

Program EVALPLOT  
(Version 2021-1)

by

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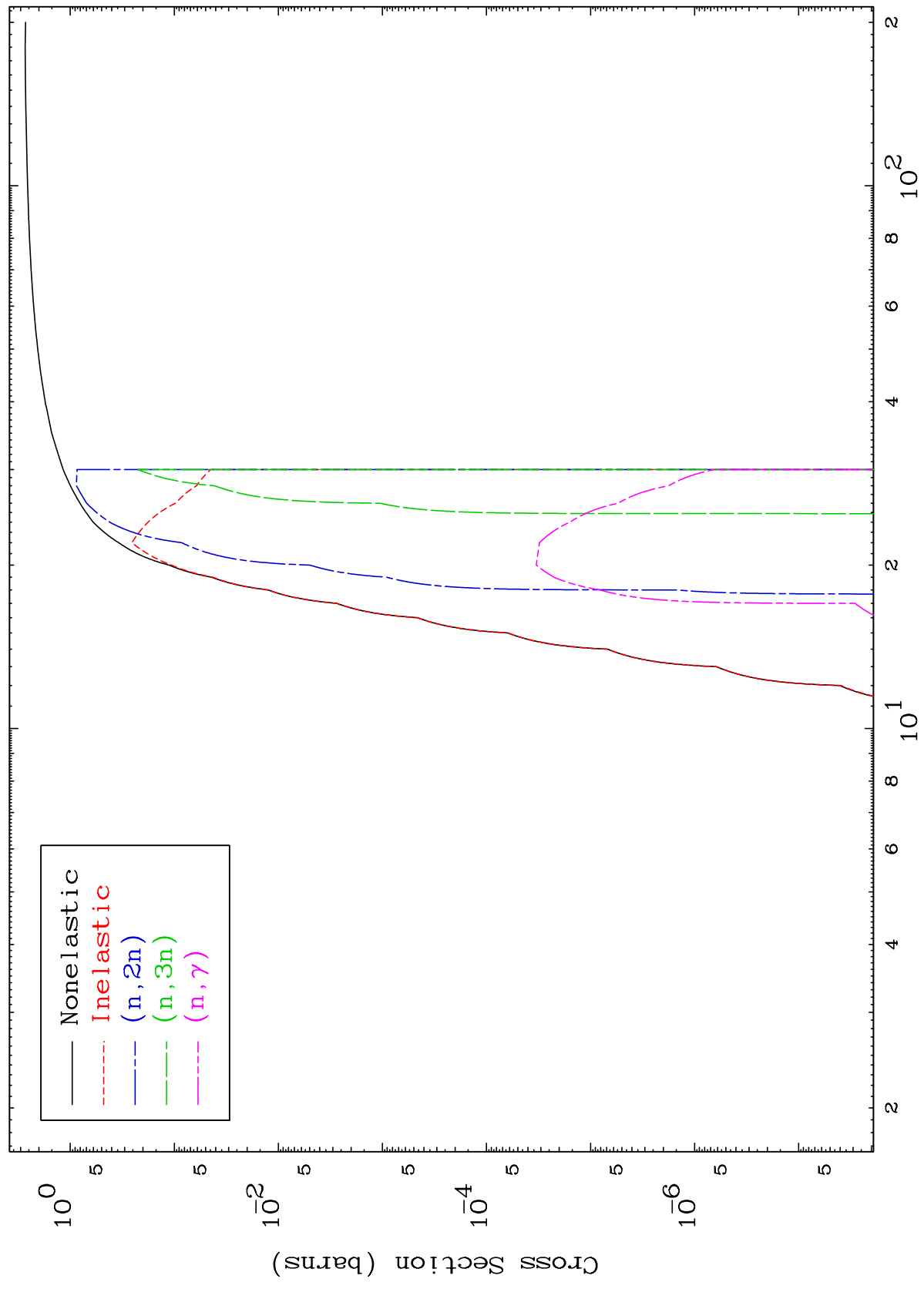
Press Mouse Button to Start

MAT 7724

0 Kelvin

Major Cross Sections

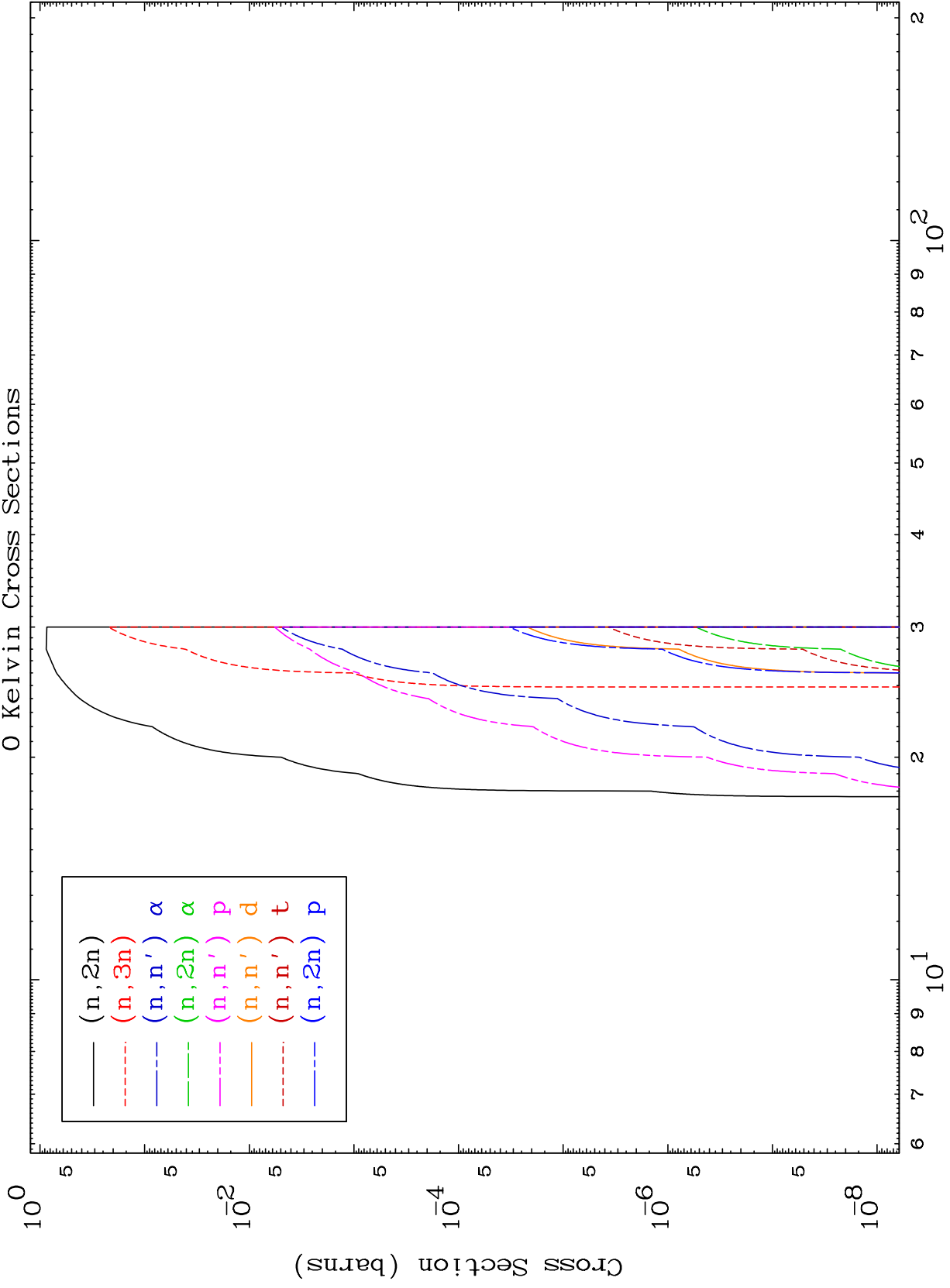
<sup>77</sup>Ir-190n



MAT 7724

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

77-Ir-190n



2

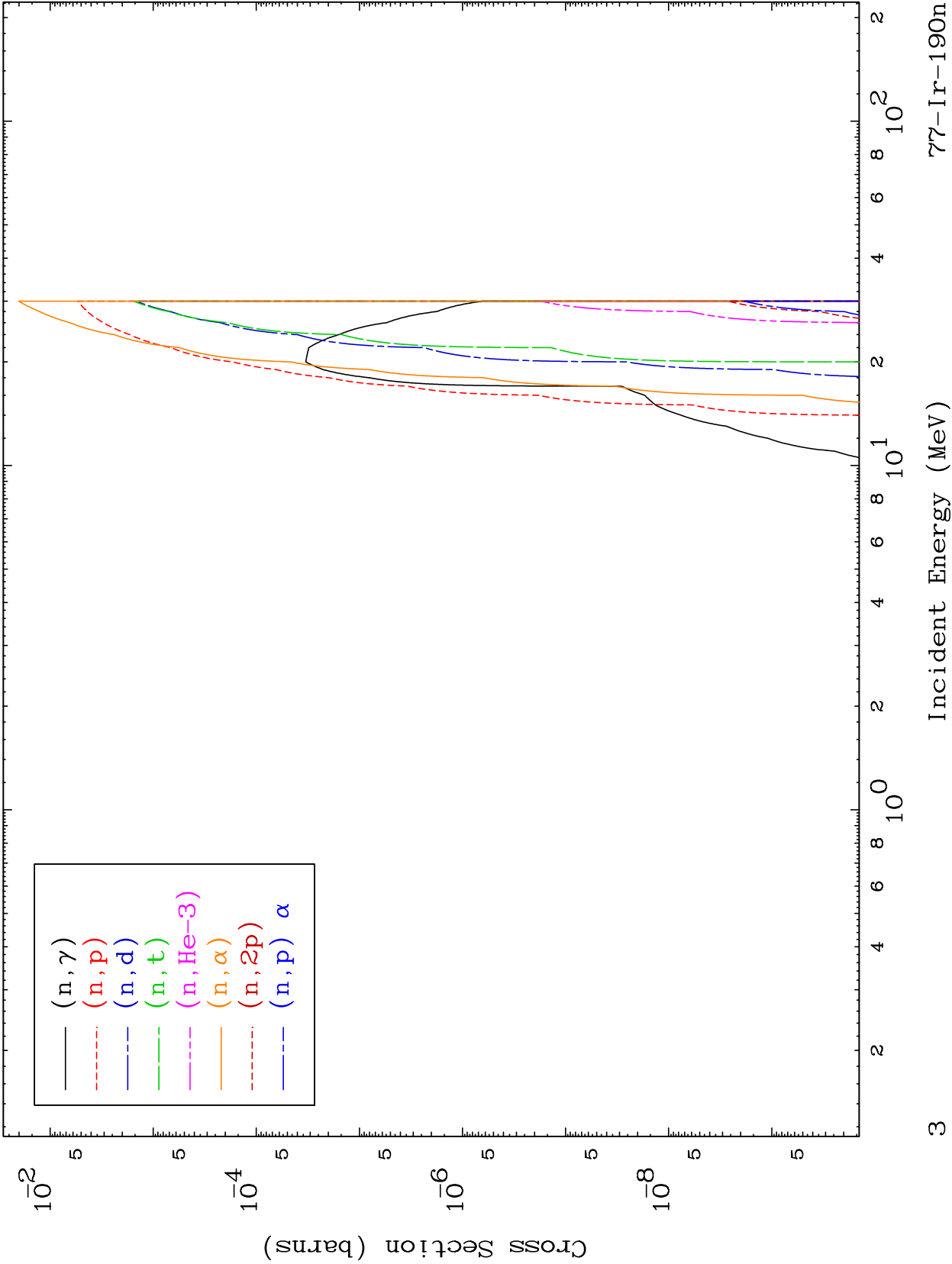
Incident Energy (MeV)

77-Ir-190n

MAT 7724

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

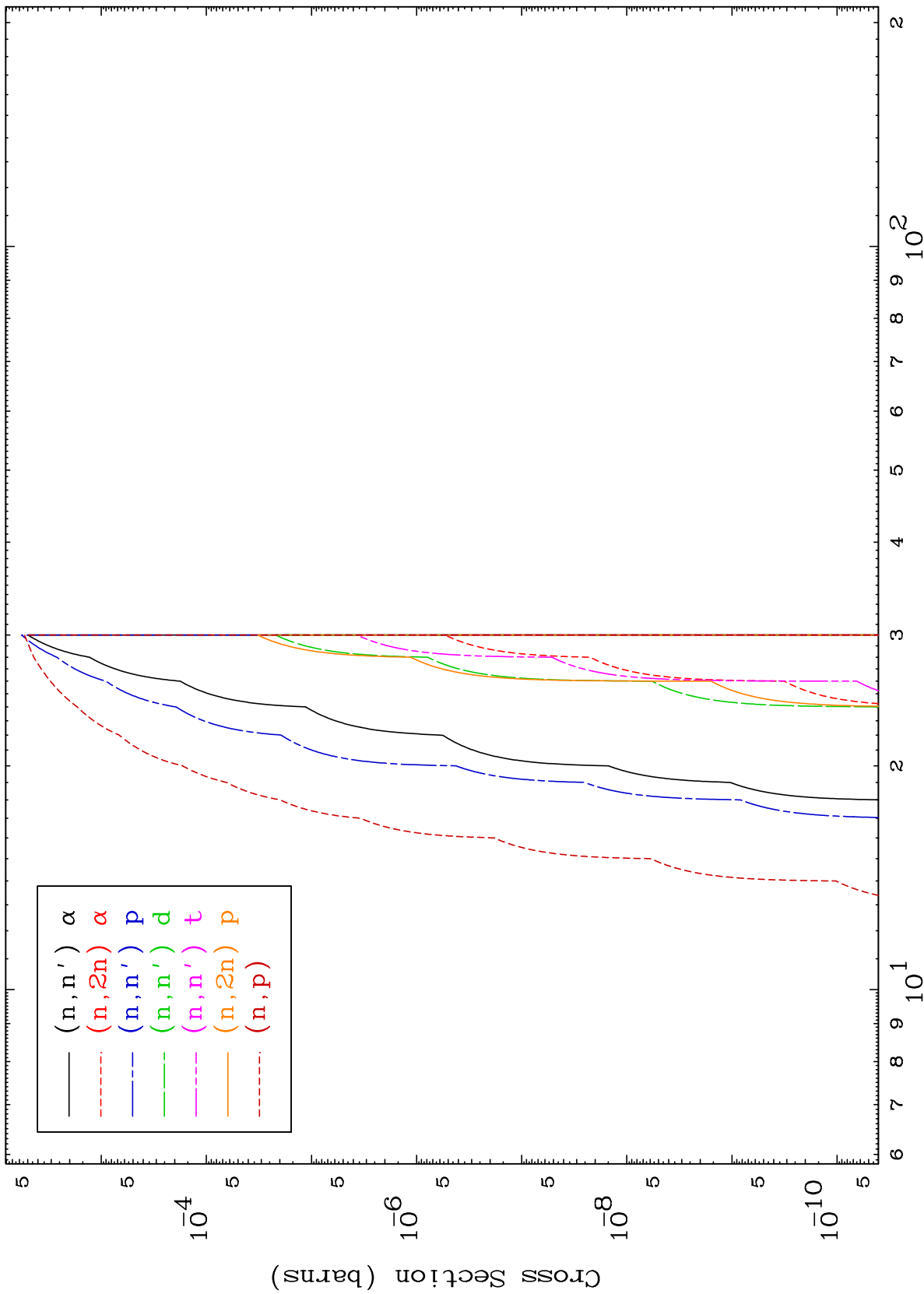
77-Ir-190n



MAT 7724

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

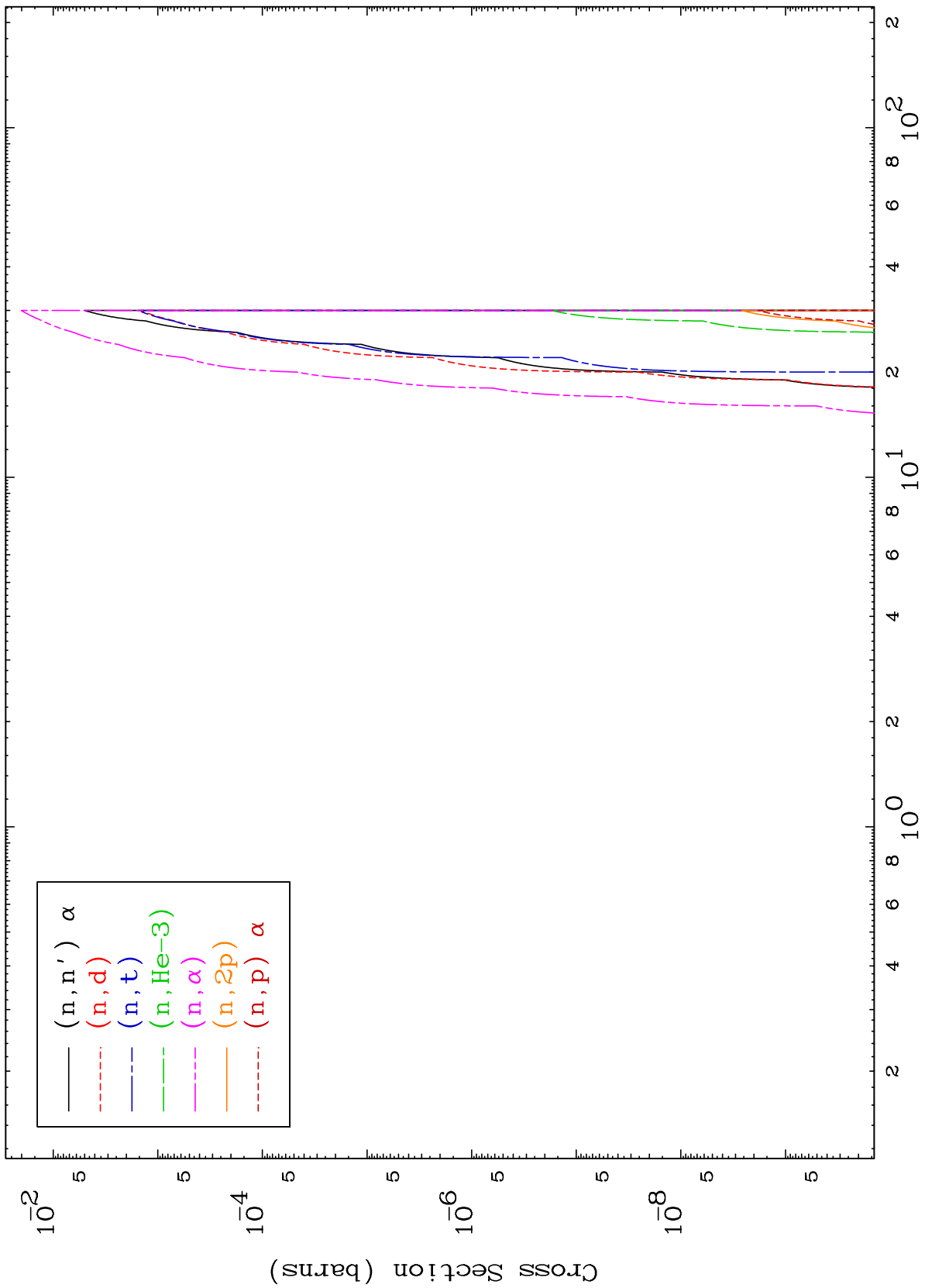
77-Ir-190n



MAT 7724

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

77-Ir-190n

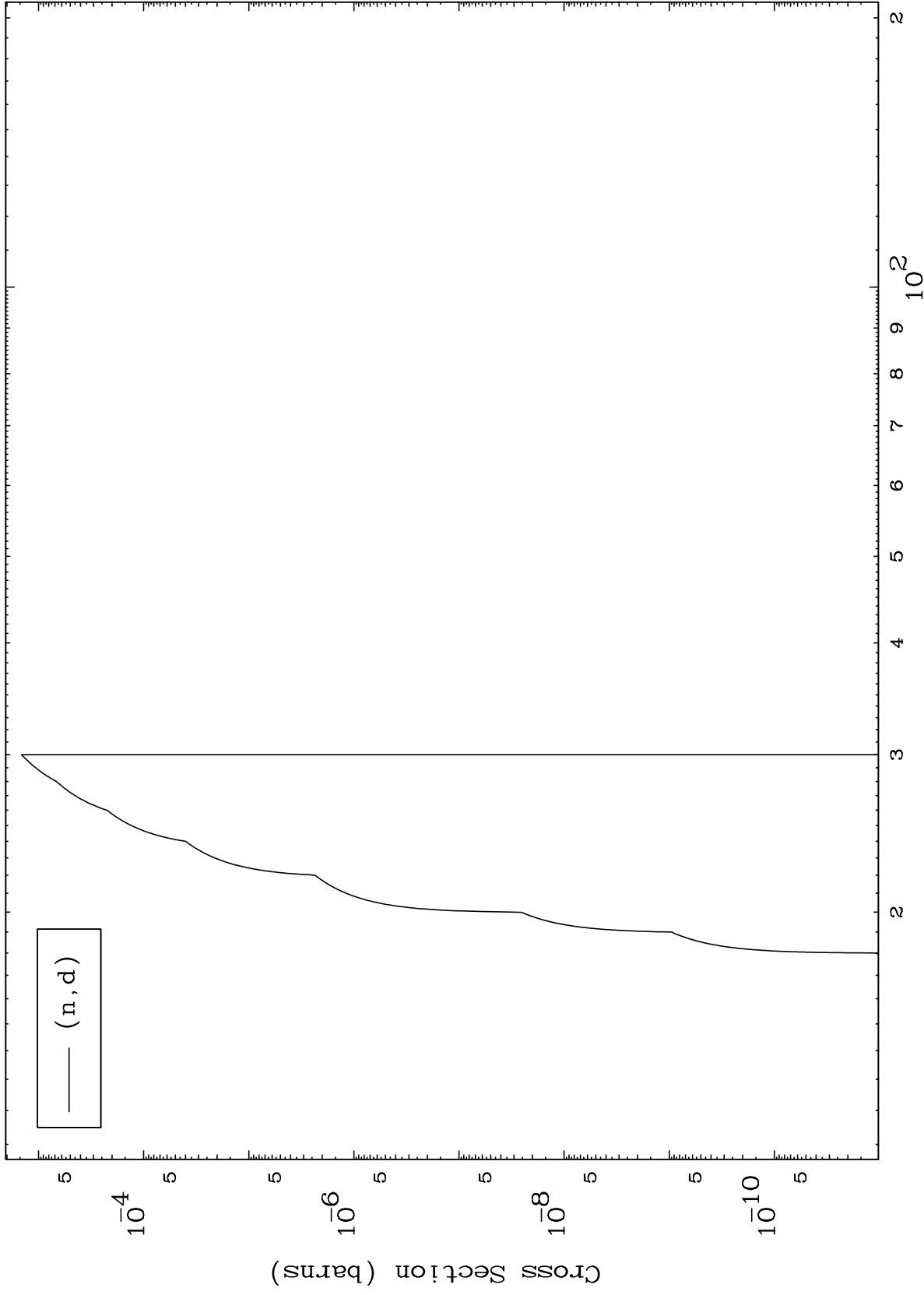




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( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

77-Ir-190n



7

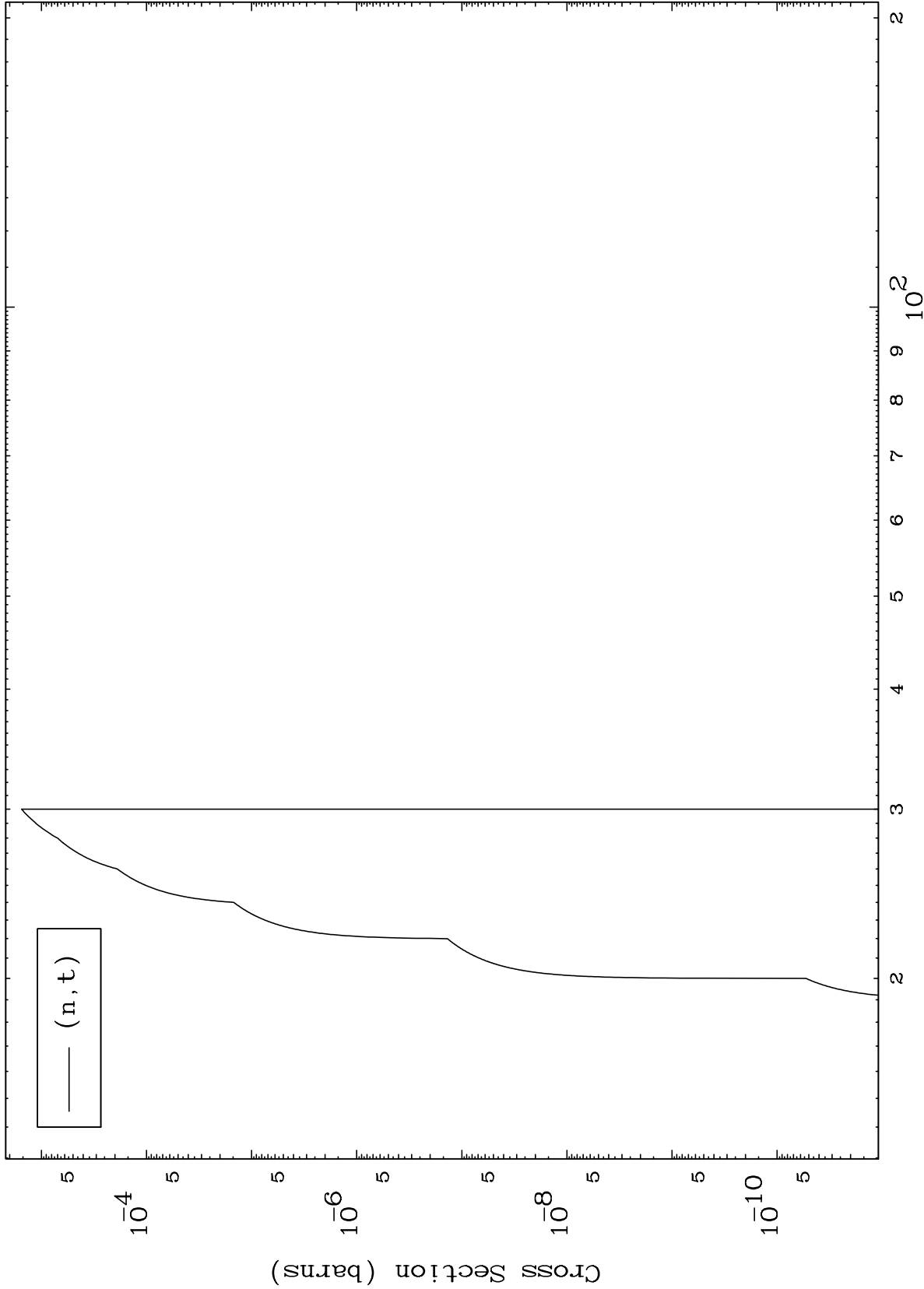
Incident Energy (MeV)

77-Ir-190n

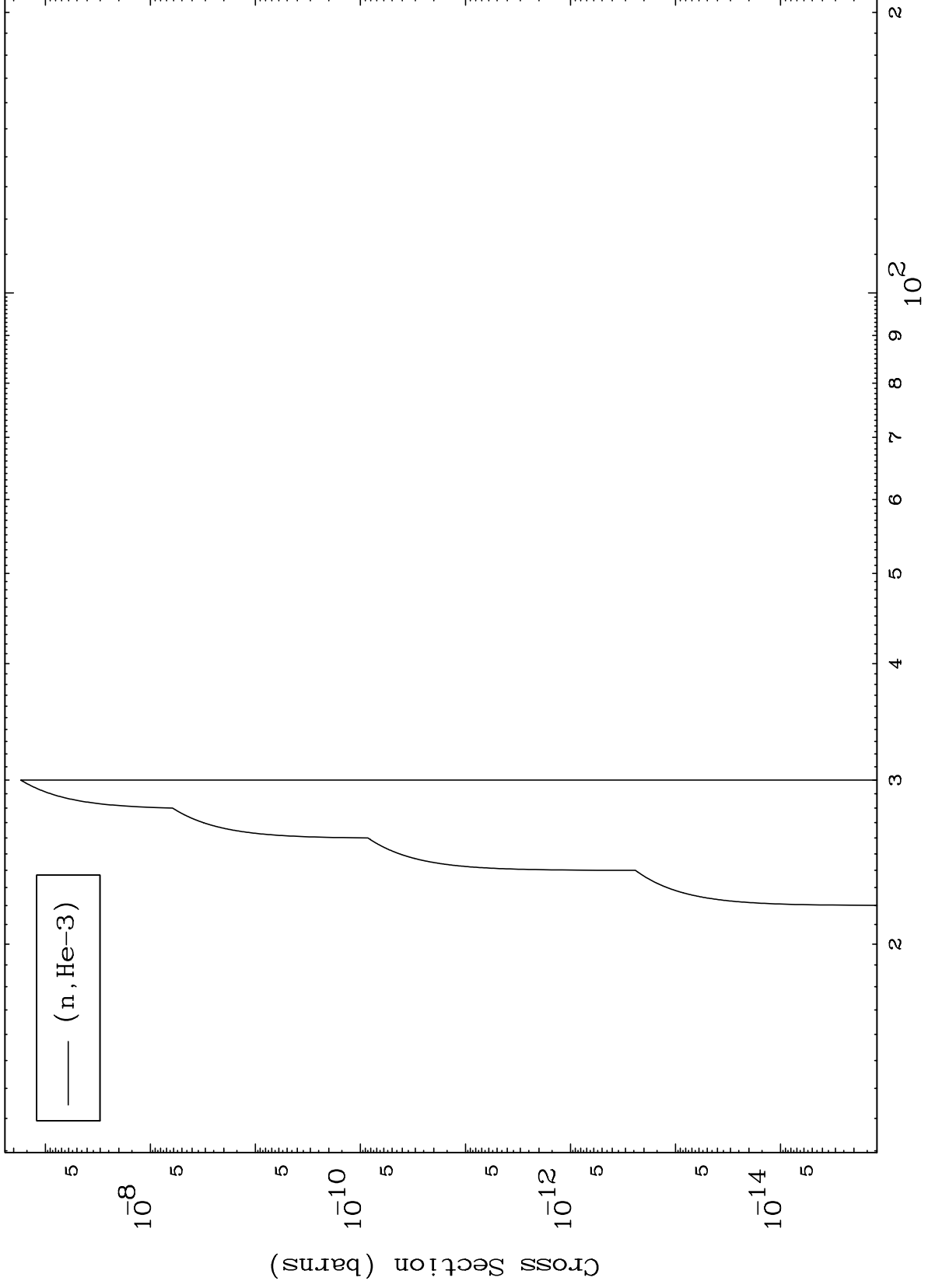
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( $\alpha, t$ ) Levels  
0 Kelvin Cross Sections

77-Ir-190n



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



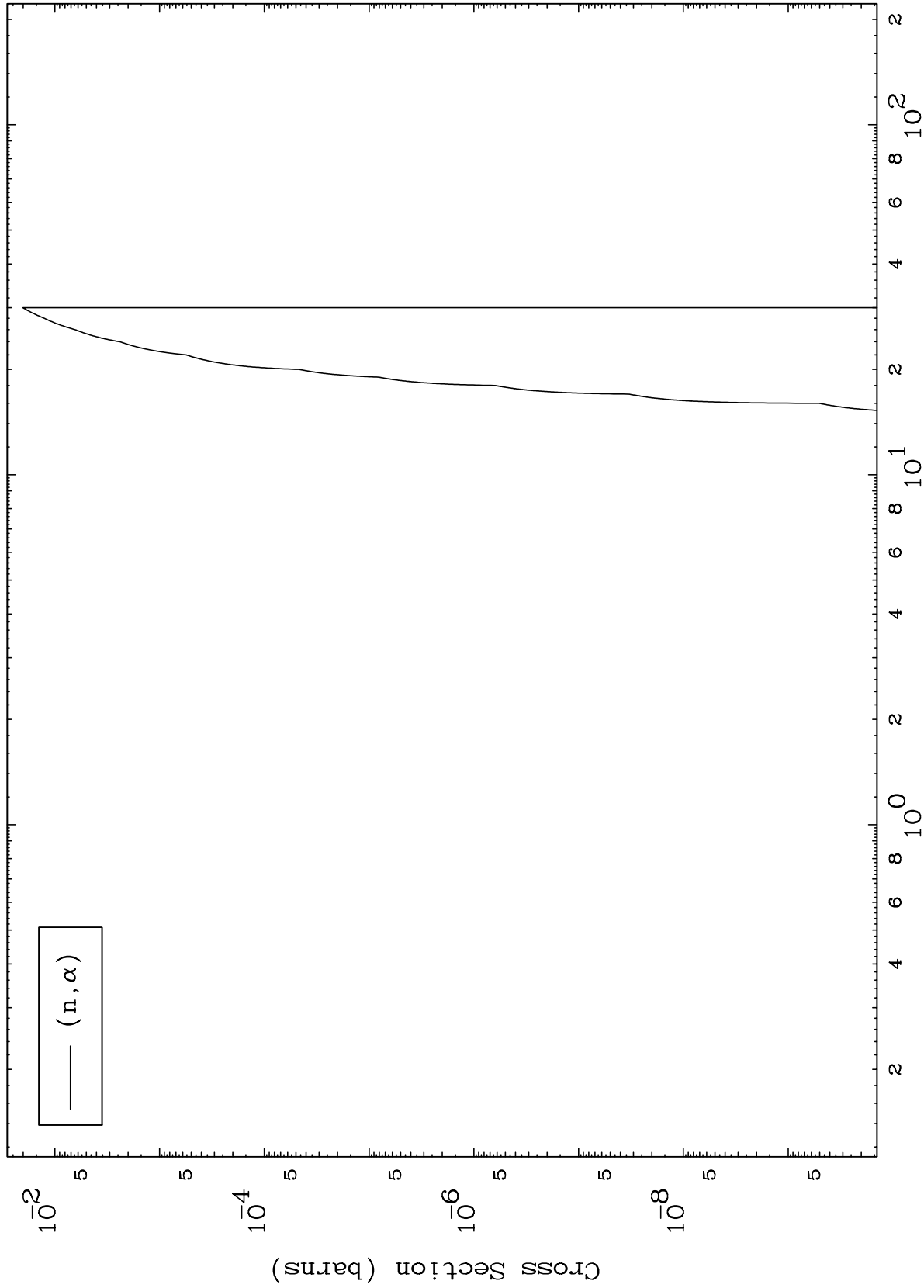
Incident Energy (MeV)

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( $\alpha, \alpha$ ) Levels

$^{77}\text{Ir-190n}$

0 Kelvin Cross Sections



10

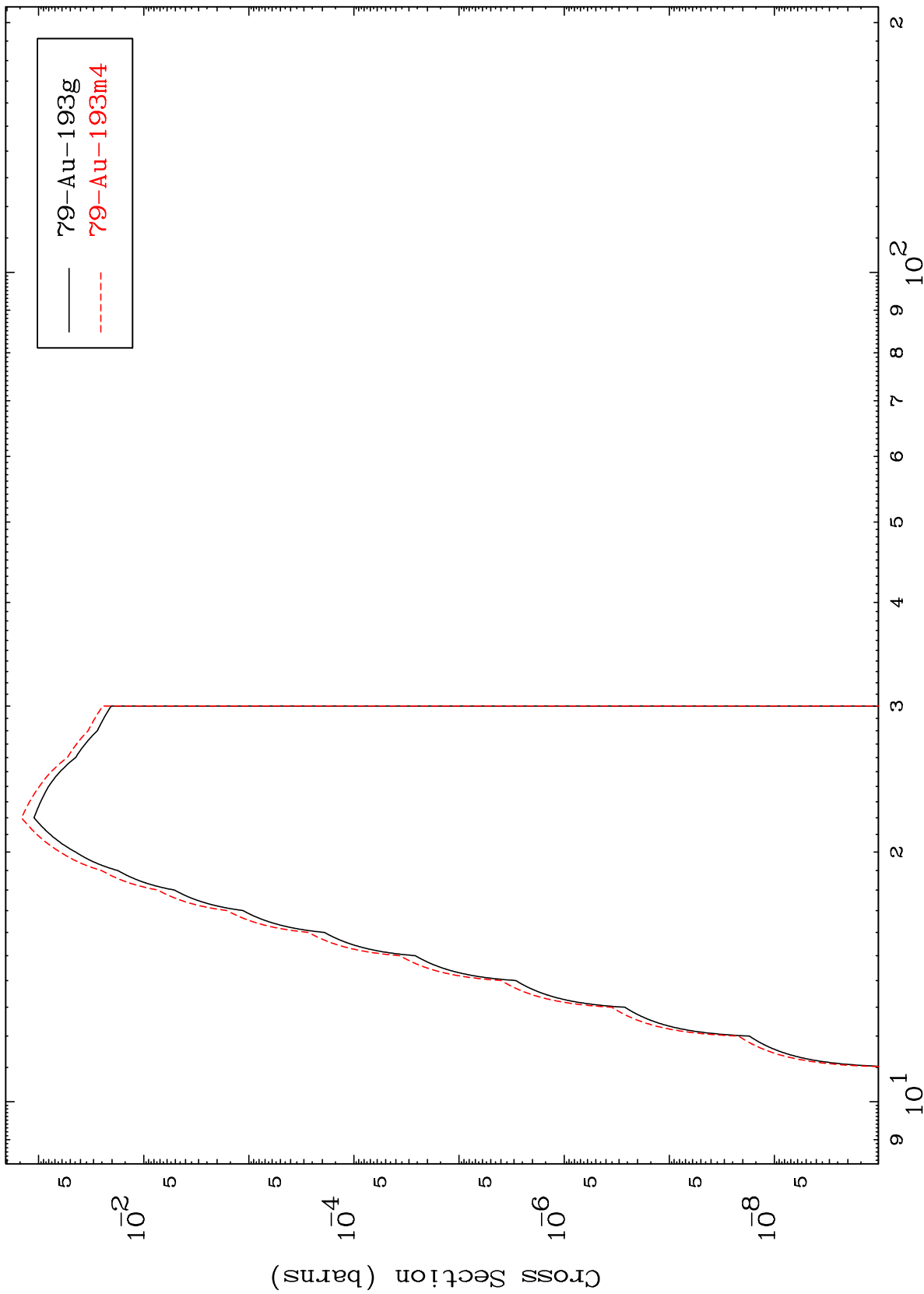
Incident Energy (MeV)

$^{77}\text{Ir-190n}$

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<sup>77</sup>Ir-190n

Inelastic  
Radionuclide Production Cross Section



<sup>77</sup>Ir-190n

Incident Energy (MeV)

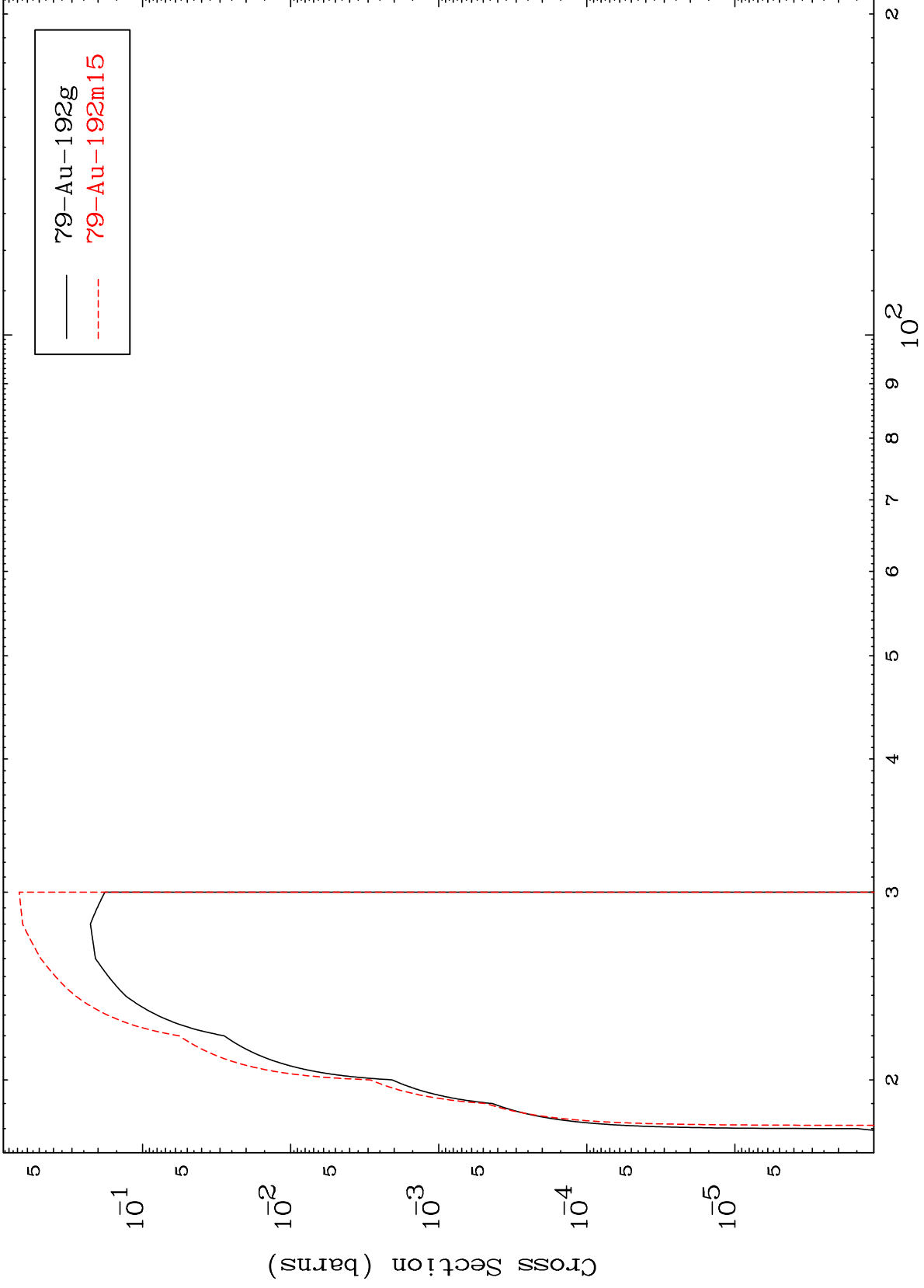
11

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(n,2n)

<sup>77</sup>Ir-190n

Radionuclide Production Cross Section



12

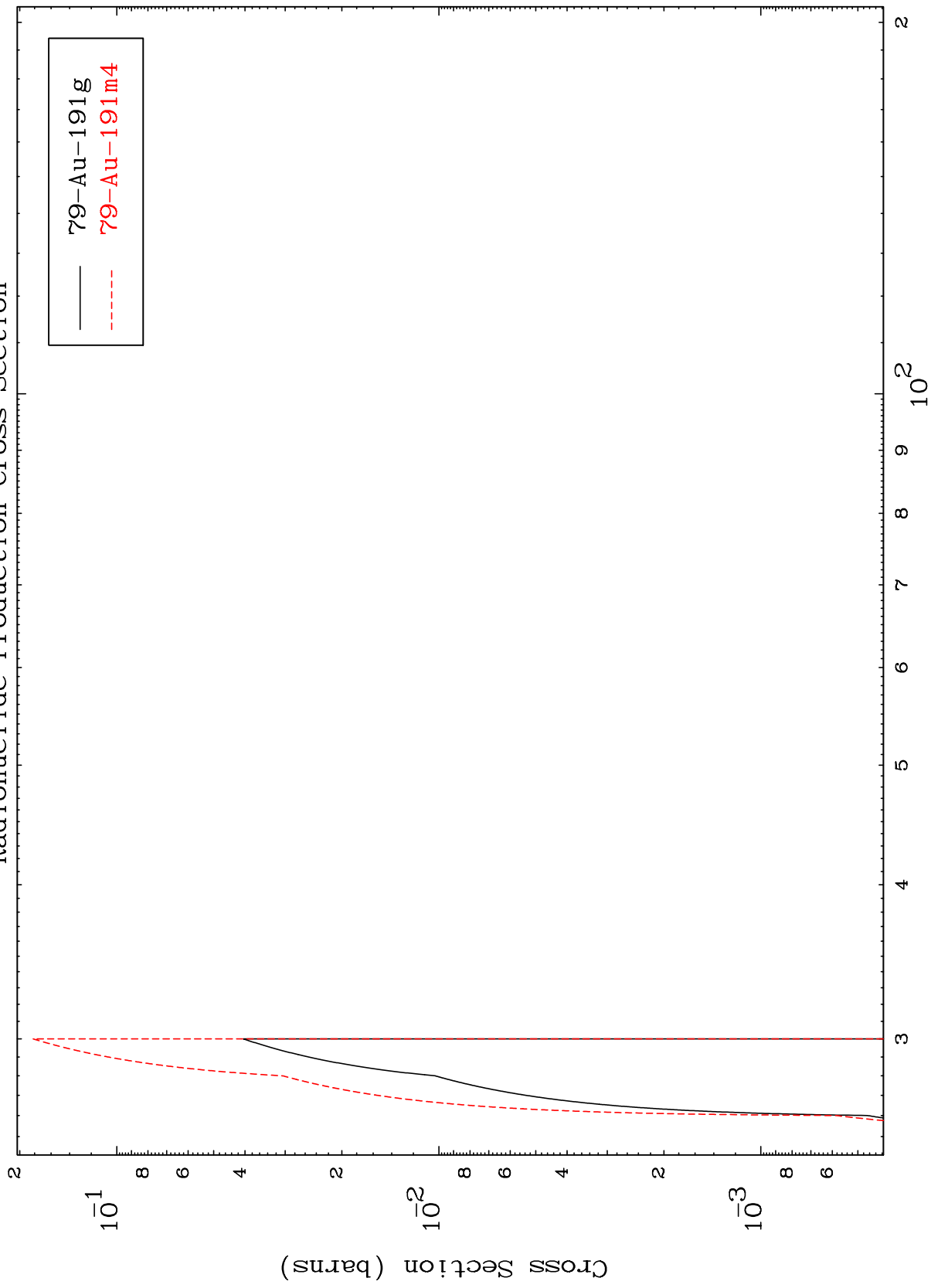
Incident Energy (MeV)

<sup>77</sup>Ir-190n

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<sup>77</sup>Ir-190n

(n,3n)  
Radionuclide Production Cross Section



<sup>77</sup>Ir-190n

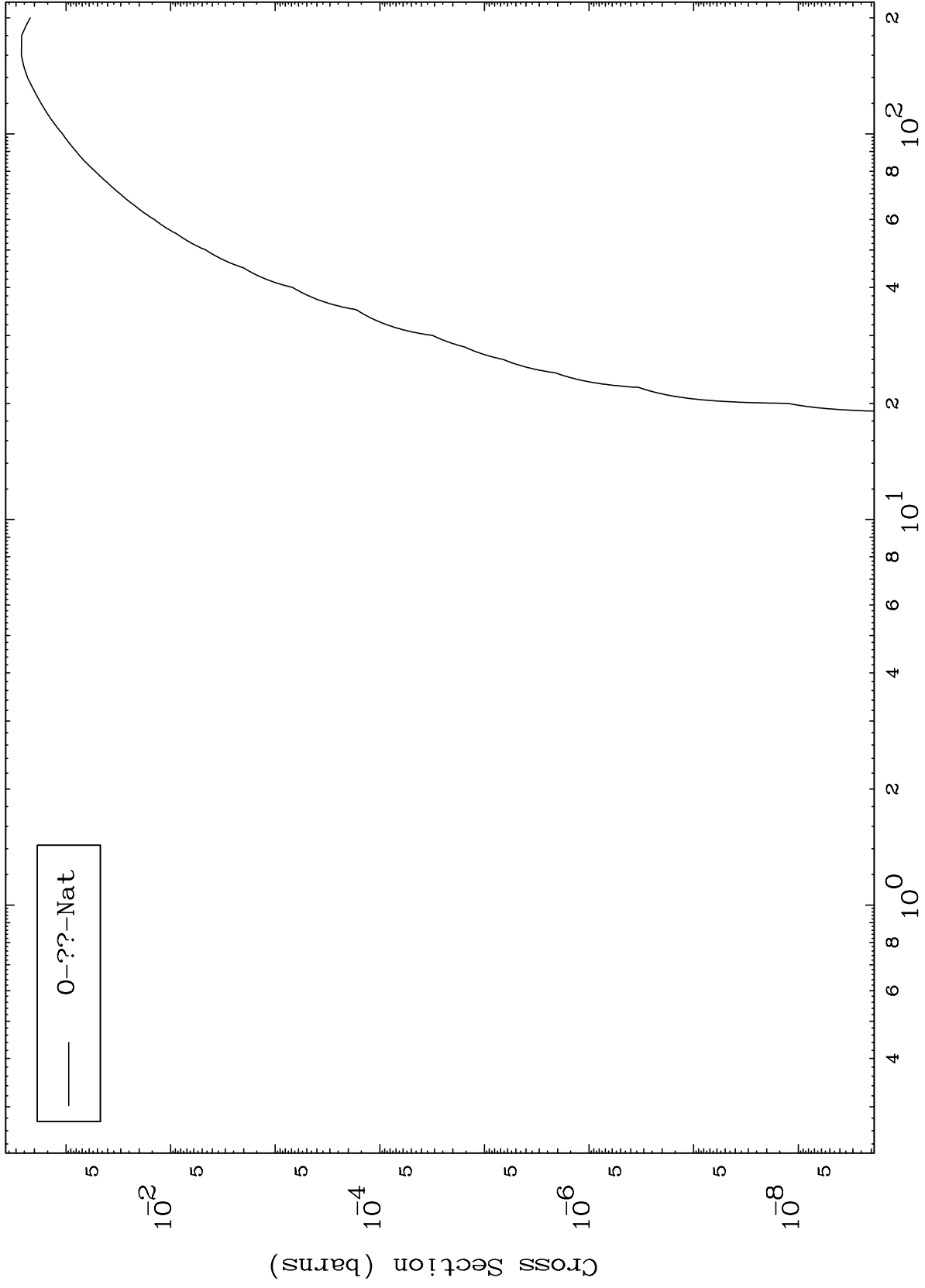
Incident Energy (MeV)

13

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Fission  
Radionuclide Production Cross Section

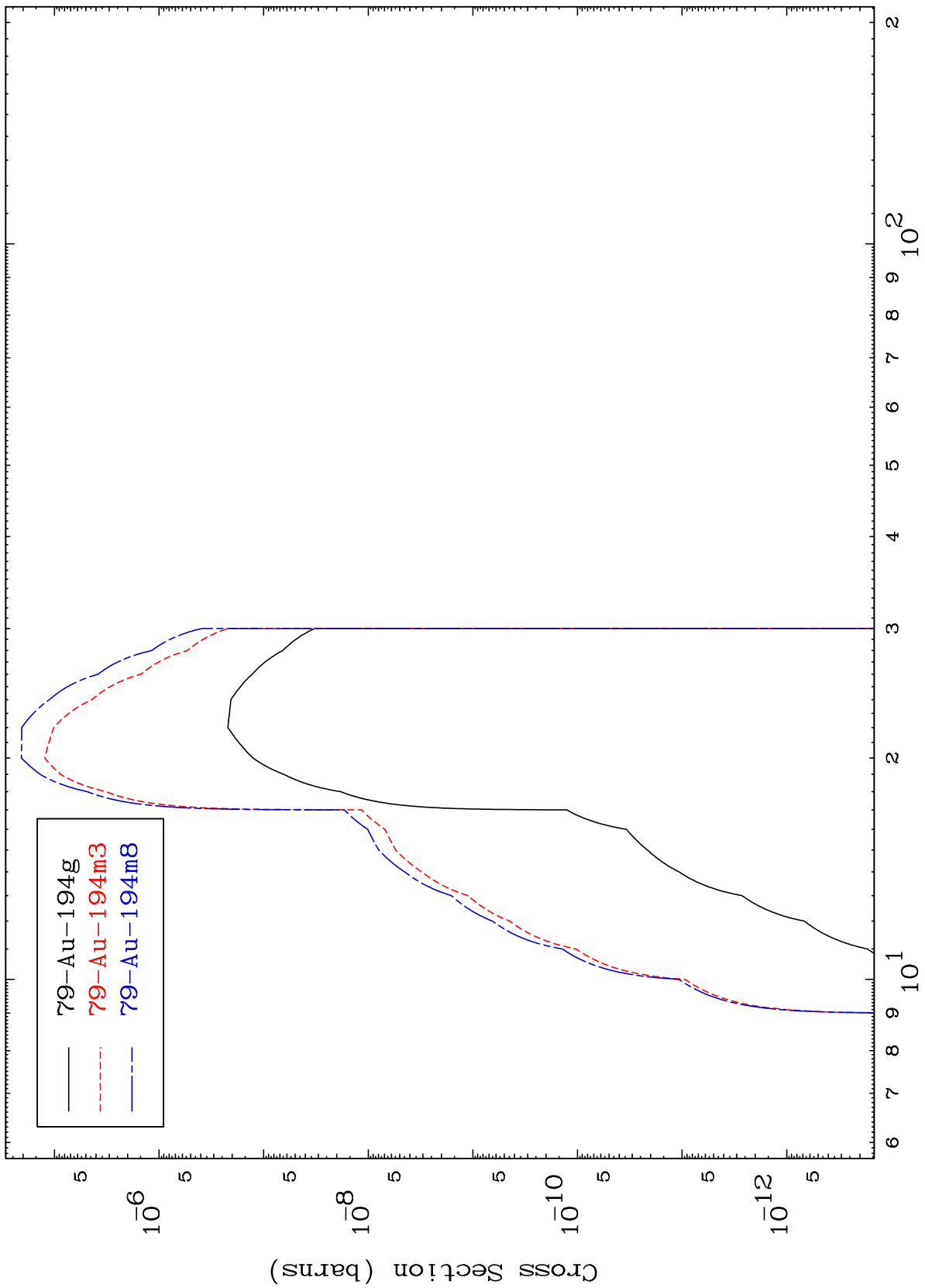
<sup>77</sup>Ir-190n



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<sup>77</sup>Ir-190n

Radionuclide Production Cross Section (n,γ)



<sup>77</sup>Ir-190n

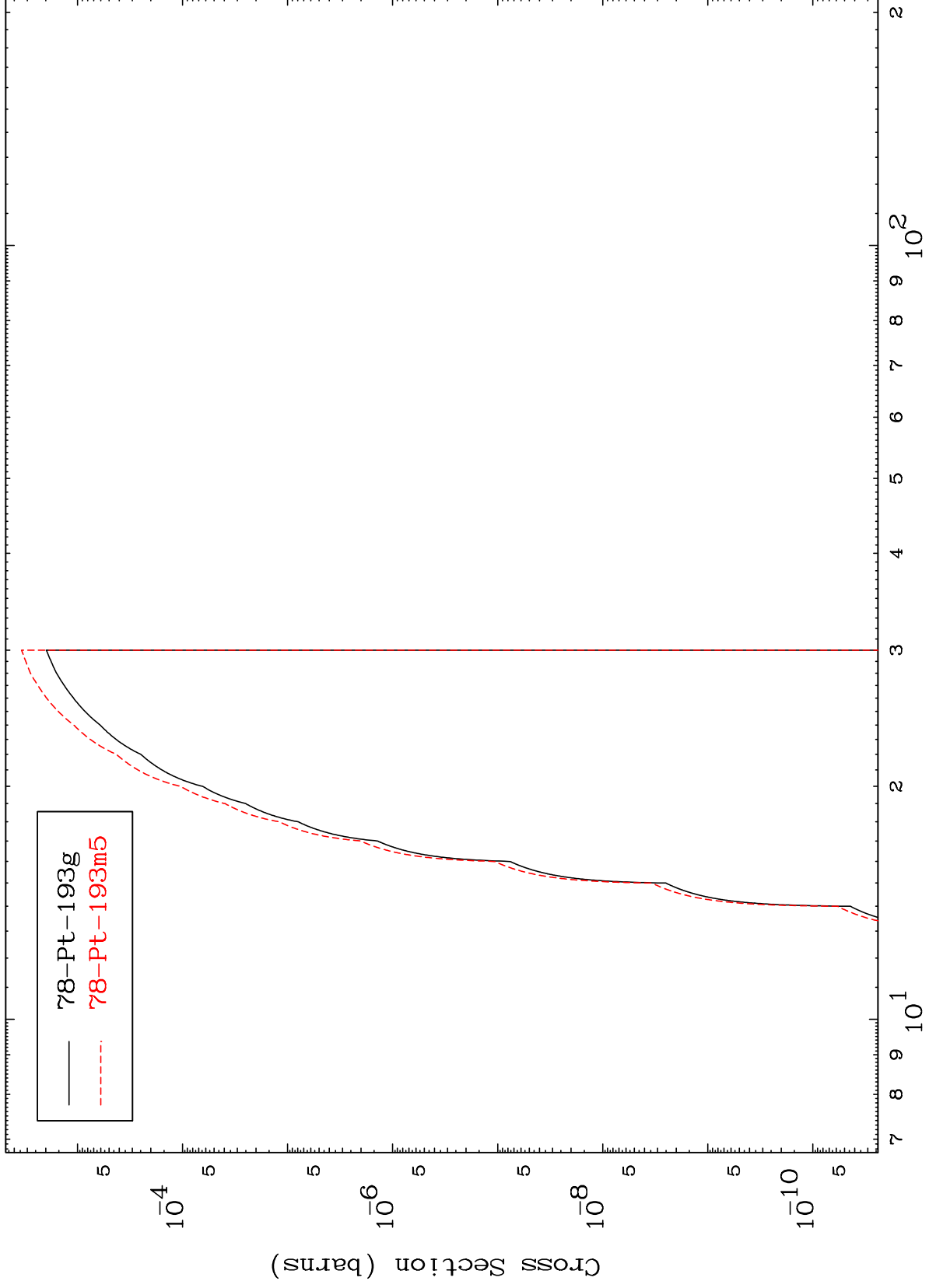
Incident Energy (MeV)

15

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<sup>77</sup>Ir-190n

Radionuclide Production Cross Section (n,p)



16

Incident Energy (MeV)

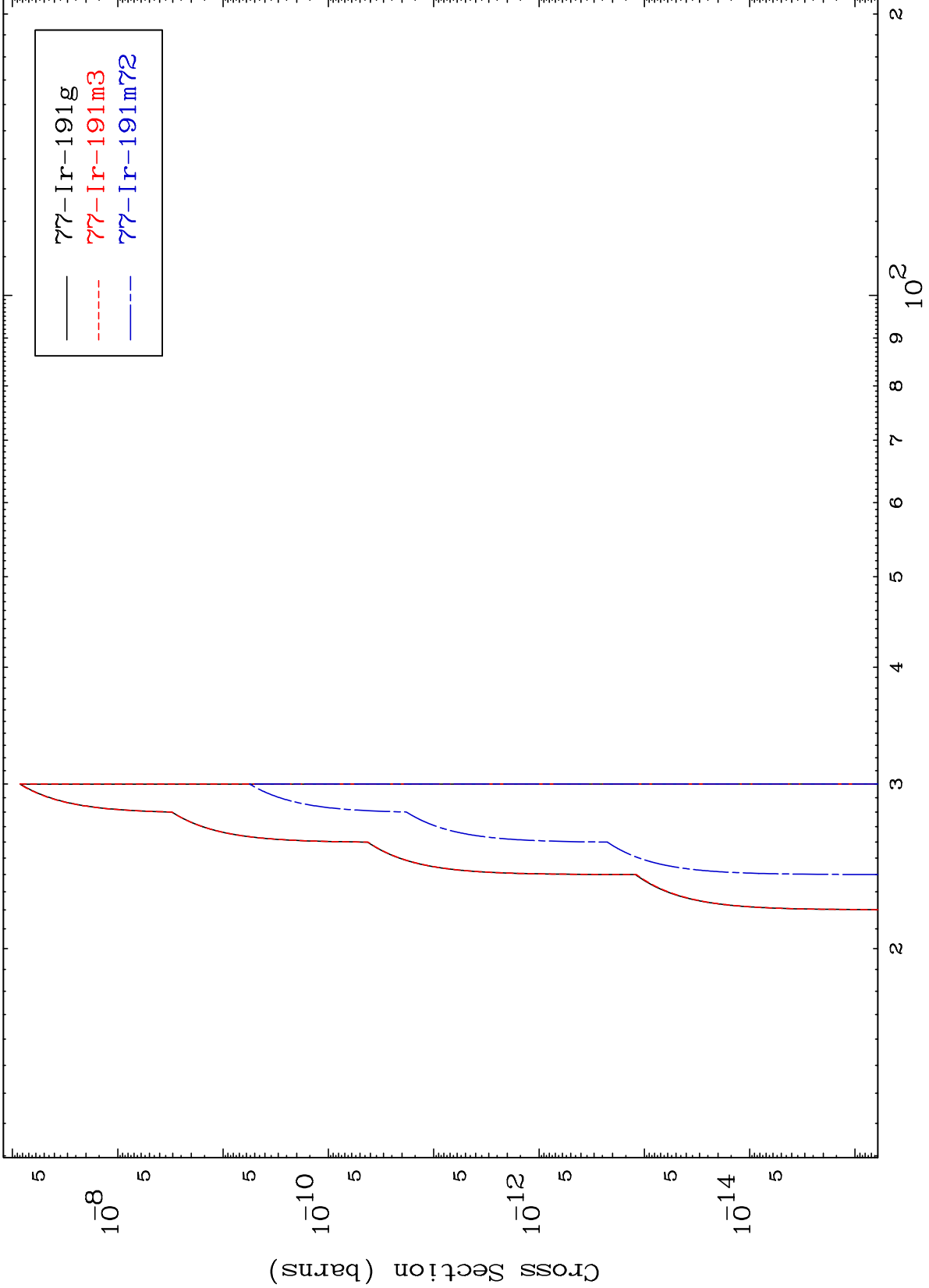
<sup>77</sup>Ir-190n

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(n,He-3)

77-Ir-190n

Radionuclide Production Cross Section

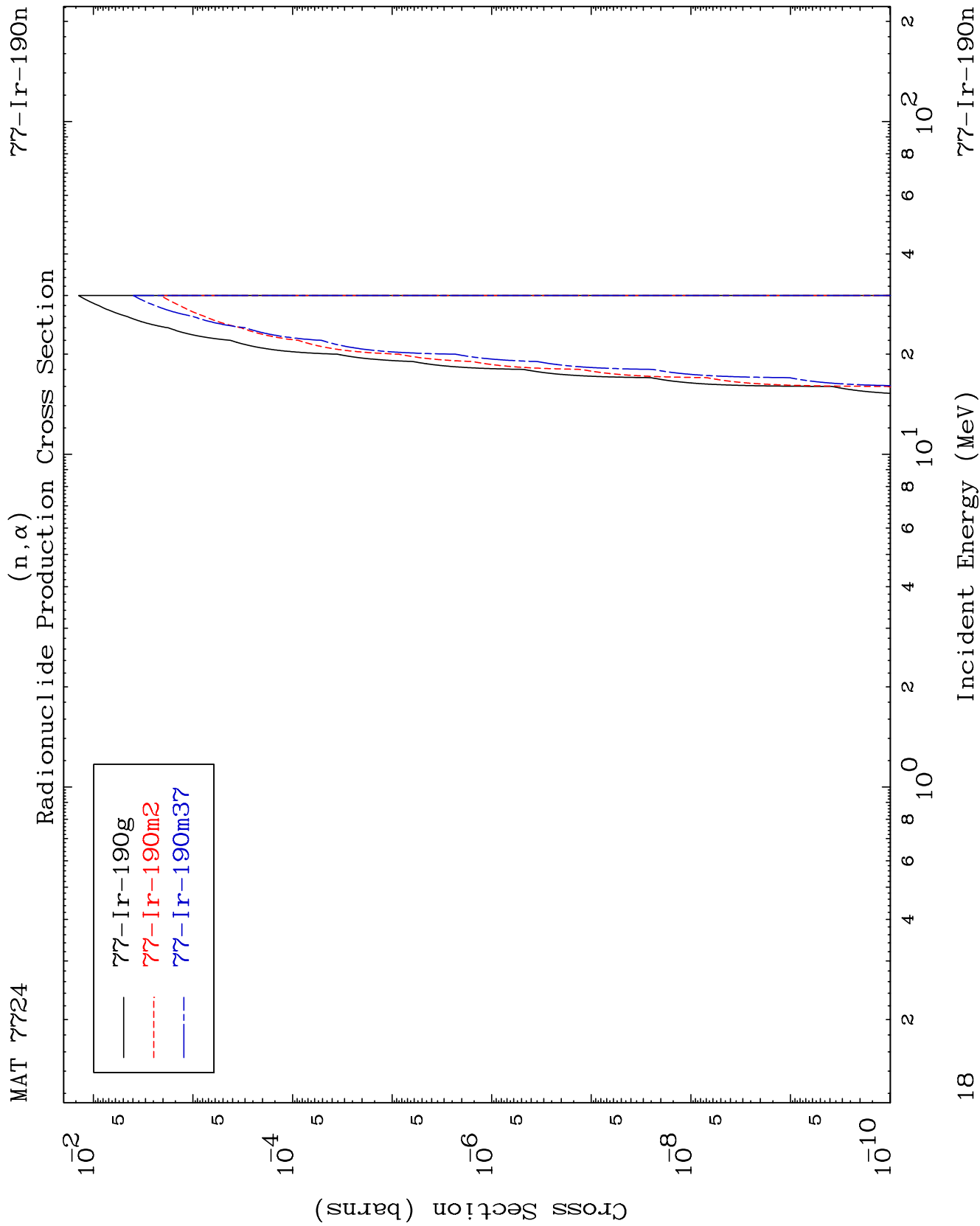


17

Incident Energy (MeV)

77-Ir-190n

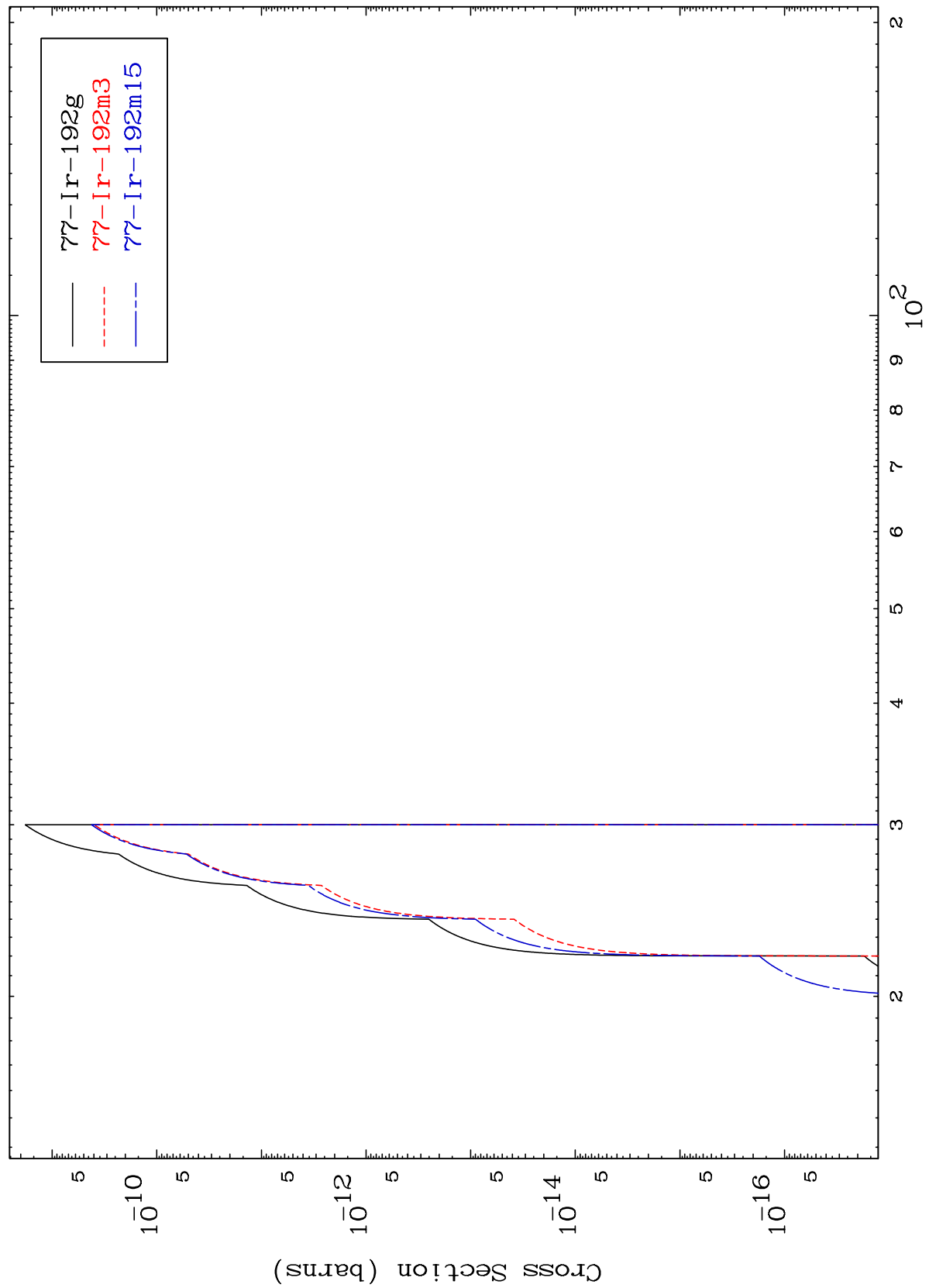
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MAT 7724

<sup>77</sup>Ir-190n

(n,2p)  
Radionuclide Production Cross Section

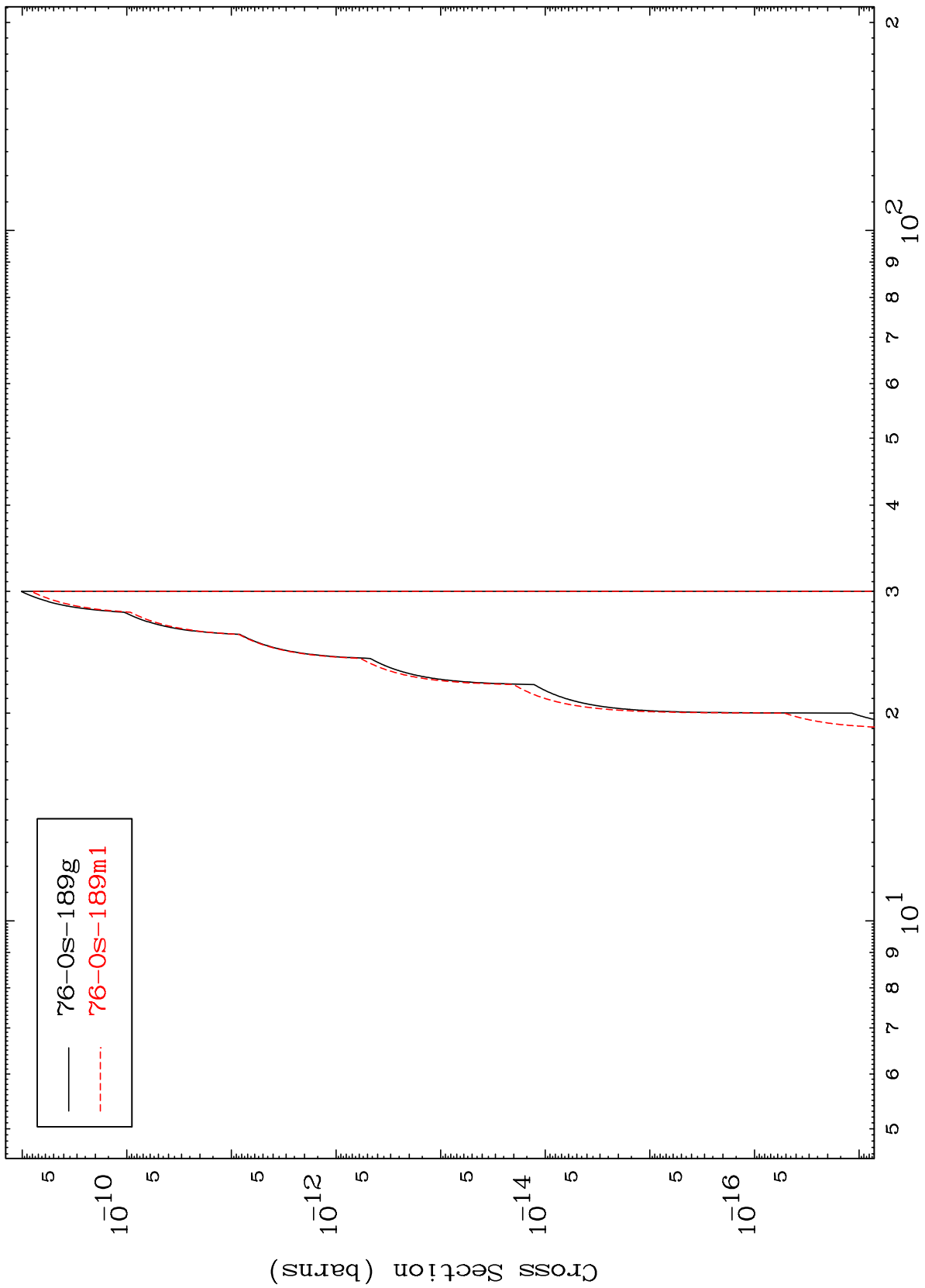


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(n,p)  $\alpha$

$^{77}\text{Ir}-190\text{n}$

Radionuclide Production Cross Section



— 76-Os-189g  
- - - 76-Os-189m1

20

Incident Energy (MeV)

$^{77}\text{Ir}-190\text{n}$