

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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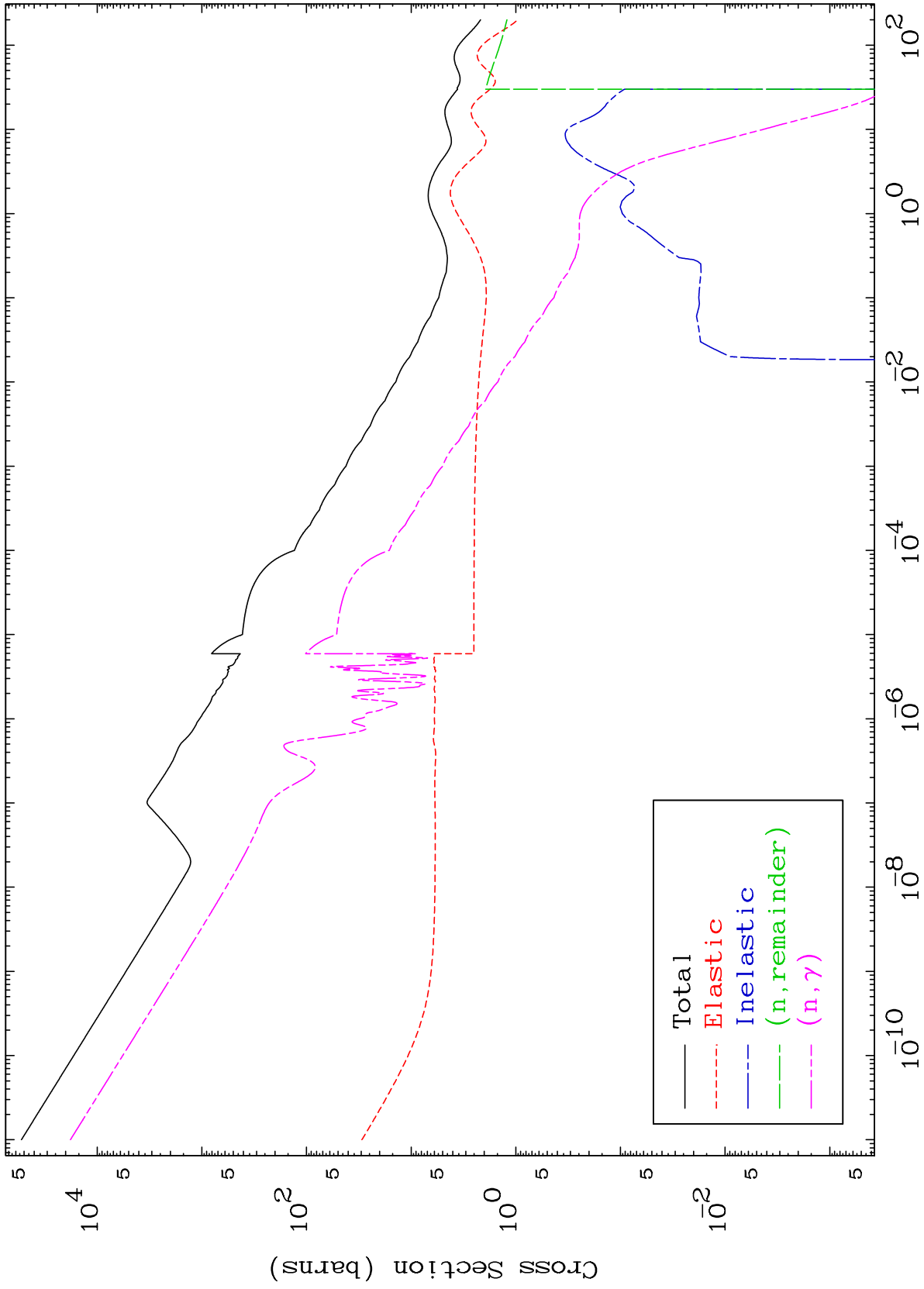
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6108

Major  
293 Kelvin Cross Sections

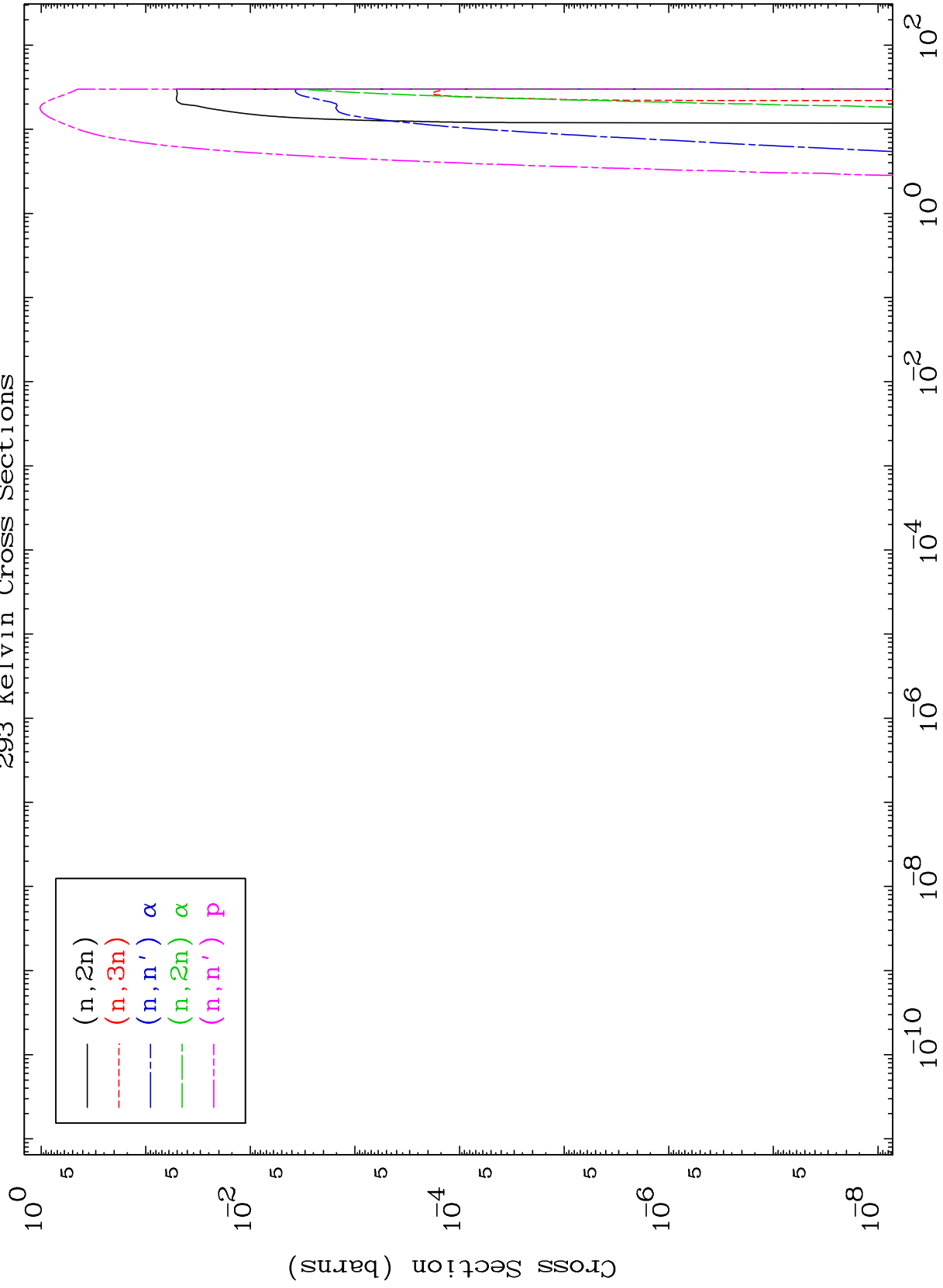
61-Pm-133



MAT 6108

Neutron Production  
293 Kelvin Cross Sections

61-Pm-133



2

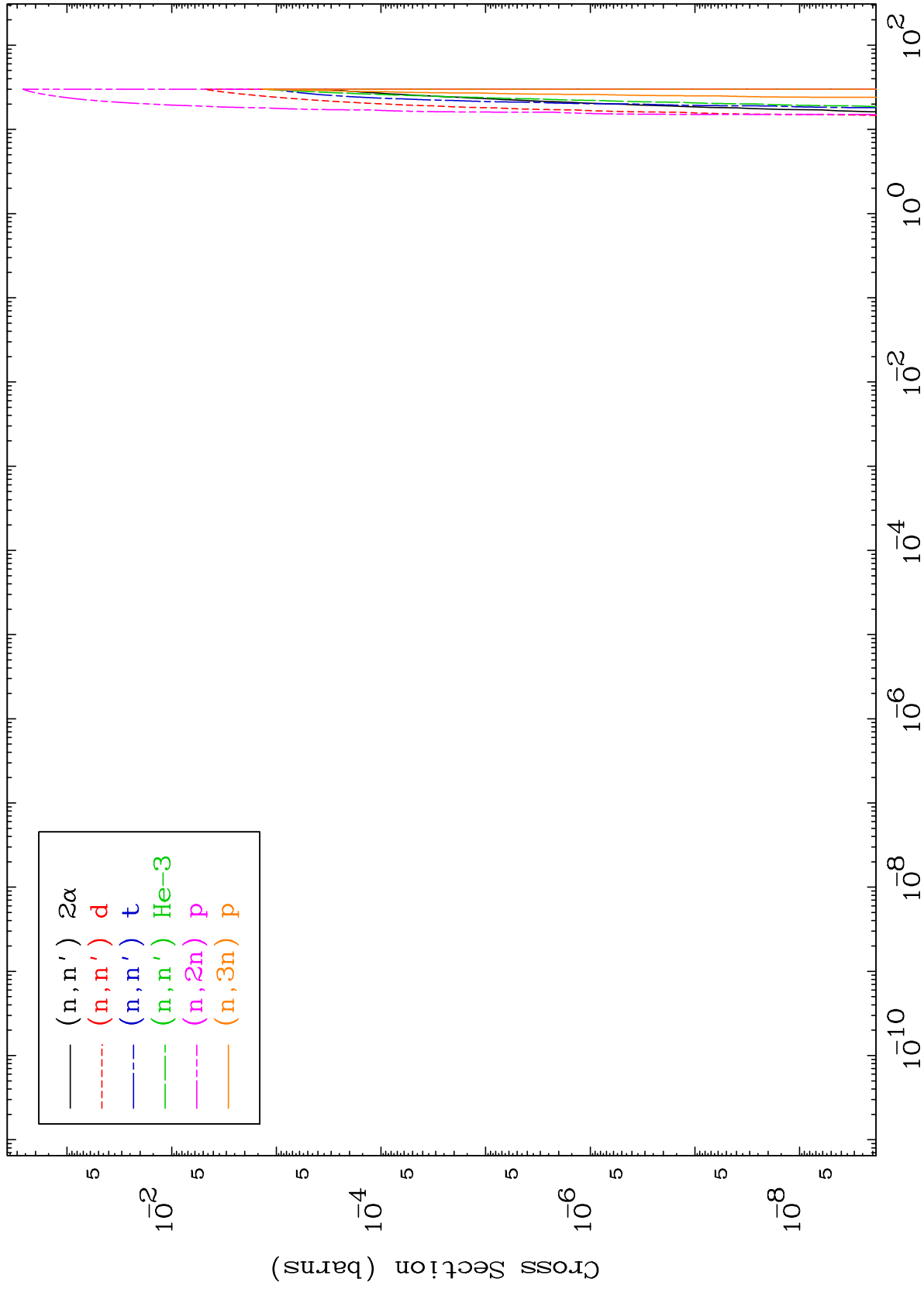
Incident Energy (MeV)

61-Pm-133

MAT 6108

Neutron Production  
293 Kelvin Cross Sections

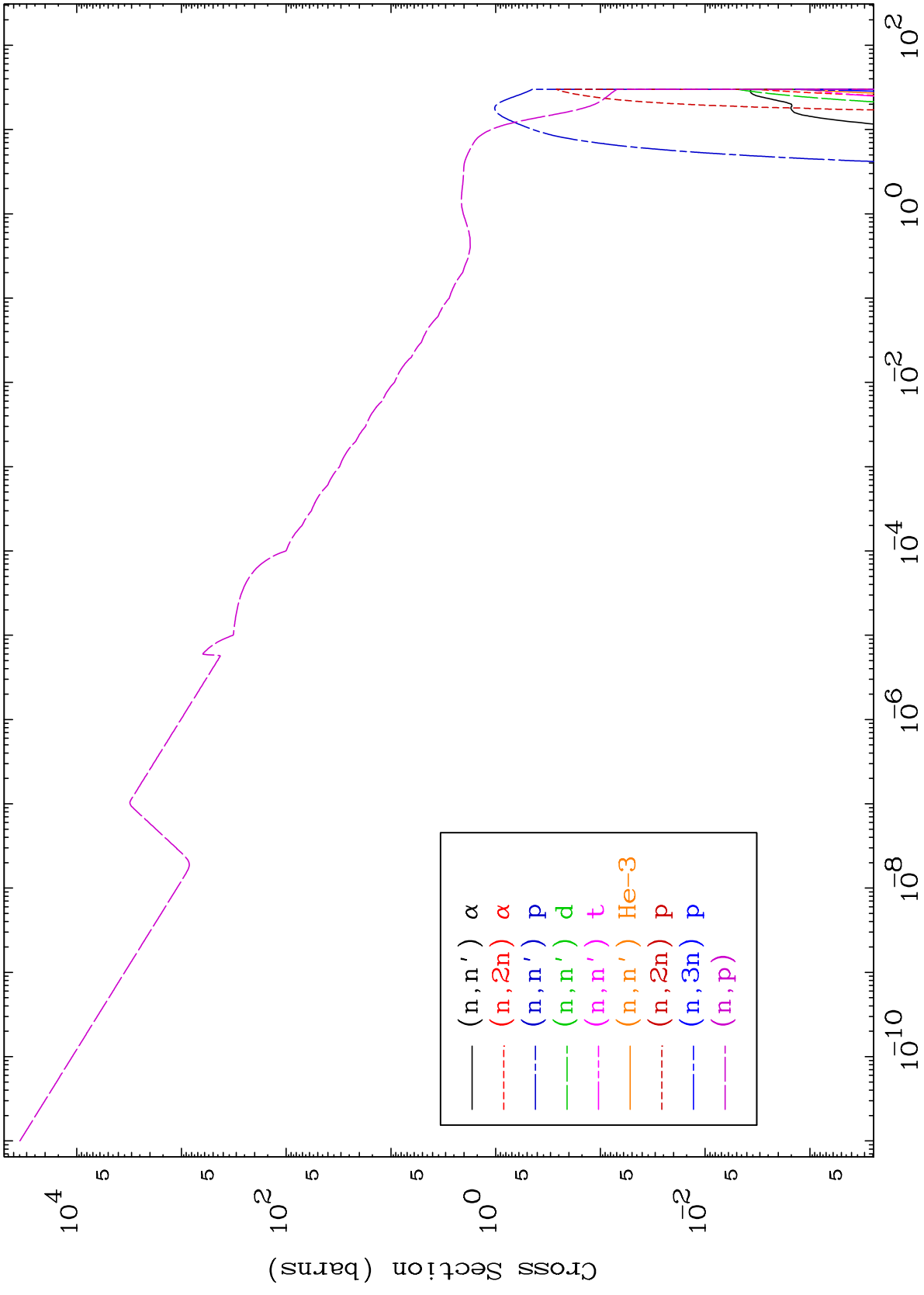
61-Pm-133



MAT 6108

Charged Particle  
293 Kelvin Cross Sections

61-Pm-133

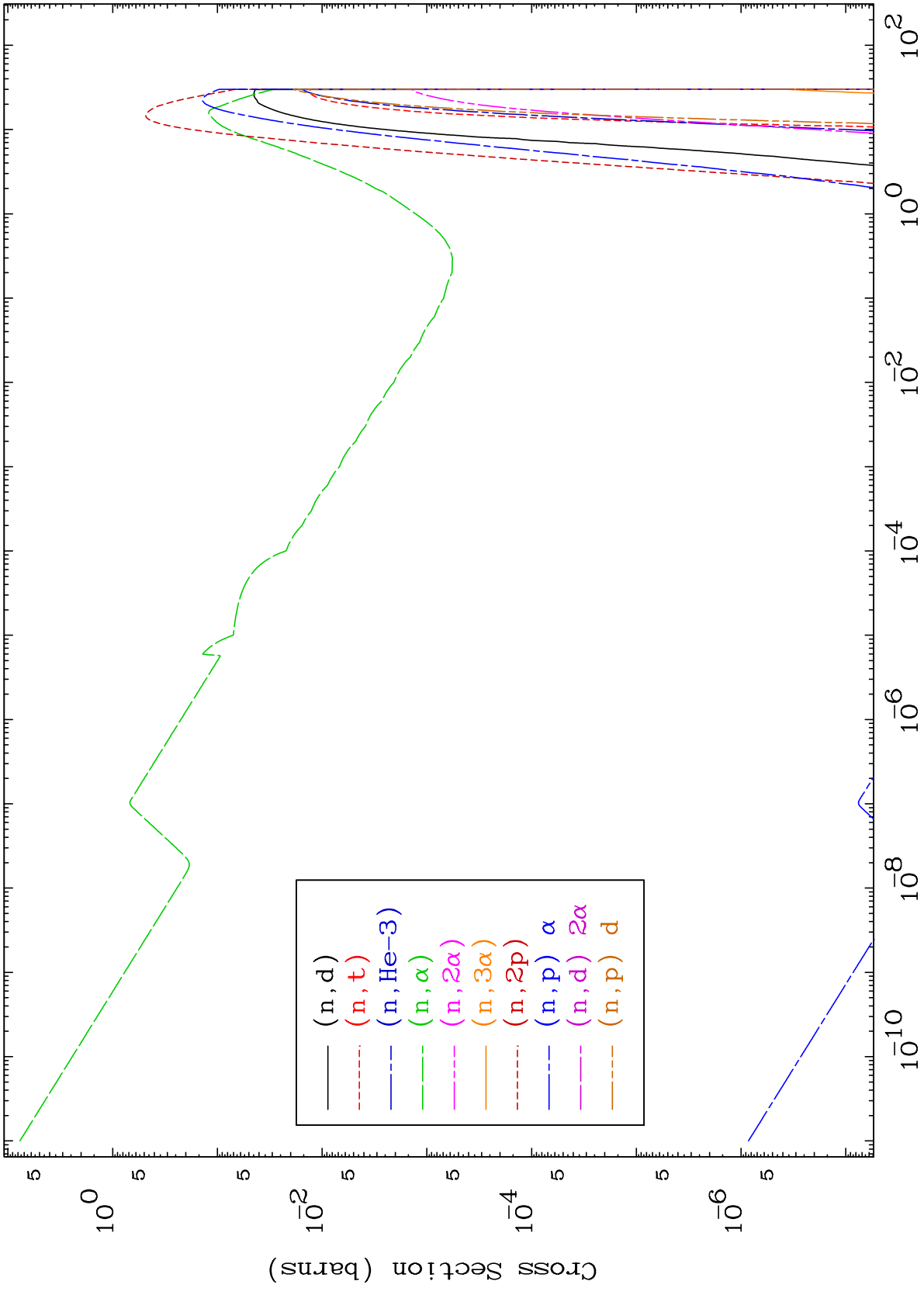


61-Pm-133

MAT 6108

Charged Particle  
293 Kelvin Cross Sections

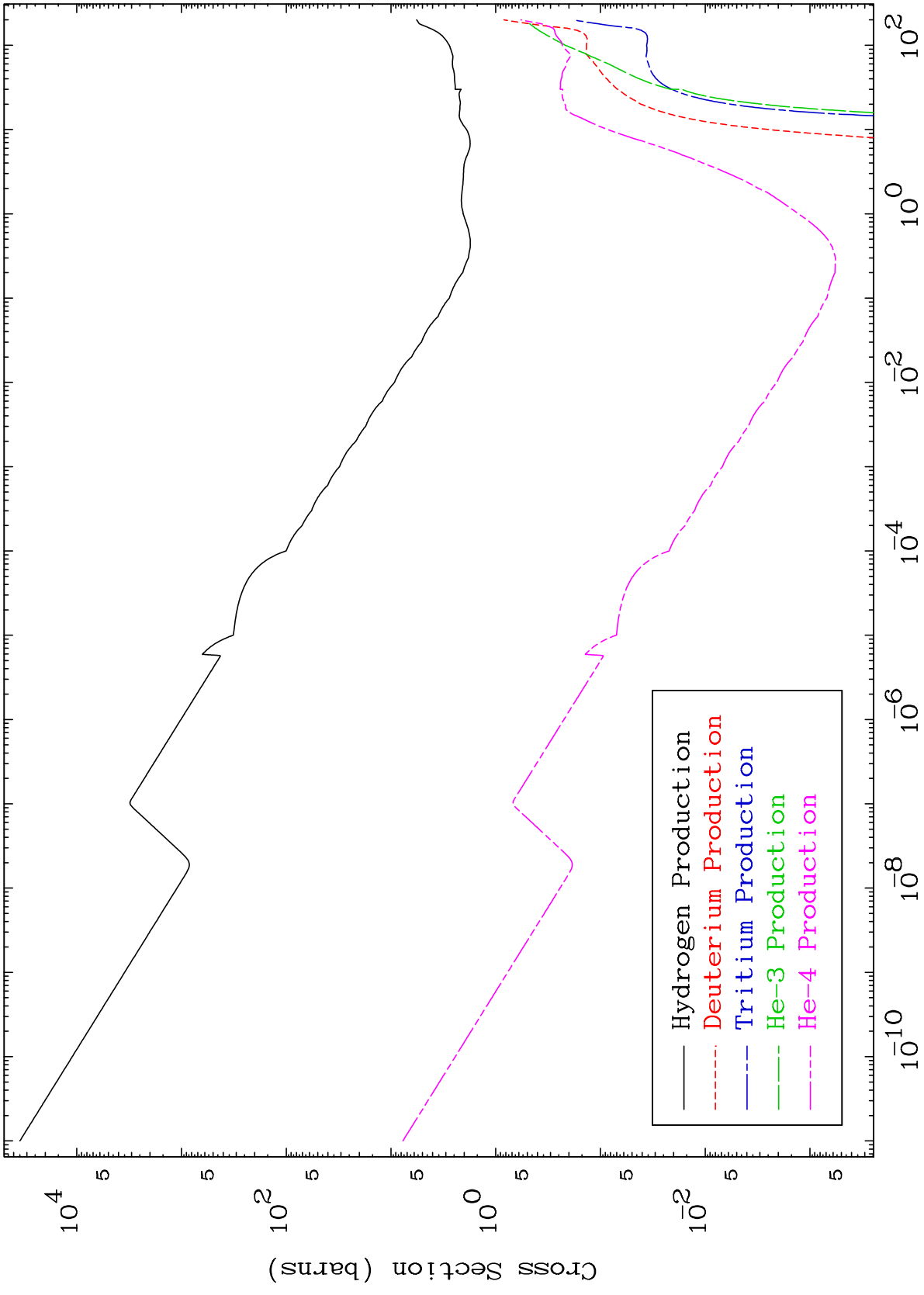
61-Pm-133



5

Incident Energy (MeV)

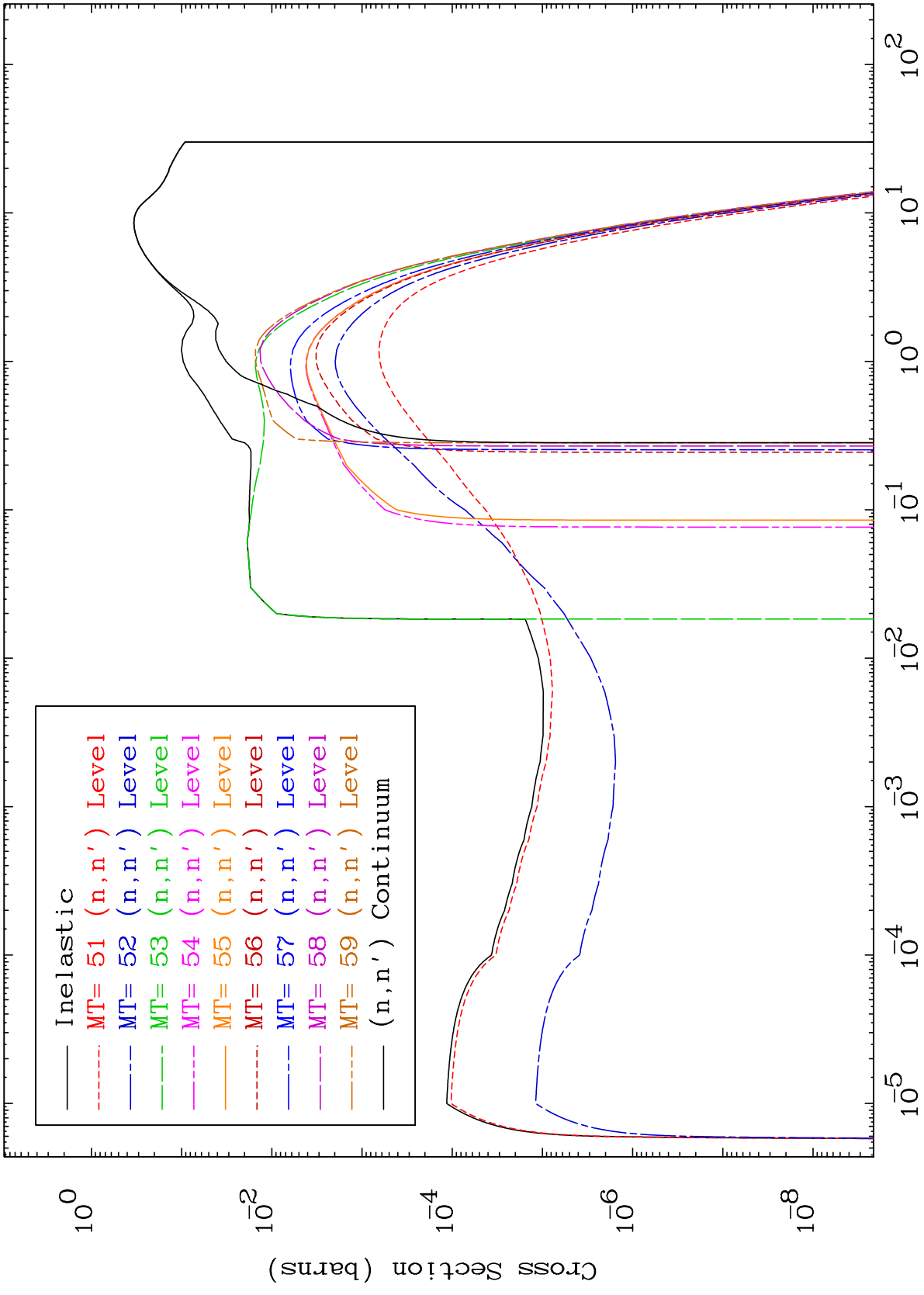
61-Pm-133



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293 Kelvin Cross Sections

61-Pm-133



61-Pm-133

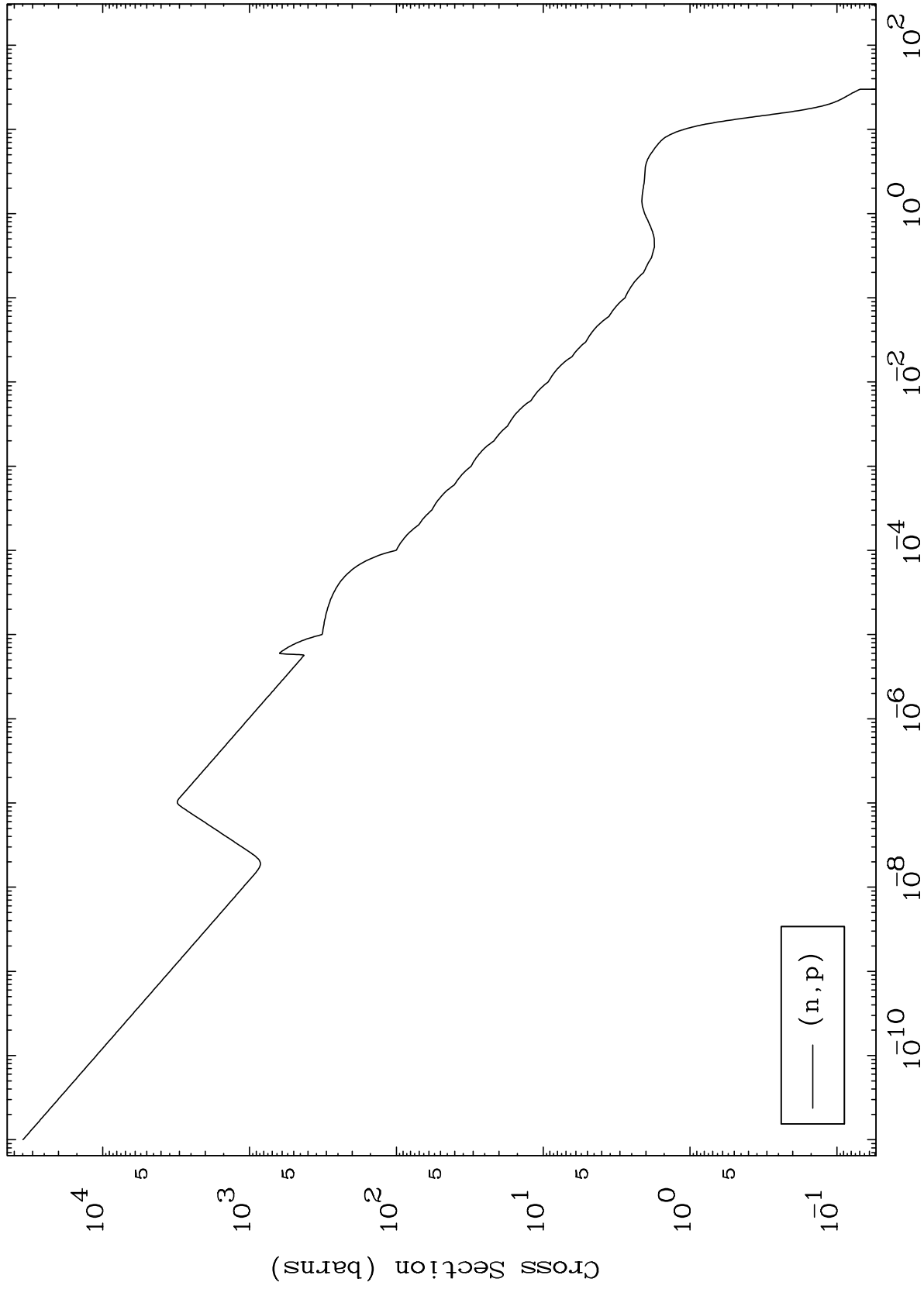
Incident Energy (MeV)



MAT 6108

(n,p) Levels  
293 Kelvin Cross Sections

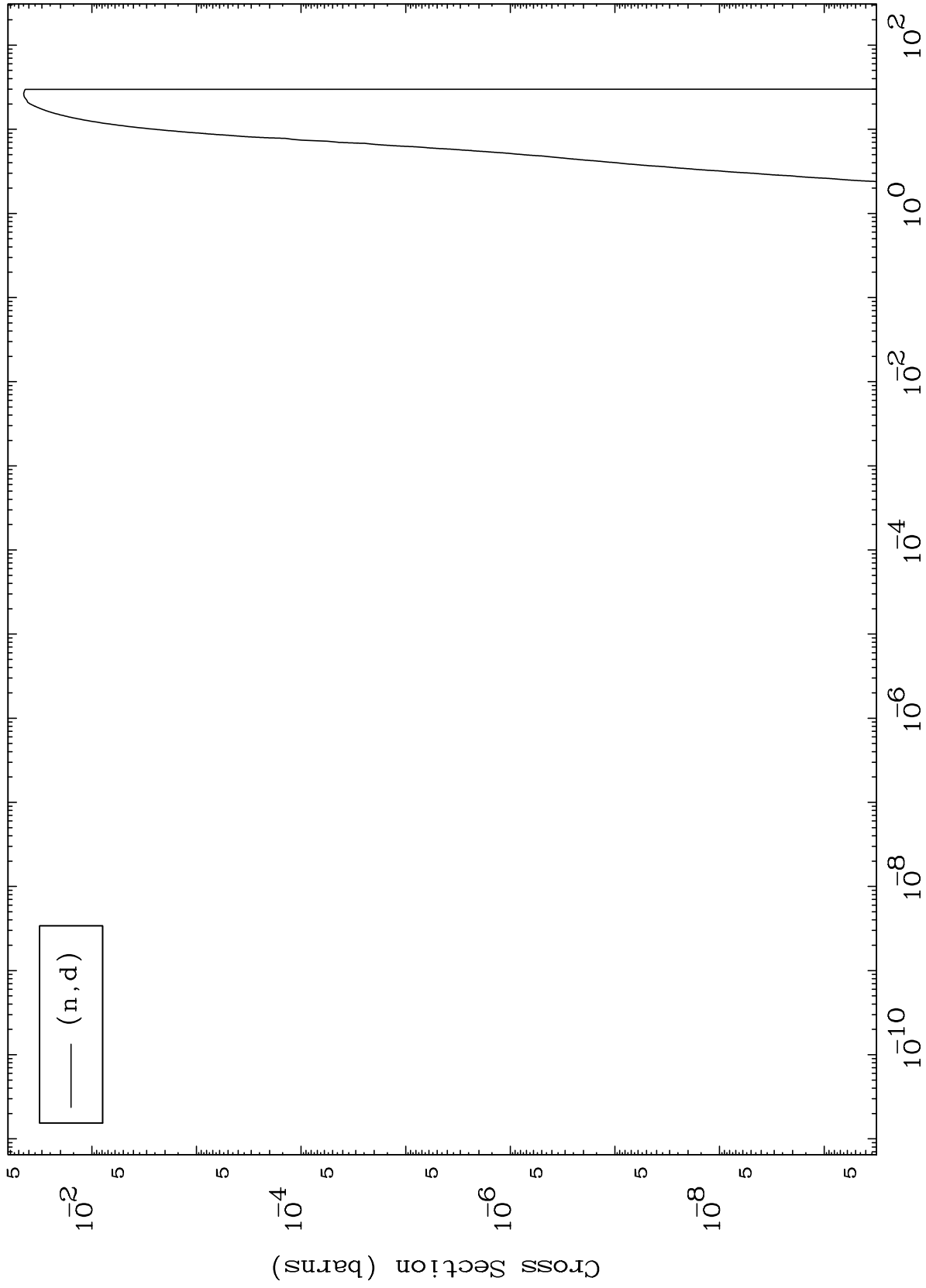
61-Pm-133



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(n,d) Levels  
293 Kelvin Cross Sections

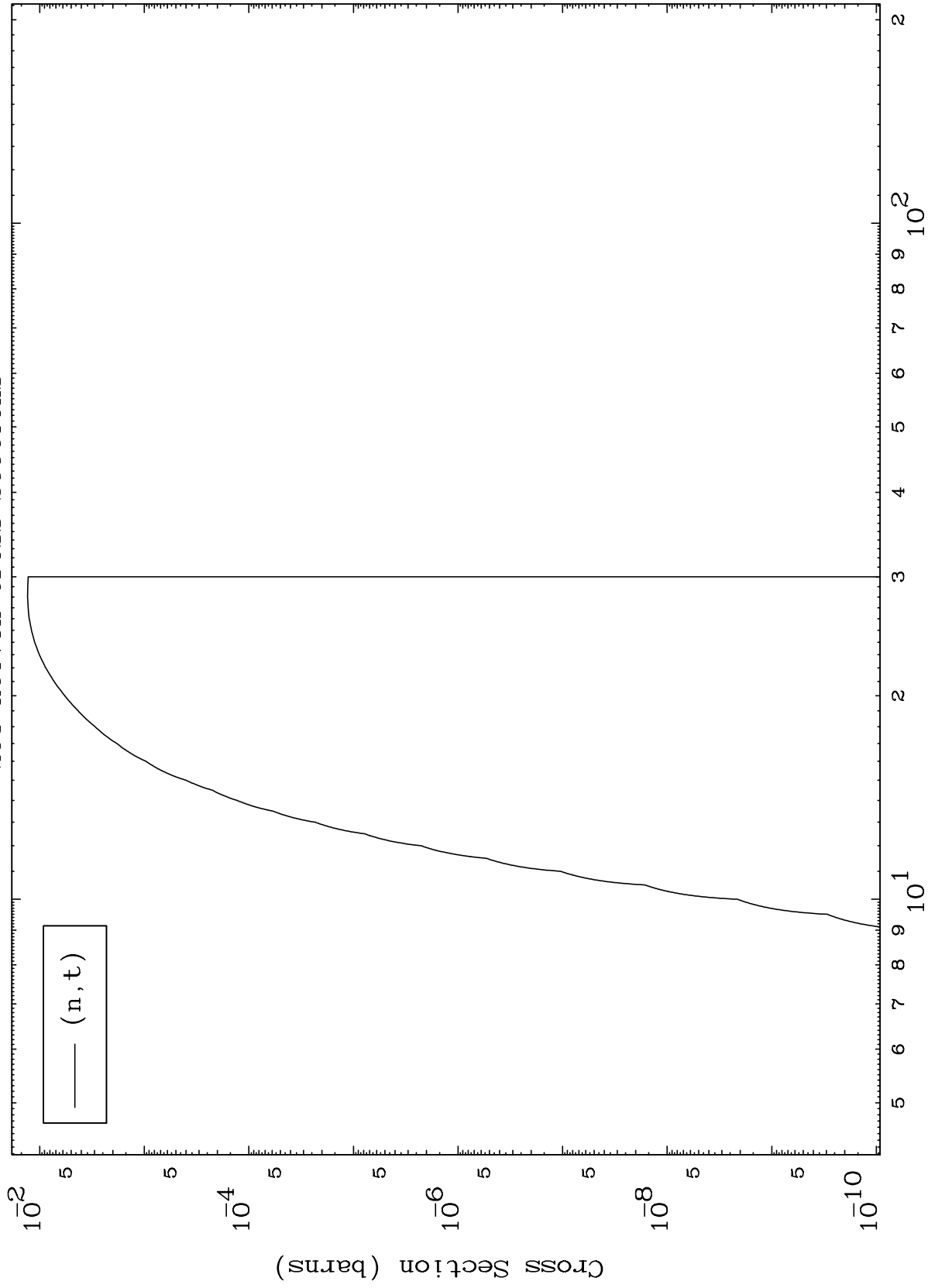
61-Pm-133



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(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-133



10

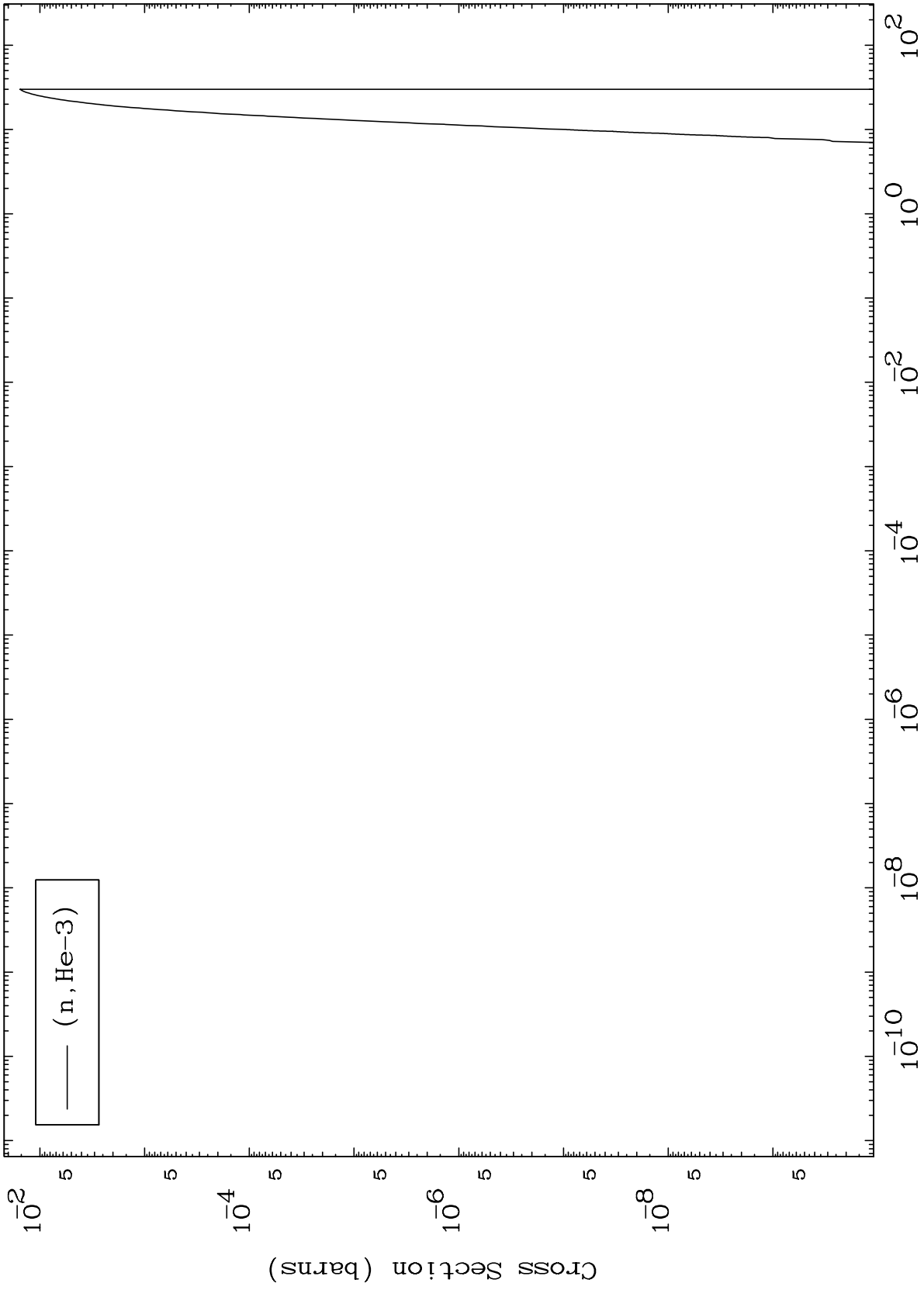
Incident Energy (MeV)

61-Pm-133

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(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-133



(n, He-3)

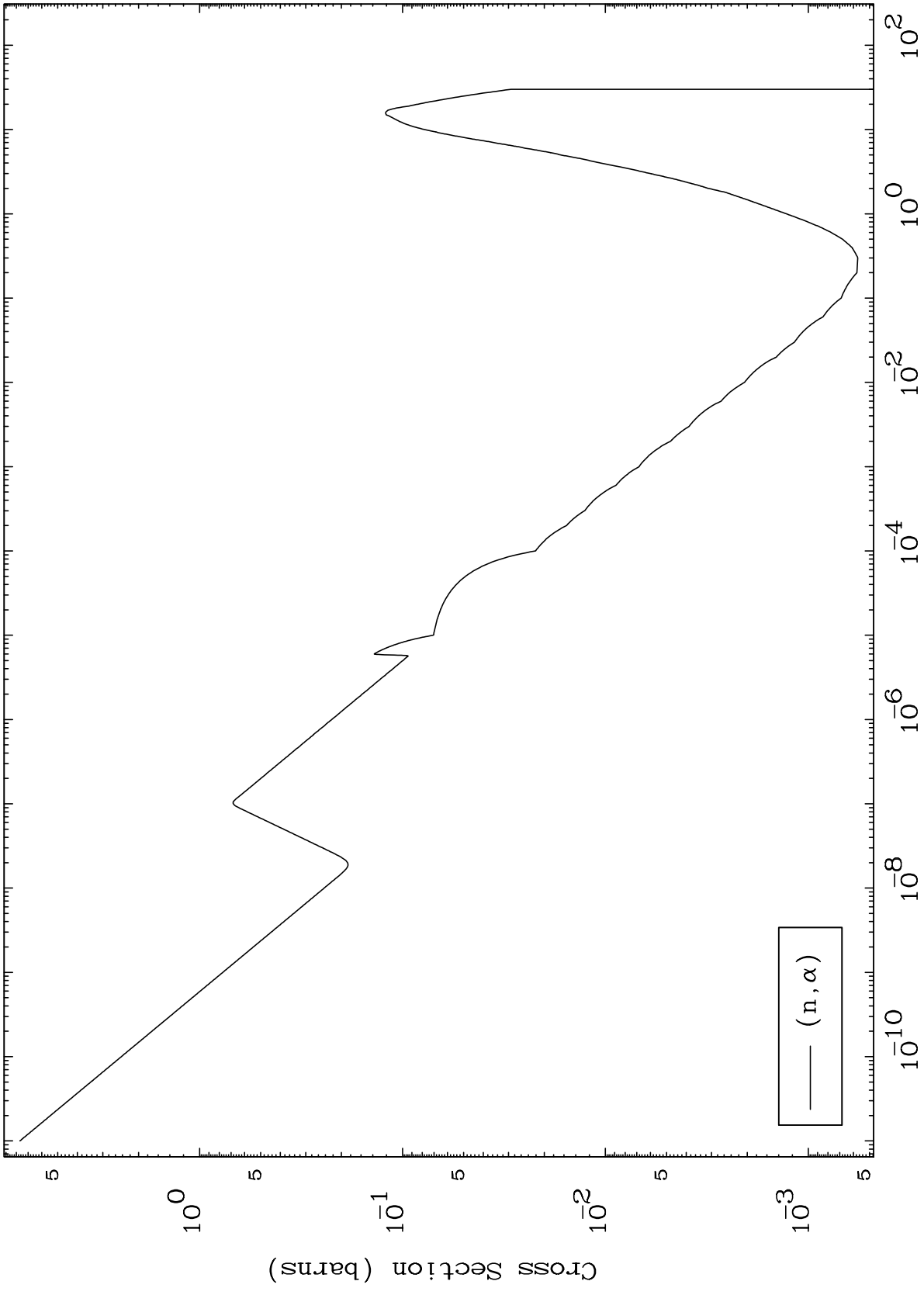
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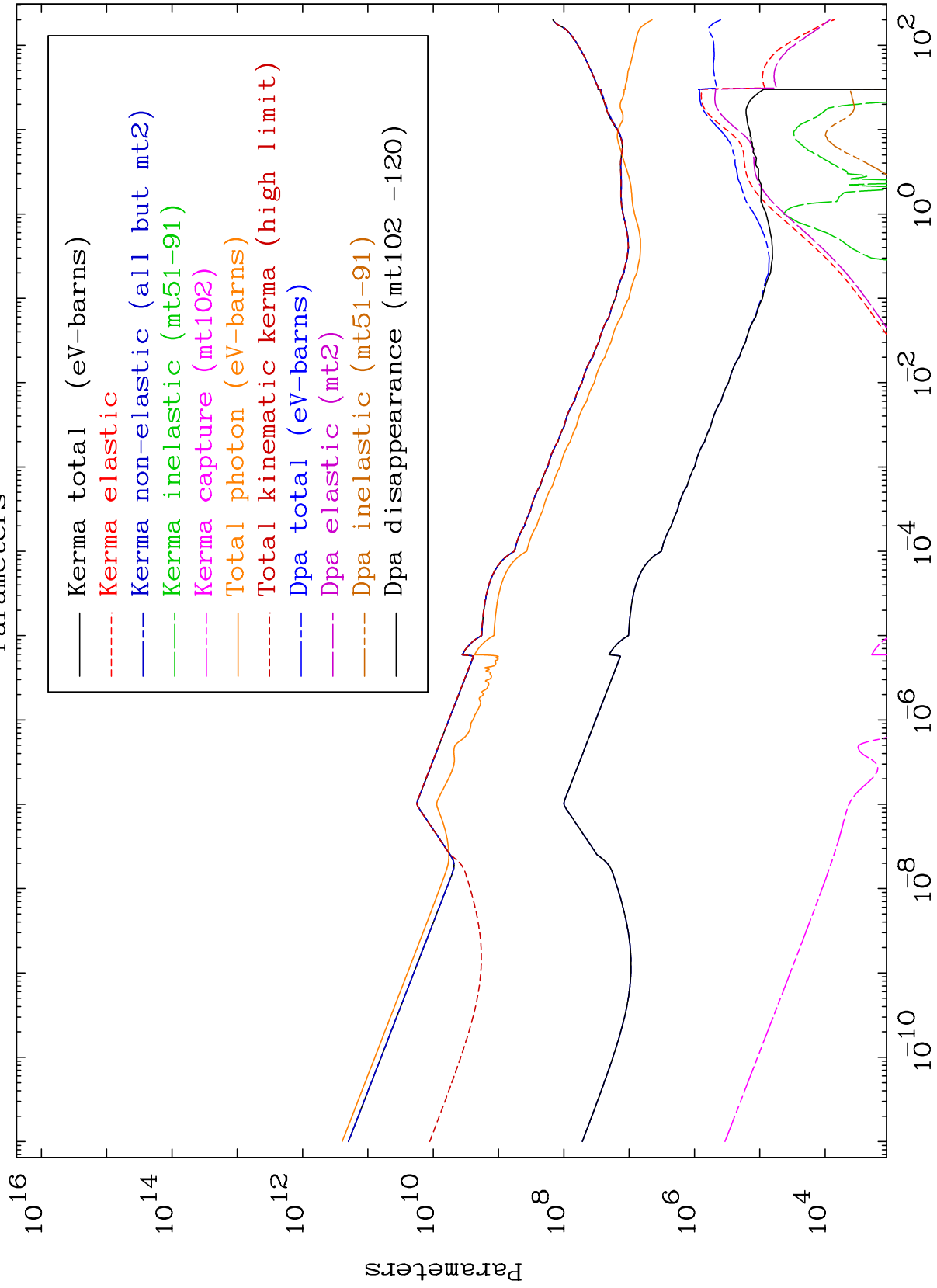
Incident Energy (MeV)

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(n,α) Levels  
293 Kelvin Cross Sections

61-Pm-133

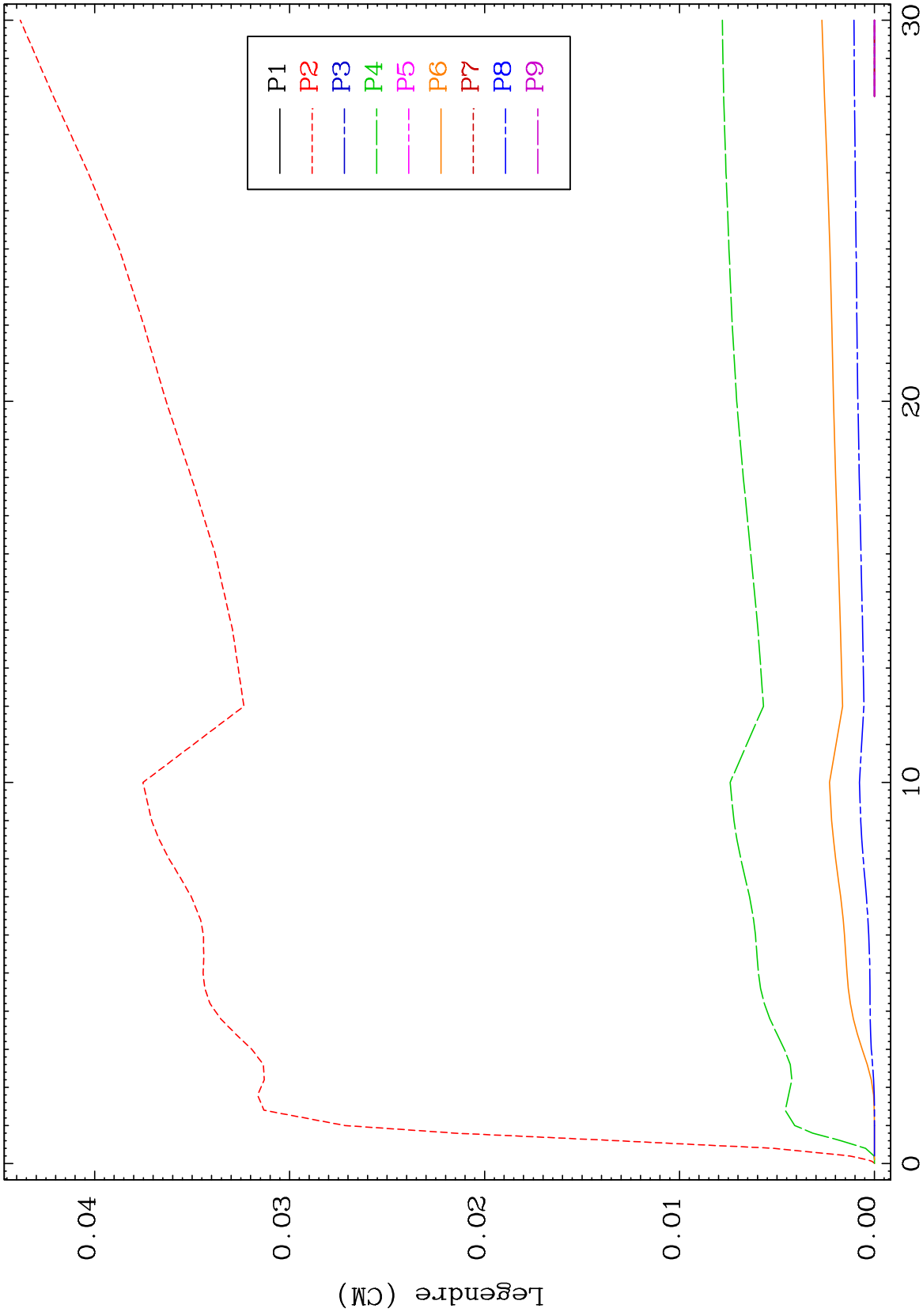




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Elastic Legendre Coefficients

61-Pm-133



14

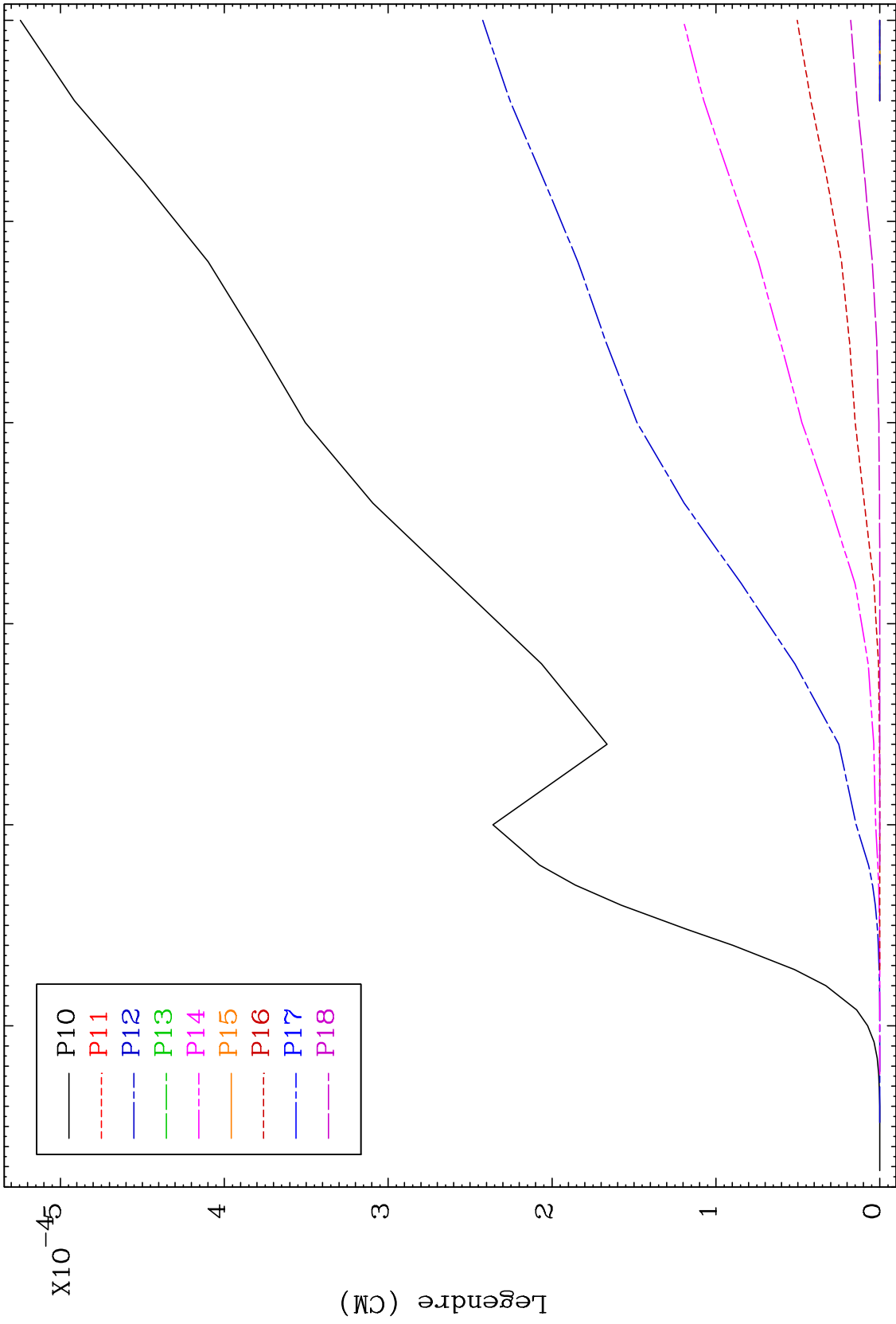
Incident Energy (MeV)

61-Pm-133

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Elastic Legendre Coefficients

61-Pm-133



15

Incident Energy (MeV)

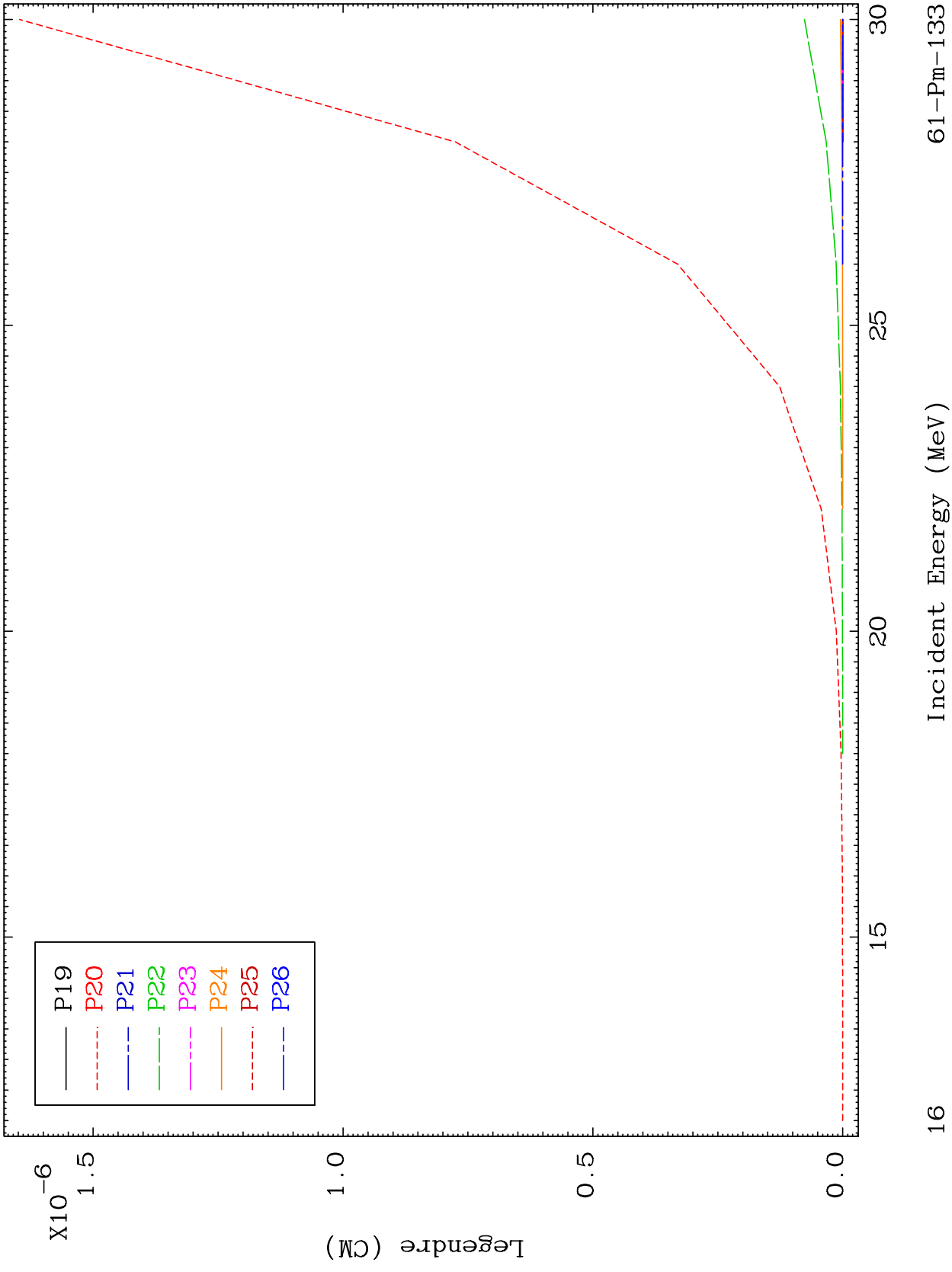
61-Pm-133



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Elastic Legendre Coefficients

61-Pm-133



16

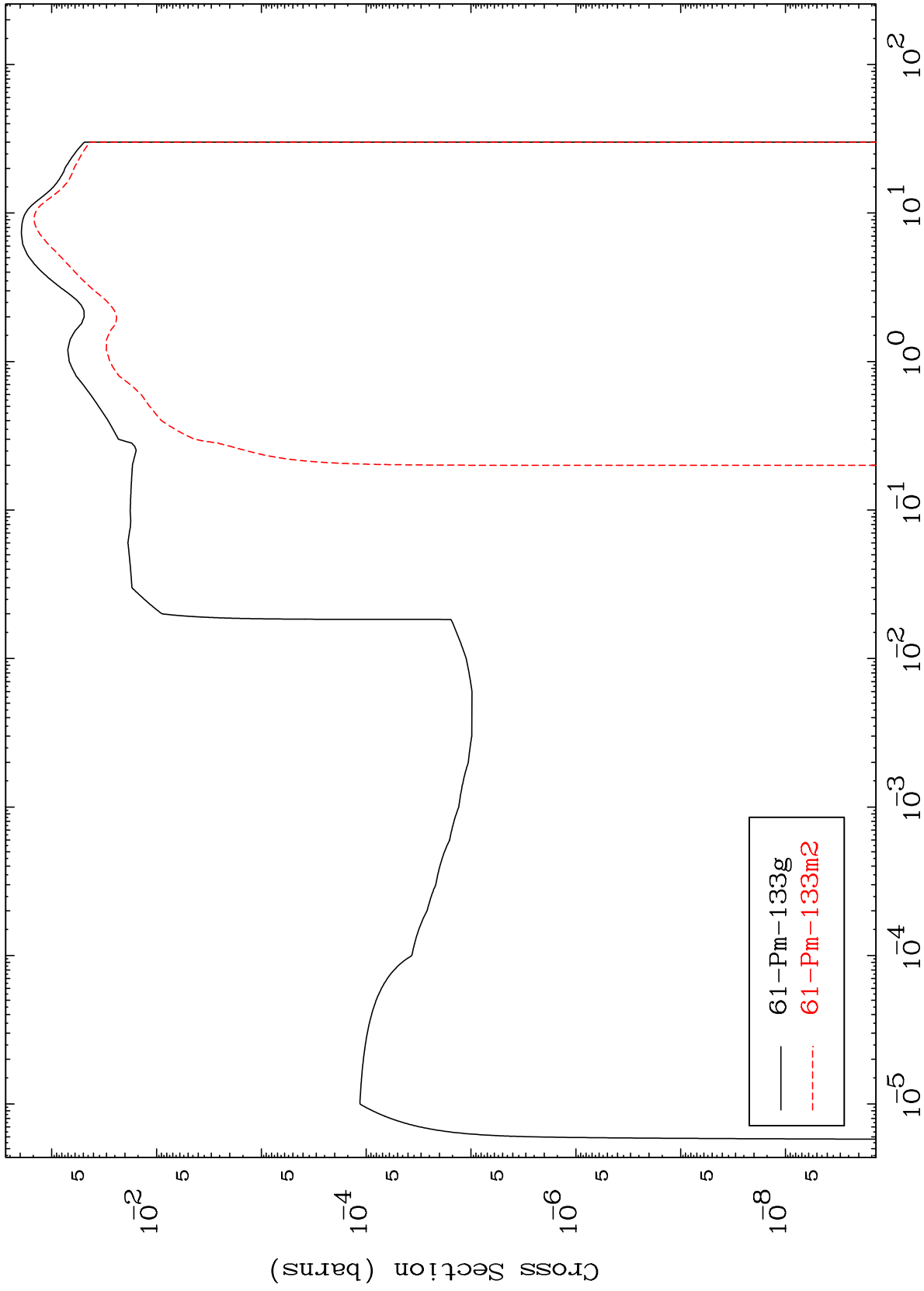
Incident Energy (MeV)

61-Pm-133

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61-Pm-133

Inelastic  
Radionuclide Production Cross Section



17

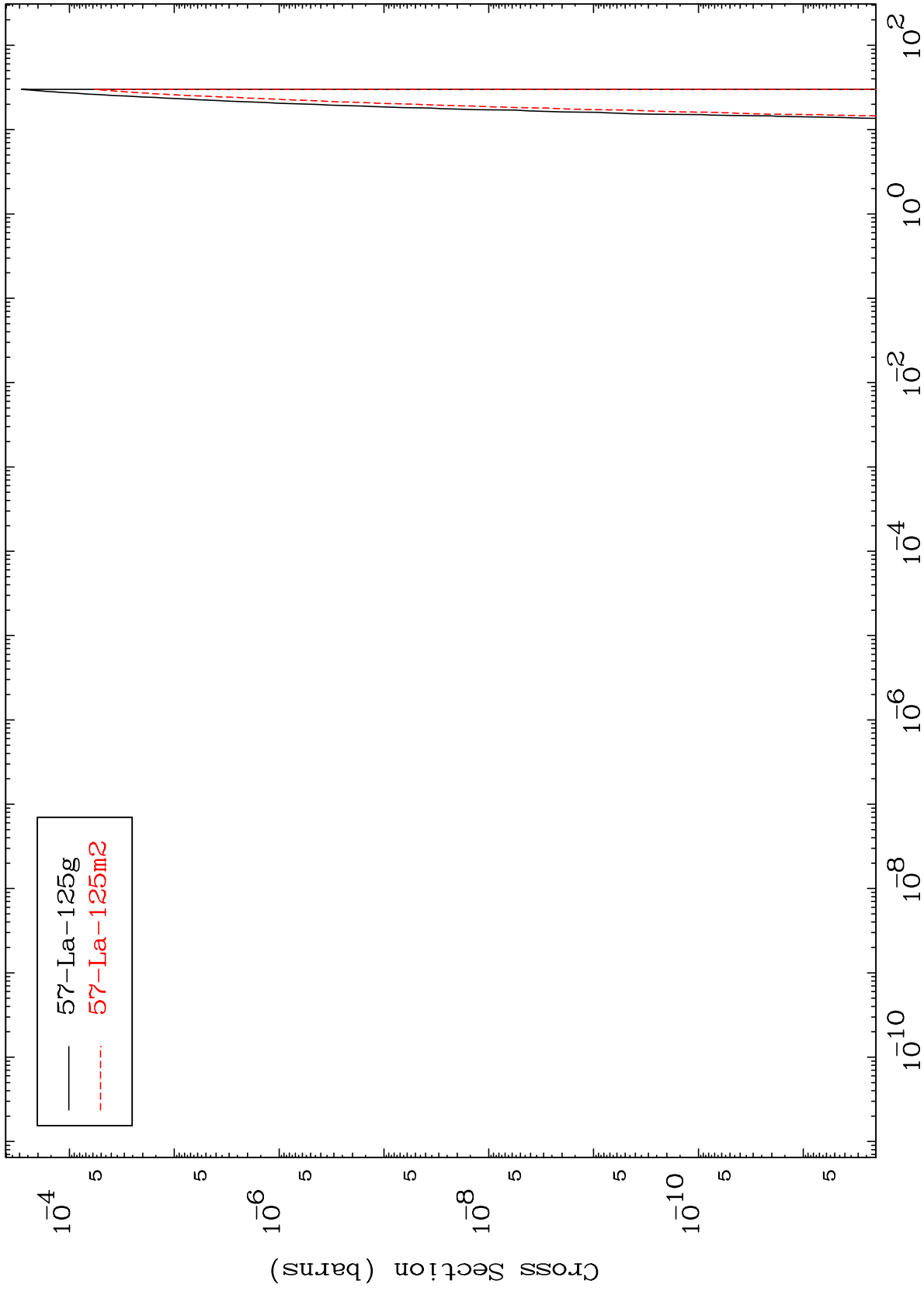
61-Pm-133

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(n,n') 2 $\alpha$

61-Pm-133

Radionuclide Production Cross Section



18

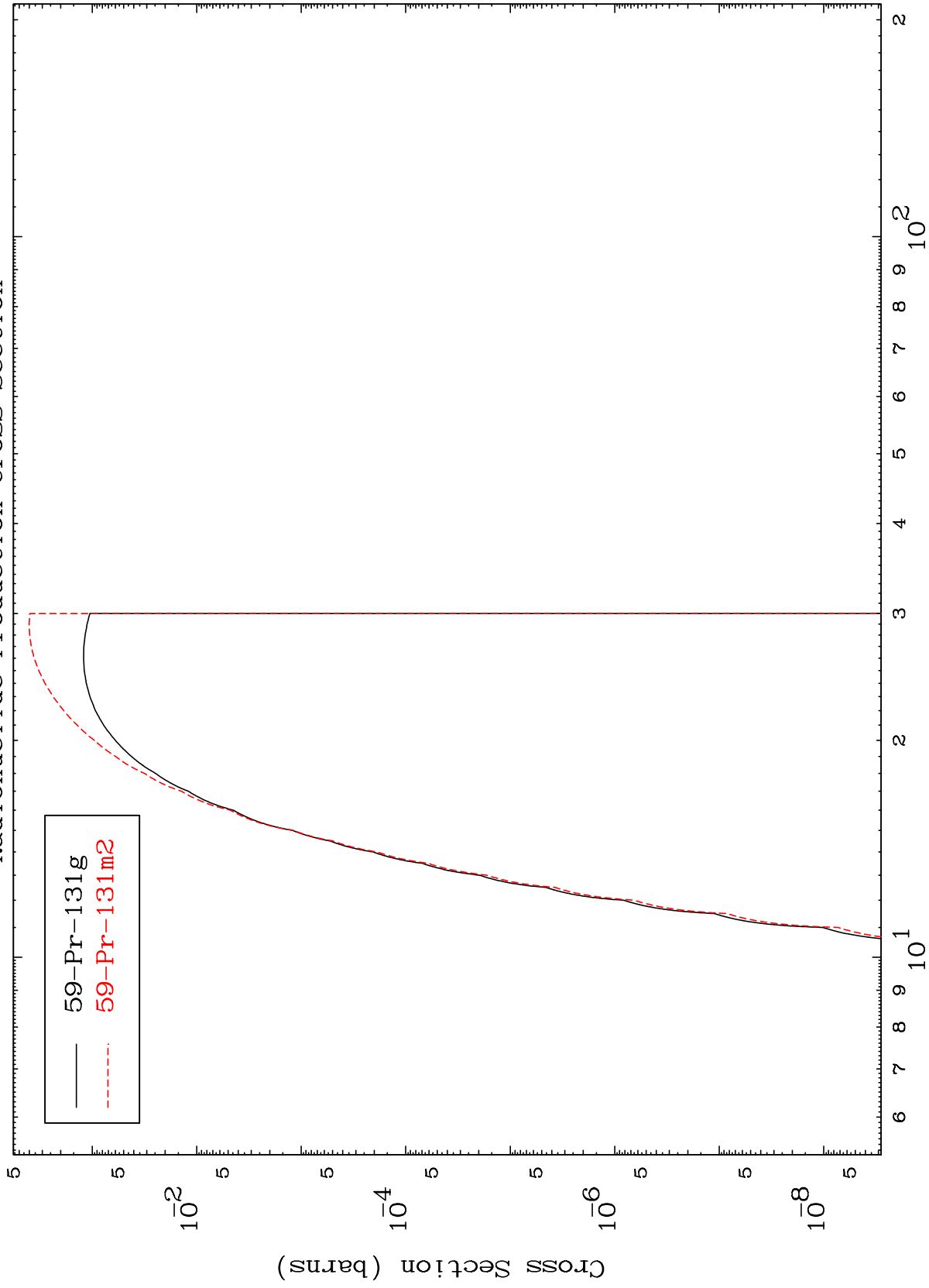
61-Pm-133

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(n,2n) p

61-Pm-133

Radionuclide Production Cross Section



19

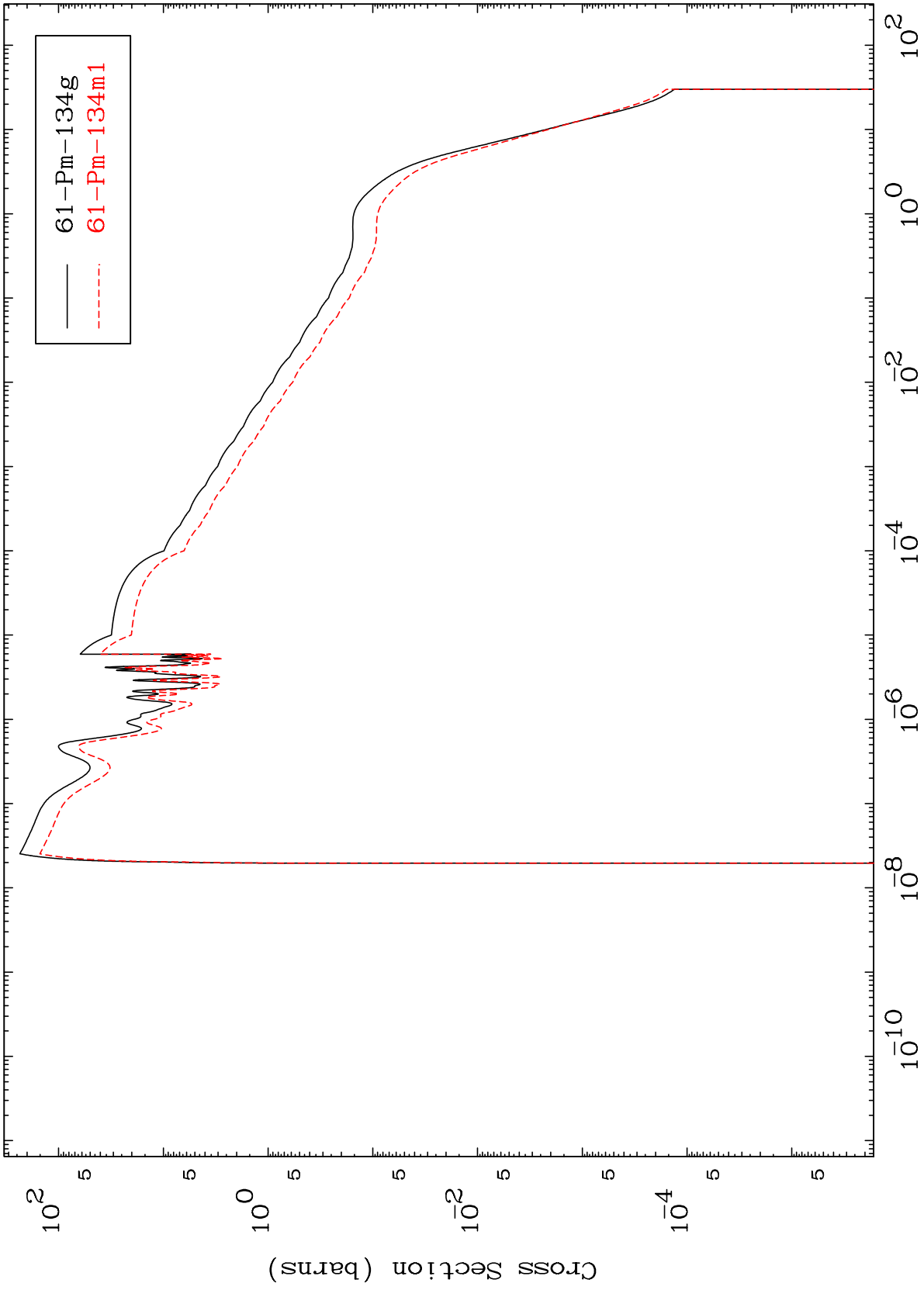
Incident Energy (MeV)

61-Pm-133

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61-Pm-133

Radionuclide Production Cross Section  
(n,  $\gamma$ )



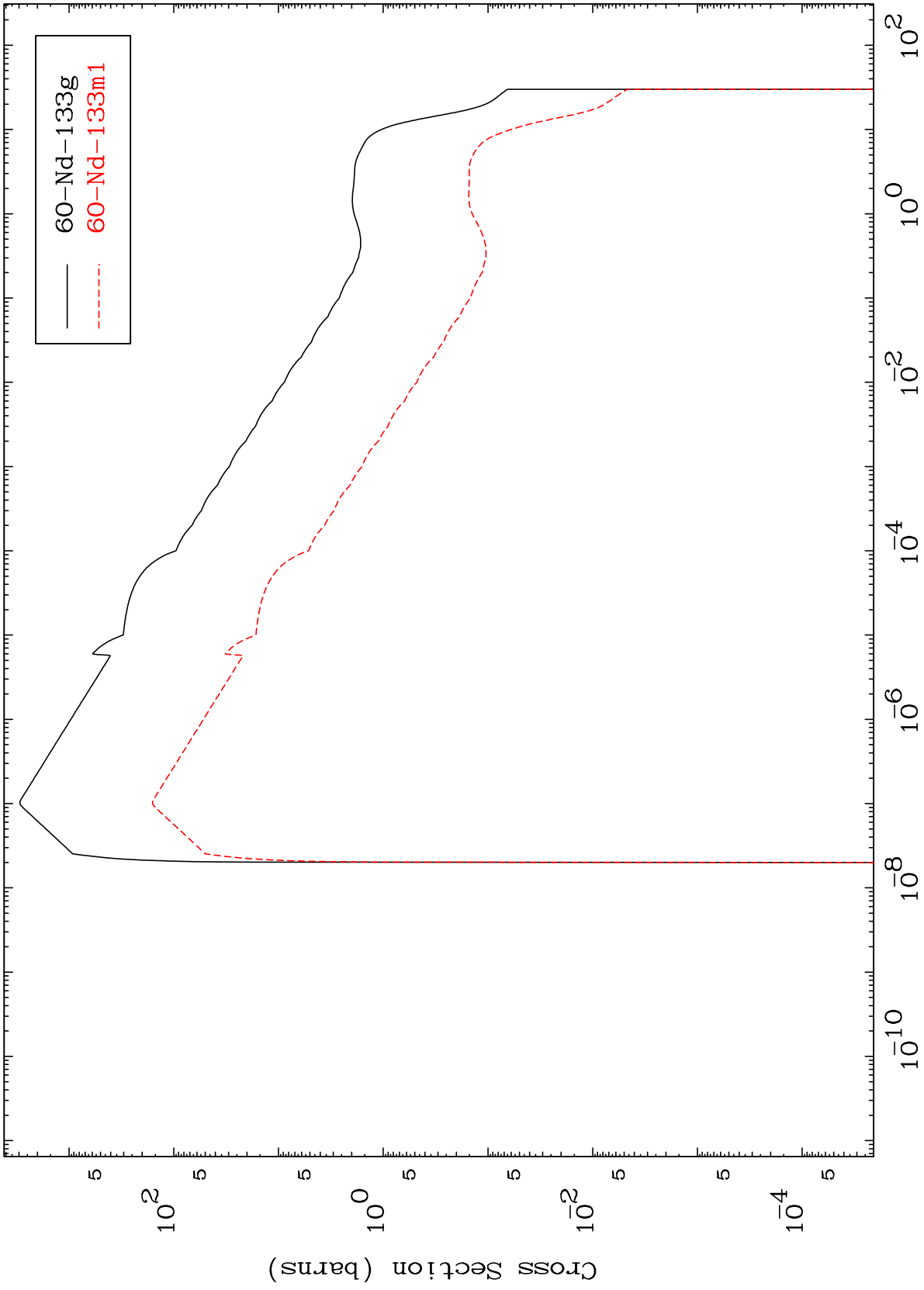
20

61-Pm-133

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61-Pm-133

(n,p)  
Radionuclide Production Cross Section



21

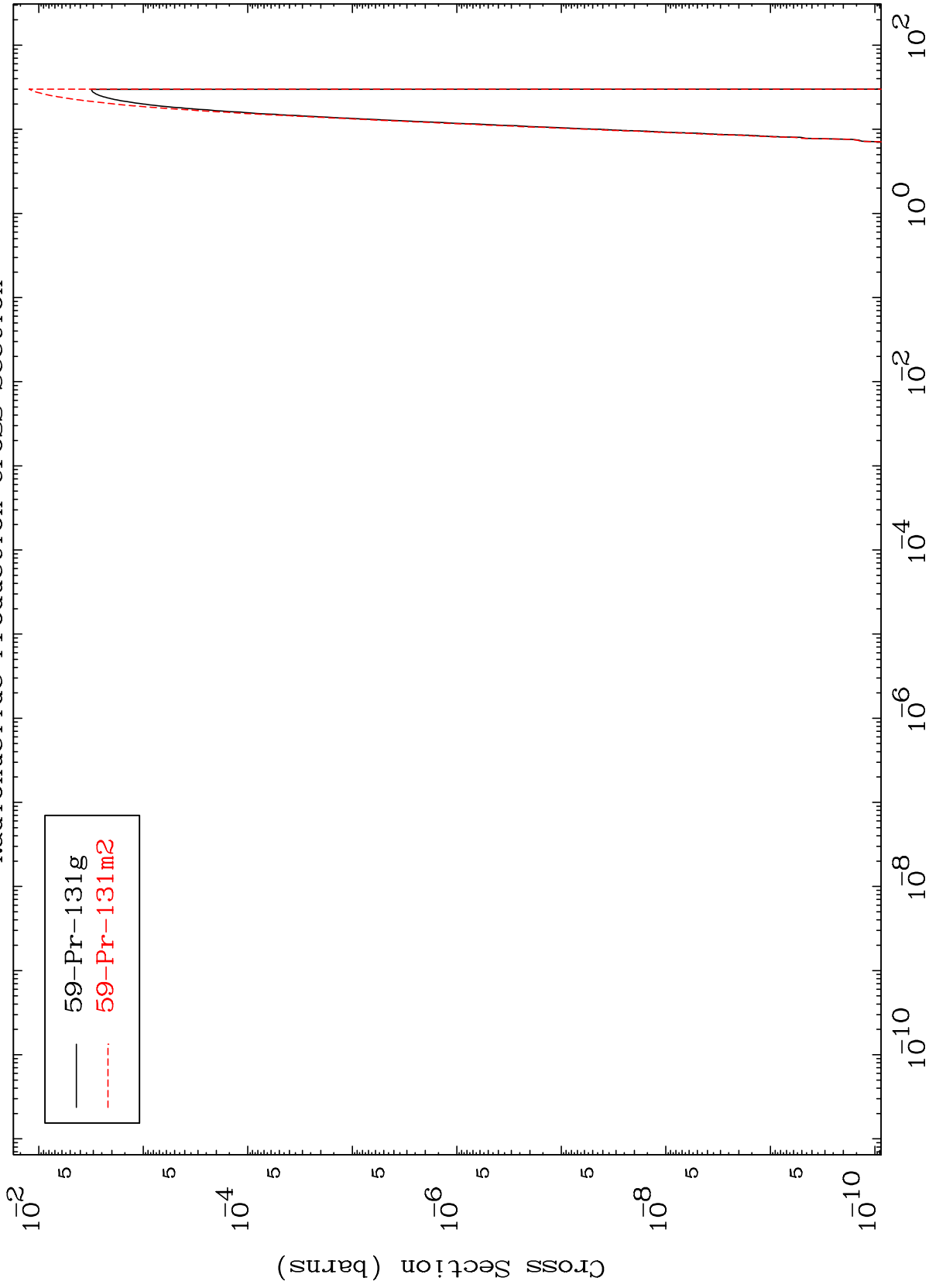
61-Pm-133

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(n, He-3)

61-Pm-133

Radionuclide Production Cross Section



22

Incident Energy (MeV)

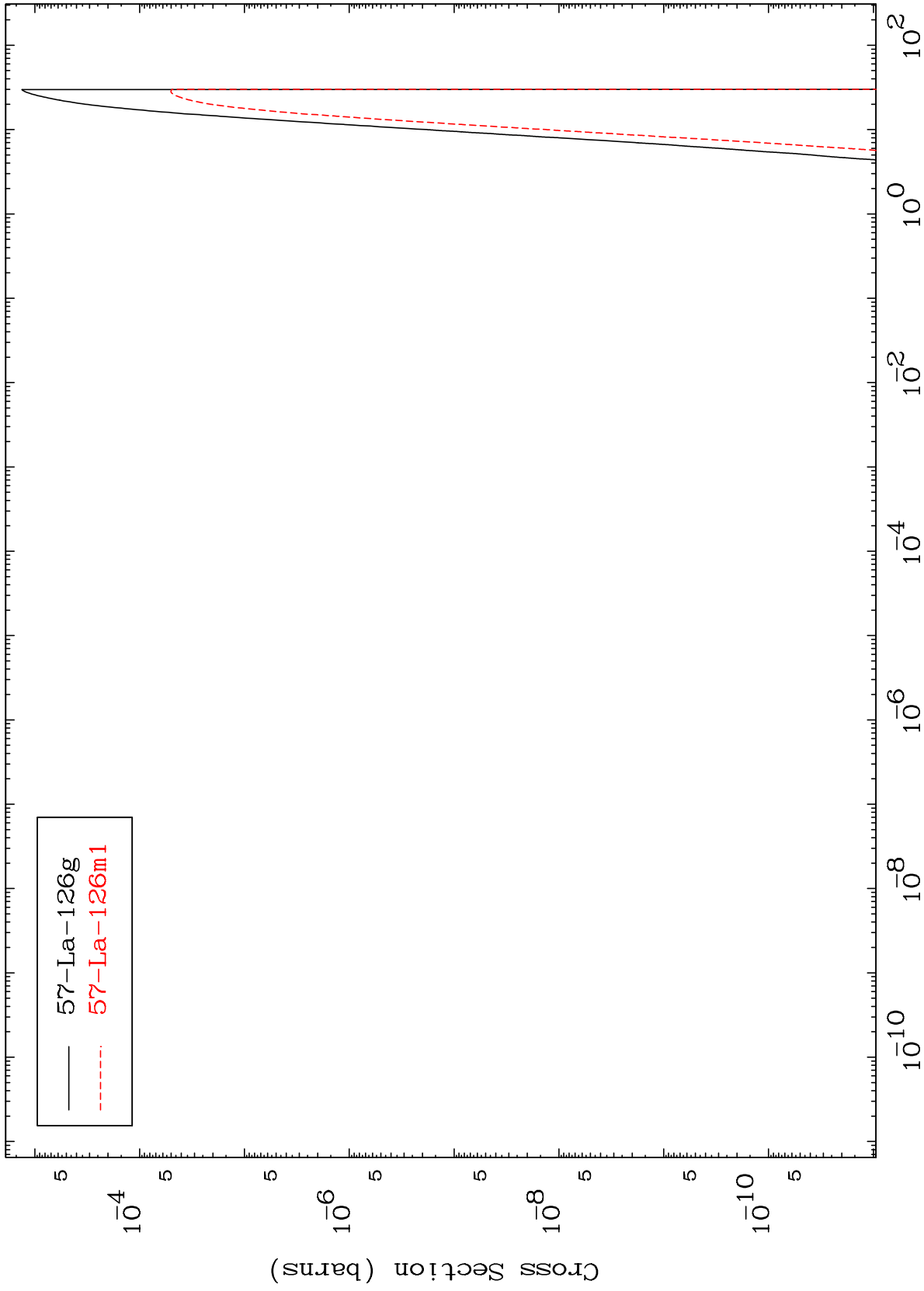
61-Pm-133

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(n,2α)

61-Pm-133

Radionuclide Production Cross Section



23

Incident Energy (MeV)

61-Pm-133

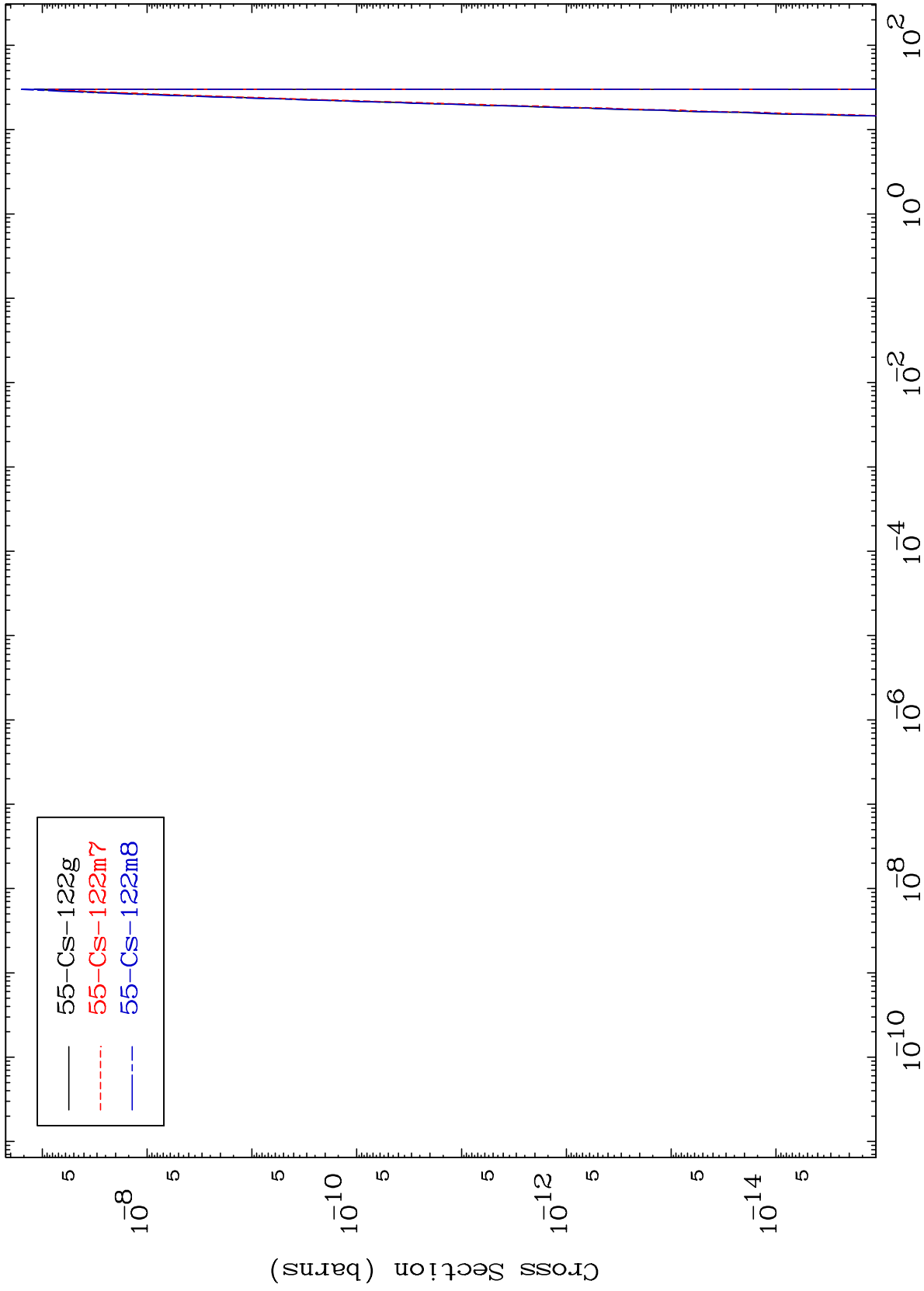


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(n,3α)

61-Pm-133

Radionuclide Production Cross Section



24

Incident Energy (MeV)

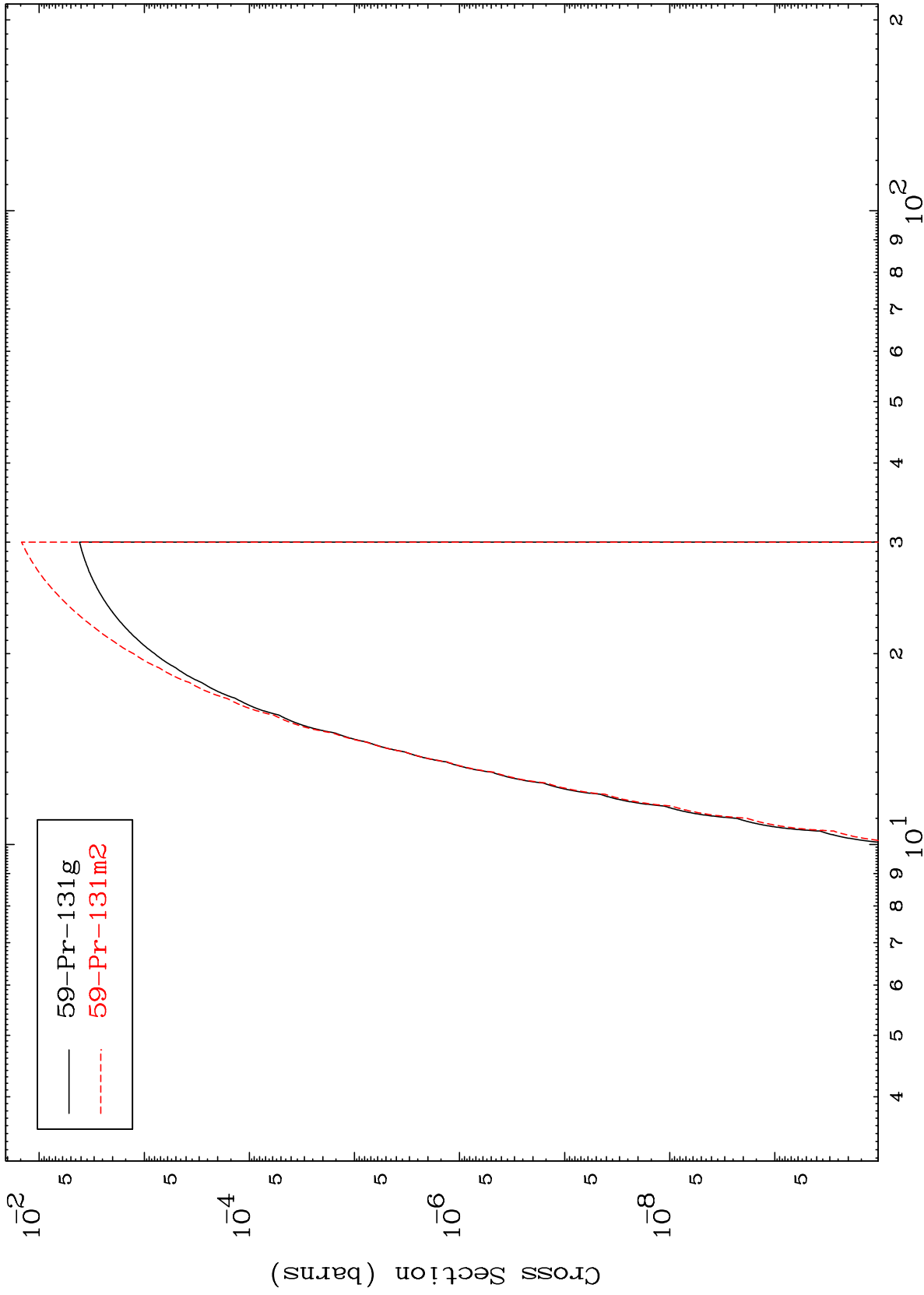
61-Pm-133

MAT 6108

(n,p) d

61-Pm-133

Radionuclide Production Cross Section



25

Incident Energy (MeV)

61-Pm-133