

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

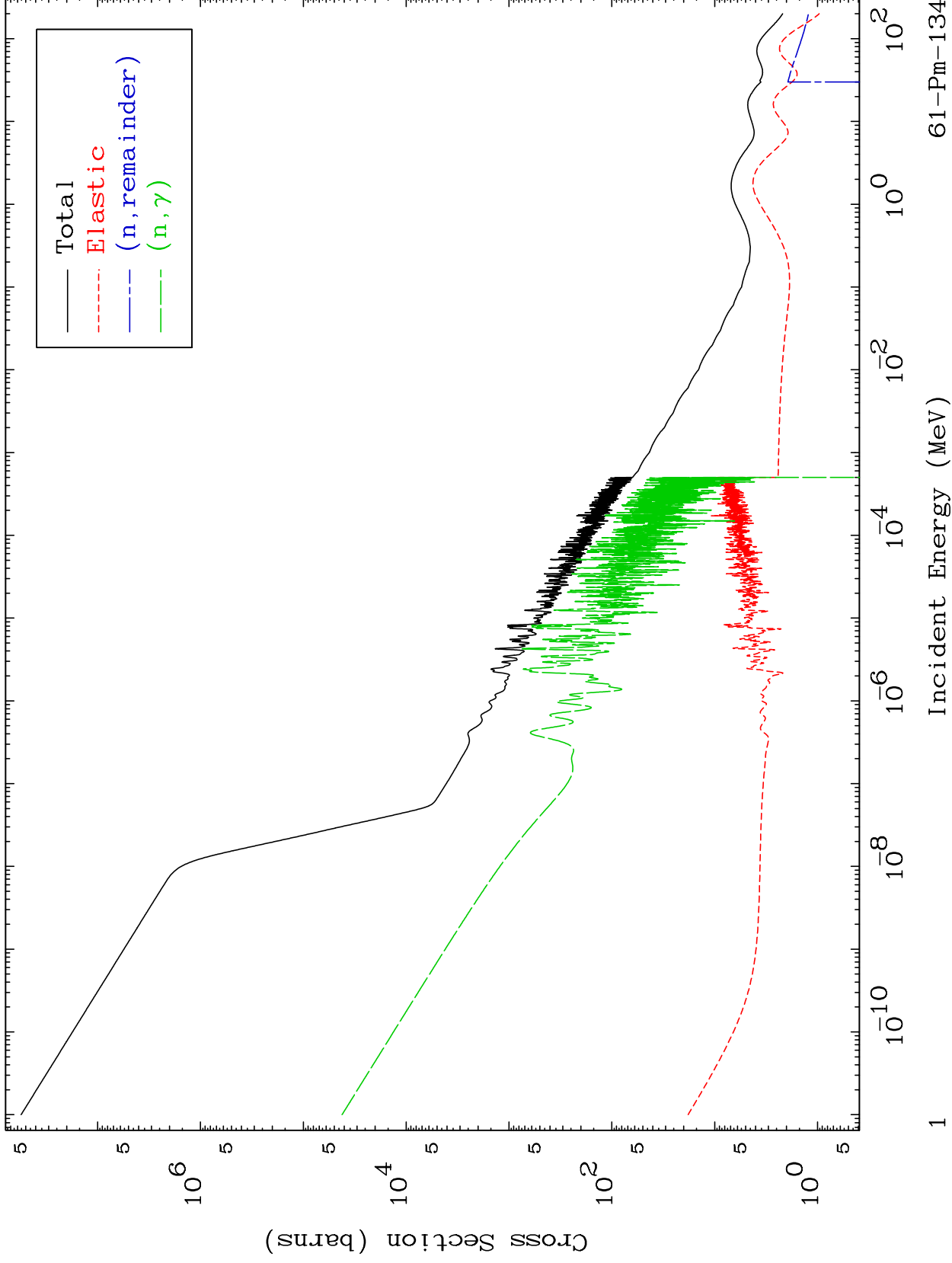
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6111

Major
293 Kelvin Cross Sections

61-Pm-134



61-Pm-134

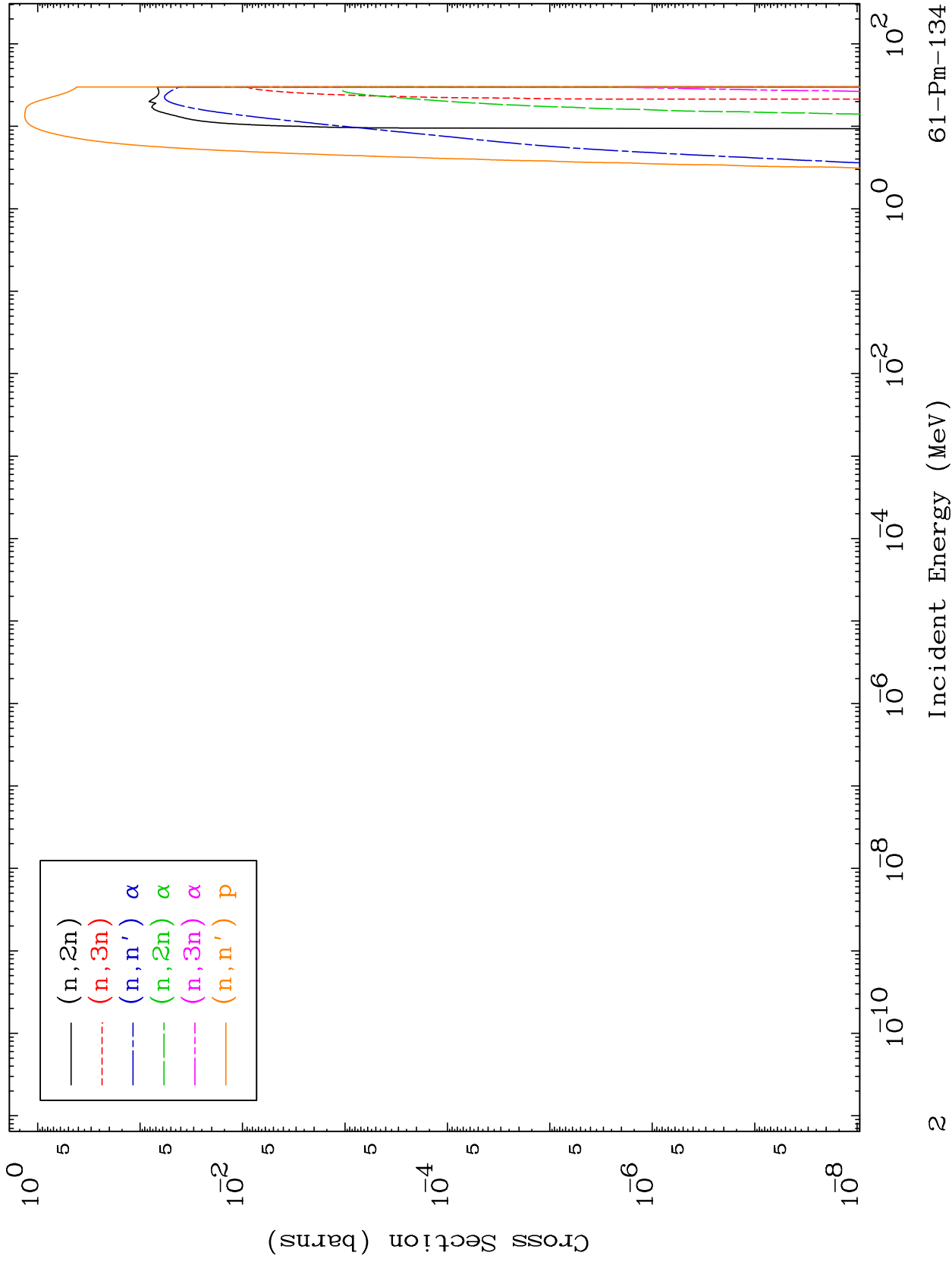
Incident Energy (MeV)

1

MAT 6111

Neutron Production
293 Kelvin Cross Sections

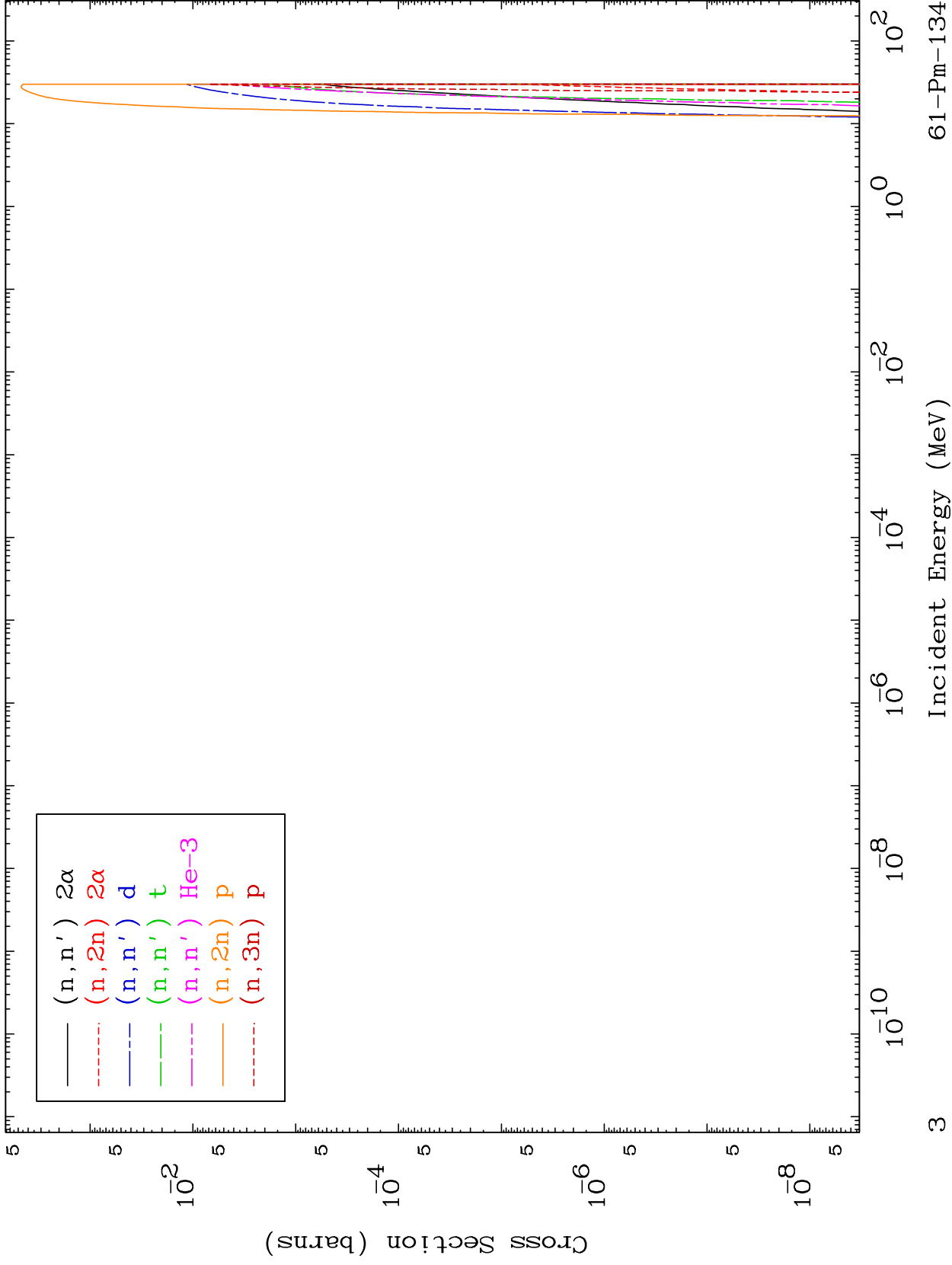
61-Pm-134



MAT 6111

Neutron Production
293 Kelvin Cross Sections

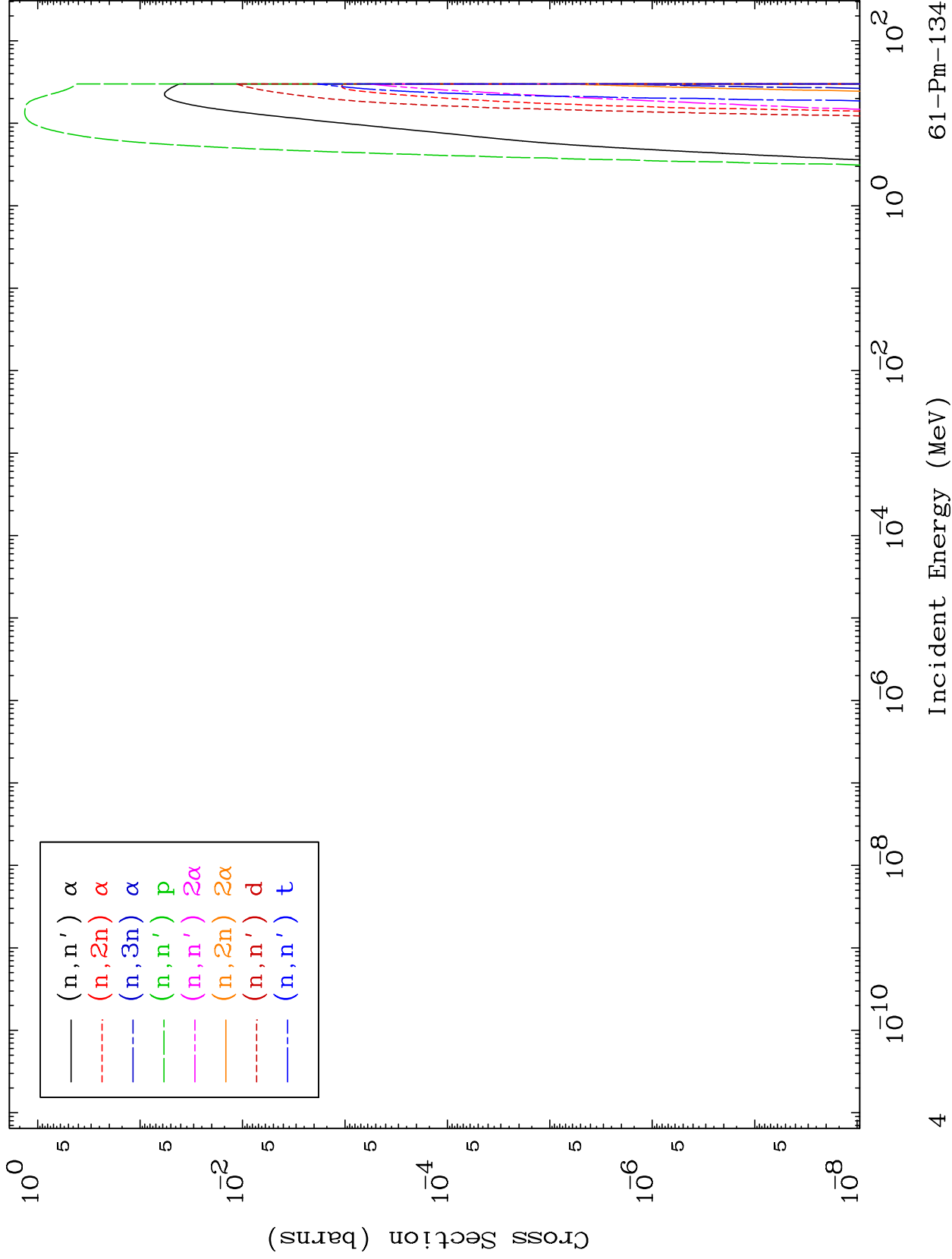
61-Pm-134



MAT 6111

Charged Particle
293 Kelvin Cross Sections

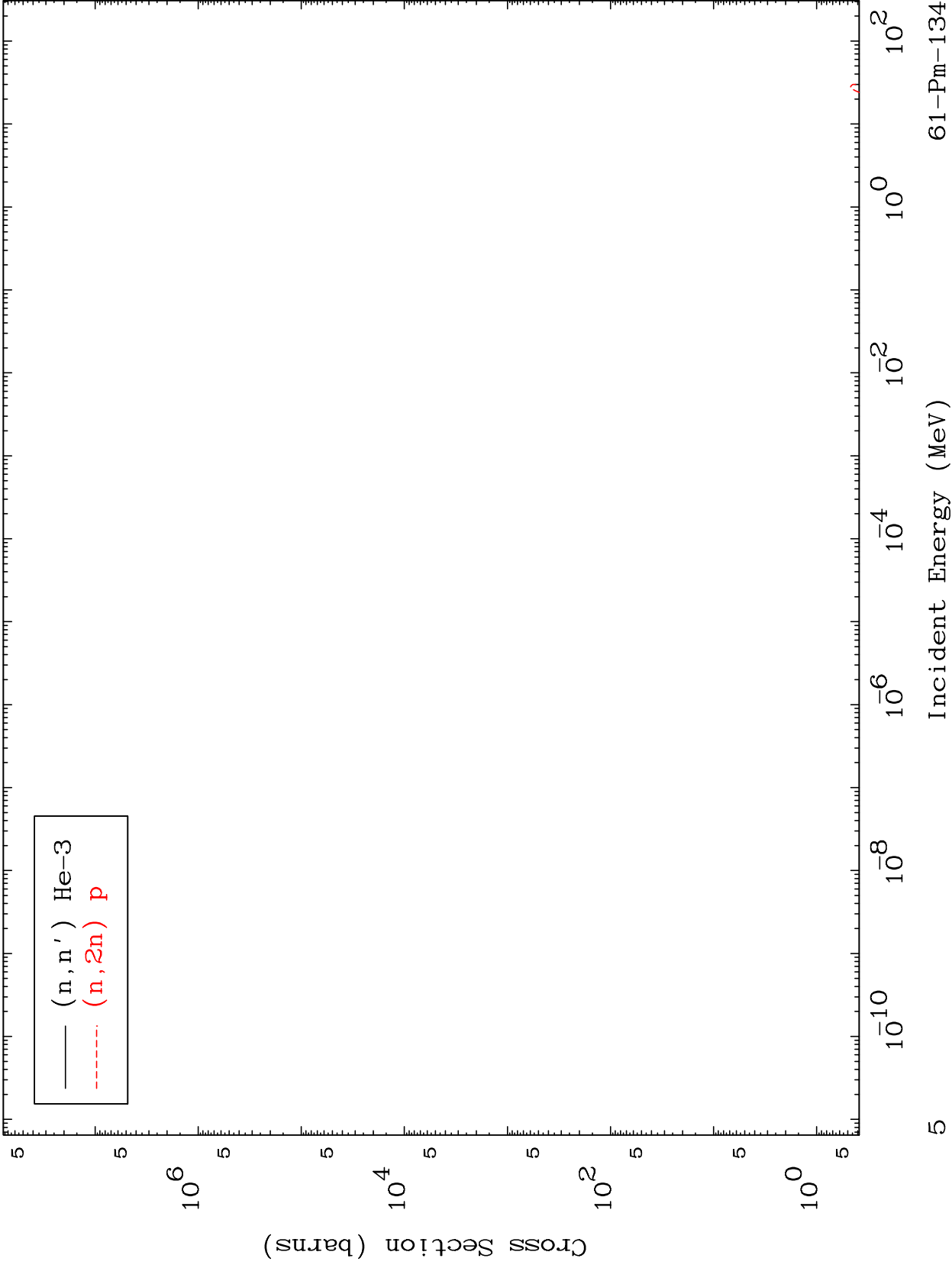
61-Pm-134



MAT 6111

Charged Particle
293 Kelvin Cross Sections

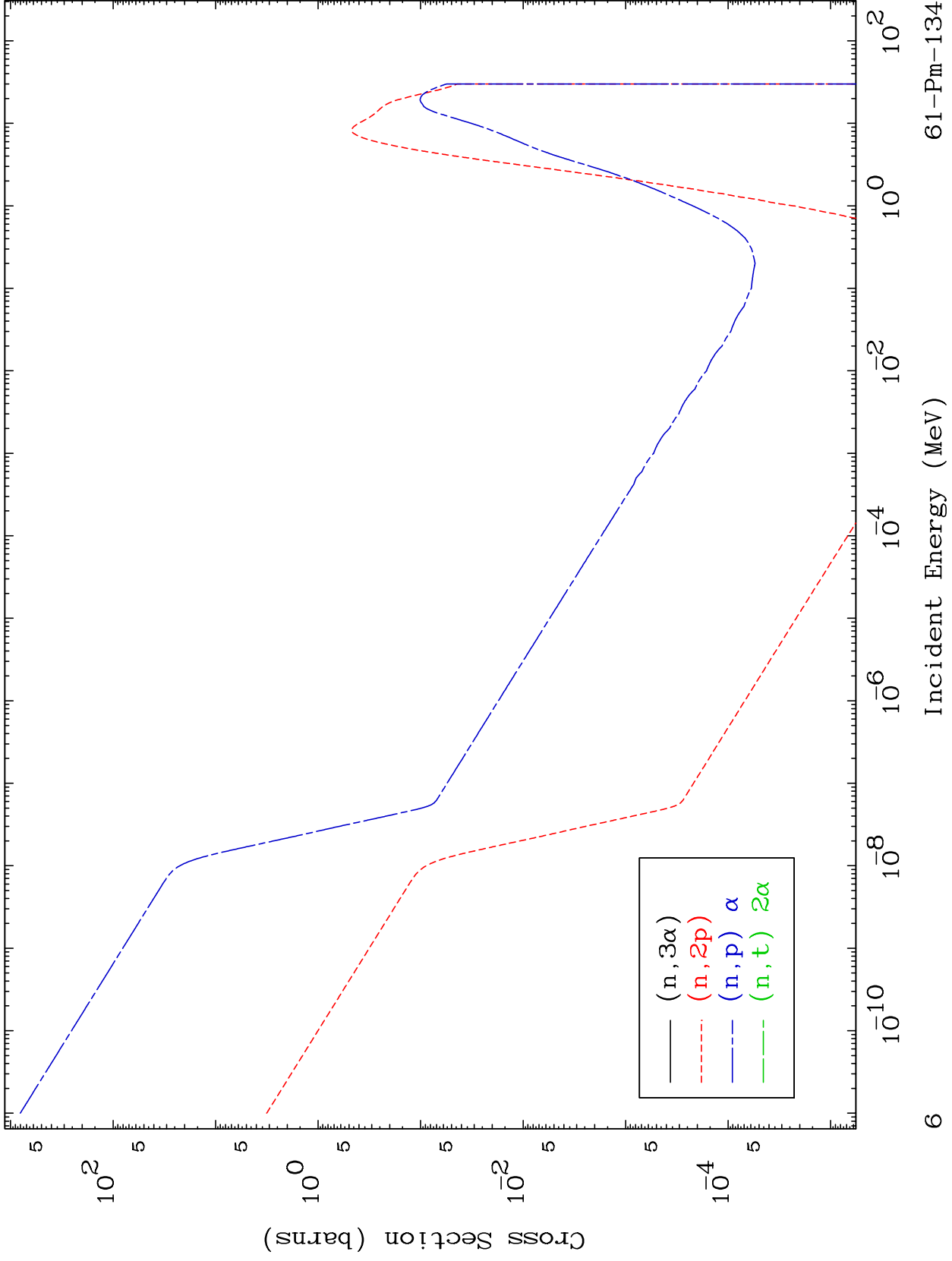
61-Pm-134



MAT 6111

Charged Particle
293 Kelvin Cross Sections

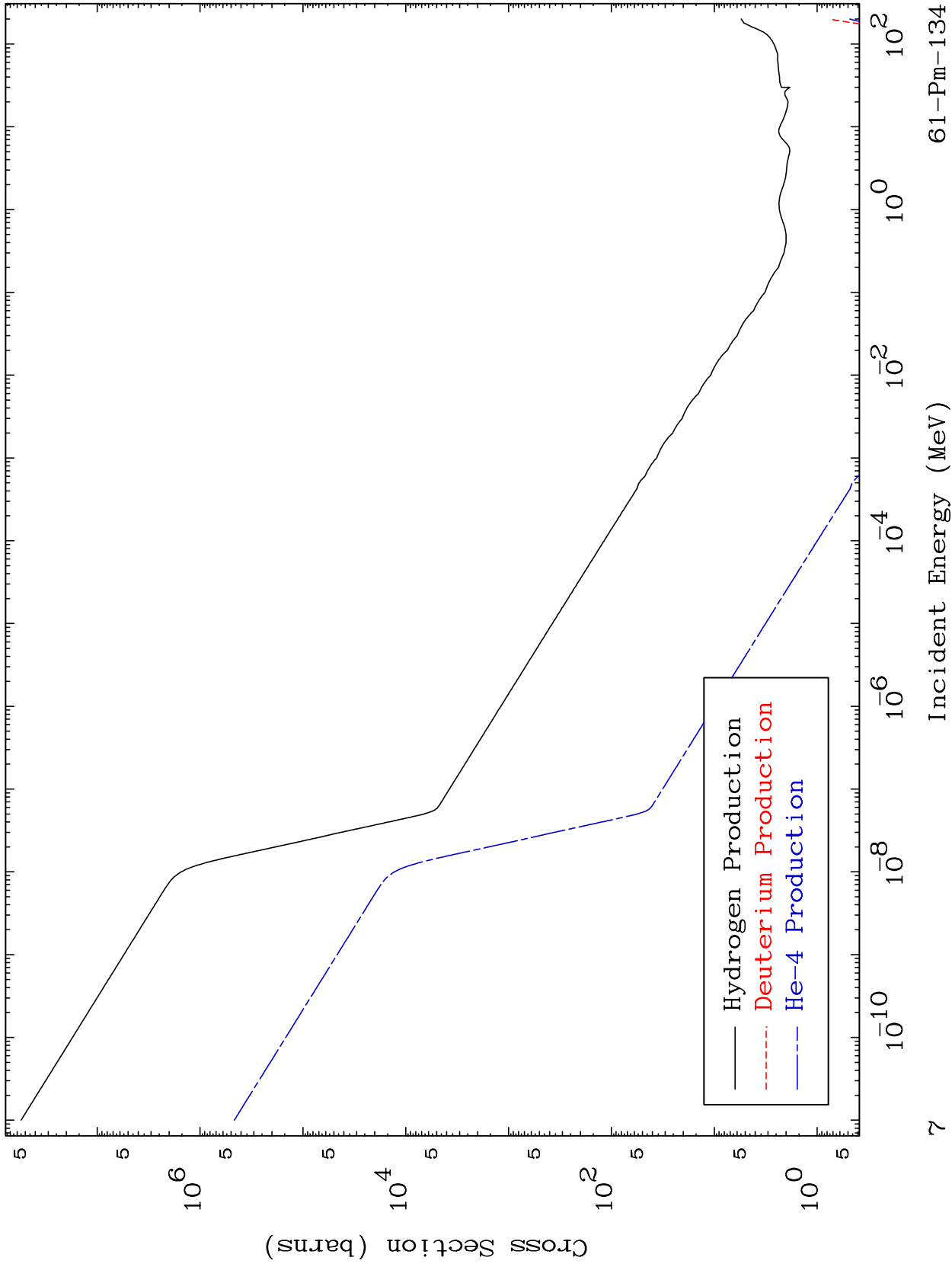
61-Pm-134



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Particle Production
293 Kelvin Cross Sections

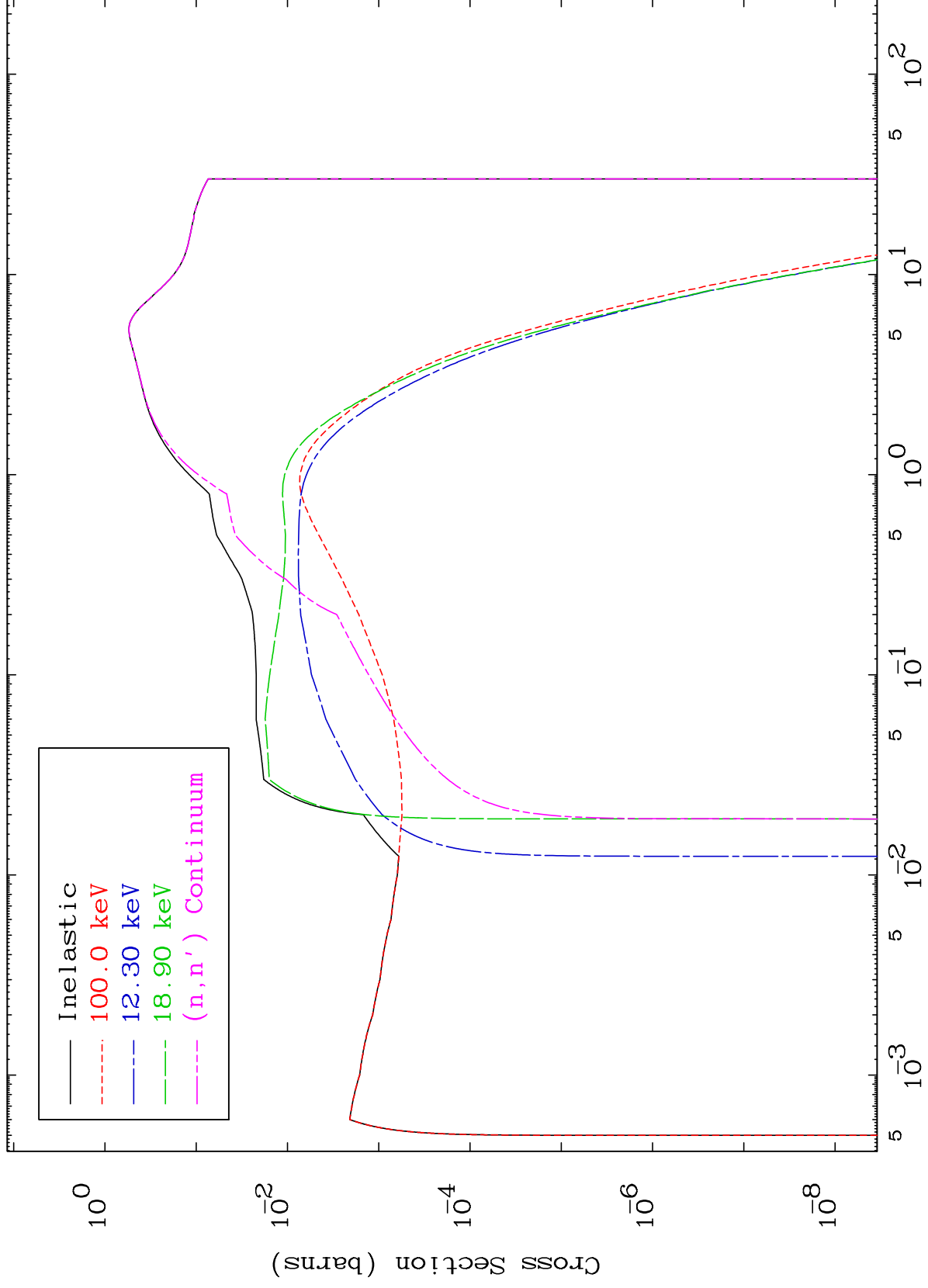
61-Pm-134



MAT 6111

(n,n') Level
293 Kelvin Cross Sections

61-Pm-134



8

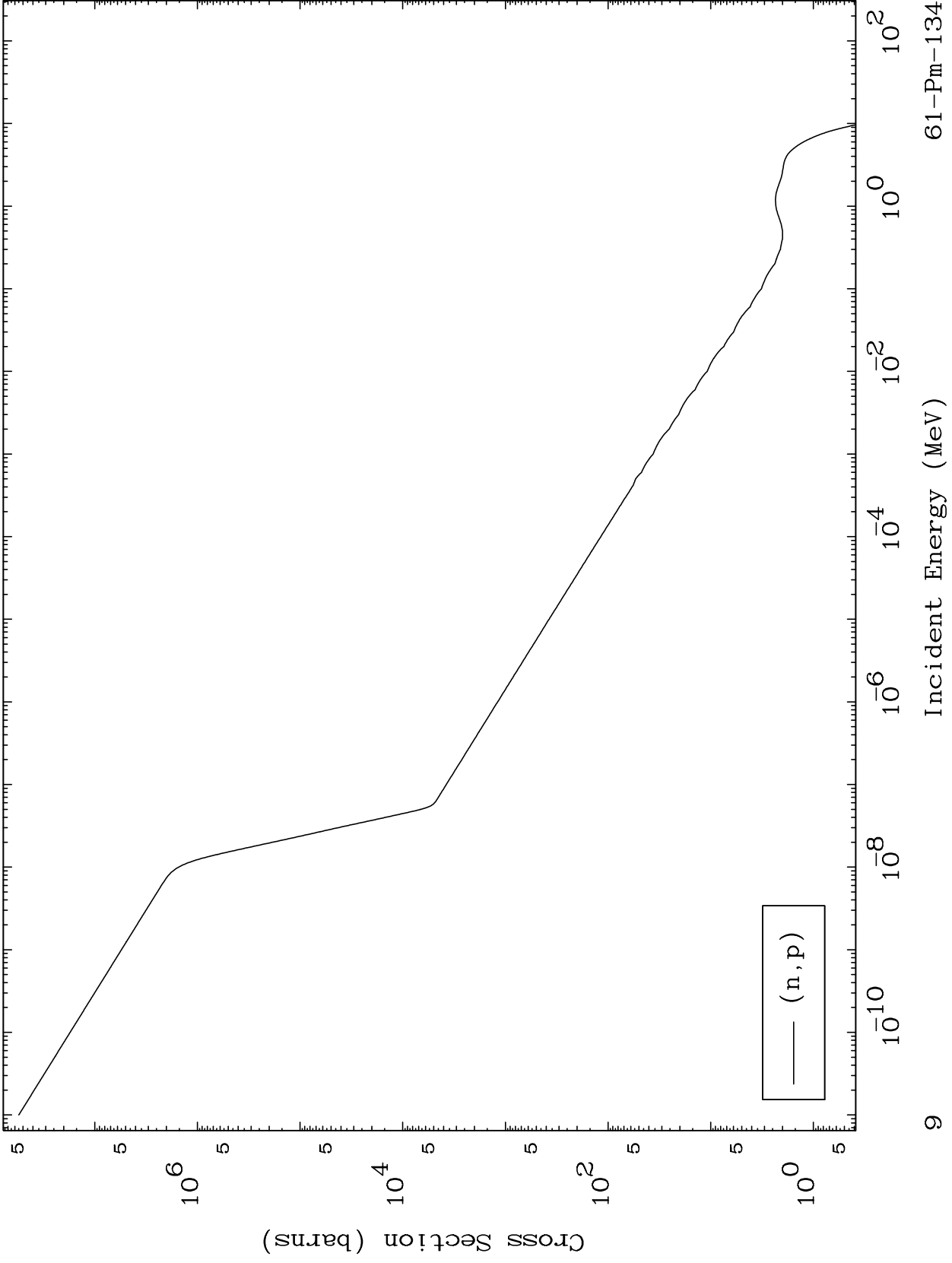
Incident Energy (MeV)

61-Pm-134

MAT 6111

(n,p) Levels
293 Kelvin Cross Sections

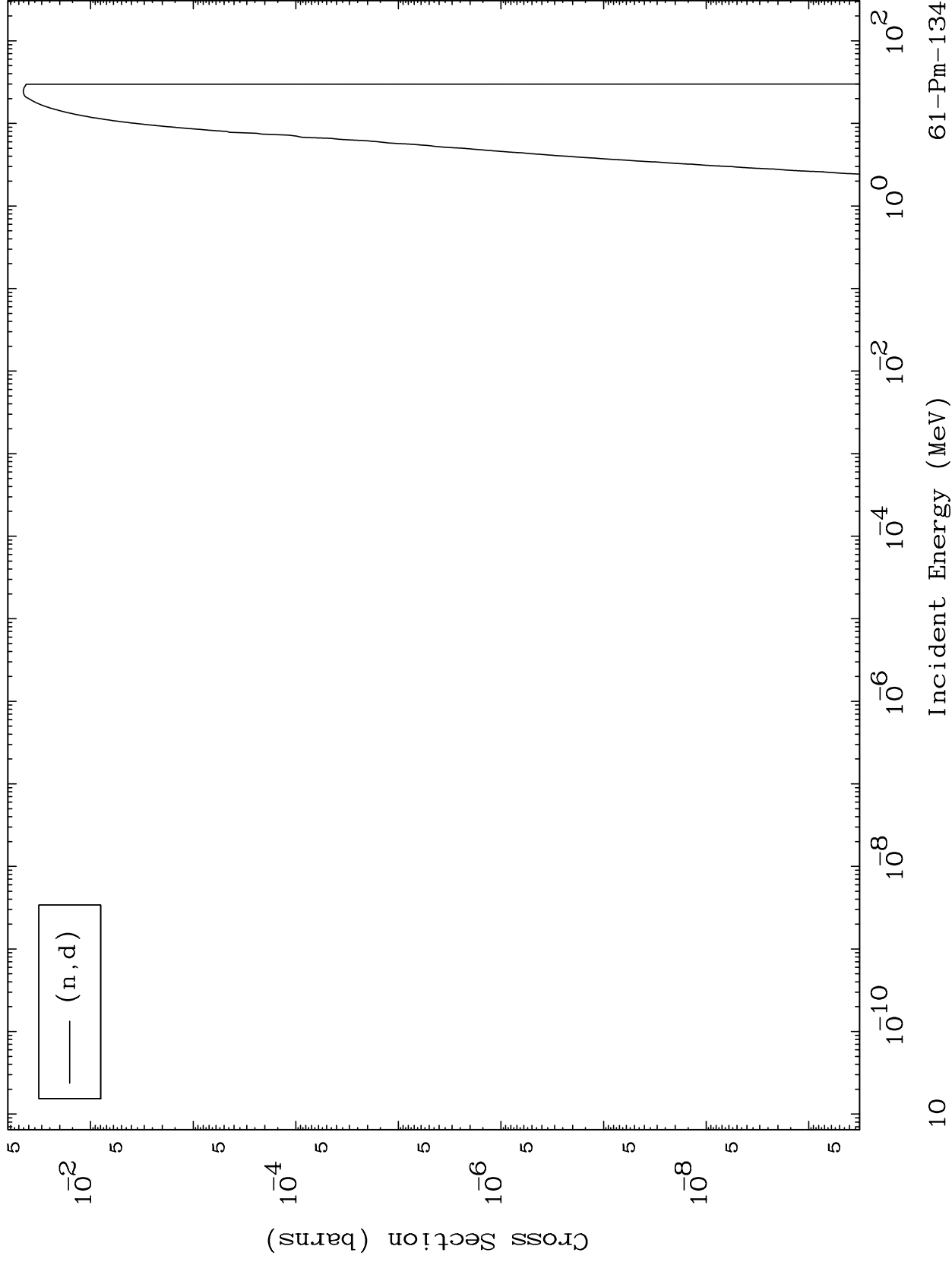
61-Pm-134



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(n,d) Levels
293 Kelvin Cross Sections

61-Pm-134



10

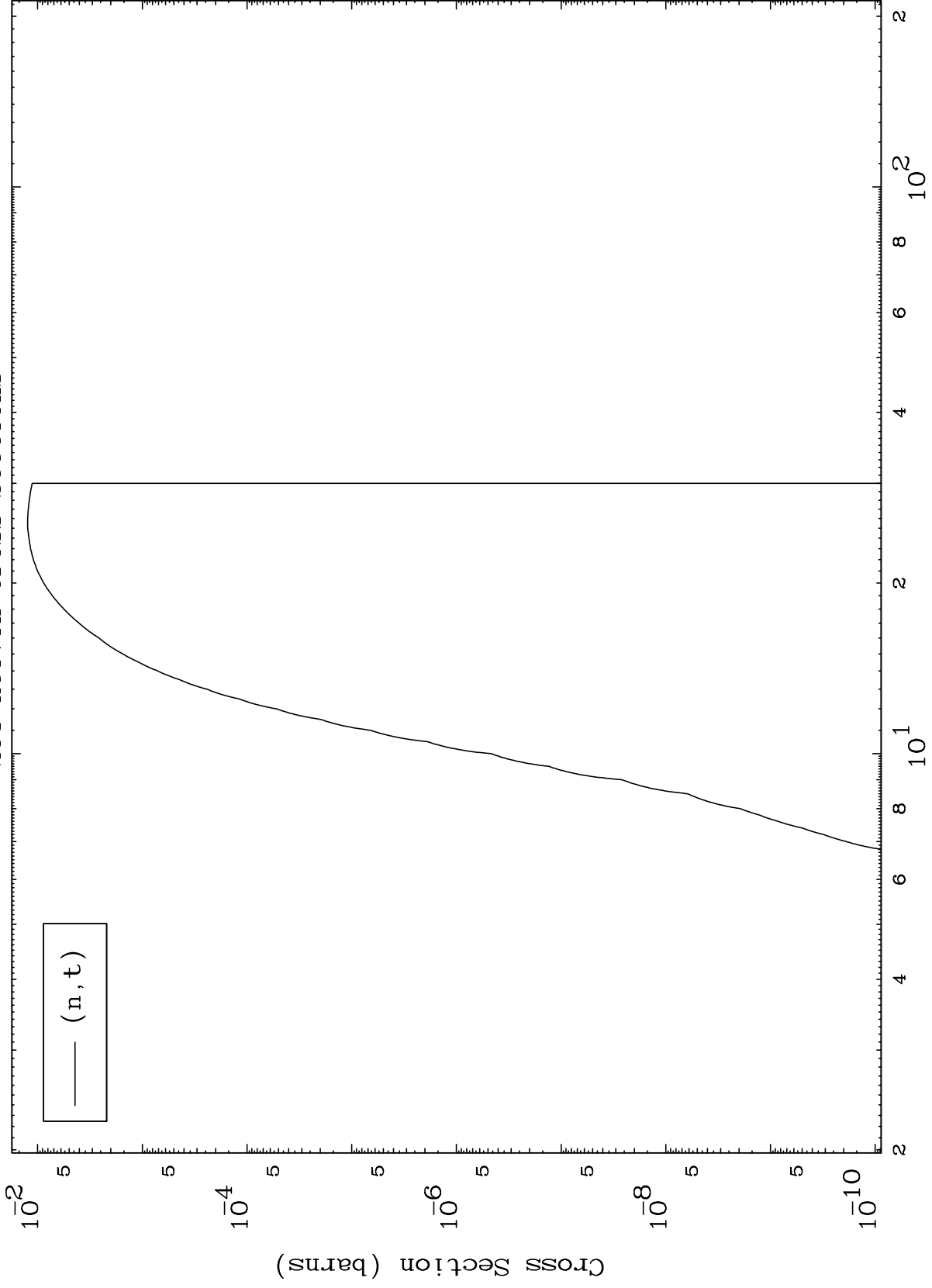
Incident Energy (MeV)

61-Pm-134

MAT 61111

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-134



11

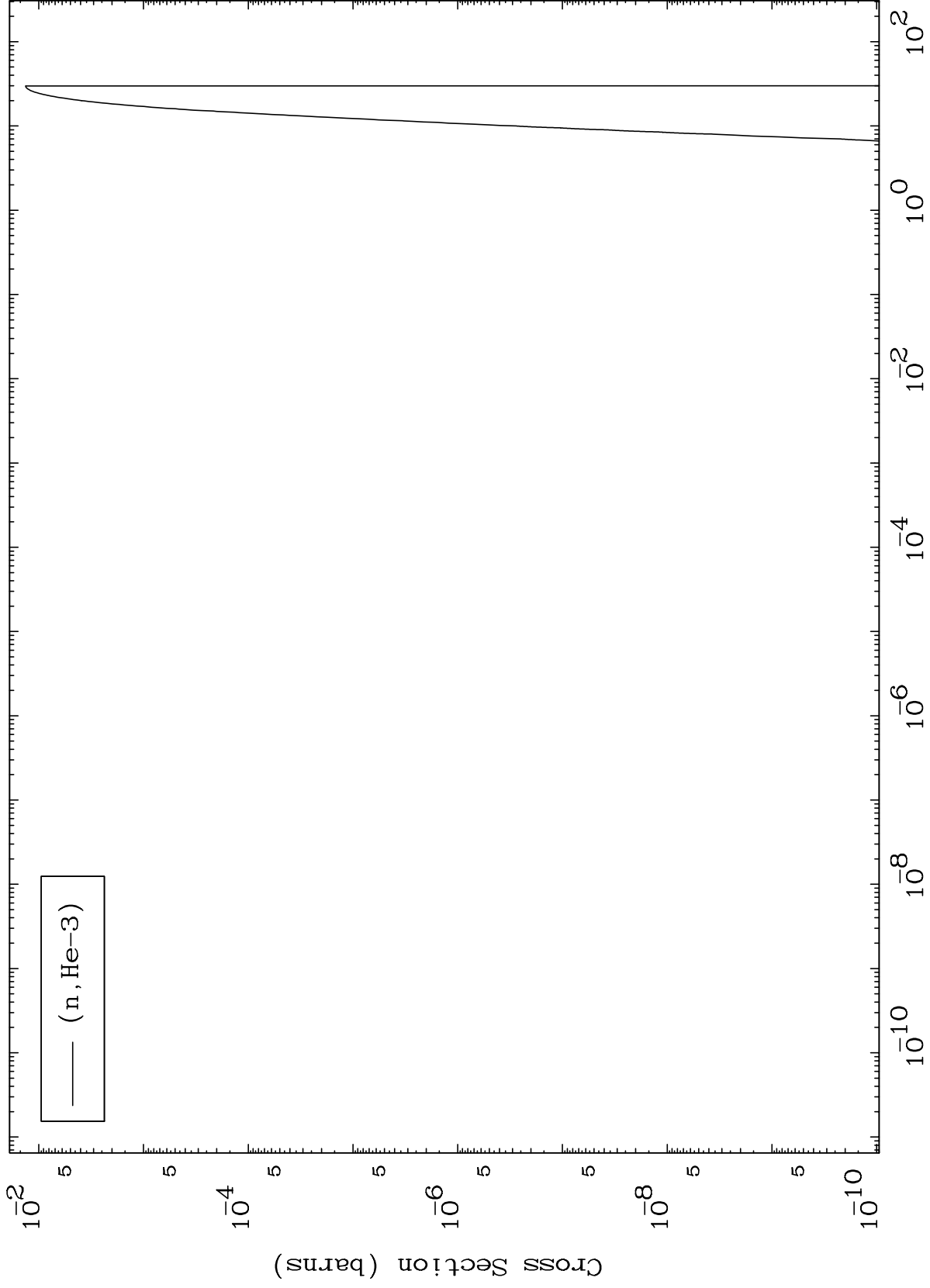
Incident Energy (MeV)

61-Pm-134

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(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-134



12

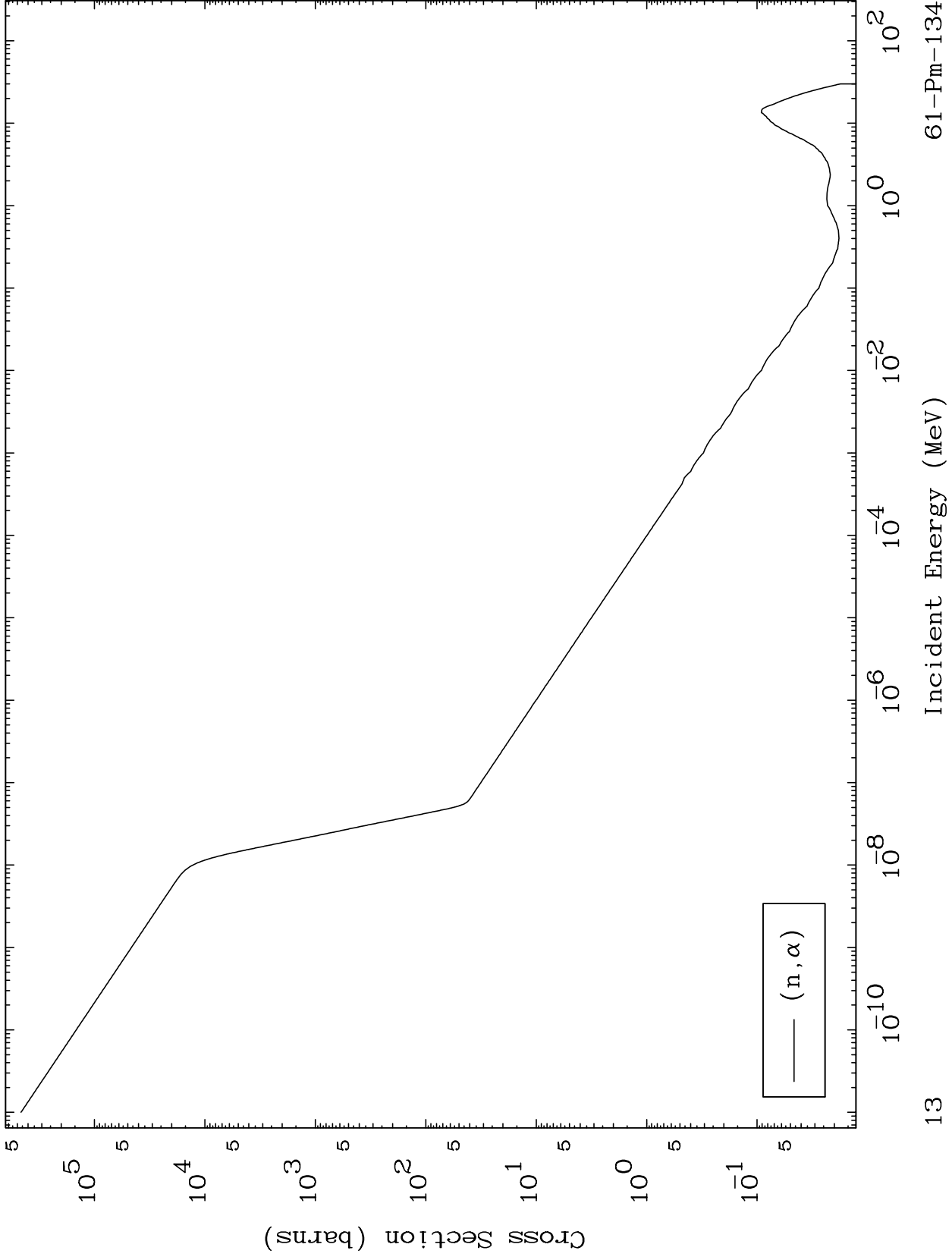
Incident Energy (MeV)

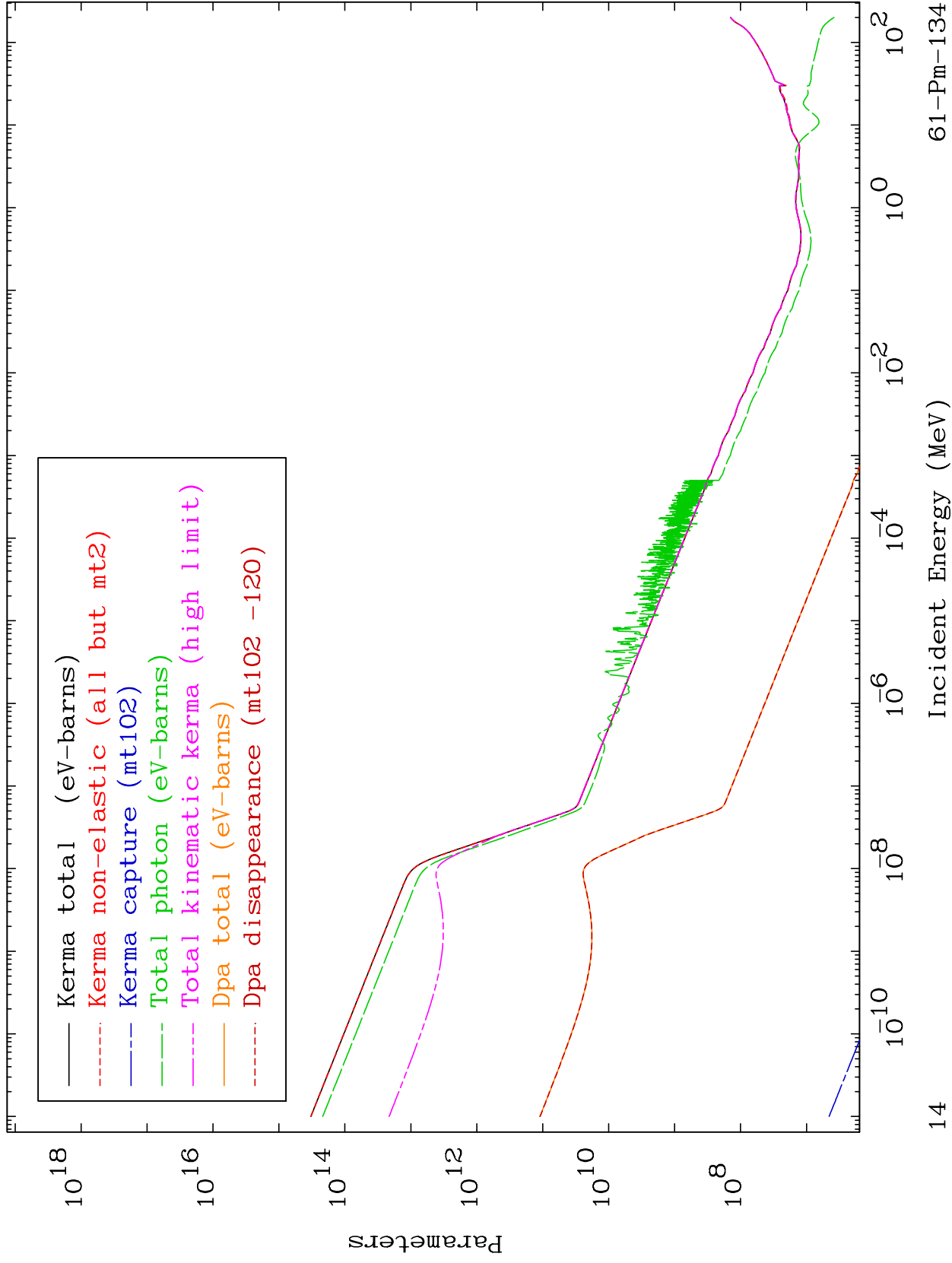
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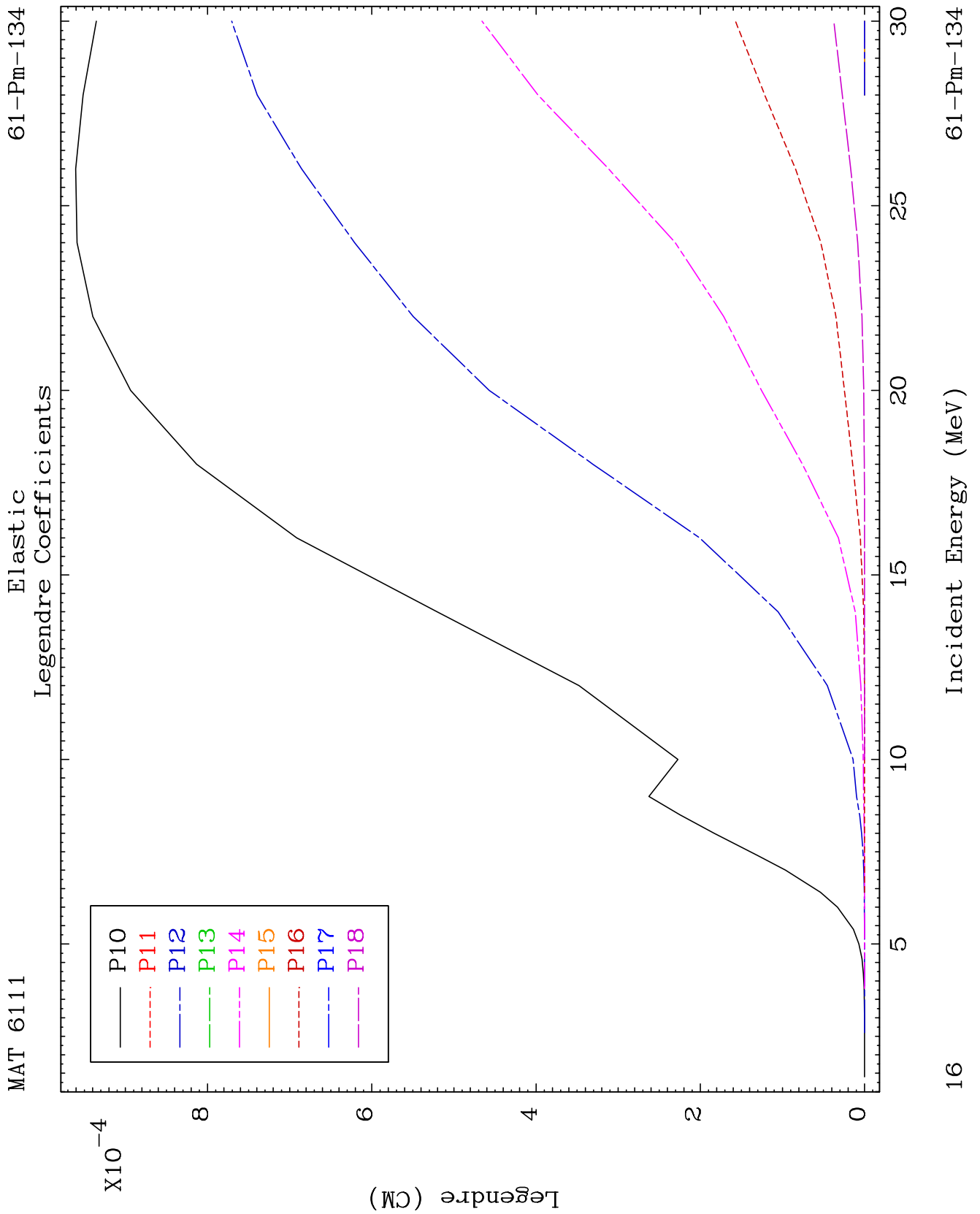
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(n,α) Levels
293 Kelvin Cross Sections

61-Pm-134



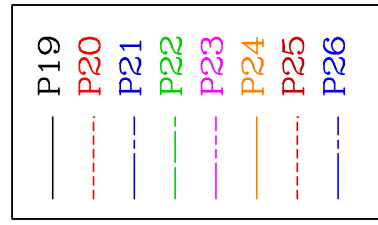




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Elastic
Legendre Coefficients

61-Pm-134



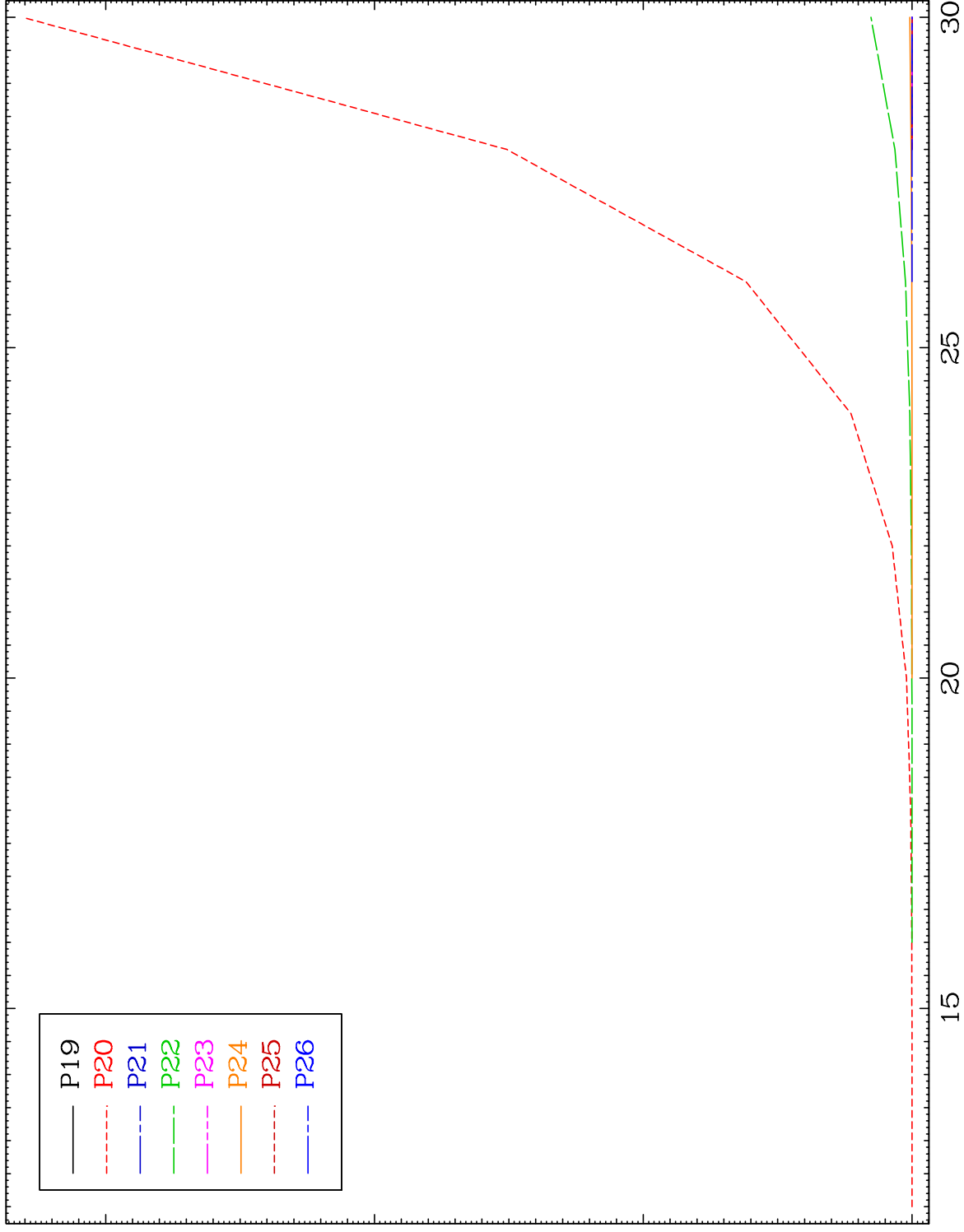
$\times 10^{-6}$
3
2
1
0

Legendre (CM)

17

Incident Energy (MeV)

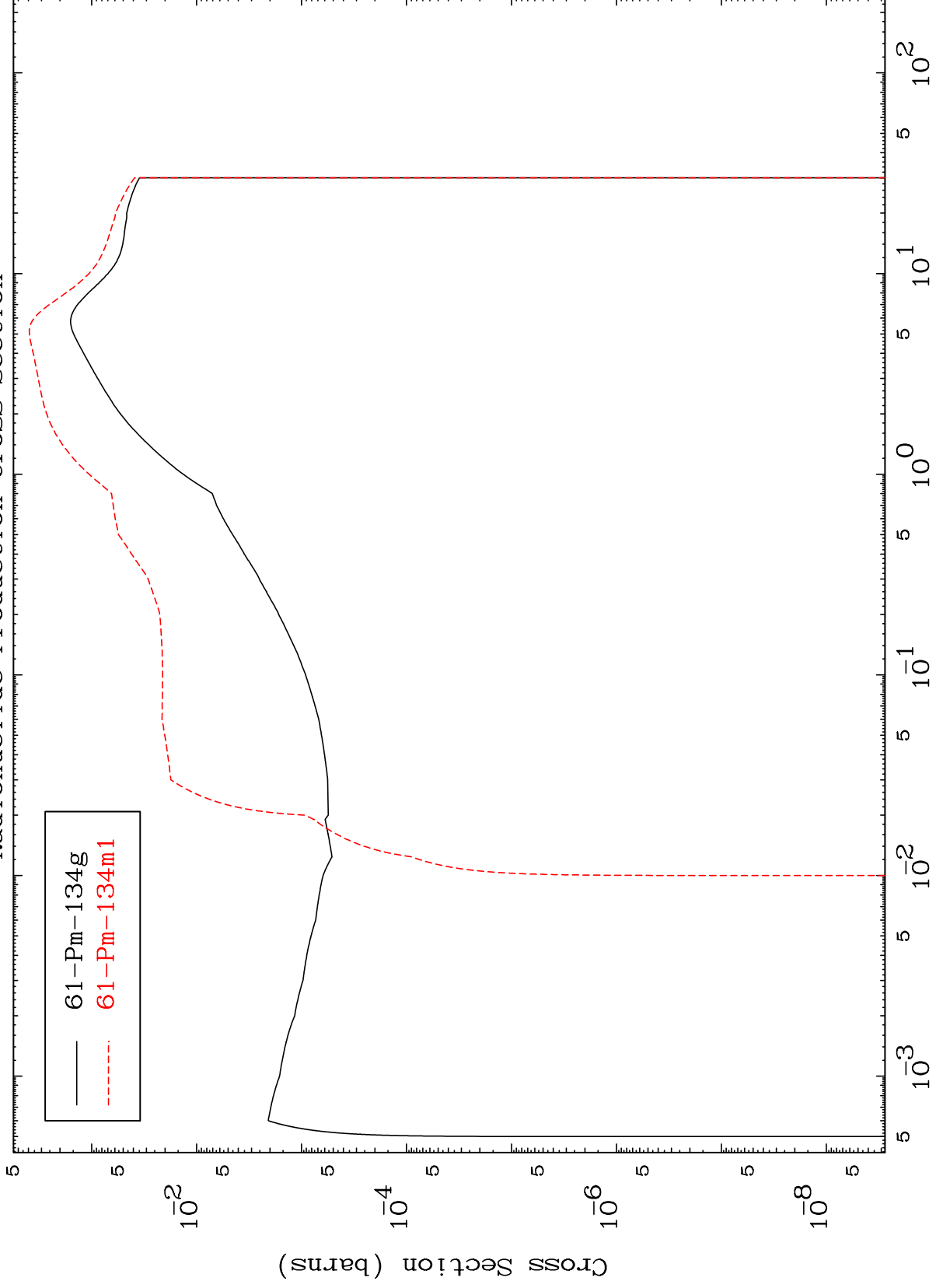
61-Pm-134



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61-Pm-134

Inelastic
Radionuclide Production Cross Section



61-Pm-134

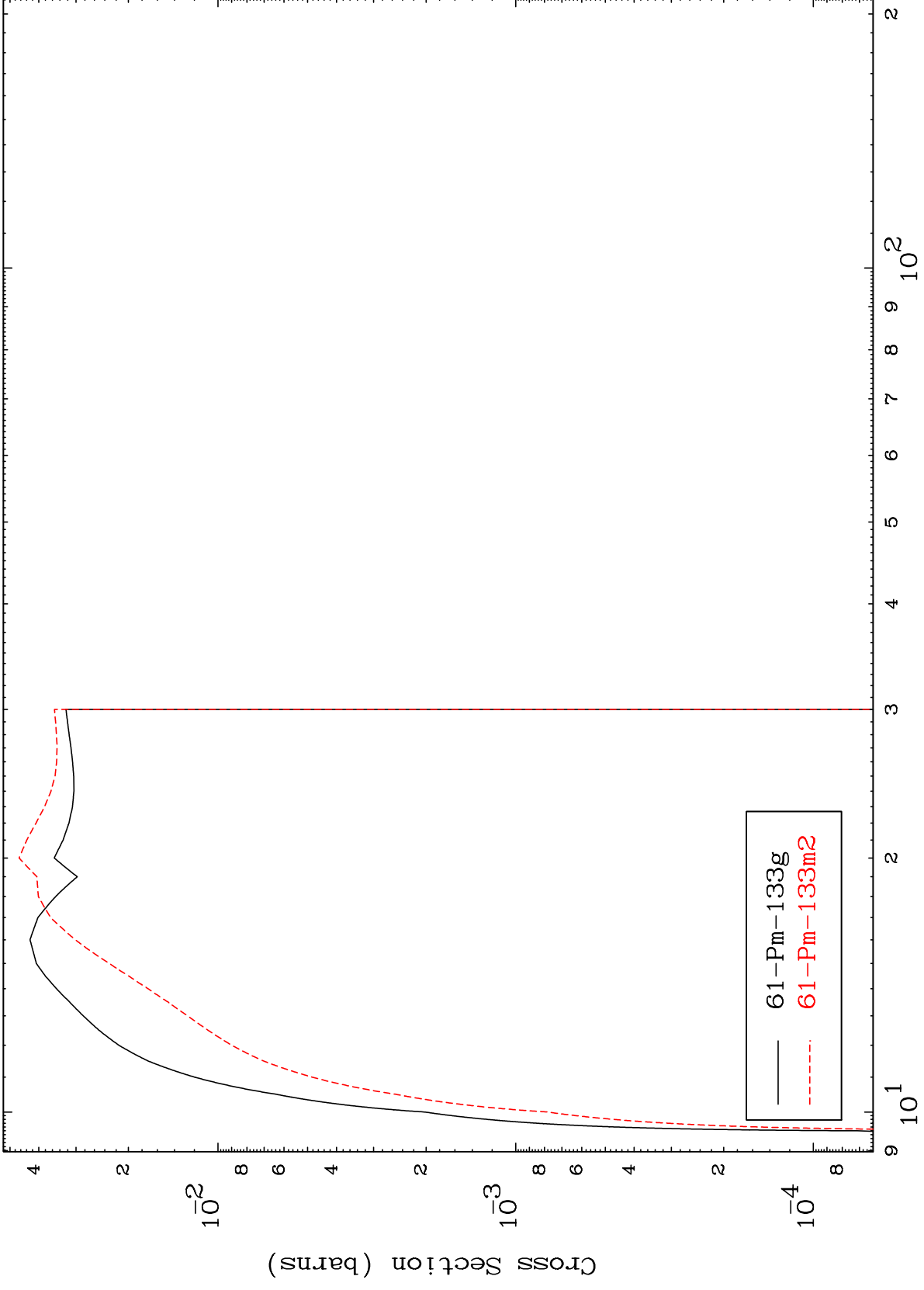
Incident Energy (MeV)

18

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61-Pm-134

(n,2n)
Radionuclide Production Cross Section



61-Pm-134

Incident Energy (MeV)

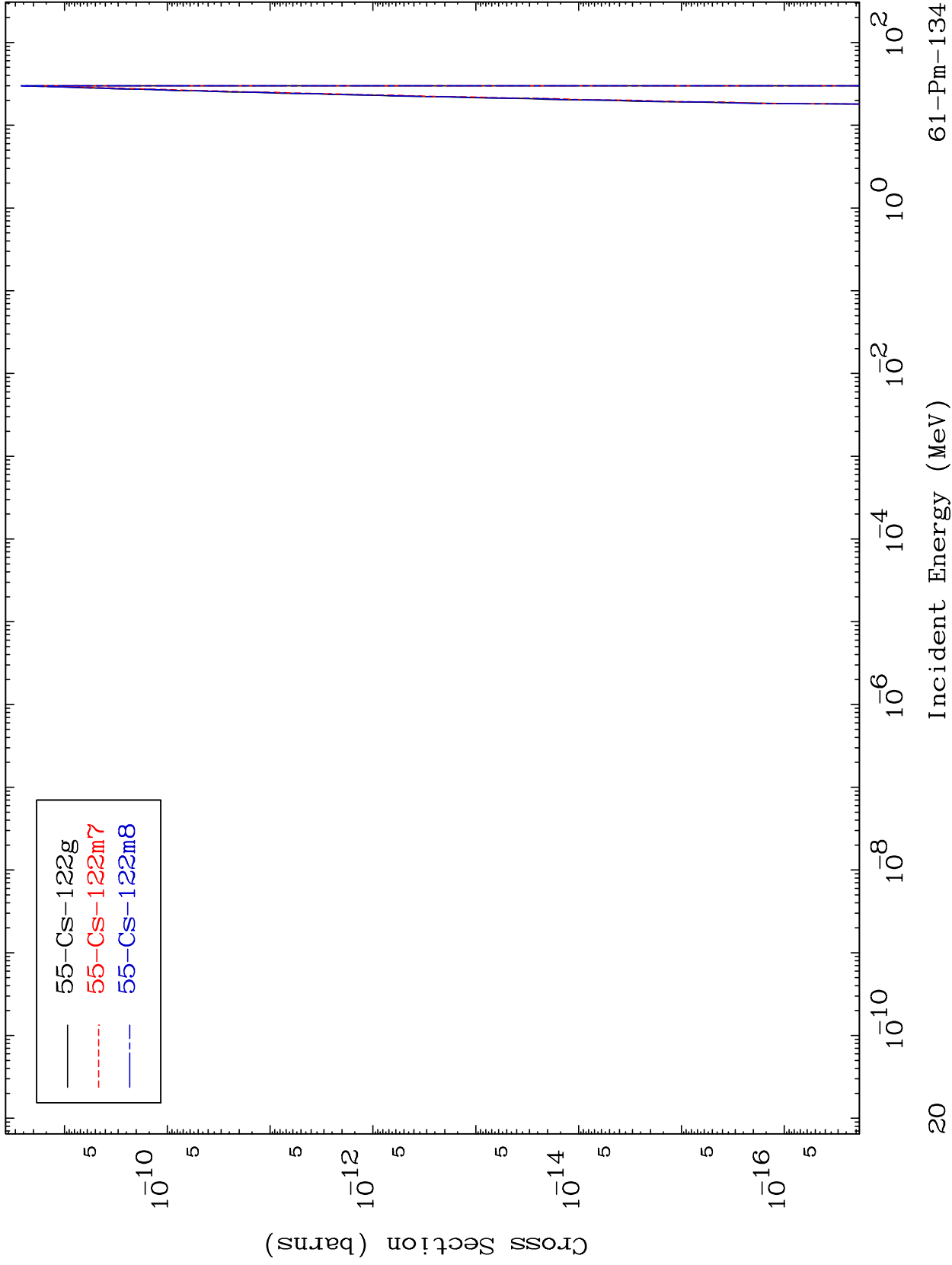
19

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(n,n') 3 α

61-Pm-134

Radionuclide Production Cross Section

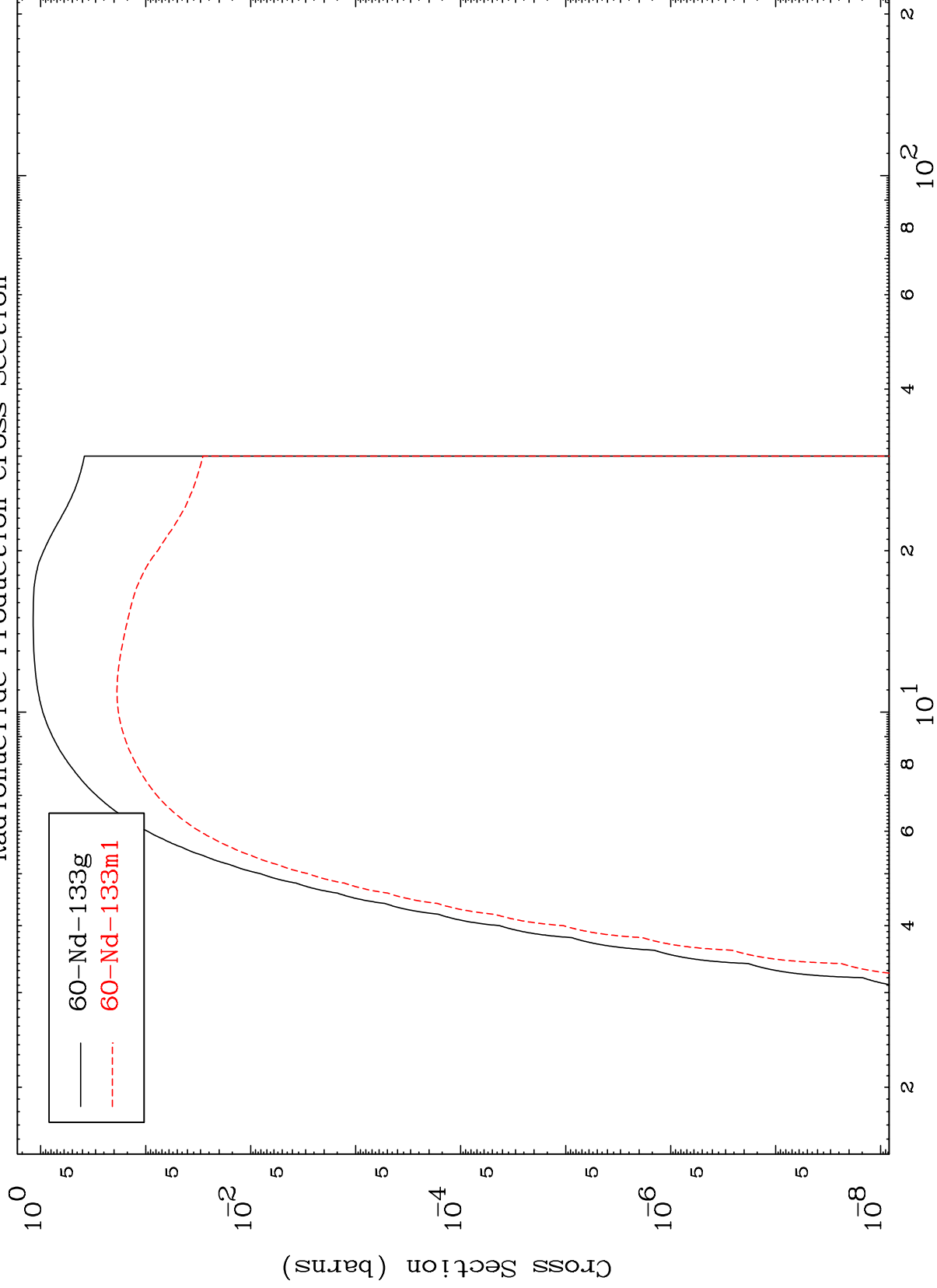


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(n,n') p

61-Pm-134

Radionuclide Production Cross Section



21

Incident Energy (MeV)

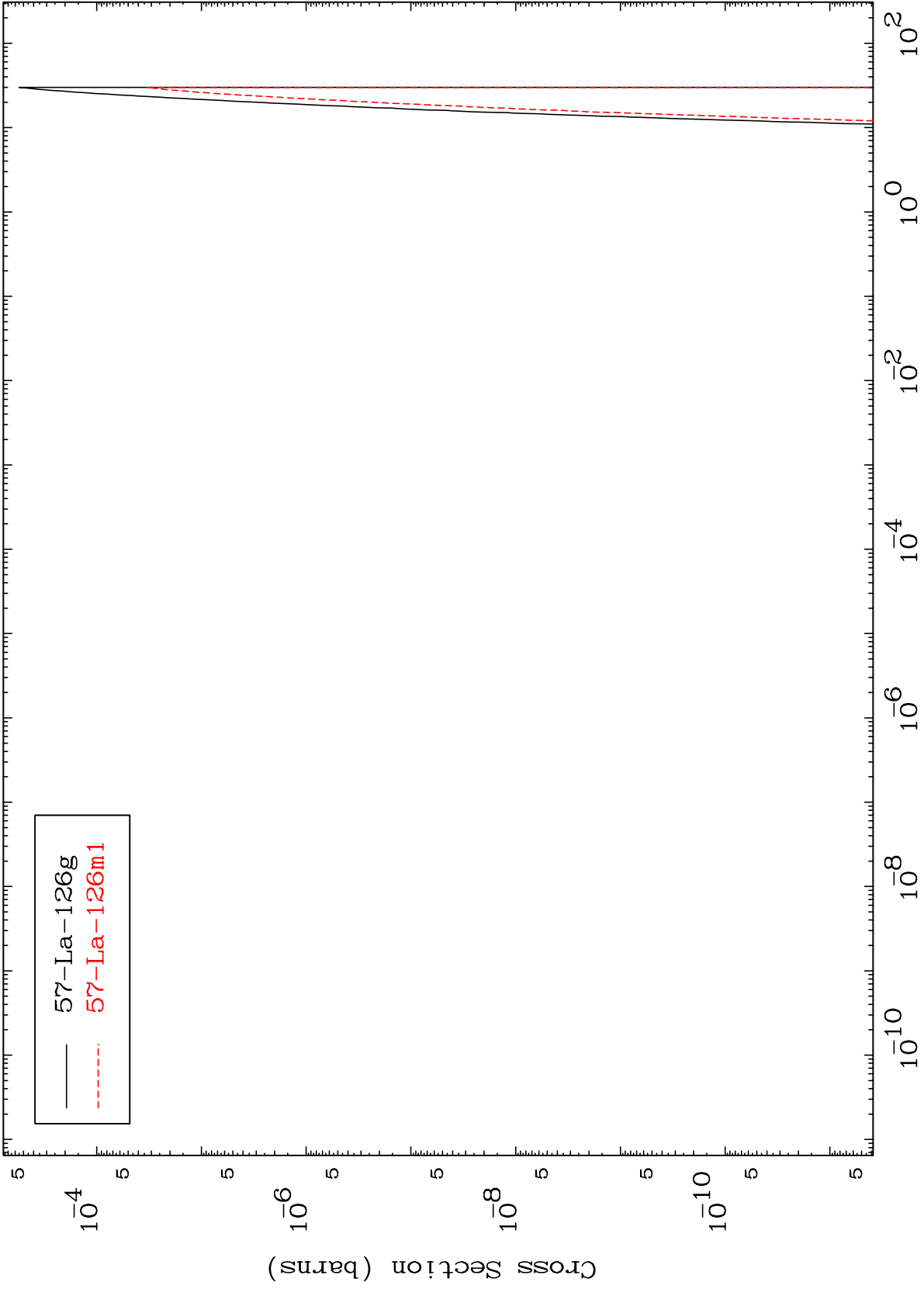
61-Pm-134

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(n,n') 2α

61-Pm-134

Radionuclide Production Cross Section



22

Incident Energy (MeV)

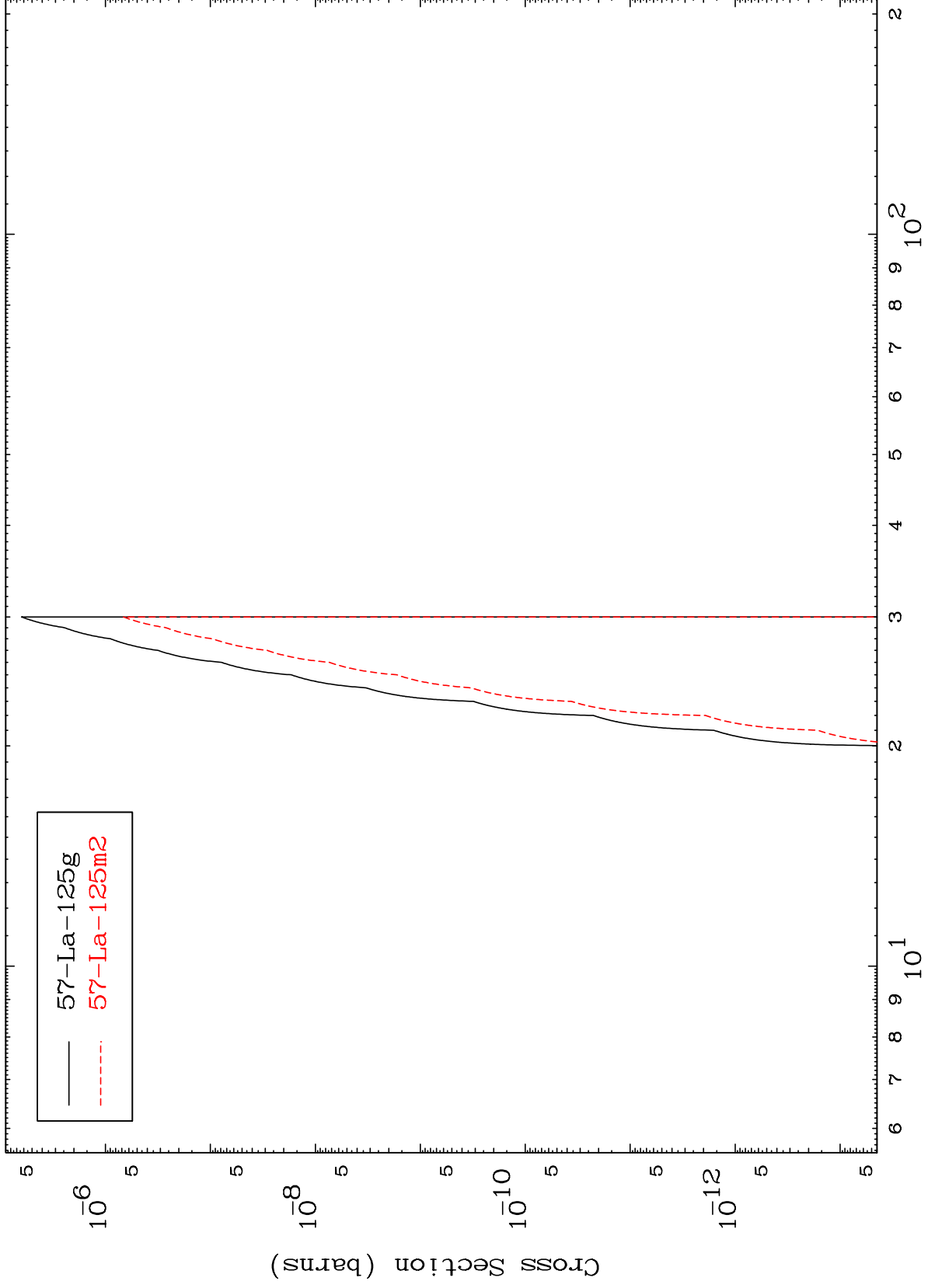
61-Pm-134

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(n,2n) 2α

61-Pm-134

Radionuclide Production Cross Section



23

Incident Energy (MeV)

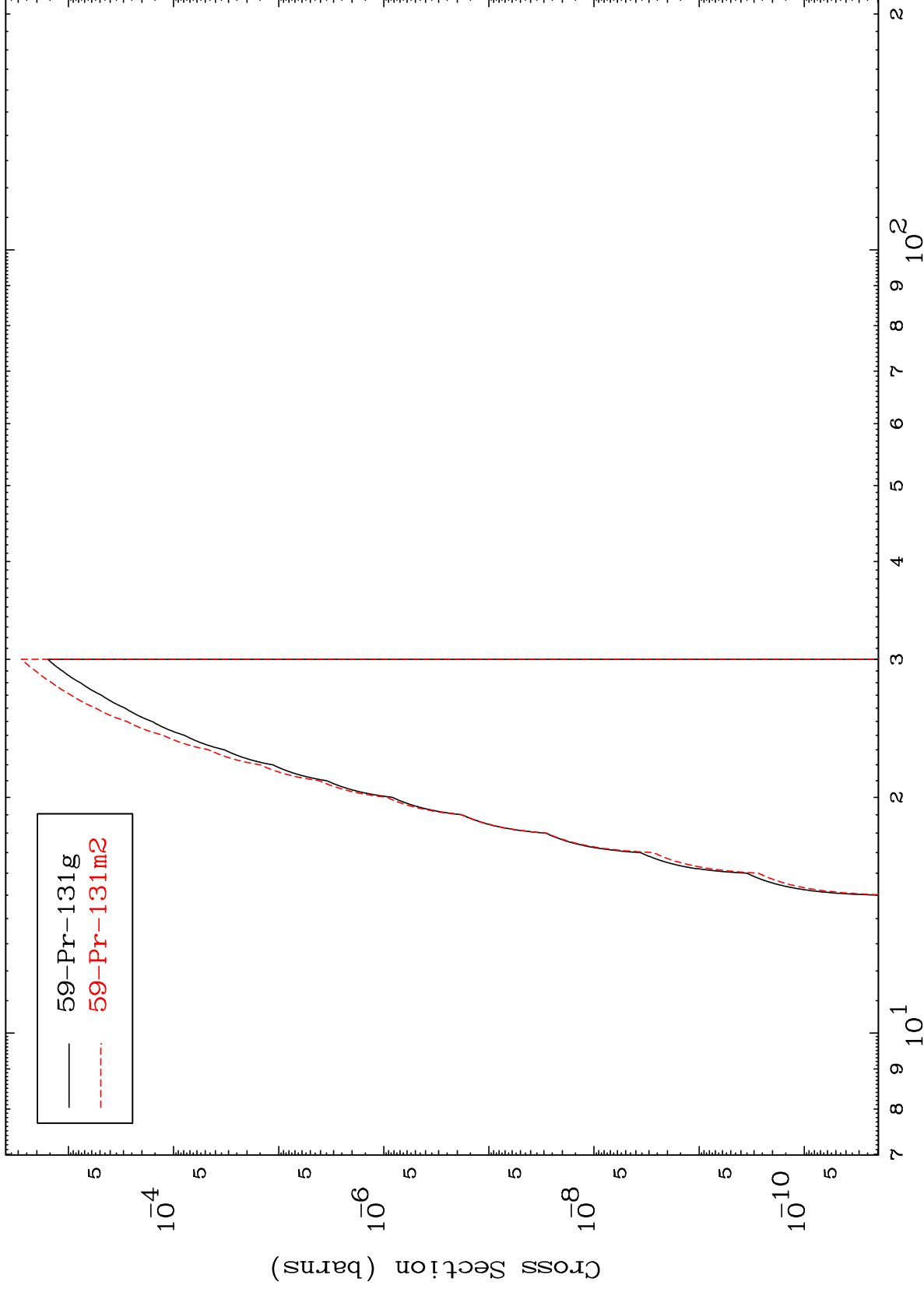
61-Pm-134

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(n,n') He-3

61-Pm-134

Radionuclide Production Cross Section



24

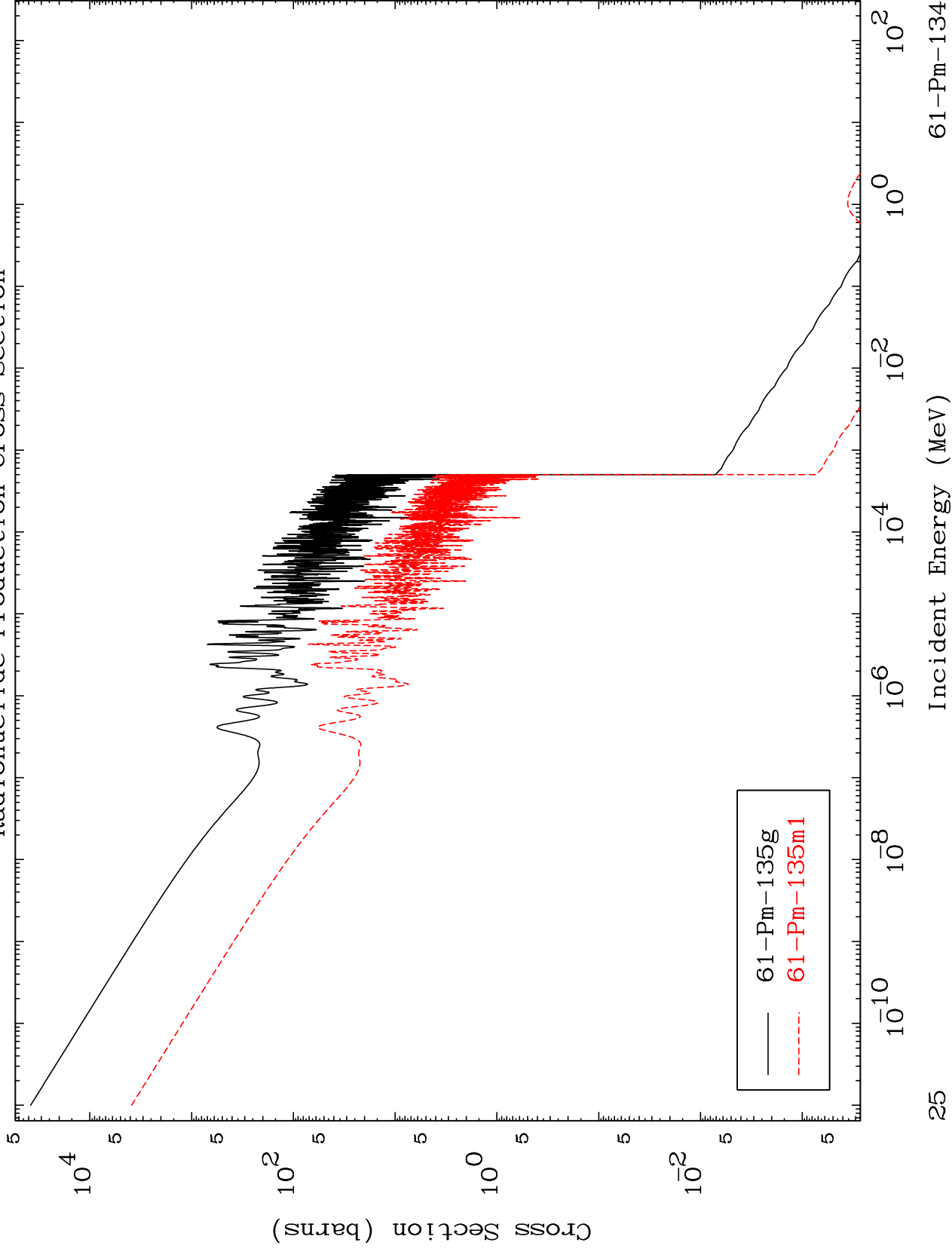
Incident Energy (MeV)

61-Pm-134

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61-Pm-134

(n,γ)
Radionuclide Production Cross Section

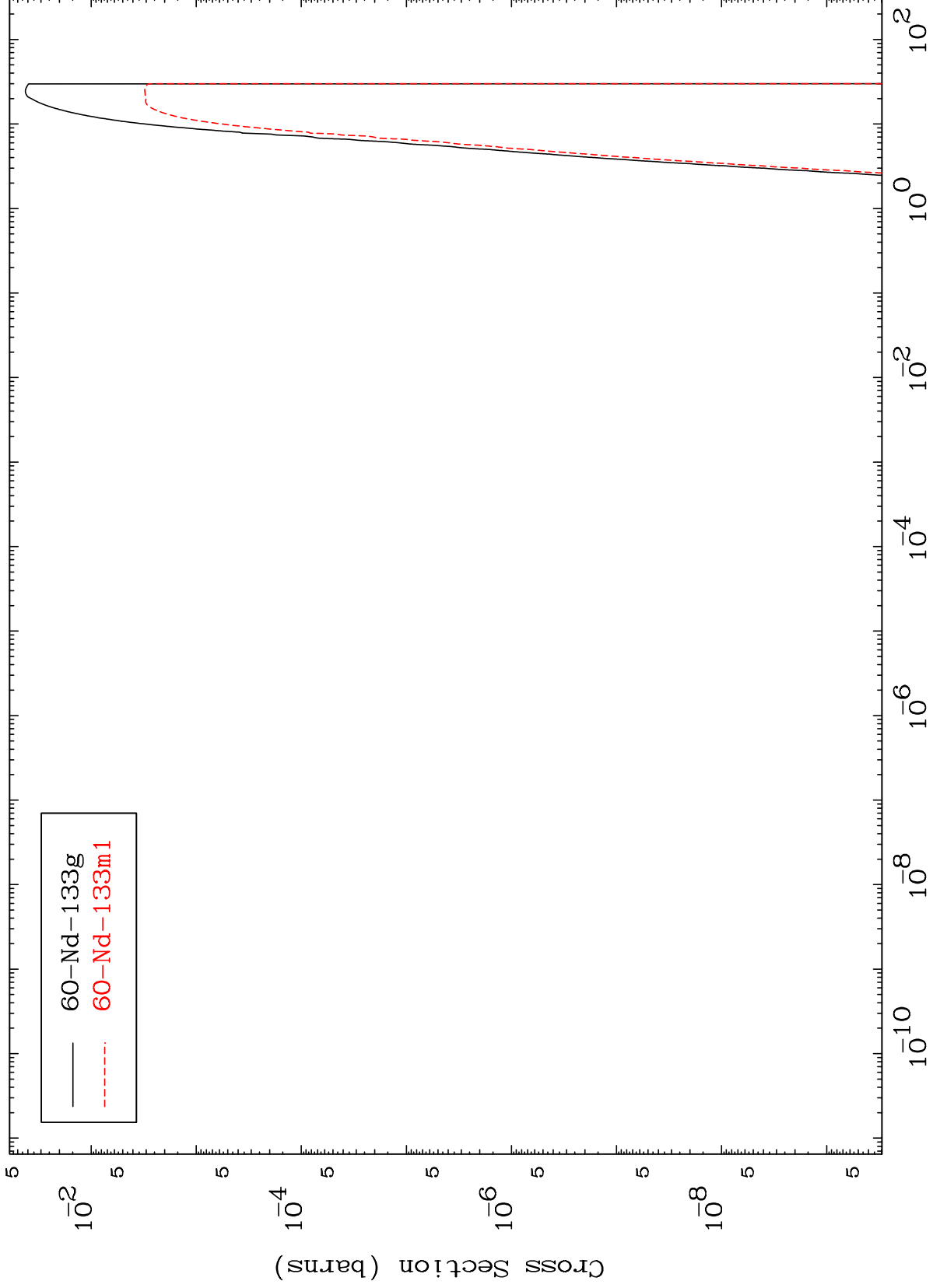


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(n,d)

61-Pm-134

Radionuclide Production Cross Section



26

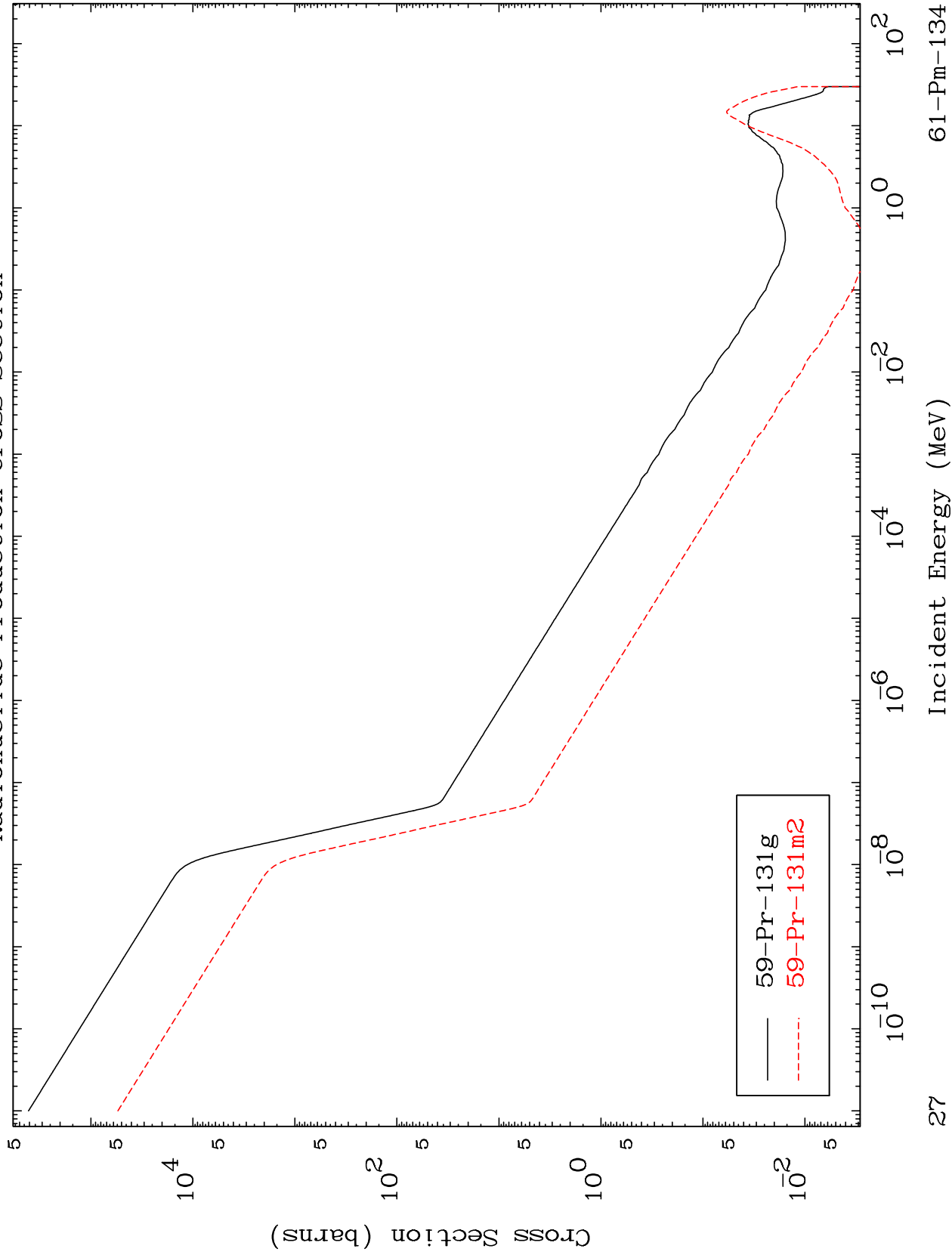
Incident Energy (MeV)

61-Pm-134

MAT 6111

61-Pm-134

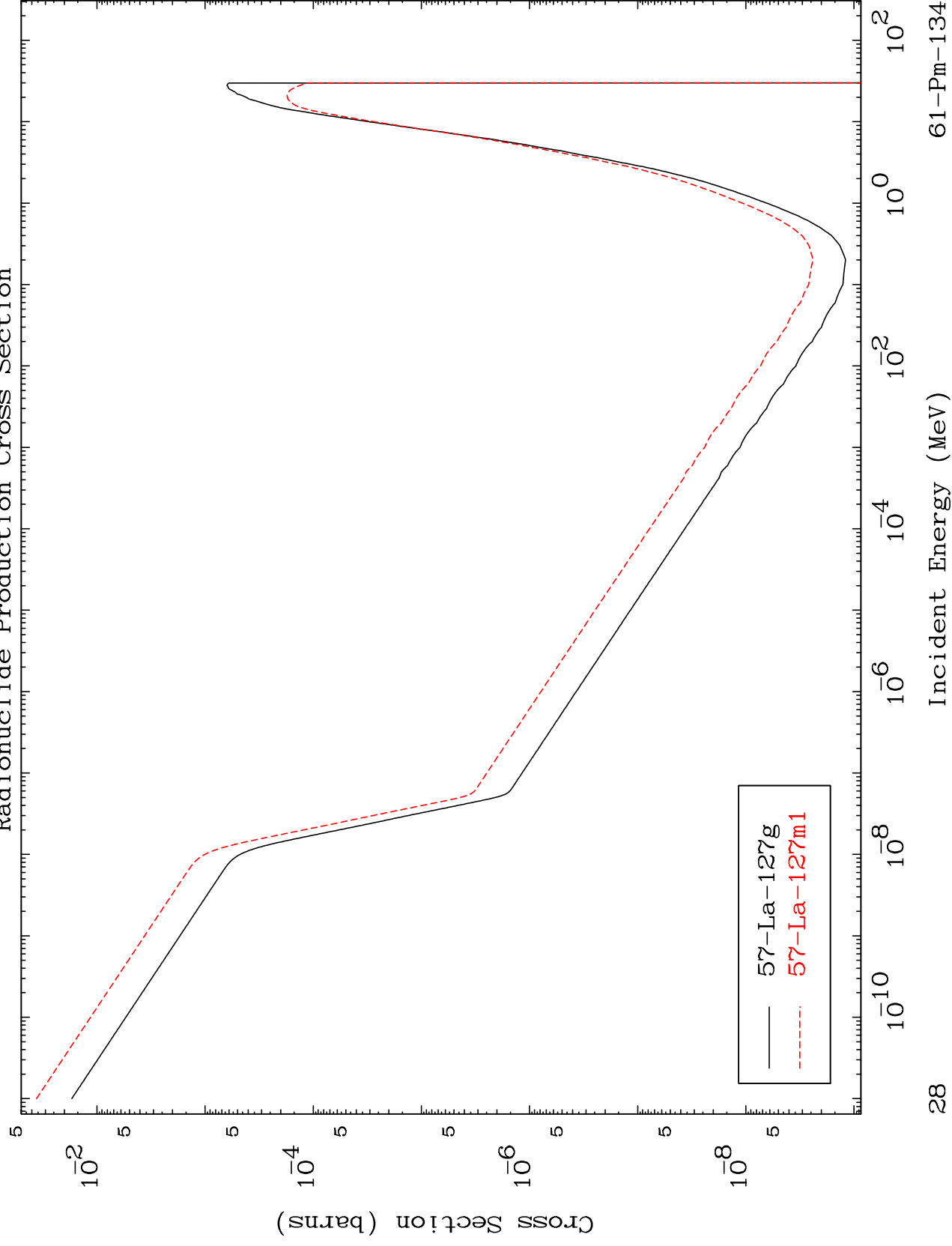
Radionuclide Production Cross Section



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61-Pm-134

Radionuclide Production Cross Section
(n,2α)

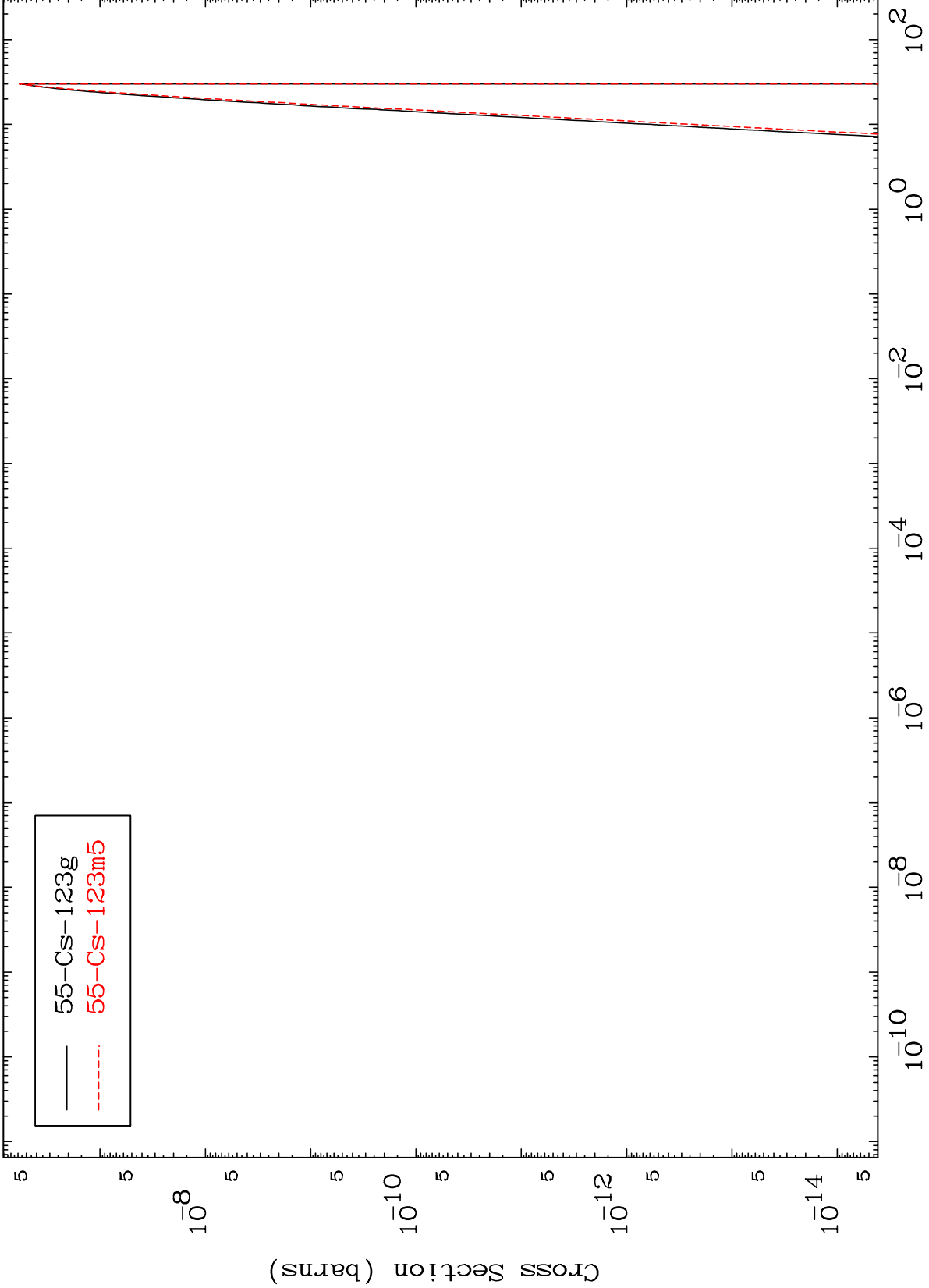


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(n,3α)

61-Pm-134

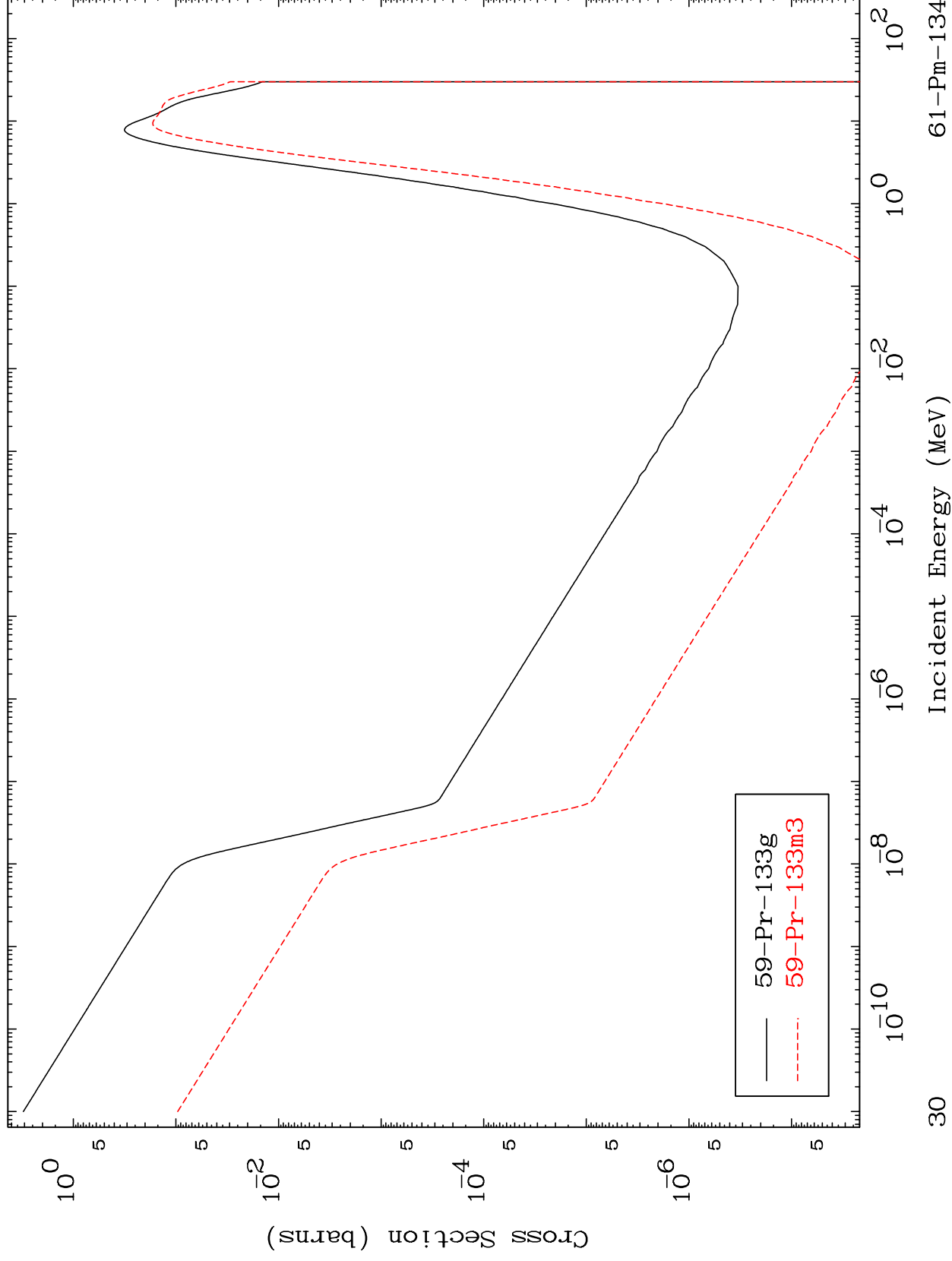
Radionuclide Production Cross Section



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61-Pm-134

(n,2p)
Radionuclide Production Cross Section



61-Pm-134

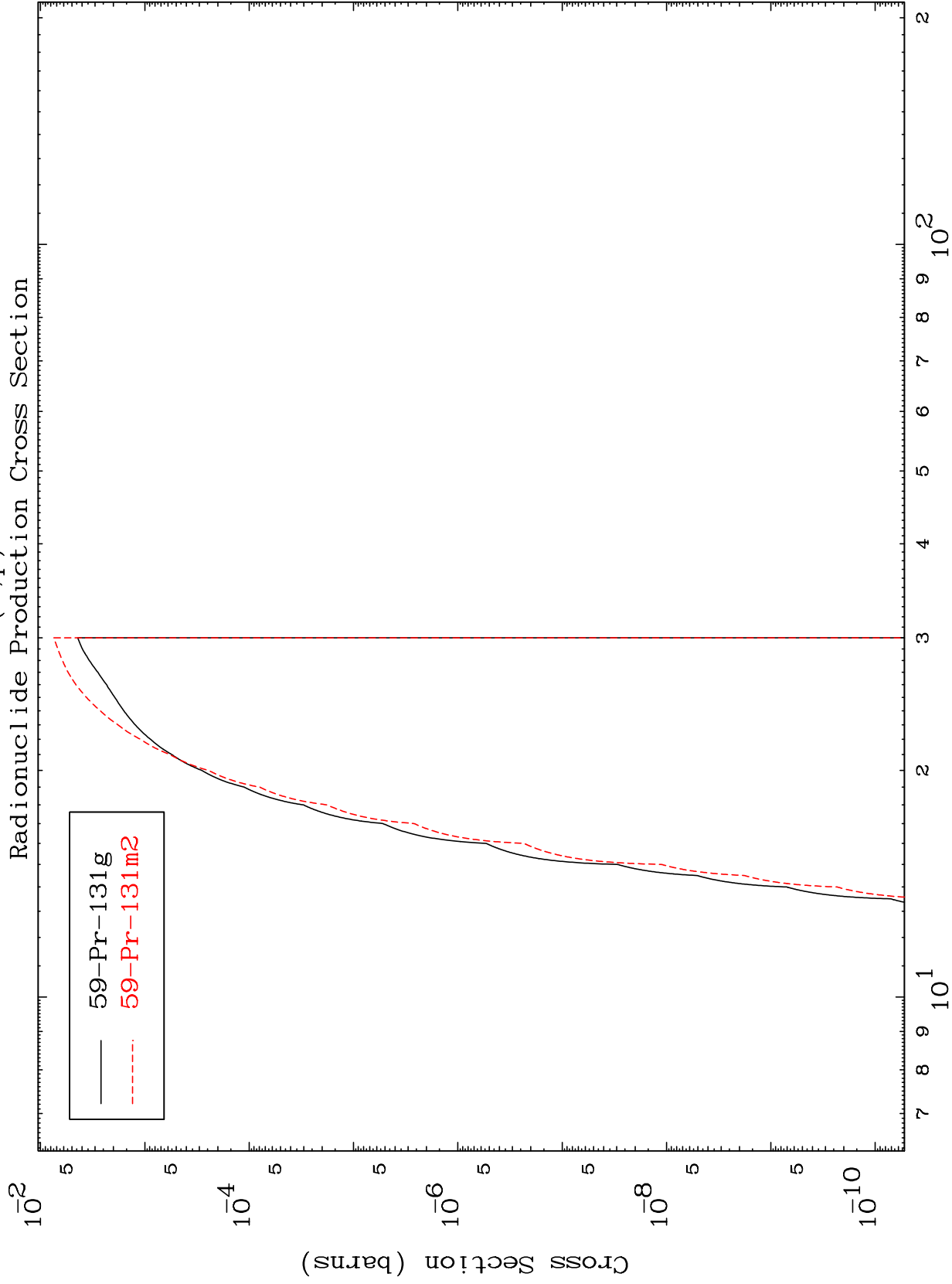
Incident Energy (MeV)

30

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(n,p) t

61-Pm-134



31

Incident Energy (MeV)

61-Pm-134