

Program EVALPLOT
(Version 2021-1)

by

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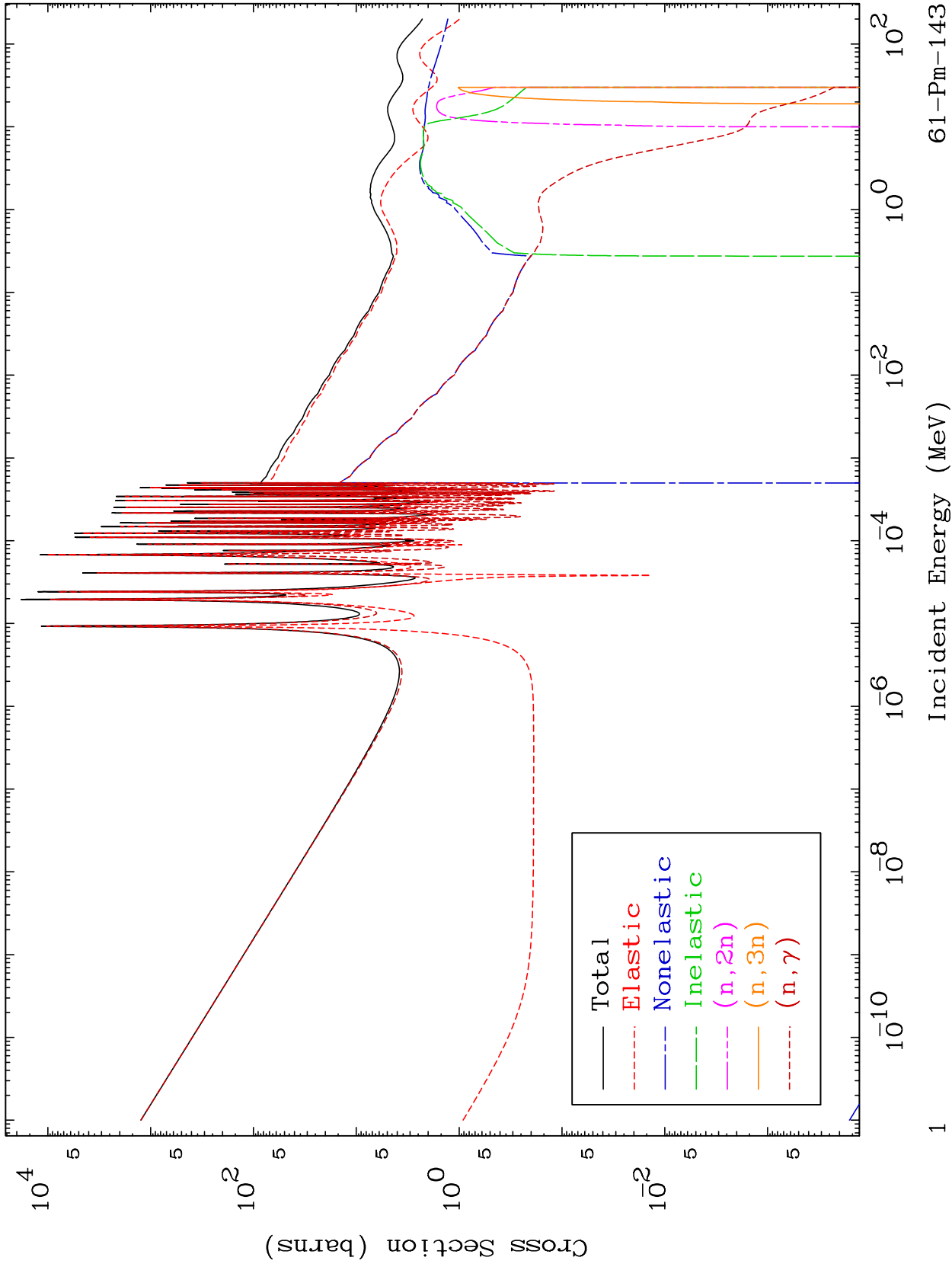
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Press Mouse Button to Start

MAT 6137

Neutron Major
293 Kelvin Cross Sections

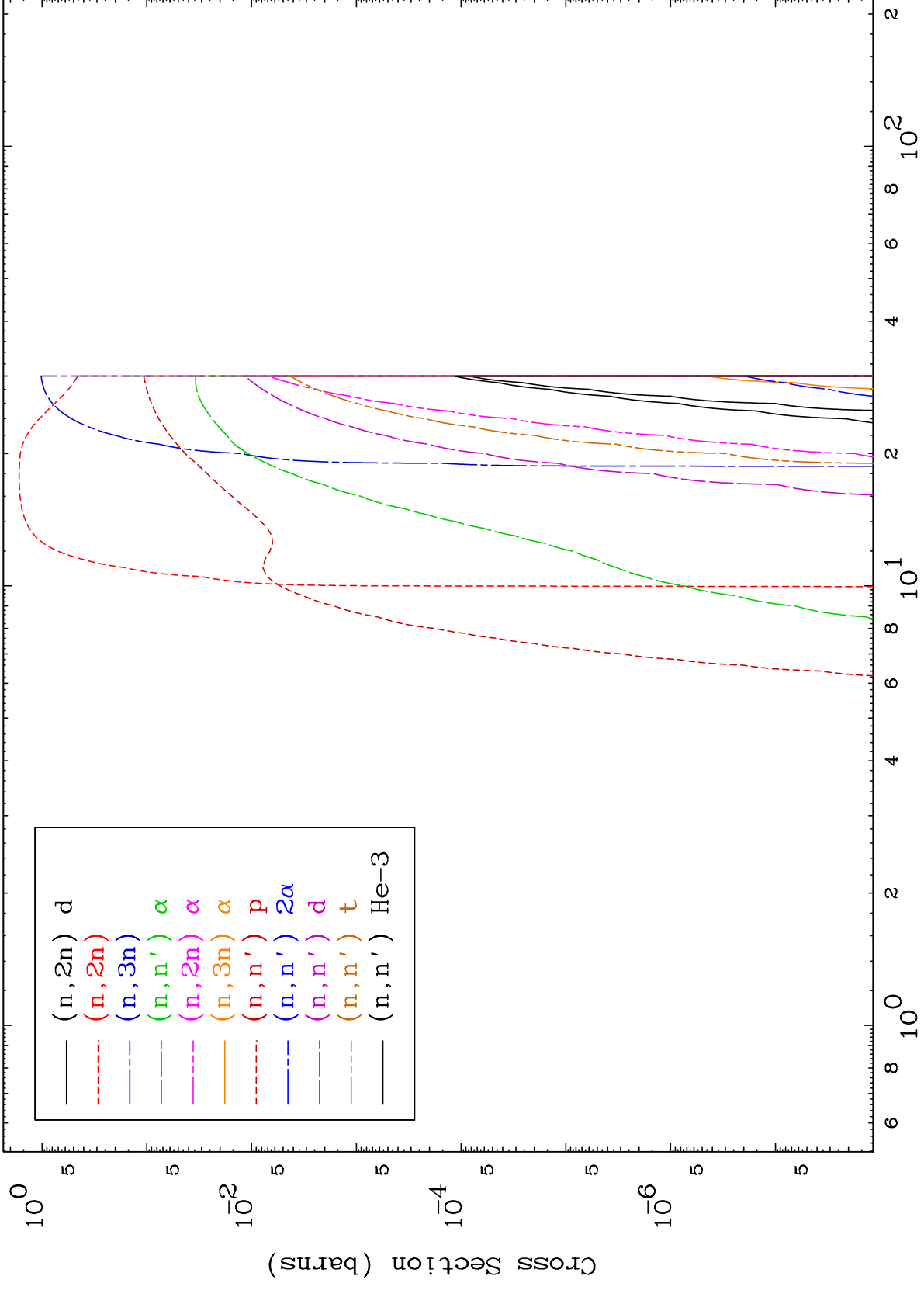
61-Pm-143



MAT 6137

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-143



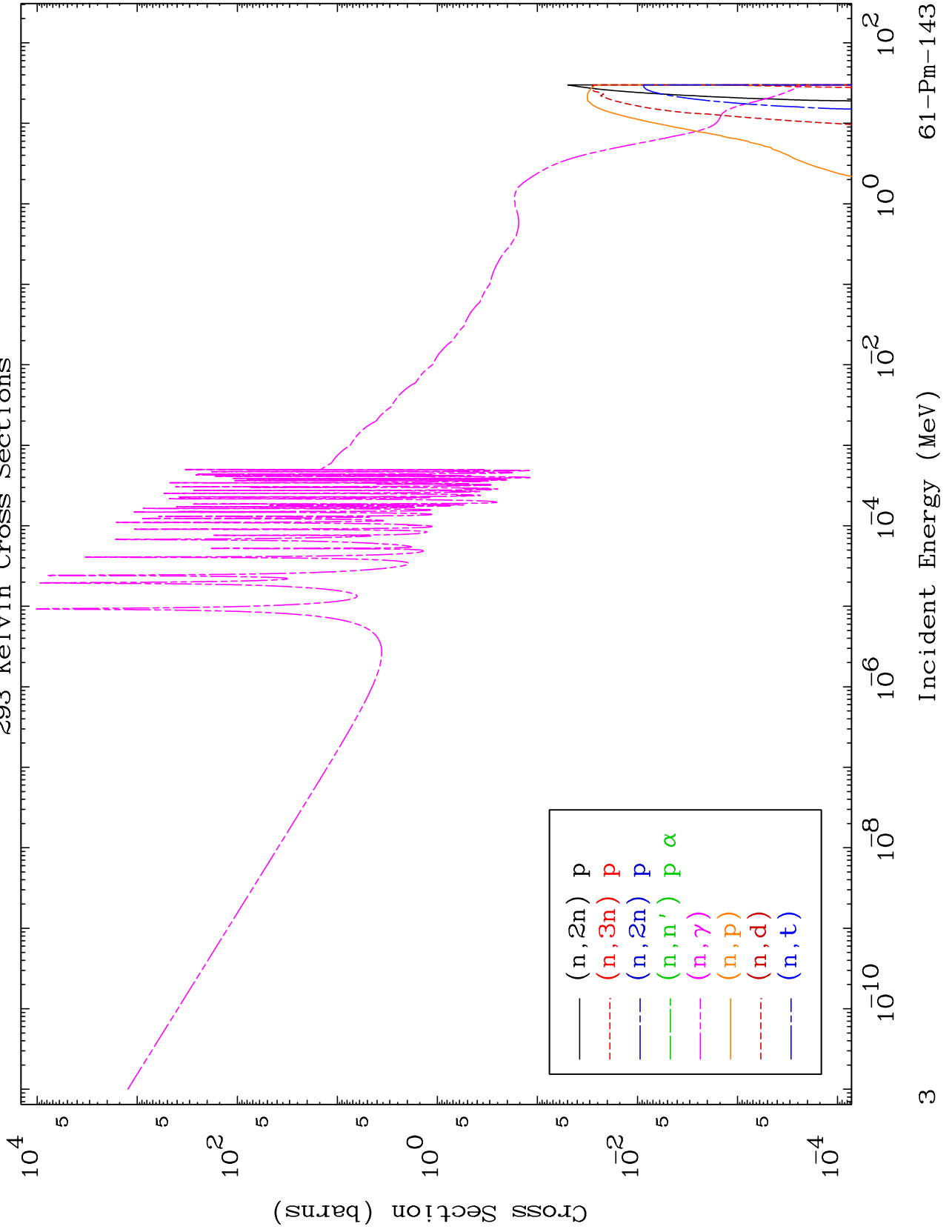
61-Pm-143

Incident Energy (MeV)

MAT 6137

Neutron Absorption
293 Kelvin Cross Sections

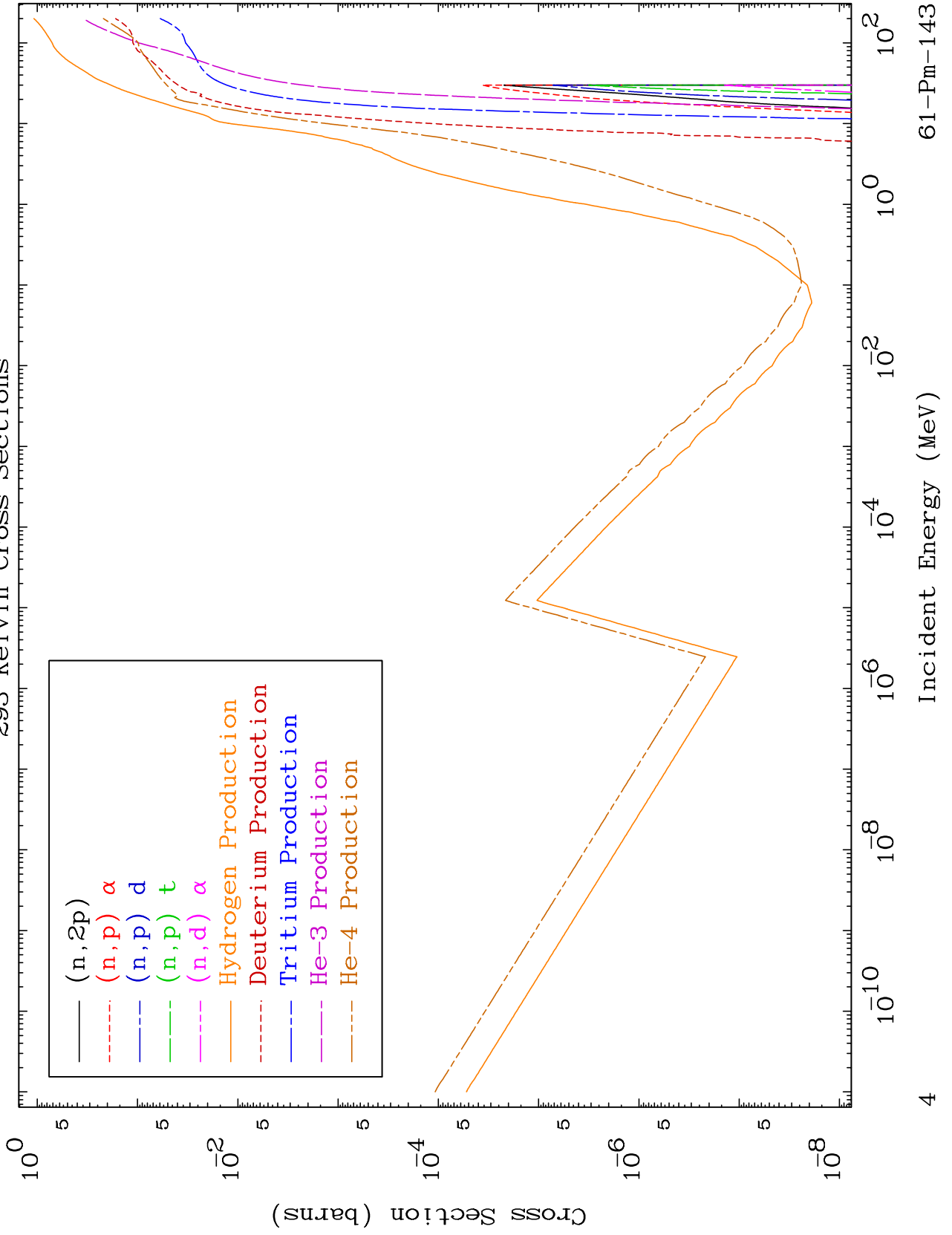
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MAT 6137

Neutron Absorption
293 Kelvin Cross Sections

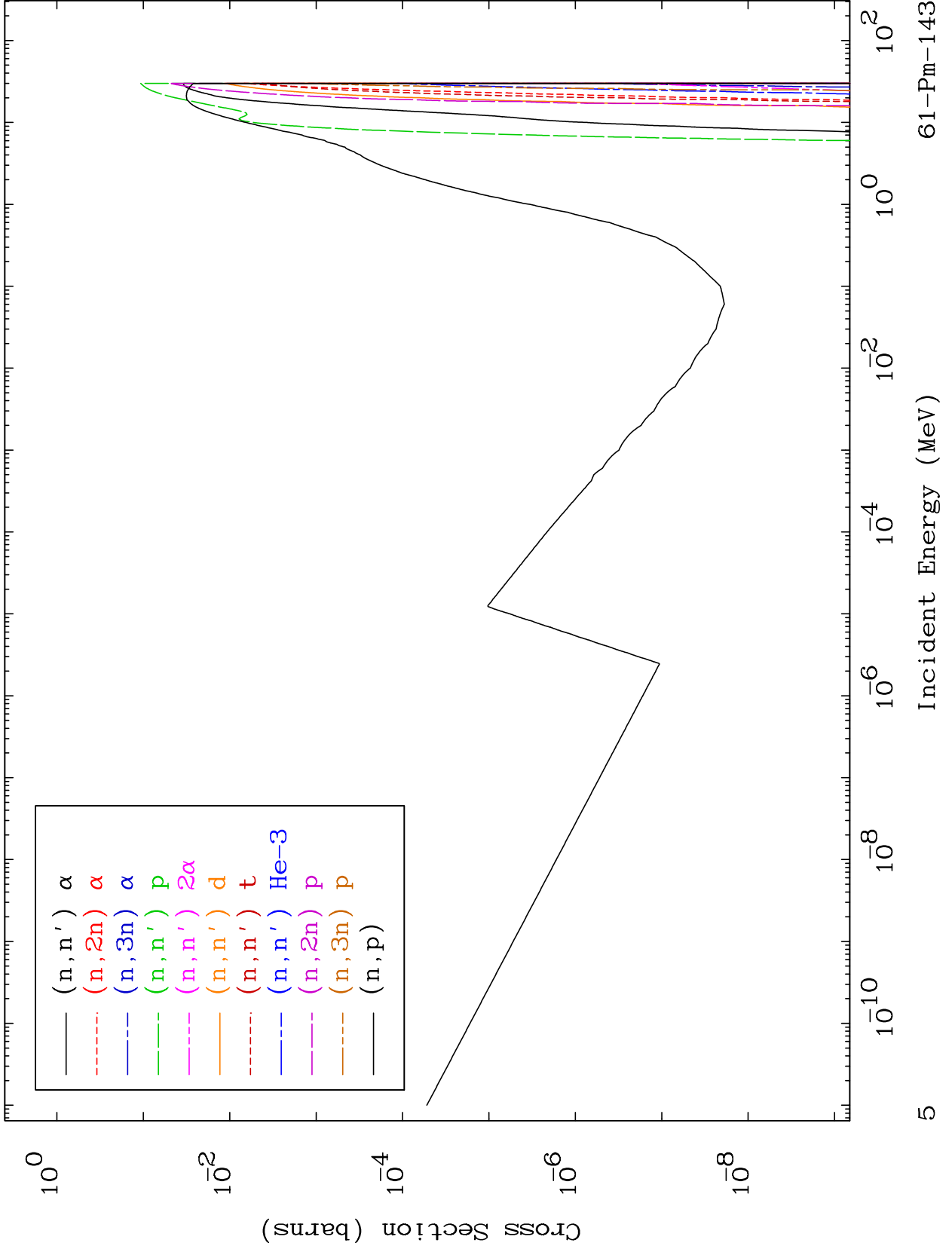
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MAT 6137

Charged Particle
293 Kelvin Cross Sections

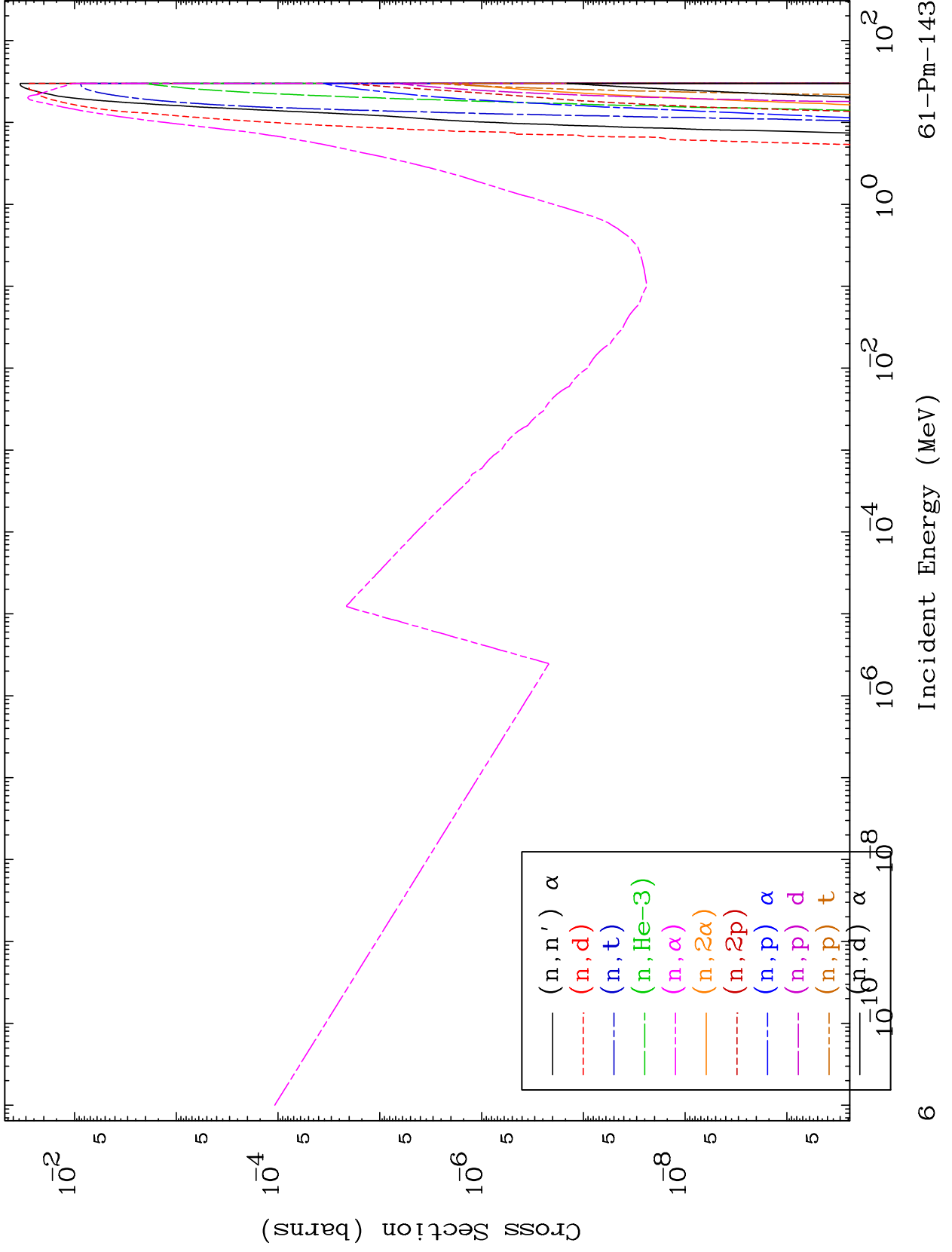
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MAT 6137

Charged Particle
293 Kelvin Cross Sections

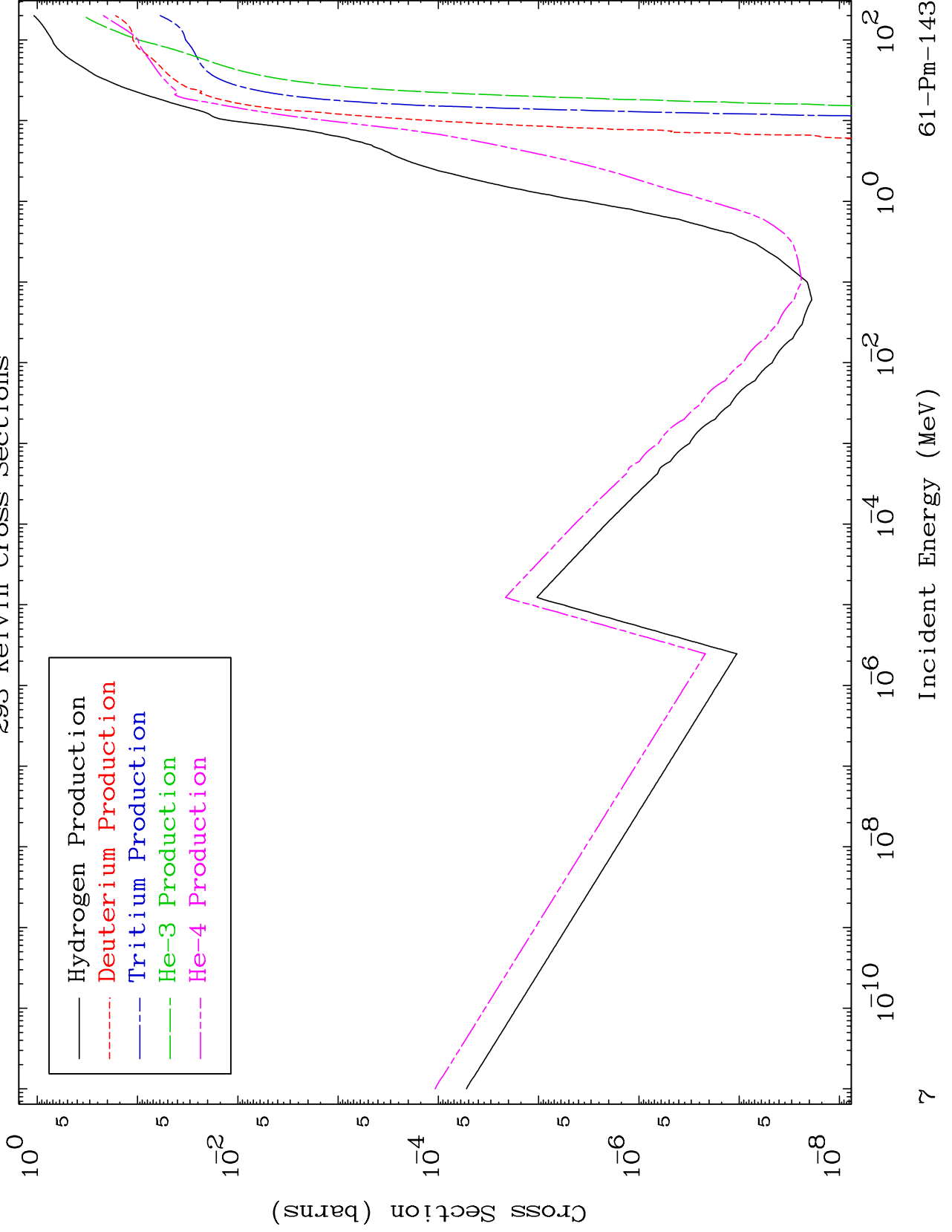
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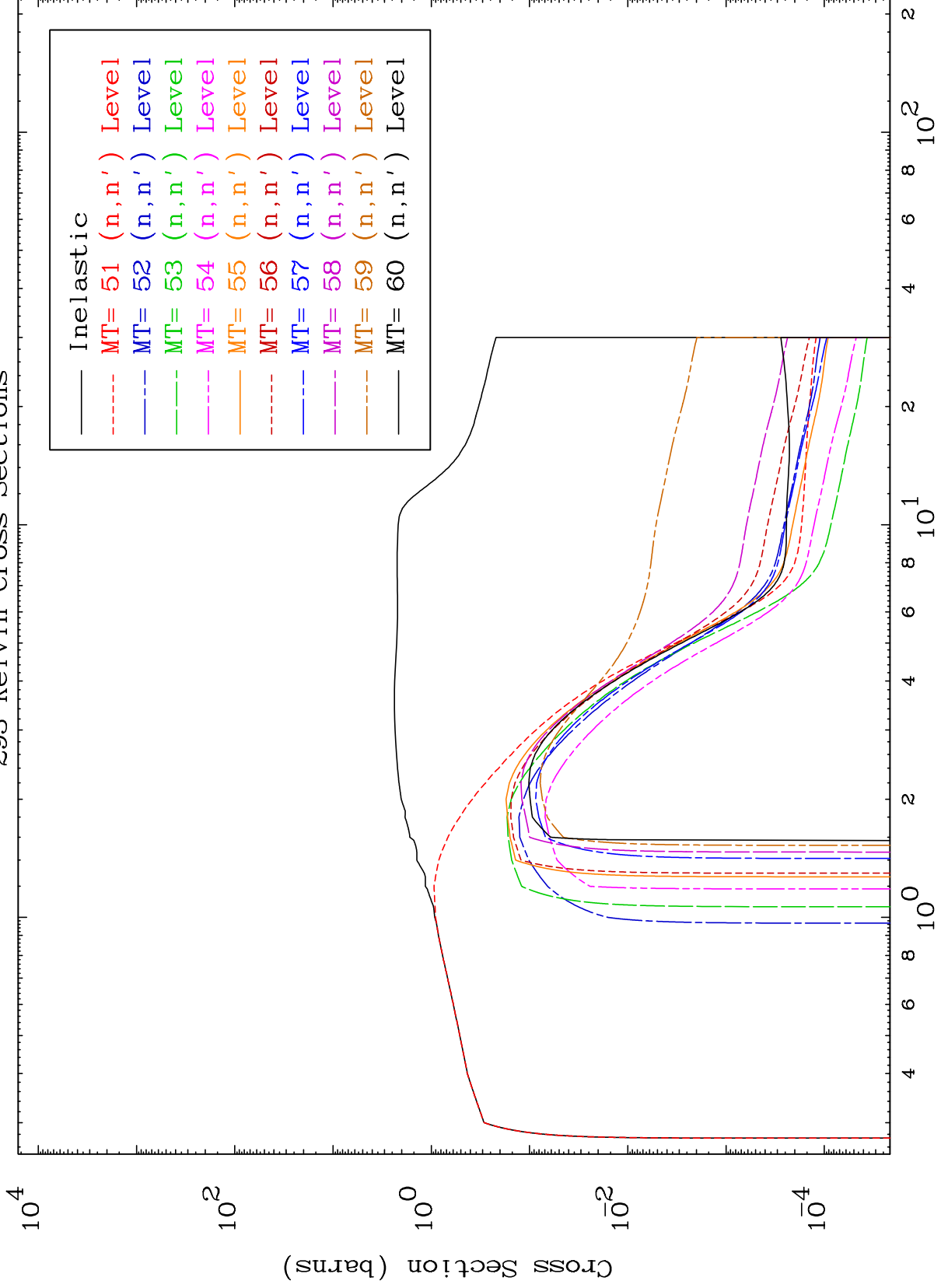
MAT 6137

Particle Production
293 Kelvin Cross Sections

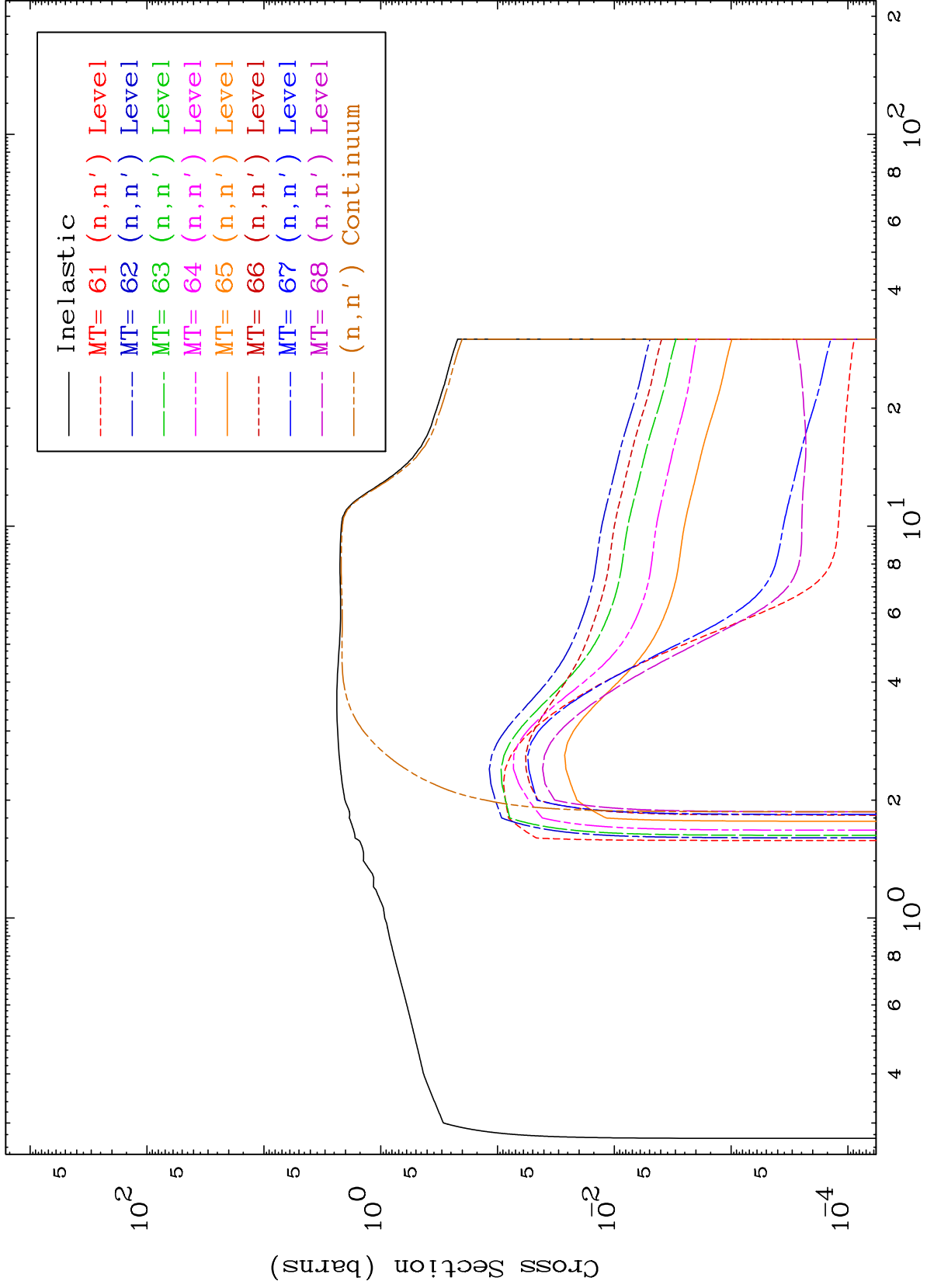
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293 Kelvin Cross Sections



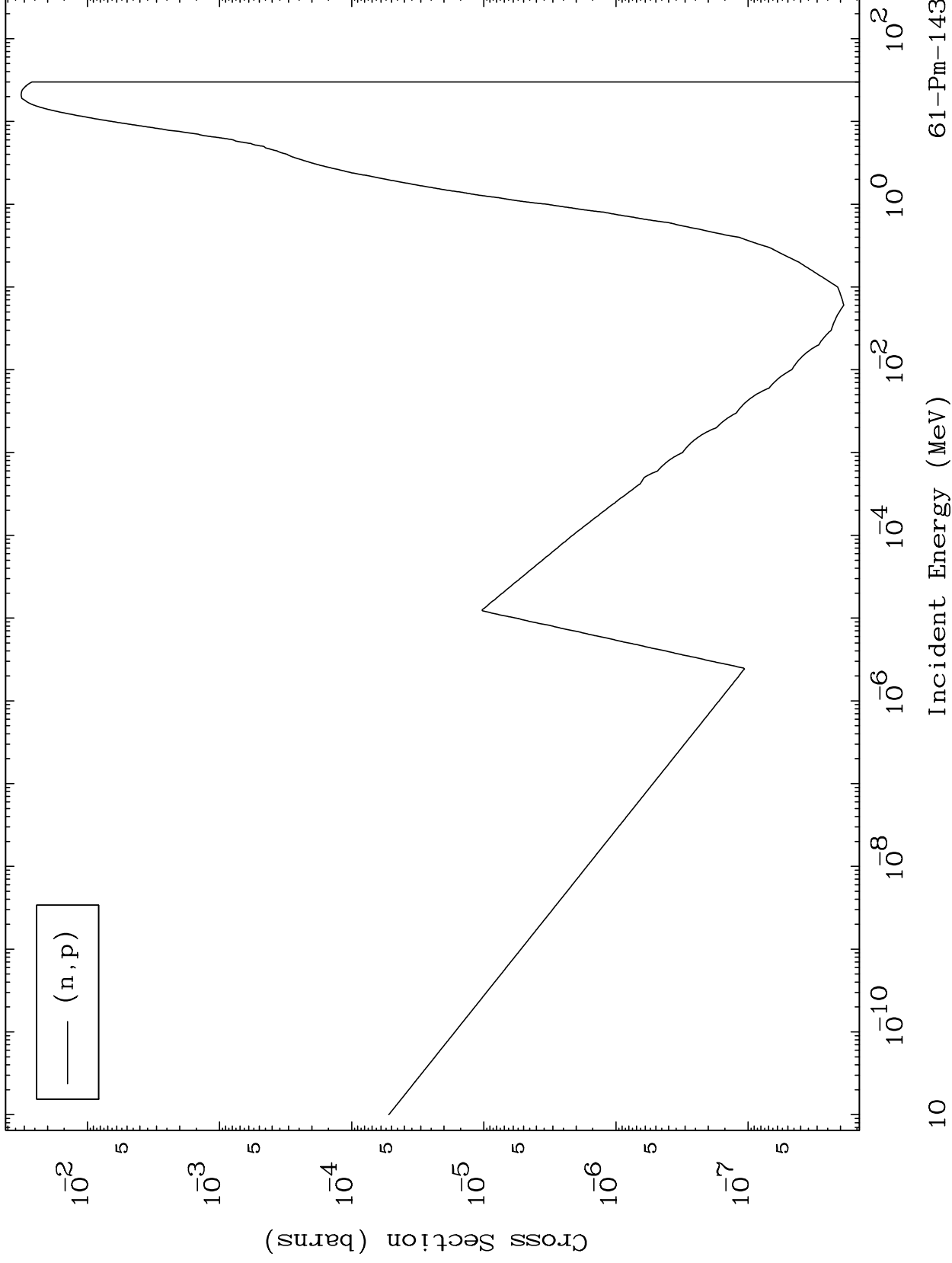
293 Kelvin Cross Sections



MAT 6137

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-143



10

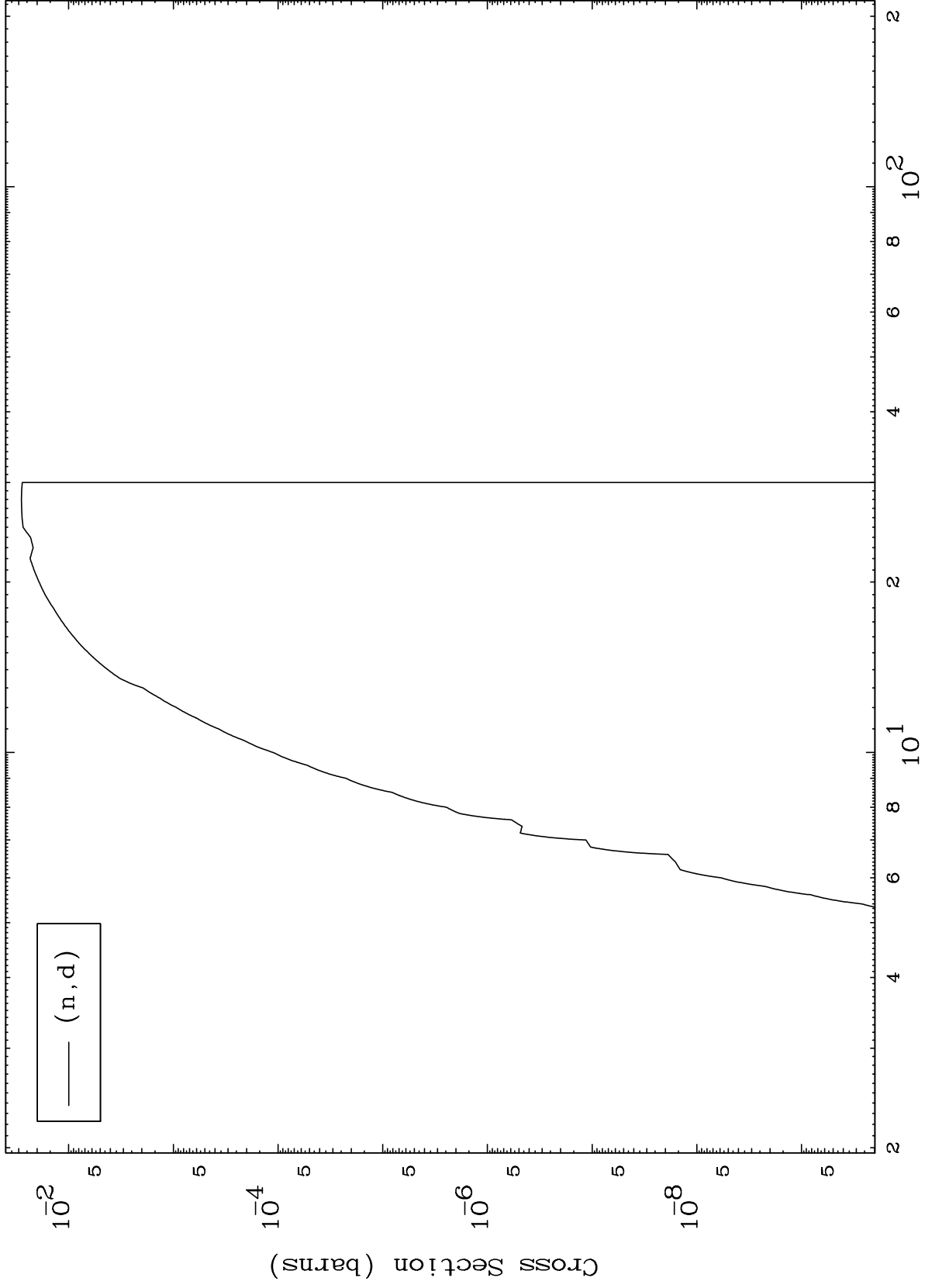
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,d) Levels
293 Kelvin Cross Sections

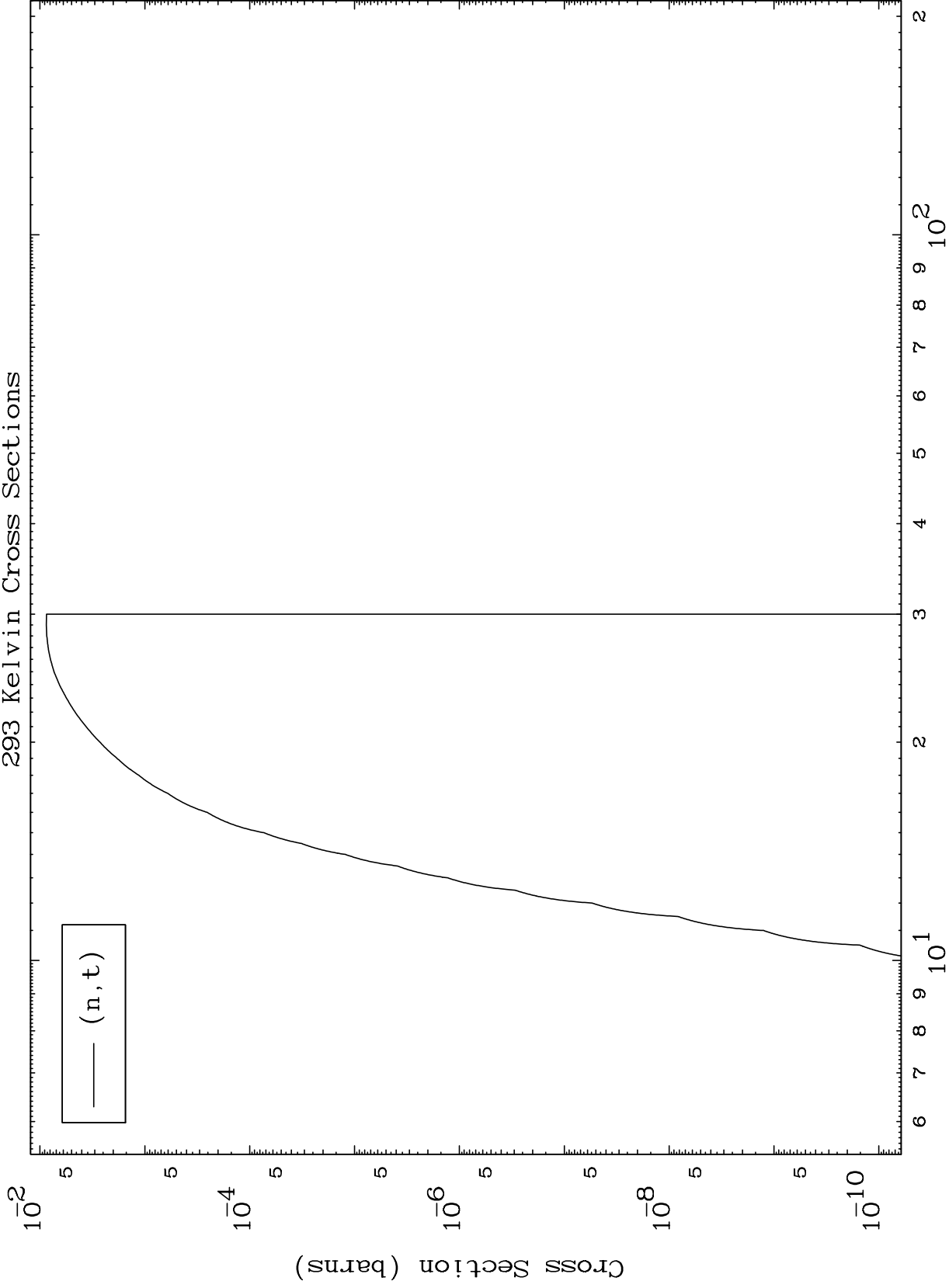
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MAT 6137

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-143



12

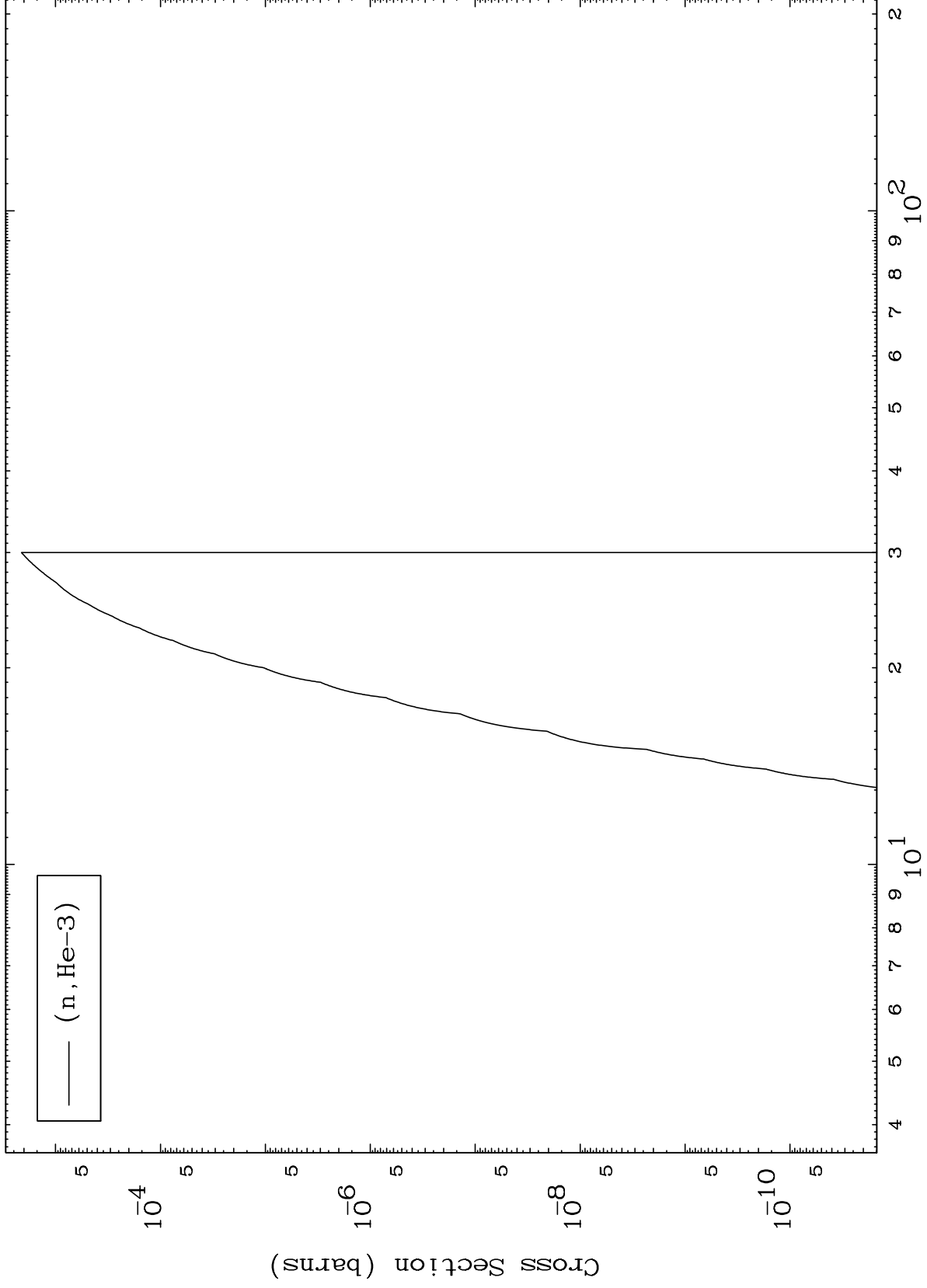
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-143



13

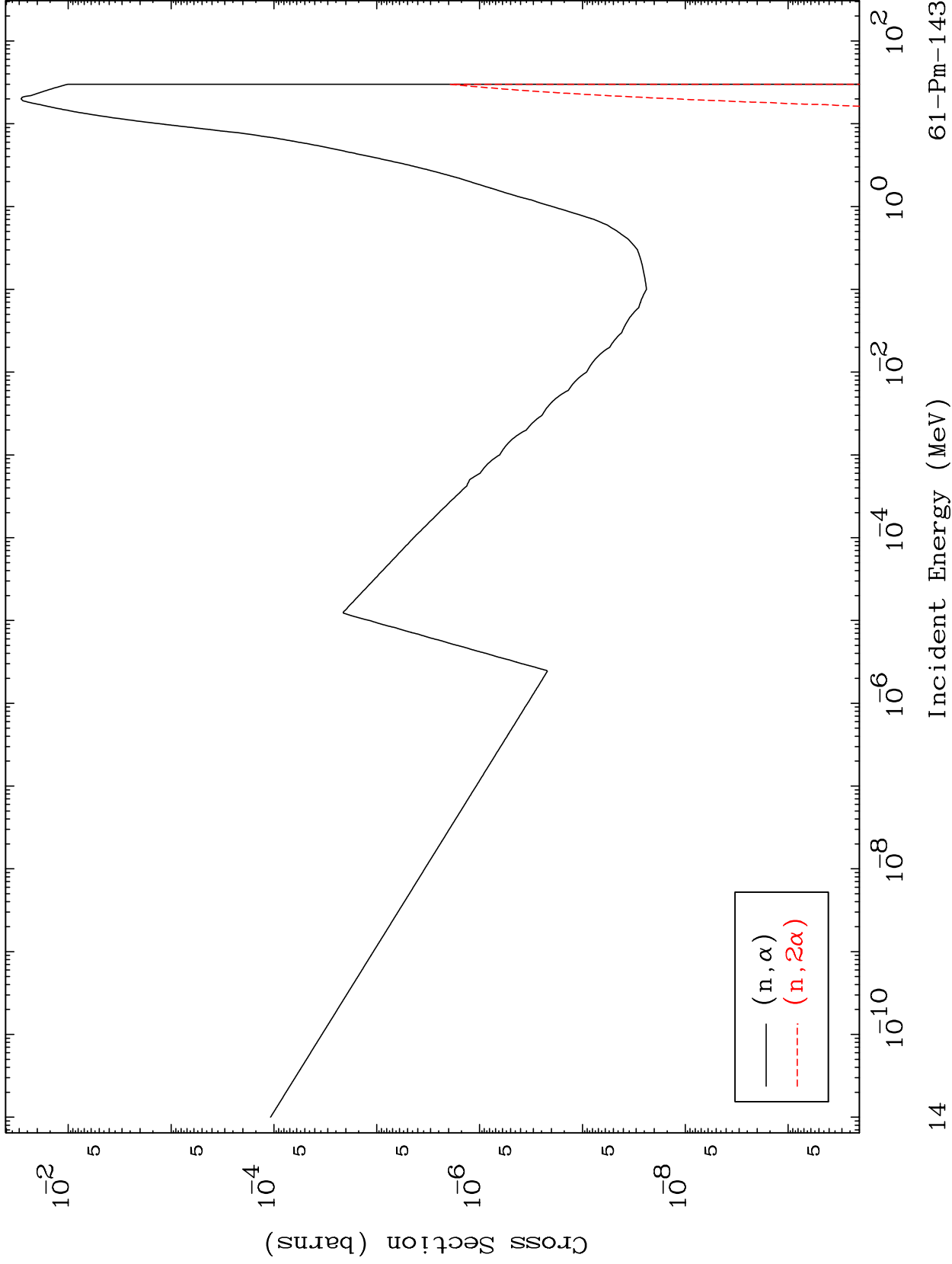
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,α) Levels
293 Kelvin Cross Sections

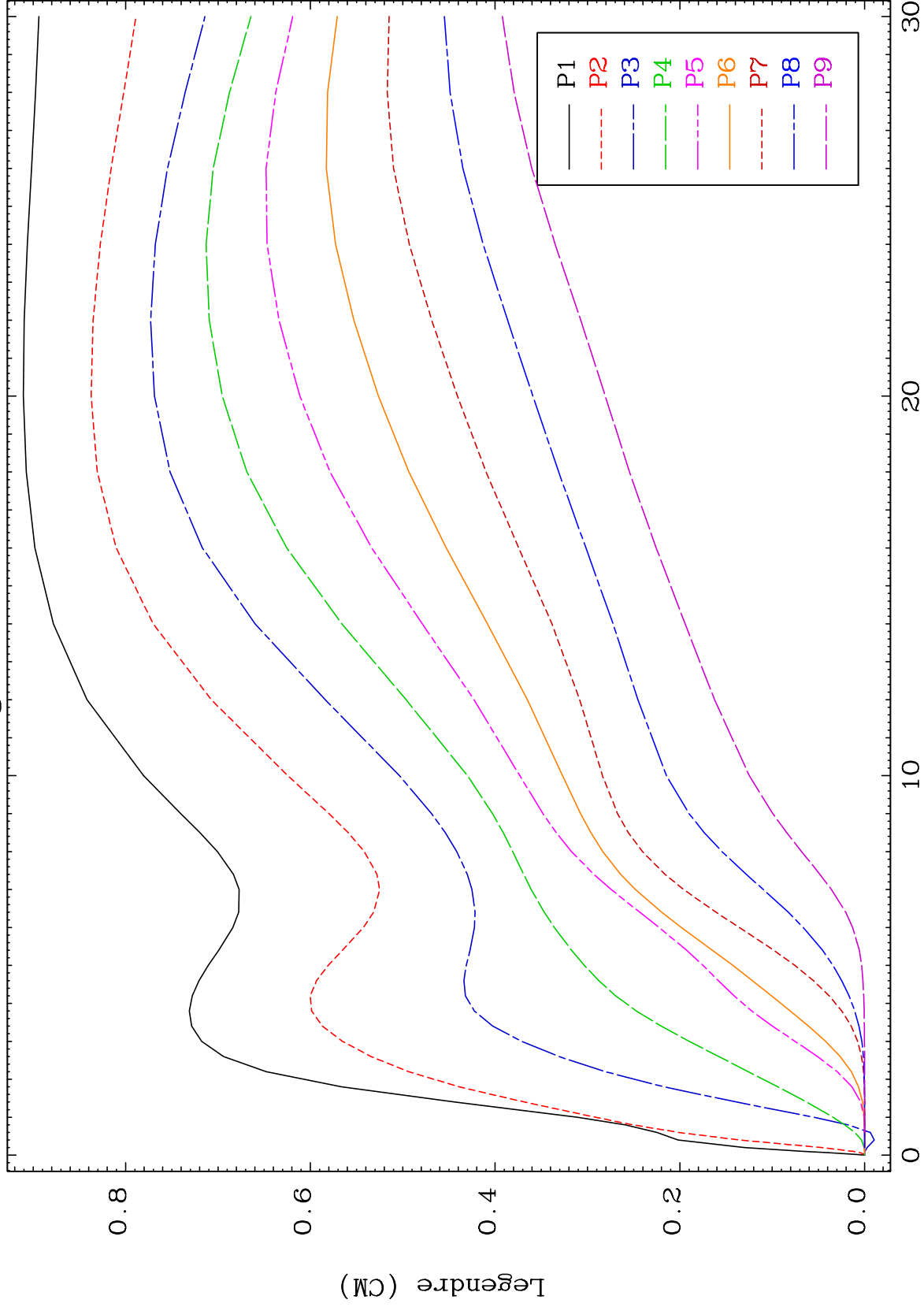
61-Pm-143



MAT 6137

Elastic Legendre Coefficients

61-Pm-143



0

Incident Energy (MeV)

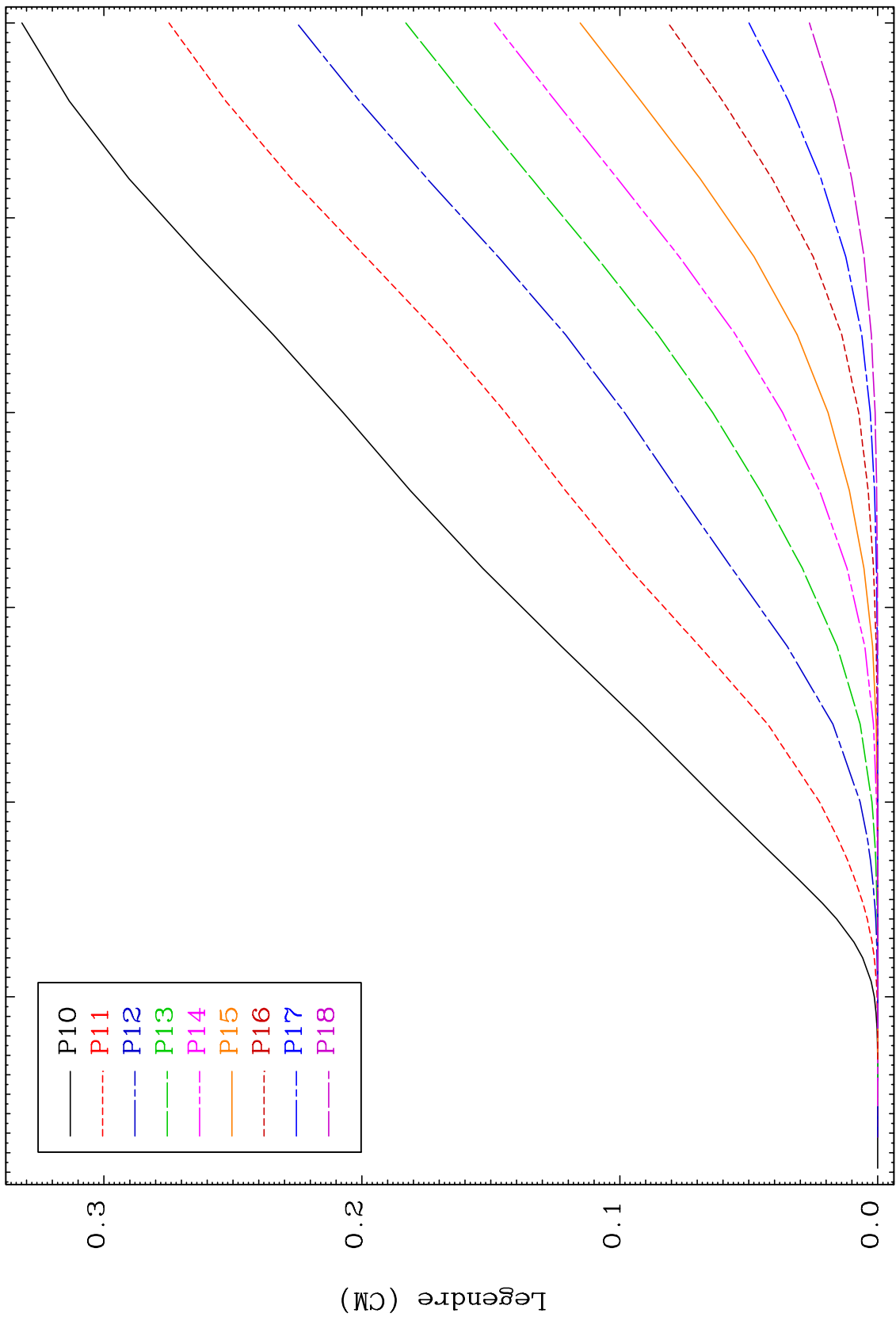
61-Pm-143

30

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



16

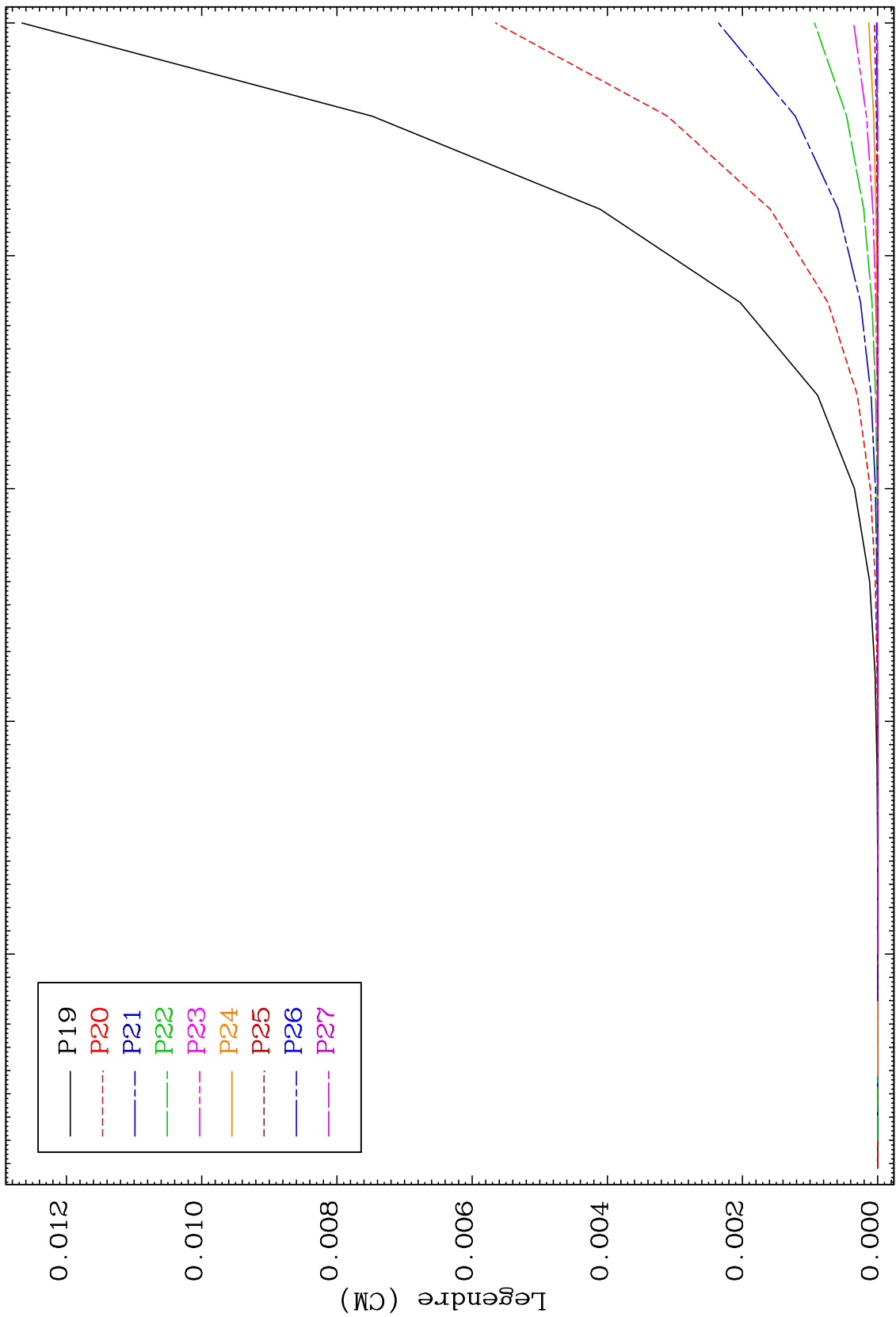
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



17

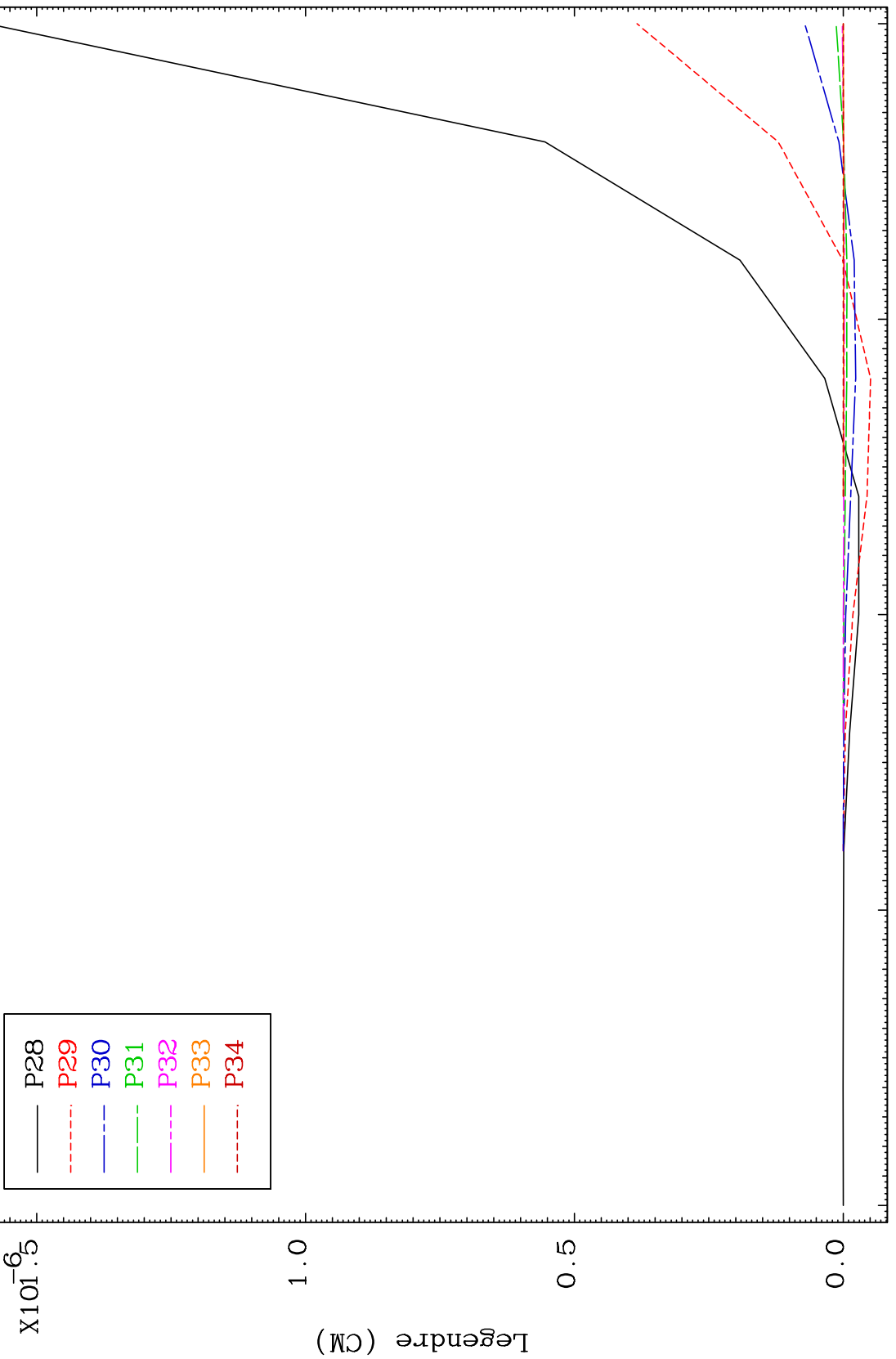
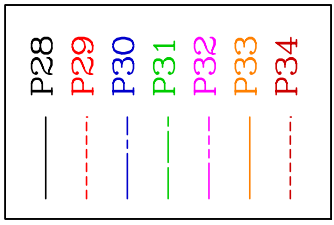
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



18

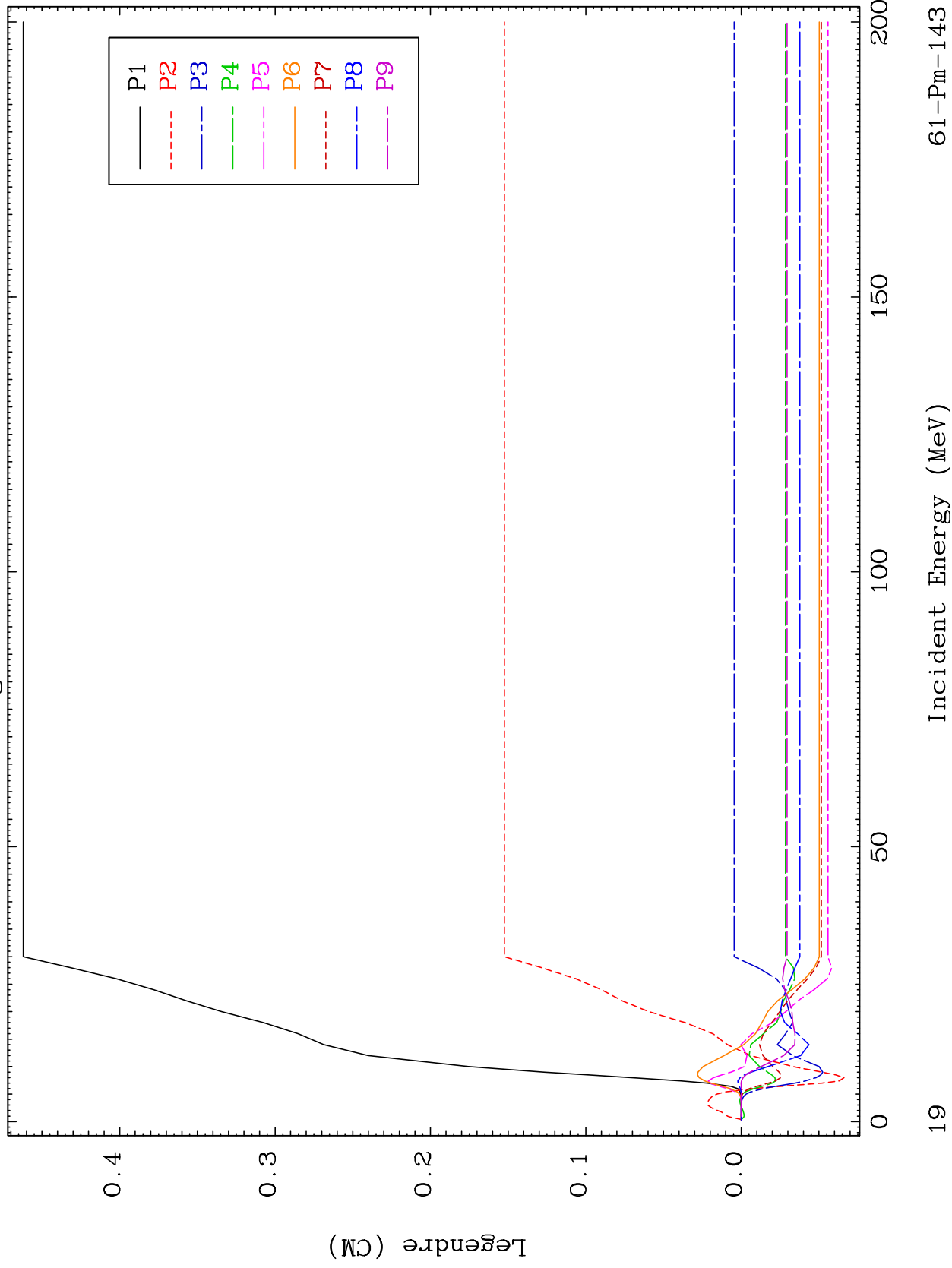
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



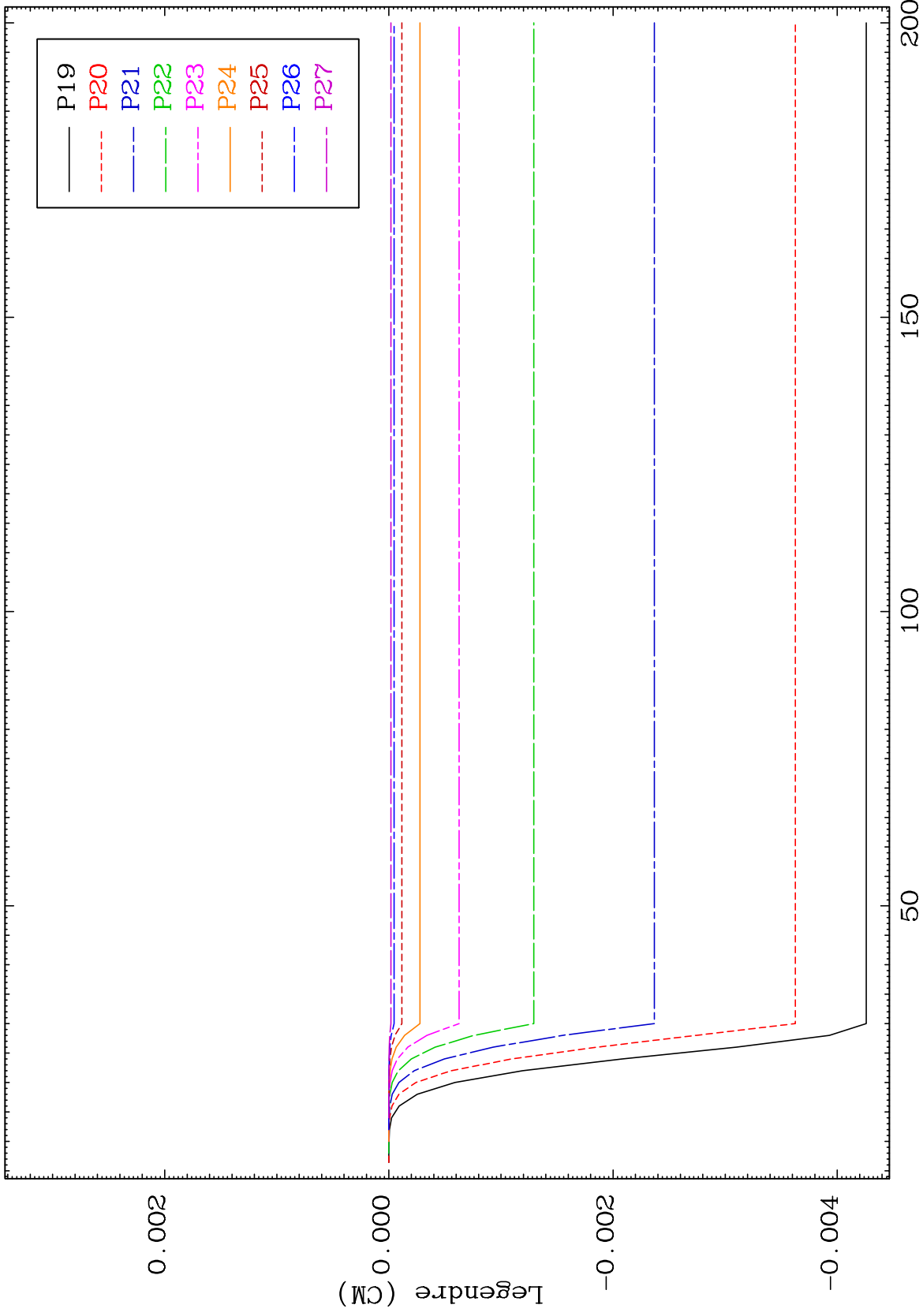
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61-Pm-143

MAT 6137

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

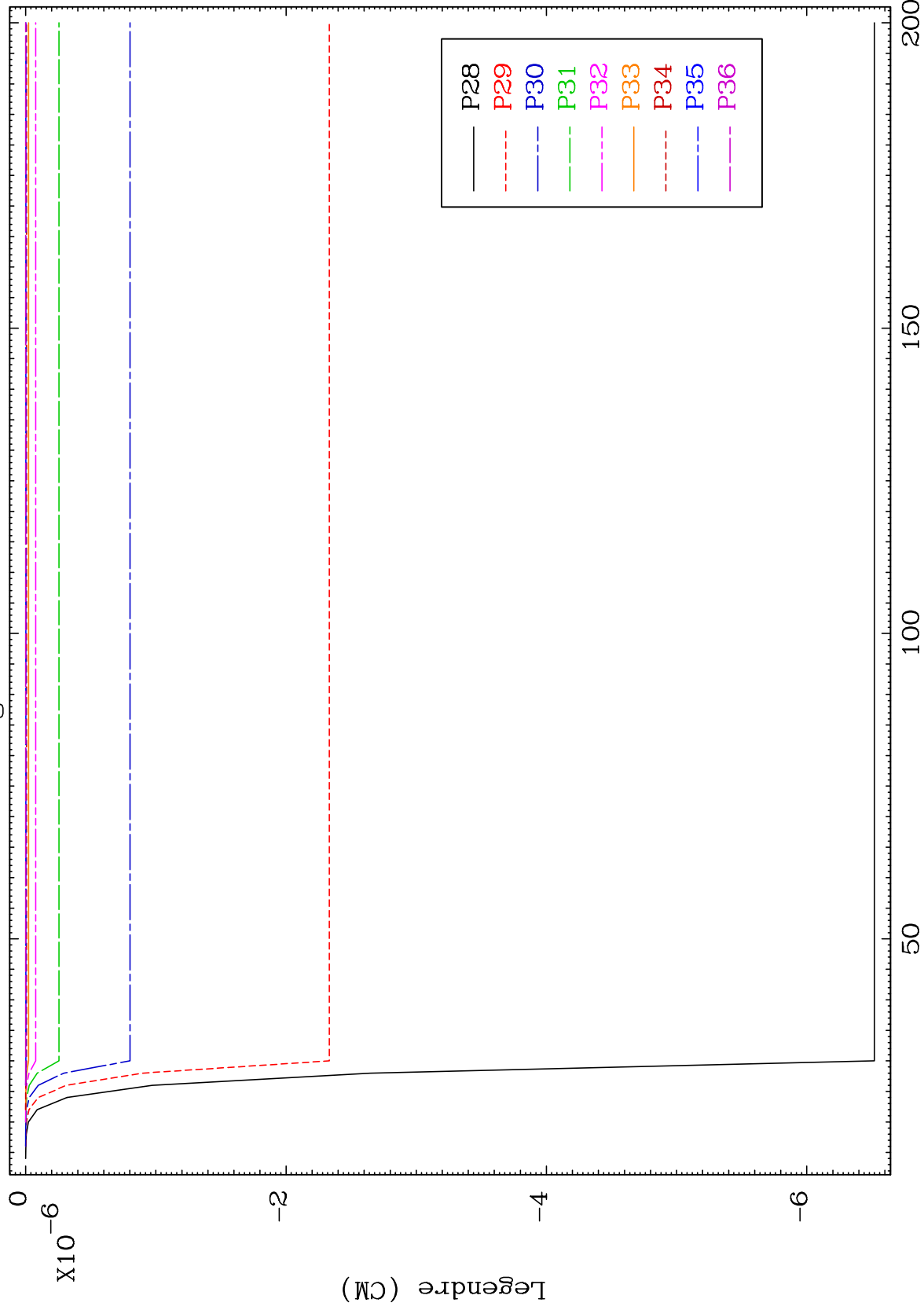
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MAT 6137

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

61-Pm-143



22

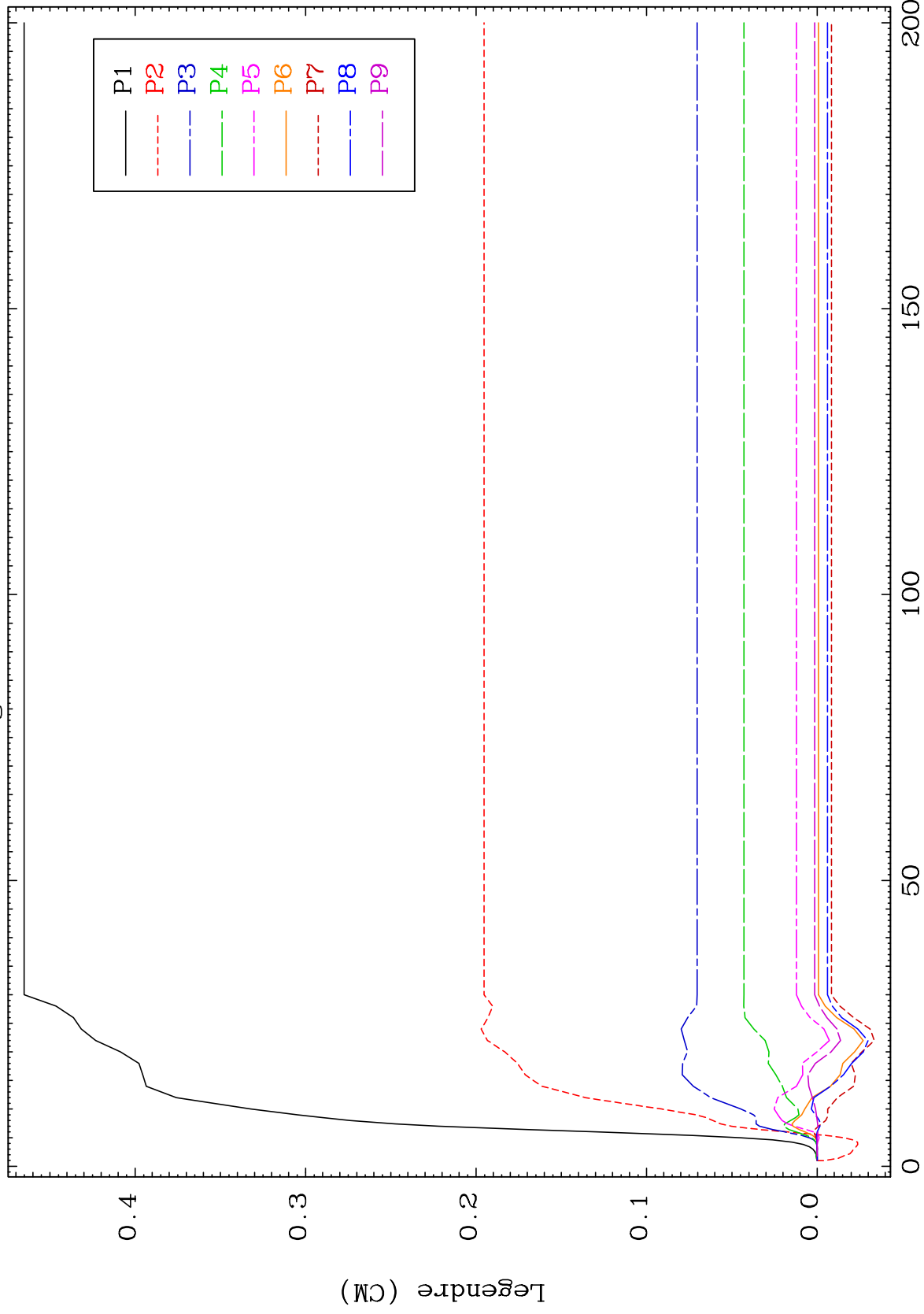
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



23

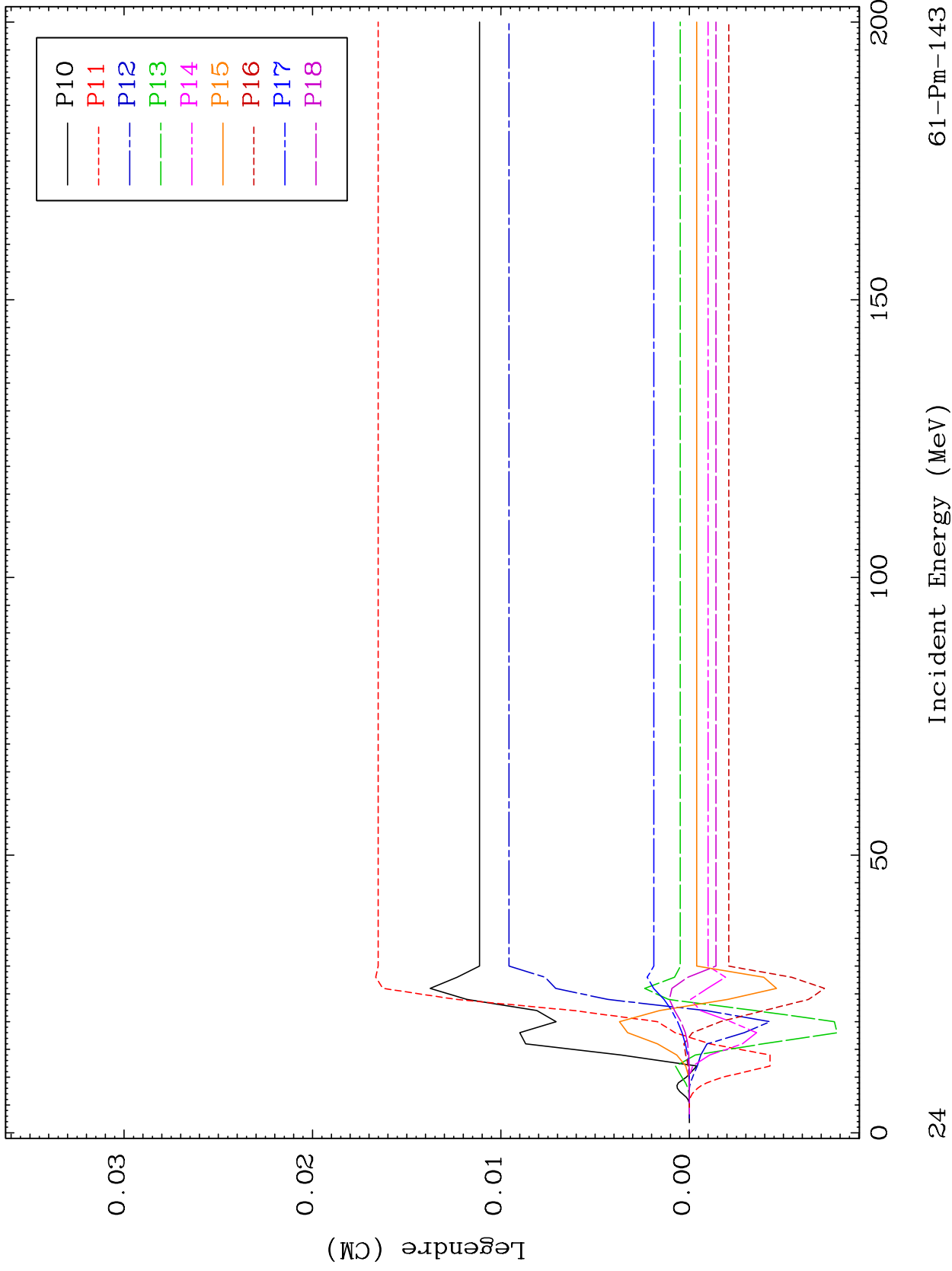
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



24

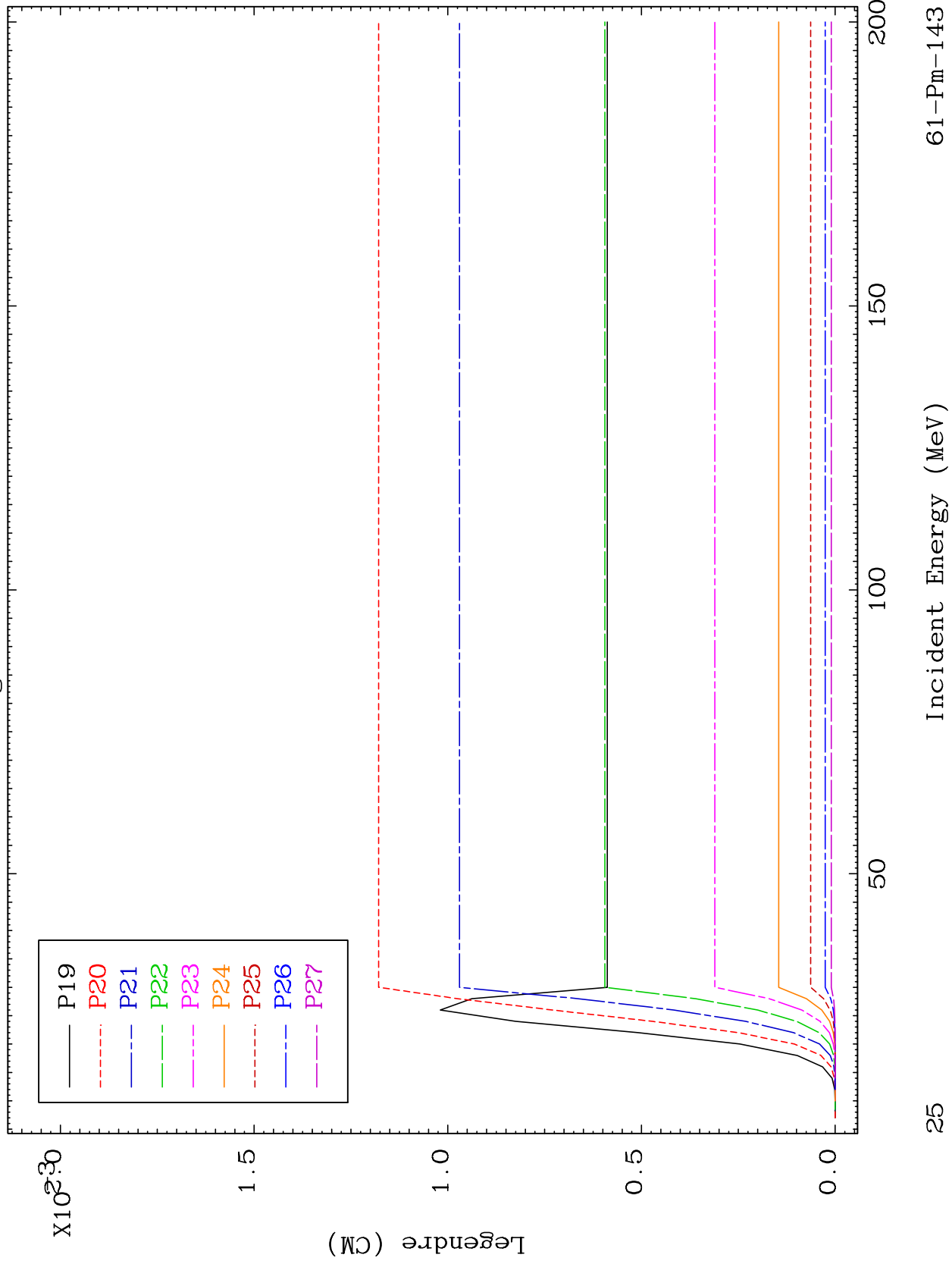
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



25

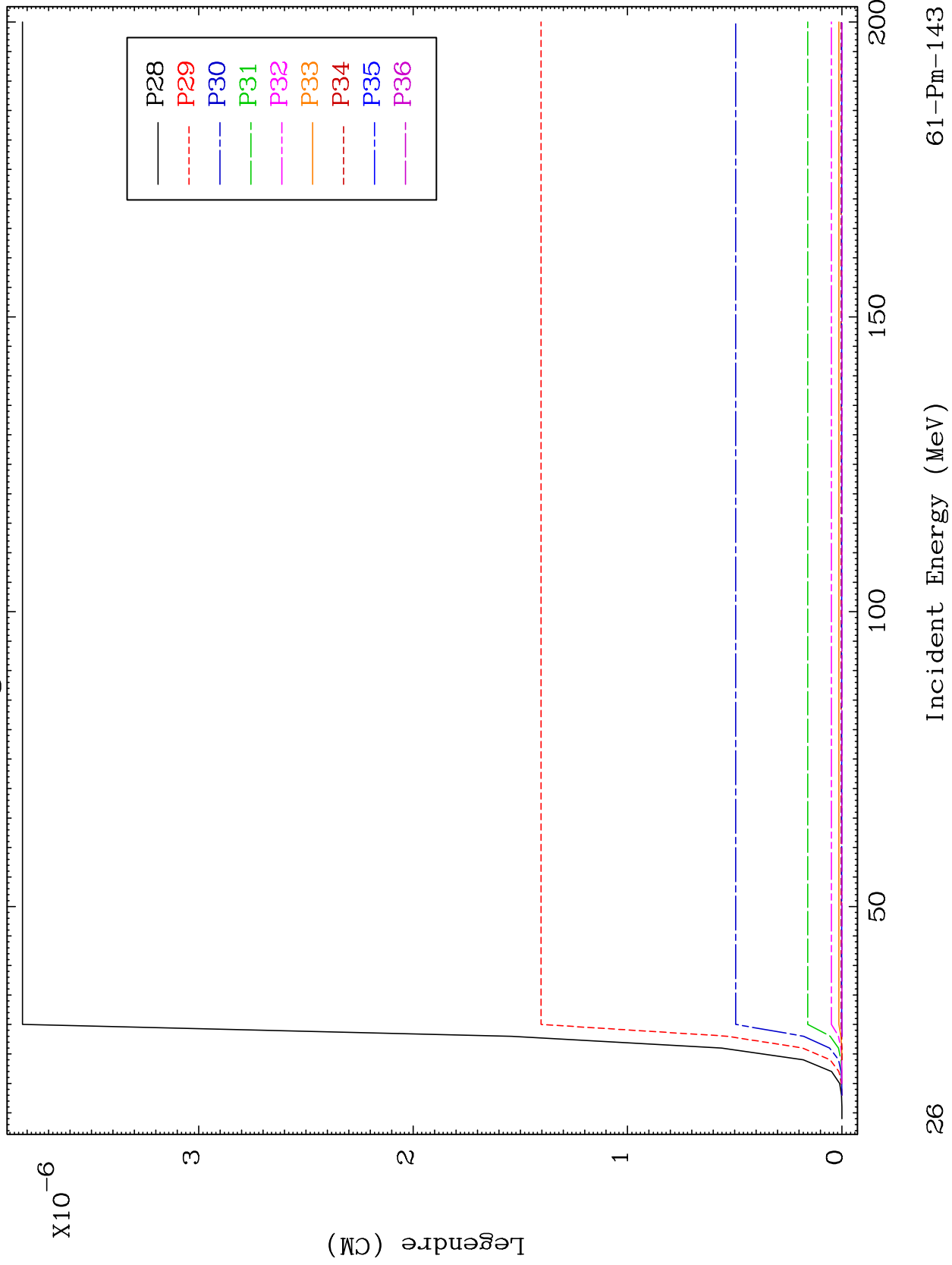
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



26

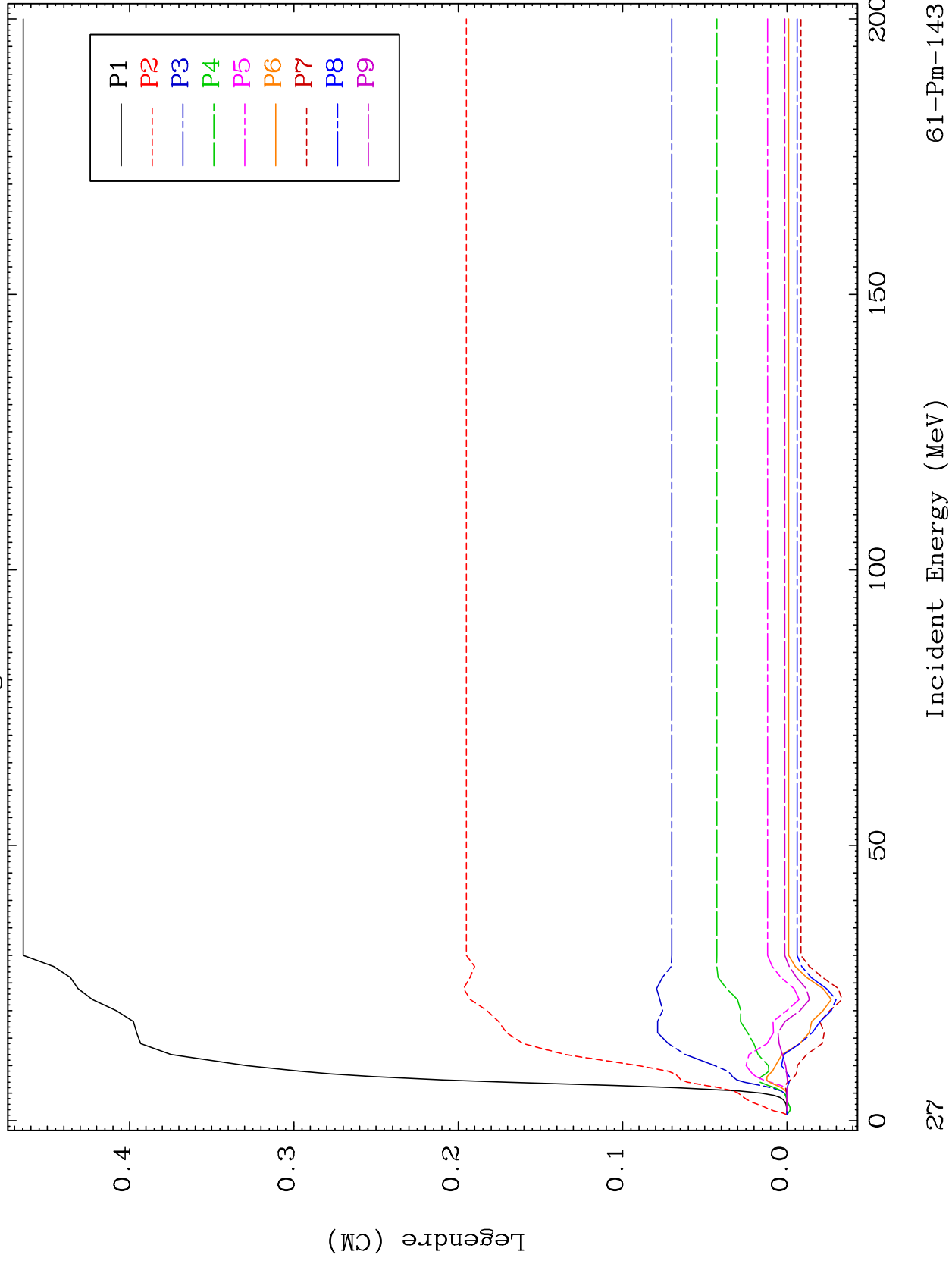
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

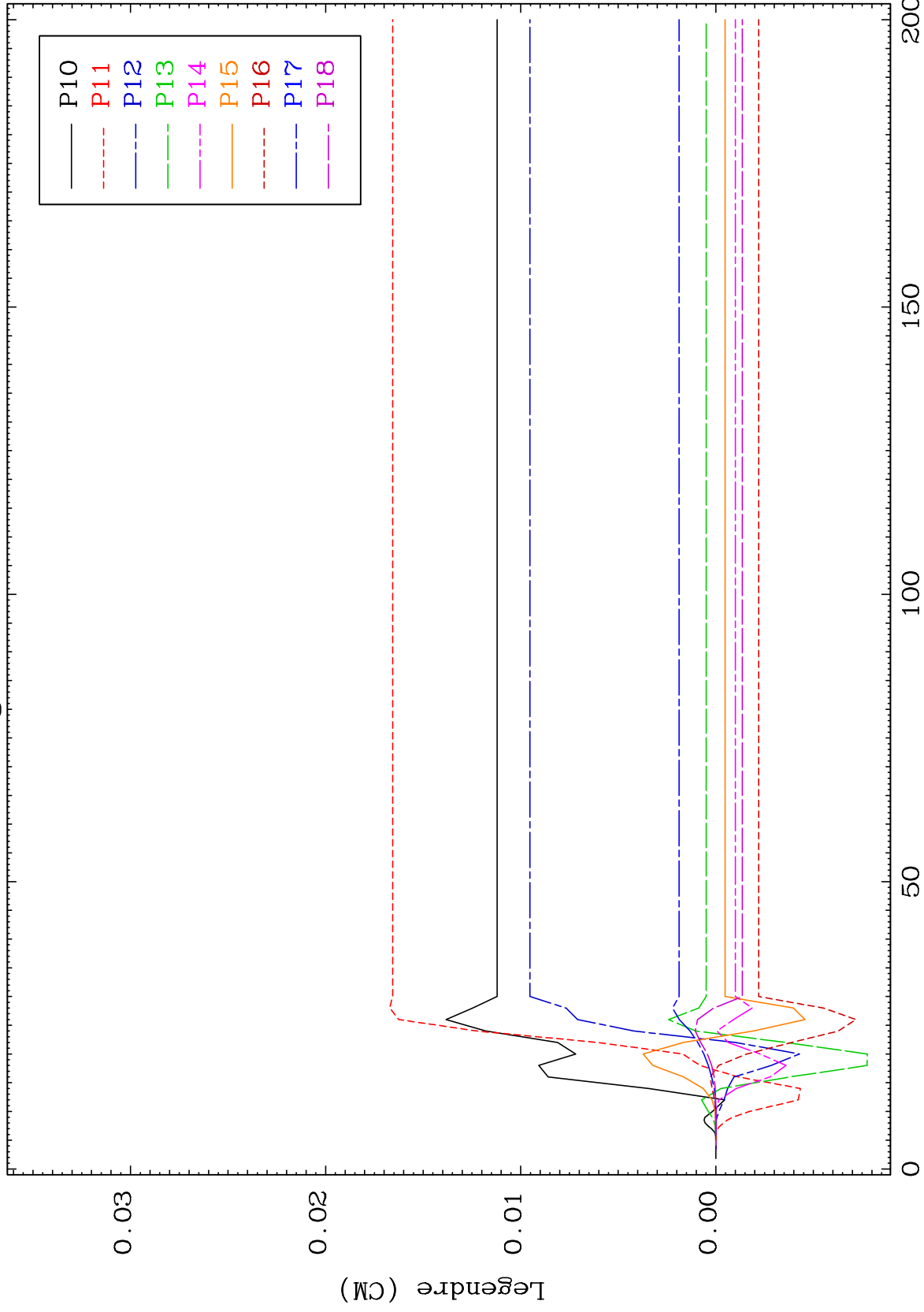
Incident Energy (MeV)

27

MAT 6137

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

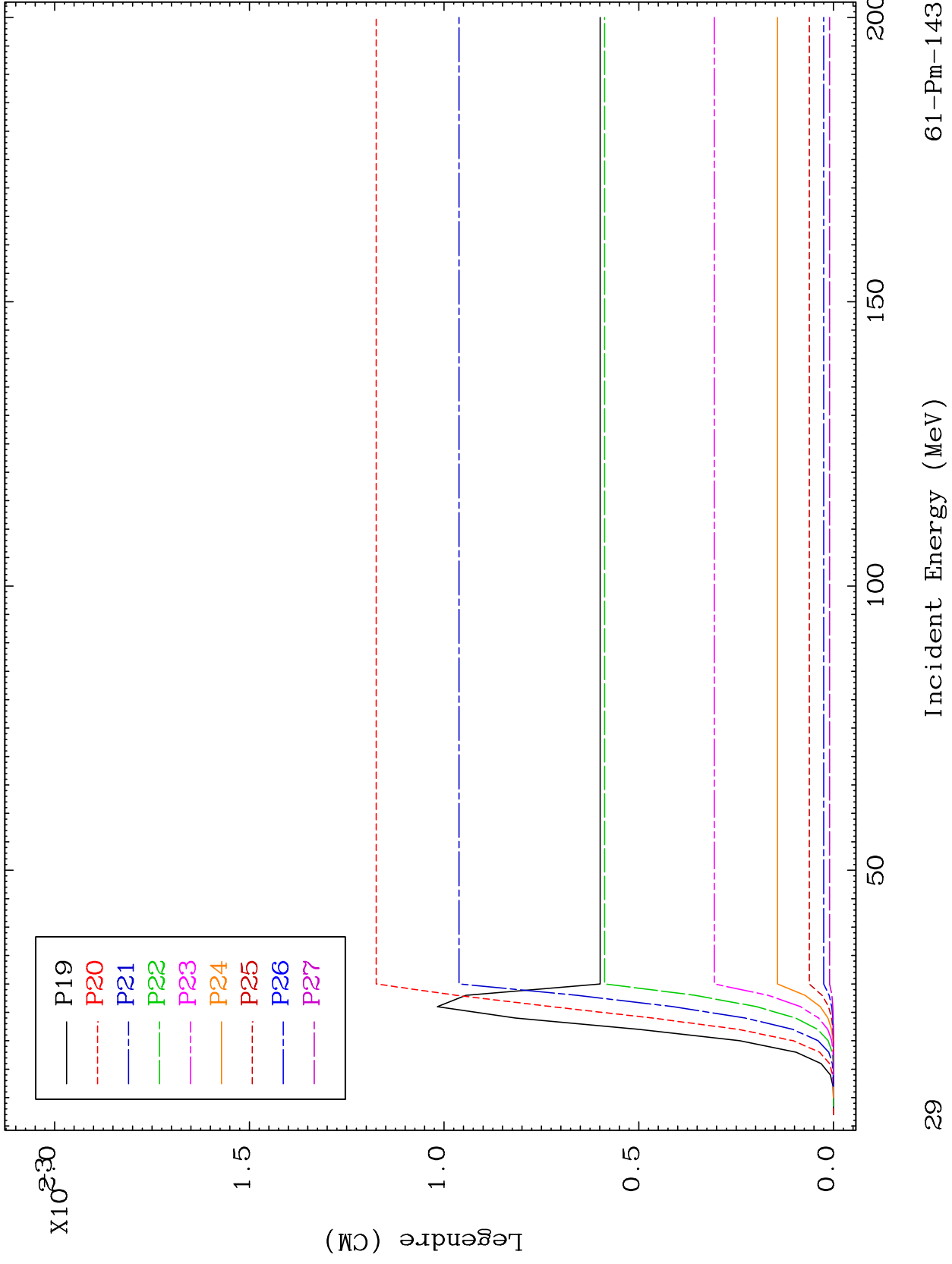
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28

Incident Energy (MeV)

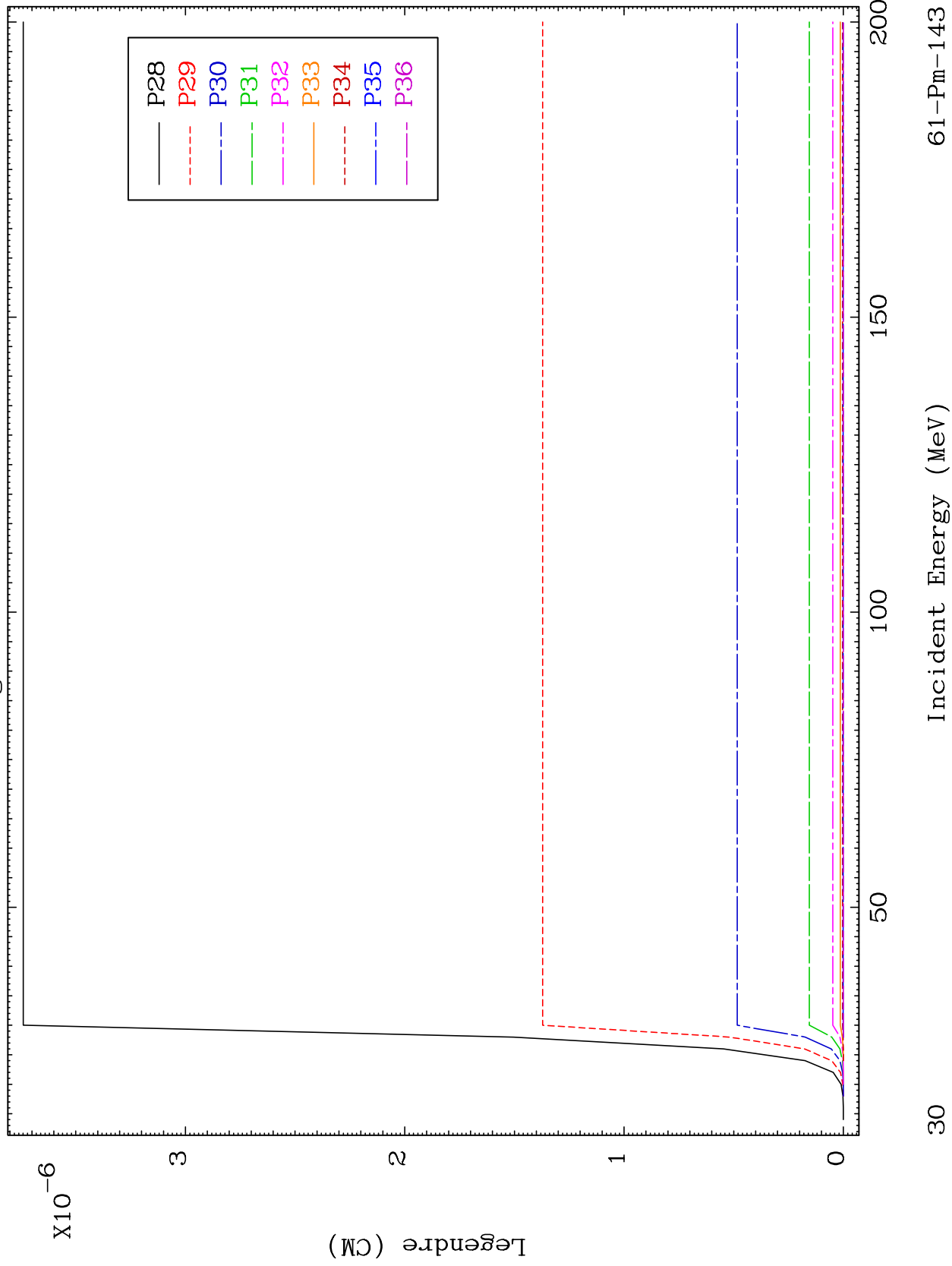
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MAT 6137

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

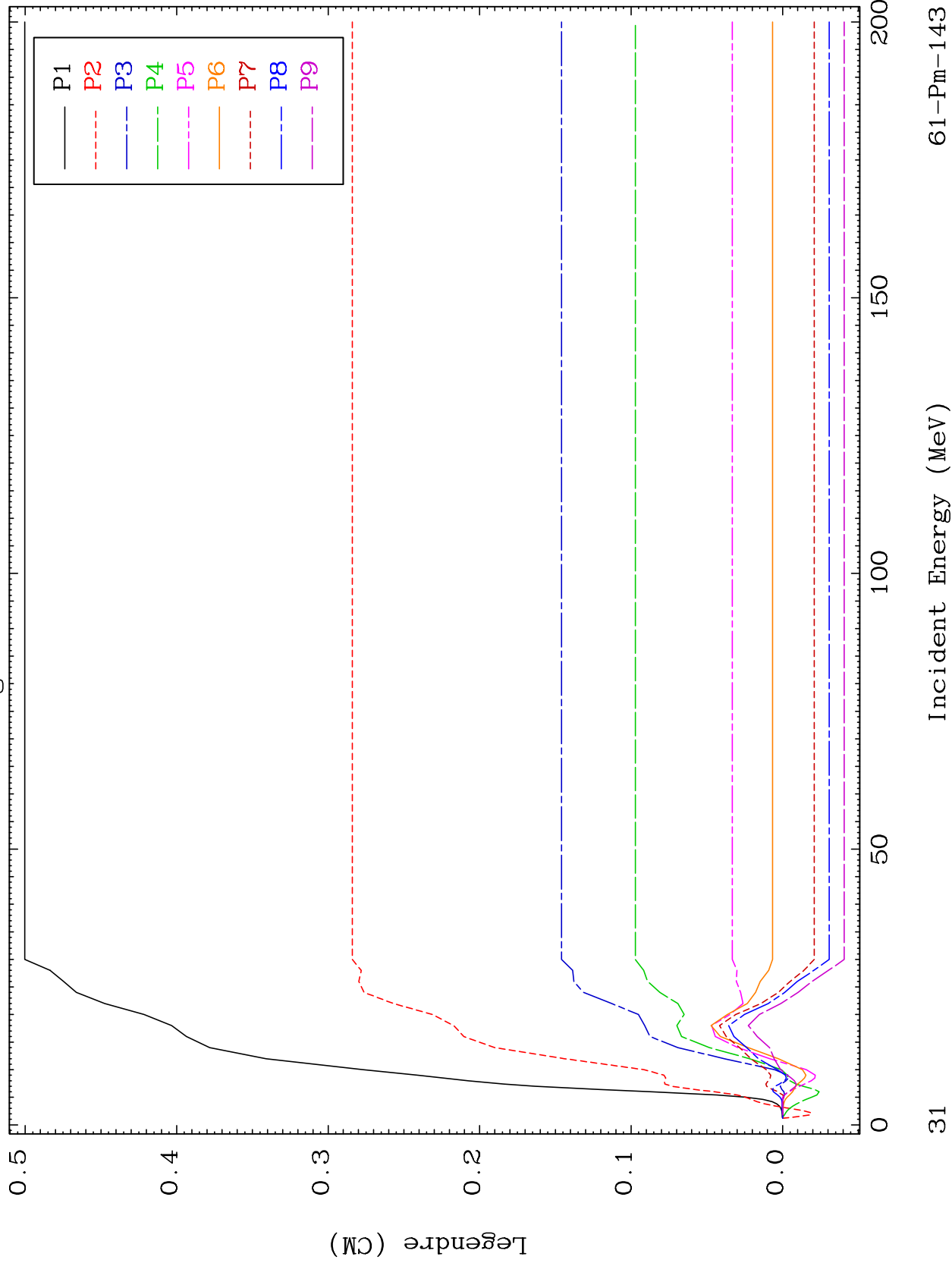
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

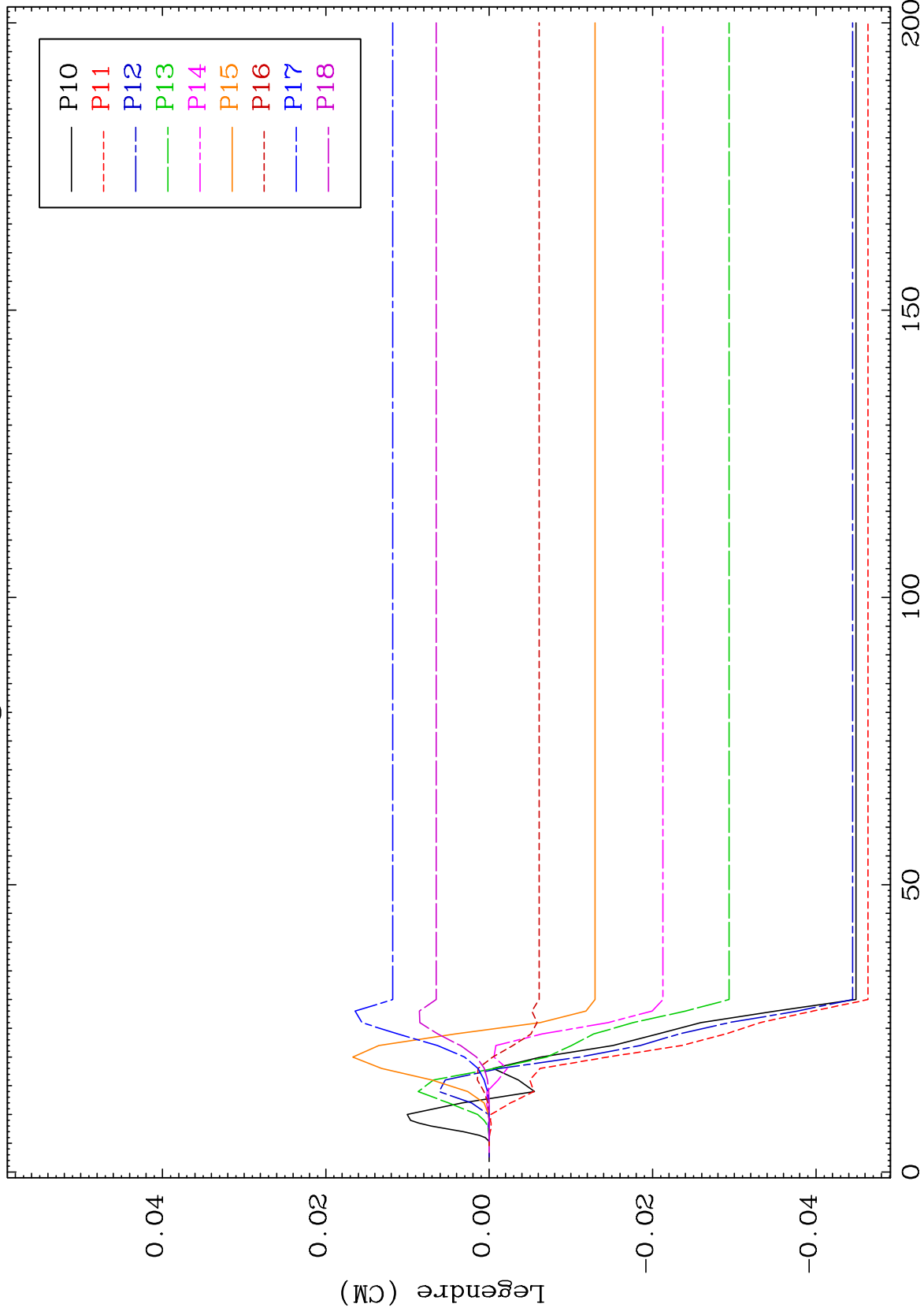
Incident Energy (MeV)

31

MAT 6137

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

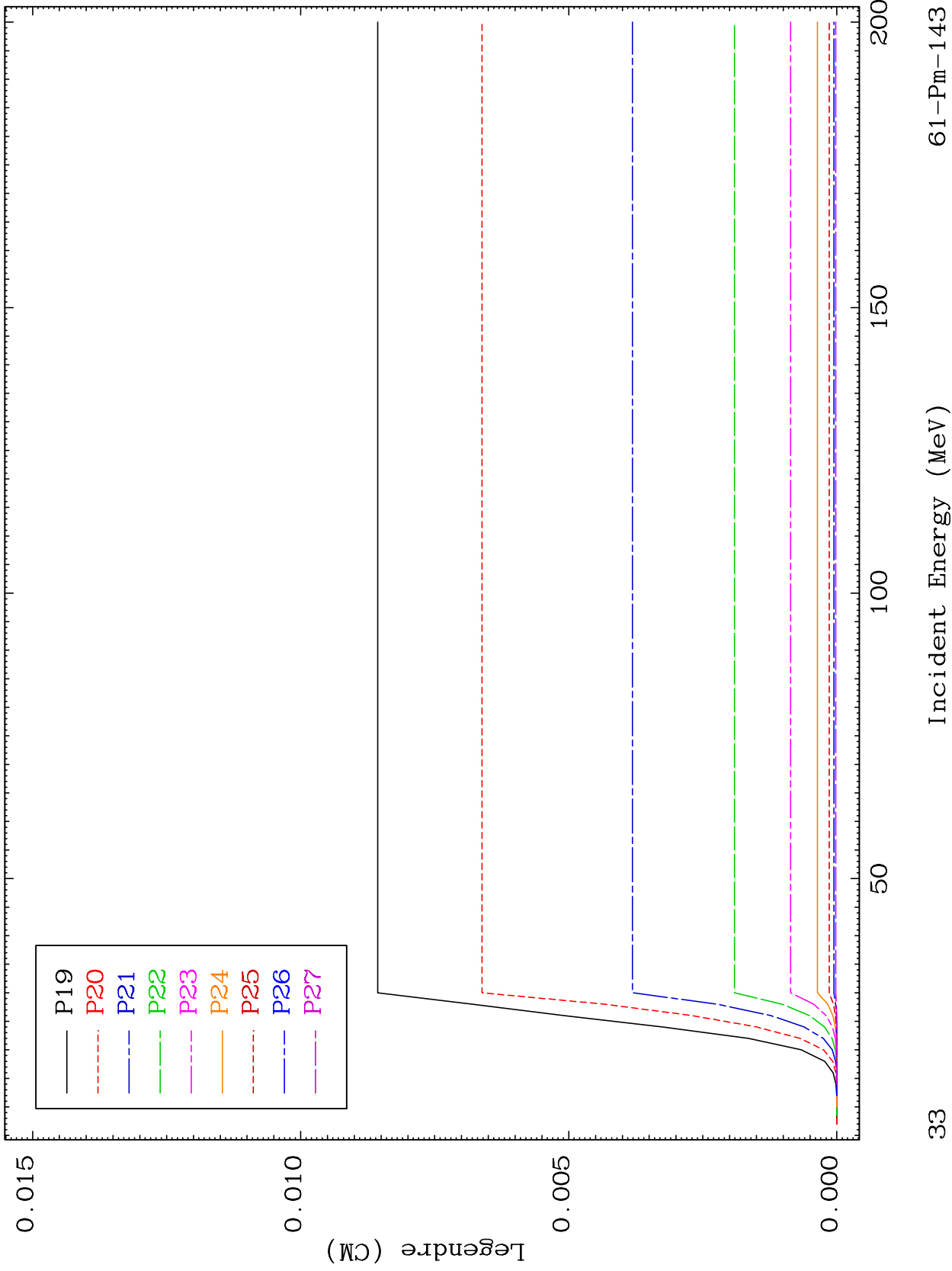
61-Pm-143



32

Incident Energy (MeV)

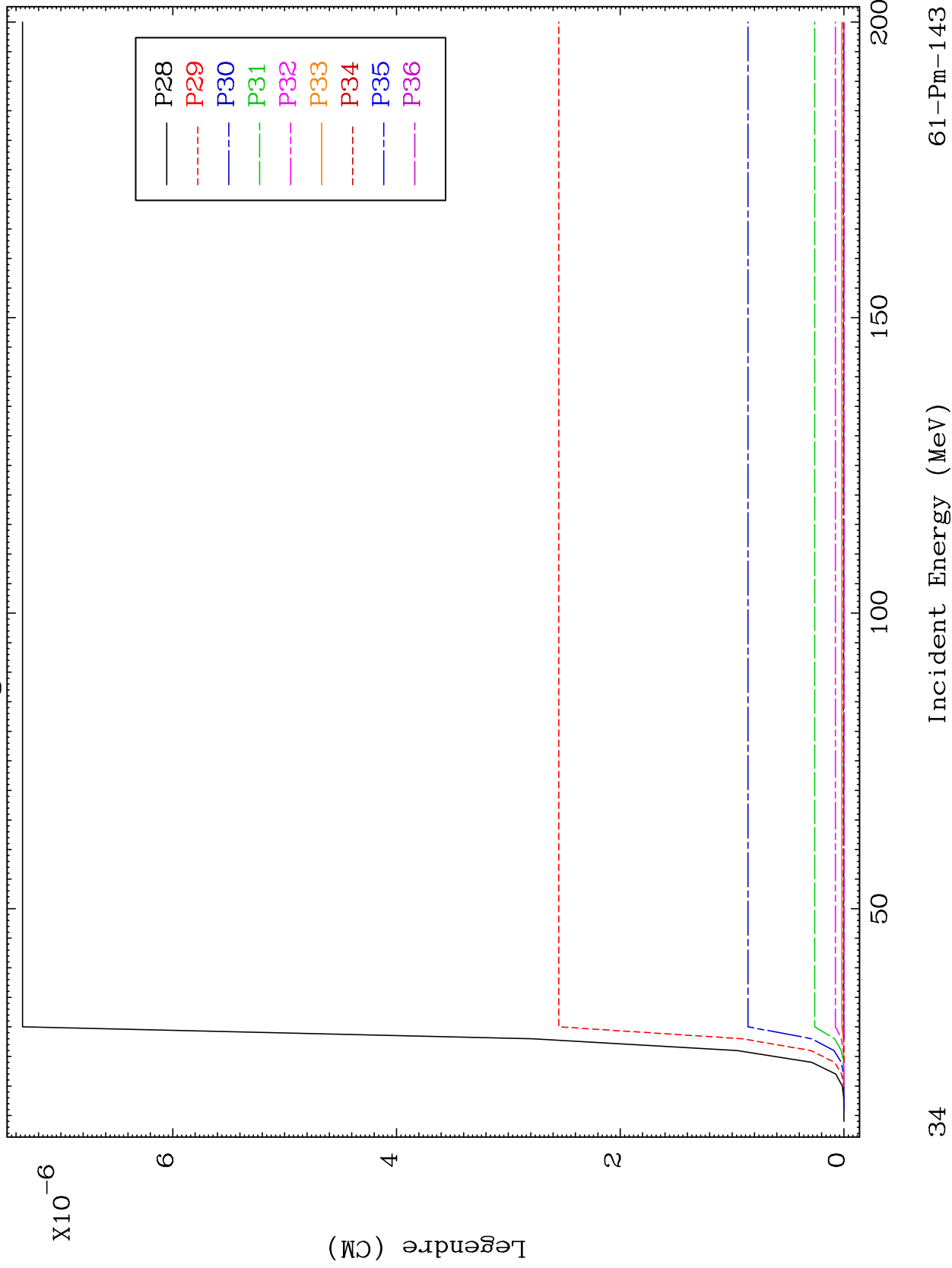
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MAT 6137

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

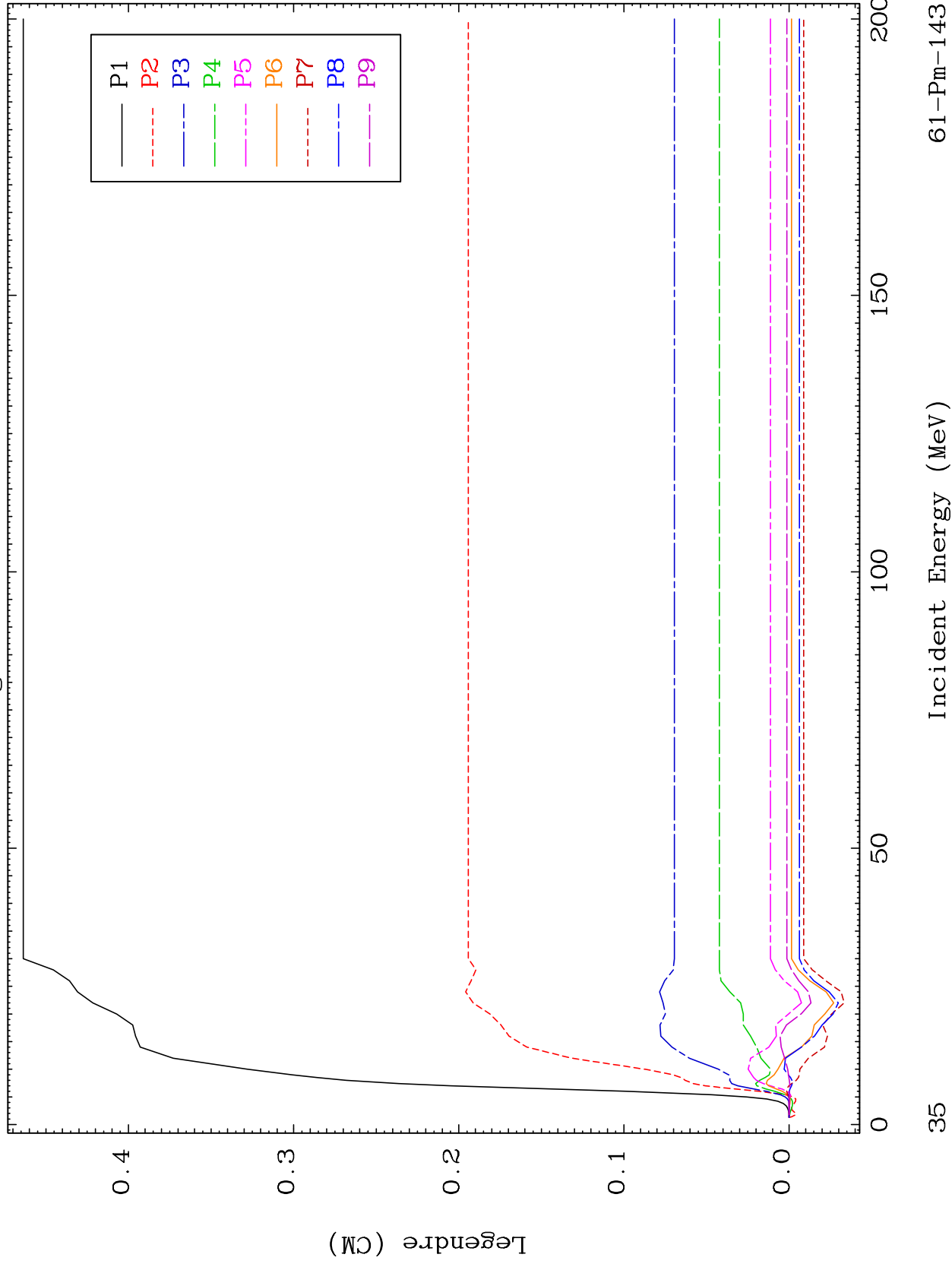
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MAT 6137

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

61-Pm-143



61-Pm-143

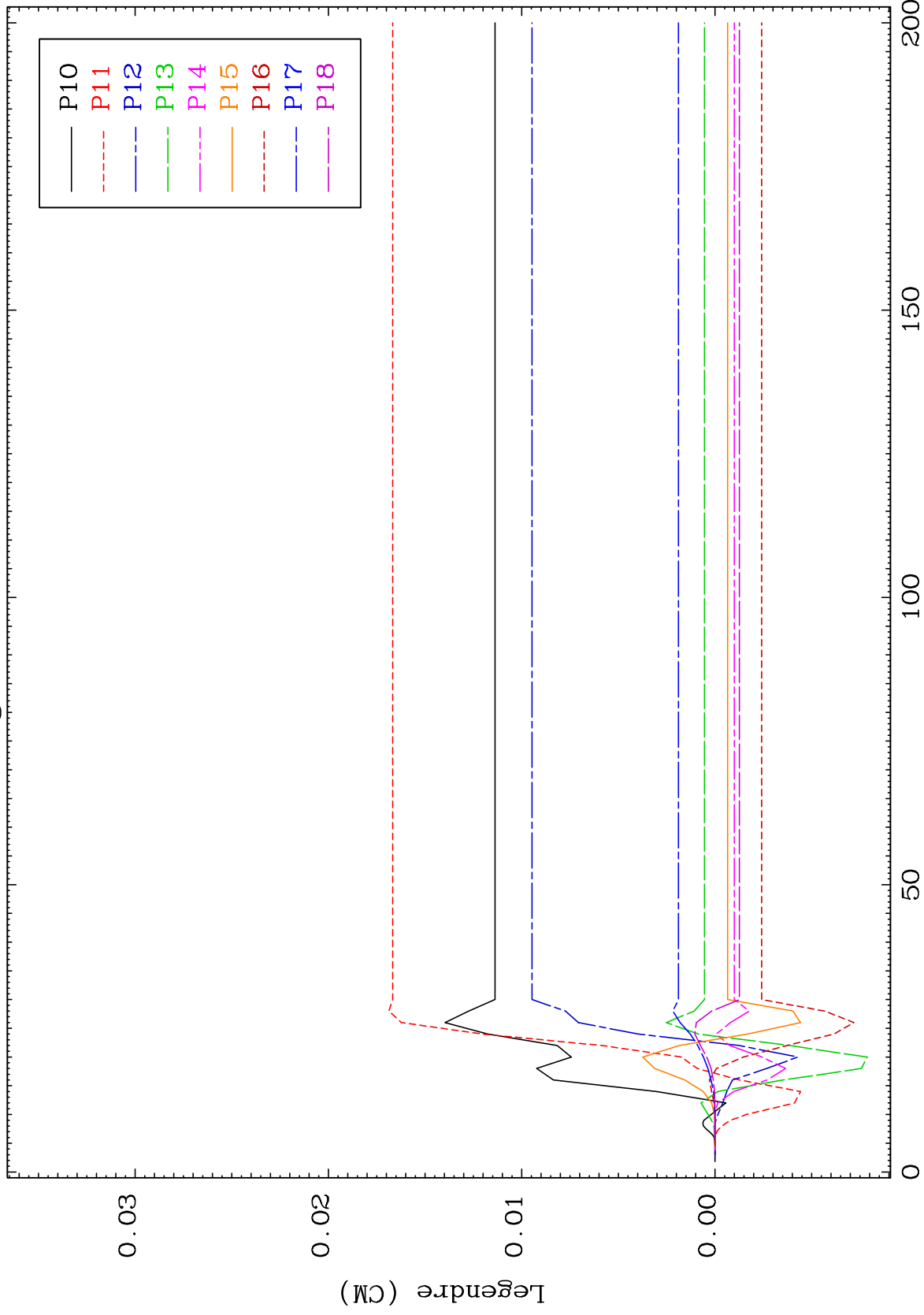
Incident Energy (MeV)

35

MAT 6137

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

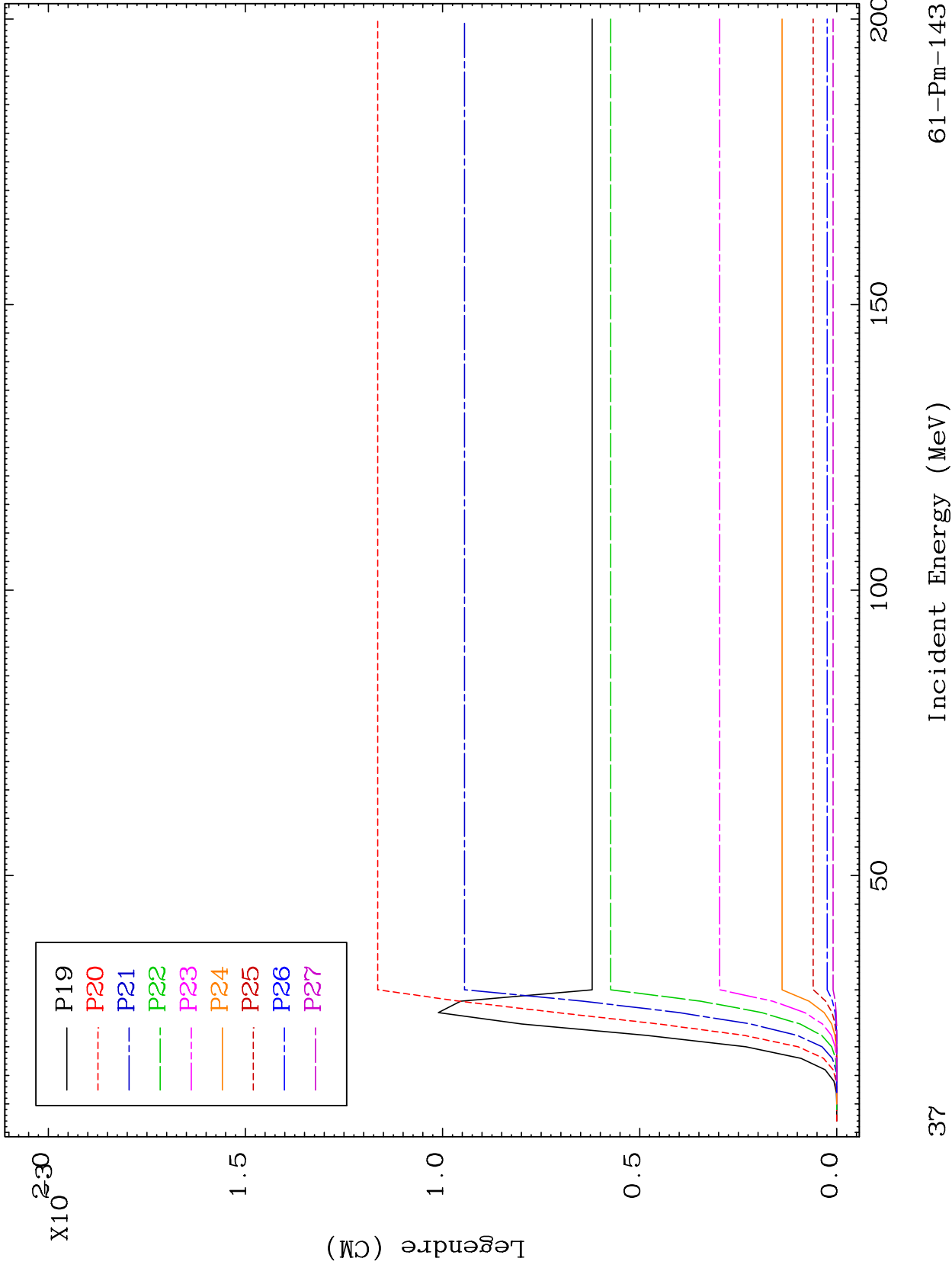
61-Pm-143



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Incident Energy (MeV)

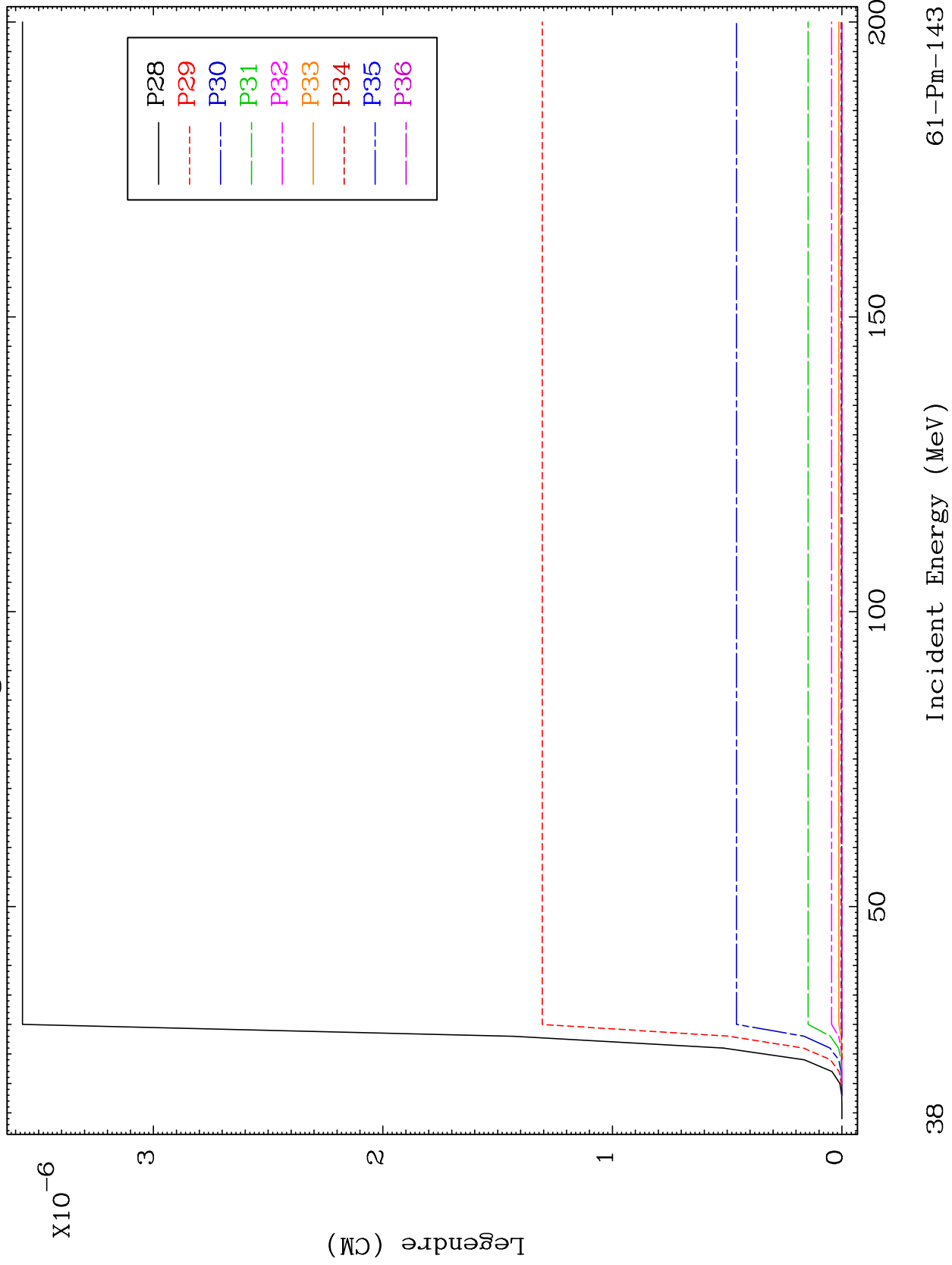
61-Pm-143



MAT 6137

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

61-Pm-143



38

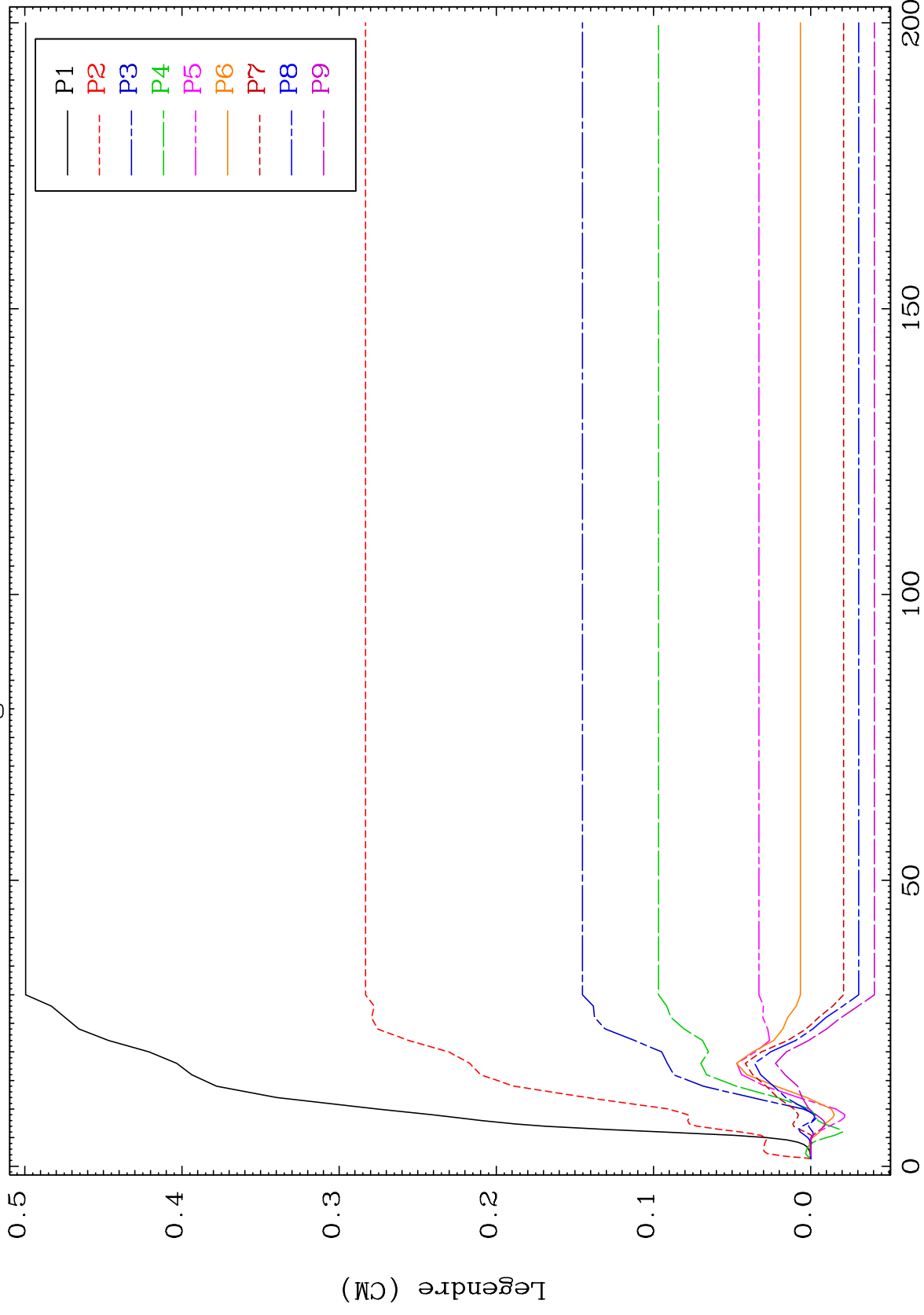
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



39

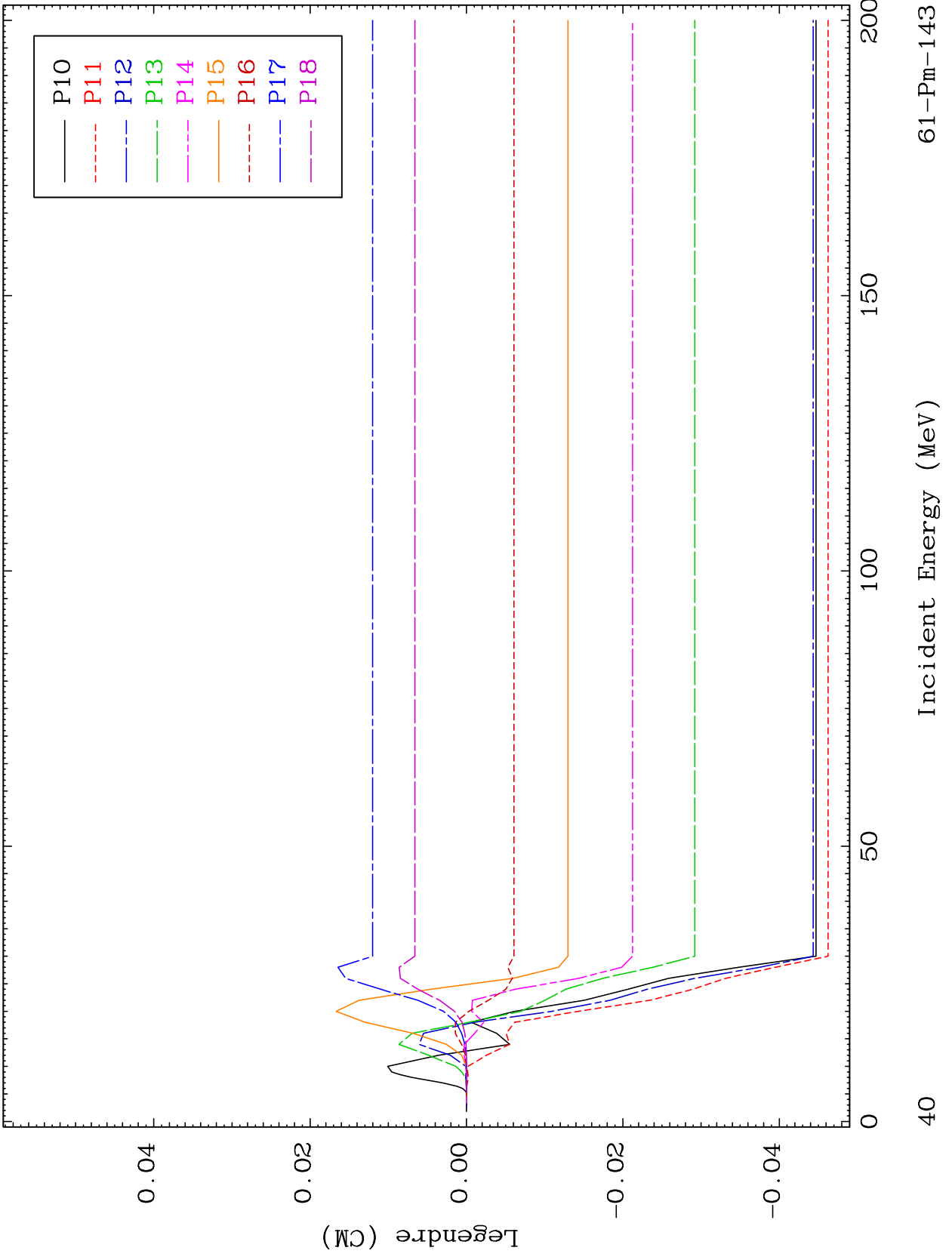
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61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

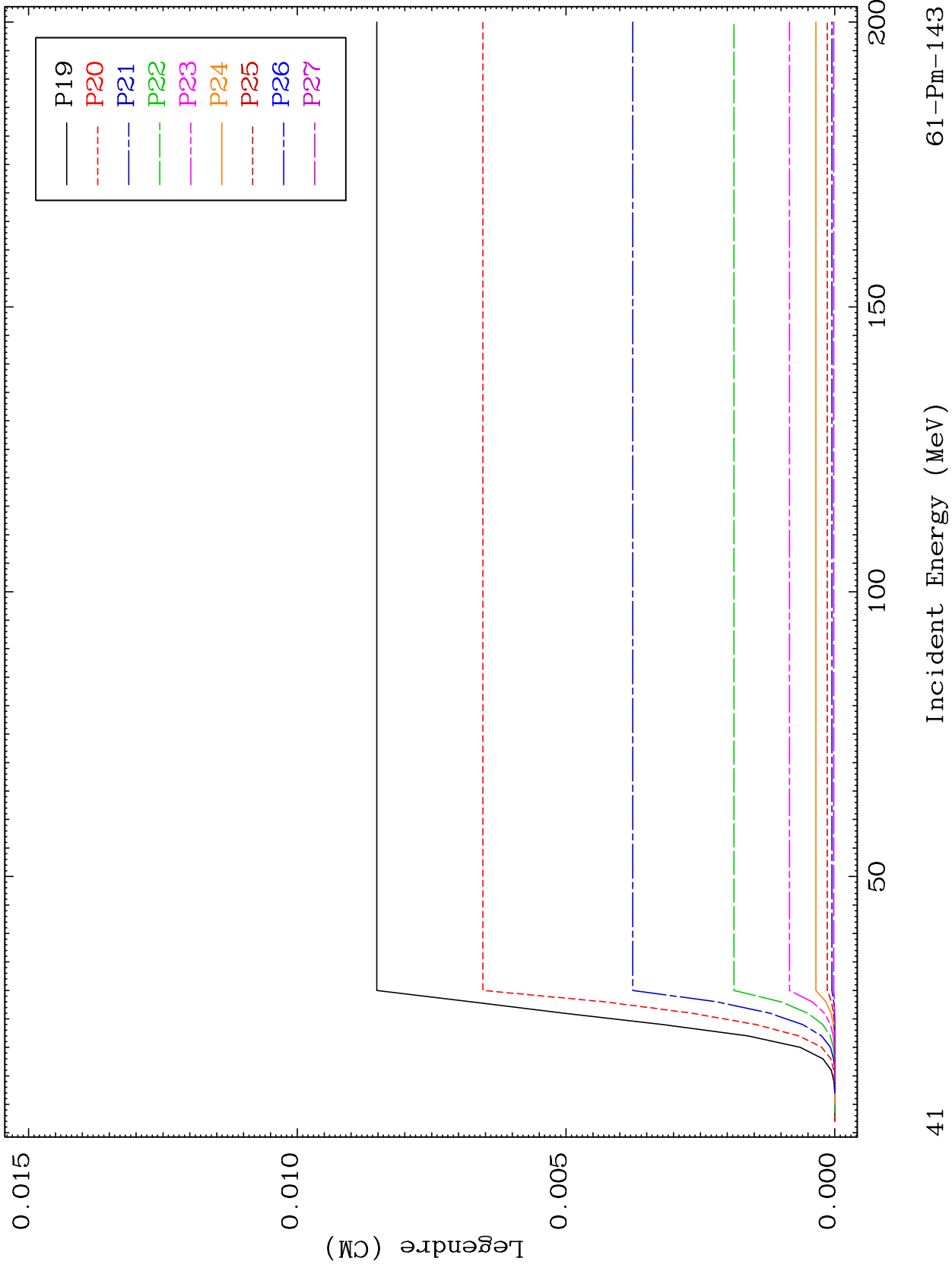
Incident Energy (MeV)

40

MAT 6137

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

61-Pm-143



41

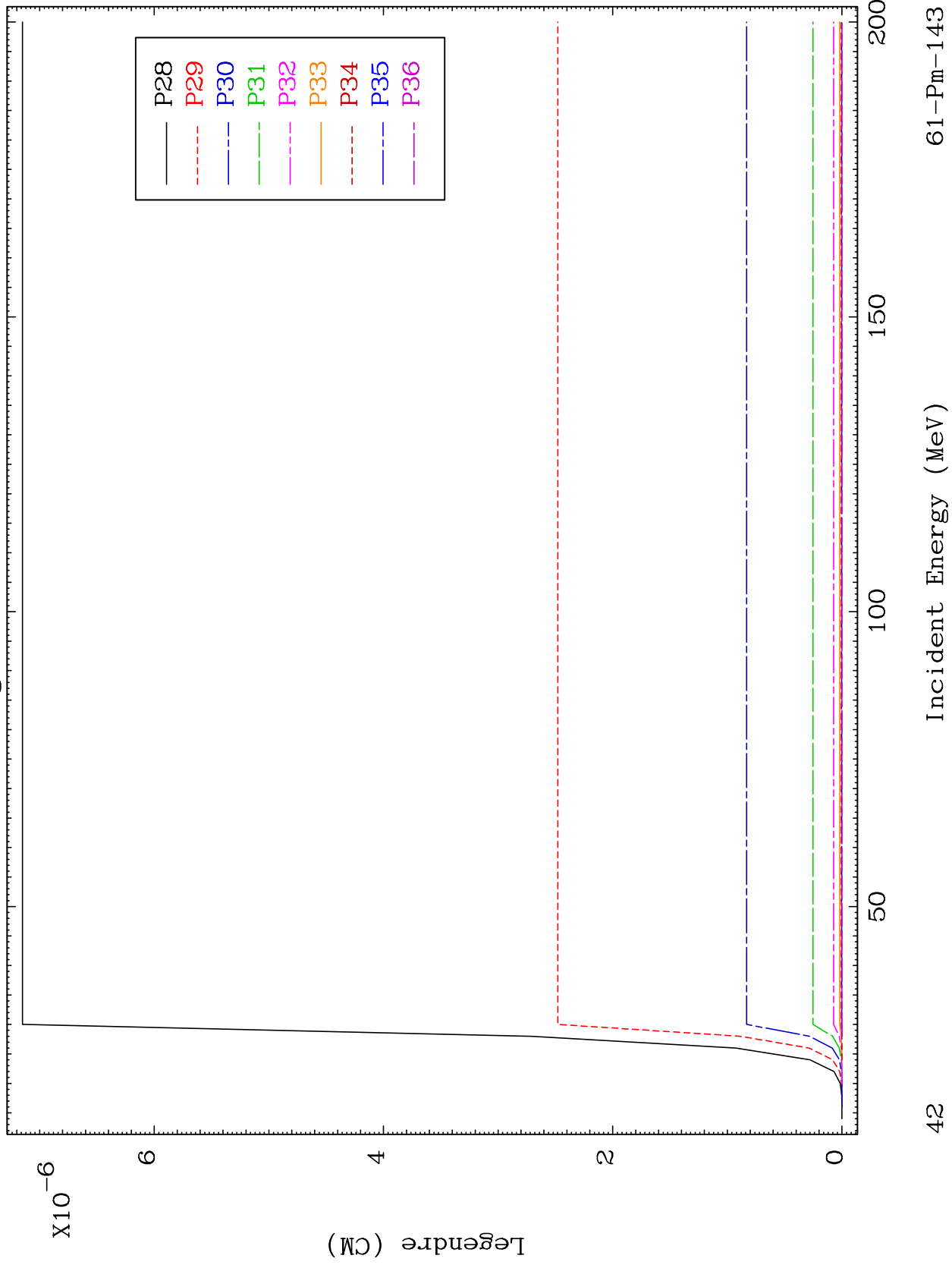
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61-Pm-143

MAT 6137

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

61-Pm-143



42

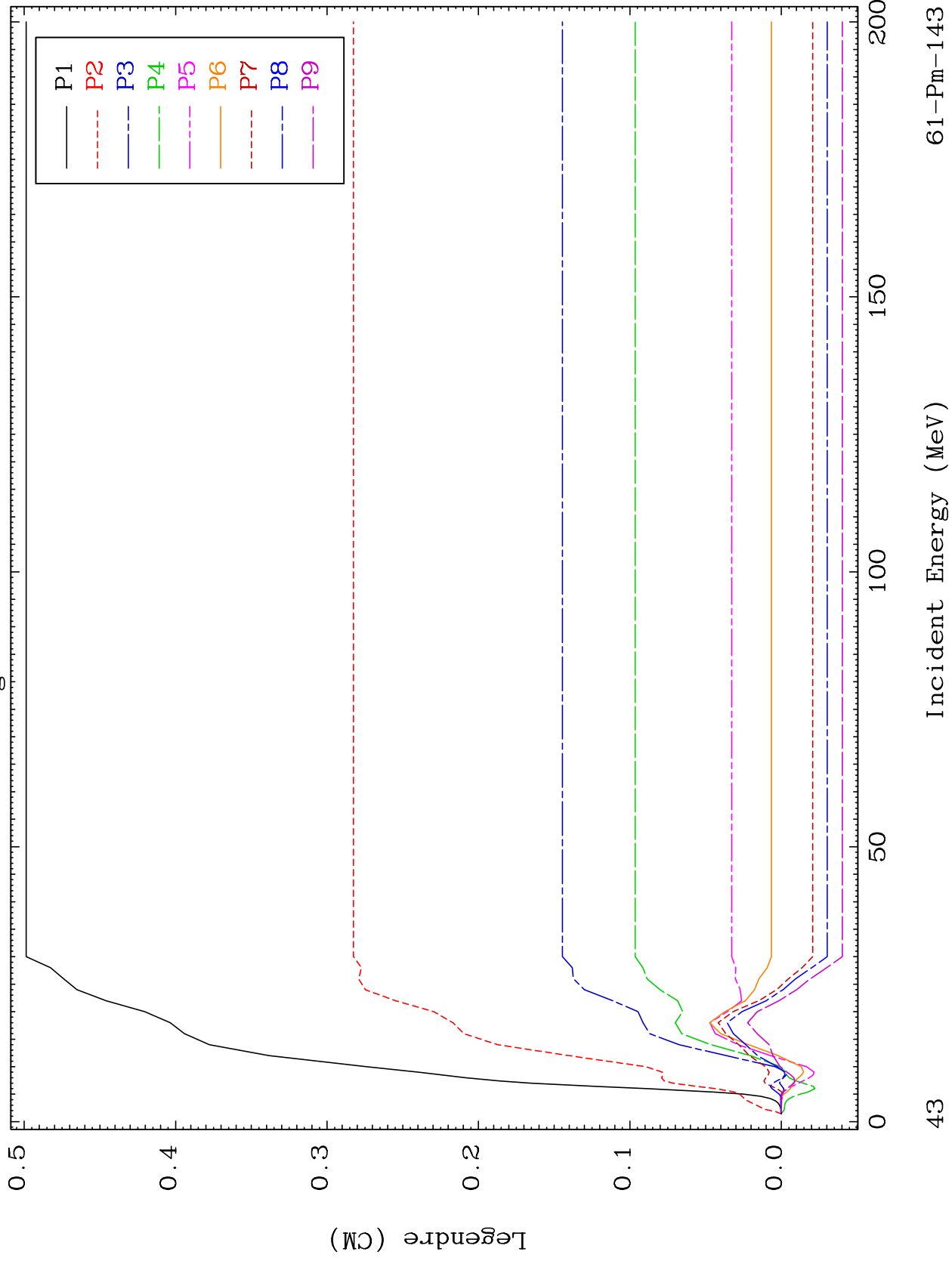
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

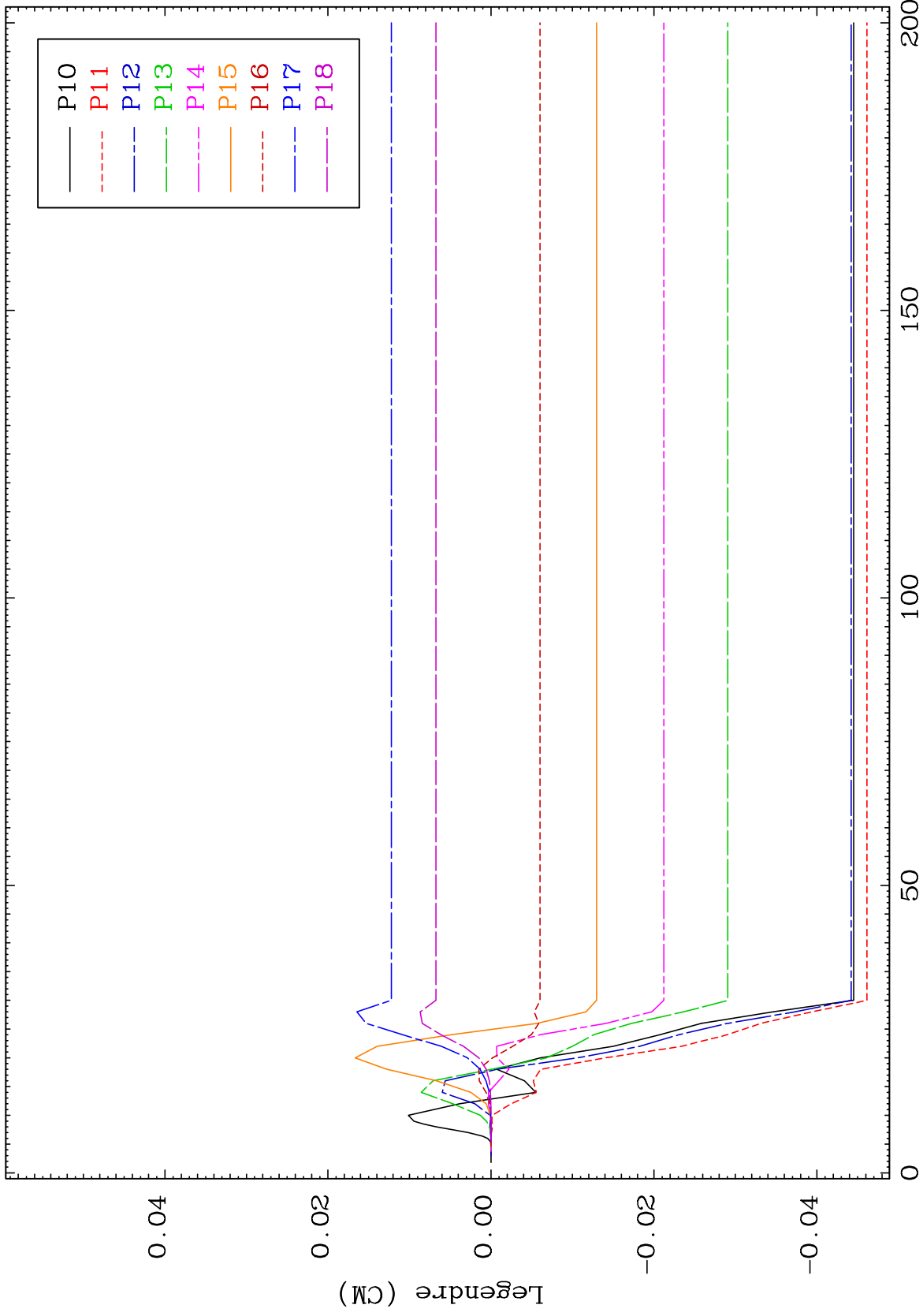
Incident Energy (MeV)

43

MAT 6137

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

61-Pm-143



44

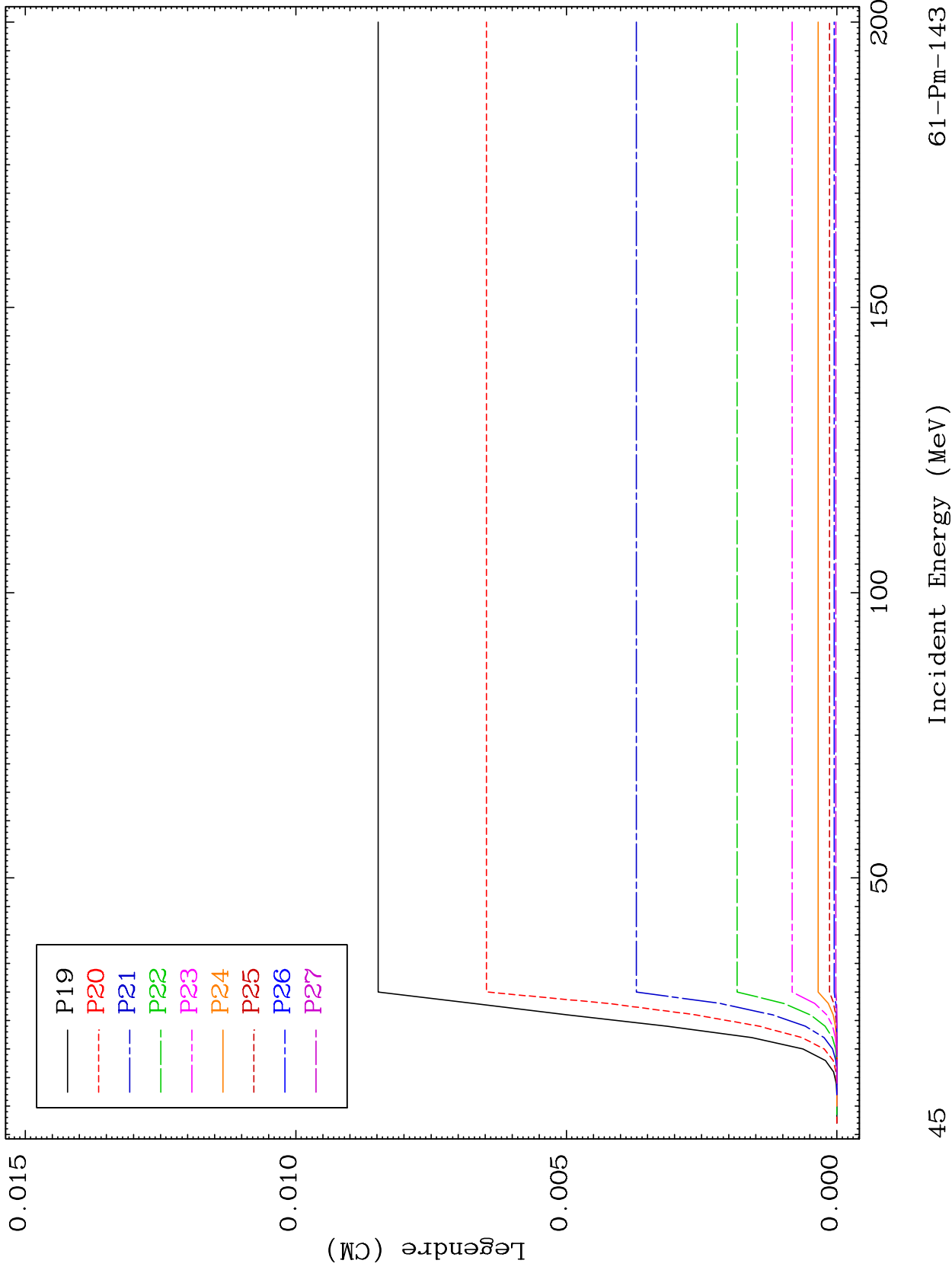
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



45

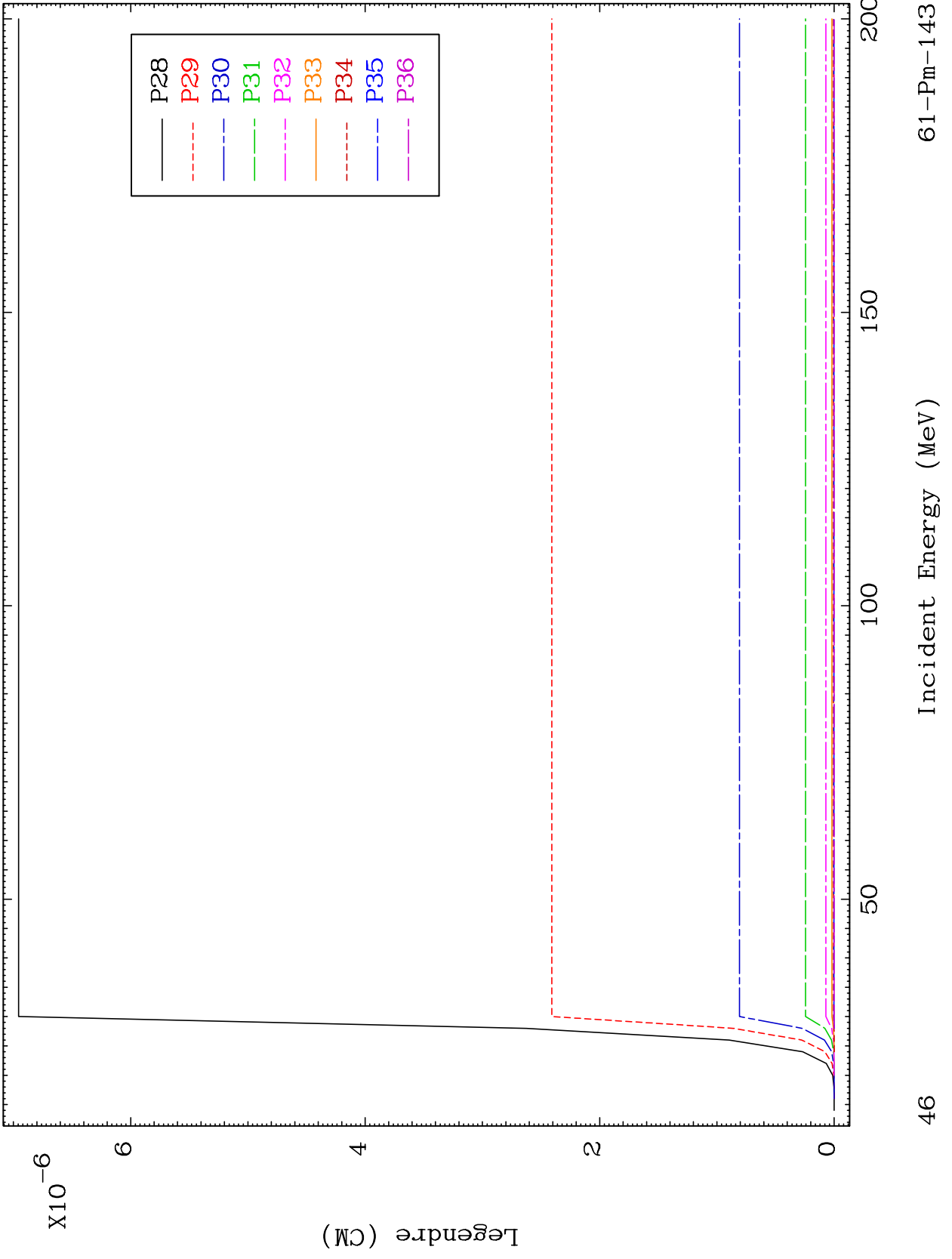
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



46

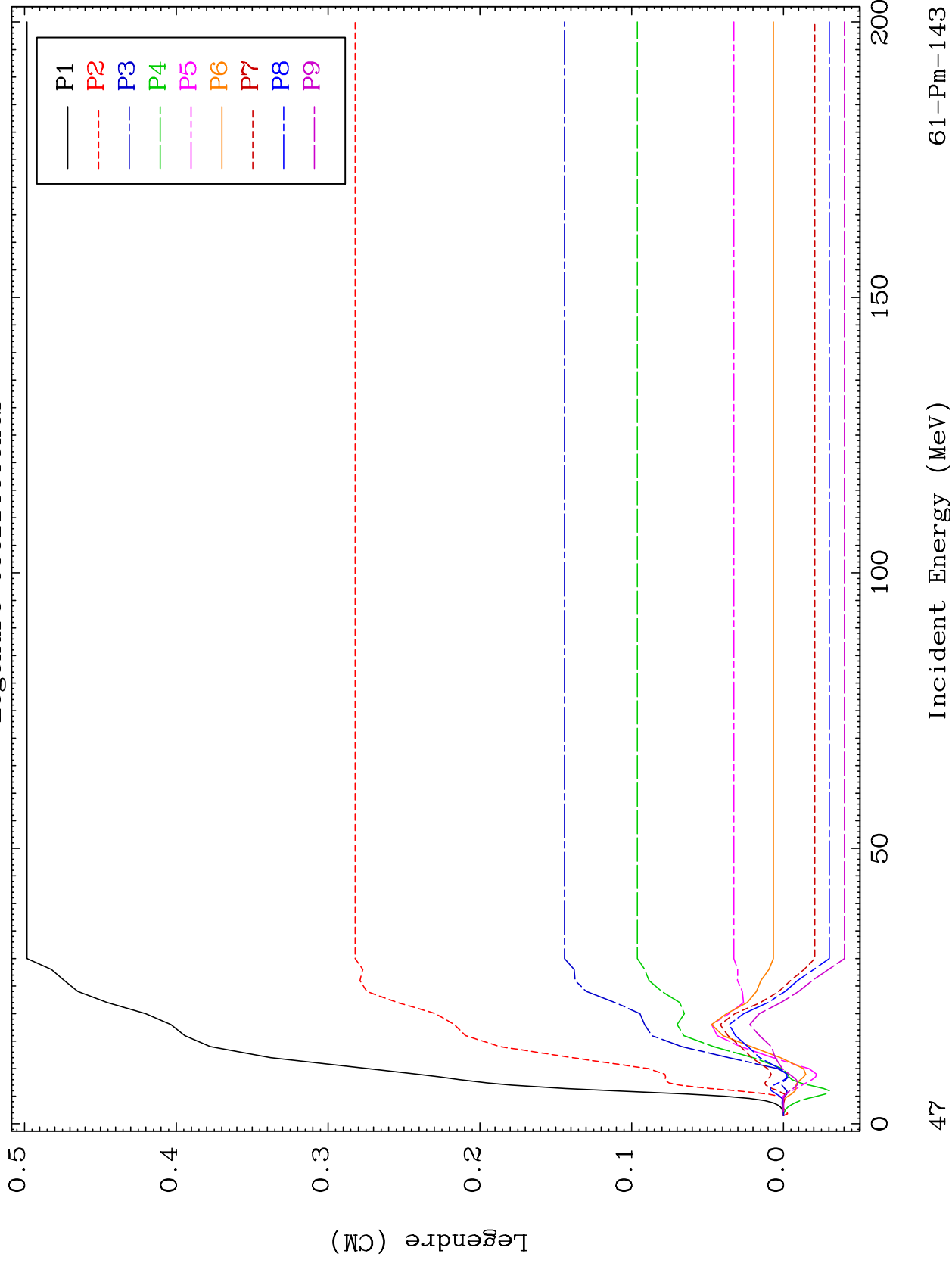
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

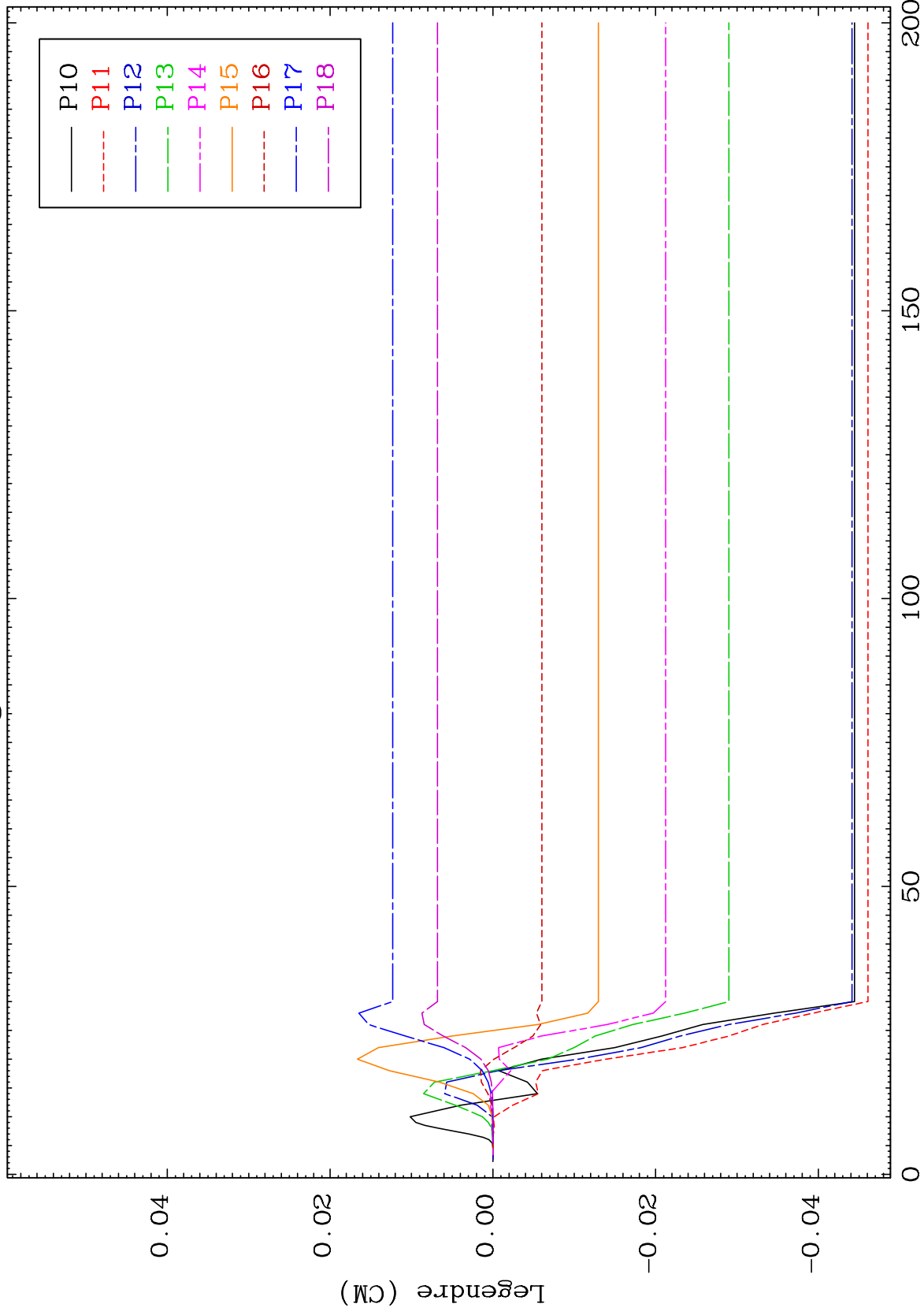
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MAT 6137

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

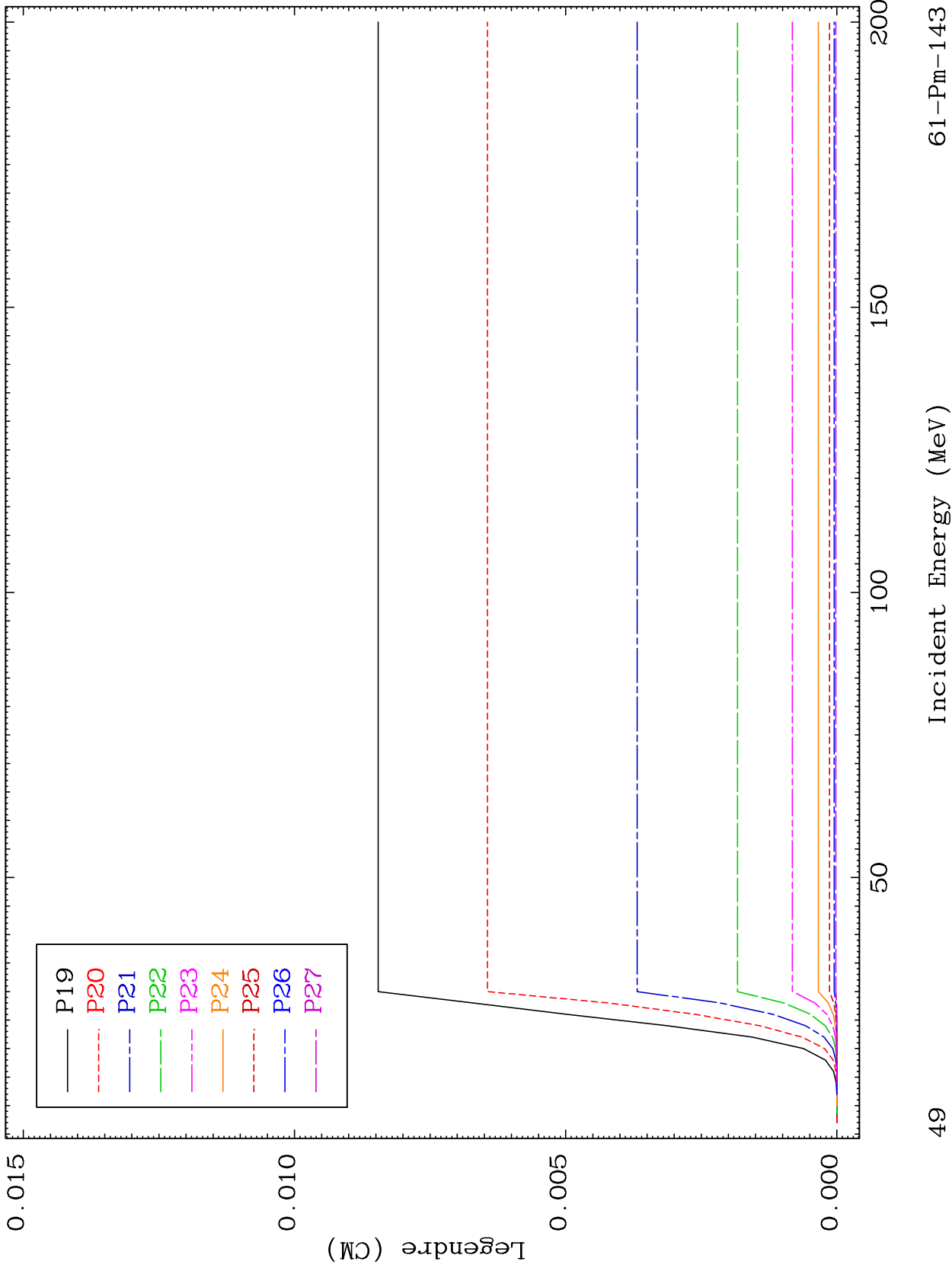
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Incident Energy (MeV)

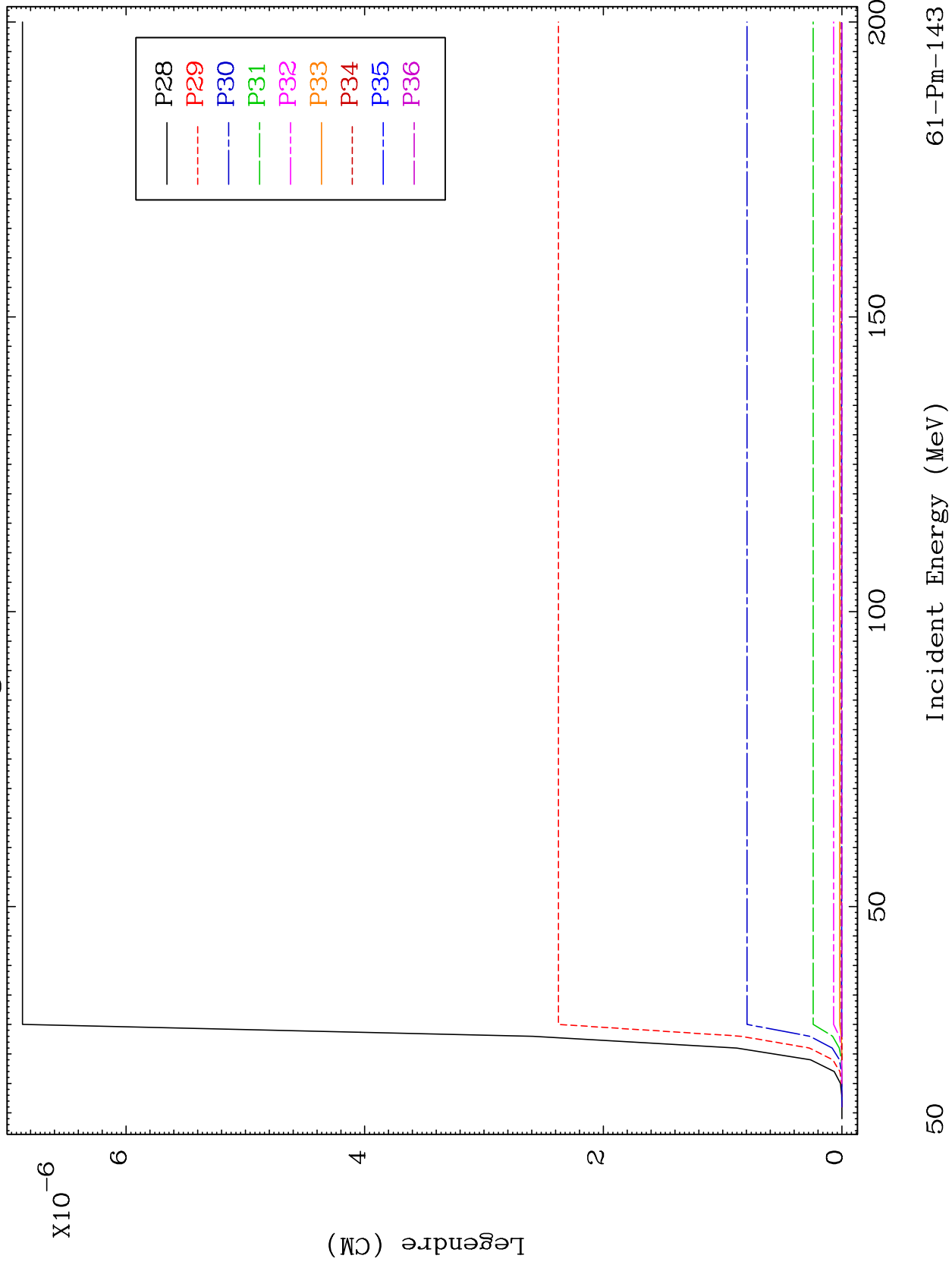
61-Pm-143



MAT 6137

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

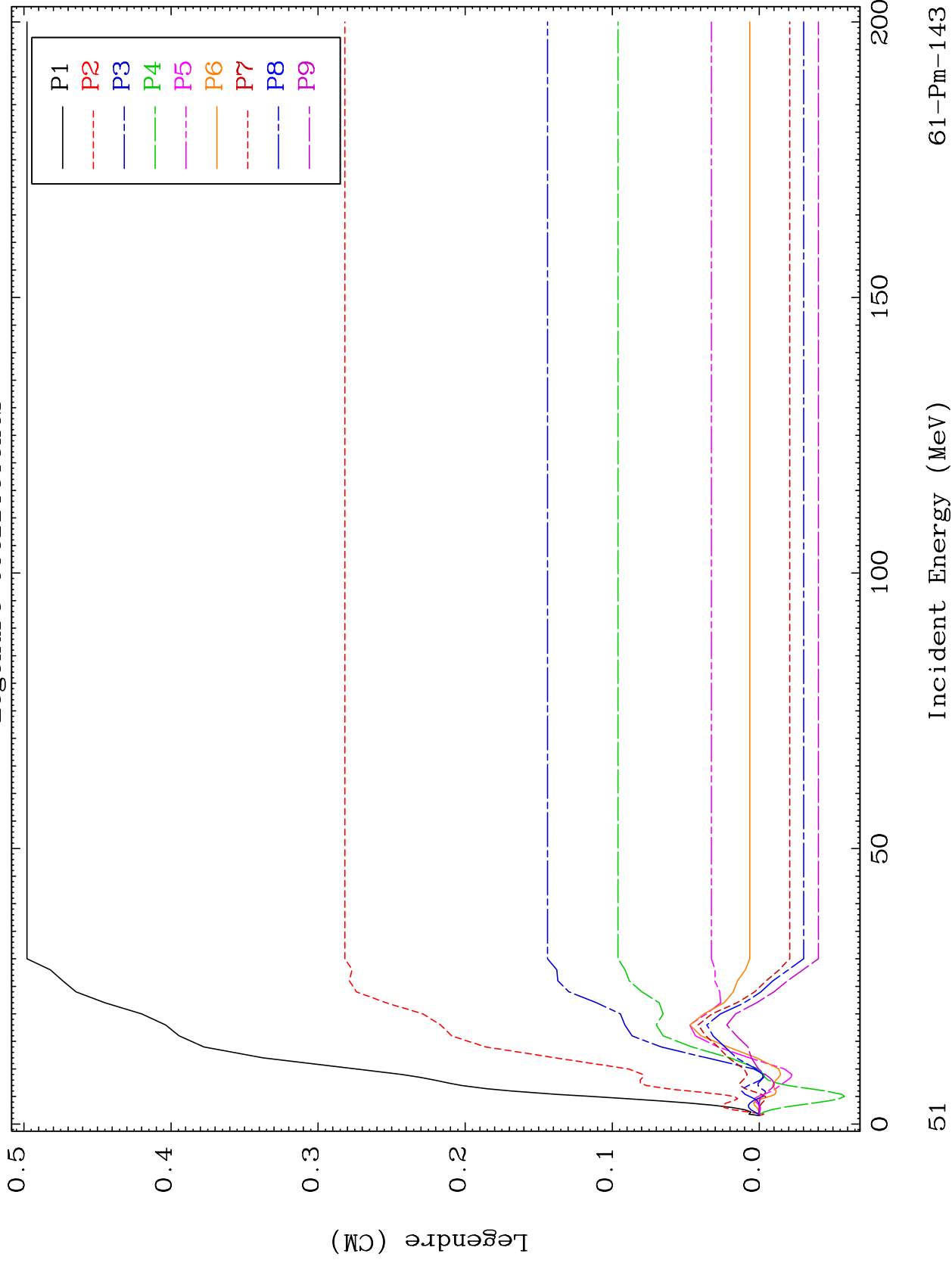
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

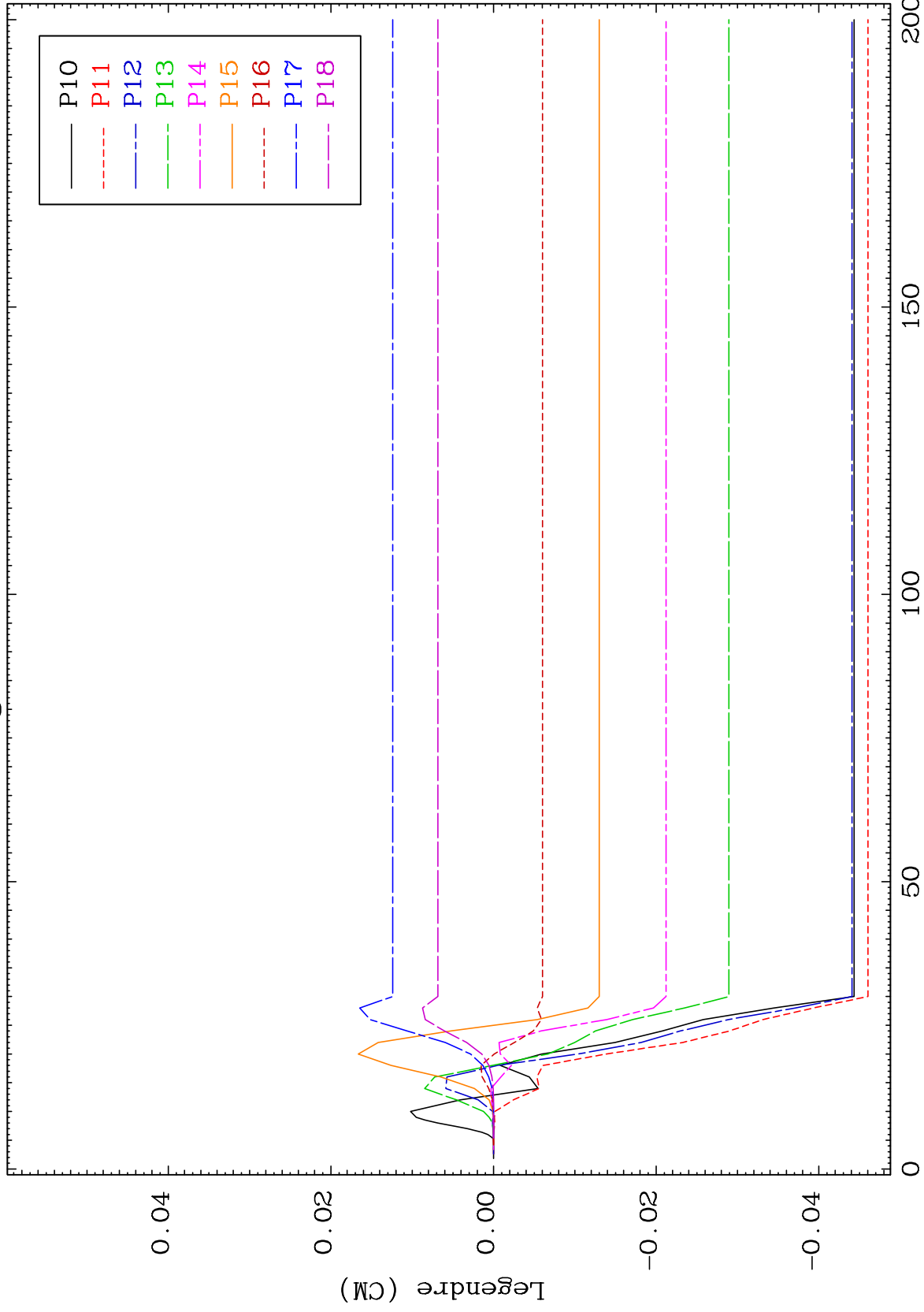
Incident Energy (MeV)

51

MAT 6137

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

61-Pm-143



52

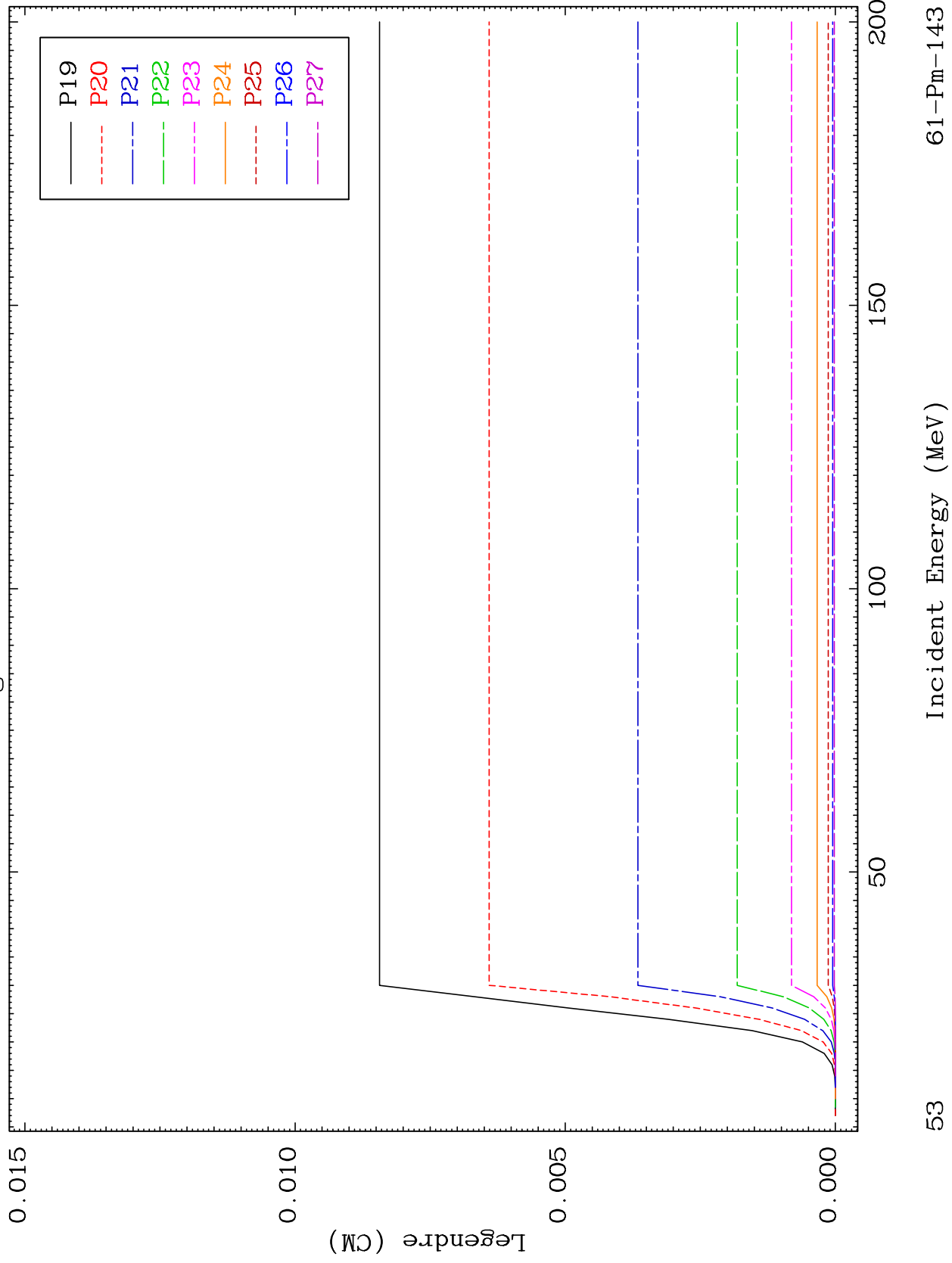
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



53

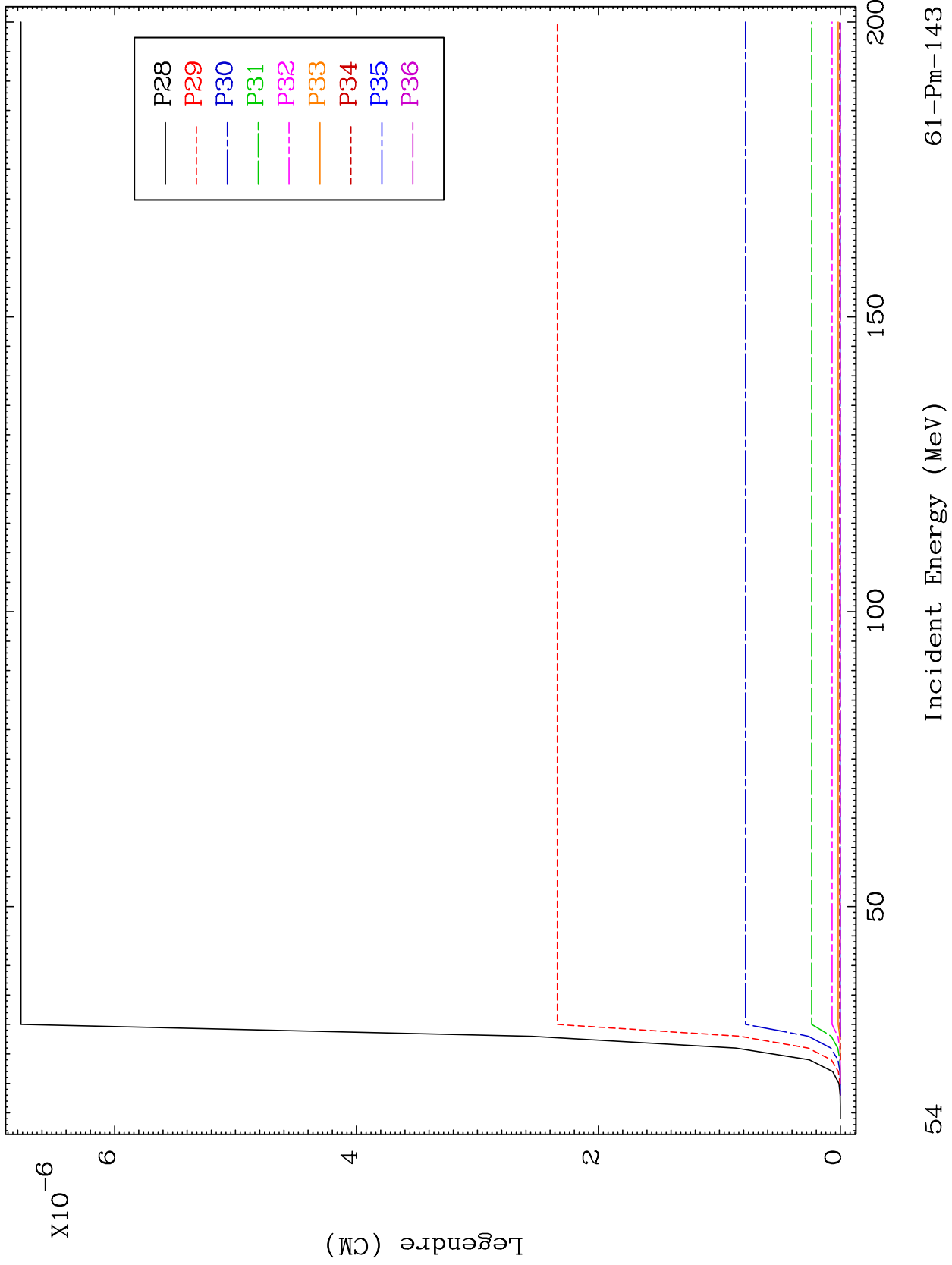
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



54

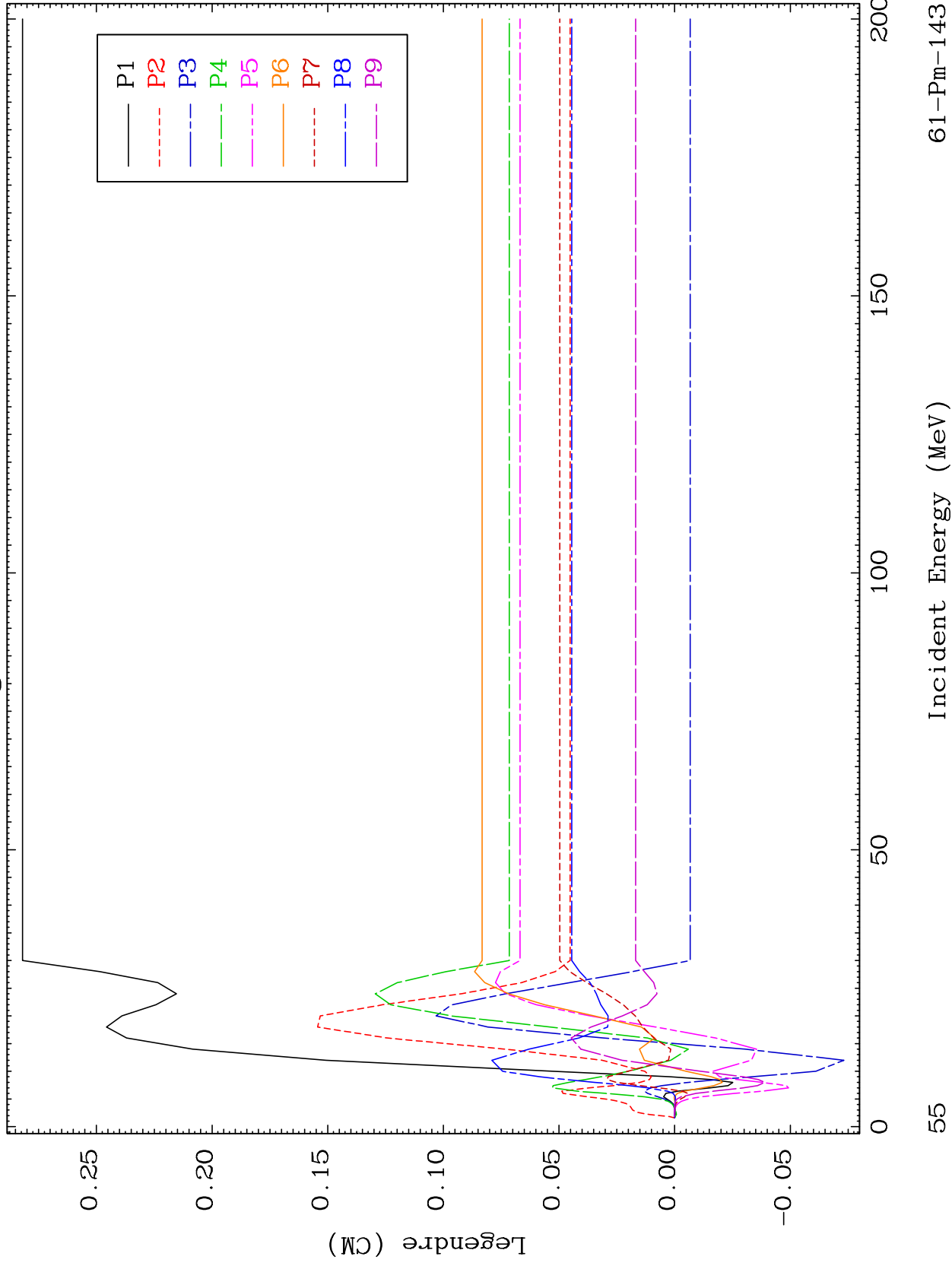
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

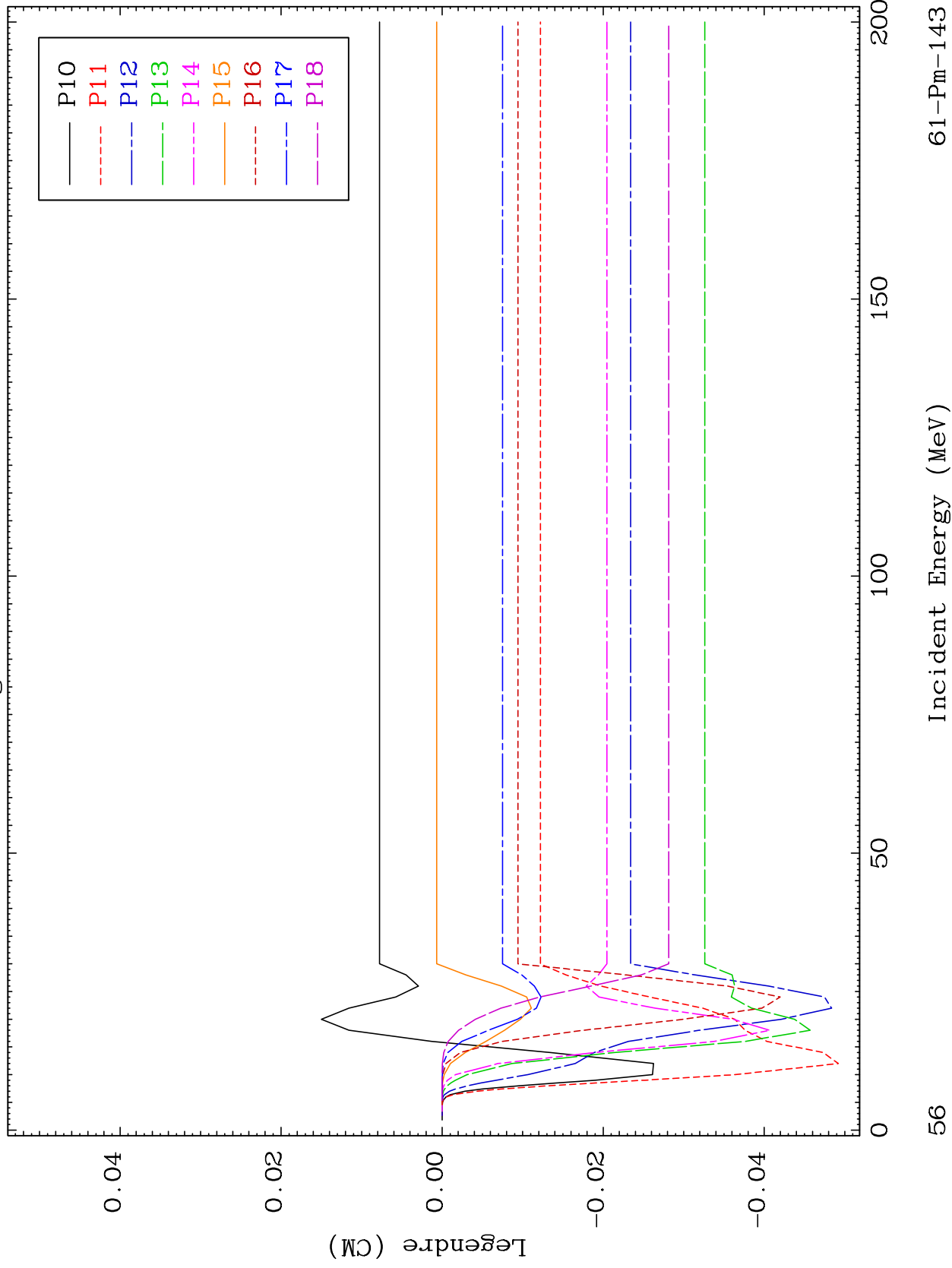
Incident Energy (MeV)

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MAT 6137

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

61-Pm-143



61-Pm-143

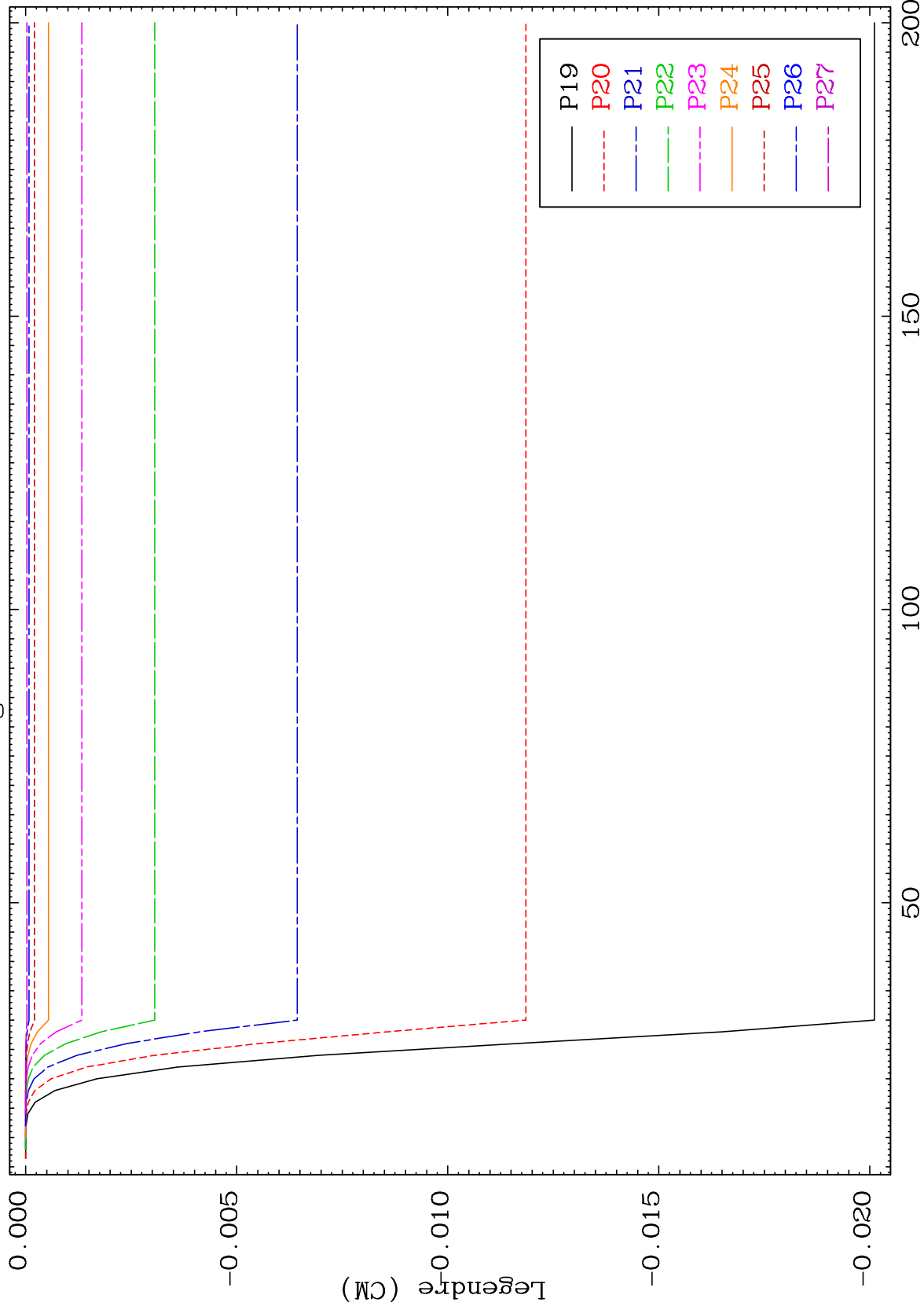
Incident Energy (MeV)

56

MAT 6137

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

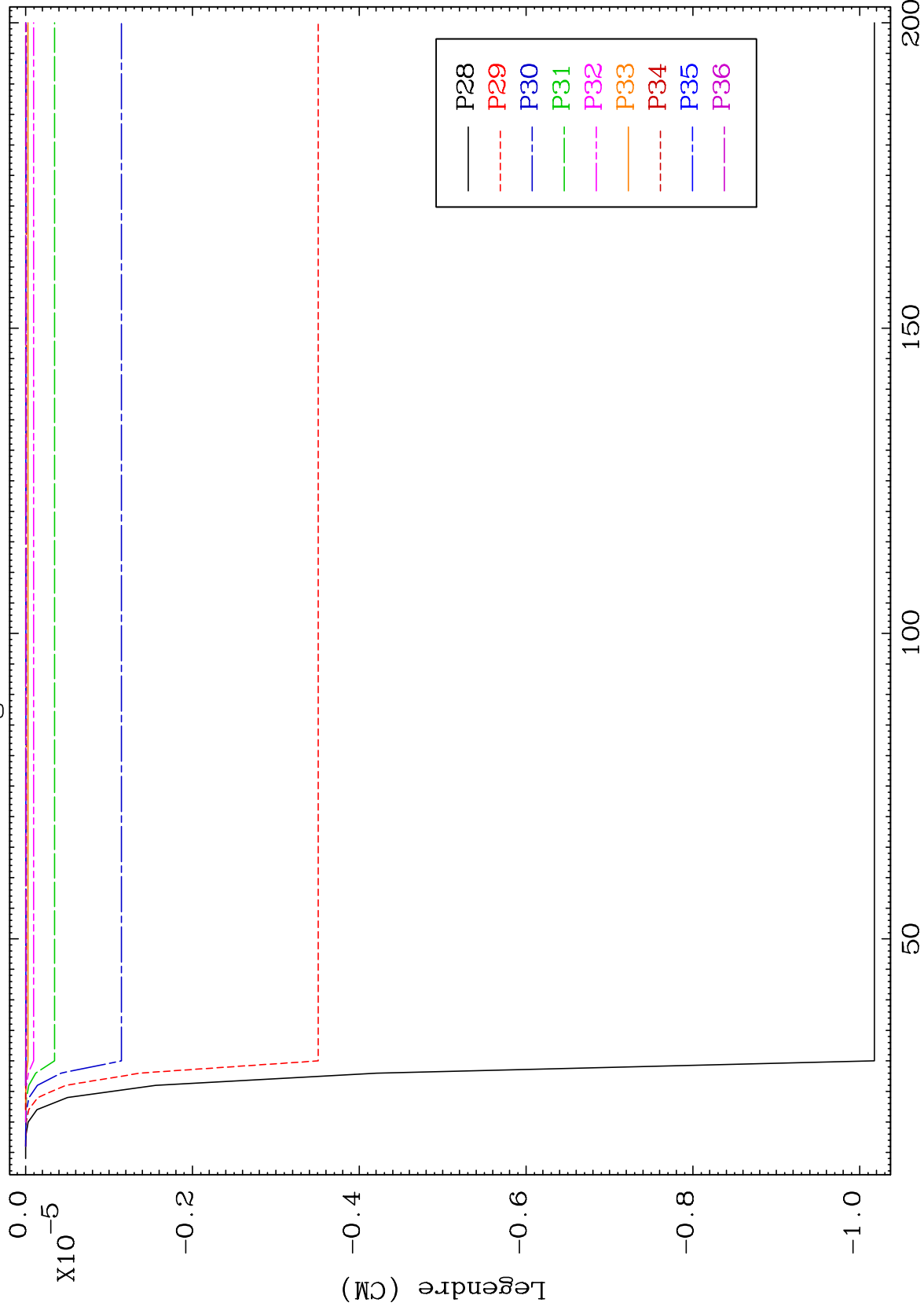
61-Pm-143



MAT 6137

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

61-Pm-143



58

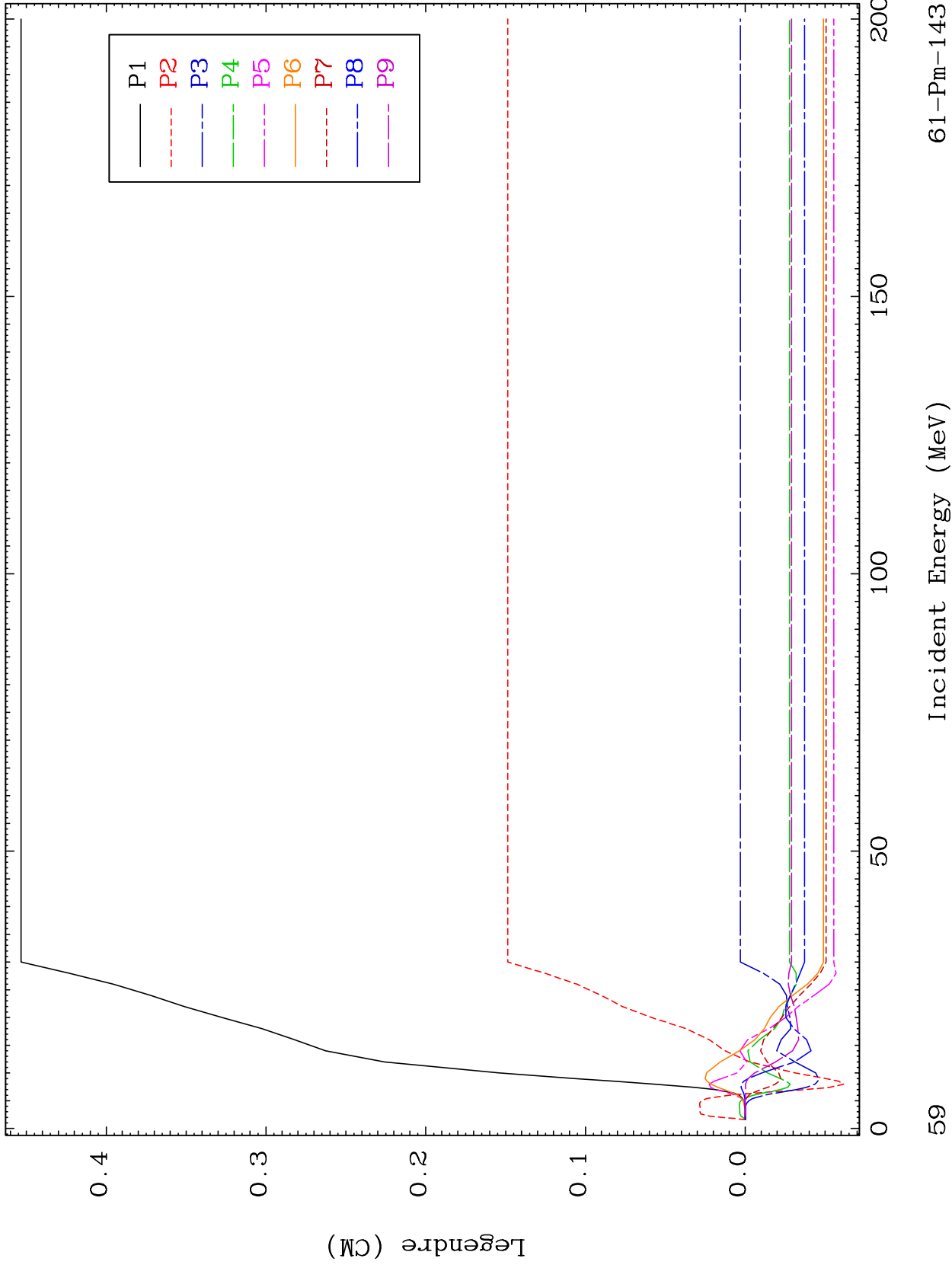
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

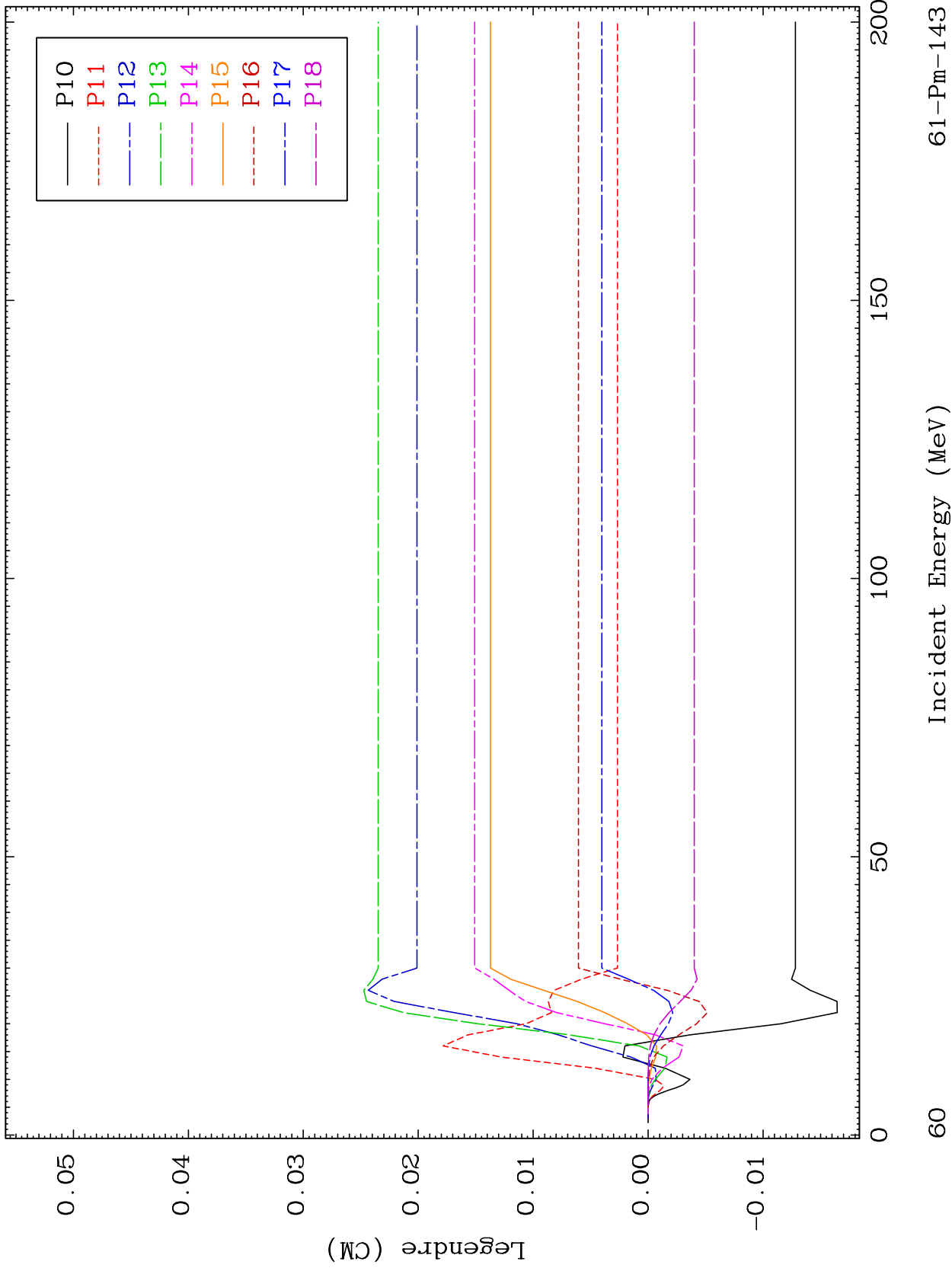
Incident Energy (MeV)

59

MAT 6137

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

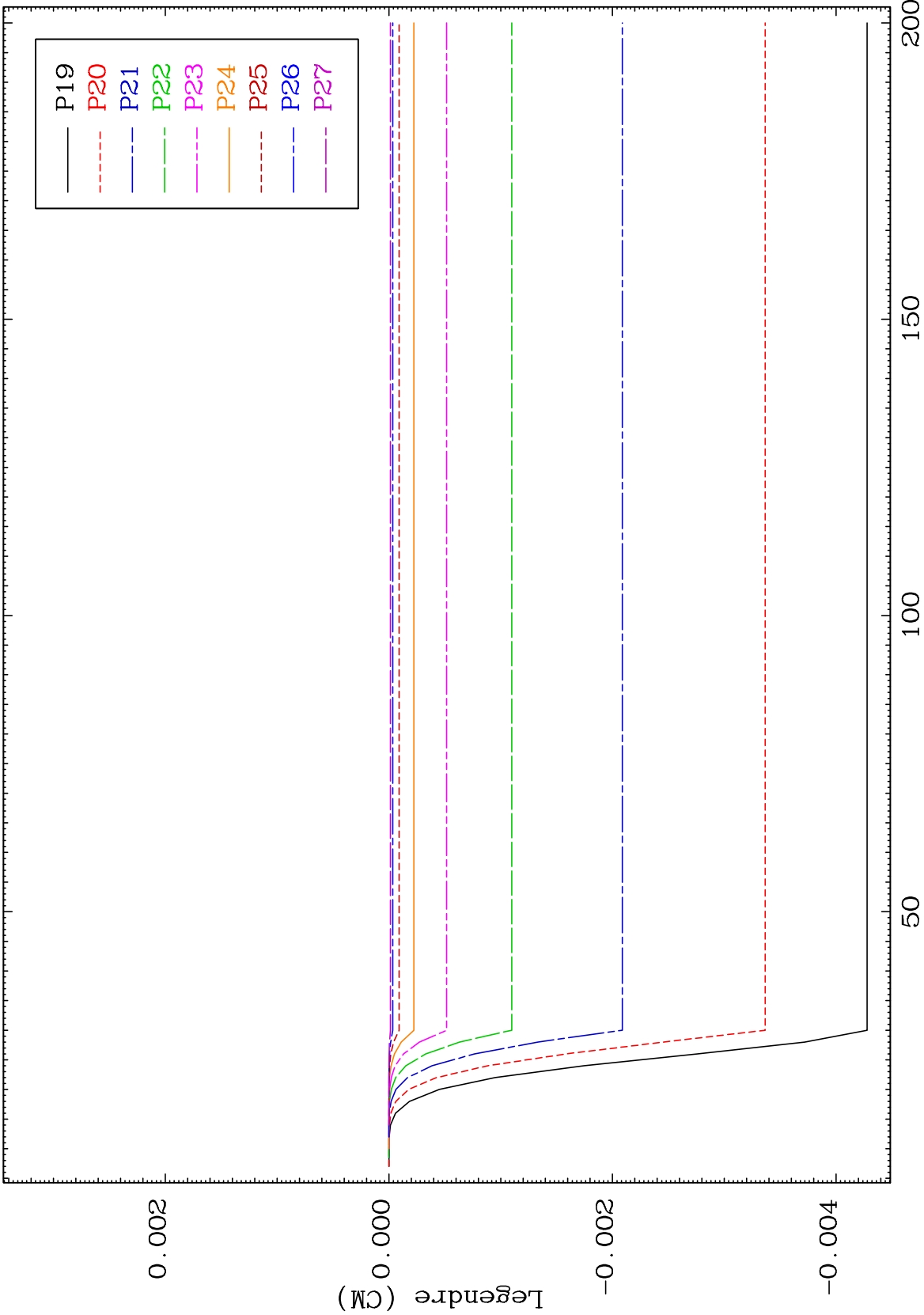
61-Pm-143



MAT 6137

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

61-Pm-143



61

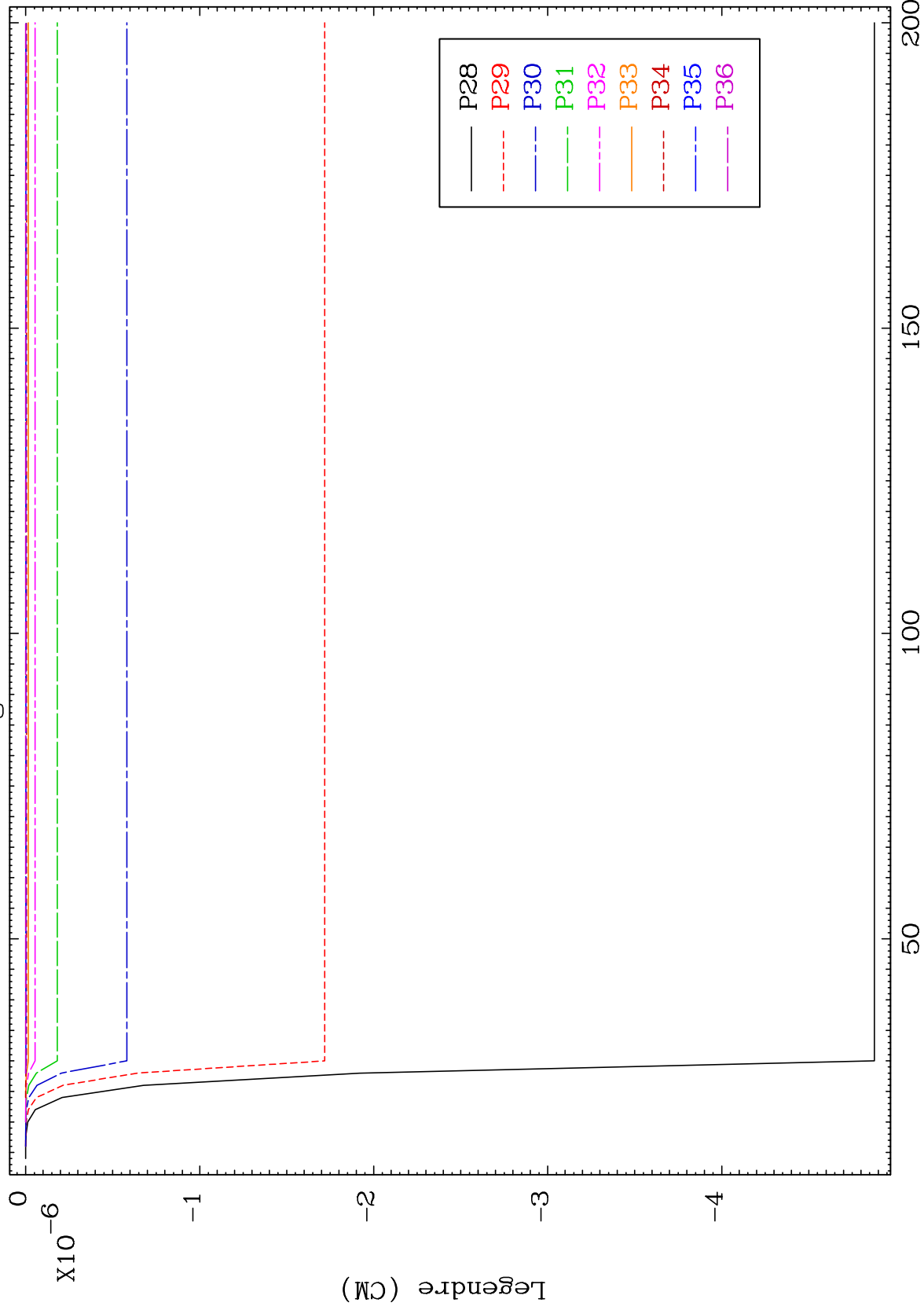
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



62

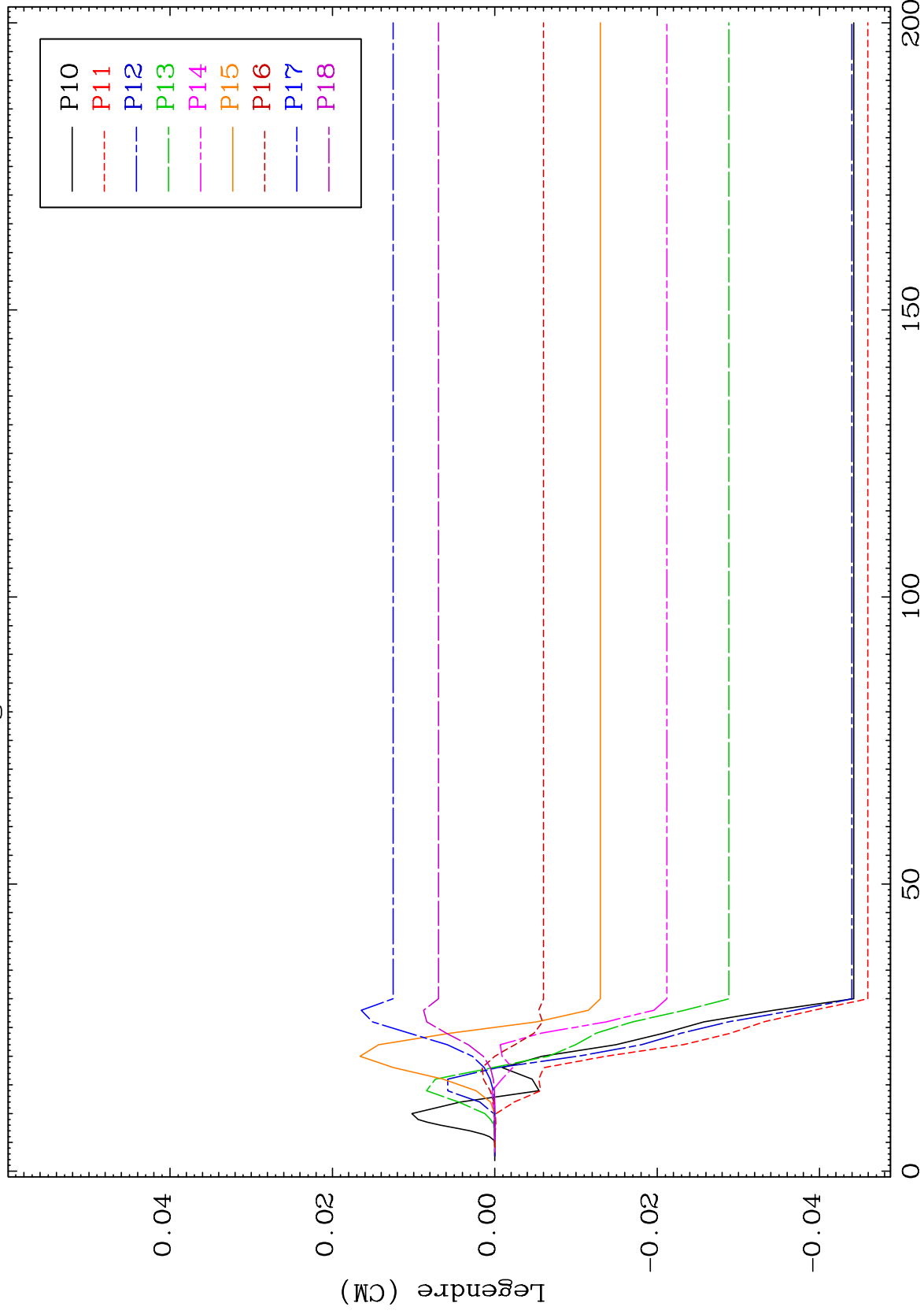
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



64

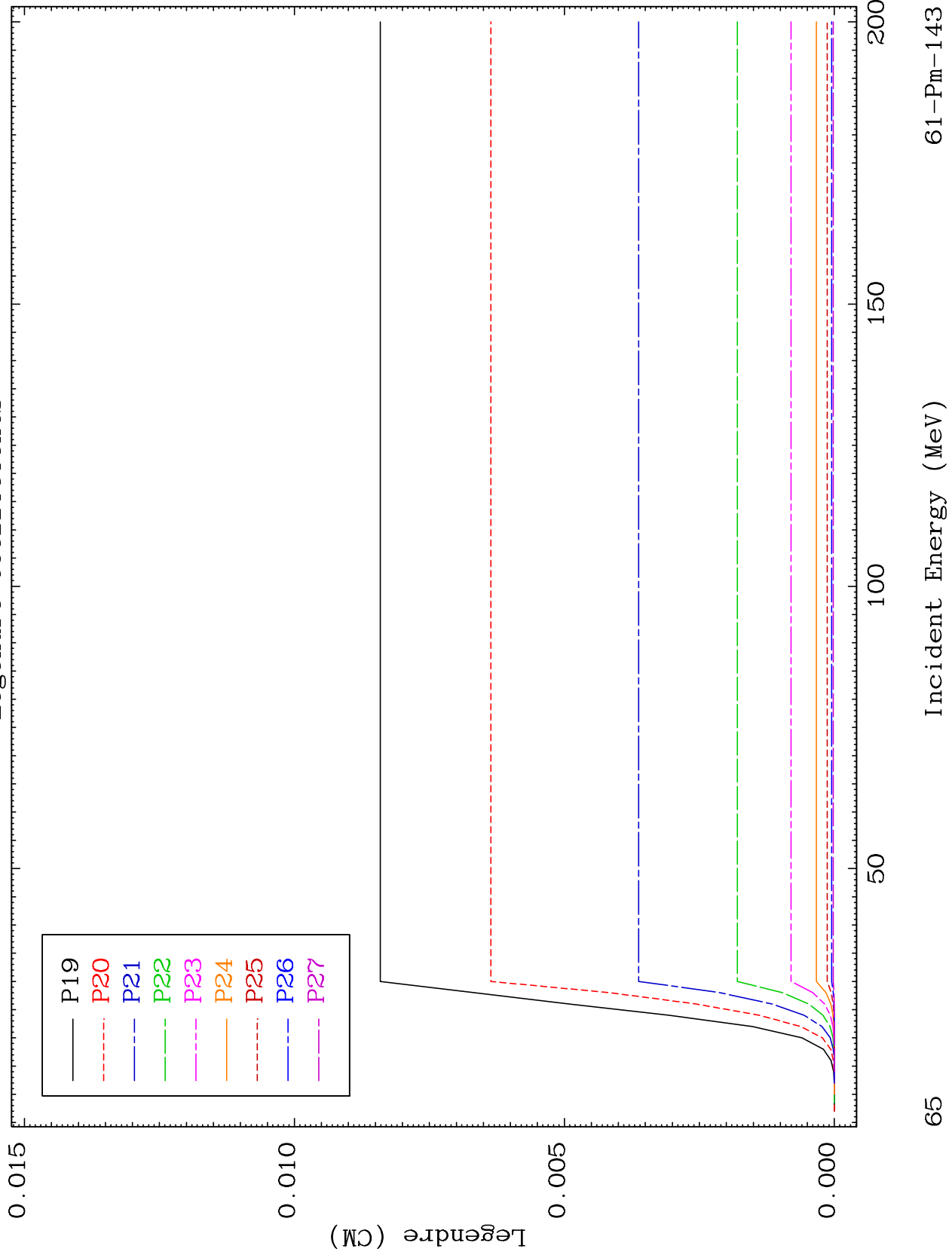
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



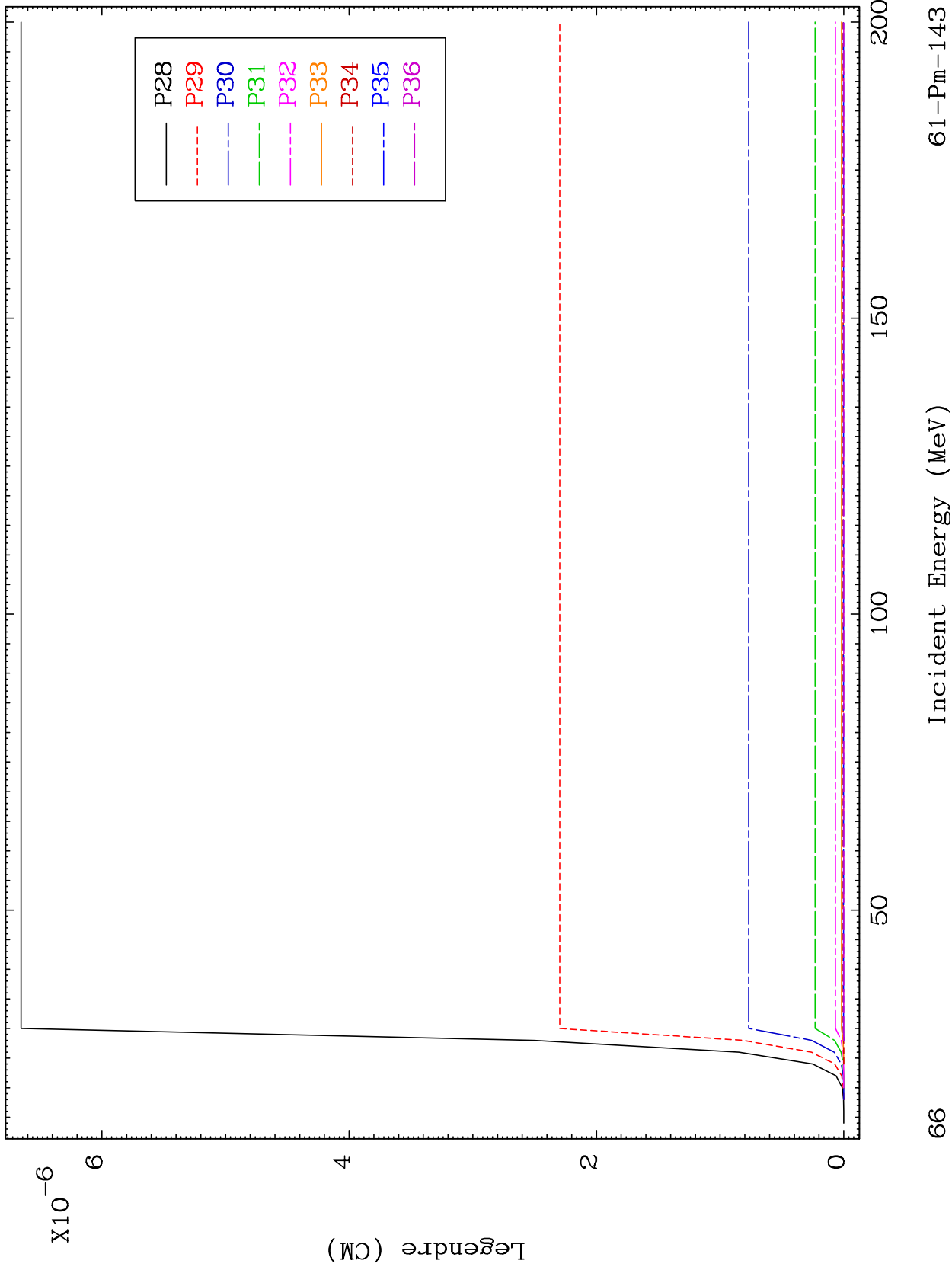
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61-Pm-143

MAT 6137

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

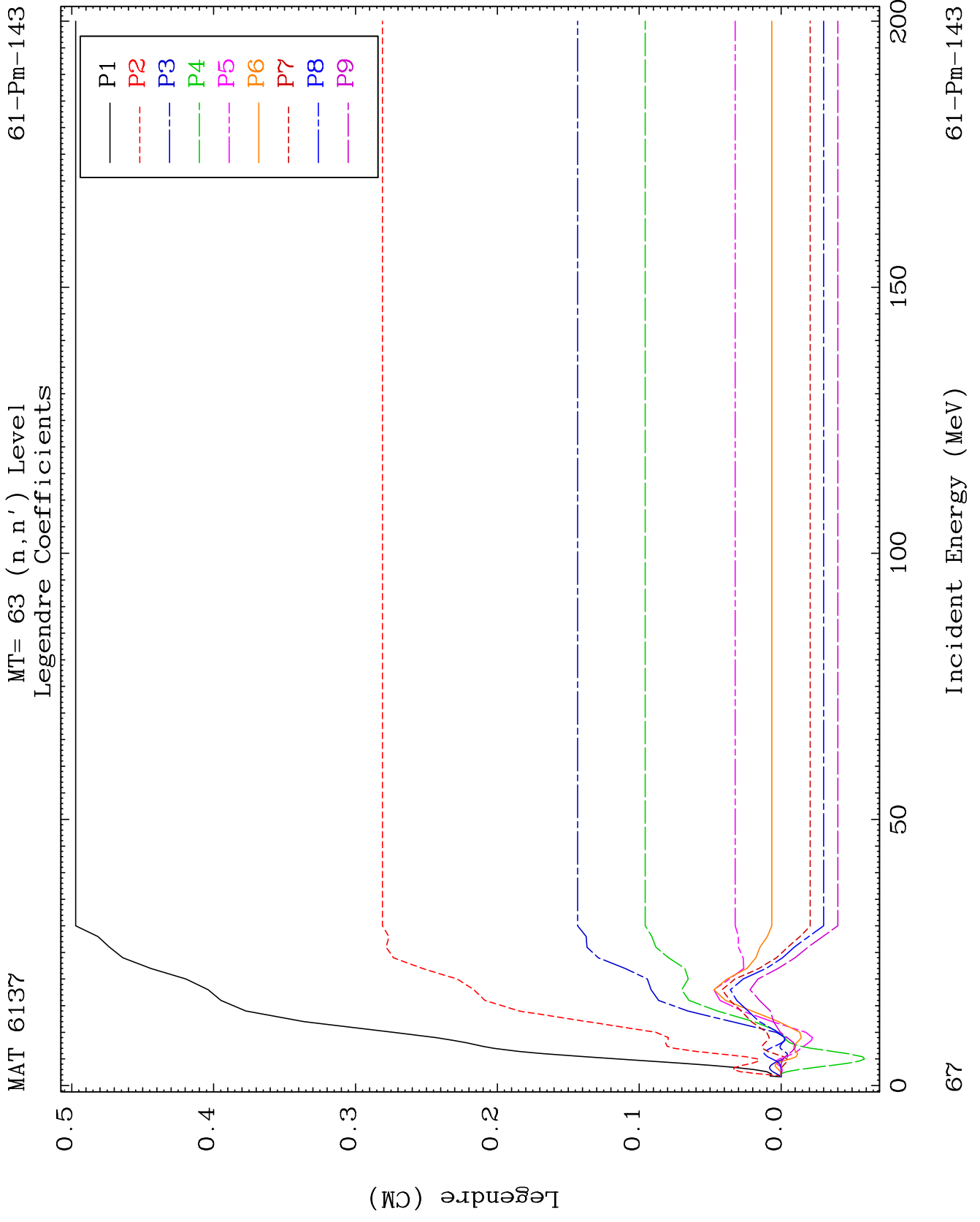
61-Pm-143



66

Incident Energy (MeV)

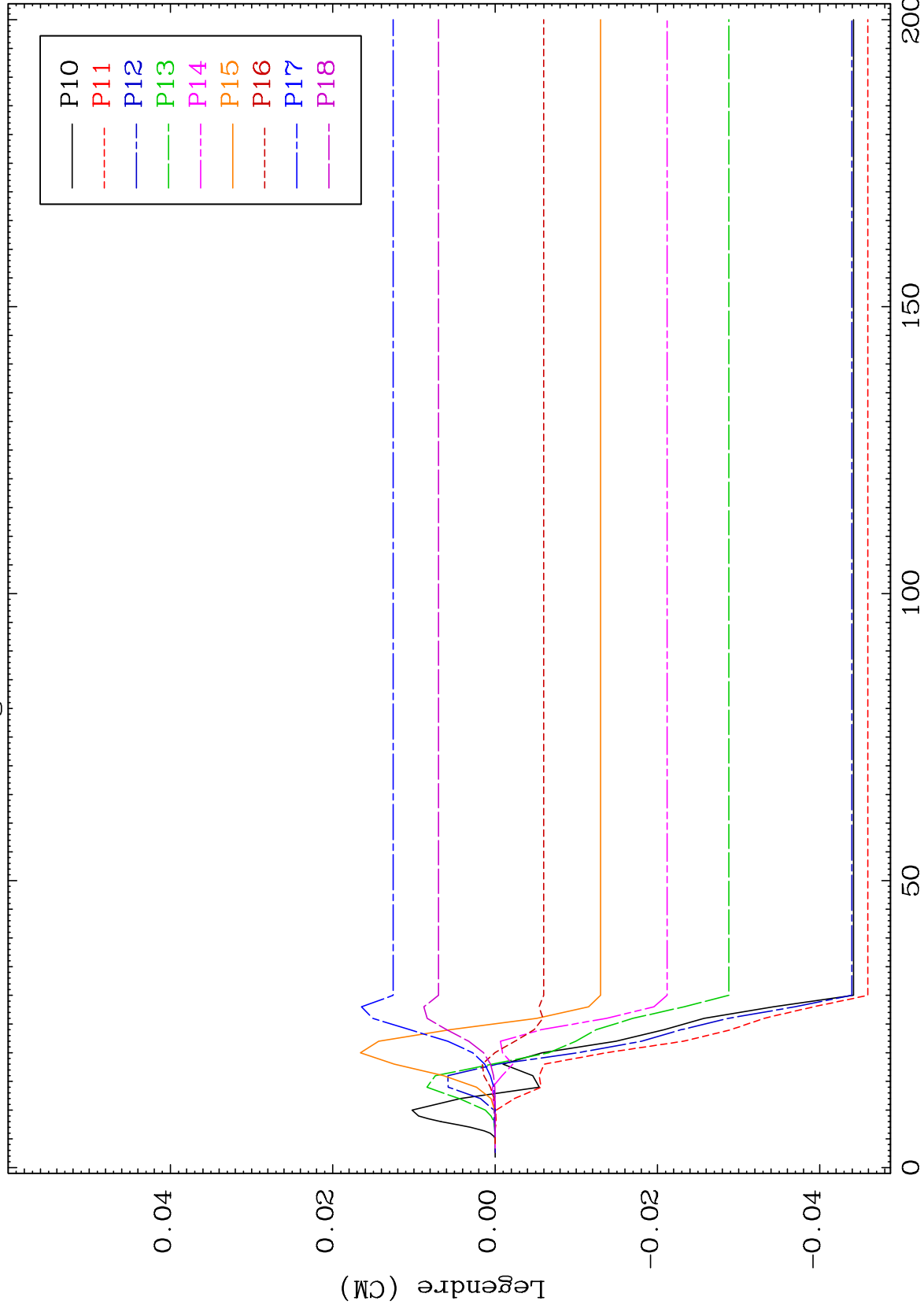
61-Pm-143



MAT 6137

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

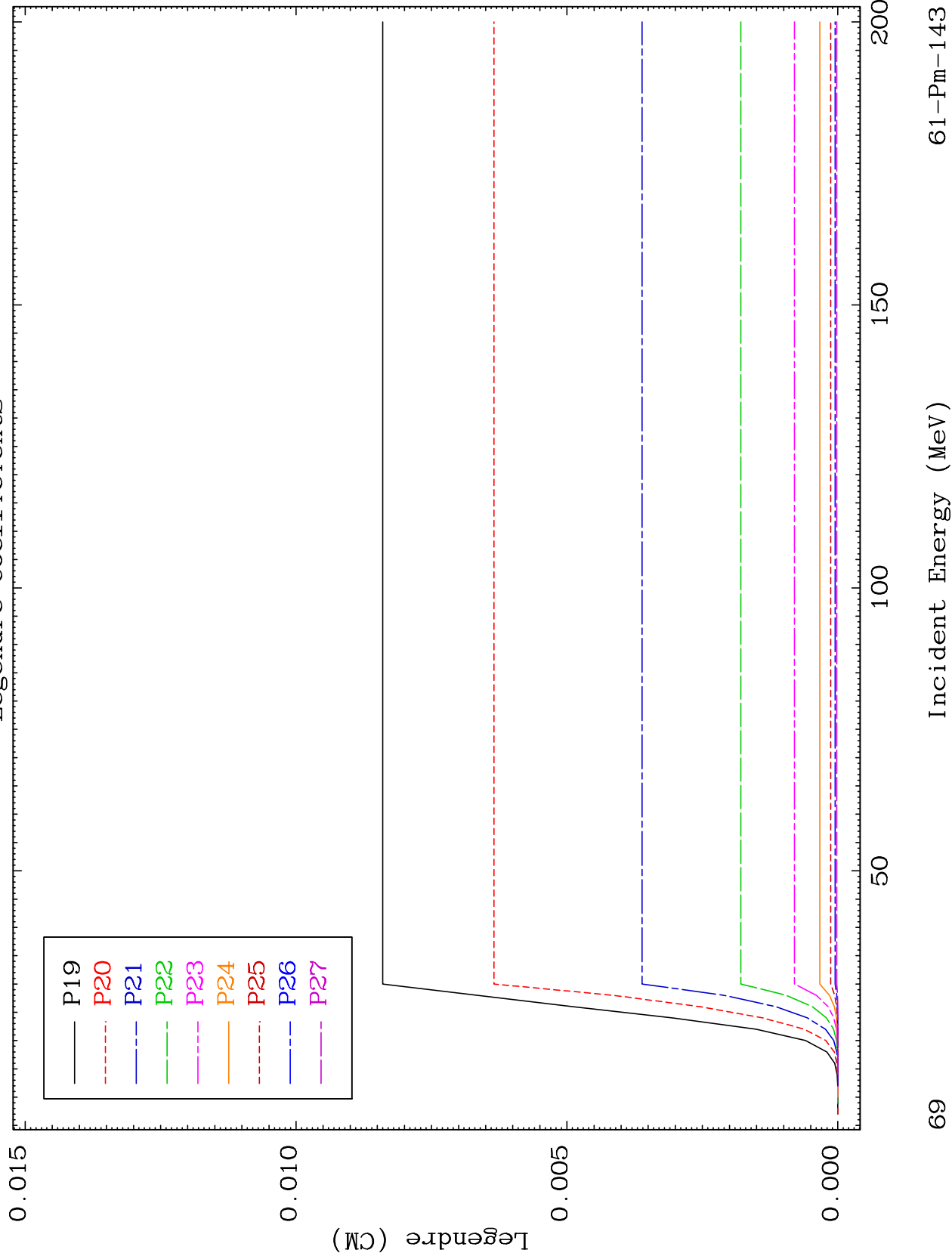
61-Pm-143



68

Incident Energy (MeV)

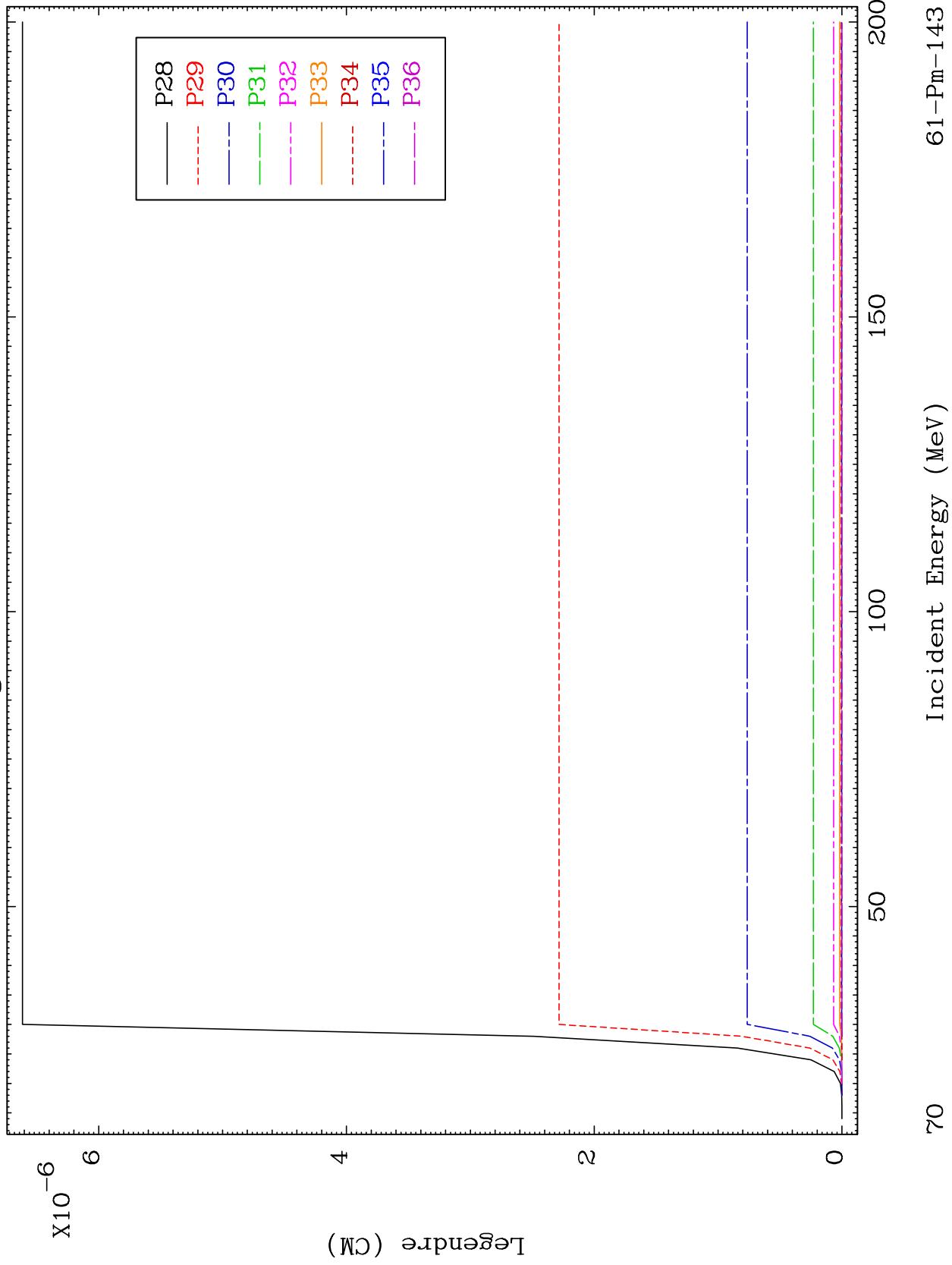
61-Pm-143



MAT 6137

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

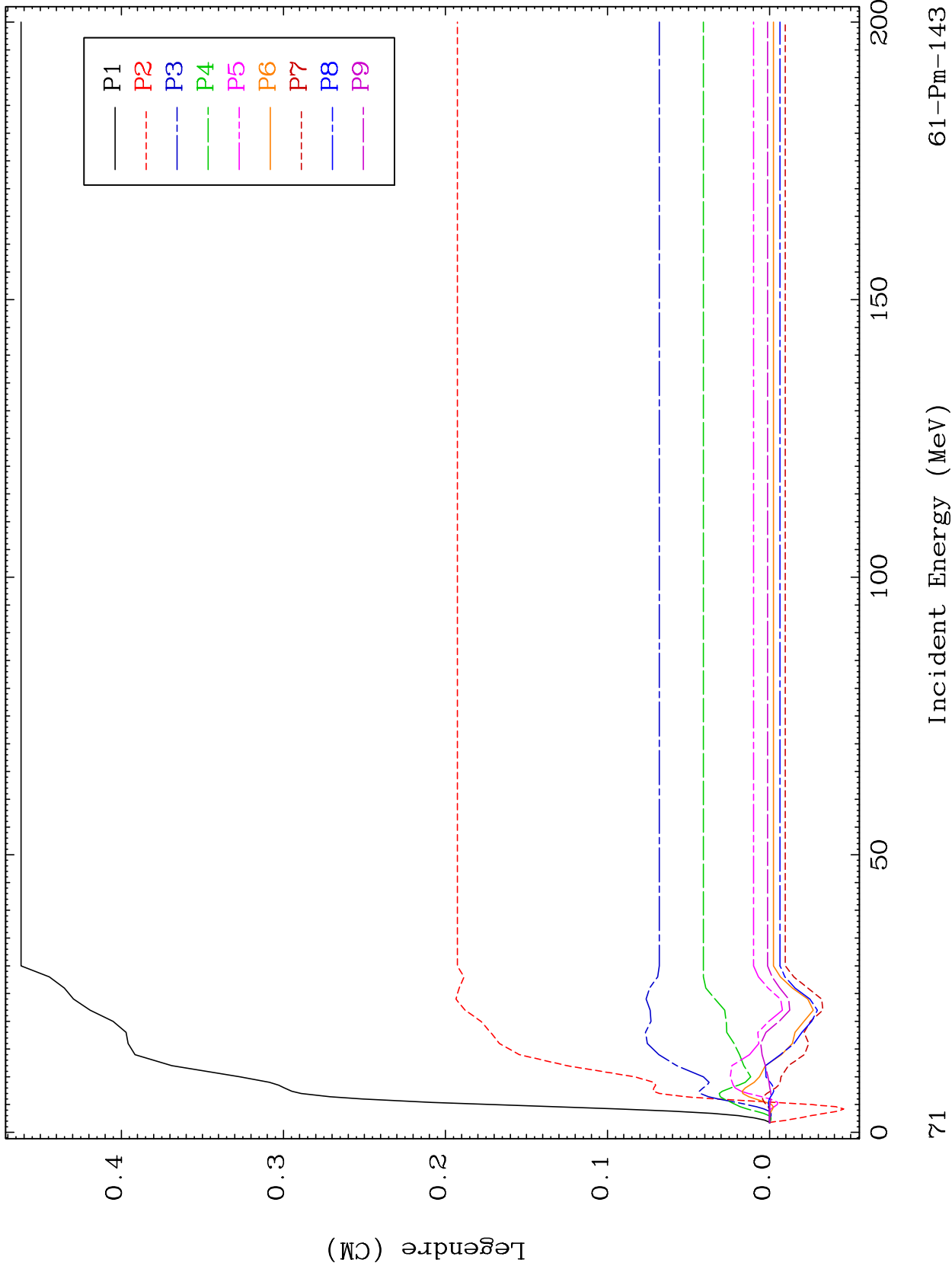
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

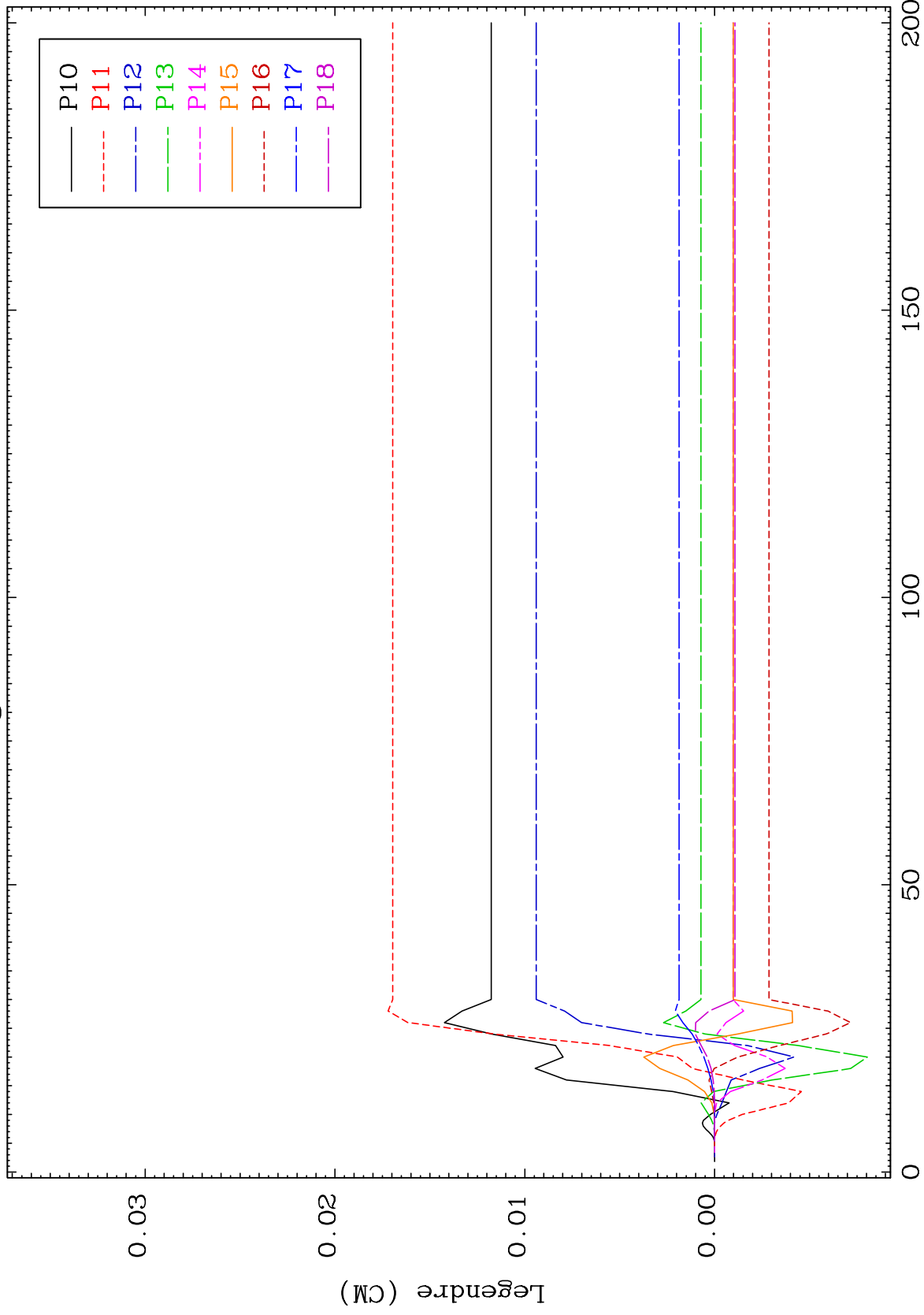
Incident Energy (MeV)

71

MAT 6137

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

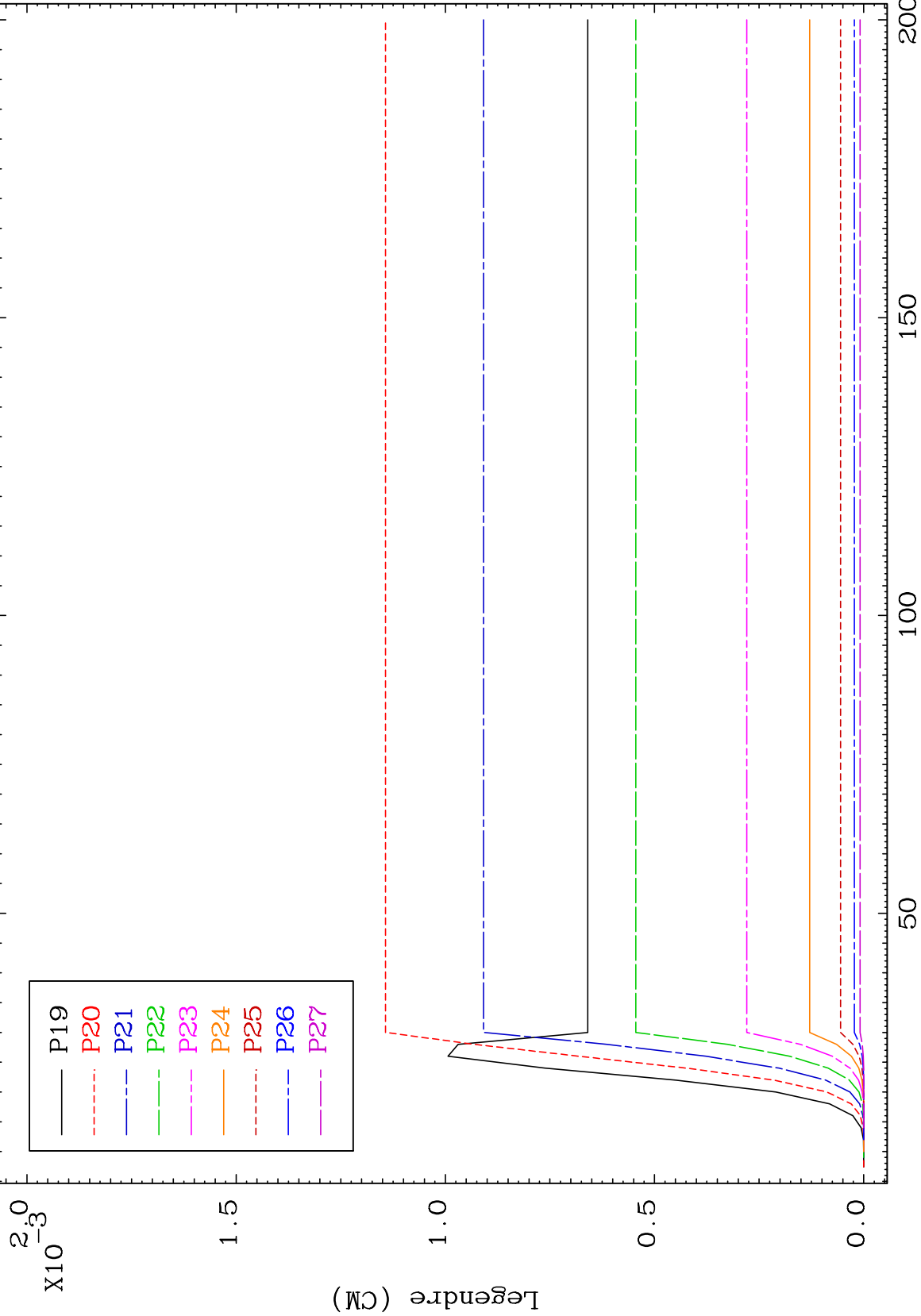
61-Pm-143



72

Incident Energy (MeV)

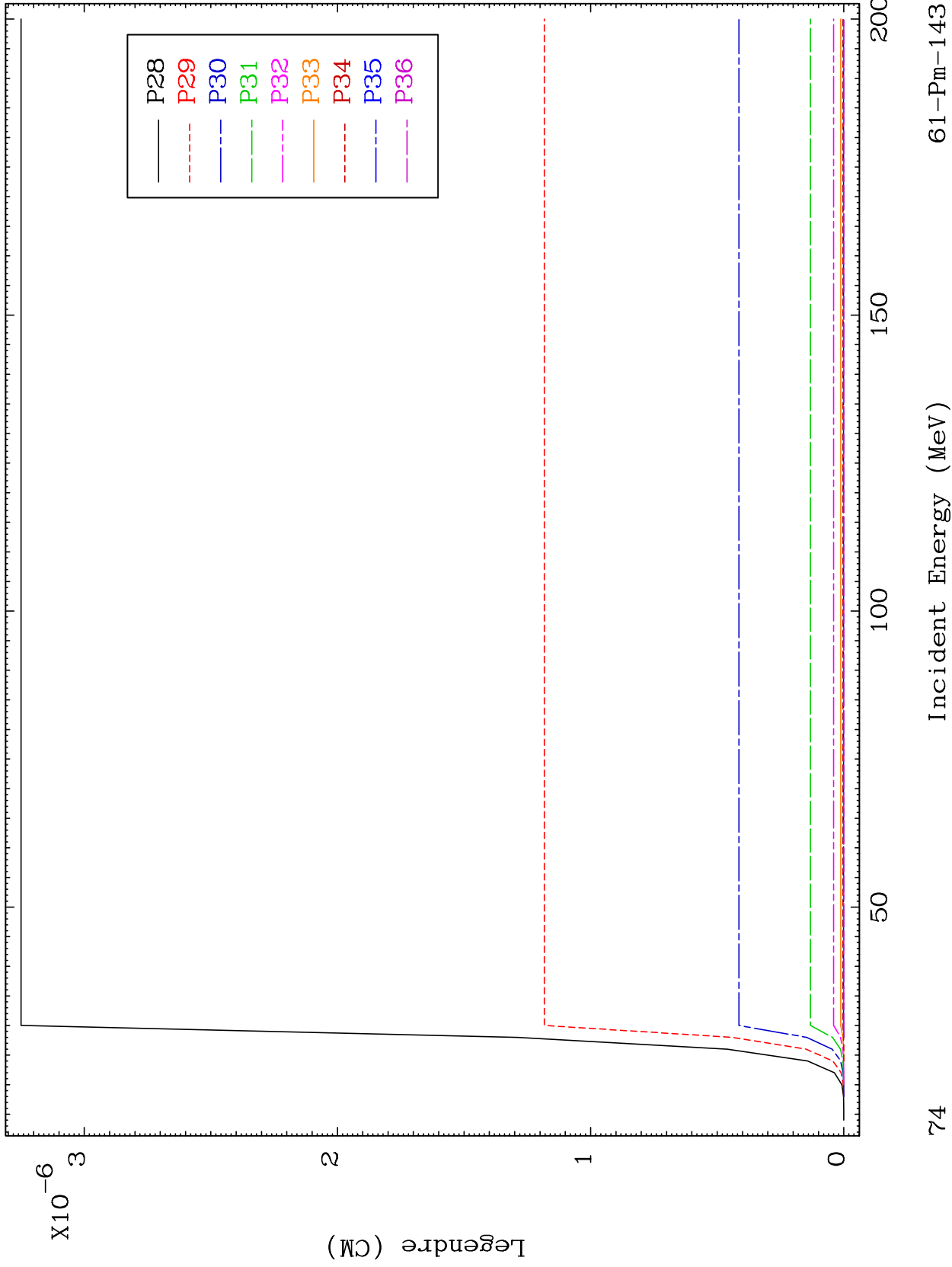
61-Pm-143



MAT 6137

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

61-Pm-143

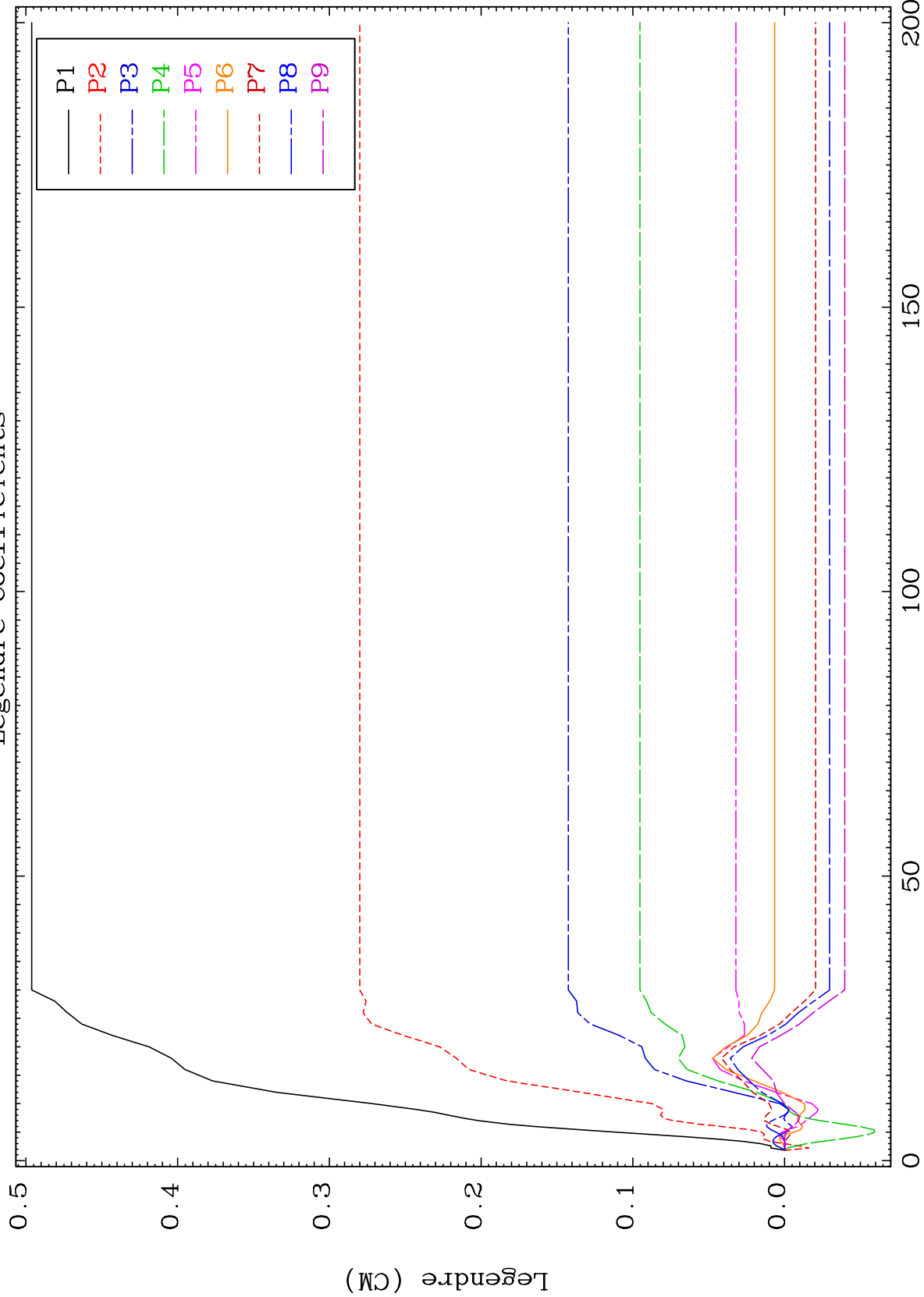


MAT 6137

MT= 65 (n,n') Level

61-Pm-143

Legendre Coefficients



75

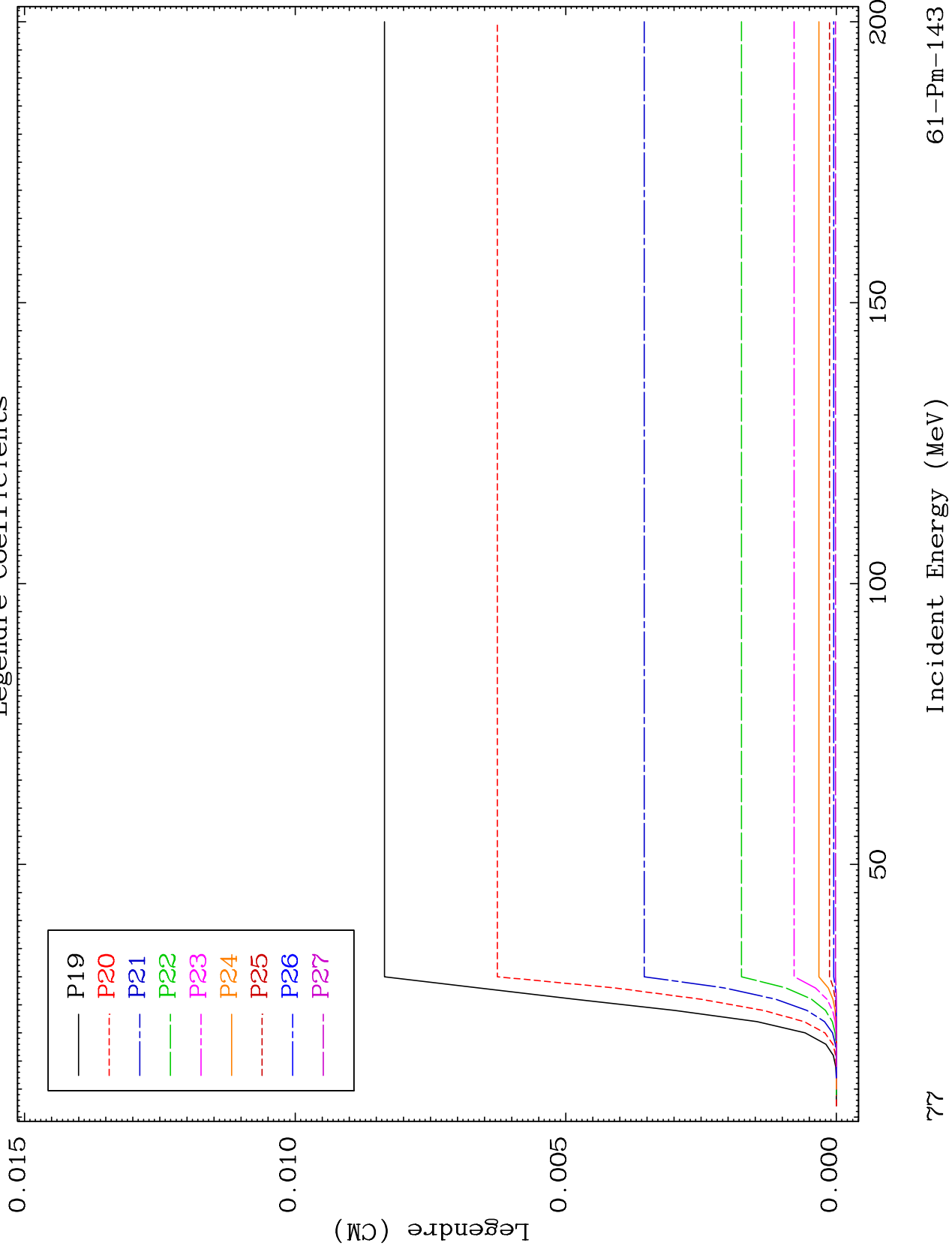
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



77

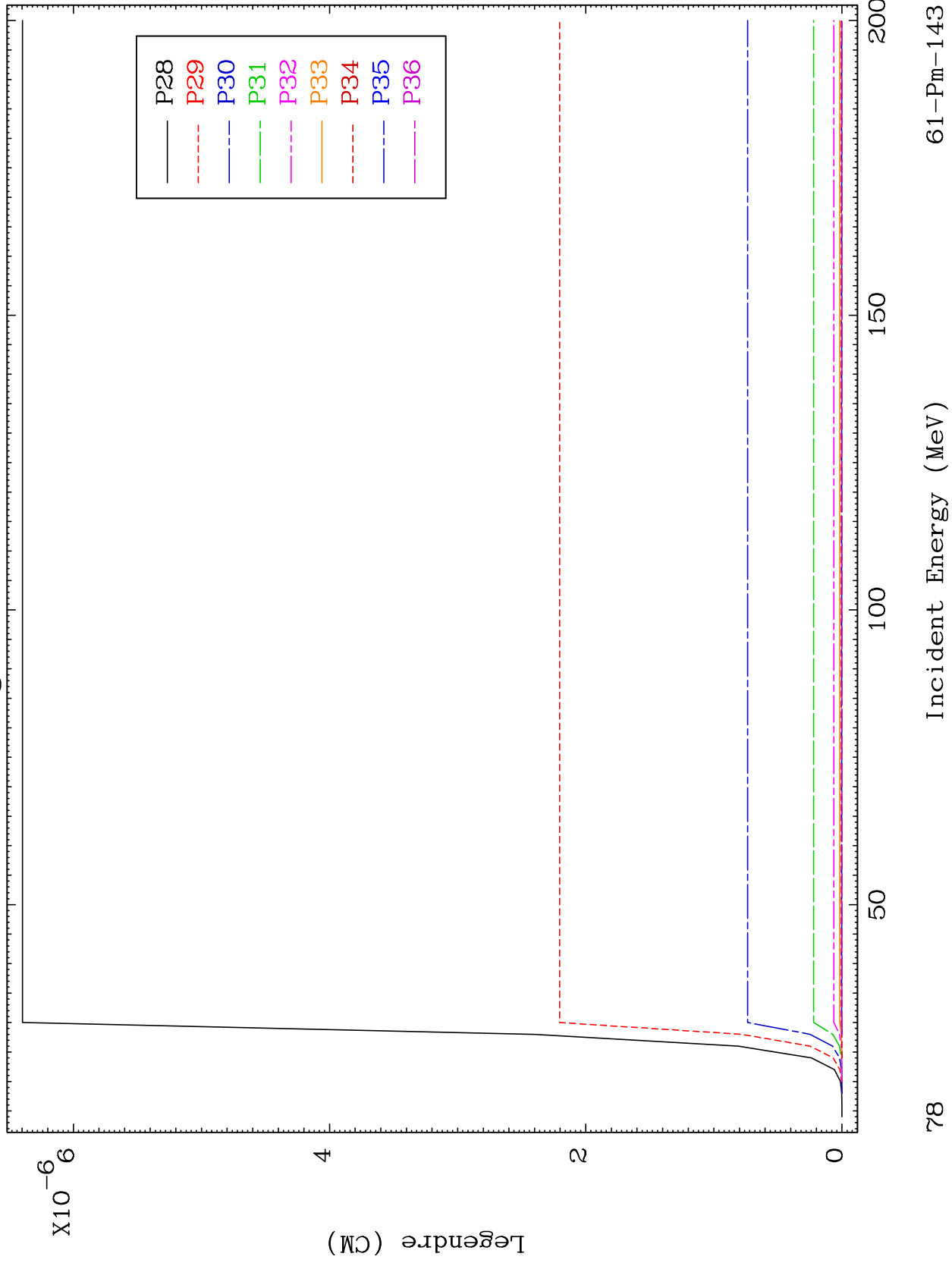
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



78

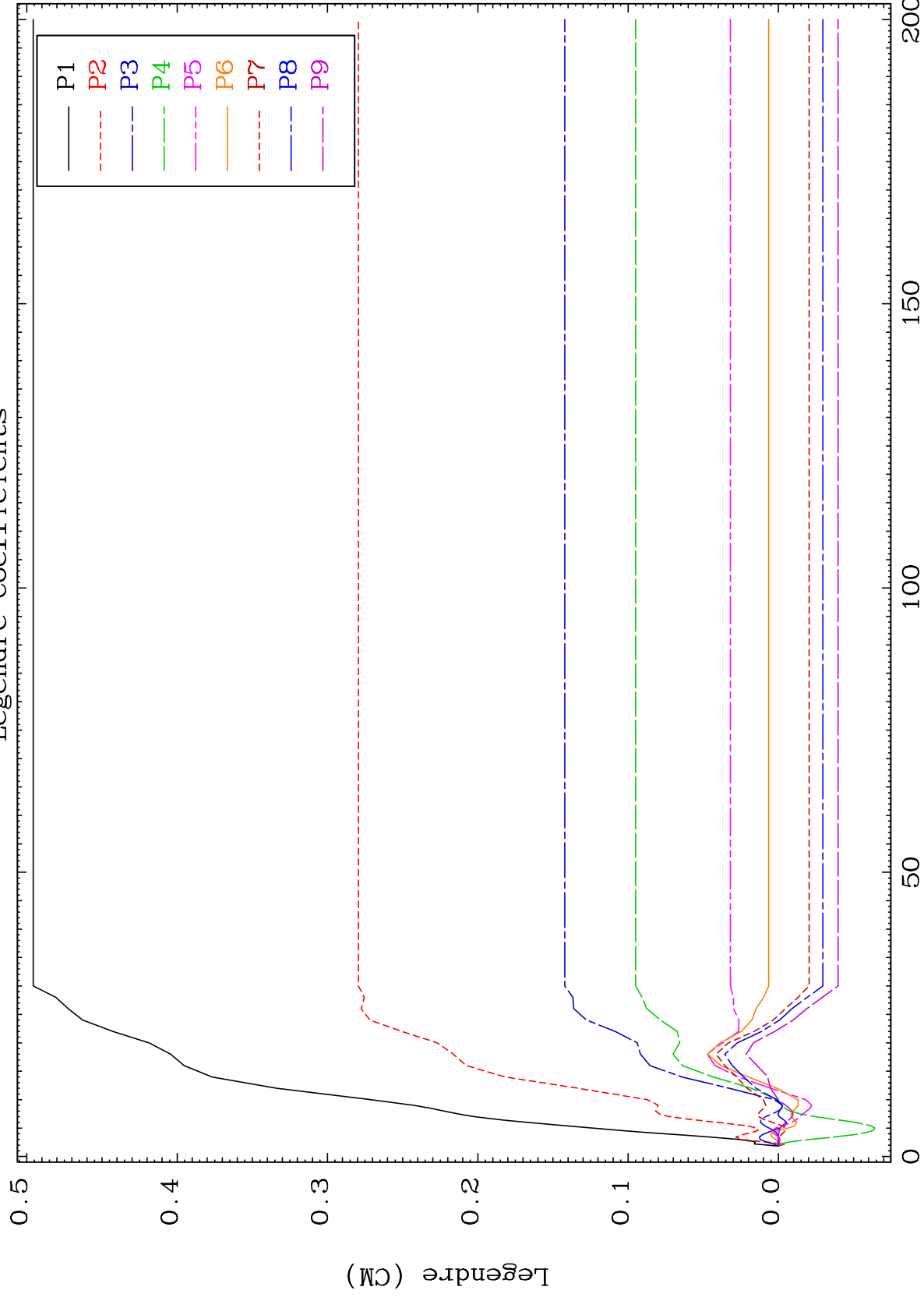
Incident Energy (MeV)

61-Pm-143

MAT 6137

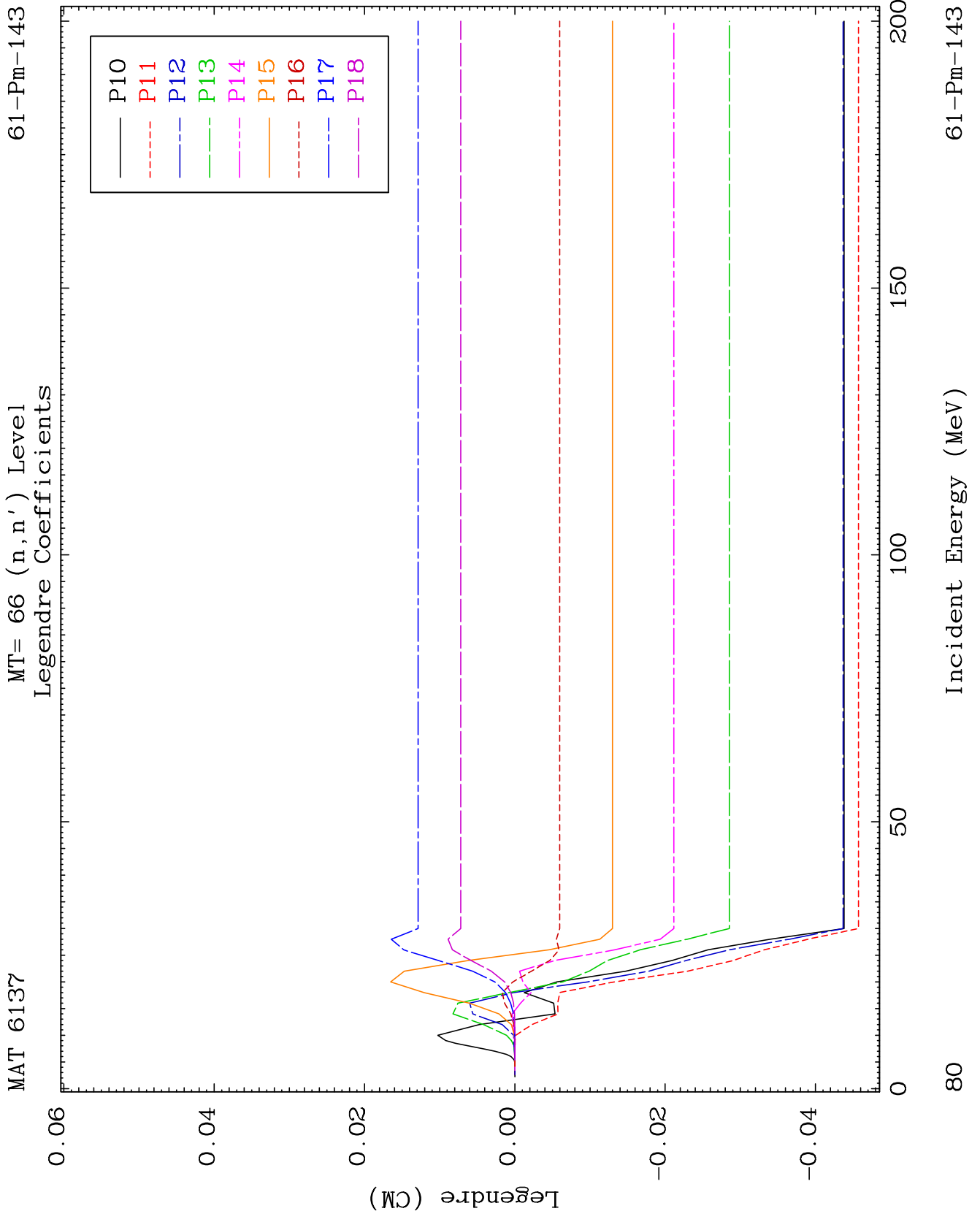
MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-143



79

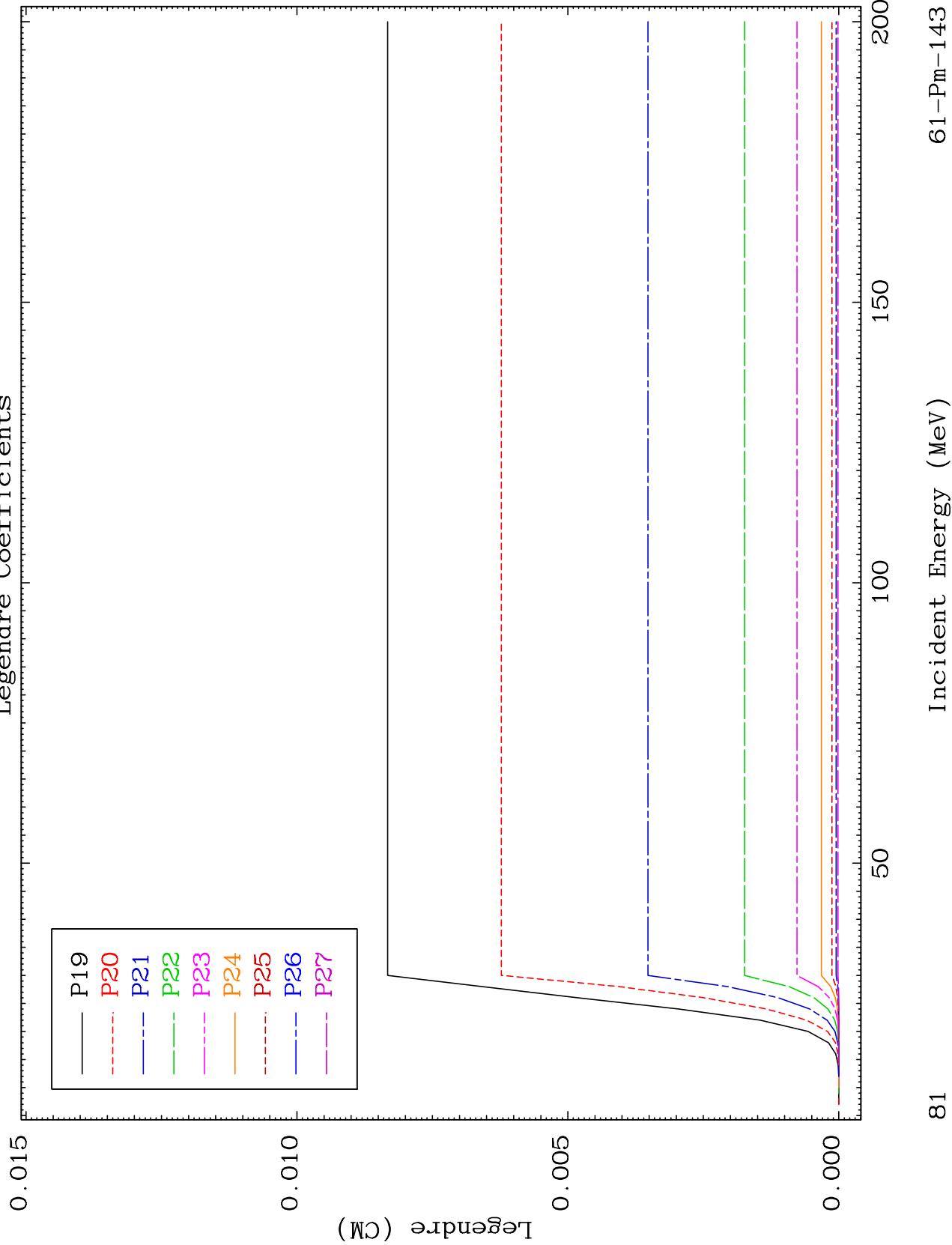
61-Pm-143



MAT 6137

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-143



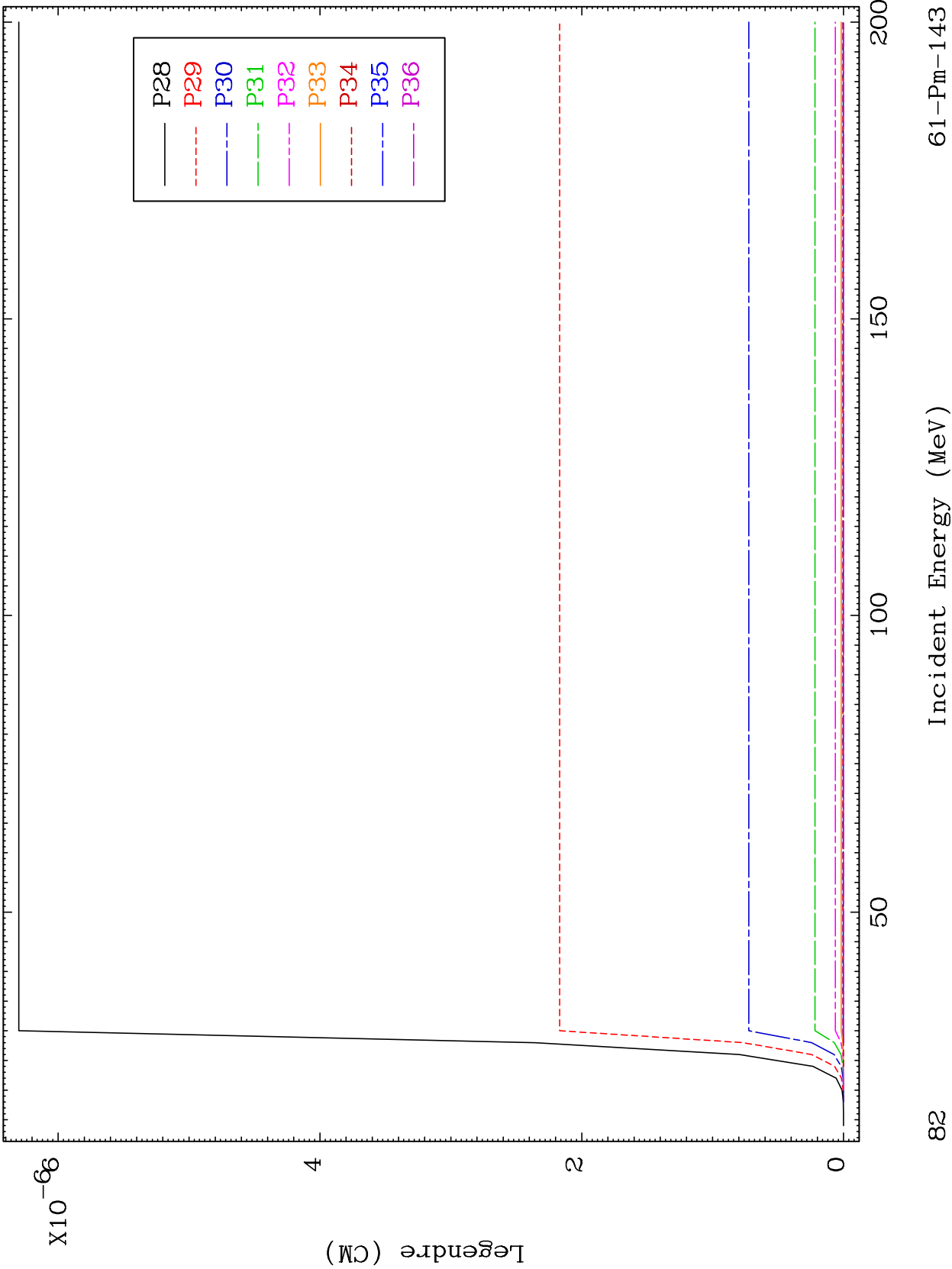
81

61-Pm-143

MAT 6137

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-143



82

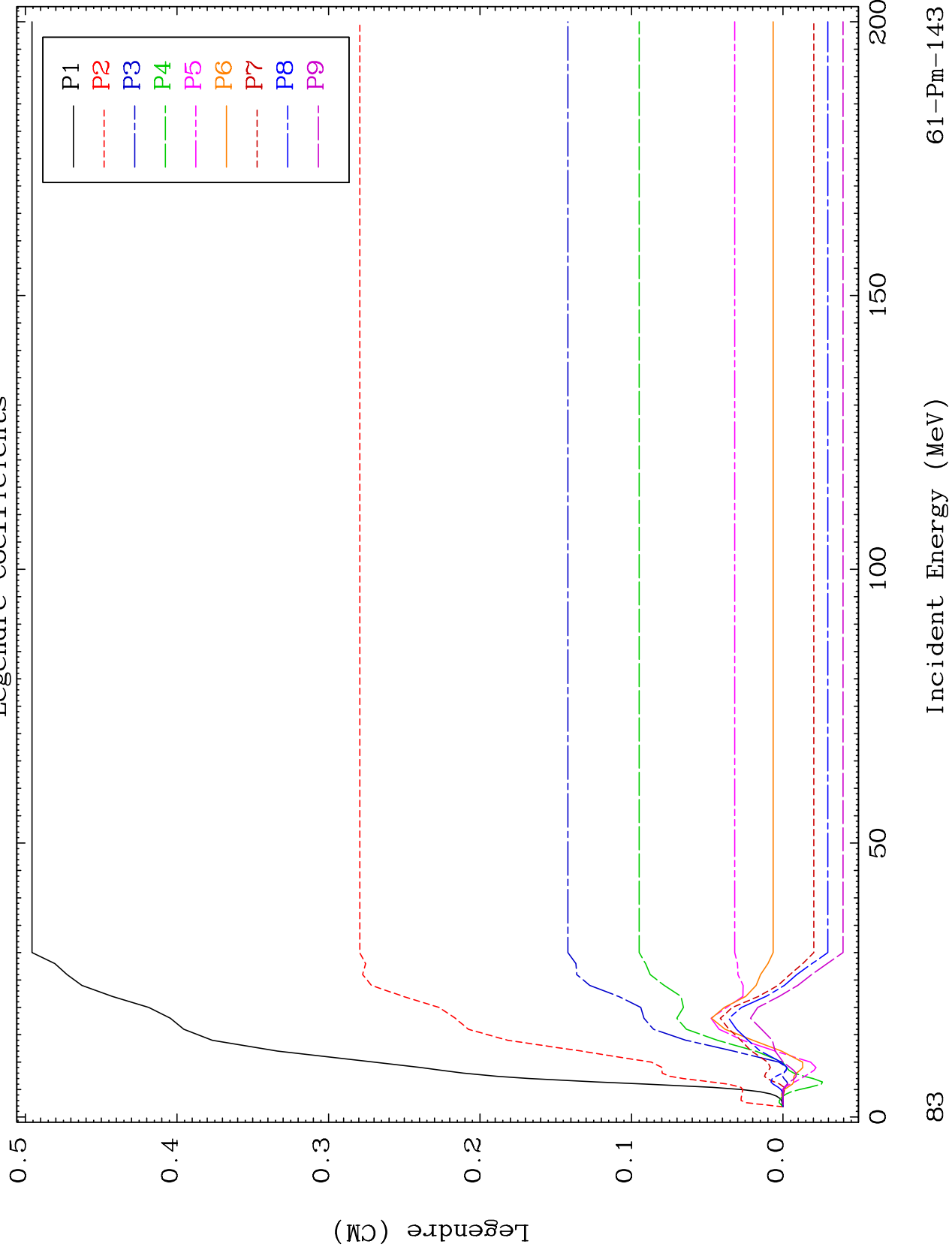
Incident Energy (MeV)

61-Pm-143

MAT 6137

MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

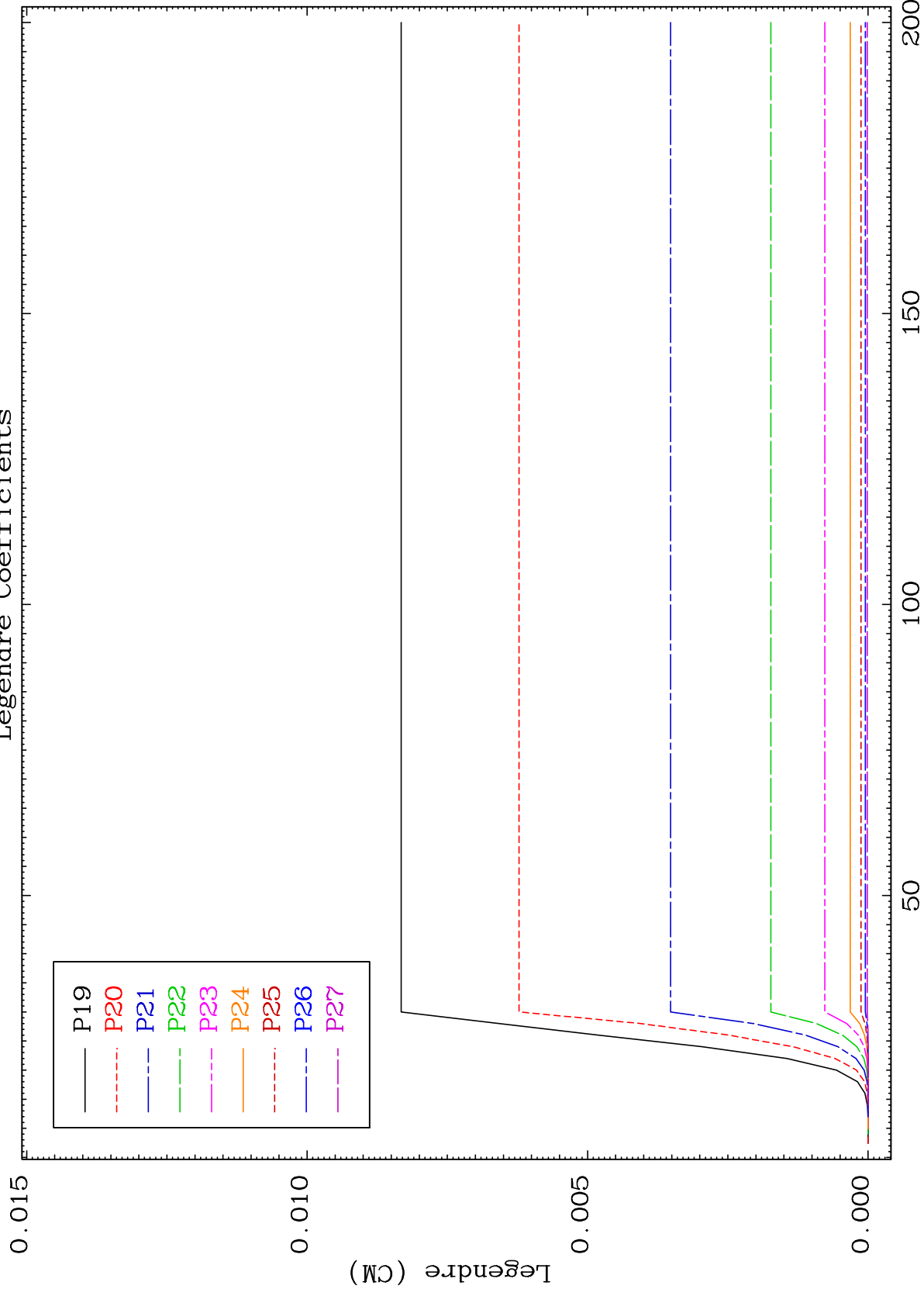
Incident Energy (MeV)

83

MAT 6137

MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-143



85

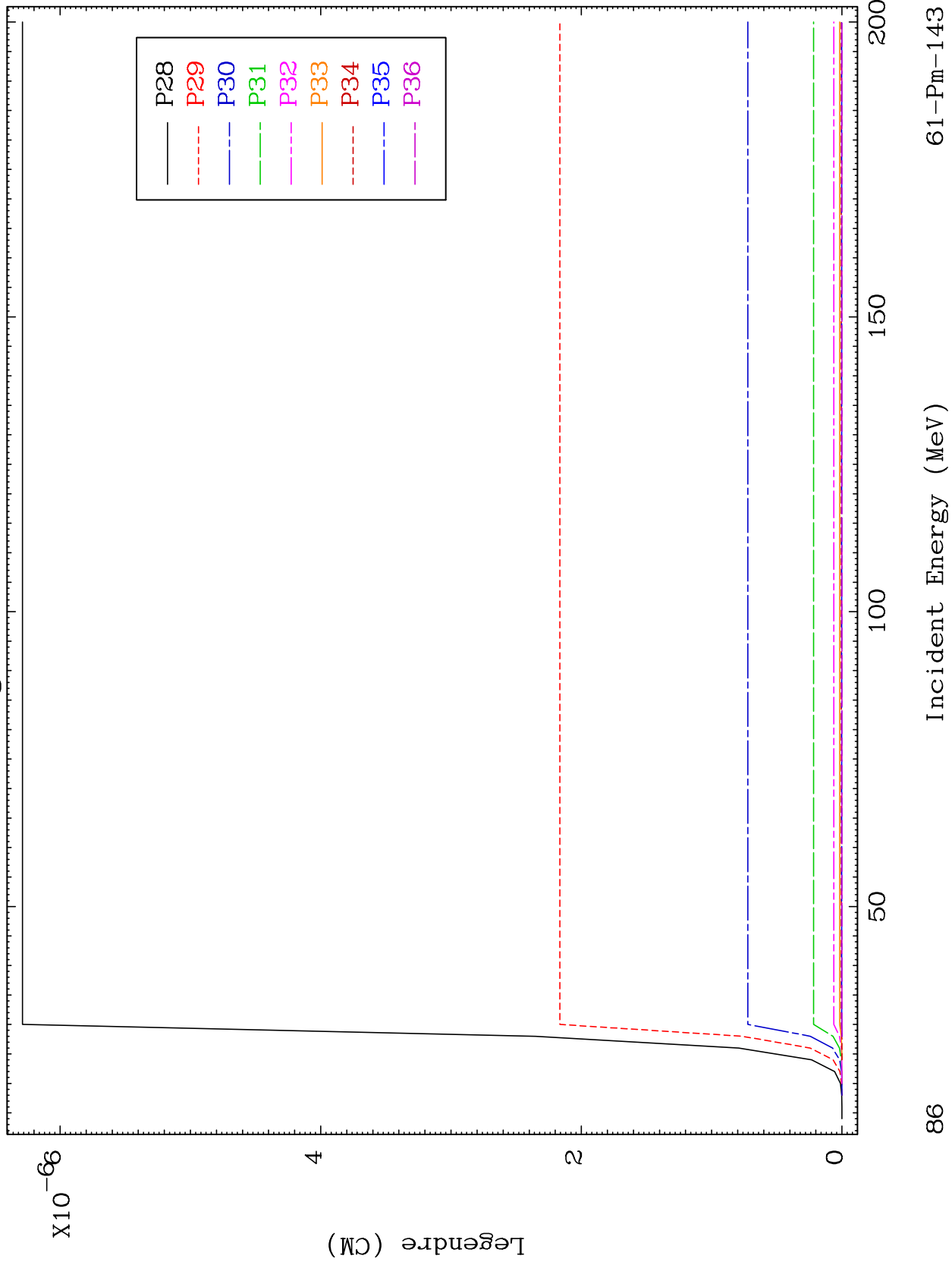
Incident Energy (MeV)

61-Pm-143

MAT 6137

MT= 67 (n,n') Level
Legendre Coefficients

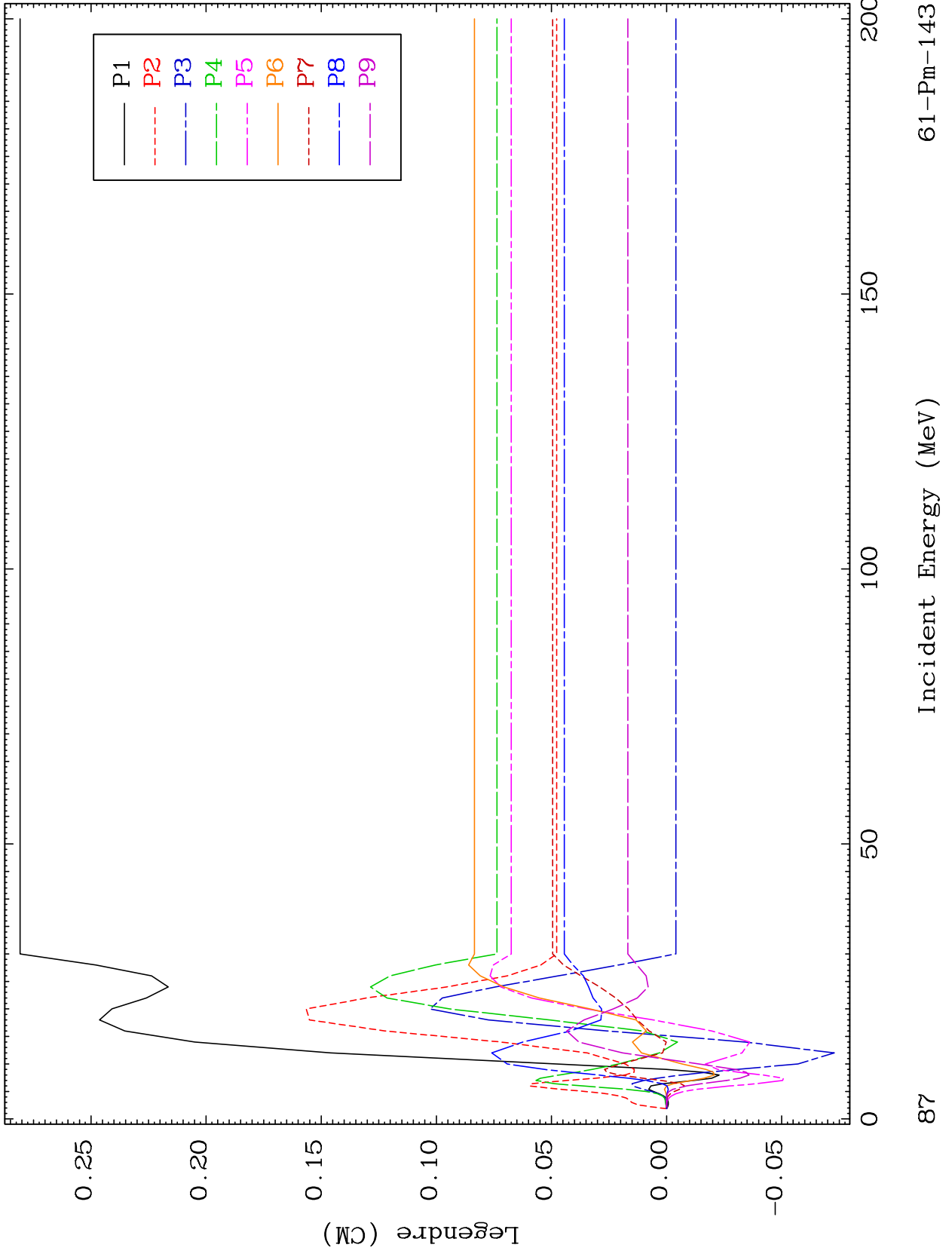
61-Pm-143



MAT 6137

MT= 68 (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

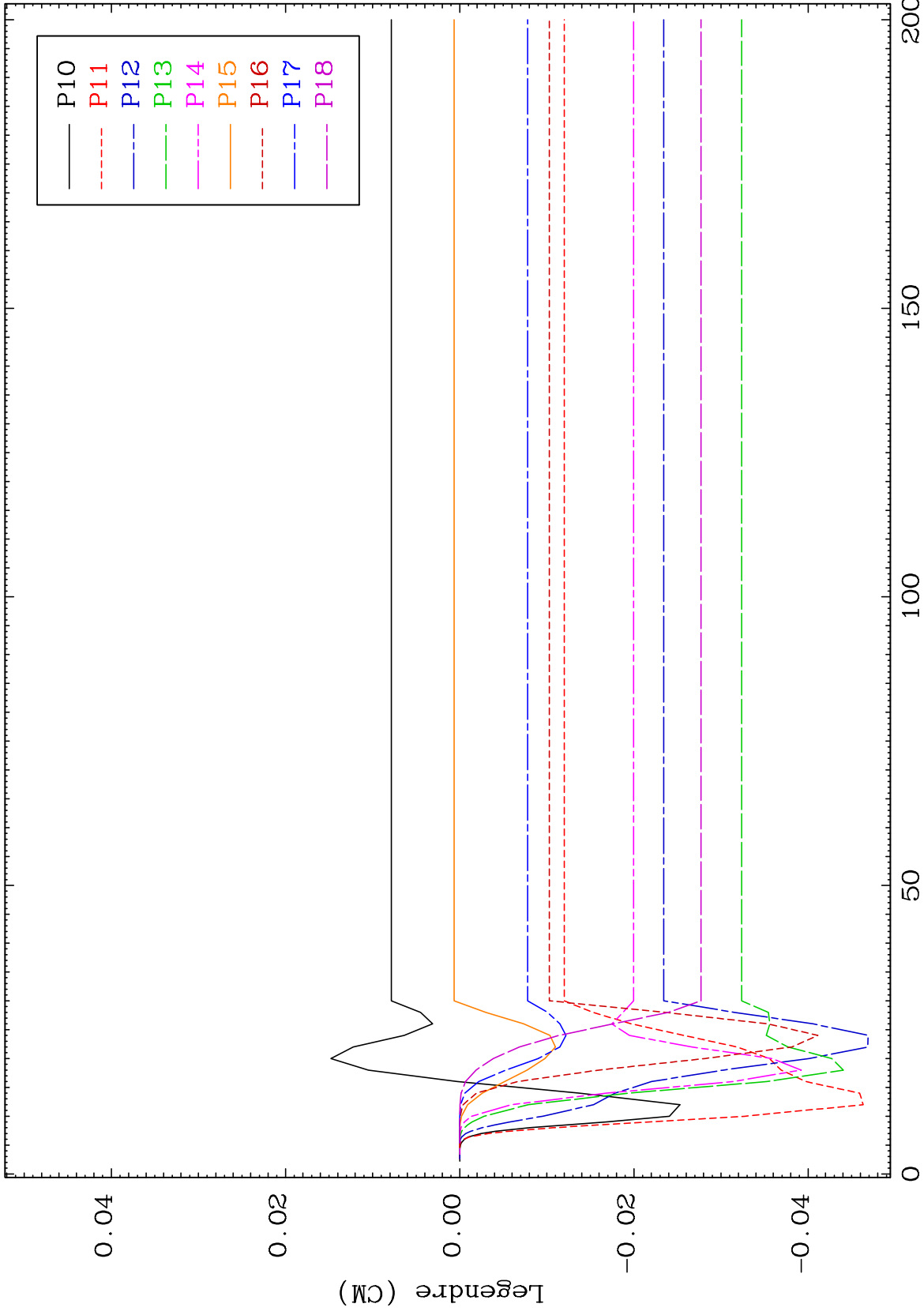
Incident Energy (MeV)

87

MAT 6137

MT= 68 (n,n') Level
Legendre Coefficients

61-Pm-143



88

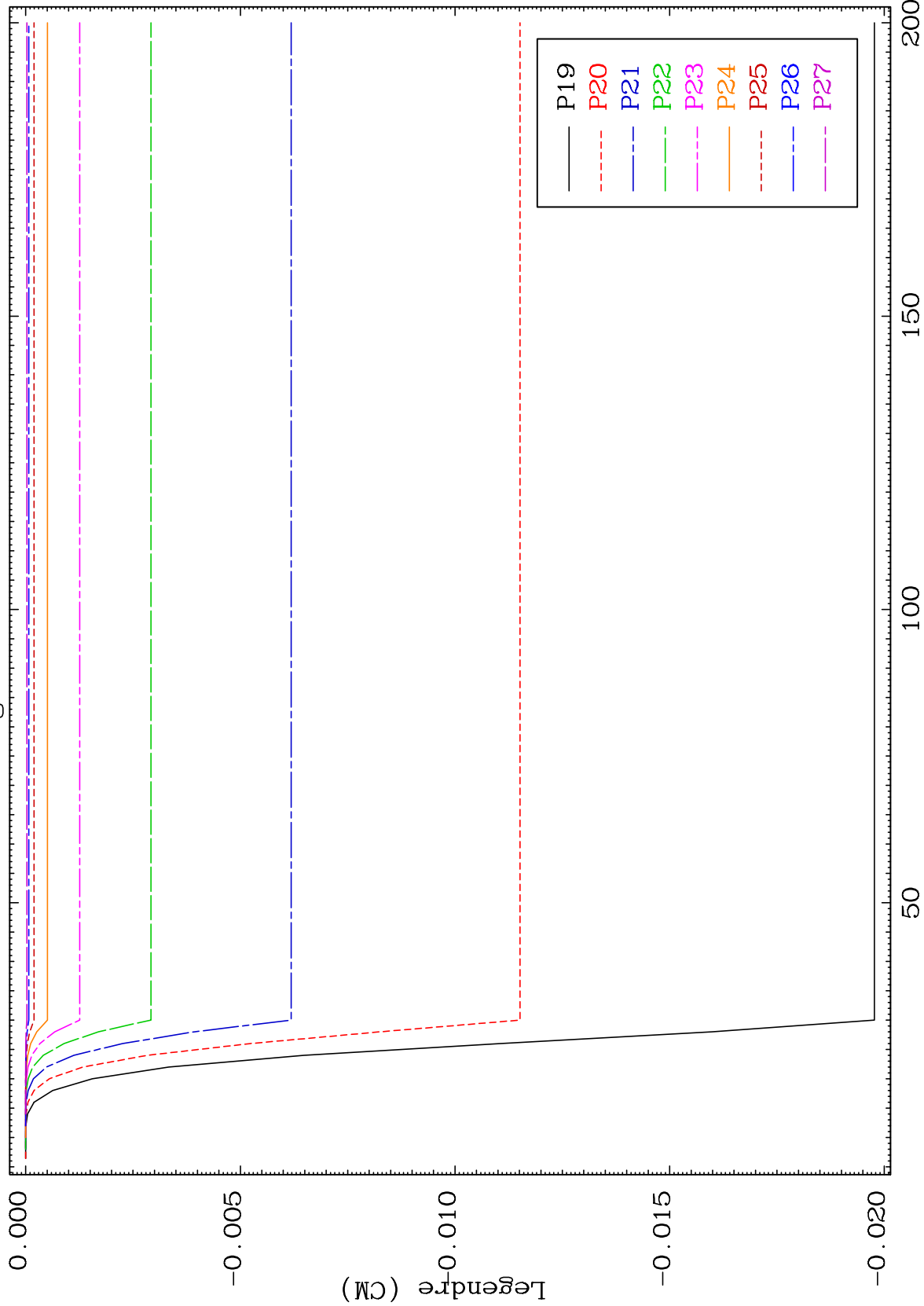
Incident Energy (MeV)

61-Pm-143

MAT 6137

MT= 68 (n,n') Level
Legendre Coefficients

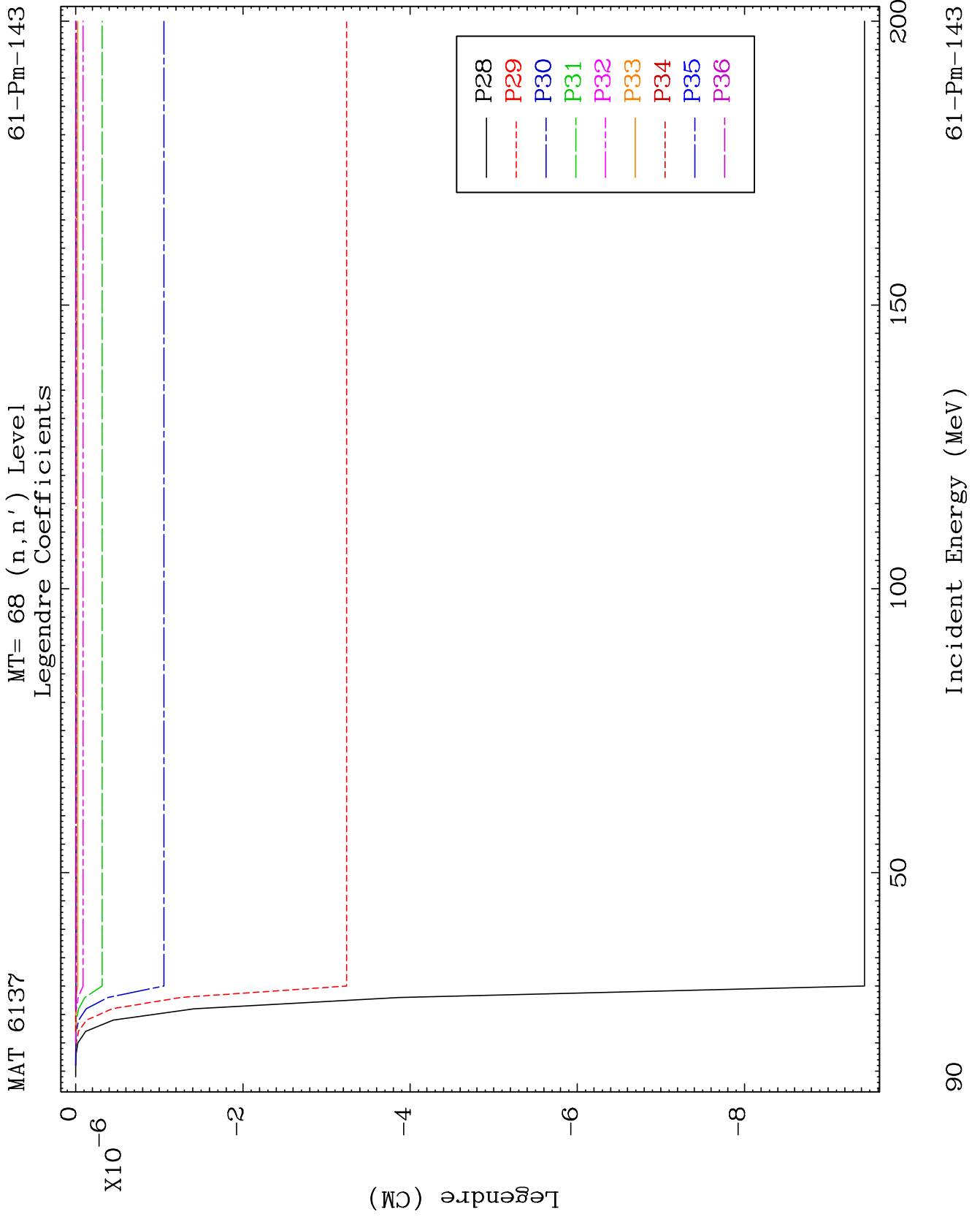
61-Pm-143



89

Incident Energy (MeV)

61-Pm-143

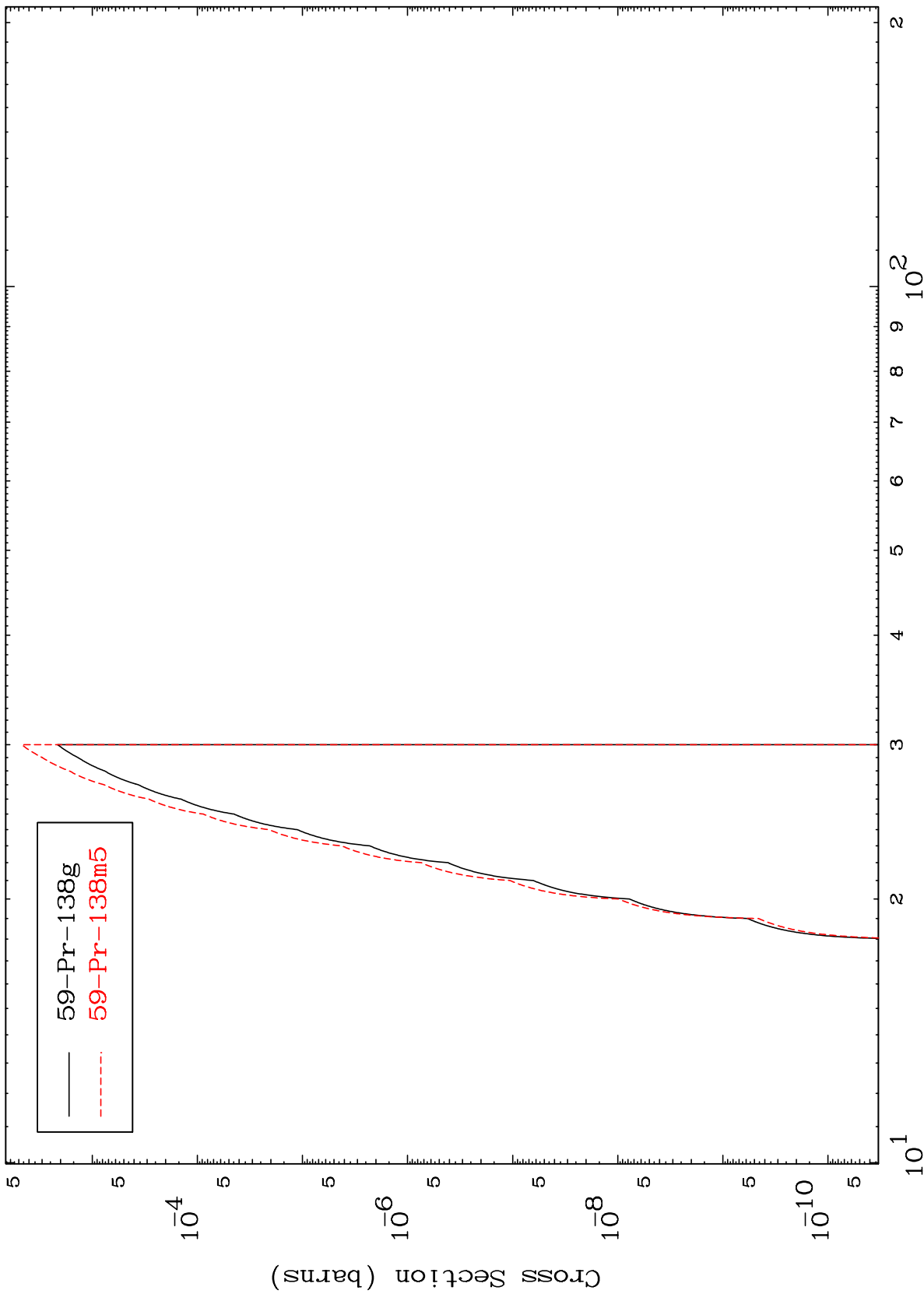


MAT 6137

(n,2n) α

61-Pm-143

Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

Incident Energy (MeV)

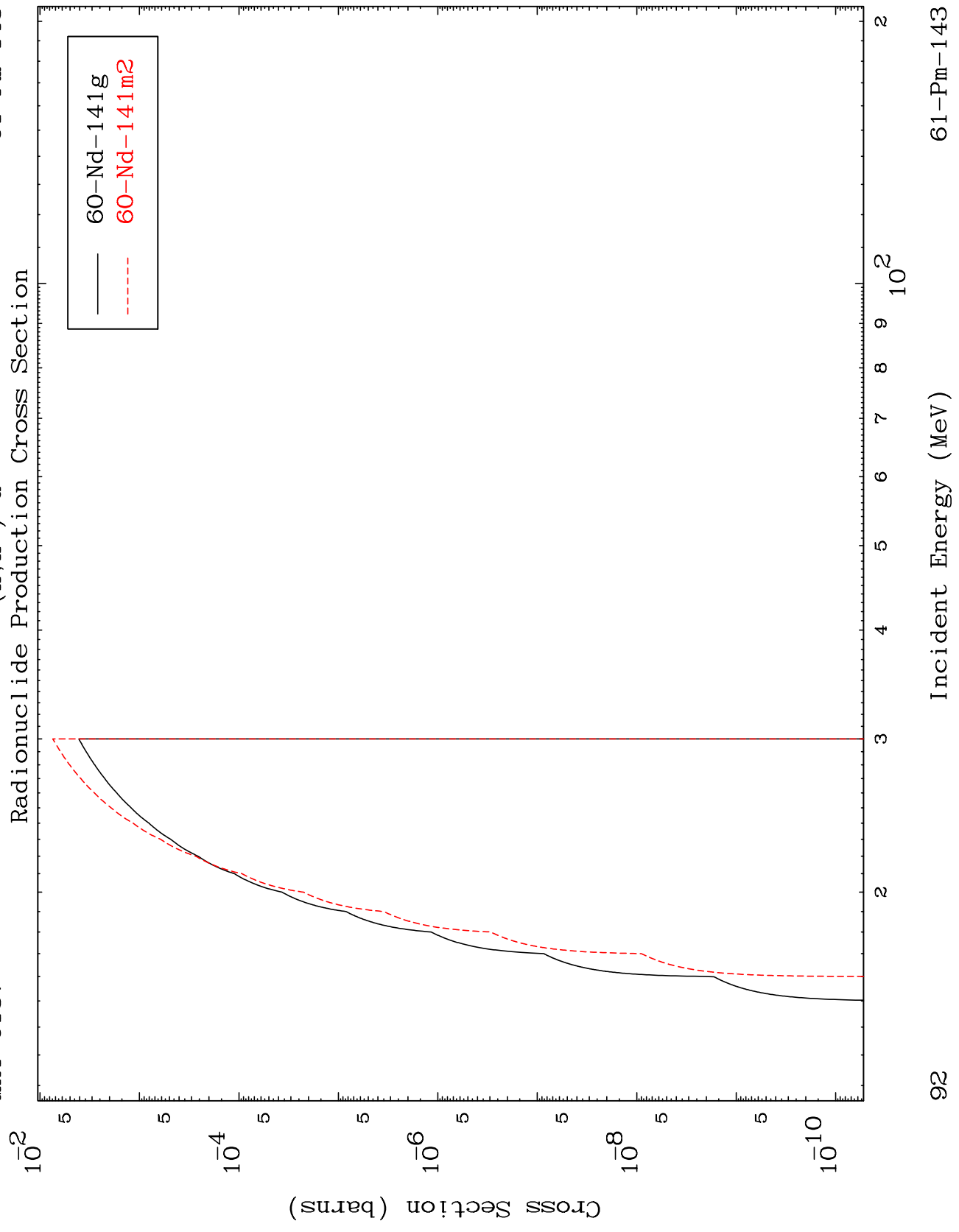
61-Pm-143

91

MAT 6137

(n,n') d

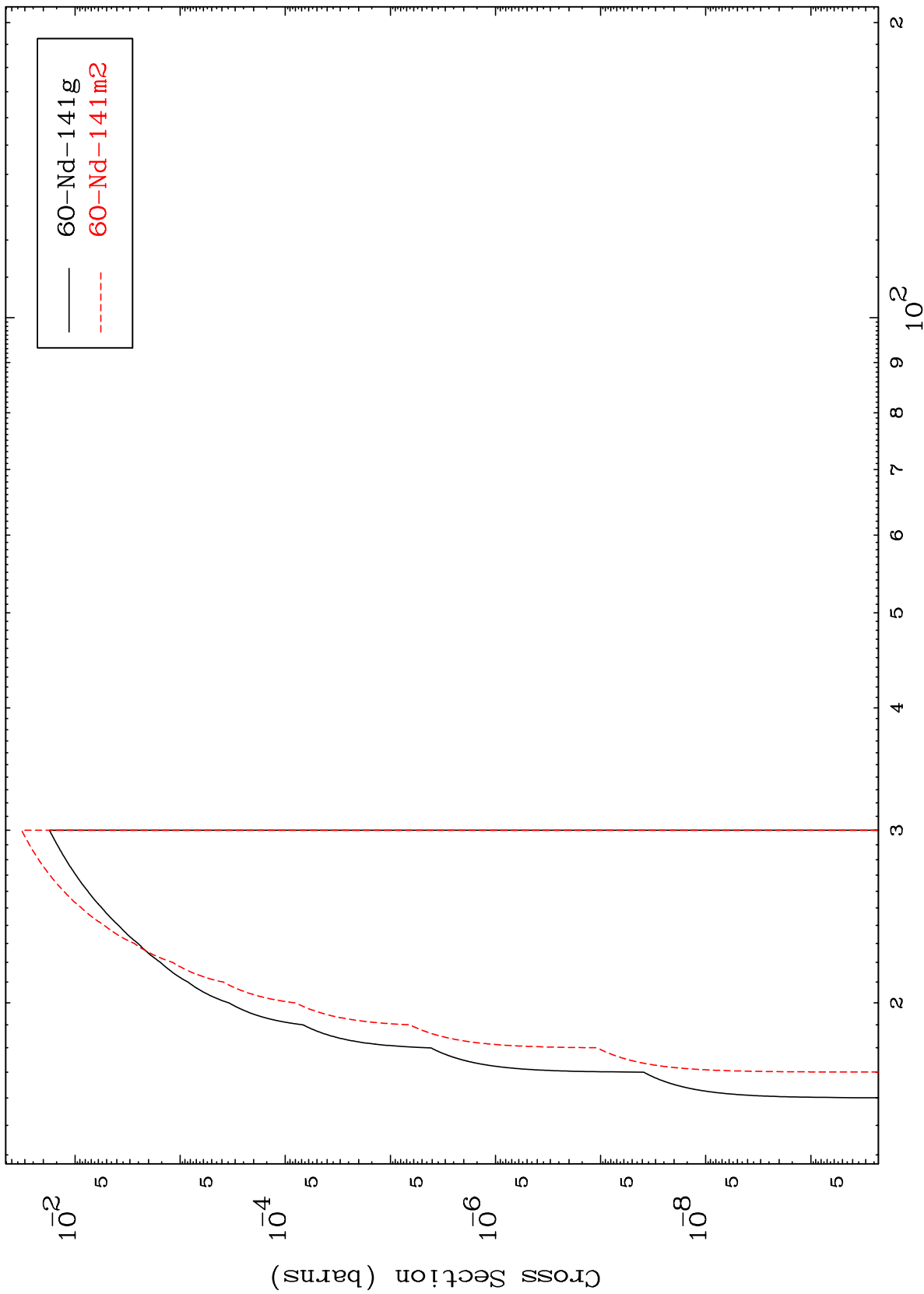
61-Pm-143



92

61-Pm-143

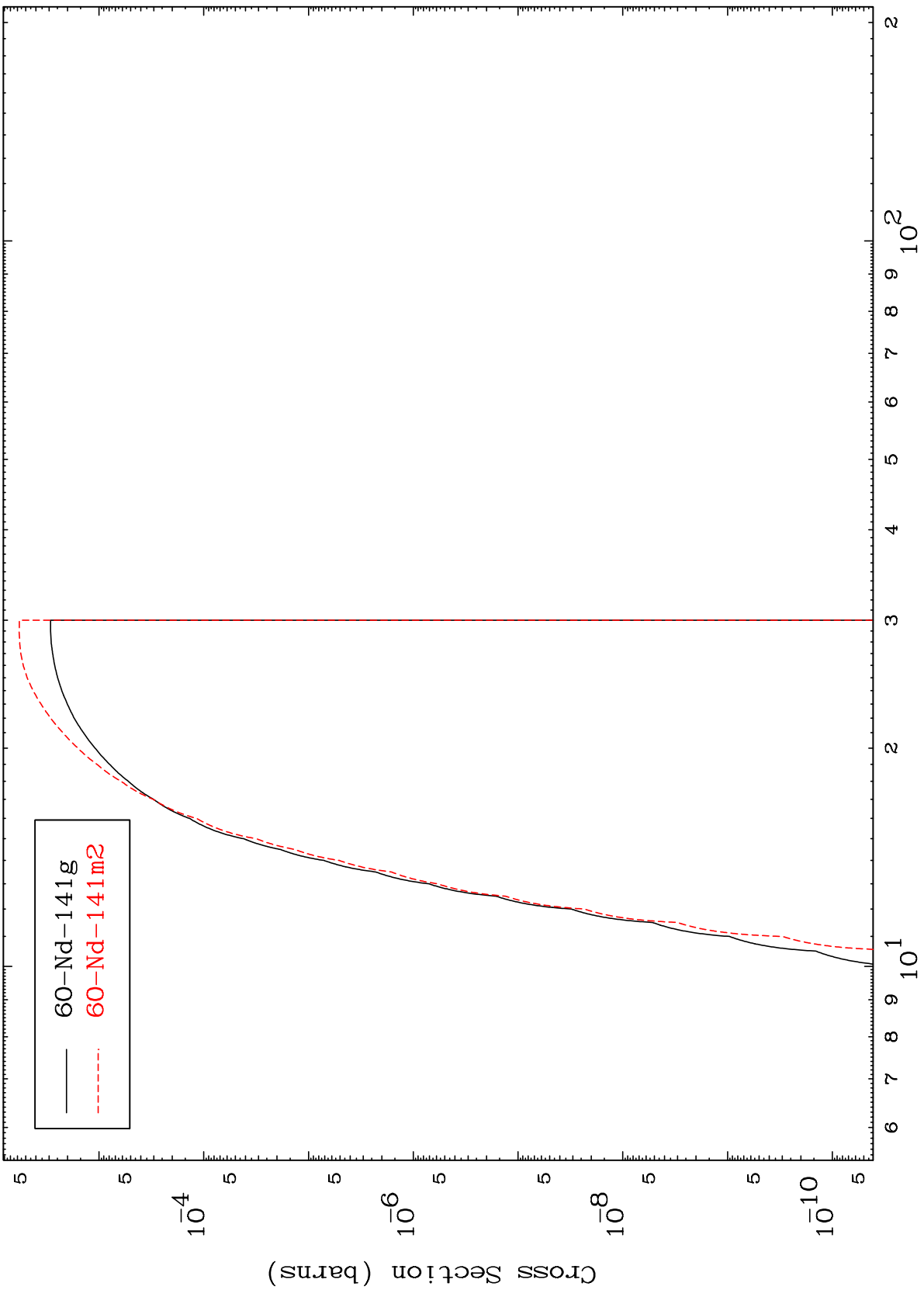
Radionuclide Production Cross Section



MAT 6137

61-Pm-143

(n,t)
Radionuclide Production Cross Section



94

Incident Energy (MeV)

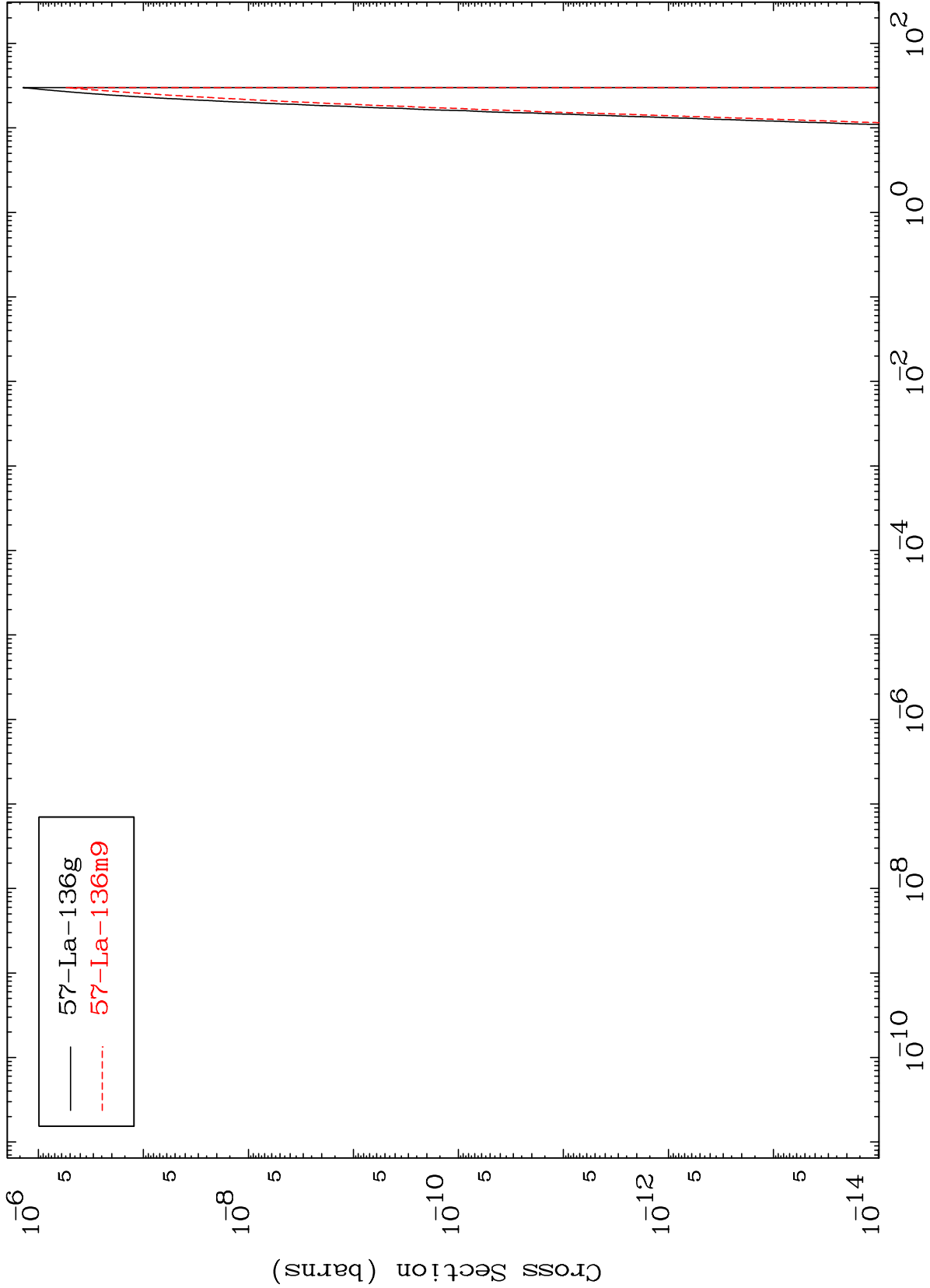
61-Pm-143

MAT 6137

(n,2α)

61-Pm-143

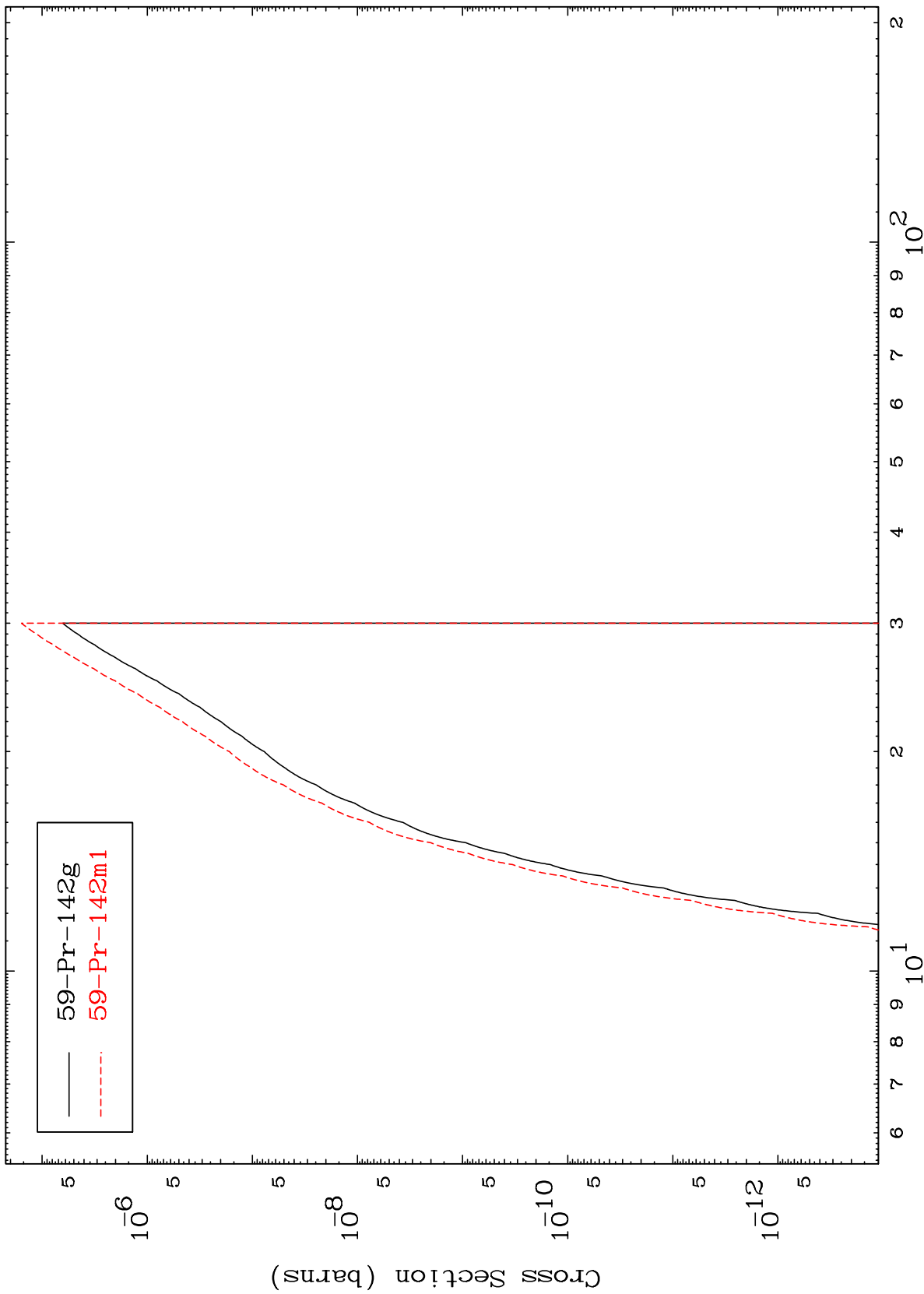
Radionuclide Production Cross Section



MAT 6137

61-Pm-143

(n,2p)
Radionuclide Production Cross Section



96

Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,p) α

61-Pm-143

Radionuclide Production Cross Section

