

Program EVALPLOT
(Version 2021-1)

by

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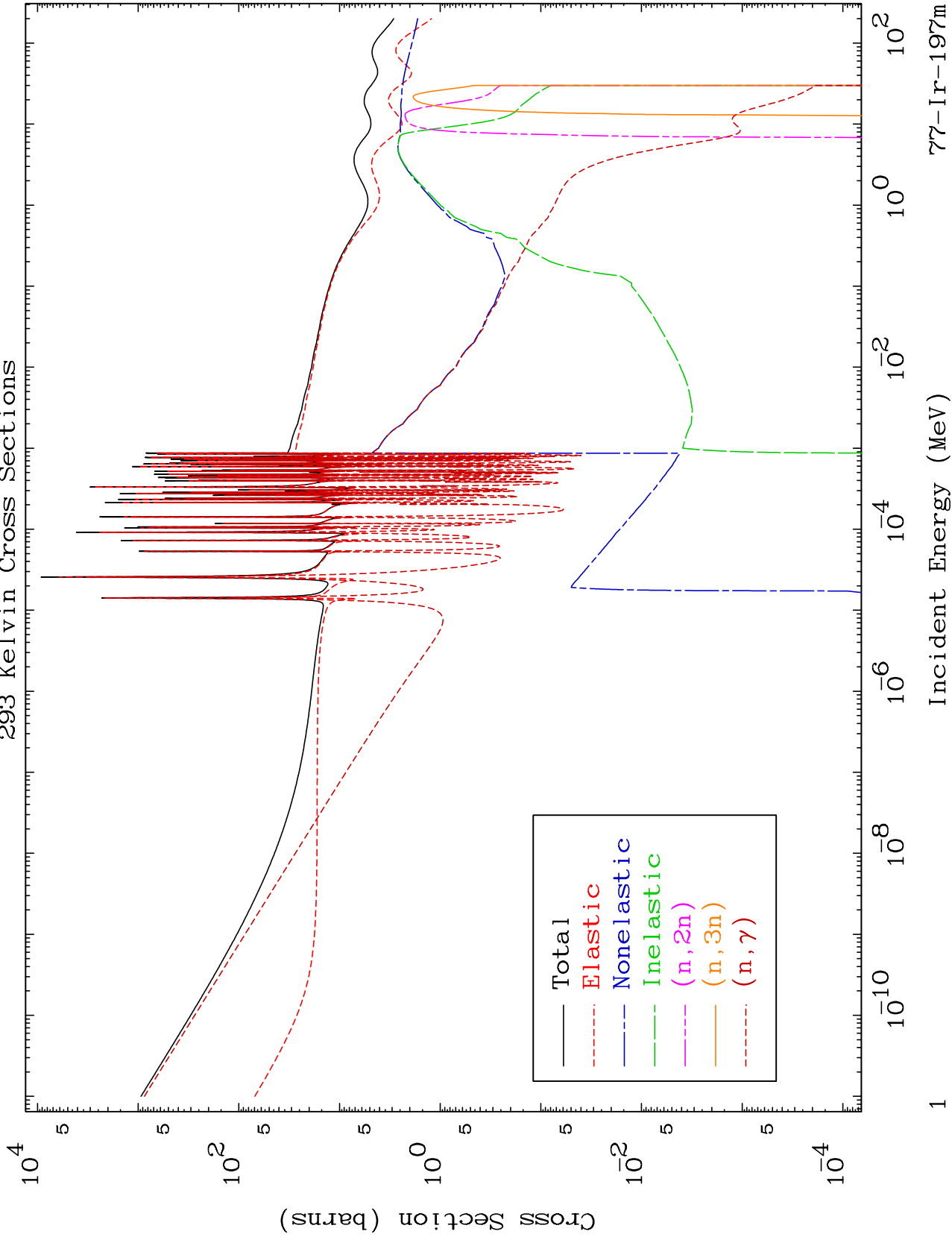
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7744

Neutron Major
293 Kelvin Cross Sections

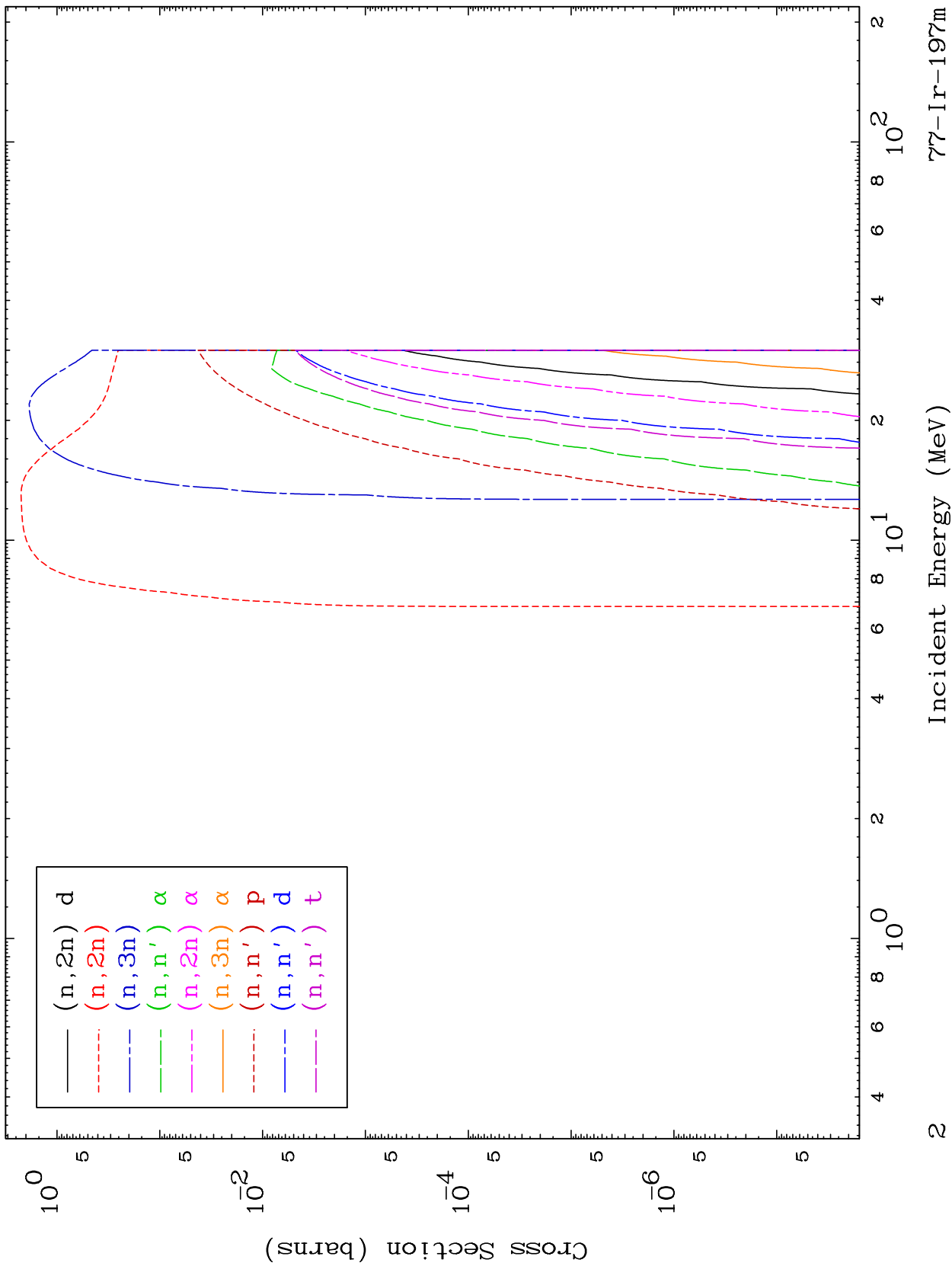
77-Ir-197m



MAT 7744

Neutron Absorption
293 Kelvin Cross Sections

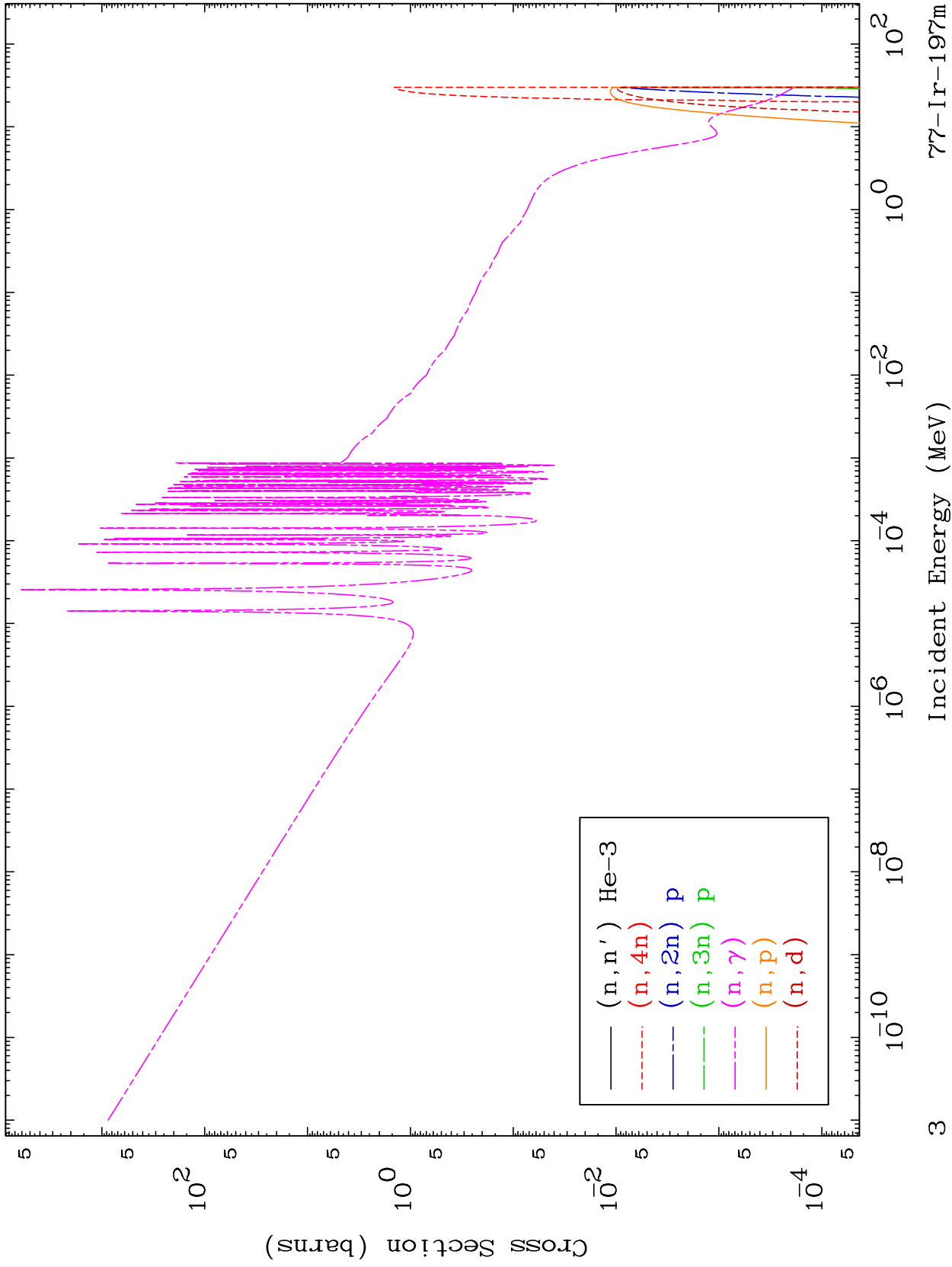
77-Ir-197m



MAT 7744

Neutron Absorption
293 Kelvin Cross Sections

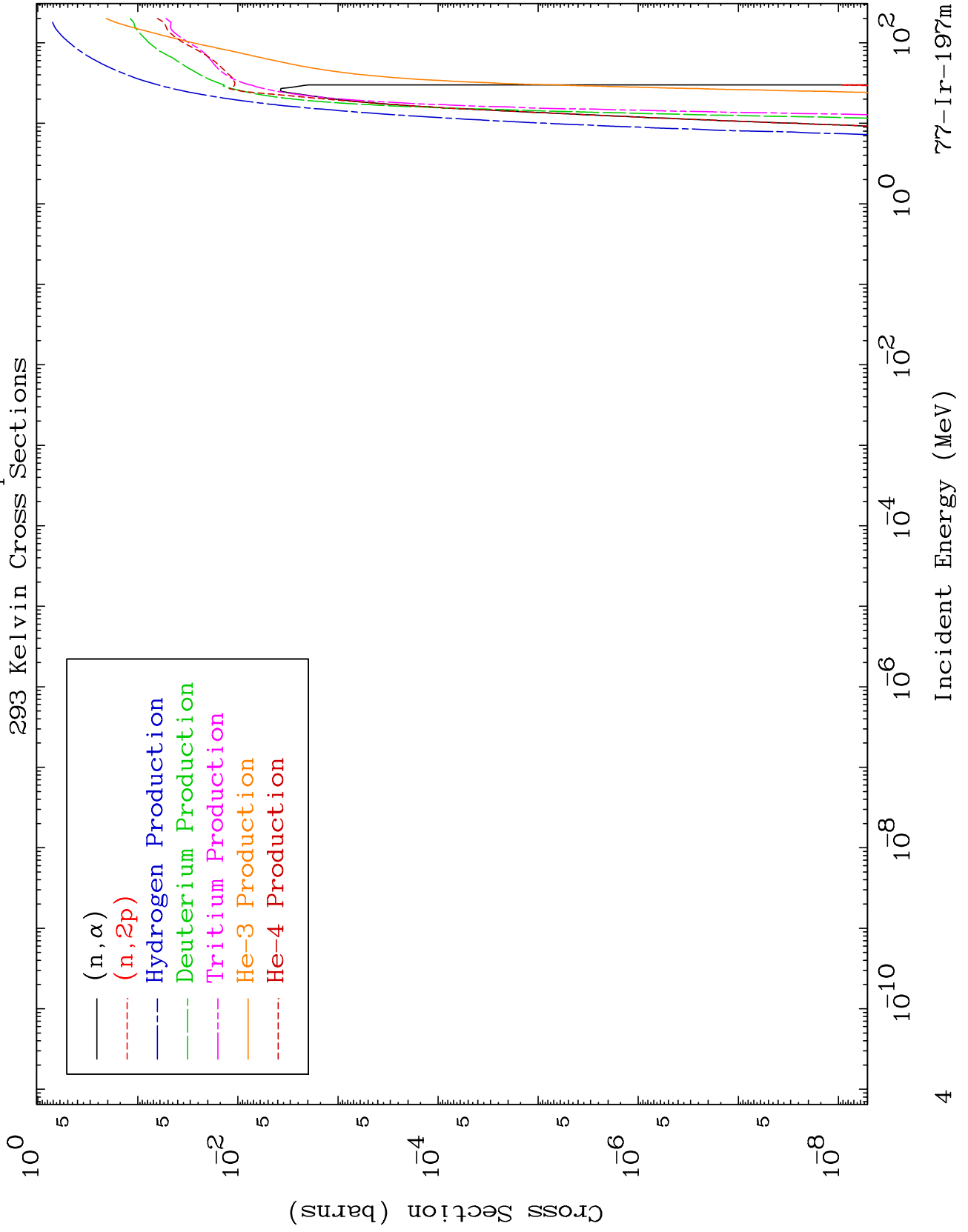
77-Ir-197m



MAT 7744

Neutron Absorption
293 Kelvin Cross Sections

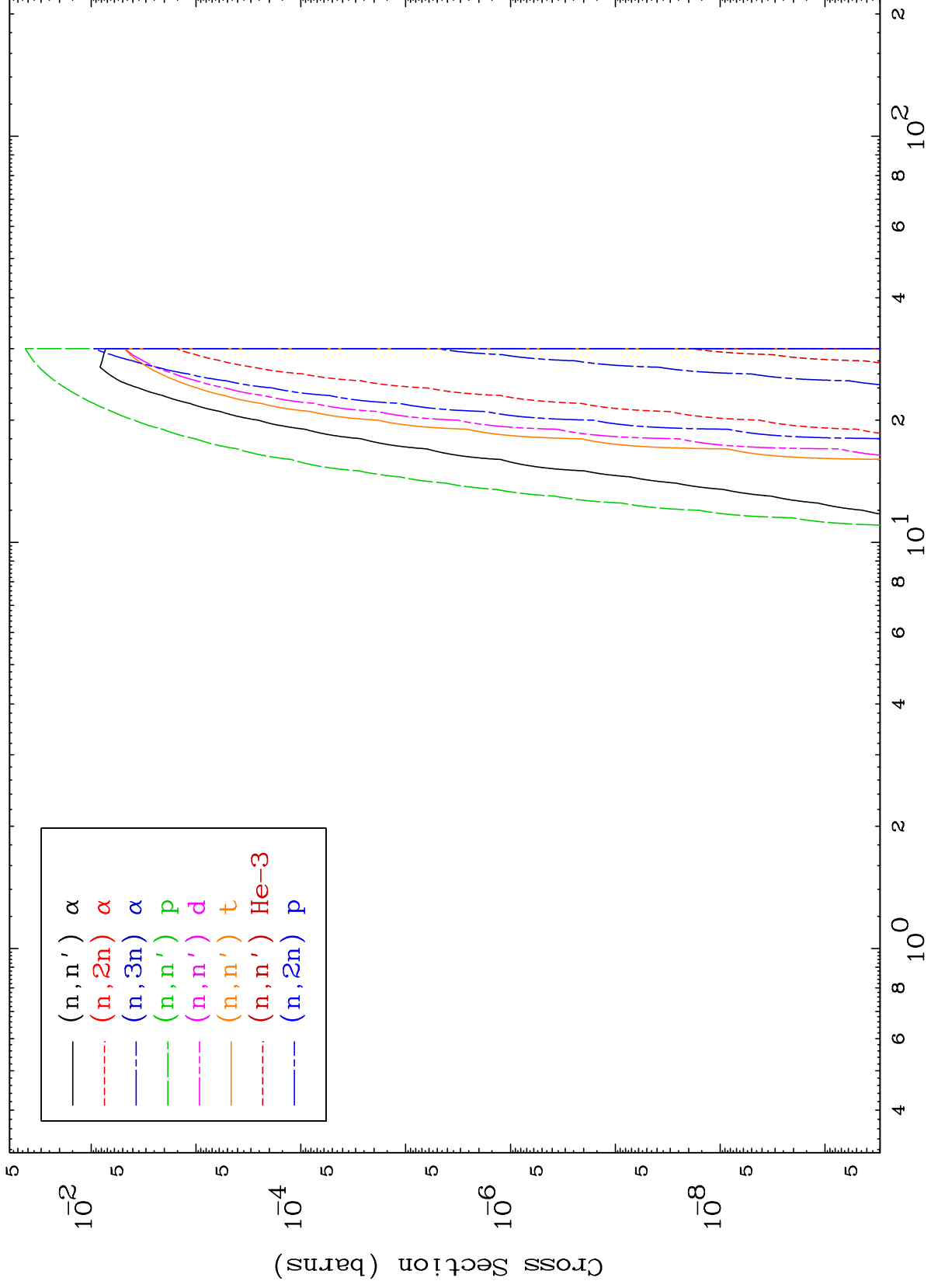
77-Ir-197m



MAT 7744

293 Kelvin Cross Sections
Charged Particle

77-Ir-197m



5

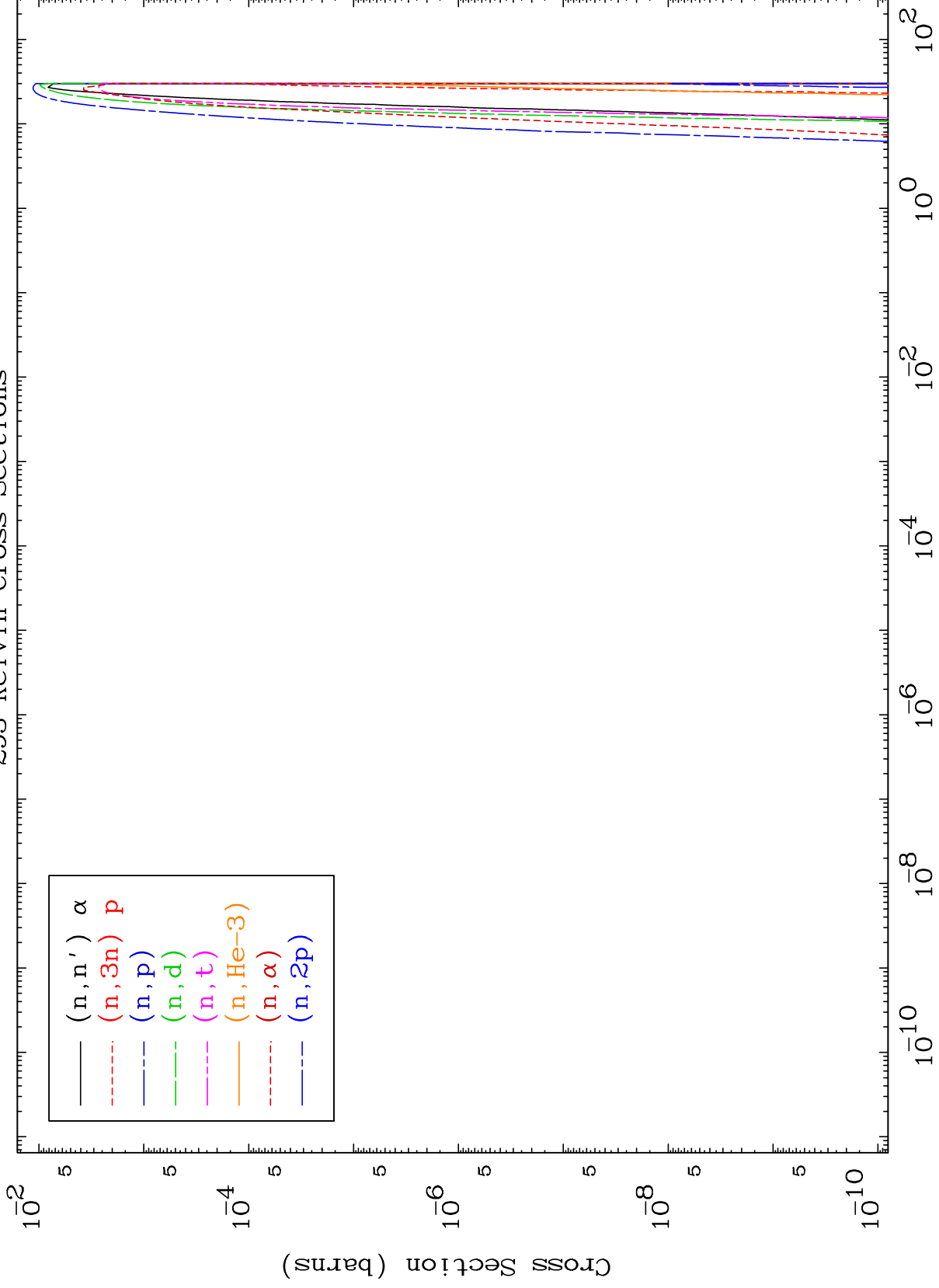
Incident Energy (MeV)

77-Ir-197m

MAT 7744

Charged Particle
293 Kelvin Cross Sections

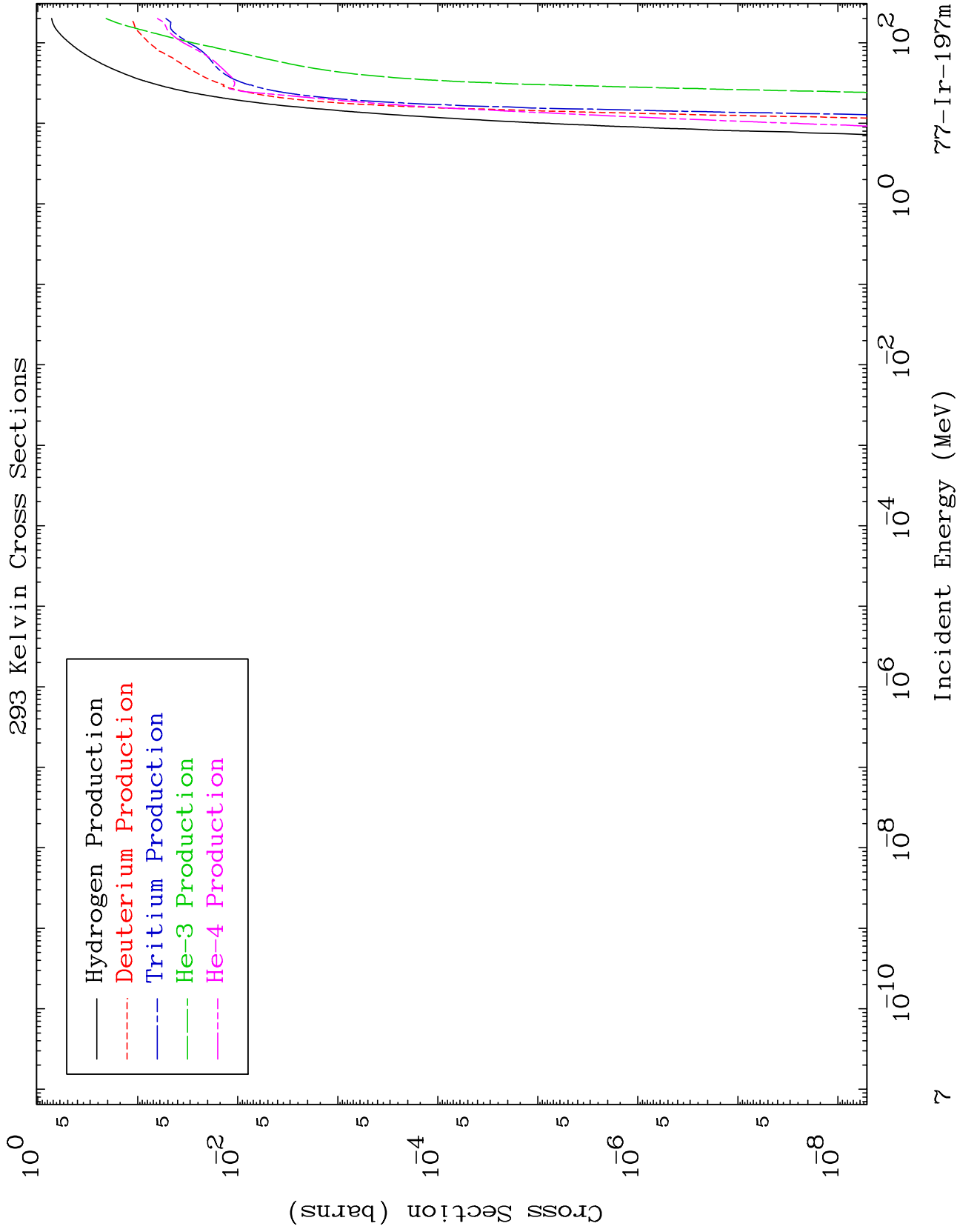
77-Ir-197m



MAT 7744

Particle Production
293 Kelvin Cross Sections

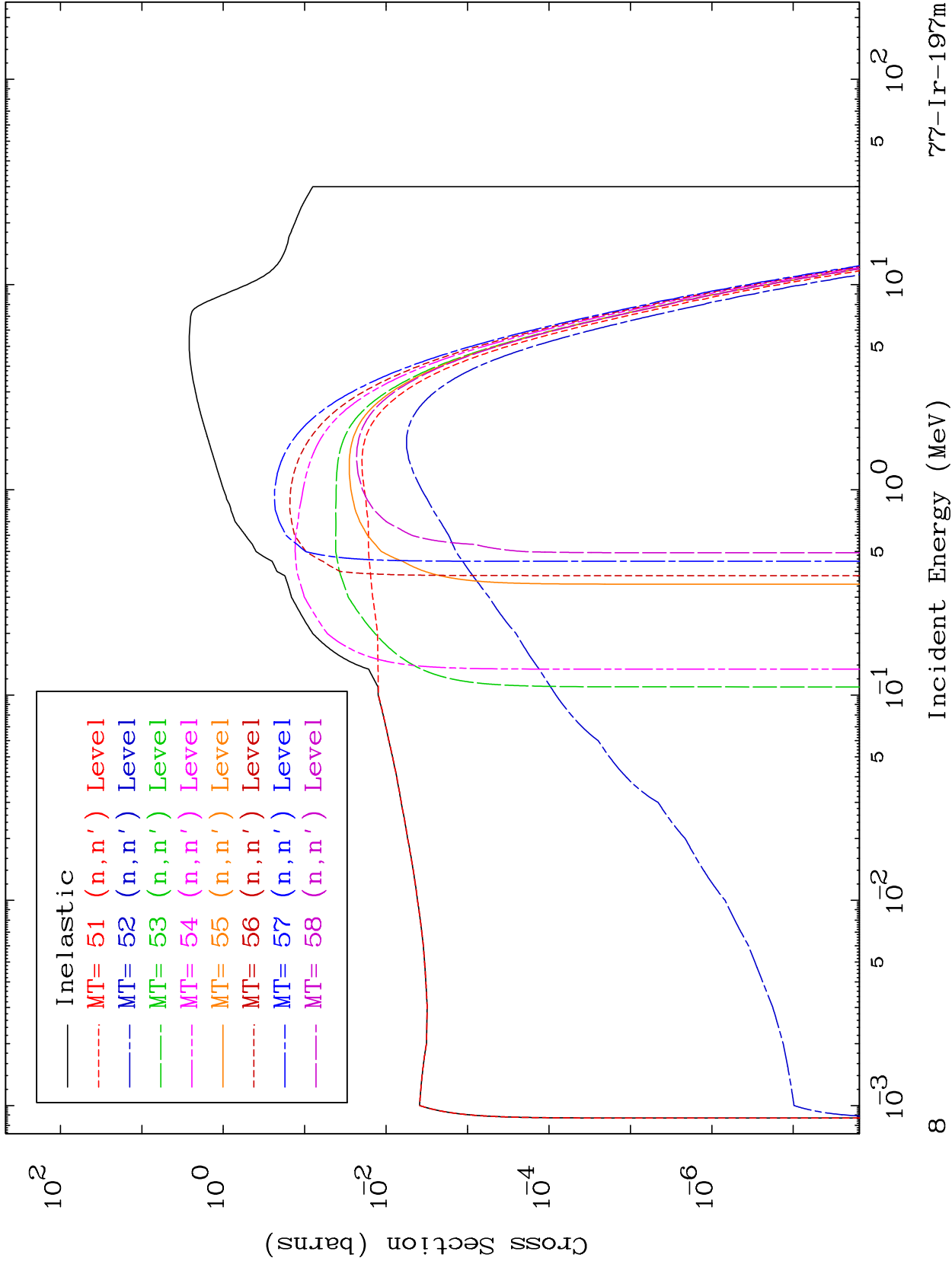
77-Ir-197m



MAT 7744

(n,n') Levels
293 Kelvin Cross Sections

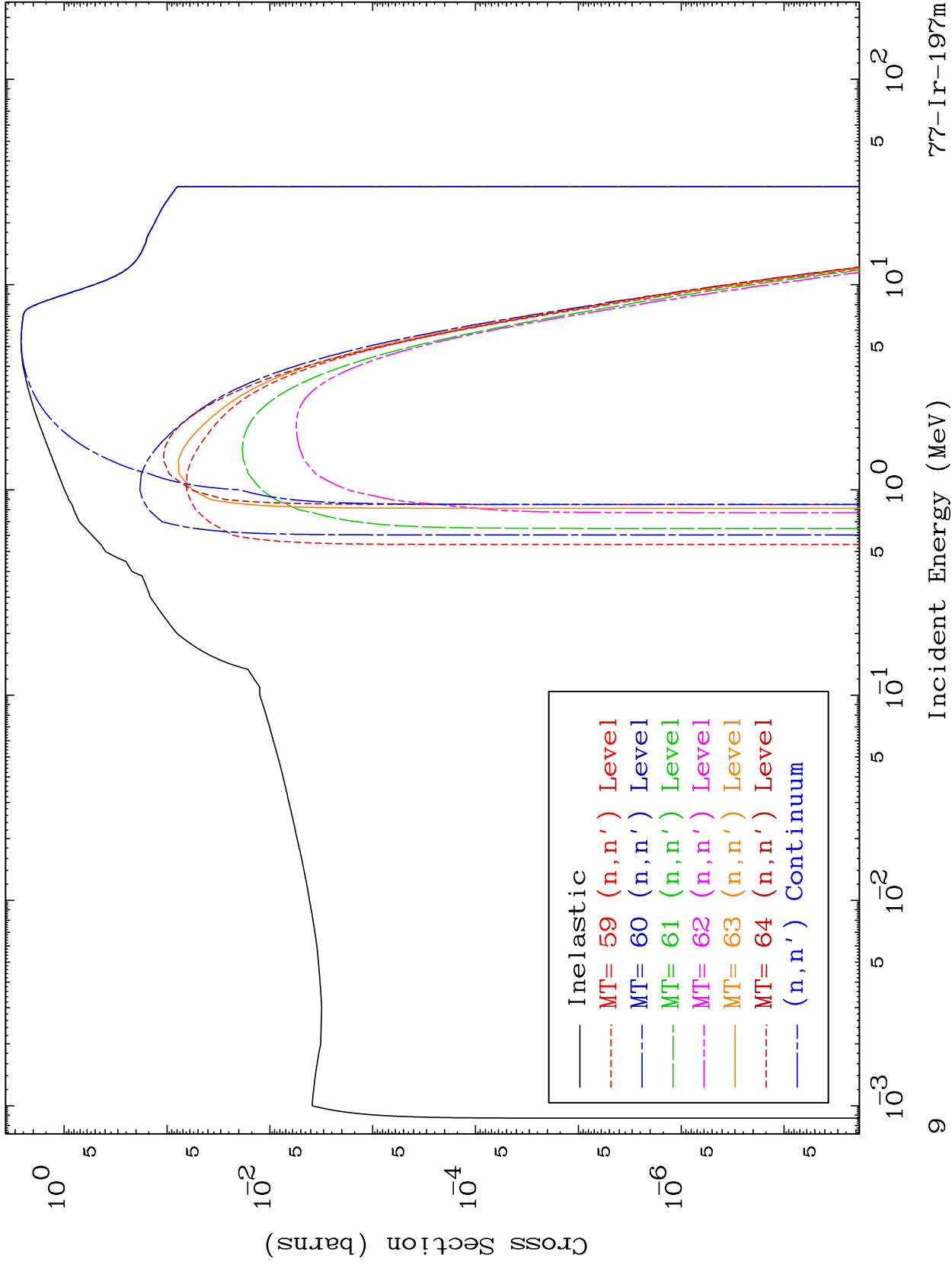
77-Ir-197m



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293 Kelvin Cross Sections
(n,n') Levels

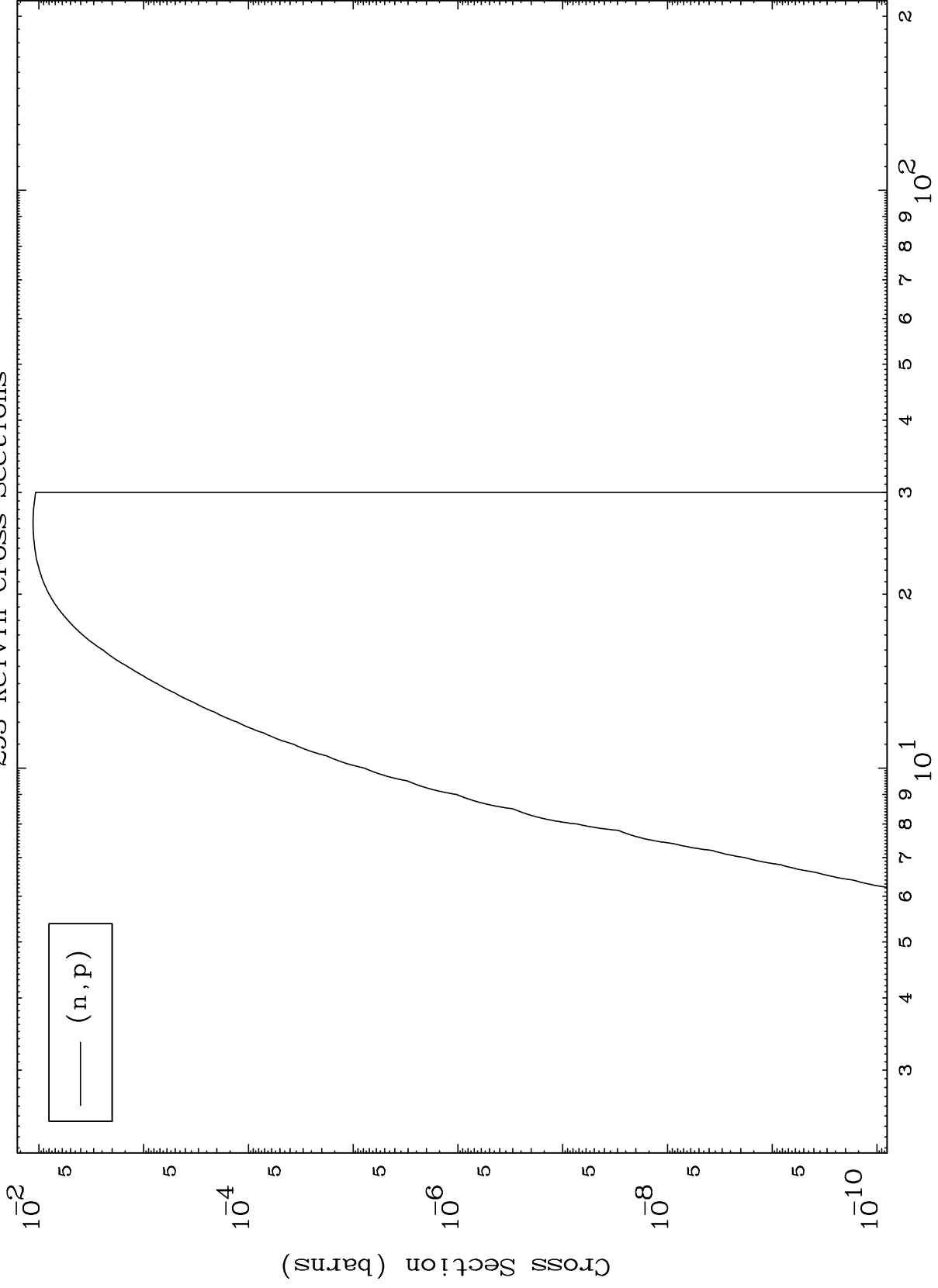
77-Ir-197m



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(n,p) Levels
293 Kelvin Cross Sections

77-Ir-197m



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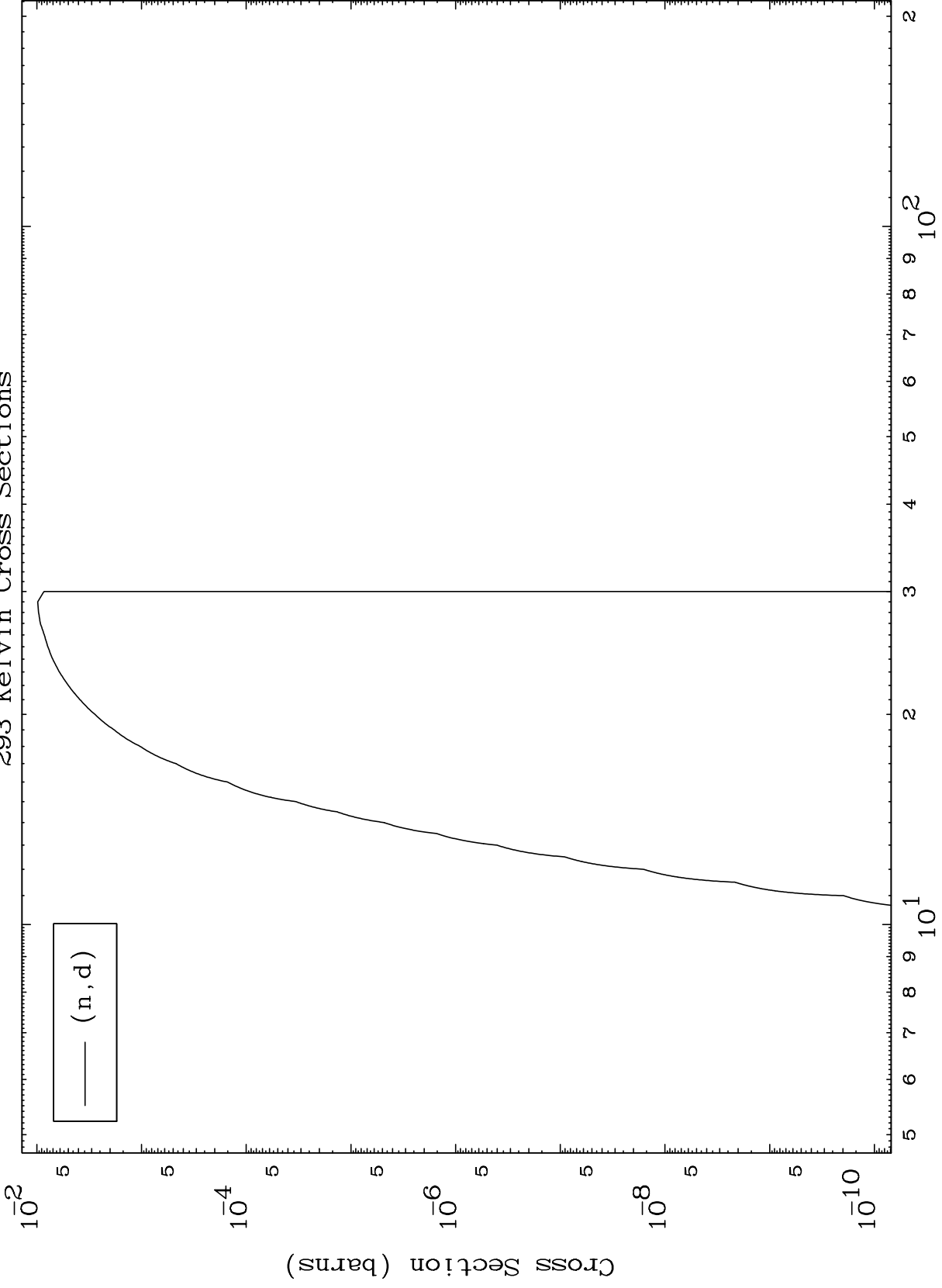
Incident Energy (MeV)

77-Ir-197m

MAT 7744

(n,d) Levels
293 Kelvin Cross Sections

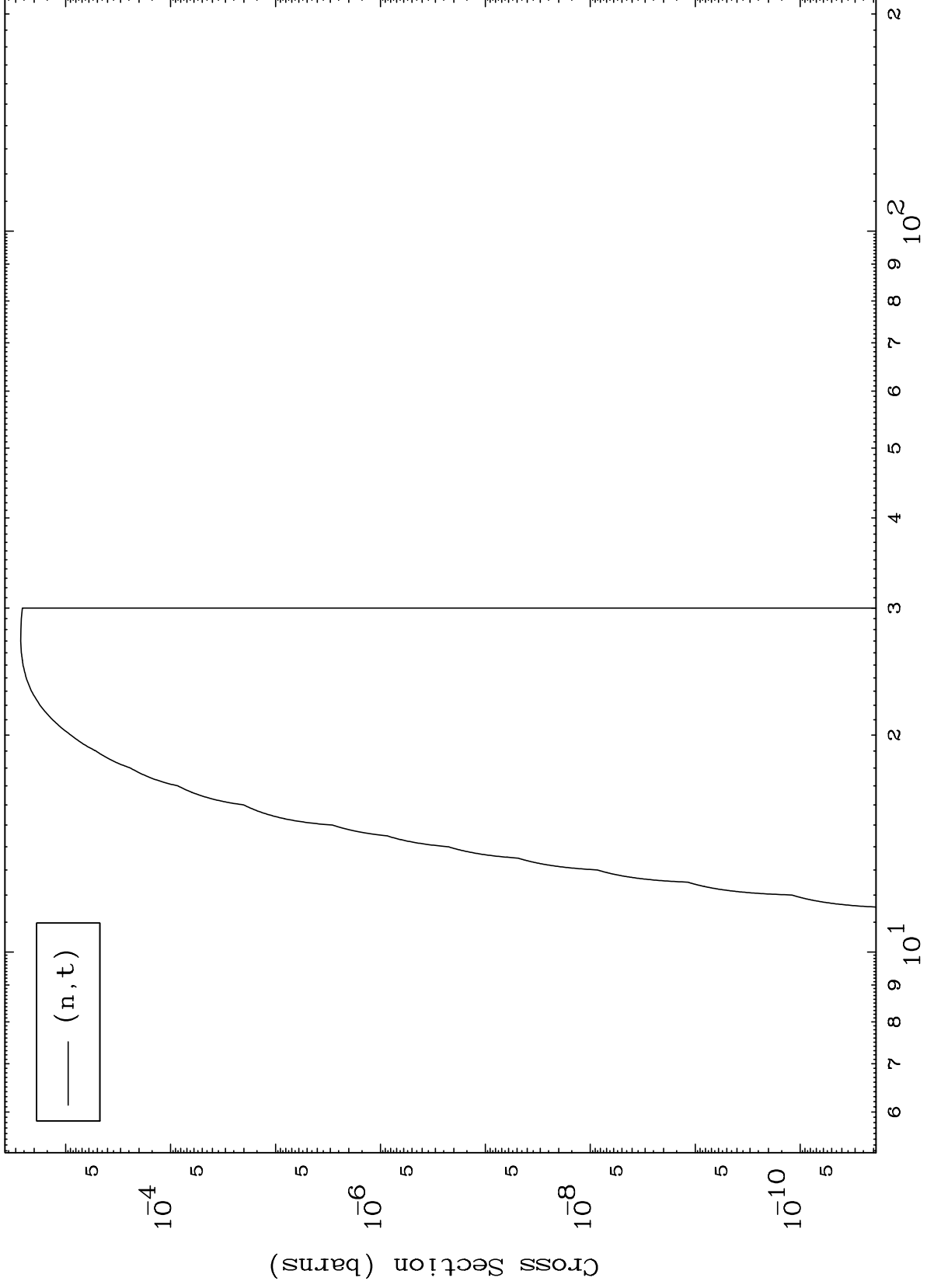
77-Ir-197m



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(n,t) Levels
293 Kelvin Cross Sections

77-Ir-197m



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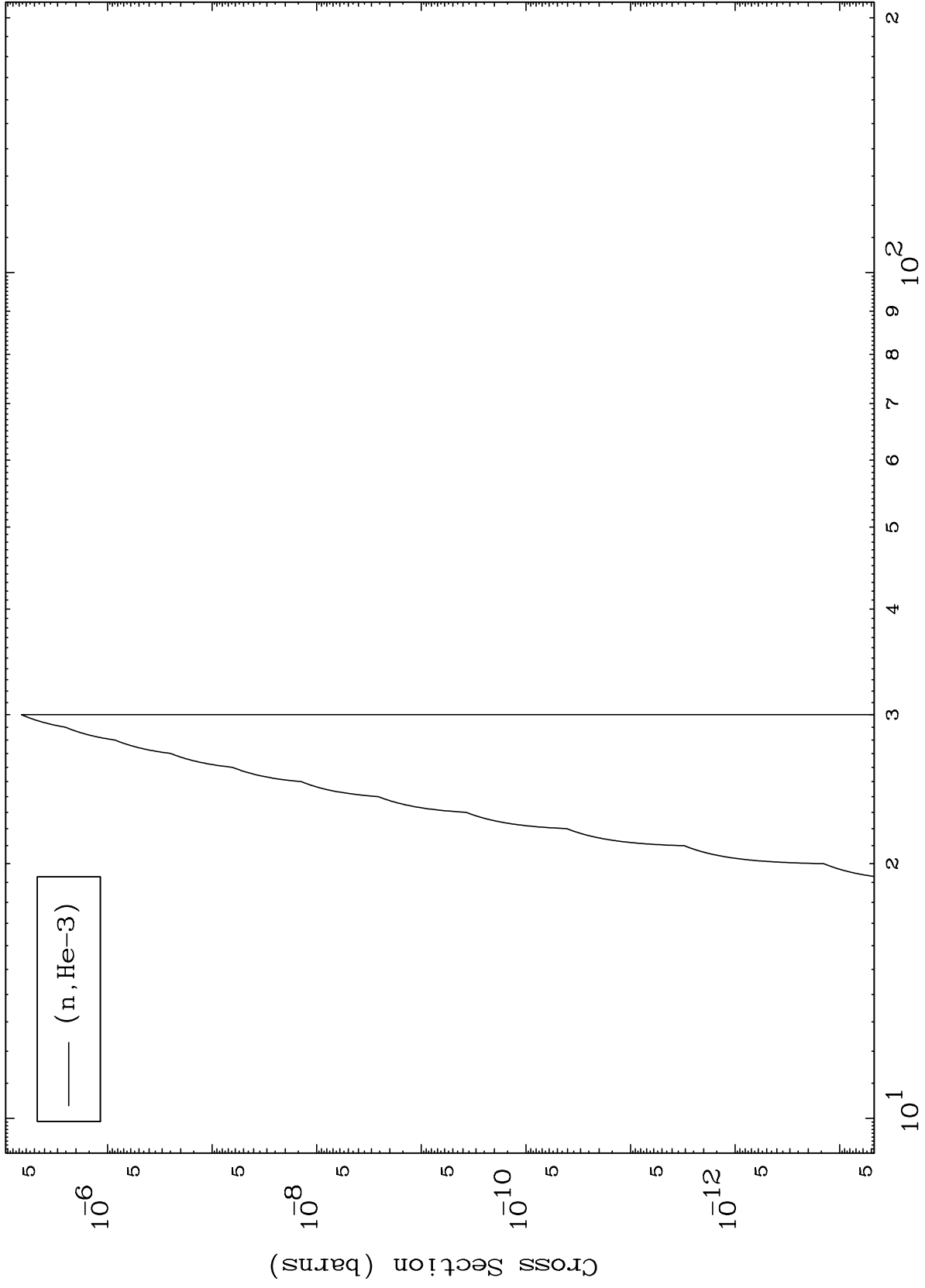
Incident Energy (MeV)

77-Ir-197m

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(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-197m



13

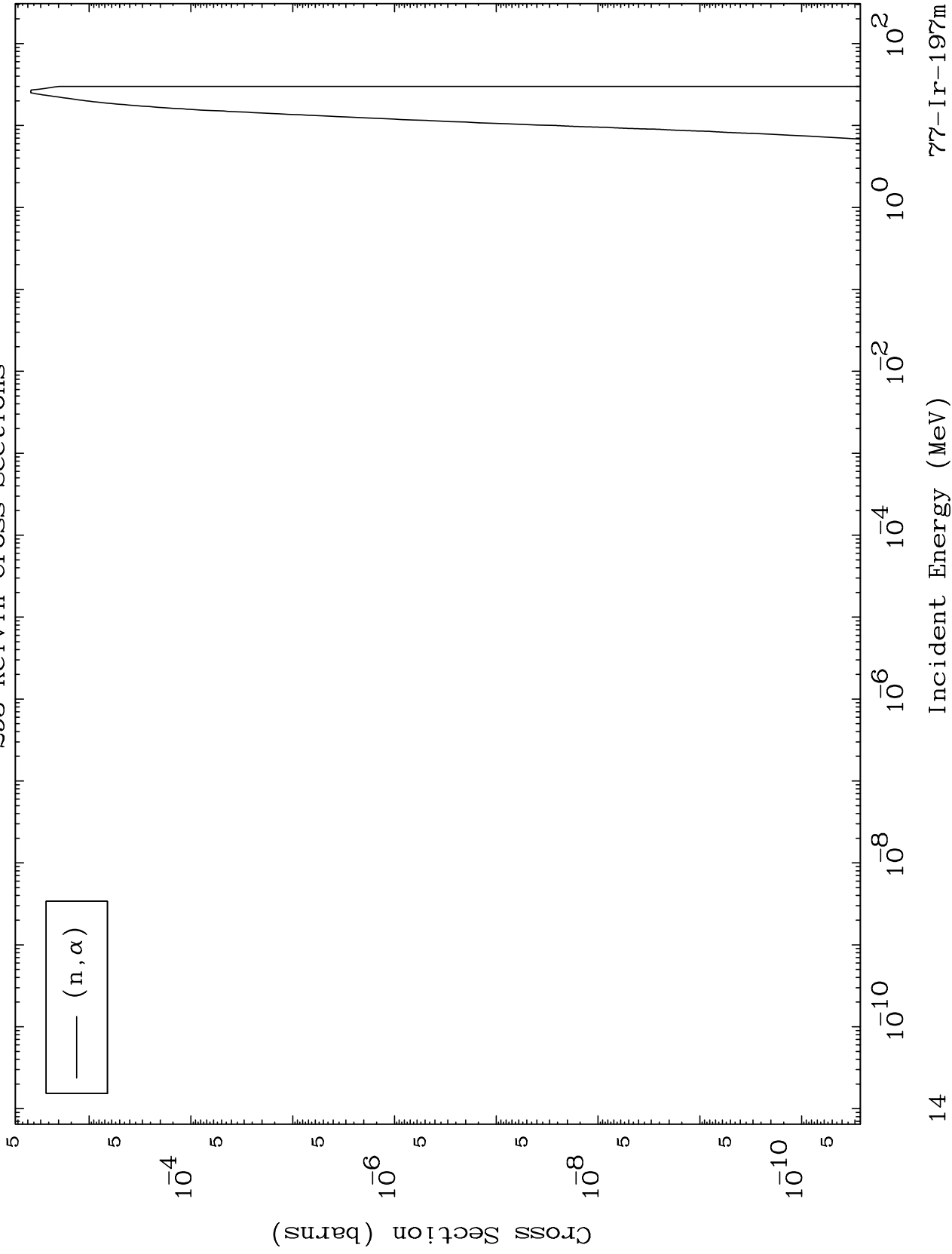
Incident Energy (MeV)

77-Ir-197m

MAT 7744

(n, α) Levels
293 Kelvin Cross Sections

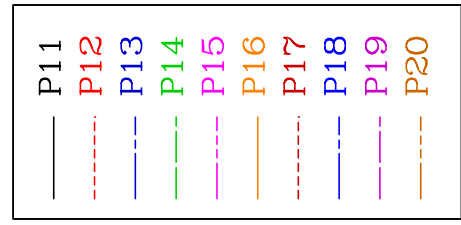
77-Ir-197m



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Elastic Legendre Coefficients

77-Ir-197m



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

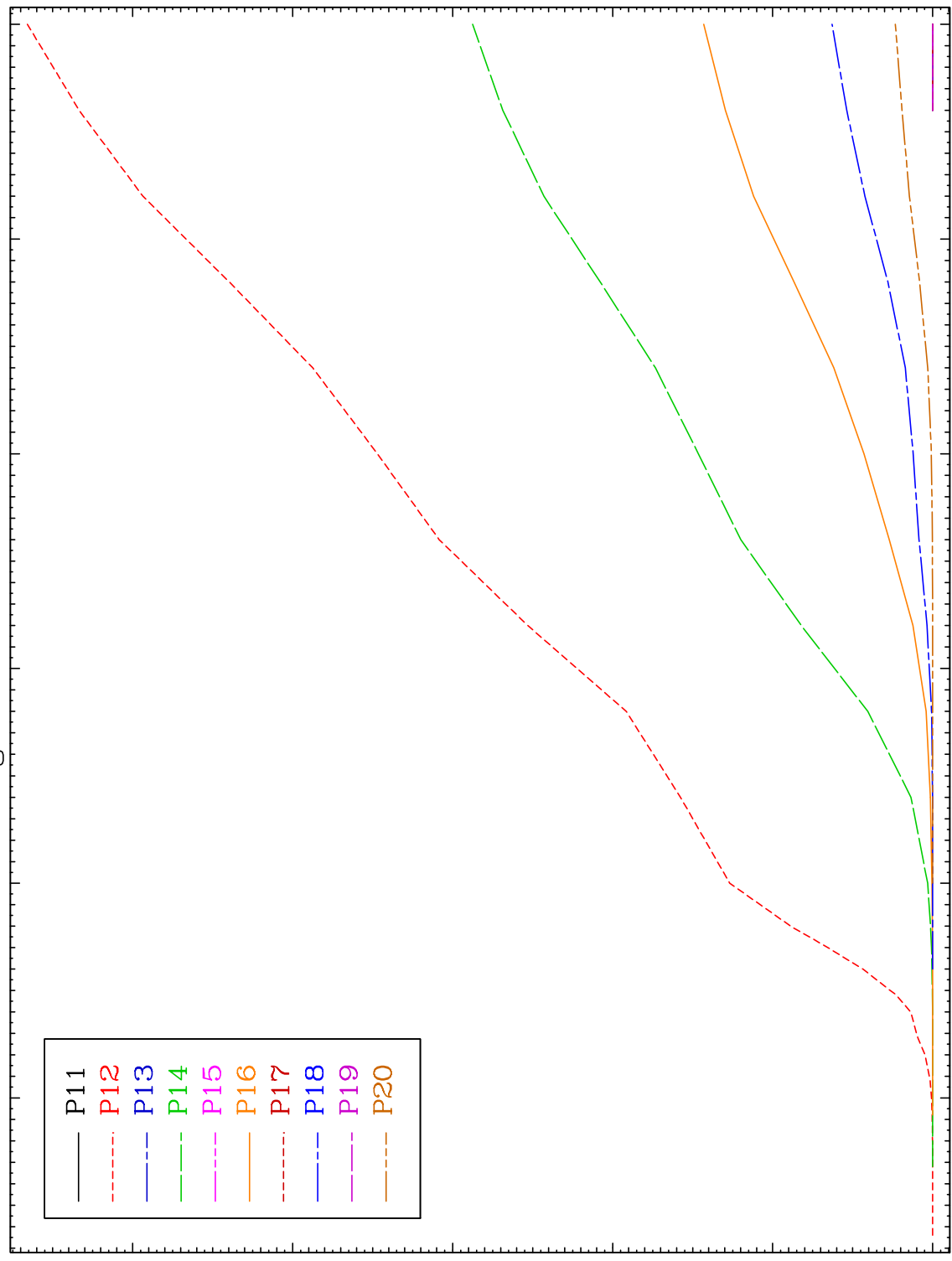
Legendre (CM)

5 10 15 20 25 30

Incident Energy (MeV)

77-Ir-197m

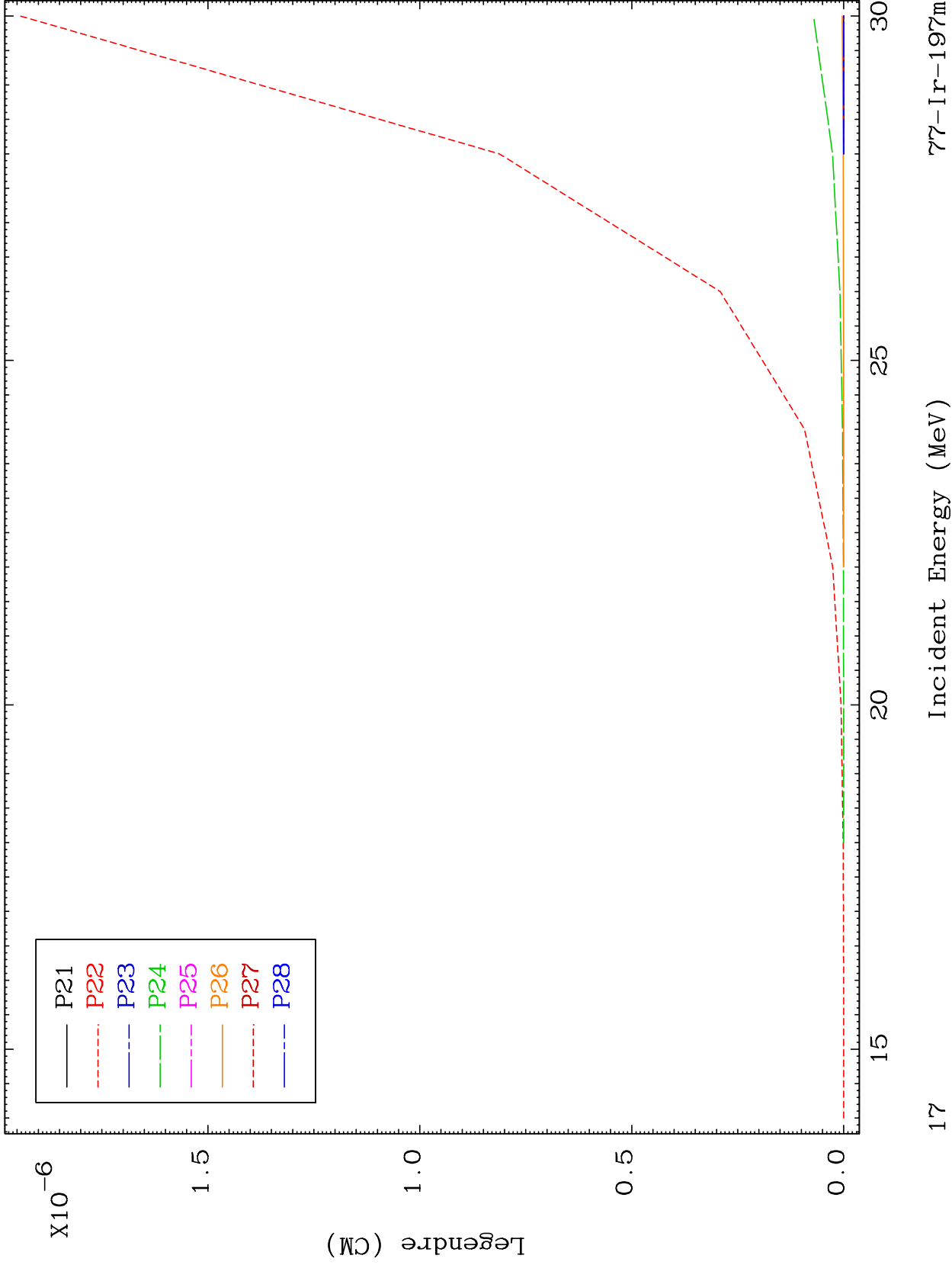
16



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Elastic
Legendre Coefficients

77-Ir-197m



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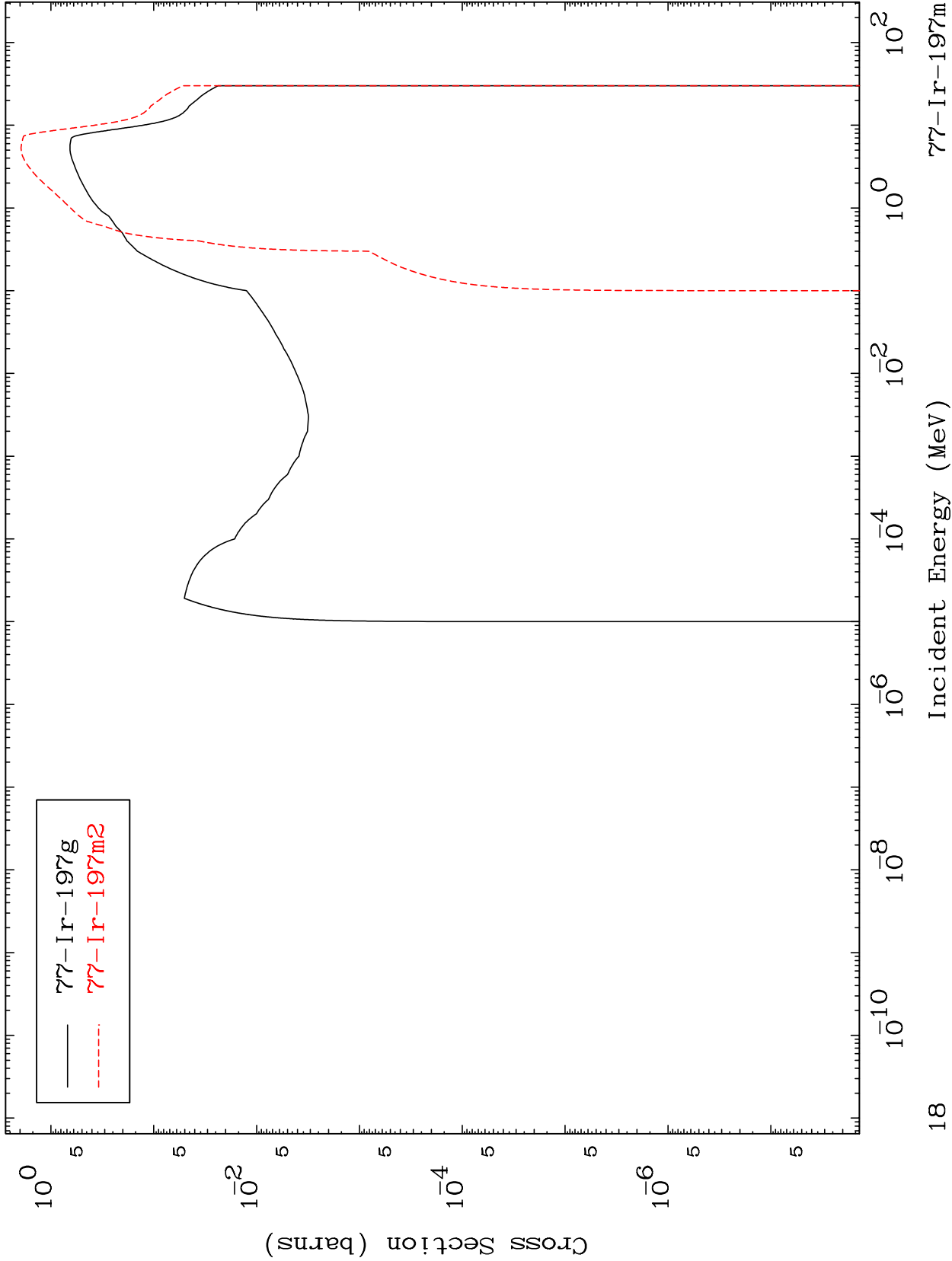
Incident Energy (MeV)

77-Ir-197m

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Inelastic
Radionuclide Production Cross Section

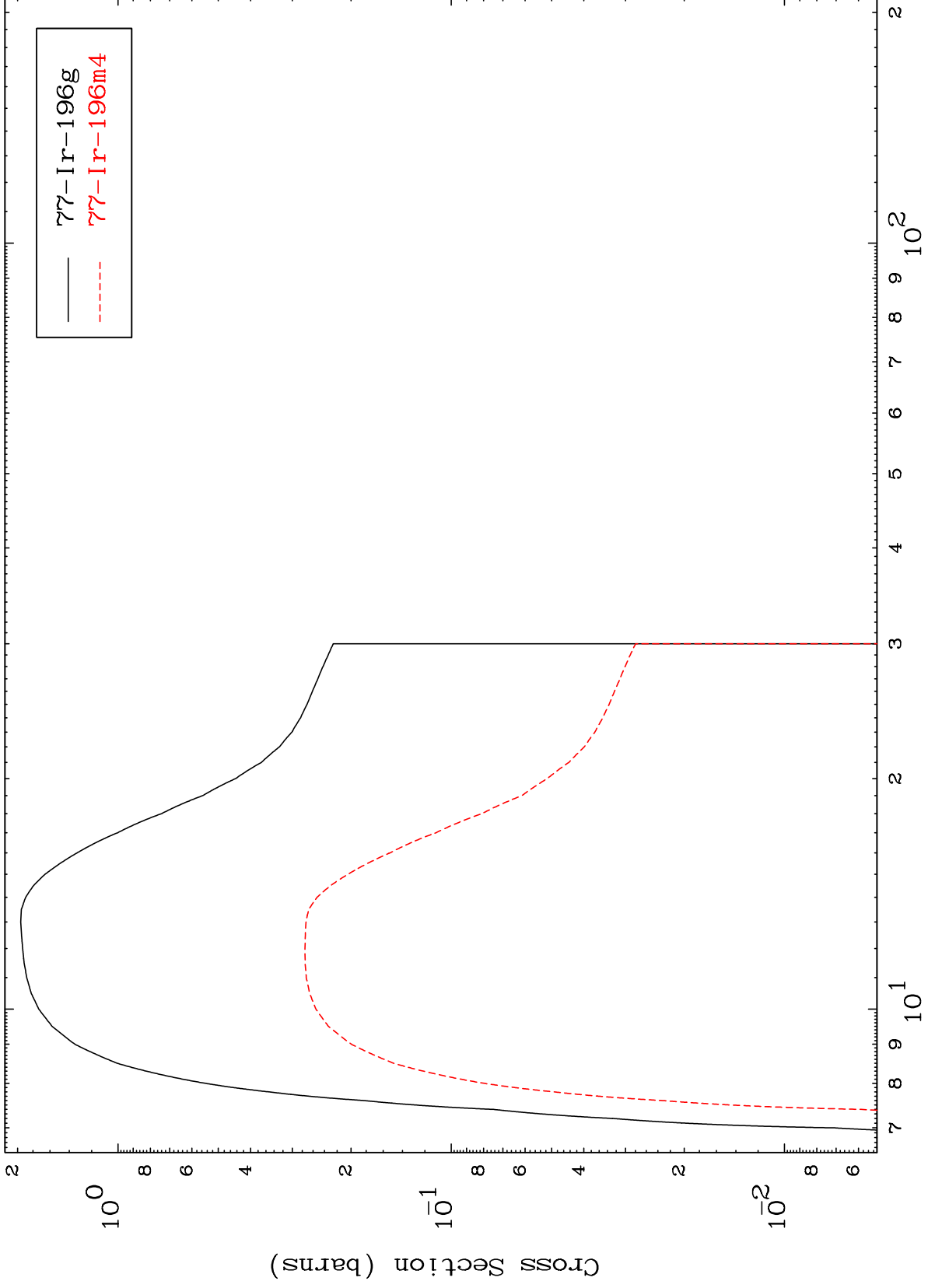
⁷⁷Ir-197m



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⁷⁷Ir-197m

(n,2n)
Radionuclide Production Cross Section



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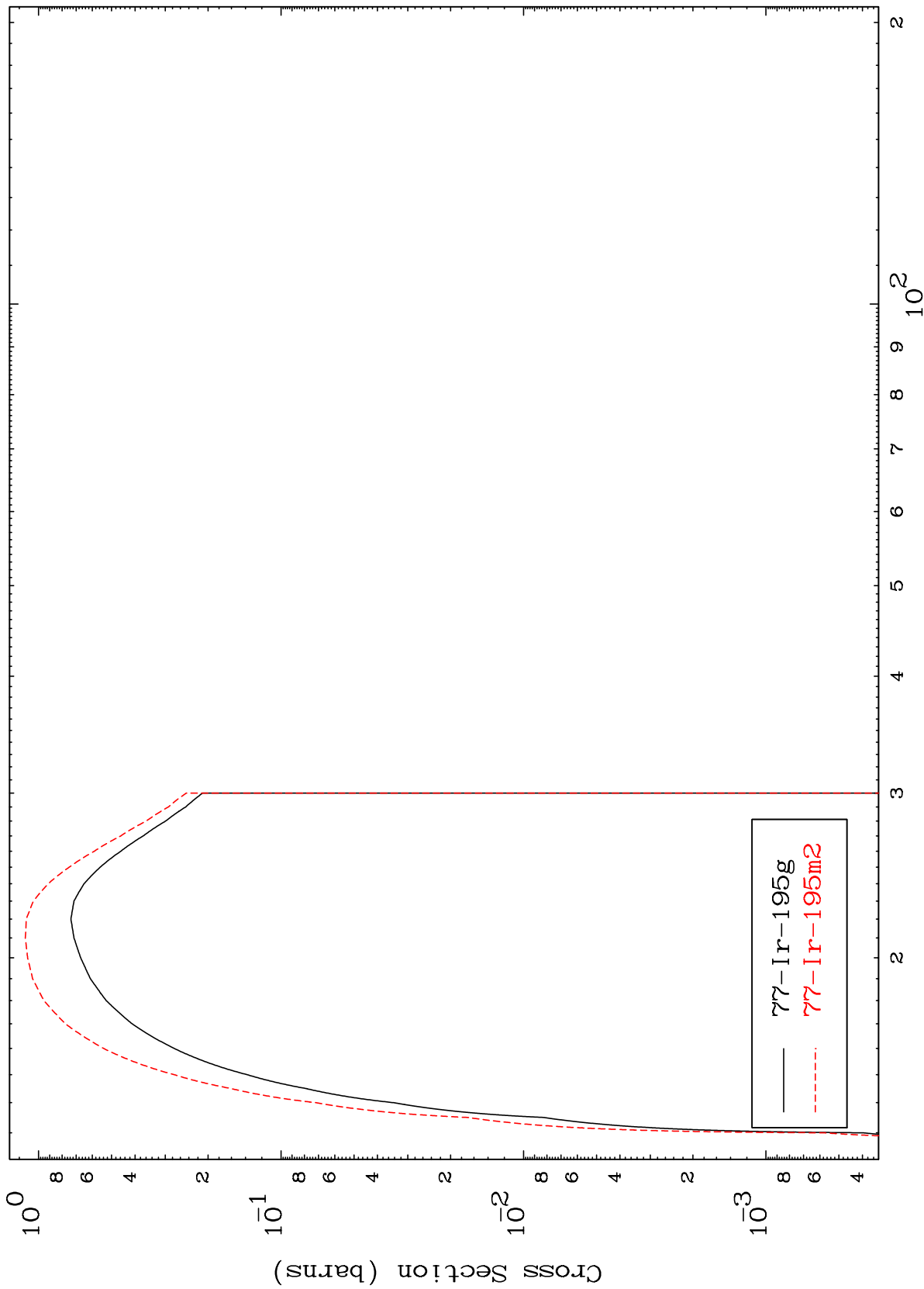
Incident Energy (MeV)

⁷⁷Ir-197m

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⁷⁷Ir-197m

Radionuclide Production Cross Section



⁷⁷Ir-197m

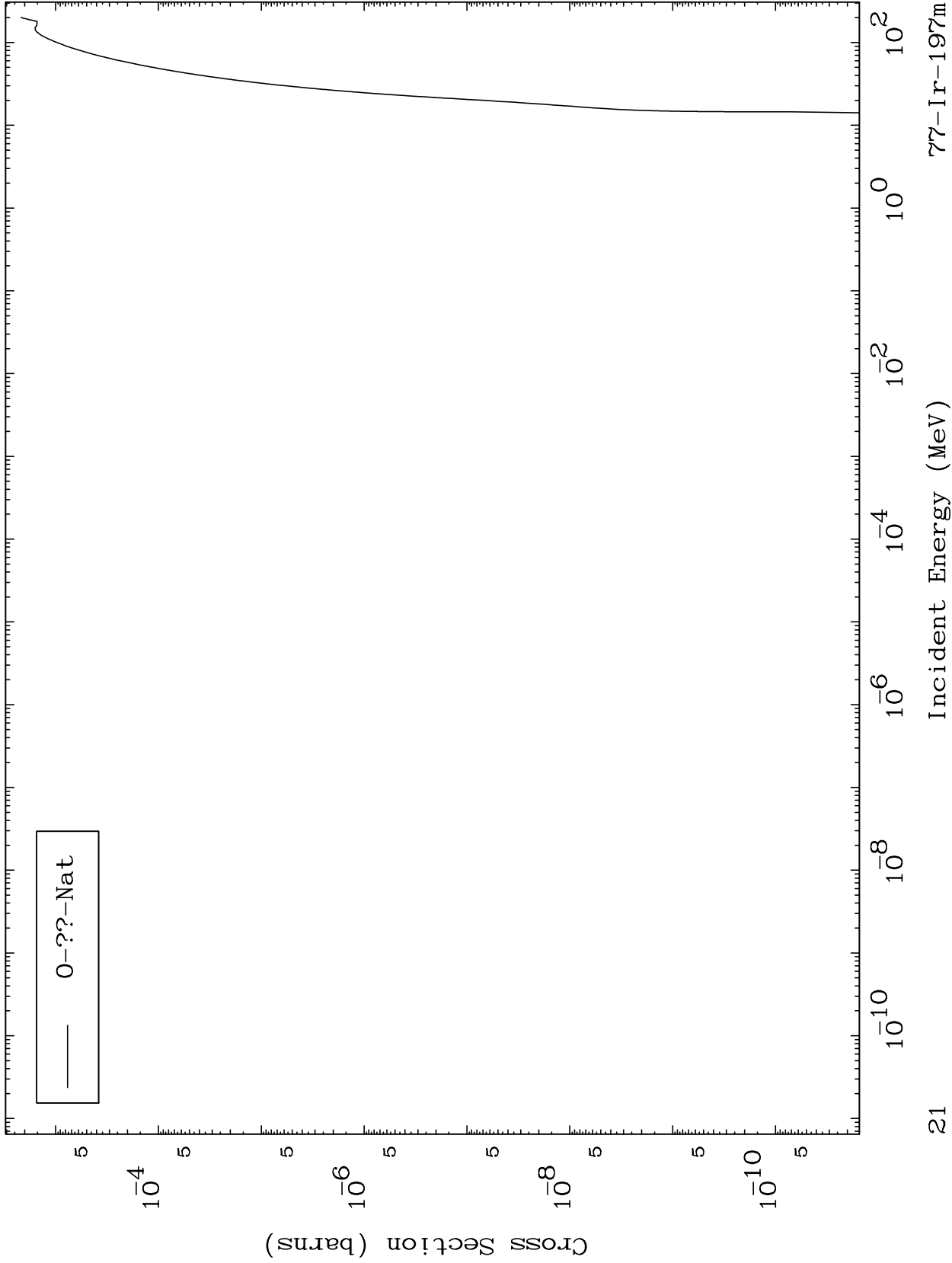
Incident Energy (MeV)

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Fission

77-Ir-197m

Radionuclide Production Cross Section

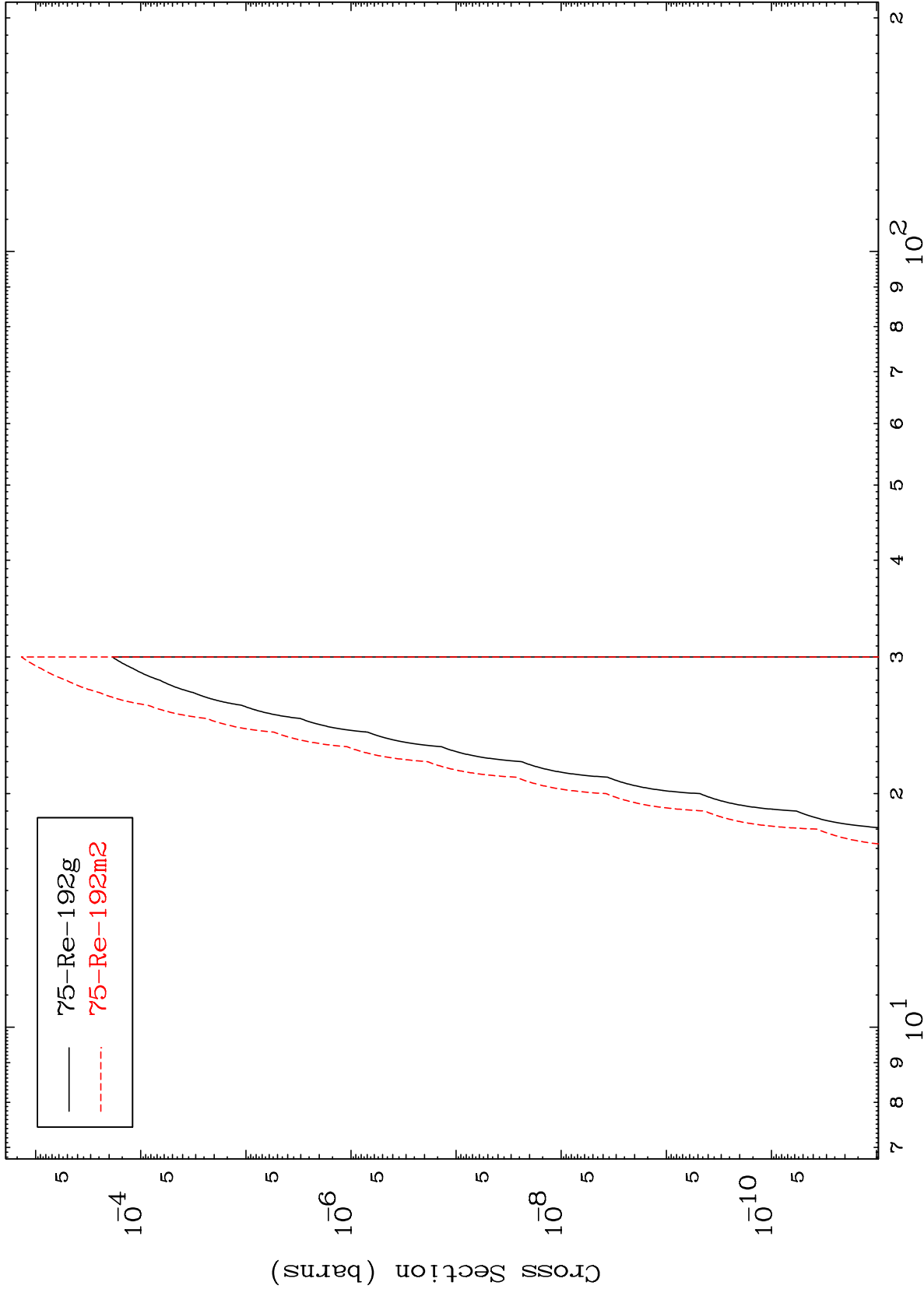


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(n,2n) α

77-Ir-197m

Radionuclide Production Cross Section

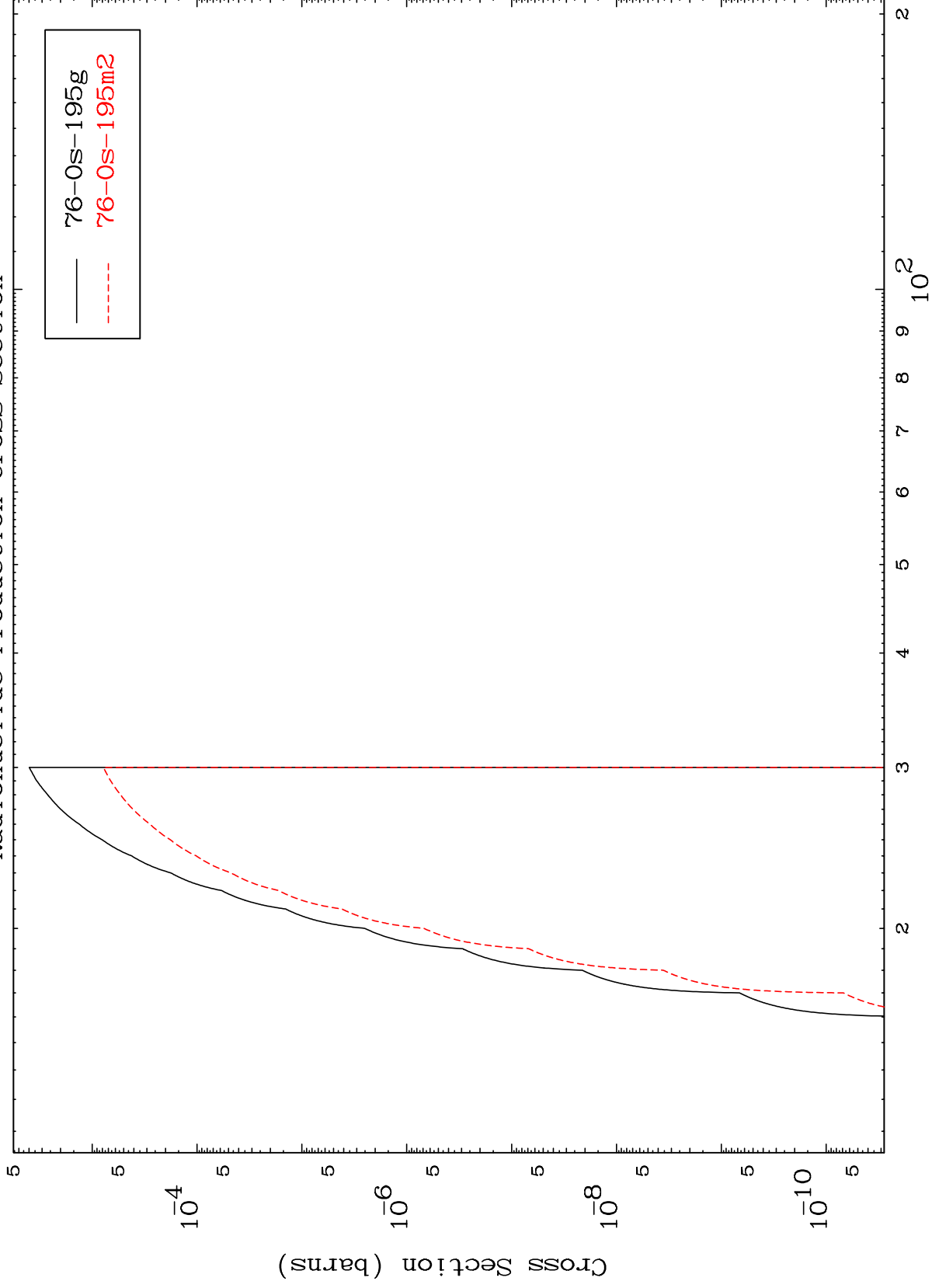


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(n,n') d

77-Ir-197m

Radionuclide Production Cross Section



Incident Energy (MeV)

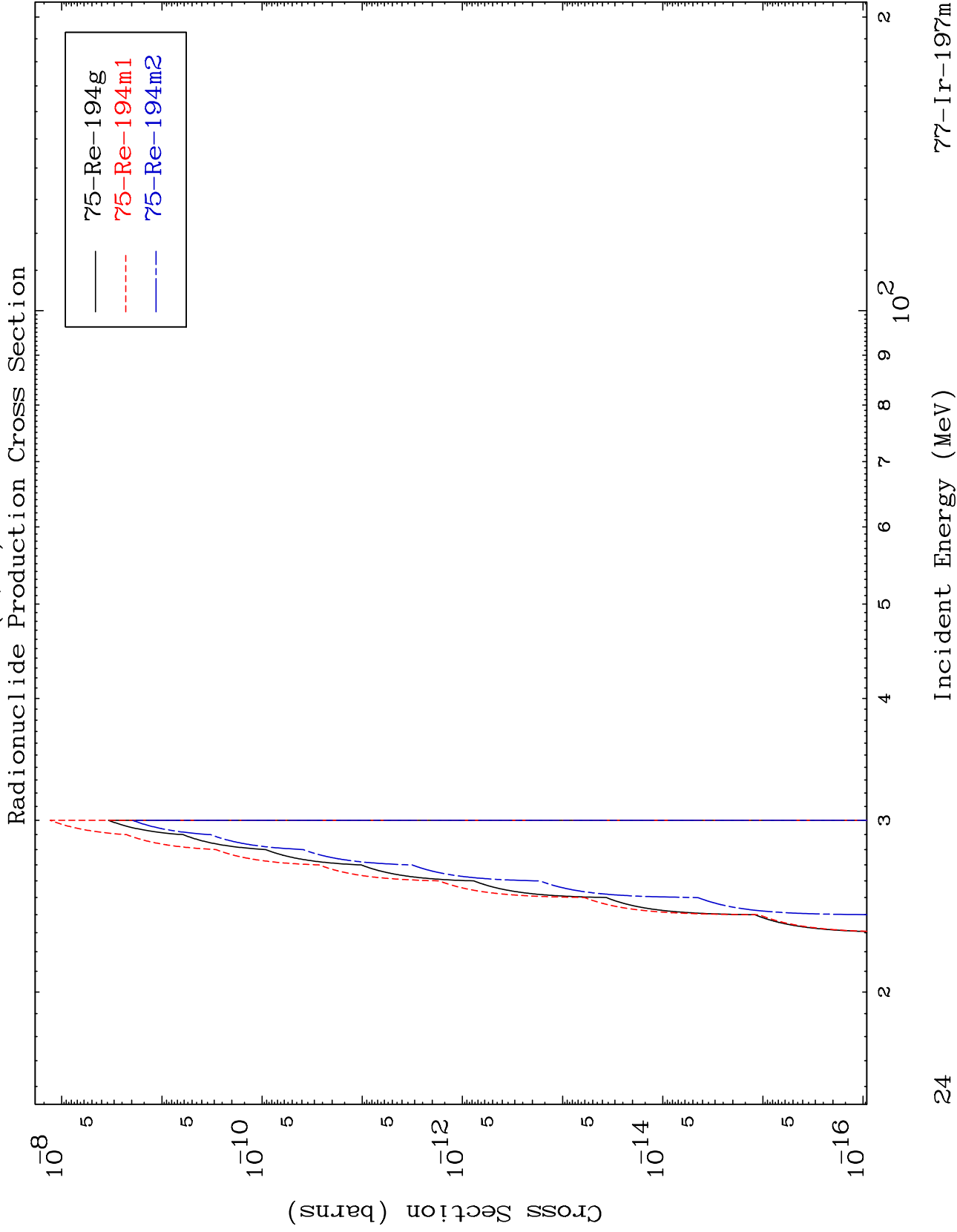
77-Ir-197m

23

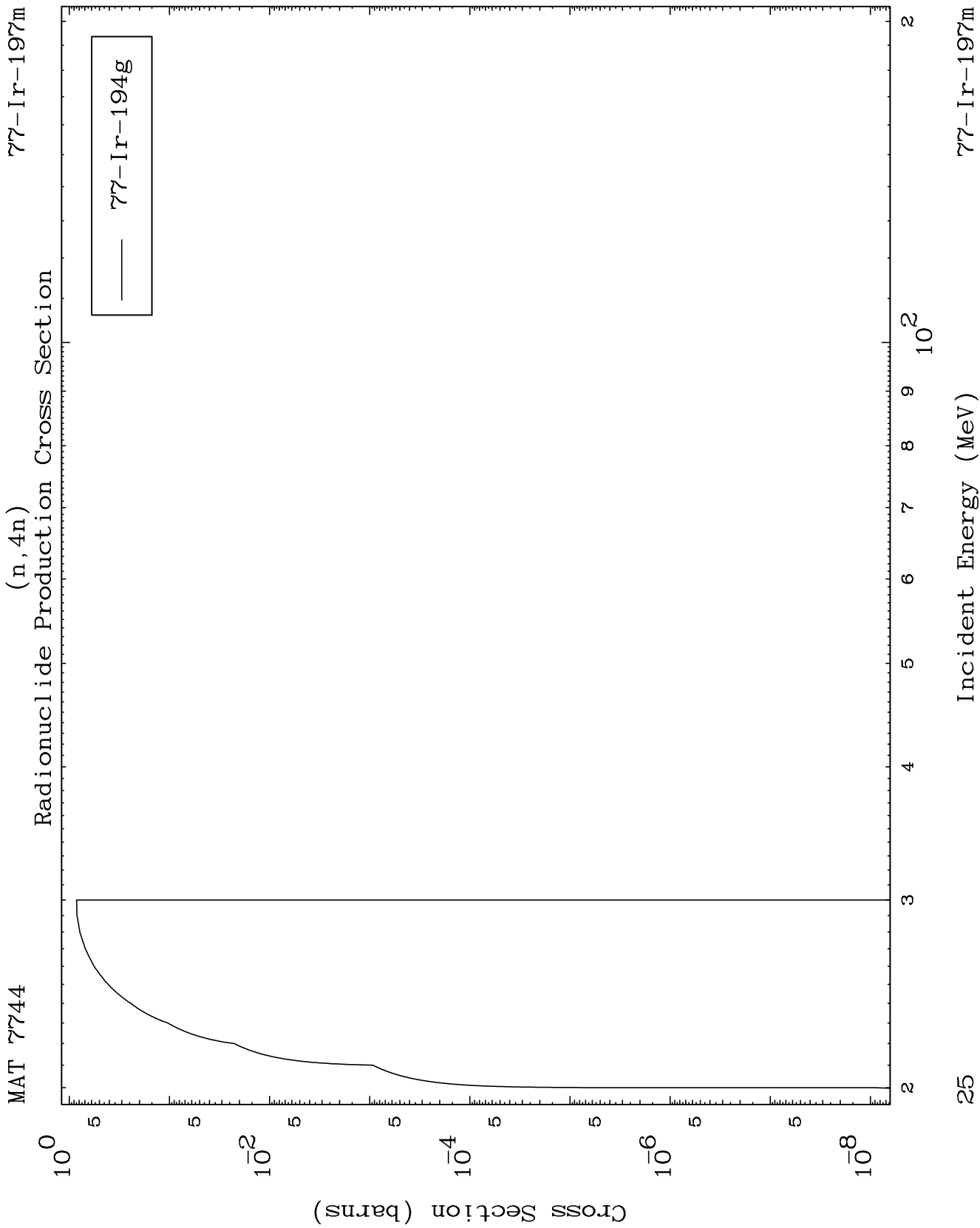
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(n,n') He-3

77-Ir-197m



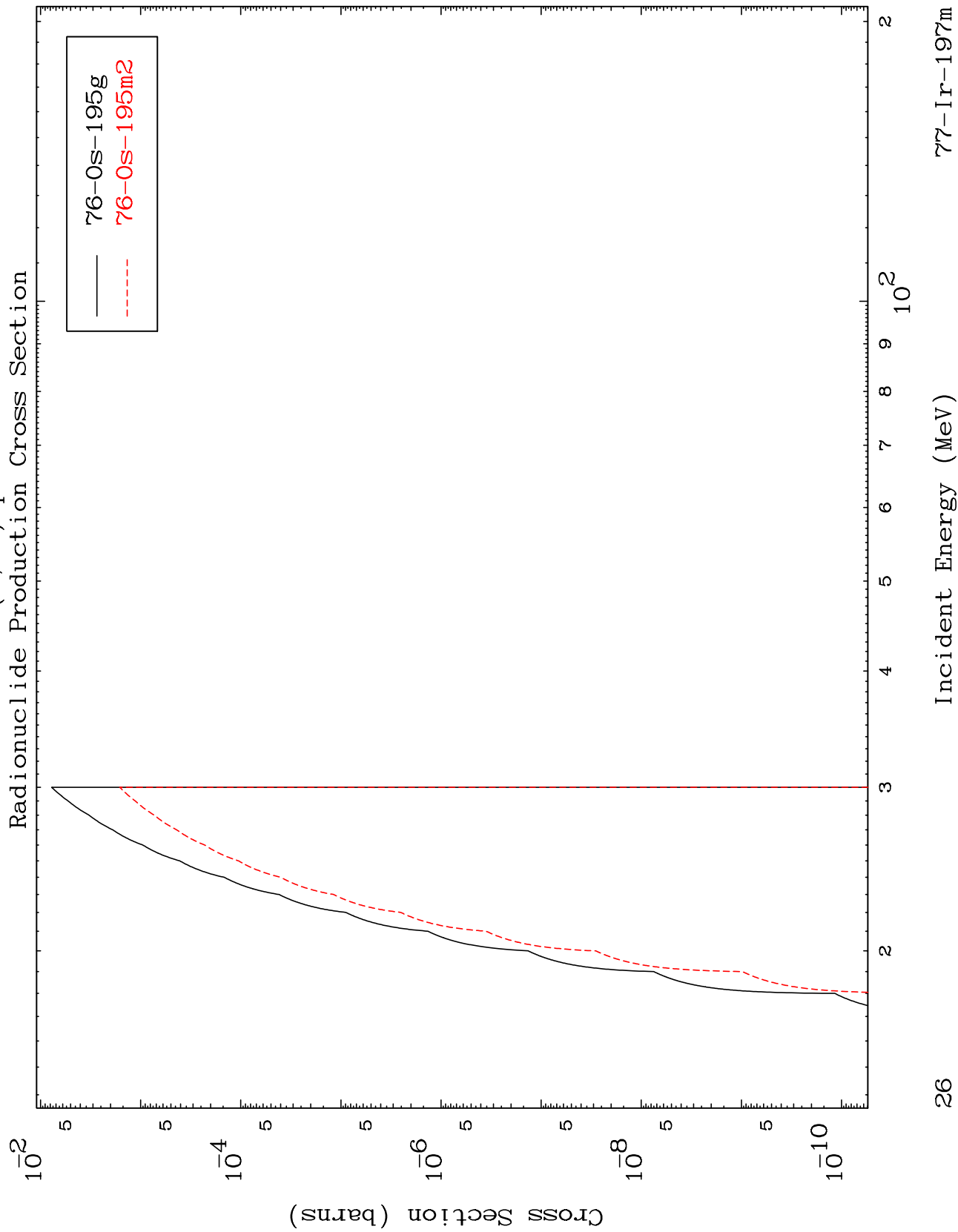
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(n,2n) p

77-Ir-197m



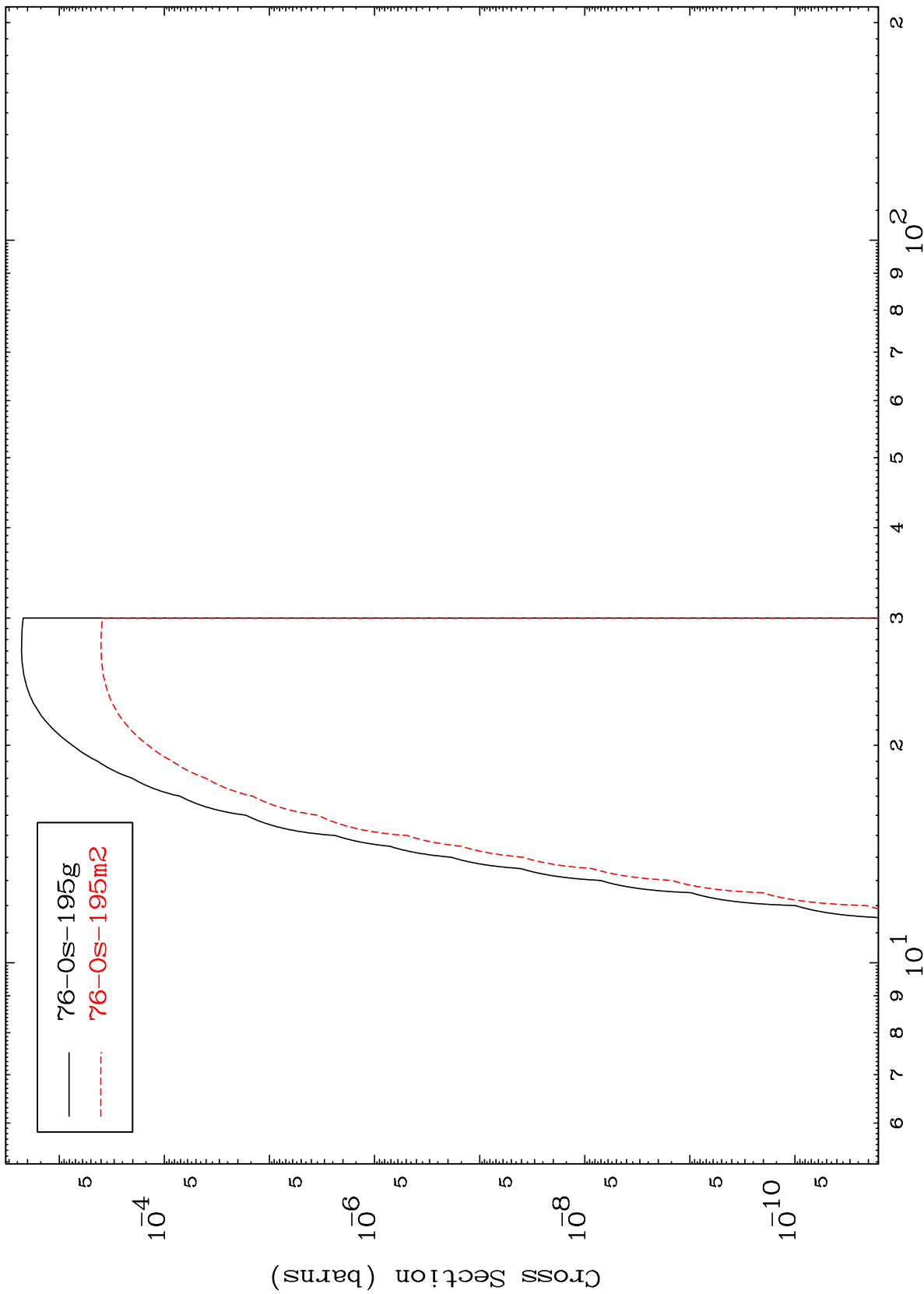
26

77-Ir-197m

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77-Ir-197m

Radionuclide Production Cross Section (n, t)



27

Incident Energy (MeV)

77-Ir-197m

MAT 7744

(n, α)

⁷⁷Ir-197m

Radionuclide Production Cross Section

