

Program EVALPLOT
(Version 2015-2)

by

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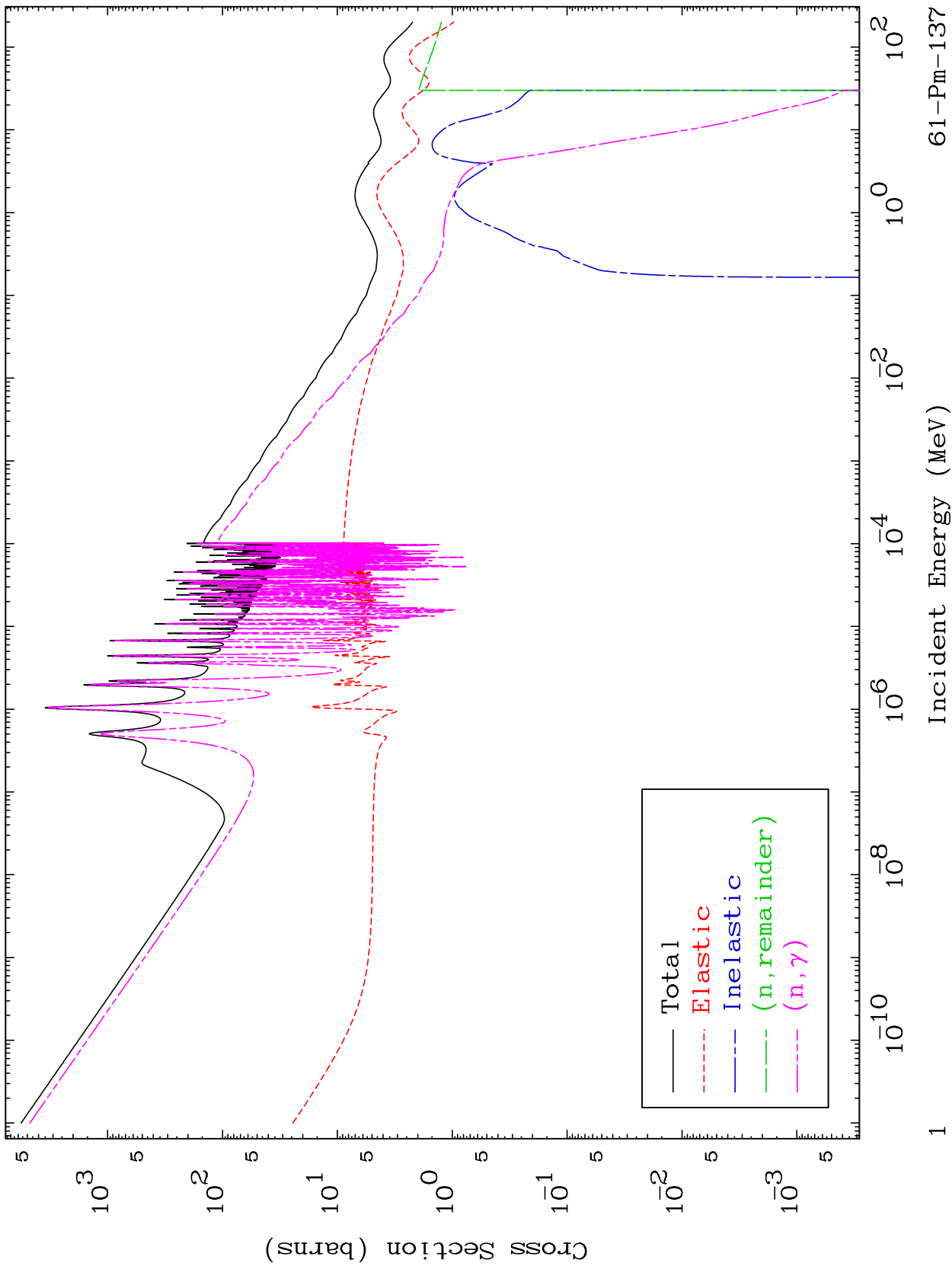
Press Mouse Button to Start

MAT 6119

Major

293 Kelvin Cross Sections

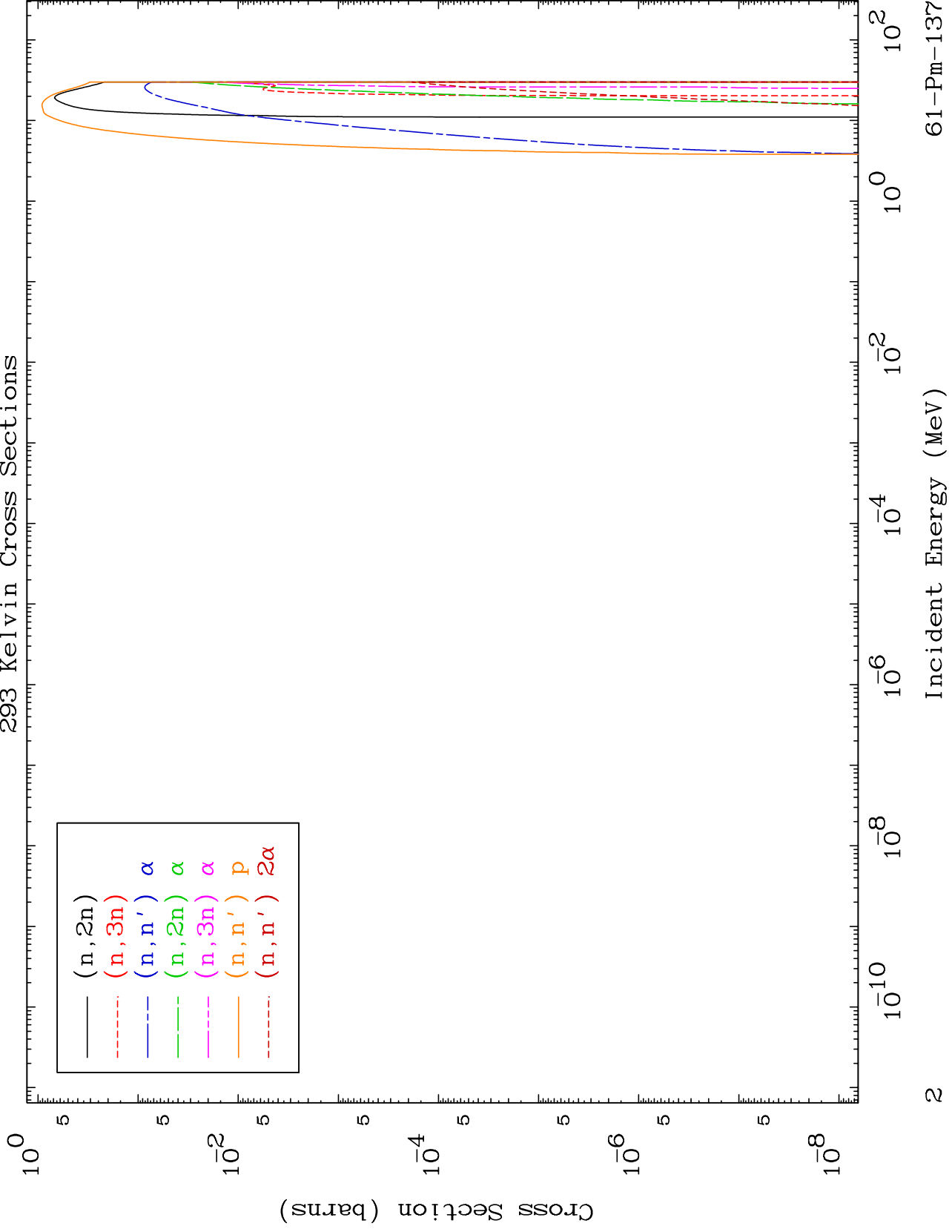
61-Pm-137

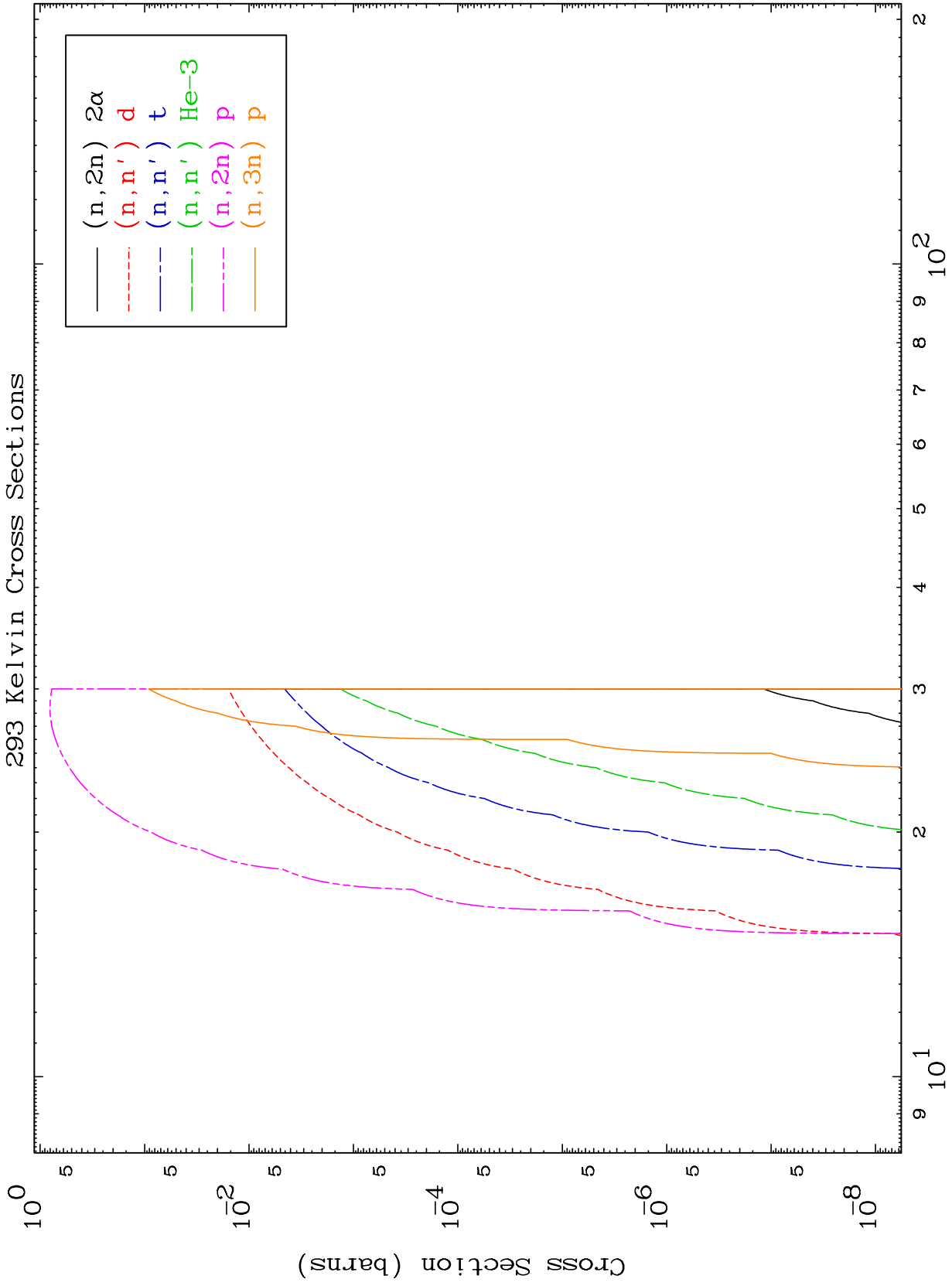


MAT 6119

Neutron Production
293 Kelvin Cross Sections

61-Pm-137

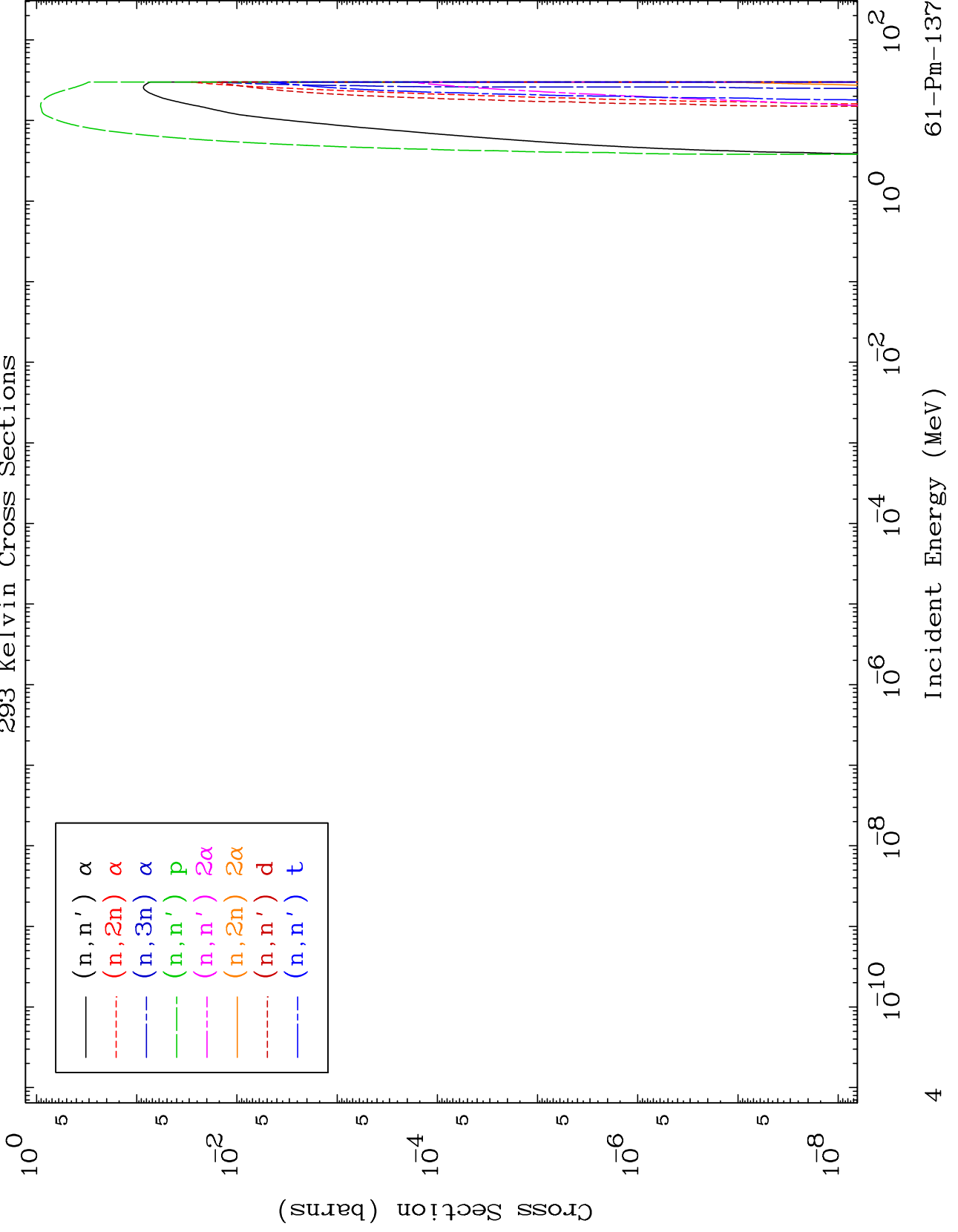




MAT 6119

Charged Particle
293 Kelvin Cross Sections

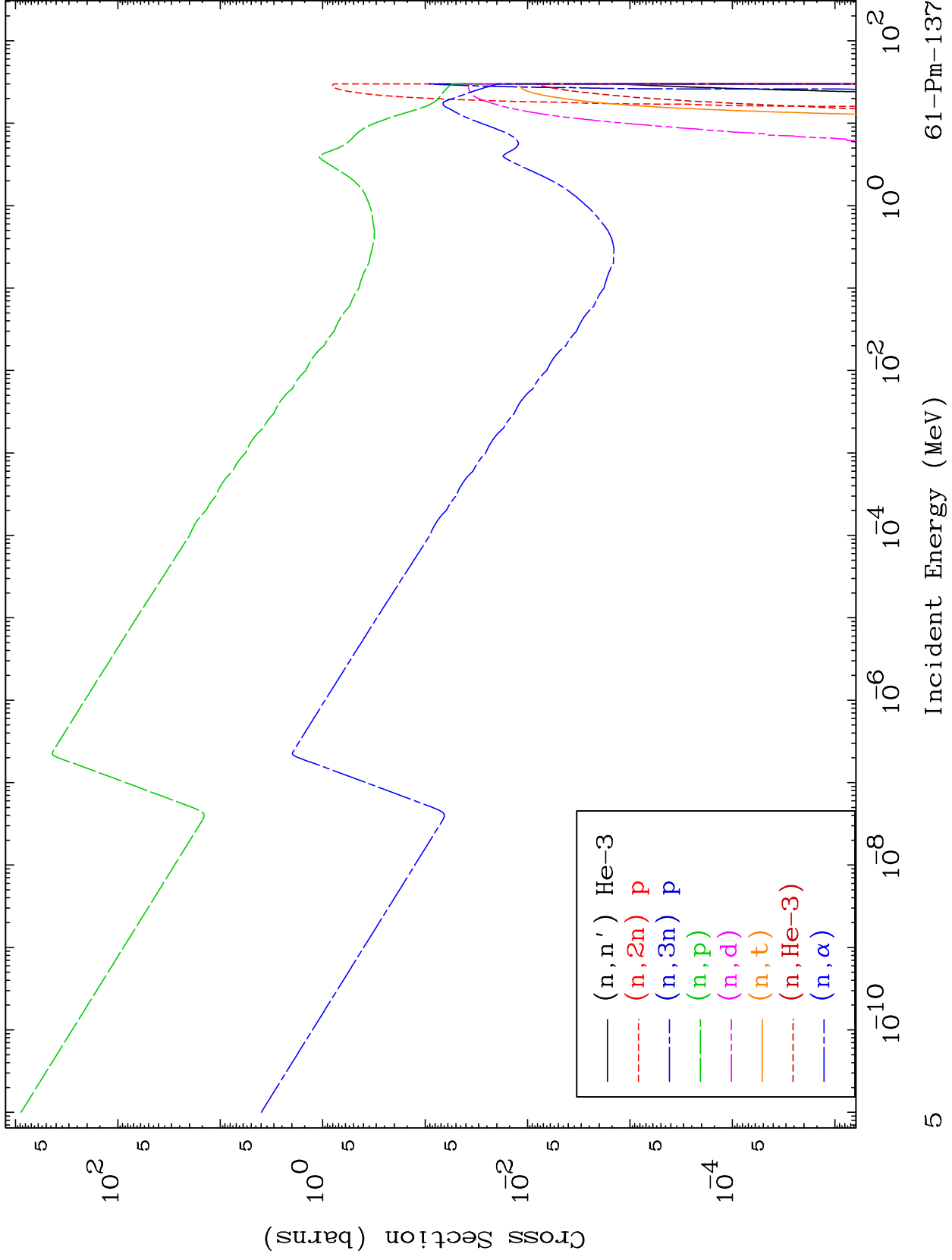
61-Pm-137



MAT 6119

Charged Particle
293 Kelvin Cross Sections

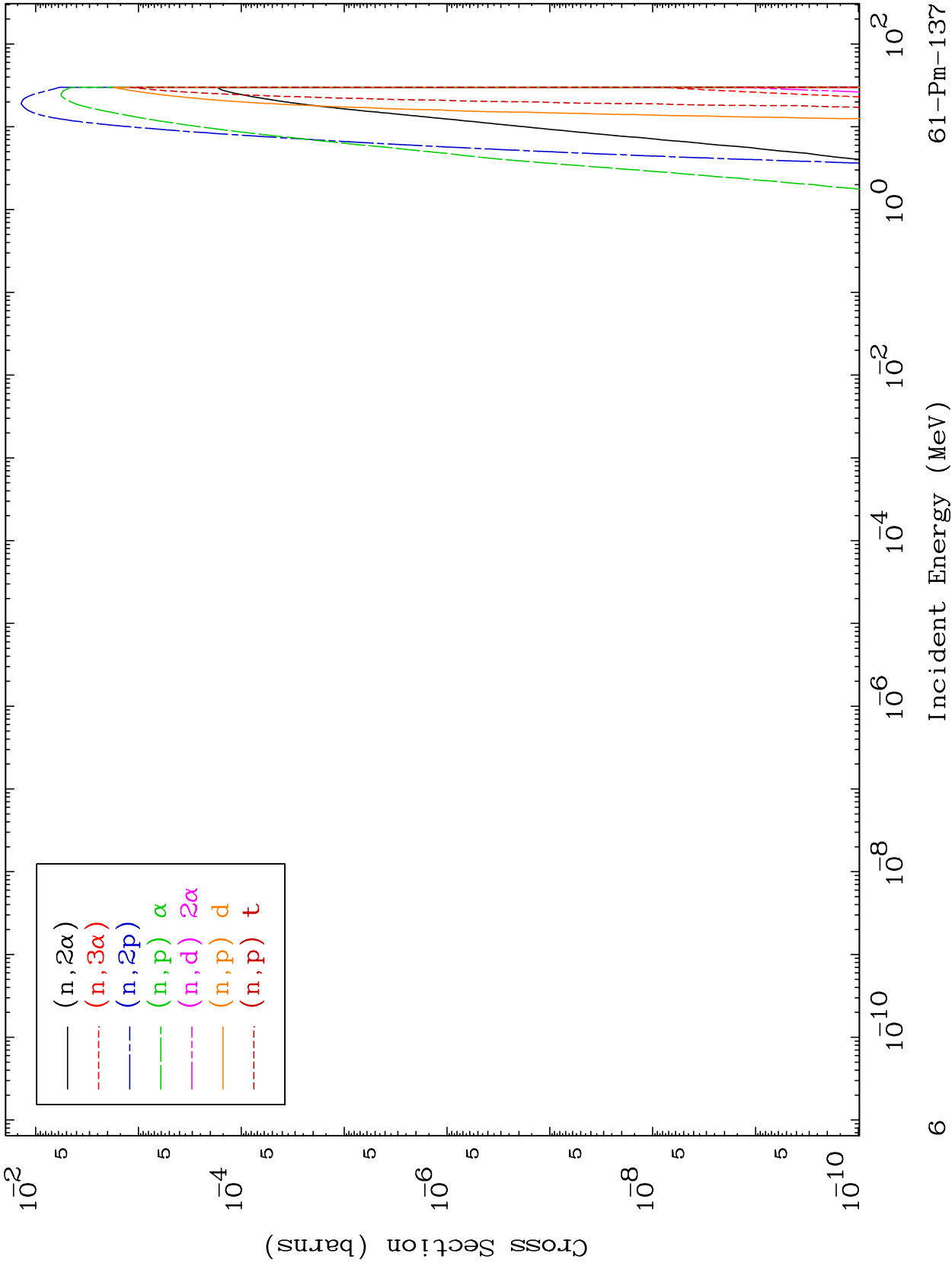
61-Pm-137



MAT 6119

Charged Particle
293 Kelvin Cross Sections

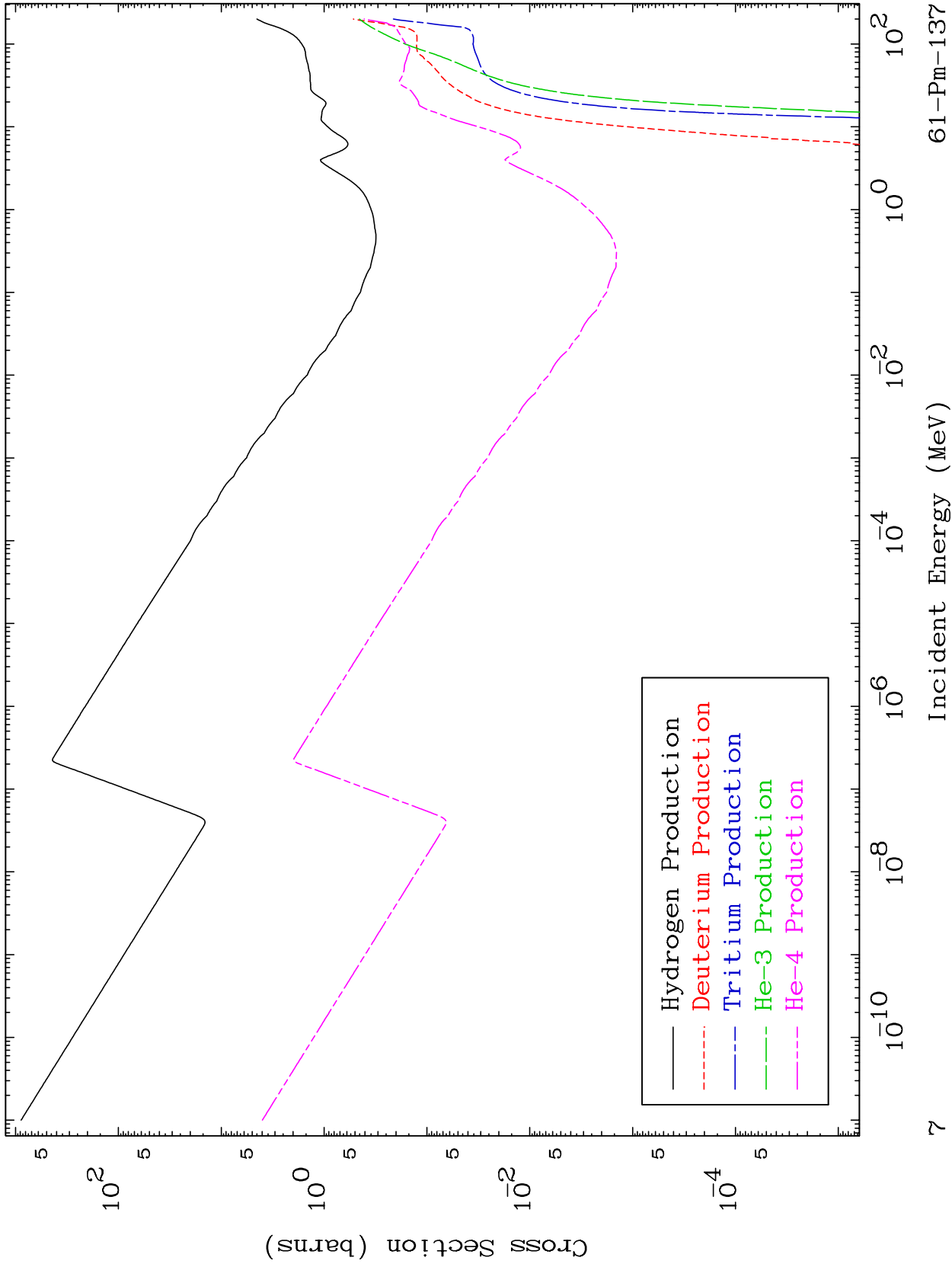
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MAT 6119

Particle Production
293 Kelvin Cross Sections

61-Pm-137

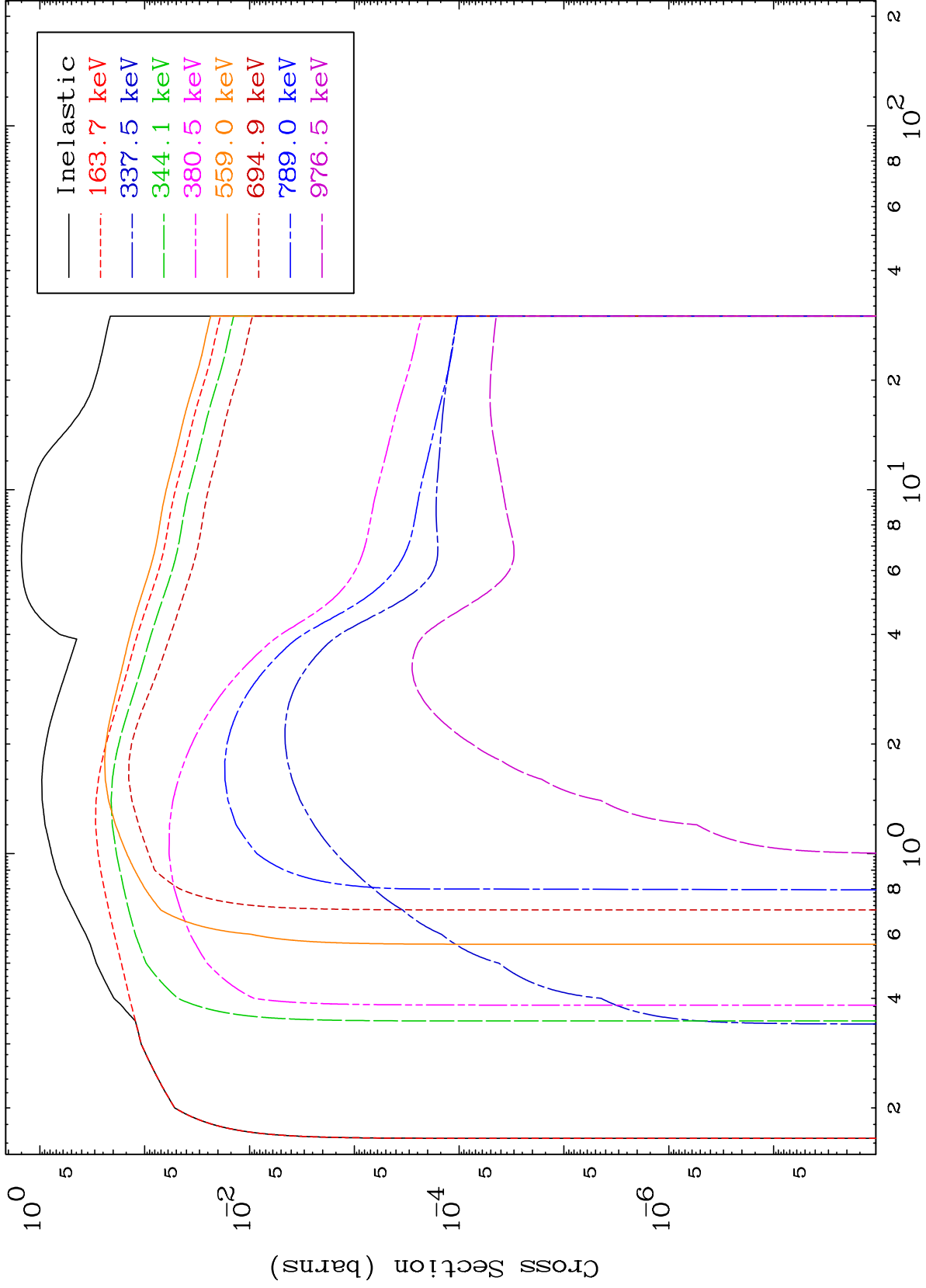


MAT 6119

(n,n') Level

61-Pm-137

293 Kelvin Cross Sections



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Incident Energy (MeV)

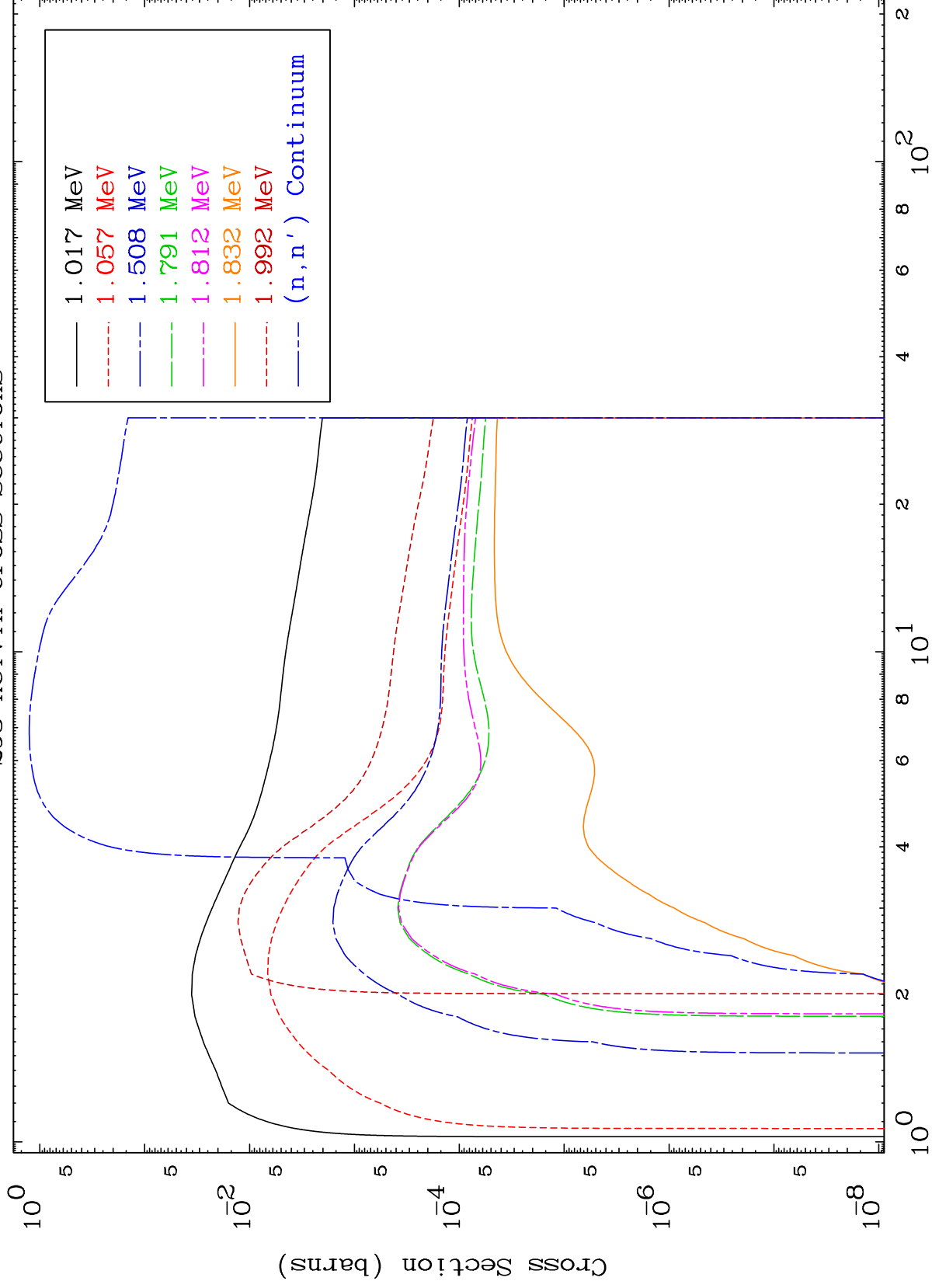
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MAT 6119

(n,n') Level

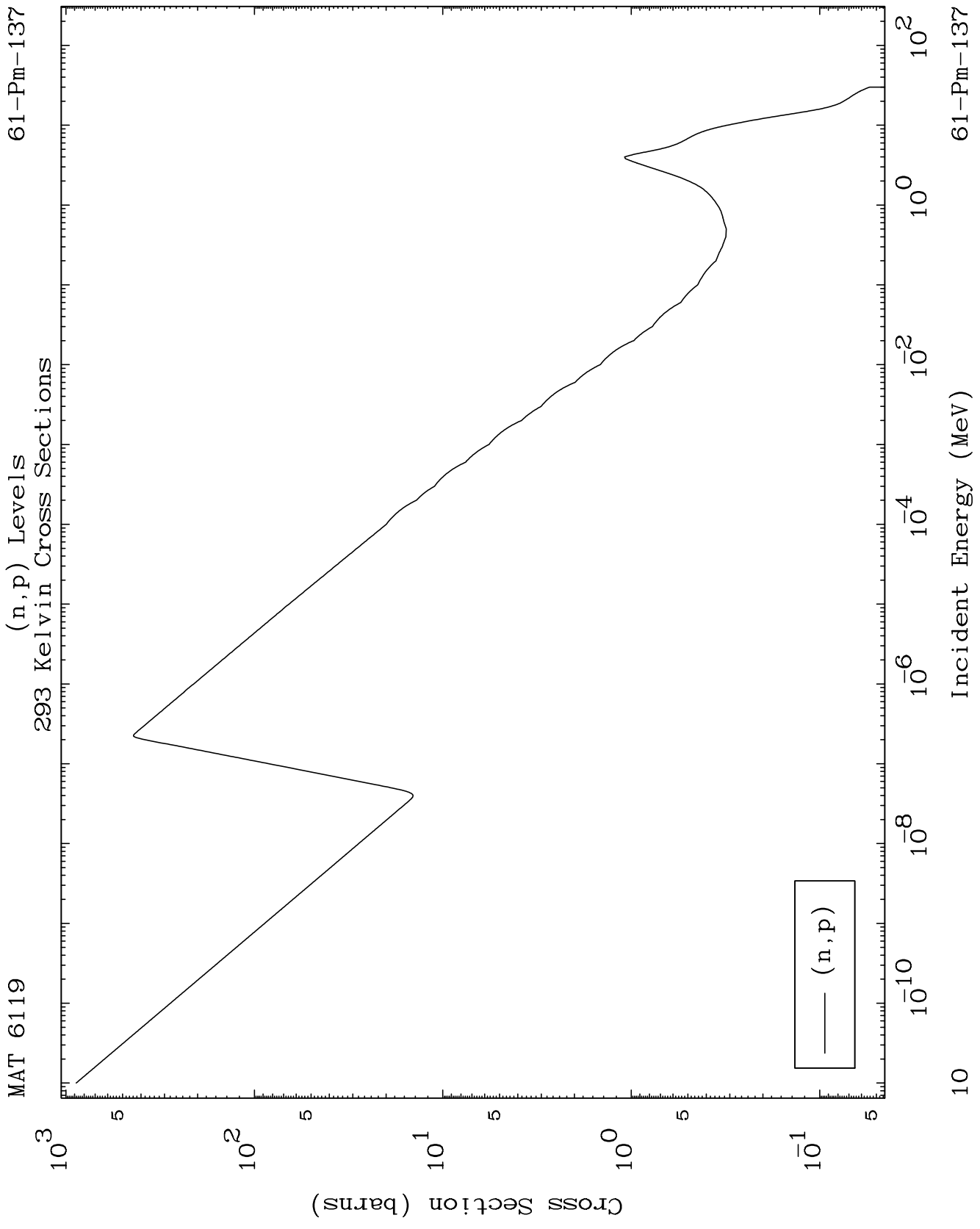
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293 Kelvin Cross Sections



Incident Energy (MeV)

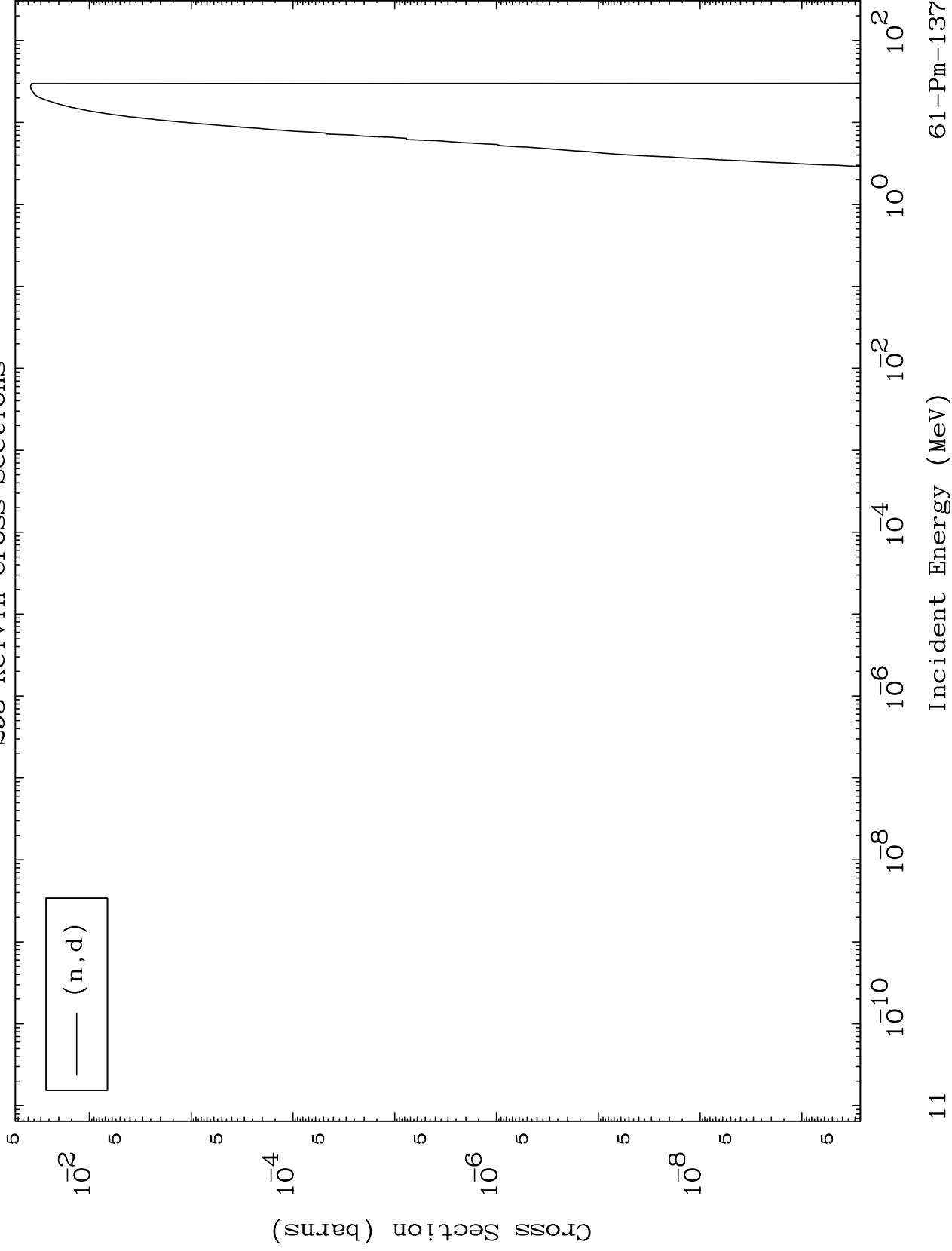
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MAT 6119

(n,d) Levels
293 Kelvin Cross Sections

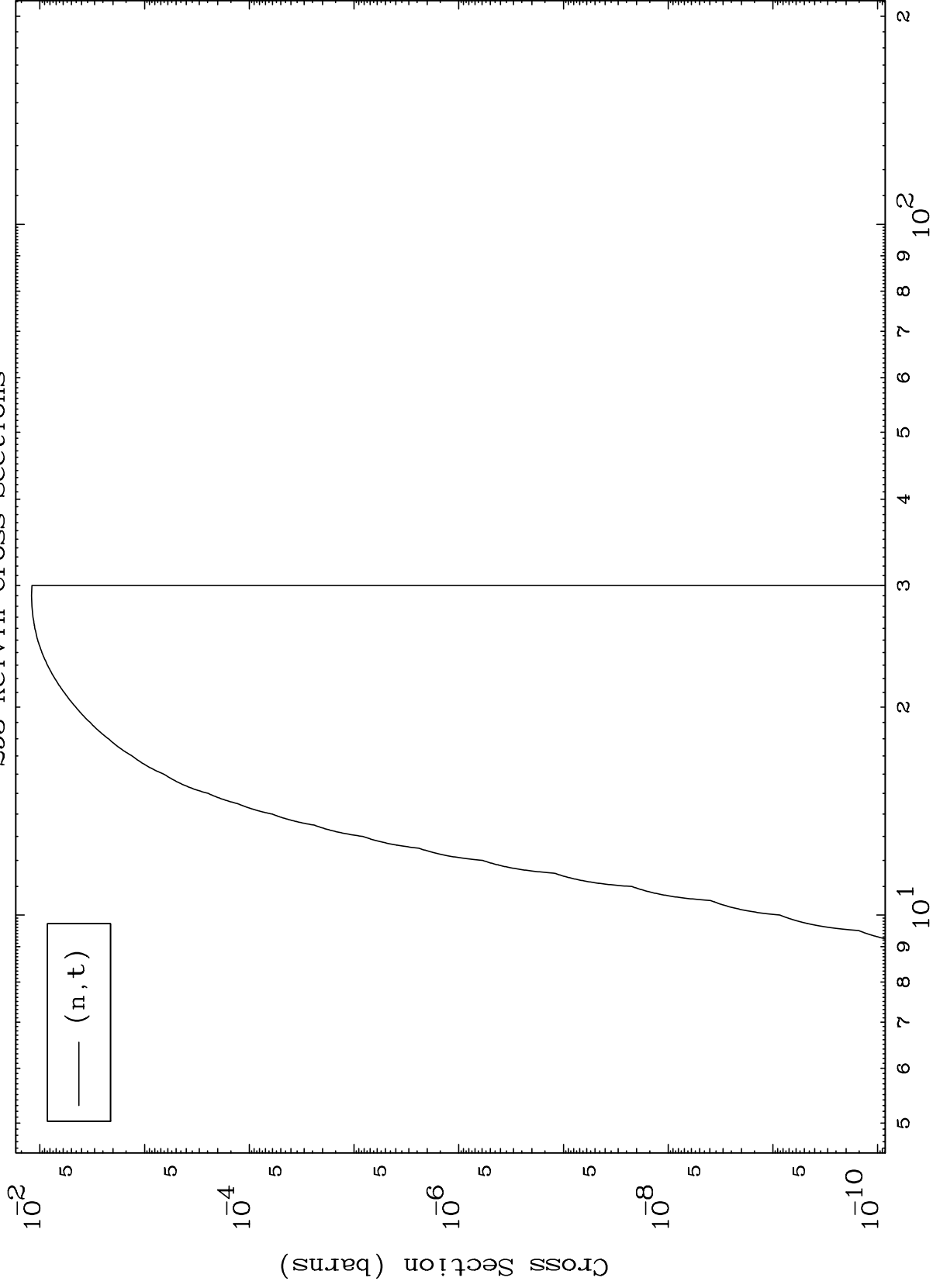
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MAT 6119

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-137



12

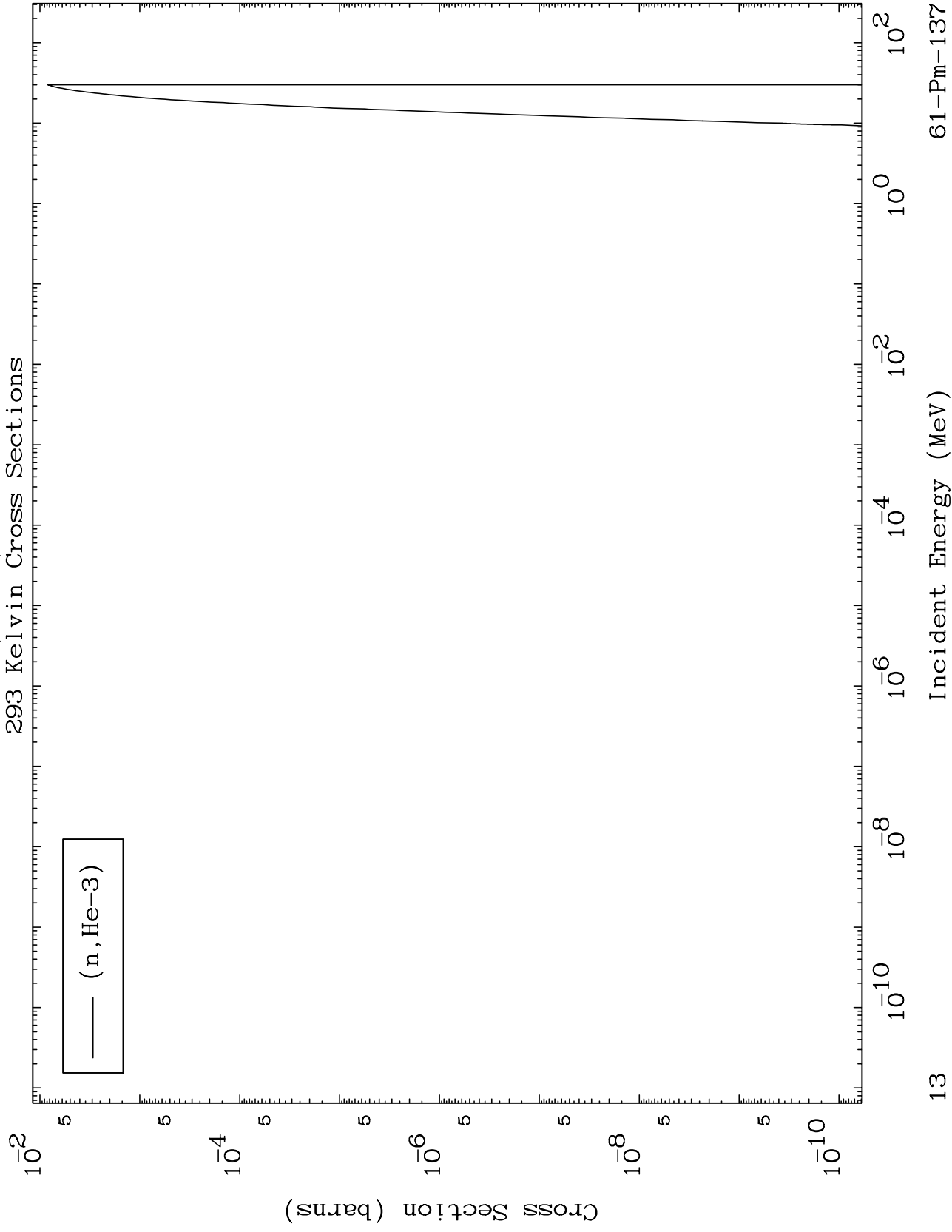
Incident Energy (MeV)

61-Pm-137

MAT 6119

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-137



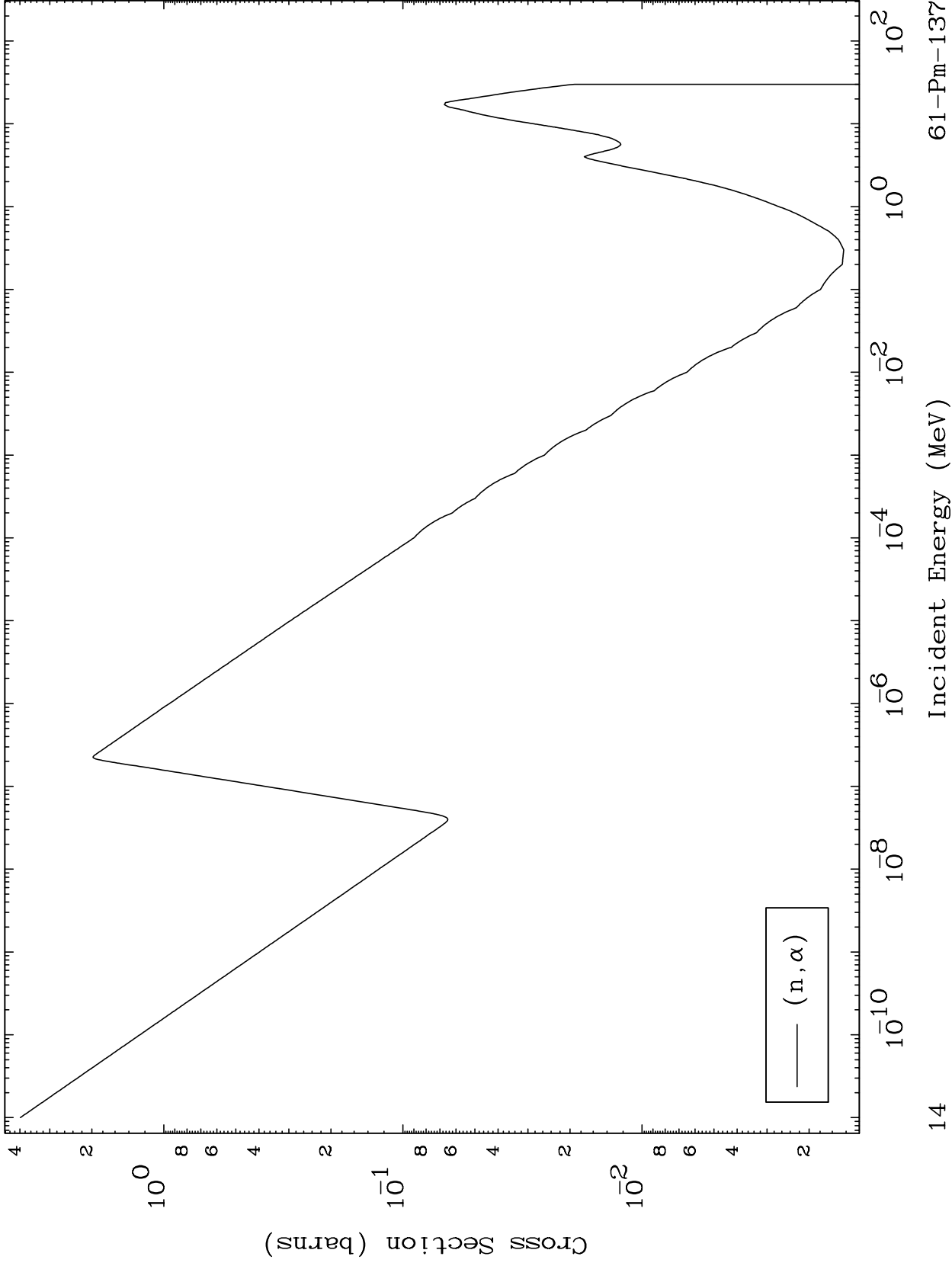
13

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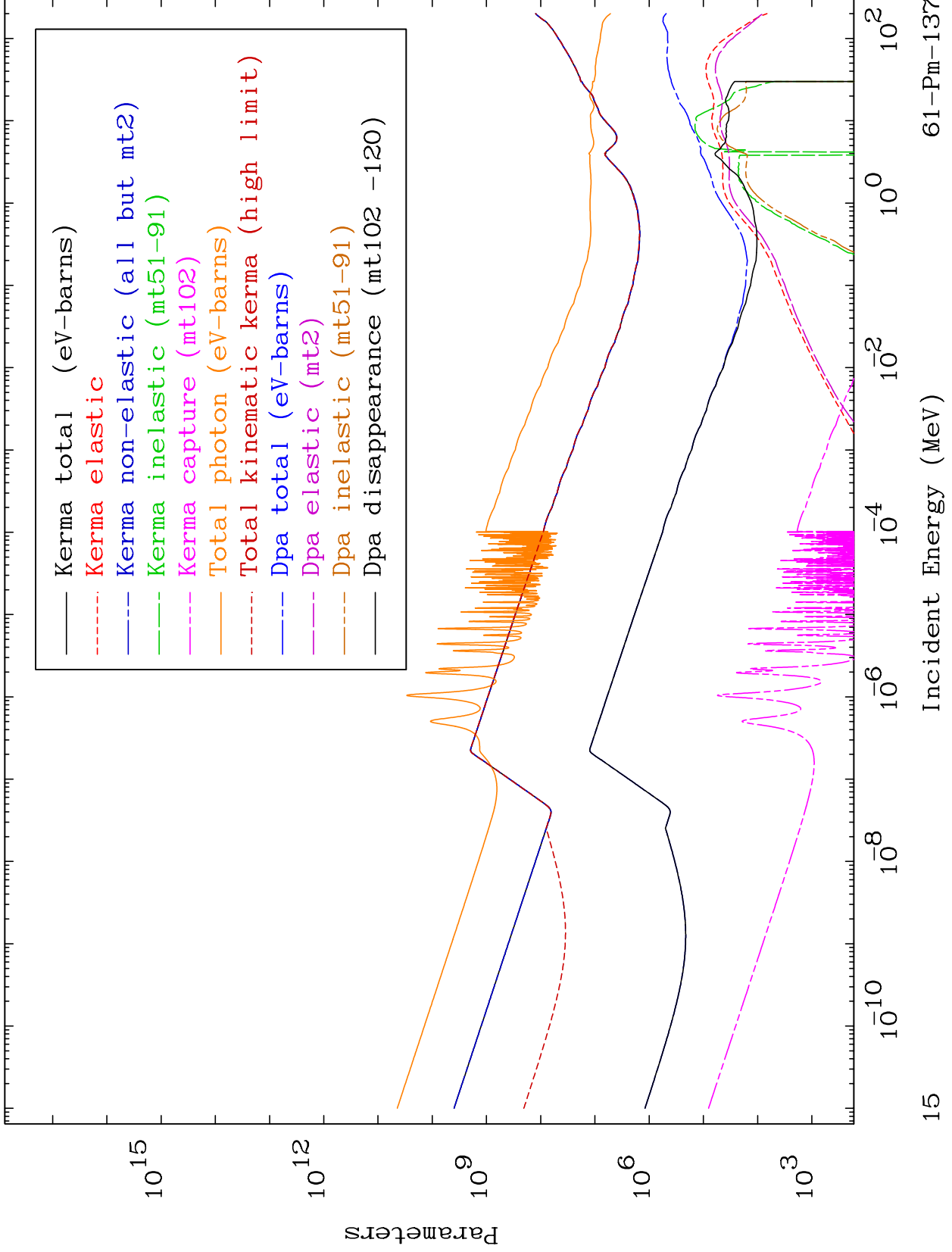
MAT 6119

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-137



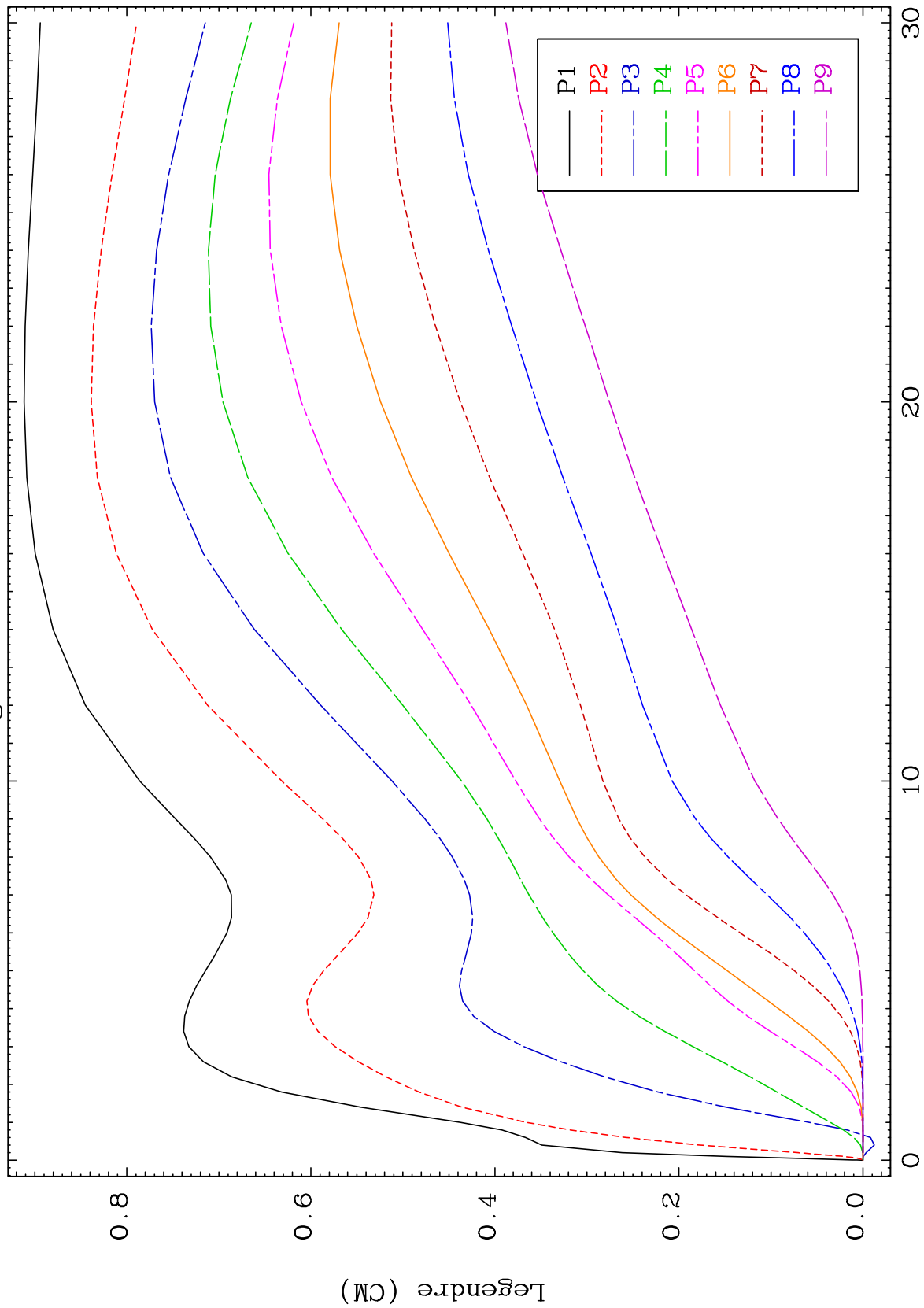
61-Pm-137



MAT 6119

Elastic Legendre Coefficients

61-Pm-137



16

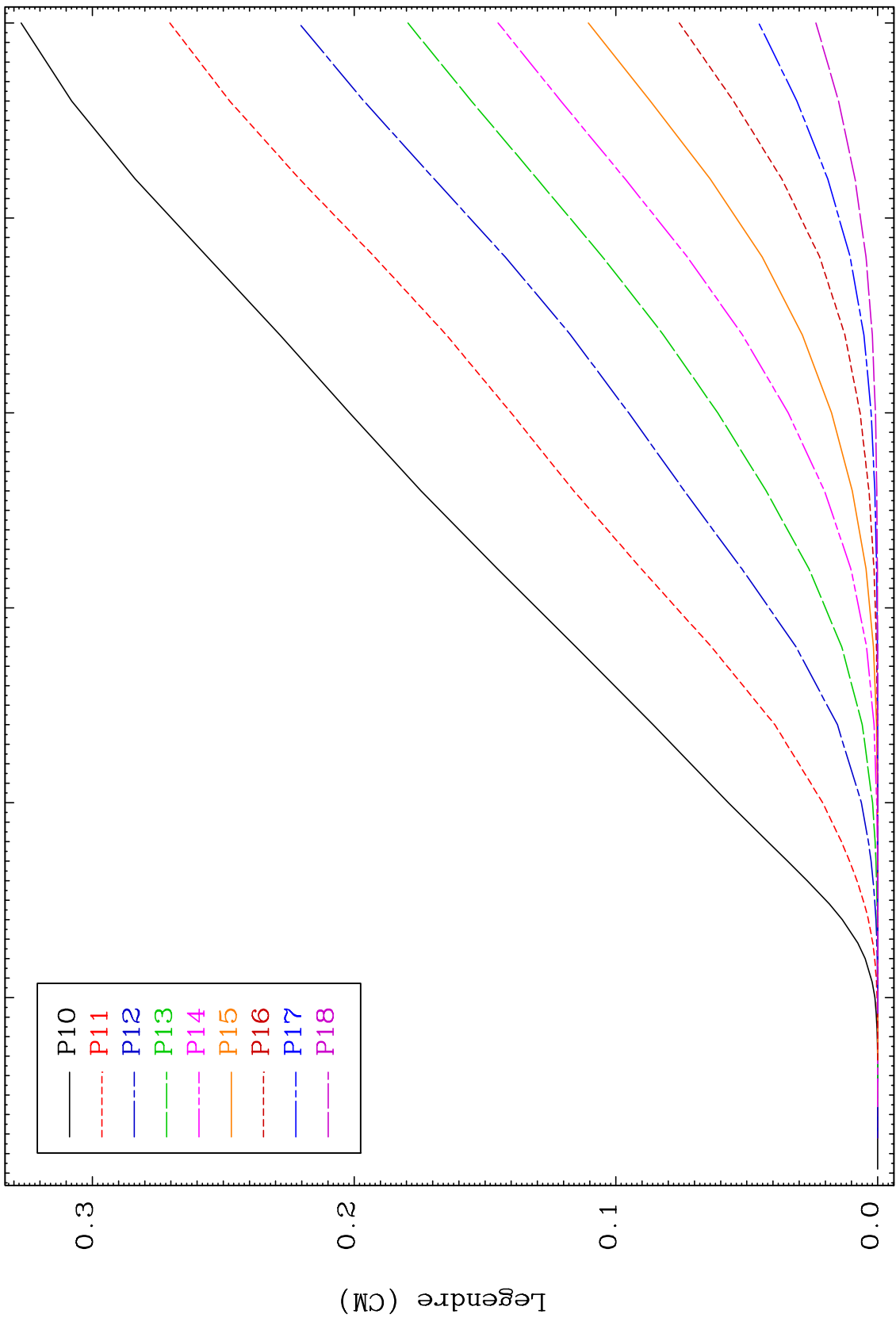
Incident Energy (MeV)

61-Pm-137

MAT 6119

Elastic Legendre Coefficients

61-Pm-137



17

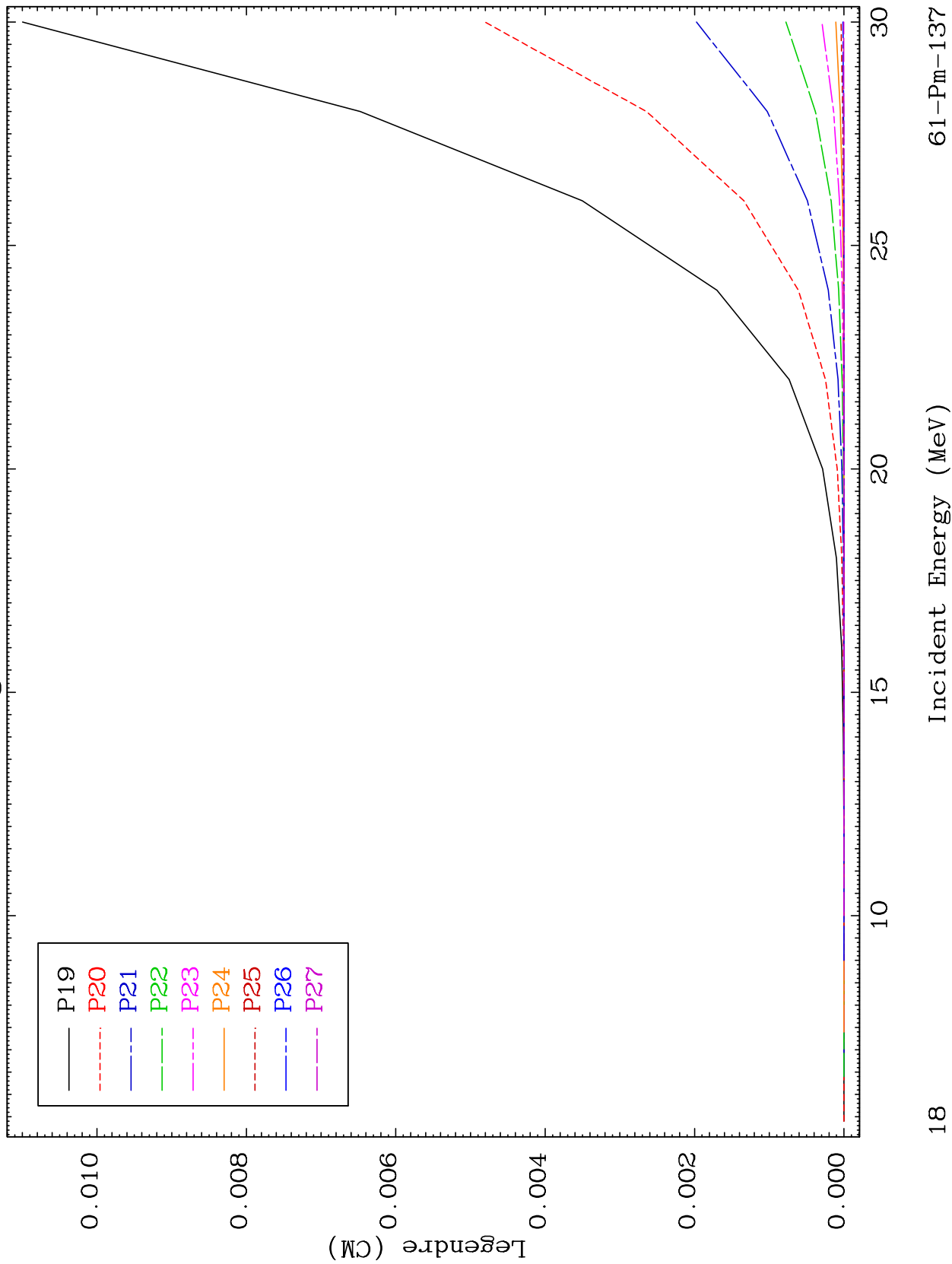
Incident Energy (MeV)

61-Pm-137

MAT 6119

Elastic Legendre Coefficients

61-Pm-137



18

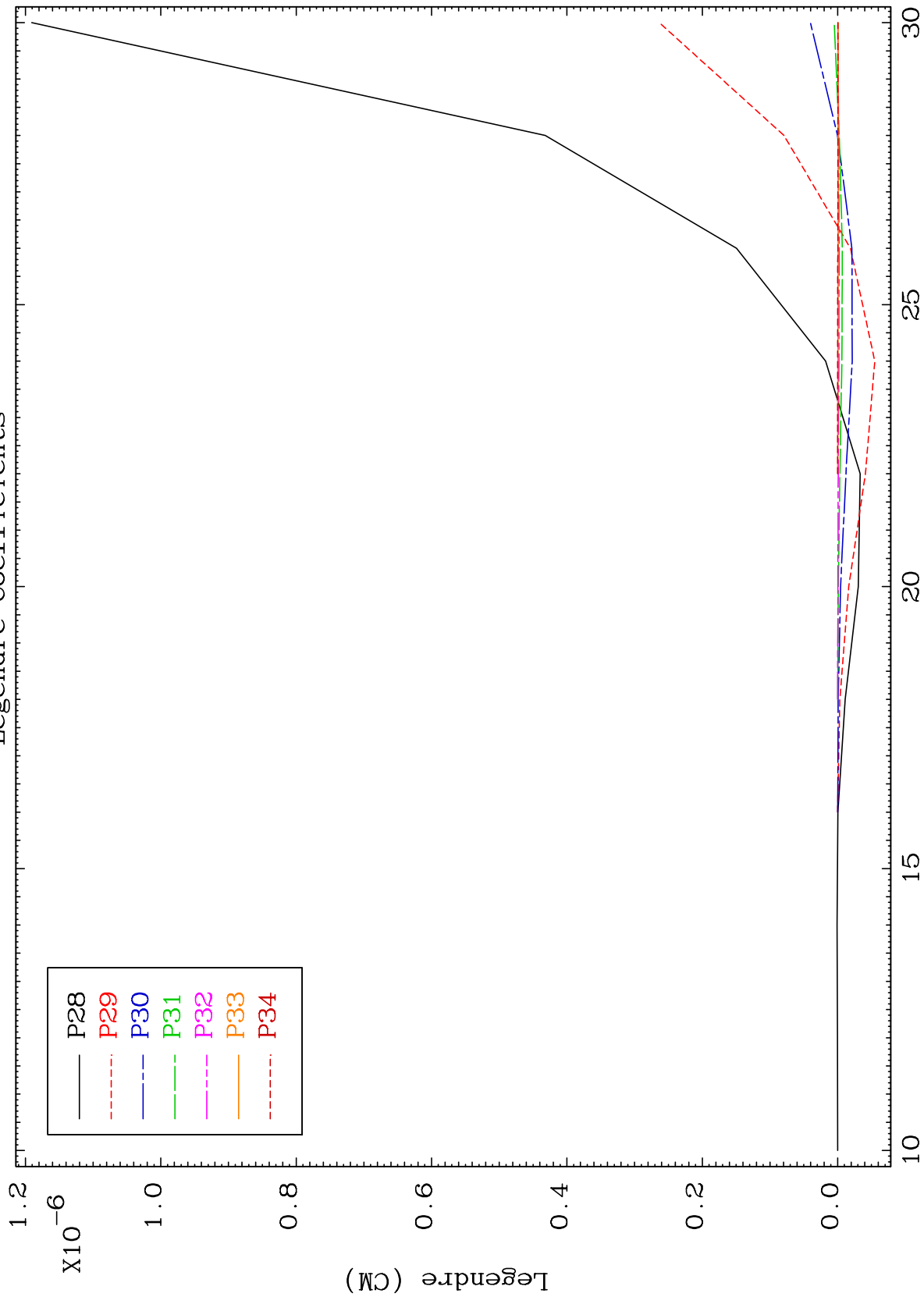
Incident Energy (MeV)

61-Pm-137

MAT 6119

Elastic Legendre Coefficients

61-Pm-137



19

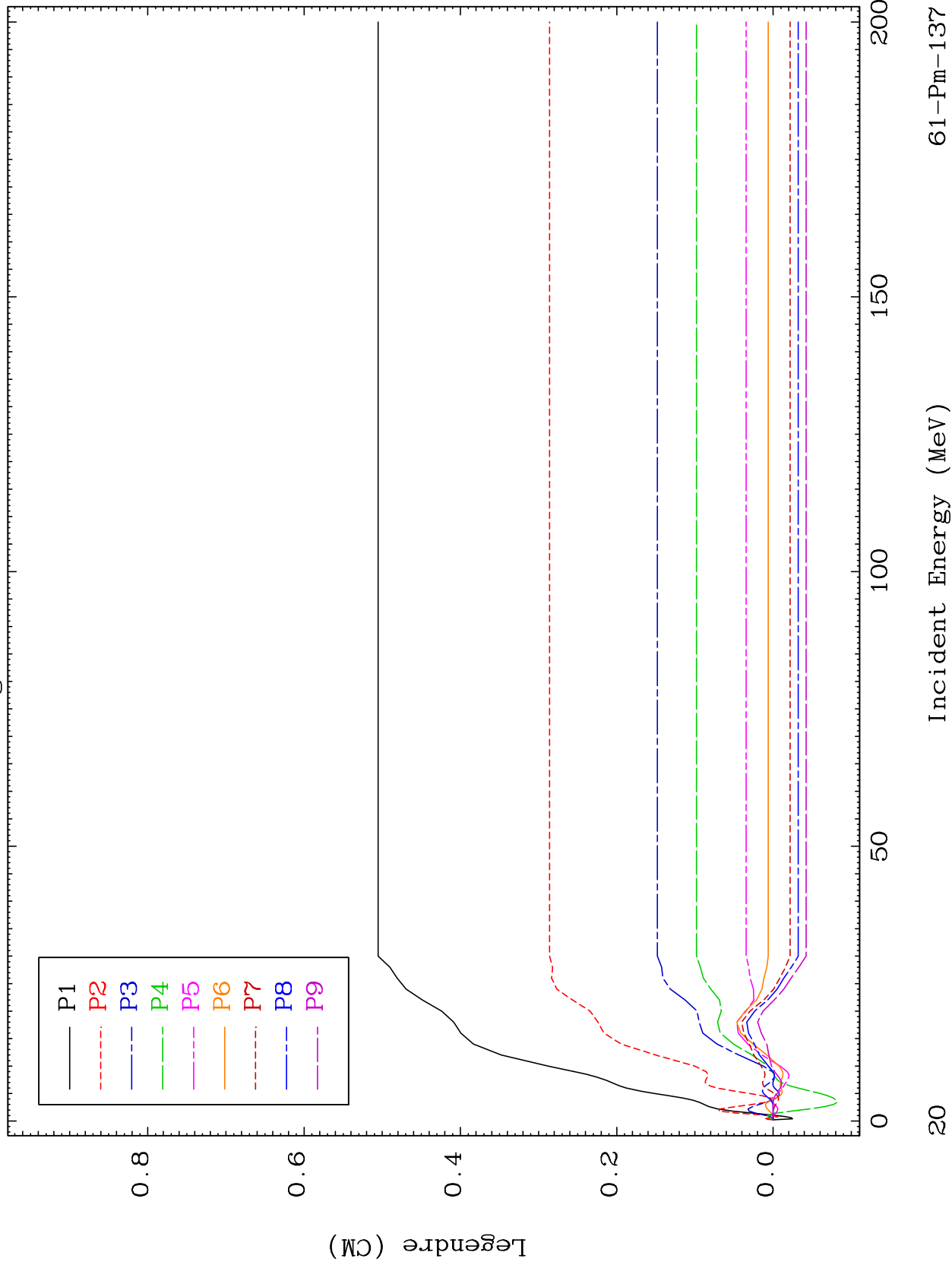
Incident Energy (MeV)

61-Pm-137

MAT 6119

163.7 keV (n,n') Level
Legendre Coefficients

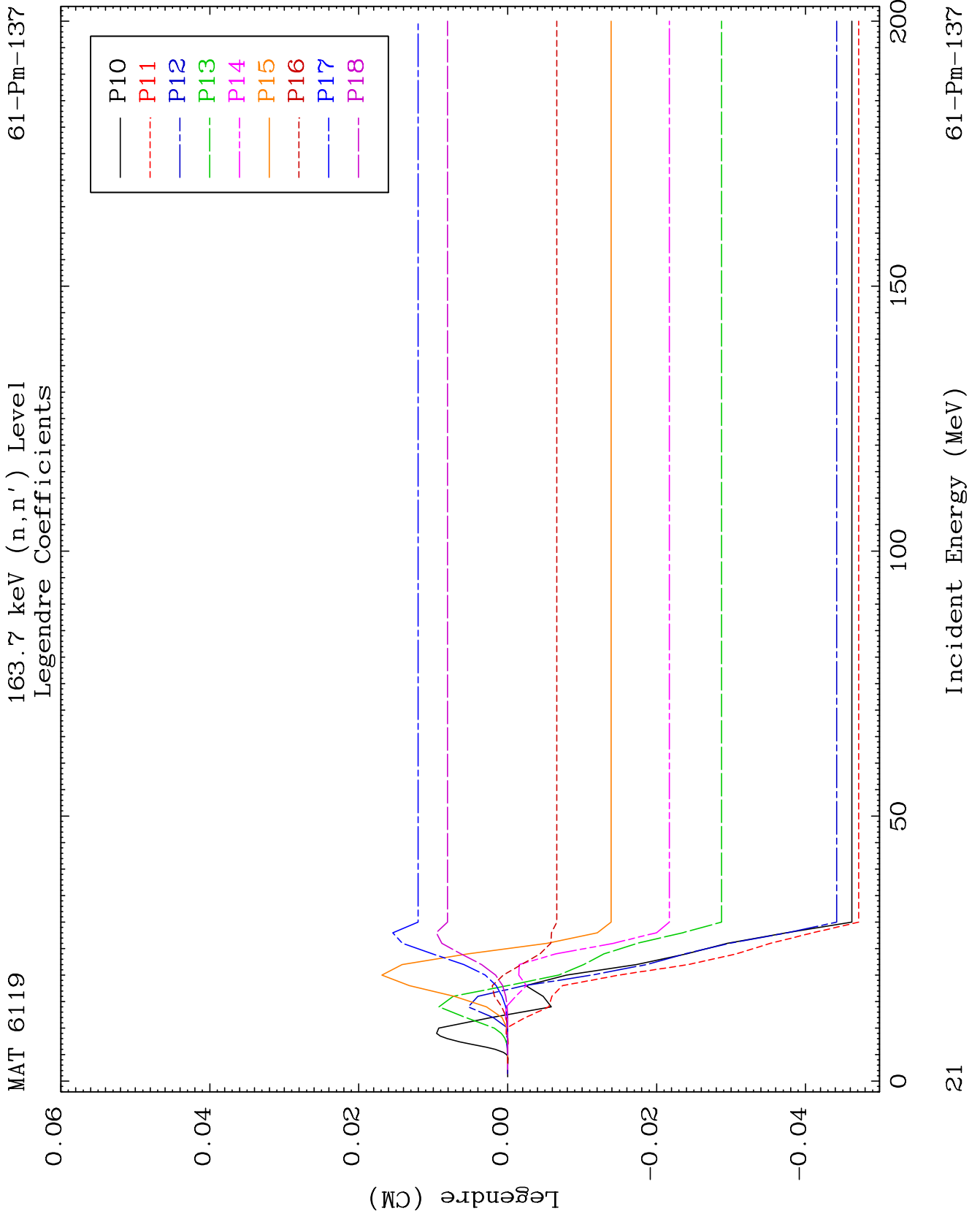
61-Pm-137



61-Pm-137

Incident Energy (MeV)

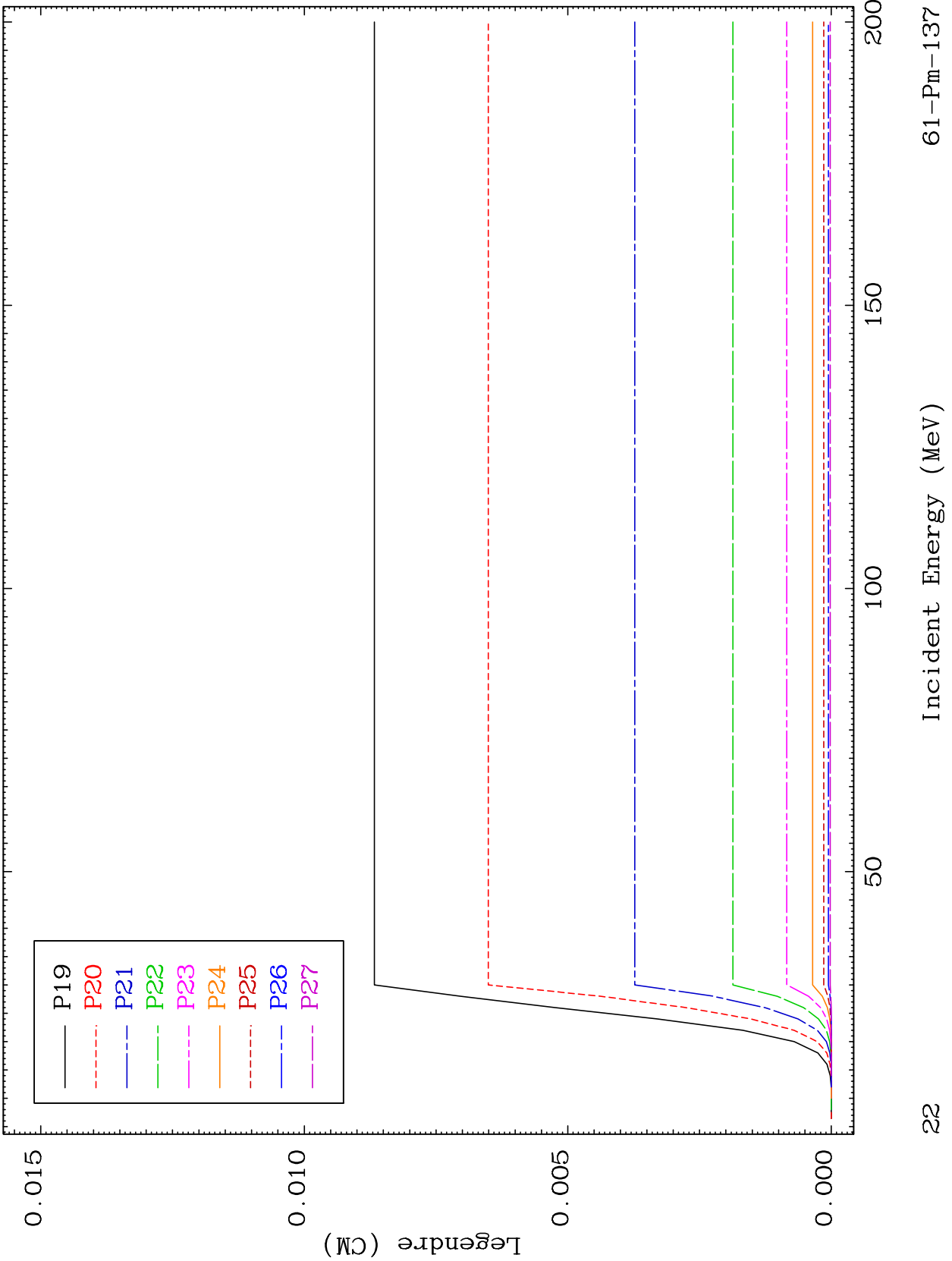
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MAT 6119

163.7 keV (n,n') Level
Legendre Coefficients

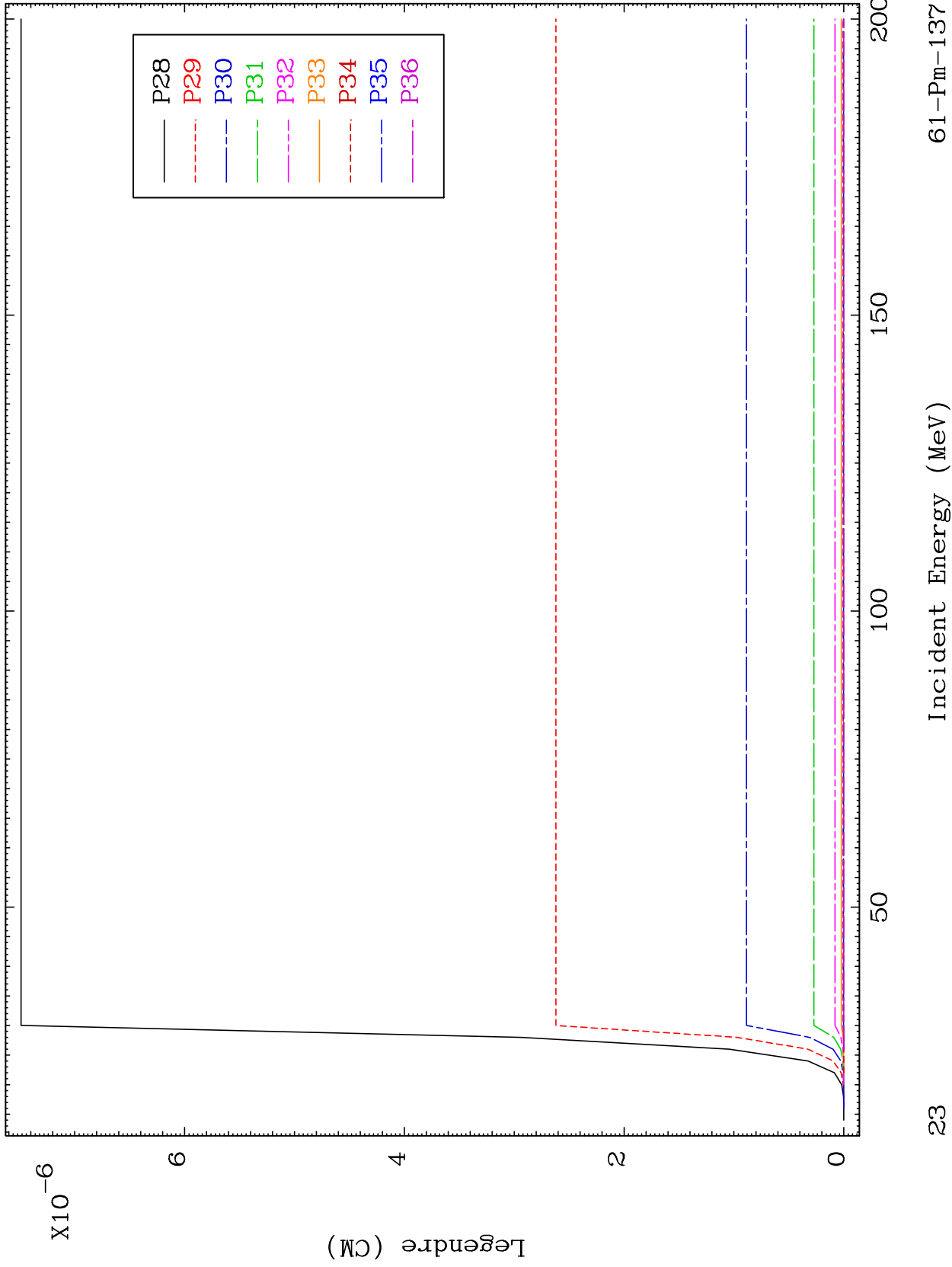
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MAT 6119

163.7 keV (n, n') Level
Legendre Coefficients

61-Pm-137



23

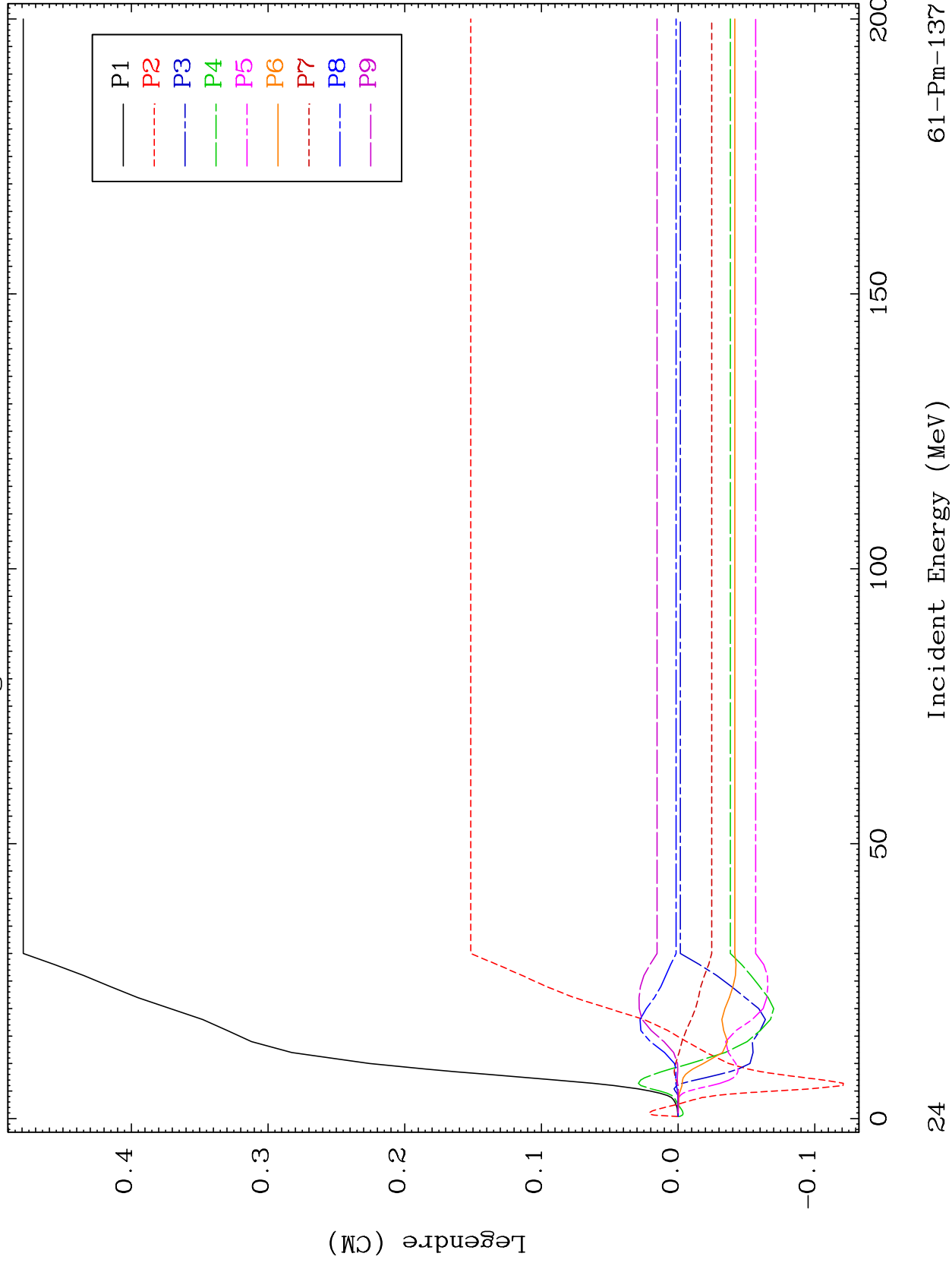
Incident Energy (MeV)

61-Pm-137

MAT 6119

337.5 keV (n,n') Level
Legendre Coefficients

61-Pm-137

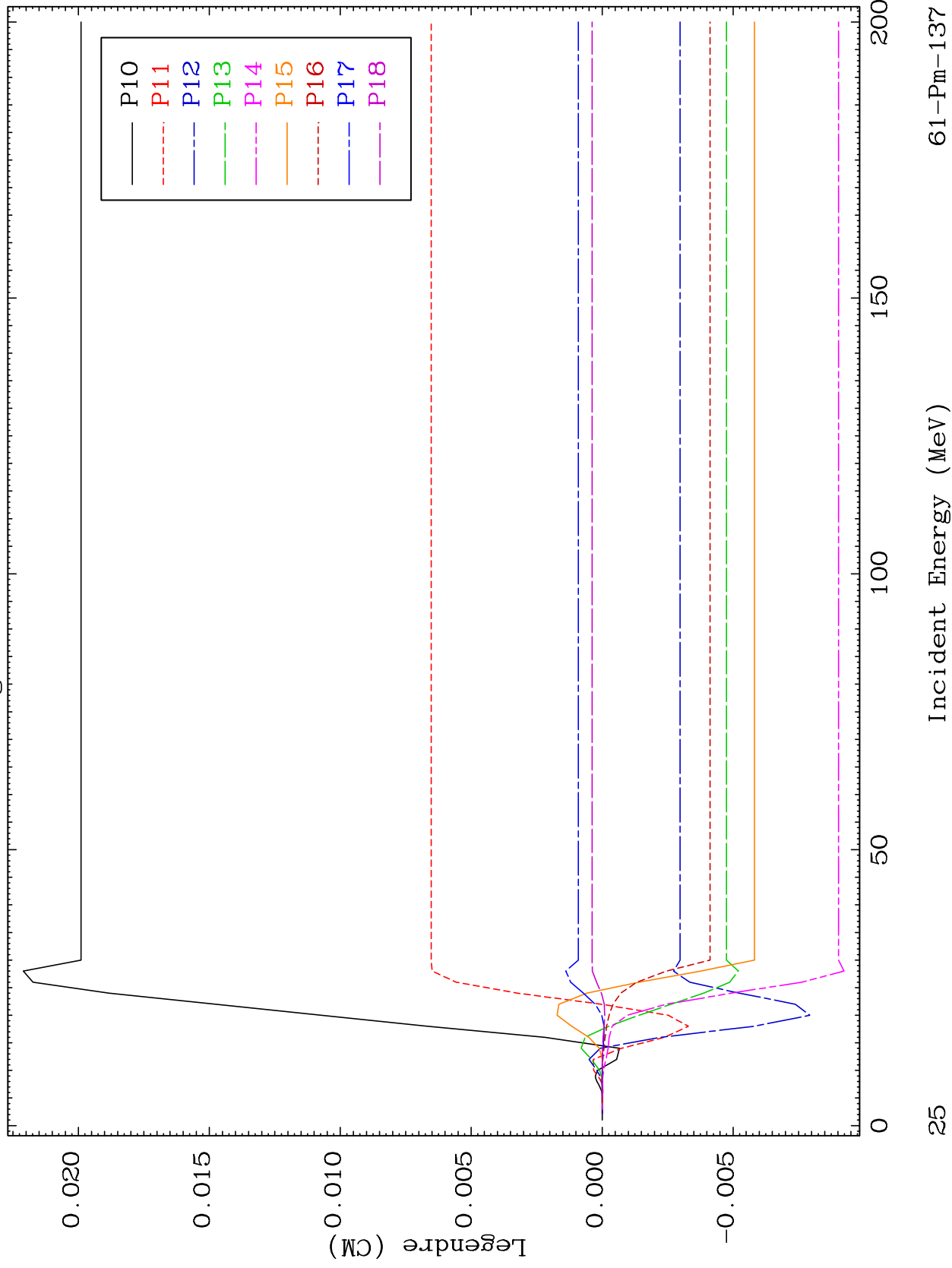


61-Pm-137

MAT 6119

337.5 keV (n,n') Level
Legendre Coefficients

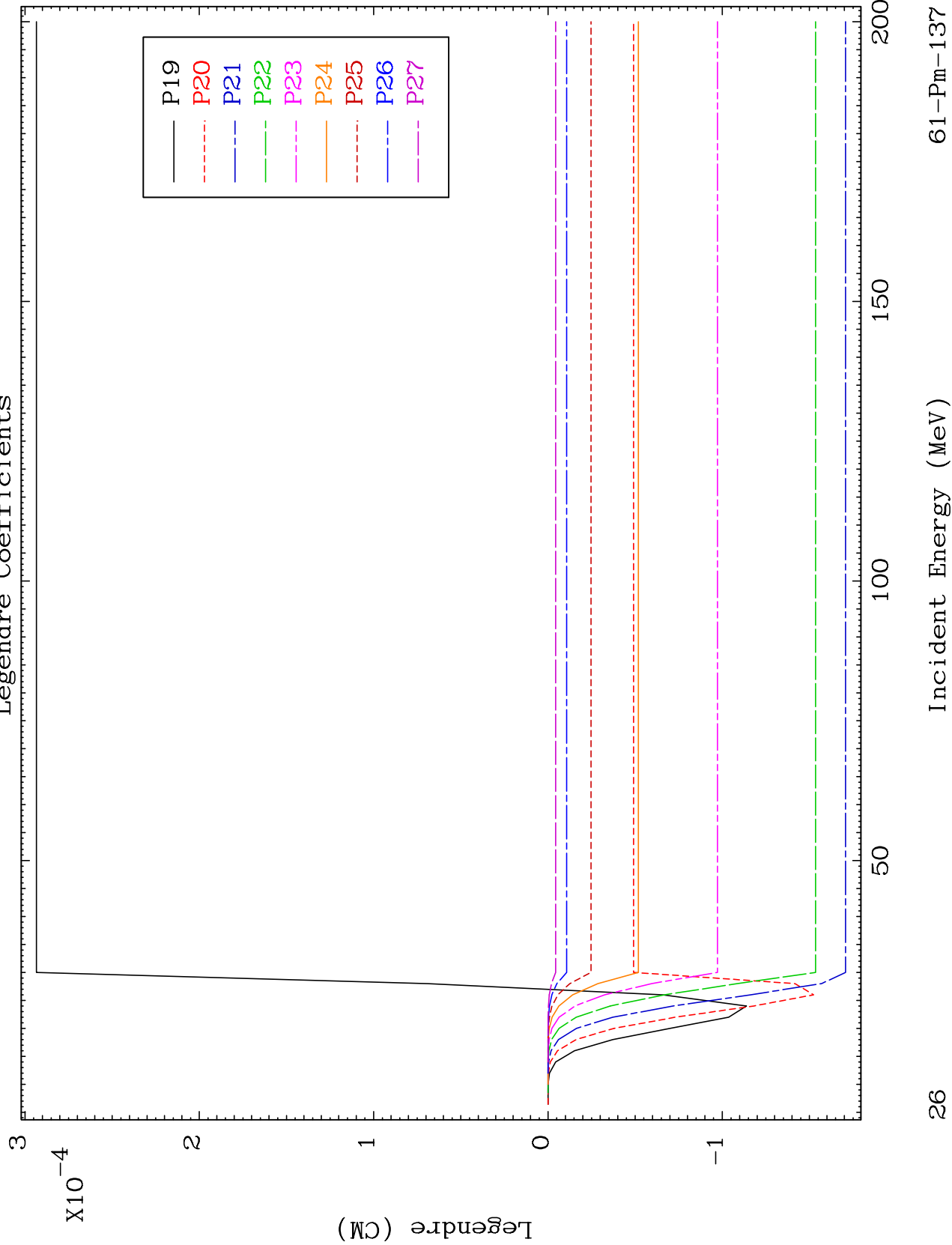
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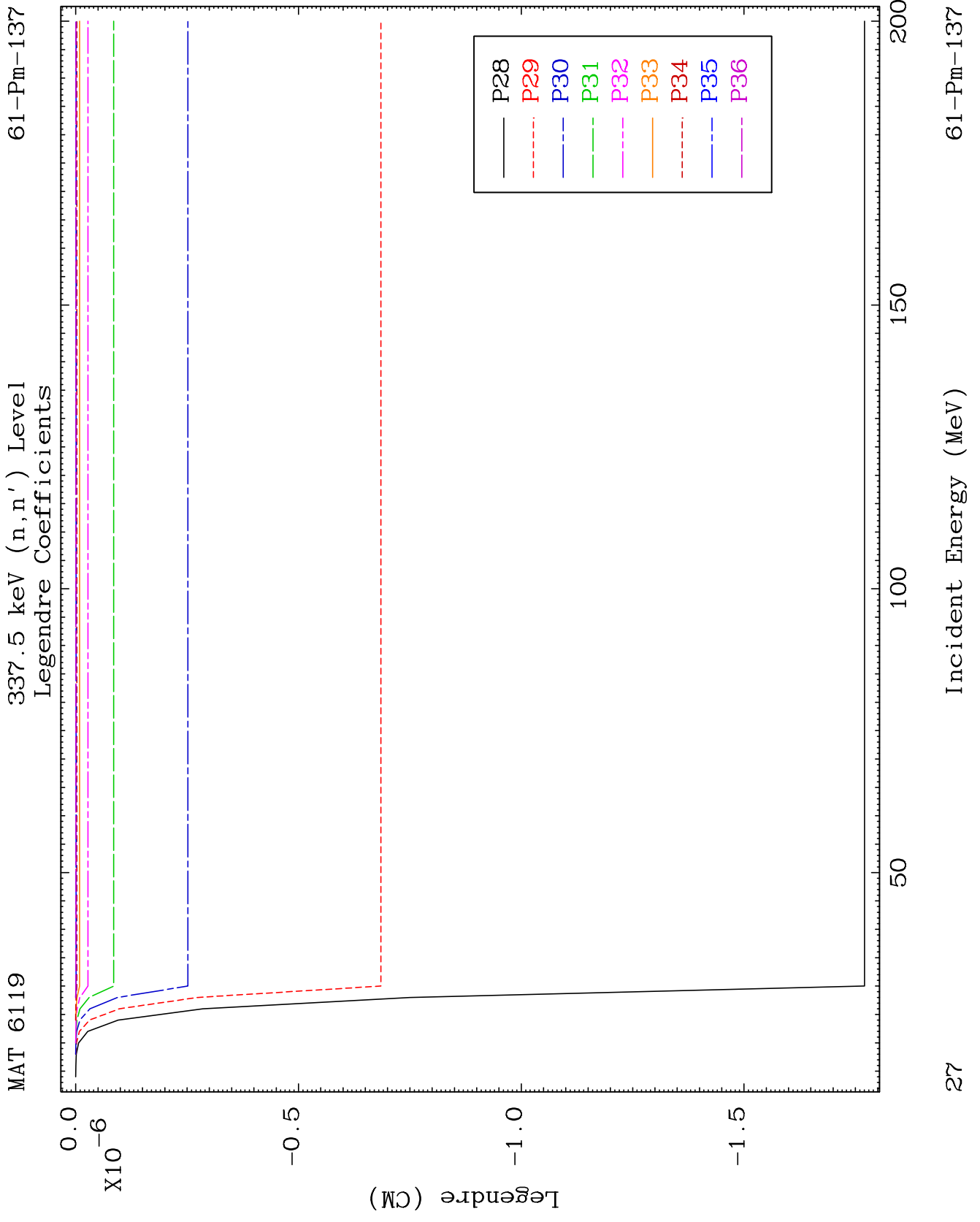


61-Pm-137

Incident Energy (MeV)

25

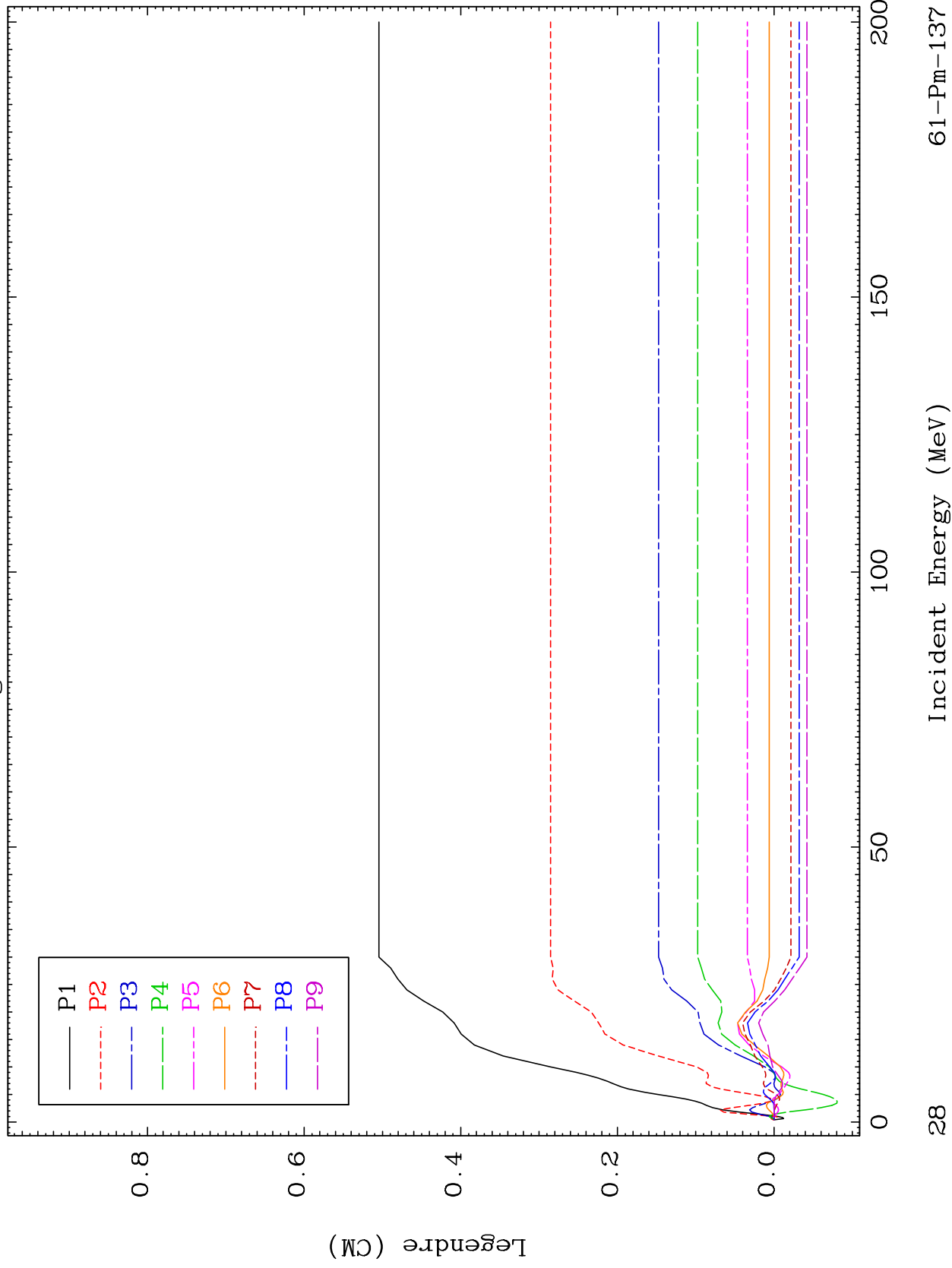




MAT 6119

344.1 keV (n, n') Level
Legendre Coefficients

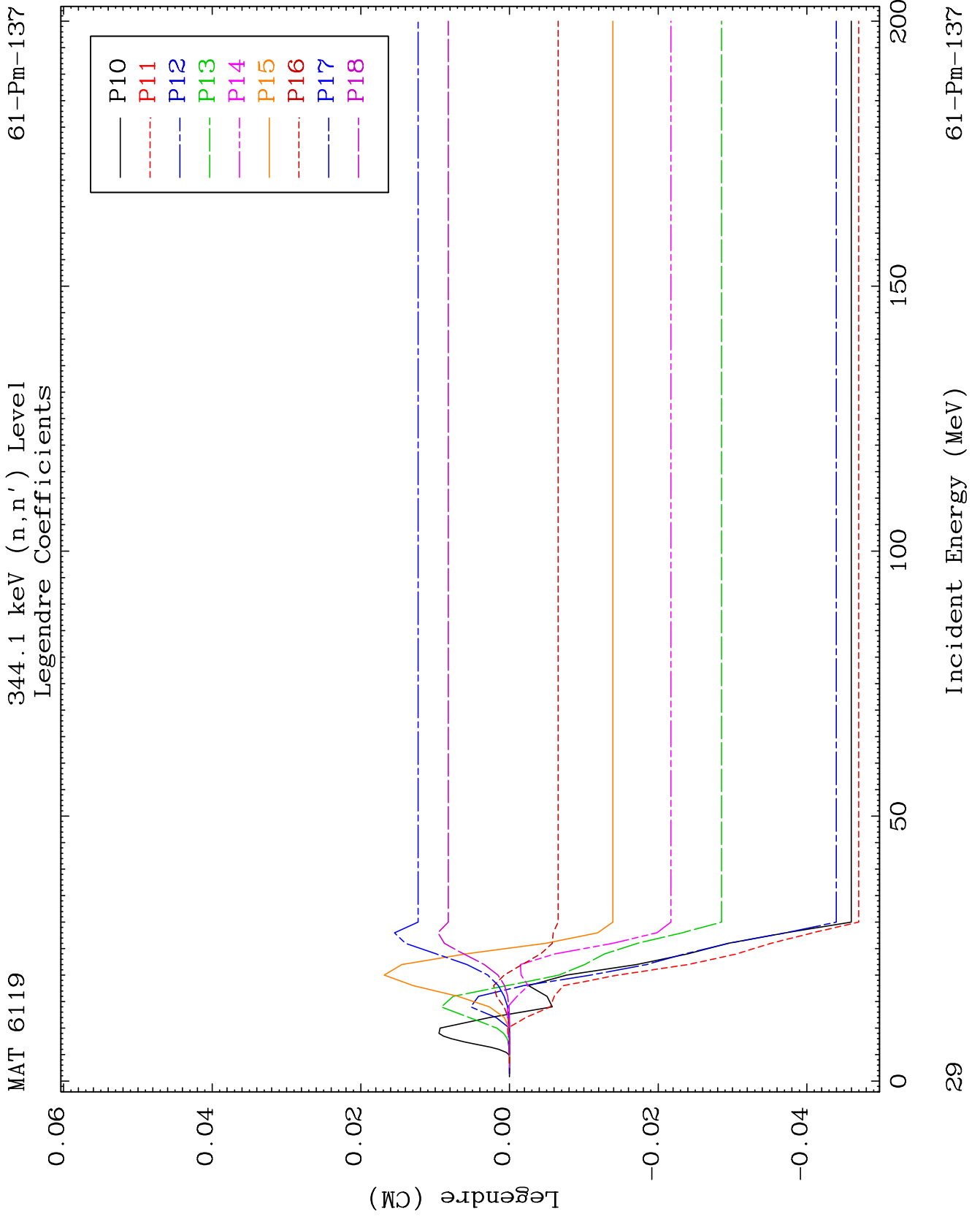
61-Pm-137



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Incident Energy (MeV)

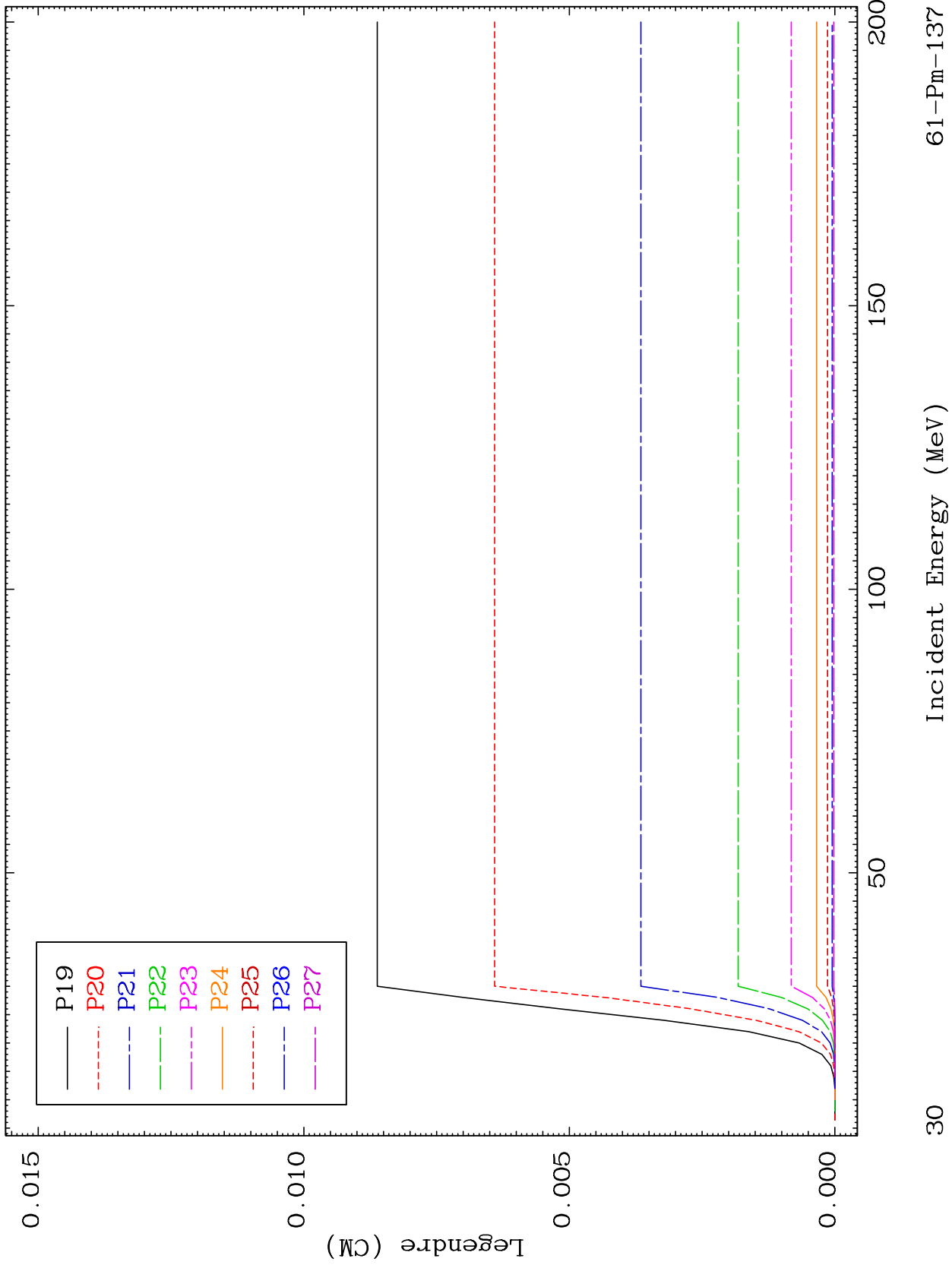
61-Pm-137



MAT 6119

344.1 keV (n,n') Level
Legendre Coefficients

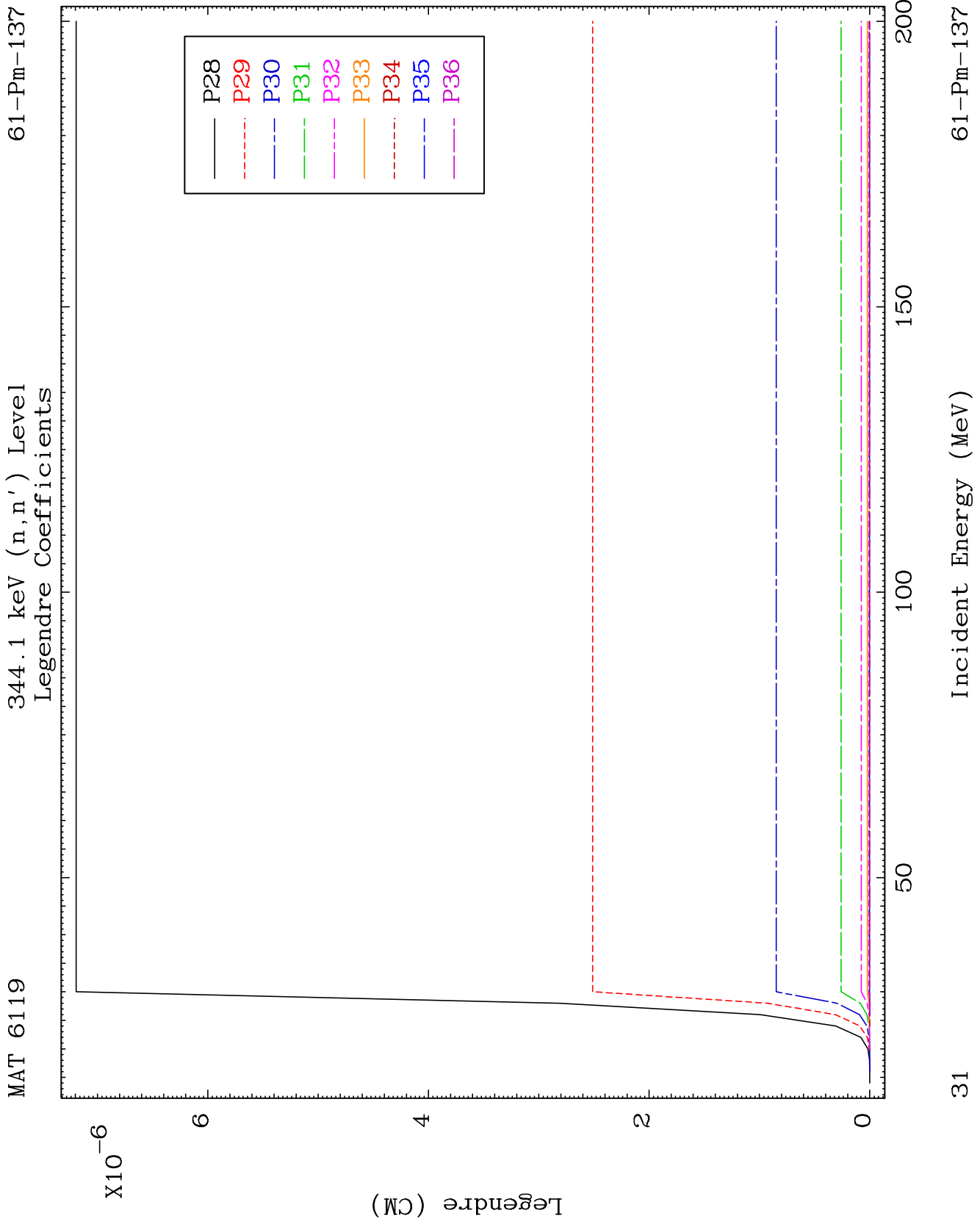
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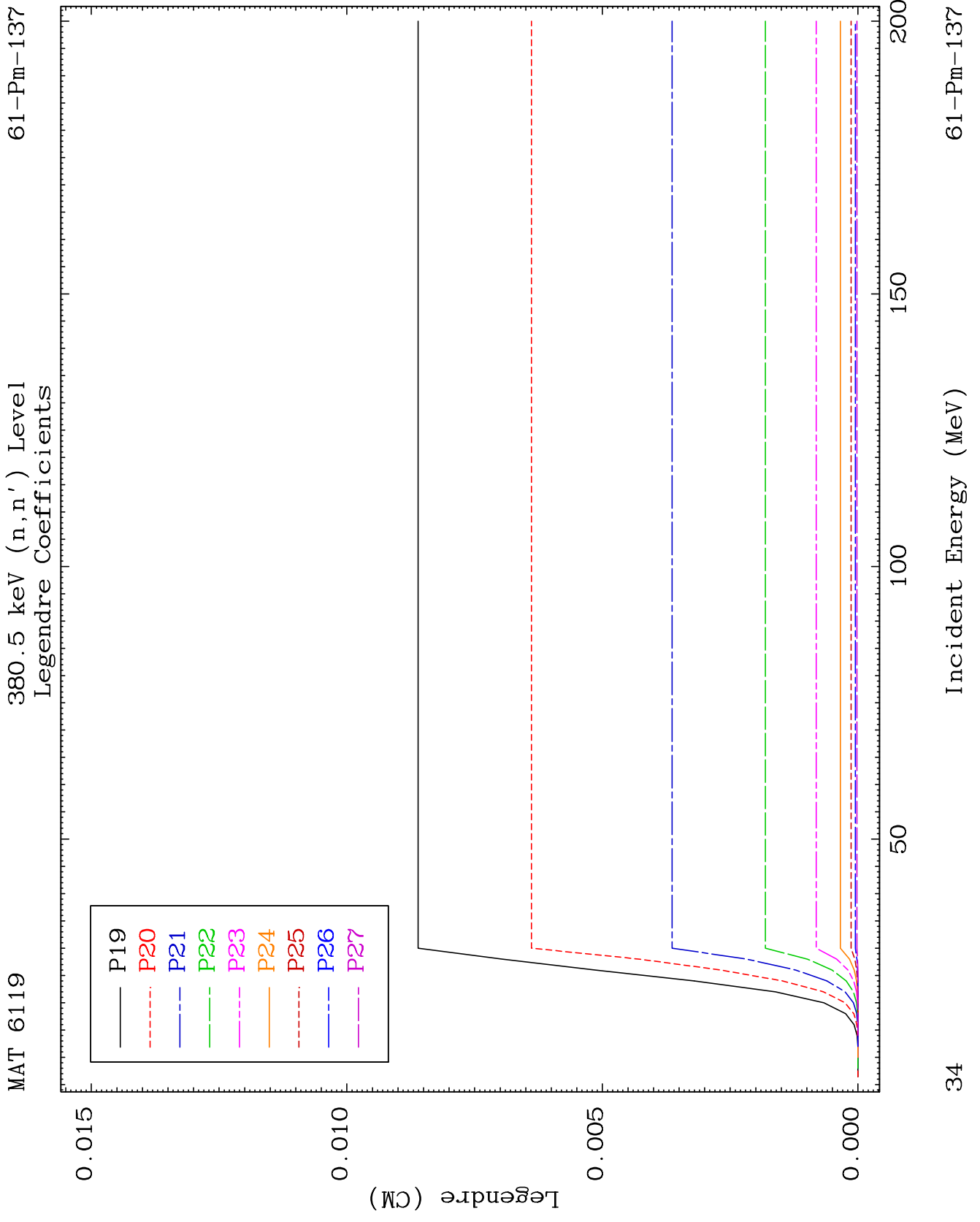


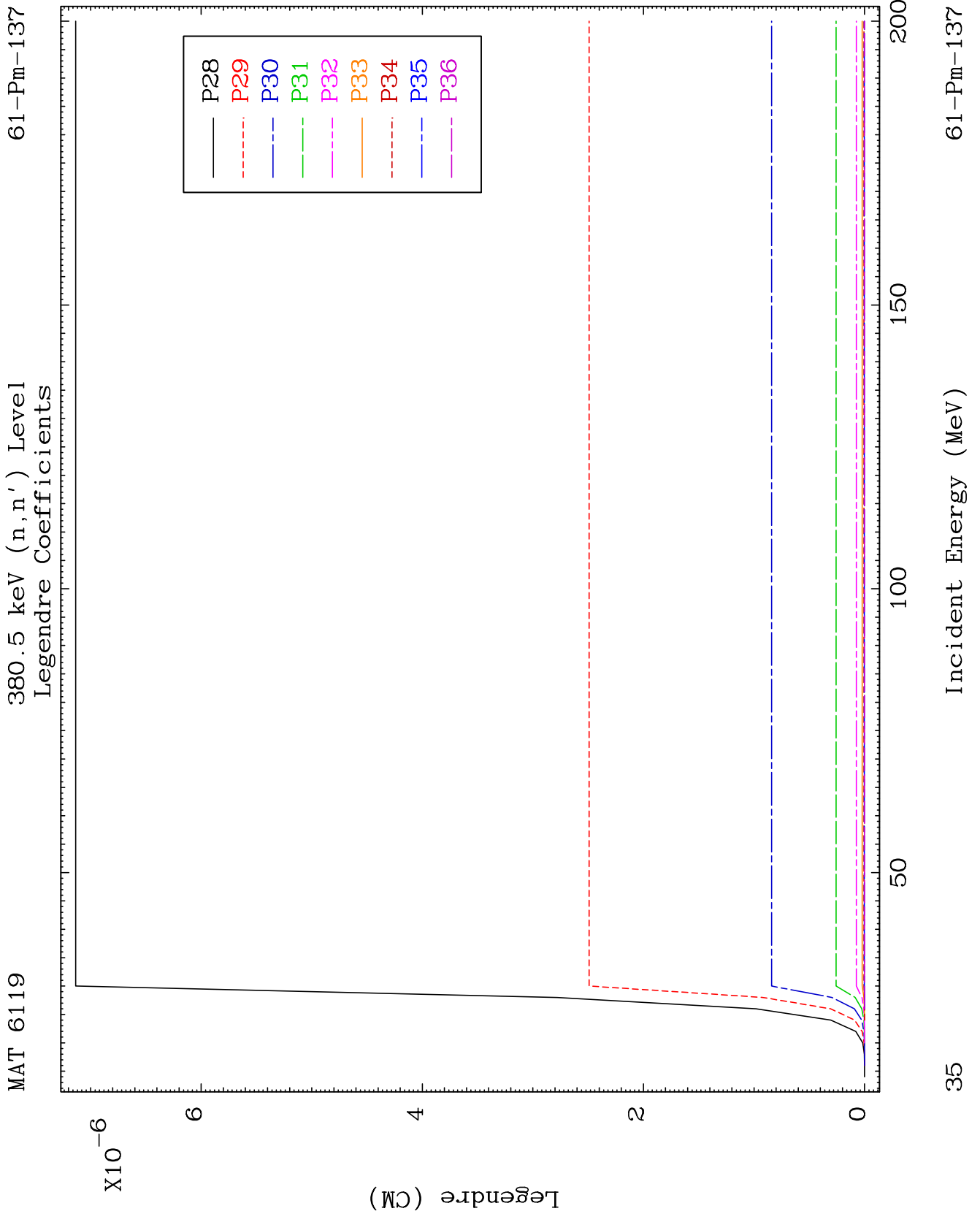
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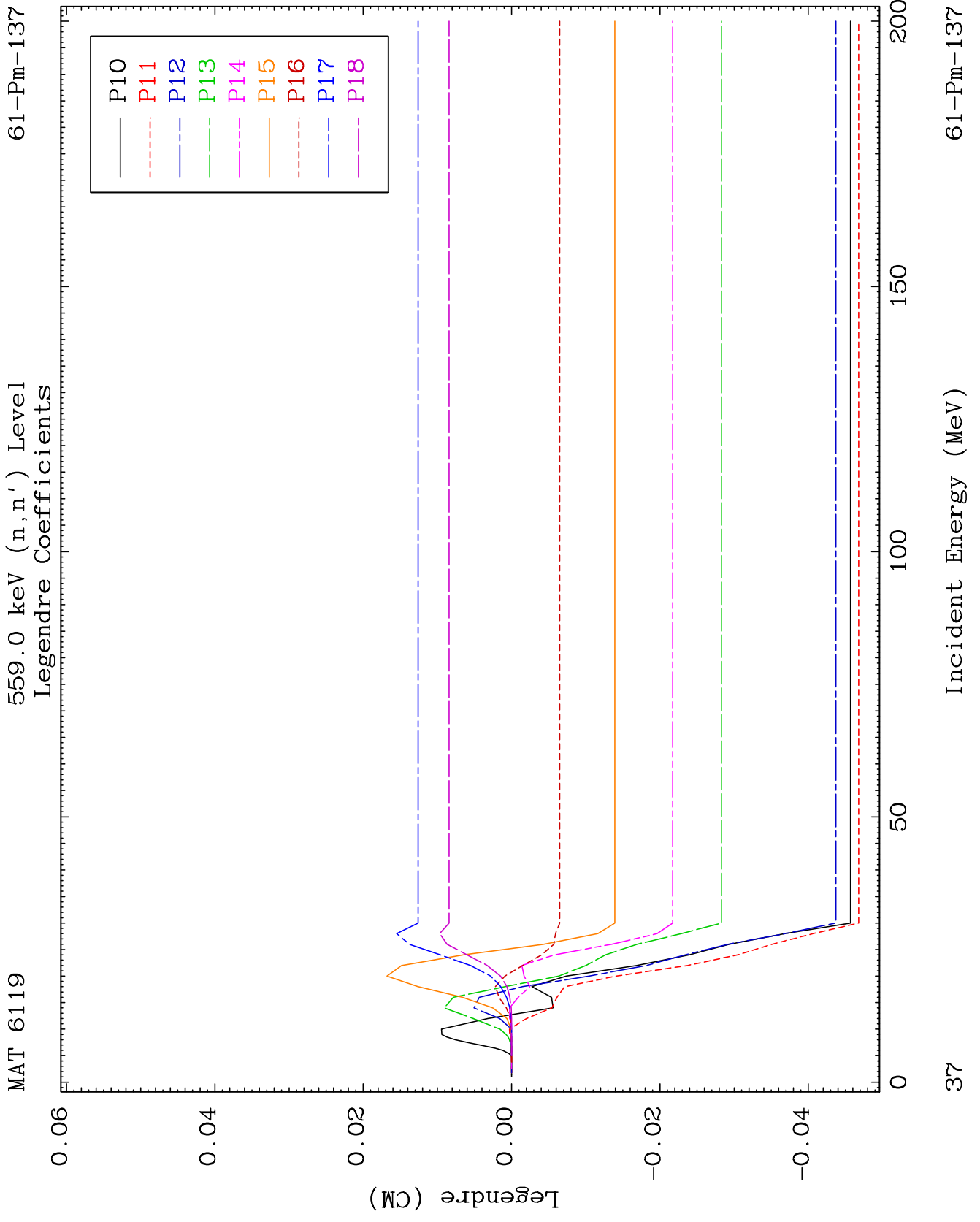
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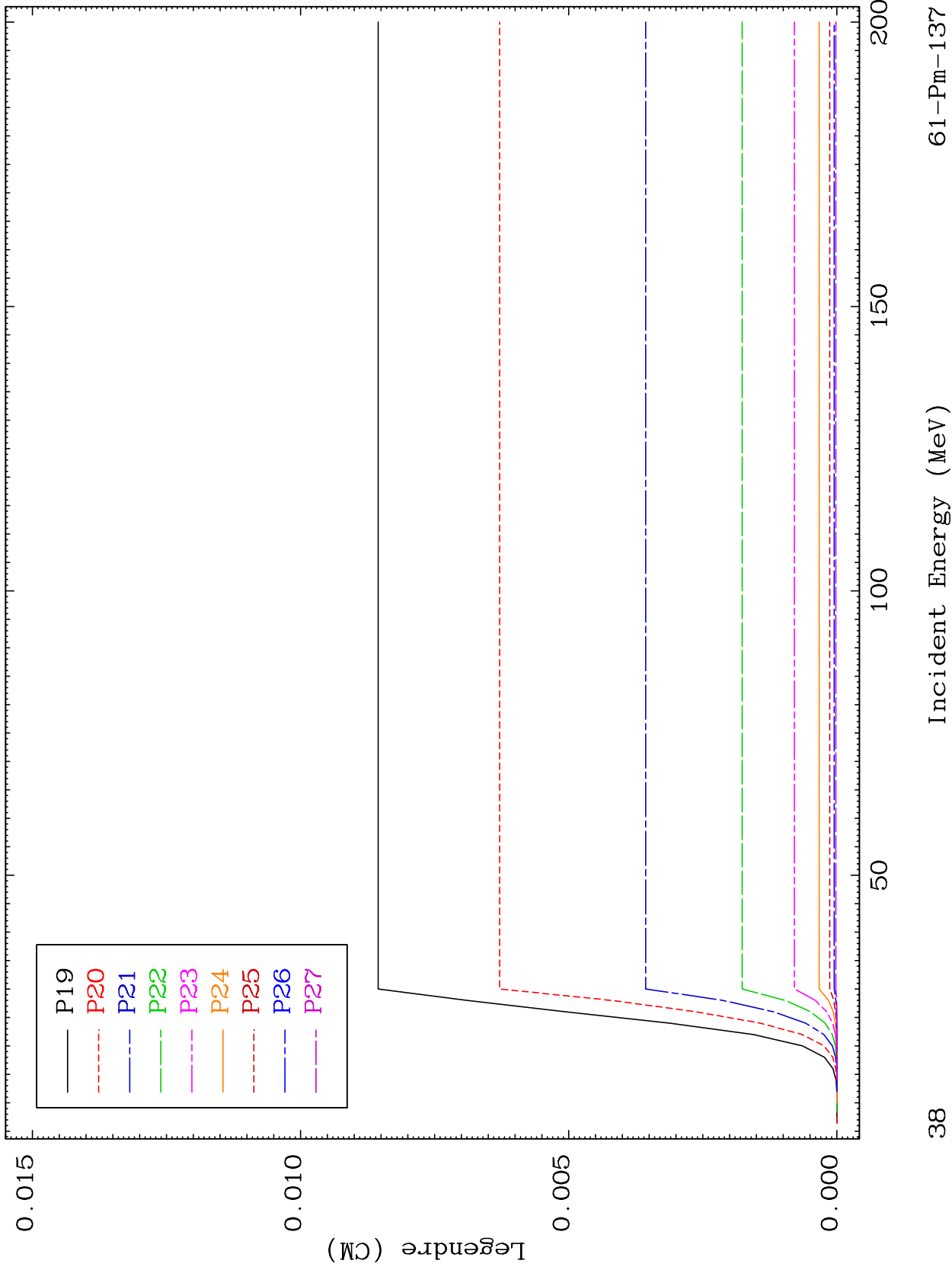
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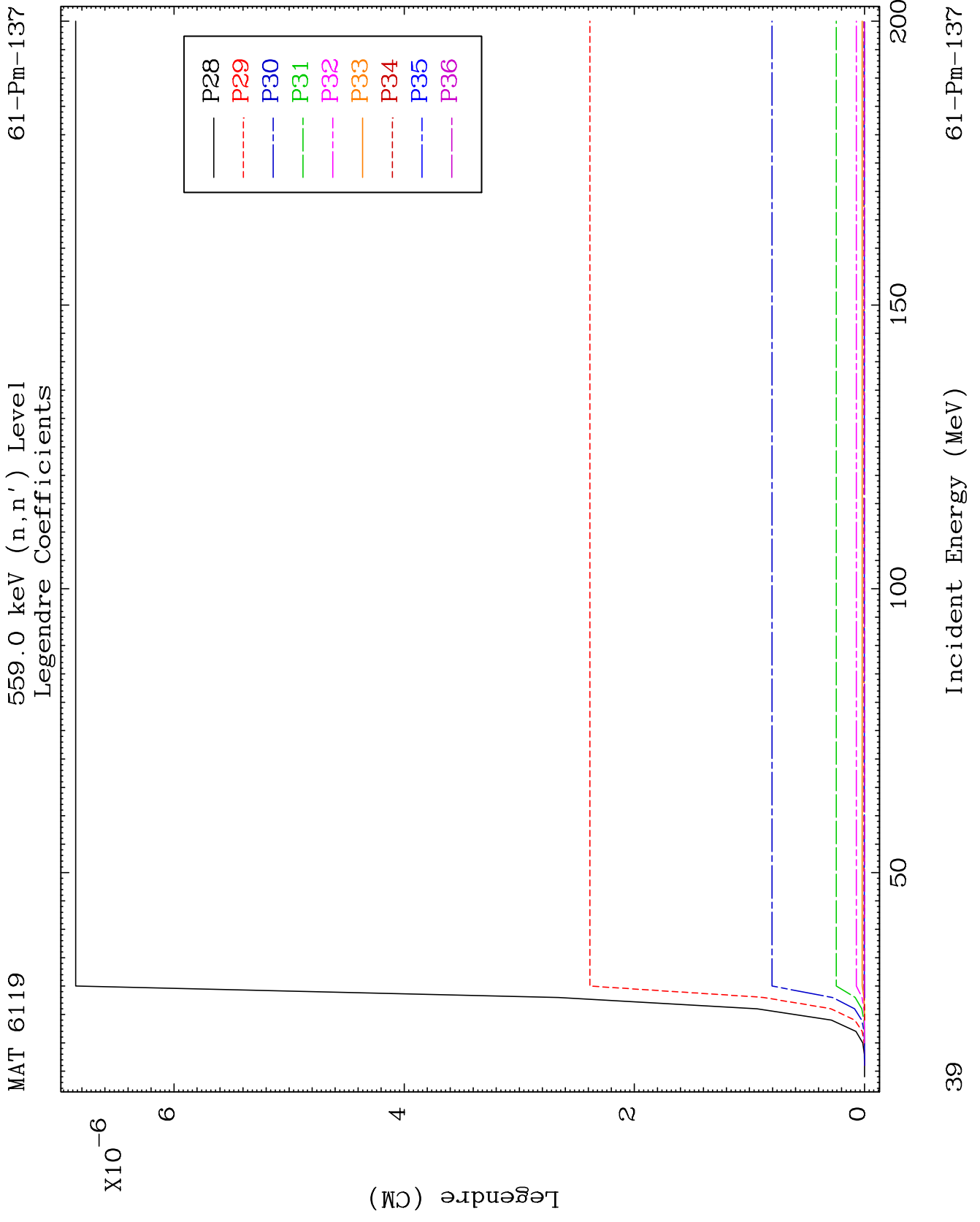








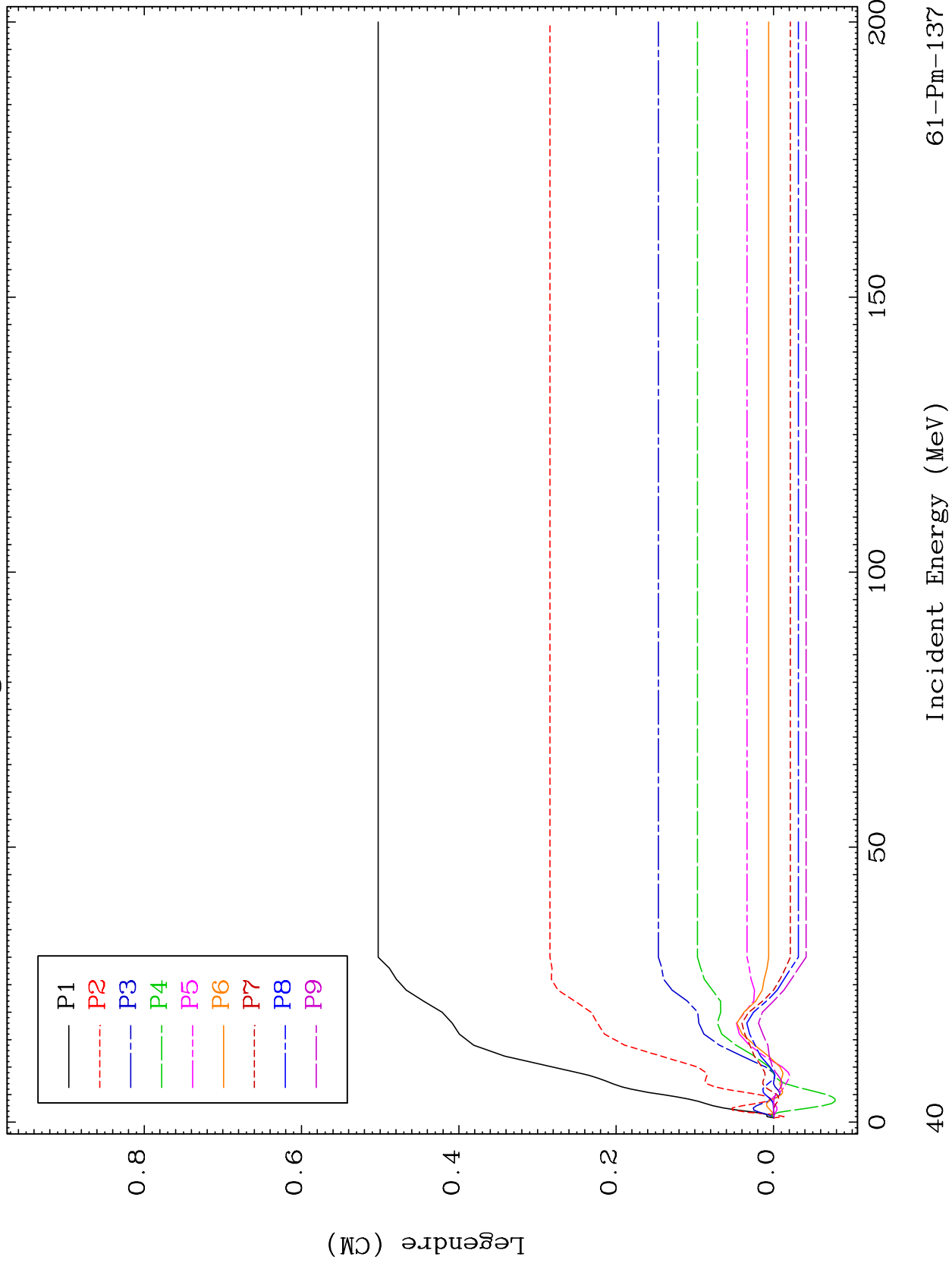




MAT 6119

694.9 keV (n,n') Level
Legendre Coefficients

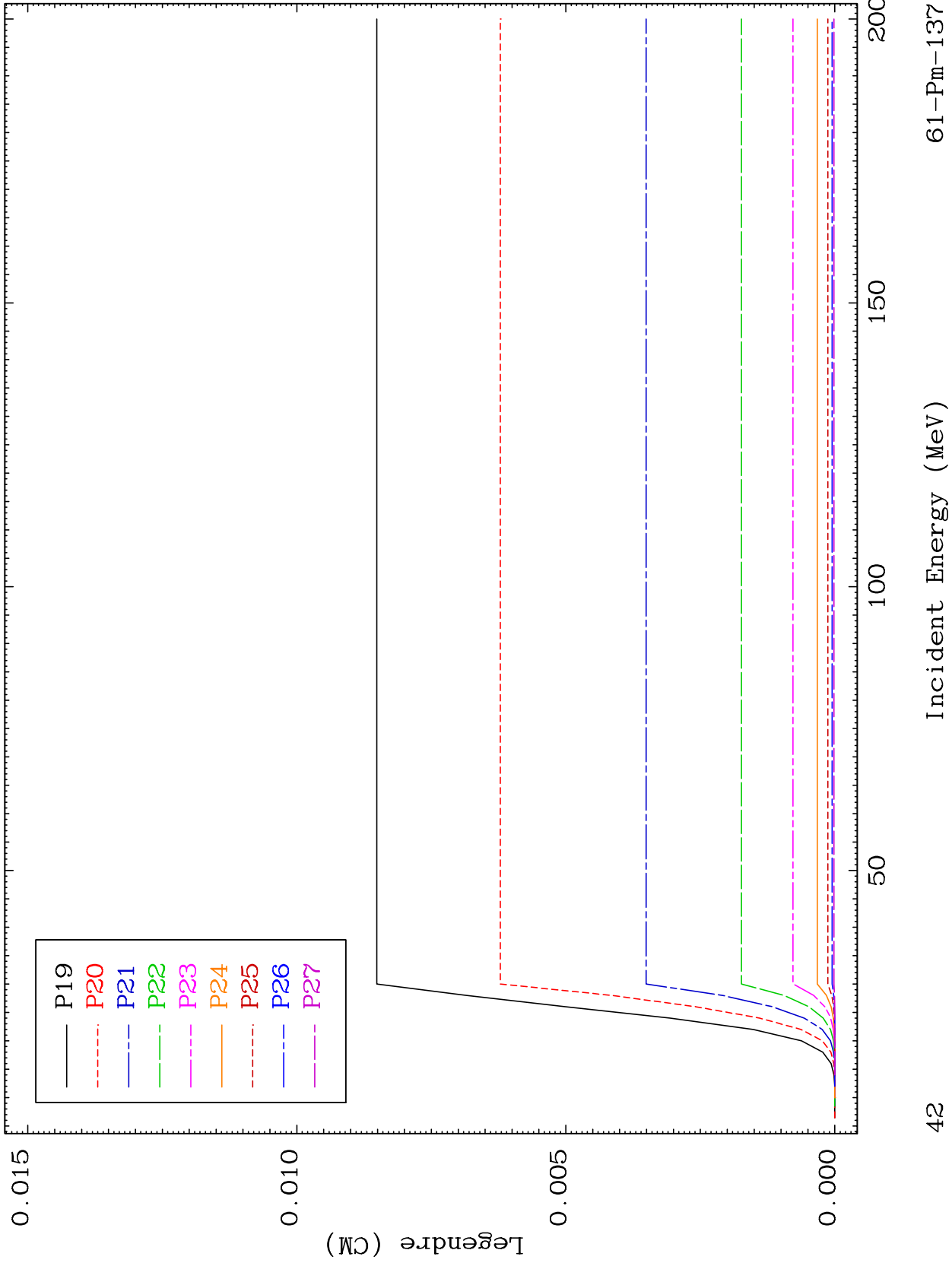
61-Pm-137



MAT 6119

694.9 keV (n,n') Level
Legendre Coefficients

61-Pm-137



42

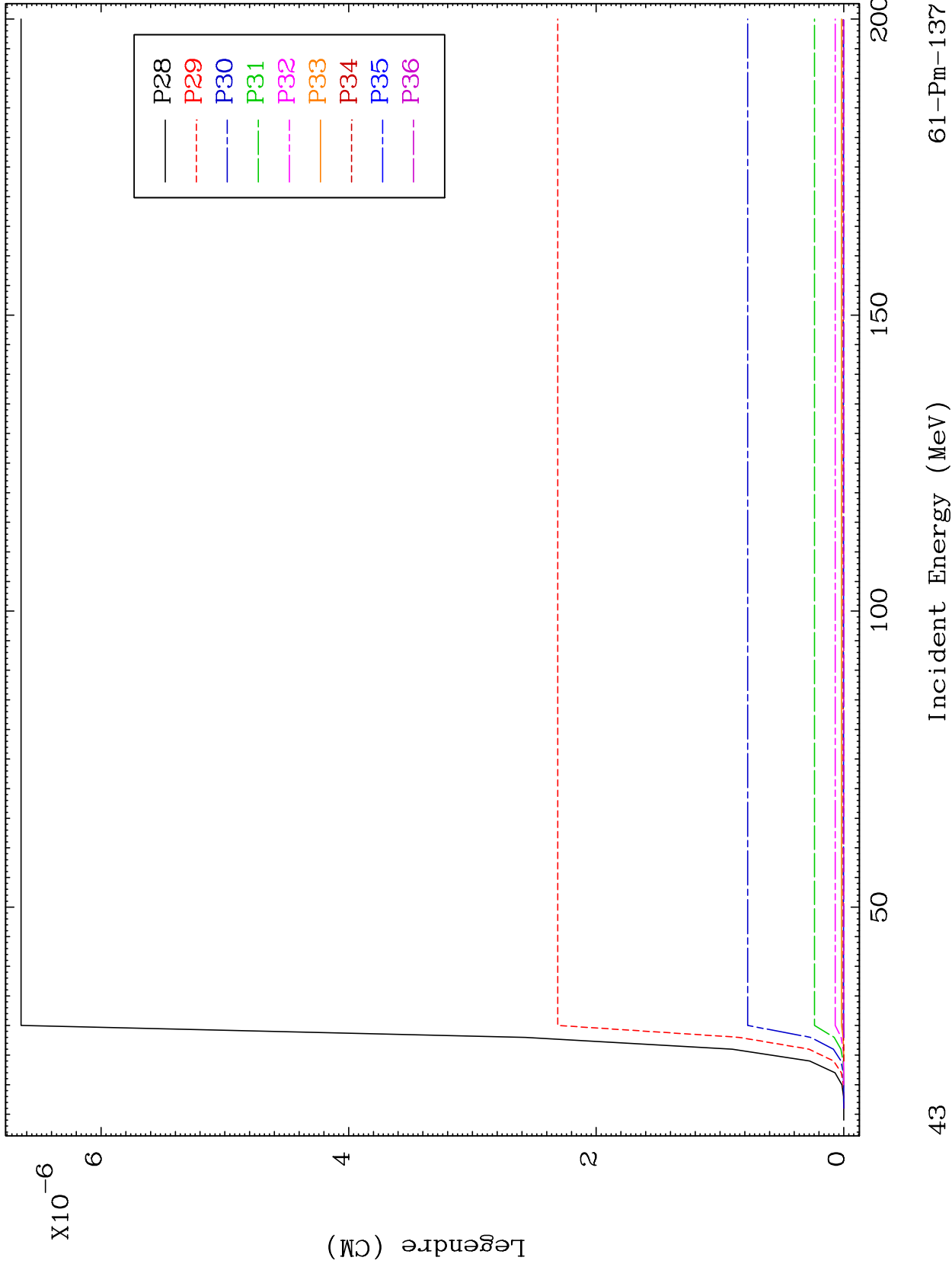
Incident Energy (MeV)

61-Pm-137

MAT 6119

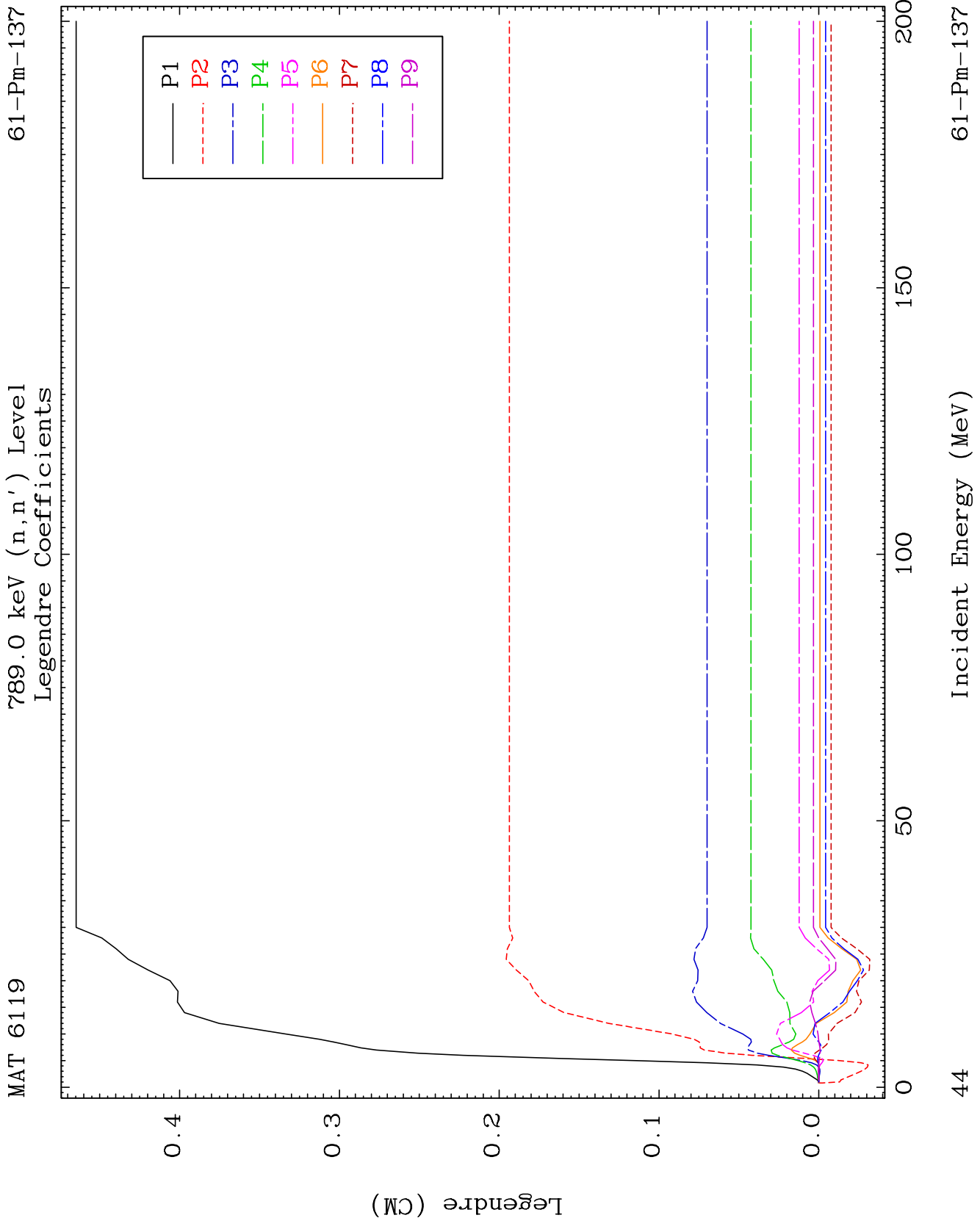
694.9 keV (n, n') Level
Legendre Coefficients

61-Pm-137



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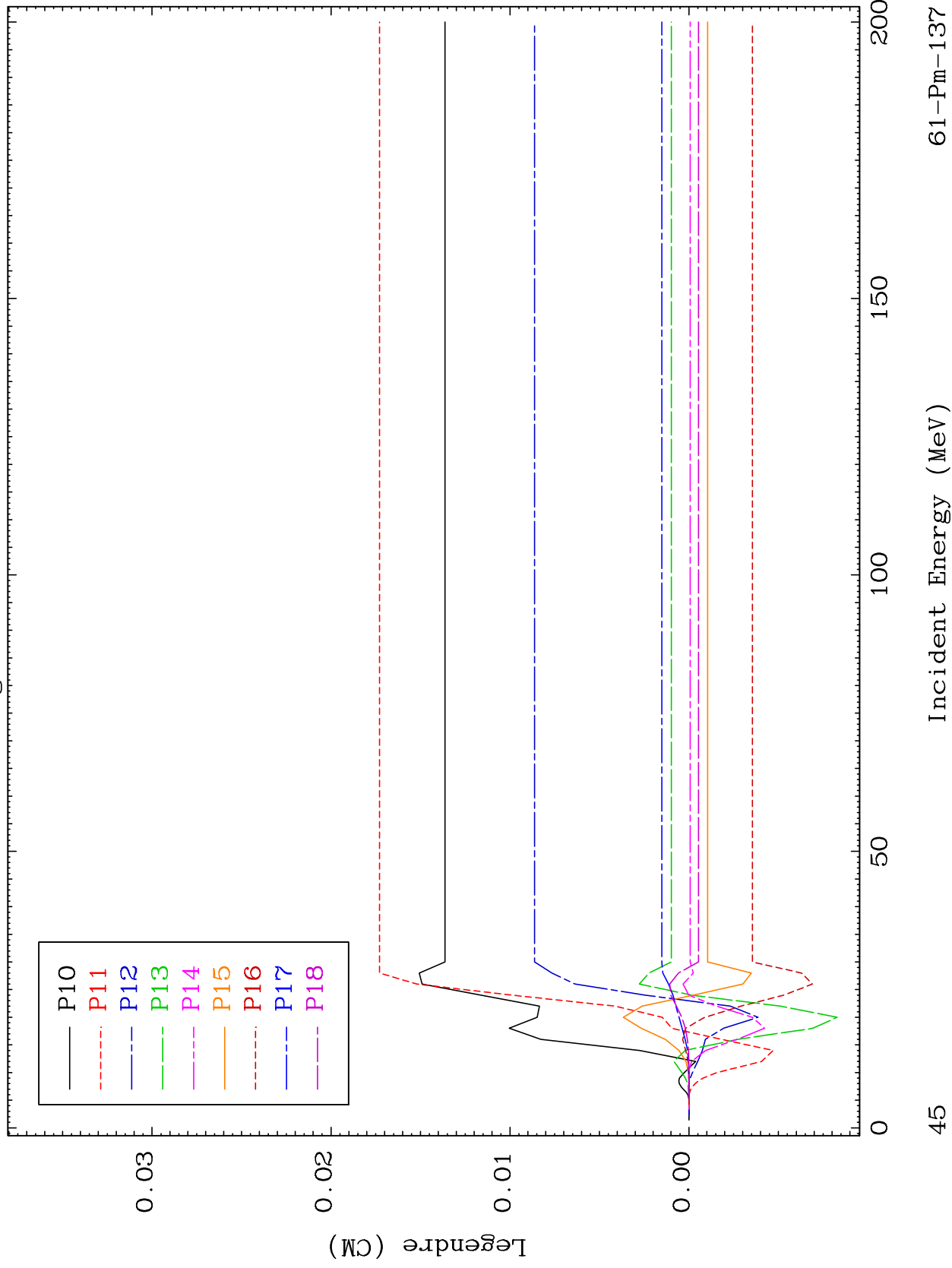
61-Pm-137



MAT 6119

789.0 keV (n, n') Level
Legendre Coefficients

61-Pm-137



61-Pm-137

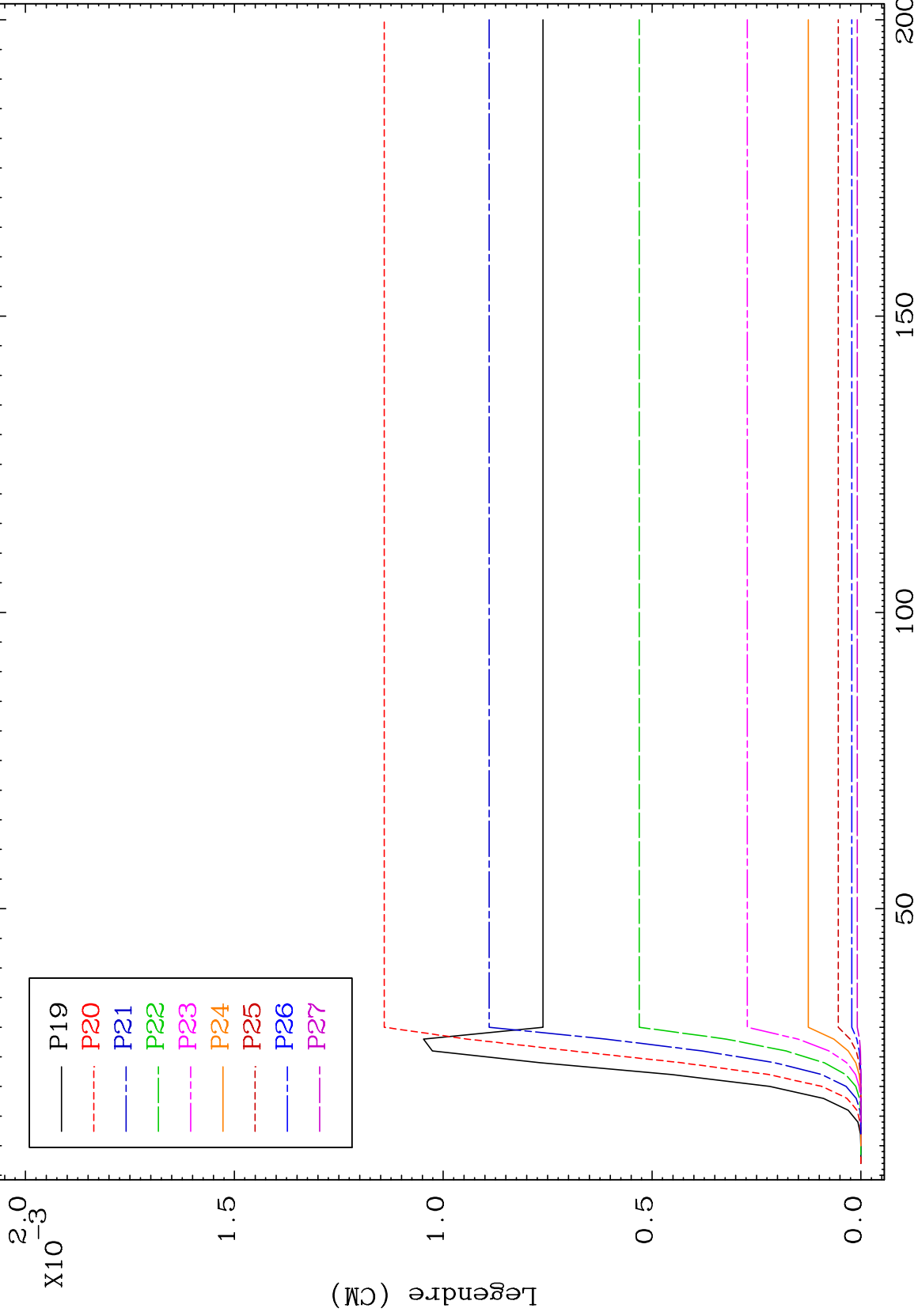
Incident Energy (MeV)

45

MAT 6119

789.0 keV (n,n') Level
Legendre Coefficients

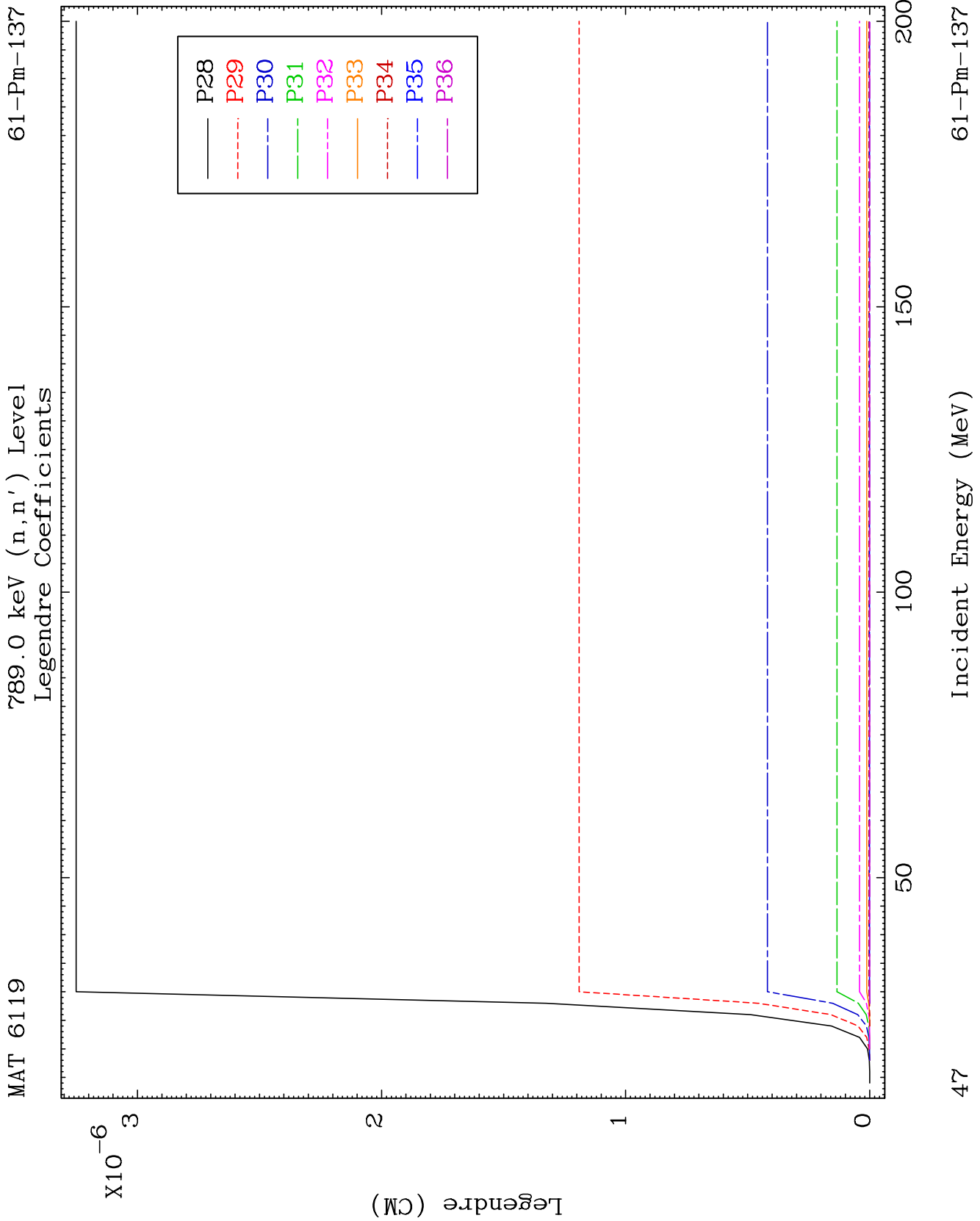
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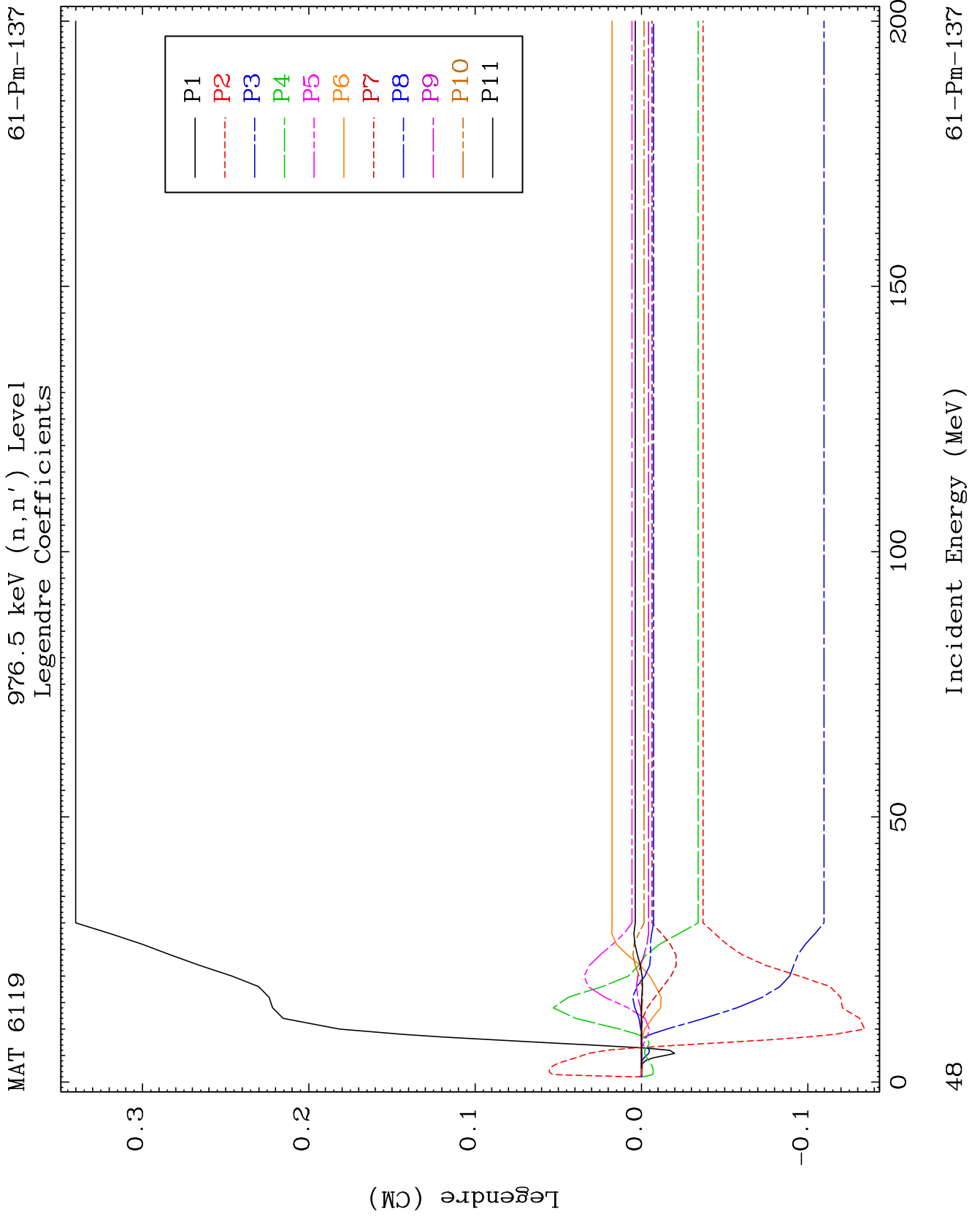


46

Incident Energy (MeV)

61-Pm-137

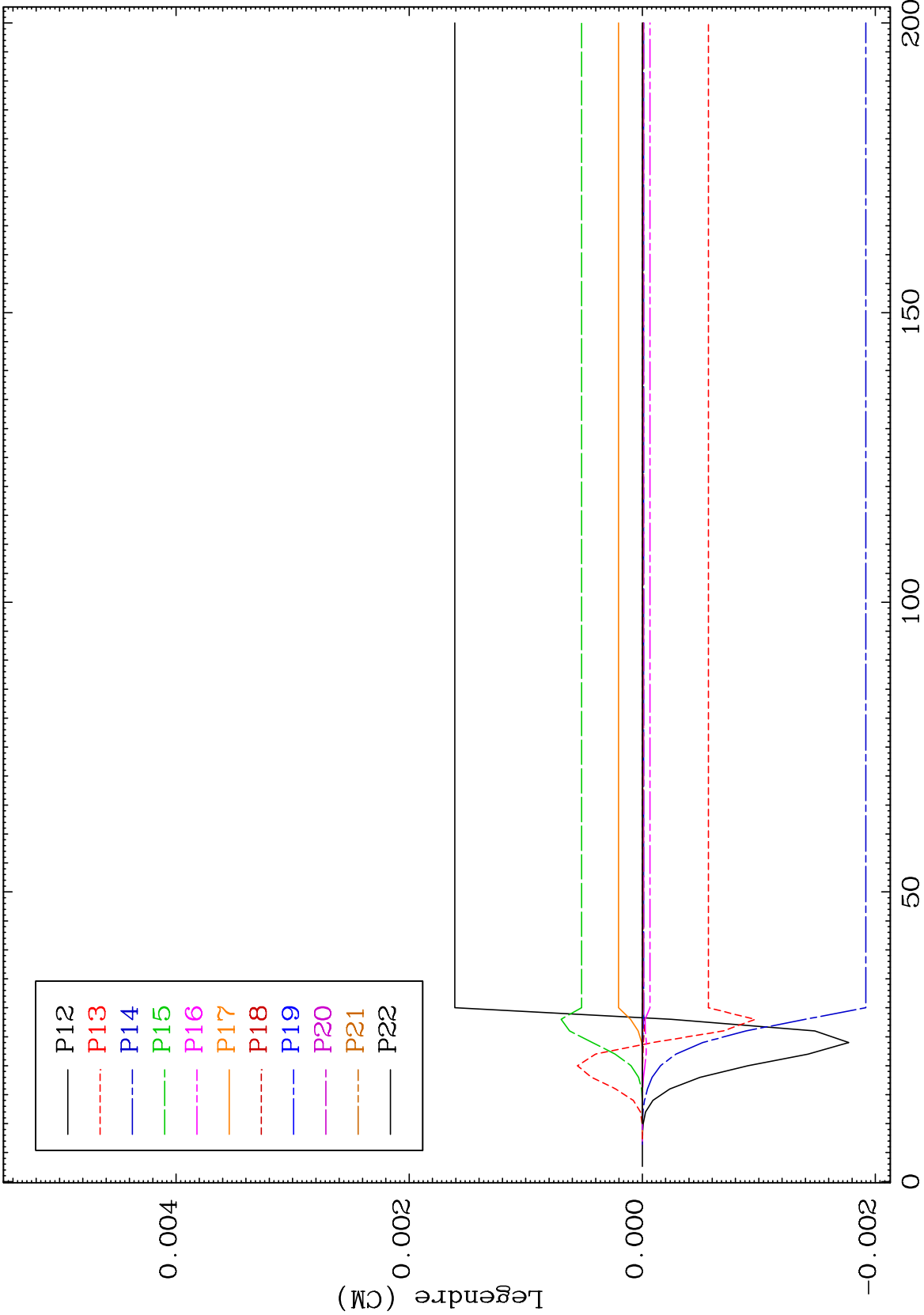




MAT 6119

976.5 keV (n,n') Level
Legendre Coefficients

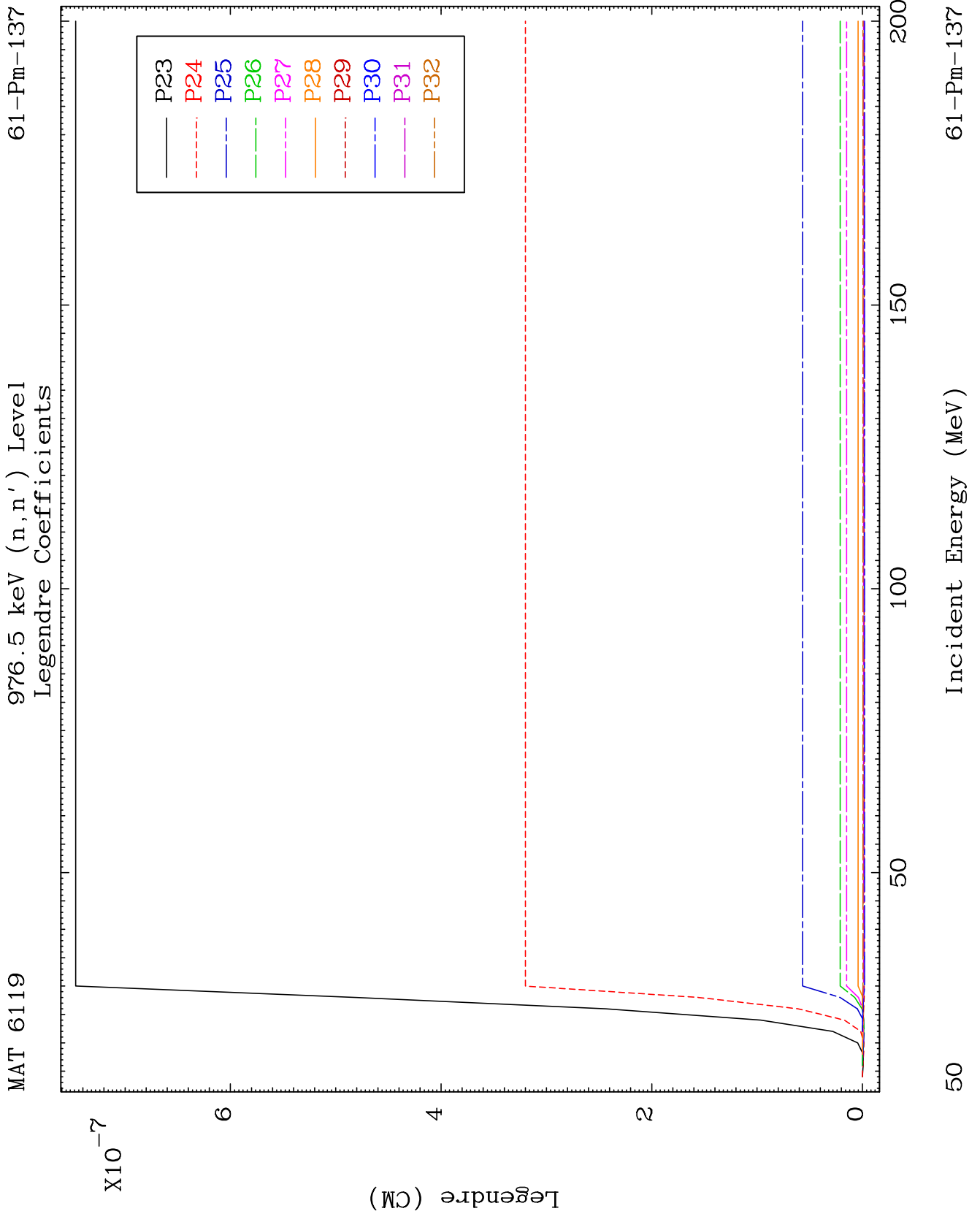
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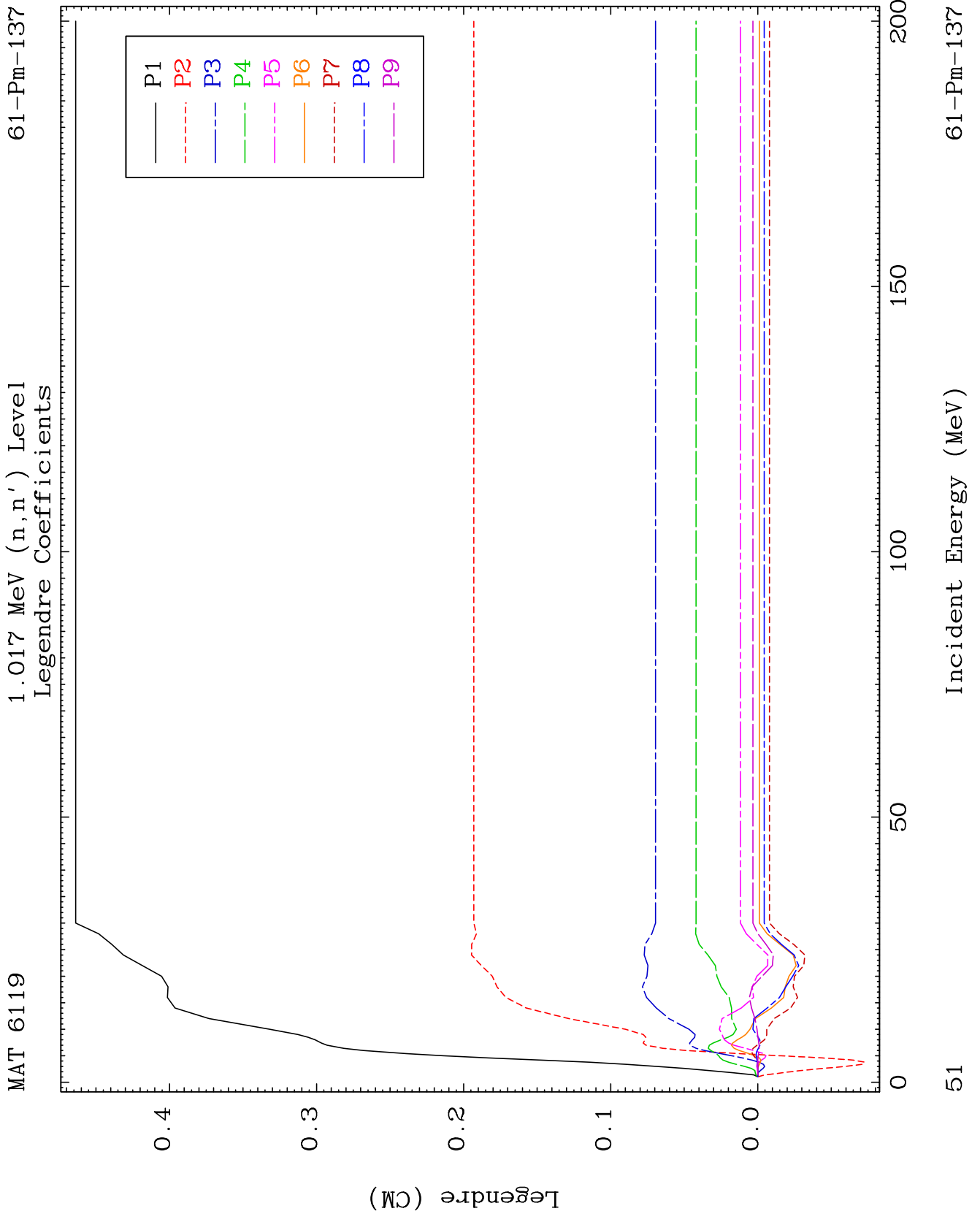


49

Incident Energy (MeV)

61-Pm-137

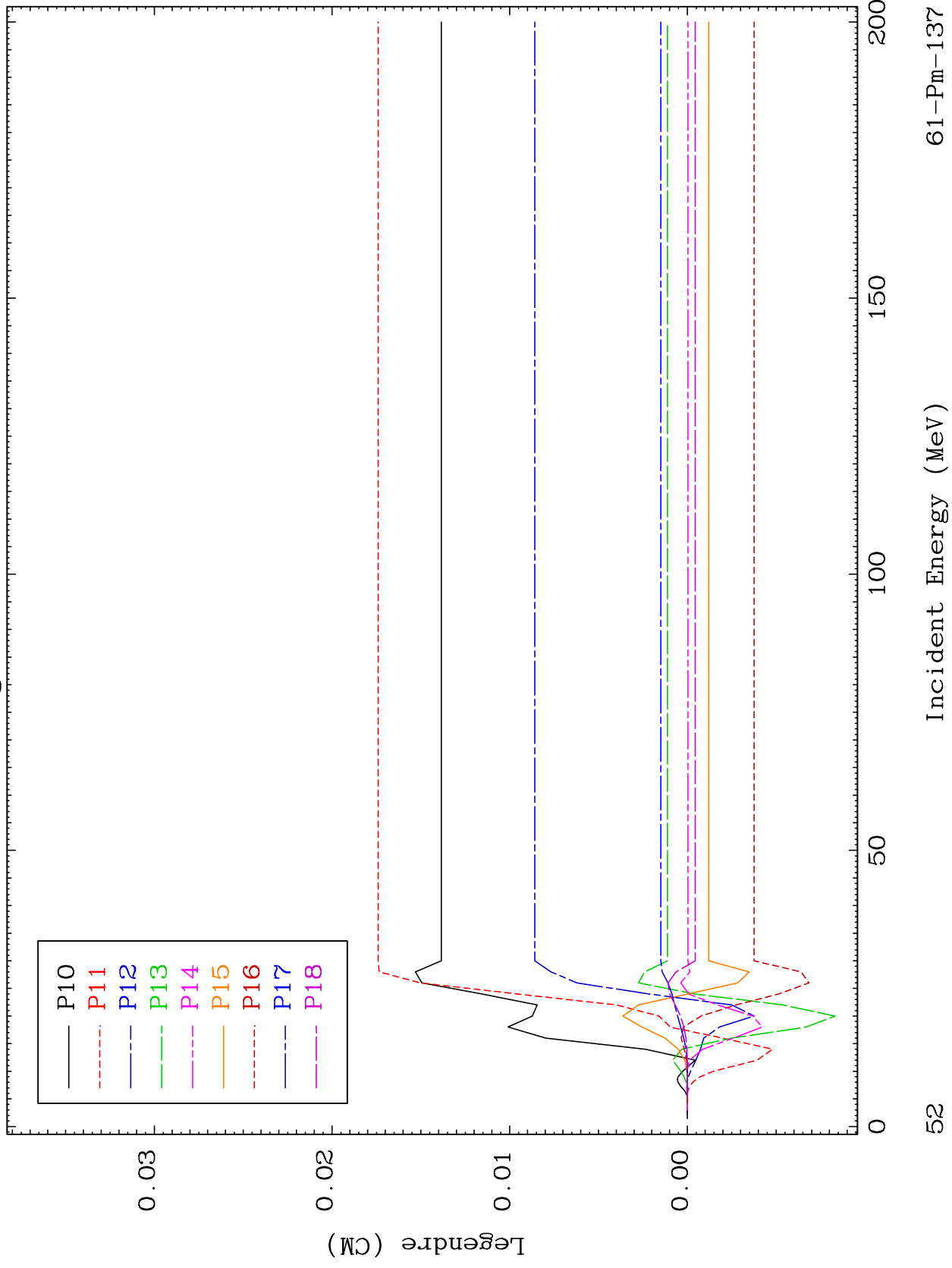




MAT 6119

1.017 MeV (n, n') Level
Legendre Coefficients

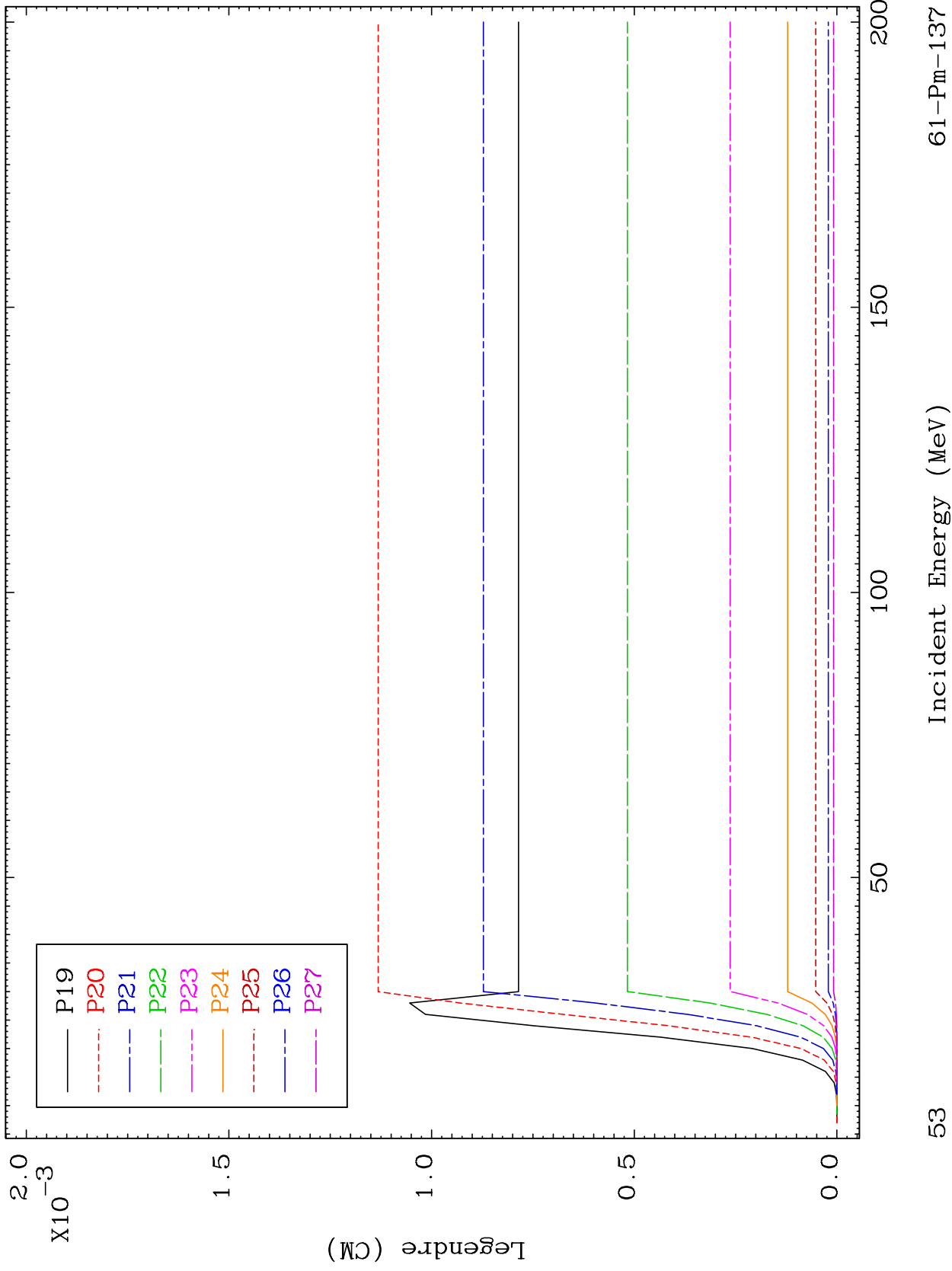
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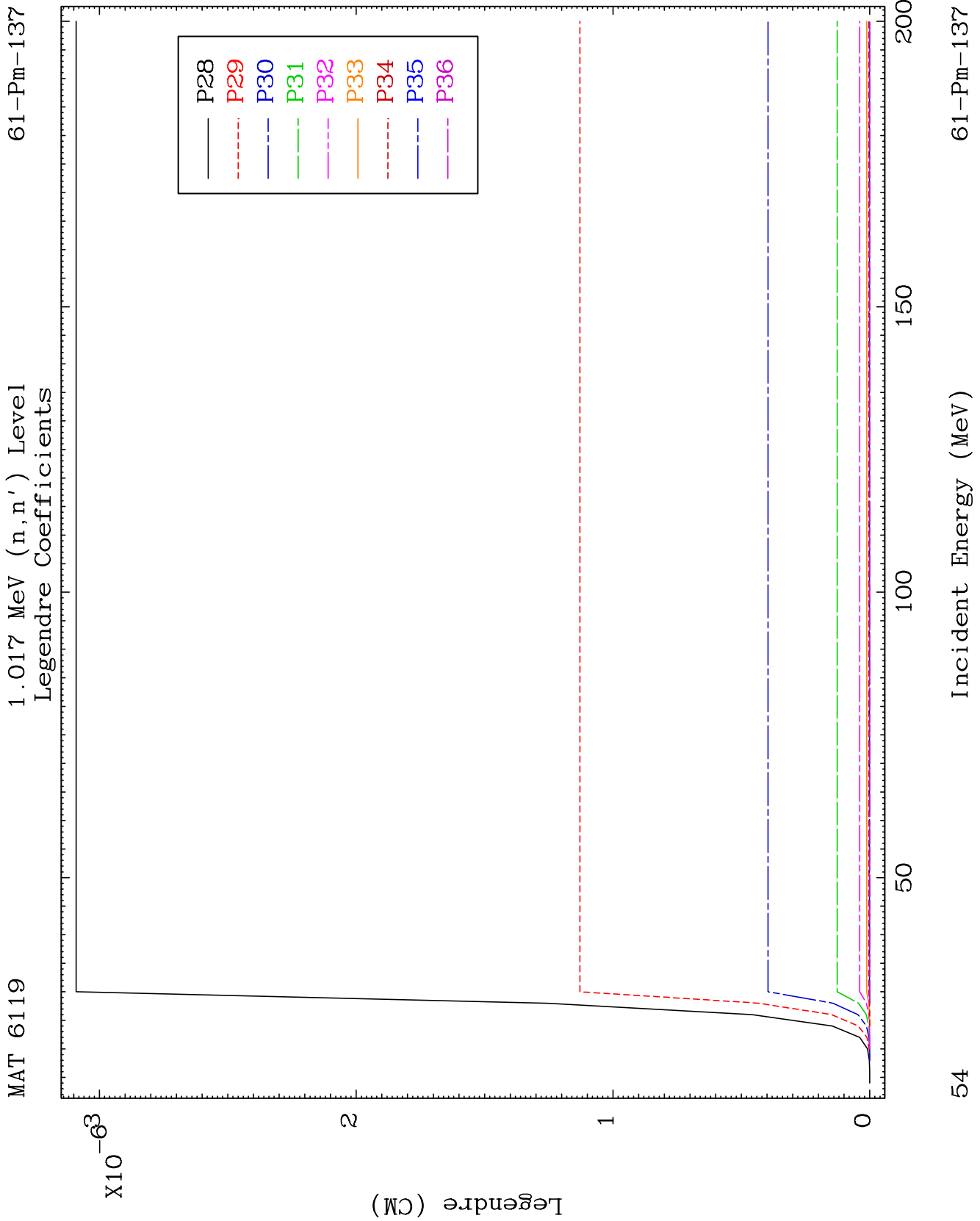


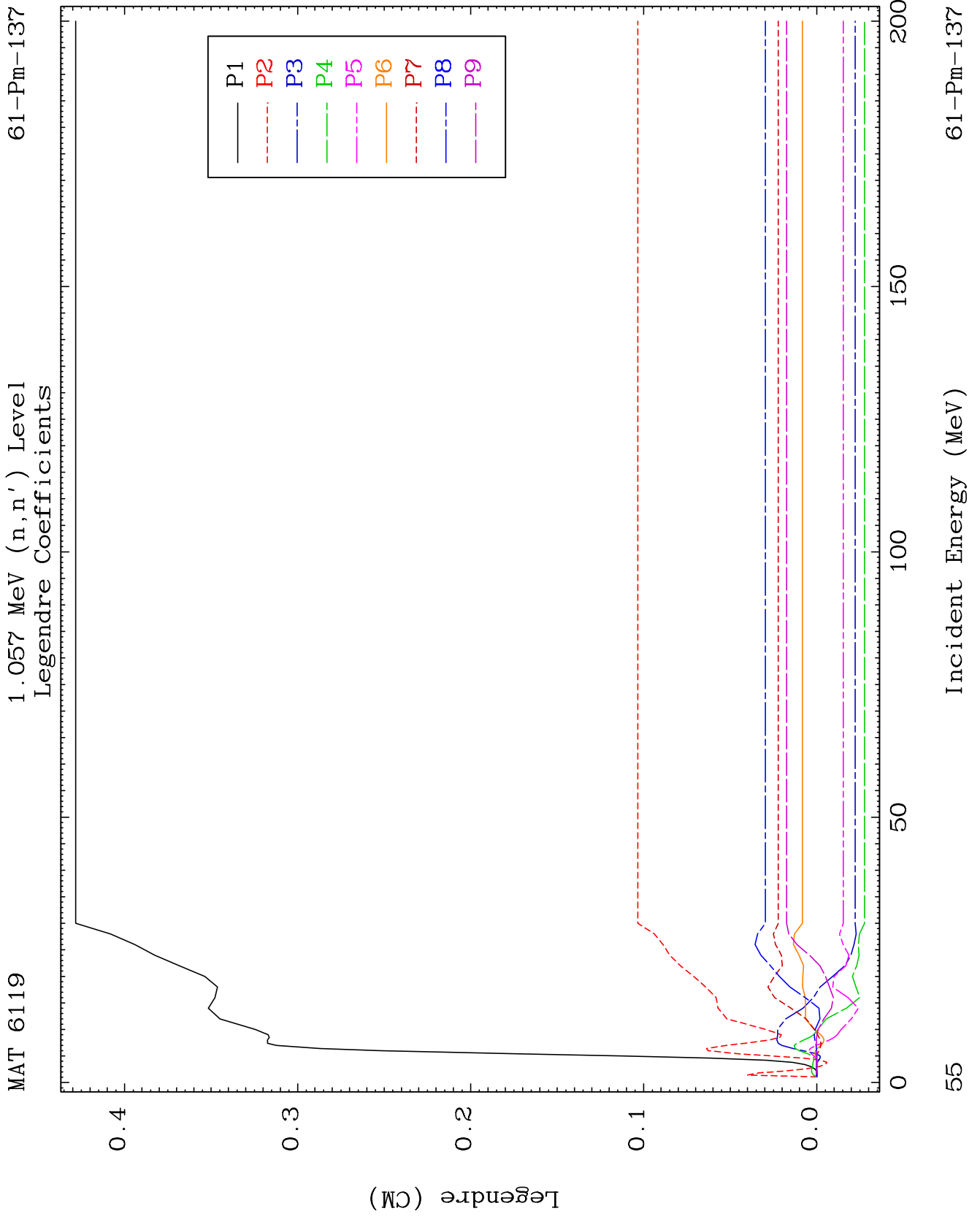
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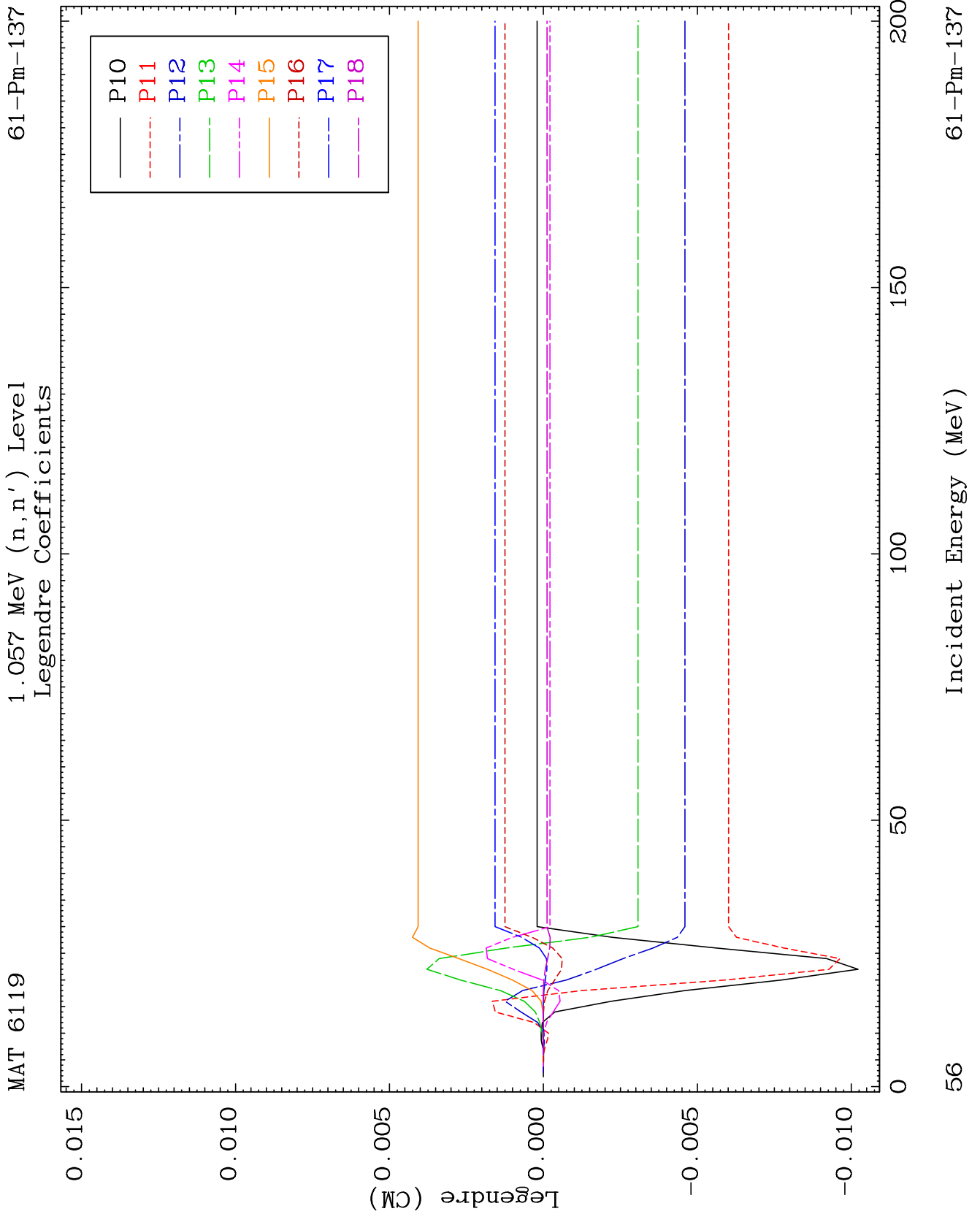
Incident Energy (MeV)

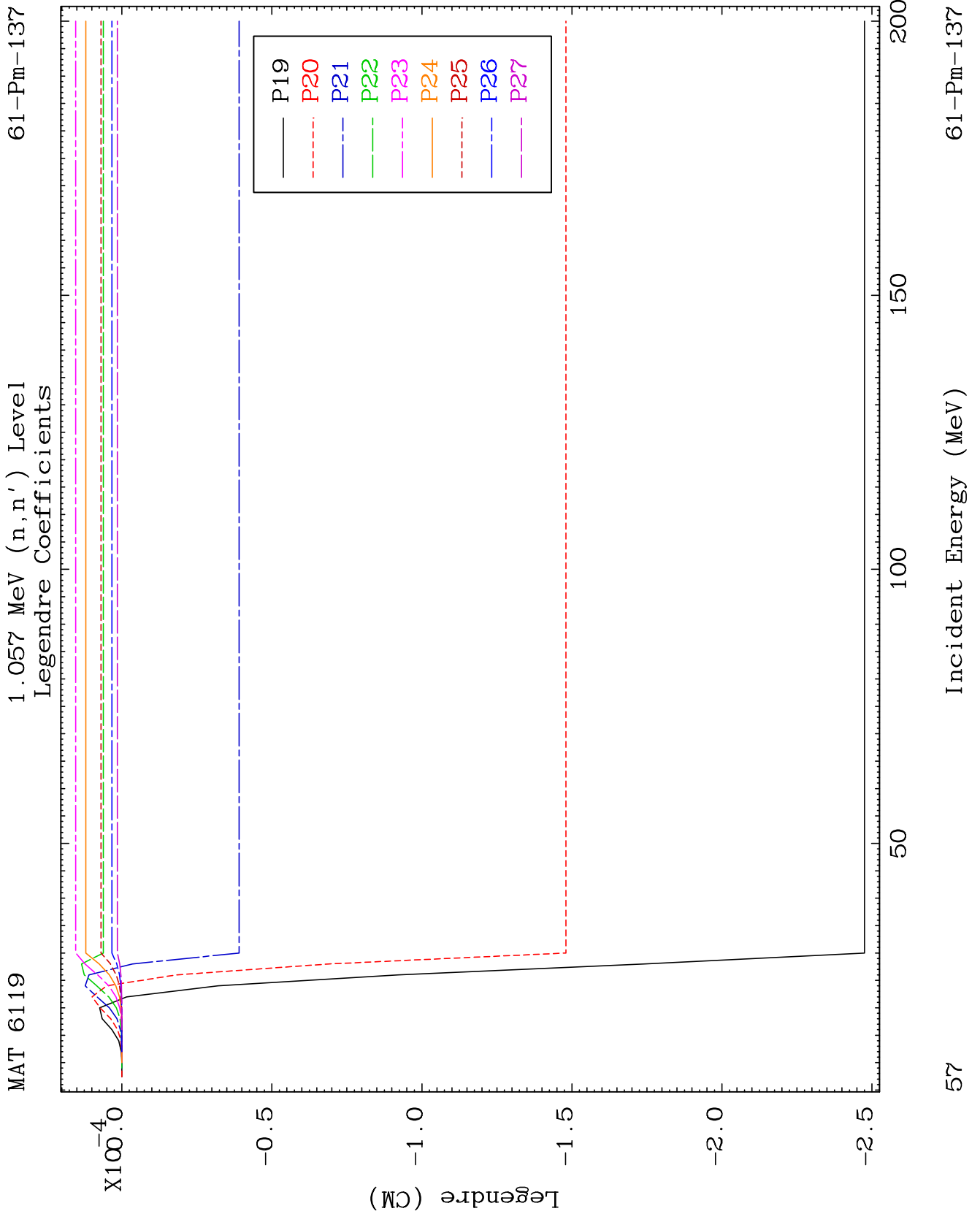
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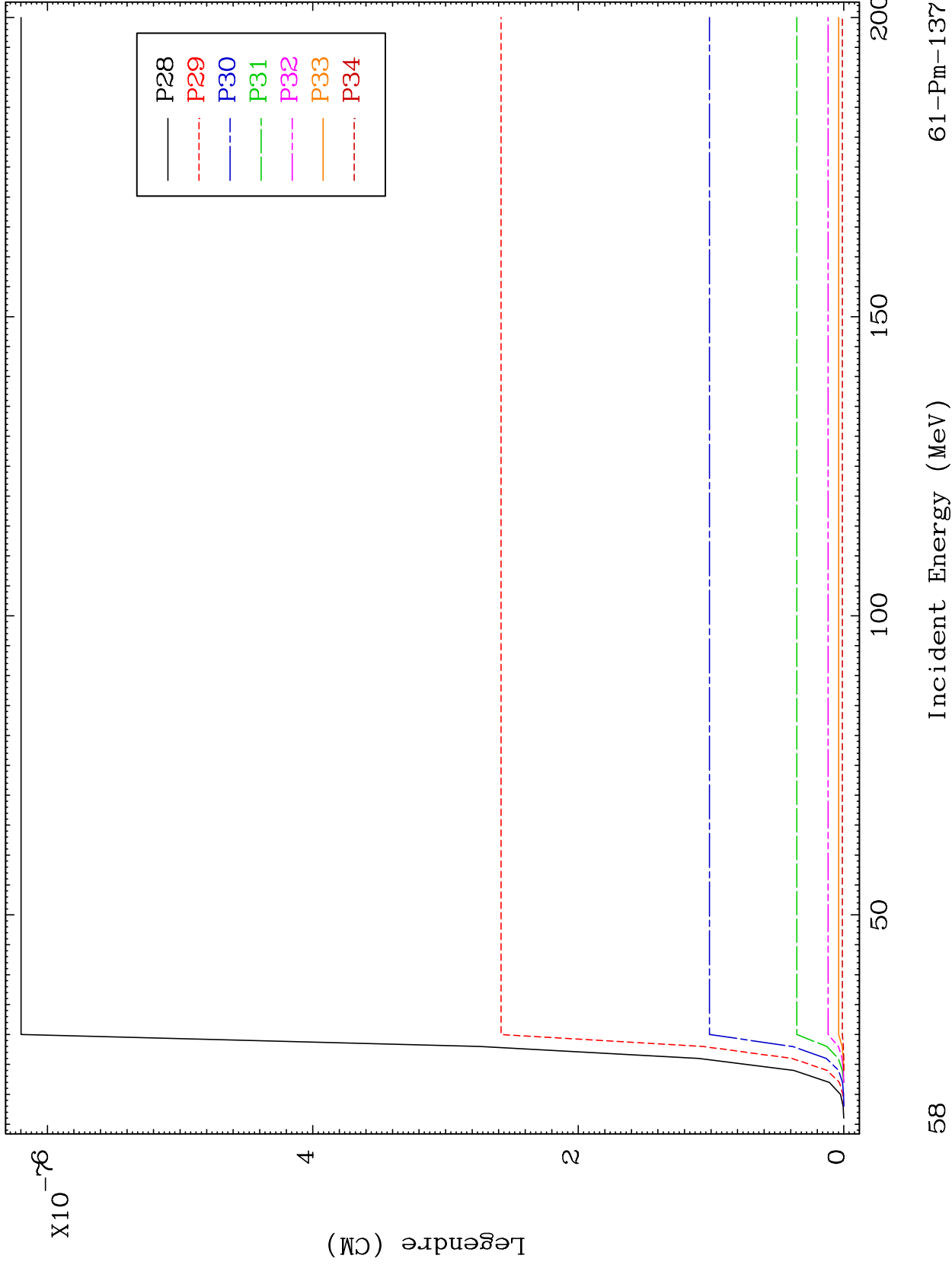




MAT 6119

1.057 MeV (n,n') Level
Legendre Coefficients

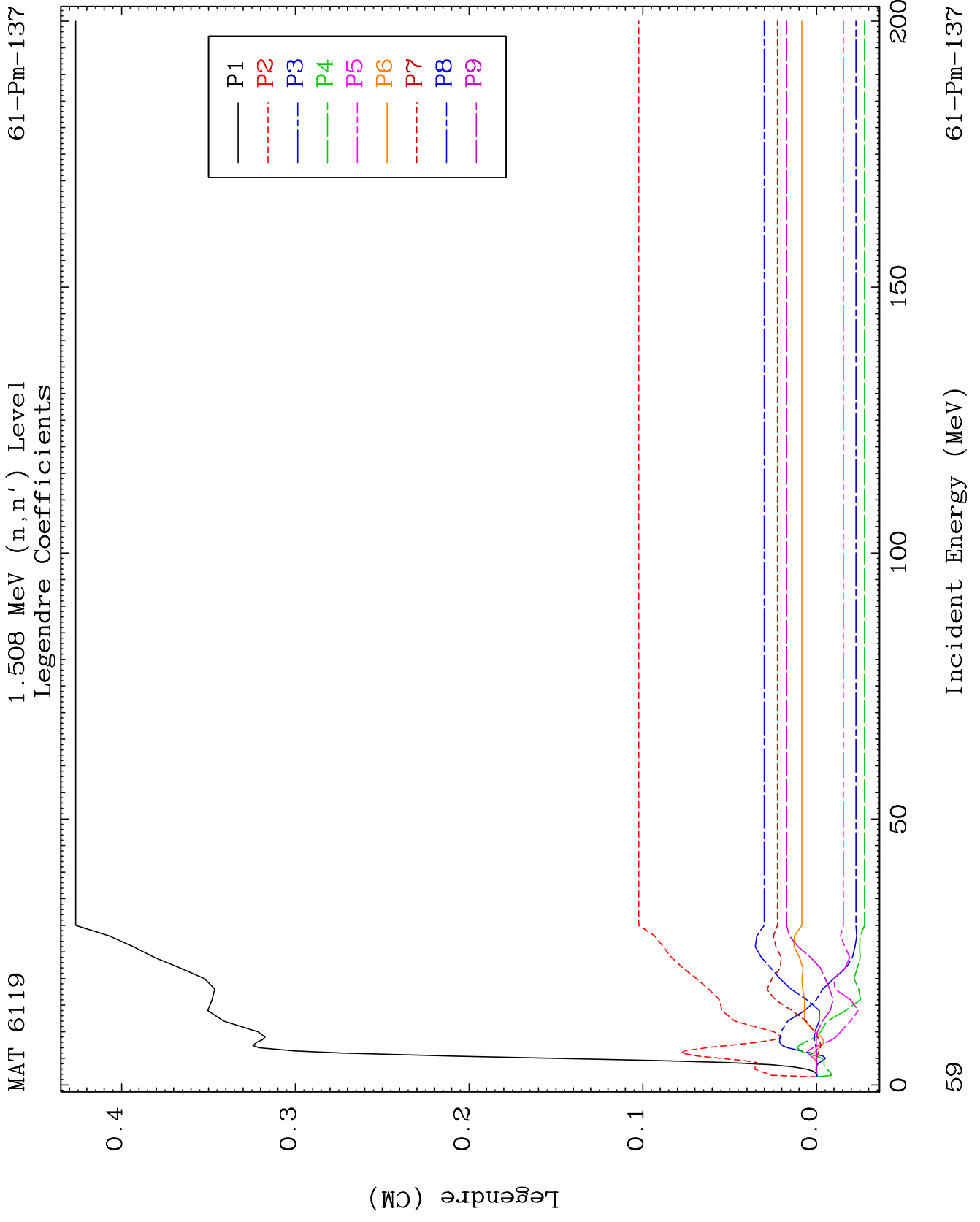
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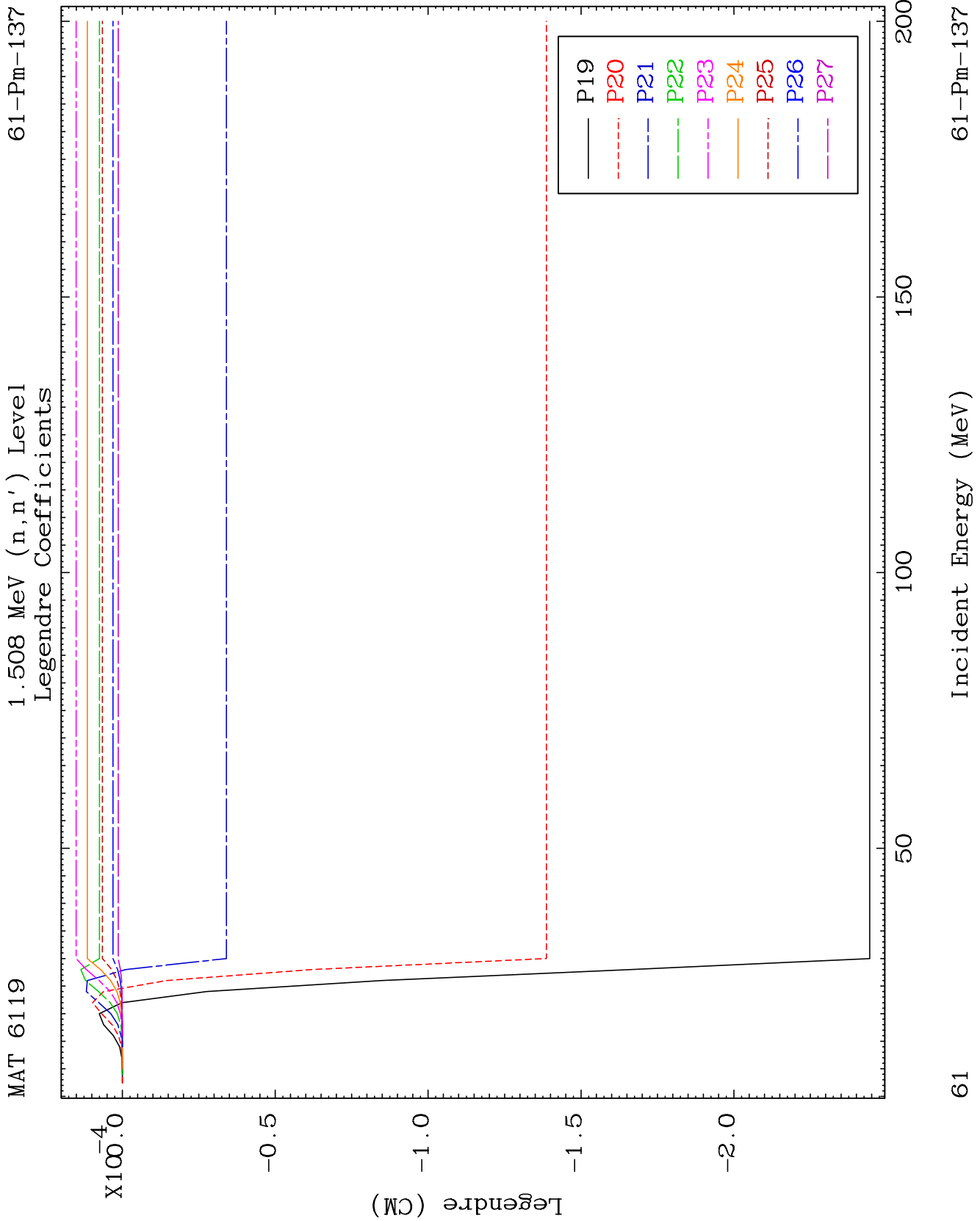


58

Incident Energy (MeV)

61-Pm-137

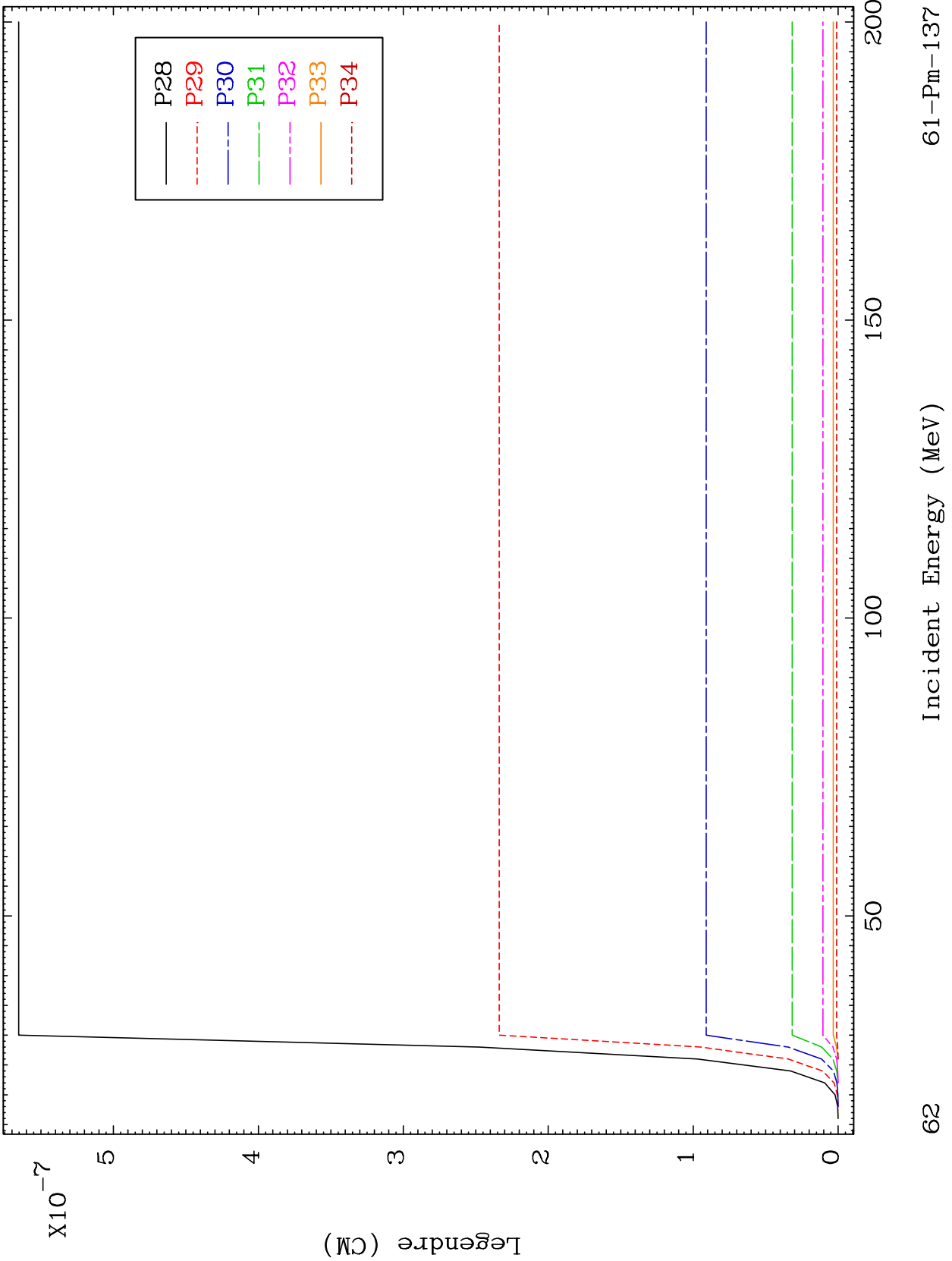




MAT 6119

1.508 MeV (n,n') Level
Legendre Coefficients

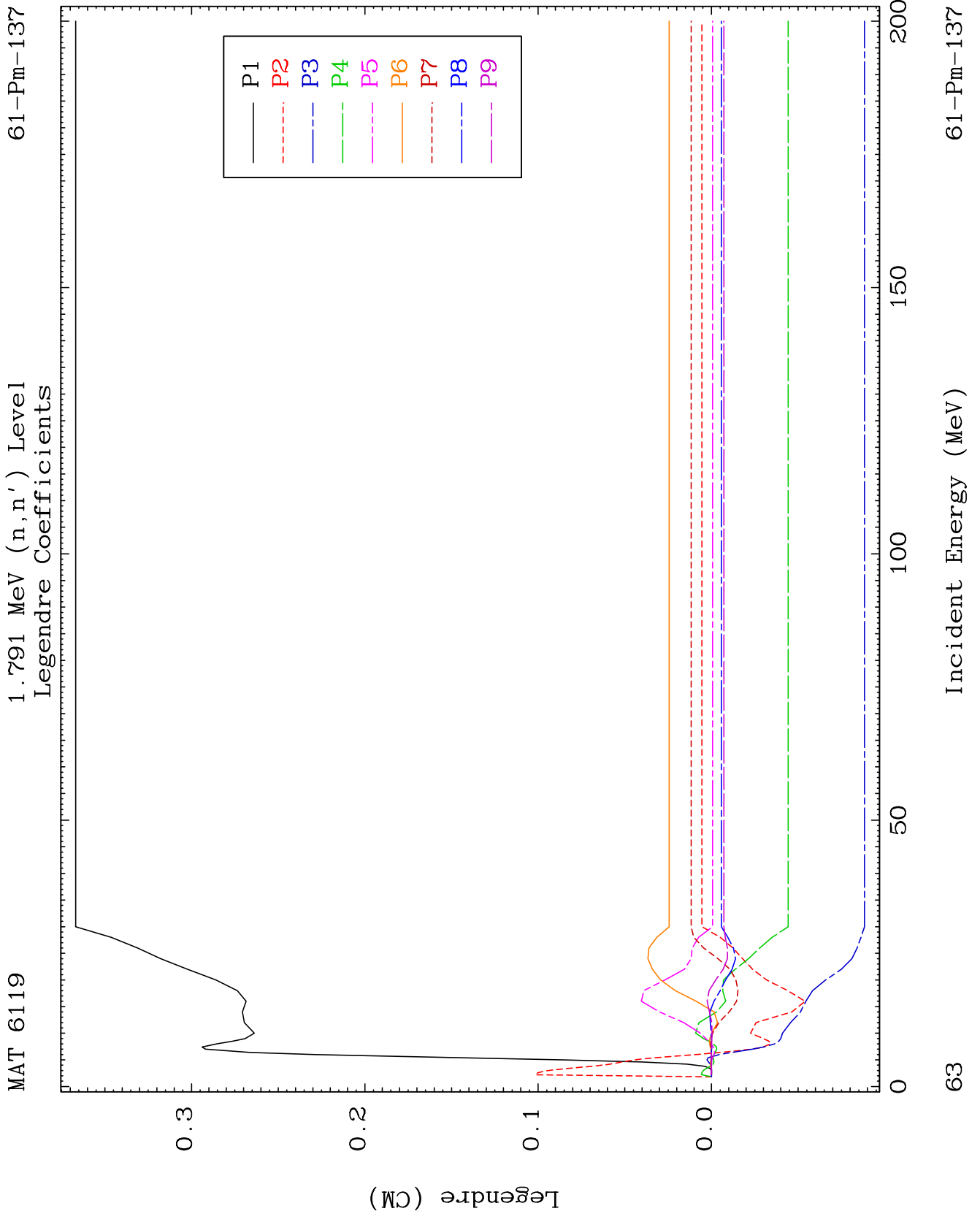
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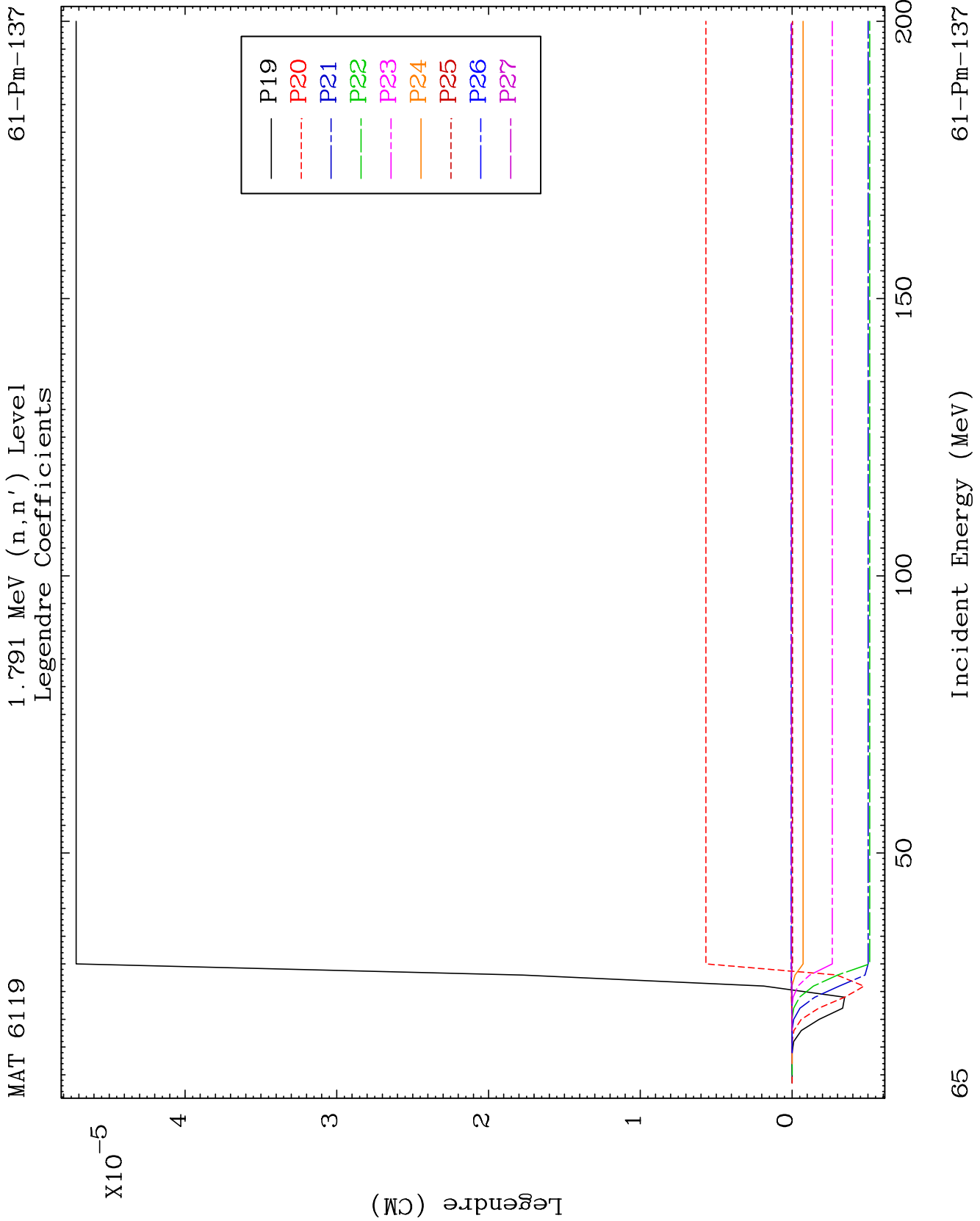


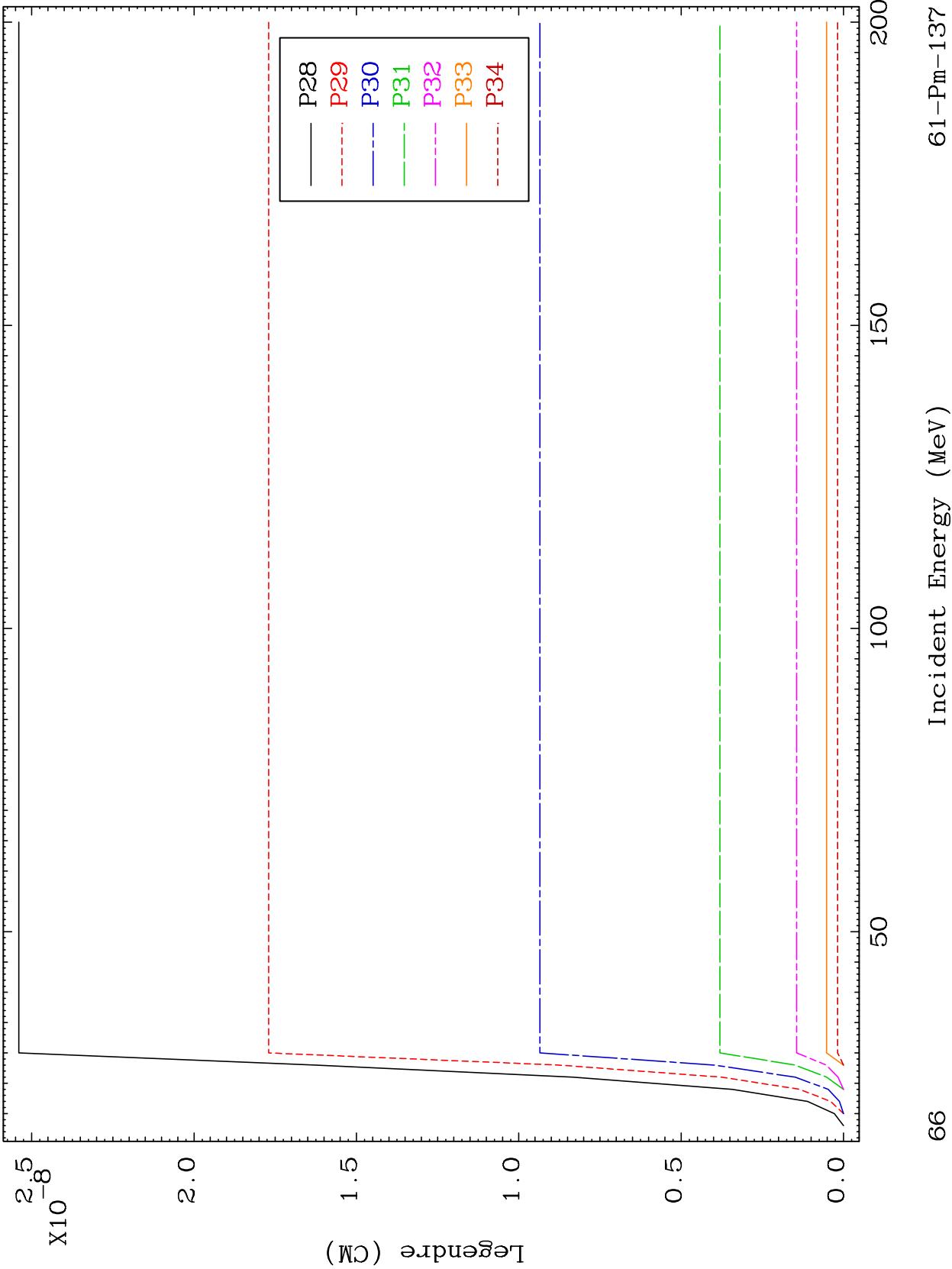
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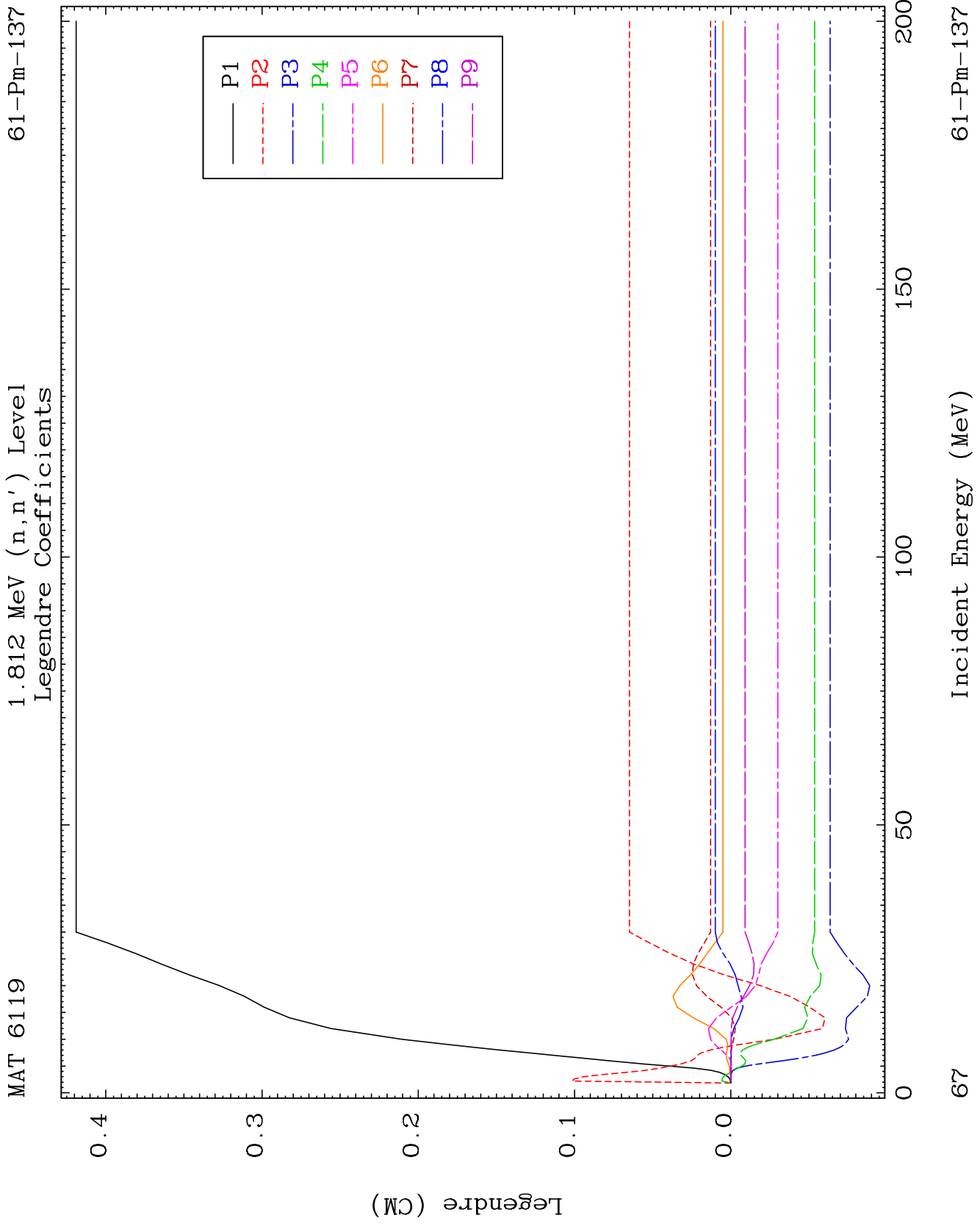
Incident Energy (MeV)

61-Pm-137





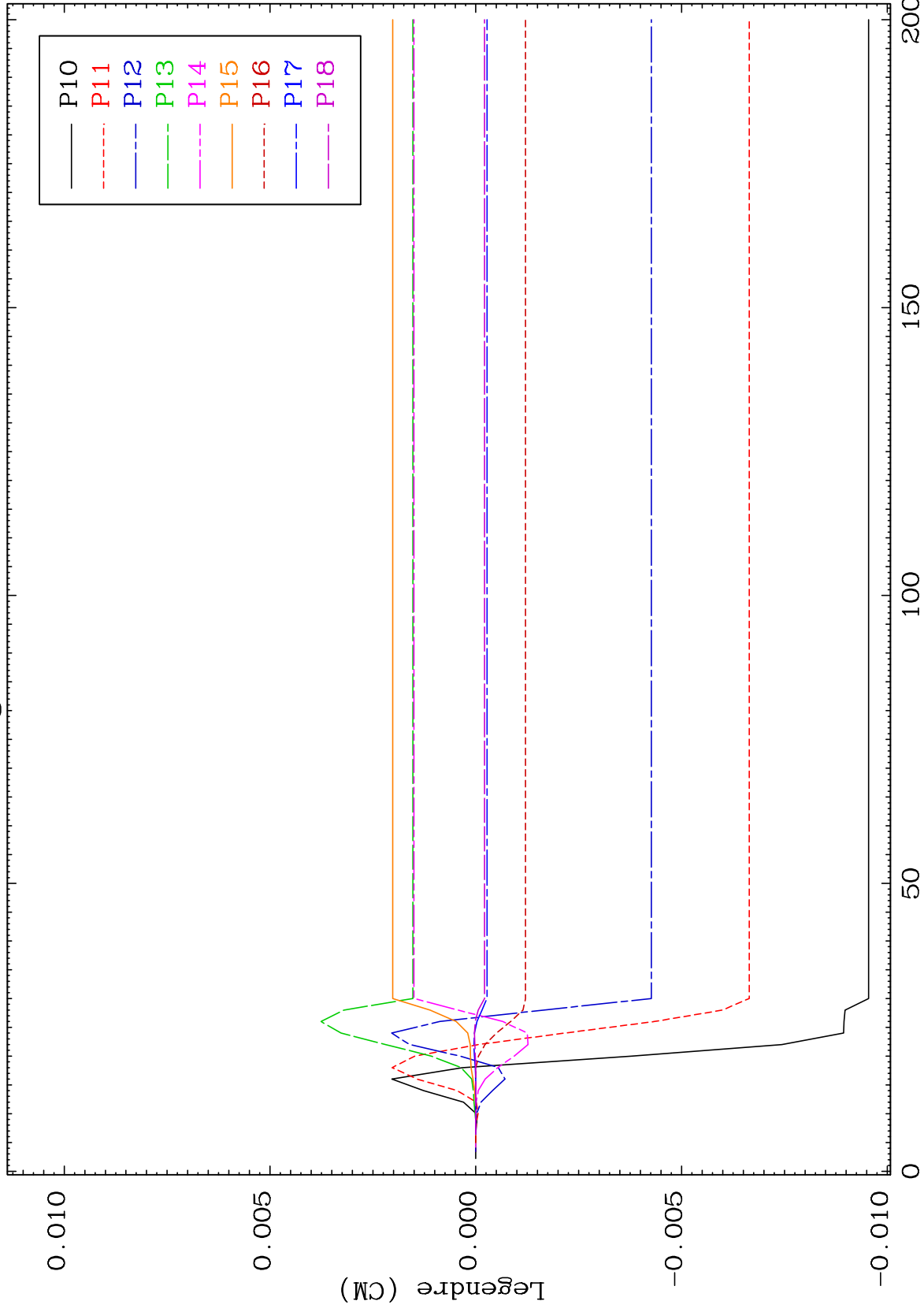




MAT 6119

1.812 MeV (n,n') Level
Legendre Coefficients

61-Pm-137



68

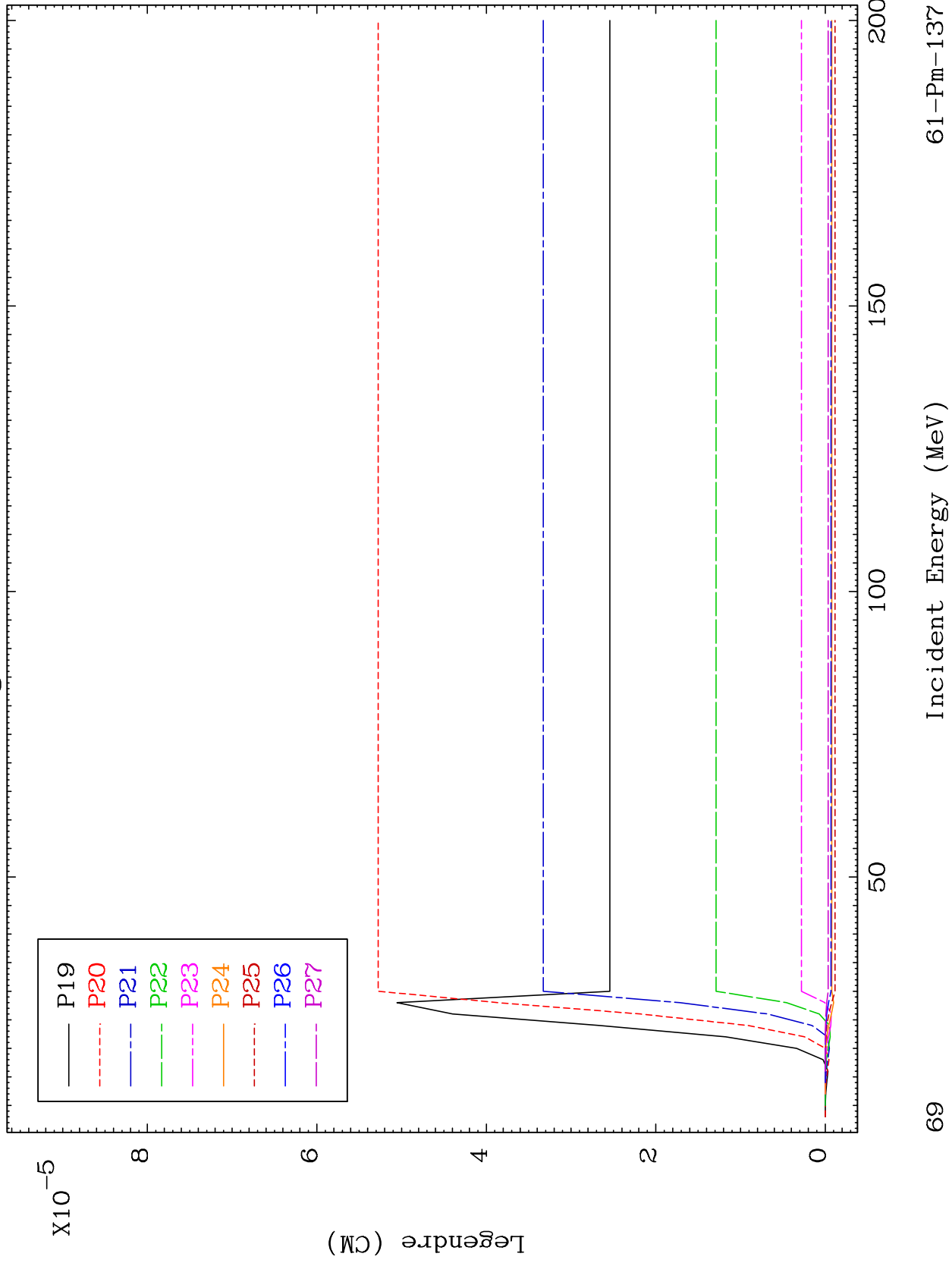
Incident Energy (MeV)

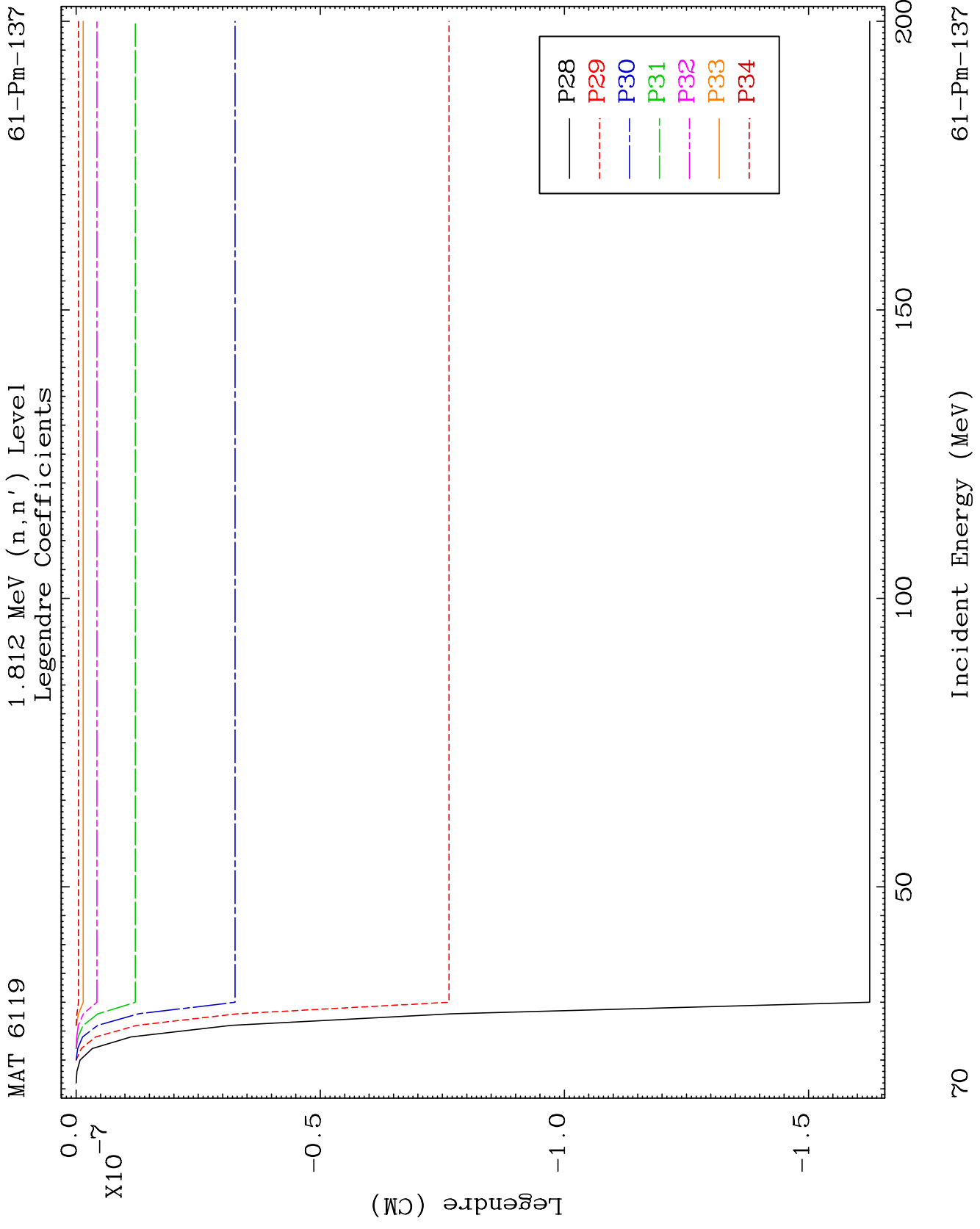
61-Pm-137

MAT 6119

1.812 MeV (n,n') Level
Legendre Coefficients

61-Pm-137

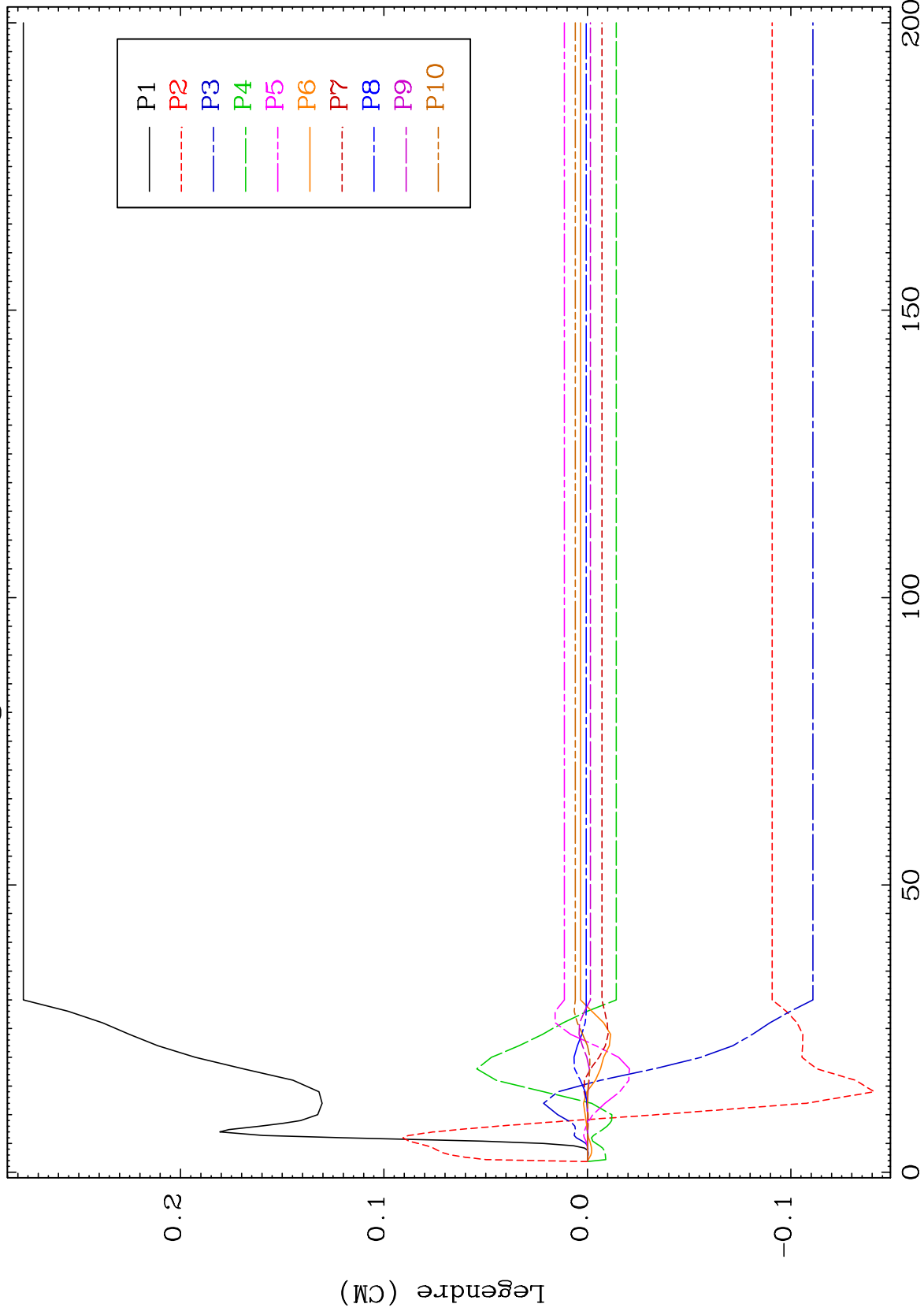




MAT 6119

1.832 MeV (n,n') Level
Legendre Coefficients

61-Pm-137



71

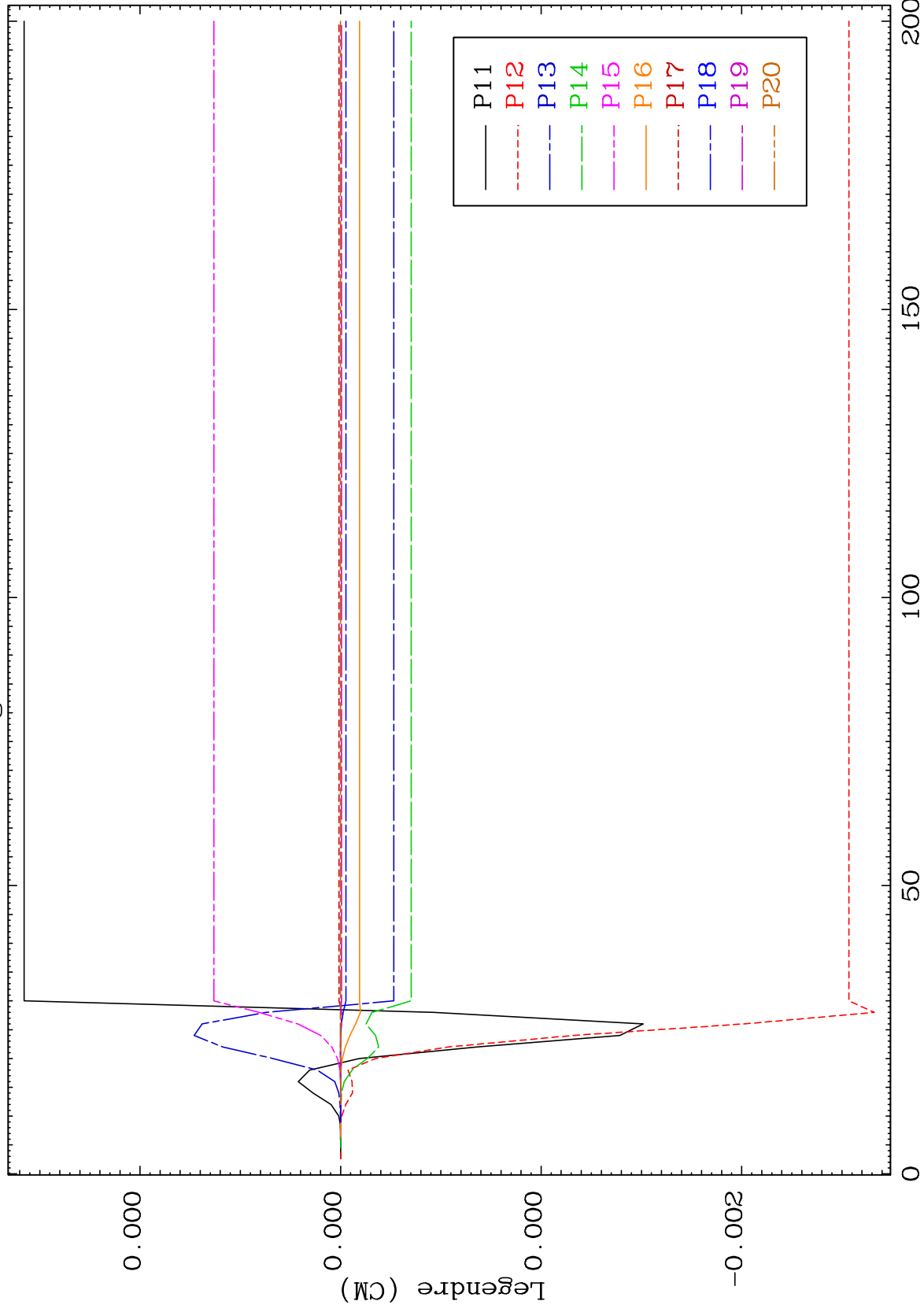
Incident Energy (MeV)

61-Pm-137

MAT 6119

1.832 MeV (n,n') Level
Legendre Coefficients

61-Pm-137



72

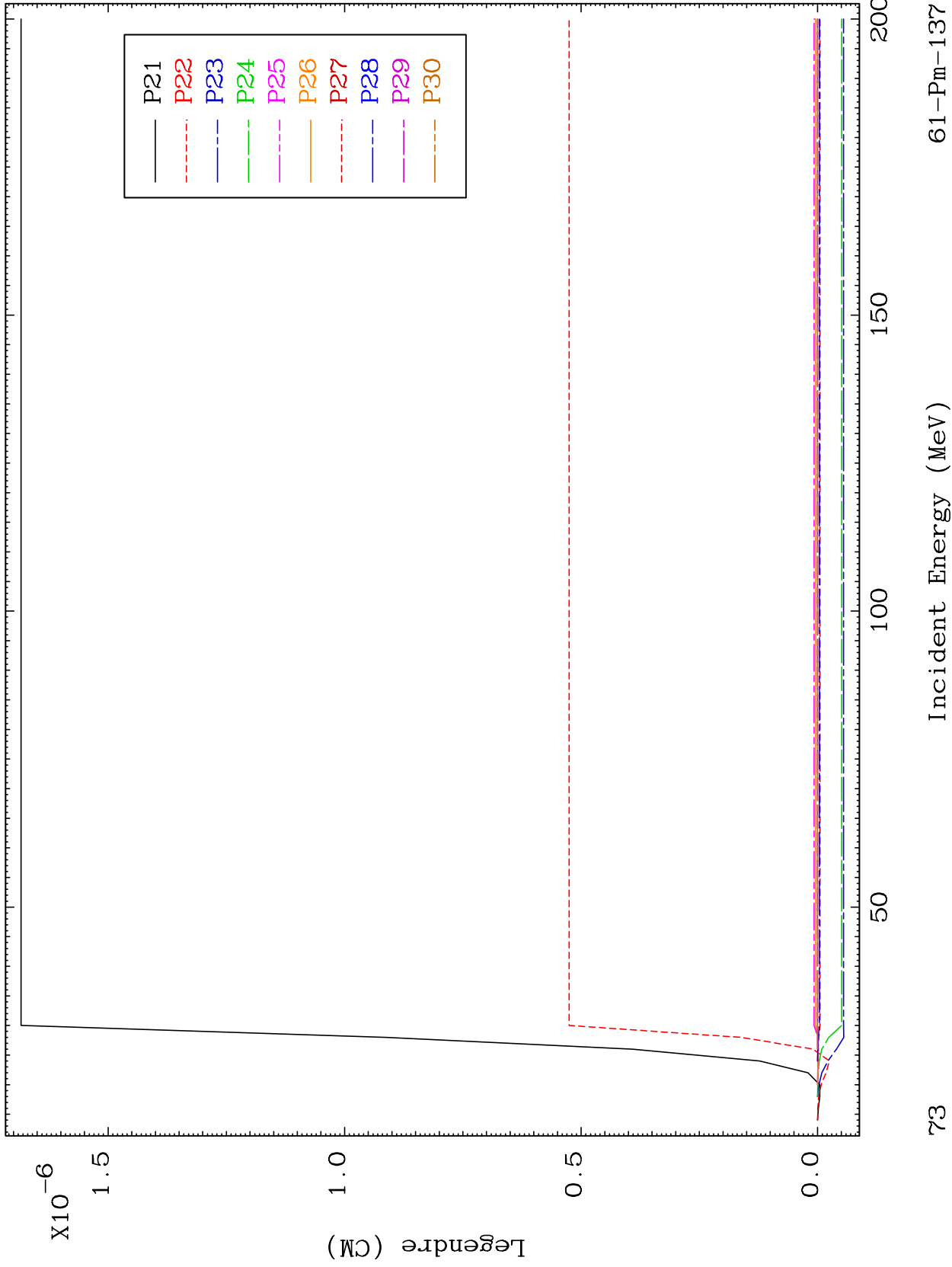
Incident Energy (MeV)

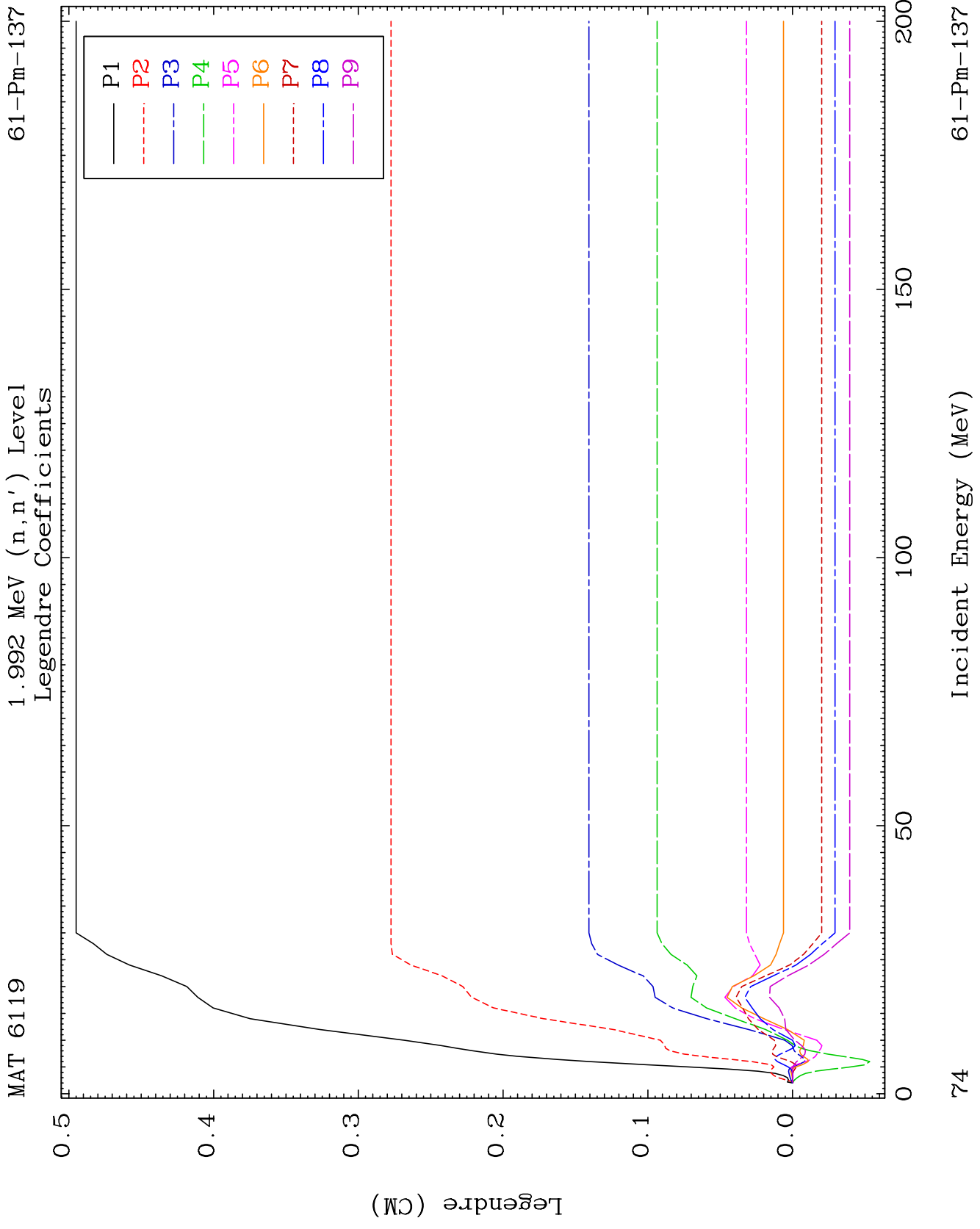
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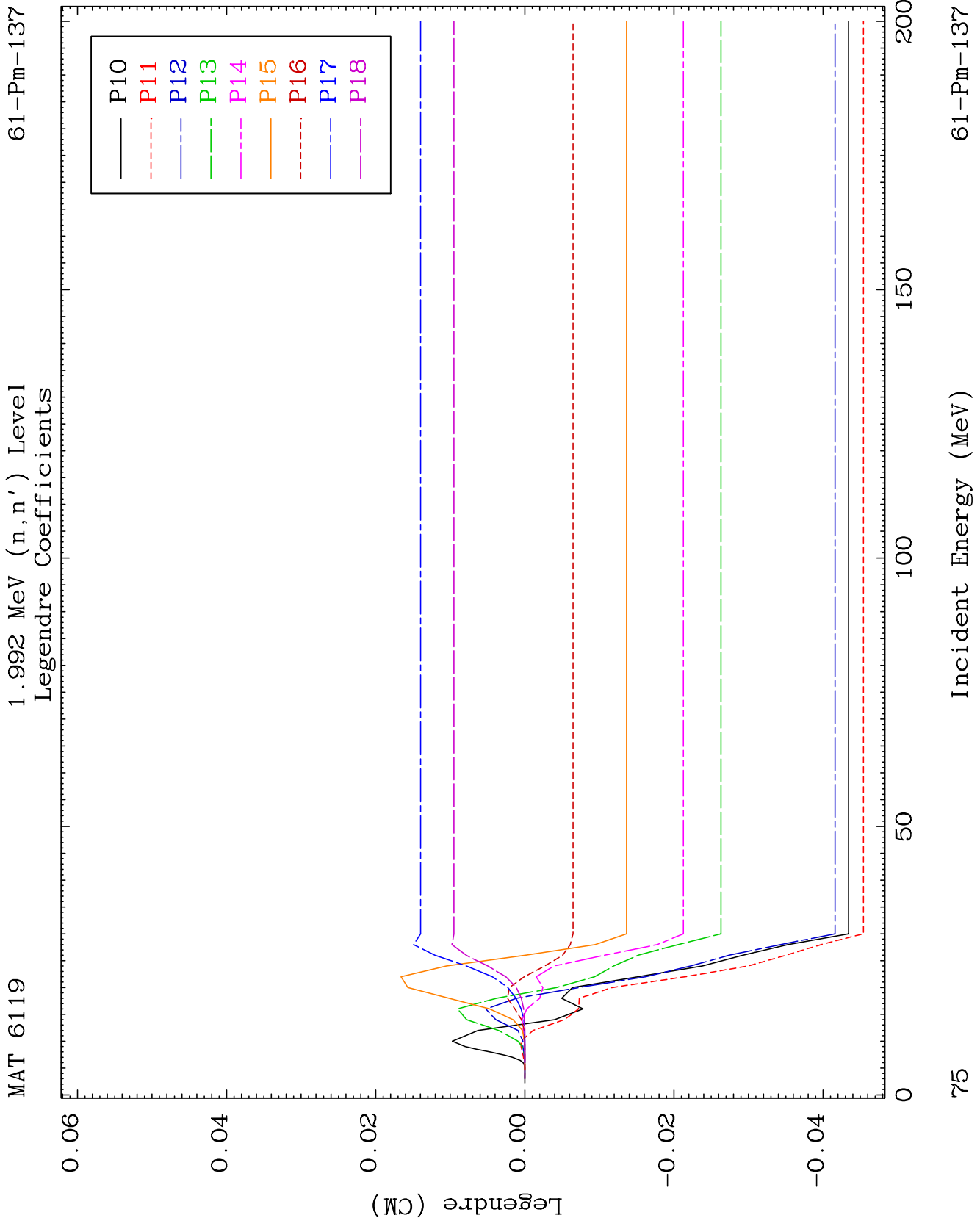
MAT 6119

1.832 MeV (n,n') Level
Legendre Coefficients

61-Pm-137



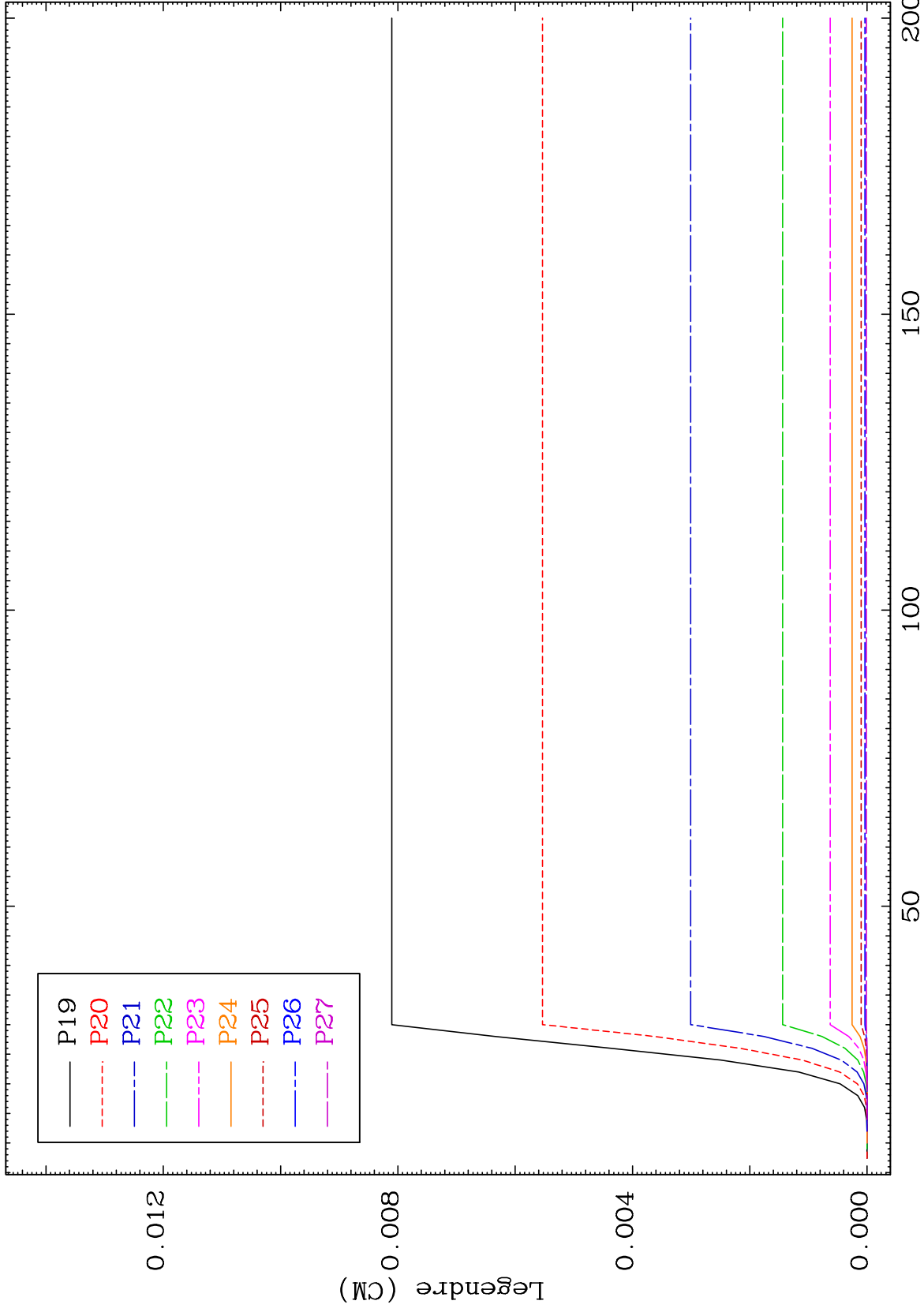




MAT 6119

1.992 MeV (n,n') Level
Legendre Coefficients

61-Pm-137



76

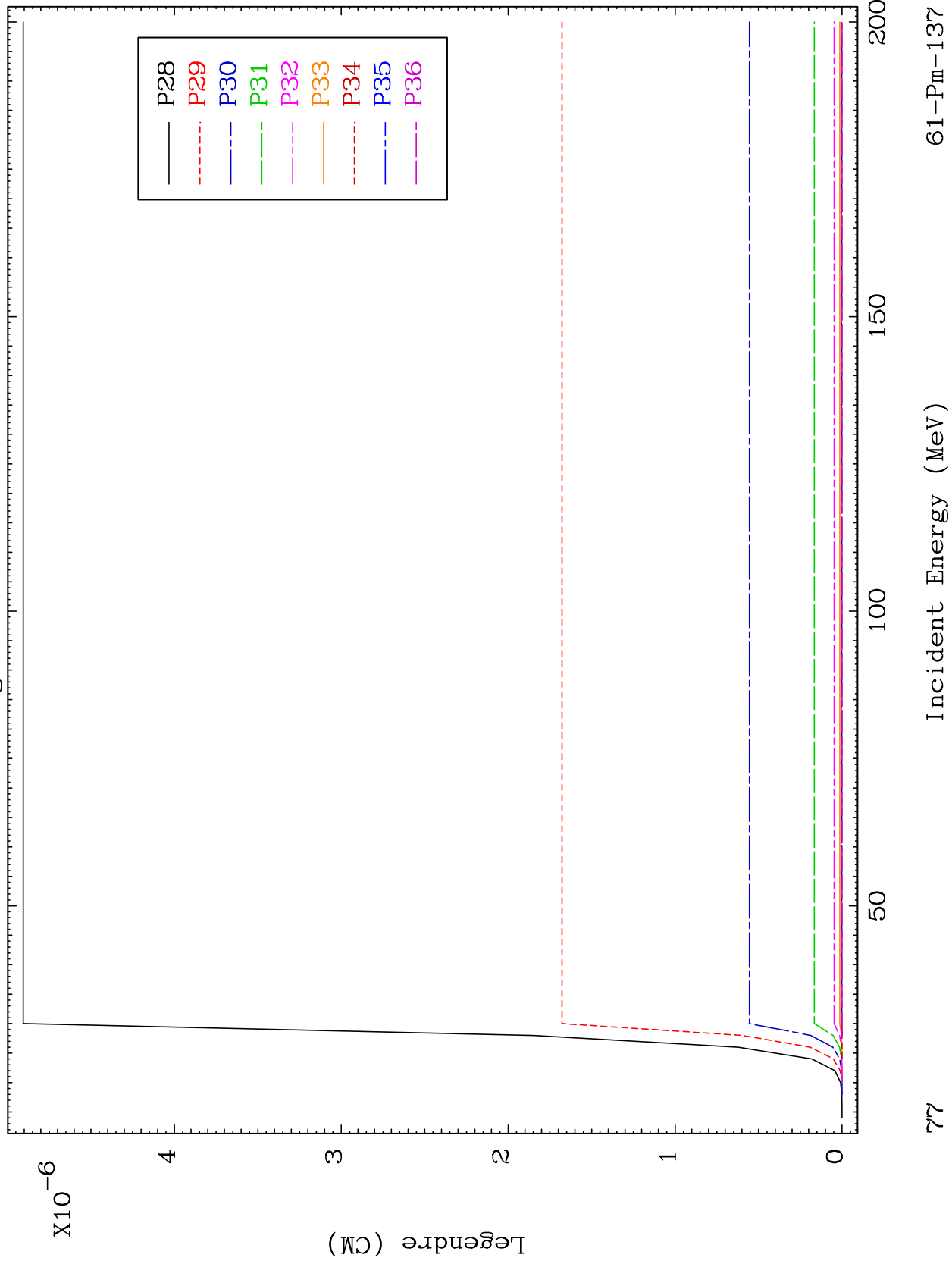
Incident Energy (MeV)

61-Pm-137

MAT 6119

1.992 MeV (n, n') Level
Legendre Coefficients

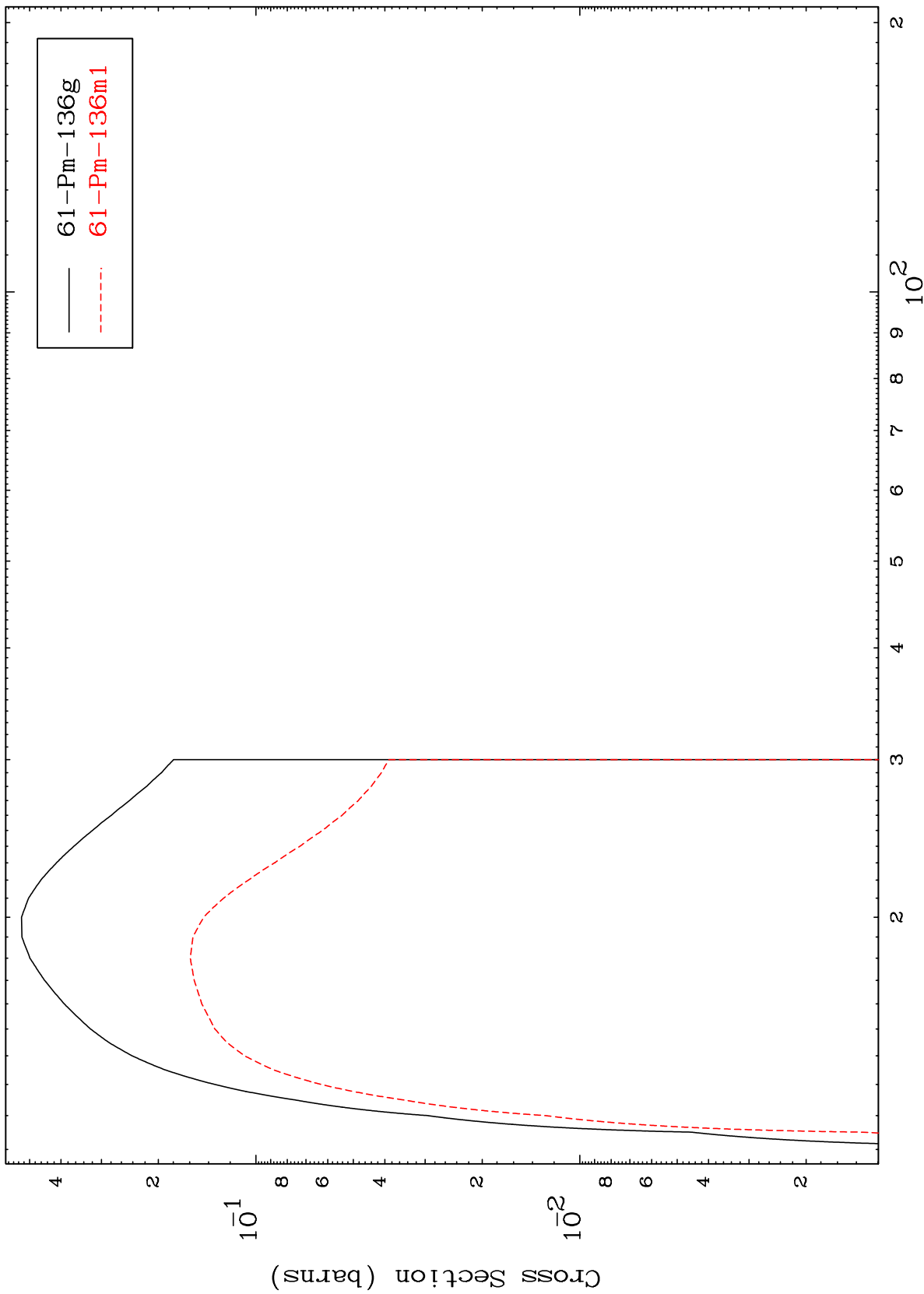
61-Pm-137



MAT 6119

61-Pm-137

(n,2n)
Radionuclide Production Cross Section



61-Pm-136g
61-Pm-136m1

78

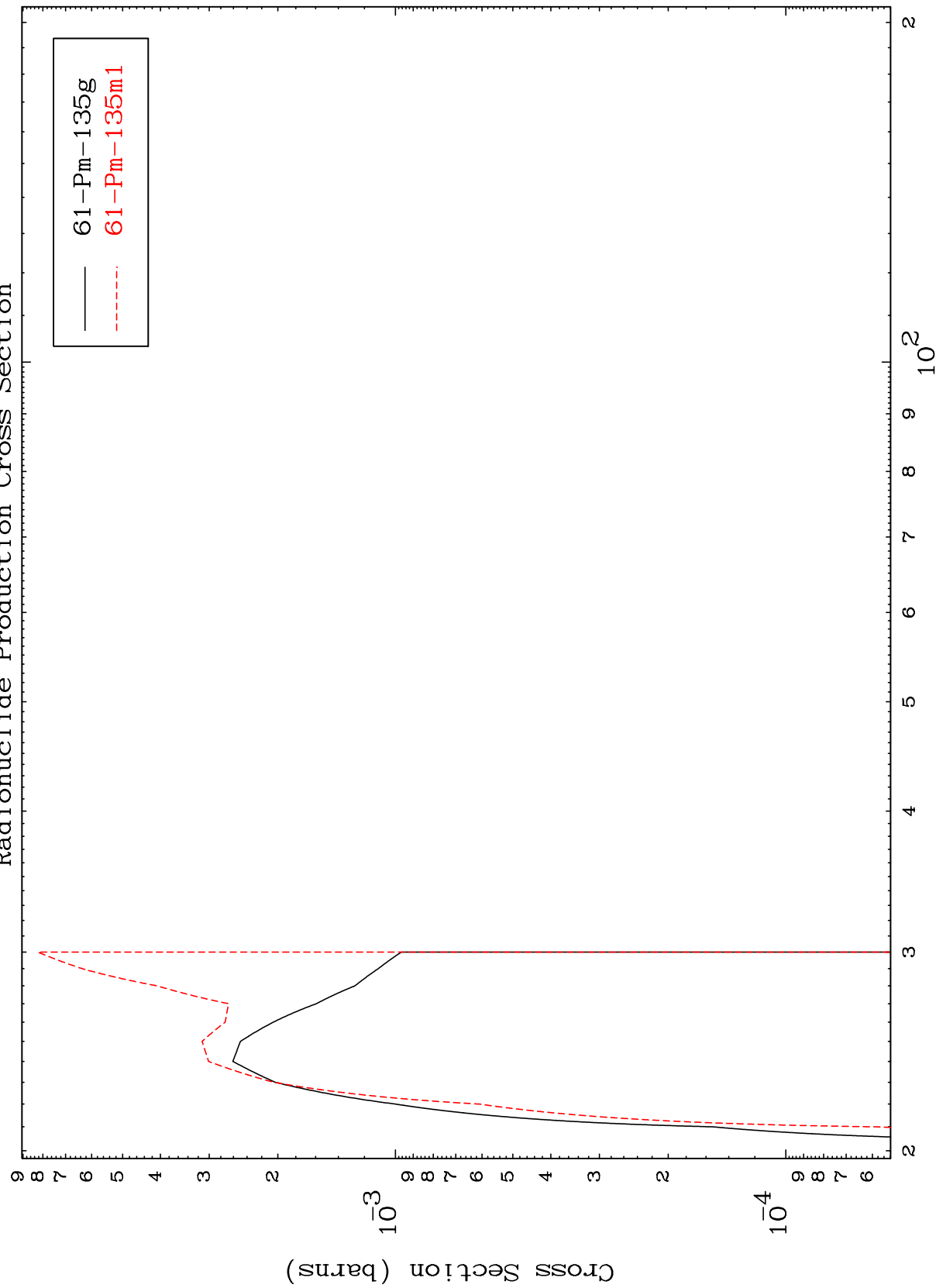
Incident Energy (MeV)

61-Pm-137

MAT 6119

61-Pm-137

(n,3n)
Radionuclide Production Cross Section



61-Pm-135g
61-Pm-135m1

61-Pm-137

Incident Energy (MeV)

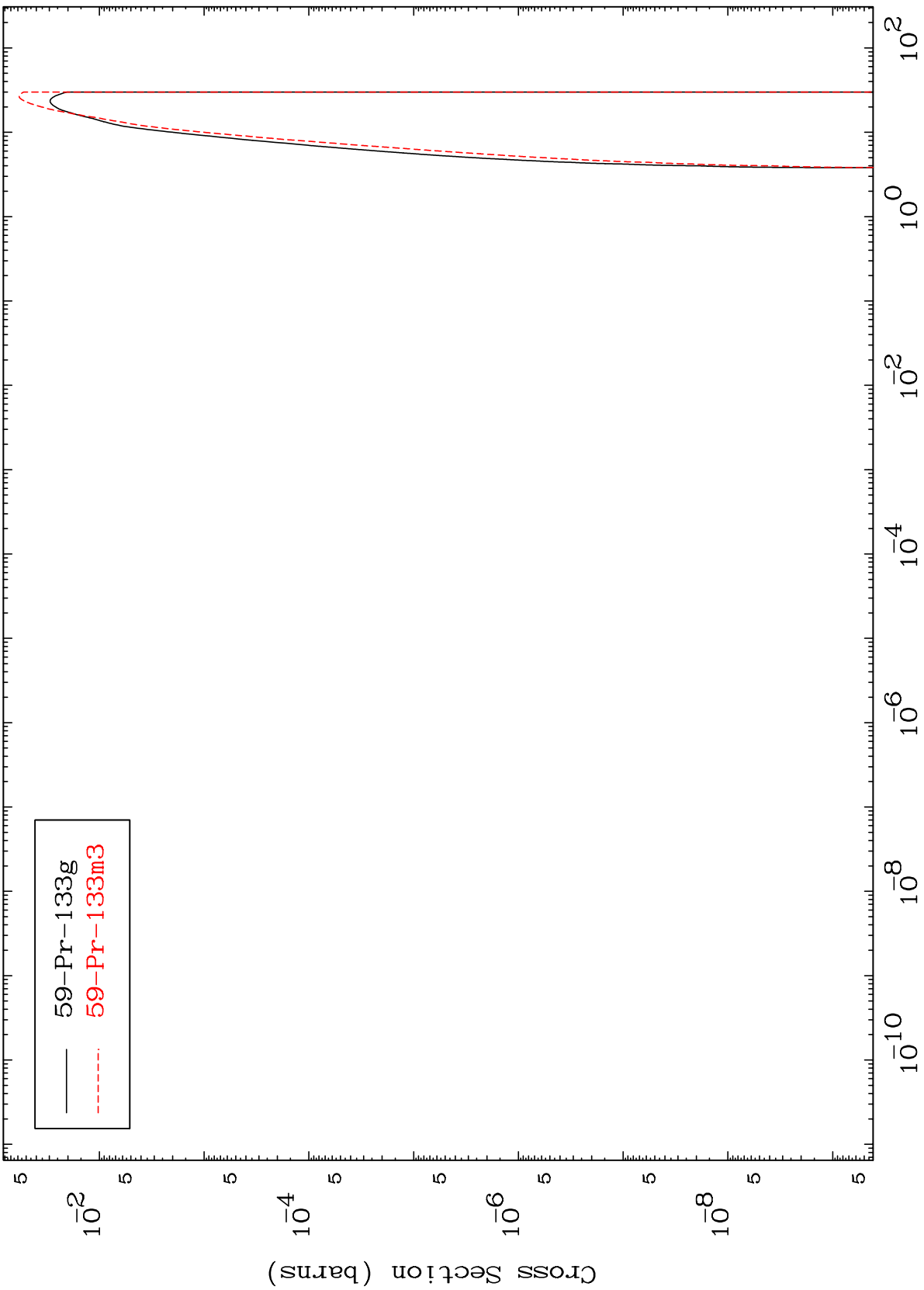
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MAT 6119

$(n, n') \alpha$

61-Pm-137

Radionuclide Production Cross Section

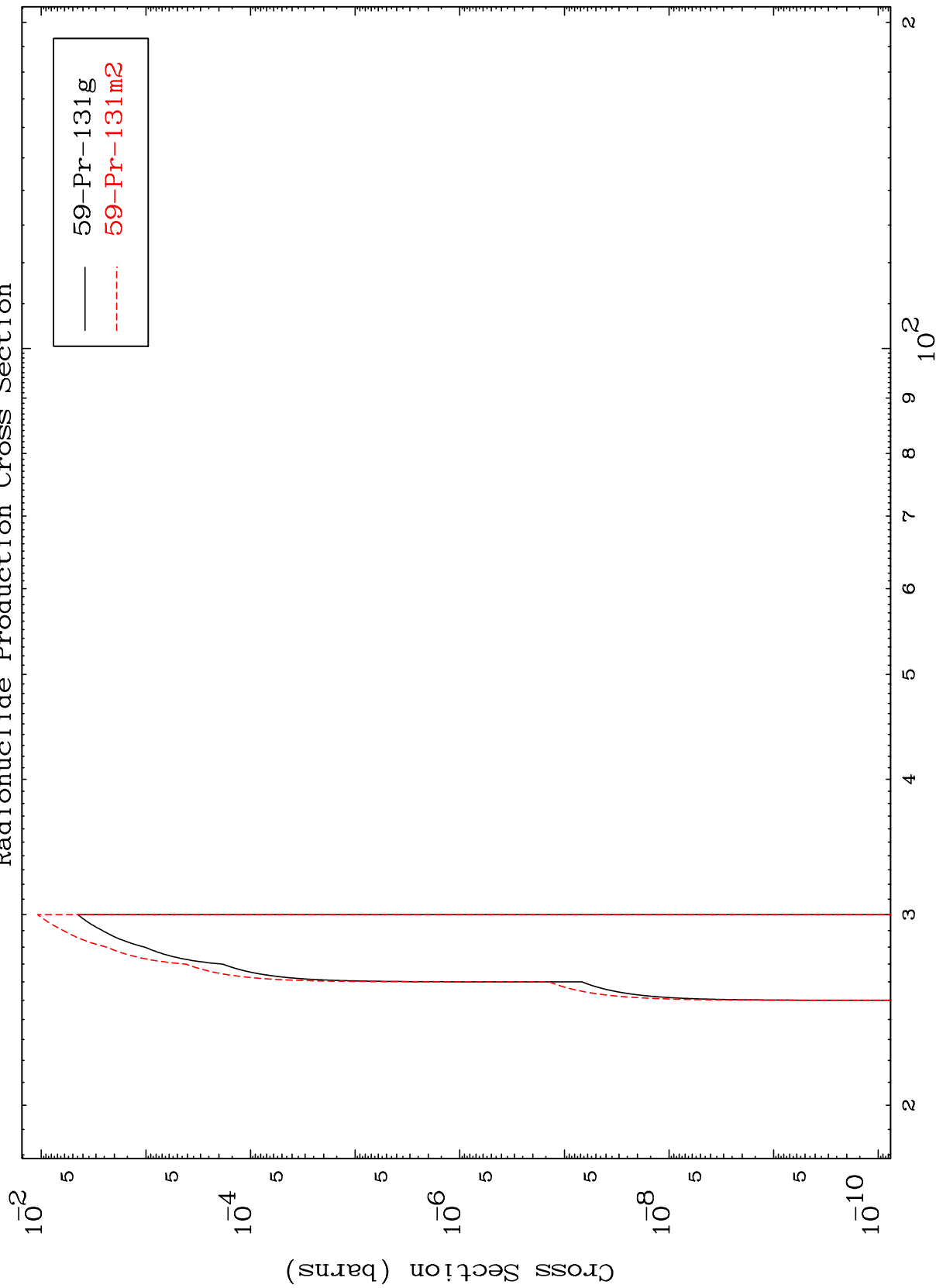


MAT 6119

(n,3n) α

61-Pm-137

Radionuclide Production Cross Section



81

Incident Energy (MeV)

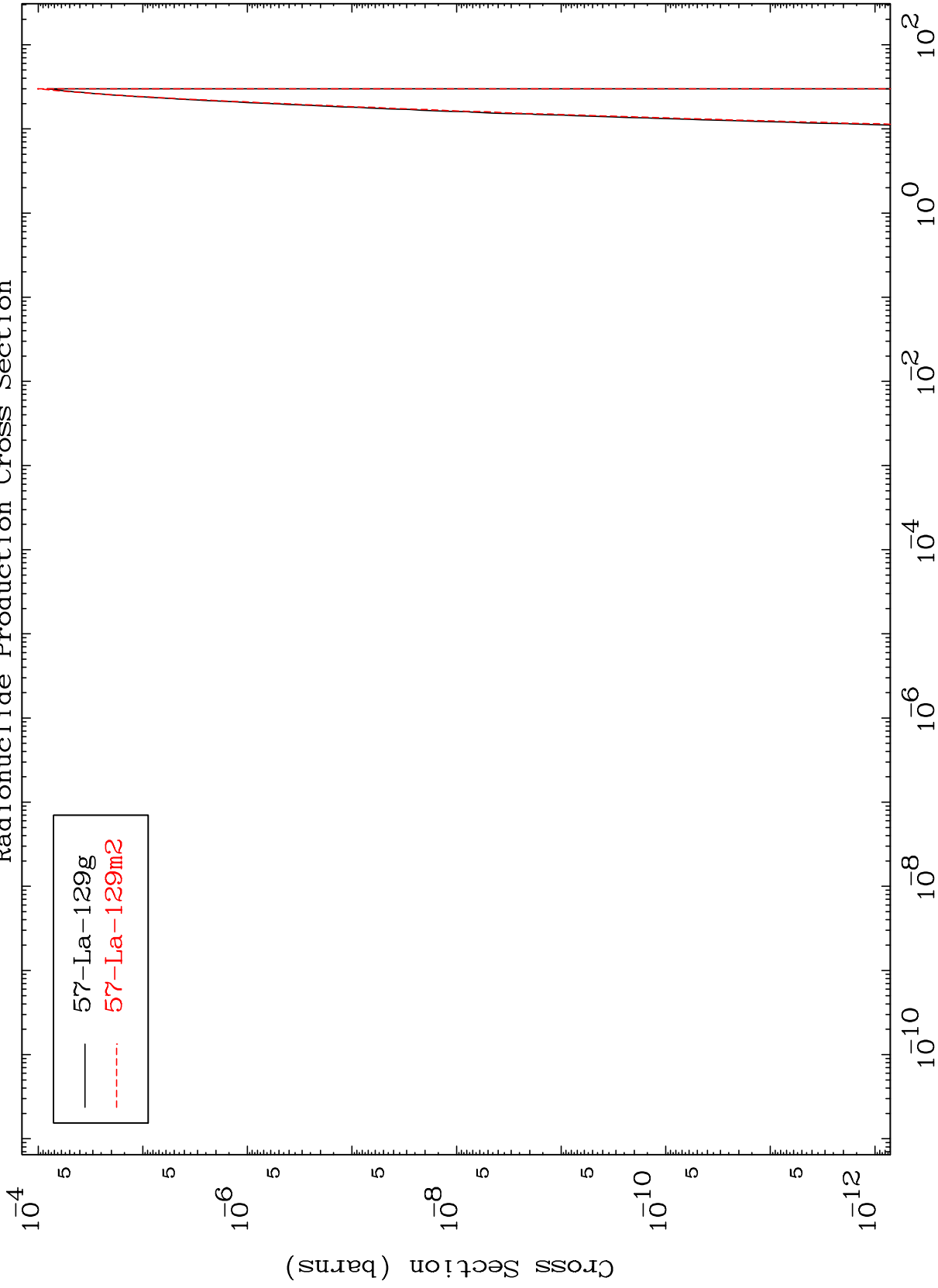
61-Pm-137

MAT 6119

(n,n') 2 α

61-Pm-137

Radionuclide Production Cross Section



82

Incident Energy (MeV)

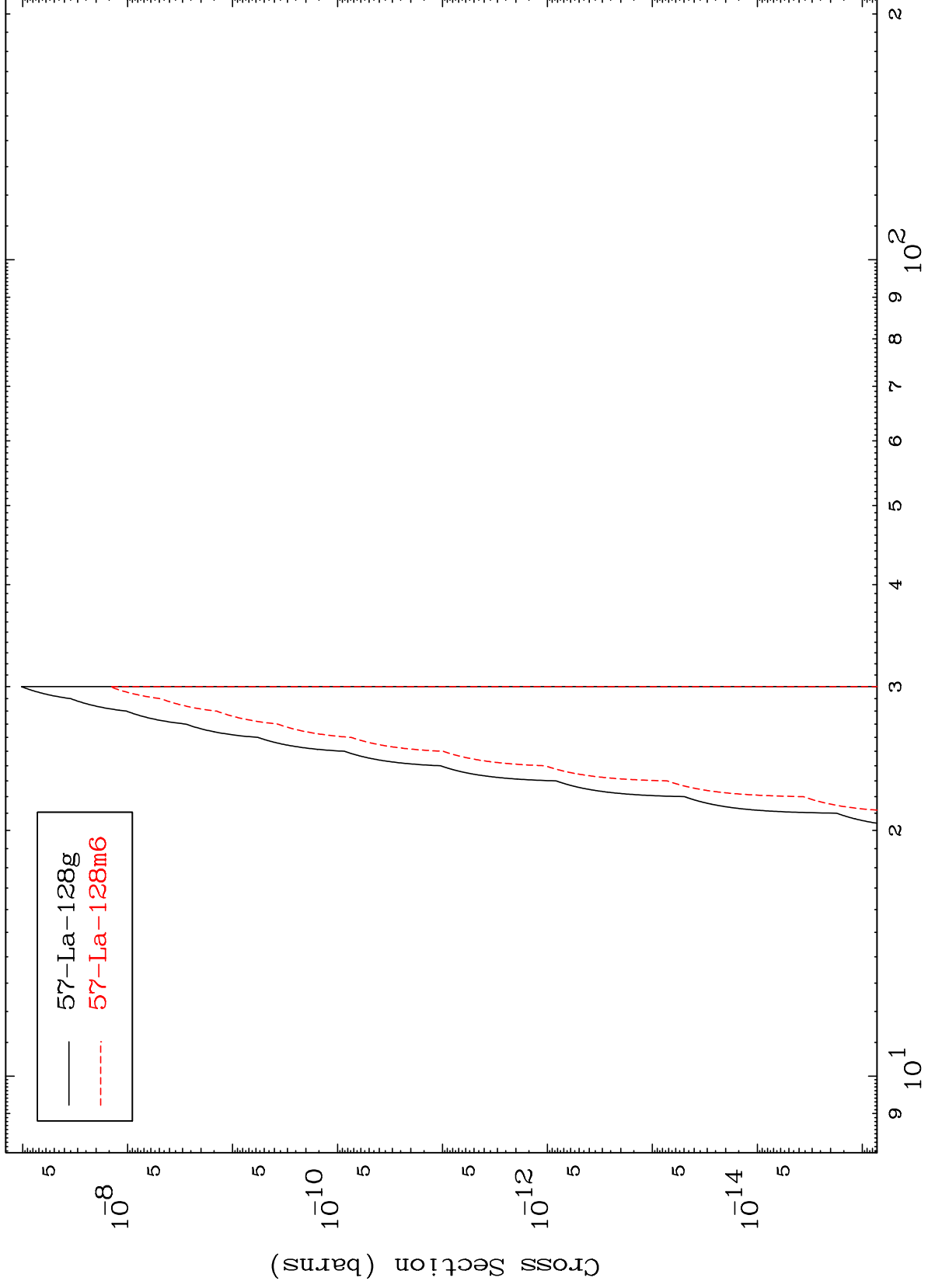
61-Pm-137

MAT 6119

(n,2n) 2α

61-Pm-137

Radionuclide Production Cross Section



57-La-128g
57-La-128m6

83

Incident Energy (MeV)

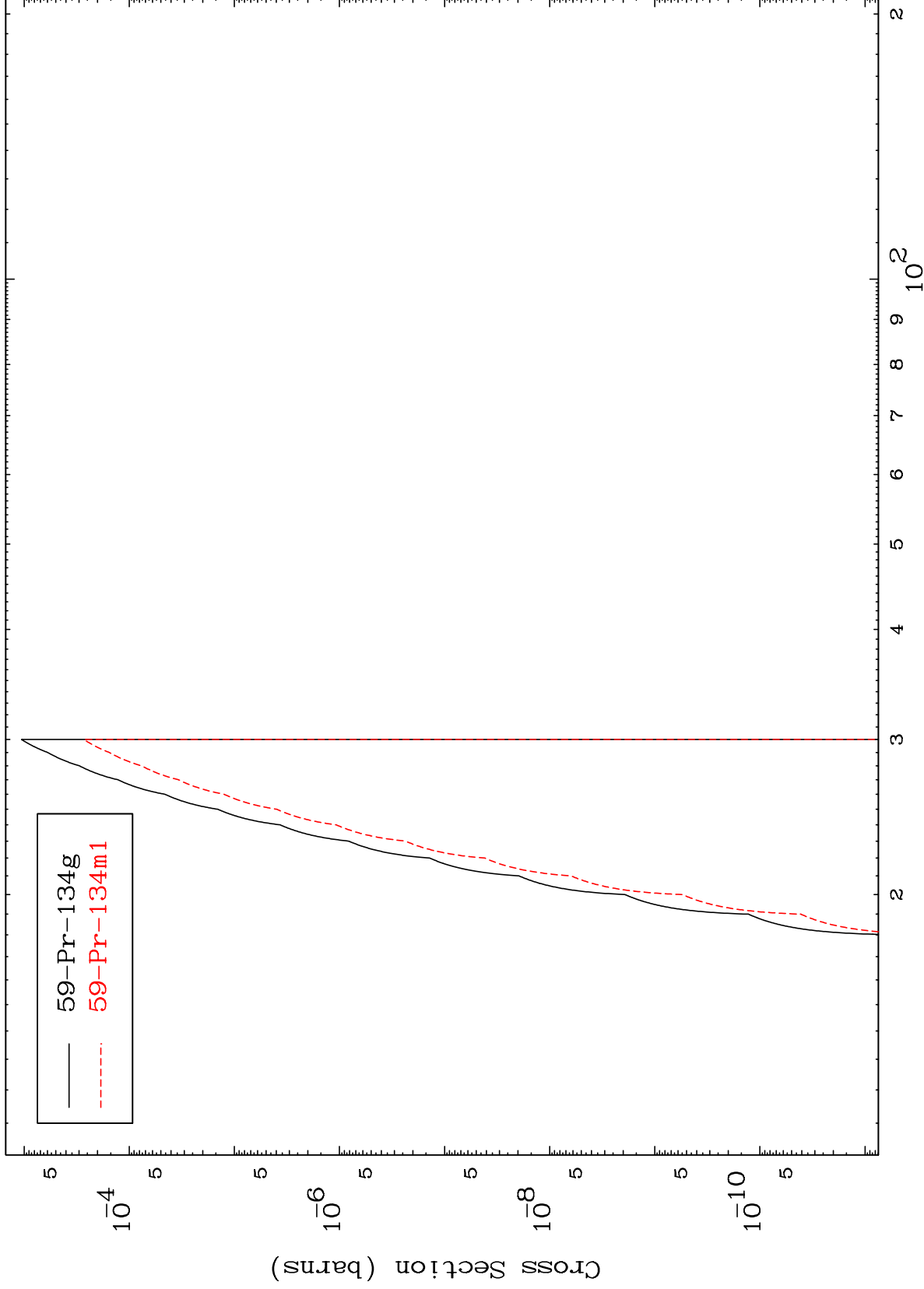
61-Pm-137

MAT 6119

(n,n') He-3

61-Pm-137

Radionuclide Production Cross Section



84

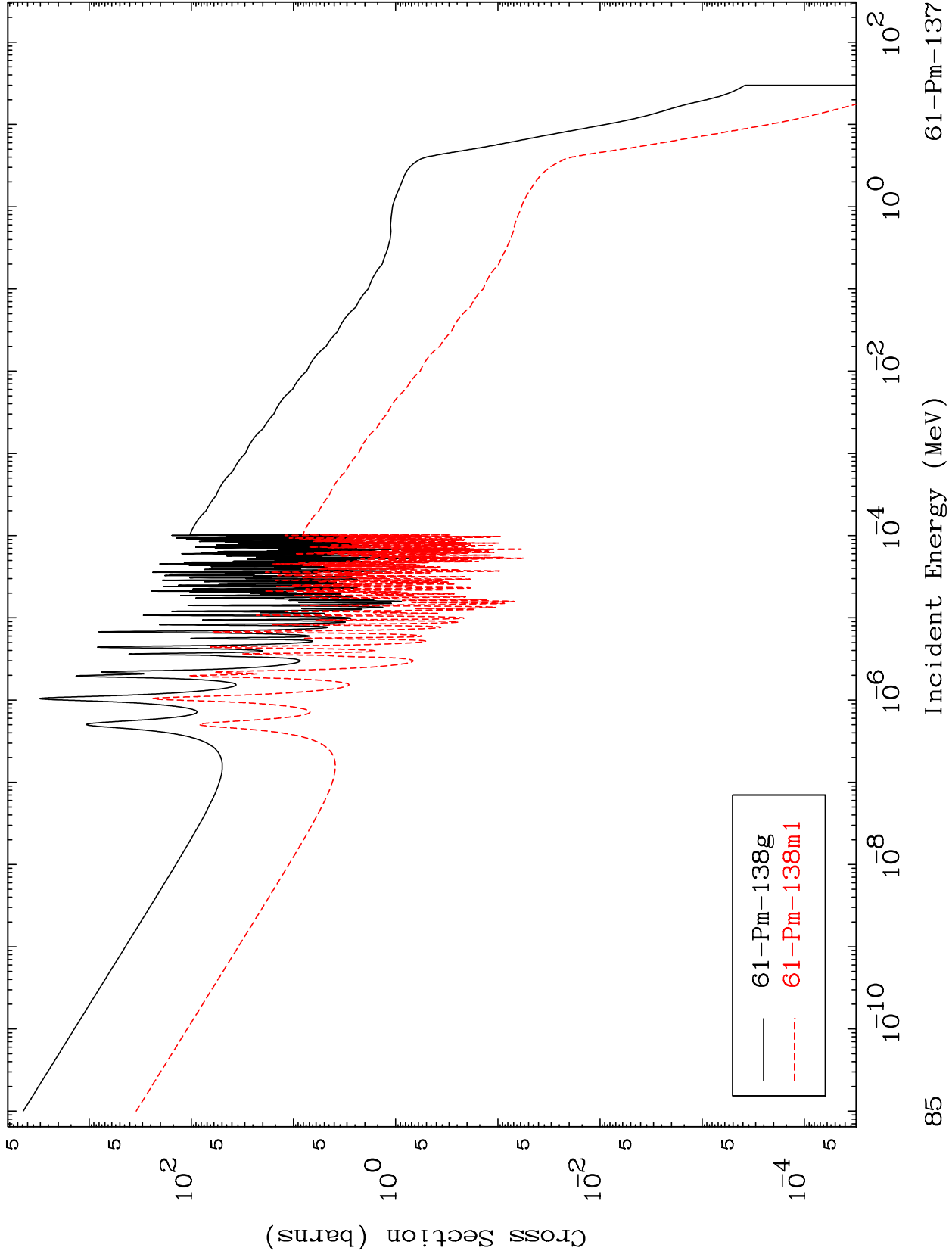
Incident Energy (MeV)

61-Pm-137

MAT 6119

61-Pm-137

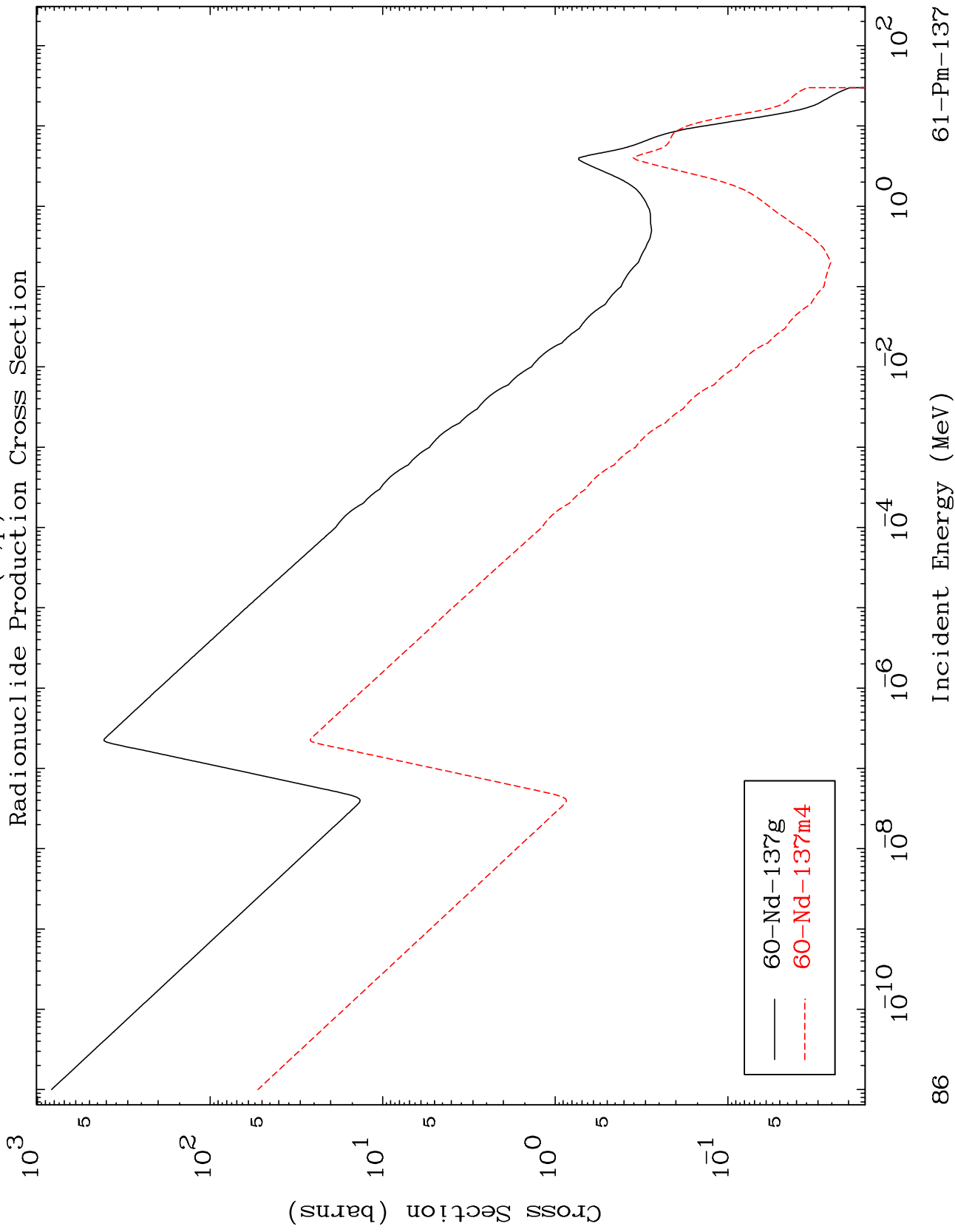
(n, γ)
Radionuclide Production Cross Section



MAT 6119

61-Pm-137

(n,p)
Radionuclide Production Cross Section



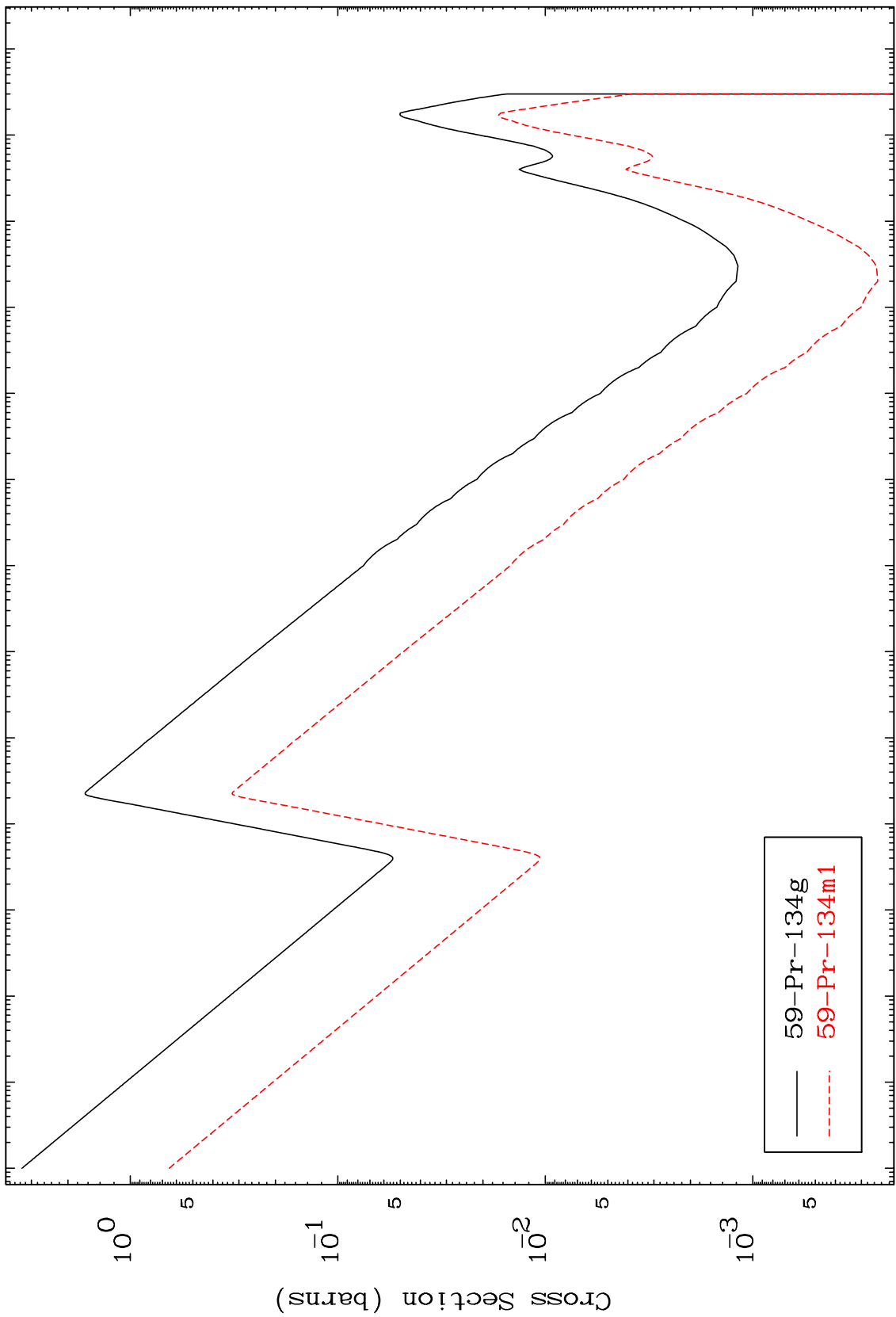
86

MAT 6119

61-Pm-137

Radionuclide Production Cross Section

(n, α)



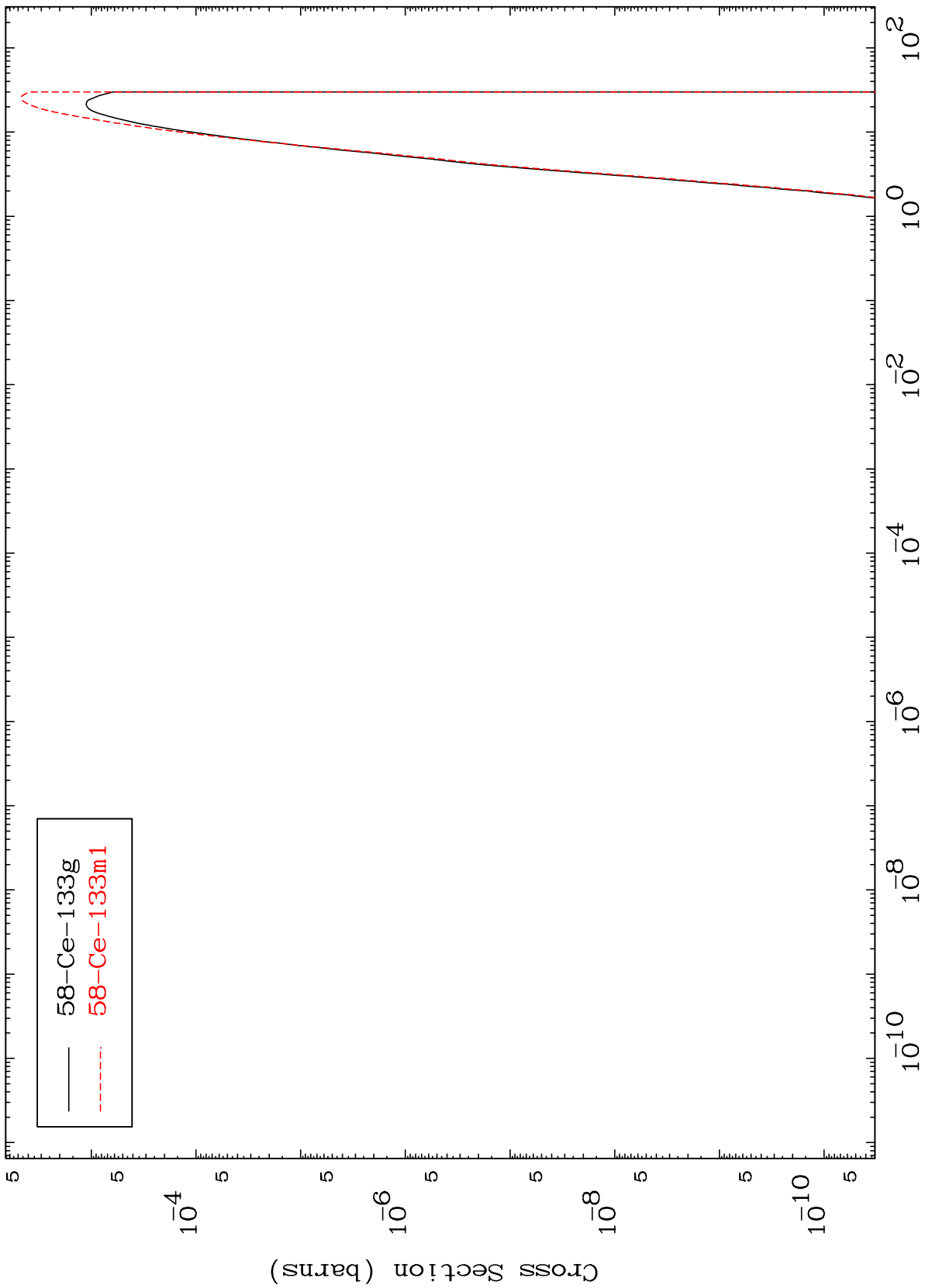
— 59-Pr-134g
- - - 59-Pr-134m1

MAT 6119

(n,p) α

61-Pm-137

Radionuclide Production Cross Section

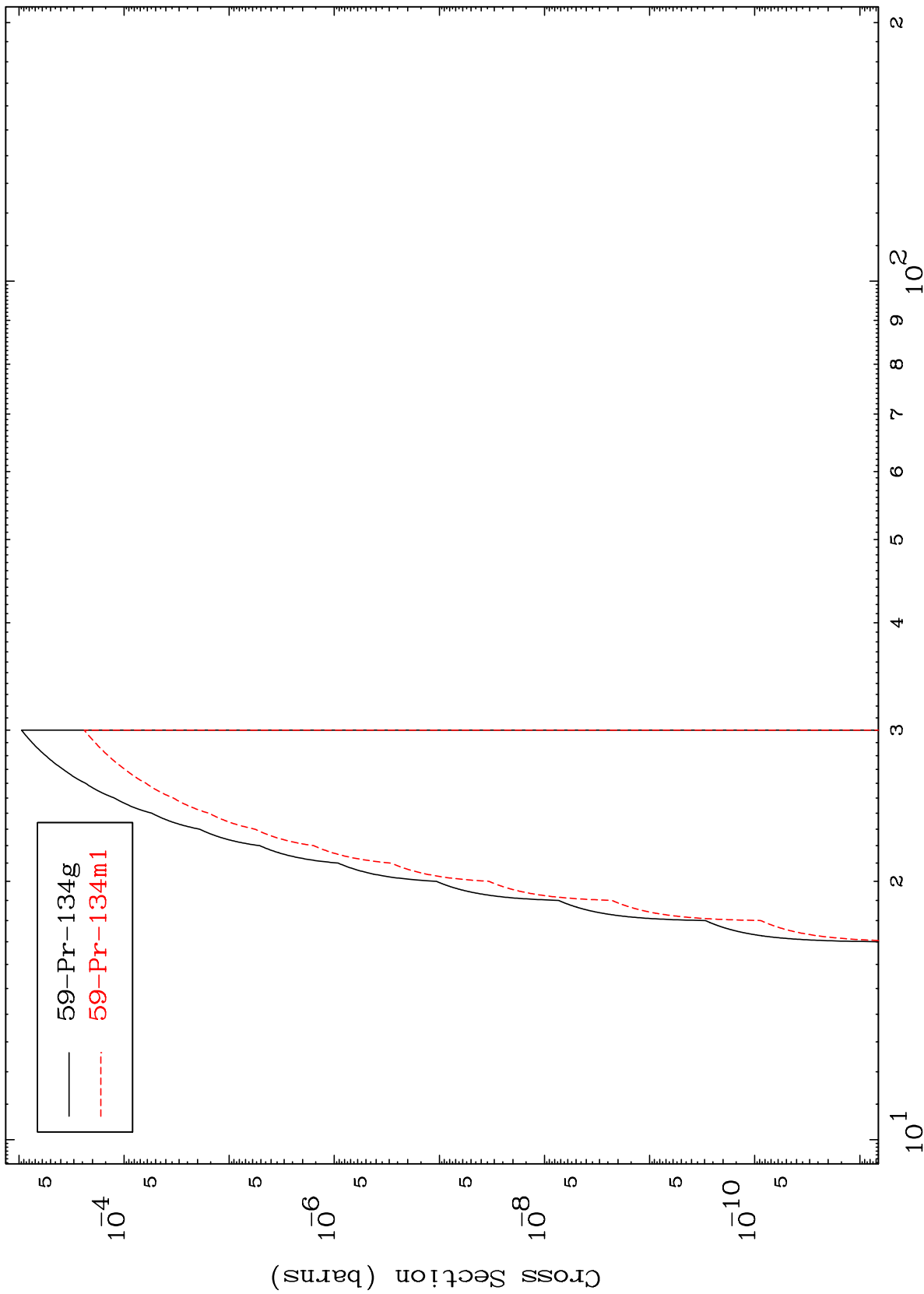


MAT 6119

(n,p) t

61-Pm-137

Radionuclide Production Cross Section



89

Incident Energy (MeV)

61-Pm-137