

Program EVALPLOT
(Version 2021-1)

by

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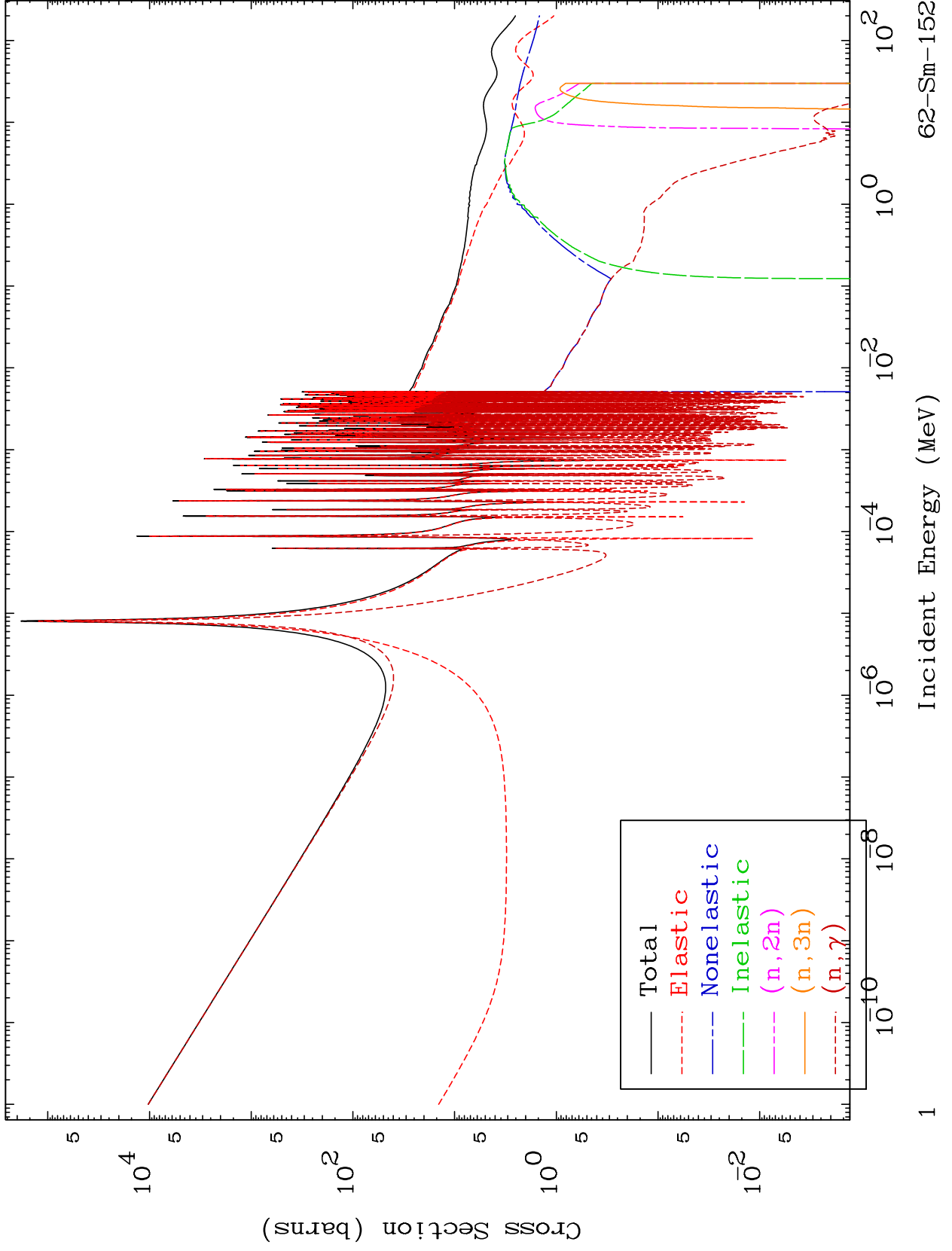
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6249

Neutron Major
293 Kelvin Cross Sections

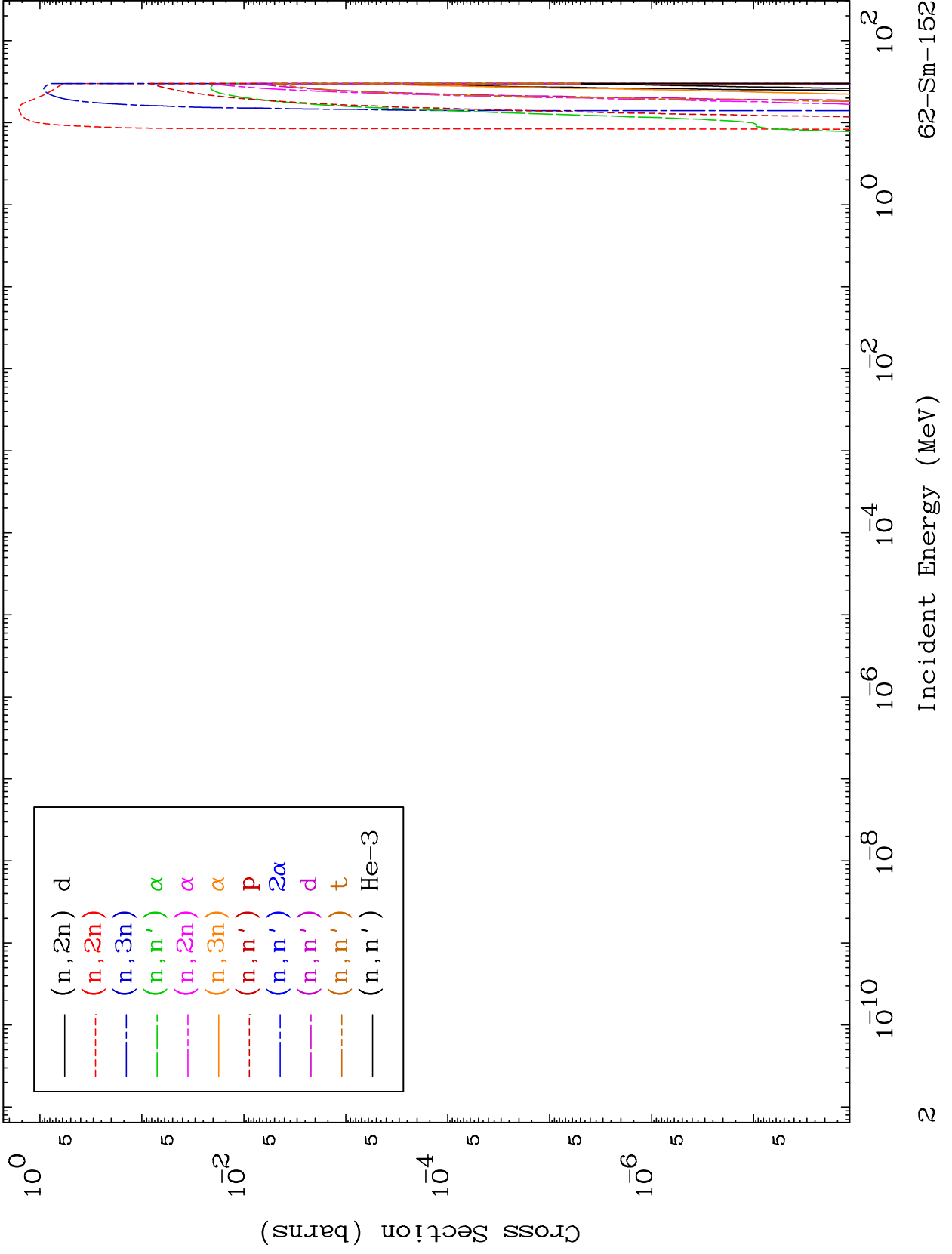
62-Sm-152



MAT 6249

Neutron Absorption
293 Kelvin Cross Sections

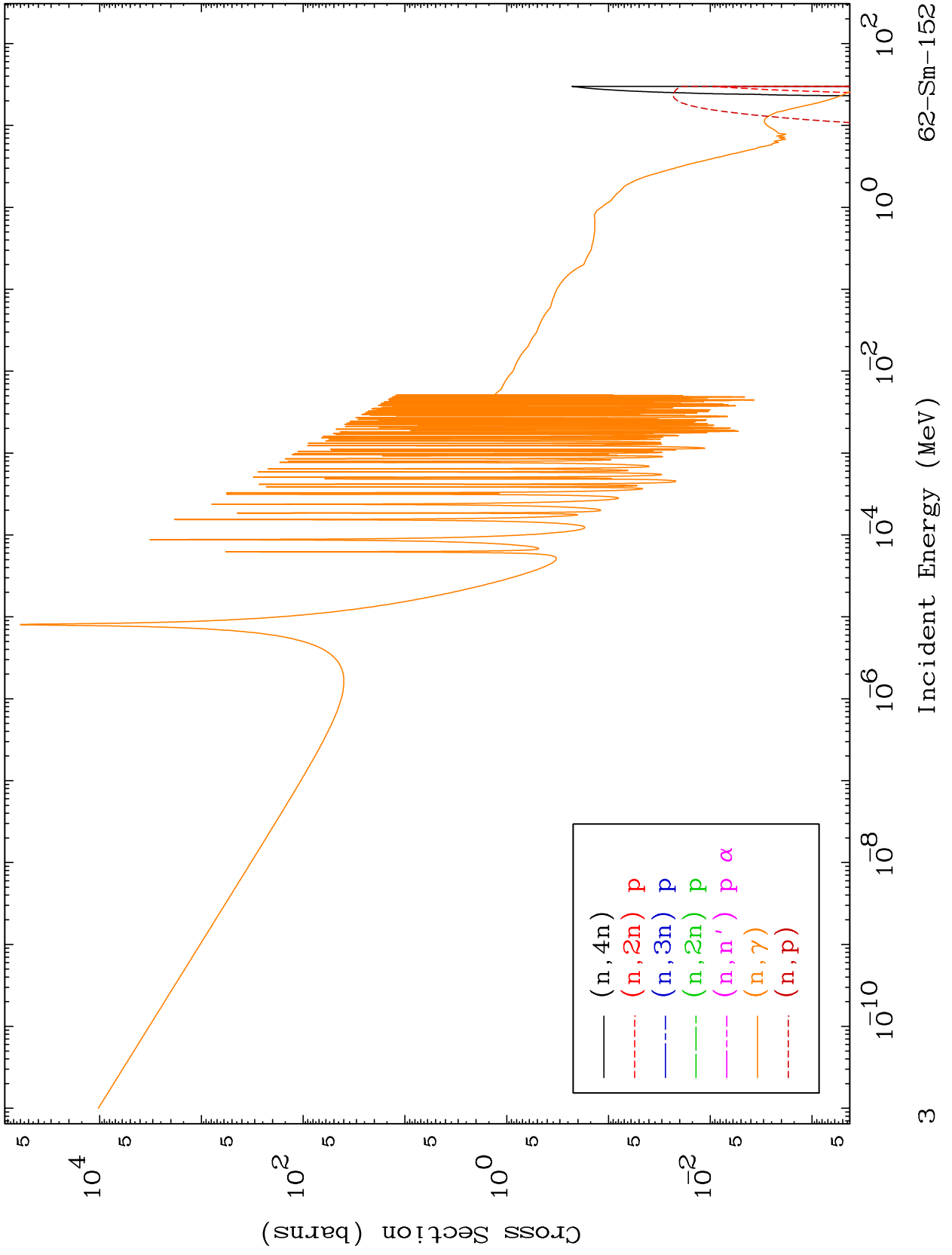
62-Sm-152



MAT 6249

Neutron Absorption
293 Kelvin Cross Sections

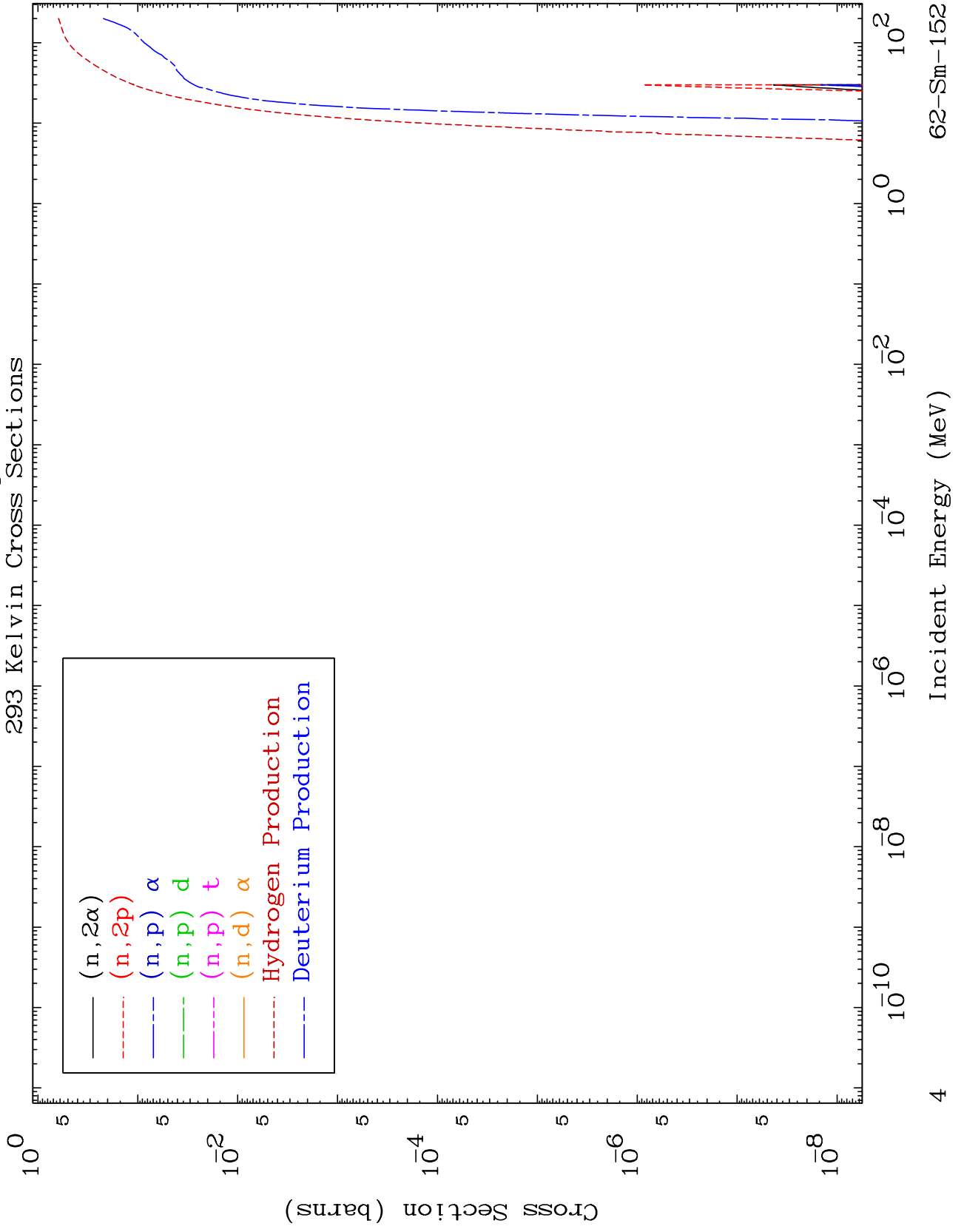
62-Sm-152



MAT 6249

Neutron Absorption
293 Kelvin Cross Sections

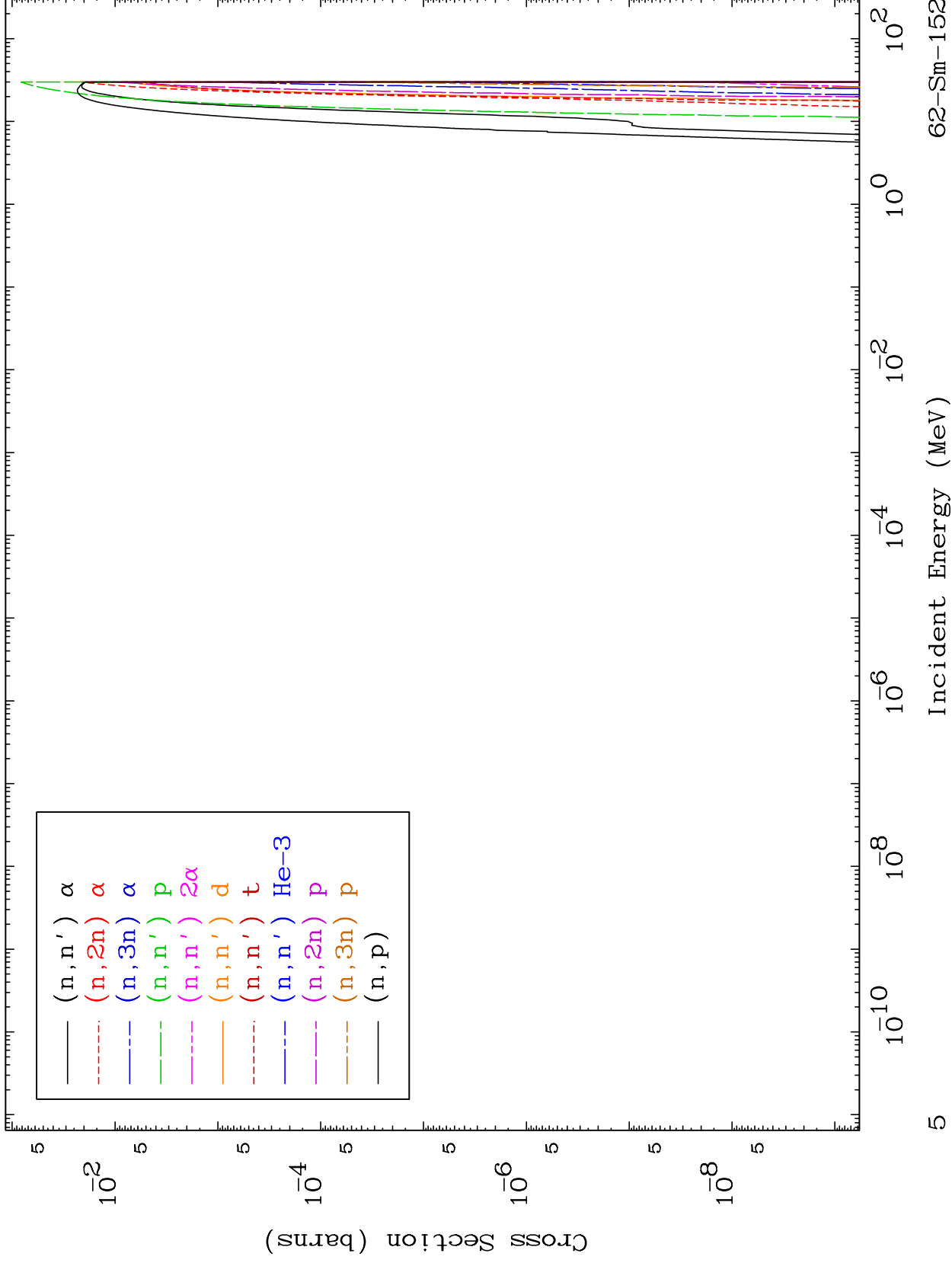
62-Sm-152



MAT 6249

Charged Particle
293 Kelvin Cross Sections

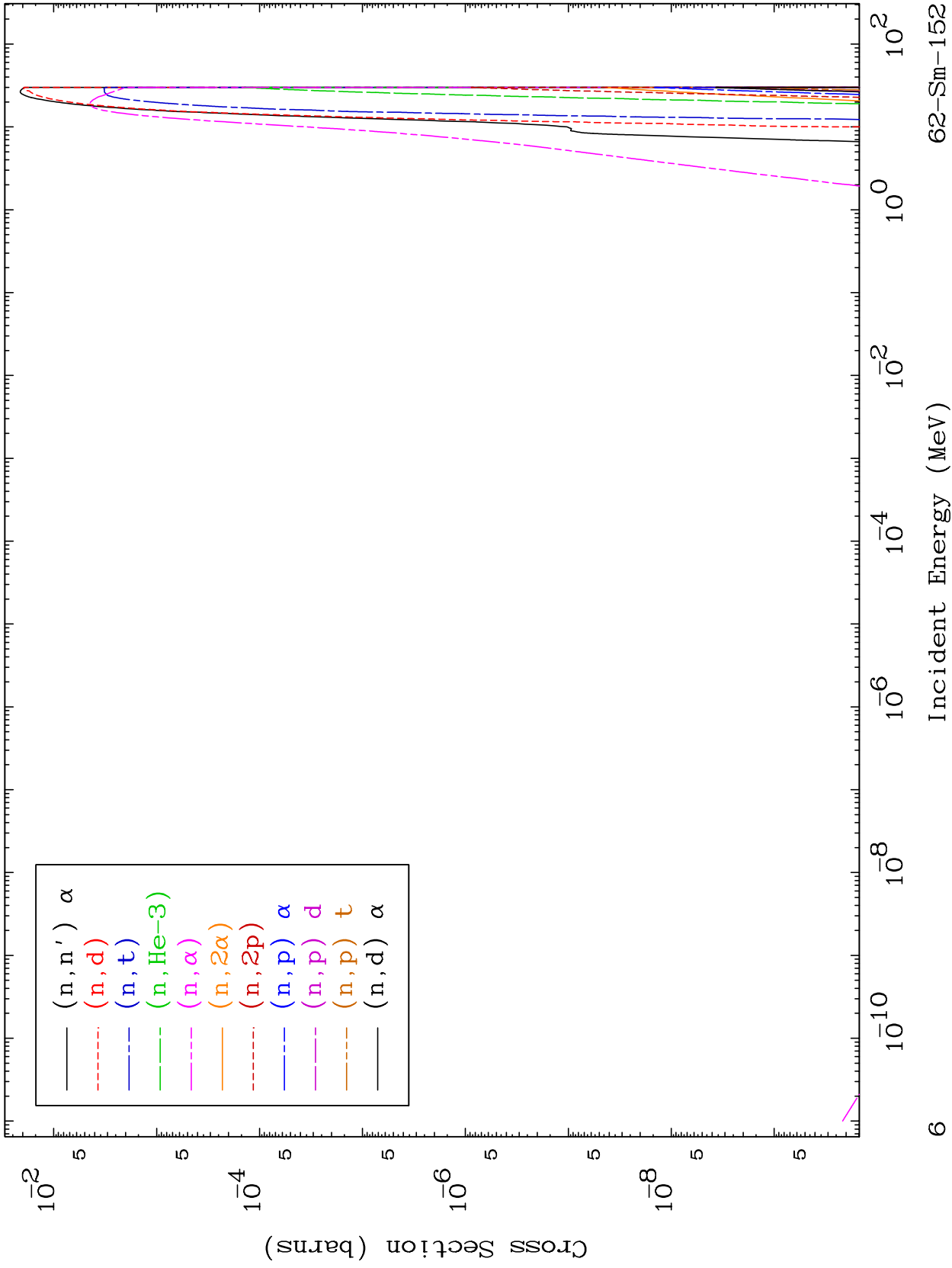
62-Sm-152



MAT 6249

Charged Particle
293 Kelvin Cross Sections

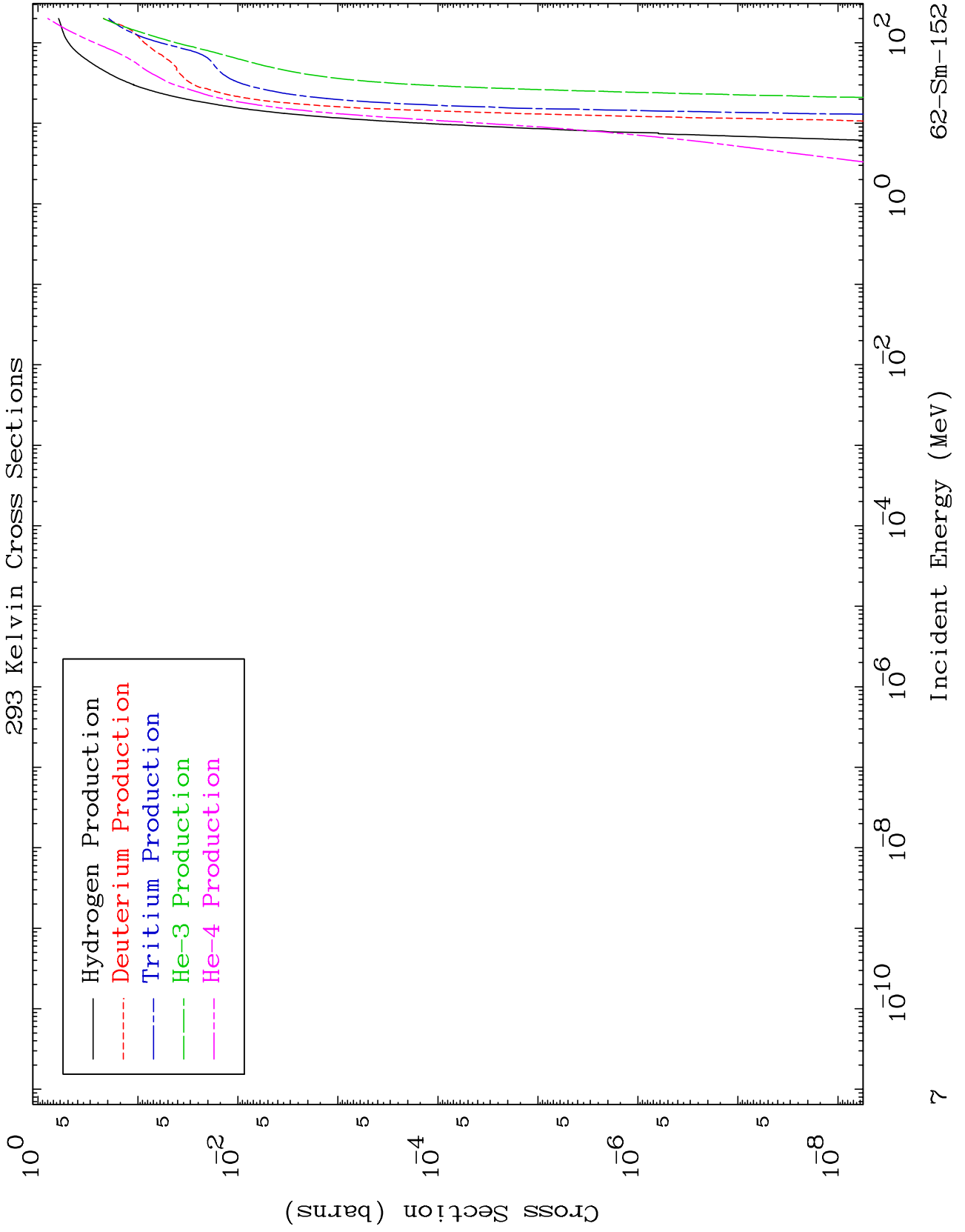
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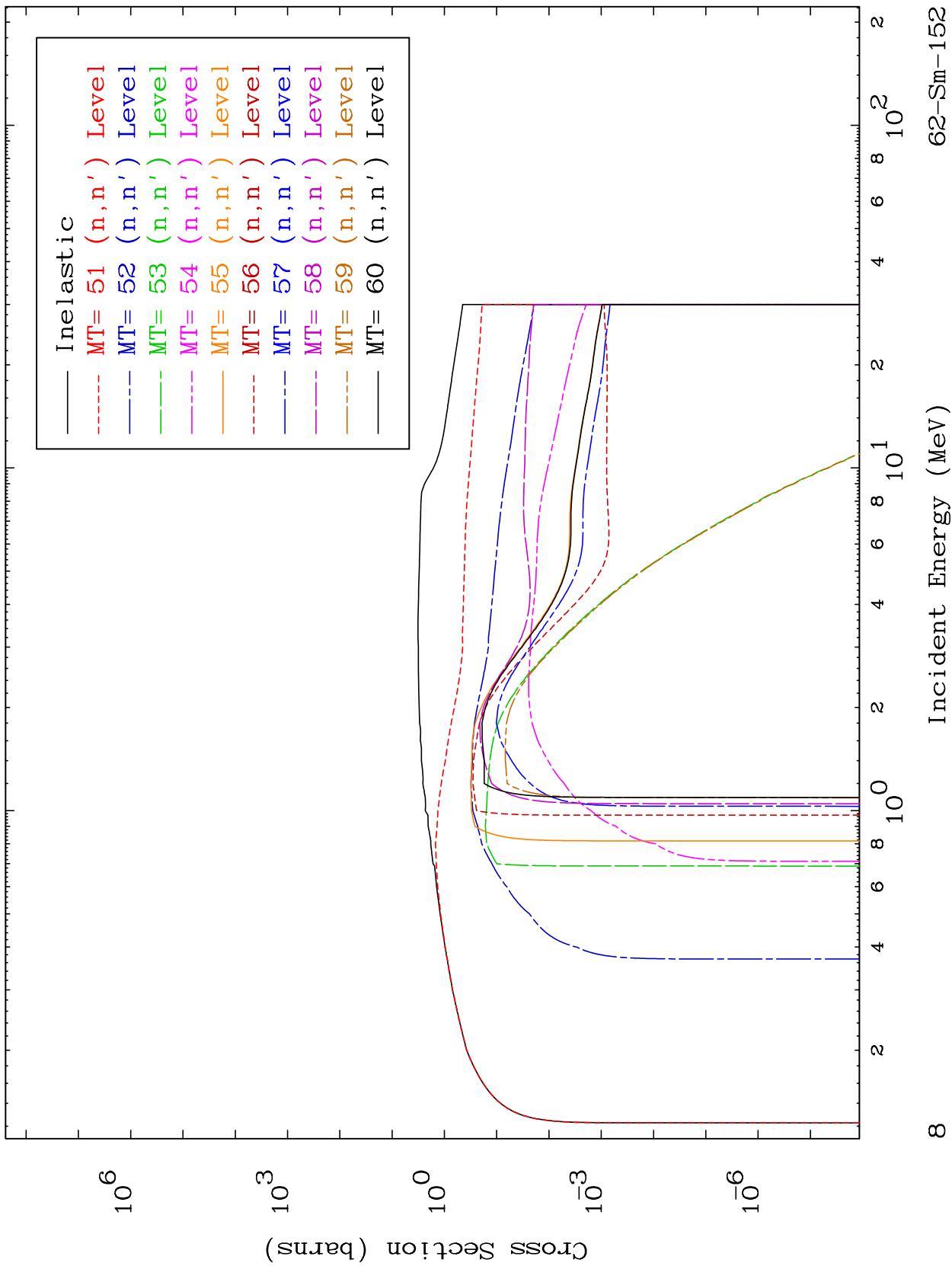


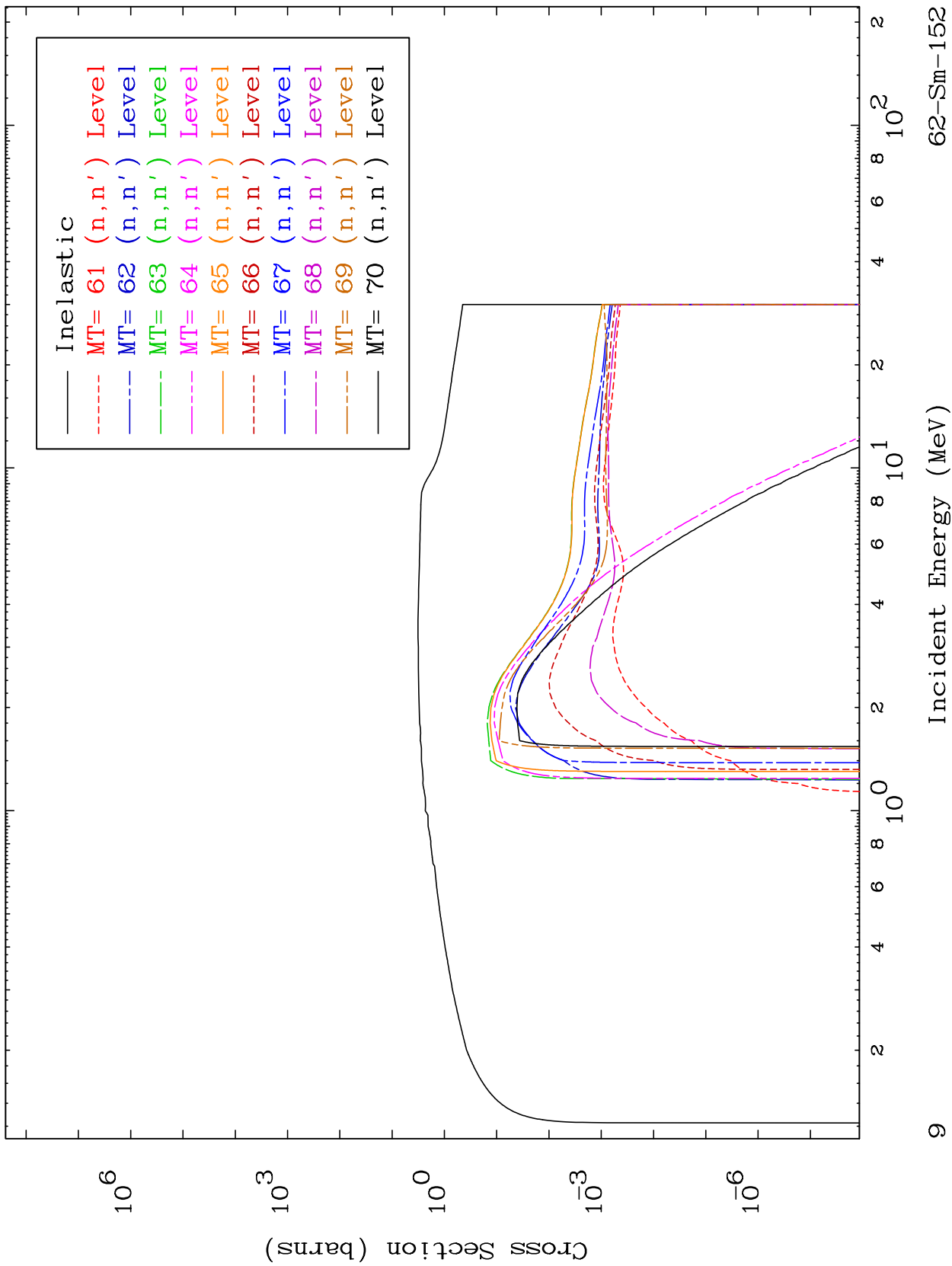
MAT 6249

Particle Production
293 Kelvin Cross Sections

62-Sm-152





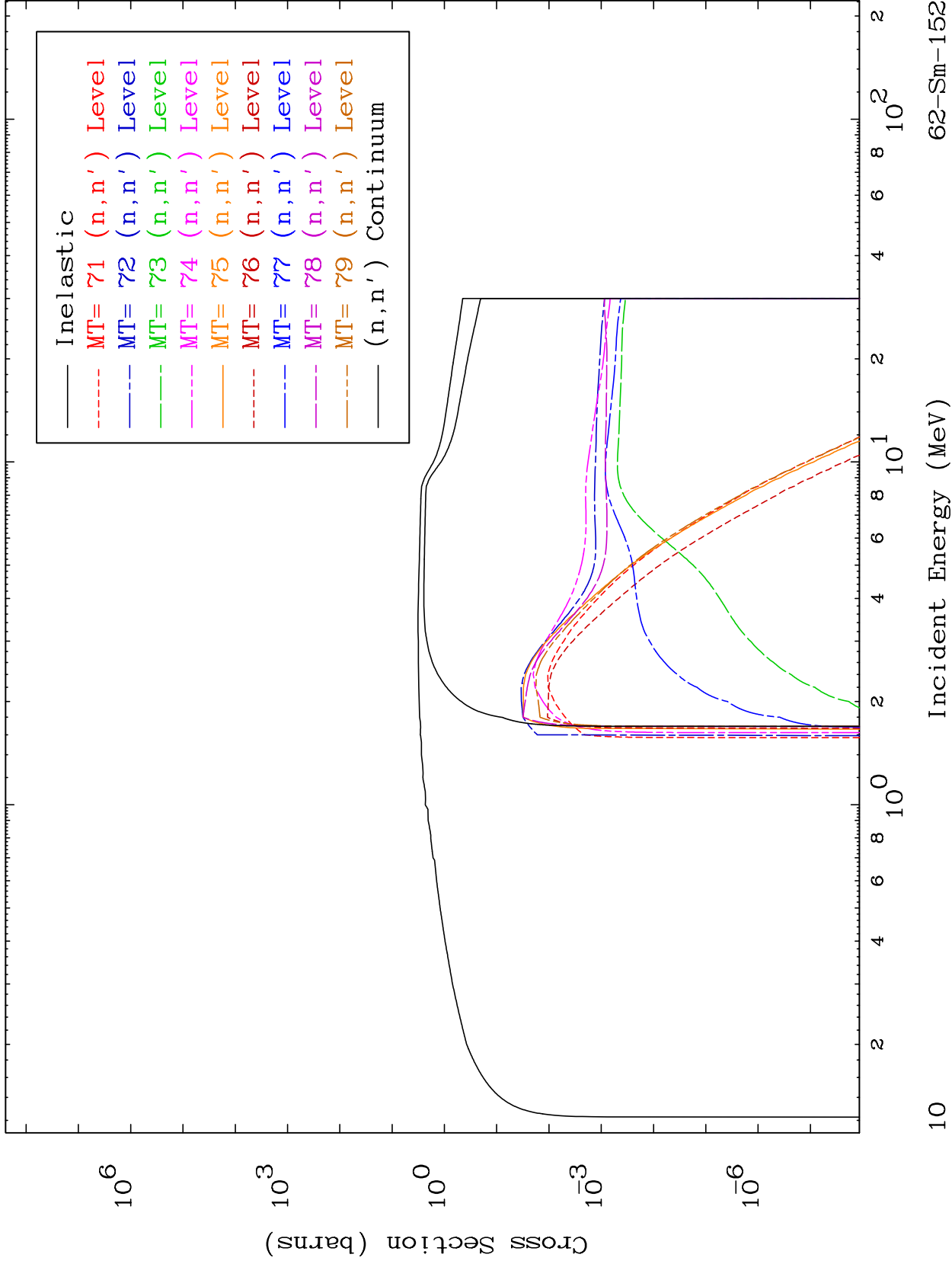


MAT 6249

(n,n') Levels

62-Sm-152

293 Kelvin Cross Sections



10

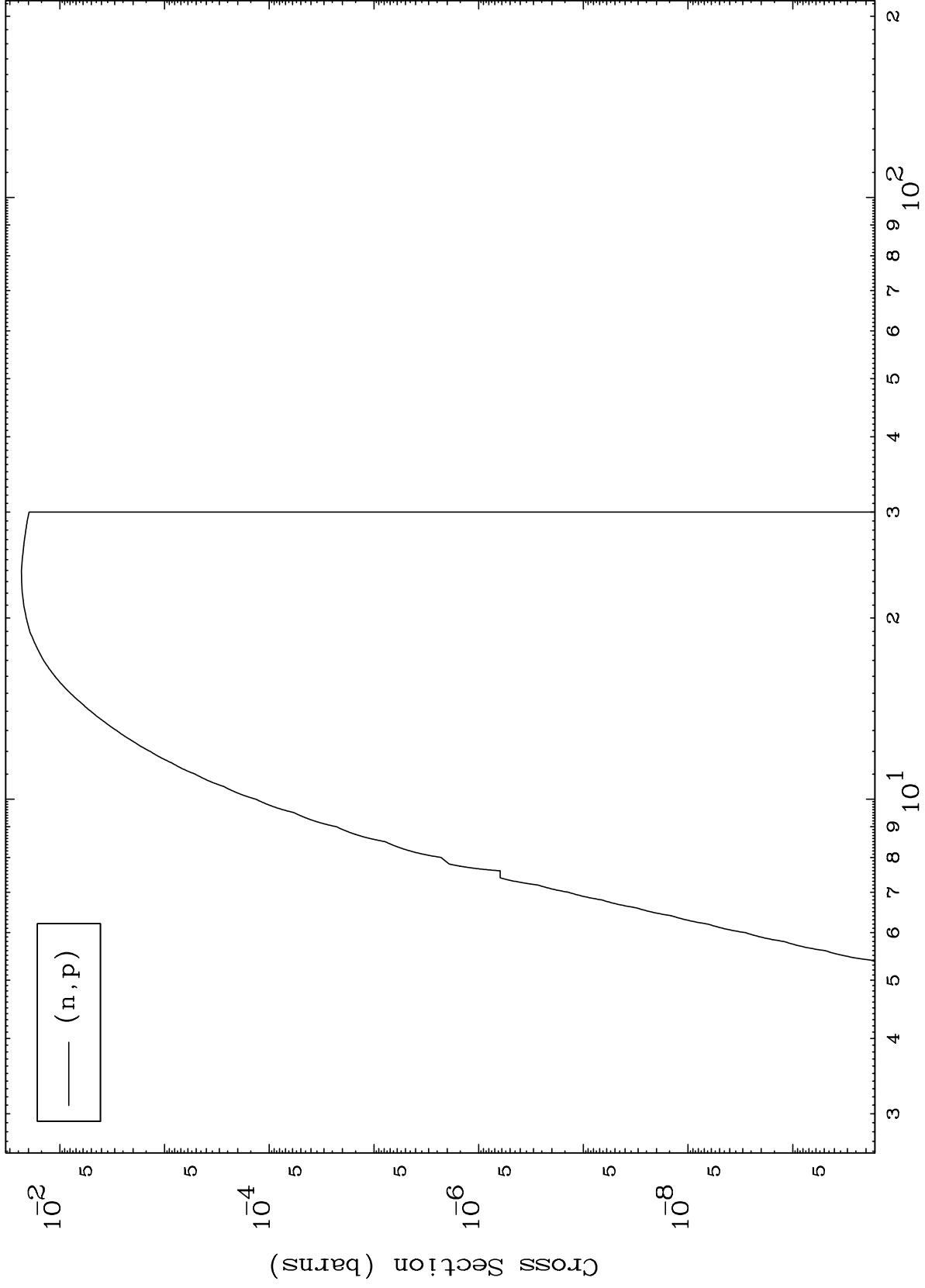
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,p) Levels
293 Kelvin Cross Sections

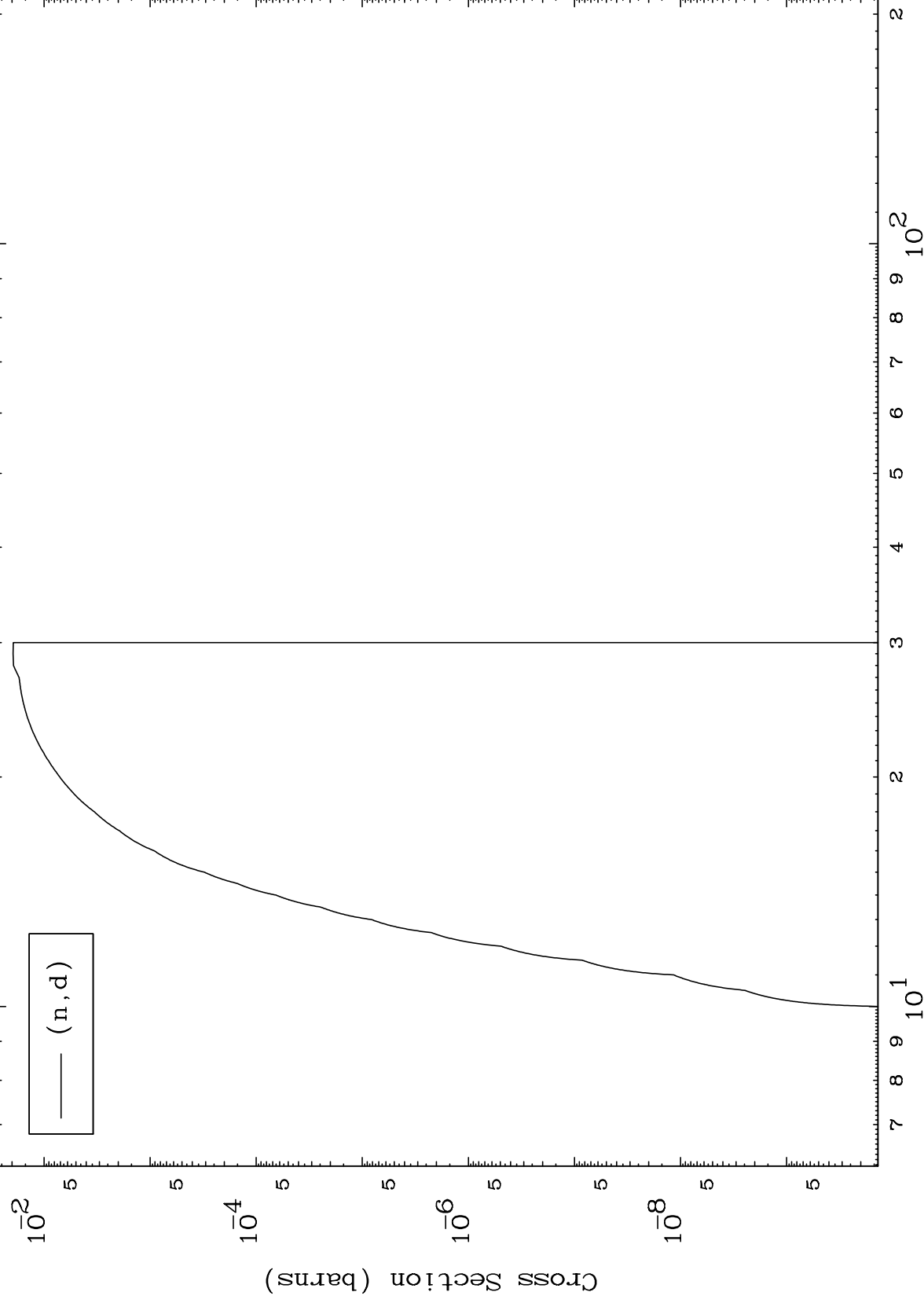
62-Sm-152



MAT 6249

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-152



12

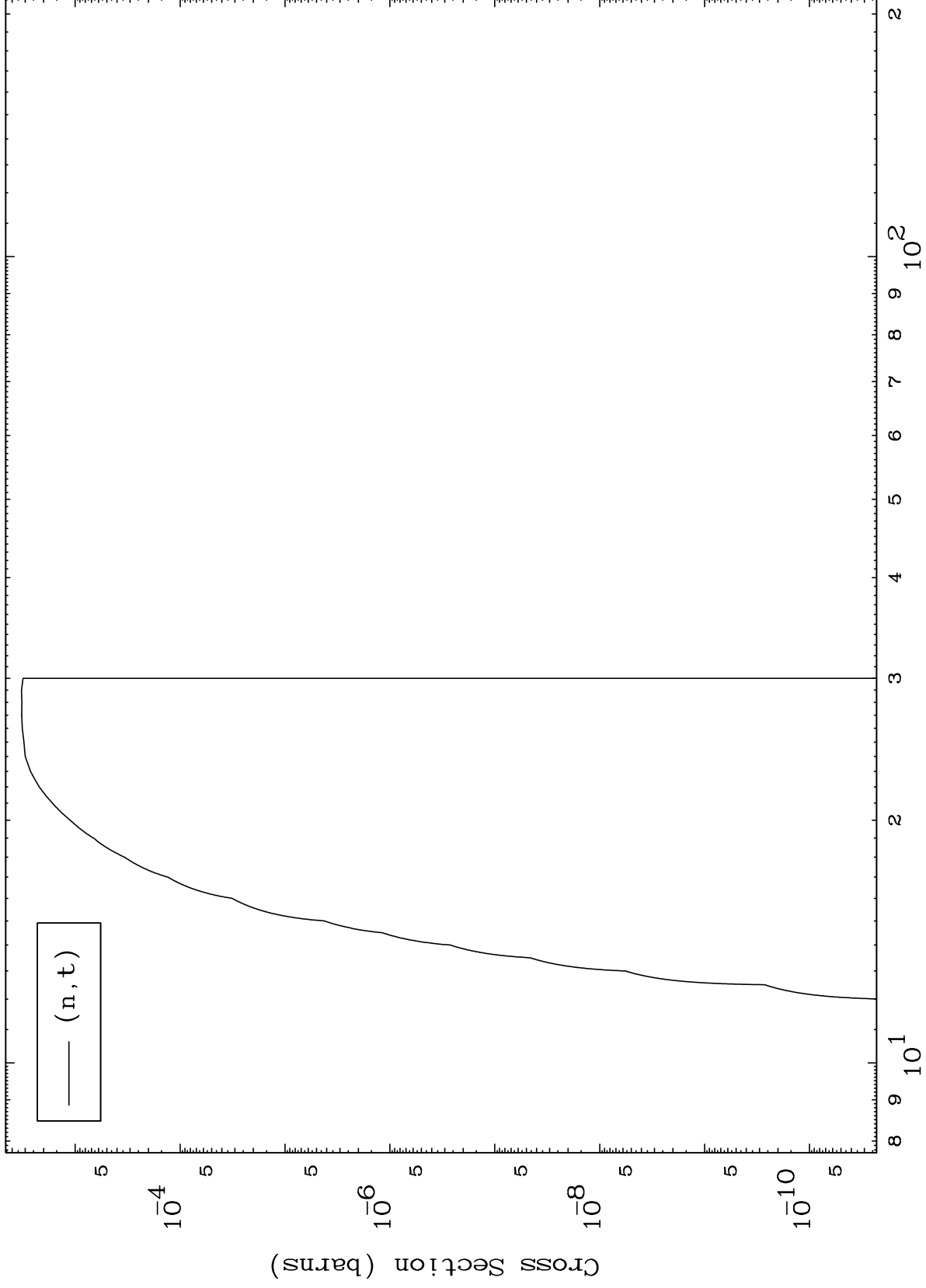
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-152



13

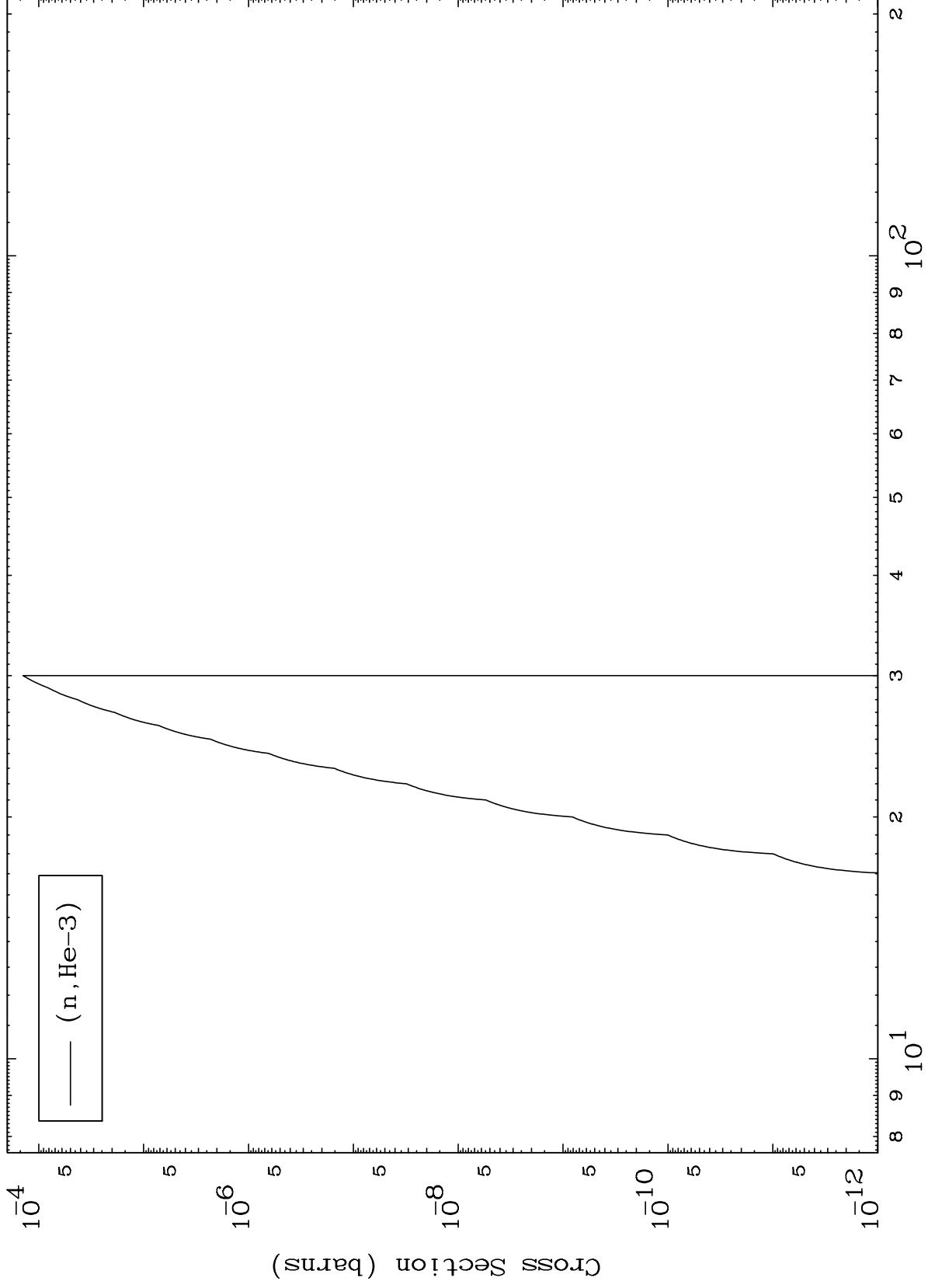
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-152



(n, He-3)

14

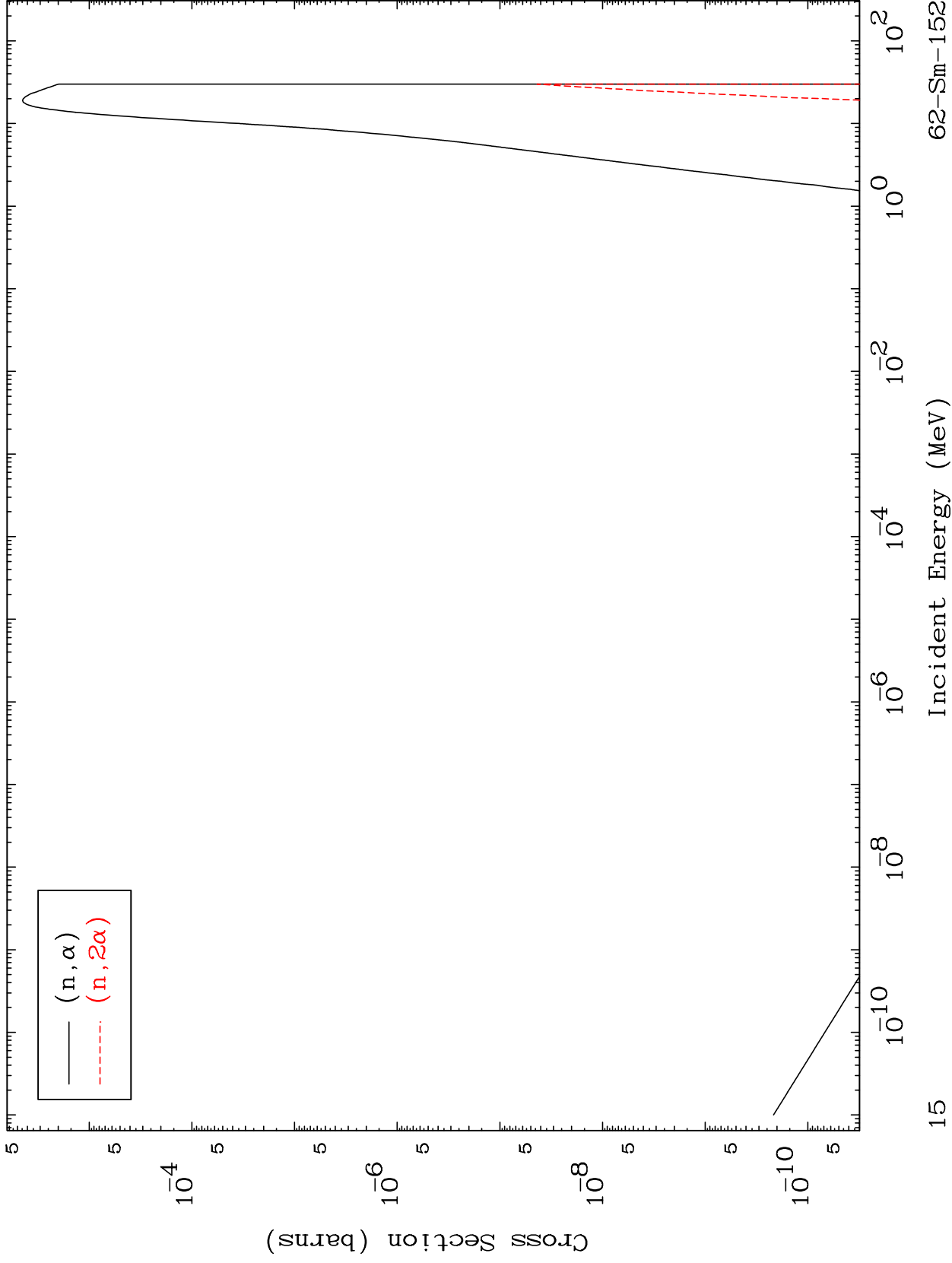
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n, α) Levels
293 Kelvin Cross Sections

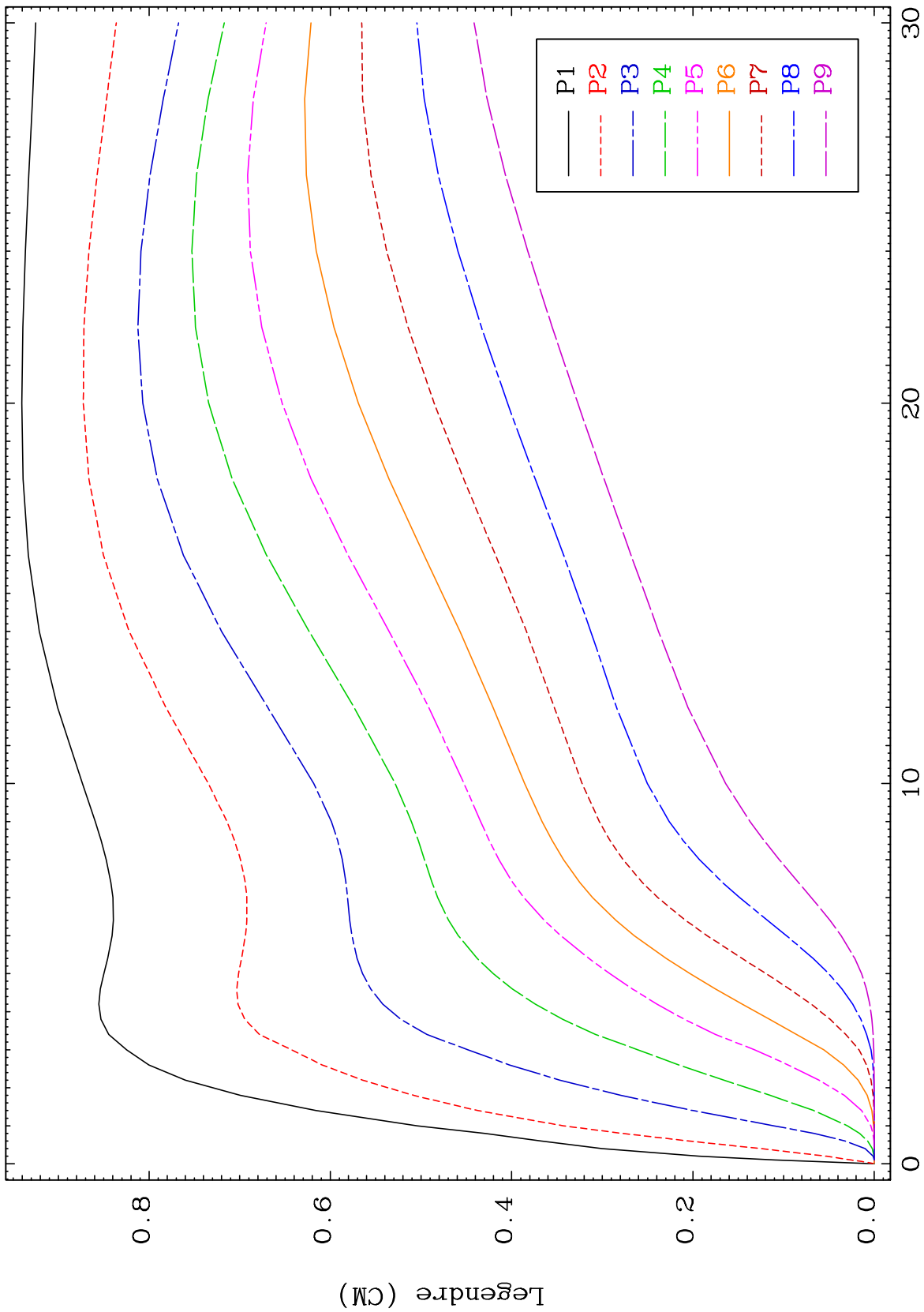
62-Sm-152



MAT 6249

62-Sm-152

Elastic Legendre Coefficients



62-Sm-152

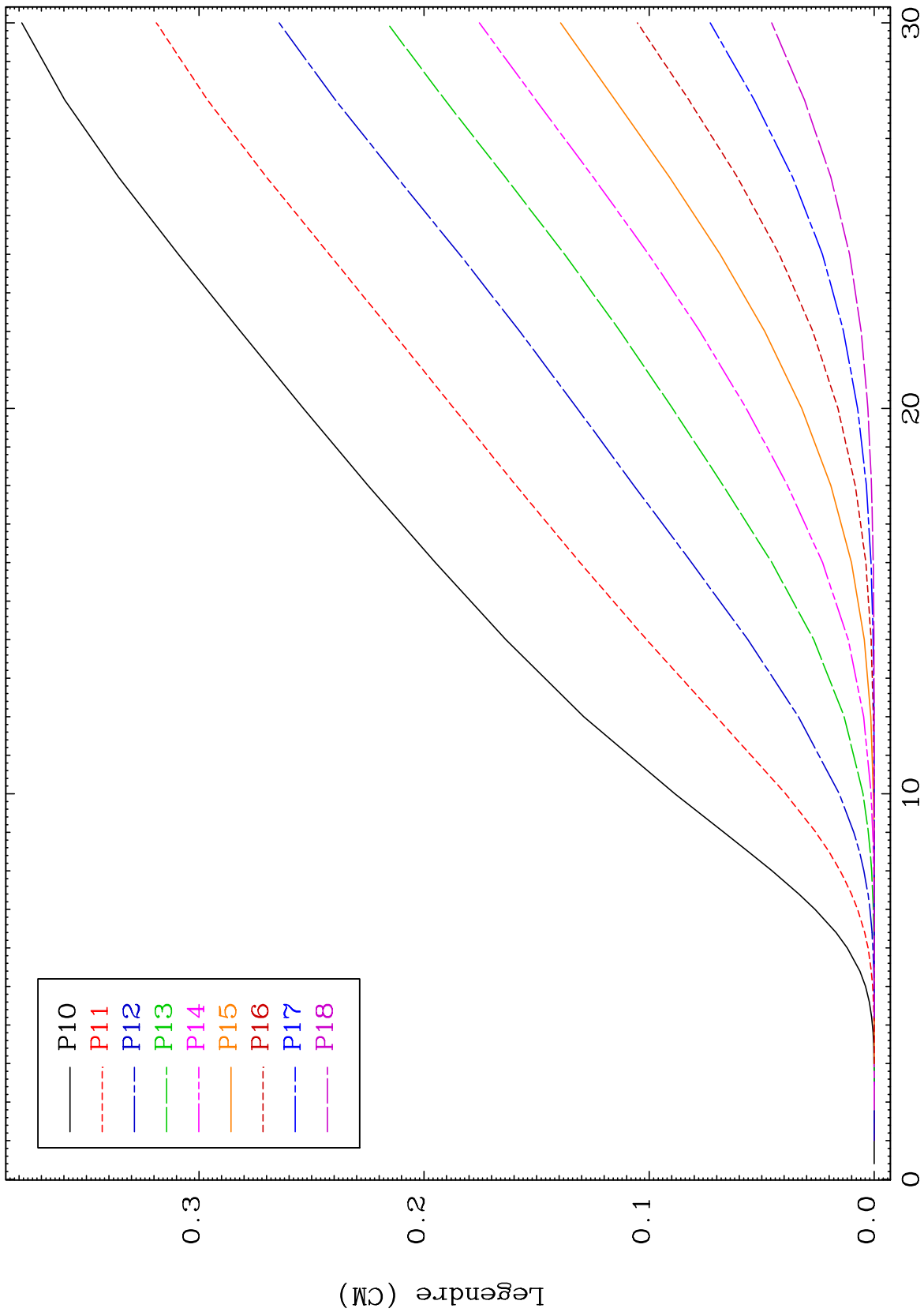
Incident Energy (MeV)

16

MAT 6249

Elastic Legendre Coefficients

62-Sm-152



17

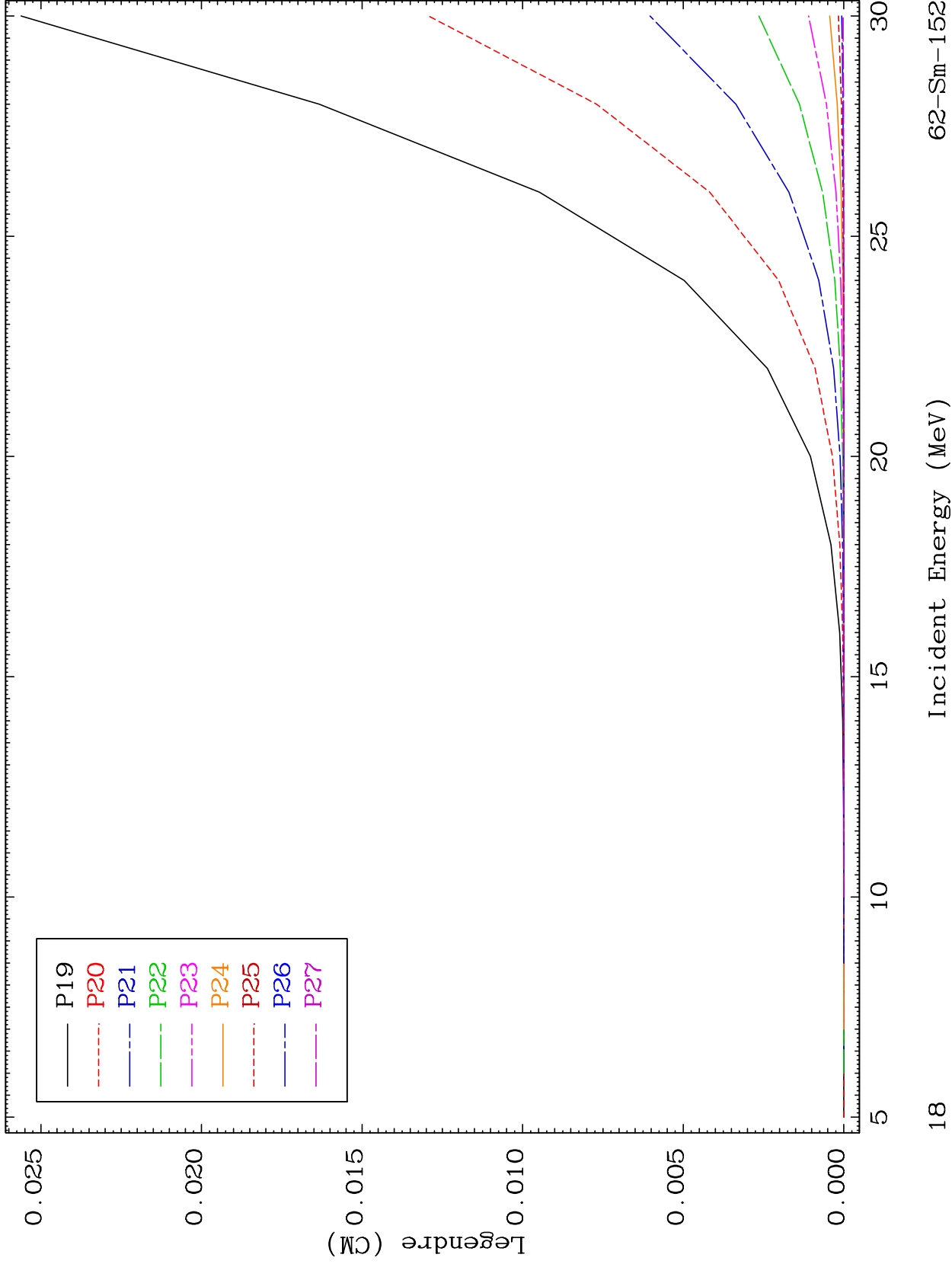
Incident Energy (MeV)

62-Sm-152

MAT 6249

Elastic Legendre Coefficients

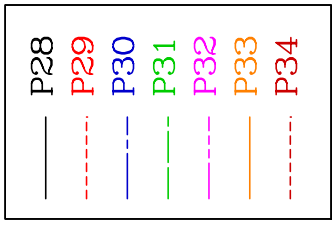
62-Sm-152



MAT 6249

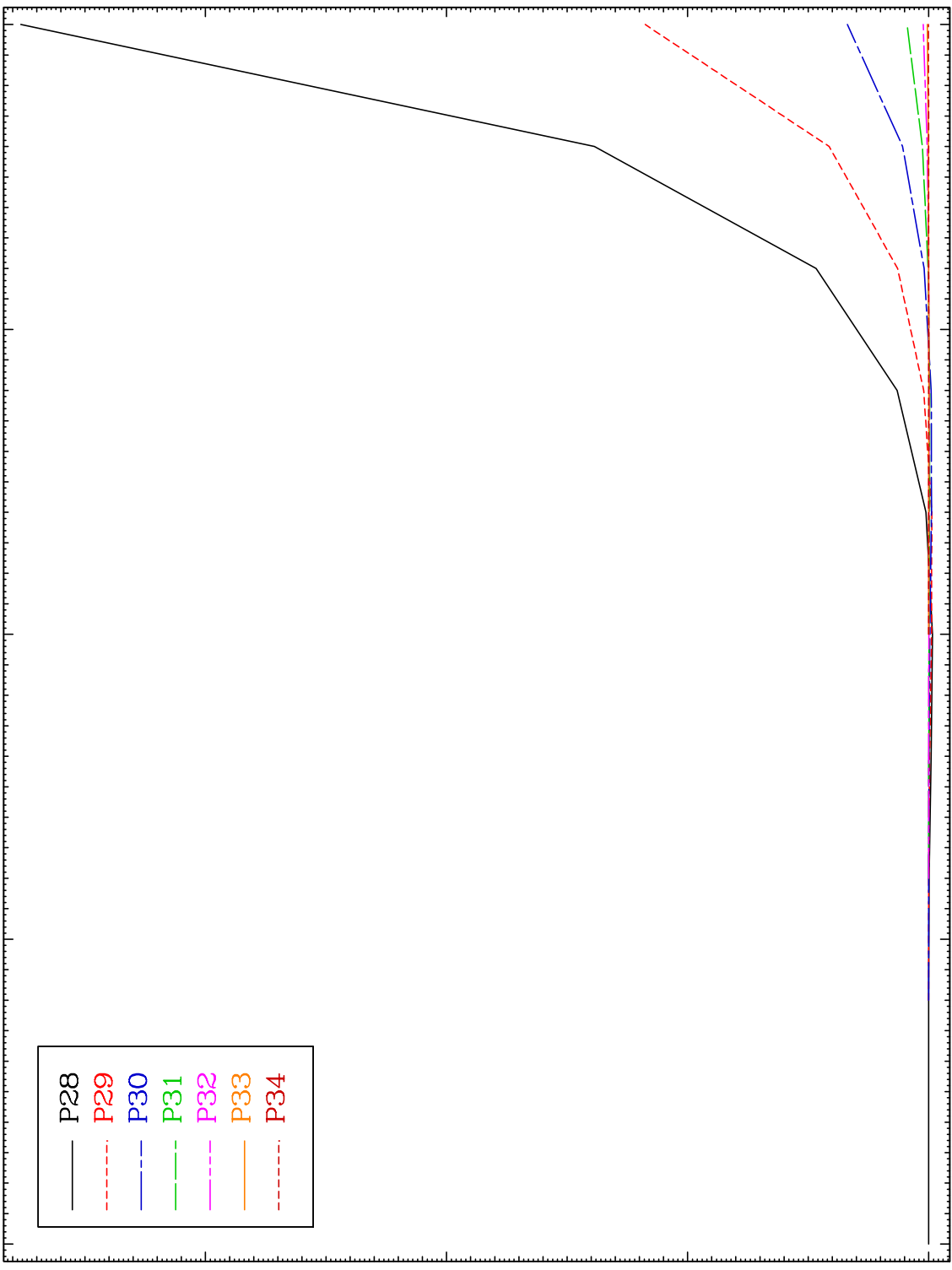
Elastic Legendre Coefficients

62-Sm-152



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

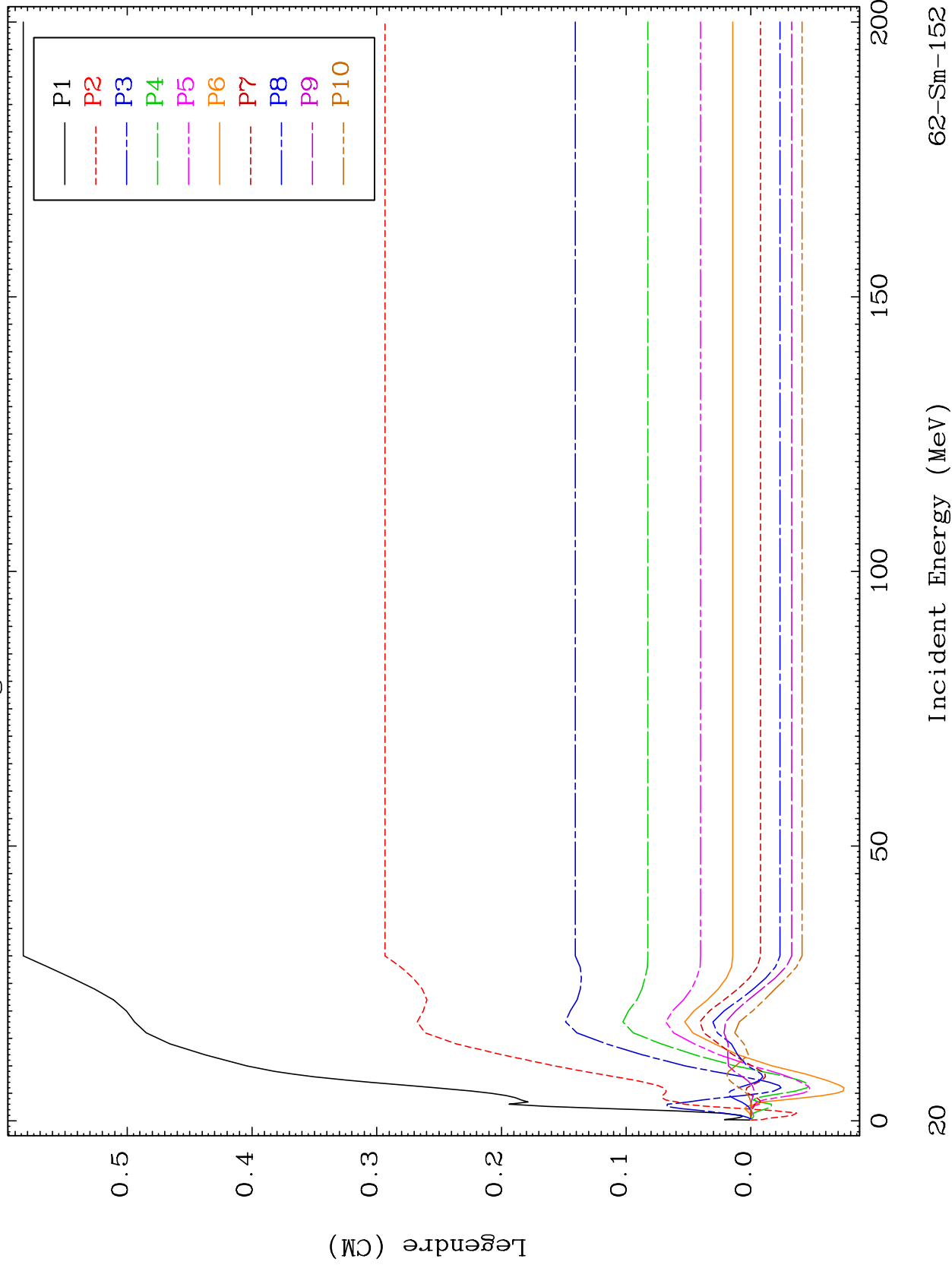
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

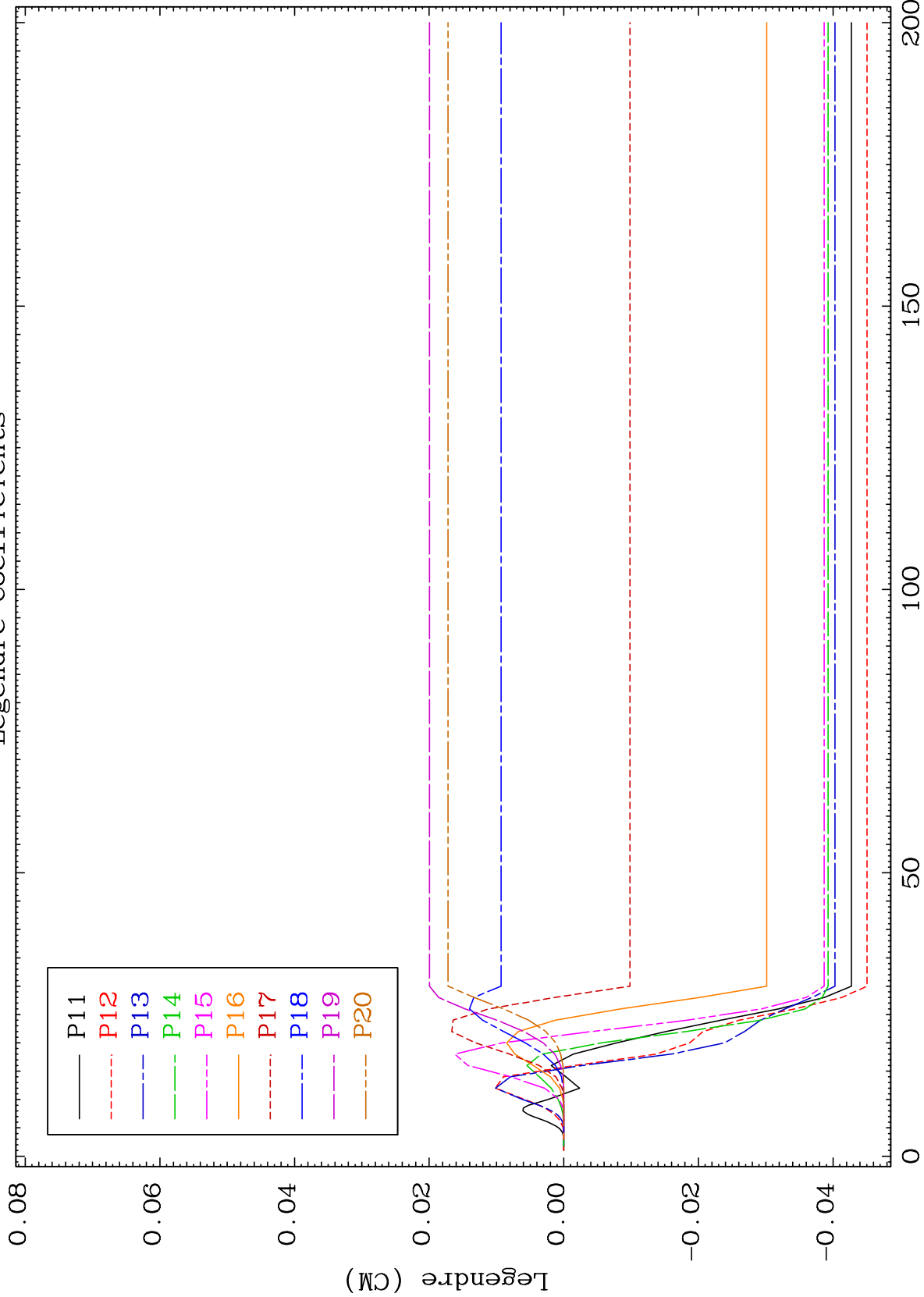
Incident Energy (MeV)

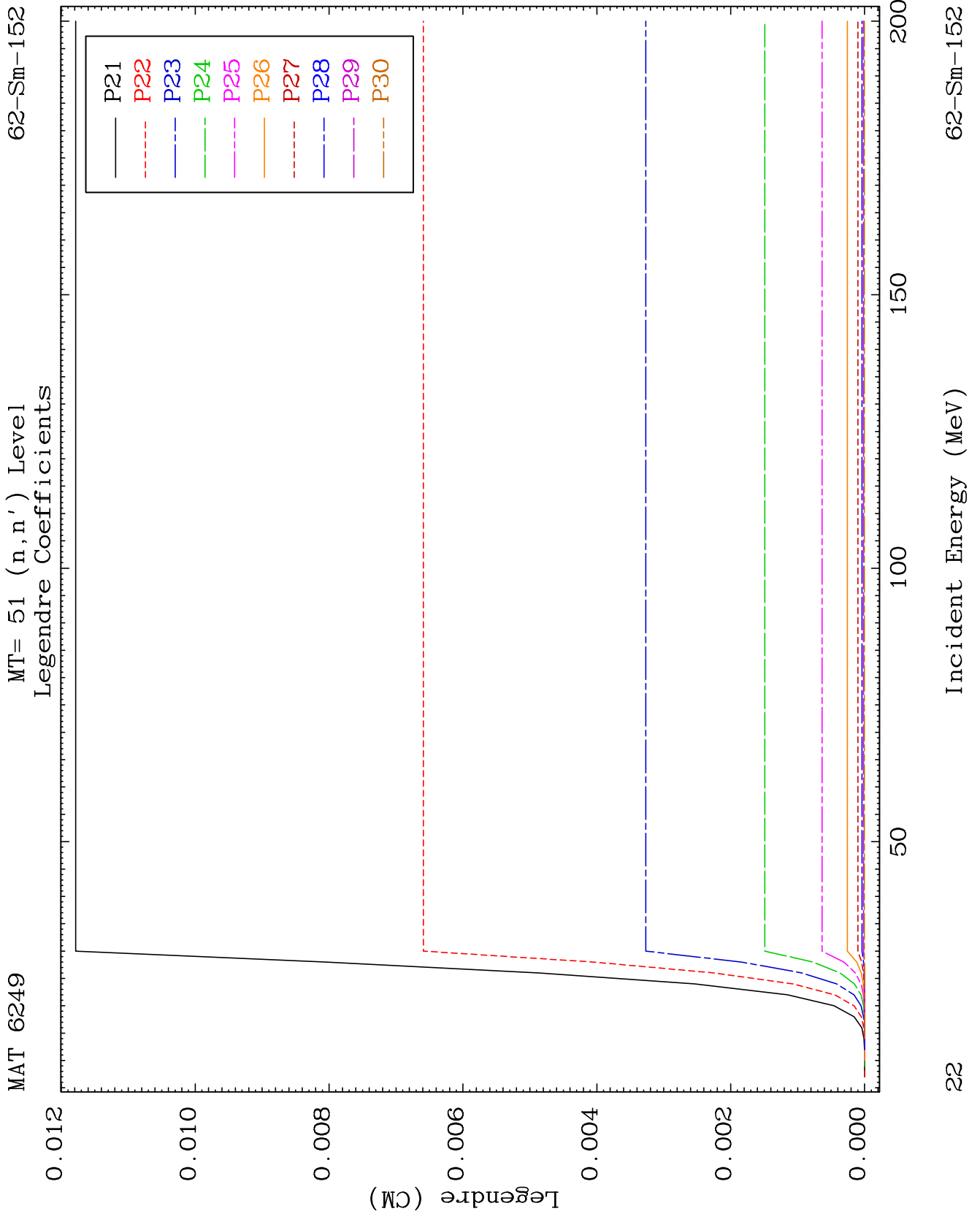
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MAT 6249

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

62-Sm-152

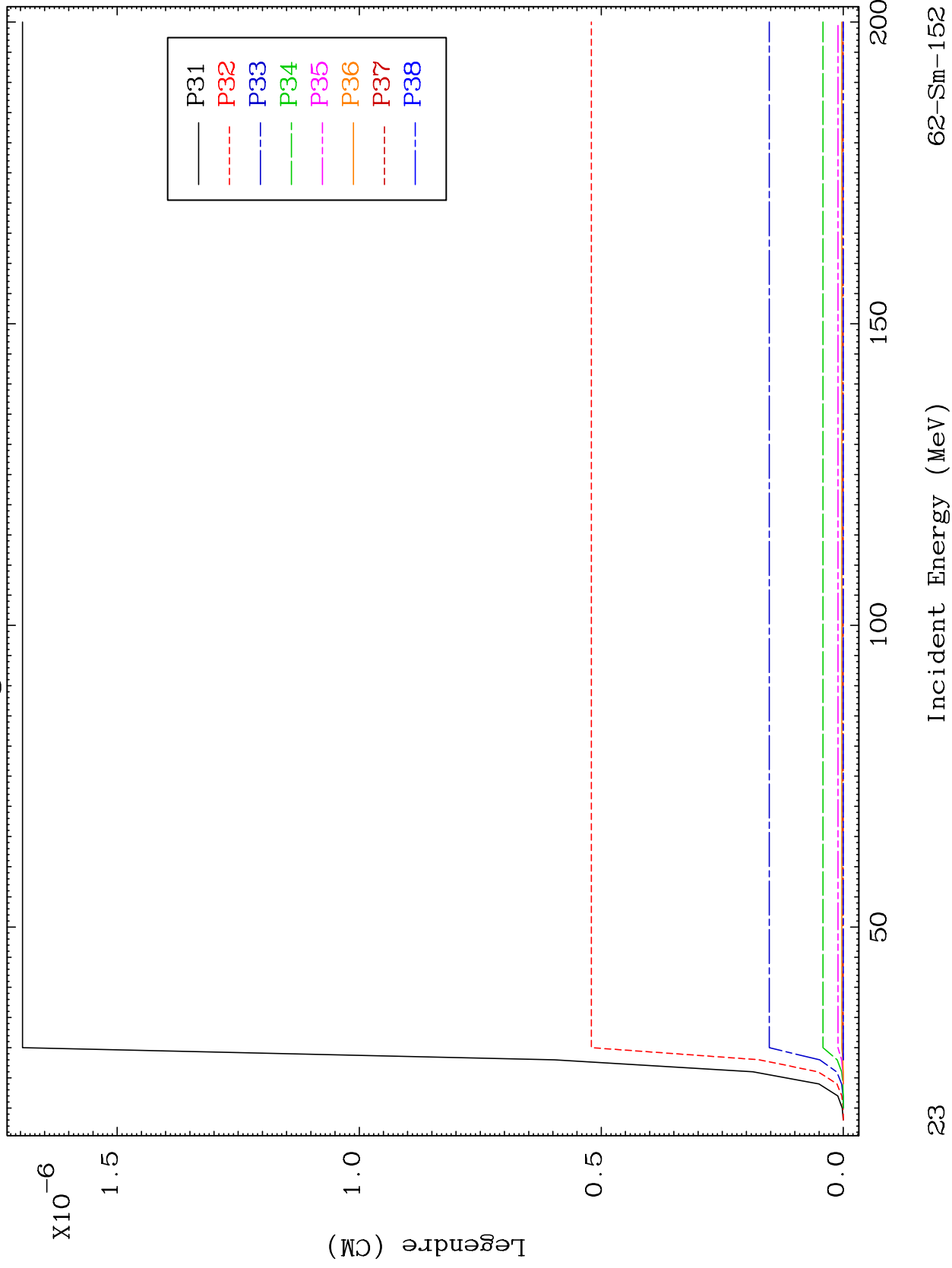




MAT 6249

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

62-Sm-152



23

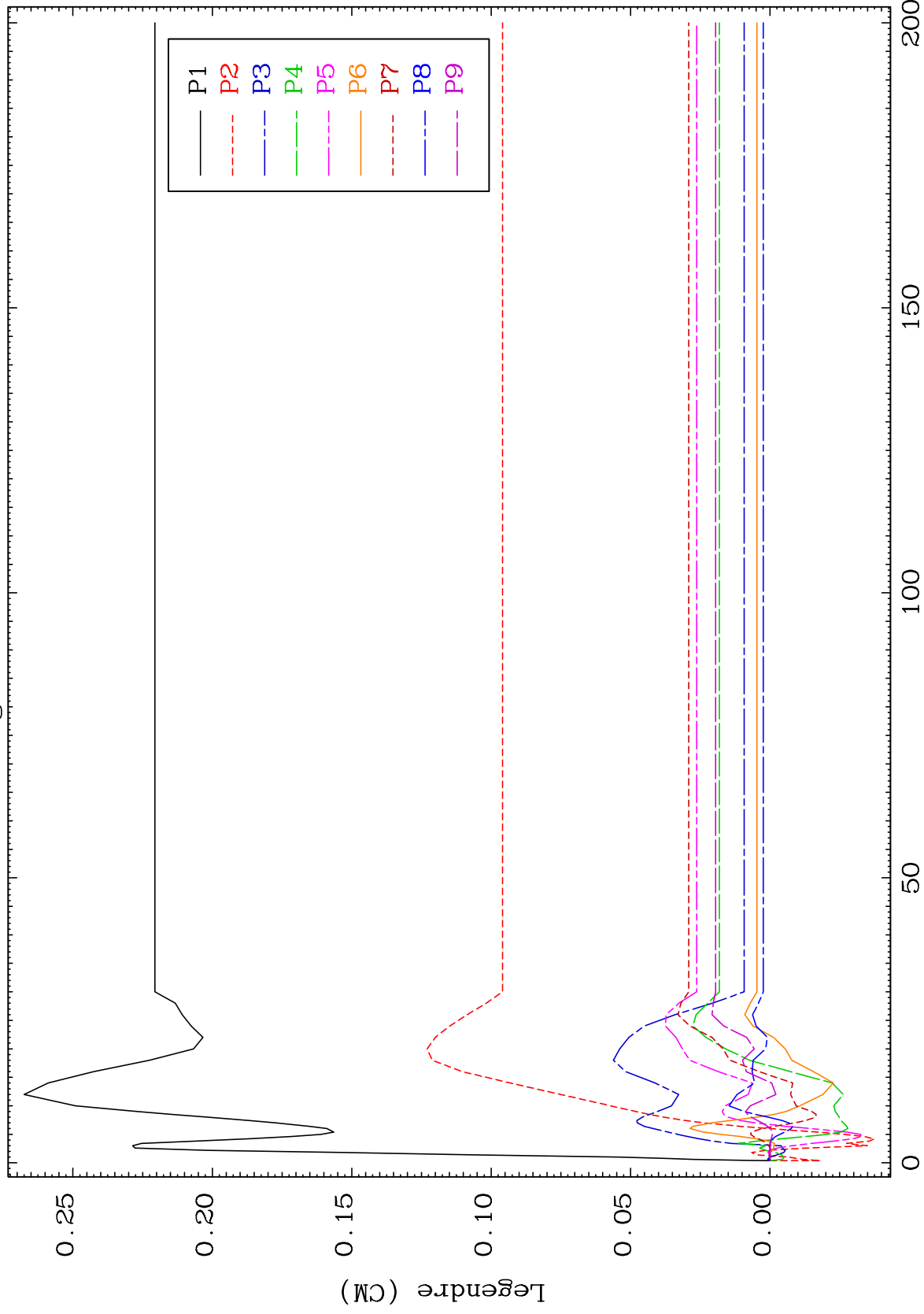
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



24

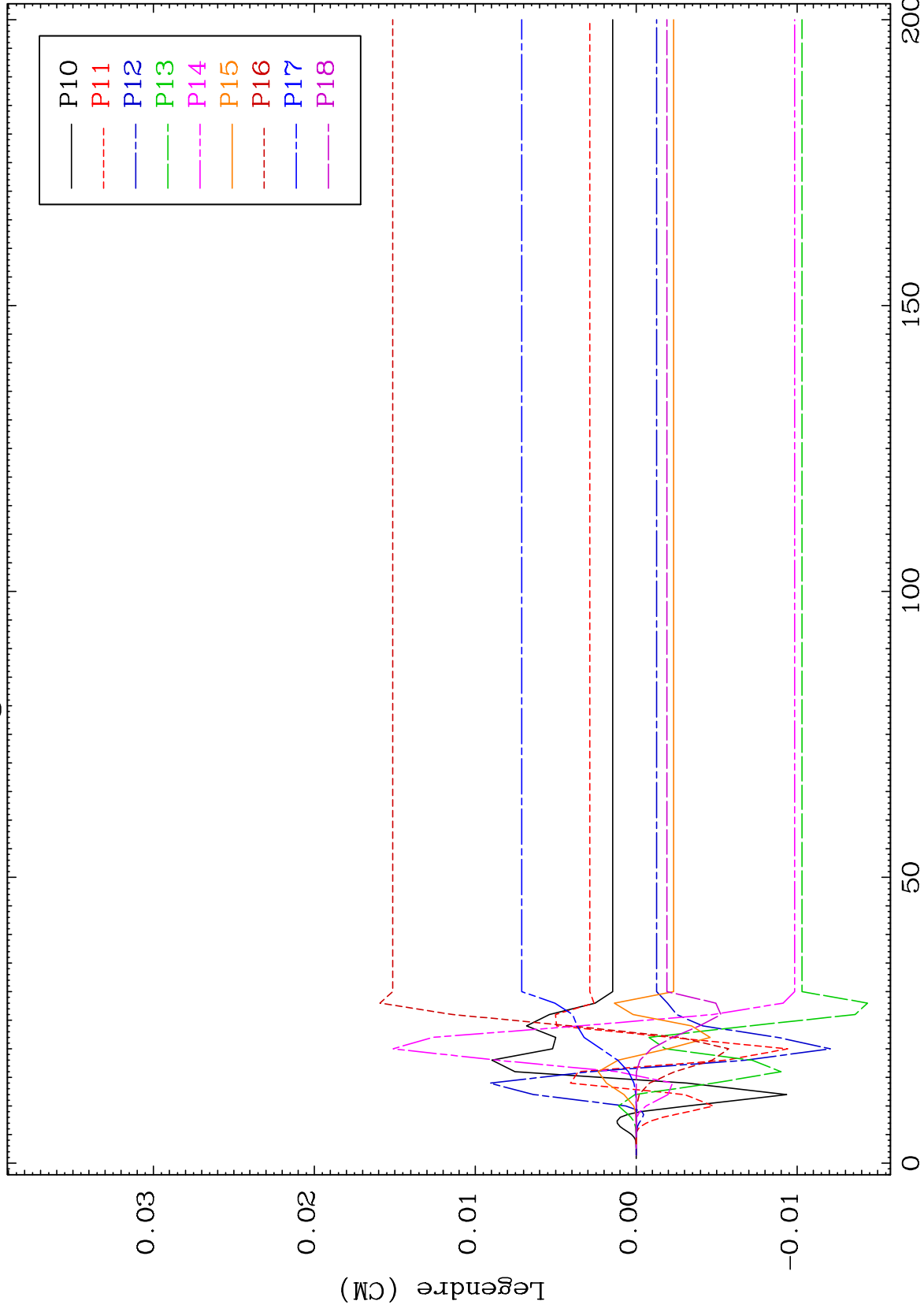
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

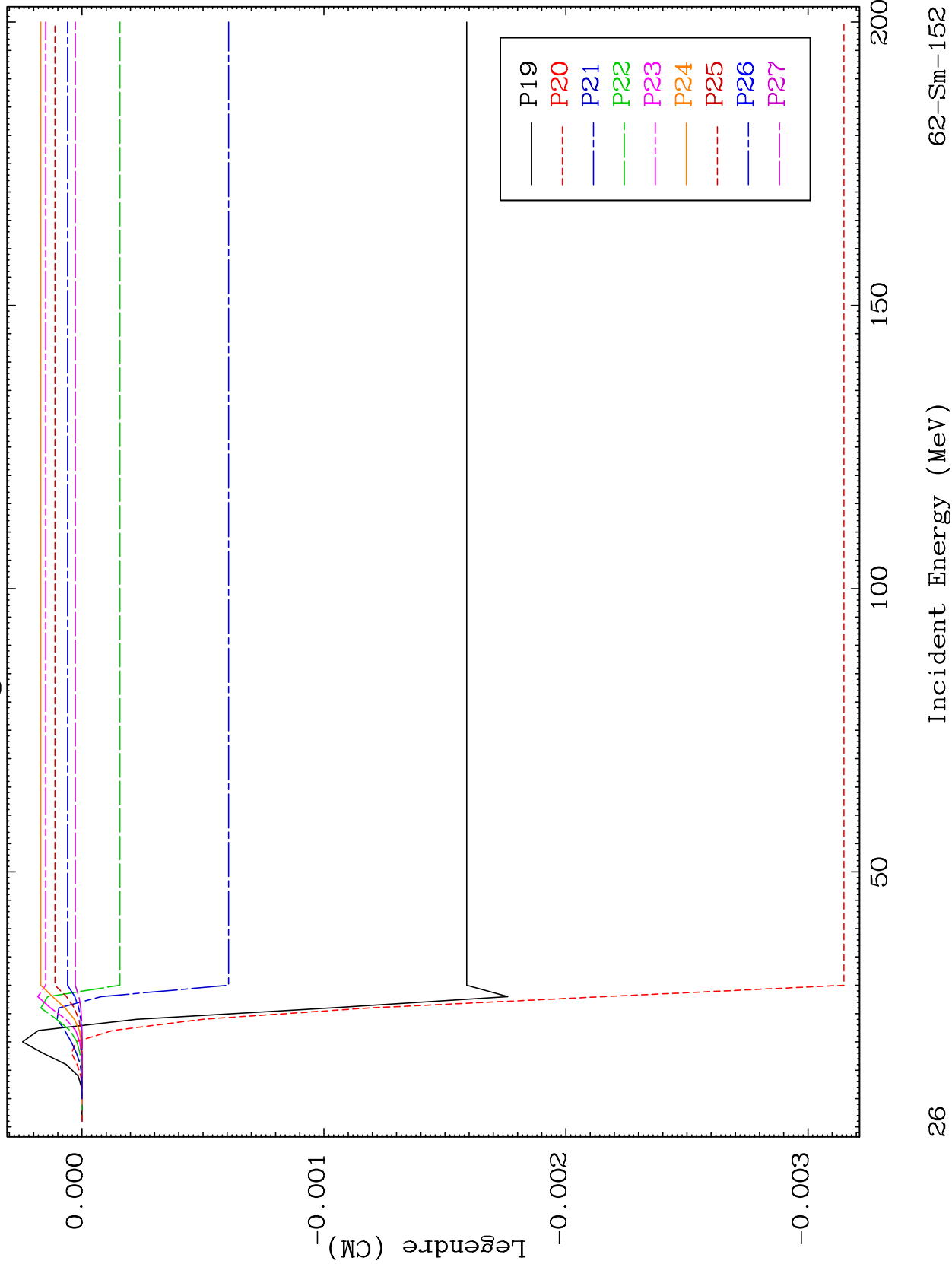
Incident Energy (MeV)

25

MAT 6249

62-Sm-152

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



26

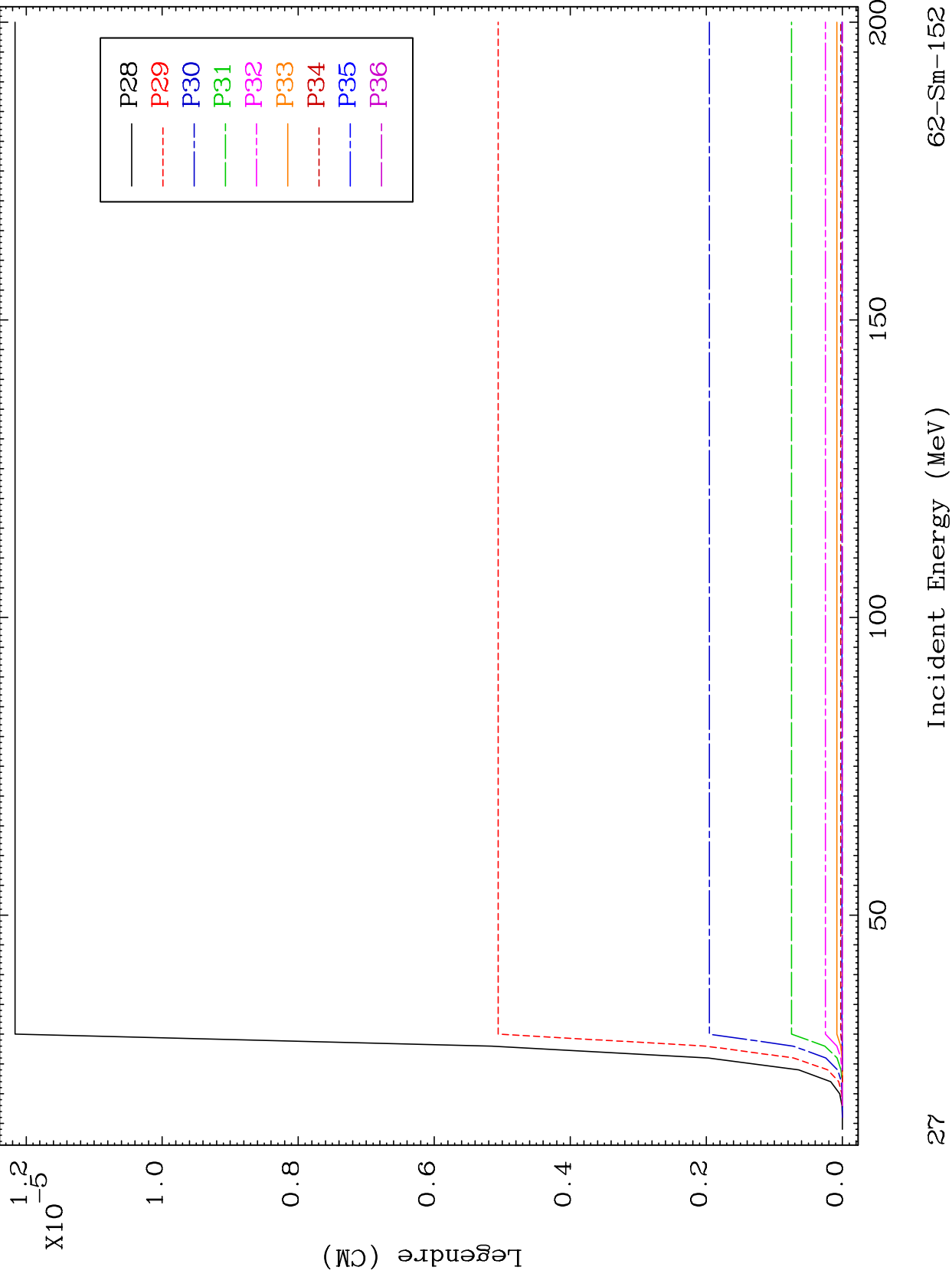
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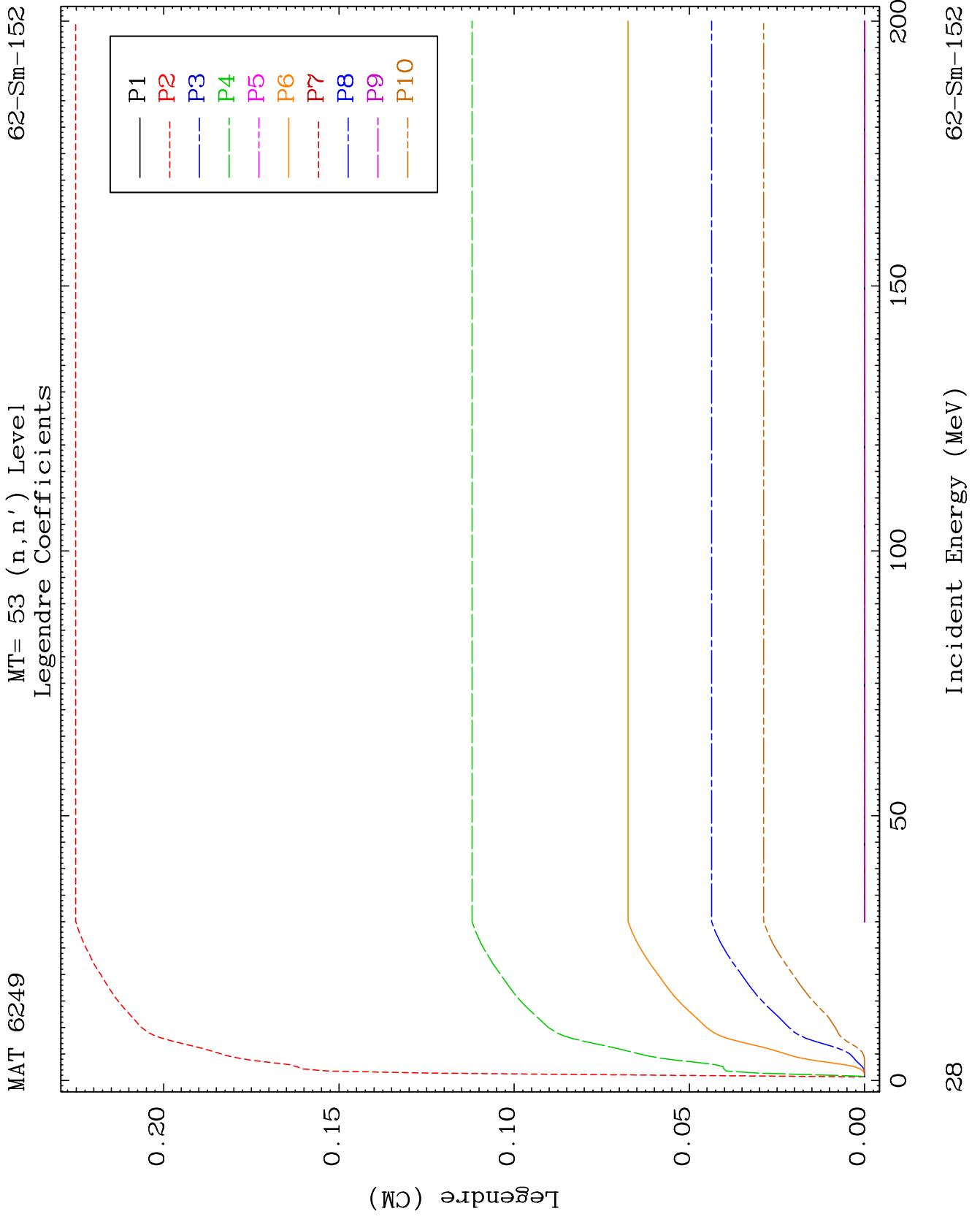
Incident Energy (MeV)

MAT 6249

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

62-Sm-152

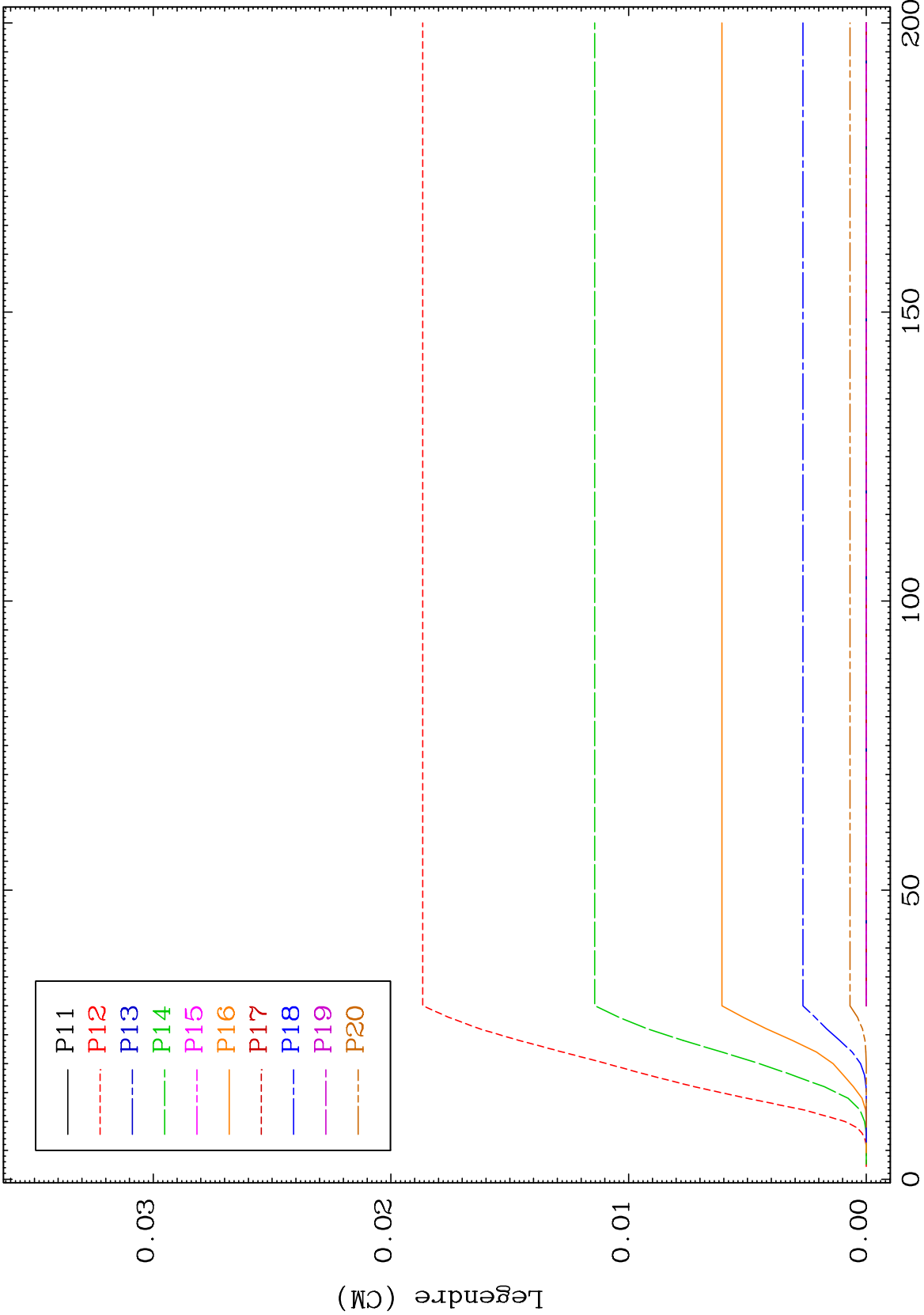




MAT 6249

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

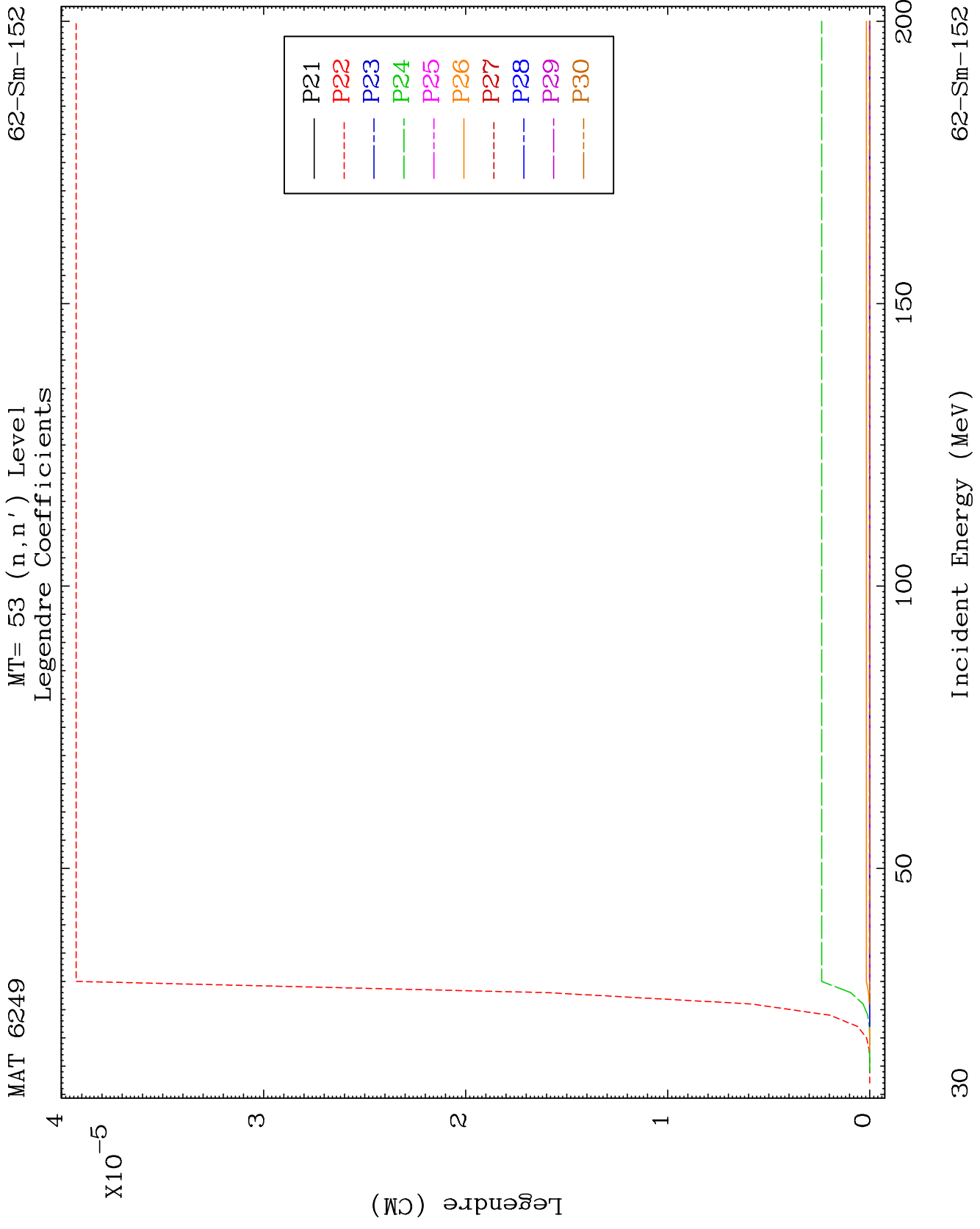
62-Sm-152



29

Incident Energy (MeV)

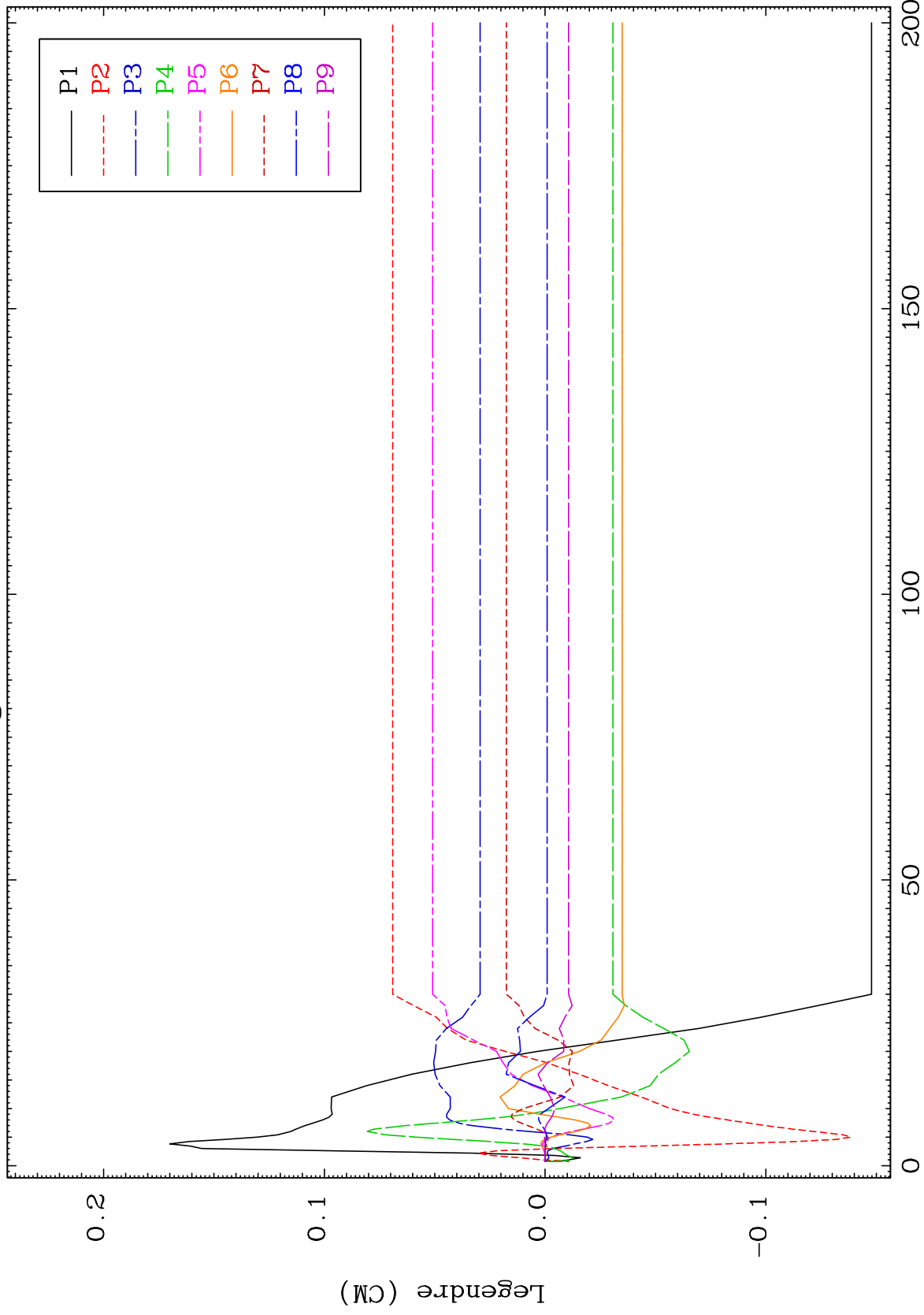
62-Sm-152



MAT 6249

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

62-Sm-152



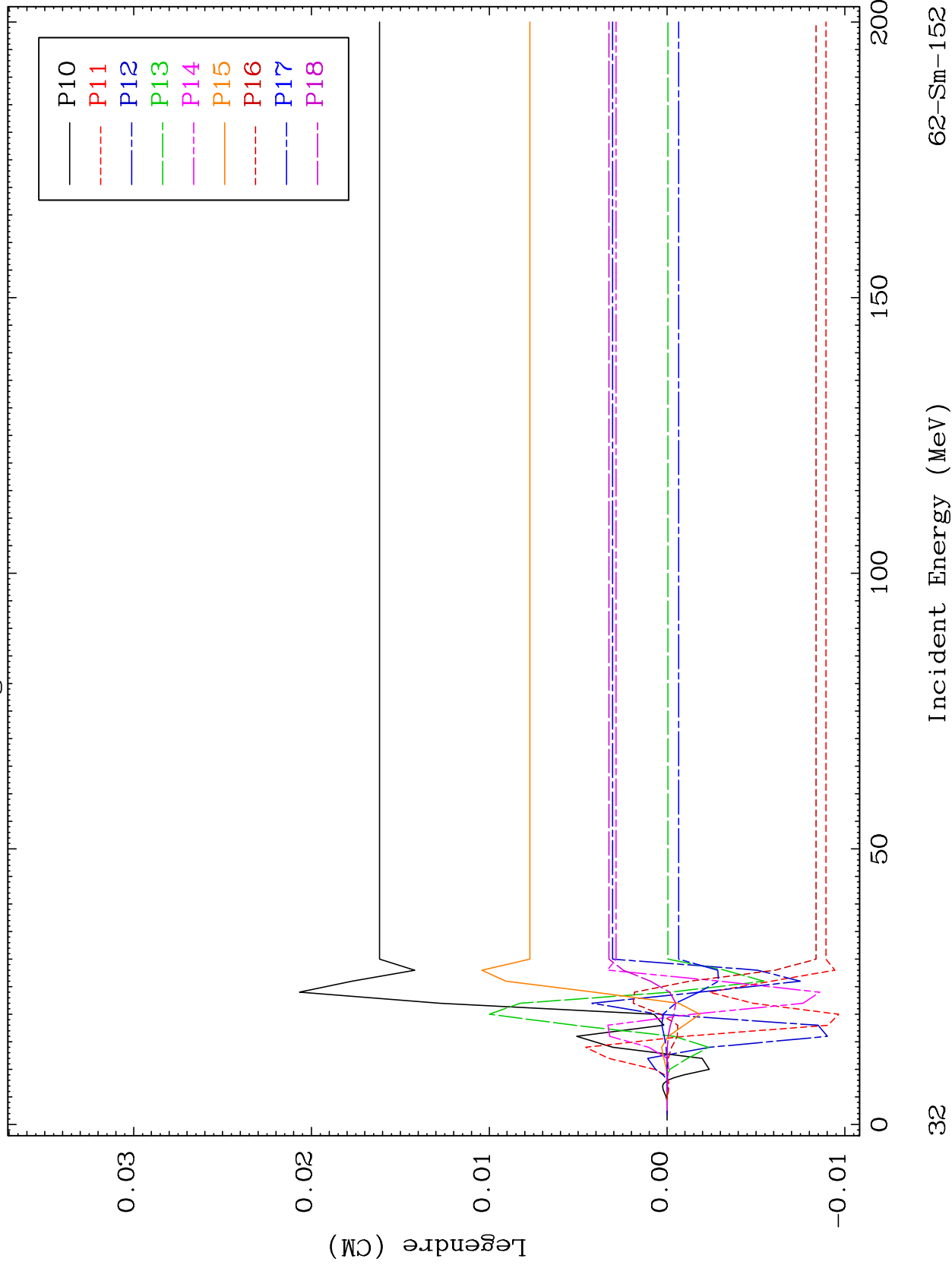
31

62-Sm-152

MAT 6249

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

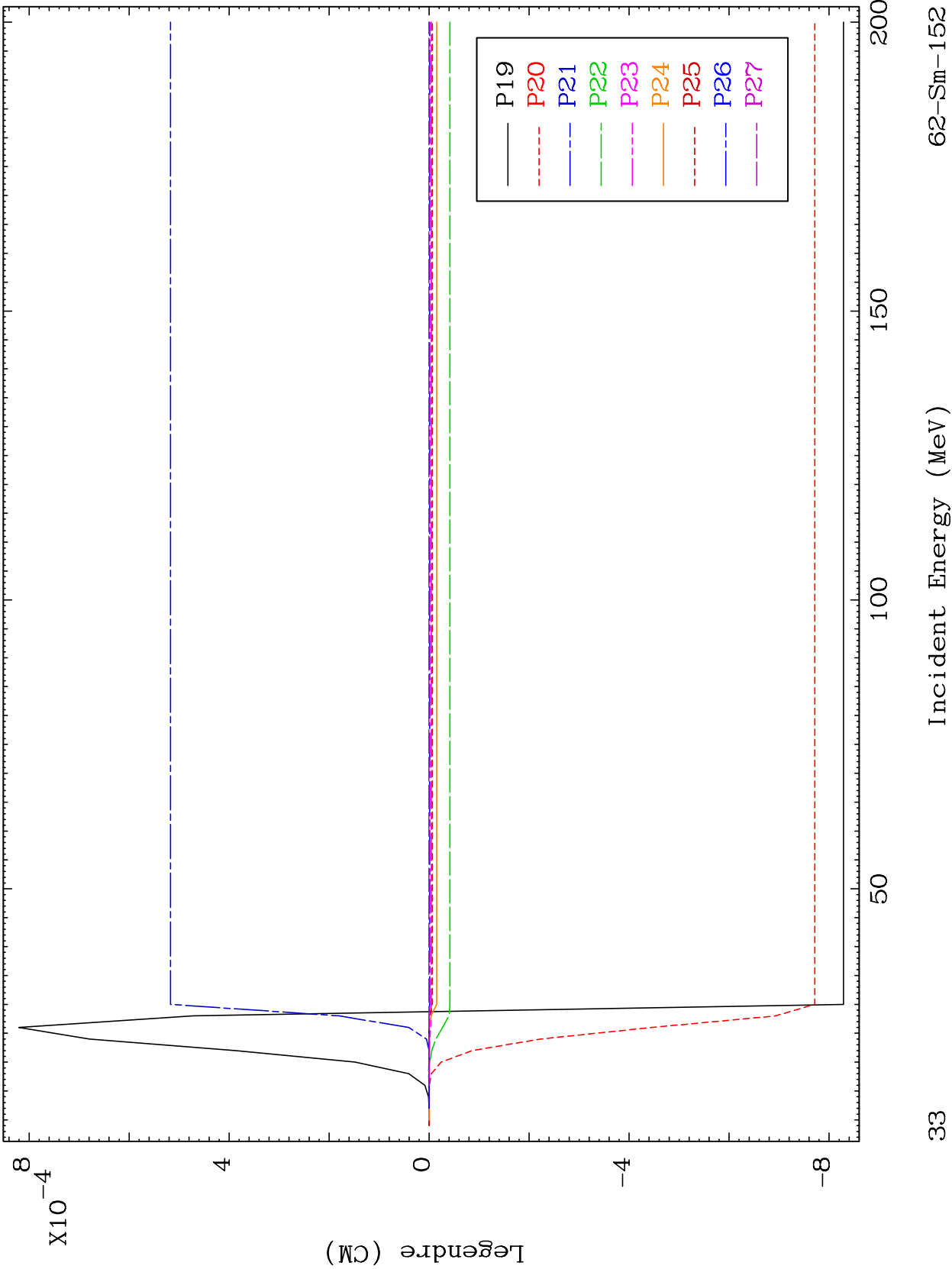
62-Sm-152



MAT 6249

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

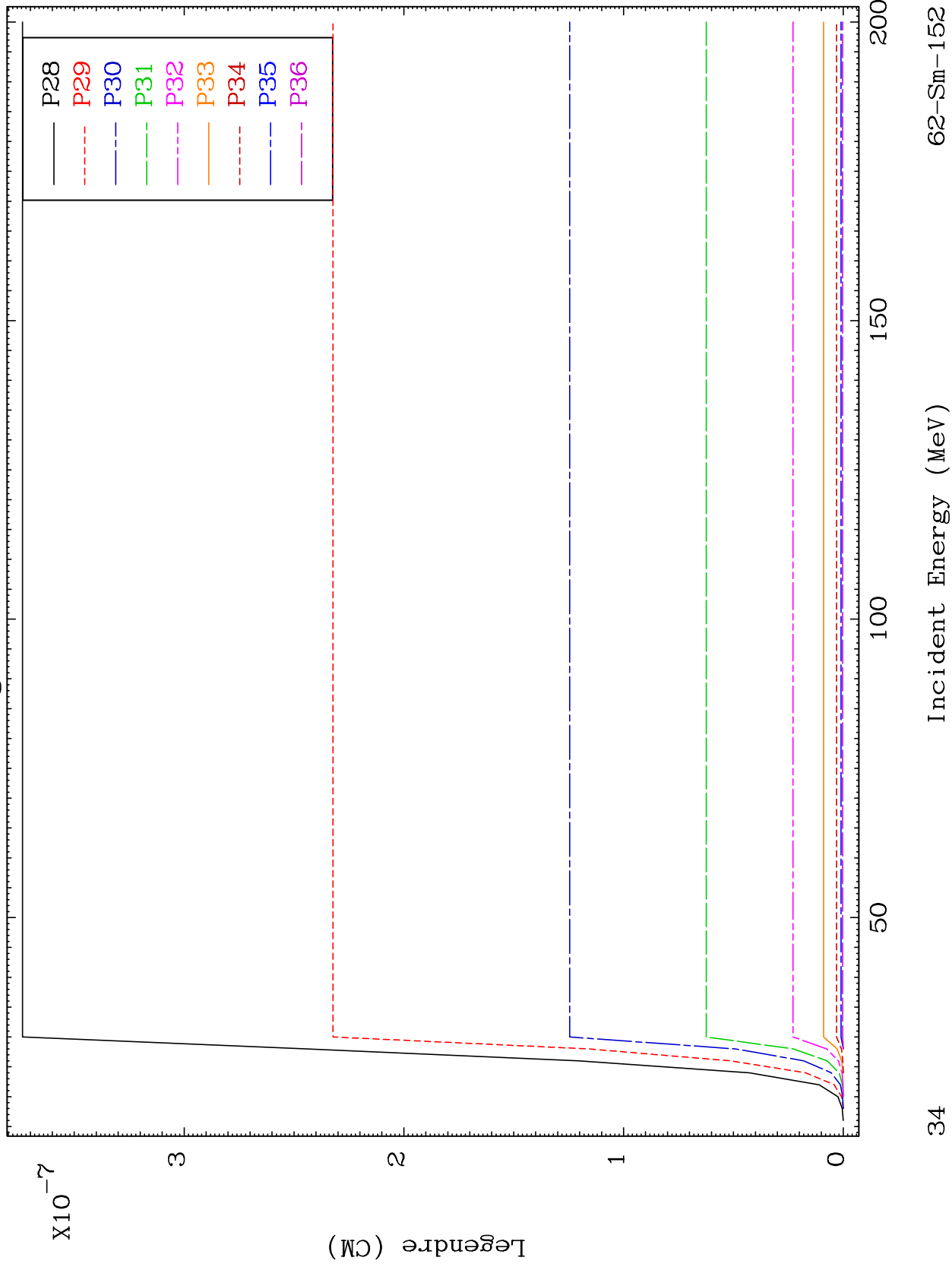
62-Sm-152



MAT 6249

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

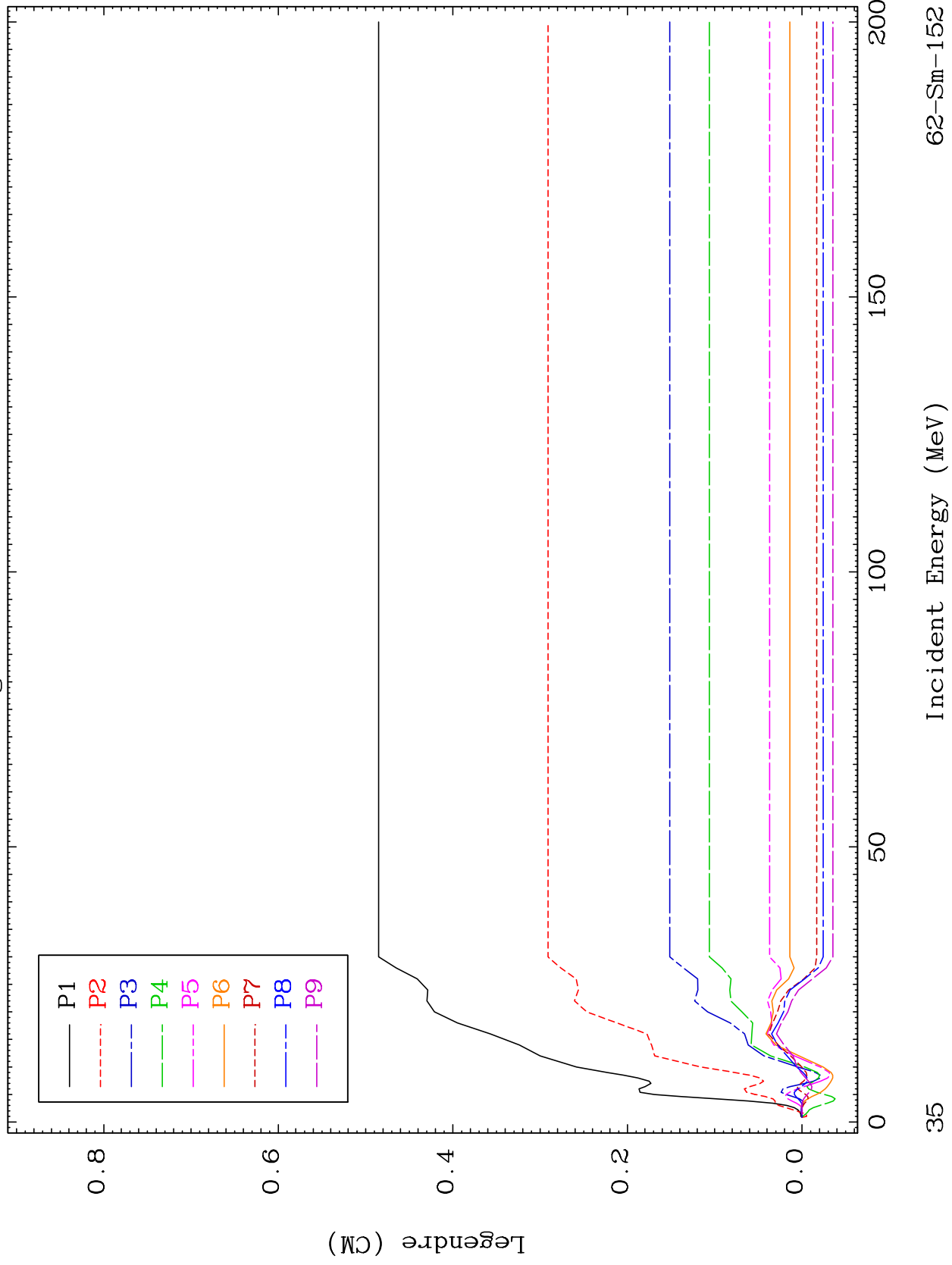
62-Sm-152



MAT 6249

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

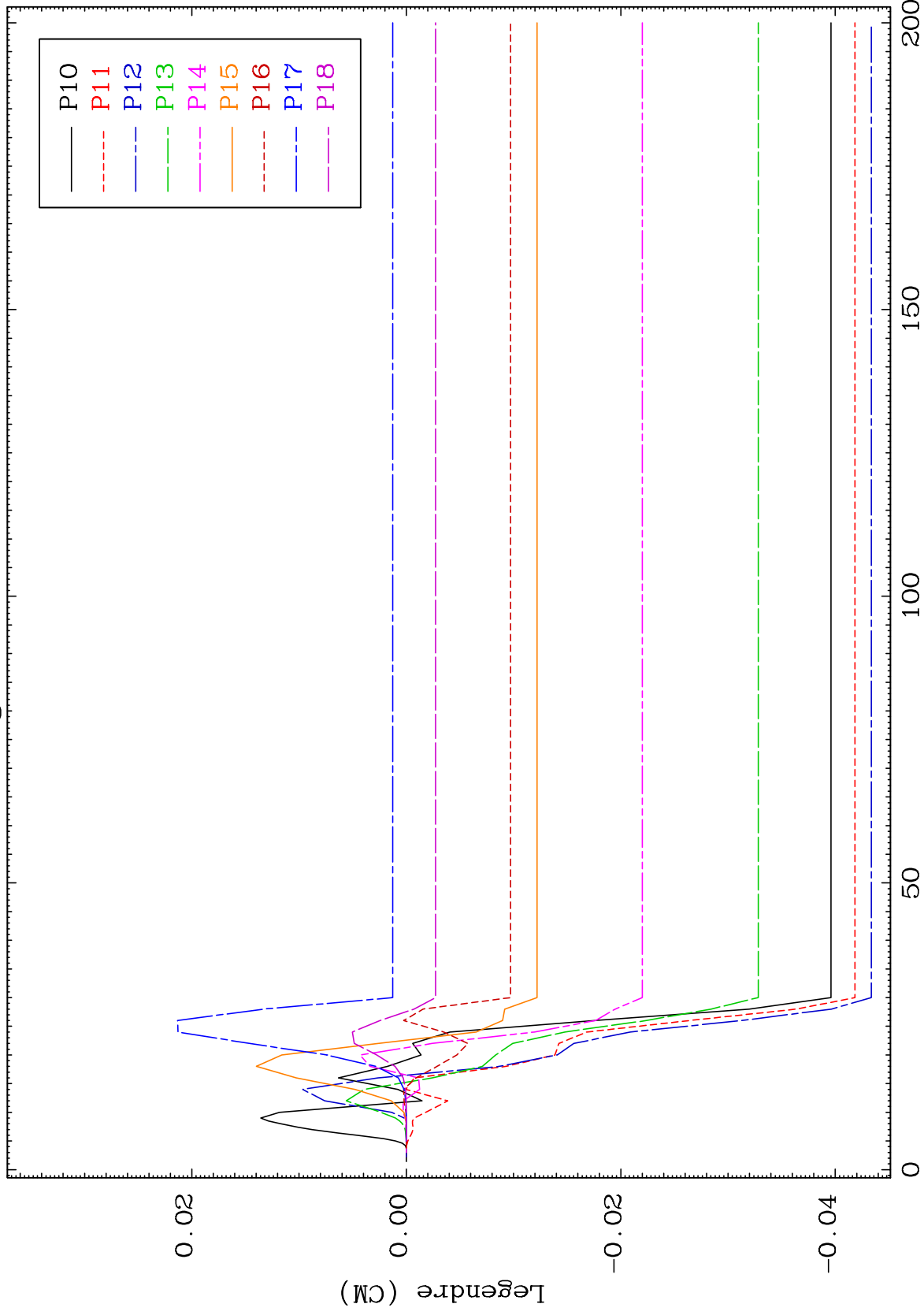
62-Sm-152



MAT 6249

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

62-Sm-152



36

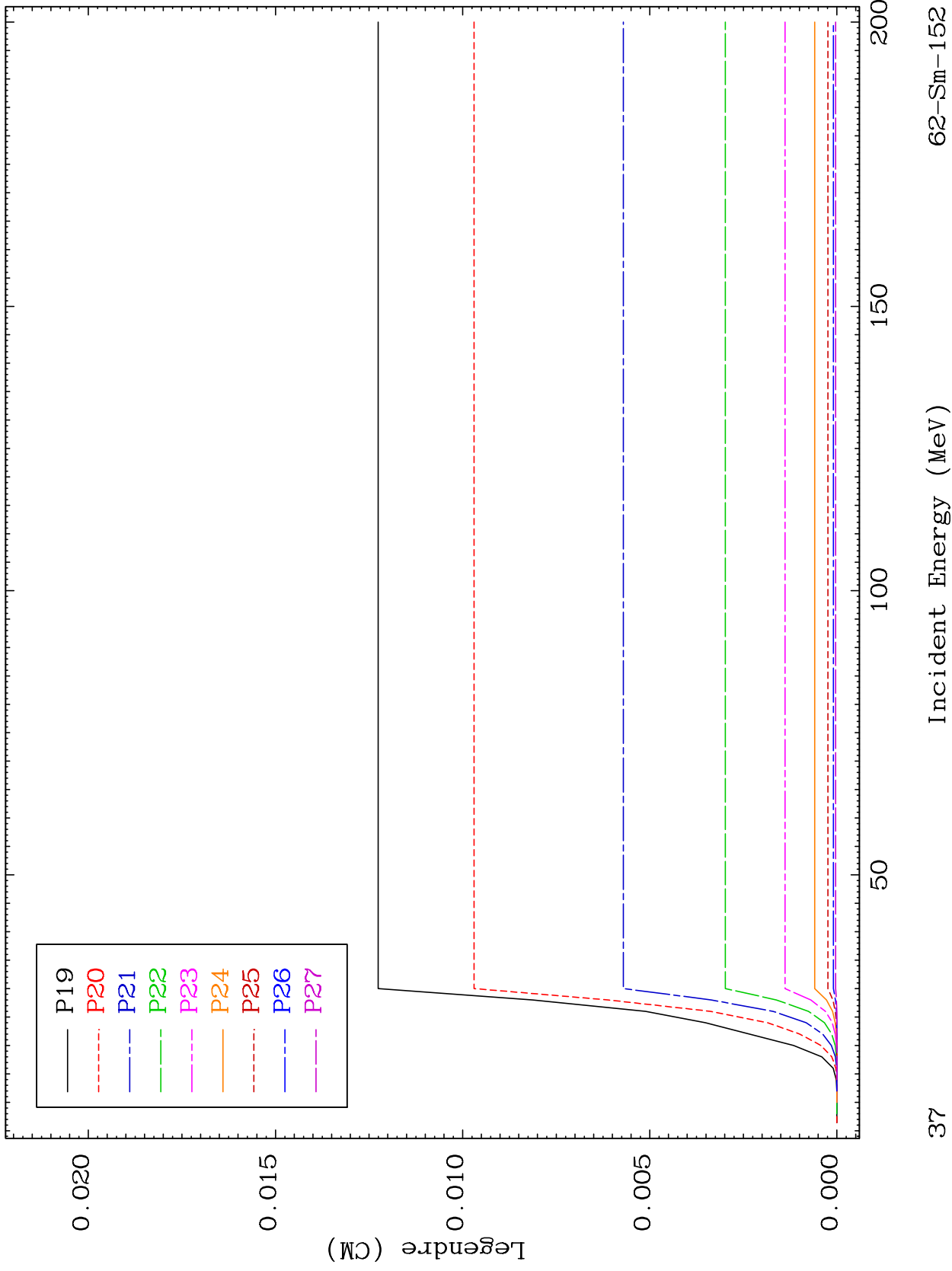
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

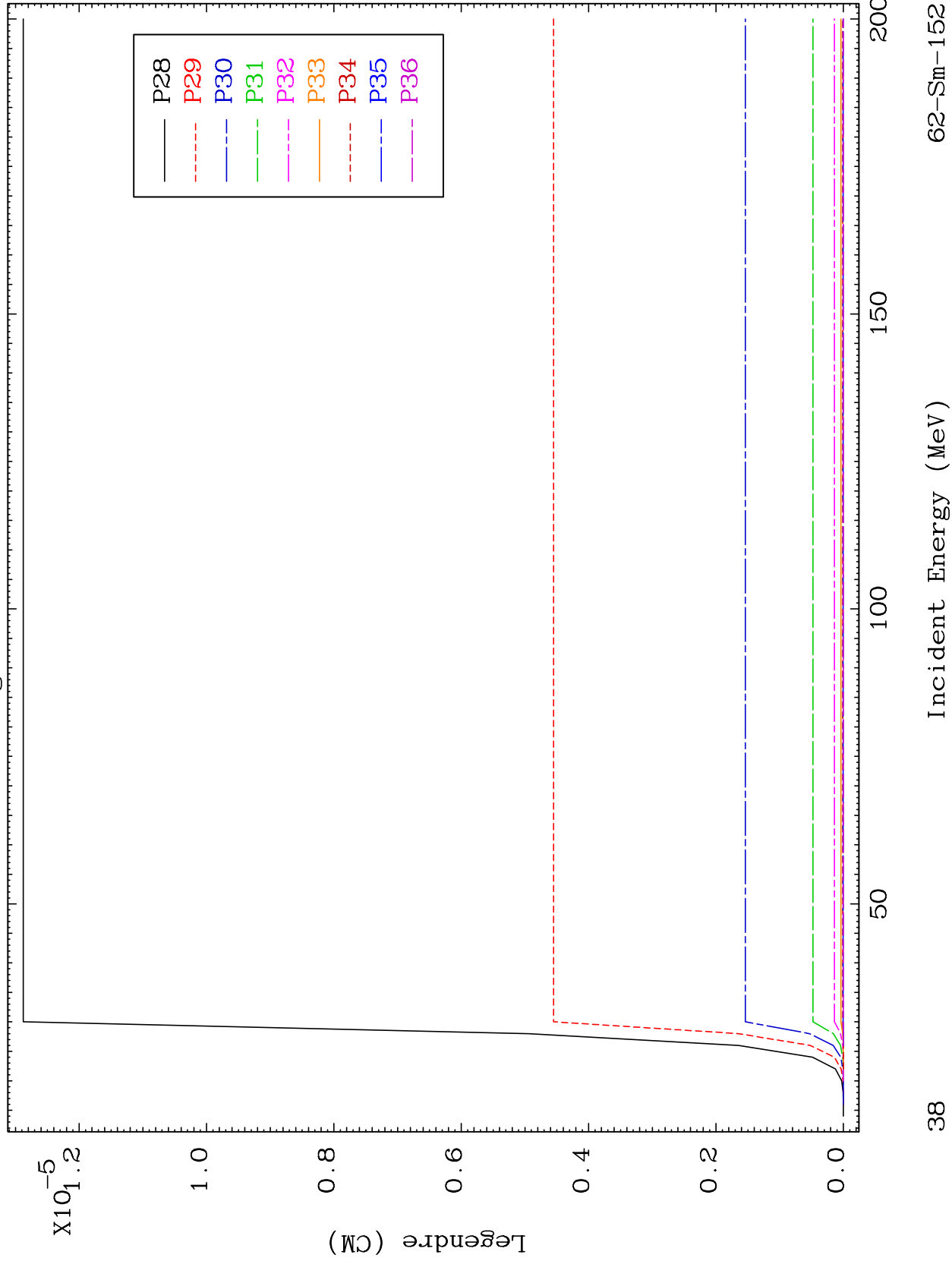
62-Sm-152



MAT 6249

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

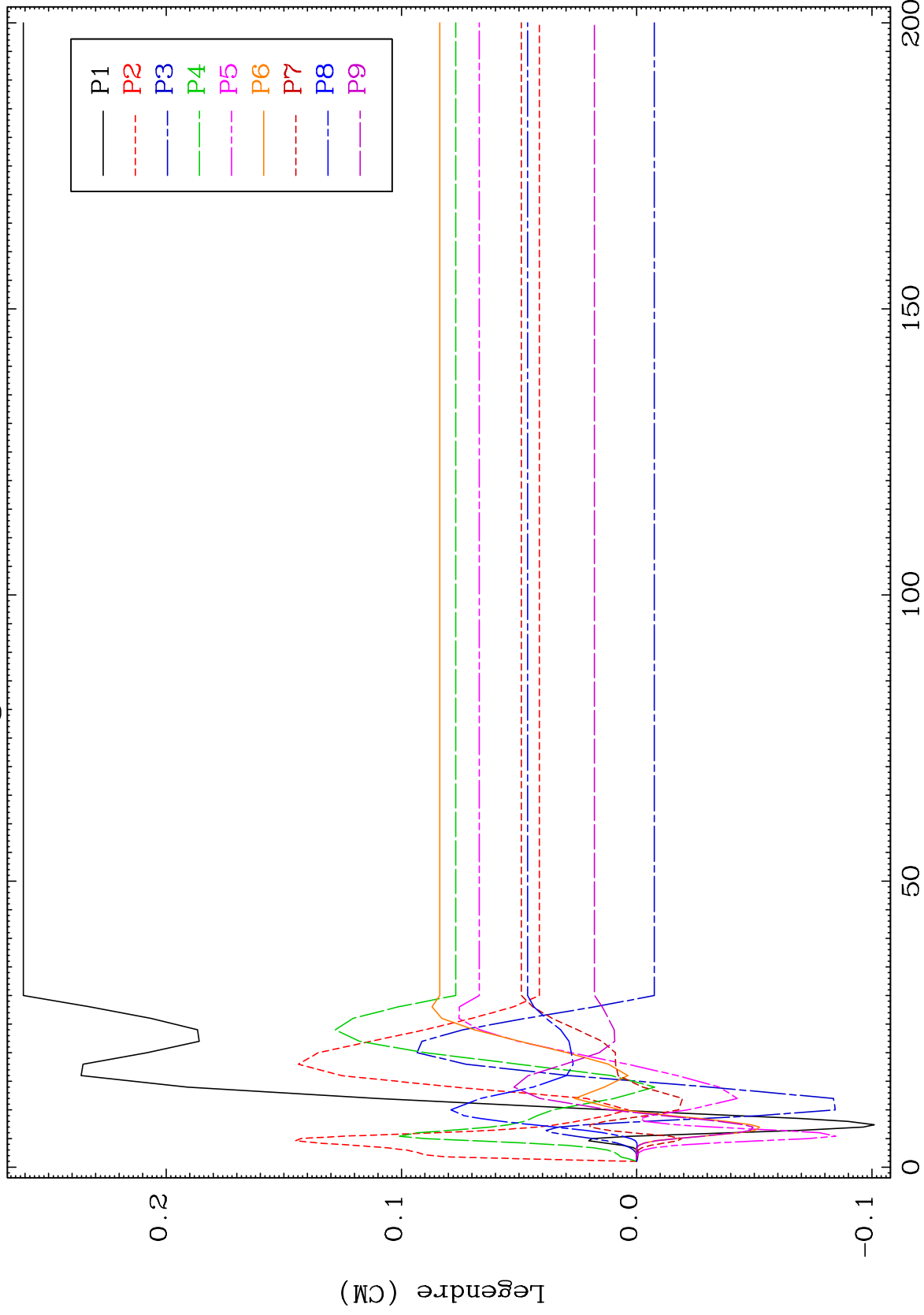
62-Sm-152



MAT 6249

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

62-Sm-152



39

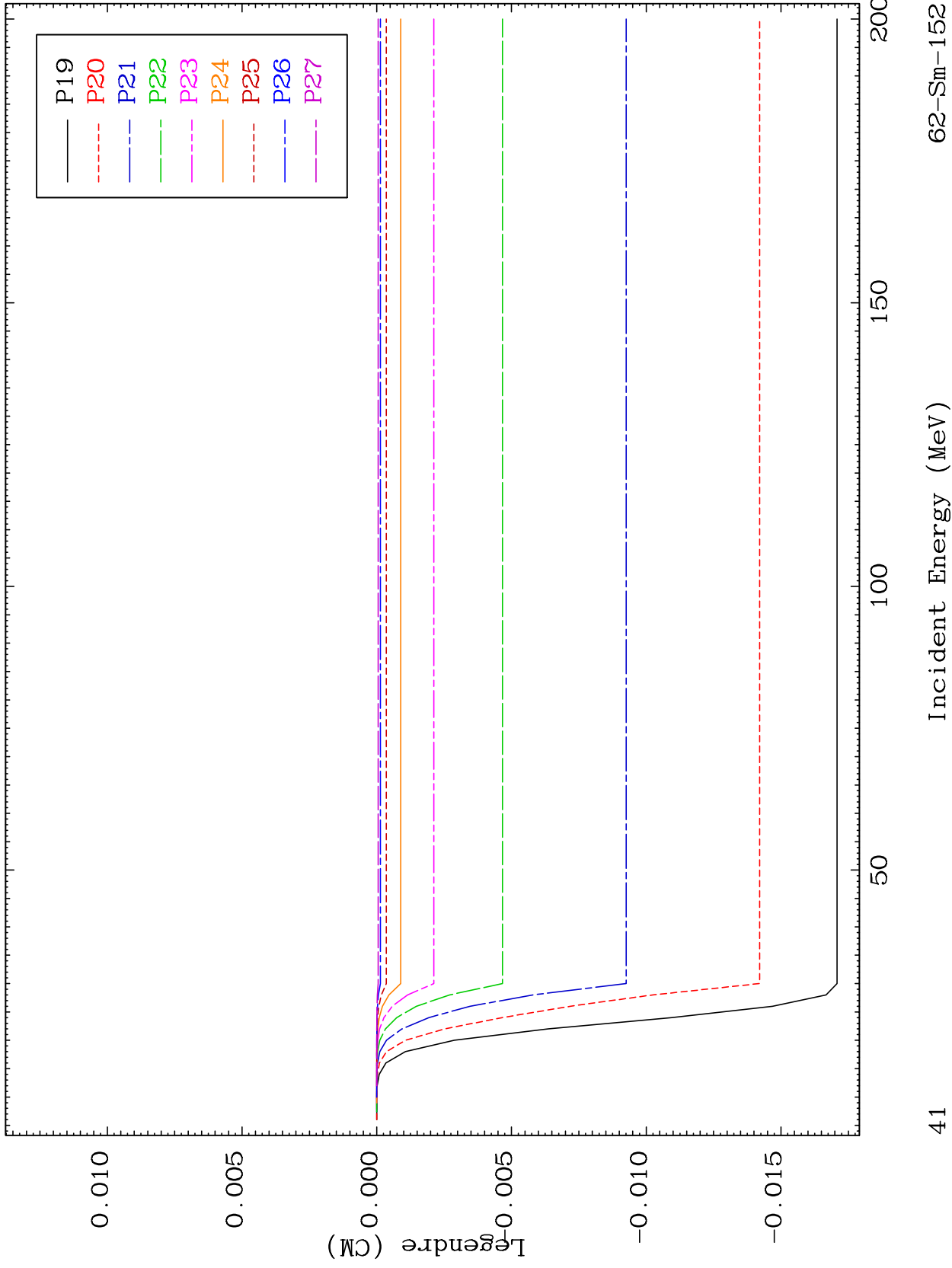
Incident Energy (MeV)

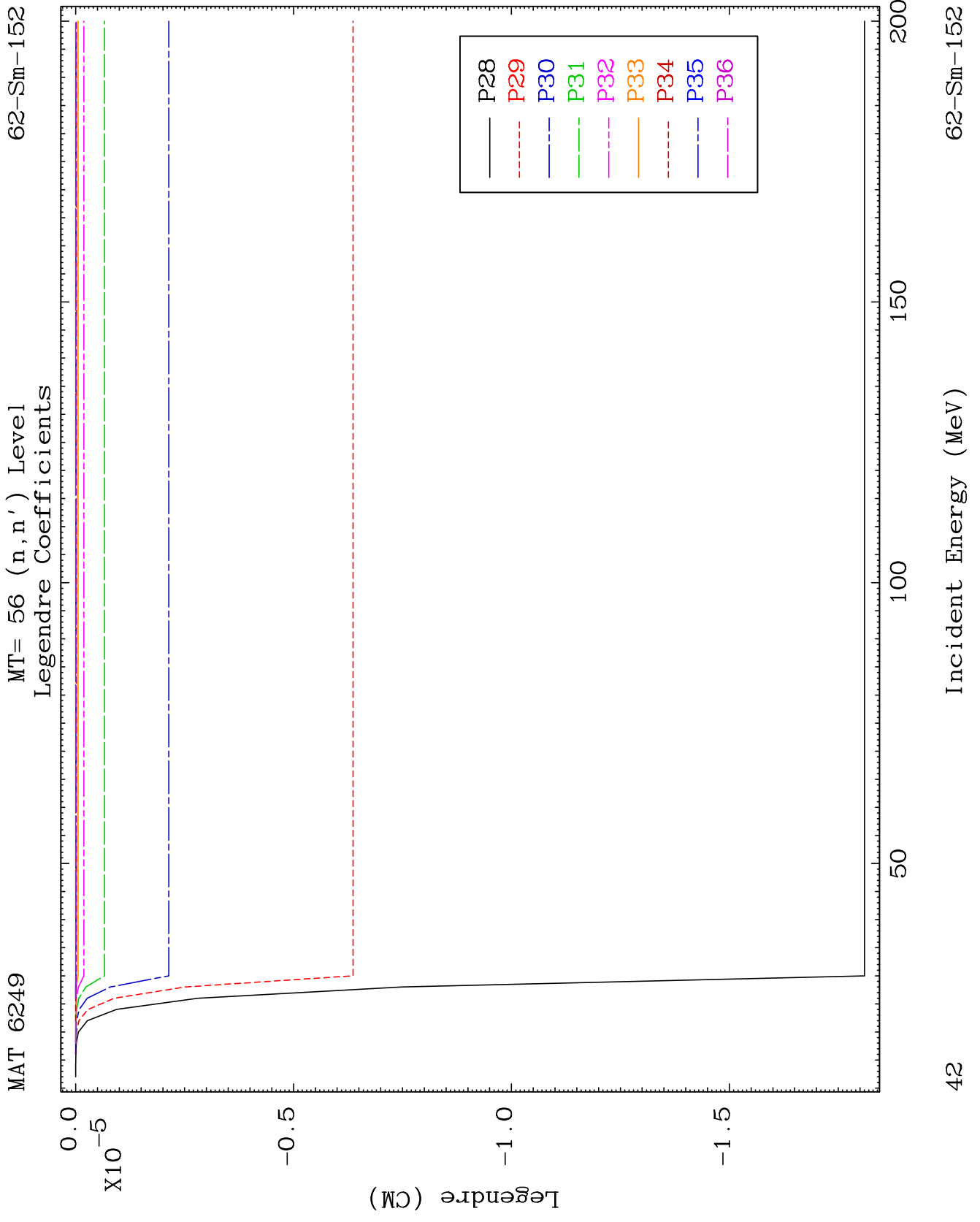
62-Sm-152

MAT 6249

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

62-Sm-152

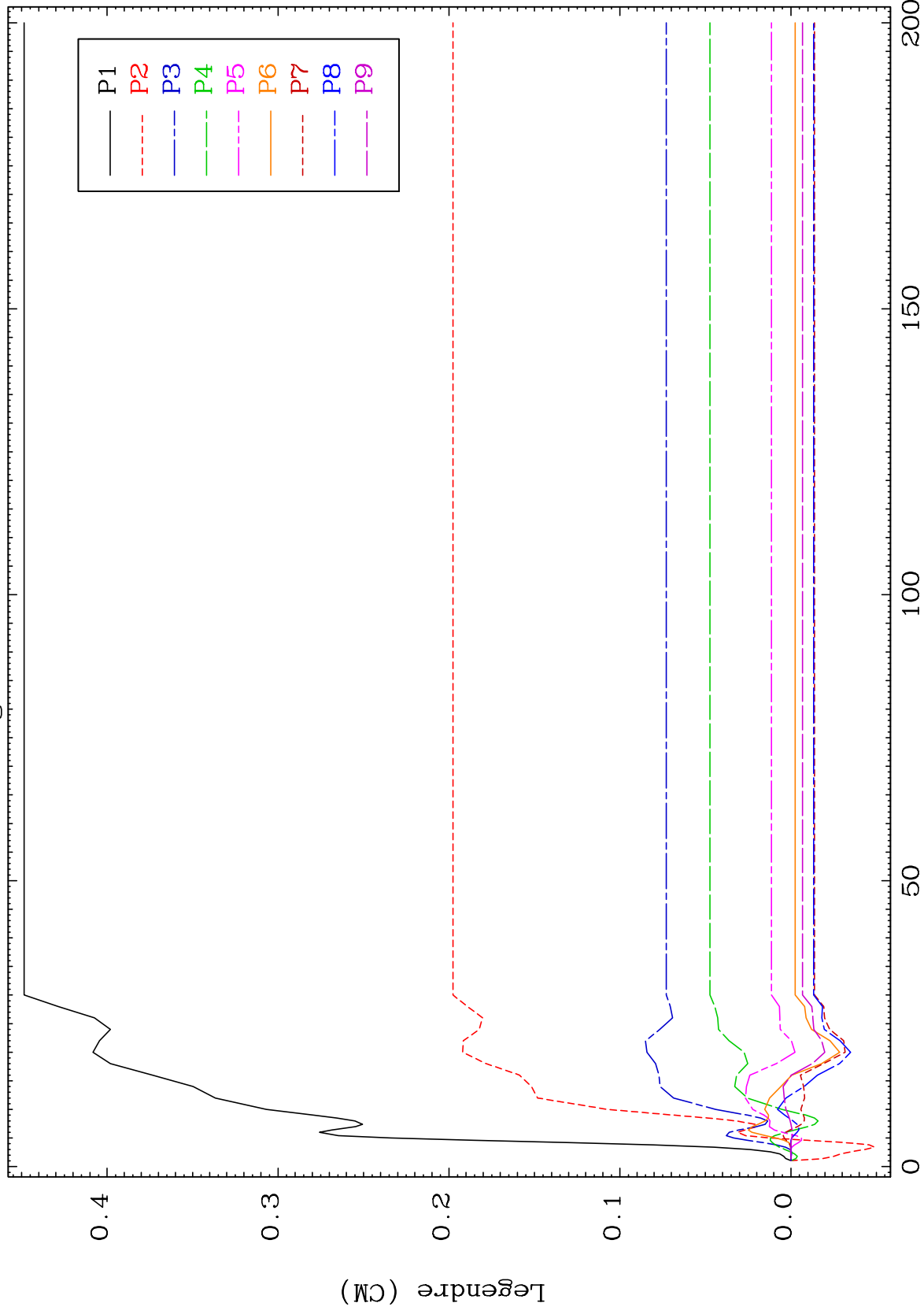




MAT 6249

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

62-Sm-152



43

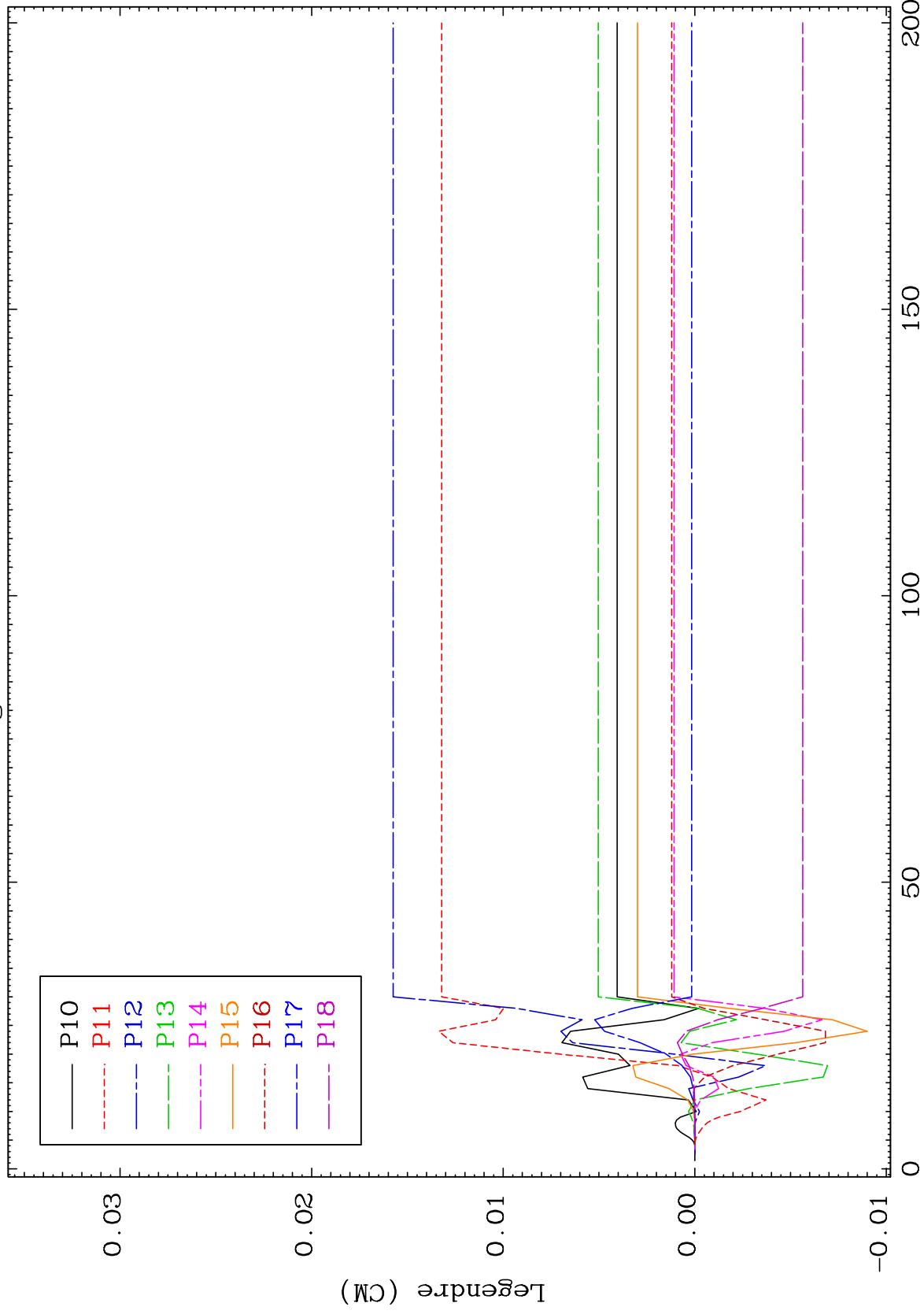
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



44

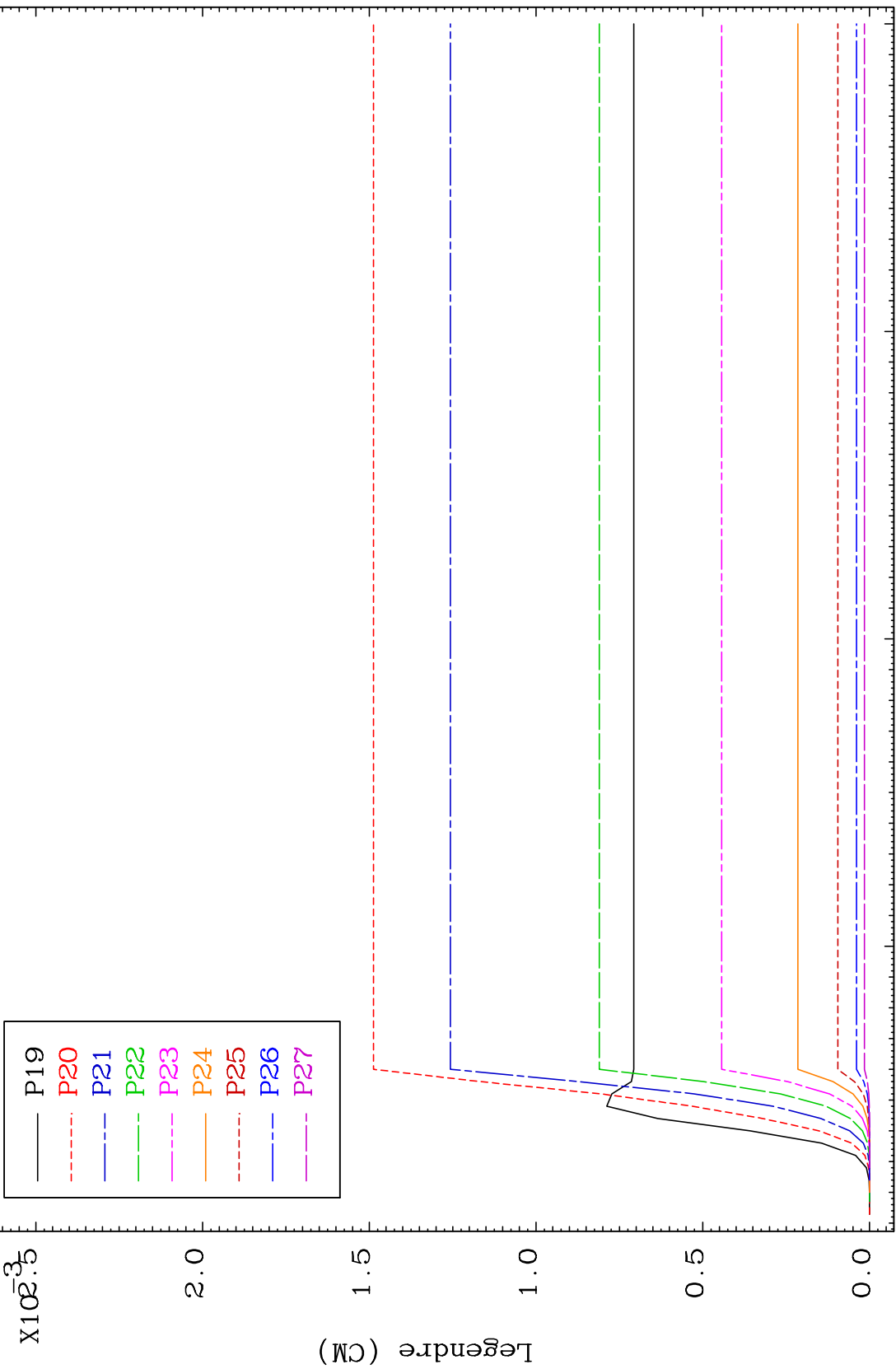
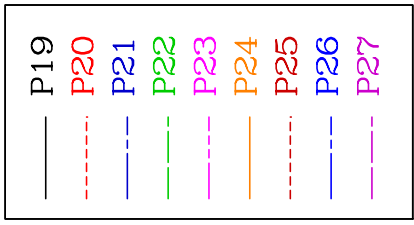
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



45

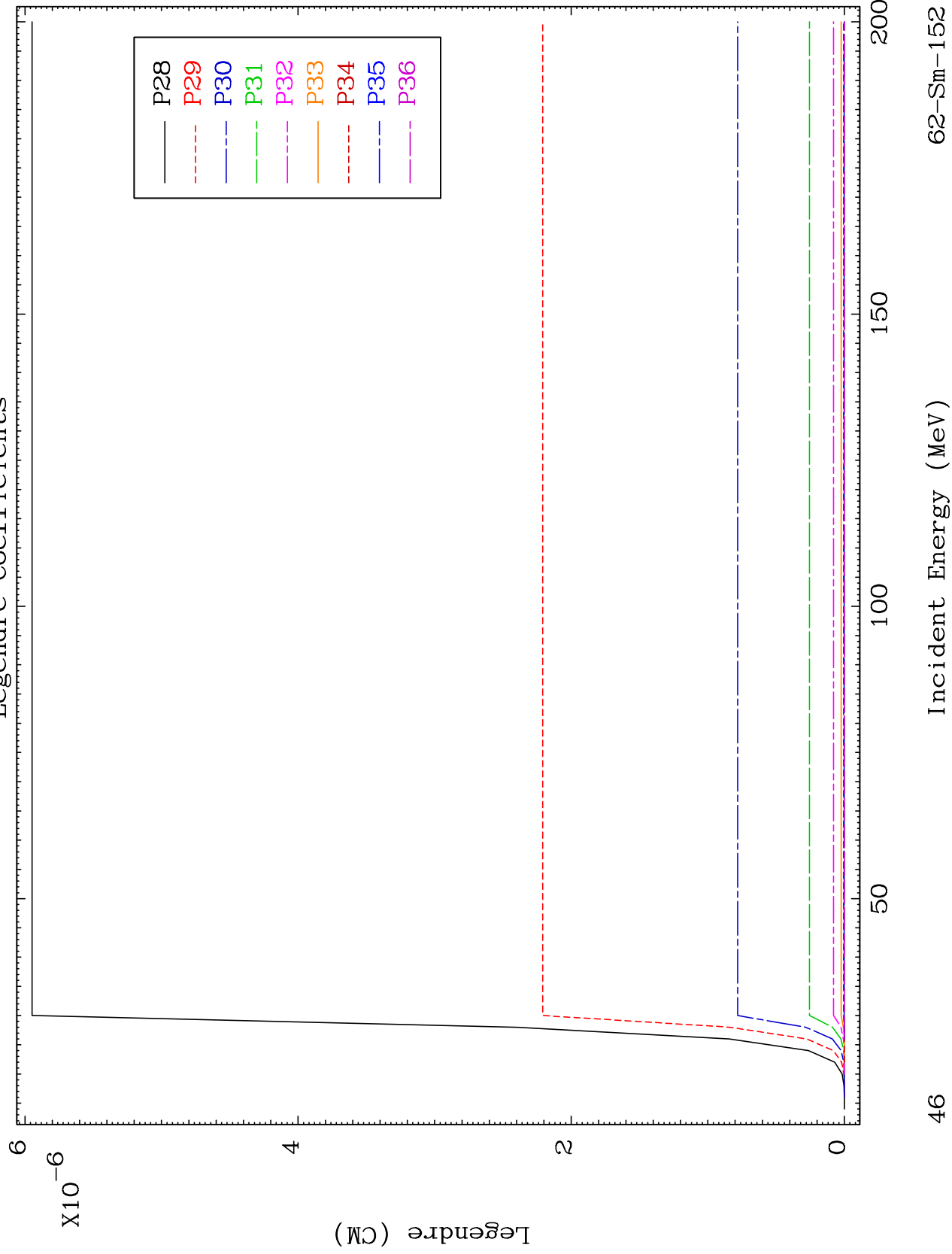
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

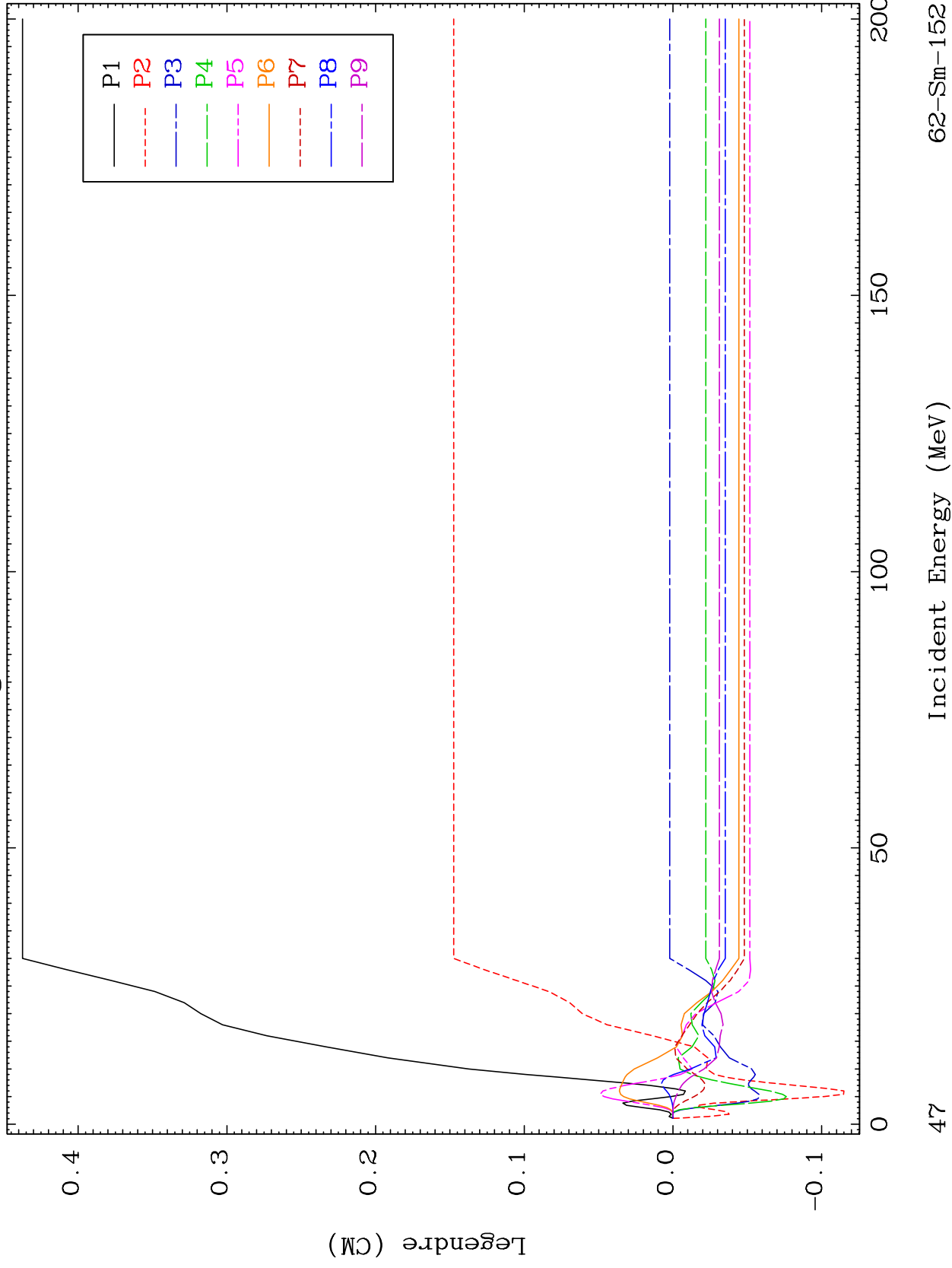
62-Sm-152



MAT 6249

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

62-Sm-152



62-Sm-152

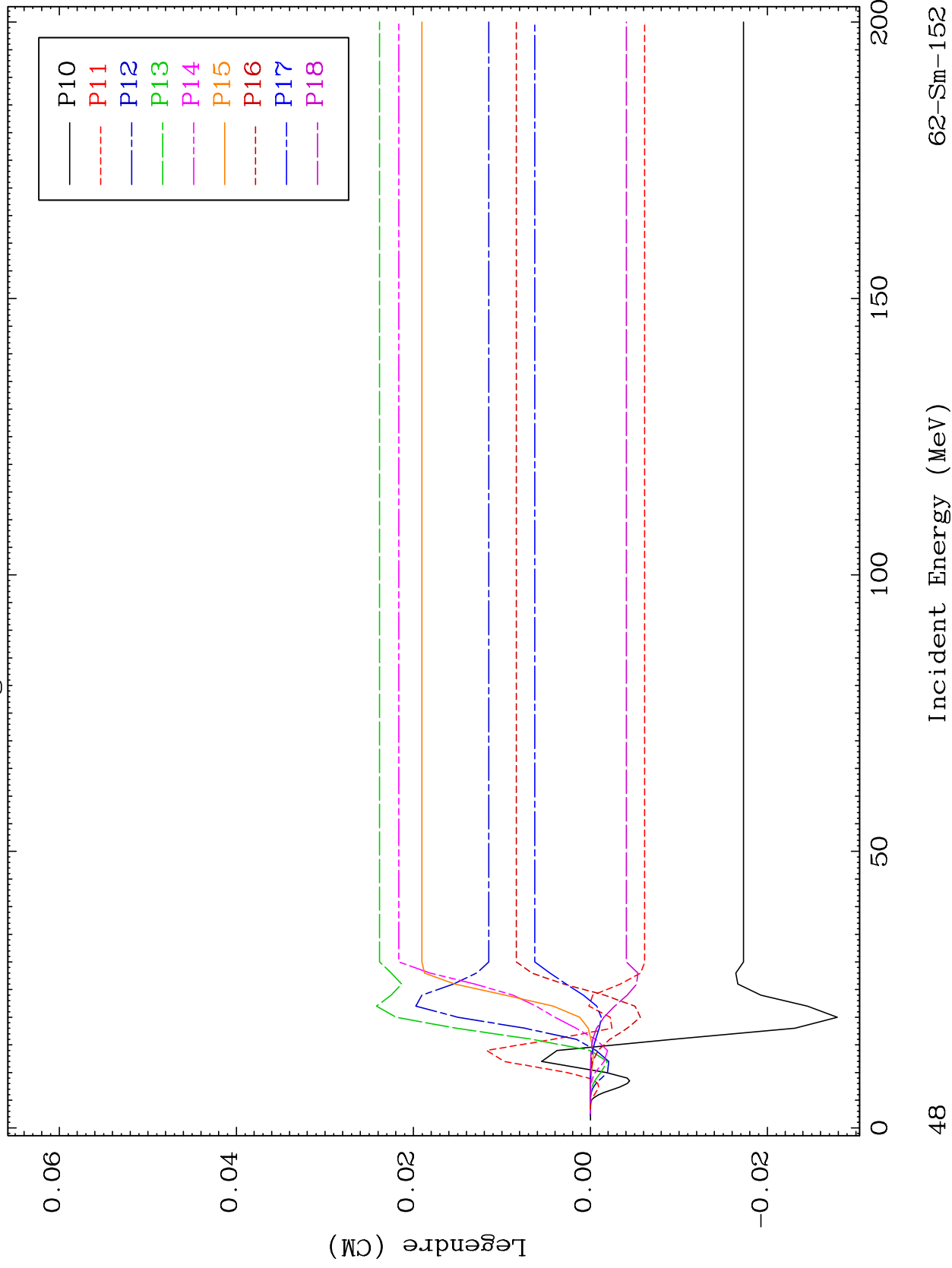
Incident Energy (MeV)

47

MAT 6249

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

62-Sm-152



62-Sm-152

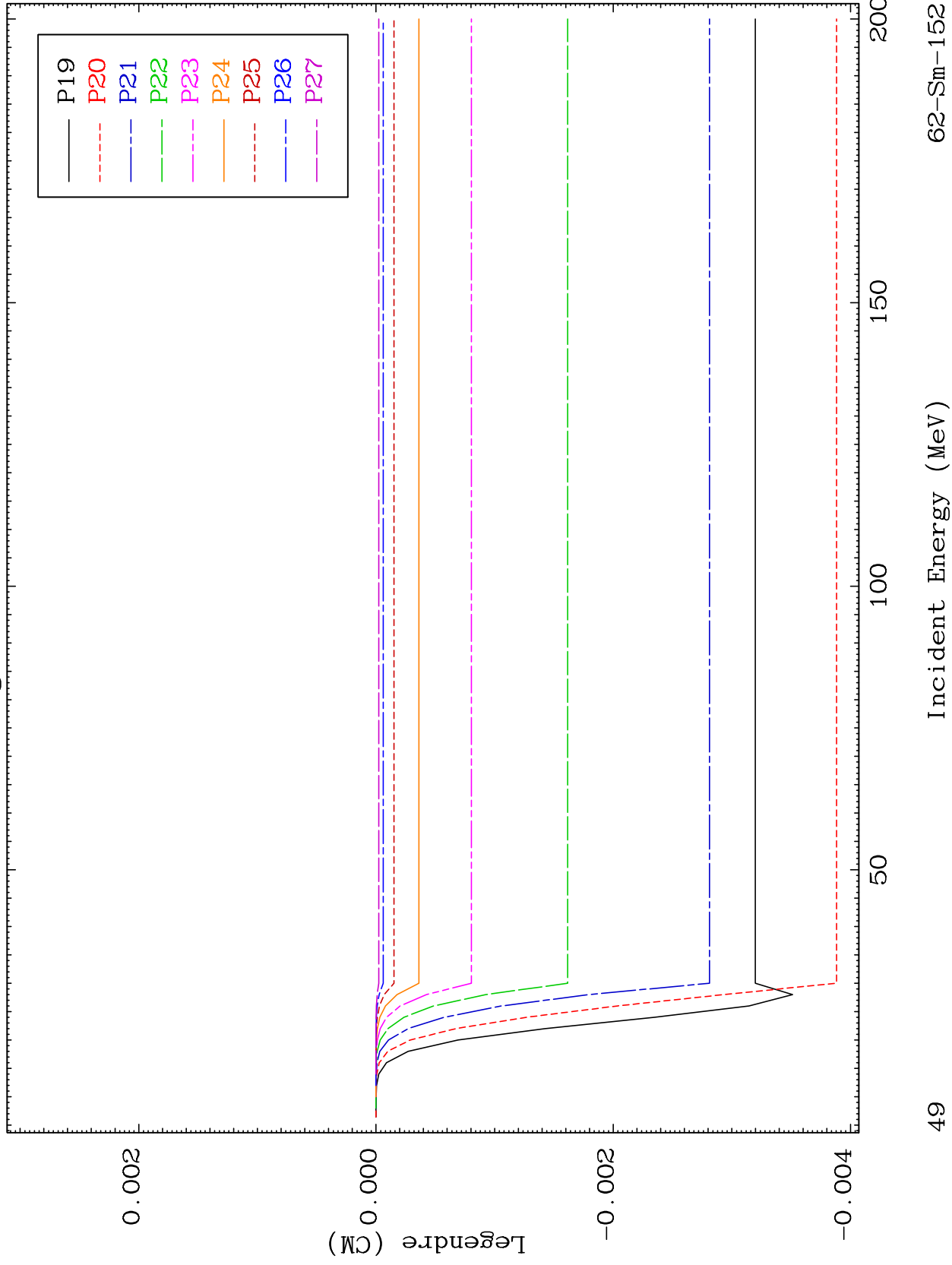
Incident Energy (MeV)

48

MAT 6249

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

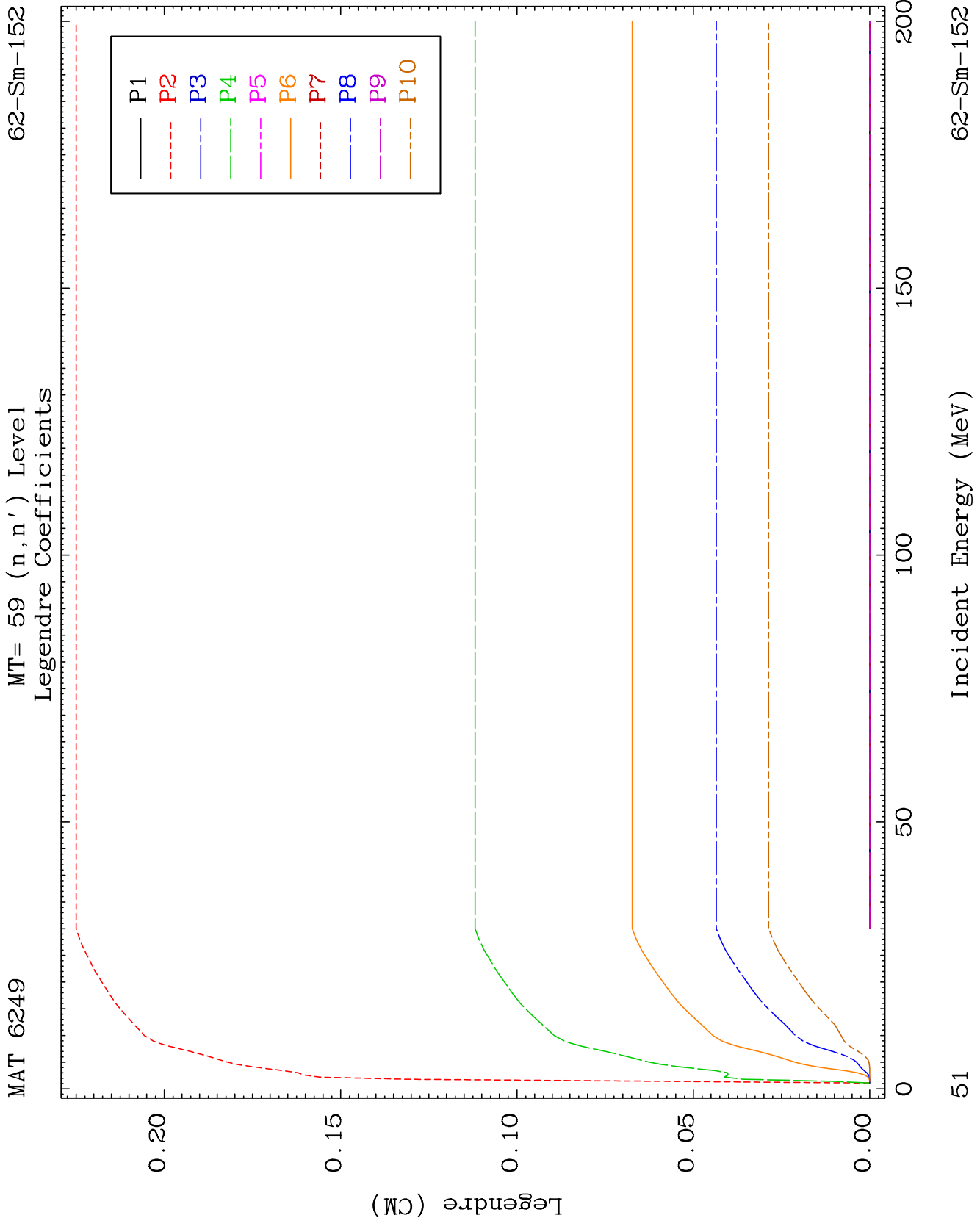
62-Sm-152



49

Incident Energy (MeV)

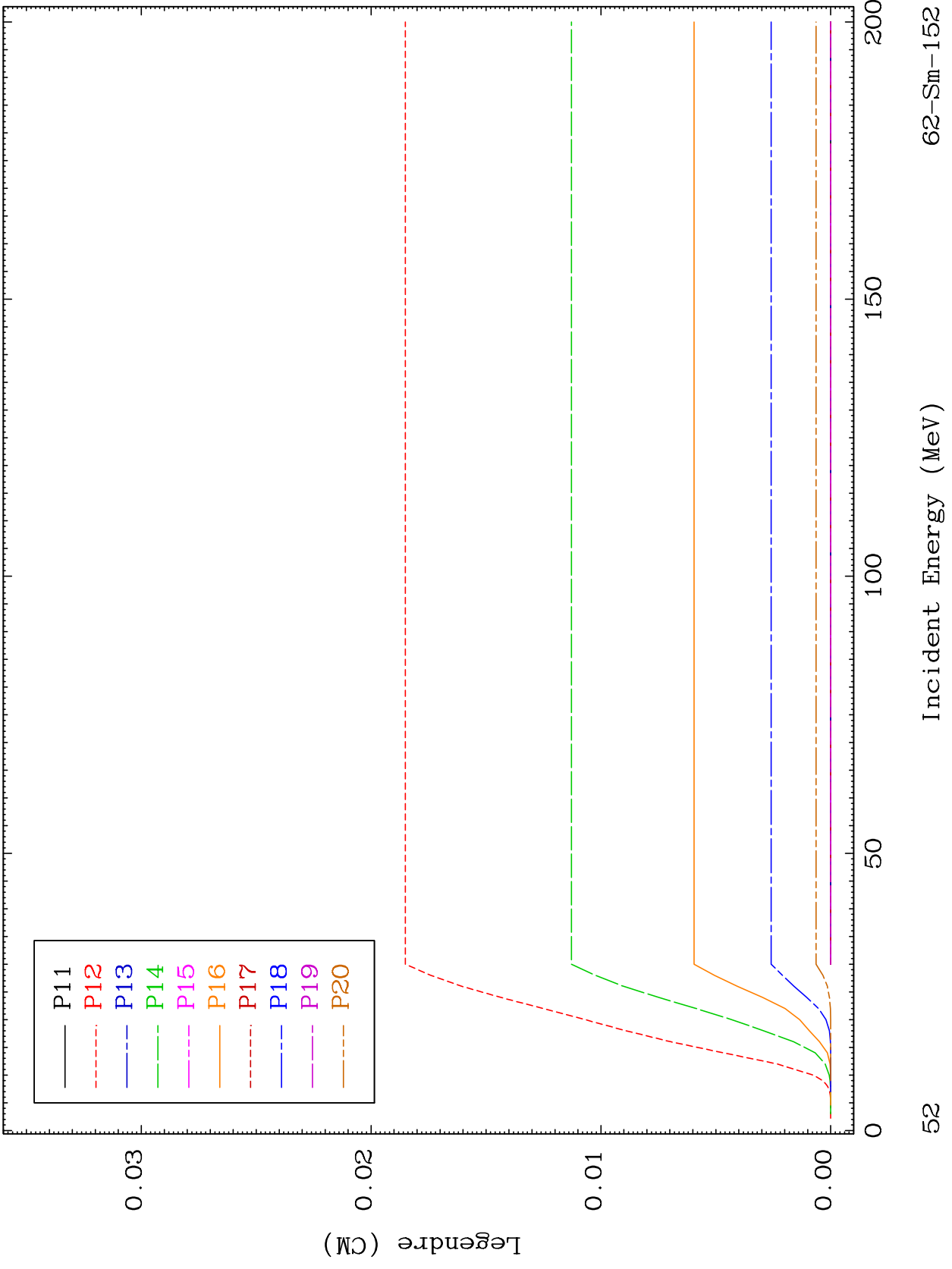
62-Sm-152



MAT 6249

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

62-Sm-152



62-Sm-152

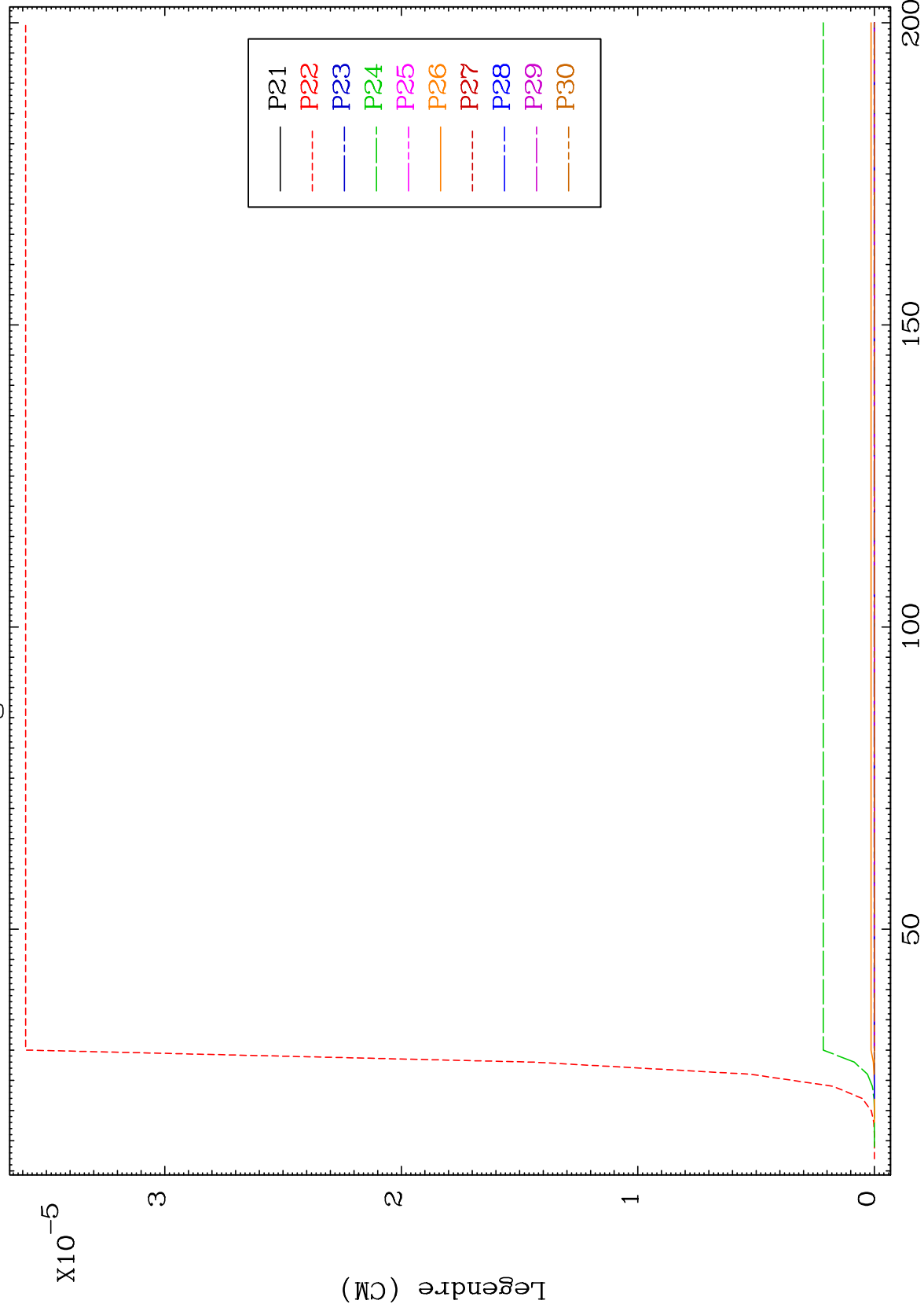
Incident Energy (MeV)

52

MAT 6249

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

62-Sm-152



53

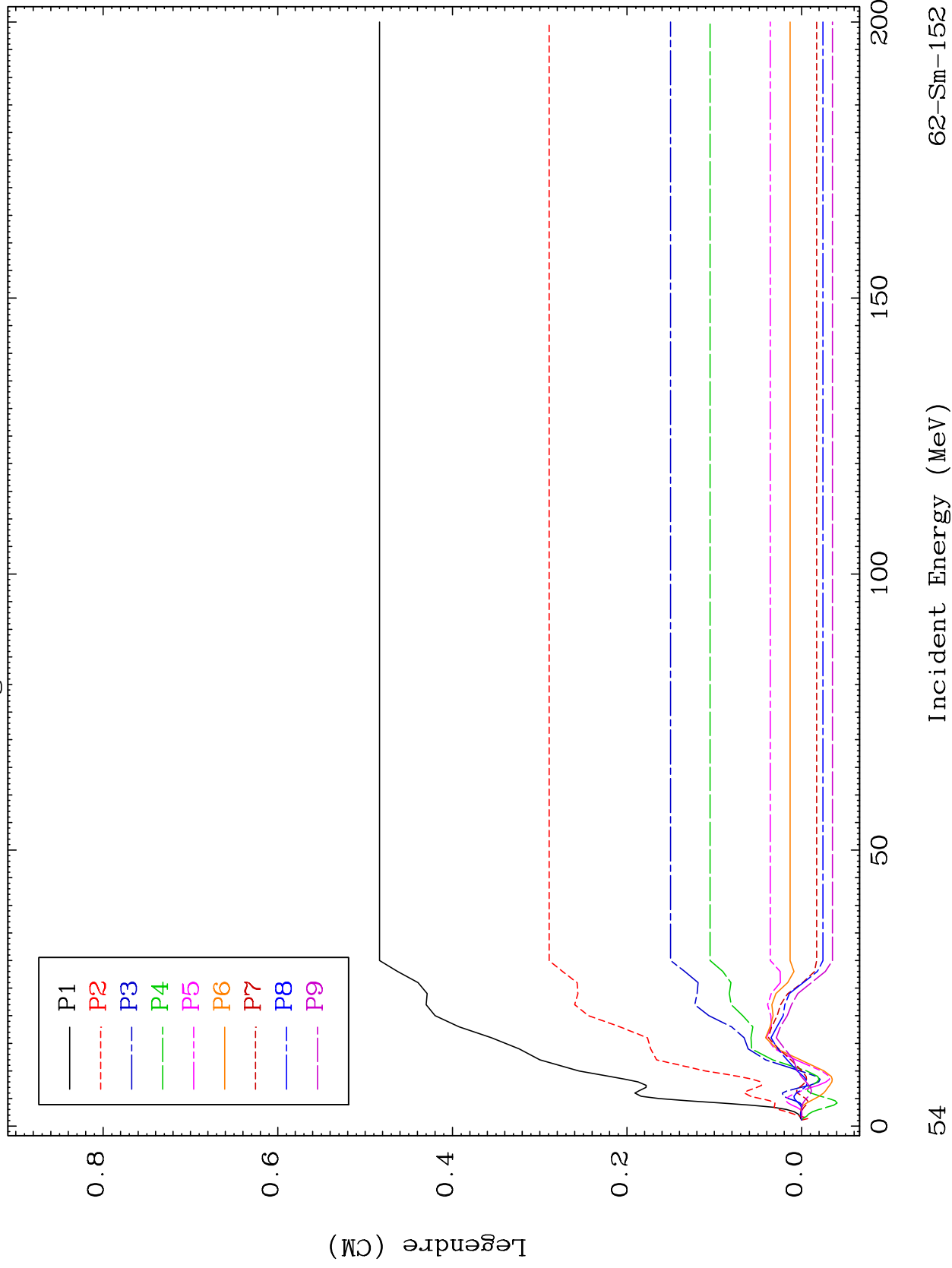
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

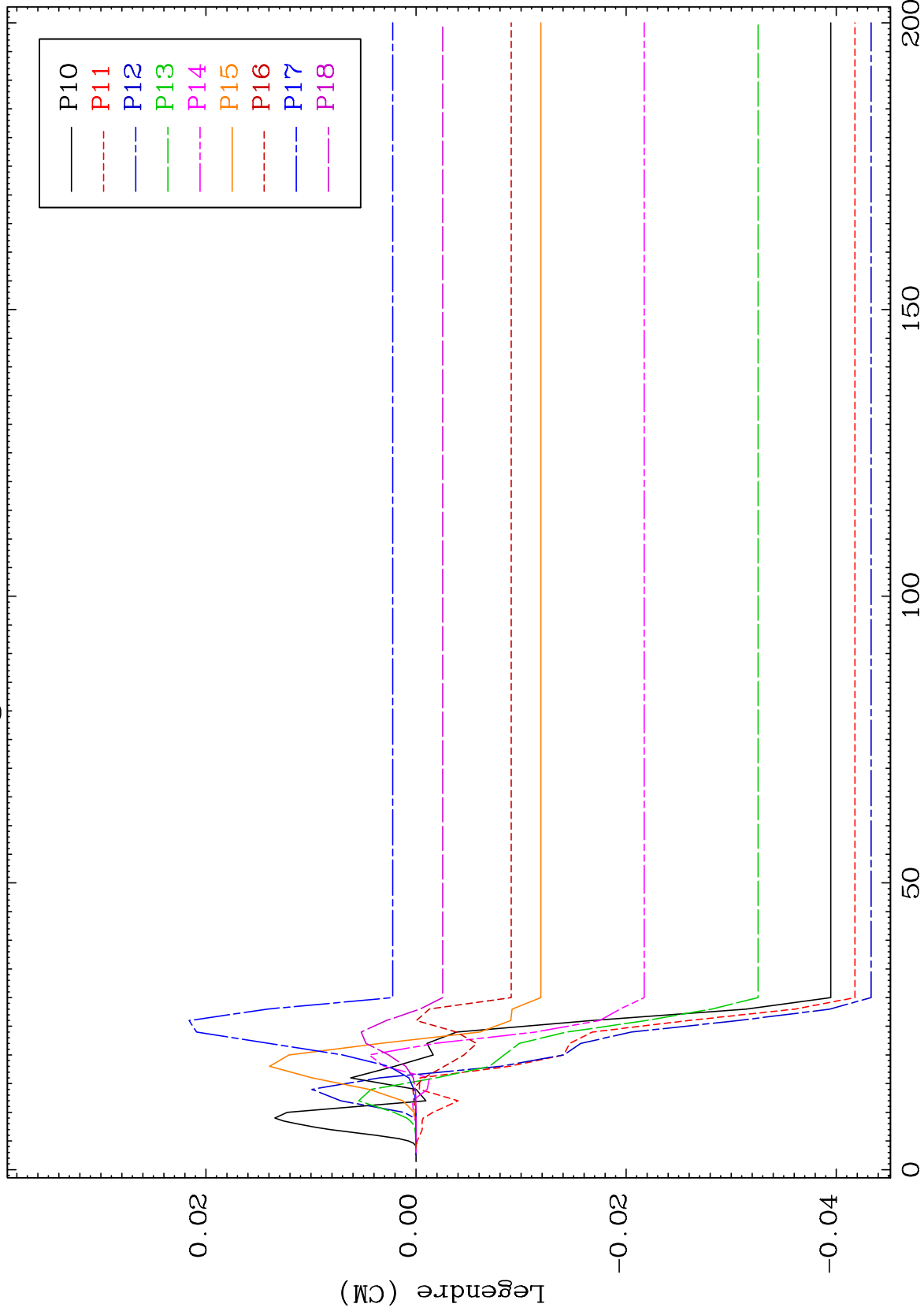
Incident Energy (MeV)

54

MAT 6249

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

62-Sm-152



55

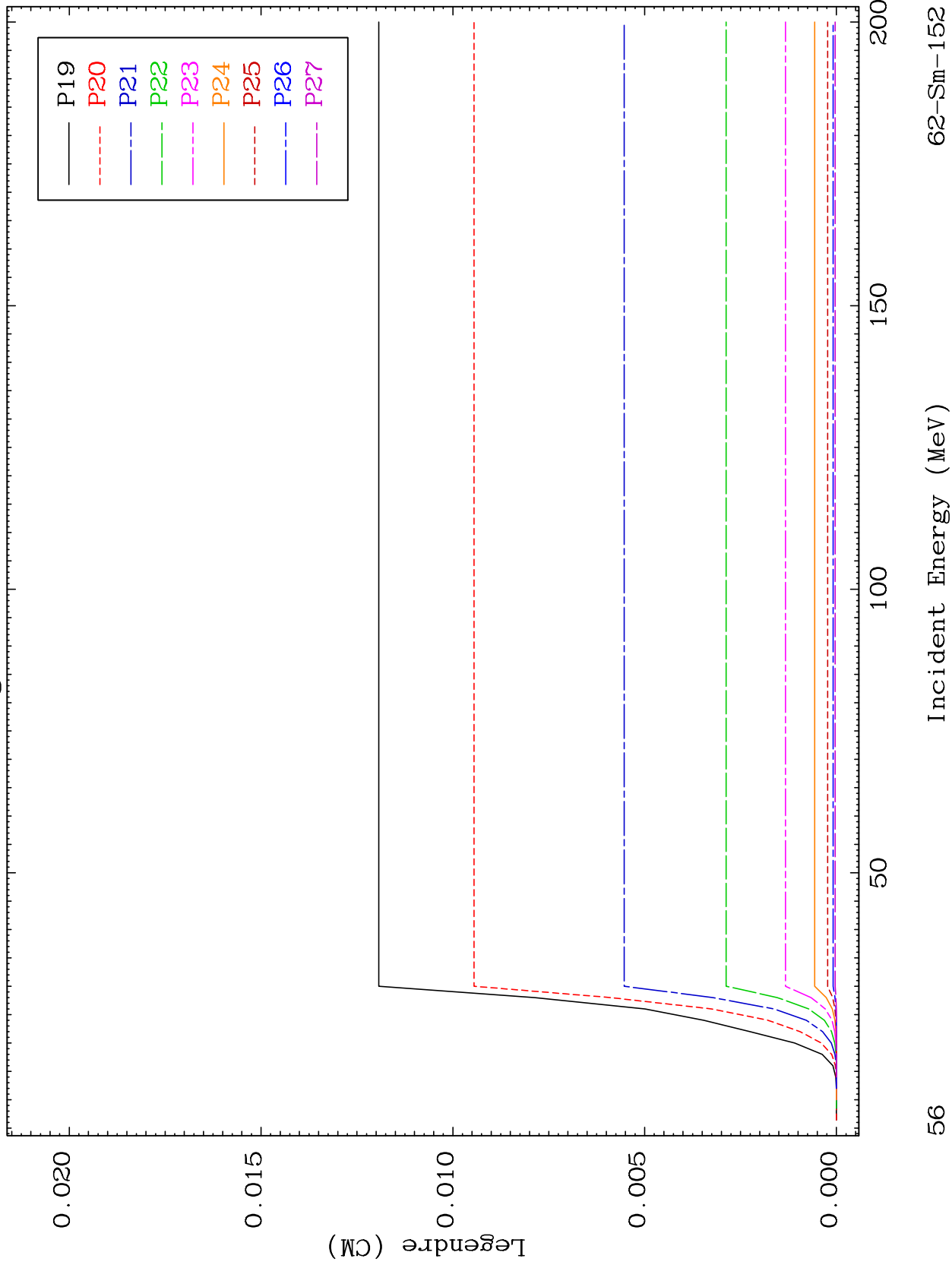
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



56

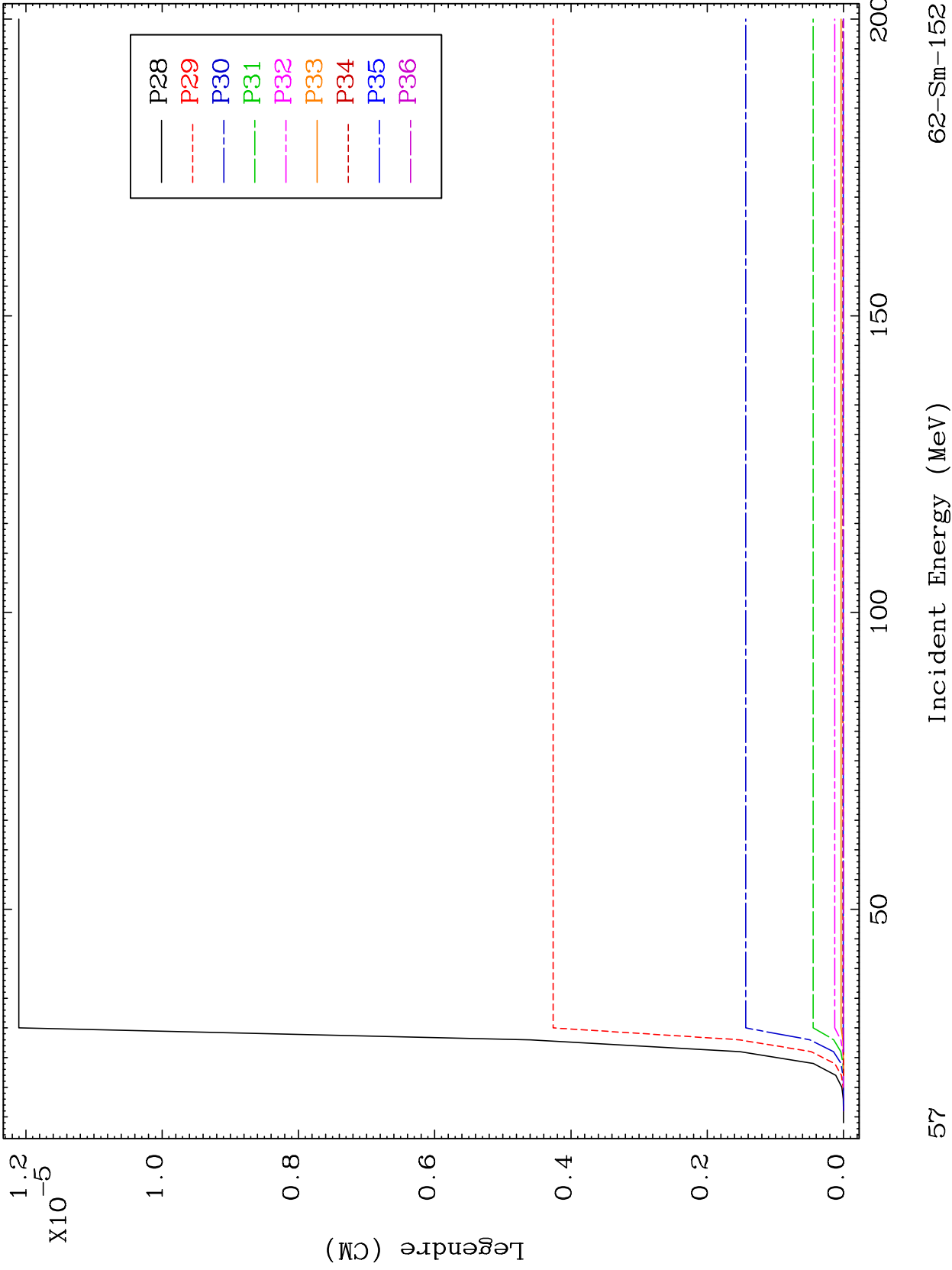
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



57

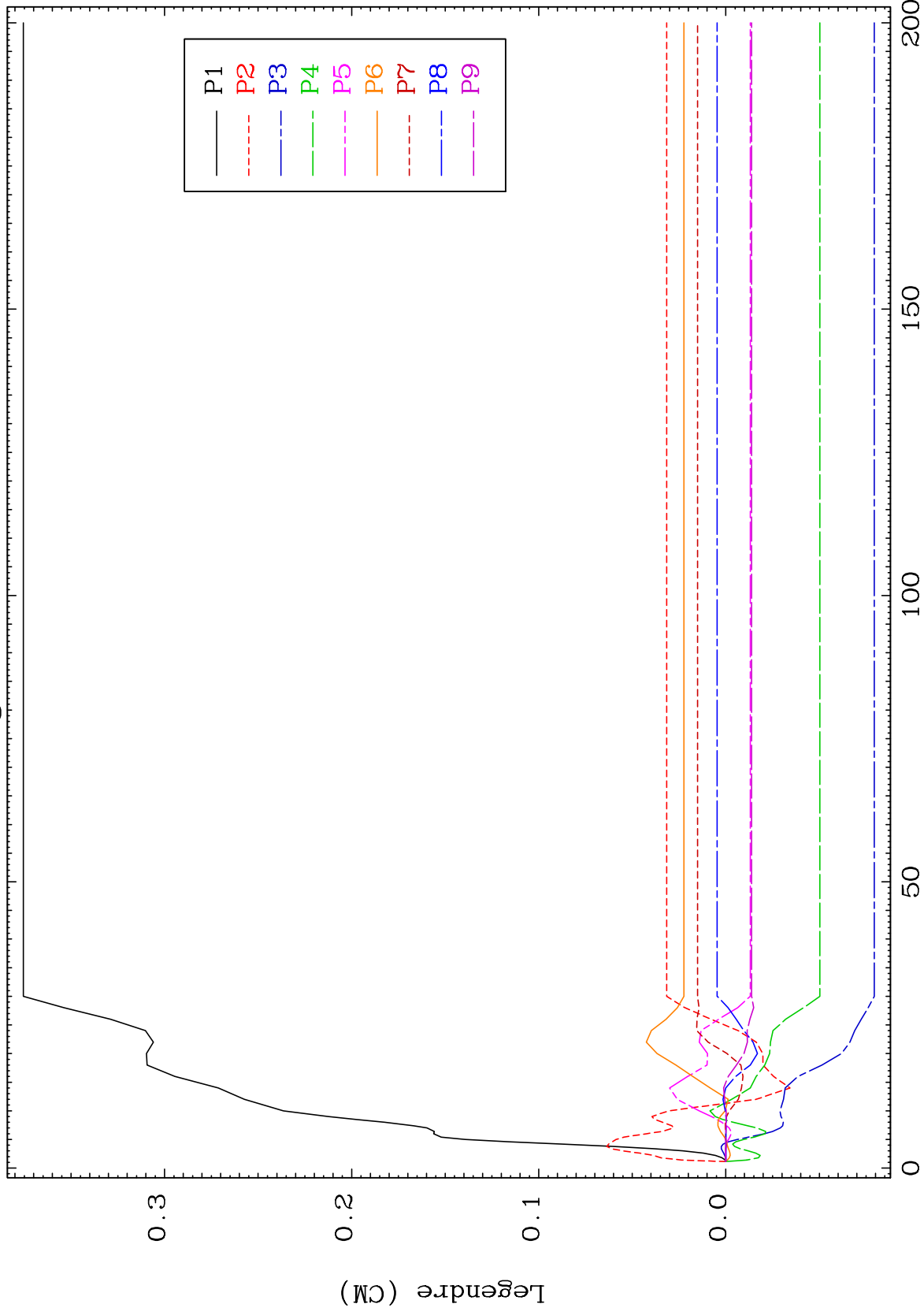
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



58

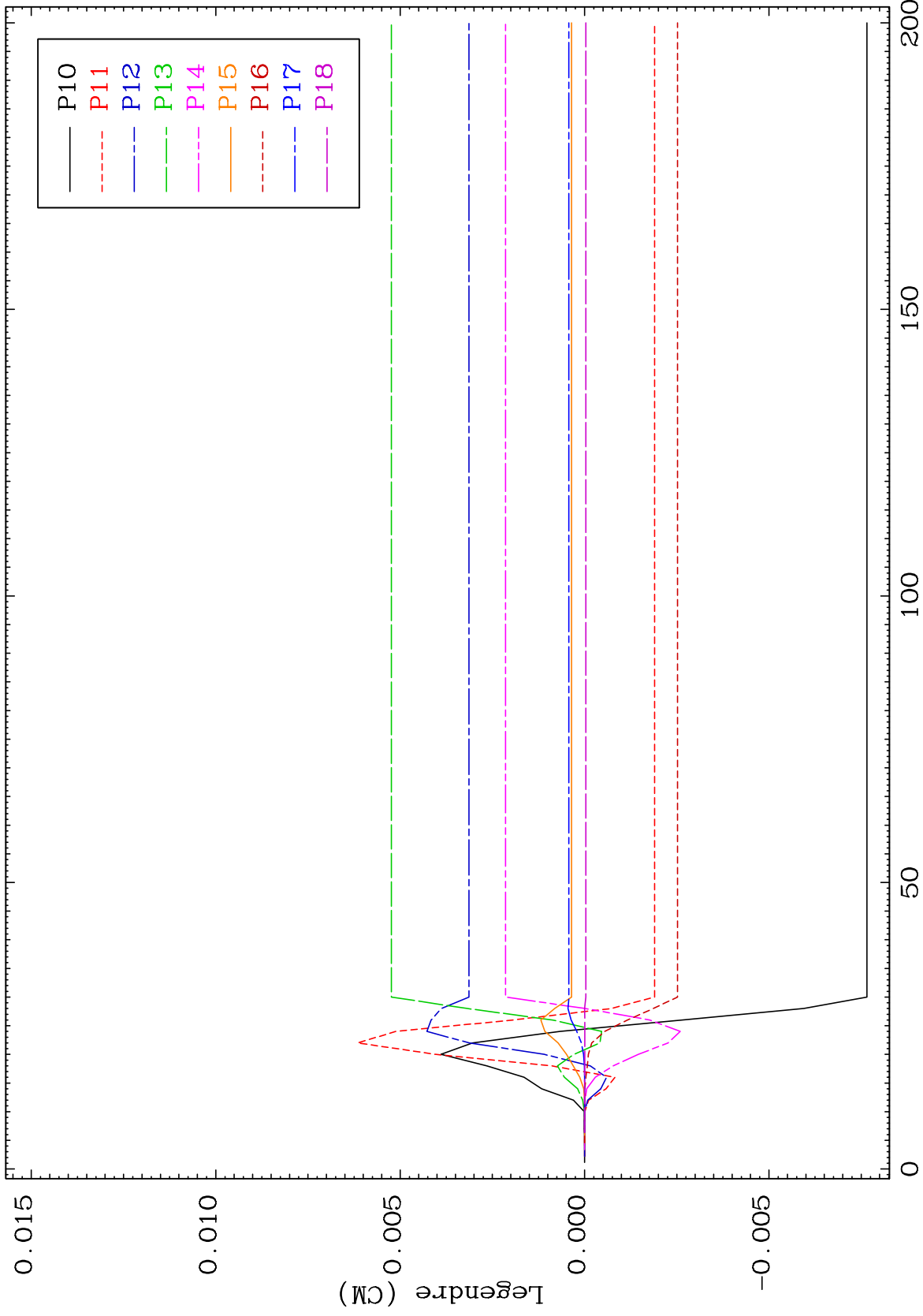
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



59

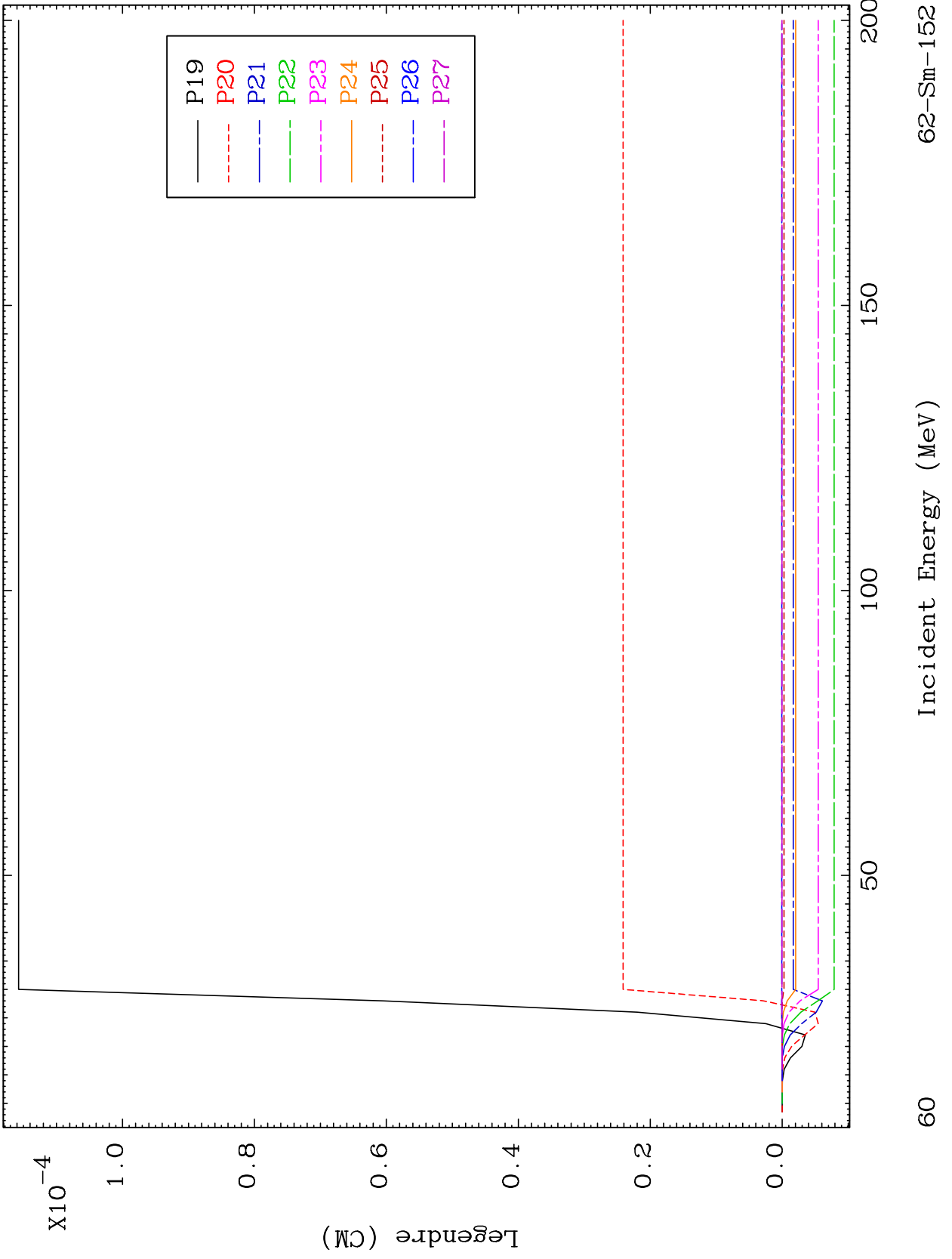
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

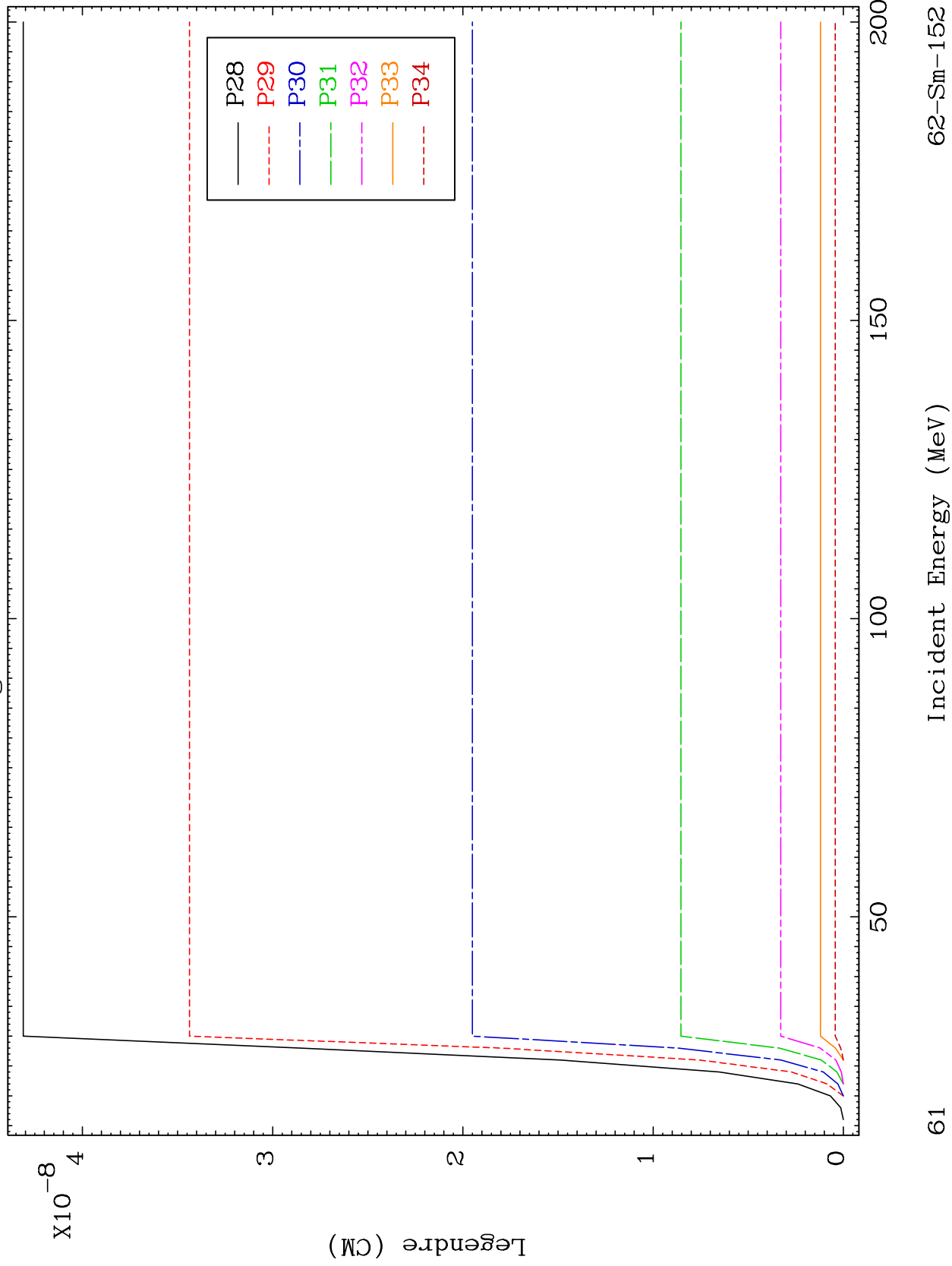
Incident Energy (MeV)

60

MAT 6249

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

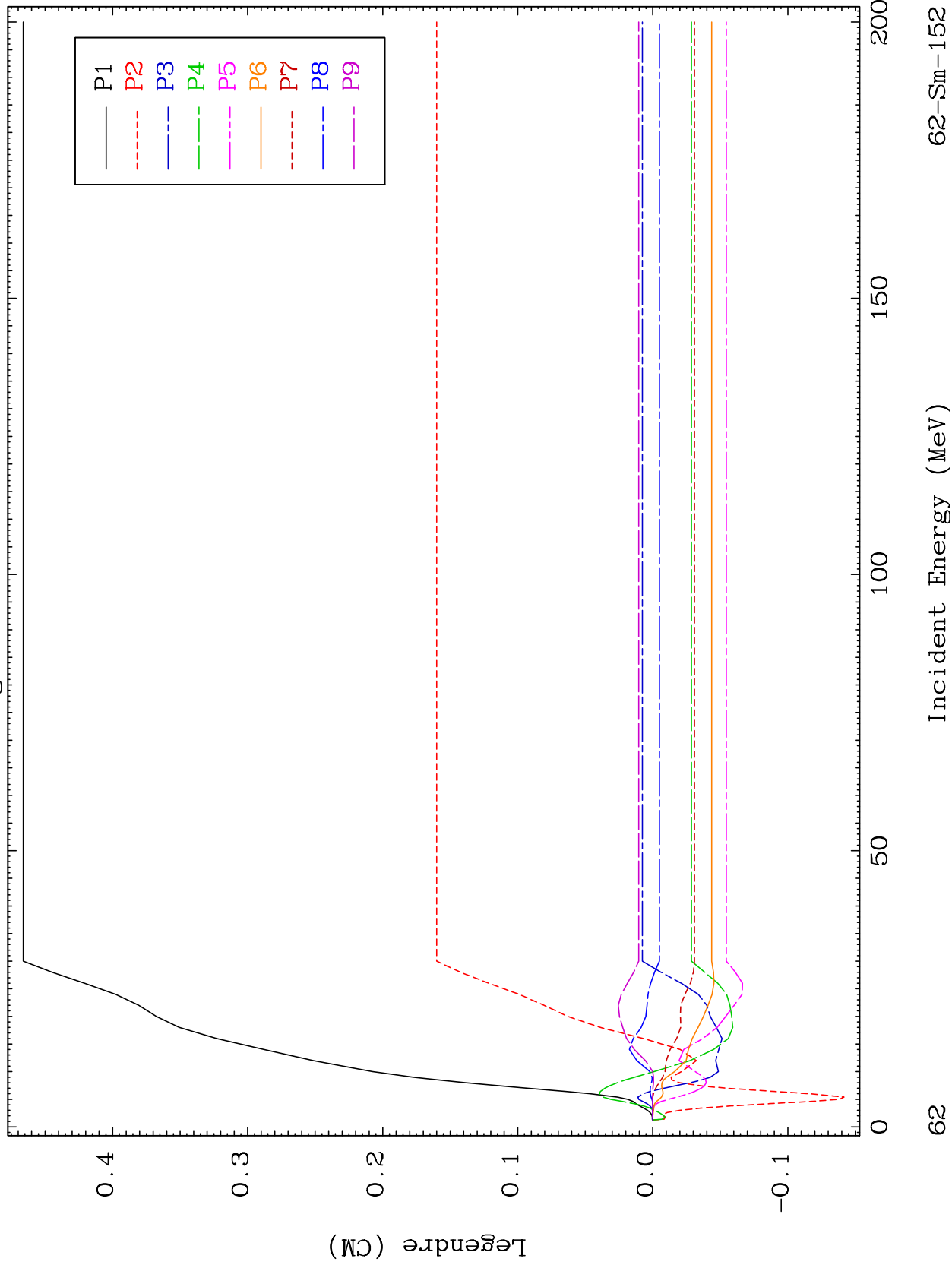
62-Sm-152



MAT 6249

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

62-Sm-152



62-Sm-152

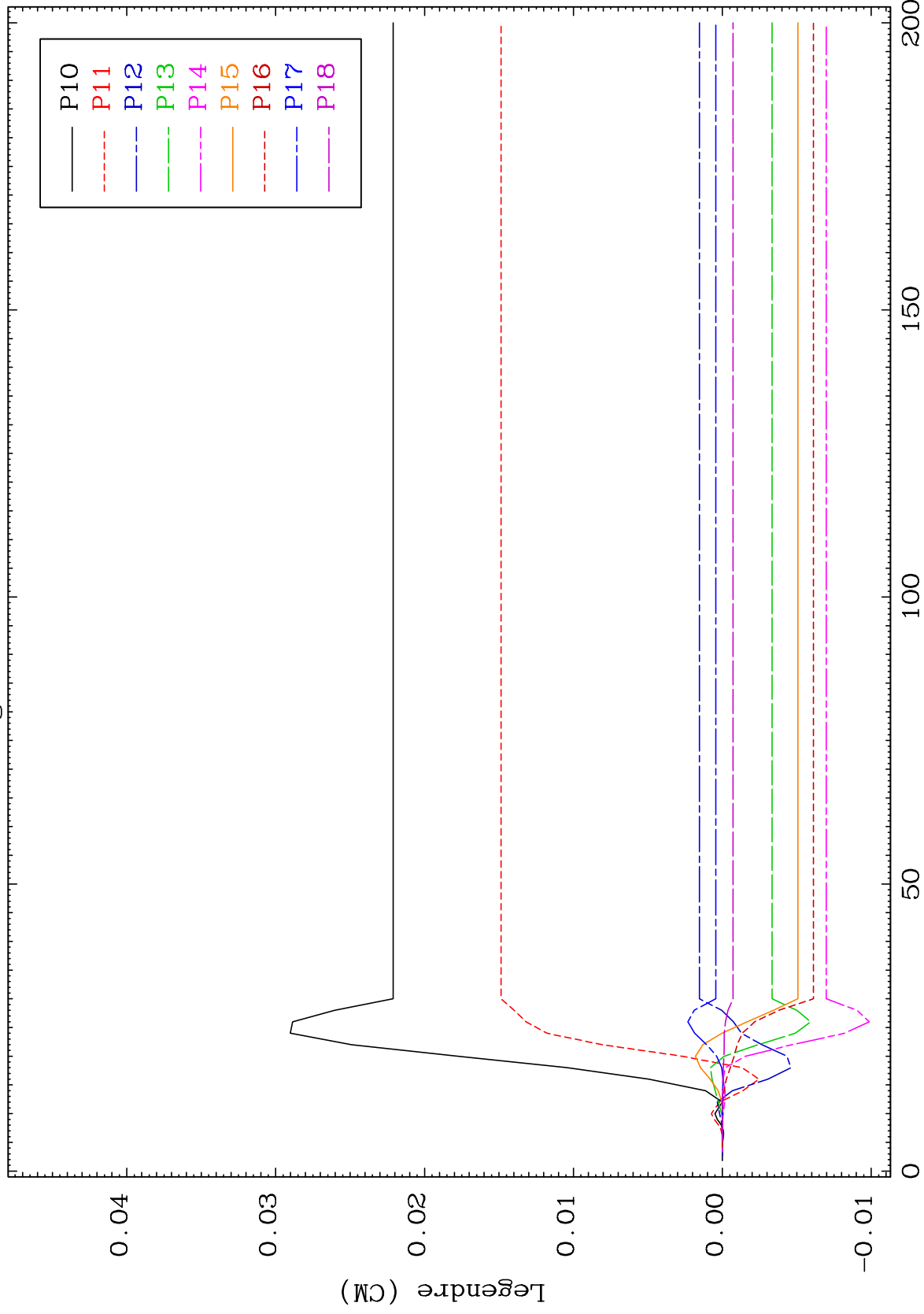
Incident Energy (MeV)

62

MAT 6249

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

62-Sm-152



63

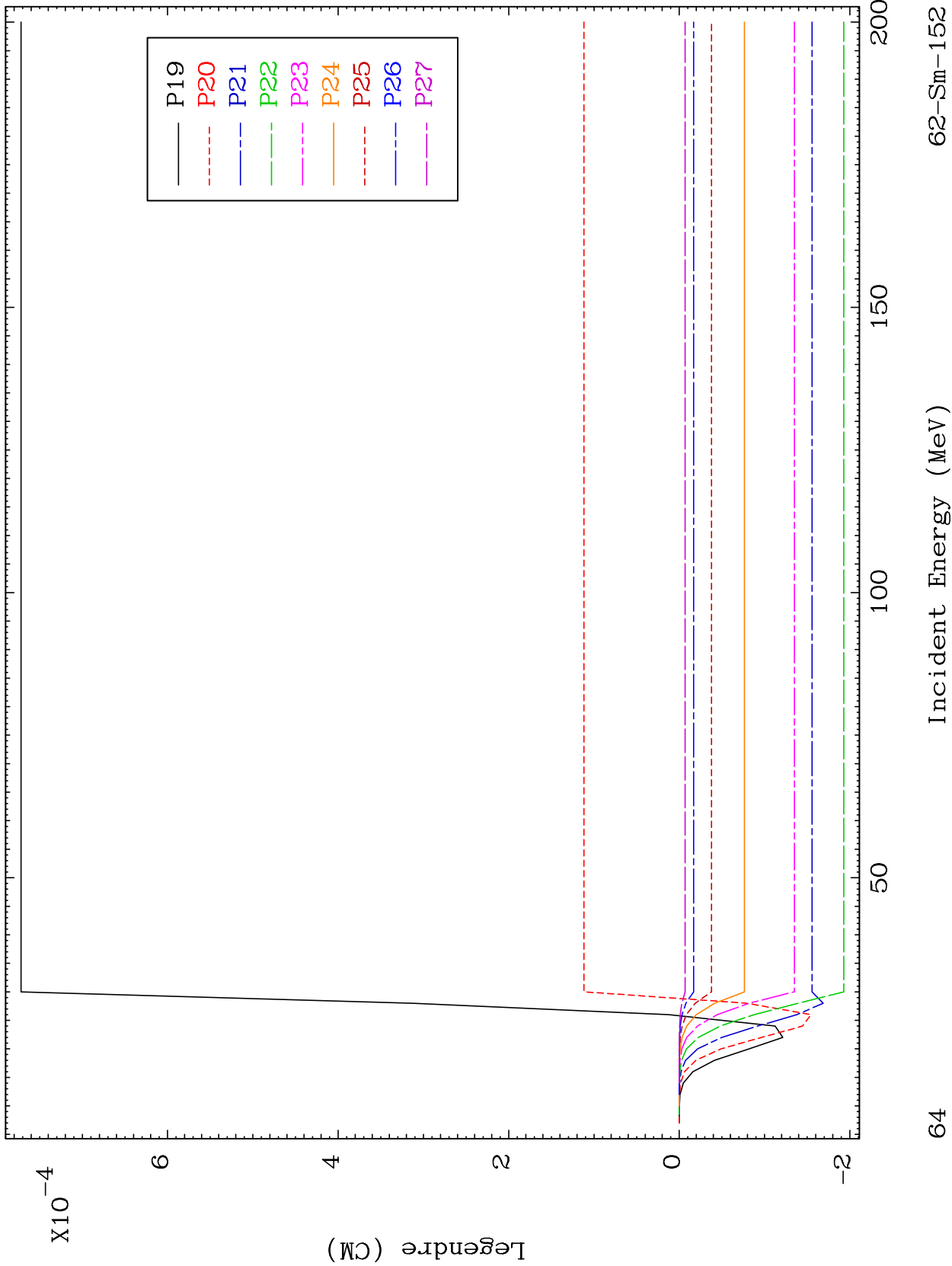
Incident Energy (MeV)

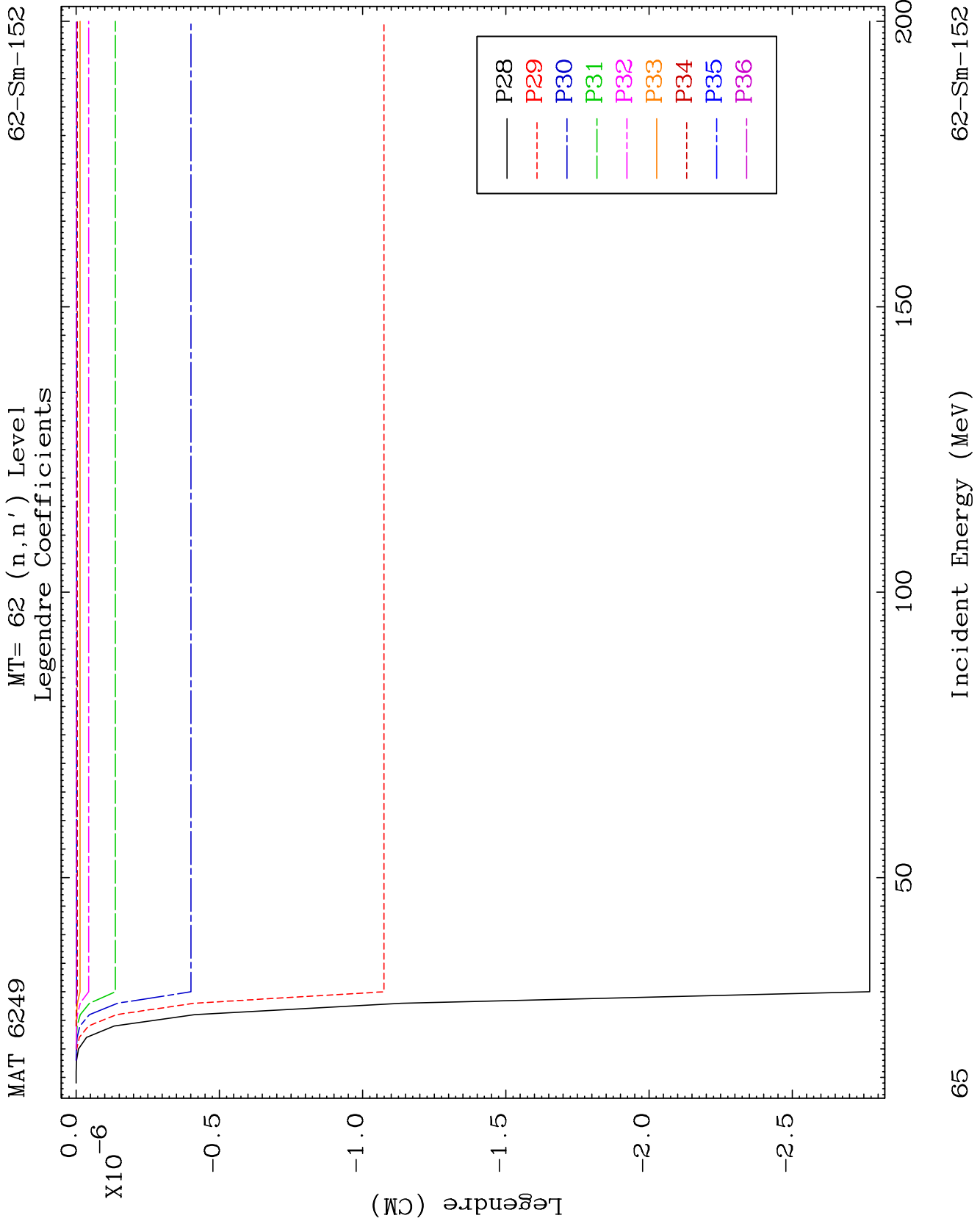
62-Sm-152

MAT 6249

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

62-Sm-152

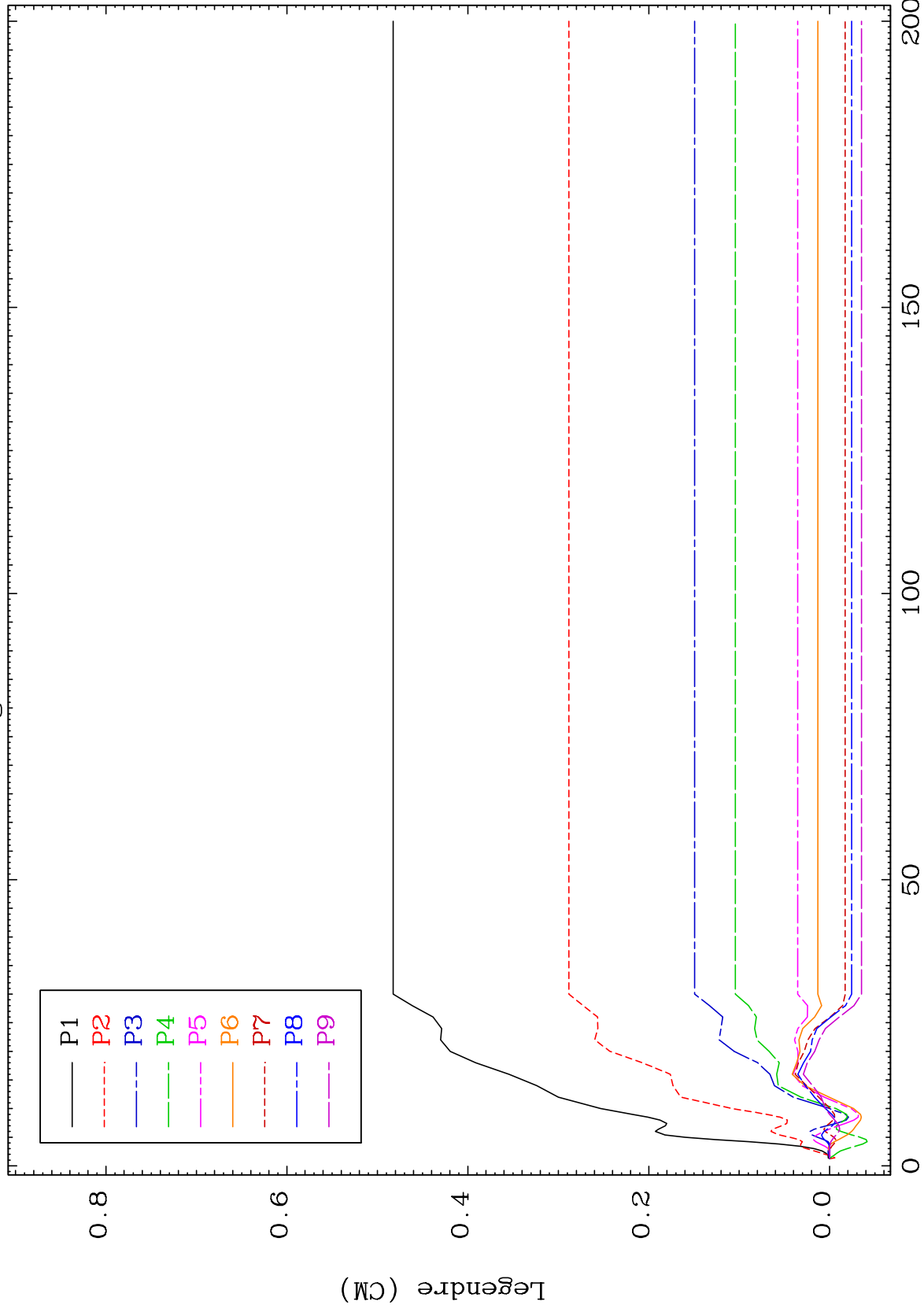




MAT 6249

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

62-Sm-152



66

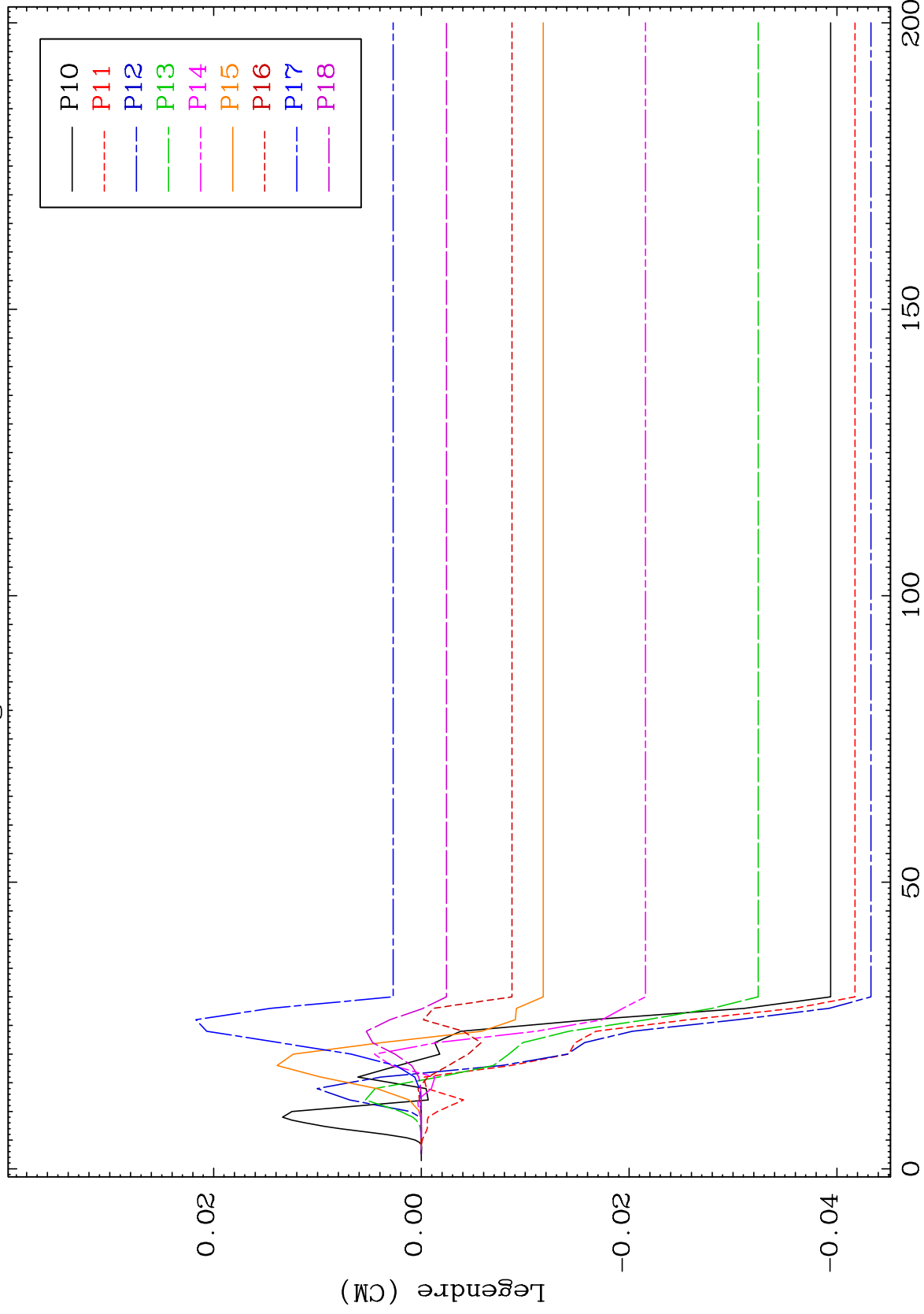
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



67

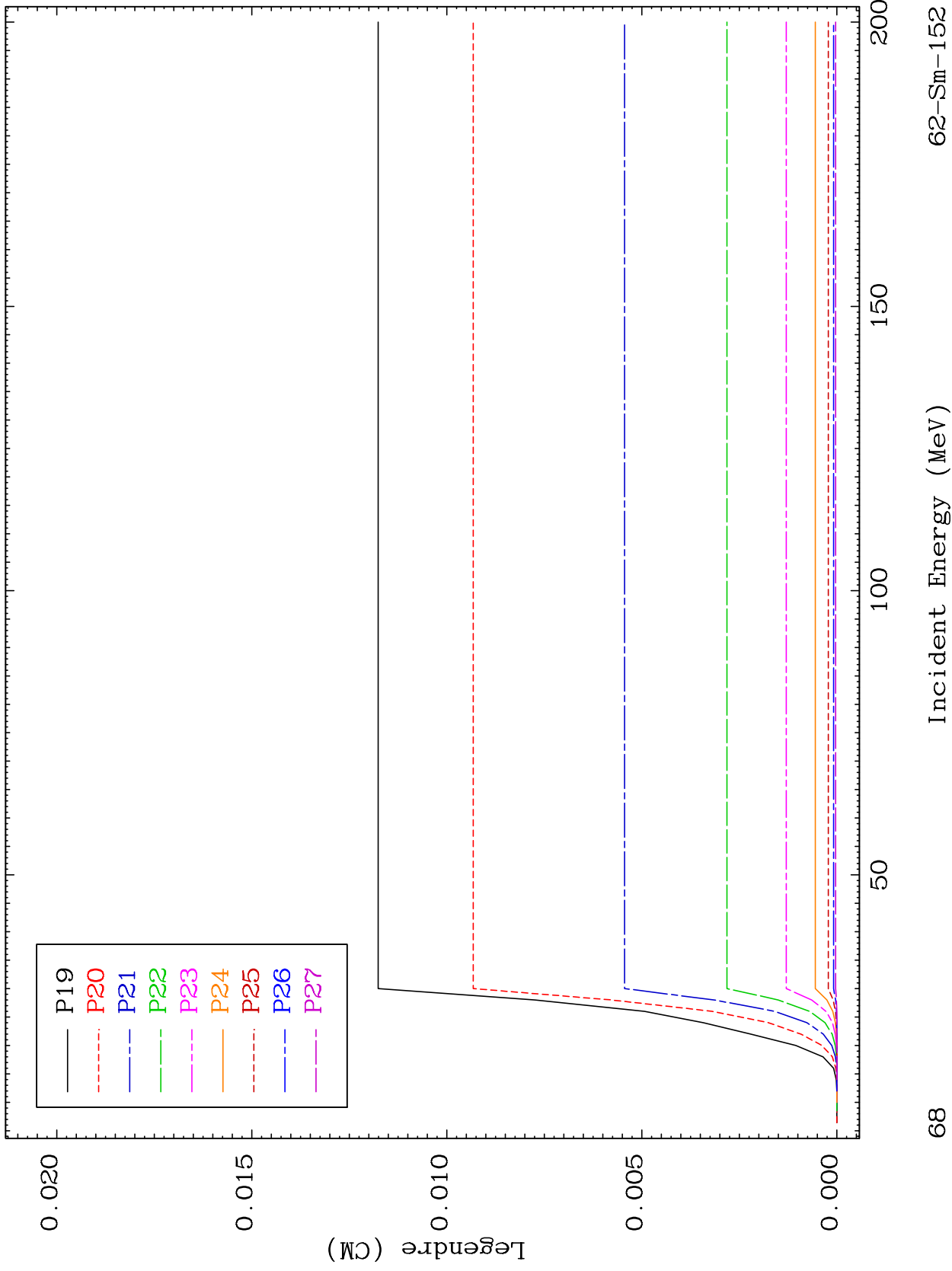
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



68

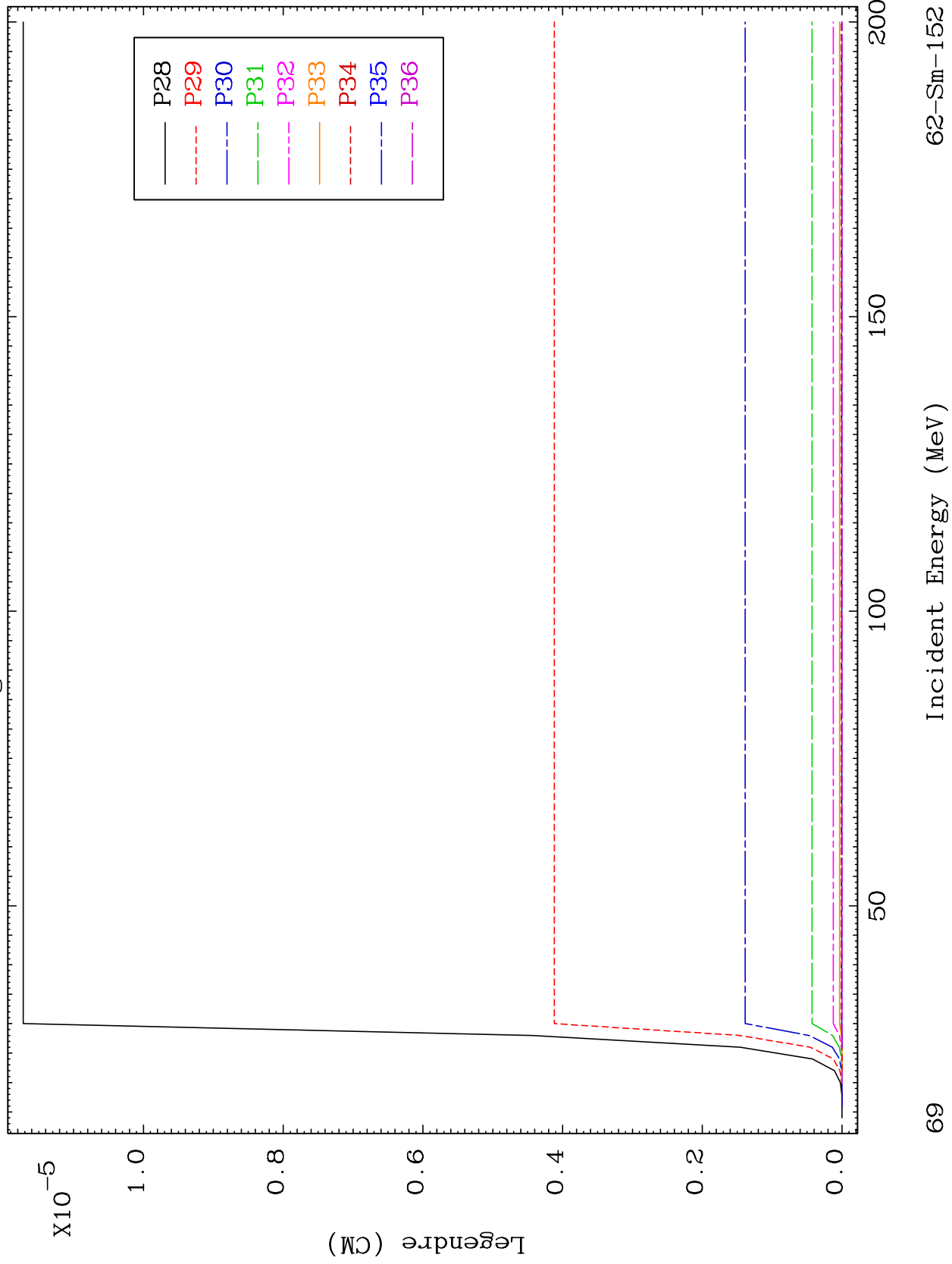
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

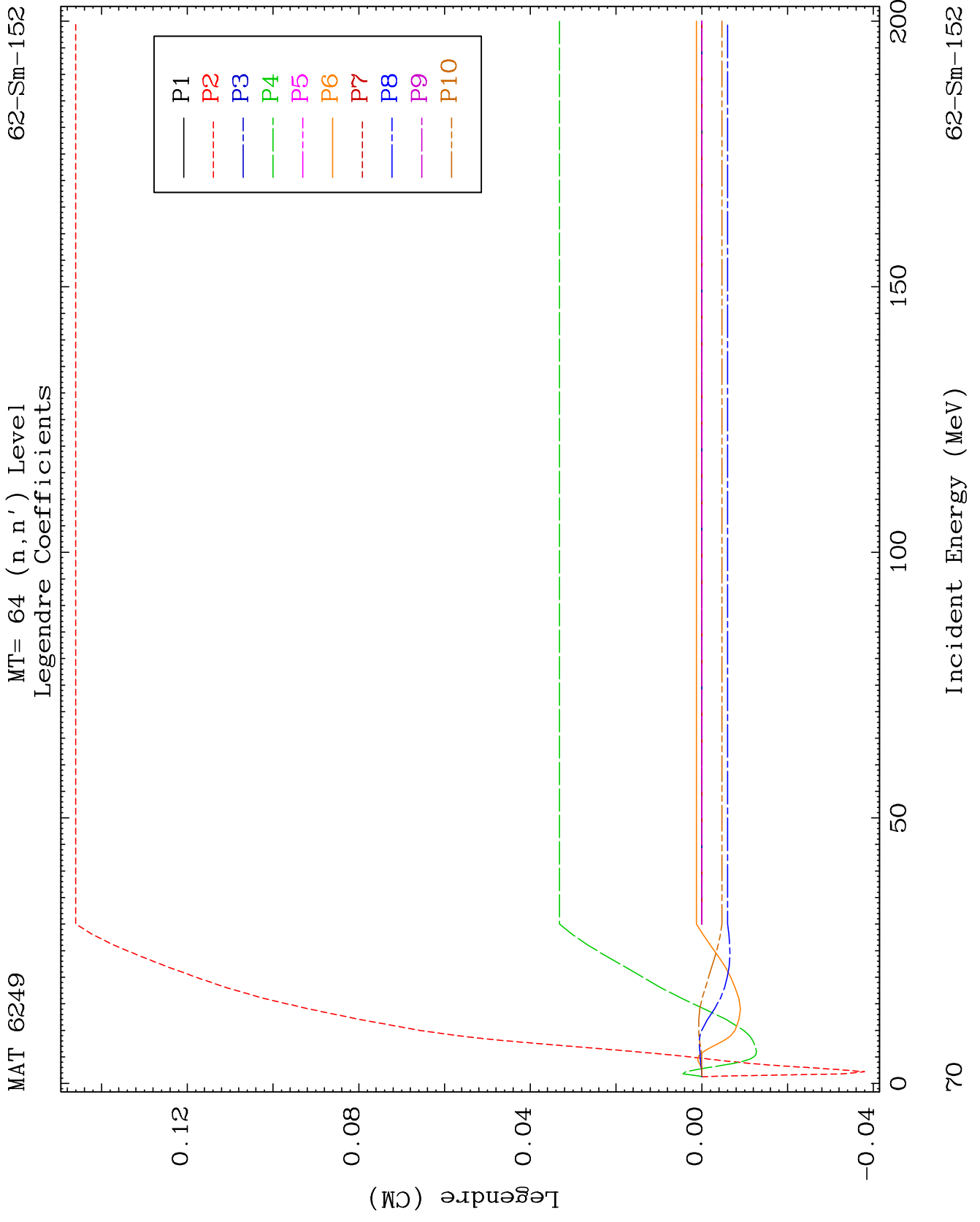
62-Sm-152



69

Incident Energy (MeV)

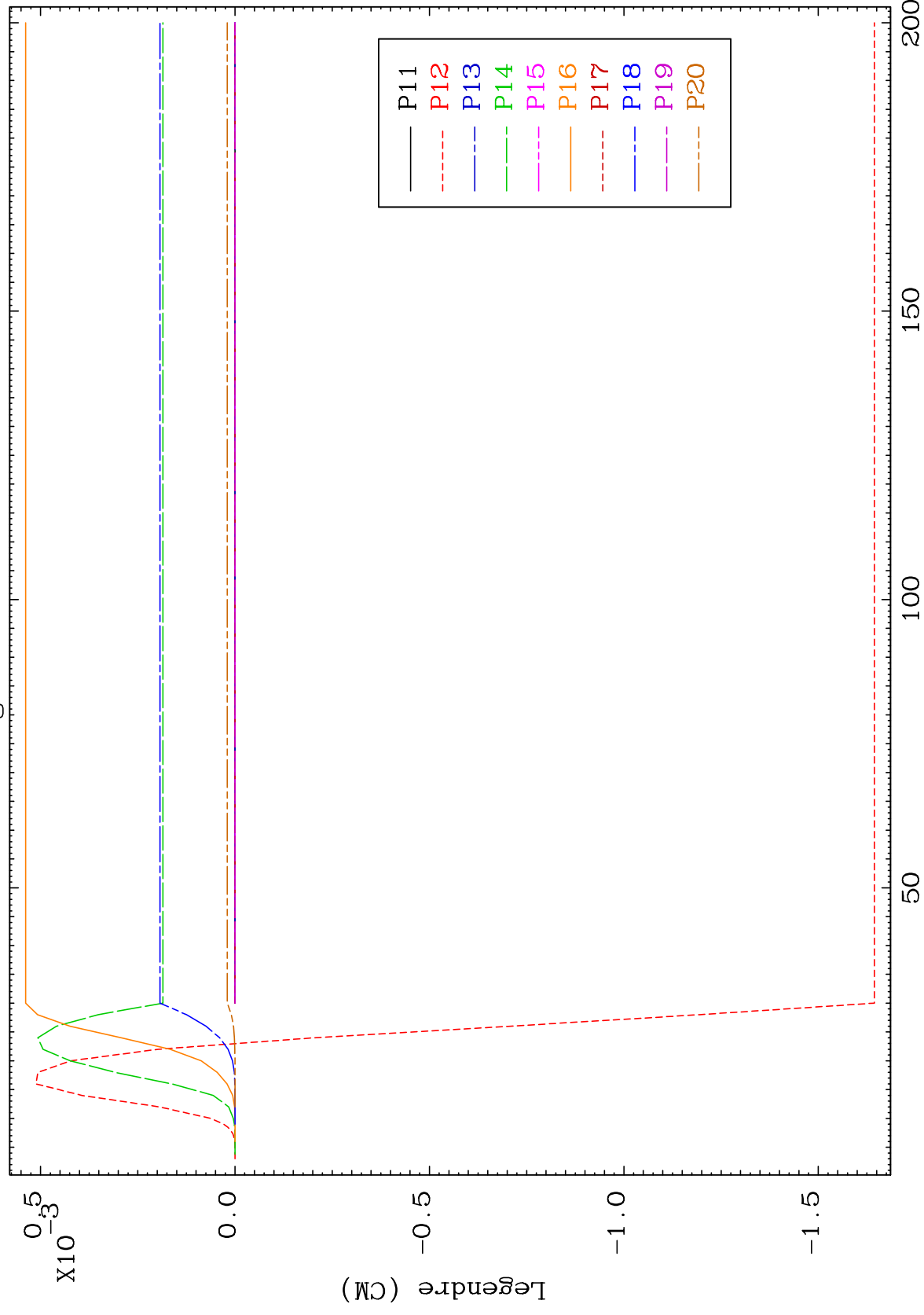
62-Sm-152



MAT 6249

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

62-Sm-152



71

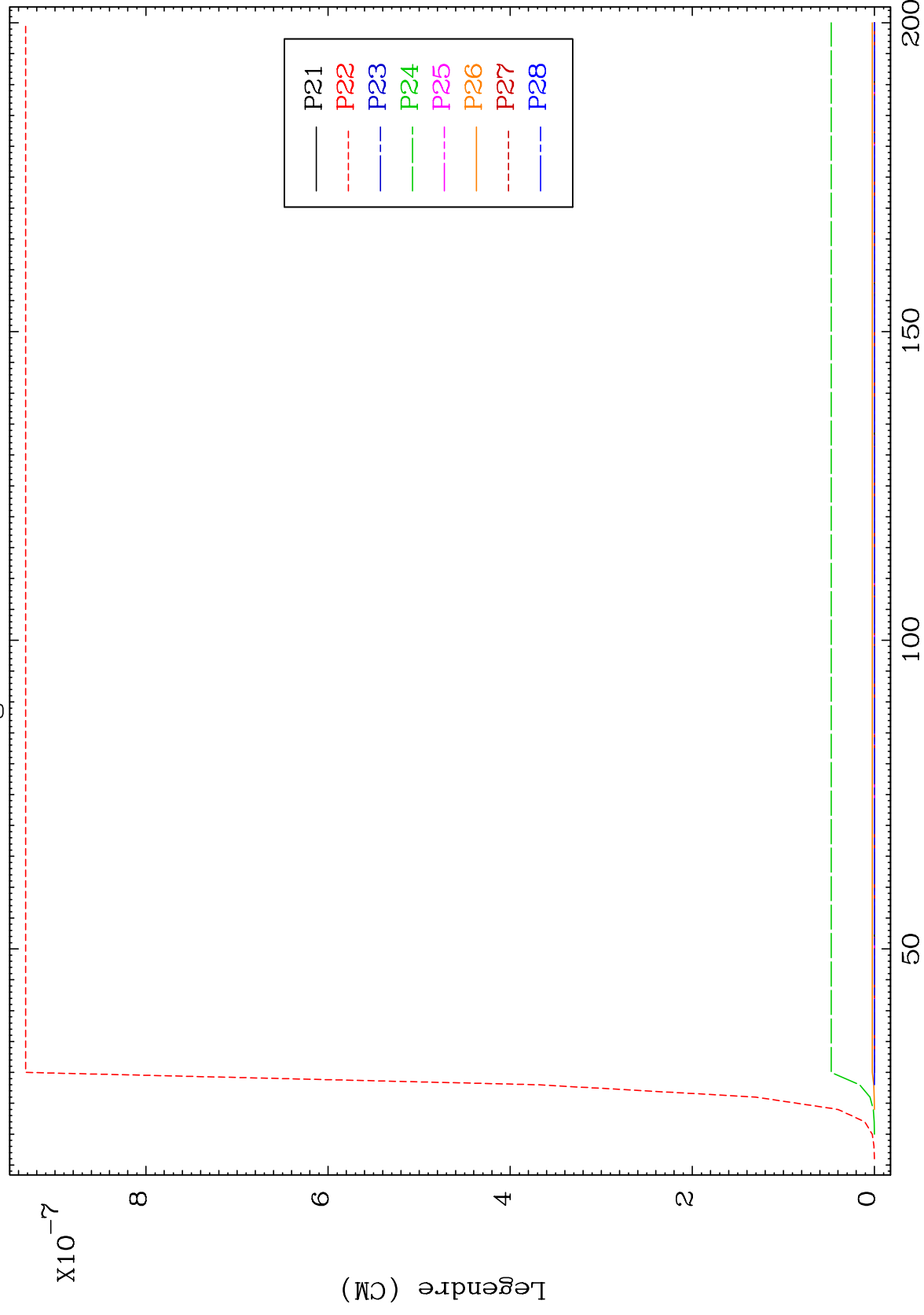
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



72

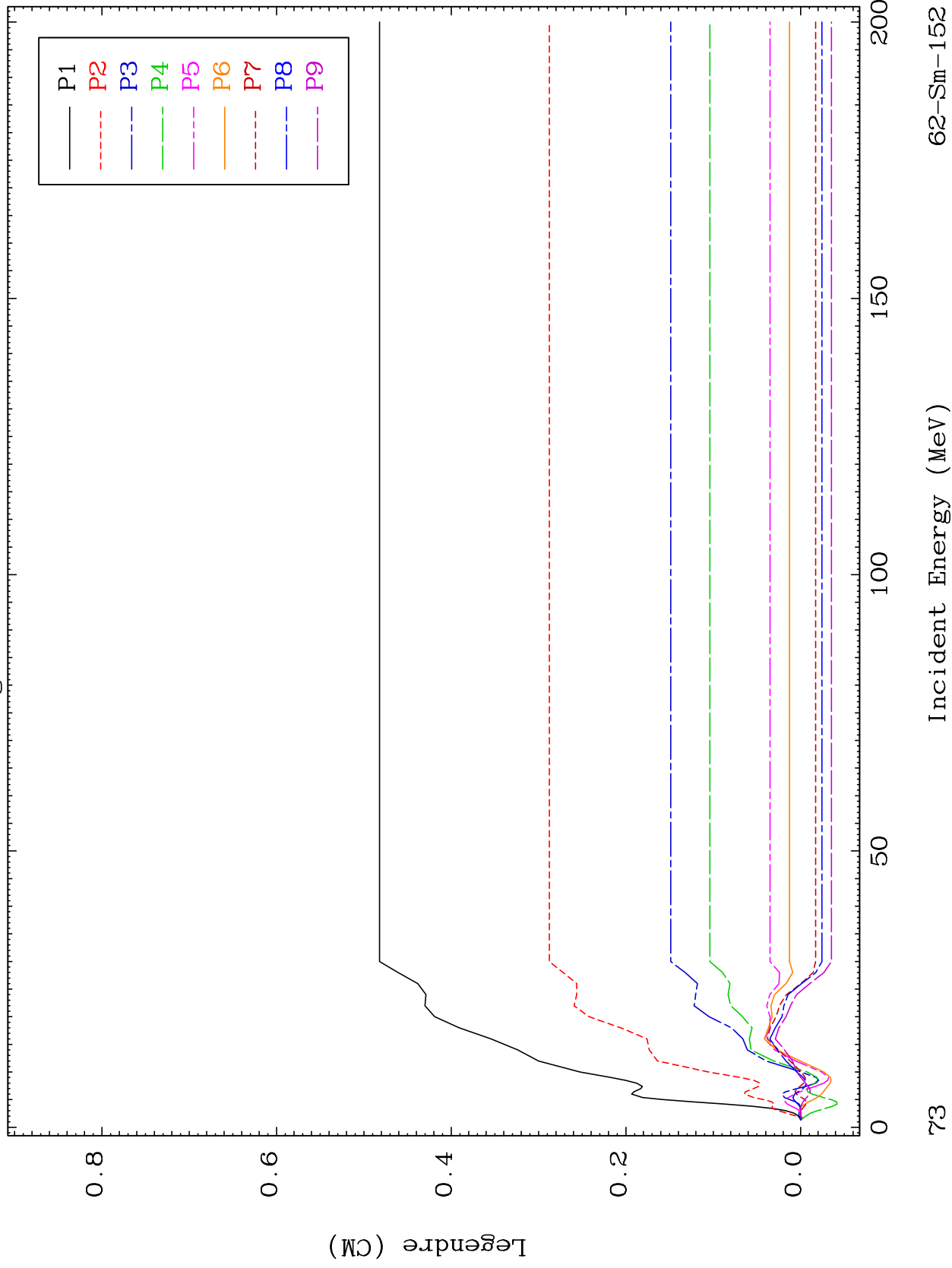
Incident Energy (MeV)

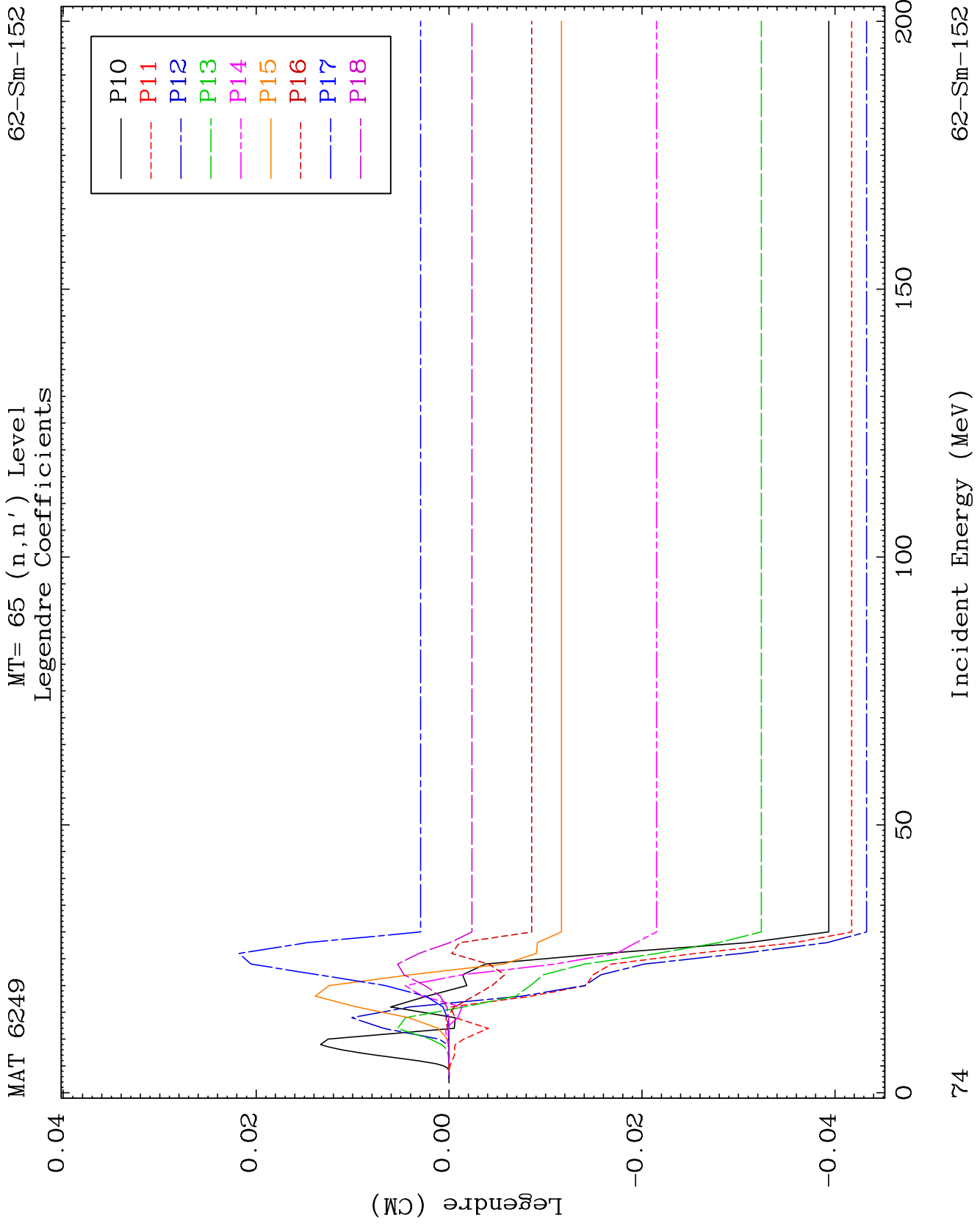
62-Sm-152

MAT 6249

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

62-Sm-152

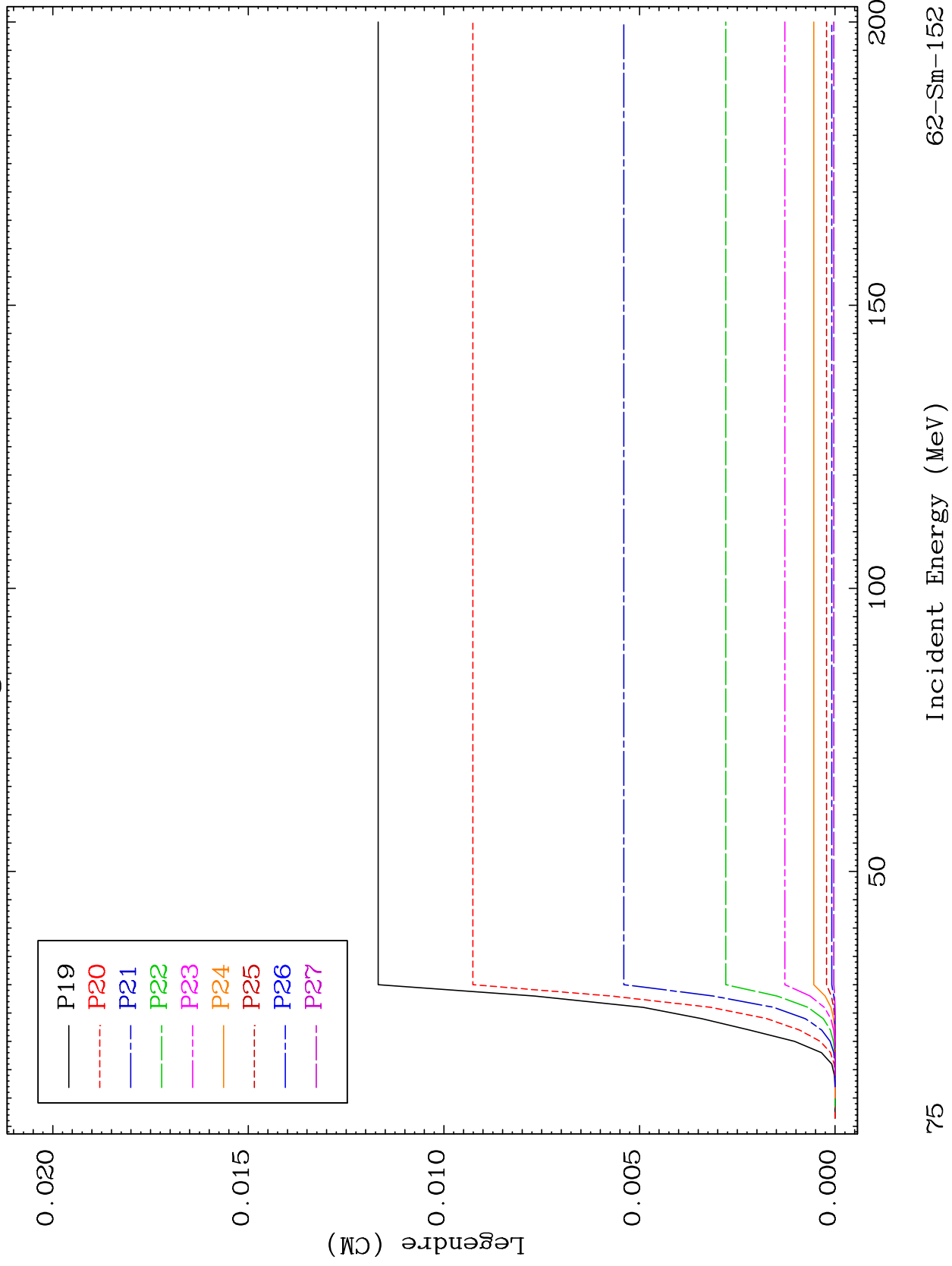




MAT 6249

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

62-Sm-152



75

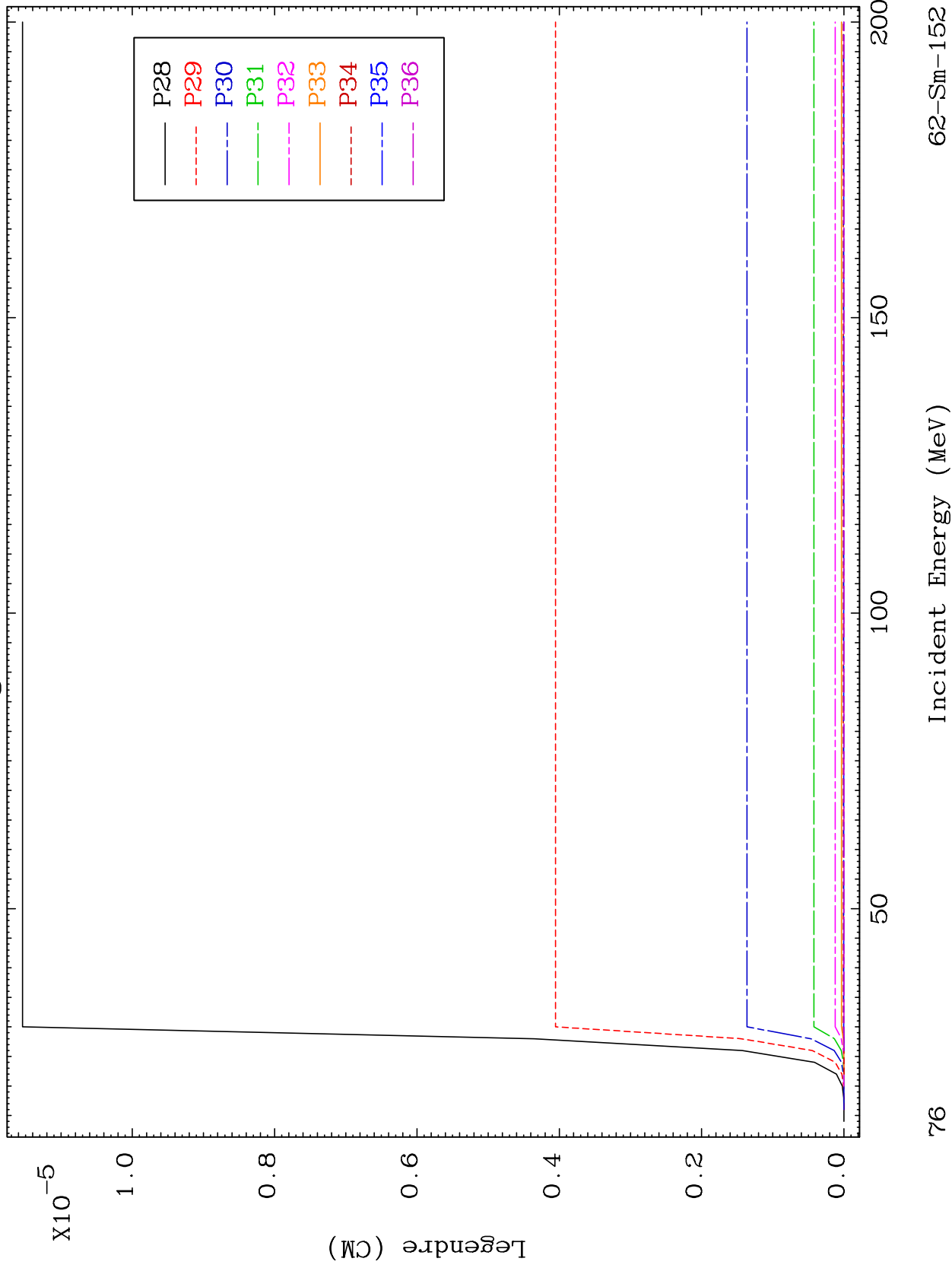
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



76

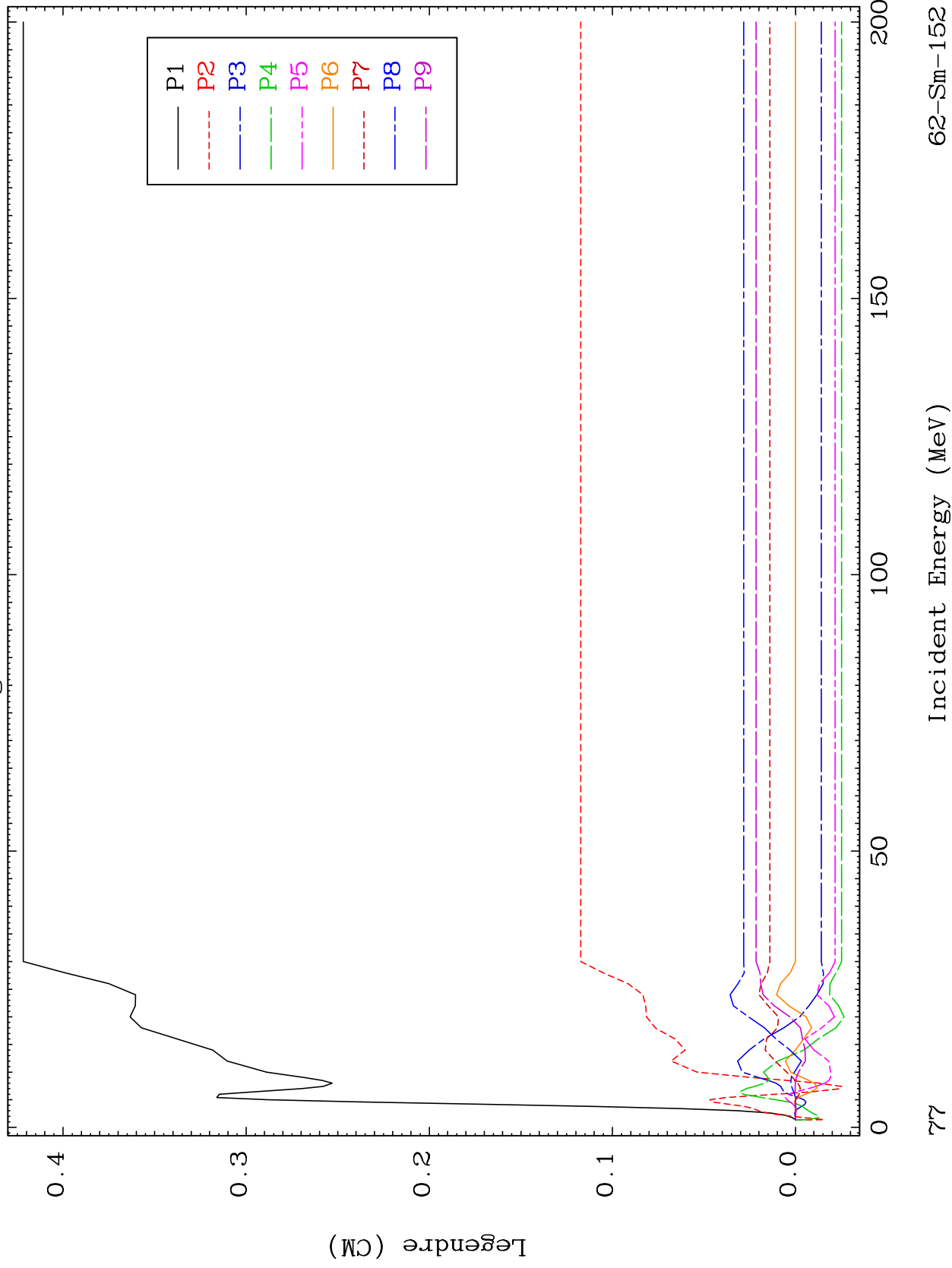
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



77

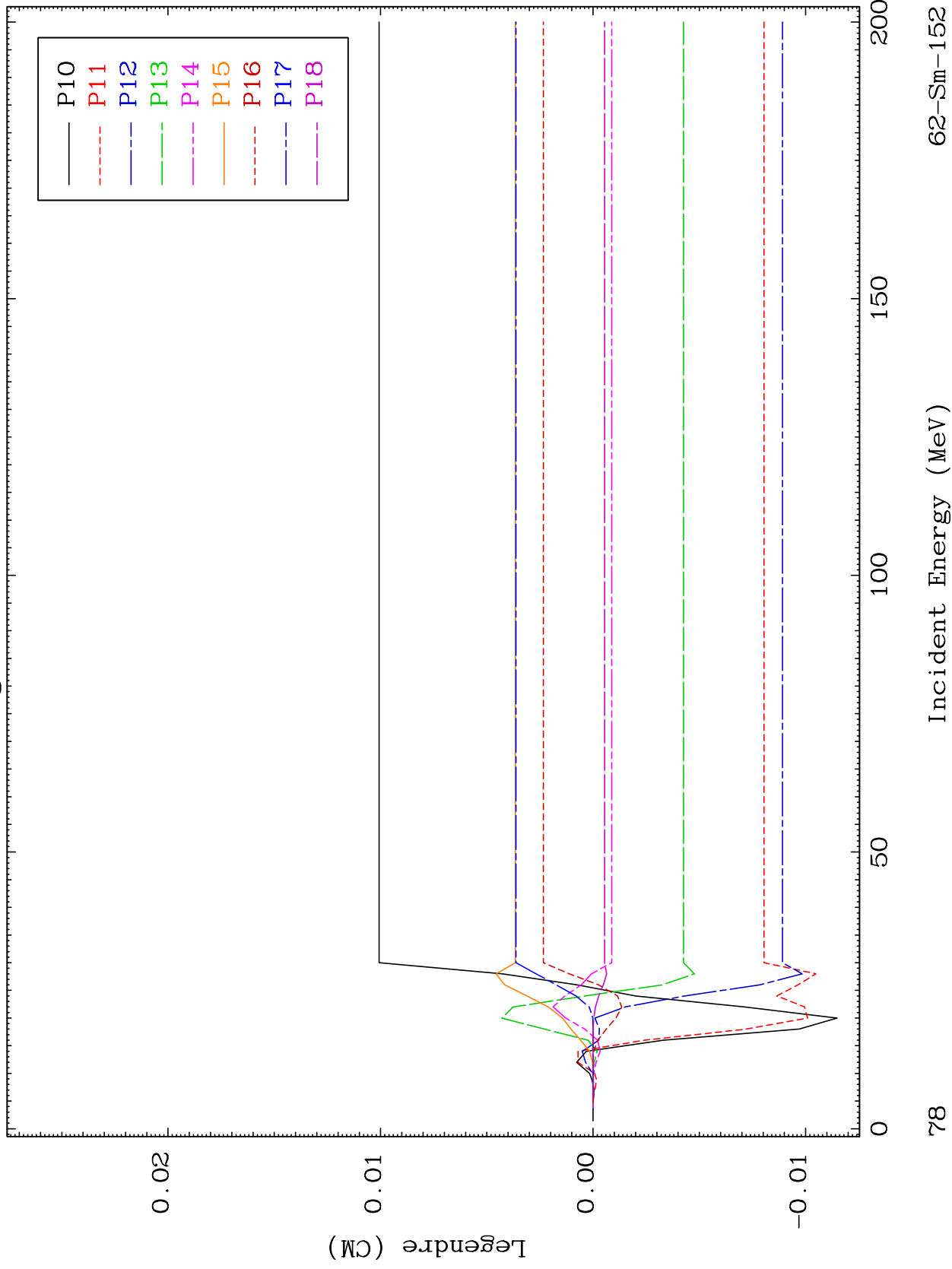
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

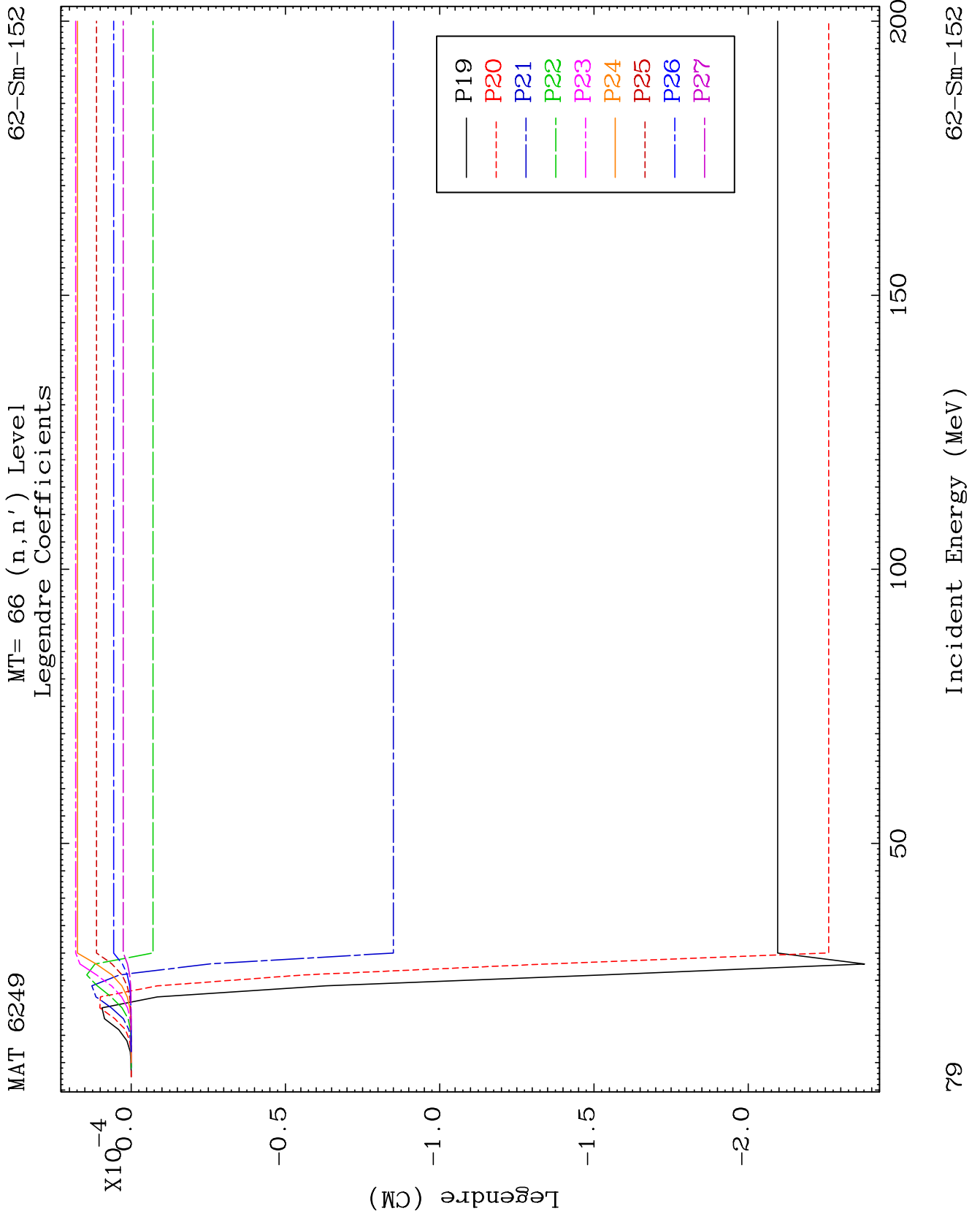
62-Sm-152



78

Incident Energy (MeV)

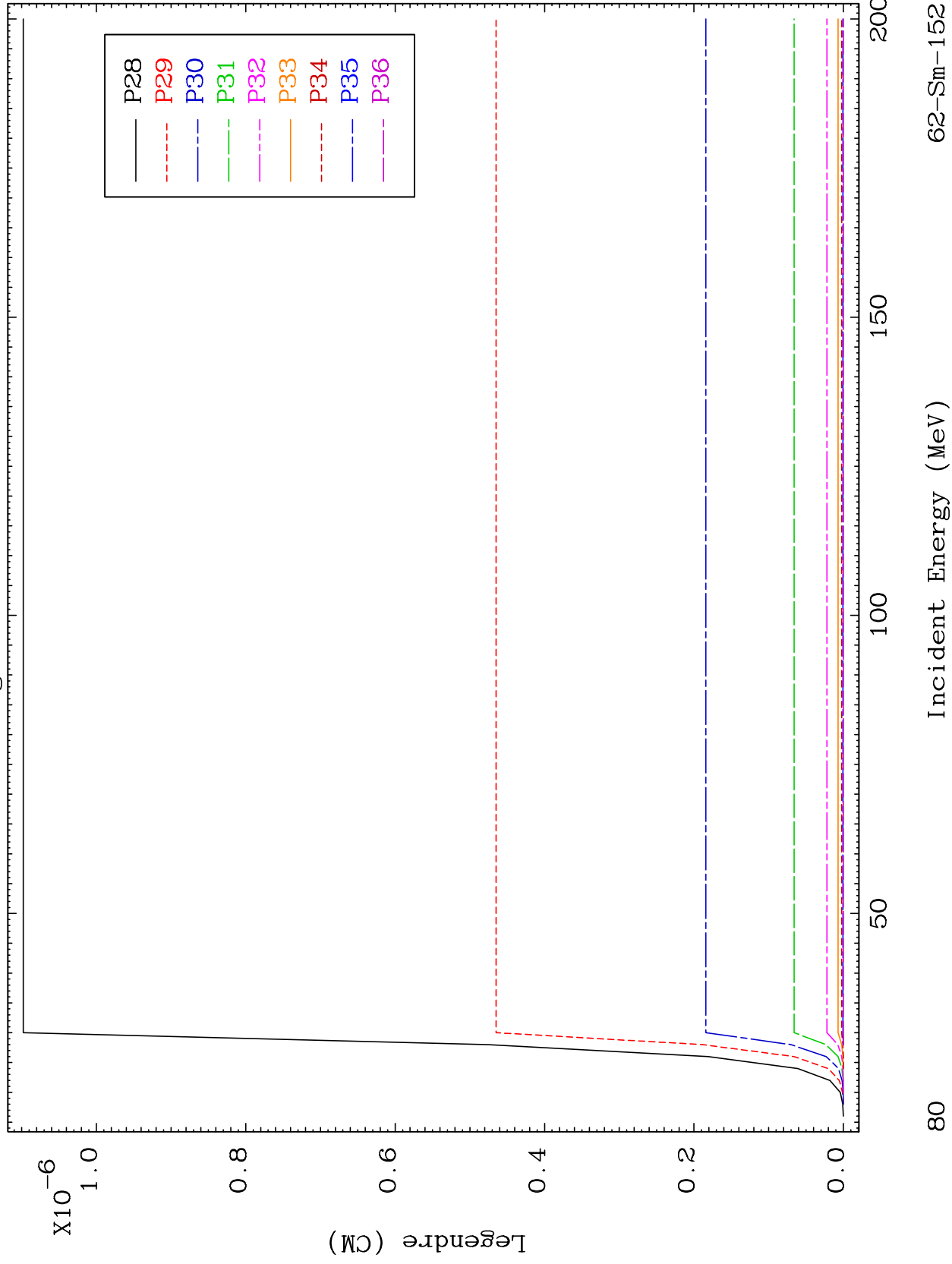
62-Sm-152



MAT 6249

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

62-Sm-152



62-Sm-152

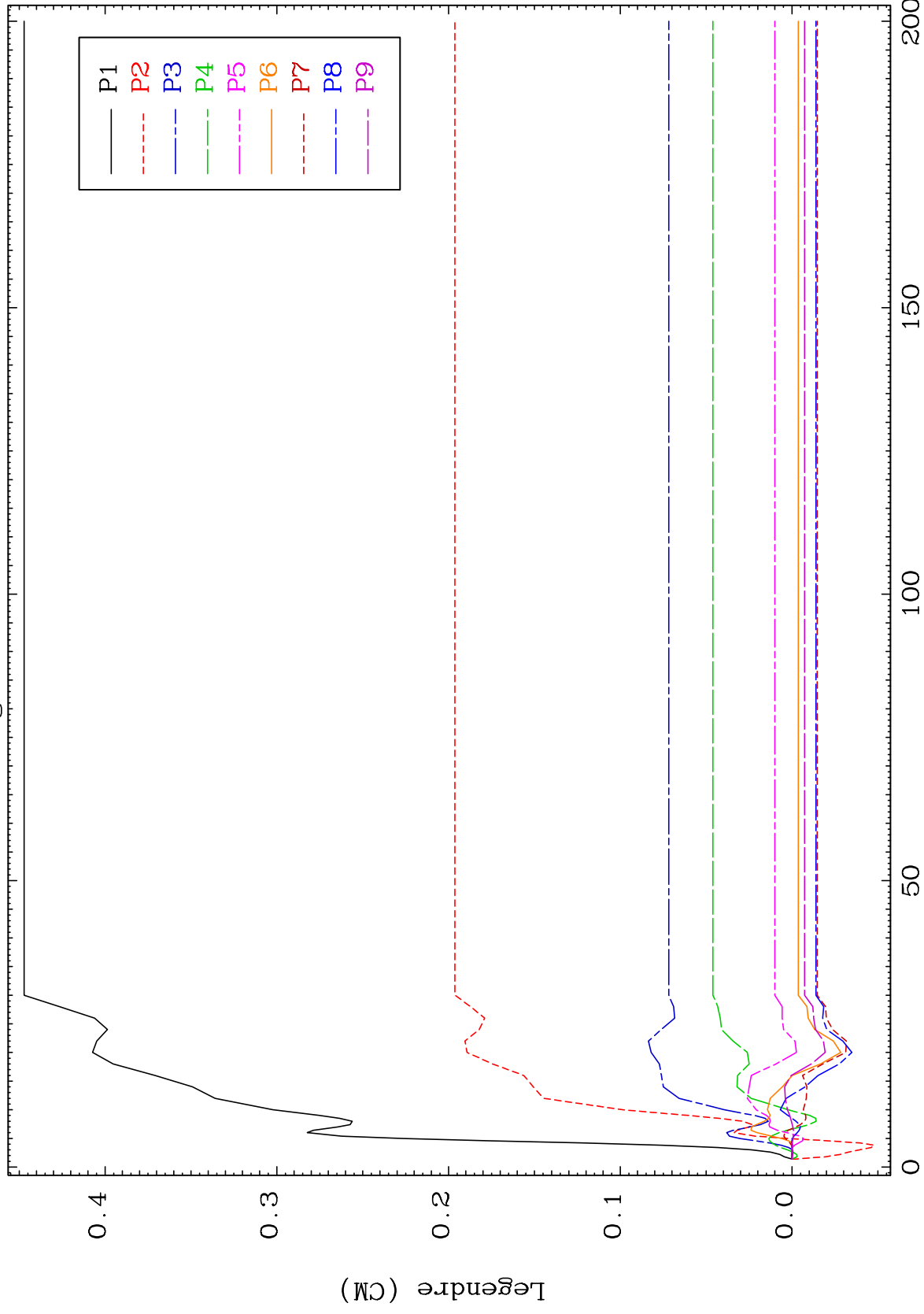
Incident Energy (MeV)

80

MAT 6249

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

62-Sm-152



81

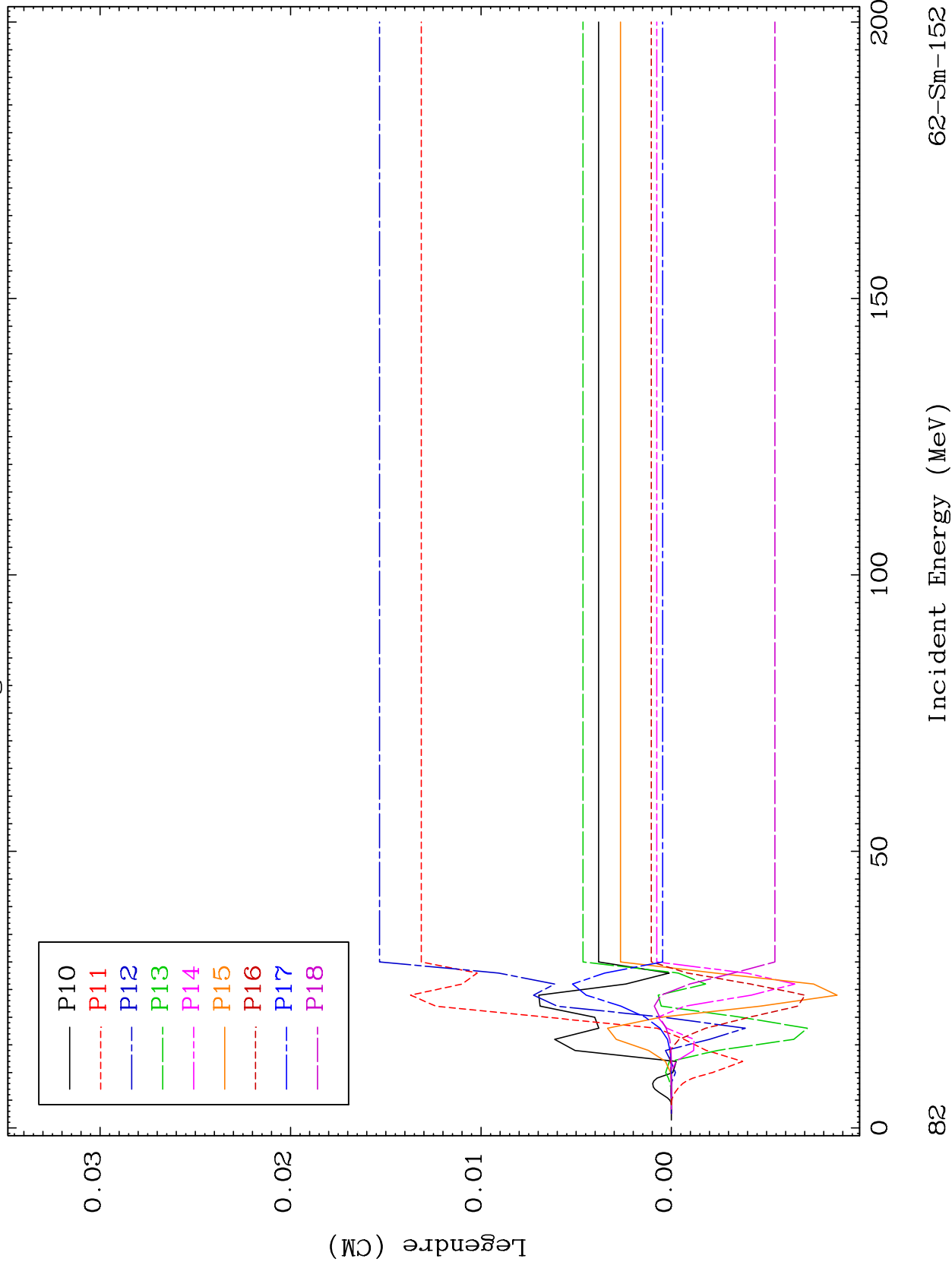
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



82

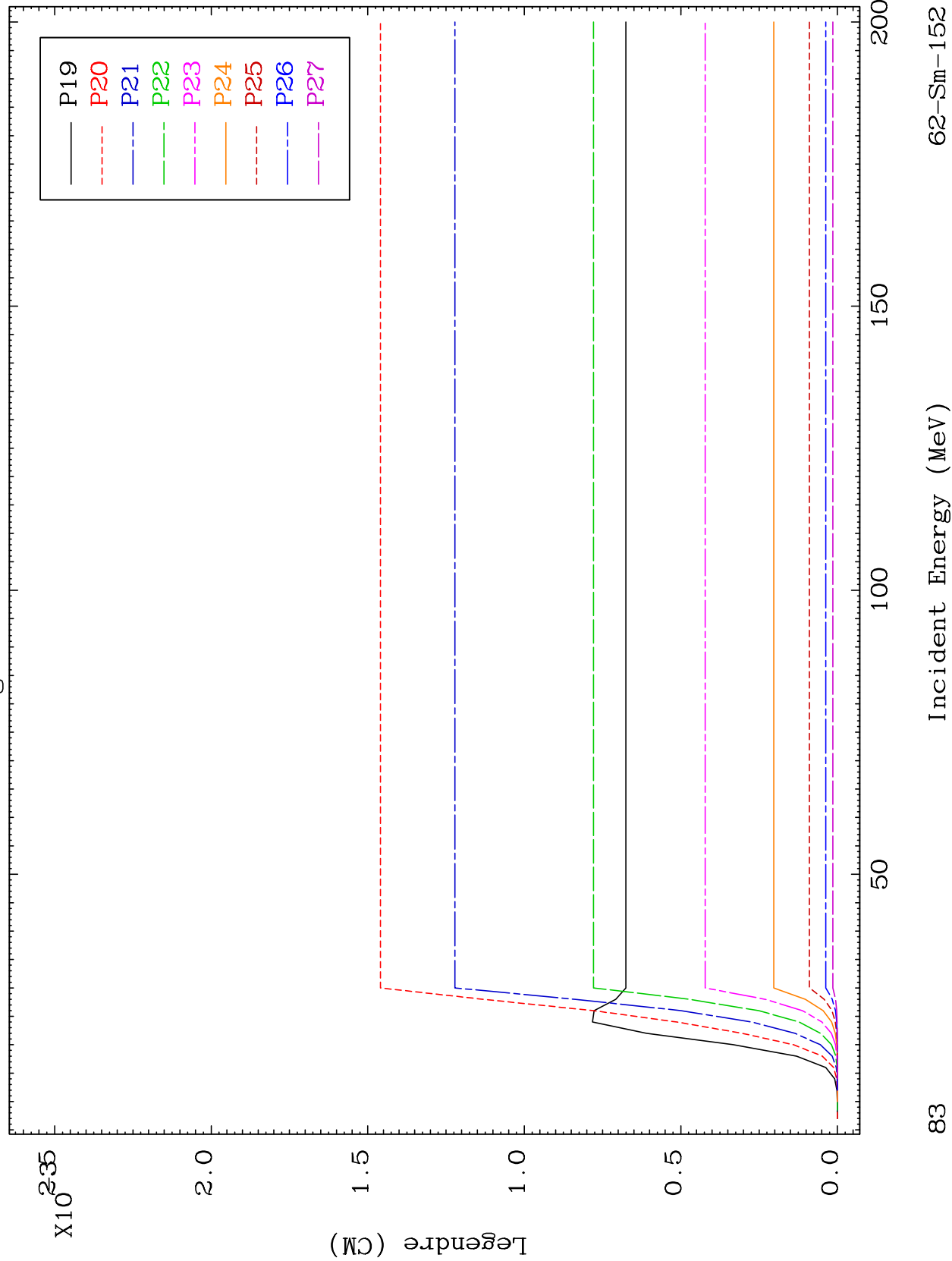
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



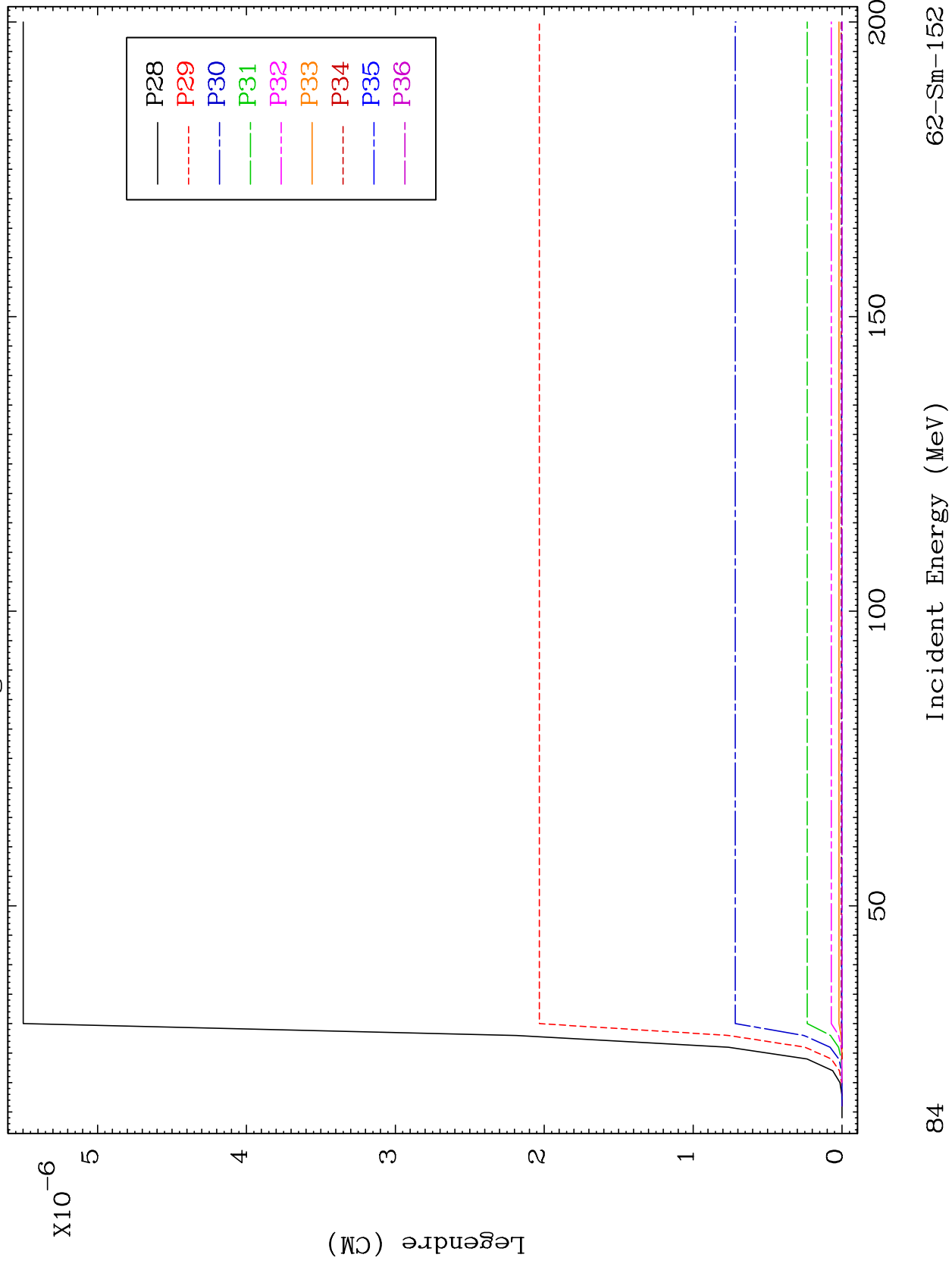
83

62-Sm-152

MAT 6249

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

62-Sm-152

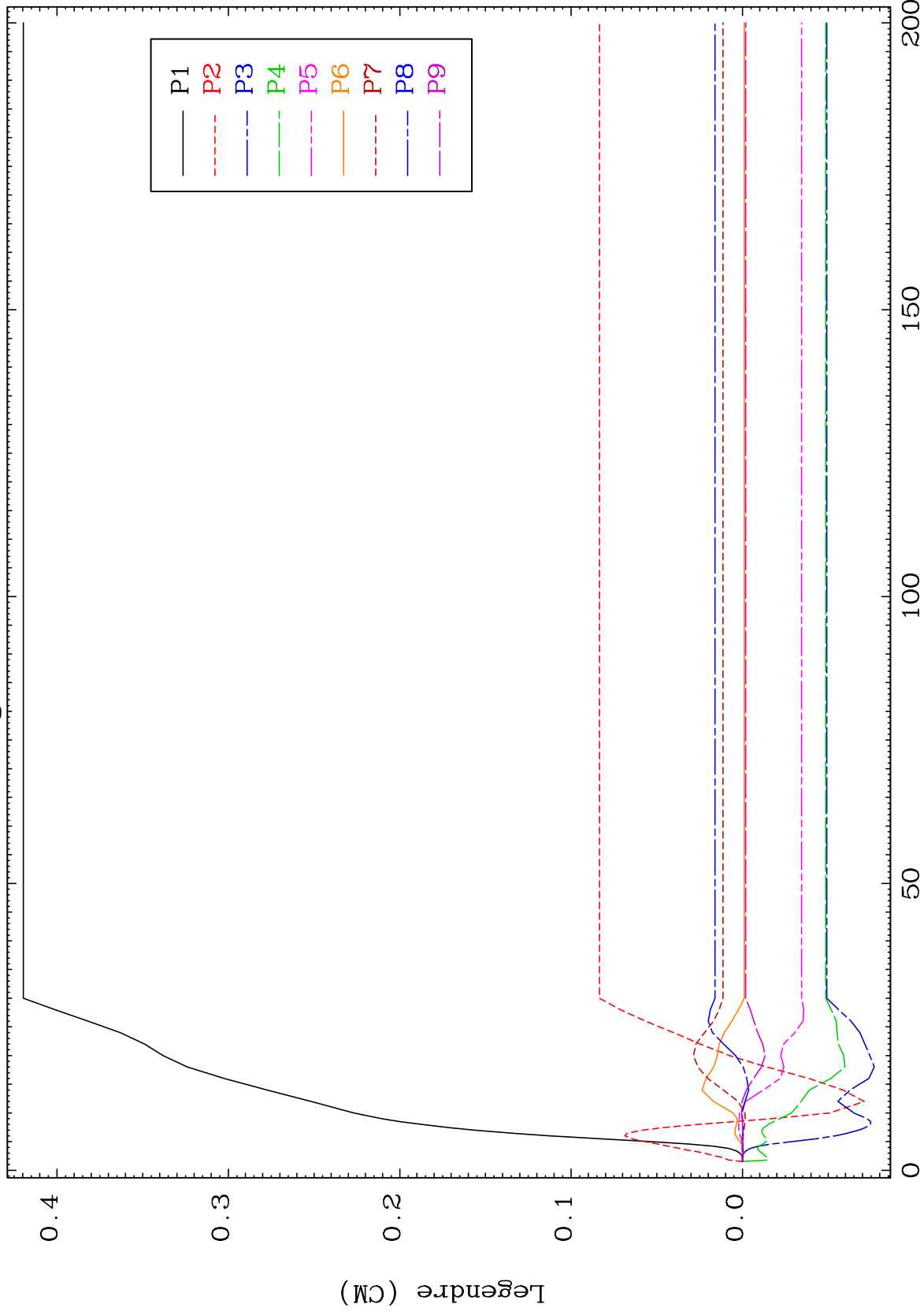


84

MAT 6249

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

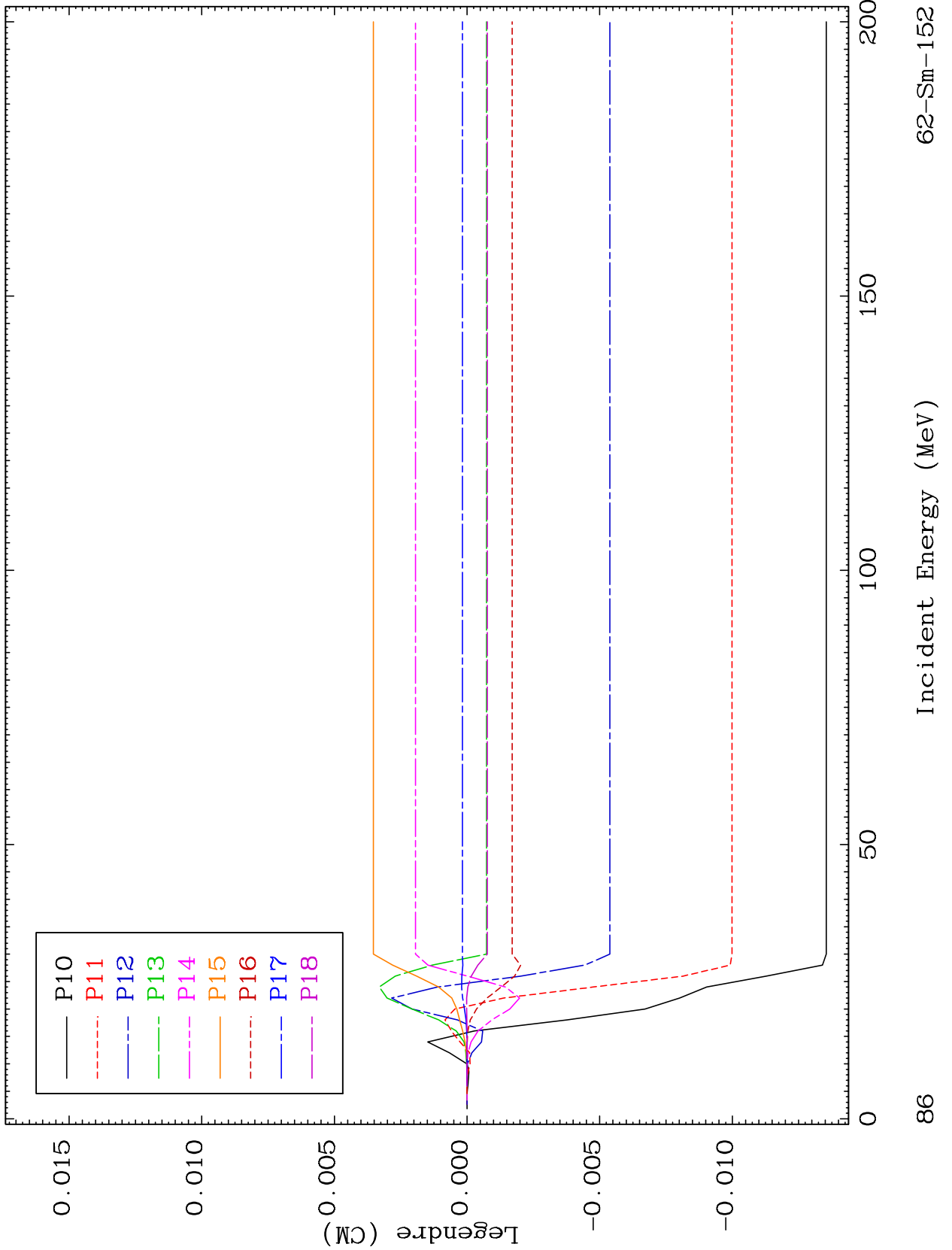
62-Sm-152



62-Sm-152

Incident Energy (MeV)

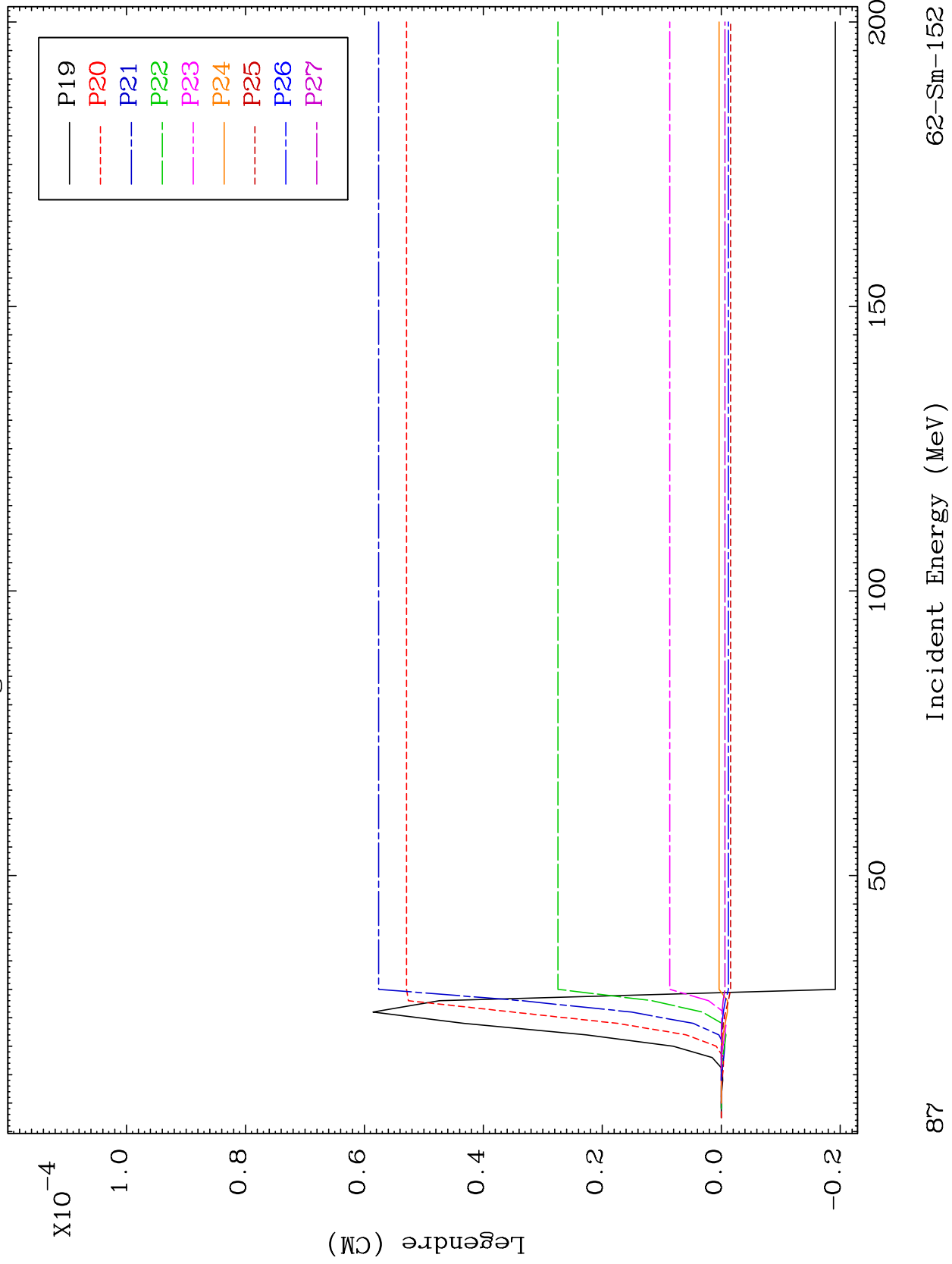
85



MAT 6249

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

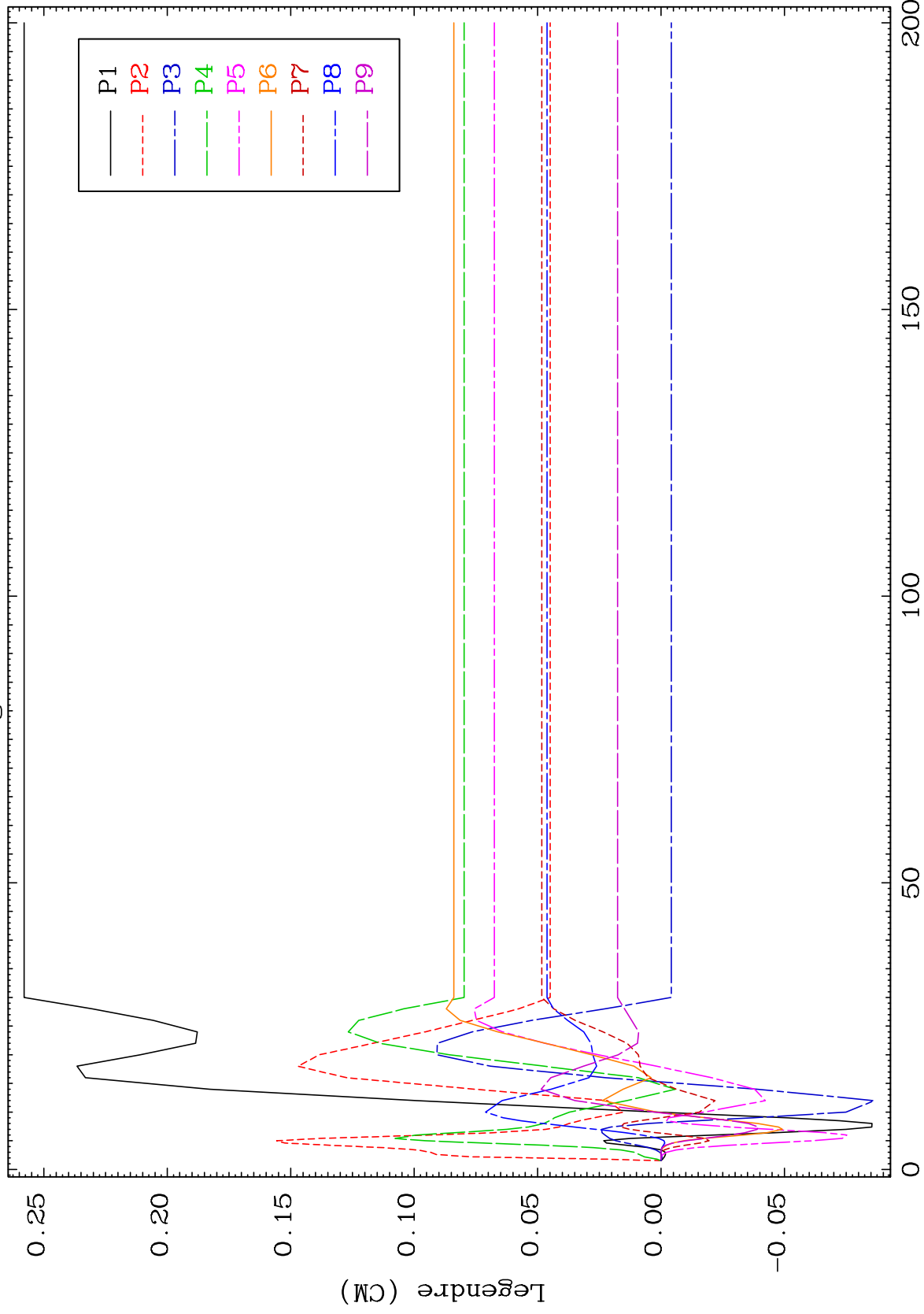
62-Sm-152



MAT 6249

MT= 69 (n,n') Level
Legendre Coefficients

62-Sm-152



89

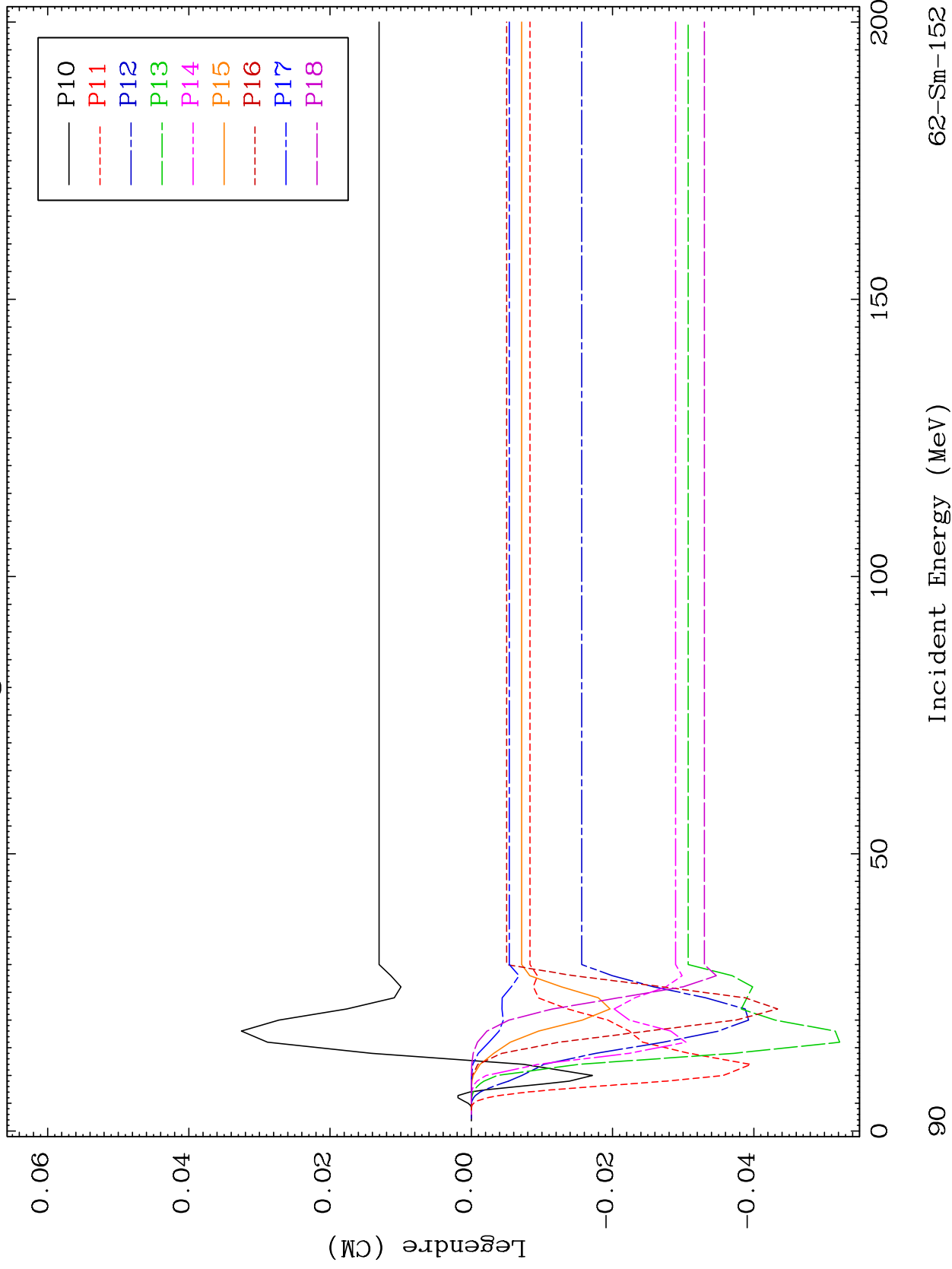
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 69 (n,n') Level
Legendre Coefficients

62-Sm-152



62-Sm-152

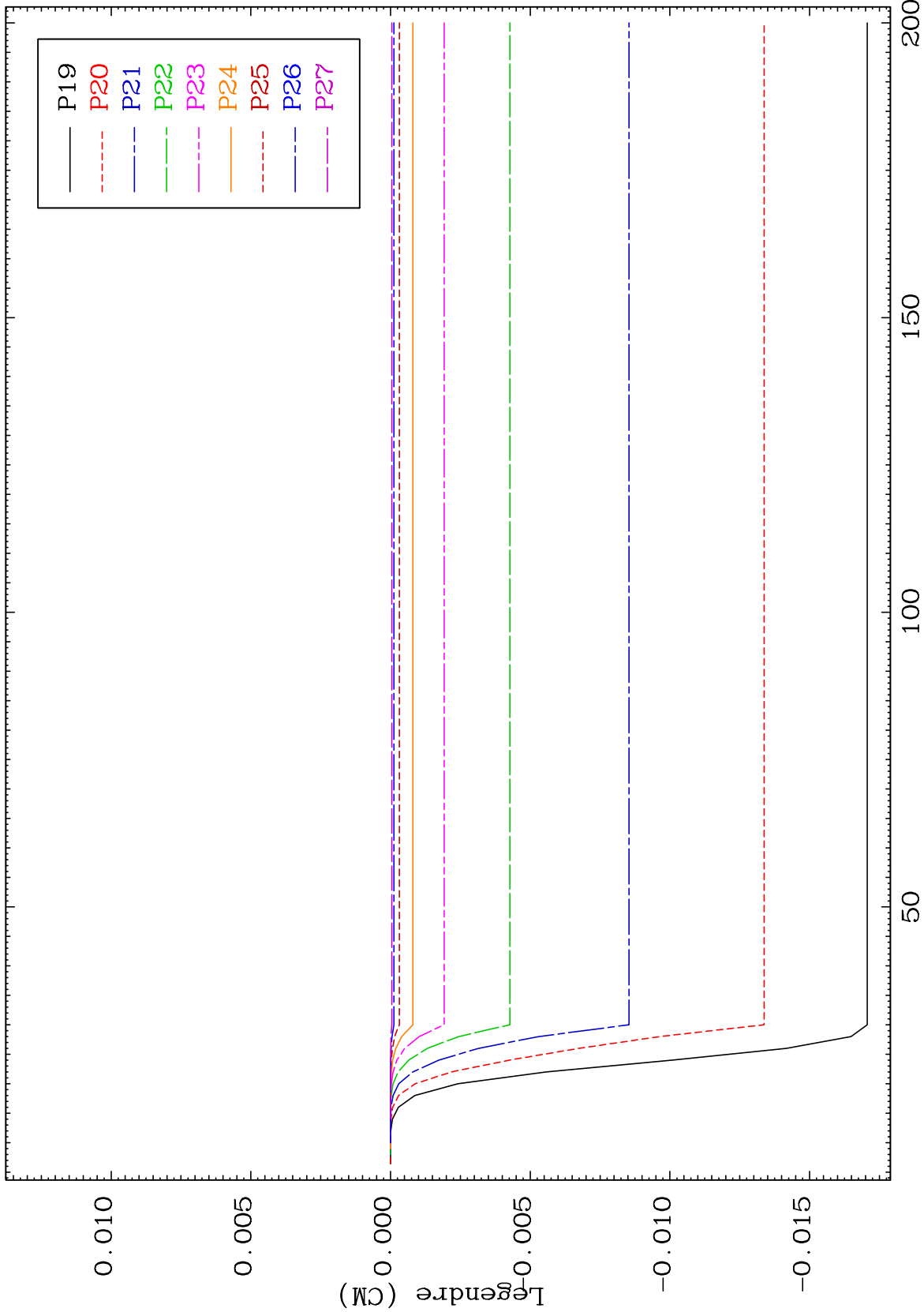
Incident Energy (MeV)

90

MAT 6249

MT= 69 (n,n') Level
Legendre Coefficients

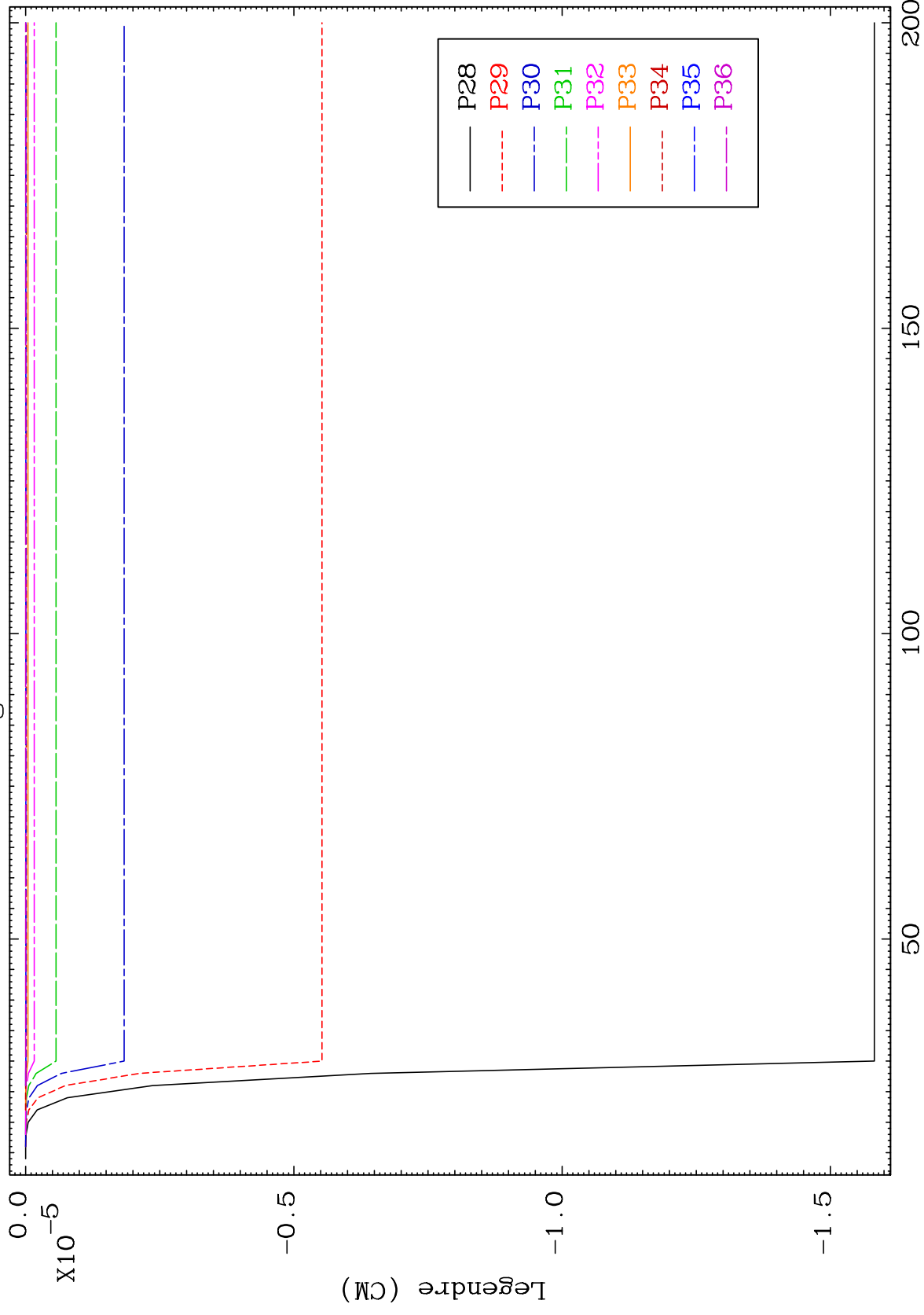
62-Sm-152

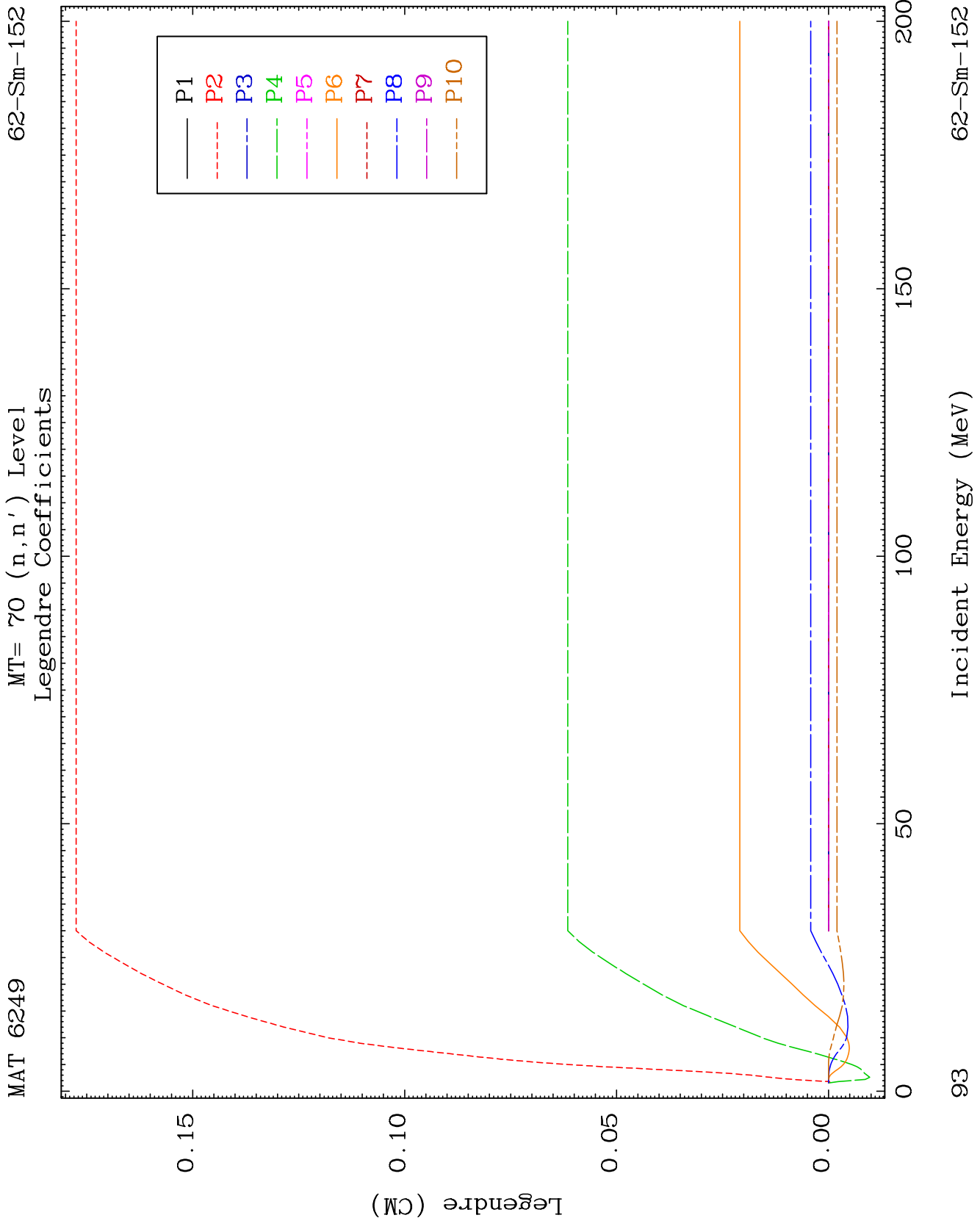


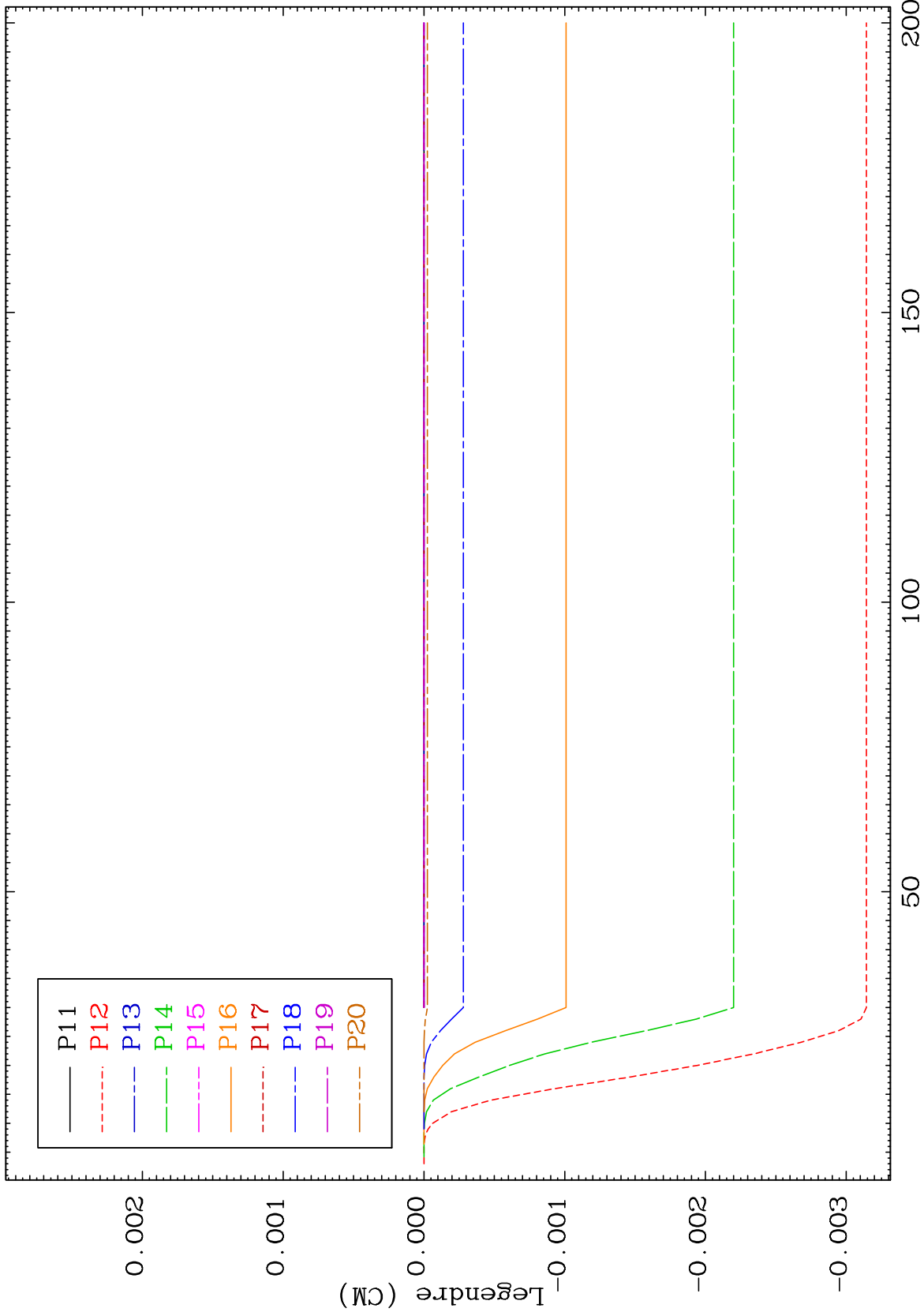
MAT 6249

MT= 69 (n,n') Level
Legendre Coefficients

62-Sm-152



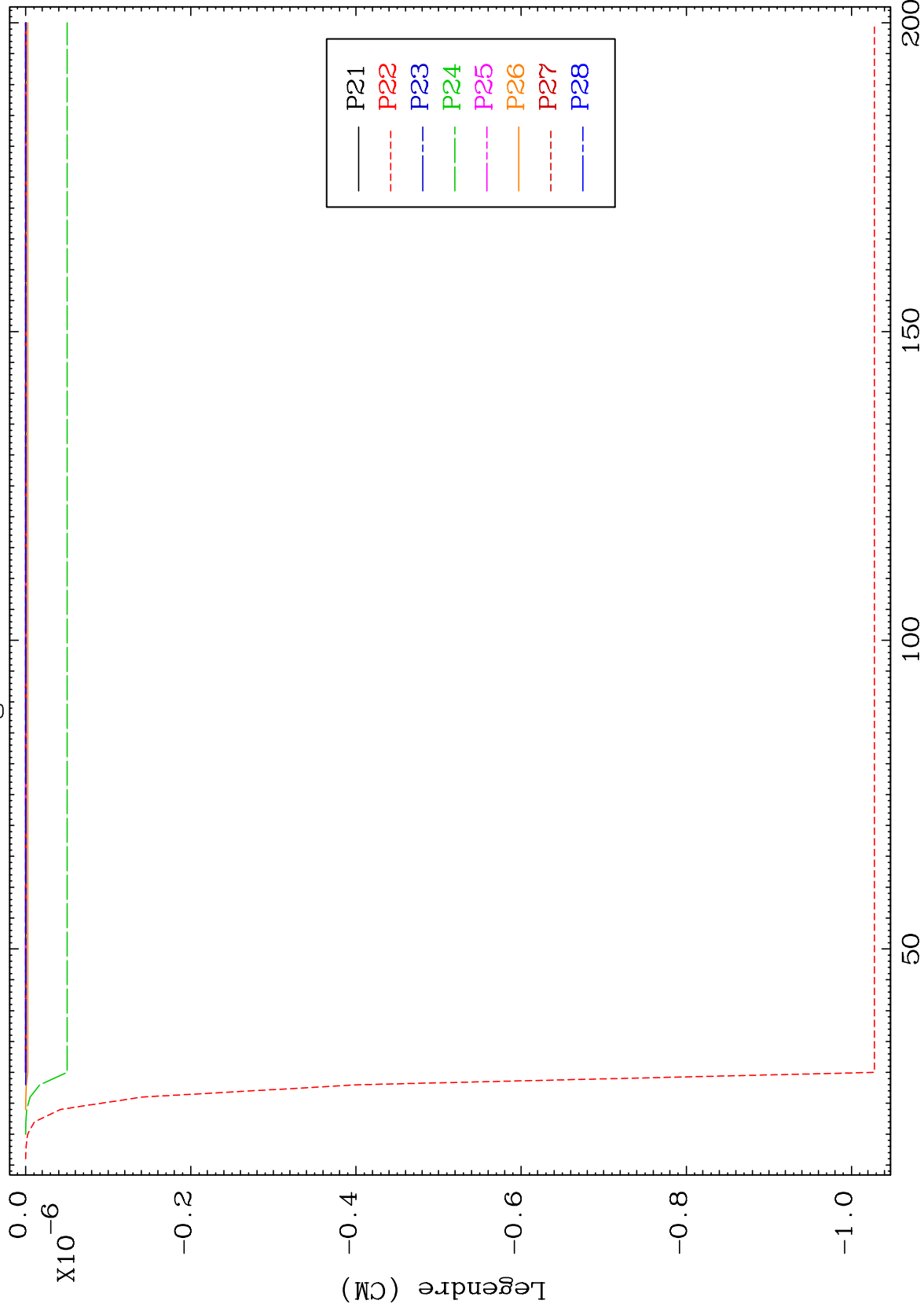




MAT 6249

MT= 70 (n,n') Level
Legendre Coefficients

62-Sm-152



95

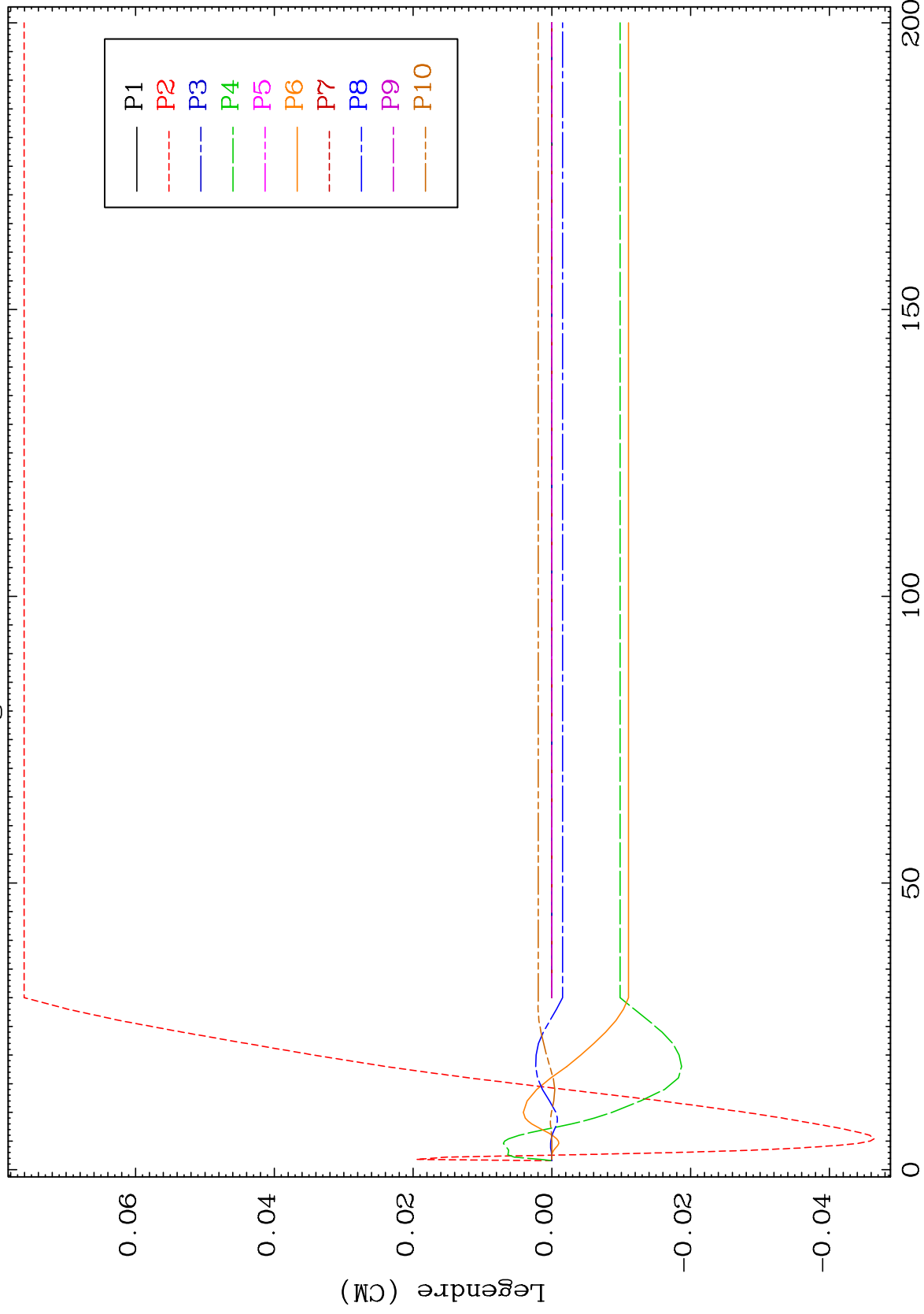
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 71 (n,n') Level
Legendre Coefficients

62-Sm-152



96

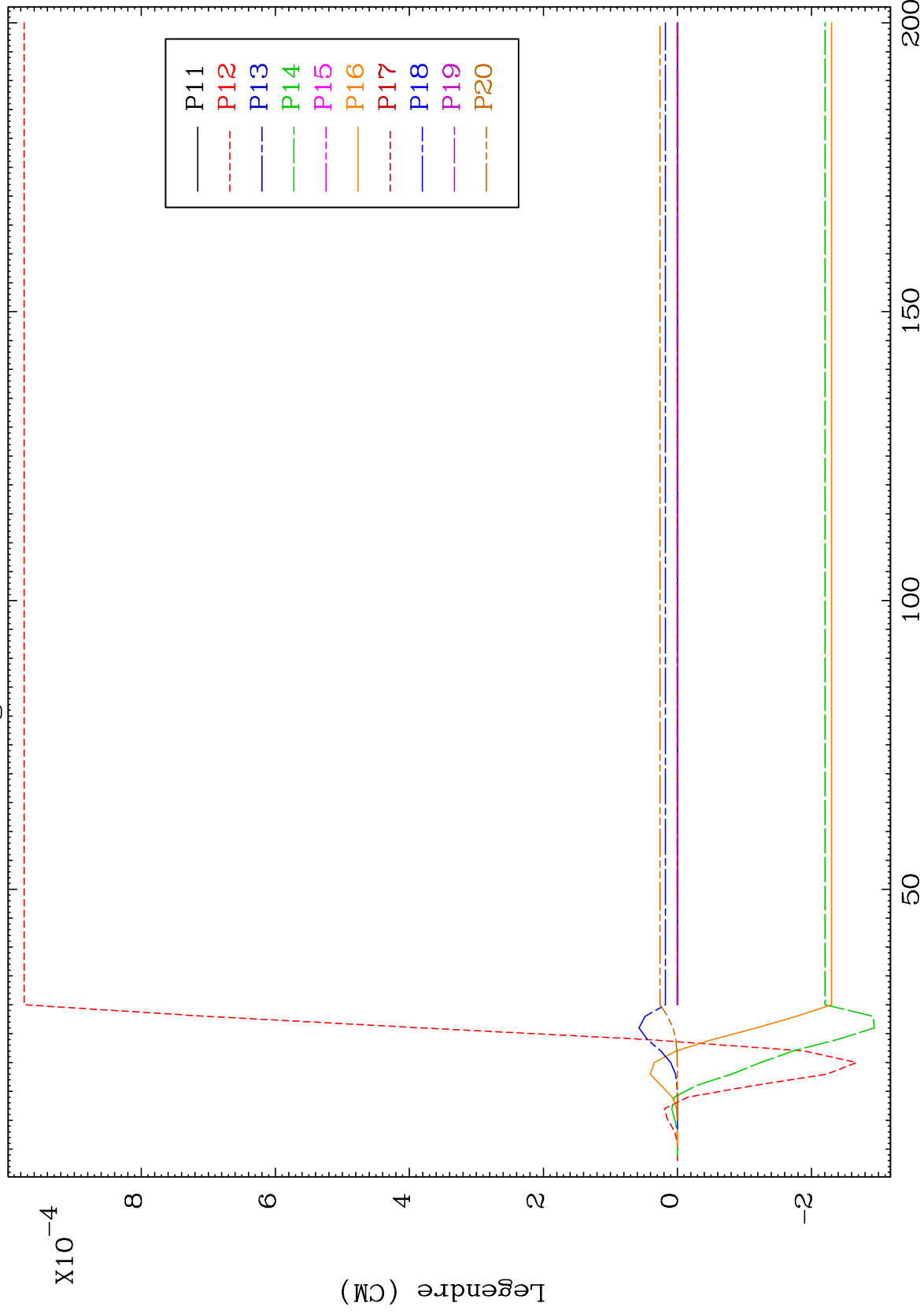
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 71 (n,n') Level
Legendre Coefficients

62-Sm-152



97

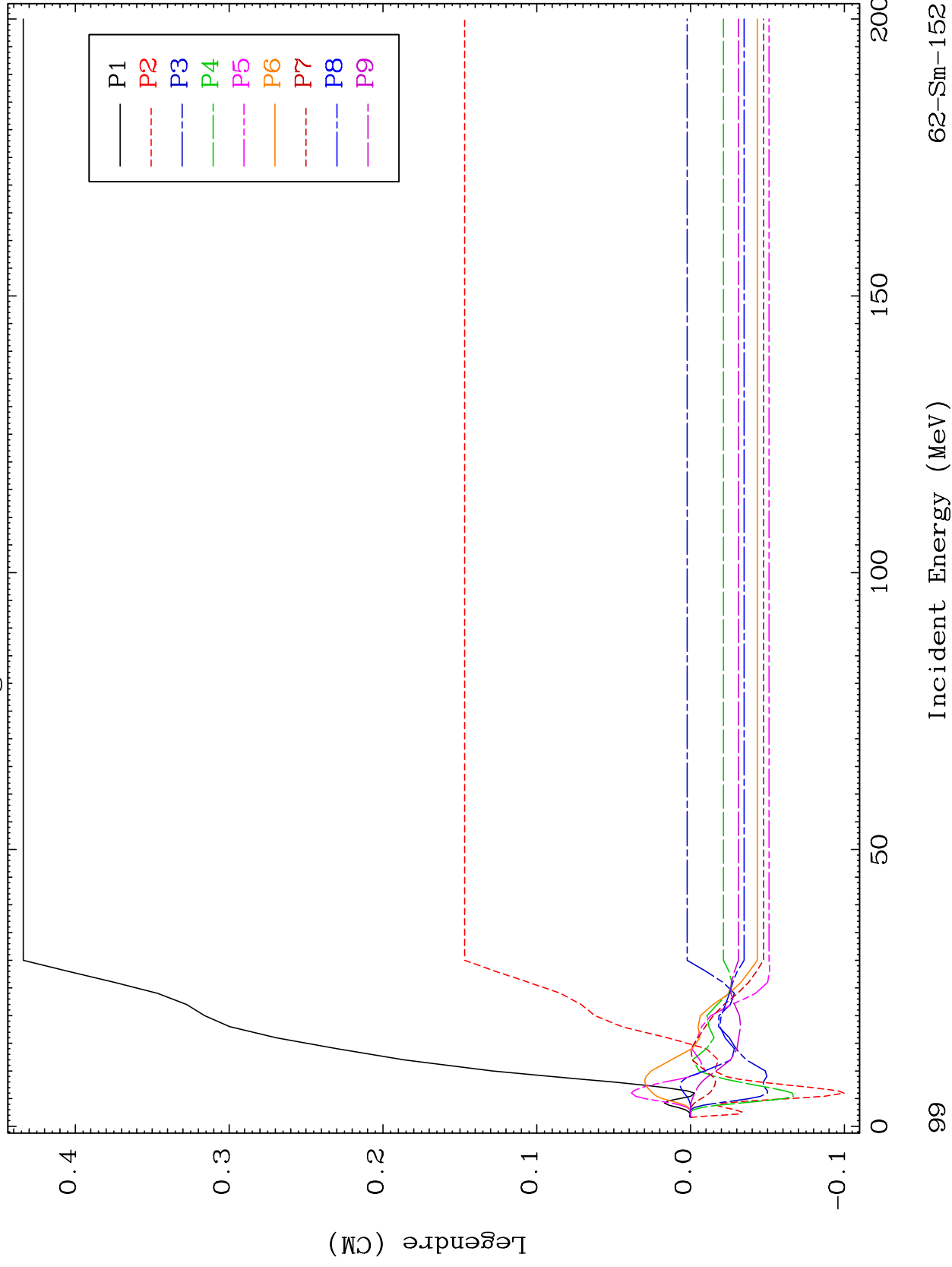
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 72 (n,n') Level
Legendre Coefficients

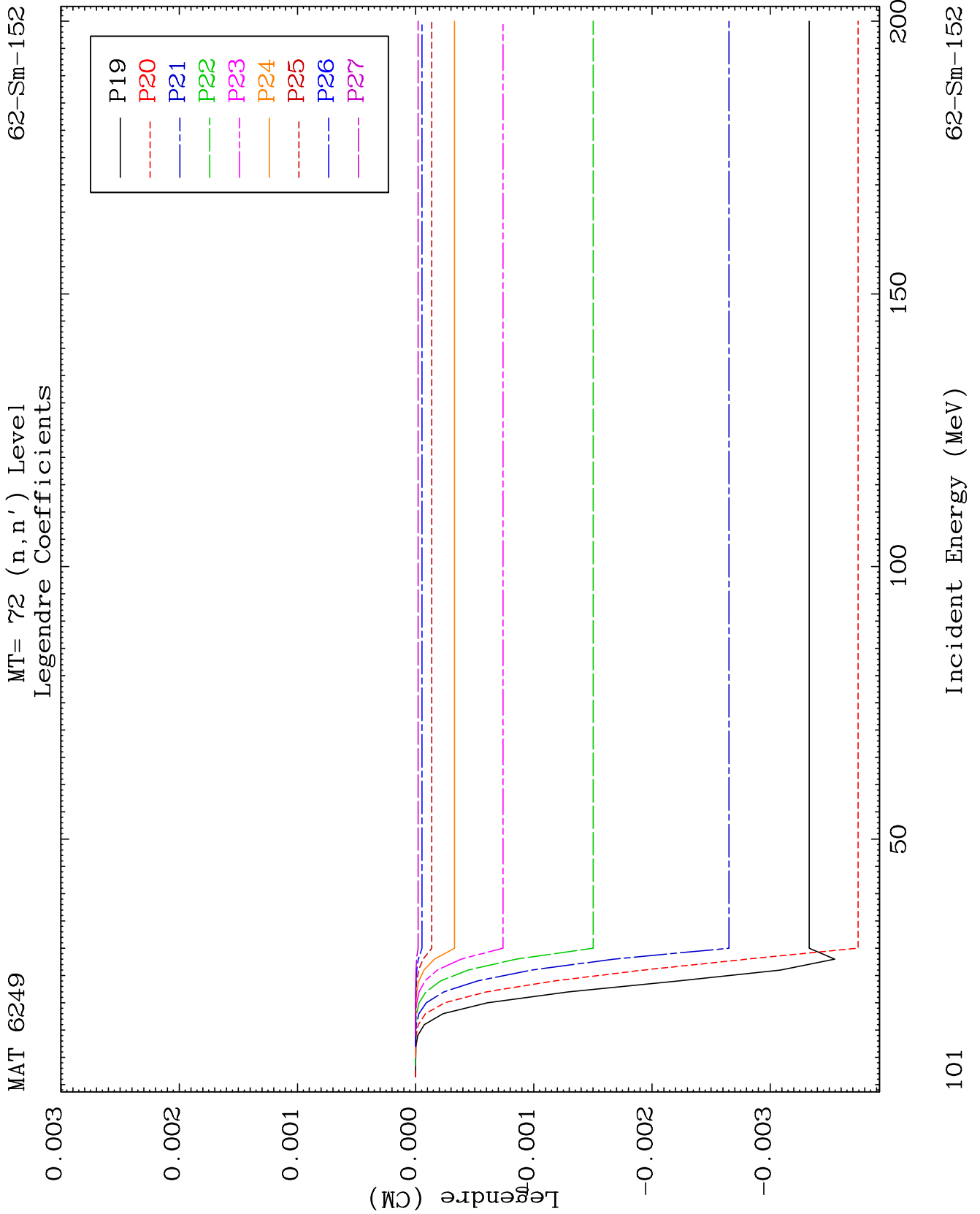
62-Sm-152



62-Sm-152

Incident Energy (MeV)

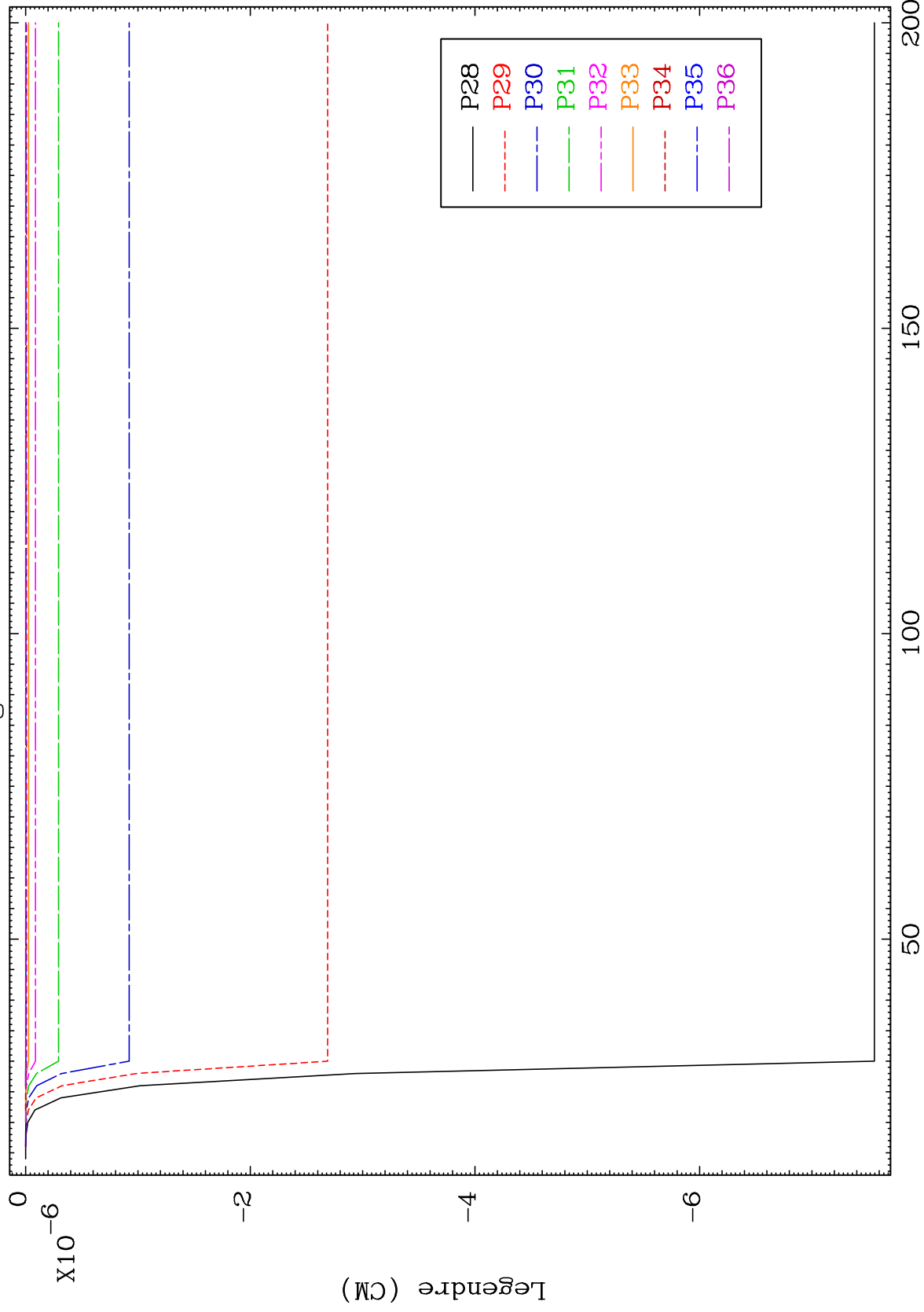
99



MAT 6249

MT= 72 (n,n') Level
Legendre Coefficients

62-Sm-152



102

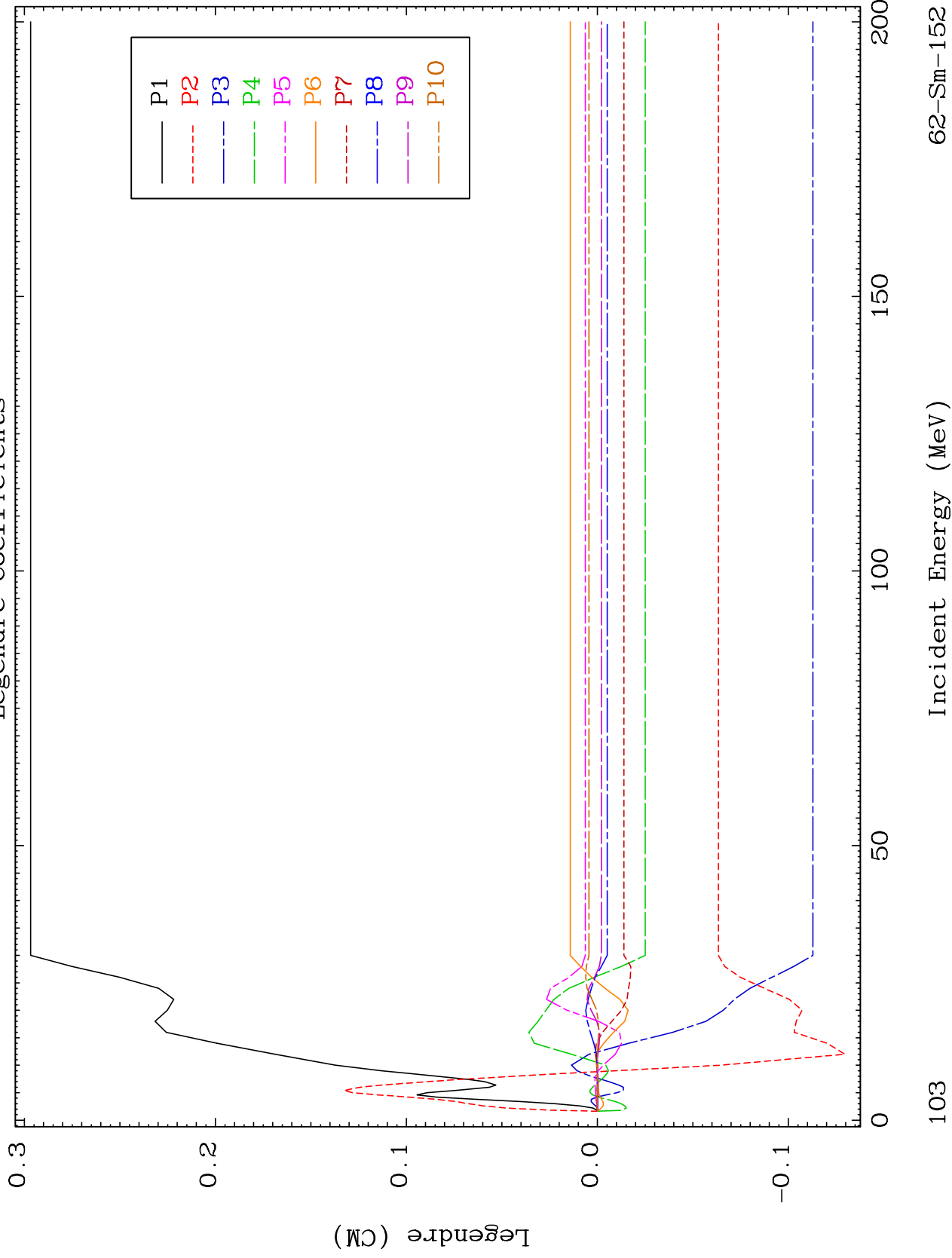
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 73 (n,n') Level
Legendre Coefficients

62-Sm-152



103

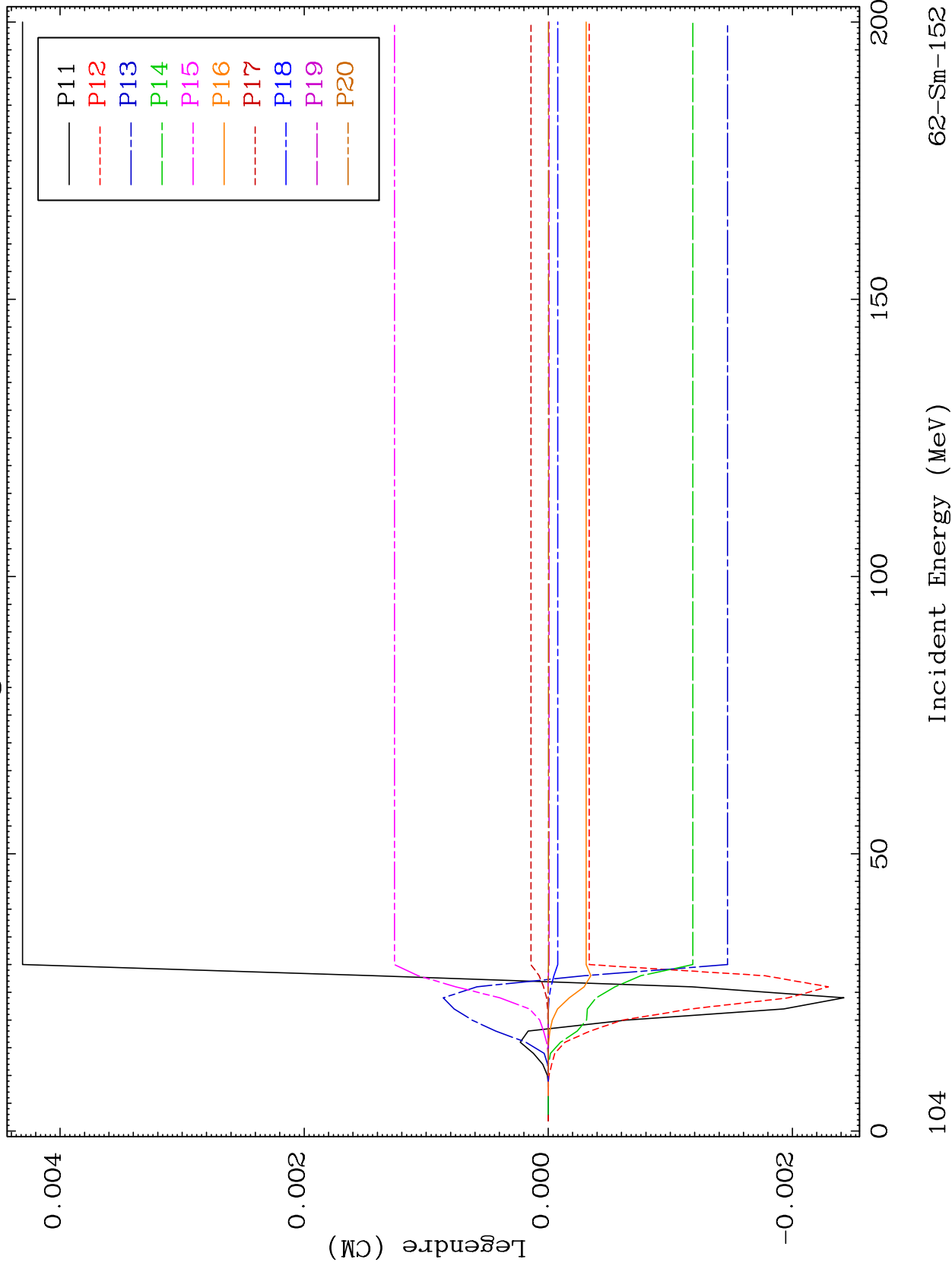
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 73 (n,n') Level
Legendre Coefficients

62-Sm-152



62-Sm-152

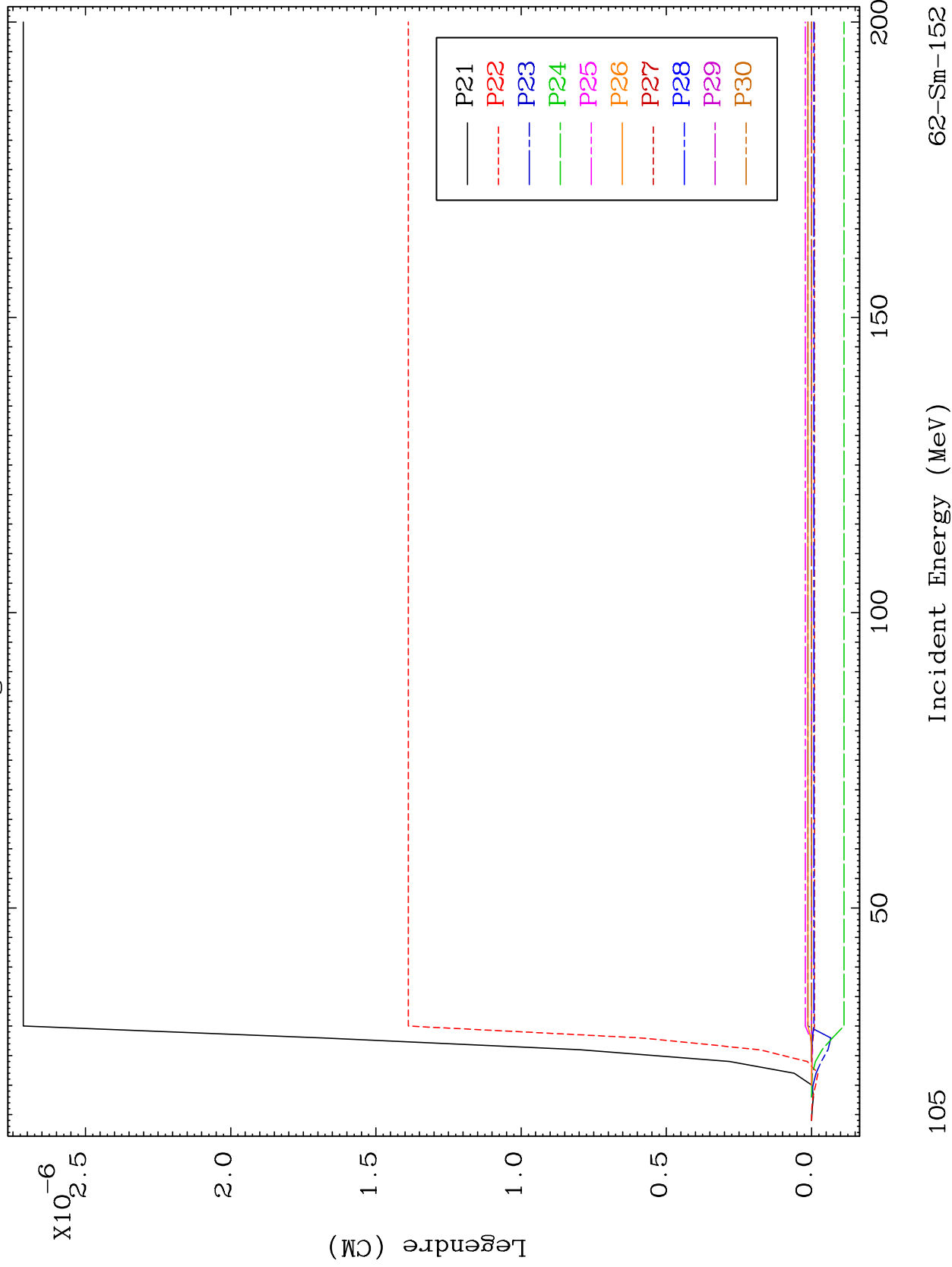
Incident Energy (MeV)

104

MAT 6249

MT= 73 (n,n') Level
Legendre Coefficients

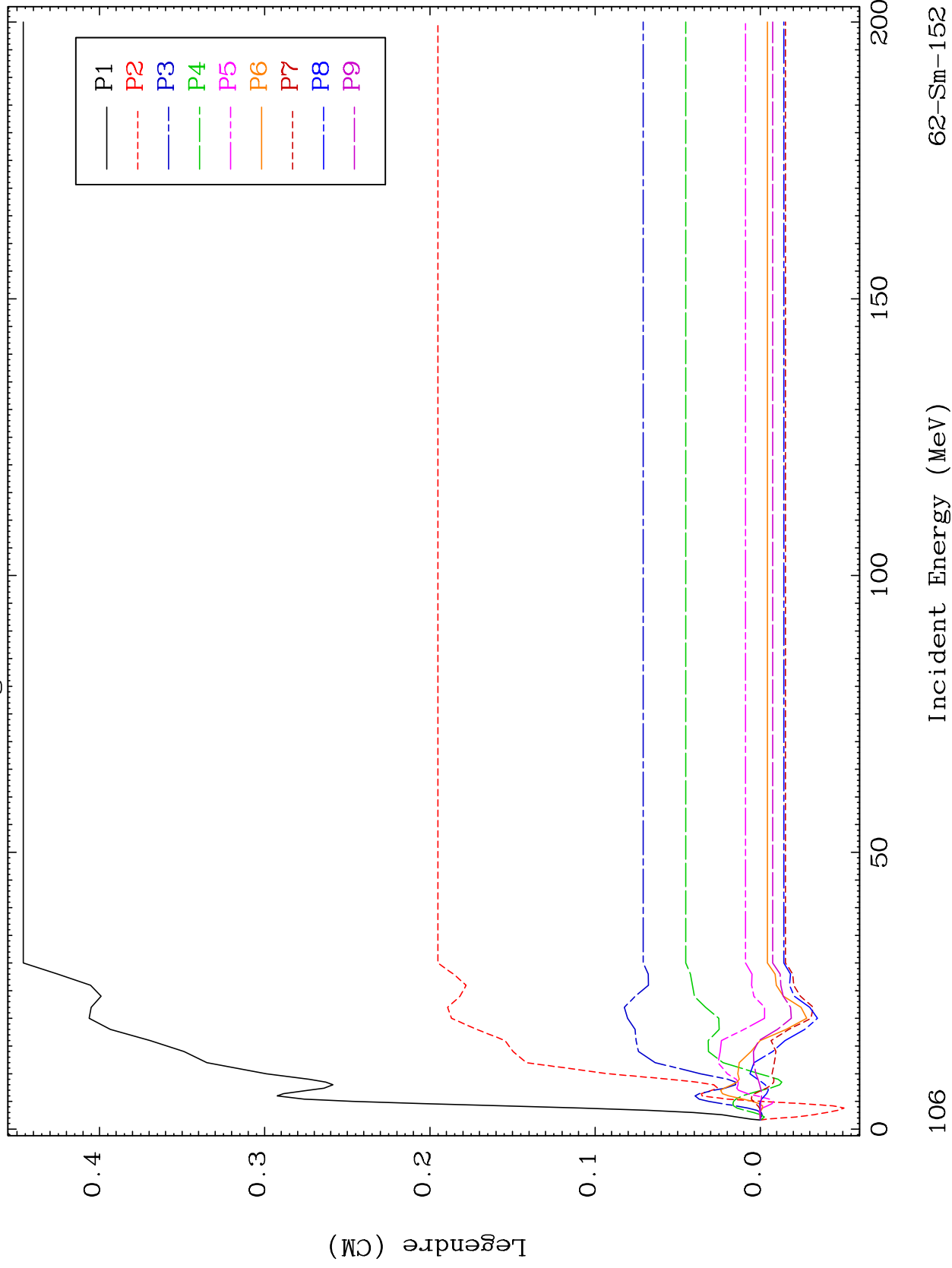
62-Sm-152



MAT 6249

MT= 74 (n,n') Level
Legendre Coefficients

62-Sm-152



62-Sm-152

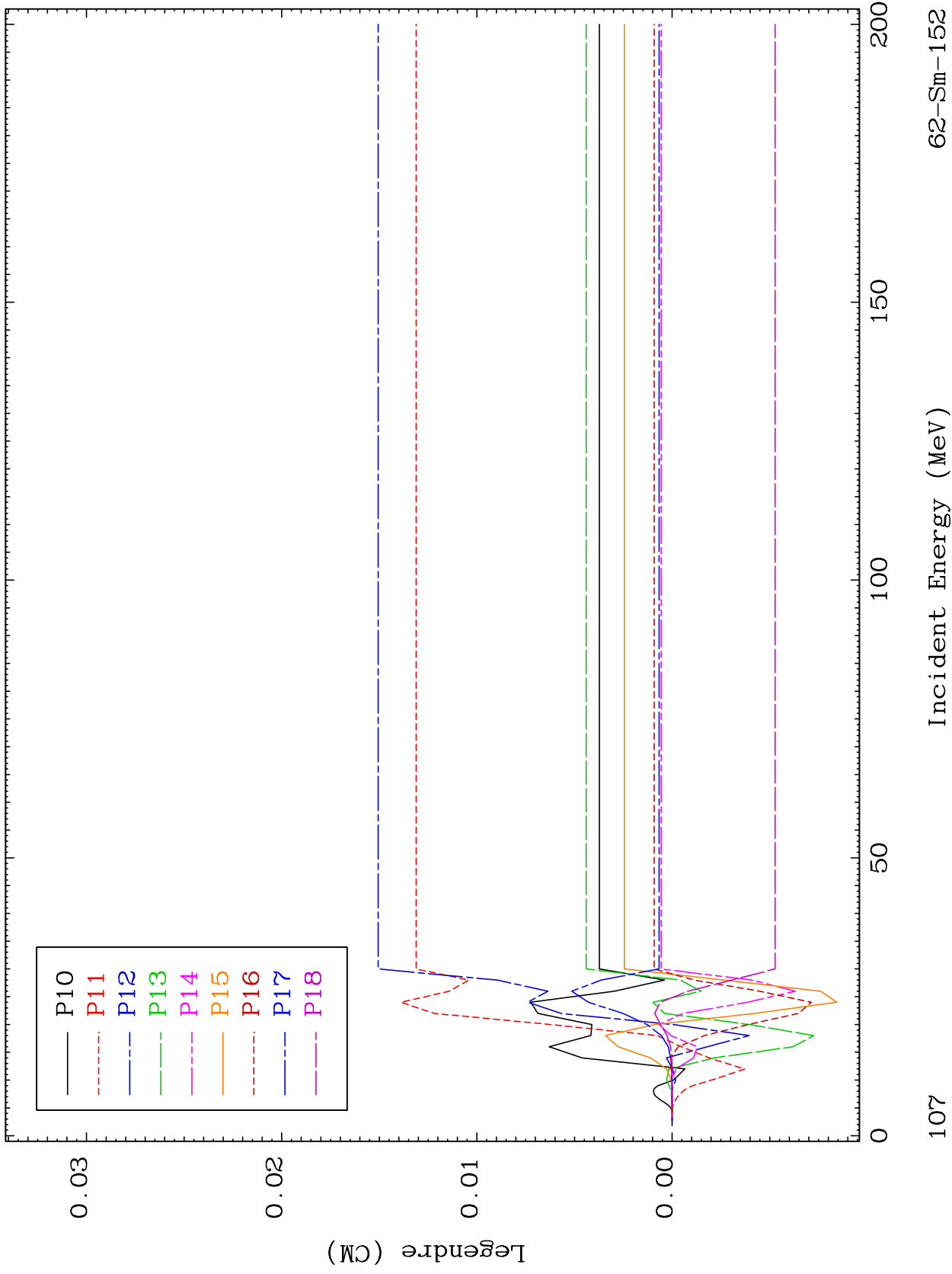
Incident Energy (MeV)

106

MAT 6249

MT= 74 (n,n') Level
Legendre Coefficients

62-Sm-152



107

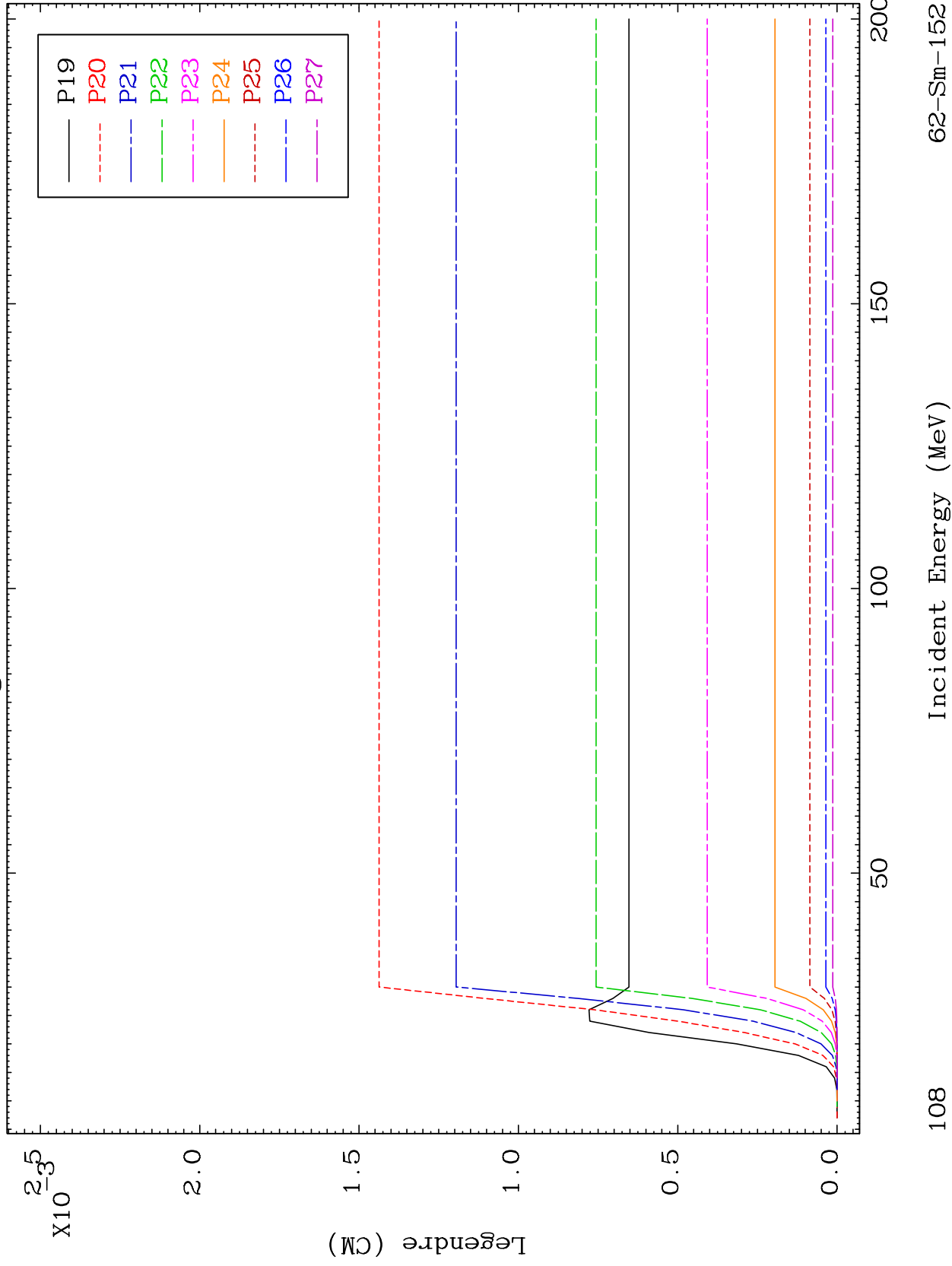
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 74 (n,n') Level
Legendre Coefficients

62-Sm-152



108

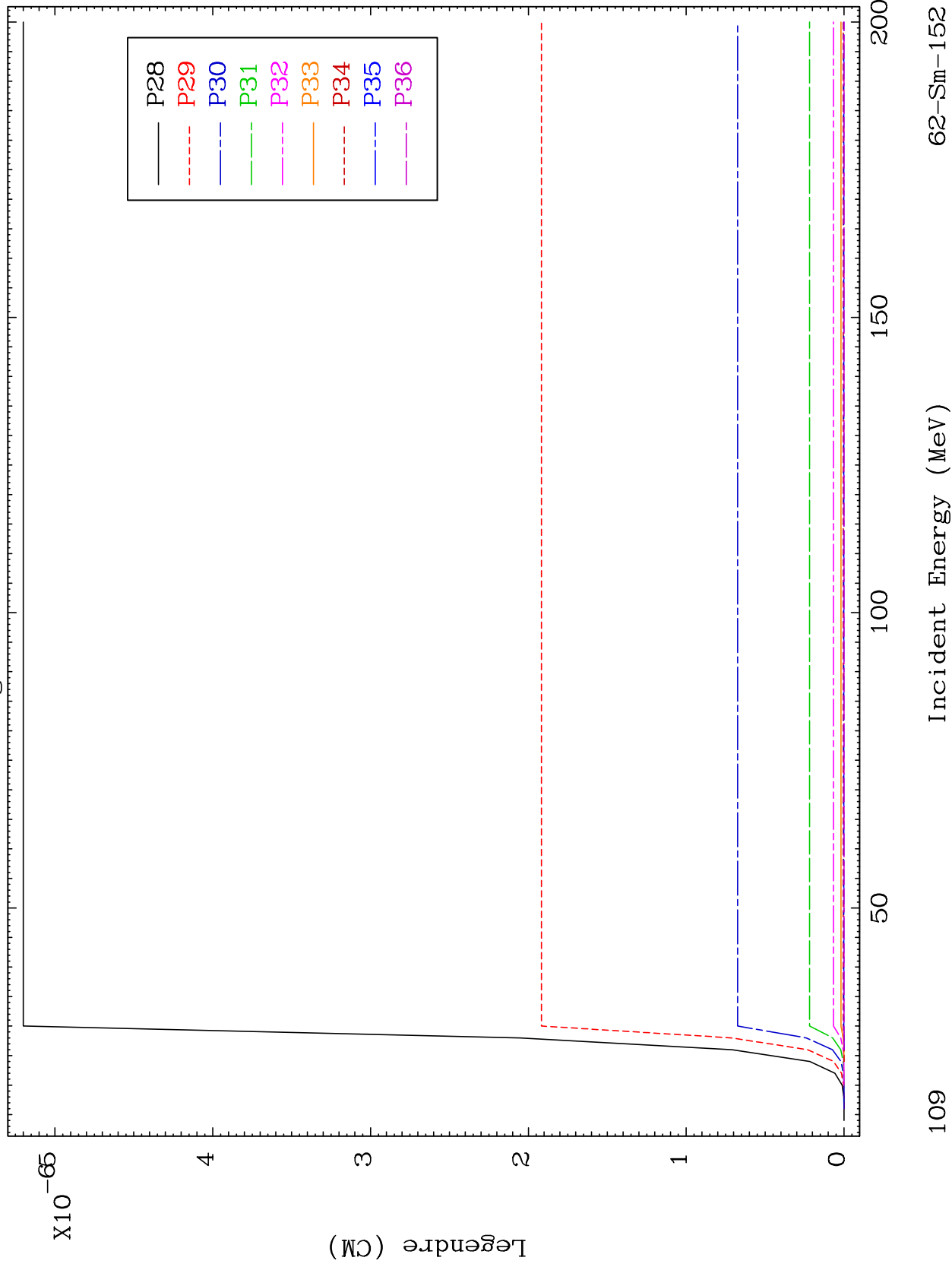
Incident Energy (MeV)

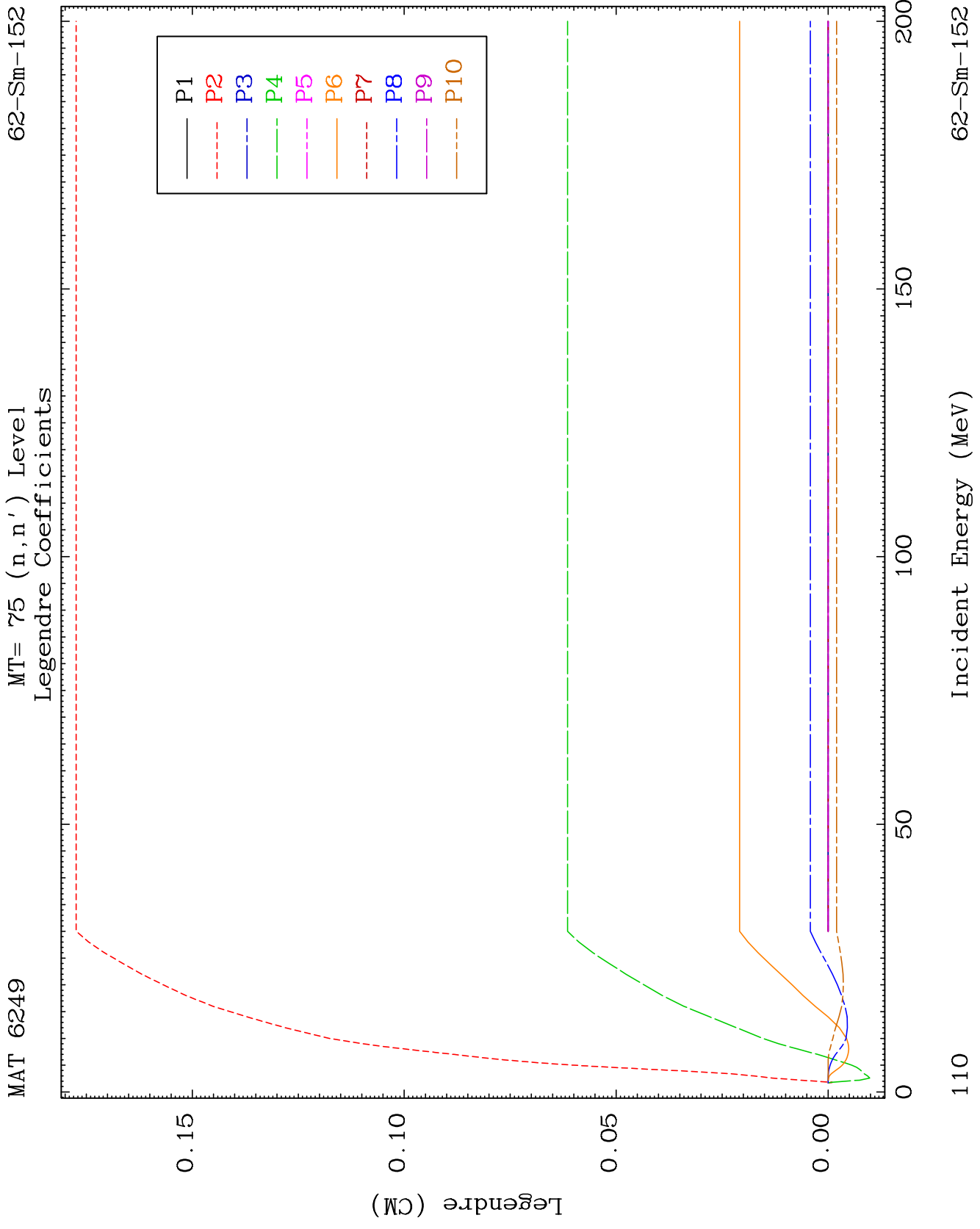
62-Sm-152

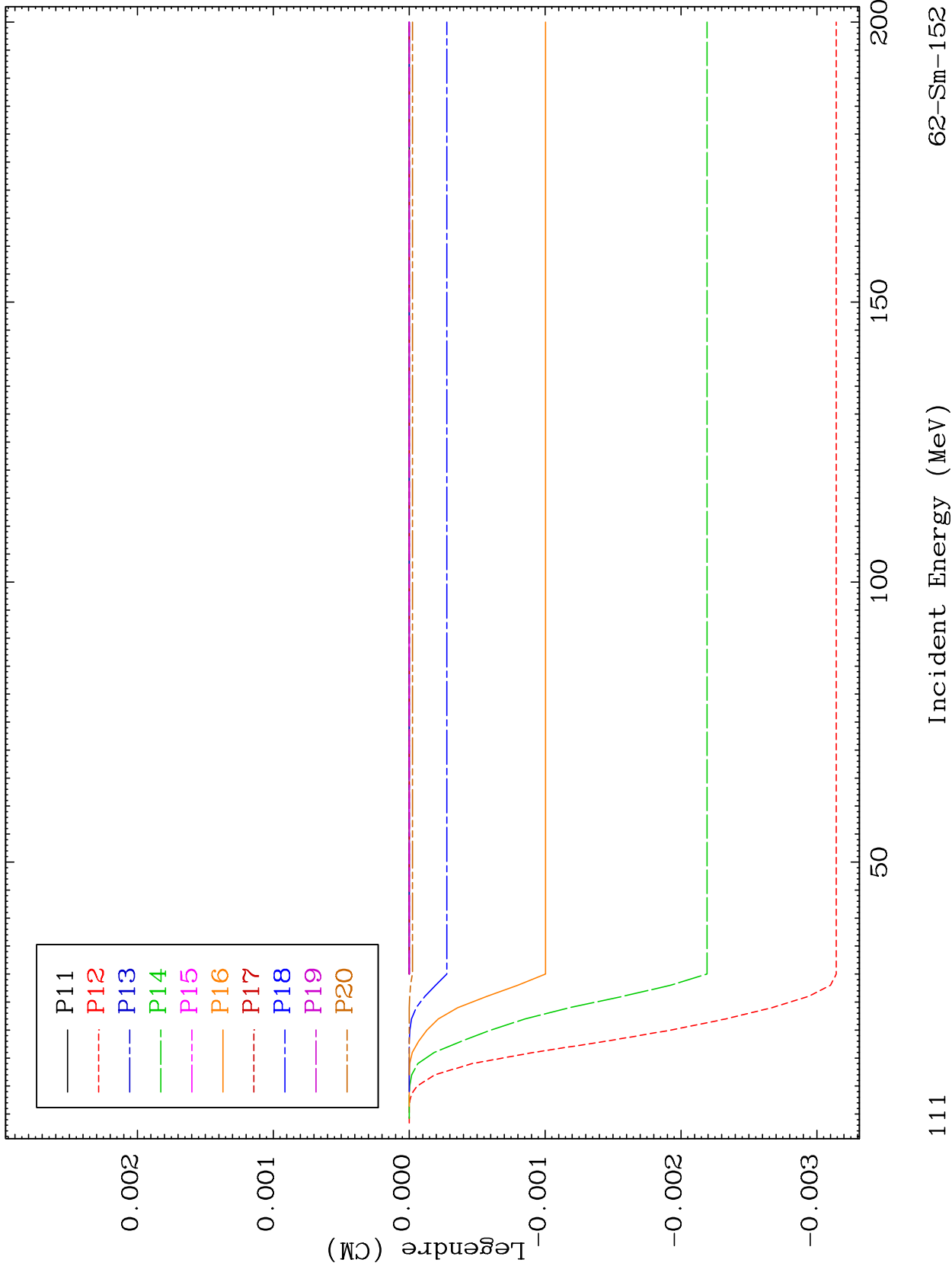
MAT 6249

MT= 74 (n,n') Level
Legendre Coefficients

62-Sm-152



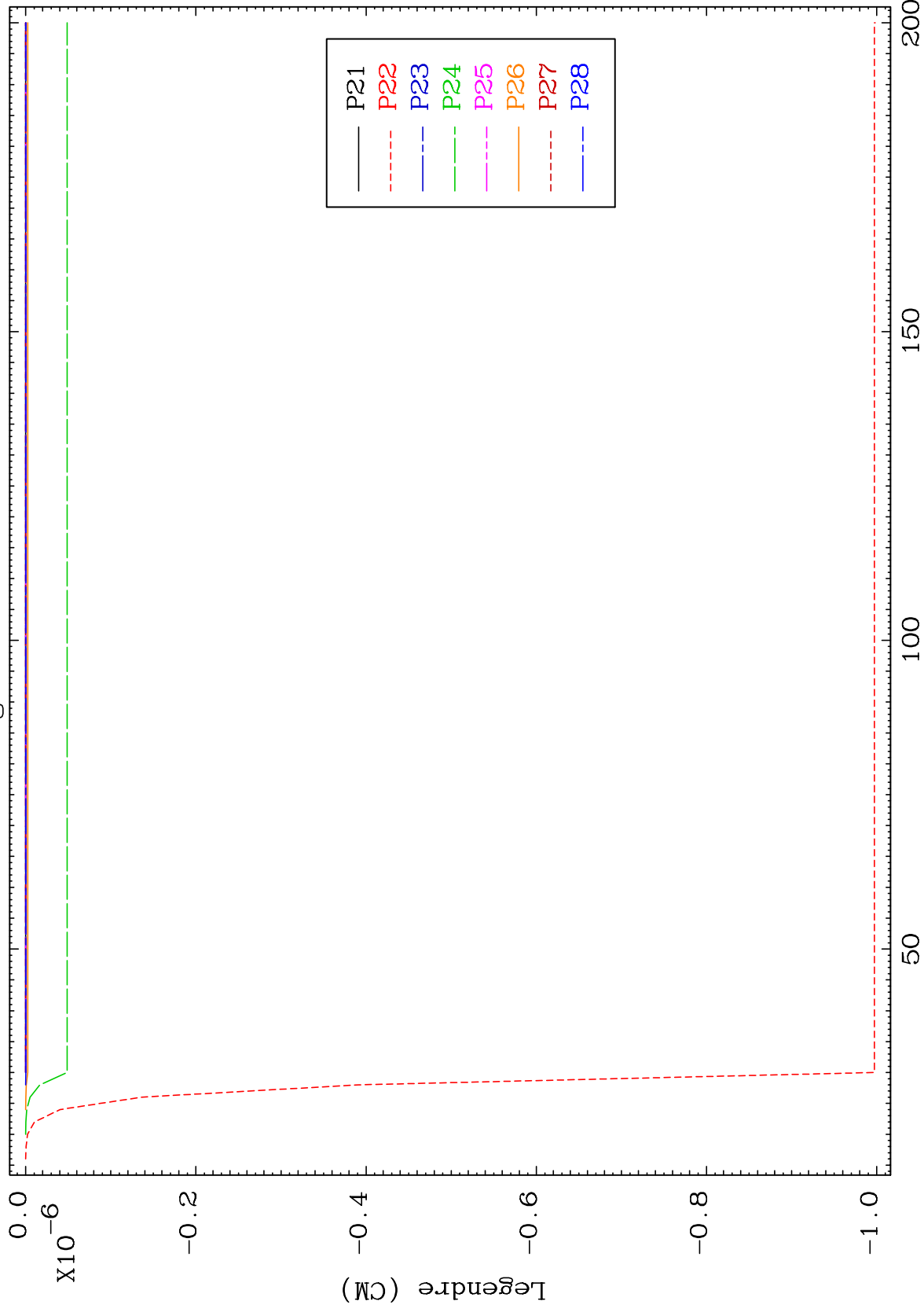




MAT 6249

MT= 75 (n,n') Level
Legendre Coefficients

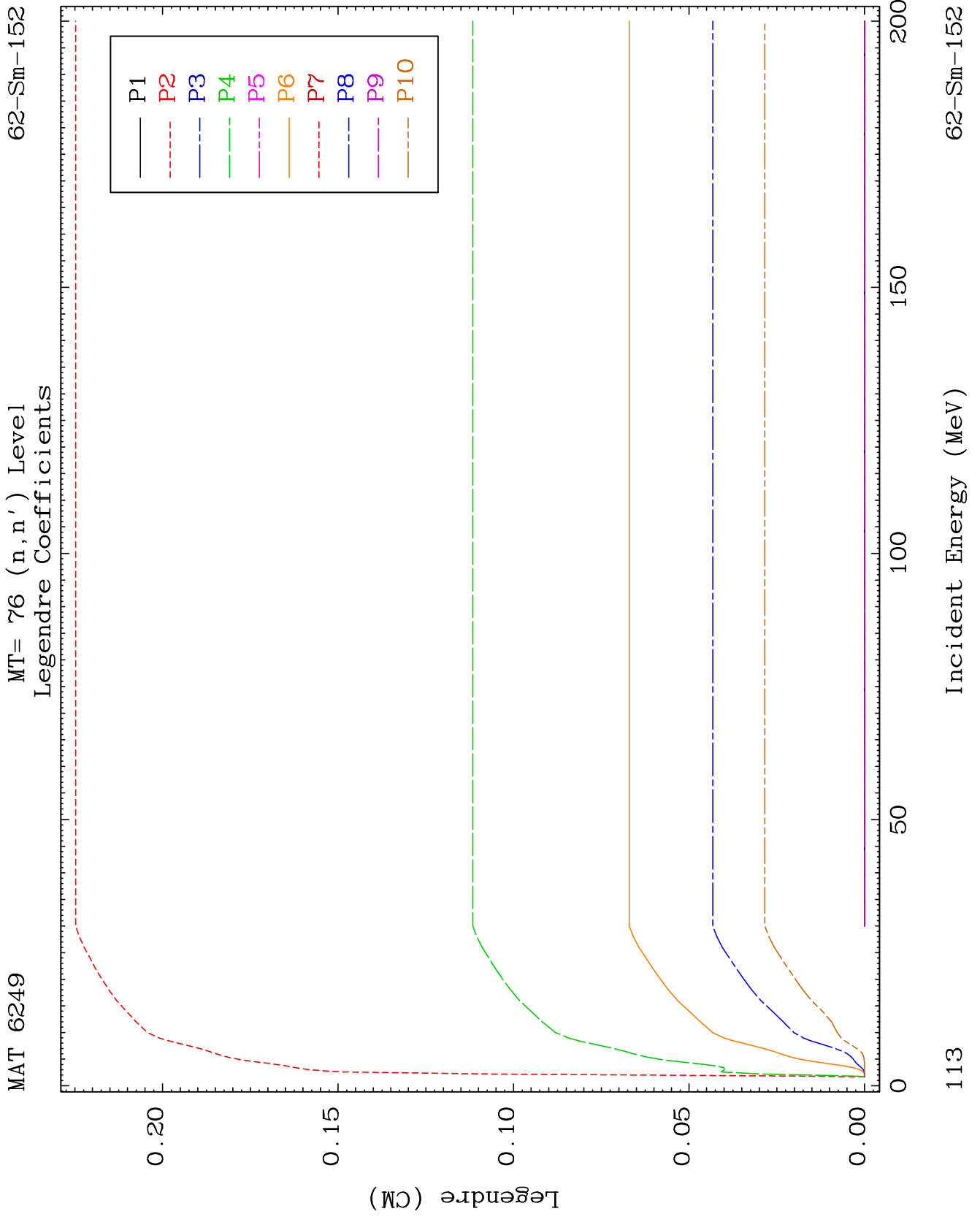
62-Sm-152



112

Incident Energy (MeV)

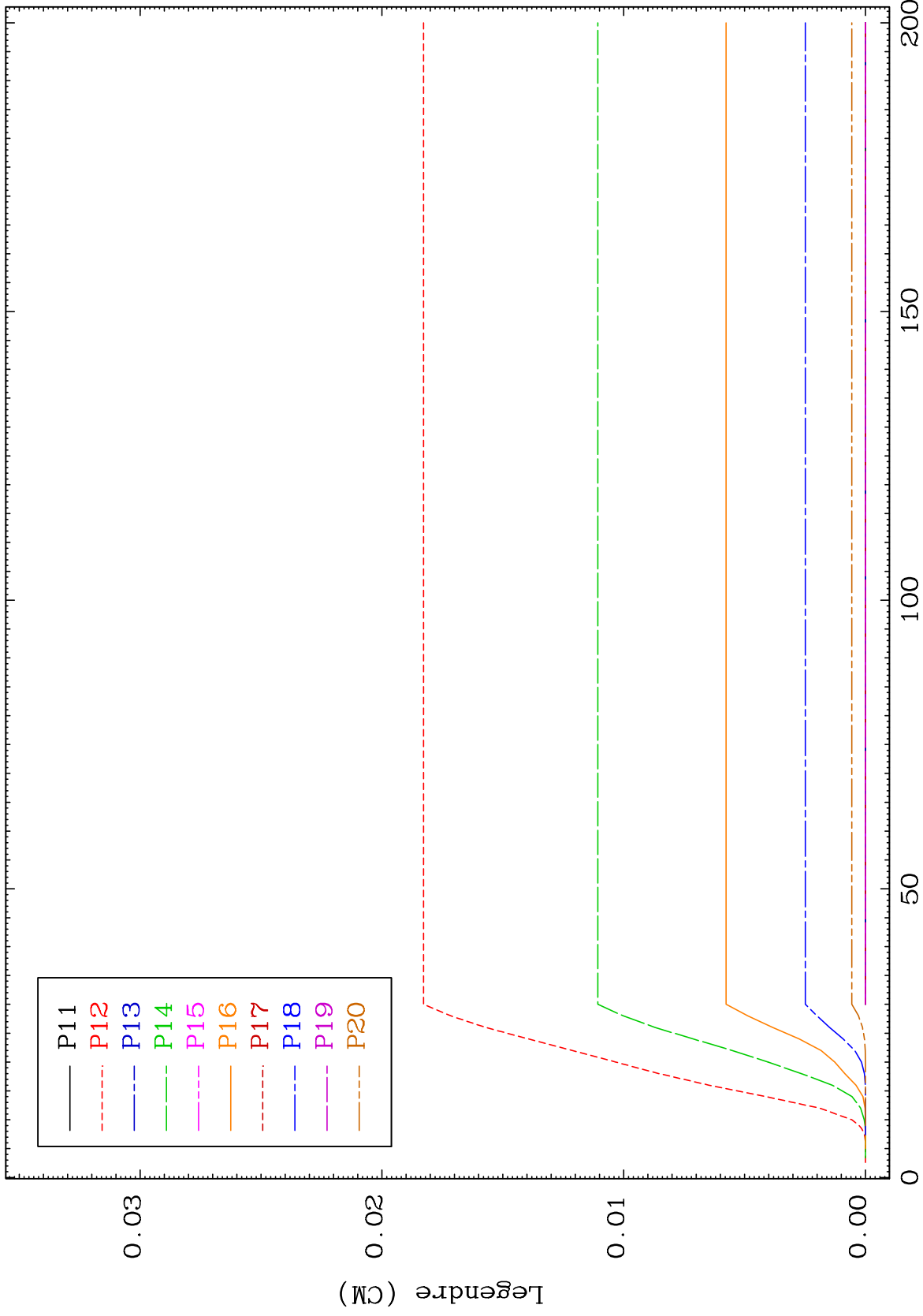
62-Sm-152



MAT 6249

MT= 76 (n,n') Level
Legendre Coefficients

62-Sm-152



114

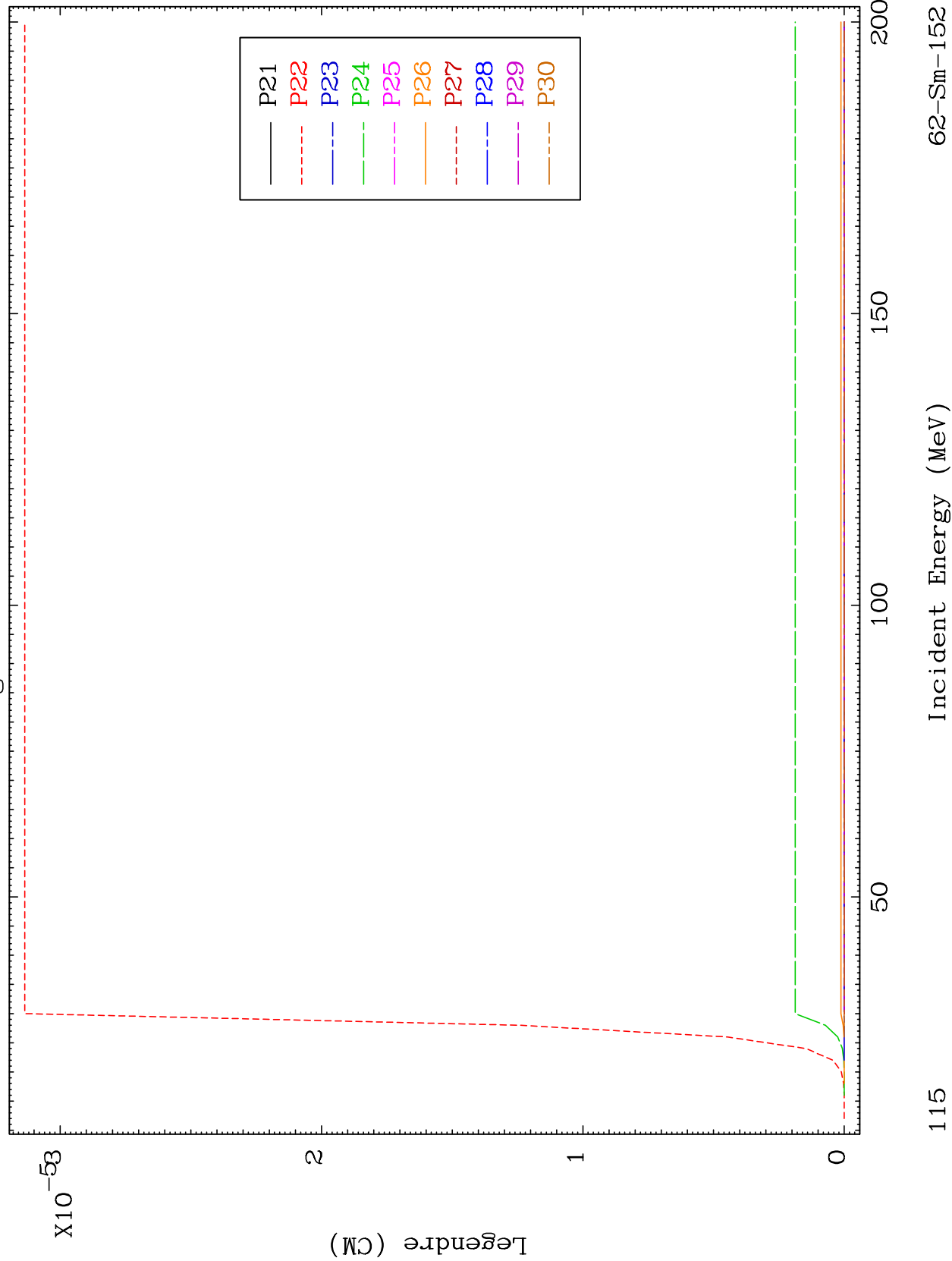
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 76 (n,n') Level
Legendre Coefficients

62-Sm-152



115

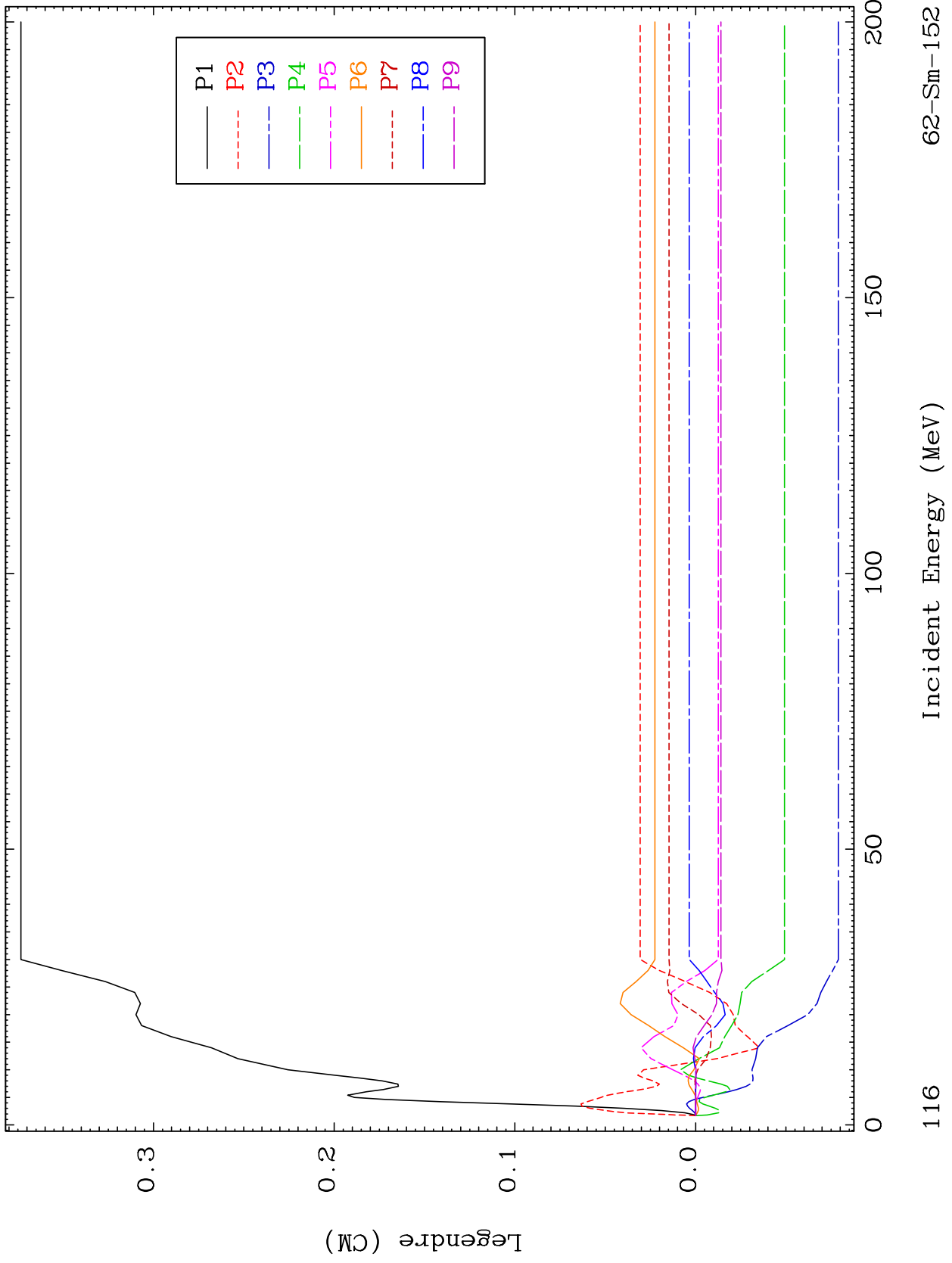
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 77 (n,n') Level
Legendre Coefficients

62-Sm-152



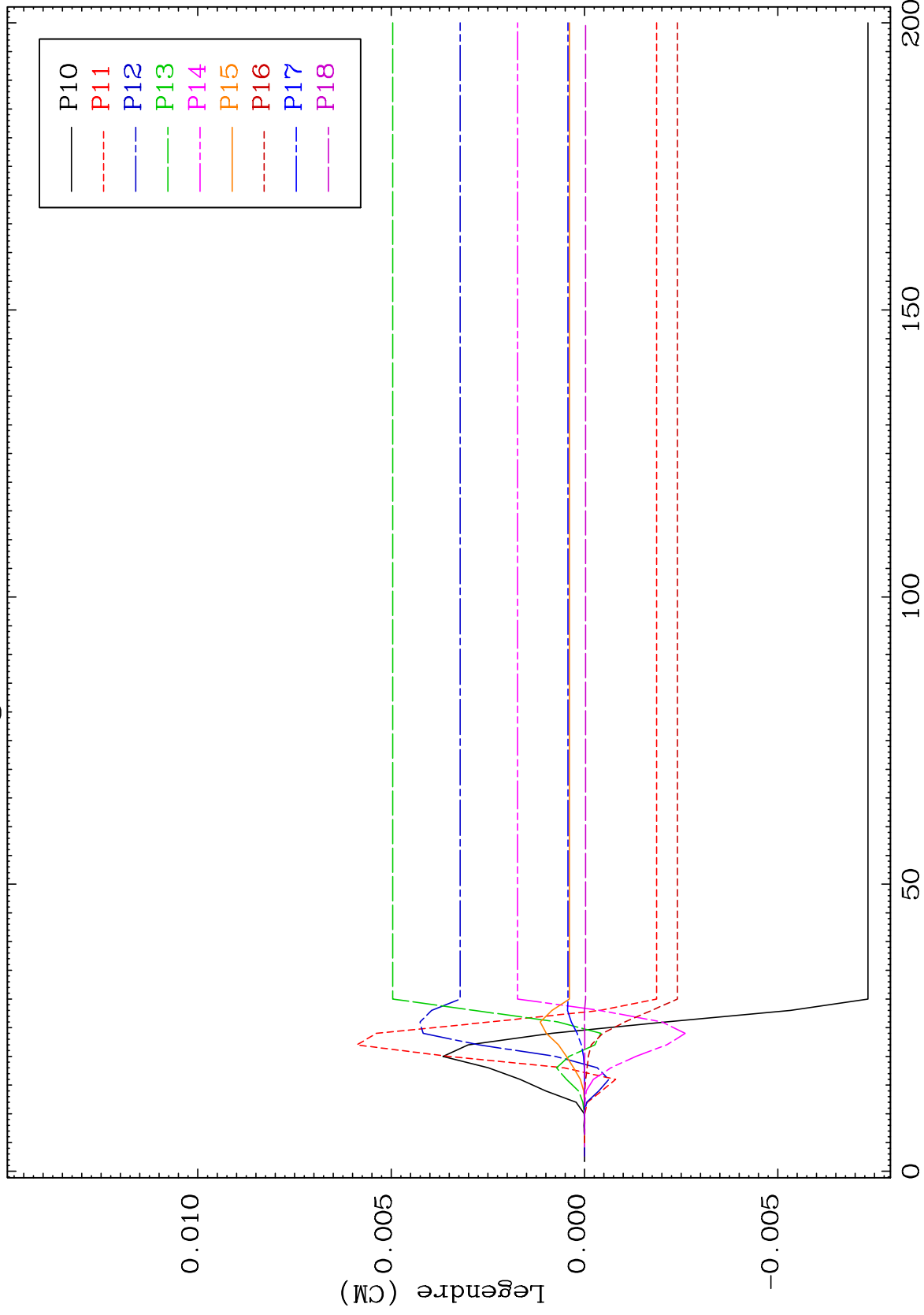
116

62-Sm-152

MAT 6249

MT= 77 (n,n') Level
Legendre Coefficients

62-Sm-152



117

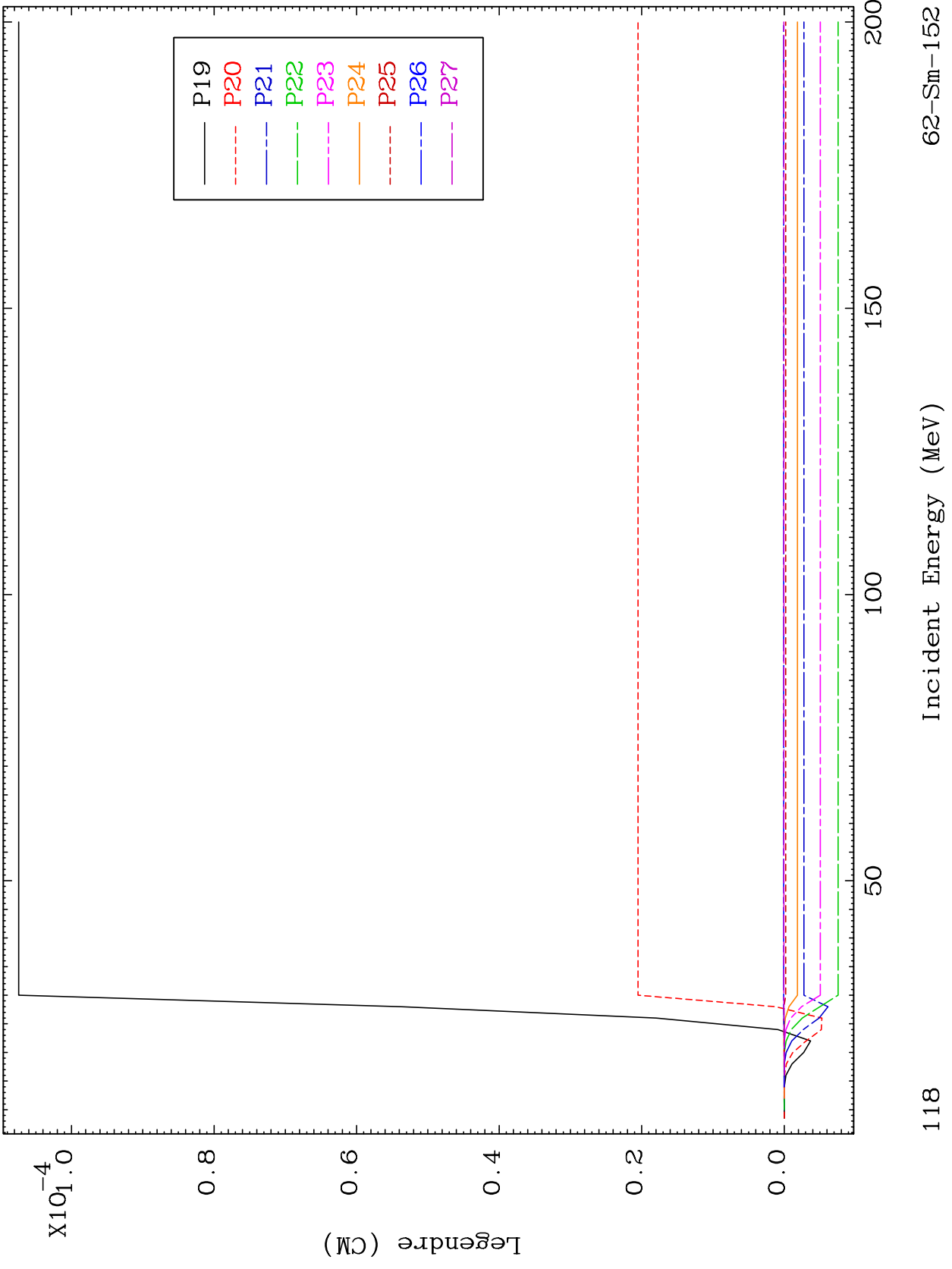
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 77 (n,n') Level
Legendre Coefficients

62-Sm-152



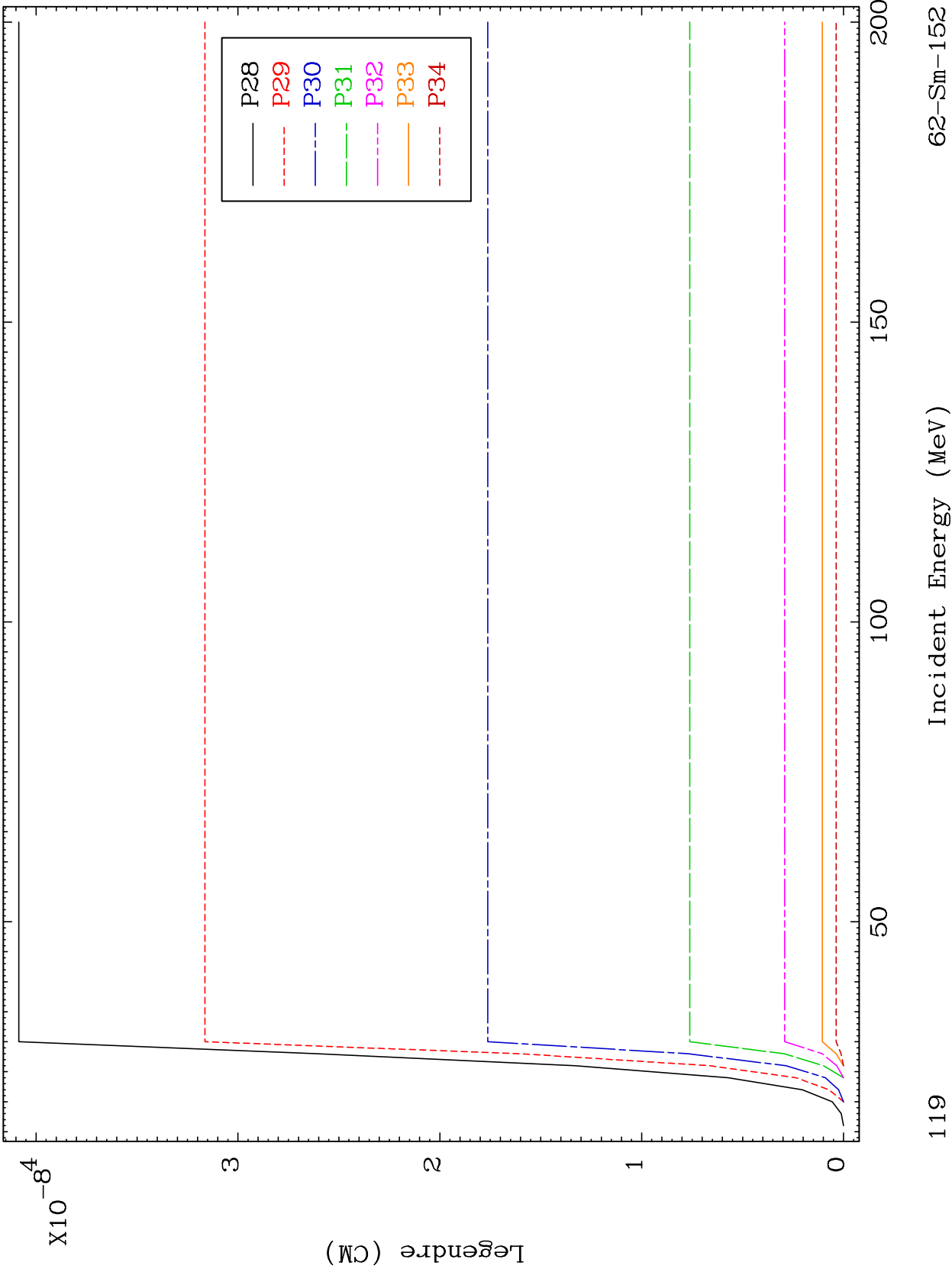
118

62-Sm-152

MAT 6249

MT= 77 (n,n') Level
Legendre Coefficients

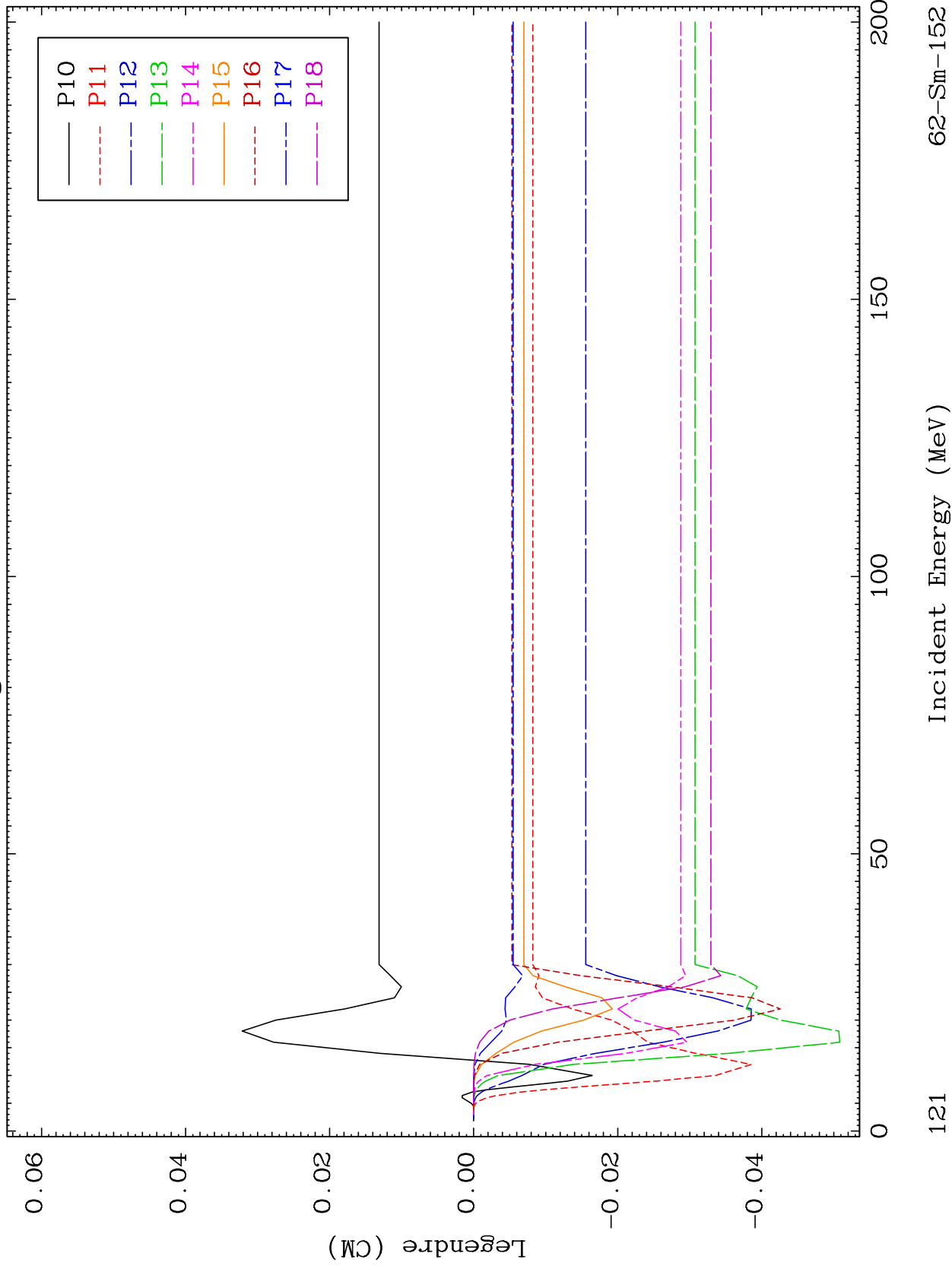
62-Sm-152



MAT 6249

MT= 78 (n,n') Level
Legendre Coefficients

62-Sm-152



121

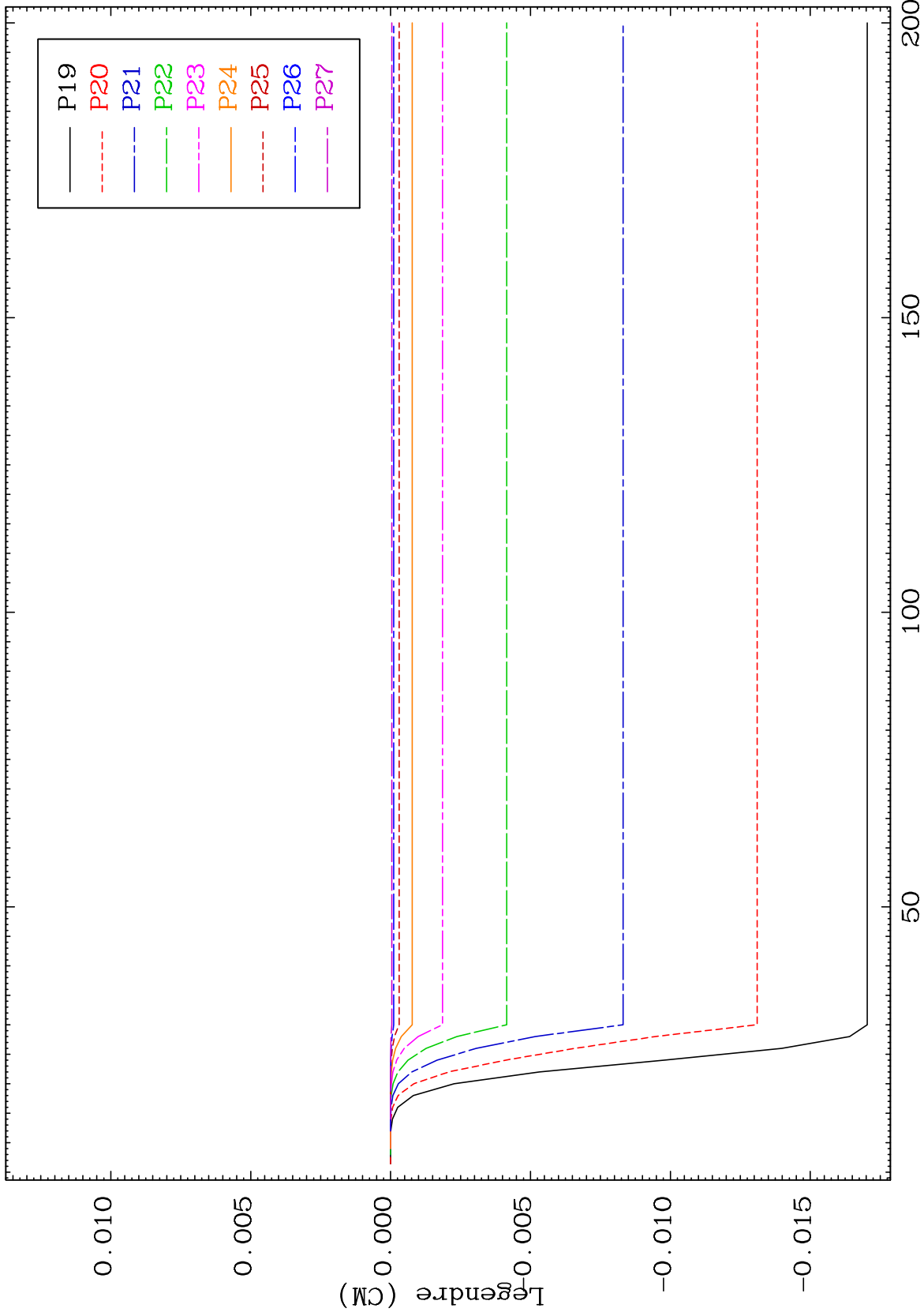
Incident Energy (MeV)

62-Sm-152

MAT 6249

MT= 78 (n,n') Level
Legendre Coefficients

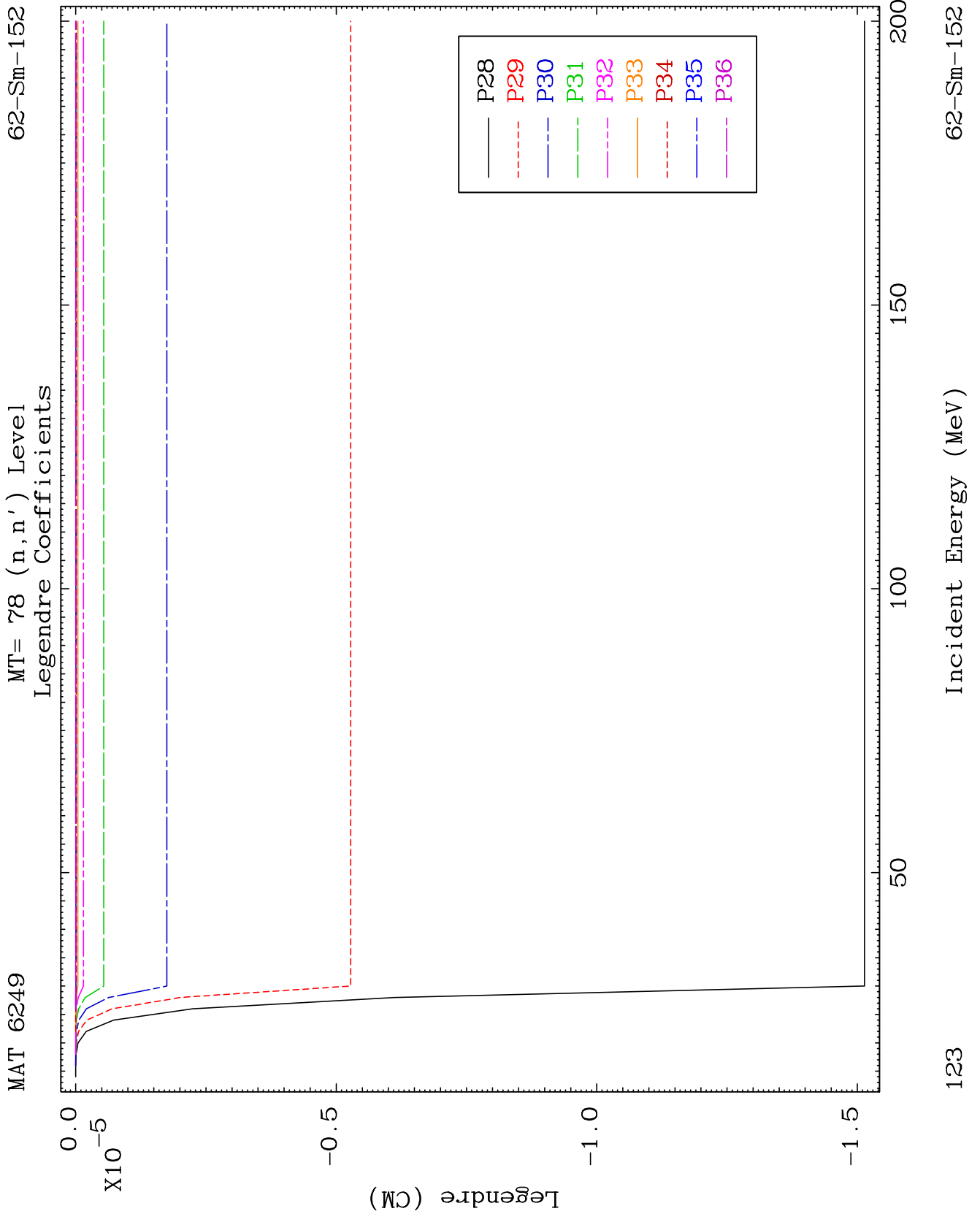
62-Sm-152



122

Incident Energy (MeV)

62-Sm-152

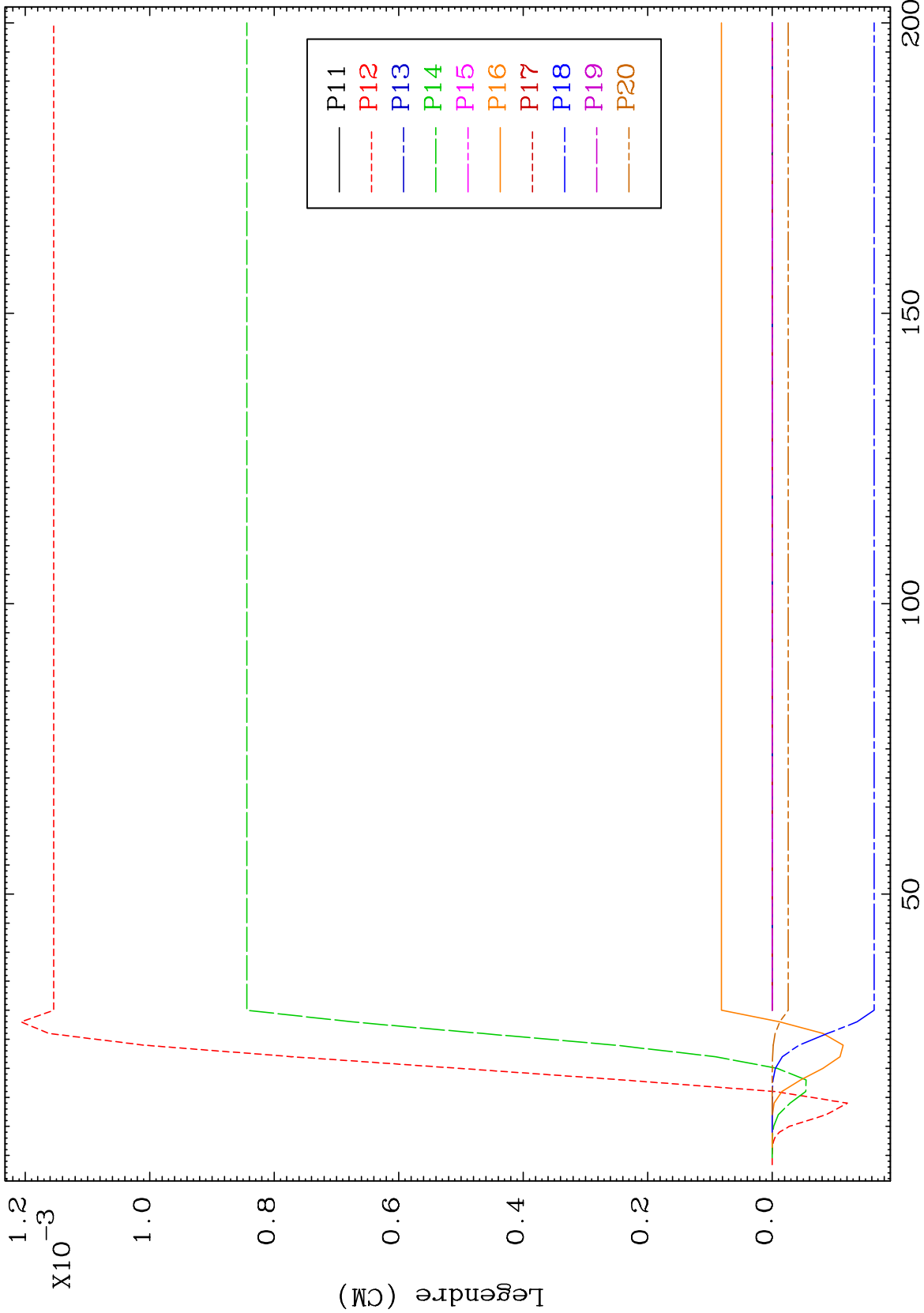


MAT 6249

MT= 79 (n,n') Level

62-Sm-152

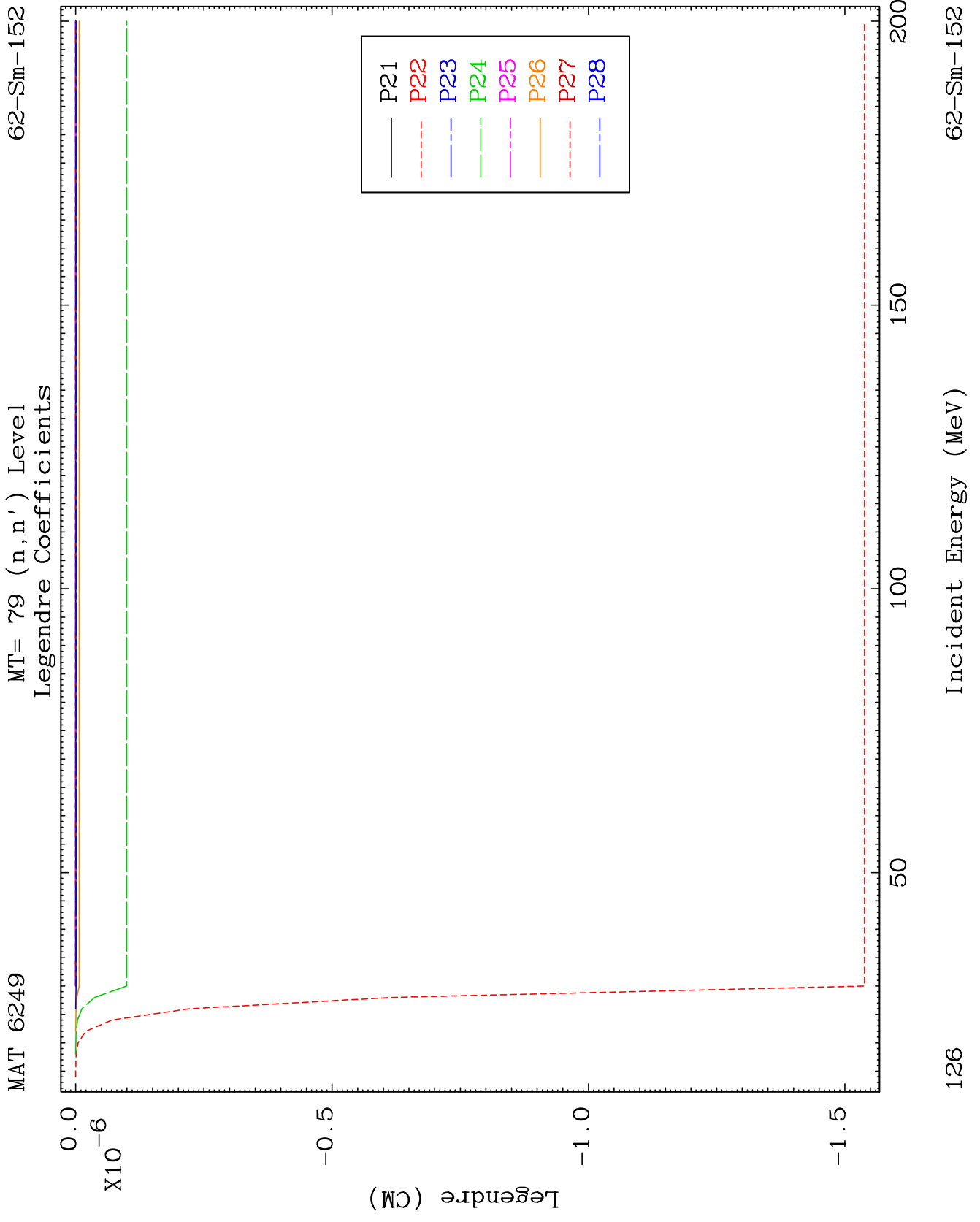
Legendre Coefficients



125

Incident Energy (MeV)

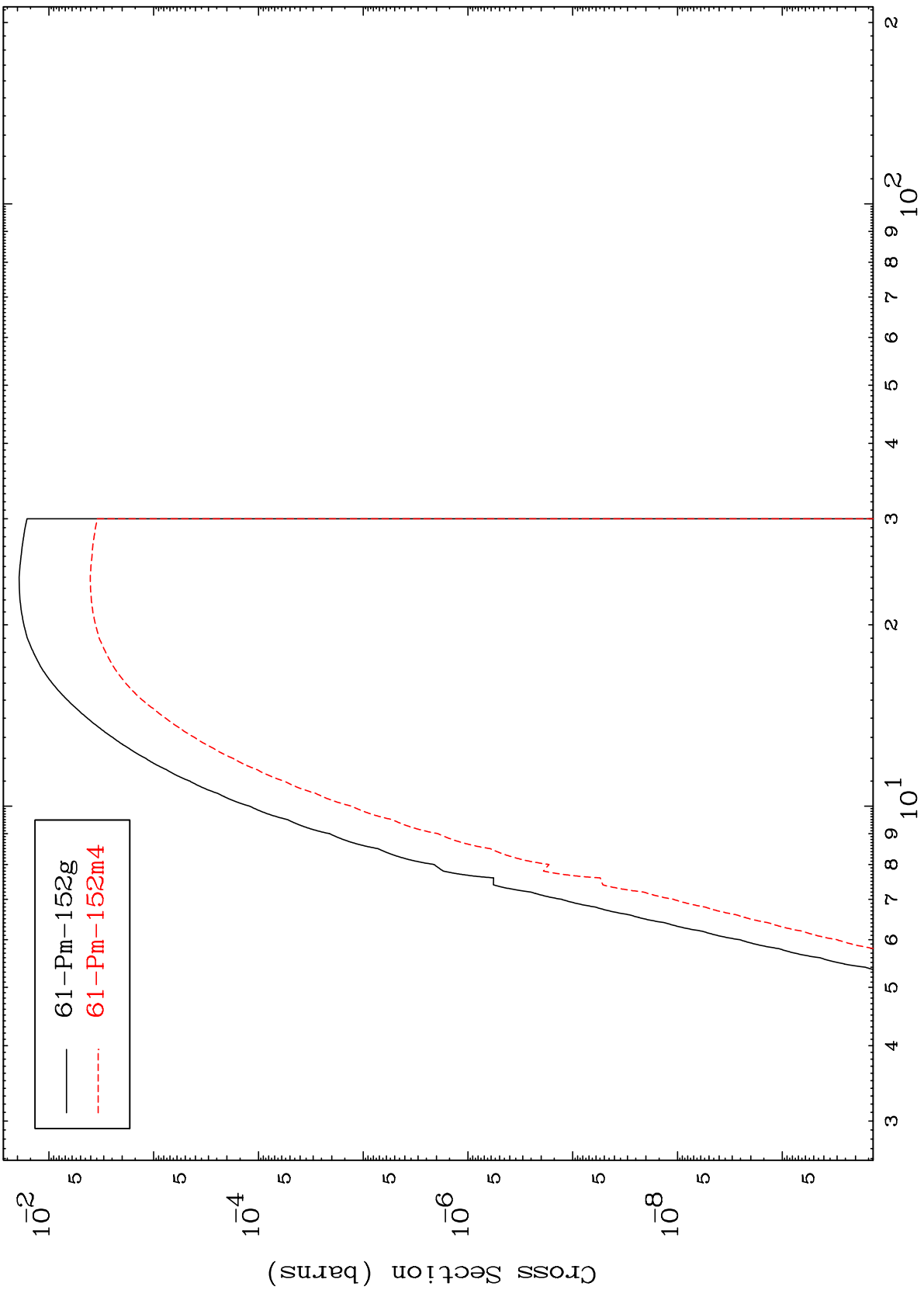
62-Sm-152



MAT 6249

62-Sm-152

(n,p)
Radionuclide Production Cross Section



— 61-Pm-152g
- - - 61-Pm-152m4

127

Incident Energy (MeV)

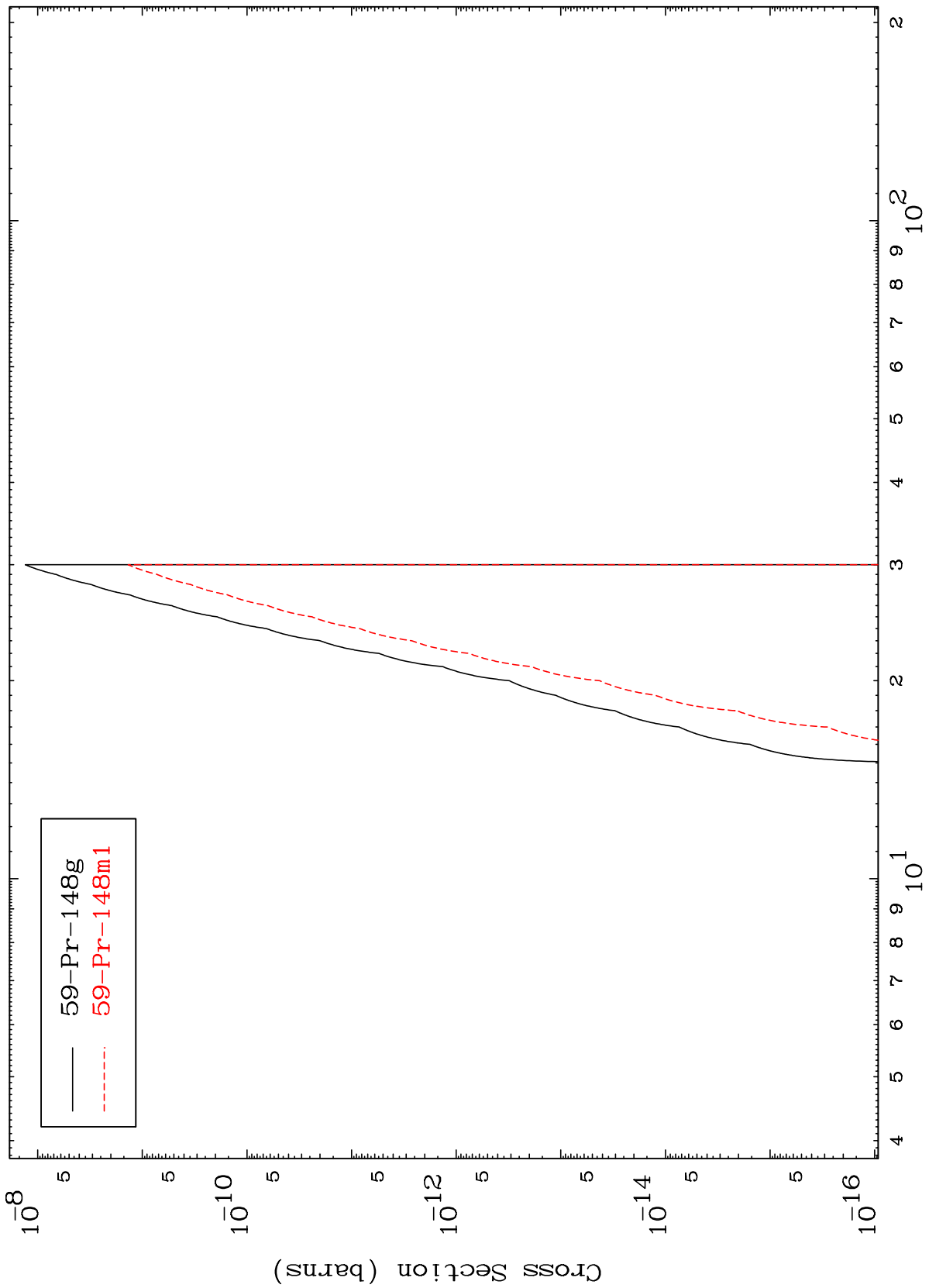
62-Sm-152

MAT 6249

(n,p) α

62-Sm-152

Radionuclide Production Cross Section



59-Pr-148g
59-Pr-148m1

128

Incident Energy (MeV)

62-Sm-152