

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

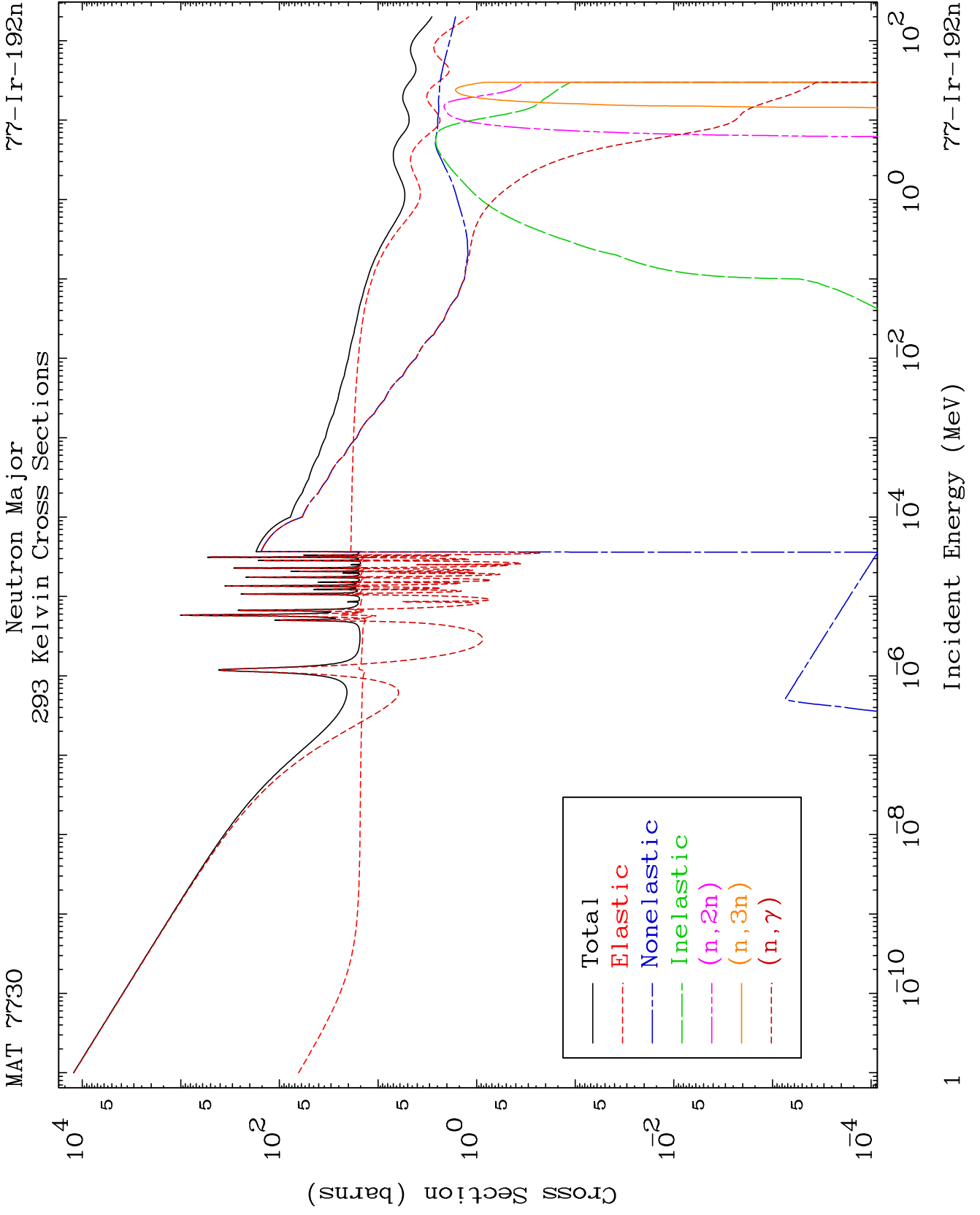
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Web:redcullen1.net/HOMEPAGE.NEW

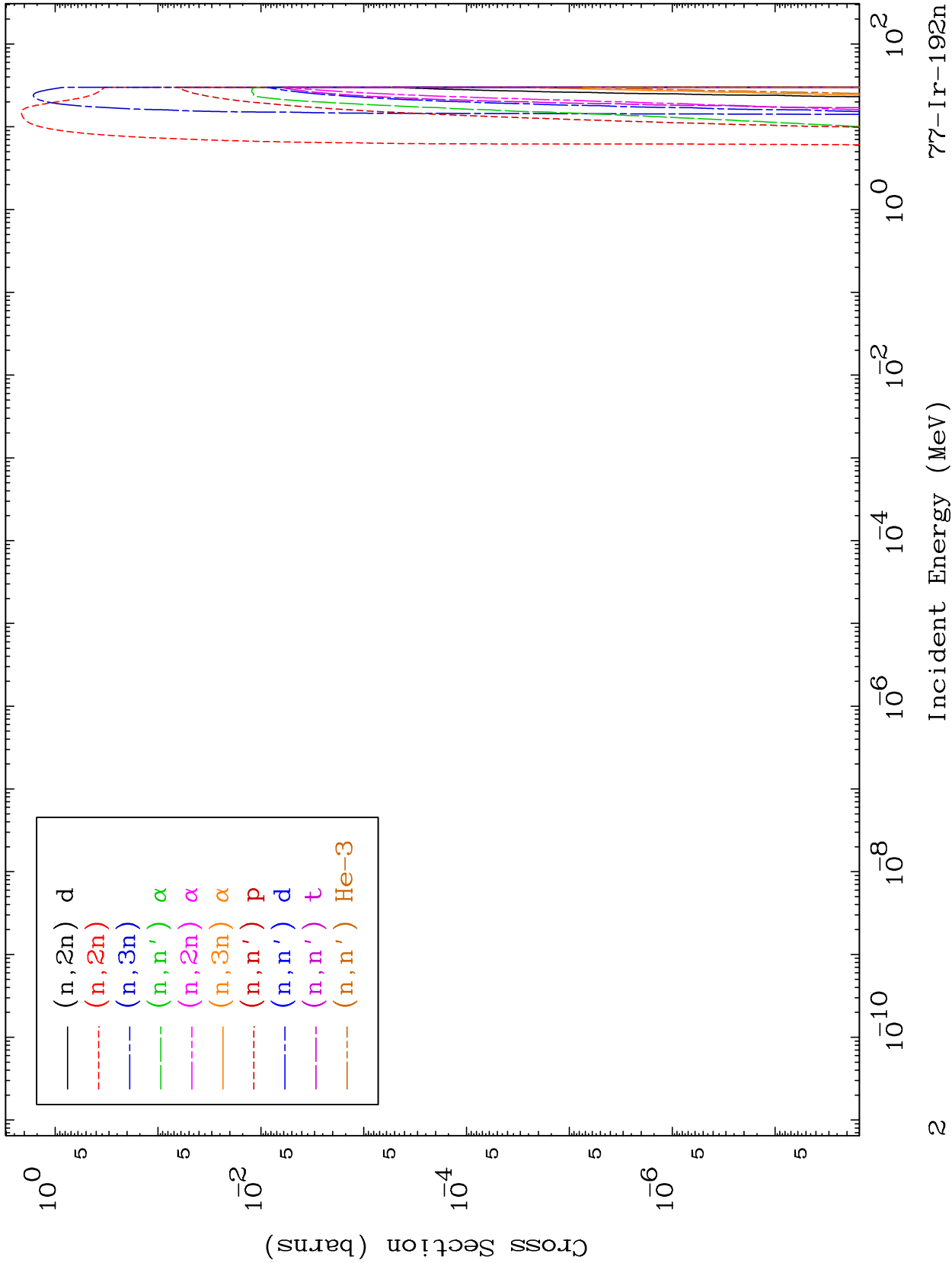
Press Mouse Button to Start

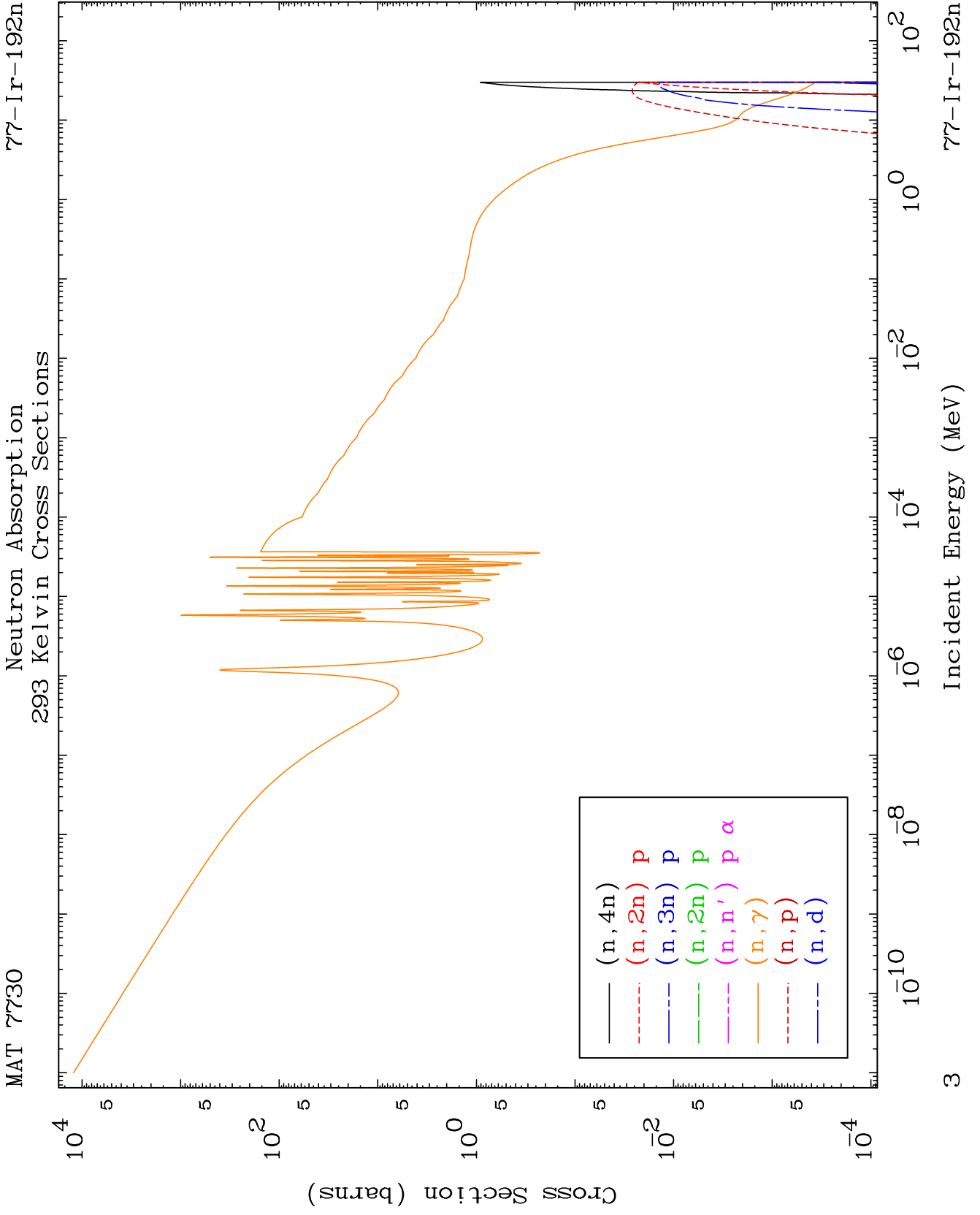


MAT 7730

Neutron Absorption
293 Kelvin Cross Sections

77-Ir-192n

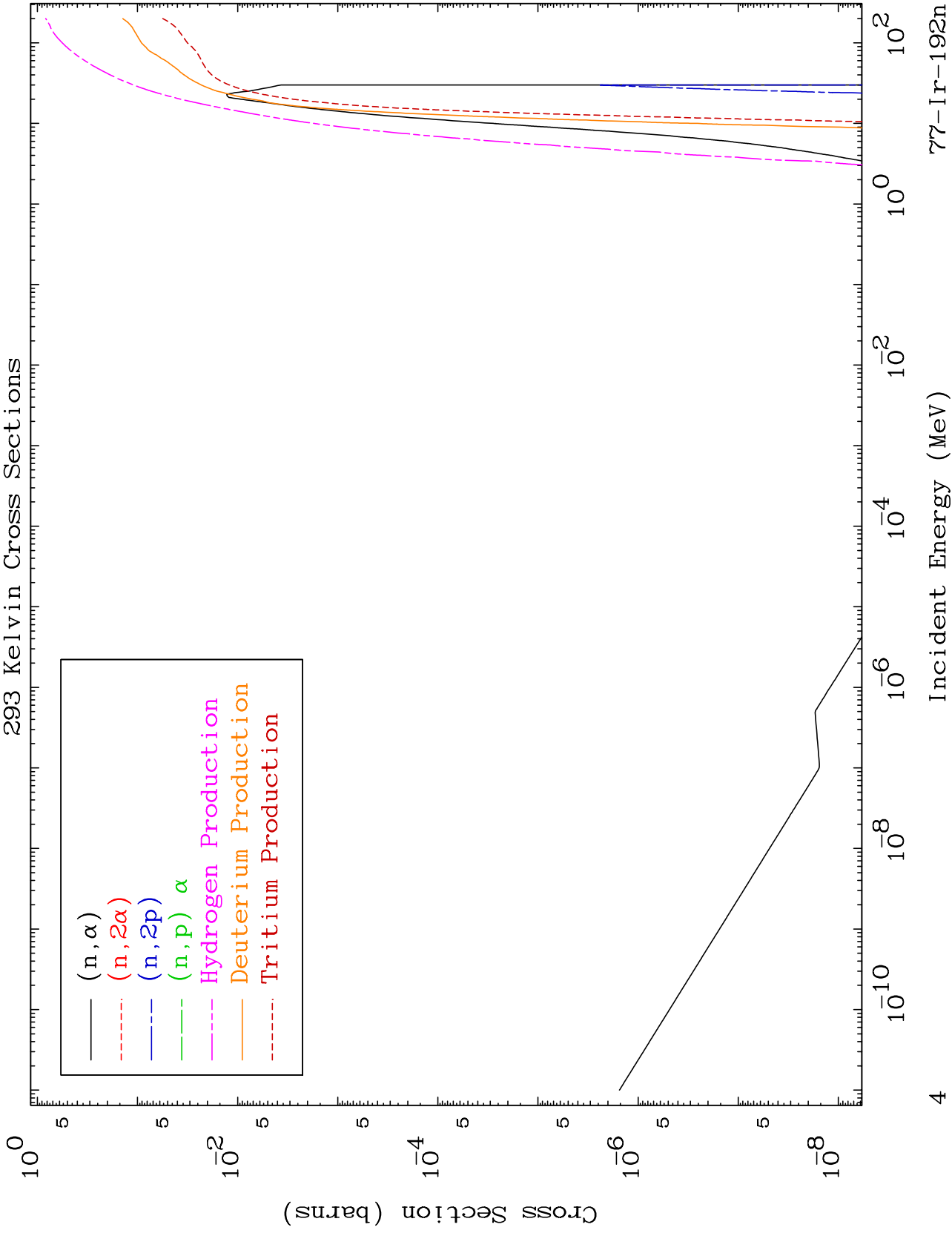




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Neutron Absorption
293 Kelvin Cross Sections

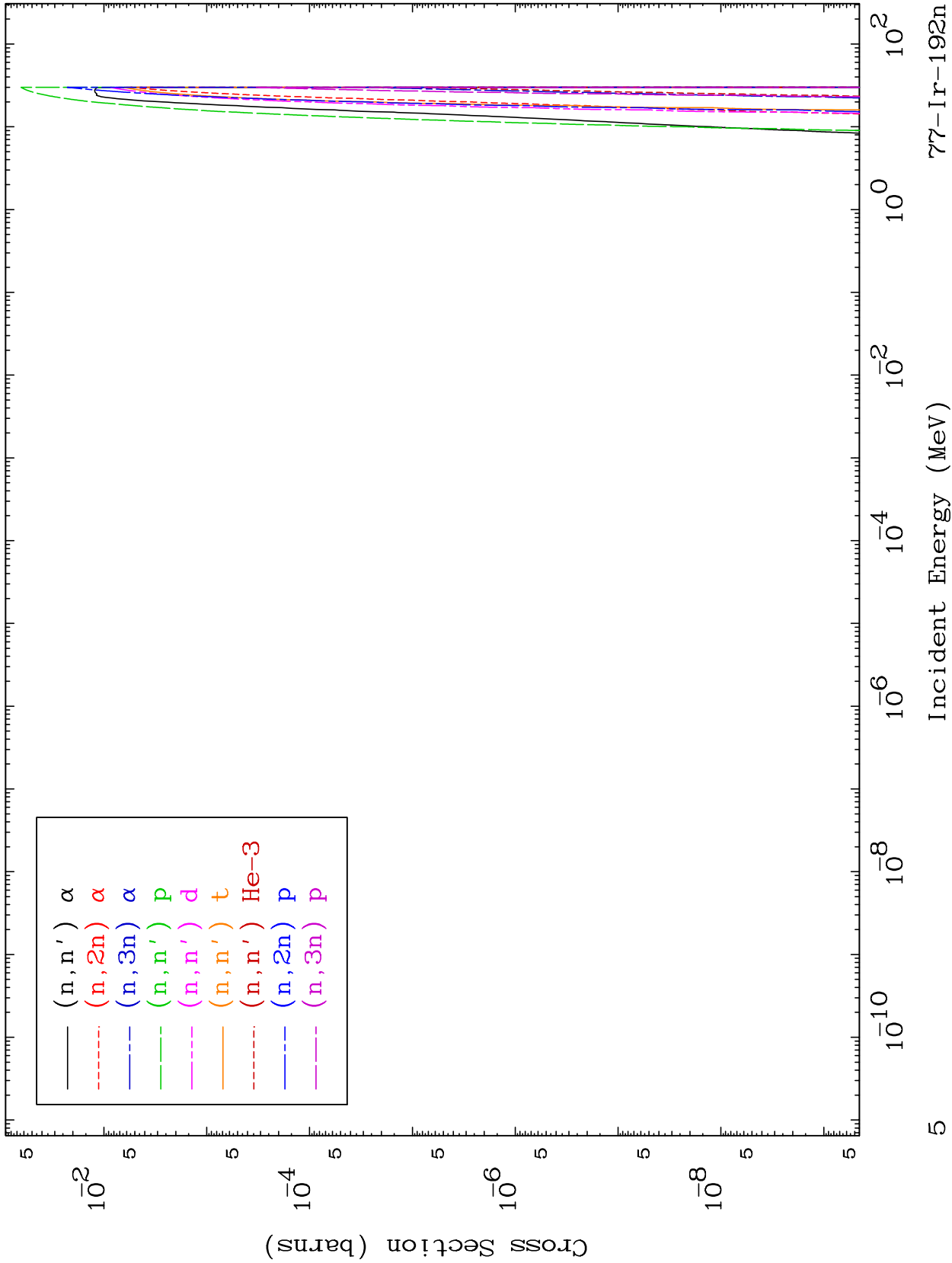
77-Ir-192n



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Charged Particle
293 Kelvin Cross Sections

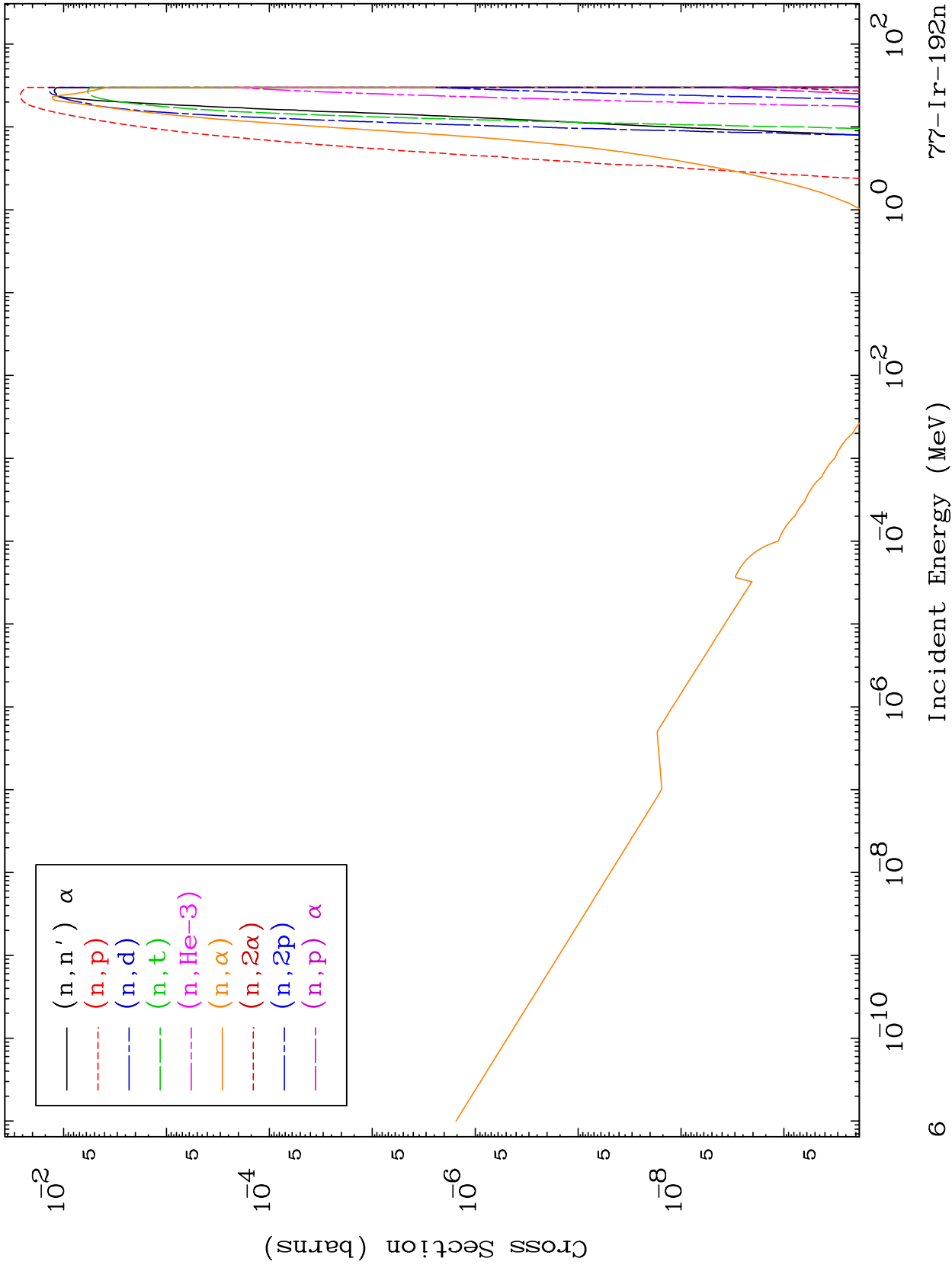
77-Ir-192n



MAT 7730

Charged Particle
293 Kelvin Cross Sections

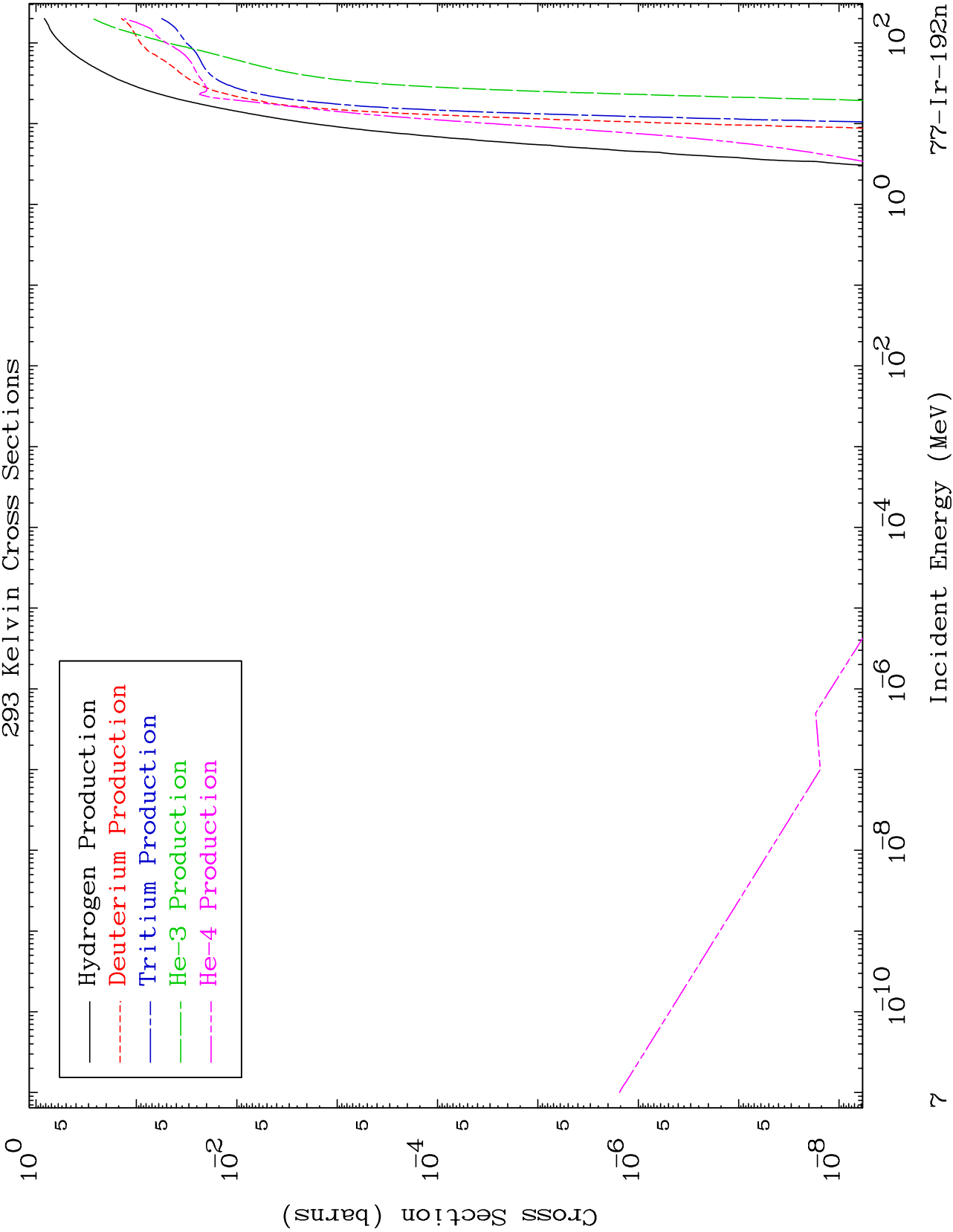
77-Ir-192n



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Particle Production
293 Kelvin Cross Sections

77-Ir-192n

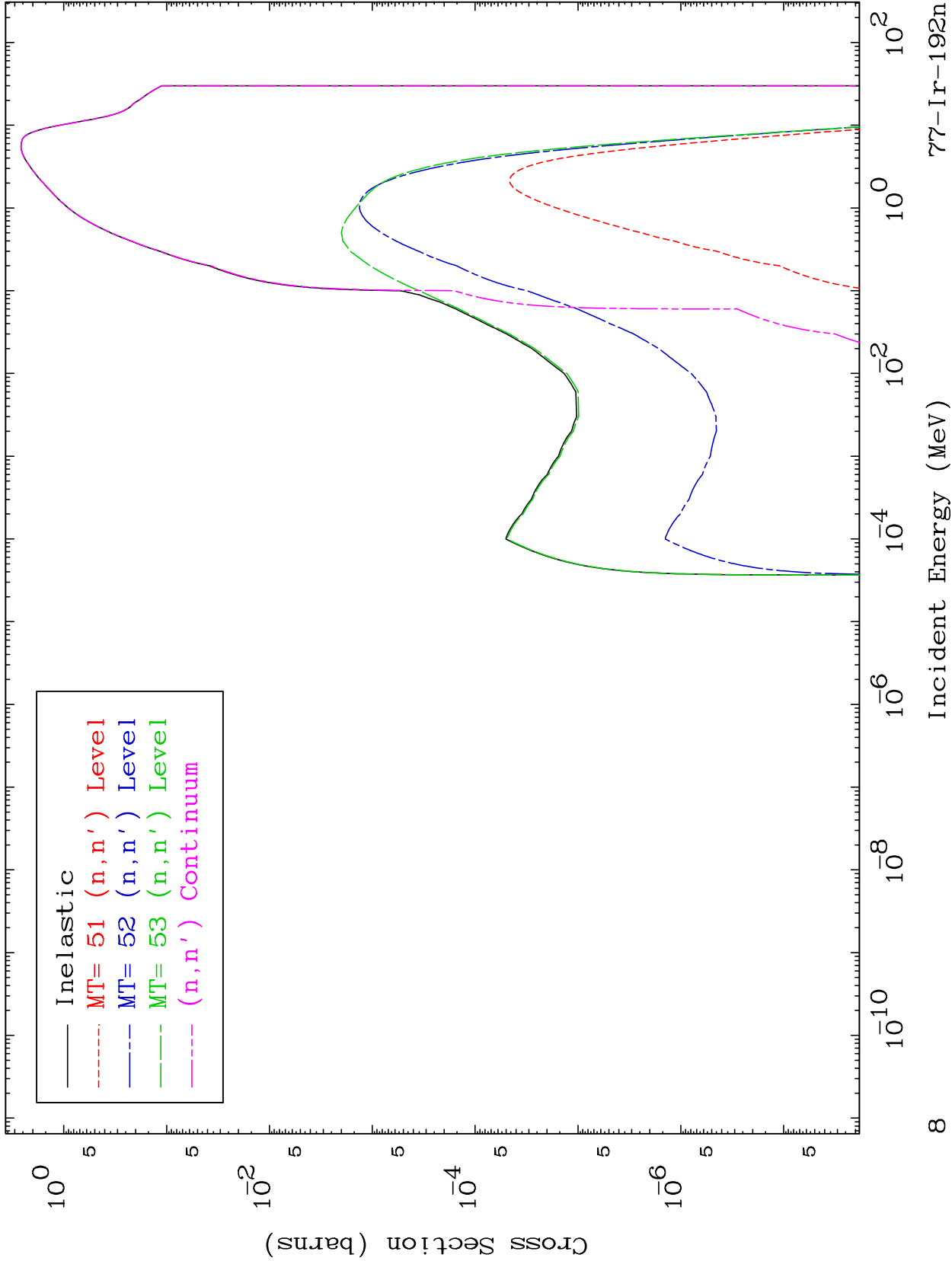


- Hydrogen Production
- Deuterium Production
- Tritium Production
- He-3 Production
- He-4 Production

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(n,n') Levels
293 Kelvin Cross Sections

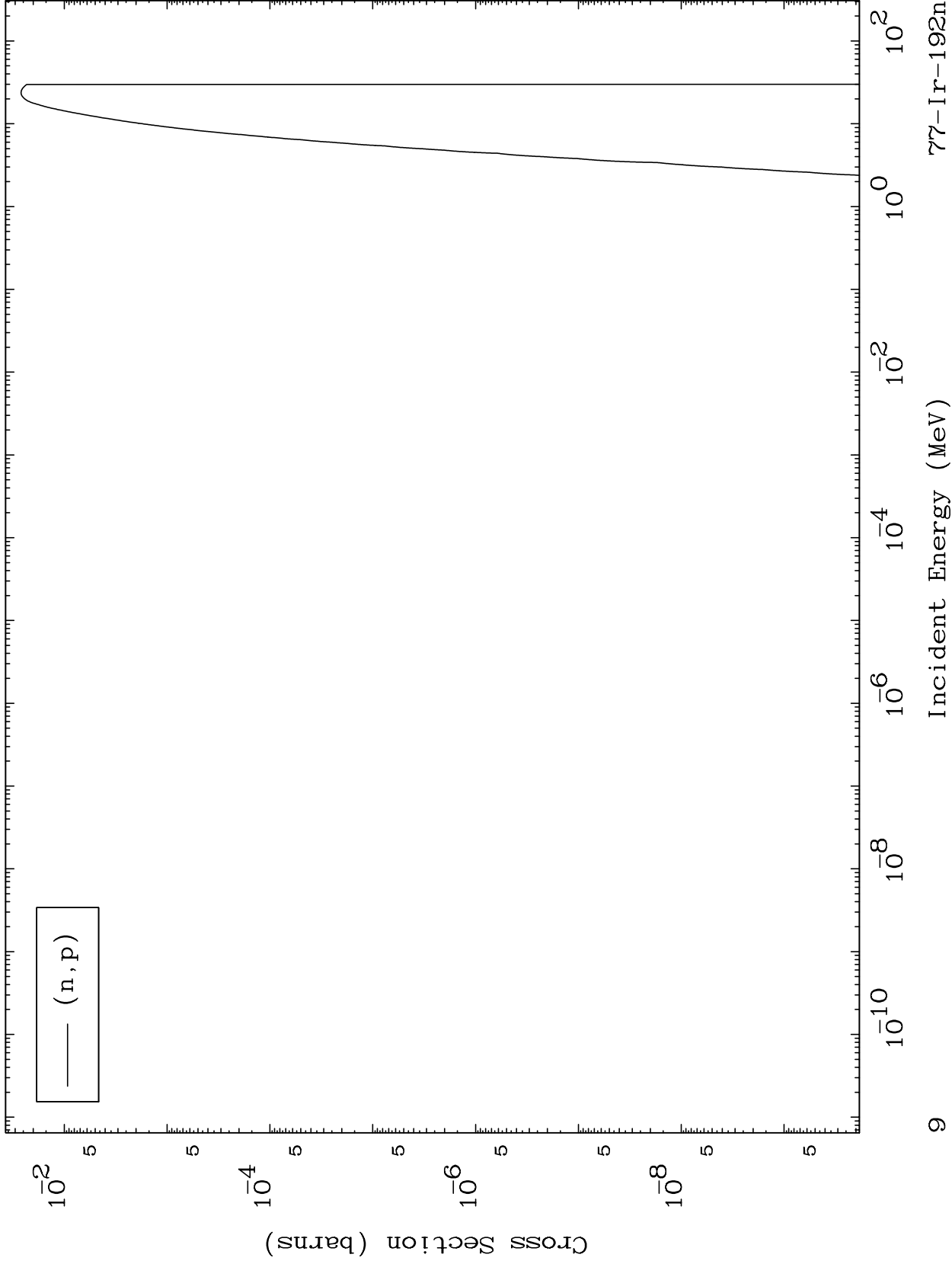
77-Ir-192n



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(n,p) Levels
293 Kelvin Cross Sections

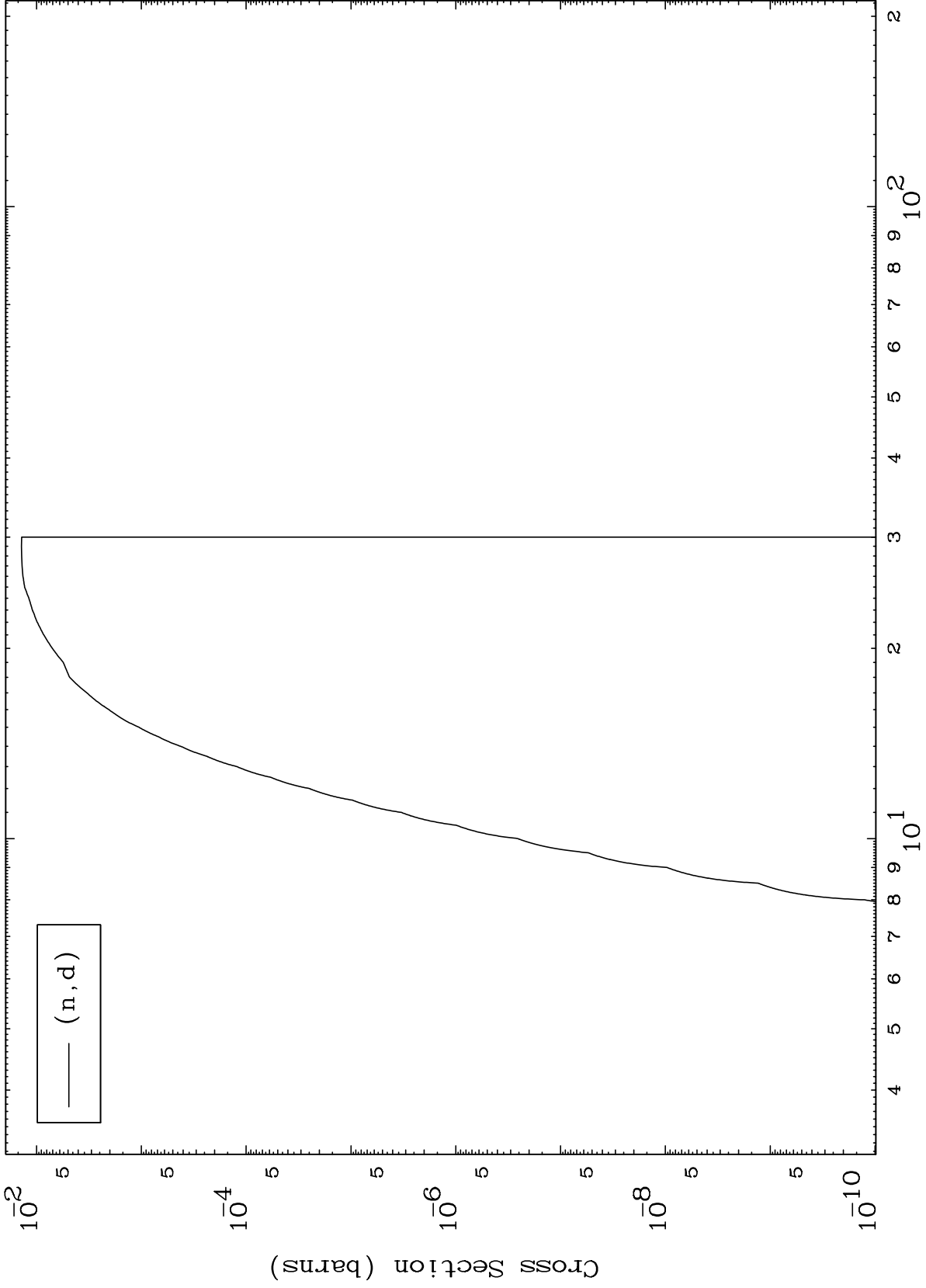
⁷⁷Ir-192n



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(n,d) Levels
293 Kelvin Cross Sections

77-Ir-192n



10

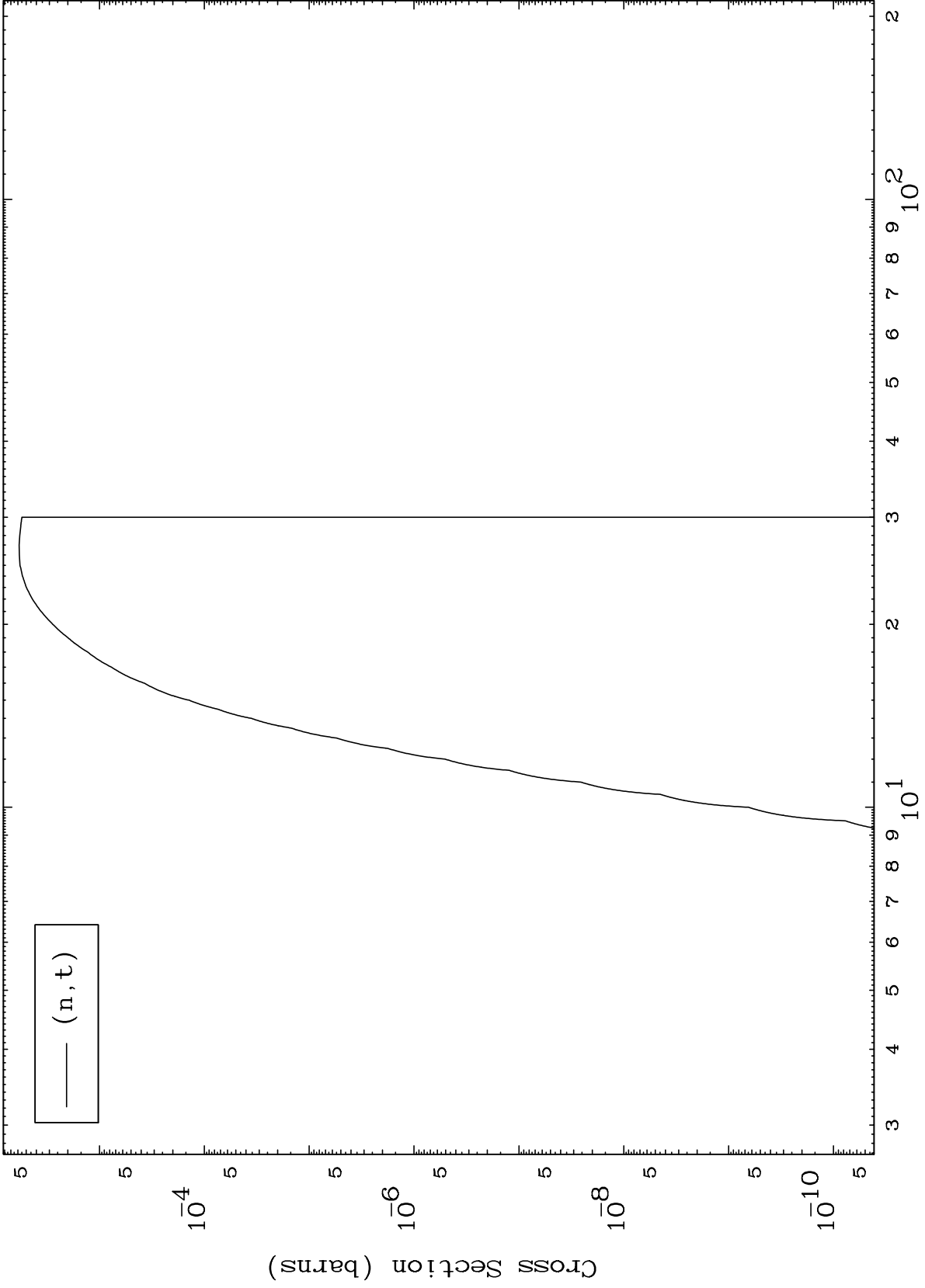
Incident Energy (MeV)

77-Ir-192n

MAT 7730

(n,t) Levels
293 Kelvin Cross Sections

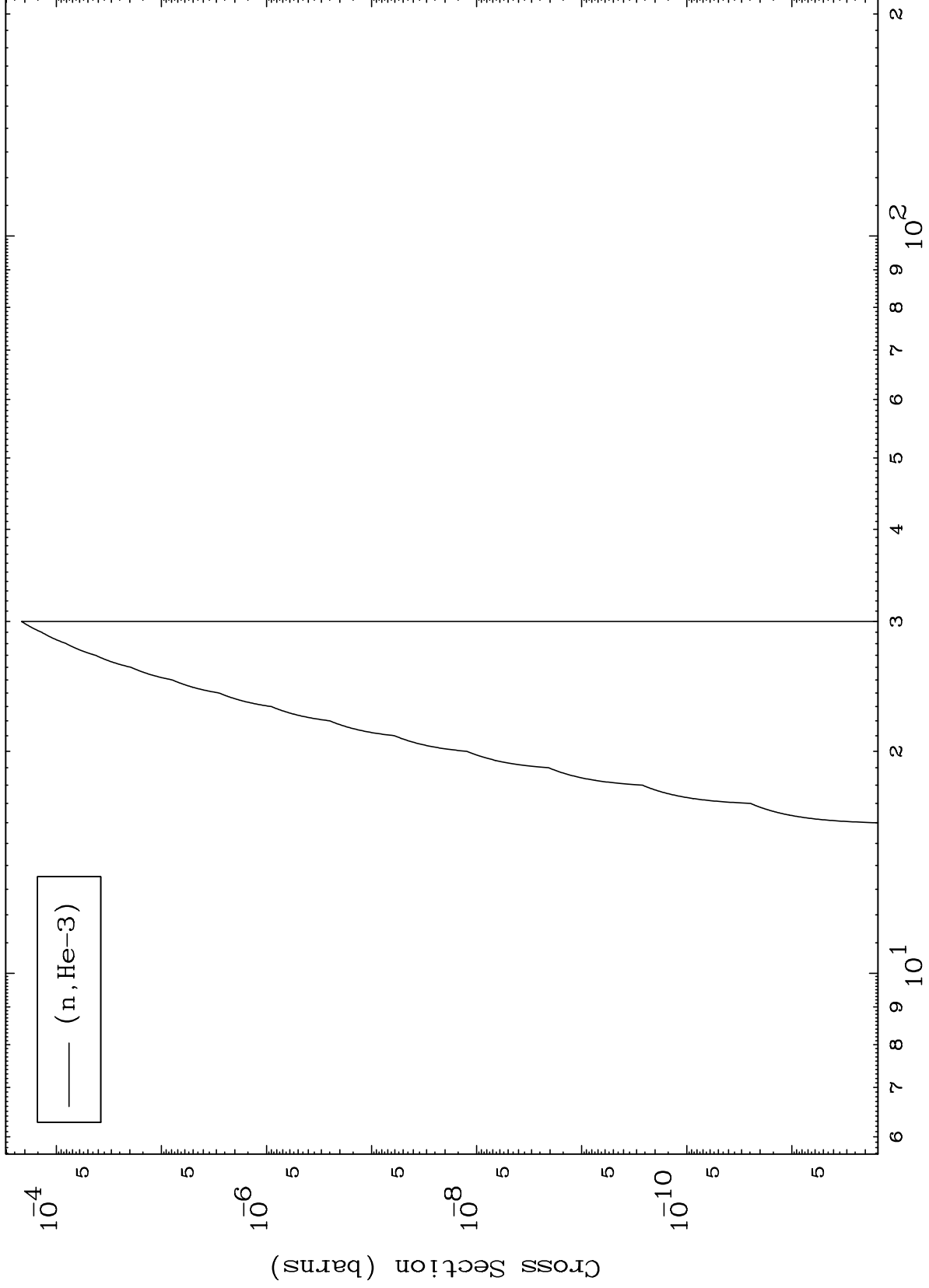
77-Ir-192n



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(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-192n



12

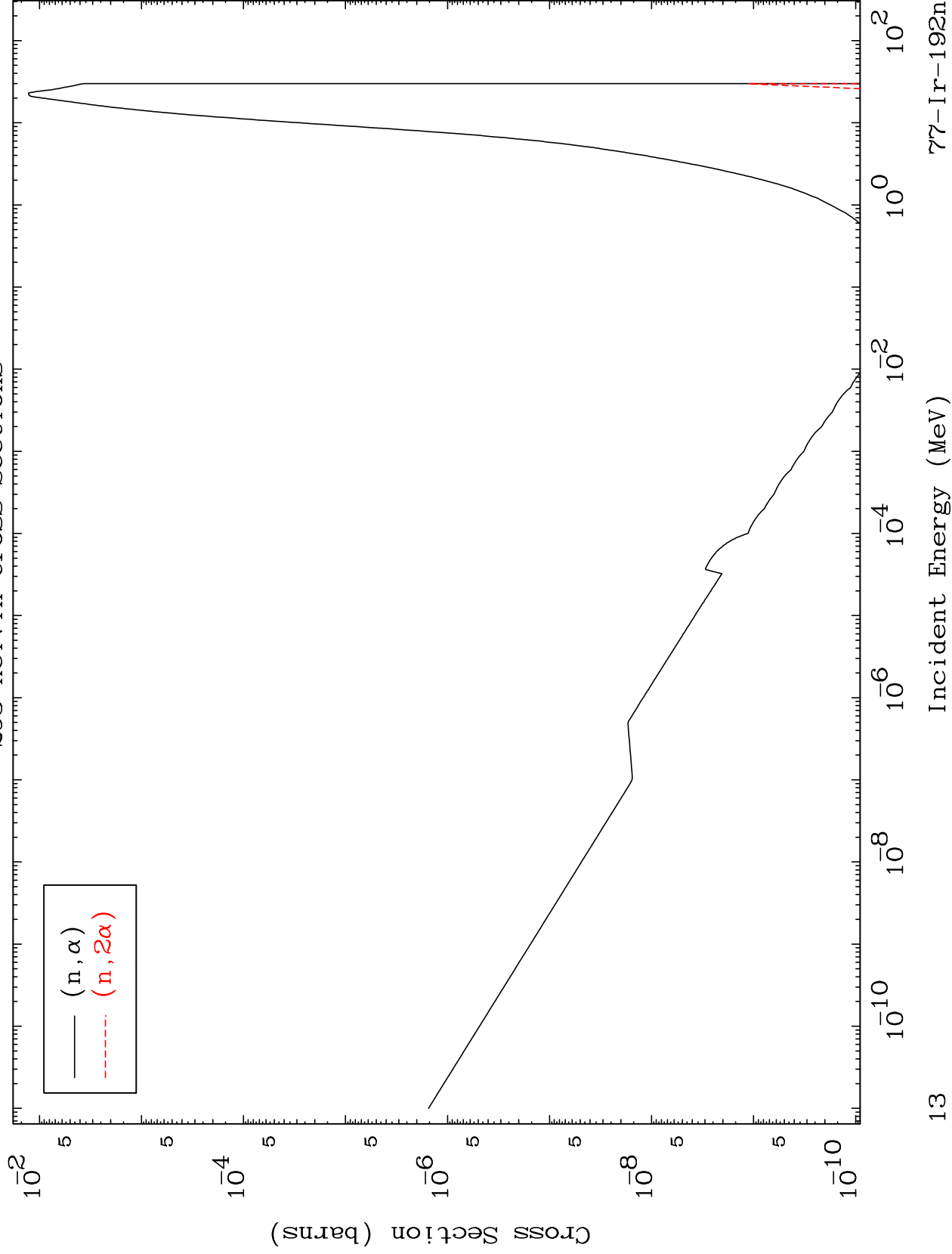
Incident Energy (MeV)

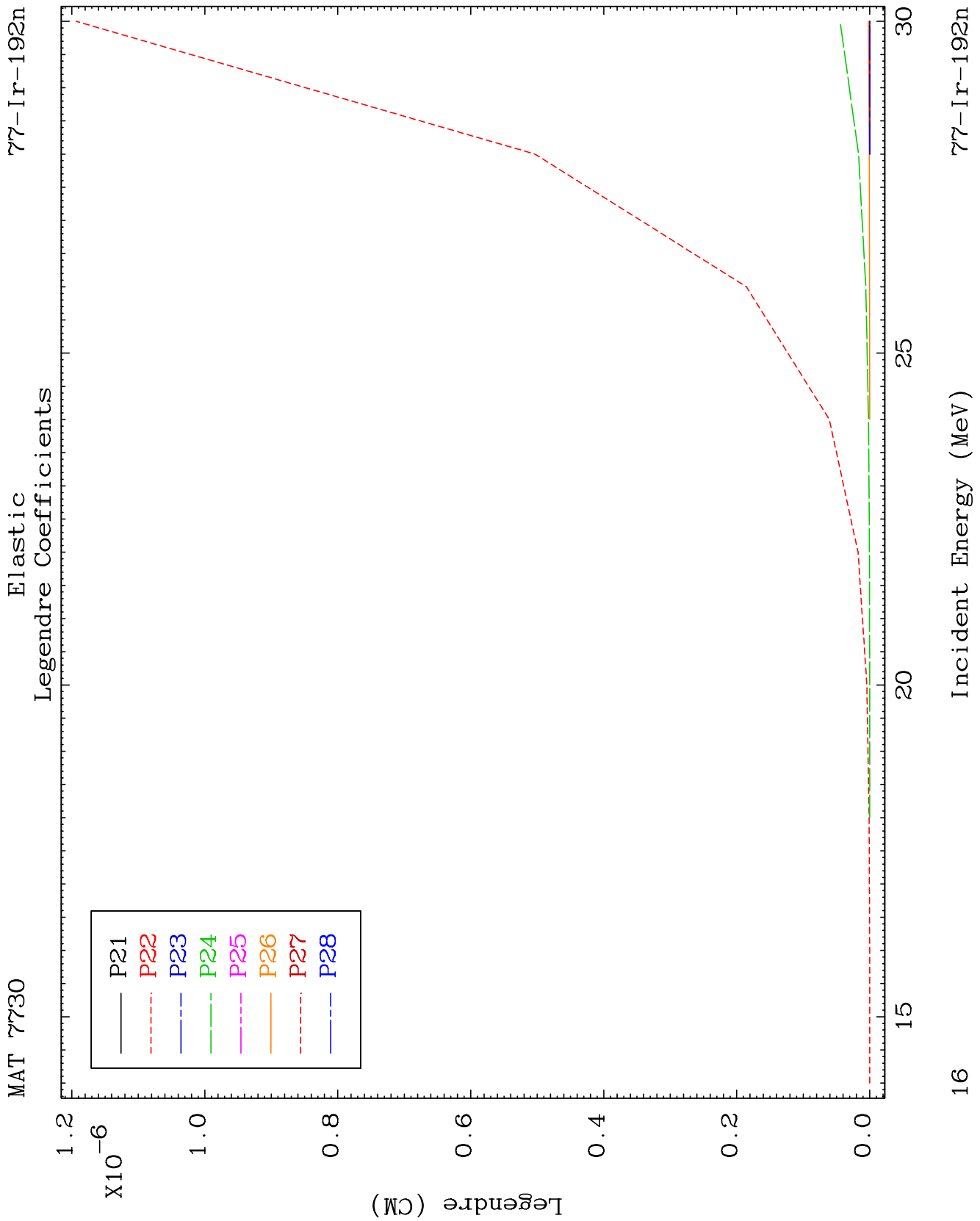
77-Ir-192n

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(n, α) Levels
293 Kelvin Cross Sections

⁷⁷Ir-192n

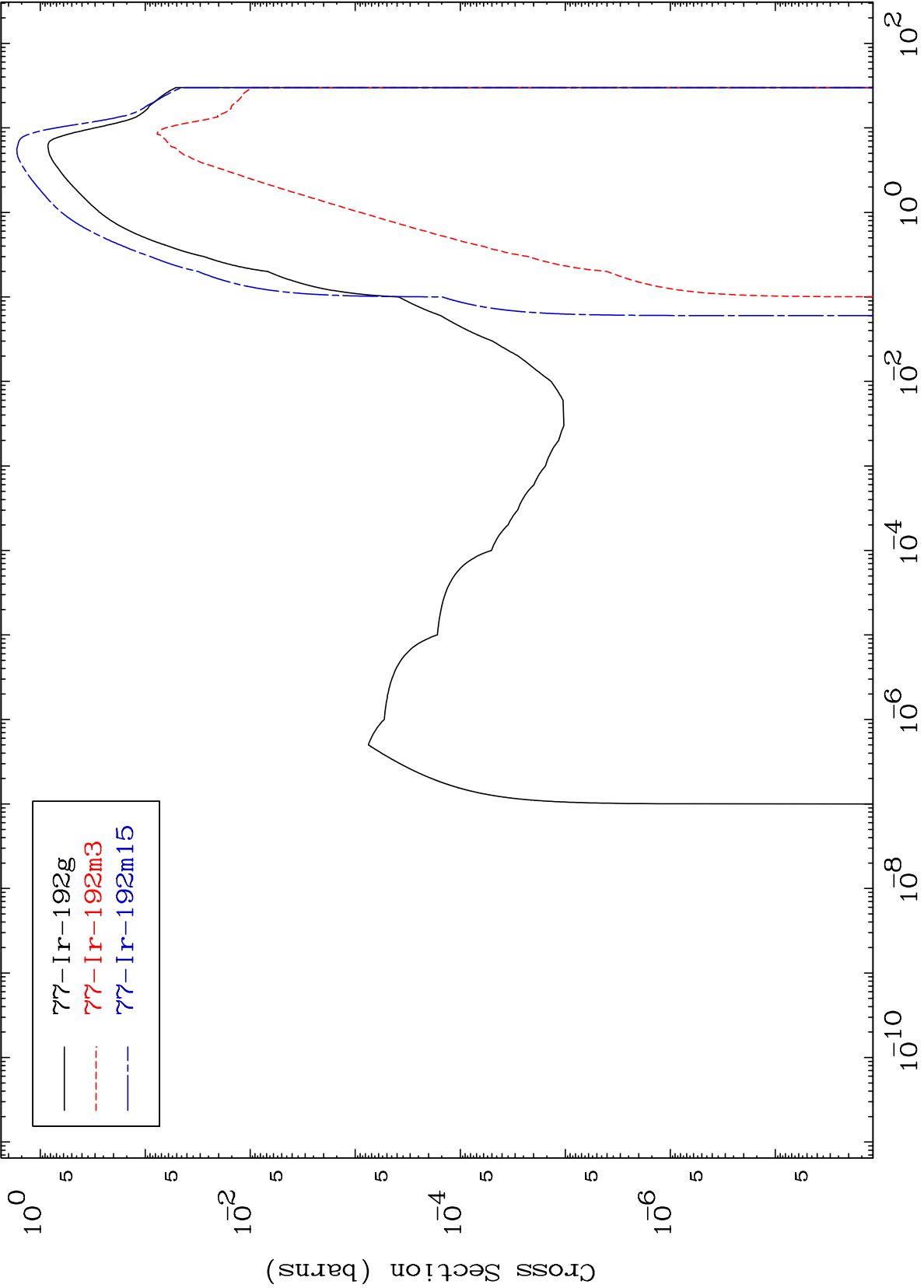




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Inelastic
Radionuclide Production Cross Section

⁷⁷Ir-192n



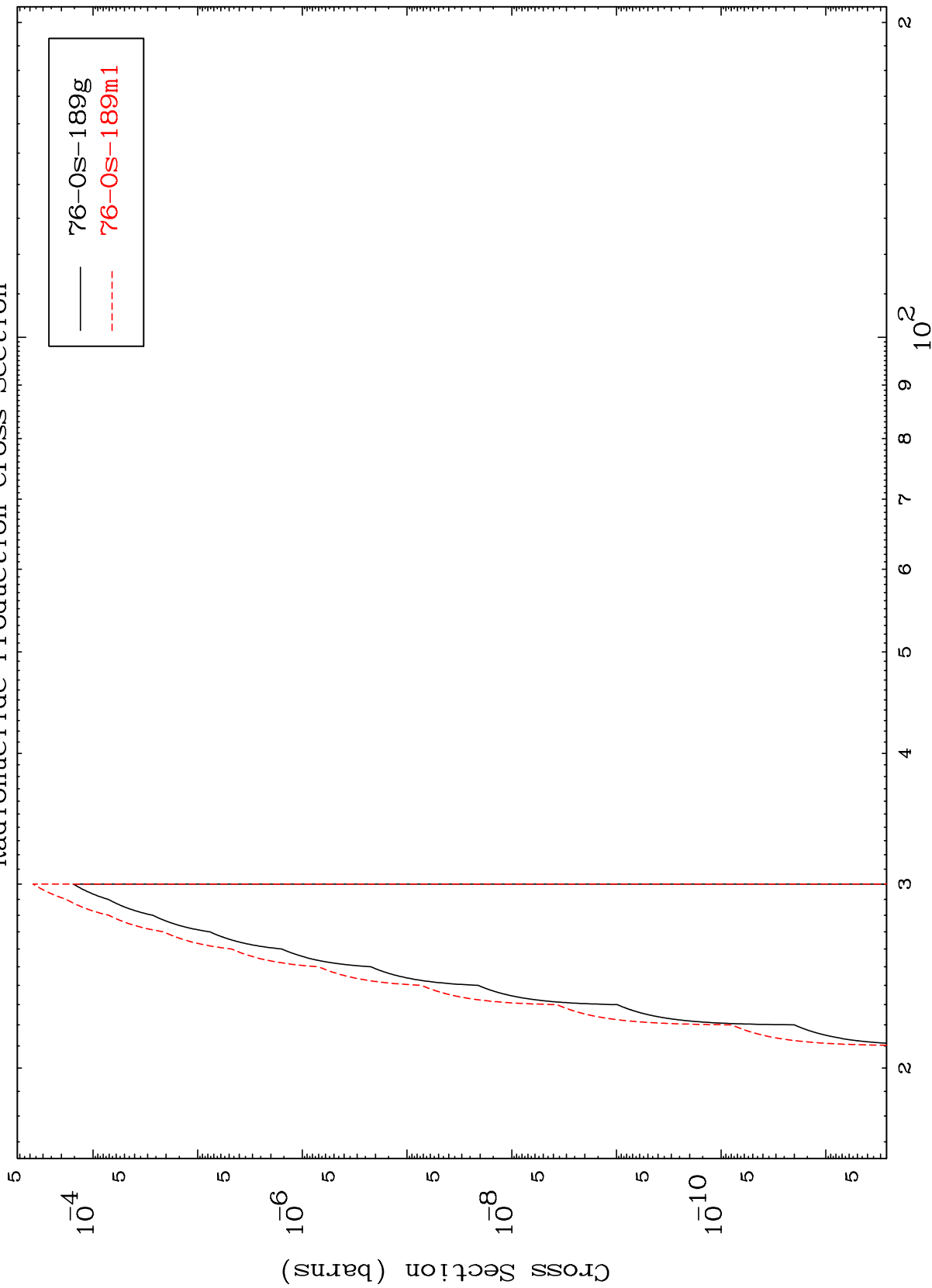
⁷⁷Ir-192n

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(n,2n) d

⁷⁷Ir-192n

Radionuclide Production Cross Section



18

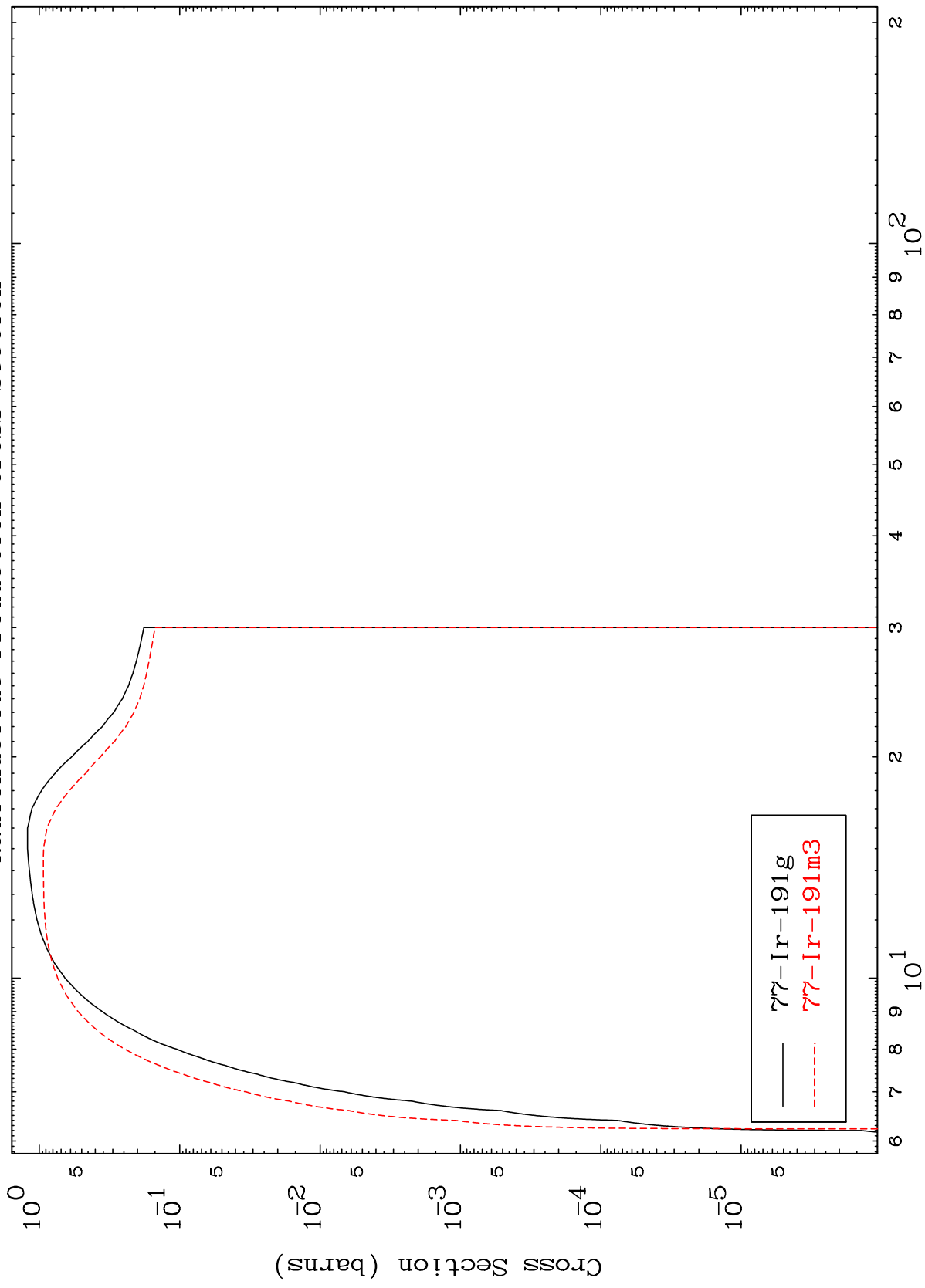
Incident Energy (MeV)

⁷⁷Ir-192n

MAT 7730

⁷⁷Ir-192n

(n,2n) Radionuclide Production Cross Section



⁷⁷Ir-192n

Incident Energy (MeV)

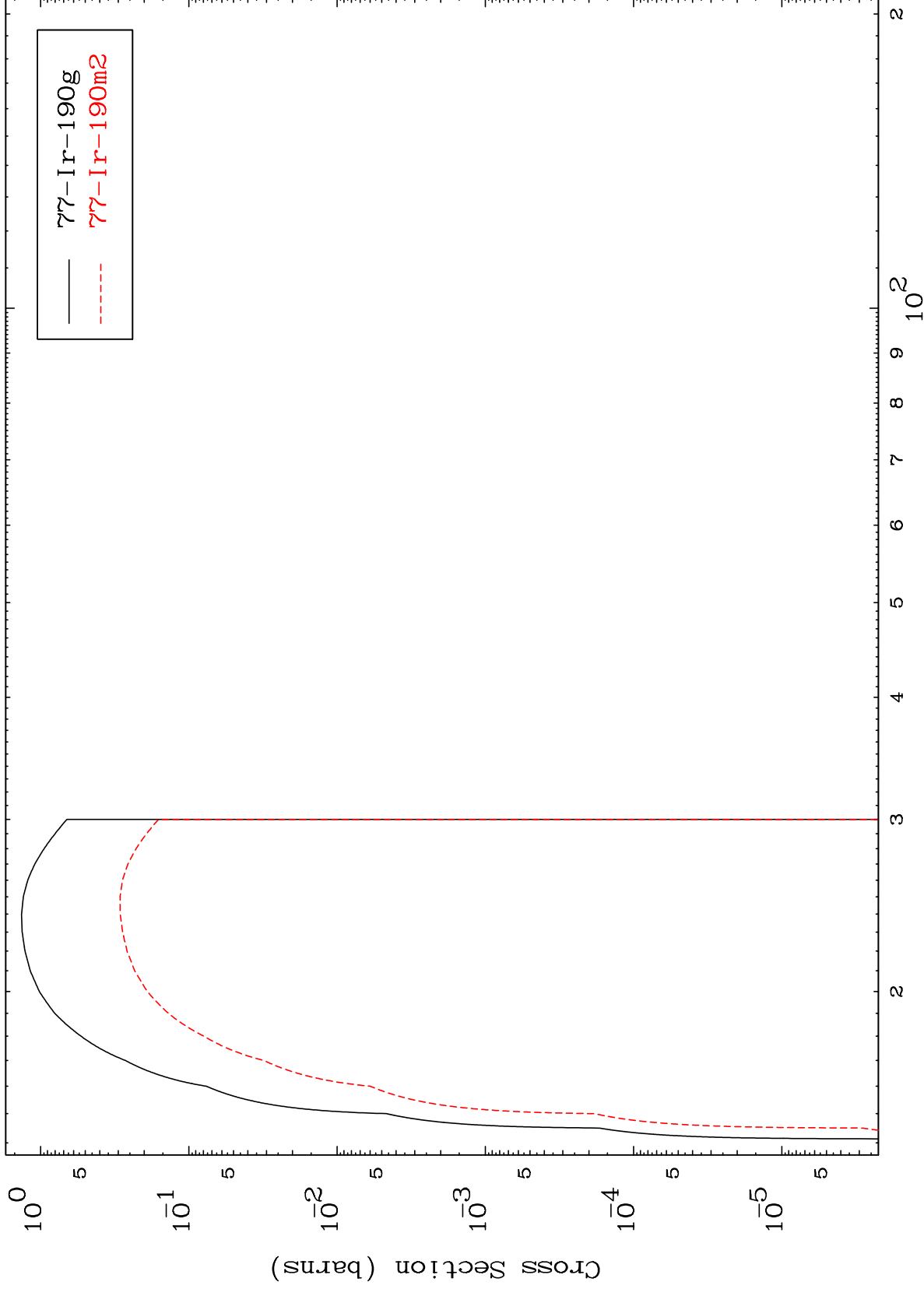
19

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(n,3n)

⁷⁷Ir-192n

Radionuclide Production Cross Section



20

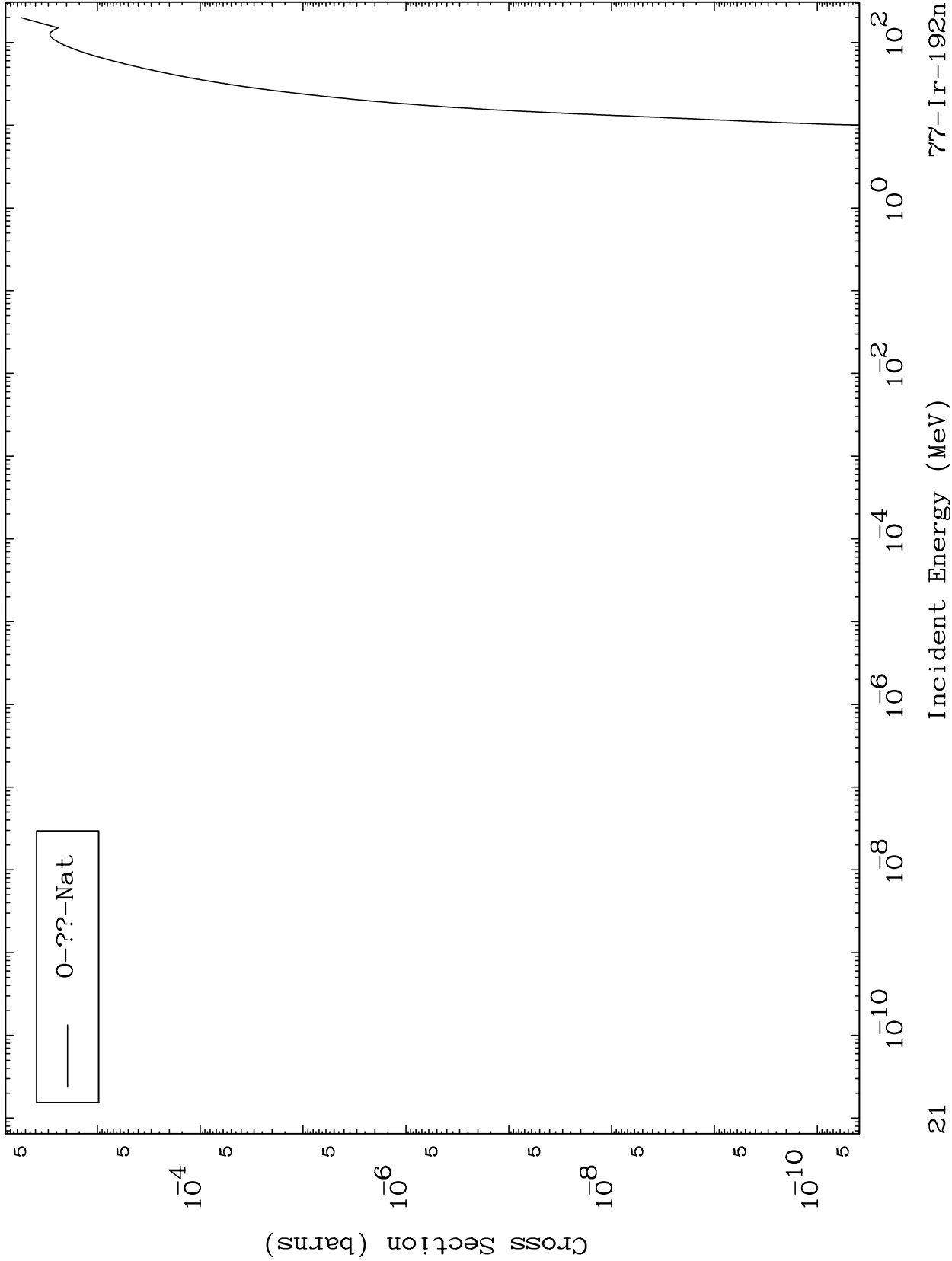
Incident Energy (MeV)

⁷⁷Ir-192n

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Fission
Radionuclide Production Cross Section

⁷⁷Ir-192n

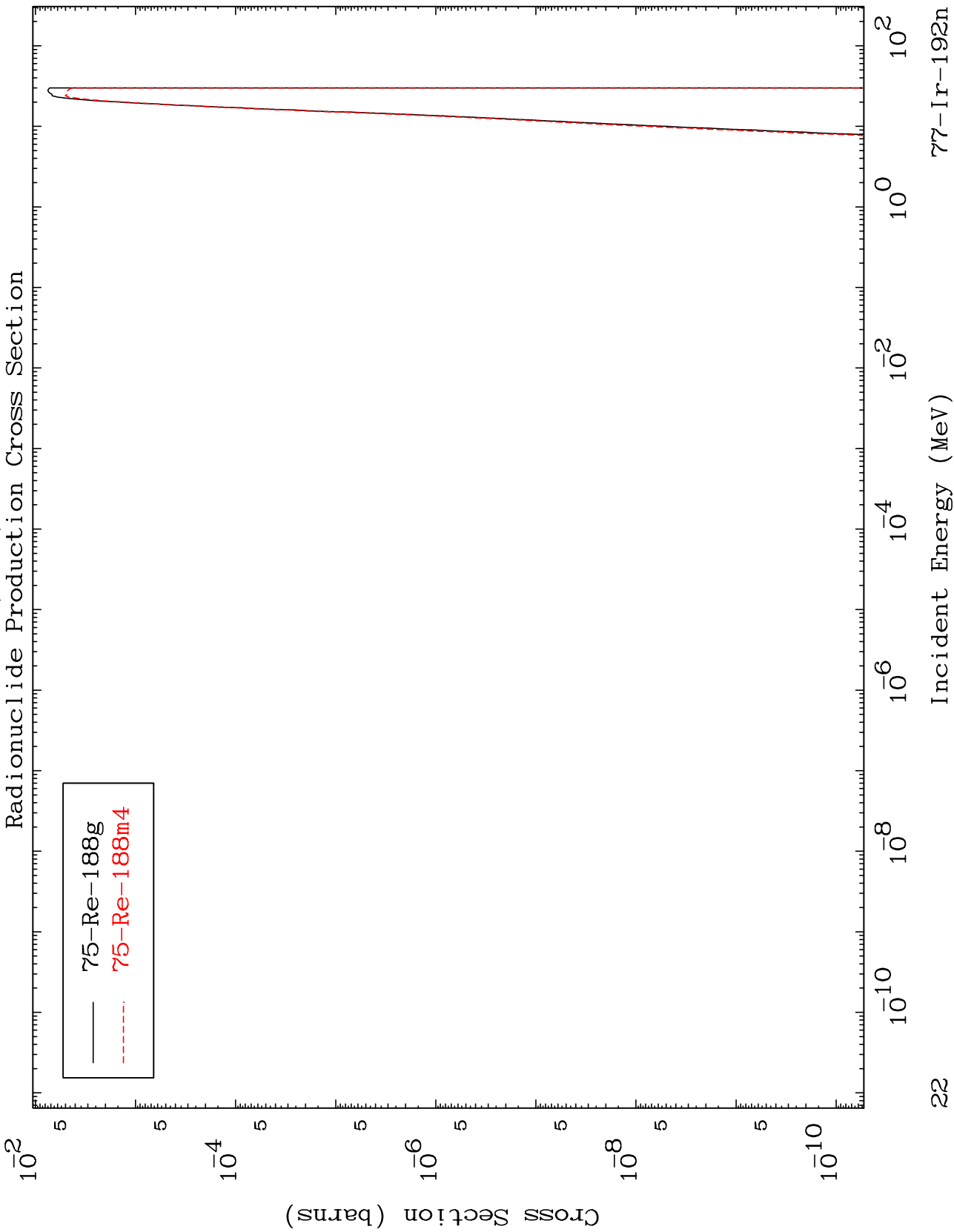


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$(n, n') \alpha$

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

Radionuclide Production Cross Section

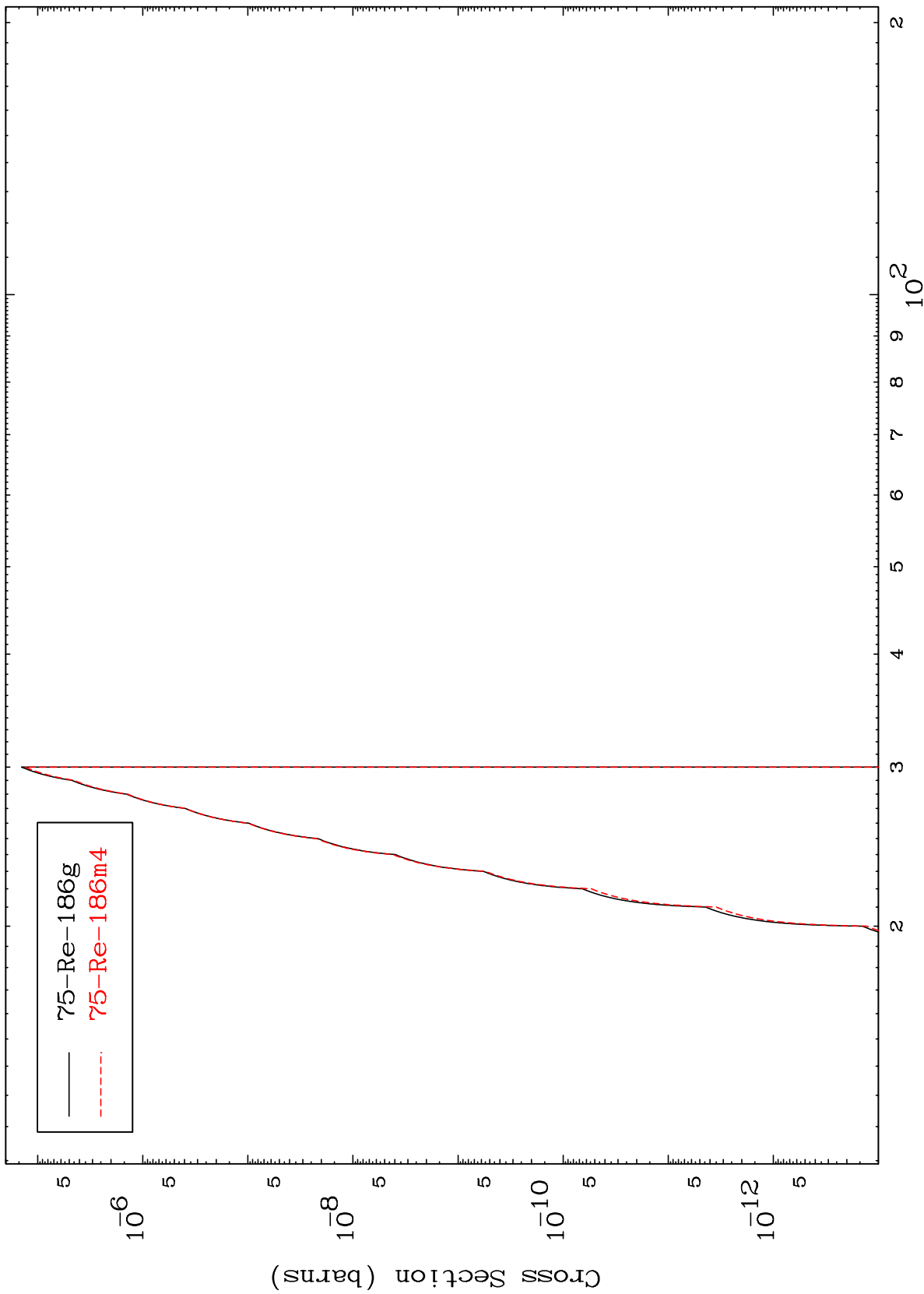


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(n,3n) α

77-Ir-192n

Radionuclide Production Cross Section



Incident Energy (MeV)

77-Ir-192n

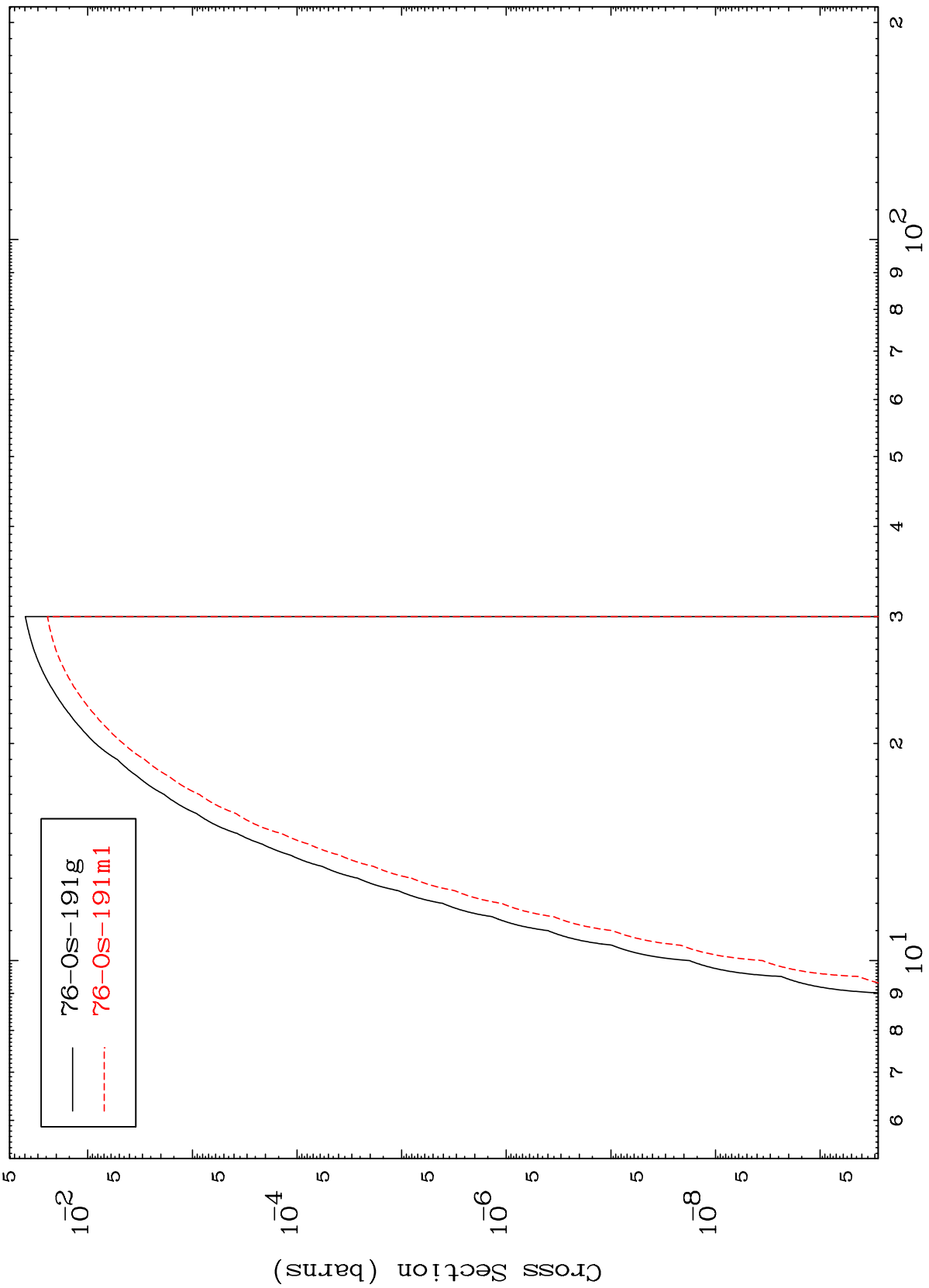
23

MAT 7730

(n,n') p

⁷⁷Ir-192n

Radionuclide Production Cross Section



— 76-Os-191g
- - - 76-Os-191m1

24

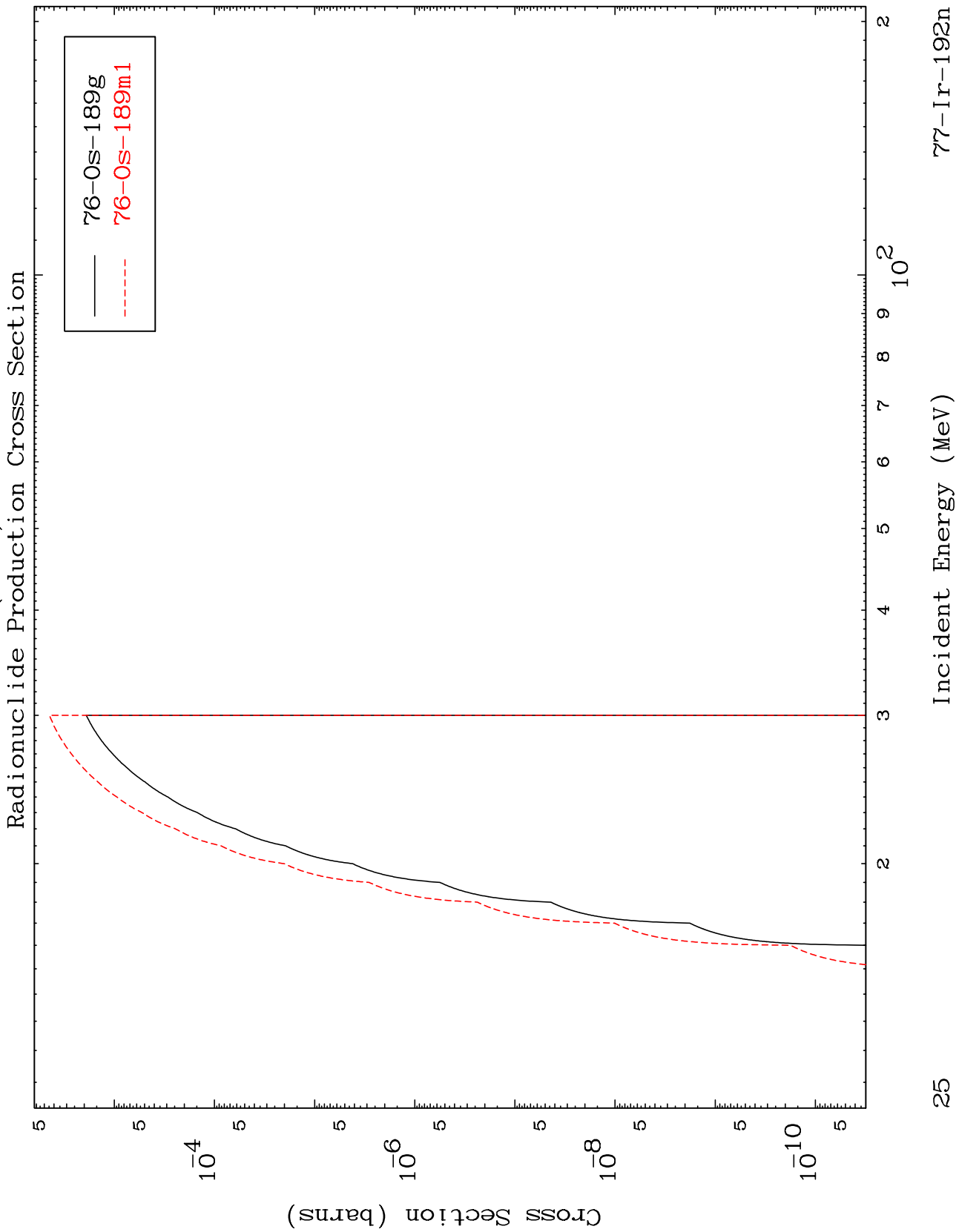
Incident Energy (MeV)

⁷⁷Ir-192n

MAT 7730

(n,n') t

⁷⁷Ir-192n

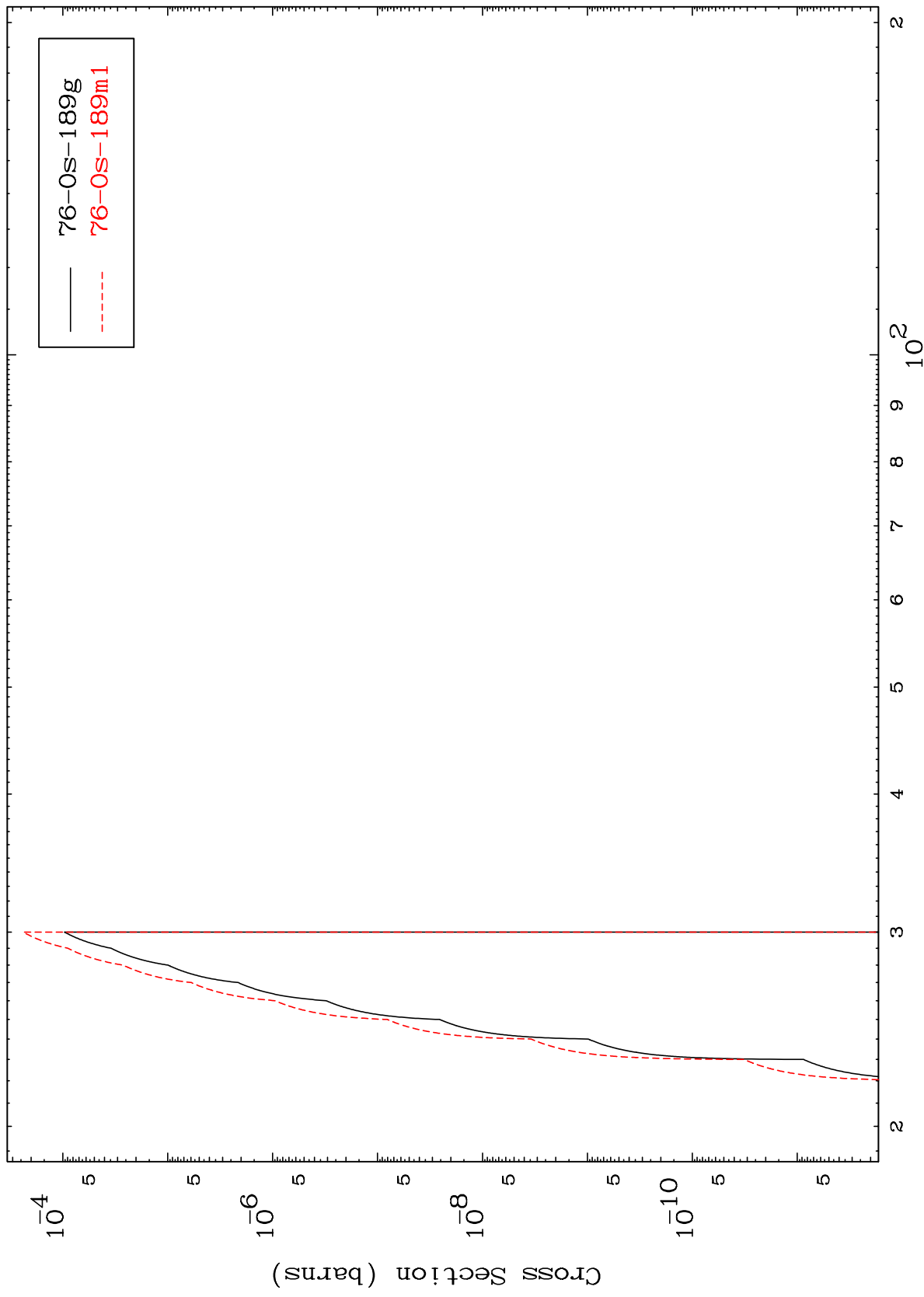


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(n,3n) p

⁷⁷Ir-192n

Radionuclide Production Cross Section



26

Incident Energy (MeV)

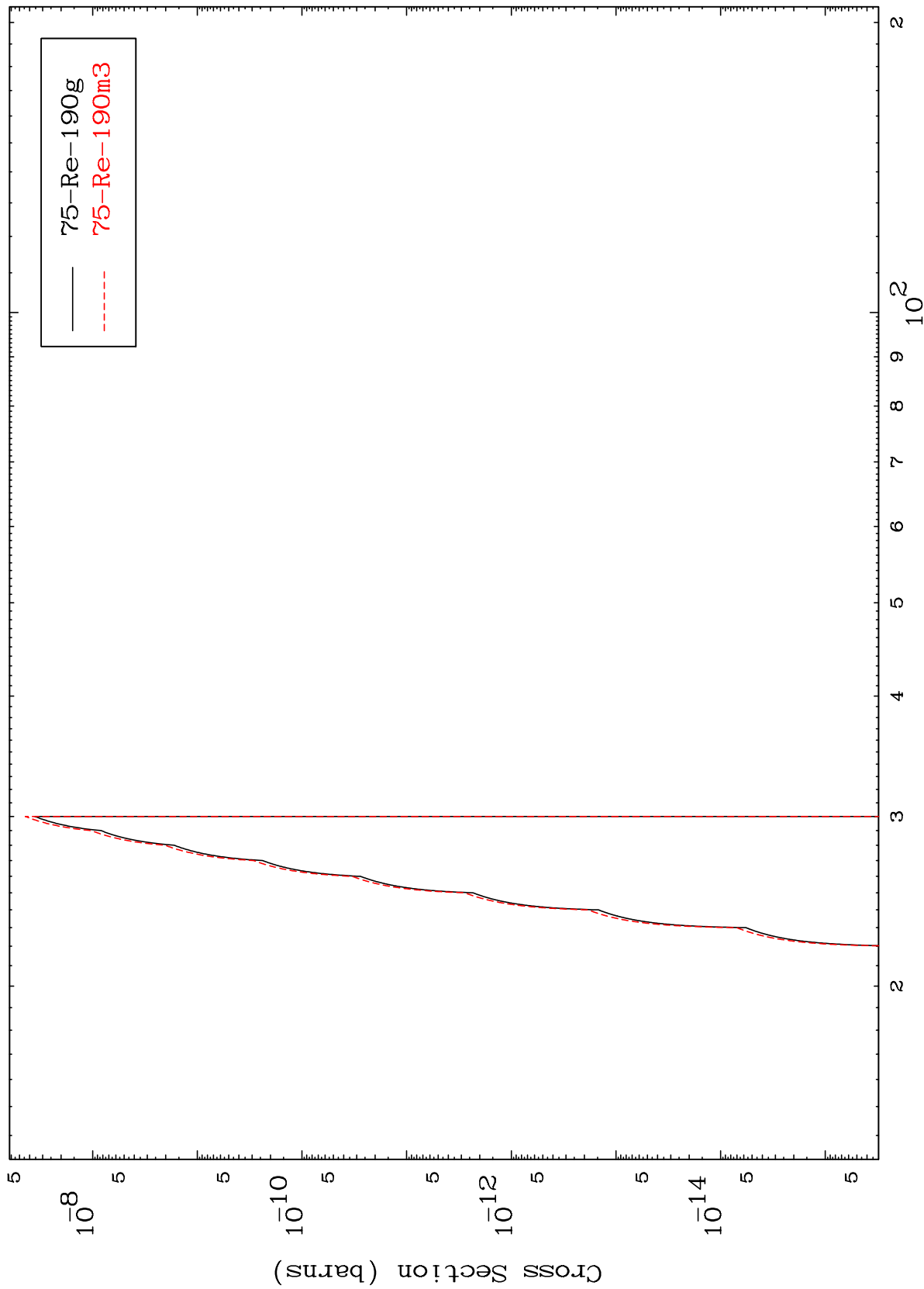
⁷⁷Ir-192n

MAT 7730

⁷⁷Ir-192n

(n,2n) p

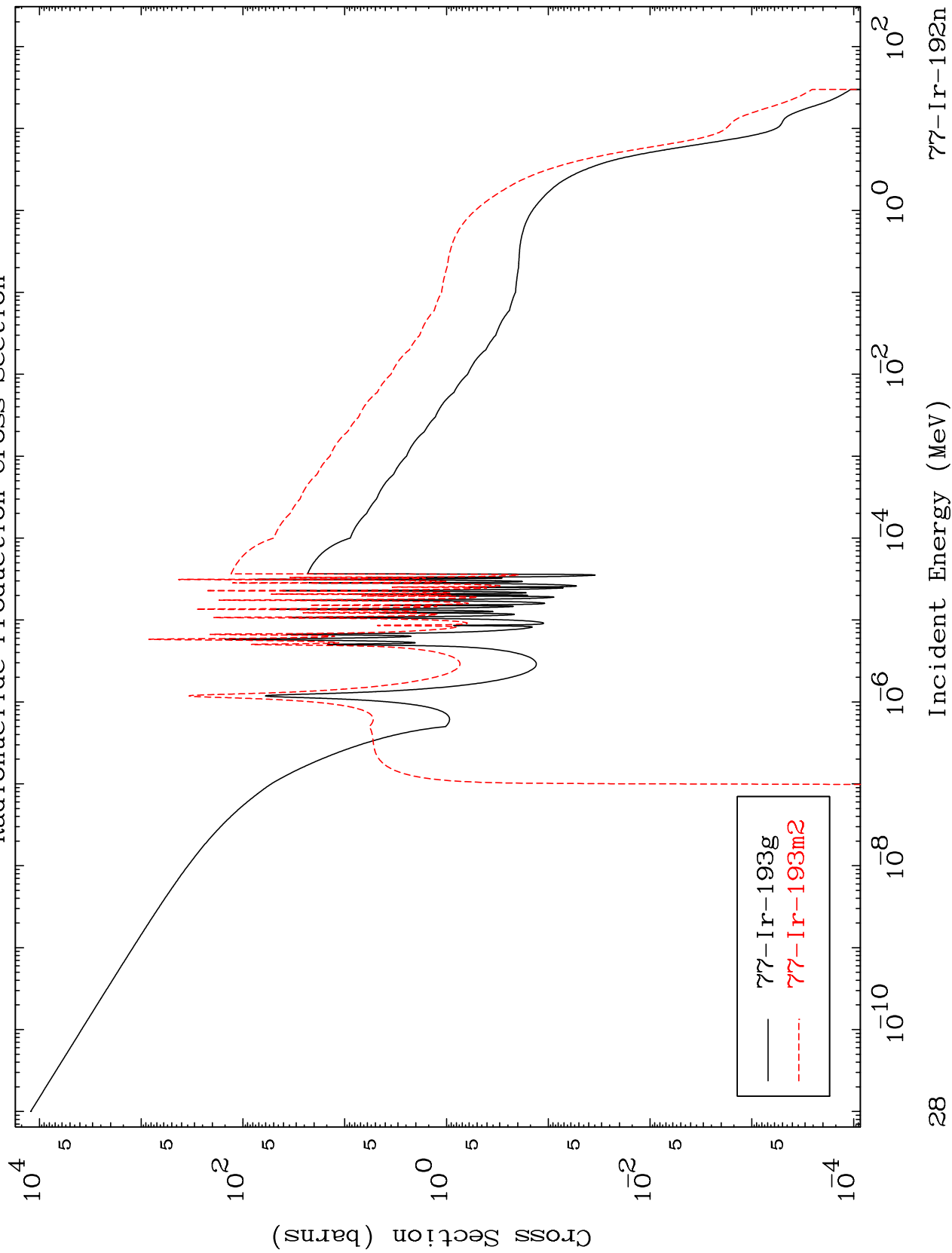
Radionuclide Production Cross Section

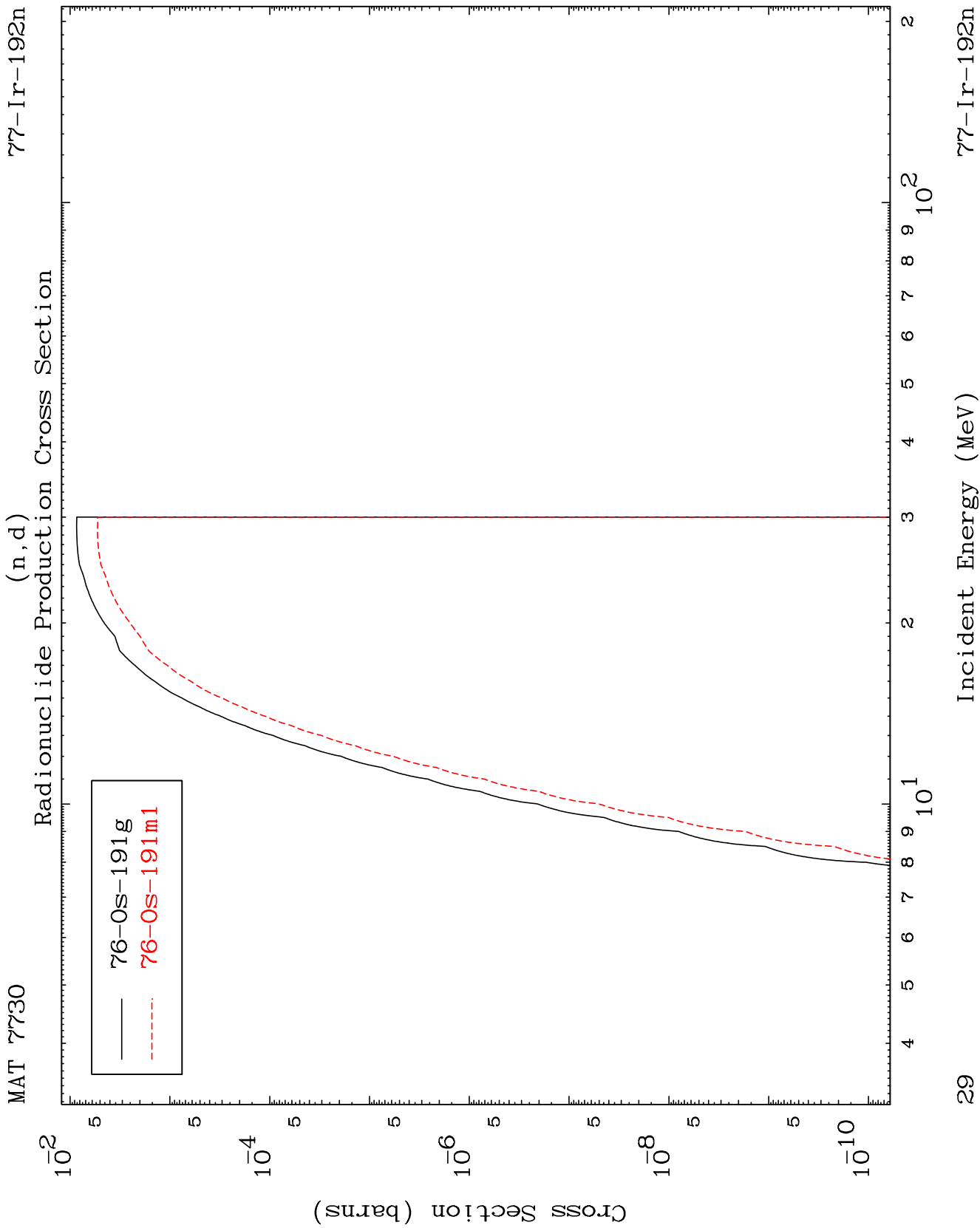


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$^{77}\text{Ir-192n}$

(n,γ)
Radionuclide Production Cross Section



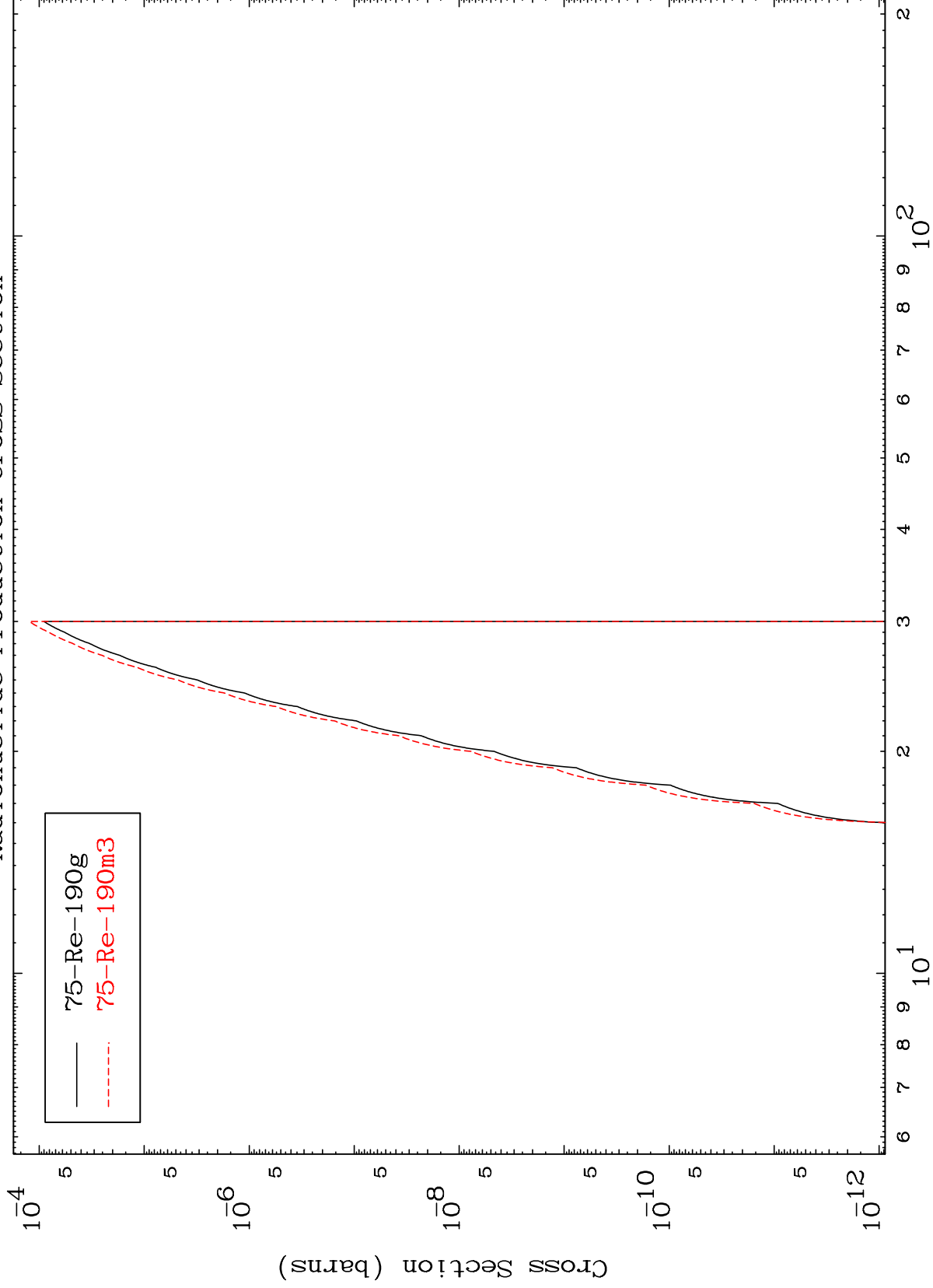


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(n,He-3)

77-Ir-192n

Radionuclide Production Cross Section



30

Incident Energy (MeV)

77-Ir-192n