

Program EVALPLOT
(Version 2021-1)

by

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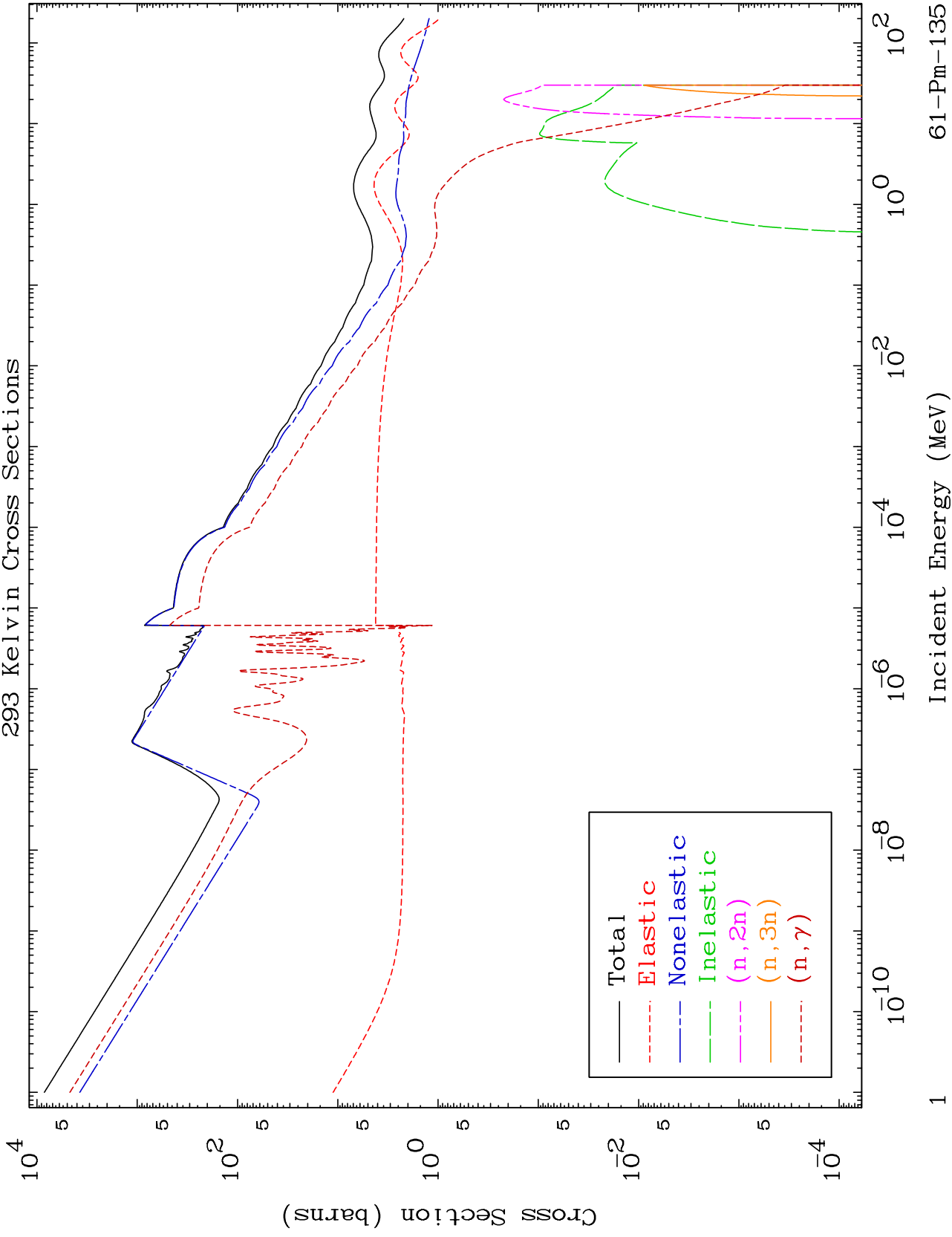
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6113

Neutron Major
293 Kelvin Cross Sections

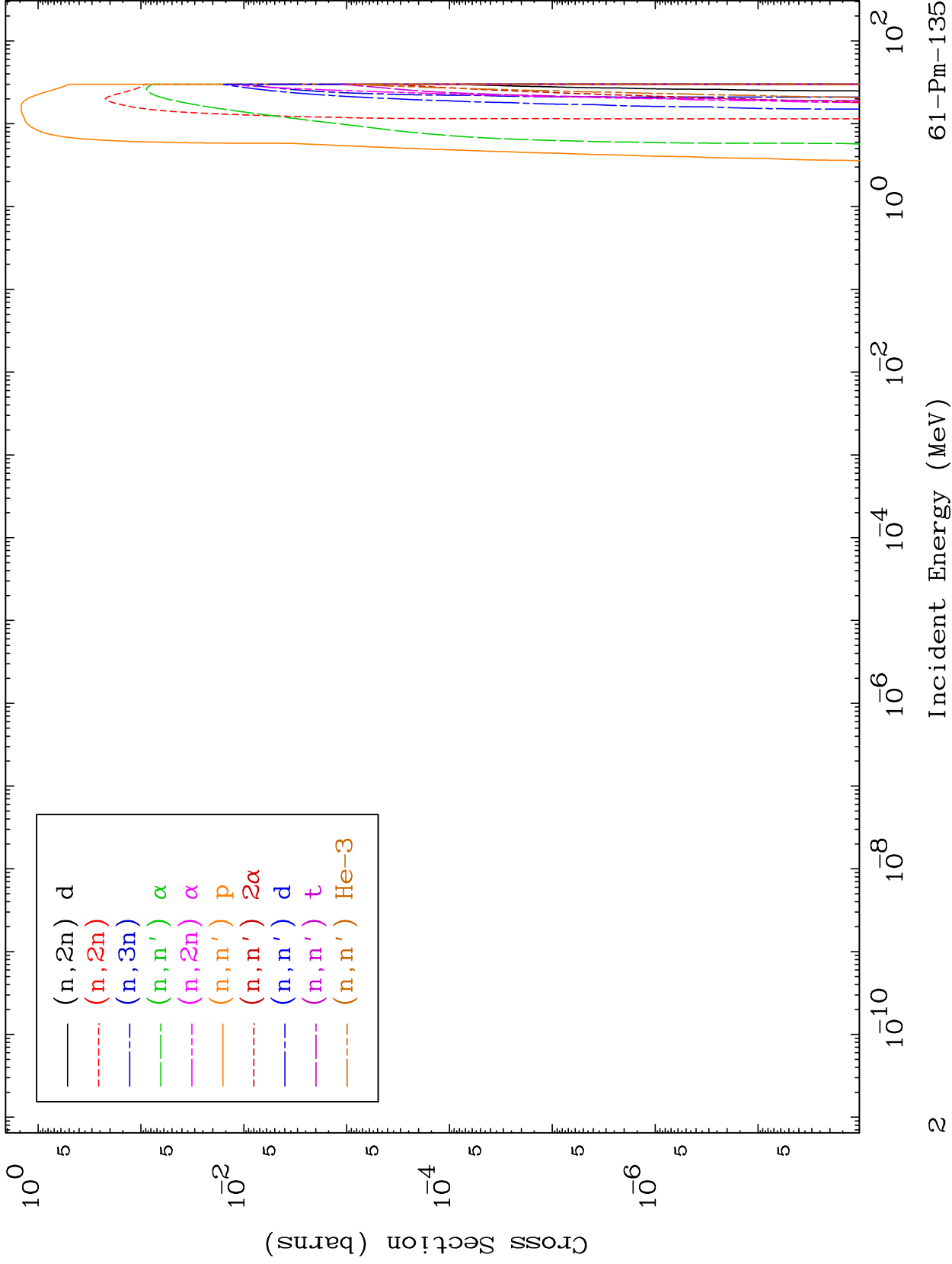
61-Pm-135



MAT 6113

Neutron Absorption
293 Kelvin Cross Sections

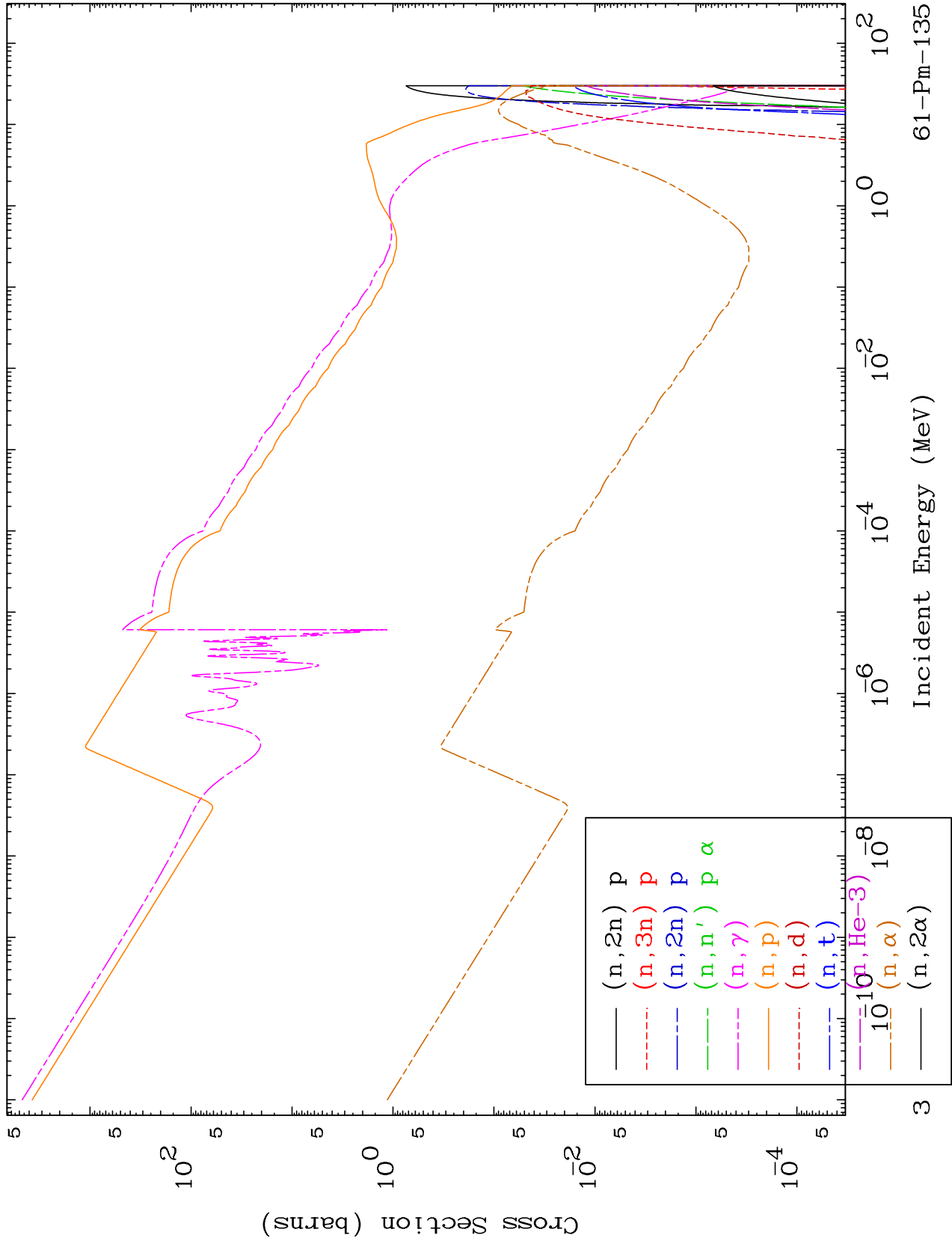
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MAT 6113

Neutron Absorption
293 Kelvin Cross Sections

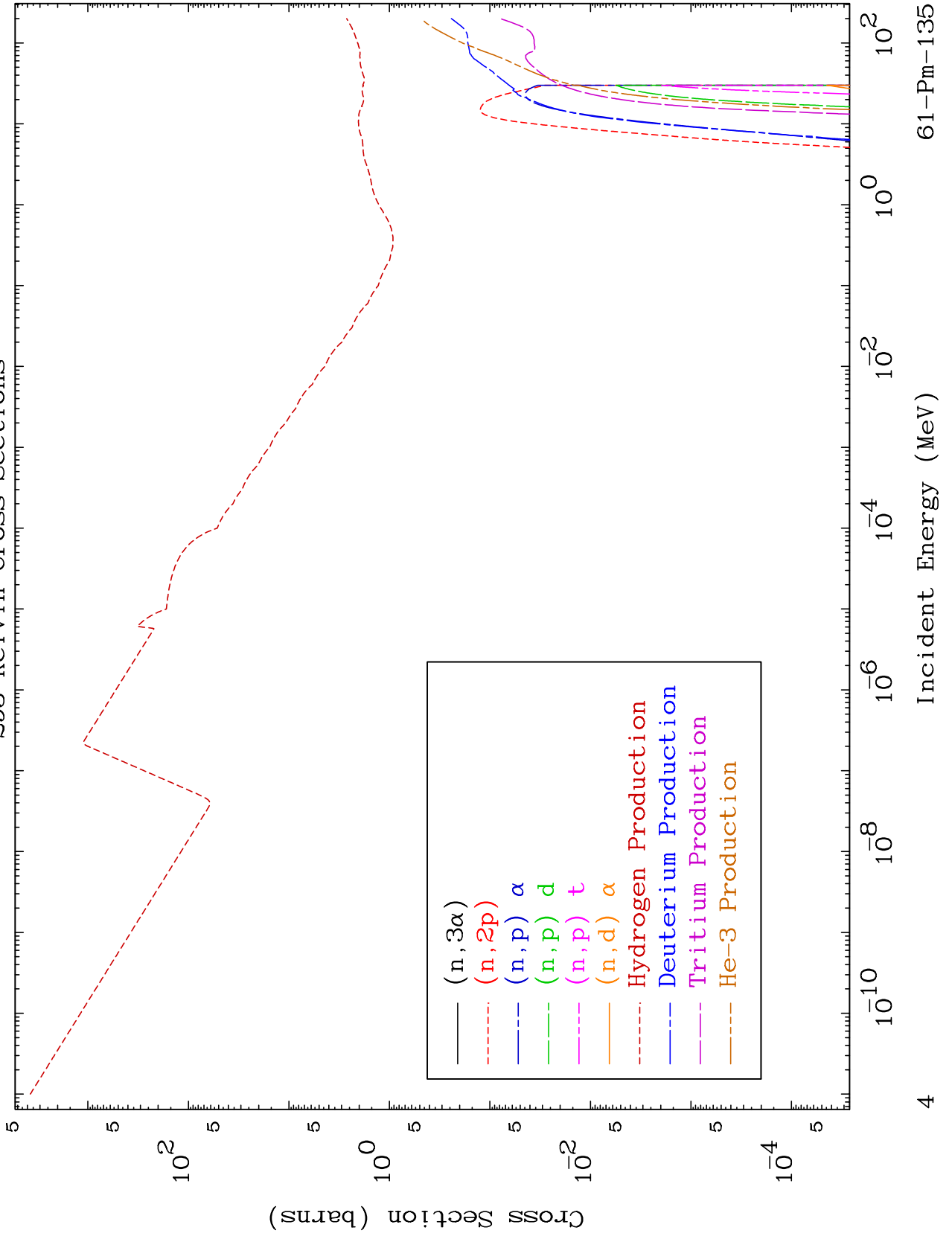
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MAT 6113

Neutron Absorption
293 Kelvin Cross Sections

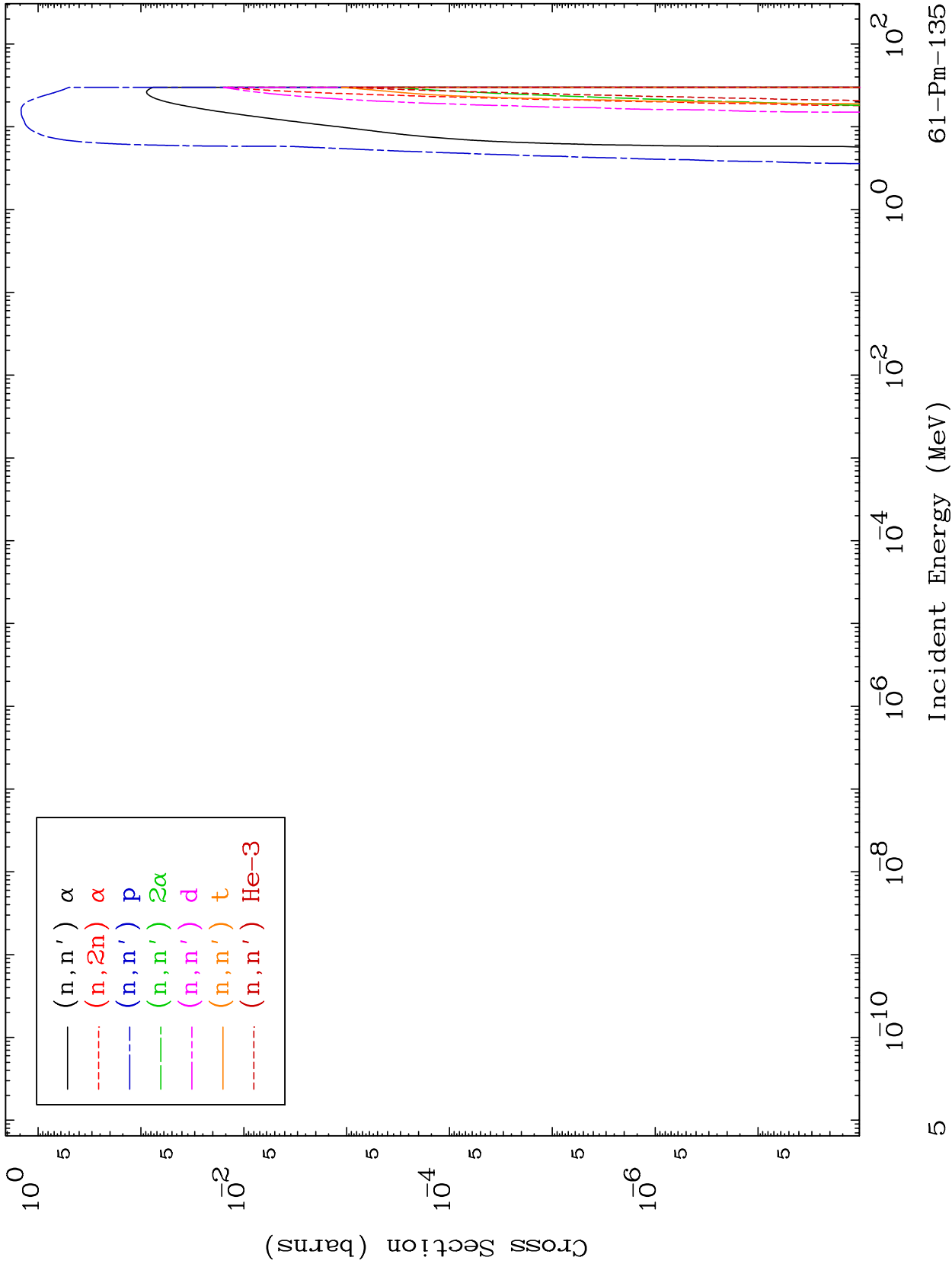
61-Pm-135



MAT 6113

Charged Particle
293 Kelvin Cross Sections

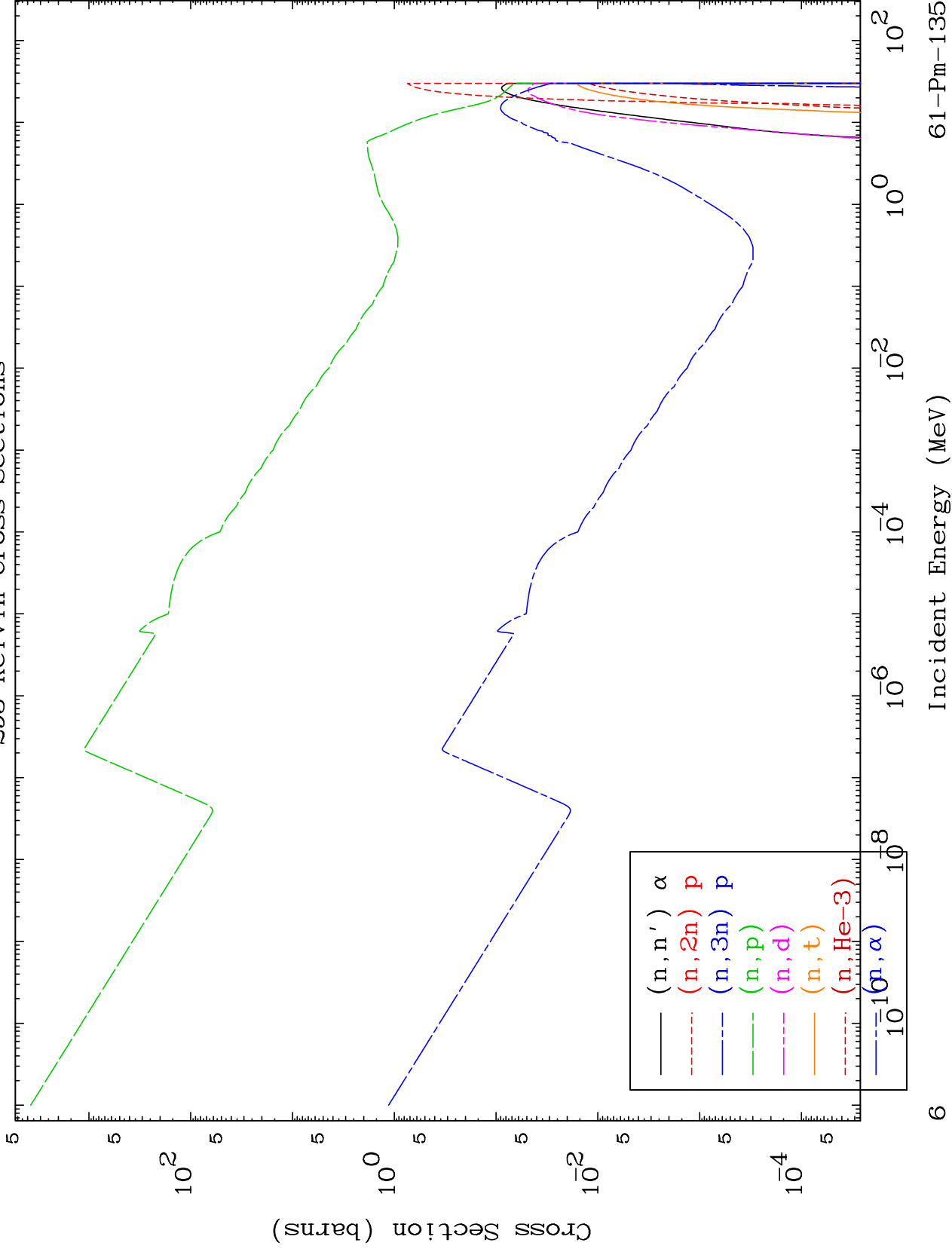
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MAT 6113

Charged Particle
293 Kelvin Cross Sections

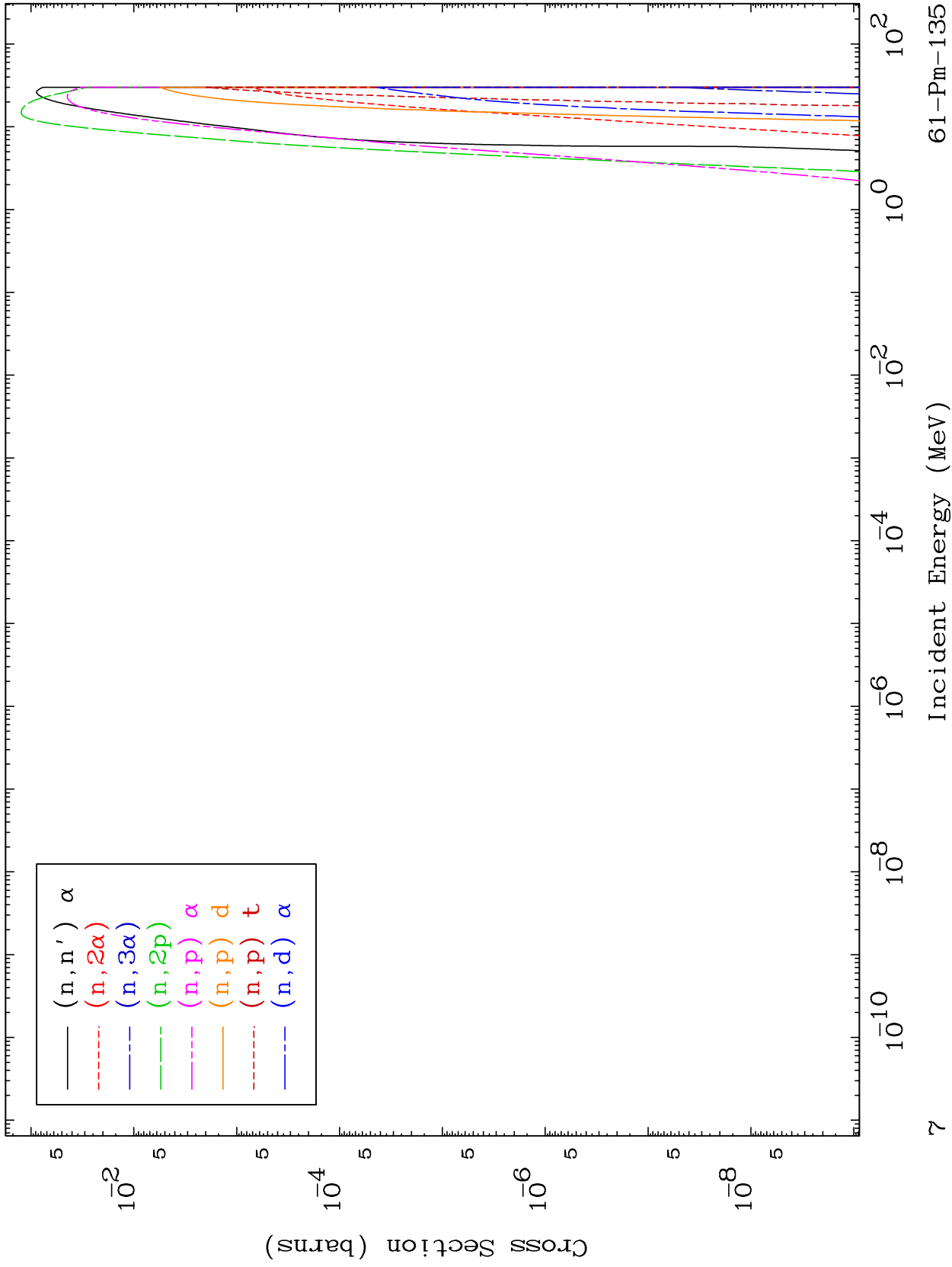
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MAT 6113

Charged Particle
293 Kelvin Cross Sections

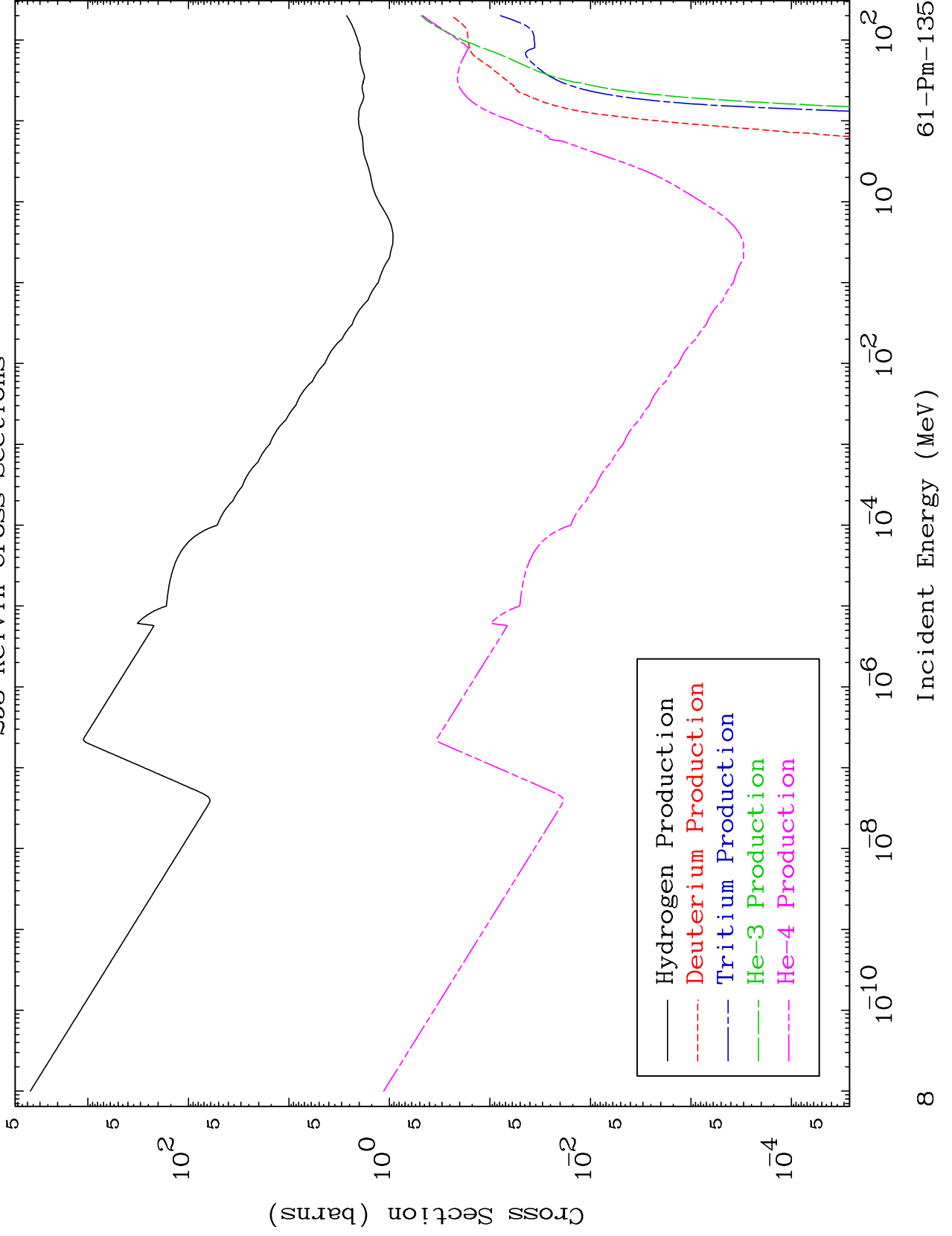
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MAT 6113

Particle Production
293 Kelvin Cross Sections

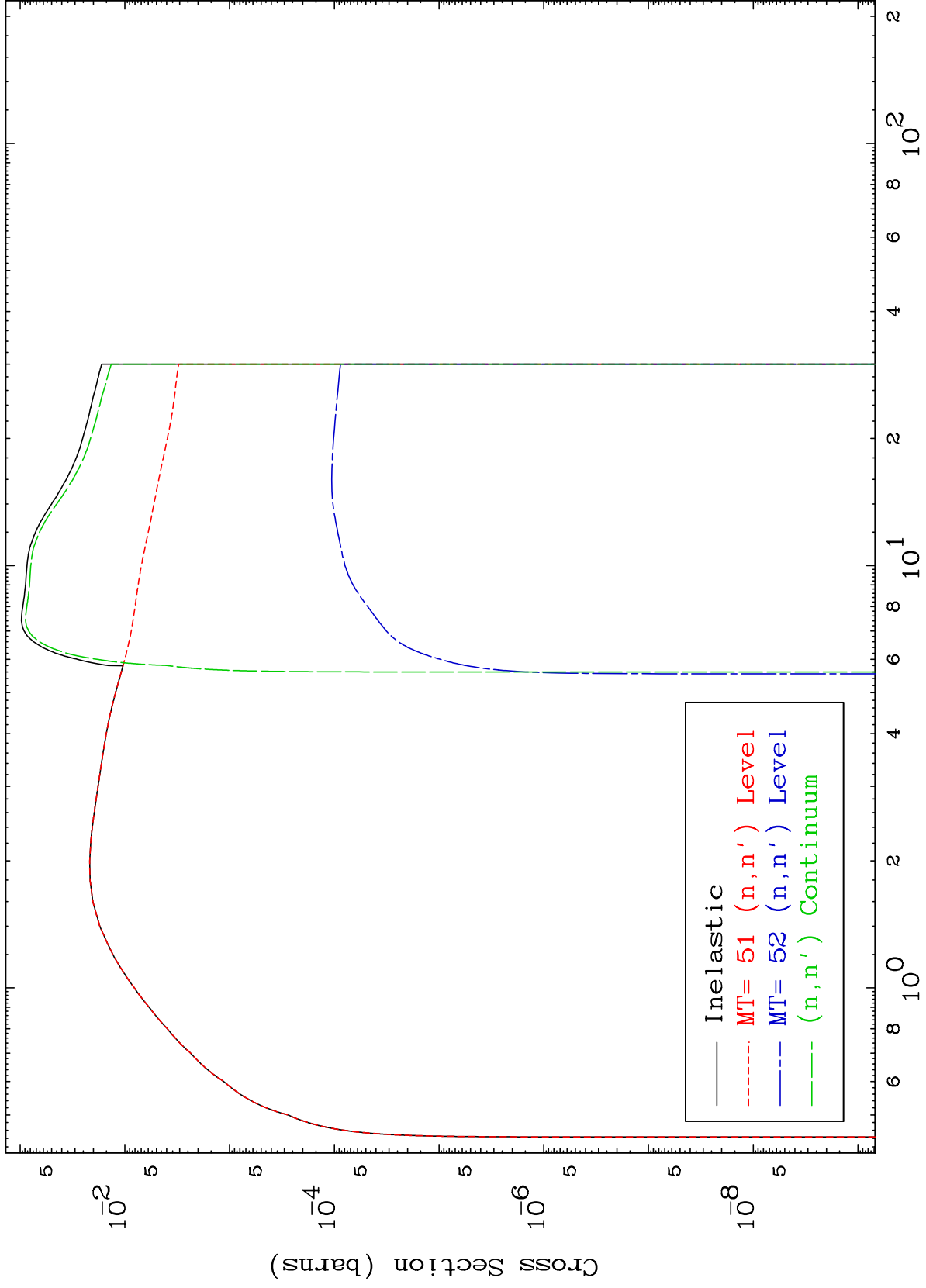
61-Pm-135



MAT 6113

293 Kelvin Cross Sections
(n,n') Levels

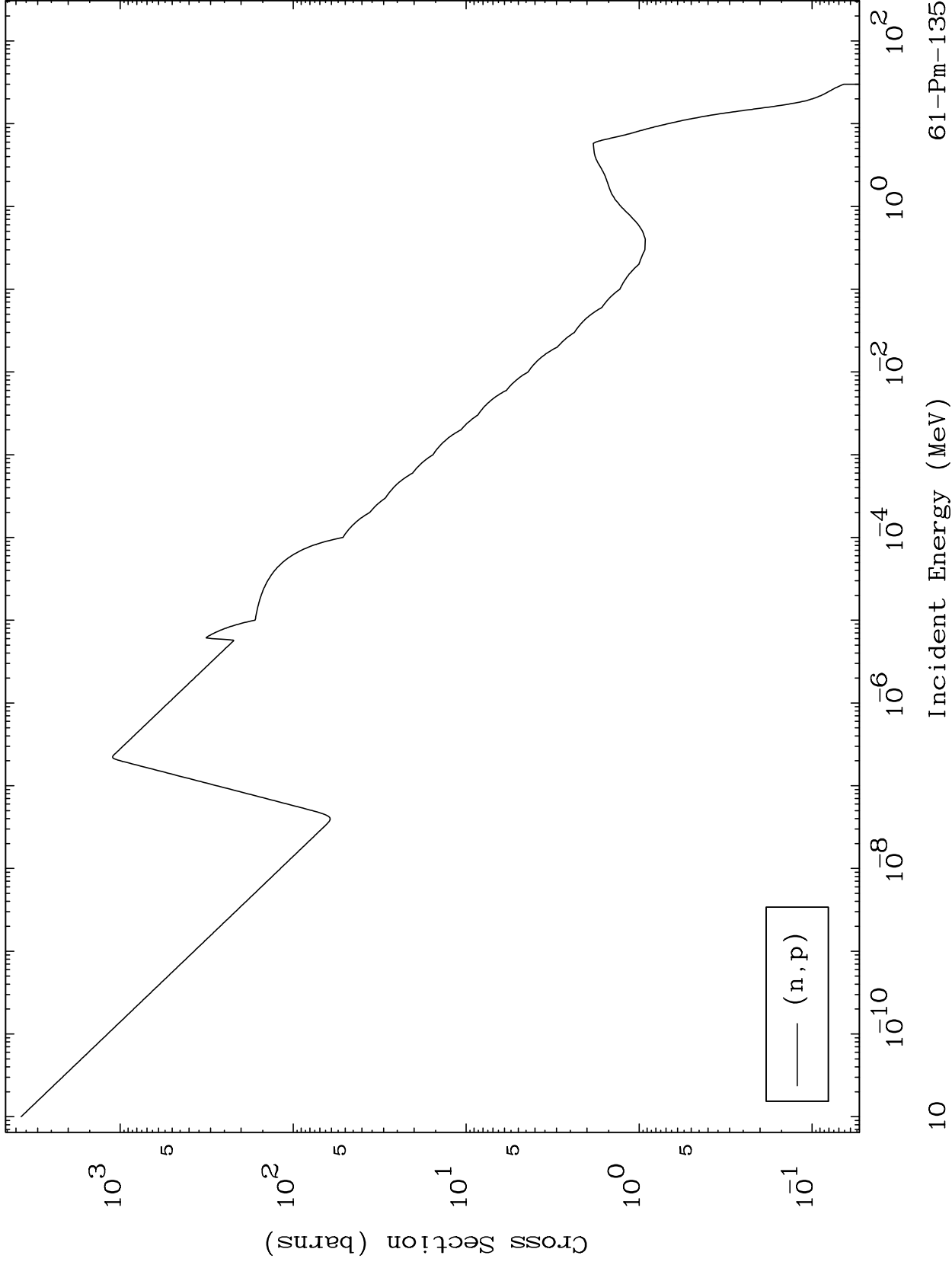
61-Pm-135



MAT 6113

(n,p) Levels
293 Kelvin Cross Sections

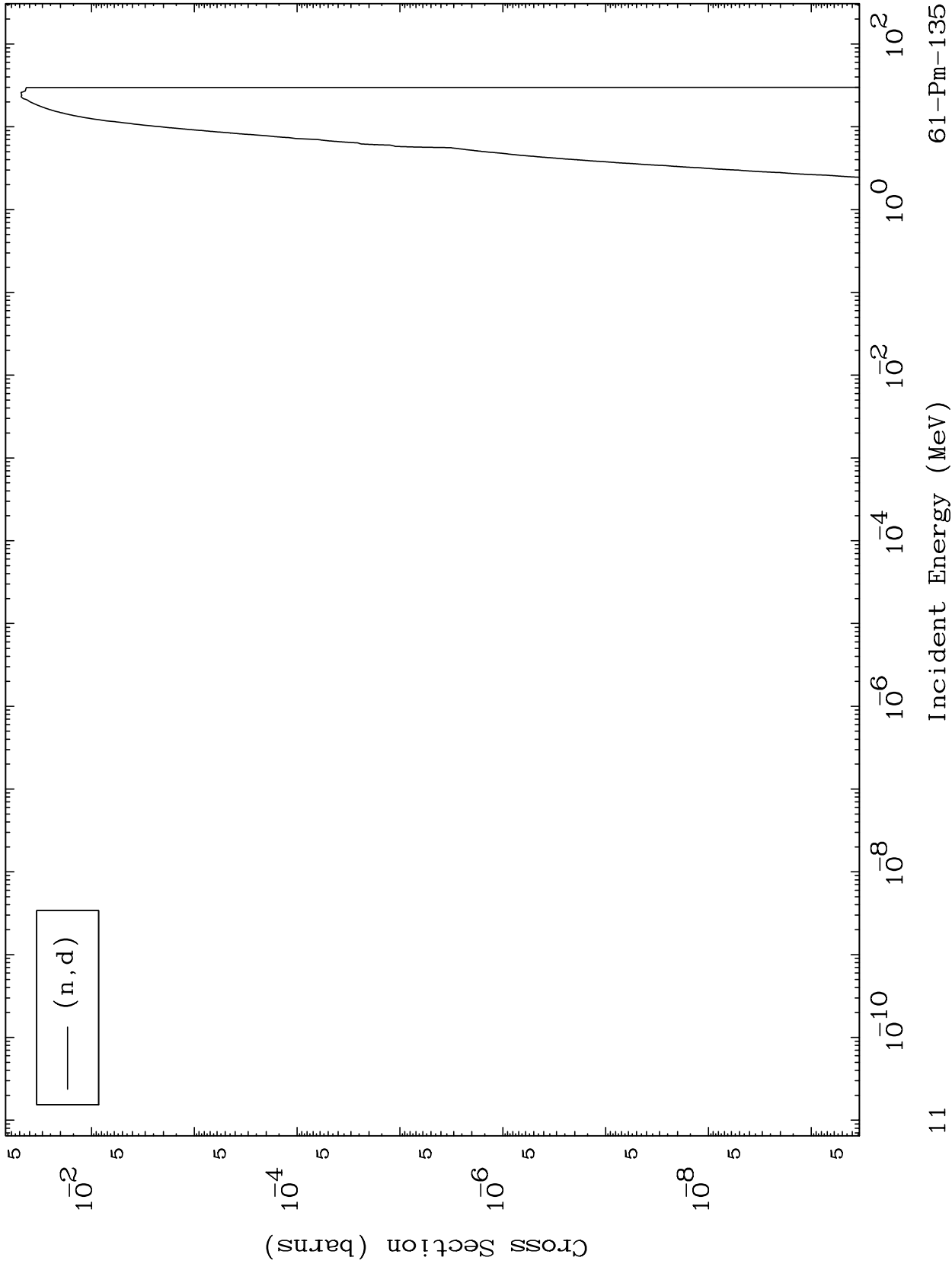
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MAT 6113

(n,d) Levels
293 Kelvin Cross Sections

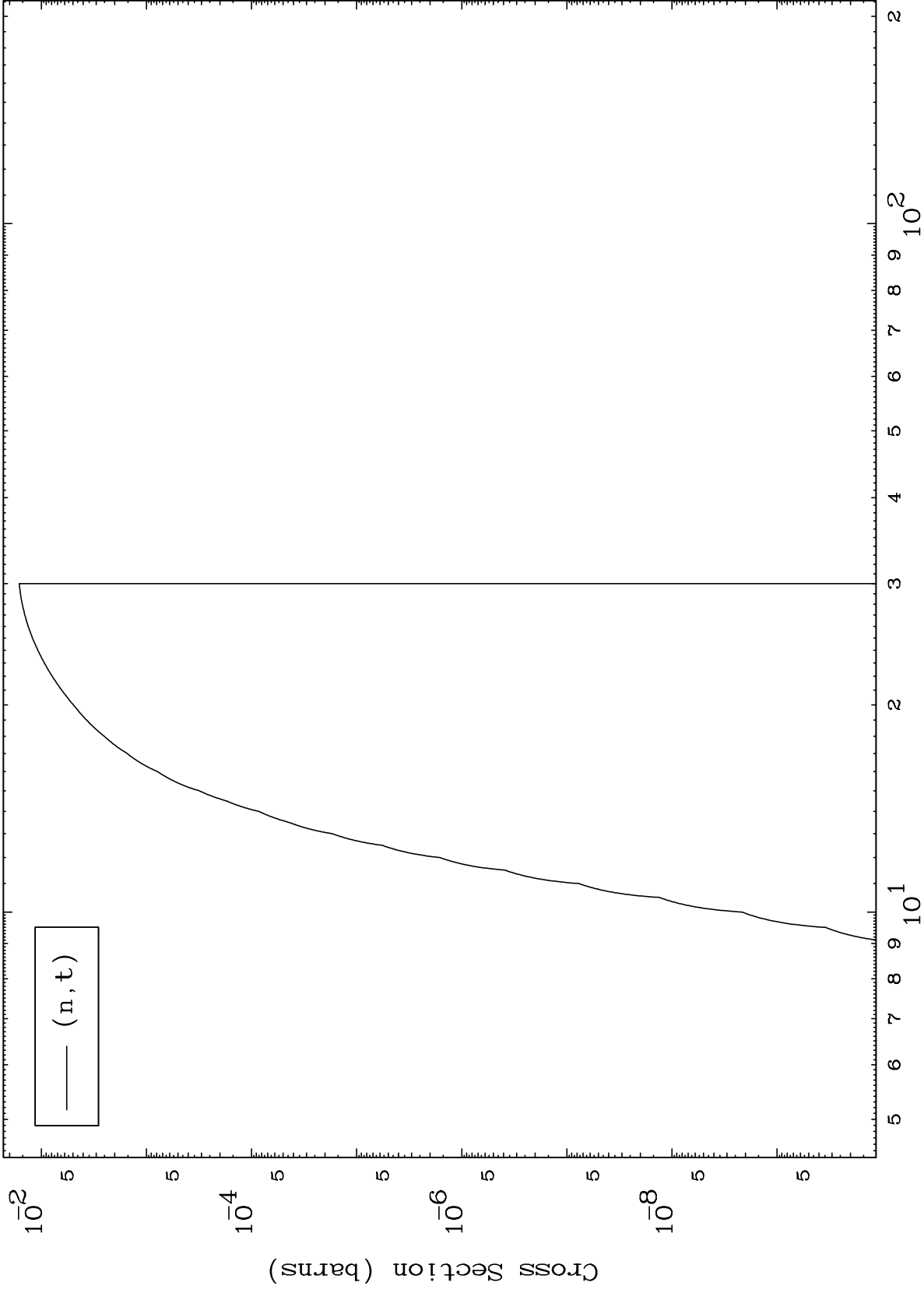
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MAT 6113

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-135



12

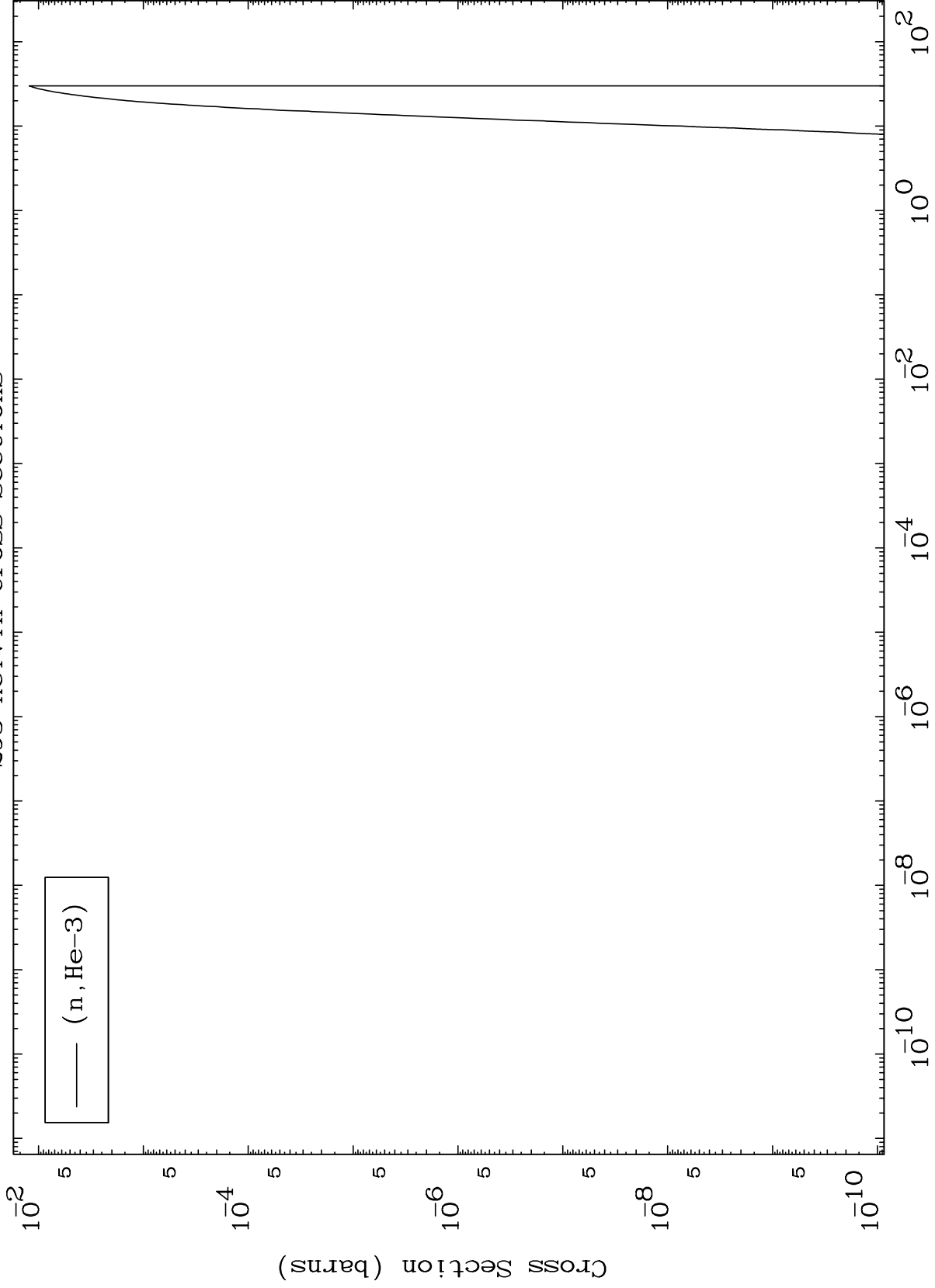
Incident Energy (MeV)

61-Pm-135

MAT 6113

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-135



13

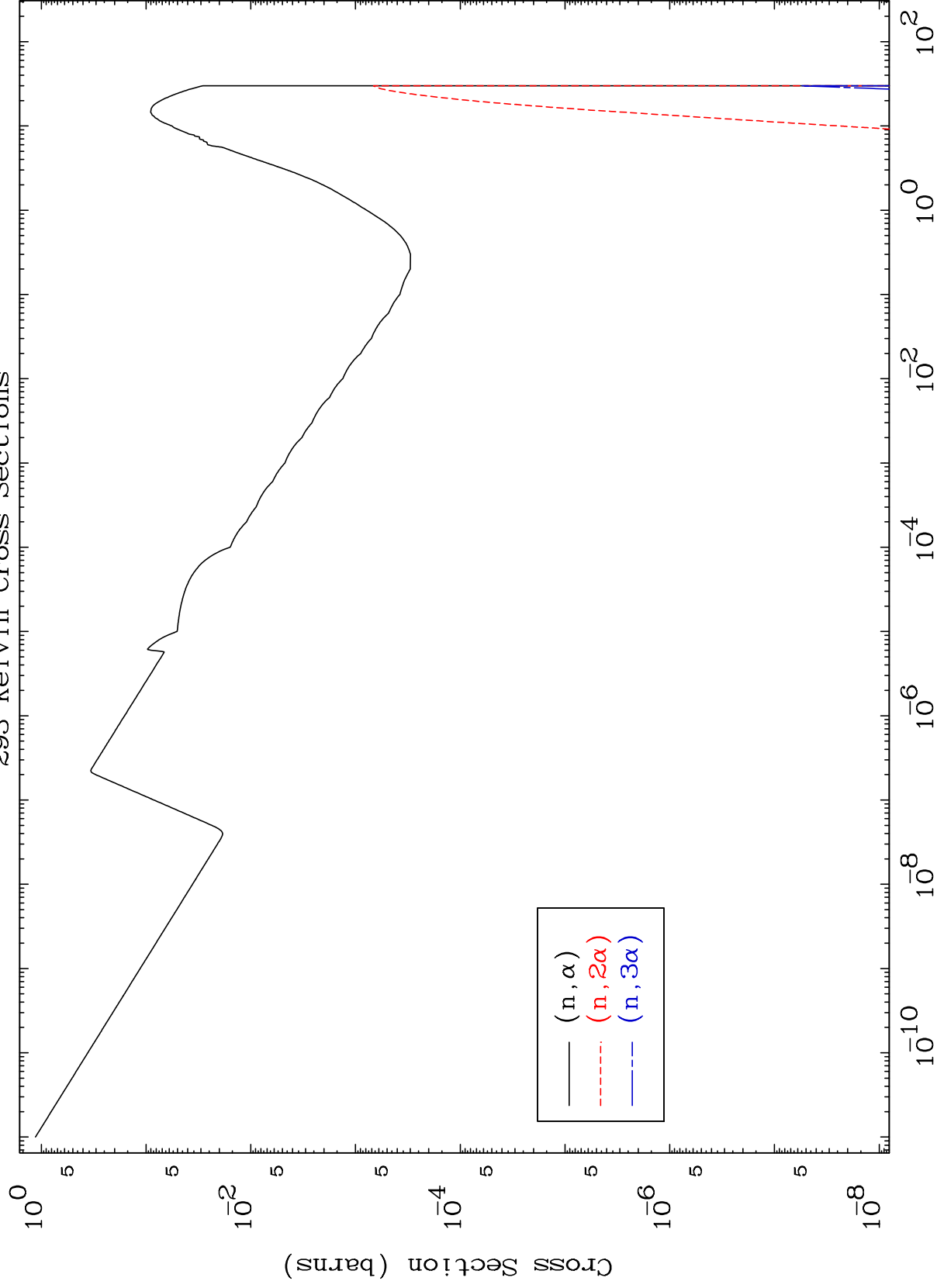
Incident Energy (MeV)

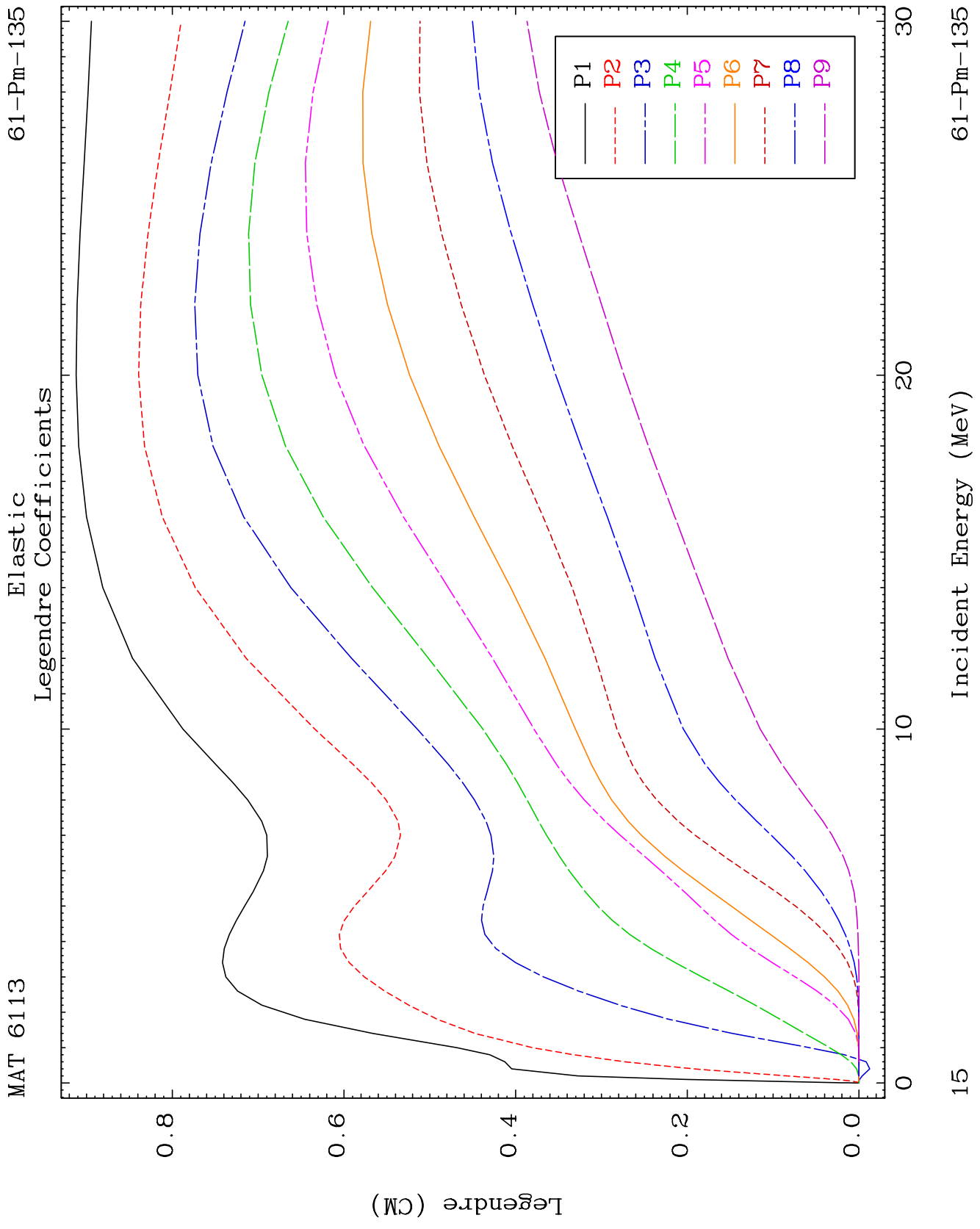
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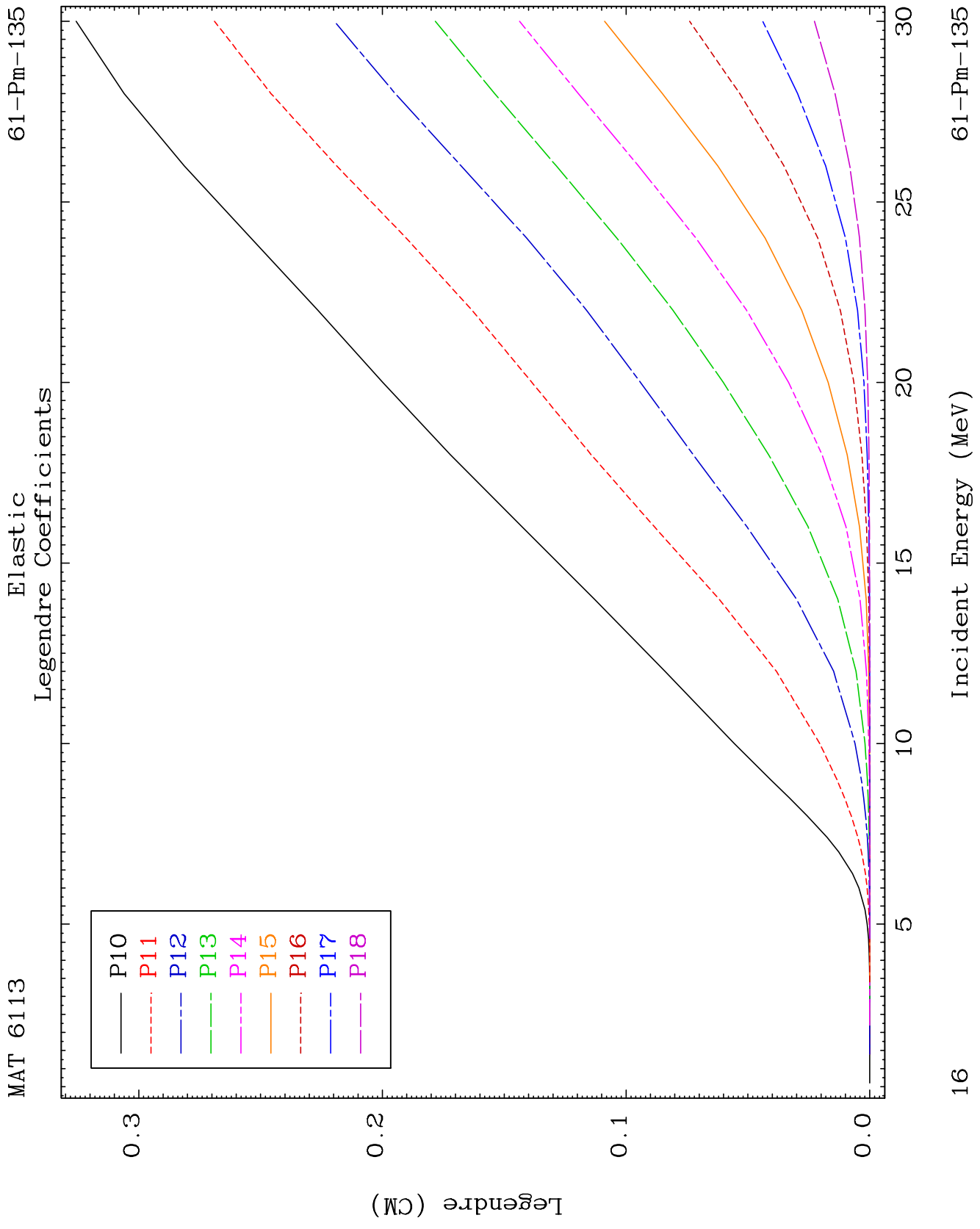
MAT 6113

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-135



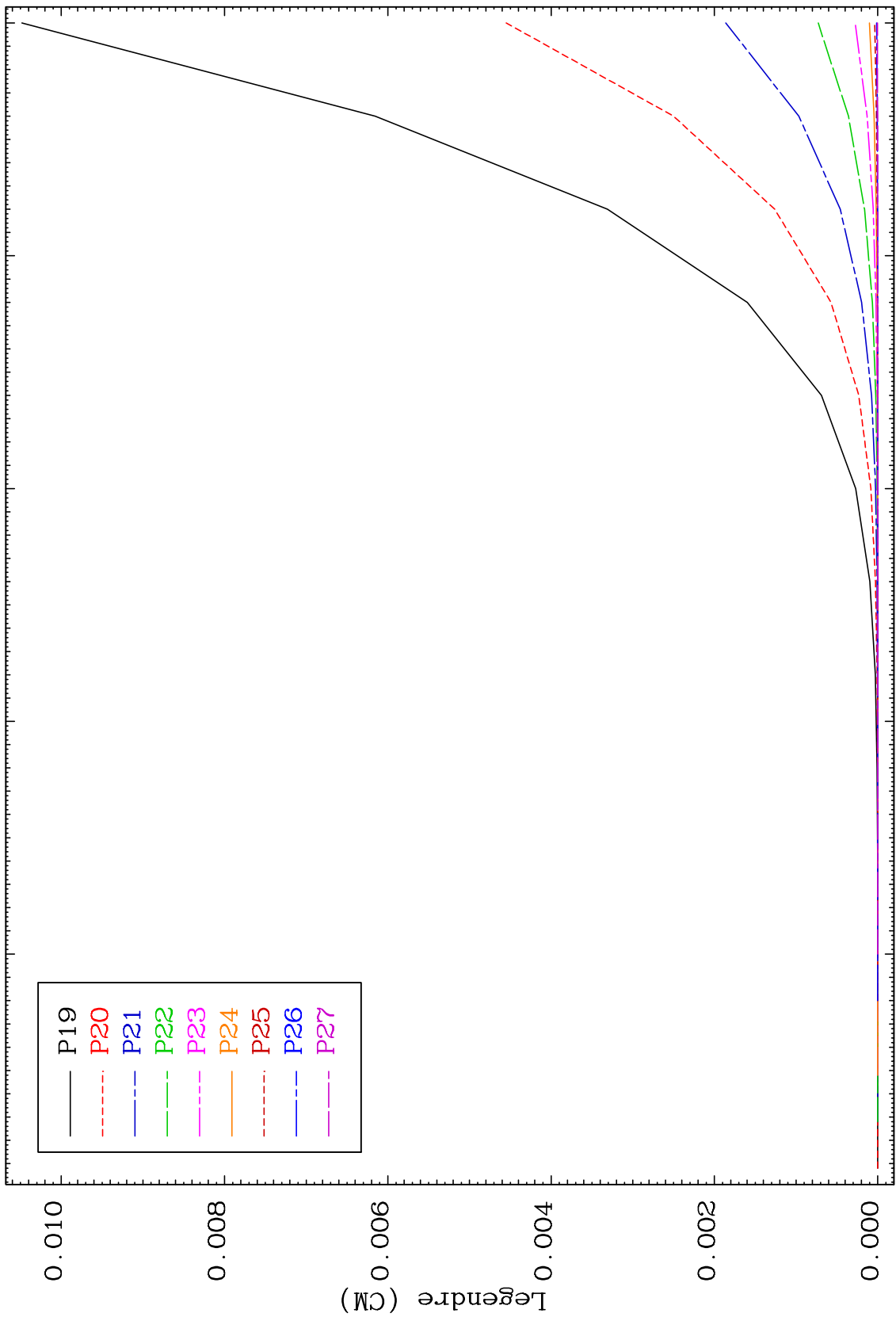




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Elastic Legendre Coefficients

61-Pm-135



17

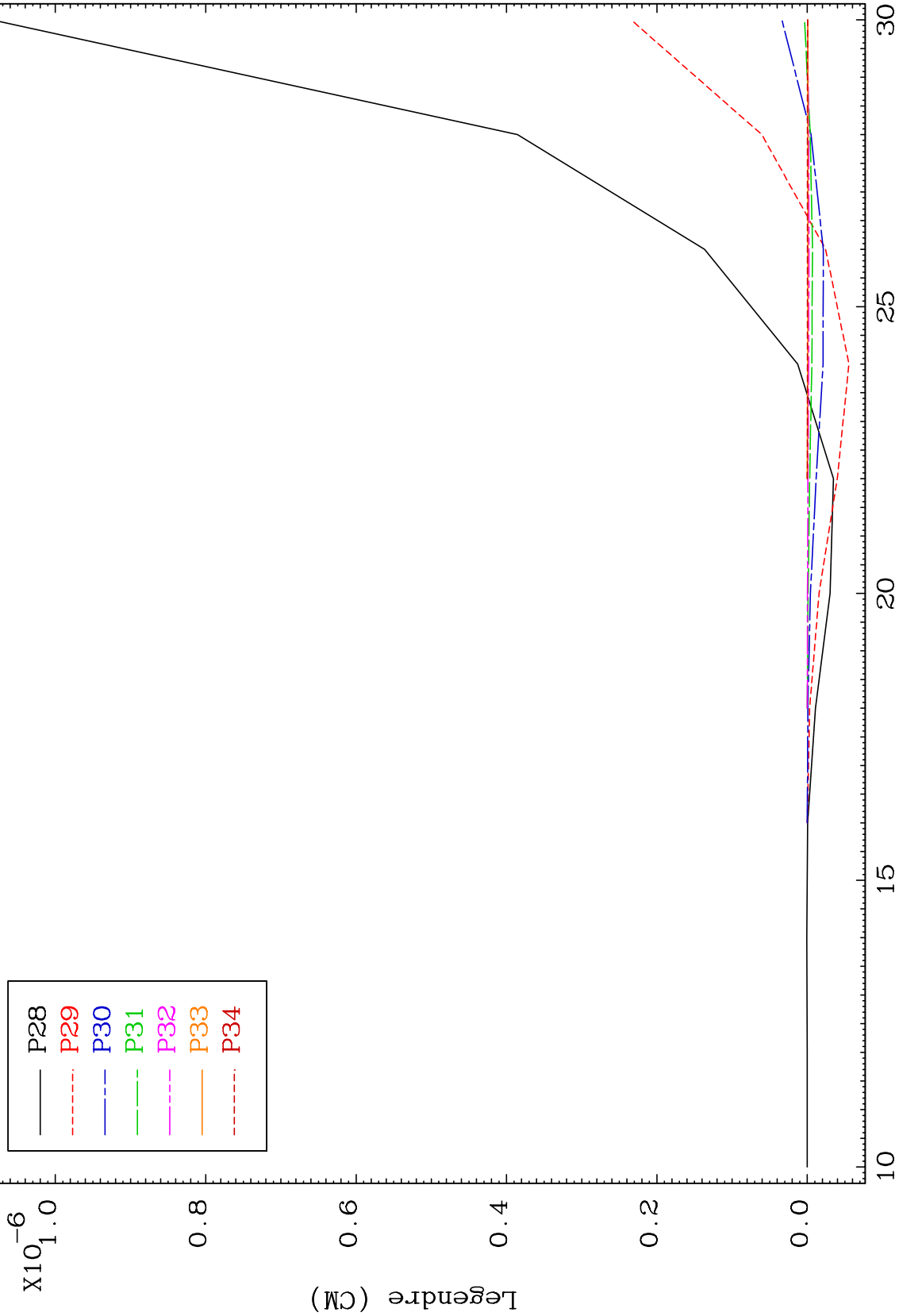
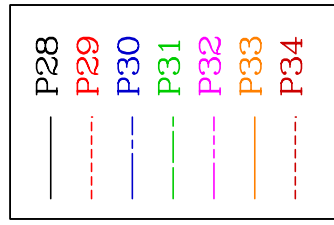
Incident Energy (MeV)

61-Pm-135

MAT 6113

Elastic Legendre Coefficients

61-Pm-135



61-Pm-135

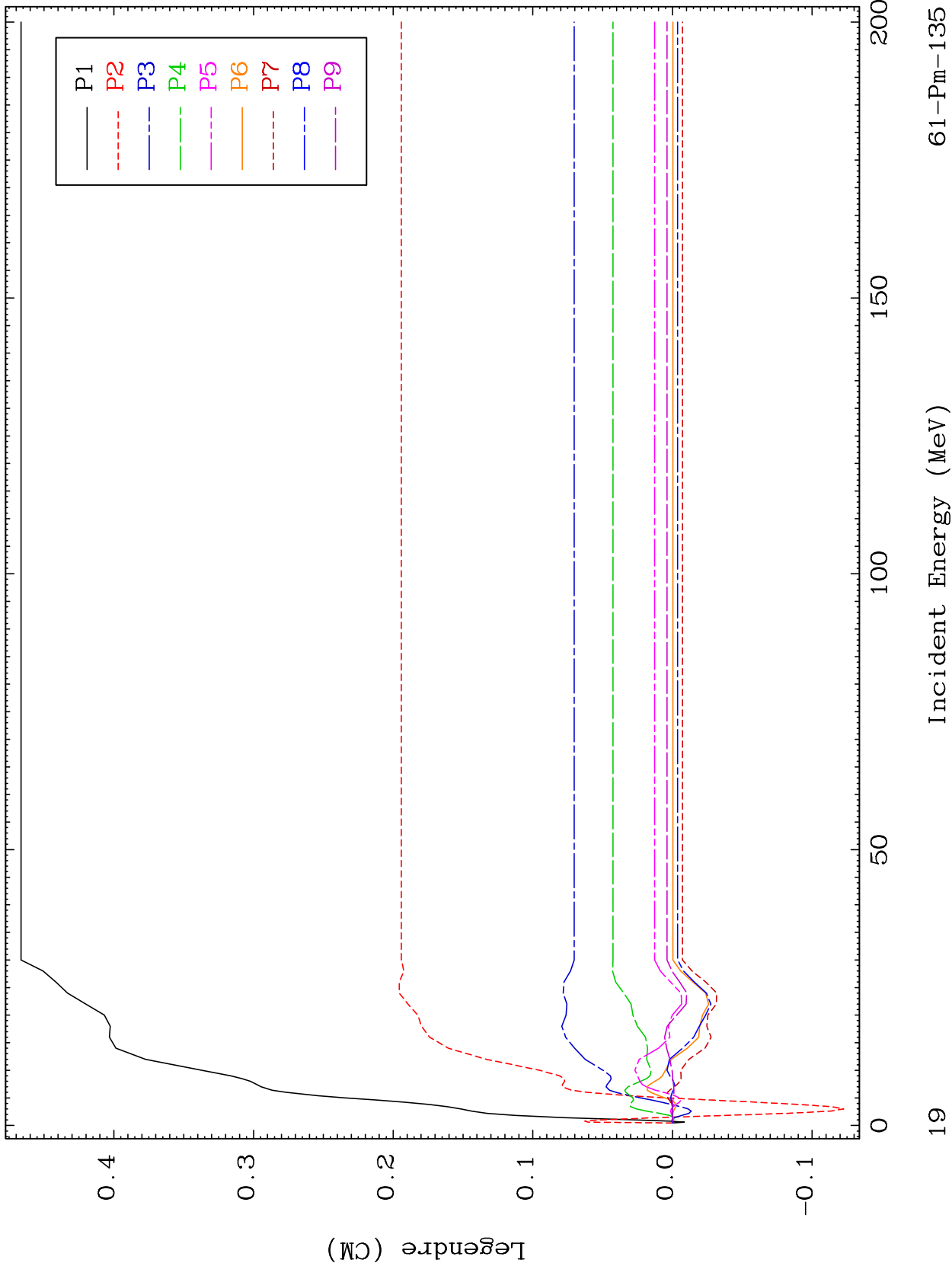
Incident Energy (MeV)

18

MAT 6113

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-135



61-Pm-135

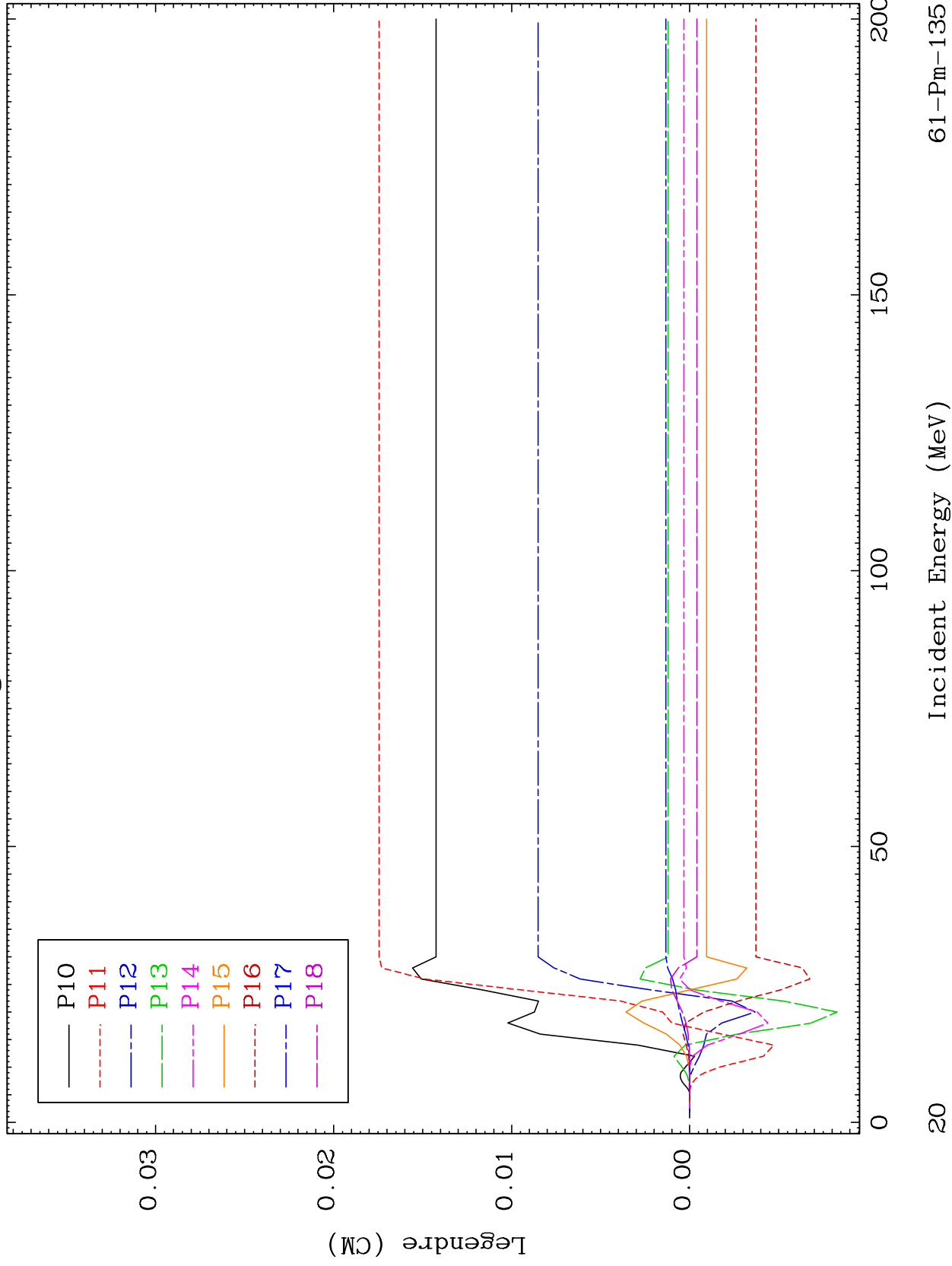
Incident Energy (MeV)

19

MAT 6113

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-135



61-Pm-135

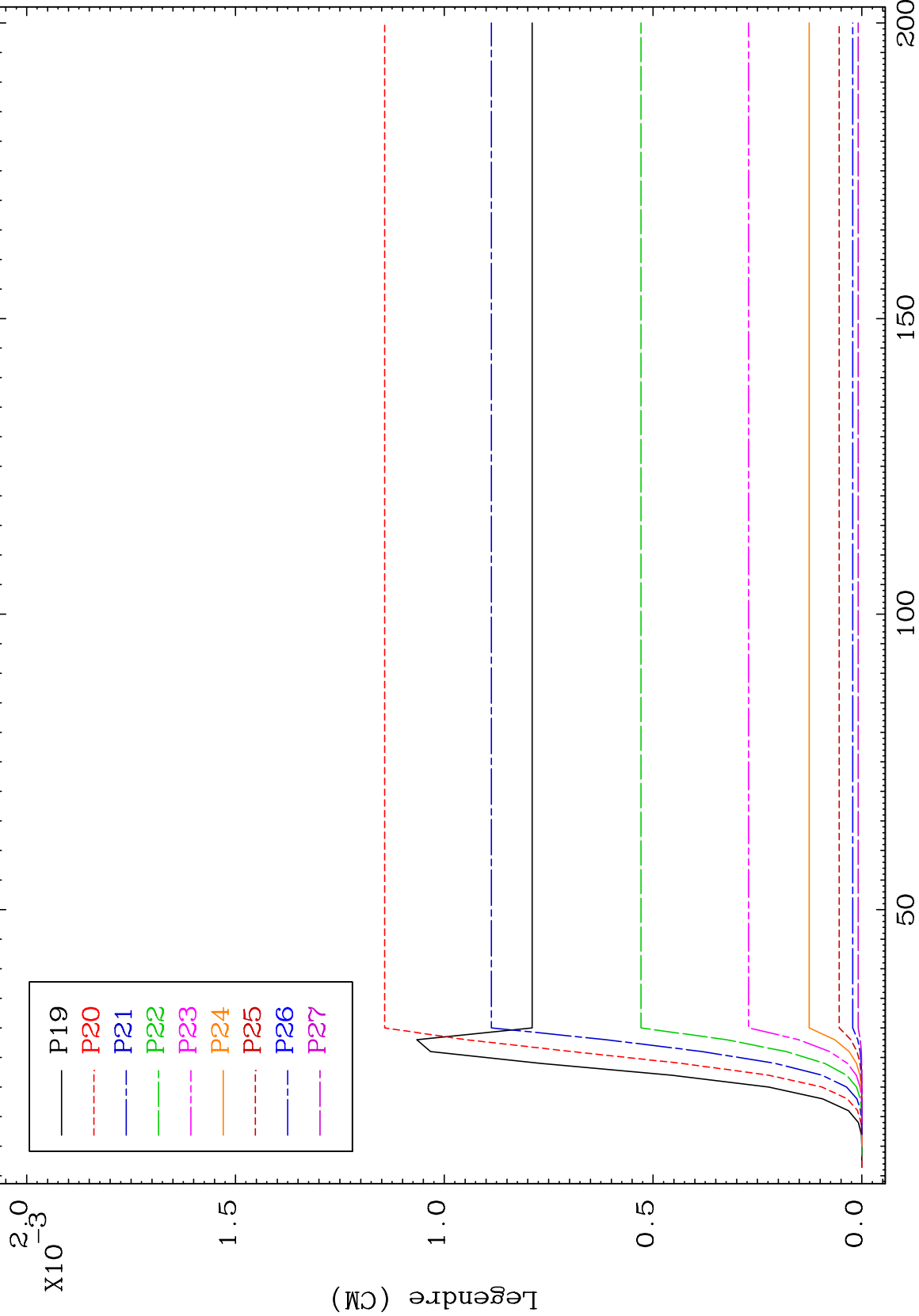
Incident Energy (MeV)

20

MAT 6113

MT= 51 (n,n') Level
Legendre Coefficients

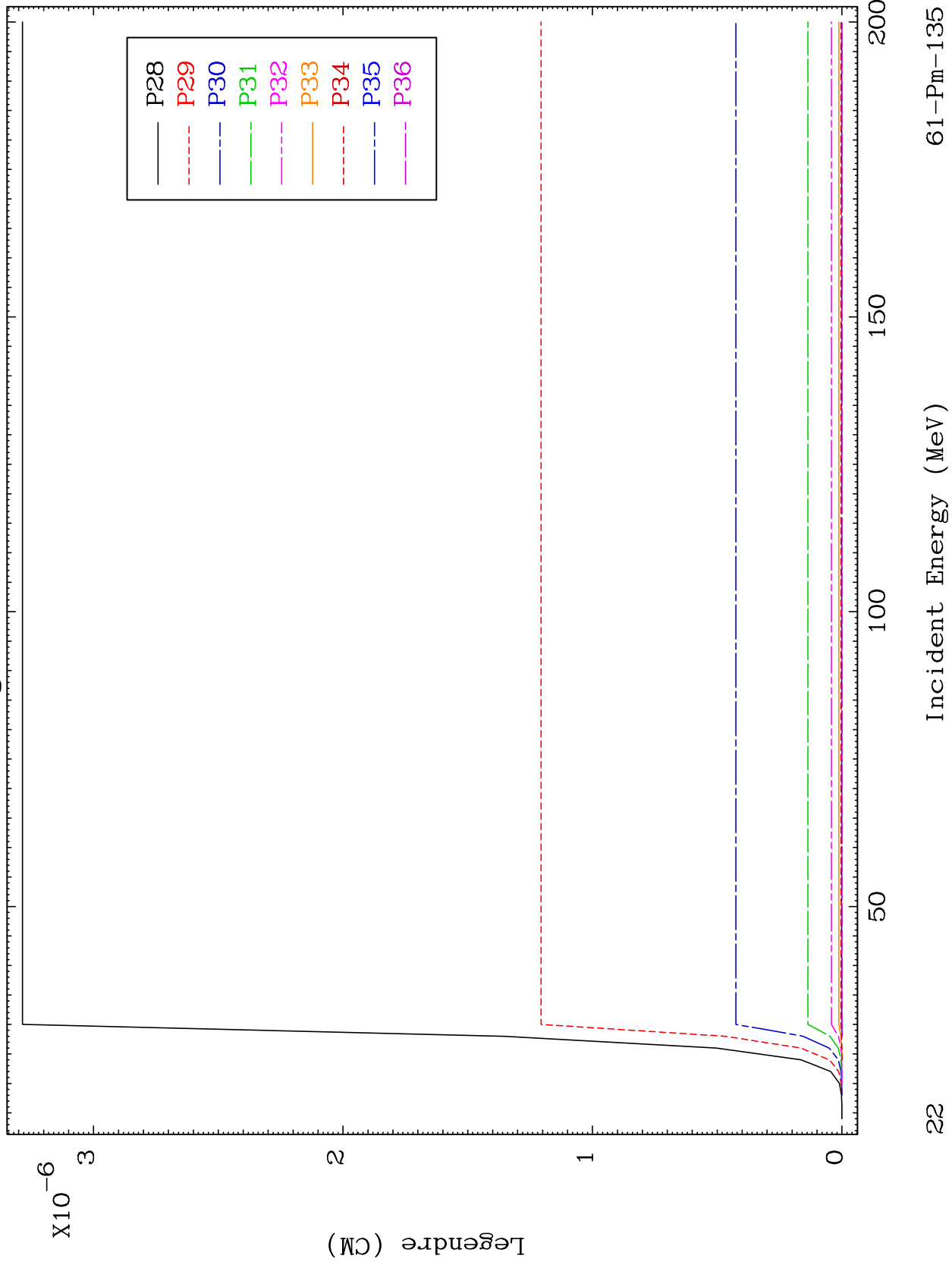
61-Pm-135



MAT 6113

MT= 51 (n,n') Level
Legendre Coefficients

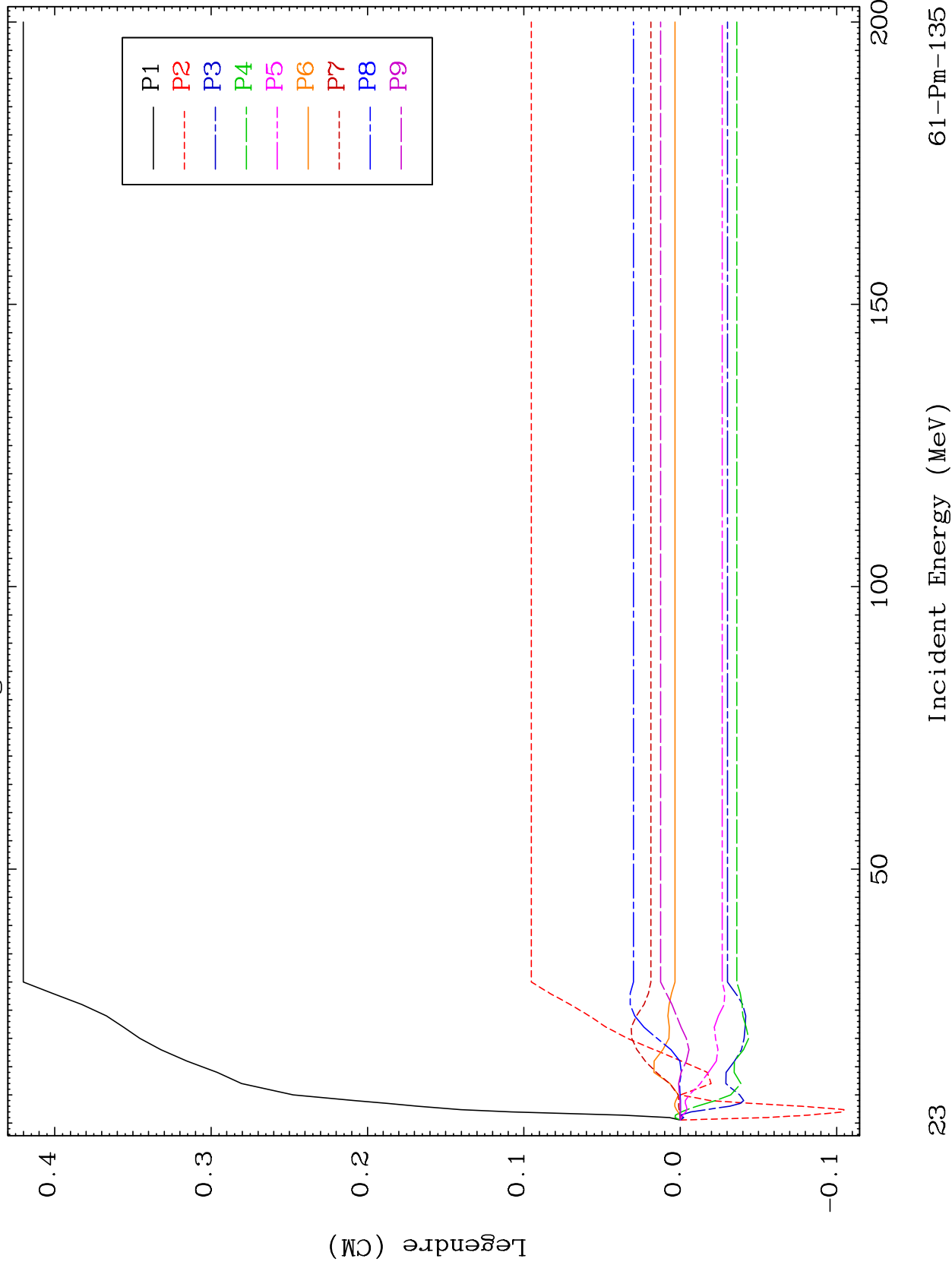
61-Pm-135



22

Incident Energy (MeV)

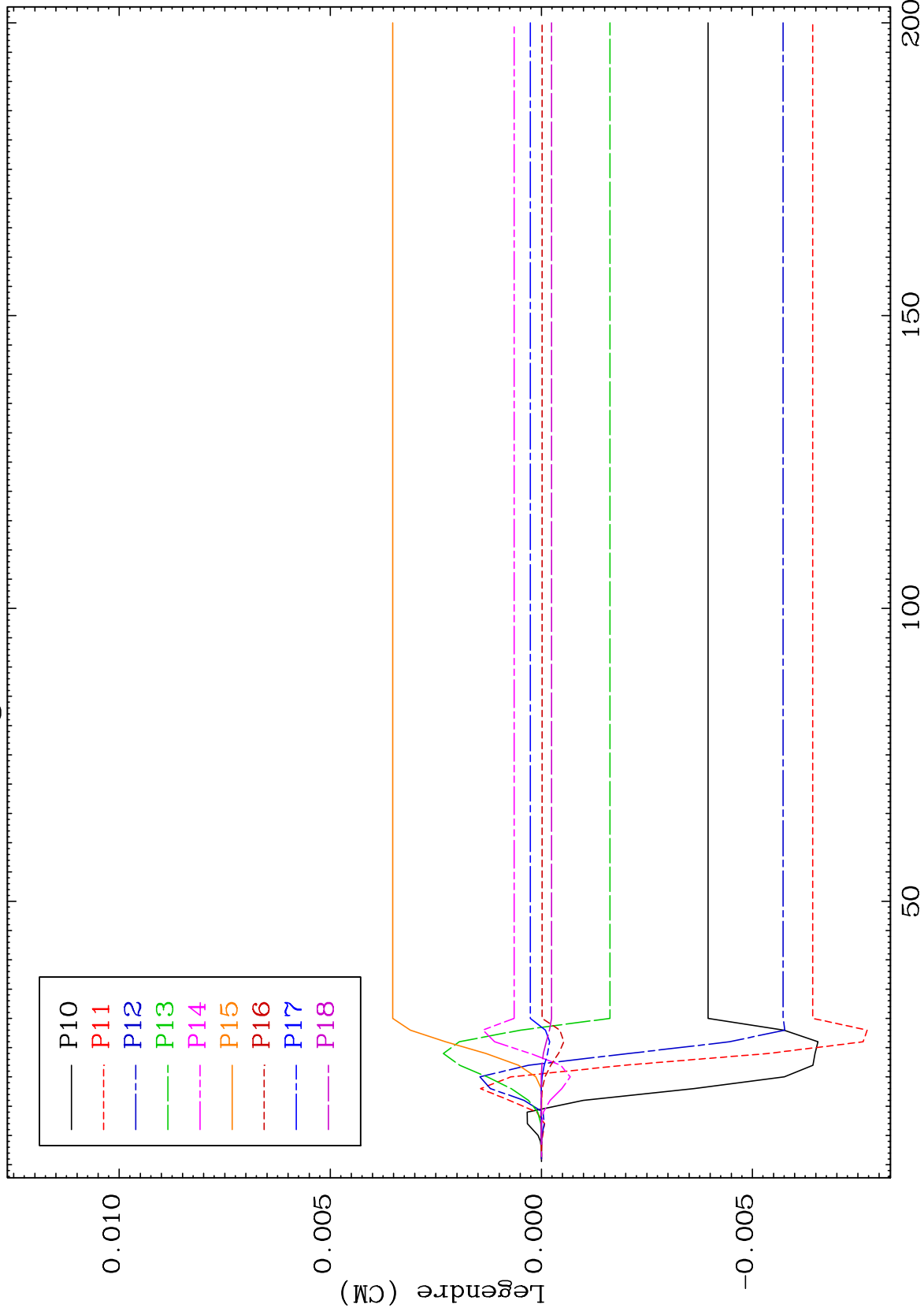
61-Pm-135



MAT 6113

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-135



24

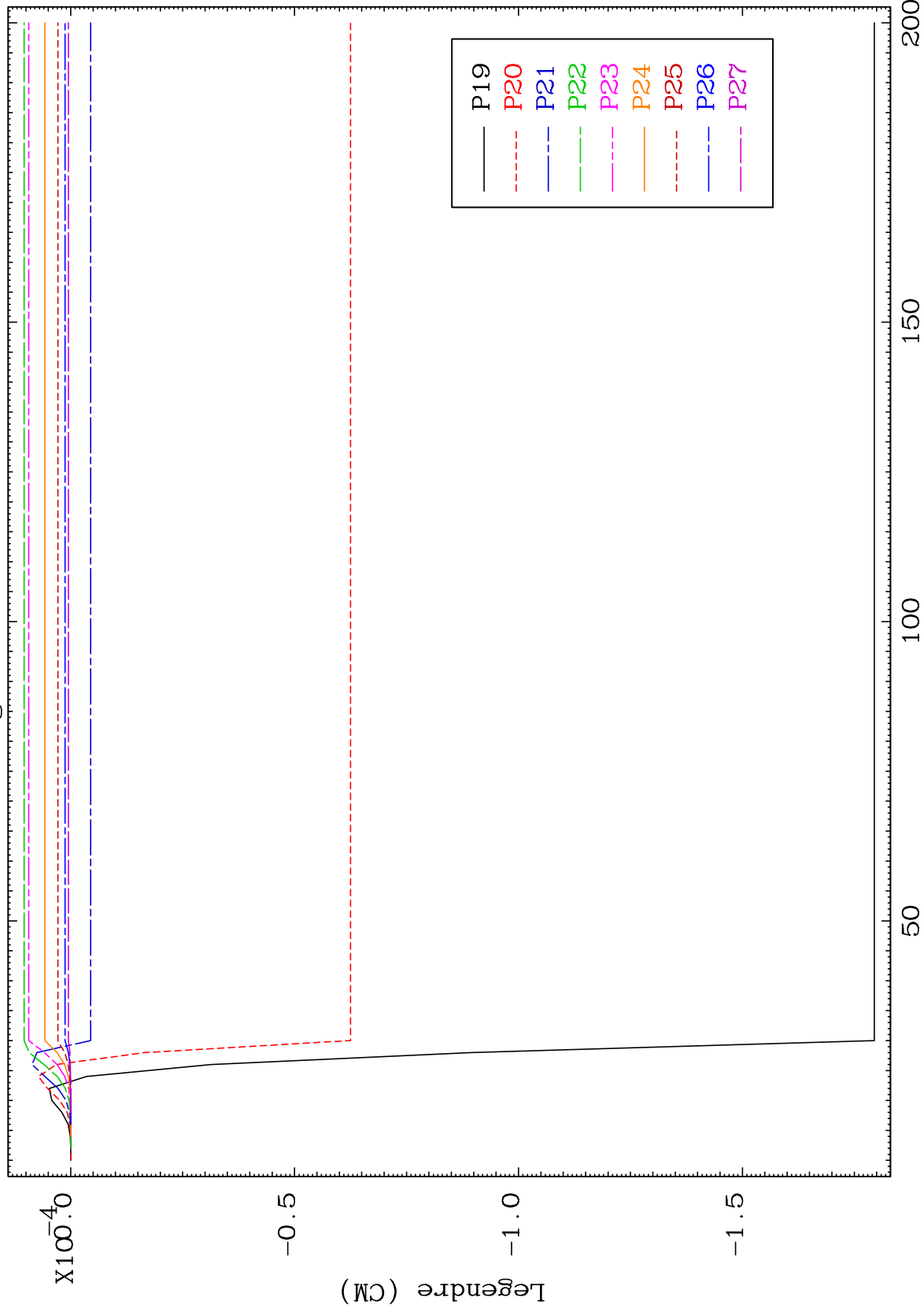
Incident Energy (MeV)

61-Pm-135

MAT 6113

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-135



25

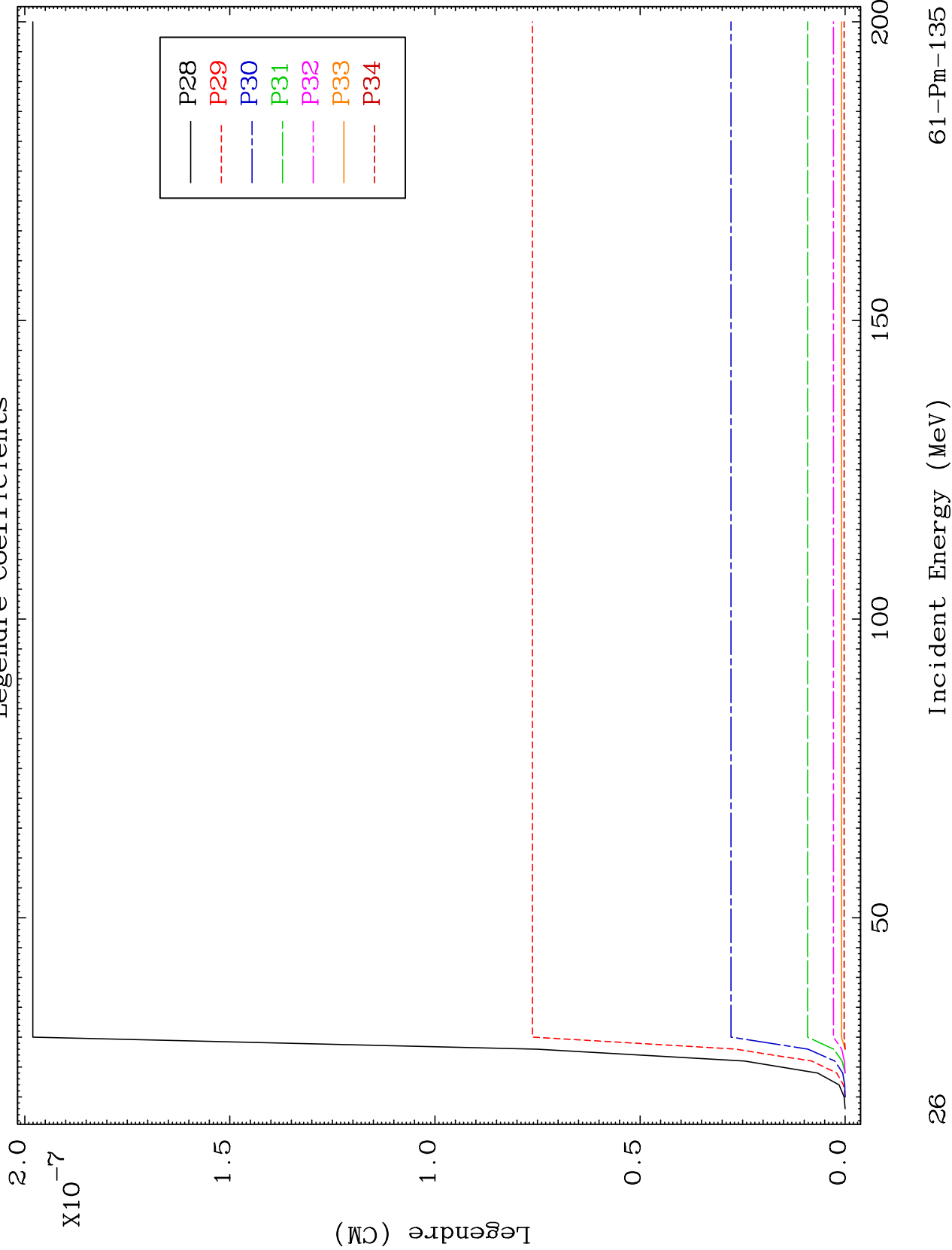
Incident Energy (MeV)

61-Pm-135

MAT 6113

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-135



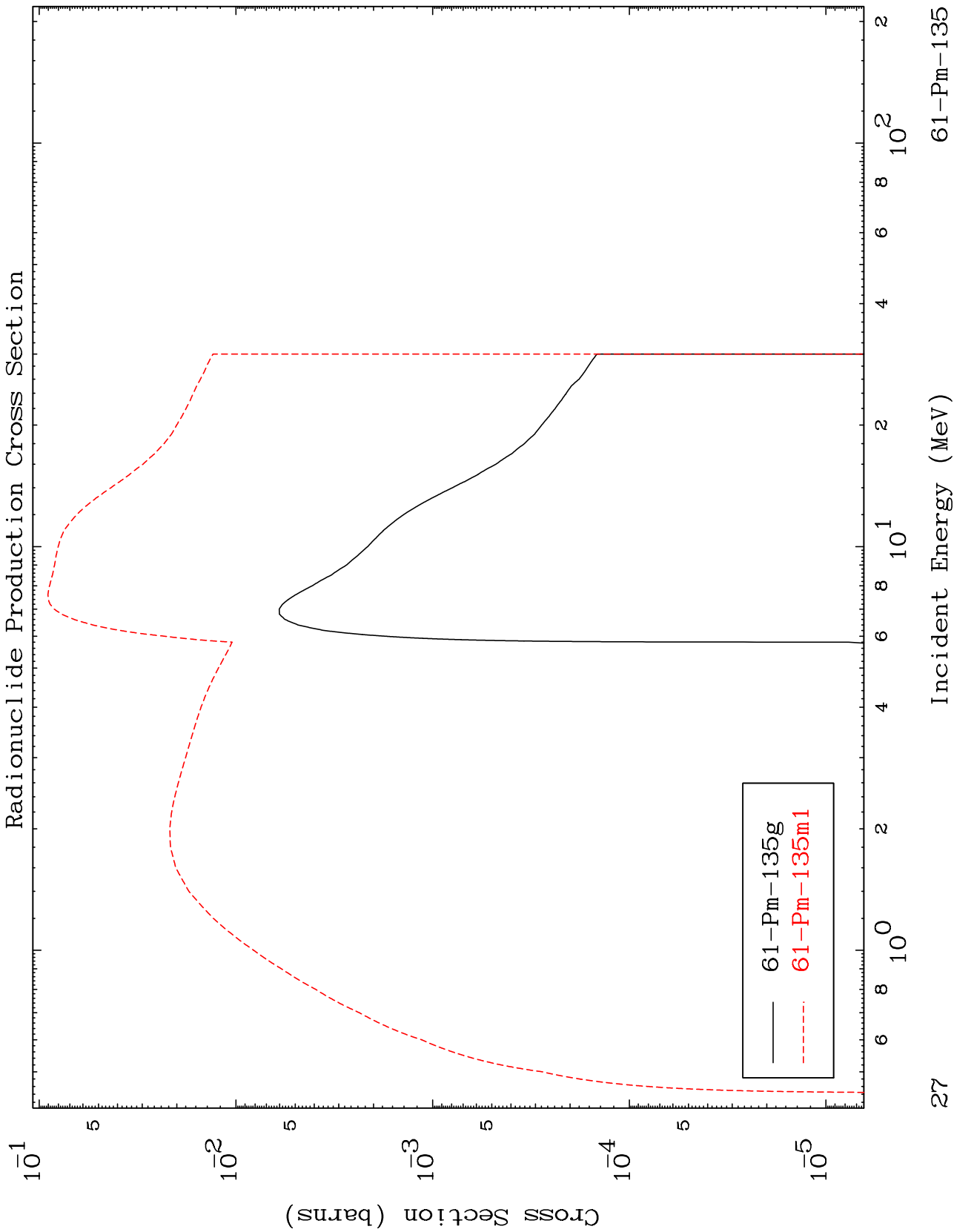
26

Incident Energy (MeV)

61-Pm-135

MAT 6113

61-Pm-135

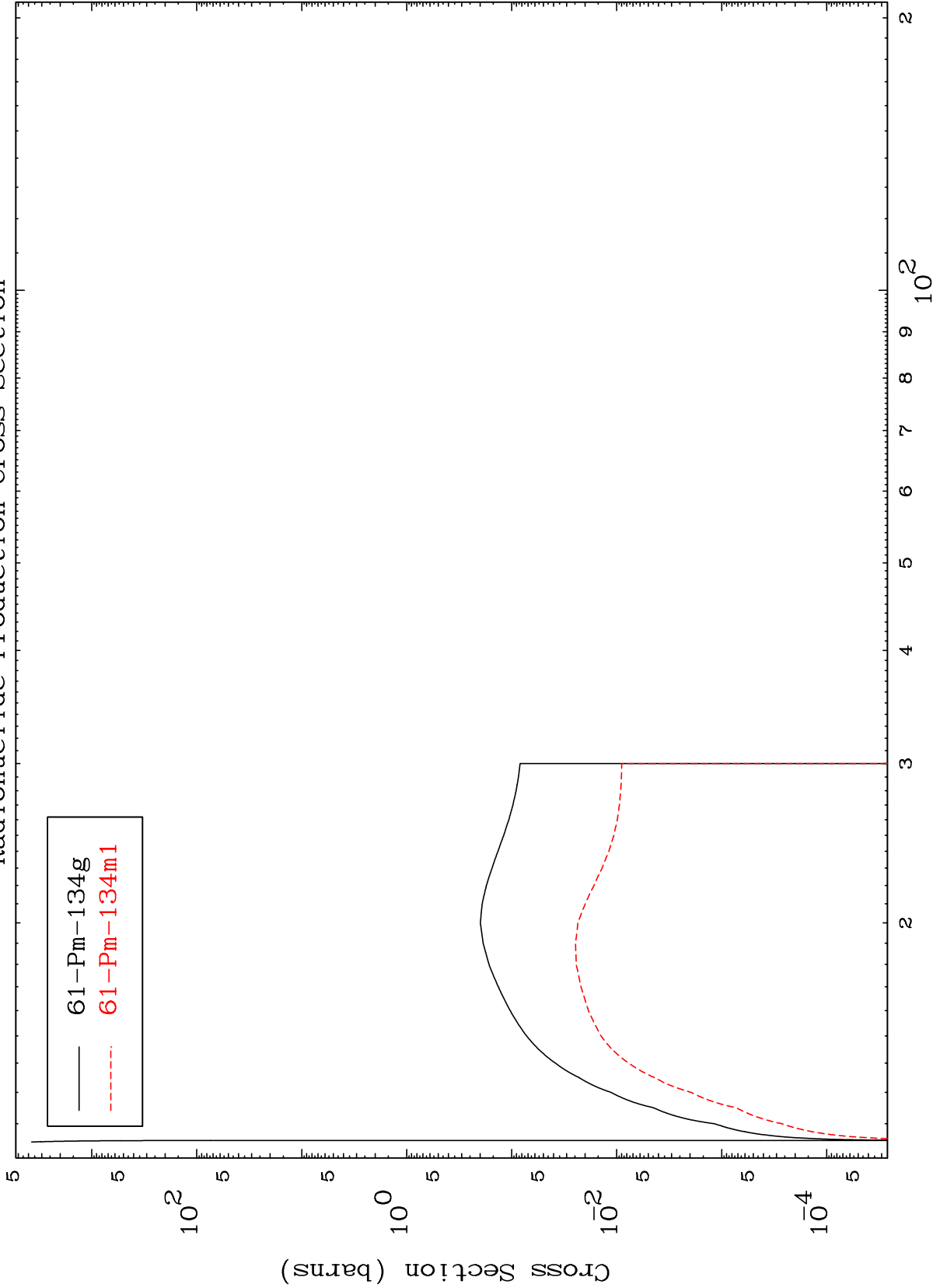


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(n,2n)

61-Pm-135

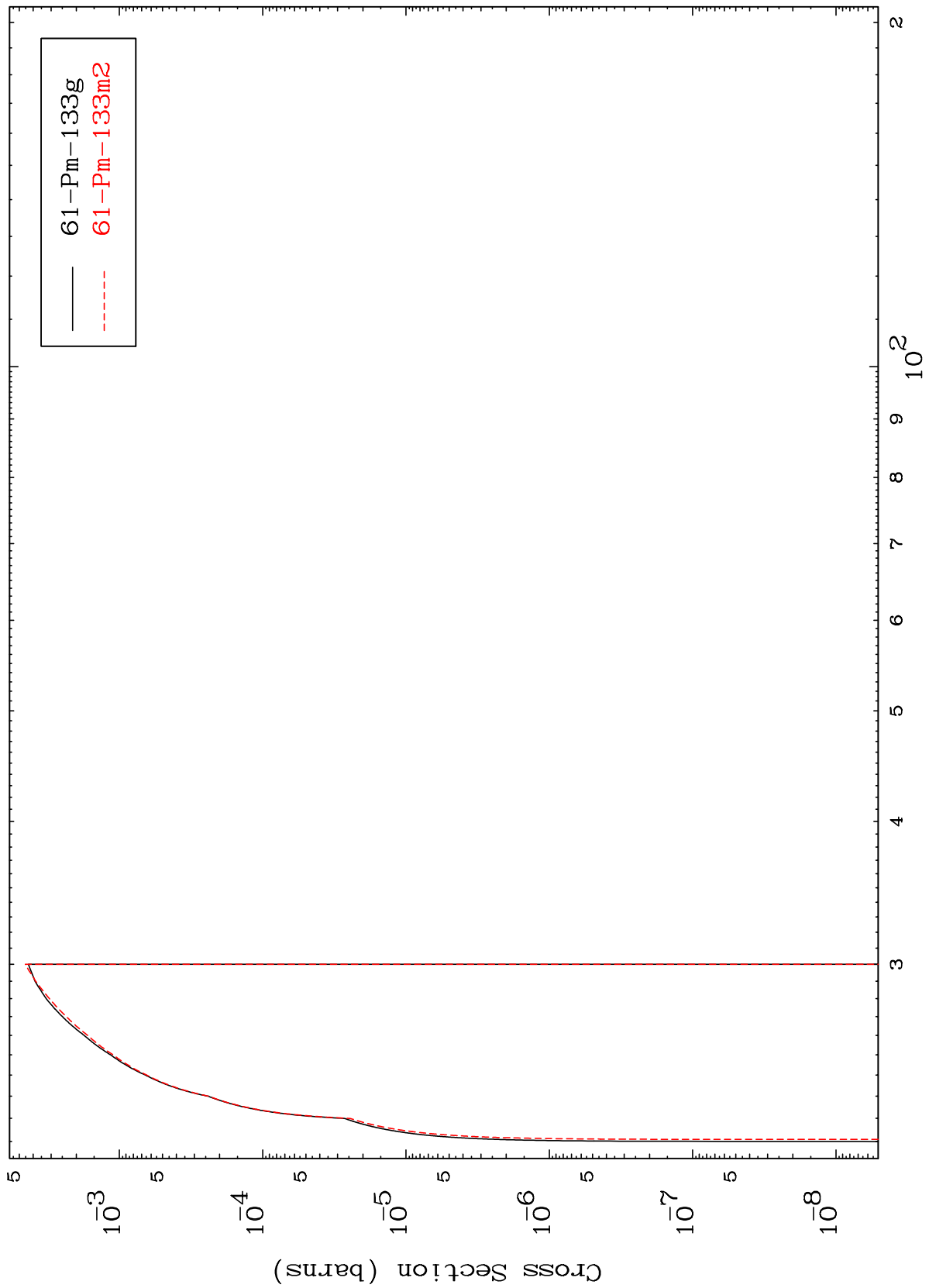
Radionuclide Production Cross Section



MAT 6113

61-Pm-135

(n,3n)
Radionuclide Production Cross Section

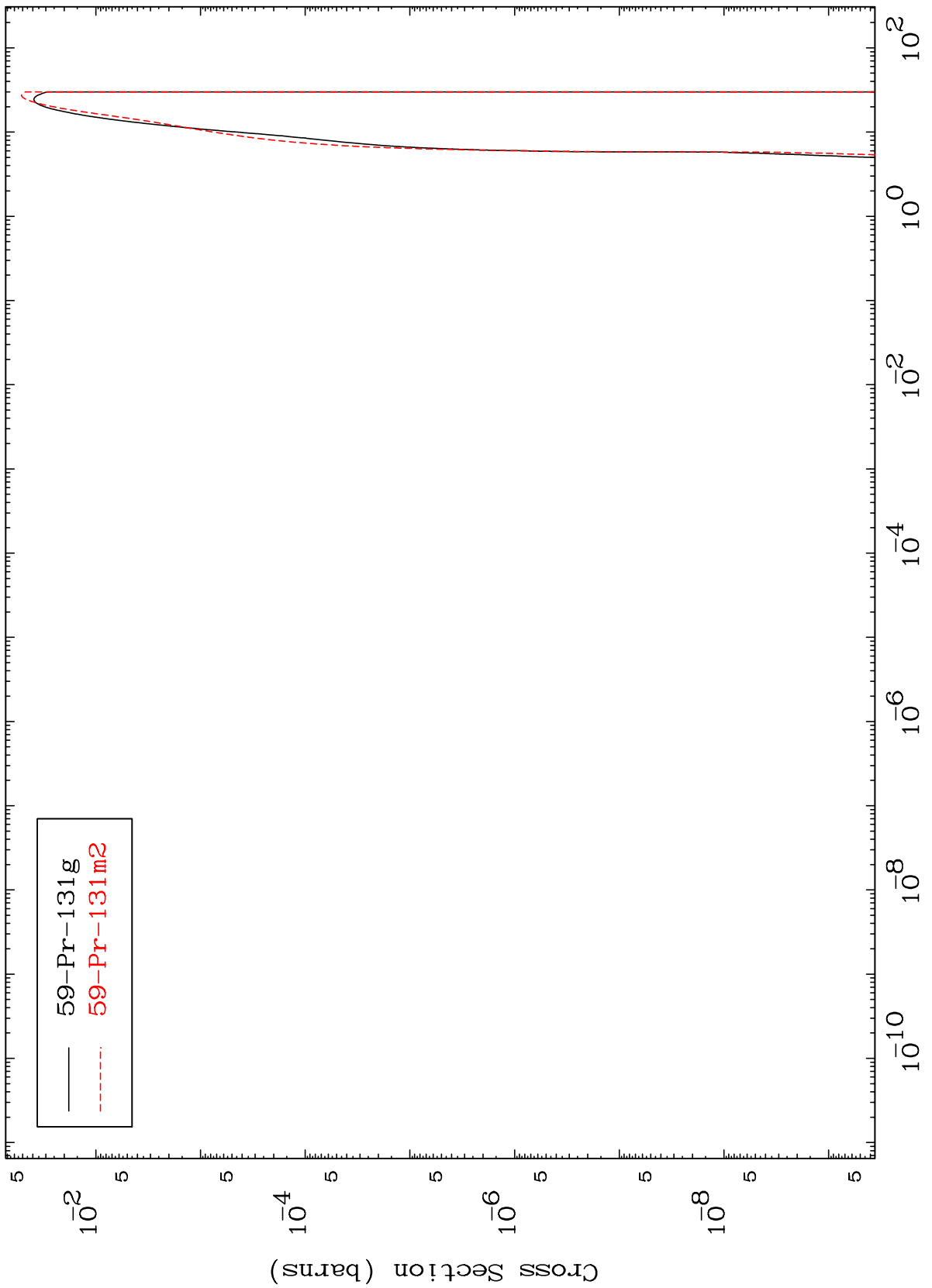


MAT 6113

$(n, n') \alpha$

61-Pm-135

Radionuclide Production Cross Section



30

Incident Energy (MeV)

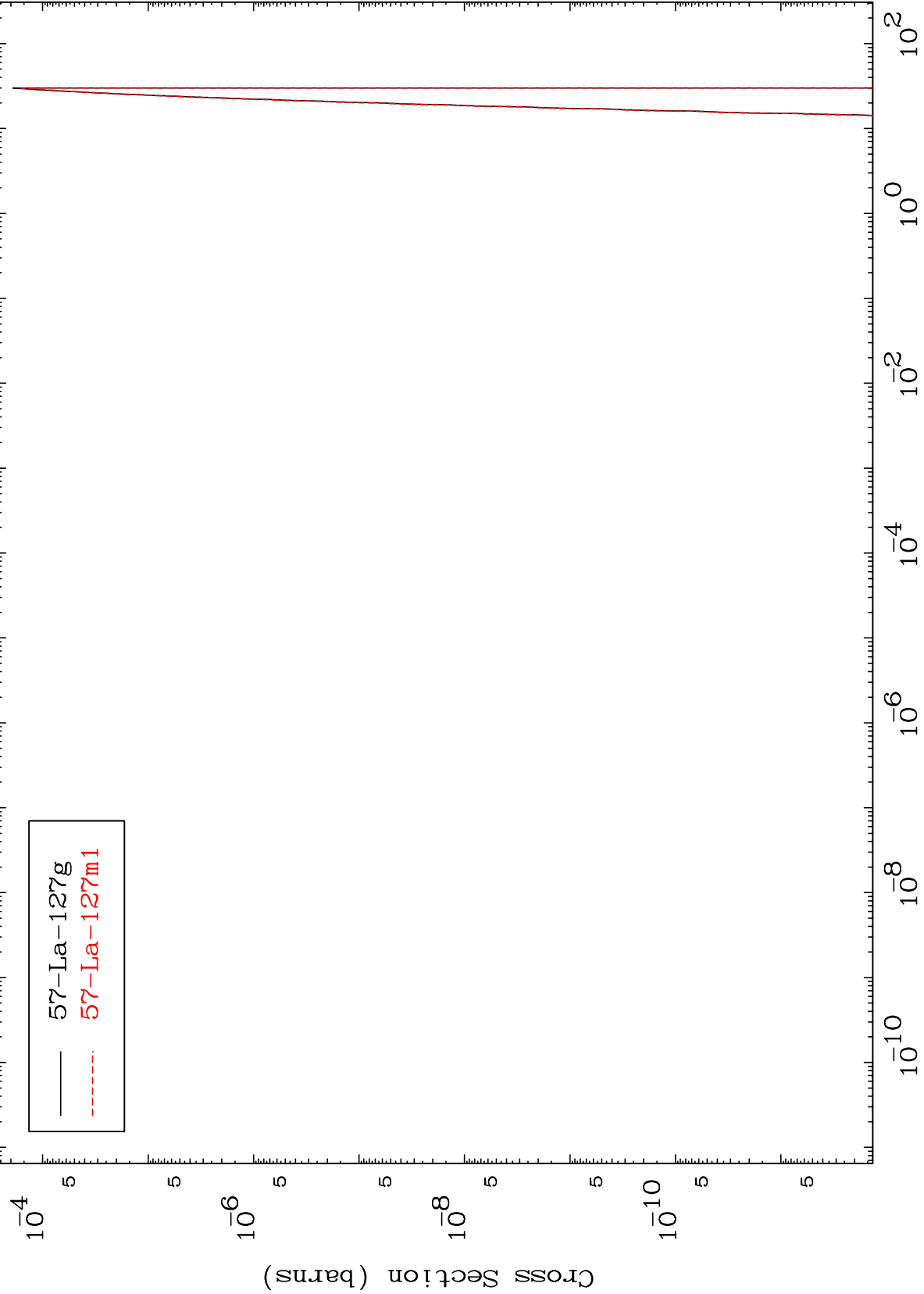
61-Pm-135

MAT 6113

(n,n') 2α

61-Pm-135

Radionuclide Production Cross Section

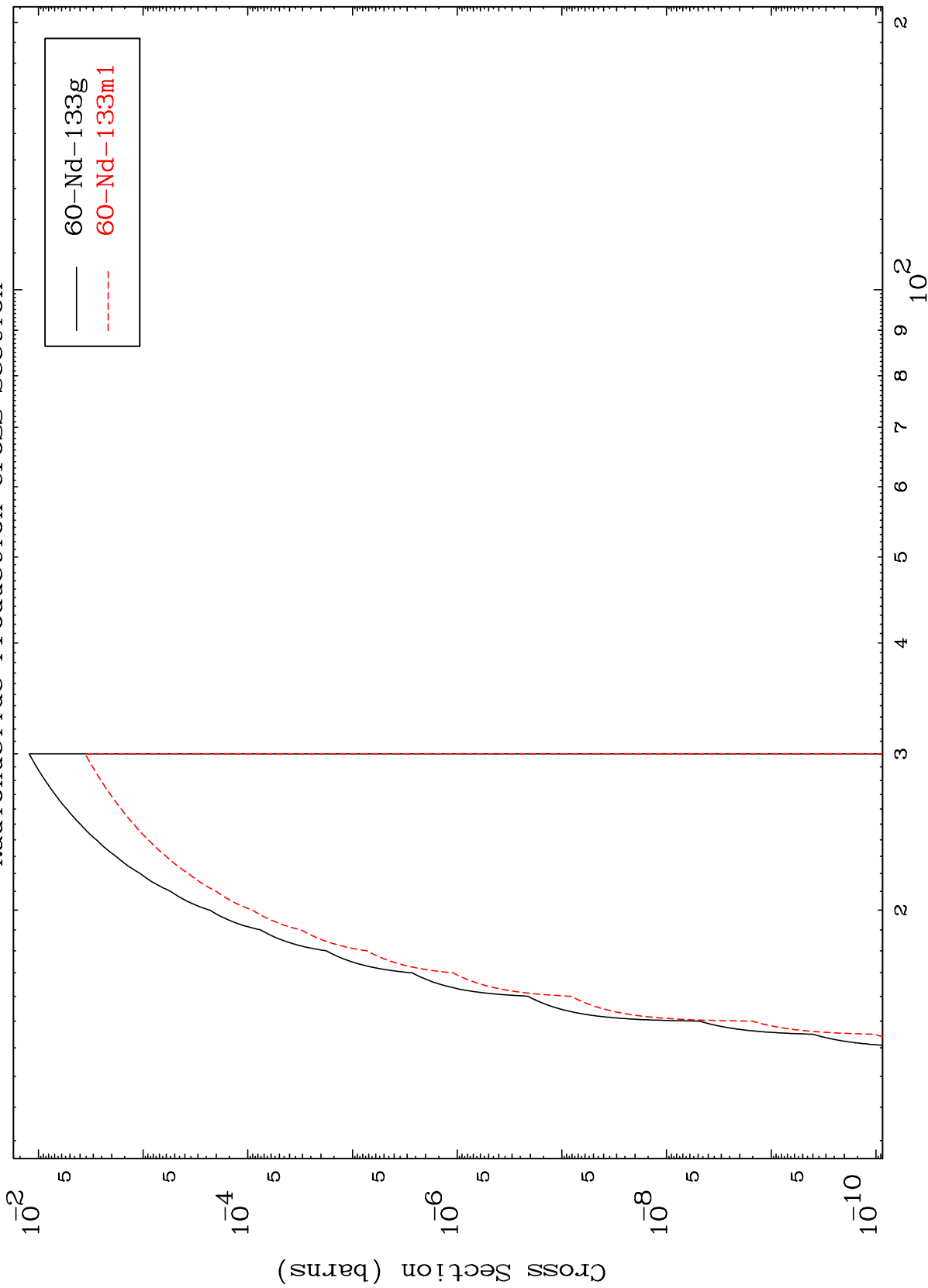


MAT 6113

(n,n') d

61-Pm-135

Radionuclide Production Cross Section

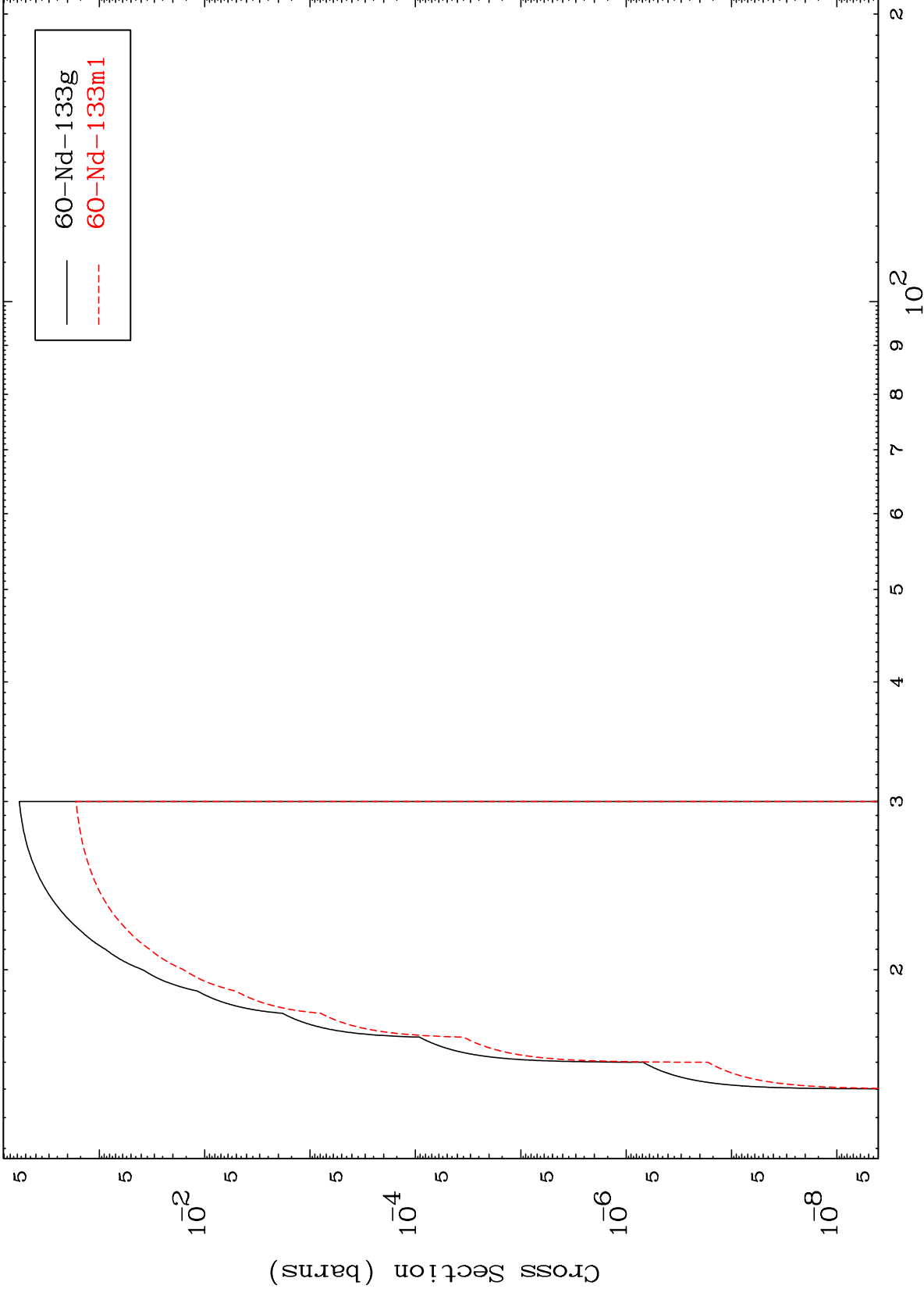


32

Incident Energy (MeV)

61-Pm-135

Radionuclide Production Cross Section

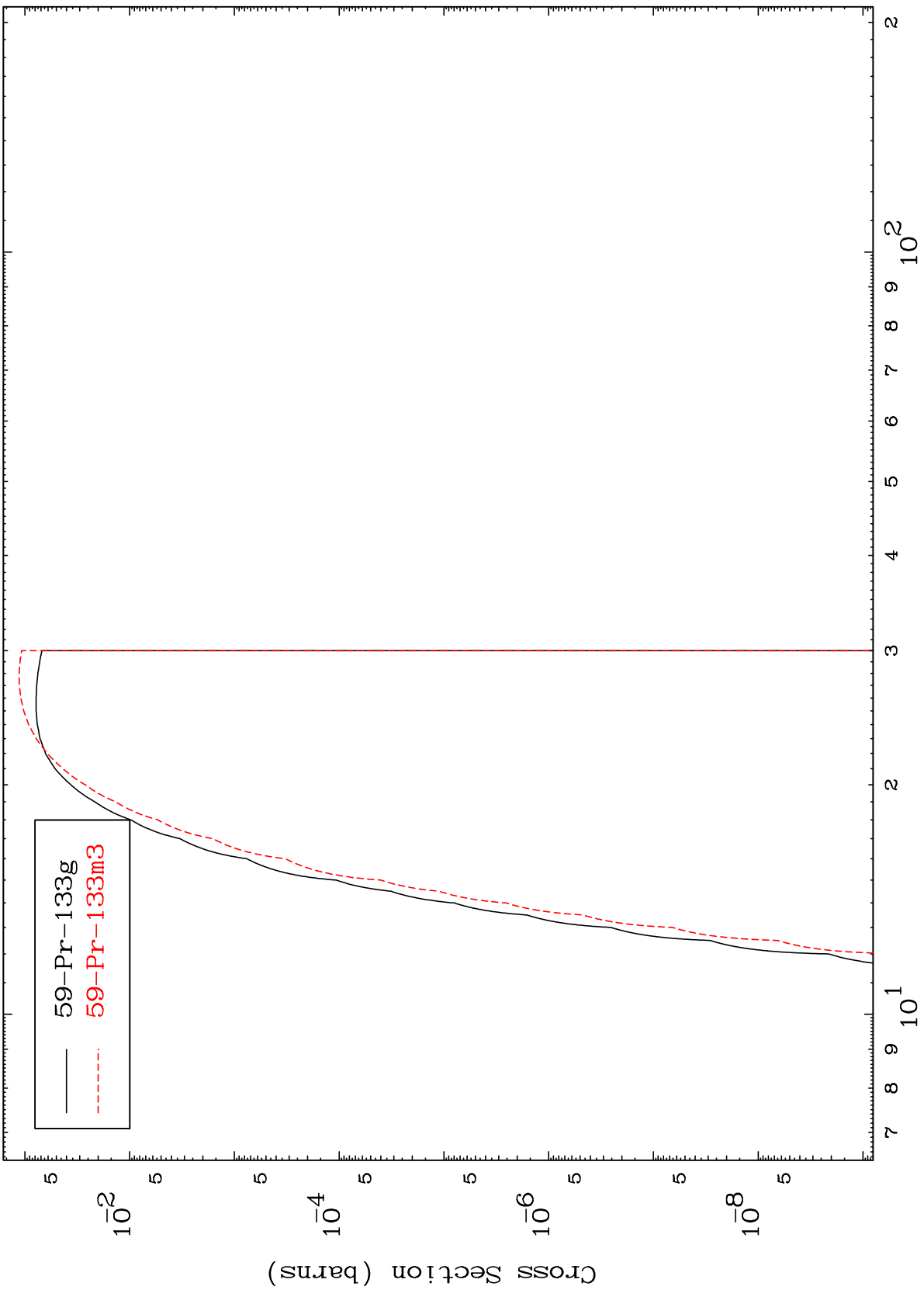


MAT 6113

(n,2n) p

61-Pm-135

Radionuclide Production Cross Section



59-Pr-133g
59-Pr-133m3

34

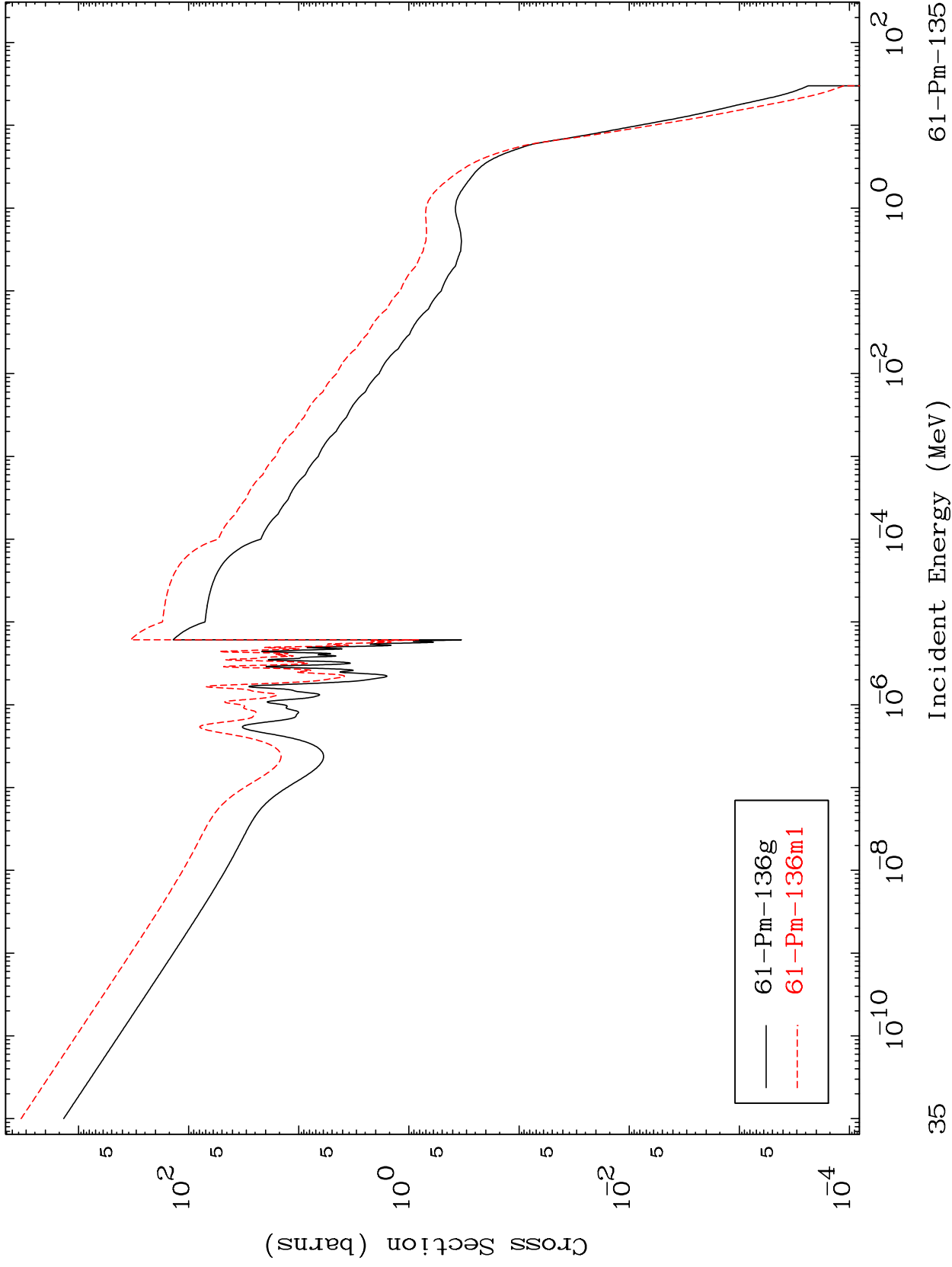
Incident Energy (MeV)

61-Pm-135

MAT 6113

61-Pm-135

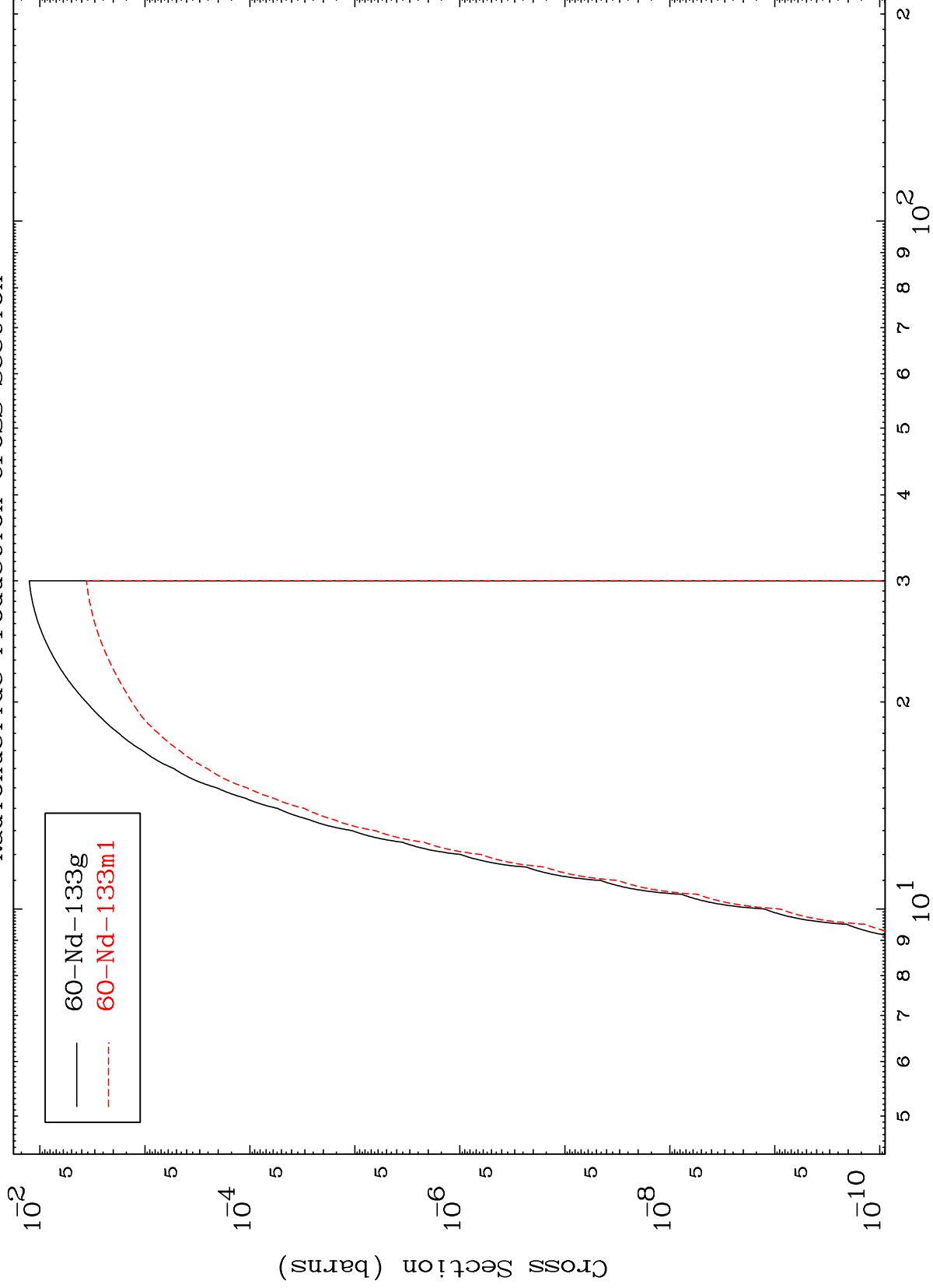
(n, γ)
Radionuclide Production Cross Section



MAT 6113

61-Pm-135

Radionuclide Production Cross Section (n, t)



36

Incident Energy (MeV)

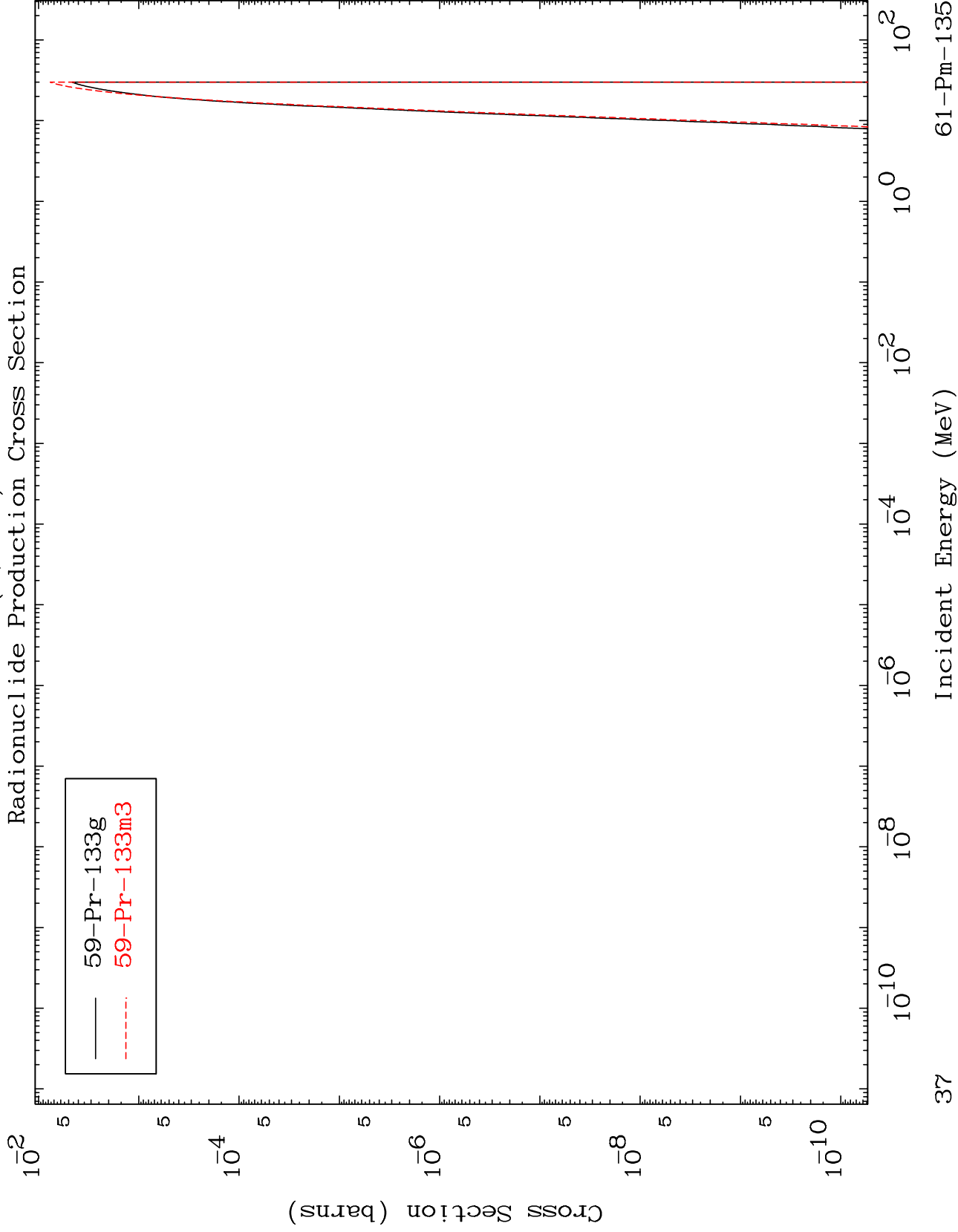
61-Pm-135

MAT 6113

(n,He-3)

61-Pm-135

Radionuclide Production Cross Section

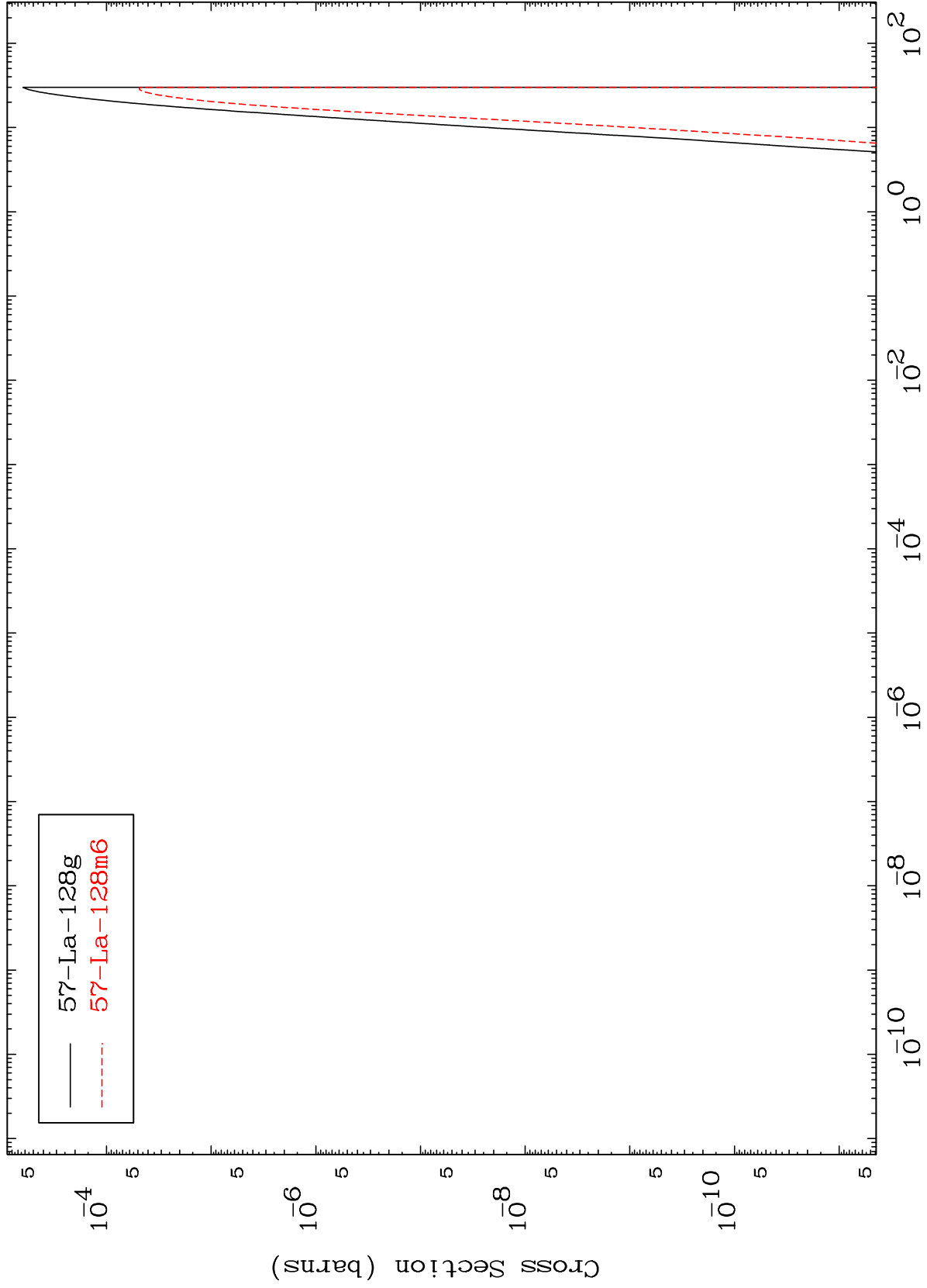


MAT 6113

(n,2α)

61-Pm-135

Radionuclide Production Cross Section



38

Incident Energy (MeV)

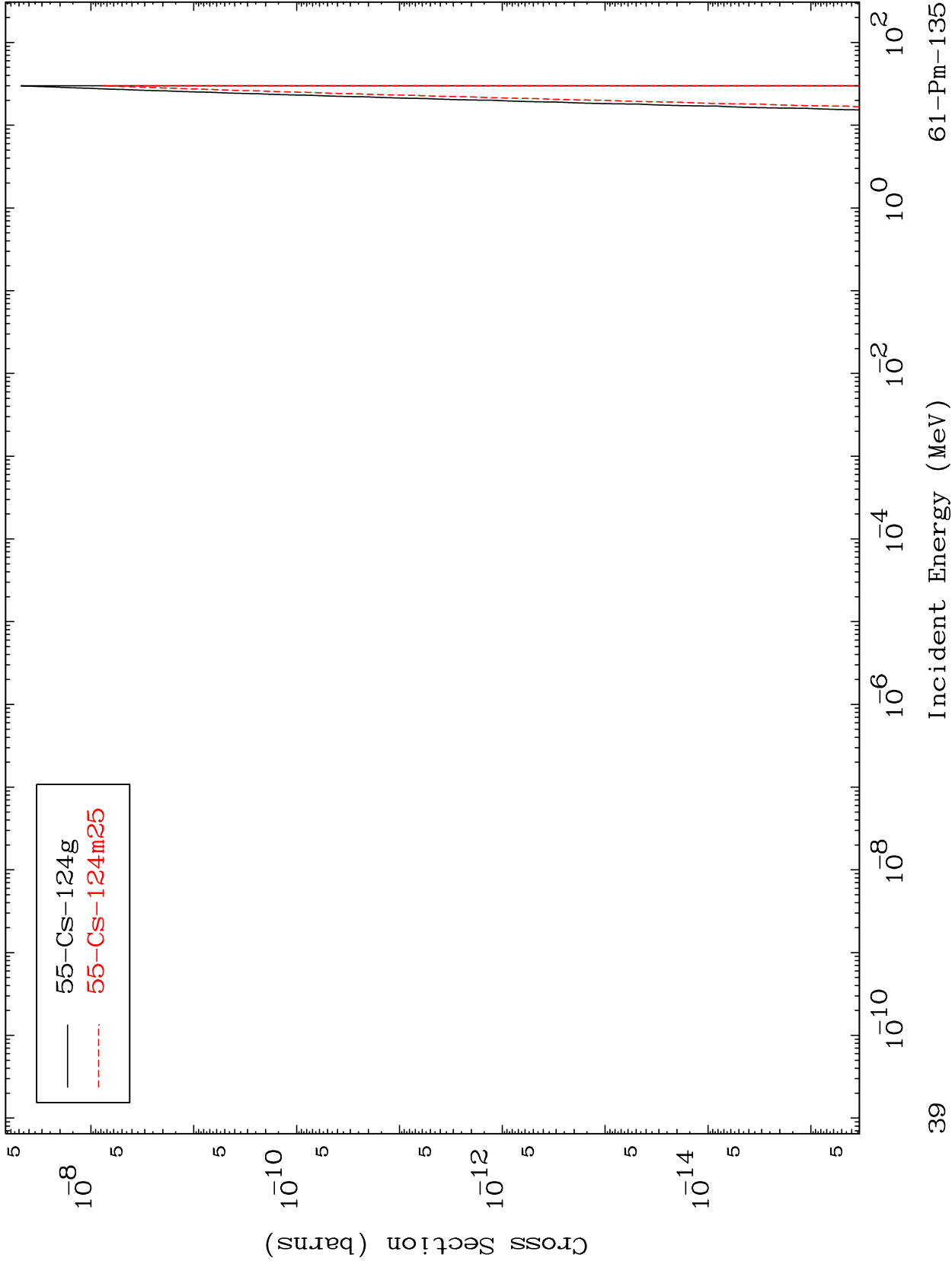
61-Pm-135

MAT 6113

(n, 3α)

61-Pm-135

Radionuclide Production Cross Section

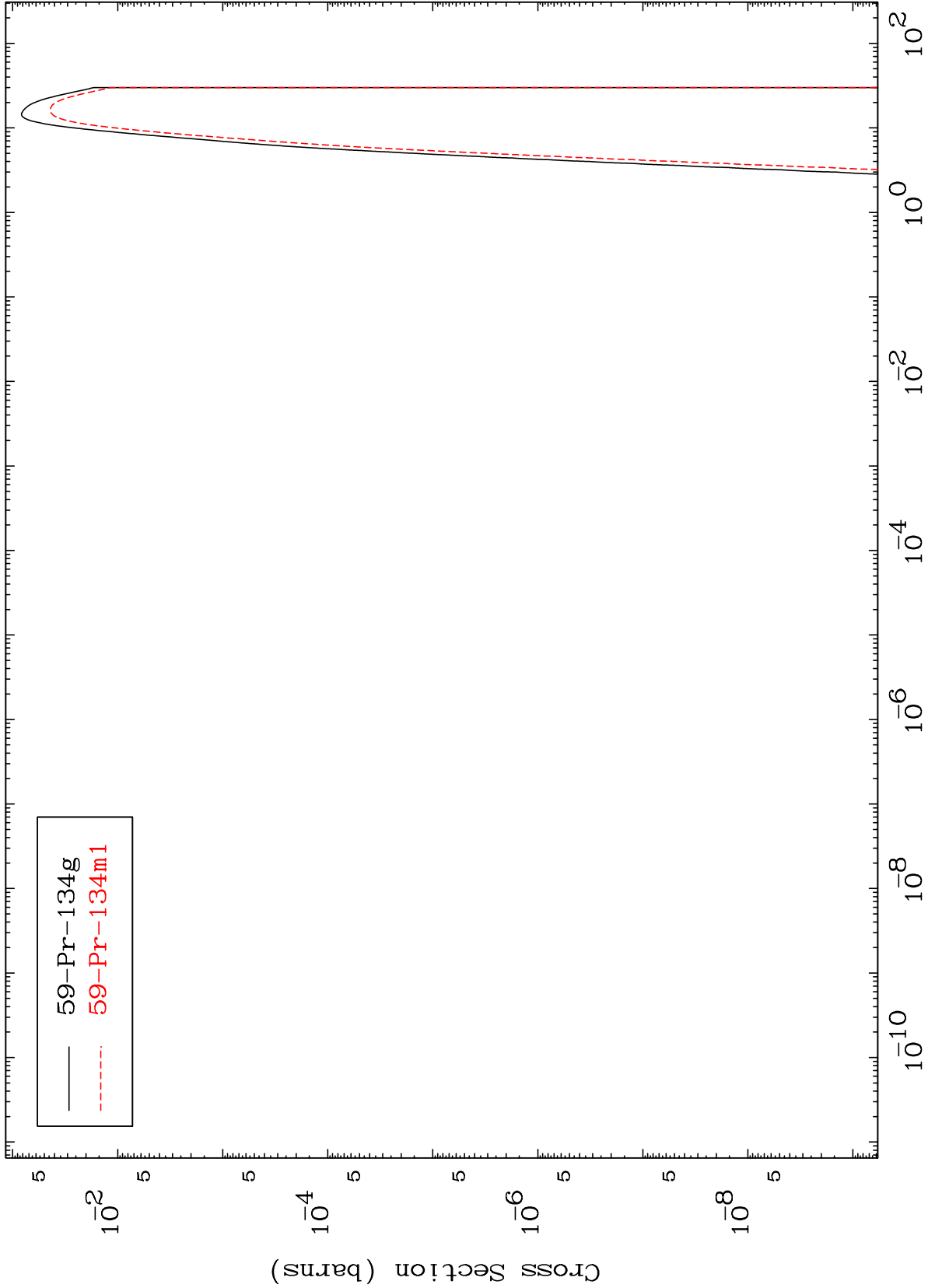


MAT 6113

(n,2p)

61-Pm-135

Radionuclide Production Cross Section



40

Incident Energy (MeV)

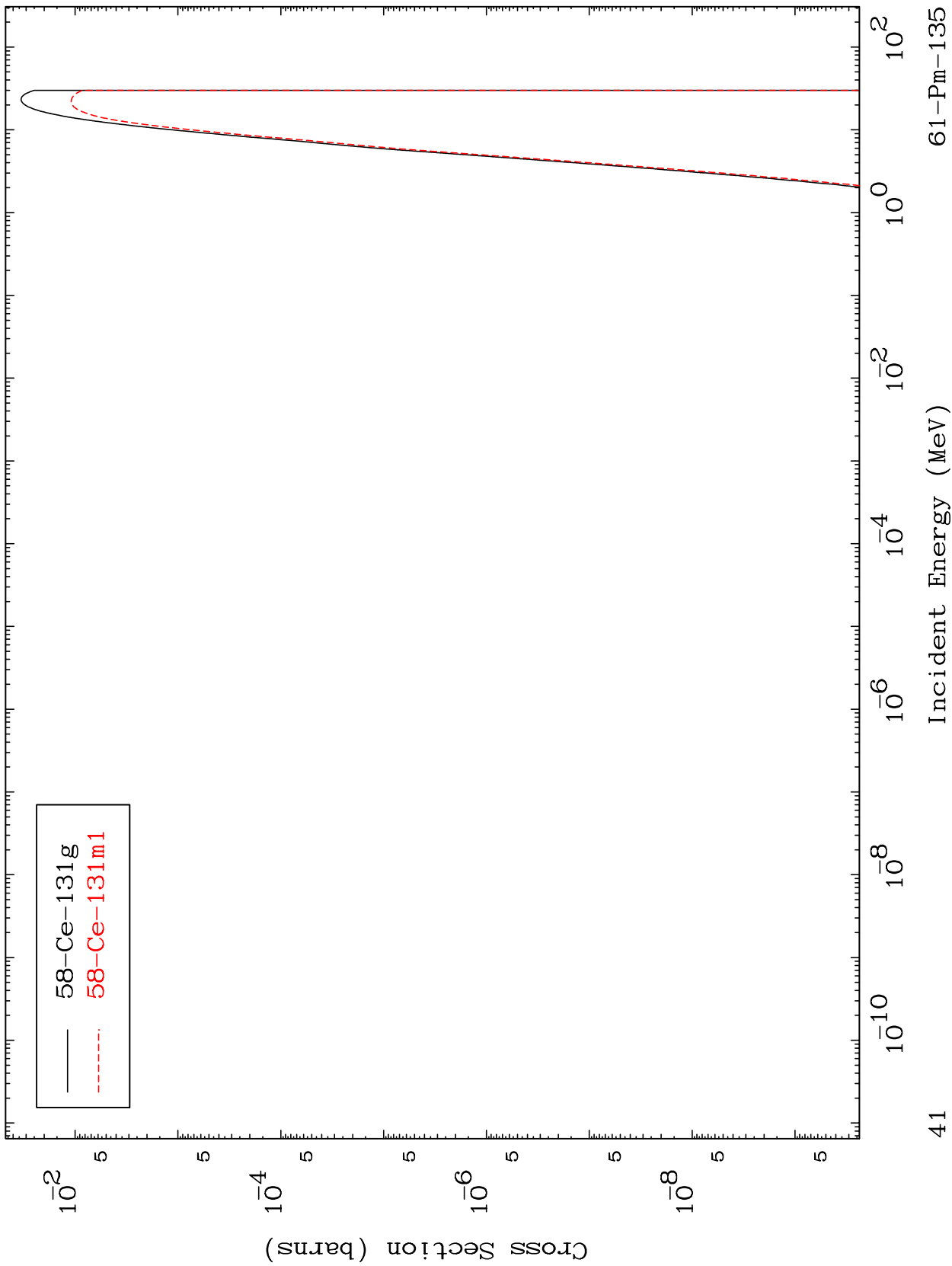
61-Pm-135

MAT 6113

(n,p) α

61-Pm-135

Radionuclide Production Cross Section



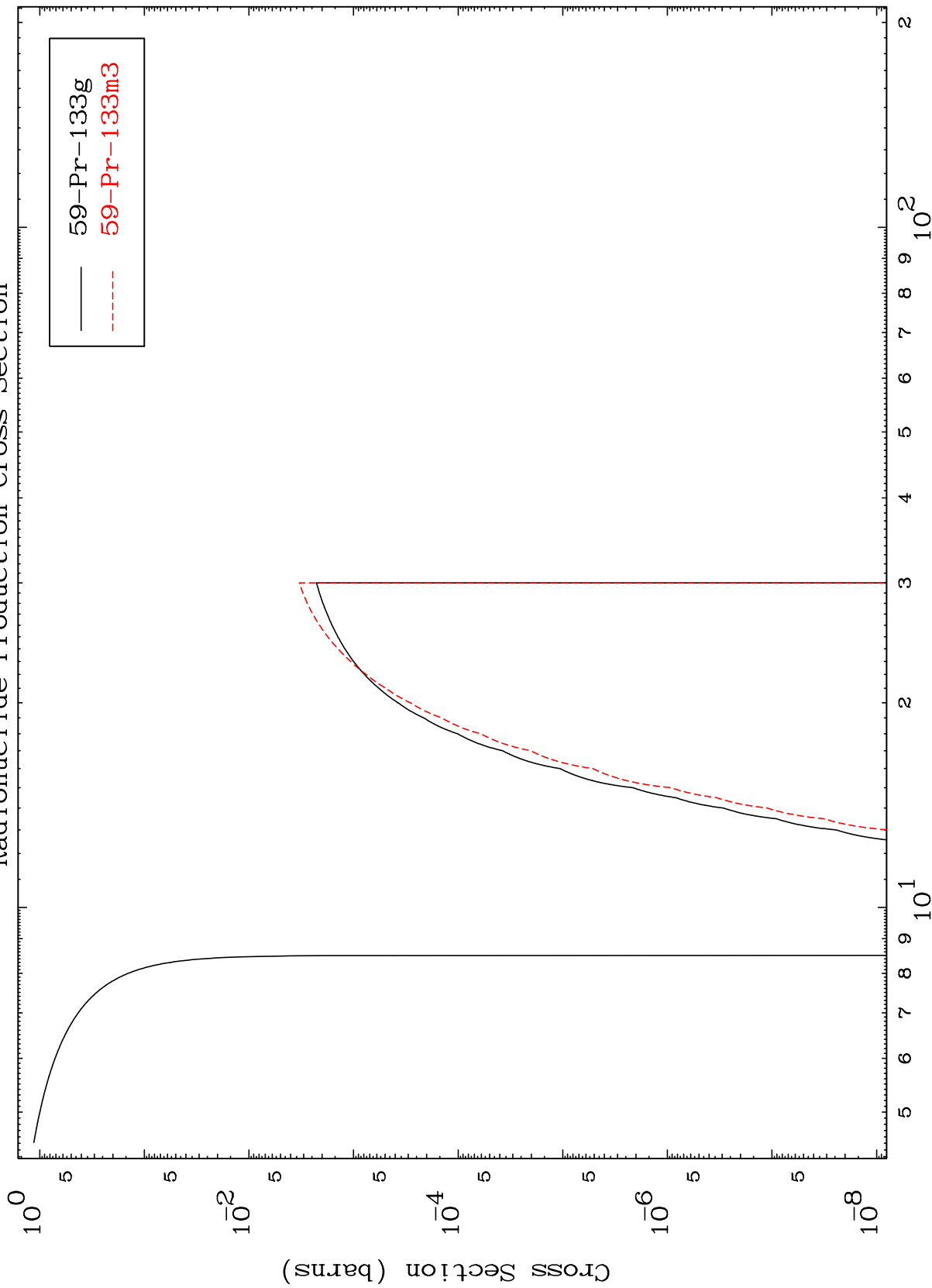
58-Ce-131g
58-Ce-131m1

MAT 6113

(n,p) d

61-Pm-135

Radionuclide Production Cross Section



42

Incident Energy (MeV)

61-Pm-135