

Program EVALPLOT  
(Version 2021-1)

by

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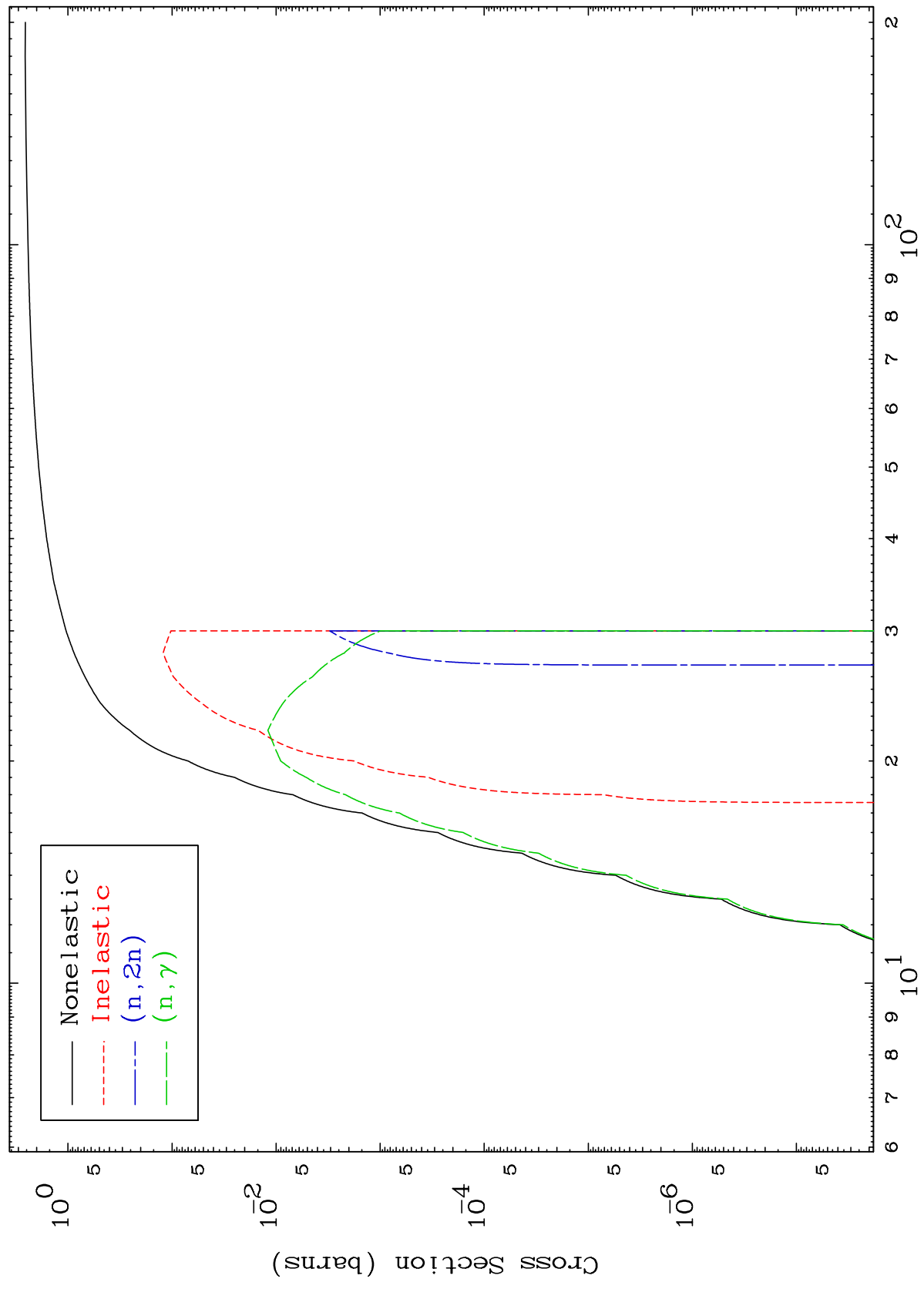
Press Mouse Button to Start

MAT 7672

0 Kelvin

$\alpha$  Major Cross Sections

77-Ir-173m

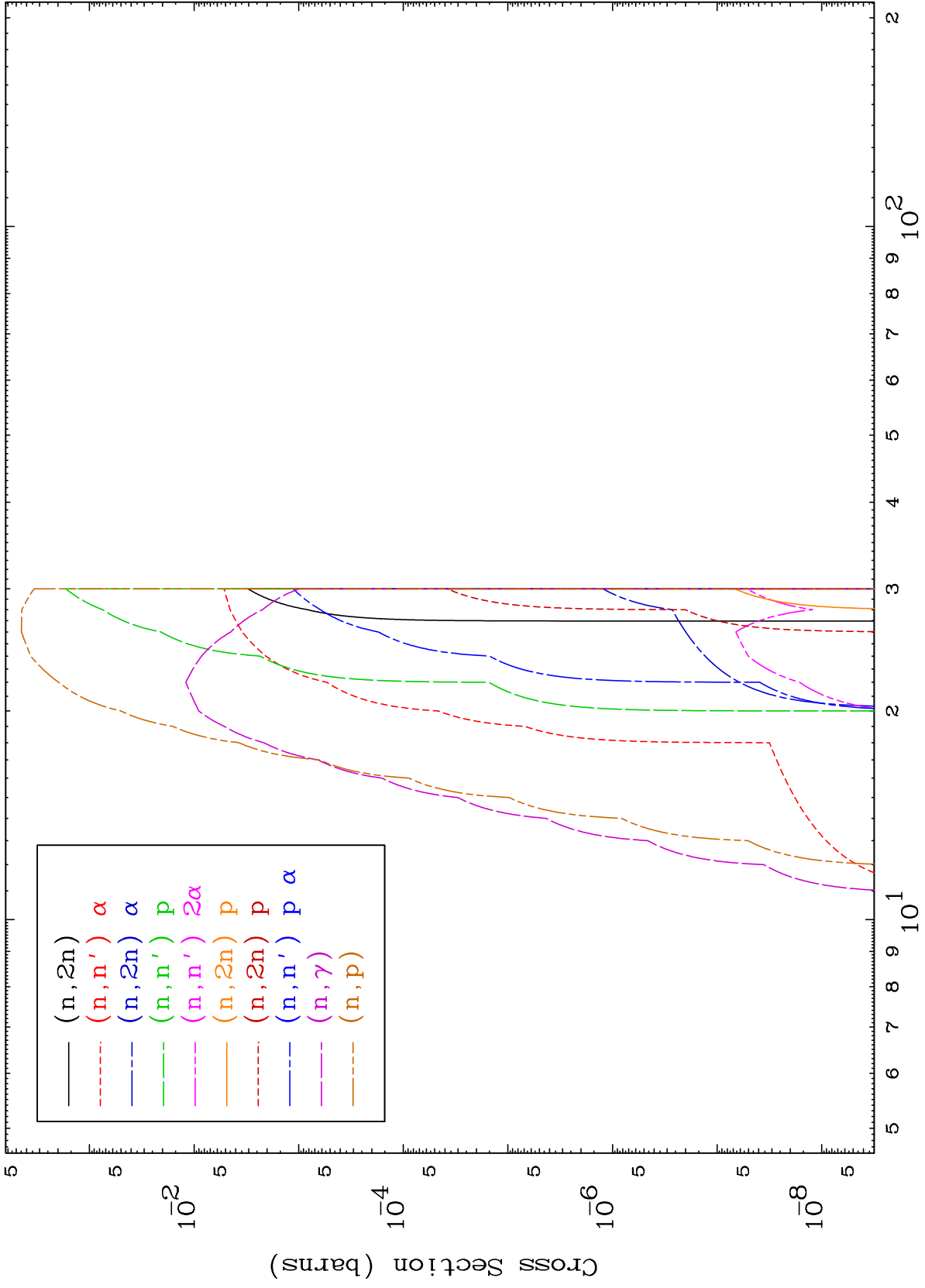


Legend:  
— Nonelastic  
- - - Inelastic  
- - - (n, 2n)  
- - - (n,  $\gamma$ )

MAT 7672

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

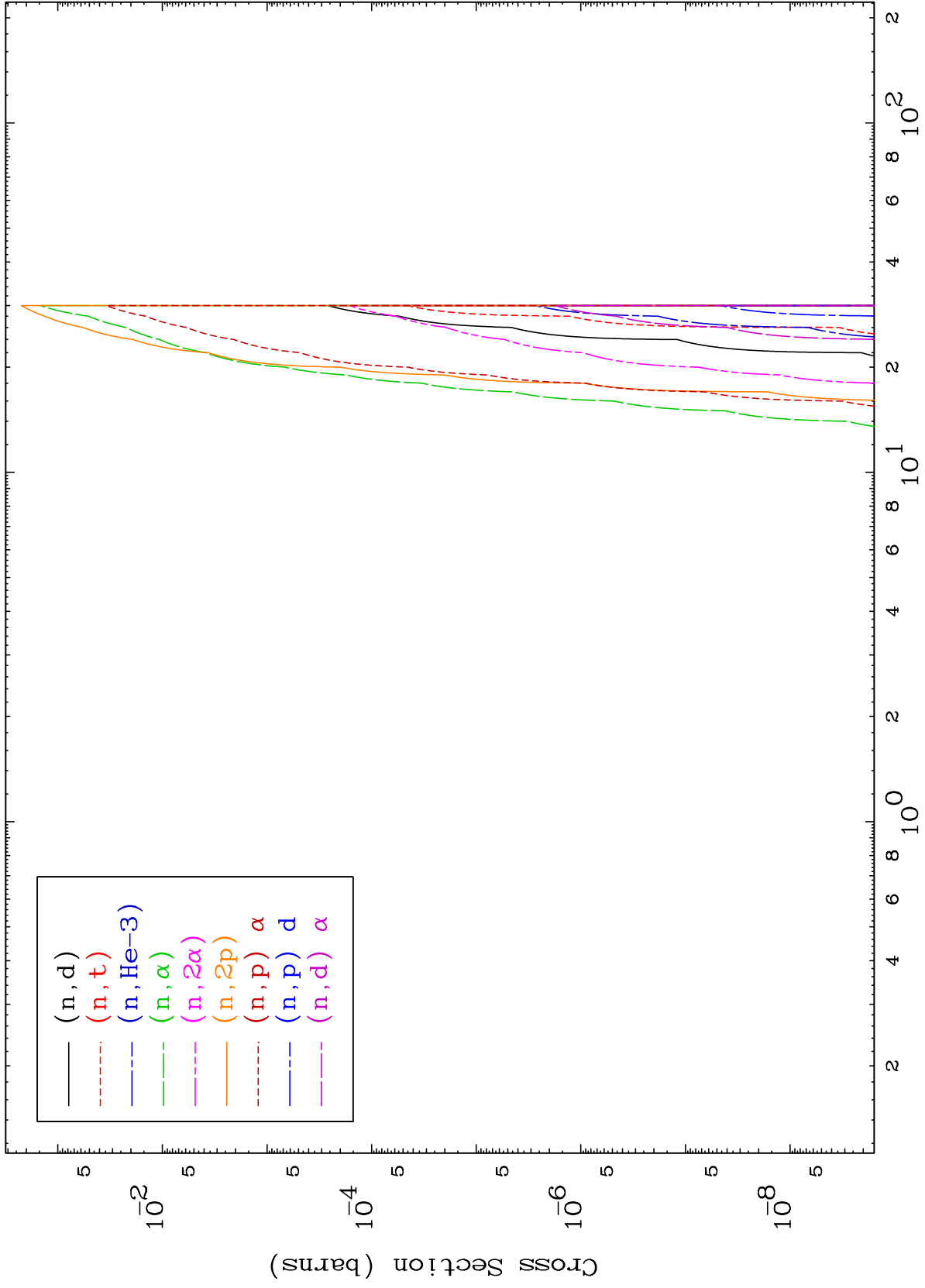
77-Ir-173m



MAT 7672

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

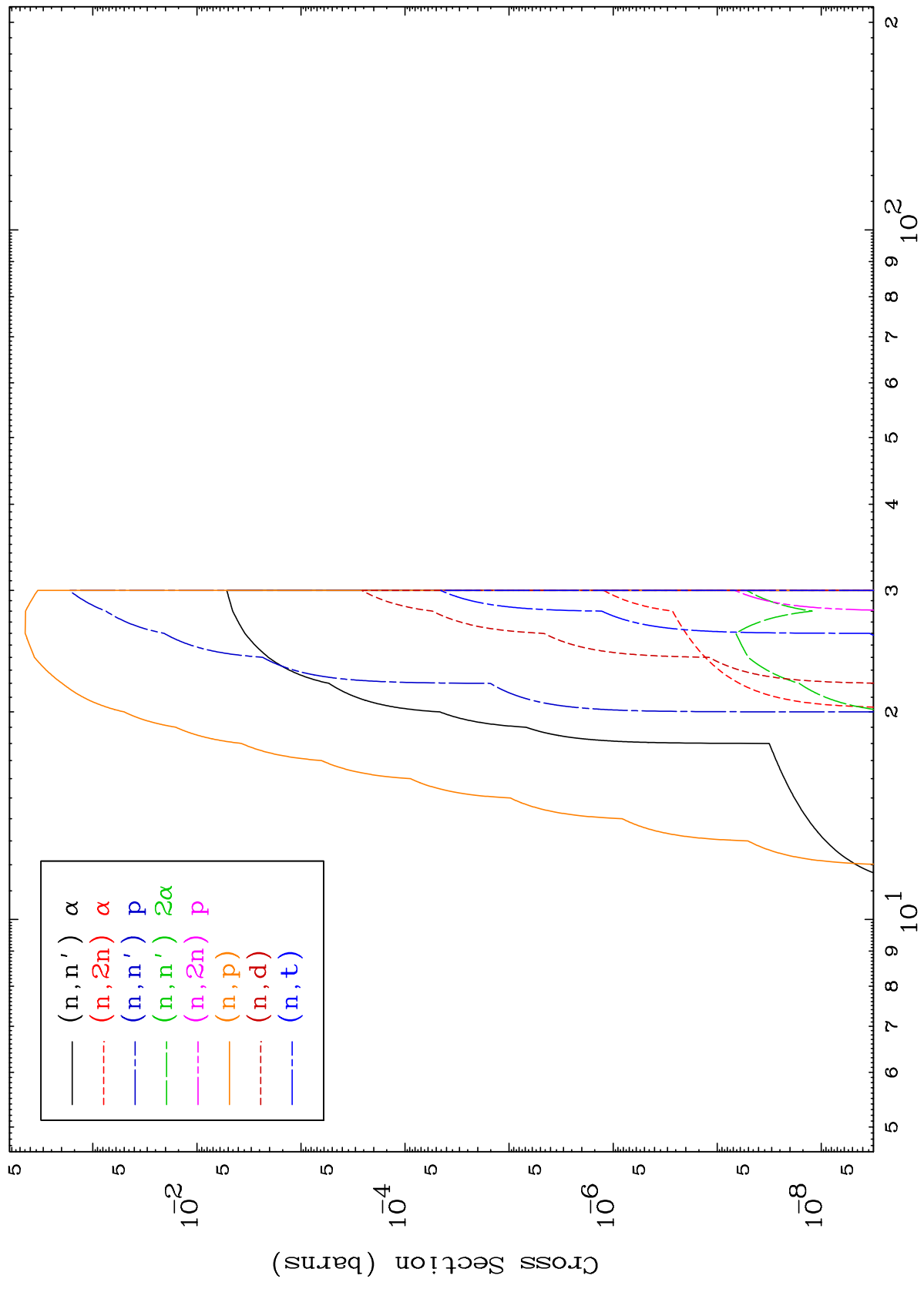
<sup>77</sup>Ir-173m



MAT 7672

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

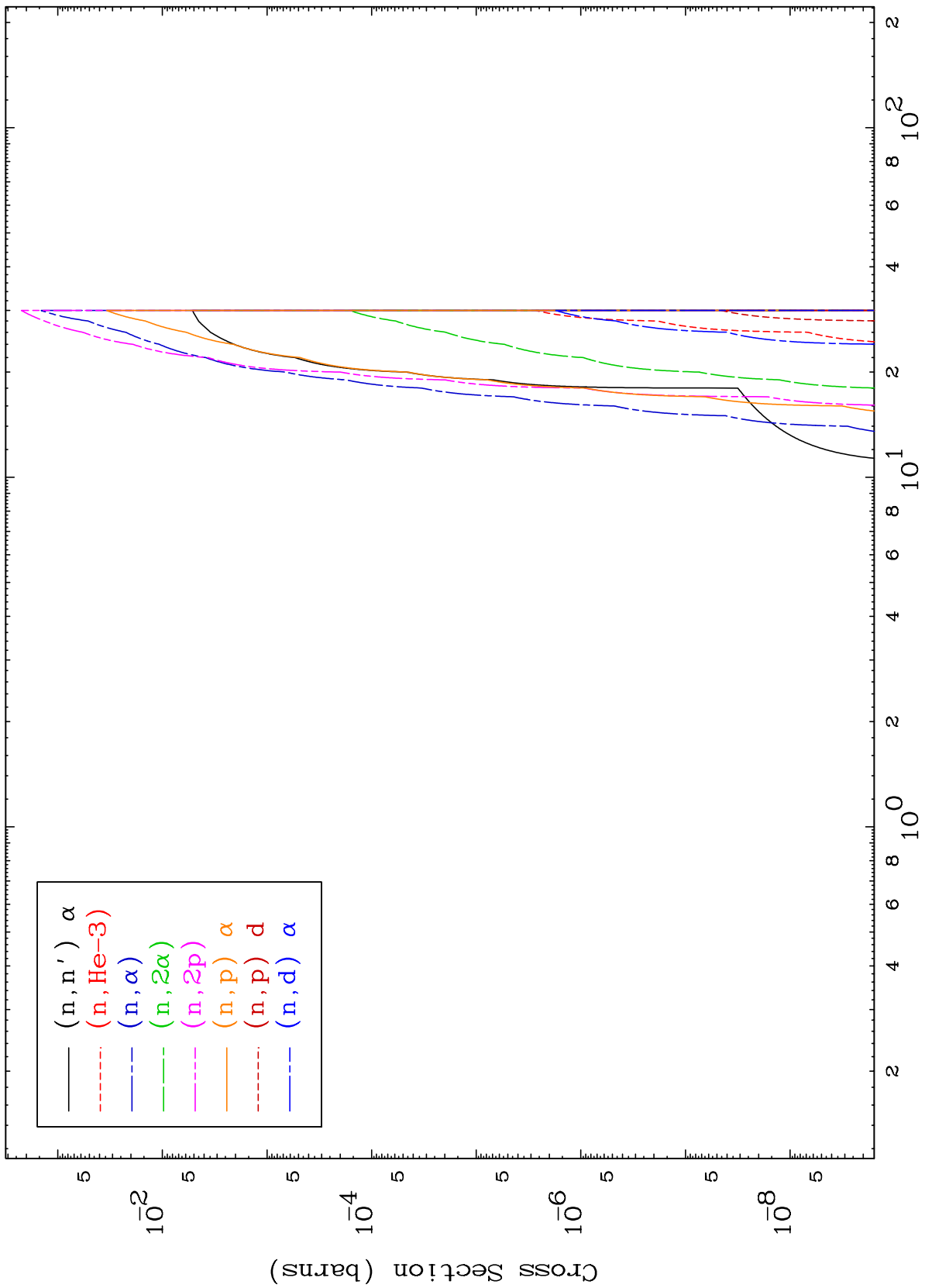
77-Ir-173m



MAT 7672

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

<sup>77</sup>Ir-173m

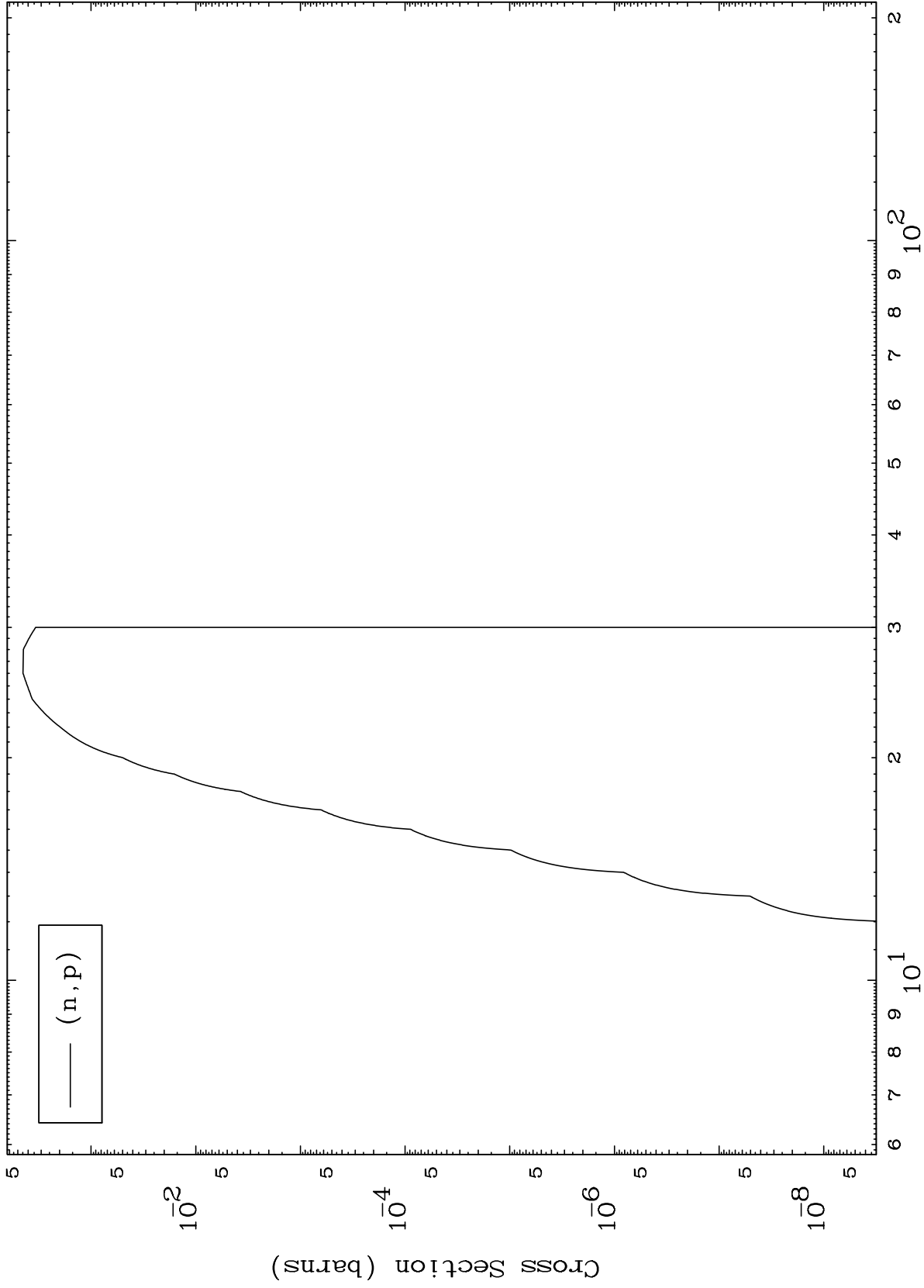


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( $\alpha, p$ ) Levels

<sup>77</sup>Ir-173m

0 Kelvin Cross Sections



6

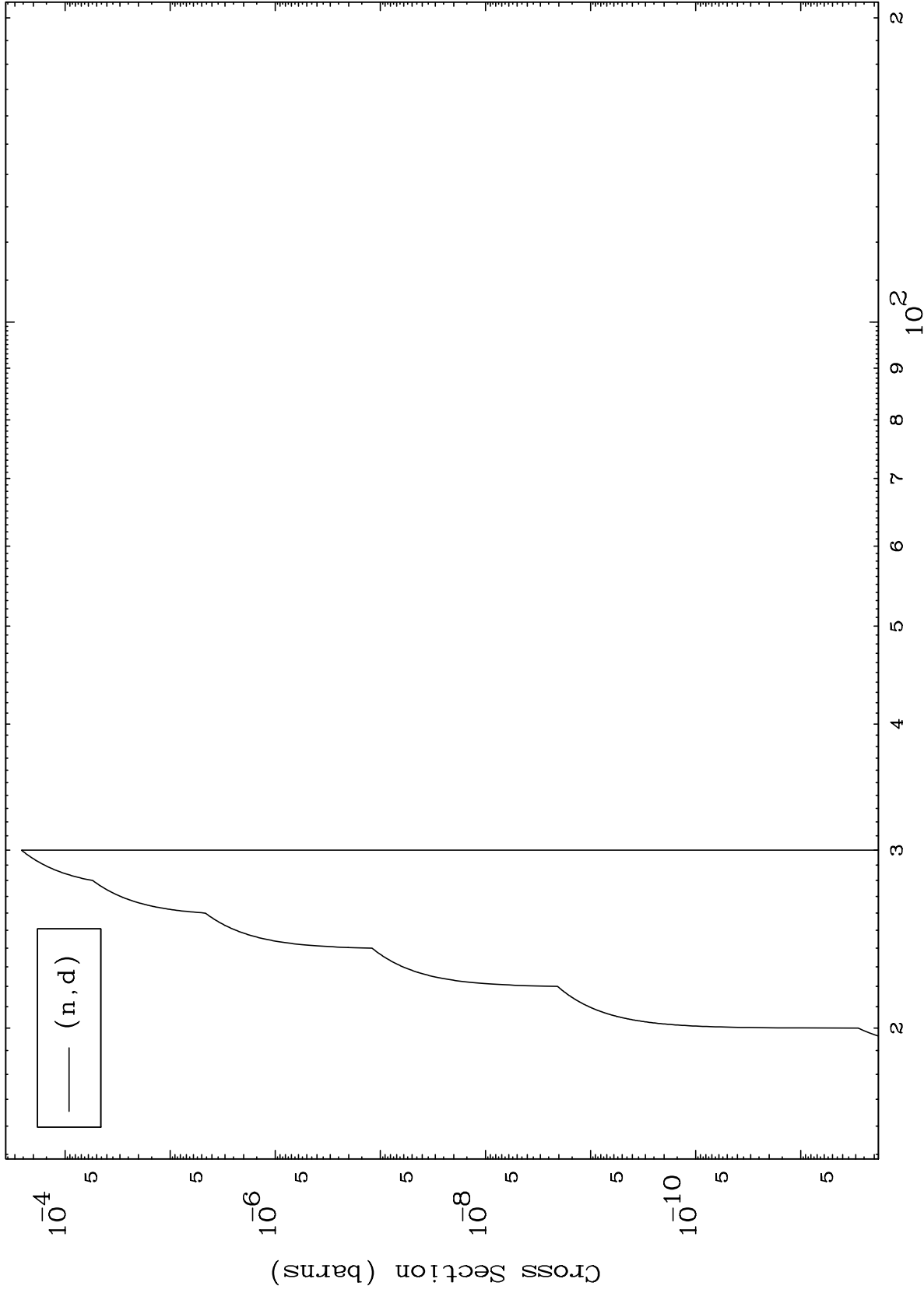
Incident Energy (MeV)

<sup>77</sup>Ir-173m

MAT 7672

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

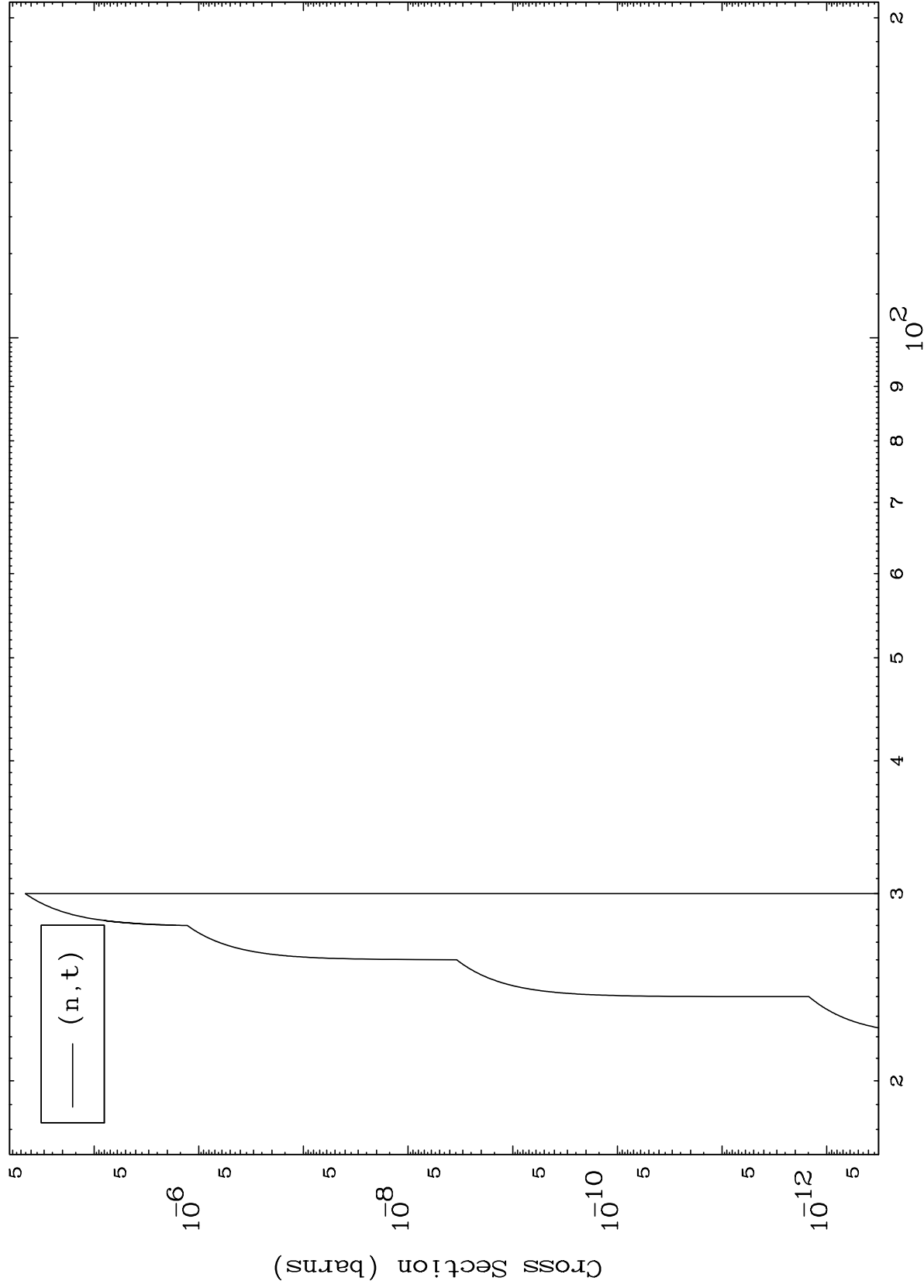
77-Ir-173m



MAT 7672

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

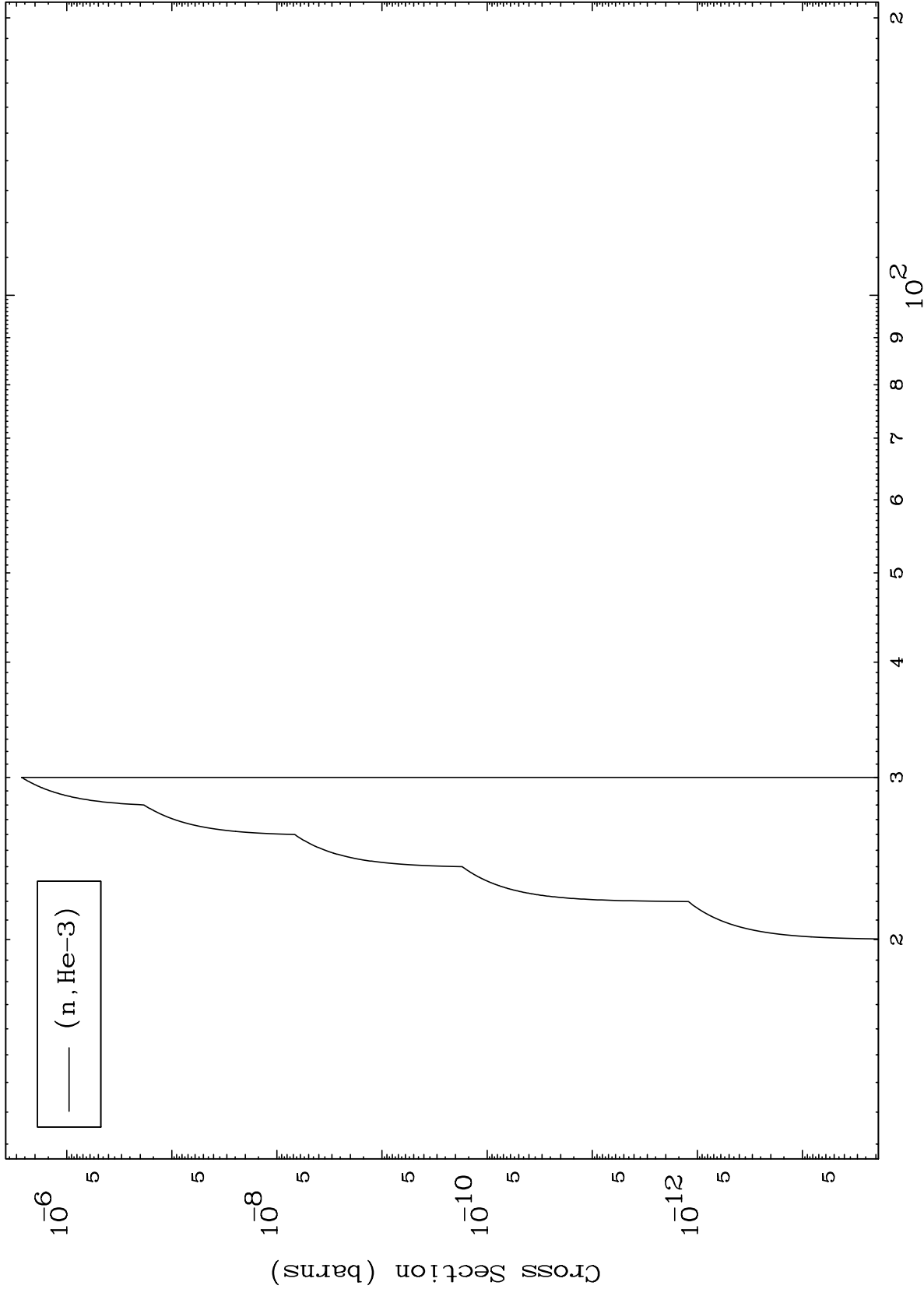
77-Ir-173m



8

Incident Energy (MeV)

77-Ir-173m

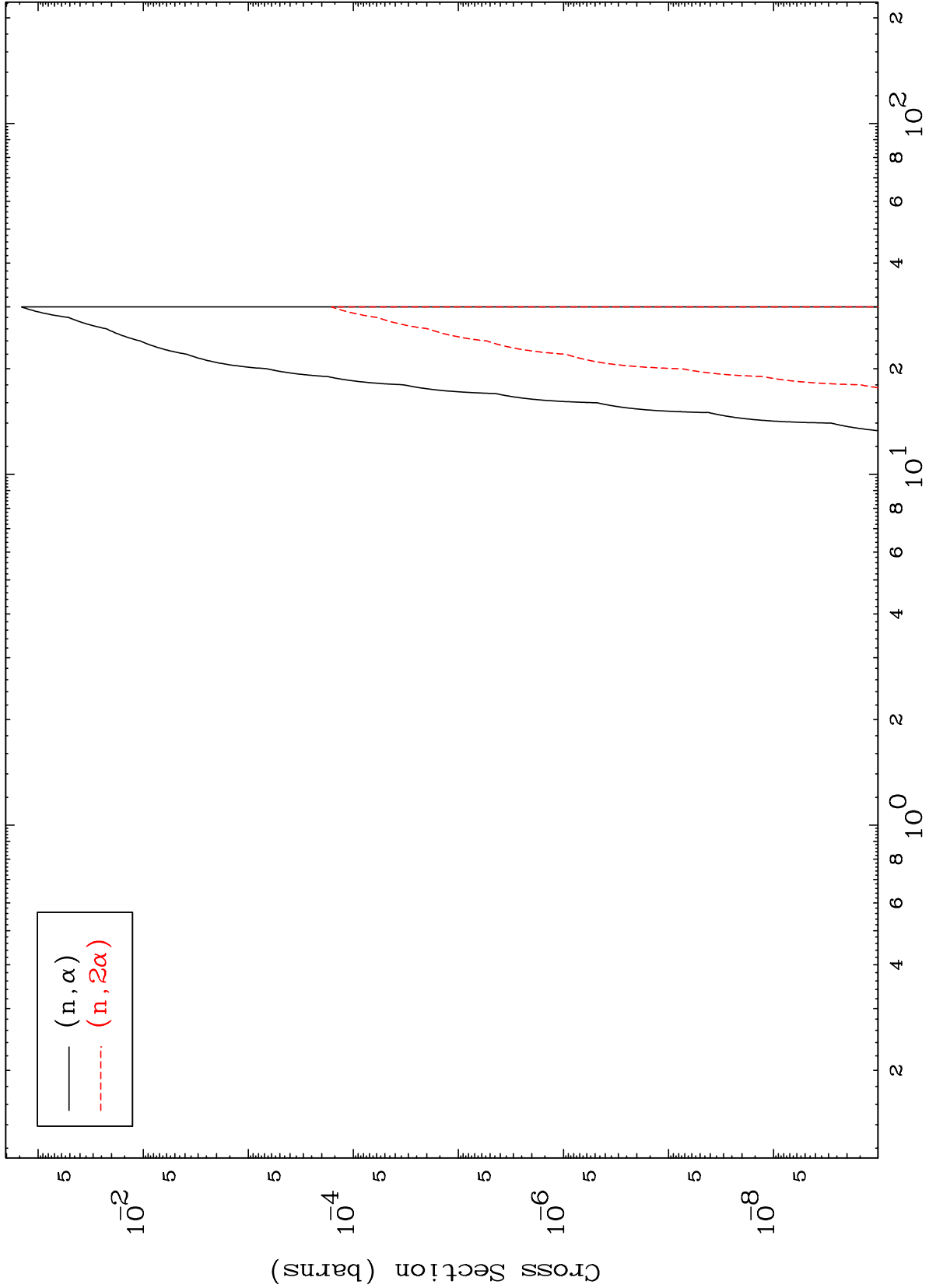


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( $\alpha, \alpha$ ) Levels

<sup>77</sup>Ir-173m

0 Kelvin Cross Sections



— (n, α)  
- - - (n, 2α)

10

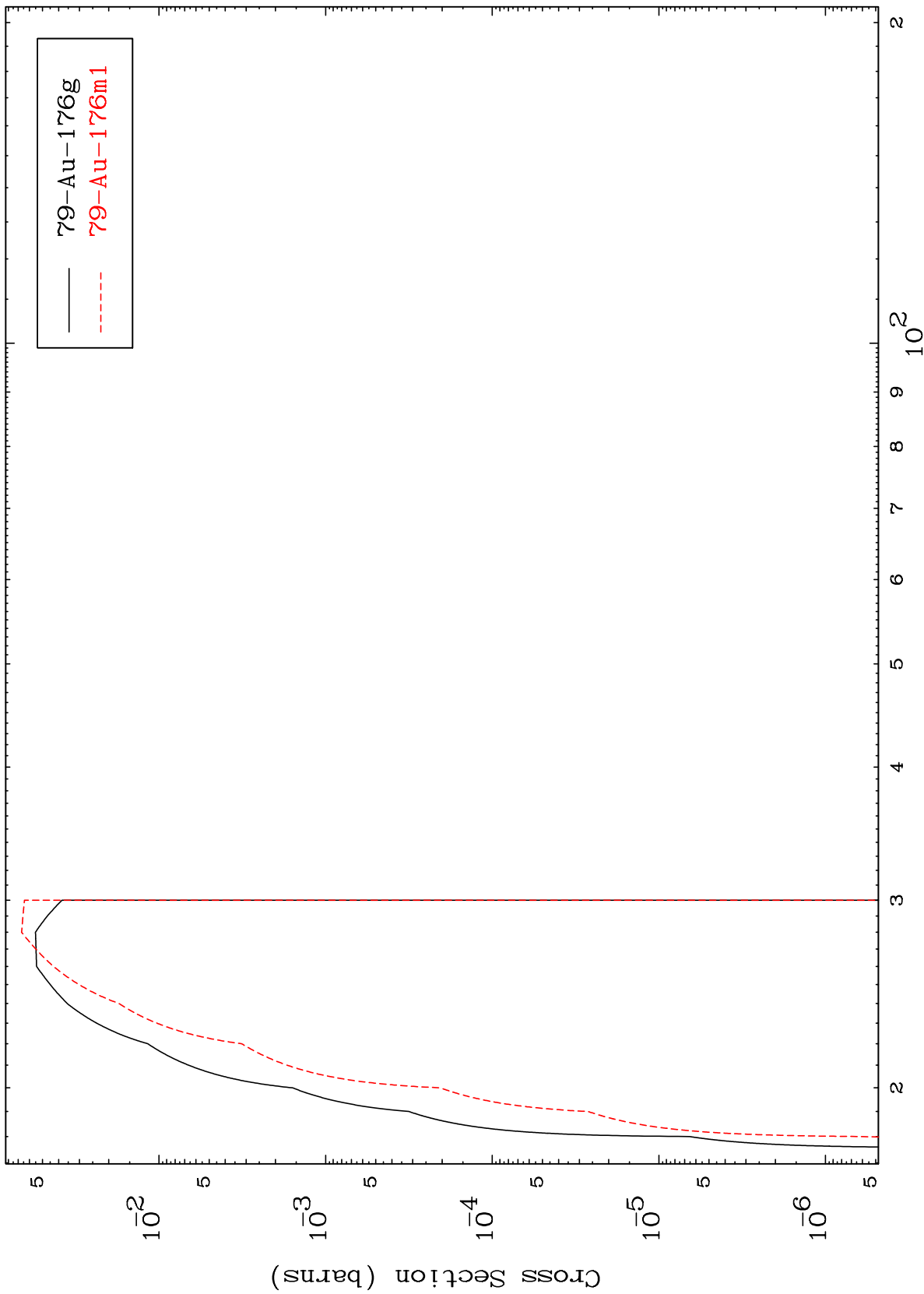
Incident Energy (MeV)

<sup>77</sup>Ir-173m

MAT 7672

77-Ir-173m

Inelastic  
Radionuclide Production Cross Section



11

77-Ir-173m

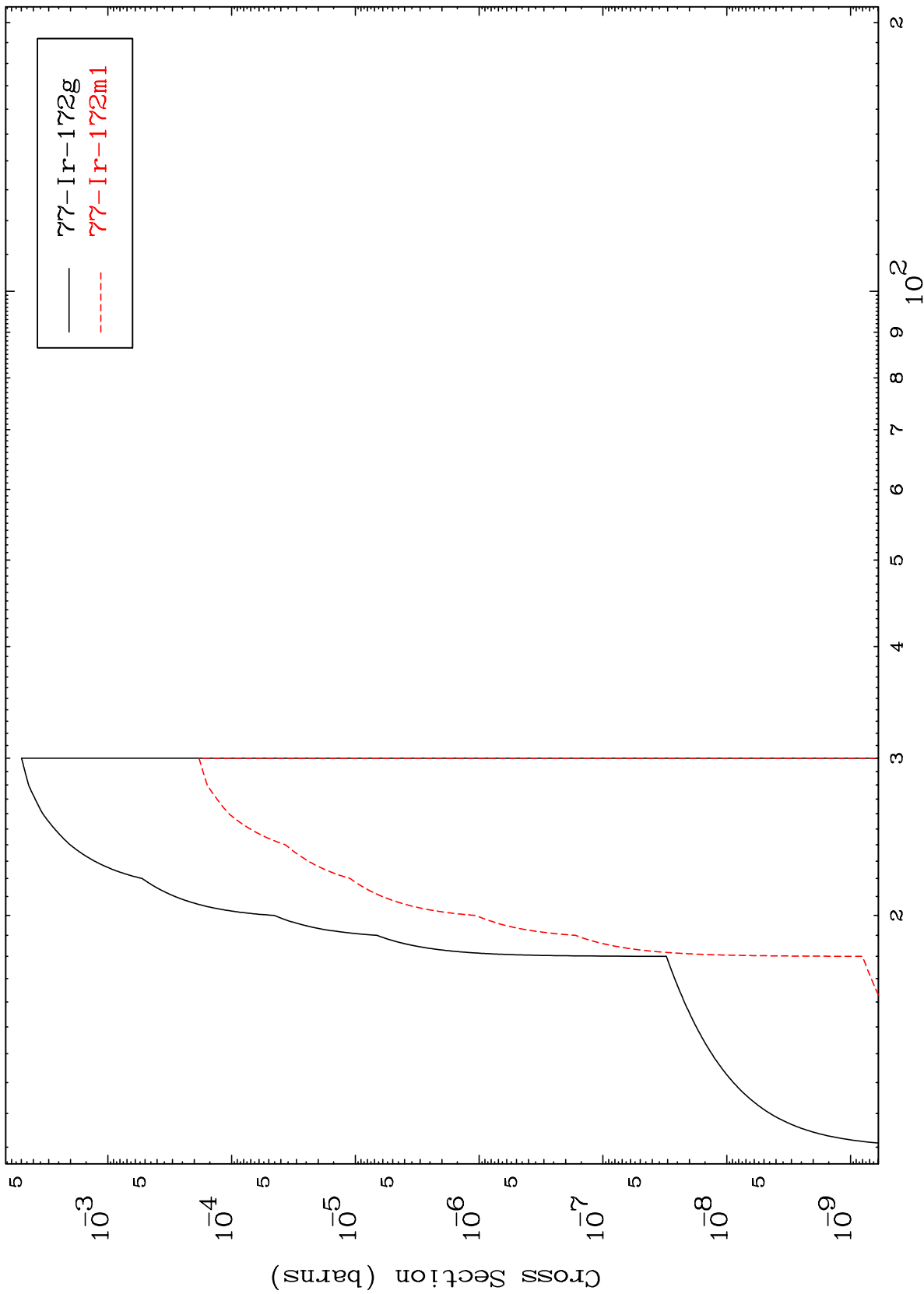
Incident Energy (MeV)

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$(n, n') \alpha$

$^{77}\text{Ir}-173\text{m}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

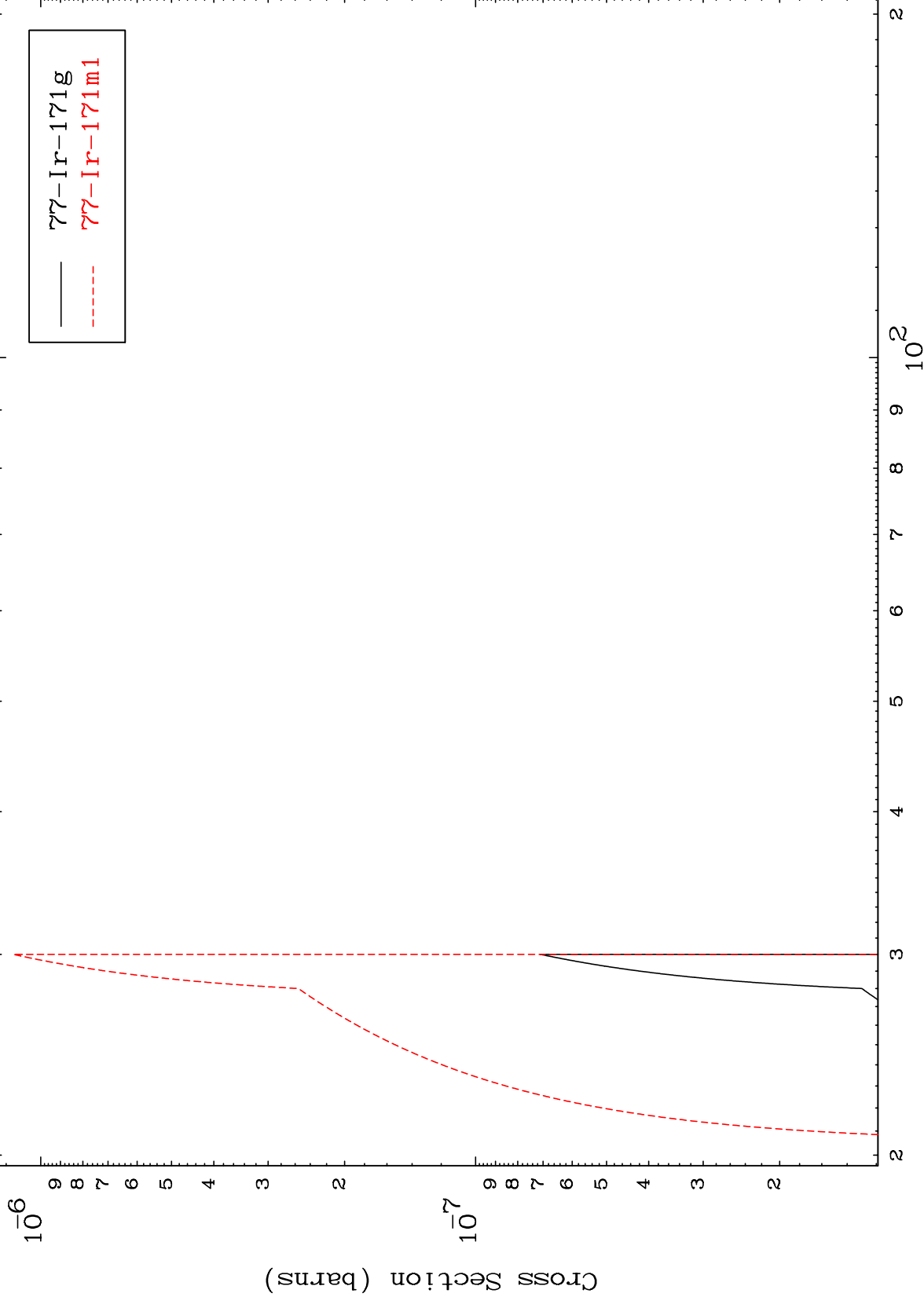
$^{77}\text{Ir}-173\text{m}$

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$(n,2n) \alpha$

$^{77}\text{Ir}-173\text{m}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

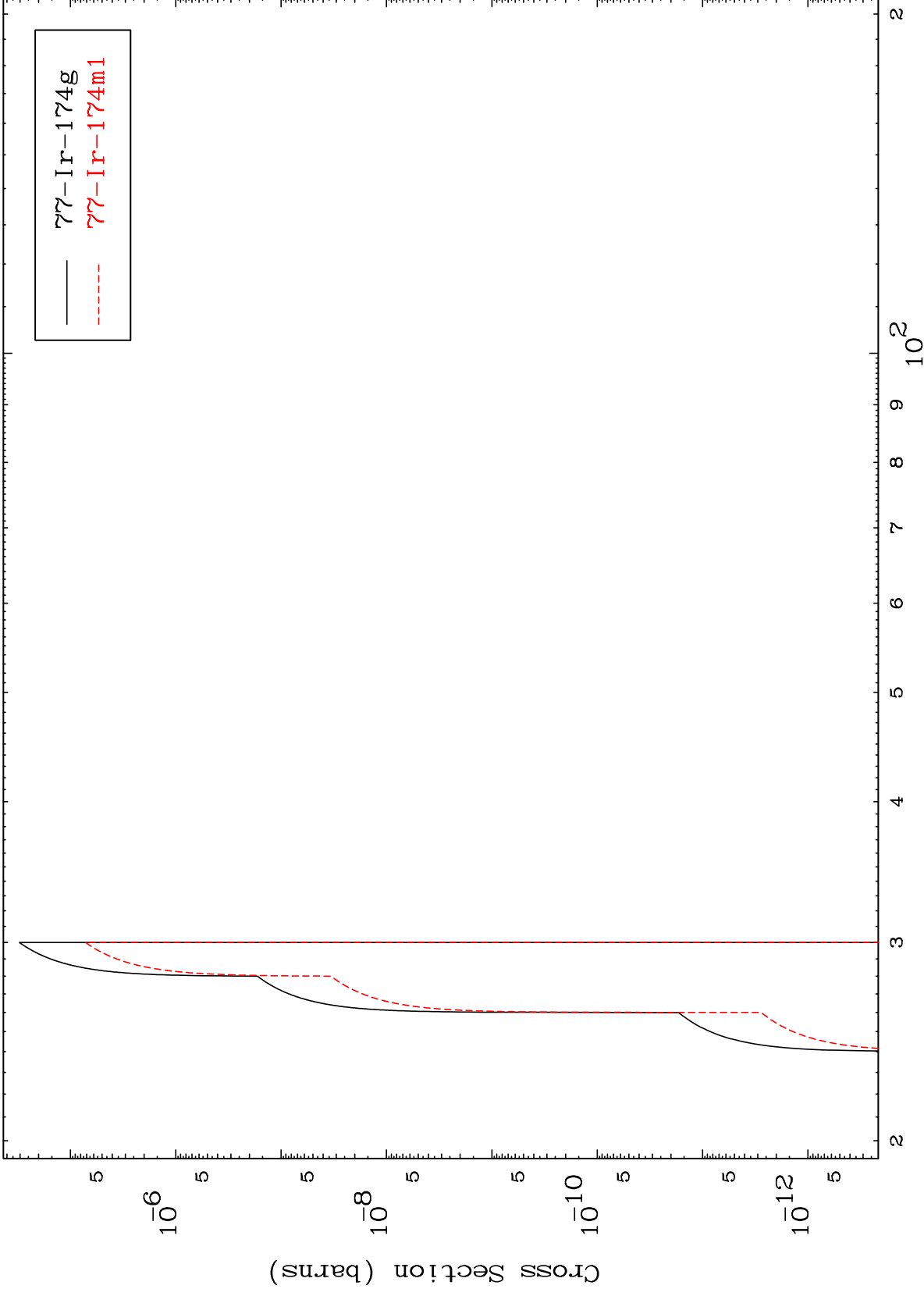
$^{77}\text{Ir}-173\text{m}$

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(n,2n) p

<sup>77</sup>Ir-173m

Radionuclide Production Cross Section



14

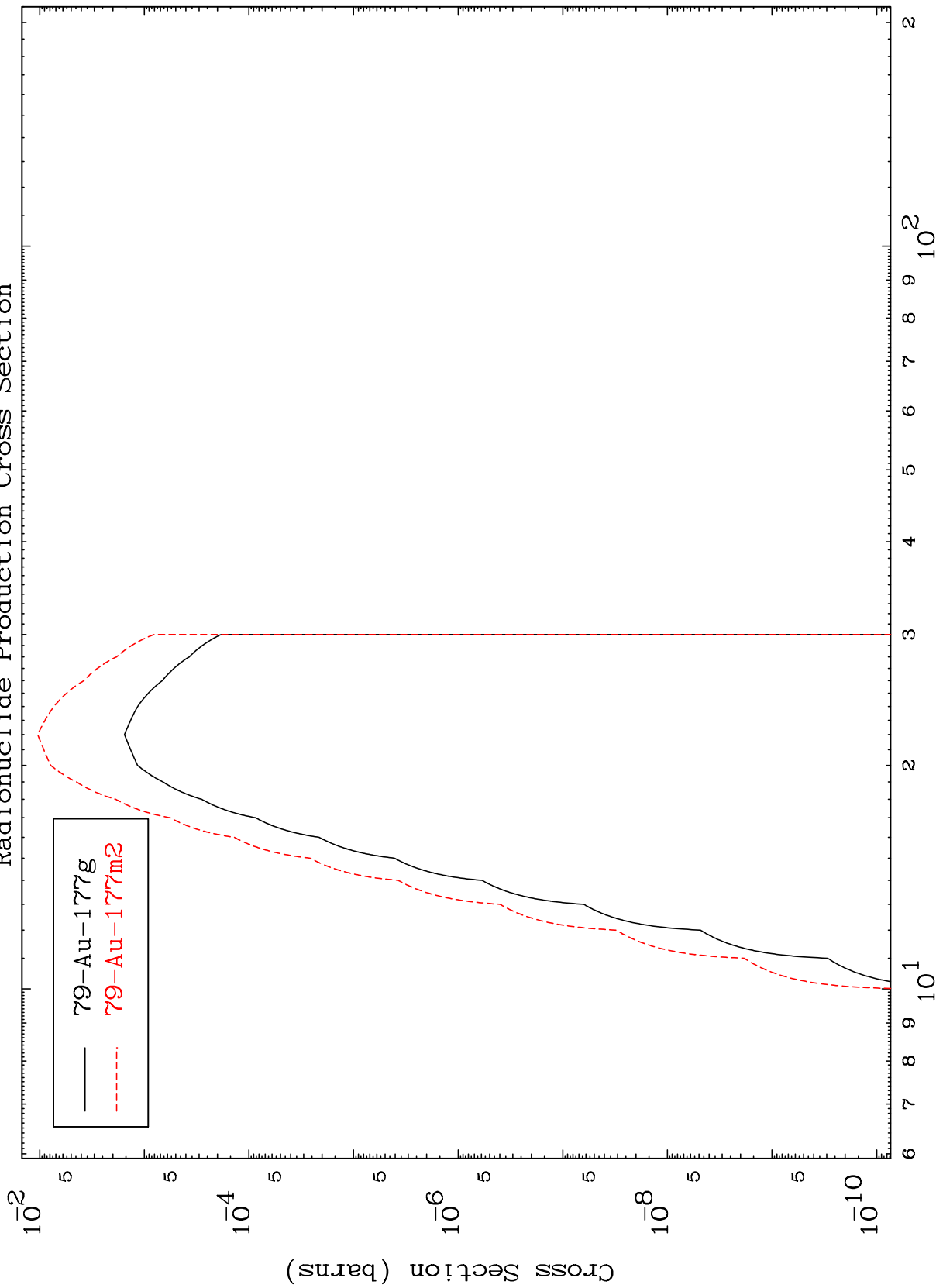
Incident Energy (MeV)

<sup>77</sup>Ir-173m

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<sup>77</sup>Ir-173m

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>77</sup>Ir-173m

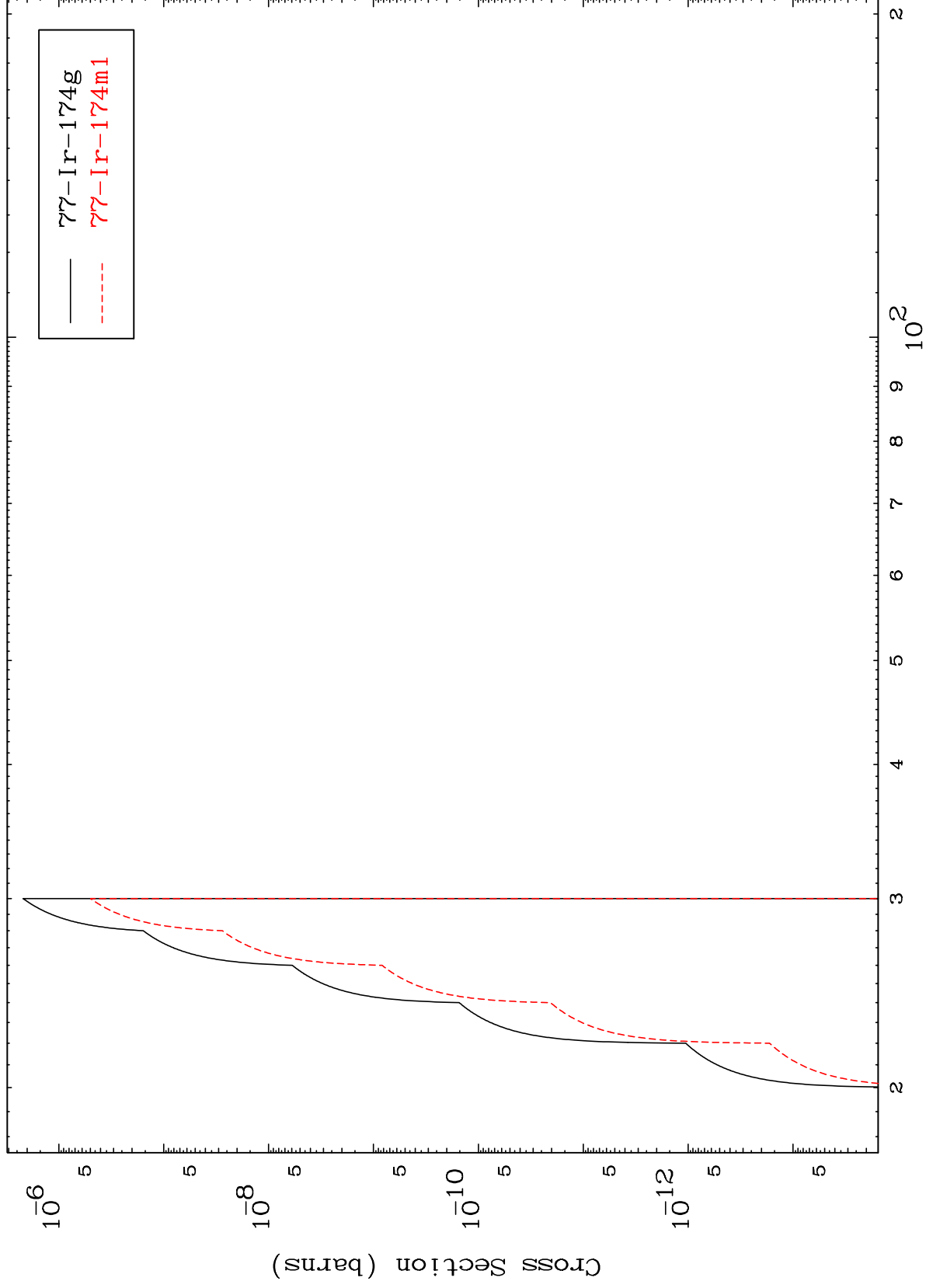
15

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(n,He-3)

<sup>77</sup>Ir-173m

Radionuclide Production Cross Section



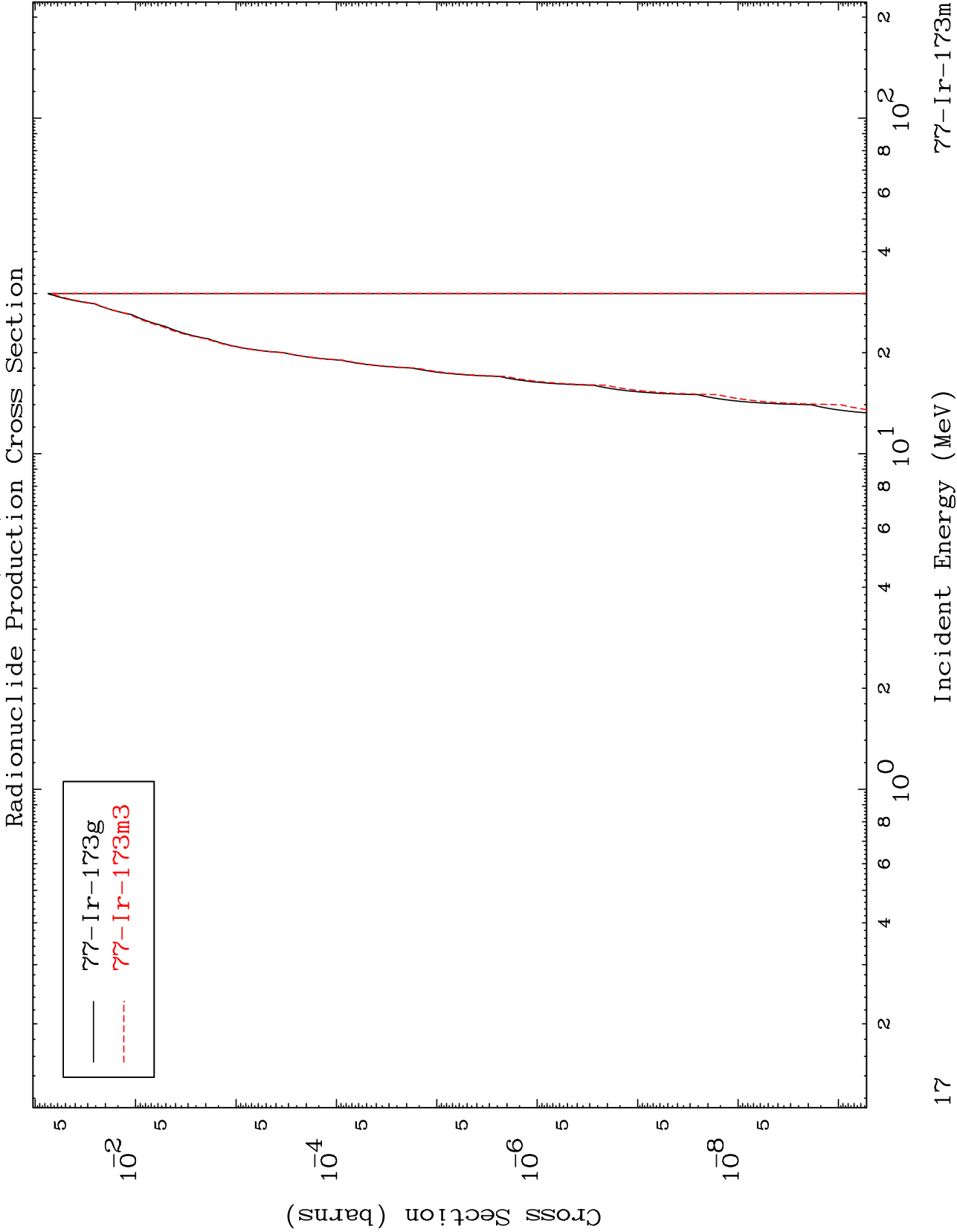
16

Incident Energy (MeV)

<sup>77</sup>Ir-173m

MAT 7672

<sup>77</sup>Ir-<sup>173</sup>m



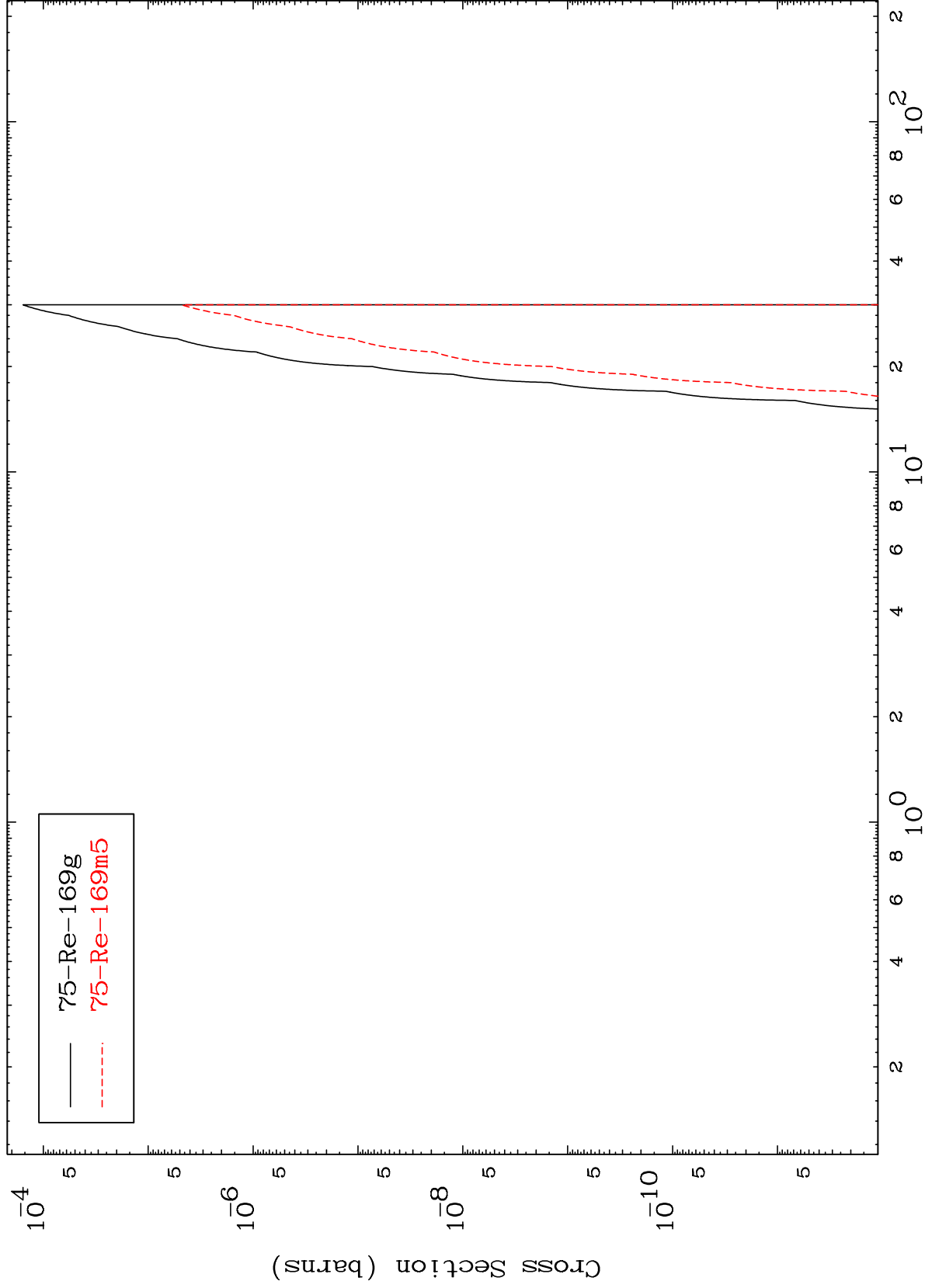
— <sup>77</sup>Ir-<sup>173</sup>g  
- - - <sup>77</sup>Ir-<sup>173</sup>m3

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(n,2α)

<sup>77</sup>Ir-173m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

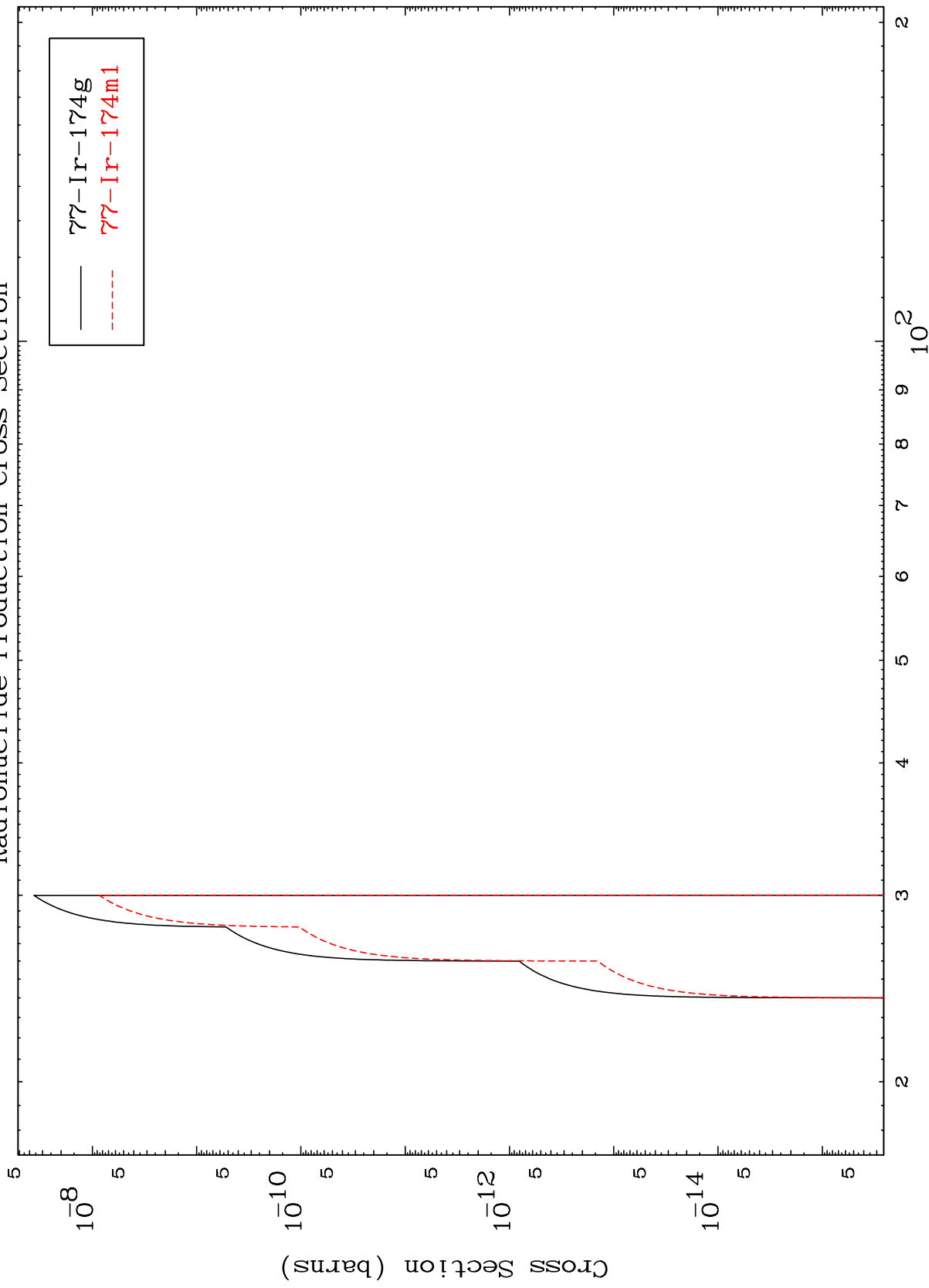
<sup>77</sup>Ir-173m

MAT 7672

(n,p) d

<sup>77</sup>Ir-173m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

<sup>77</sup>Ir-173m