

Program EVALPLOT
(Version 2021-1)

by

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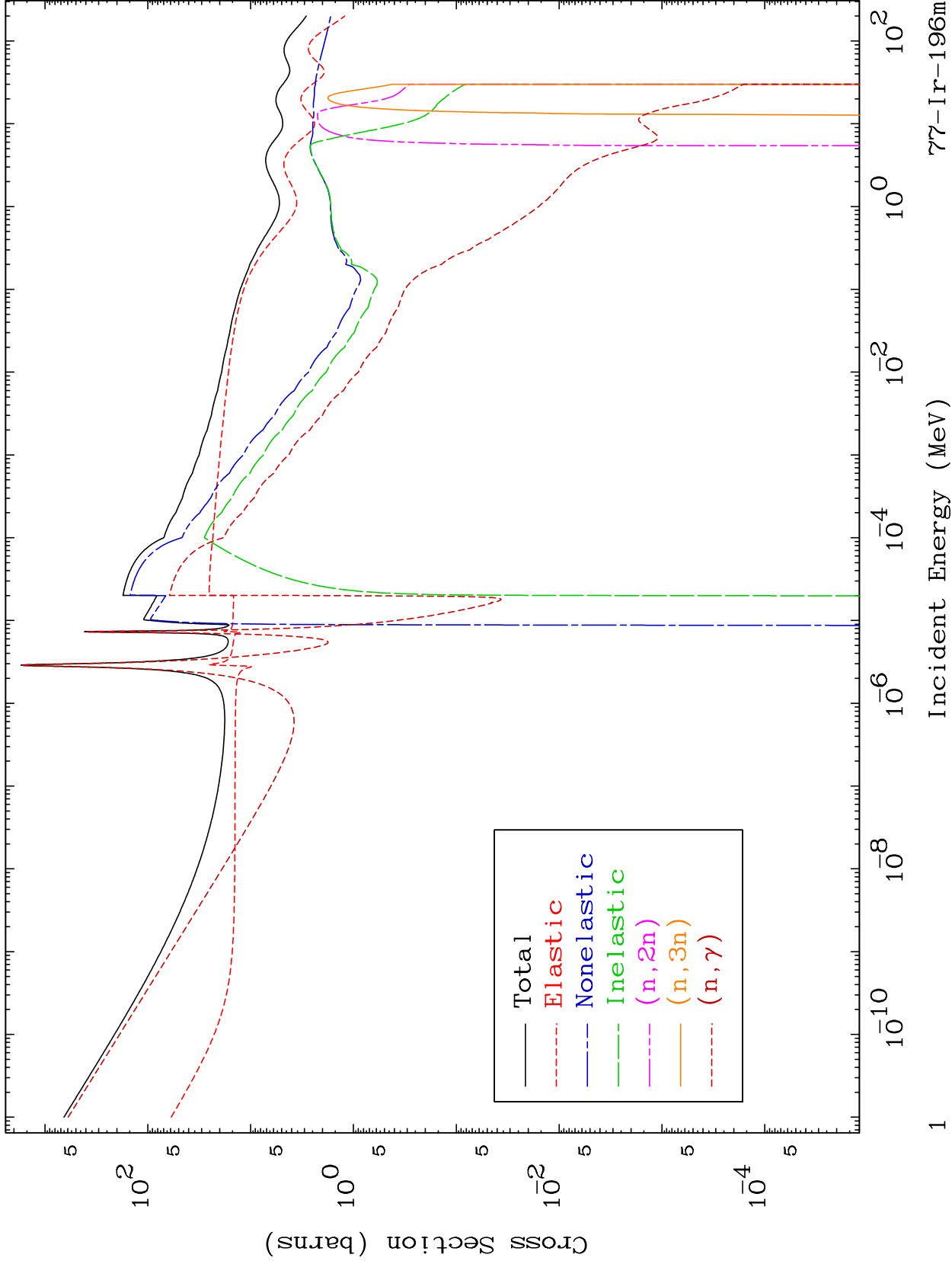
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7741

Neutron Major
293 Kelvin Cross Sections

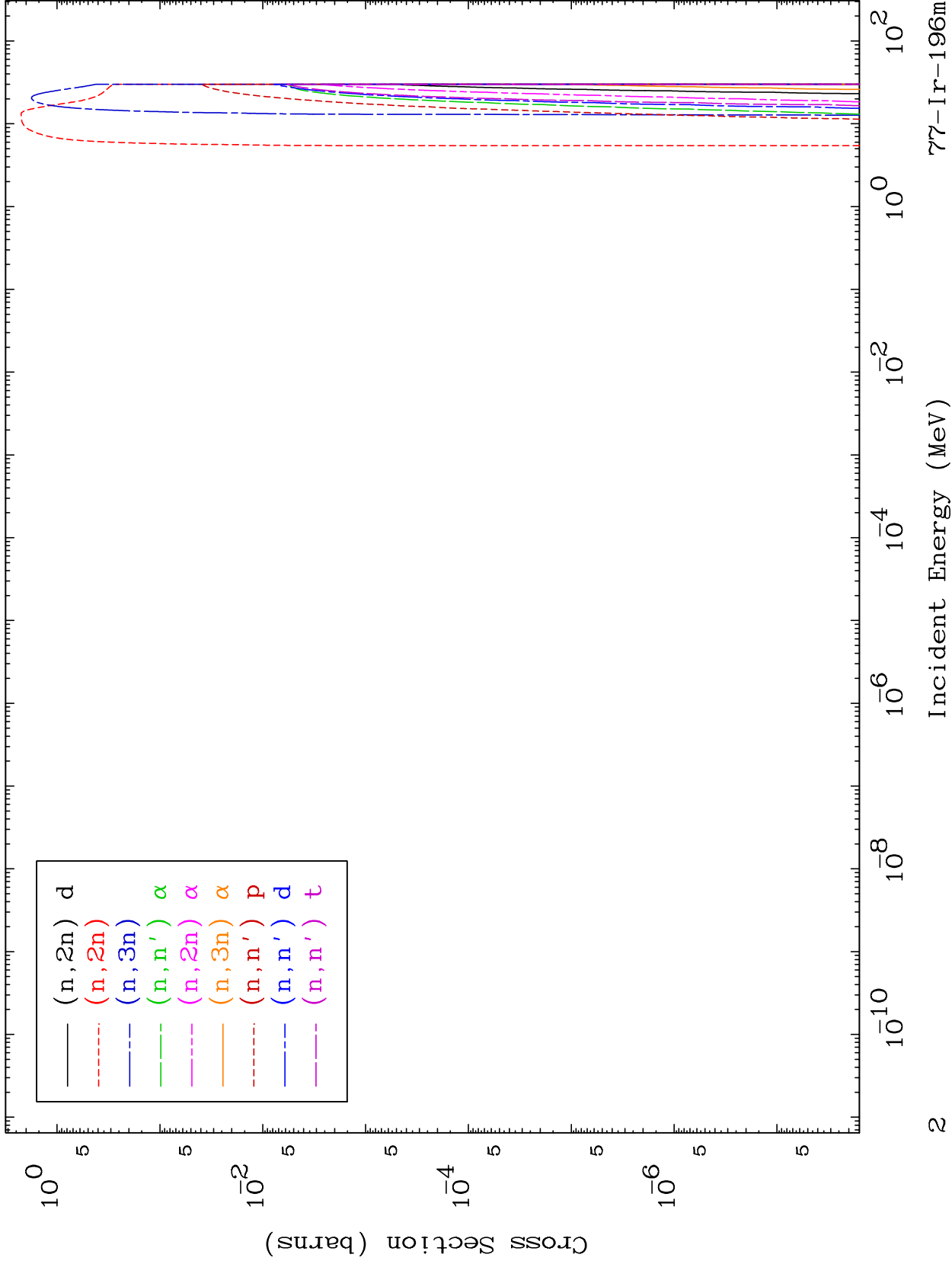
77-Ir-196m



MAT 7741

Neutron Absorption
293 Kelvin Cross Sections

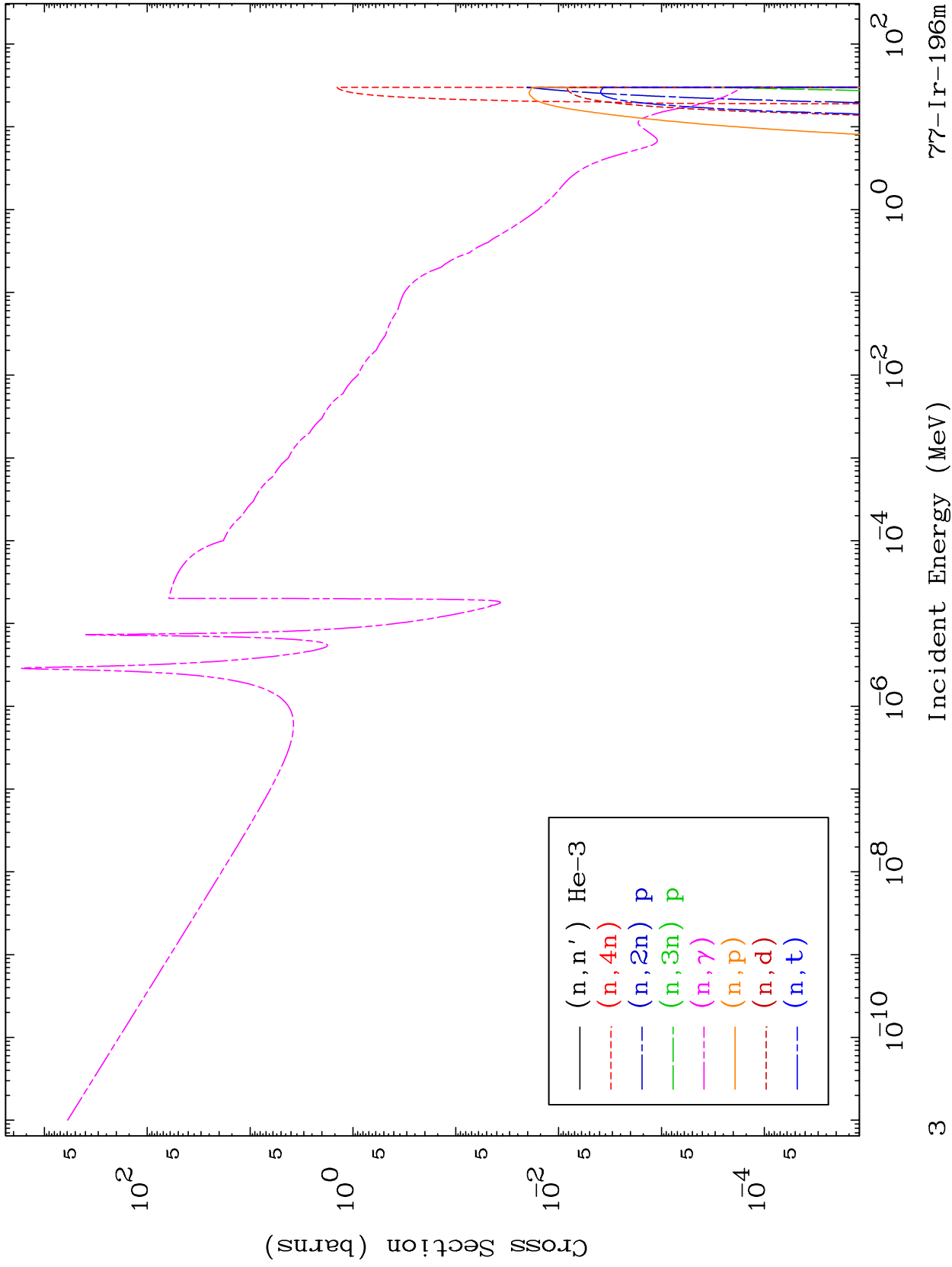
77-Ir-196m

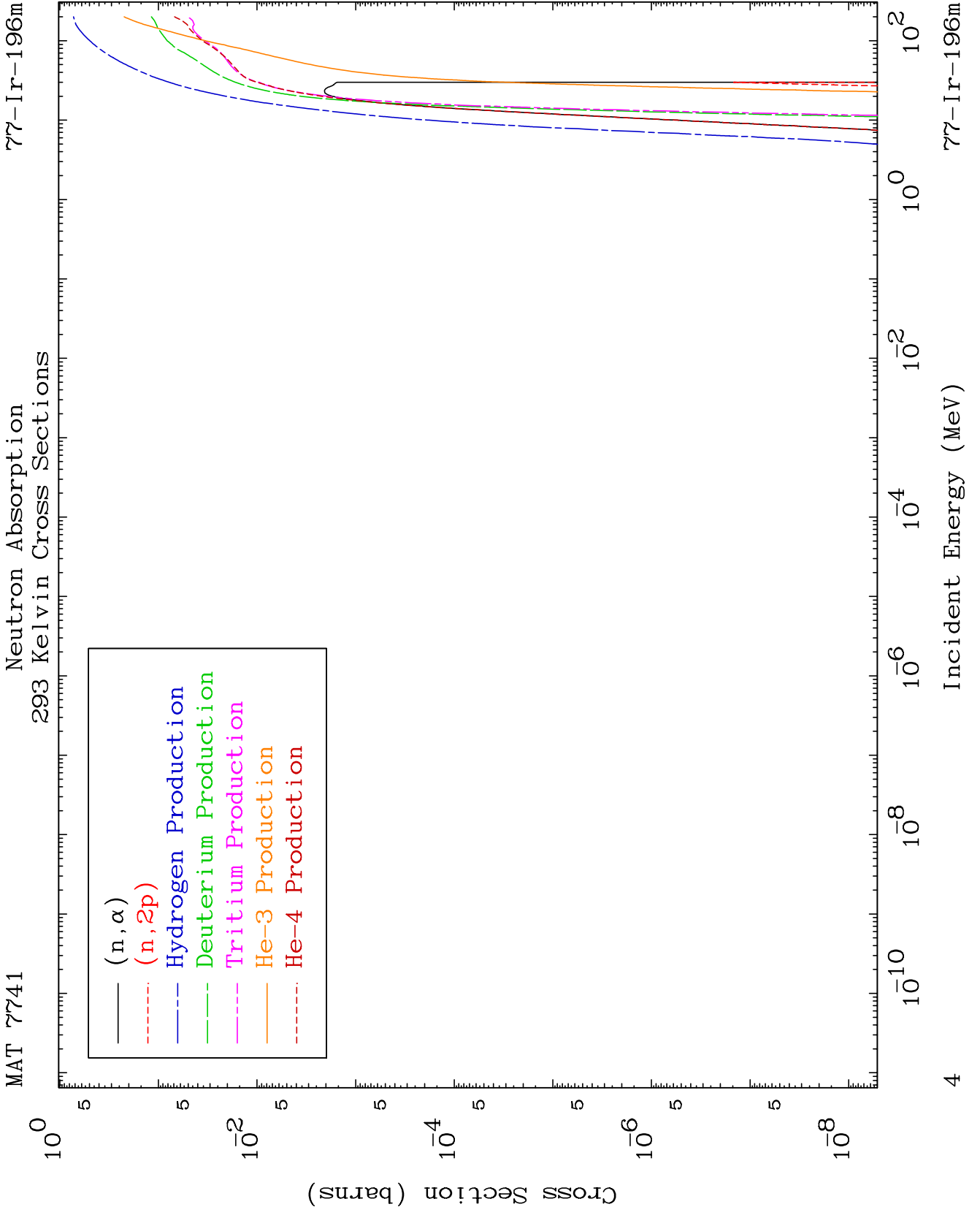


MAT 7741

Neutron Absorption
293 Kelvin Cross Sections

77-Ir-196m

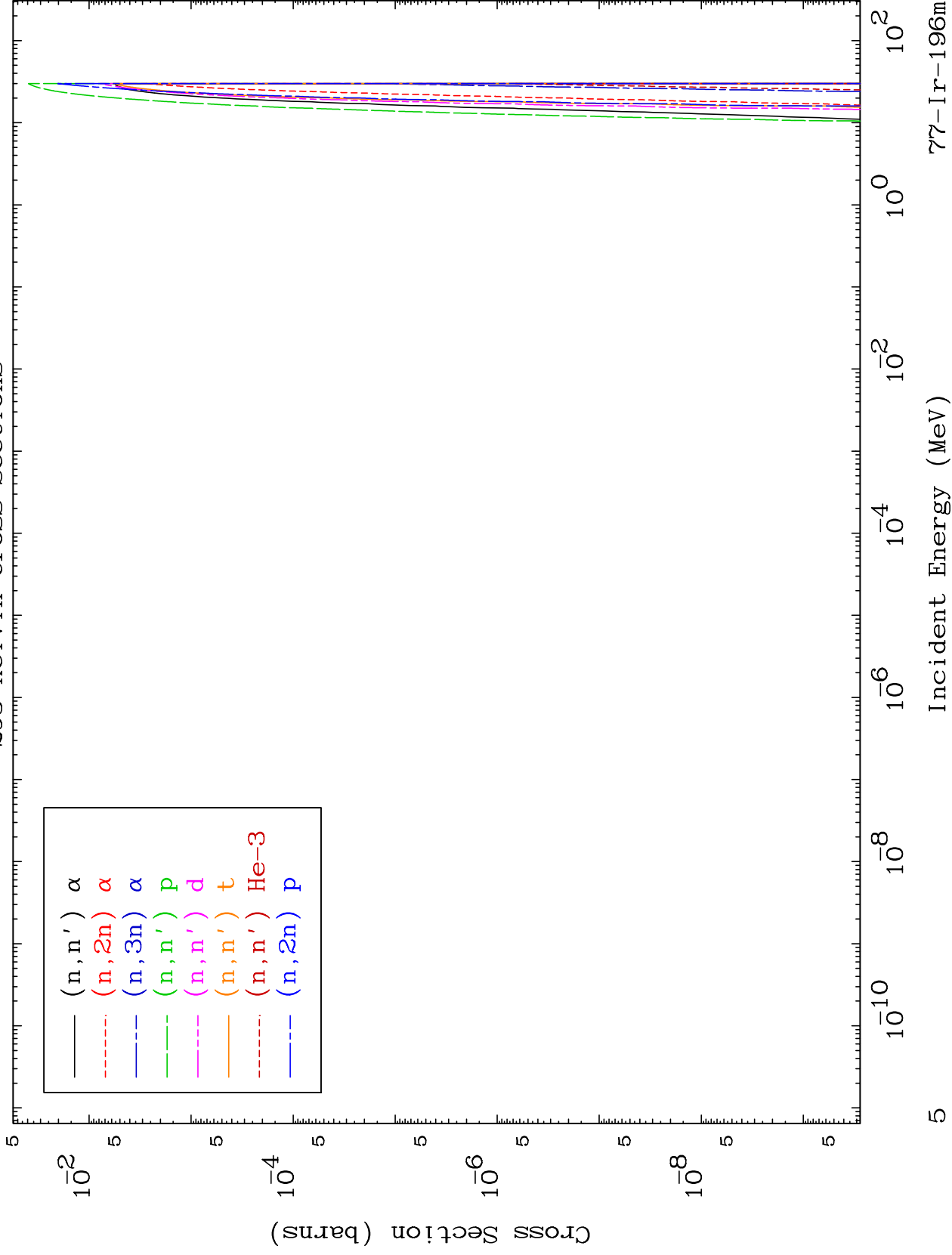




MAT 7741

Charged Particle
293 Kelvin Cross Sections

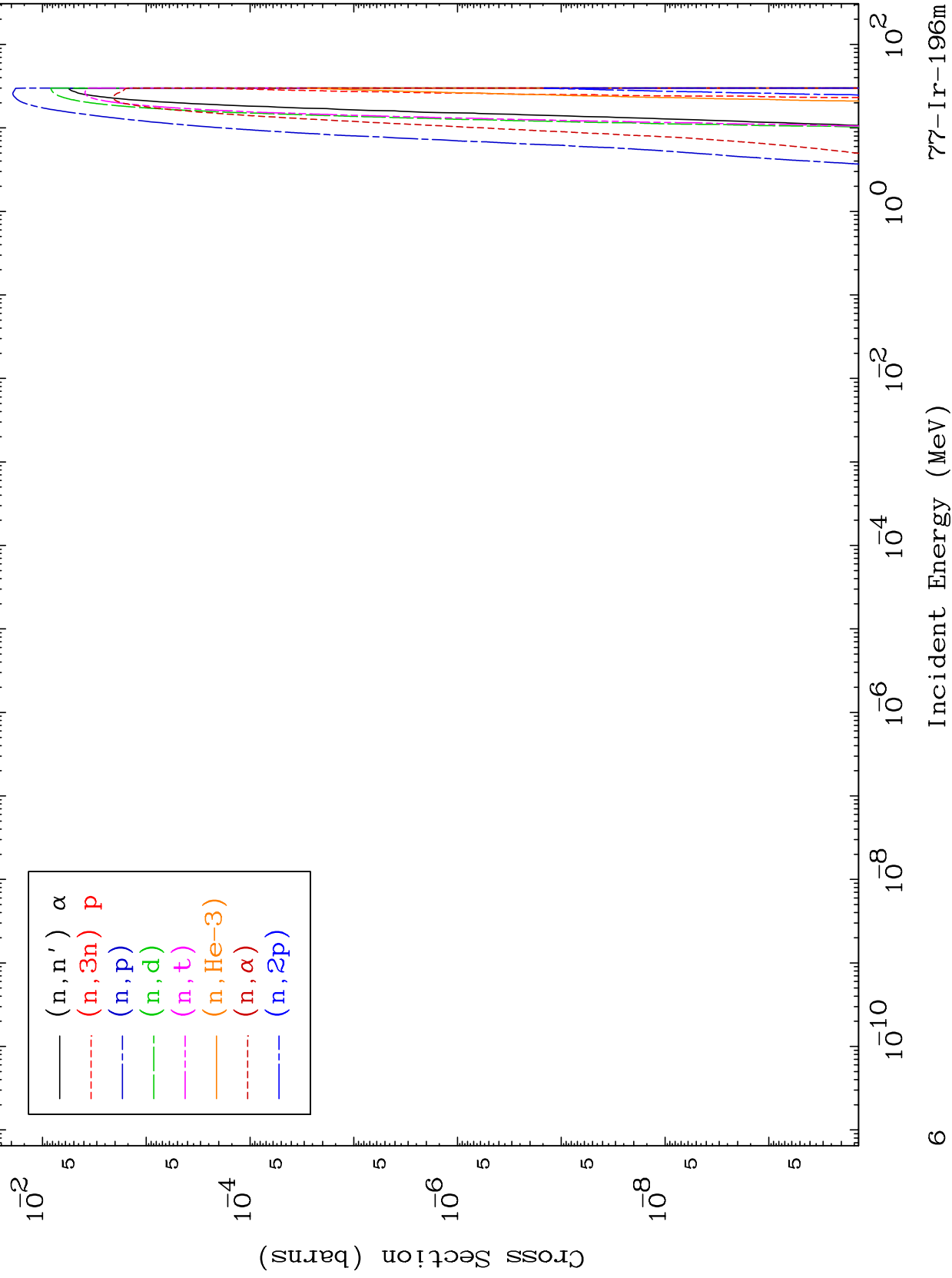
77-Ir-196m



MAT 7741

Charged Particle
293 Kelvin Cross Sections

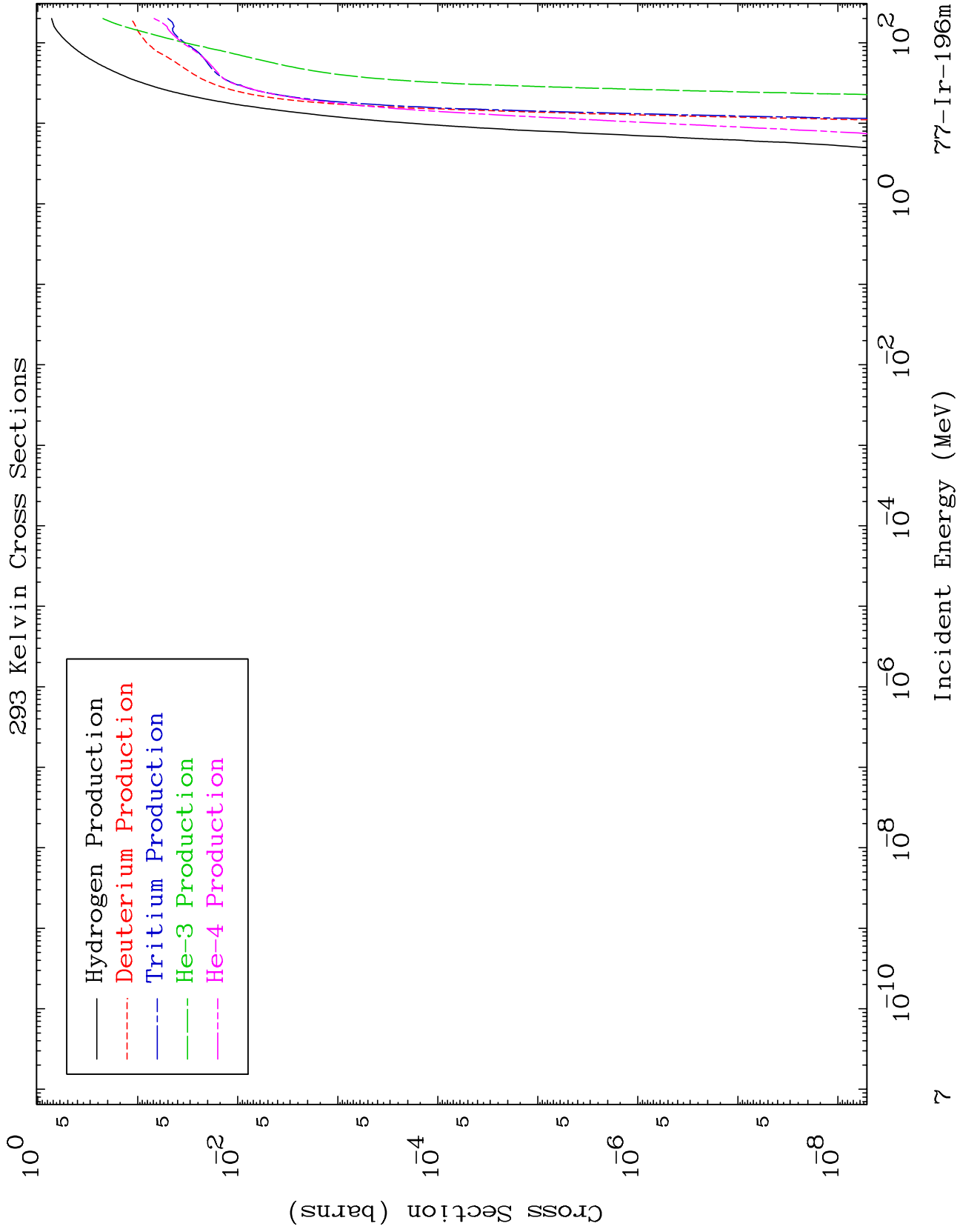
⁷⁷Ir-196m



MAT 7741

Particle Production
293 Kelvin Cross Sections

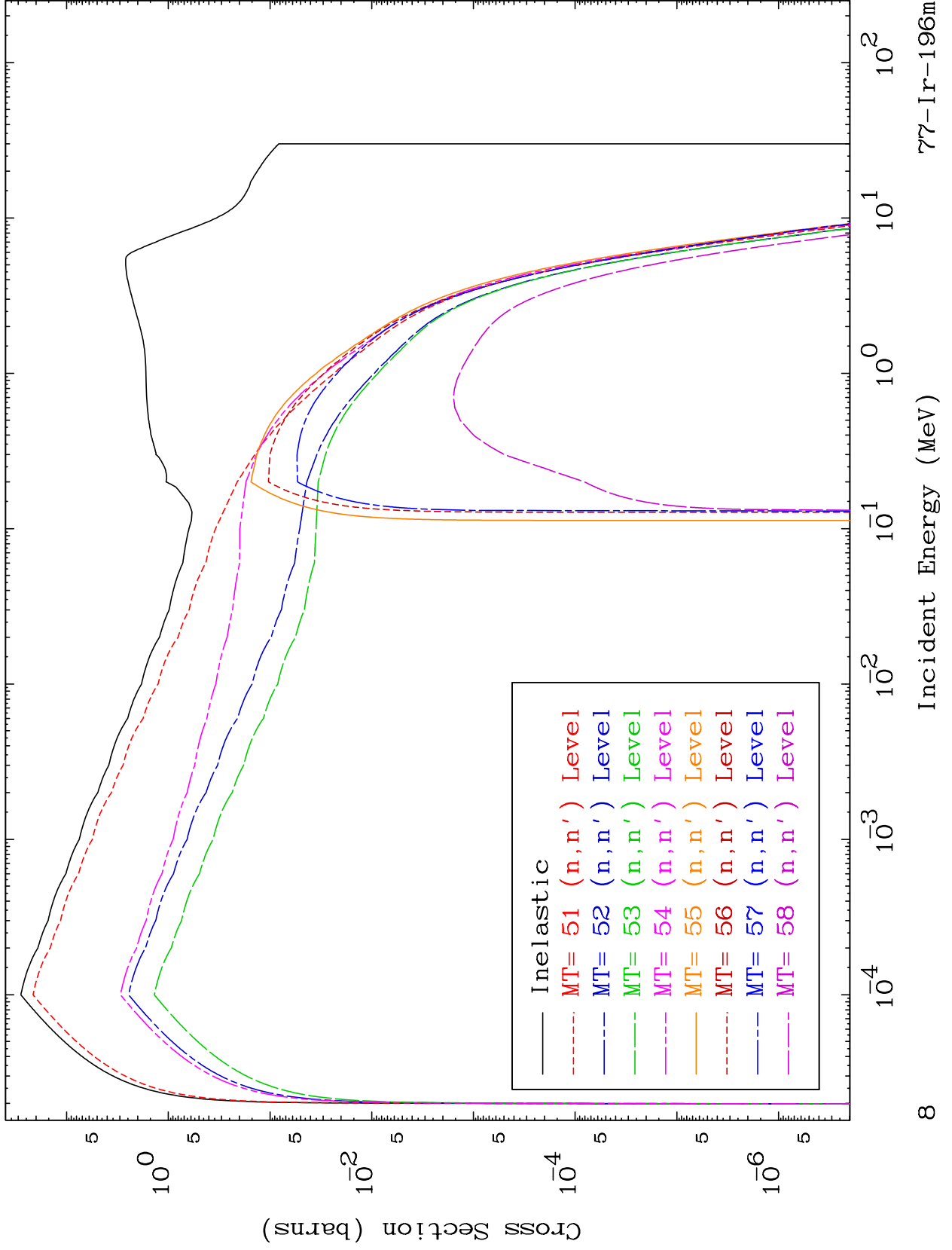
77-Ir-196m



MAT 7741

(n,n') Levels
293 Kelvin Cross Sections

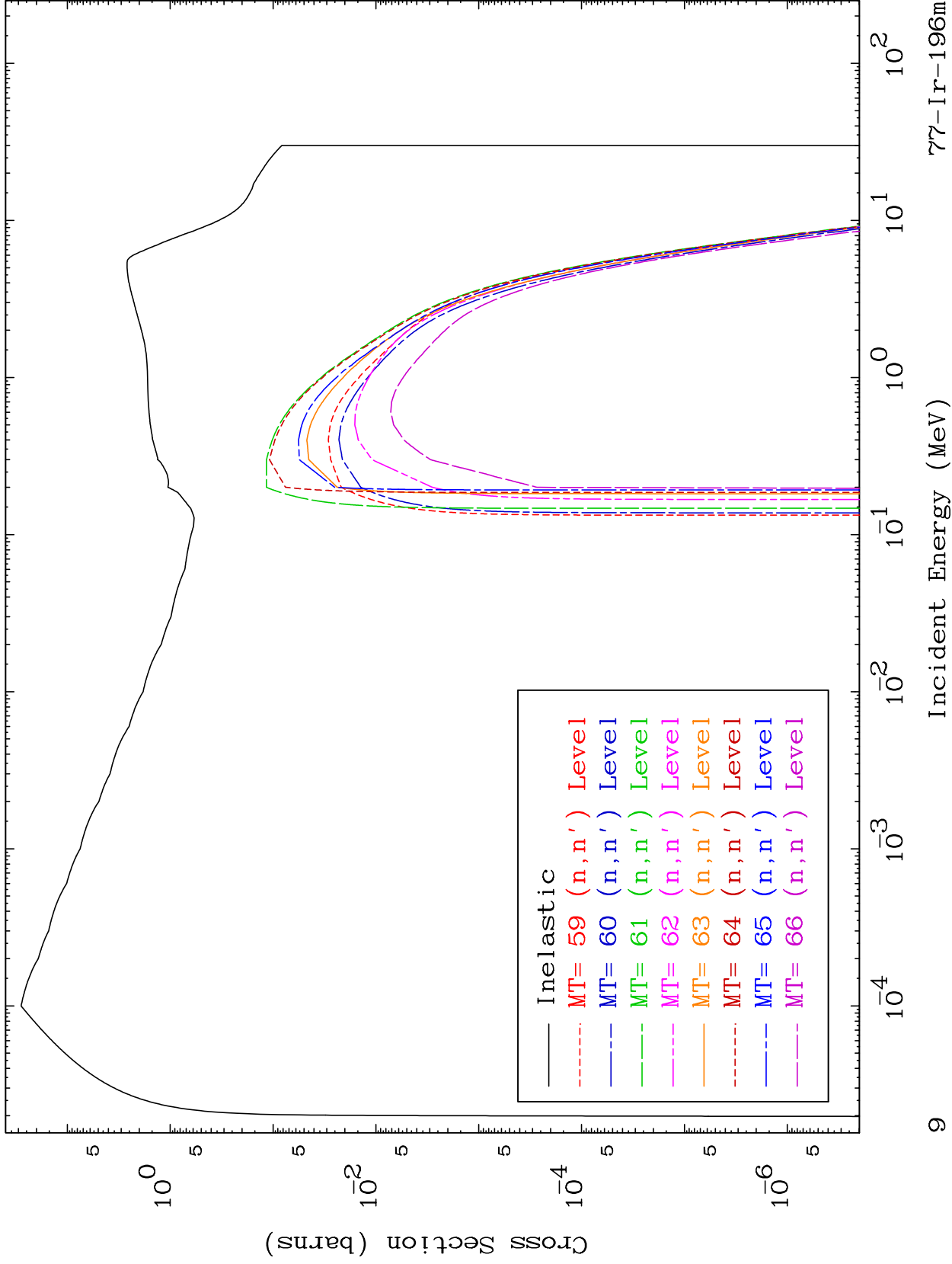
77-Ir-196m



MAT 7741

(n,n') Levels
293 Kelvin Cross Sections

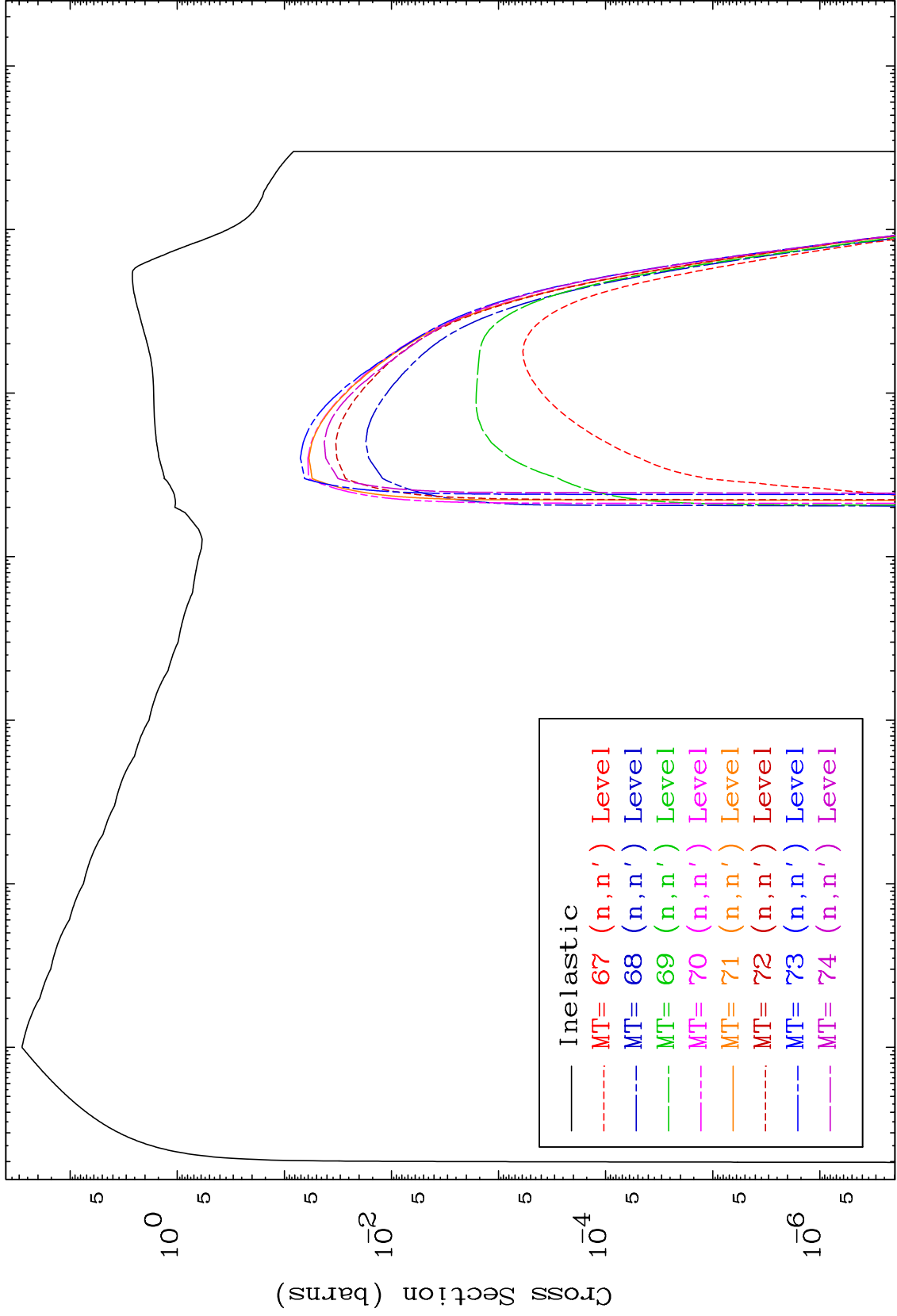
77-Ir-196m



MAT 7741

(n,n') Levels
293 Kelvin Cross Sections

77-Ir-196m



10

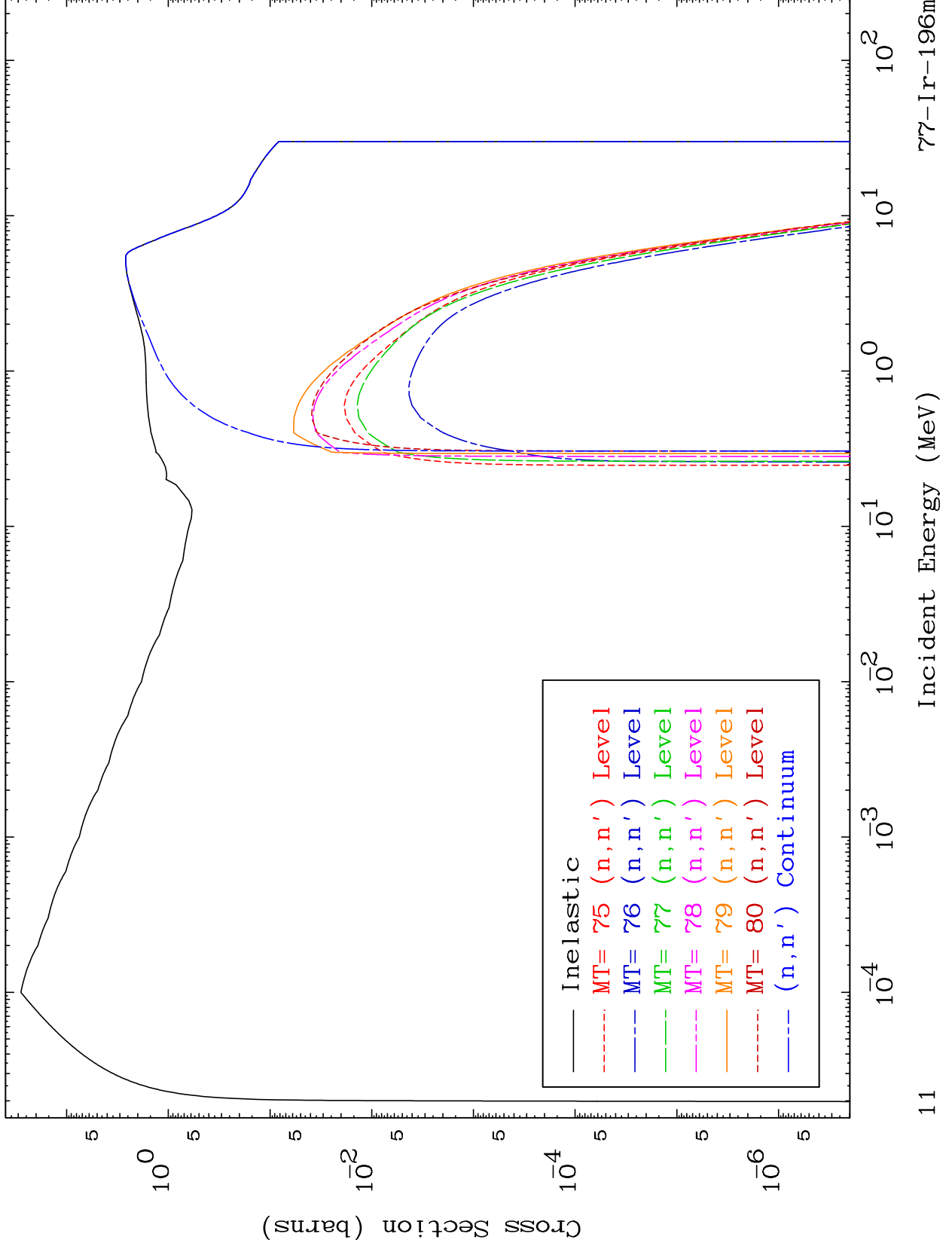
Incident Energy (MeV)

77-Ir-196m

MAT 7741

(n,n') Levels
293 Kelvin Cross Sections

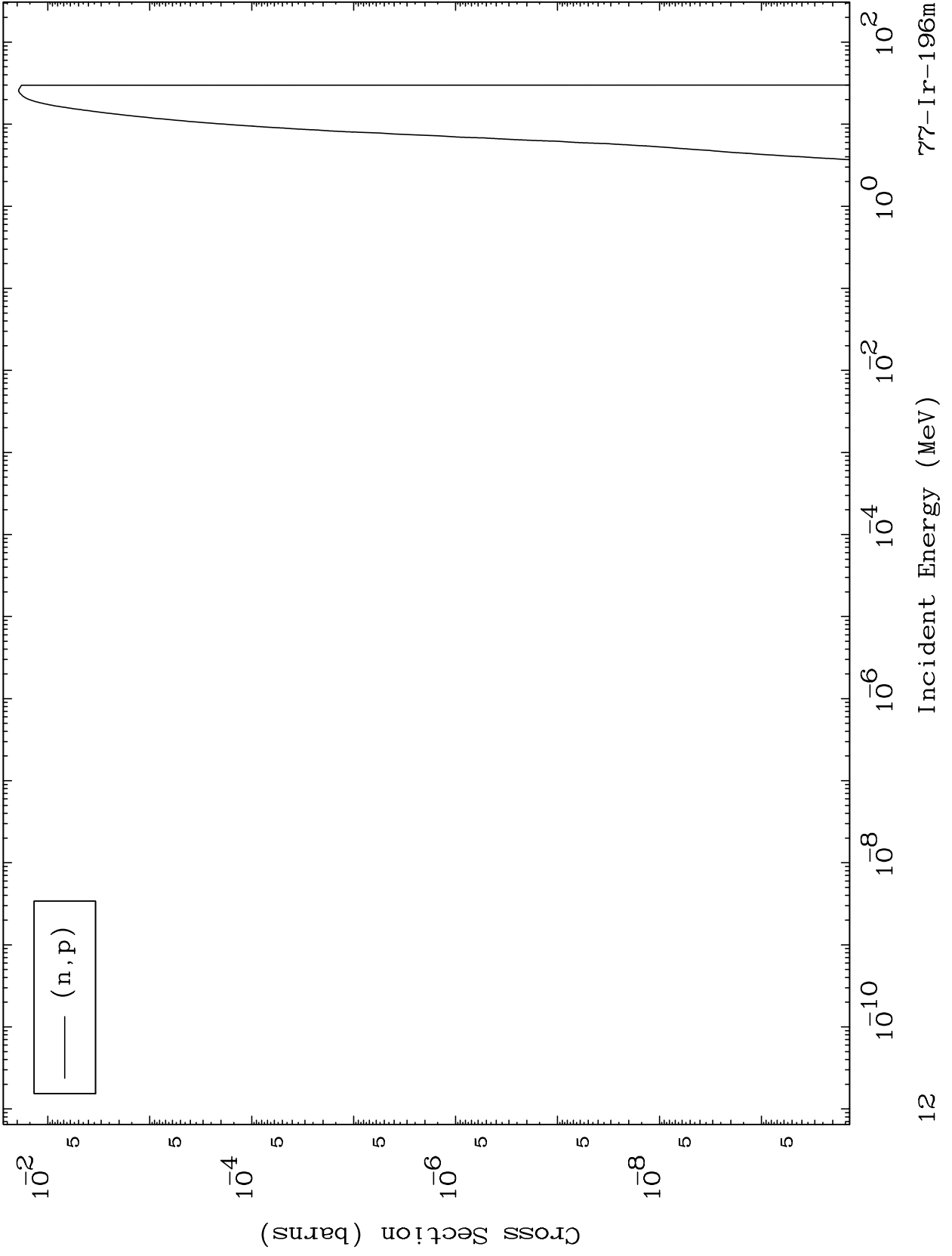
77-Ir-196m



MAT 7741

(n,p) Levels
293 Kelvin Cross Sections

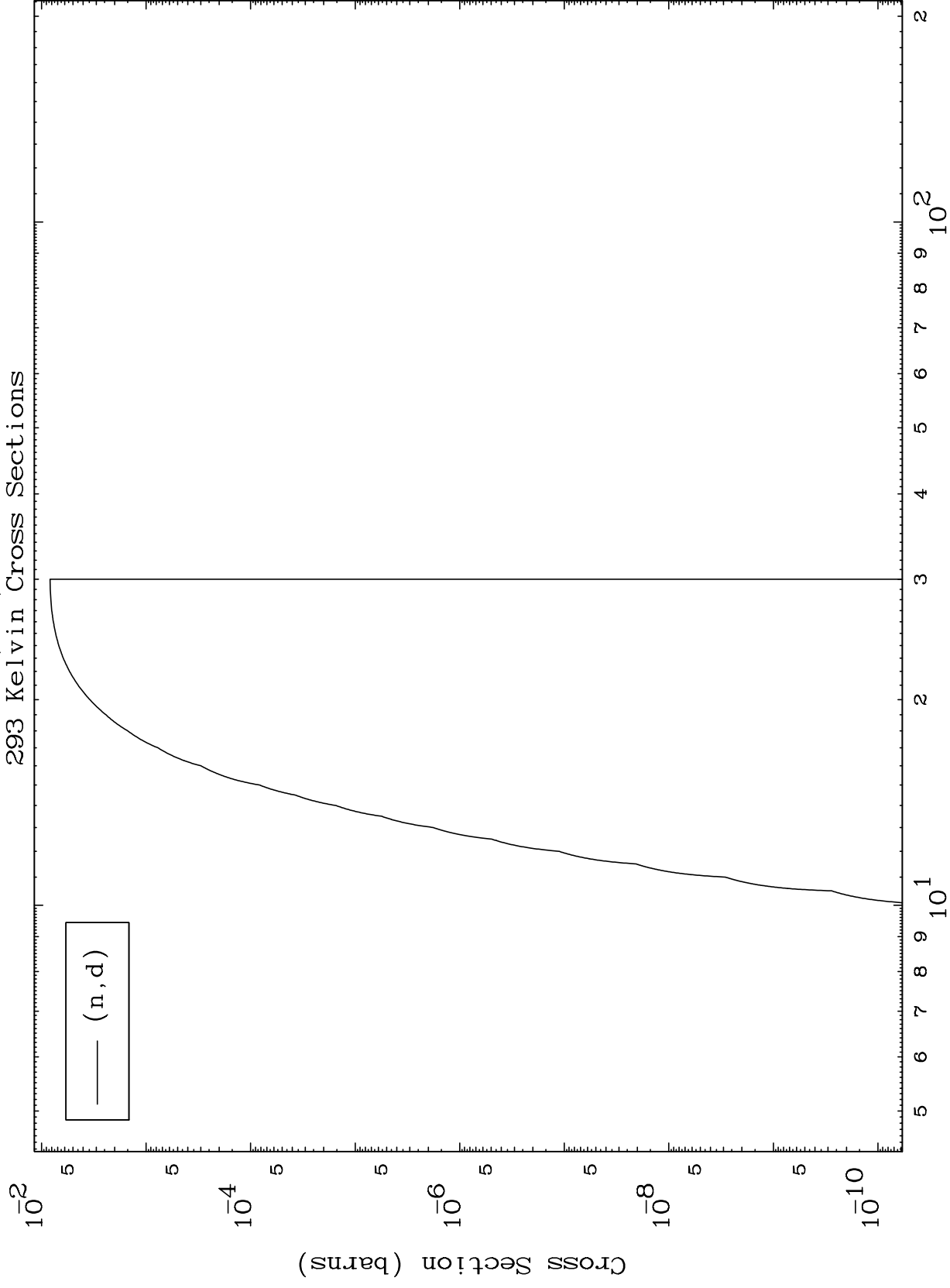
77-Ir-196m



MAT 7741

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-196m



13

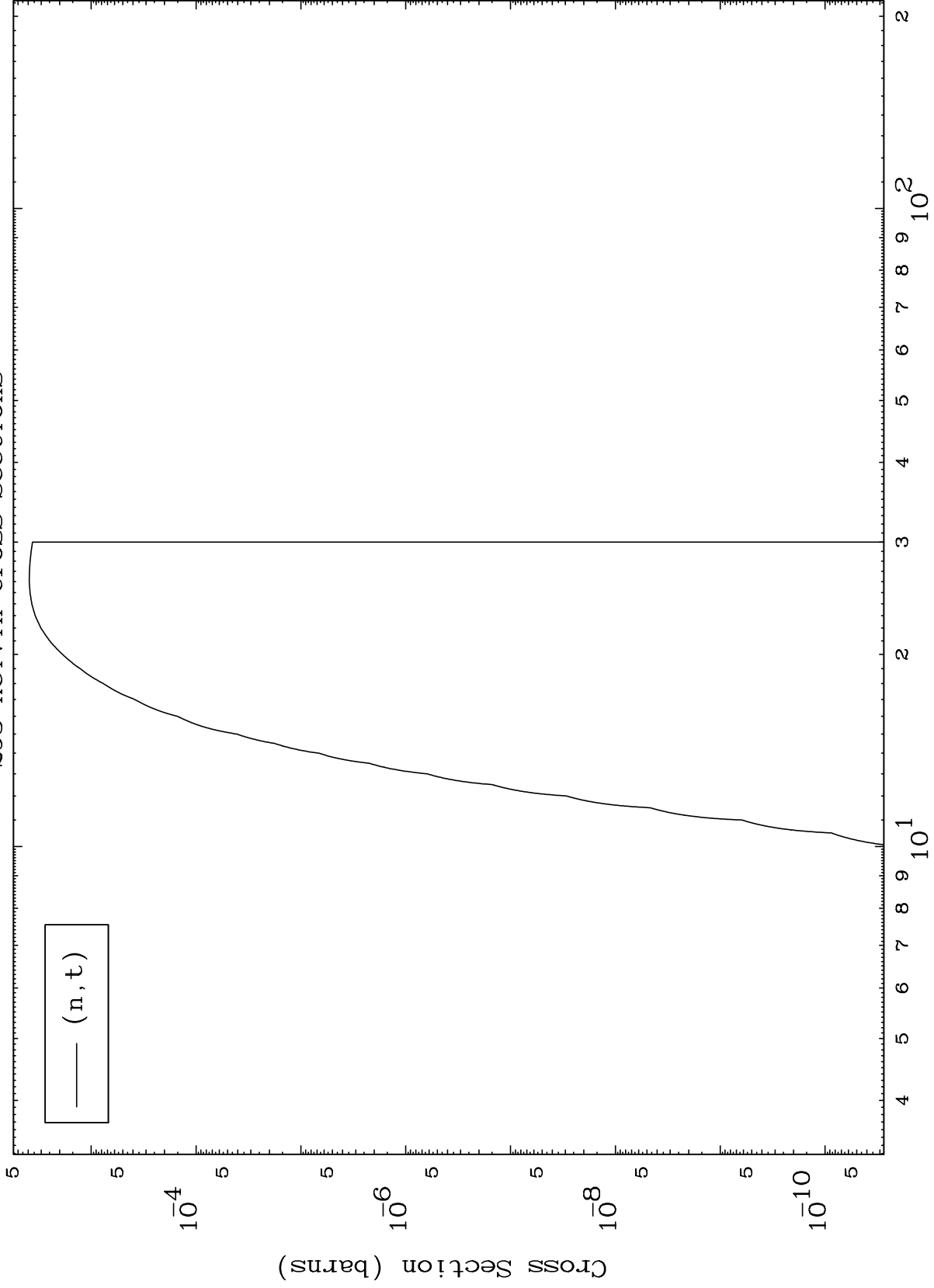
Incident Energy (MeV)

77-Ir-196m

MAT 7741

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-196m



14

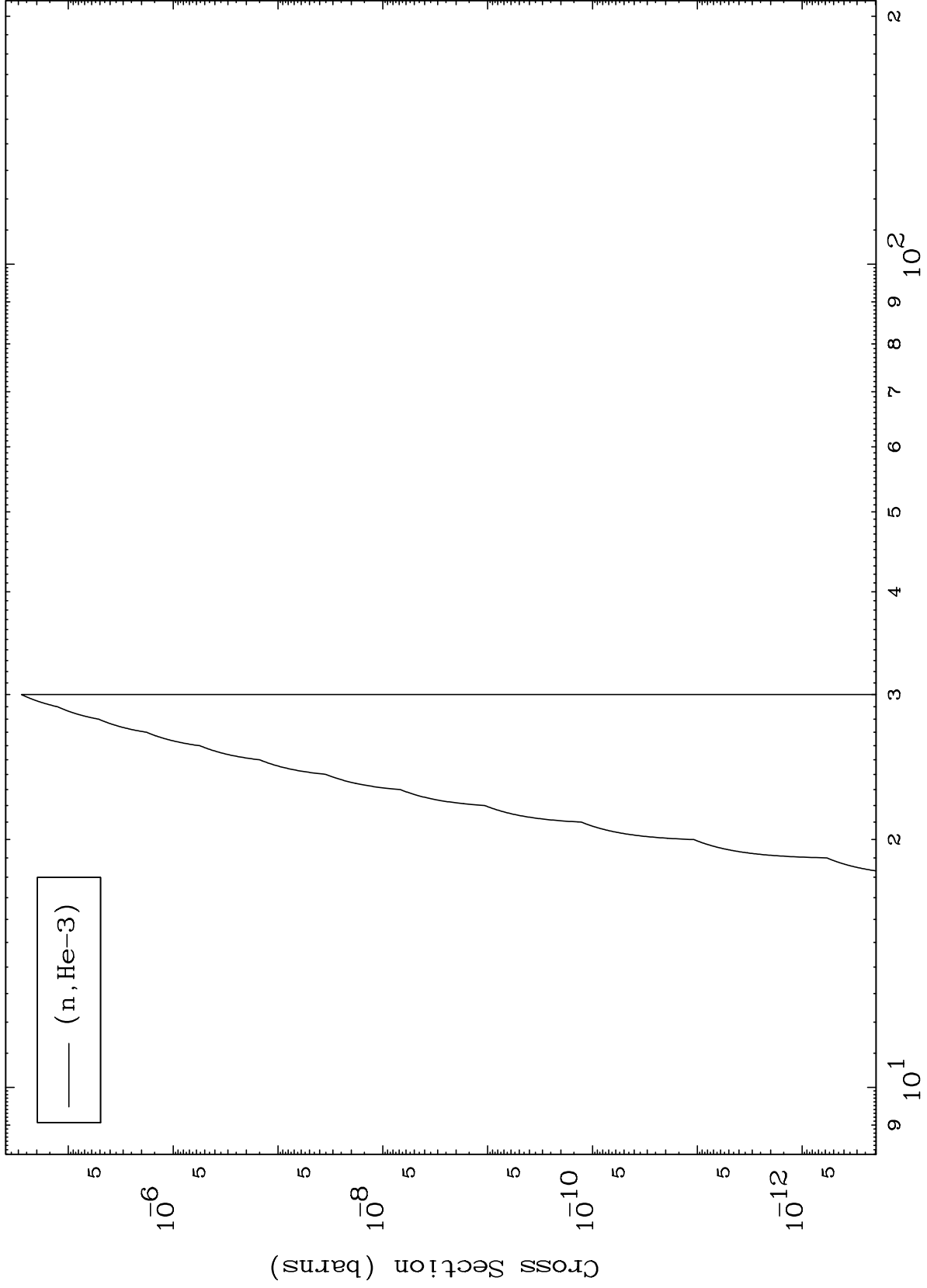
Incident Energy (MeV)

77-Ir-196m

MAT 7741

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-196m



15

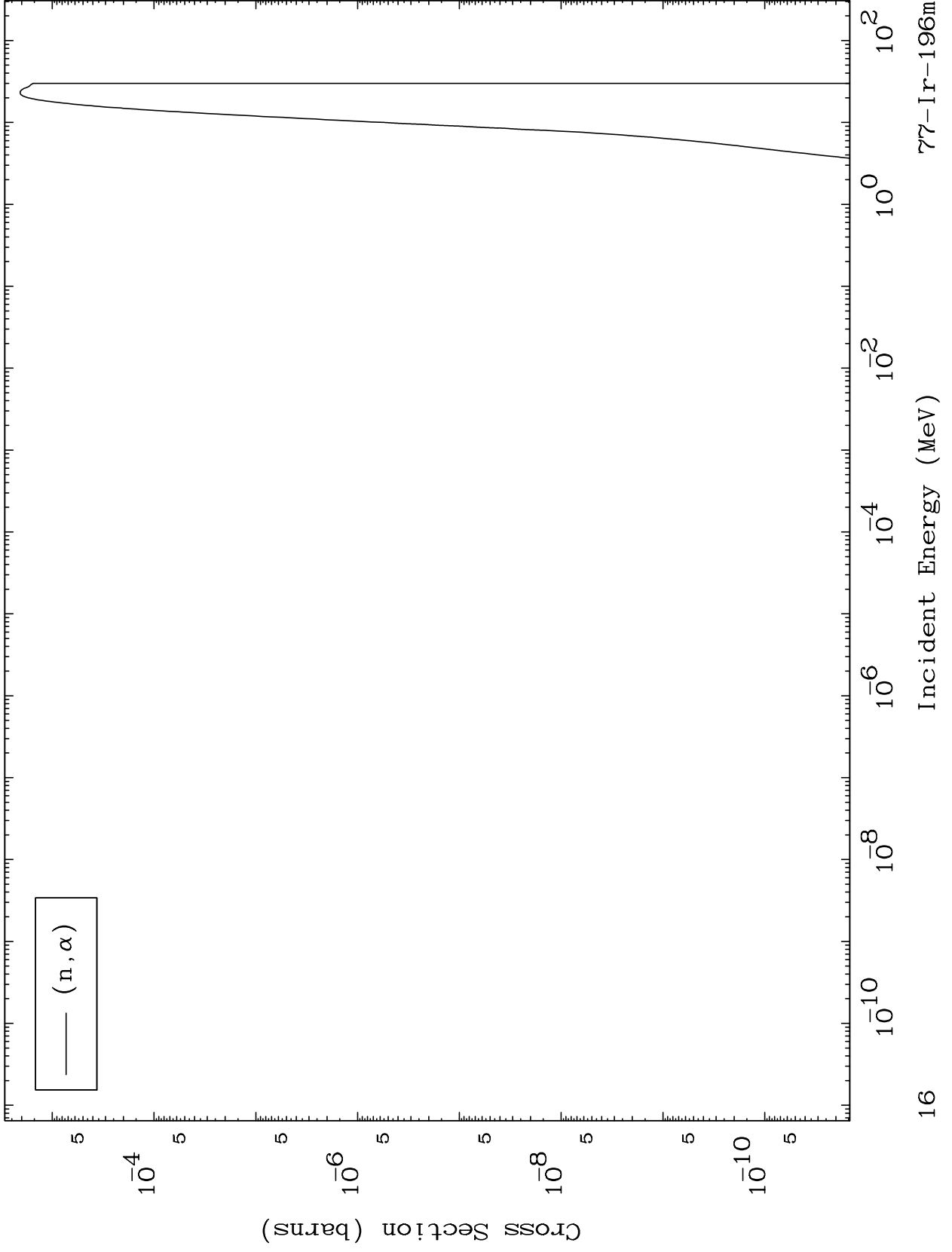
Incident Energy (MeV)

77-Ir-196m

MAT 7741

(n, α) Levels
293 Kelvin Cross Sections

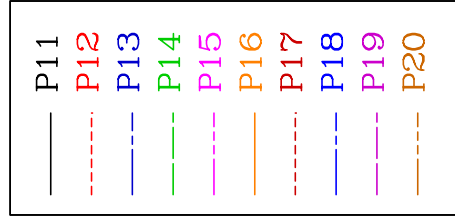
77-Ir-196m



MAT 7741

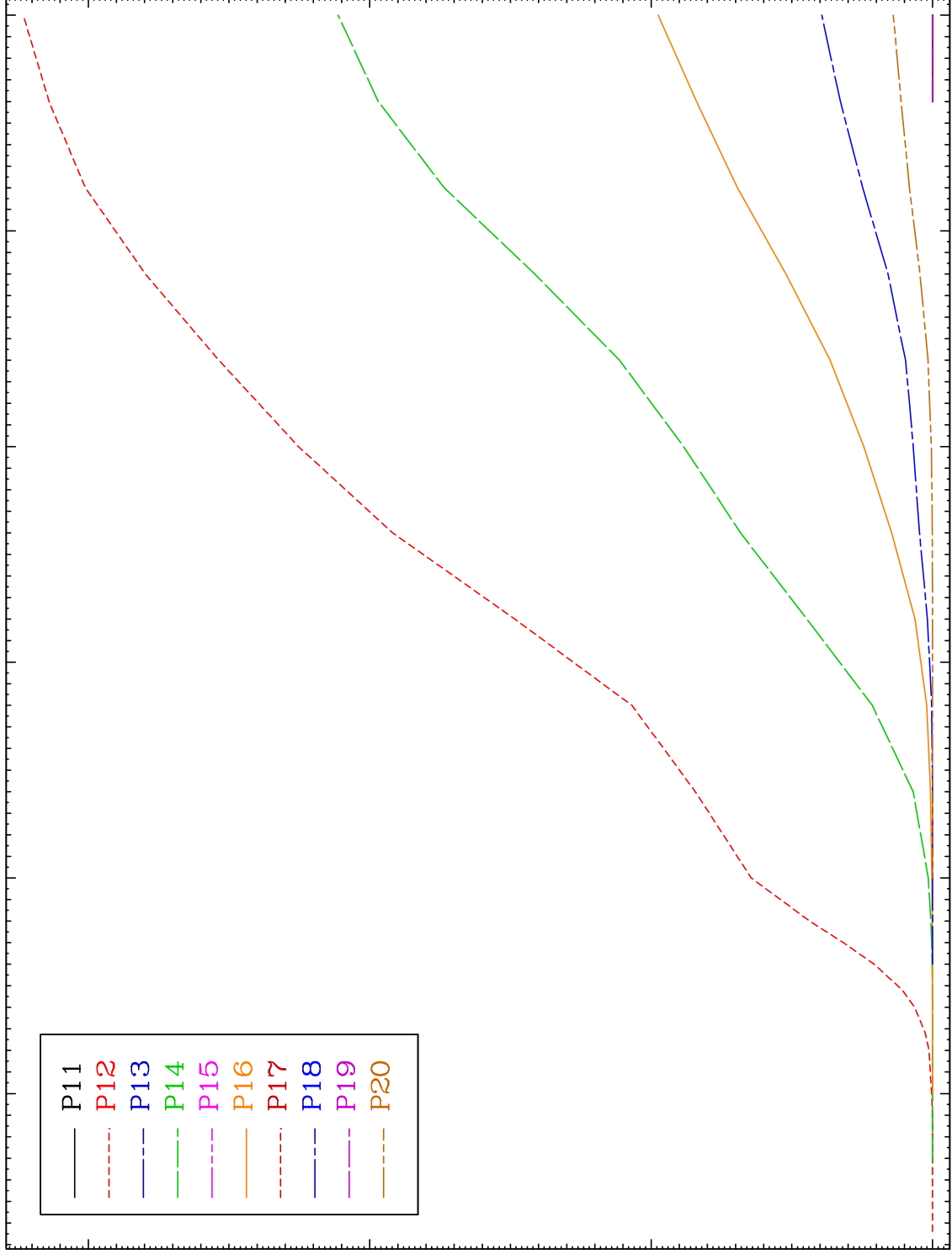
Elastic Legendre Coefficients

77-Ir-196m



$\times 10^{-4}$

Legendre (CM)



18

Incident Energy (MeV)

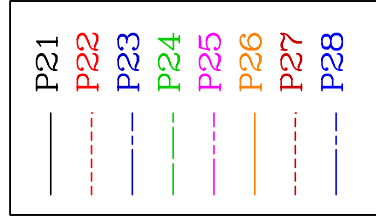
77-Ir-196m

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Elastic
Legendre Coefficients

77-Ir-196m



$\times 10^{-6}$
2.0

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

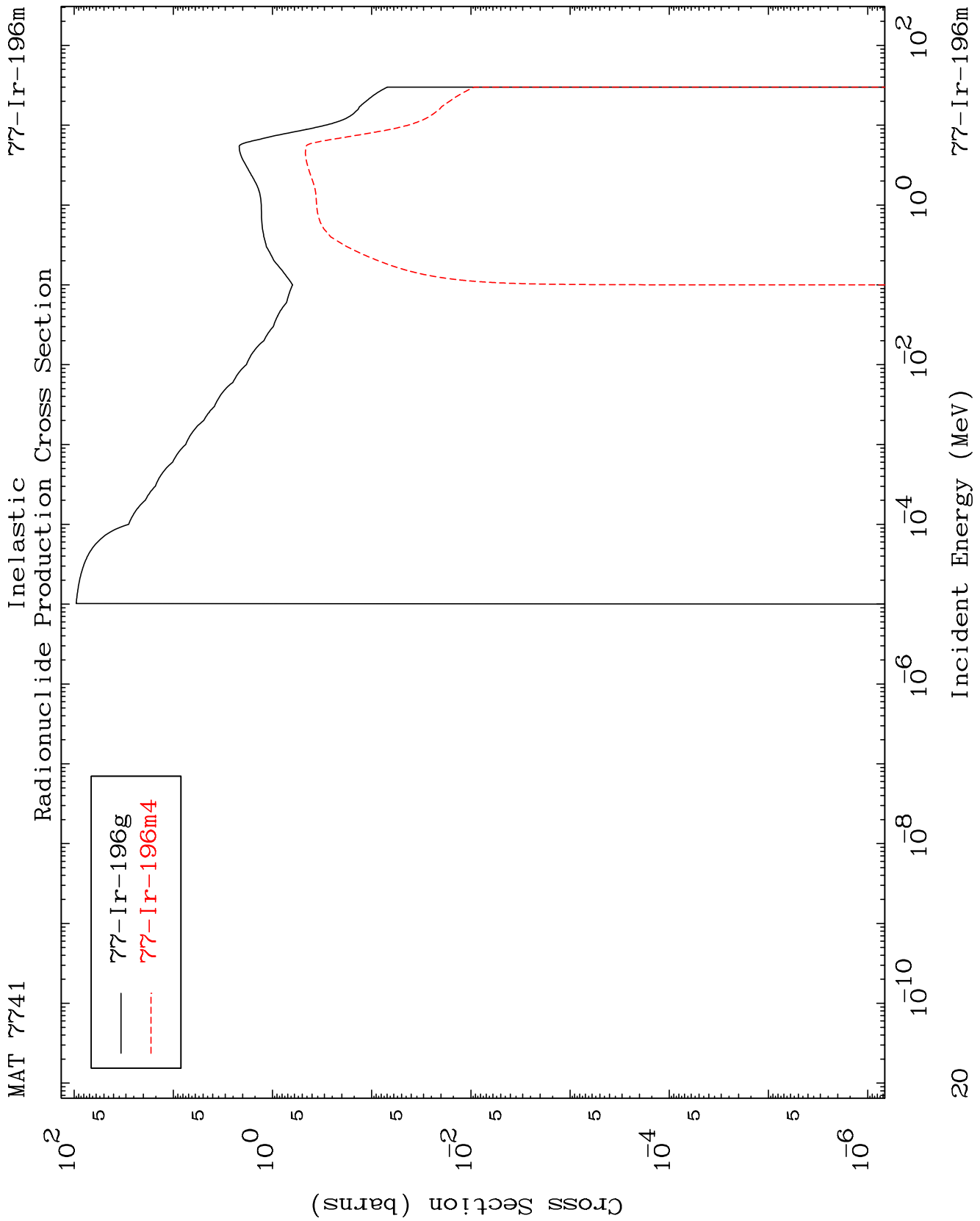
25

30

19

Incident Energy (MeV)

77-Ir-196m

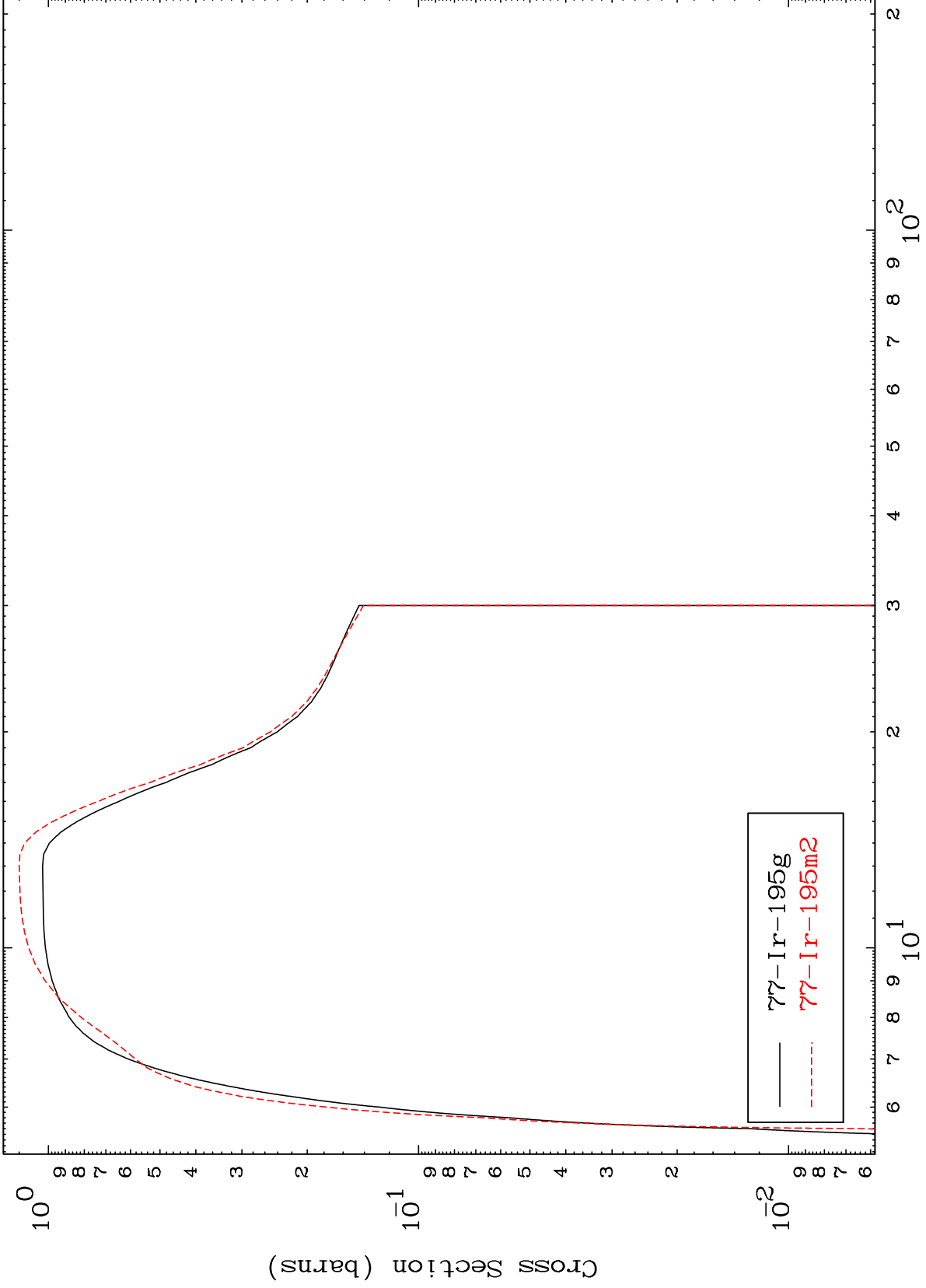


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(n,2n)

⁷⁷Ir-196m

Radionuclide Production Cross Section



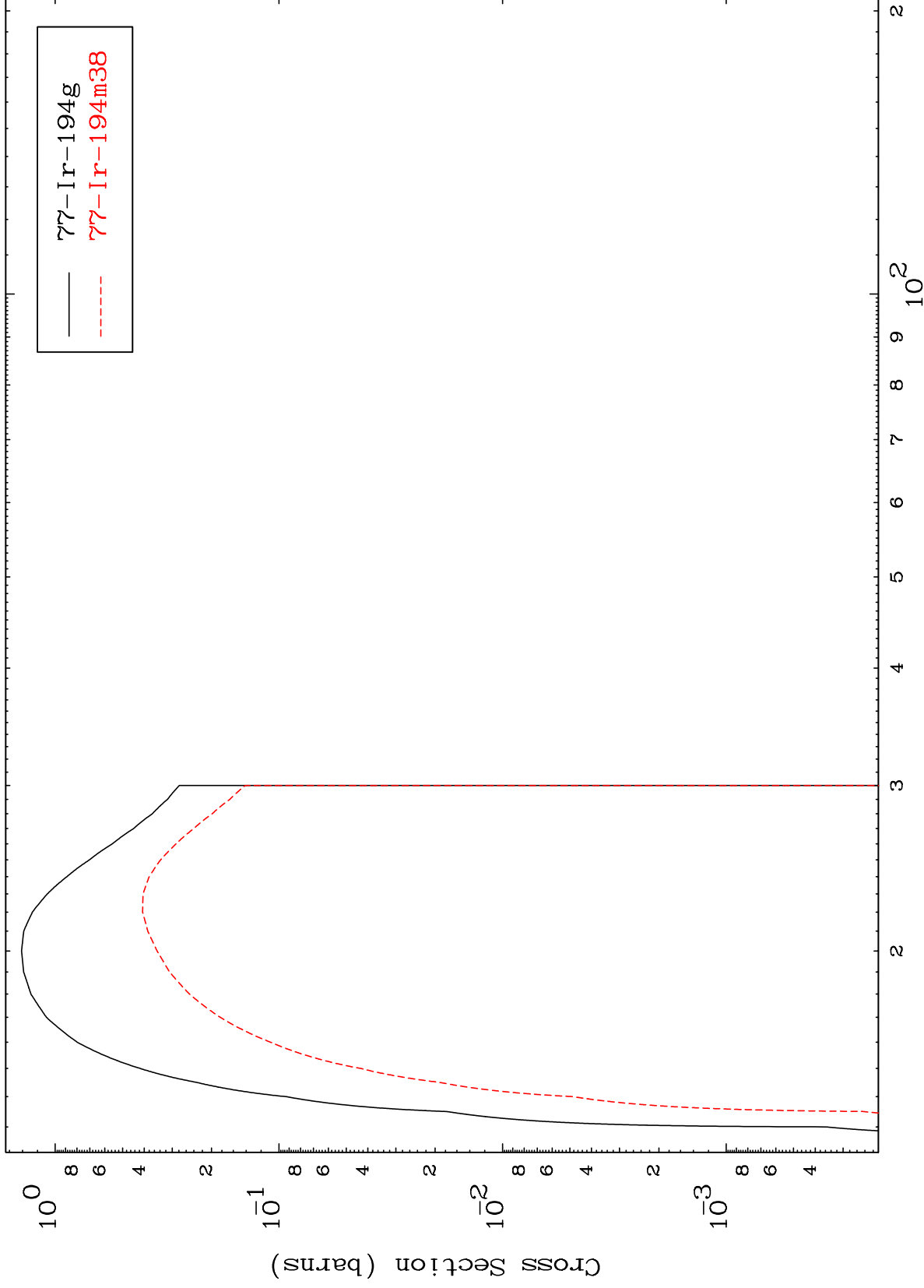
— ⁷⁷Ir-195g
- - - ⁷⁷Ir-195m2

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(n,3n)

77-Ir-196m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

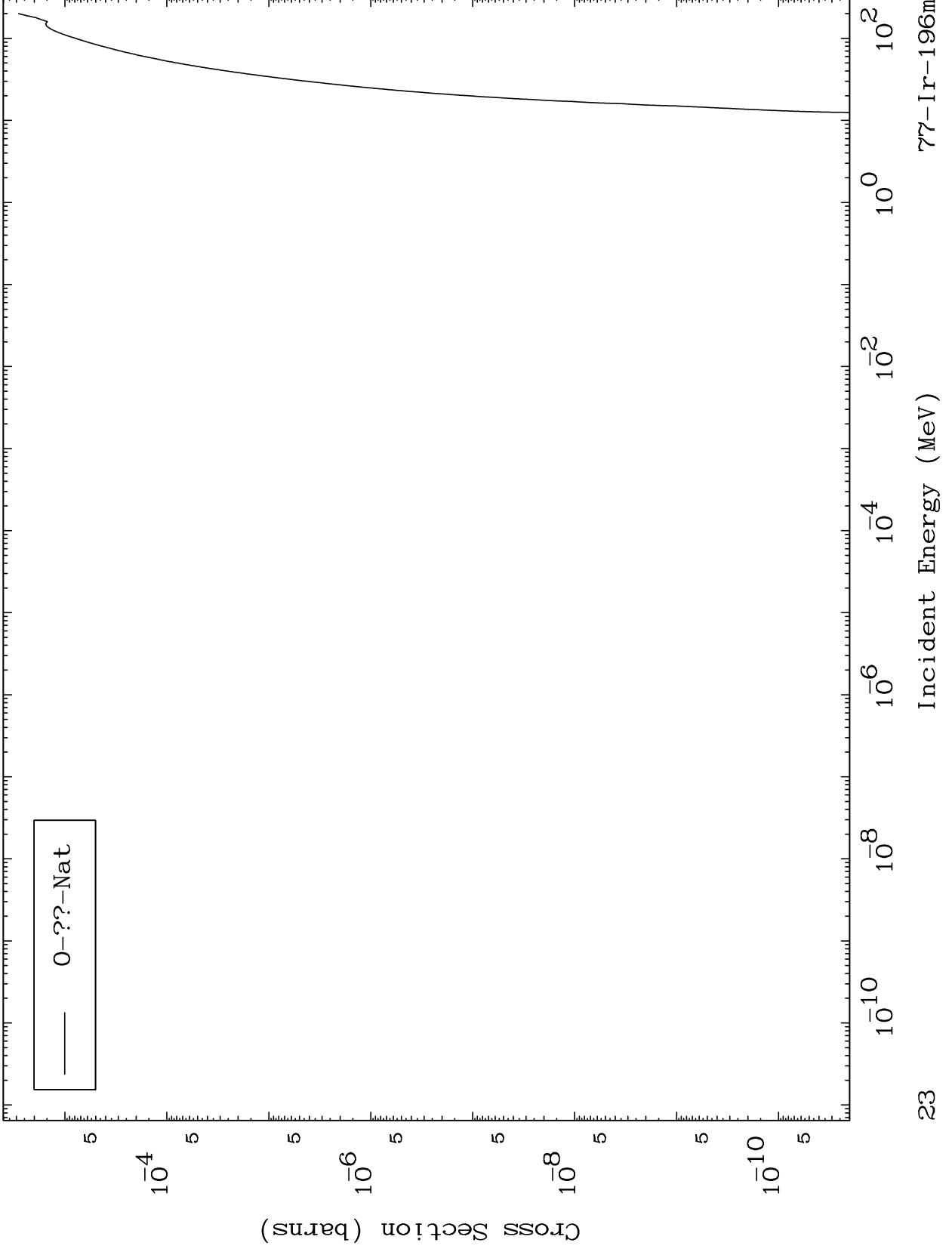
77-Ir-196m

MAT 7741

Fission

⁷⁷Ir-196m

Radionuclide Production Cross Section

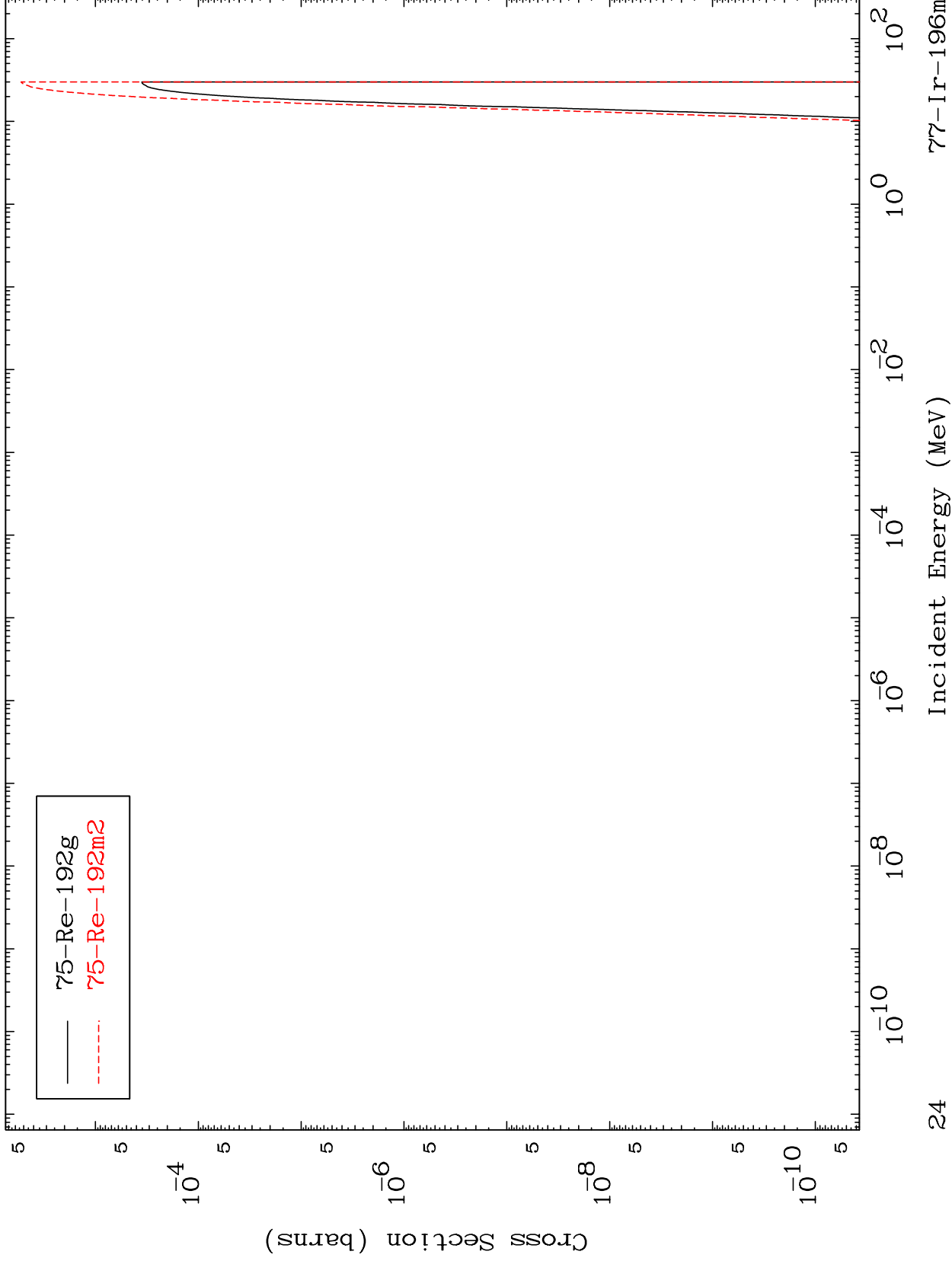


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$(n, n') \alpha$

$^{77}\text{Ir}-196\text{m}$

Radionuclide Production Cross Section

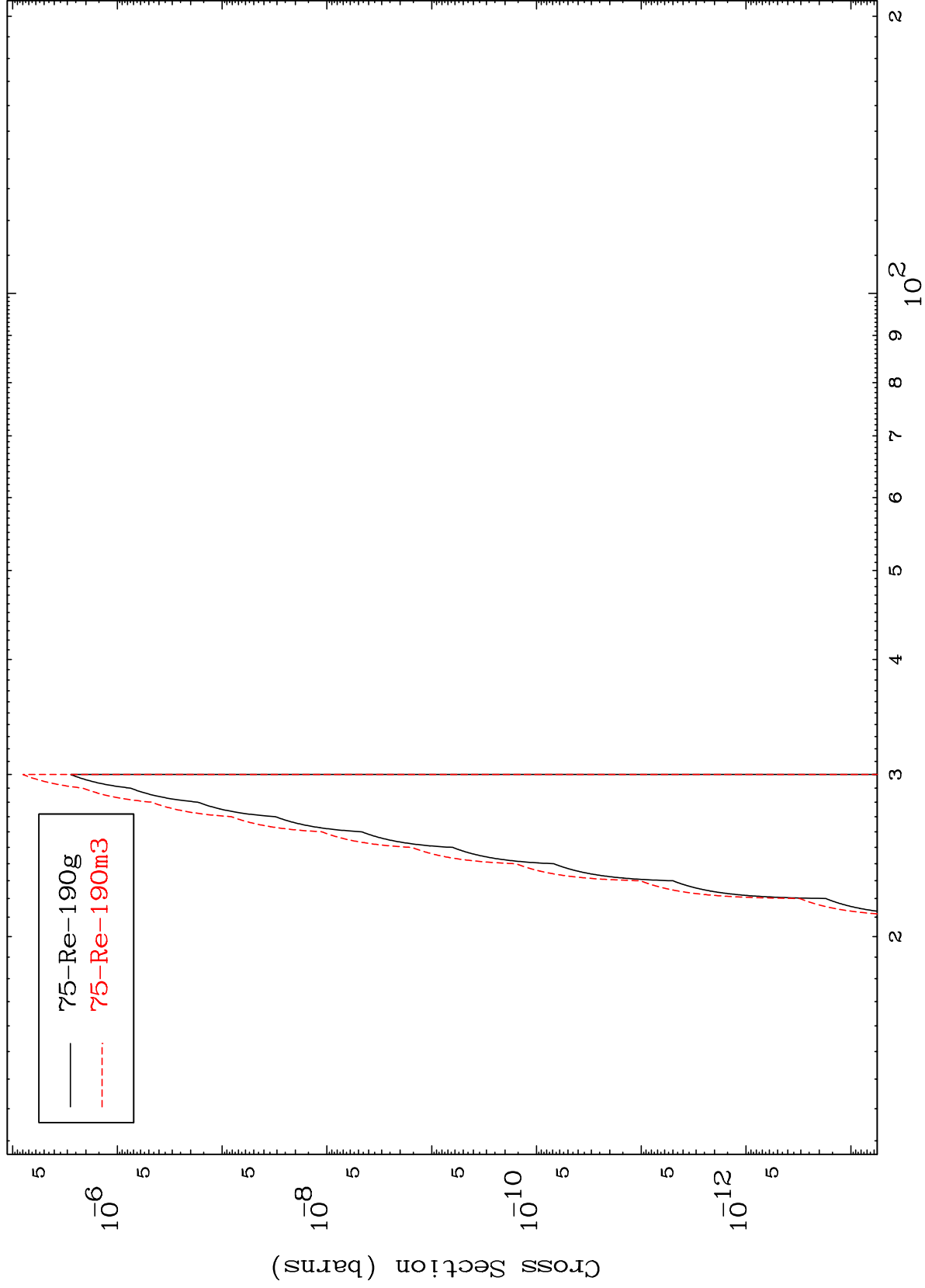


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(n,3n) α

⁷⁷Ir-196m

Radionuclide Production Cross Section



Incident Energy (MeV)

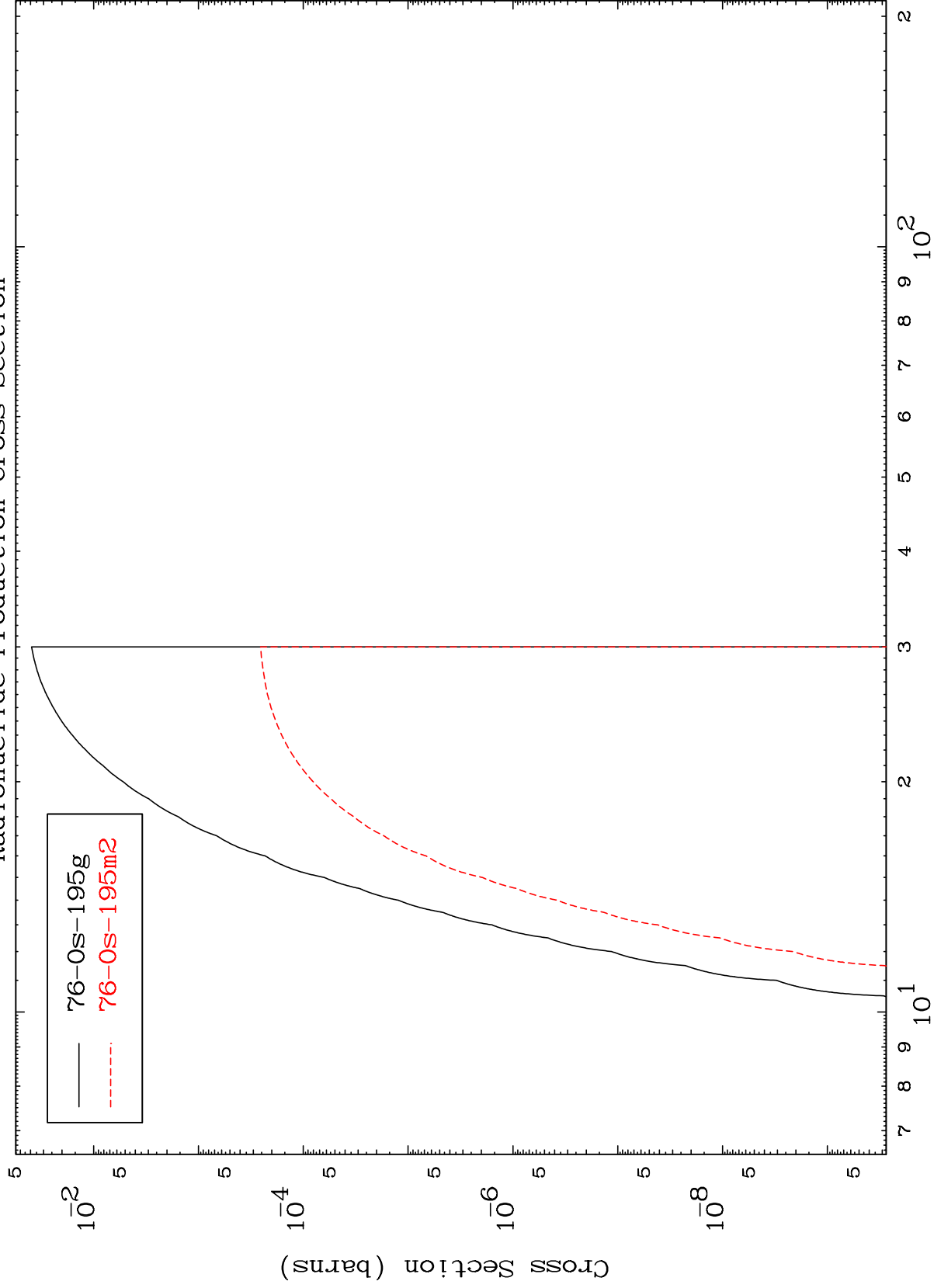
⁷⁷Ir-196m

25

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77-Ir-196m

(n,n') p
Radionuclide Production Cross Section



Incident Energy (MeV)

77-Ir-196m

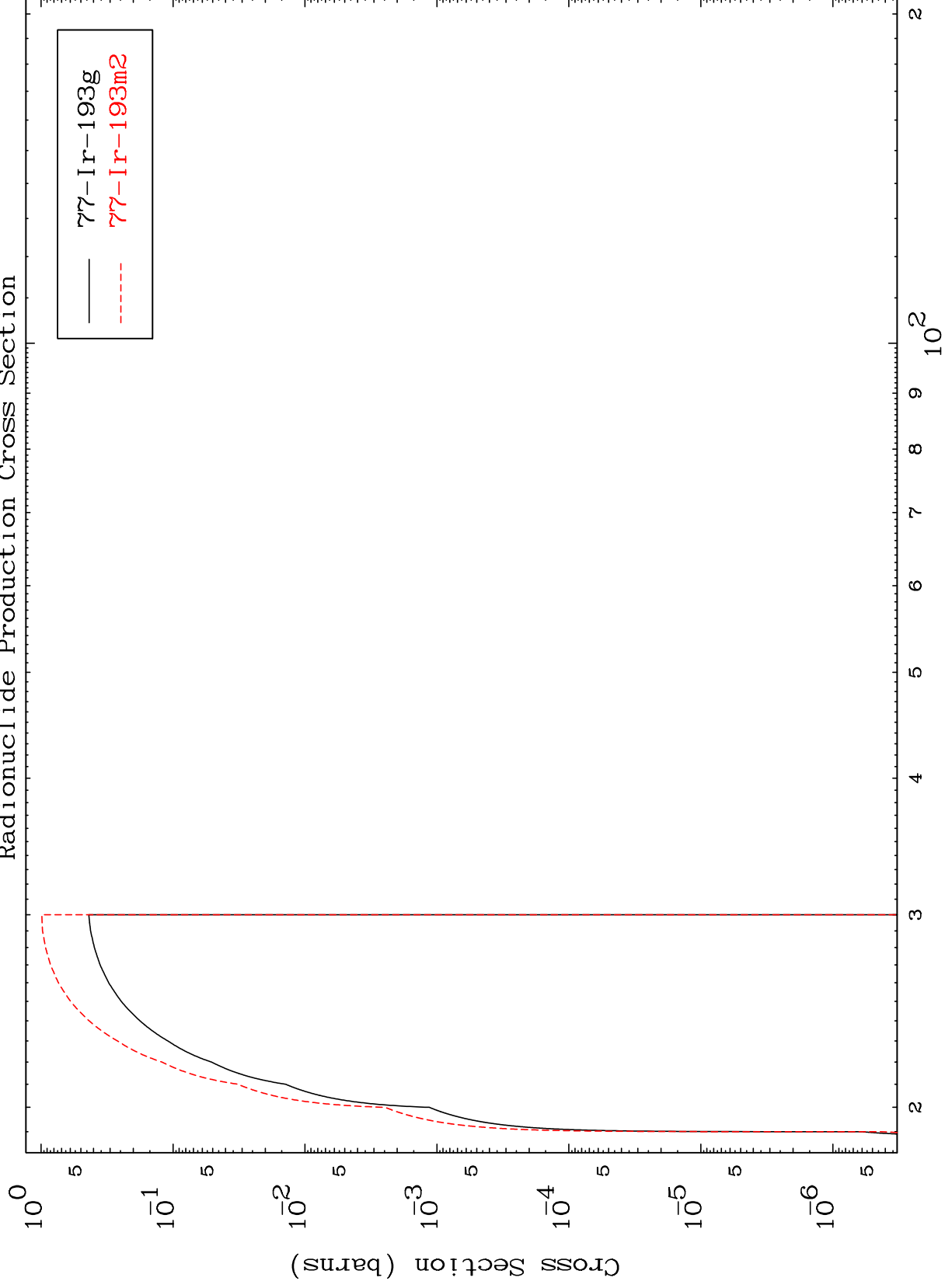
26

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(n,4n)

77-Ir-196m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

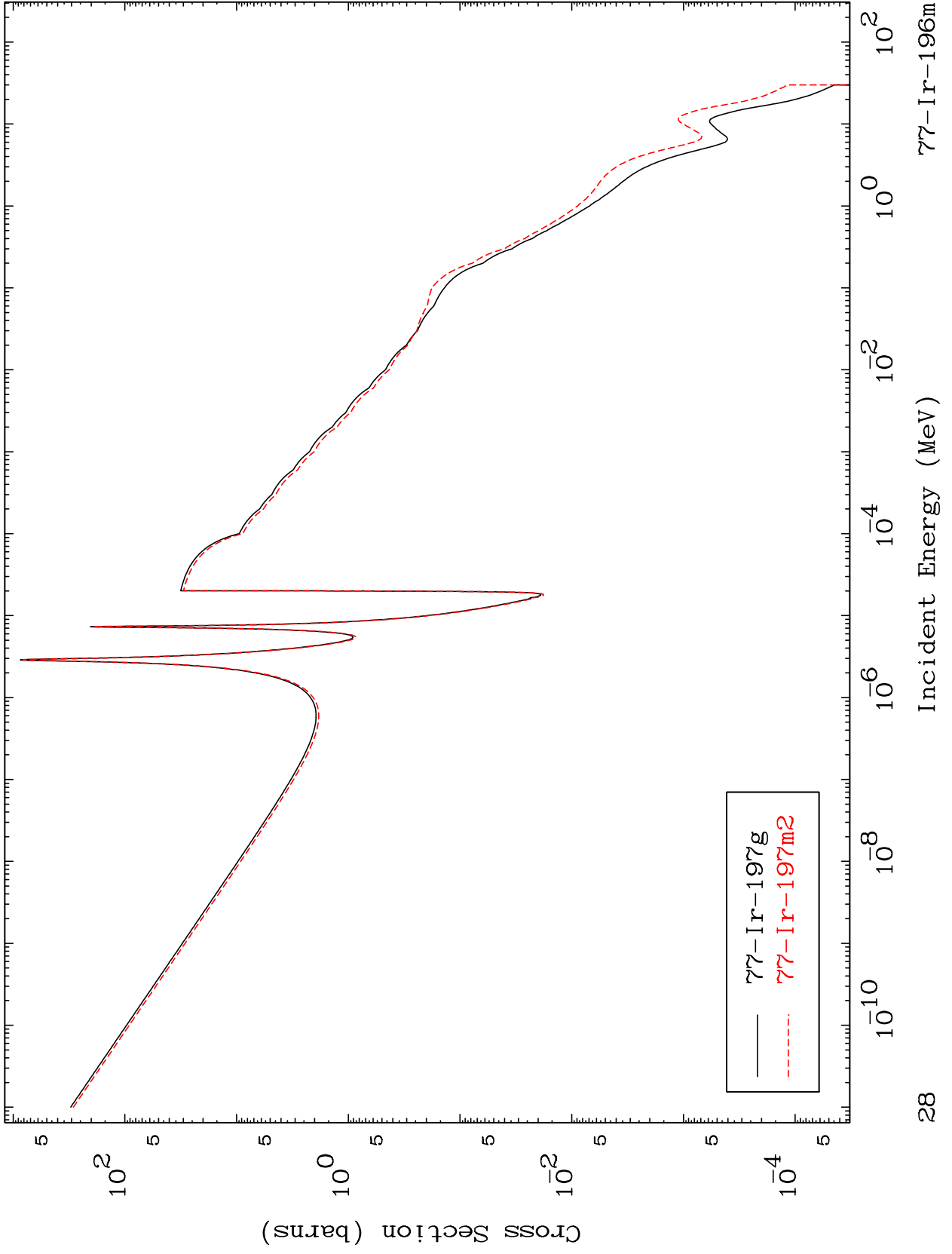
77-Ir-196m

MAT 7741

⁷⁷Ir-196m

Radionuclide Production Cross Section

(n,γ)

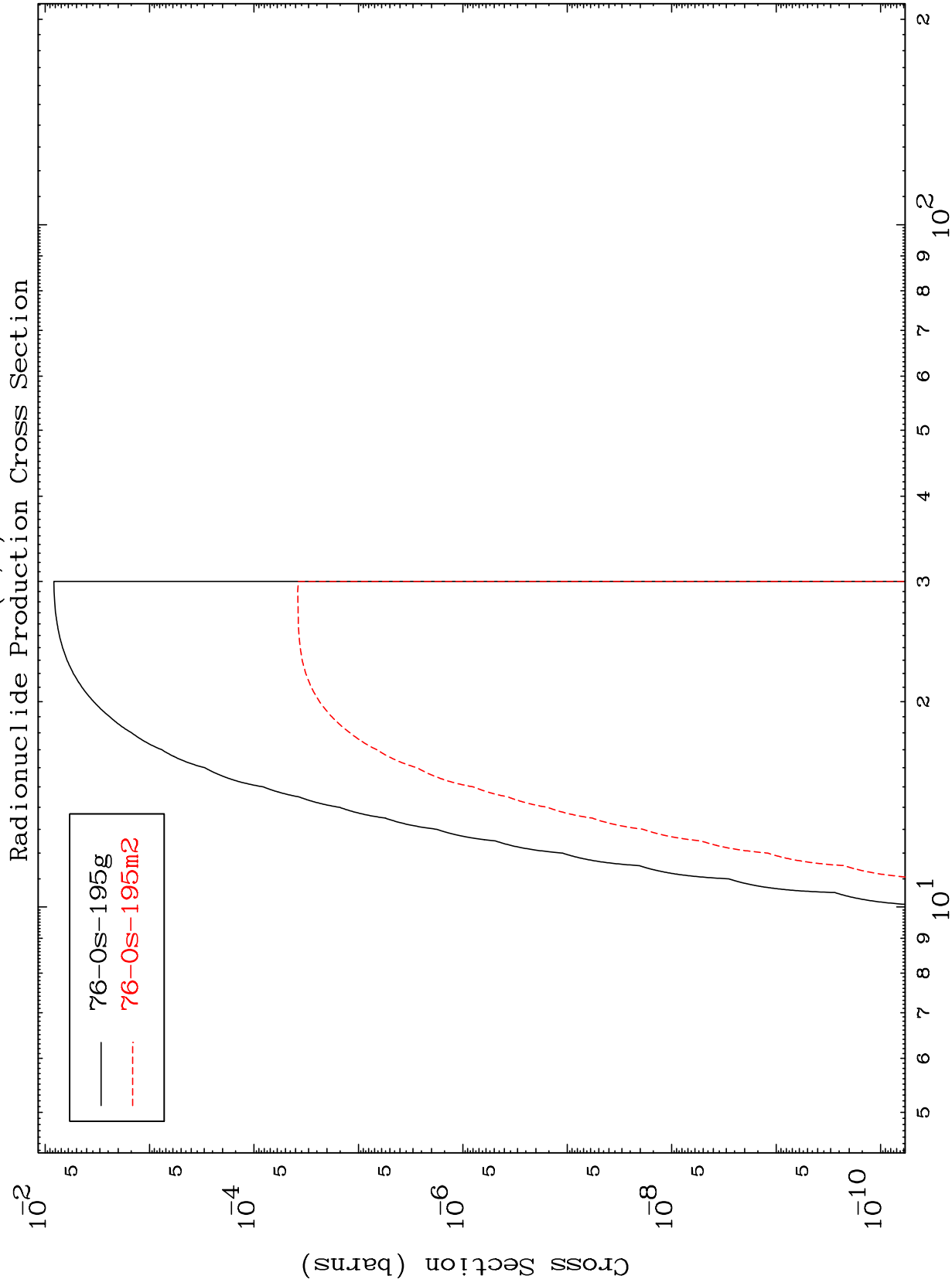


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77-Ir-196m

Radionuclide Production Cross Section

(n,d)



Incident Energy (MeV)

77-Ir-196m

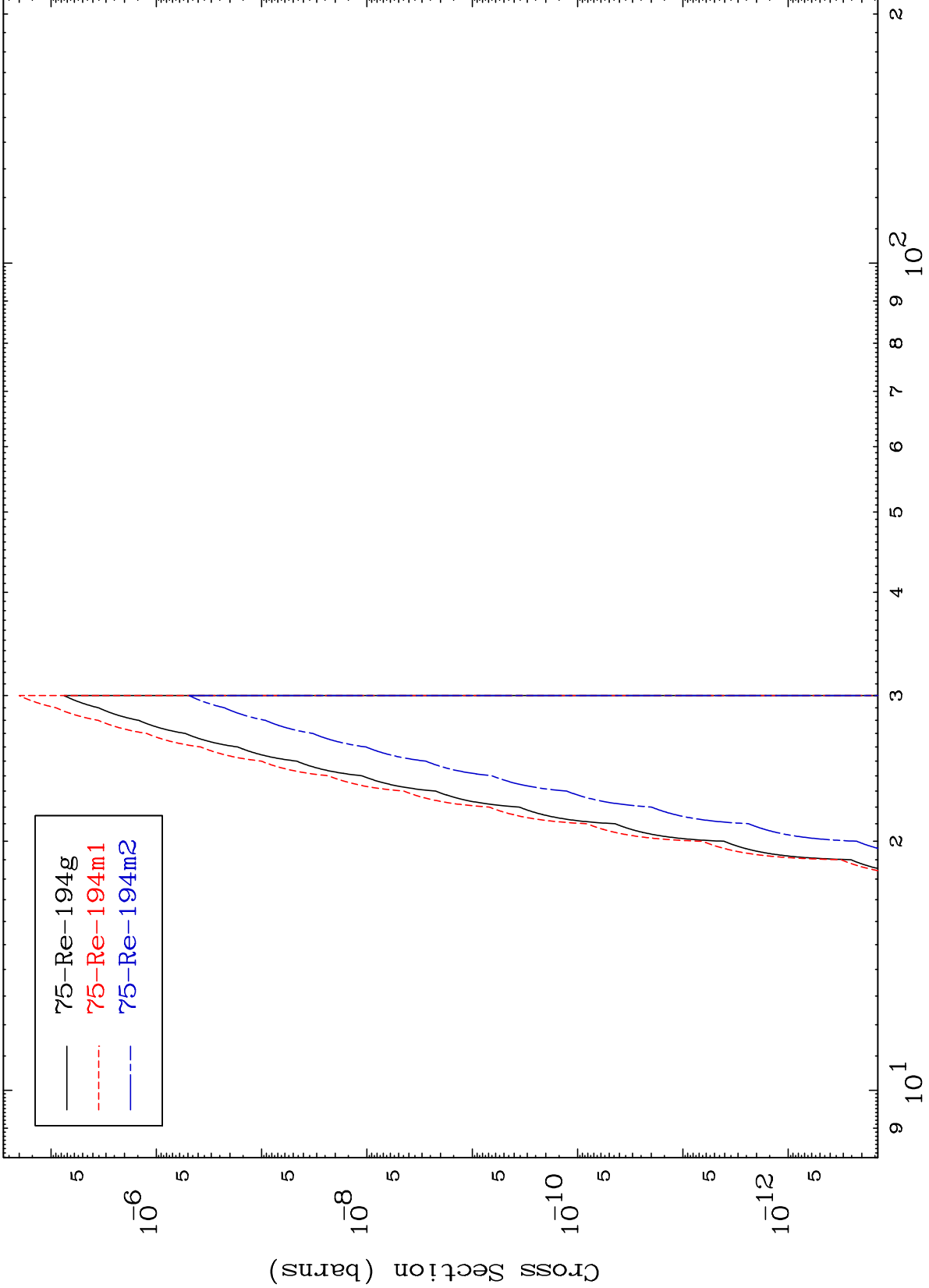
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(n,He-3)

77-Ir-196m

Radionuclide Production Cross Section



75-Re-194g
75-Re-194m1
75-Re-194m2

30

Incident Energy (MeV)

77-Ir-196m