

Program EVALPLOT  
(Version 2021-1)

by

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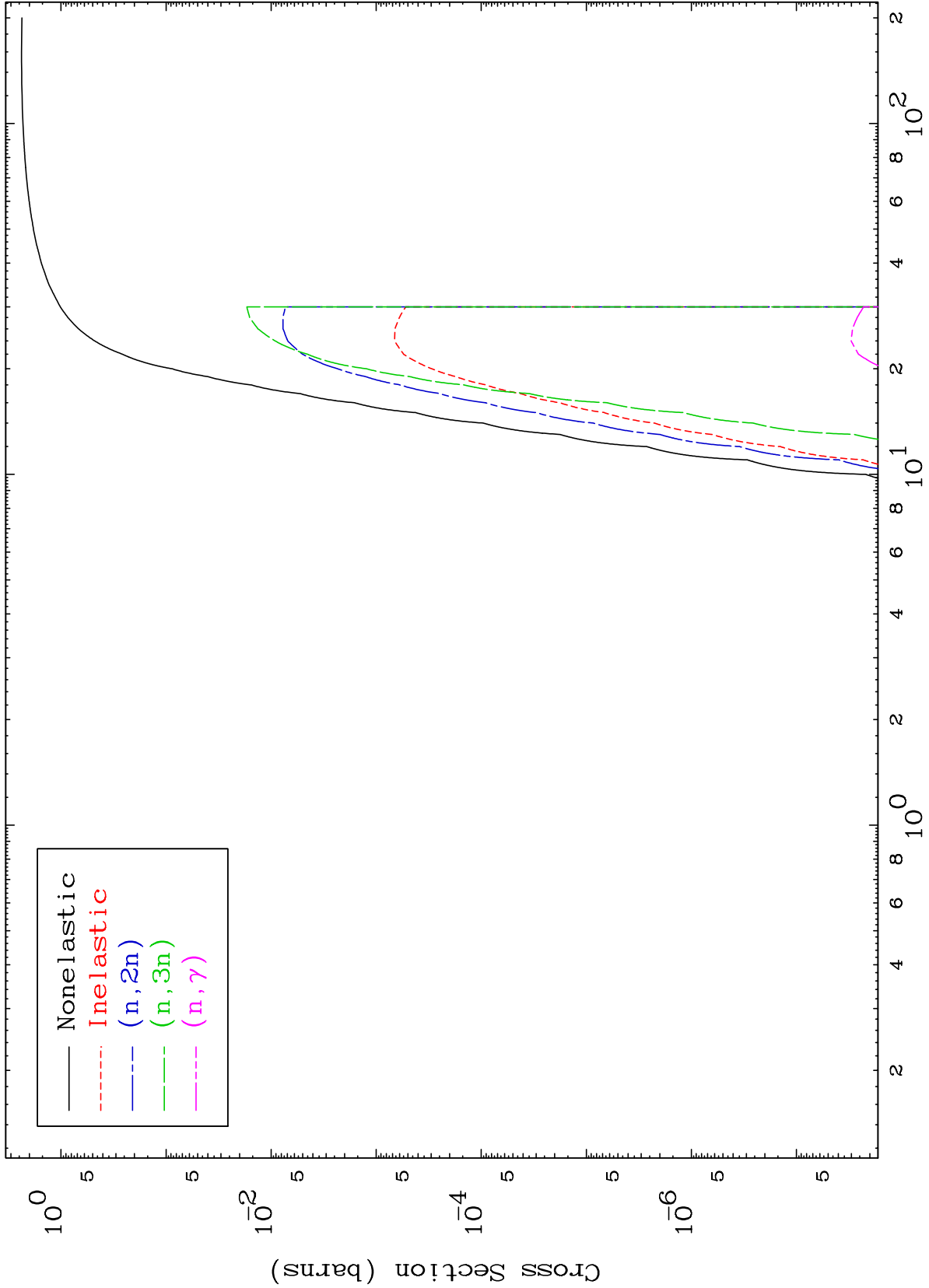
Press Mouse Button to Start

MAT 7730

He-3 Major

77-Ir-192n

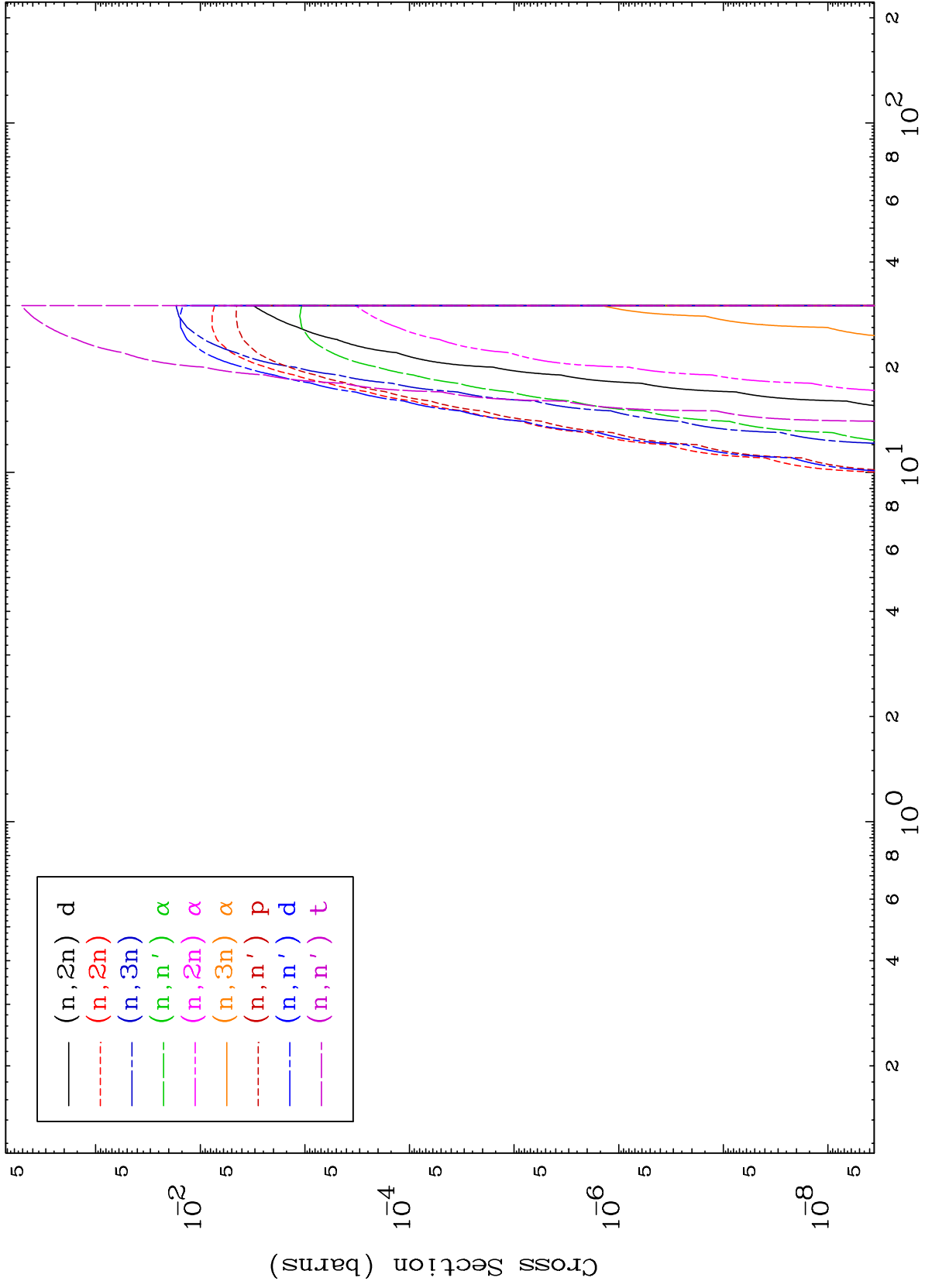
0 Kelvin Cross Sections



MAT 7730

He-3 Neutron Absorption  
0 Kelvin Cross Sections

77-Ir-192n



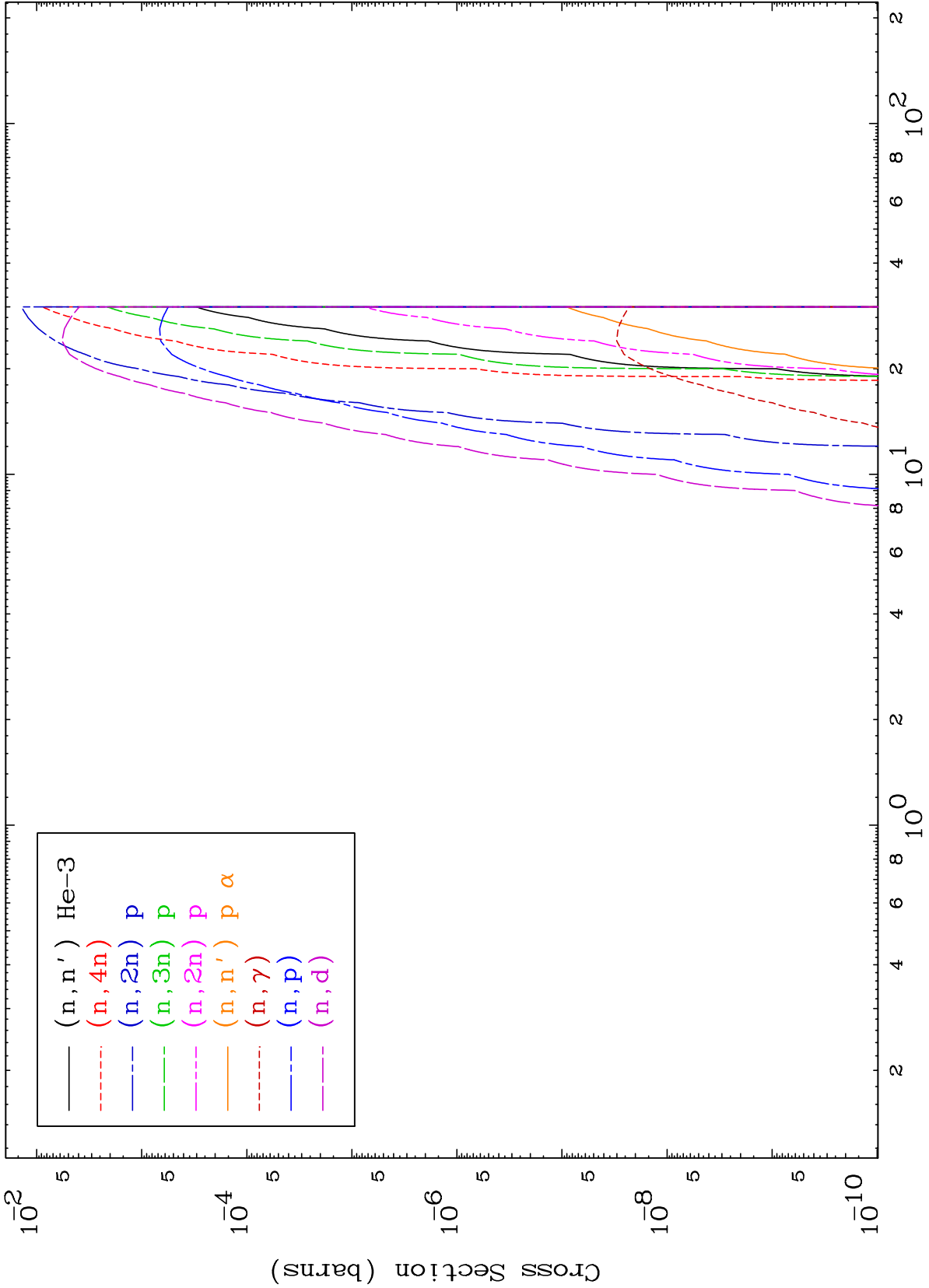
77-Ir-192n

Incident Energy (MeV)

MAT 7730

He-3 Neutron Absorption  
0 Kelvin Cross Sections

77-Ir-192n



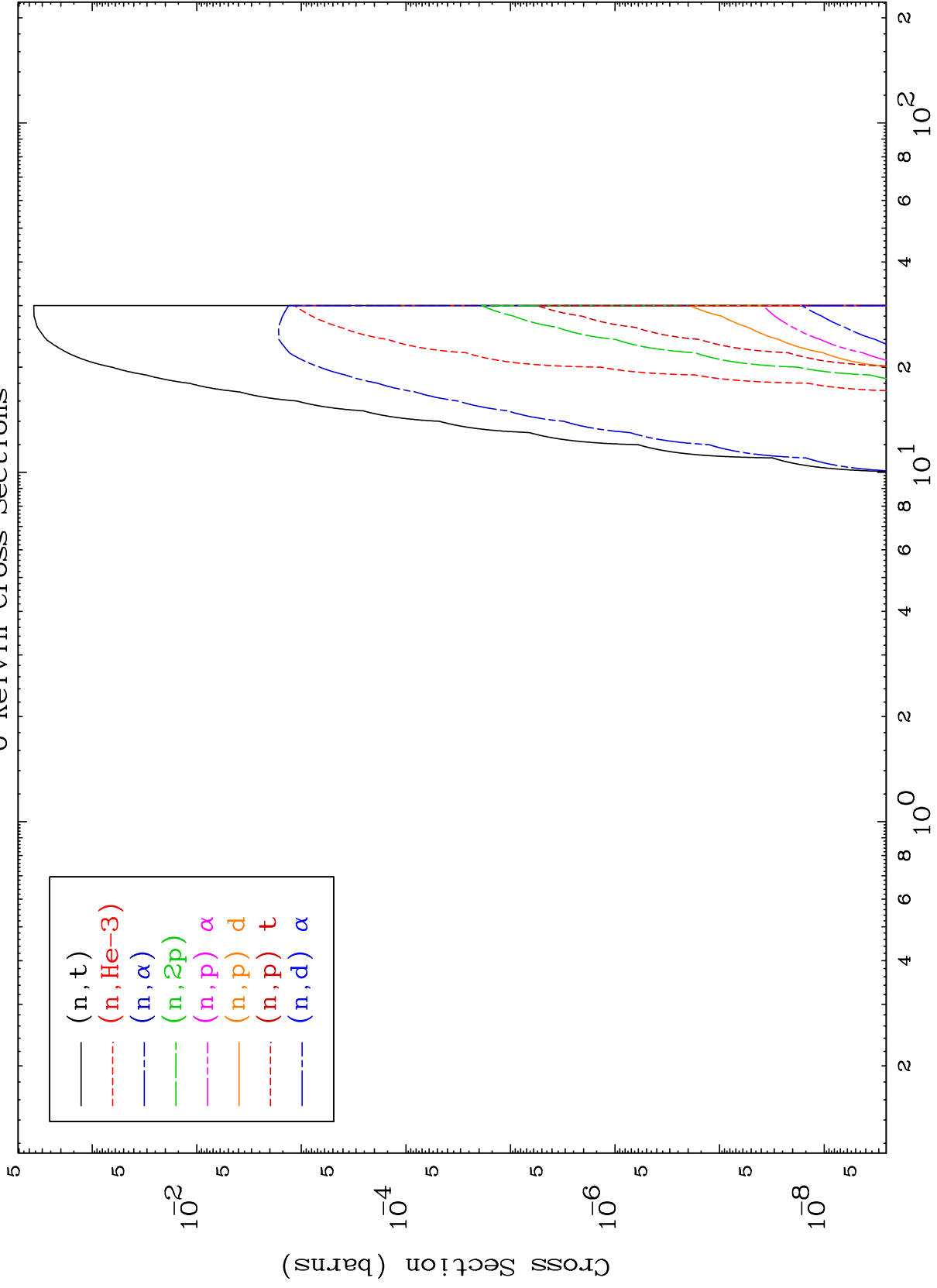
77-Ir-192n

Incident Energy (MeV)

MAT 7730

He-3 Neutron Absorption  
0 Kelvin Cross Sections

77-Ir-192n



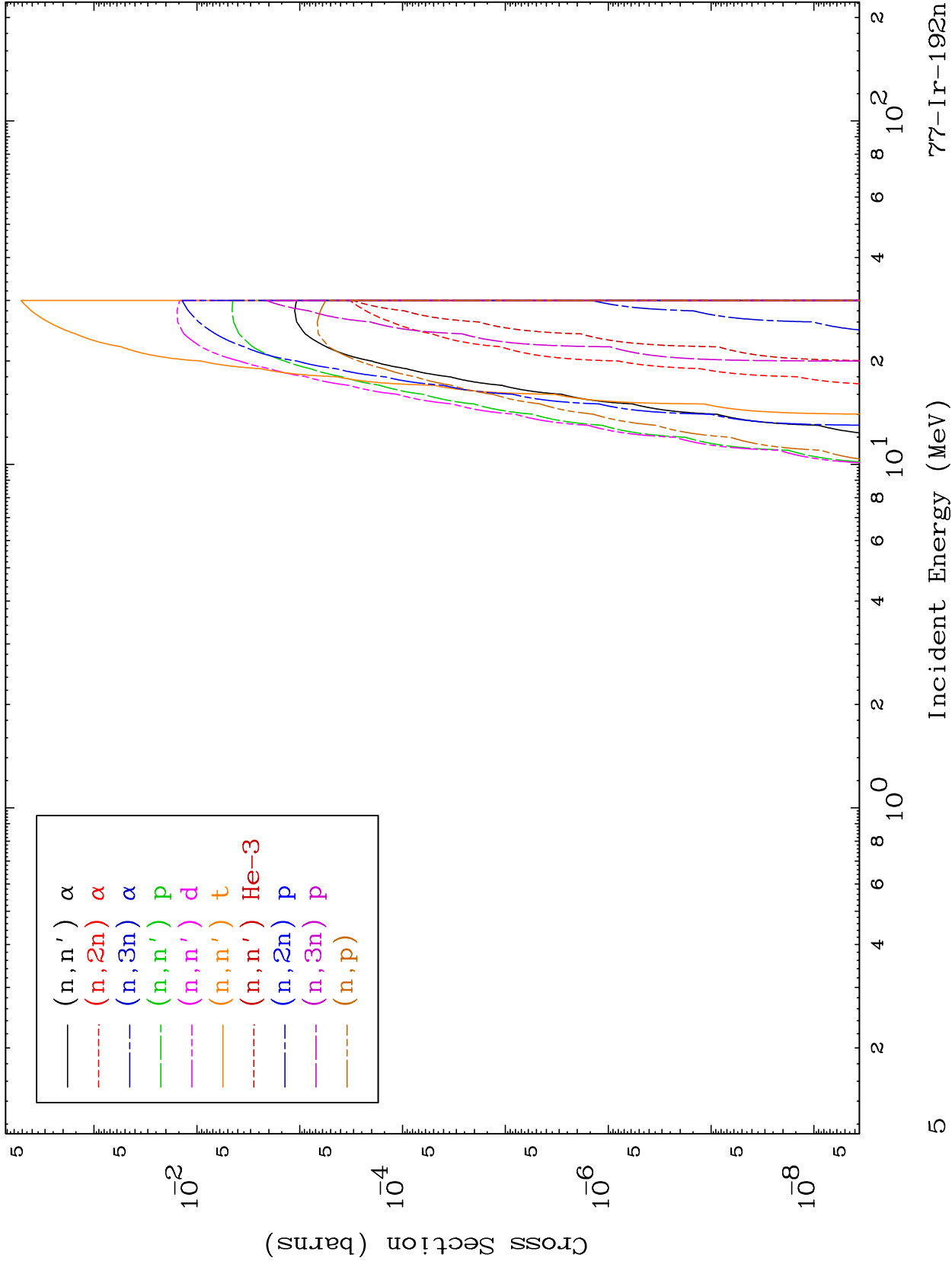
77-Ir-192n

Incident Energy (MeV)

MAT 7730

He-3 Charged Particle  
0 Kelvin Cross Sections

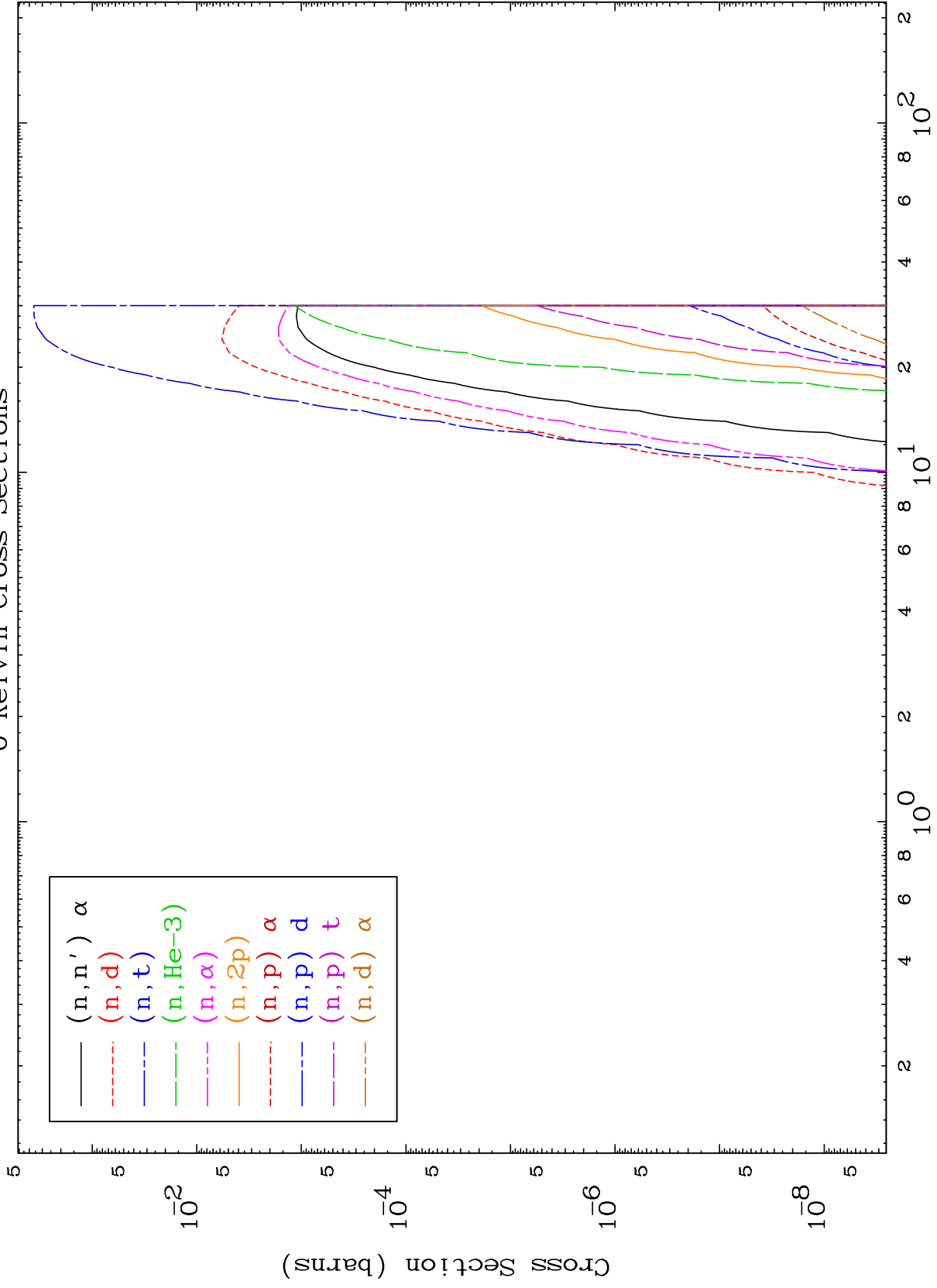
77-Ir-192n



MAT 7730

He-3 Charged Particle  
0 Kelvin Cross Sections

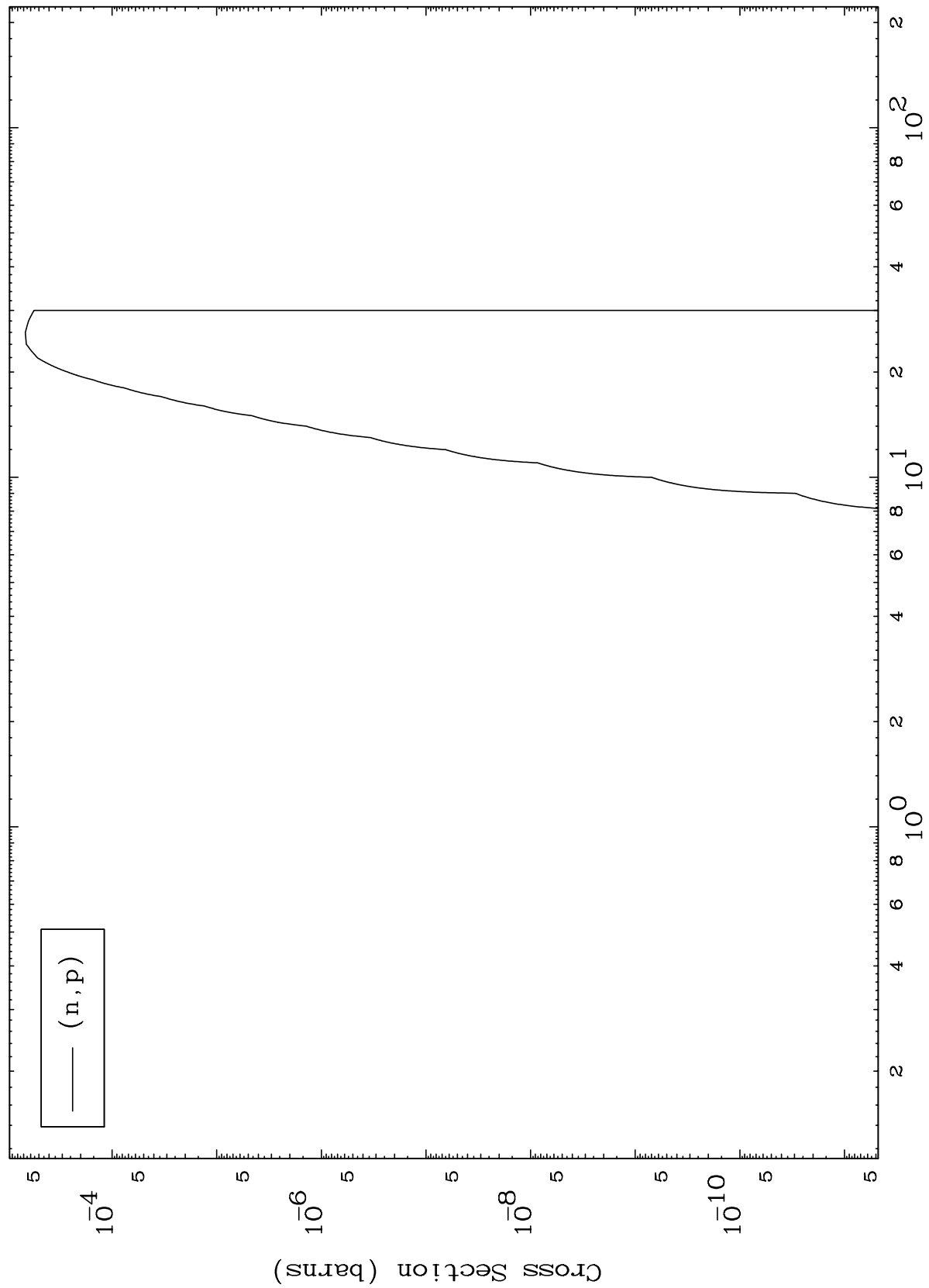
77-Ir-192n



MAT 7730

77-Ir-192n

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



(n,p)

77-Ir-192n

Incident Energy (MeV)

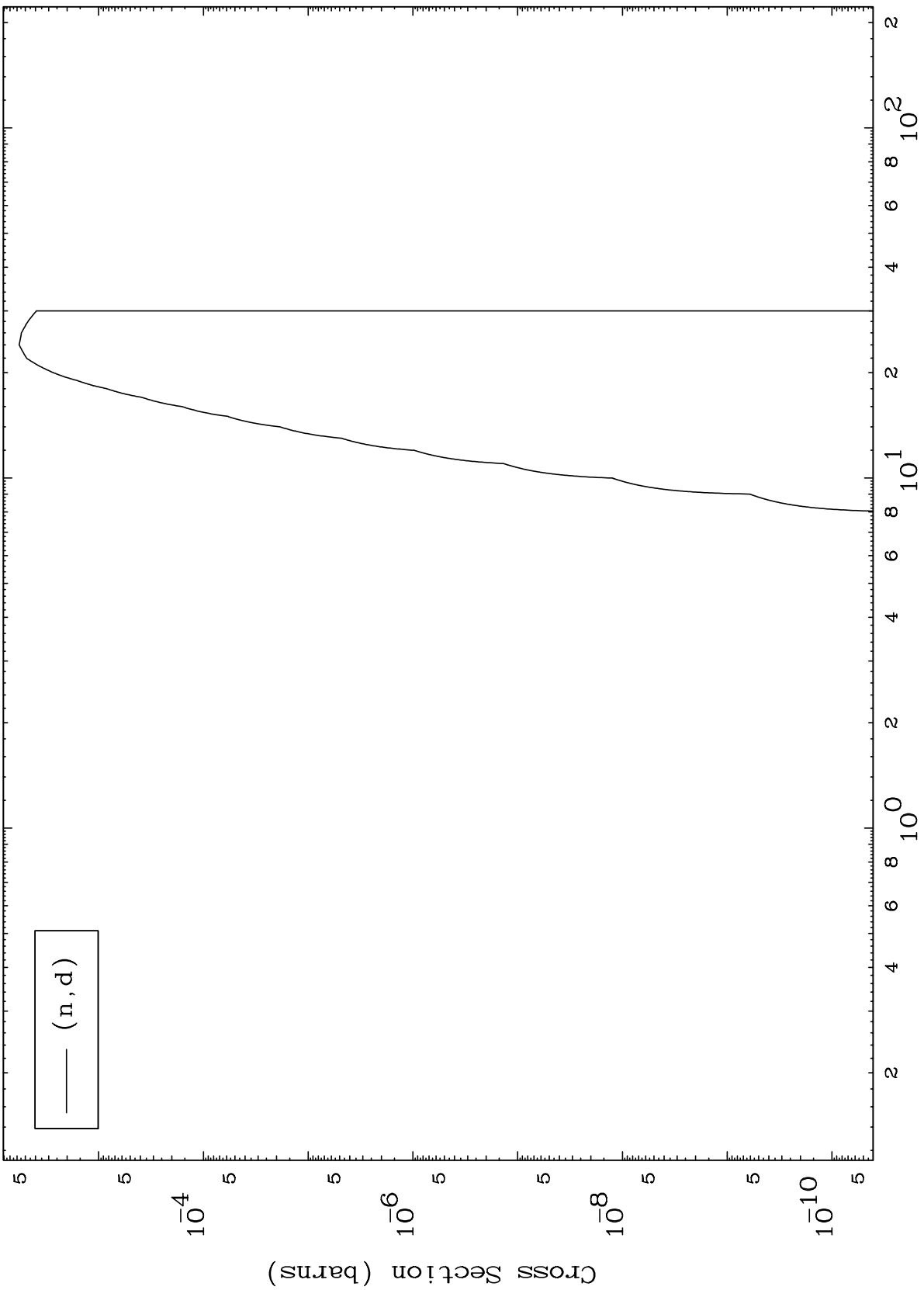
7

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(He-3,d) Levels

77-Ir-192n

0 Kelvin Cross Sections

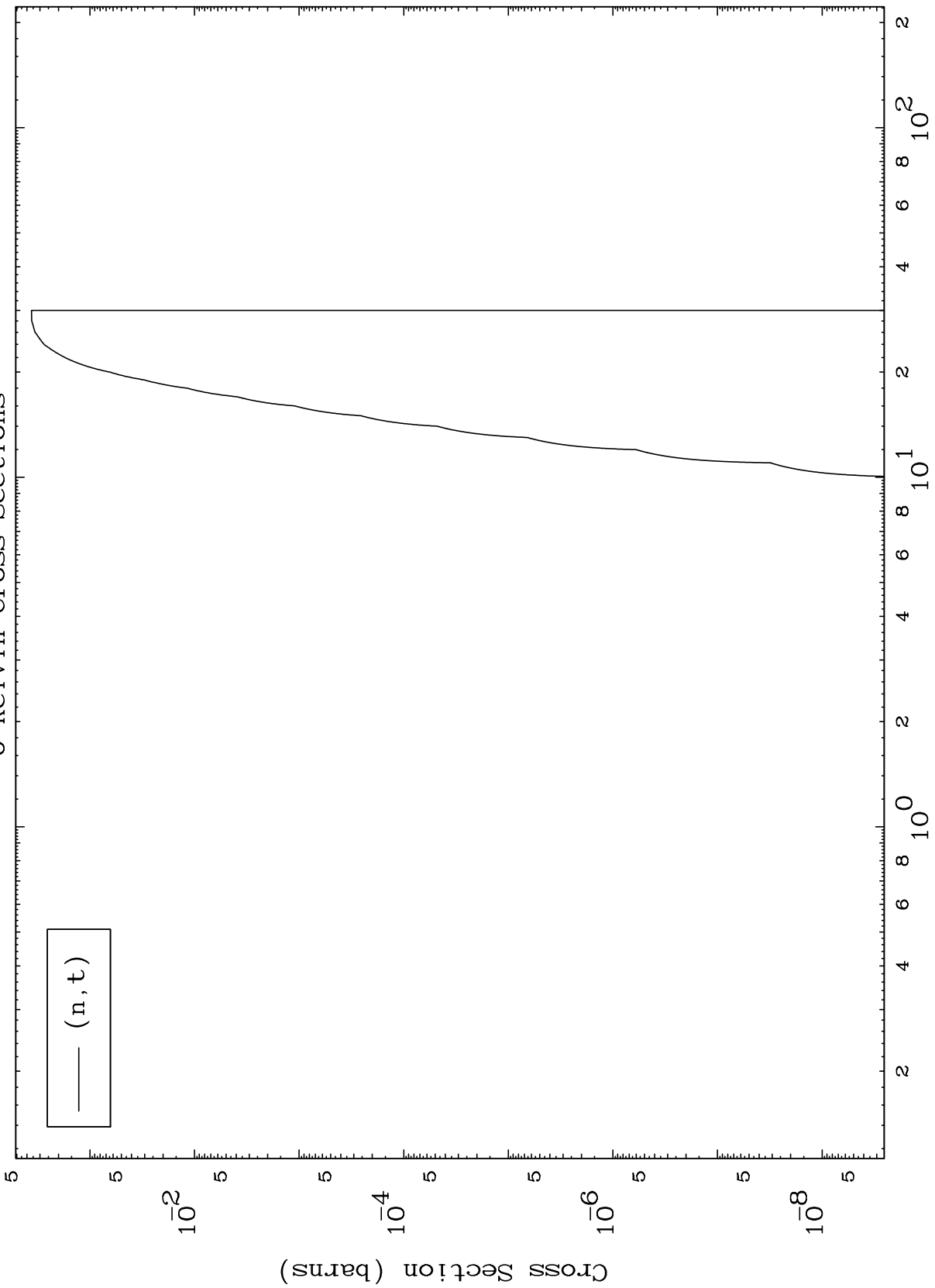


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(He-3,t) Levels

77-Ir-192n

0 Kelvin Cross Sections



(n, t)

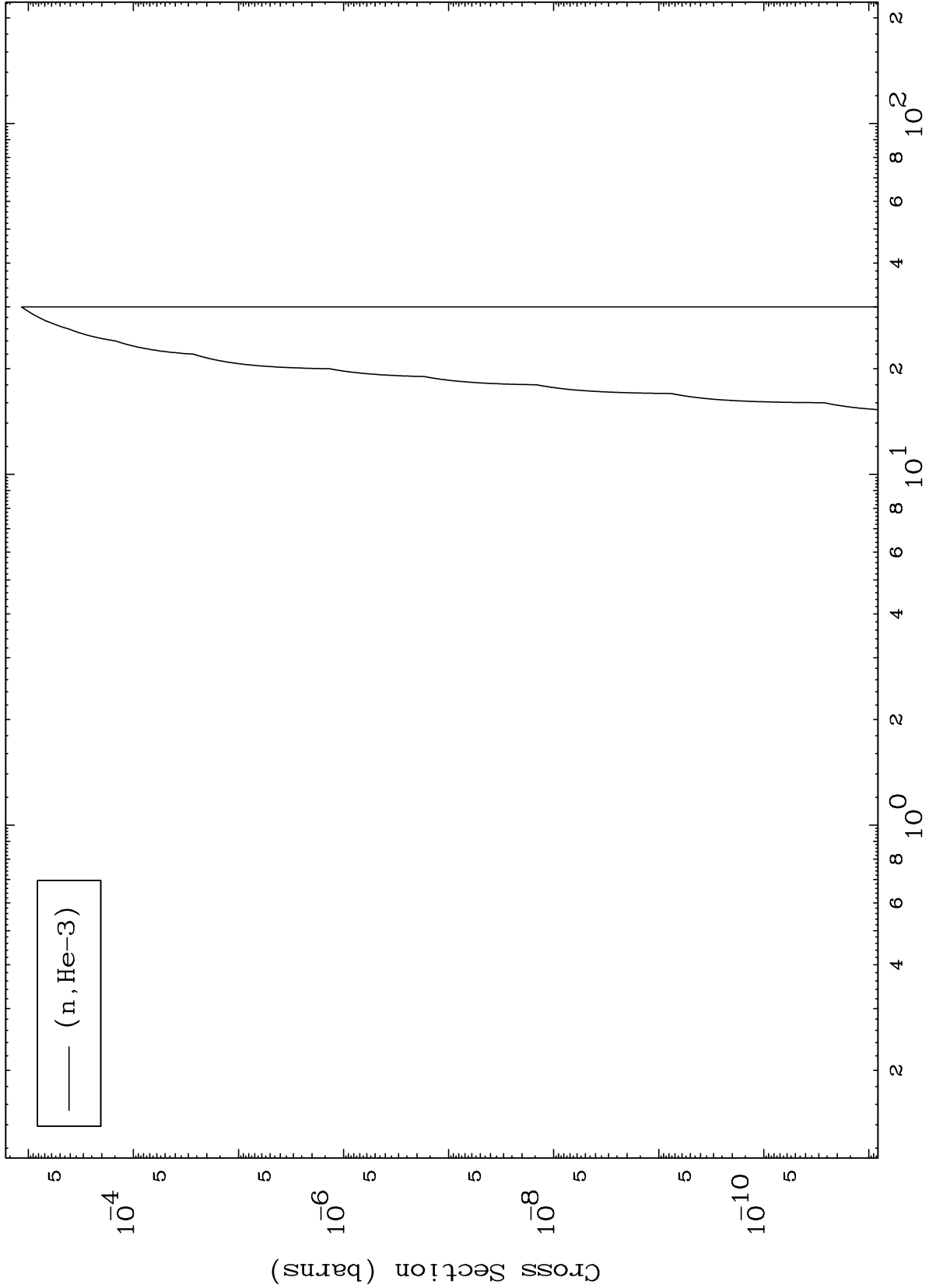
Incident Energy (MeV)

77-Ir-192n

MAT 7730

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

77-Ir-192n



10

Incident Energy (MeV)

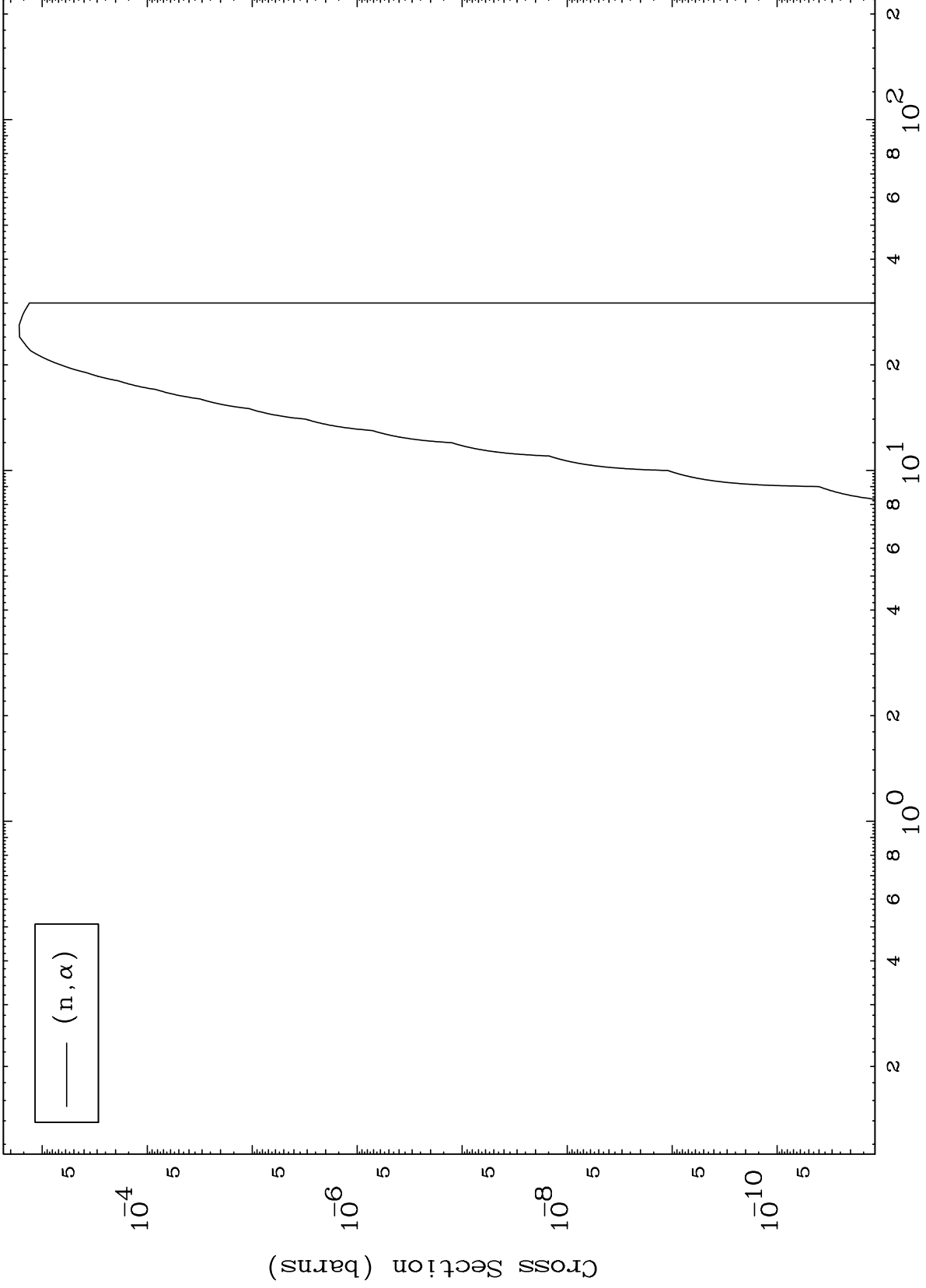
77-Ir-192n

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(He-3,  $\alpha$ ) Levels

77-Ir-192n

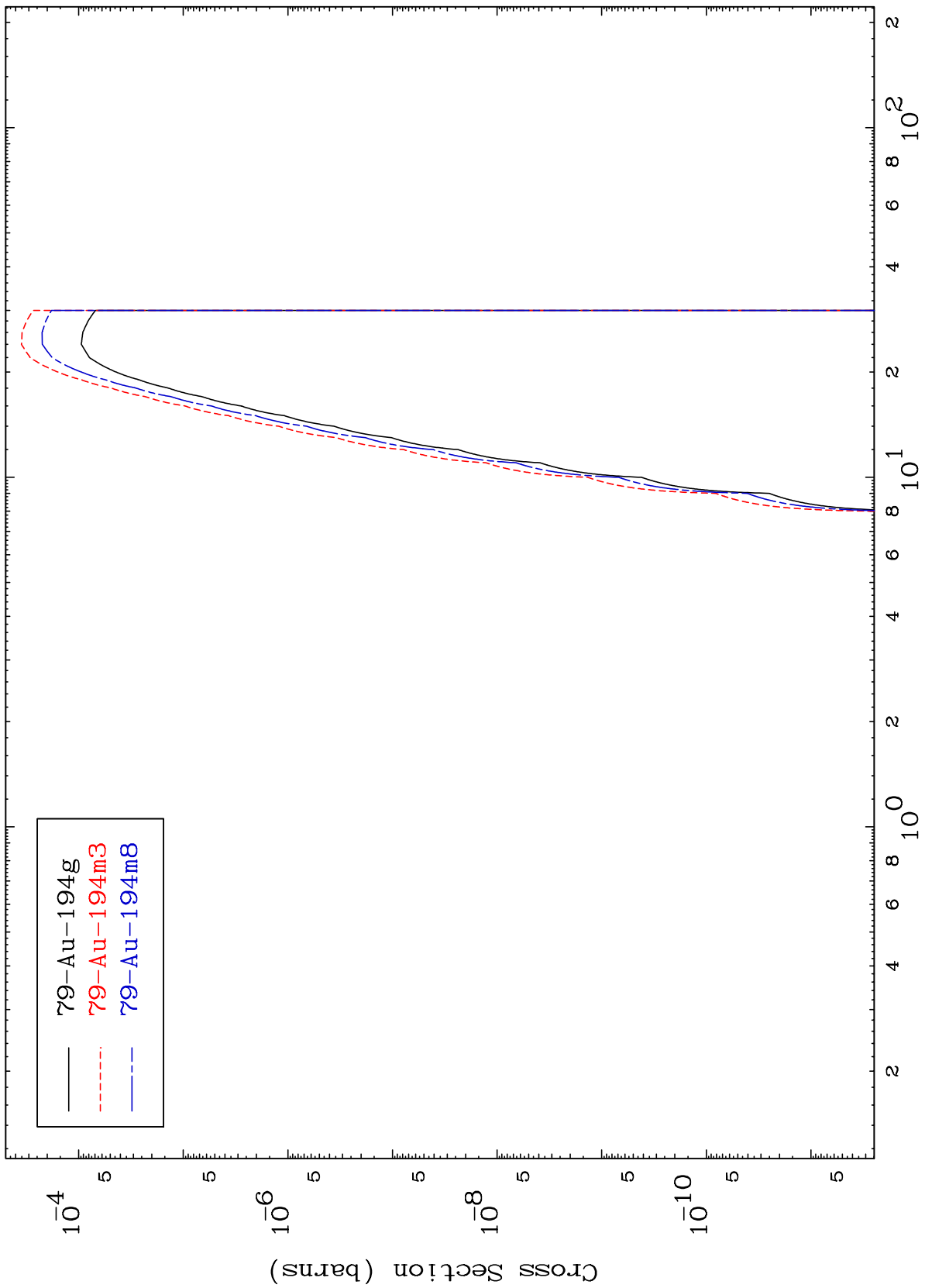
0 Kelvin Cross Sections



MAT 7730

<sup>77</sup>Ir-192n

Inelastic  
Radionuclide Production Cross Section



<sup>77</sup>Ir-192n

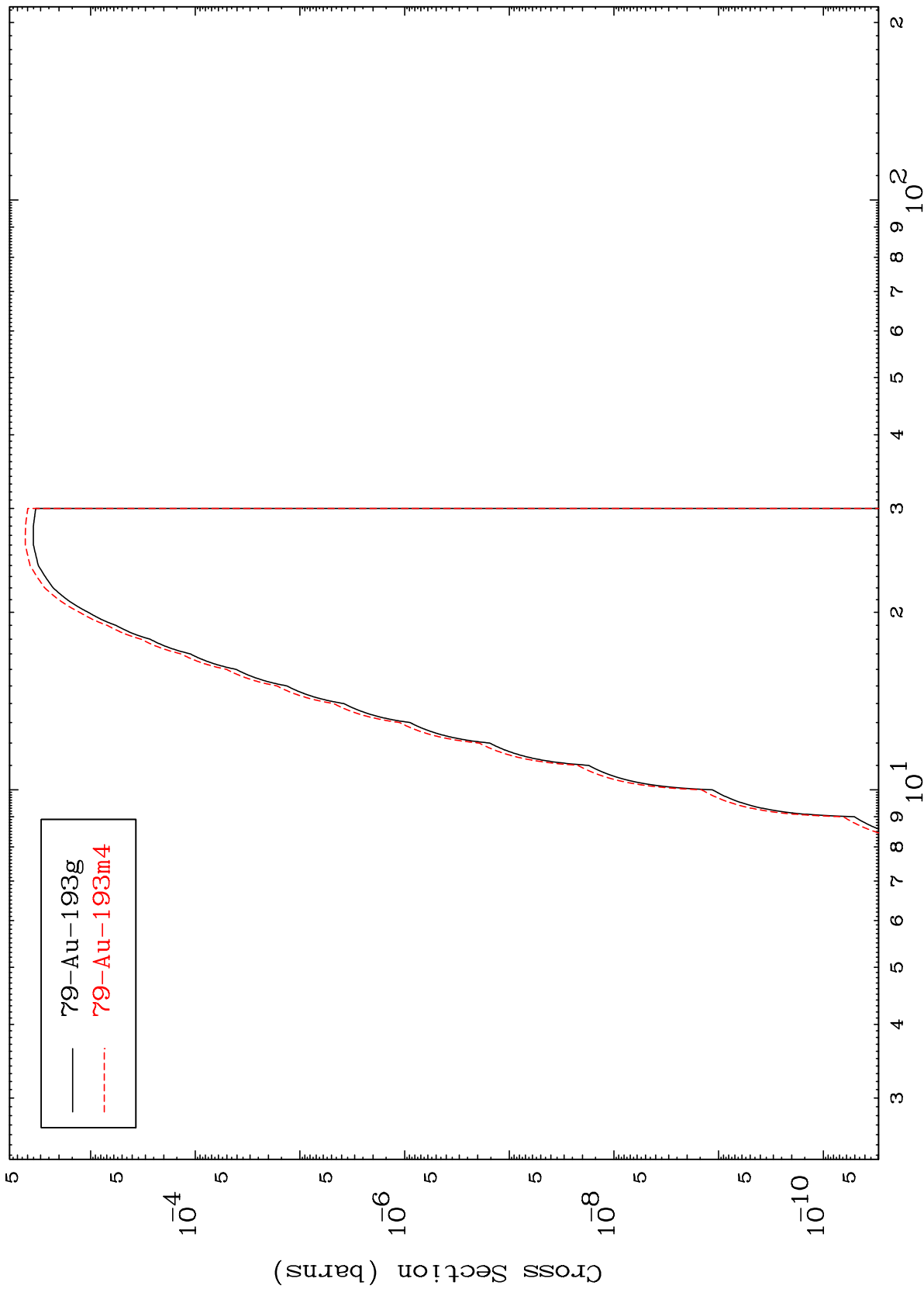
Incident Energy (MeV)

12

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<sup>77</sup>Ir-192n

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>77</sup>Ir-192n

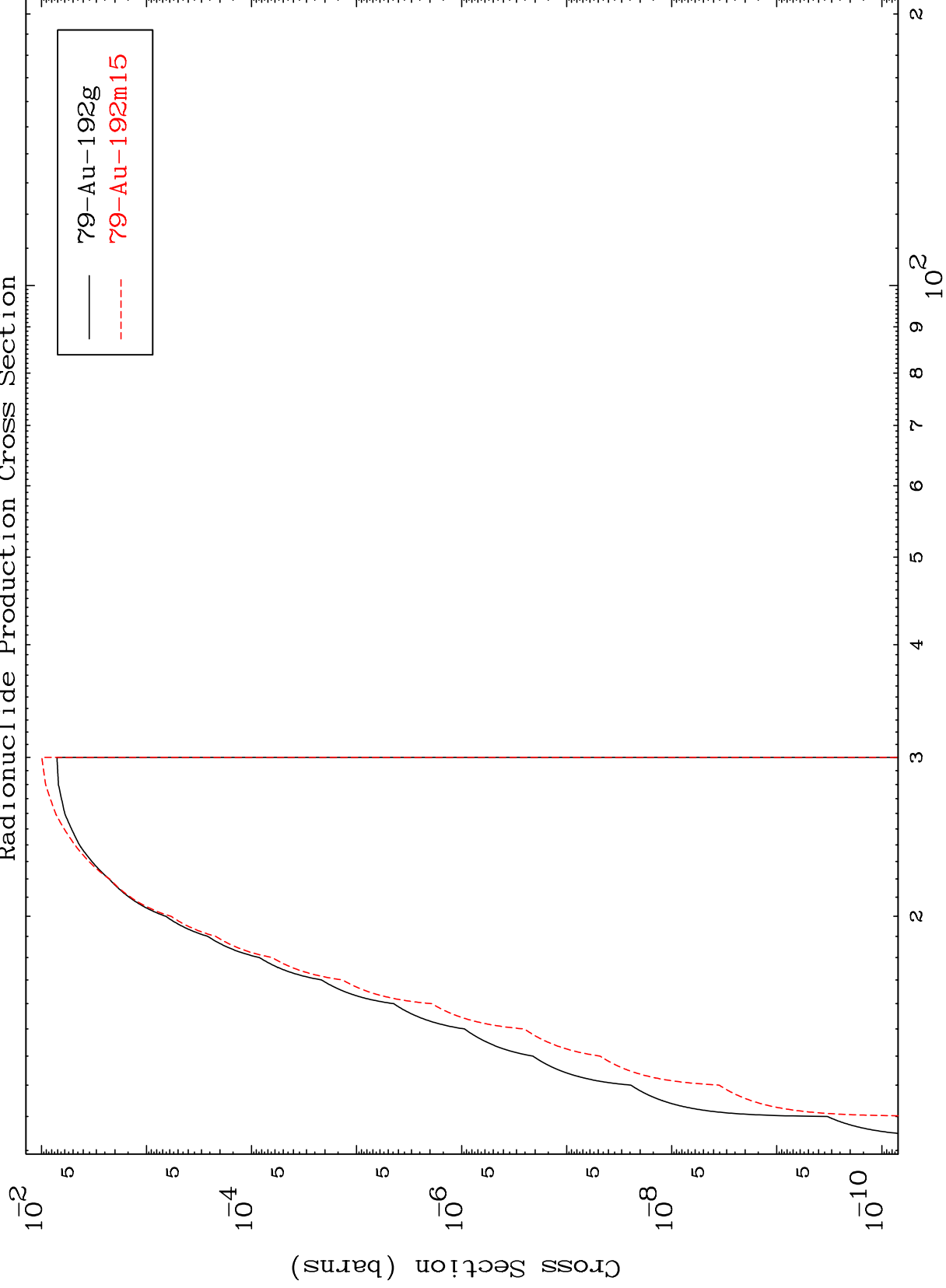
13

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(n,3n)

<sup>77</sup>Ir-192n

Radionuclide Production Cross Section



Incident Energy (MeV)

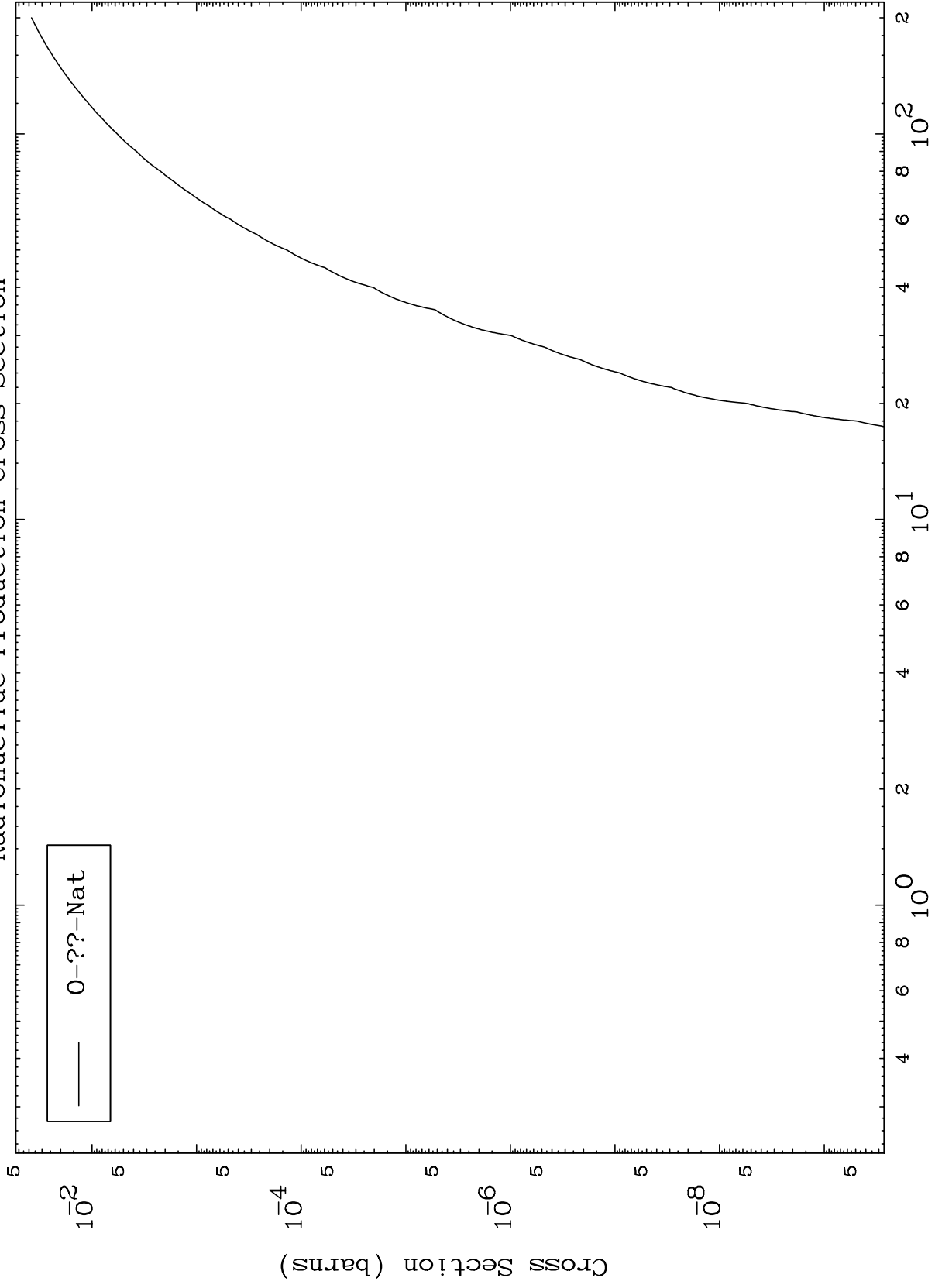
<sup>77</sup>Ir-192n

14

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Fission  
Radionuclide Production Cross Section

<sup>77</sup>Ir-192n



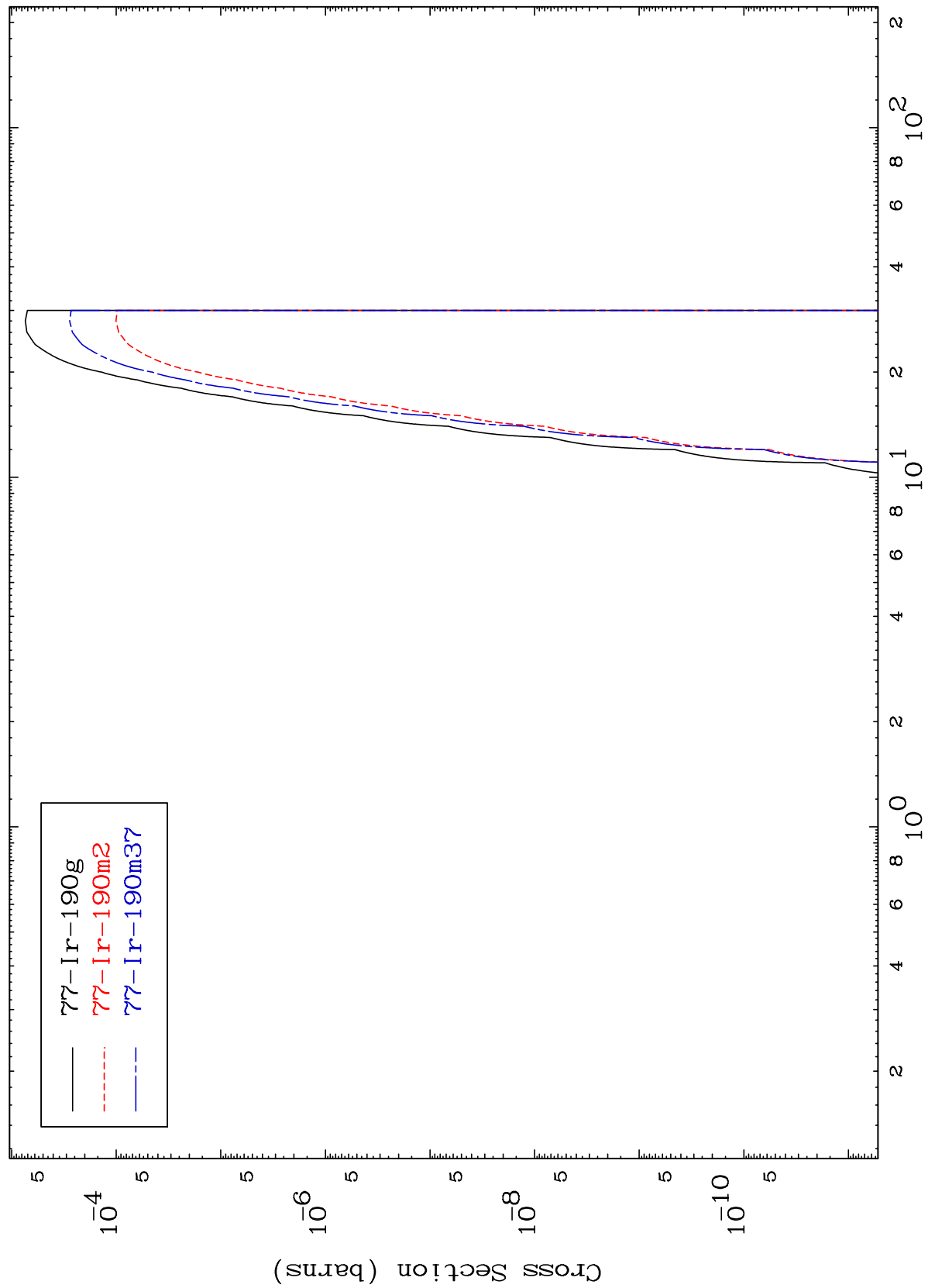
— 0-??-Nat

MAT 7730

$(n, n') \alpha$

$^{77}\text{Ir-192n}$

Radionuclide Production Cross Section

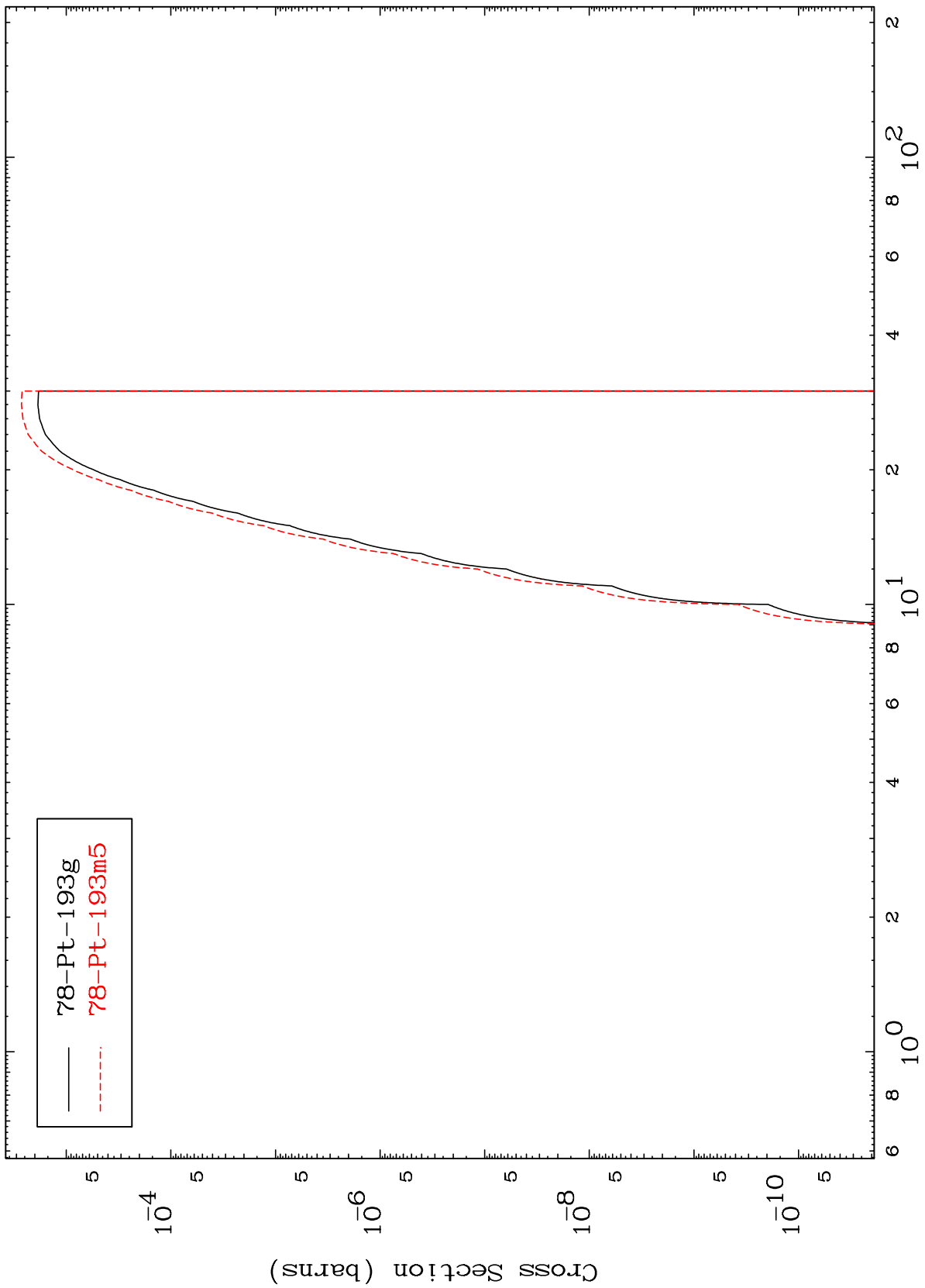


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(n,n') p

<sup>77</sup>Ir-192n

Radionuclide Production Cross Section



17

Incident Energy (MeV)

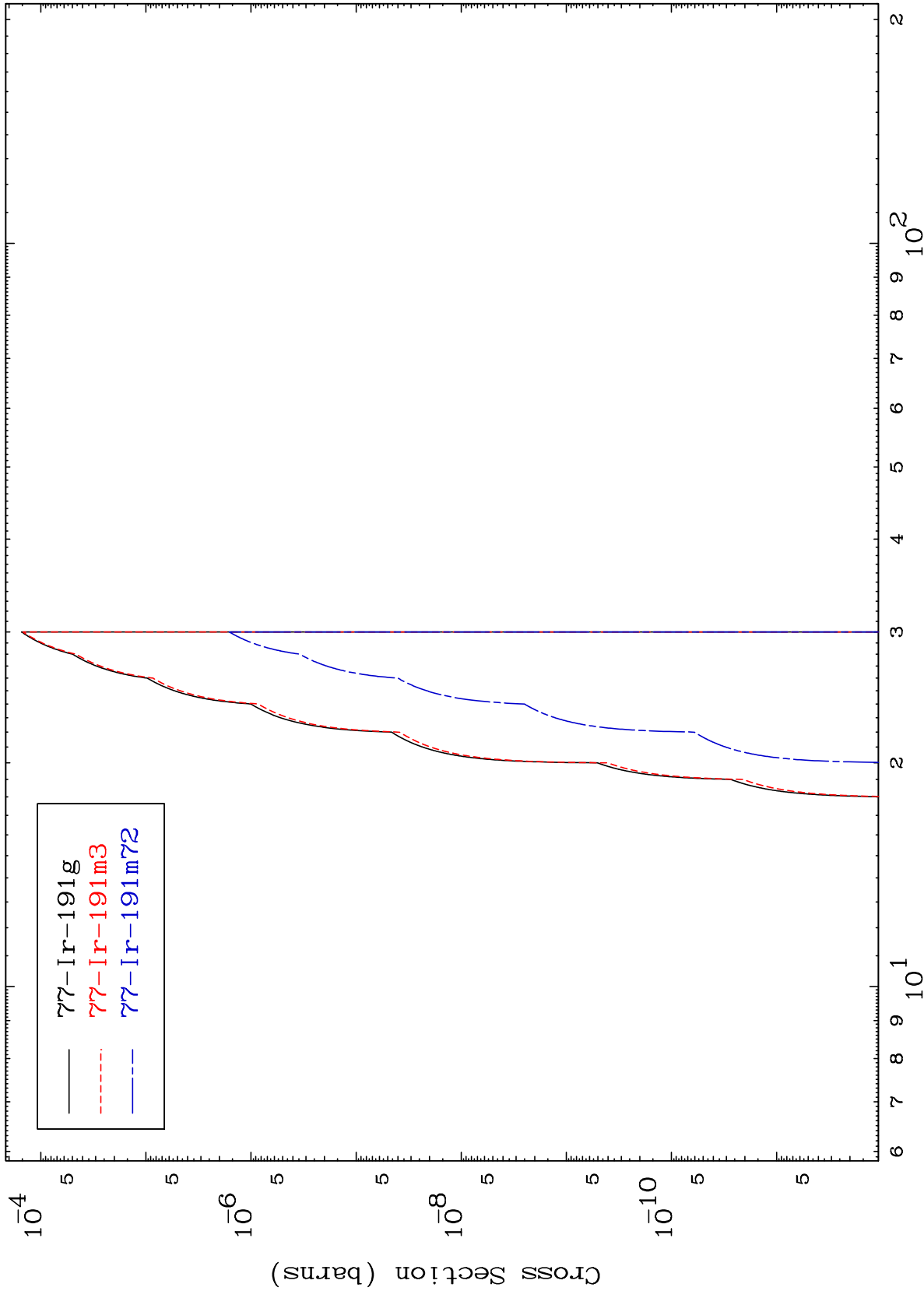
<sup>77</sup>Ir-192n

MAT 7730

(n,n') He-3

<sup>77</sup>Ir-192n

Radionuclide Production Cross Section



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

18

Incident Energy (MeV)

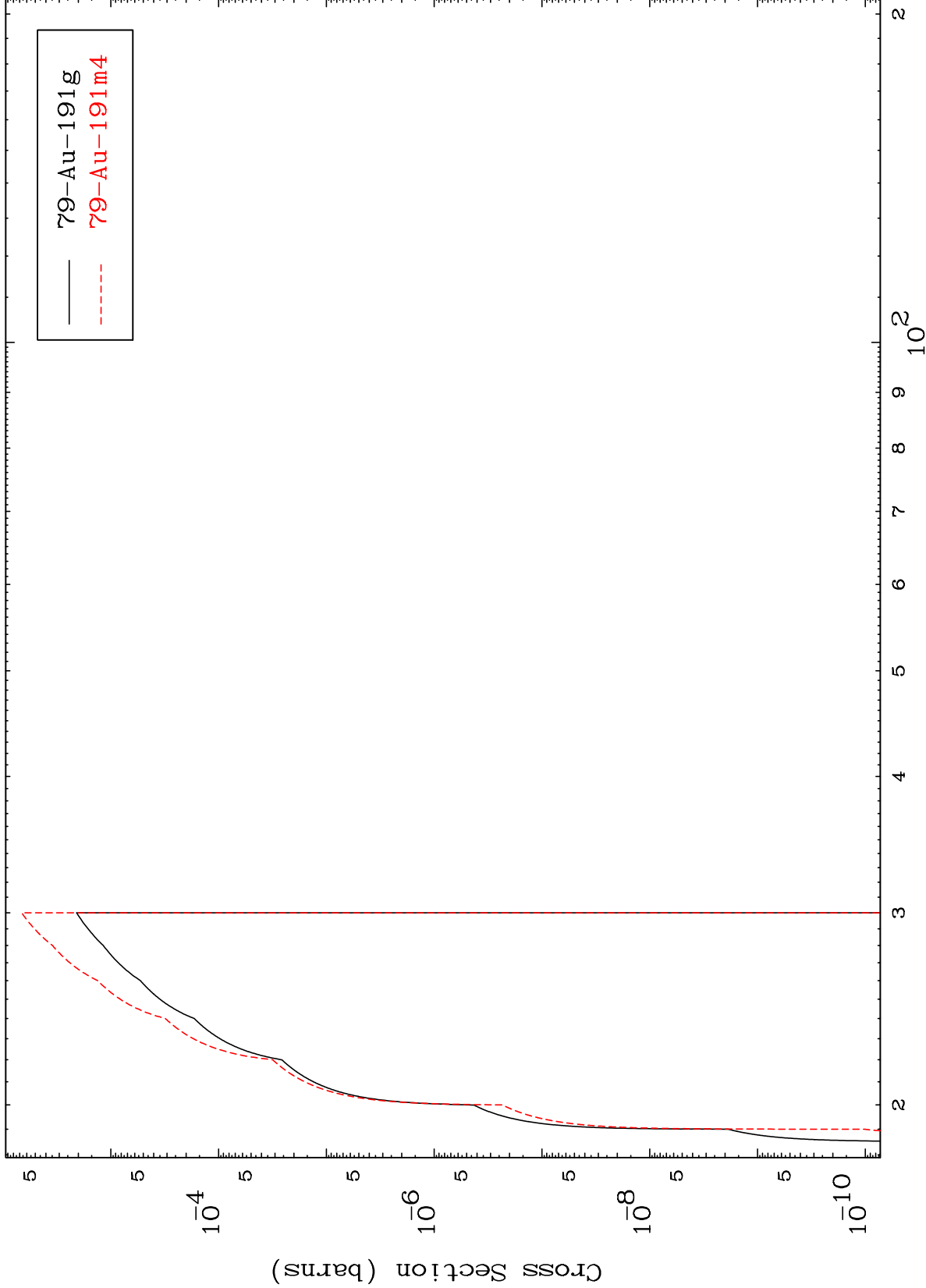
<sup>77</sup>Ir-192n

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(n,4n)

77-Ir-192n

Radionuclide Production Cross Section



19

Incident Energy (MeV)

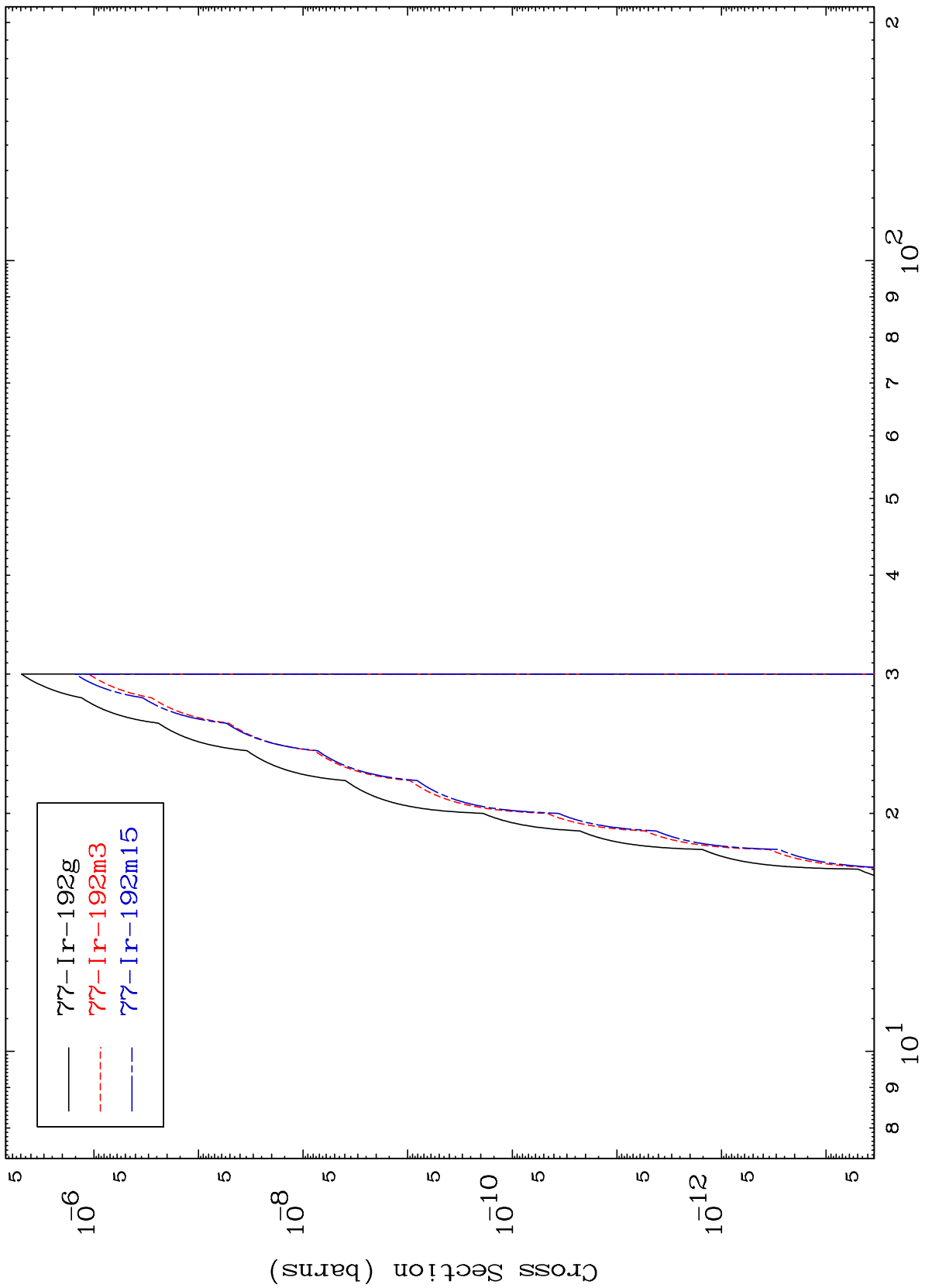
77-Ir-192n

MAT 7730

(n,2n) p

<sup>77</sup>Ir-192n

Radionuclide Production Cross Section



20

Incident Energy (MeV)

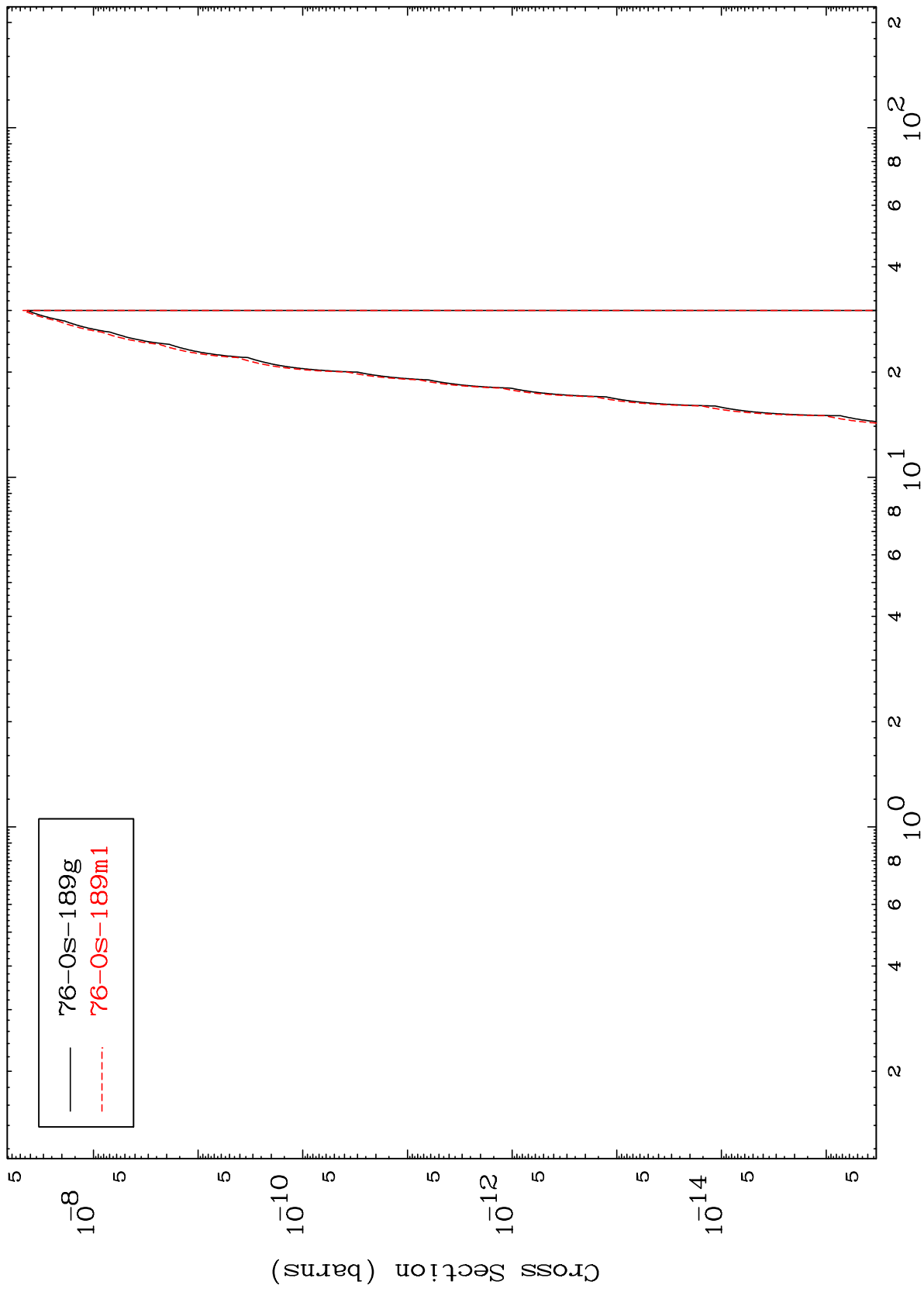
<sup>77</sup>Ir-192n

MAT 7730

(n,n') p  $\alpha$

77-Ir-192n

Radionuclide Production Cross Section



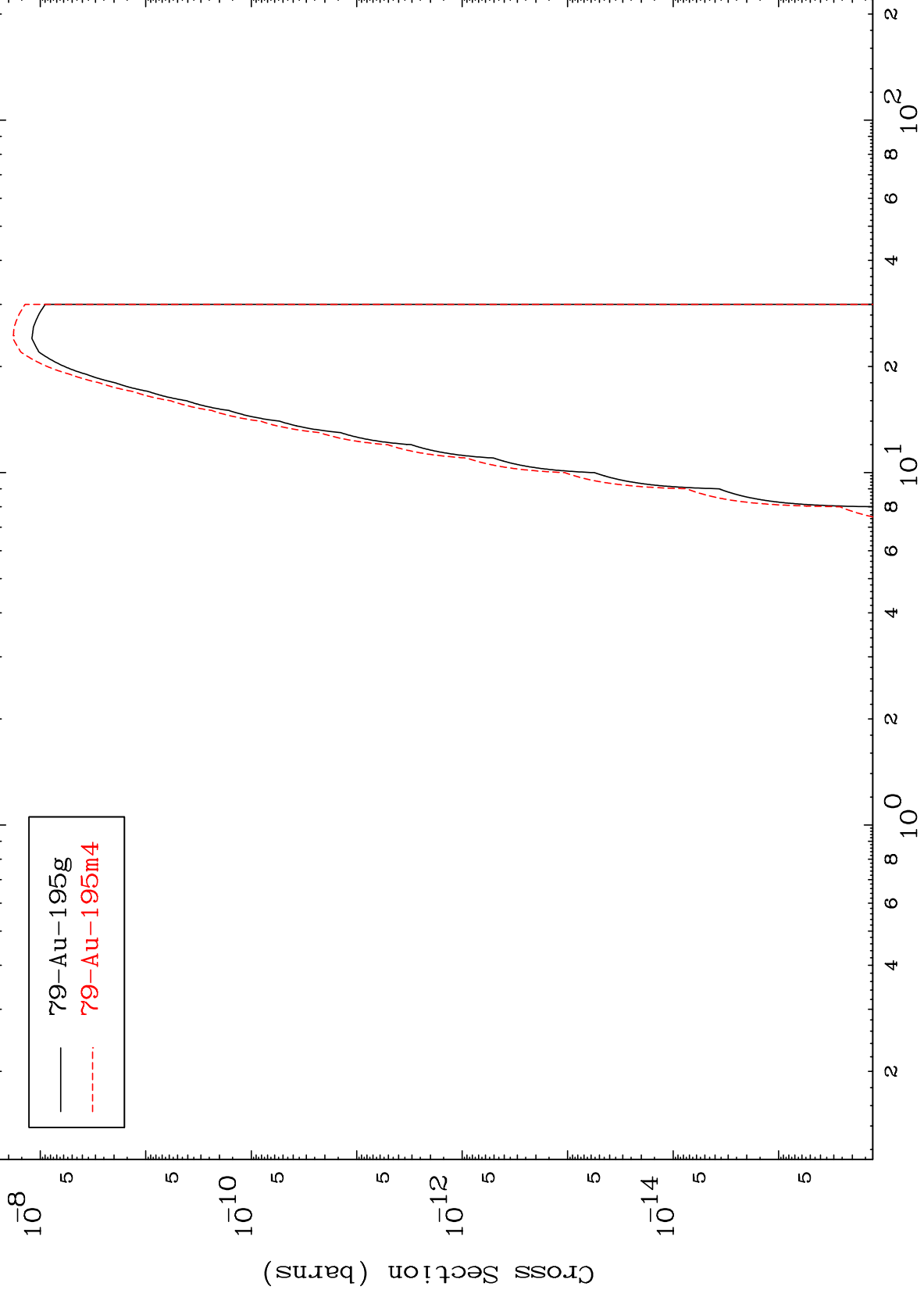
76-Os-189g  
76-Os-189m1

MAT 7730

(n,  $\gamma$ )

$^{77}\text{Ir}-192\text{n}$

Radionuclide Production Cross Section



—  $^{79}\text{Au}-195\text{g}$   
- - -  $^{79}\text{Au}-195\text{m4}$

Incident Energy (MeV)

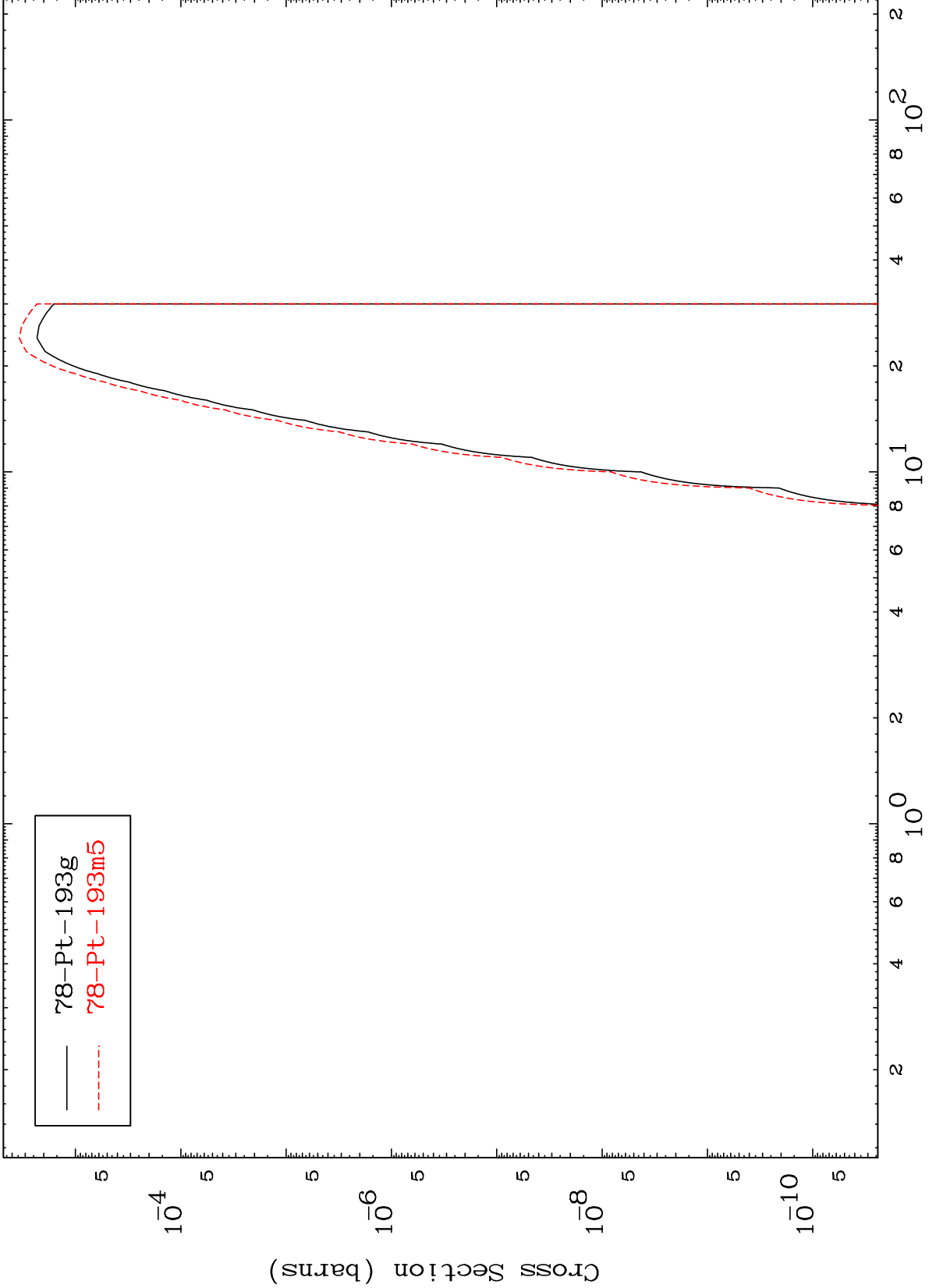
$^{77}\text{Ir}-192\text{n}$

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(n,d)

<sup>77</sup>Ir-192n

Radionuclide Production Cross Section



Incident Energy (MeV)

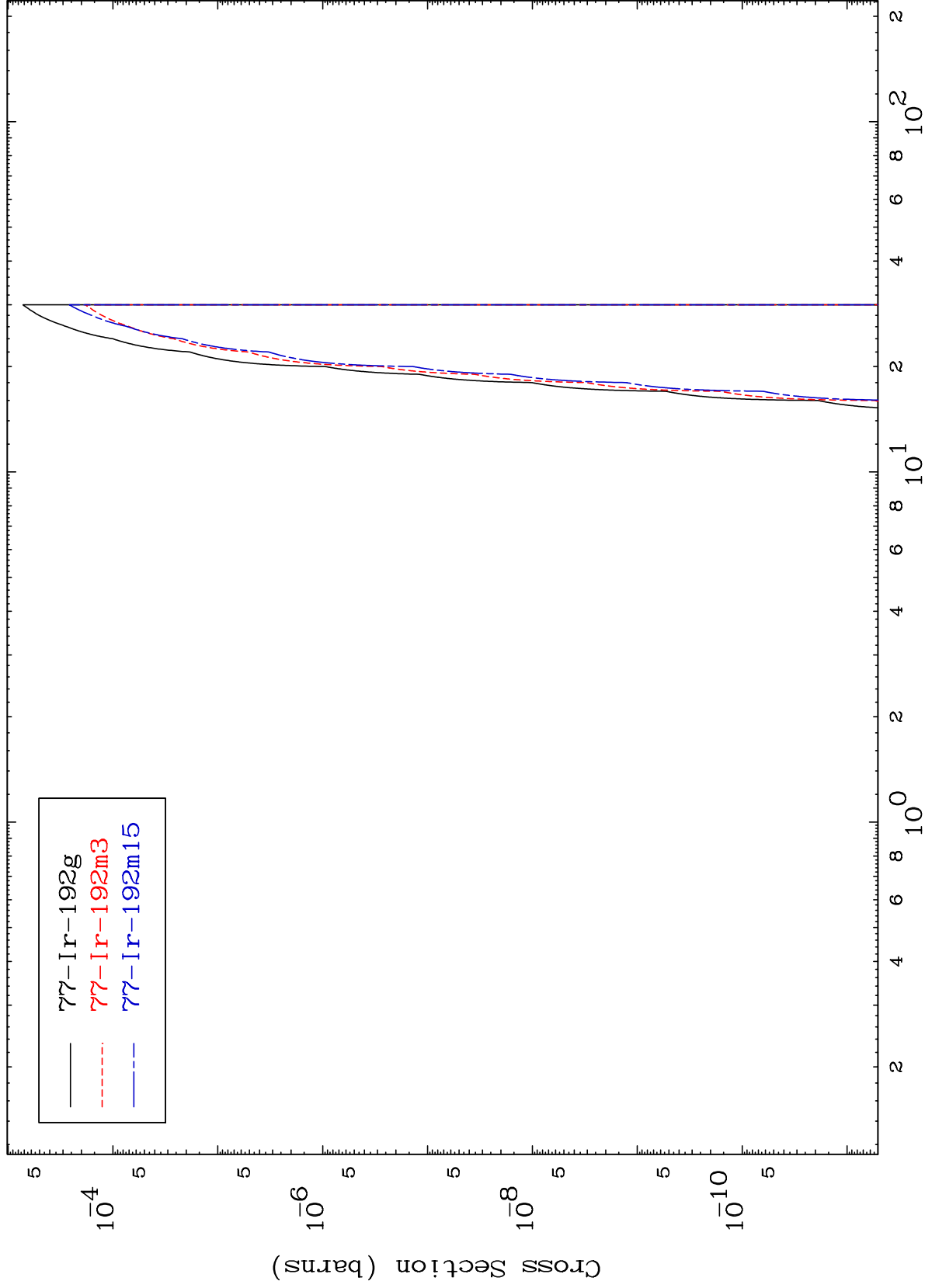
<sup>77</sup>Ir-192n

MAT 7730

(n,He-3)

<sup>77</sup>Ir-192n

Radionuclide Production Cross Section



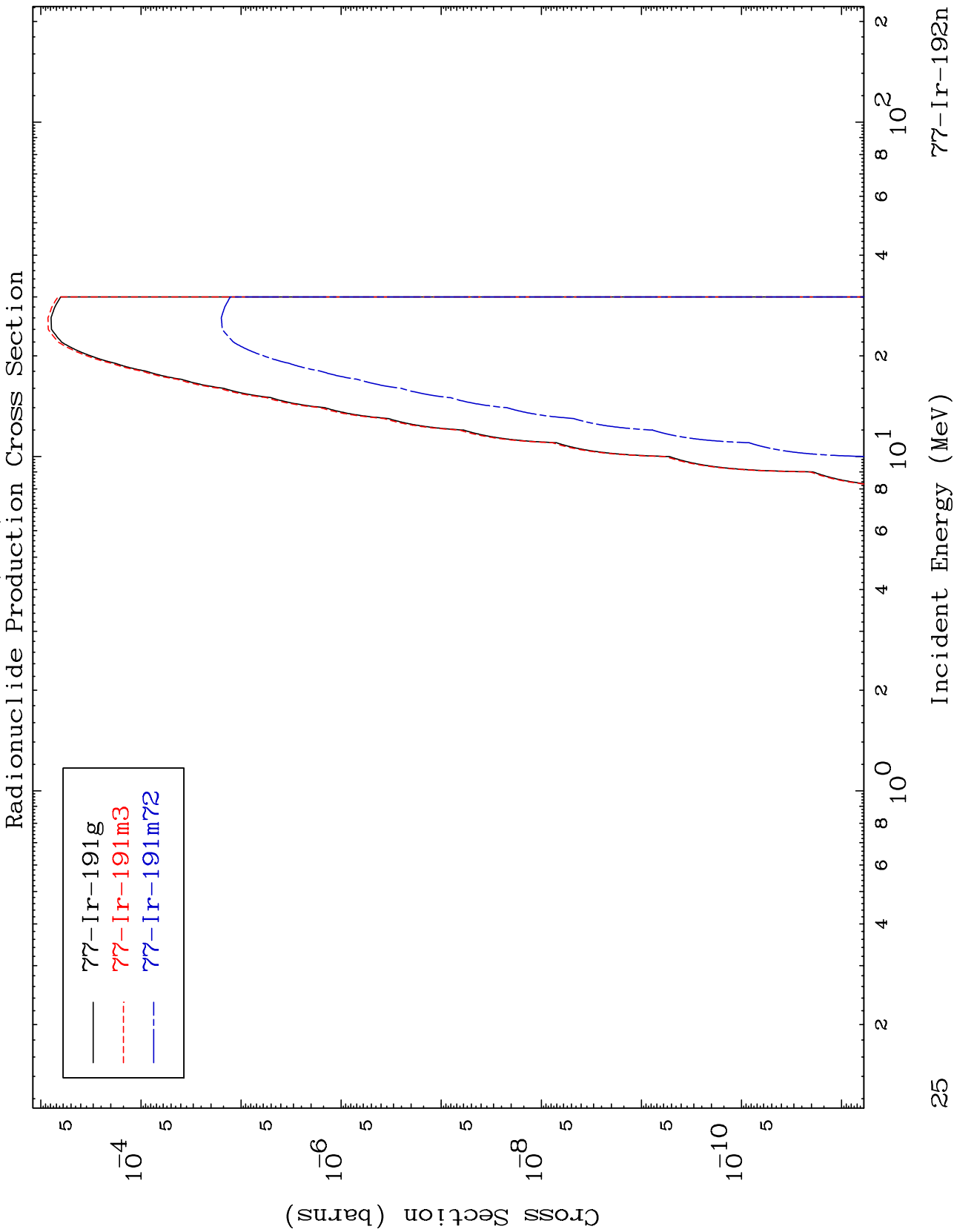
24

Incident Energy (MeV)

<sup>77</sup>Ir-192n

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$^{77}\text{Ir-192n}$

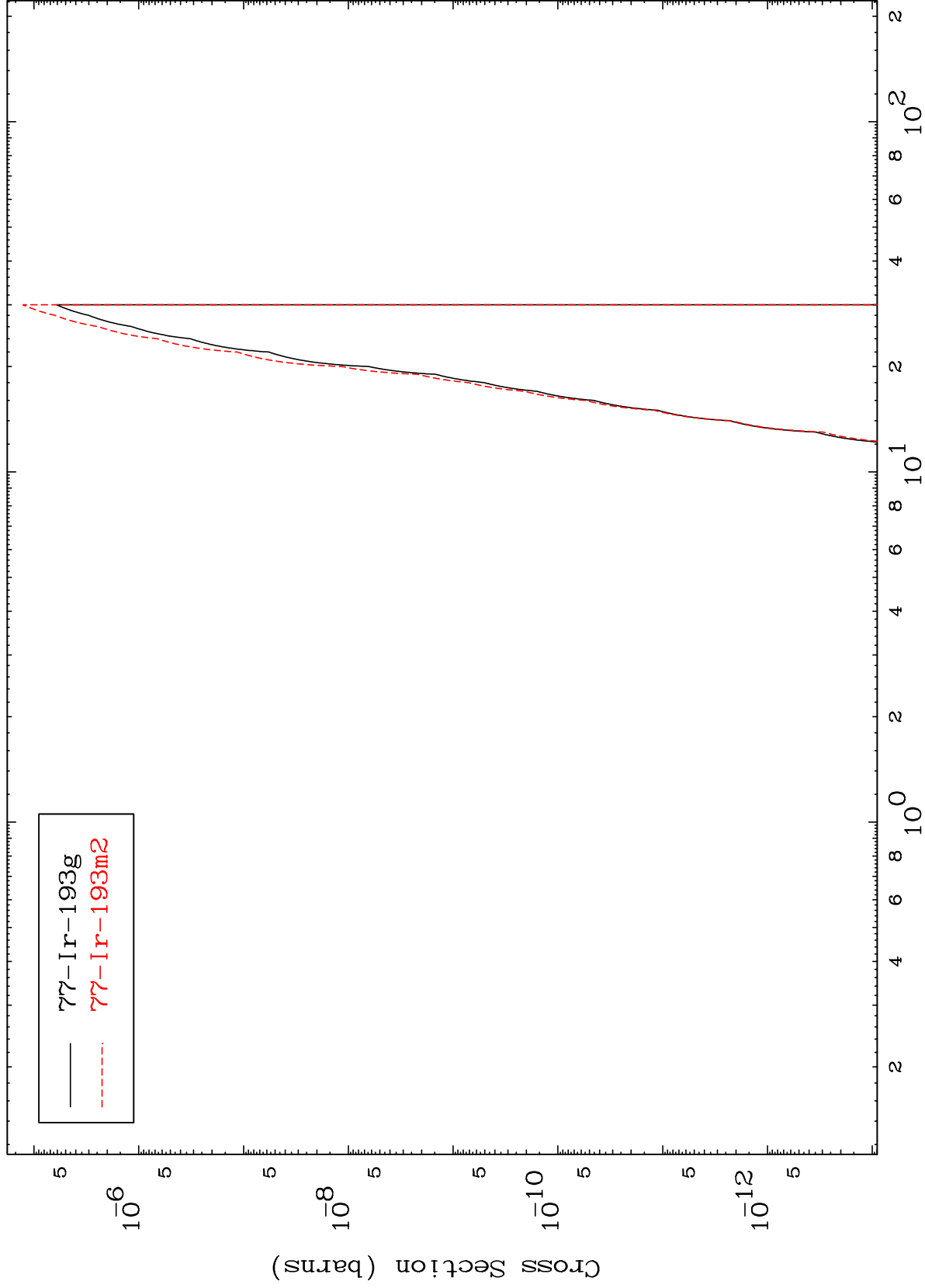


—  $^{77}\text{Ir-191g}$   
- -  $^{77}\text{Ir-191m3}$   
- -  $^{77}\text{Ir-191m72}$

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$^{77}\text{Ir-192n}$

Radionuclide Production Cross Section  
(n,2p)



26

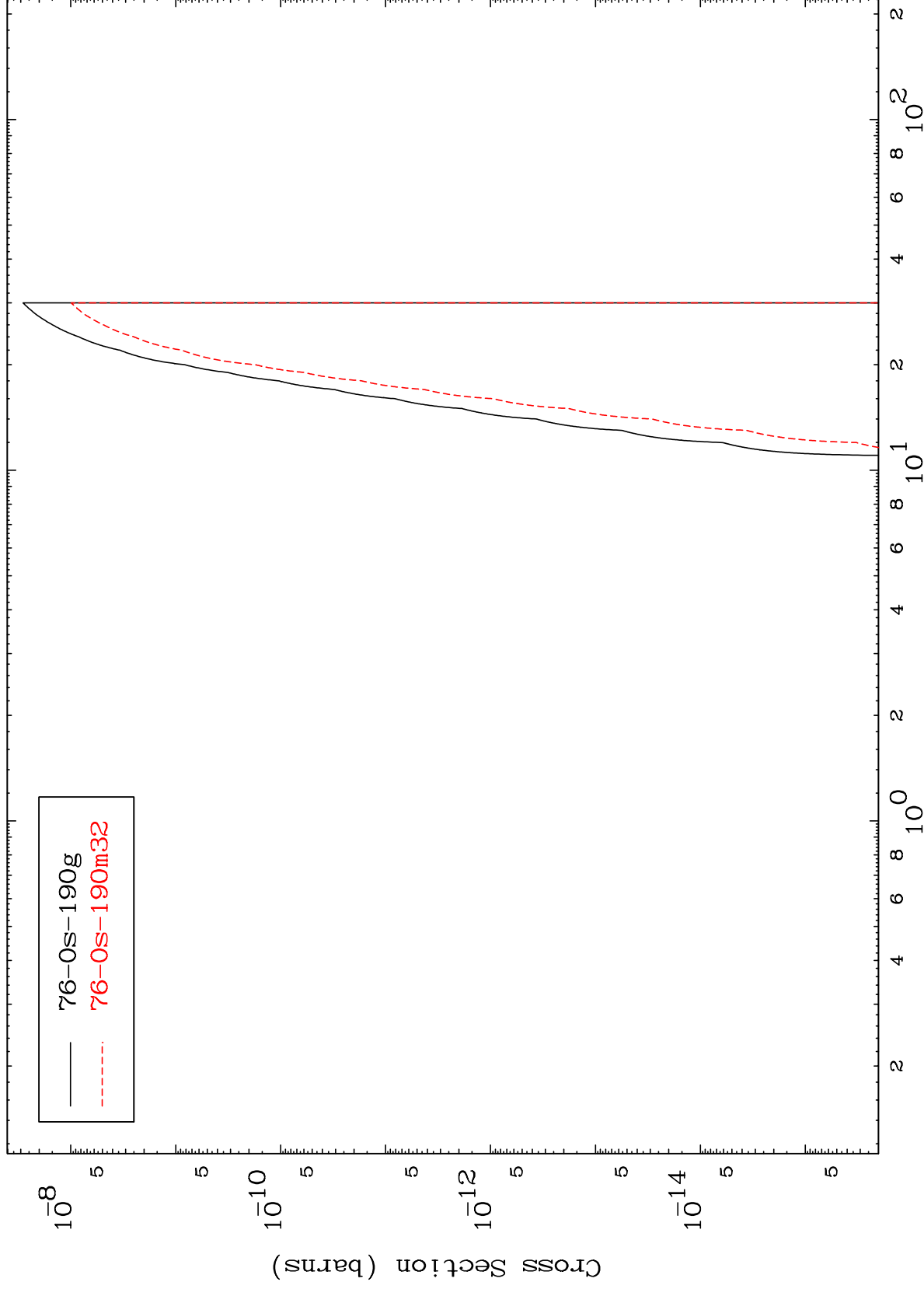
$^{77}\text{Ir-192n}$

MAT 7730

(n,p)  $\alpha$

$^{77}\text{Ir-192n}$

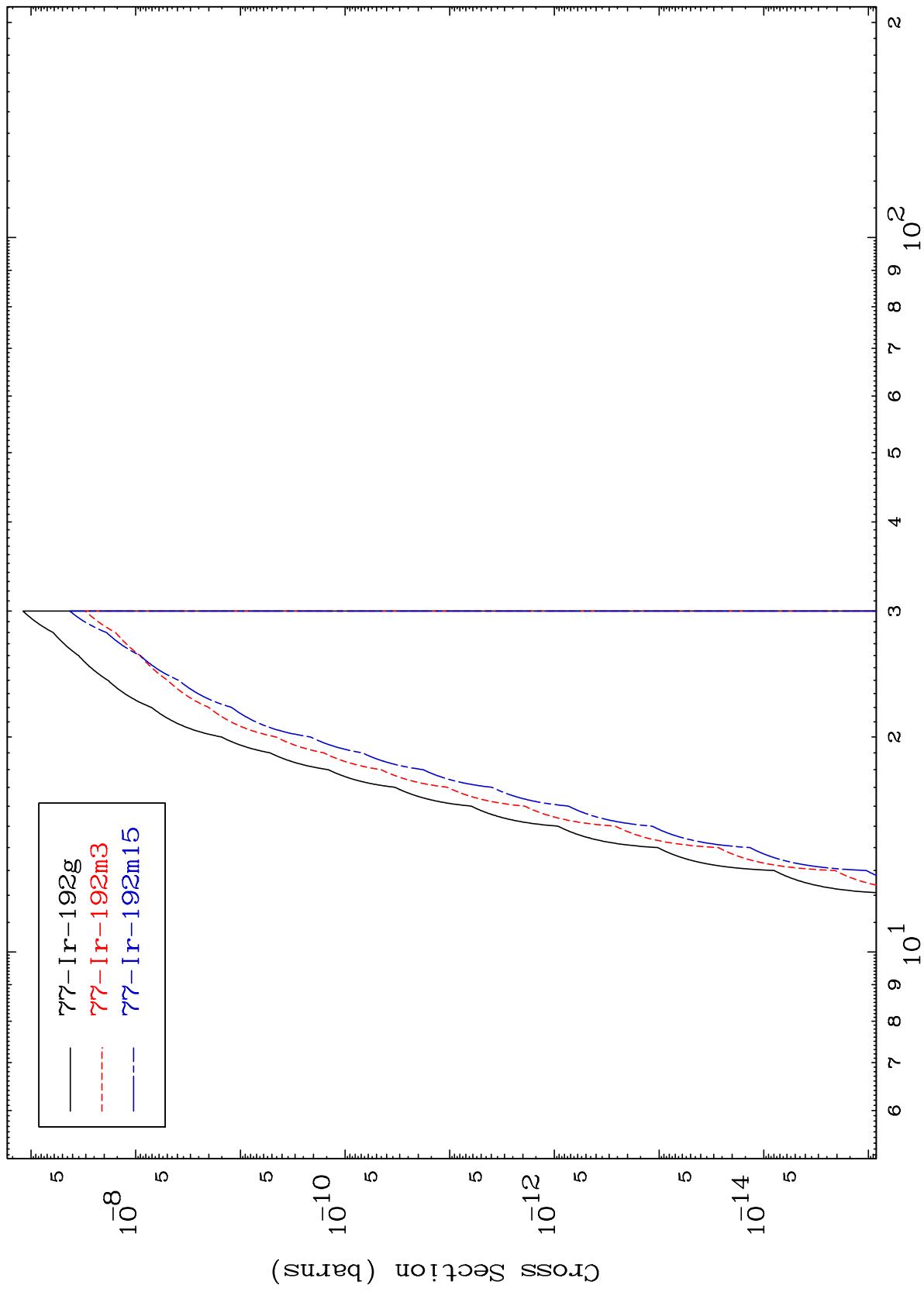
Radionuclide Production Cross Section



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<sup>77</sup>Ir-192n

Radionuclide Production Cross Section (n,p) d



28

Incident Energy (MeV)

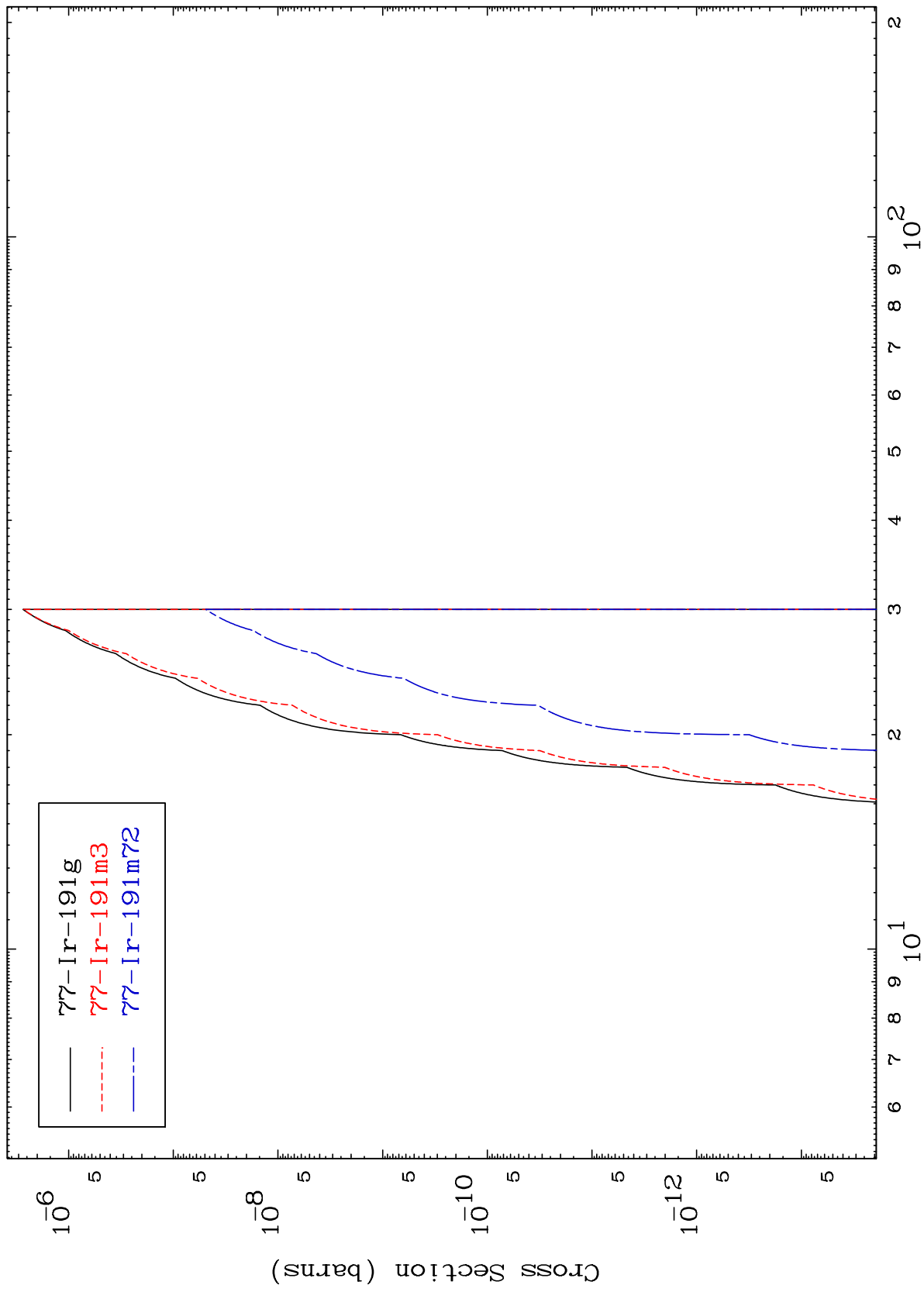
<sup>77</sup>Ir-192n

MAT 7730

(n,p) t

<sup>77</sup>Ir-192n

Radionuclide Production Cross Section



29

Incident Energy (MeV)

<sup>77</sup>Ir-192n

