

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

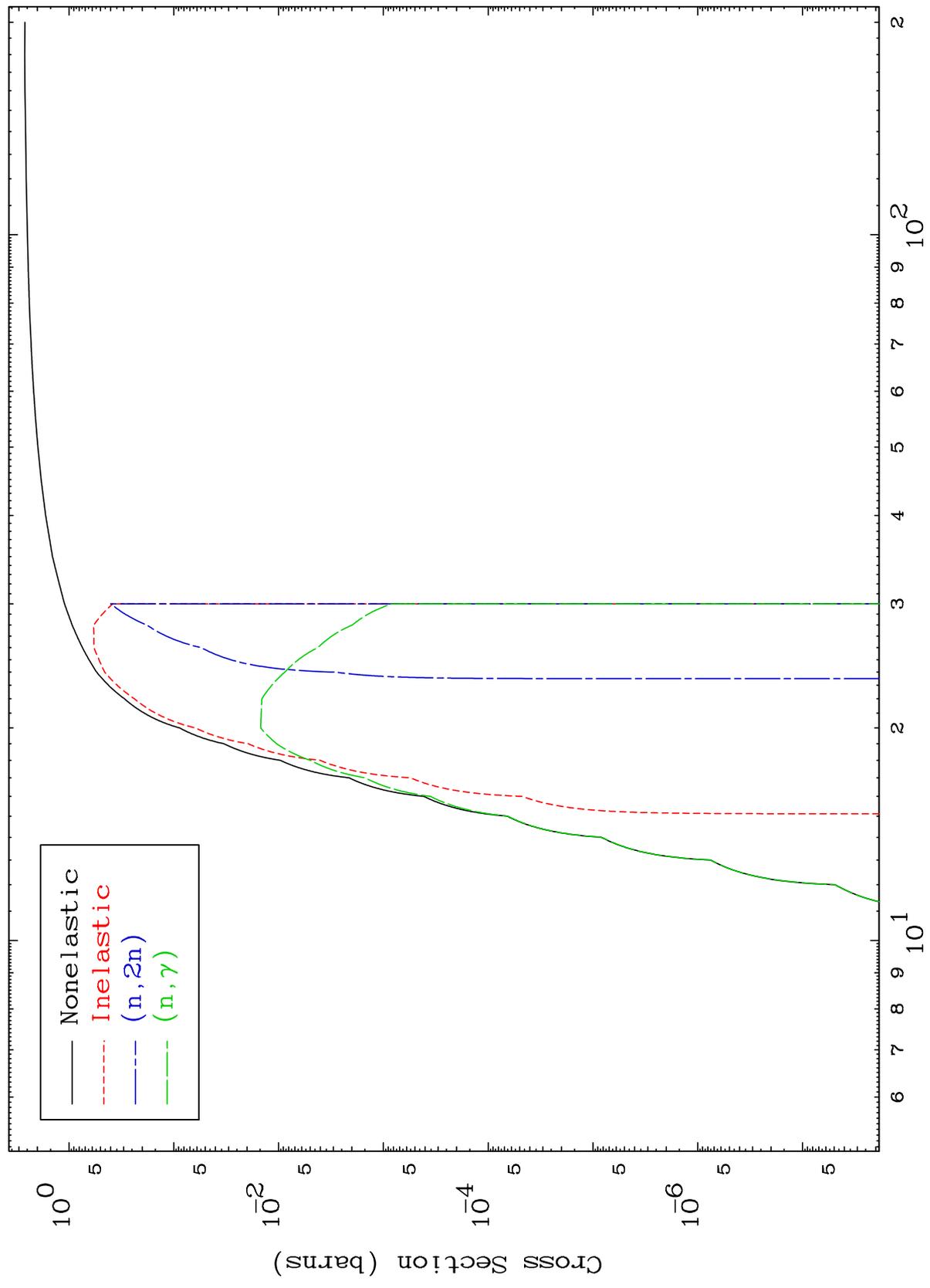
Press Mouse Button to Start

MAT 7695

0 Kelvin

$\alpha$  Major Cross Sections

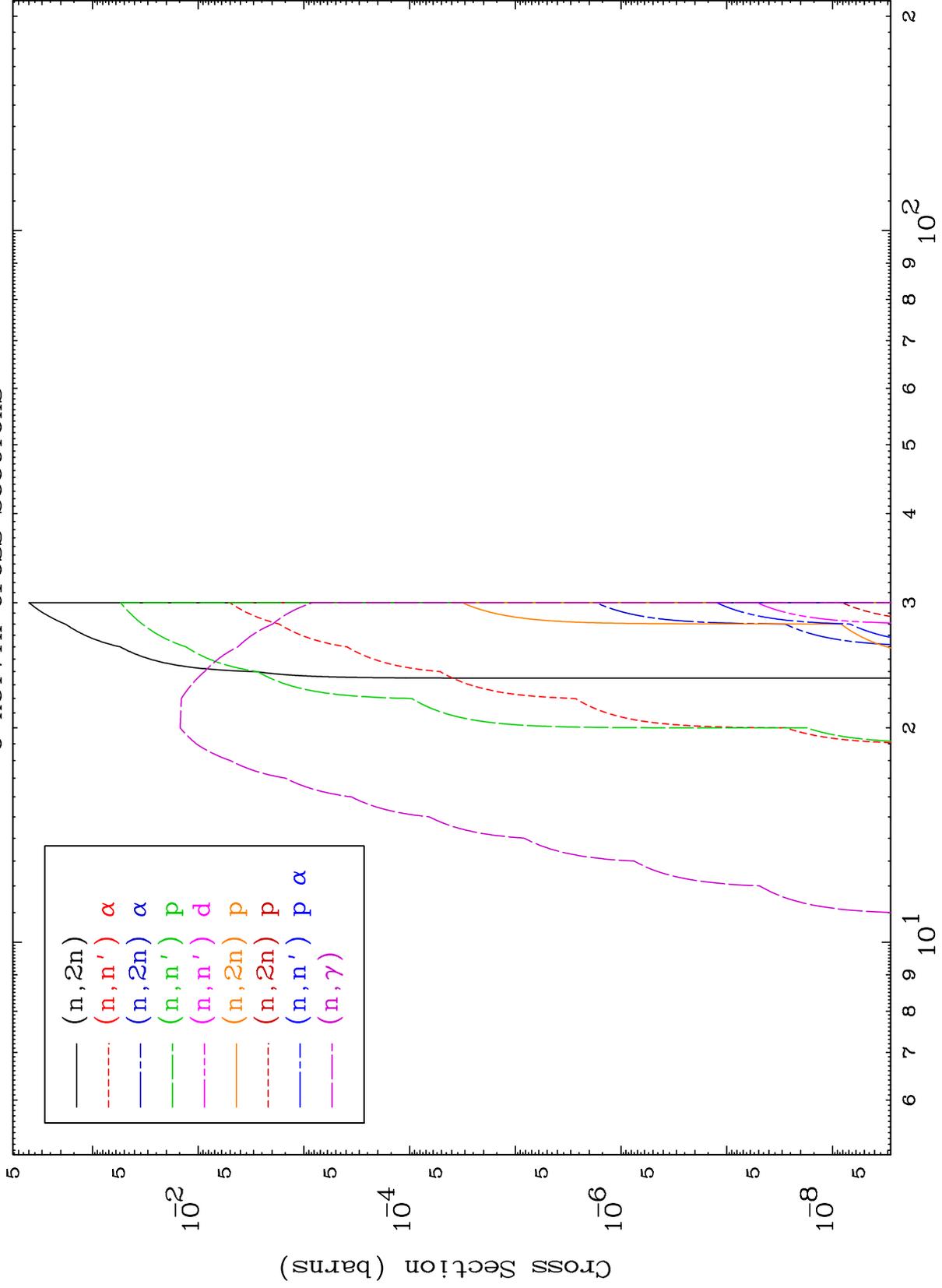
<sup>77</sup>Ir-181

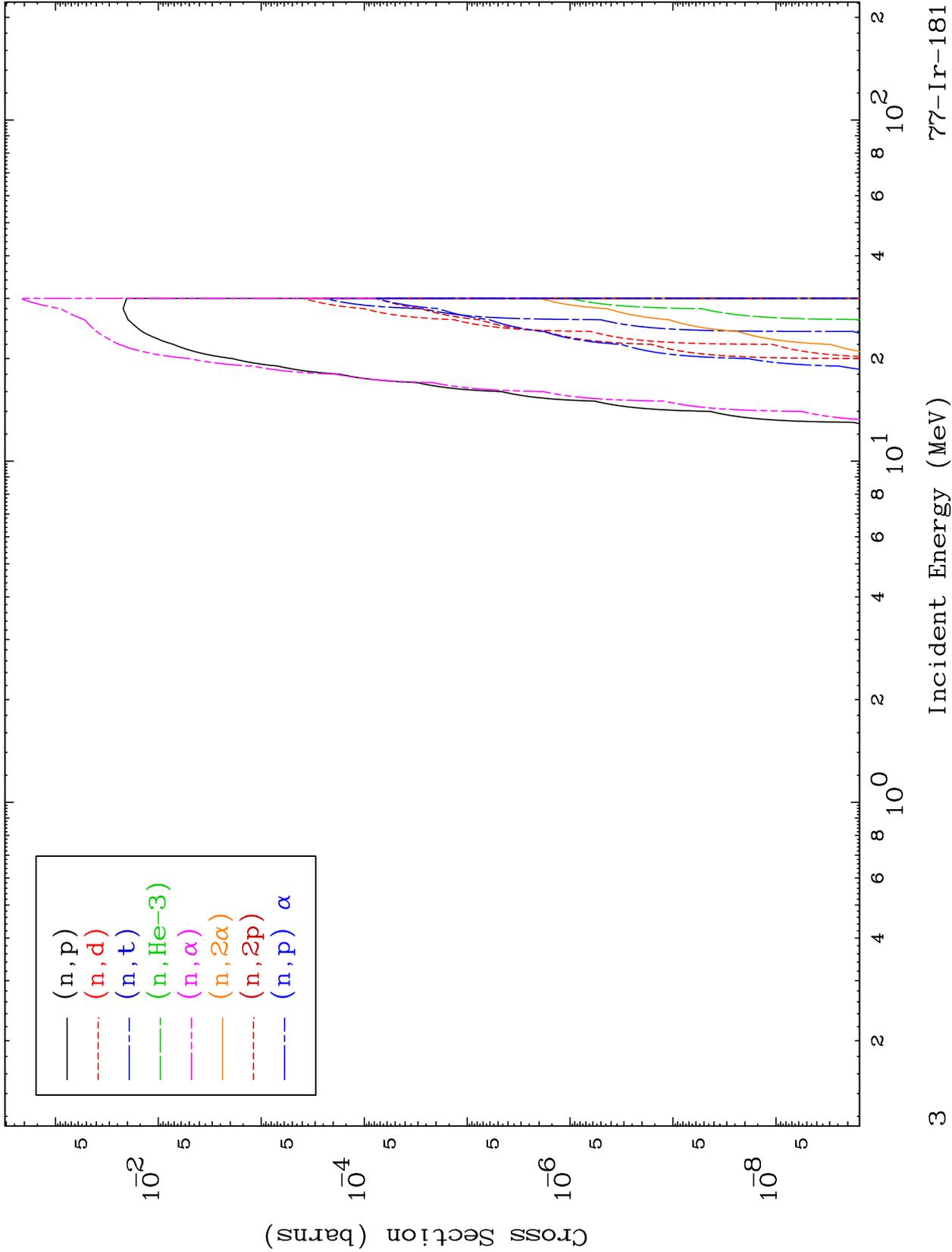


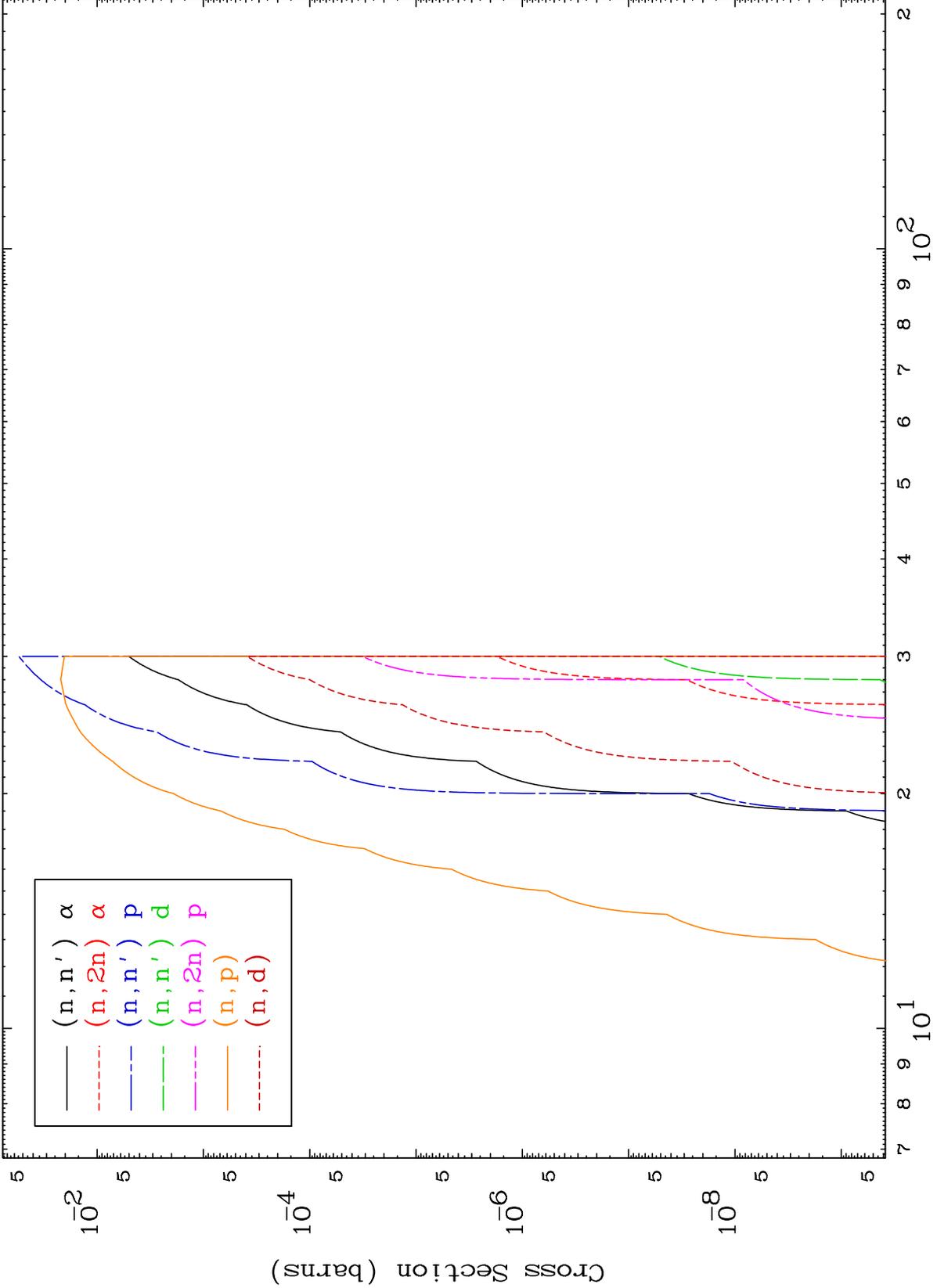
1

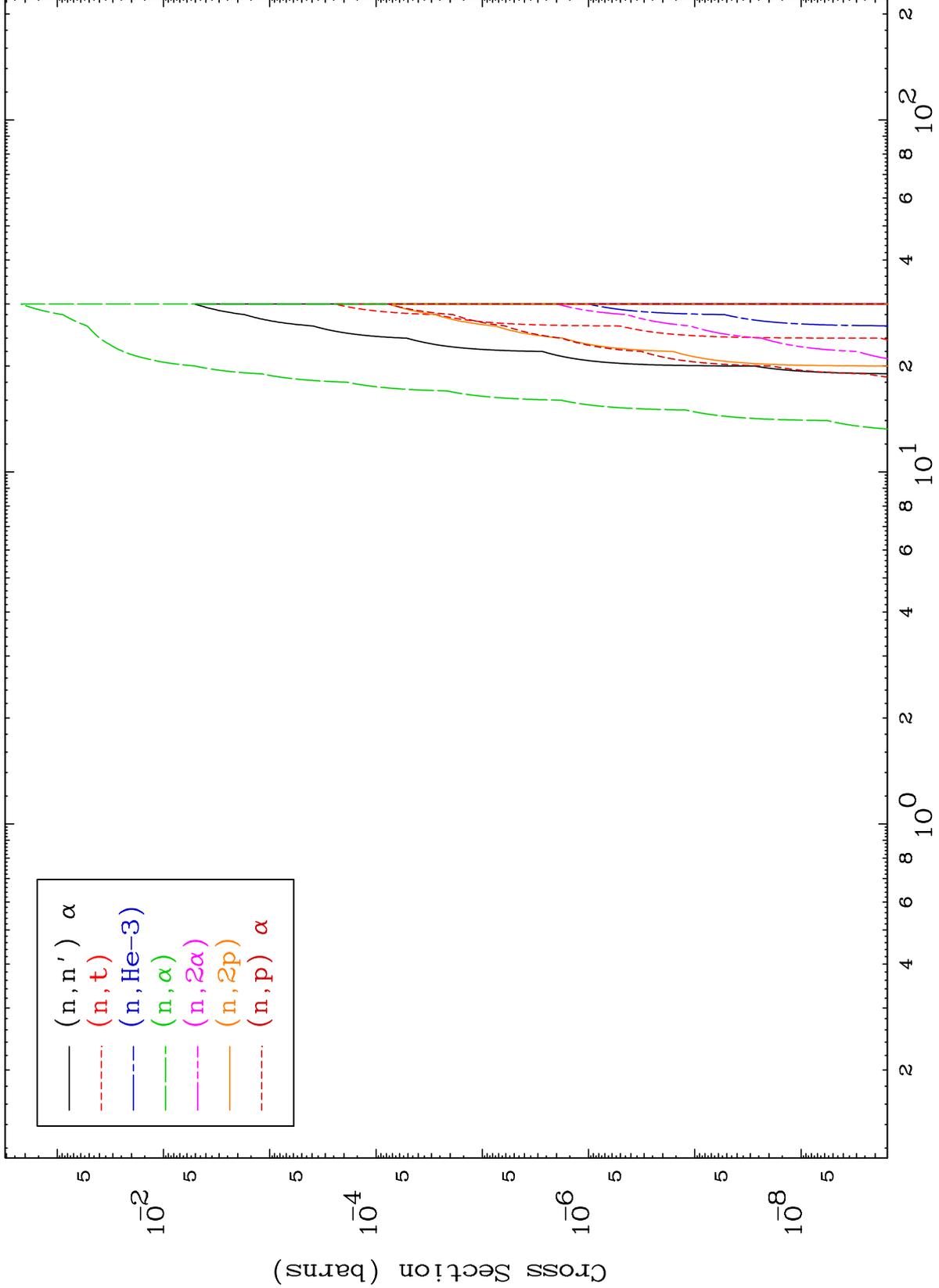
Incident Energy (MeV)

<sup>77</sup>Ir-181





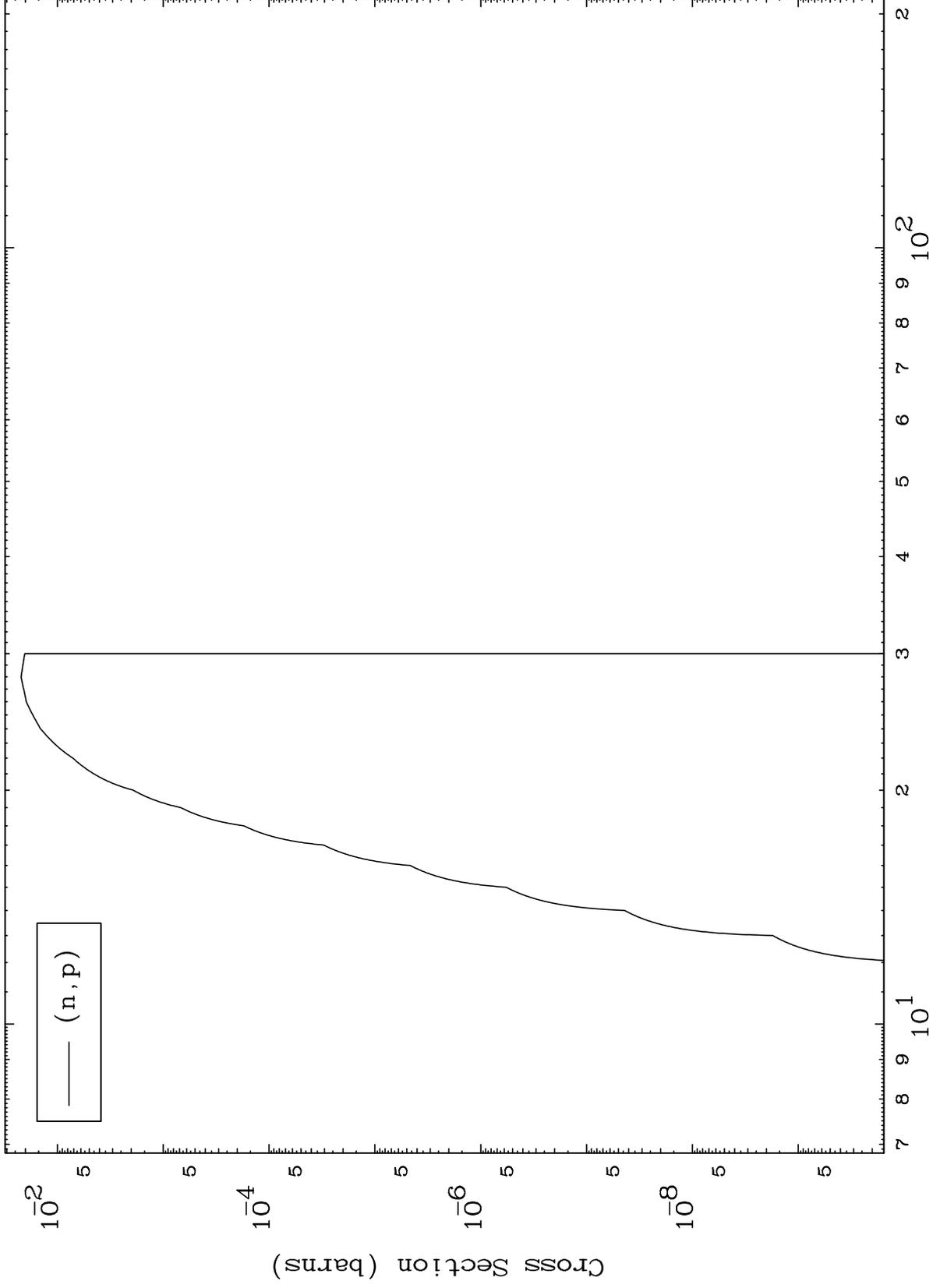




MAT 7695

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

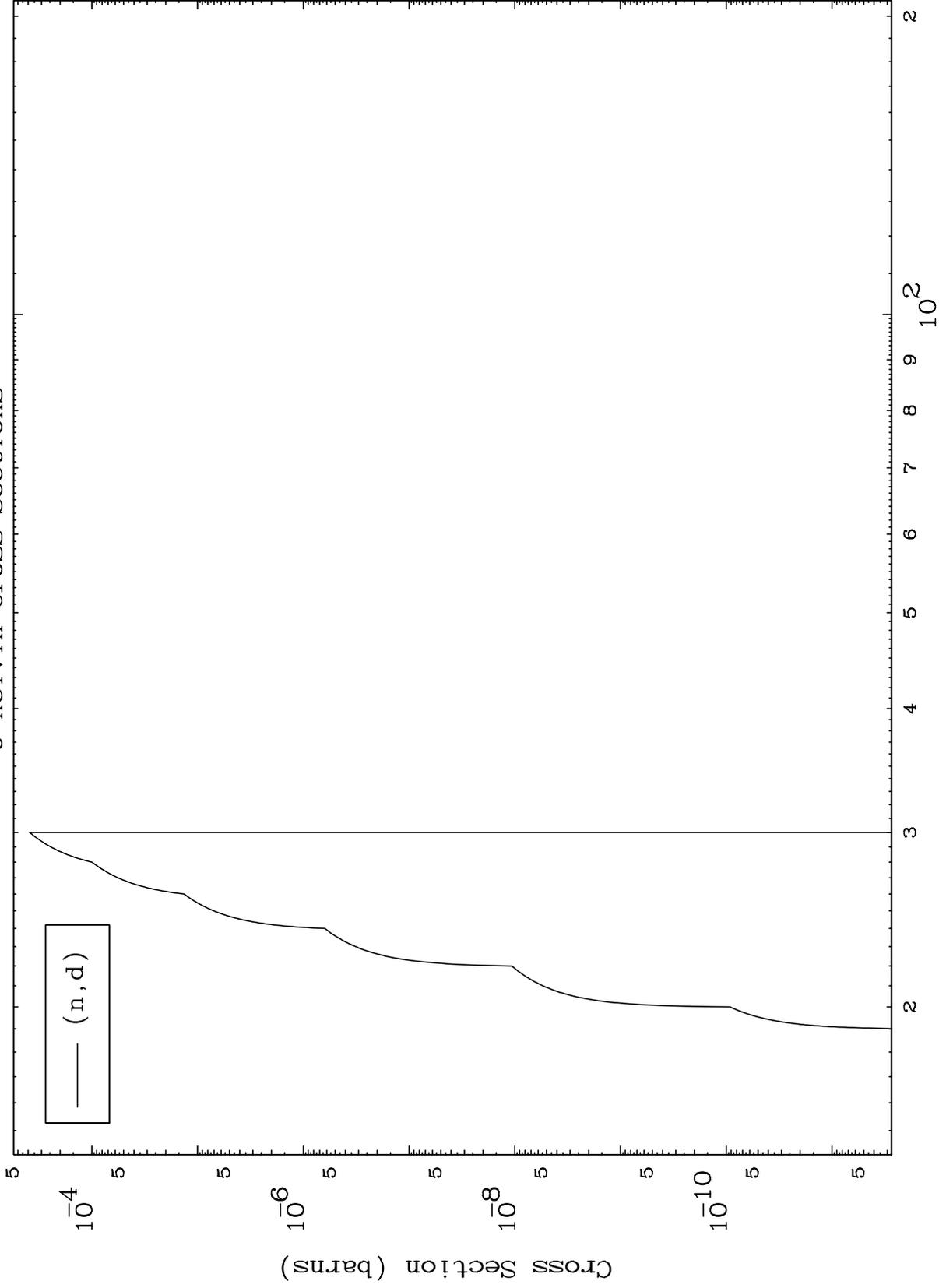
<sup>77</sup>Ir-181



6

Incident Energy (MeV)

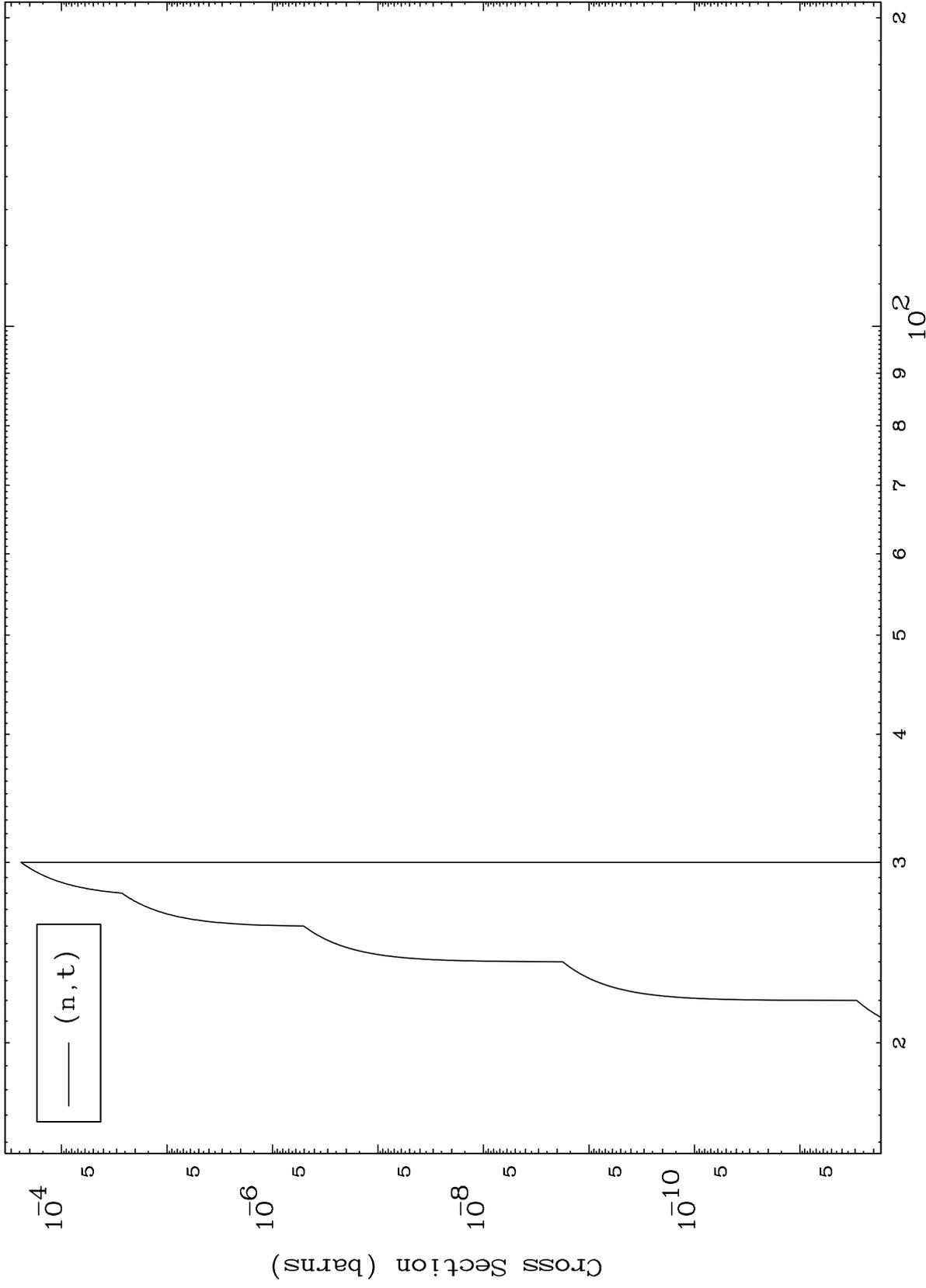
<sup>77</sup>Ir-181



MAT 7695

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

<sup>77</sup>Ir-181

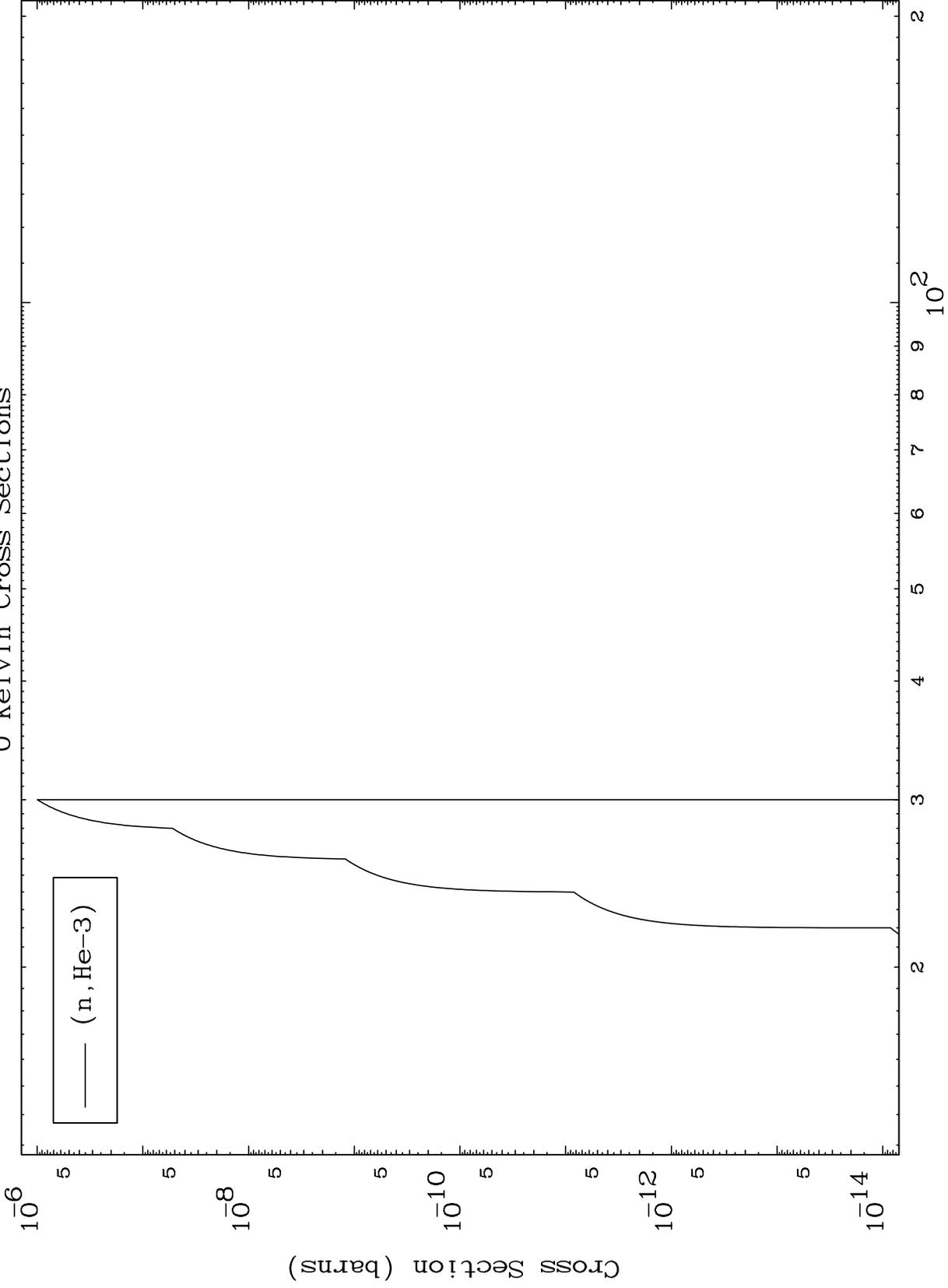


8

Incident Energy (MeV)

<sup>77</sup>Ir-181

( $\alpha, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

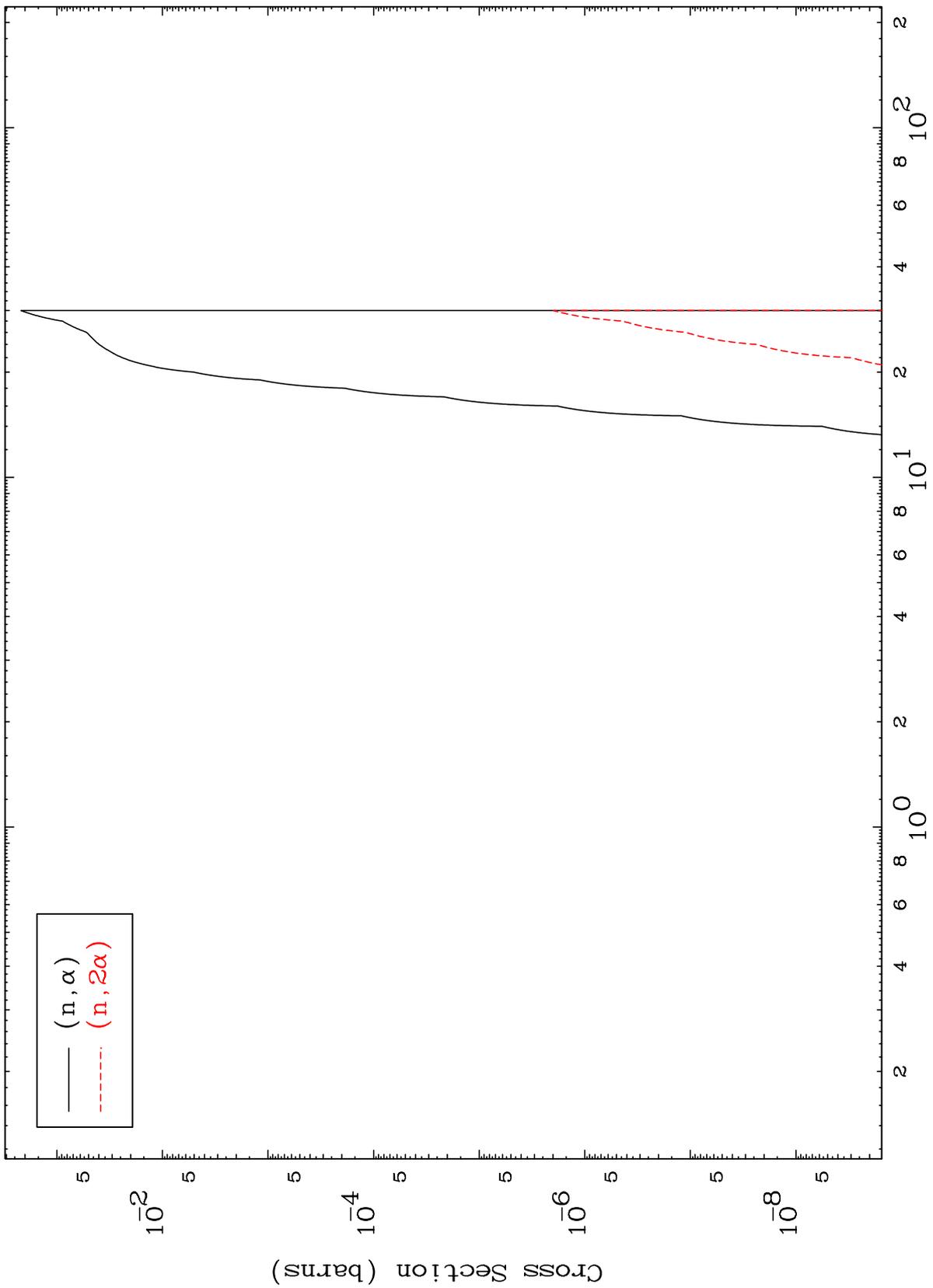


MAT 7695

( $\alpha, \alpha$ ) Levels

<sup>77</sup>Ir-181

0 Kelvin Cross Sections



— (n, α)  
- - - (n, 2α)

10

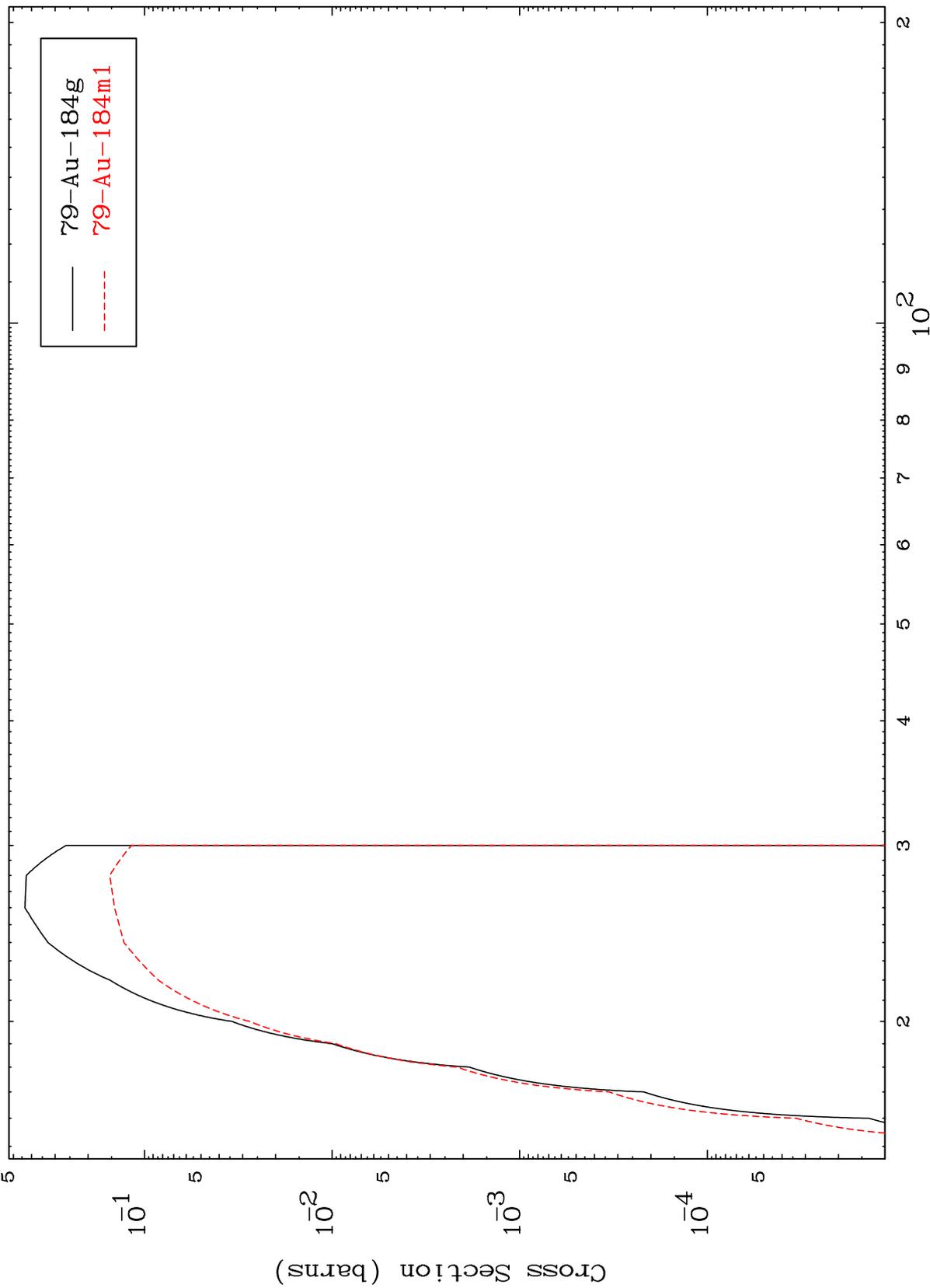
Incident Energy (MeV)

<sup>77</sup>Ir-181

MAT 7695

<sup>77</sup>Ir-181

Inelastic  
Radionuclide Production Cross Section



11

<sup>77</sup>Ir-181

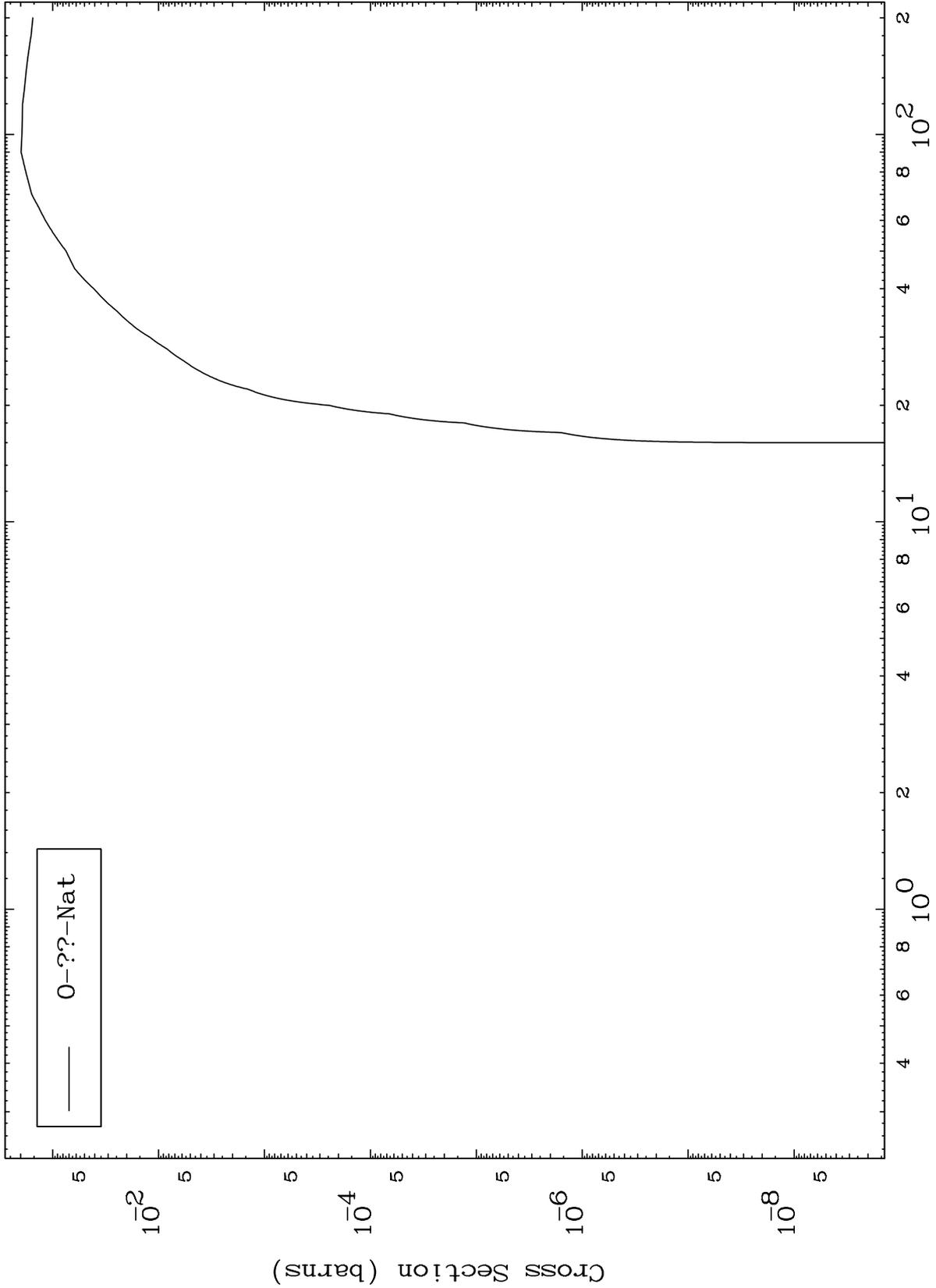
Incident Energy (MeV)

MAT 7695

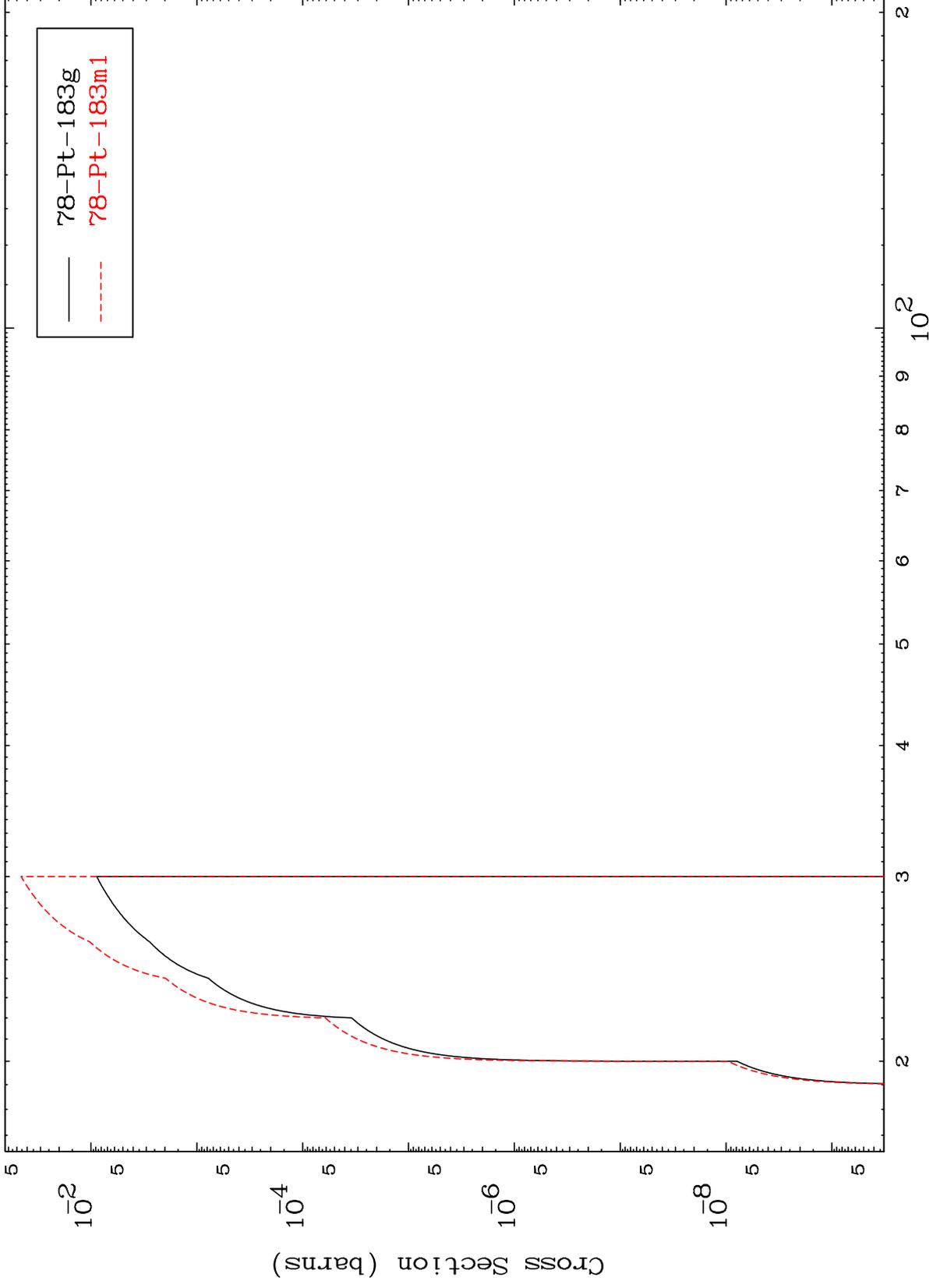
Fission

<sup>77</sup>Ir-181

Radionuclide Production Cross Section



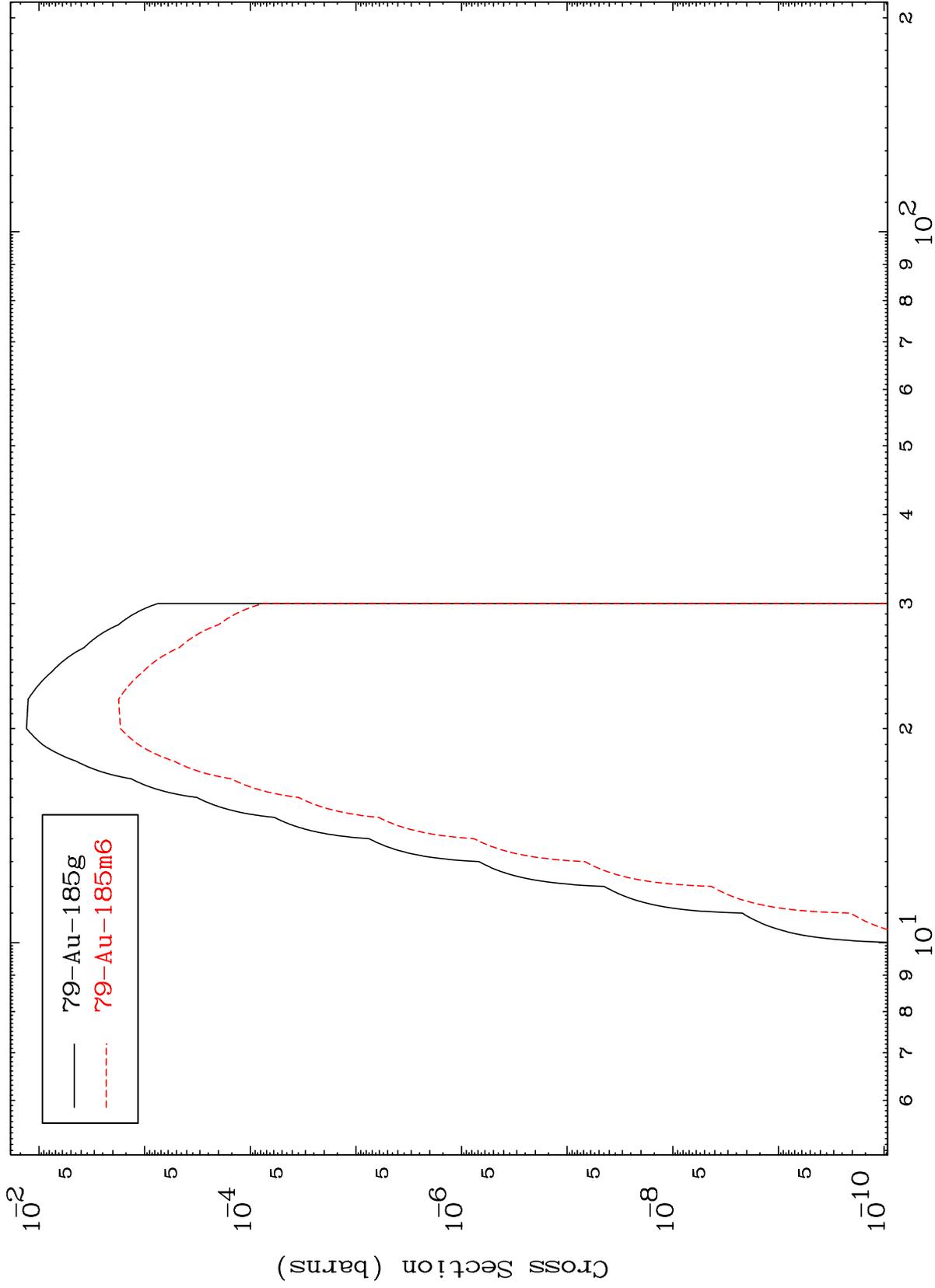
Radionuclide Production Cross Section



MAT 7695

<sup>77</sup>Ir-181

Radionuclide Production Cross Section  
(n,γ)



14

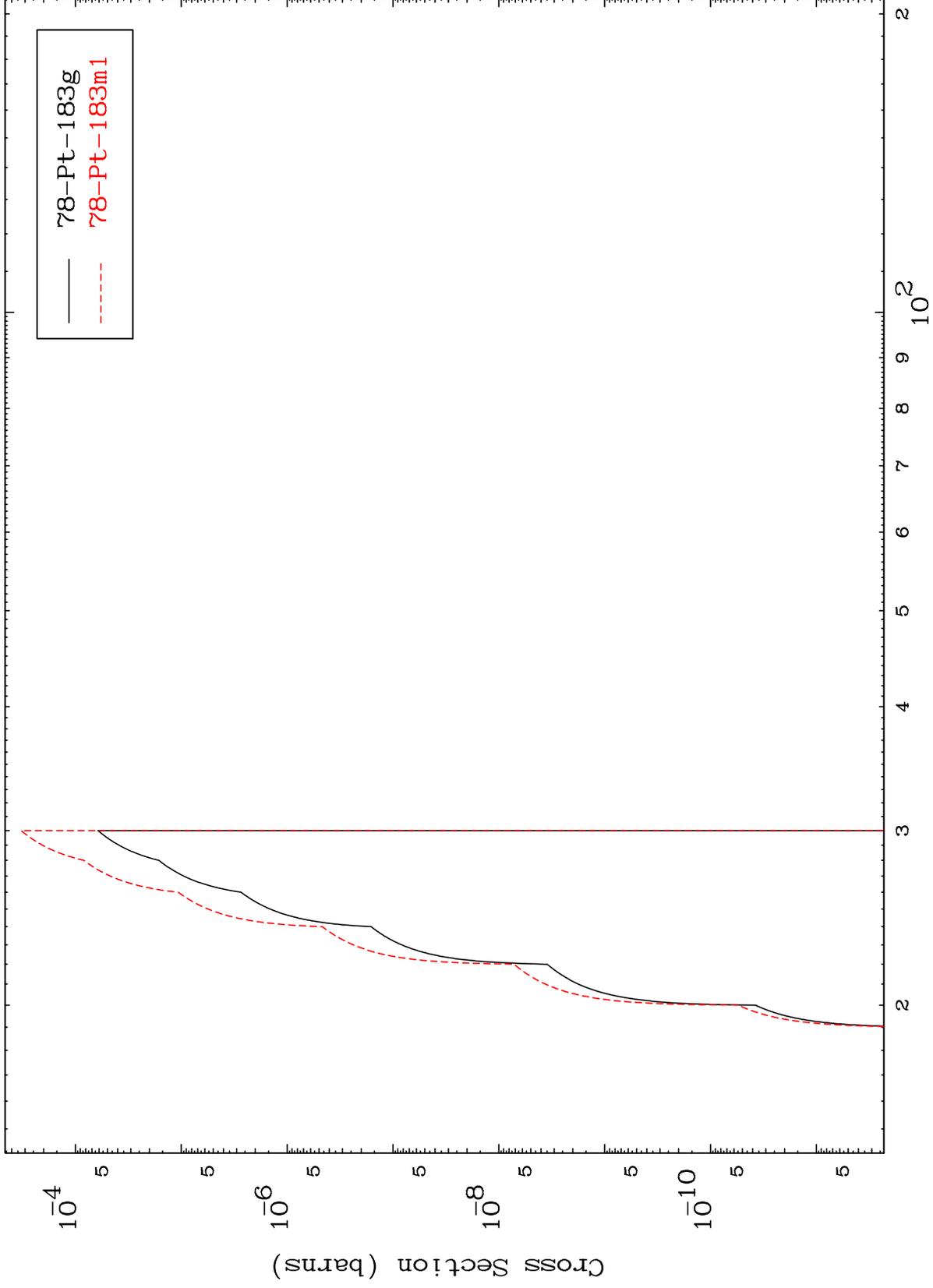
Incident Energy (MeV)

<sup>77</sup>Ir-181

MAT 7695

77-Ir-181

(n,d)  
Radionuclide Production Cross Section



15

Incident Energy (MeV)

77-Ir-181