

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

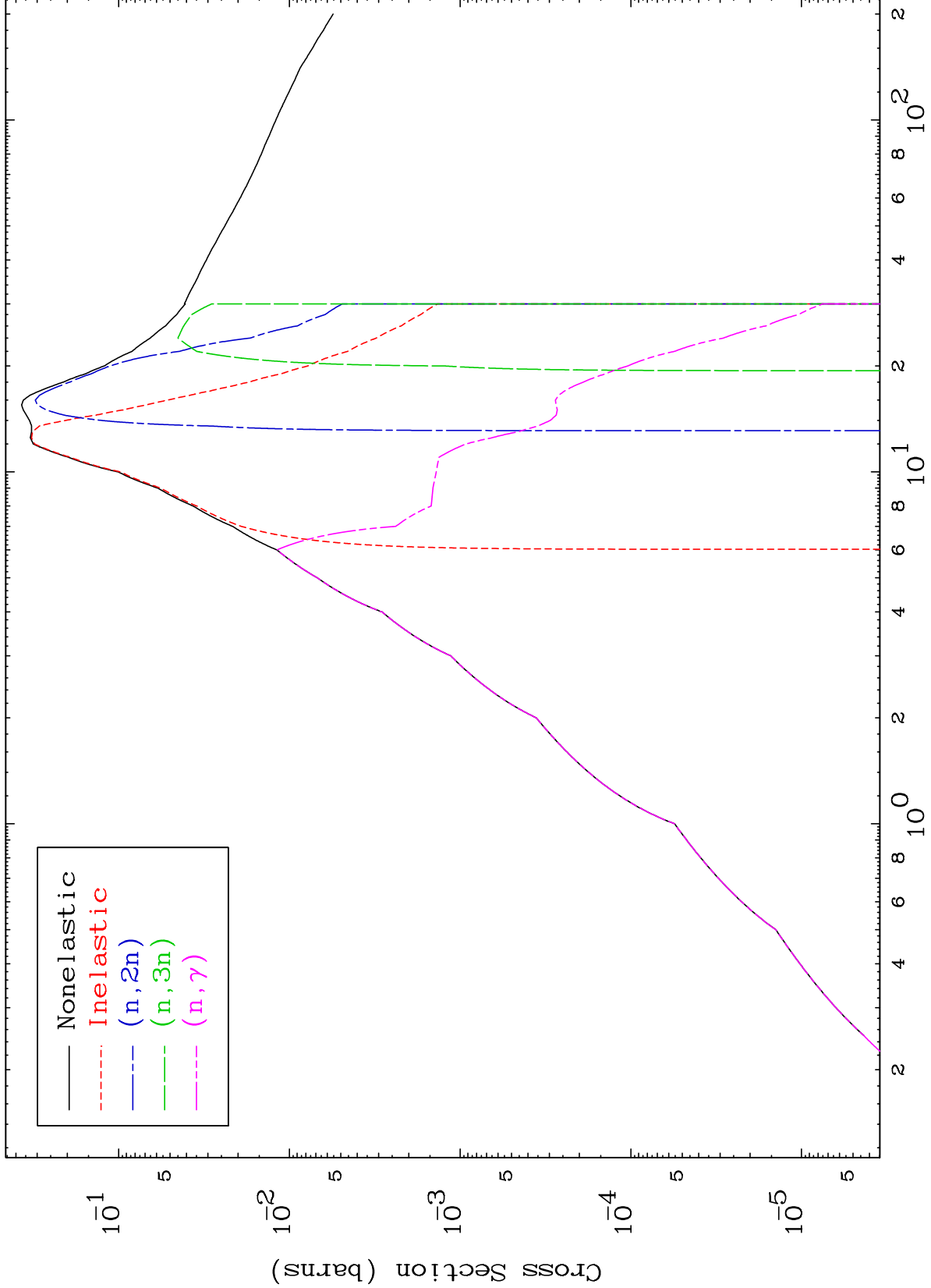
Press Mouse Button to Start

MAT 7134

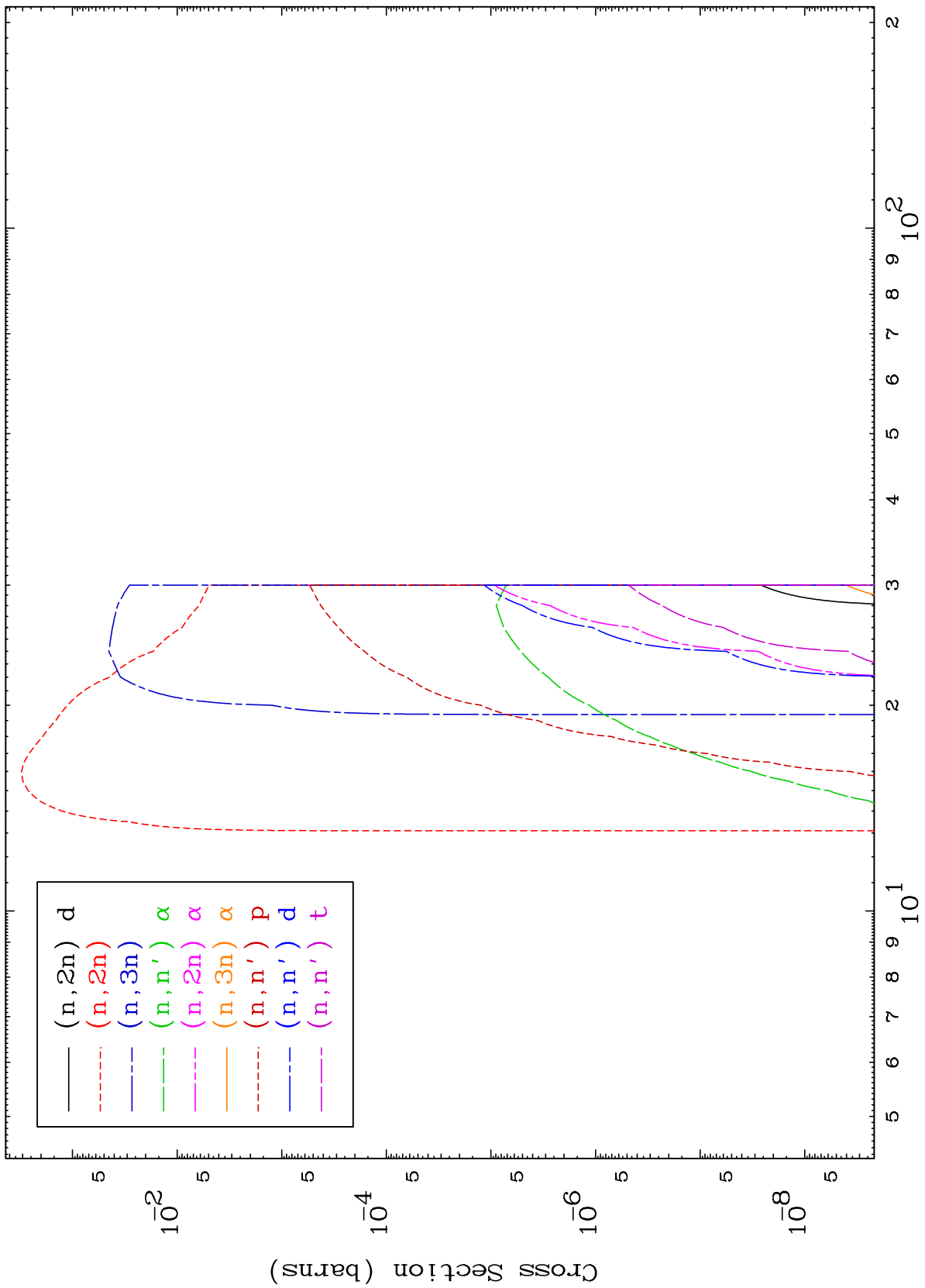
Photon Major

71-Lu-178

0 Kelvin Cross Sections



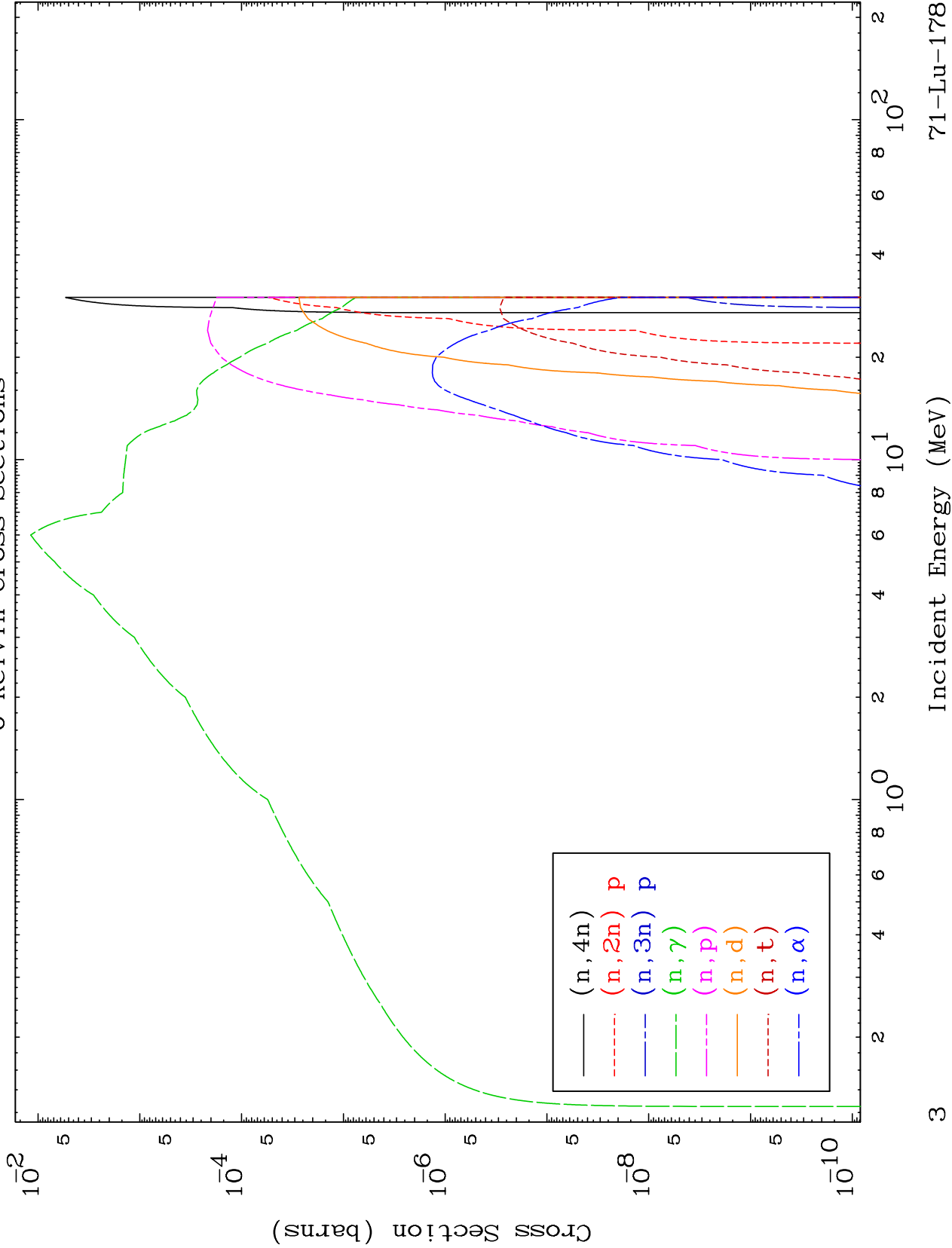
Legend:
— Nonelastic
- - - Inelastic
- · - (n,2n)
- - - (n,3n)
- - - (n,γ)



MAT 7134

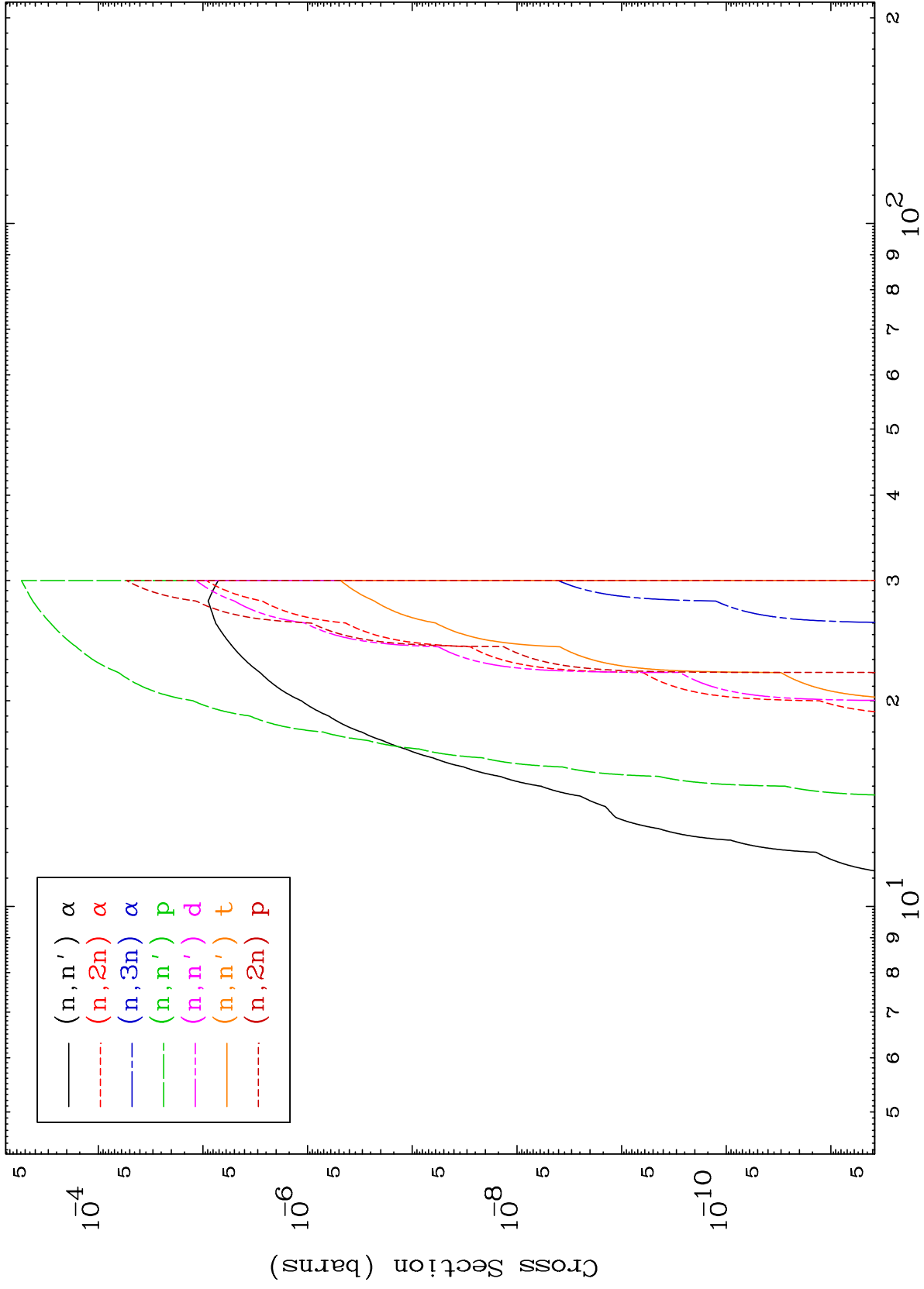
Photon Neutron Absorption
0 Kelvin Cross Sections

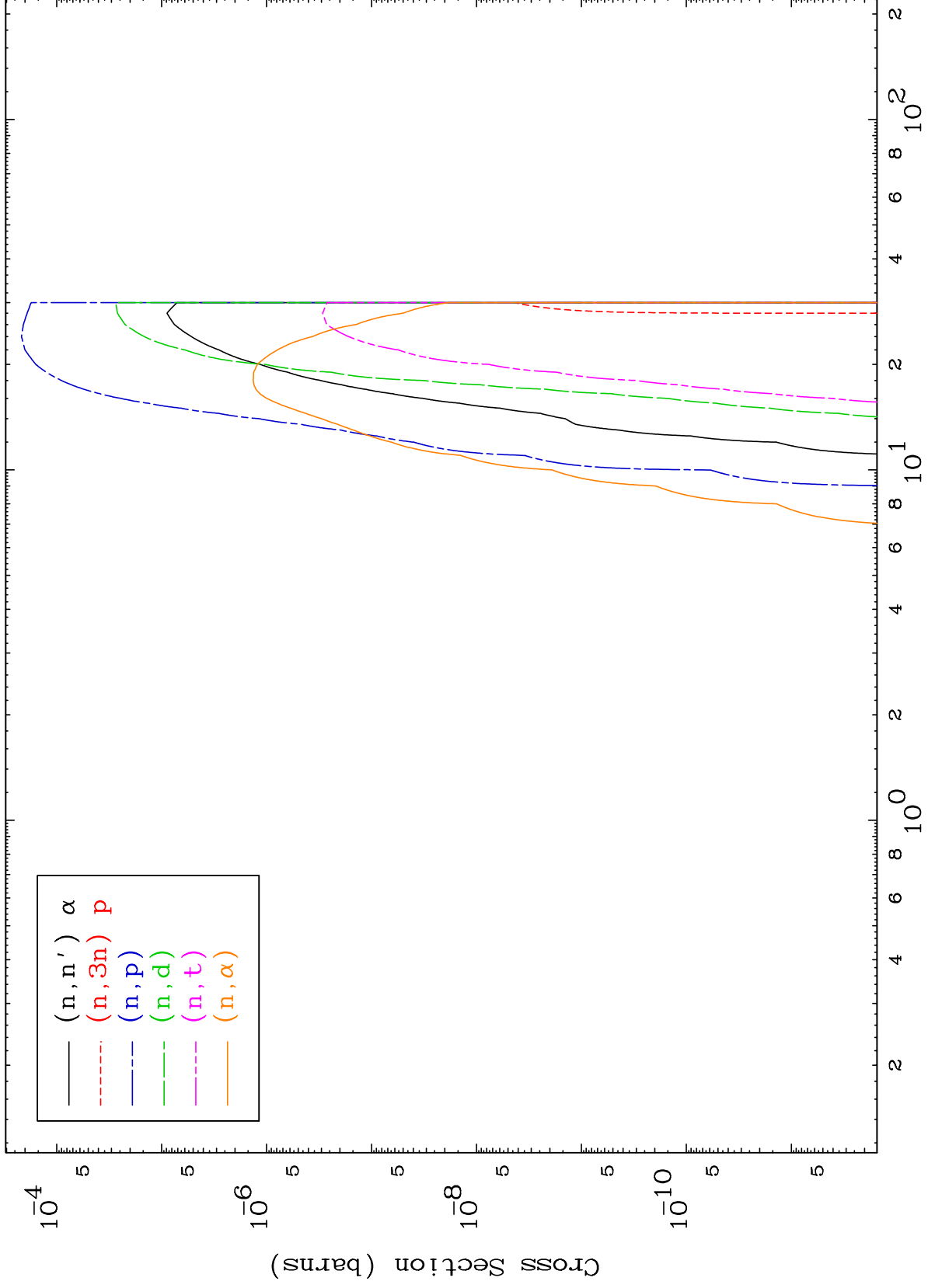
⁷¹Lu-178



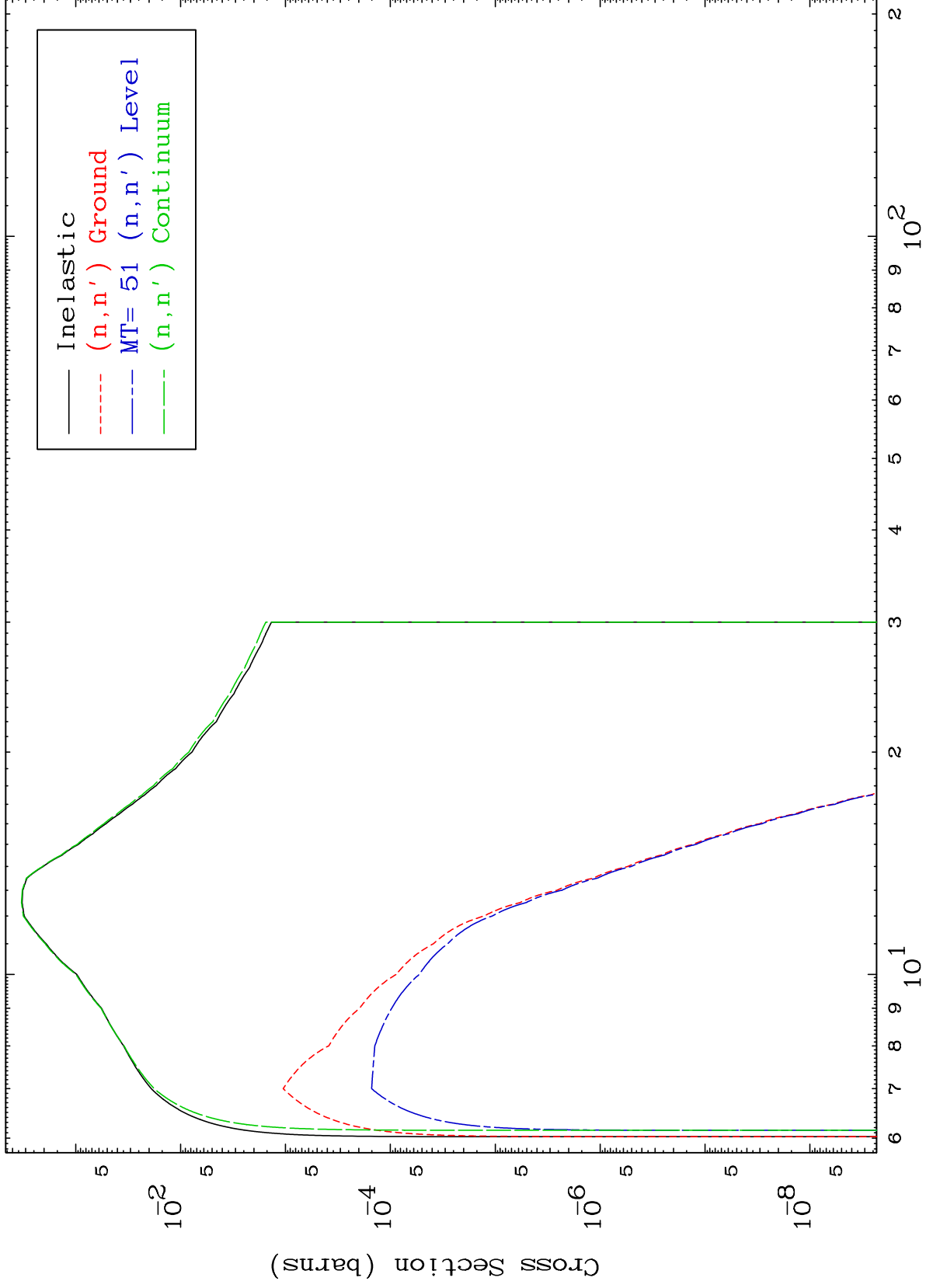
⁷¹Lu-178

Incident Energy (MeV)





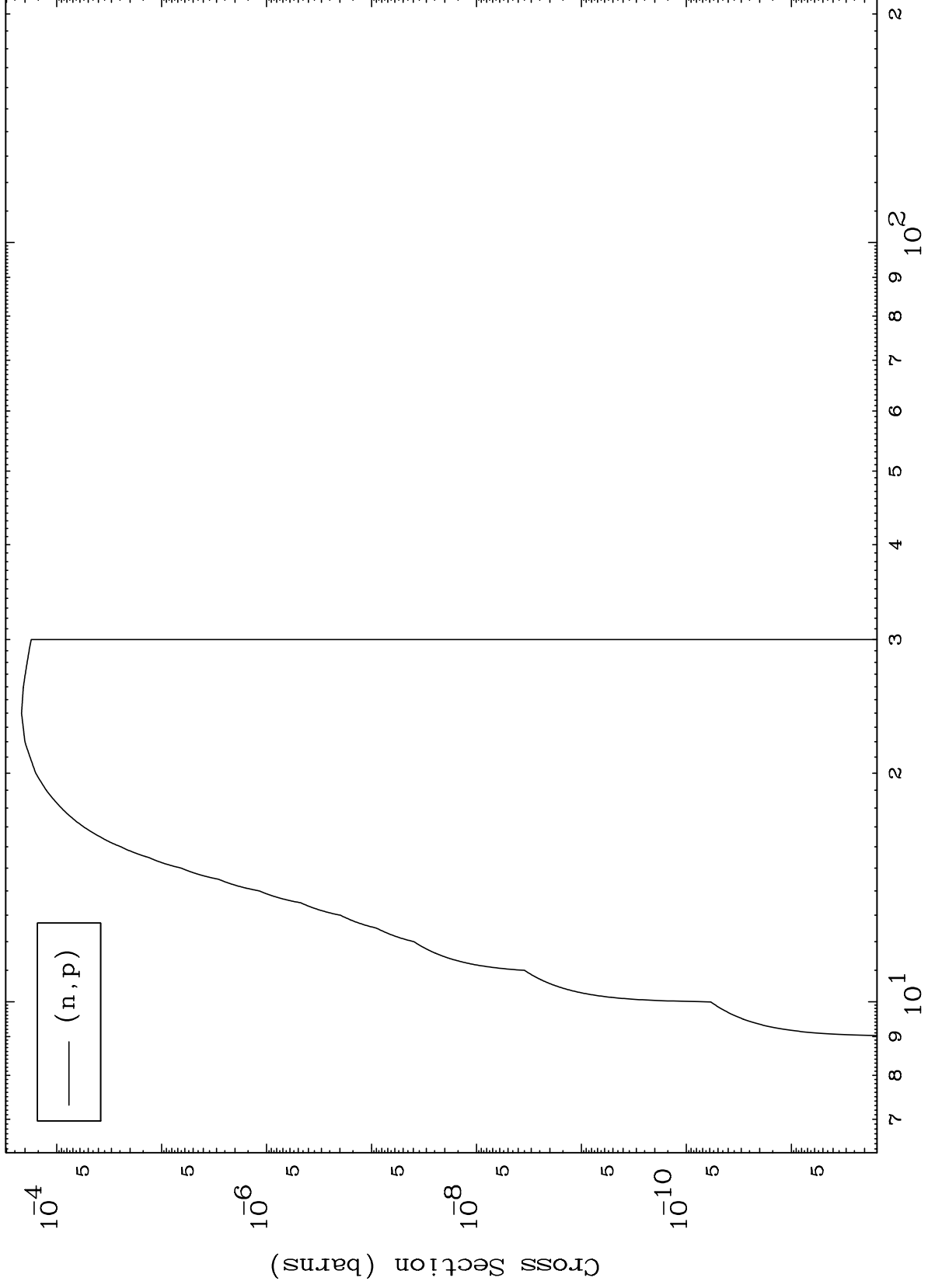
0 Kelvin Cross Sections



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(γ, p) Levels
0 Kelvin Cross Sections

71-Lu-178



7

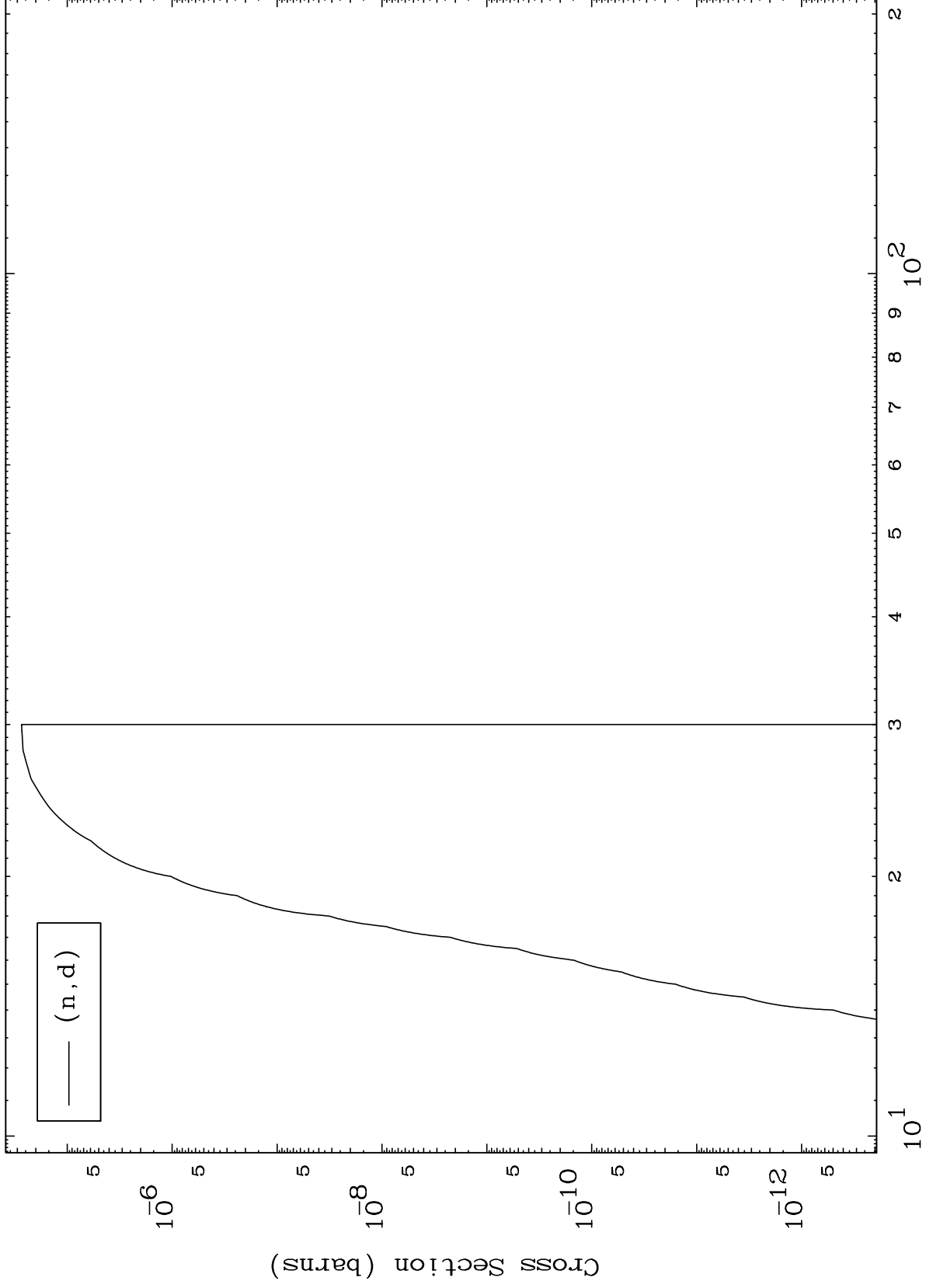
Incident Energy (MeV)

71-Lu-178

MAT 7134

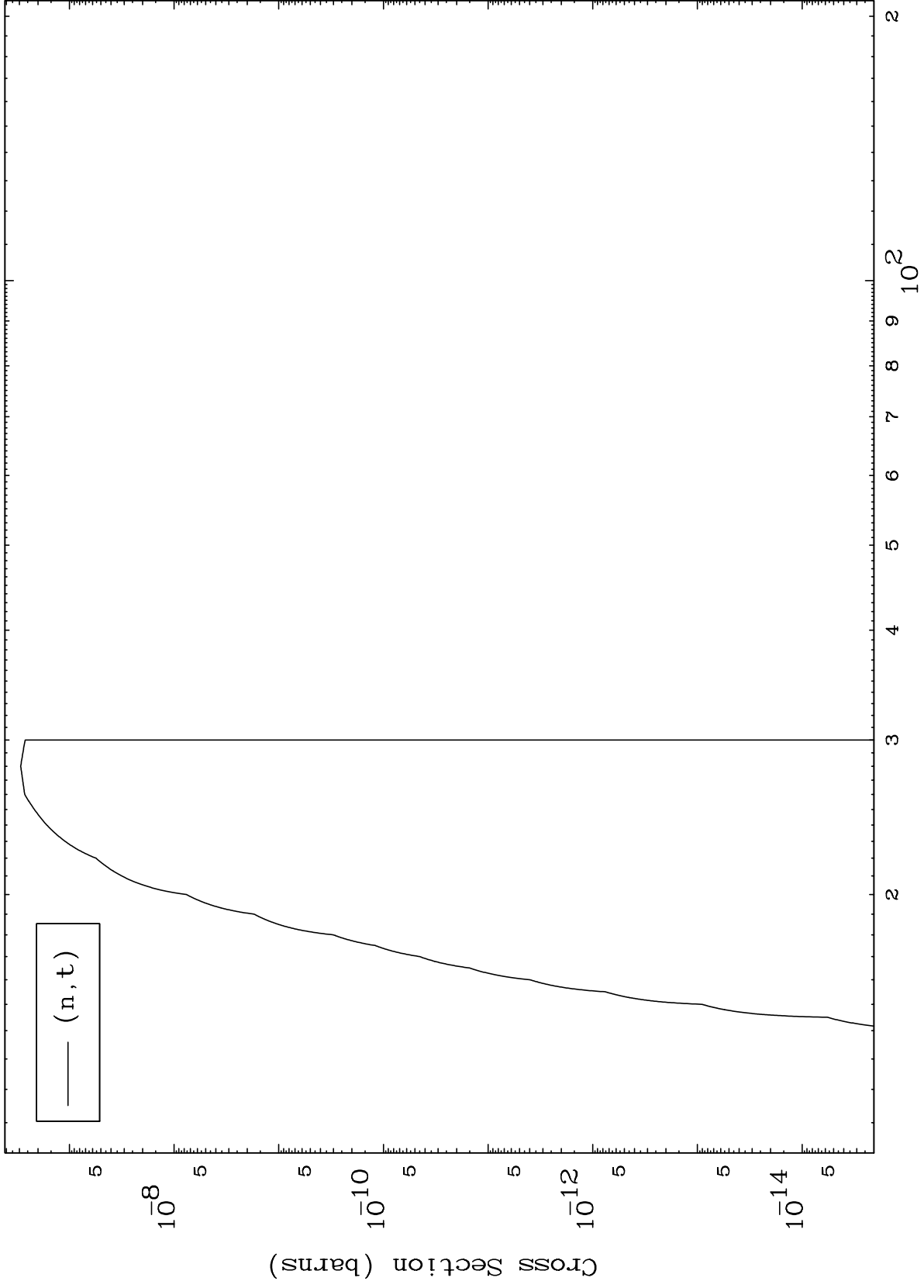
(γ, d) Levels
0 Kelvin Cross Sections

71-Lu-178



Incident Energy (MeV)

71-Lu-178

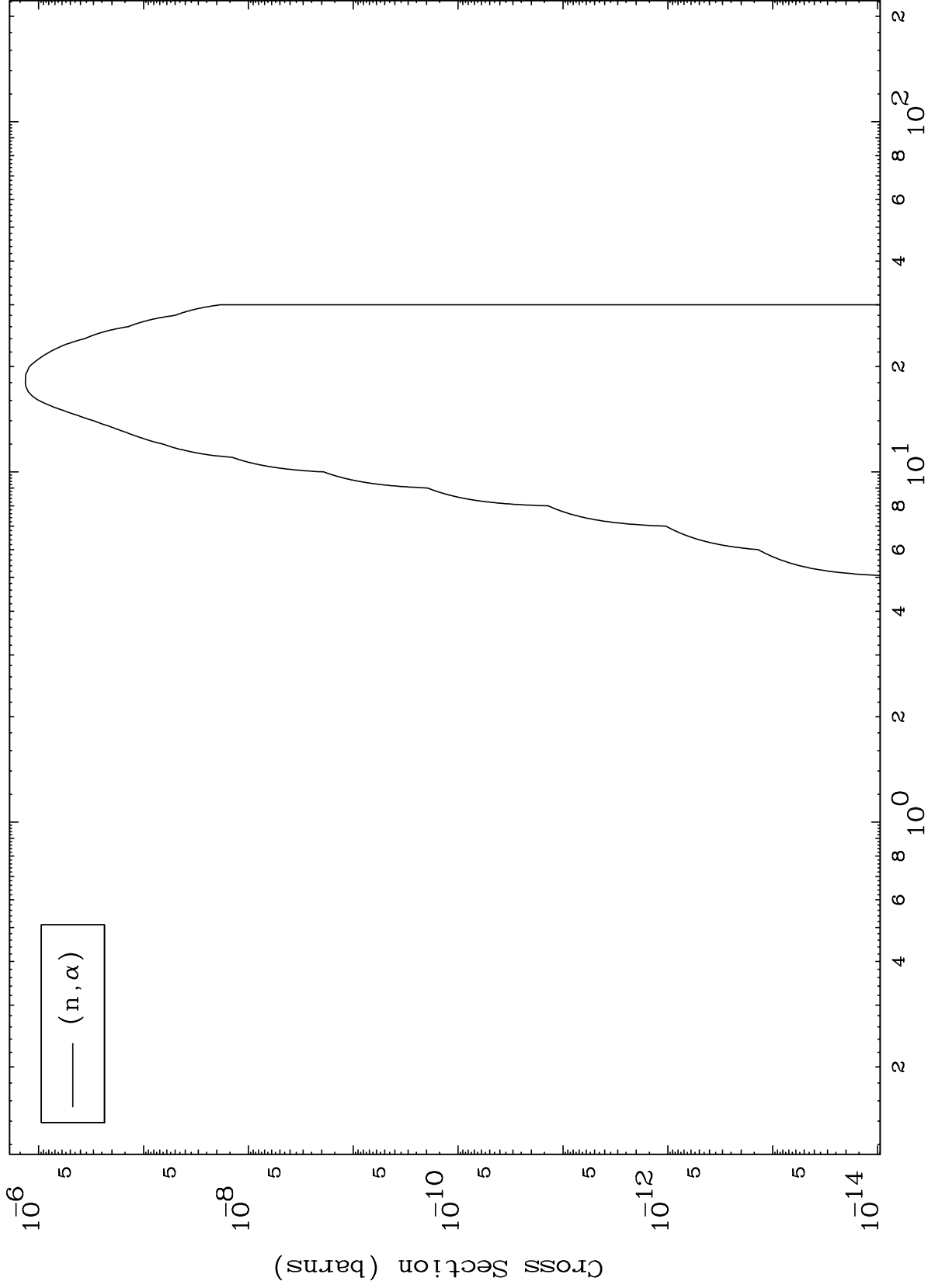


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(γ, α) Levels

71-Lu-178

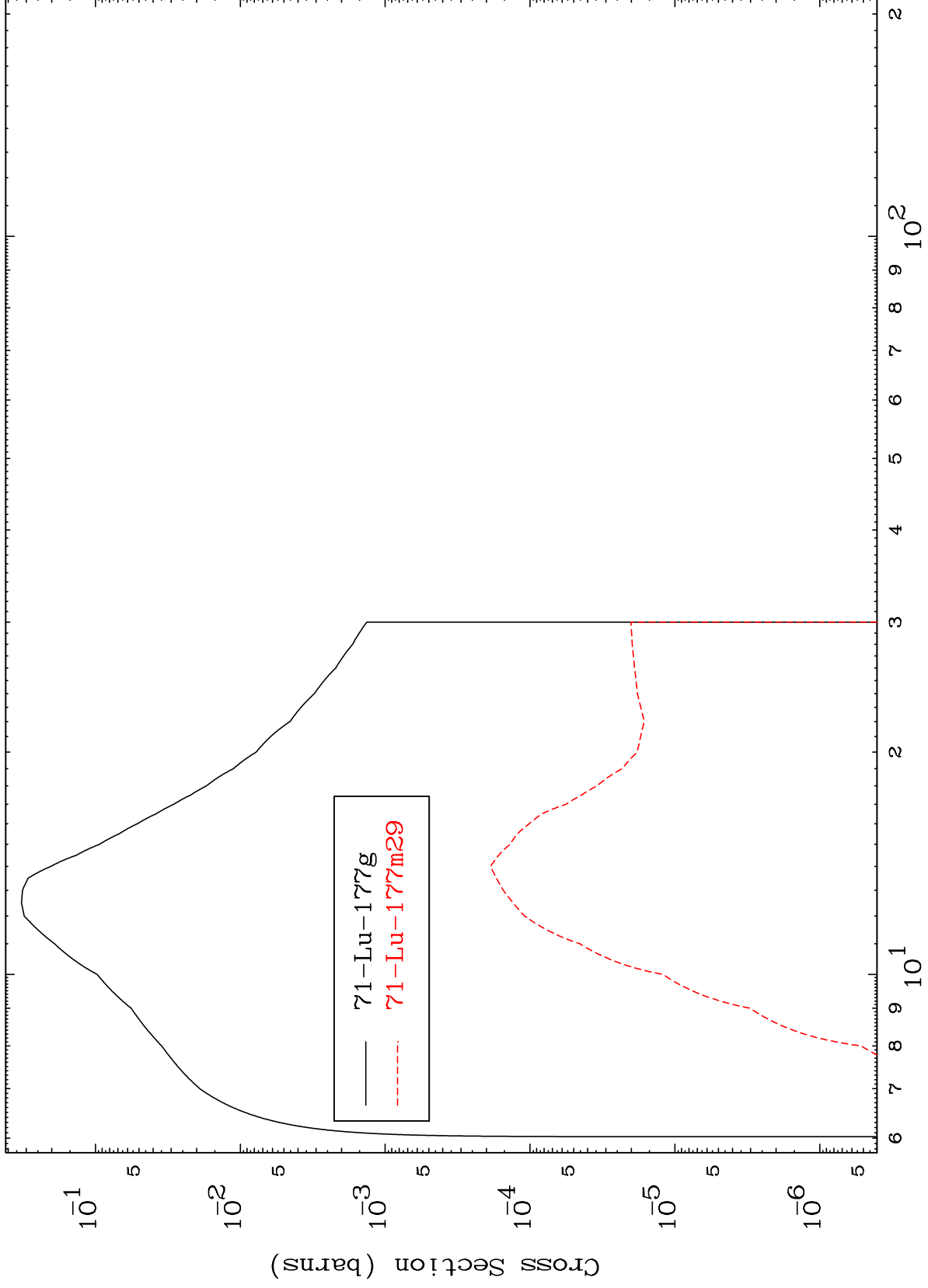
0 Kelvin Cross Sections



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Inelastic
Radionuclide Production Cross Section

71-Lu-178



71-Lu-178

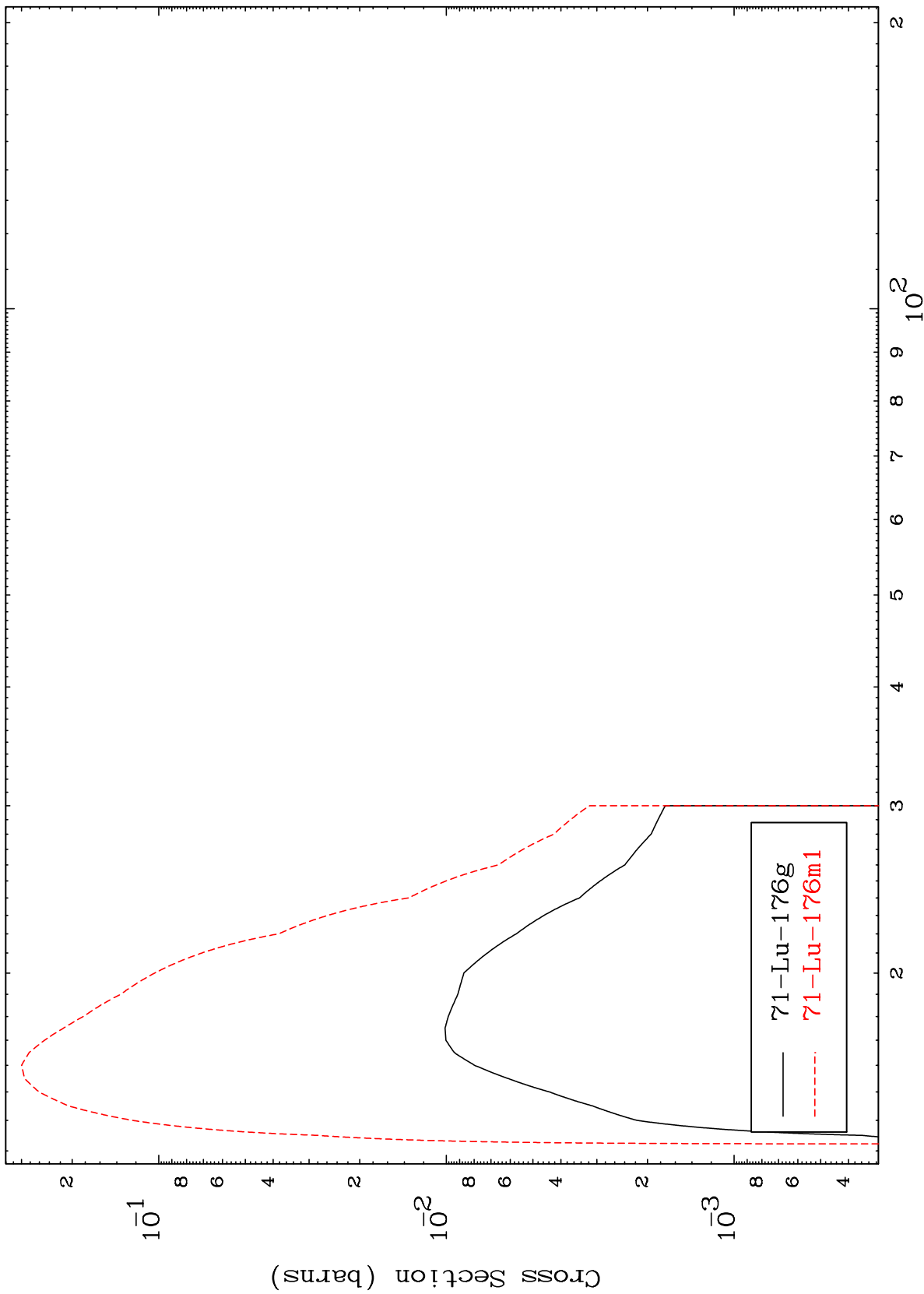
Incident Energy (MeV)

MAT 7134

⁷¹Lu-178

Radionuclide Production Cross Section

(n,2n)



12

Incident Energy (MeV)

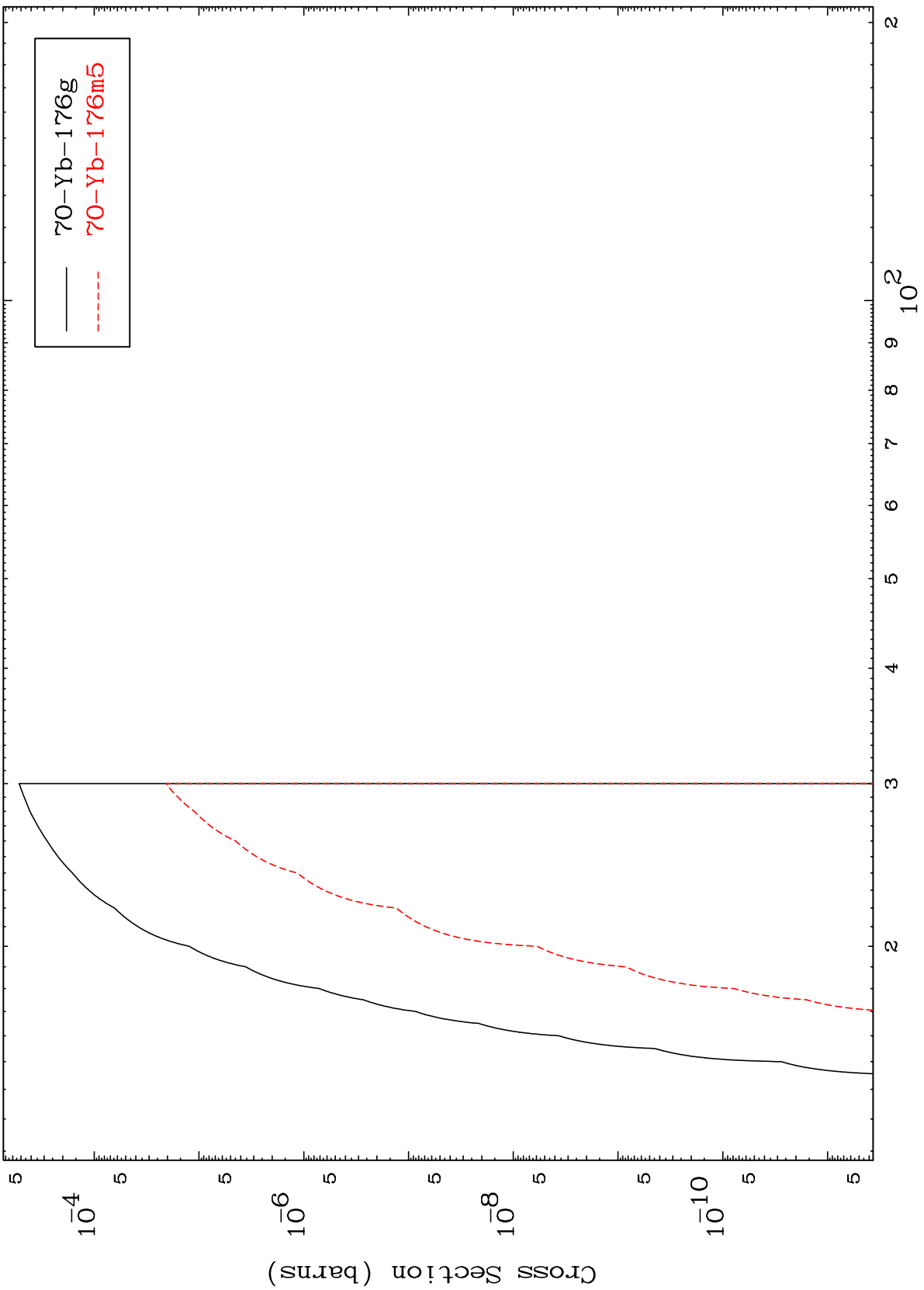
⁷¹Lu-178

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(n,n') p

71-Lu-178

Radionuclide Production Cross Section



13

Incident Energy (MeV)

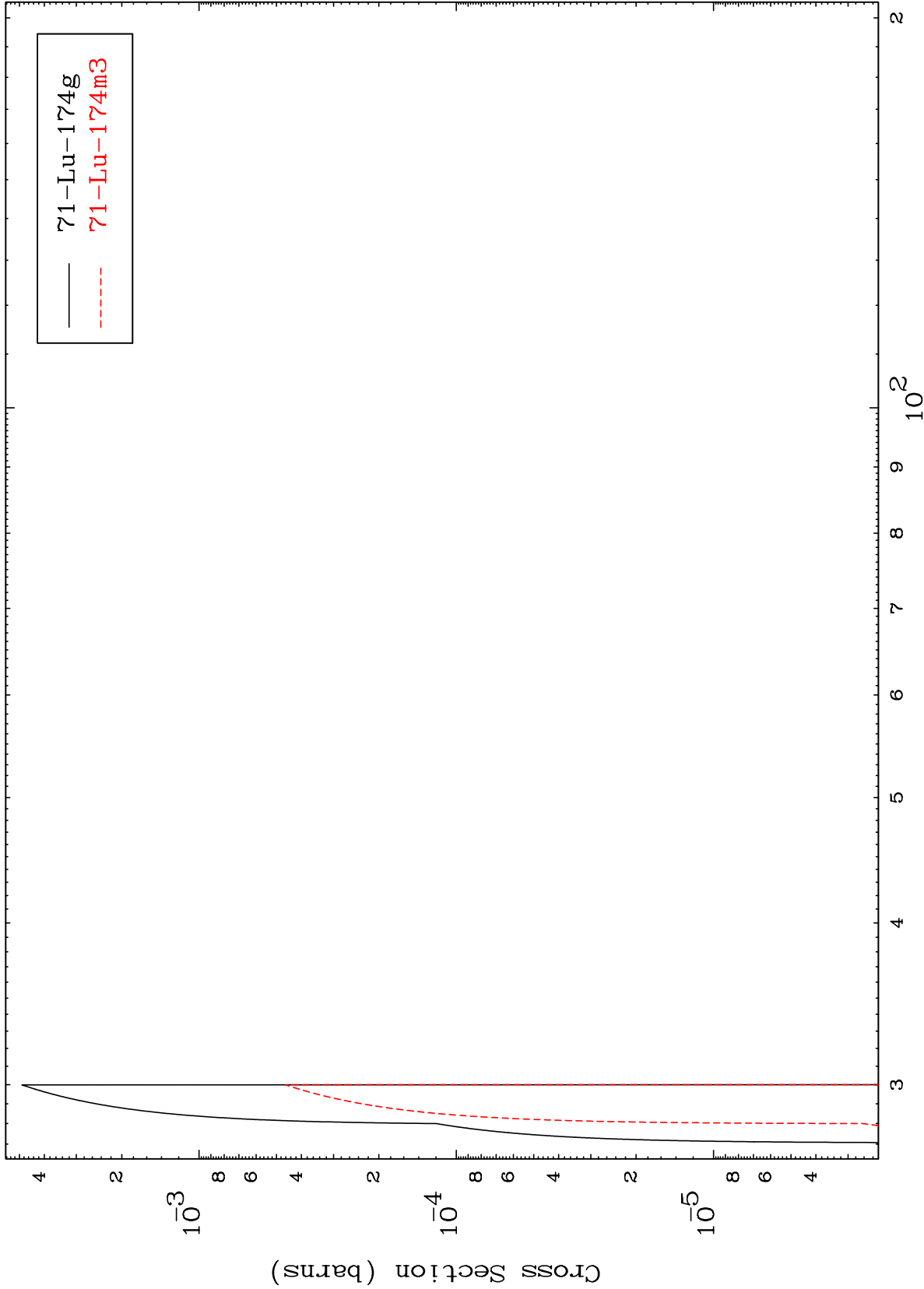
71-Lu-178

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(n,4n)

71-Lu-178

Radionuclide Production Cross Section



14

Incident Energy (MeV)

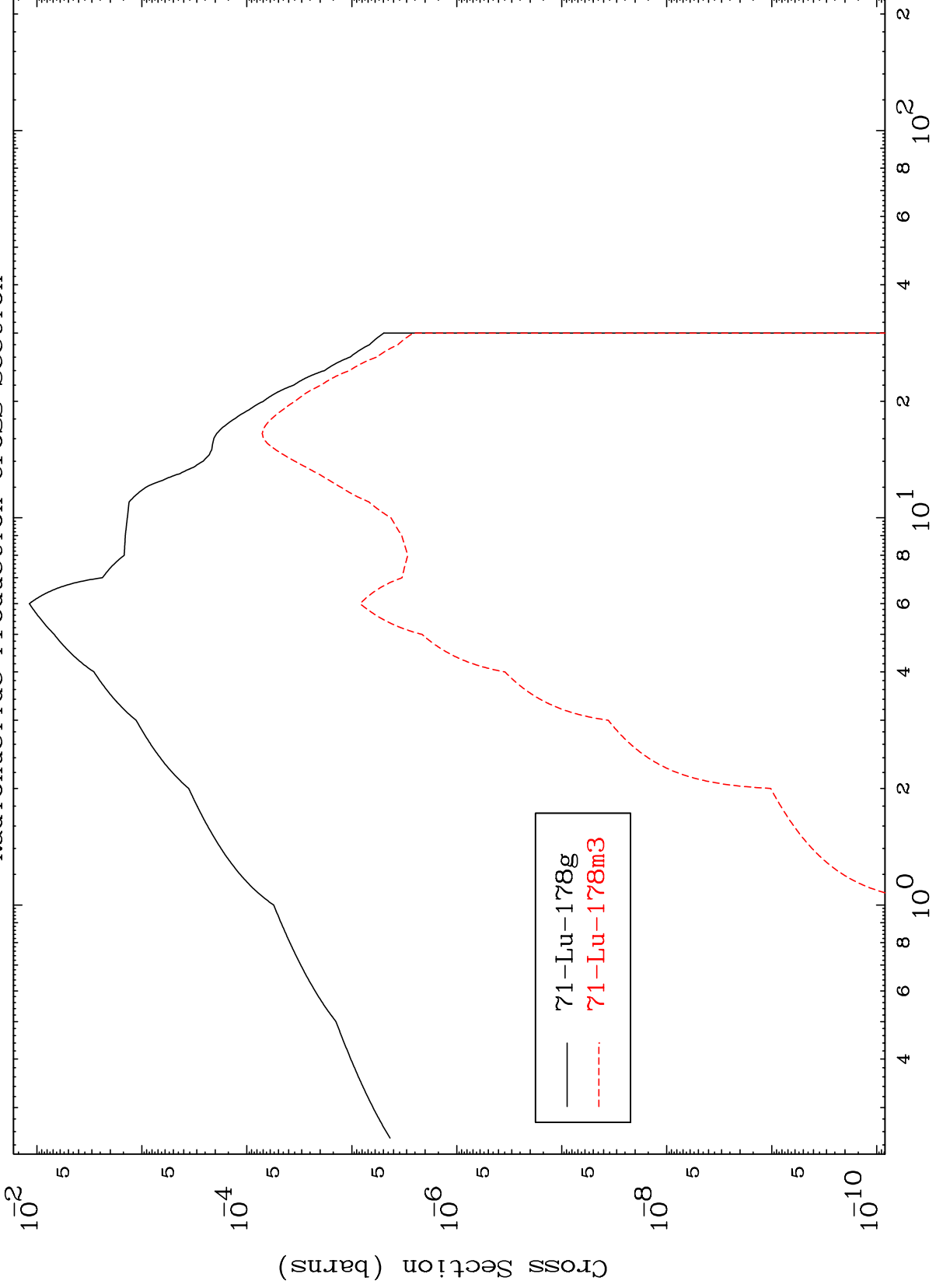
71-Lu-178

MAT 7134

⁷¹Lu-178

Radionuclide Production Cross Section

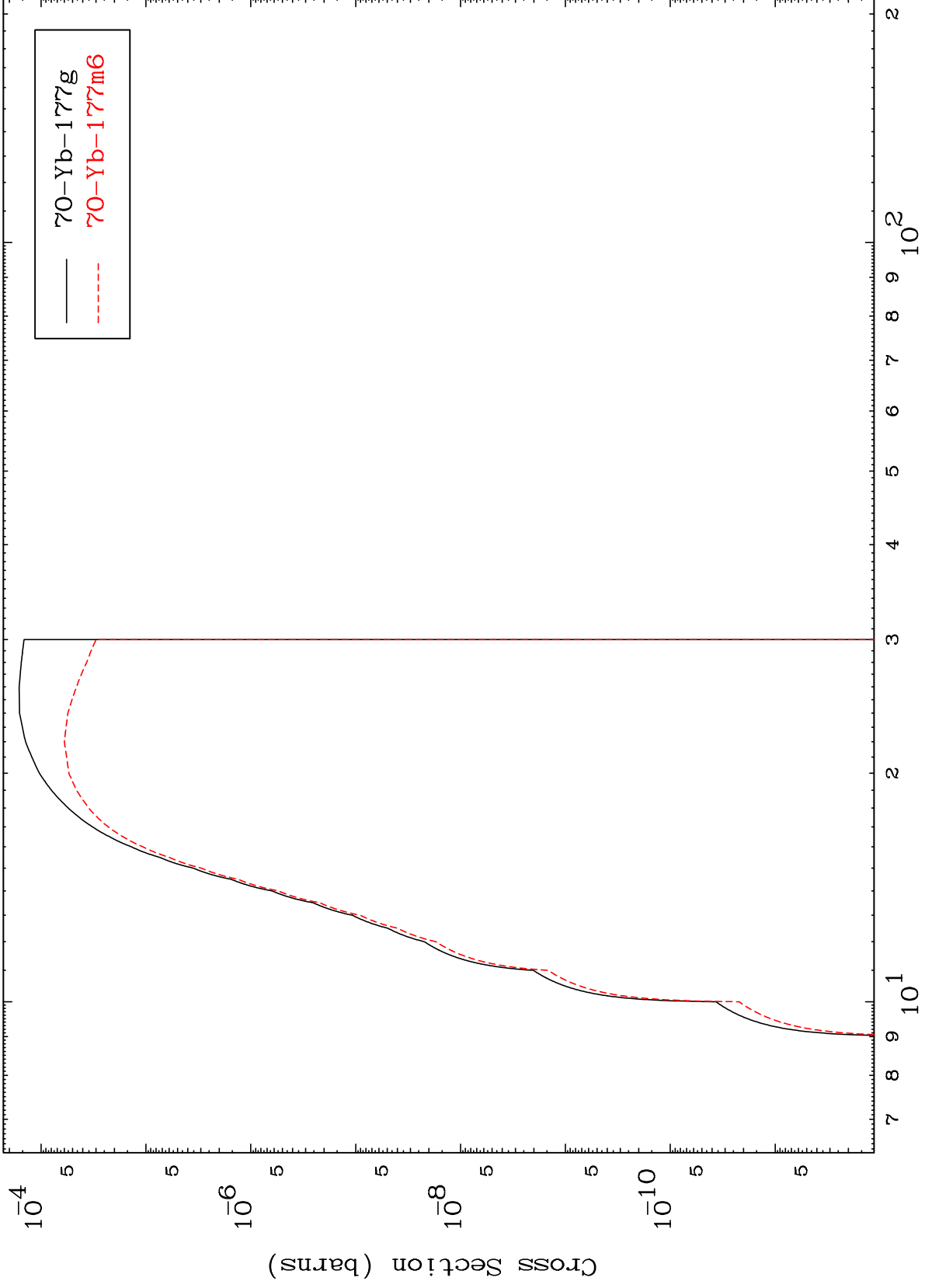
(n, γ)



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71-Lu-178

(n,p)
Radionuclide Production Cross Section



16

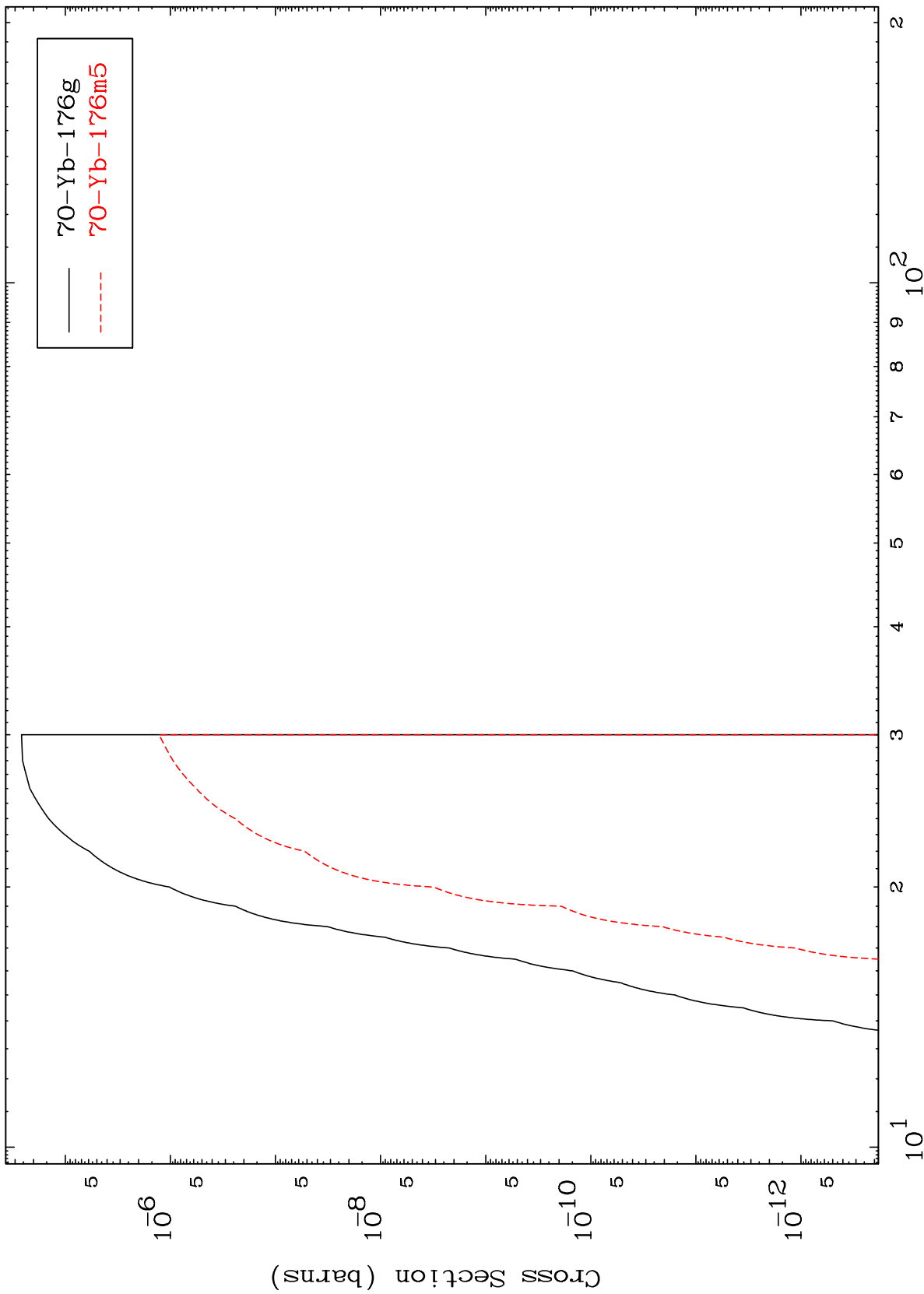
Incident Energy (MeV)

71-Lu-178

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71-Lu-178

(n,d)
Radionuclide Production Cross Section



71-Lu-178

Incident Energy (MeV)

17

10¹

10⁻¹²

10⁻¹⁰

10⁻⁸

10⁻⁶

10²

10⁹

10⁸

10⁷

10⁶

10⁵

10⁴

10³

10²