

Program EVALPLOT  
(Version 2015-2)

by

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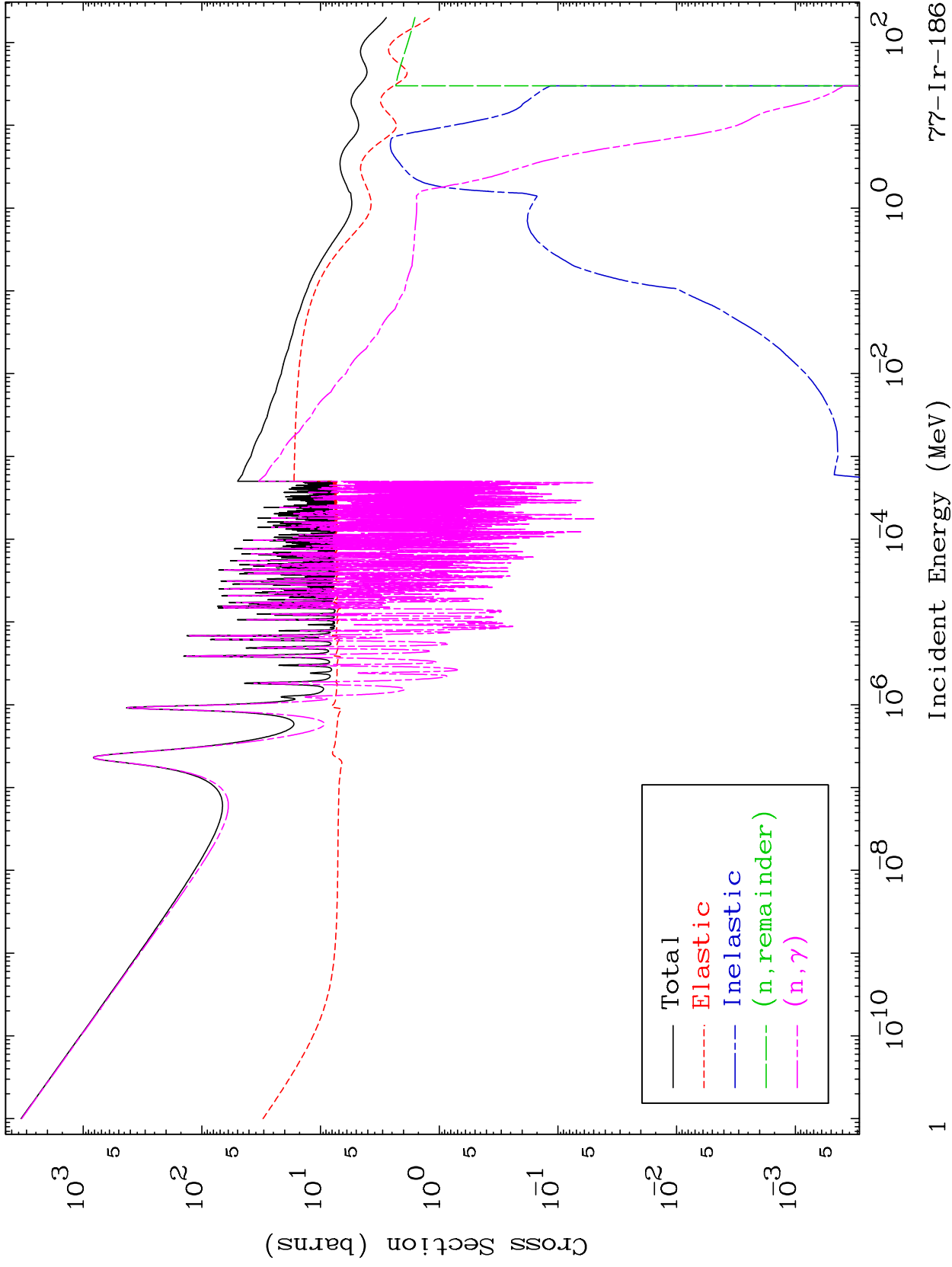
Press Mouse Button to Start

MAT 7711

Major

293 Kelvin Cross Sections

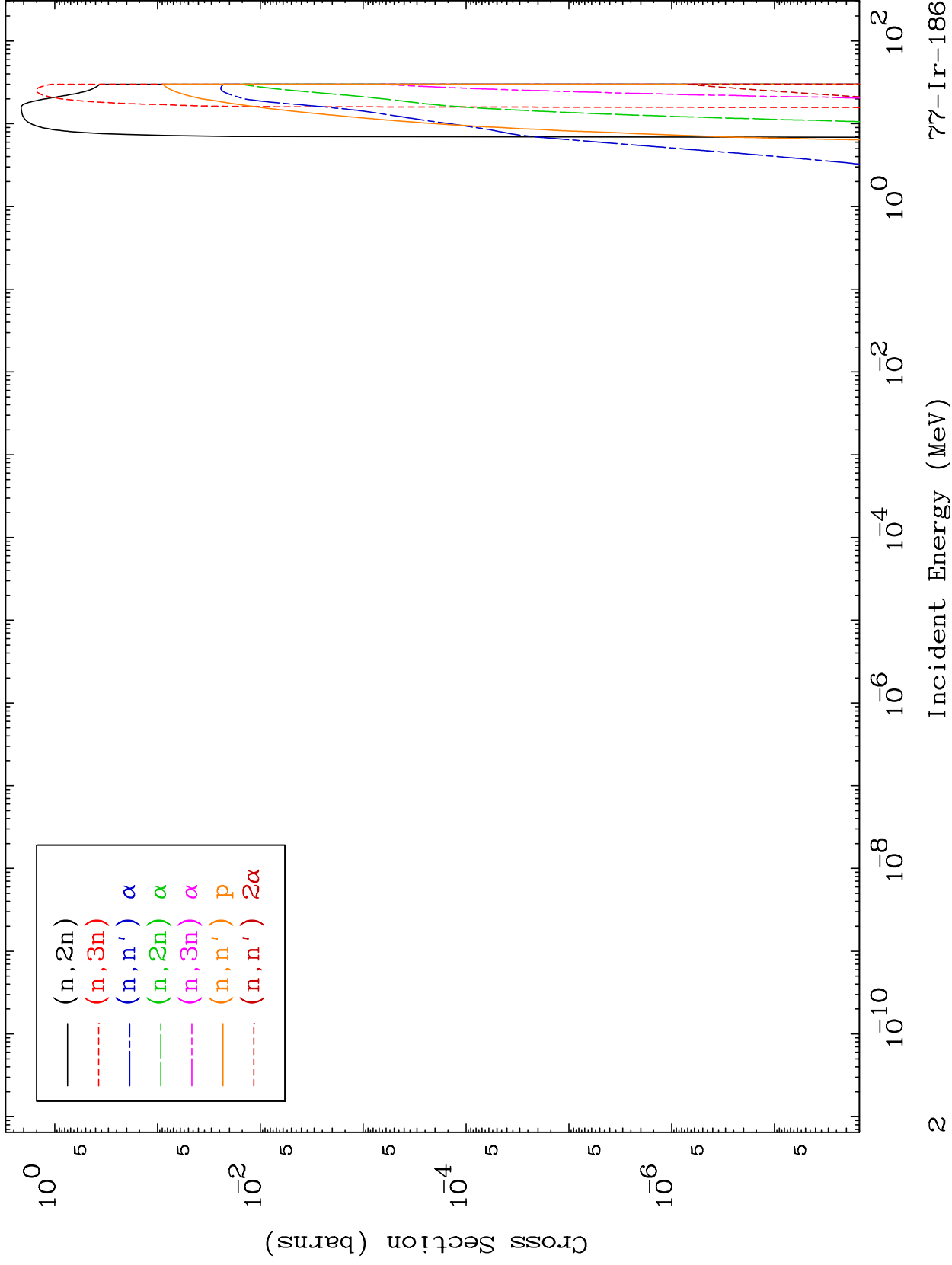
77-Ir-186



MAT 7711

Neutron Production  
293 Kelvin Cross Sections

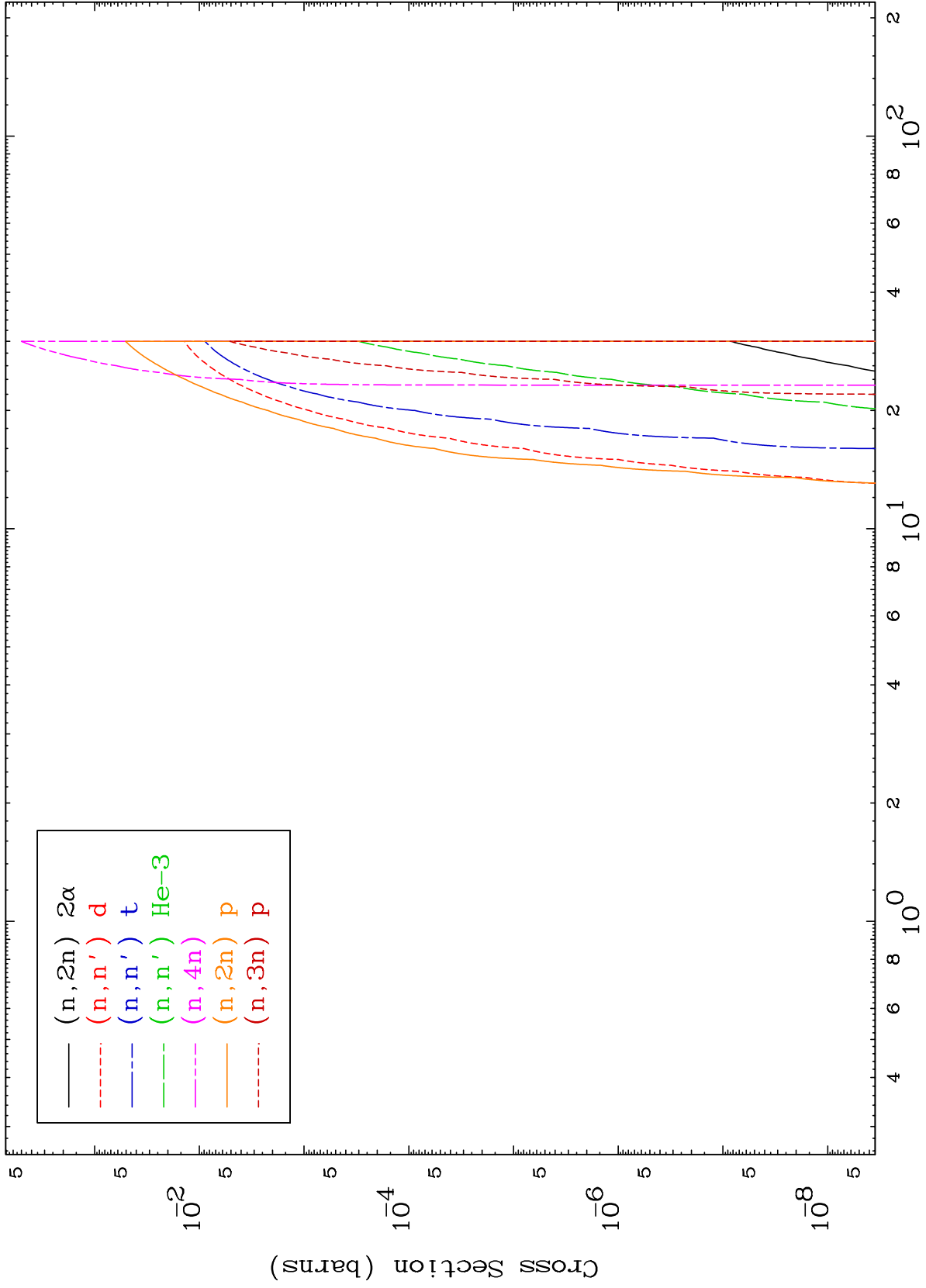
77-Ir-186



MAT 7711

Neutron Production  
293 Kelvin Cross Sections

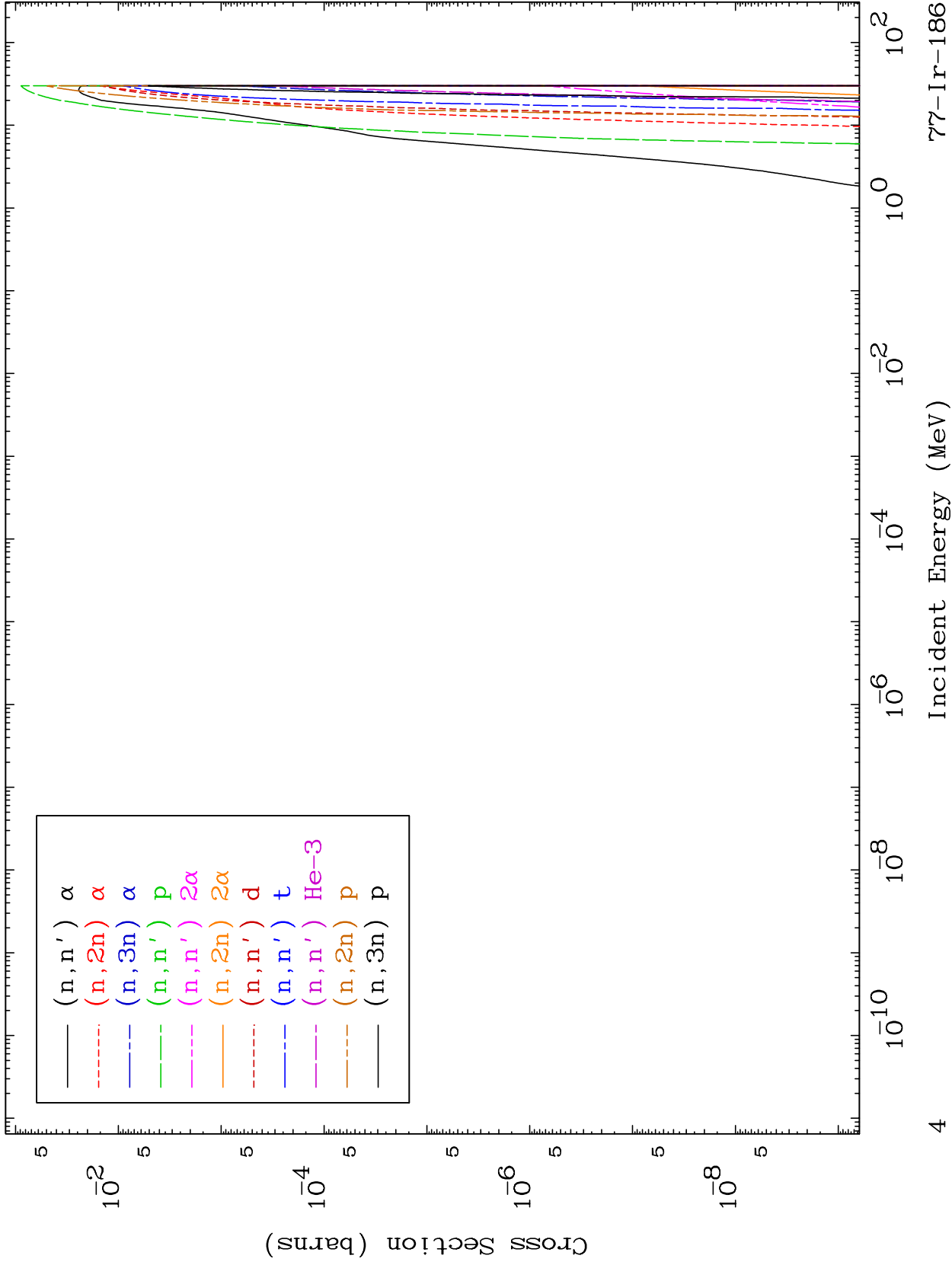
77-Ir-186



MAT 7711

Charged Particle  
293 Kelvin Cross Sections

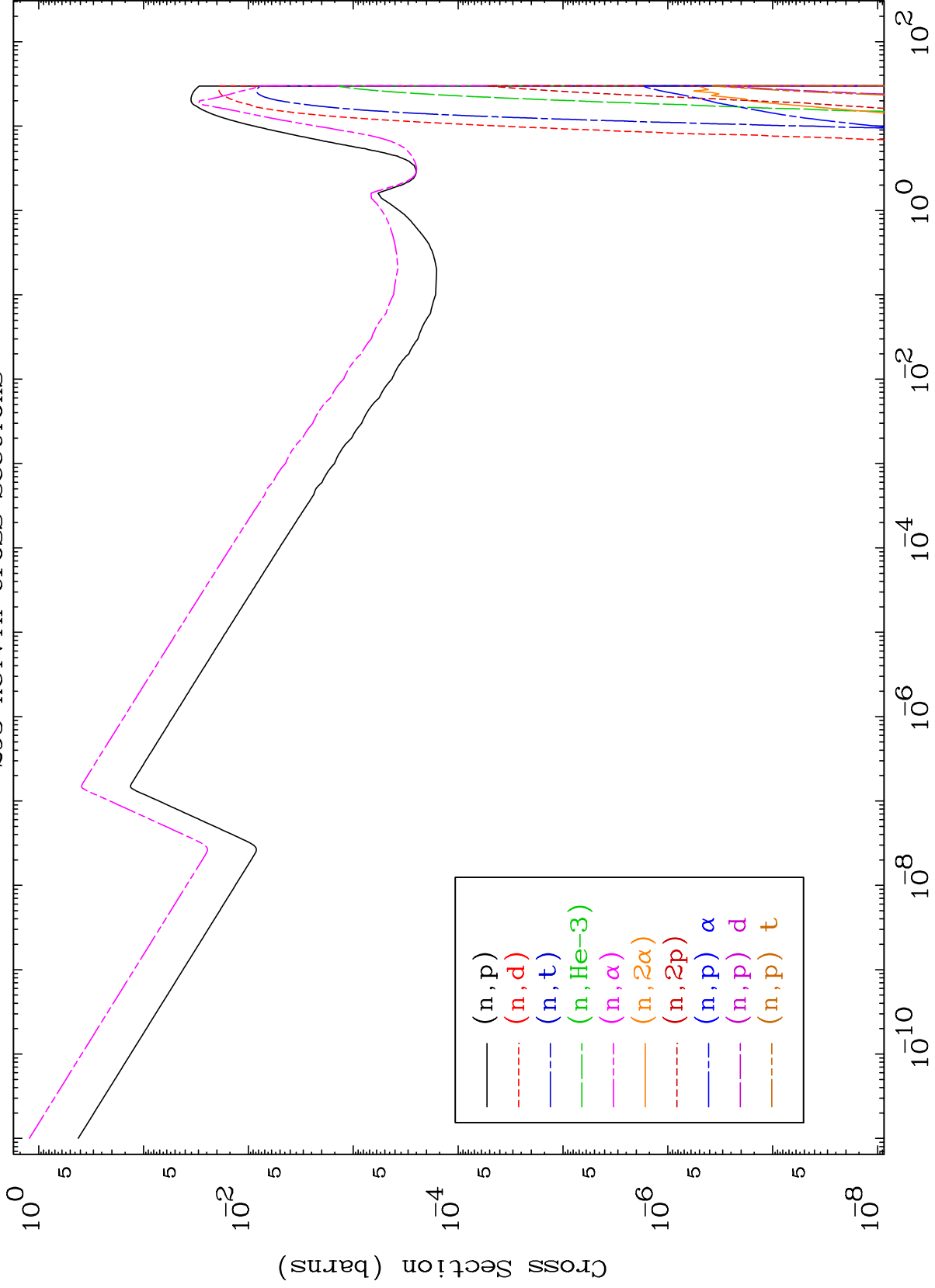
77-Ir-186



MAT 7711

Charged Particle  
293 Kelvin Cross Sections

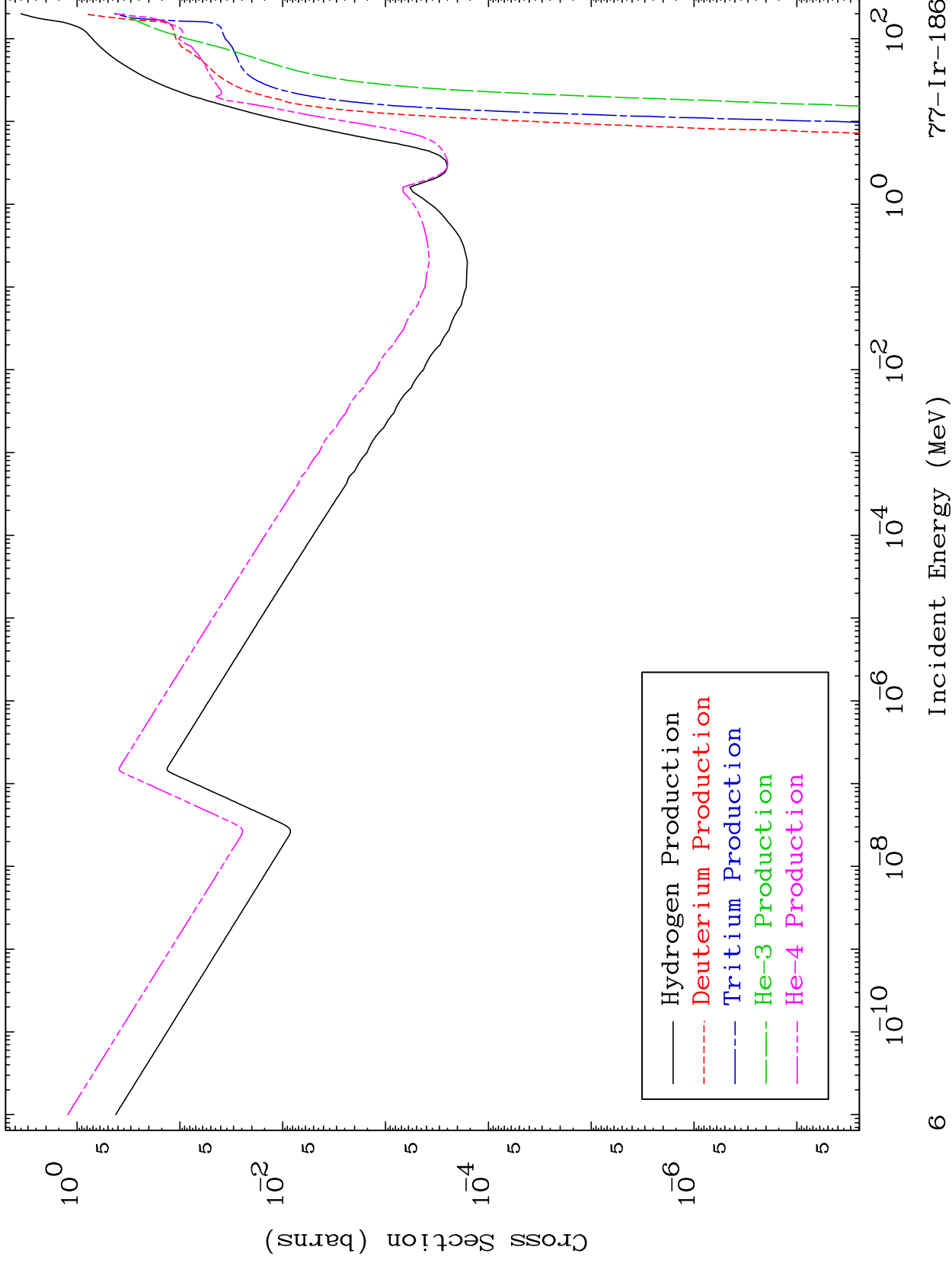
77-Ir-186



5

Incident Energy (MeV)

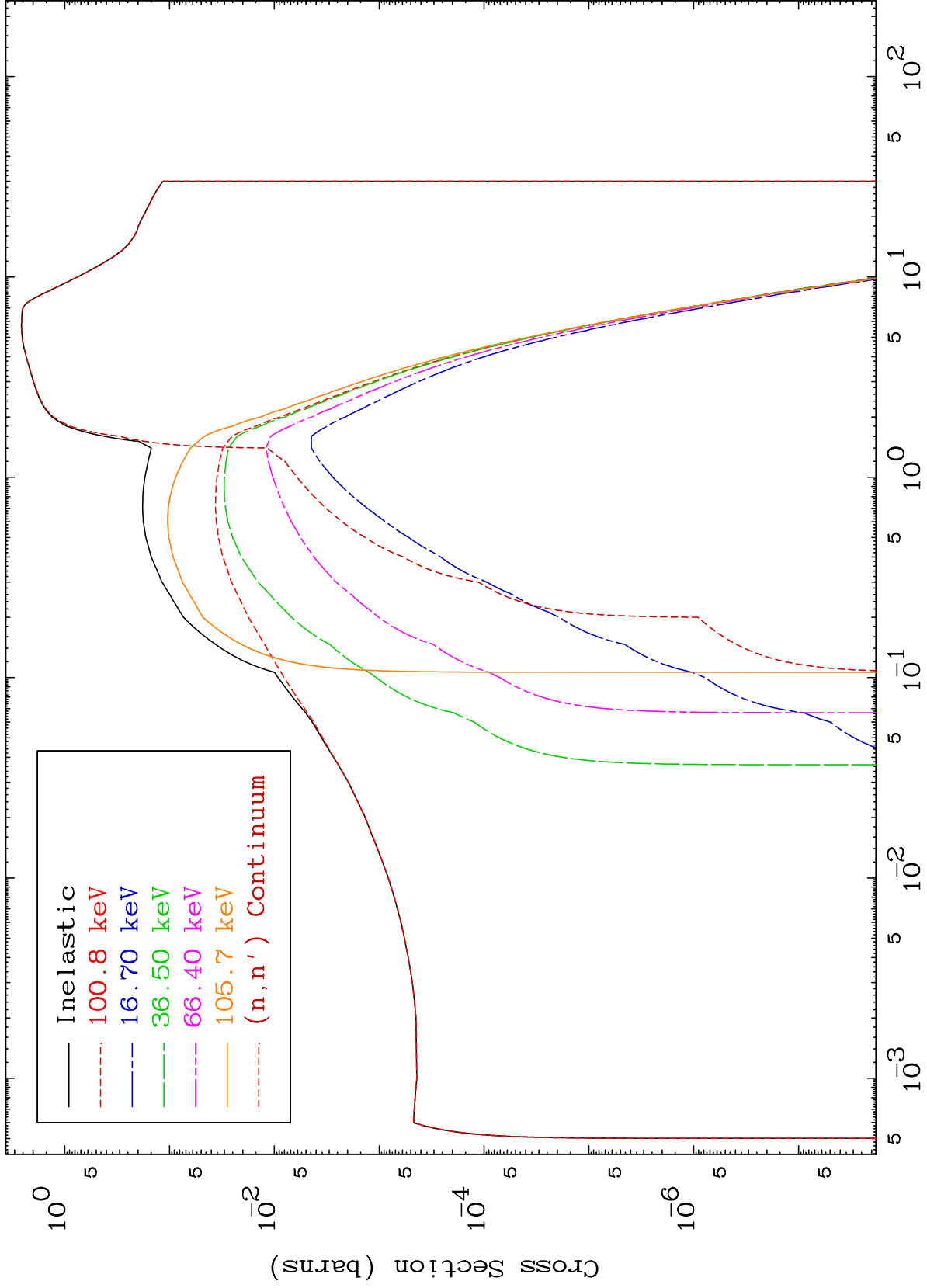
77-Ir-186



MAT 7711

293 Kelvin Cross Sections  
(n,n') Level

77-Ir-186



7

Incident Energy (MeV)

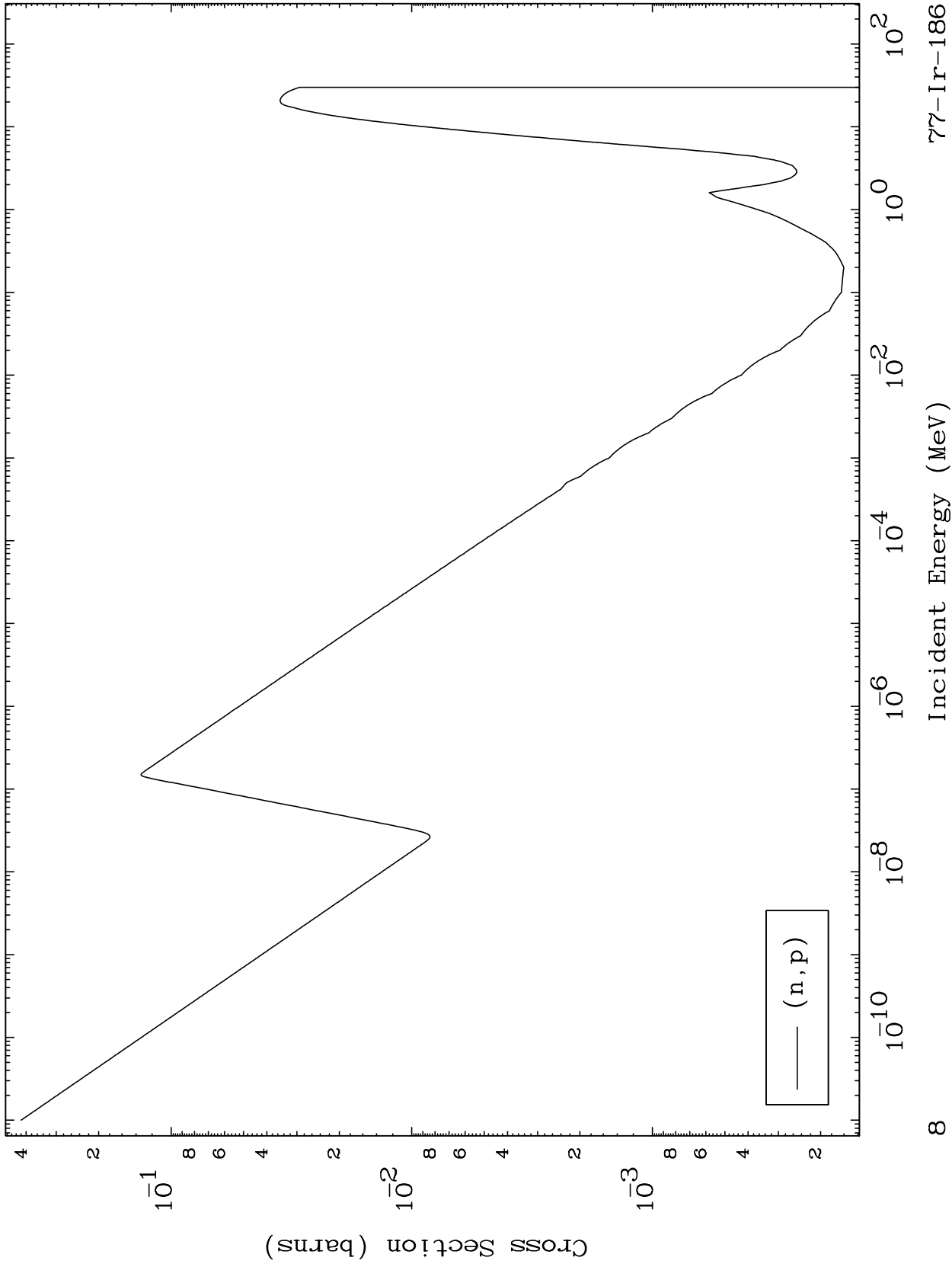
77-Ir-186



MAT 7711

(n,p) Levels  
293 Kelvin Cross Sections

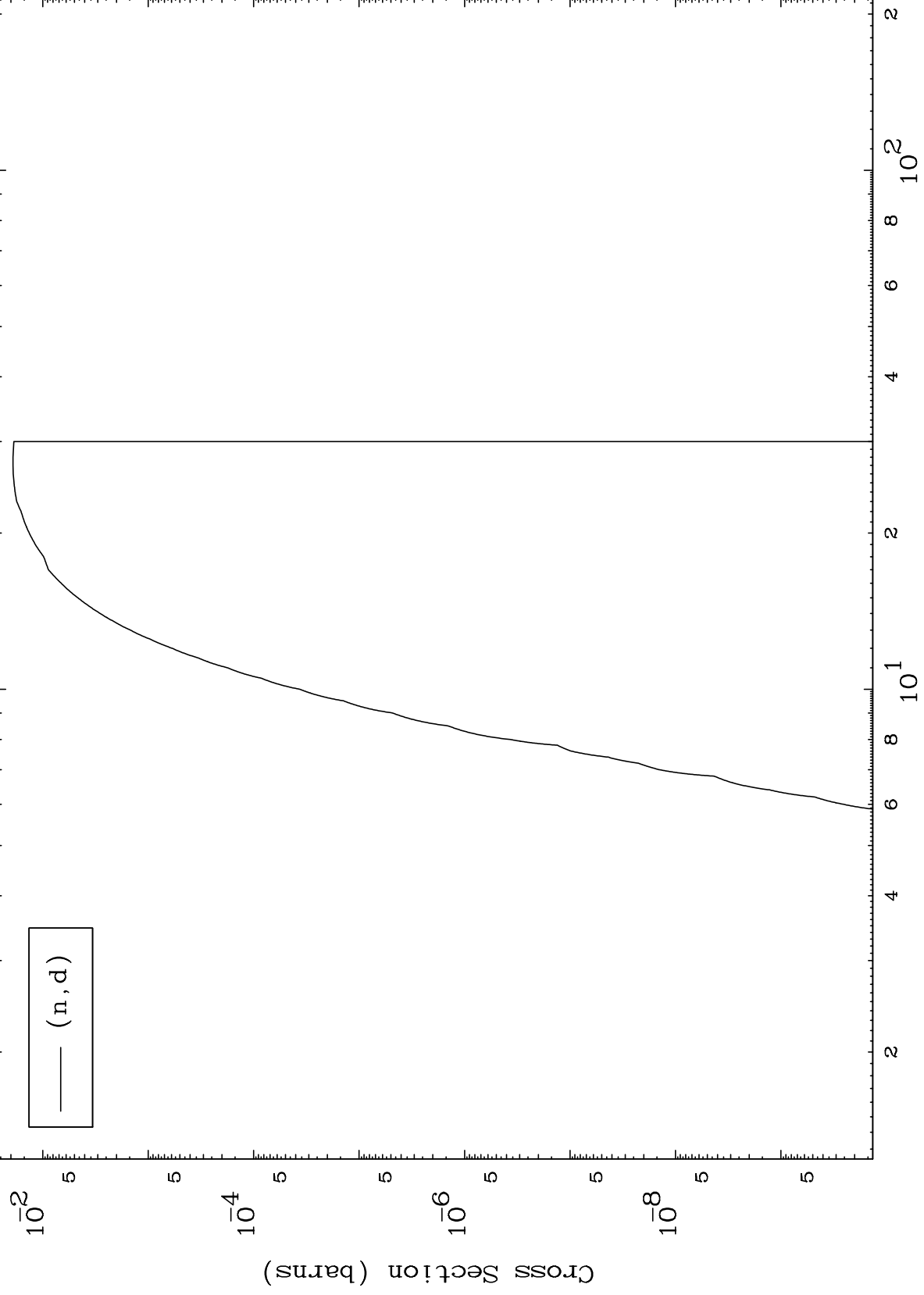
77-Ir-186



MAT 7711

(n,d) Levels  
293 Kelvin Cross Sections

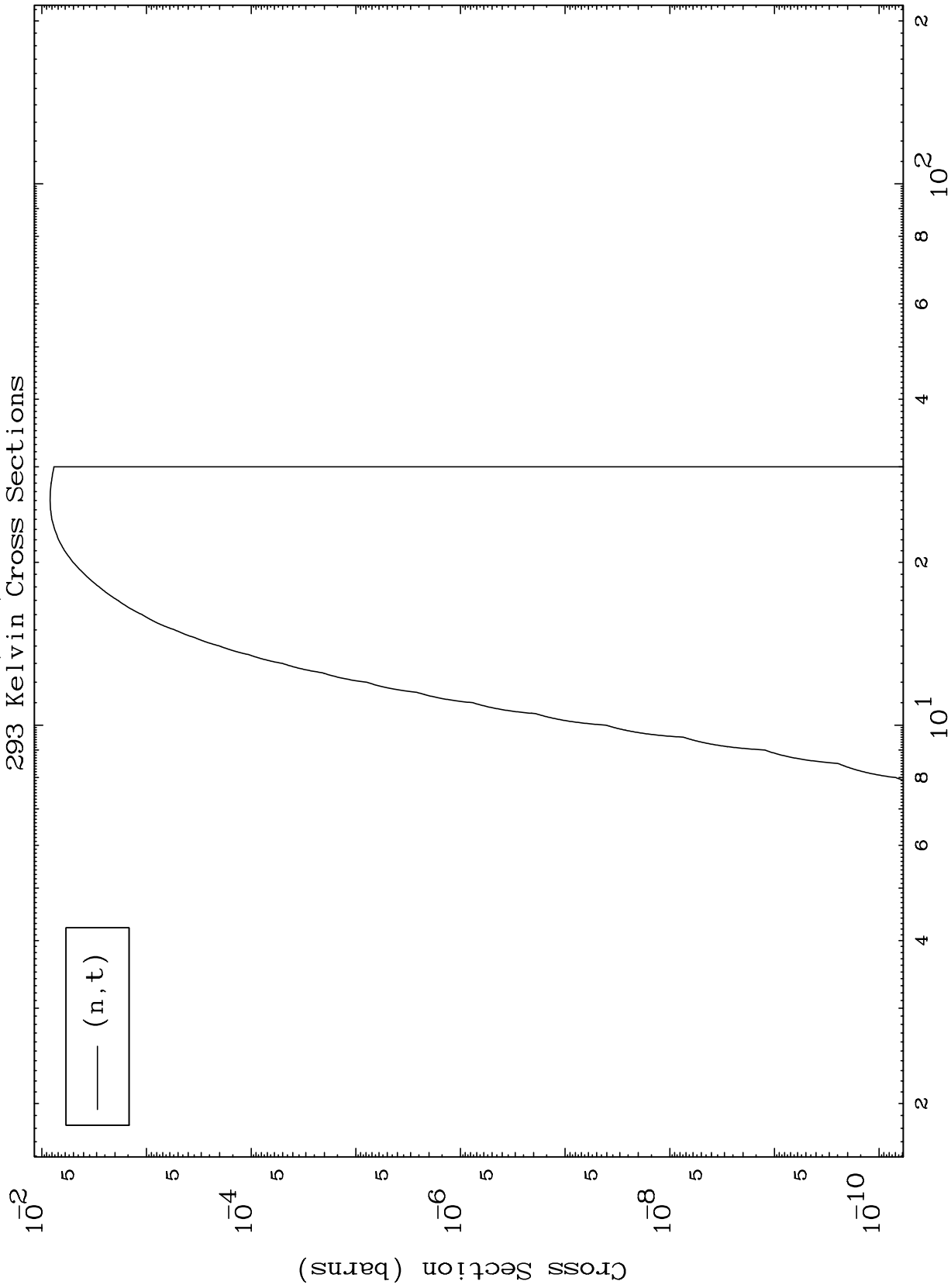
<sup>77</sup>Ir-186



MAT 7711

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-186



10

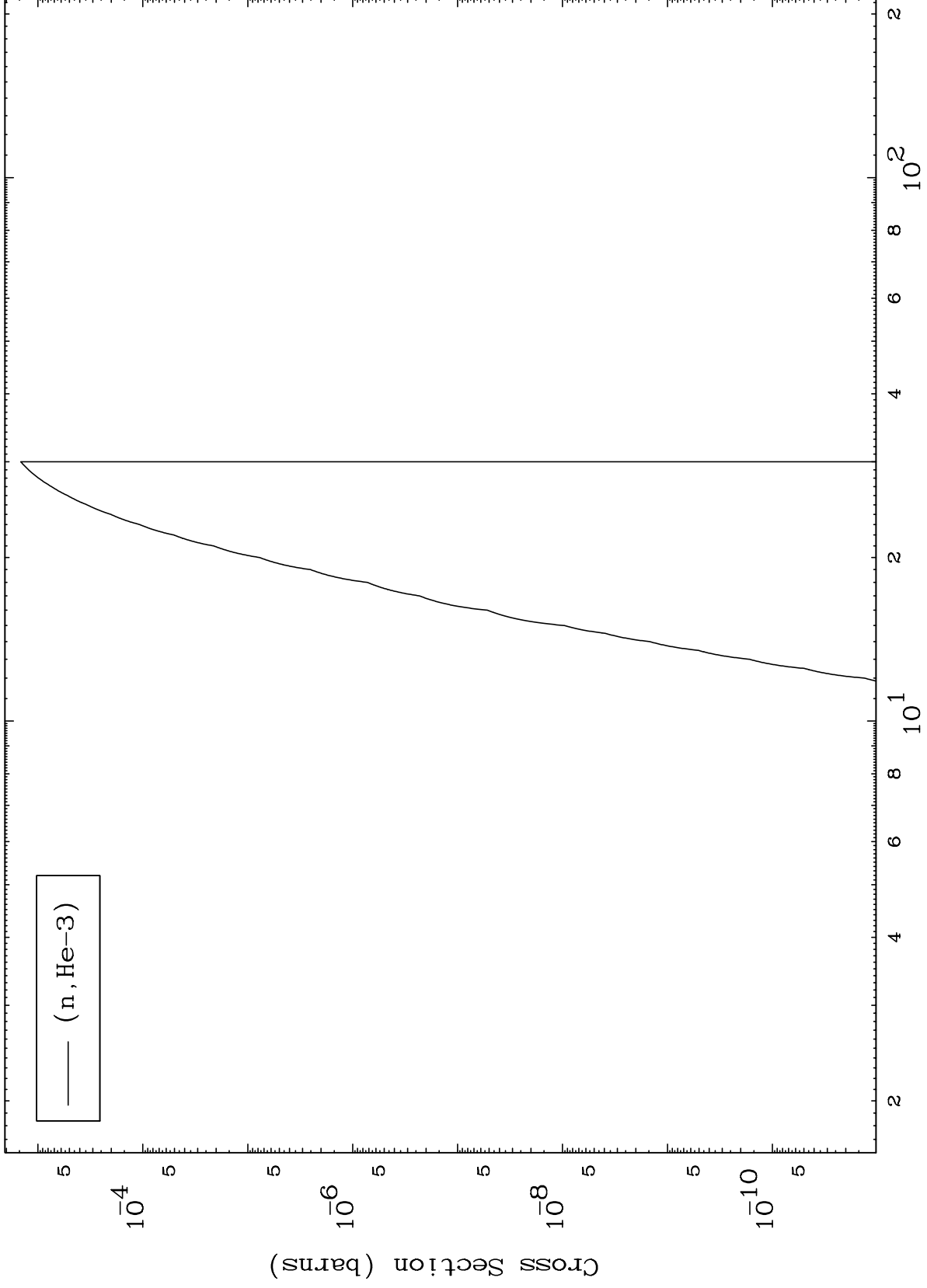
Incident Energy (MeV)

77-Ir-186

MAT 7711

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-186



11

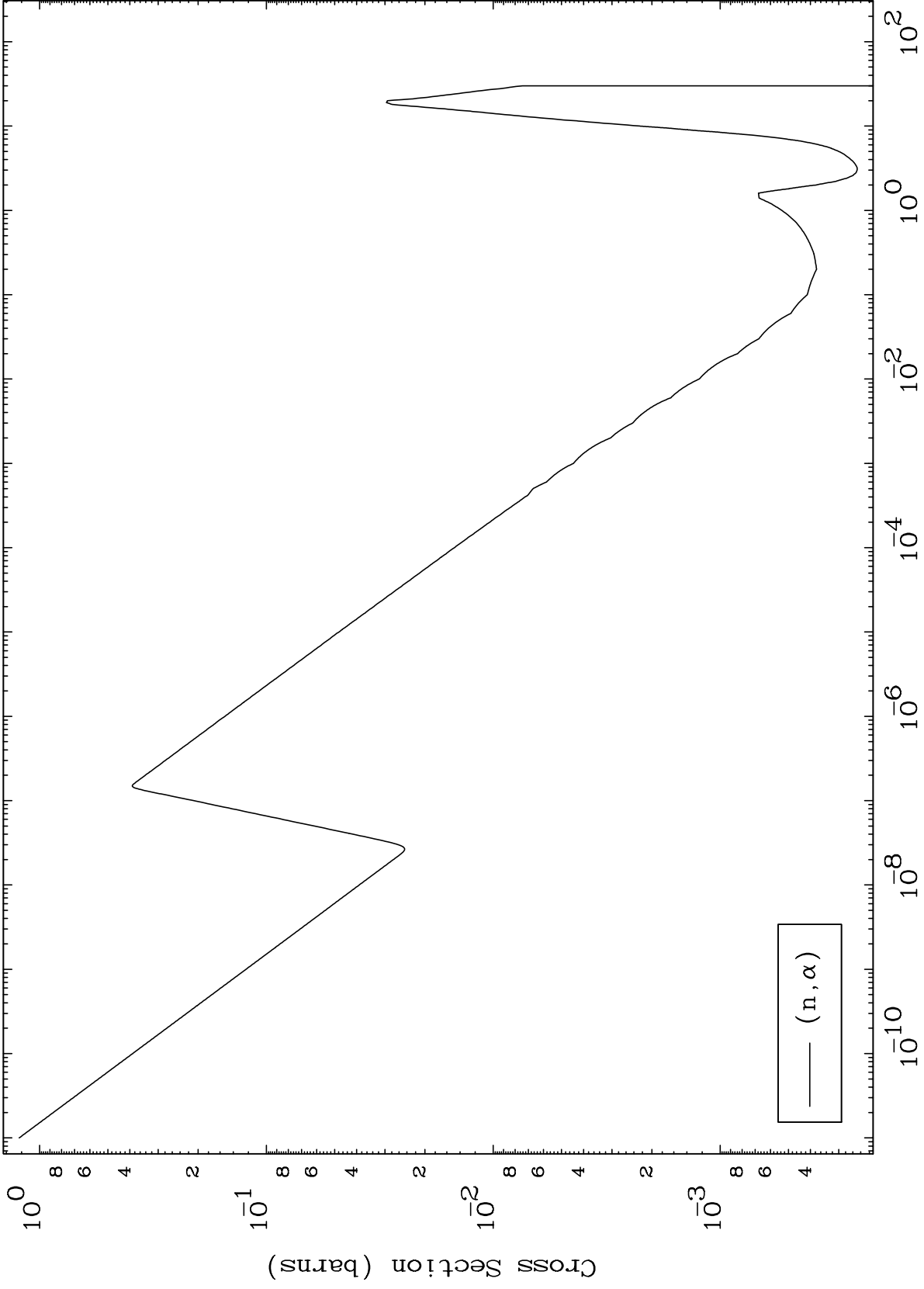
Incident Energy (MeV)

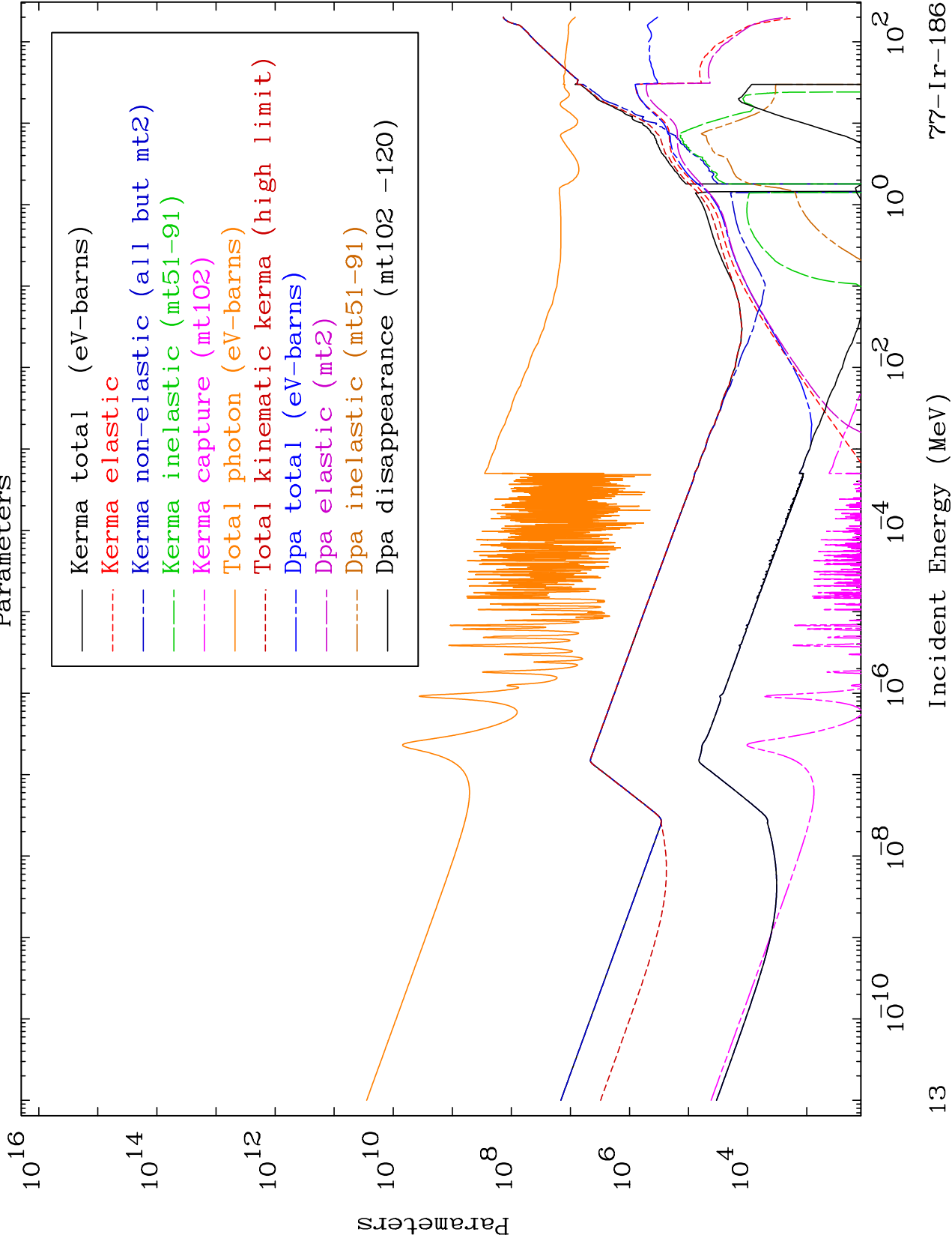
77-Ir-186

MAT 7711

(n,α) Levels  
293 Kelvin Cross Sections

77-Ir-186







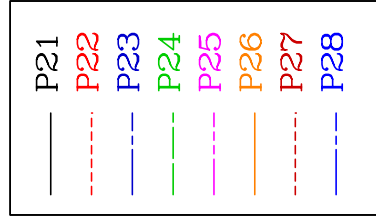




MAT 7711

Elastic  
Legendre Coefficients

77-Ir-186



$\times 10^{-6}$

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

25

30

16

Incident Energy (MeV)

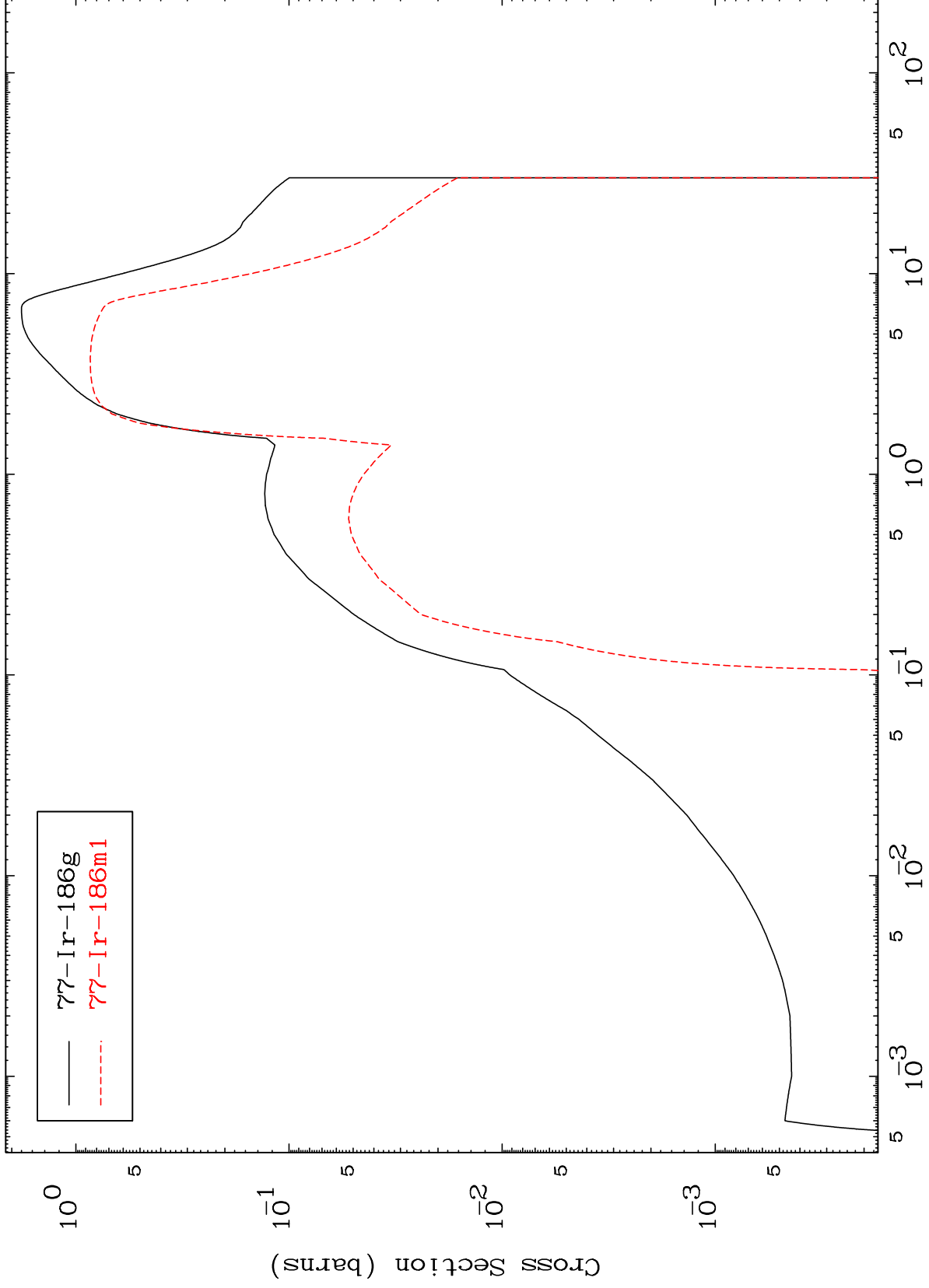
77-Ir-186

MAT 7711

Inelastic

<sup>77</sup>Ir-186

Radionuclide Production Cross Section



— <sup>77</sup>Ir-186g  
- - - <sup>77</sup>Ir-186m1

17

Incident Energy (MeV)

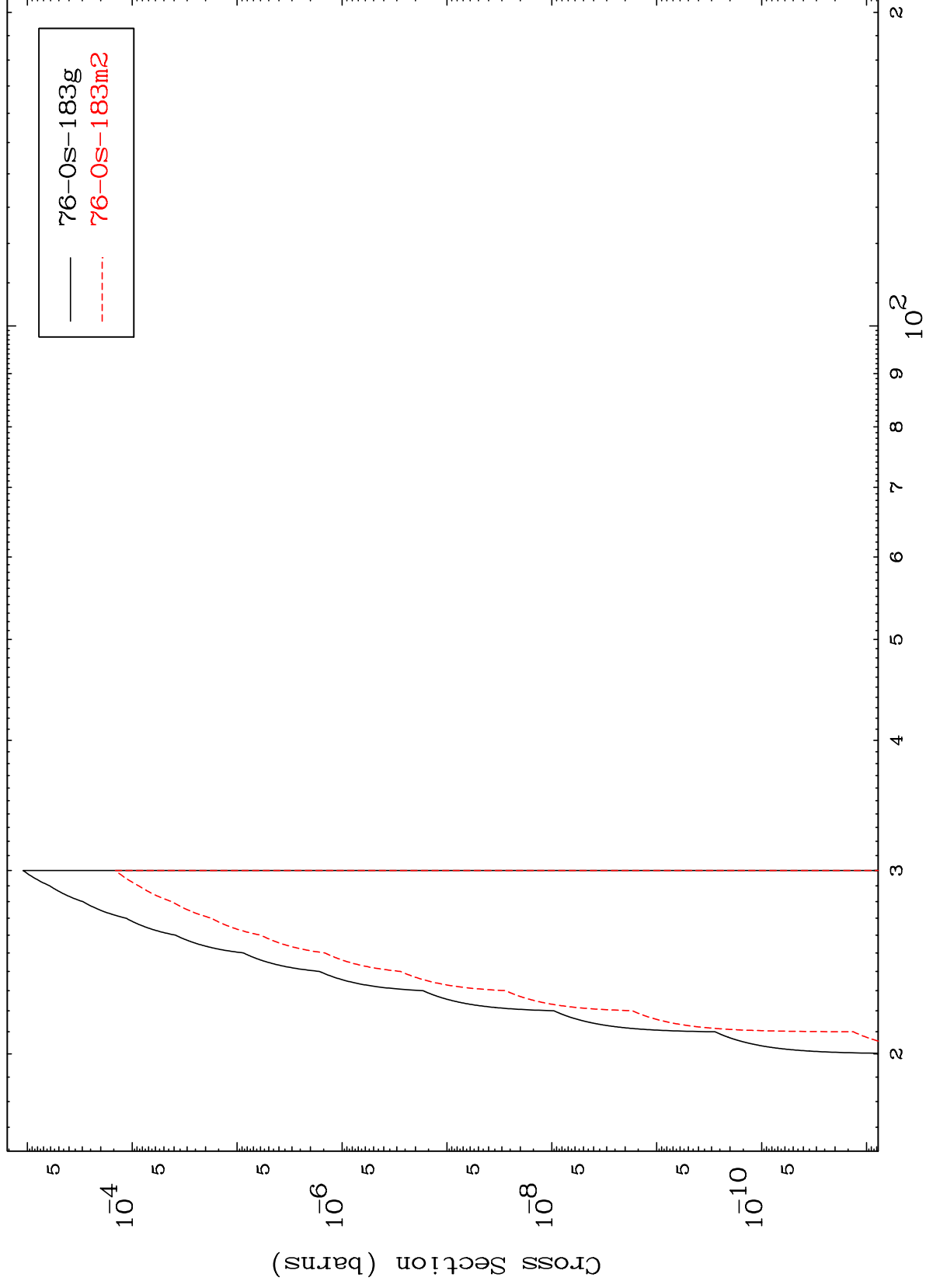
<sup>77</sup>Ir-186

MAT 7711

(n,2n) d

77-Ir-186

Radionuclide Production Cross Section



18

Incident Energy (MeV)

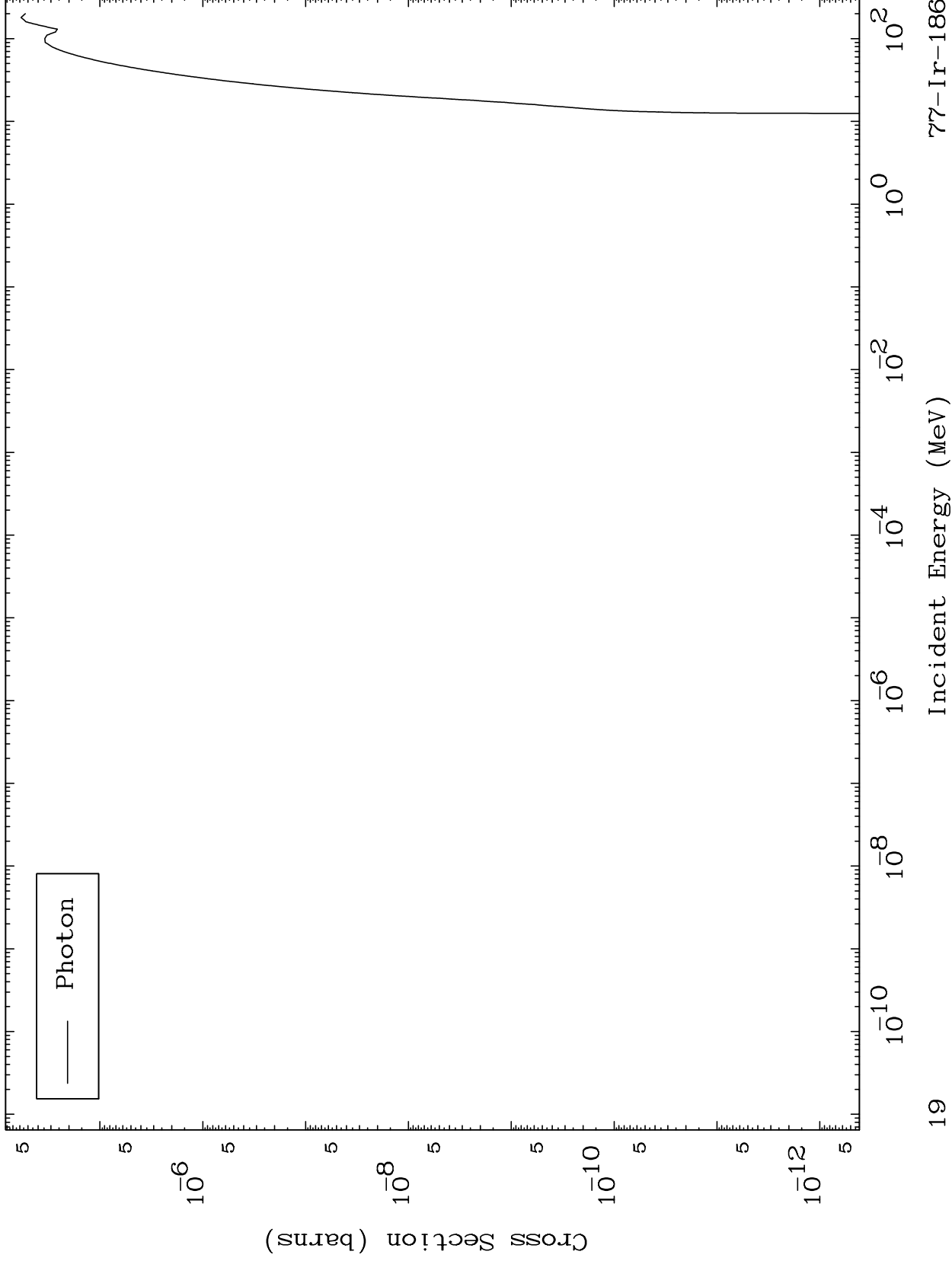
77-Ir-186

MAT 7711

Fission

77-Ir-186

Radionuclide Production Cross Section

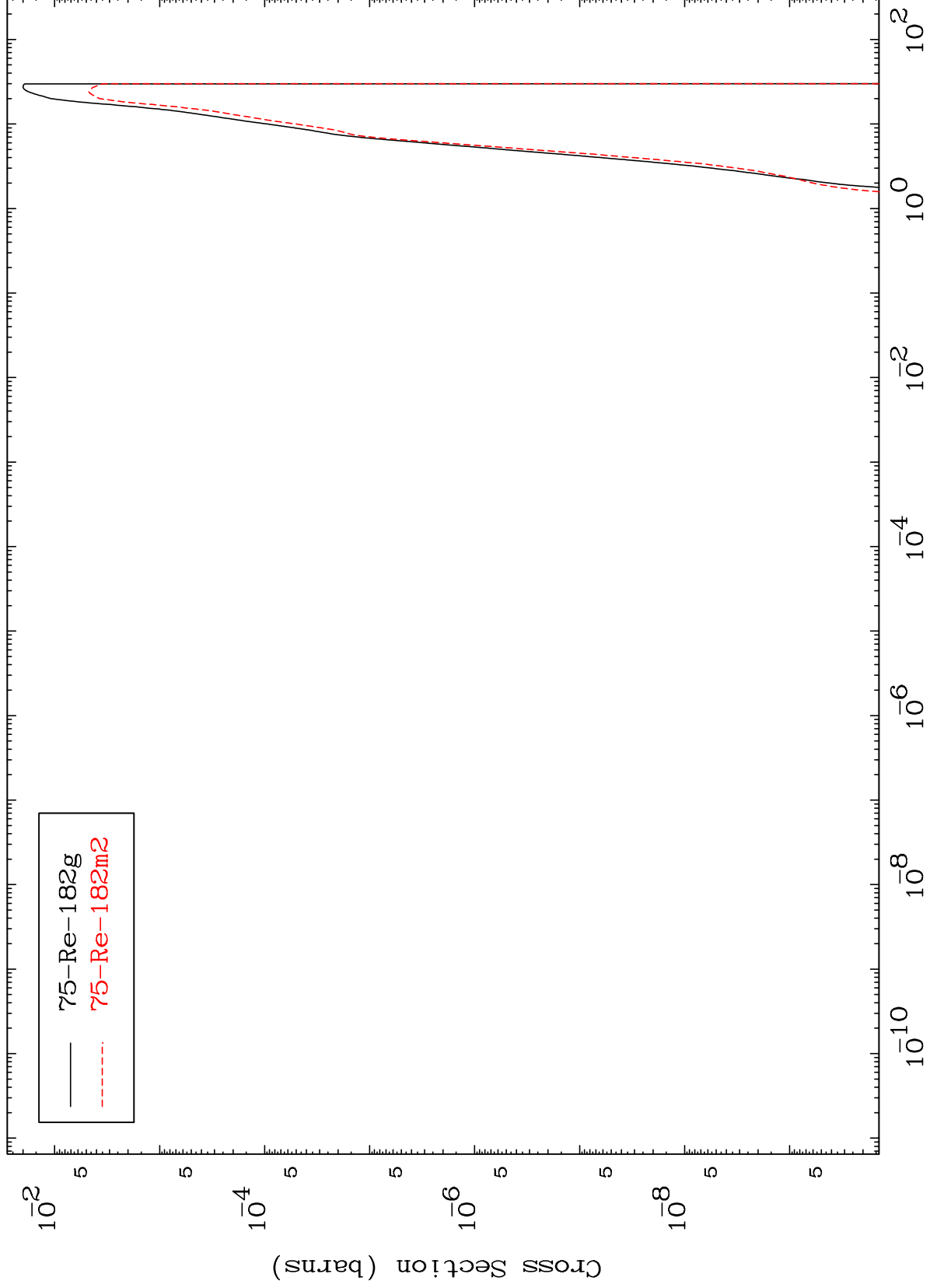


MAT 7711

$(n, n') \alpha$

$^{77}\text{Ir-186}$

Radionuclide Production Cross Section



20

Incident Energy (MeV)

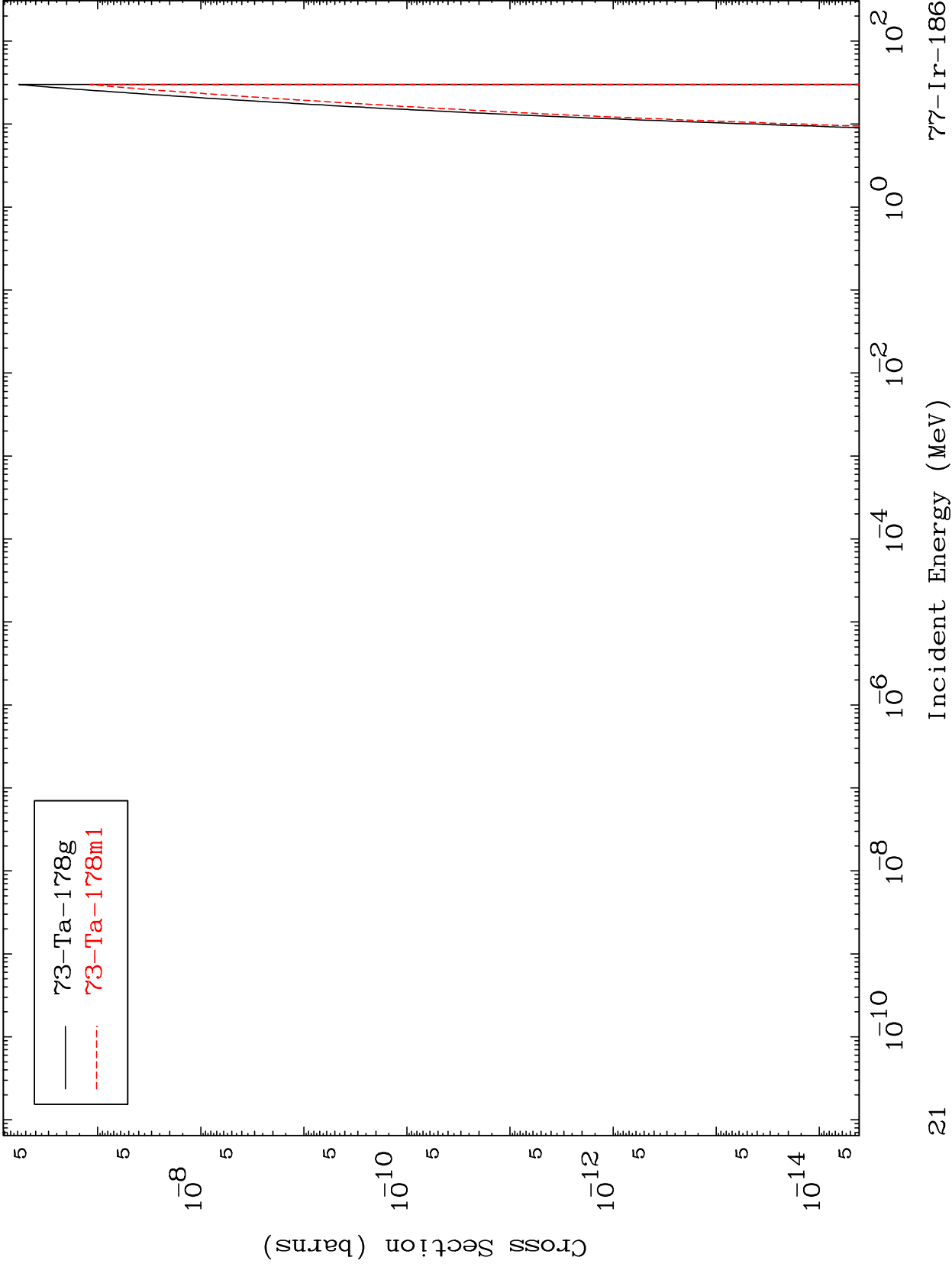
$^{77}\text{Ir-186}$

MAT 7711

(n,n') 2α

<sup>77</sup>Ir-186

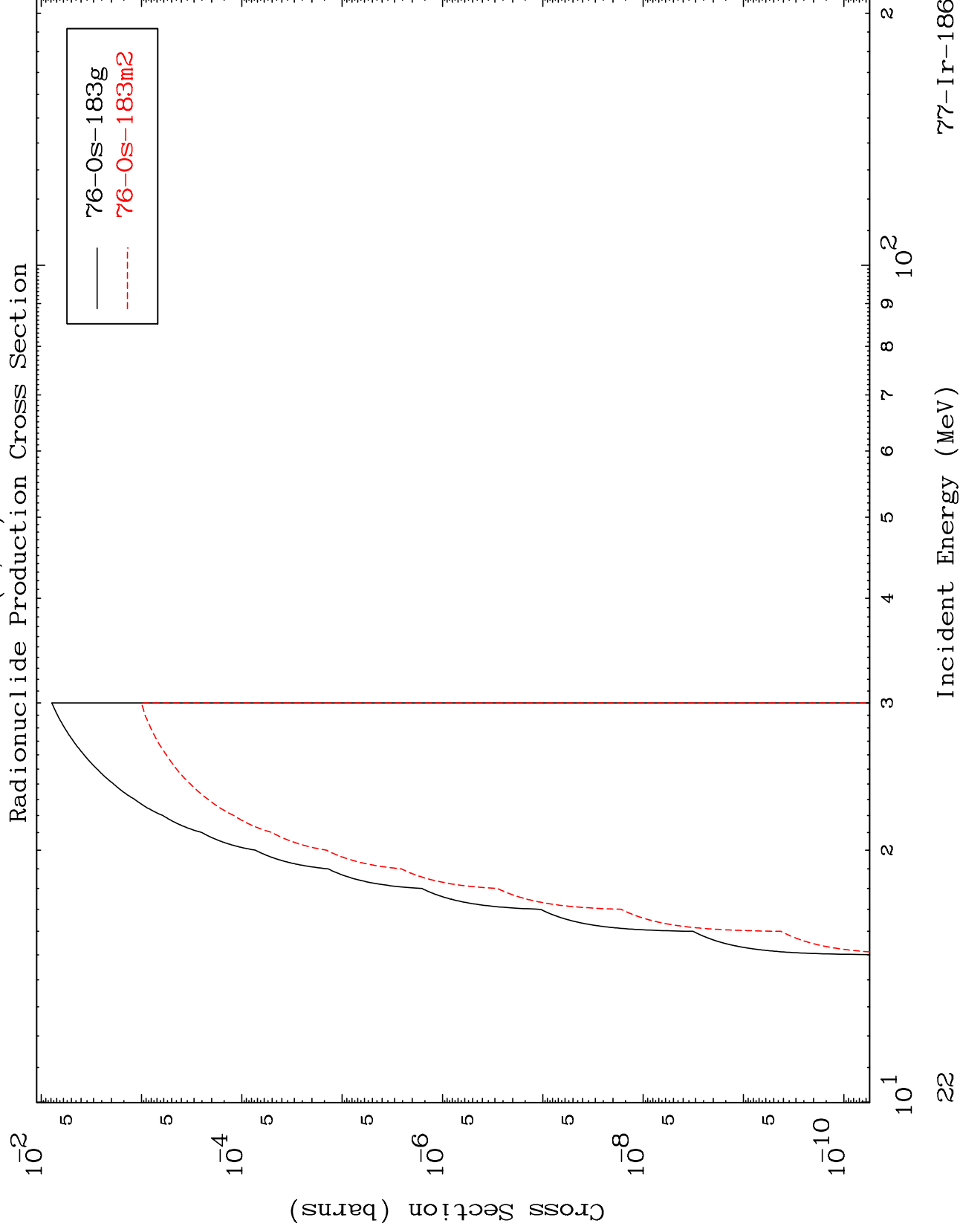
Radionuclide Production Cross Section



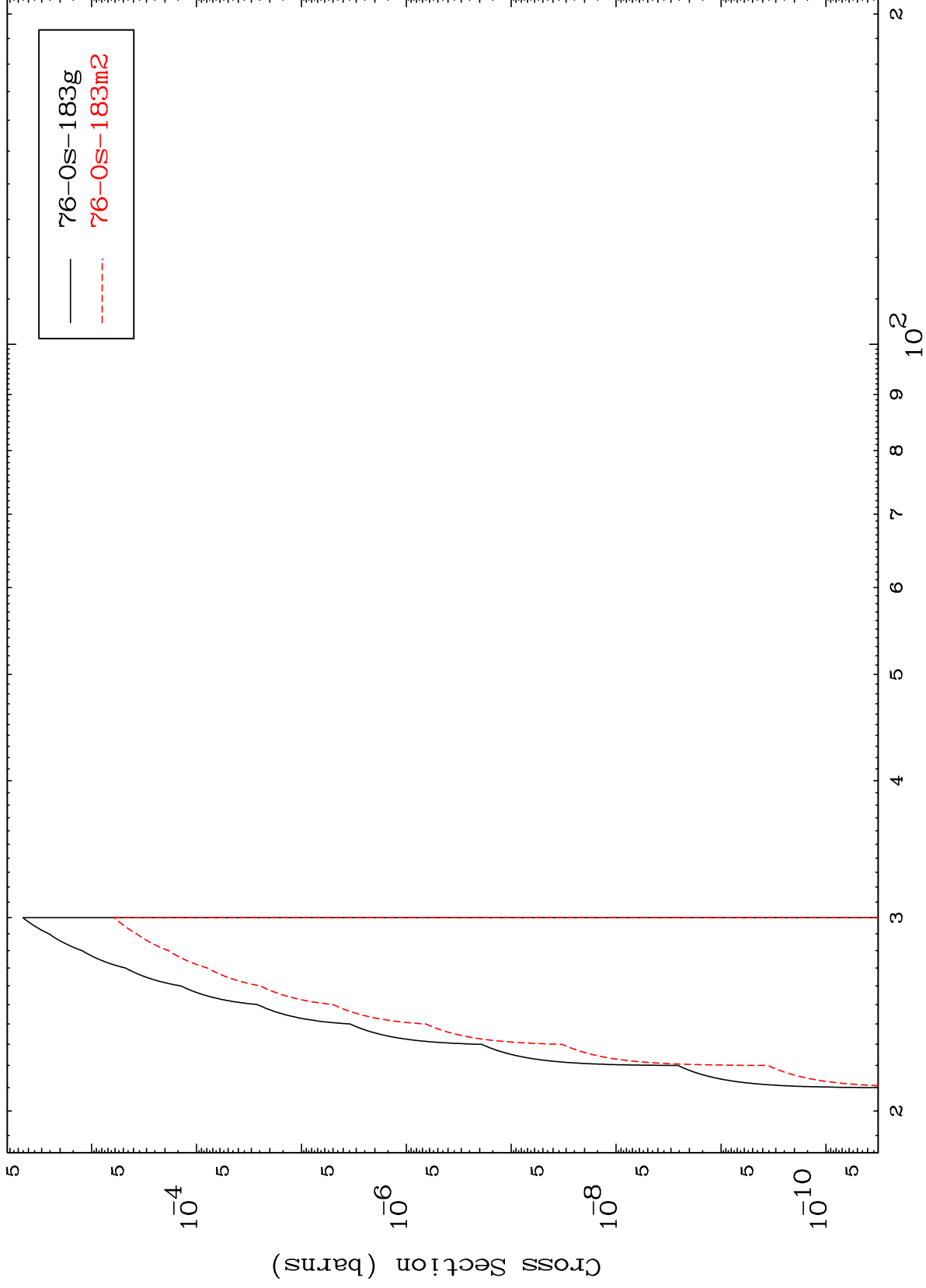
MAT 7711

(n,n') t

77-Ir-186



Radionuclide Production Cross Section



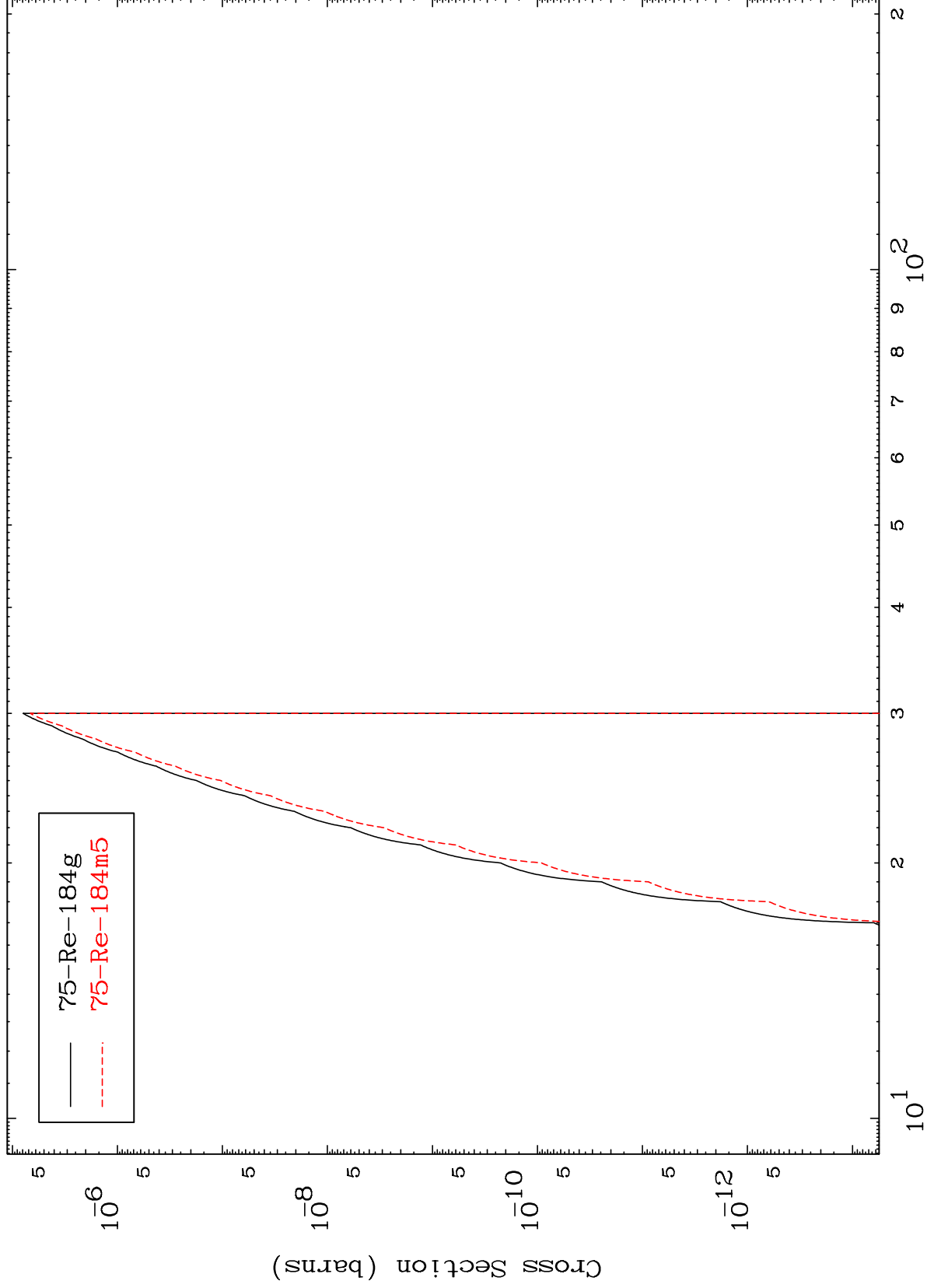


MAT 7711

(n,2n) p

<sup>77</sup>Ir-186

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>77</sup>Ir-186

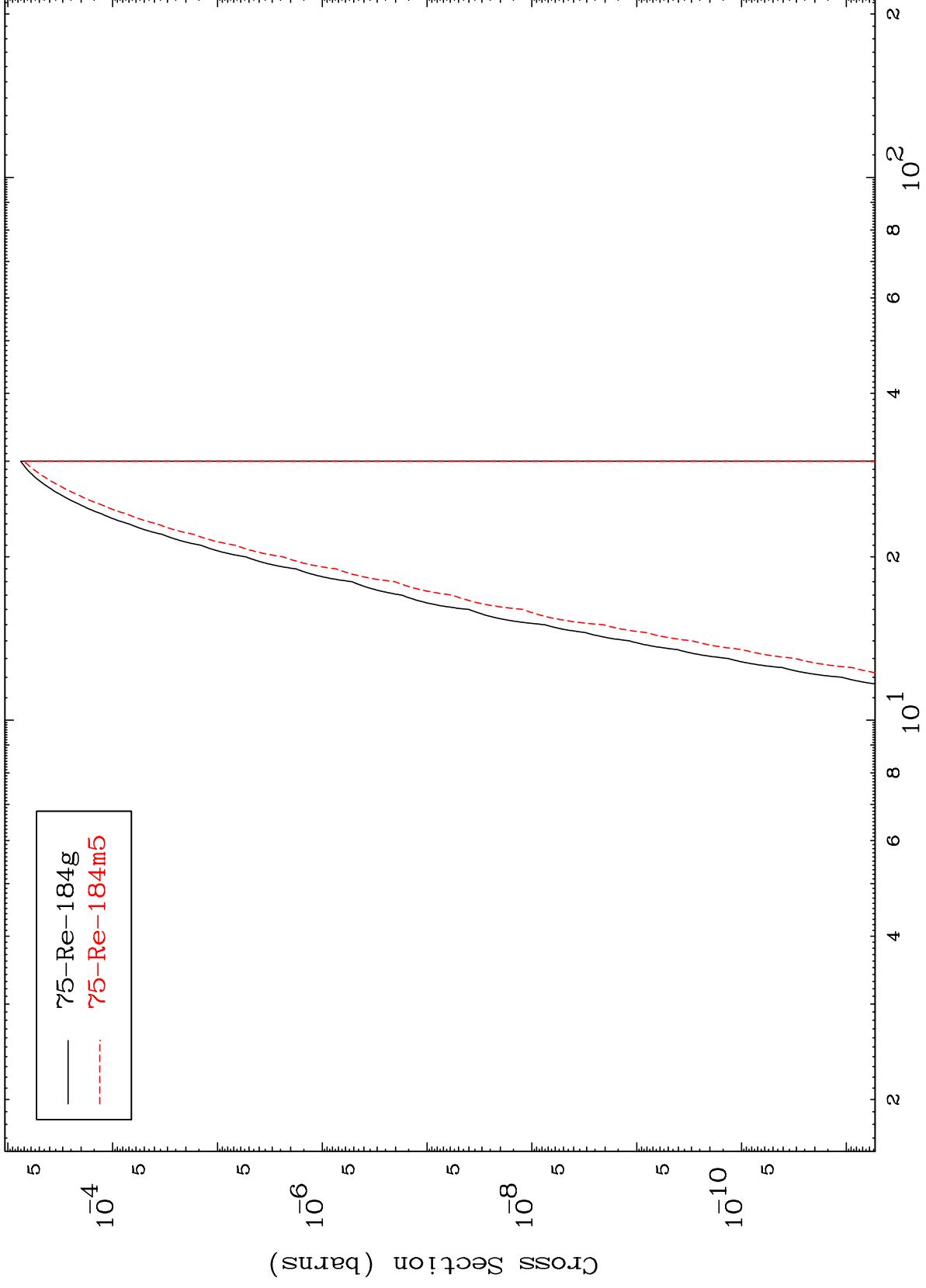
24

MAT 7711

(n,He-3)

<sup>77</sup>Ir-186

Radionuclide Production Cross Section



— 75-Re-184g  
- - - 75-Re-184m5

25

Incident Energy (MeV)

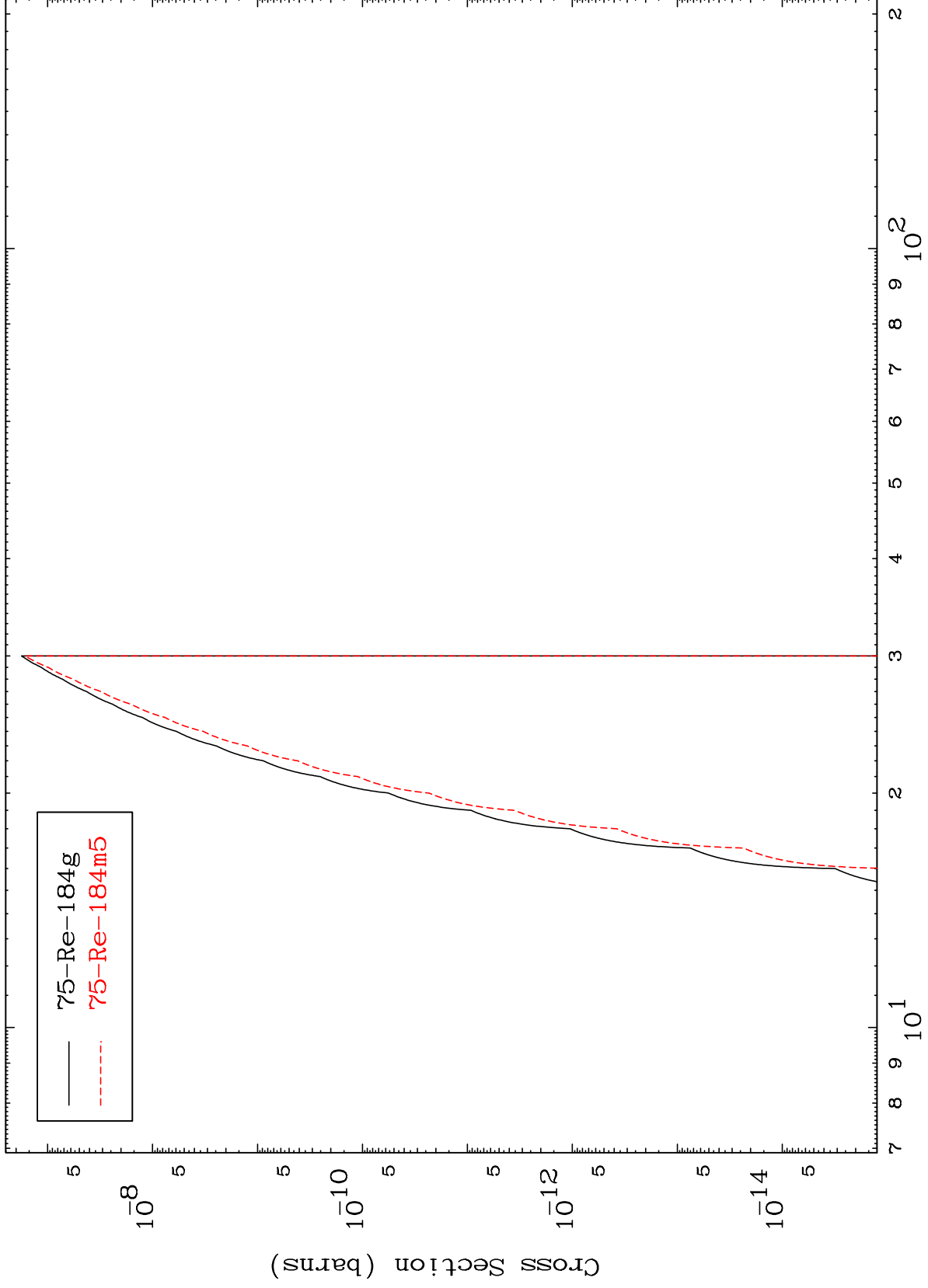
<sup>77</sup>Ir-186

MAT 7711

(n,p) d

<sup>77</sup>Ir-186

Radionuclide Production Cross Section



26

Incident Energy (MeV)

<sup>77</sup>Ir-186