

Program EVALPLOT
(Version 2021-1)

by

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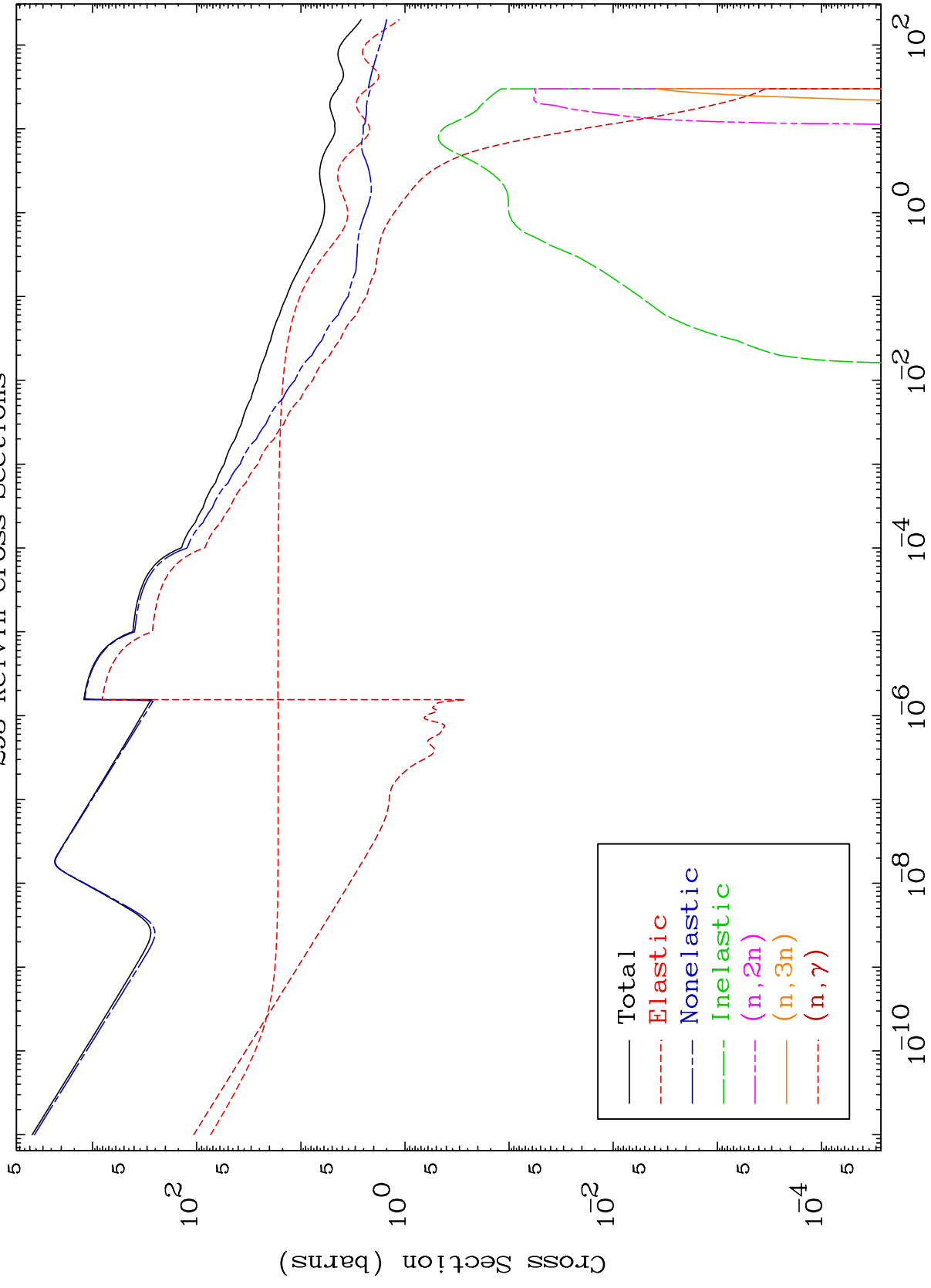
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7666

Neutron Major
293 Kelvin Cross Sections

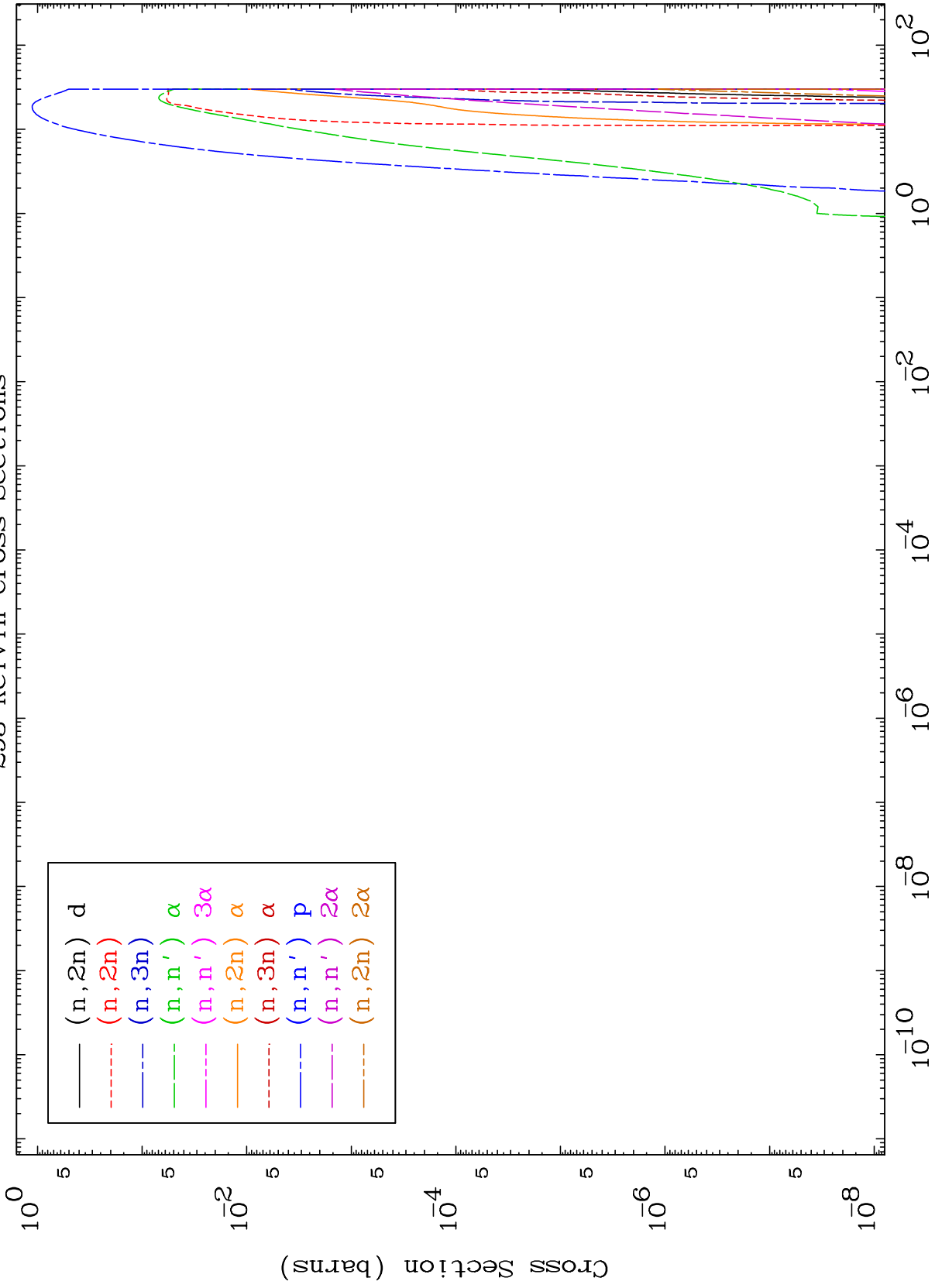
⁷⁷Ir-171m



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Neutron Absorption
293 Kelvin Cross Sections

77-Ir-171m



2

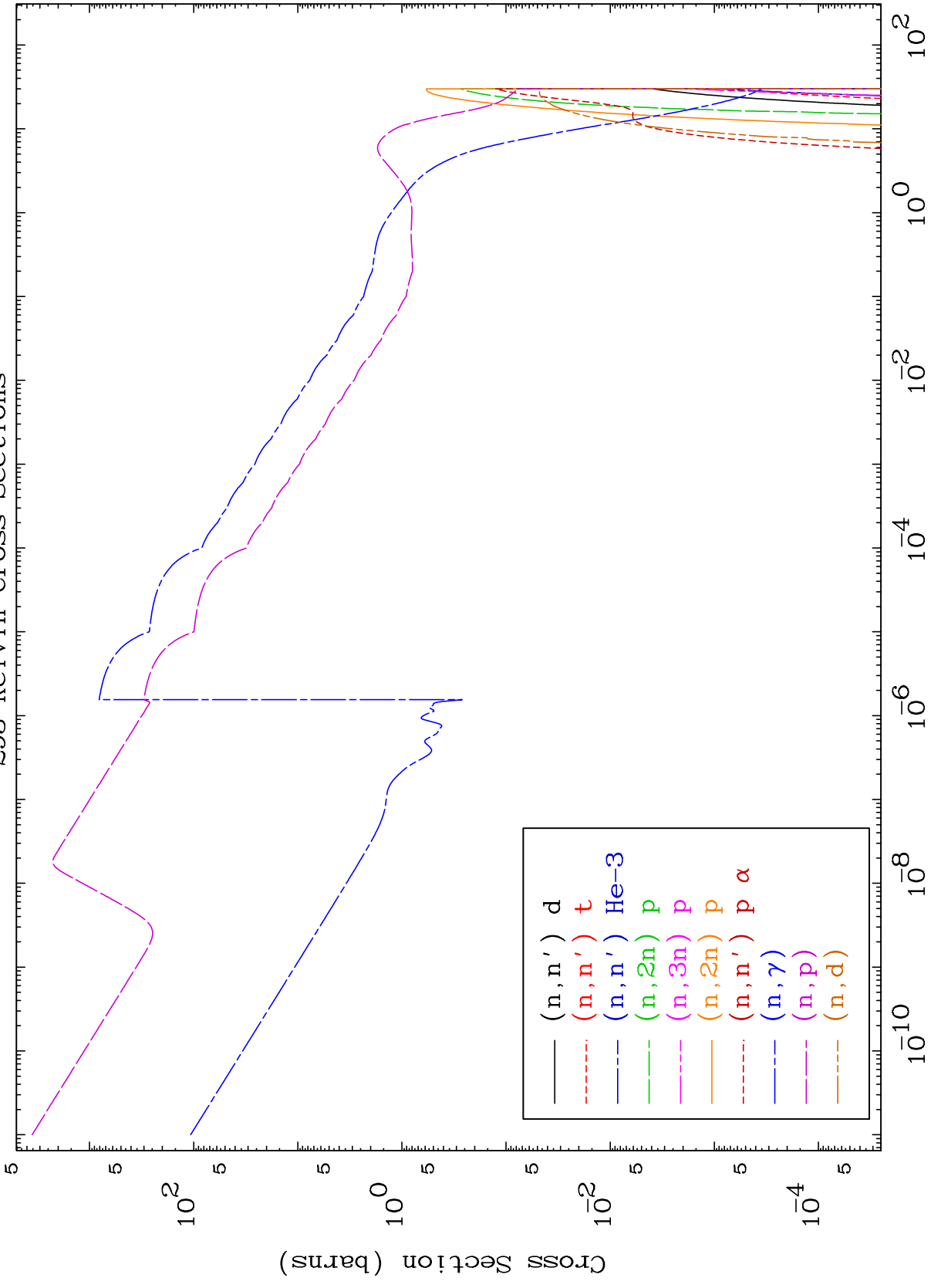
Incident Energy (MeV)

77-Ir-171m

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Neutron Absorption
293 Kelvin Cross Sections

77-Ir-171m

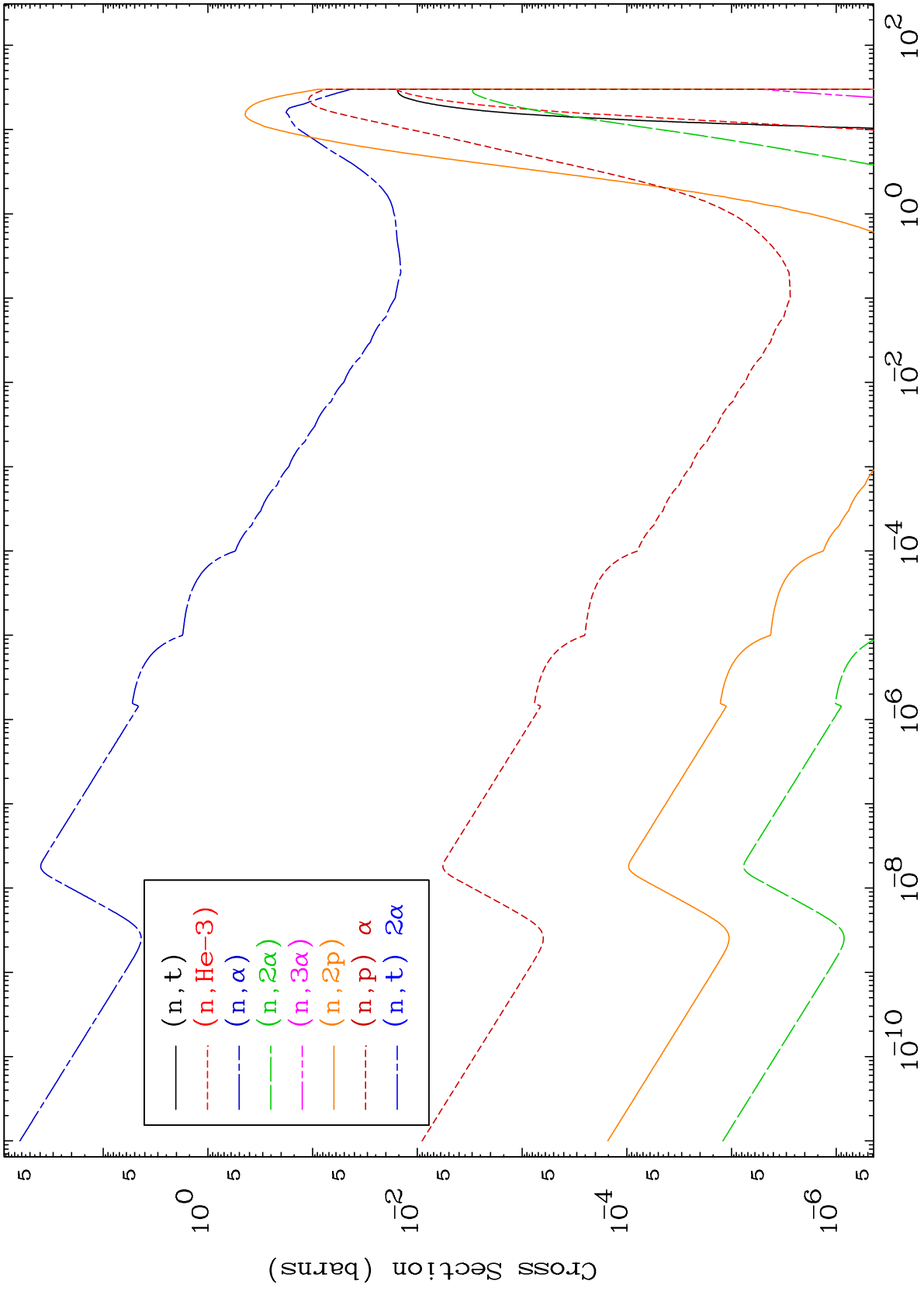


77-Ir-171m

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Neutron Absorption
293 Kelvin Cross Sections

77-Ir-171m

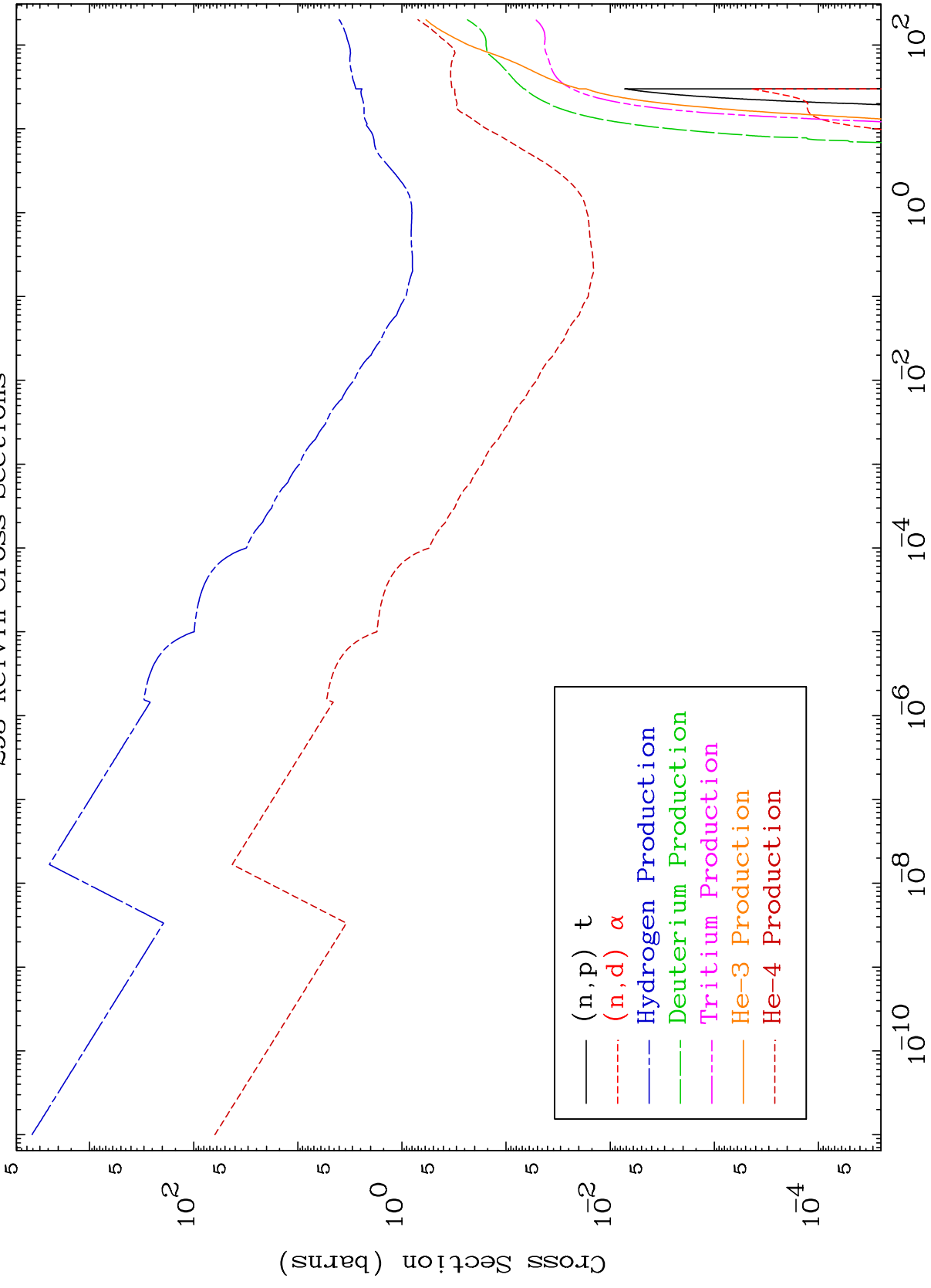


77-Ir-171m

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Neutron Absorption
293 Kelvin Cross Sections

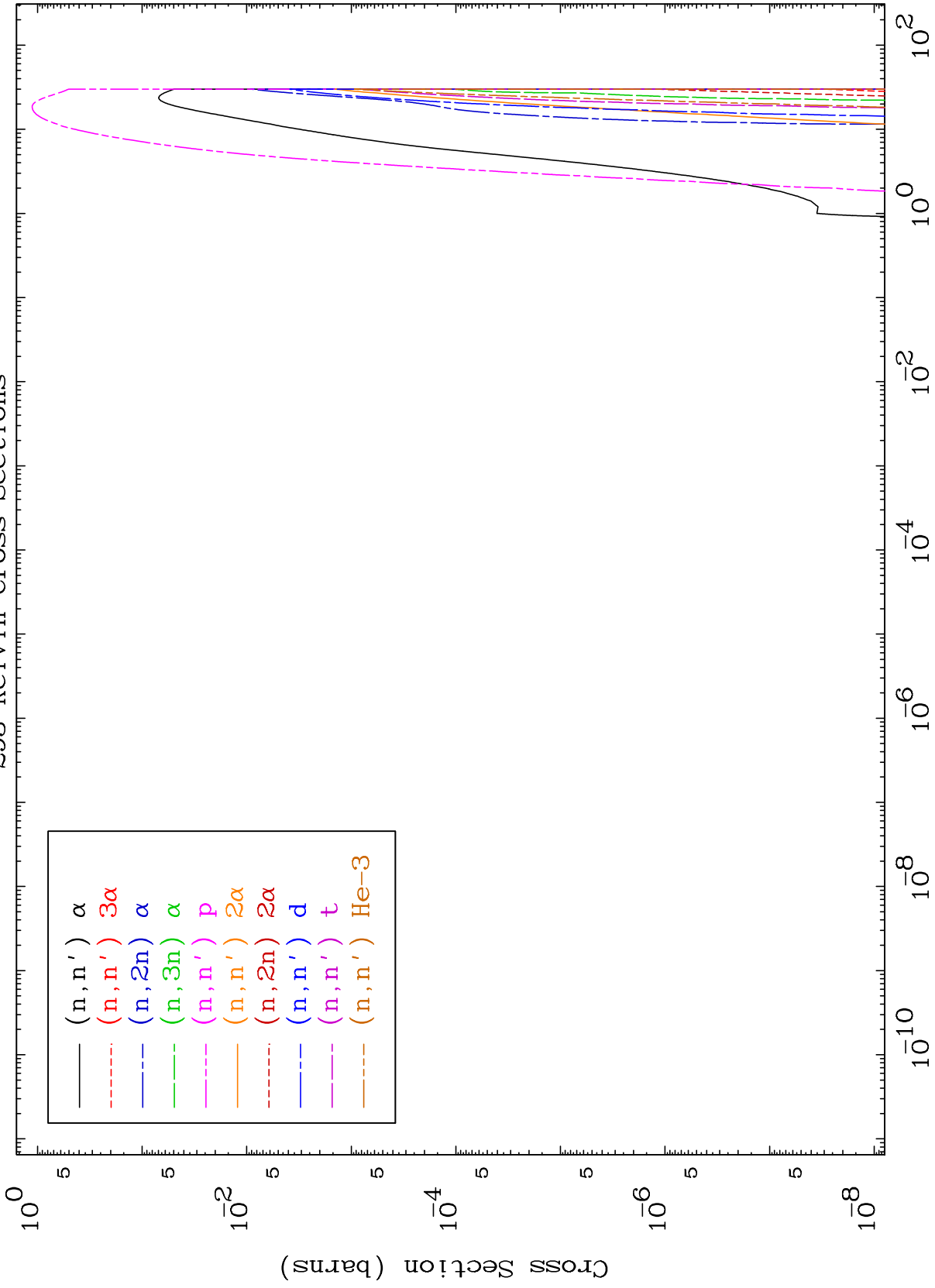
77-Ir-171m



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Charged Particle
293 Kelvin Cross Sections

77-Ir-171m



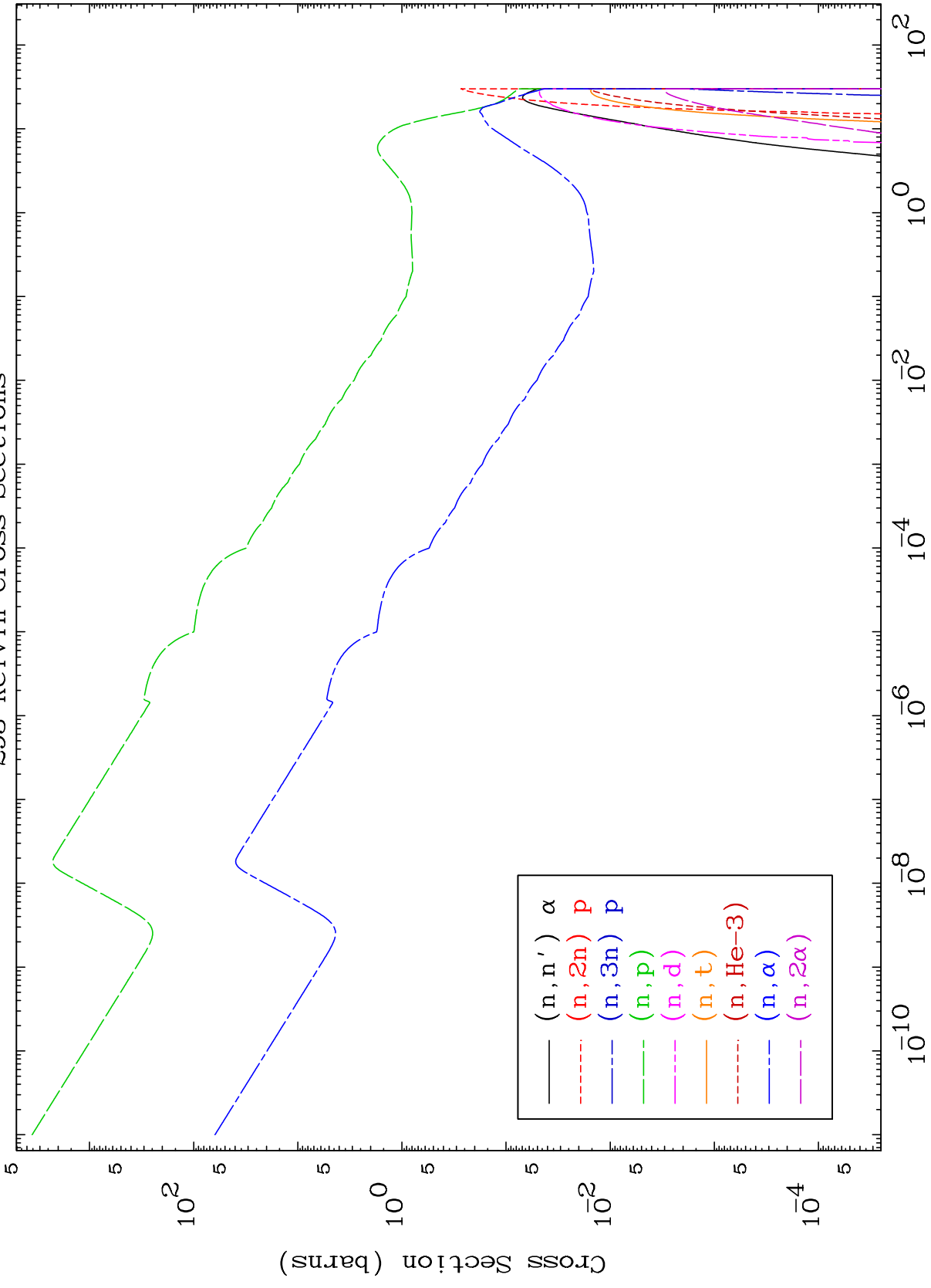
6

77-Ir-171m

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Charged Particle
293 Kelvin Cross Sections

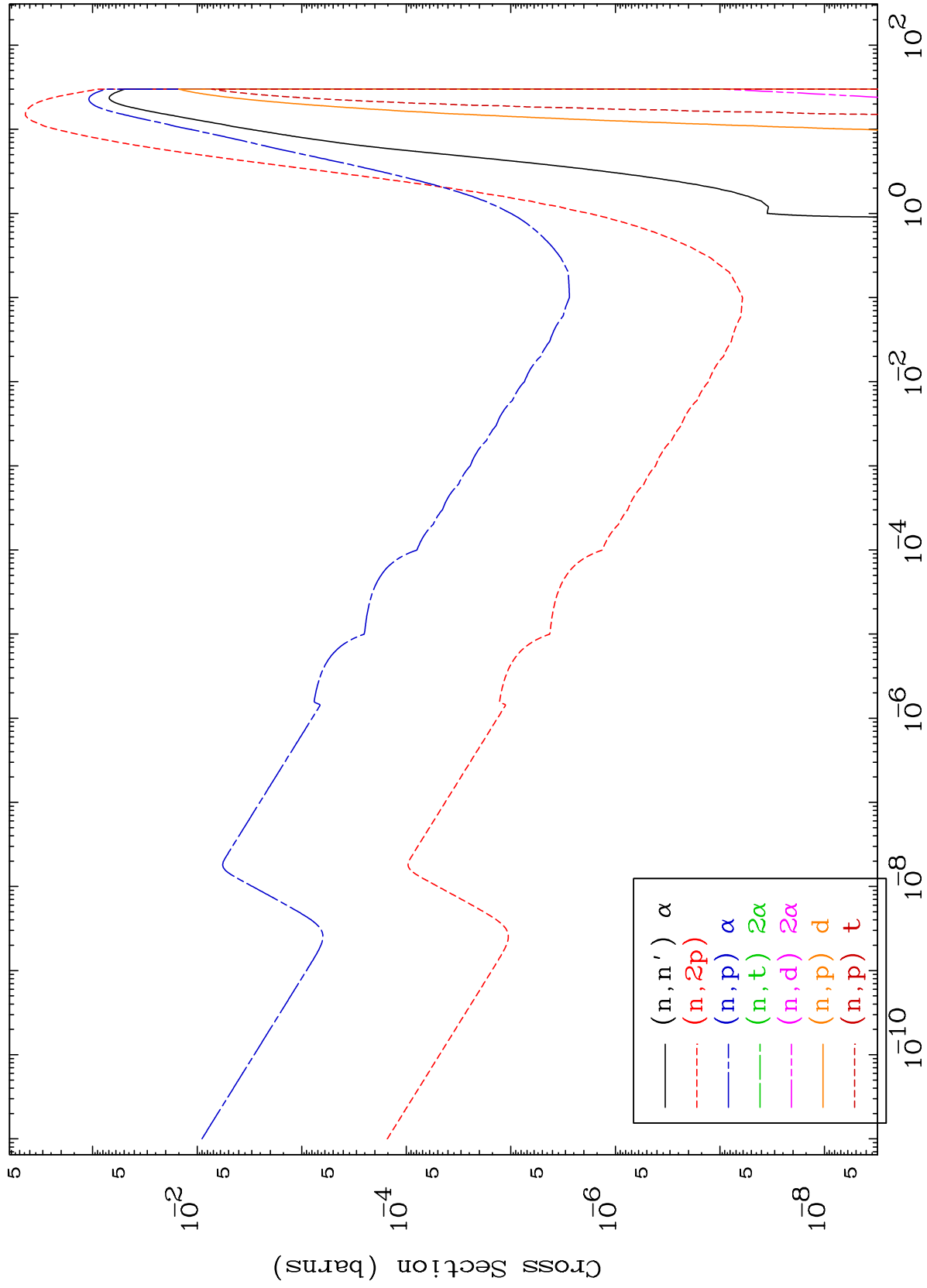
77-Ir-171m



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Charged Particle
293 Kelvin Cross Sections

77-Ir-171m

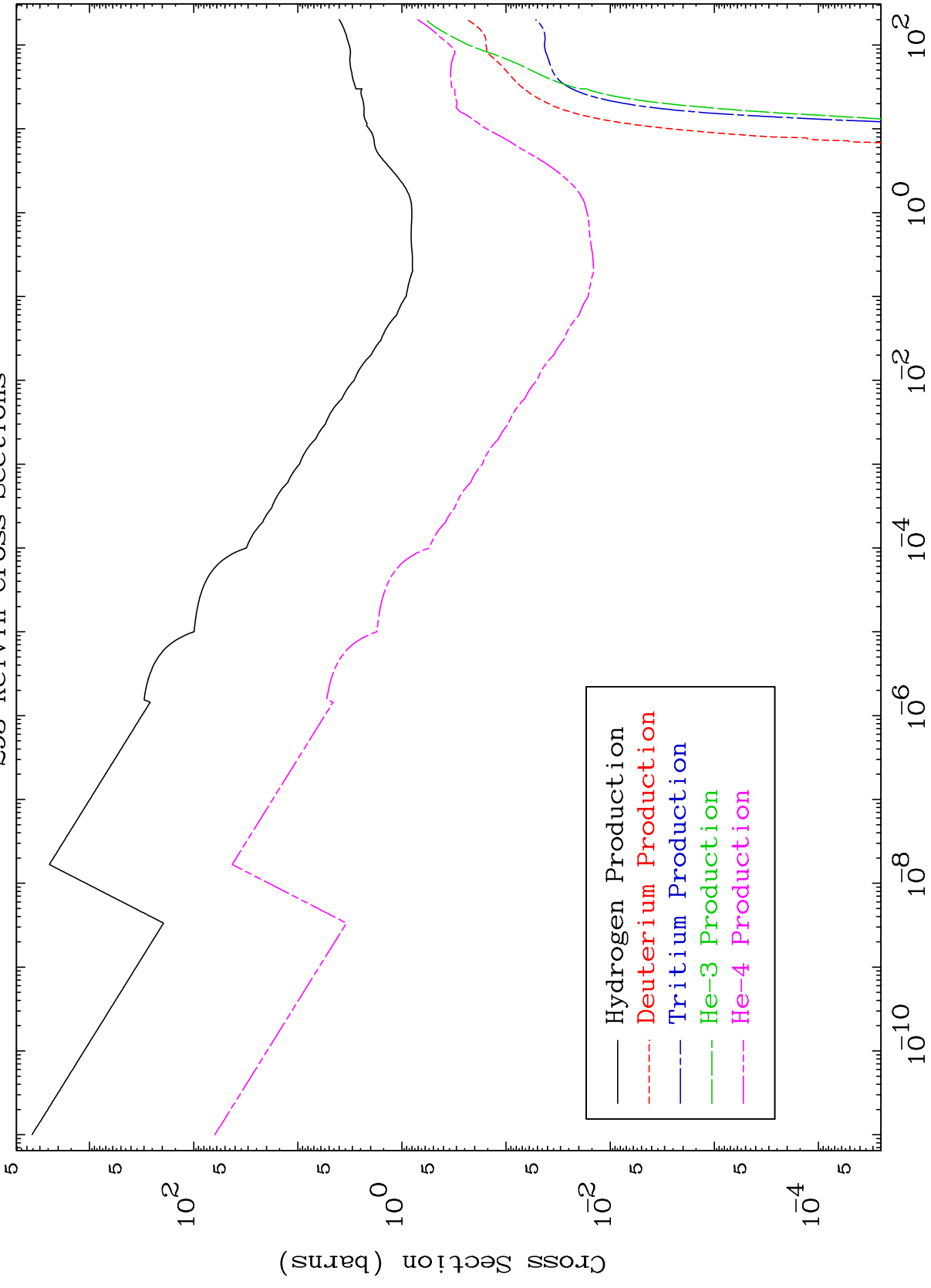


77-Ir-171m

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Particle Production
293 Kelvin Cross Sections

⁷⁷Ir-171m

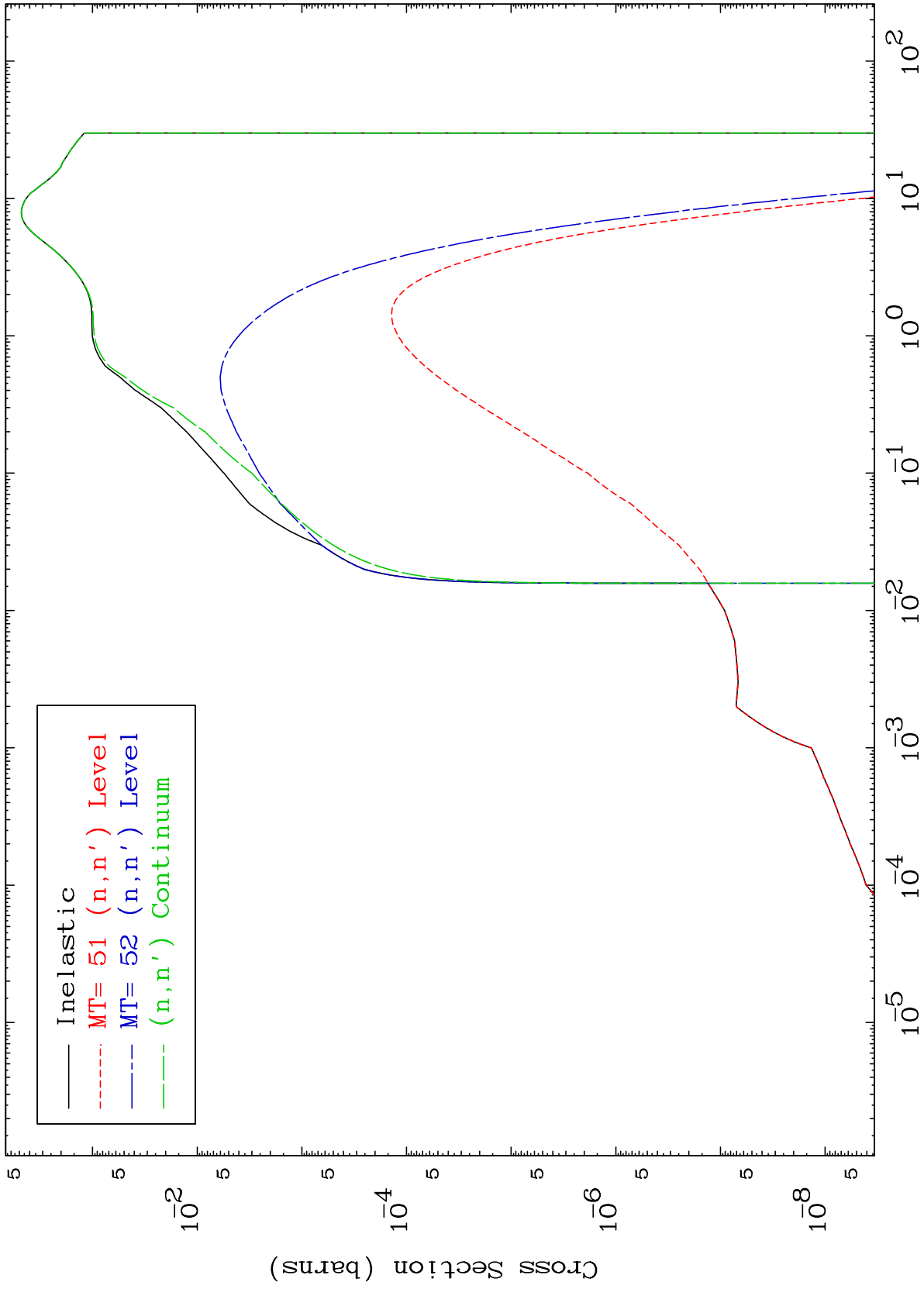


⁷⁷Ir-171m

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293 Kelvin Cross Sections

77-Ir-171m



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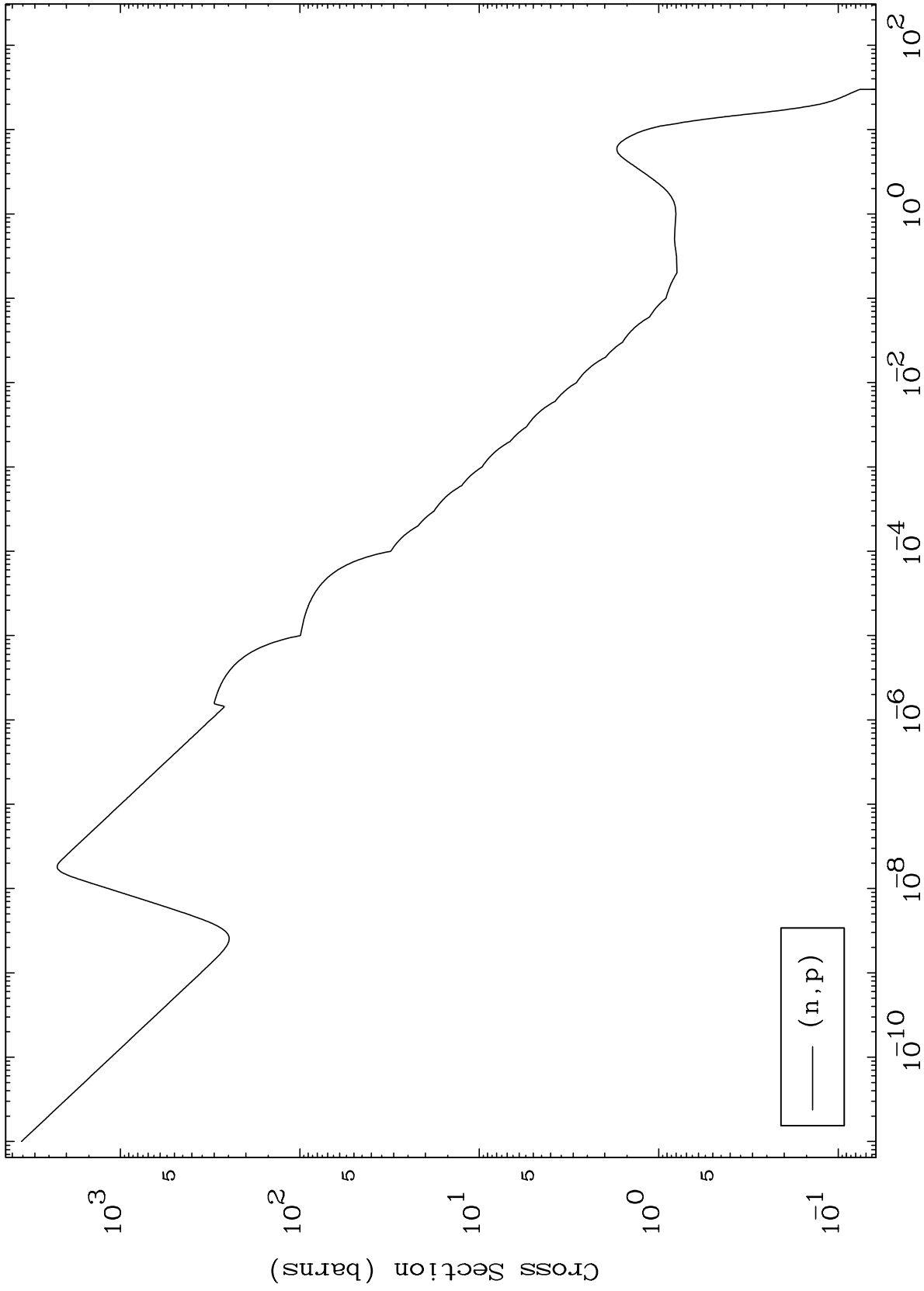
Incident Energy (MeV)

77-Ir-171m

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(n,p) Levels
293 Kelvin Cross Sections

⁷⁷Ir-171m

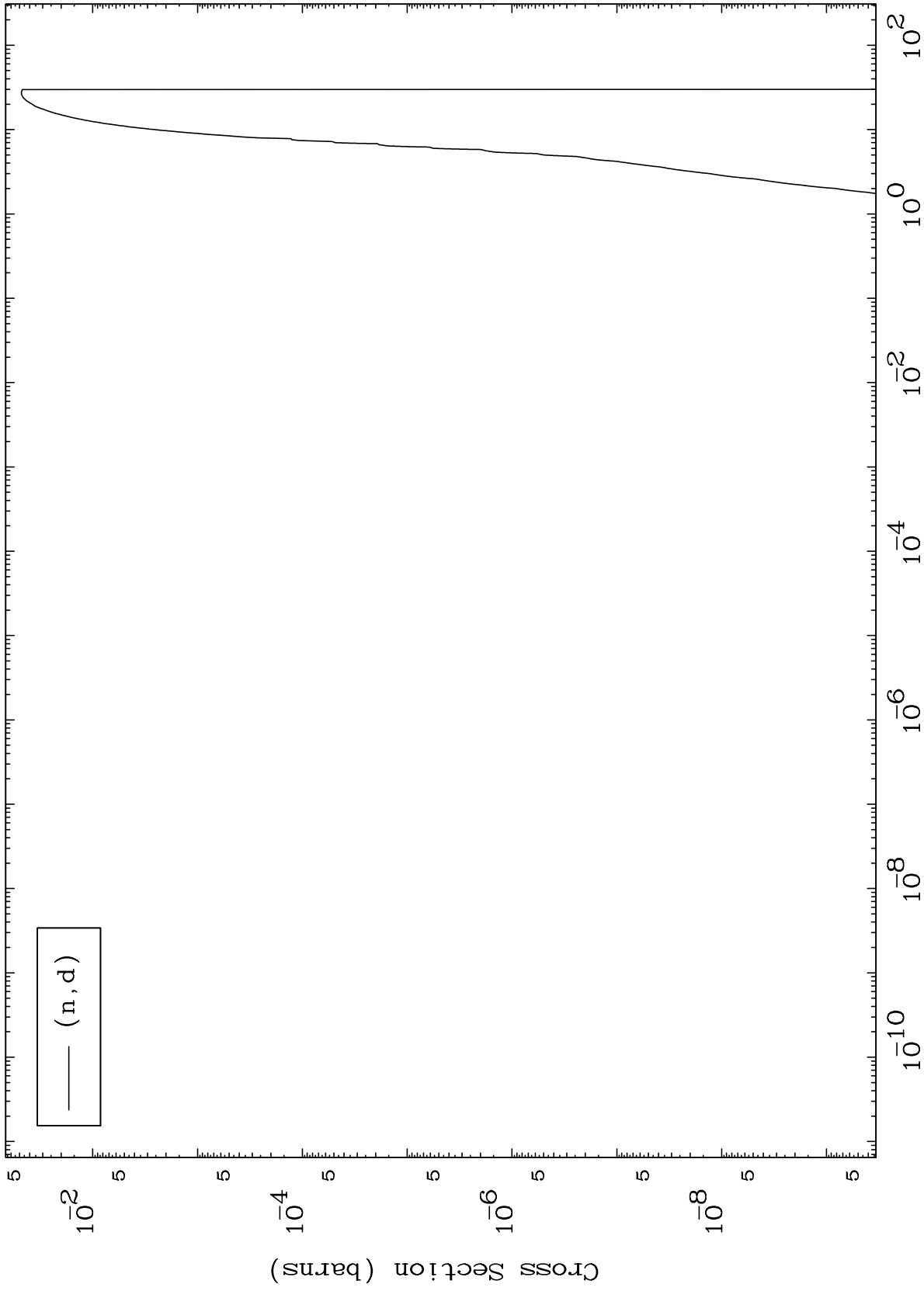


— (n, p)

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(n,d) Levels
293 Kelvin Cross Sections

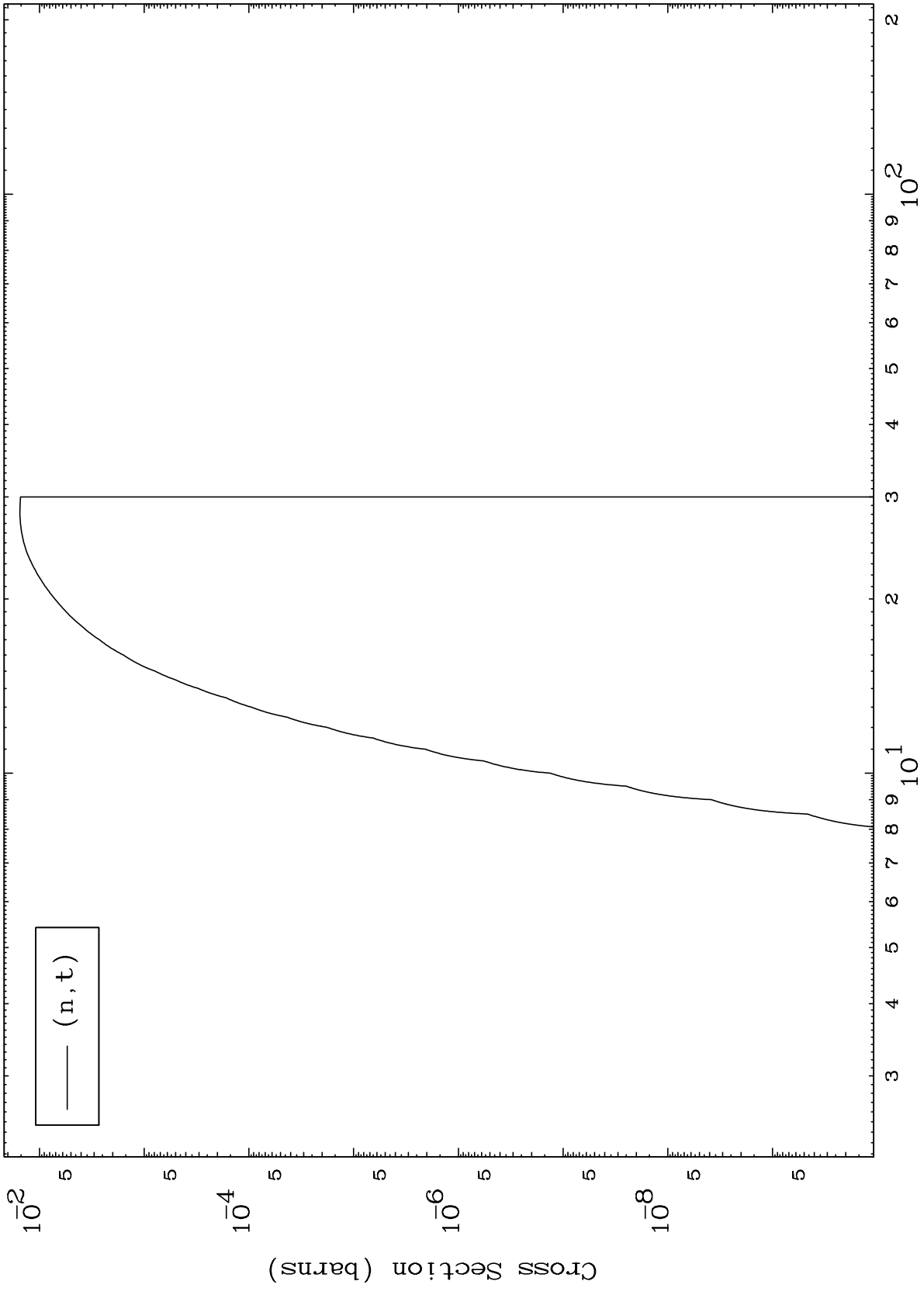
77-Ir-171m



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(n,t) Levels
293 Kelvin Cross Sections

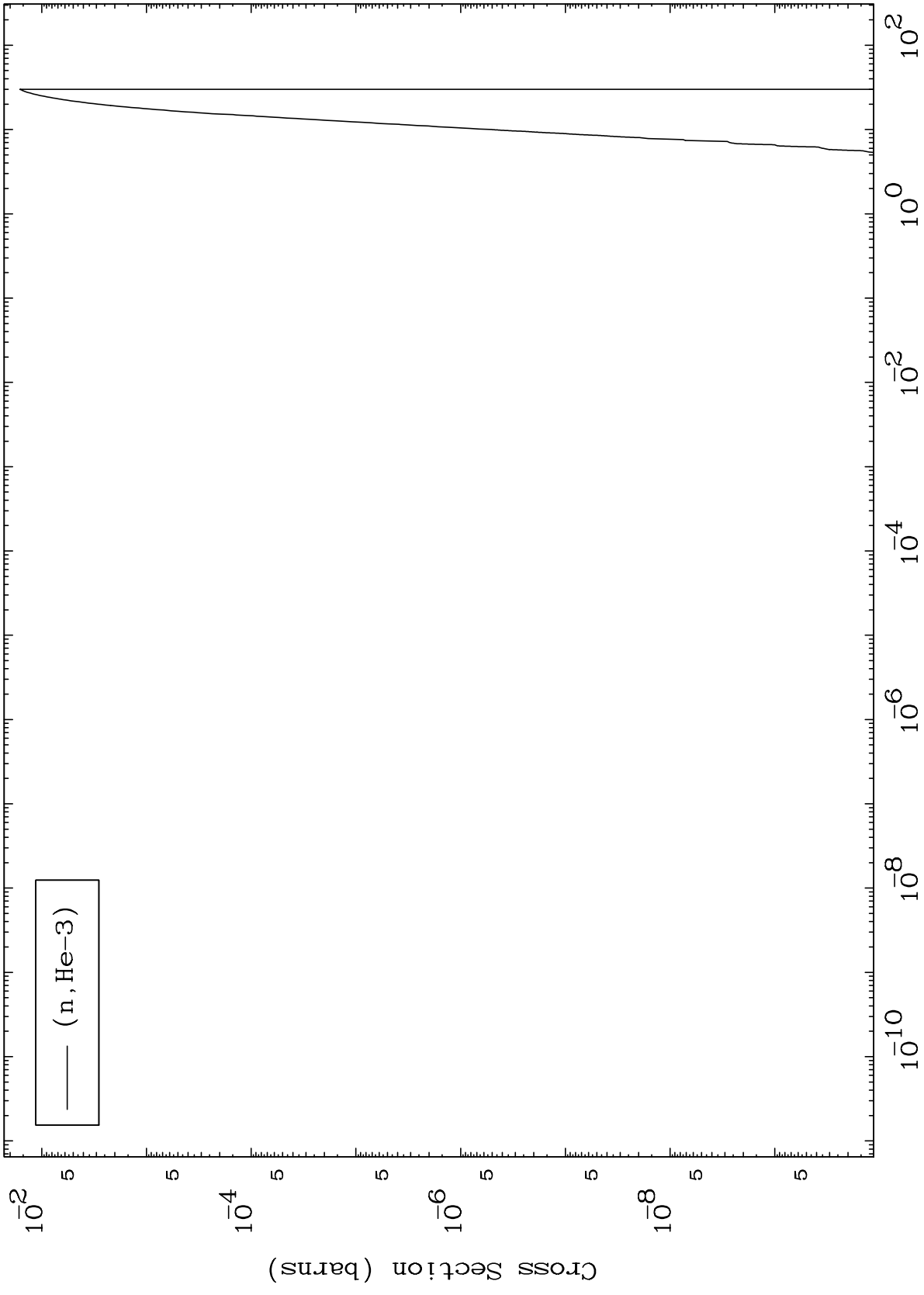
77-Ir-171m



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(n,He3) Levels
293 Kelvin Cross Sections

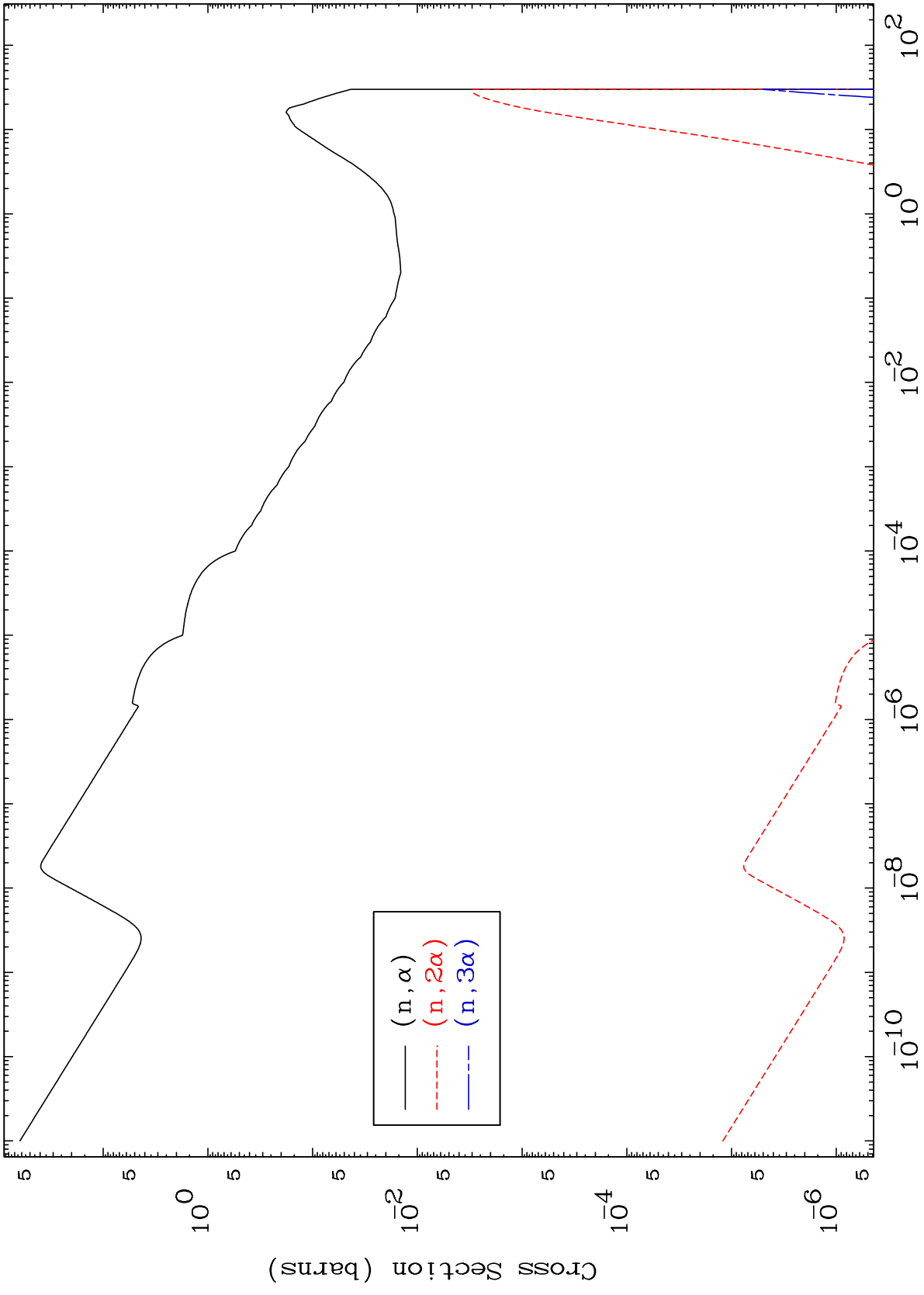
77-Ir-171m



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(n,α) Levels
293 Kelvin Cross Sections

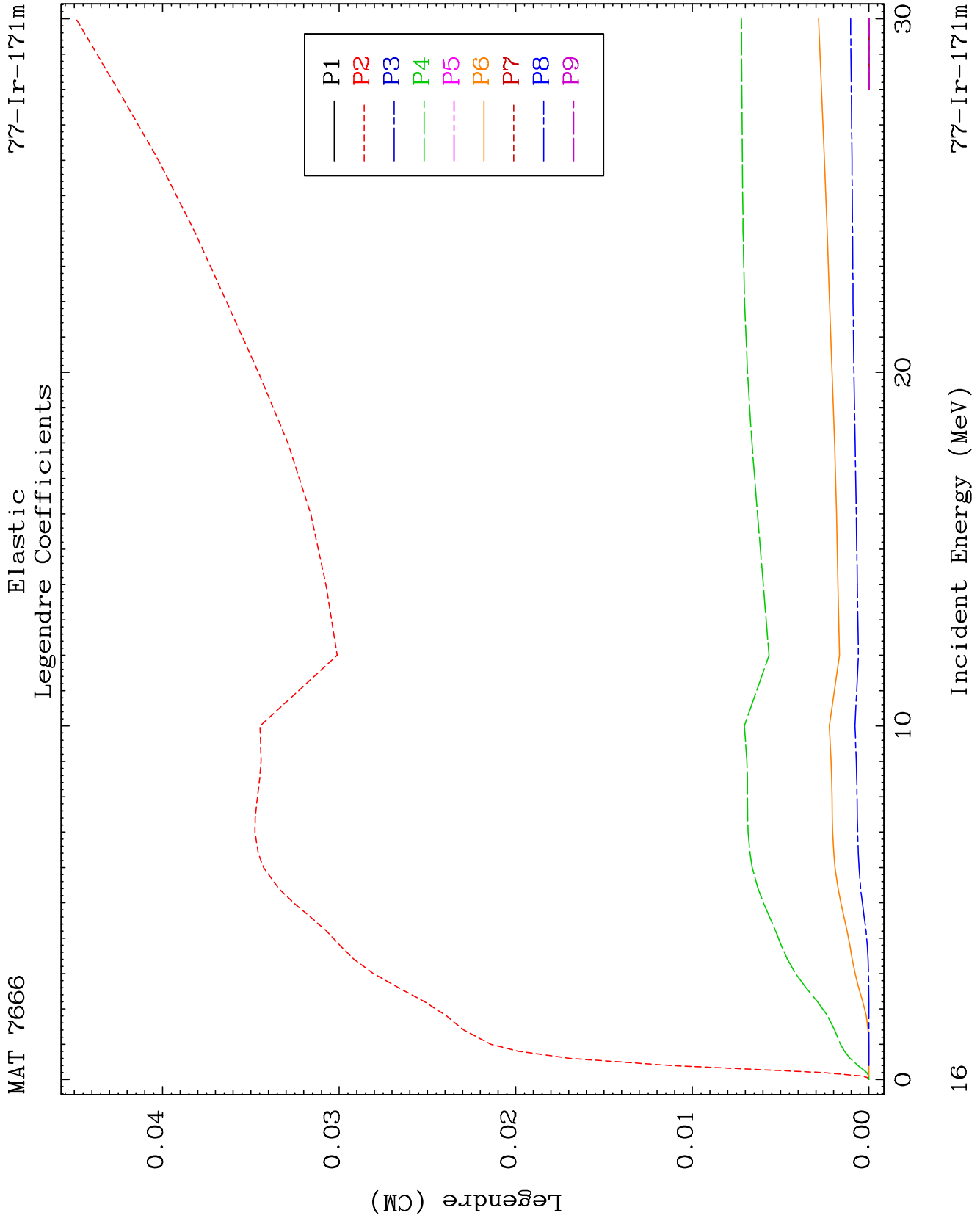
77-Ir-171m



15

Incident Energy (MeV)

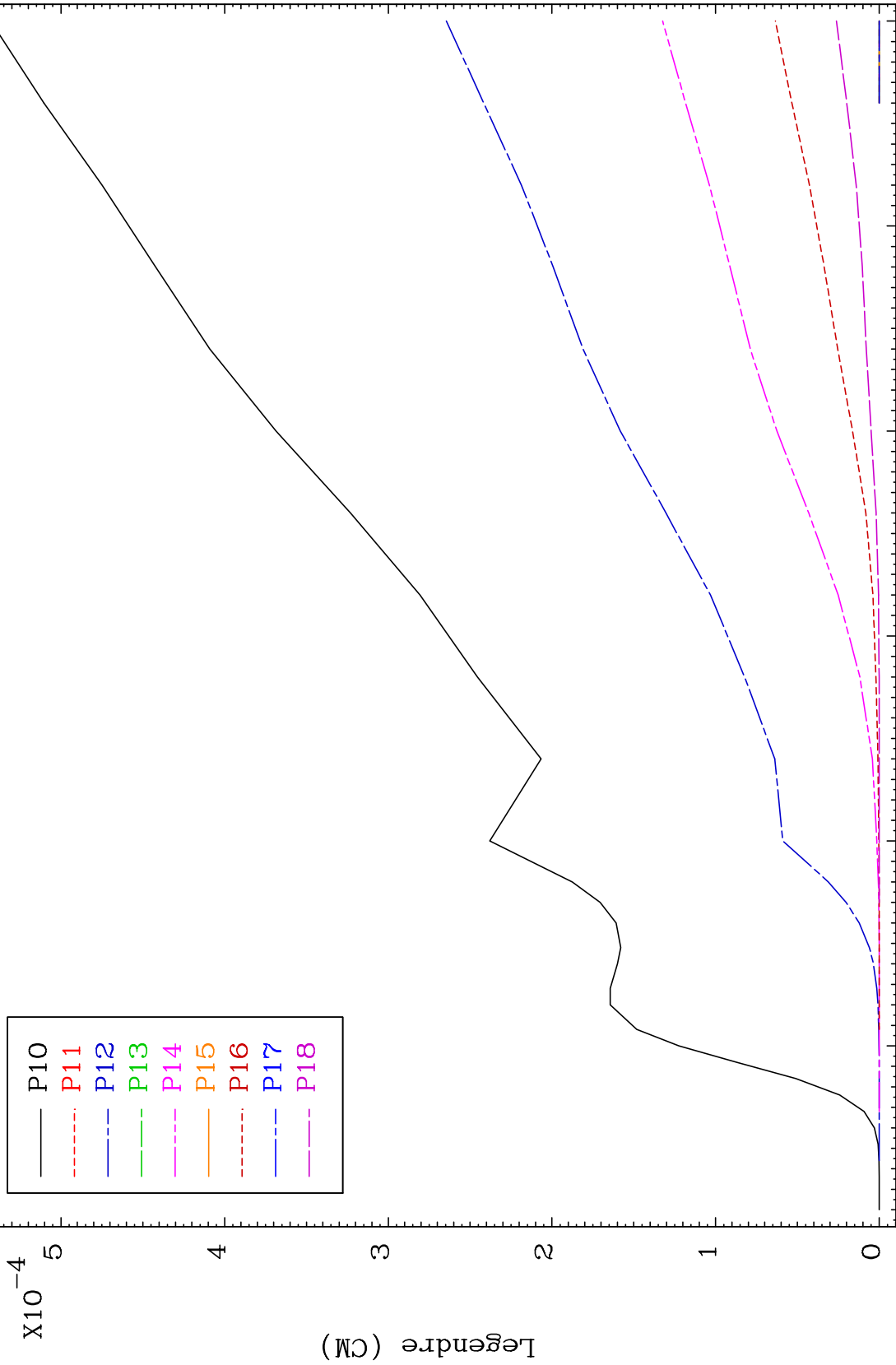
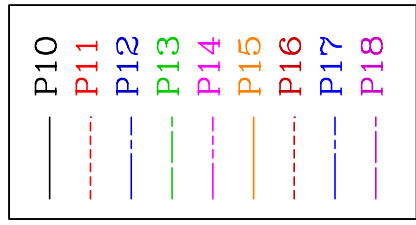
77-Ir-171m



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Elastic Legendre Coefficients

77-Ir-171m



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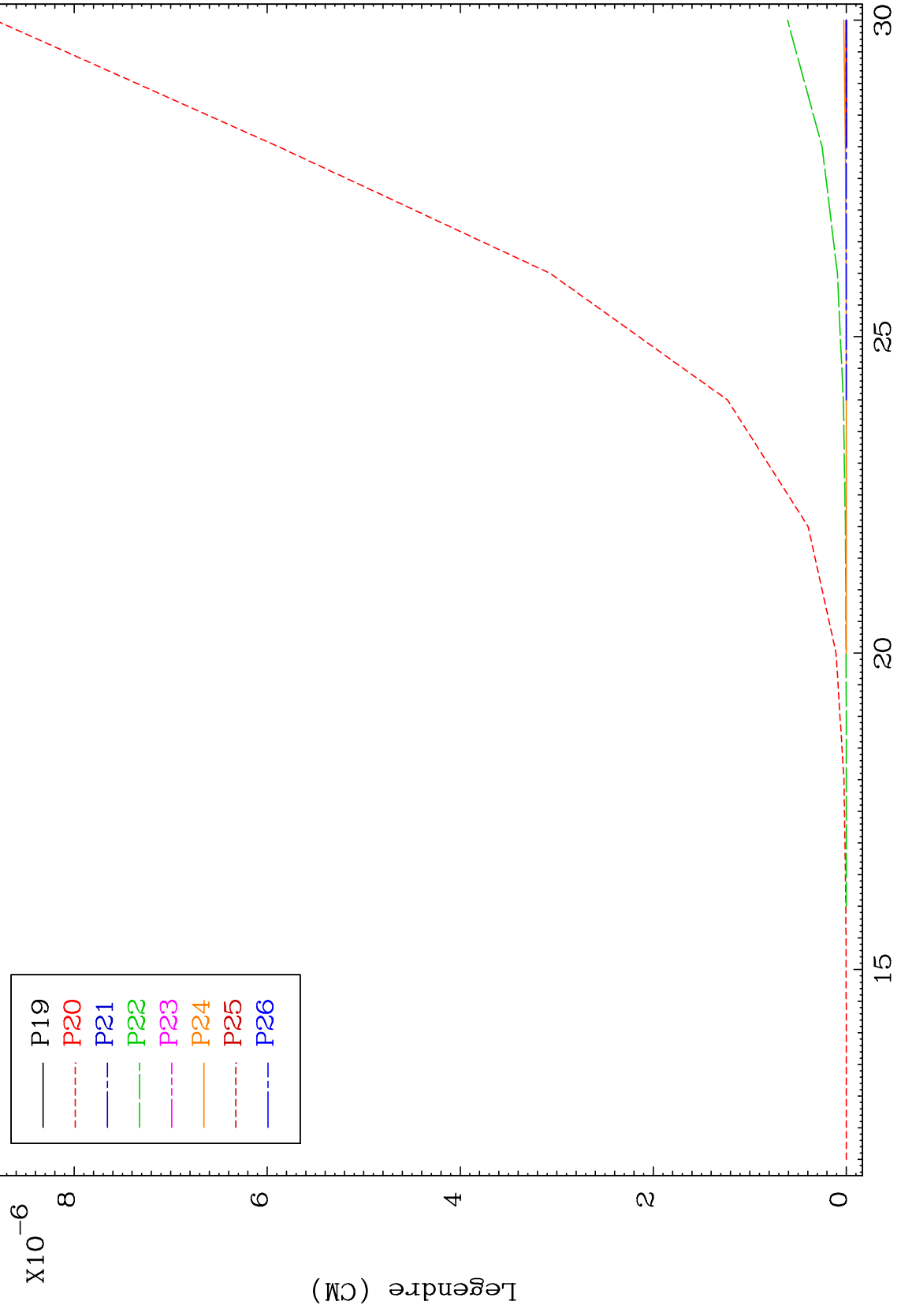
Incident Energy (MeV)

77-Ir-171m

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Elastic Legendre Coefficients

⁷⁷Ir-171m



18

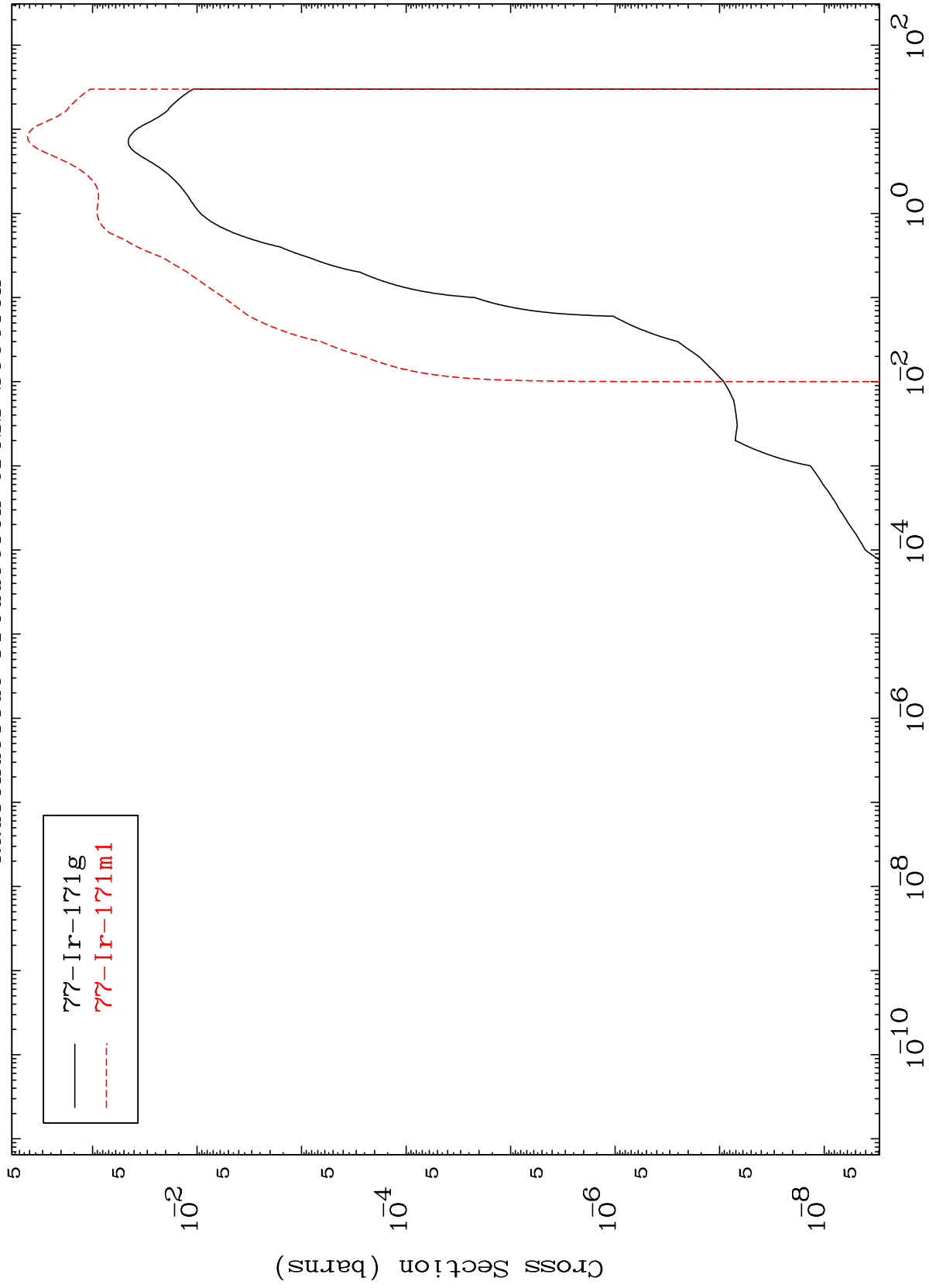
Incident Energy (MeV)

⁷⁷Ir-171m

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Inelastic
Radionuclide Production Cross Section

$^{77}\text{Ir-171m}$

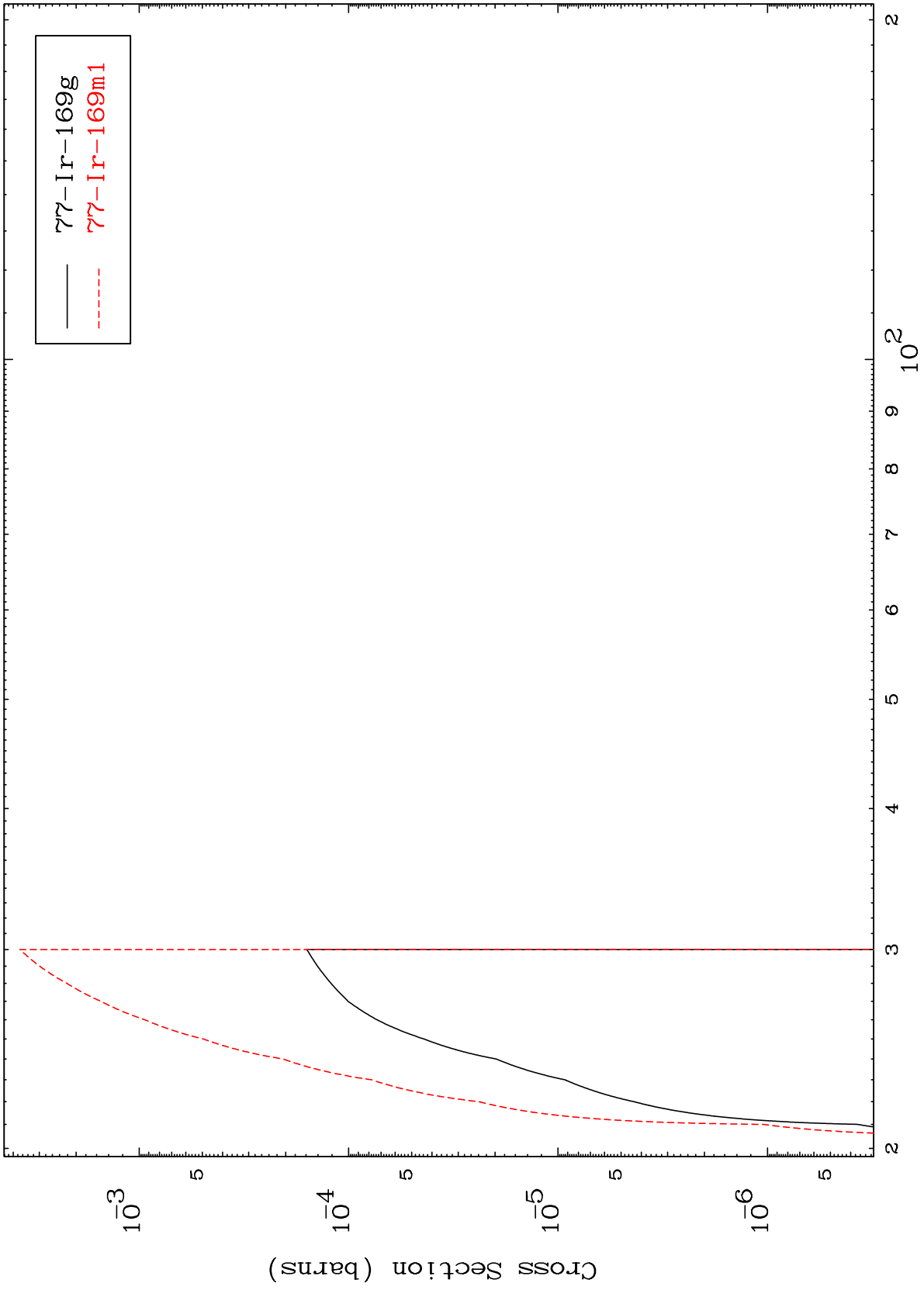


$^{77}\text{Ir-171m}$

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⁷⁷Ir-171m

(n,3n)
Radionuclide Production Cross Section



20

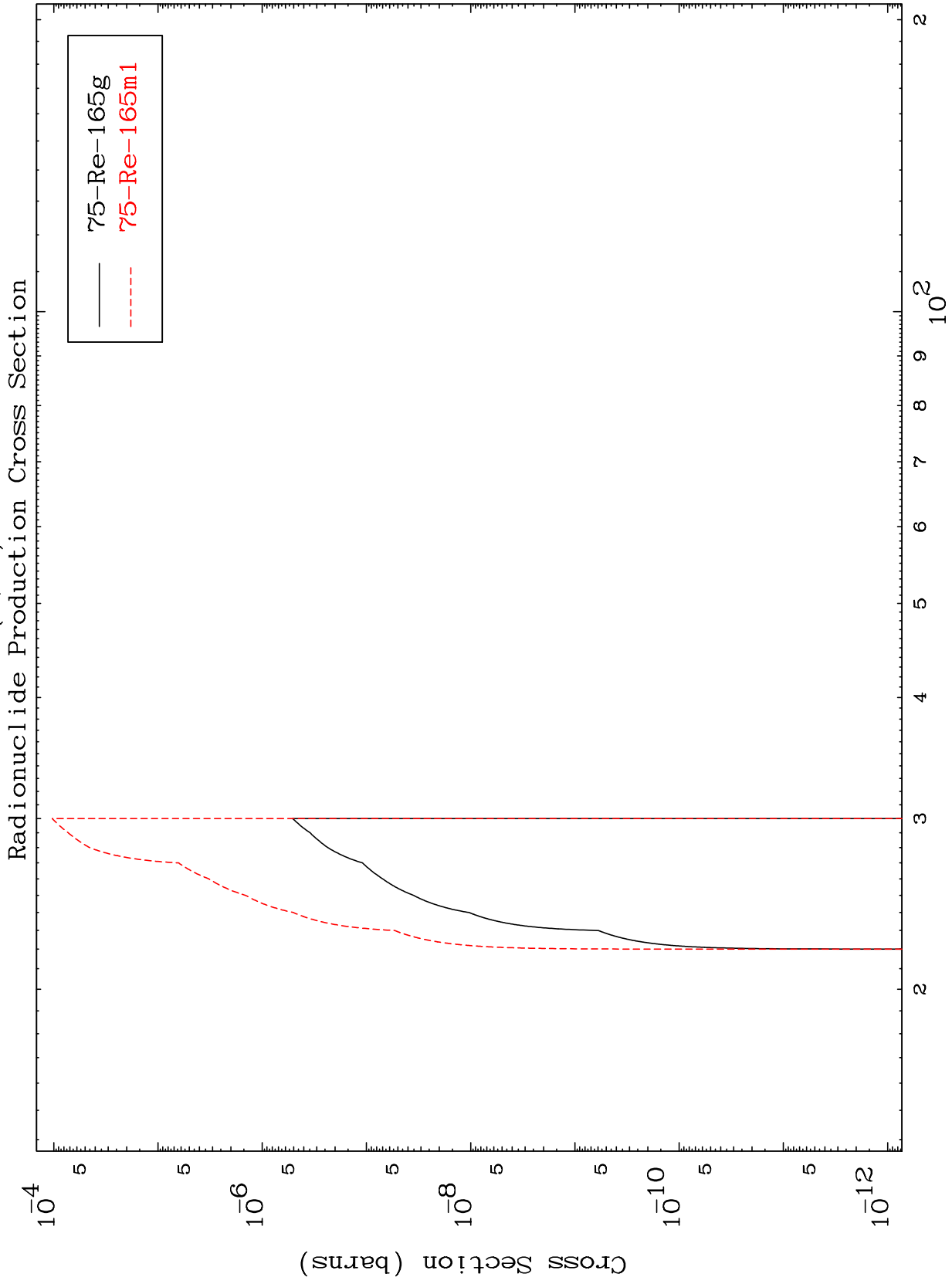
Incident Energy (MeV)

⁷⁷Ir-171m

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(n,3n) α

⁷⁷Ir-171m



21

Incident Energy (MeV)

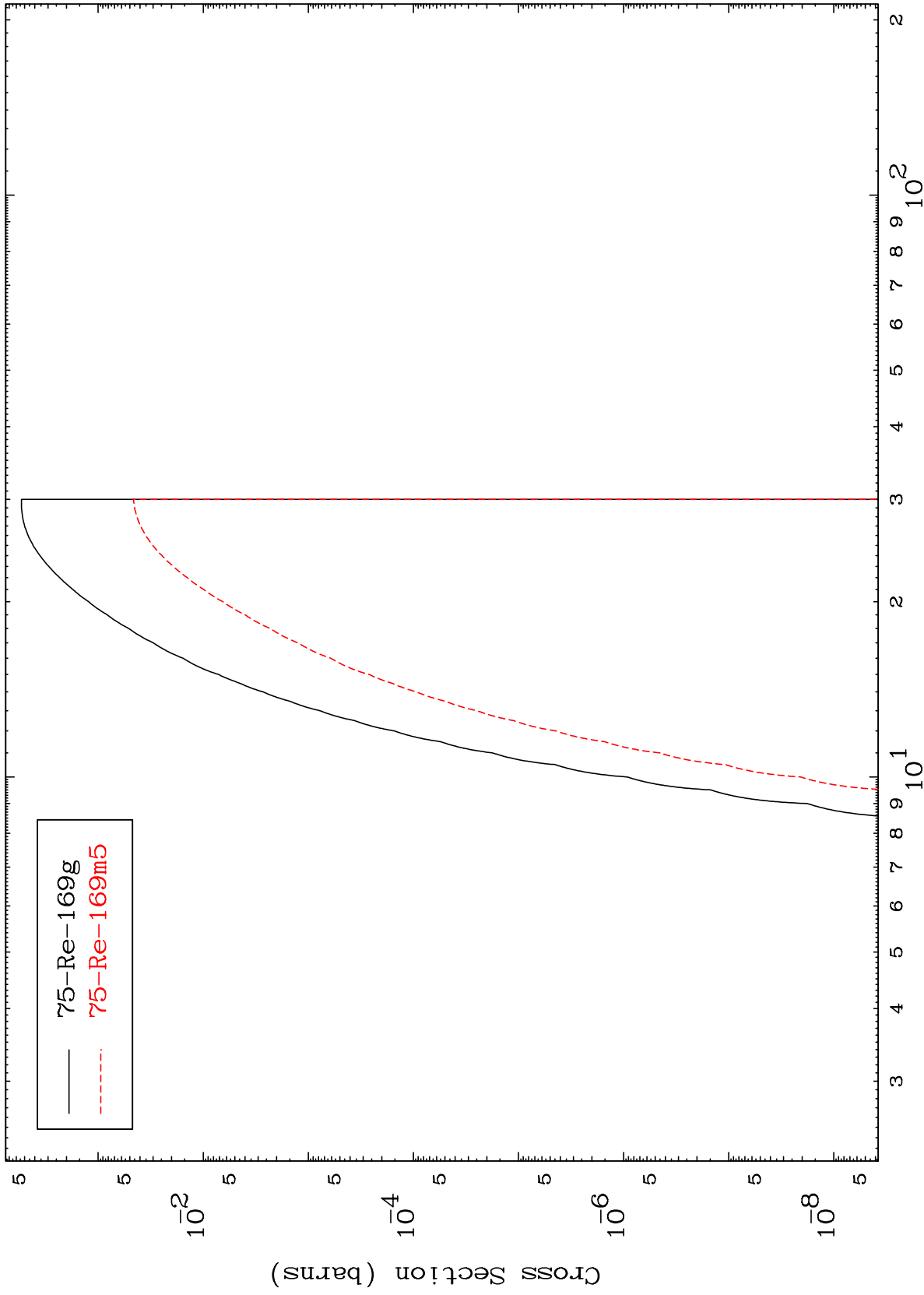
⁷⁷Ir-171m

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(n,2n) p

⁷⁷Ir-171m

Radionuclide Production Cross Section



22

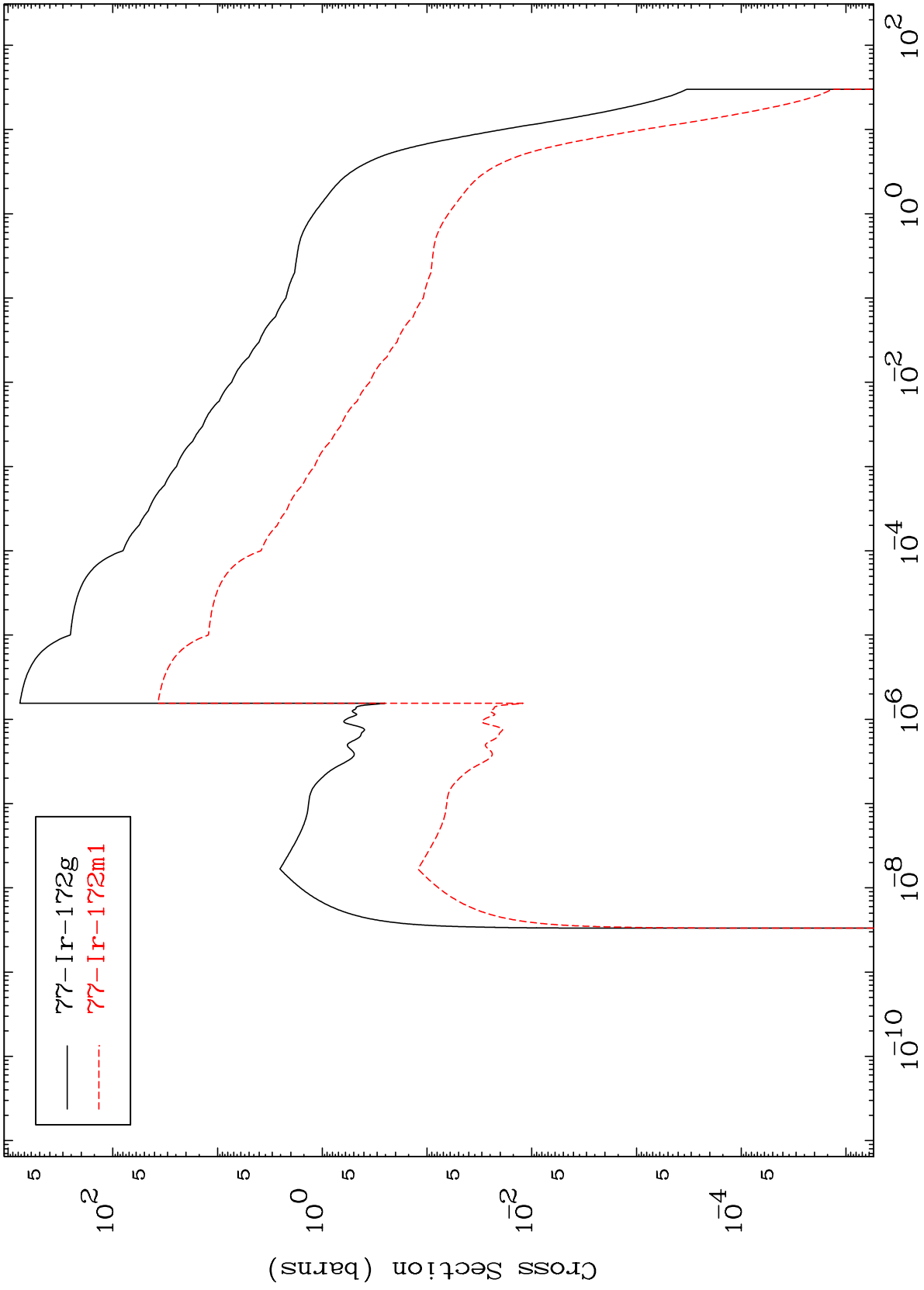
Incident Energy (MeV)

⁷⁷Ir-171m

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$^{77}\text{Ir-171m}$

Radionuclide Production Cross Section



23

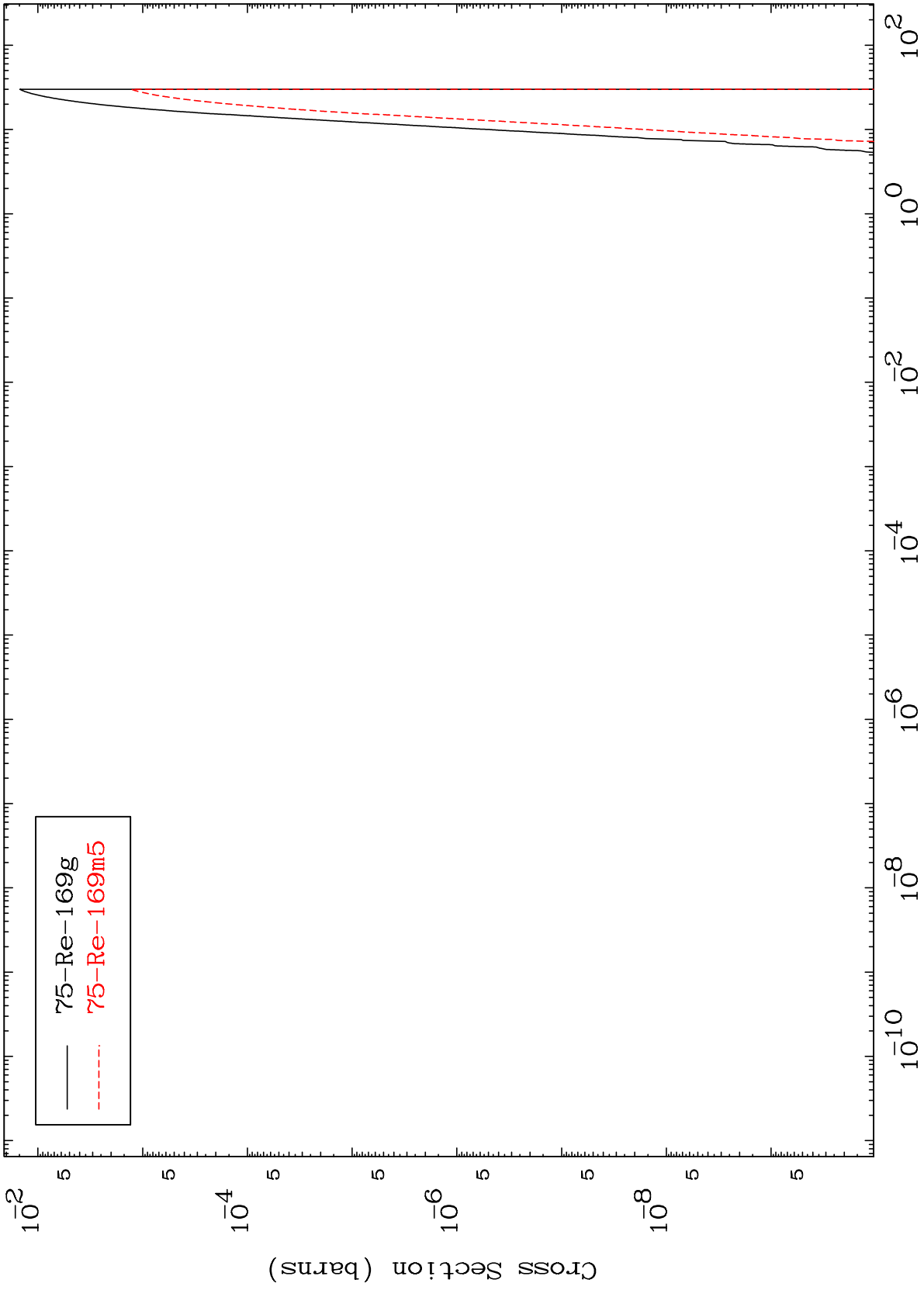
$^{77}\text{Ir-171m}$

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(n, He-3)

⁷⁷Ir-171m

Radionuclide Production Cross Section

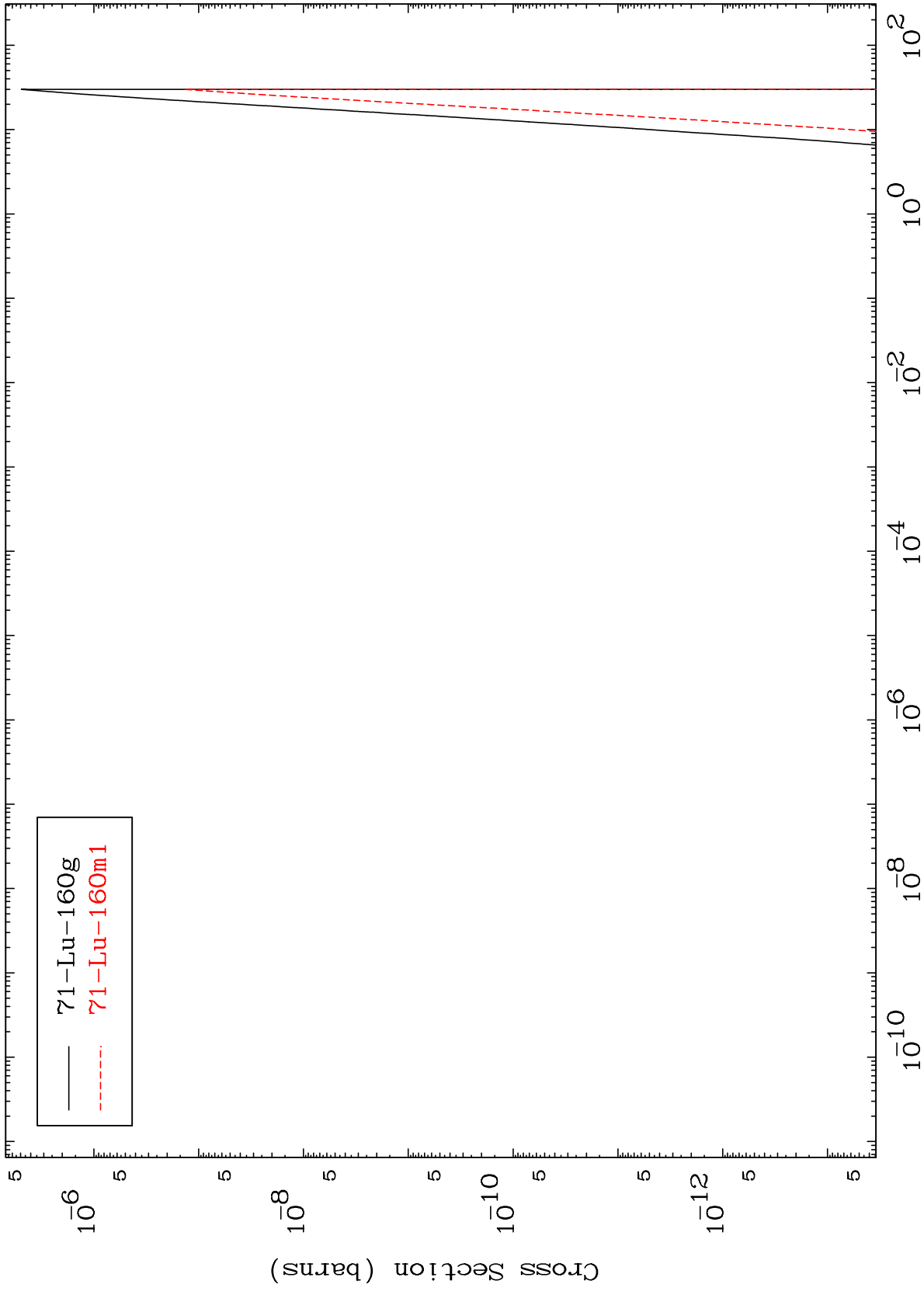


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(n,3α)

⁷⁷Ir-171m

Radionuclide Production Cross Section

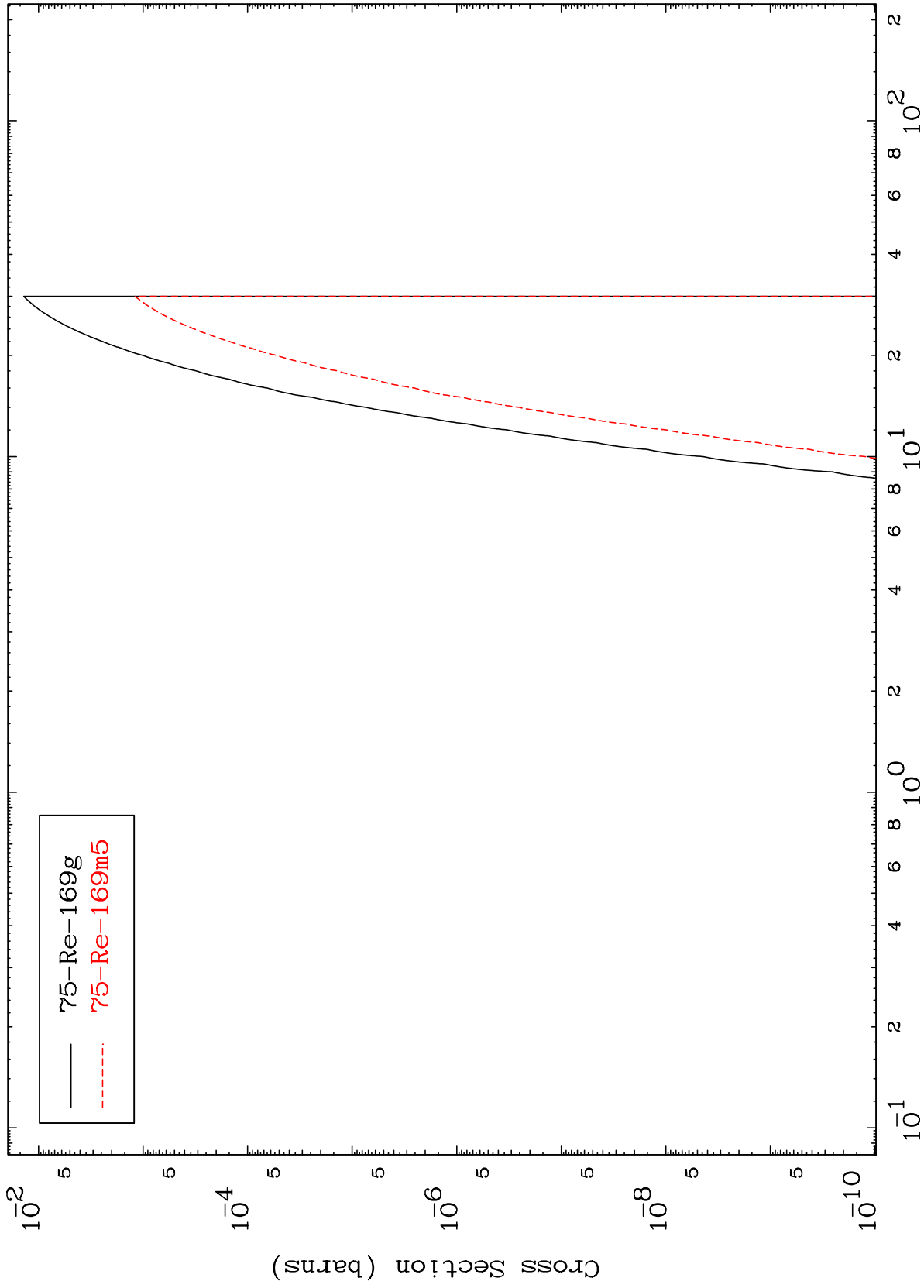


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(n,p) d

⁷⁷Ir-171m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

⁷⁷Ir-171m