

Program EVALPLOT
(Version 2021-1)

by

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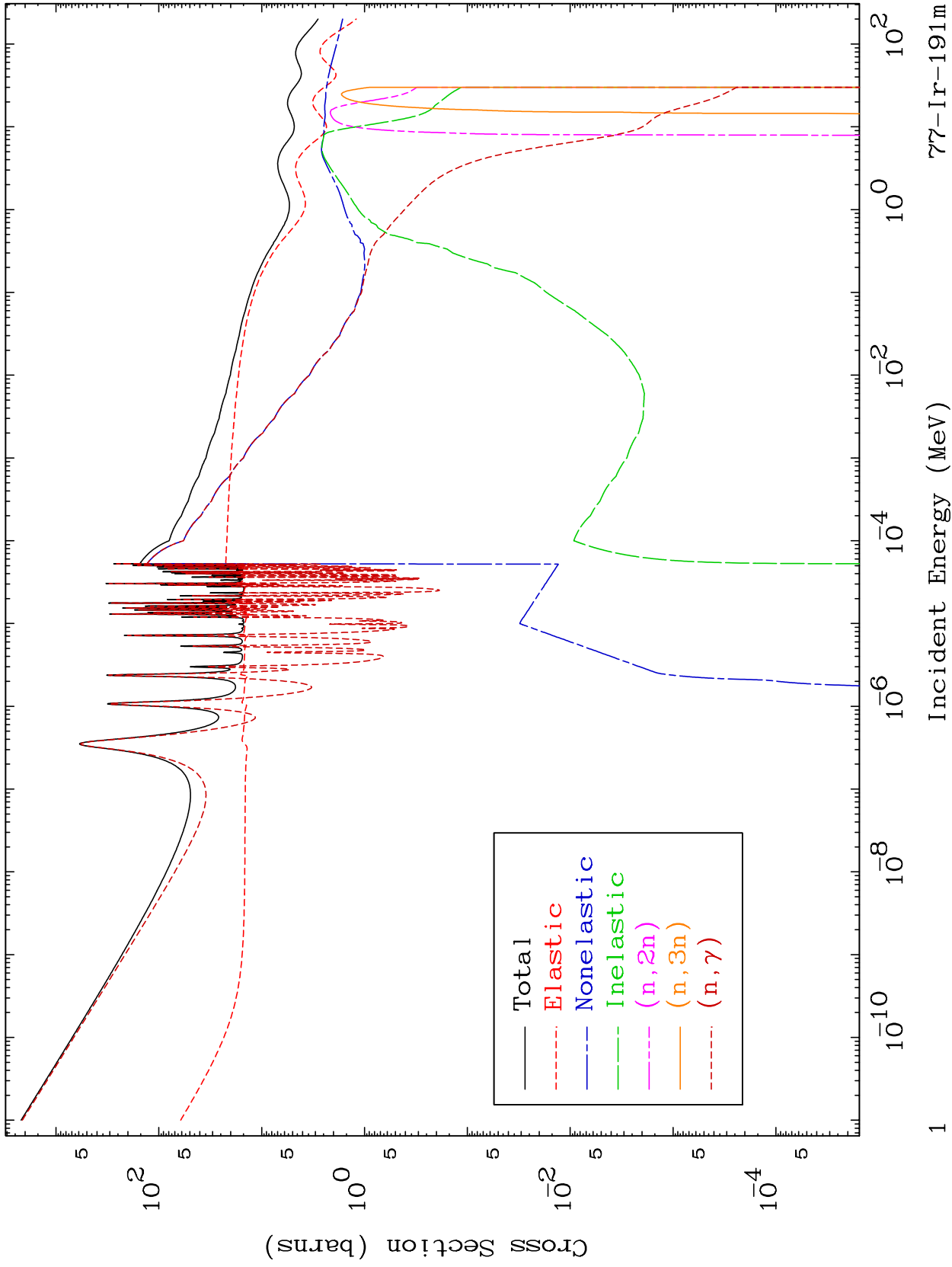
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7726

Neutron Major
293 Kelvin Cross Sections

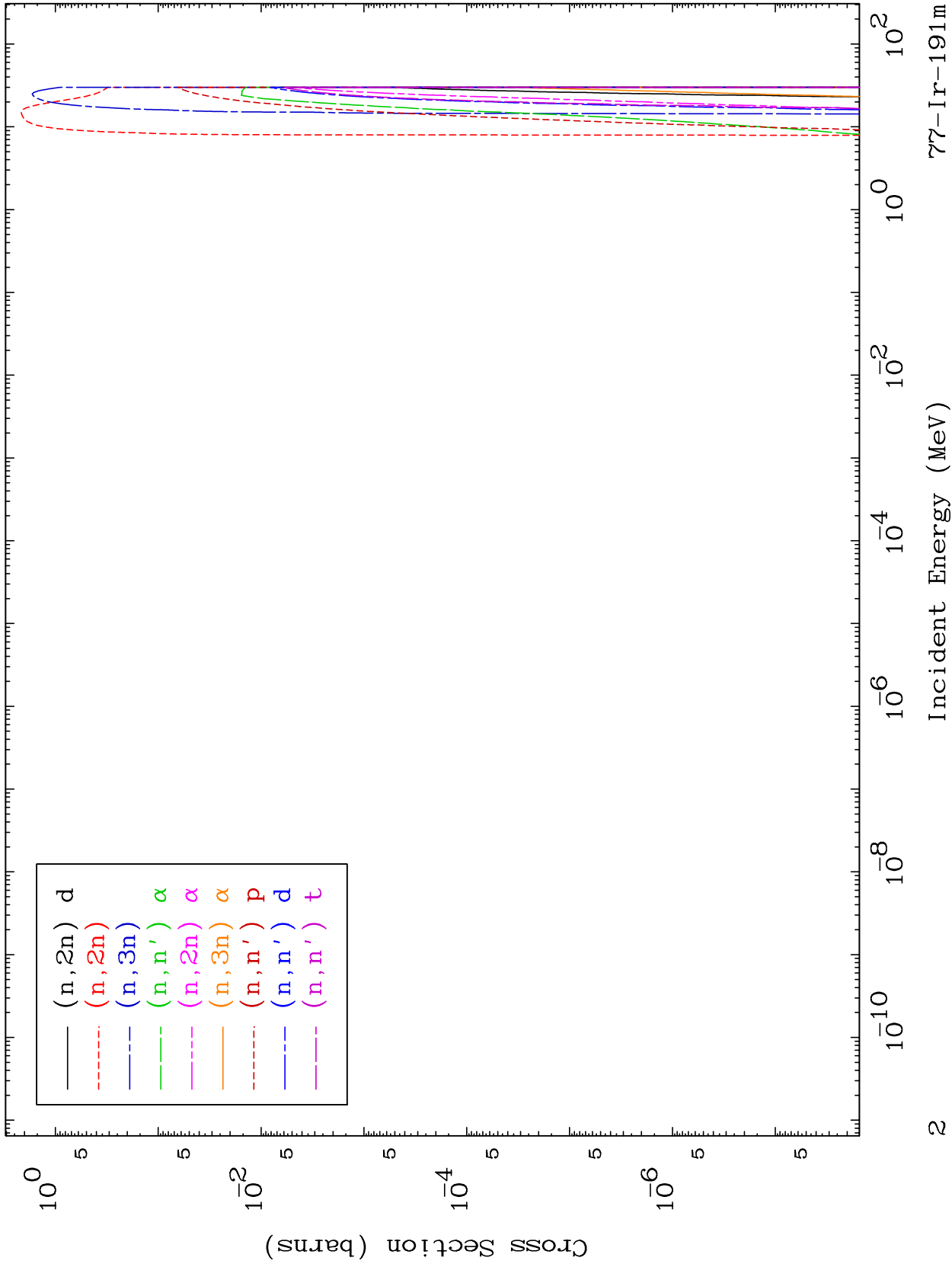
77-Ir-191m



MAT 7726

Neutron Absorption
293 Kelvin Cross Sections

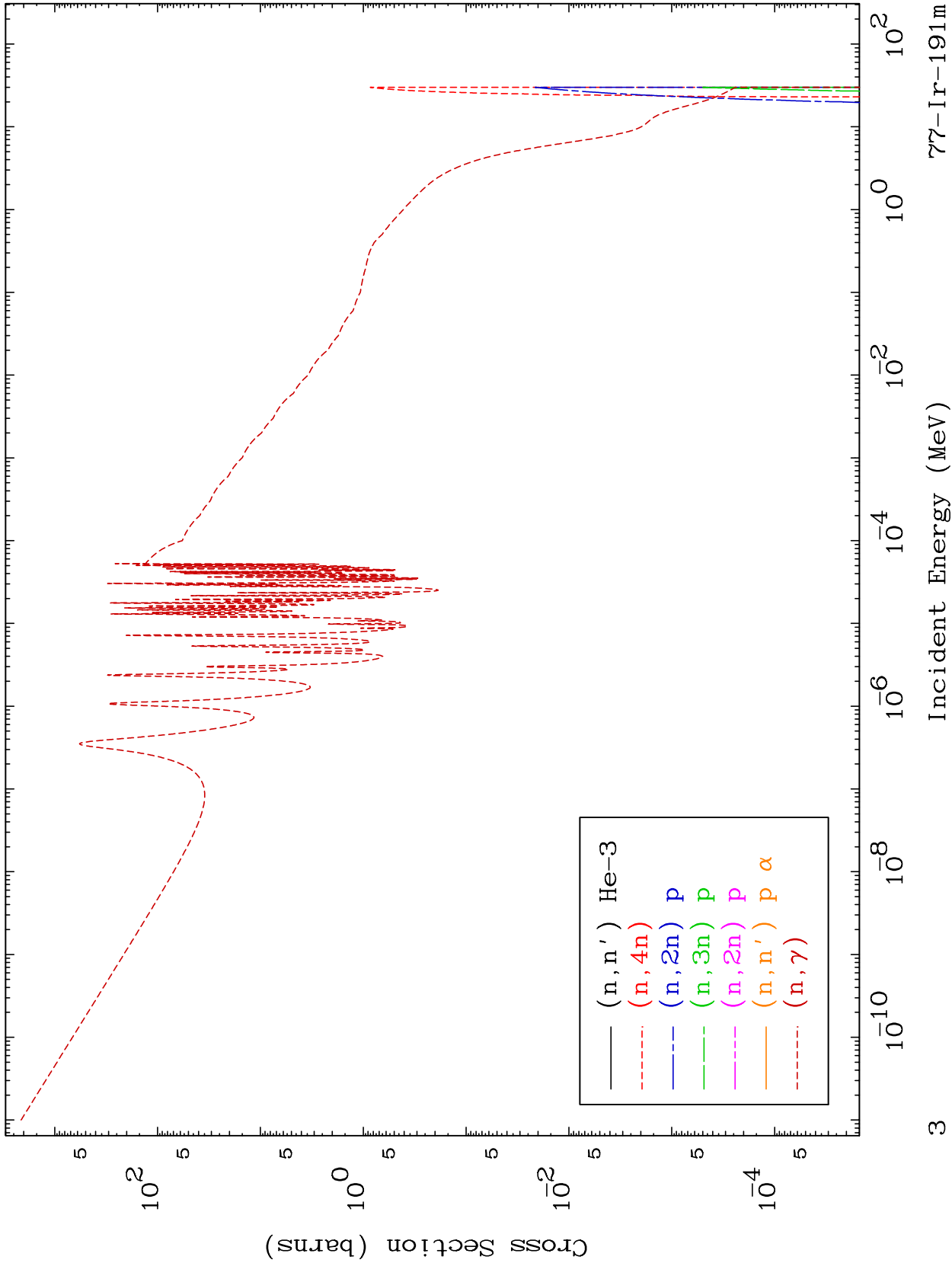
77-Ir-191m



MAT 7726

Neutron Absorption
293 Kelvin Cross Sections

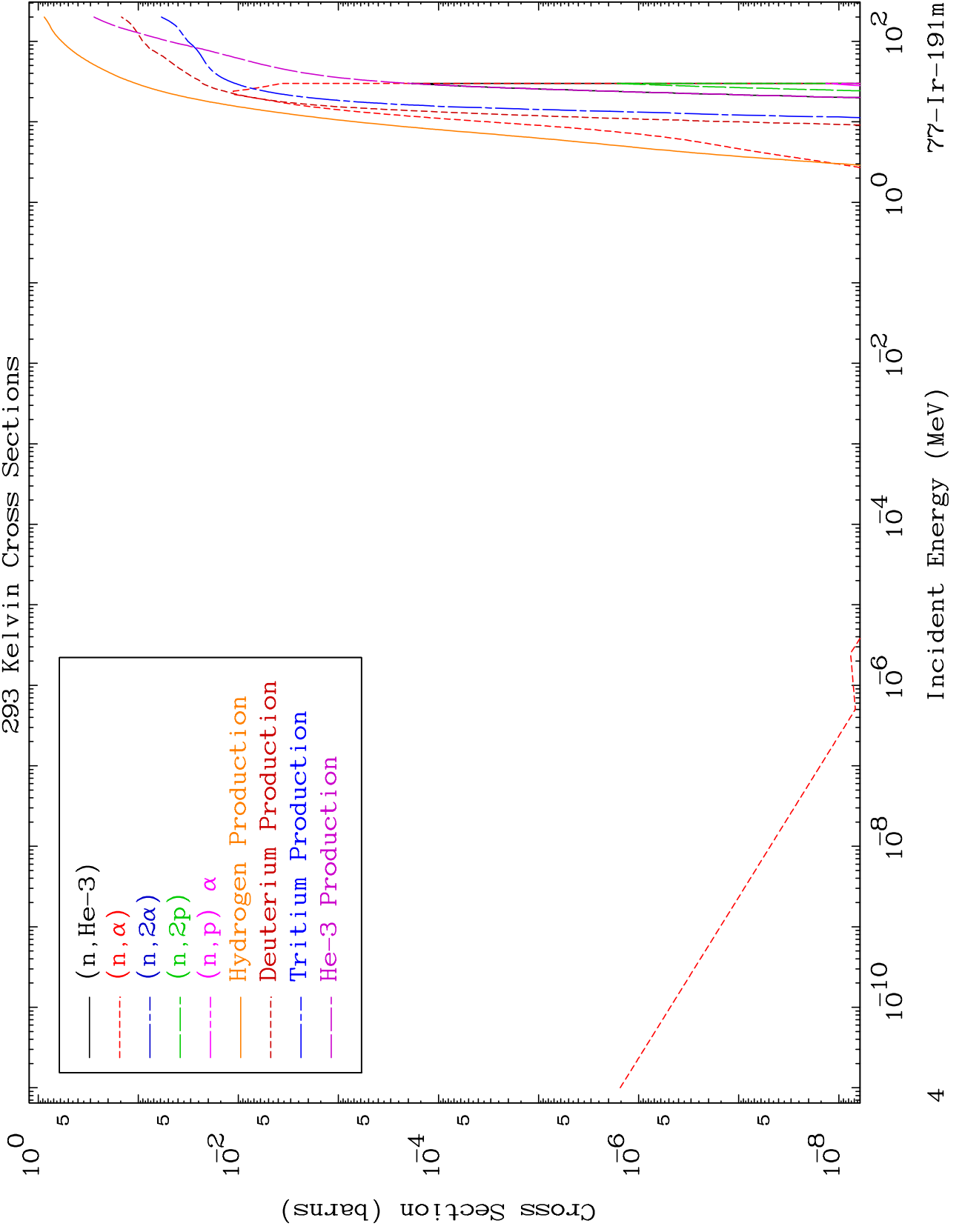
77-Ir-191m



MAT 7726

Neutron Absorption
293 Kelvin Cross Sections

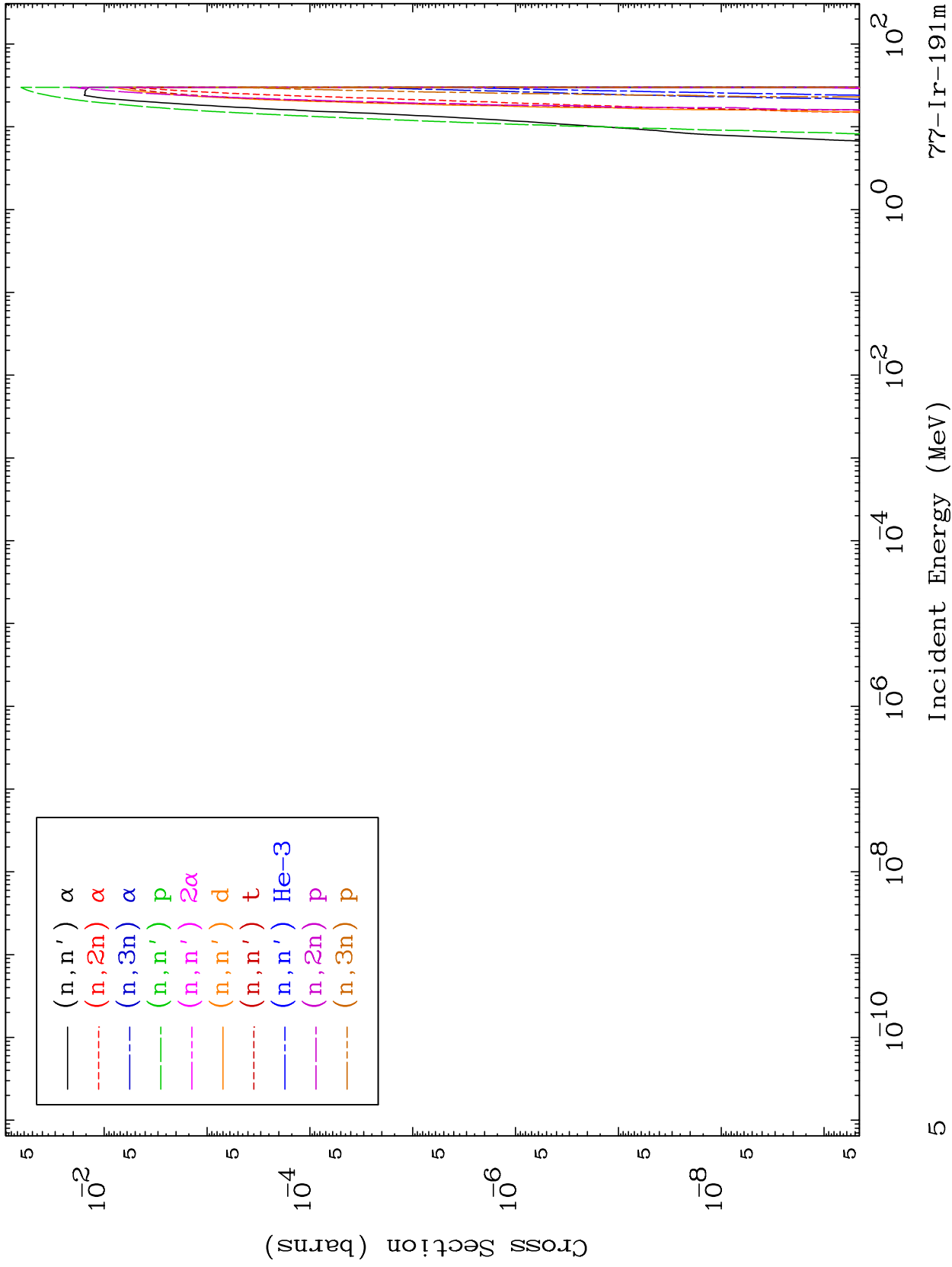
77-Ir-191m



MAT 7726

Charged Particle
293 Kelvin Cross Sections

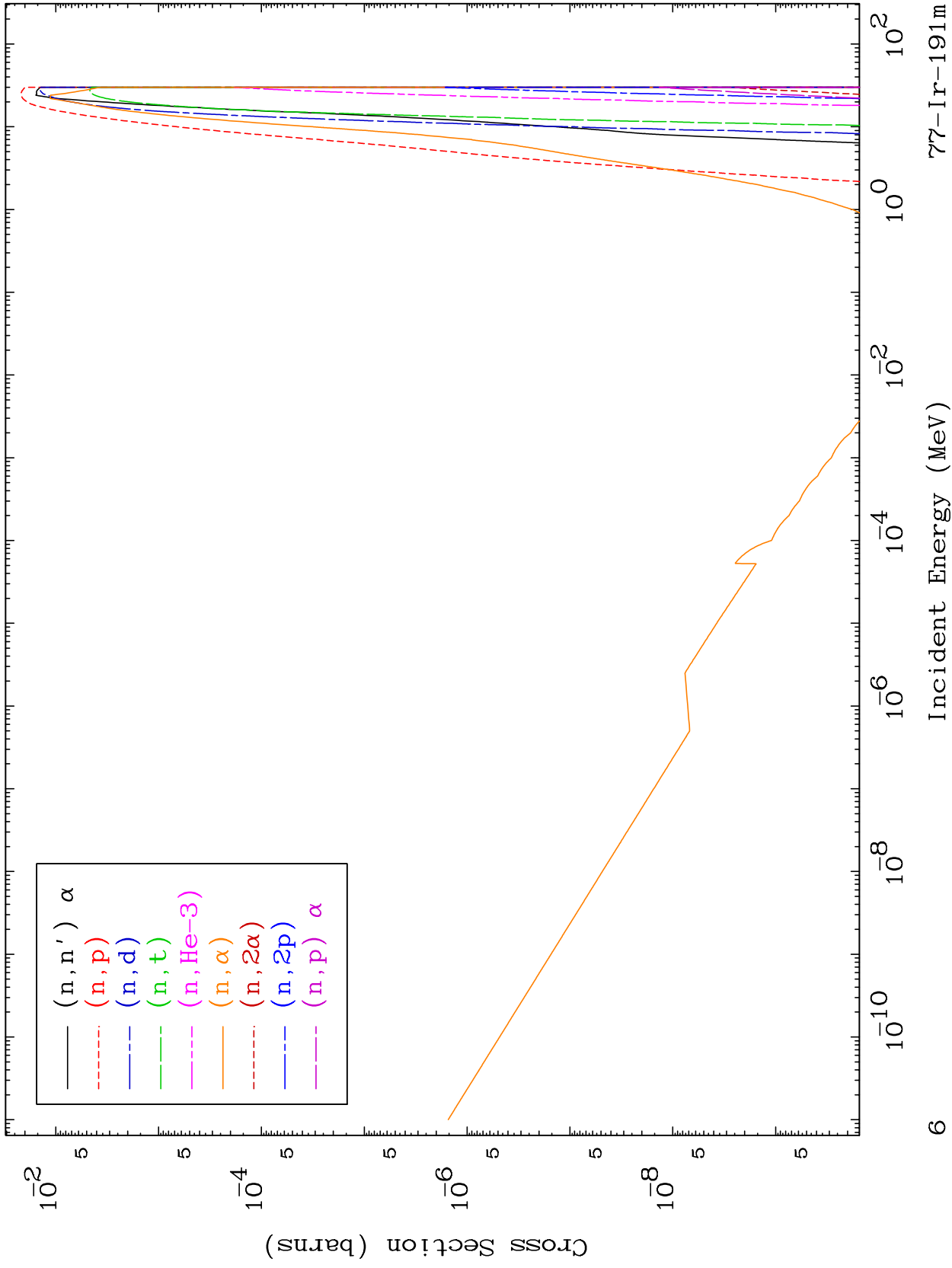
77-Ir-191m



MAT 7726

Charged Particle
293 Kelvin Cross Sections

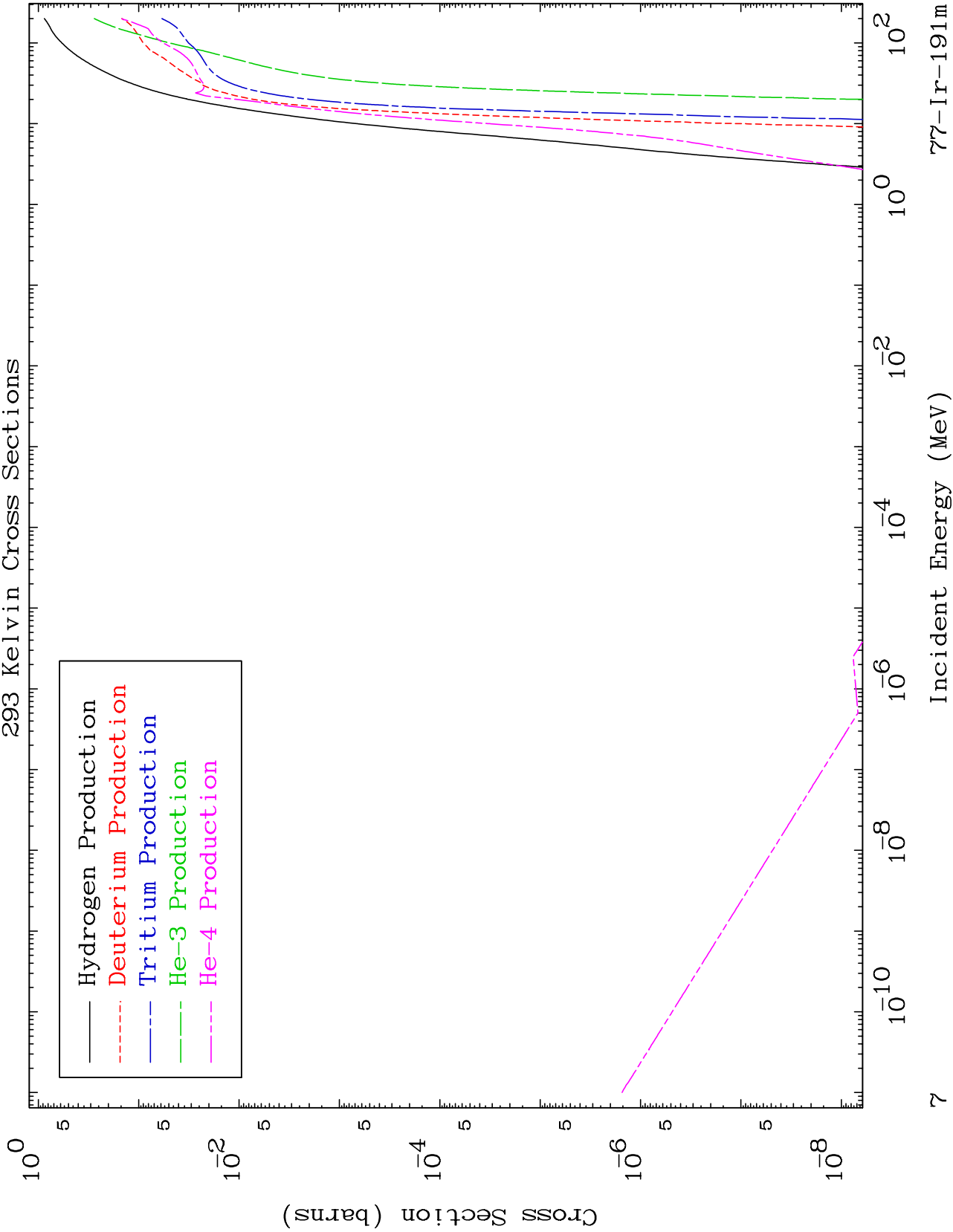
77-Ir-191m

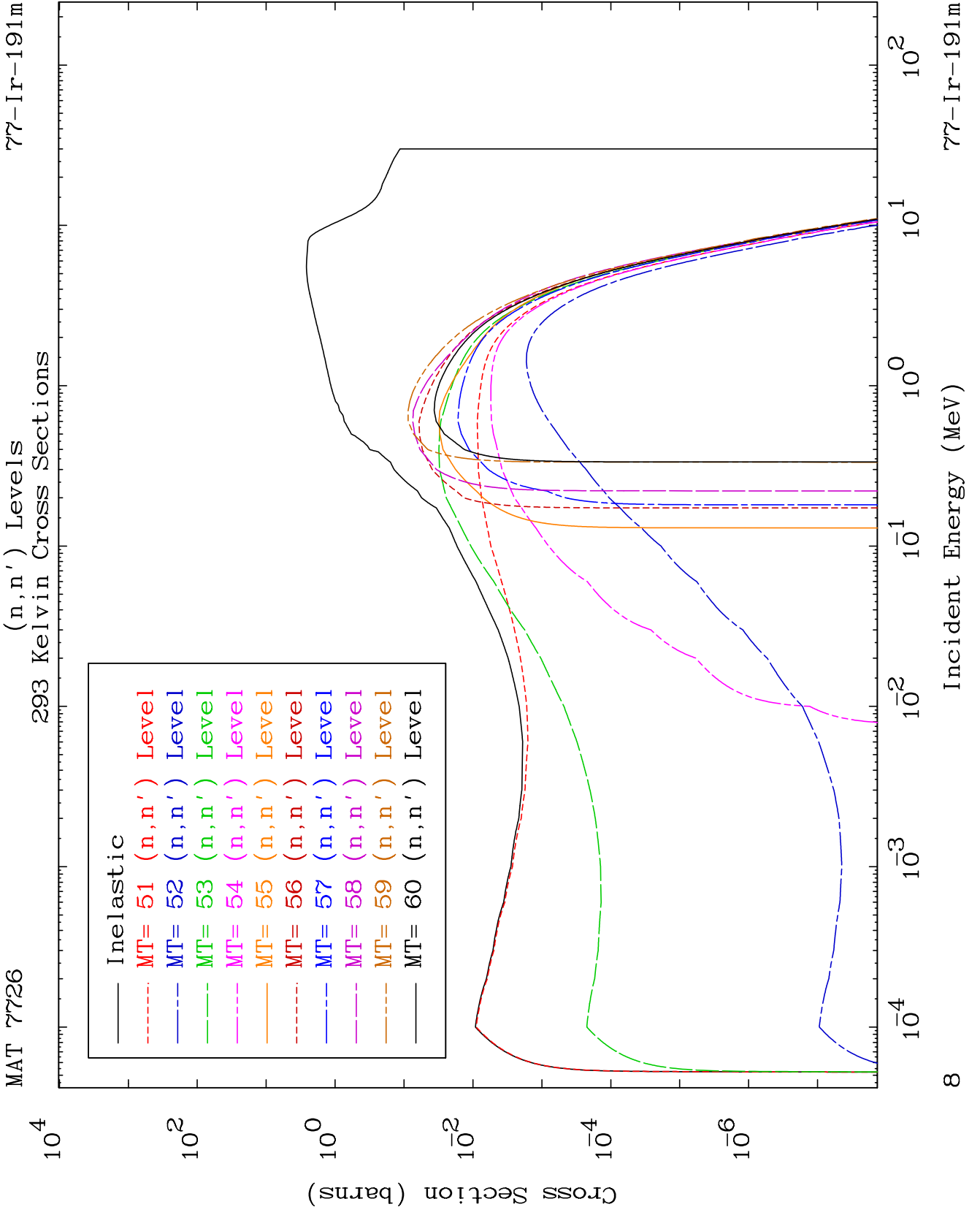


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Particle Production
293 Kelvin Cross Sections

77-Ir-191m

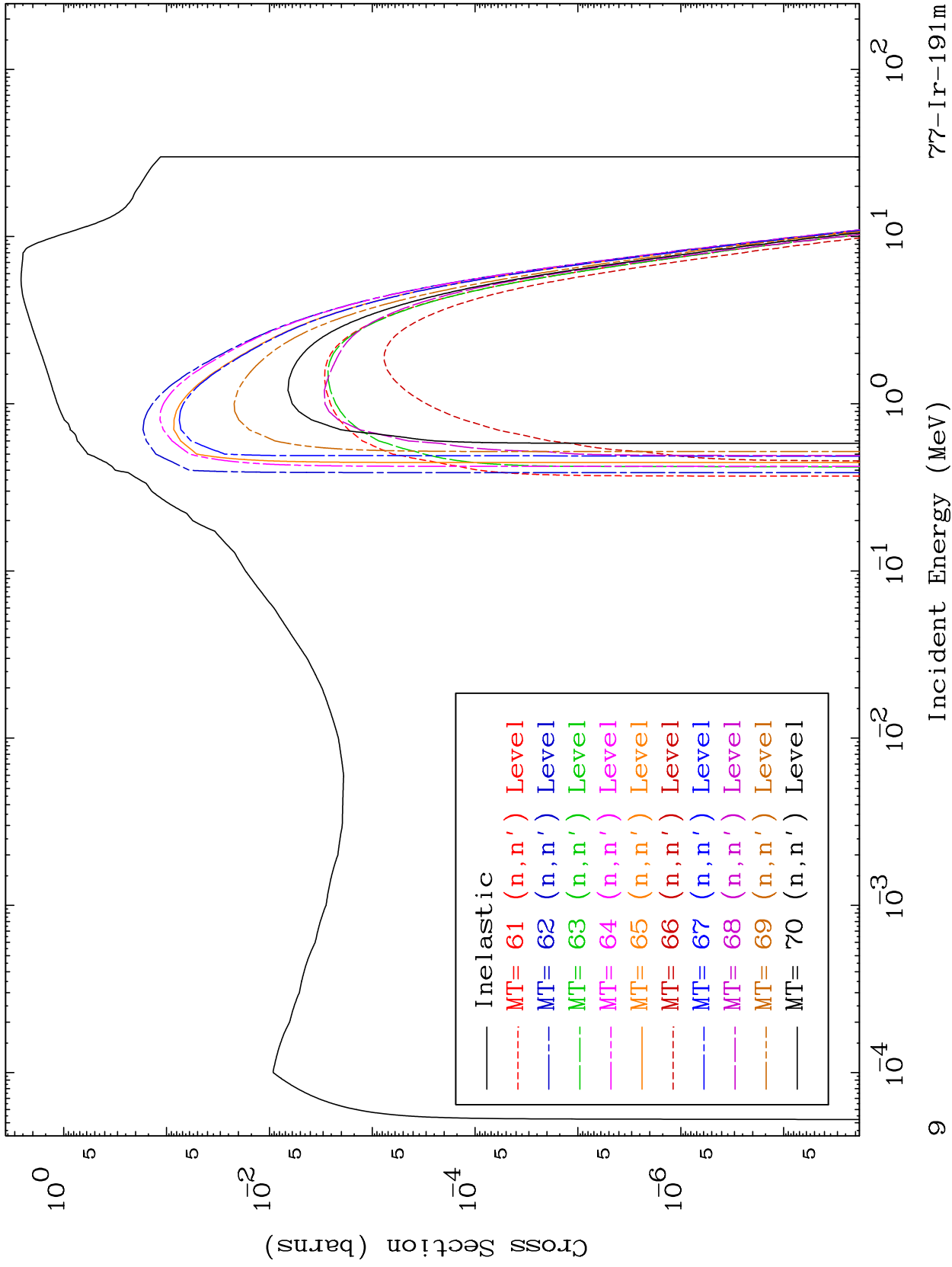




MAT 7726

(n,n') Levels
293 Kelvin Cross Sections

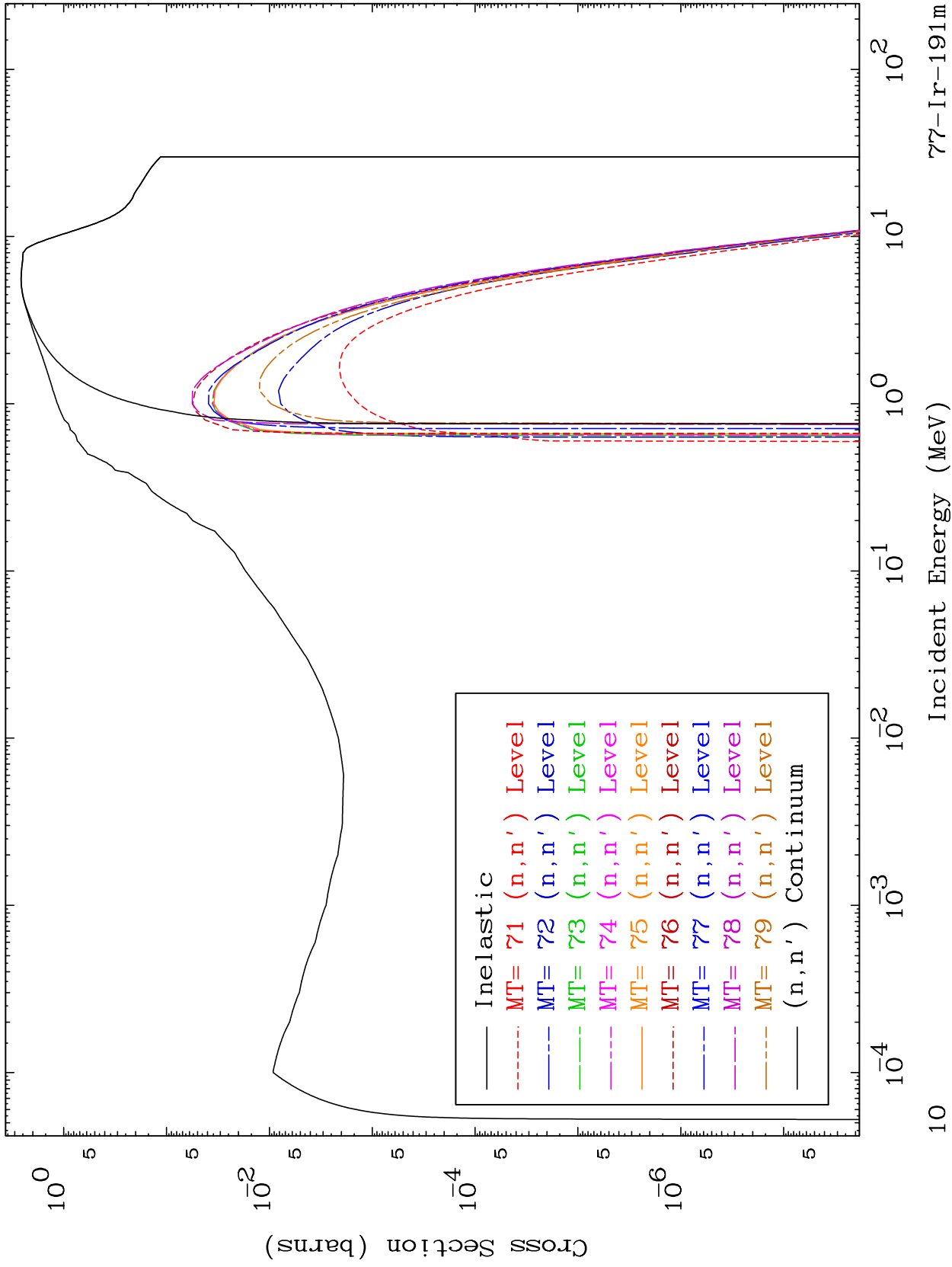
77-Ir-191m



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(n,n') Levels
293 Kelvin Cross Sections

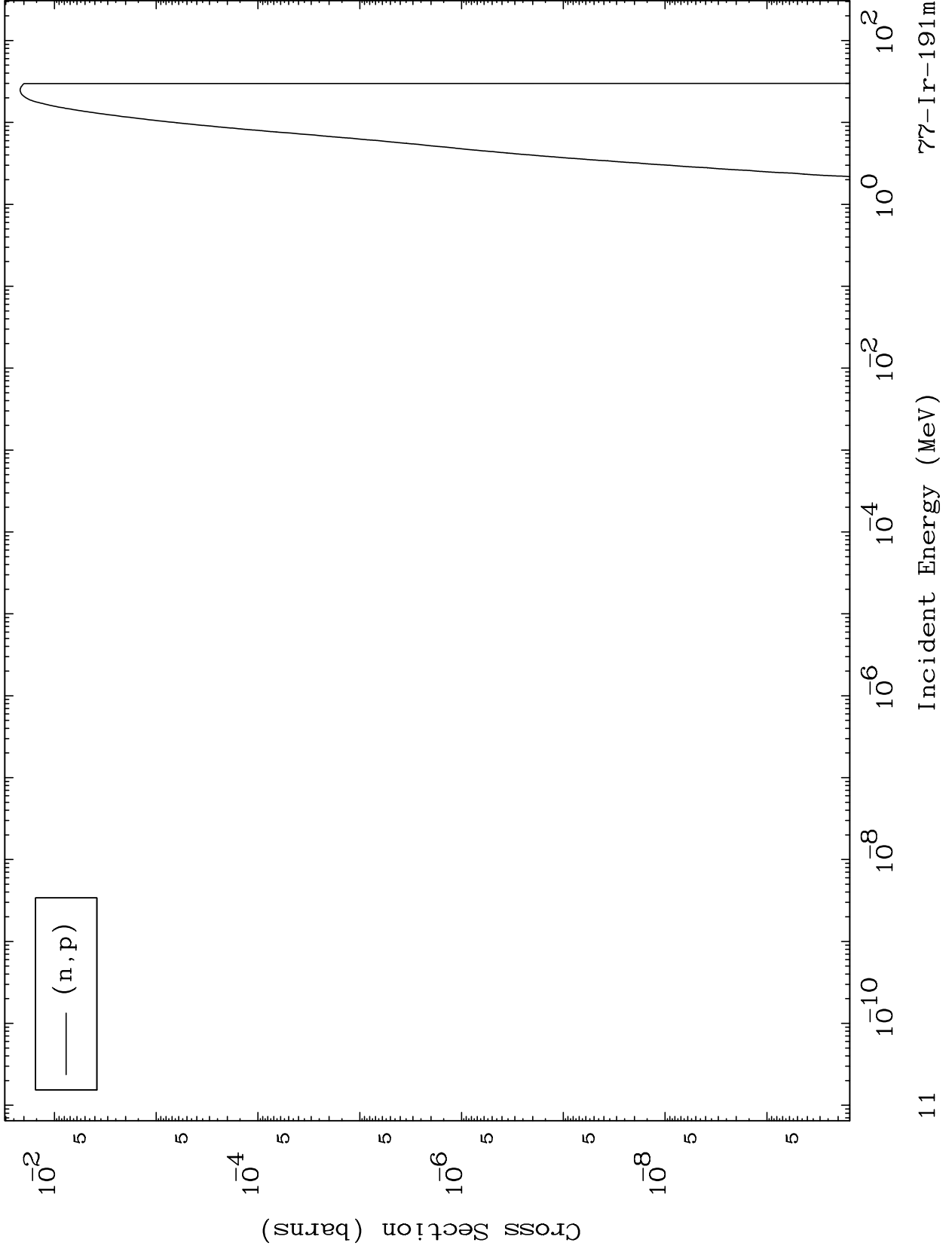
77-Ir-191m



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(n,p) Levels
293 Kelvin Cross Sections

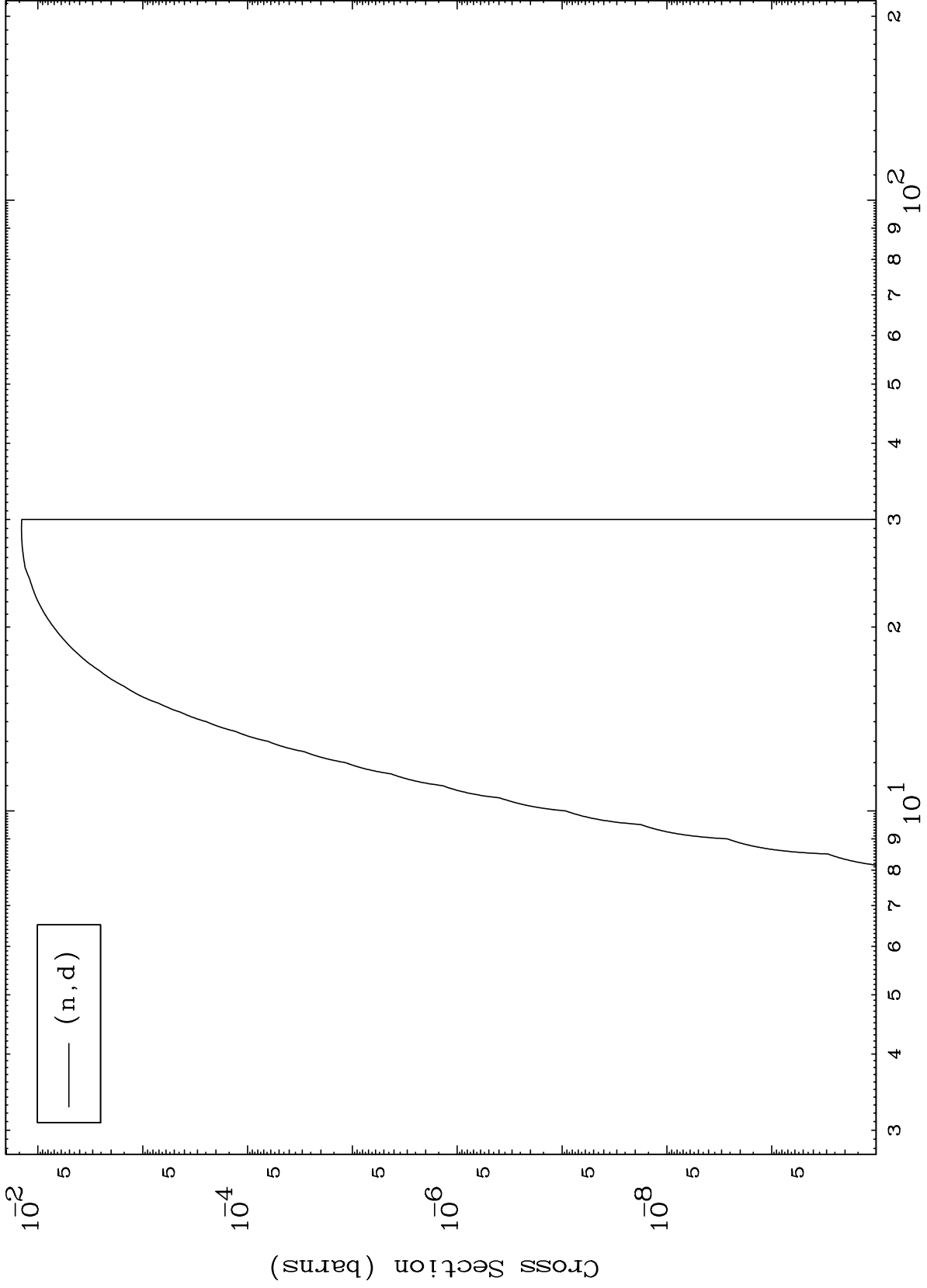
77-Ir-191m



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(n,d) Levels
293 Kelvin Cross Sections

77-Ir-191m



12

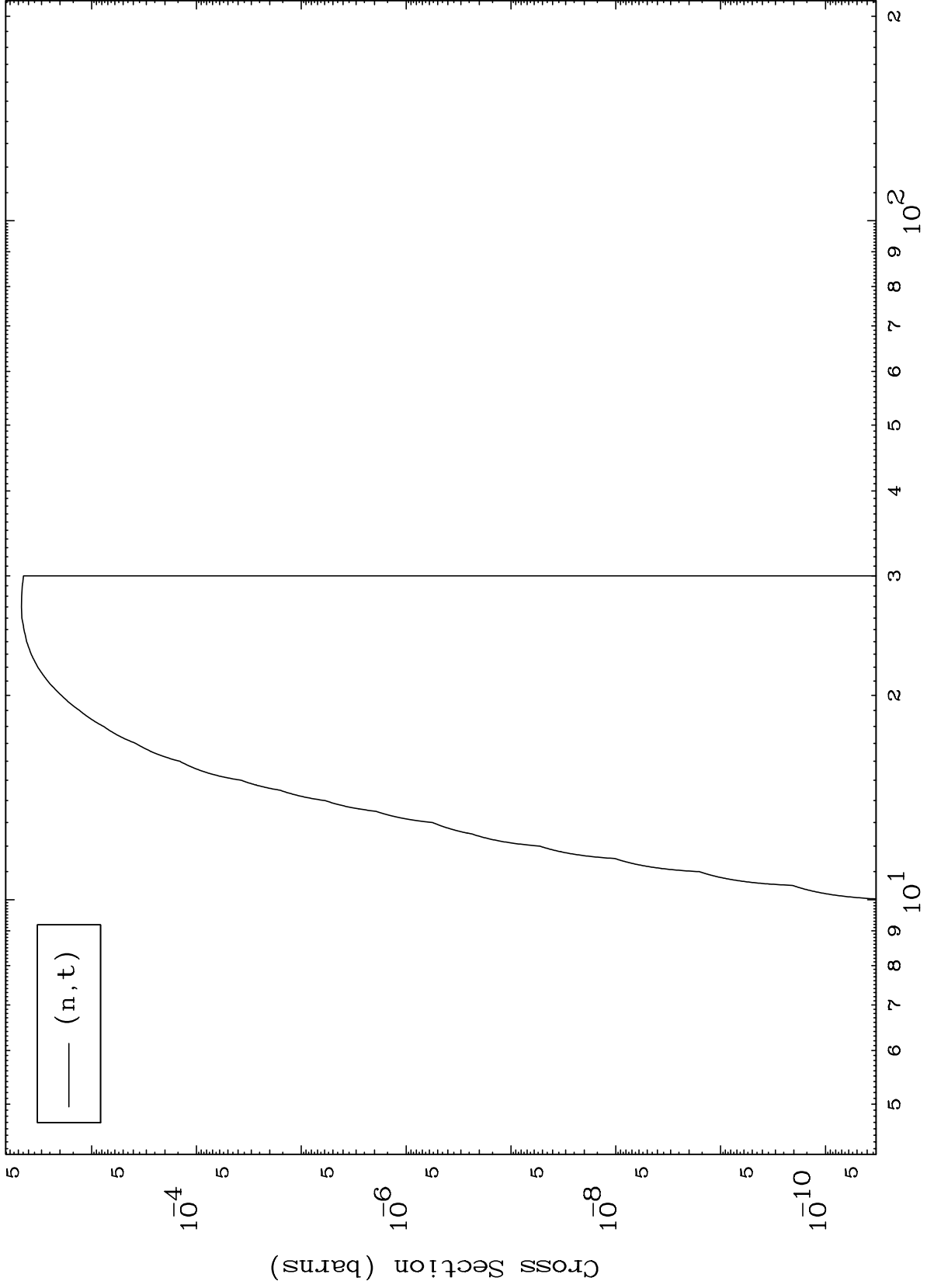
Incident Energy (MeV)

77-Ir-191m

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(n,t) Levels
293 Kelvin Cross Sections

77-Ir-191m



13

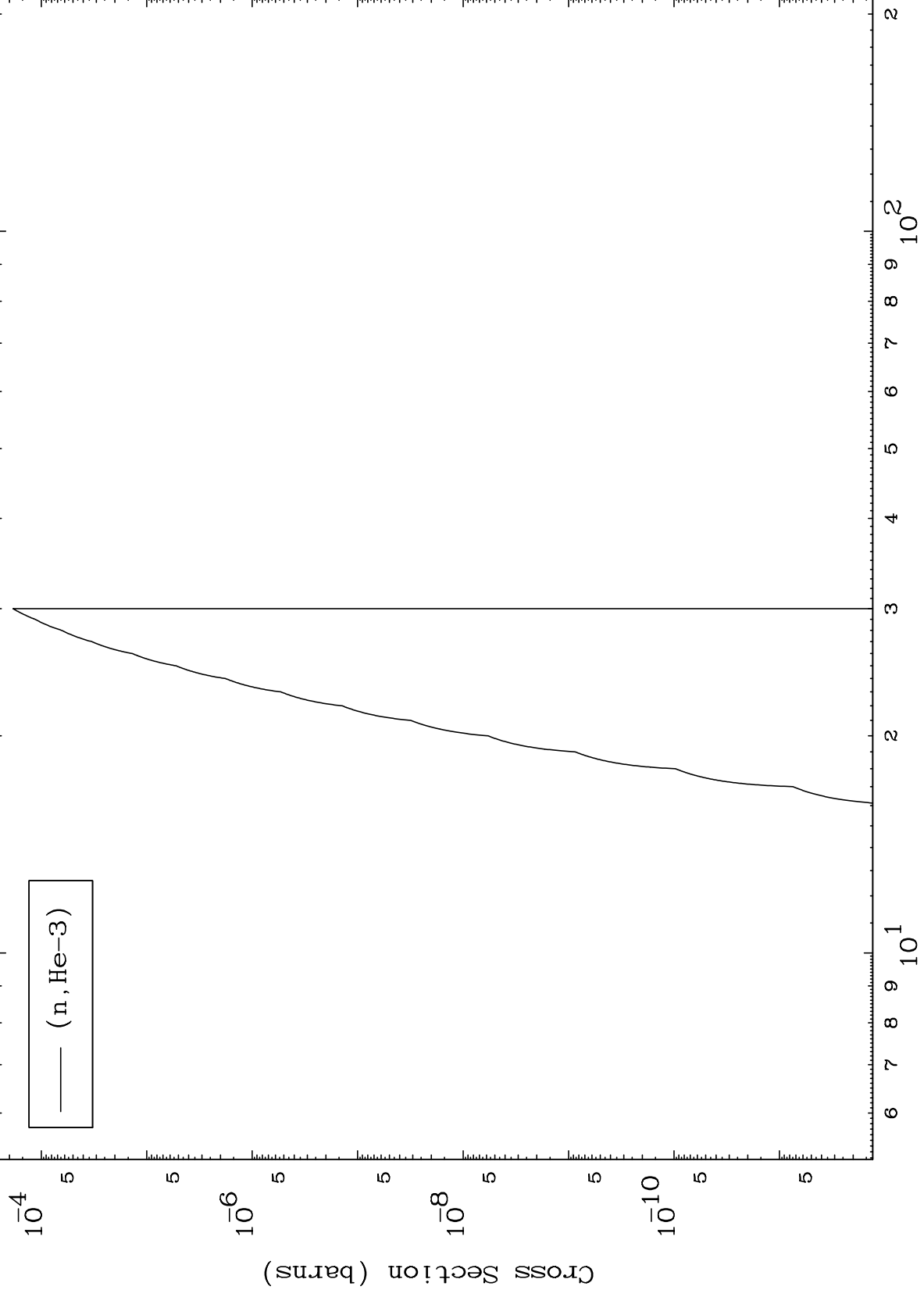
Incident Energy (MeV)

77-Ir-191m

MAT 7726

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-191m



14

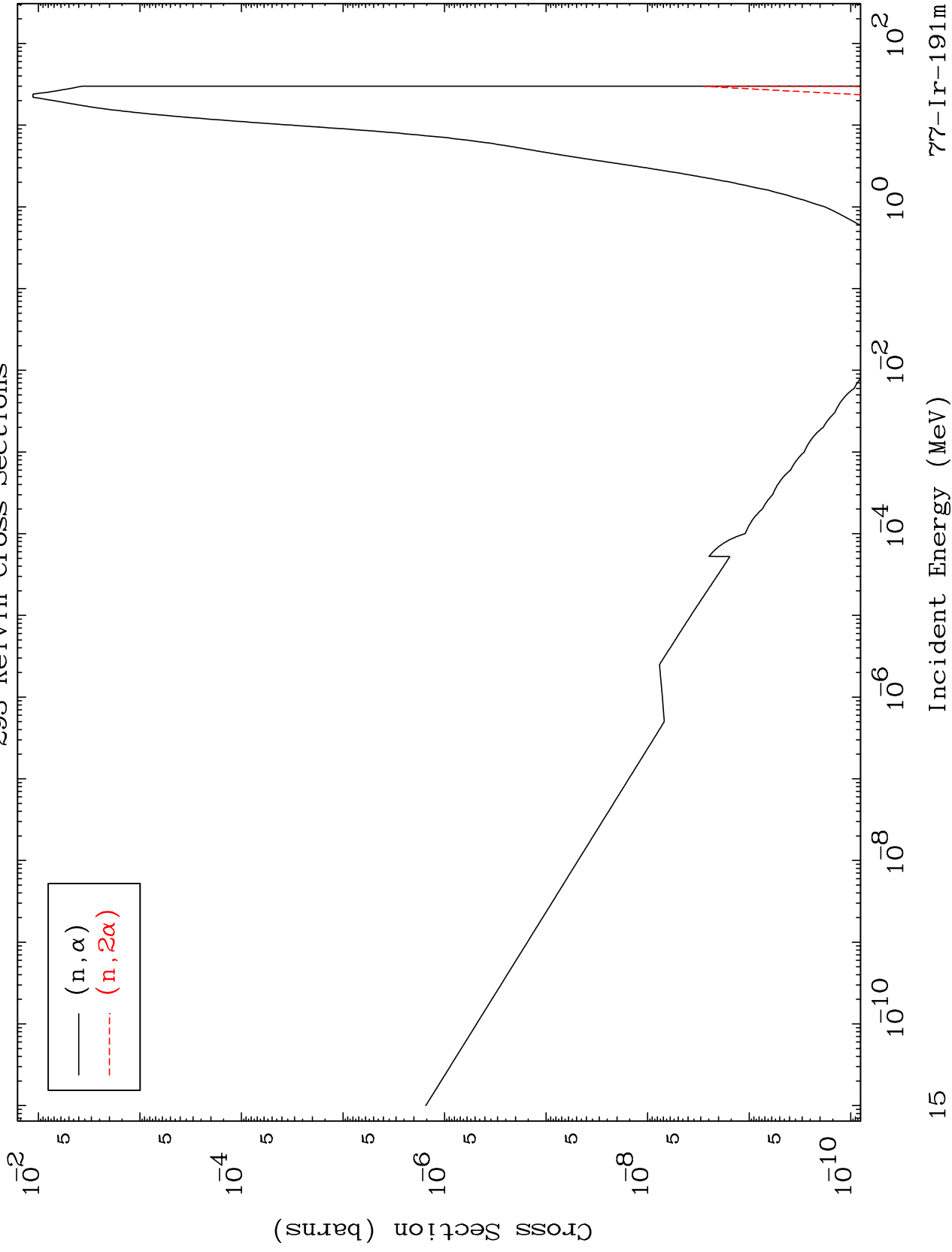
Incident Energy (MeV)

77-Ir-191m

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(n, α) Levels
293 Kelvin Cross Sections

⁷⁷Ir-191m

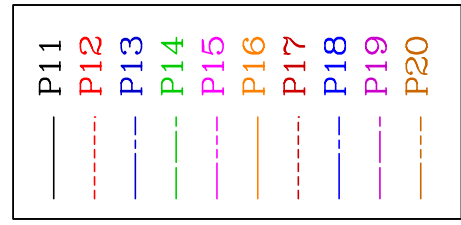


15

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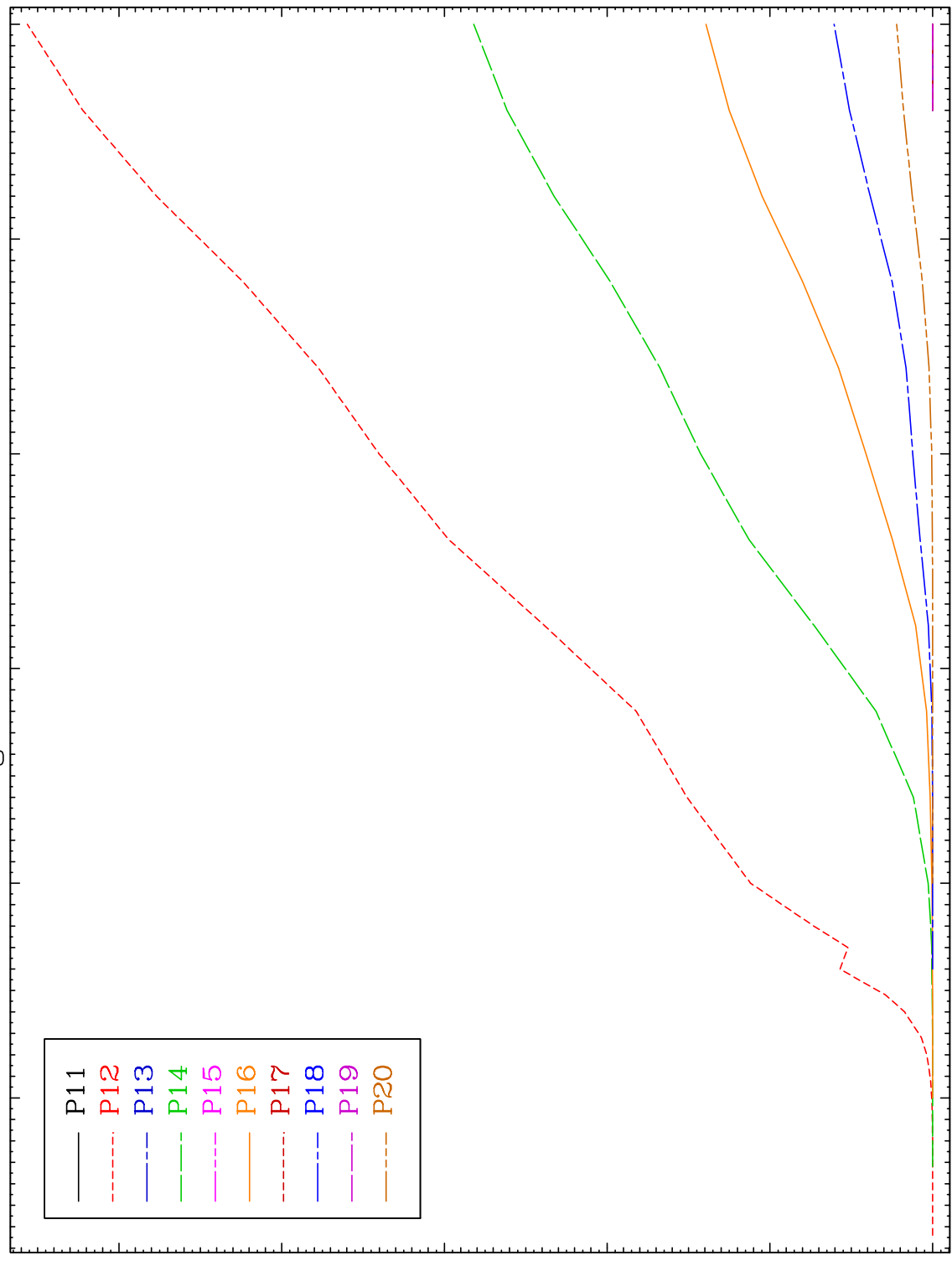
Elastic Legendre Coefficients

77-Ir-191m



$\times 10^{-4}$

Legendre (CM)



17

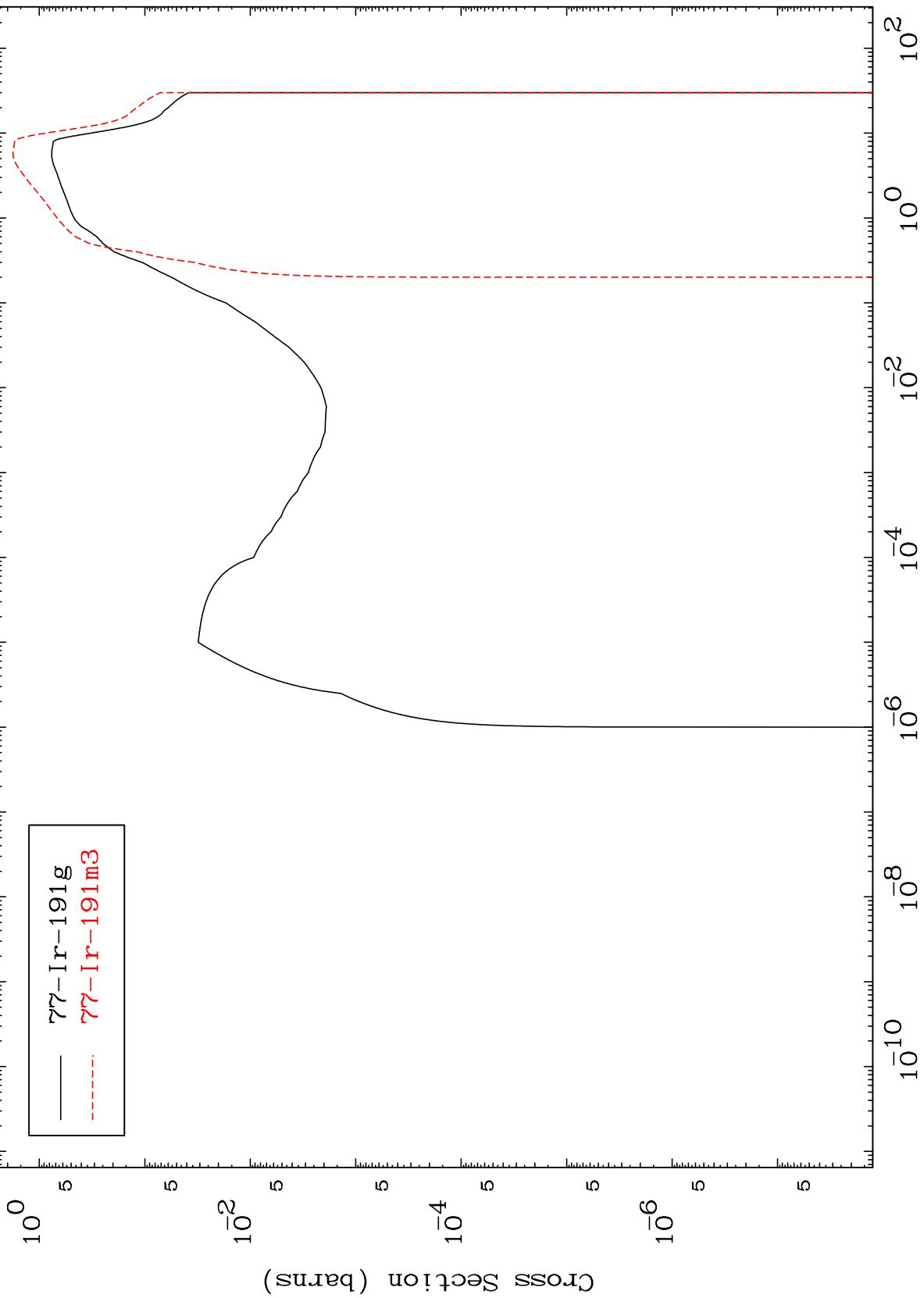
Incident Energy (MeV)

77-Ir-191m

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⁷⁷Ir-191m

Inelastic
Radionuclide Production Cross Section

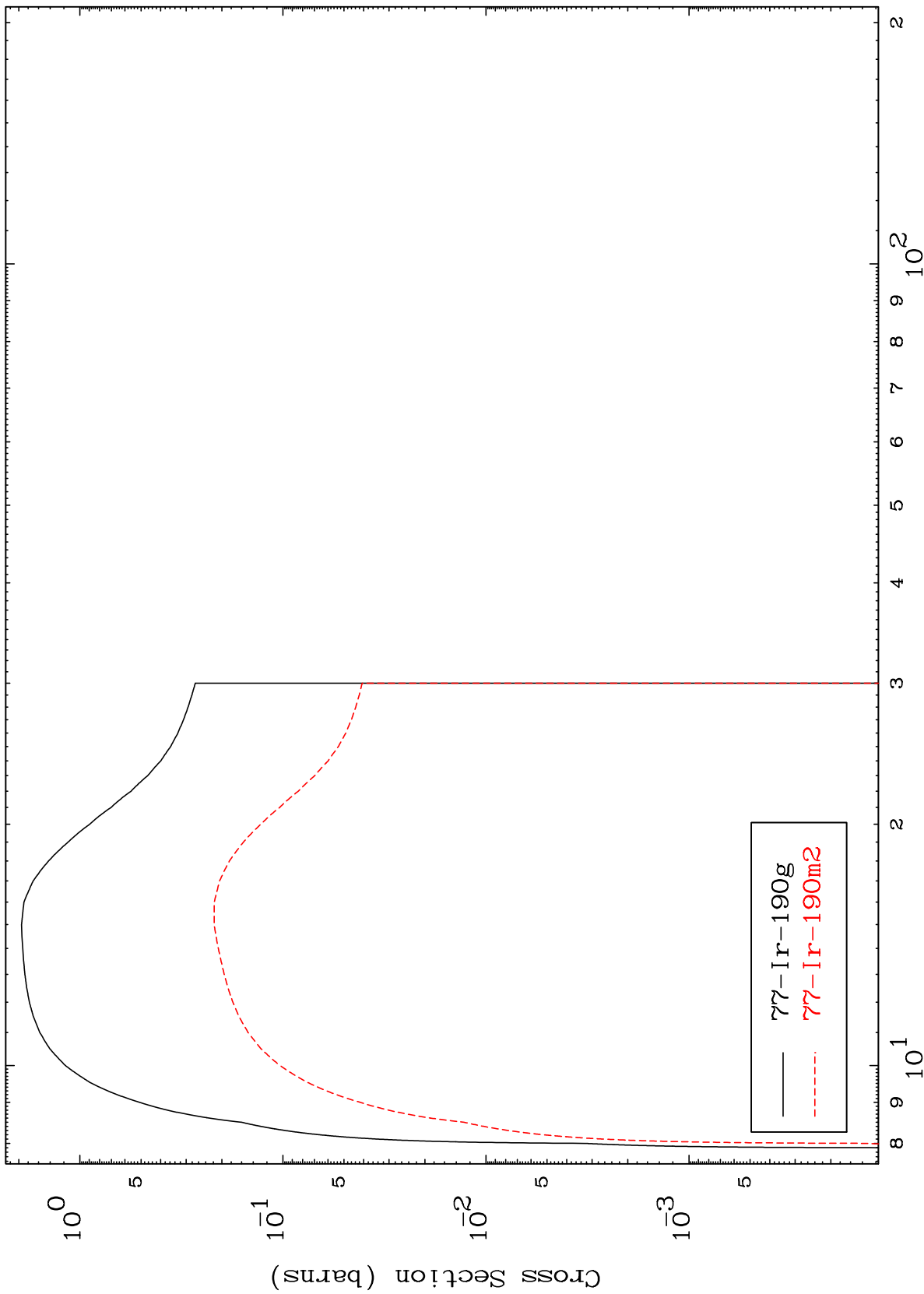


— ⁷⁷Ir-191g
- - - ⁷⁷Ir-191m3

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⁷⁷Ir-191m

Radionuclide Production Cross Section
(n,2n)



⁷⁷Ir-191m

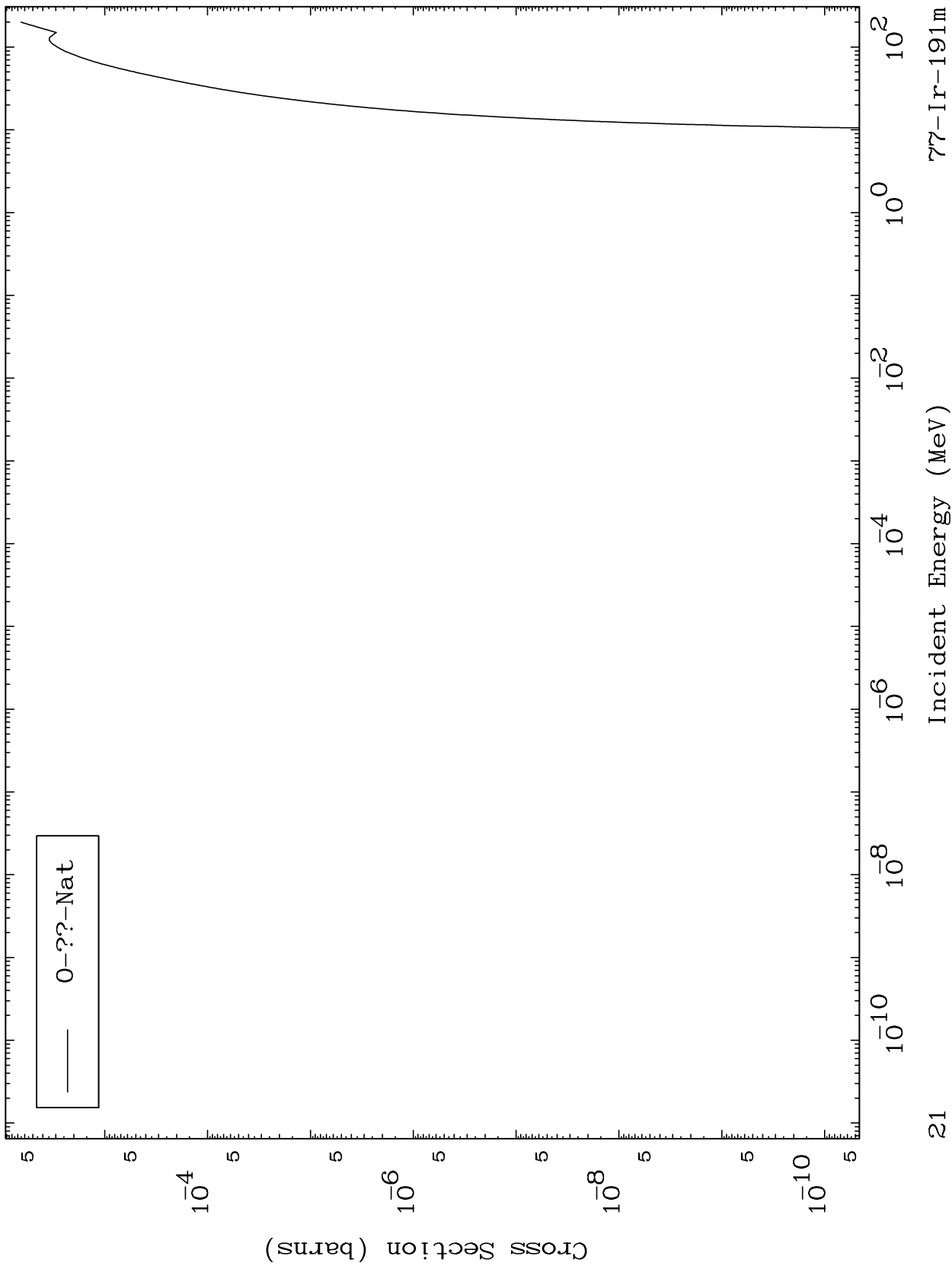
Incident Energy (MeV)

20

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Fission
Radionuclide Production Cross Section

⁷⁷Ir-191m

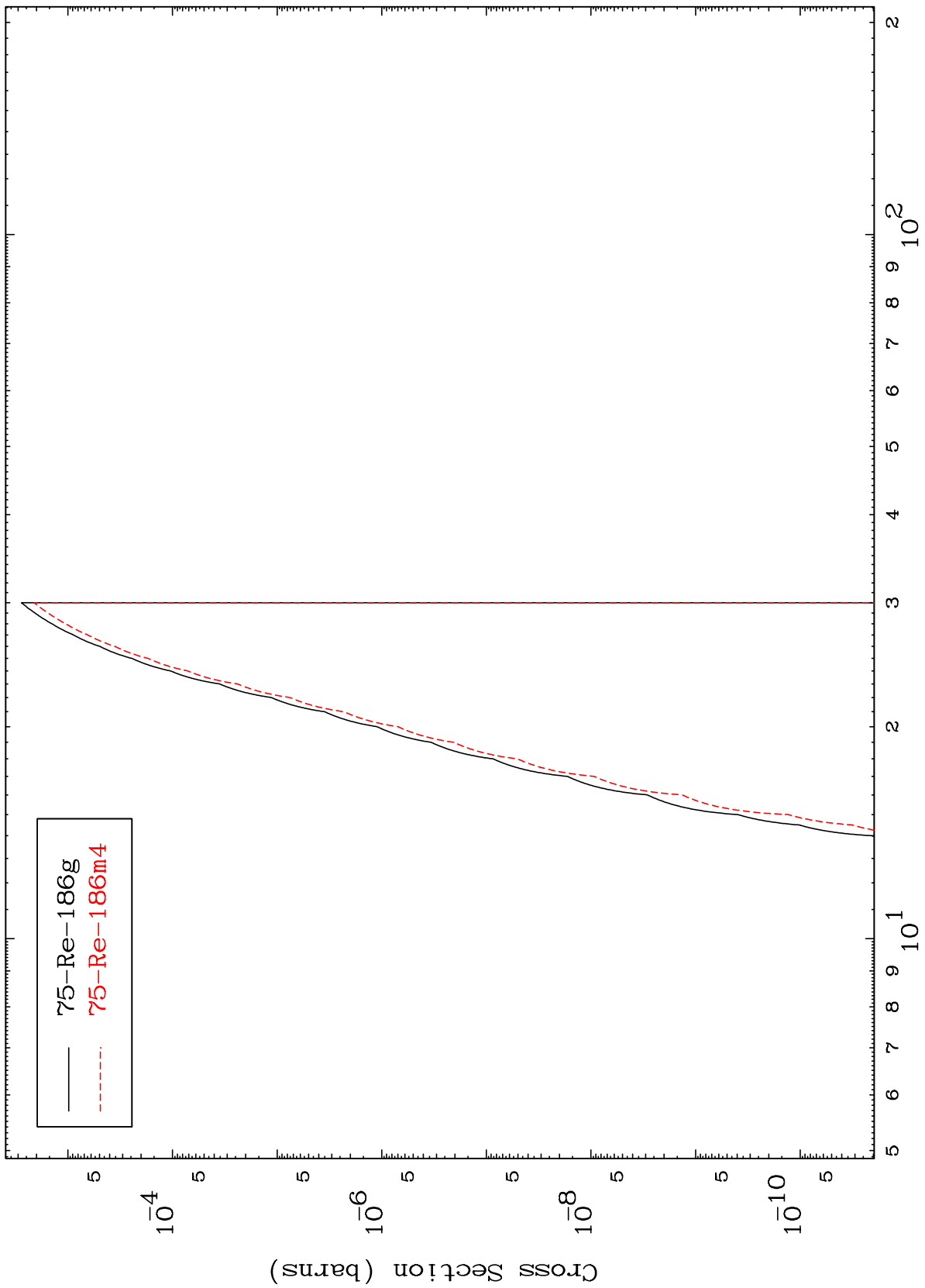


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$(n,2n) \alpha$

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

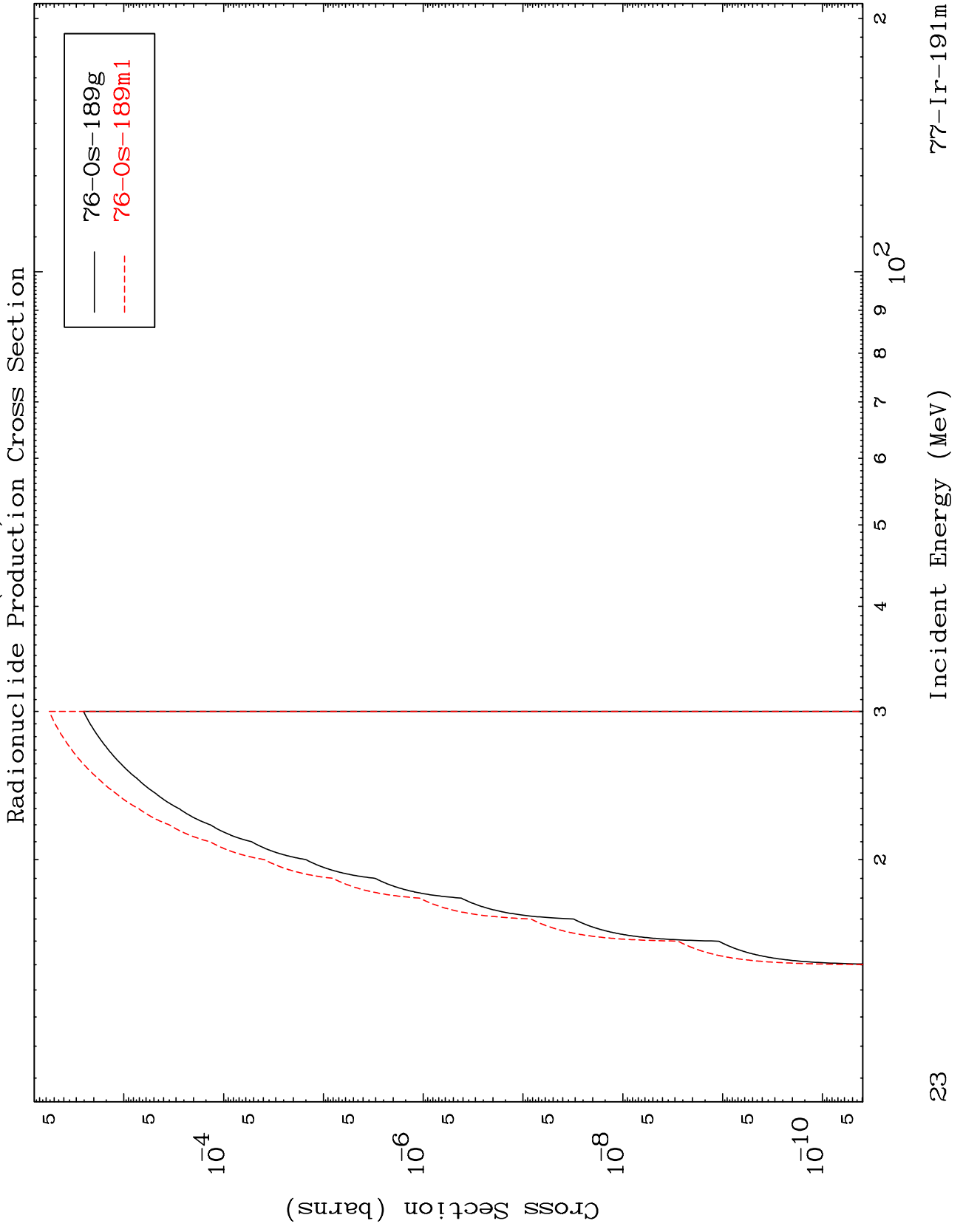
Radionuclide Production Cross Section



22

Incident Energy (MeV)

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

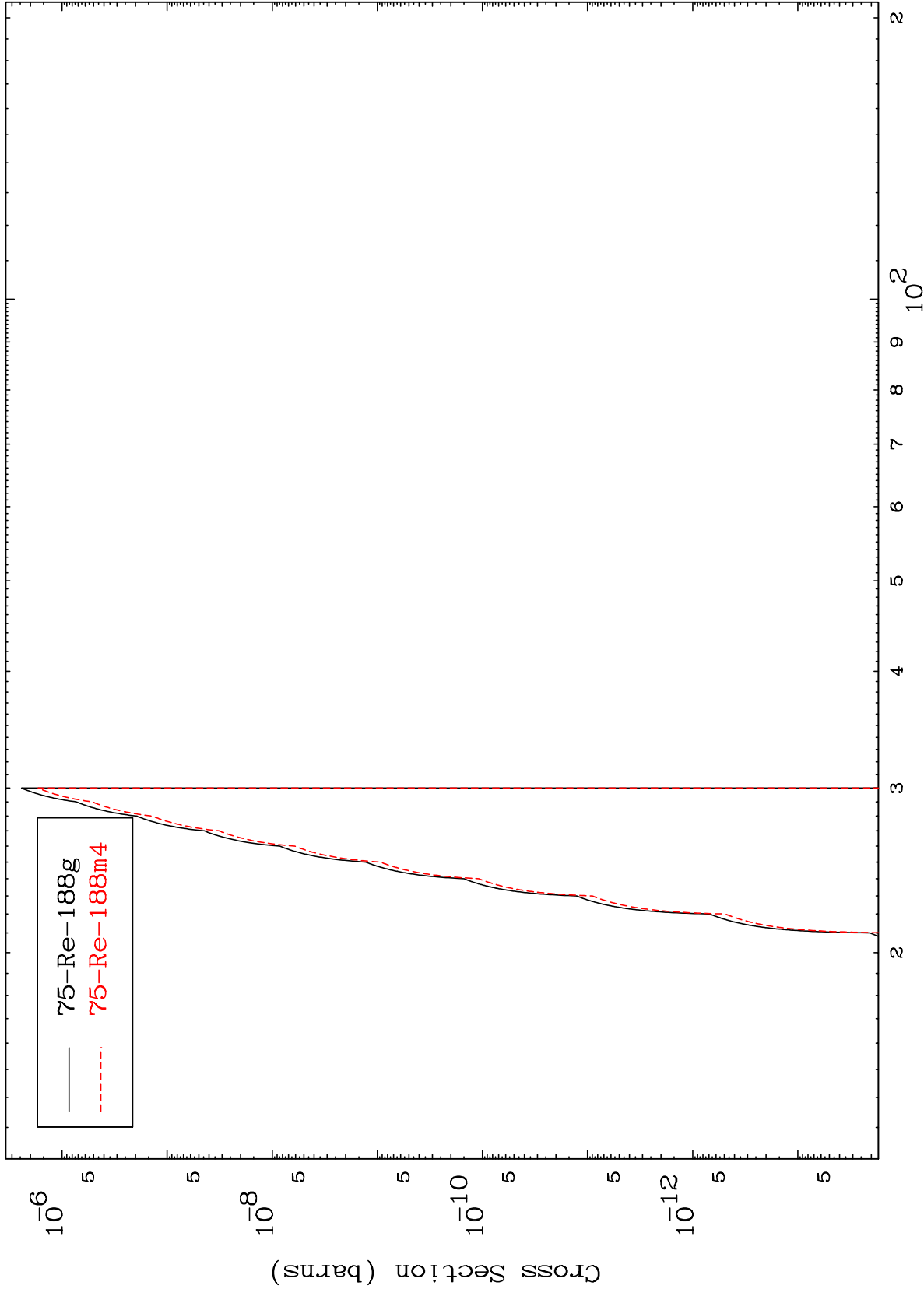


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(n,n') He-3

77-Ir-191m

Radionuclide Production Cross Section

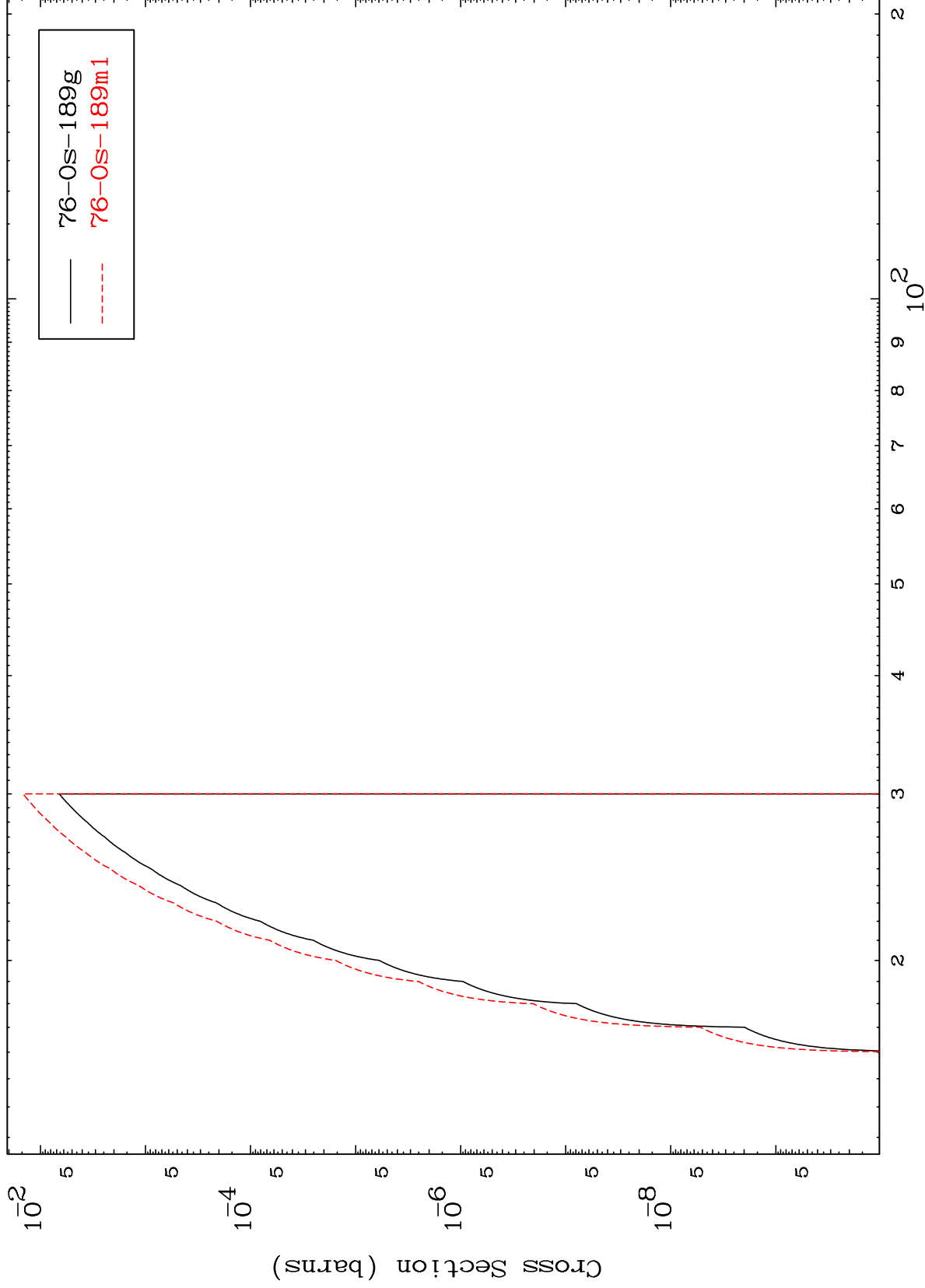


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(n,2n) p

⁷⁷Ir-191m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

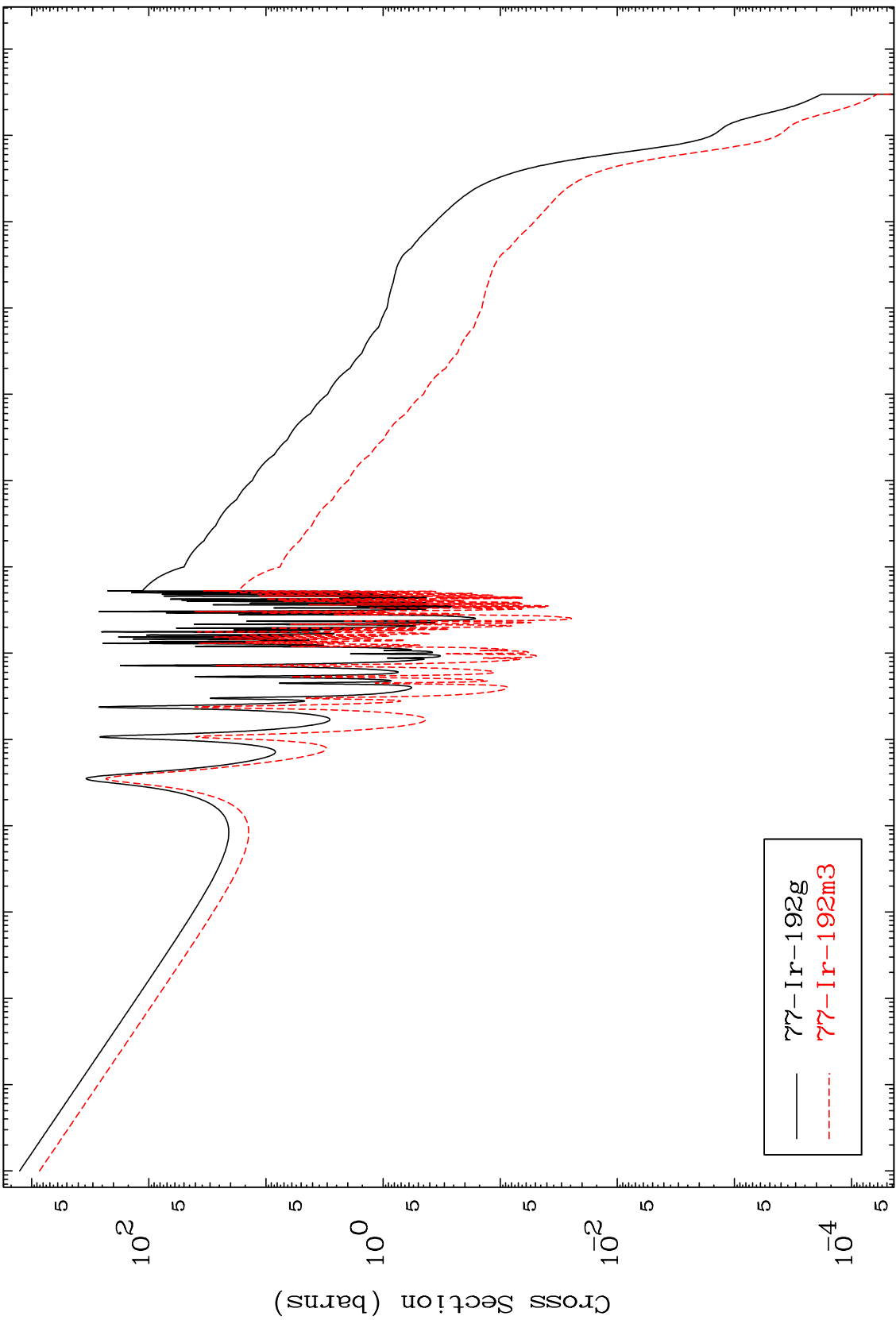
⁷⁷Ir-191m

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⁷⁷Ir-191m

Radionuclide Production Cross Section

(n,γ)



⁷⁷Ir-191m

10²

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

Incident Energy (MeV)

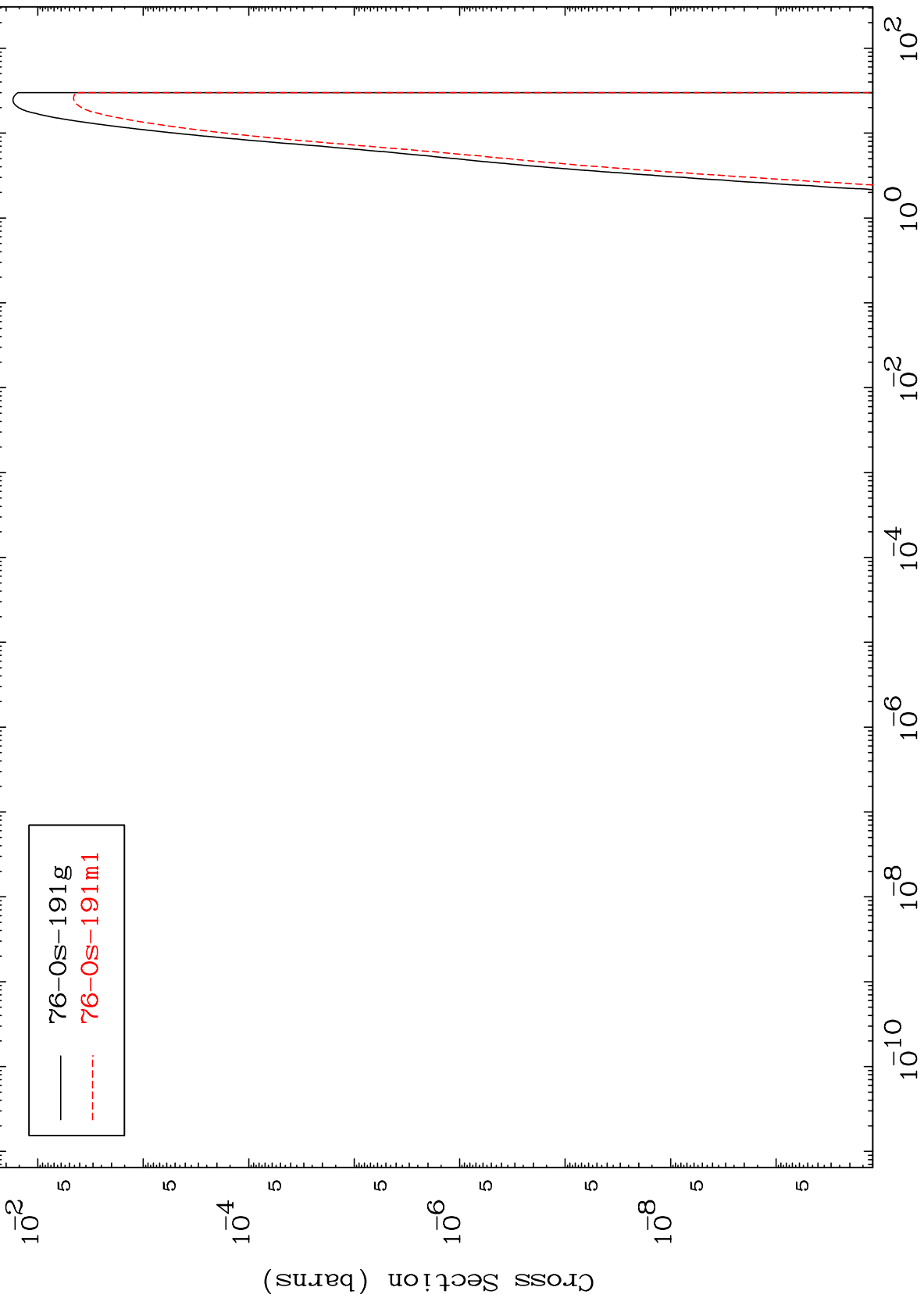
⁷⁷Ir-191m

26

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(n,p)
Radionuclide Production Cross Section

⁷⁷Ir-191m



— 76-Os-191g
- - - 76-Os-191m1

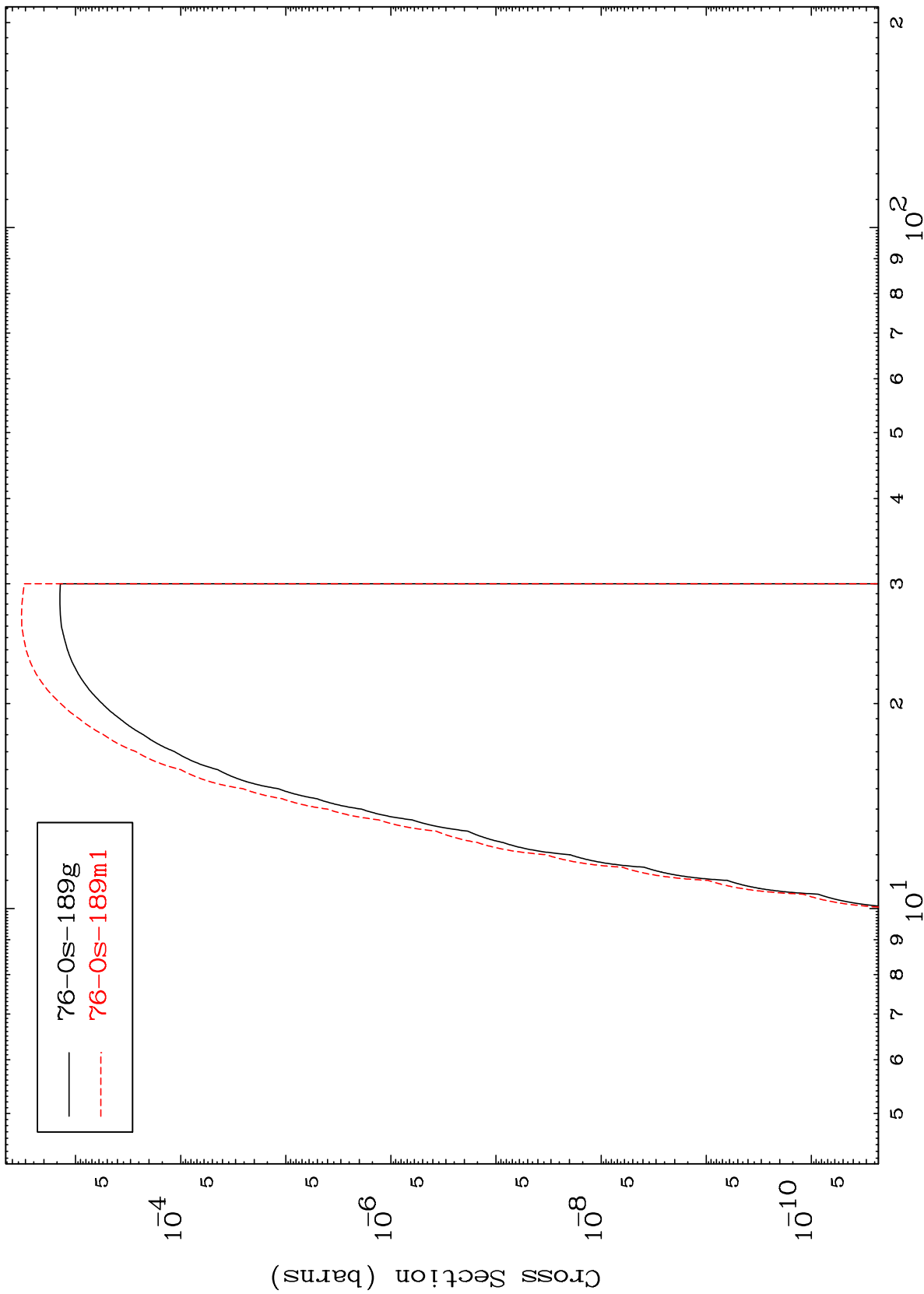
⁷⁷Ir-191m

Incident Energy (MeV)

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77-Ir-191m

(n, t)
Radionuclide Production Cross Section



28

77-Ir-191m

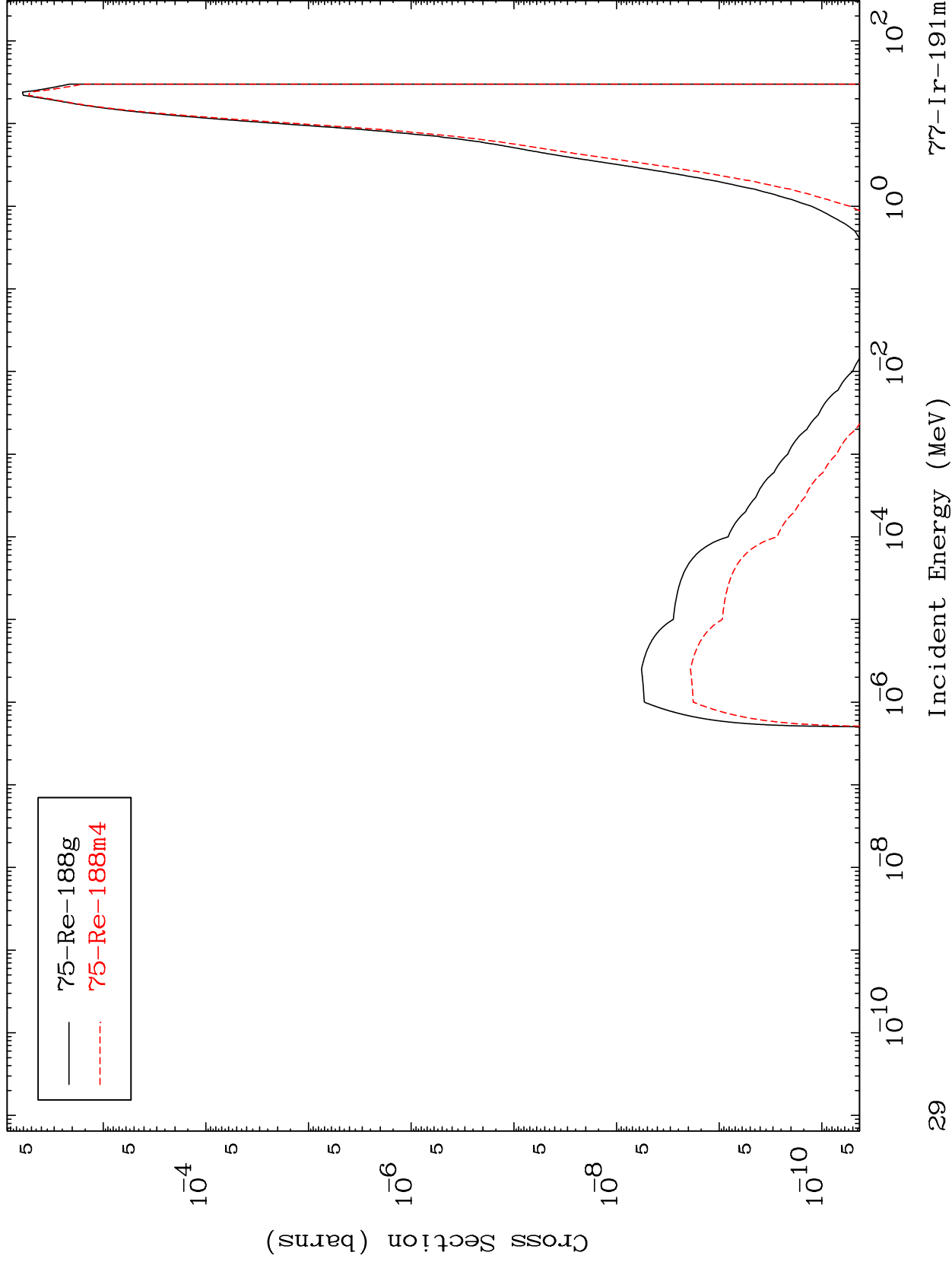
Incident Energy (MeV)

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(n, α)

⁷⁷Ir-191m

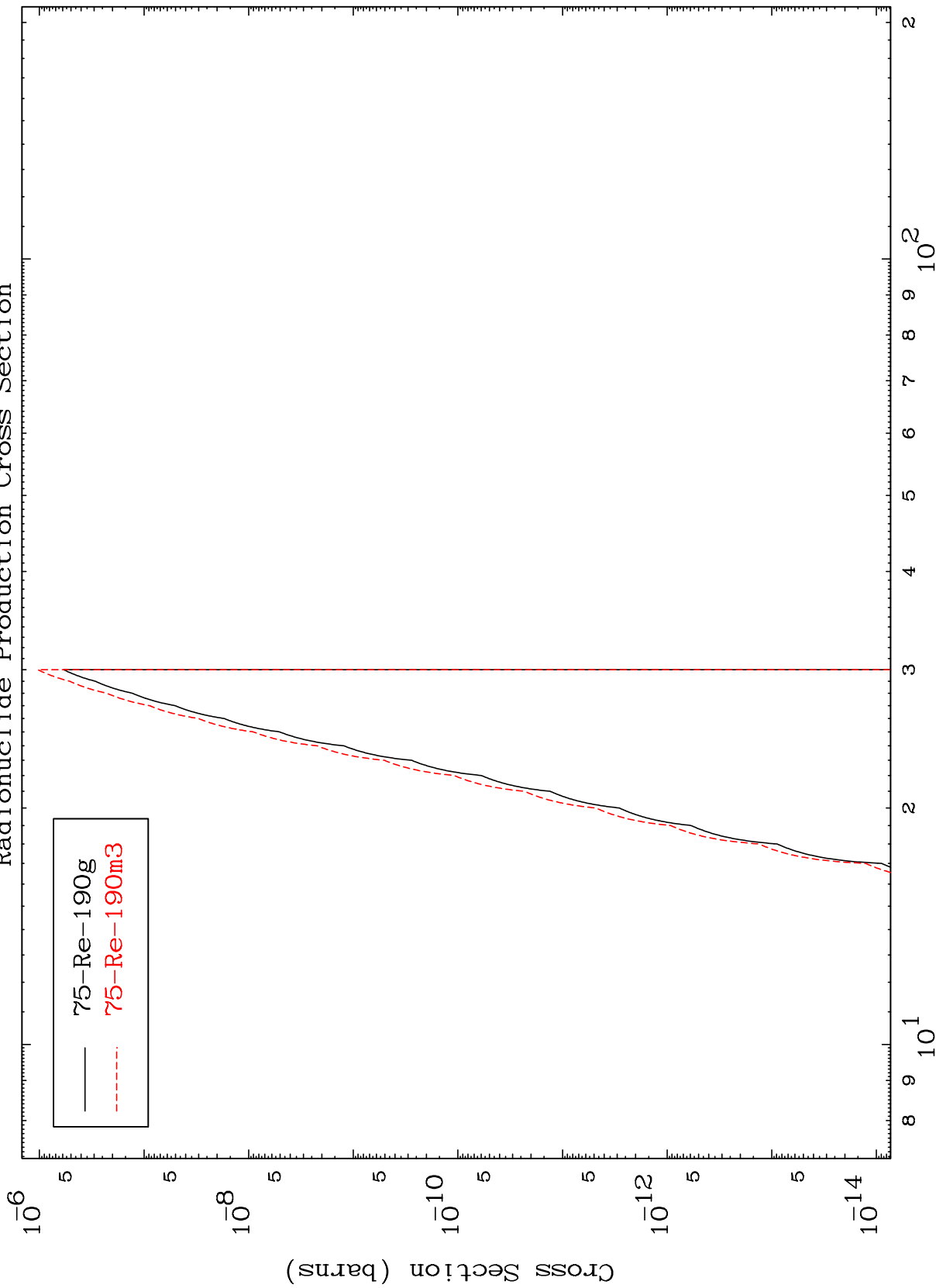
Radionuclide Production Cross Section



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77-Ir-191m

Radionuclide Production Cross Section
(n,2p)



77-Ir-191m

Incident Energy (MeV)

30