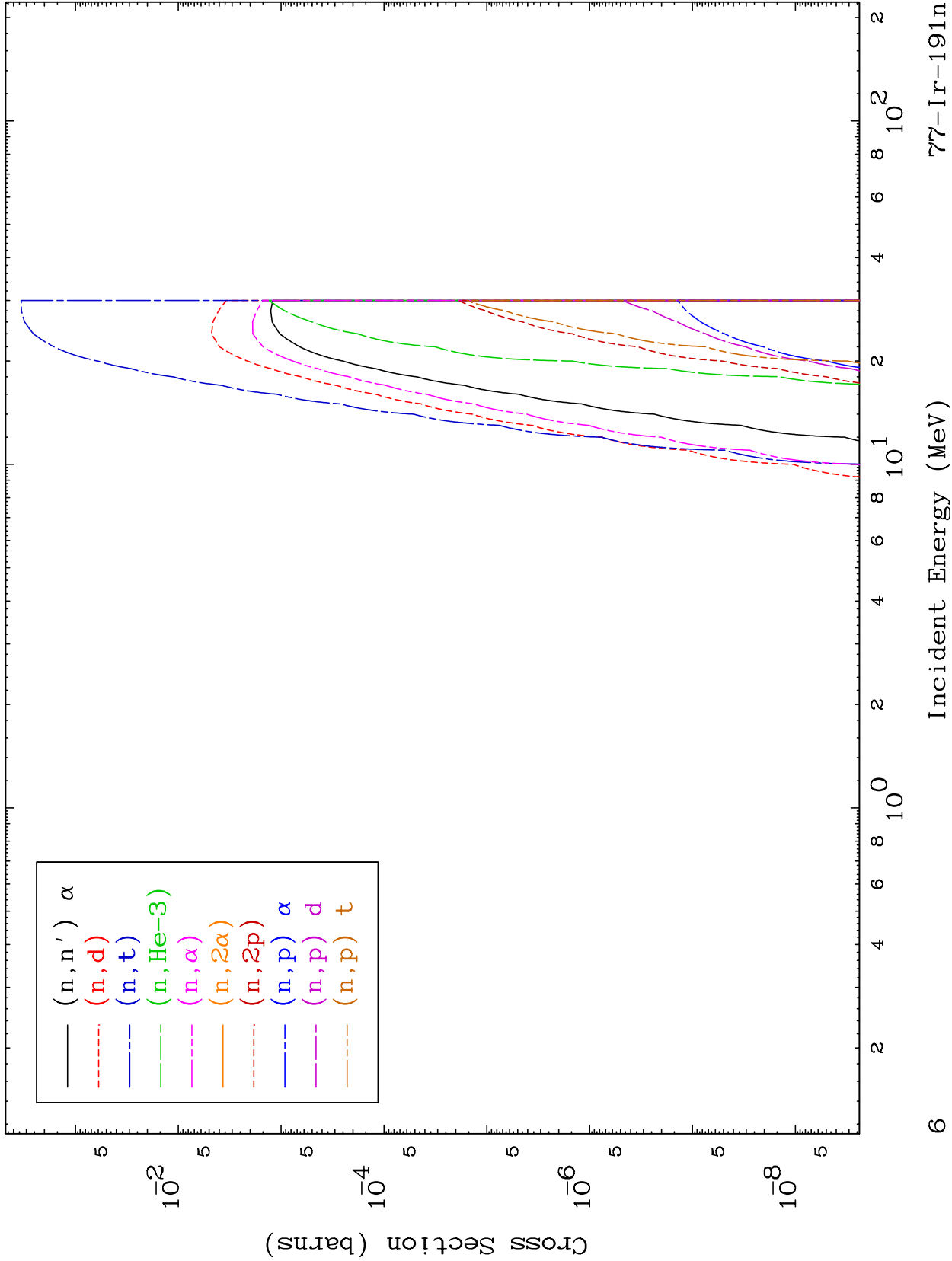


MAT 7727

He-3 Charged Particle  
0 Kelvin Cross Sections

77-Ir-191n



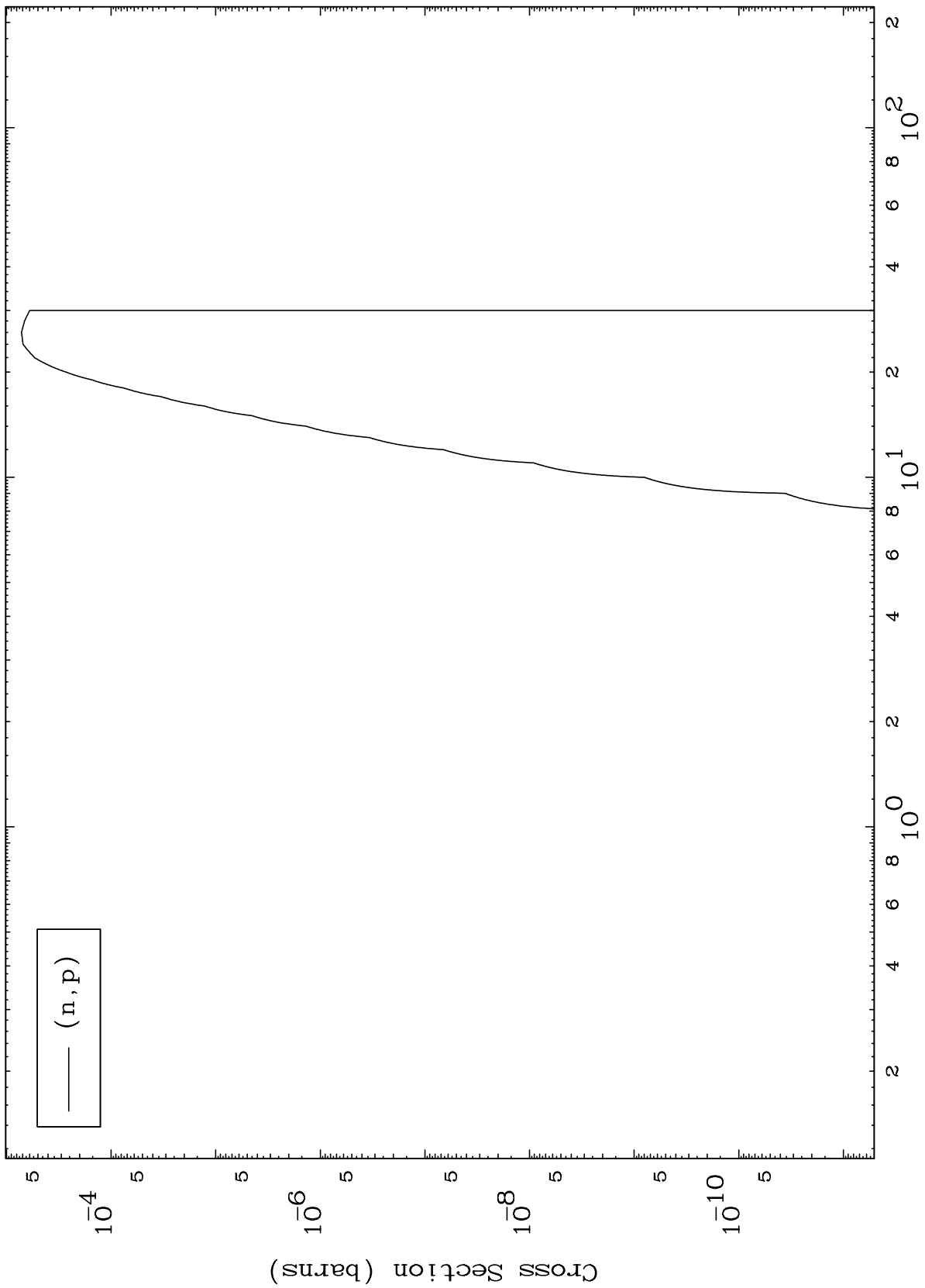


MAT 7727

(He-3,p) Levels

77-Ir-191n

0 Kelvin Cross Sections

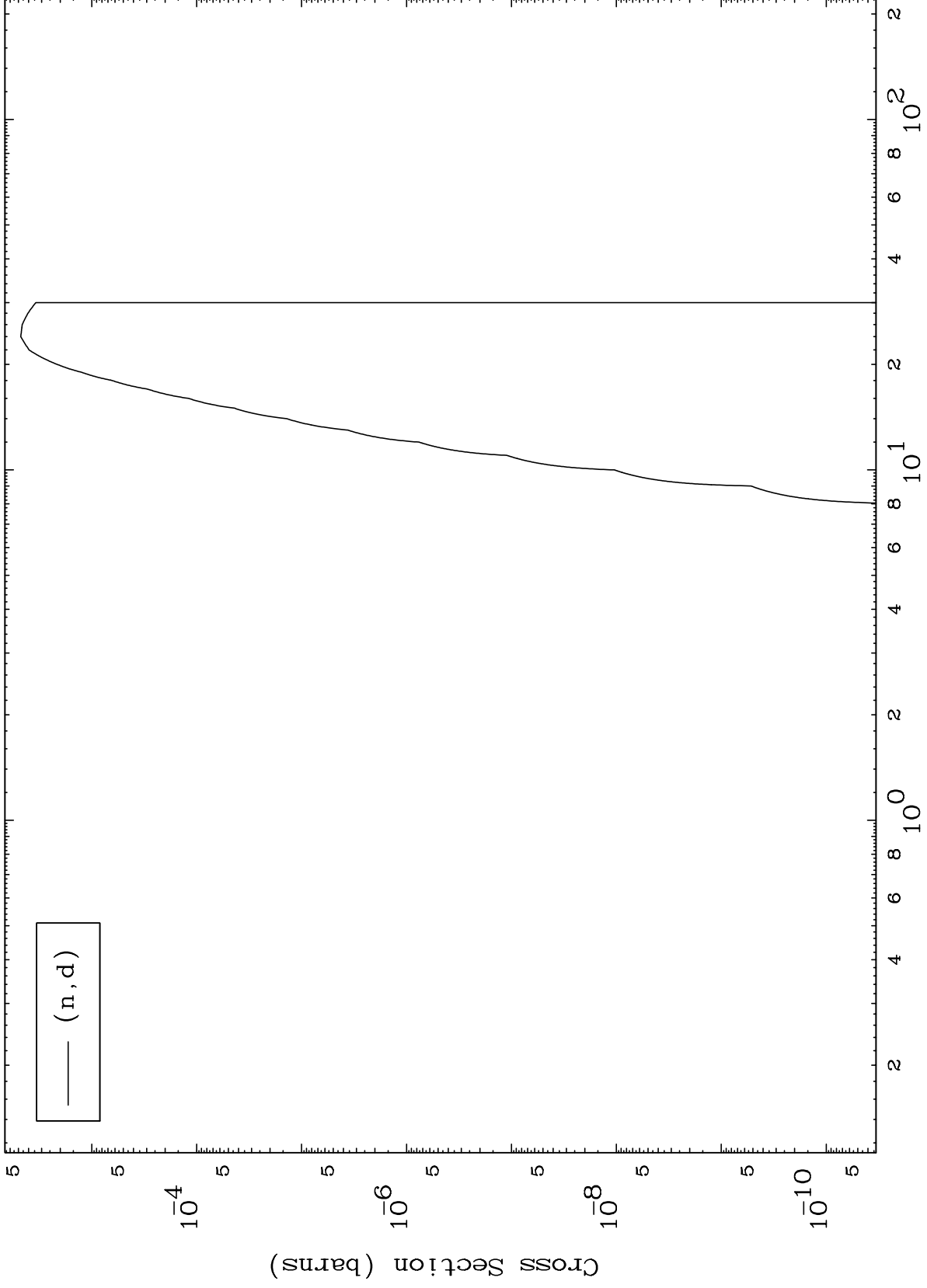


MAT 7727

(He-3,d) Levels

77-Ir-191n

0 Kelvin Cross Sections

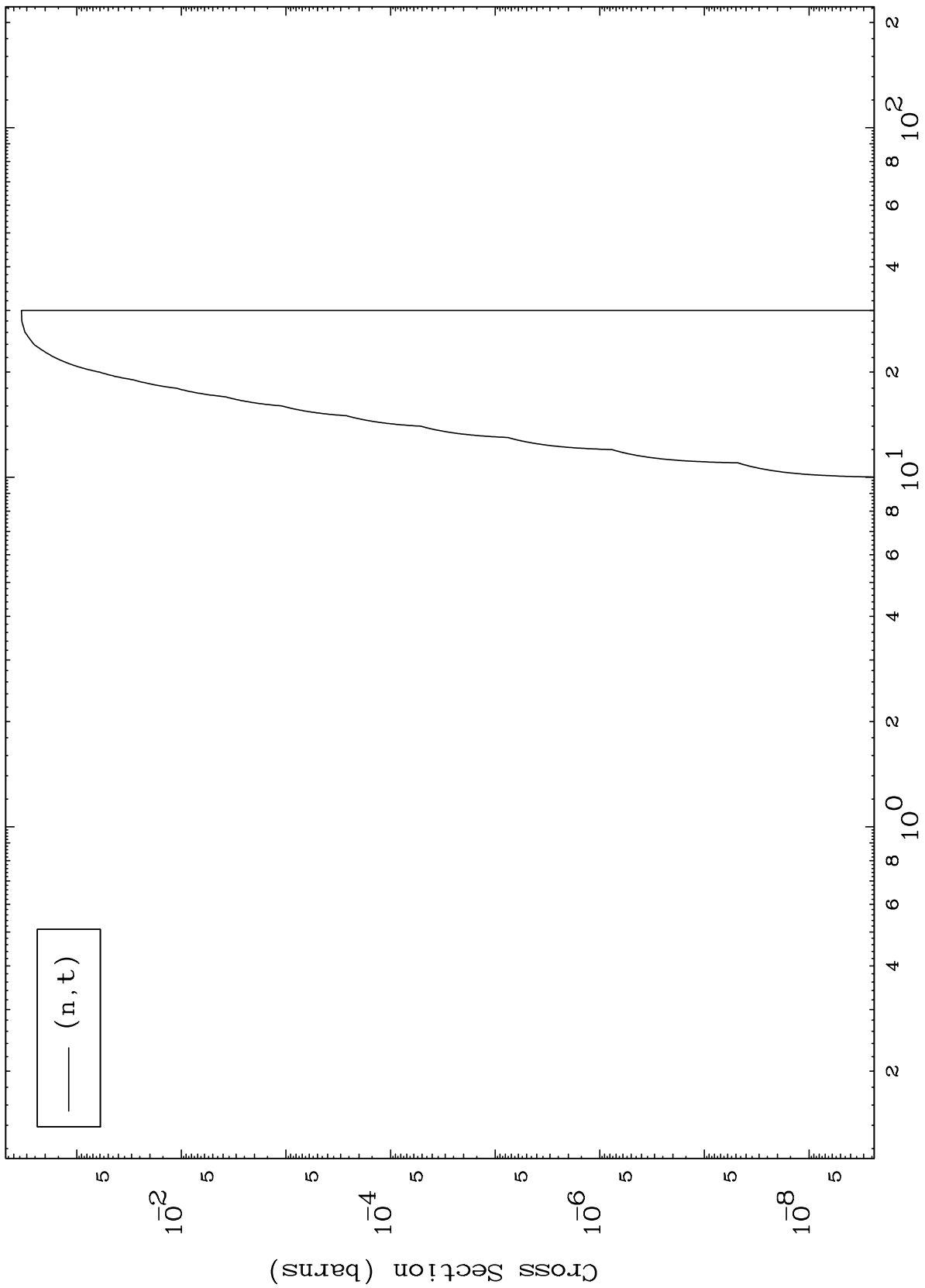


MAT 7727

(He-3,t) Levels

77-Ir-191n

0 Kelvin Cross Sections

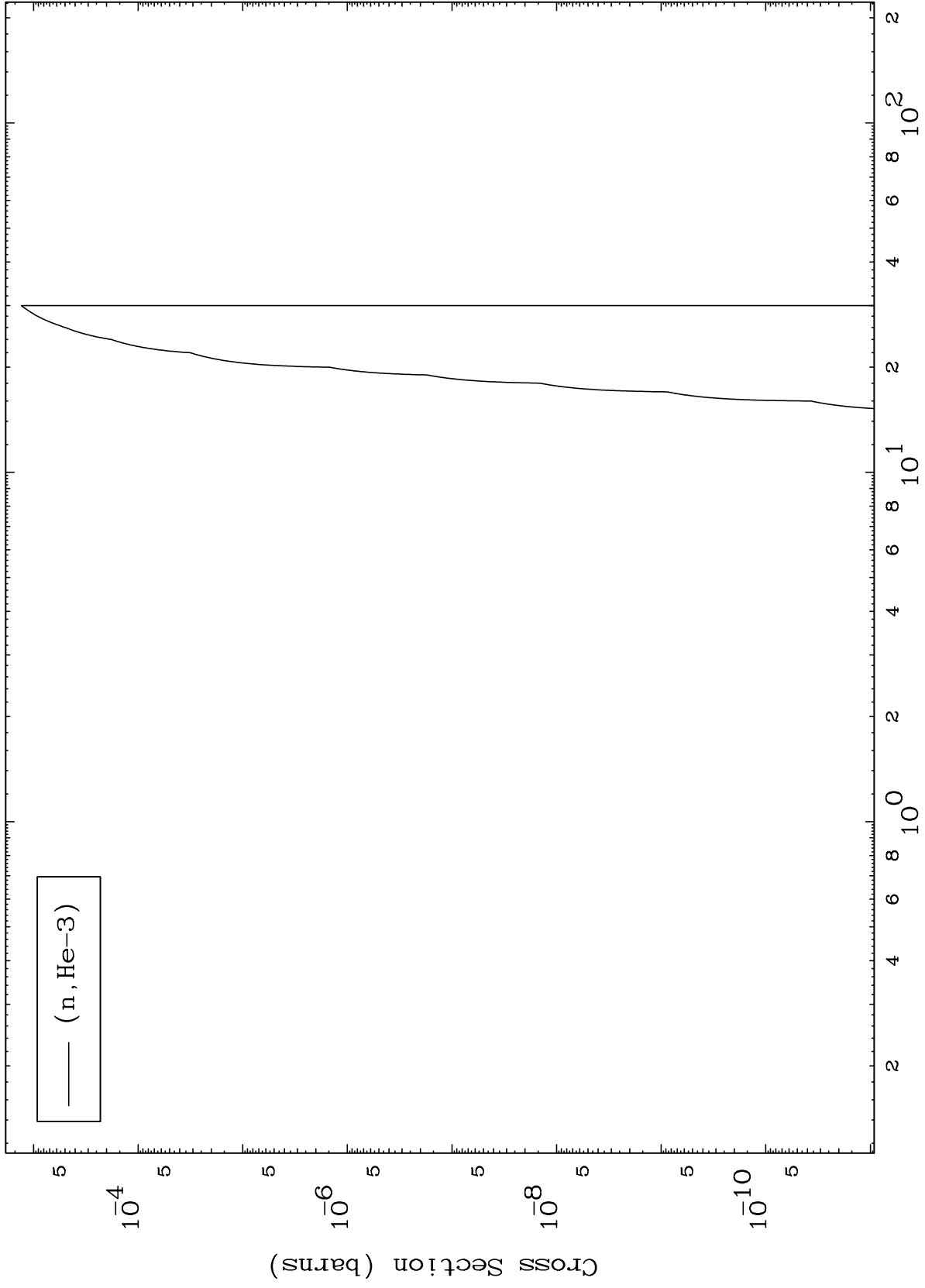


(n, t)

MAT 7727

(He-3, He3) Levels  
0 Kelvin Cross Sections

77-Ir-191n



10

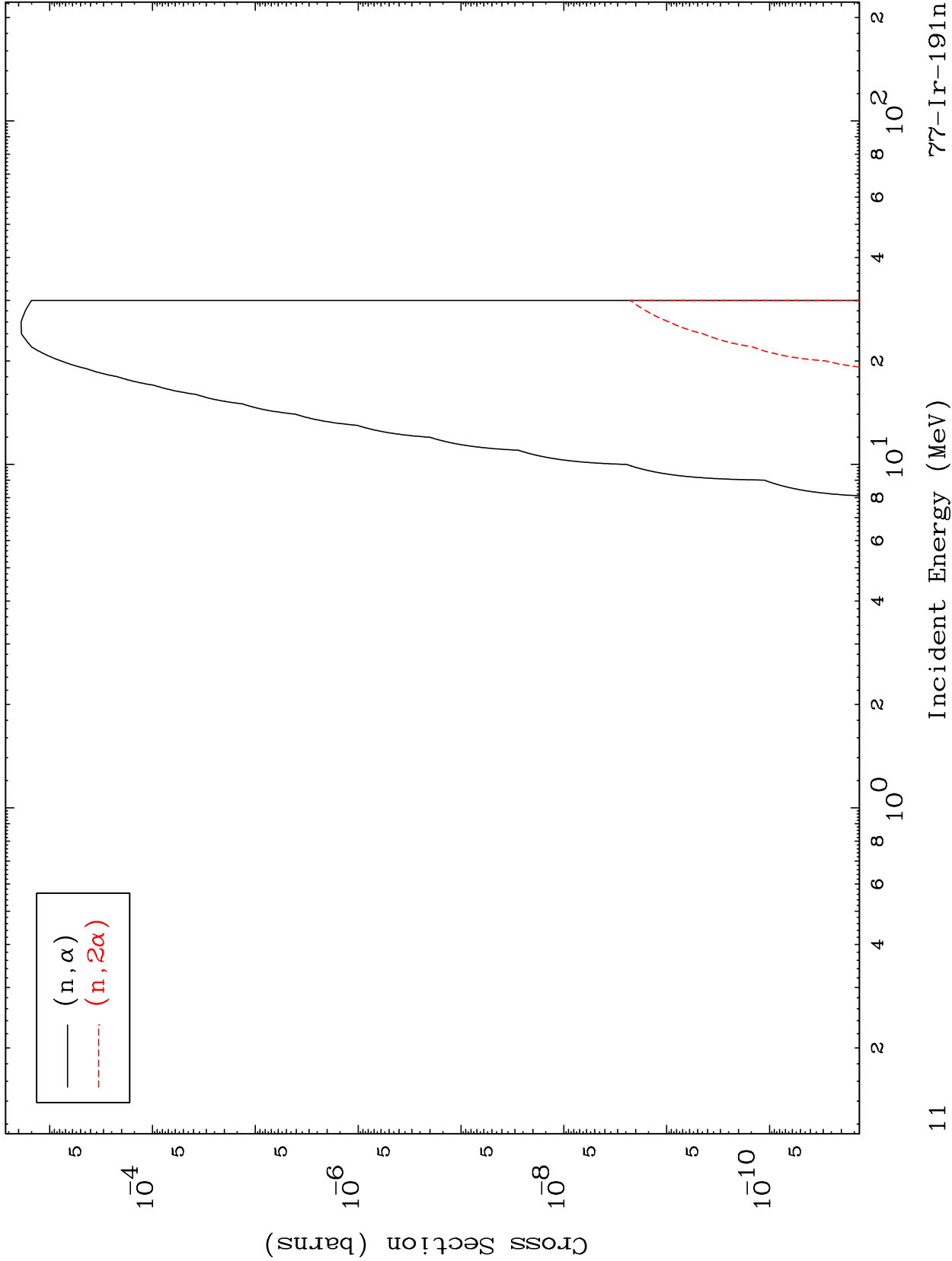
Incident Energy (MeV)

77-Ir-191n

MAT 7727

(He-3,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

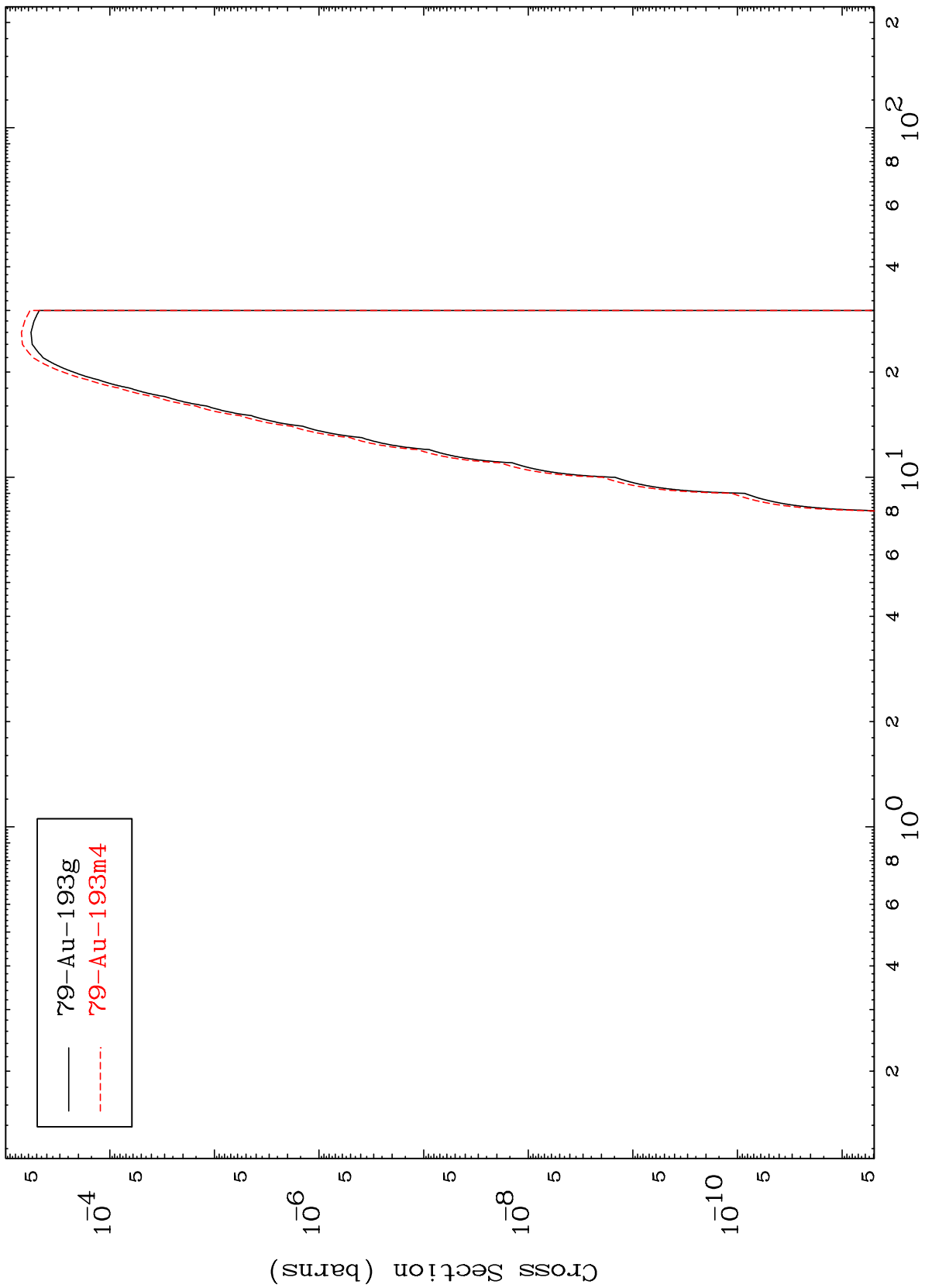
77-Ir-191n



MAT 7727

77-Ir-191n

Inelastic  
Radionuclide Production Cross Section



79-Au-193g  
79-Au-193m4

77-Ir-191n

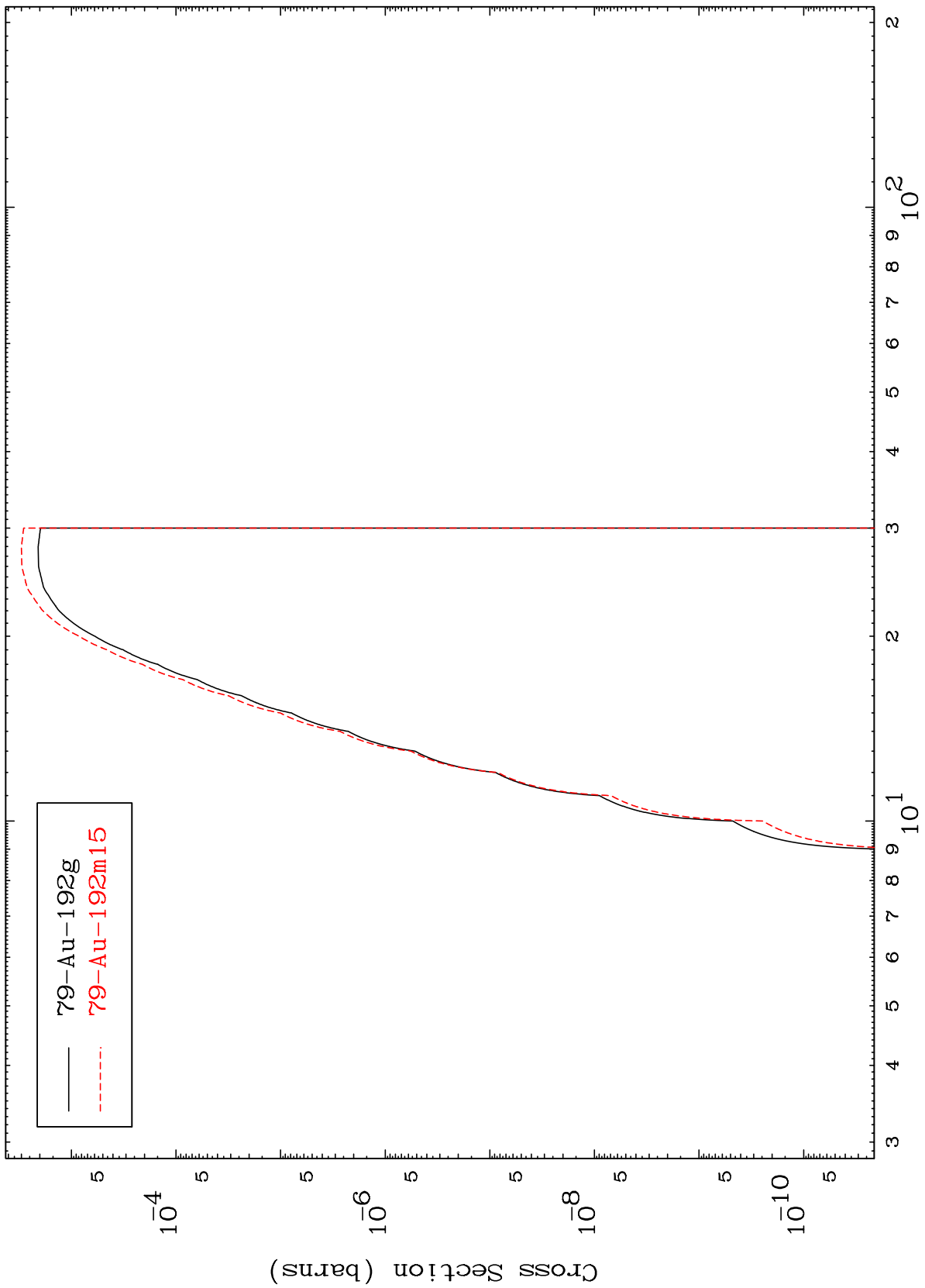
Incident Energy (MeV)

12

MAT 7727

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>77</sup>Ir-191n

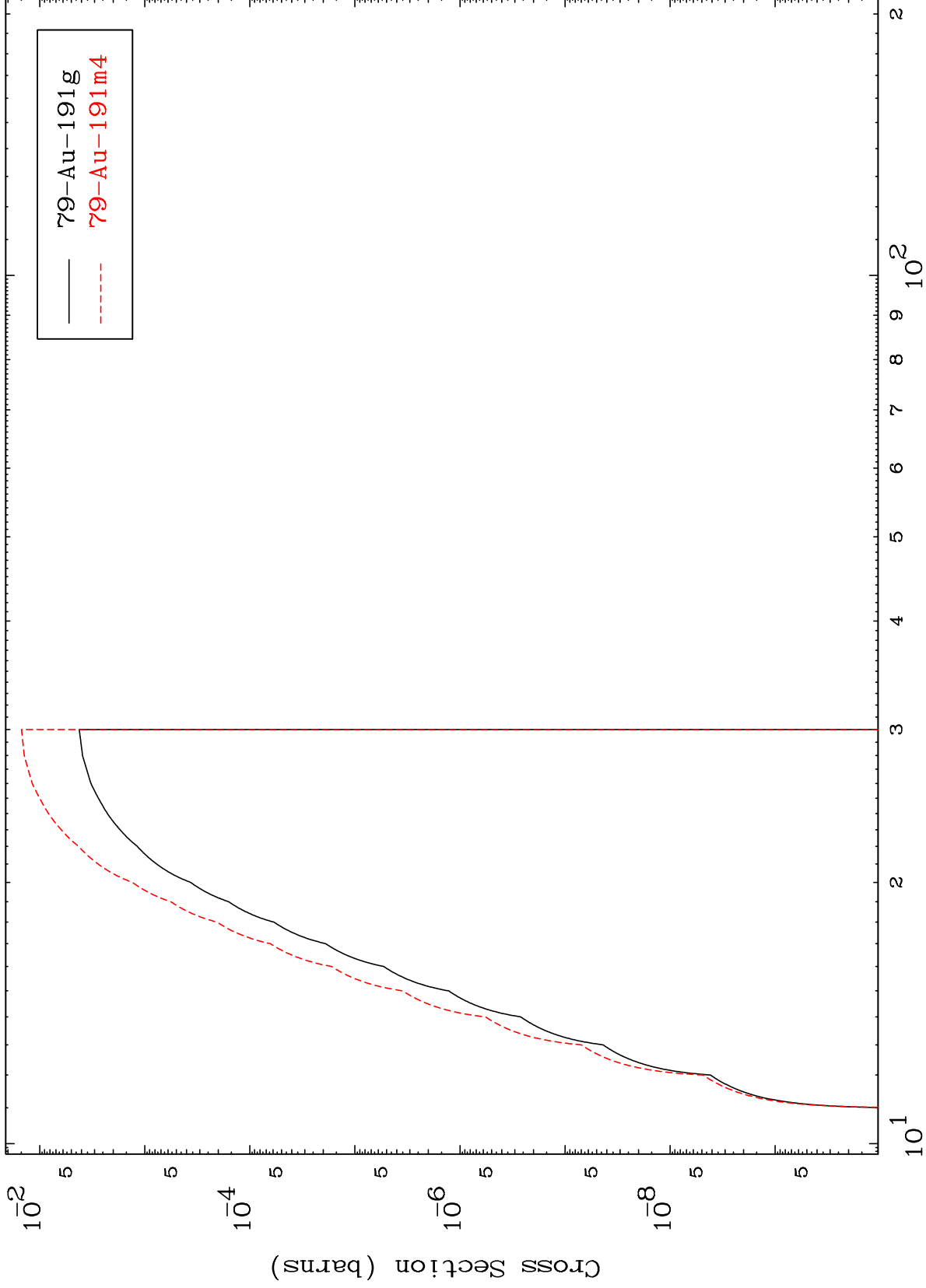
13

MAT 7727

(n,3n)

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section



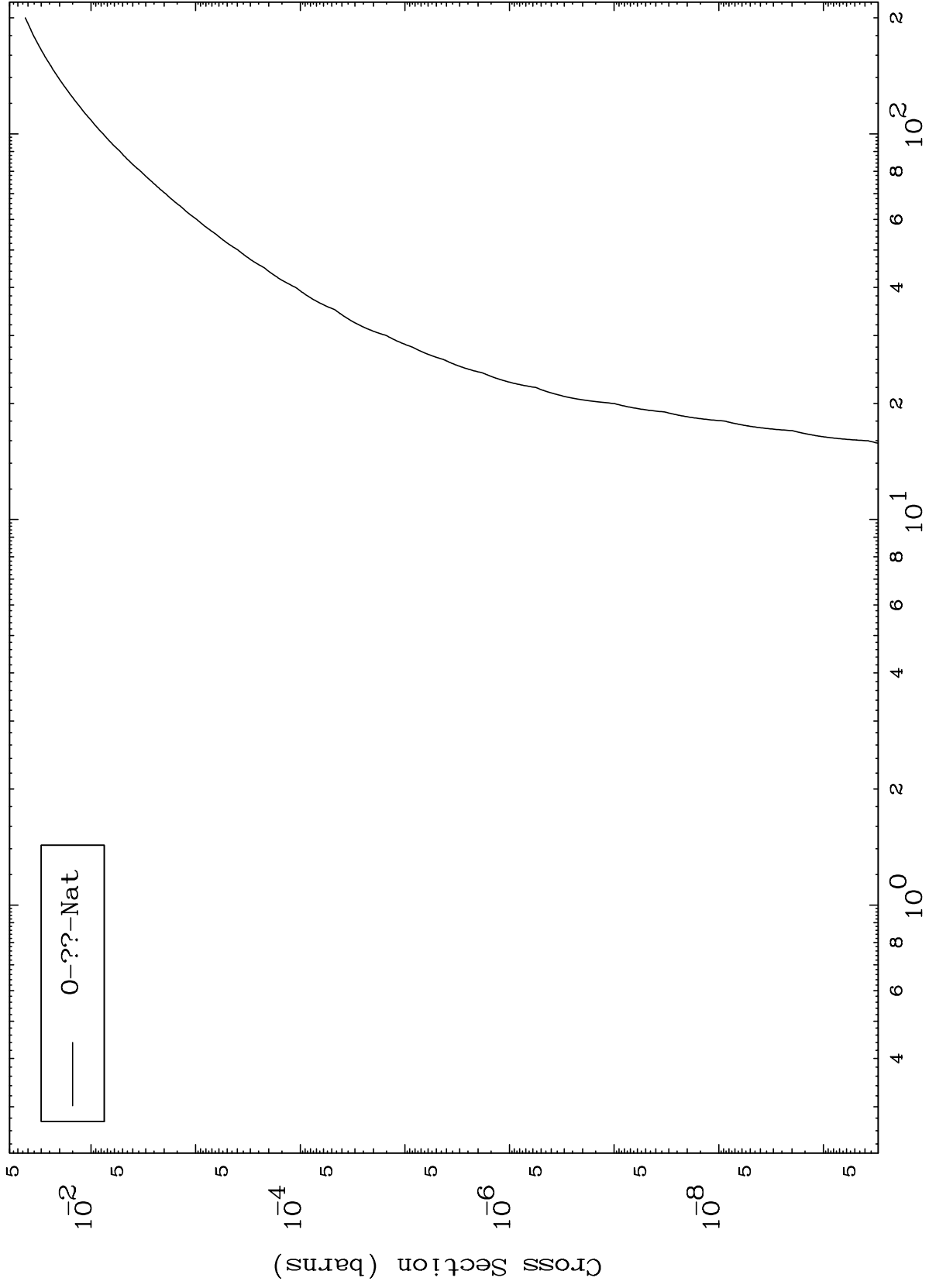
Incident Energy (MeV)

<sup>77</sup>Ir-191n

MAT 7727

Fission  
Radionuclide Production Cross Section

<sup>77</sup>Ir-191n

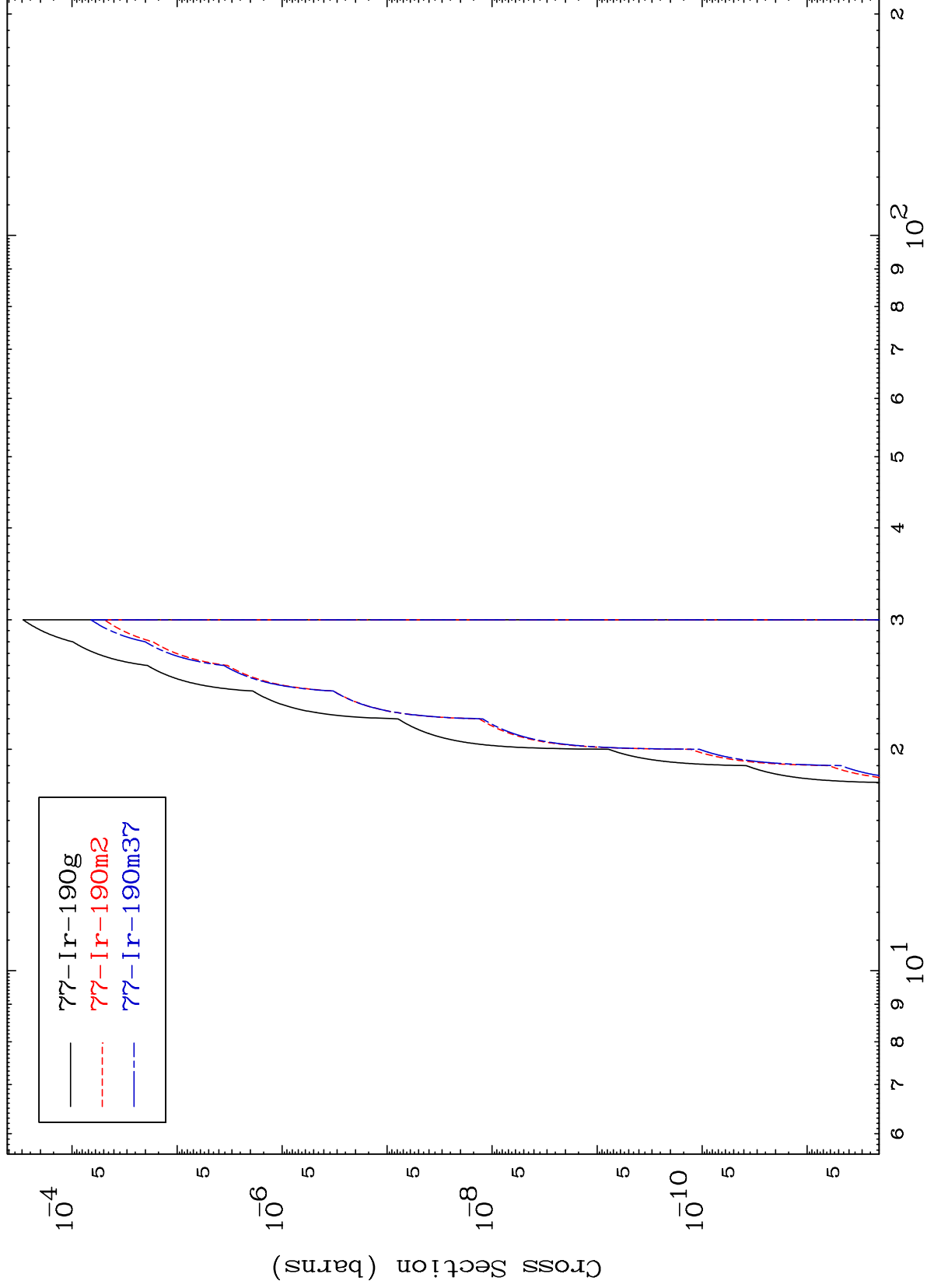


MAT 7727

(n,n') He-3

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section



16

Incident Energy (MeV)

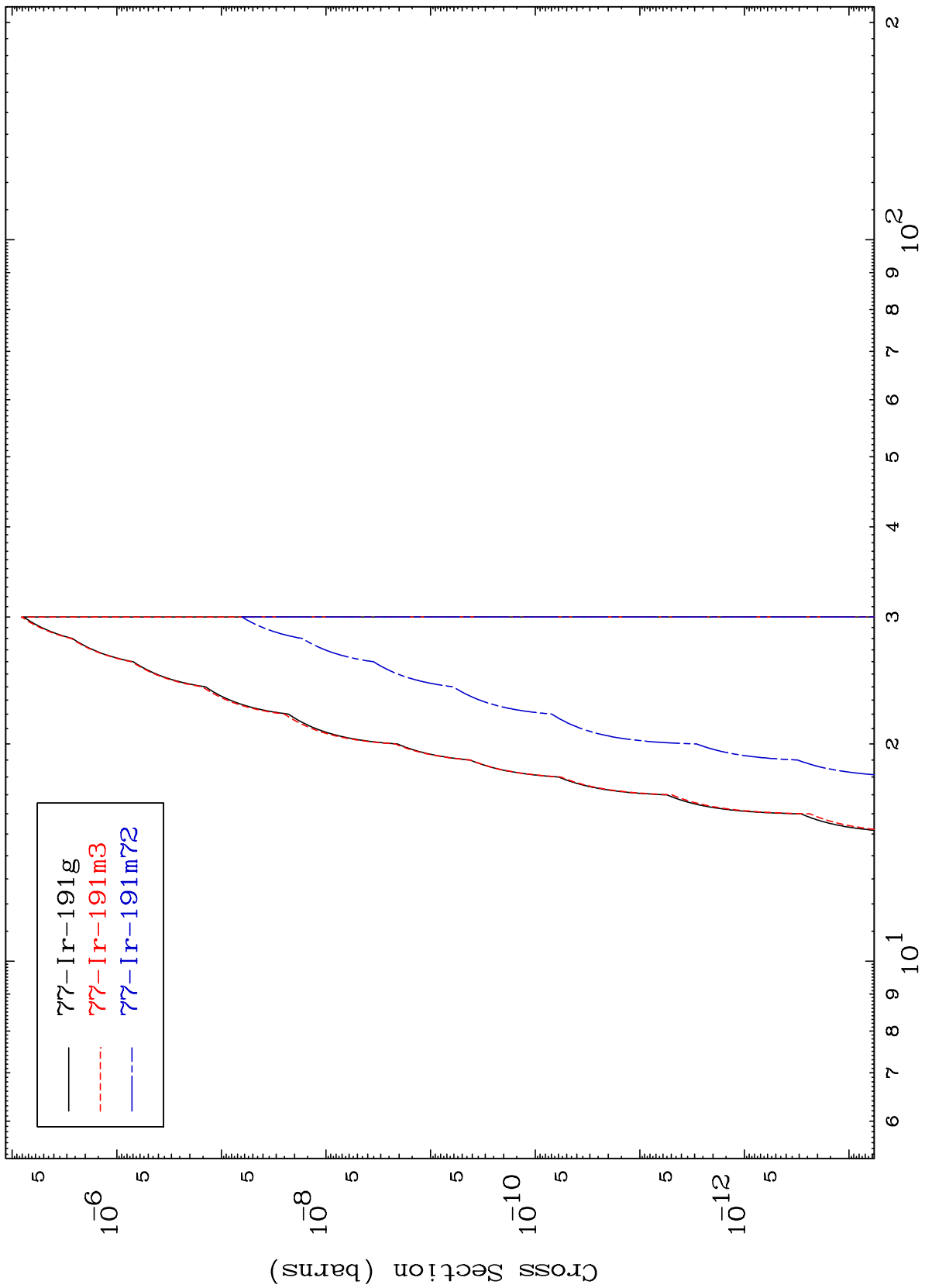
<sup>77</sup>Ir-191n

MAT 7727

<sup>77</sup>Ir-191n

(n,2n) p

Radionuclide Production Cross Section



— <sup>77</sup>Ir-191g  
- - <sup>77</sup>Ir-191m3  
- - <sup>77</sup>Ir-191m72

17

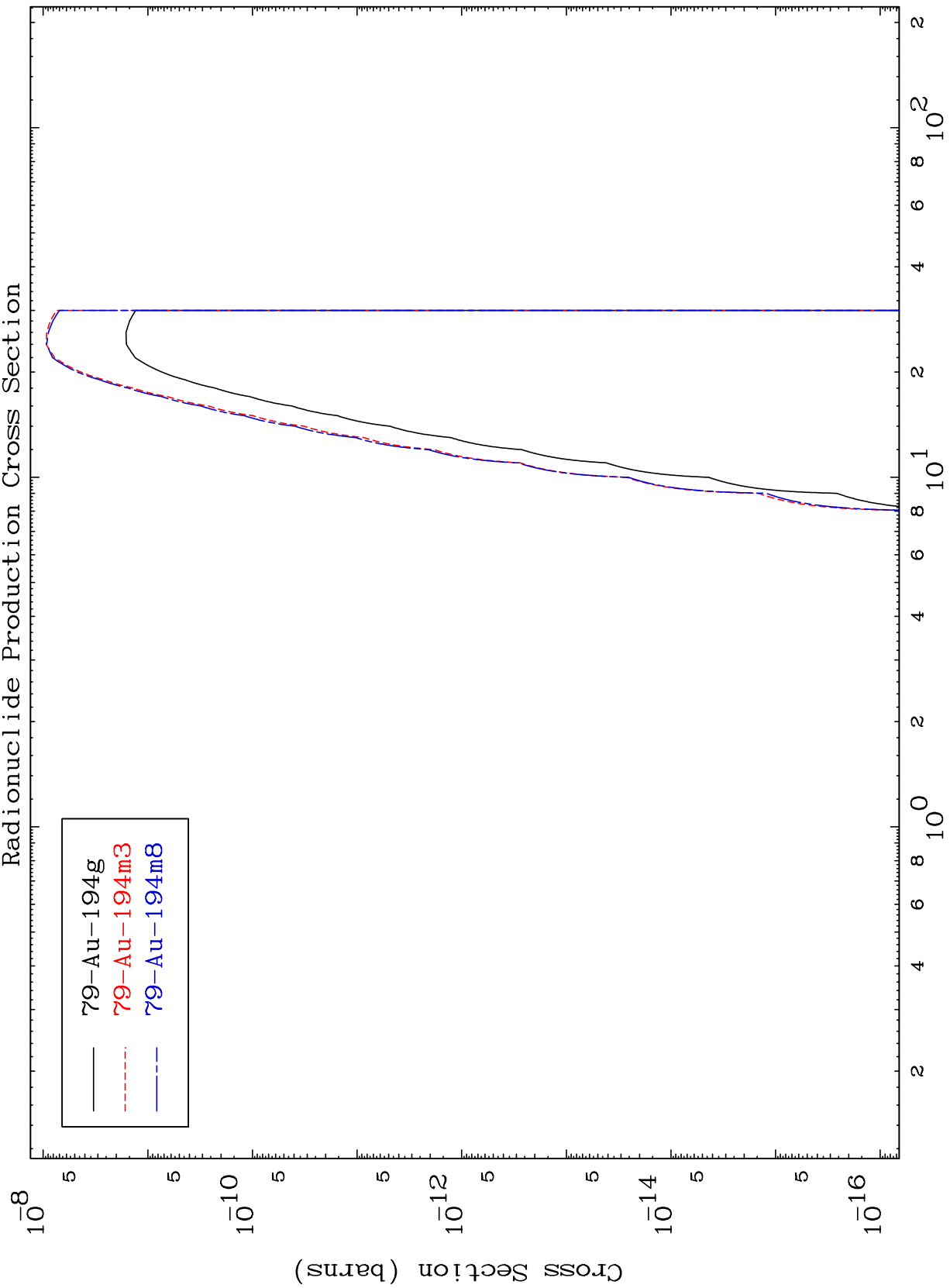
Incident Energy (MeV)

<sup>77</sup>Ir-191n

MAT 7727

<sup>77</sup>Ir-191n

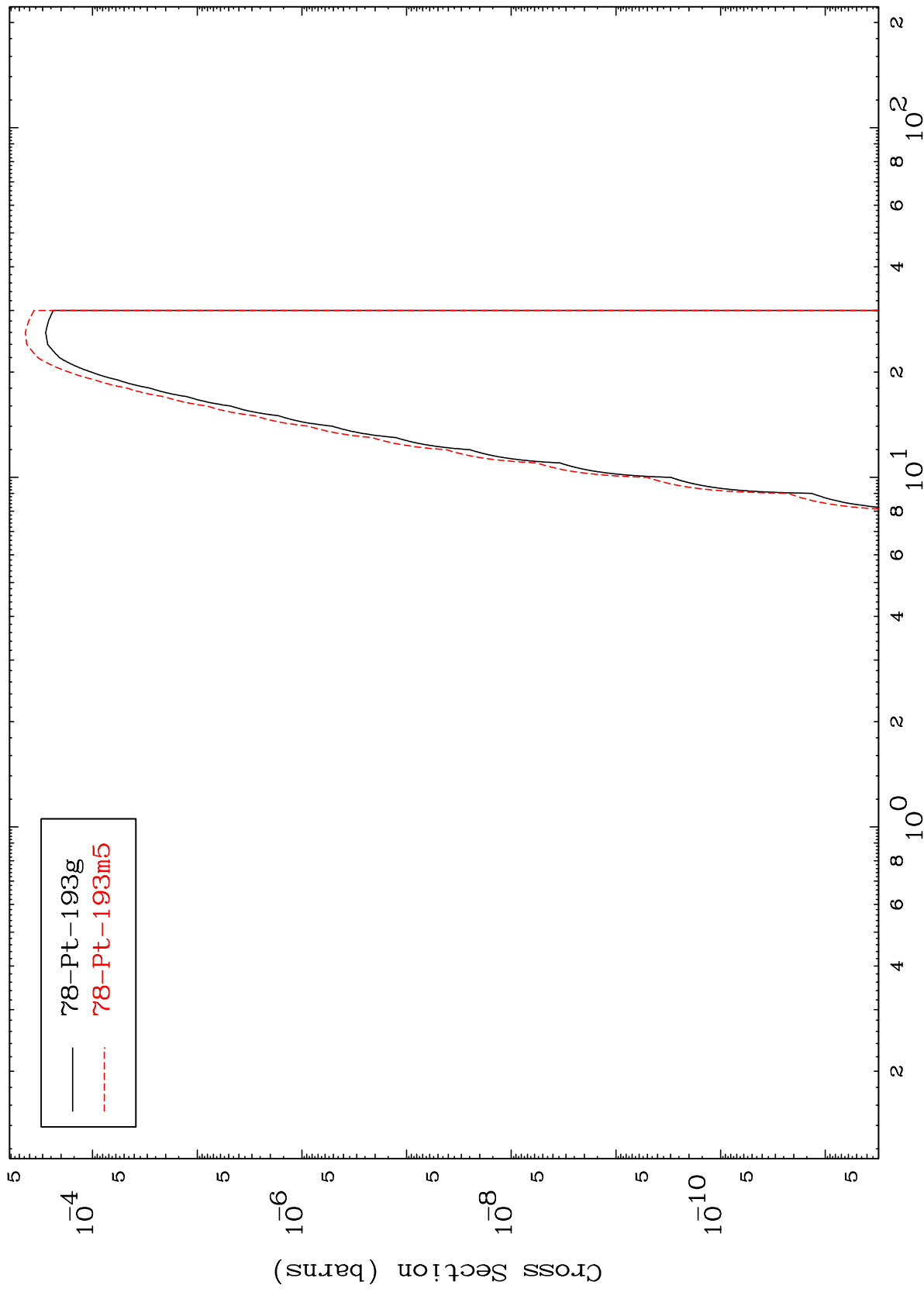
Radionuclide Production Cross Section  
(n,γ)



MAT 7727

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section (n,p)



19

<sup>77</sup>Ir-191n

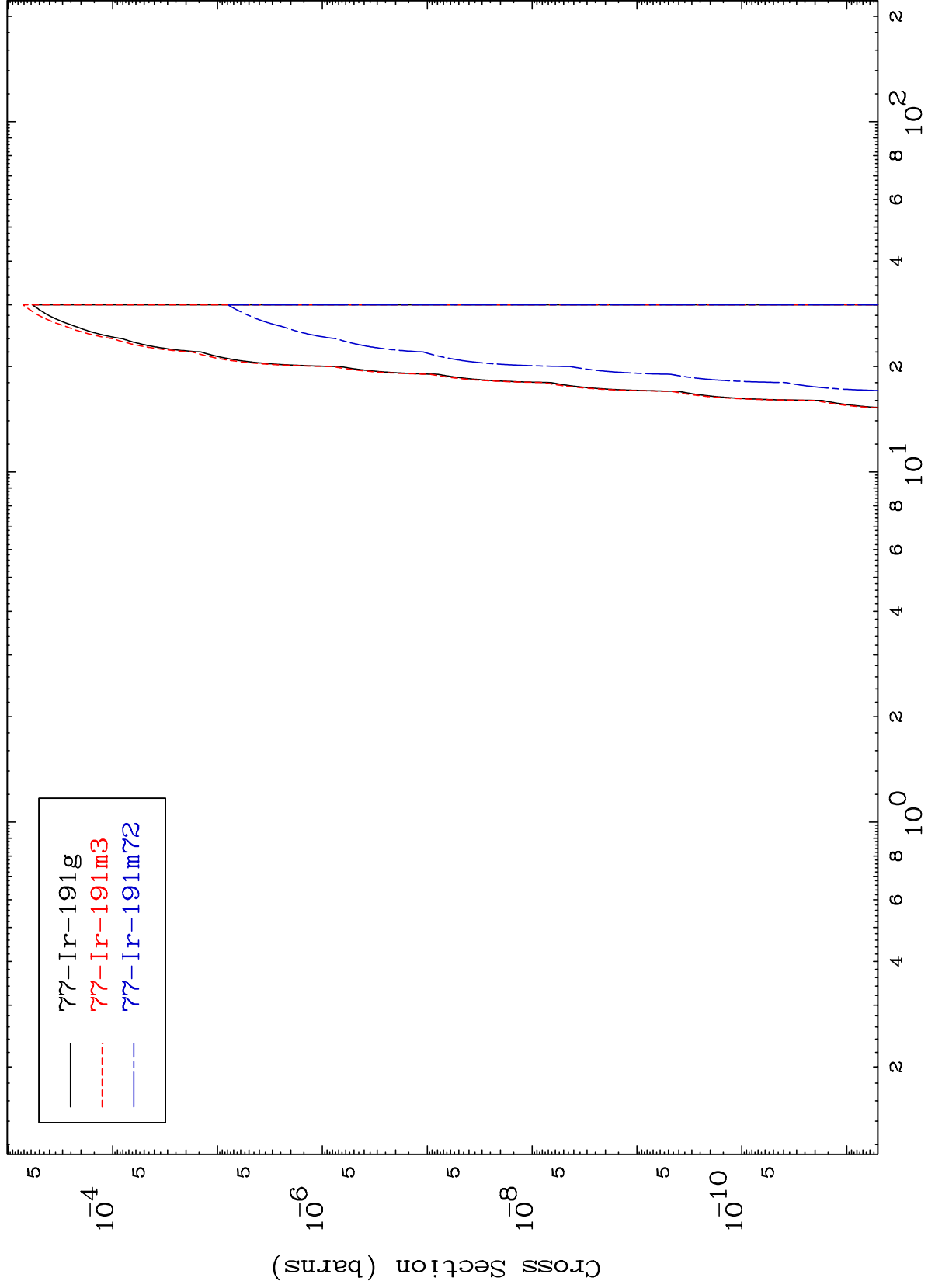
Incident Energy (MeV)

MAT 7727

(n,He-3)

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section



20

Incident Energy (MeV)

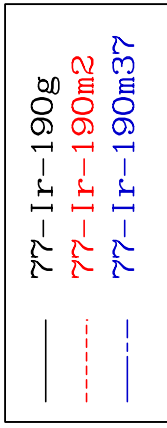
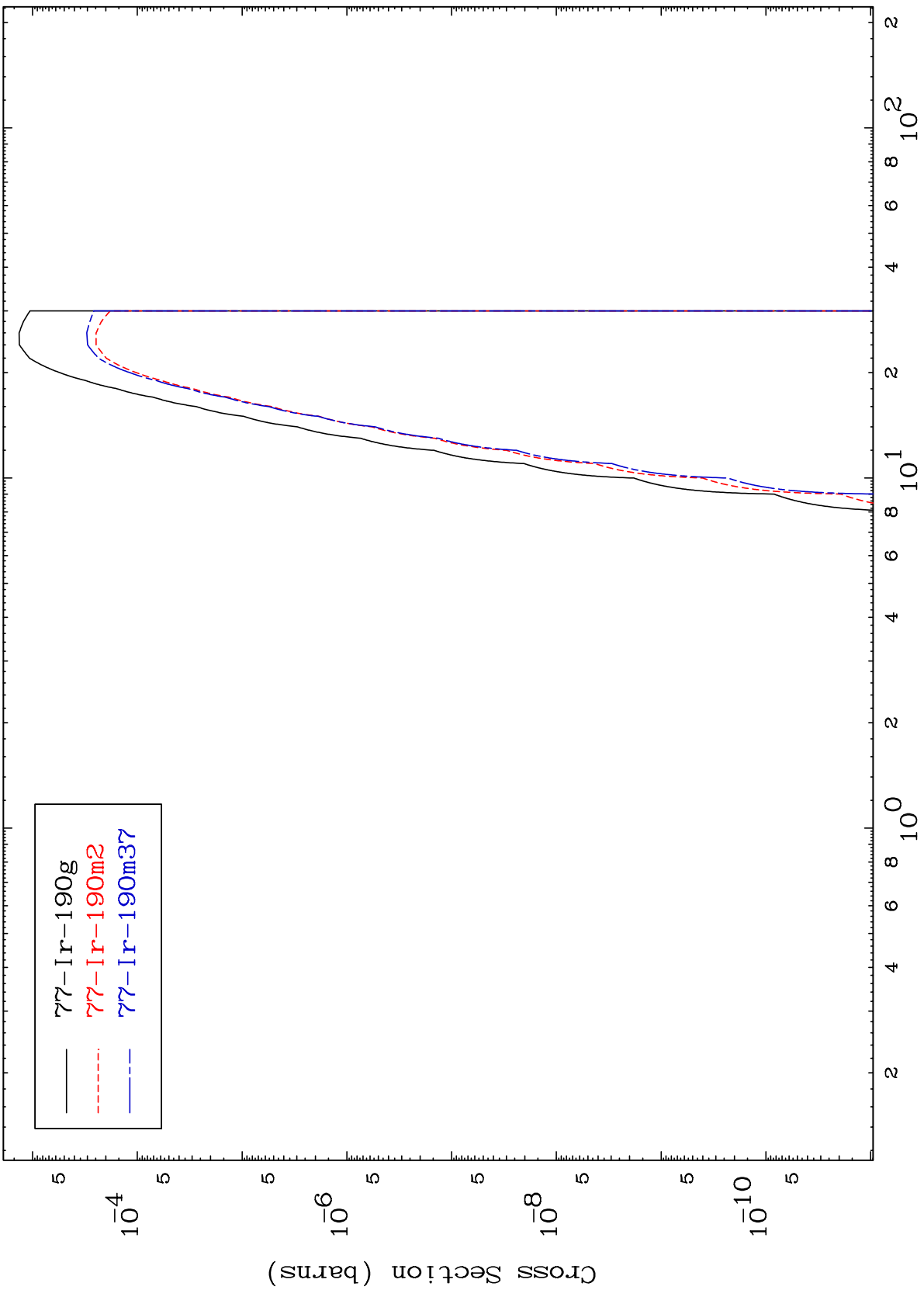
<sup>77</sup>Ir-191n

MAT 7727

(n,  $\alpha$ )

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section

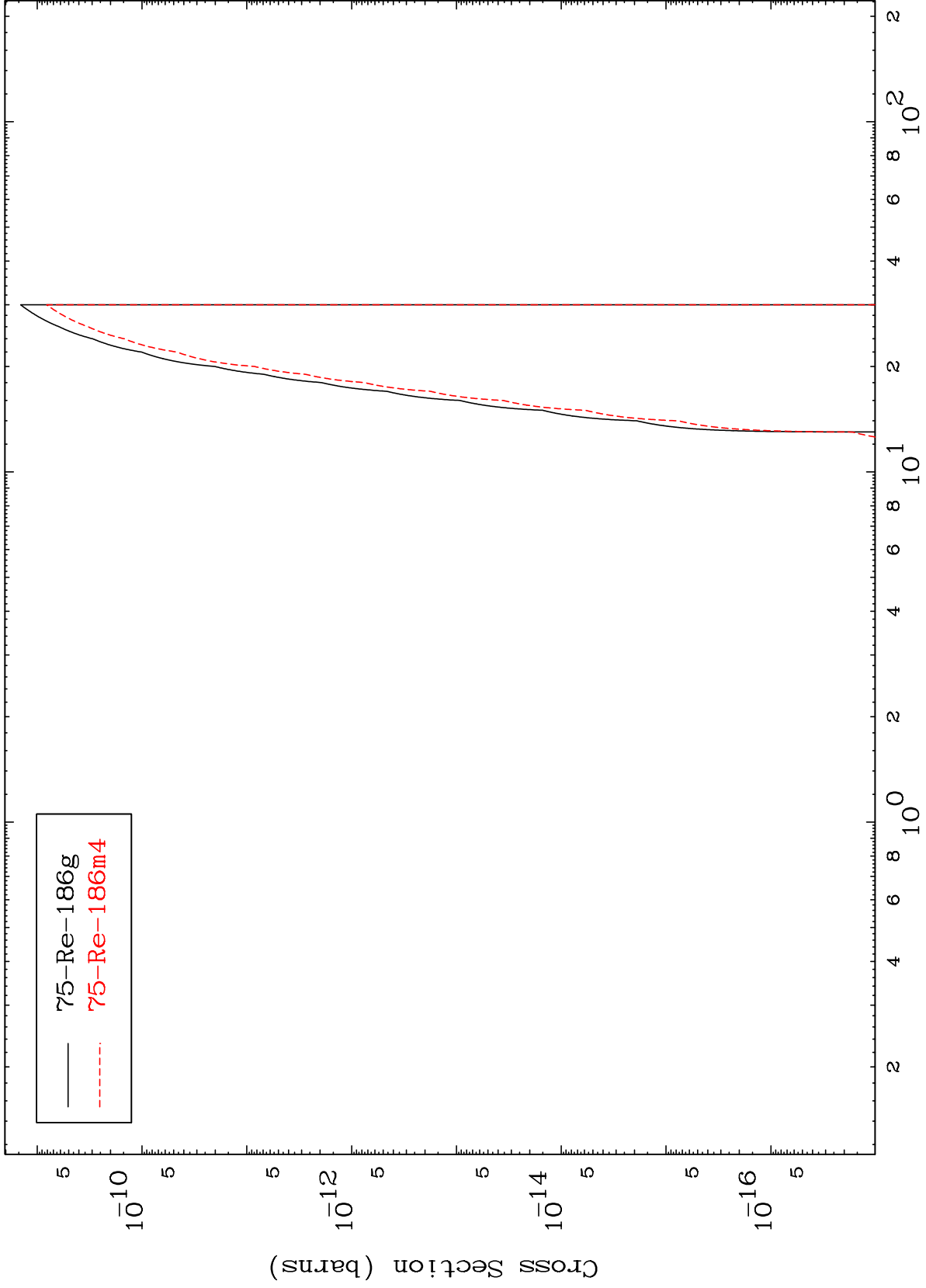
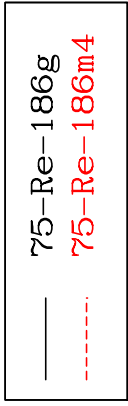


MAT 7727

(n,2α)

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section

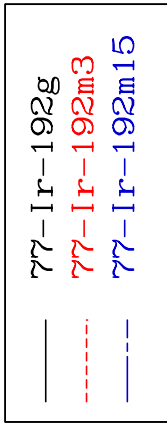
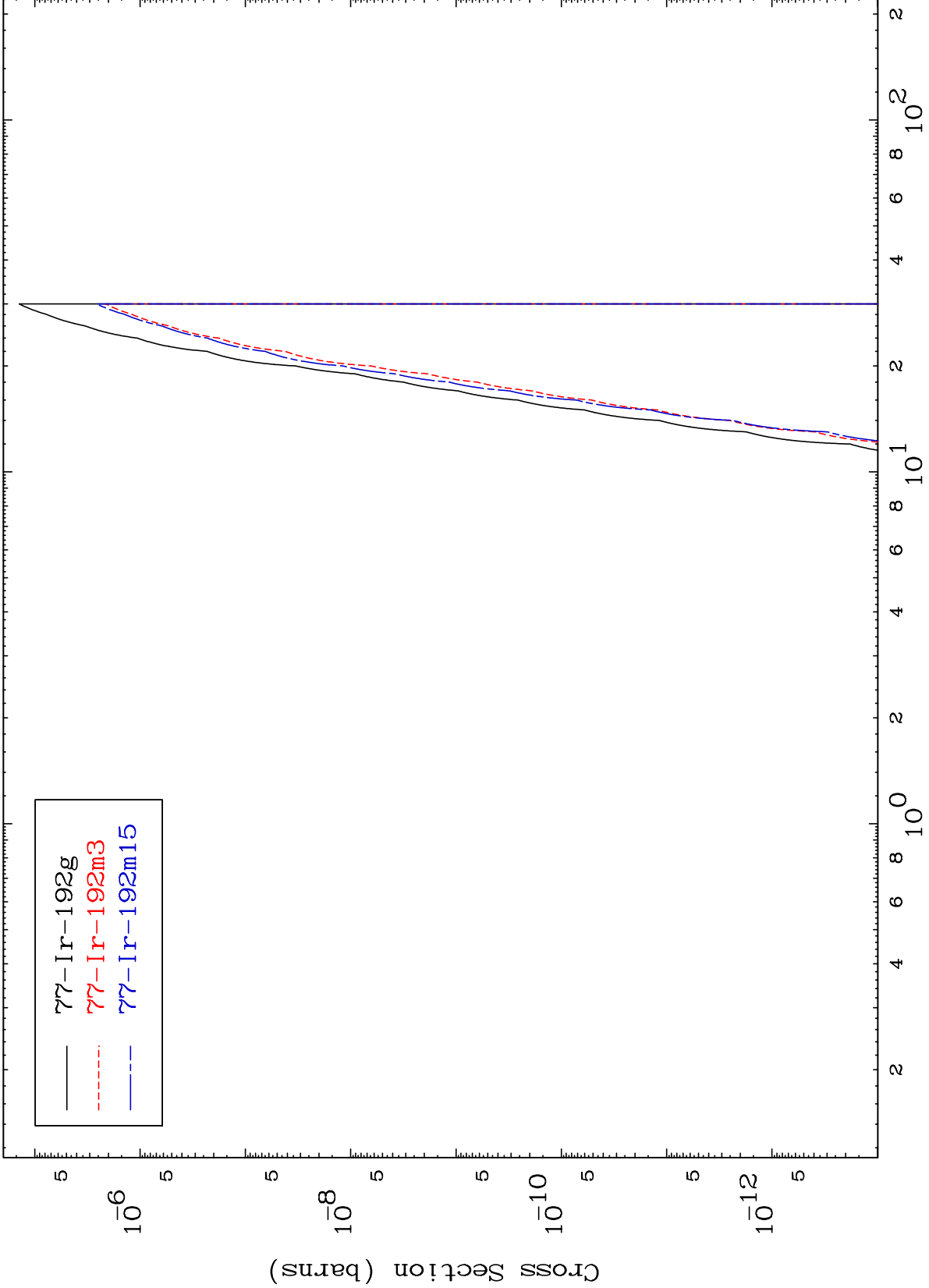


MAT 7727

(n,2p)

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section

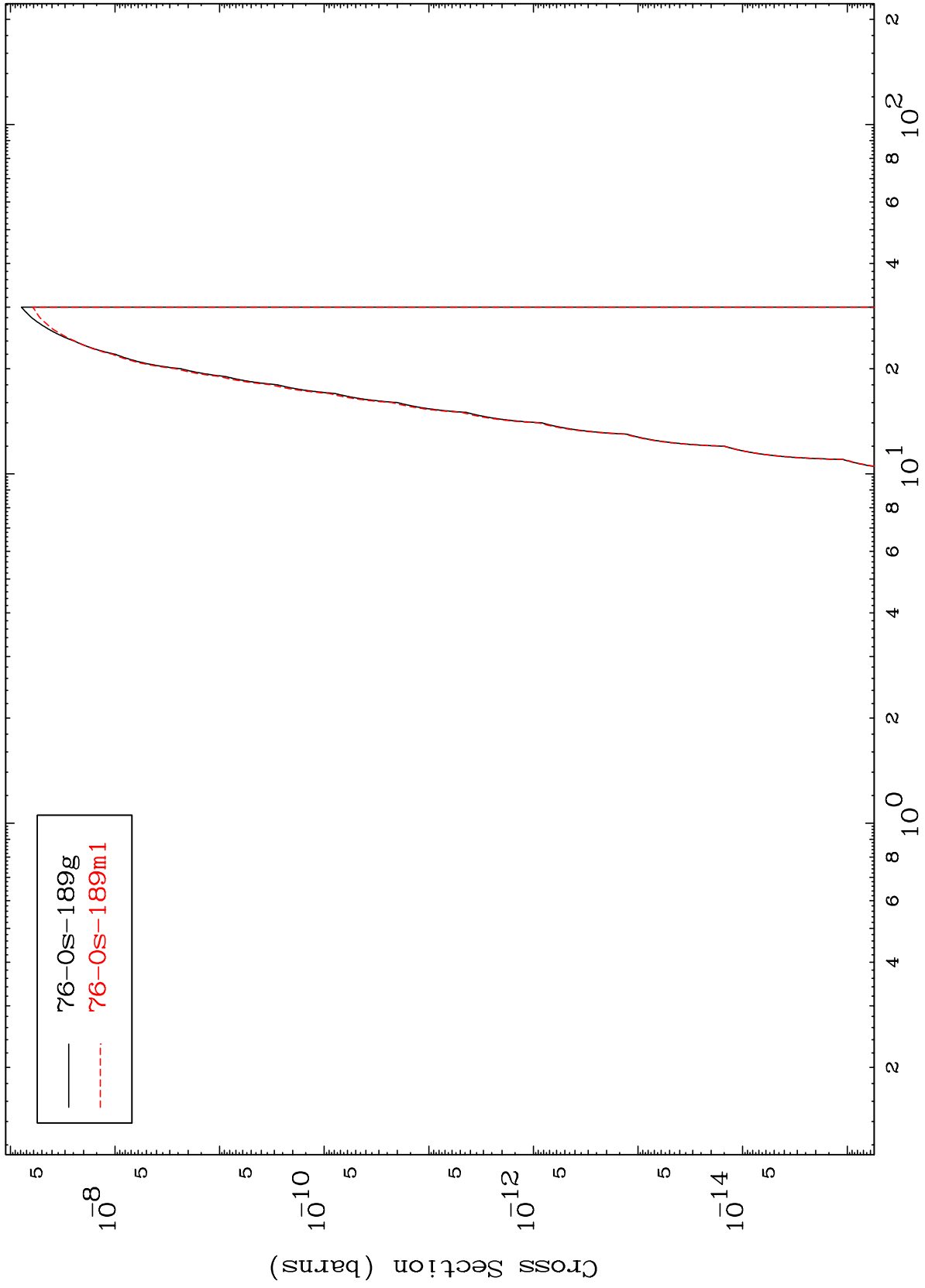


MAT 7727

(n,p)  $\alpha$

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section

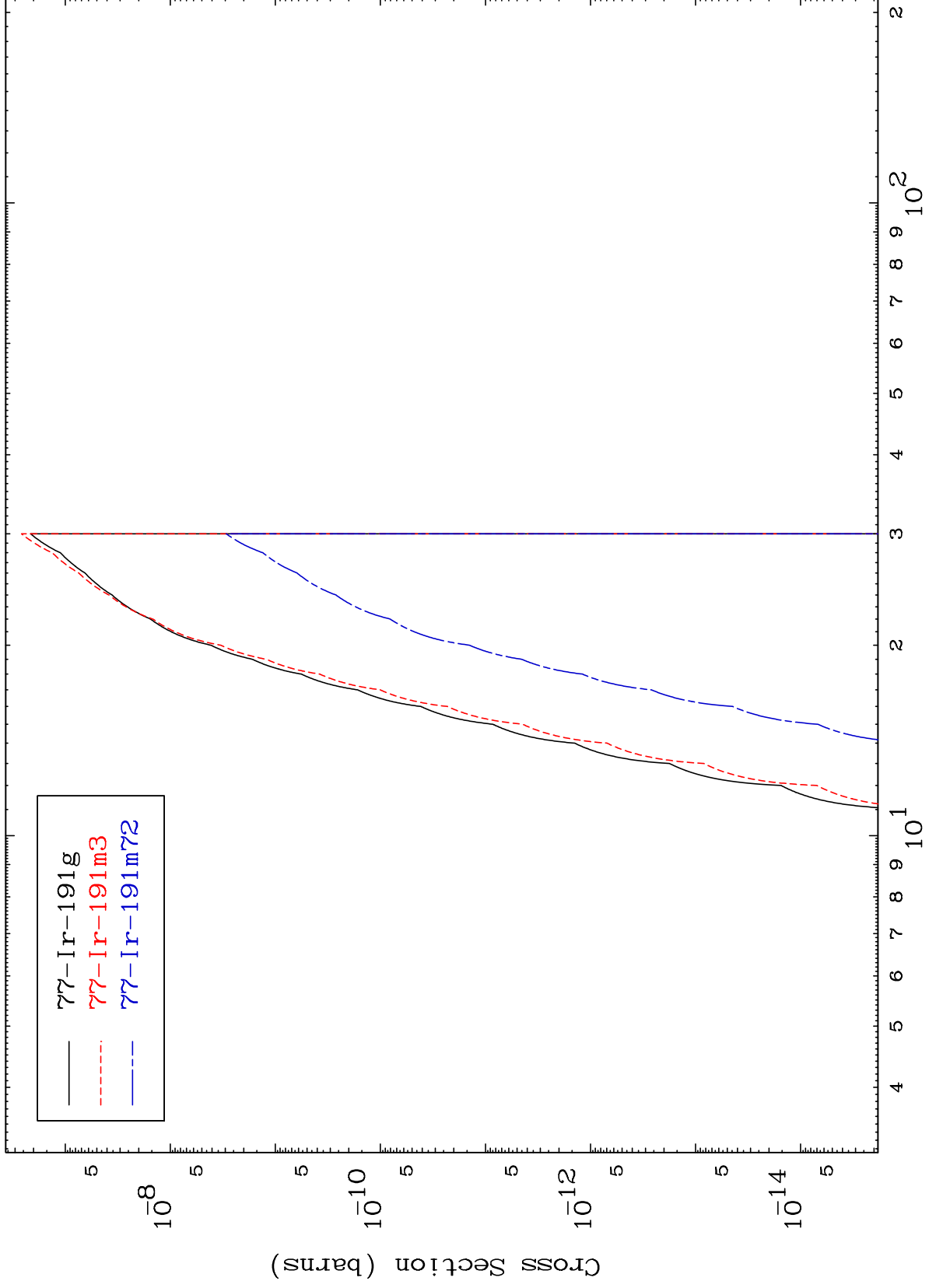


MAT 7727

(n,p) d

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section



25

Incident Energy (MeV)

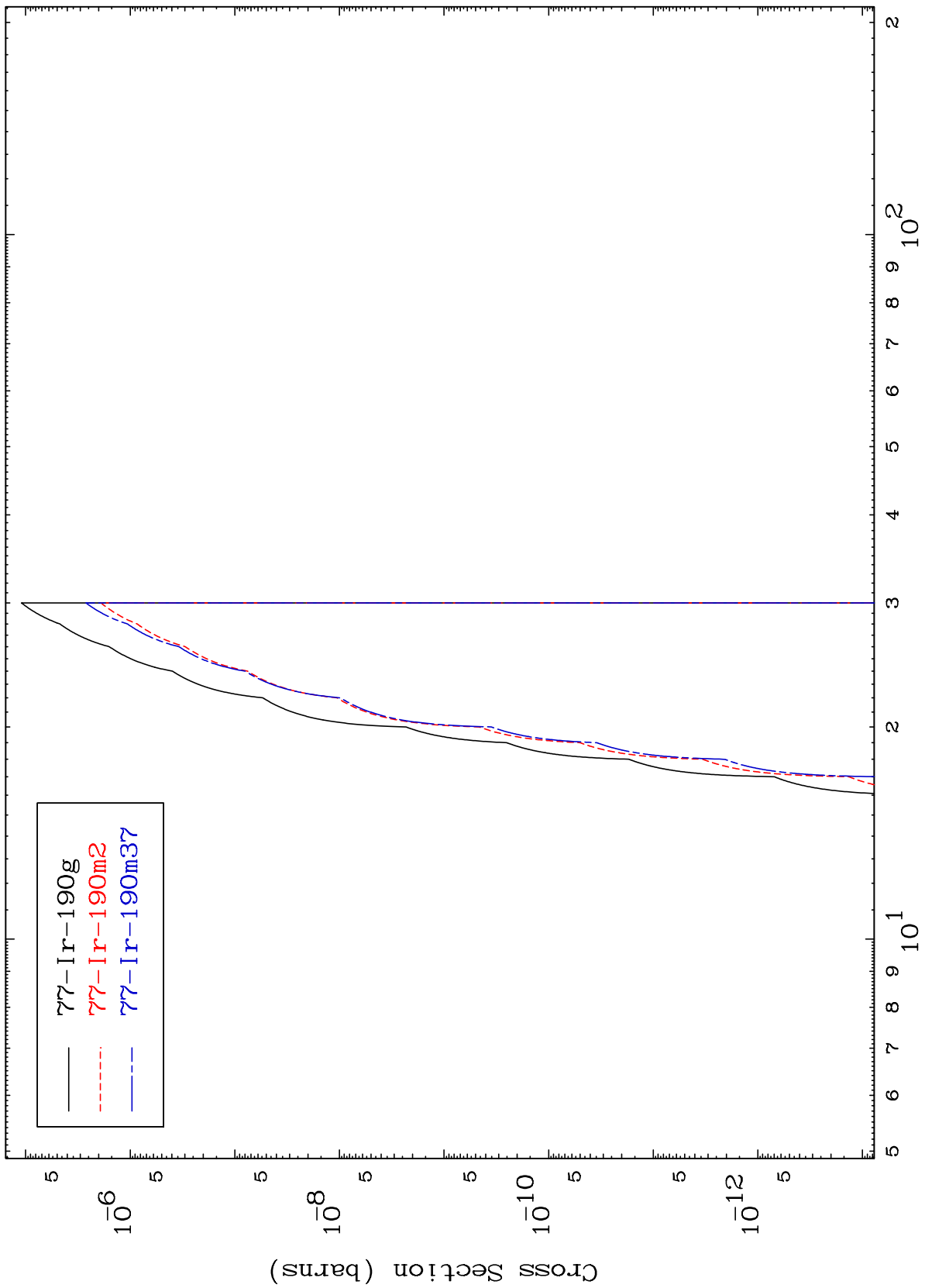
<sup>77</sup>Ir-191n

MAT 7727

(n,p) t

<sup>77</sup>Ir-191n

Radionuclide Production Cross Section



26

Incident Energy (MeV)

<sup>77</sup>Ir-191n