

Program EVALPLOT  
(Version 2015-2)

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:home.comcast.net/~redcullen1

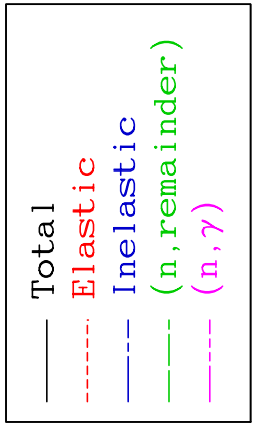
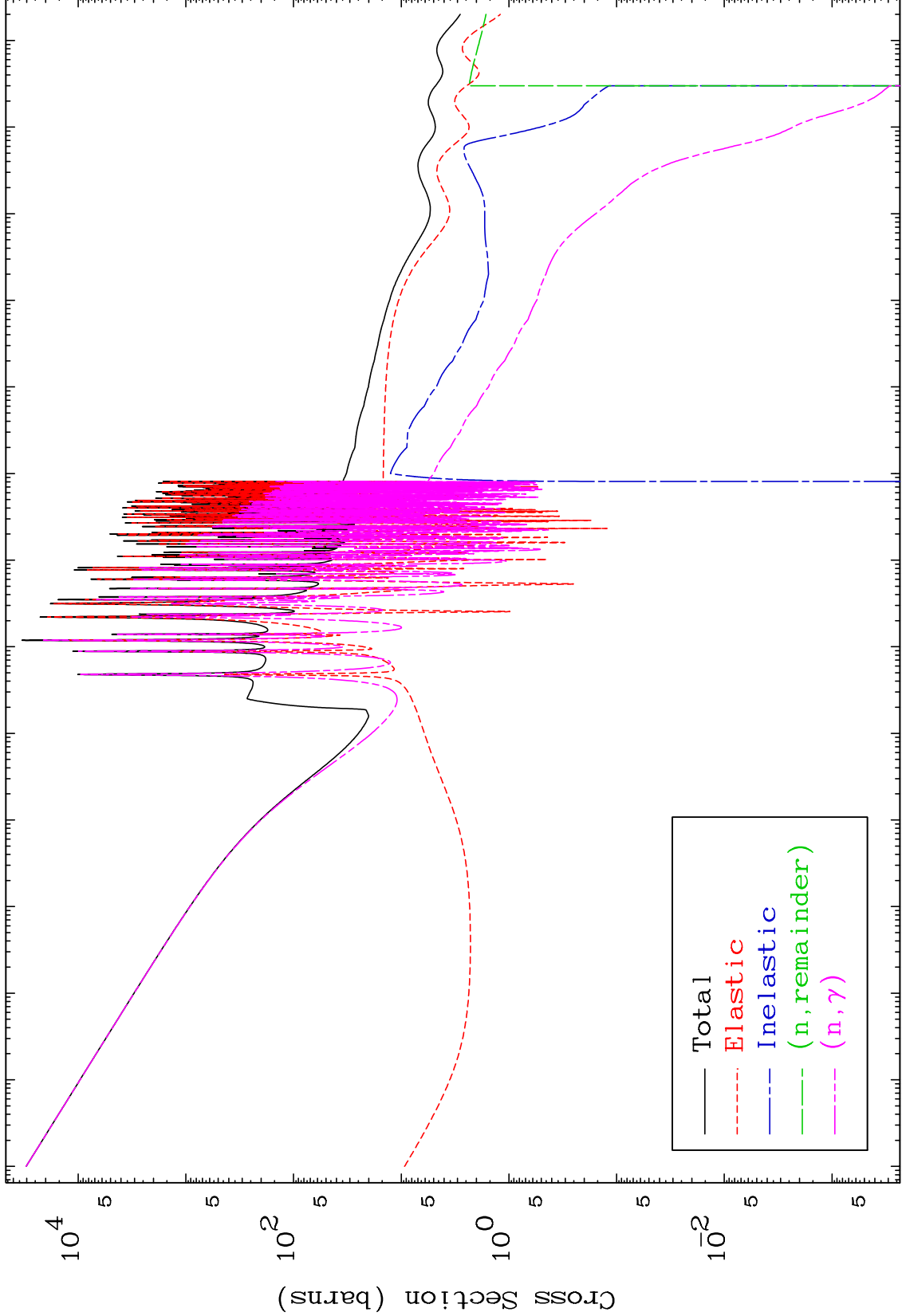
Press Mouse Button to Start

MAT 7726

Major

77-Ir-191

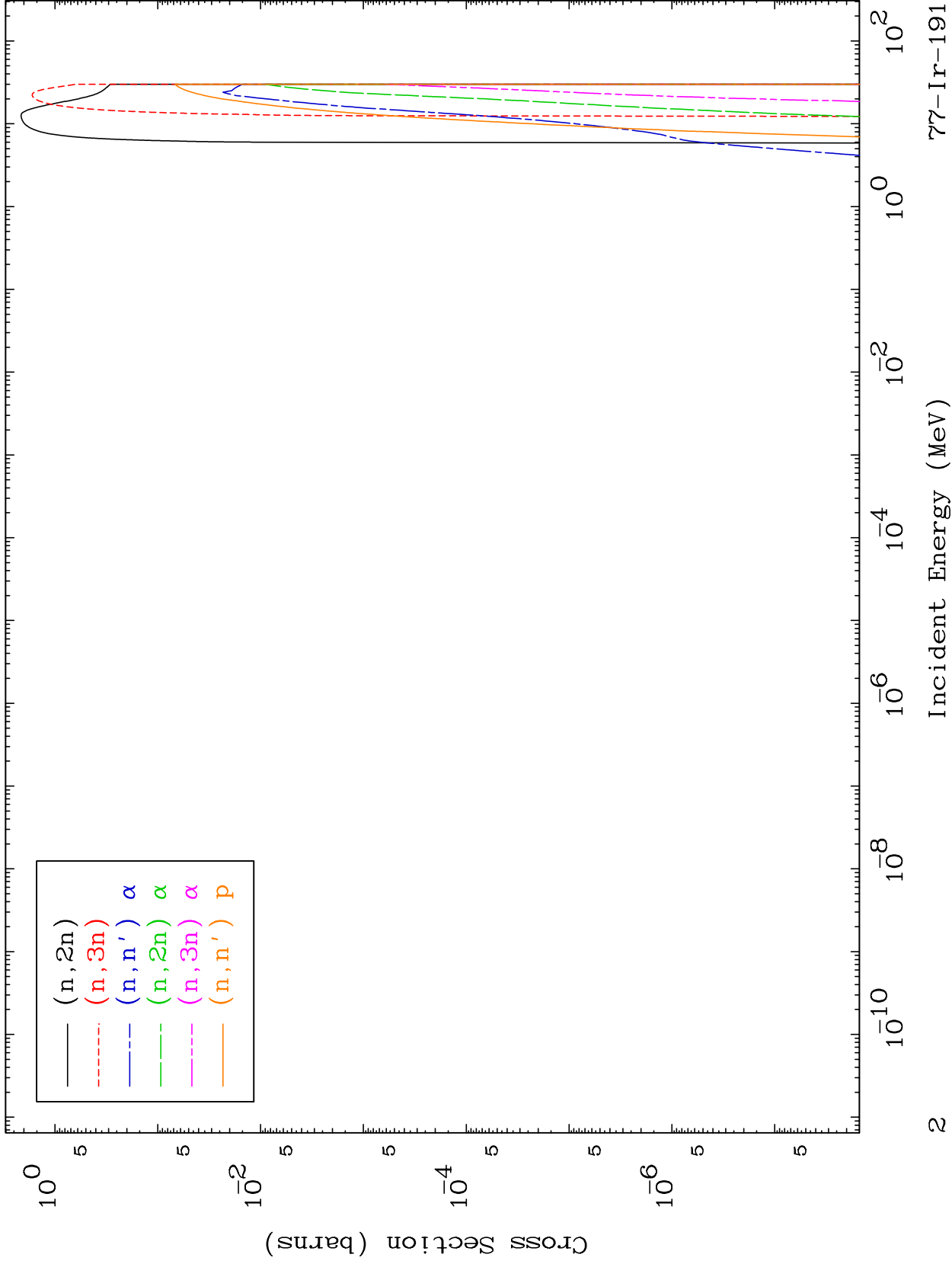
293 Kelvin Cross Sections

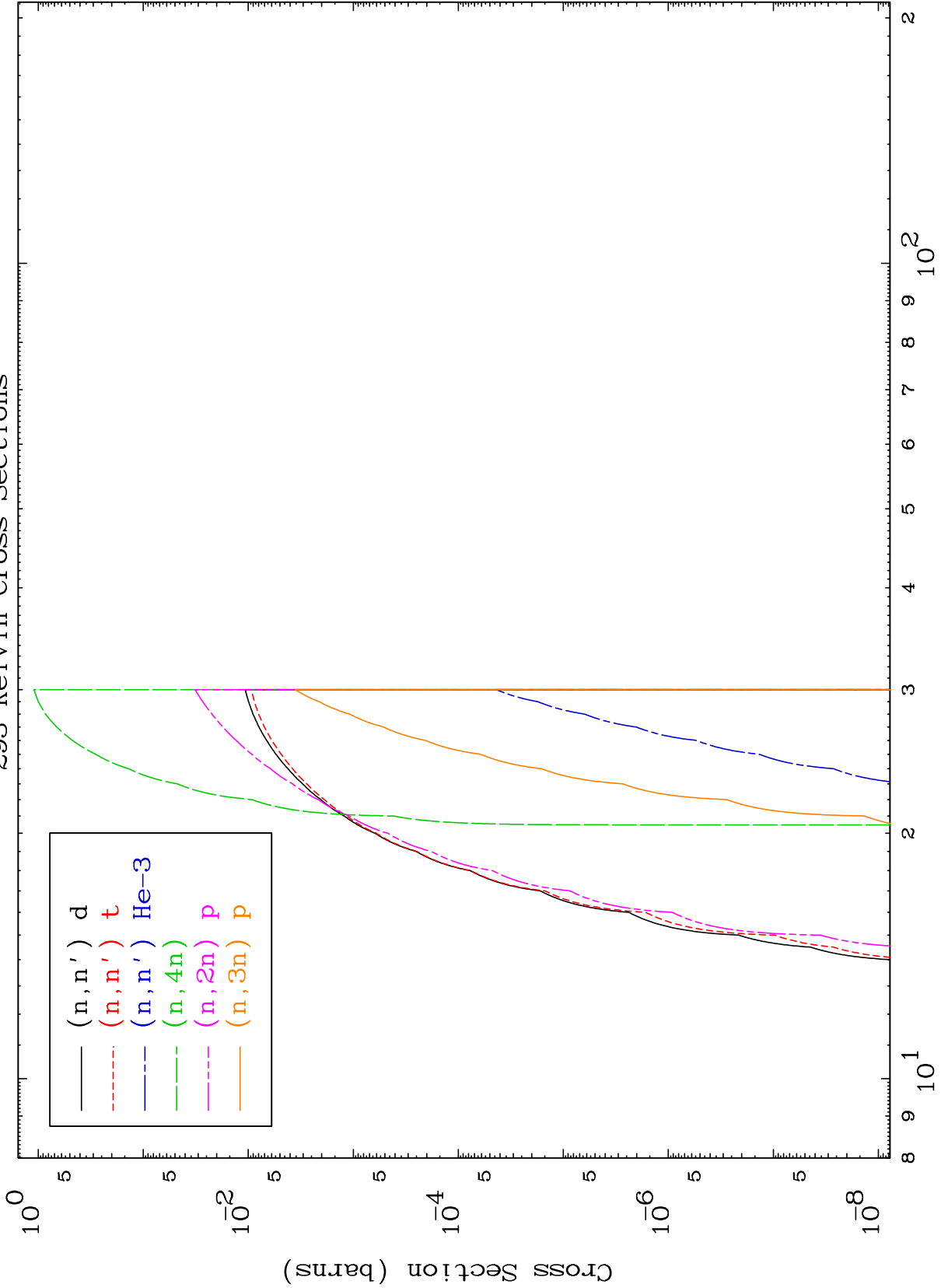


MAT 7726

Neutron Production  
293 Kelvin Cross Sections

77-Ir-191

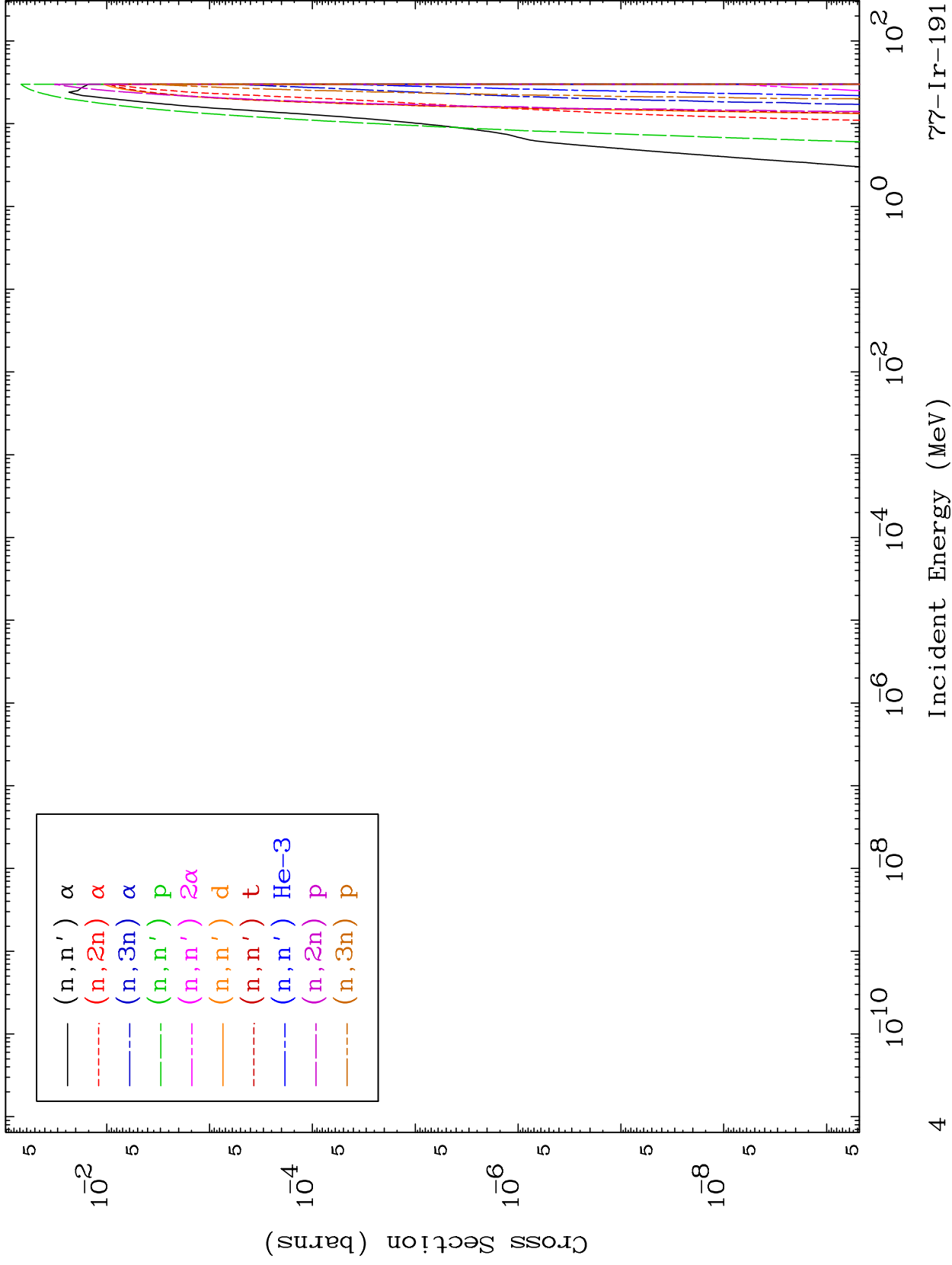




MAT 7726

Charged Particle  
293 Kelvin Cross Sections

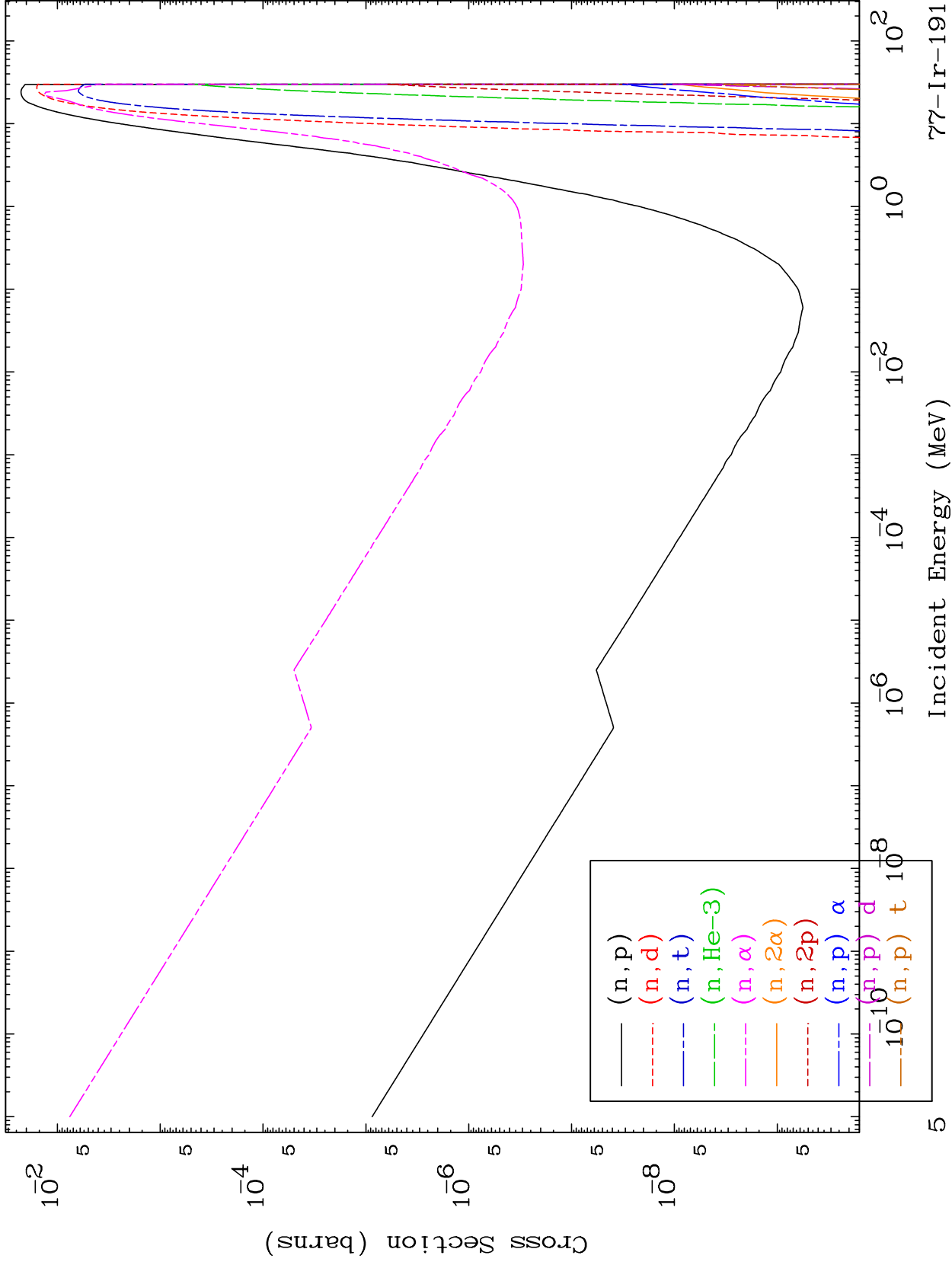
77-Ir-191

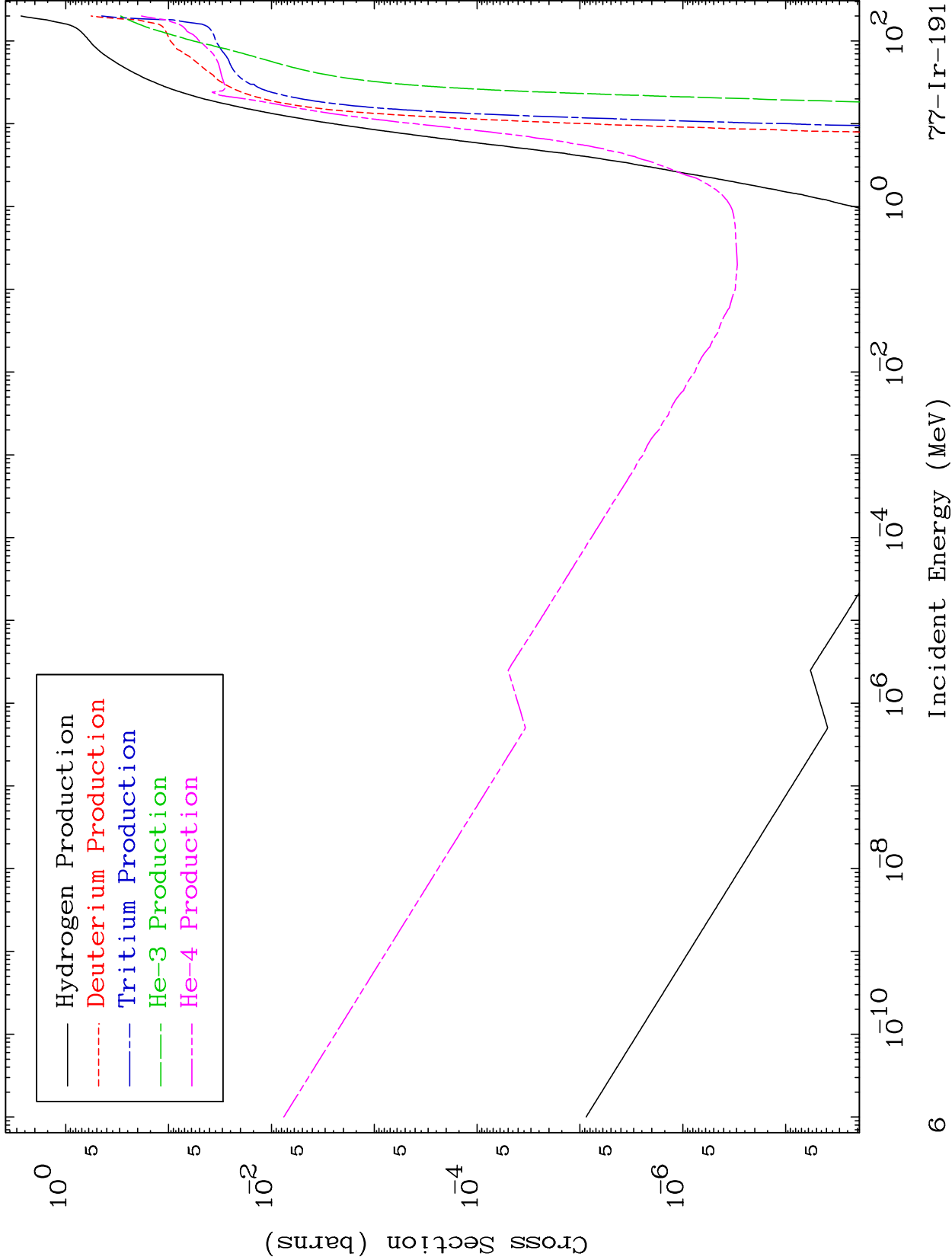


MAT 7726

Charged Particle  
293 Kelvin Cross Sections

77-Ir-191

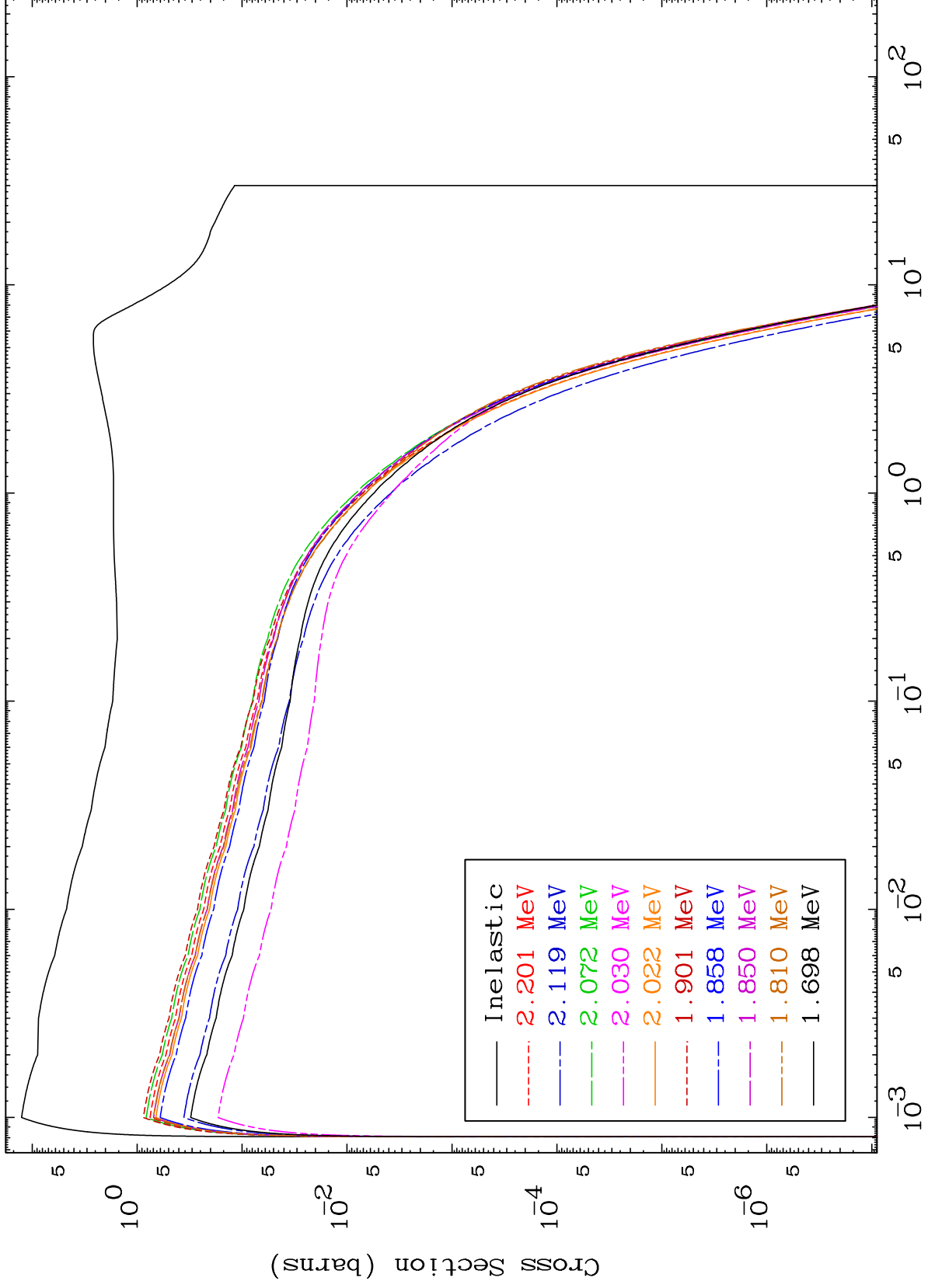




MAT 7726

(n,n') Level  
293 Kelvin Cross Sections

77-Ir-191



7

Incident Energy (MeV)

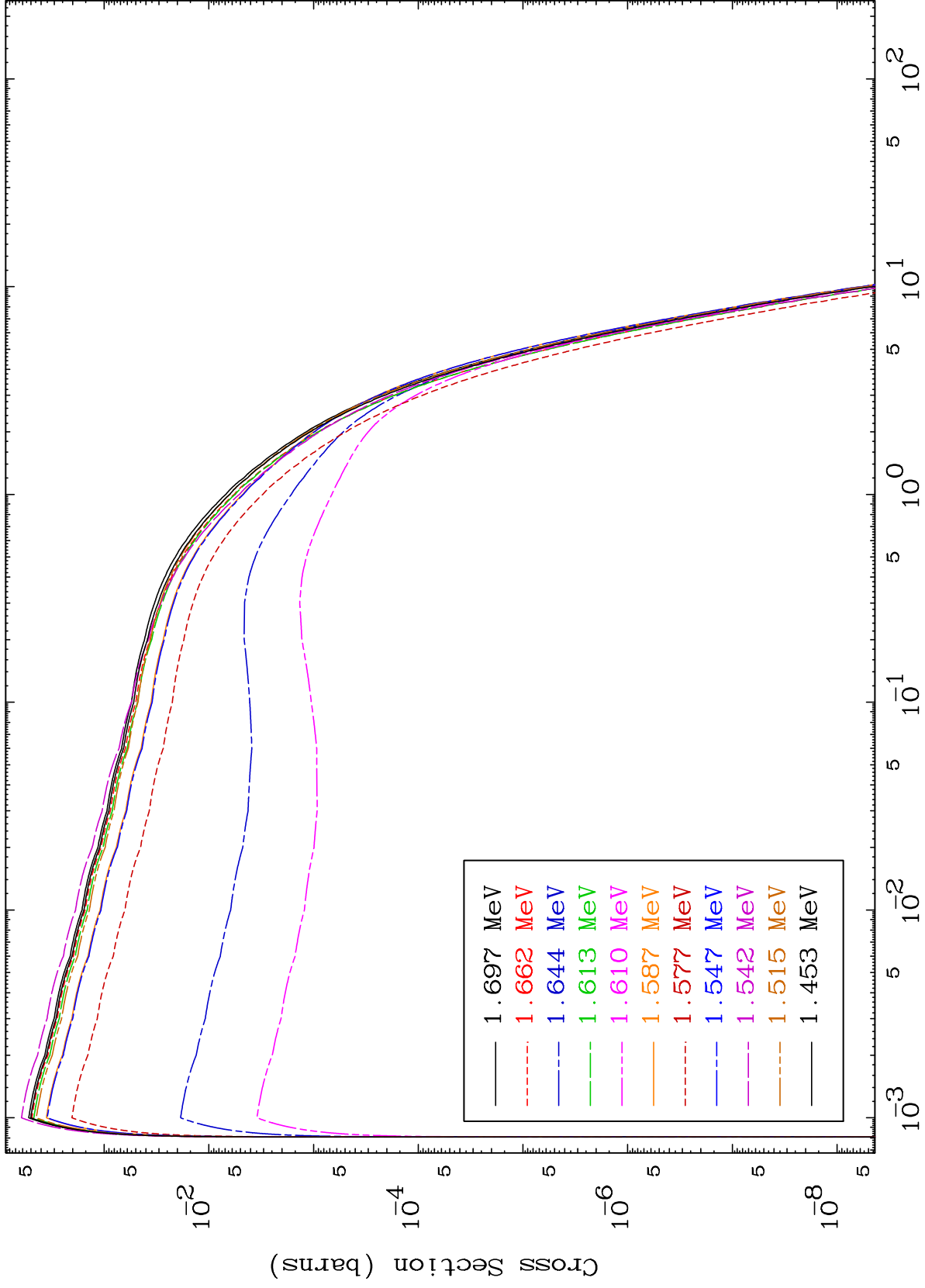
77-Ir-191



MAT 7726

(n,n') Level  
293 Kelvin Cross Sections

77-Ir-191



8

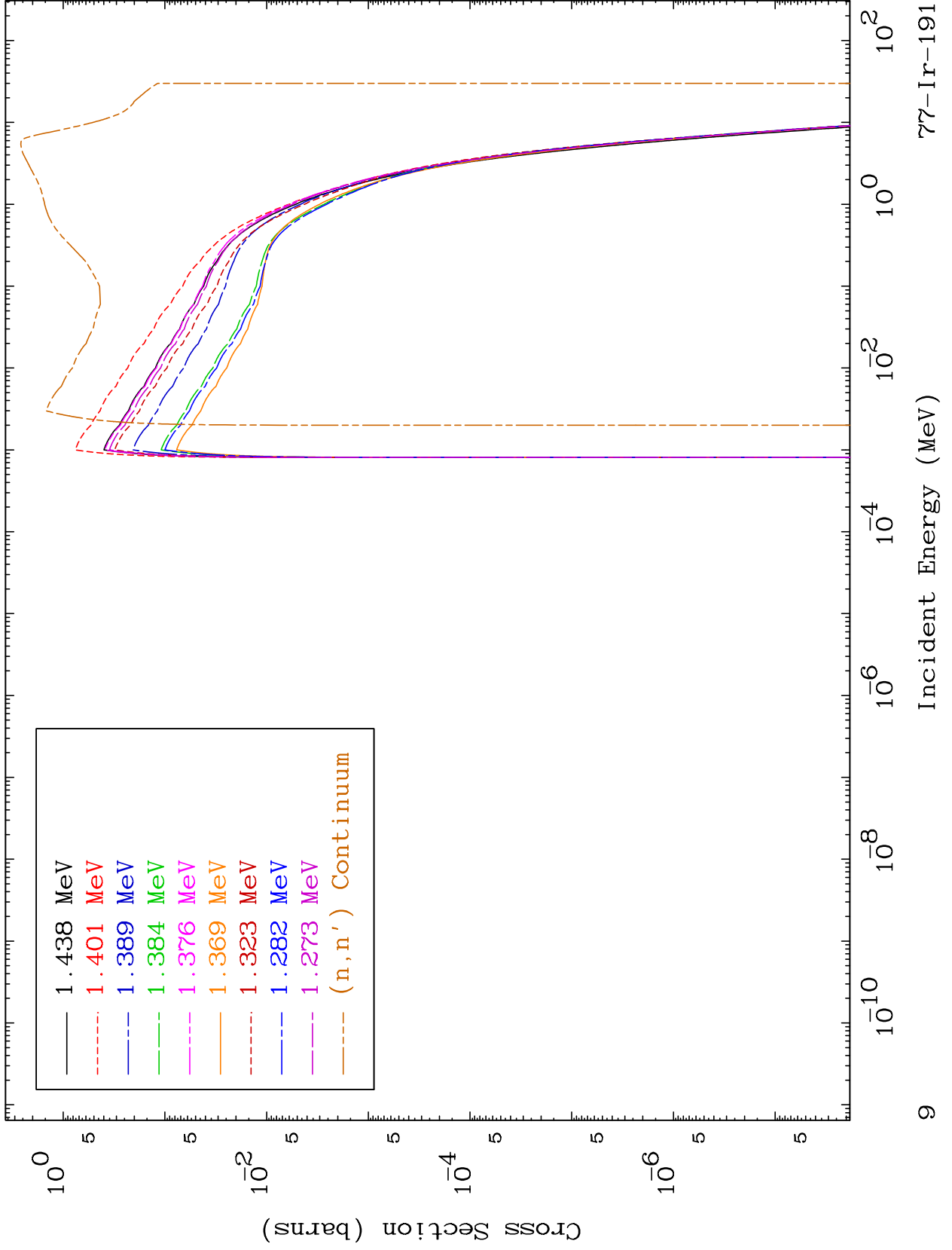
Incident Energy (MeV)

77-Ir-191

MAT 7726

293 (n,n') Level  
Kelvin Cross Sections

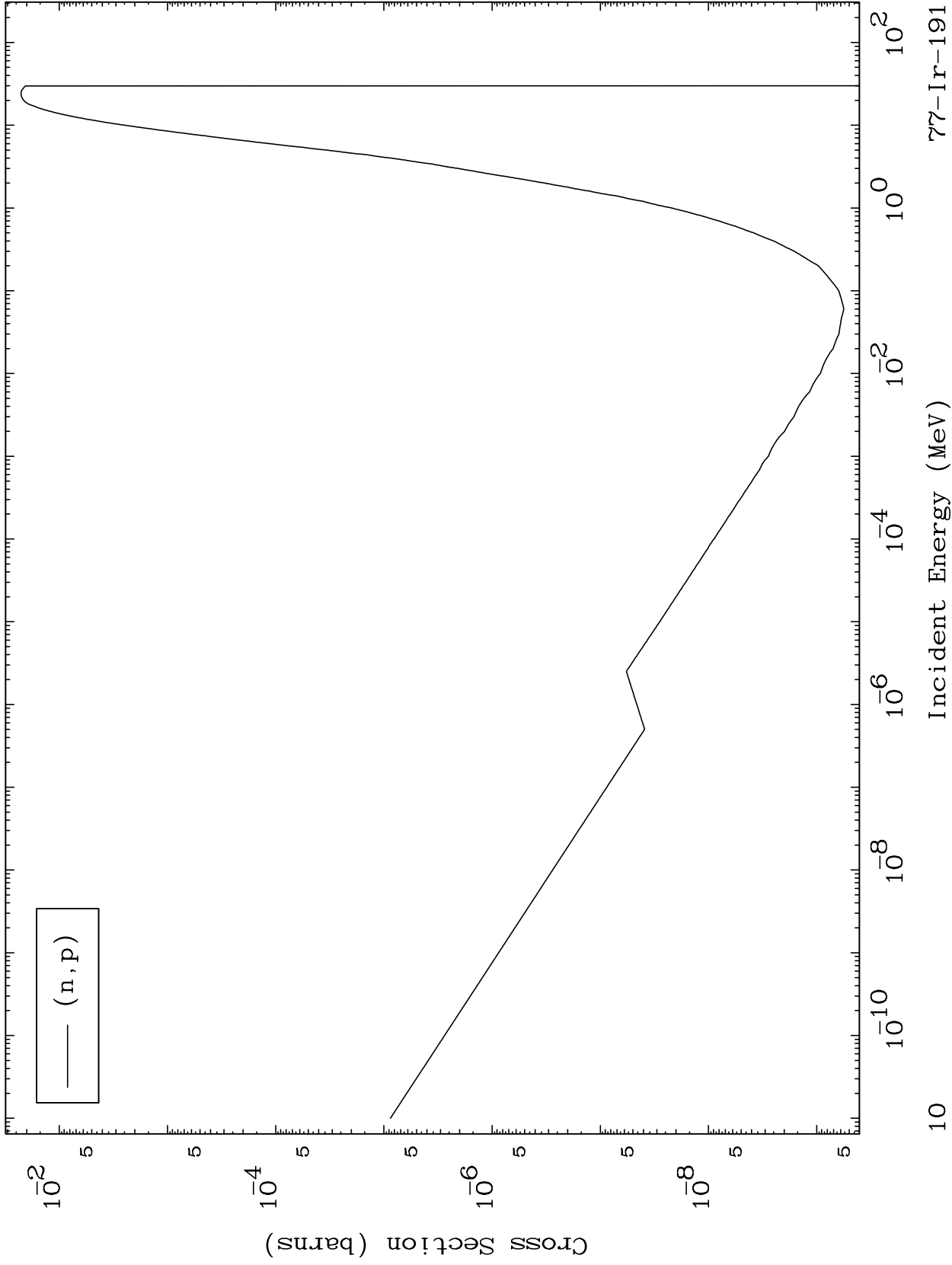
77-Ir-191



MAT 7726

(n,p) Levels  
293 Kelvin Cross Sections

77-Ir-191



10

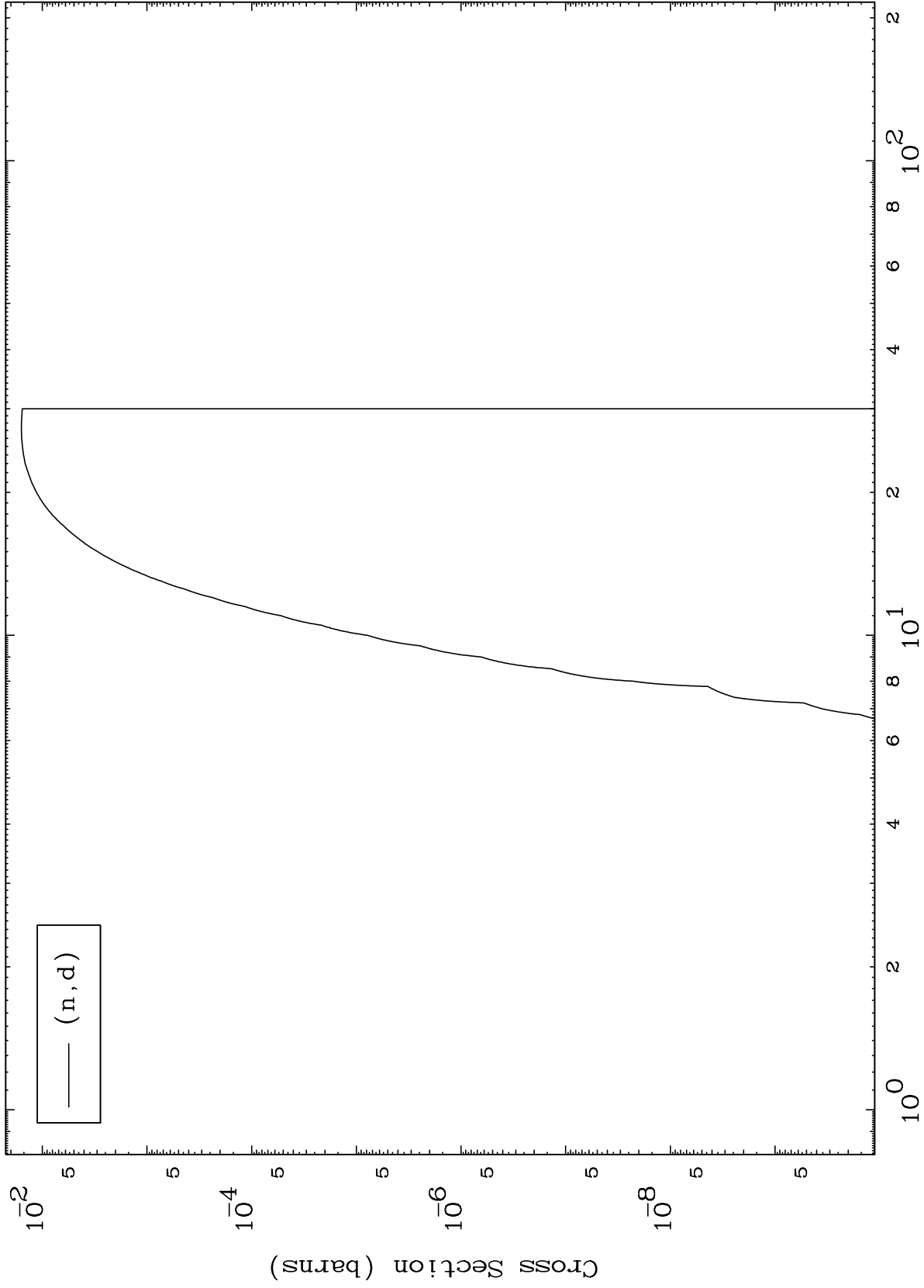
Incident Energy (MeV)

77-Ir-191

MAT 7726

(n,d) Levels  
293 Kelvin Cross Sections

<sup>77</sup>Ir-191



11

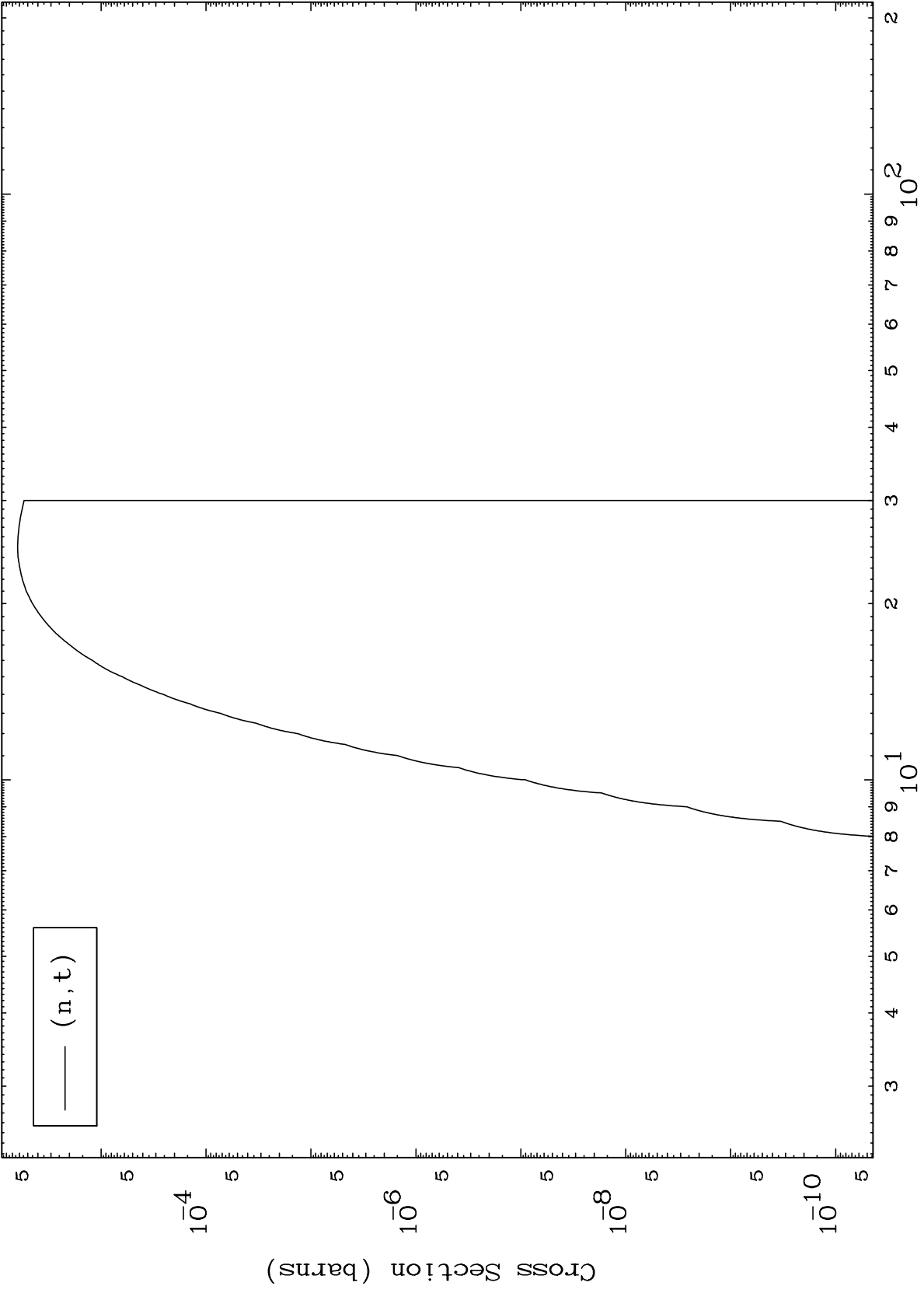
Incident Energy (MeV)

<sup>77</sup>Ir-191

MAT 7726

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-191



12

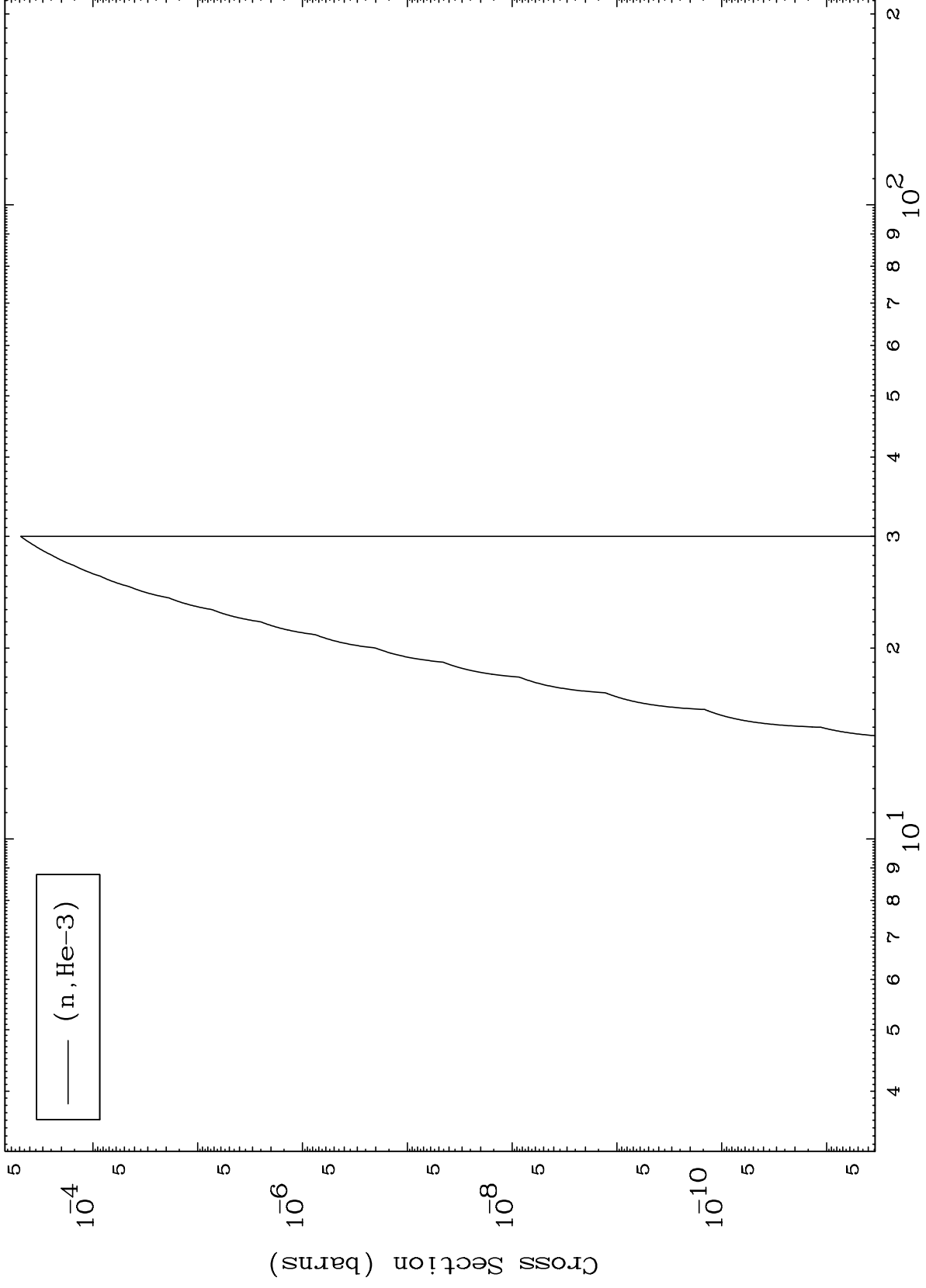
Incident Energy (MeV)

77-Ir-191

MAT 7726

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-191



13

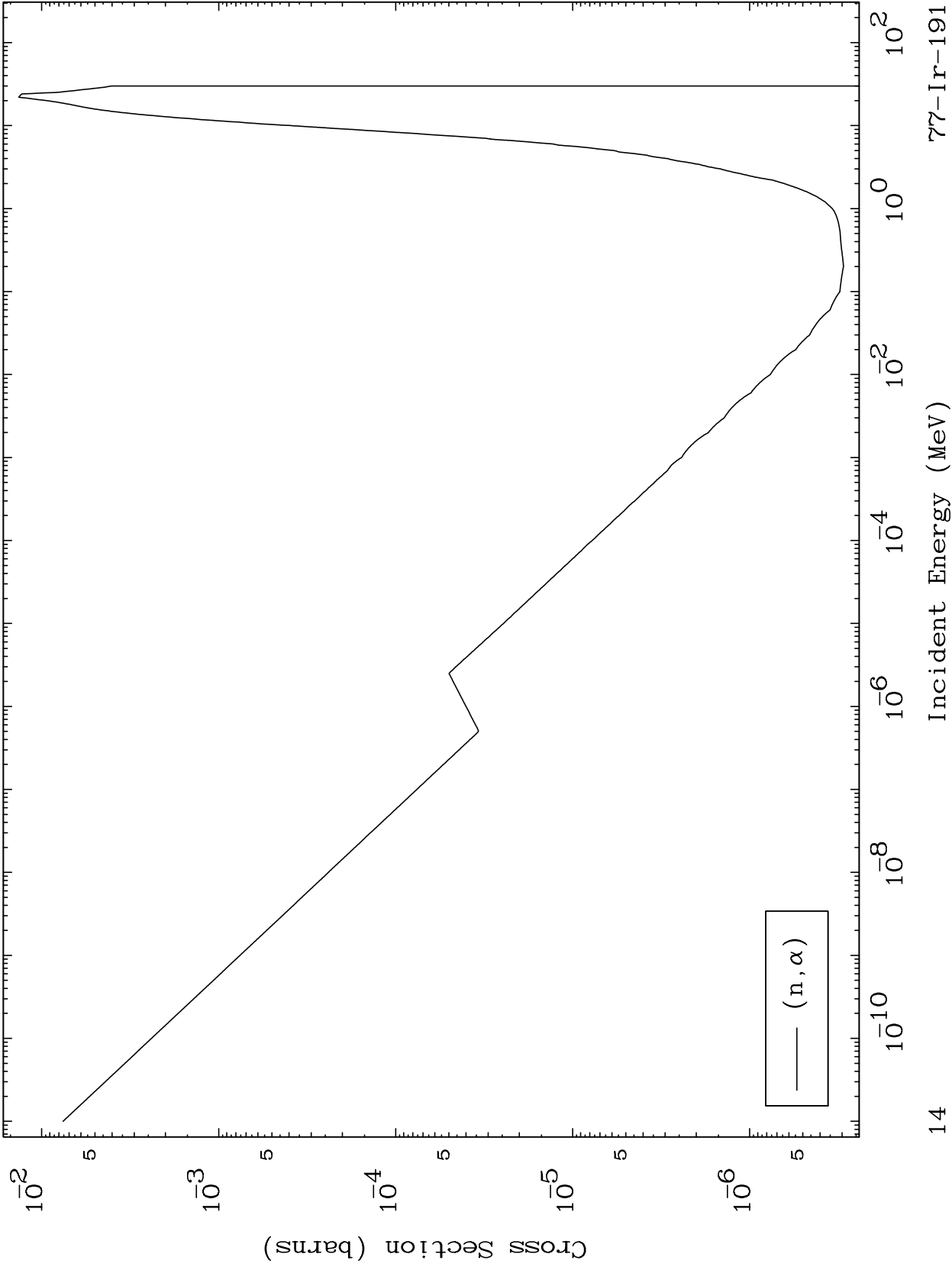
Incident Energy (MeV)

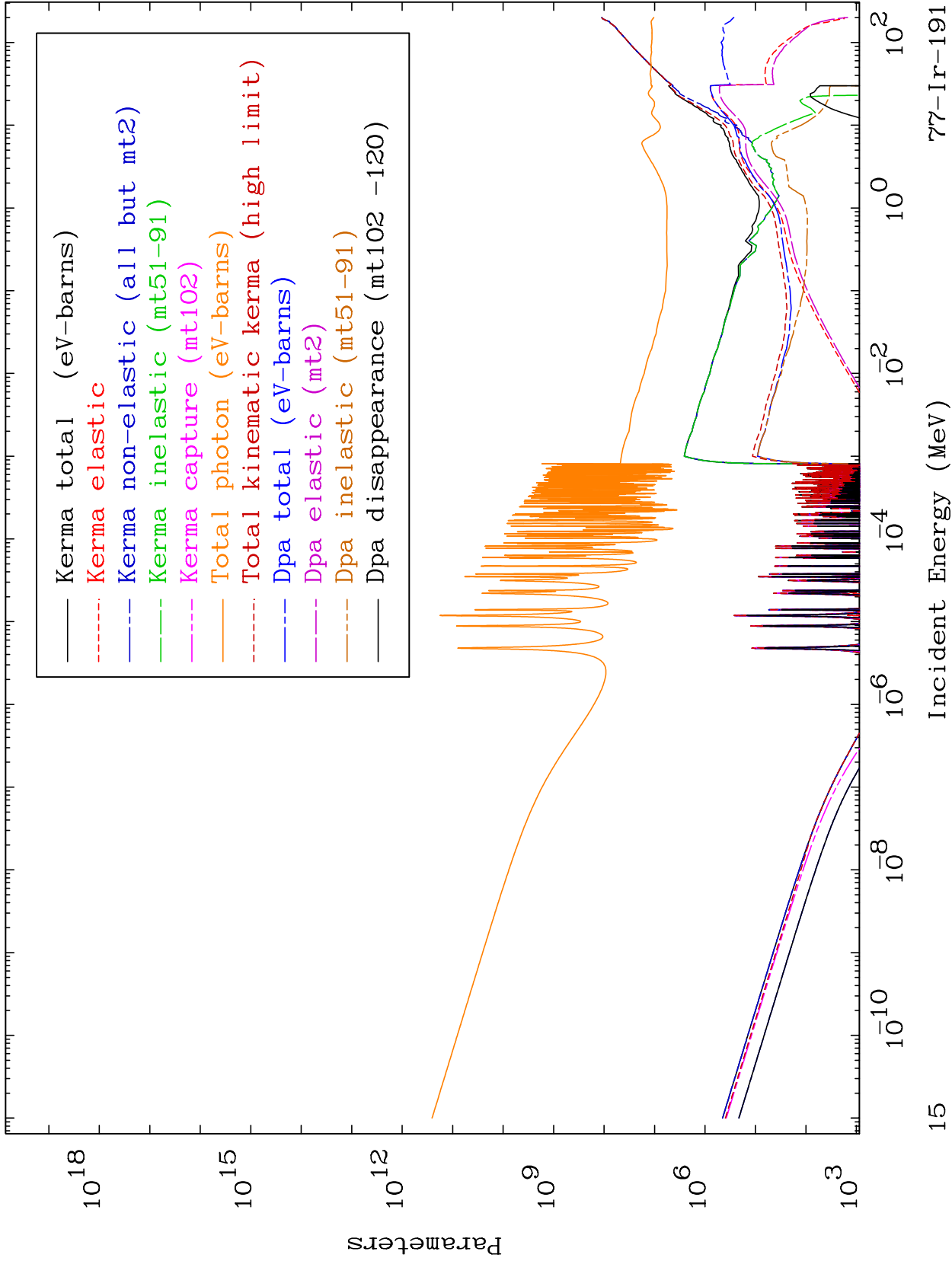
77-Ir-191

MAT 7726

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

77-Ir-191



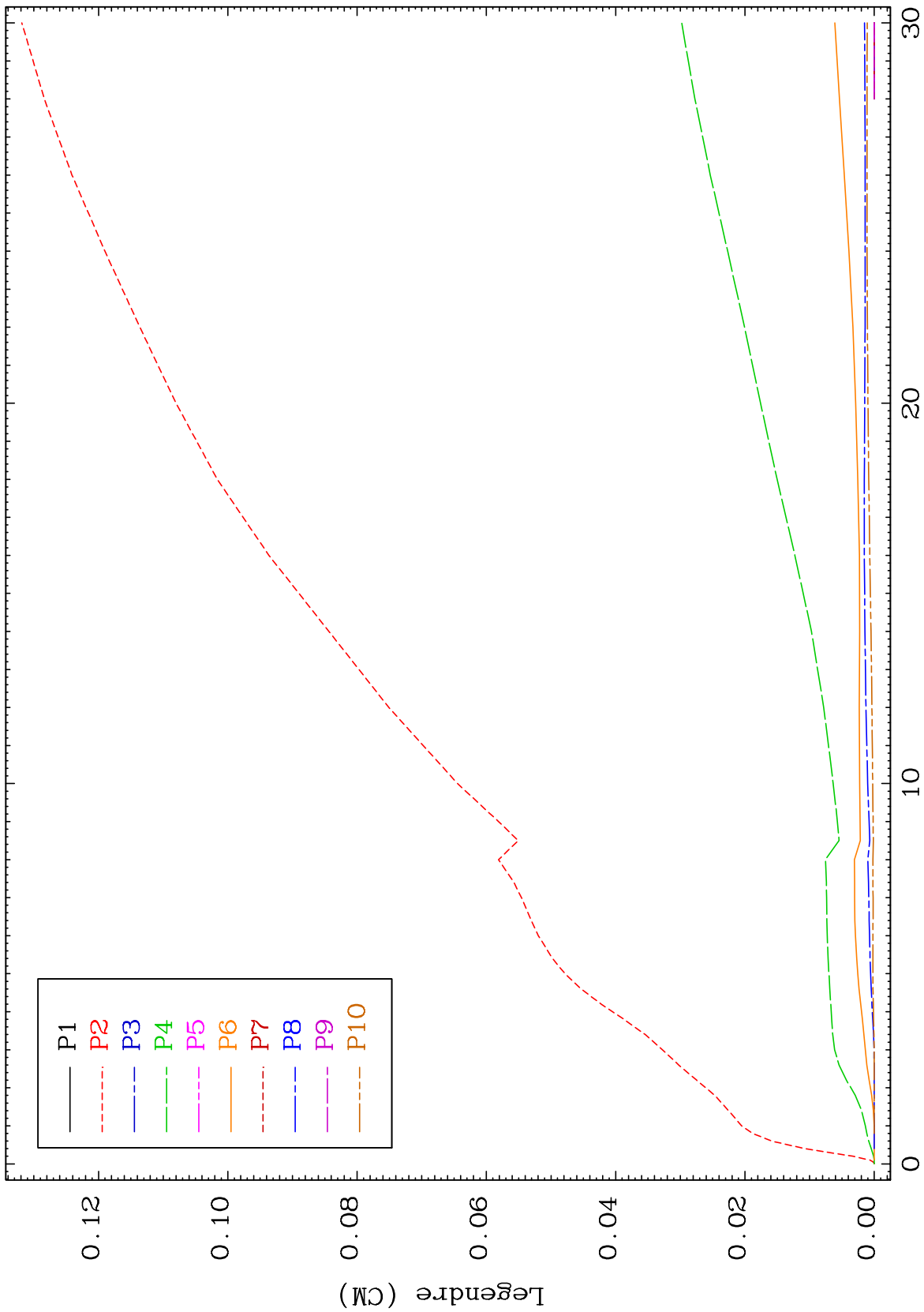




MAT 7726

Elastic Legendre Coefficients

77-Ir-191



77-Ir-191

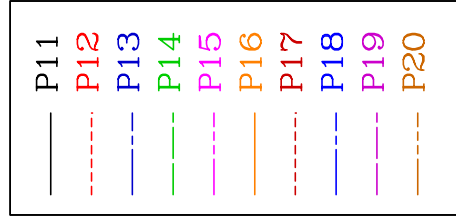
Incident Energy (MeV)

16

MAT 7726

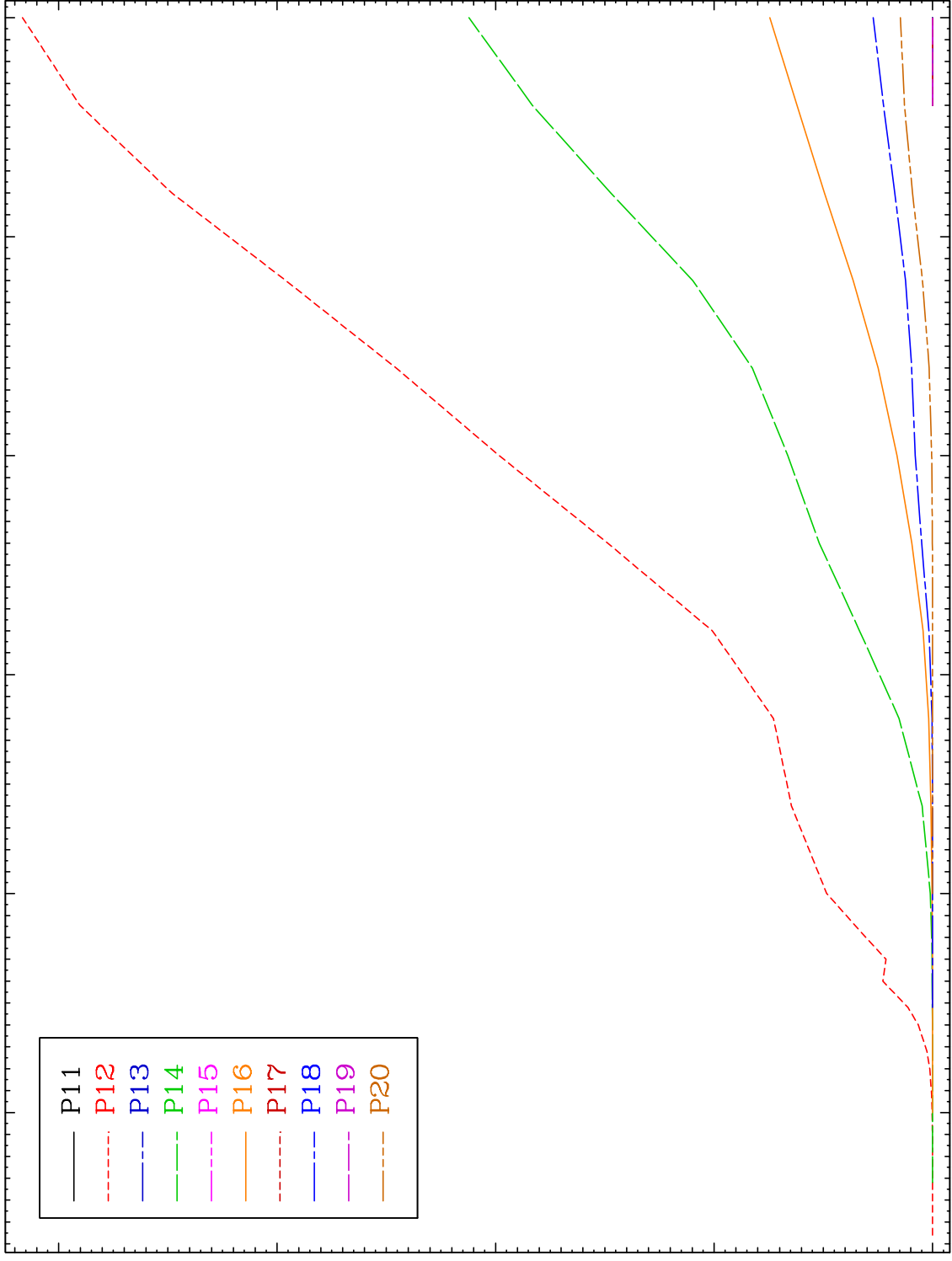
Elastic Legendre Coefficients

77-Ir-191



$\times 10^{-48}$

Legendre (CM)



17

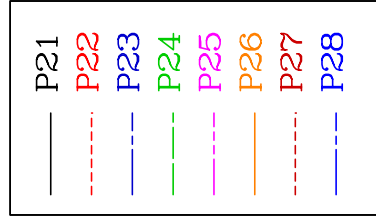
Incident Energy (MeV)

77-Ir-191

MAT 7726

Elastic  
Legendre Coefficients

77-Ir-191



$\times 10^{-6}$

Legendre (CM)

4

3

2

1

0

15

20

25

30

18

Incident Energy (MeV)

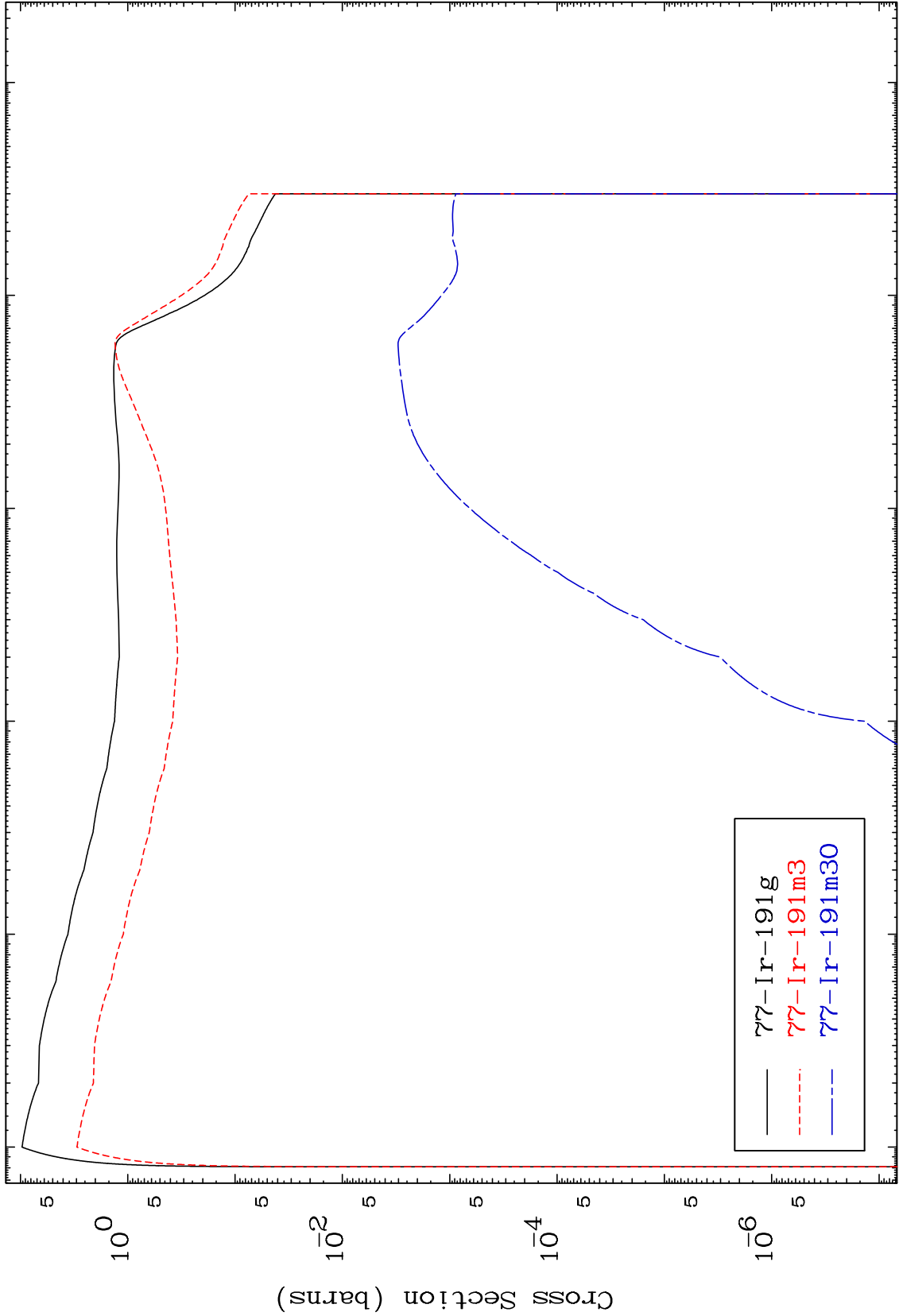
77-Ir-191



MAT 7726

77-Ir-191

Inelastic  
Radionuclide Production Cross Section



77-Ir-191g  
77-Ir-191m3  
77-Ir-191m30

19

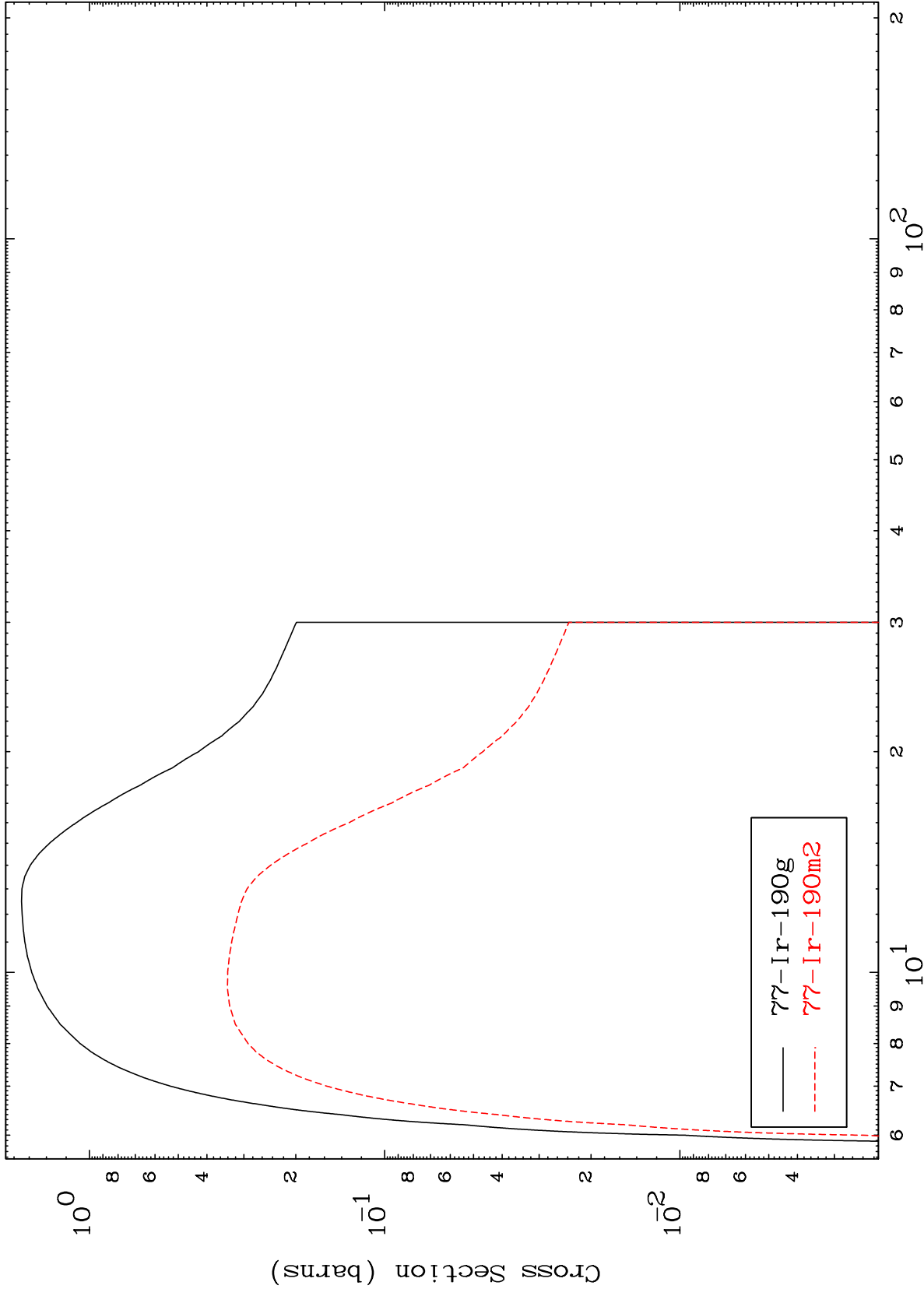
77-Ir-191

Incident Energy (MeV)

MAT 7726

<sup>77</sup>Ir-191

Radionuclide Production Cross Section



<sup>77</sup>Ir-191

Incident Energy (MeV)

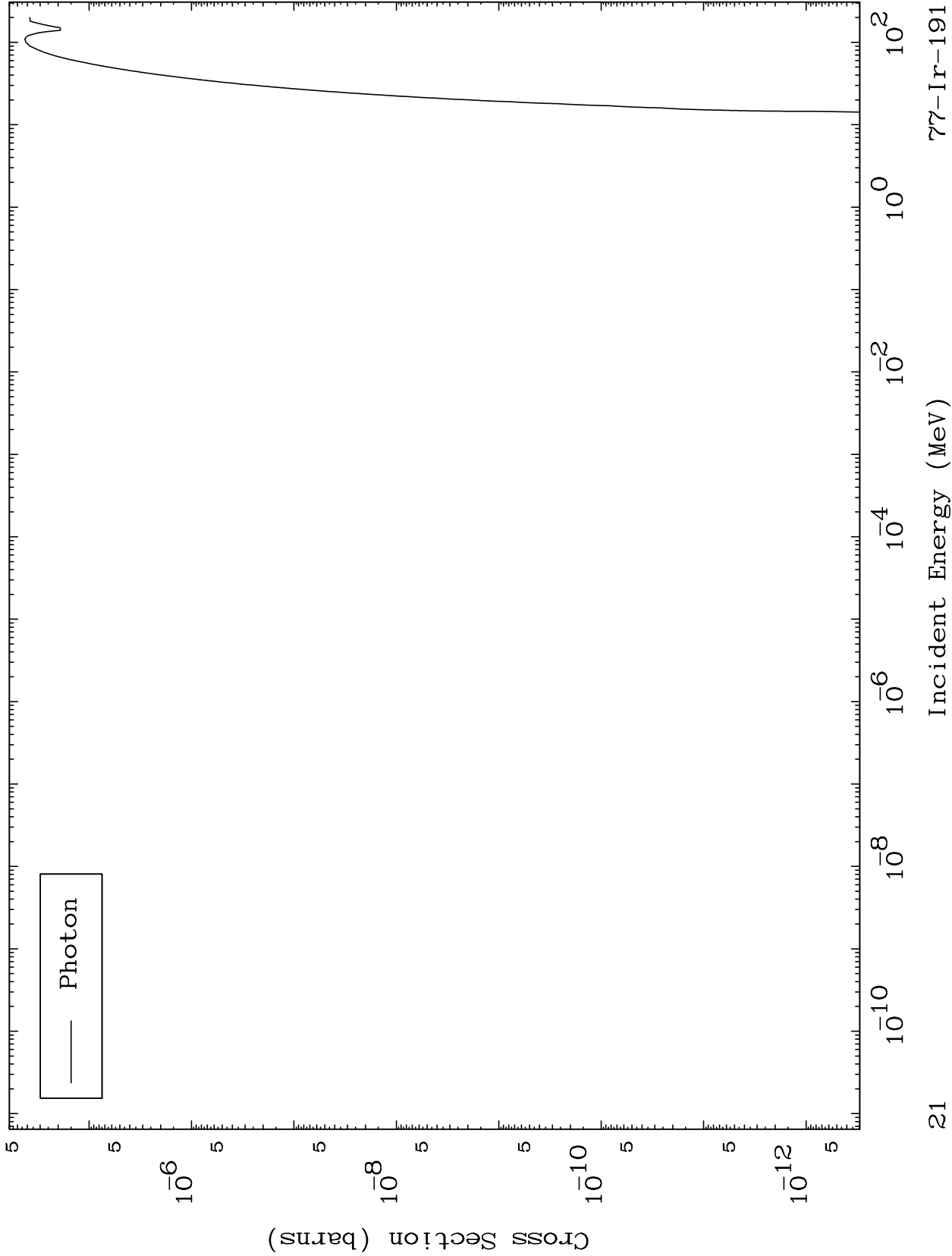
20

MAT 7726

Fission

<sup>77</sup>Ir-191

Radionuclide Production Cross Section

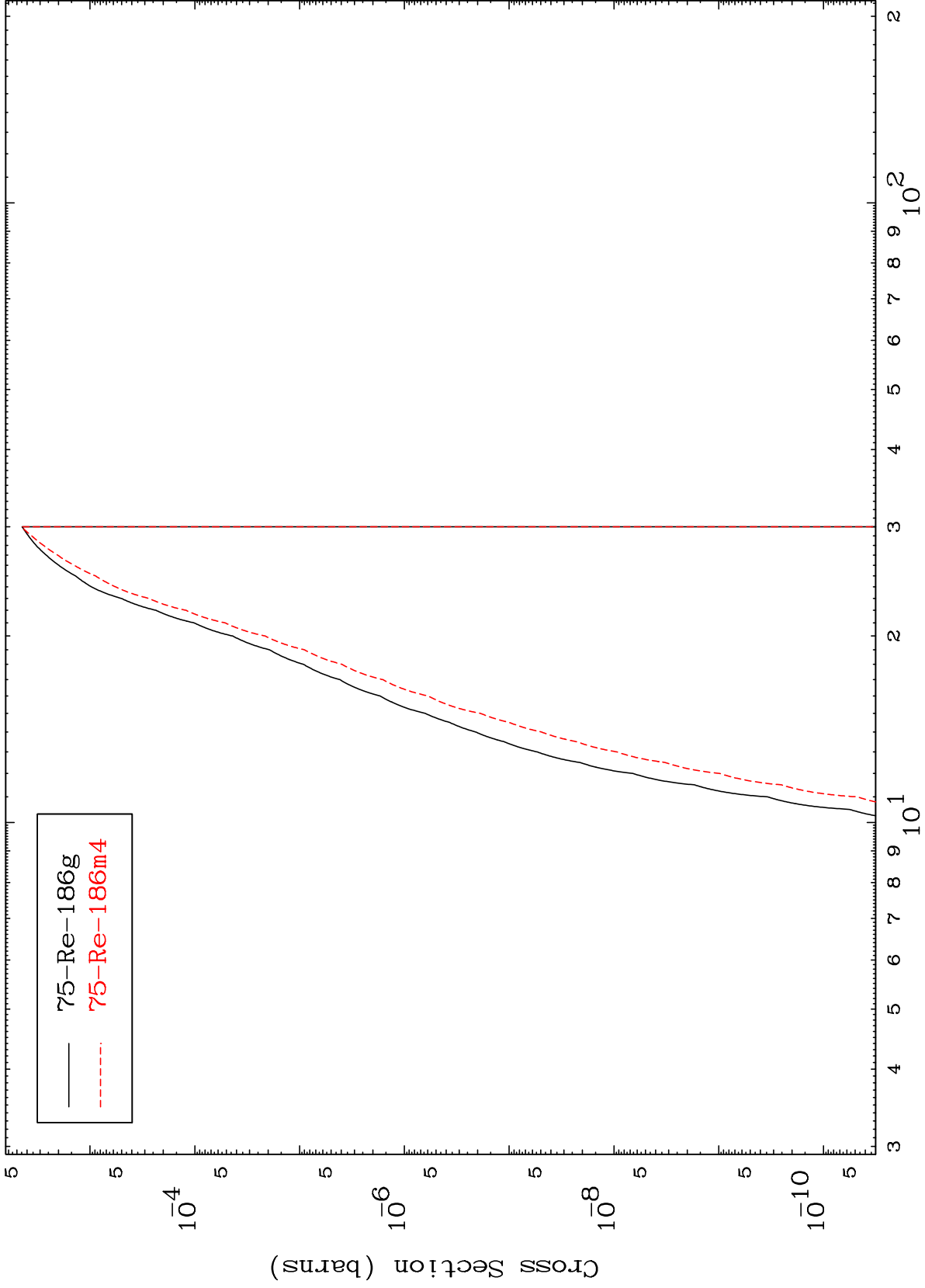


MAT 7726

<sup>77</sup>Ir-191

(n,2n) α

Radionuclide Production Cross Section



<sup>77</sup>Ir-191

Incident Energy (MeV)

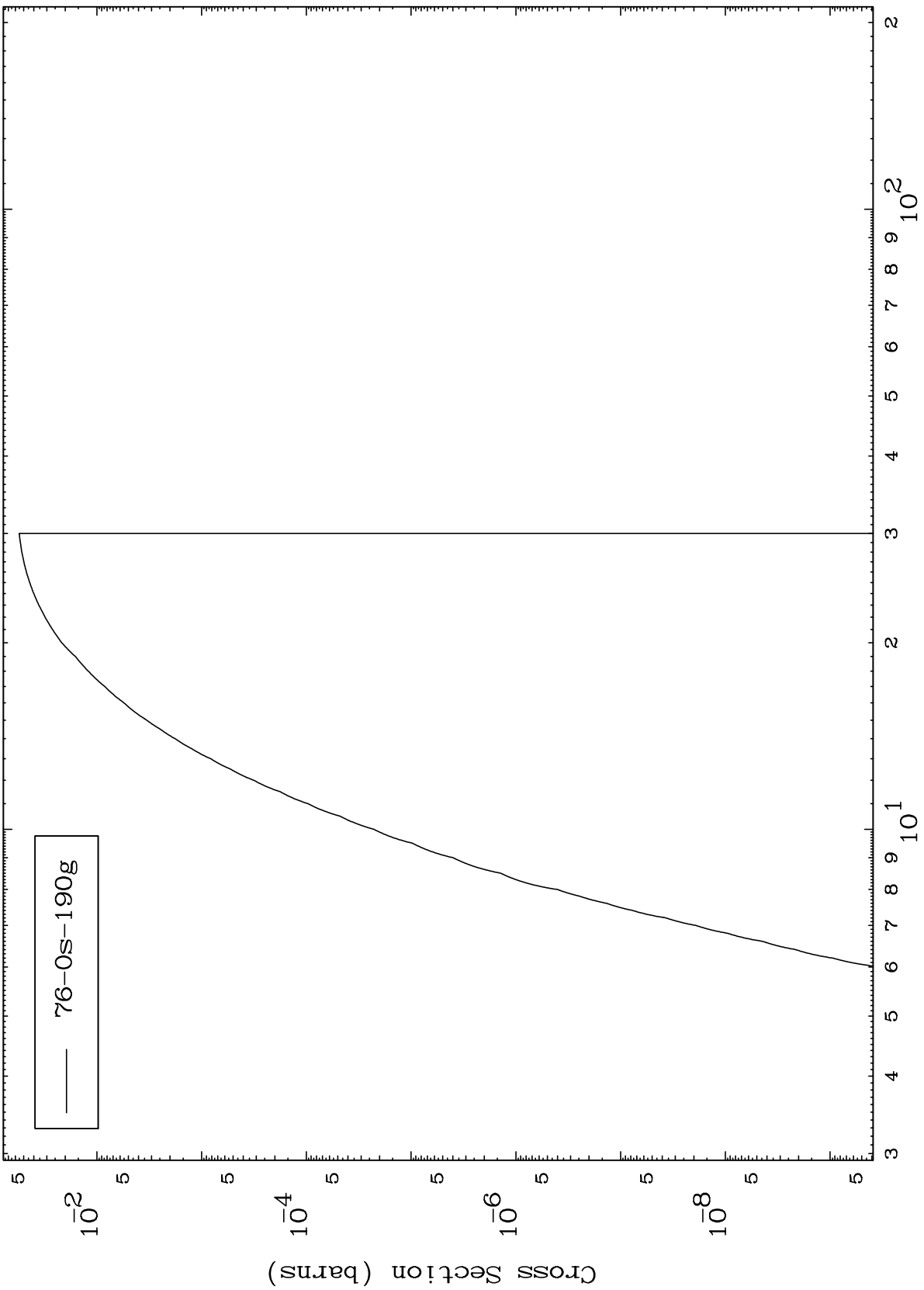
22

MAT 7726

$(n, n')$  p

$^{77}\text{Ir-191}$

Radionuclide Production Cross Section



23

Incident Energy (MeV)

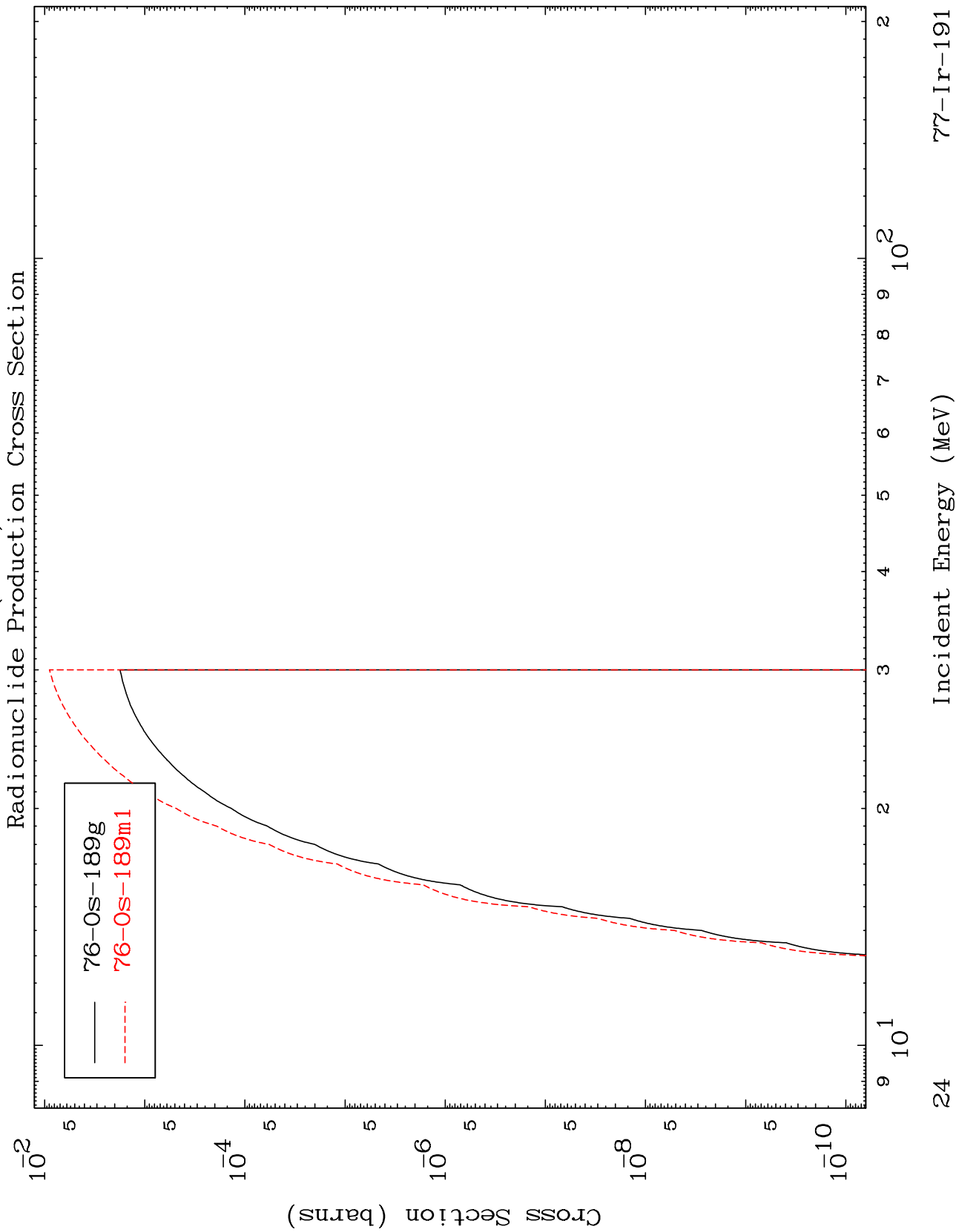
$^{77}\text{Ir-191}$



MAT 7726

(n,n') d

<sup>77</sup>Ir-191

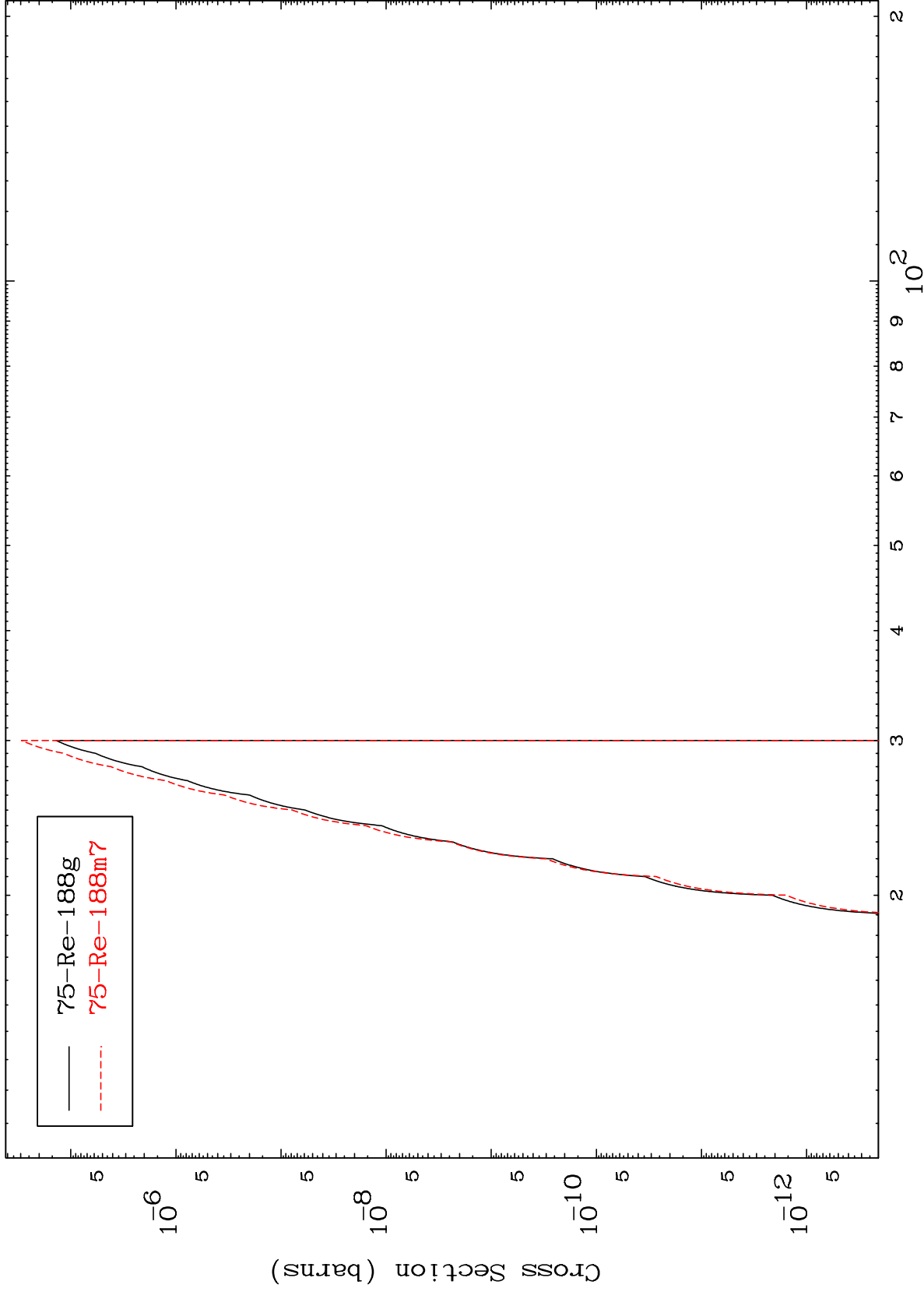


24

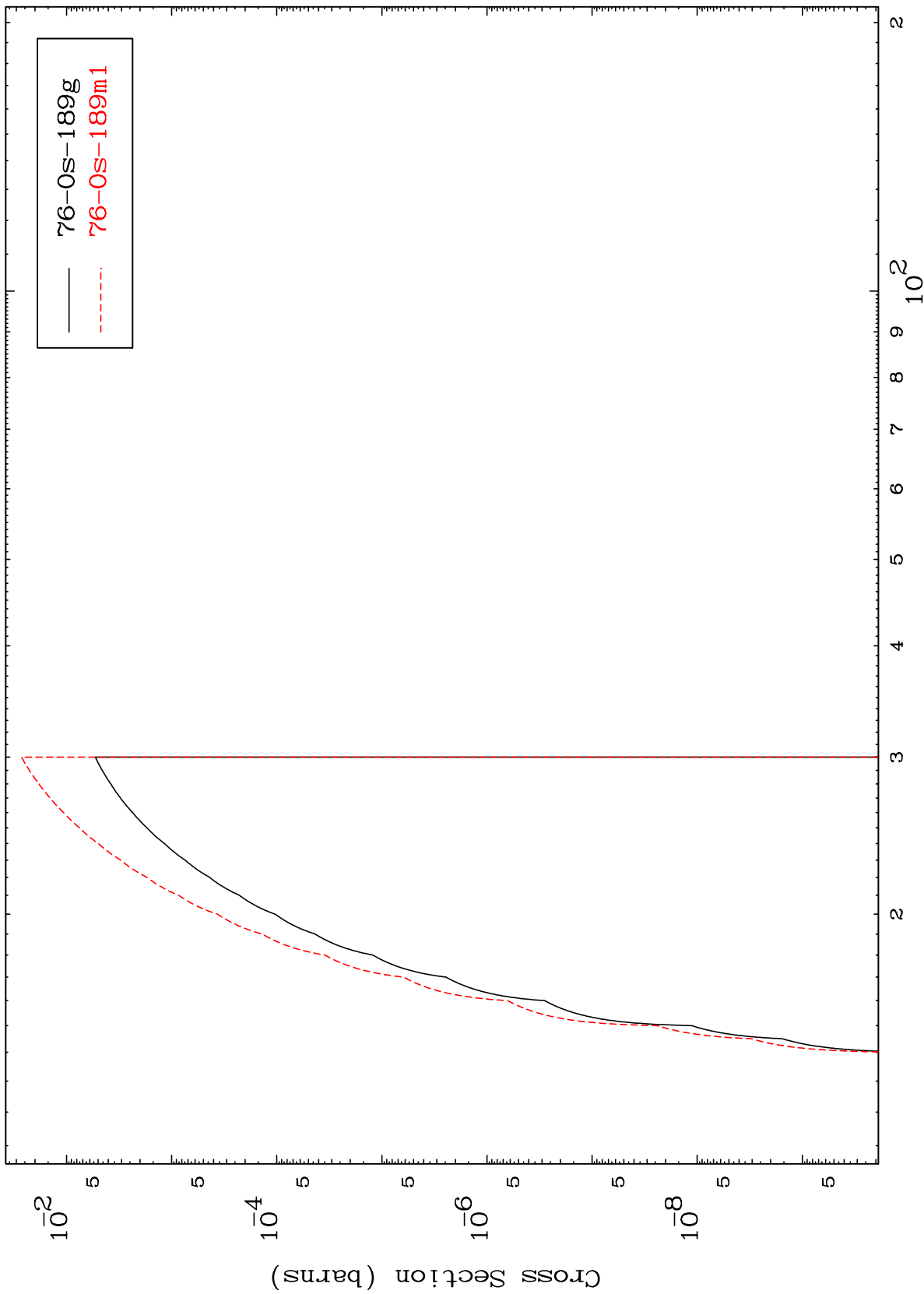
Incident Energy (MeV)

<sup>77</sup>Ir-191

Radionuclide Production Cross Section



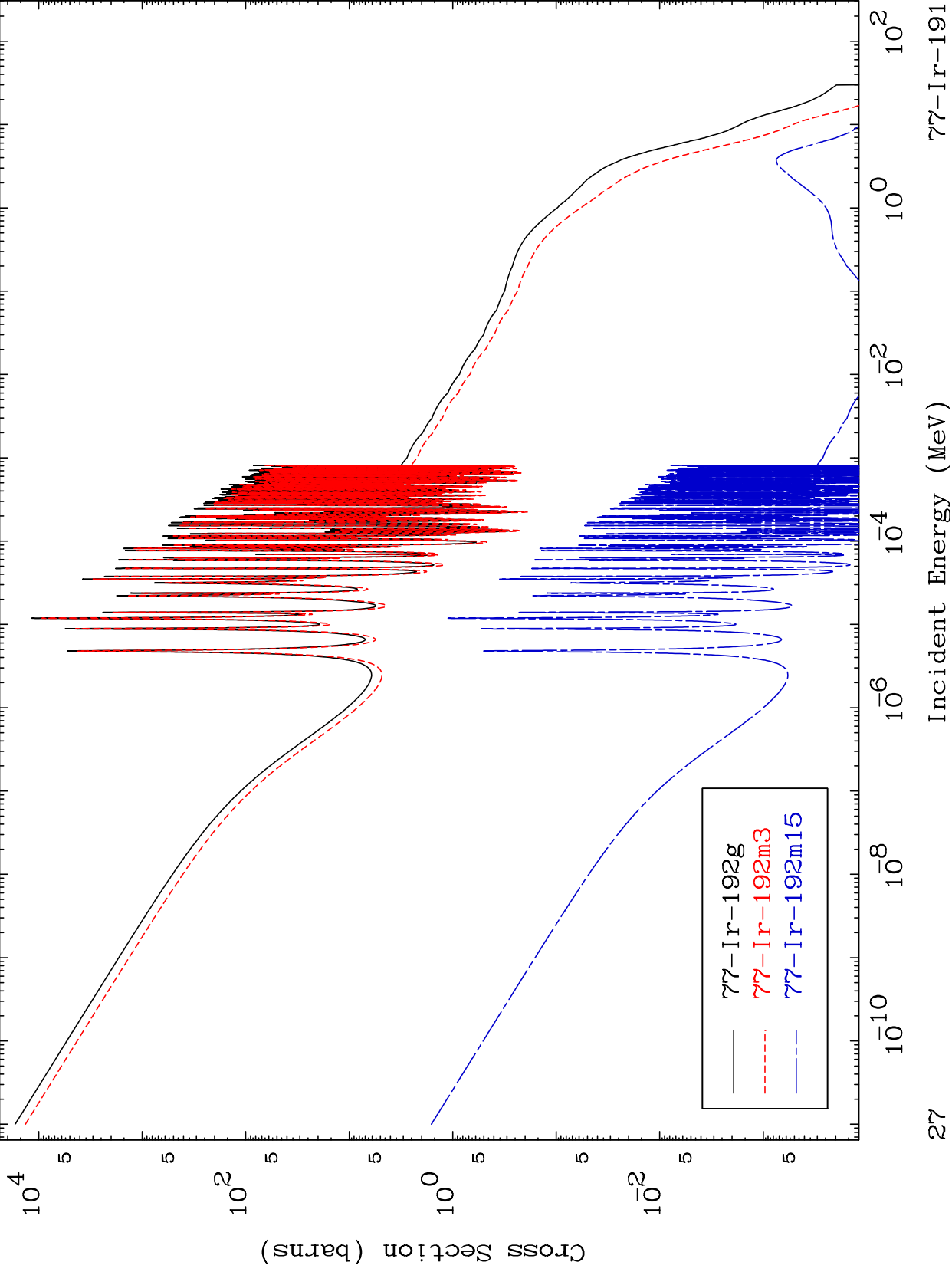
Radionuclide Production Cross Section



MAT 7726

<sup>77</sup>Ir-191

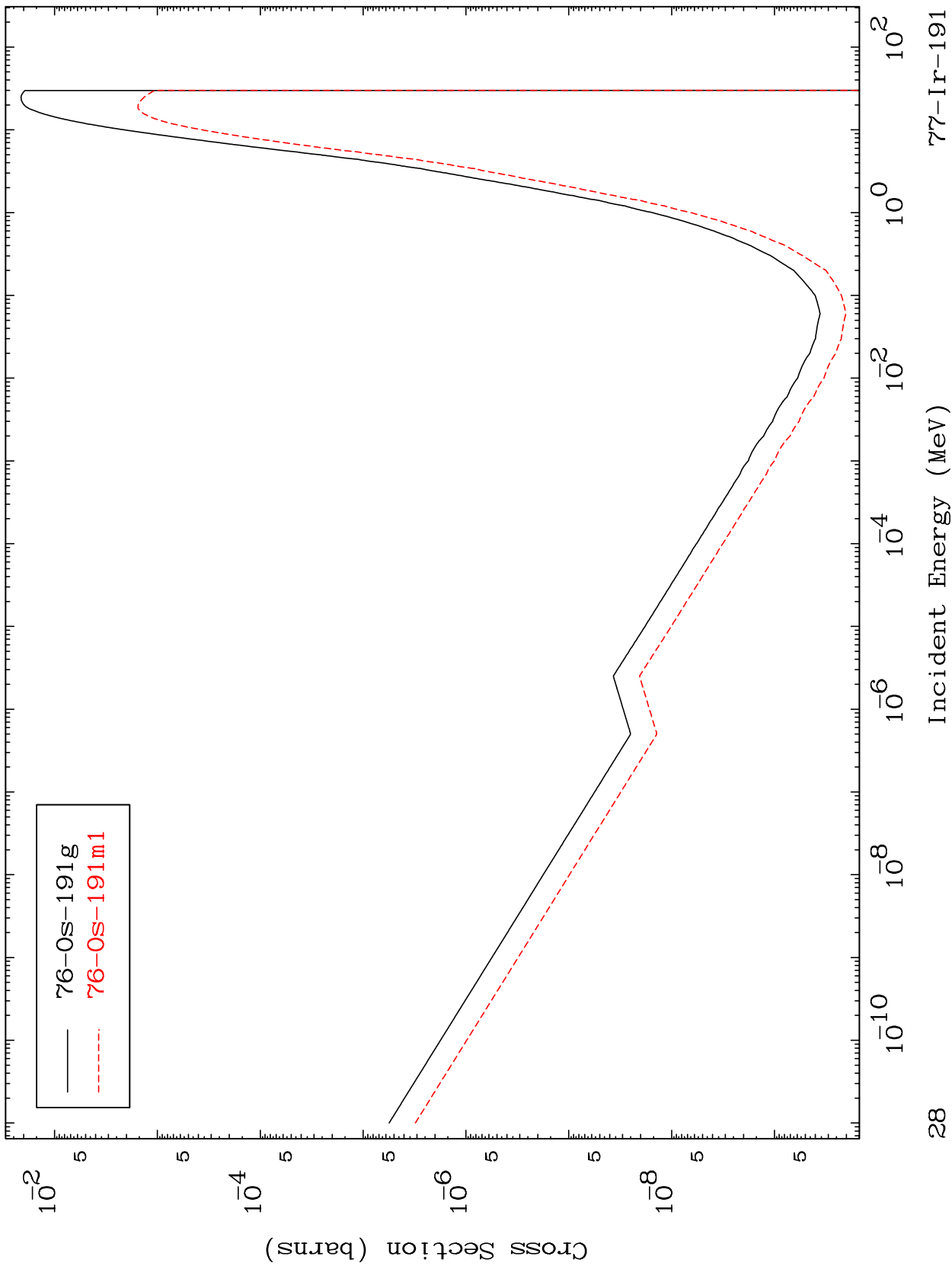
(n,γ)  
Radionuclide Production Cross Section



MAT 7726

<sup>77</sup>Ir-191

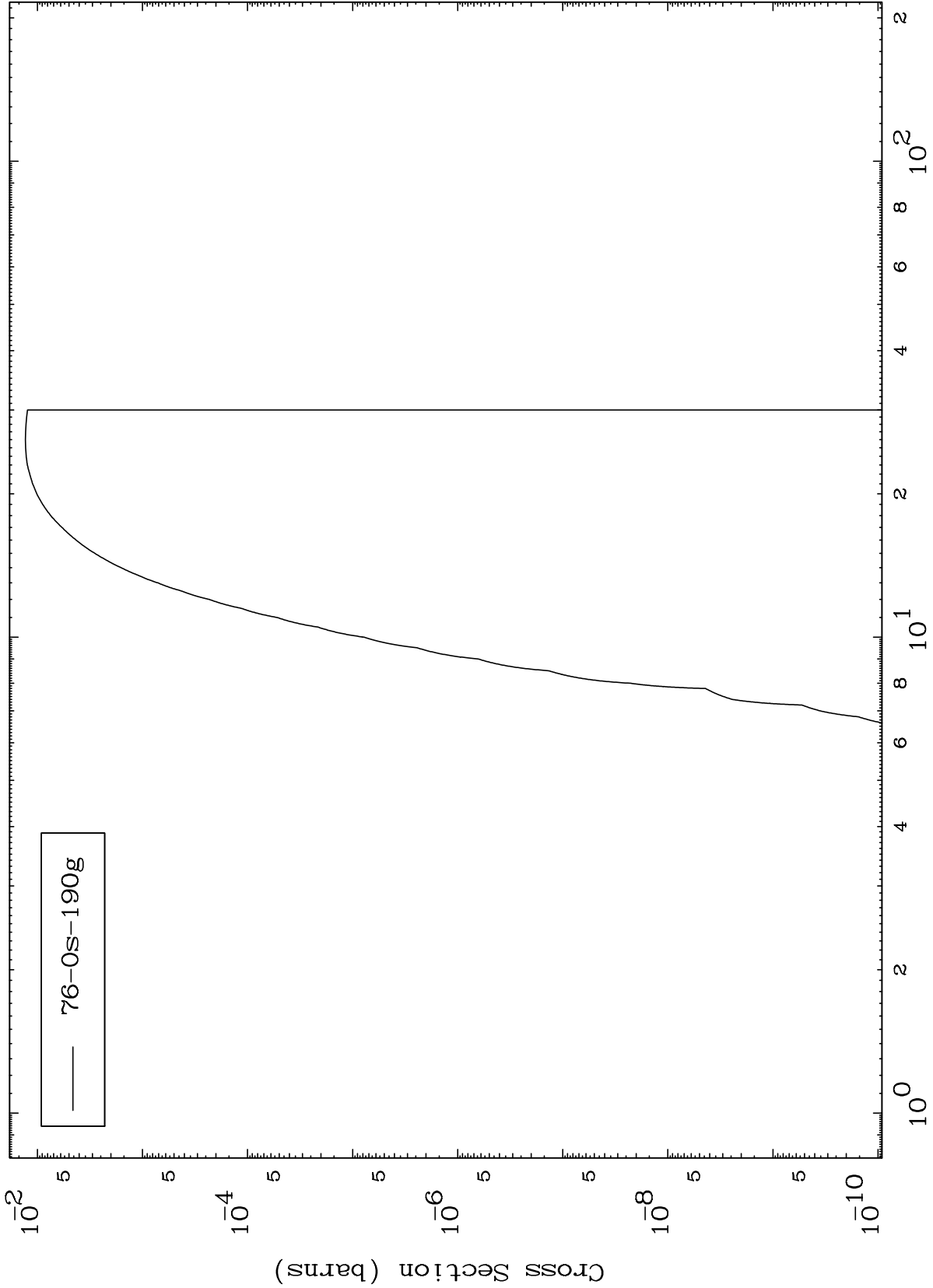
(n,p)  
Radionuclide Production Cross Section



MAT 7726

<sup>77</sup>Ir-191

(n,d)  
Radionuclide Production Cross Section



29

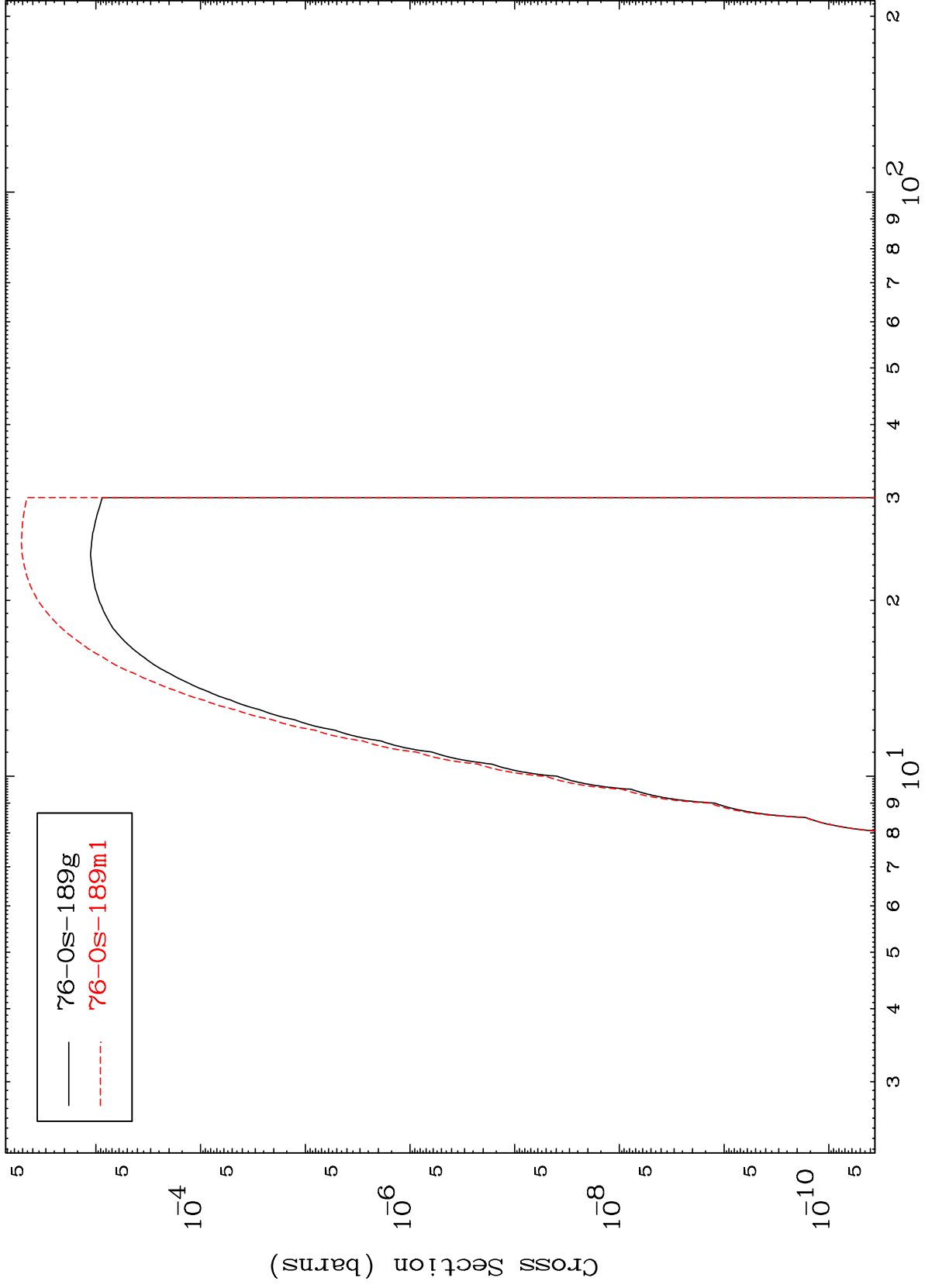
Incident Energy (MeV)

<sup>77</sup>Ir-191

MAT 7726

77-Ir-191

(n,t)  
Radionuclide Production Cross Section



30

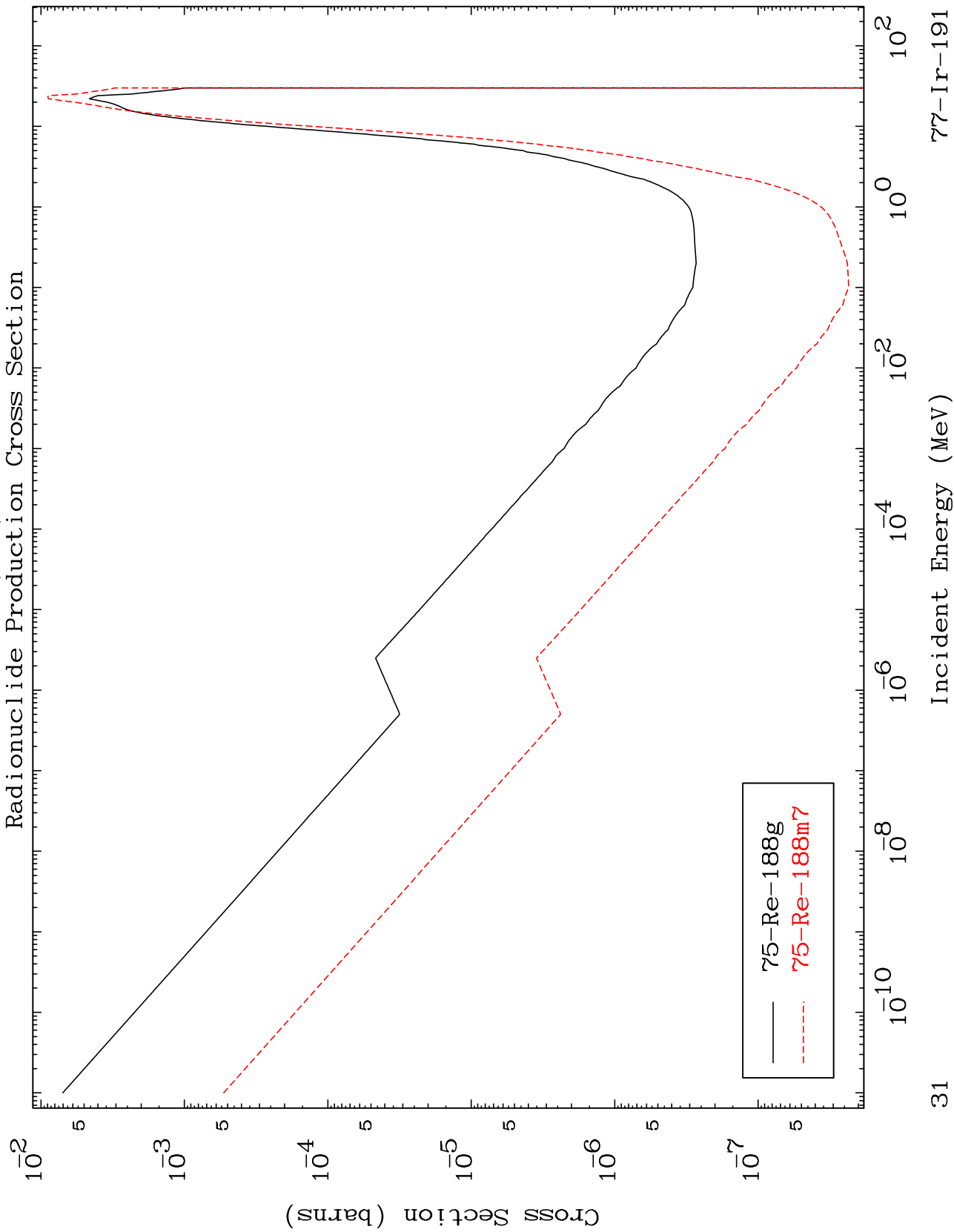
Incident Energy (MeV)

77-Ir-191

MAT 7726

77-Ir-191

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

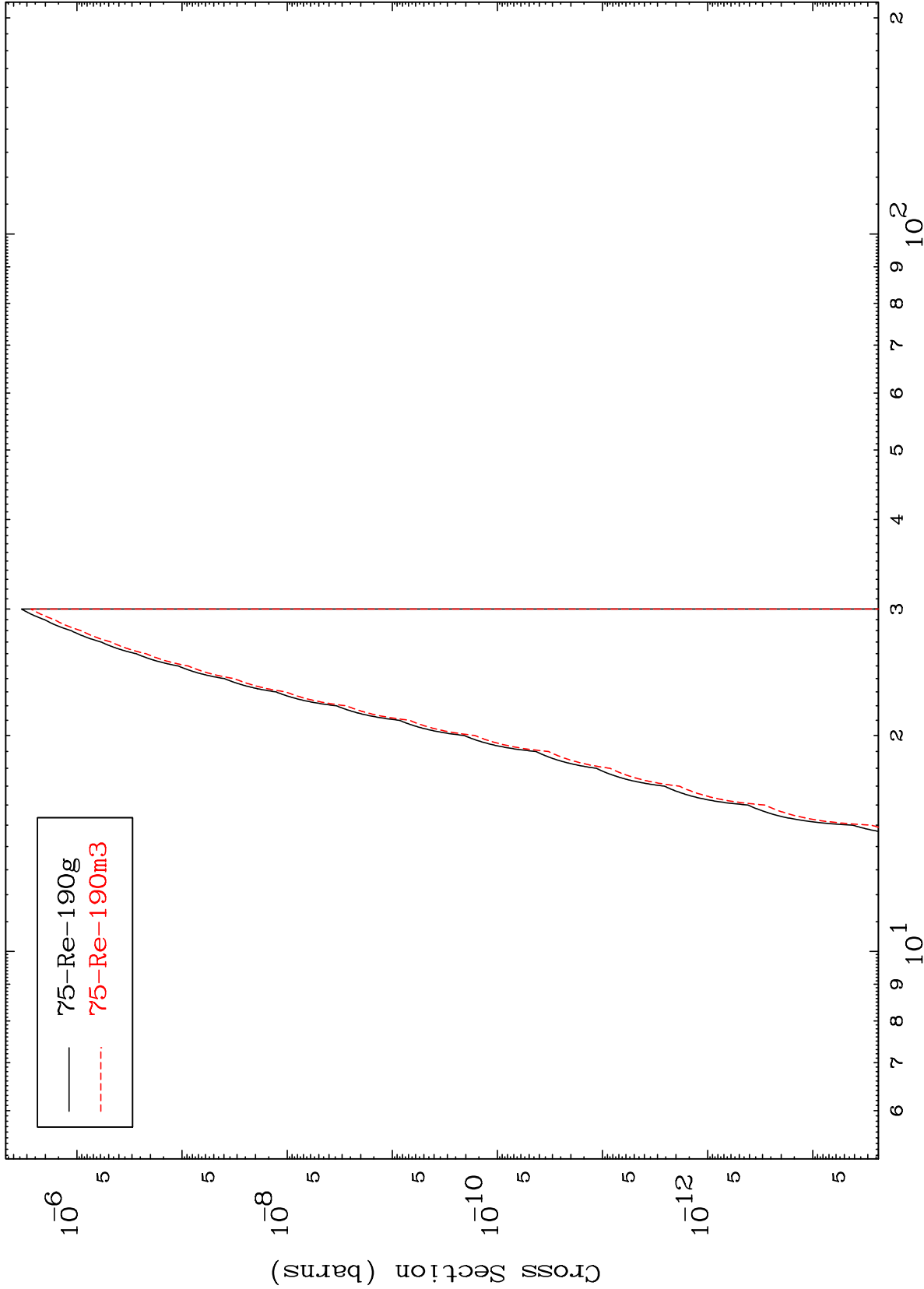




MAT 7726

77-Ir-191

(n,2p)  
Radionuclide Production Cross Section



32

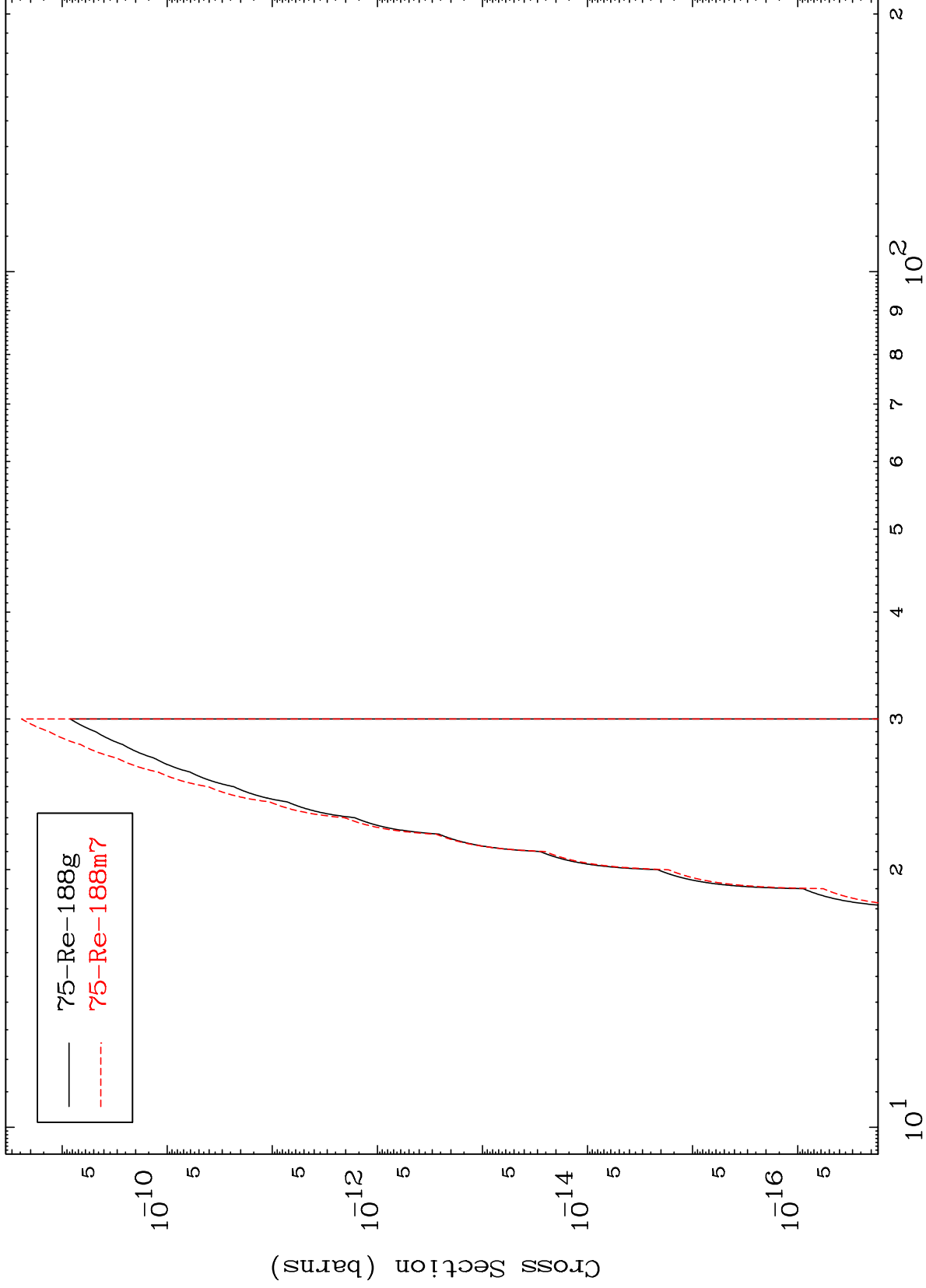
77-Ir-191

MAT 7726

(n,p) t

77-Ir-191

Radionuclide Production Cross Section



33

Incident Energy (MeV)

77-Ir-191