

Program EVALPLOT
(Version 2017-1)

by

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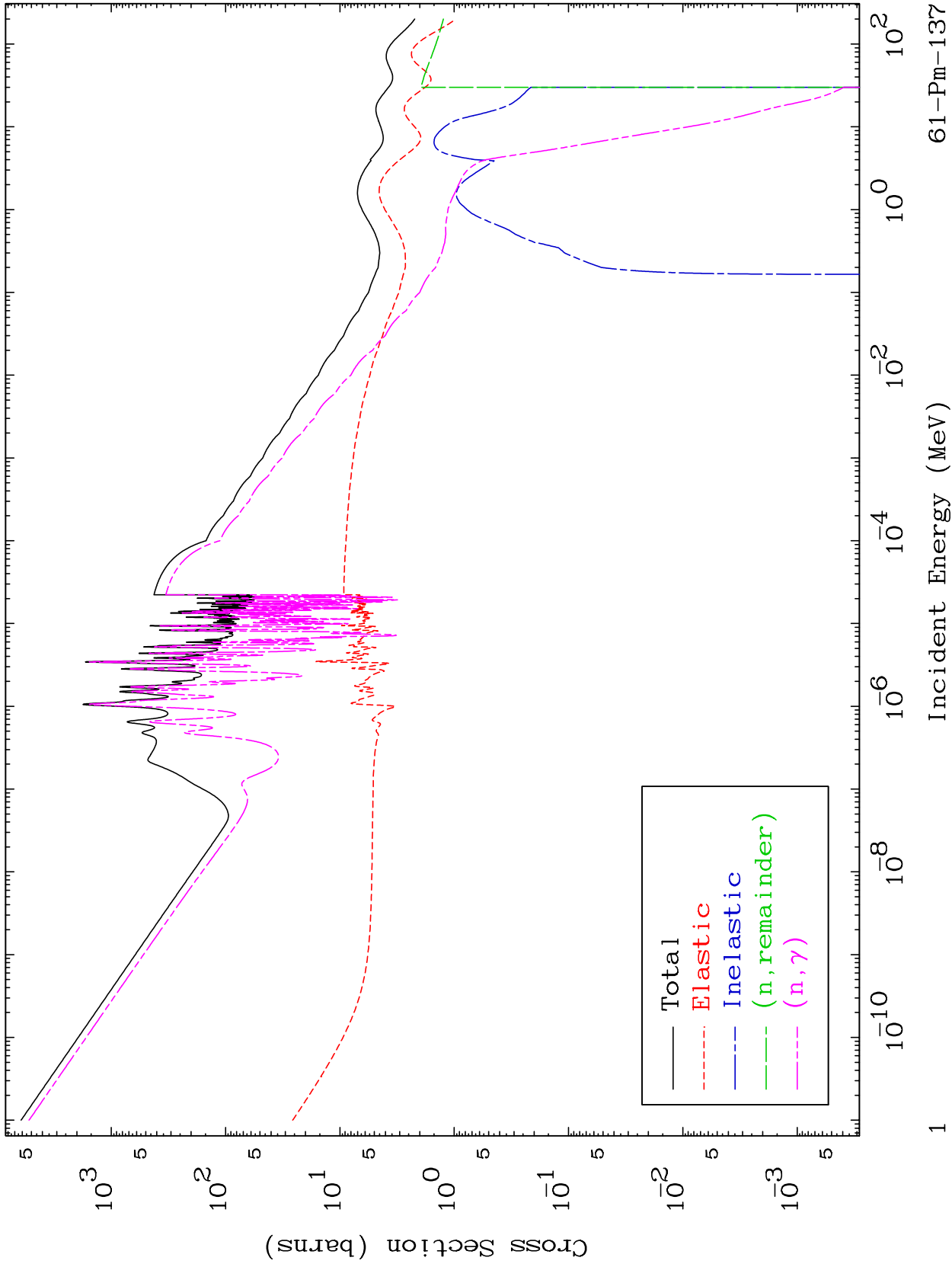
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6119

Major
293 Kelvin Cross Sections

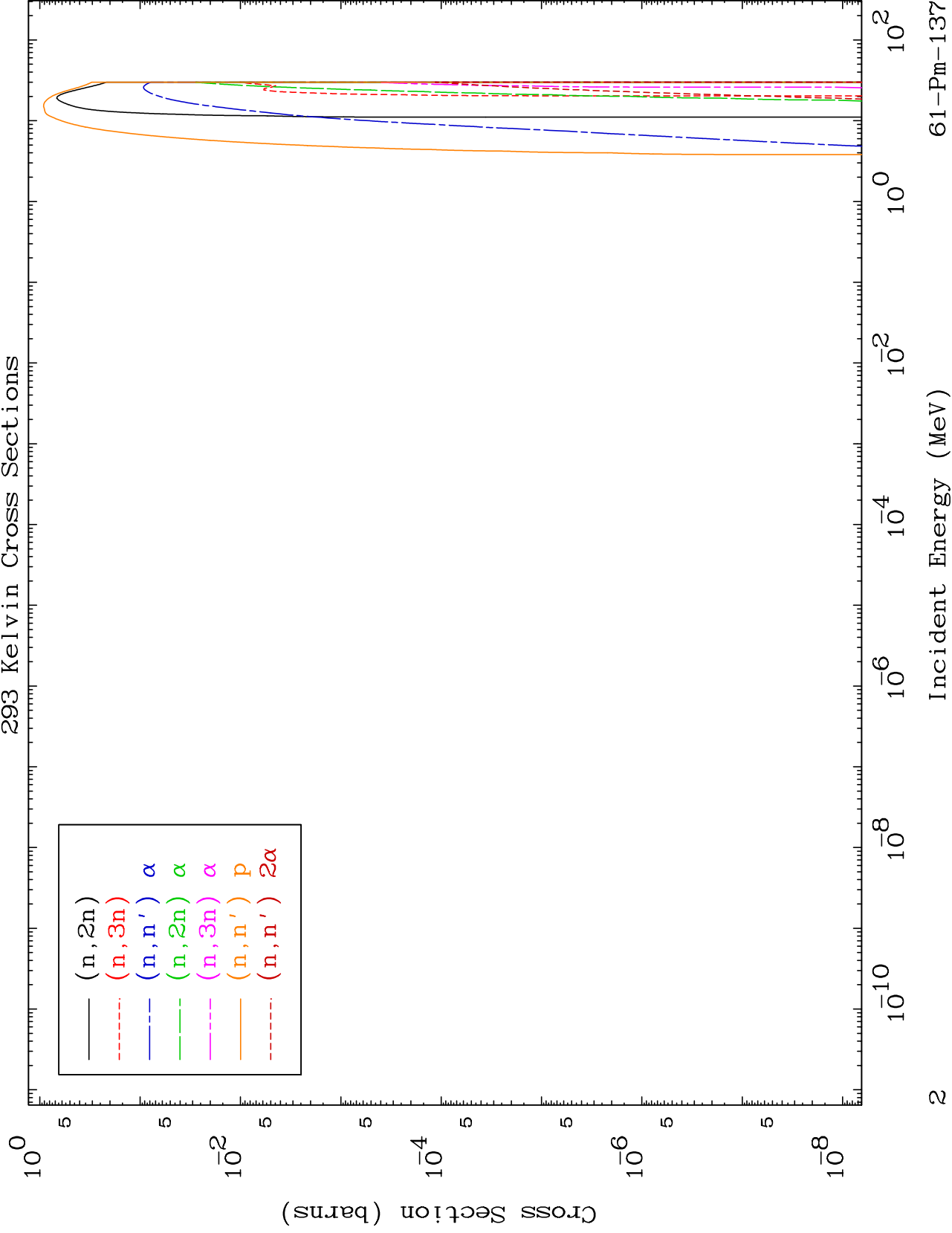
61-Pm-137

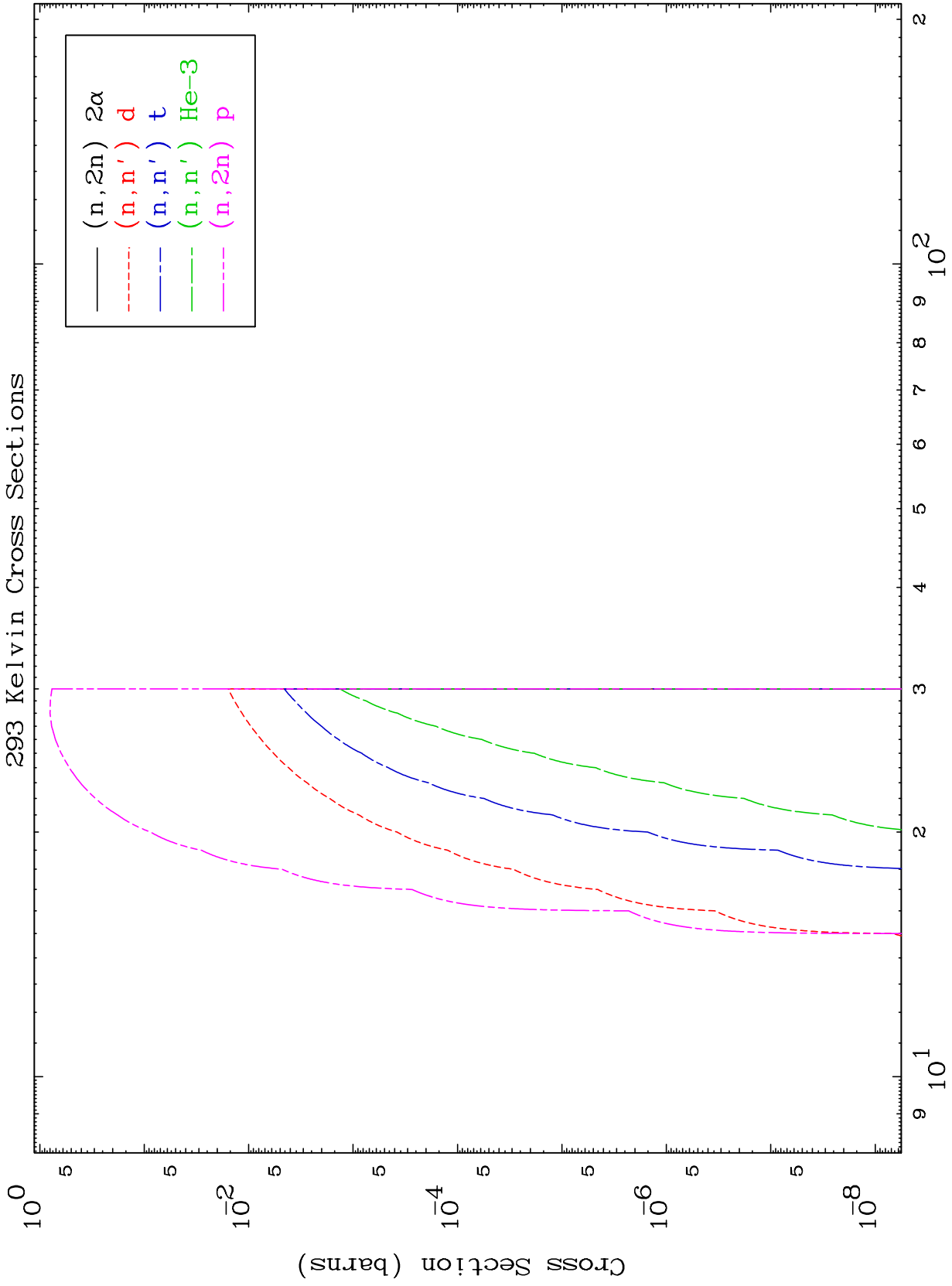


MAT 6119

Neutron Production
293 Kelvin Cross Sections

61-Pm-137

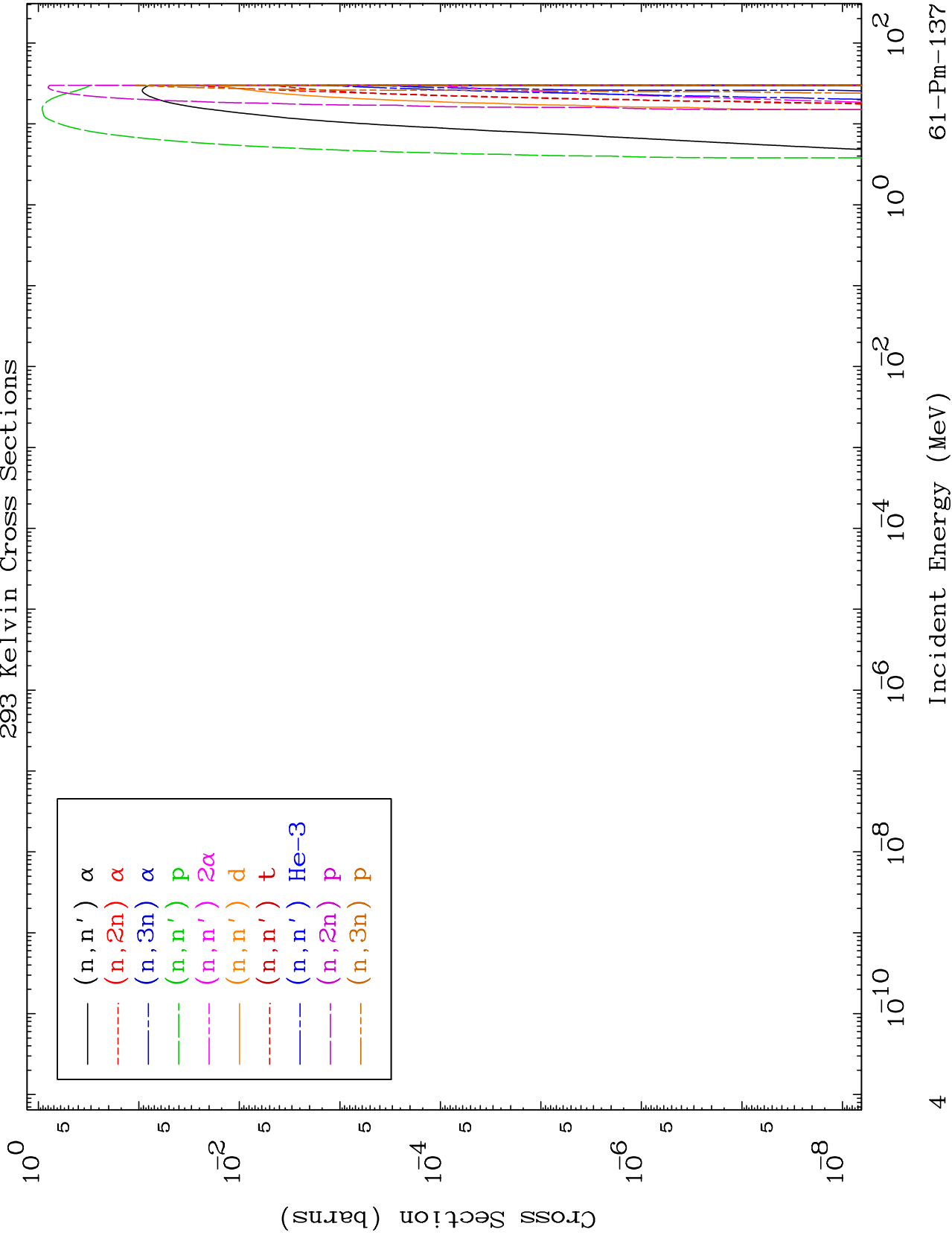




MAT 6119

Charged Particle
293 Kelvin Cross Sections

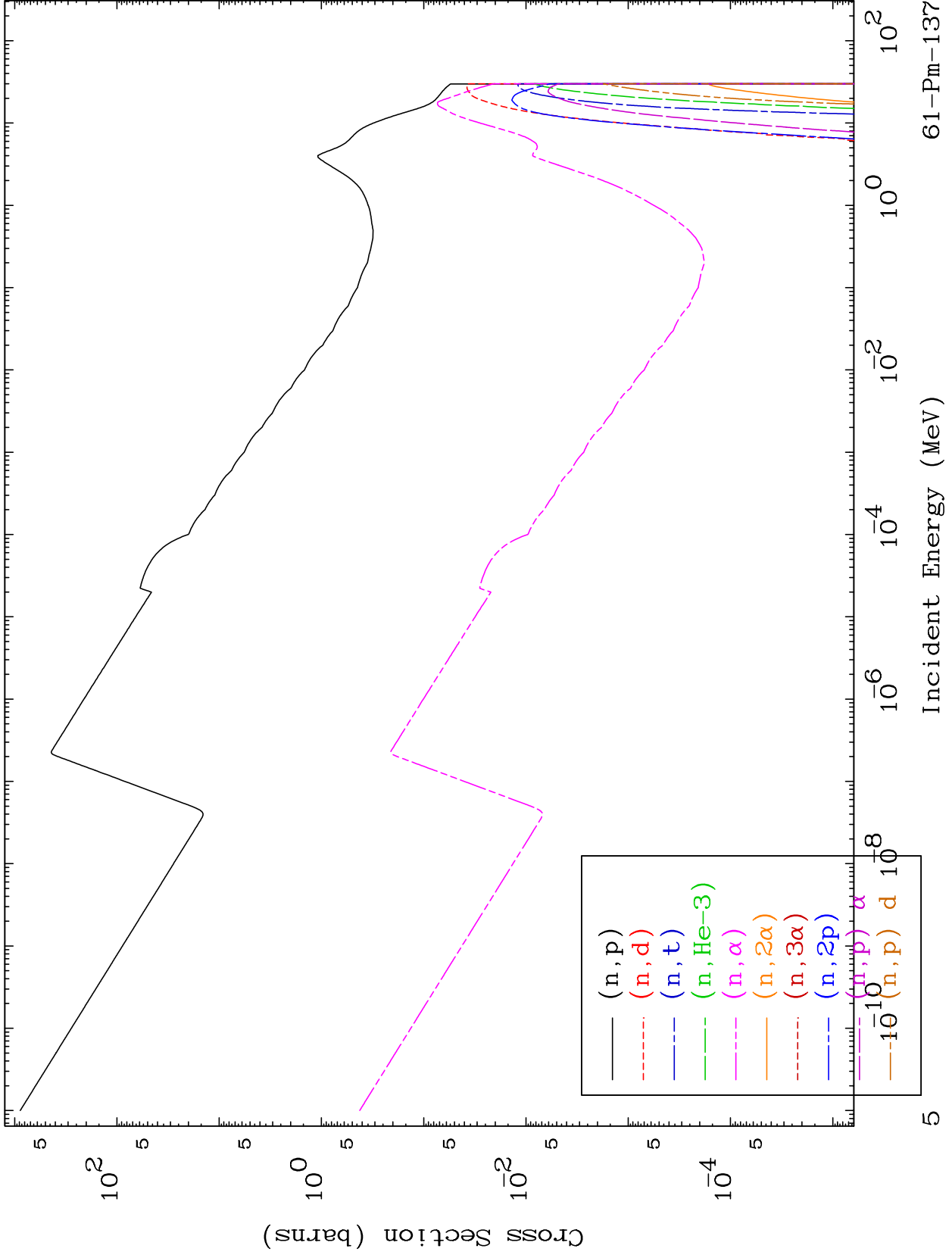
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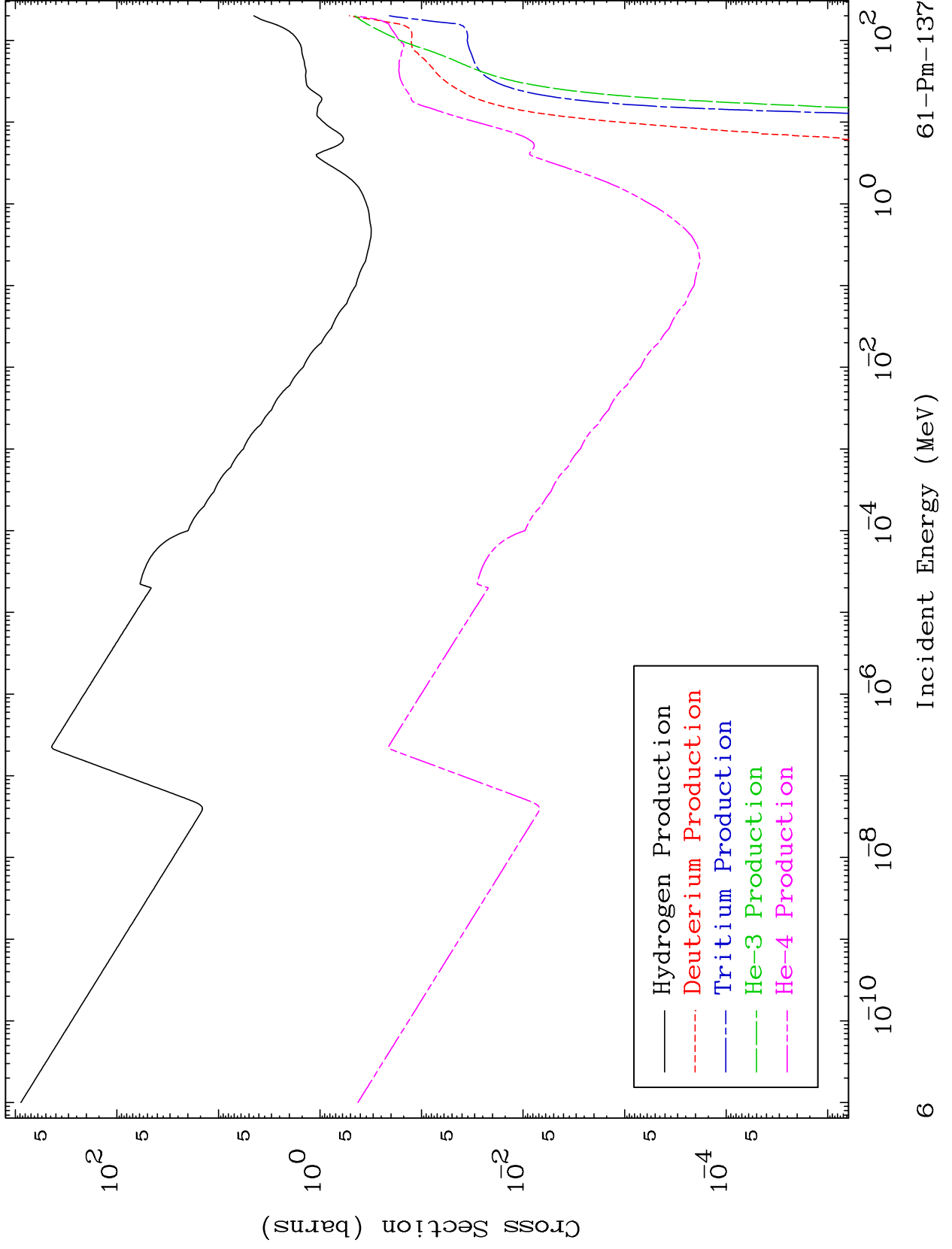


MAT 6119

Charged Particle
293 Kelvin Cross Sections

61-Pm-137



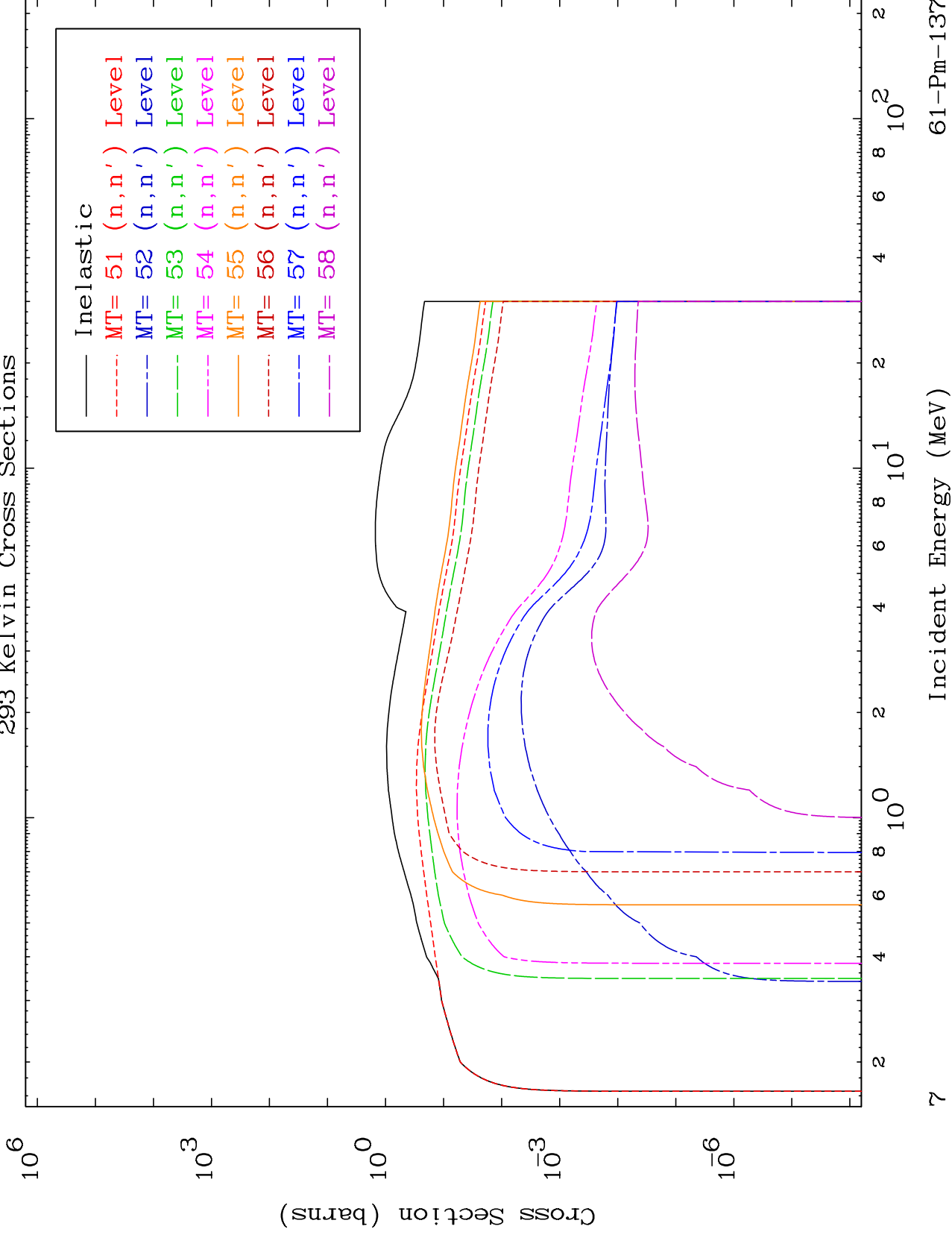


MAT 6119

(n,n') Level

61-Pm-137

293 Kelvin Cross Sections

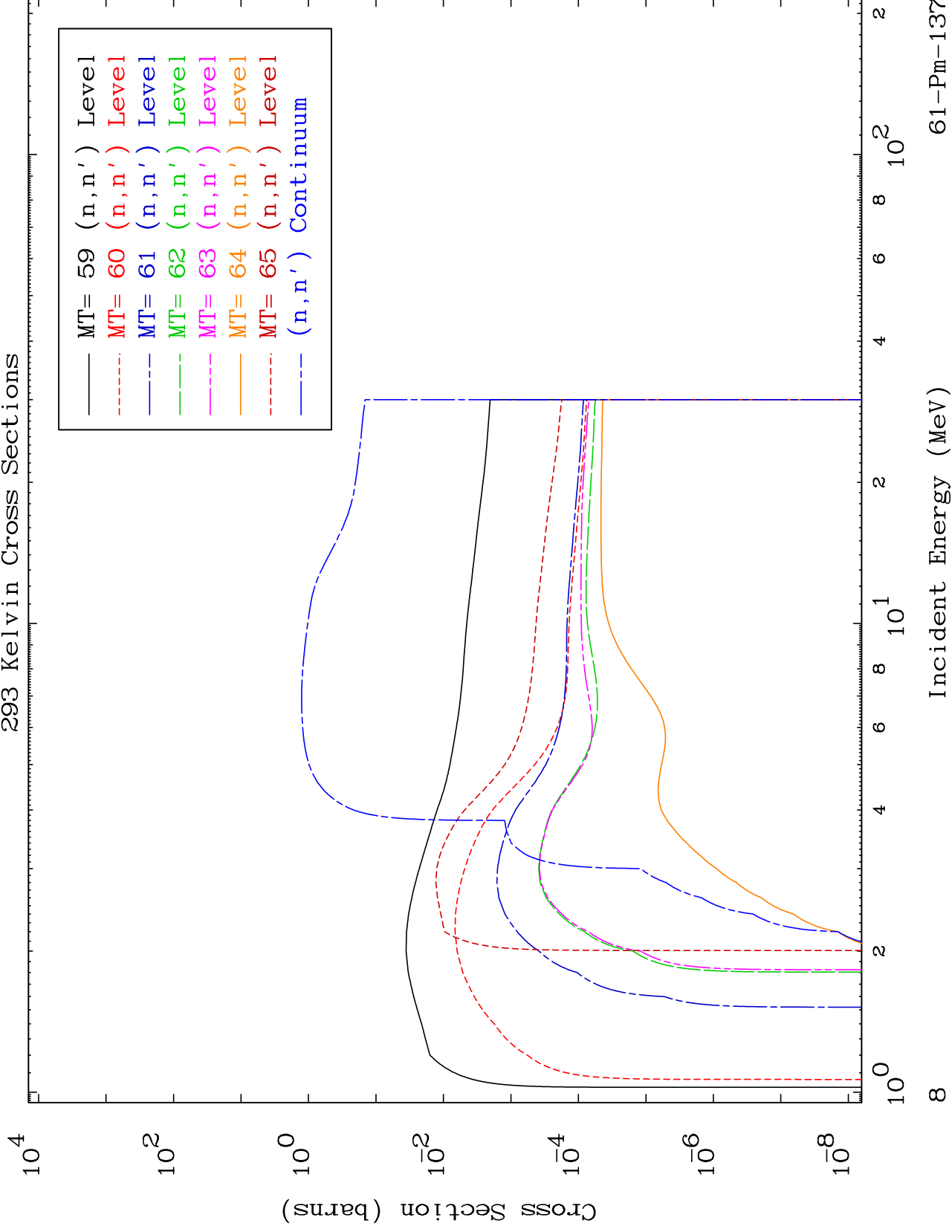


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(n,n') Level

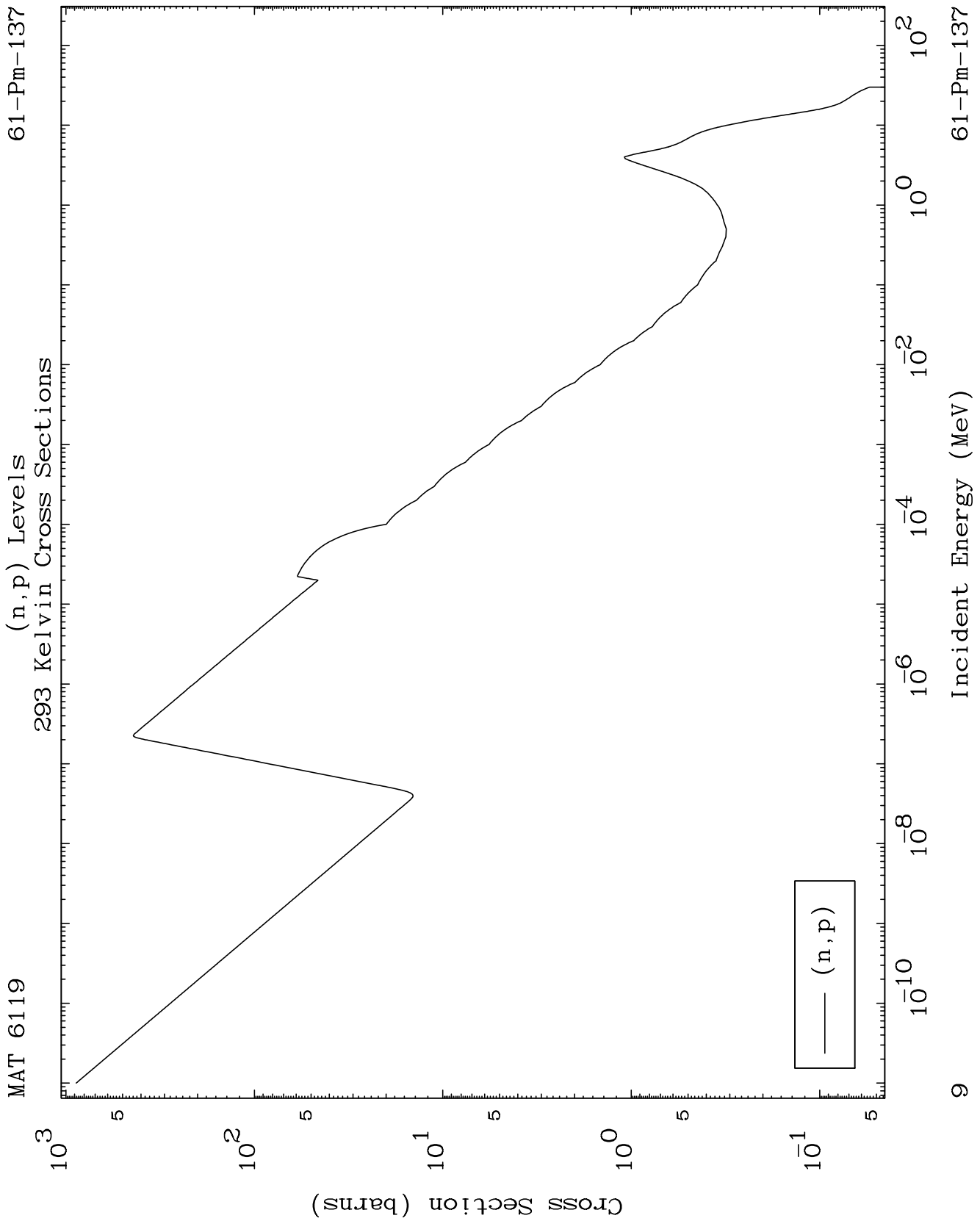
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293 Kelvin Cross Sections



61-Pm-137

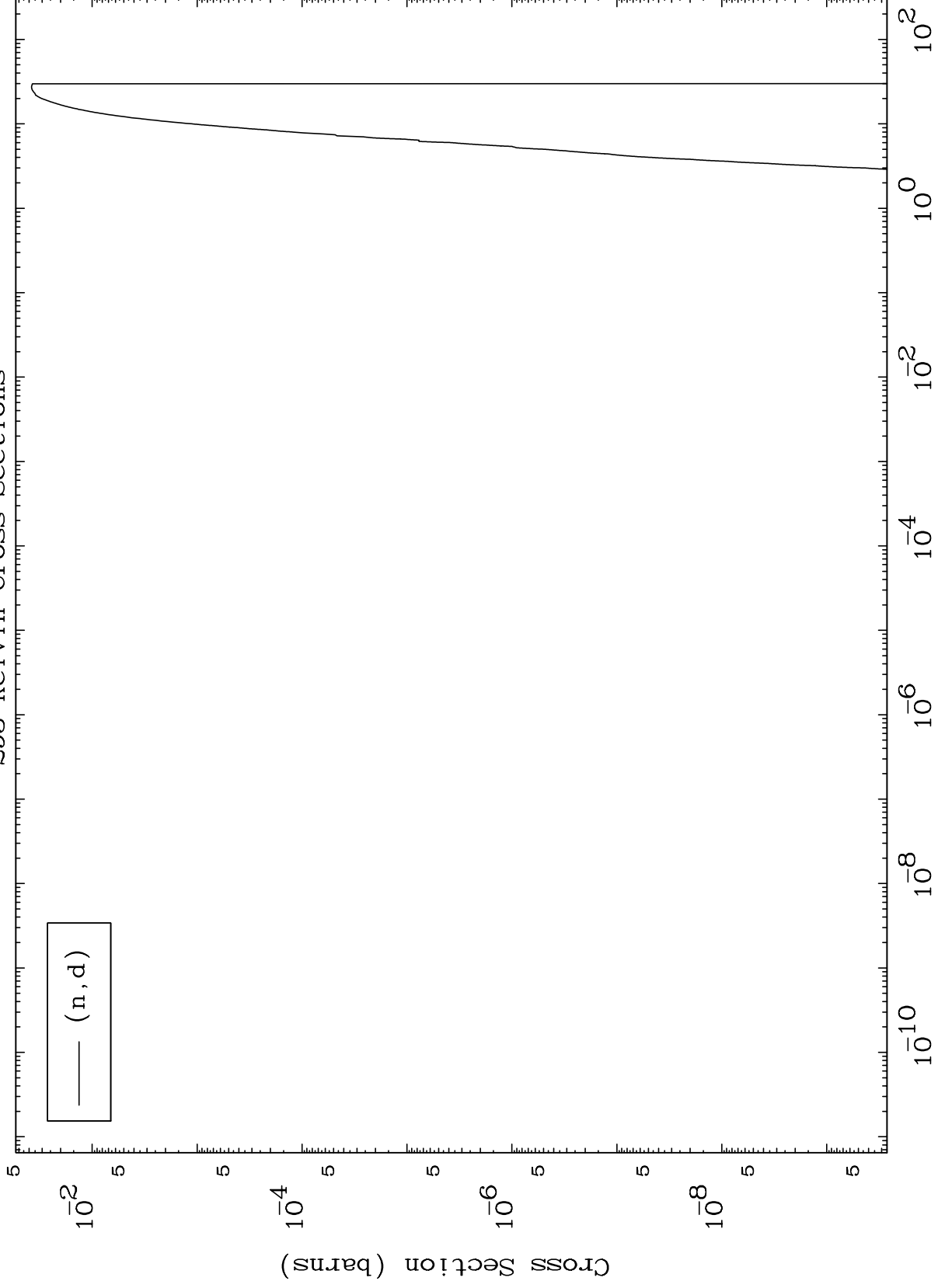
Incident Energy (MeV)



MAT 6119

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-137



10

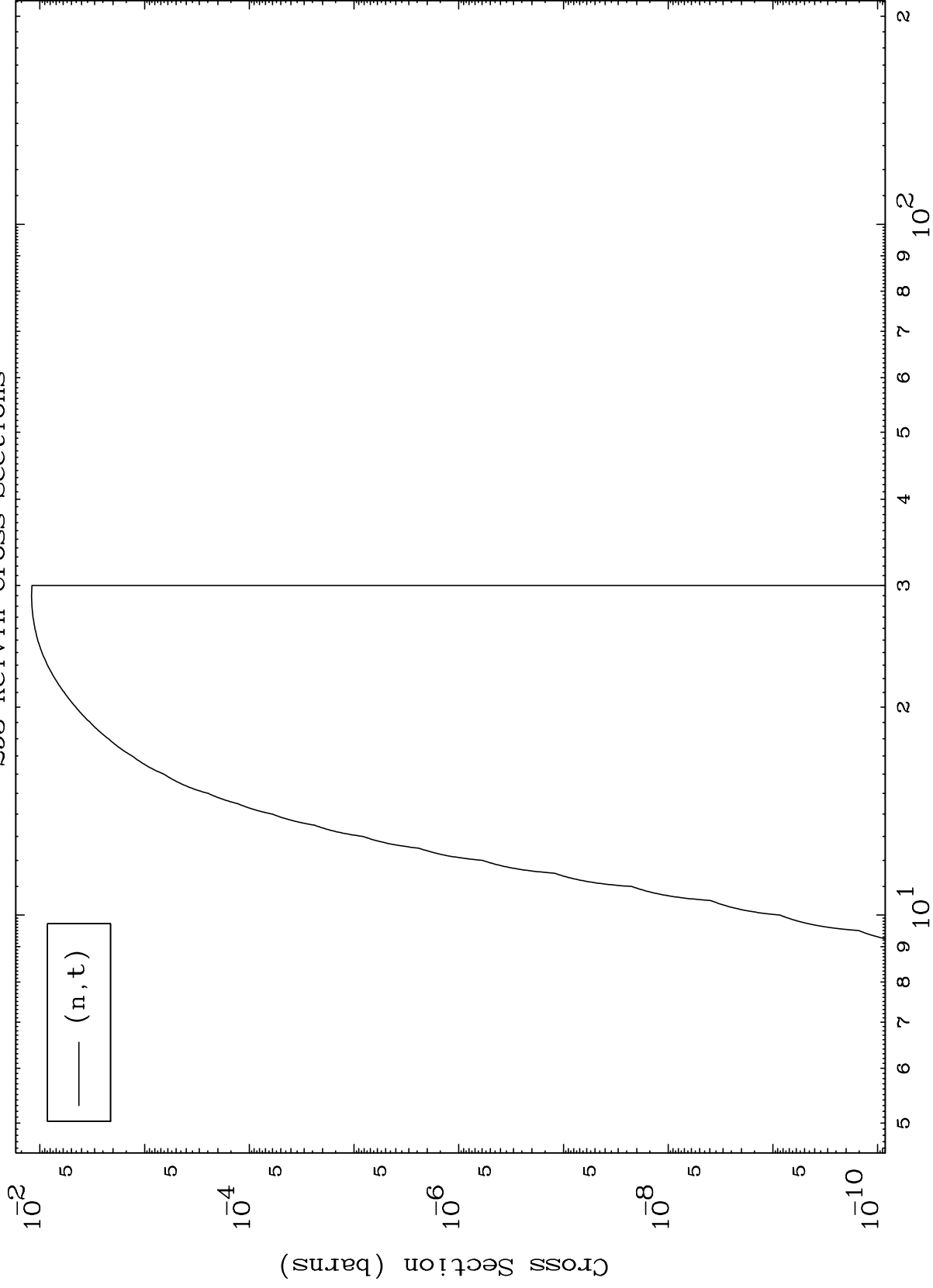
Incident Energy (MeV)

61-Pm-137

MAT 6119

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-137



11

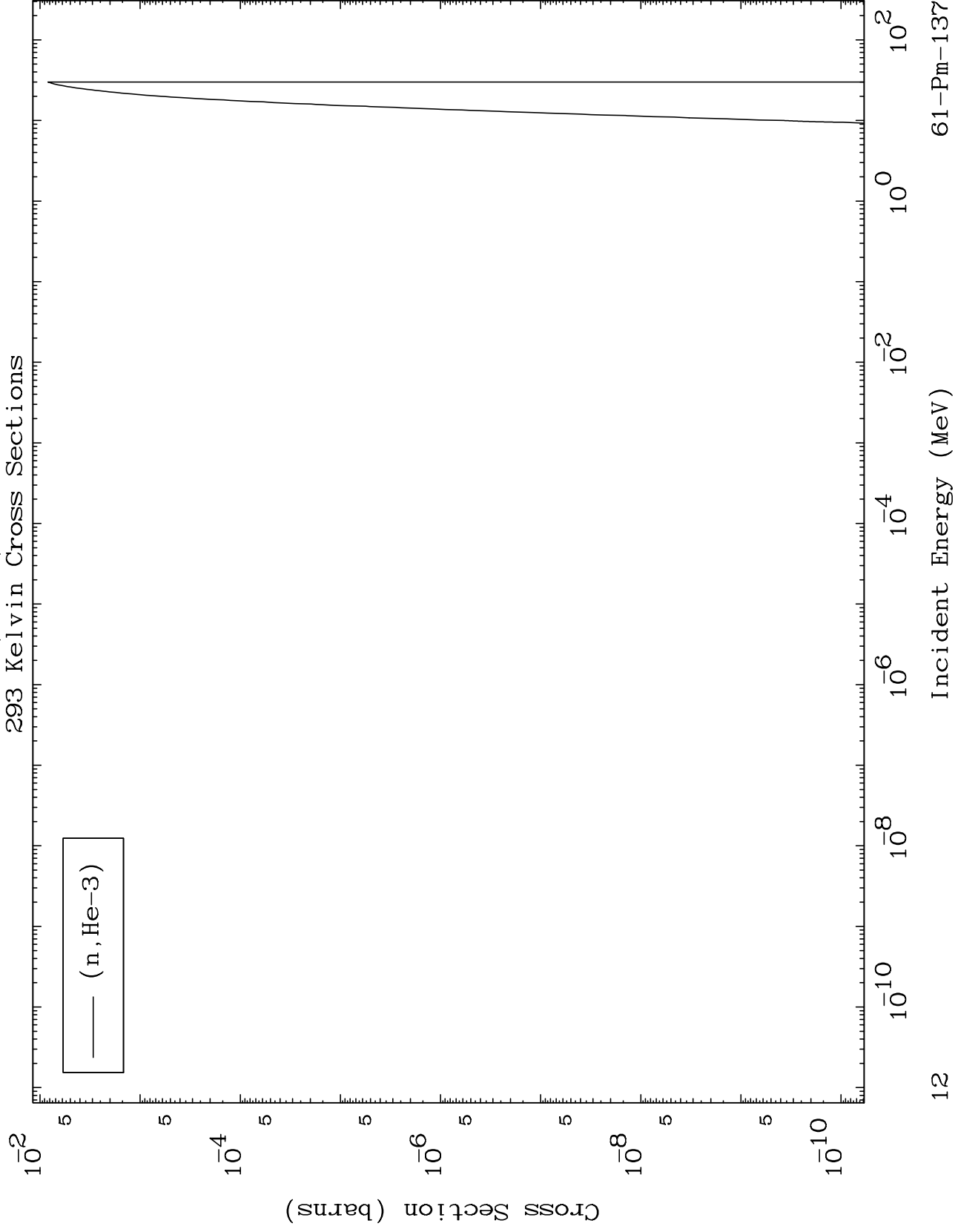
Incident Energy (MeV)

61-Pm-137

MAT 6119

(n,He3) Levels
293 Kelvin Cross Sections

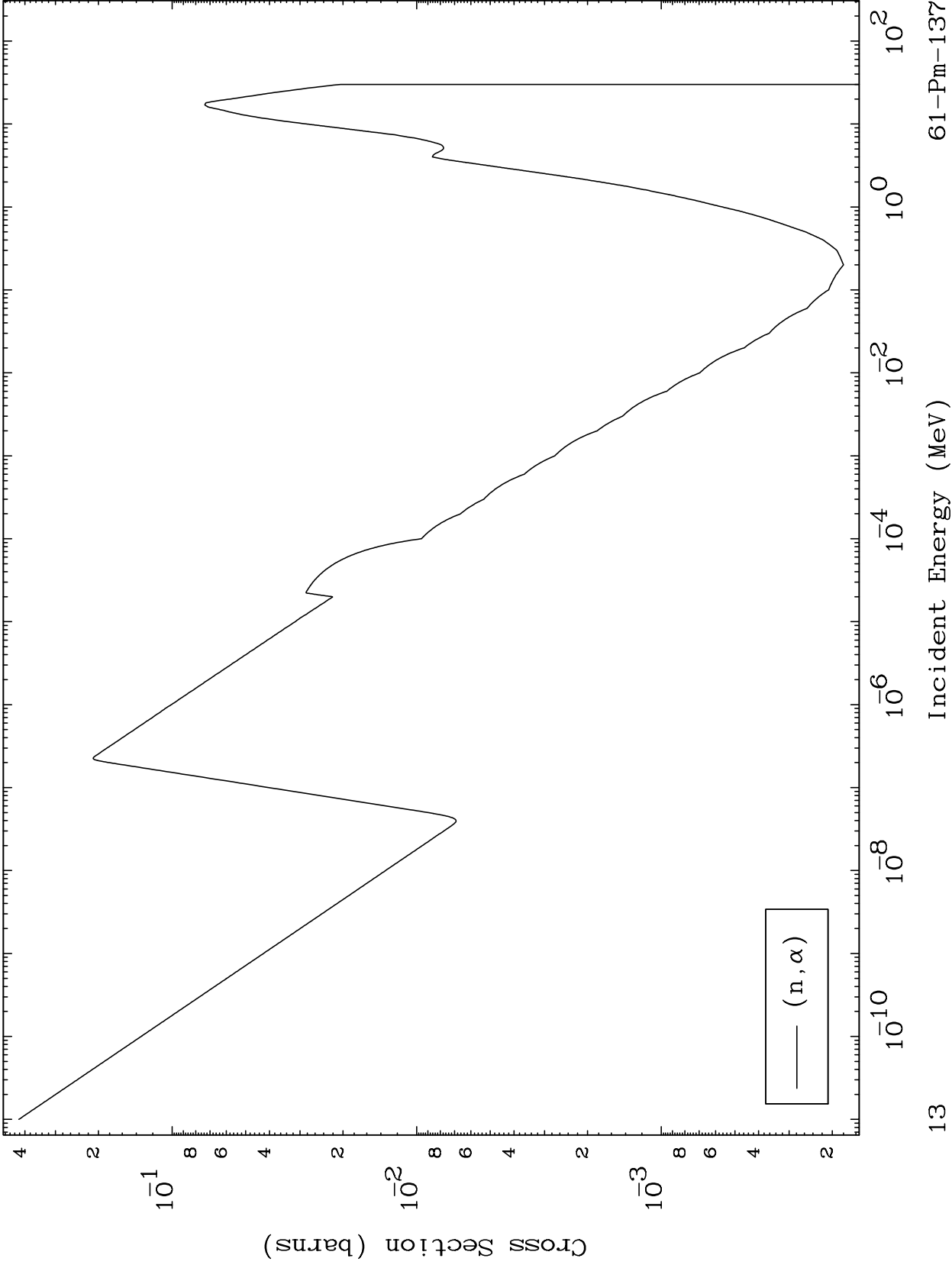
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MAT 6119

(n,α) Levels
293 Kelvin Cross Sections

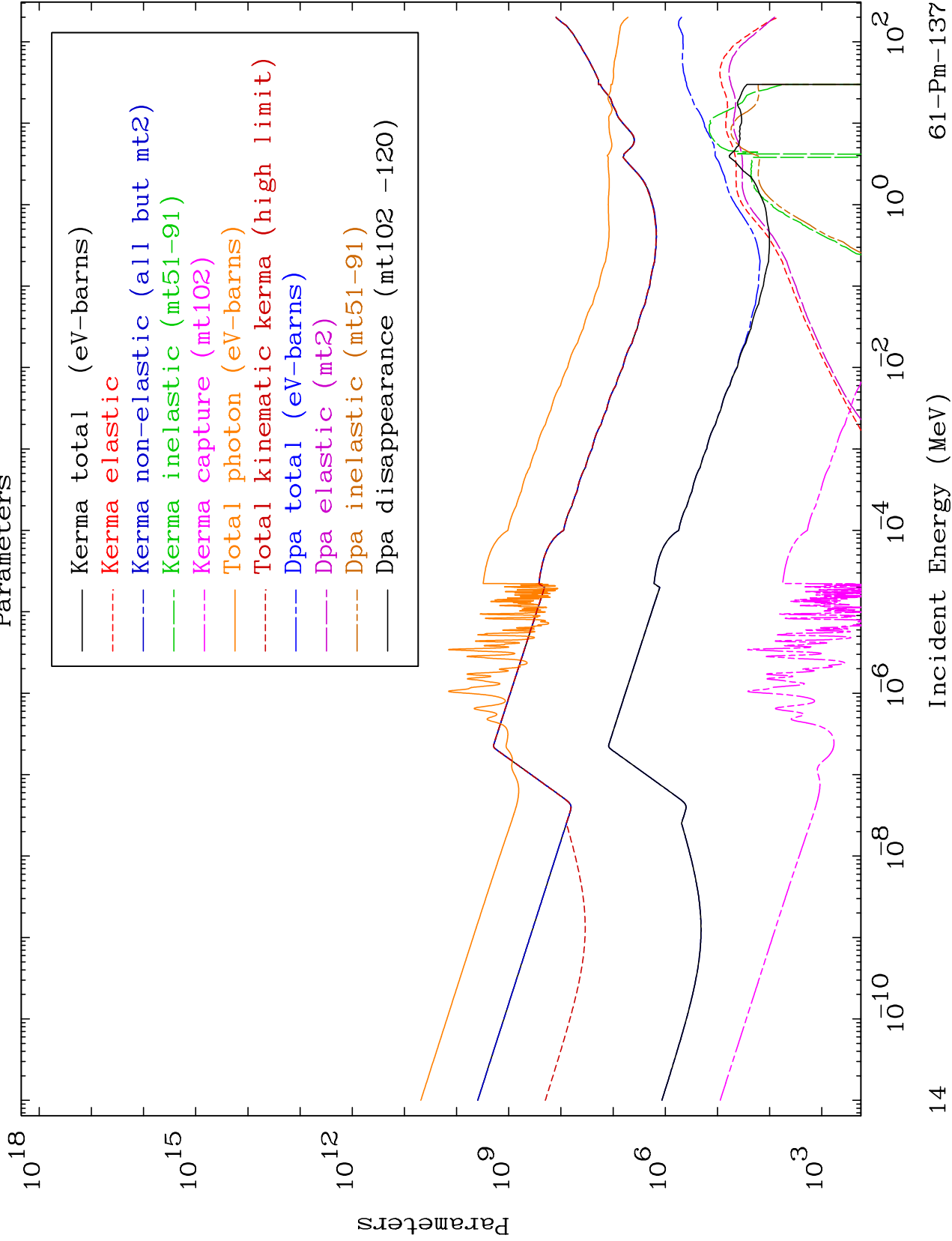
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13

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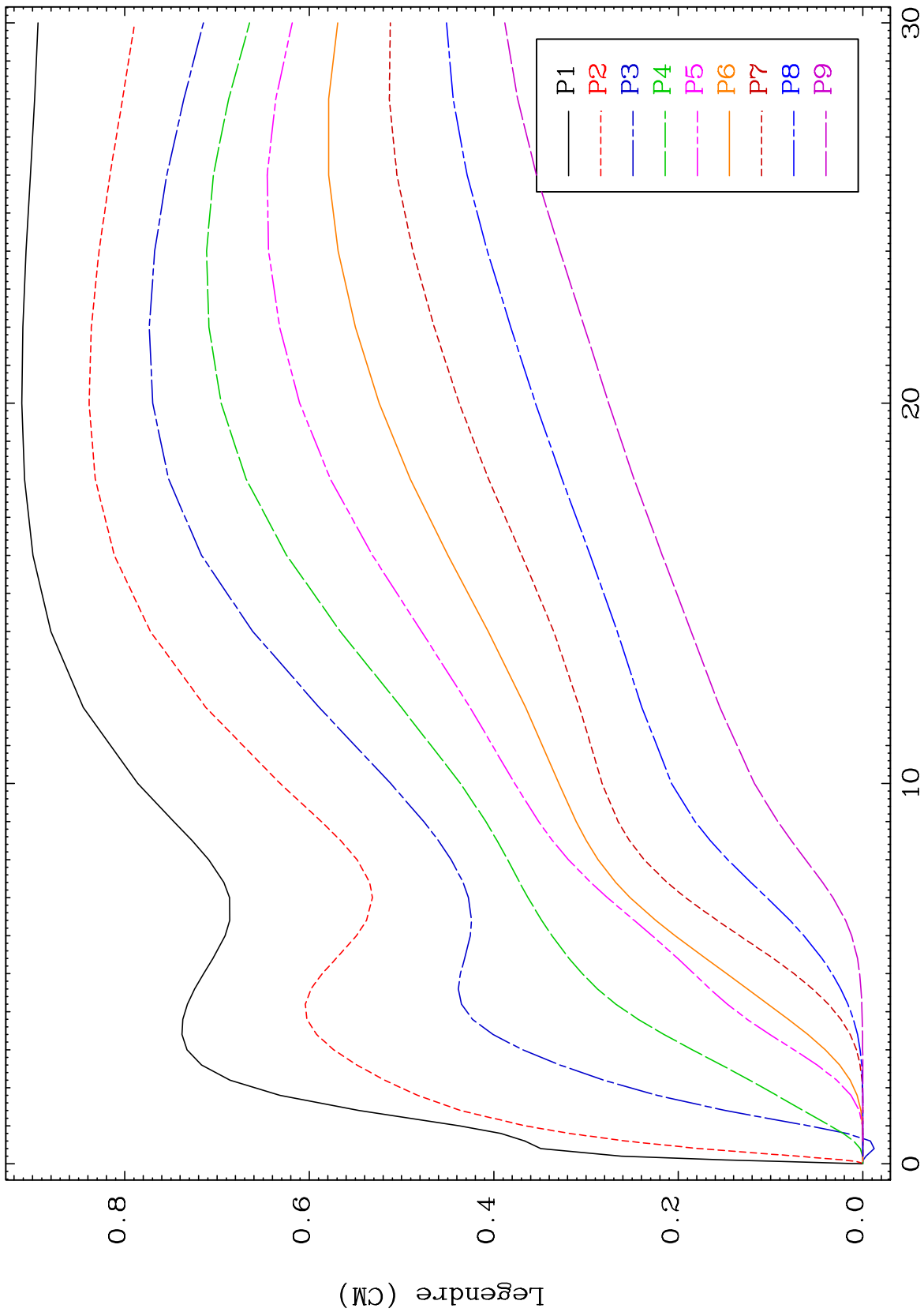
61-Pm-137



MAT 6119

Elastic Legendre Coefficients

61-Pm-137



15

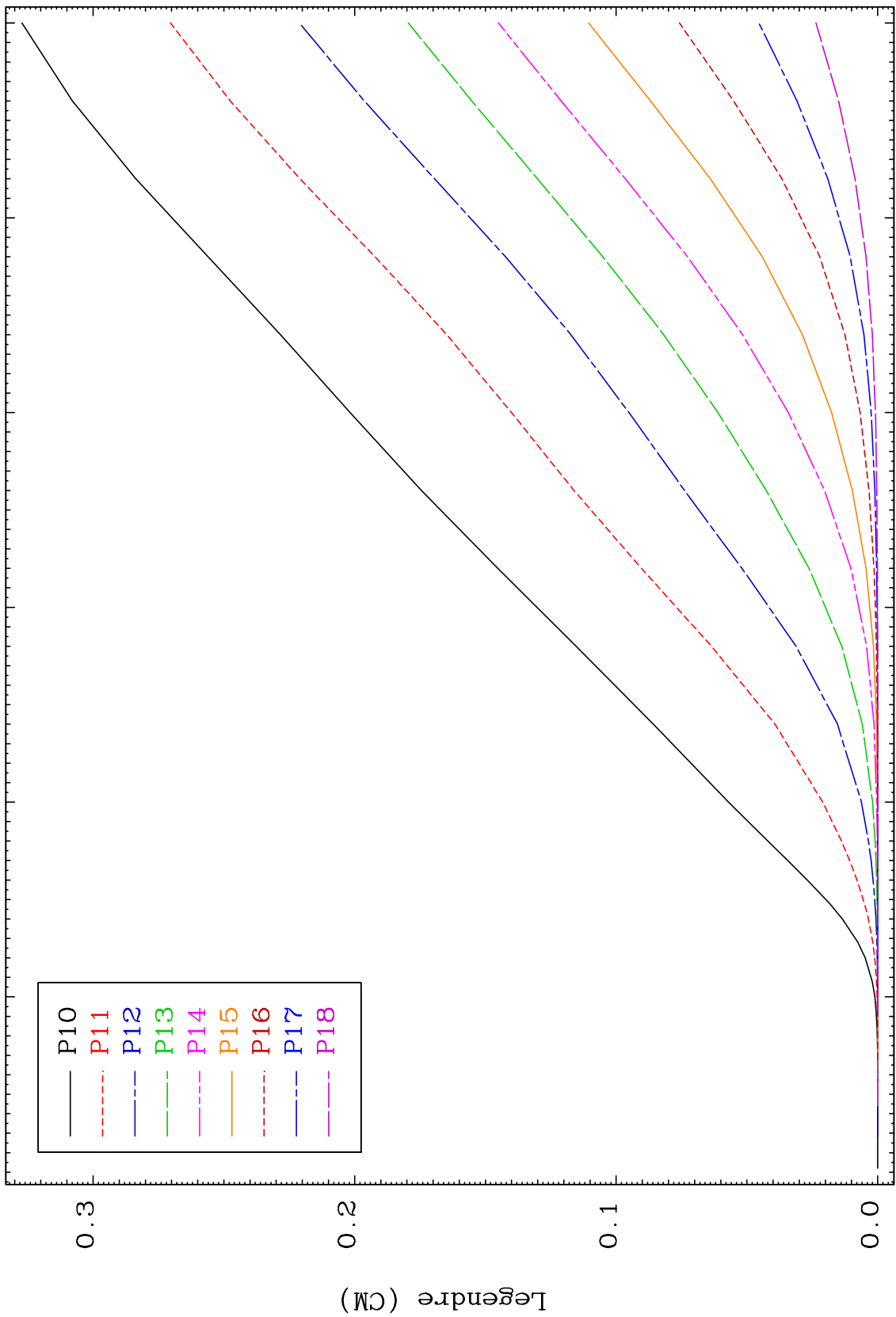
Incident Energy (MeV)

61-Pm-137

MAT 6119

Elastic Legendre Coefficients

61-Pm-137



16

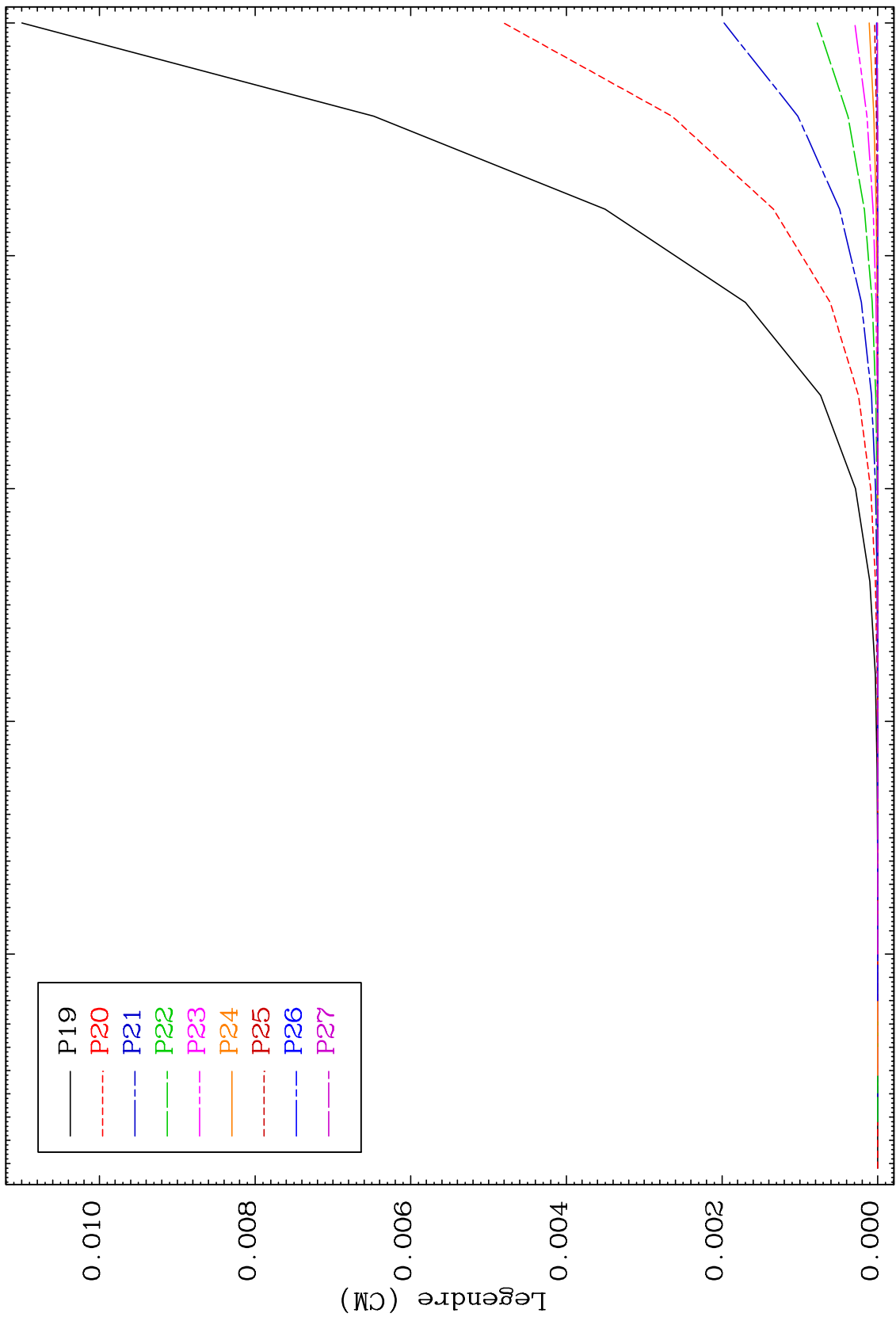
Incident Energy (MeV)

61-Pm-137

MAT 6119

Elastic Legendre Coefficients

61-Pm-137



17

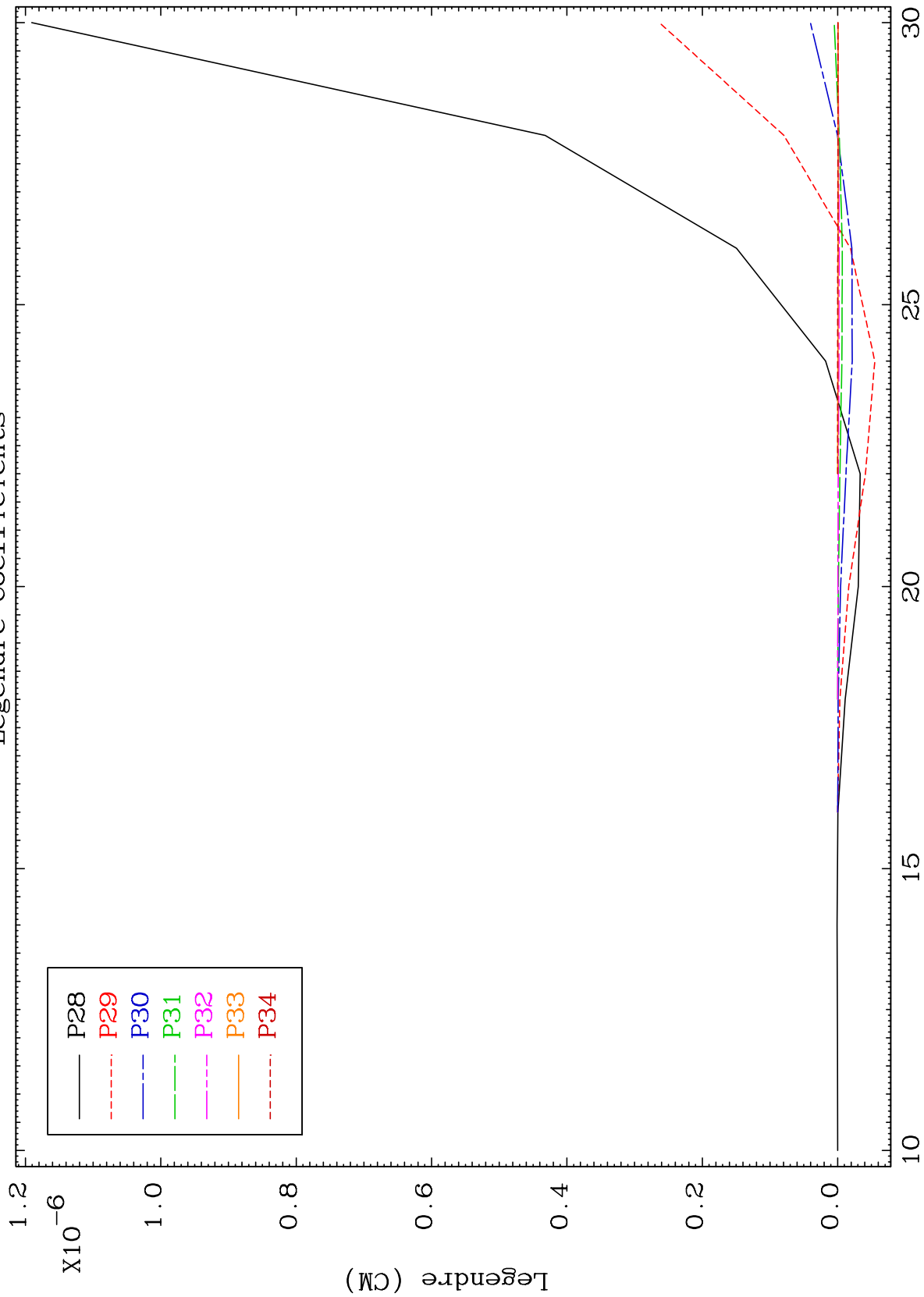
Incident Energy (MeV)

61-Pm-137

MAT 6119

Elastic
Legendre Coefficients

61-Pm-137



18

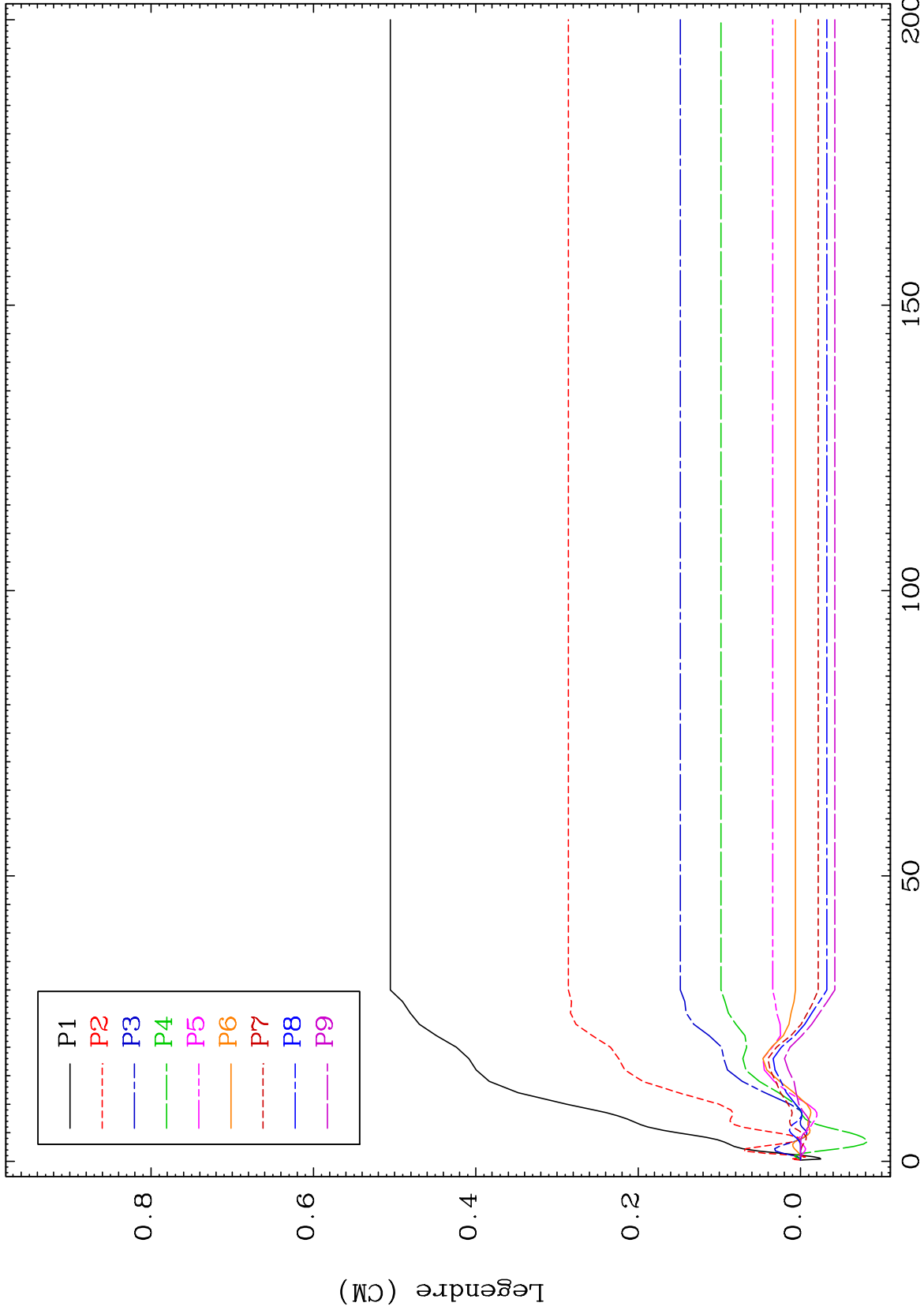
Incident Energy (MeV)

61-Pm-137

MAT 6119

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

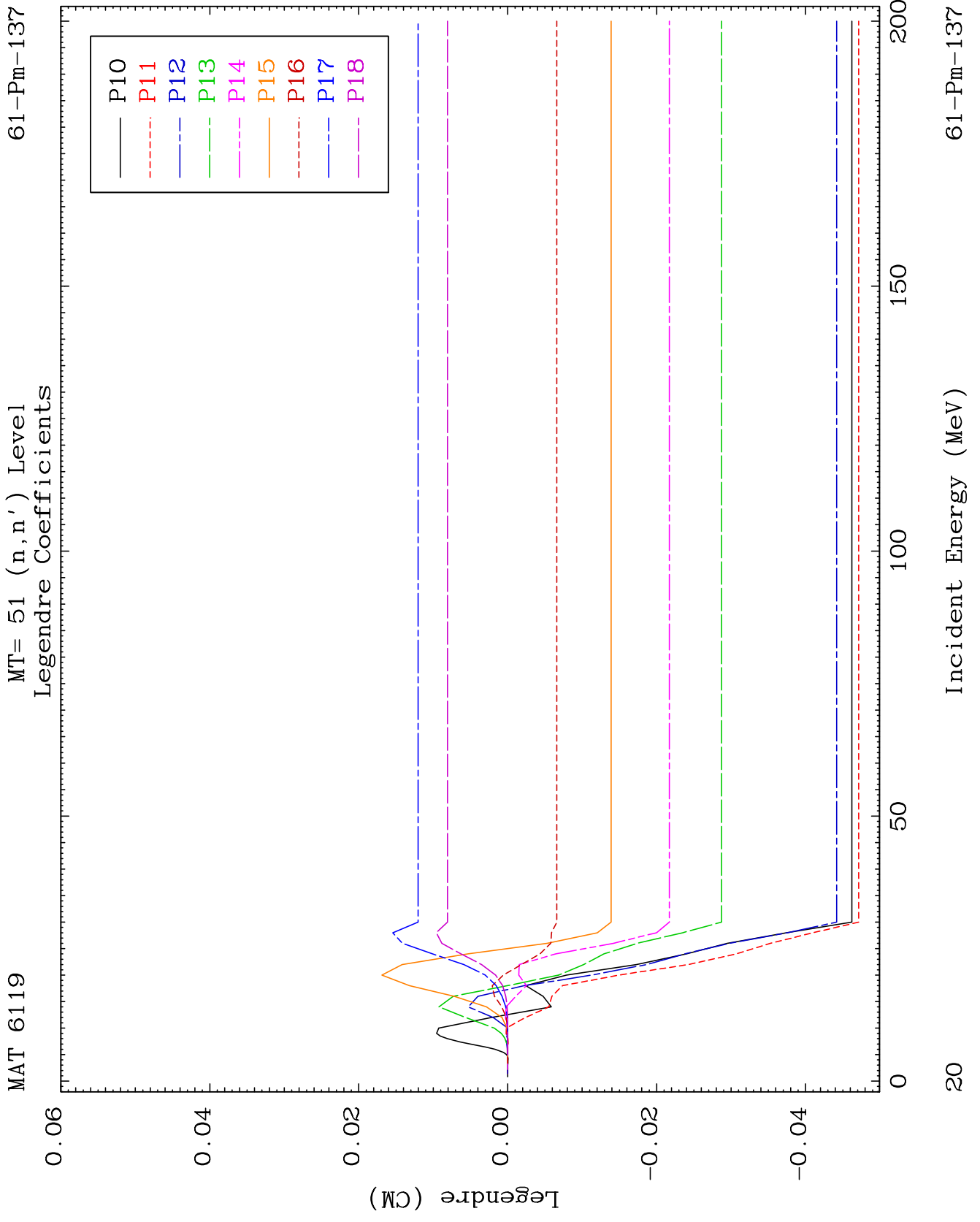
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19

Incident Energy (MeV)

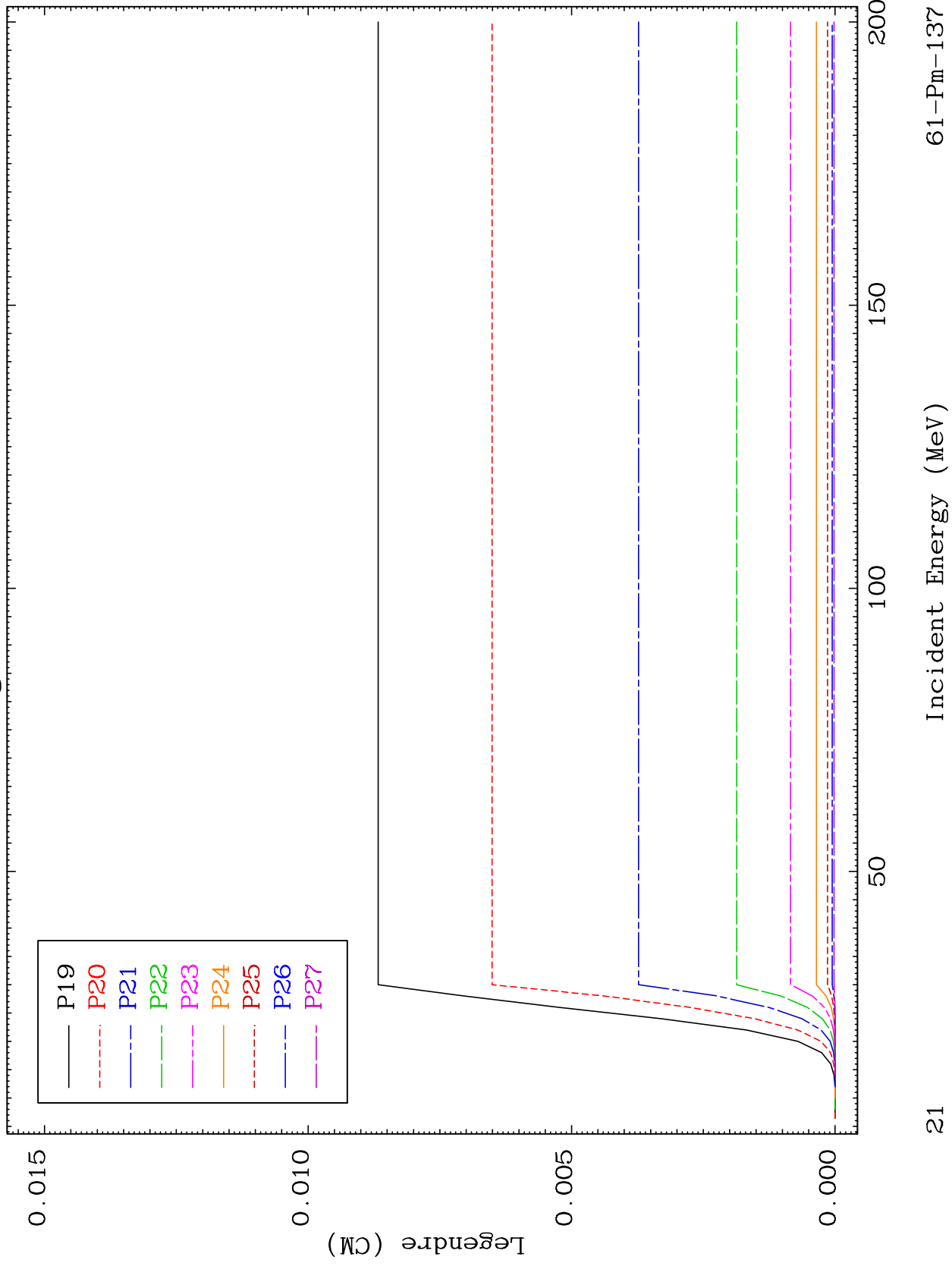
61-Pm-137



MAT 6119

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

61-Pm-137



21

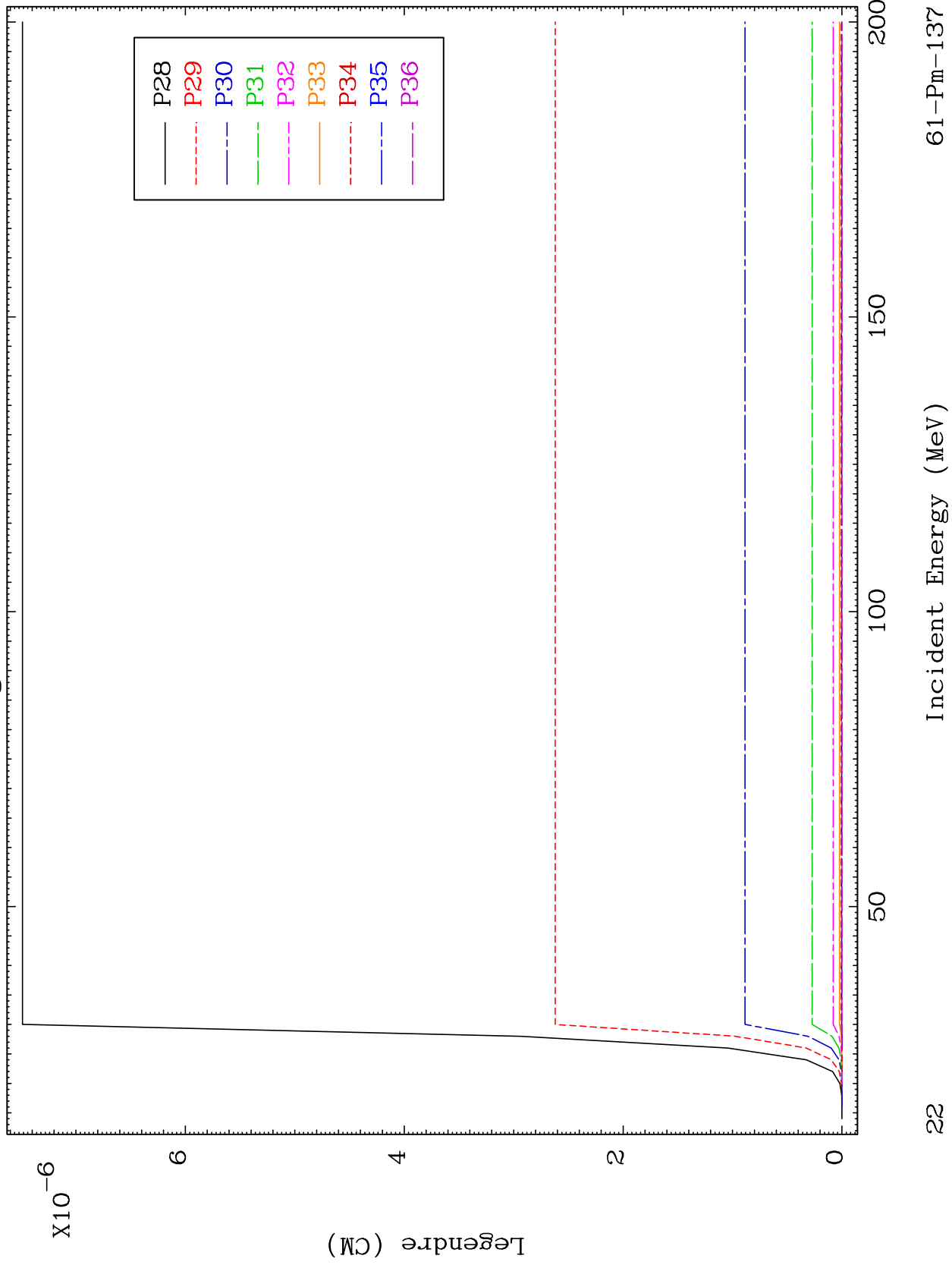
Incident Energy (MeV)

61-Pm-137

MAT 6119

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

61-Pm-137



22

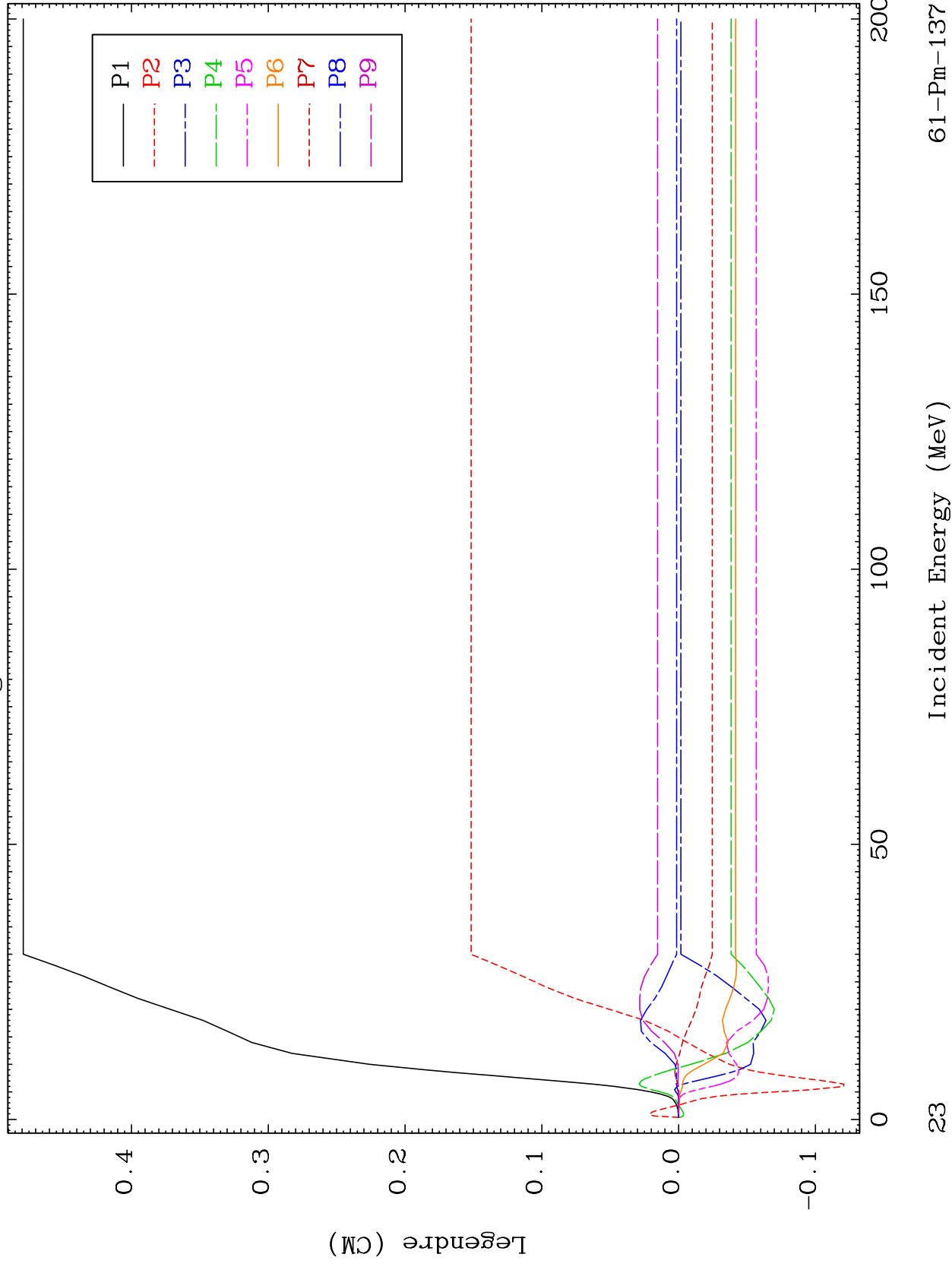
Incident Energy (MeV)

61-Pm-137

MAT 6119

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

61-Pm-137



61-Pm-137

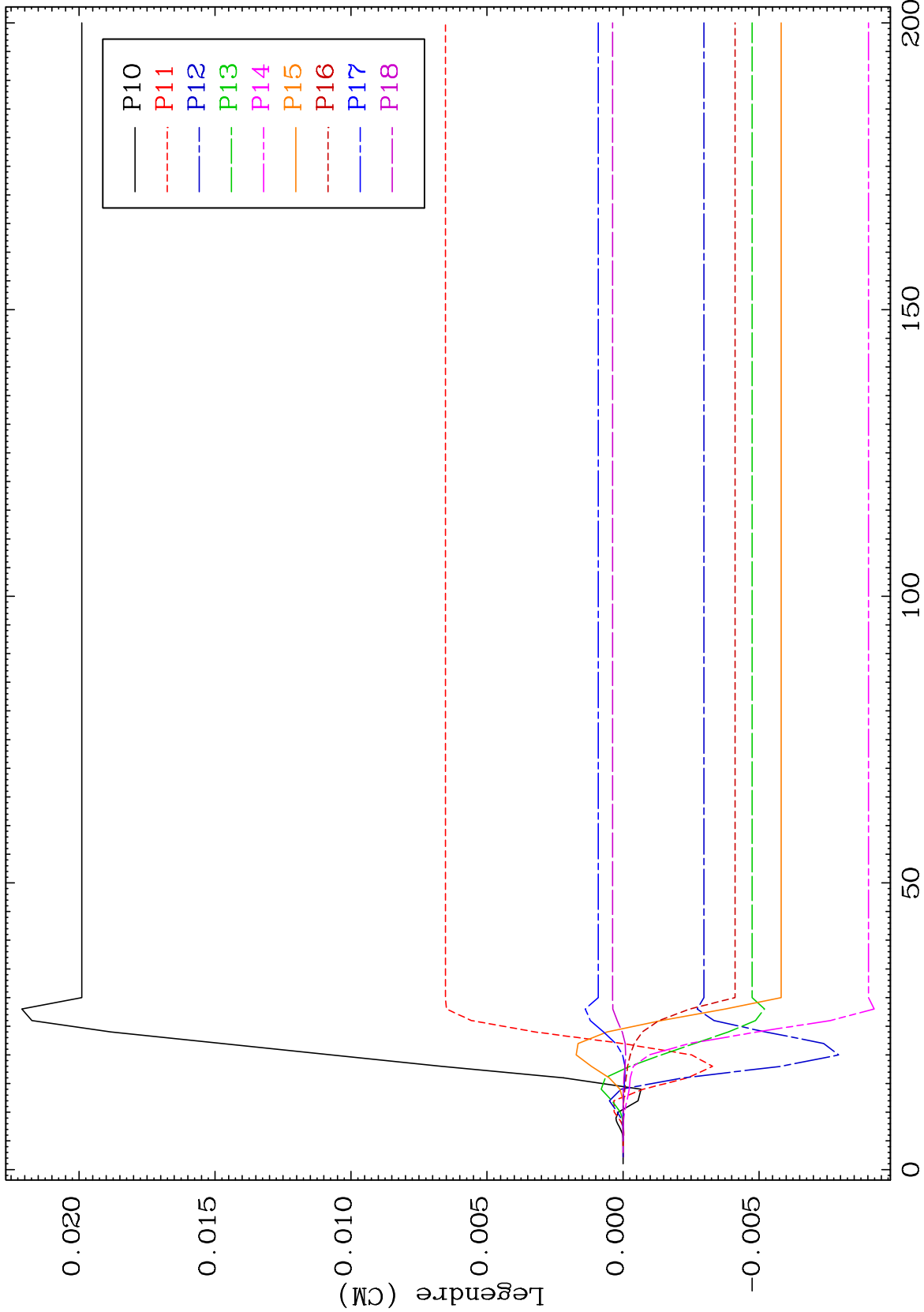
Incident Energy (MeV)

23

MAT 6119

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

61-Pm-137



24

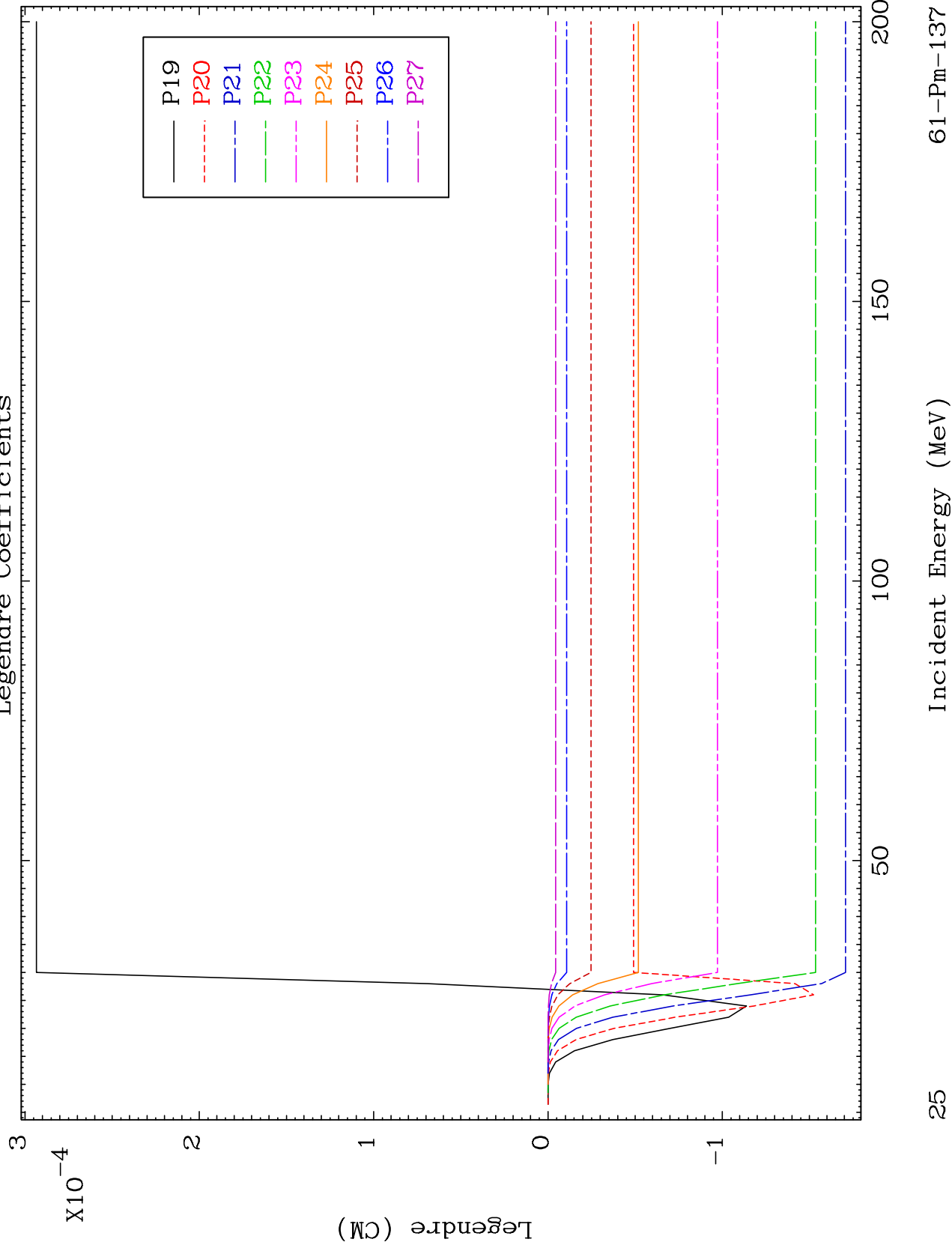
Incident Energy (MeV)

61-Pm-137

MAT 6119

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

61-Pm-137



25

Incident Energy (MeV)

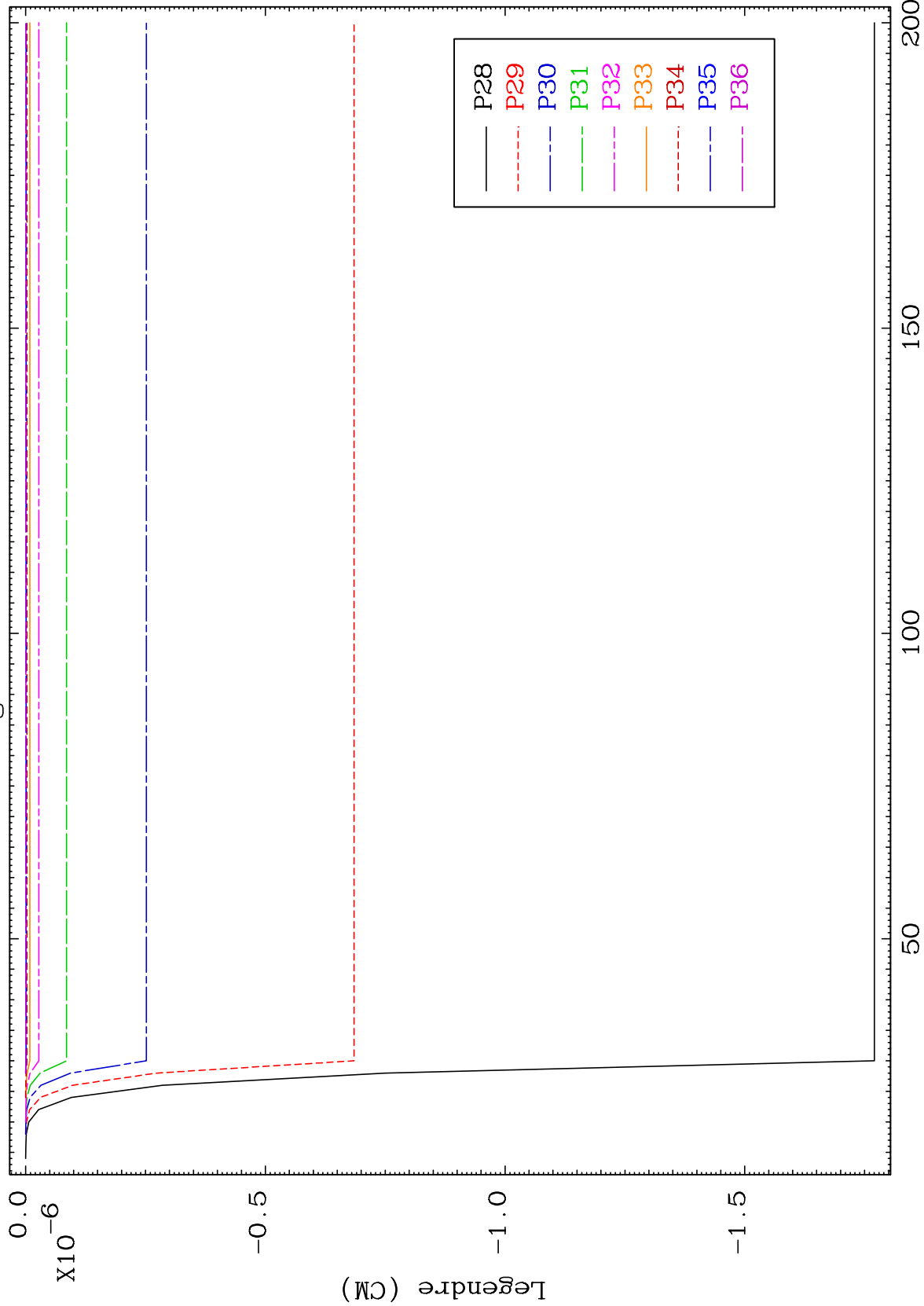
61-Pm-137

MAT 6119

MT= 52 (n,n') Level

61-Pm-137

Legendre Coefficients



26

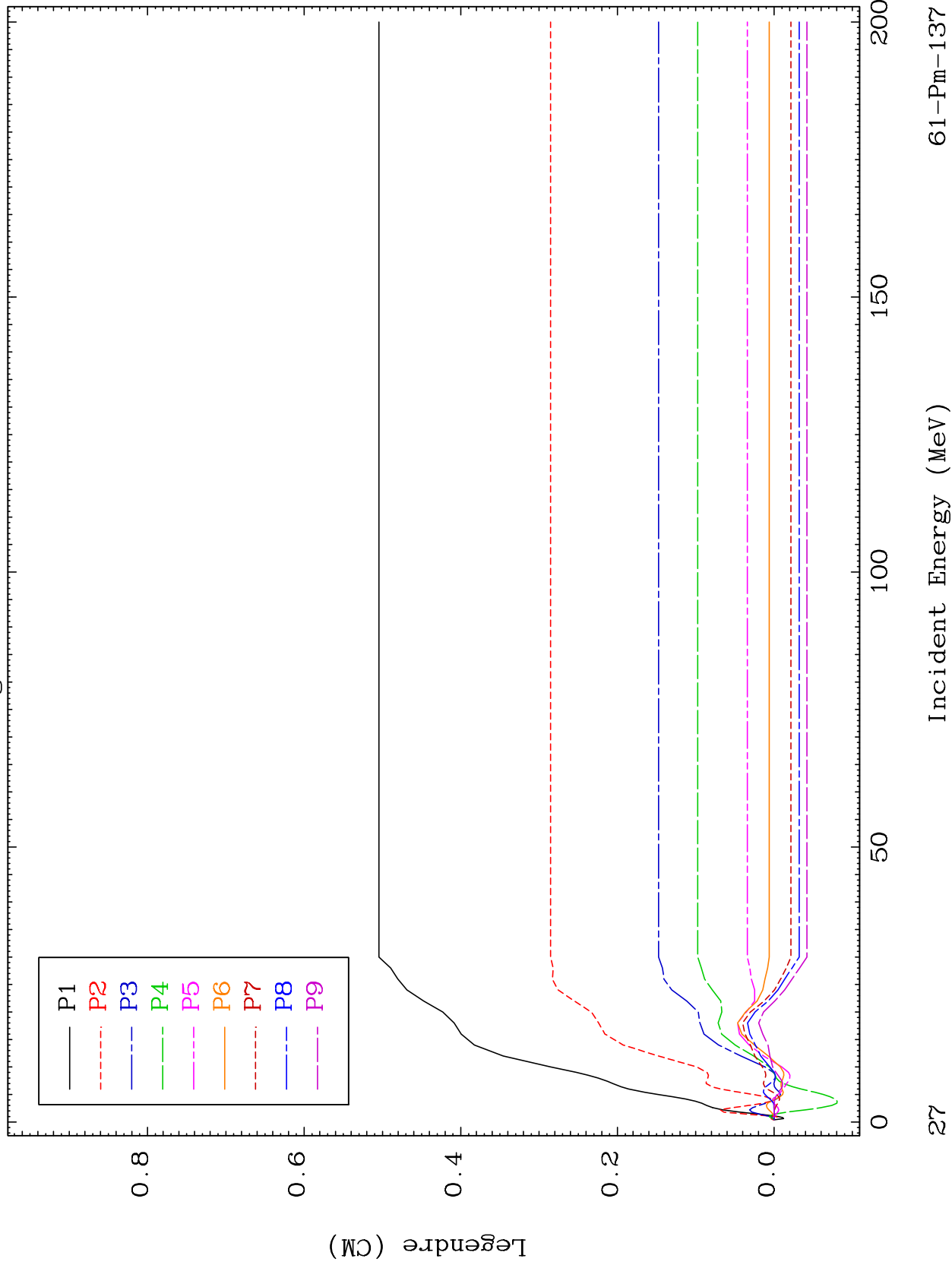
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 53 (n,n') Level
Legendre Coefficients

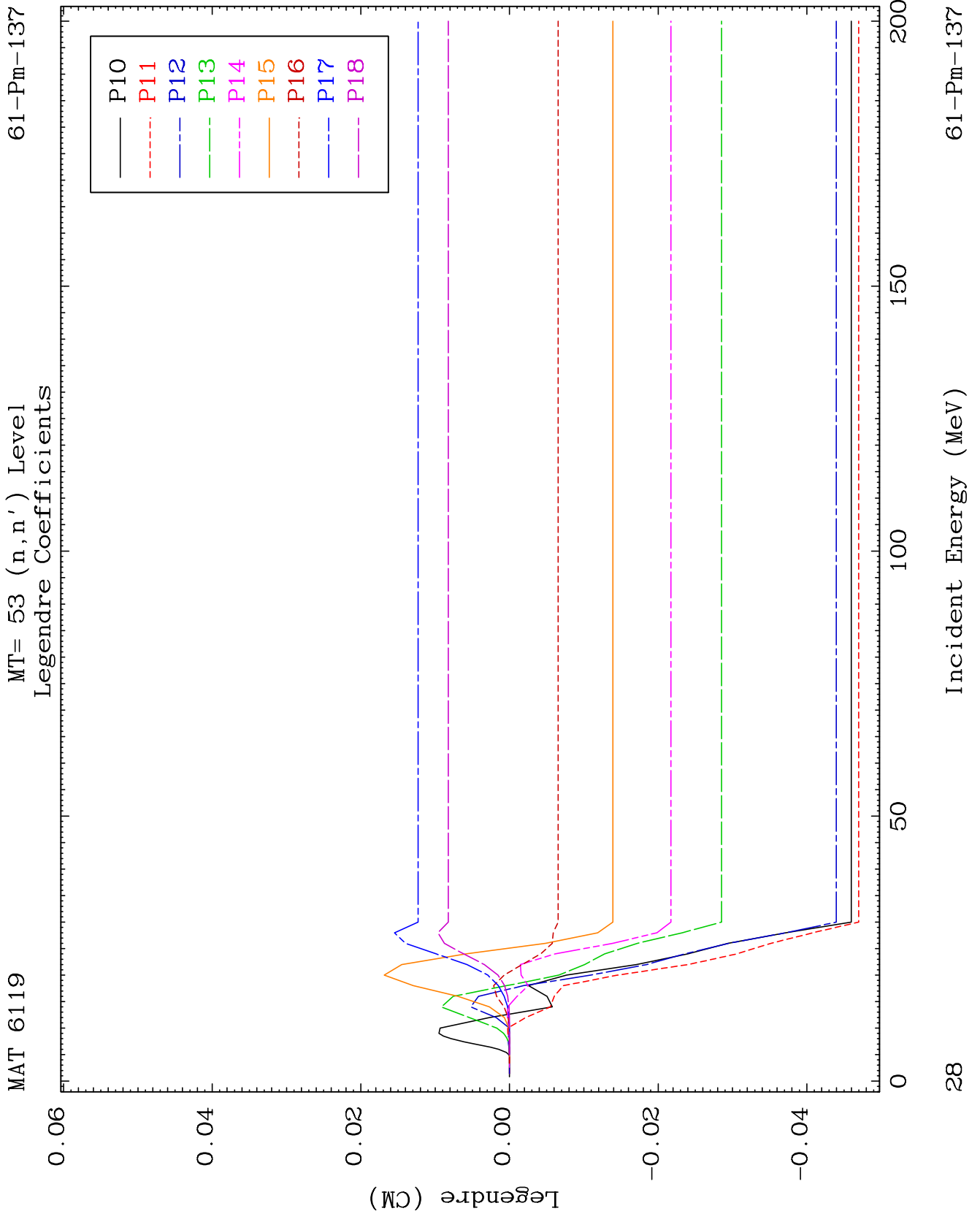
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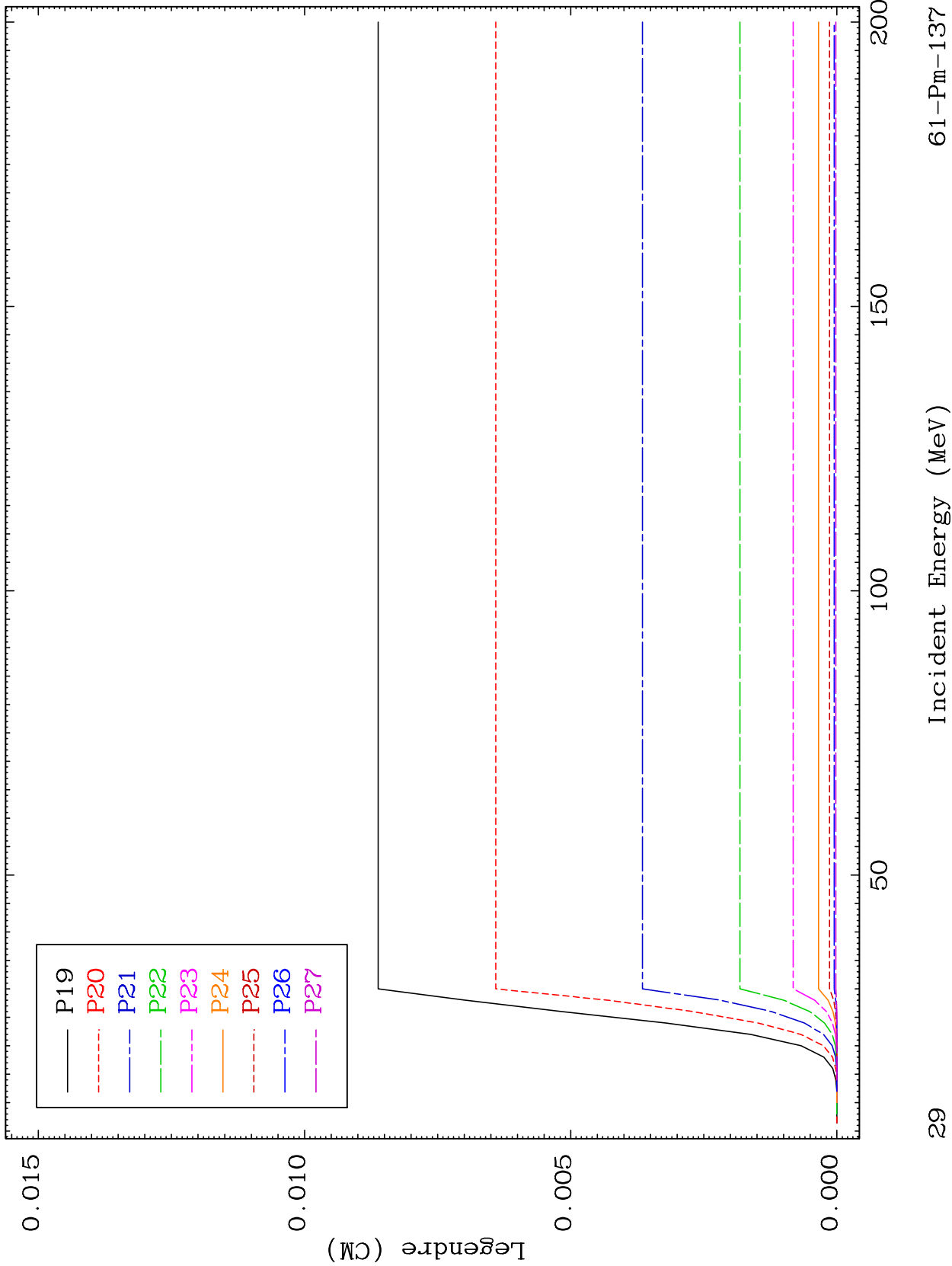


61-Pm-137

Incident Energy (MeV)

27

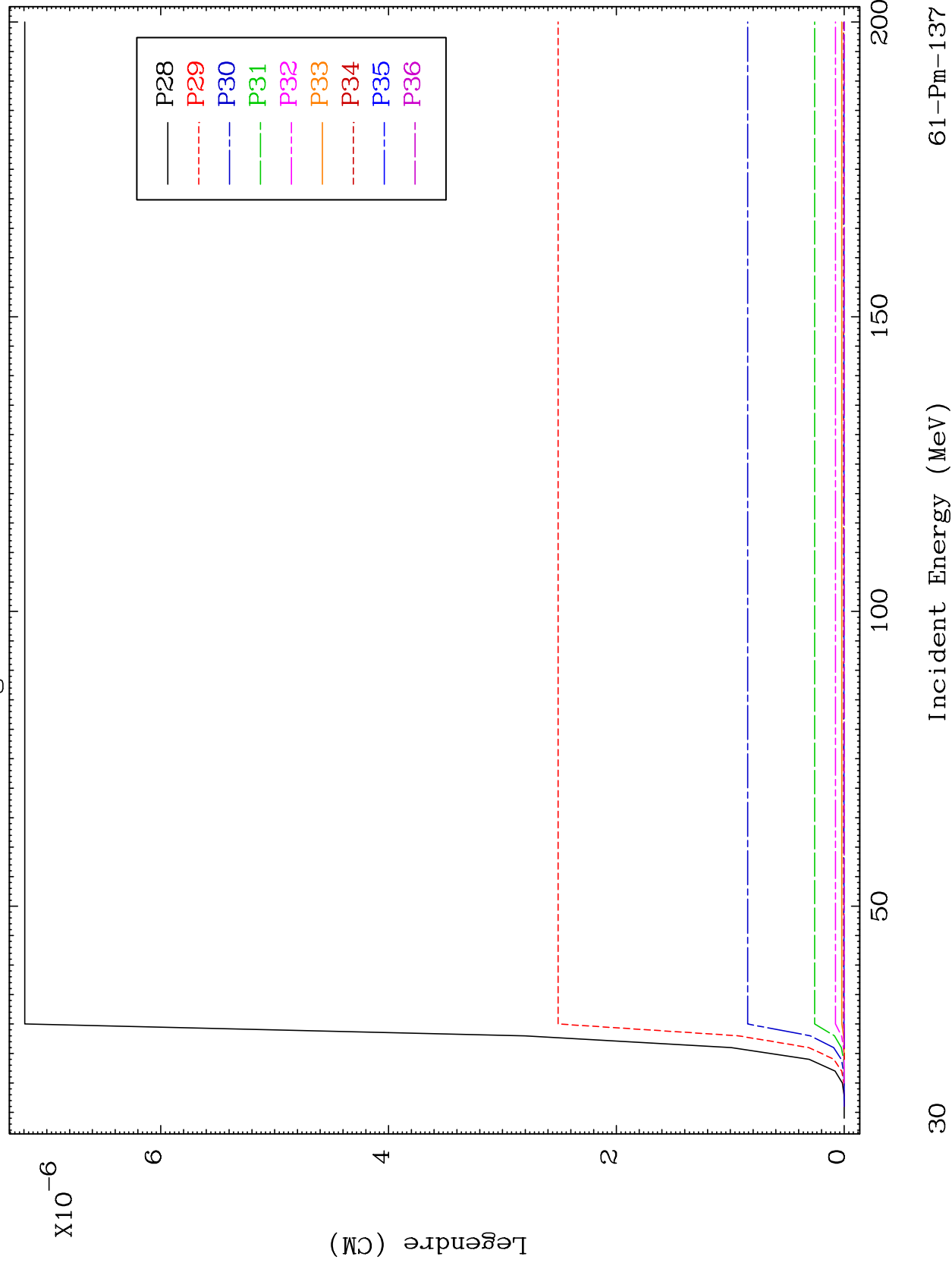




MAT 6119

MT= 53 (n,n') Level
Legendre Coefficients

61-Pm-137



61-Pm-137

Incident Energy (MeV)

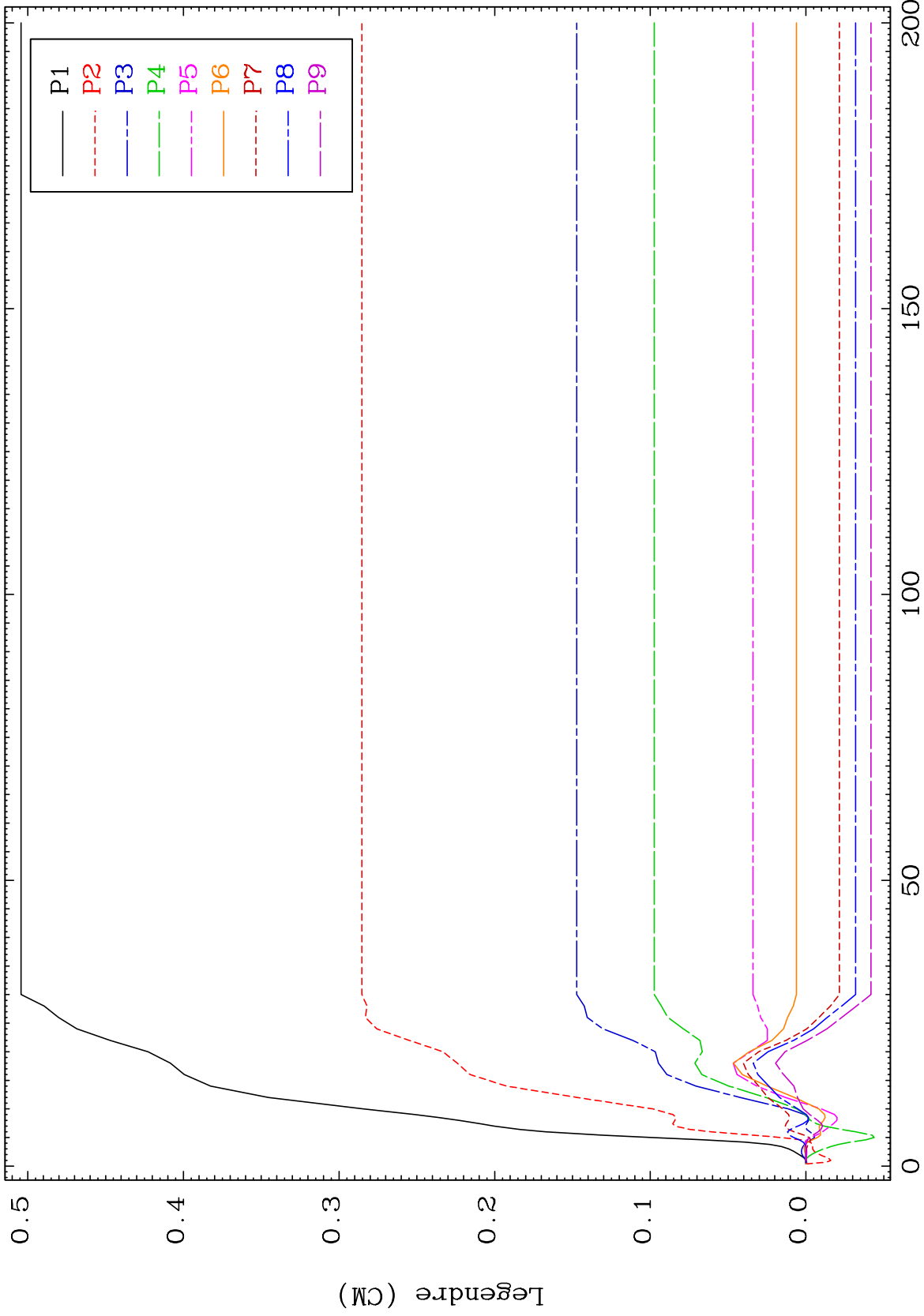
30

MAT 6119

MT= 54 (n,n') Level

61-Pm-137

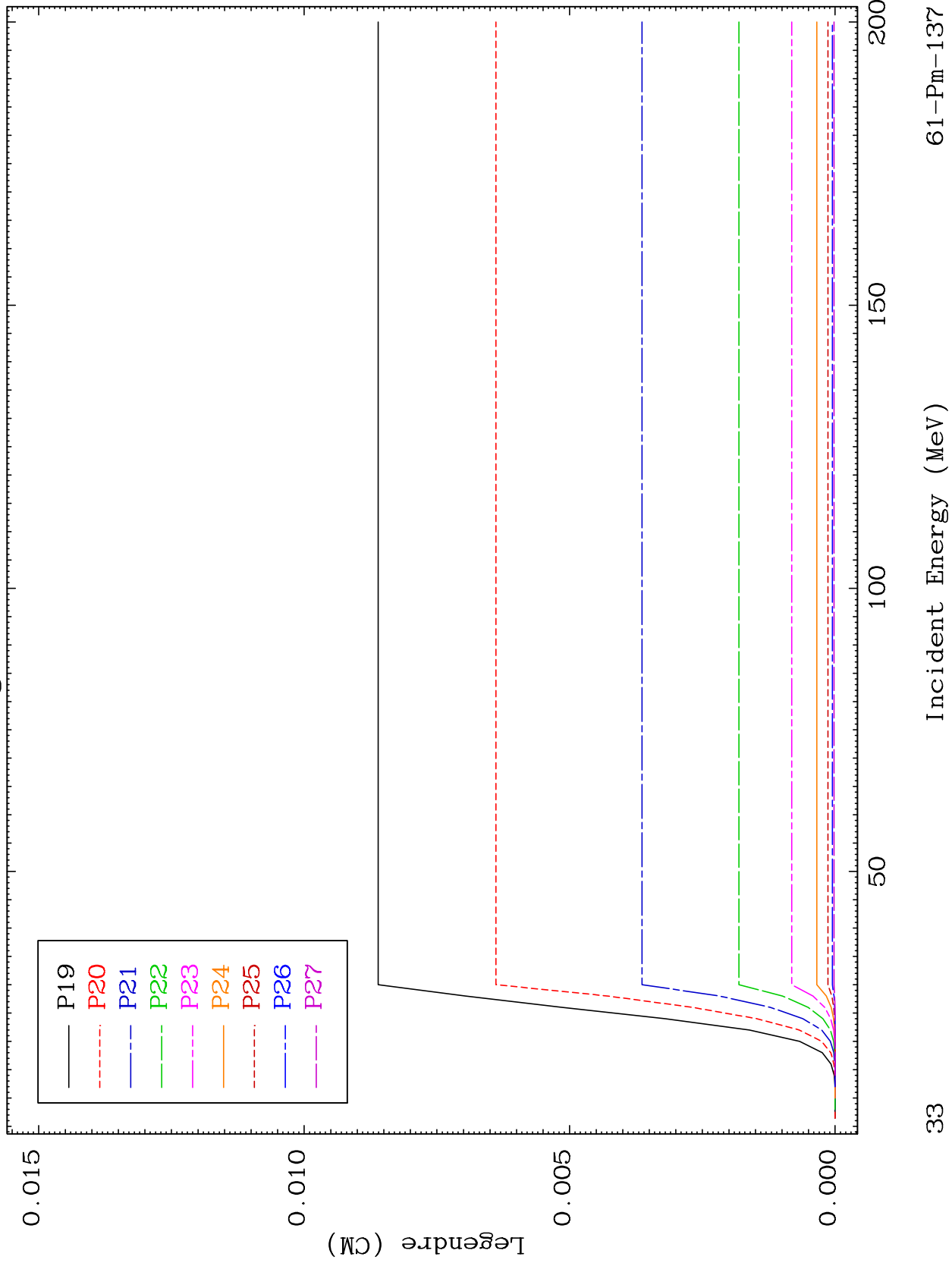
Legendre Coefficients



31

Incident Energy (MeV)

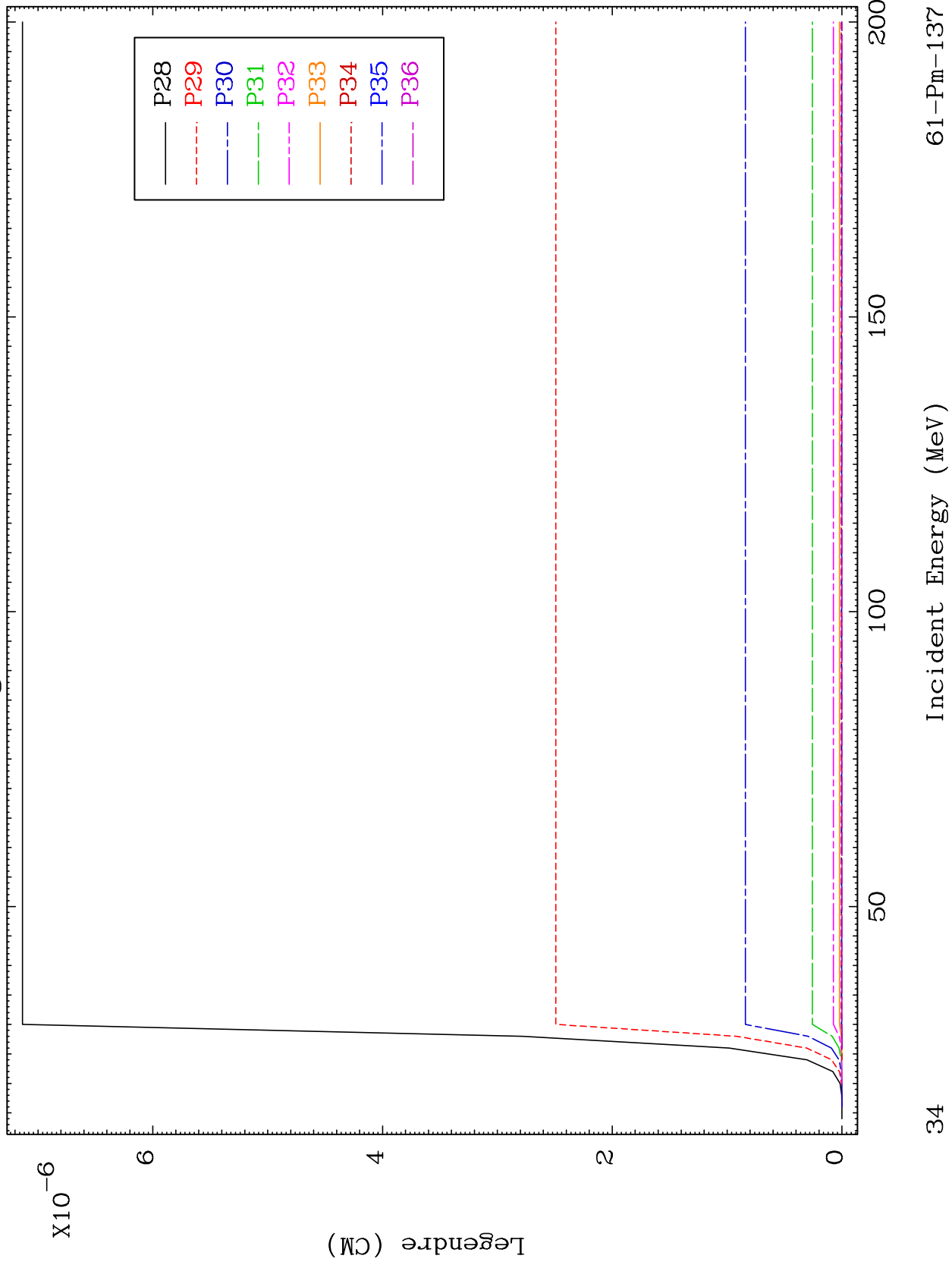
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MAT 6119

MT= 54 (n,n') Level
Legendre Coefficients

61-Pm-137



34

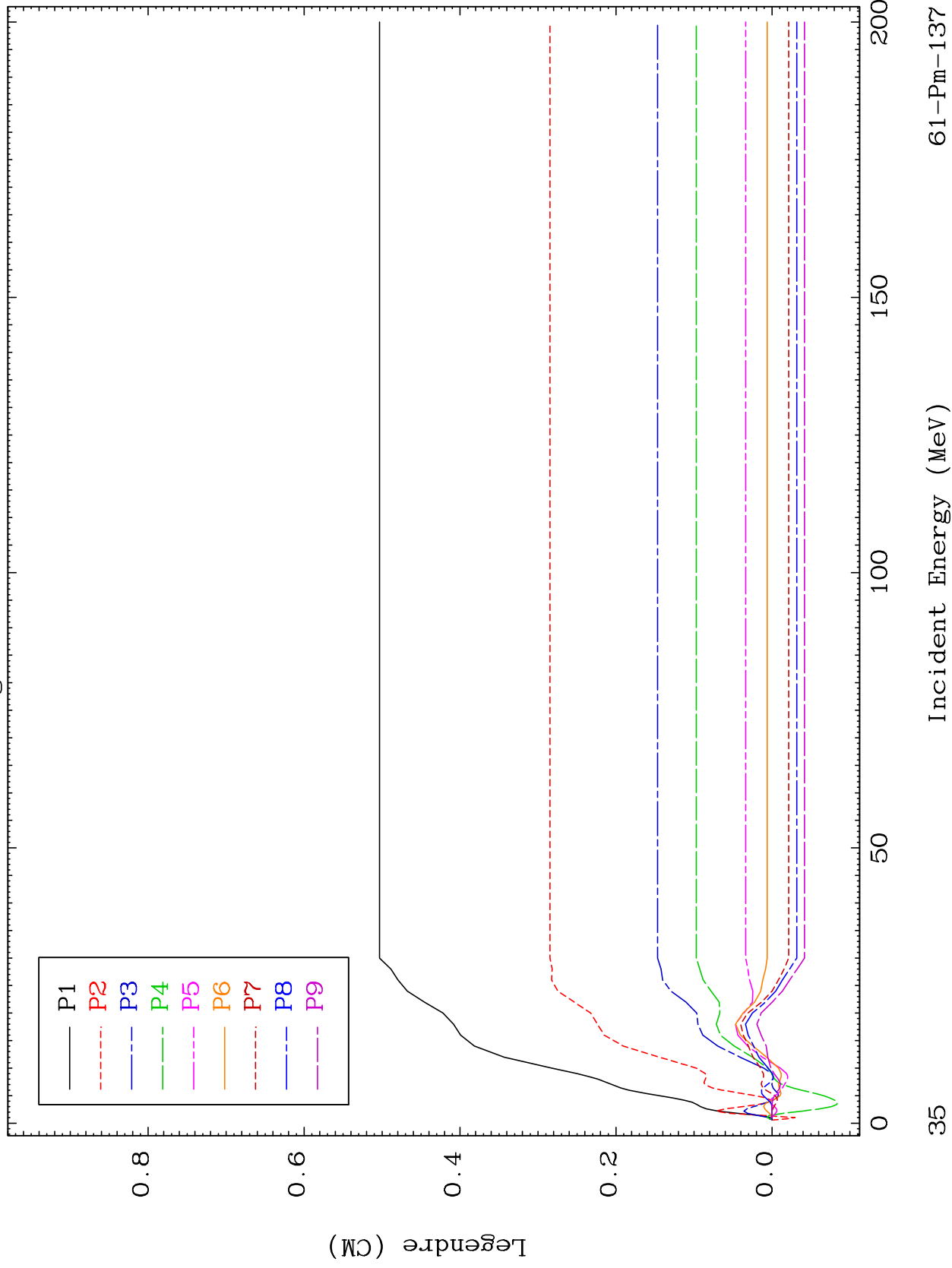
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 55 (n,n') Level
Legendre Coefficients

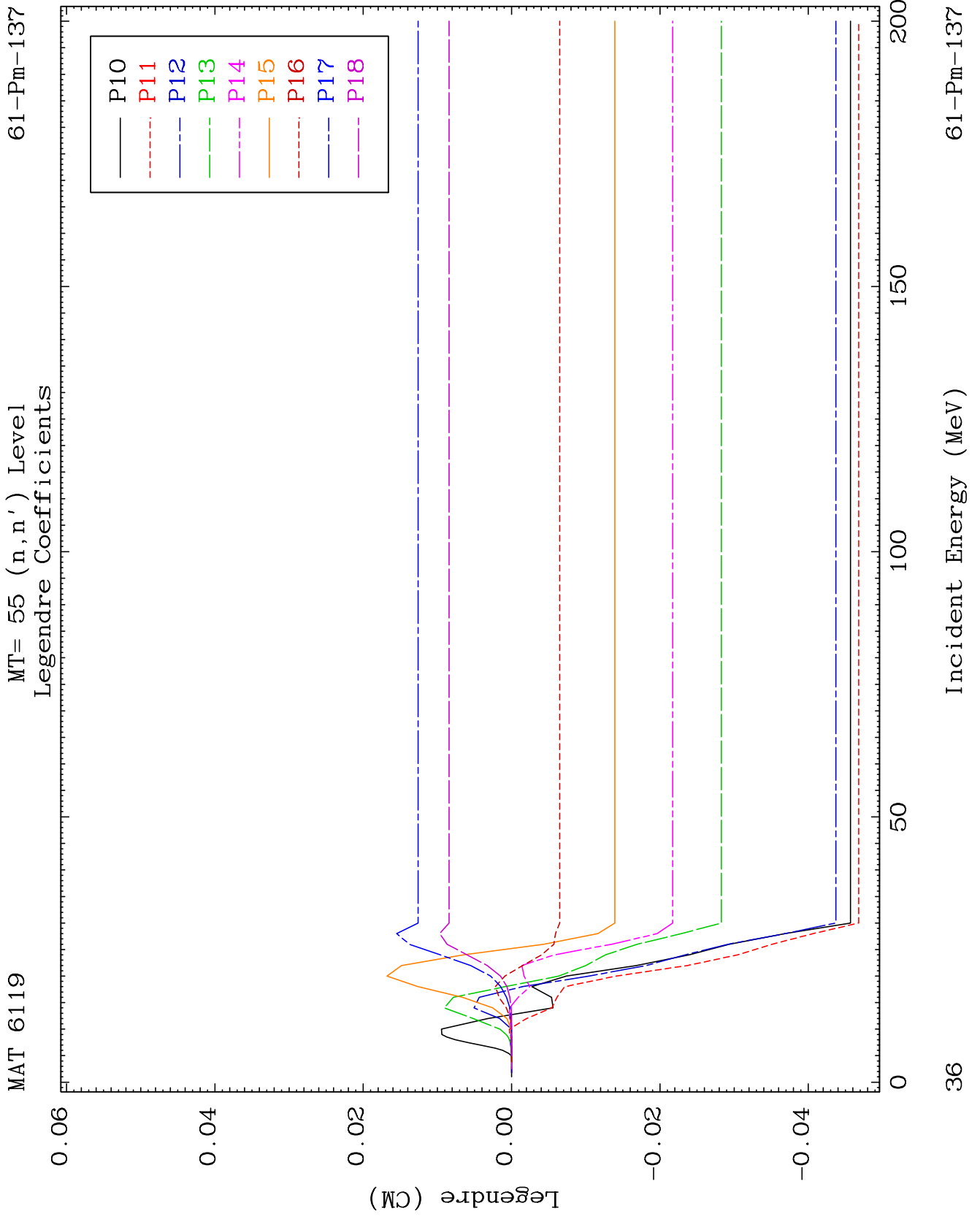
61-Pm-137



61-Pm-137

Incident Energy (MeV)

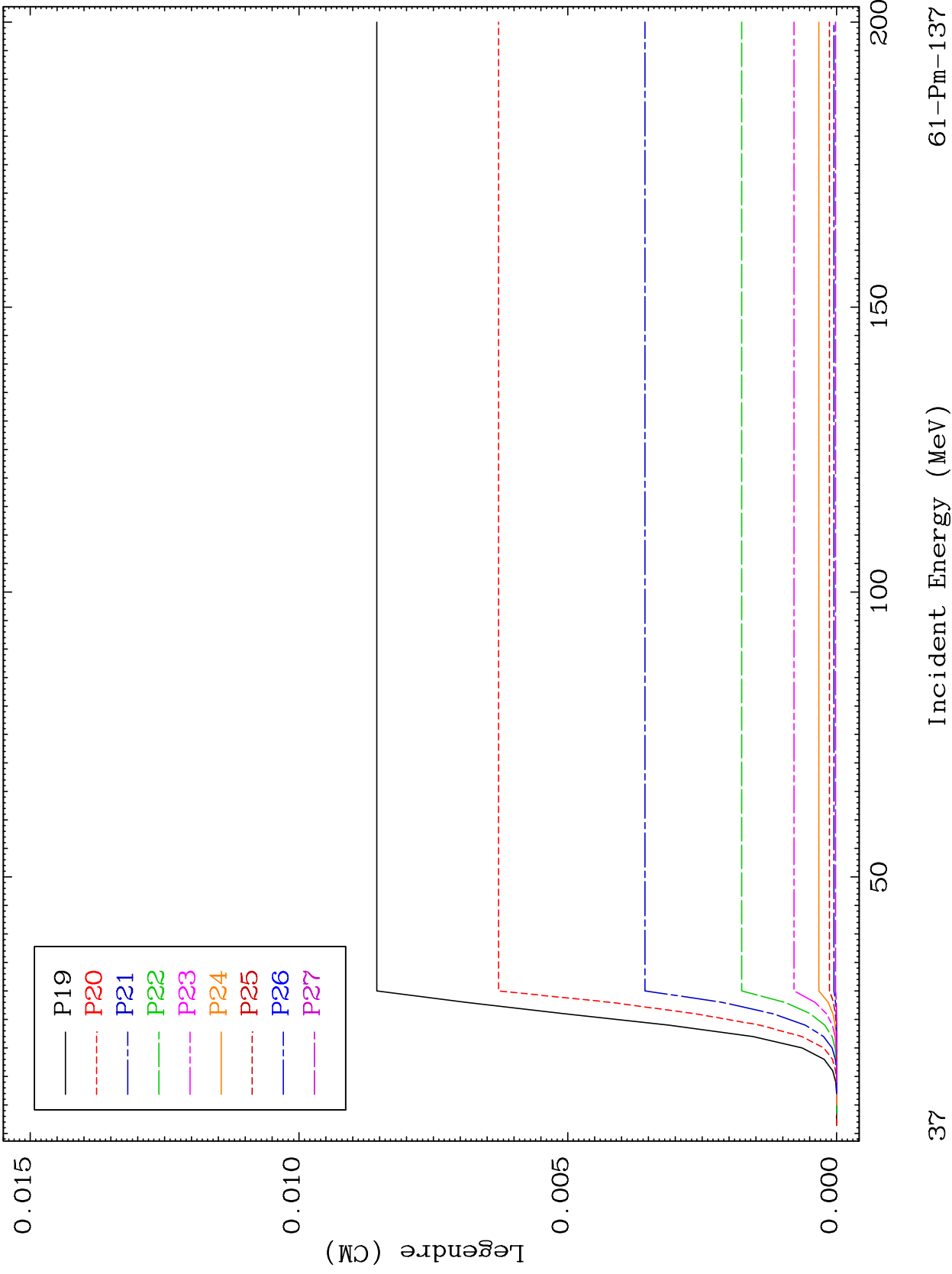
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MAT 6119

MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-137



37

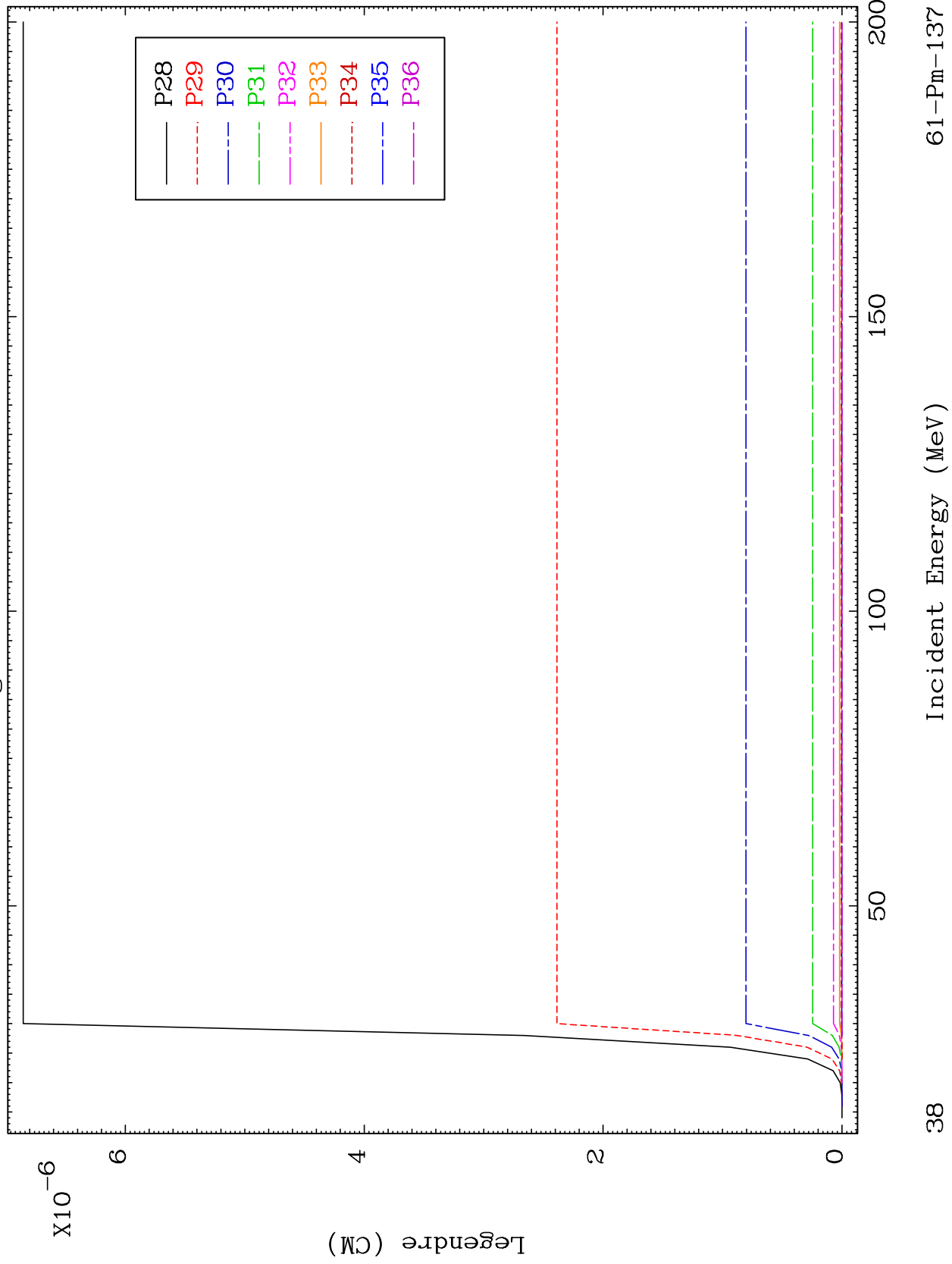
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-137



38

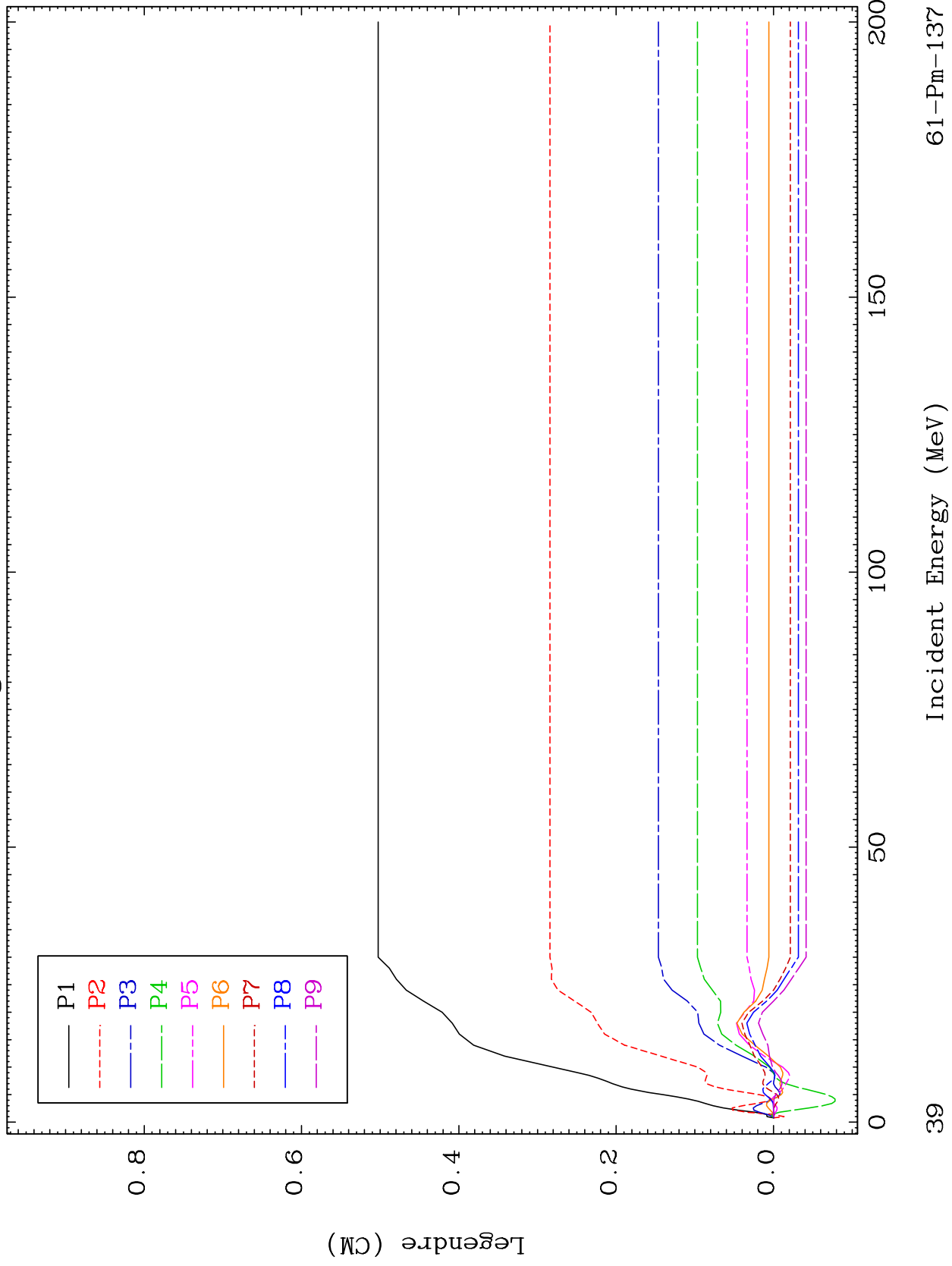
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 56 (n,n') Level
Legendre Coefficients

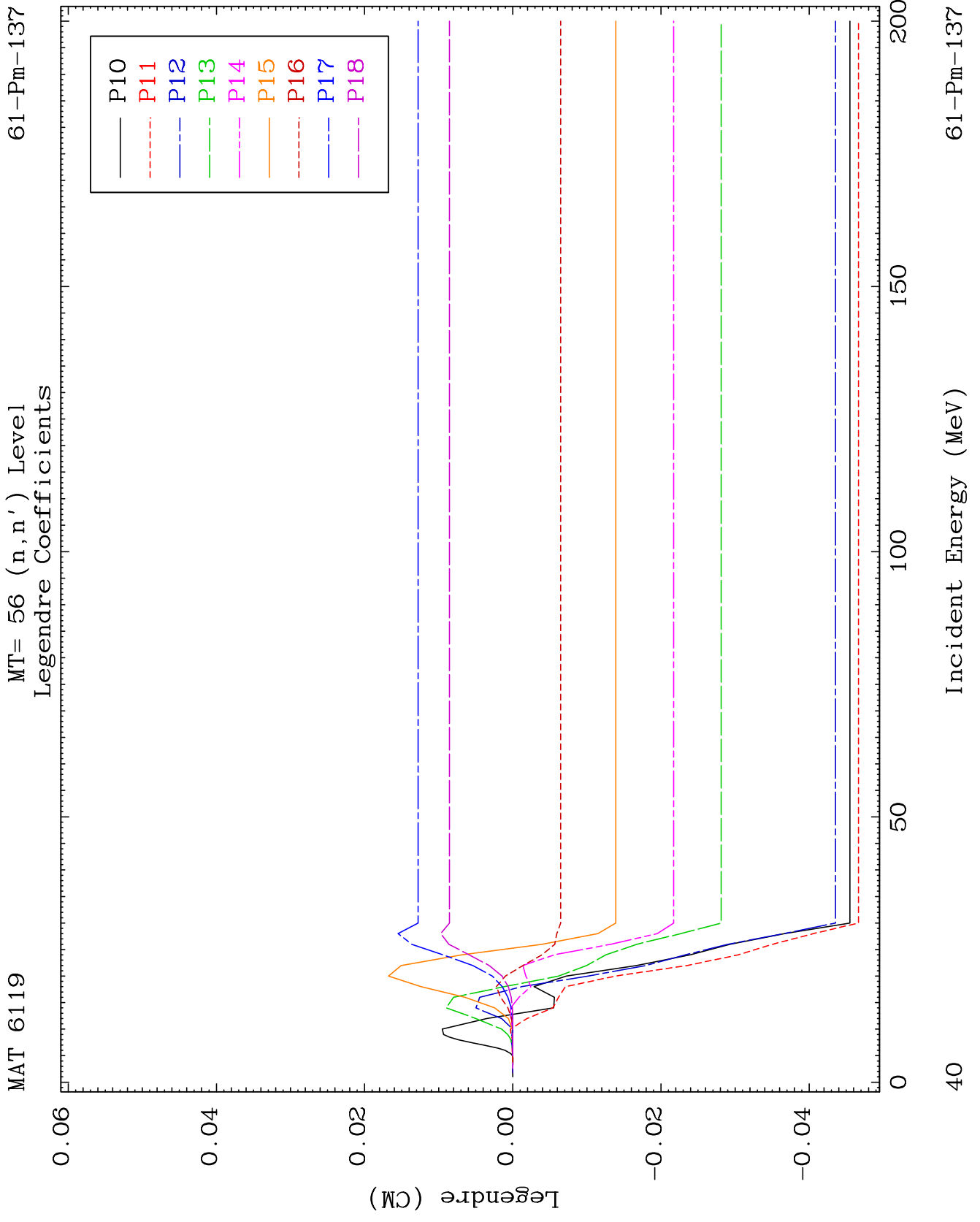
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39

Incident Energy (MeV)

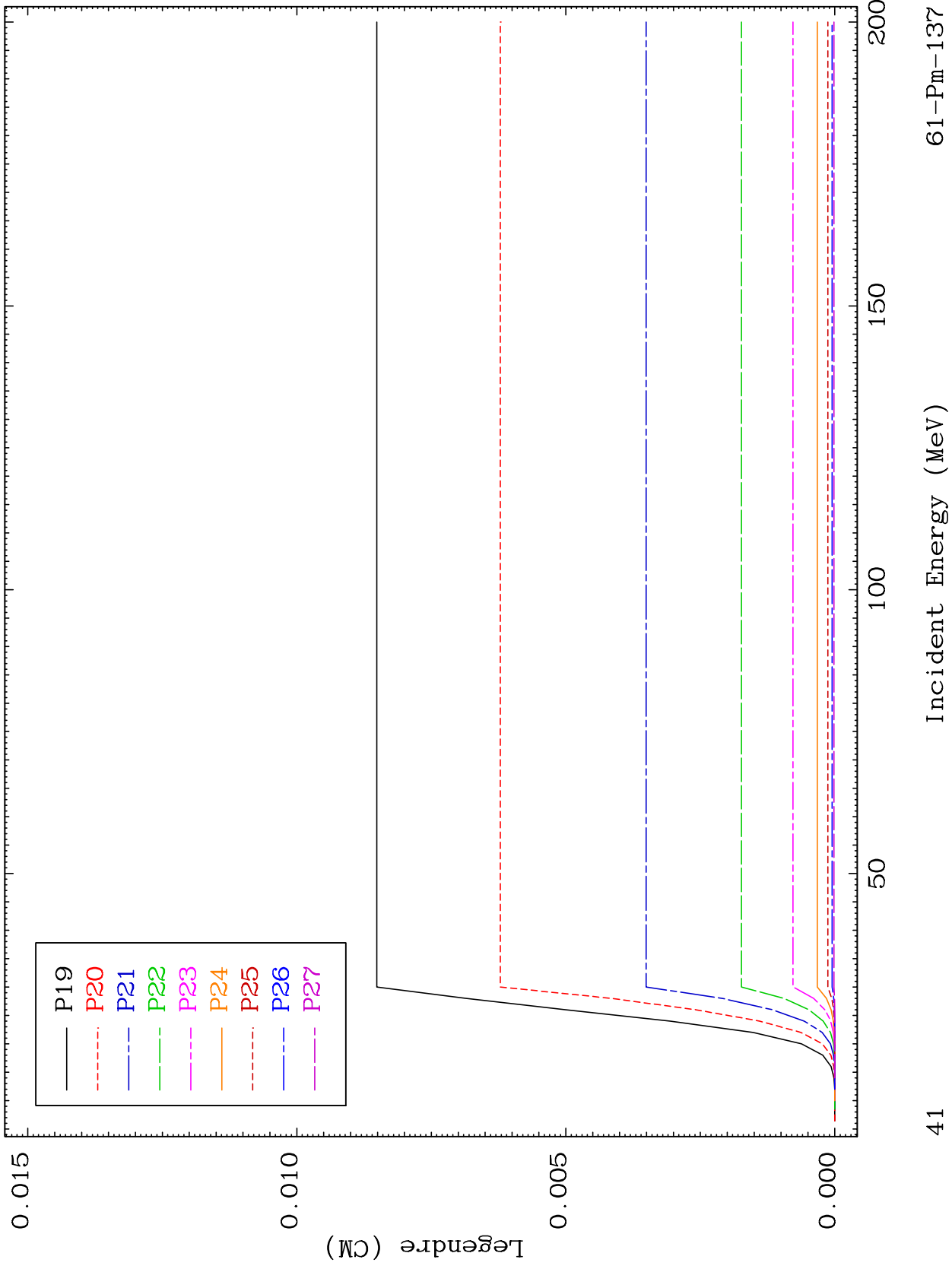
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MAT 6119

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-137



41

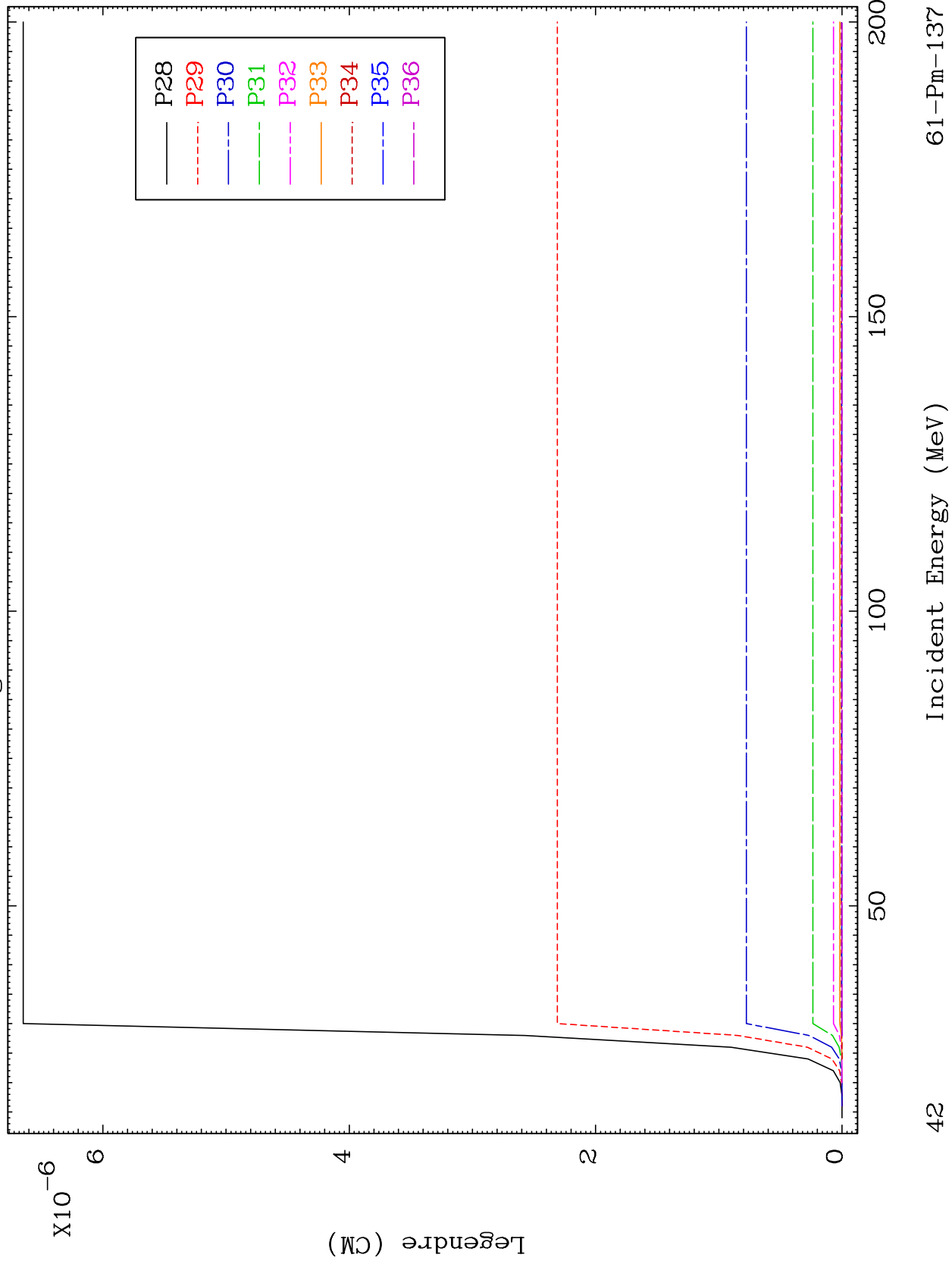
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 56 (n,n') Level
Legendre Coefficients

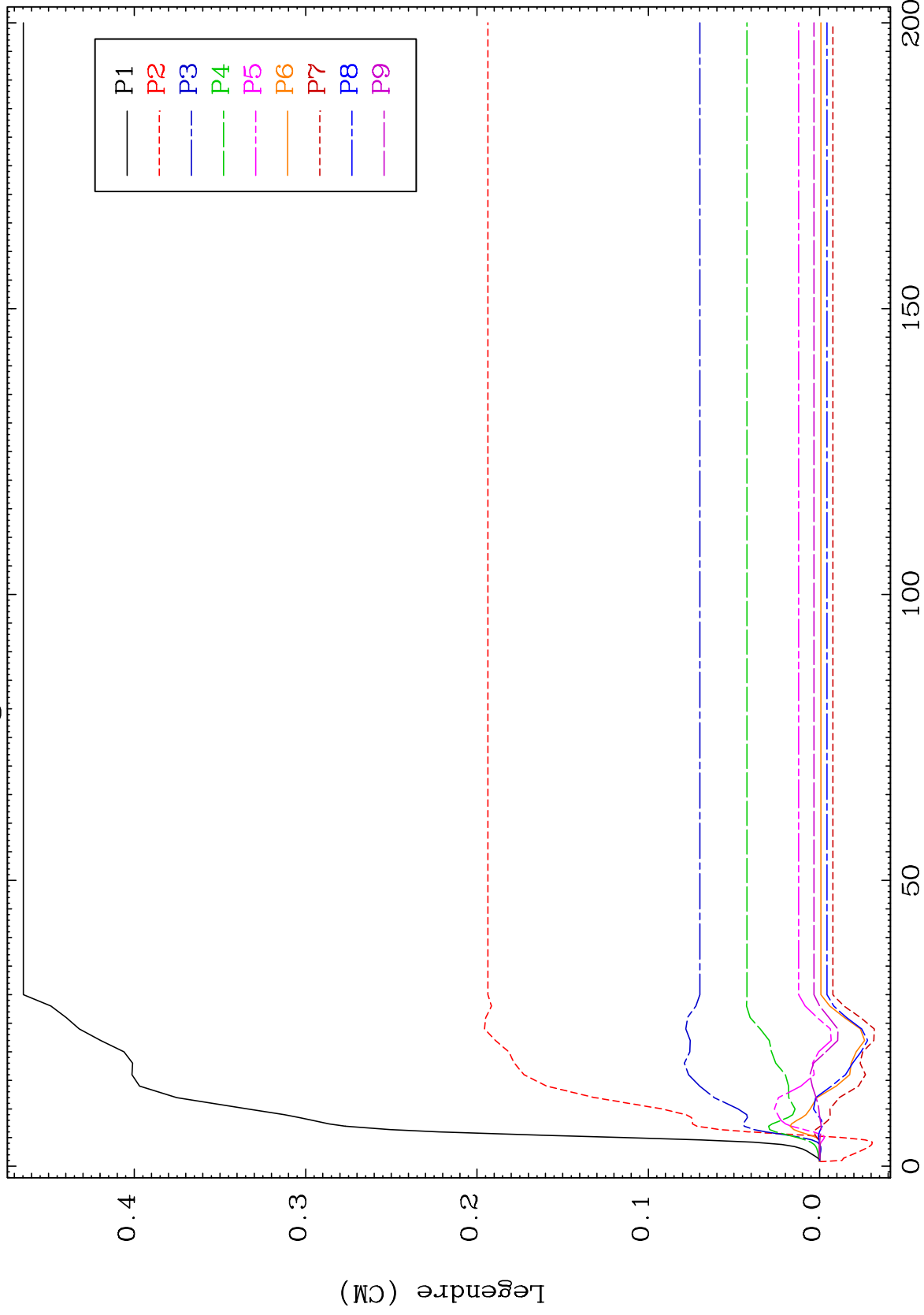
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MAT 6119

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-137



43

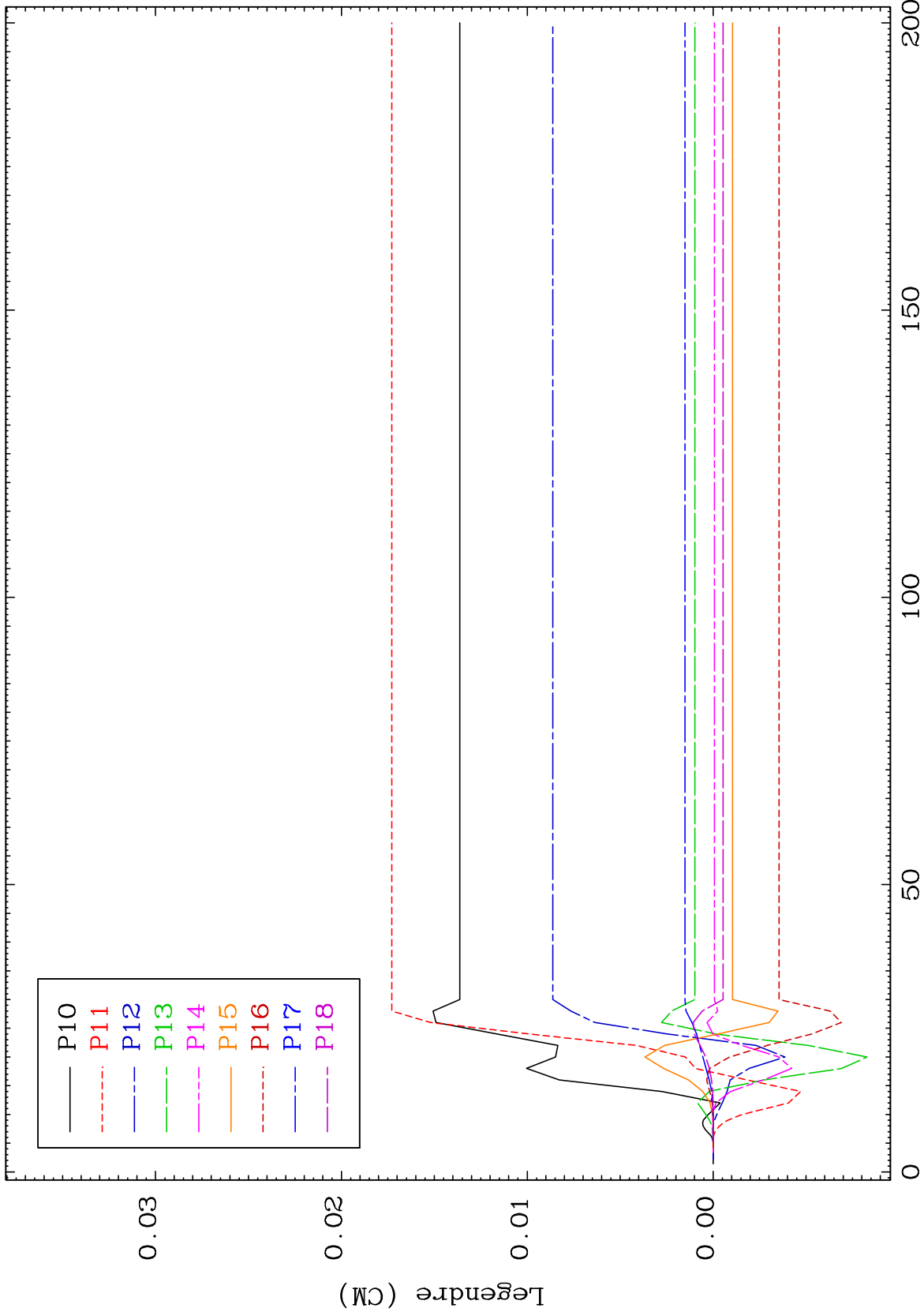
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-137



44

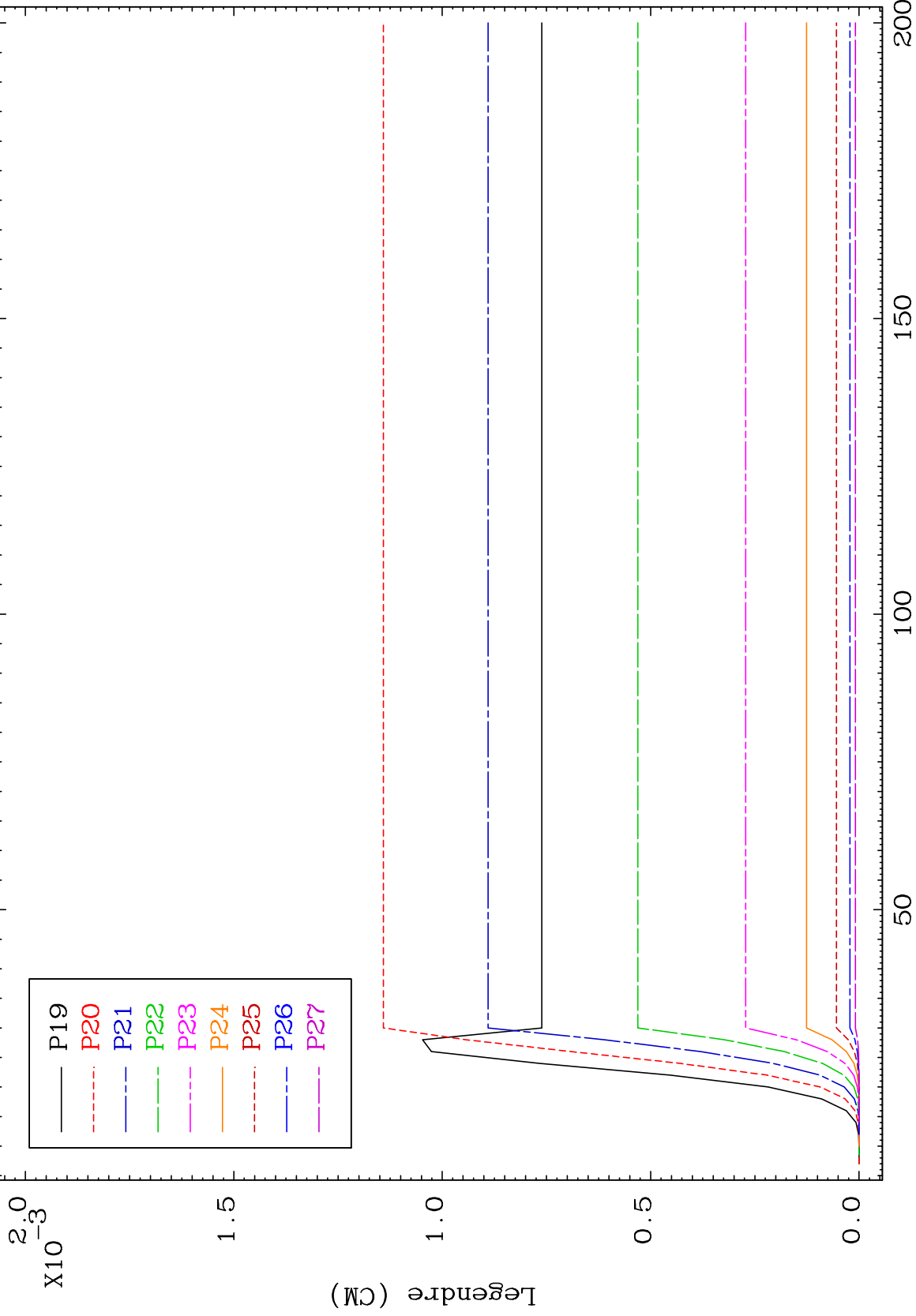
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-137



45

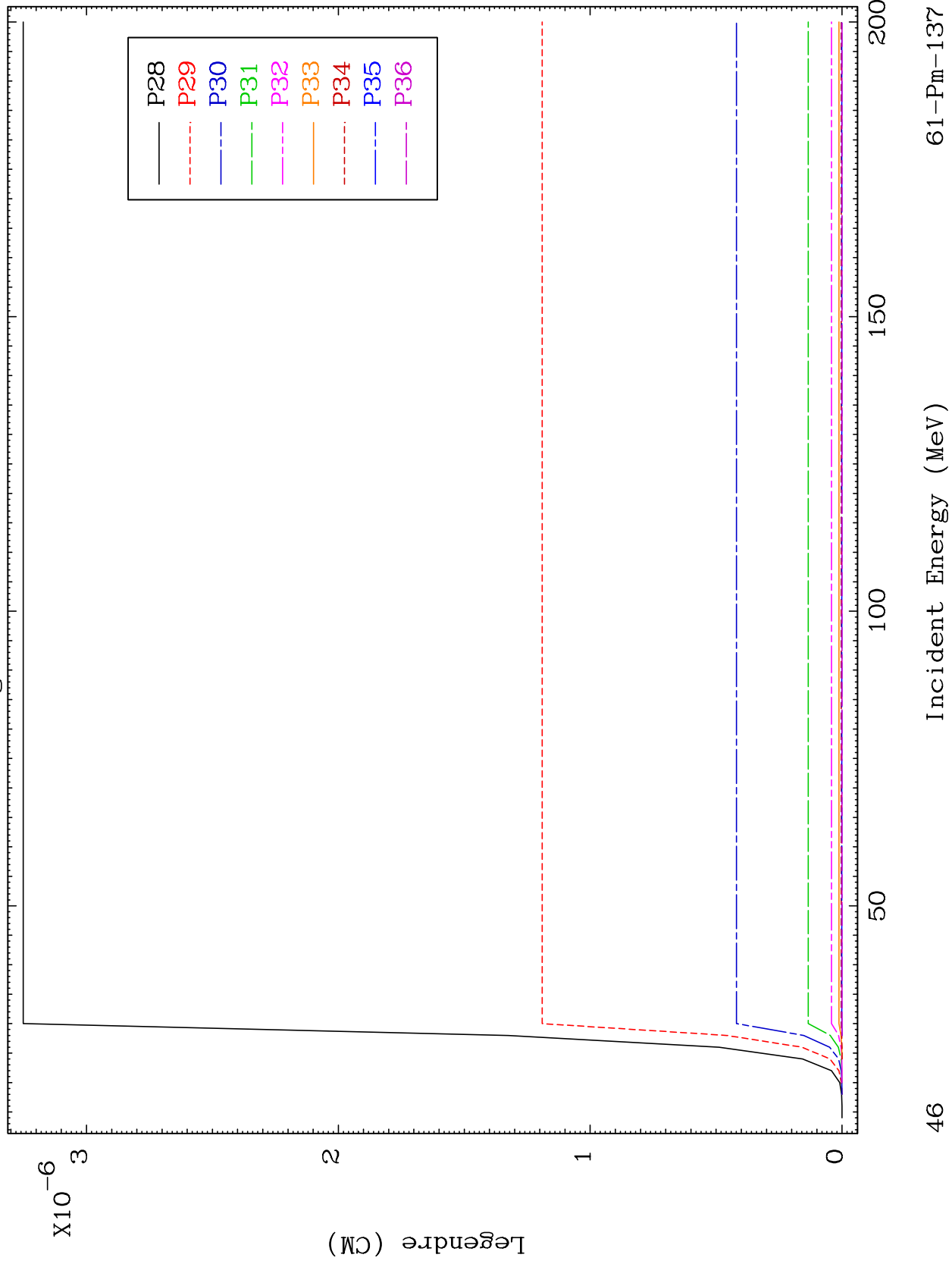
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-137



46

Incident Energy (MeV)

61-Pm-137

200

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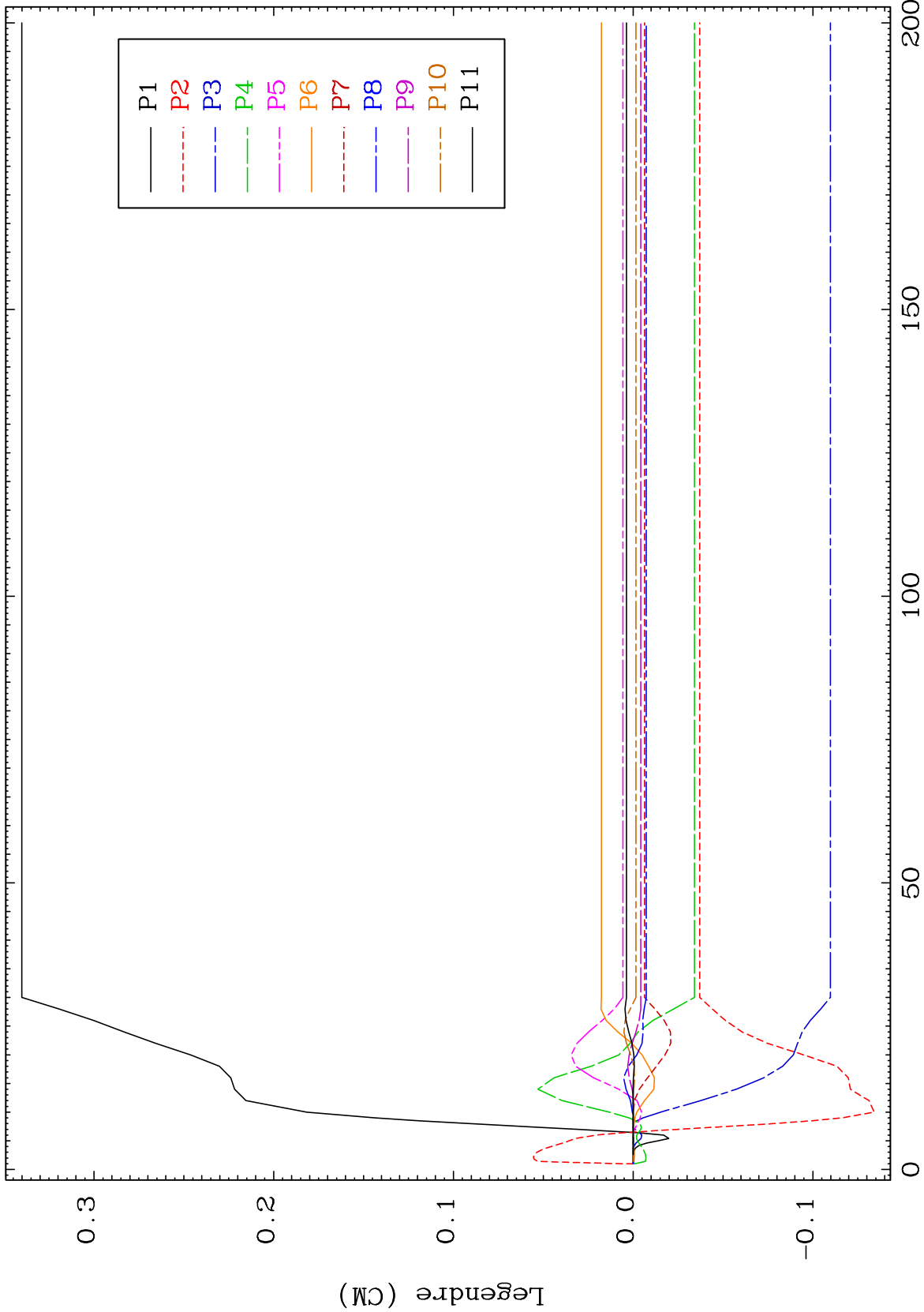
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50

MAT 6119

MT= 58 (n,n') Level
Legendre Coefficients

61-Pm-137



47

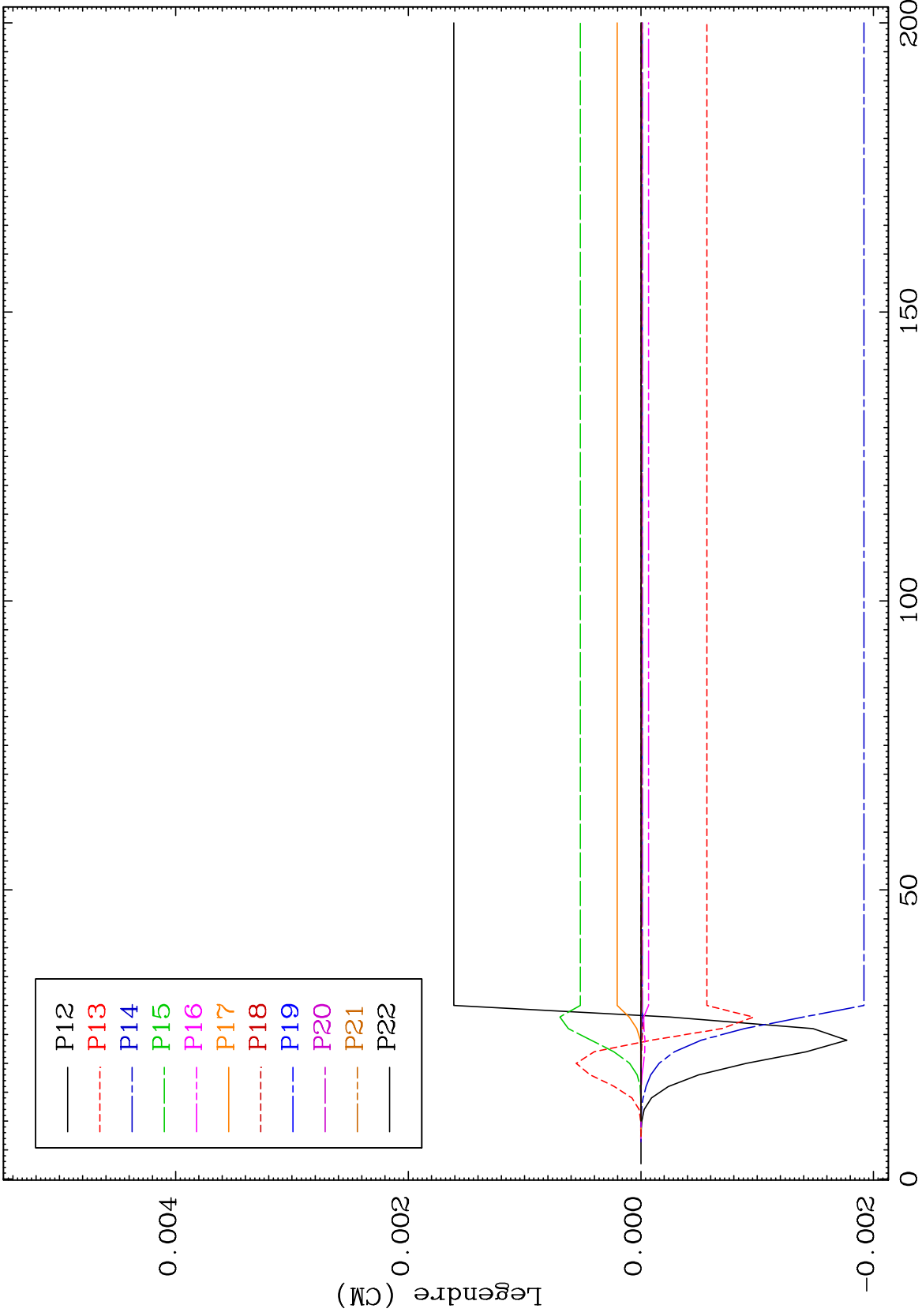
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 58 (n,n') Level
Legendre Coefficients

61-Pm-137



48

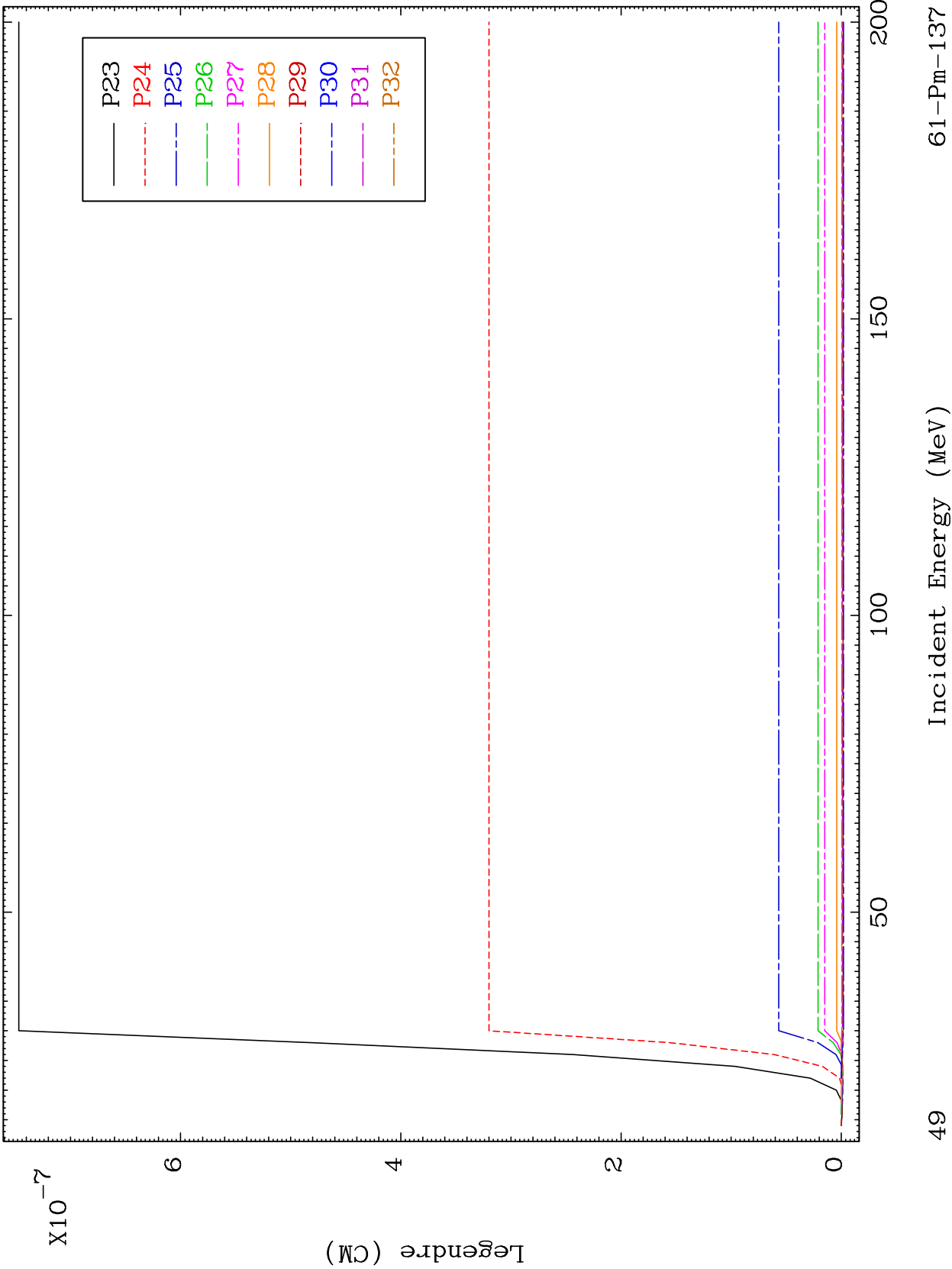
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 58 (n,n') Level
Legendre Coefficients

61-Pm-137



49

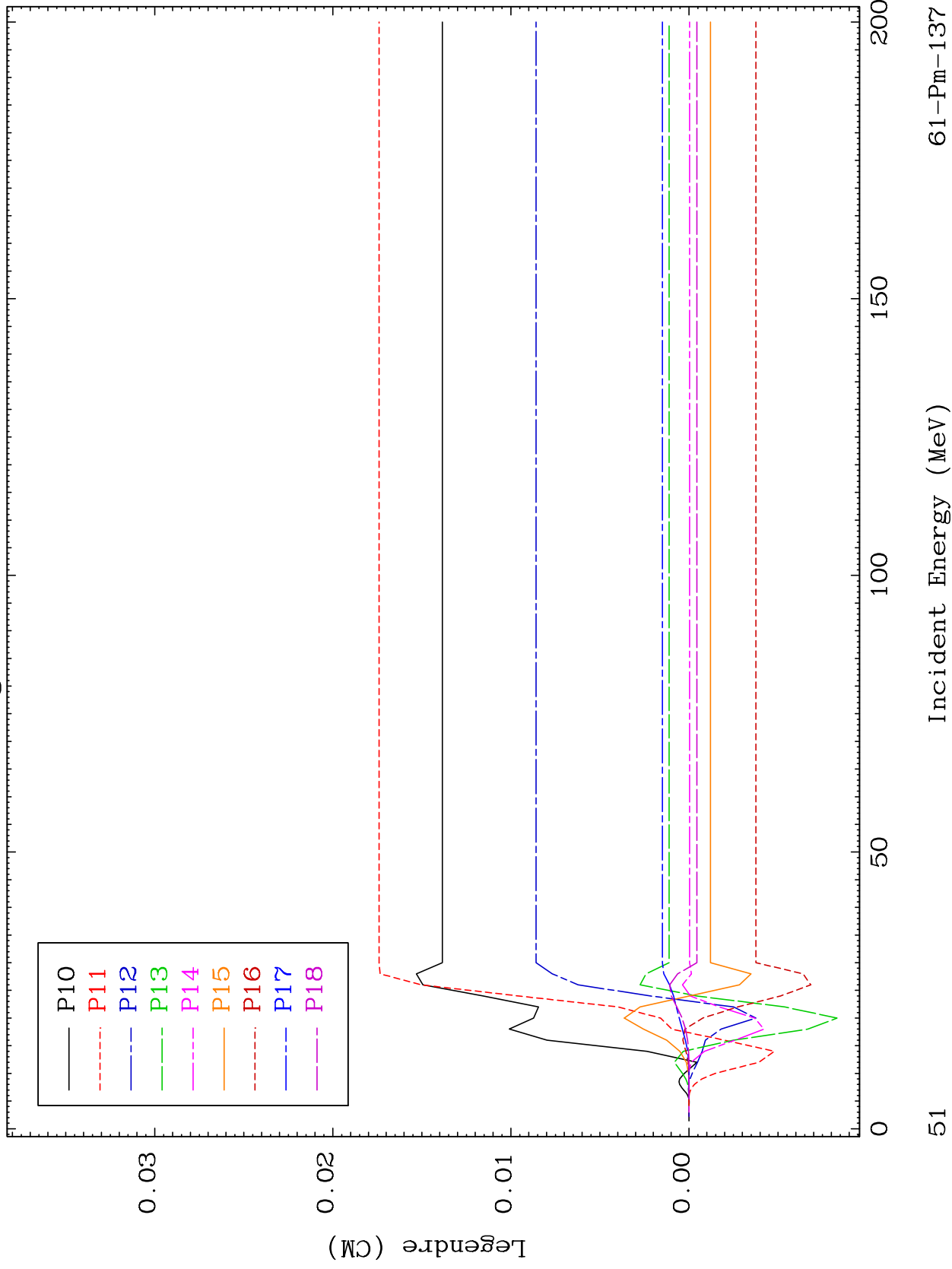
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 59 (n,n') Level
Legendre Coefficients

61-Pm-137



51

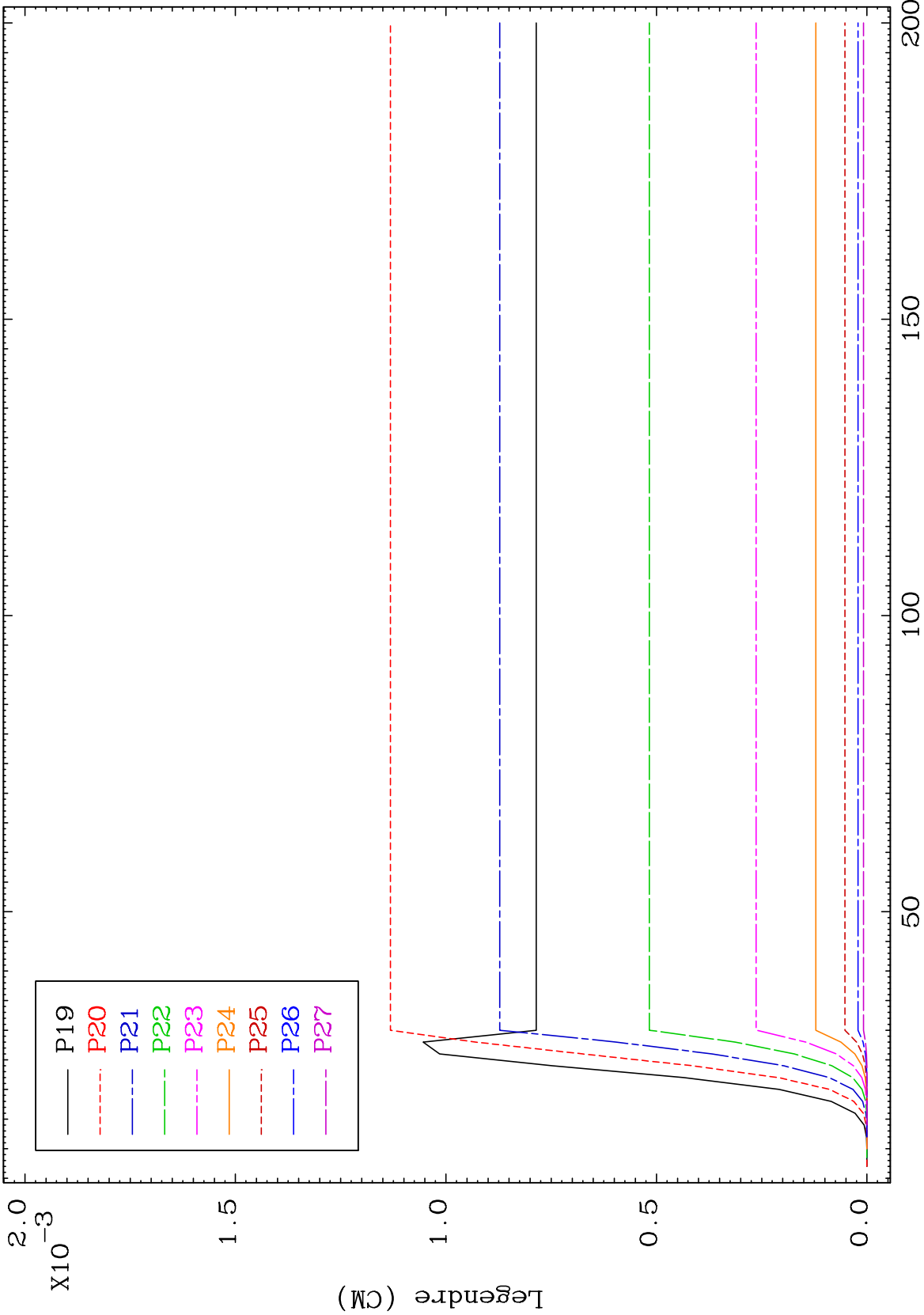
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 59 (n,n') Level
Legendre Coefficients

61-Pm-137



52

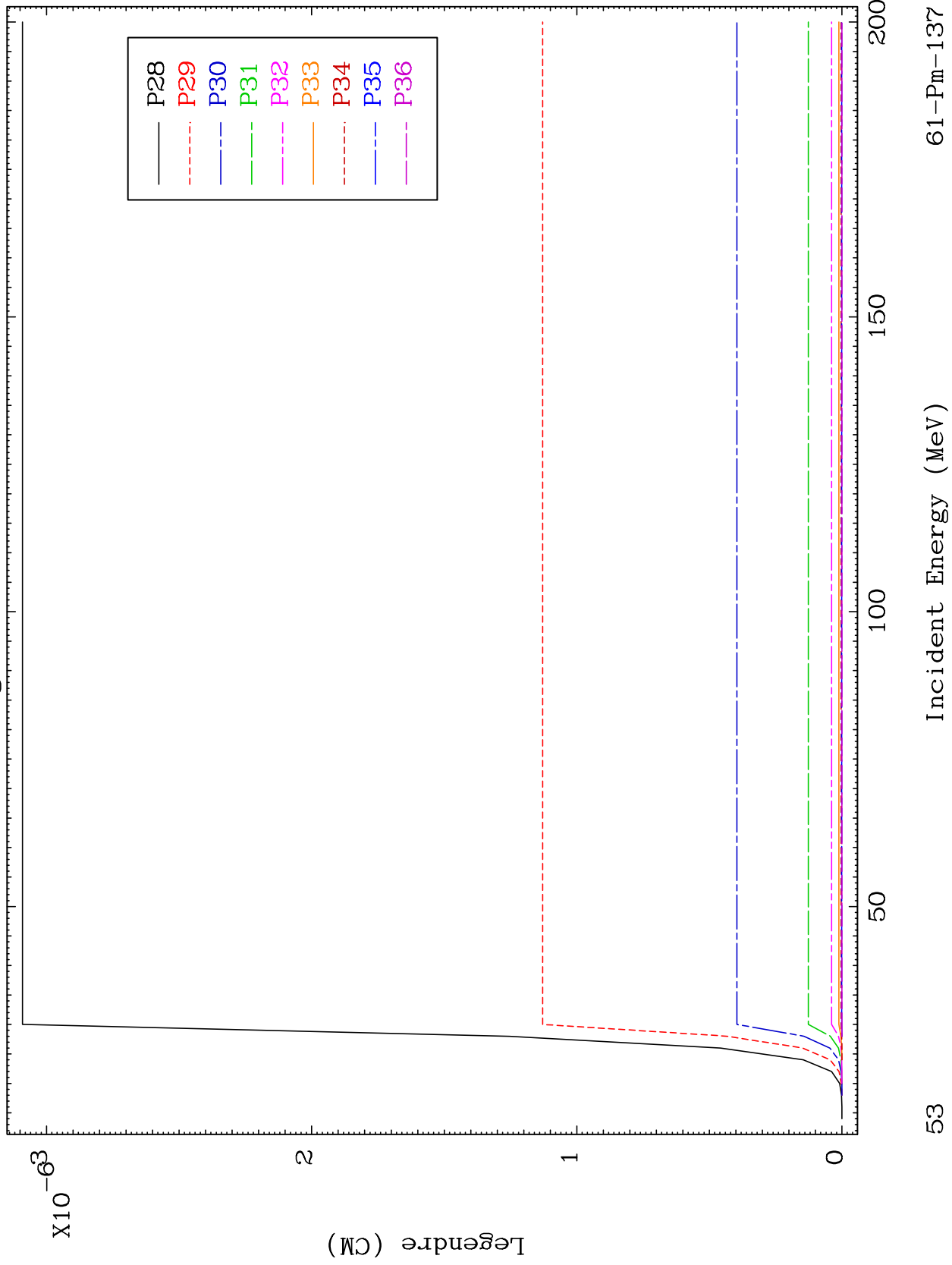
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 59 (n,n') Level
Legendre Coefficients

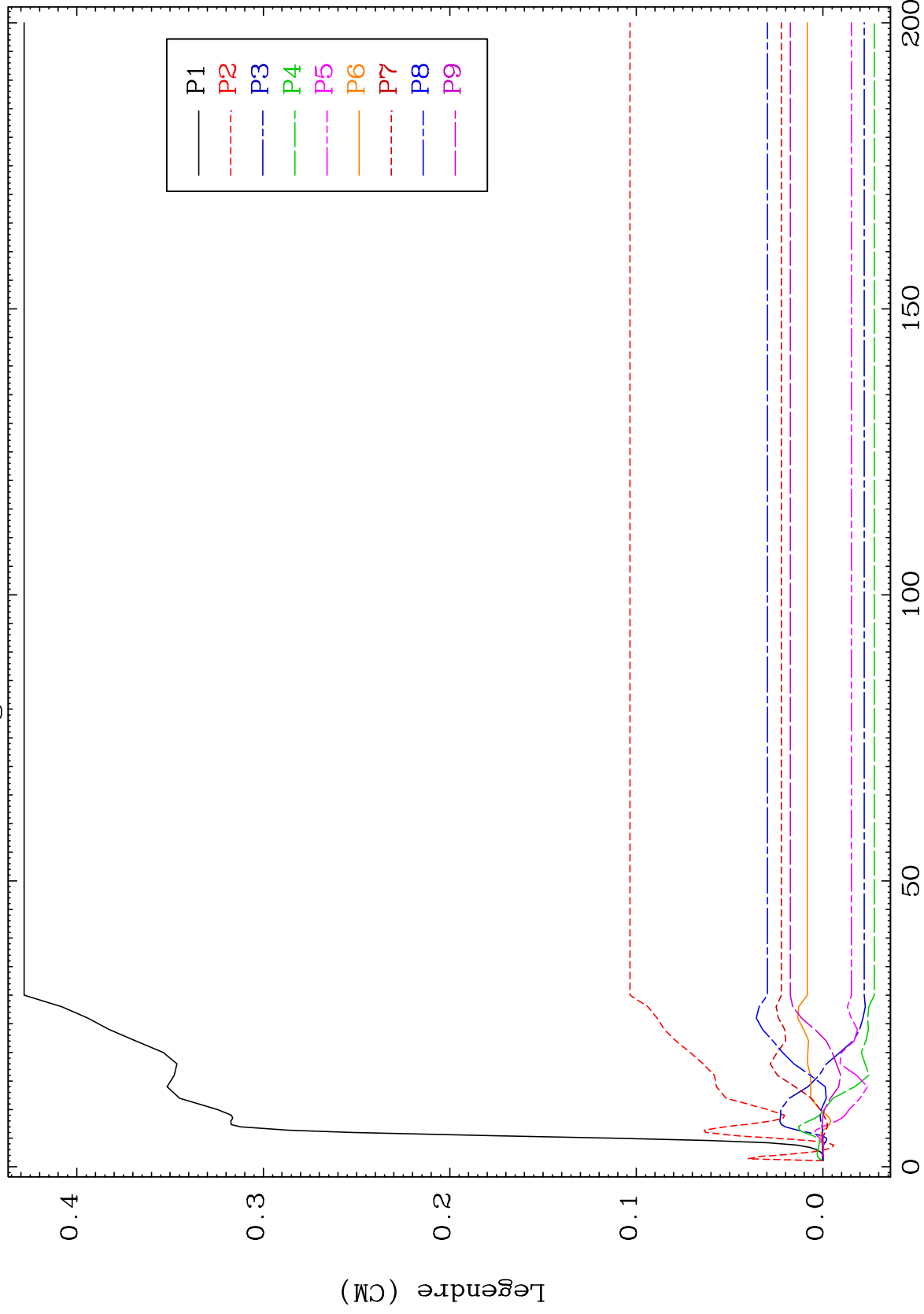
61-Pm-137



MAT 6119

MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-137



54

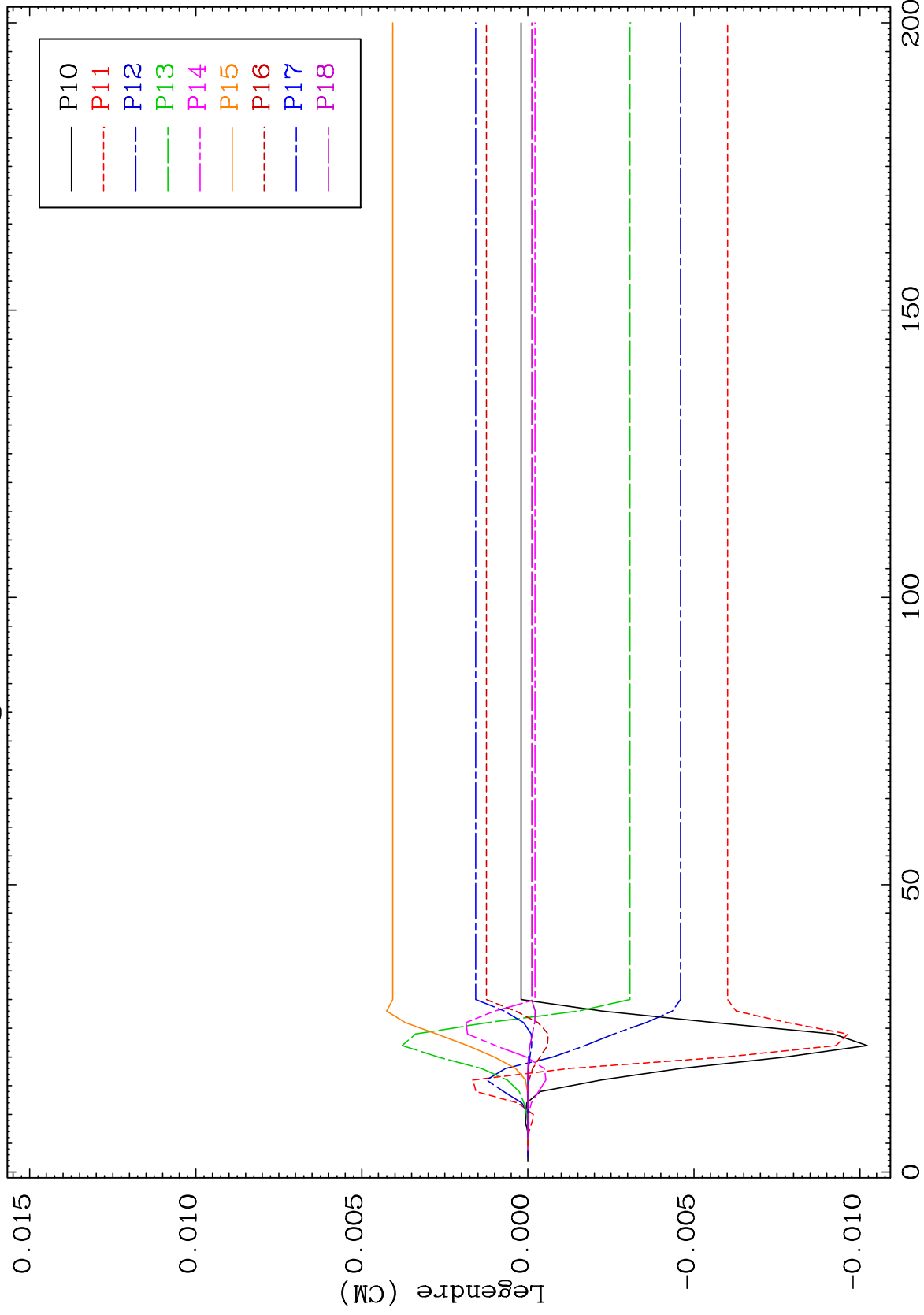
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-137



55

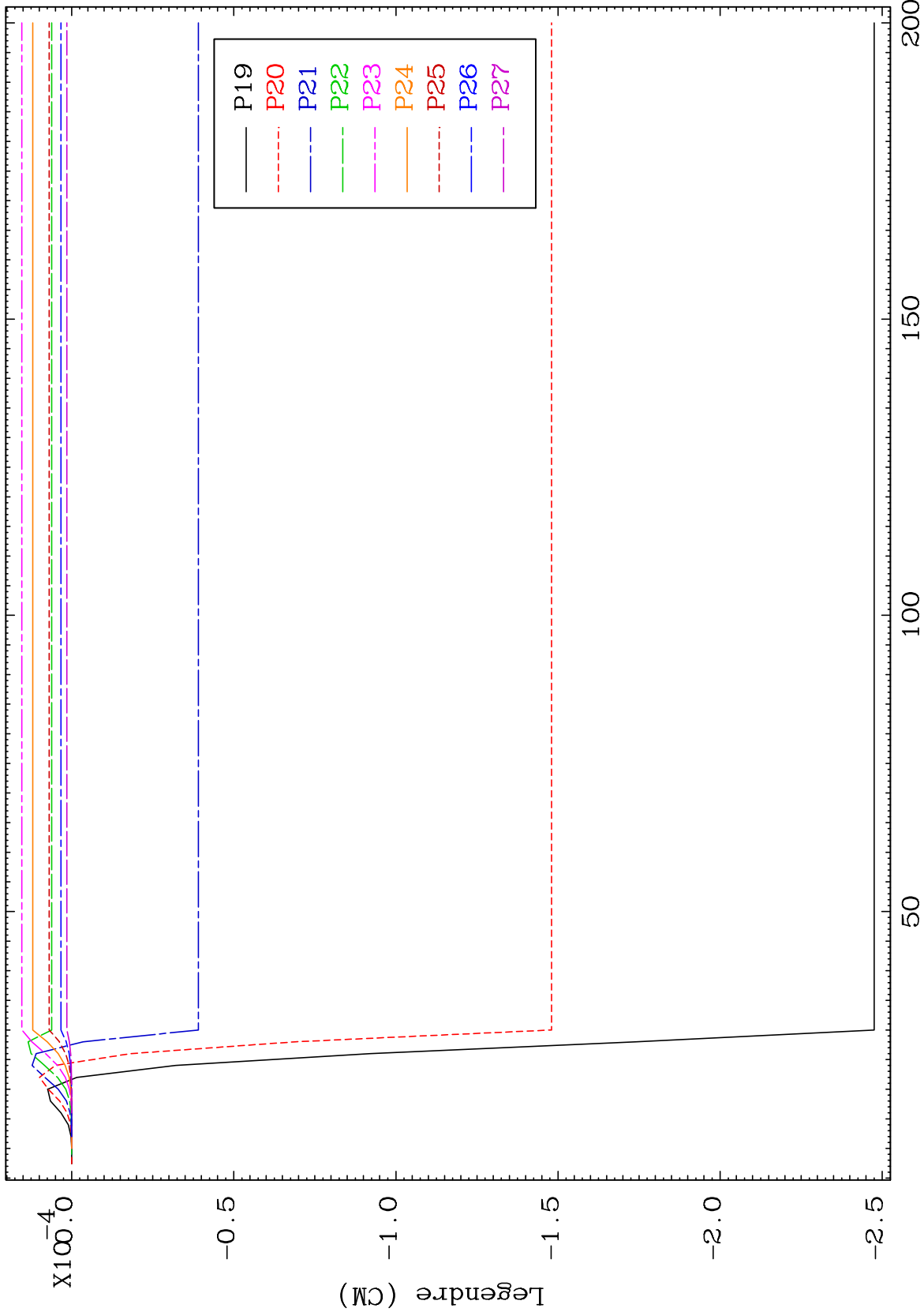
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-137



56

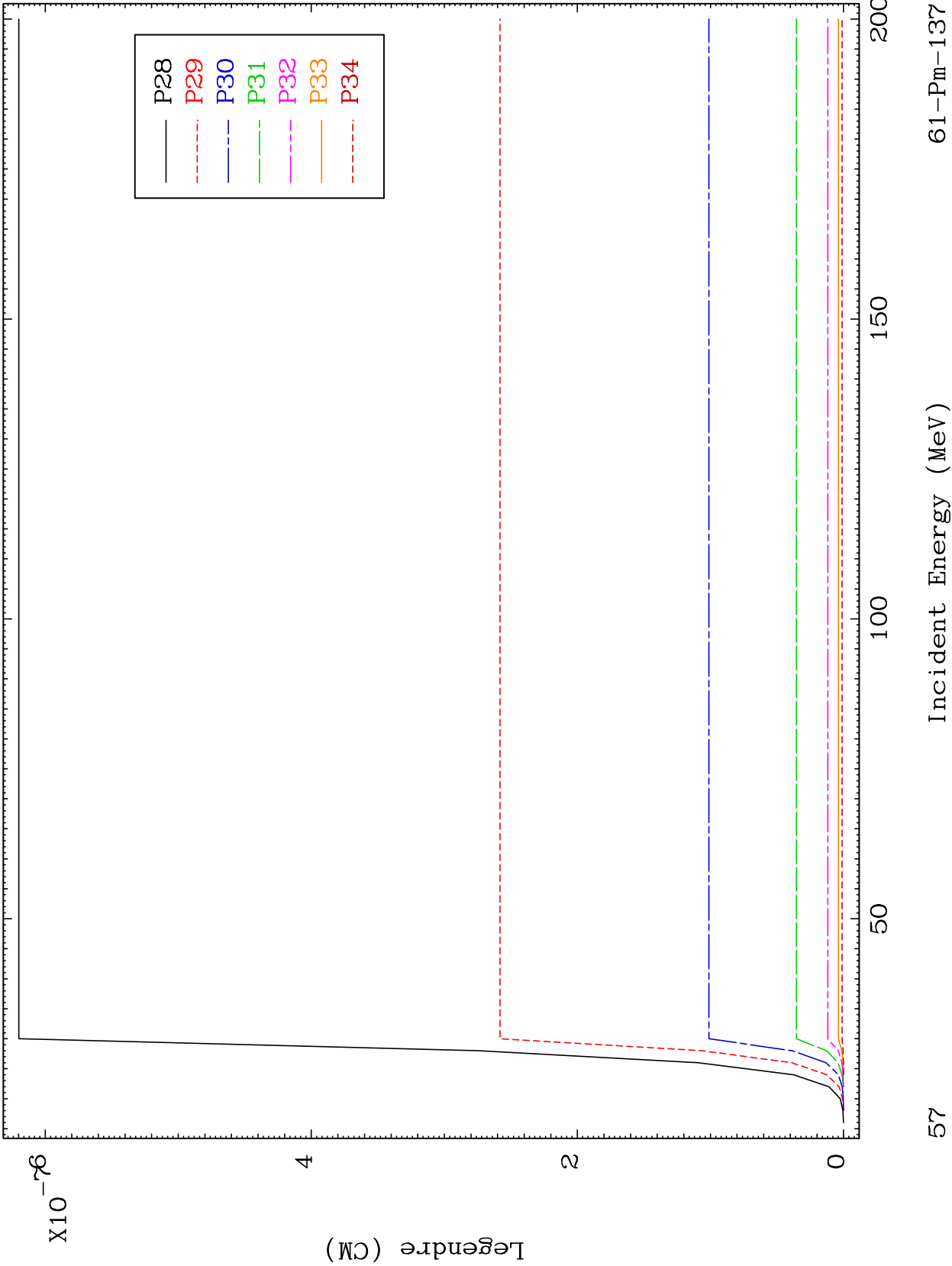
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-137



57

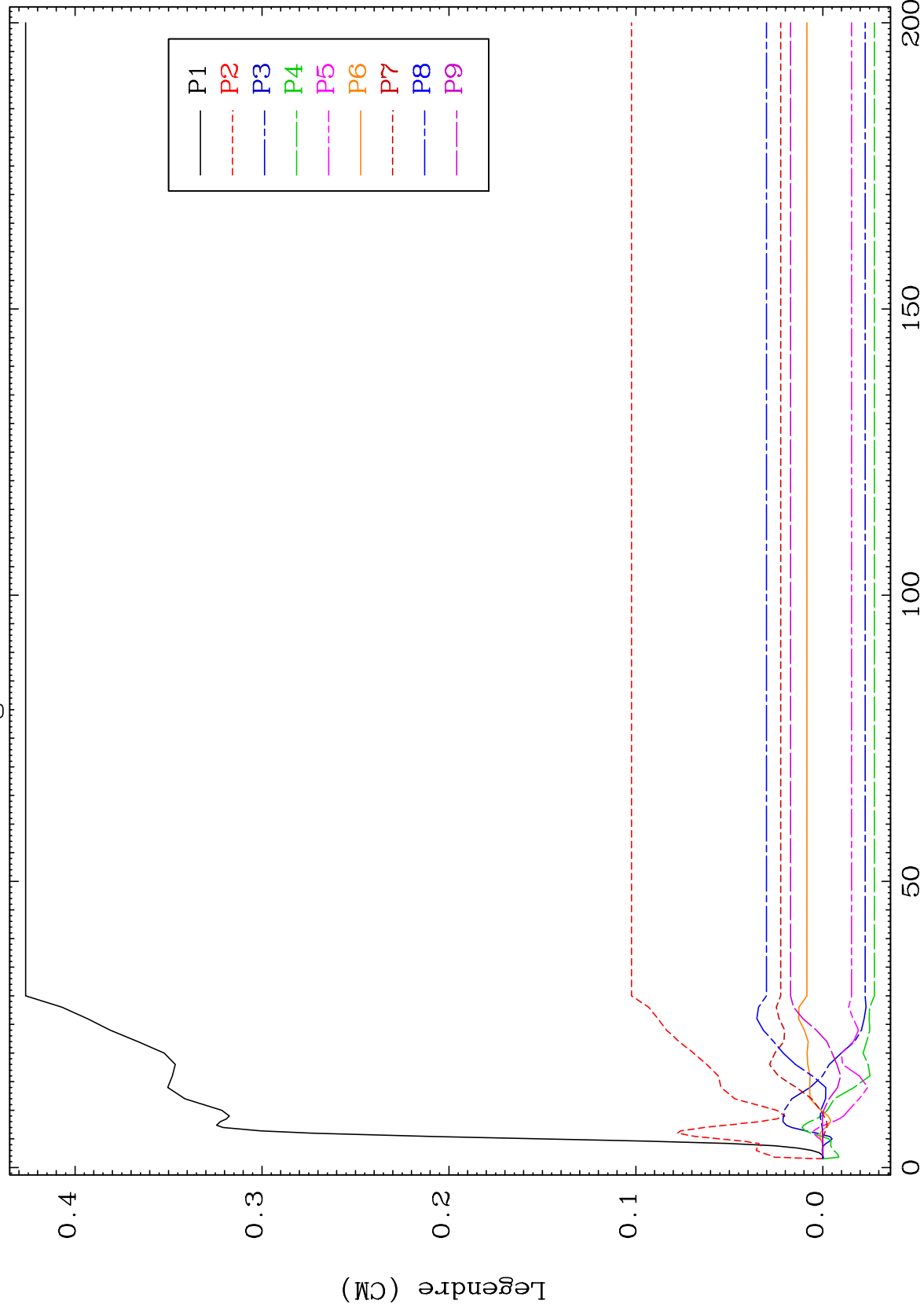
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 61 (n,n') Level
Legendre Coefficients

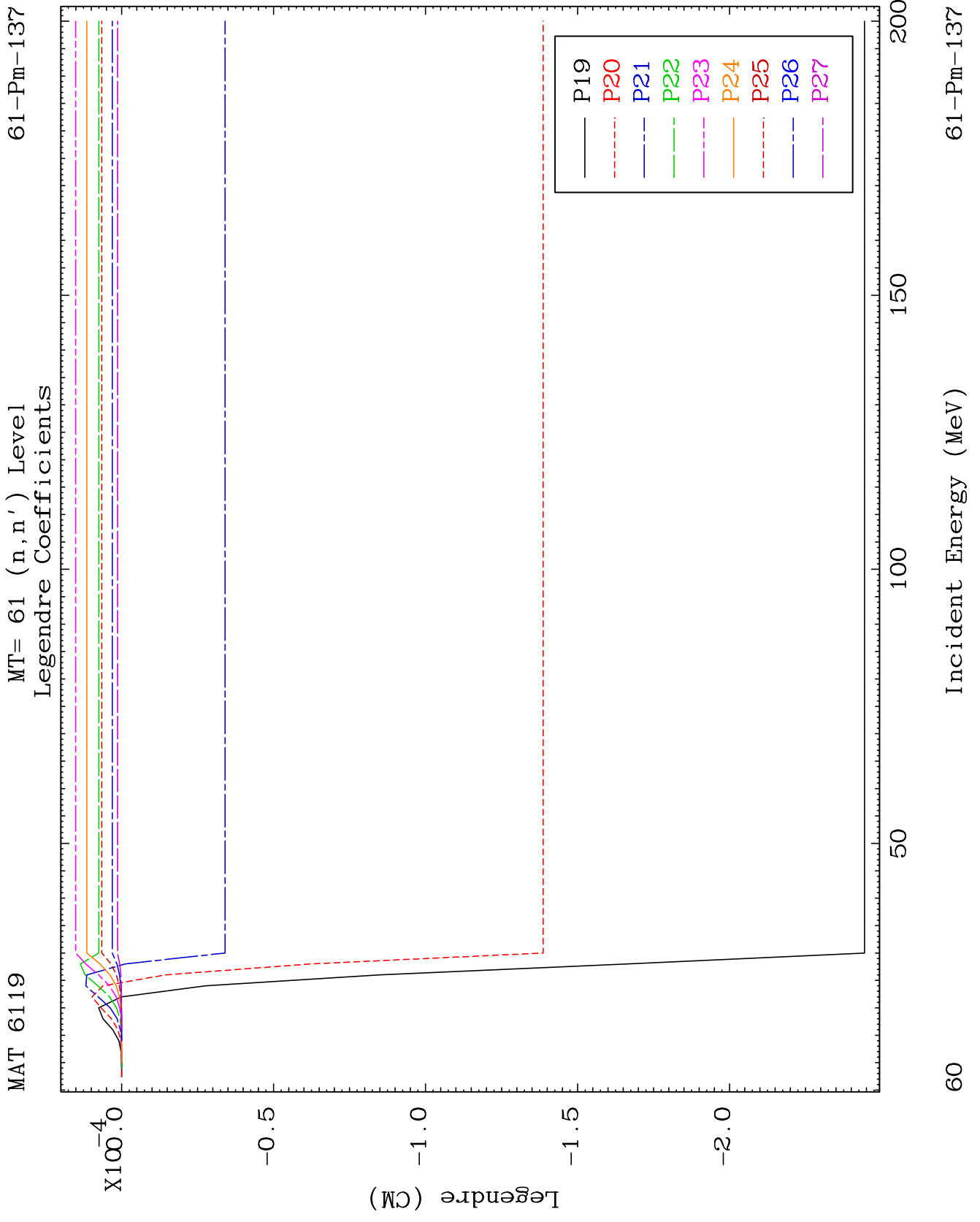
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58

Incident Energy (MeV)

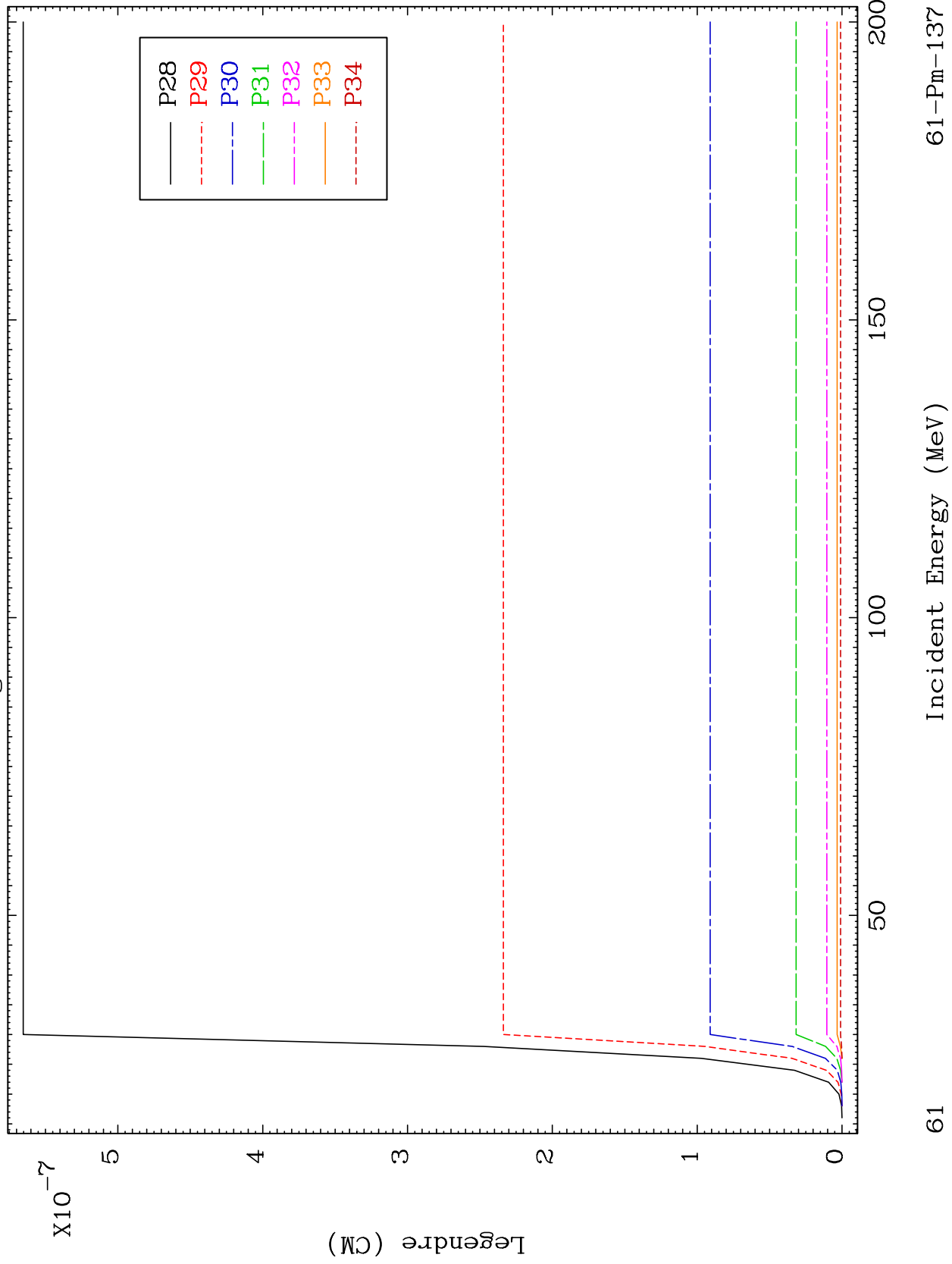
61-Pm-137



MAT 6119

MT= 61 (n,n') Level
Legendre Coefficients

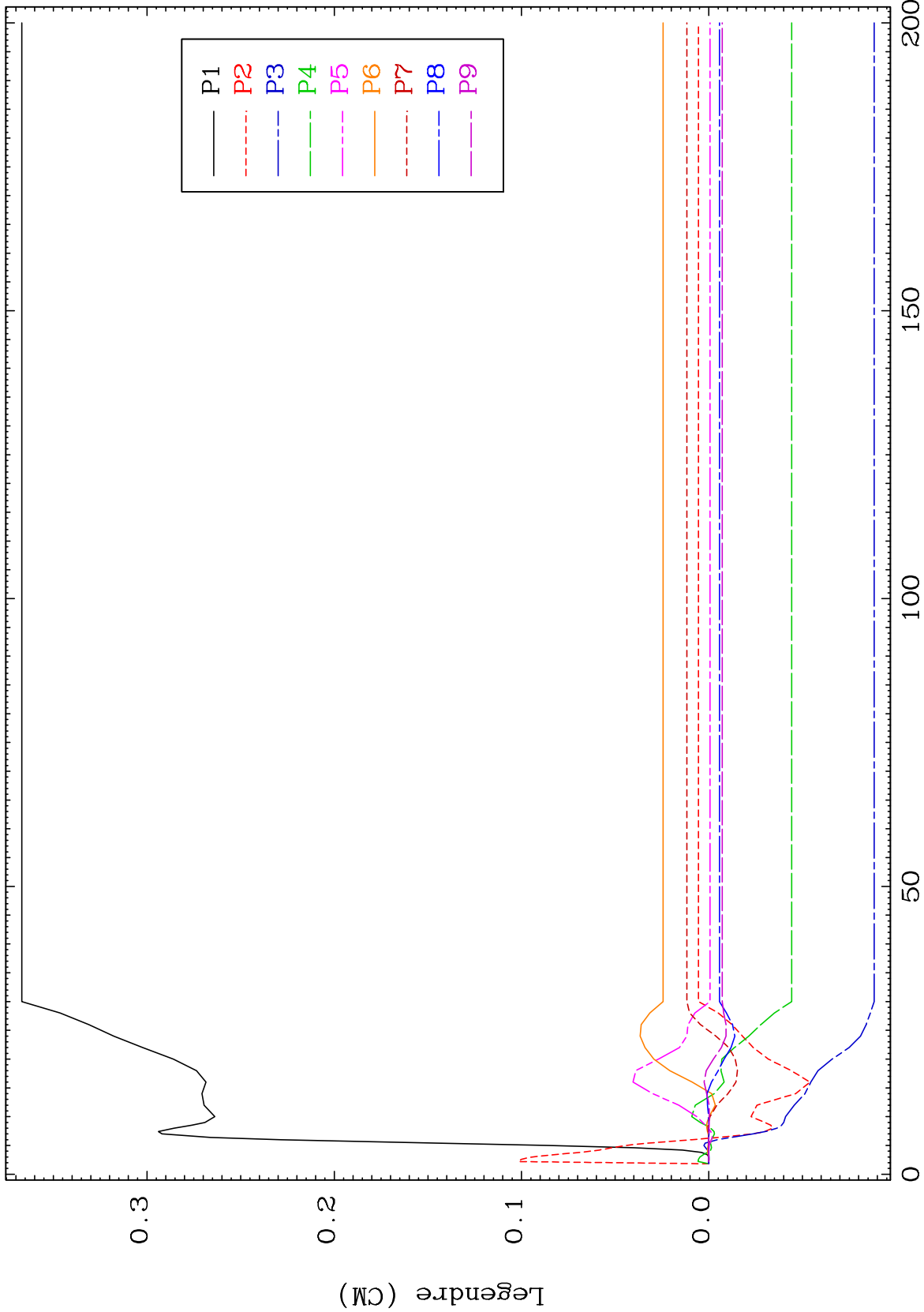
61-Pm-137



MAT 6119

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-137



62

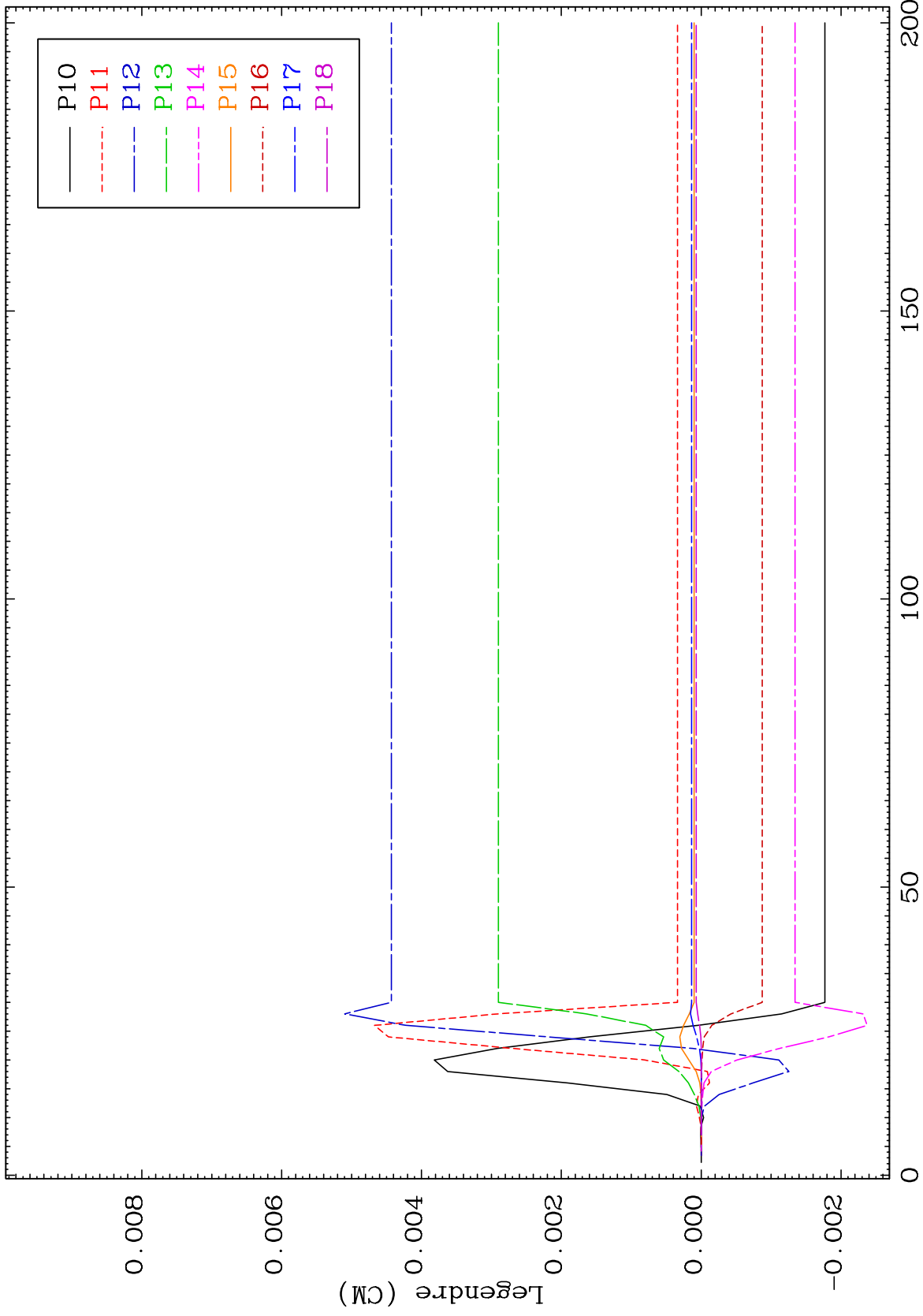
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-137



63

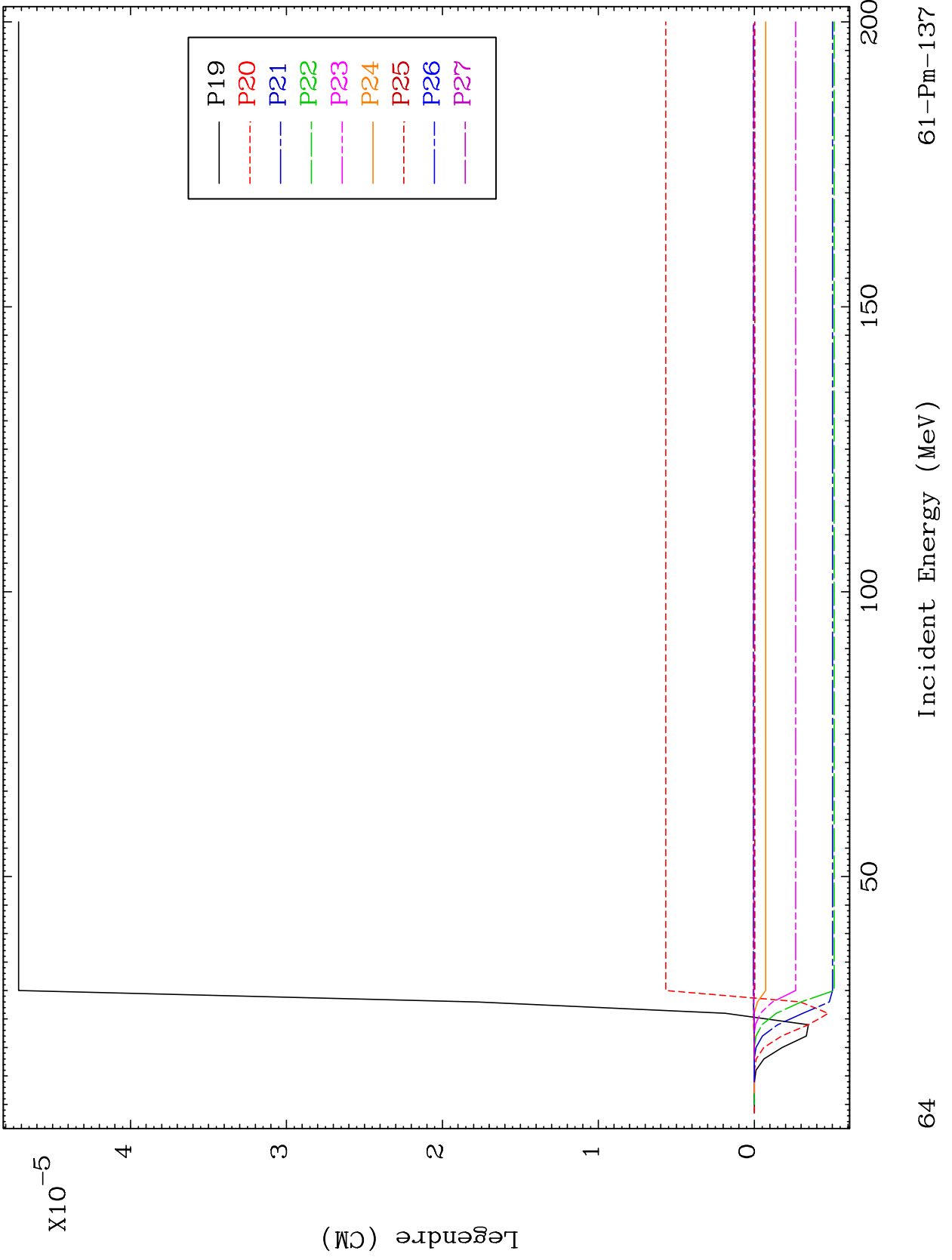
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 62 (n,n') Level
Legendre Coefficients

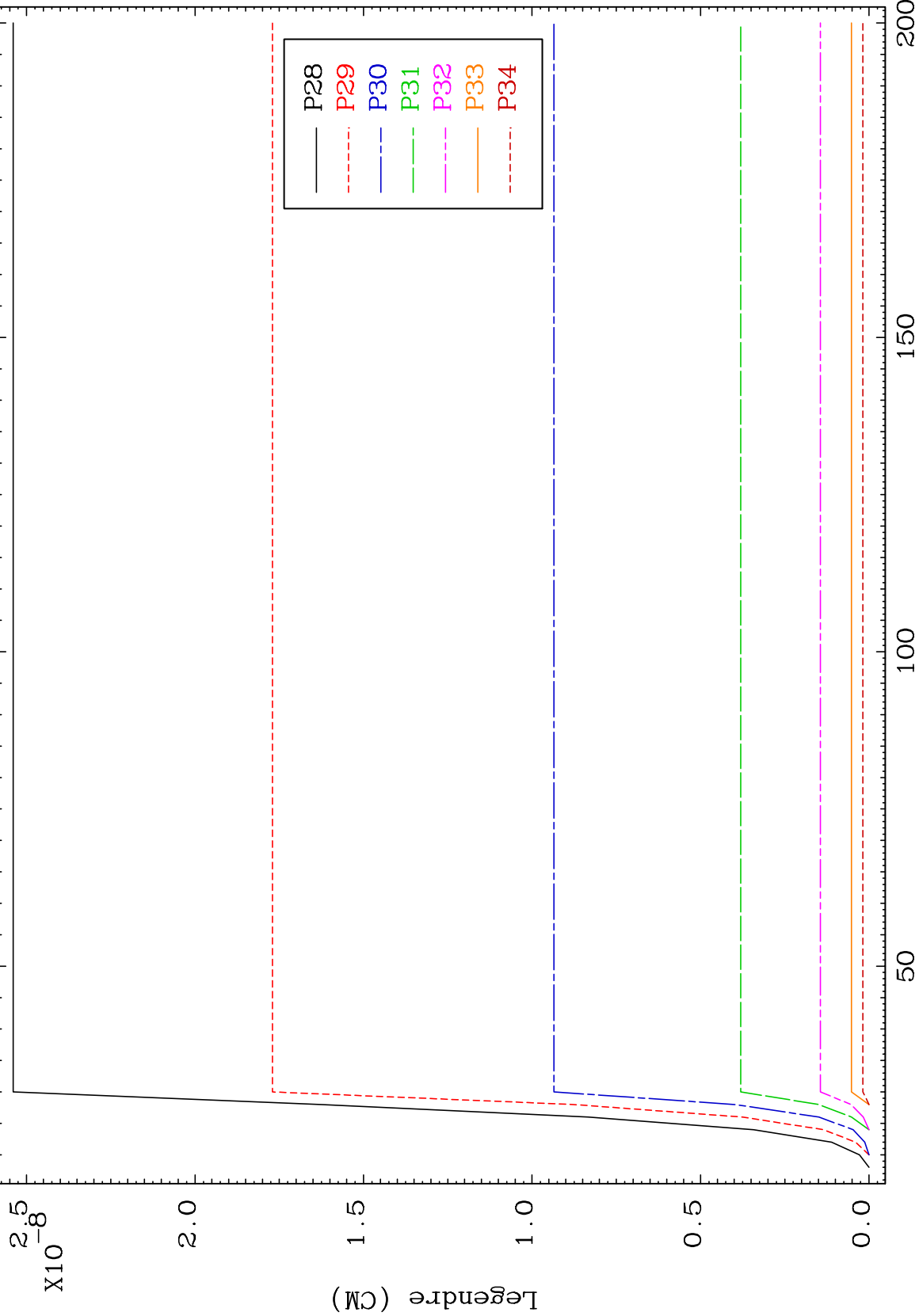
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MAT 6119

MT= 62 (n,n') Level
Legendre Coefficients

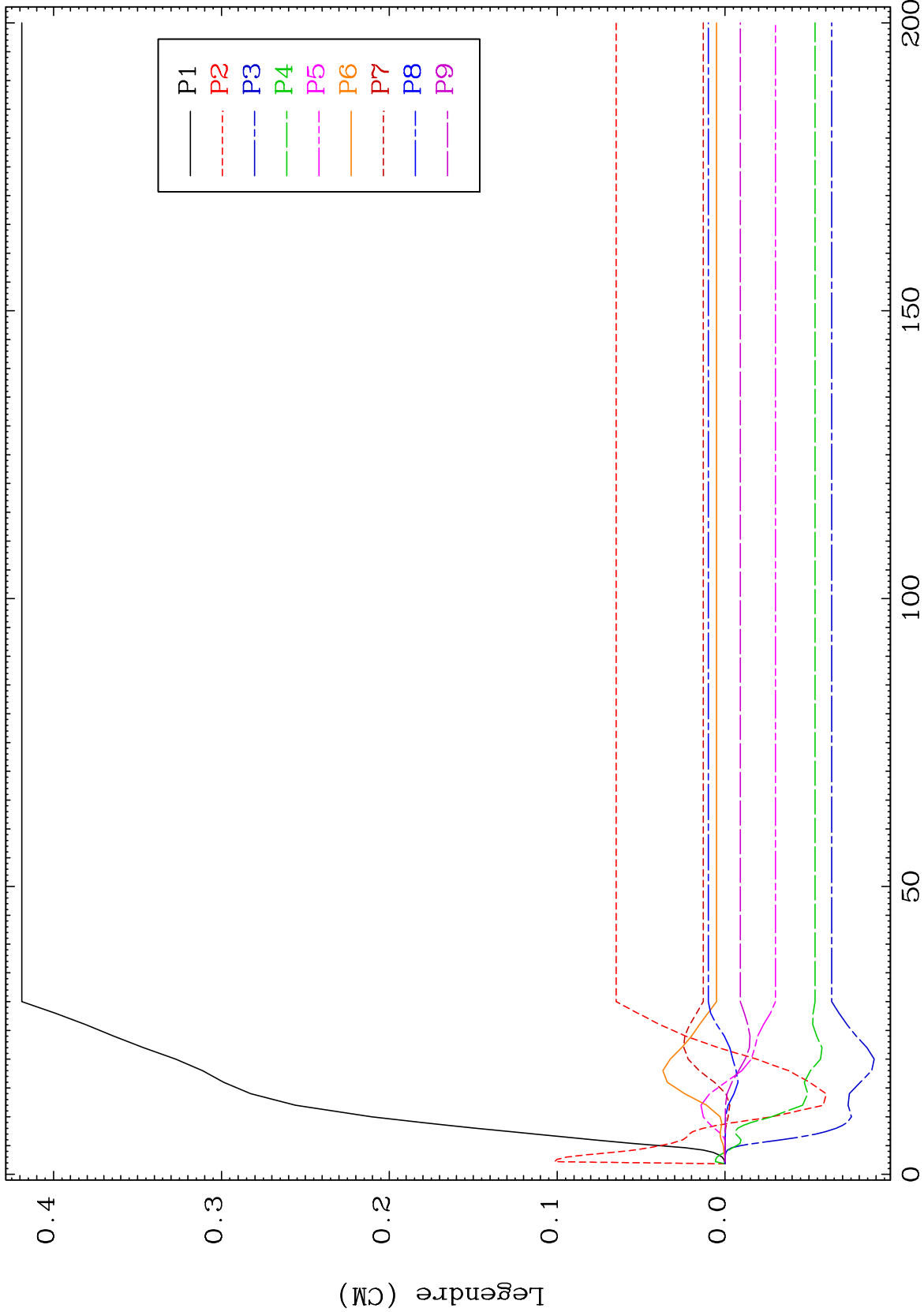
61-Pm-137



65

Incident Energy (MeV)

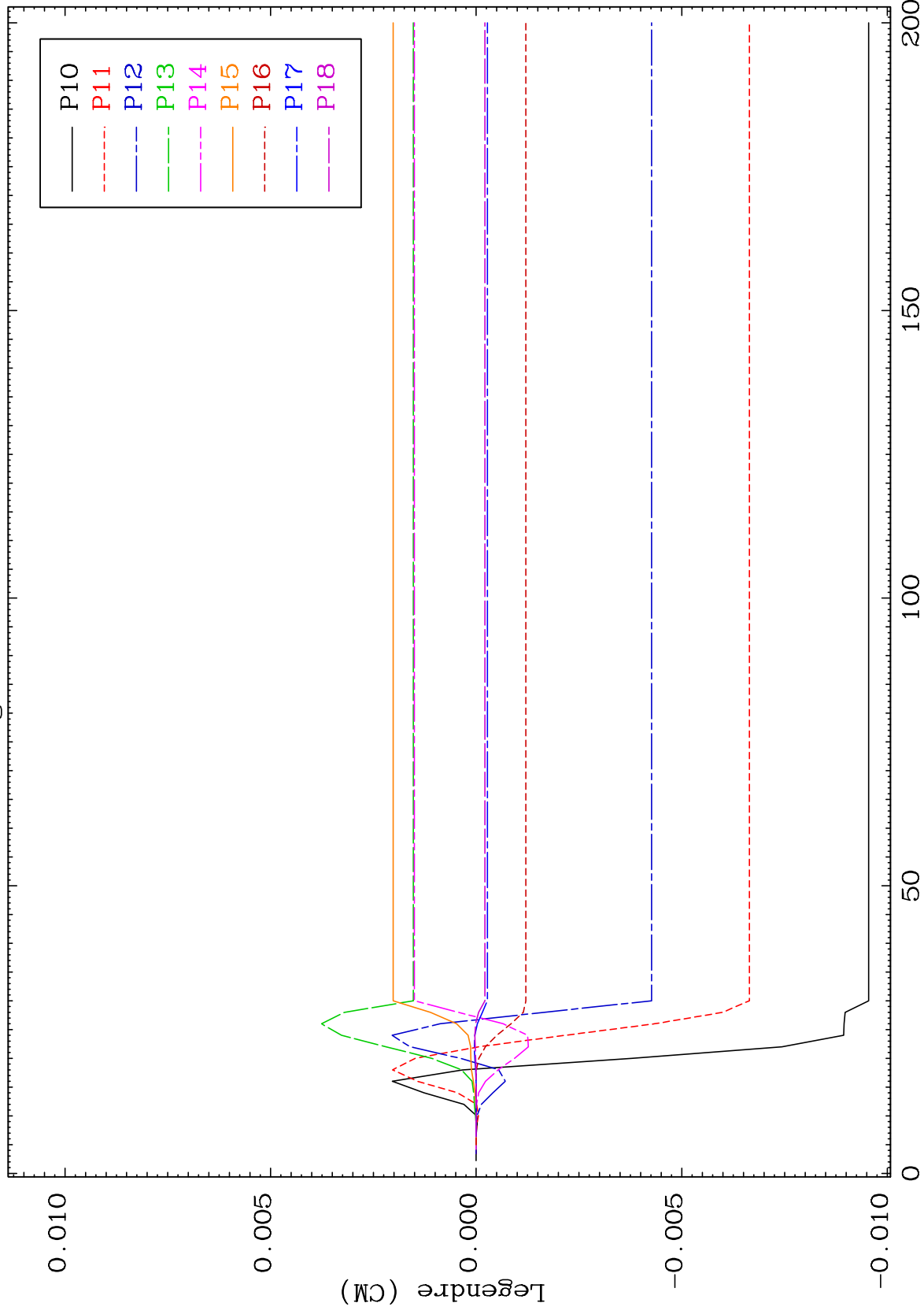
61-Pm-137



MAT 6119

MT= 63 (n,n') Level
Legendre Coefficients

61-Pm-137



67

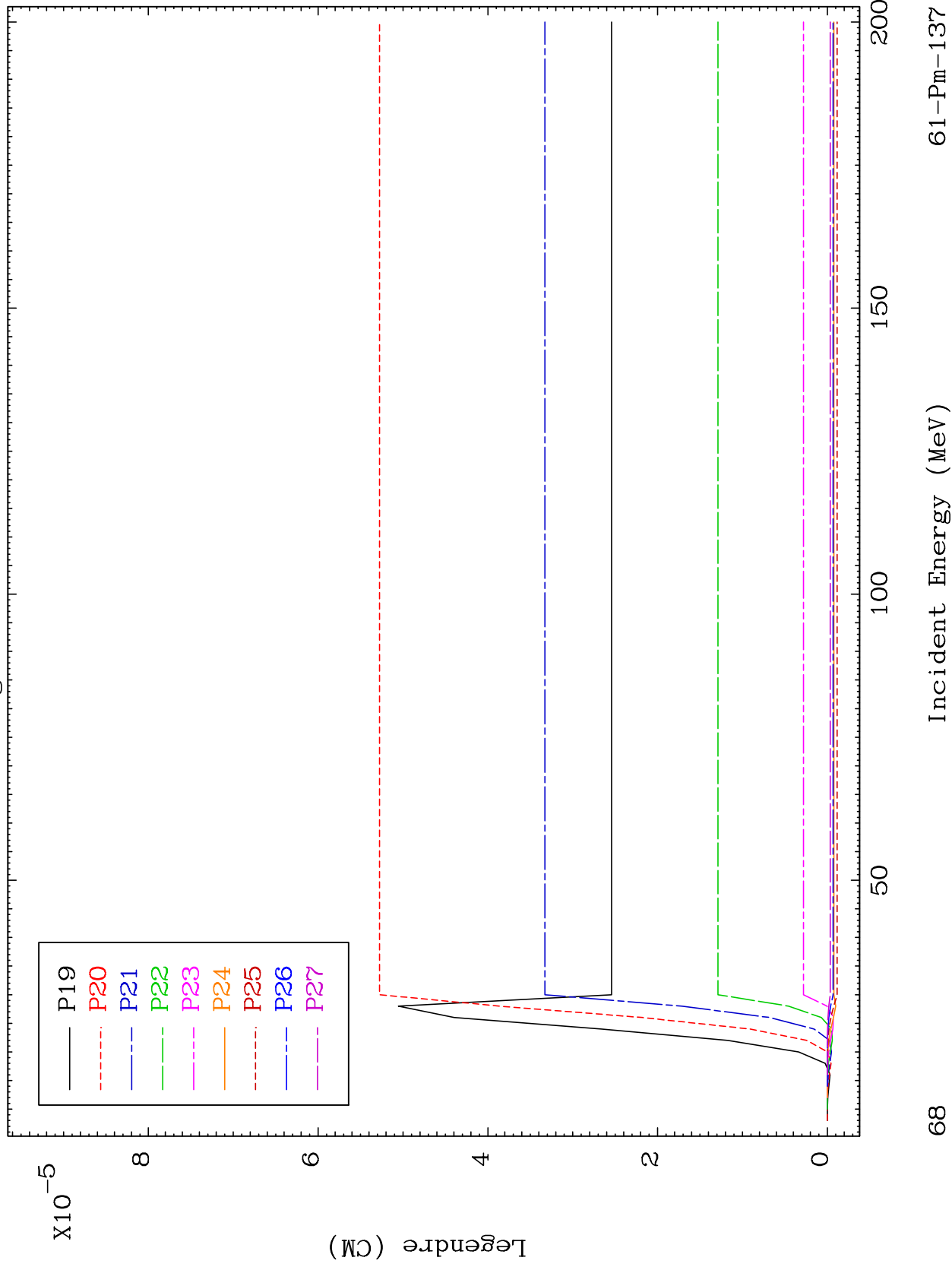
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 63 (n,n') Level
Legendre Coefficients

61-Pm-137

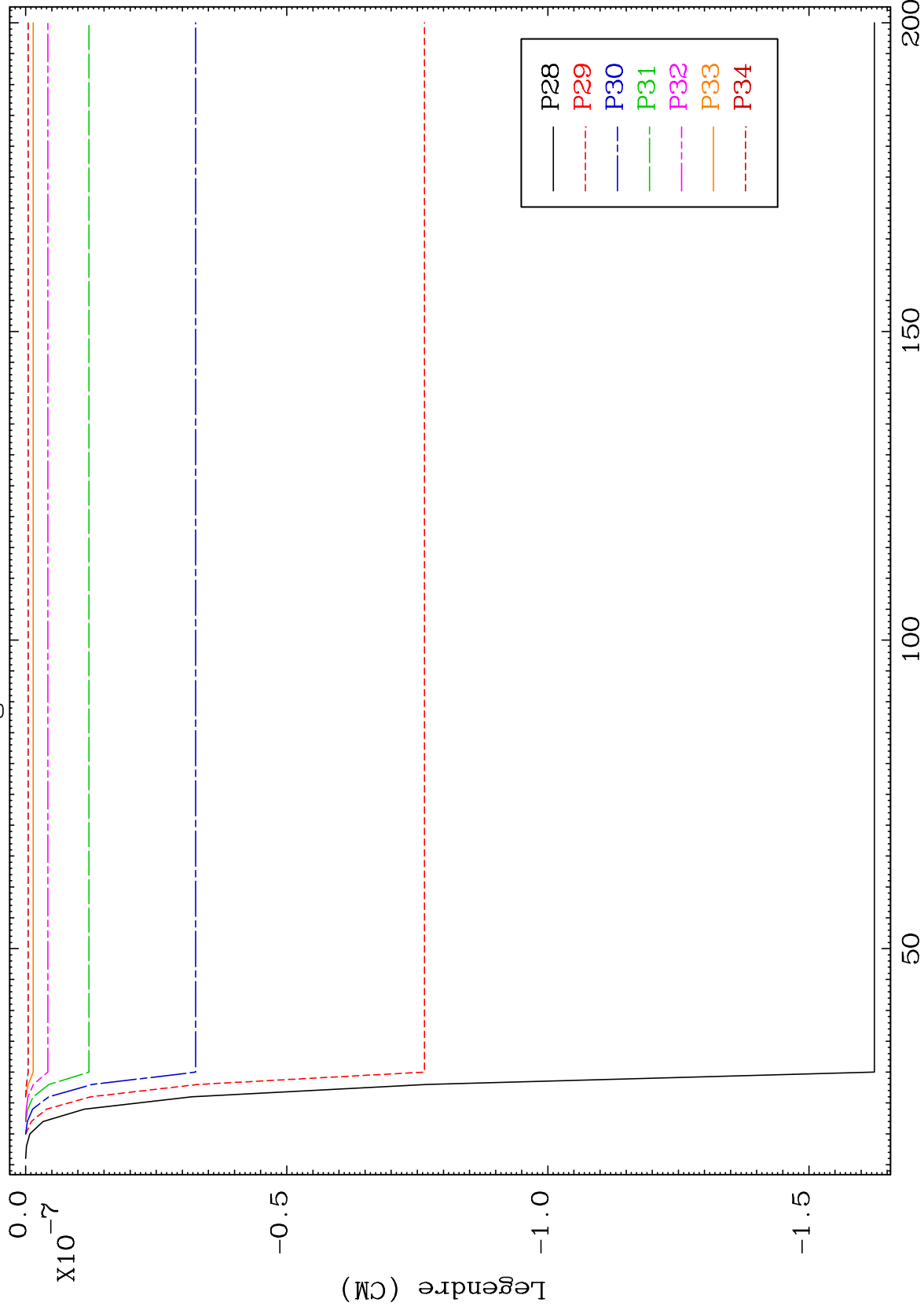


MAT 6119

MT= 63 (n,n') Level

61-Pm-137

Legendre Coefficients



69

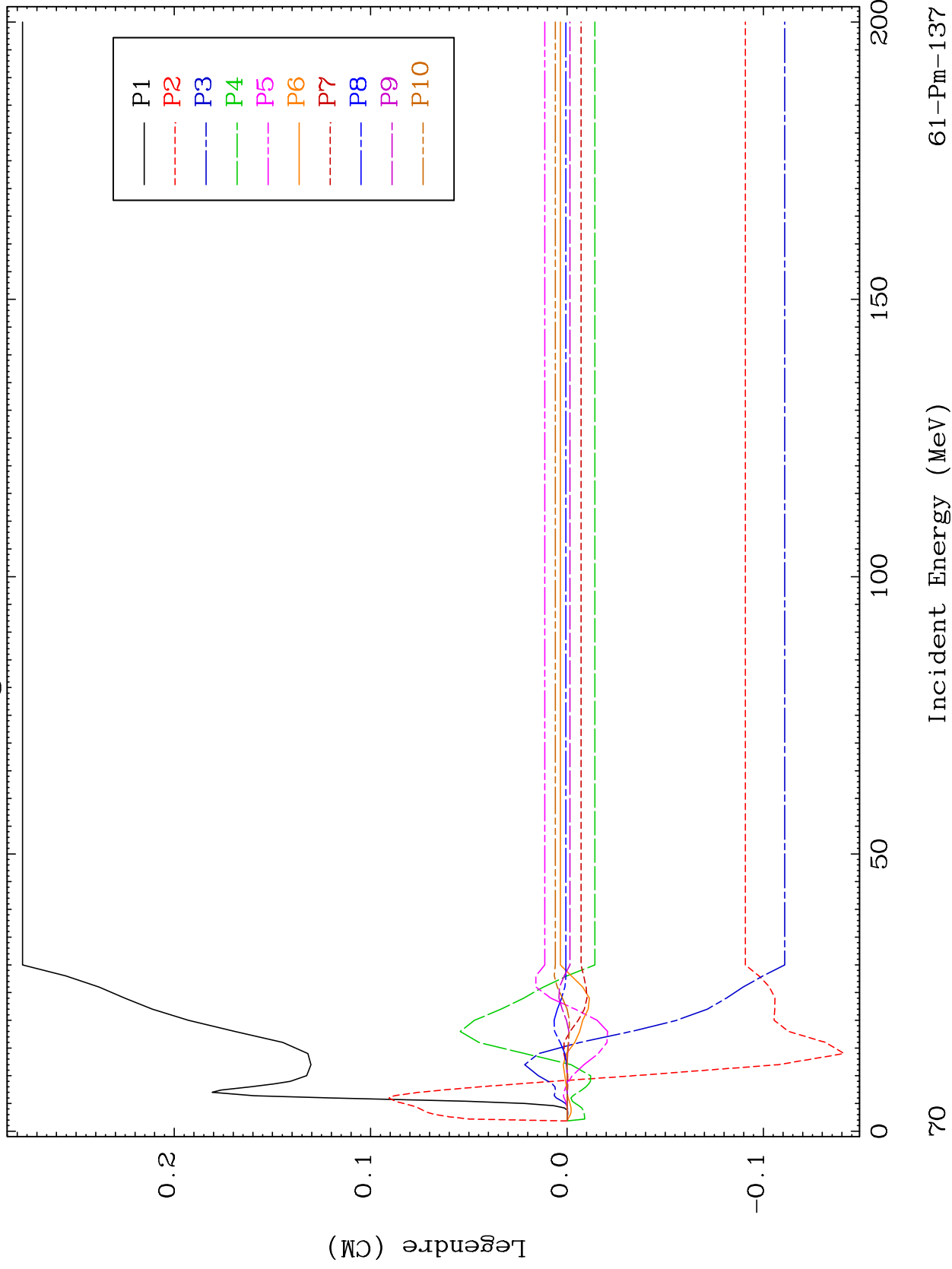
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 64 (n,n') Level
Legendre Coefficients

61-Pm-137



61-Pm-137

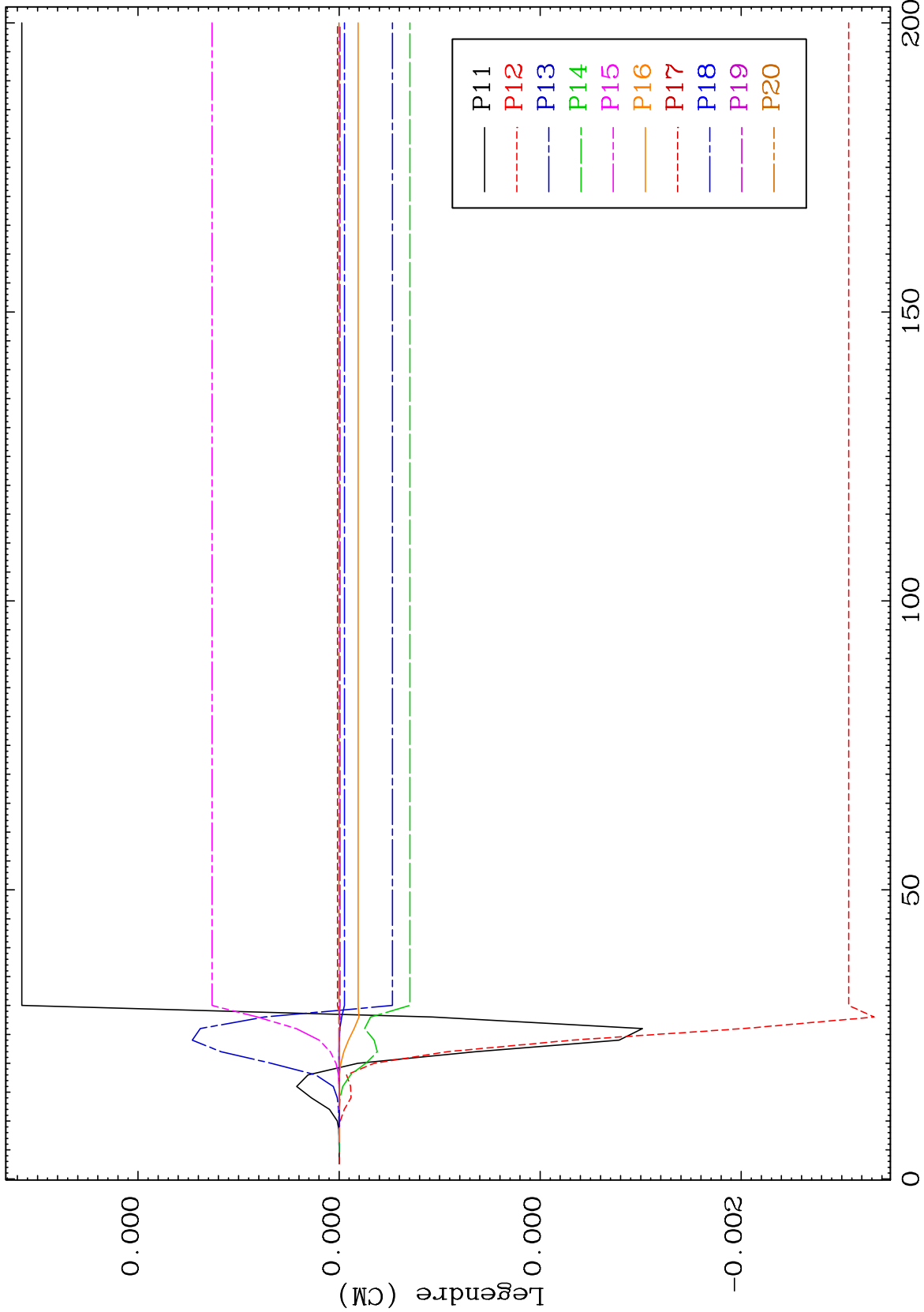
Incident Energy (MeV)

70

MAT 6119

MT= 64 (n,n') Level
Legendre Coefficients

61-Pm-137



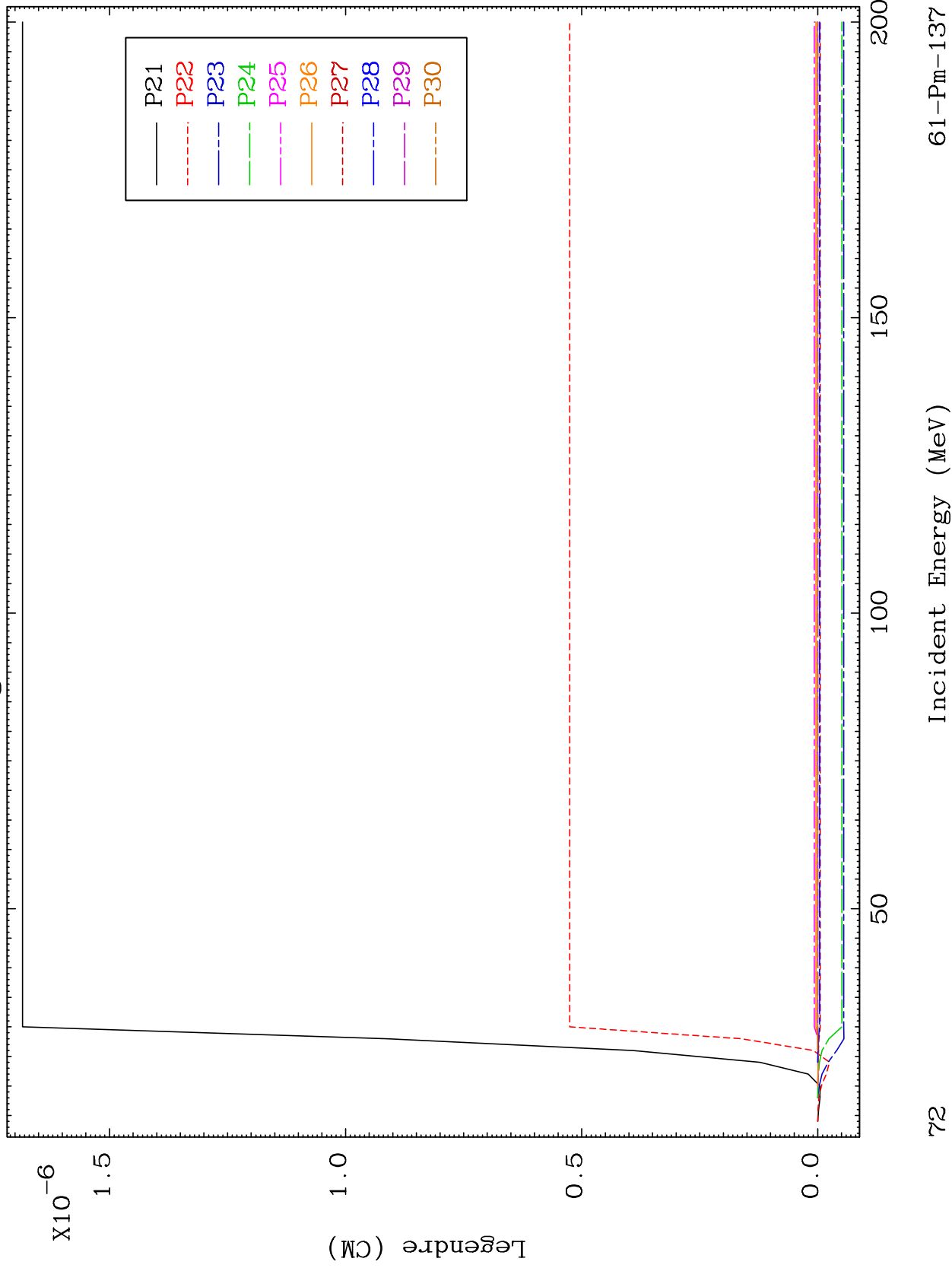
71

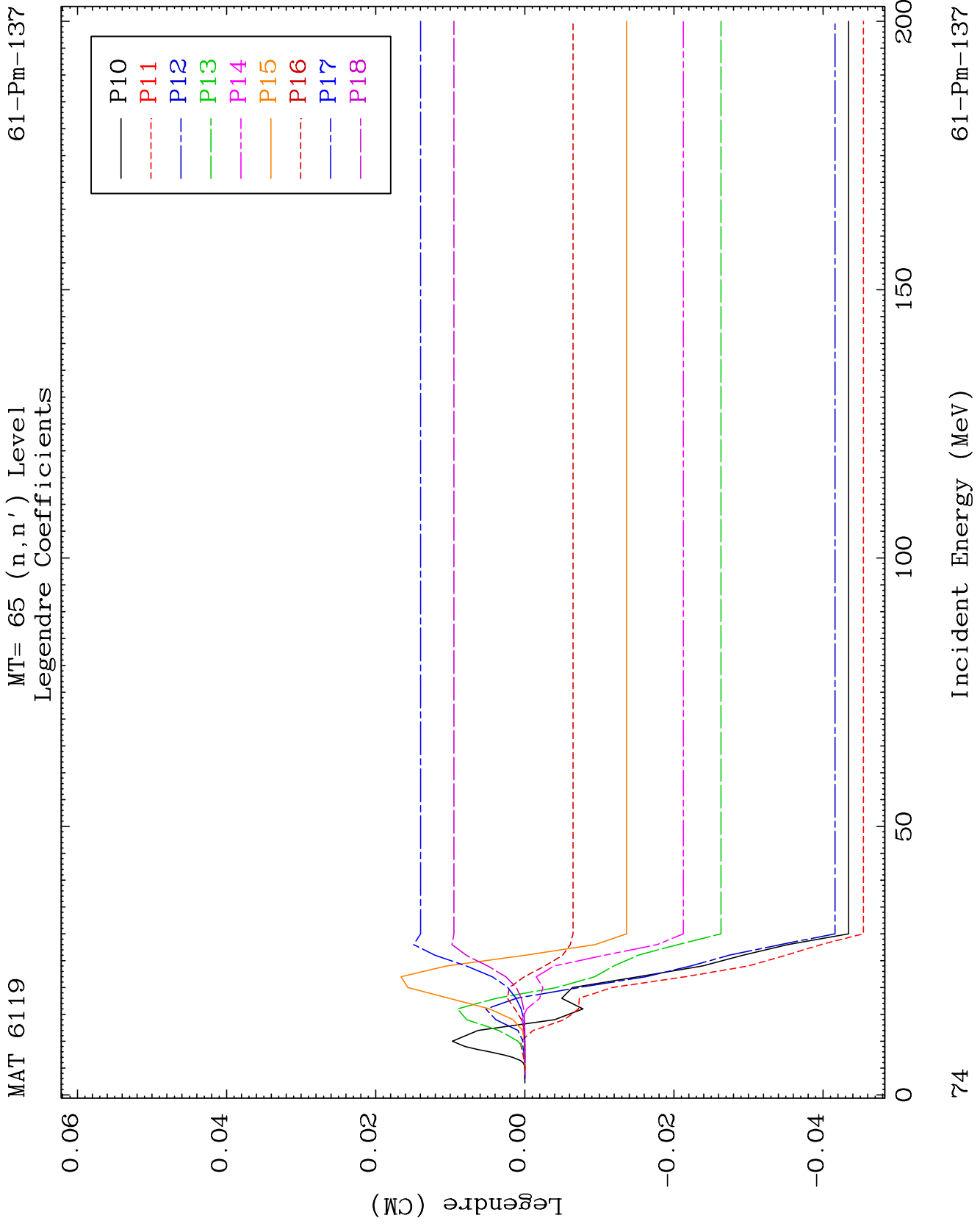
61-Pm-137

MAT 6119

MT= 64 (n,n') Level
Legendre Coefficients

61-Pm-137

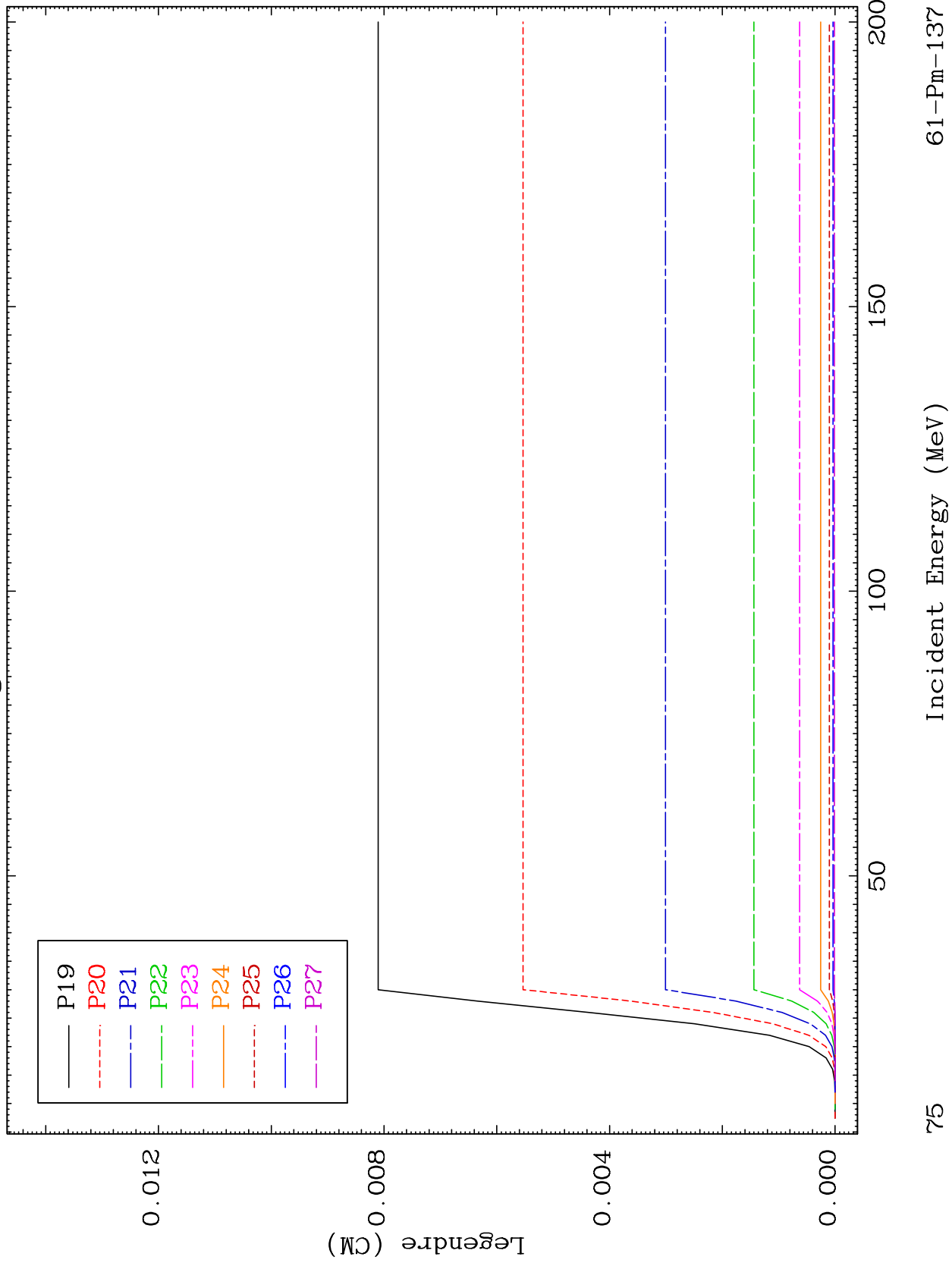




MAT 6119

MT= 65 (n,n') Level
Legendre Coefficients

61-Pm-137



75

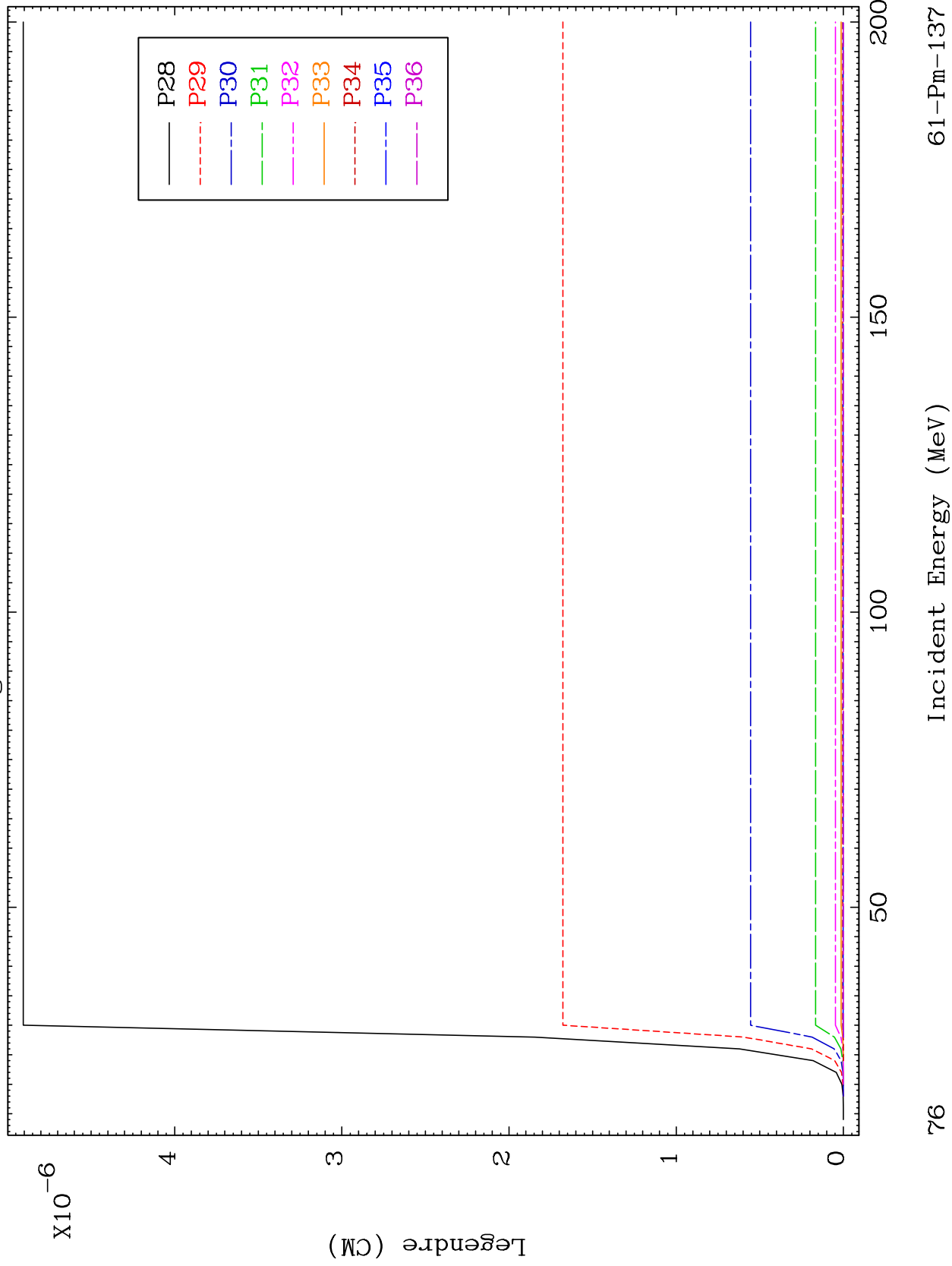
Incident Energy (MeV)

61-Pm-137

MAT 6119

MT= 65 (n,n') Level
Legendre Coefficients

61-Pm-137

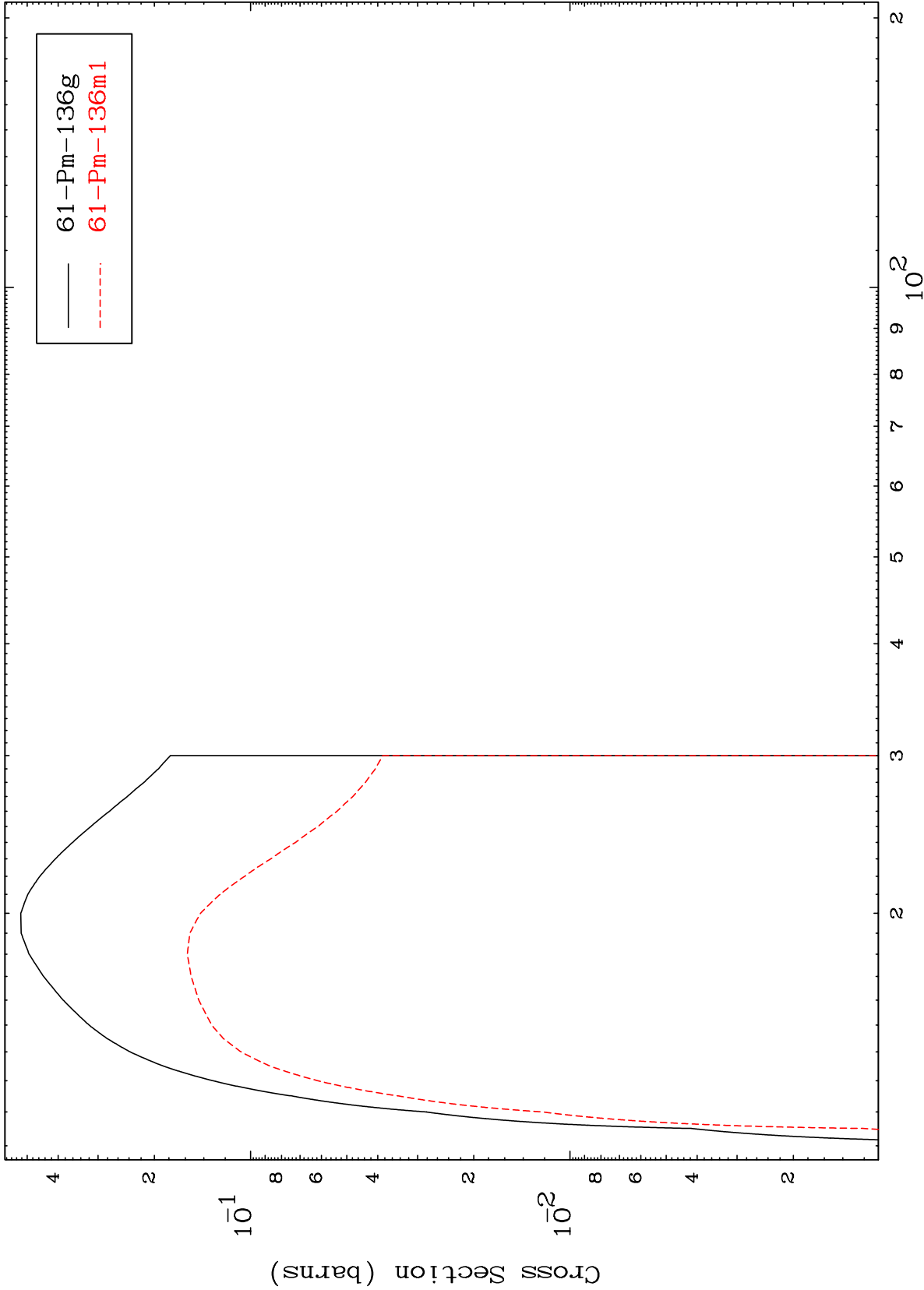


MAT 6119

(n,2n)

61-Pm-137

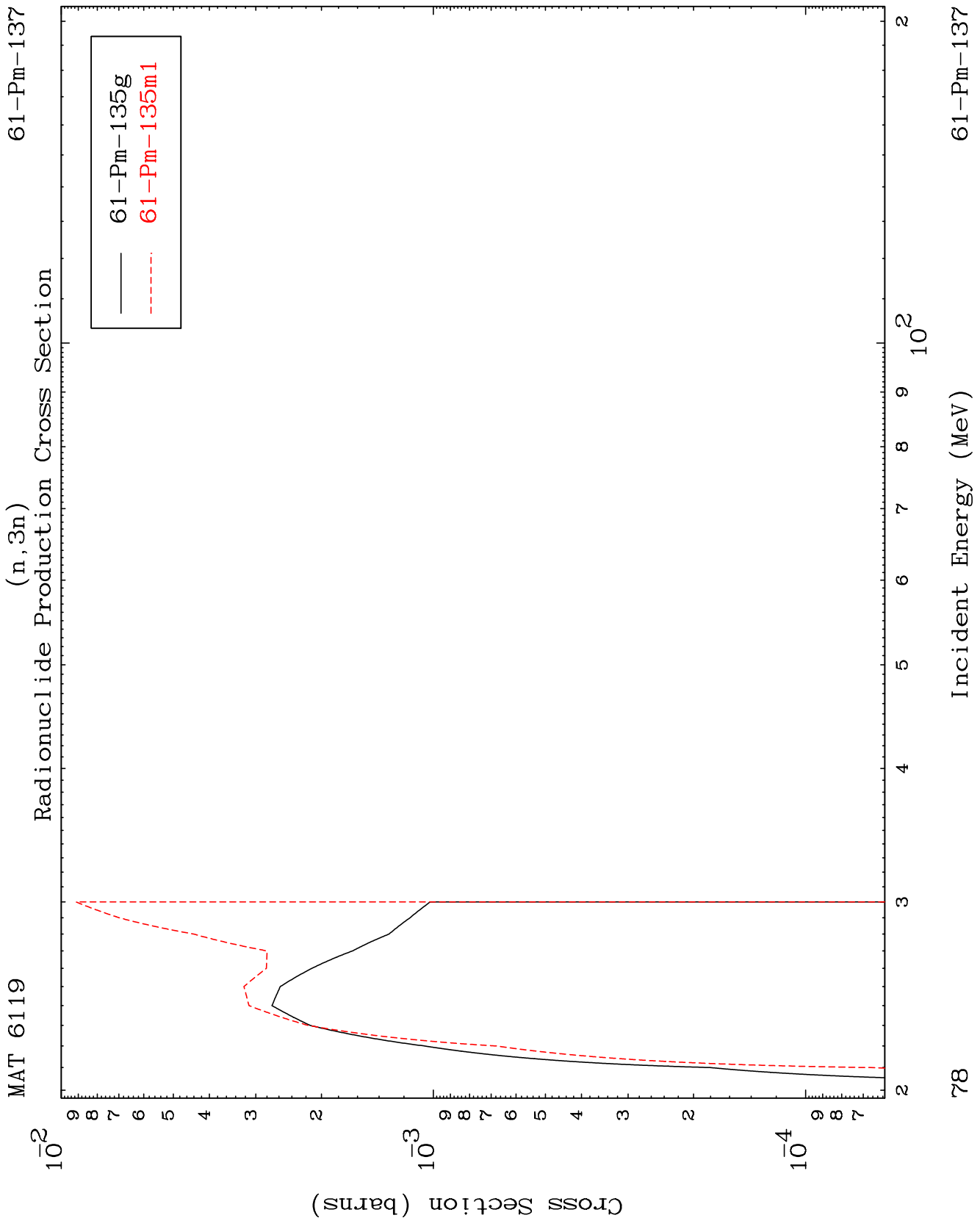
Radionuclide Production Cross Section



77

Incident Energy (MeV)

61-Pm-137

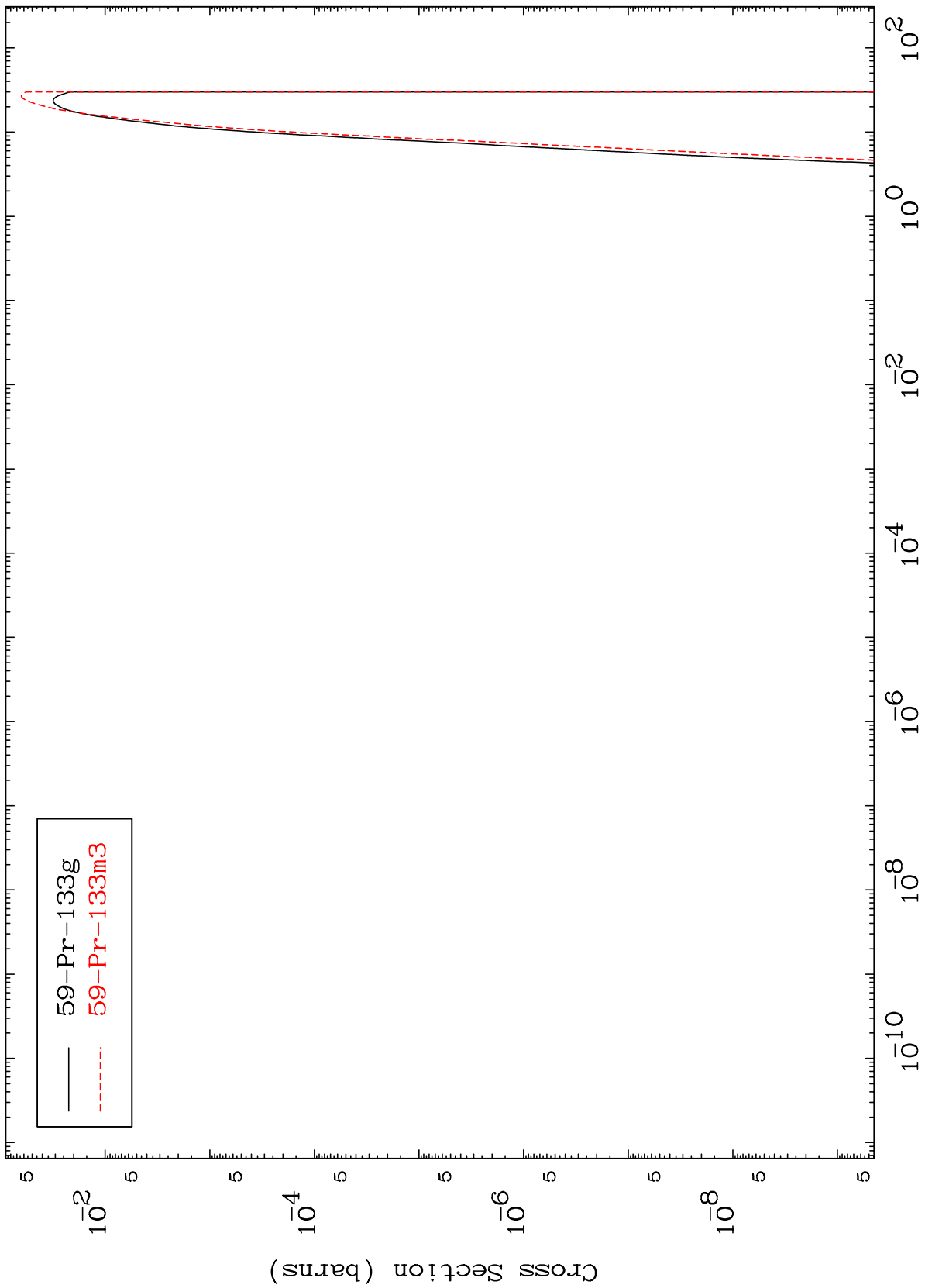


MAT 6119

$(n, n') \alpha$

61-Pm-137

Radionuclide Production Cross Section



79

Incident Energy (MeV)

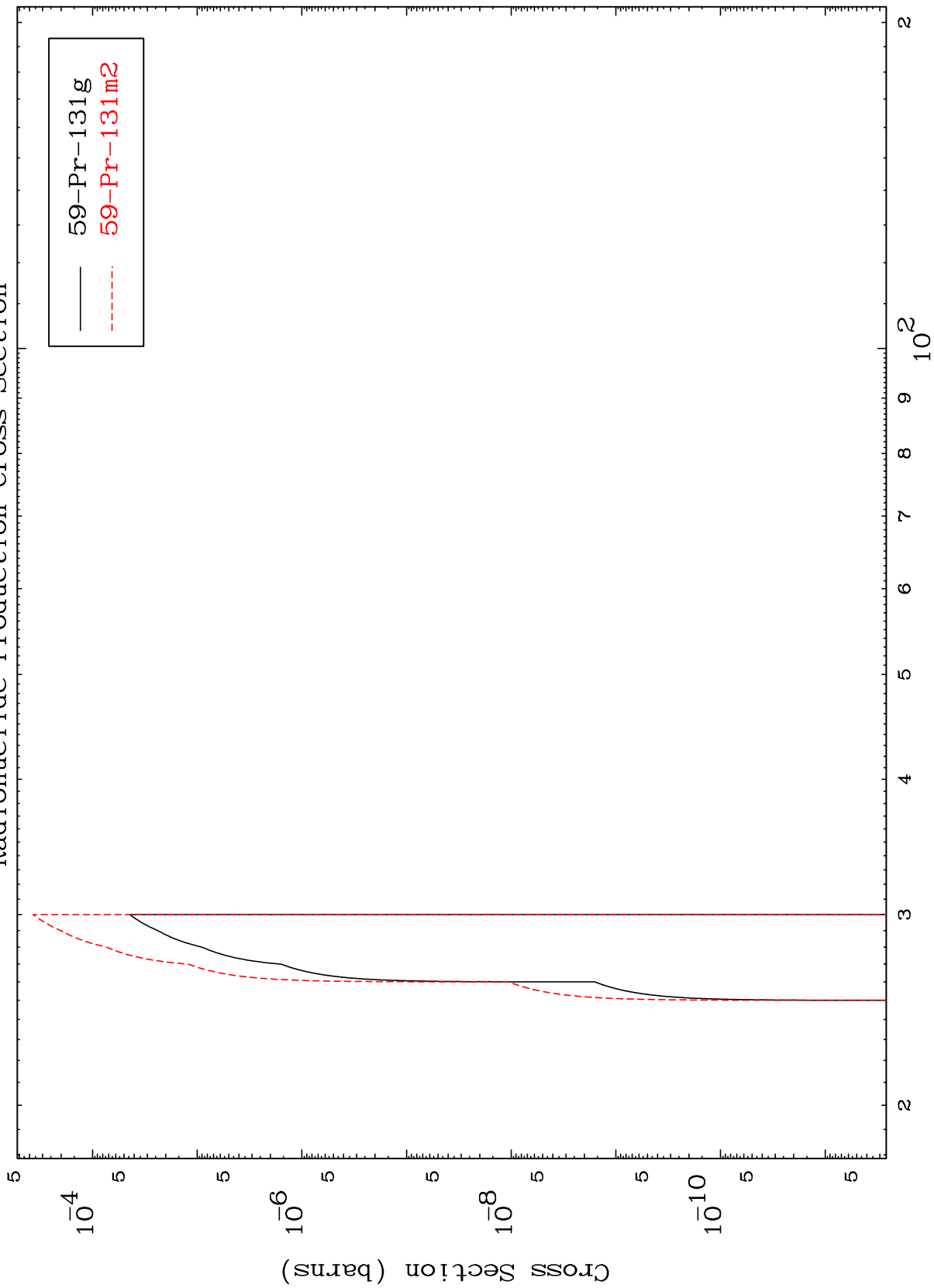
61-Pm-137

MAT 6119

61-Pm-137

(n,3n) α

Radionuclide Production Cross Section



80

Incident Energy (MeV)

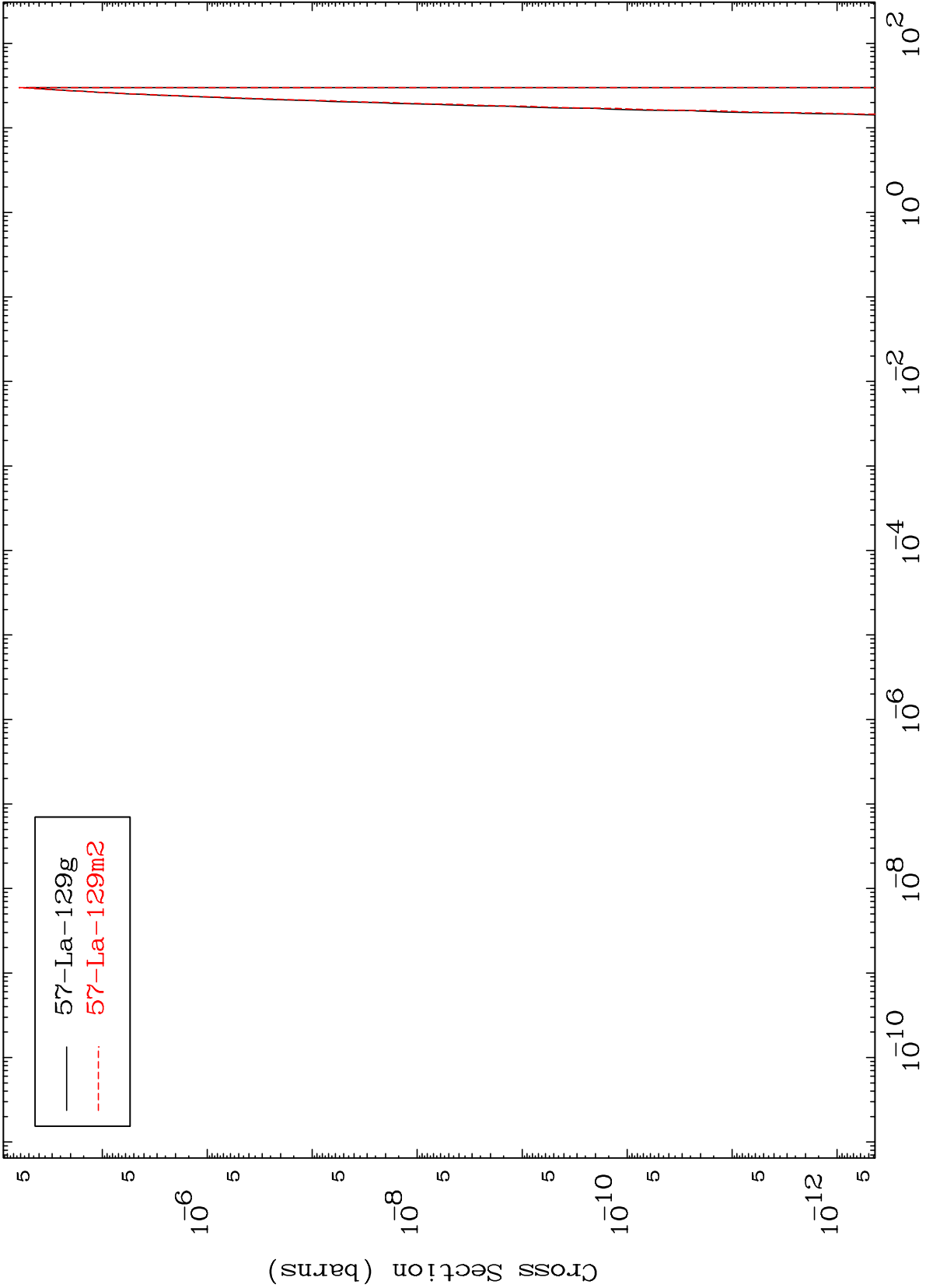
61-Pm-137

MAT 6119

(n,n') 2α

61-Pm-137

Radionuclide Production Cross Section

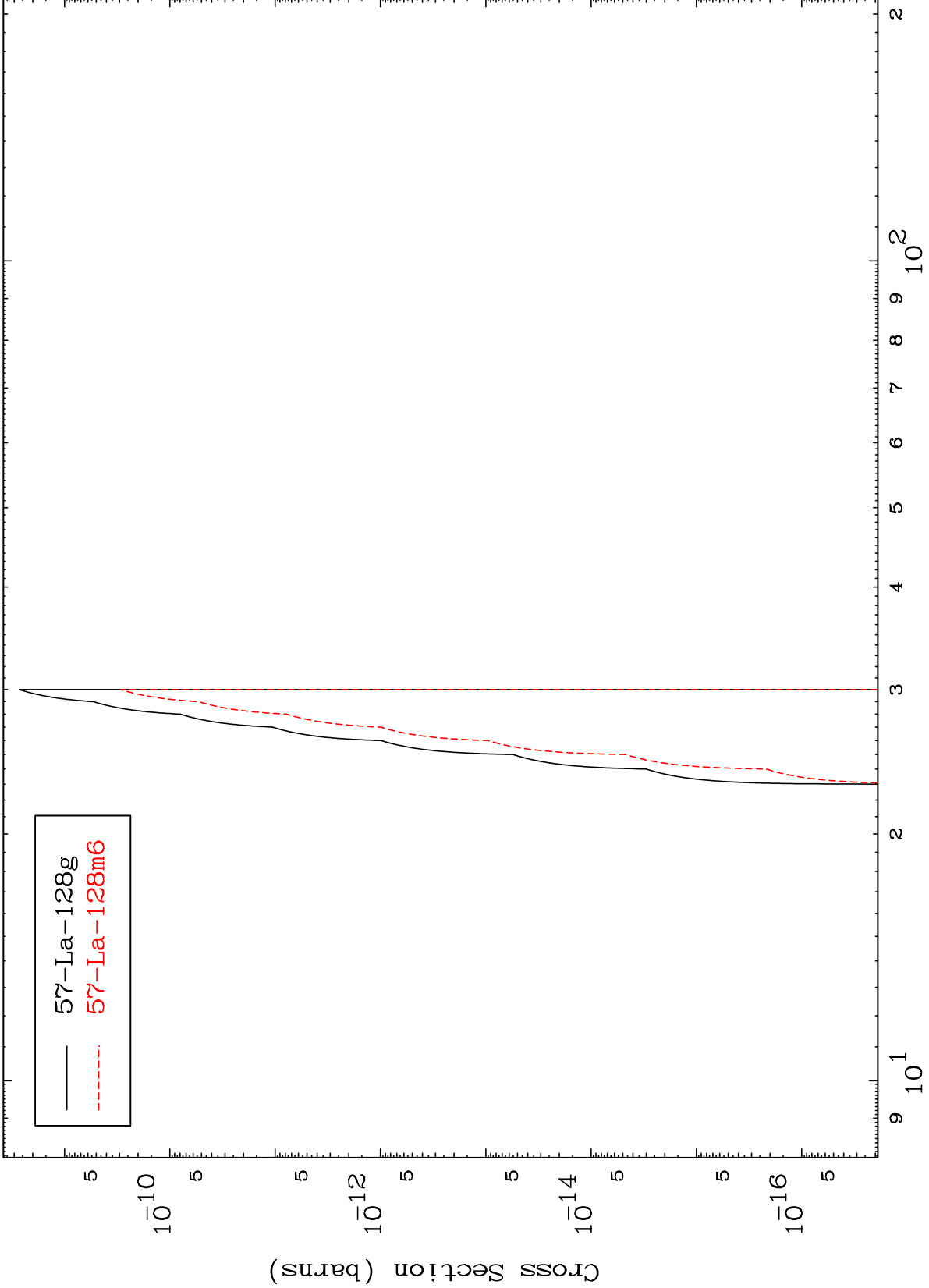


MAT 6119

(n,2n) 2α

61-Pm-137

Radionuclide Production Cross Section



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

82

Incident Energy (MeV)

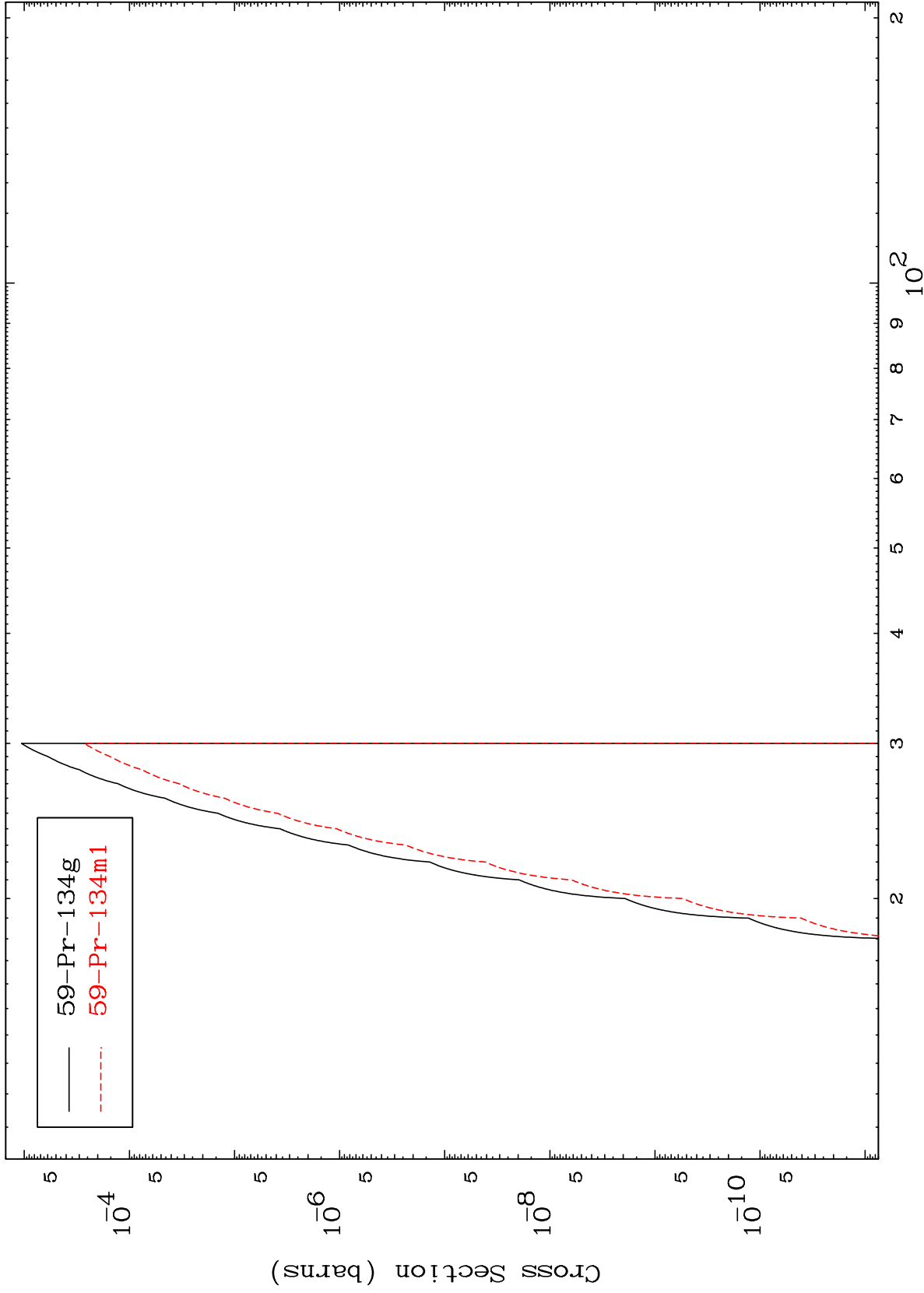
61-Pm-137

MAT 6119

(n,n') He-3

61-Pm-137

Radionuclide Production Cross Section



59-Pr-134g
59-Pr-134m1

83

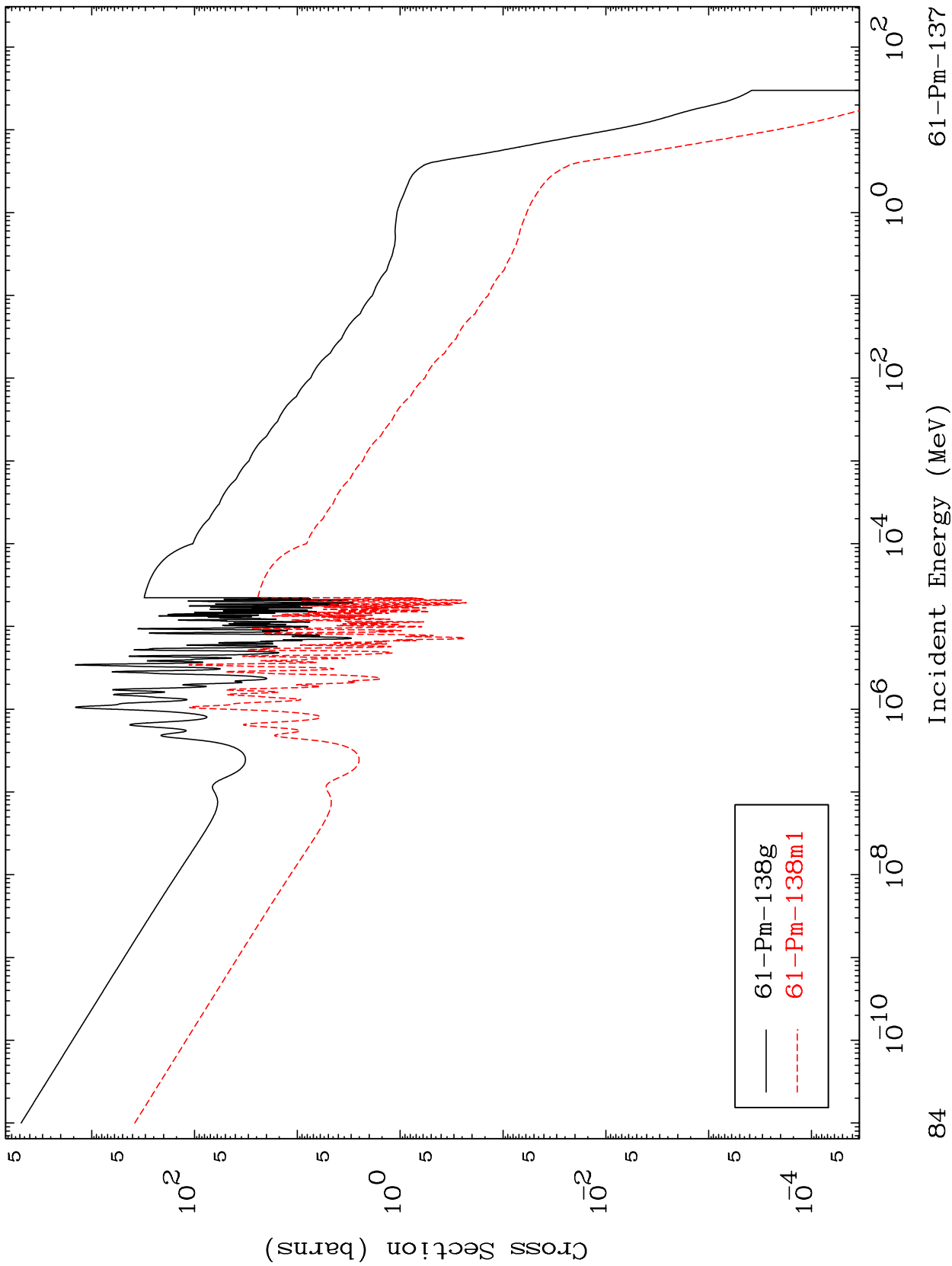
Incident Energy (MeV)

61-Pm-137

MAT 6119

61-Pm-137

Radionuclide Production Cross Section
(n, γ)

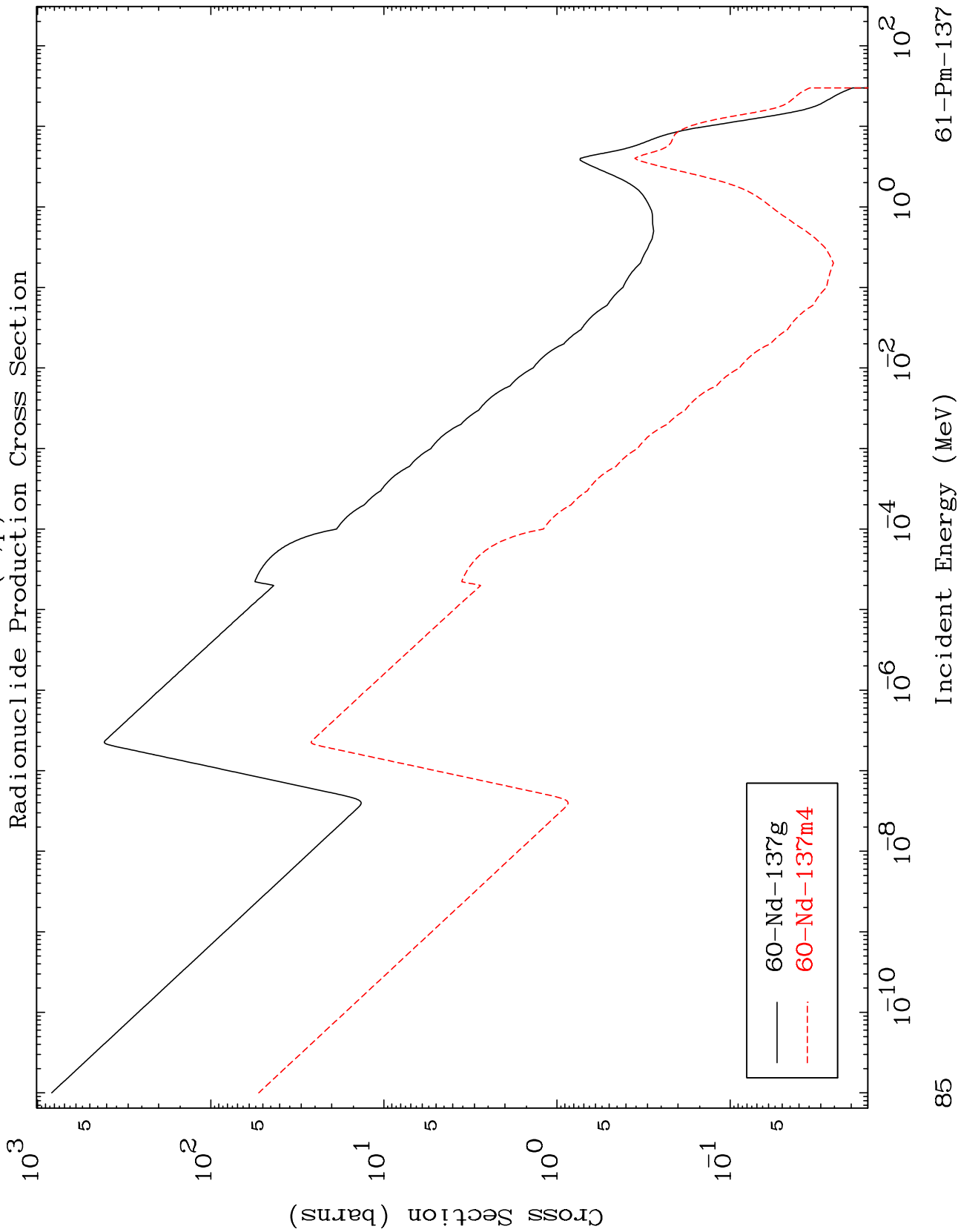


MAT 6119

61-Pm-137

Radionuclide Production Cross Section

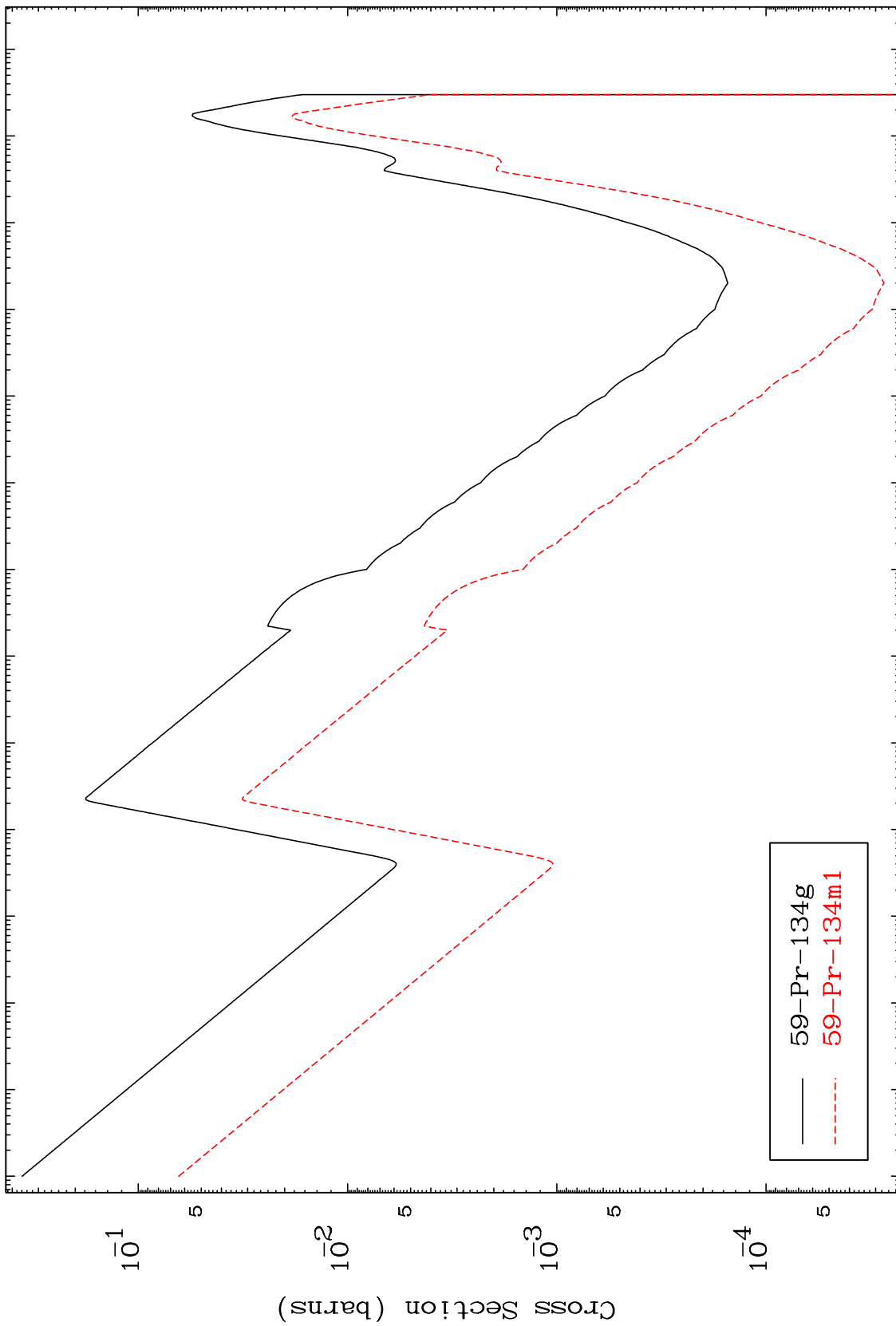
(n,p)



— 60-Nd-137g
- - - 60-Nd-137m4

Radionuclide Production Cross Section

(n, α)

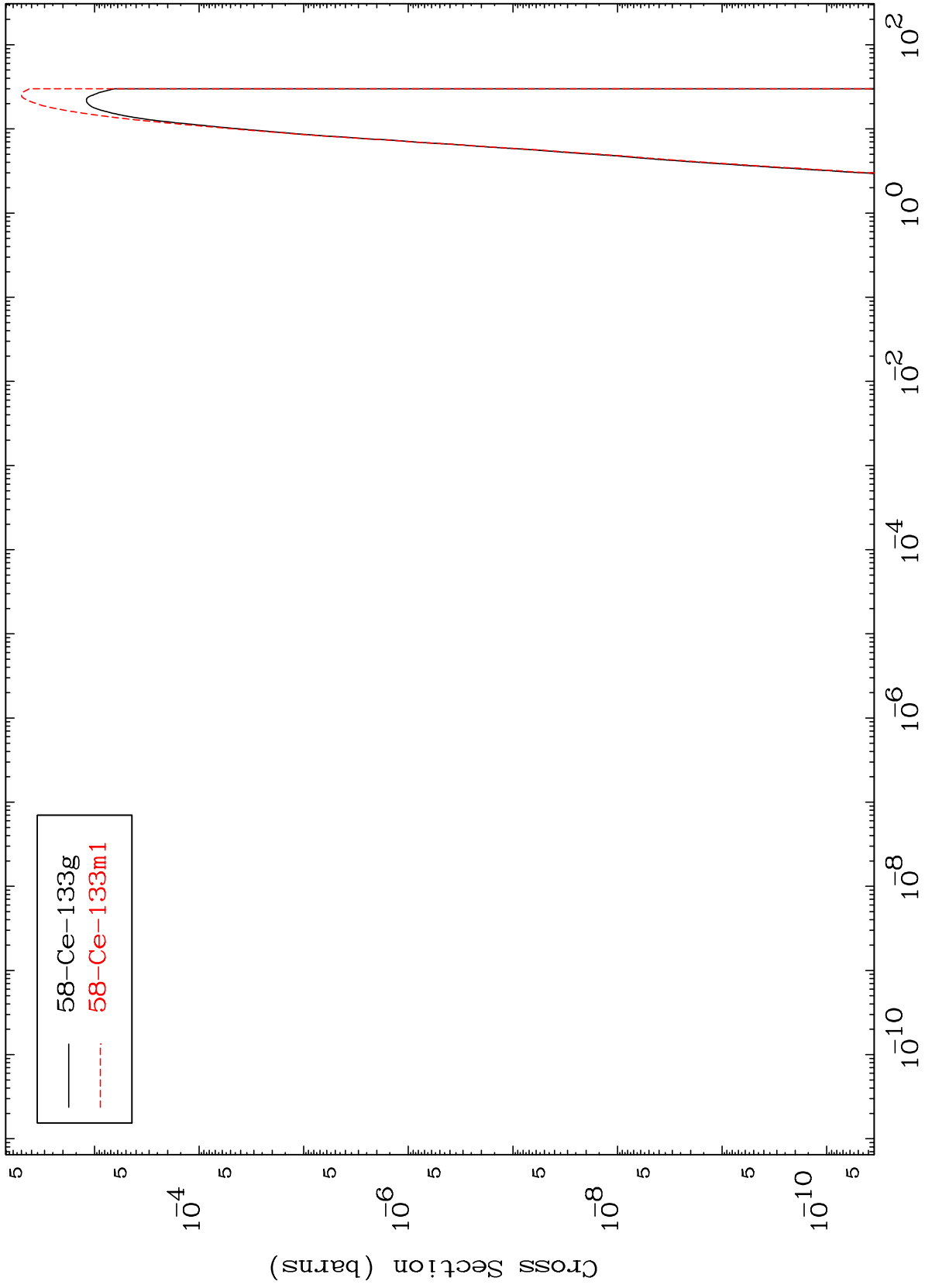


MAT 6119

(n,p) α

61-Pm-137

Radionuclide Production Cross Section



87

Incident Energy (MeV)

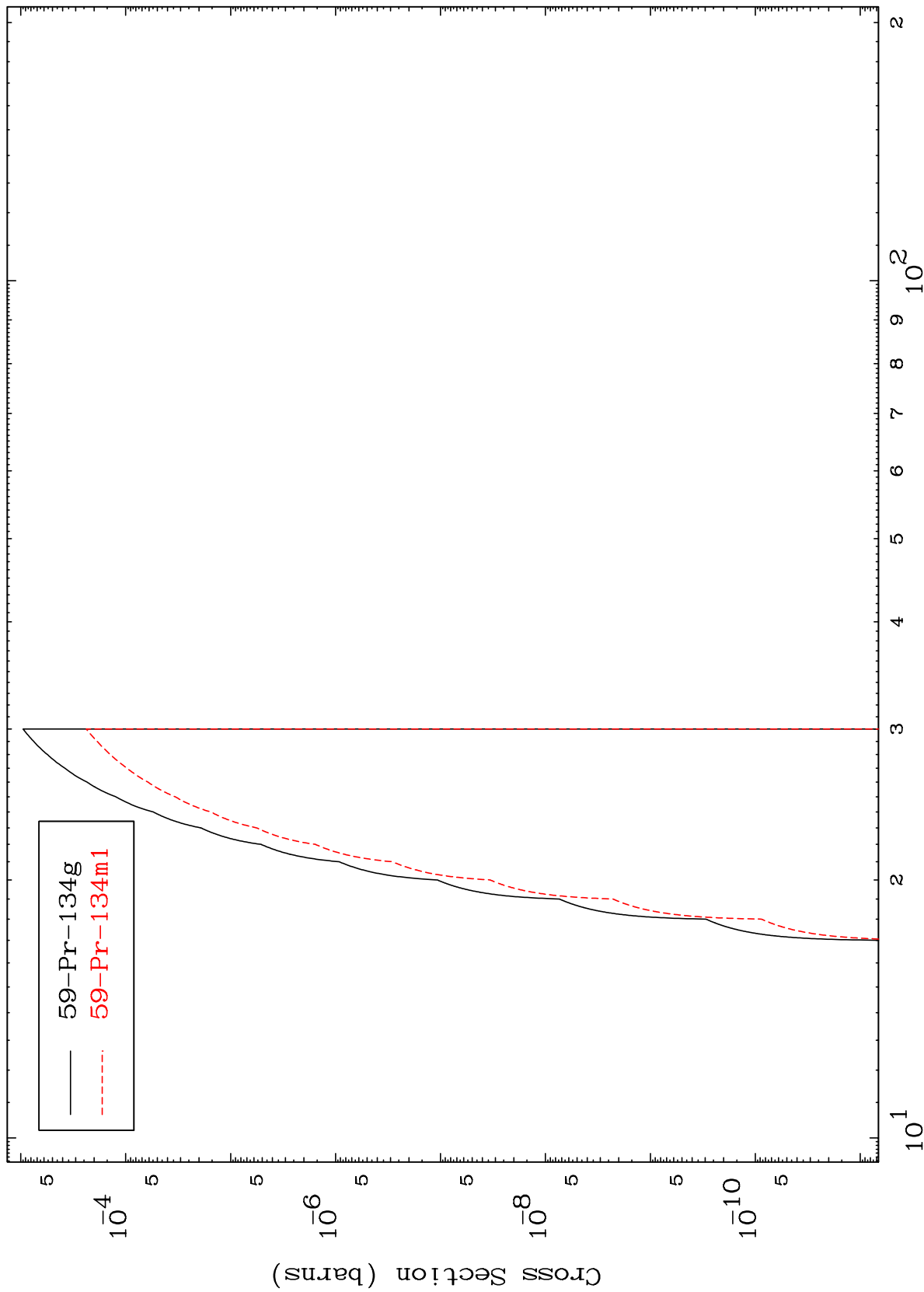
61-Pm-137

MAT 6119

(n,p) t

61-Pm-137

Radionuclide Production Cross Section



88

Incident Energy (MeV)

61-Pm-137