

Program EVALPLOT
(Version 2015-2)

by

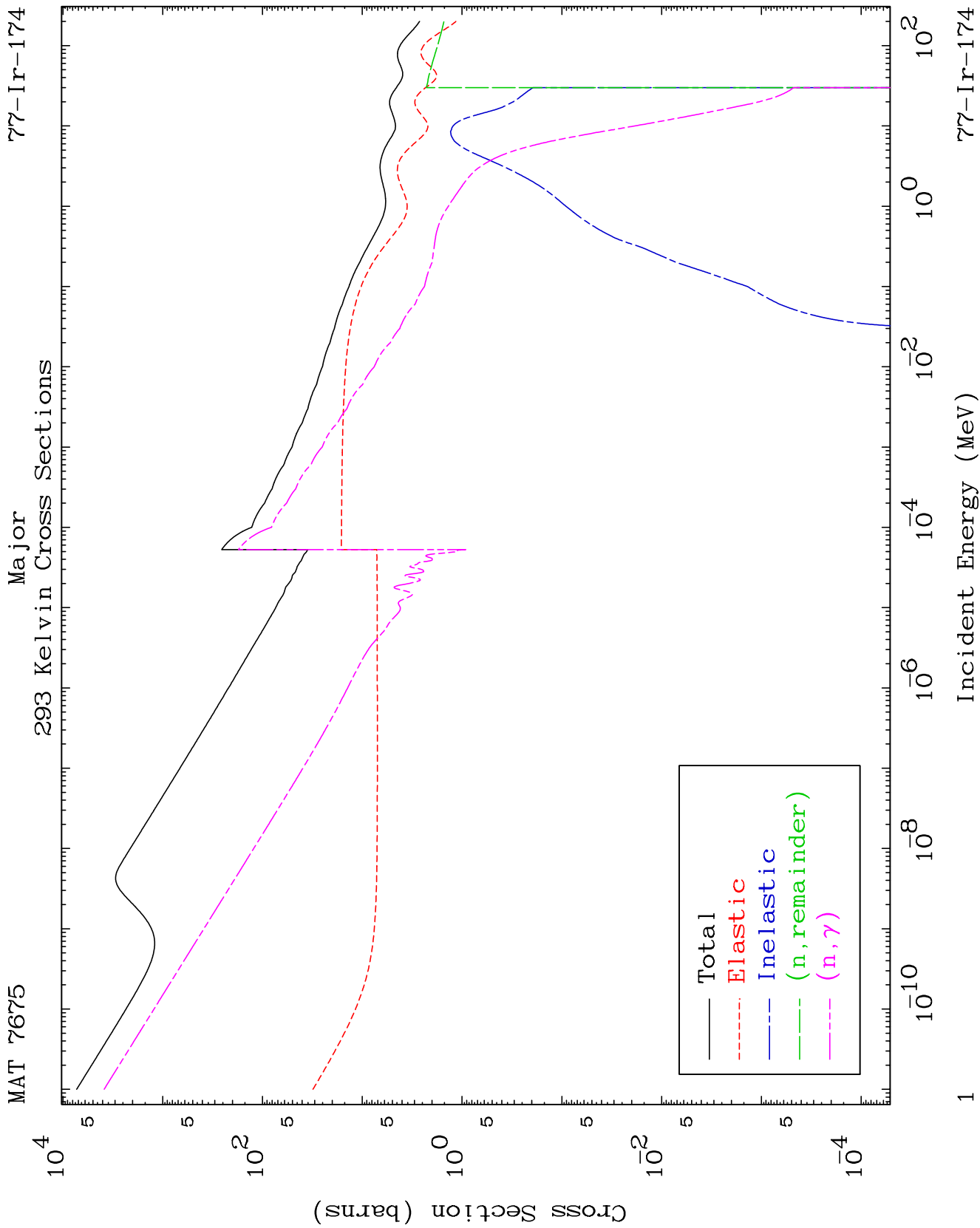
Dermott E. Cullen
(Present Contact Information)

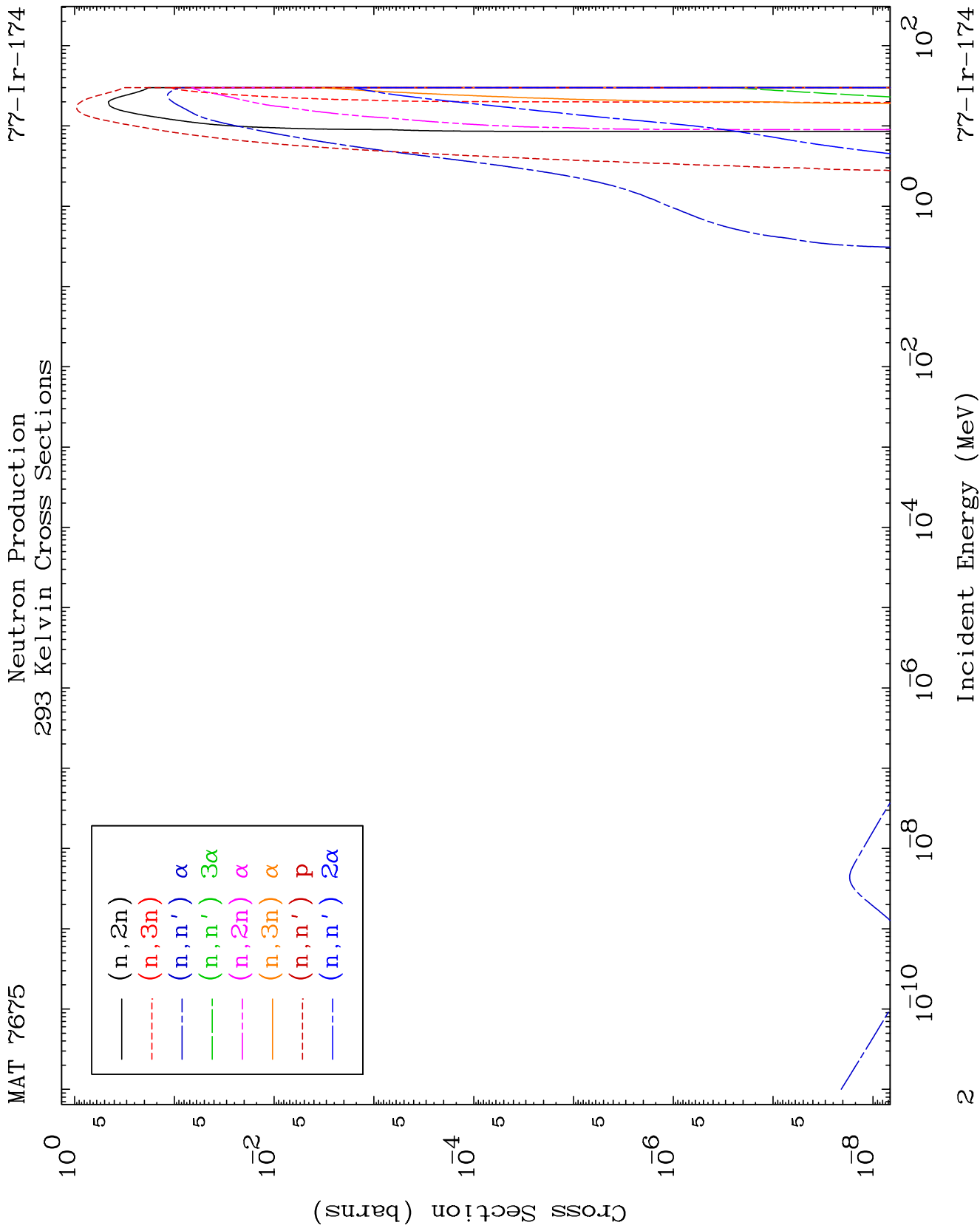
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Press Mouse Button to Start



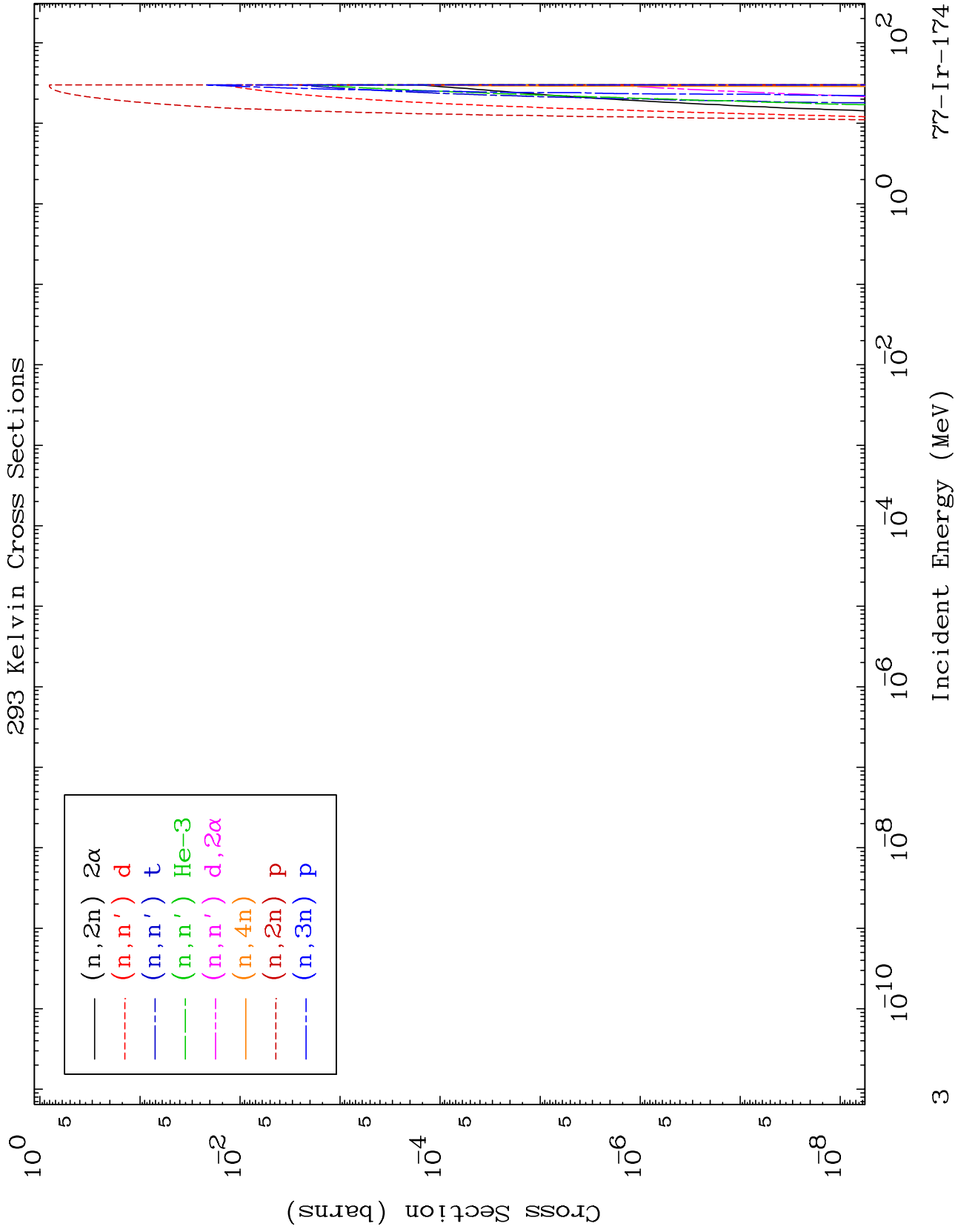


MAT 7675

MAT 7675

Neutron Production
293 Kelvin Cross Sections

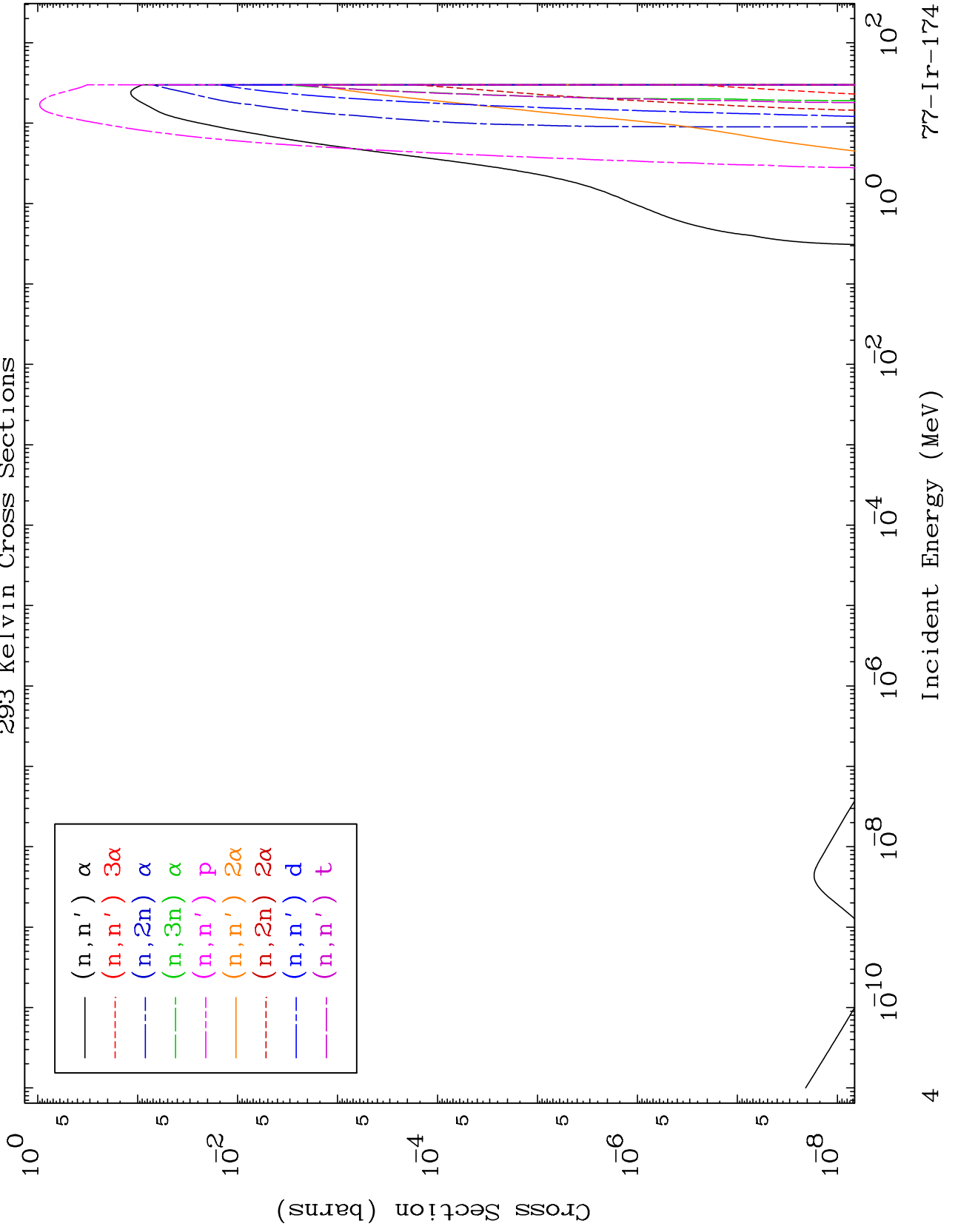
77-Ir-174



MAT 7675

Charged Particle
293 Kelvin Cross Sections

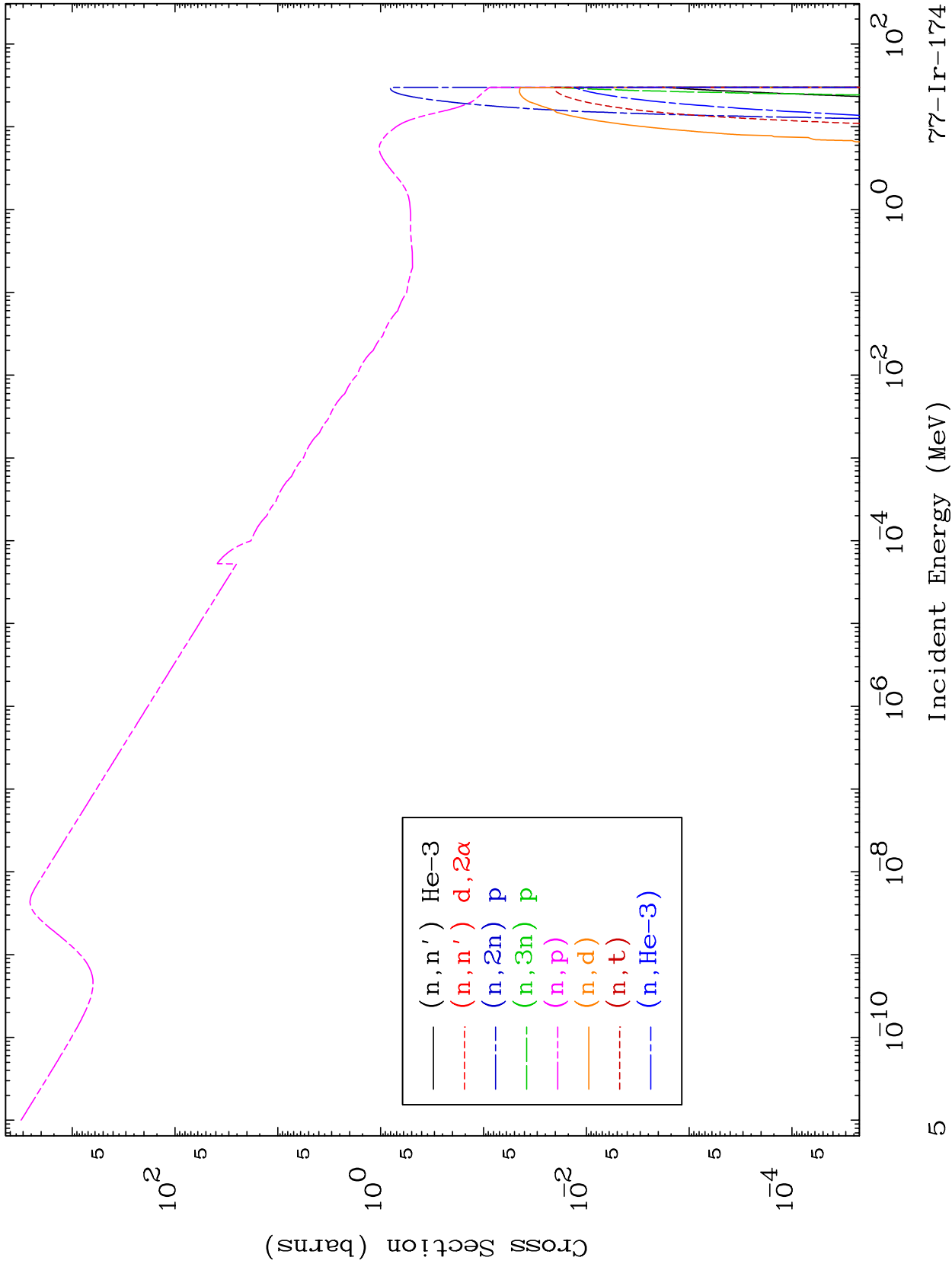
77-Ir-174



MAT 7675

Charged Particle
293 Kelvin Cross Sections

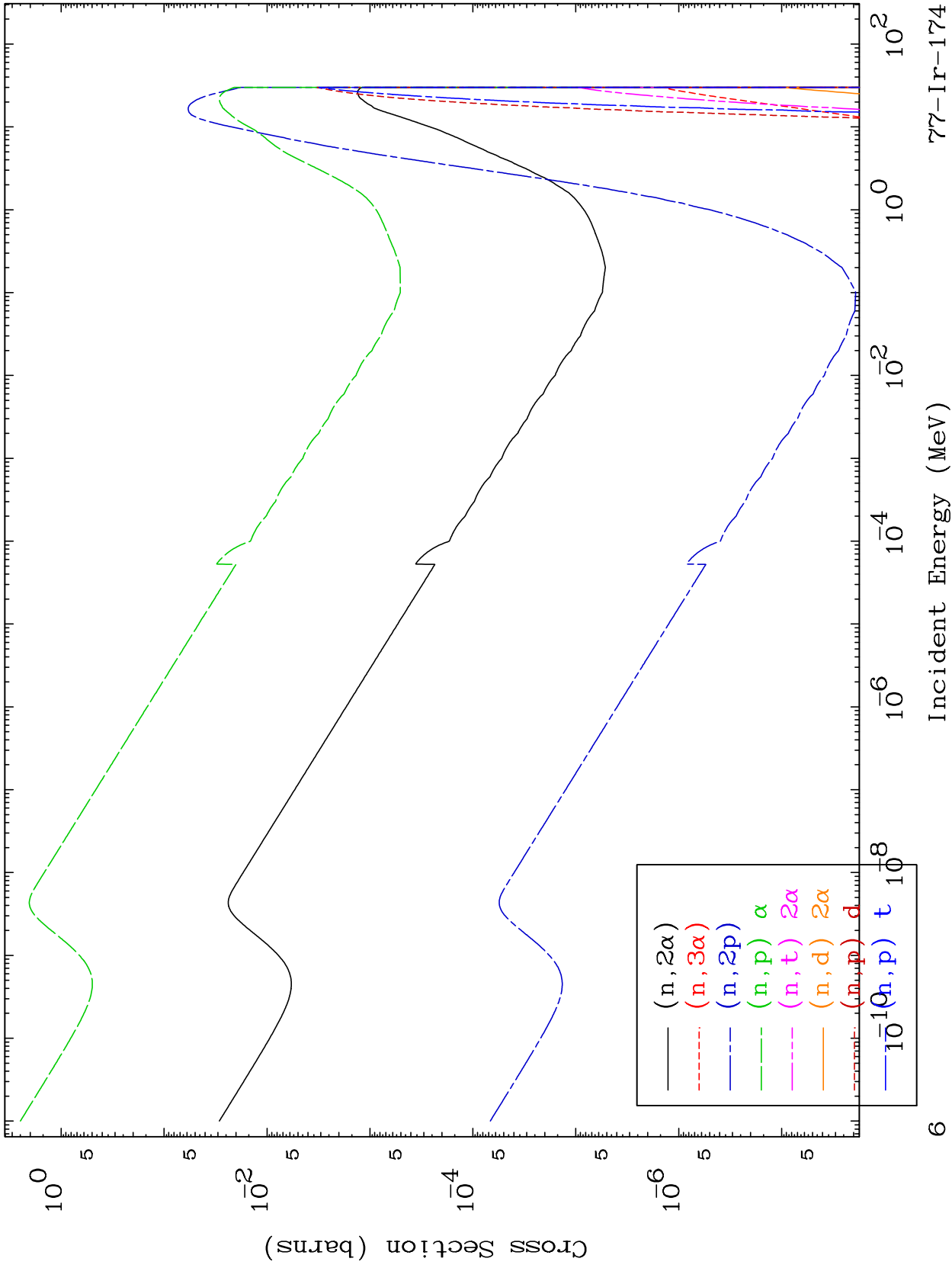
77-Ir-174



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Charged Particle
293 Kelvin Cross Sections

77-Ir-174



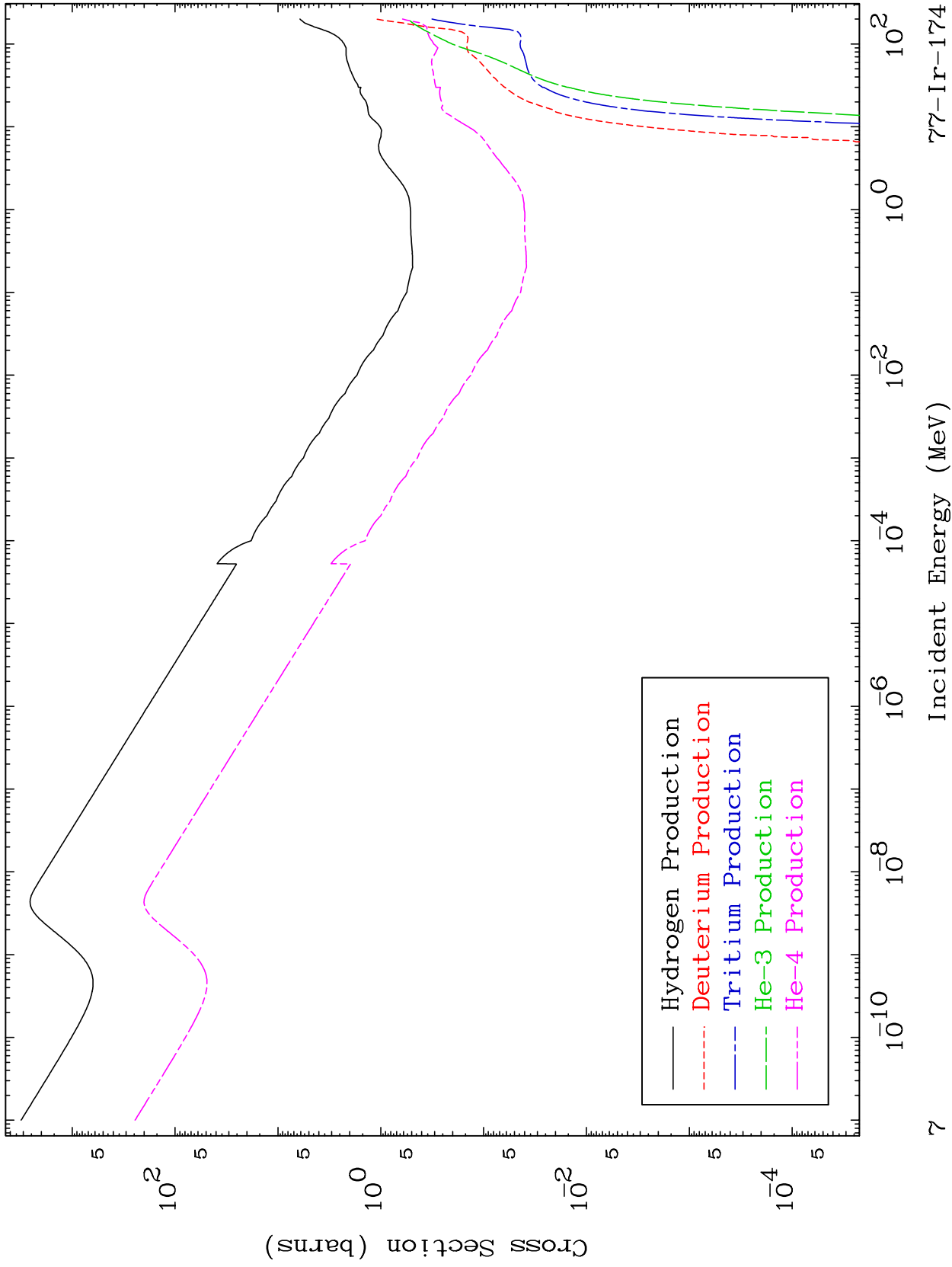
Incident Energy (MeV)

77-Ir-174

MAT 7675

Particle Production
293 Kelvin Cross Sections

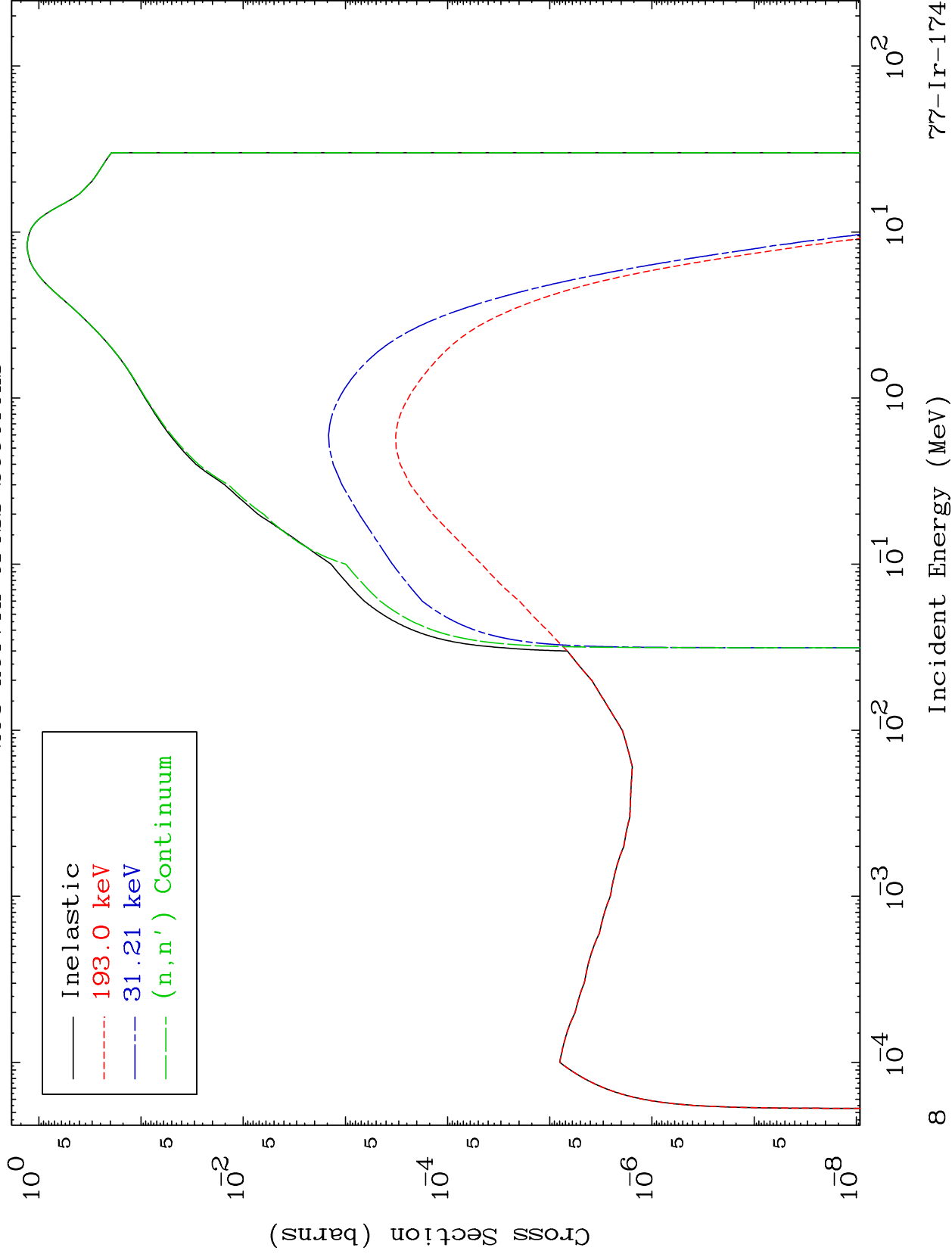
77-Ir-174



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293 Kelvin Cross Sections
(n,n') Level

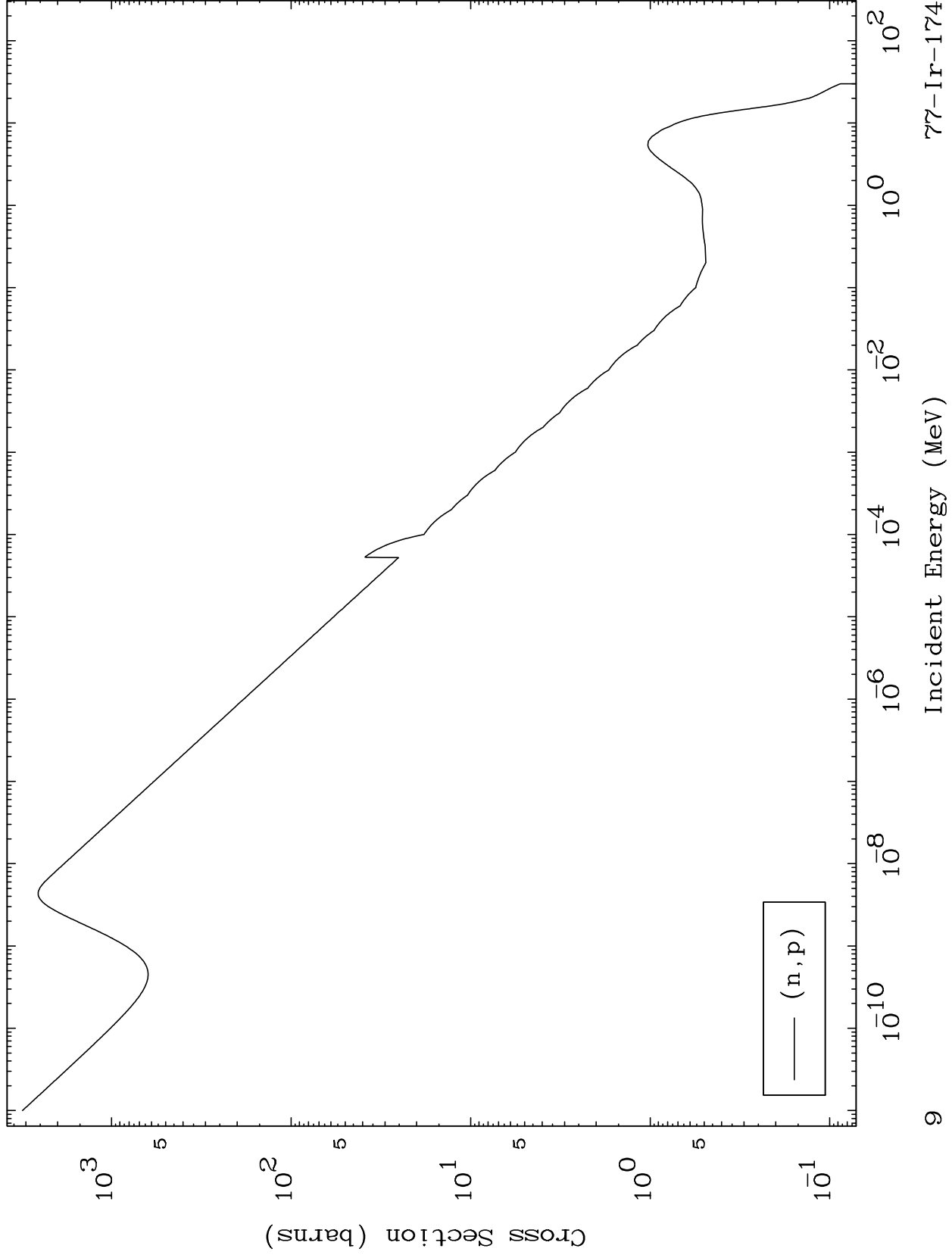
77-Ir-174



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(n,p) Levels
293 Kelvin Cross Sections

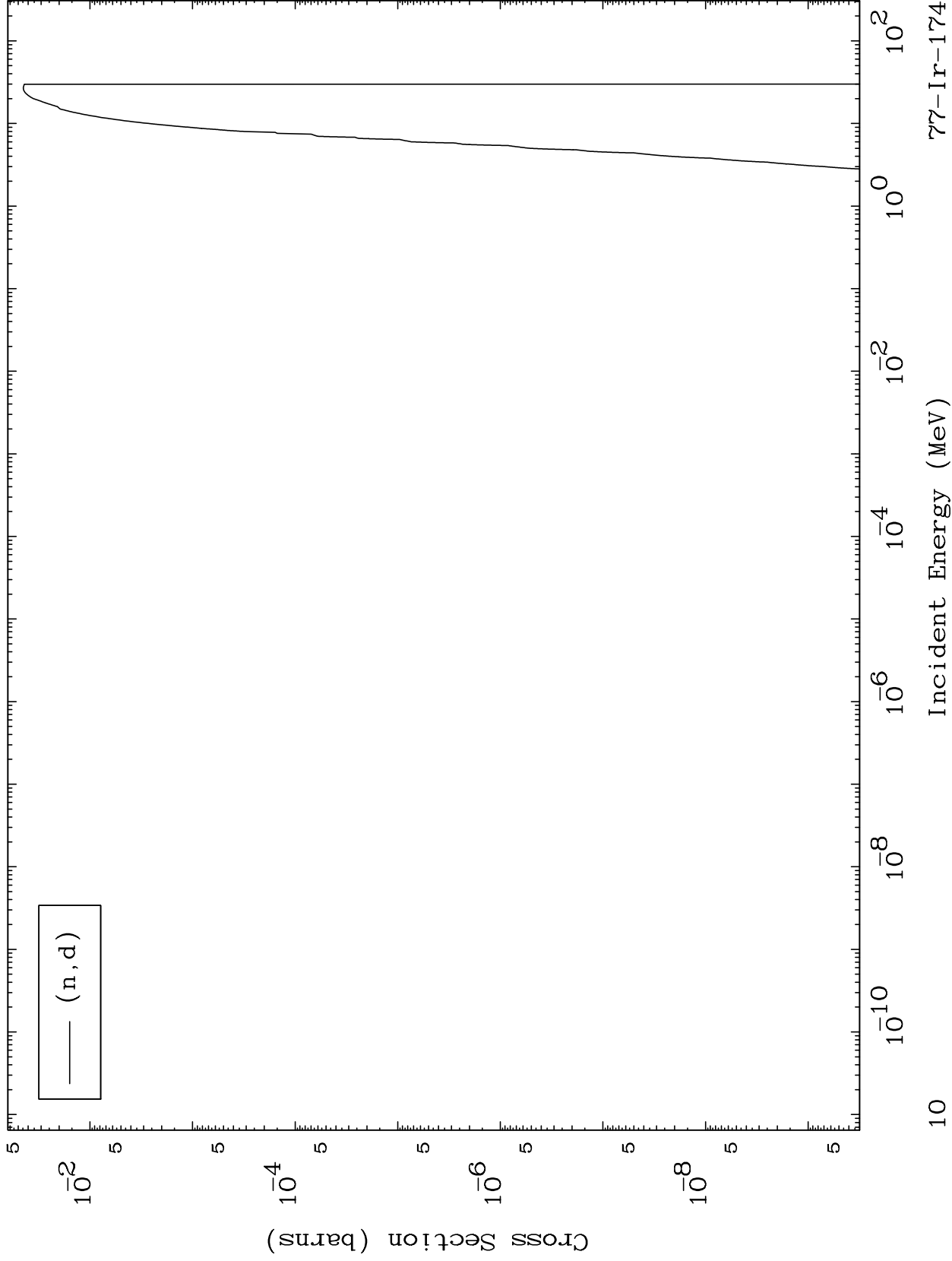
⁷⁷Ir-174



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(n,d) Levels
293 Kelvin Cross Sections

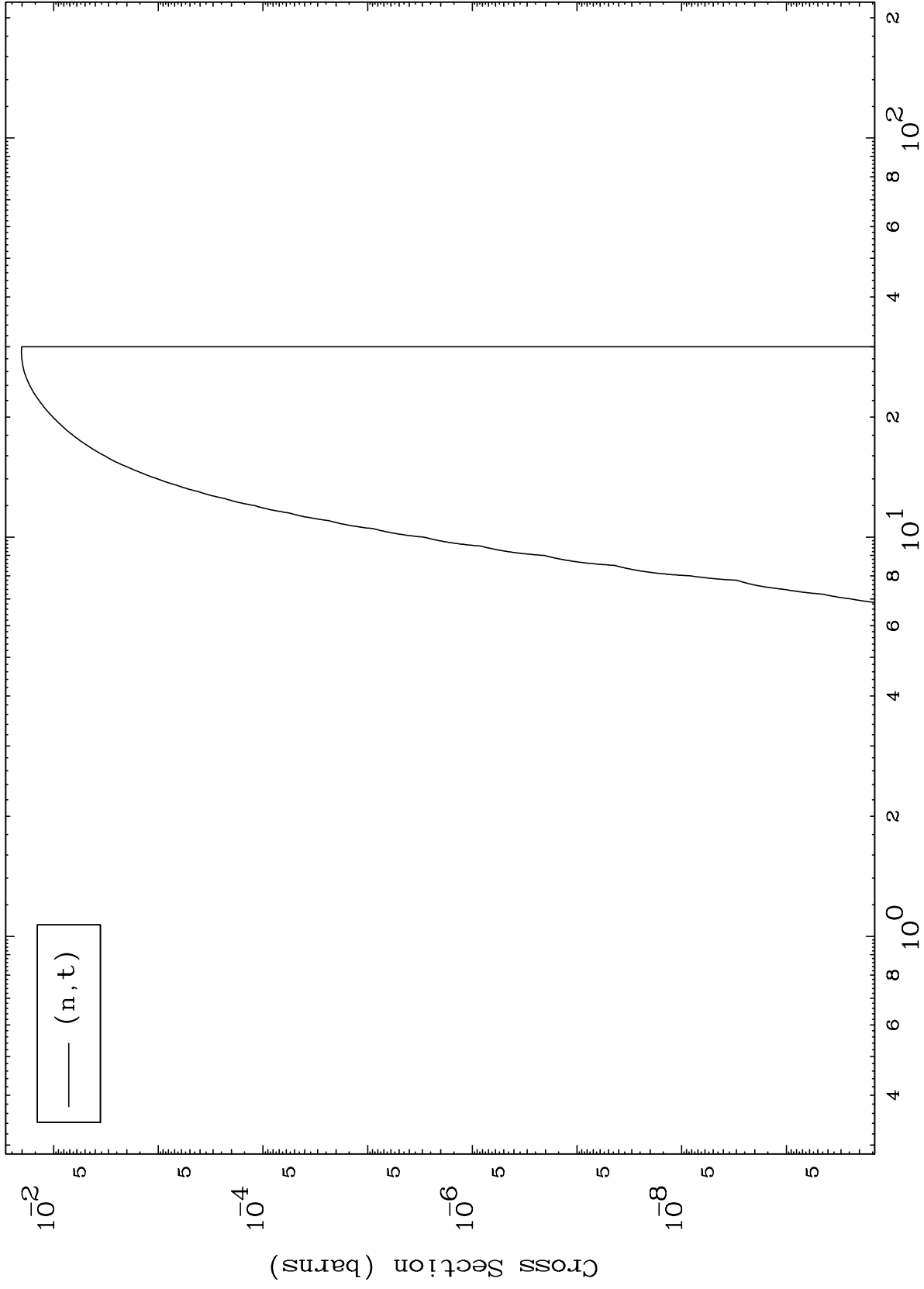
77-Ir-174



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(n,t) Levels
293 Kelvin Cross Sections

77-Ir-174



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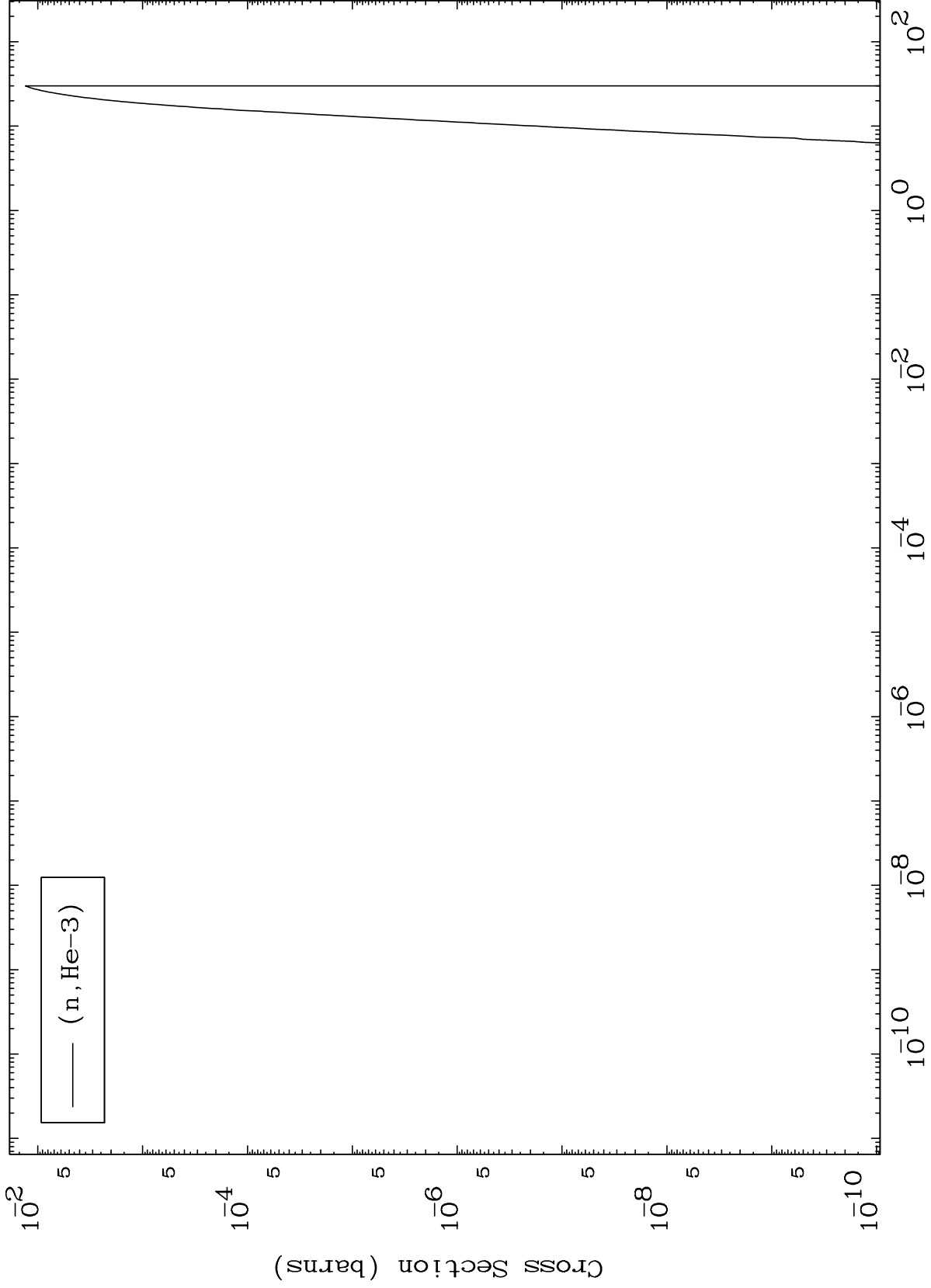
Incident Energy (MeV)

77-Ir-174

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(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-174



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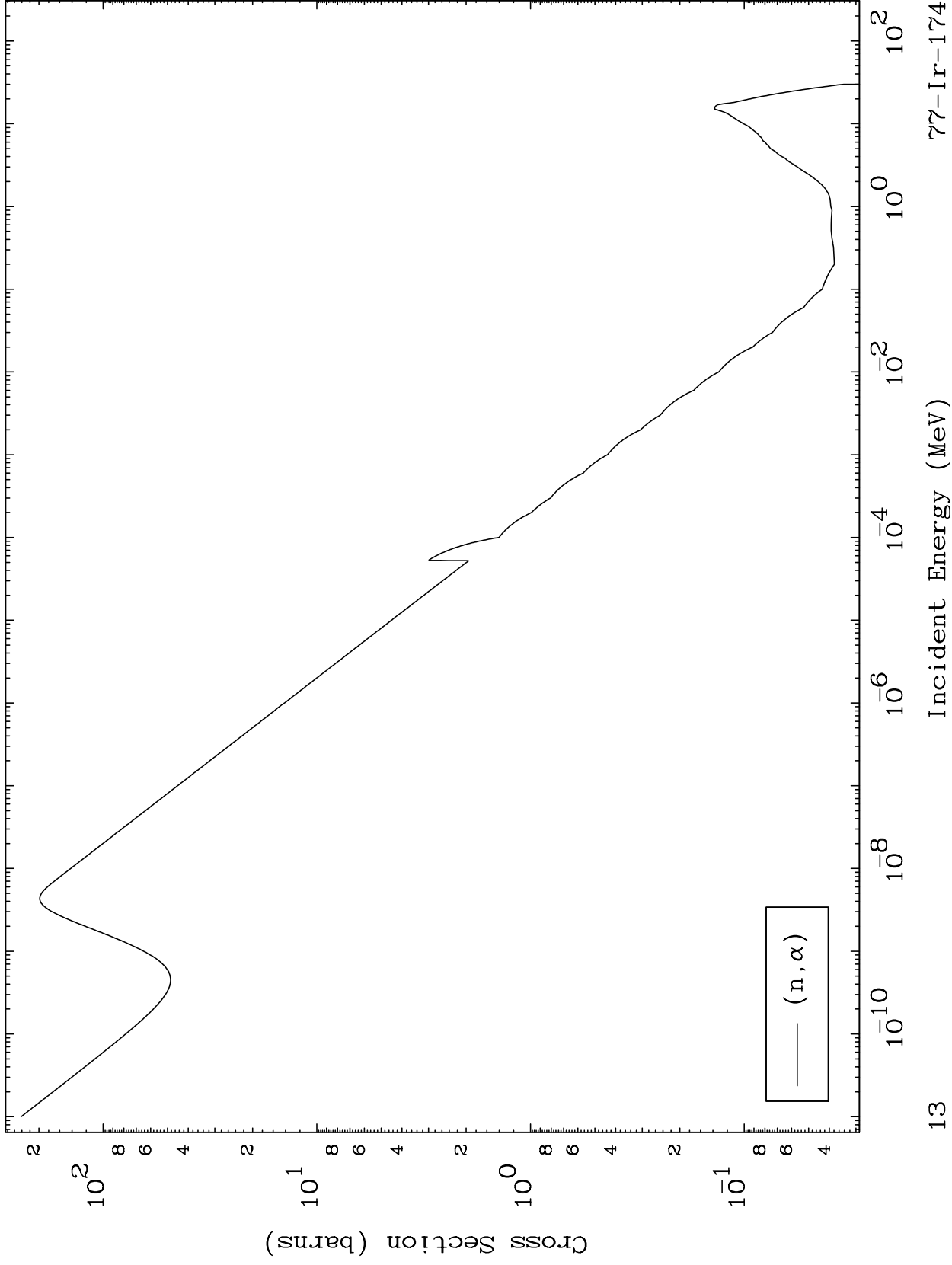
Incident Energy (MeV)

77-Ir-174

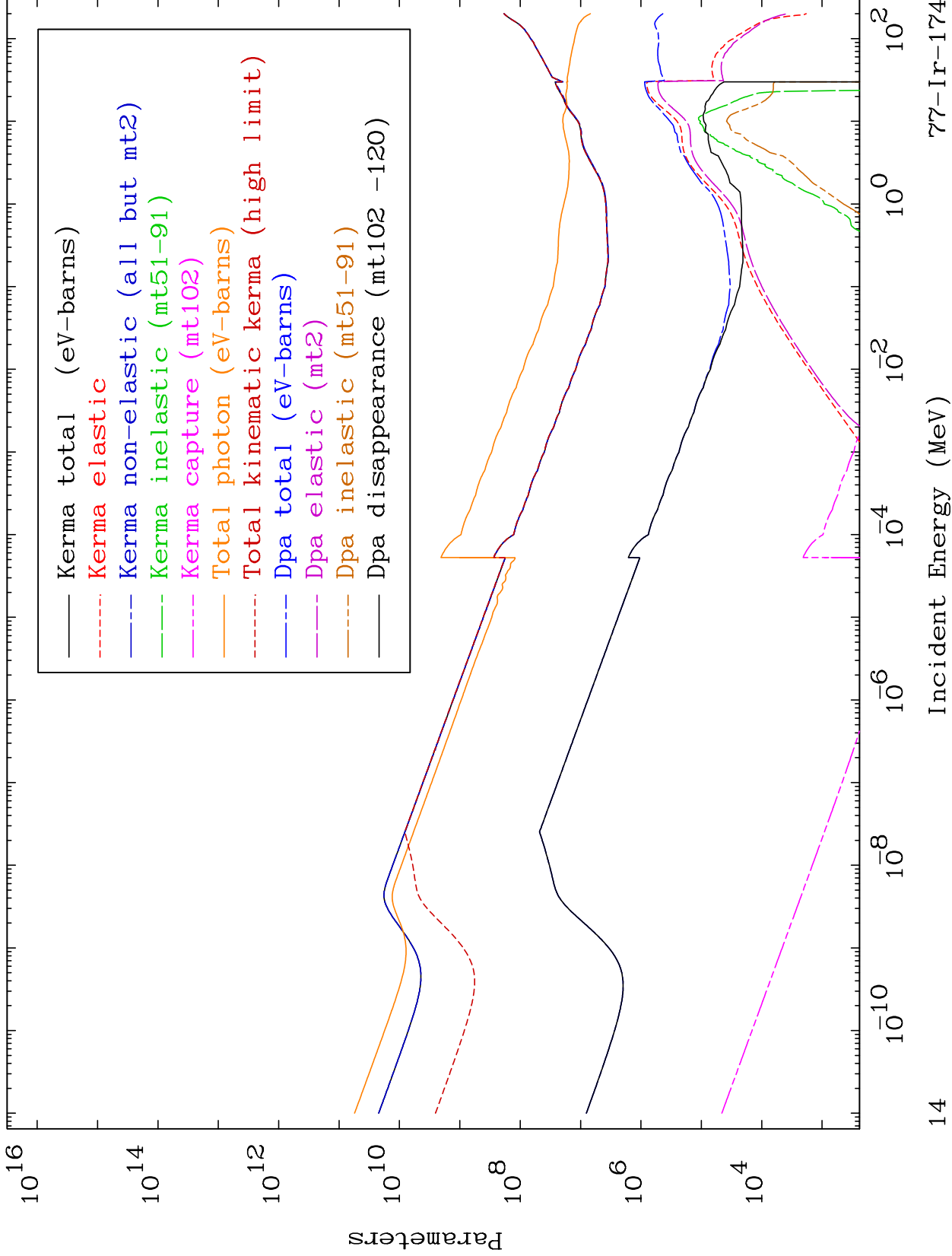
MAT 7675

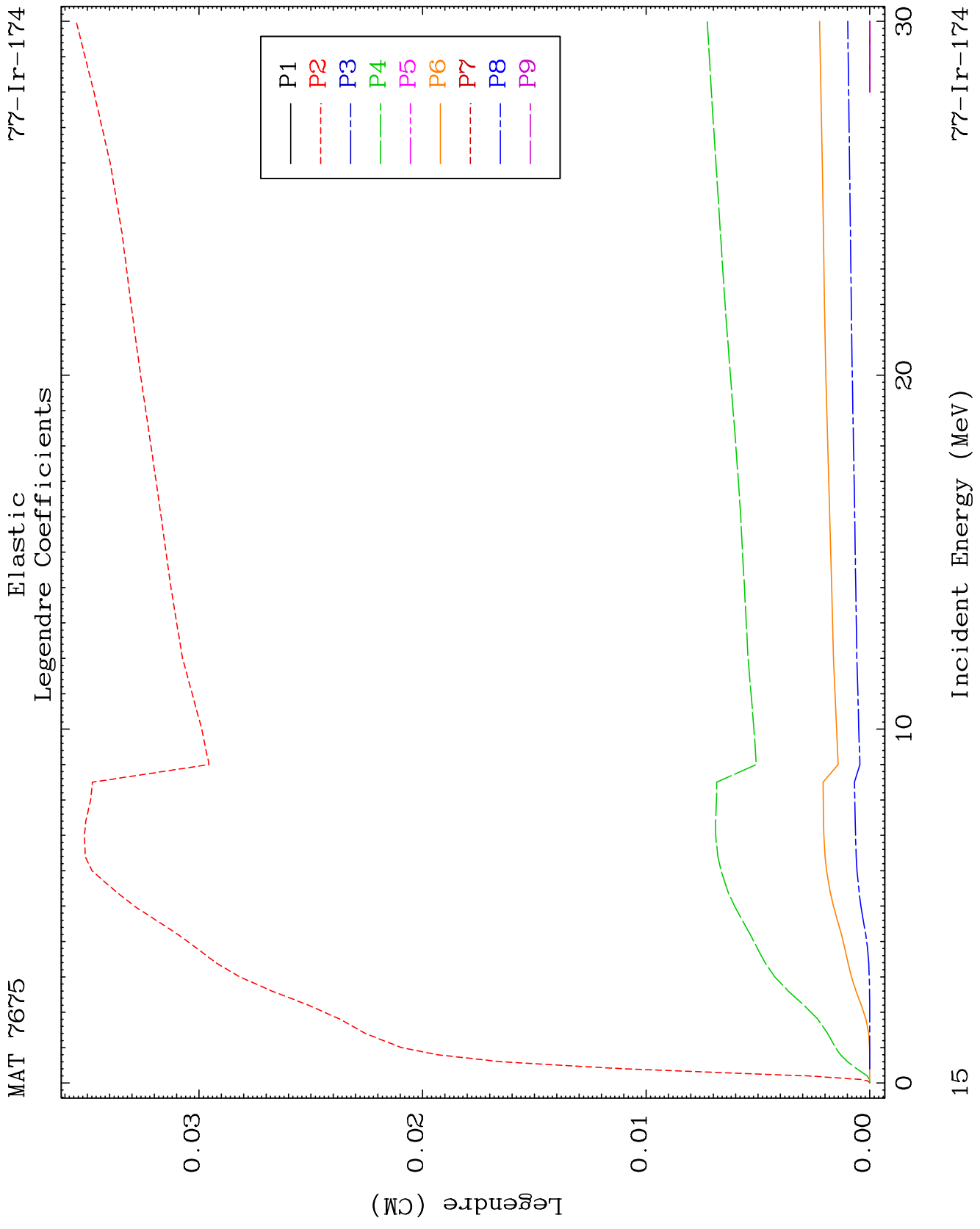
(n,α) Levels
293 Kelvin Cross Sections

77-Ir-174



77-Ir-174

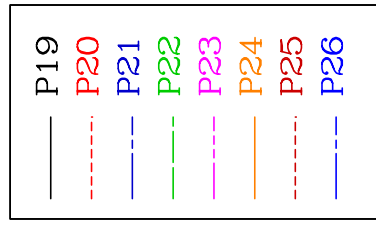




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Elastic
Legendre Coefficients

77-Ir-174



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

25

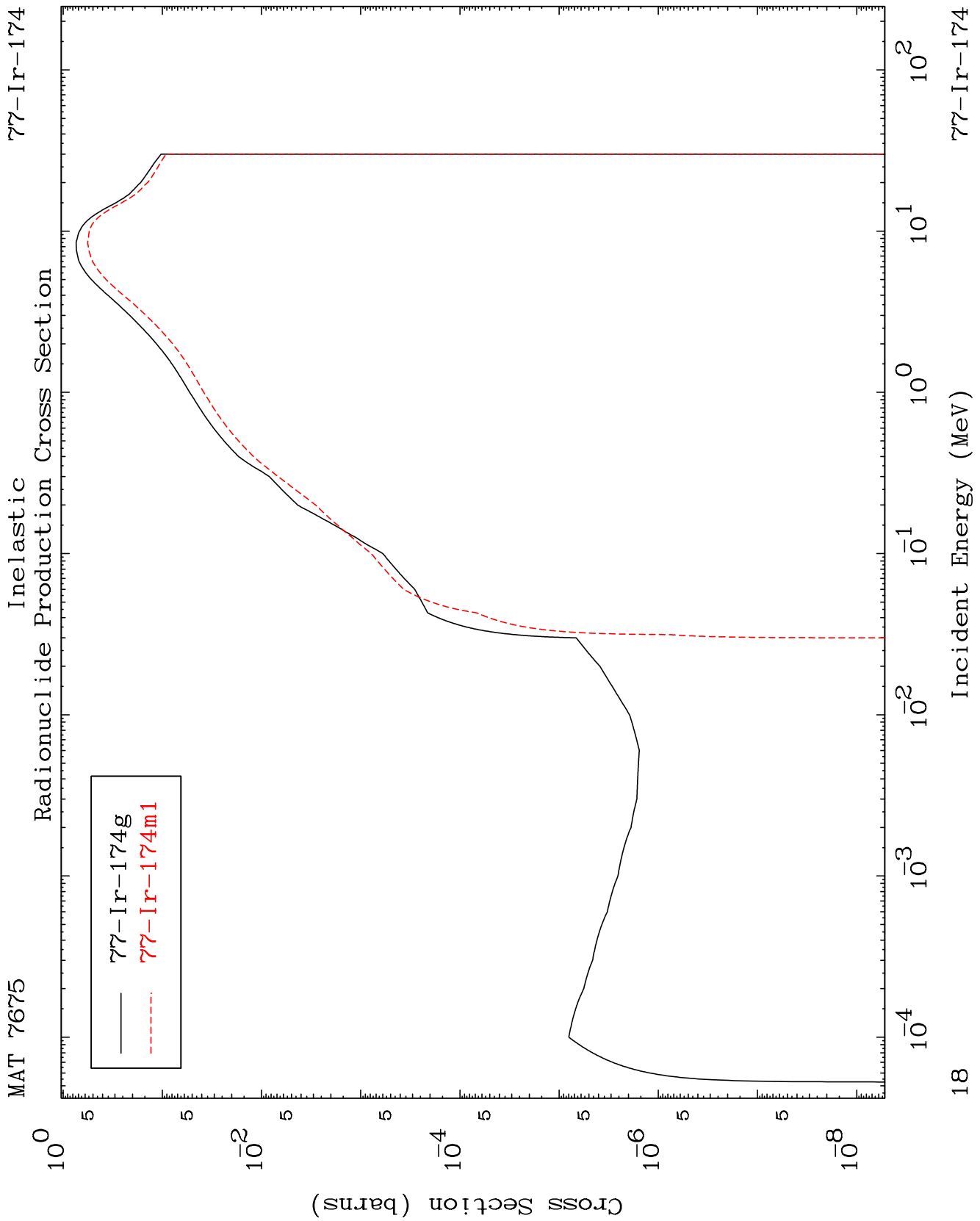
30

17

Incident Energy (MeV)

77-Ir-174



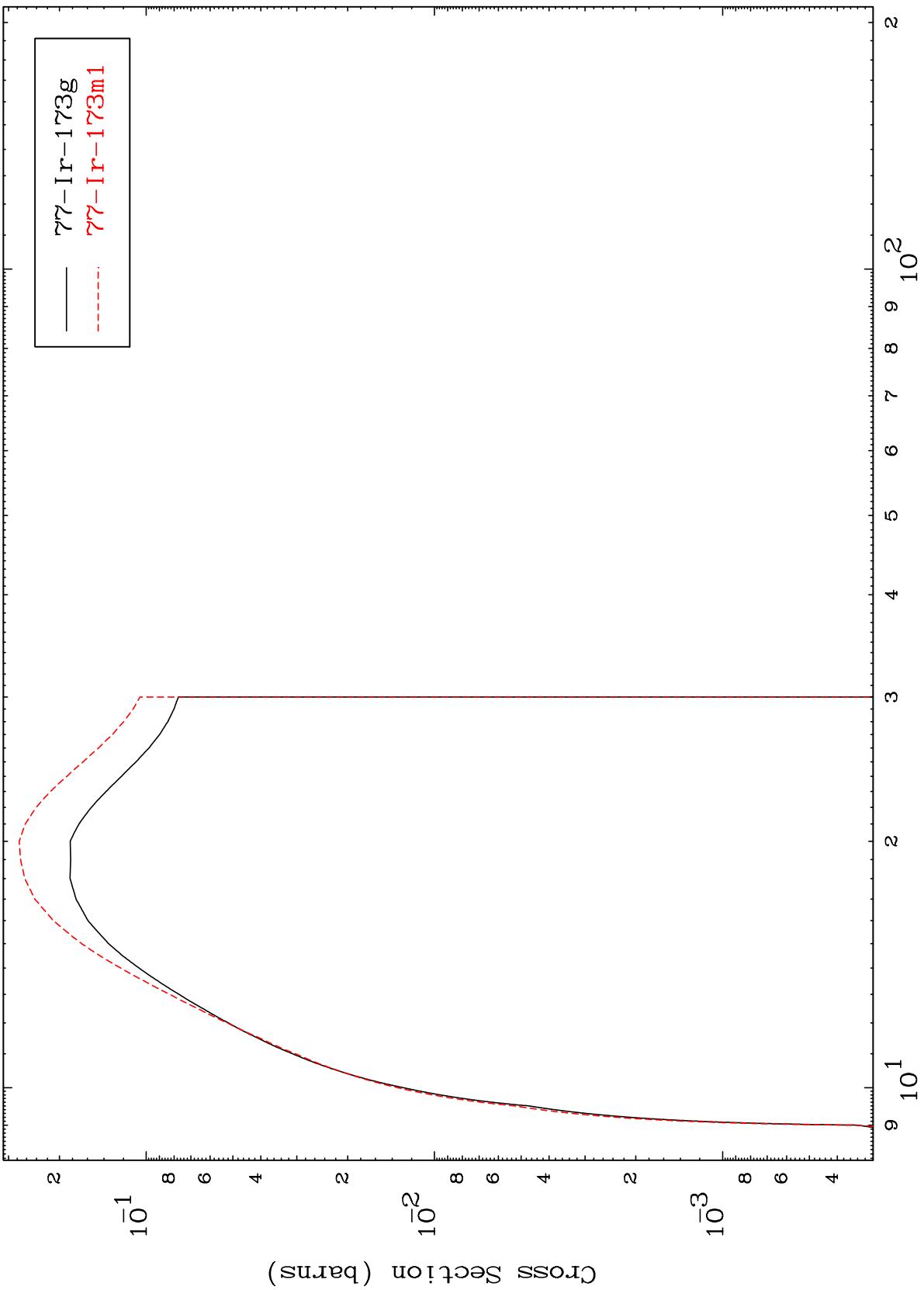


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77-Ir-174

(n,2n)

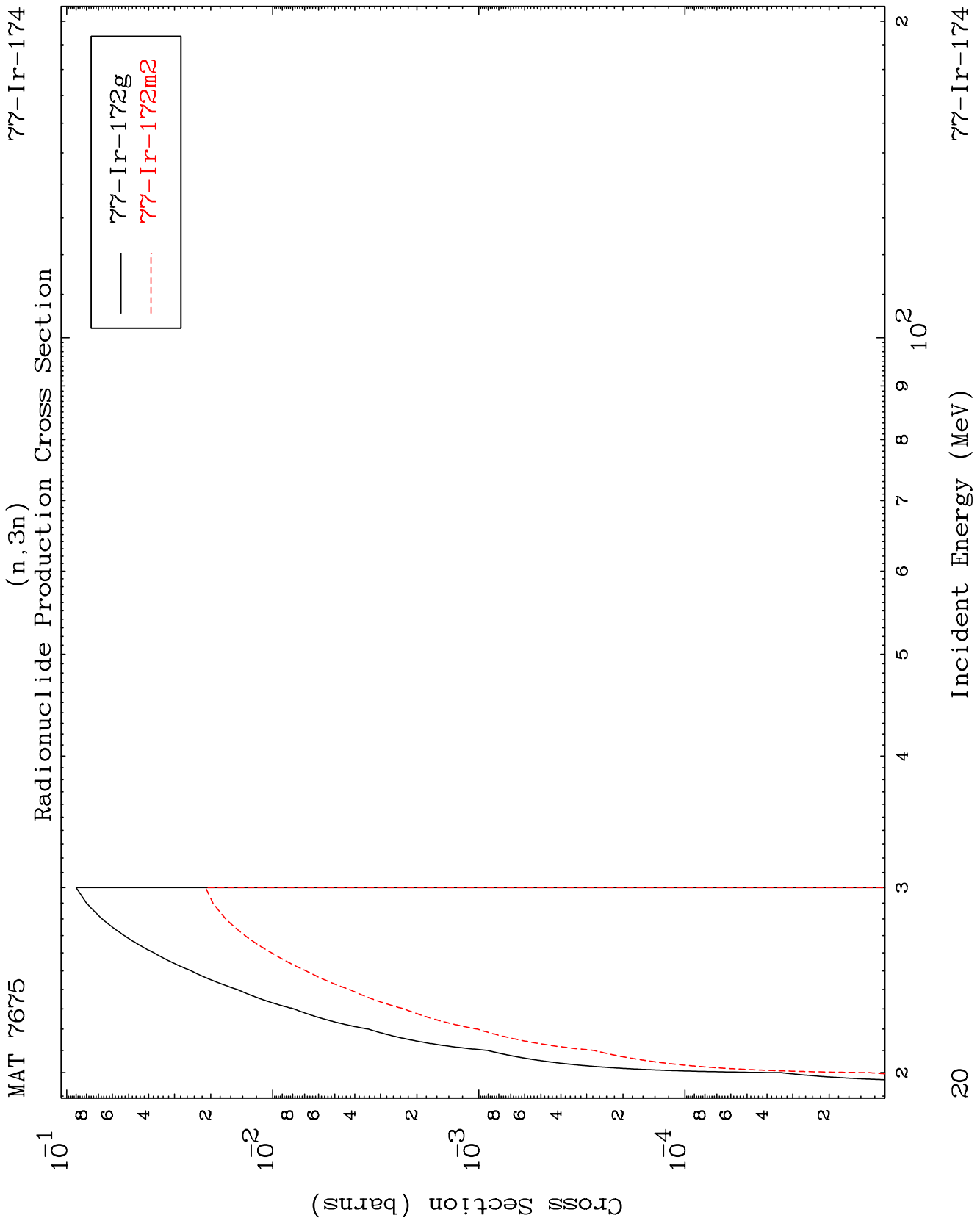
Radionuclide Production Cross Section



19

Incident Energy (MeV)

77-Ir-174

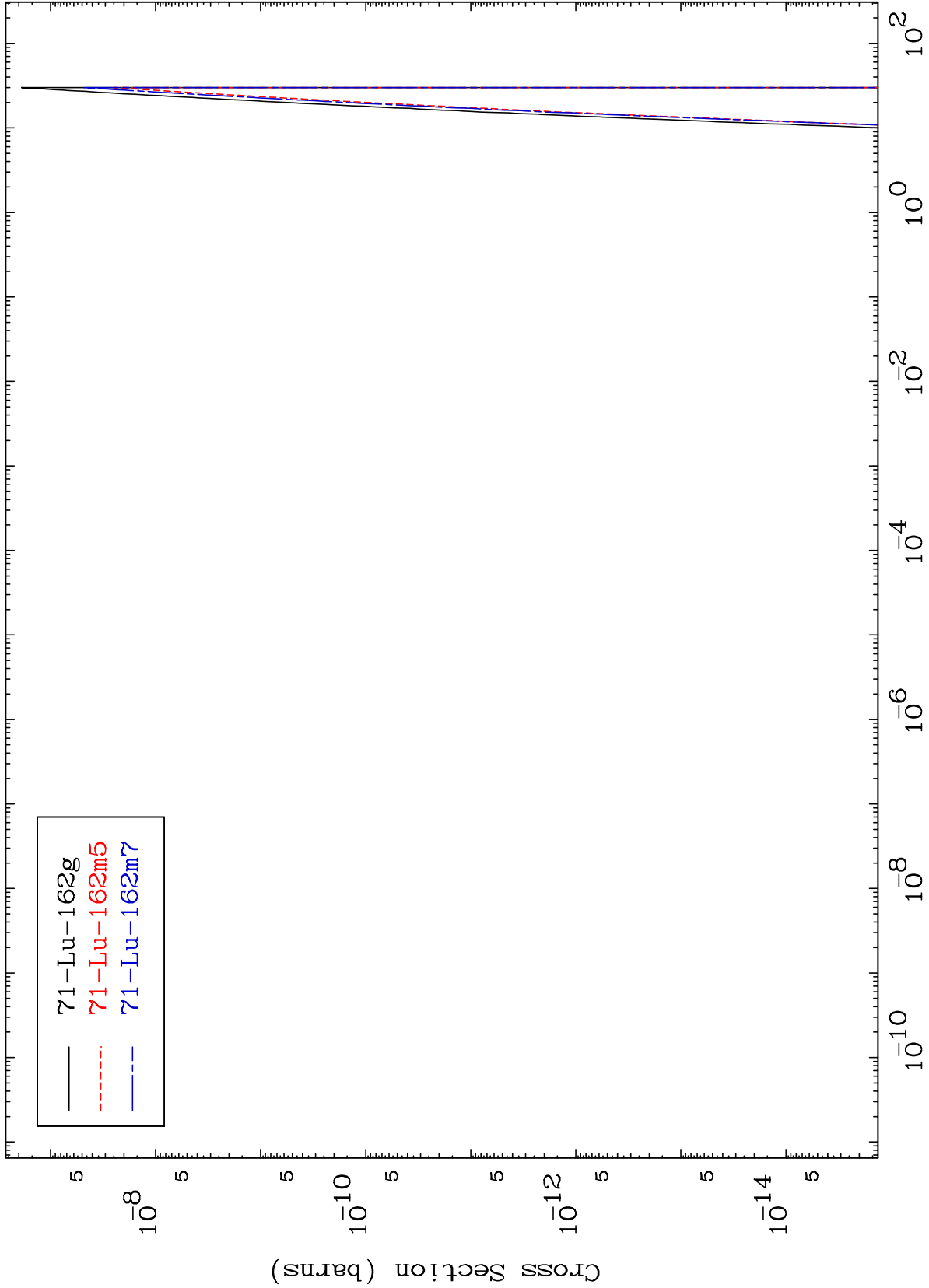


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(n,n') 3 α

⁷⁷Ir-174

Radionuclide Production Cross Section

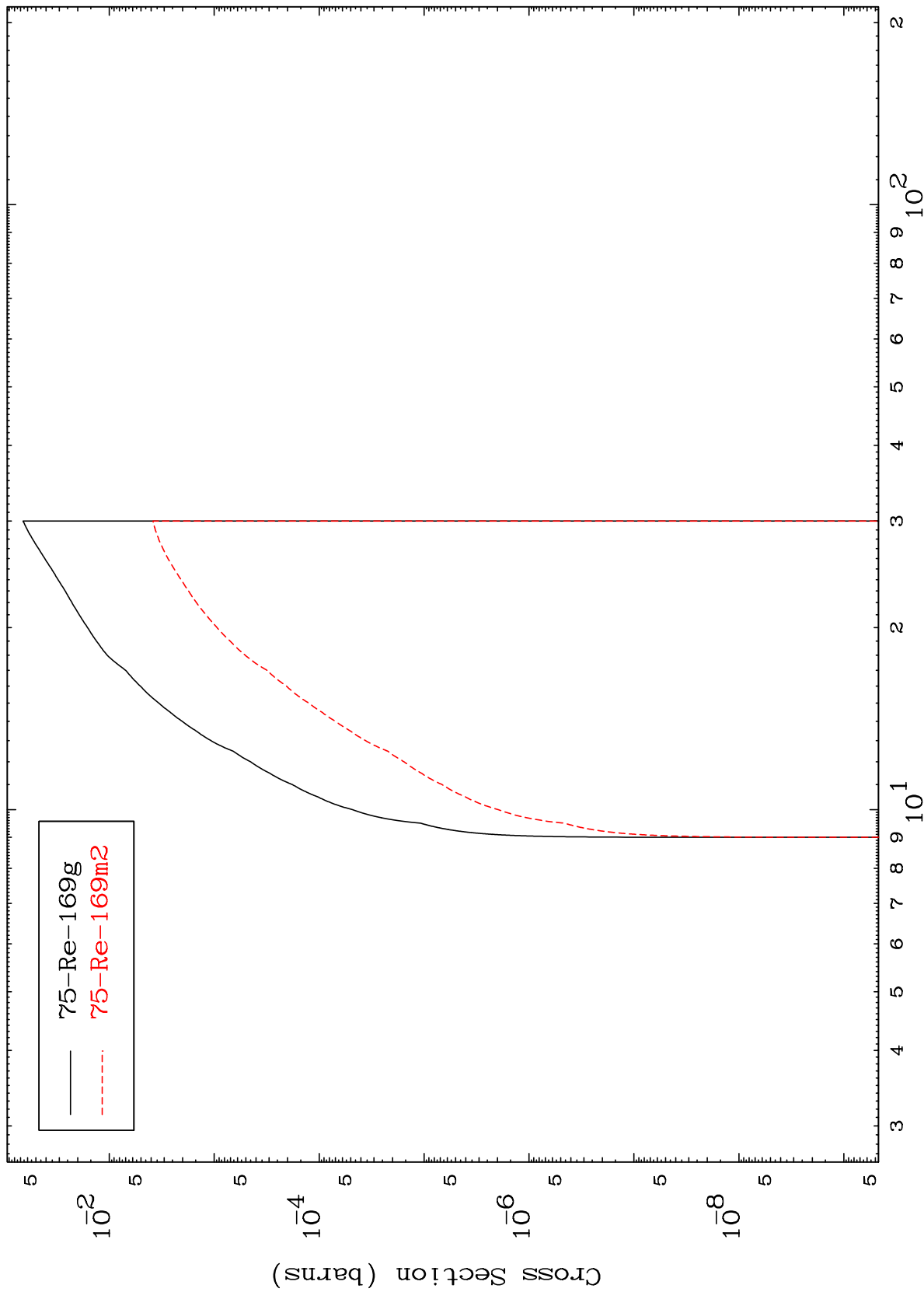


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$(n, 2n) \alpha$

$^{77}\text{Ir-174}$

Radionuclide Production Cross Section

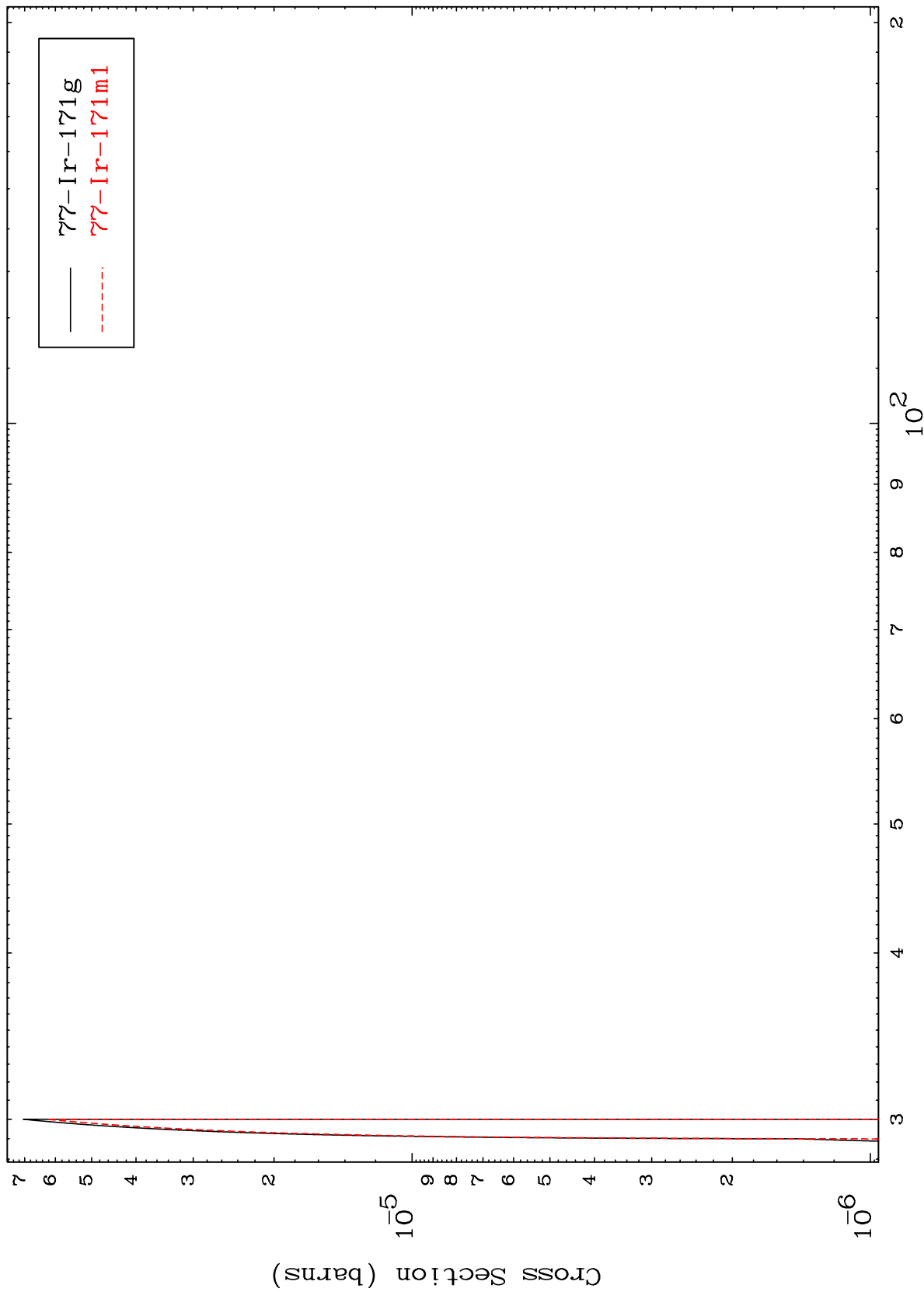


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⁷⁷Ir-174

(n,4n)

Radionuclide Production Cross Section



23

Incident Energy (MeV)

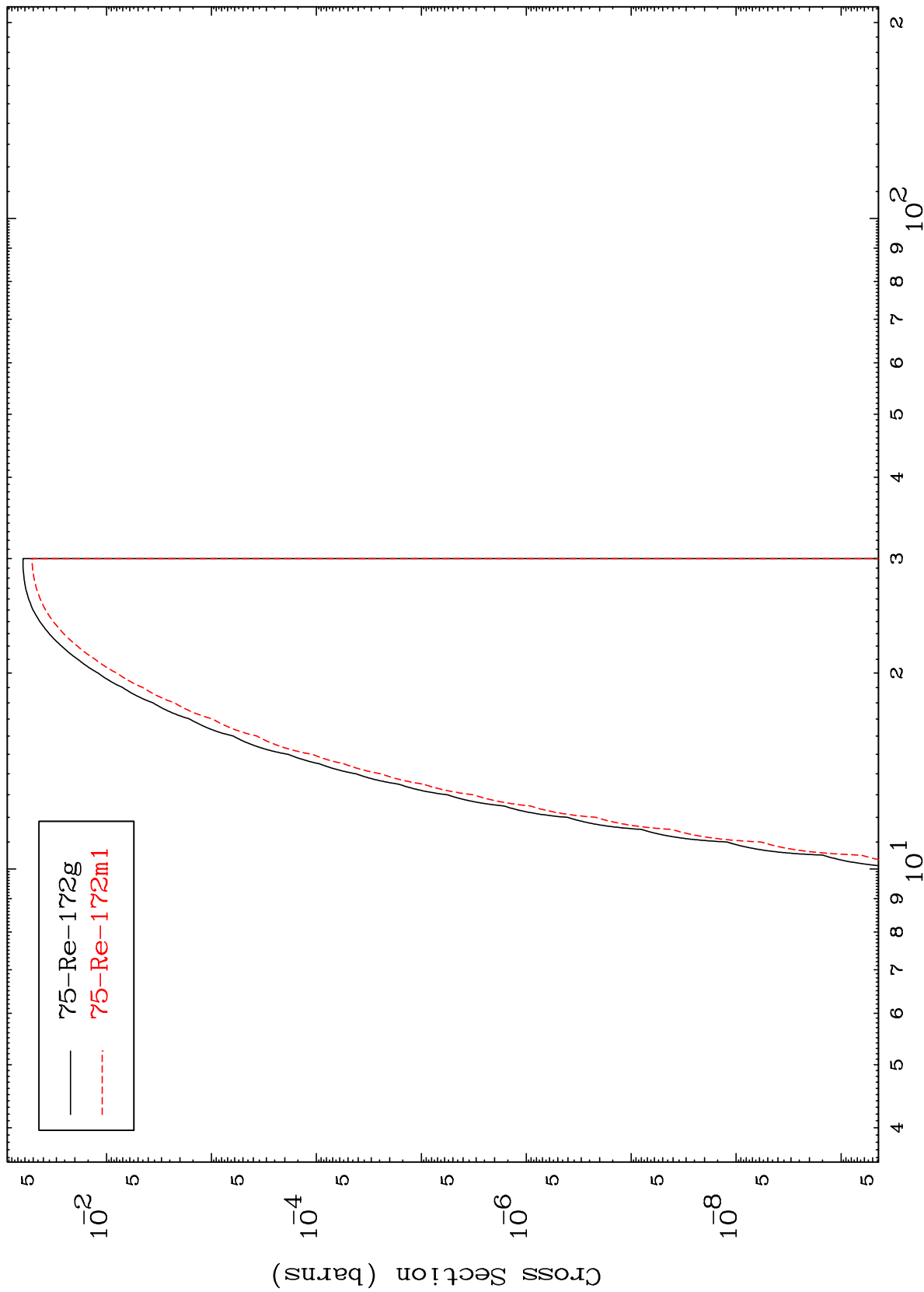
⁷⁷Ir-174

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(n,2n) p

77-Ir-174

Radionuclide Production Cross Section



24

Incident Energy (MeV)

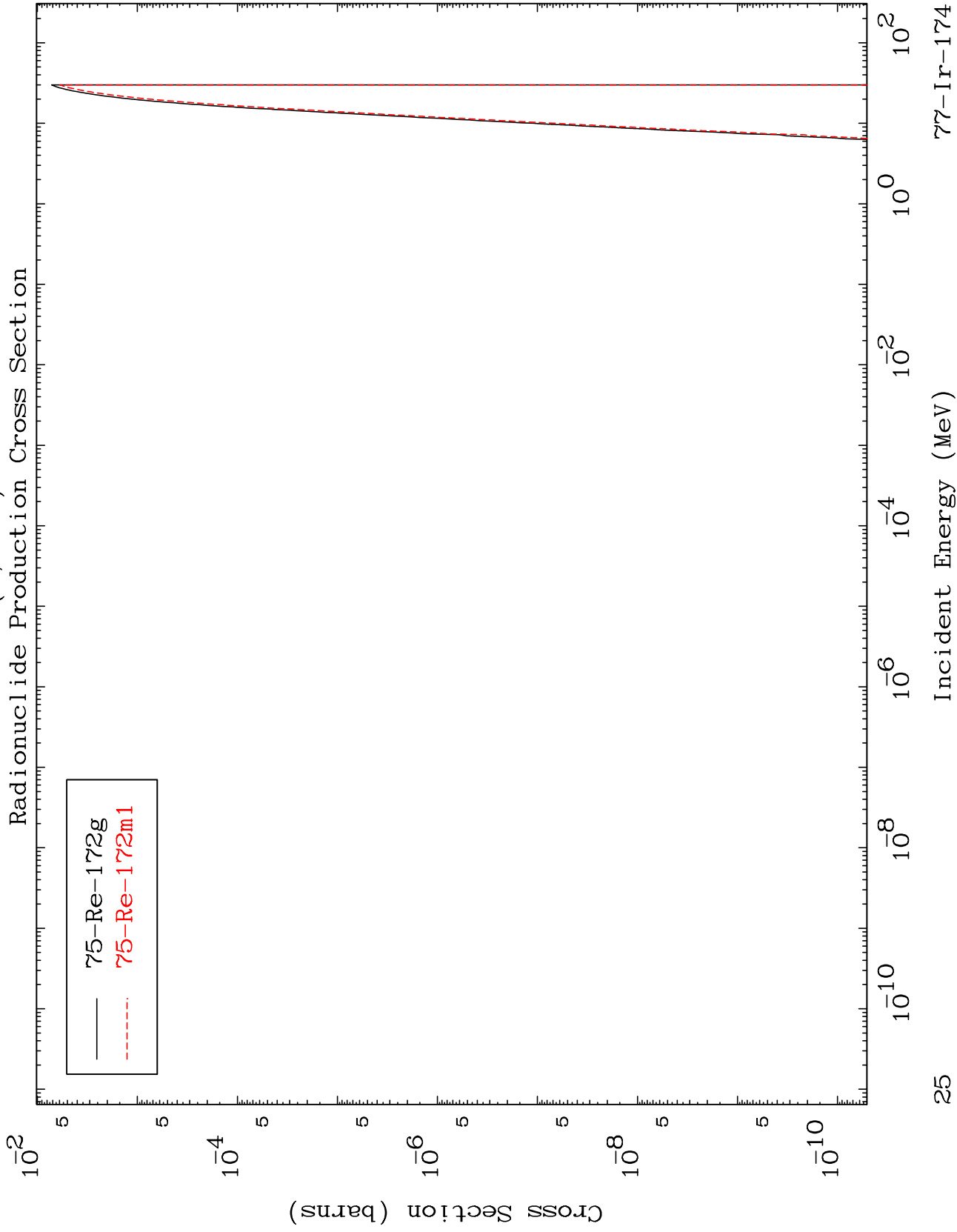
77-Ir-174

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(n,He-3)

⁷⁷Ir-174

Radionuclide Production Cross Section



MAT 7675

(n,p) d

⁷⁷Ir-174

Radionuclide Production Cross Section

