

Program EVALPLOT
(Version 2021-1)

by

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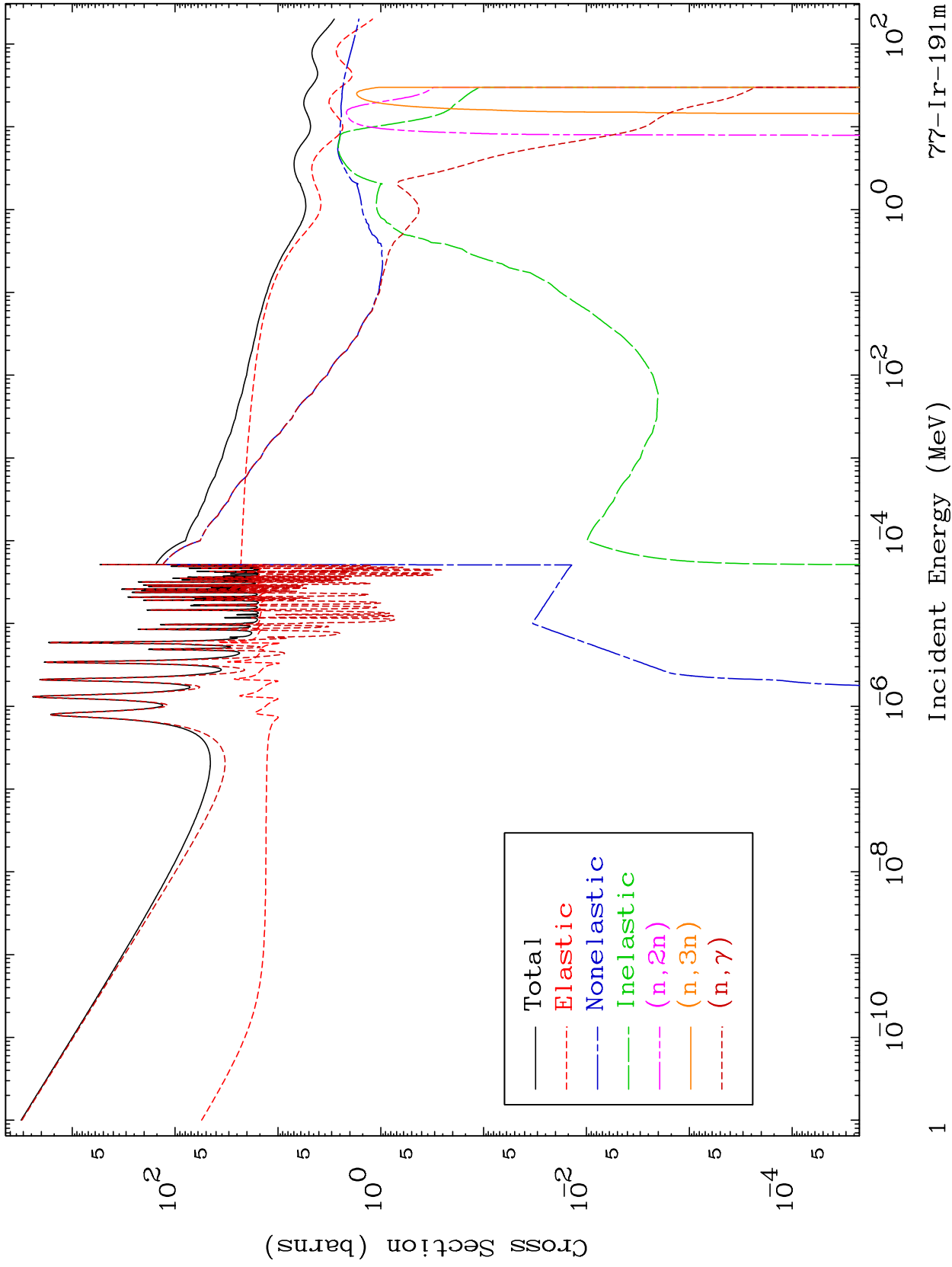
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7726

Neutron Major
293 Kelvin Cross Sections

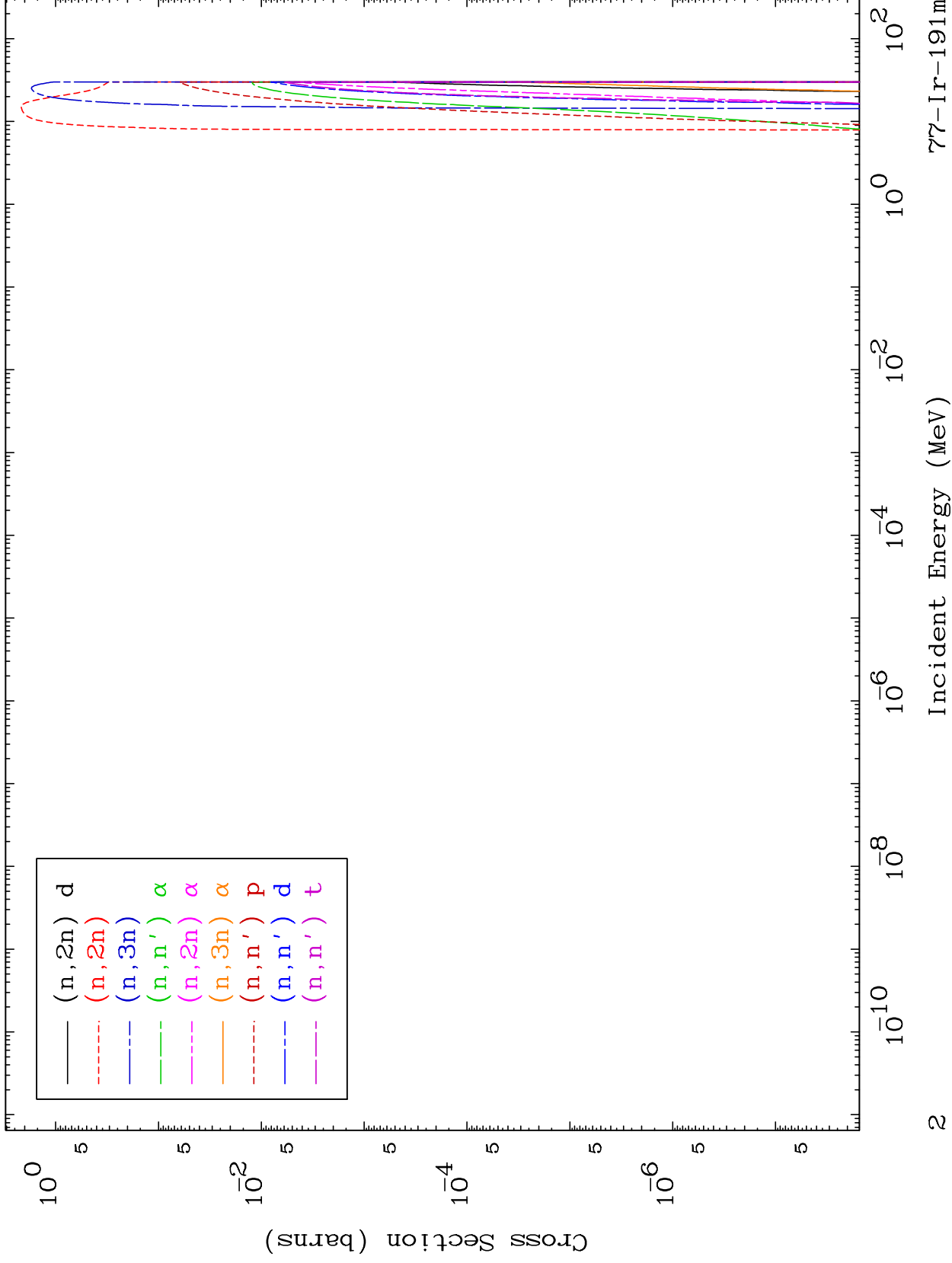
77-Ir-191m



MAT 7726

Neutron Absorption
293 Kelvin Cross Sections

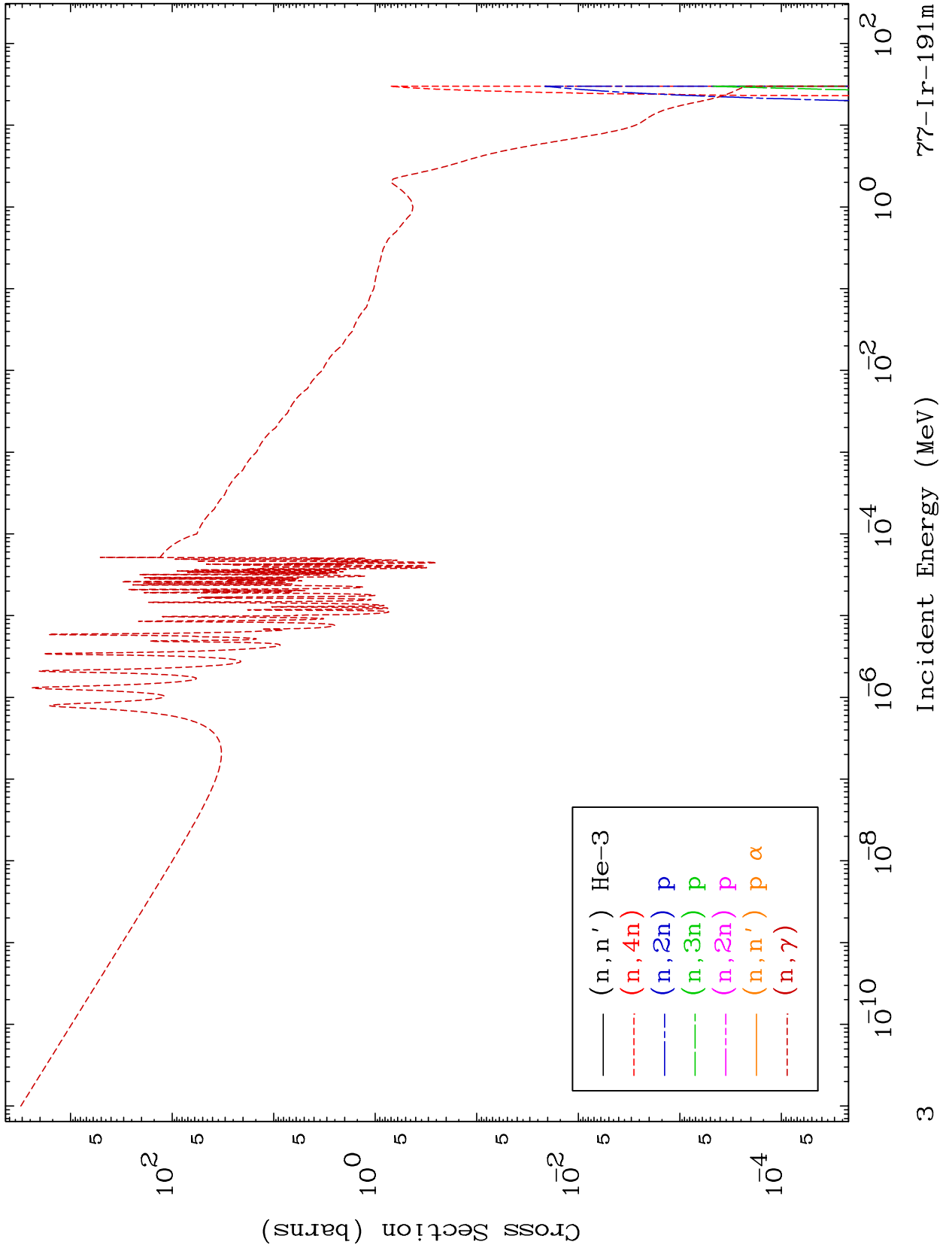
⁷⁷Ir-191m



MAT 7726

Neutron Absorption
293 Kelvin Cross Sections

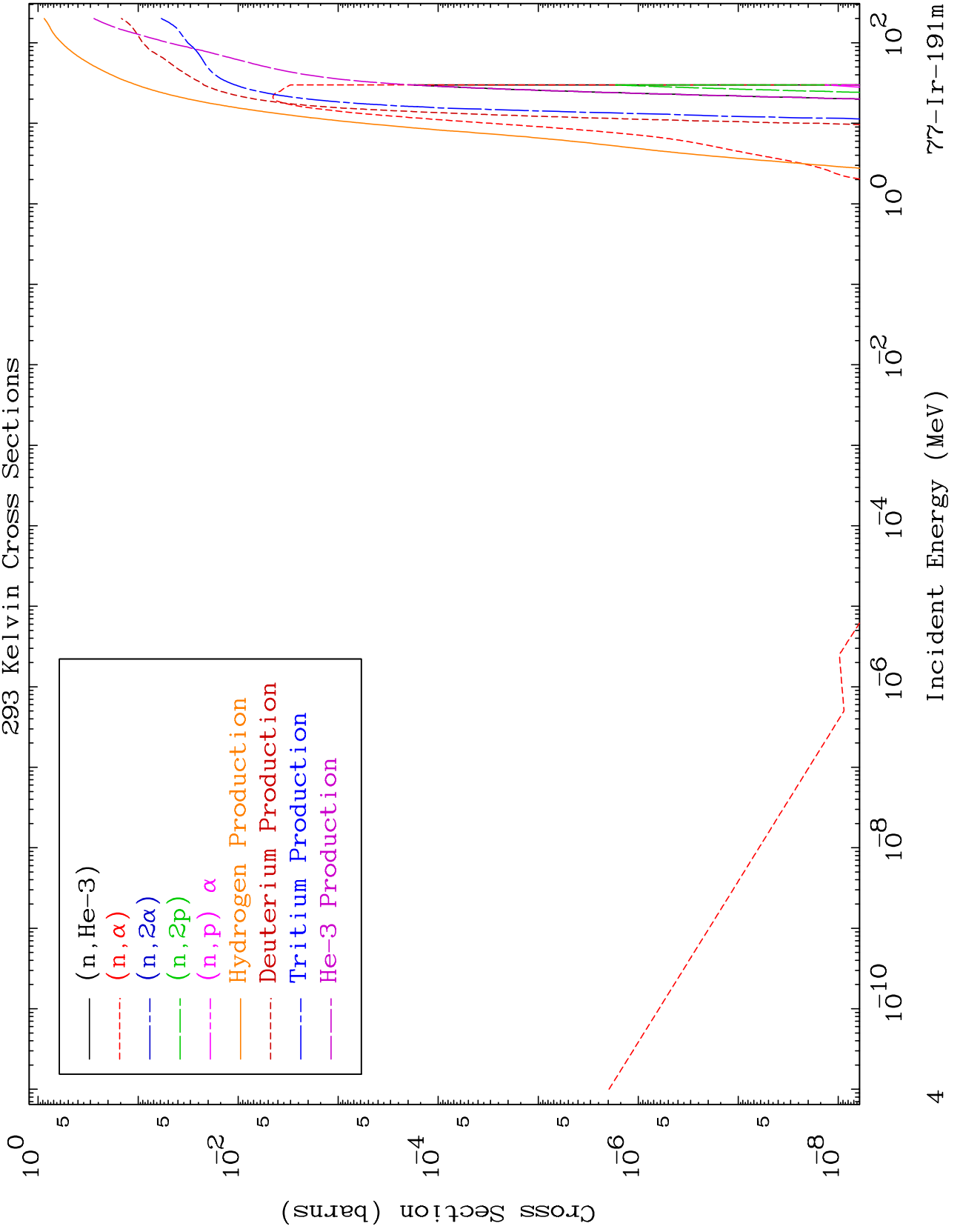
77-Ir-191m



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Neutron Absorption
293 Kelvin Cross Sections

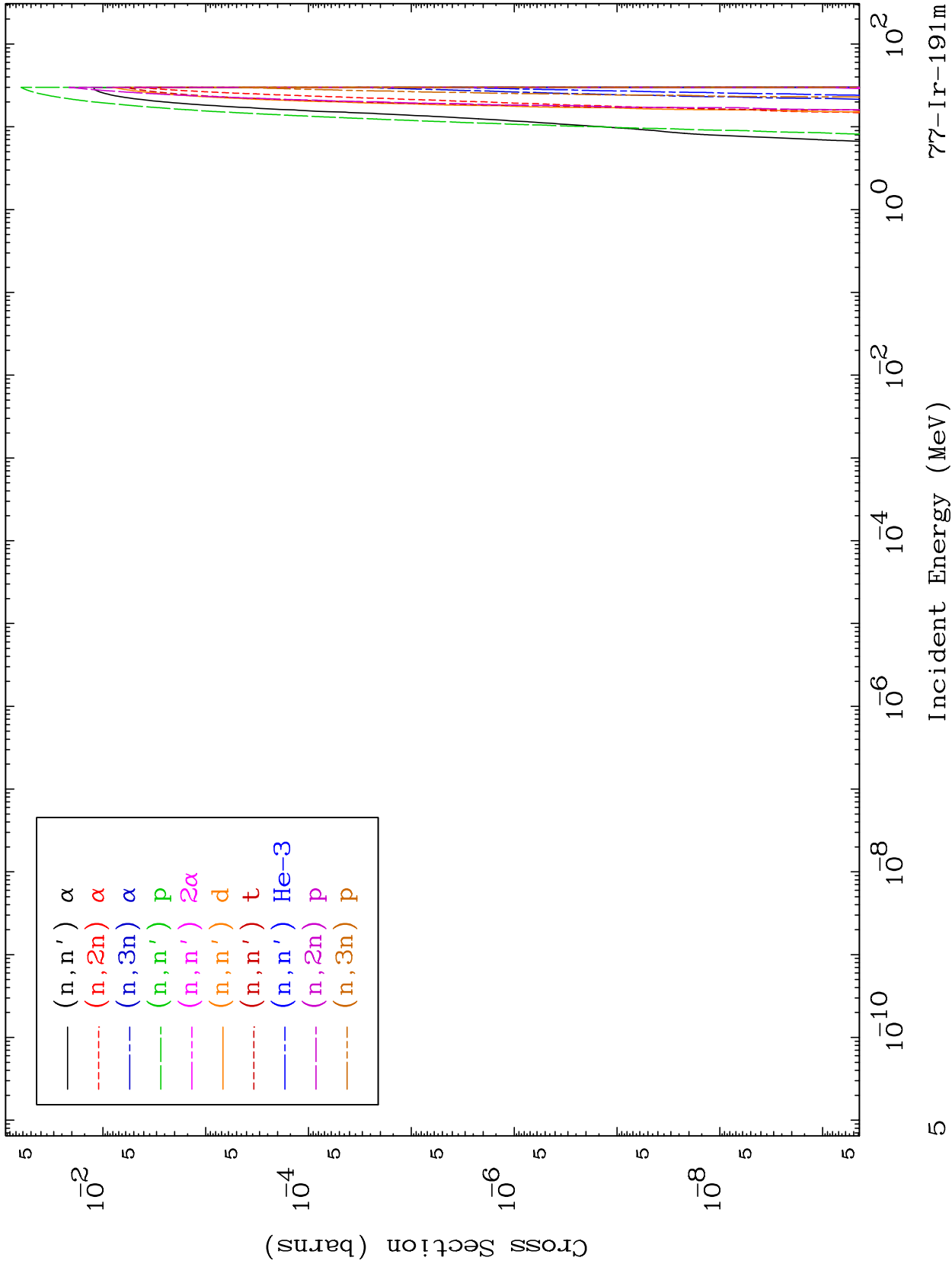
77-Ir-191m



MAT 7726

Charged Particle
293 Kelvin Cross Sections

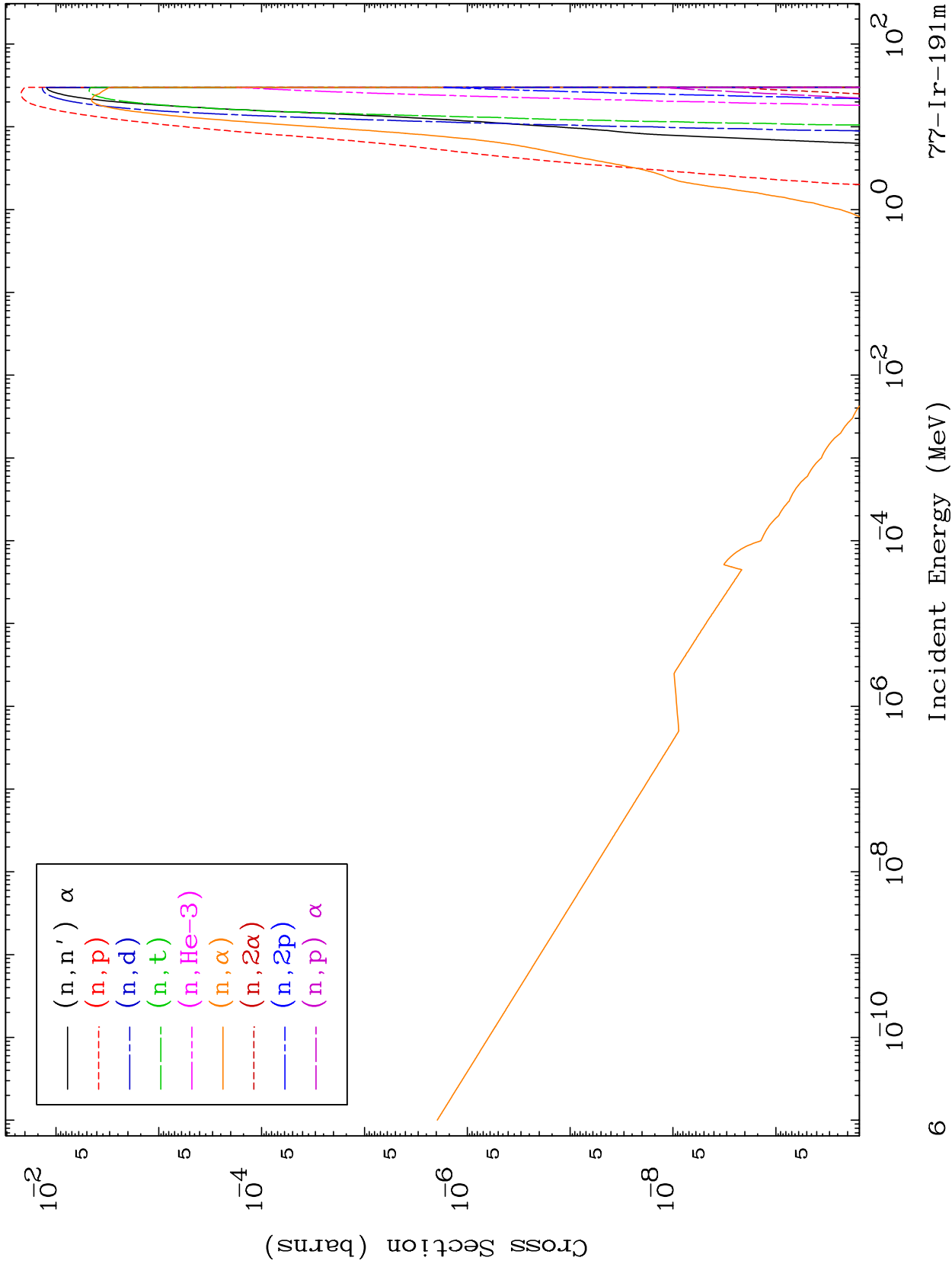
77-Ir-191m



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Charged Particle
293 Kelvin Cross Sections

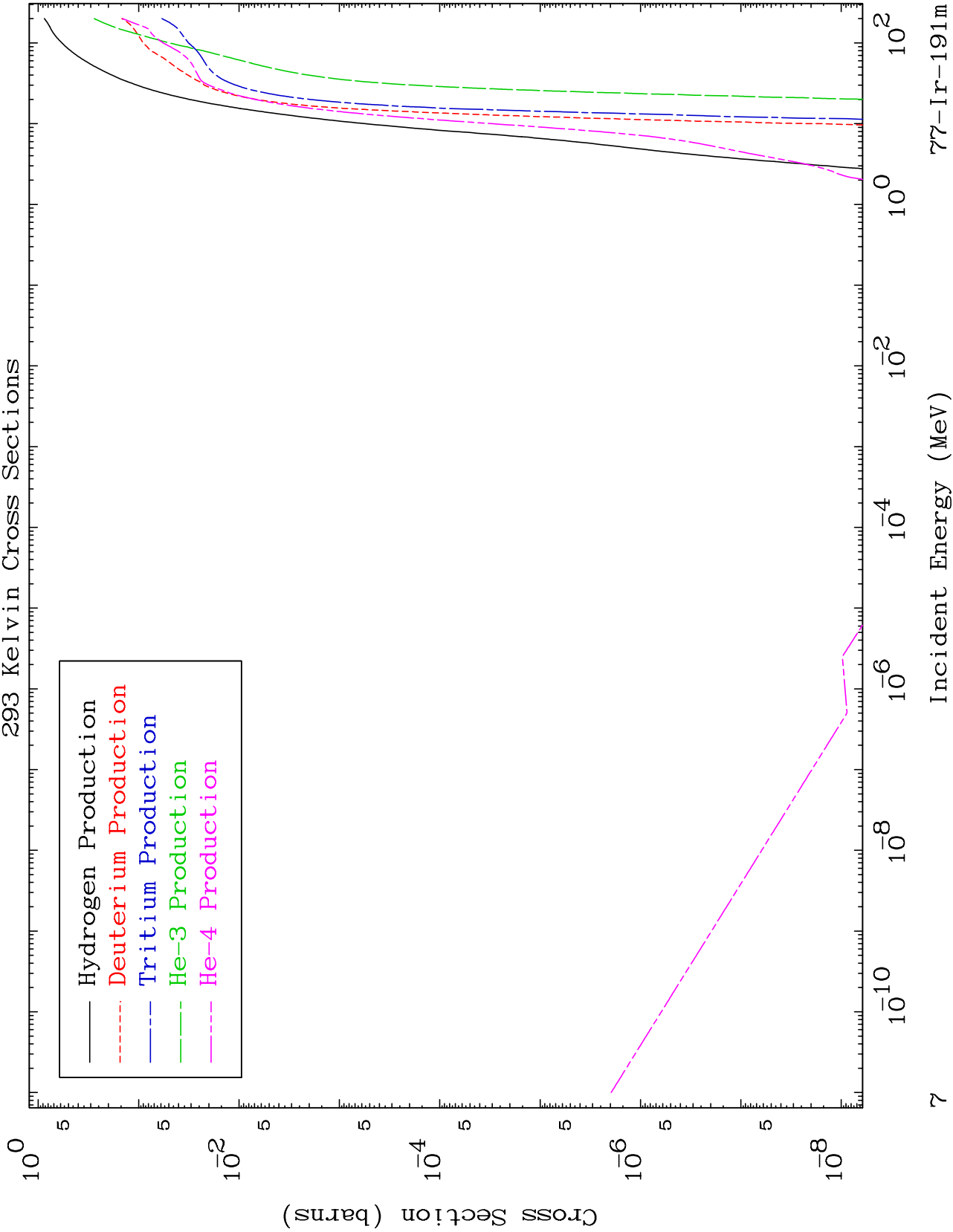
77-Ir-191m

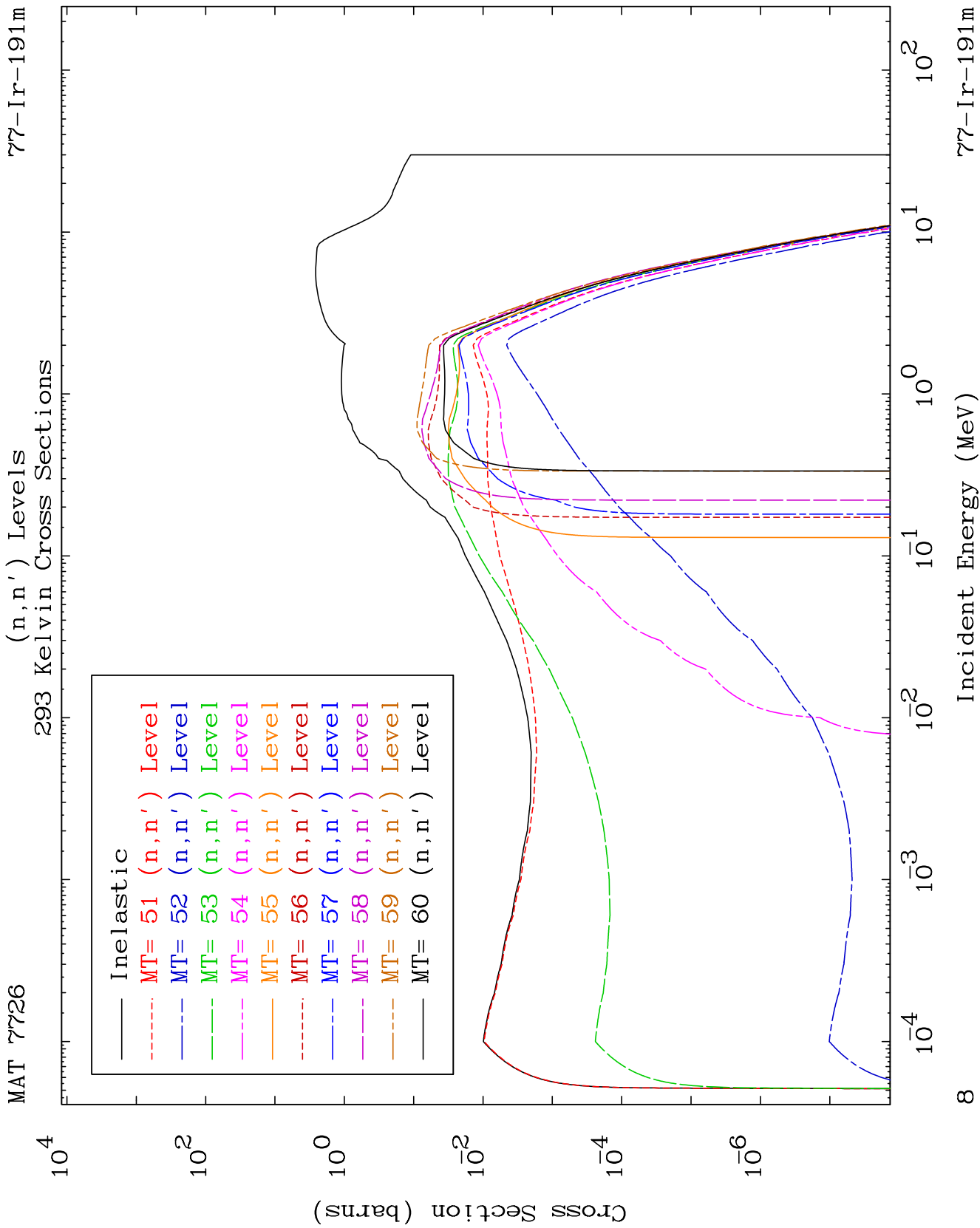


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Particle Production
293 Kelvin Cross Sections

77-Ir-191m

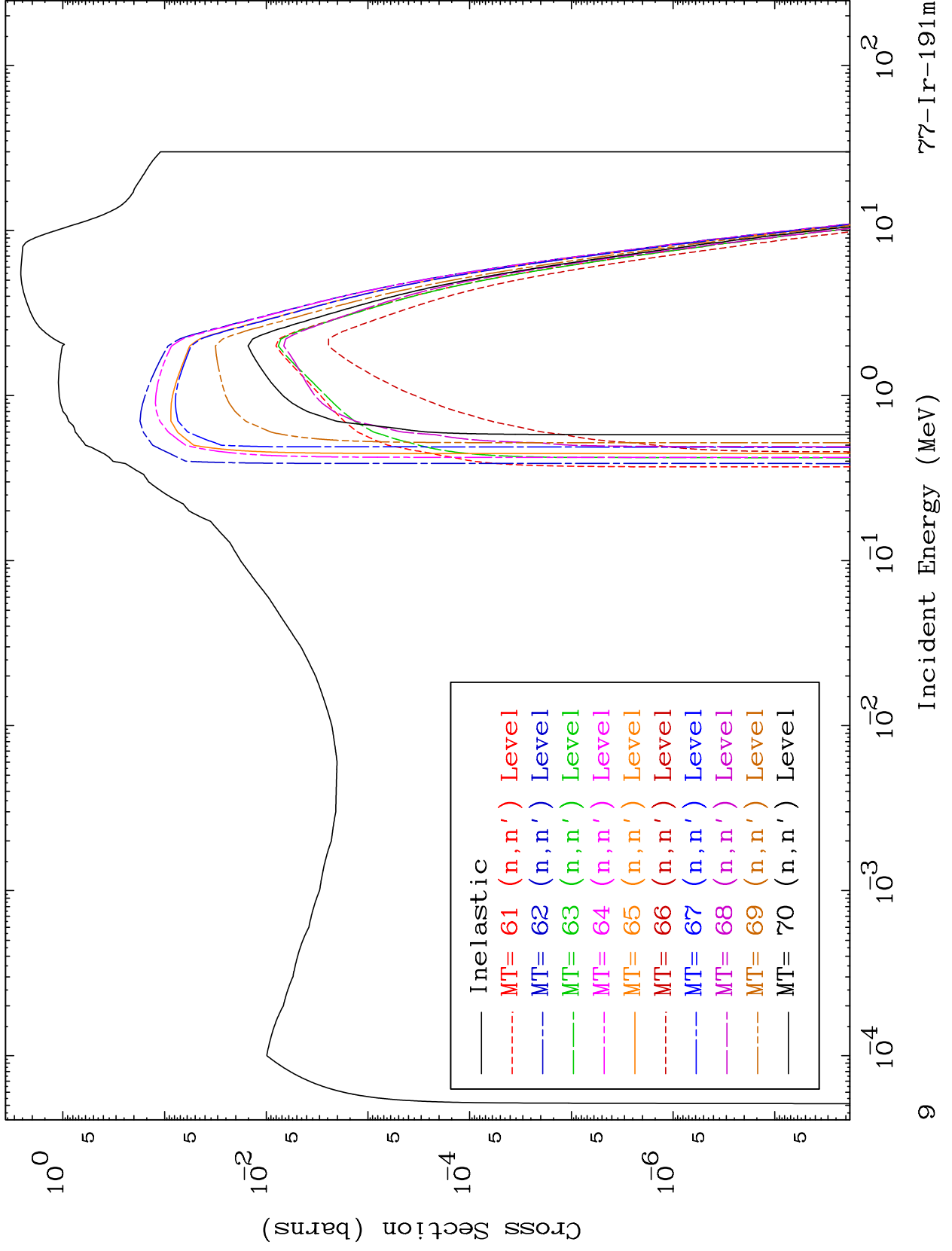




MAT 7726

(n,n') Levels
293 Kelvin Cross Sections

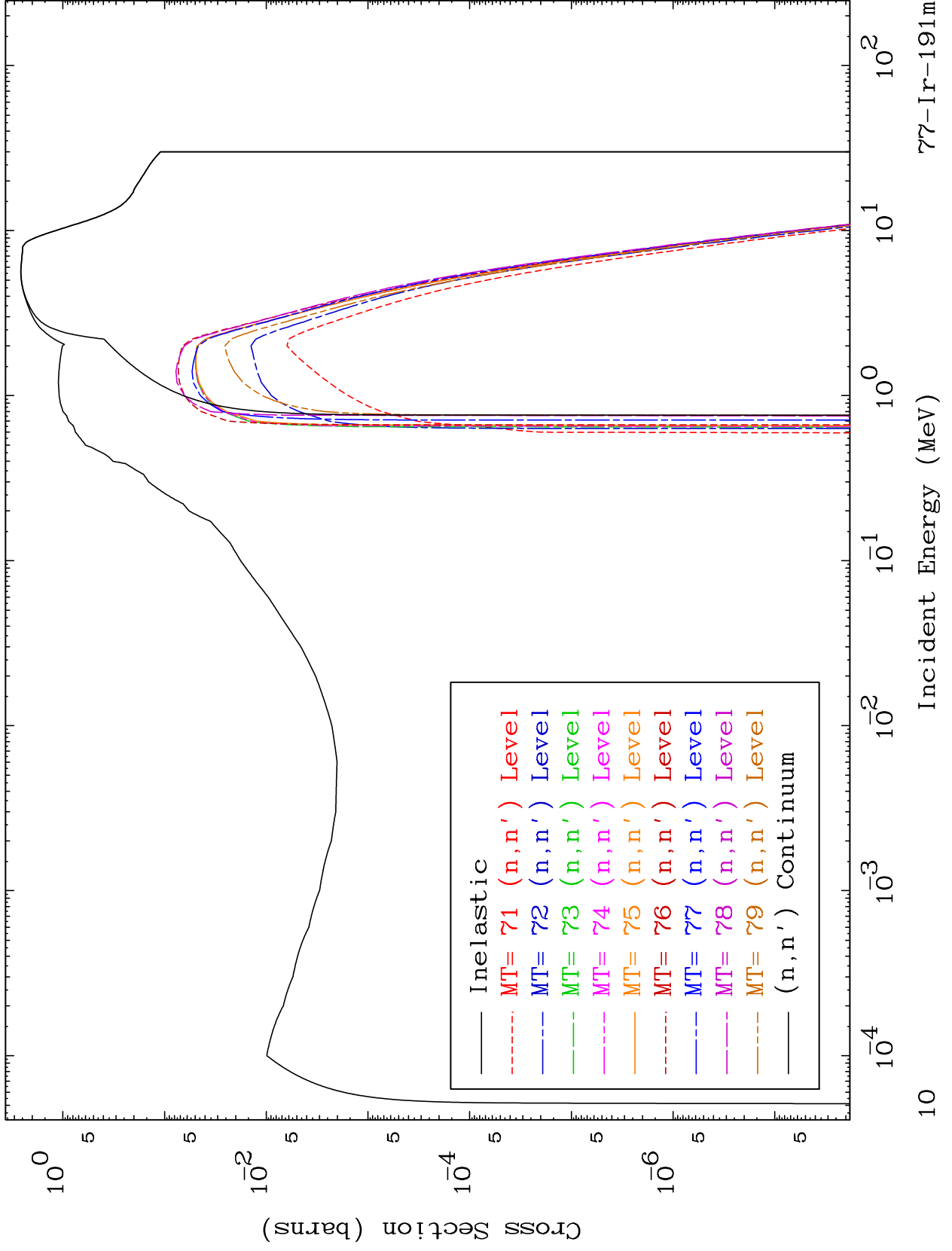
77-Ir-191m



MAT 7726

(n,n') Levels
293 Kelvin Cross Sections

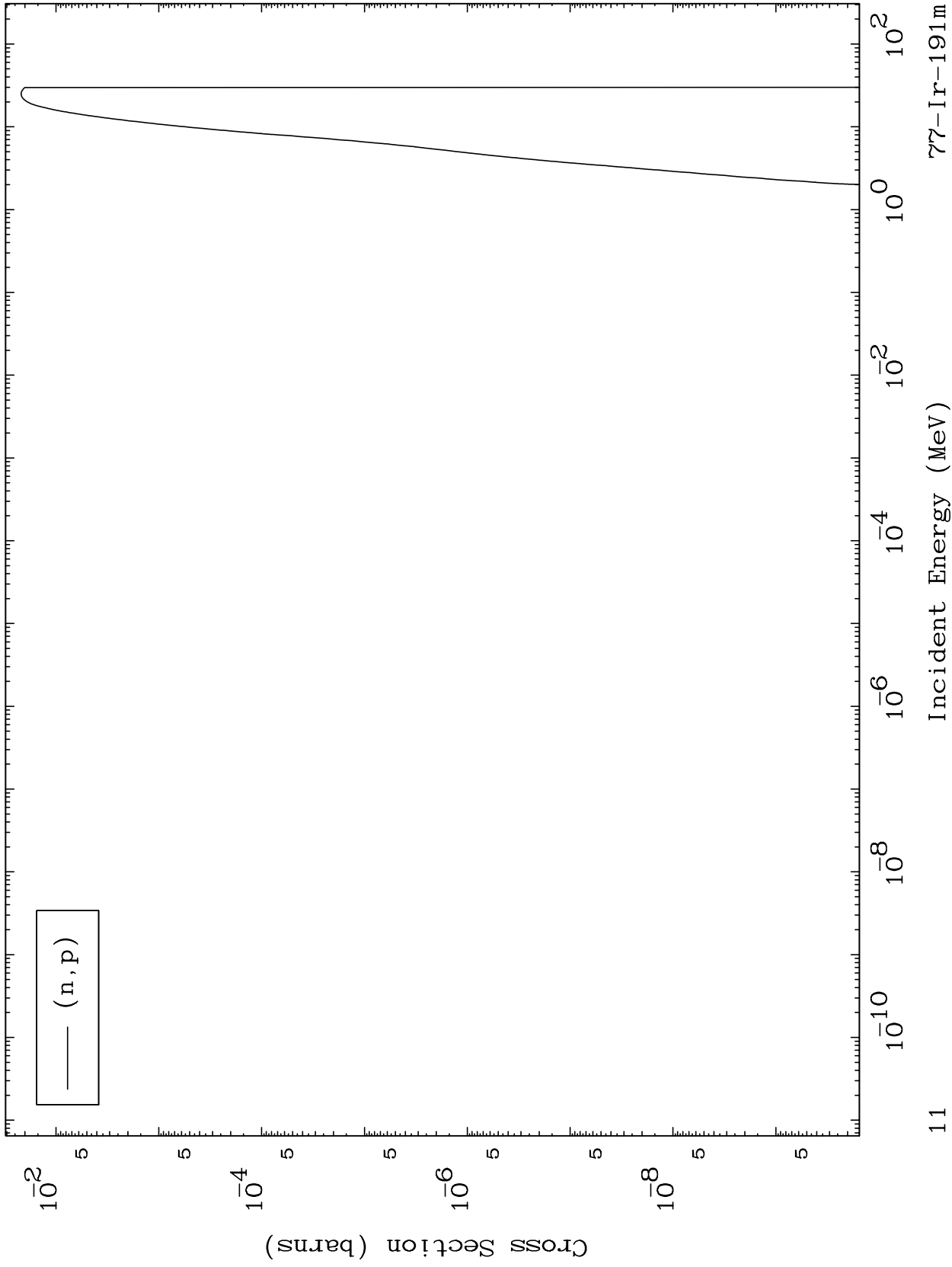
77-Ir-191m



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(n,p) Levels
293 Kelvin Cross Sections

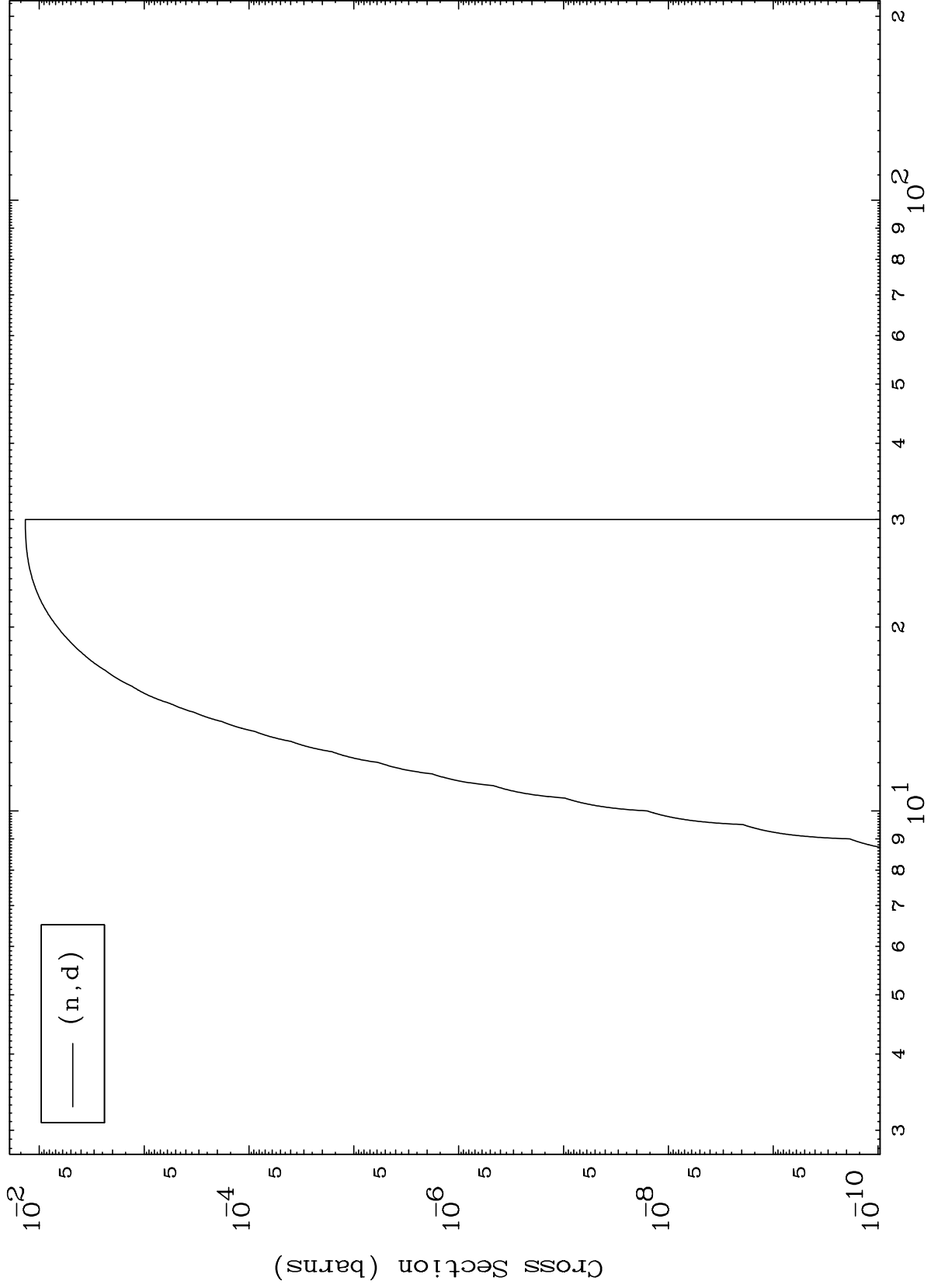
⁷⁷Ir-191m



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(n,d) Levels
293 Kelvin Cross Sections

77-Ir-191m



12

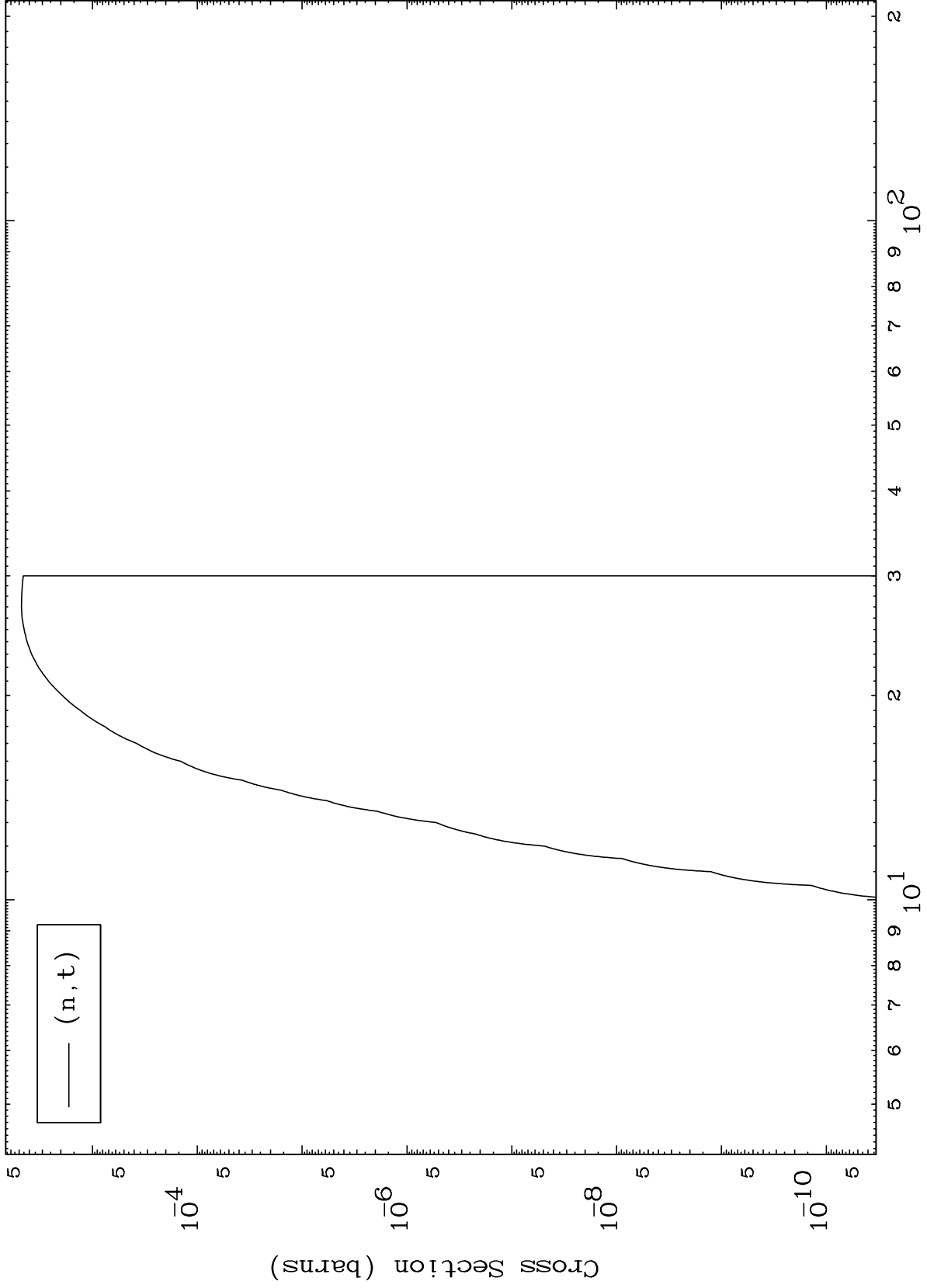
Incident Energy (MeV)

77-Ir-191m

MAT 7726

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-191m



13

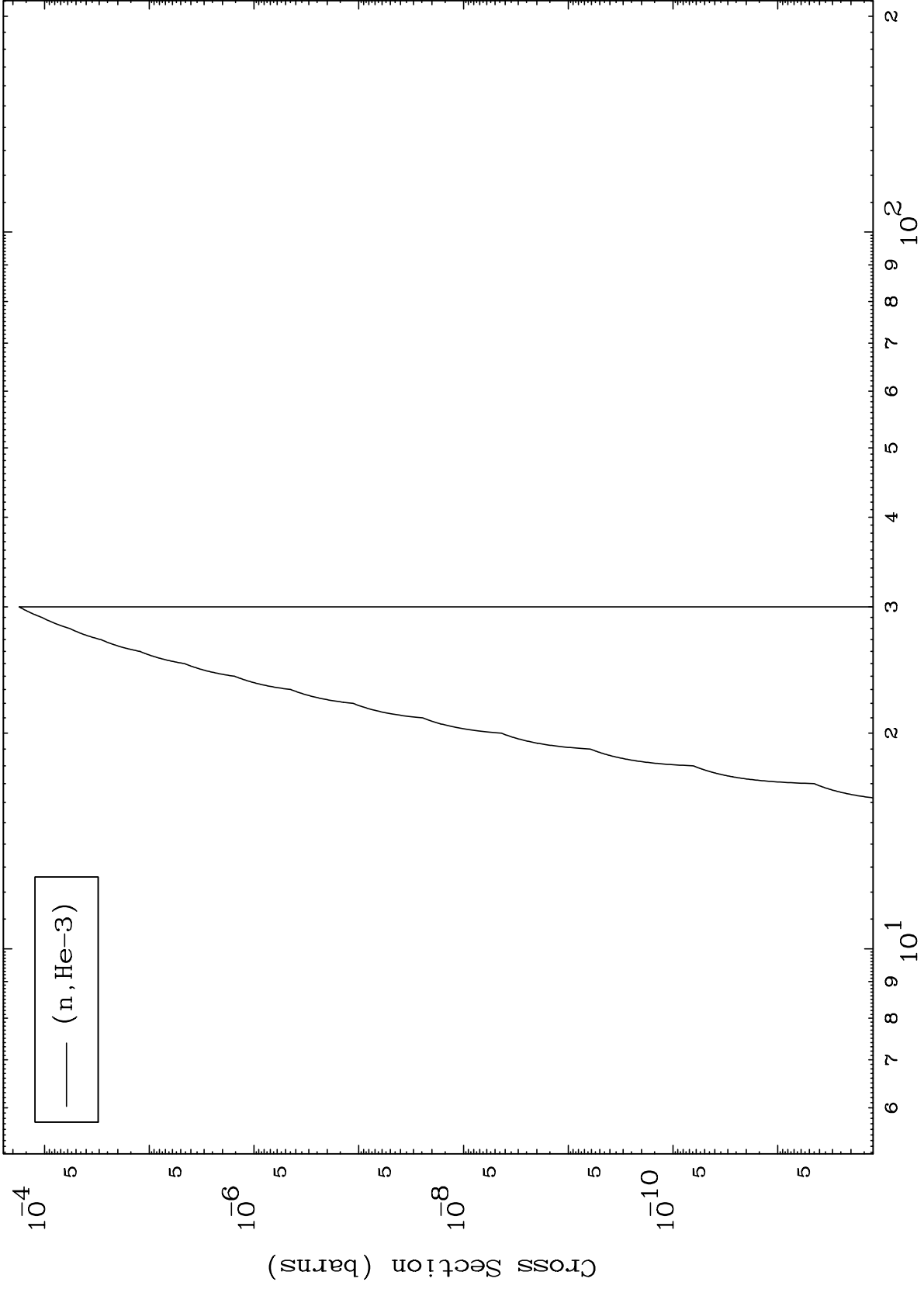
Incident Energy (MeV)

77-Ir-191m

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(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-191m



14

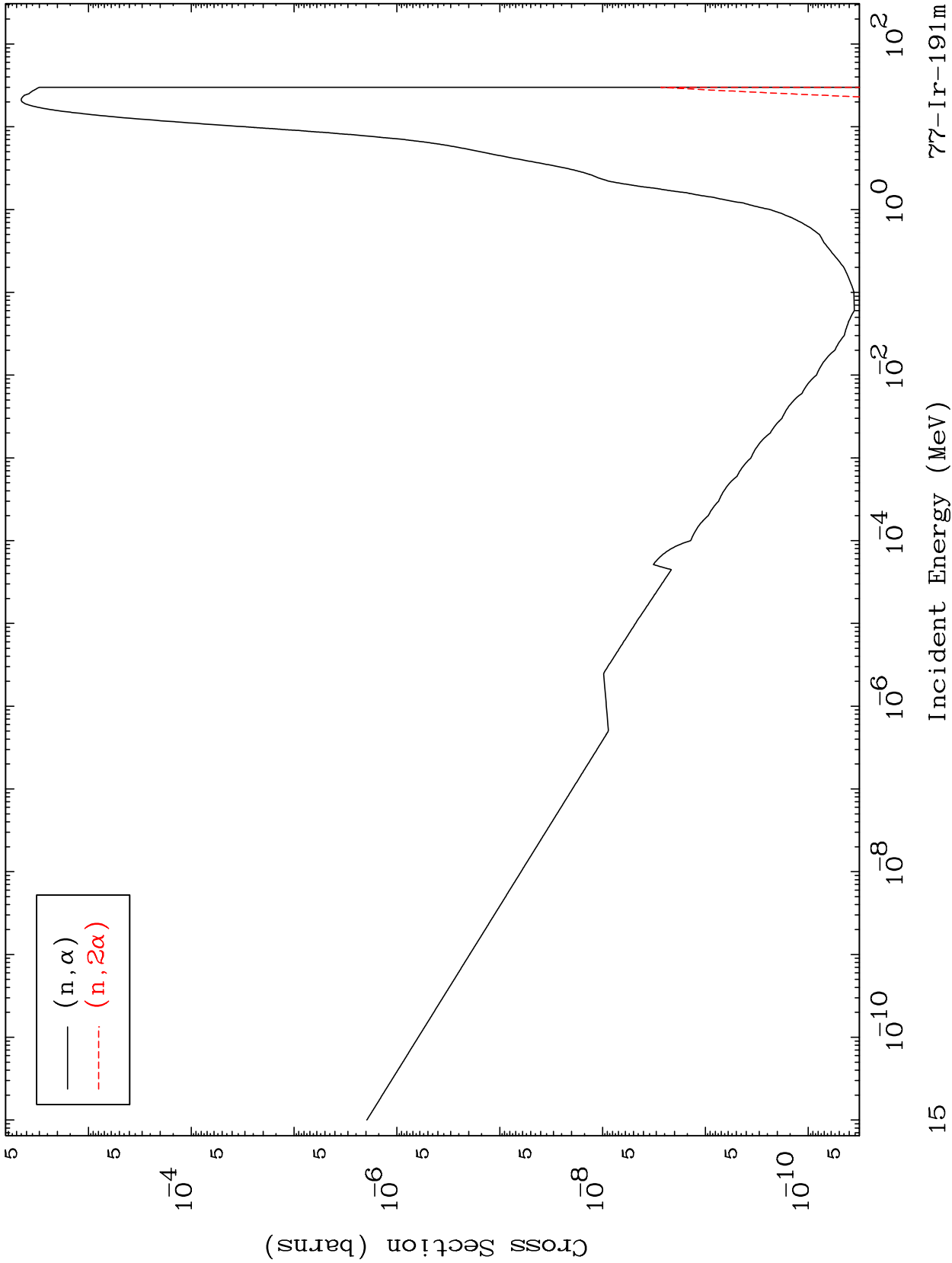
Incident Energy (MeV)

77-Ir-191m

MAT 7726

(n, α) Levels
293 Kelvin Cross Sections

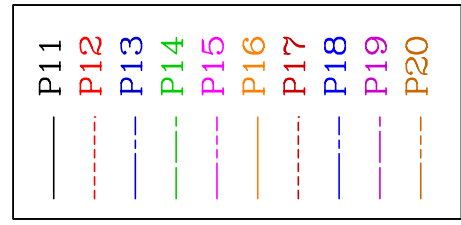
77-Ir-191m



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Elastic Legendre Coefficients

77-Ir-191m



$\times 10^{-4}$
2.5
2.0
1.5
1.0
0.5
0.0

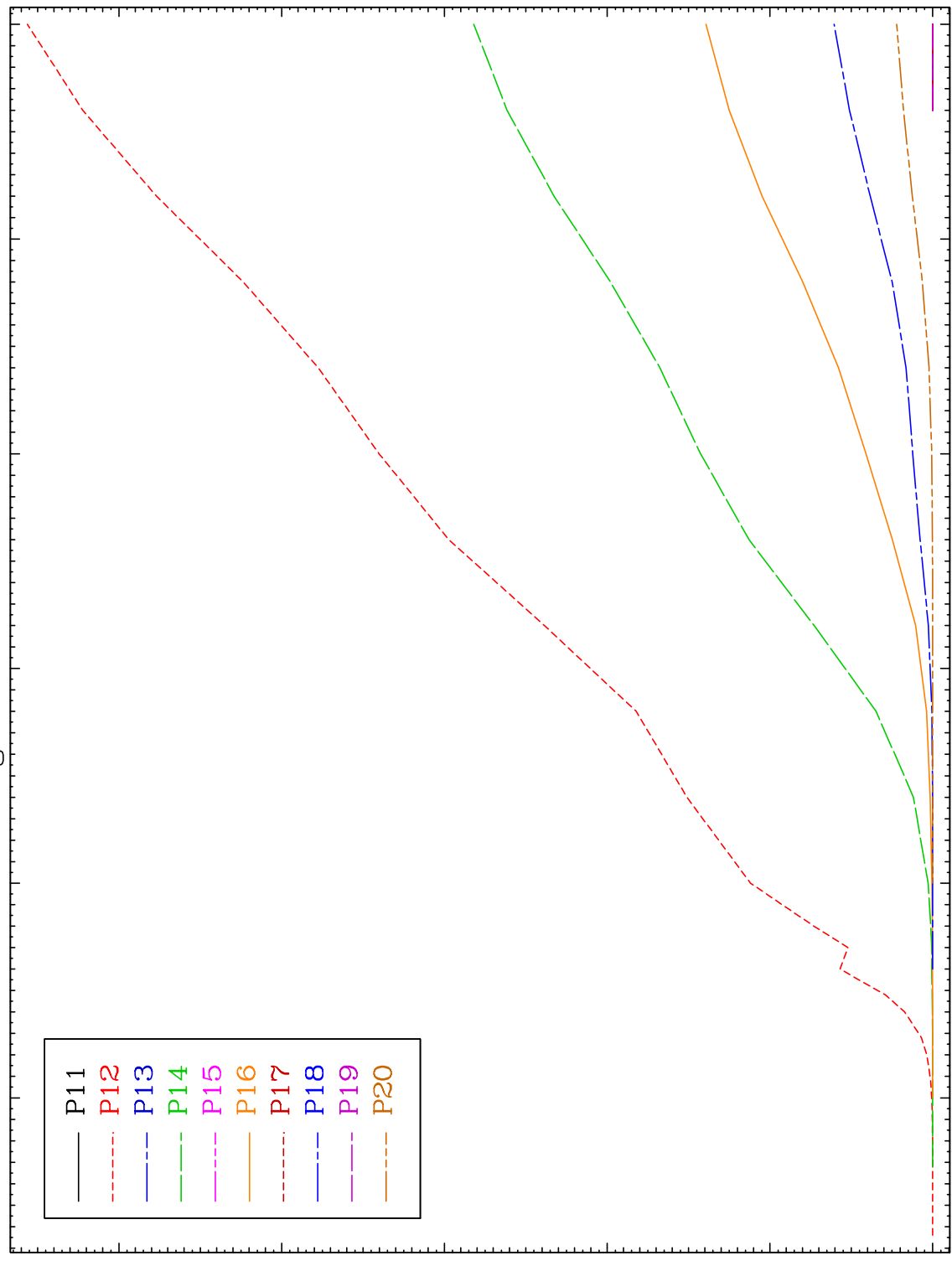
Legendre (CM)

5 10 15 20 25 30

17

Incident Energy (MeV)

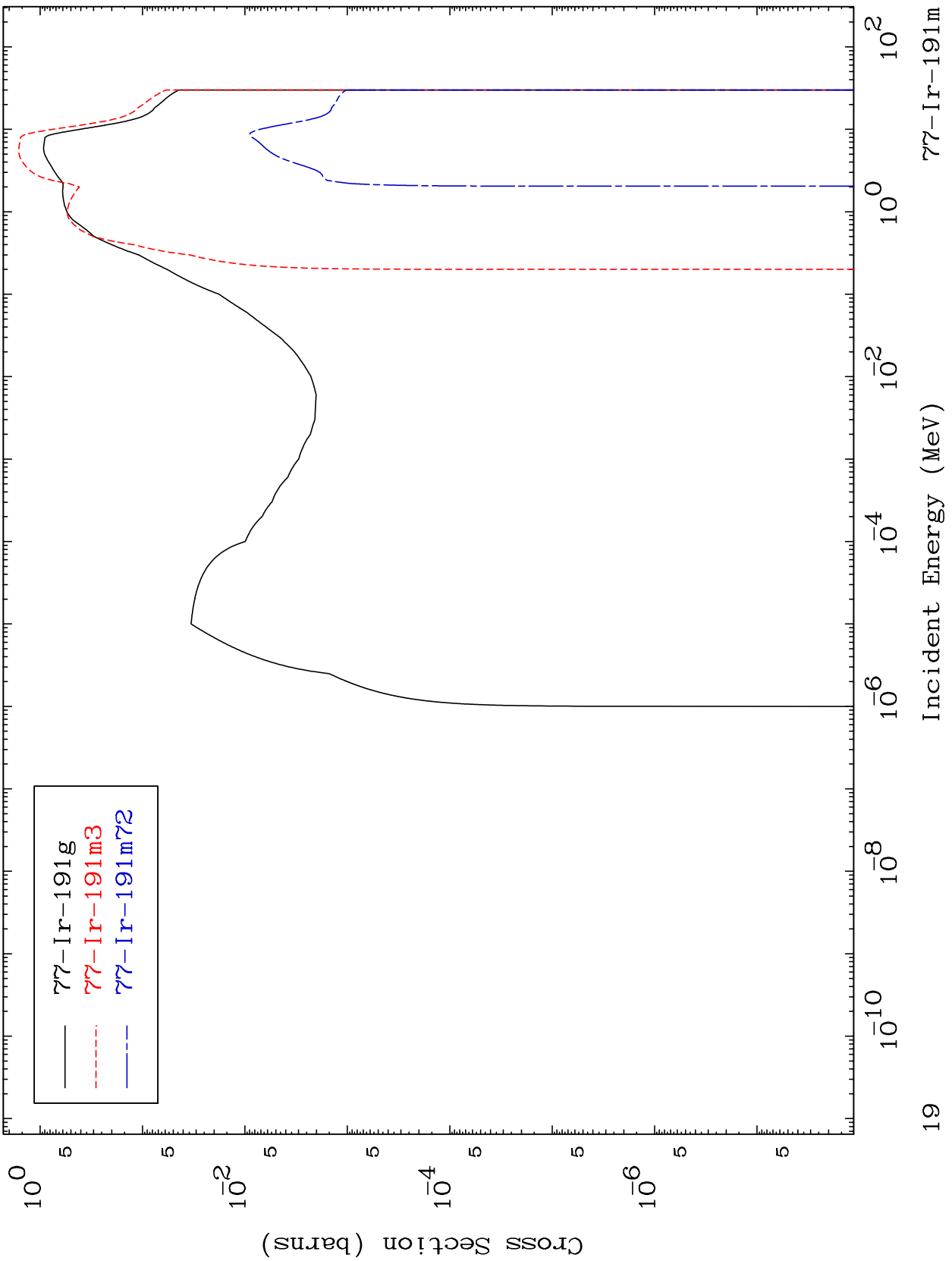
77-Ir-191m



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⁷⁷Ir-191m

Inelastic
Radionuclide Production Cross Section

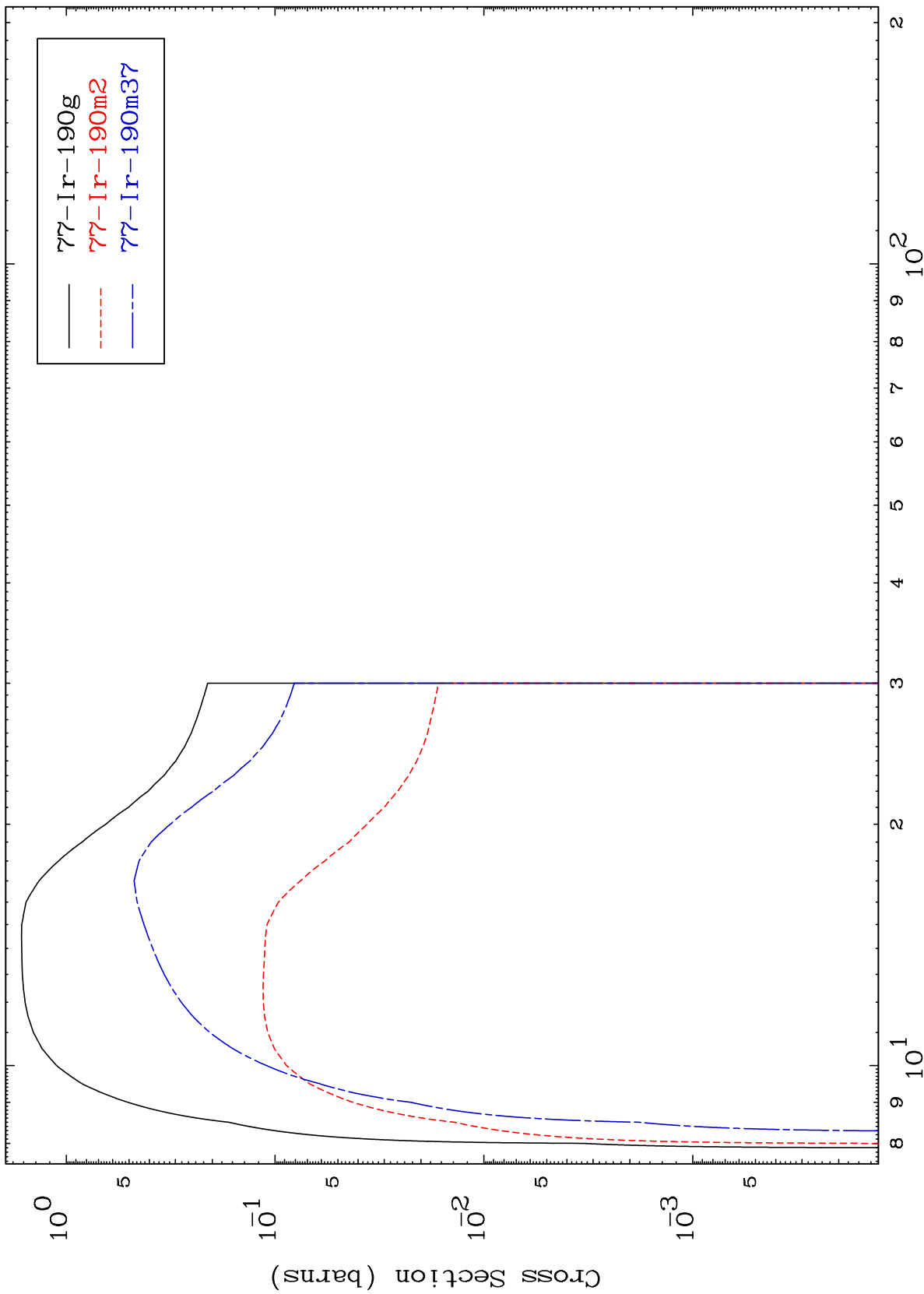


— ⁷⁷Ir-191g
- - - ⁷⁷Ir-191m3
- · - ⁷⁷Ir-191m72

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⁷⁷Ir-191m

(n,2n)
Radionuclide Production Cross Section



⁷⁷Ir-191m

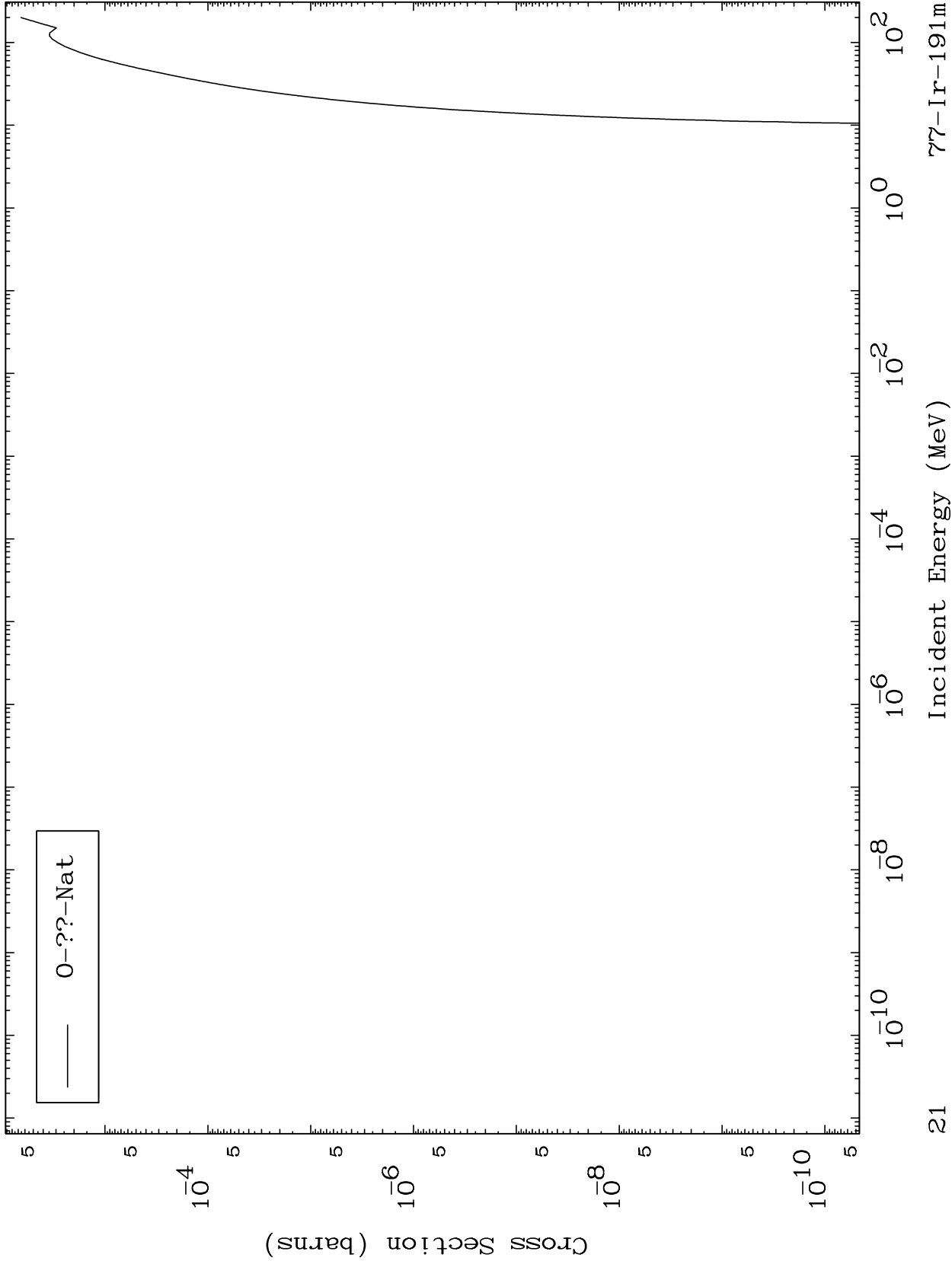
Incident Energy (MeV)

20

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Fission
Radionuclide Production Cross Section

⁷⁷Ir-191m

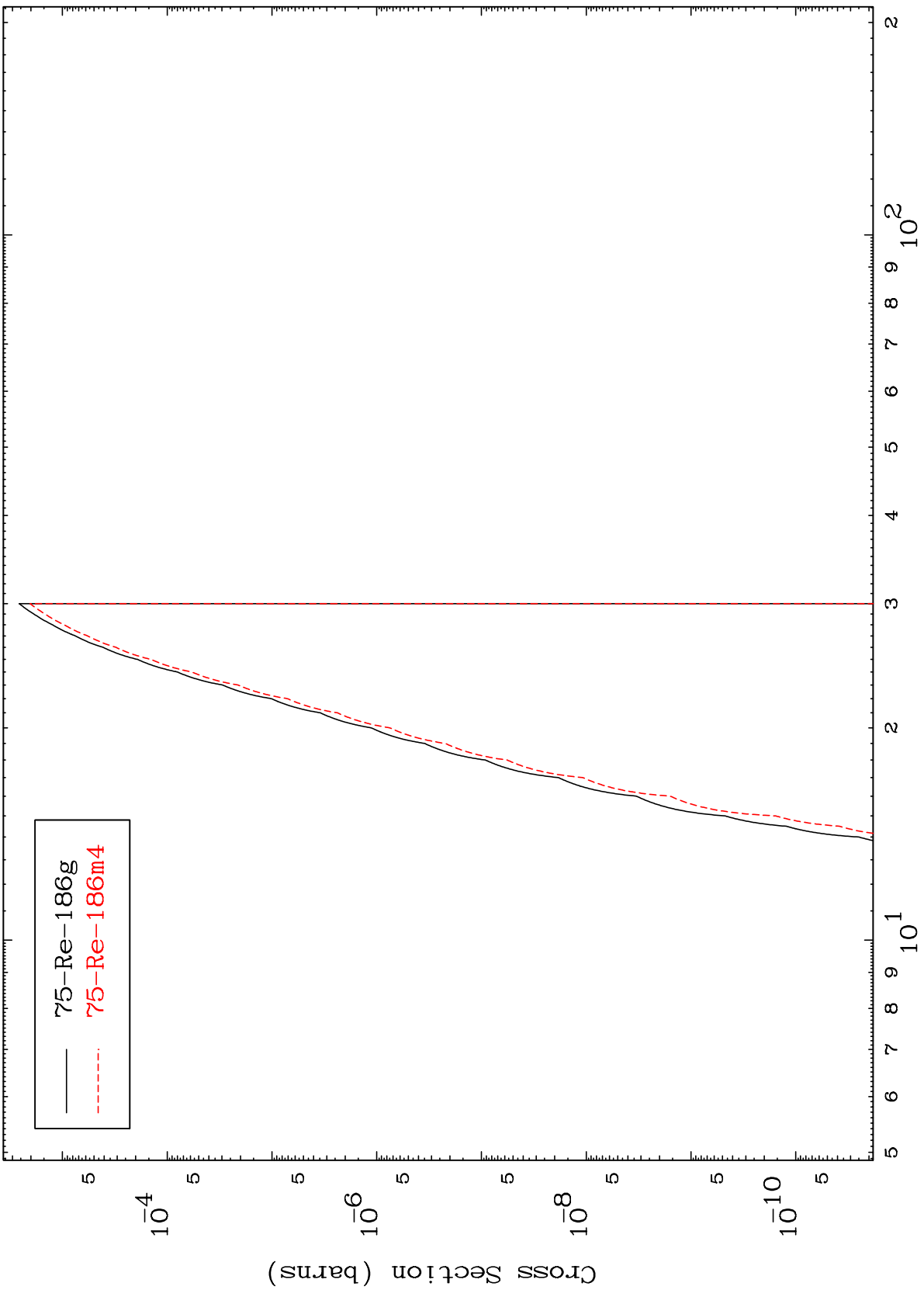


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$(n, 2n) \alpha$

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

Radionuclide Production Cross Section



22

Incident Energy (MeV)

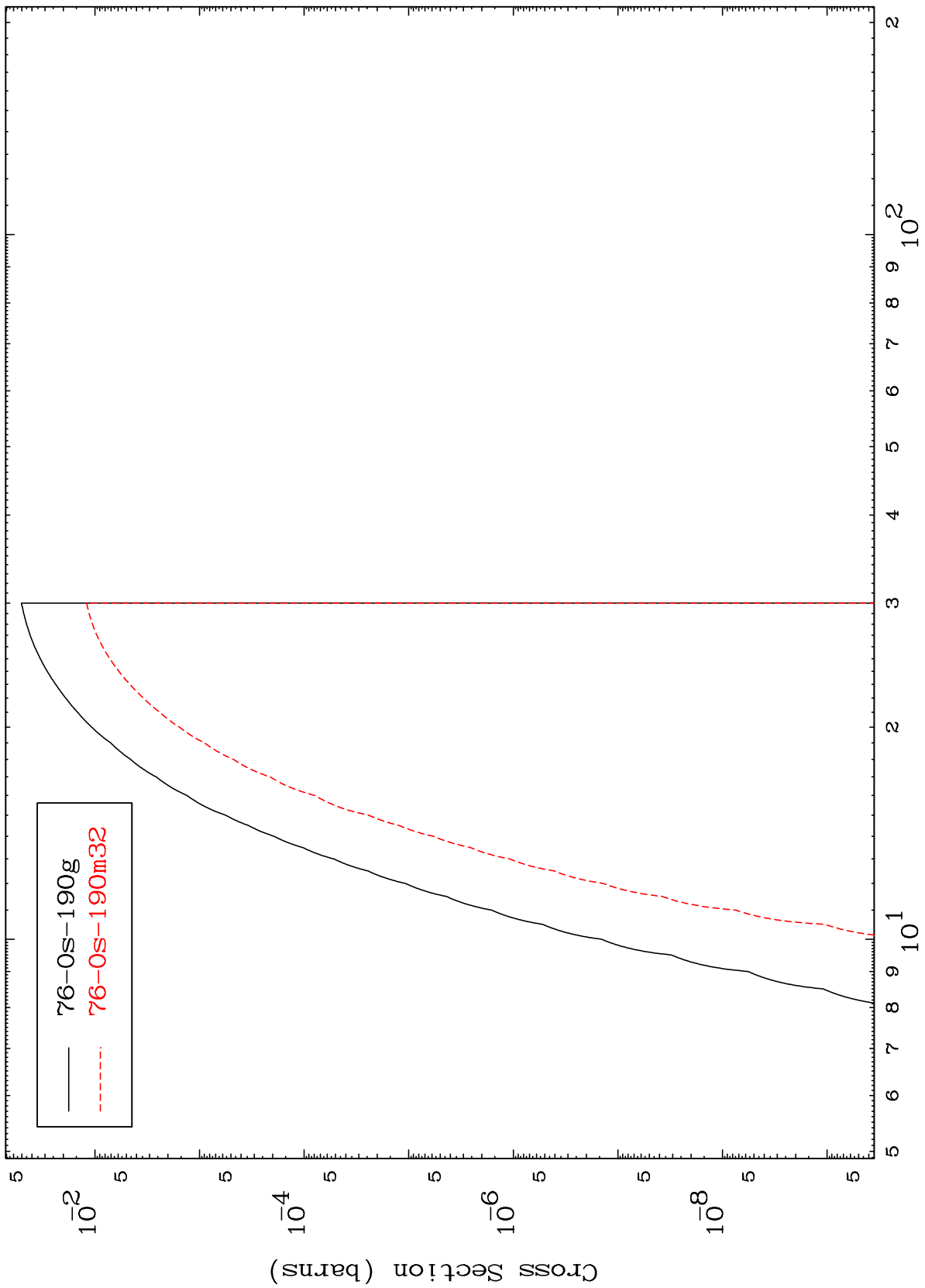
$^{77}\text{Ir-191m}$

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(n,n') p

77-Ir-191m

Radionuclide Production Cross Section



23

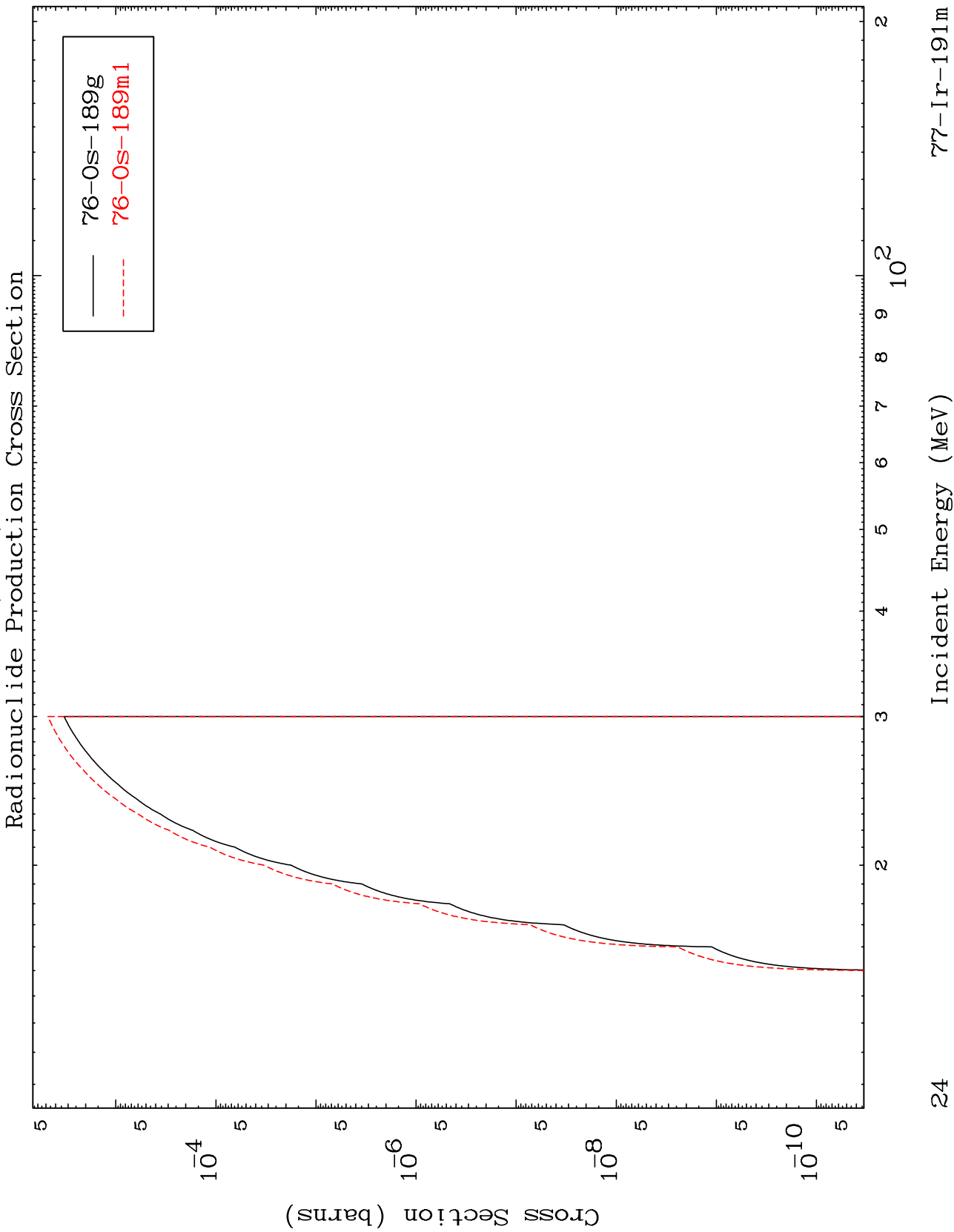
Incident Energy (MeV)

77-Ir-191m

MAT 7726

(n,n') d

77-Ir-191m

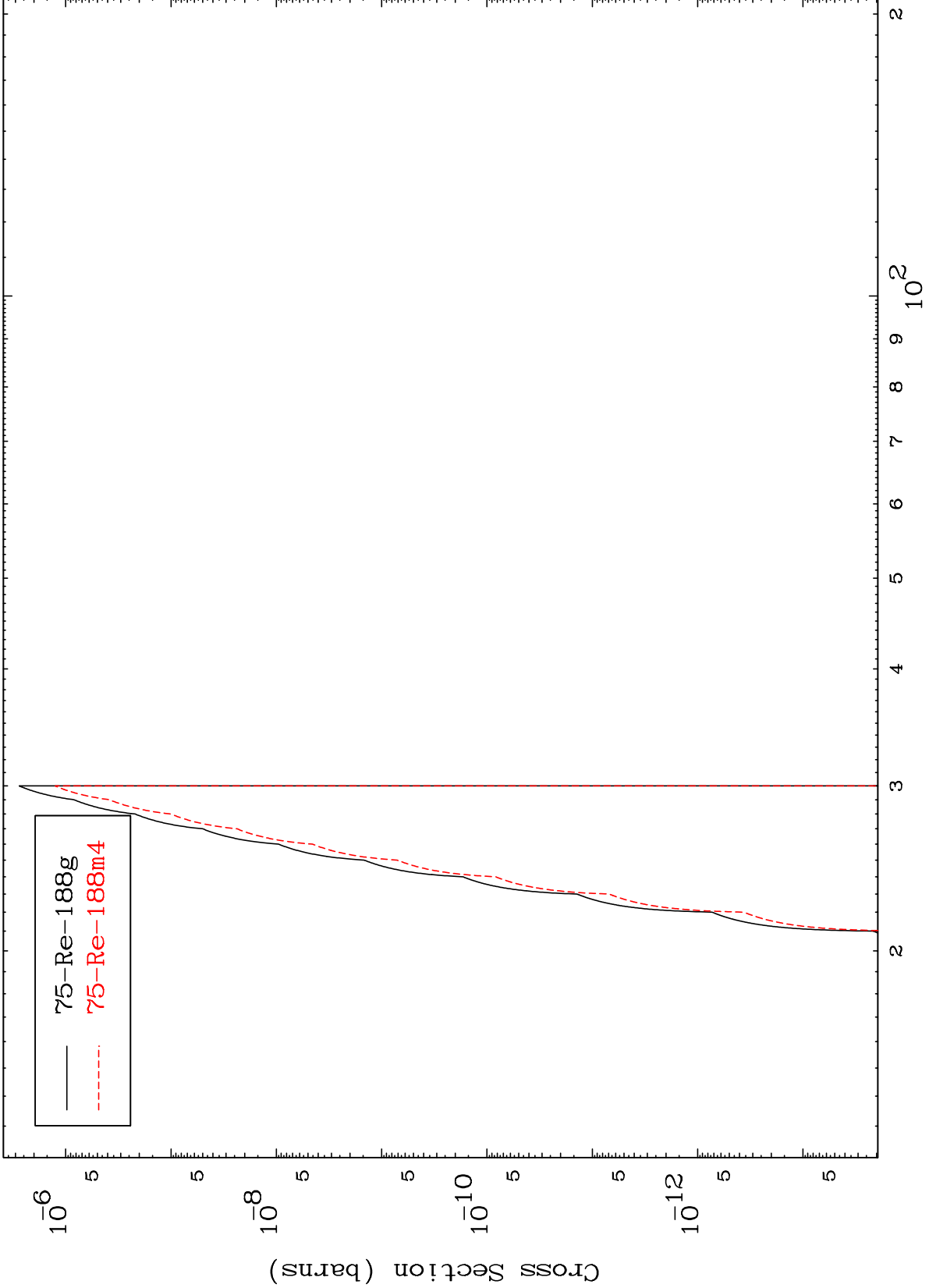


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(n,n') He-3

77-Ir-191m

Radionuclide Production Cross Section

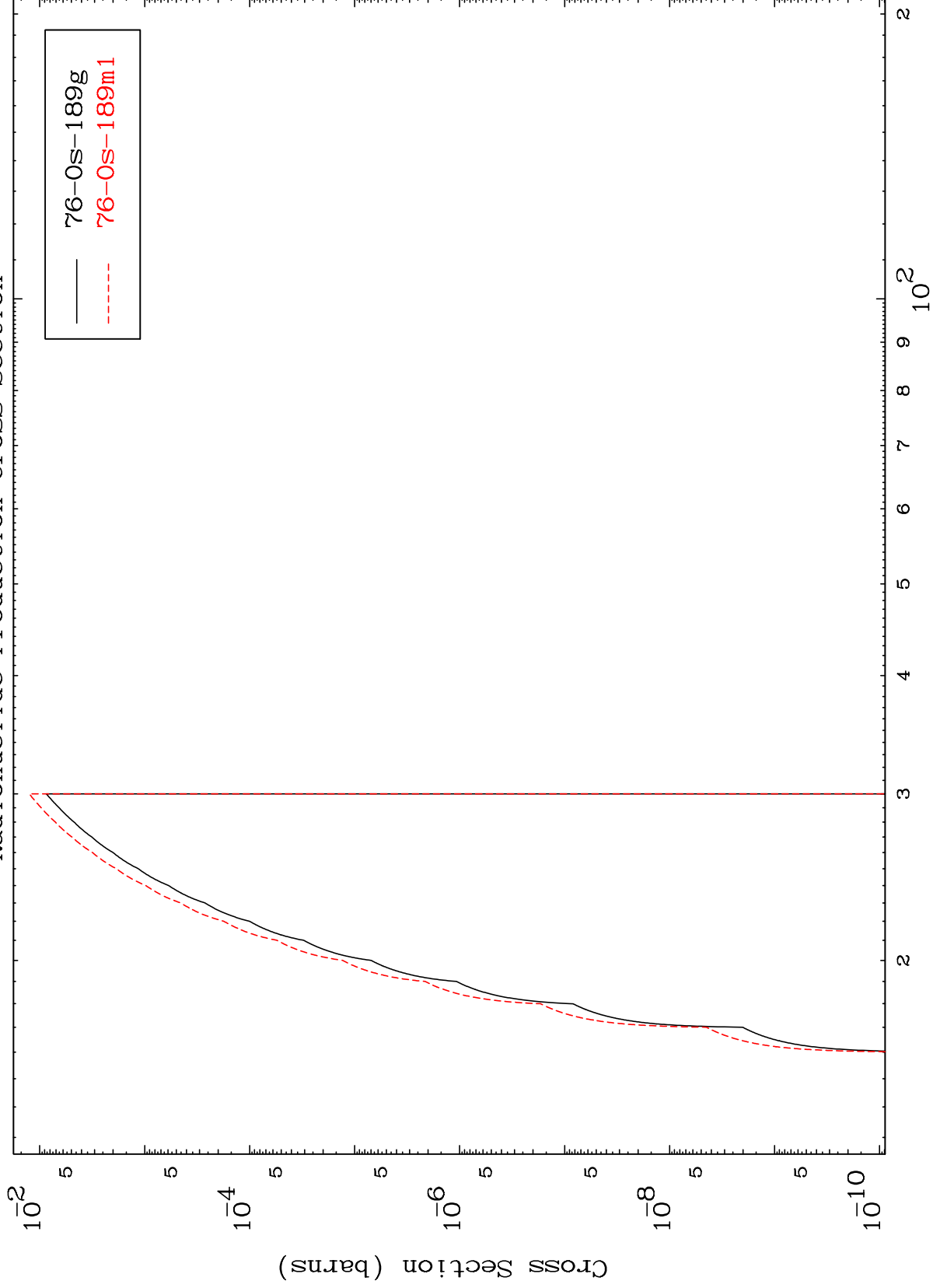


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(n,2n) p

77-Ir-191m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

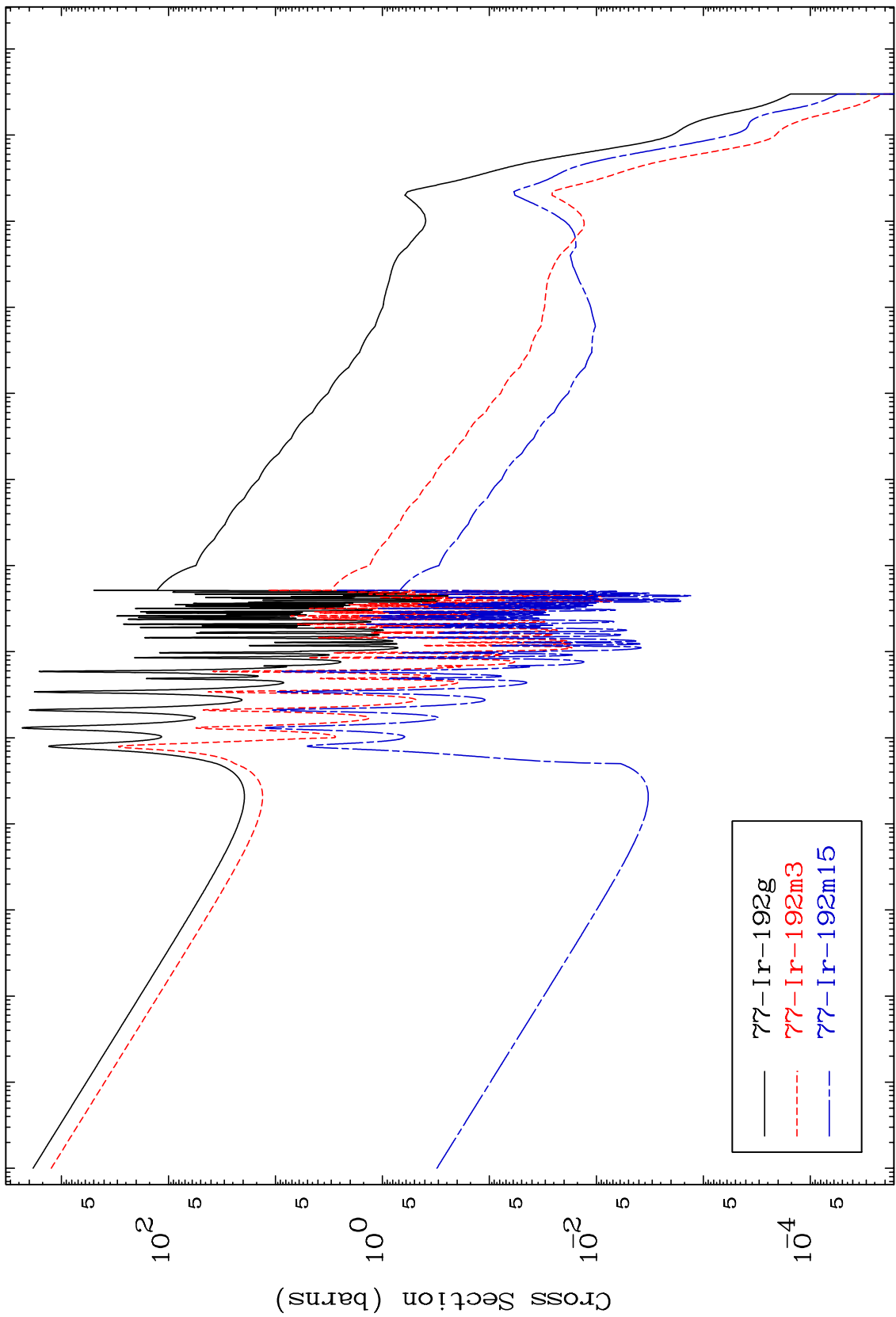
77-Ir-191m

MAT 7726

⁷⁷Ir-191m

Radionuclide Production Cross Section

(n,γ)



⁷⁷Ir-191m

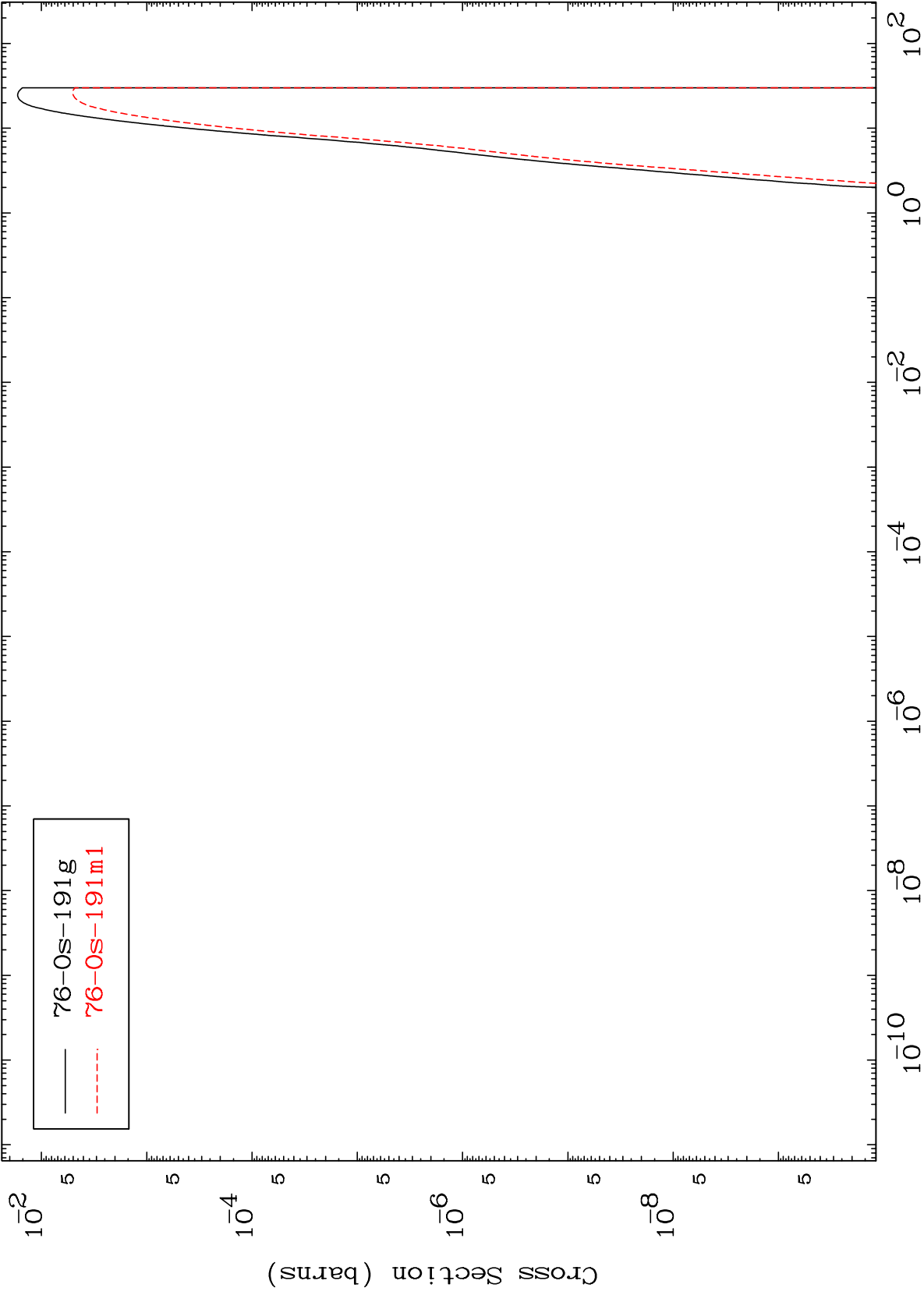
Incident Energy (MeV)

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(n,p)

⁷⁷Ir-191m

Radionuclide Production Cross Section



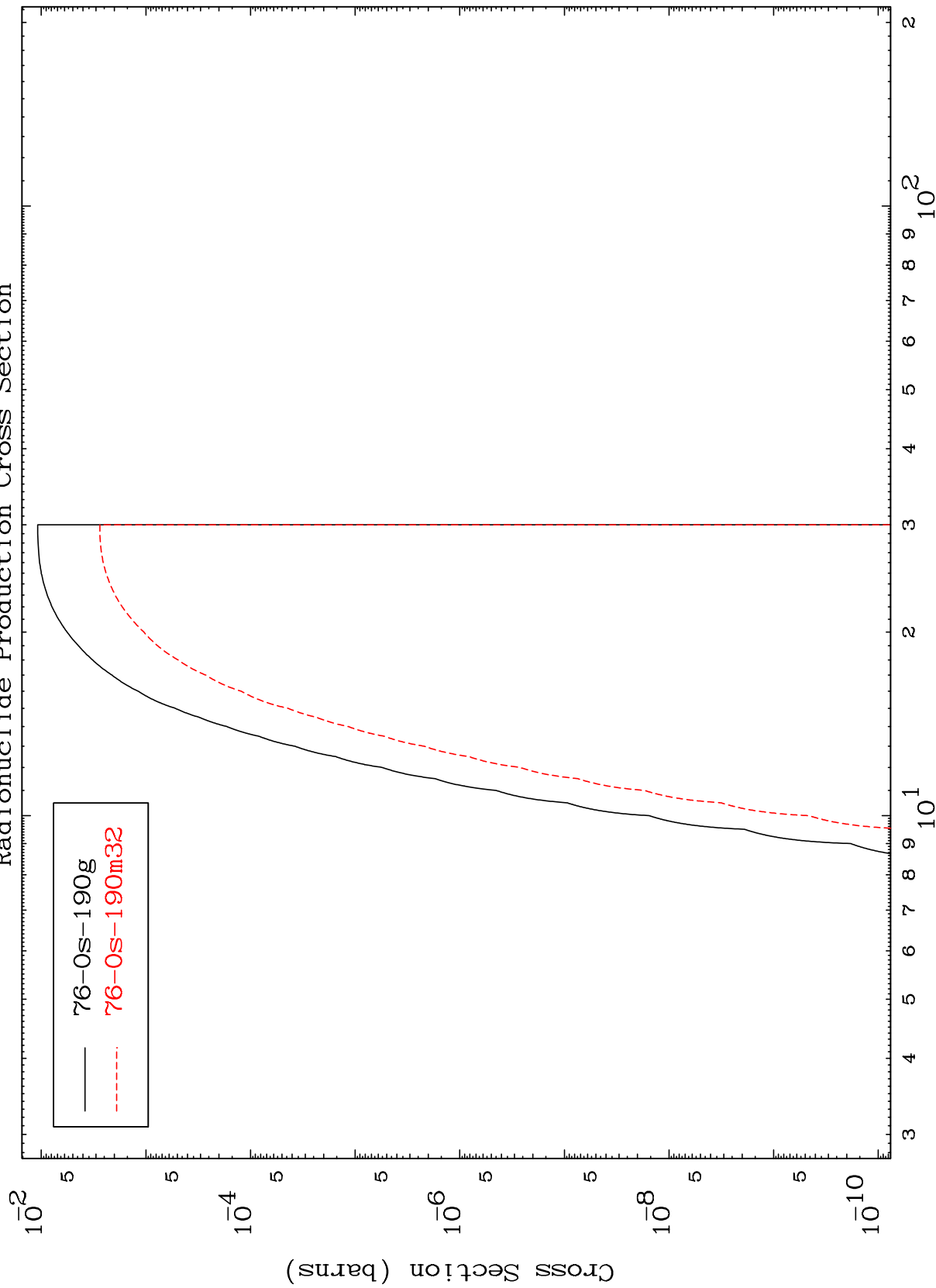
— 76-Os-191g
- - - 76-Os-191m1

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(n,d)

⁷⁷Ir-191m

Radionuclide Production Cross Section



76-Os-190g
76-Os-190m32

Incident Energy (MeV)

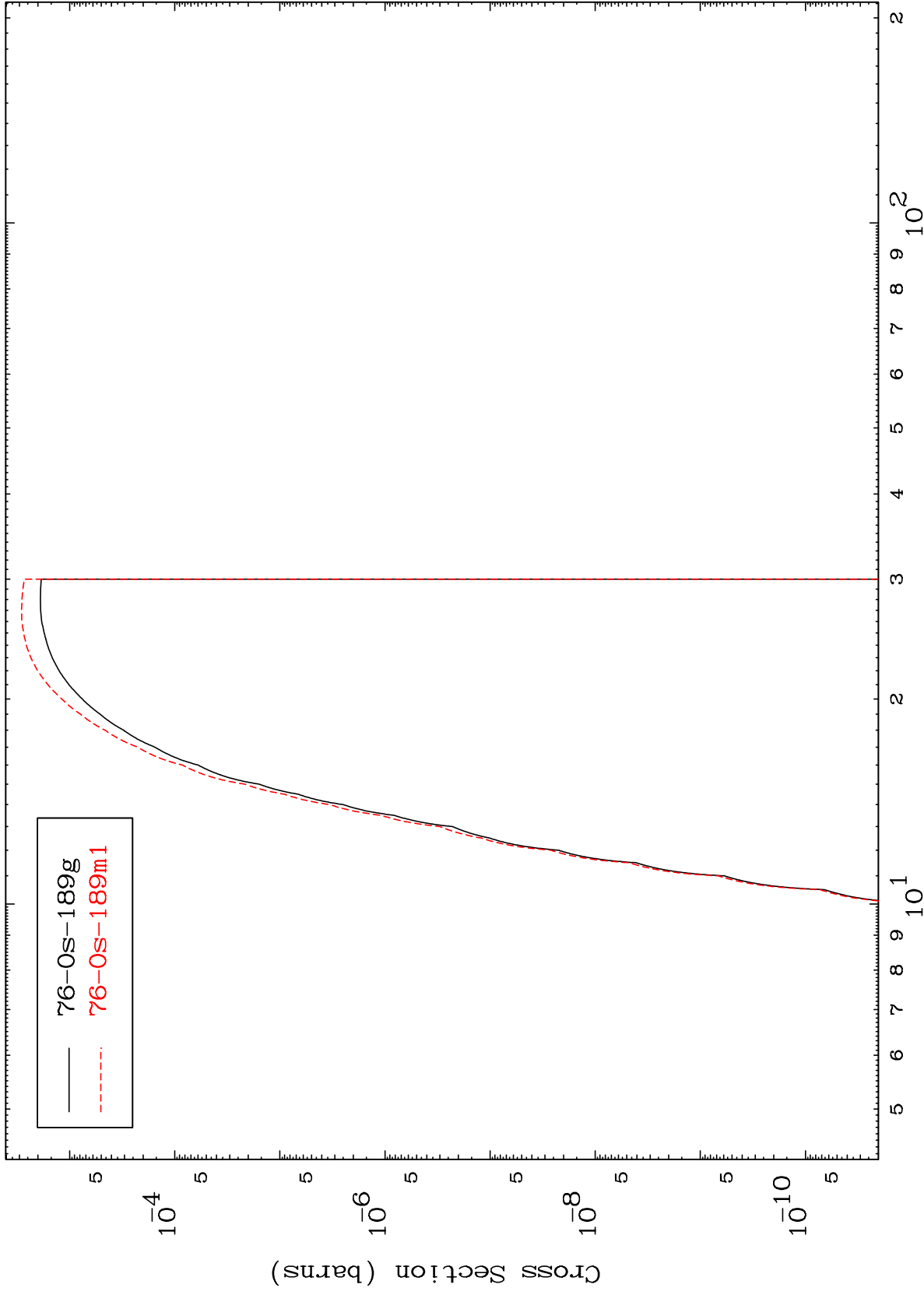
⁷⁷Ir-191m

29

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77-Ir-191m

Radionuclide Production Cross Section (n, t)



30

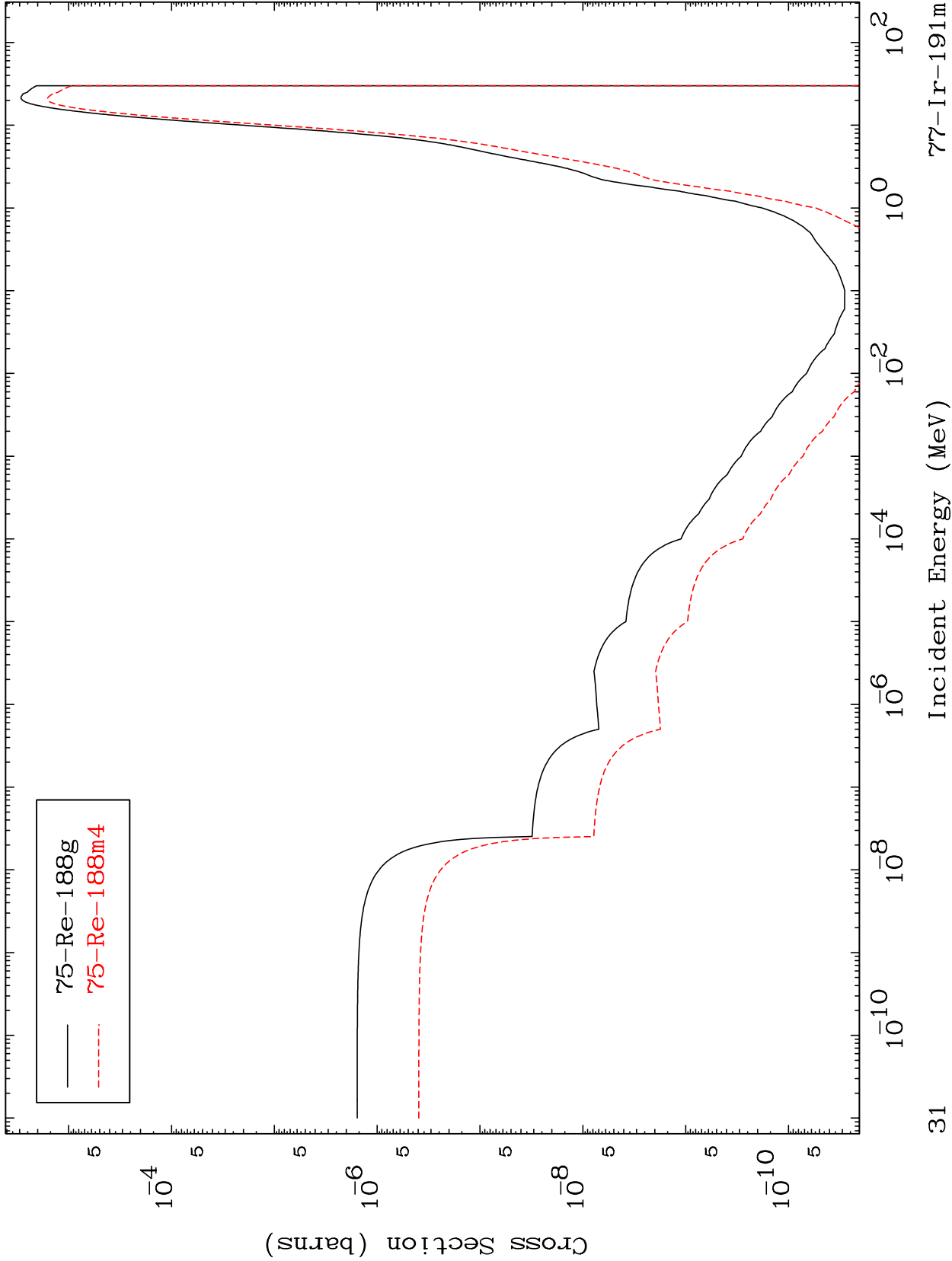
Incident Energy (MeV)

77-Ir-191m

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Radionuclide Production Cross Section
(n, α)

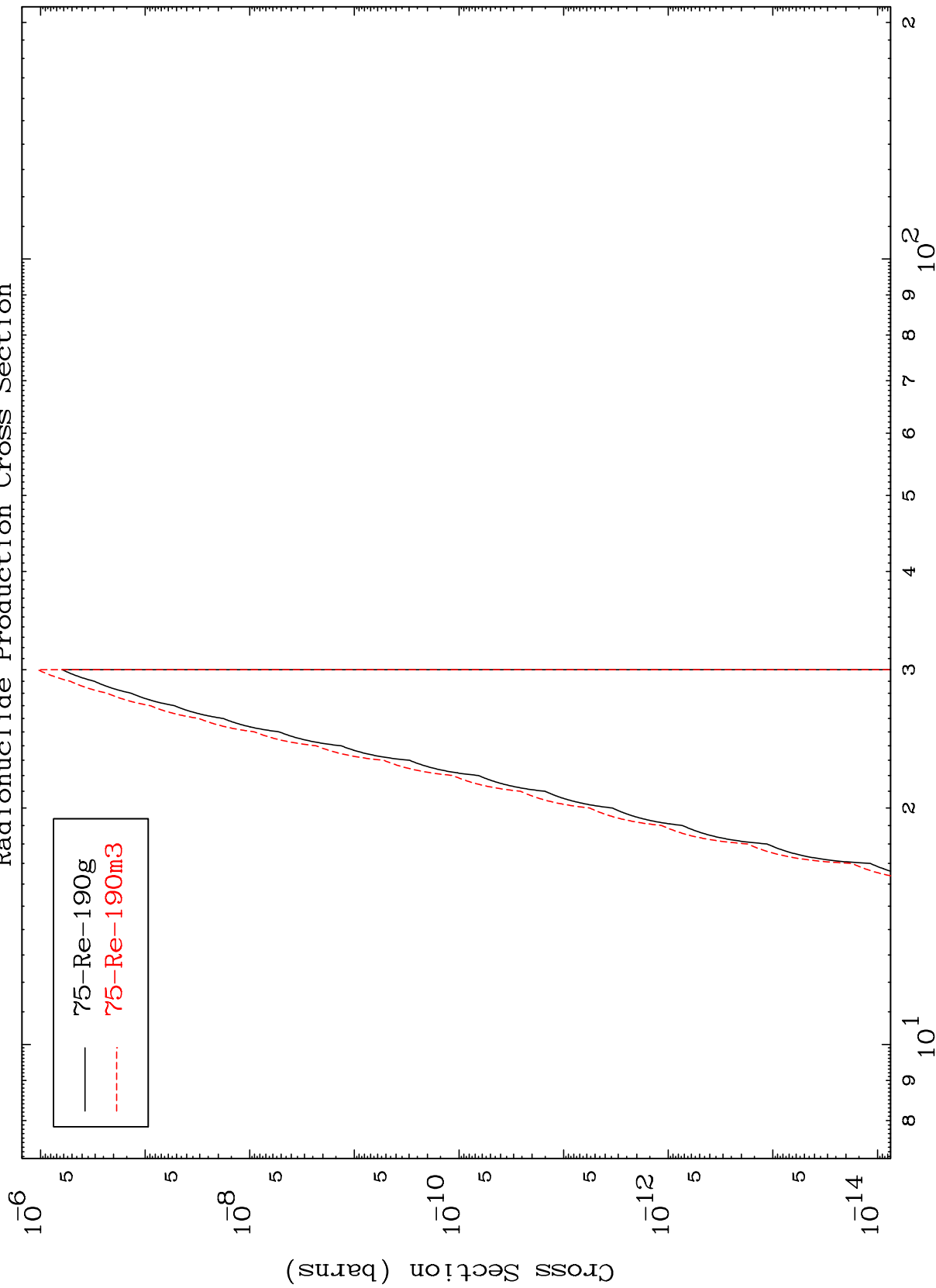
⁷⁷Ir-191m



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⁷⁷Ir-191m

Radionuclide Production Cross Section
(n,2p)



— 75-Re-190g
- - - 75-Re-190m3

⁷⁷Ir-191m

Incident Energy (MeV)