

Program EVALPLOT
(Version 2021-1)

by

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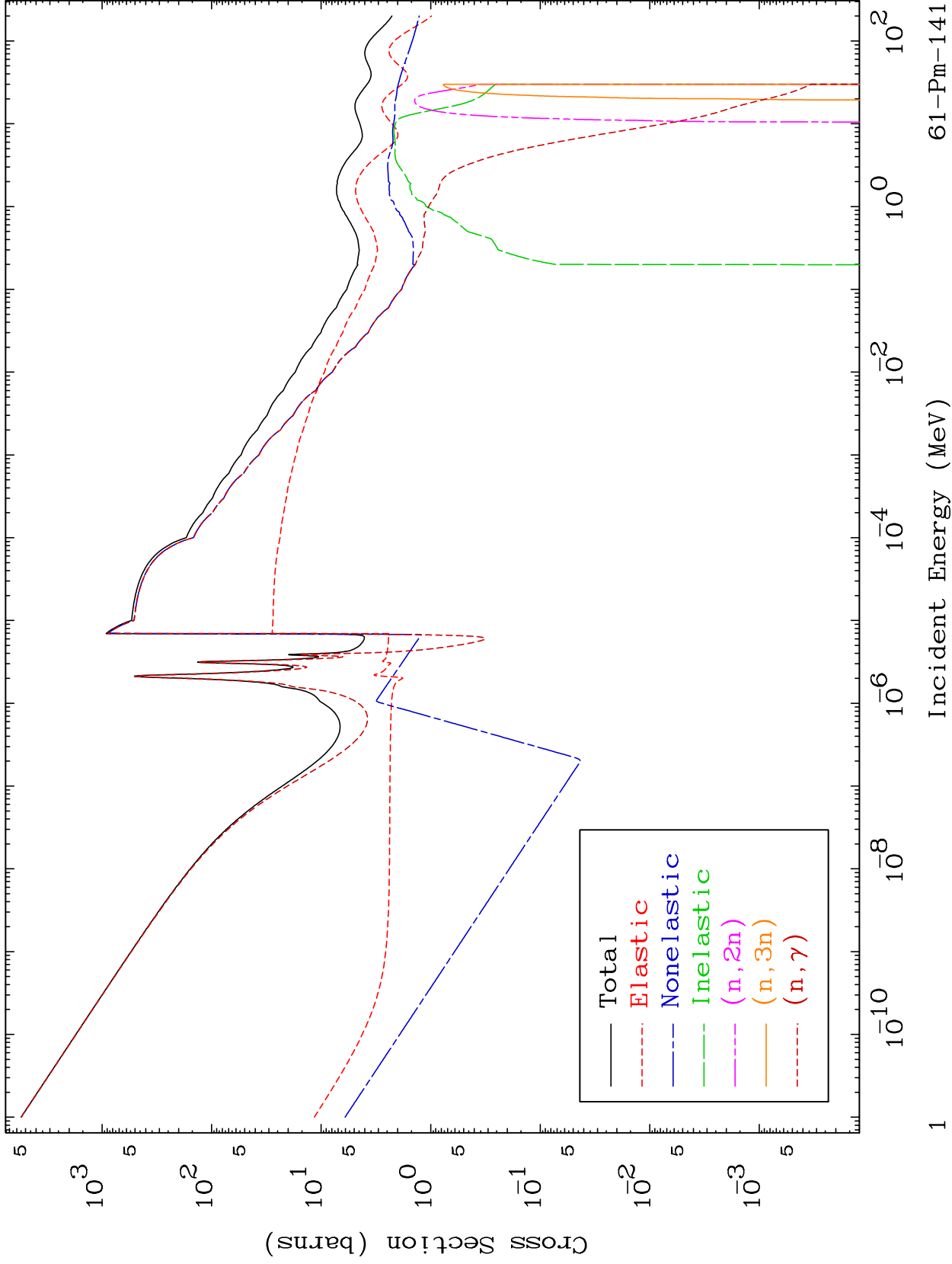
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Press Mouse Button to Start

MAT 6131

Neutron Major
293 Kelvin Cross Sections

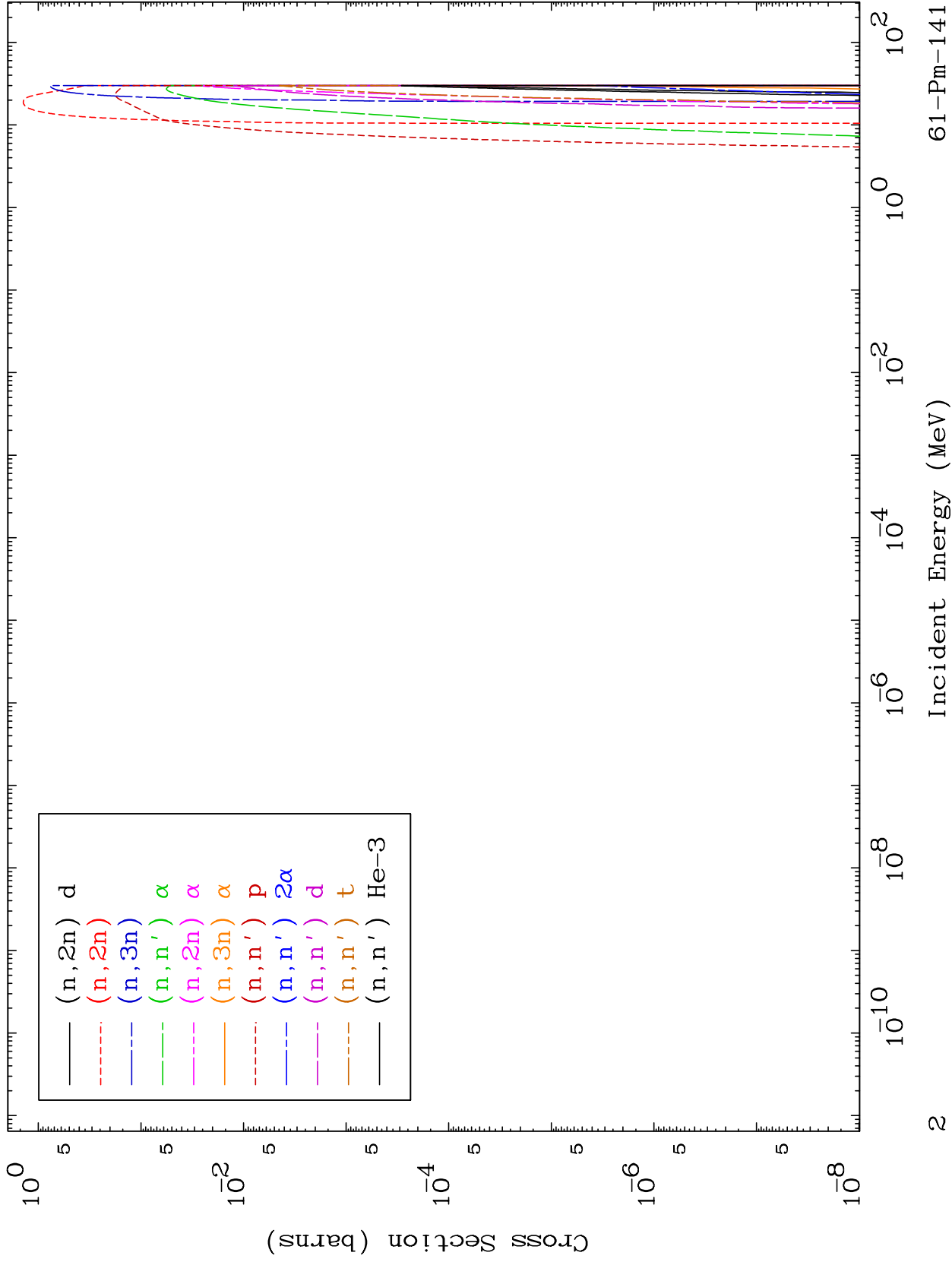
61-Pm-141



MAT 6131

Neutron Absorption
293 Kelvin Cross Sections

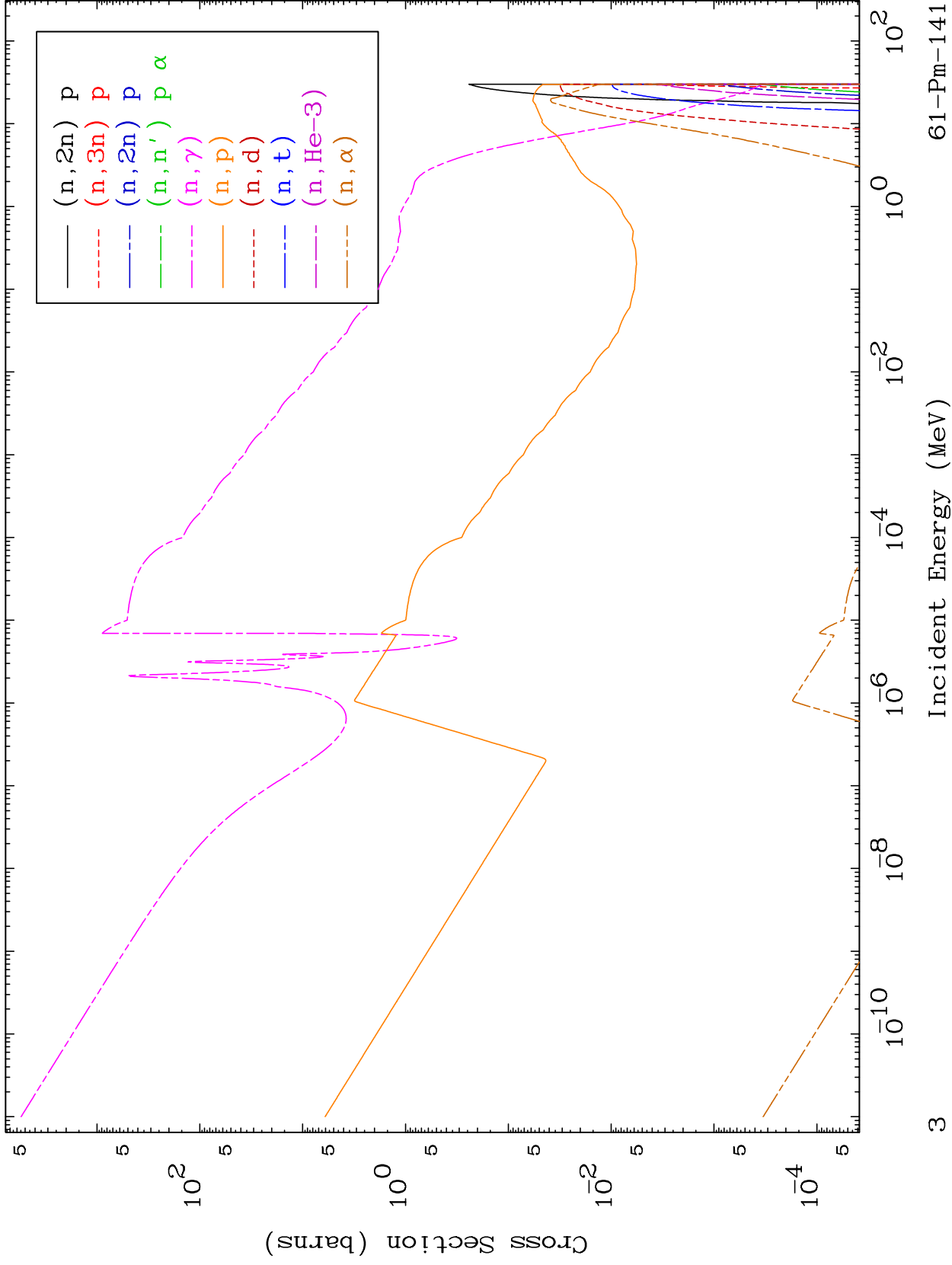
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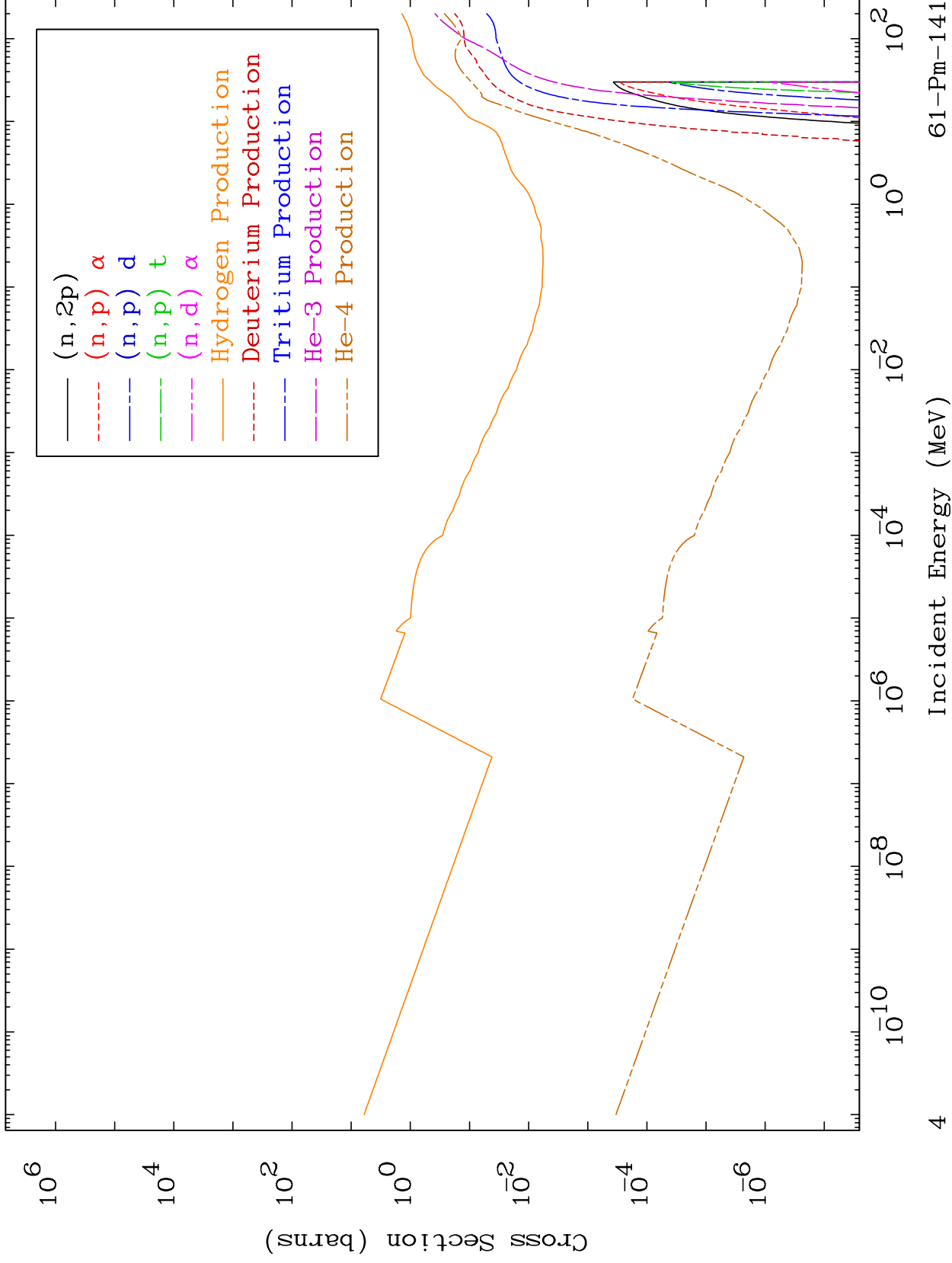


MAT 6131

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-141

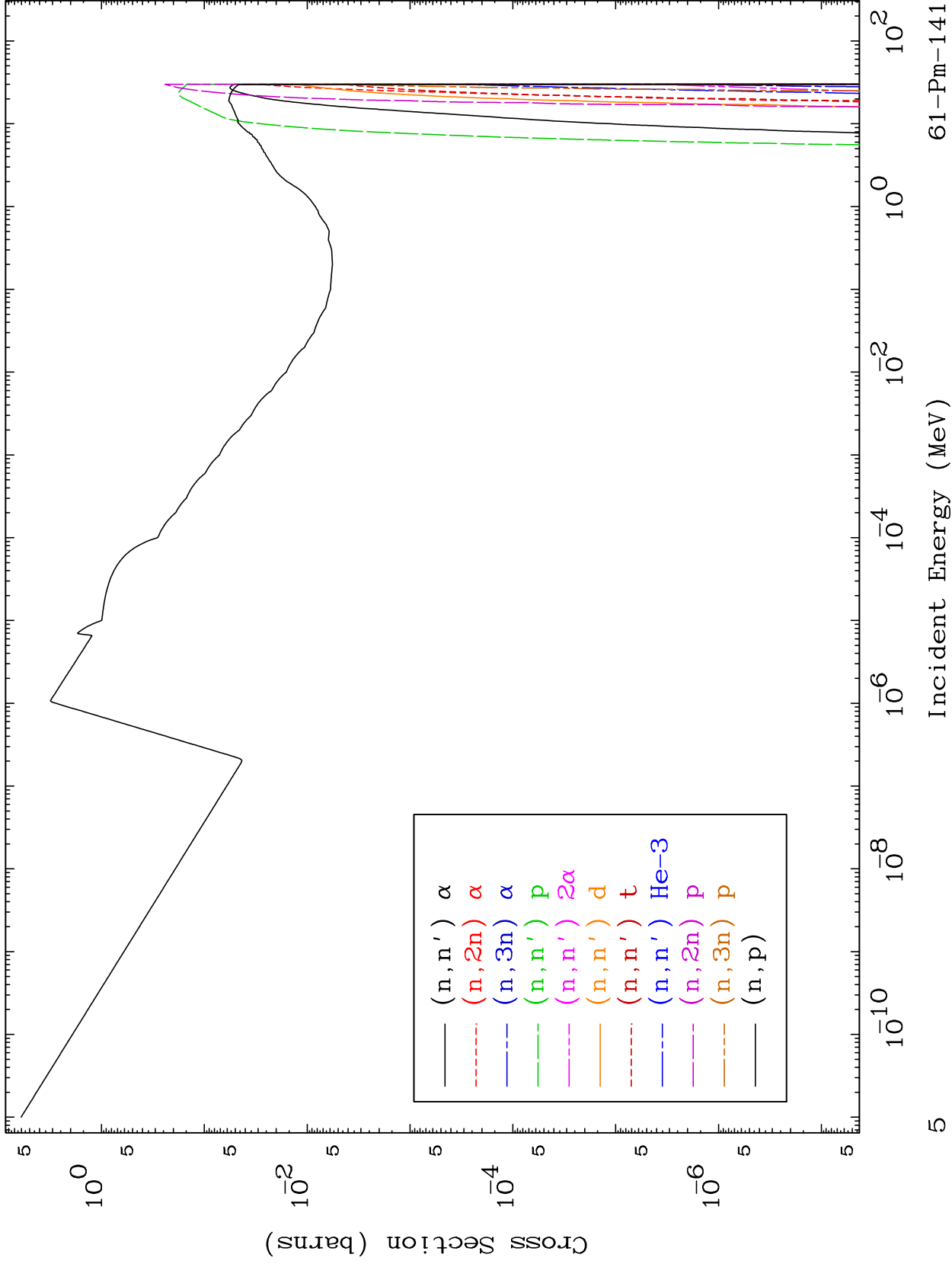




MAT 6131

Charged Particle
293 Kelvin Cross Sections

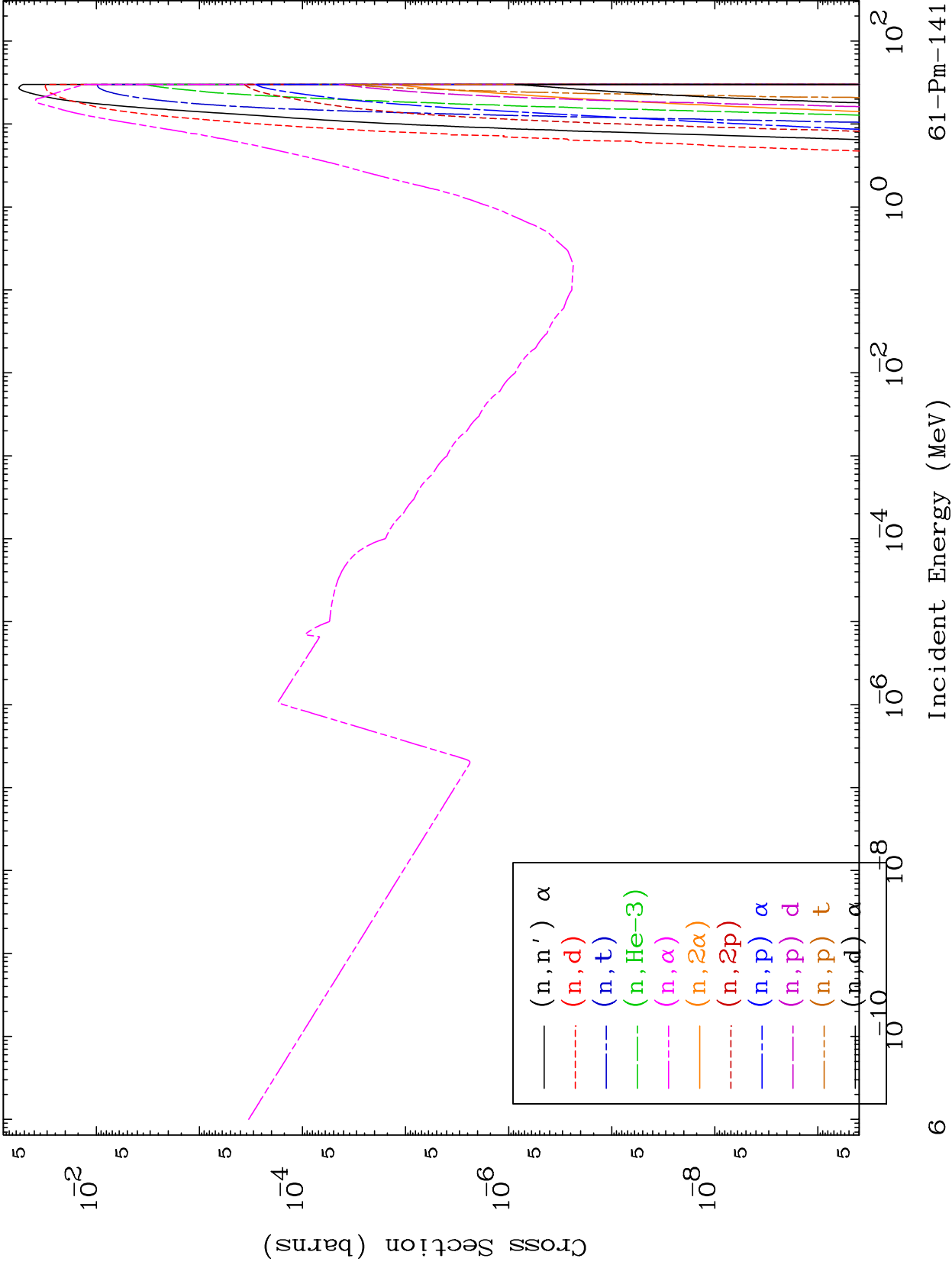
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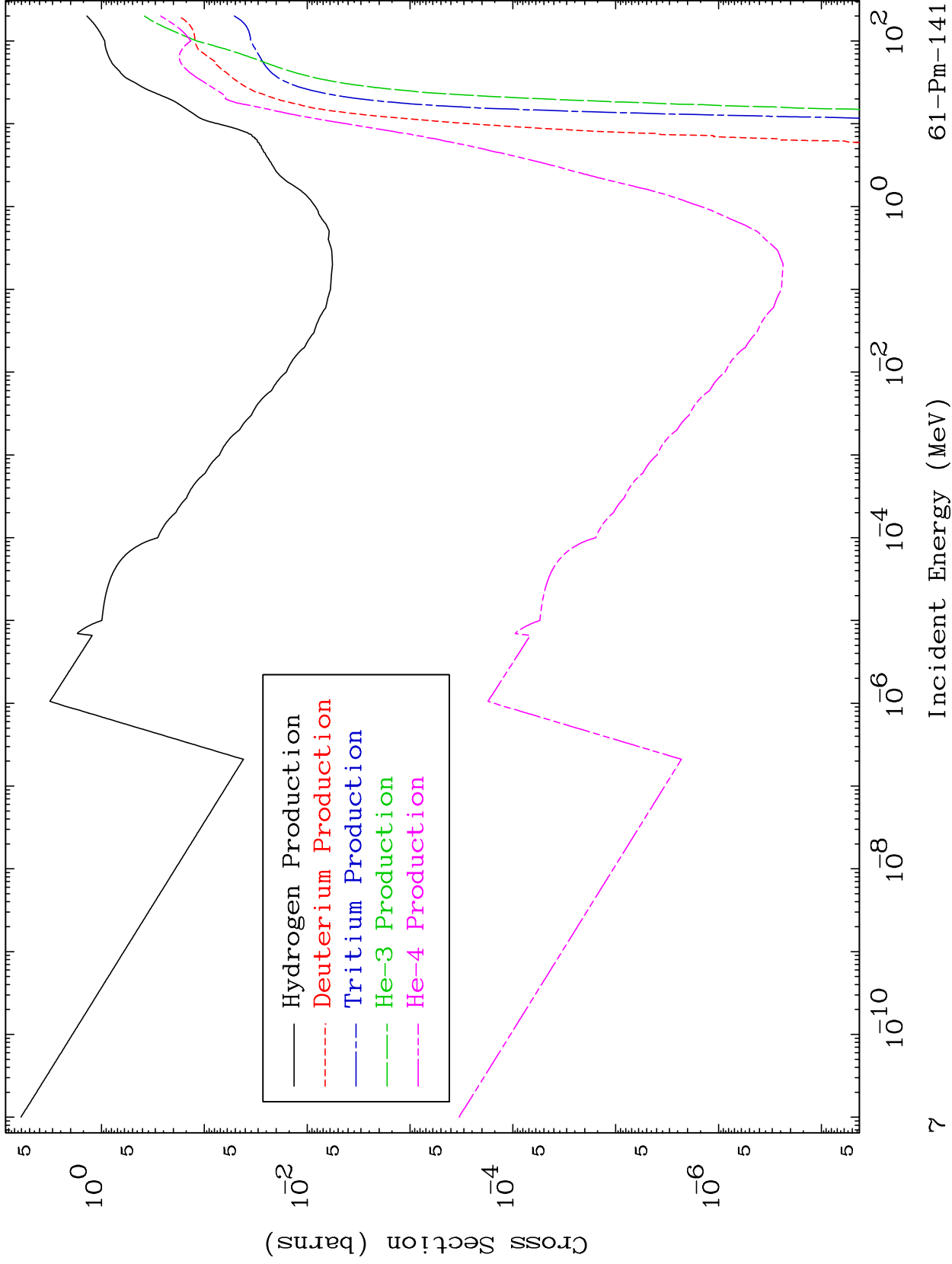


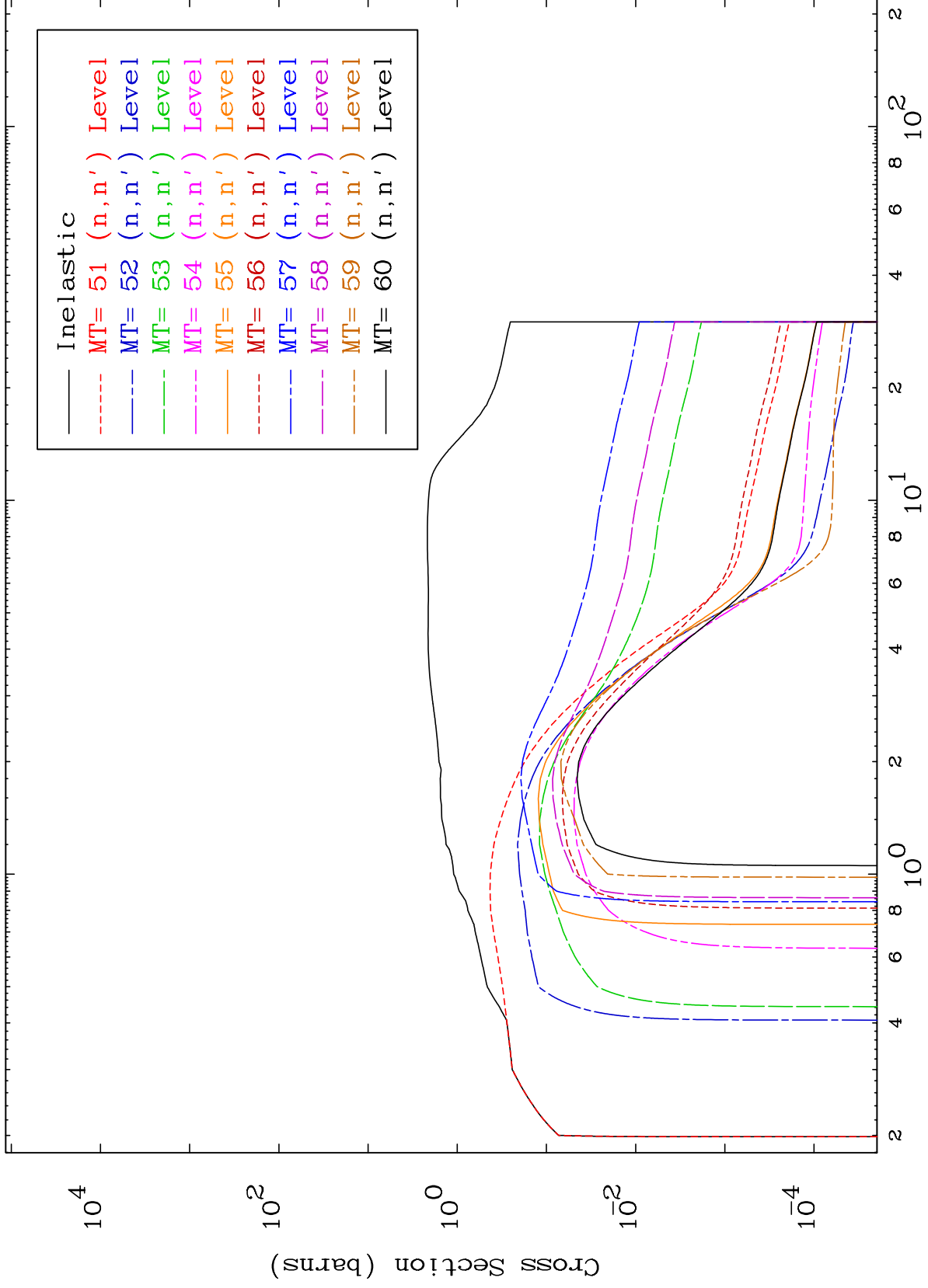
MAT 6131

Charged Particle
293 Kelvin Cross Sections

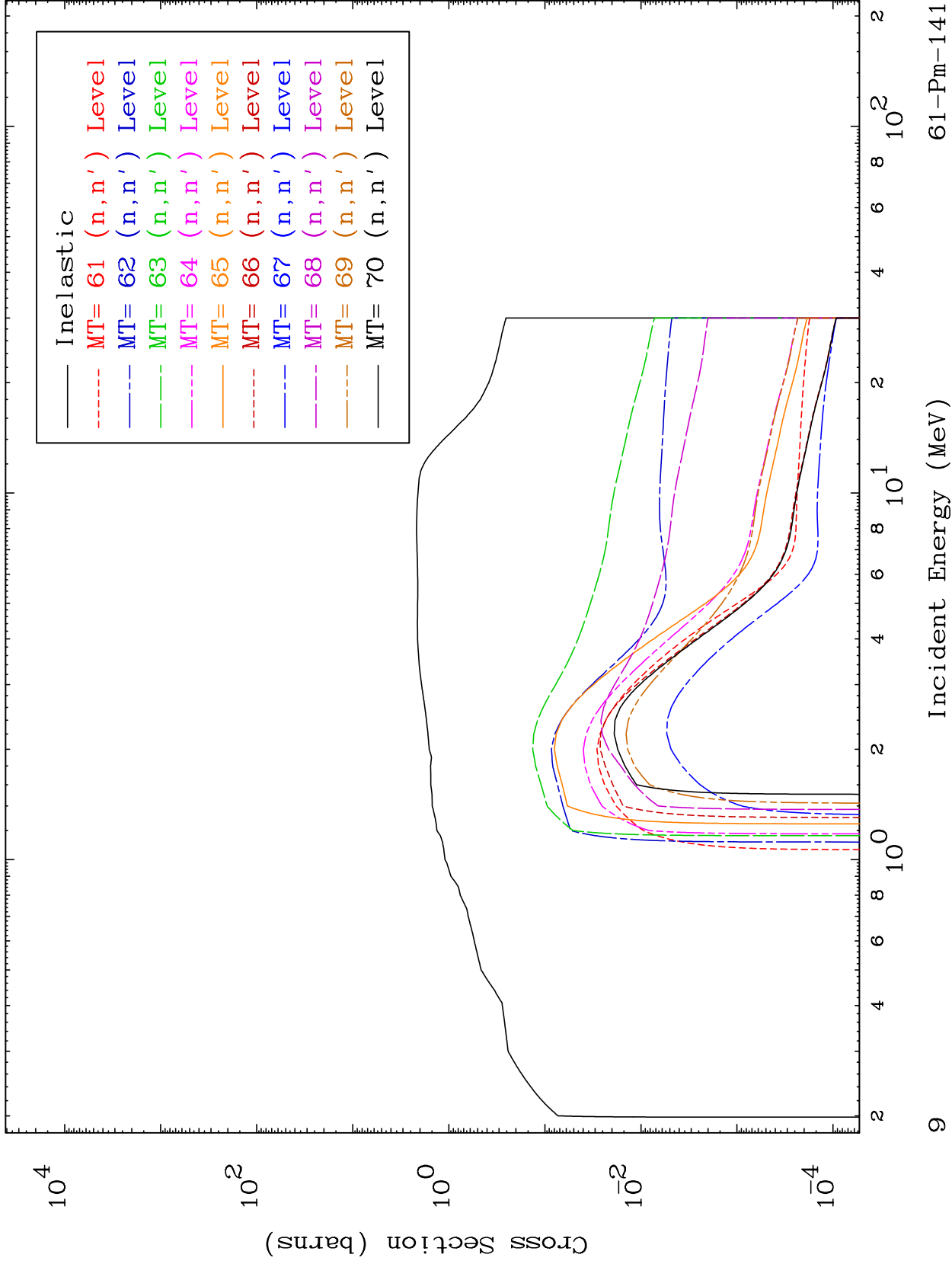
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293 Kelvin Cross Sections

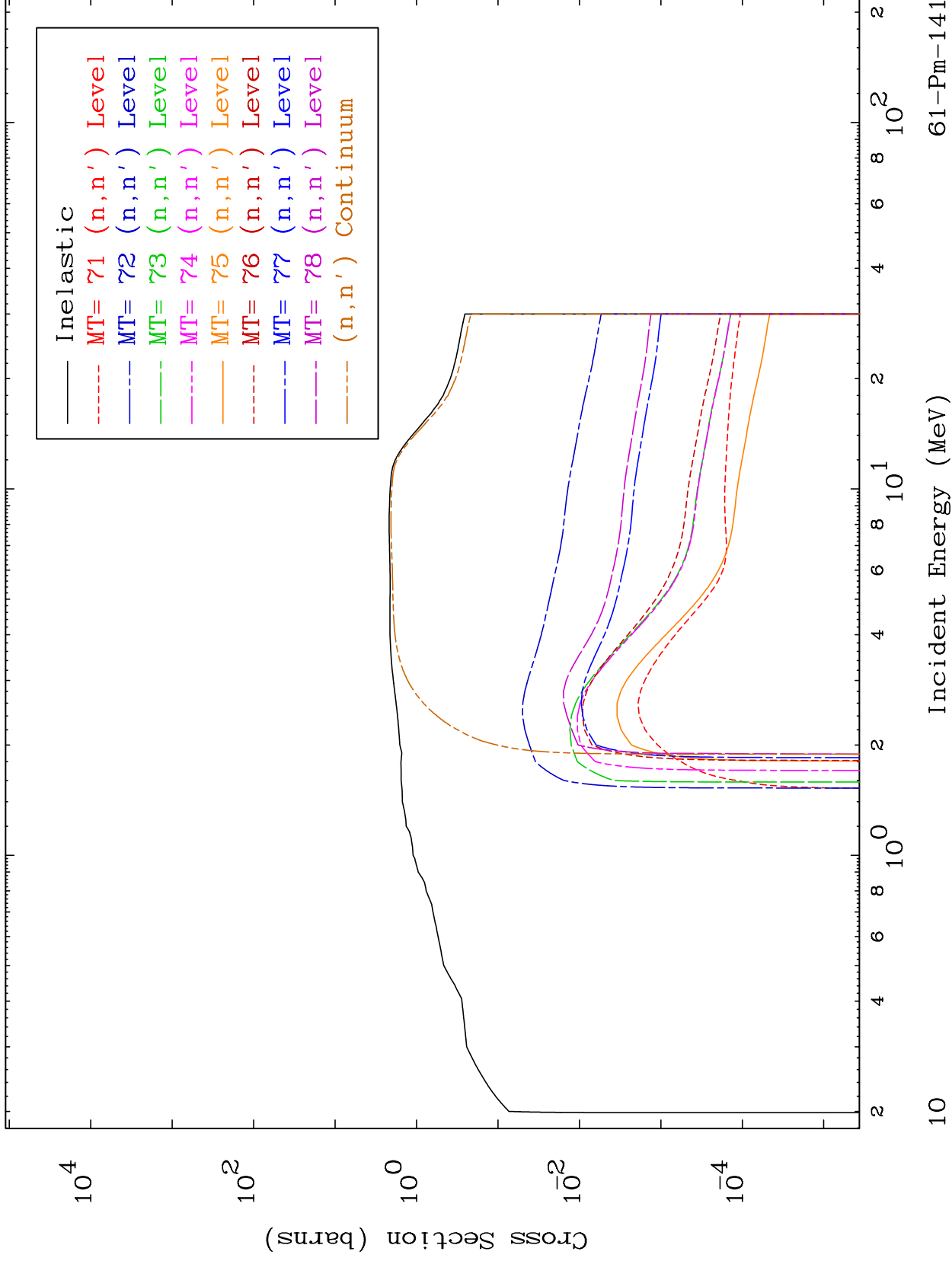


MAT 6131

(n,n') Levels

61-Pm-141

293 Kelvin Cross Sections



10

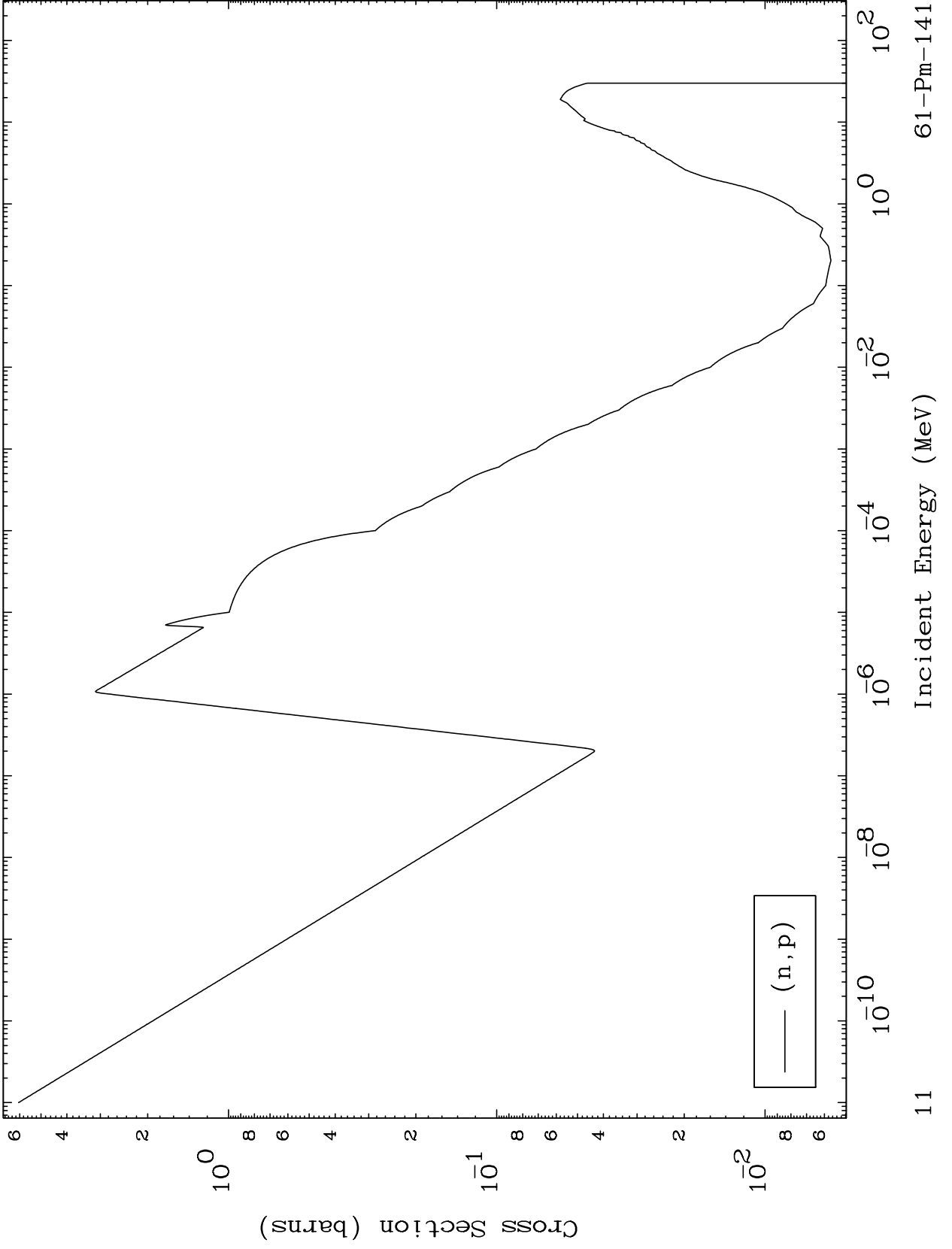
Incident Energy (MeV)

61-Pm-141

MAT 6131

(n,p) Levels
293 Kelvin Cross Sections

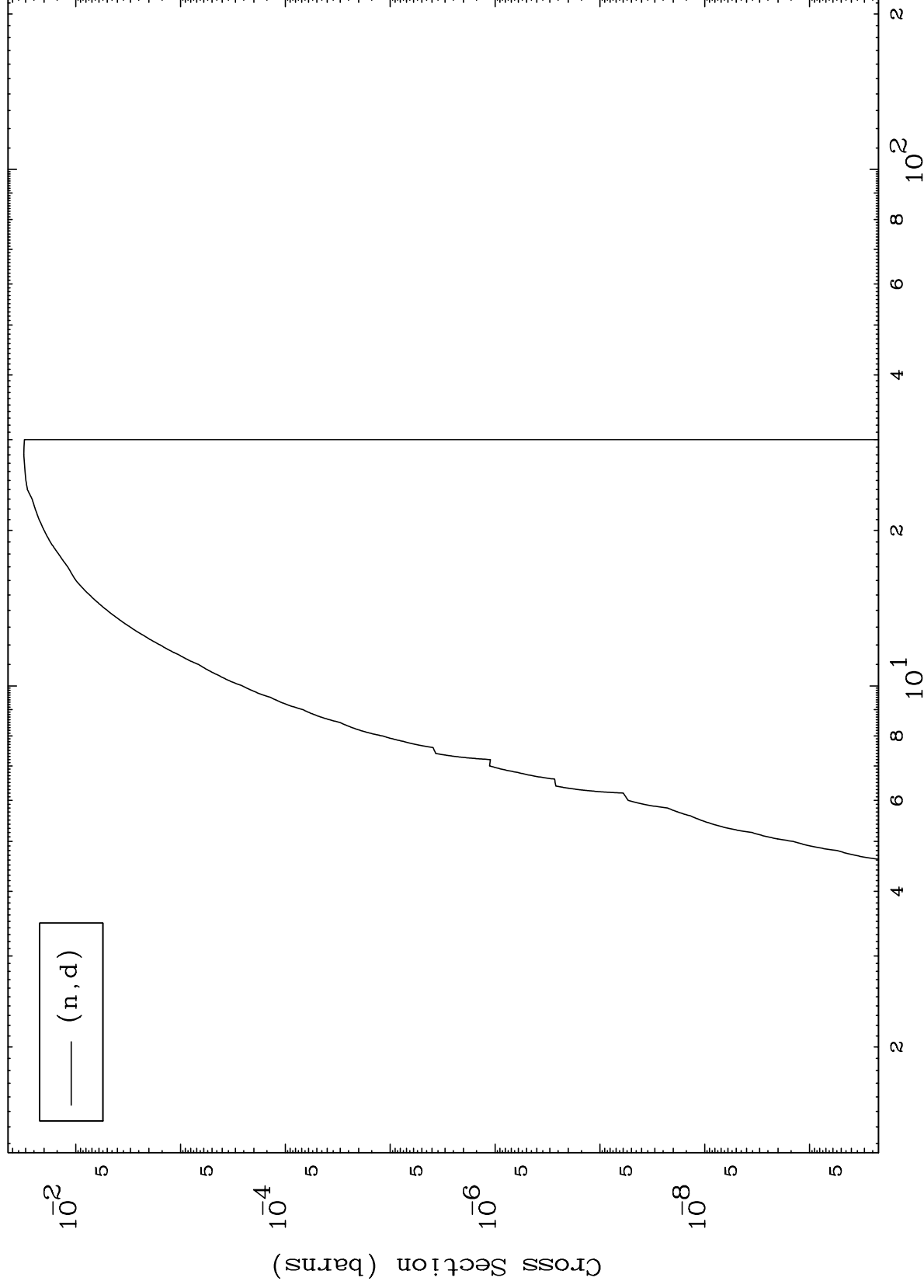
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MAT 6131

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-141



12

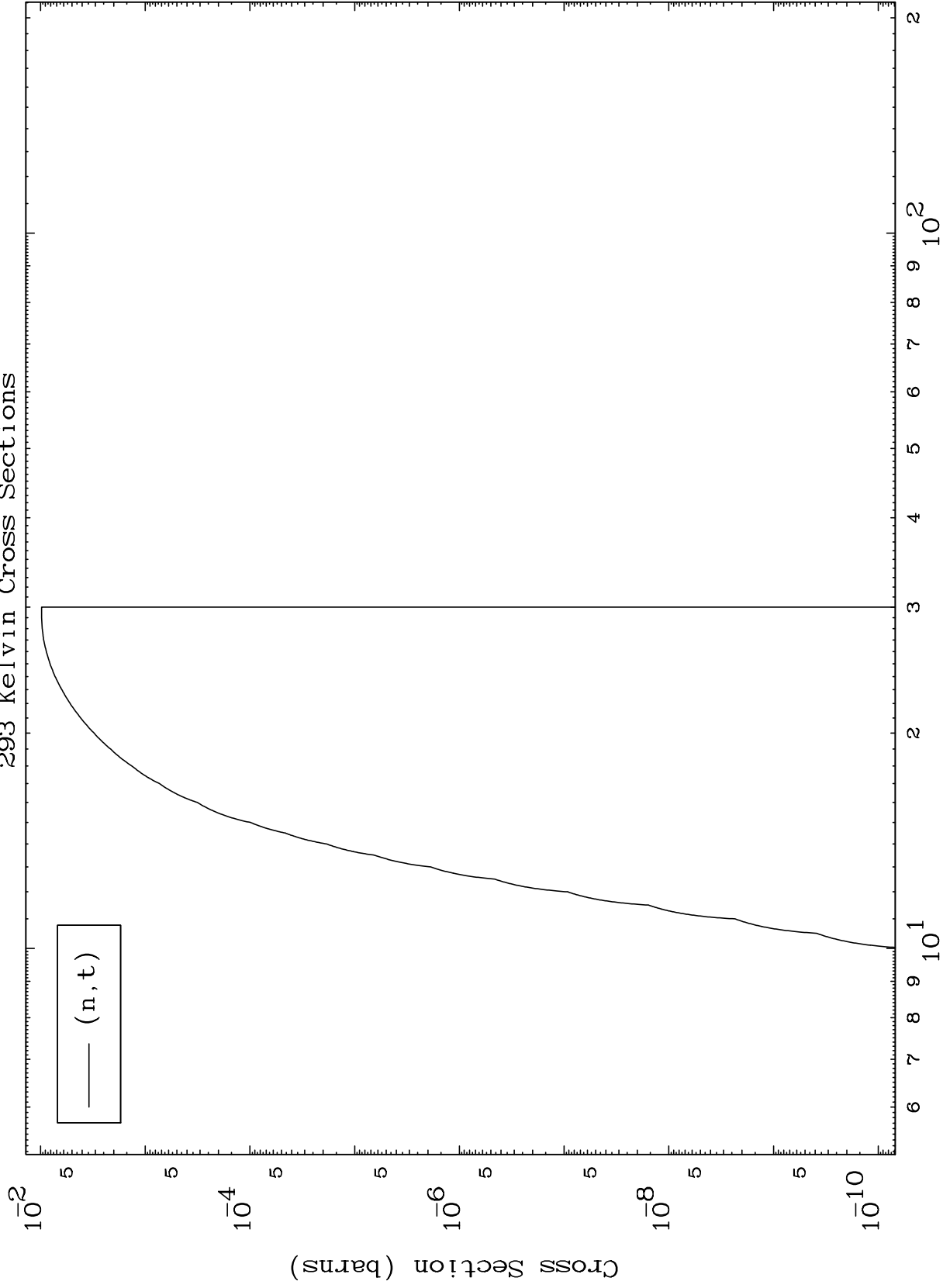
Incident Energy (MeV)

61-Pm-141

MAT 6131

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-141



13

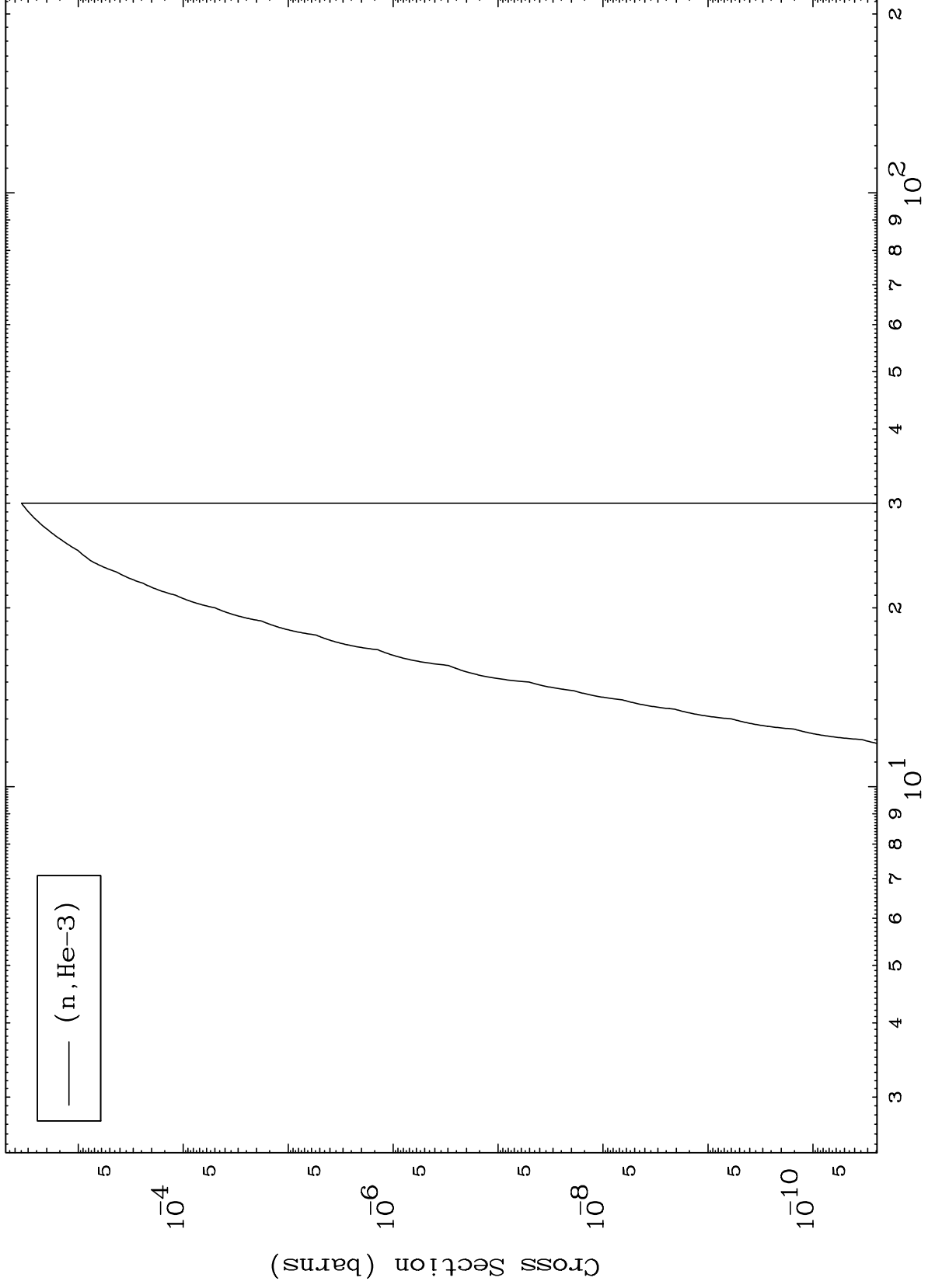
Incident Energy (MeV)

61-Pm-141

MAT 6131

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-141



14

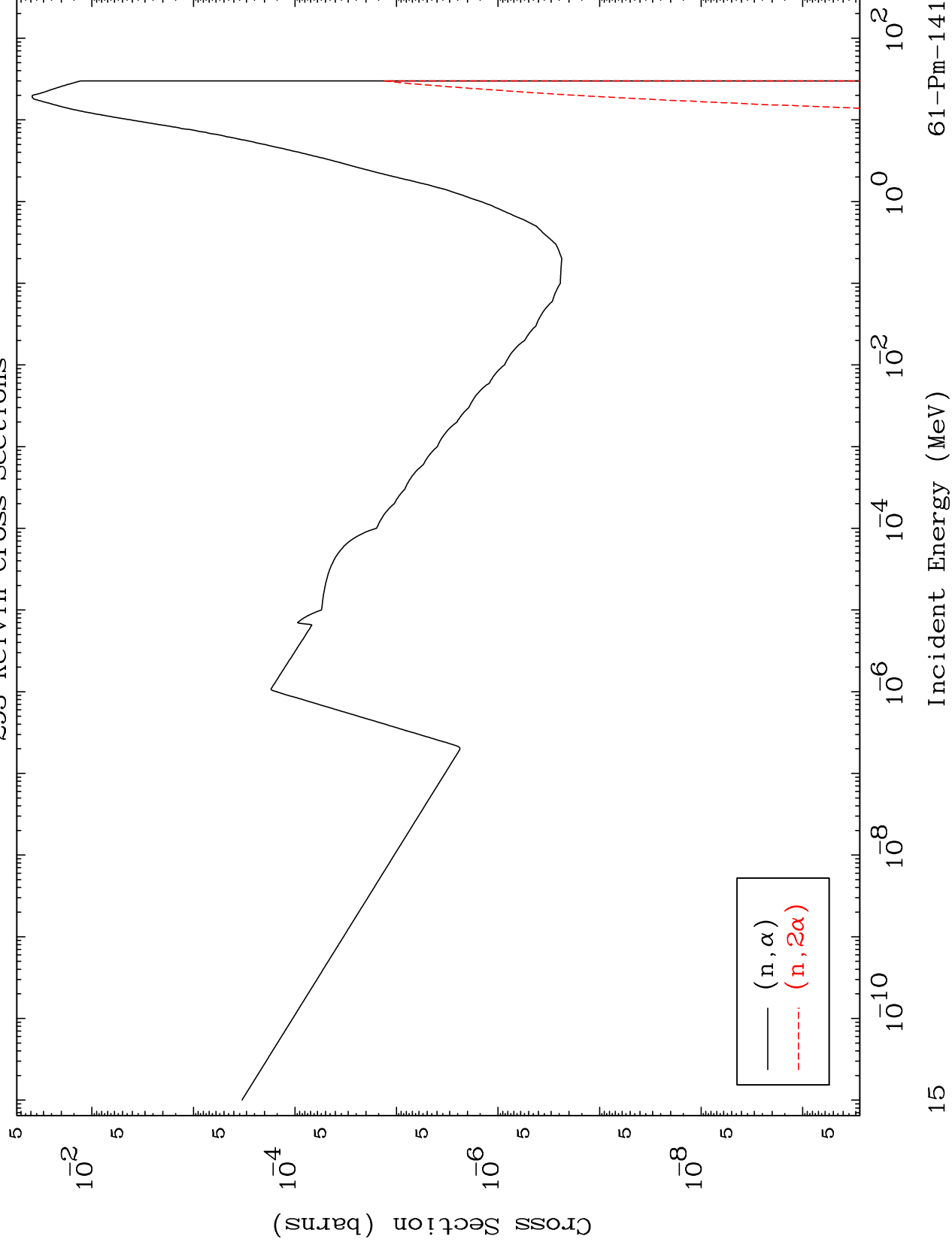
Incident Energy (MeV)

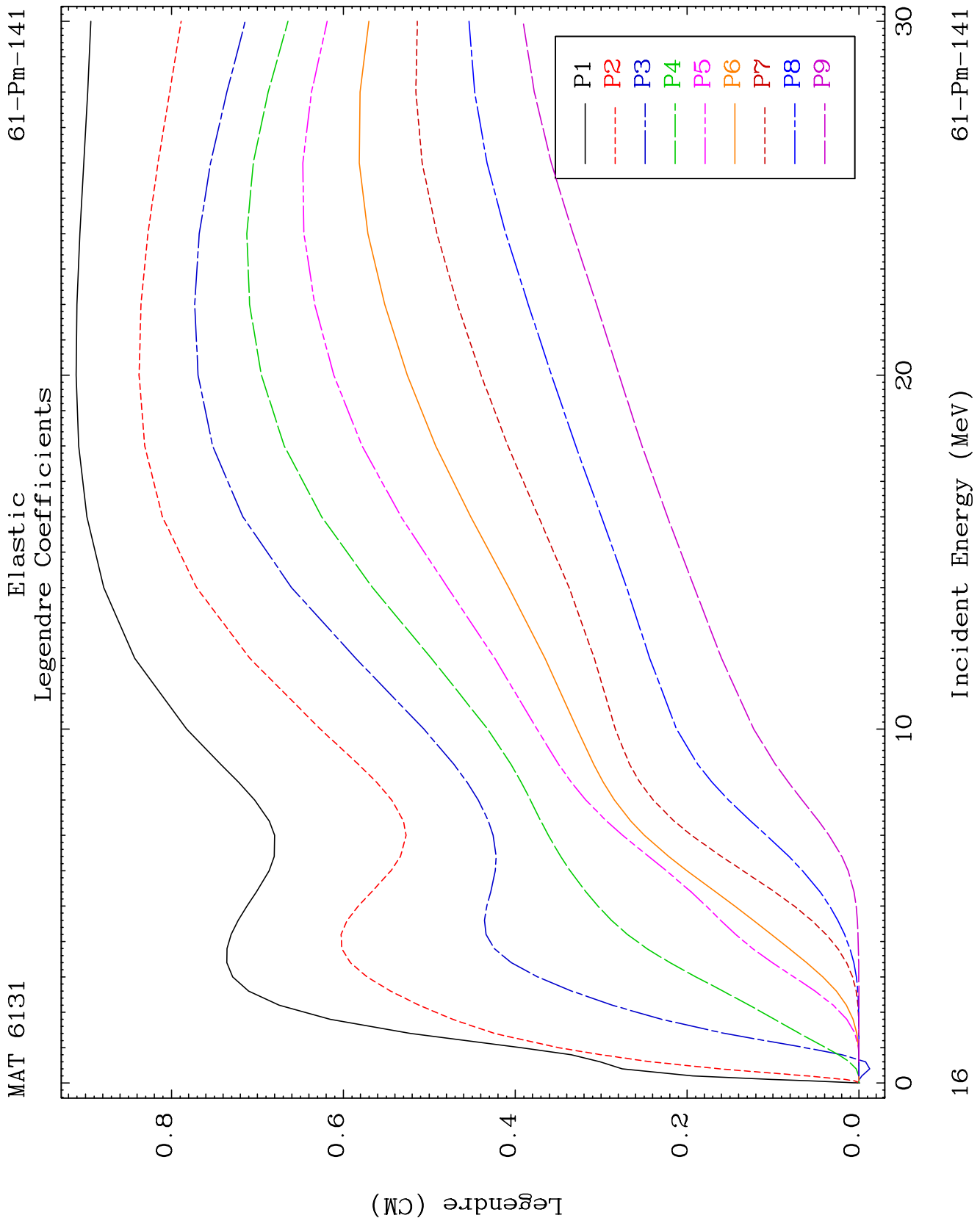
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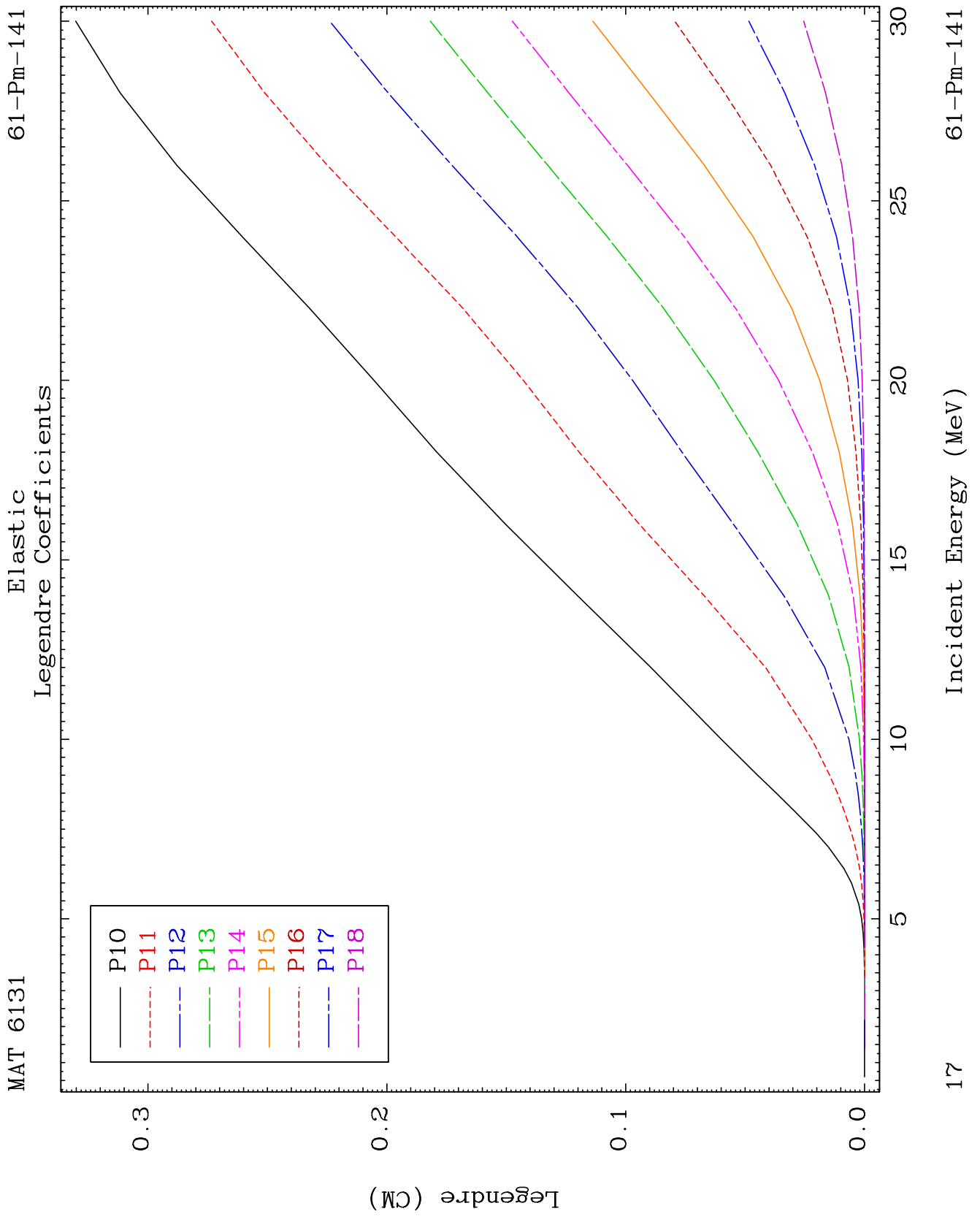
MAT 6131

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-141



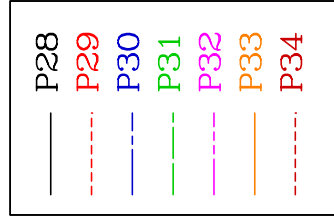




MAT 6131

Elastic
Legendre Coefficients

61-Pm-141



$\times 10^{-6}$

1.2

Legendre (CM)

0.8

0.4

0.0

15

20

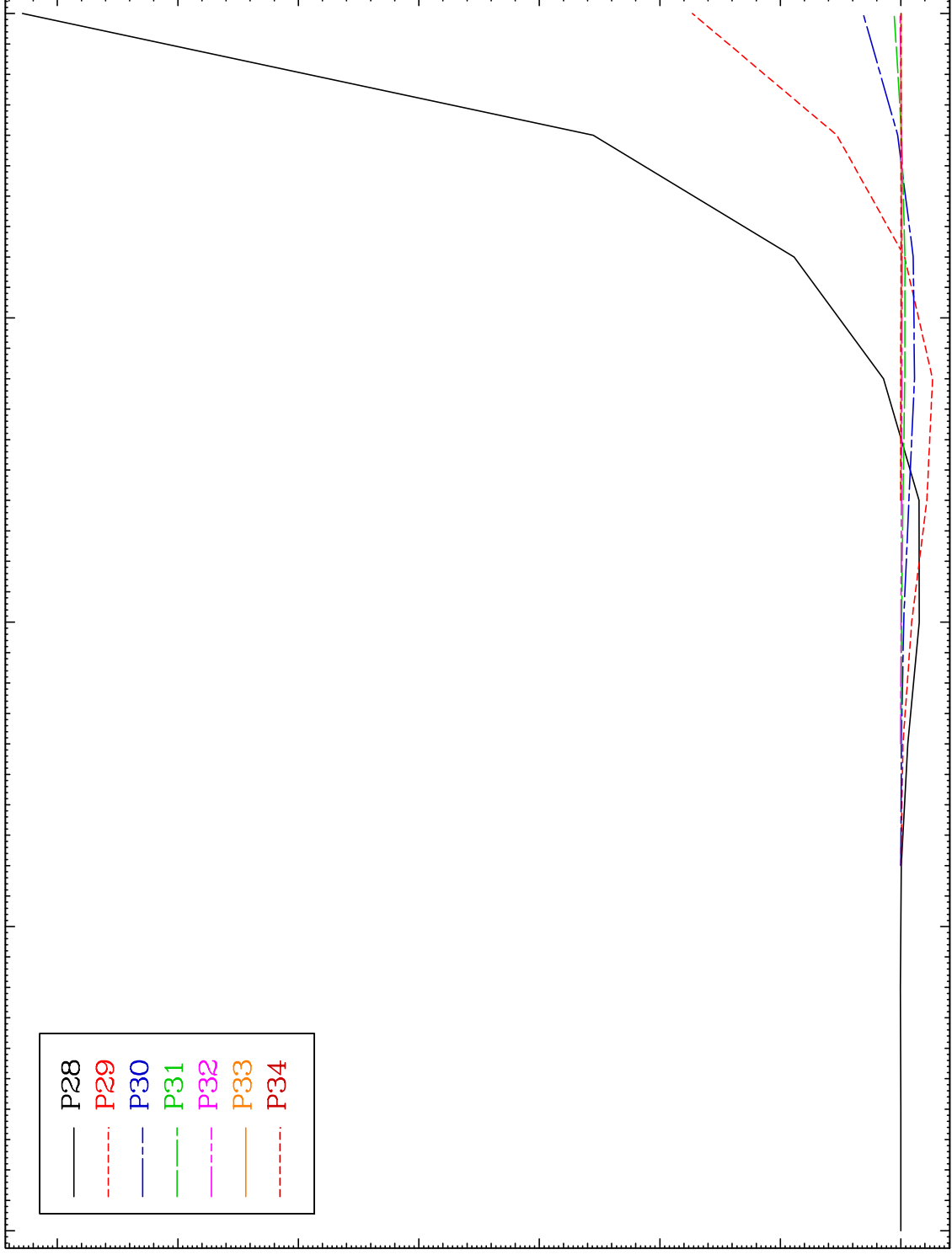
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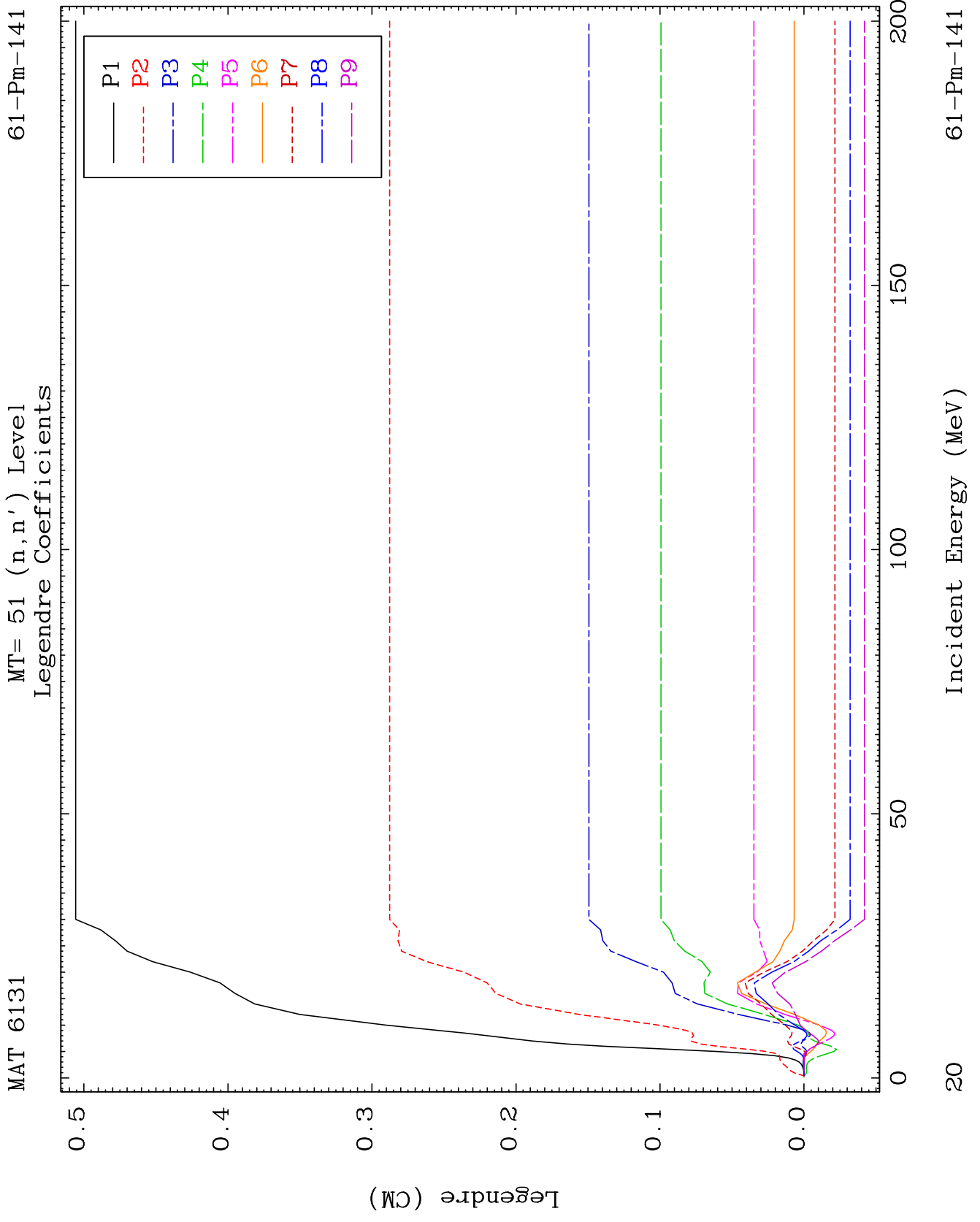
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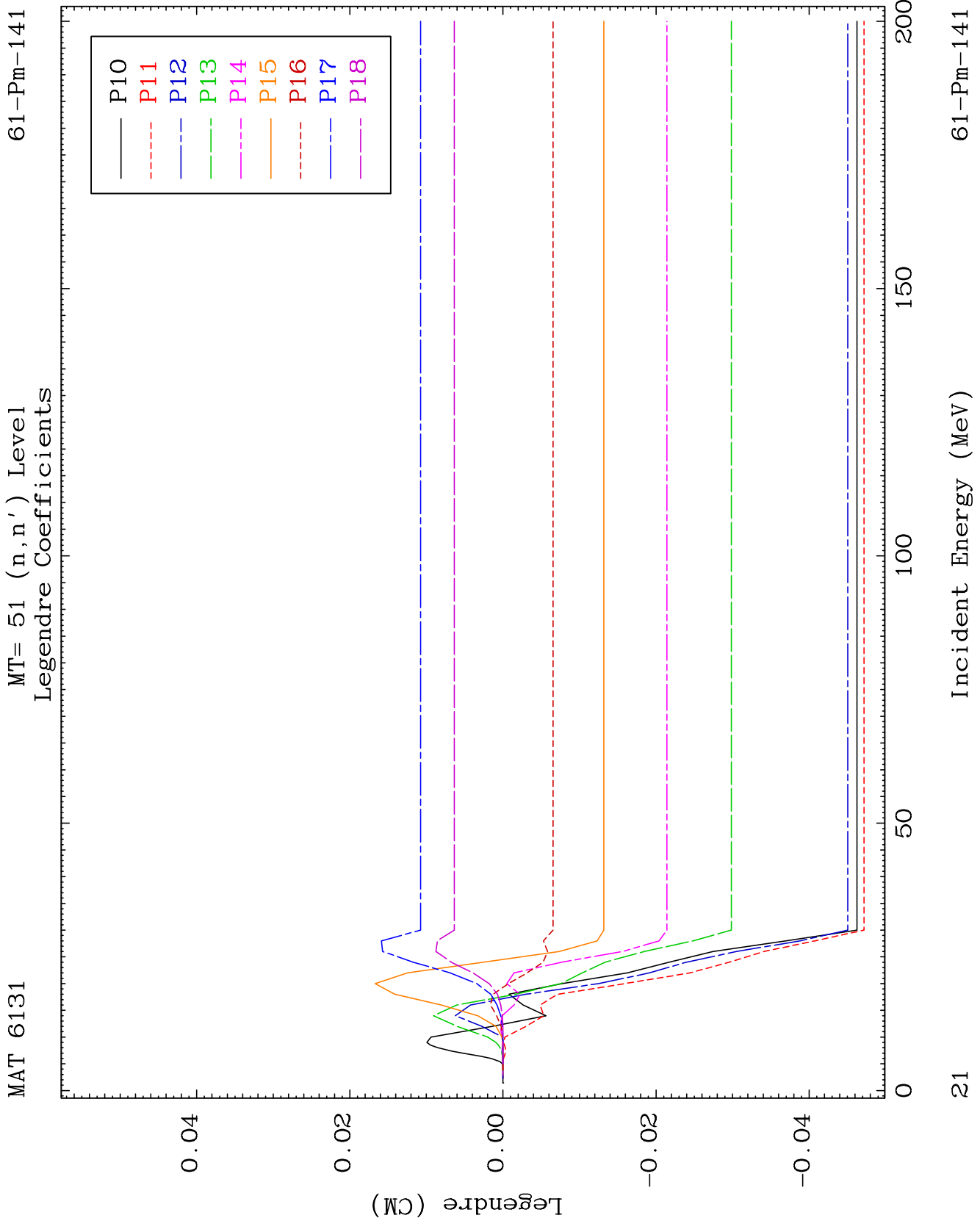
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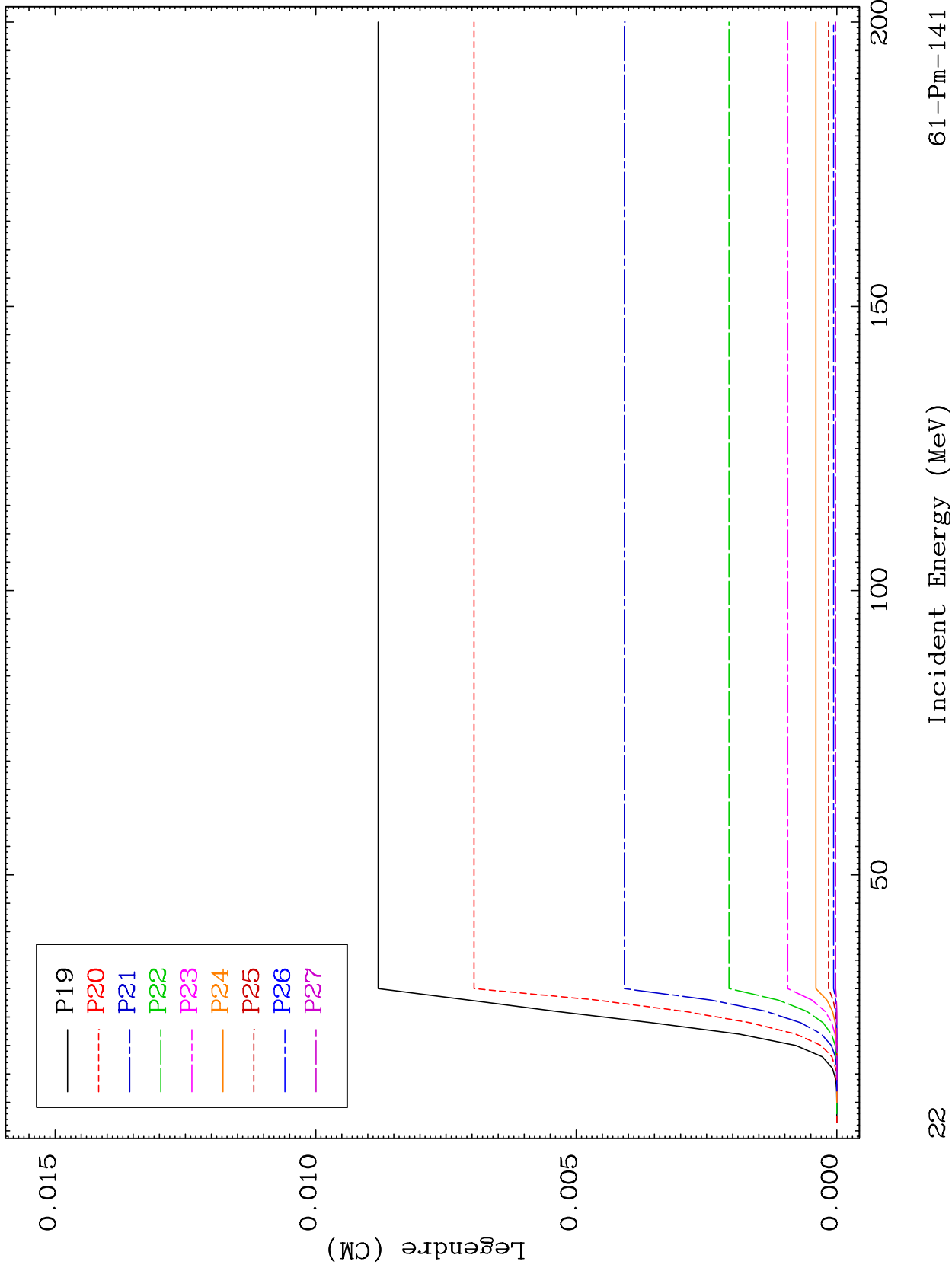
Incident Energy (MeV)

61-Pm-141





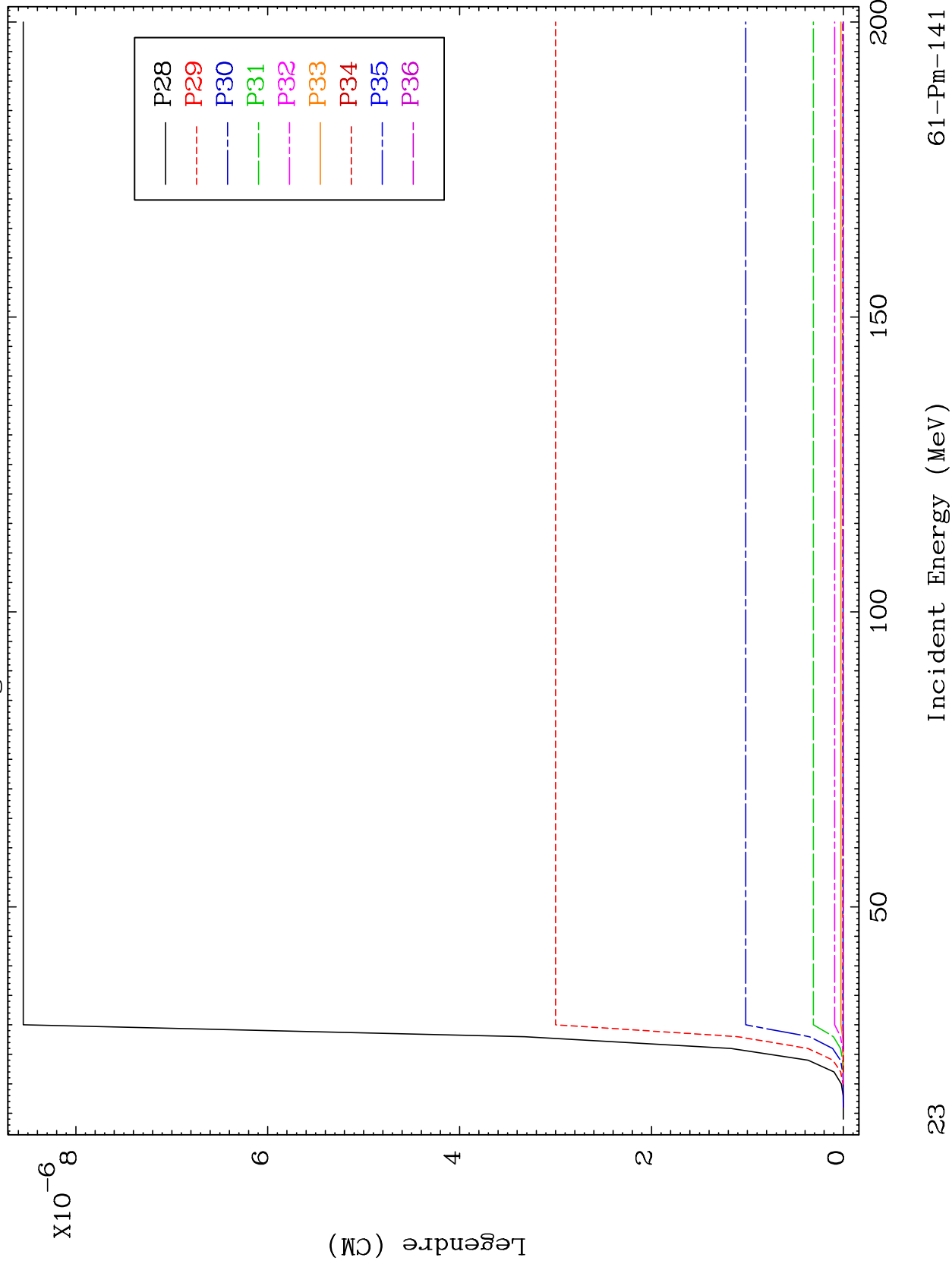




MAT 6131

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

61-Pm-141

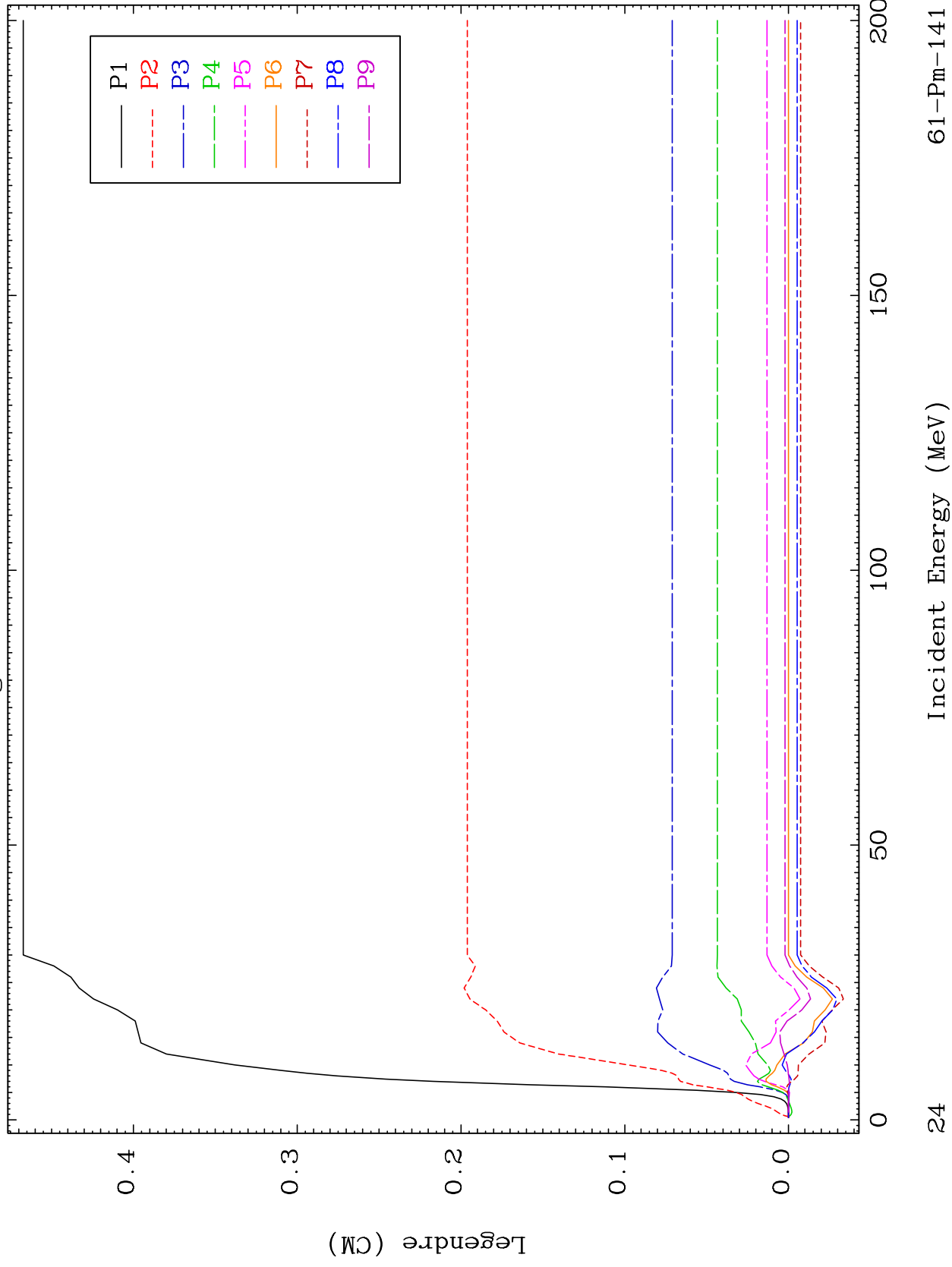


23

MAT 6131

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

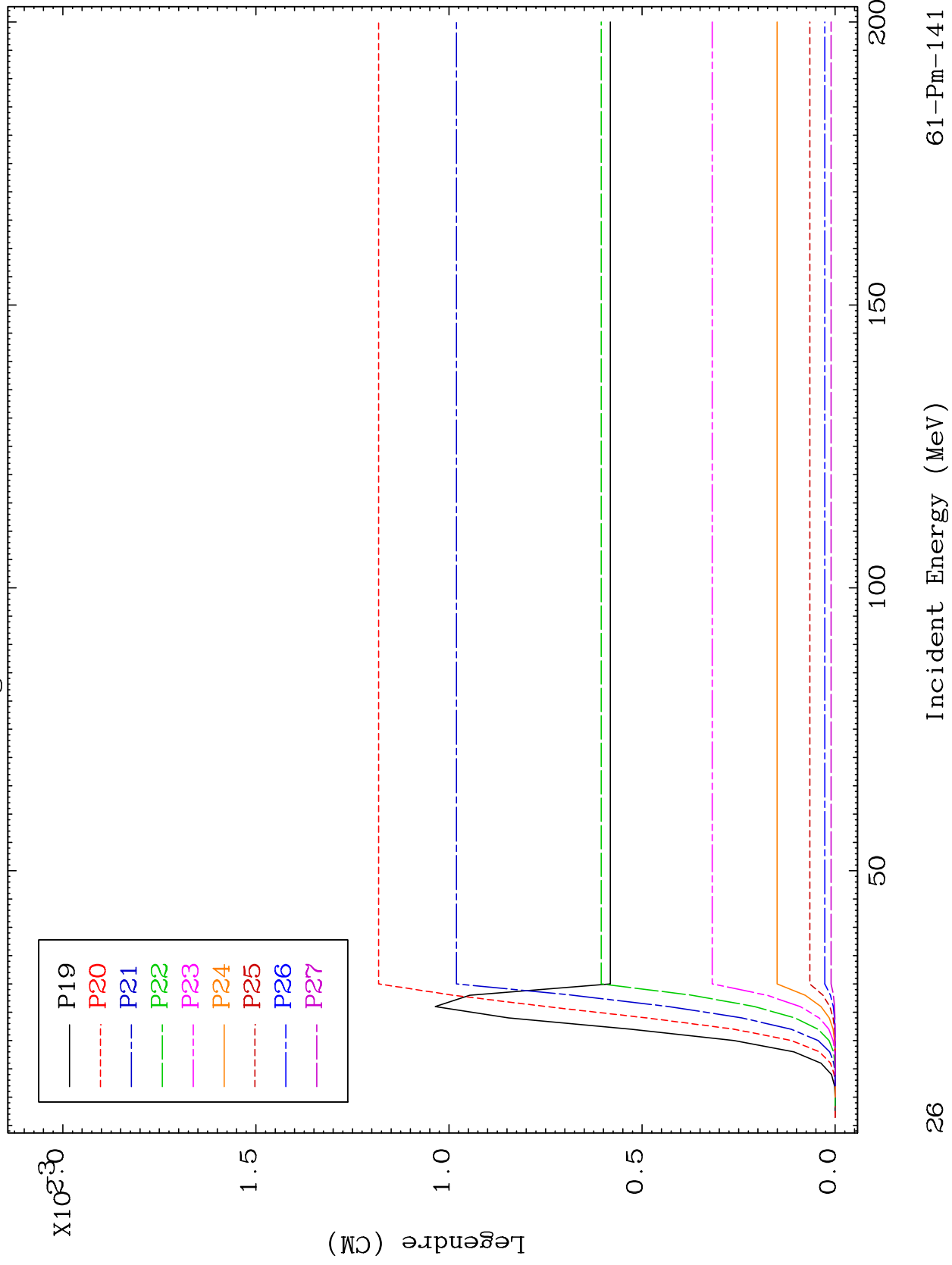
61-Pm-141



61-Pm-141

Incident Energy (MeV)

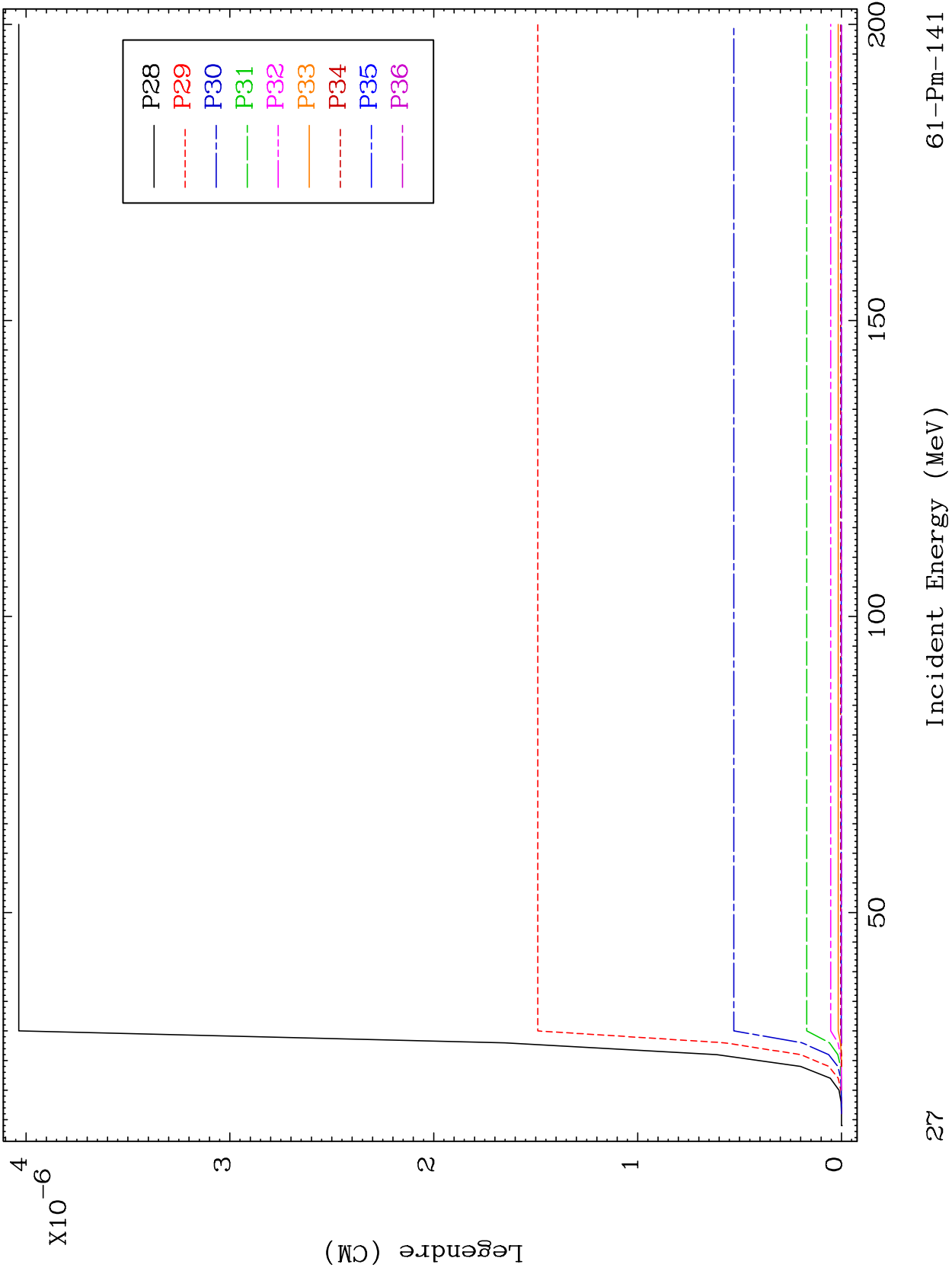
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MAT 6131

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

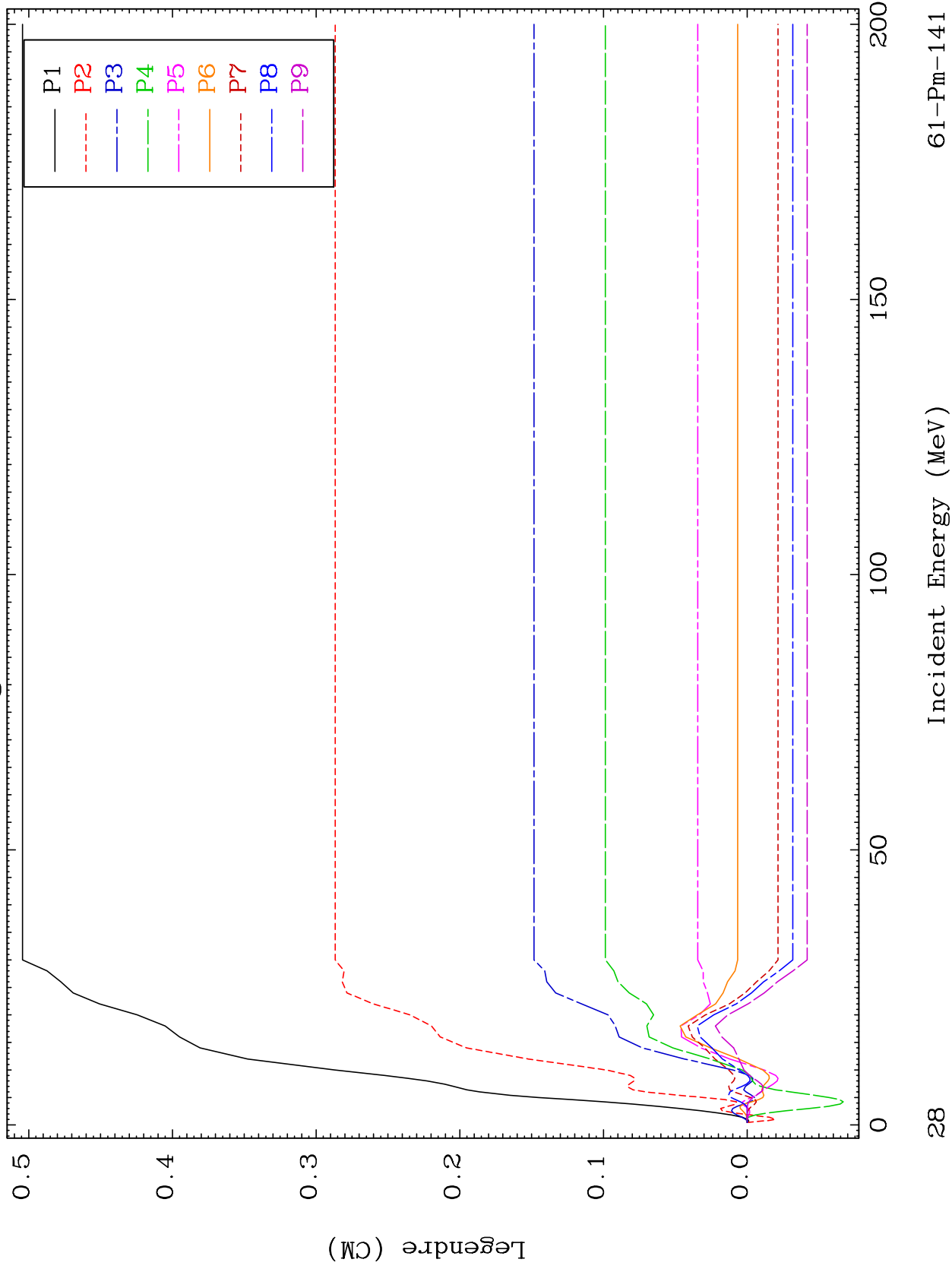
61-Pm-141



MAT 6131

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

61-Pm-141



61-Pm-141

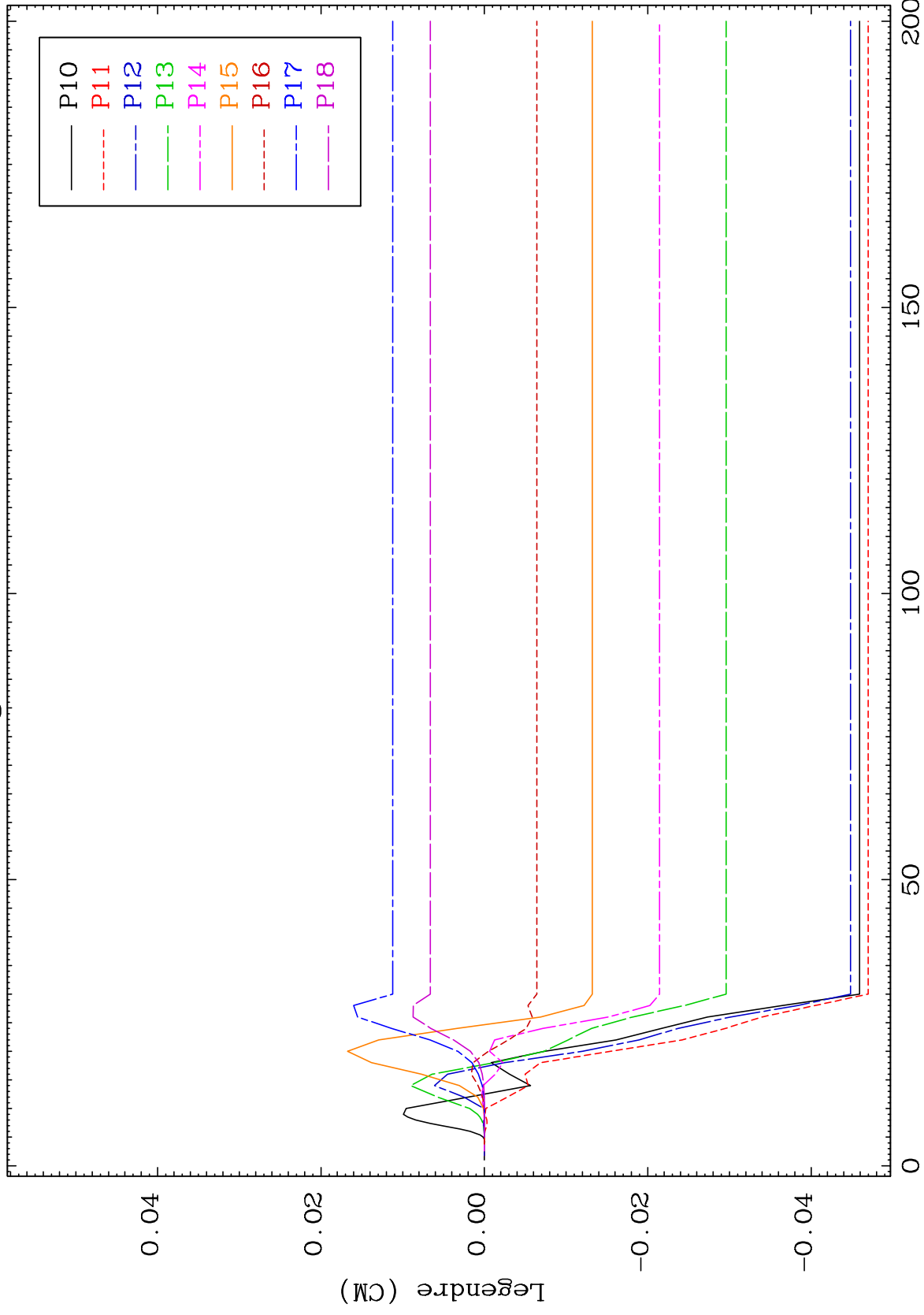
Incident Energy (MeV)

28

MAT 6131

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

61-Pm-141



29

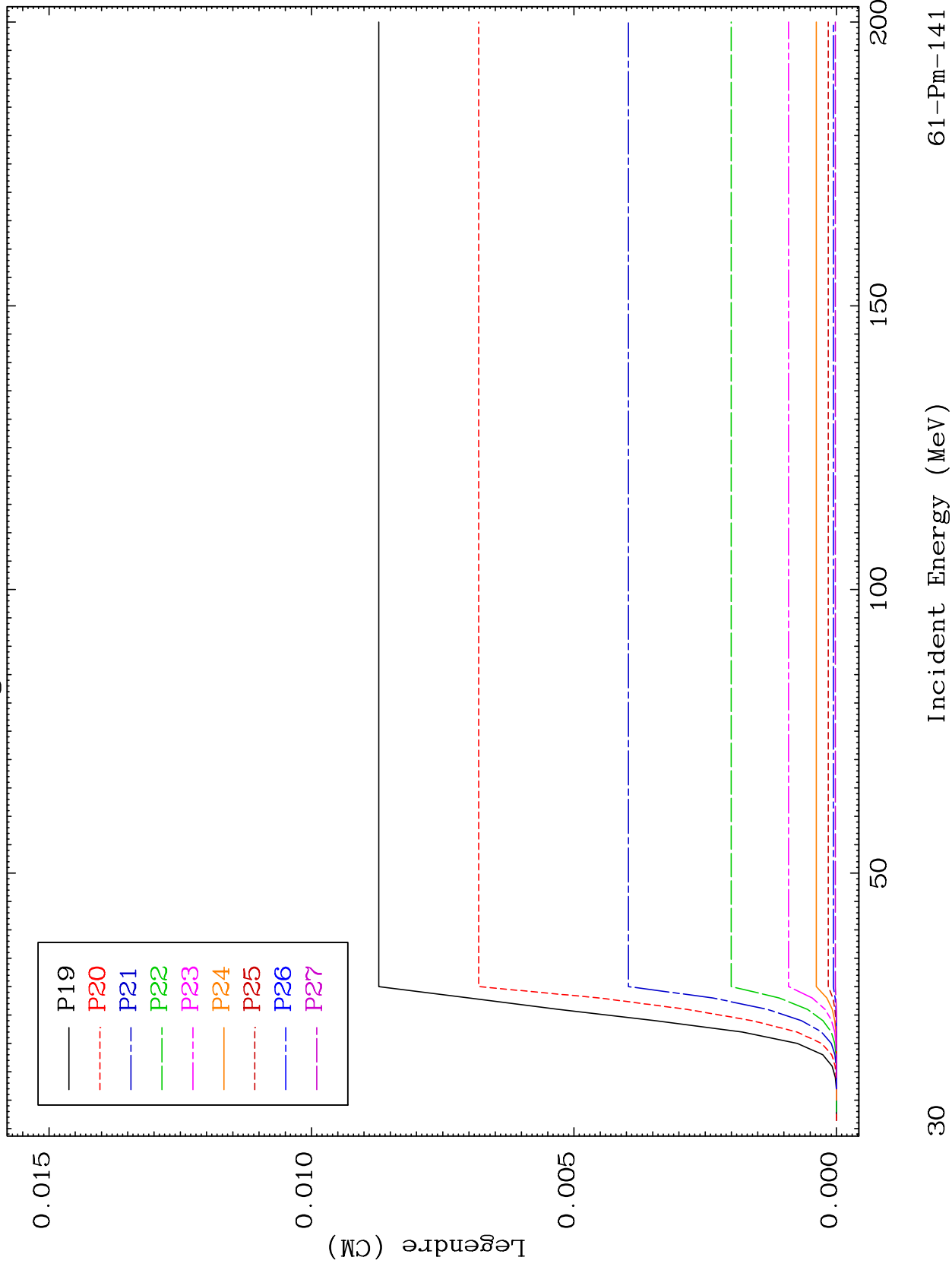
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



61-Pm-141

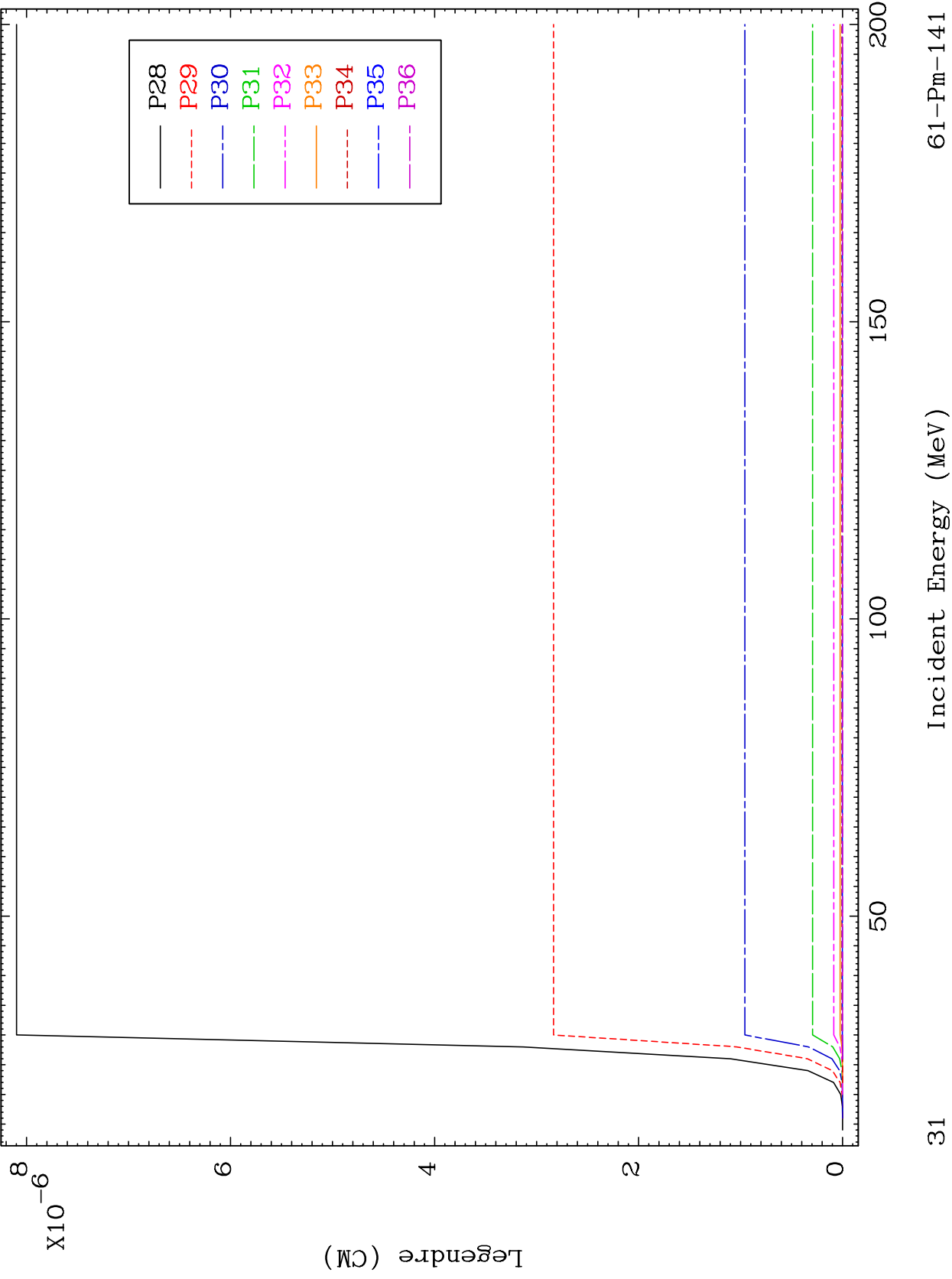
Incident Energy (MeV)

30

MAT 6131

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

61-Pm-141



31

Incident Energy (MeV)

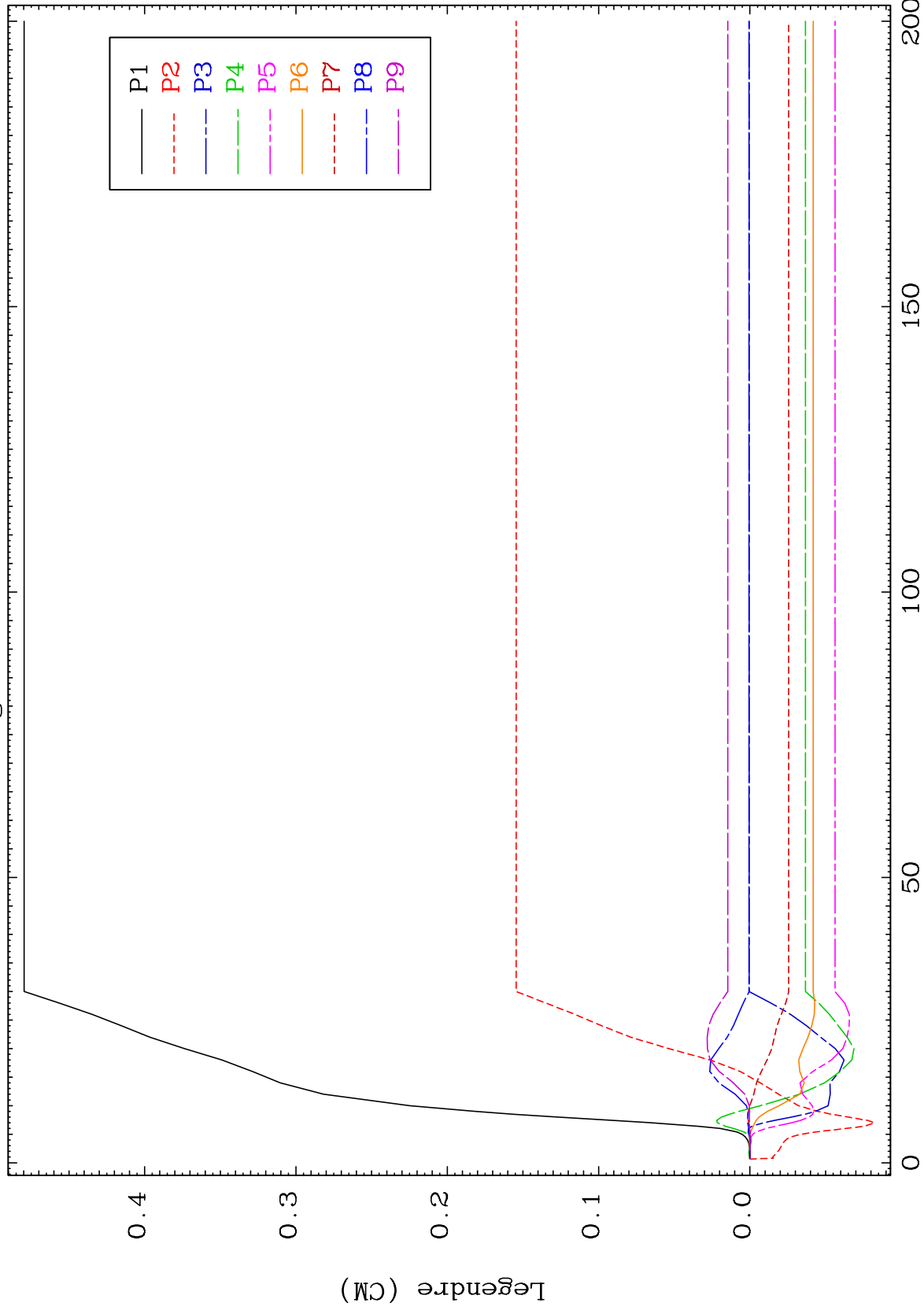
61-Pm-141

MAT 6131

MT= 54 (n,n') Level

61-Pm-141

Legendre Coefficients



61-Pm-141

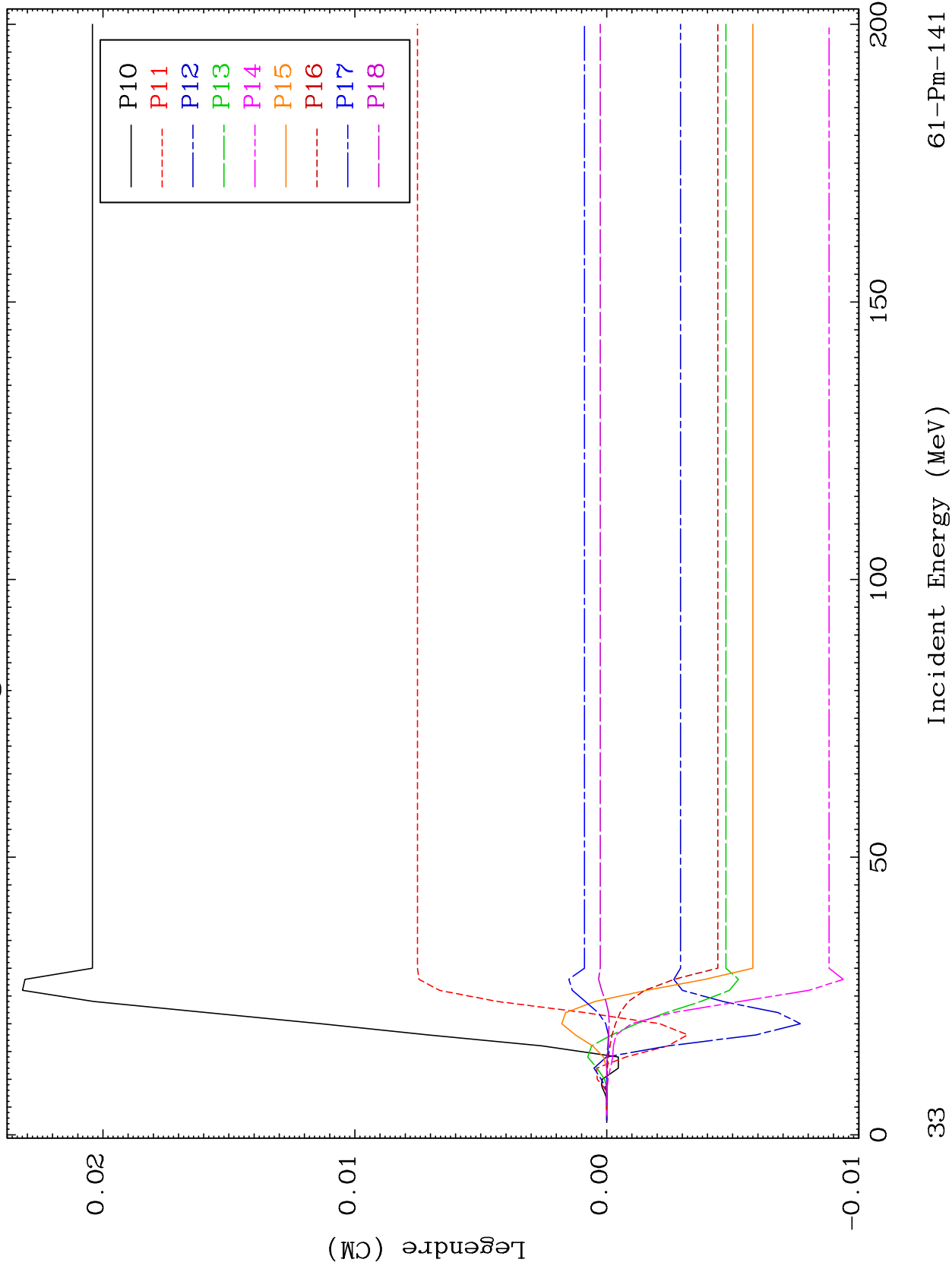
Incident Energy (MeV)

32

MAT 6131

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

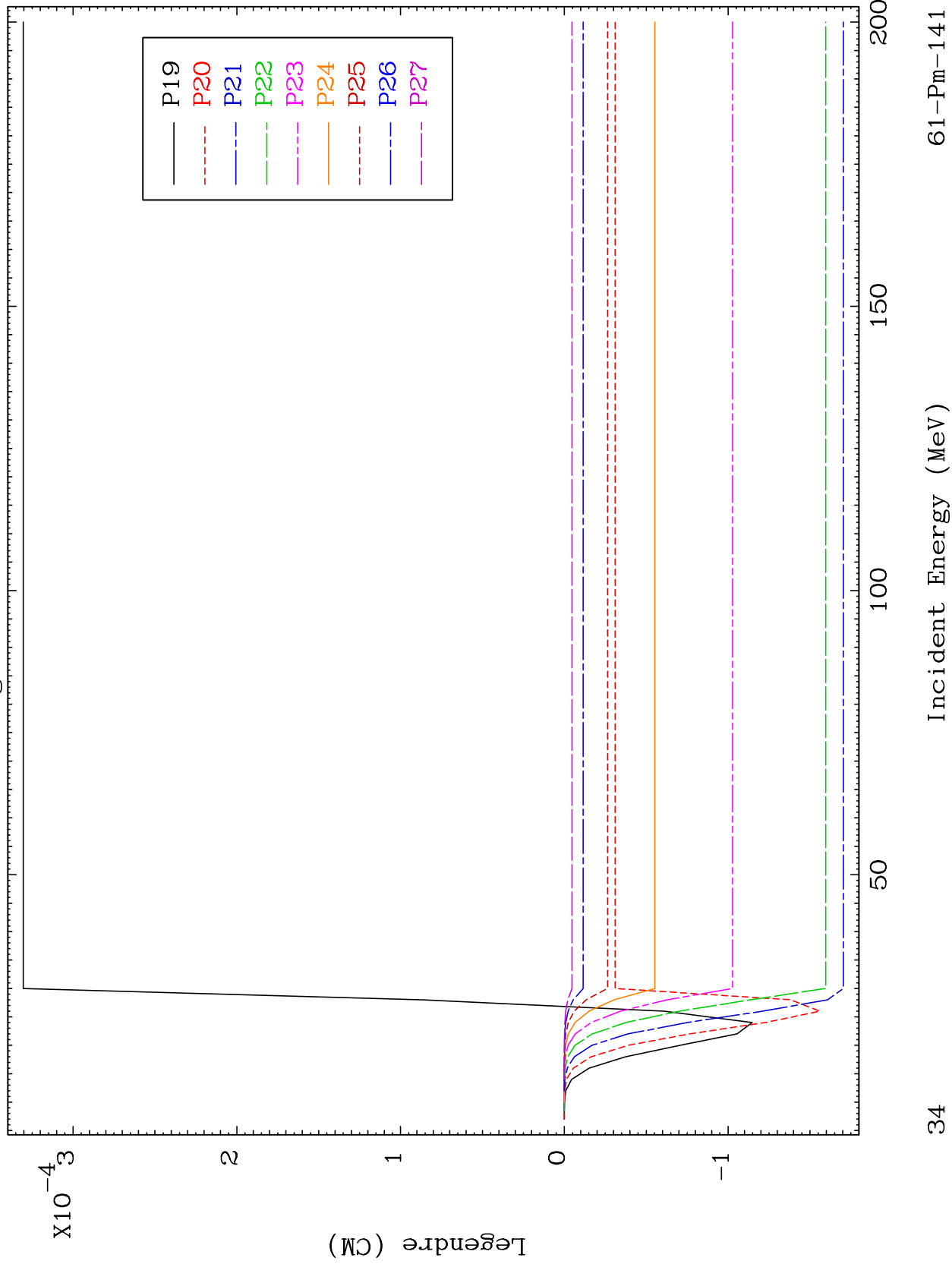
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MAT 6131

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

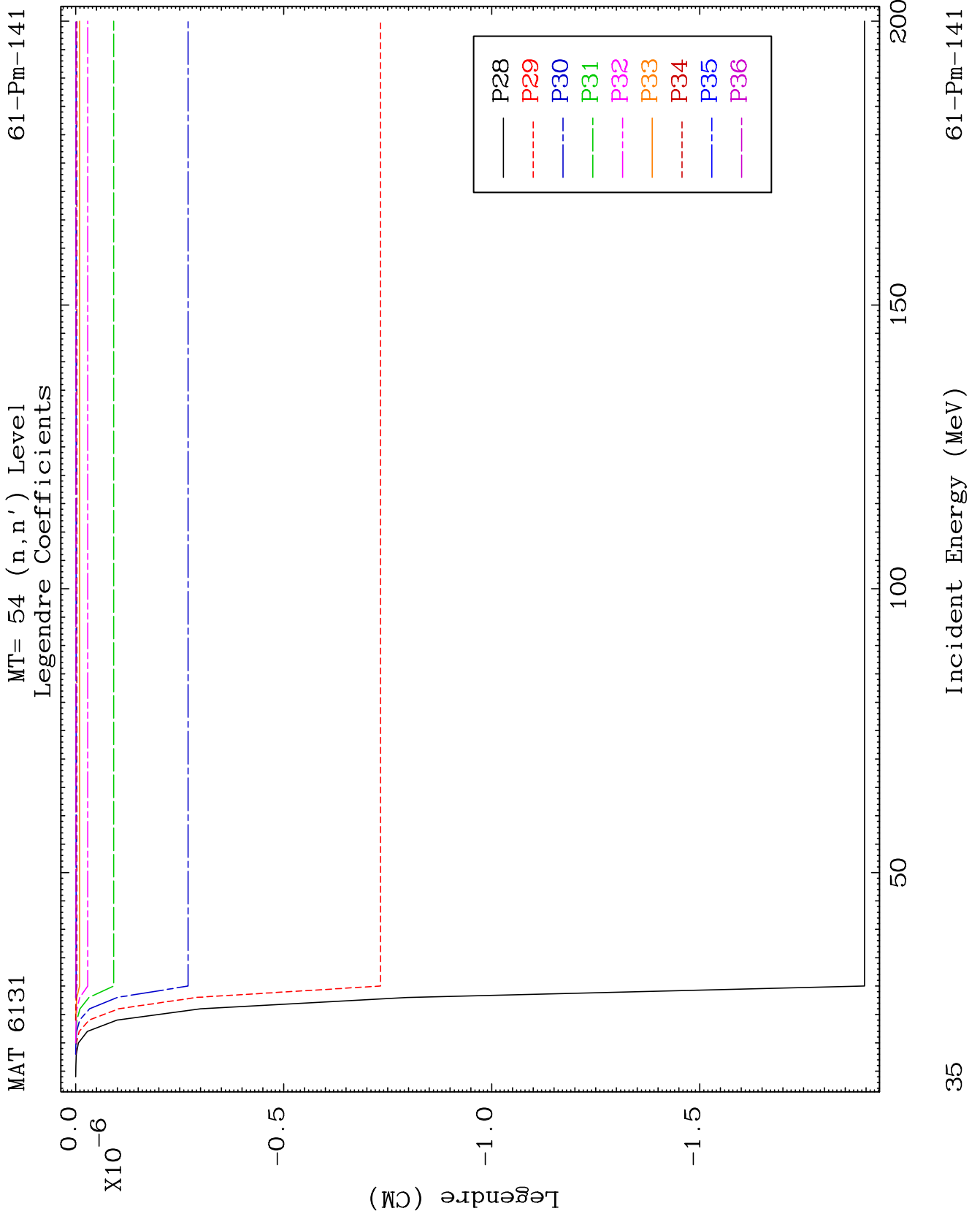
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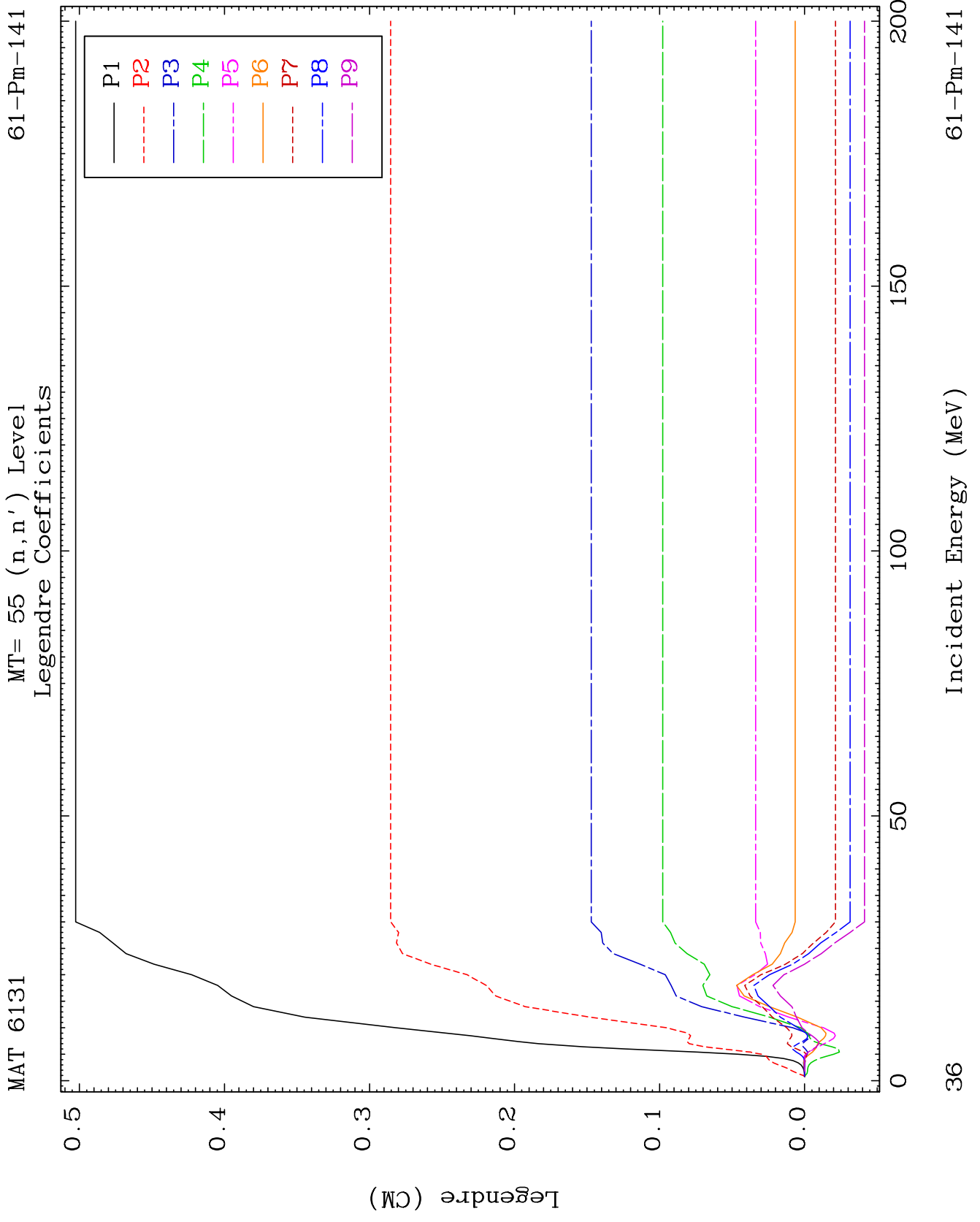


34

Incident Energy (MeV)

61-Pm-141

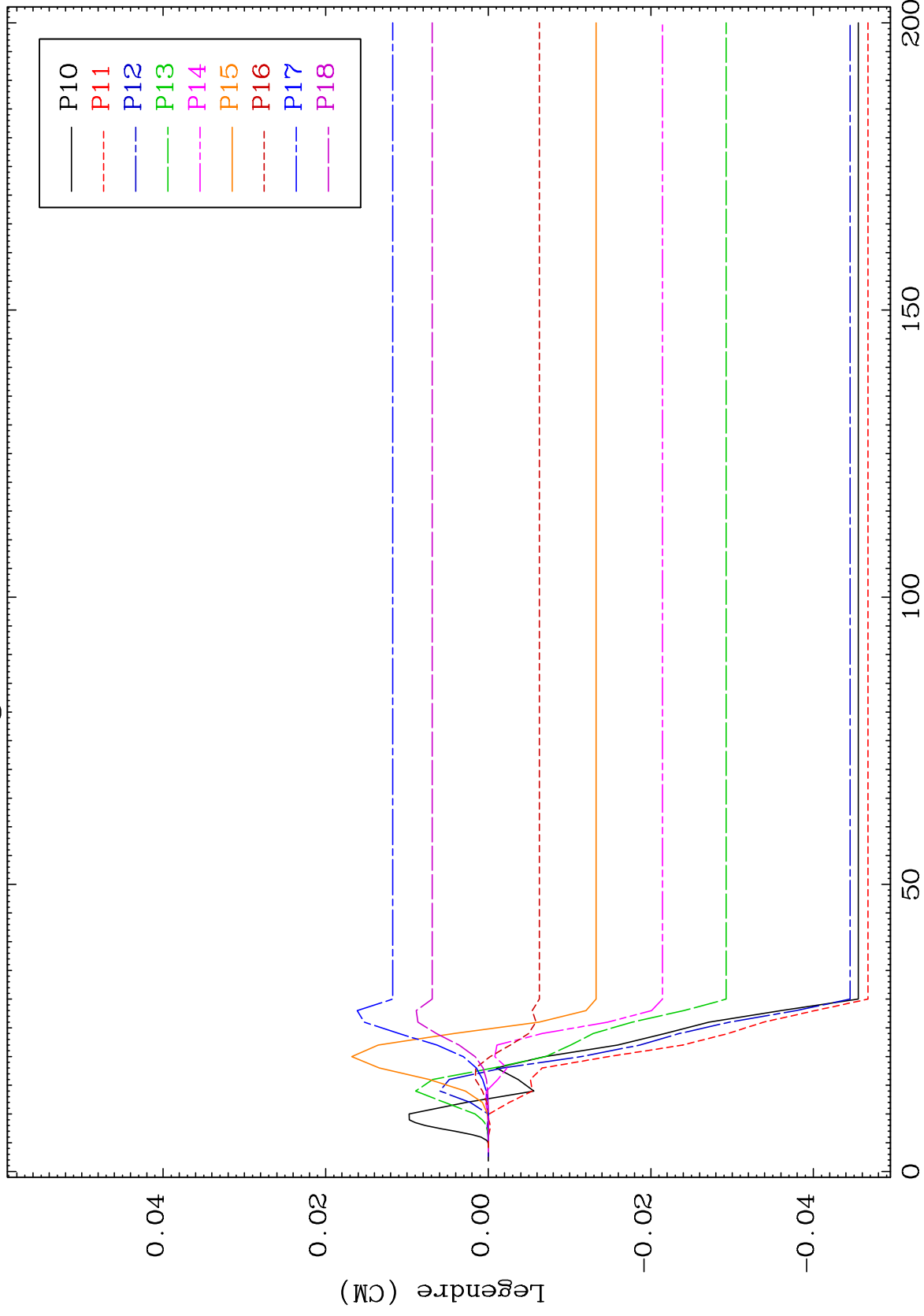




MAT 6131

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

61-Pm-141



37

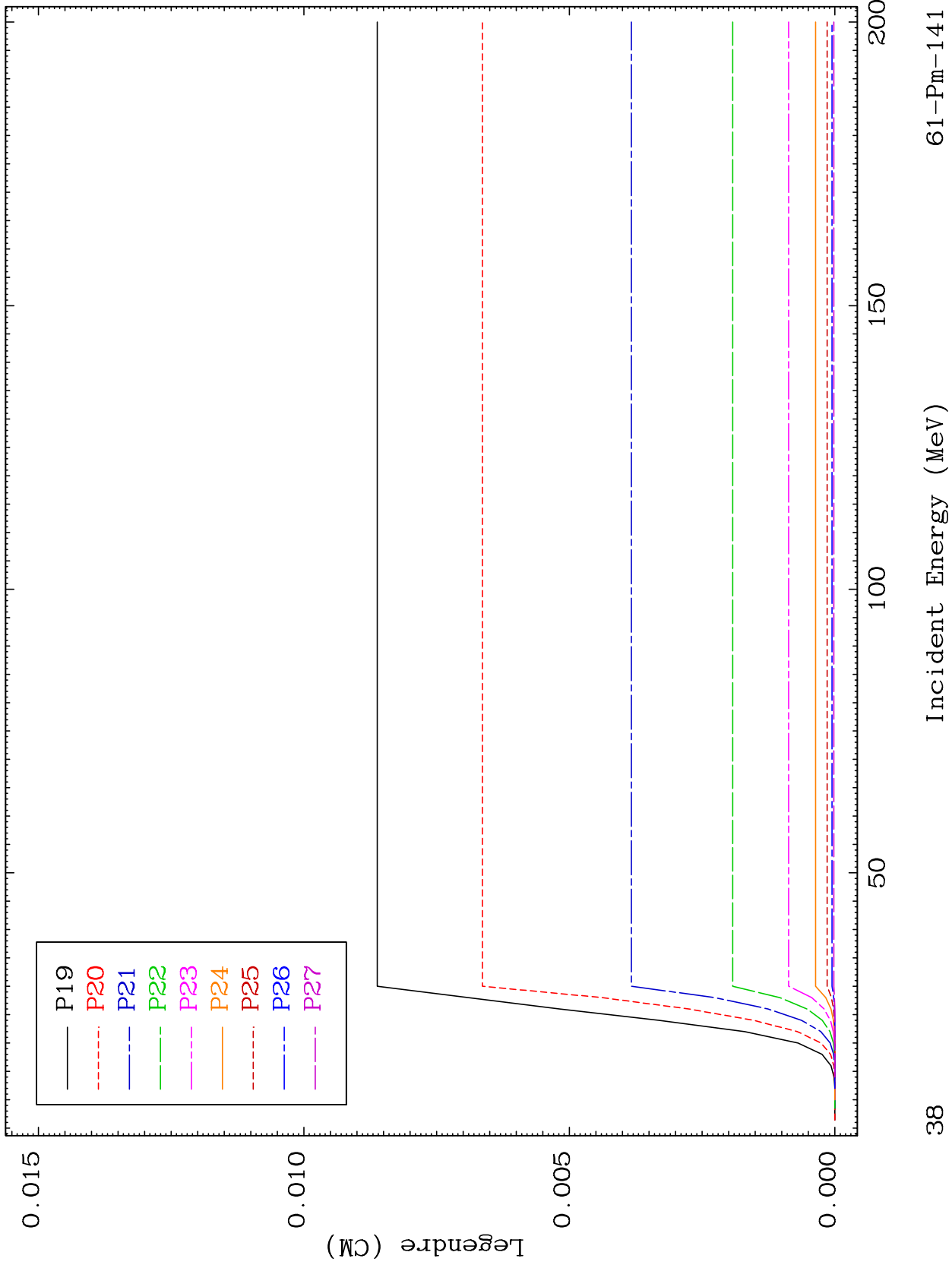
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



38

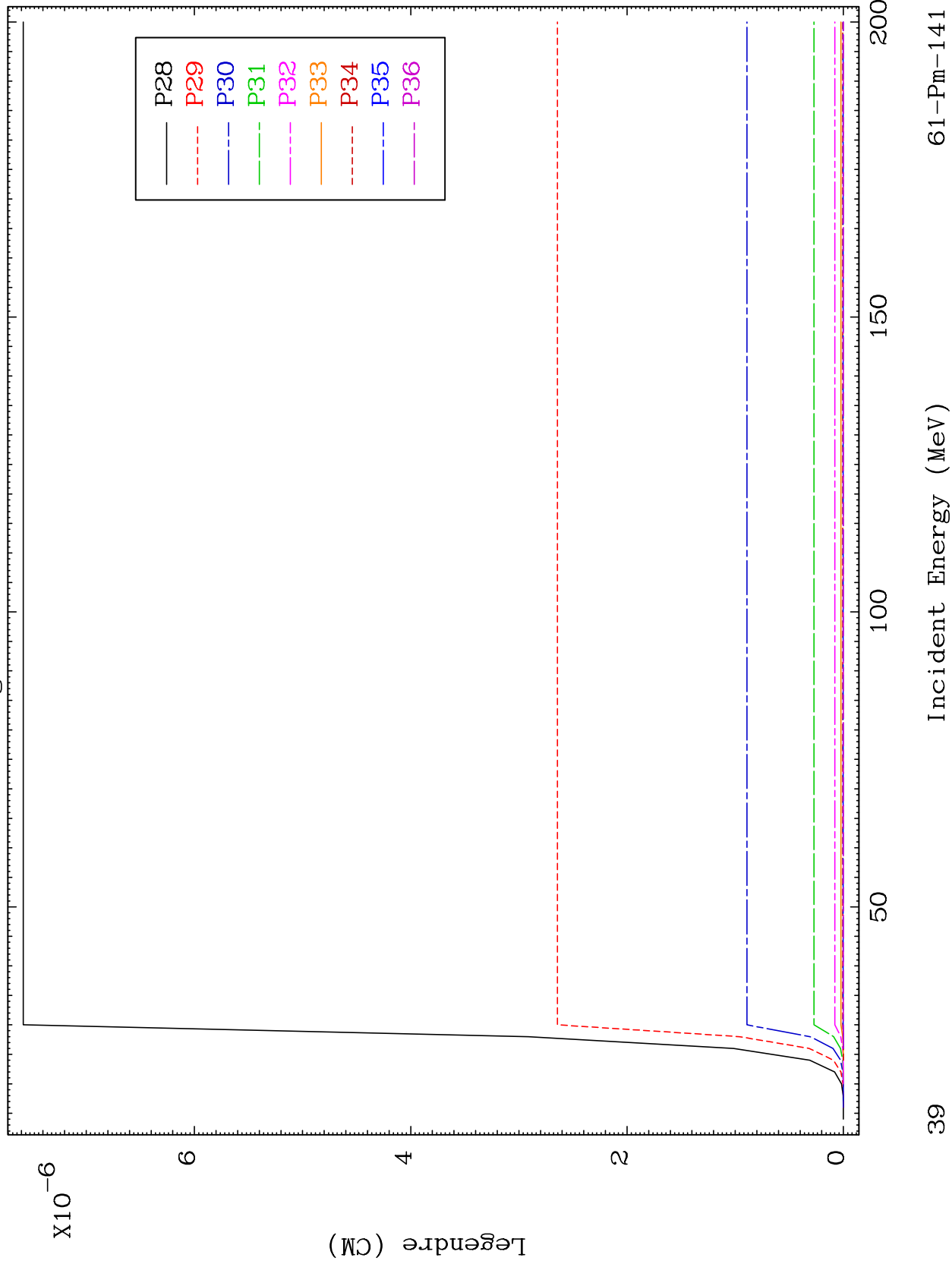
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

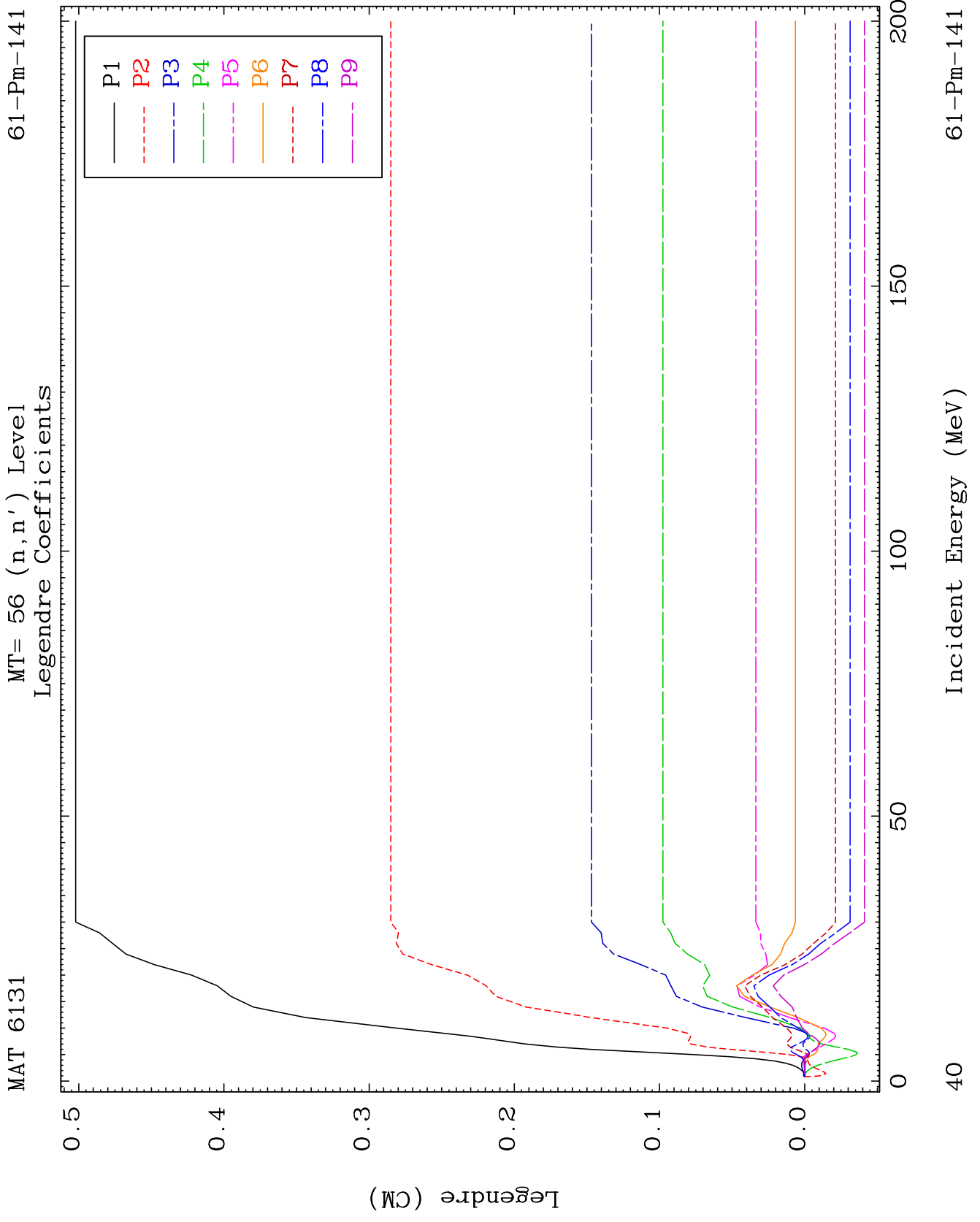
61-Pm-141



39

Incident Energy (MeV)

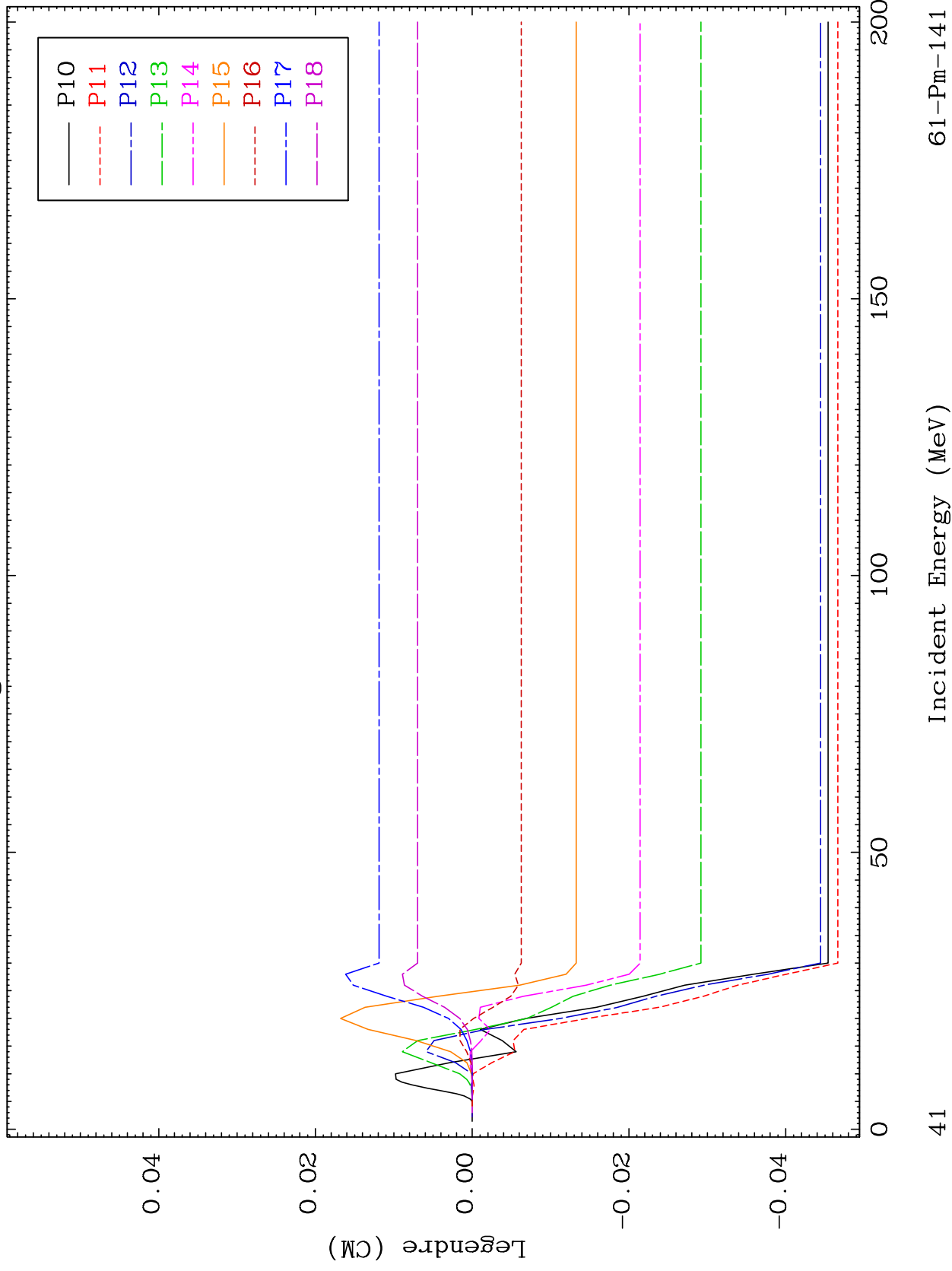
61-Pm-141



MAT 6131

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

61-Pm-141



61-Pm-141

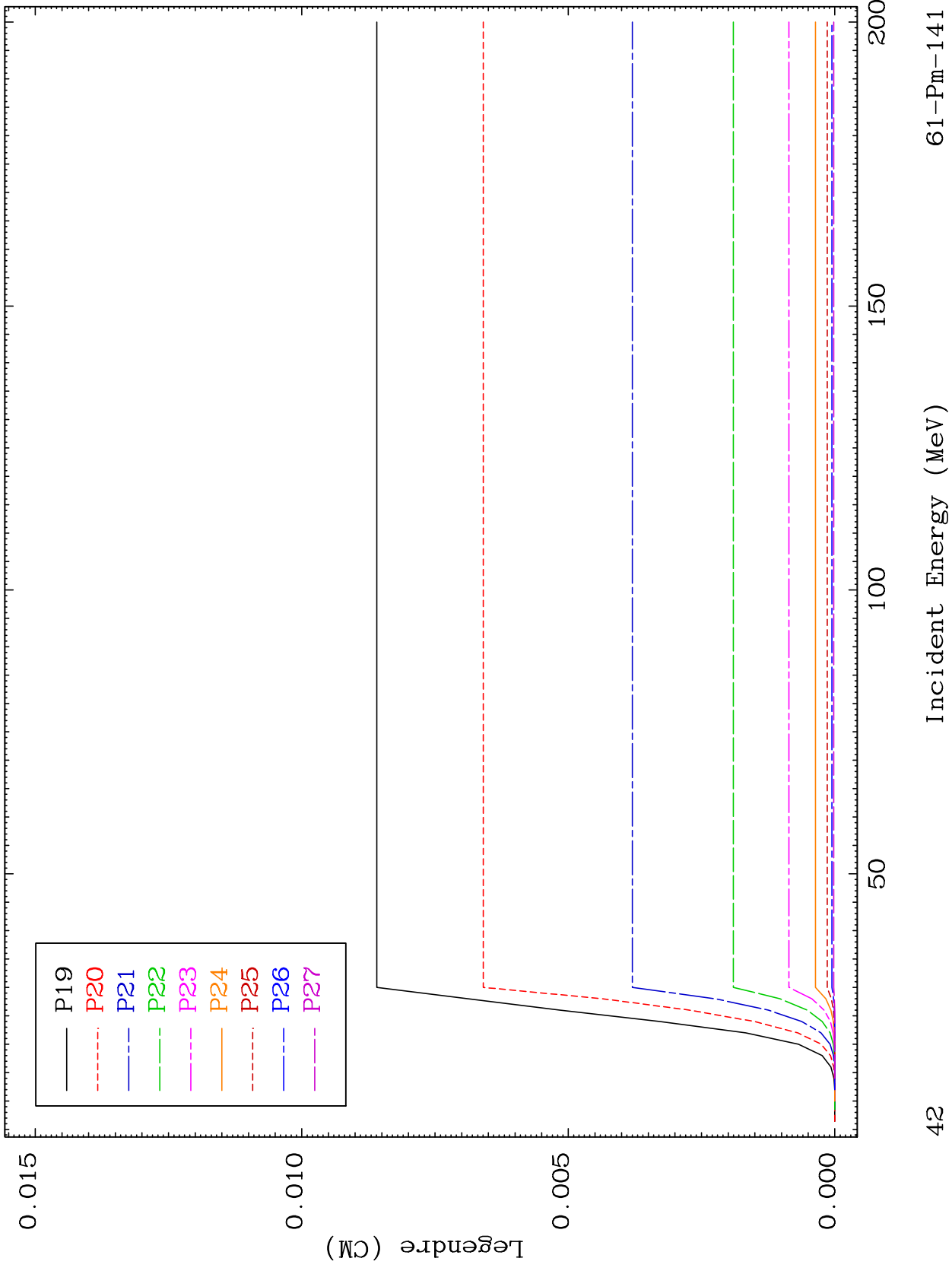
Incident Energy (MeV)

41

MAT 6131

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

61-Pm-141



42

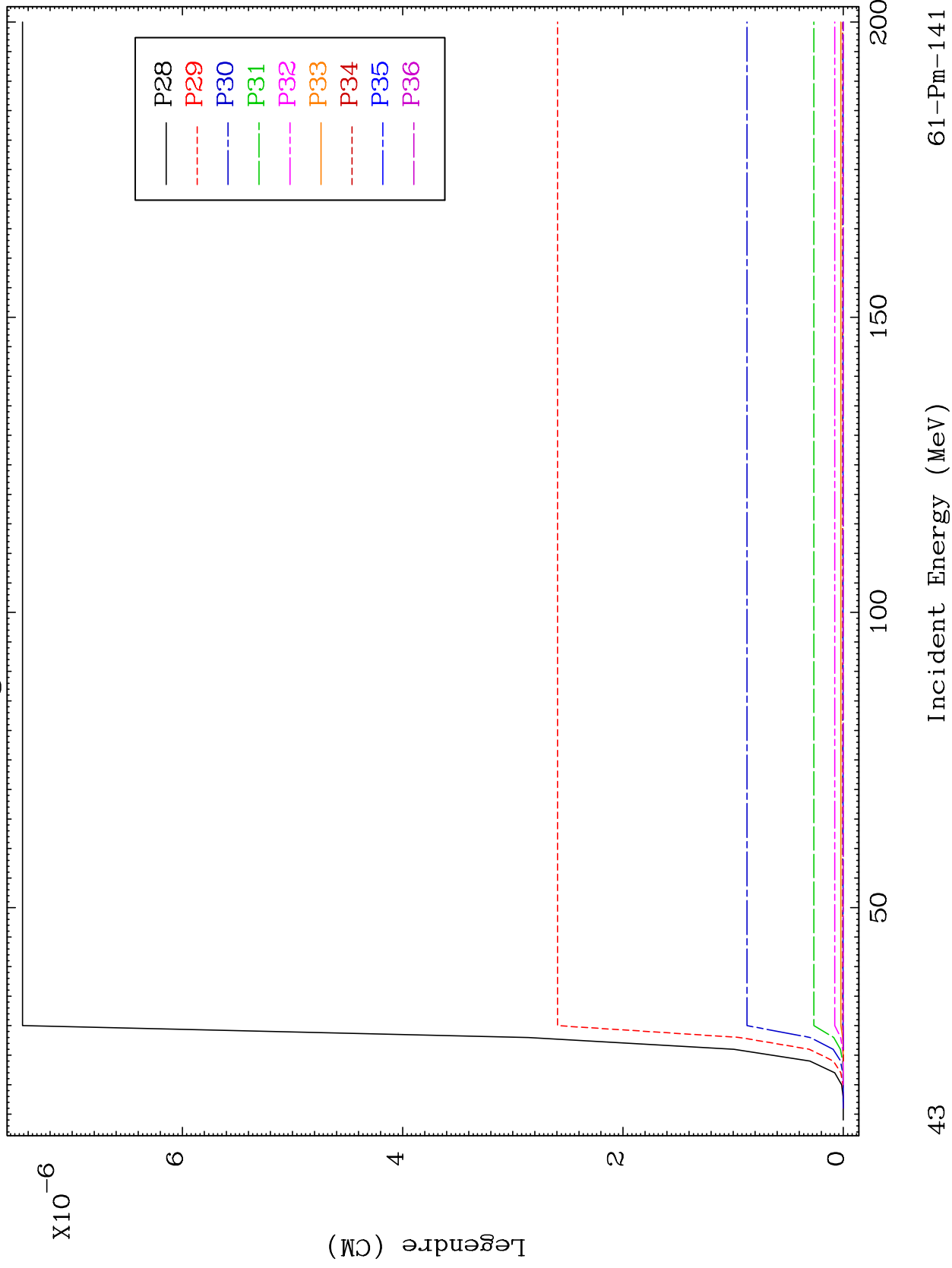
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



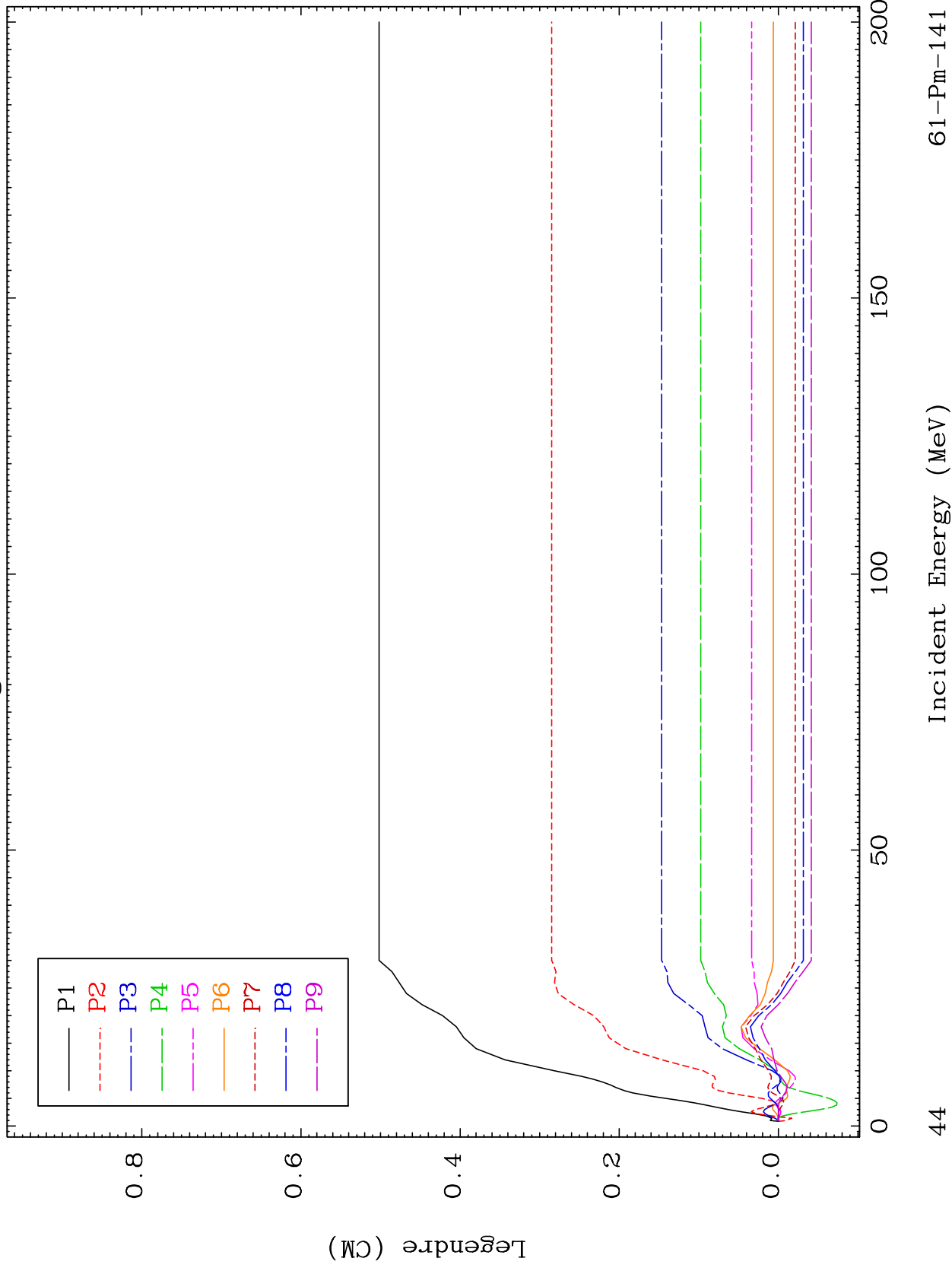
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61-Pm-141

MAT 6131

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

61-Pm-141



61-Pm-141

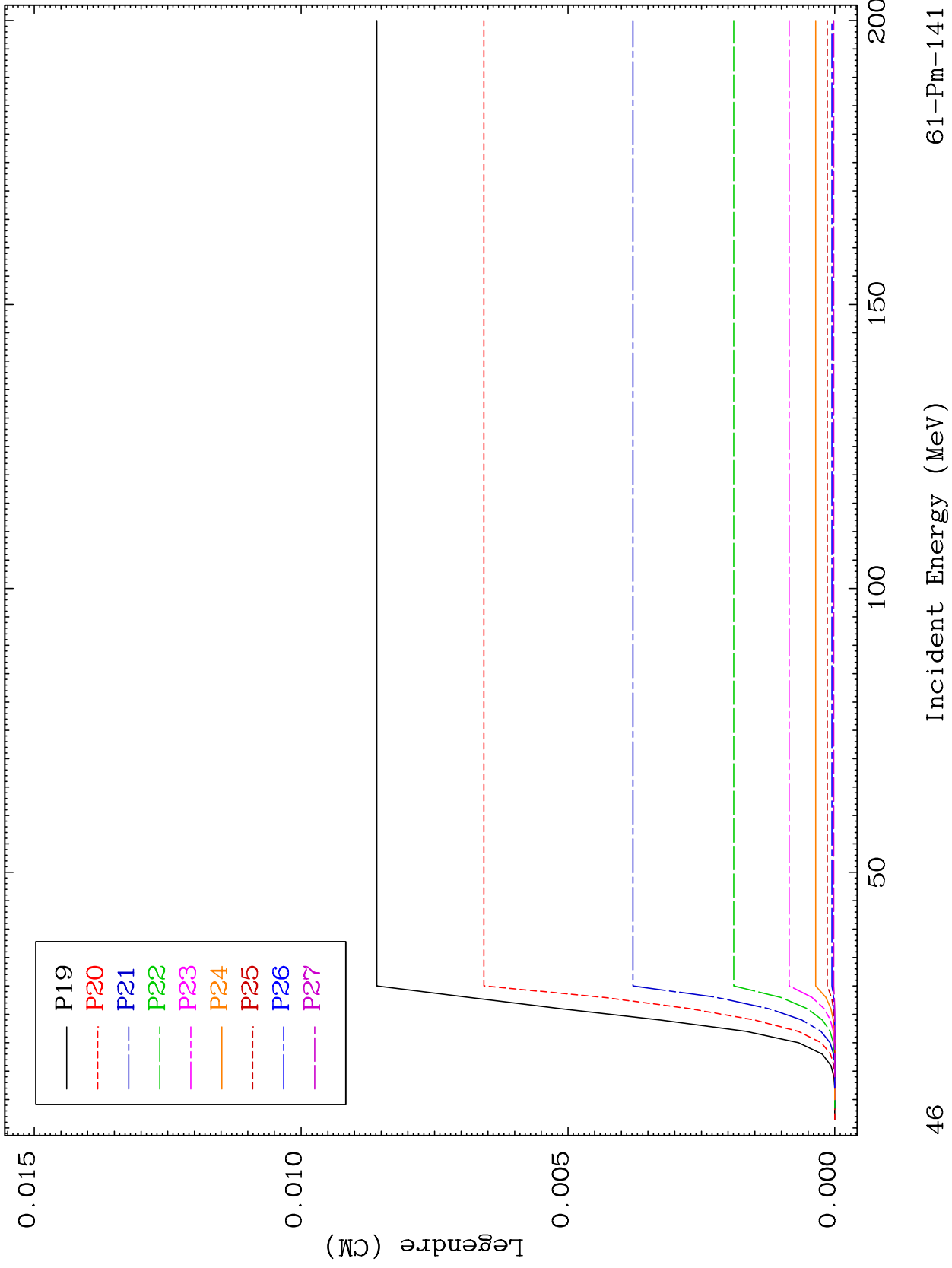
Incident Energy (MeV)

44

MAT 6131

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

61-Pm-141



46

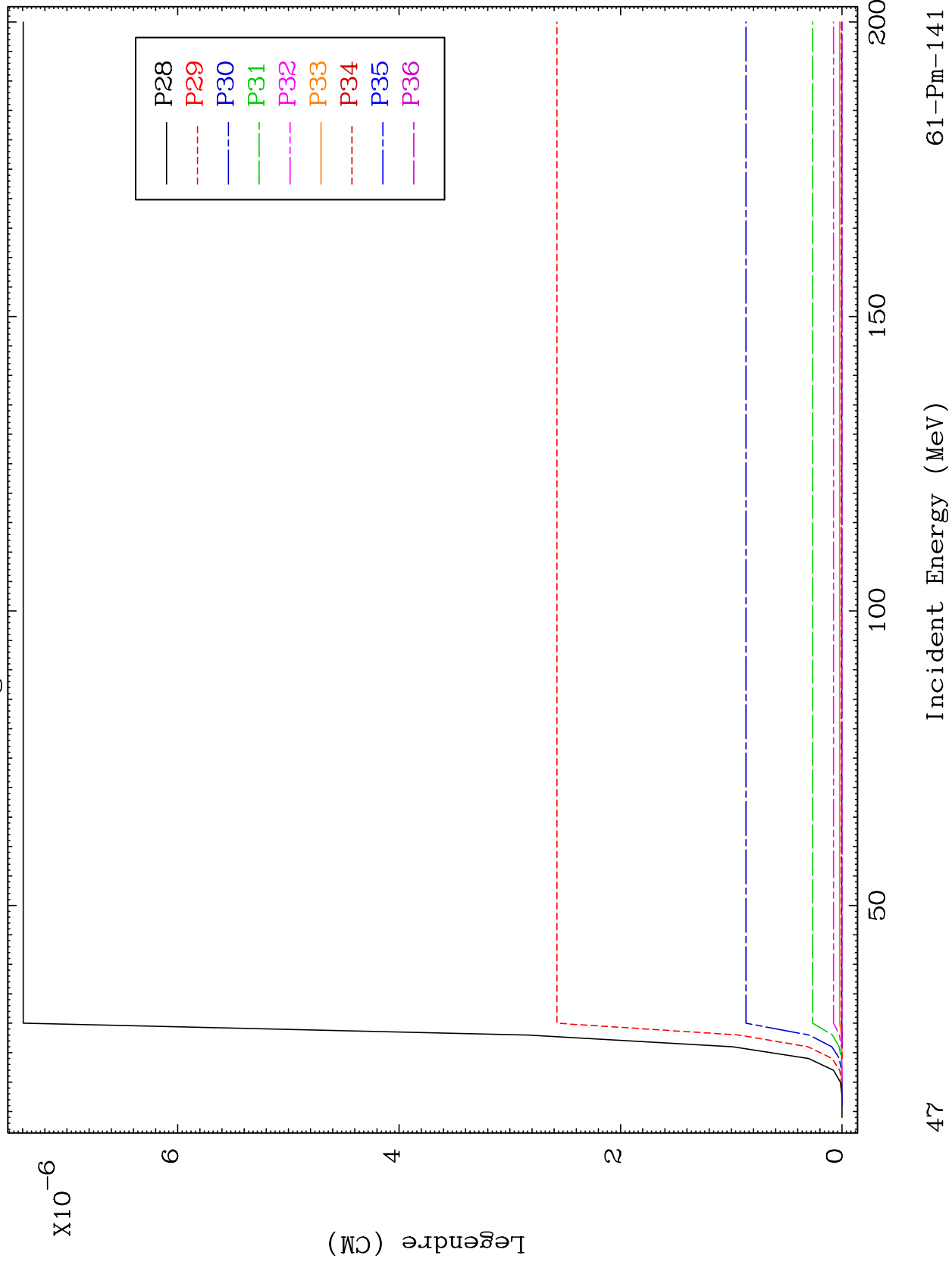
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



47

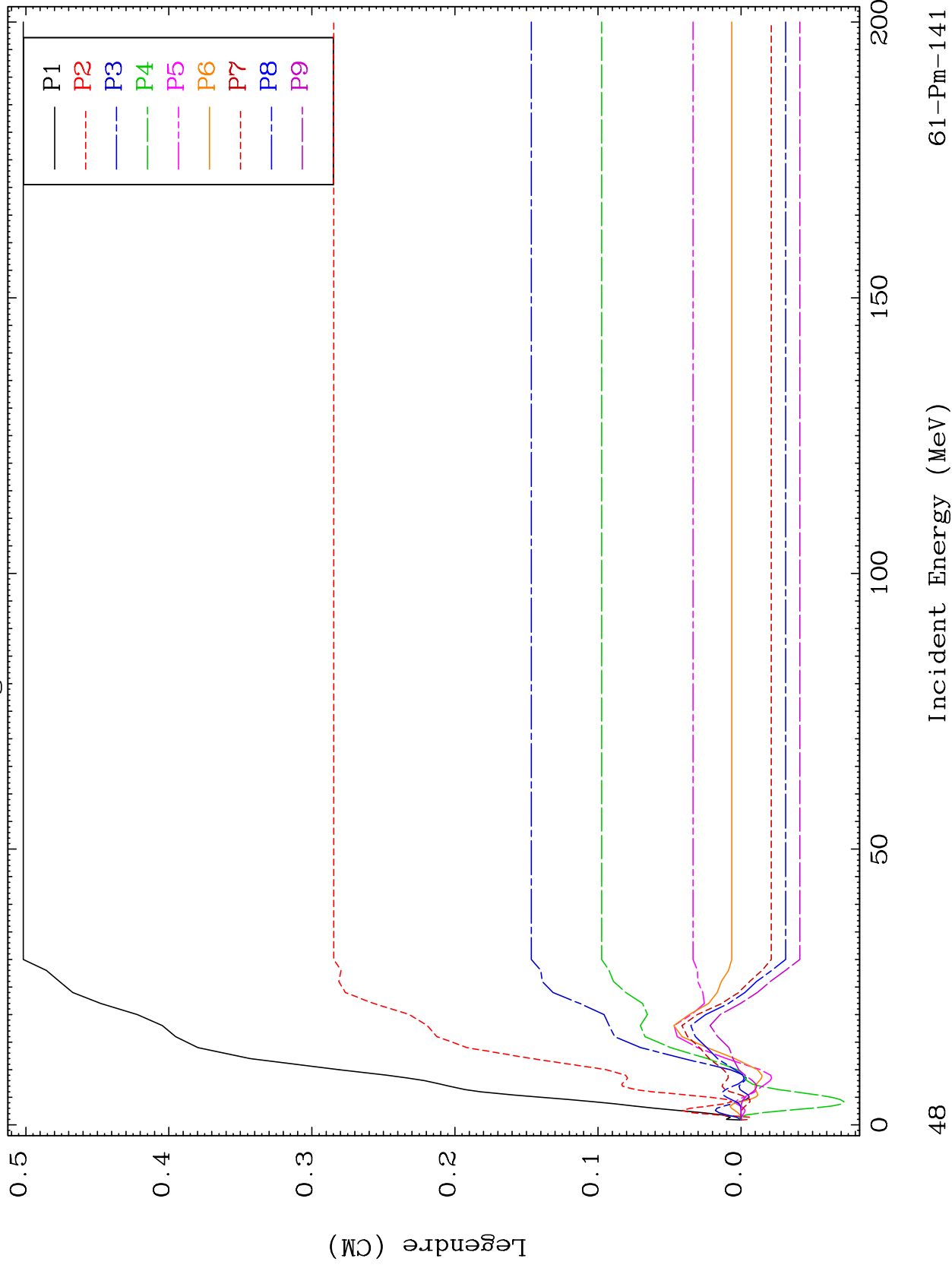
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



61-Pm-141

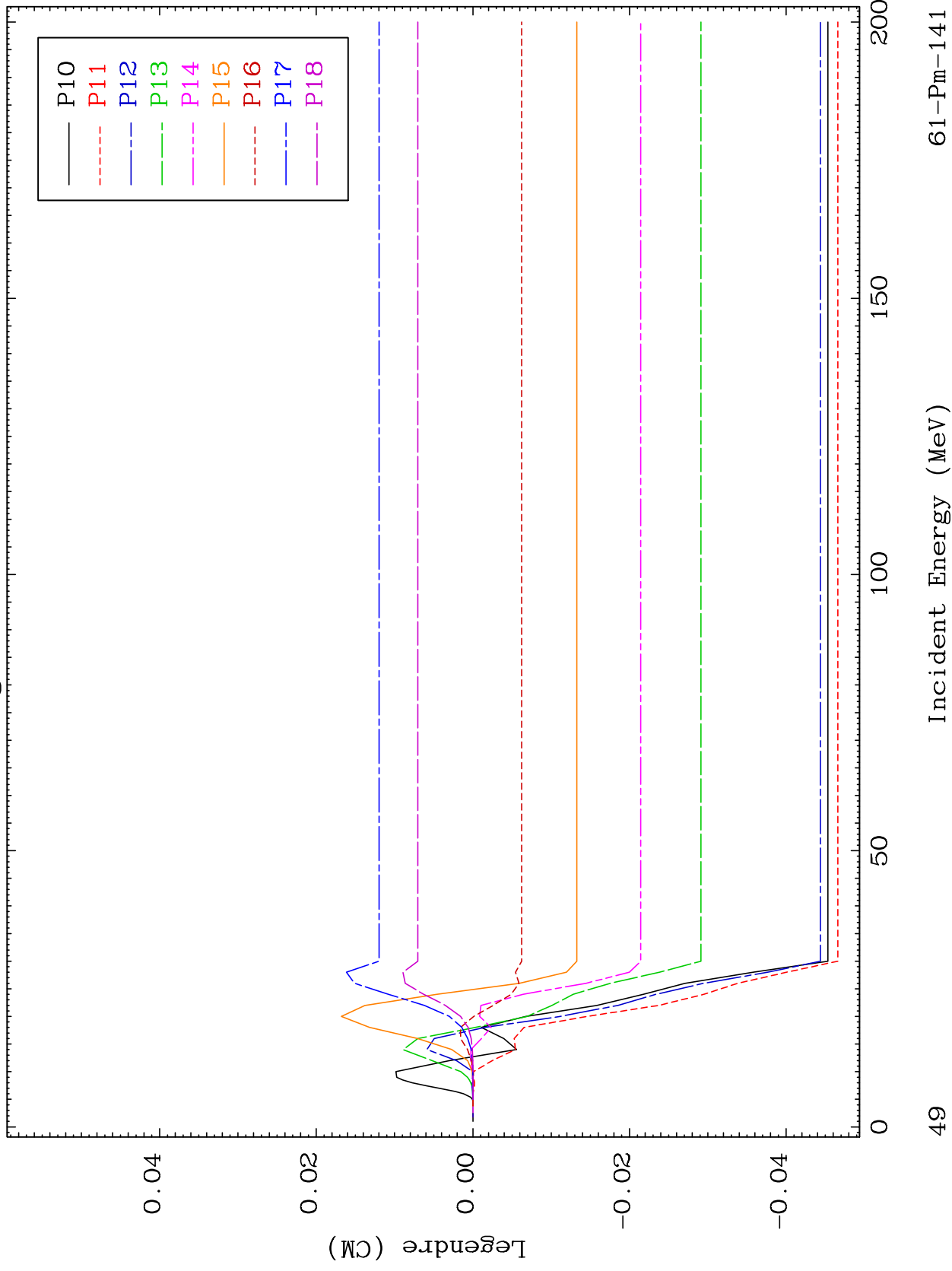
Incident Energy (MeV)

48

MAT 6131

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

61-Pm-141



61-Pm-141

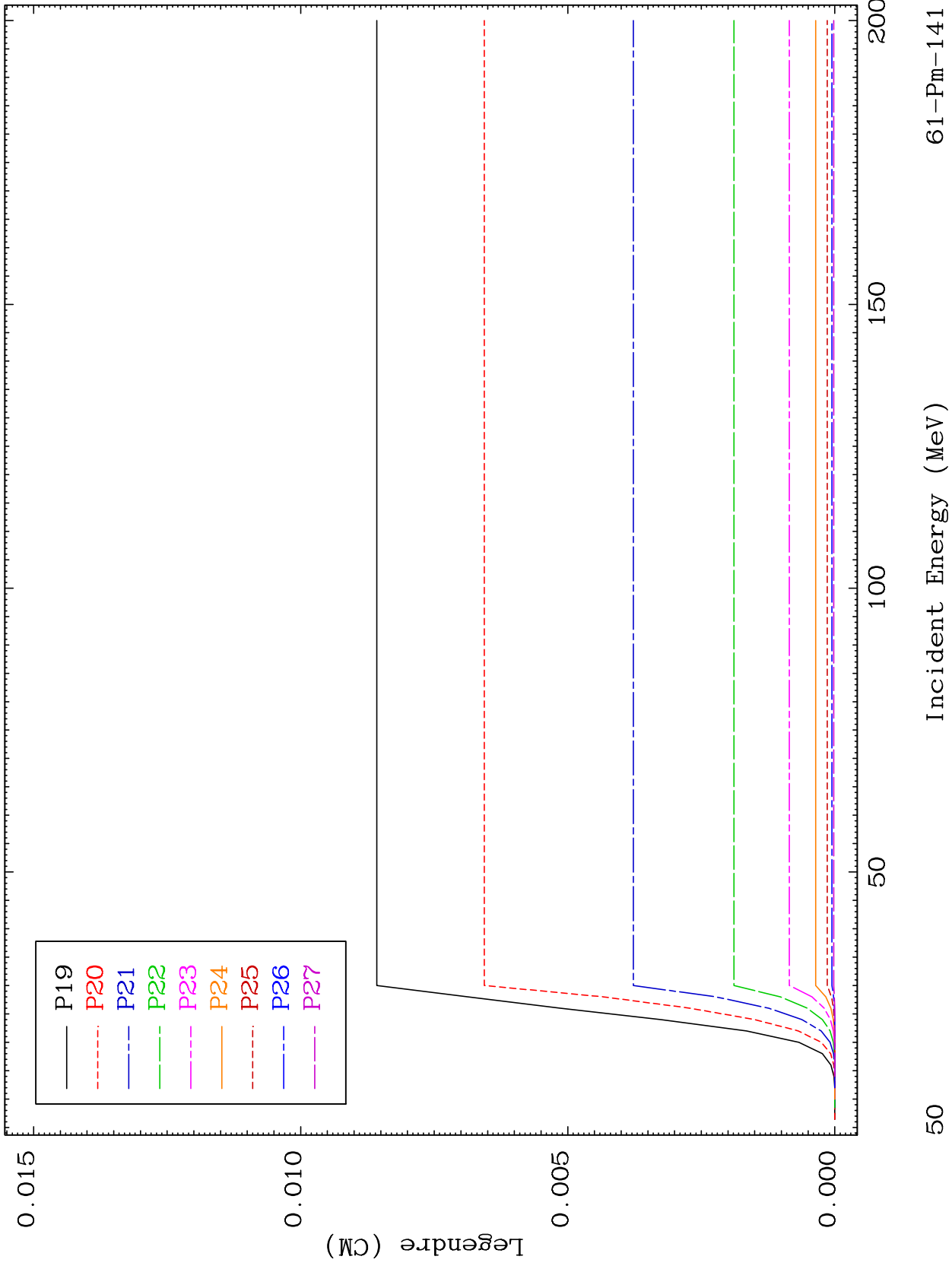
Incident Energy (MeV)

49

MAT 6131

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

61-Pm-141



61-Pm-141

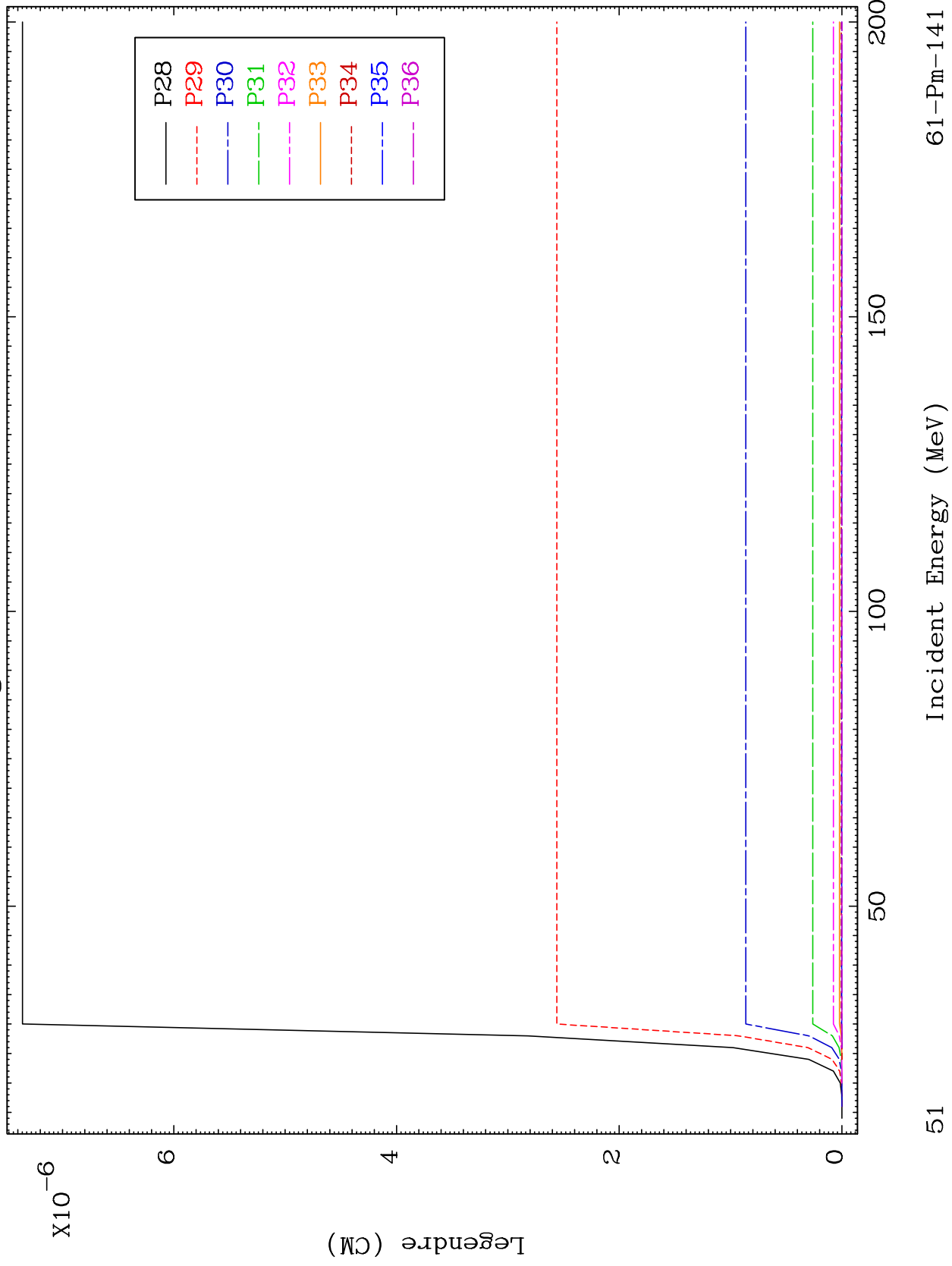
Incident Energy (MeV)

50

MAT 6131

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

61-Pm-141



51

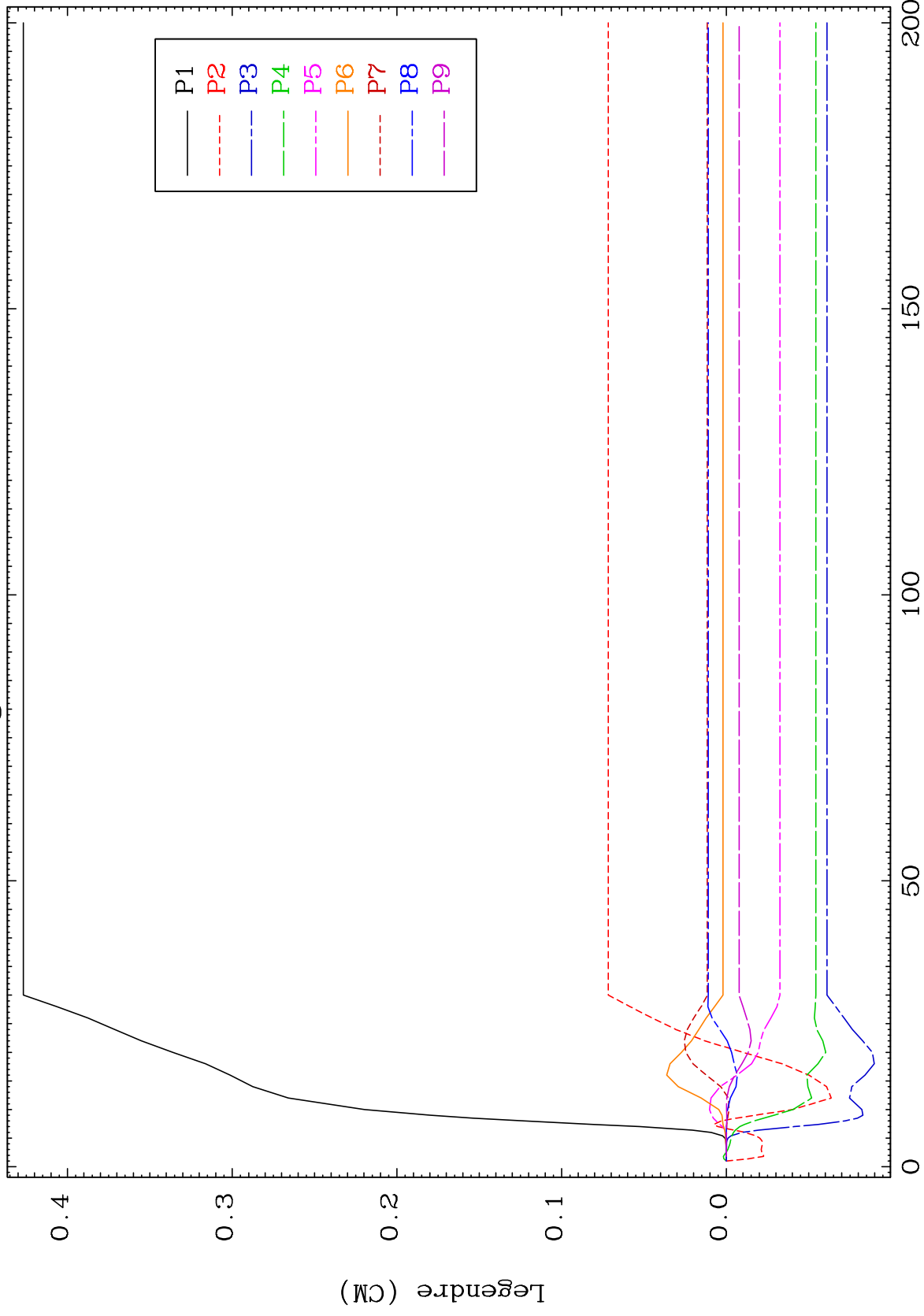
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



52

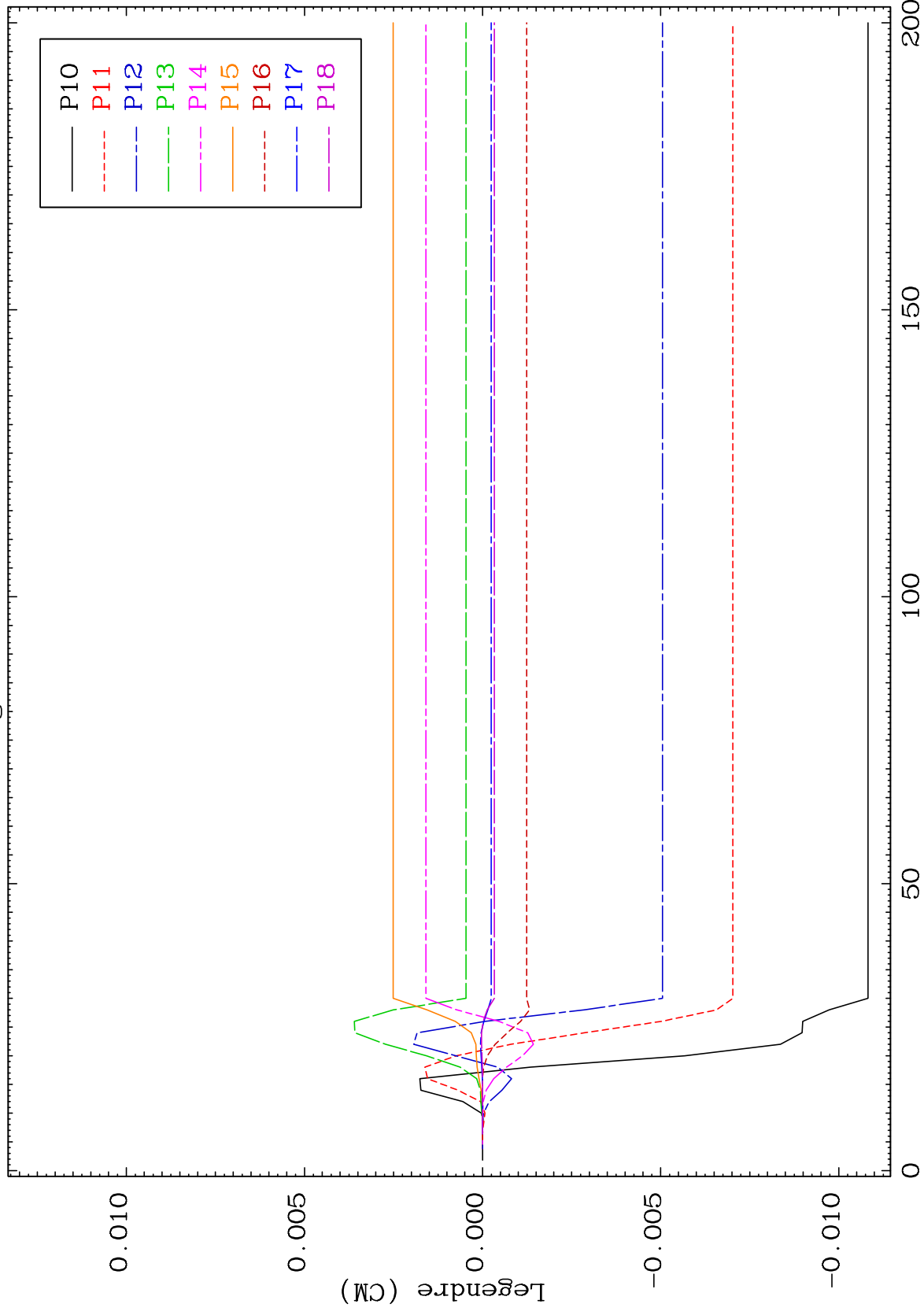
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



53

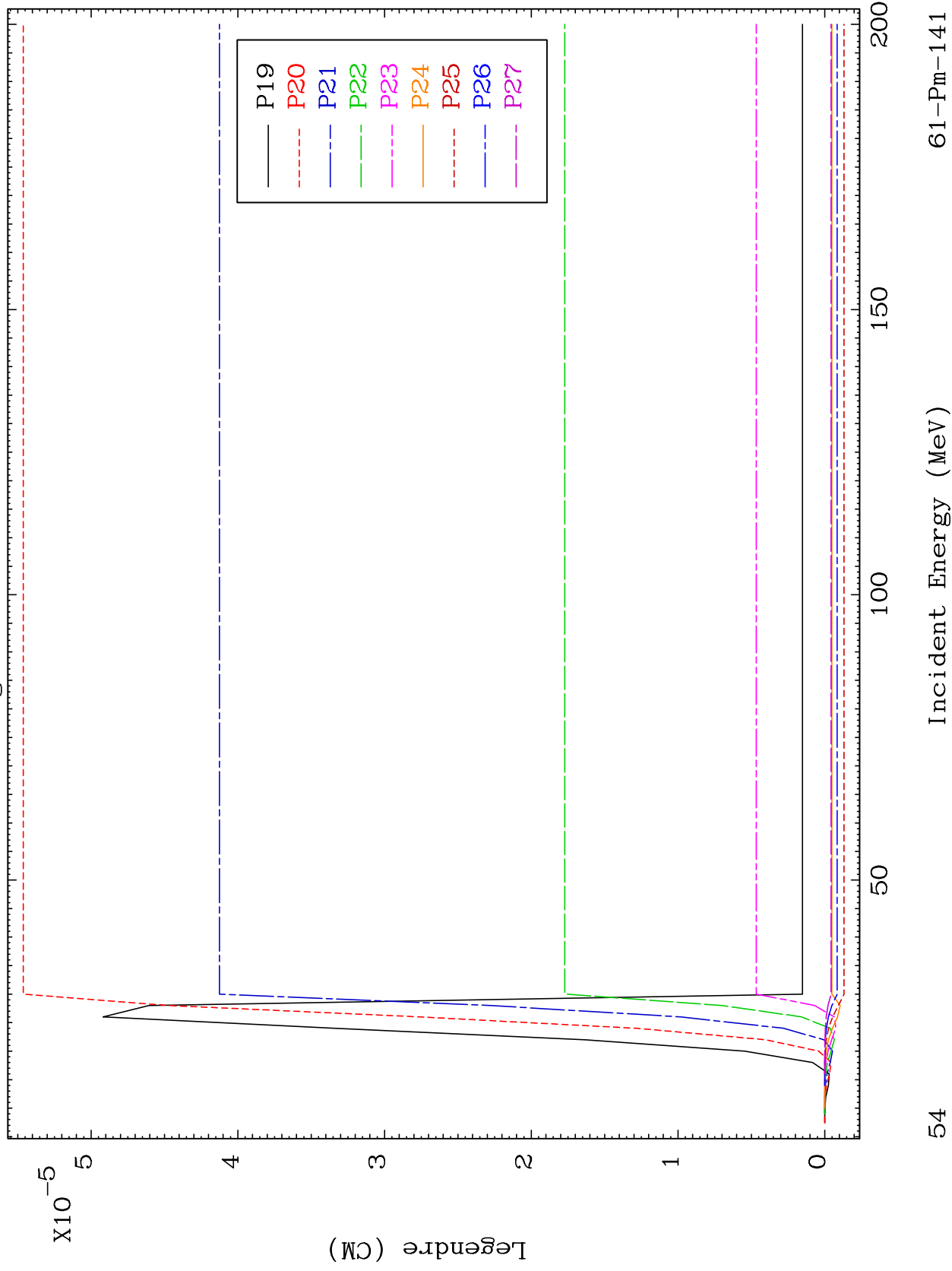
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

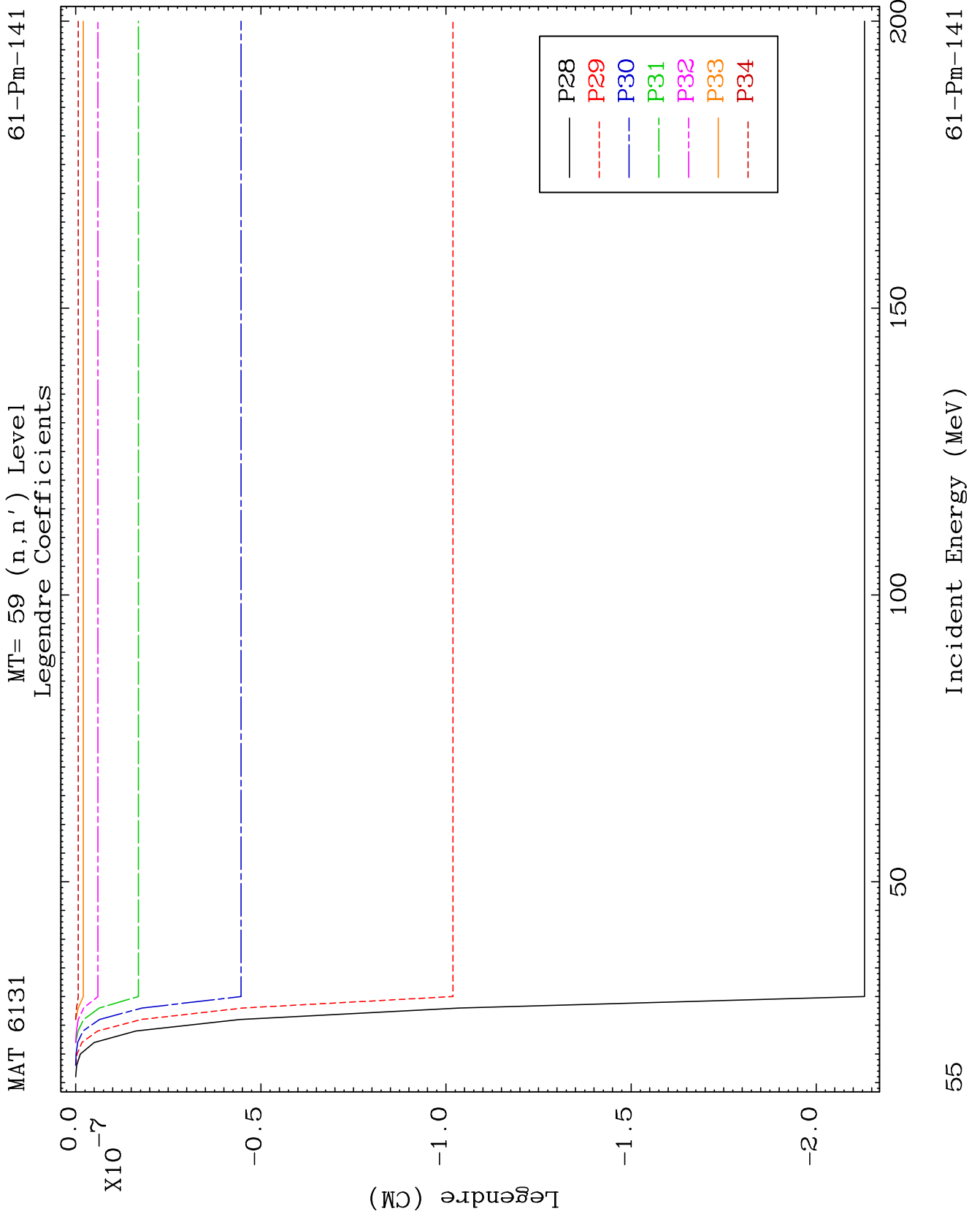
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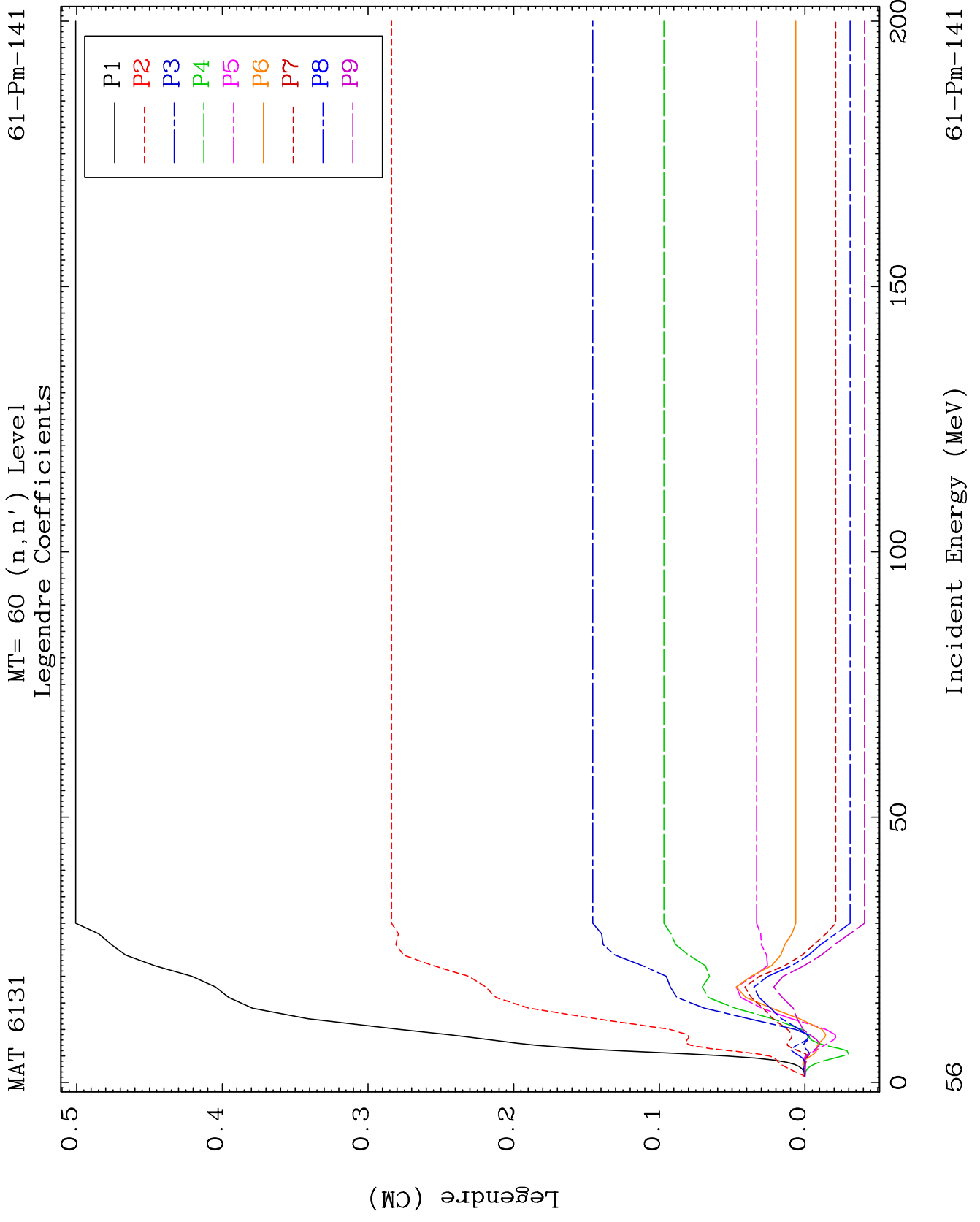


54

Incident Energy (MeV)

61-Pm-141

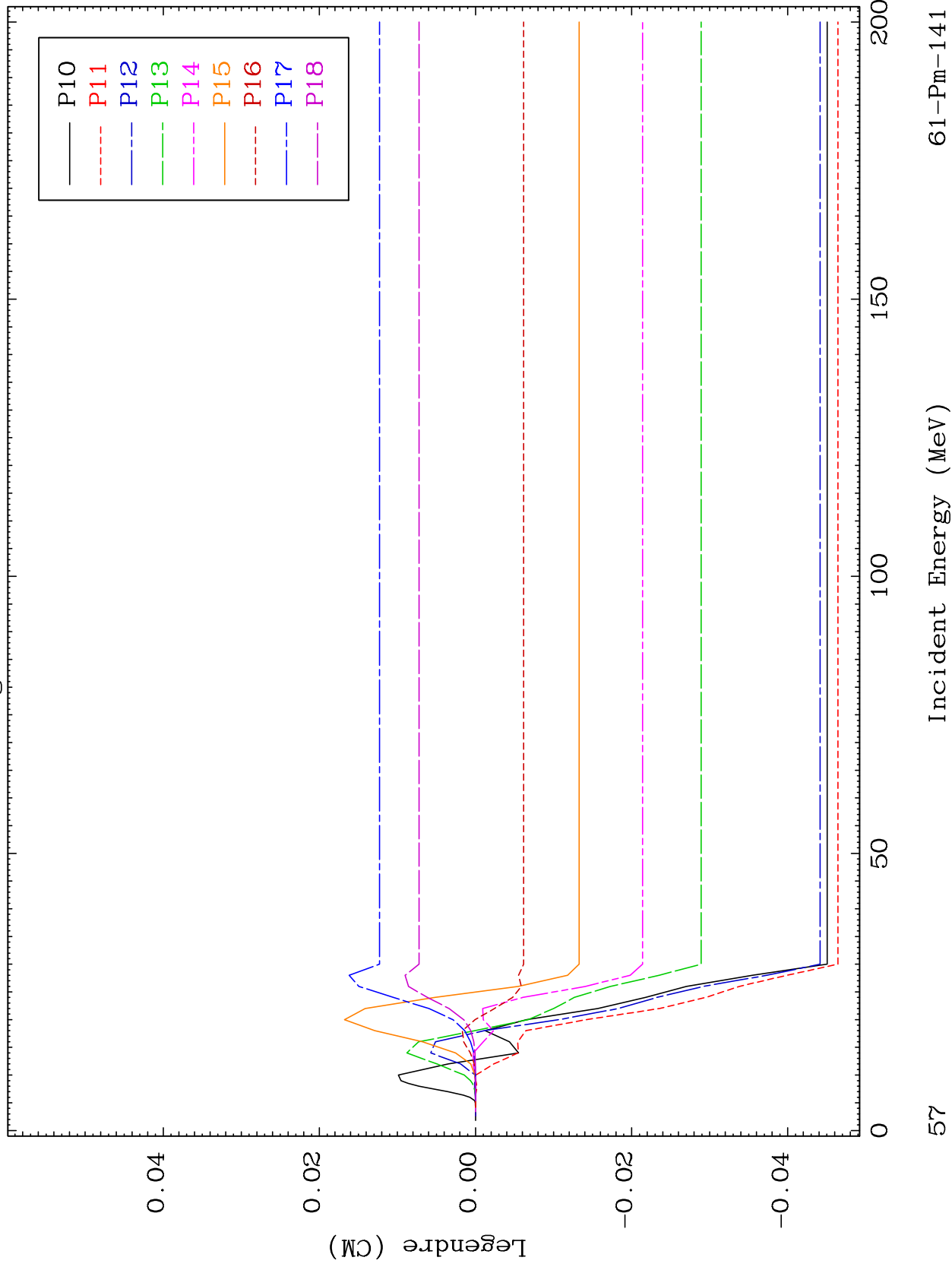




MAT 6131

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

61-Pm-141



57

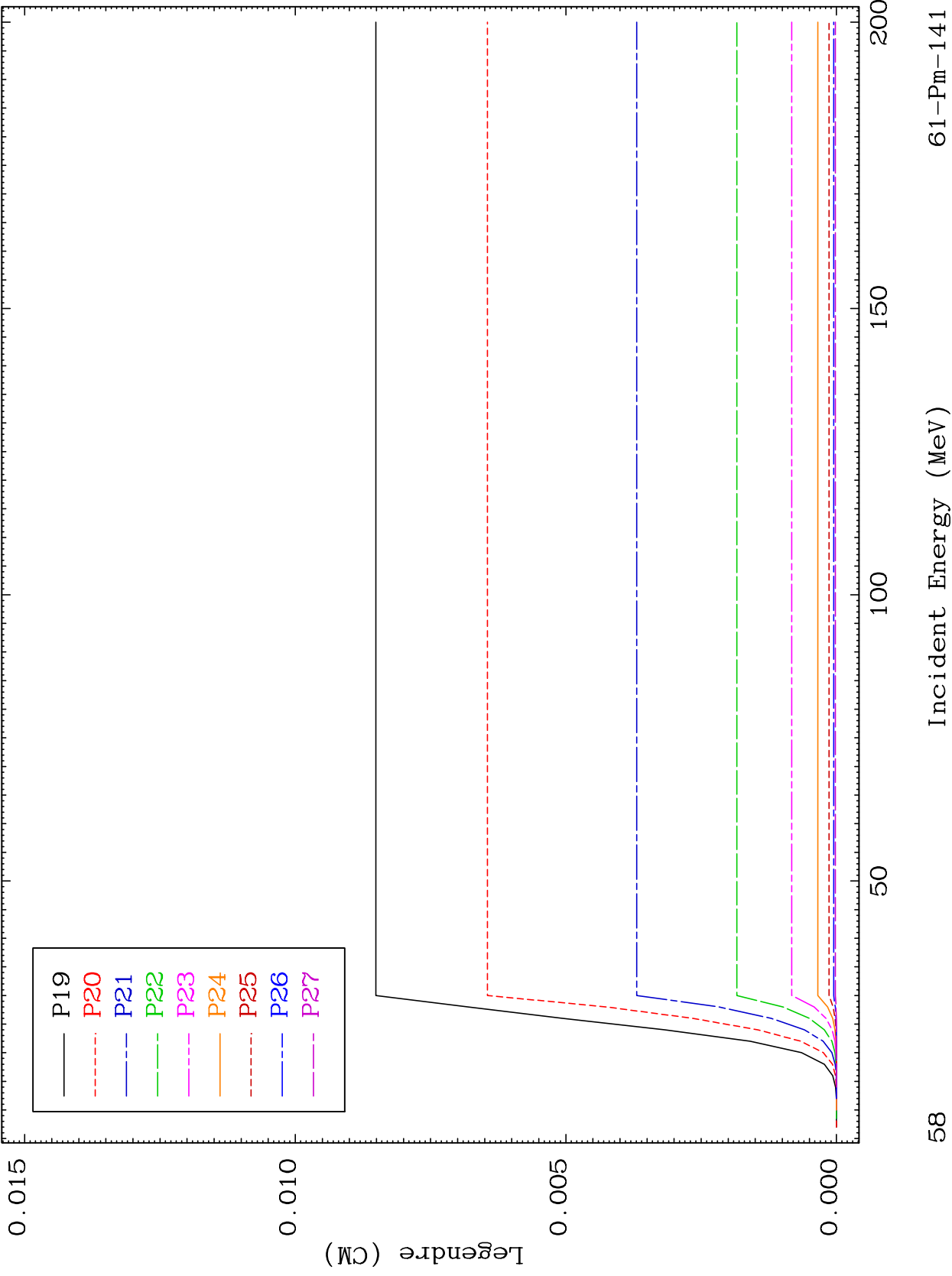
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



58

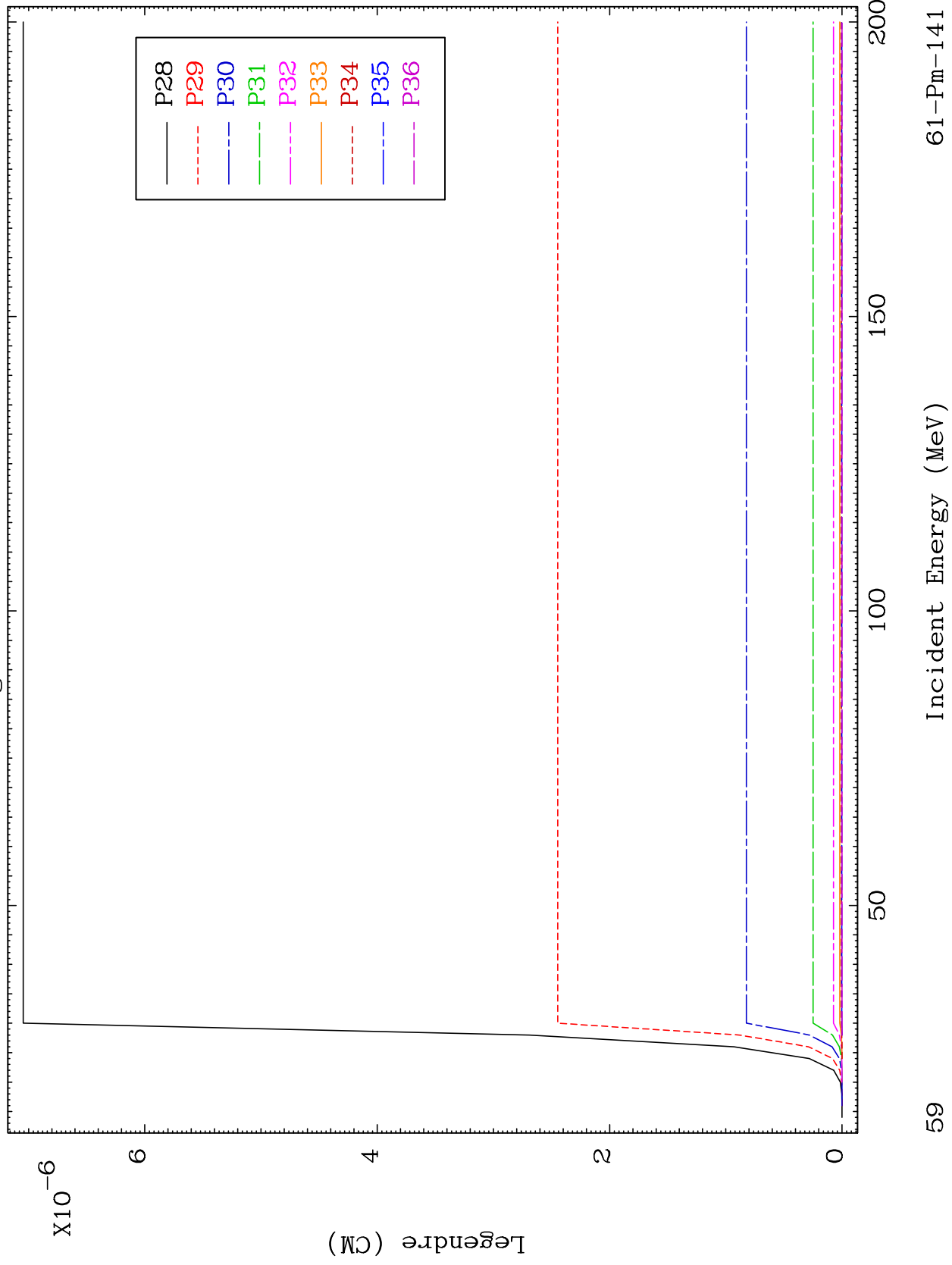
Incident Energy (MeV)

61-Pm-141

MAT 6131

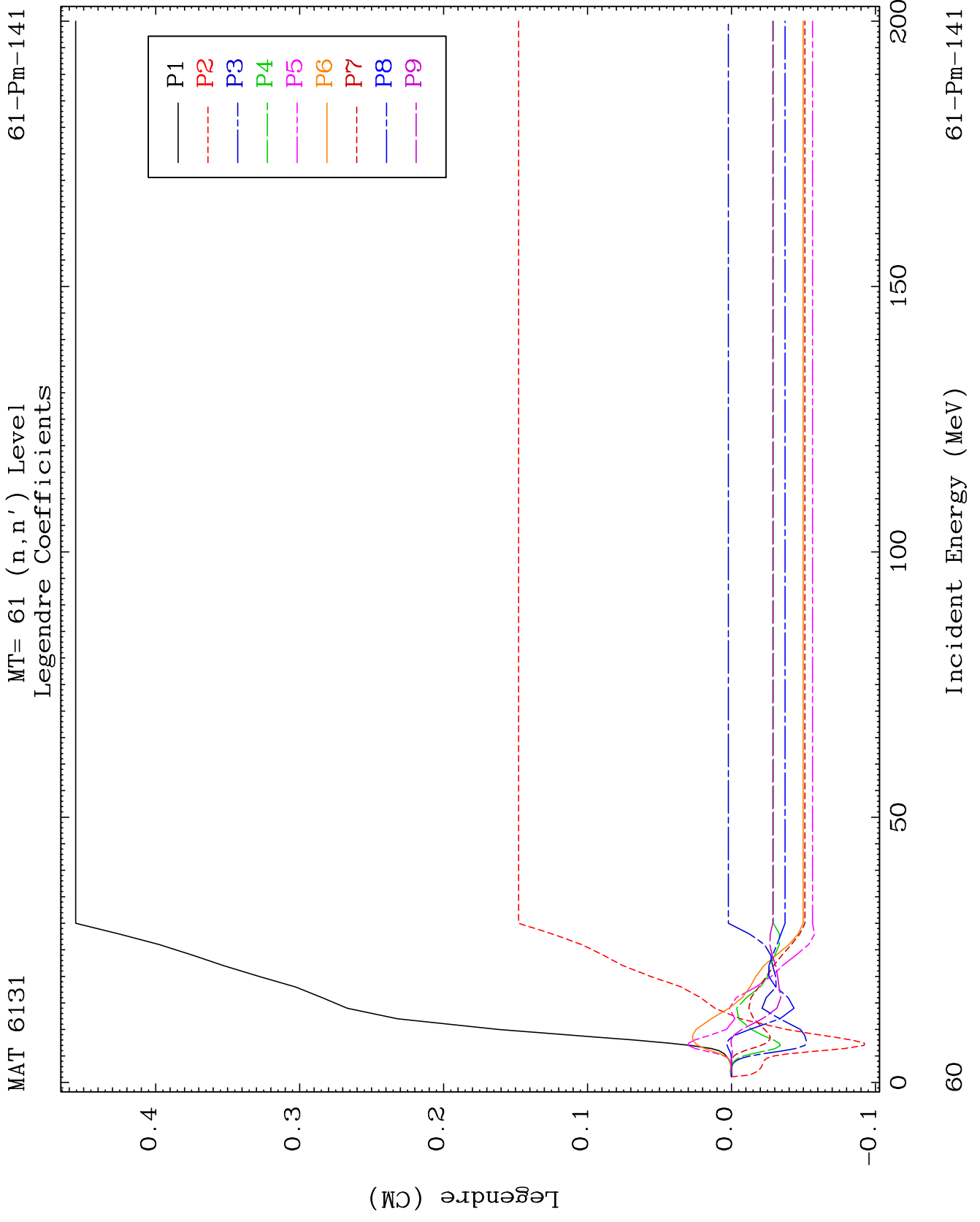
MT= 60 (n,n') Level
Legendre Coefficients

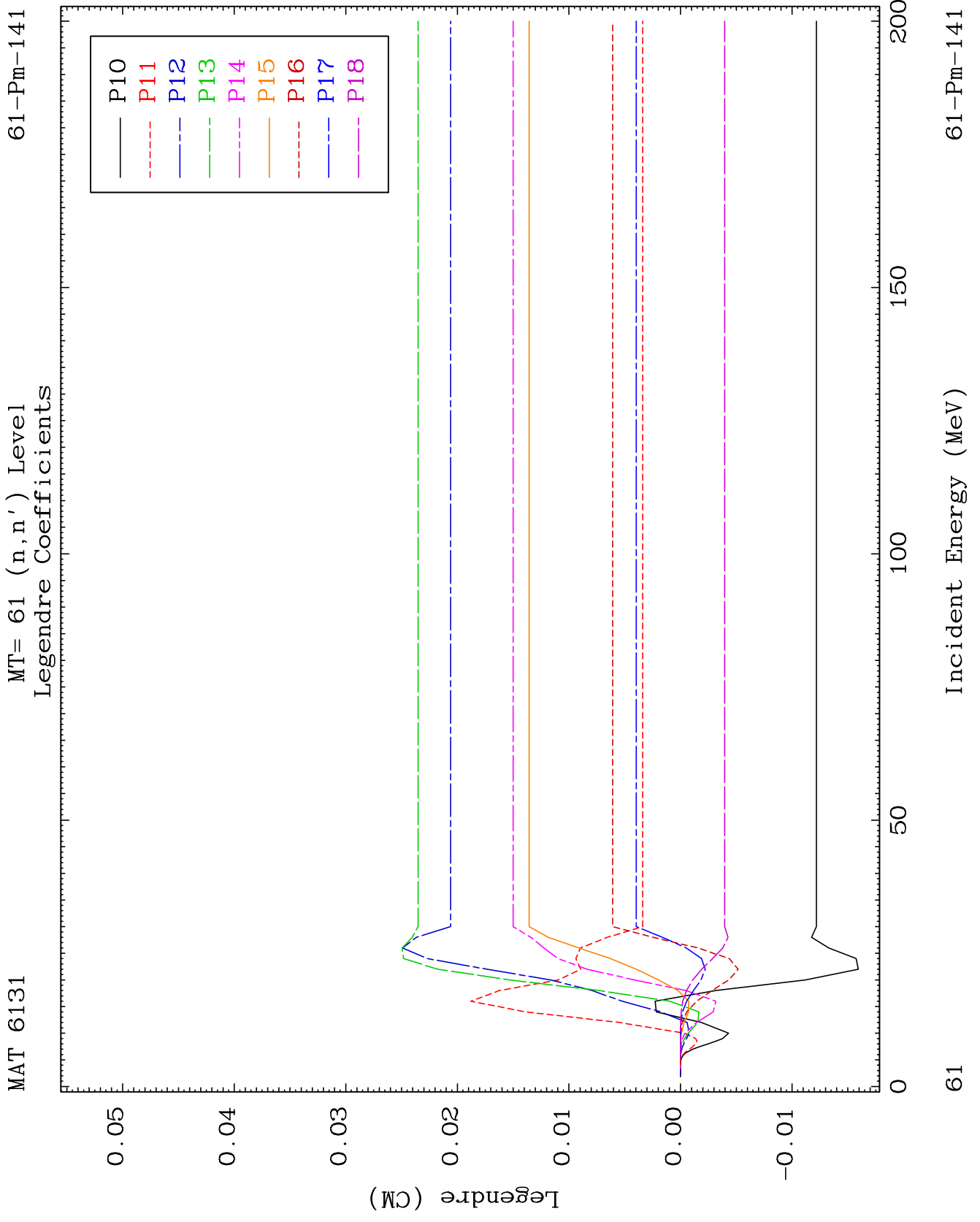
61-Pm-141



59

61-Pm-141

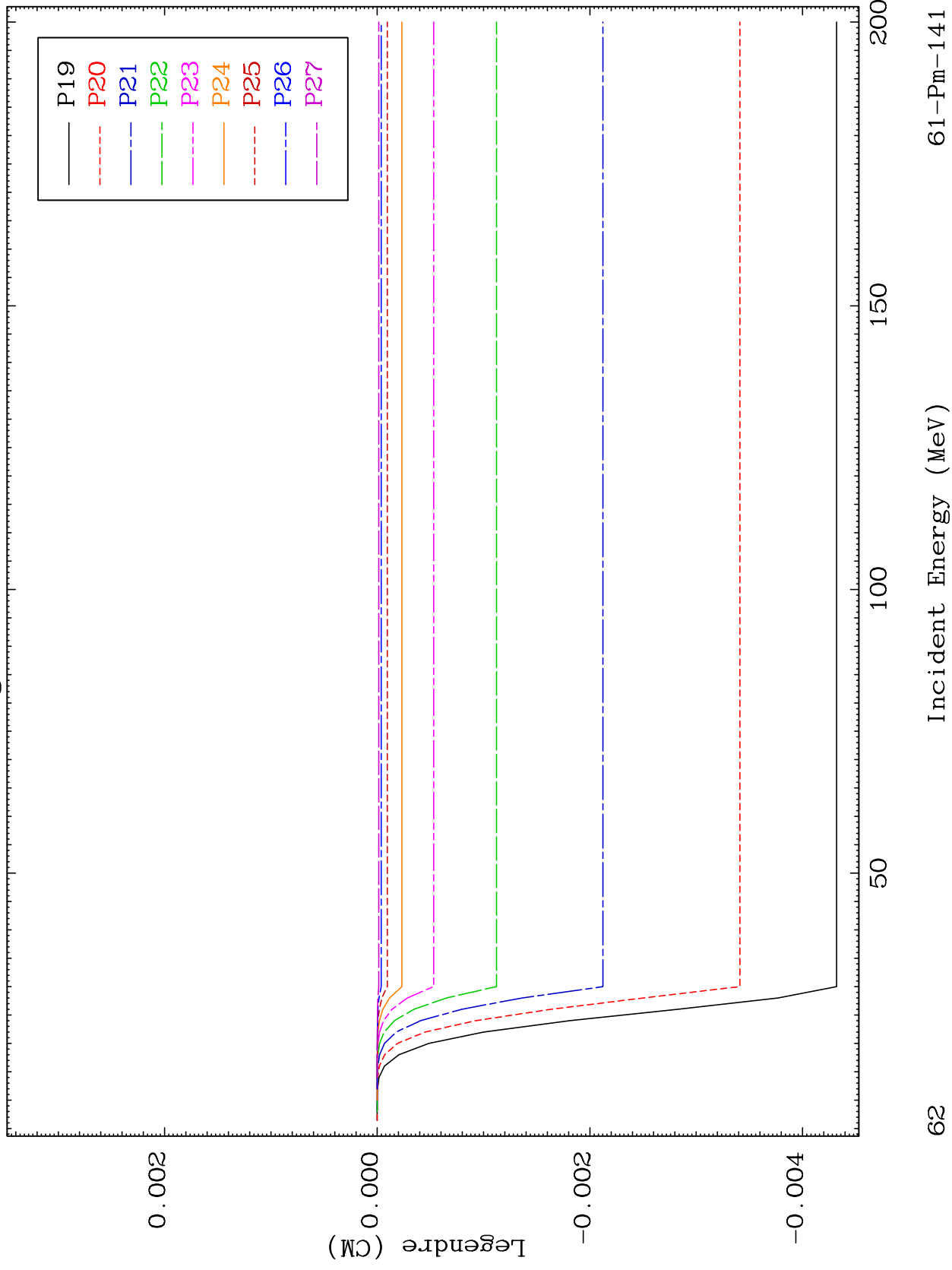




MAT 6131

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

61-Pm-141



62

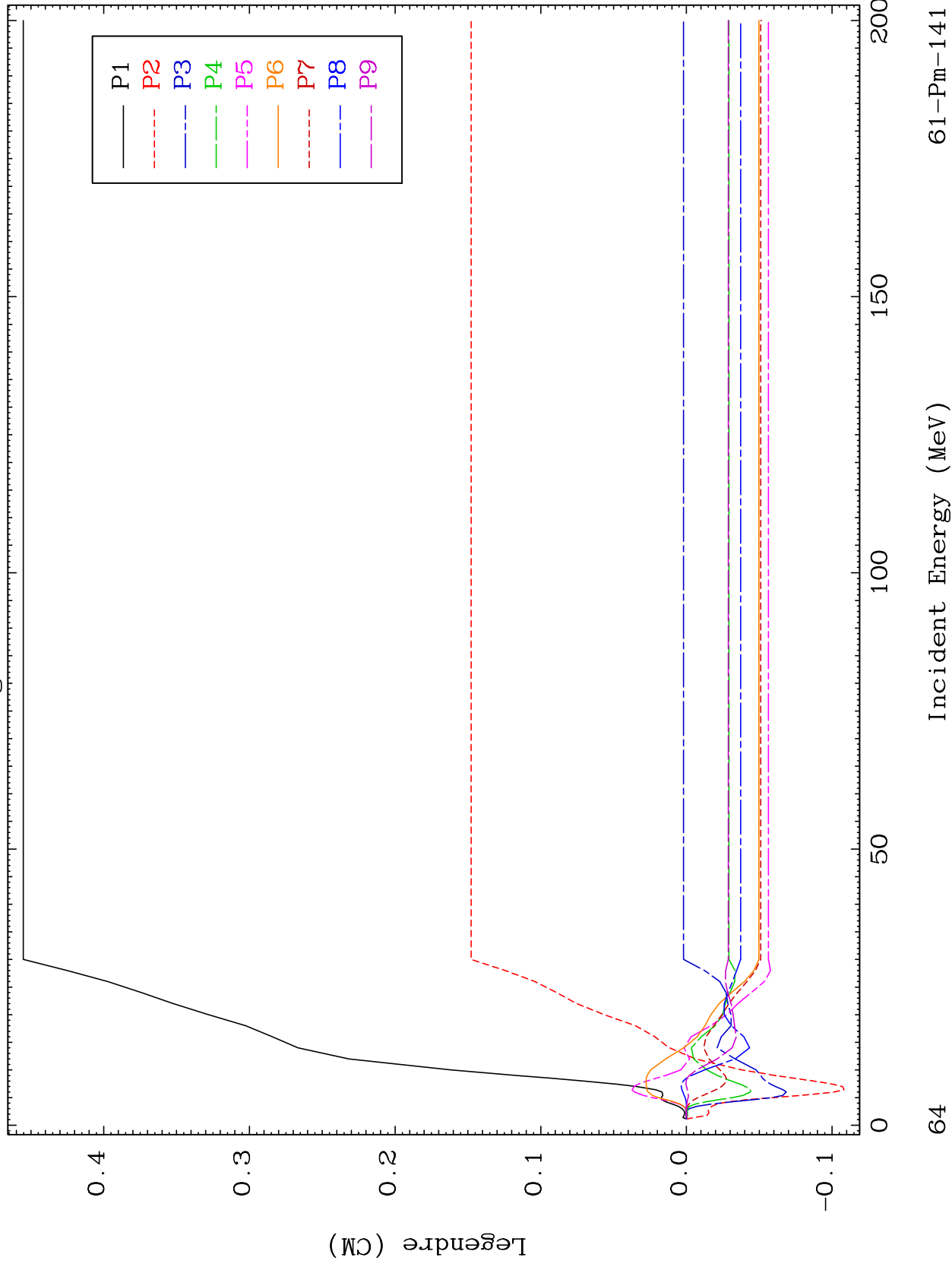
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



61-Pm-141

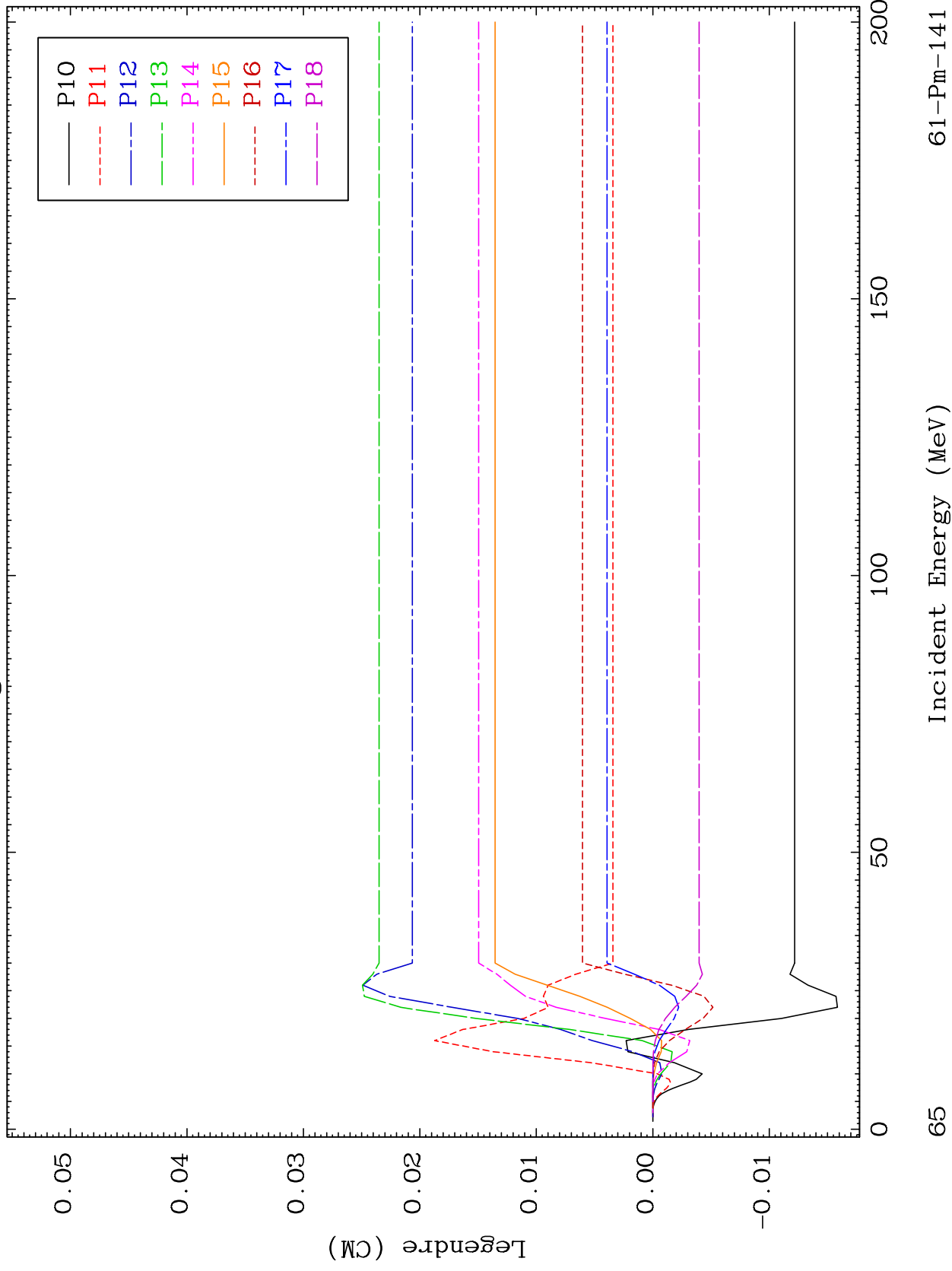
Incident Energy (MeV)

64

MAT 6131

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

61-Pm-141



61-Pm-141

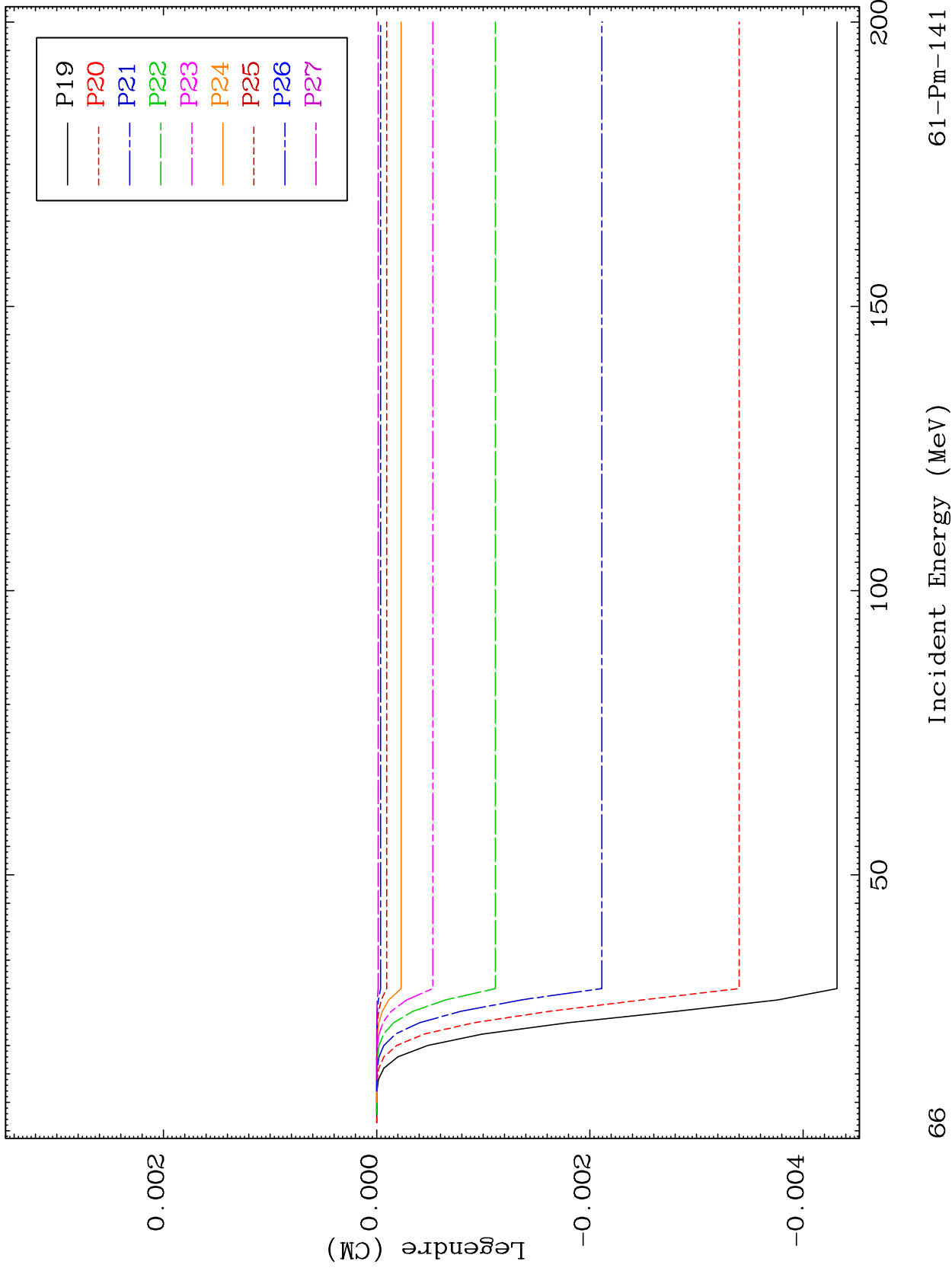
Incident Energy (MeV)

65

MAT 6131

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

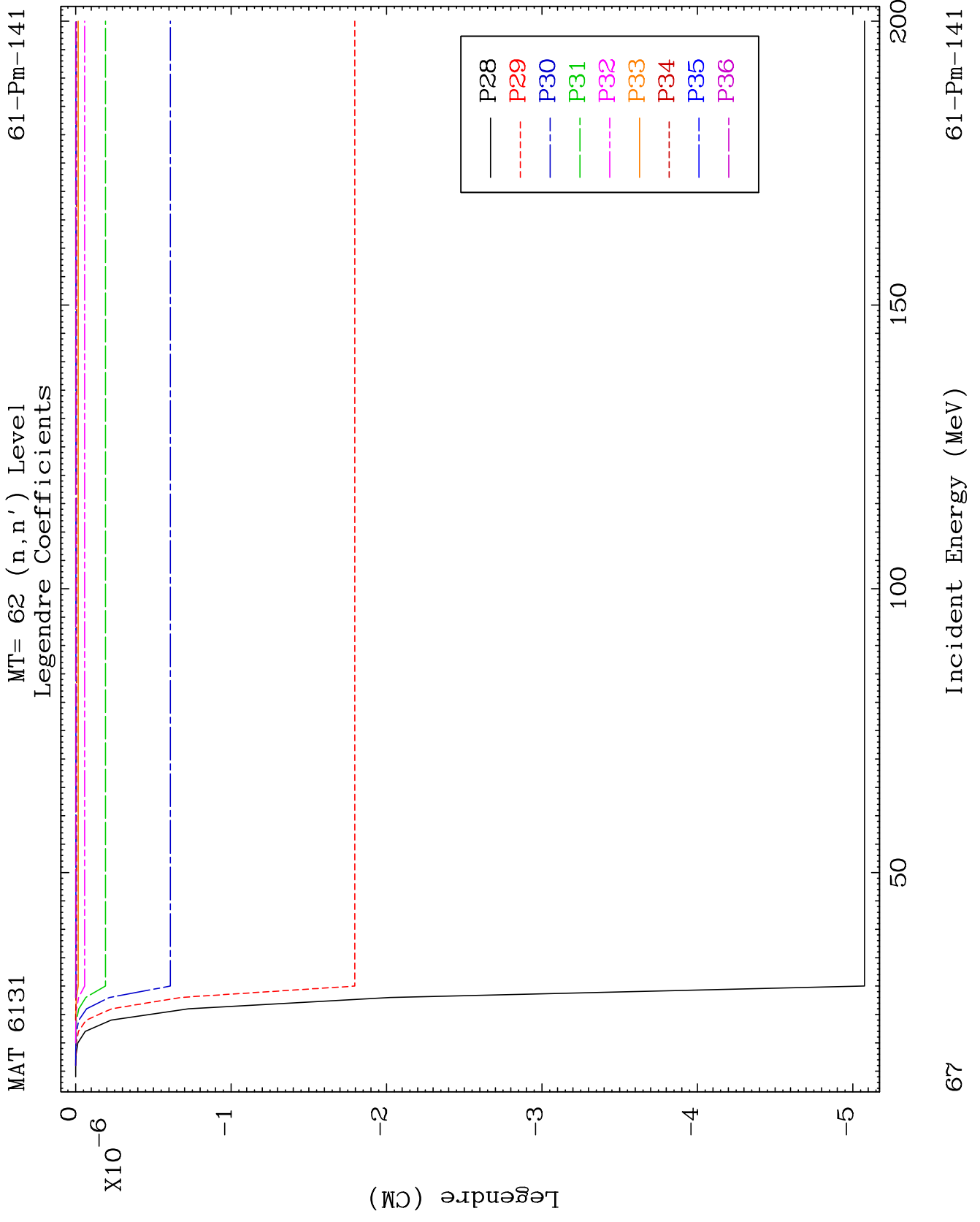
61-Pm-141



66

Incident Energy (MeV)

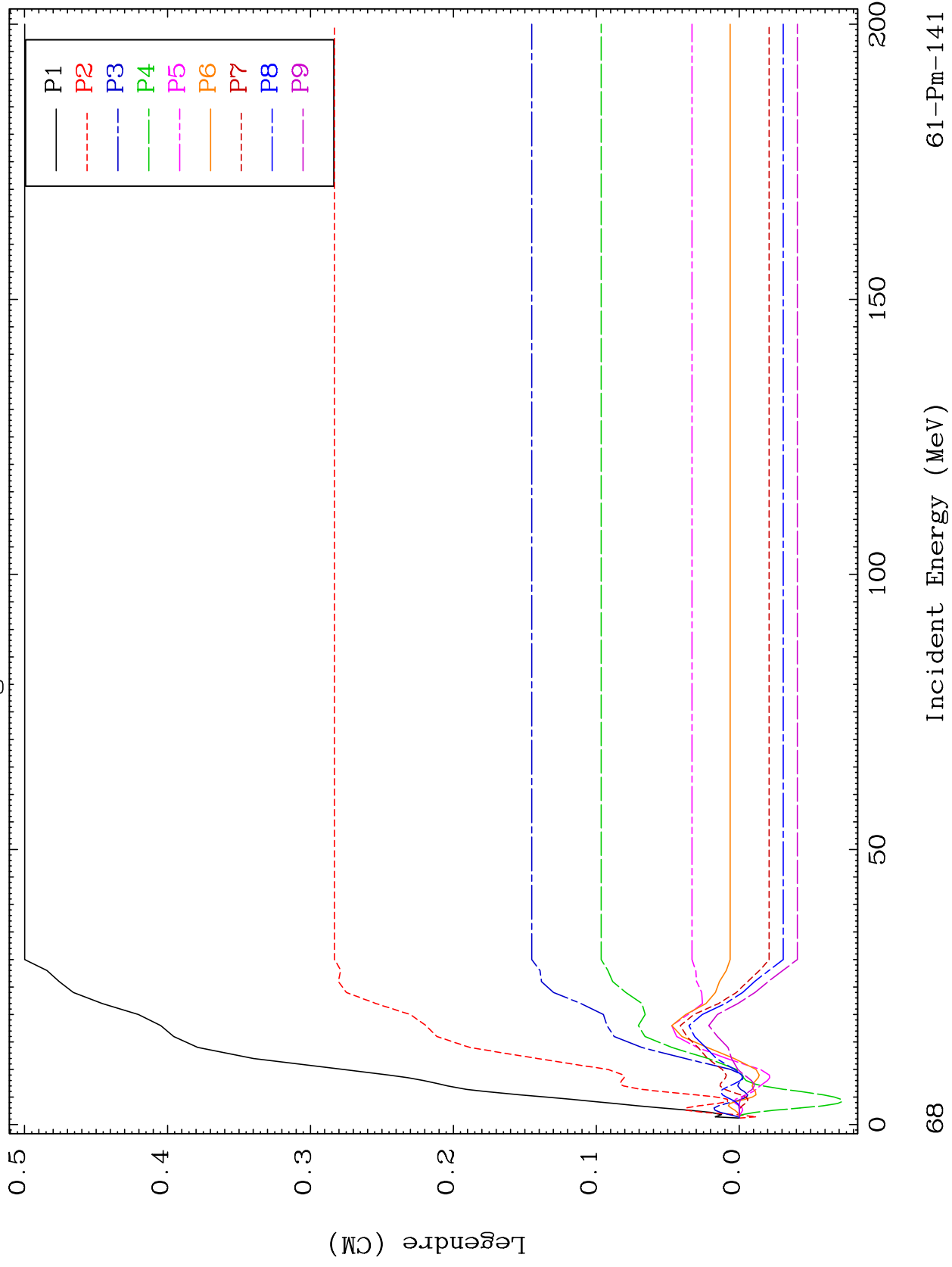
61-Pm-141



MAT 6131

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

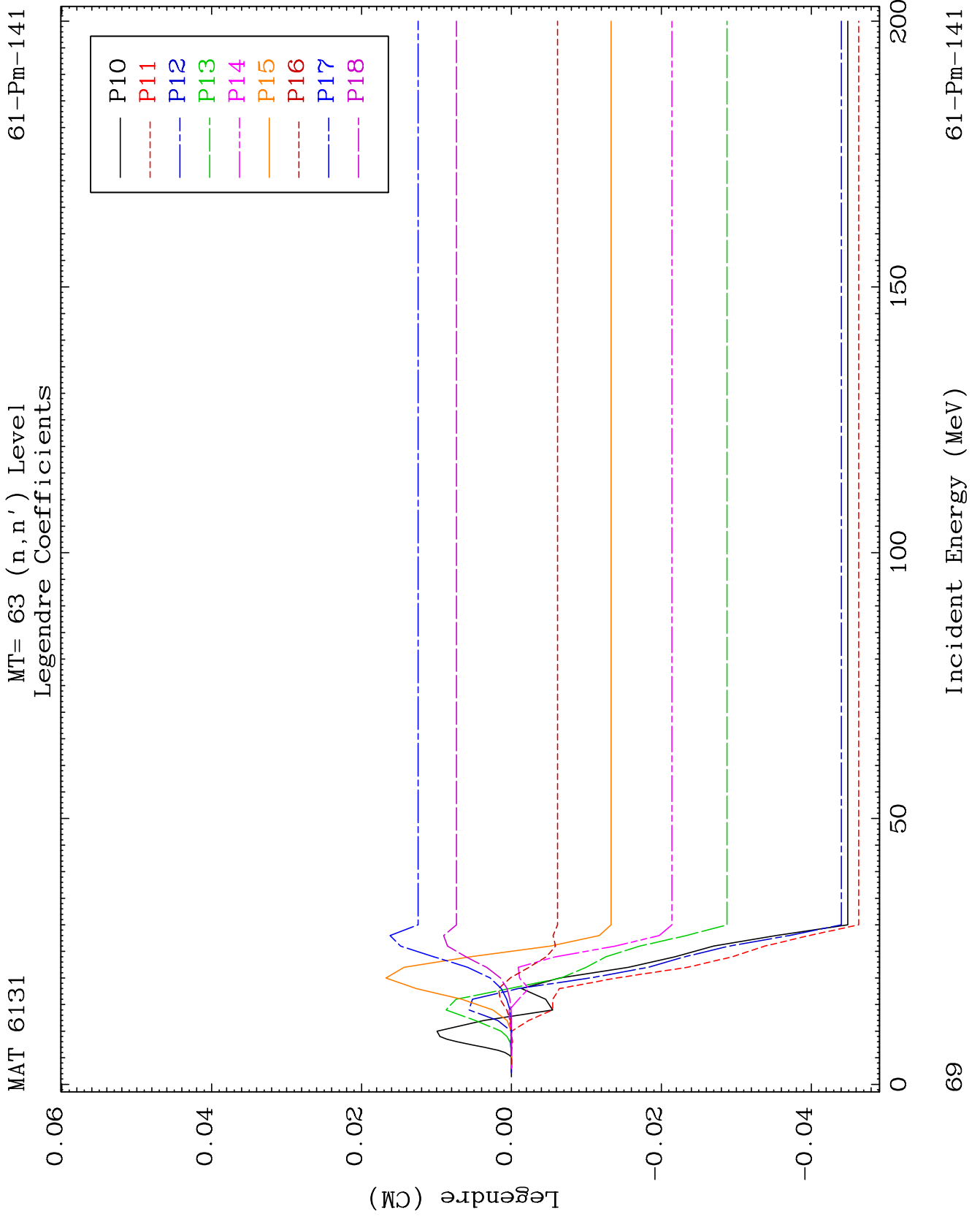
61-Pm-141



61-Pm-141

Incident Energy (MeV)

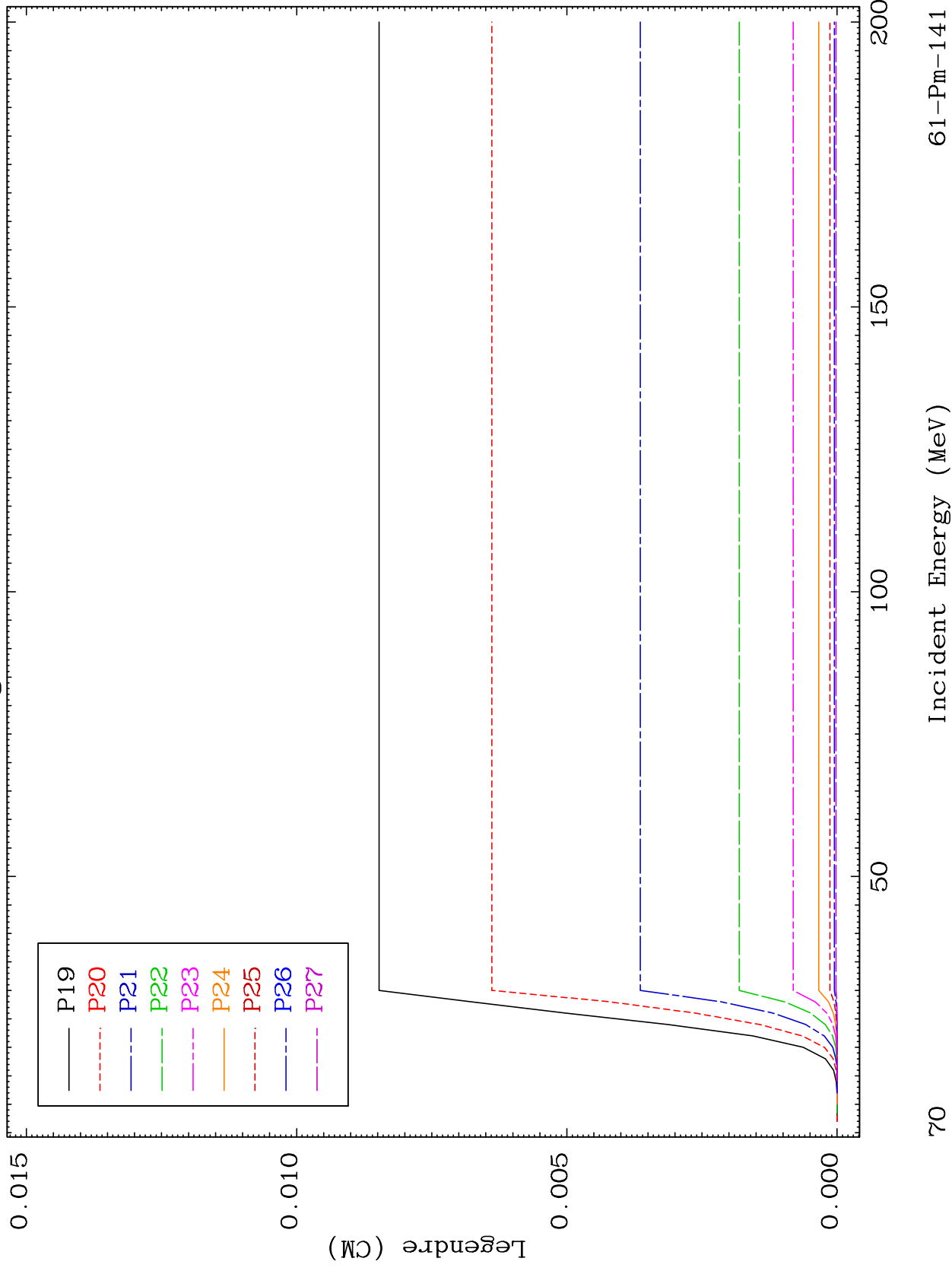
68



MAT 6131

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

61-Pm-141



61-Pm-141

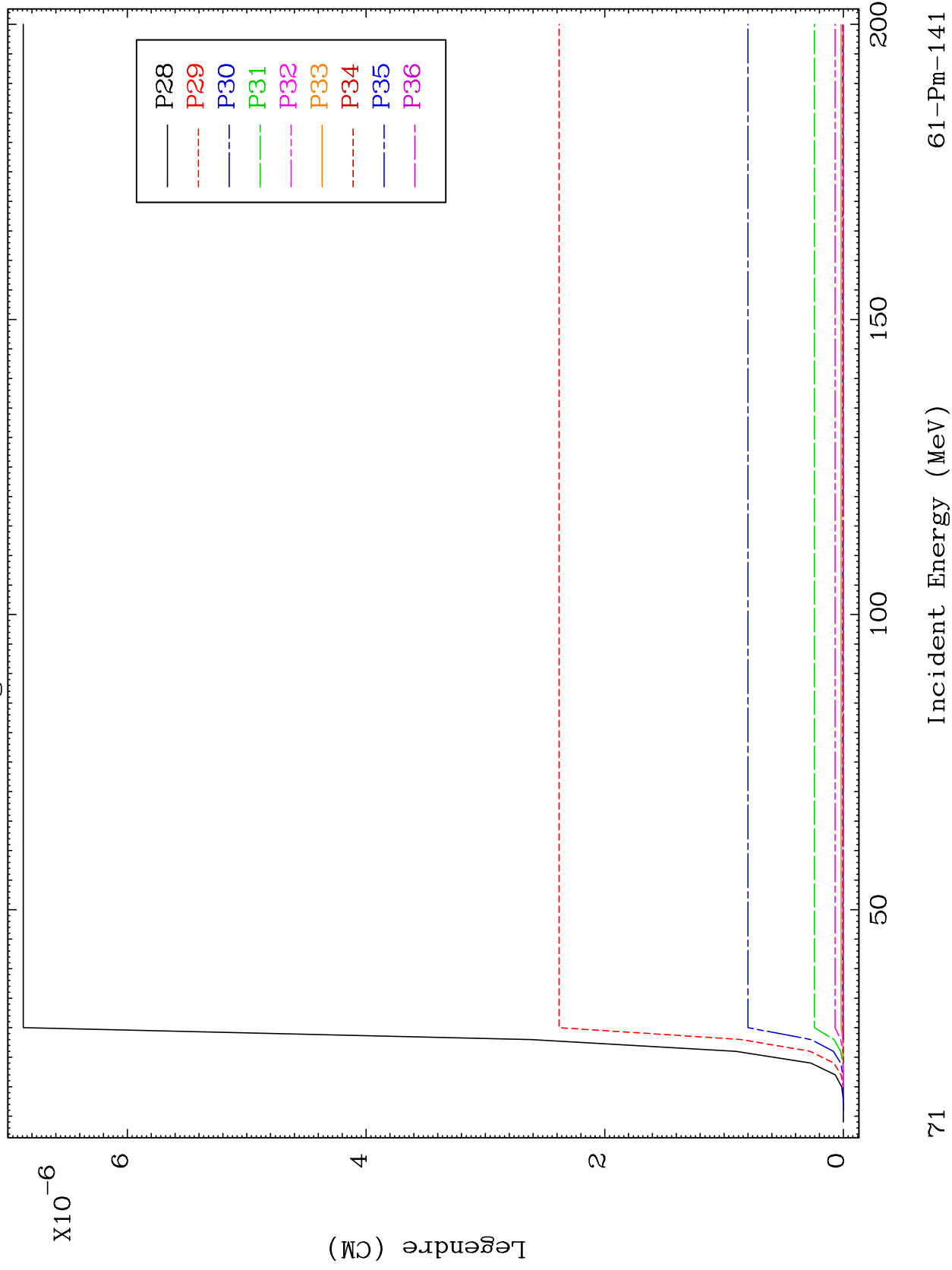
Incident Energy (MeV)

70

MAT 6131

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

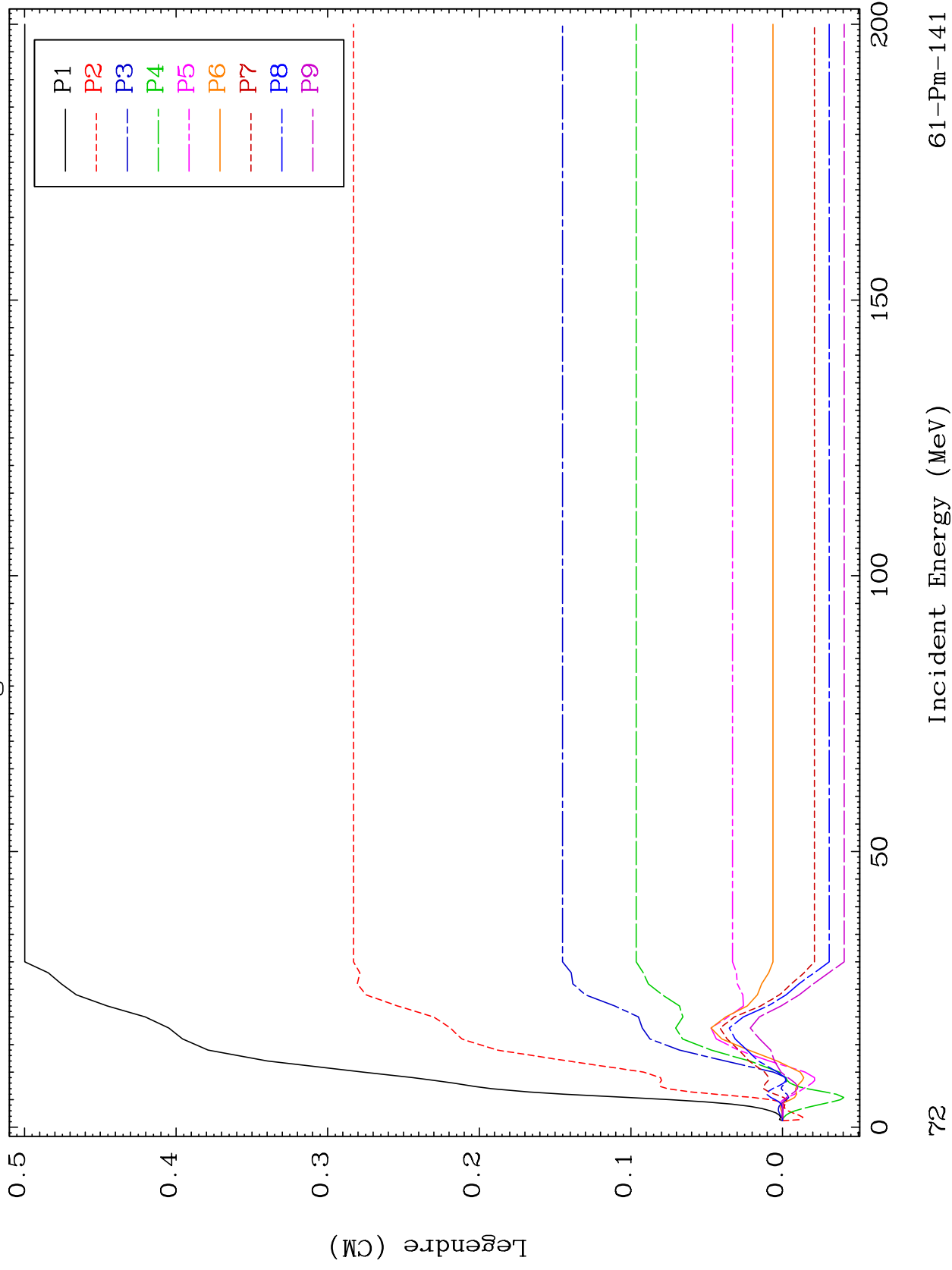
61-Pm-141



MAT 6131

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

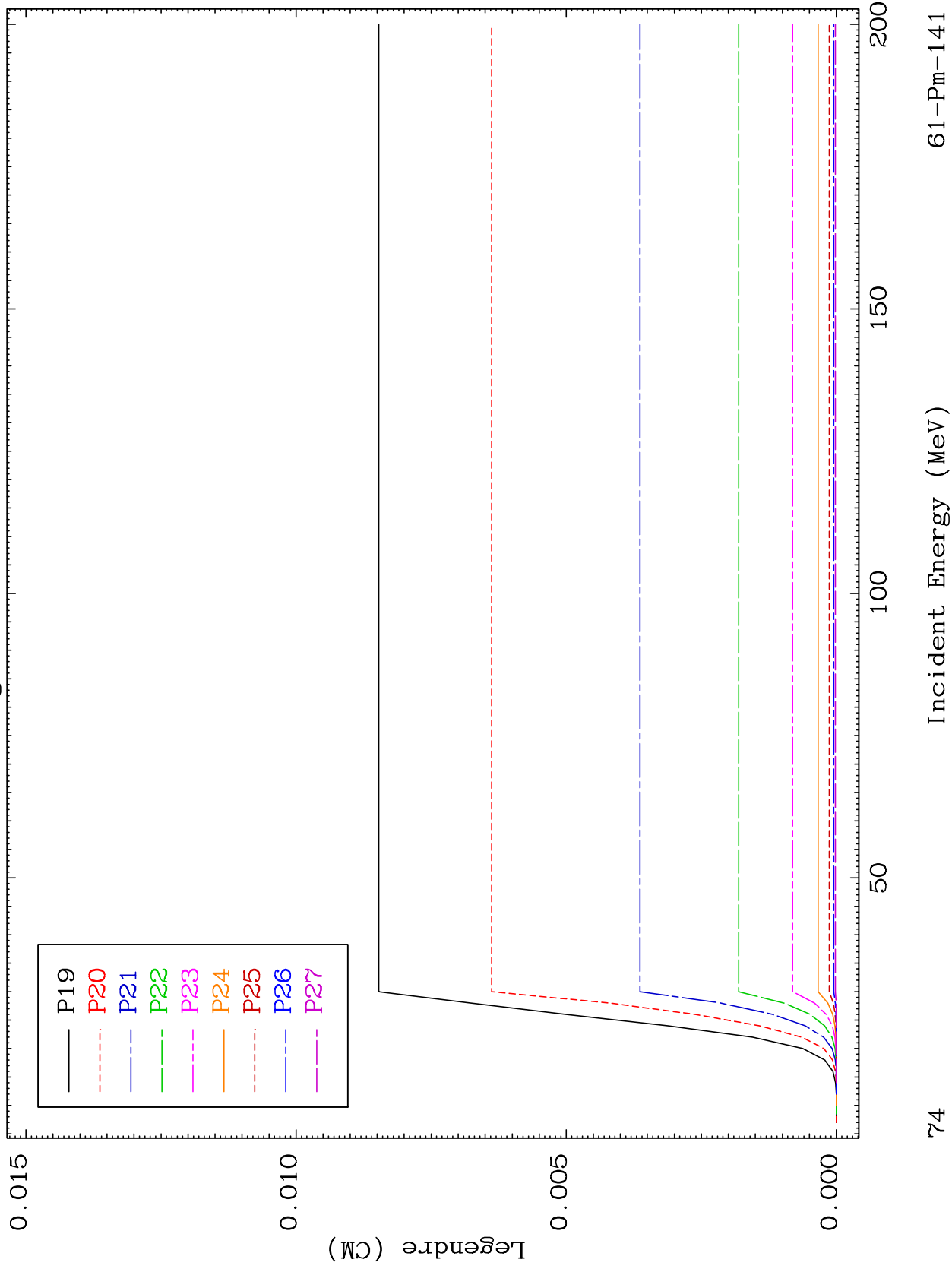
61-Pm-141



MAT 6131

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

61-Pm-141



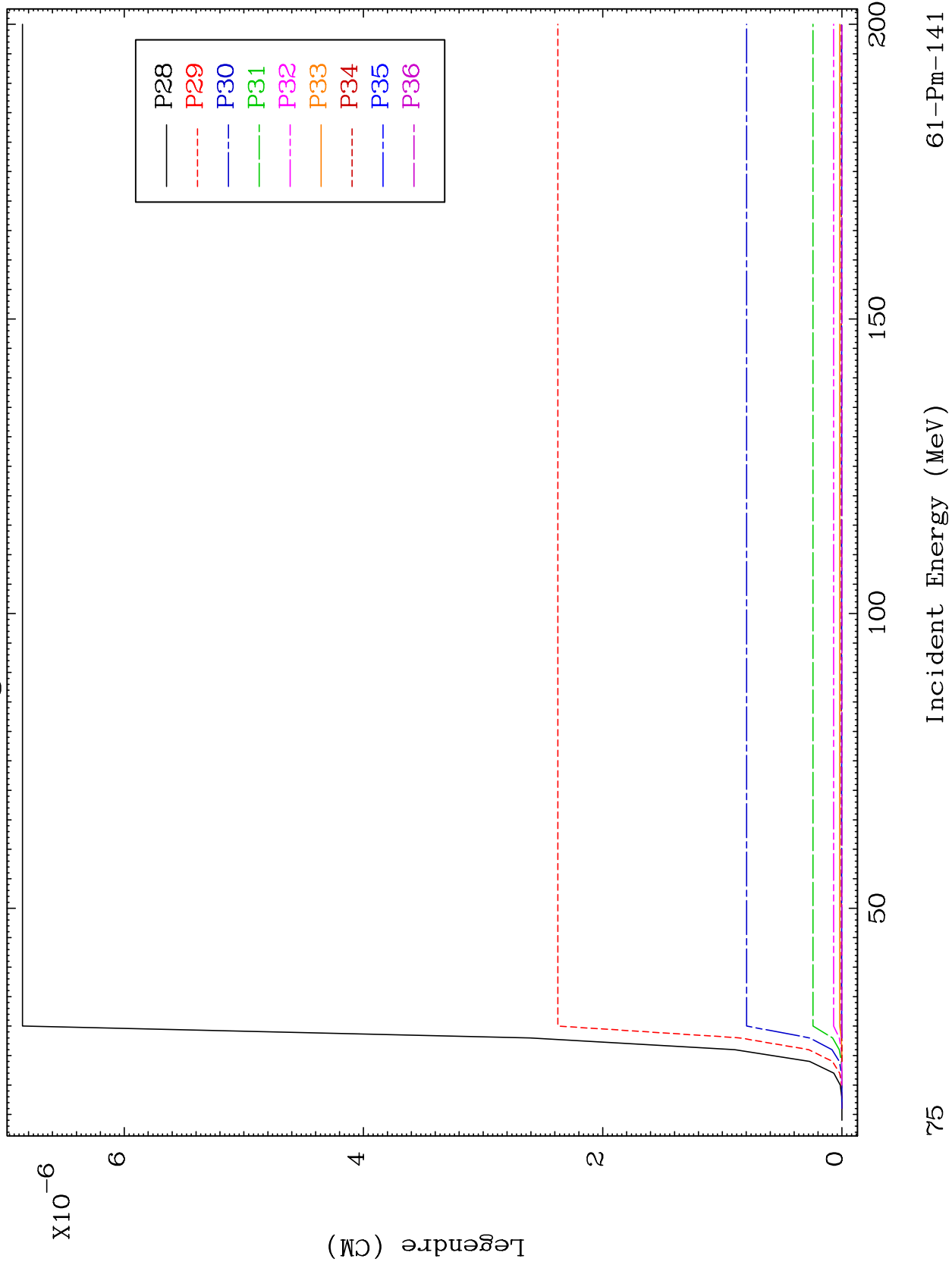
74

61-Pm-141

MAT 6131

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

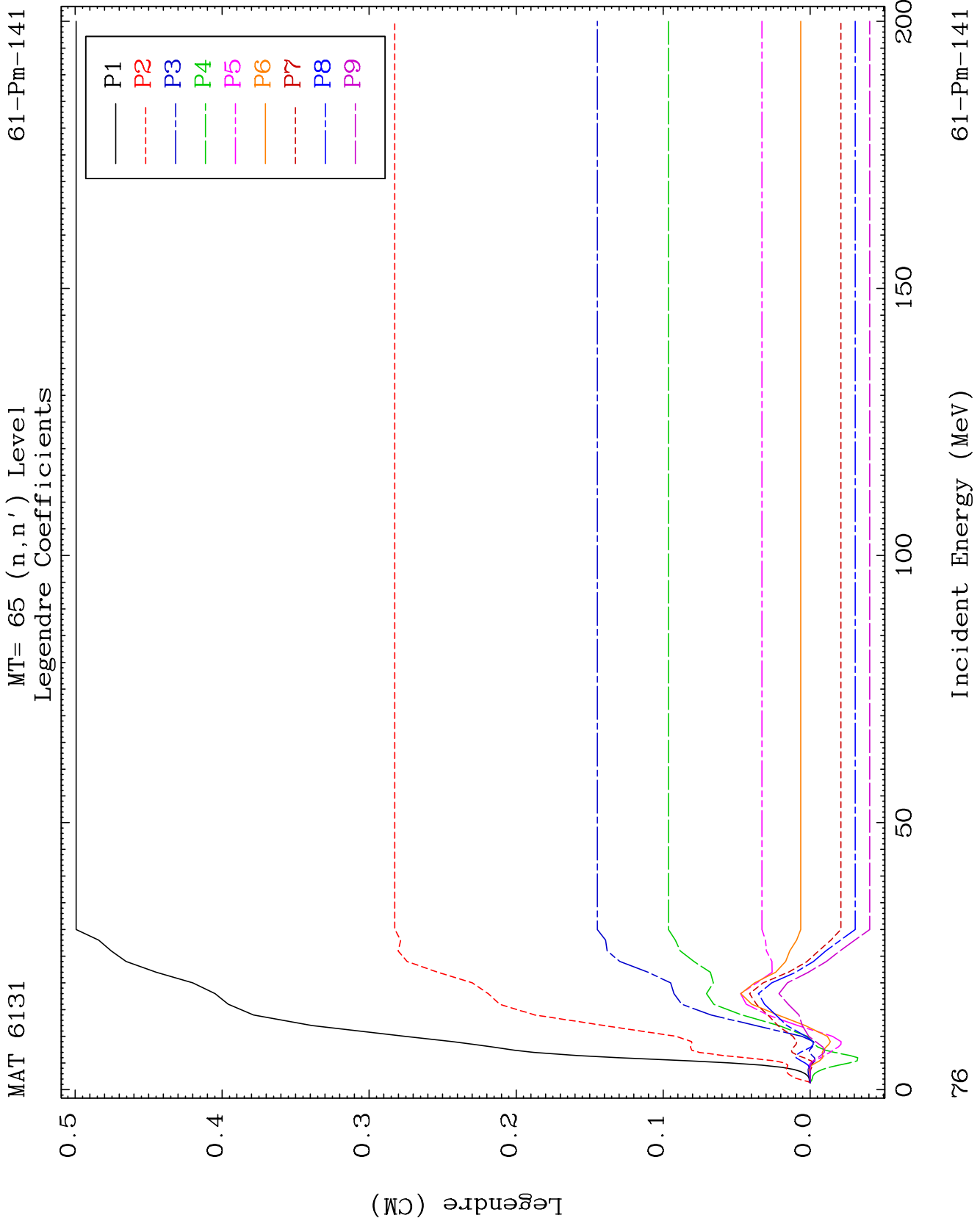
61-Pm-141

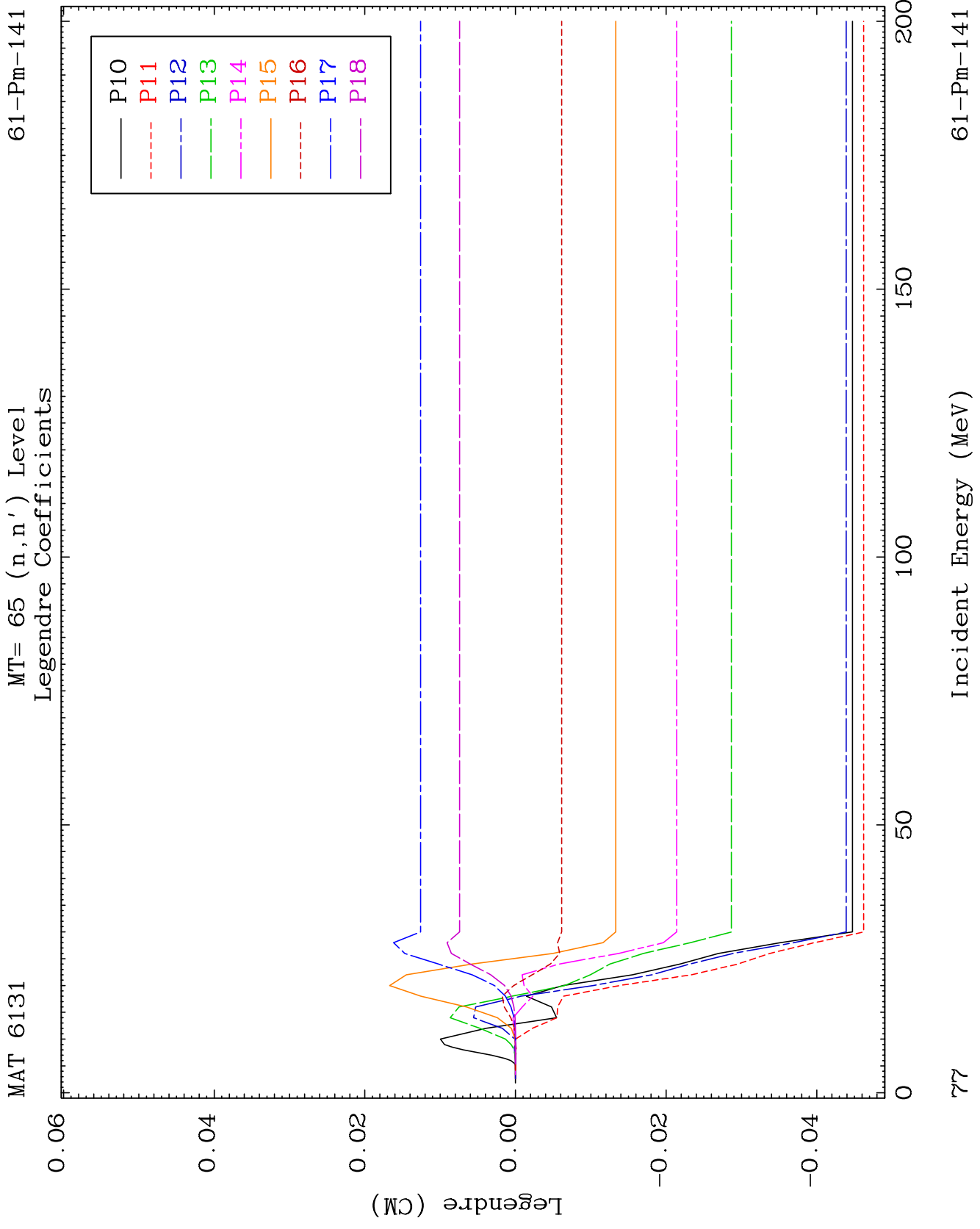


75

Incident Energy (MeV)

61-Pm-141

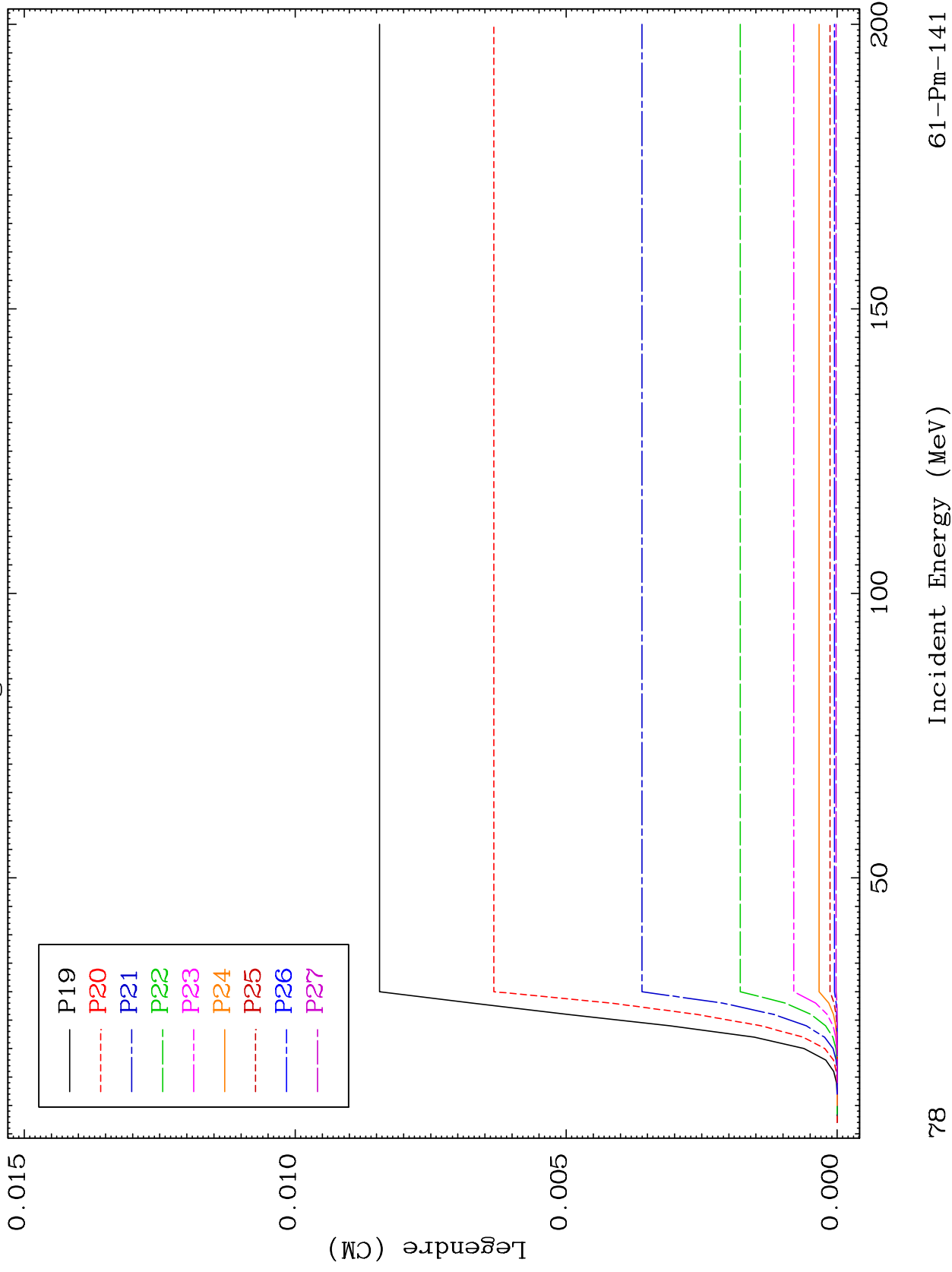




MAT 6131

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

61-Pm-141



78

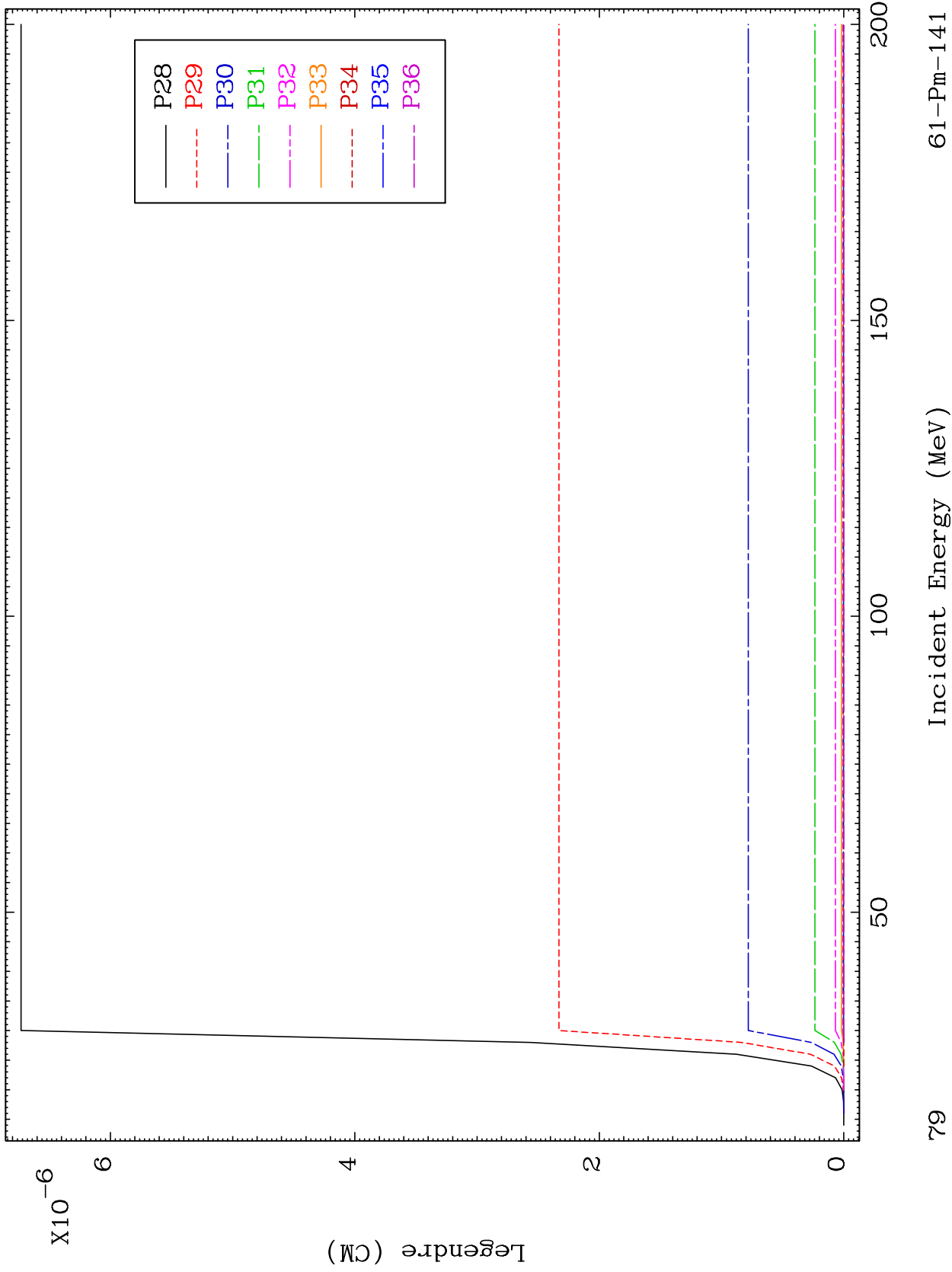
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



79

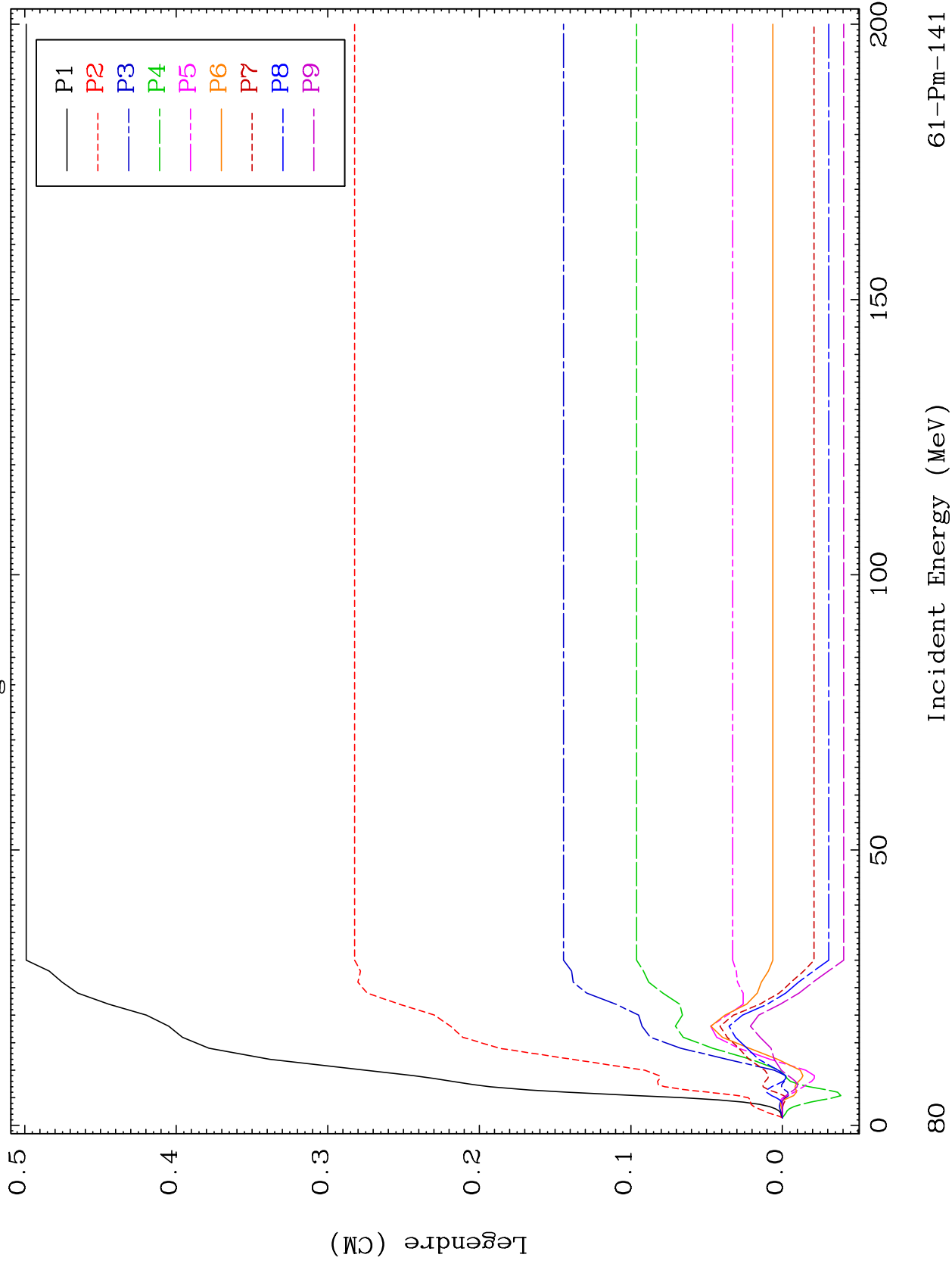
Incident Energy (MeV)

61-Pm-141

MAT 6131

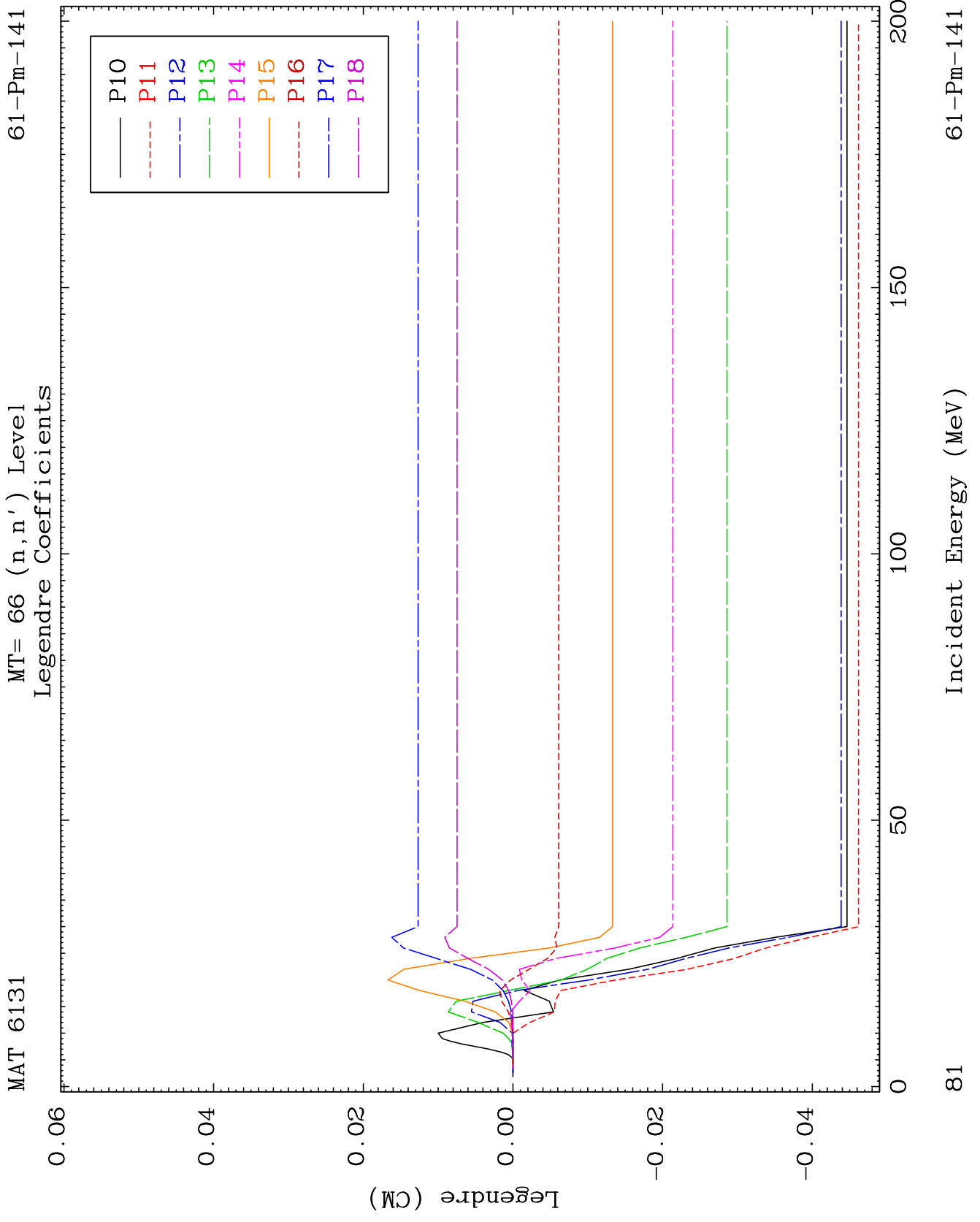
MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-141



61-Pm-141

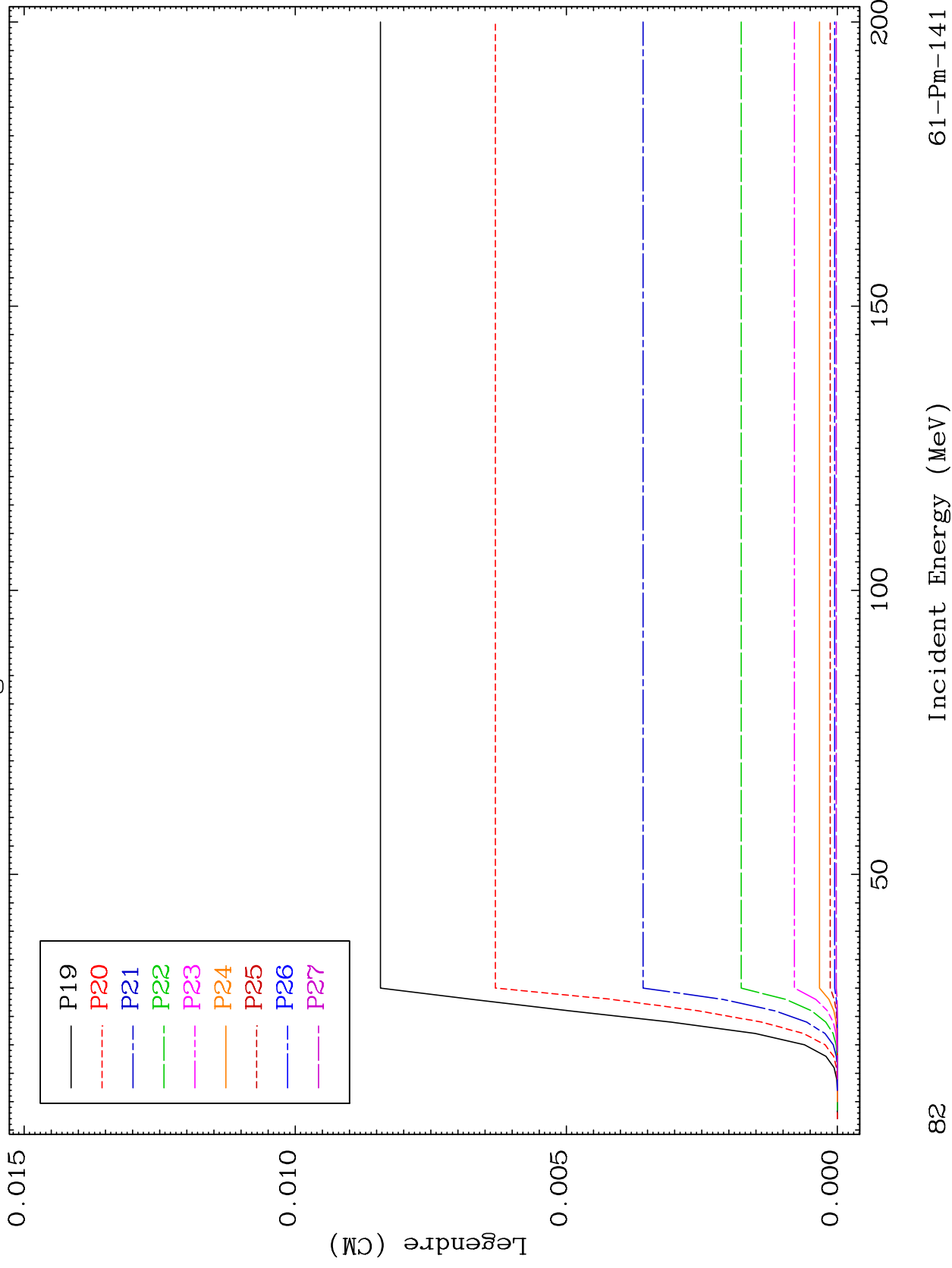
Incident Energy (MeV)



MAT 6131

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

61-Pm-141



82

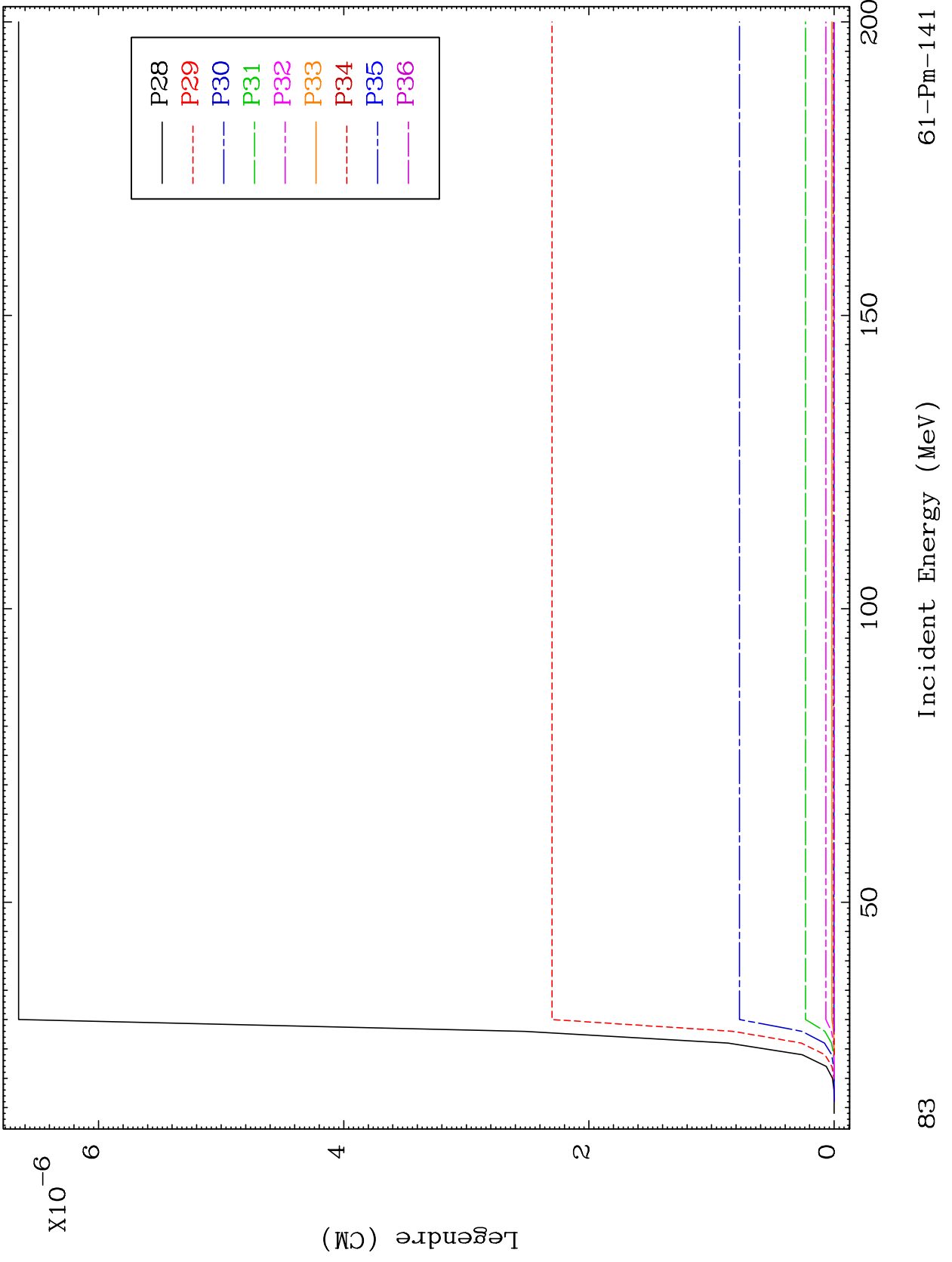
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

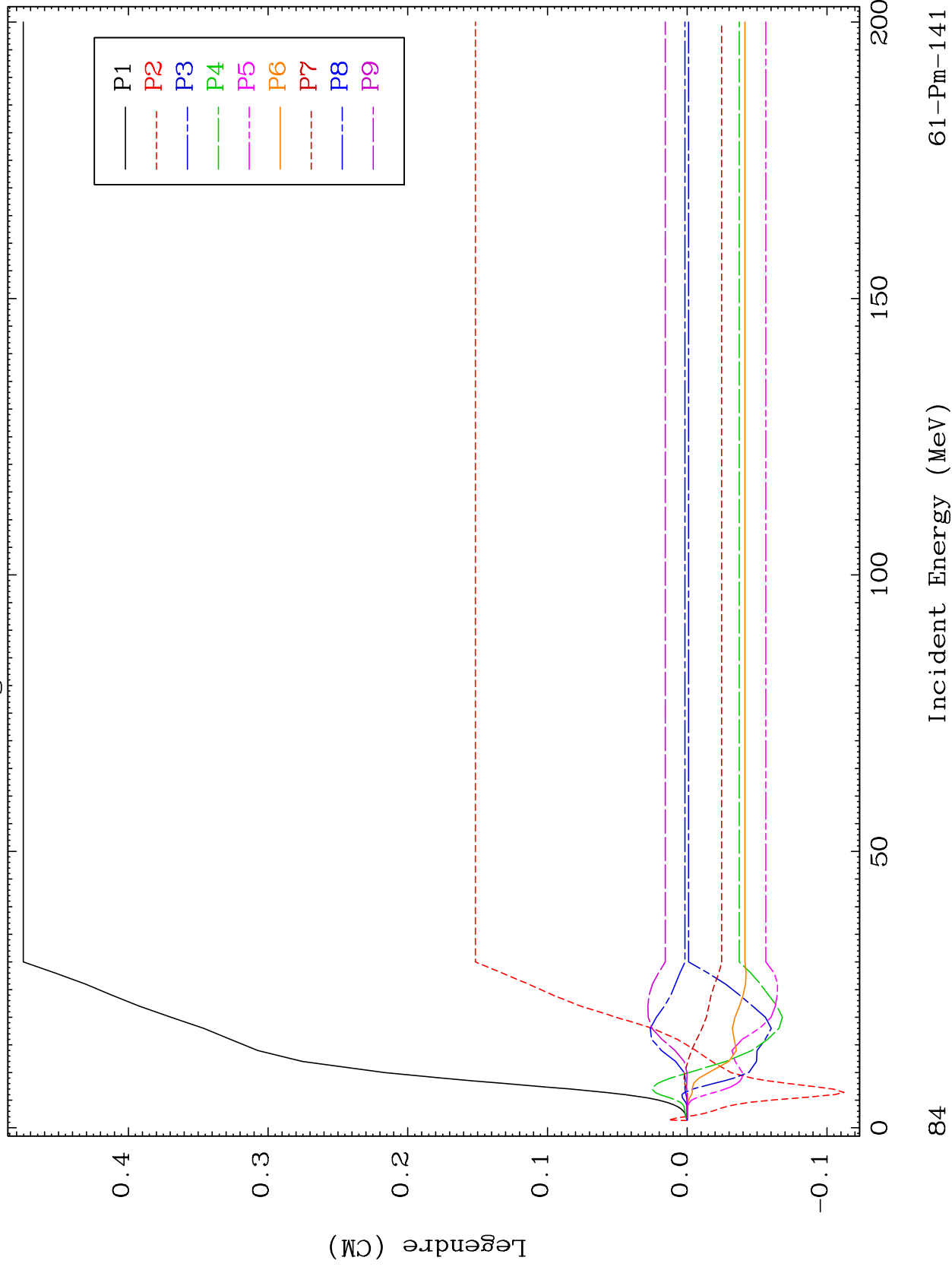
61-Pm-141



MAT 6131

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

61-Pm-141



61-Pm-141

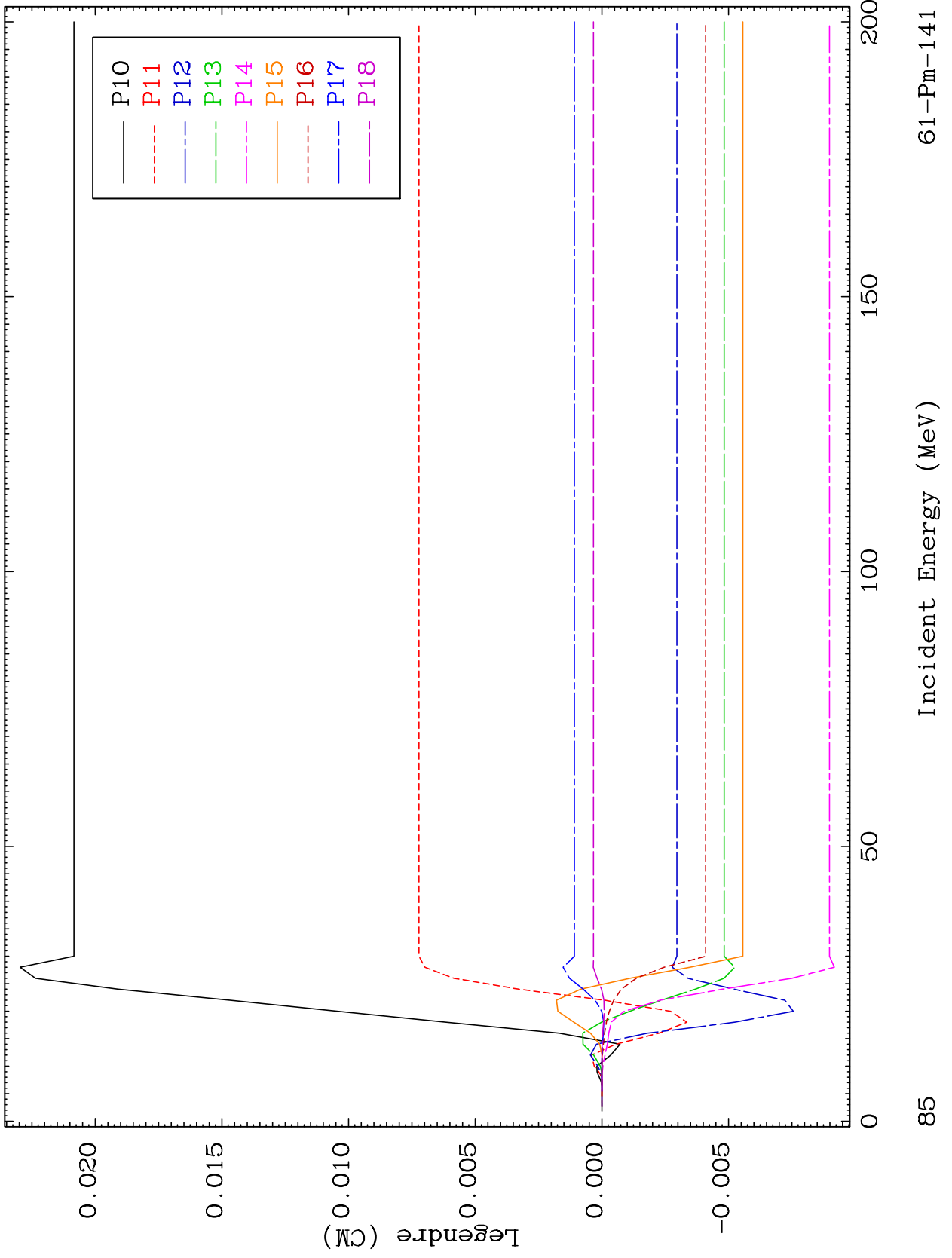
Incident Energy (MeV)

84

MAT 6131

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

61-Pm-141



61-Pm-141

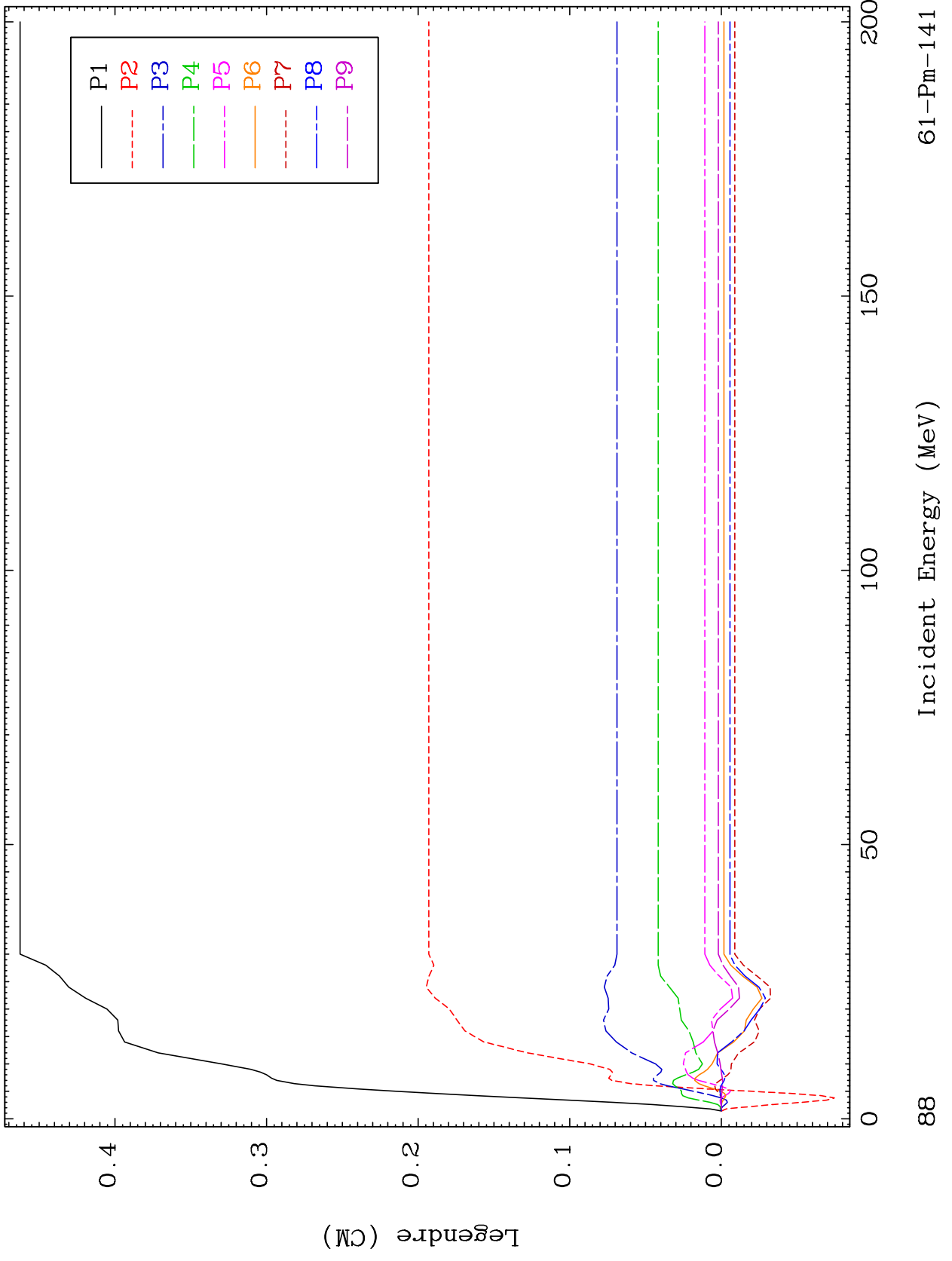
Incident Energy (MeV)

85

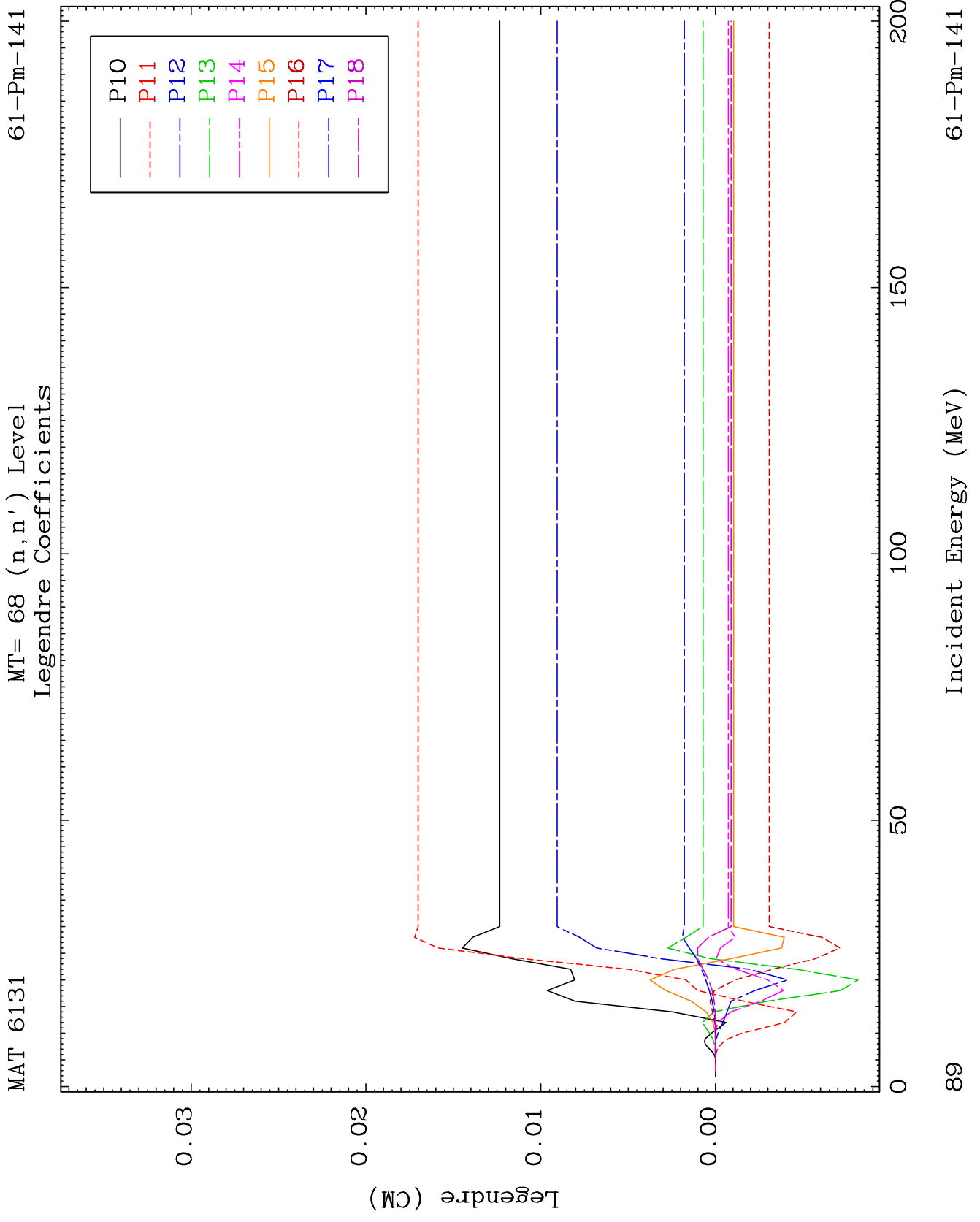
MAT 6131

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

61-Pm-141



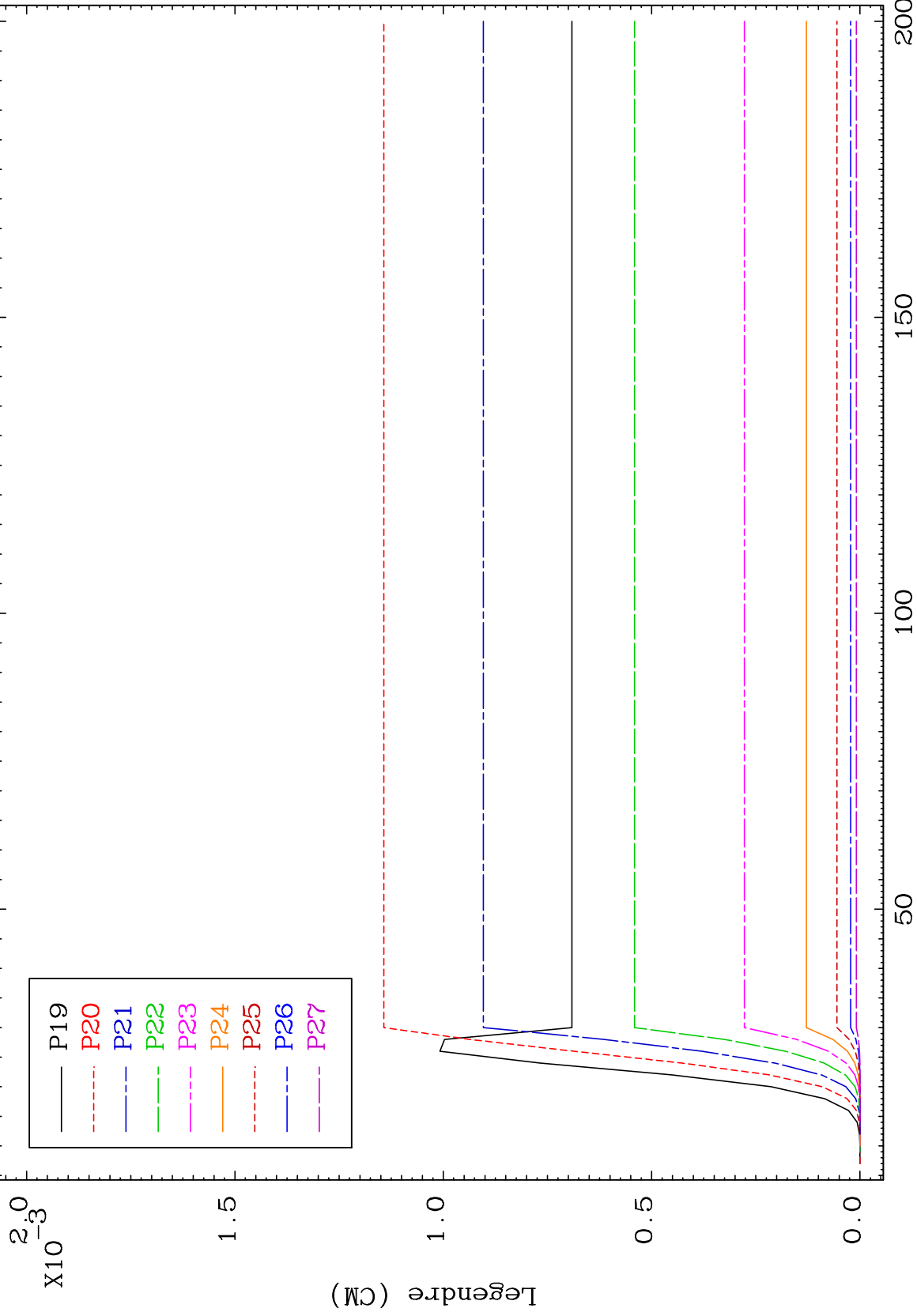
88



MAT 6131

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

61-Pm-141



90

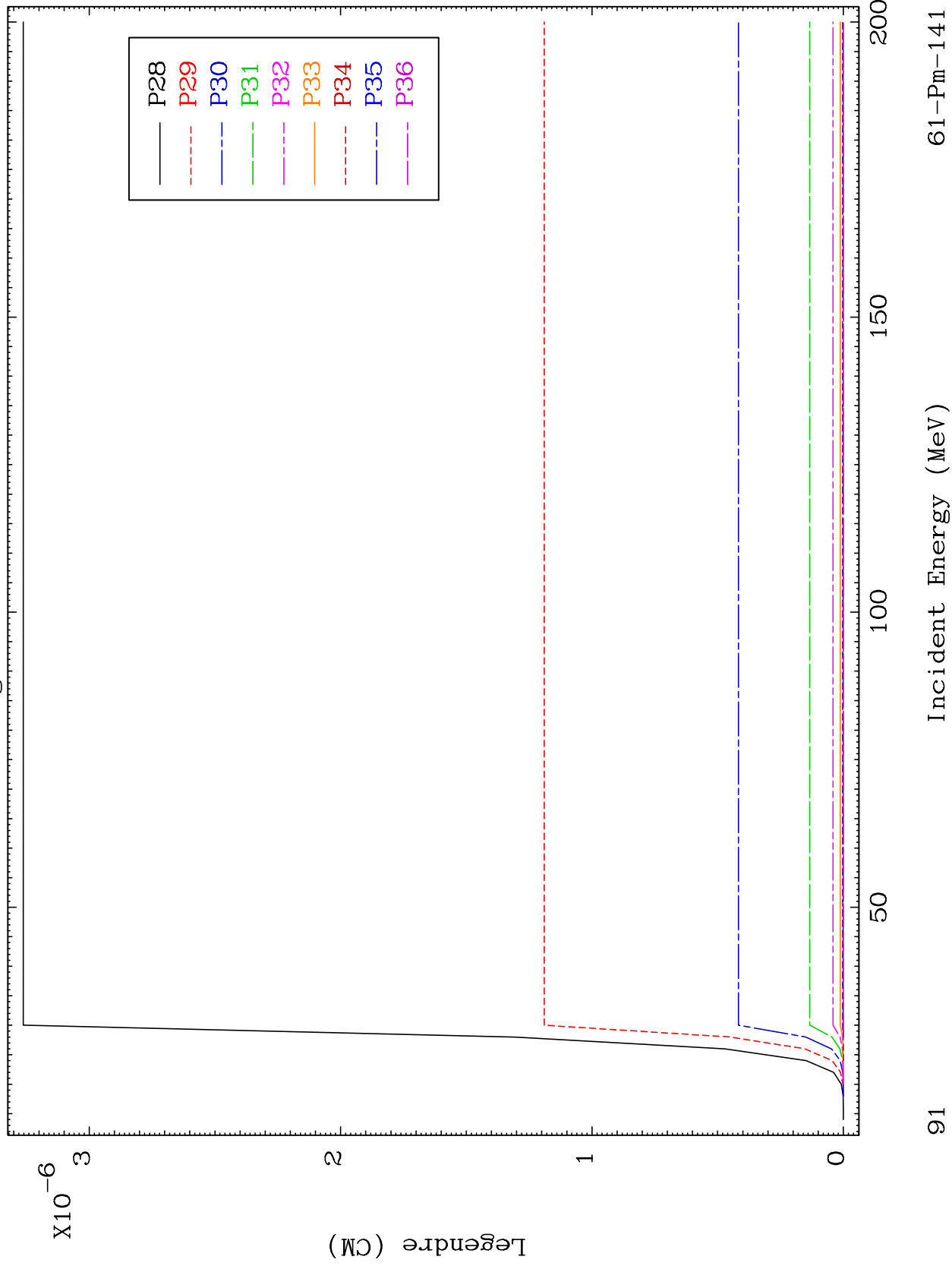
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

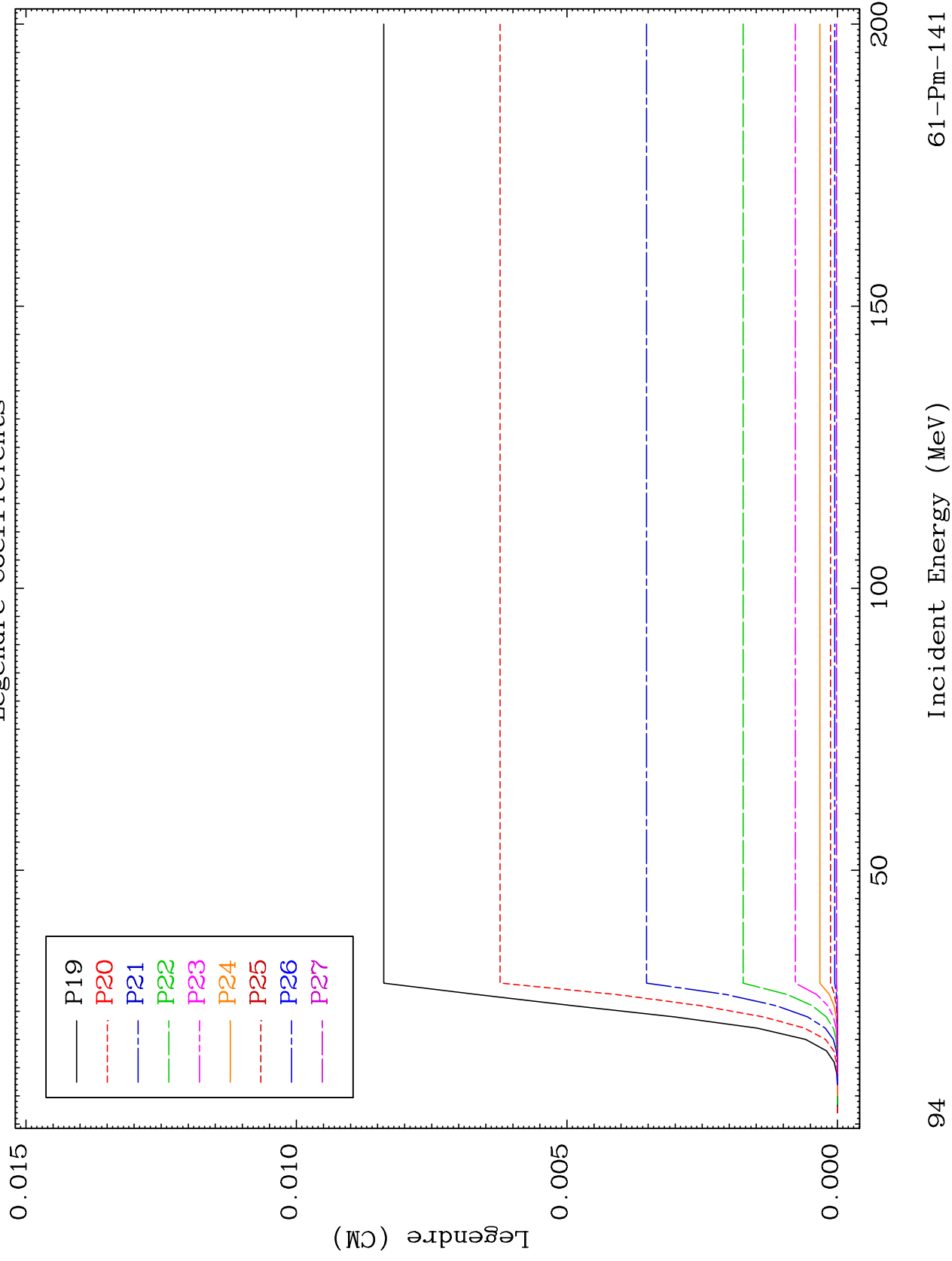
61-Pm-141



MAT 6131

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

61-Pm-141



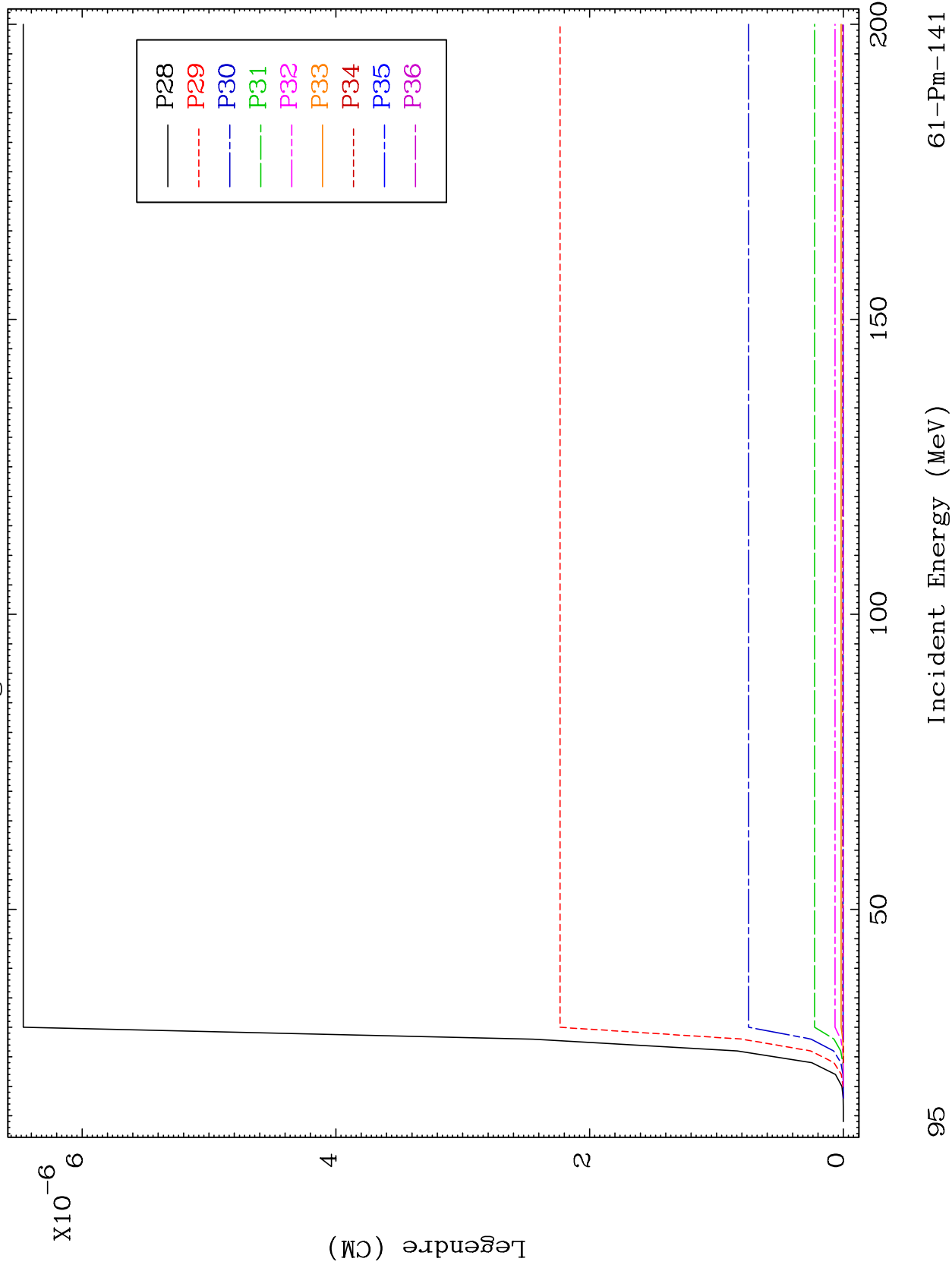
94

61-Pm-141

MAT 6131

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

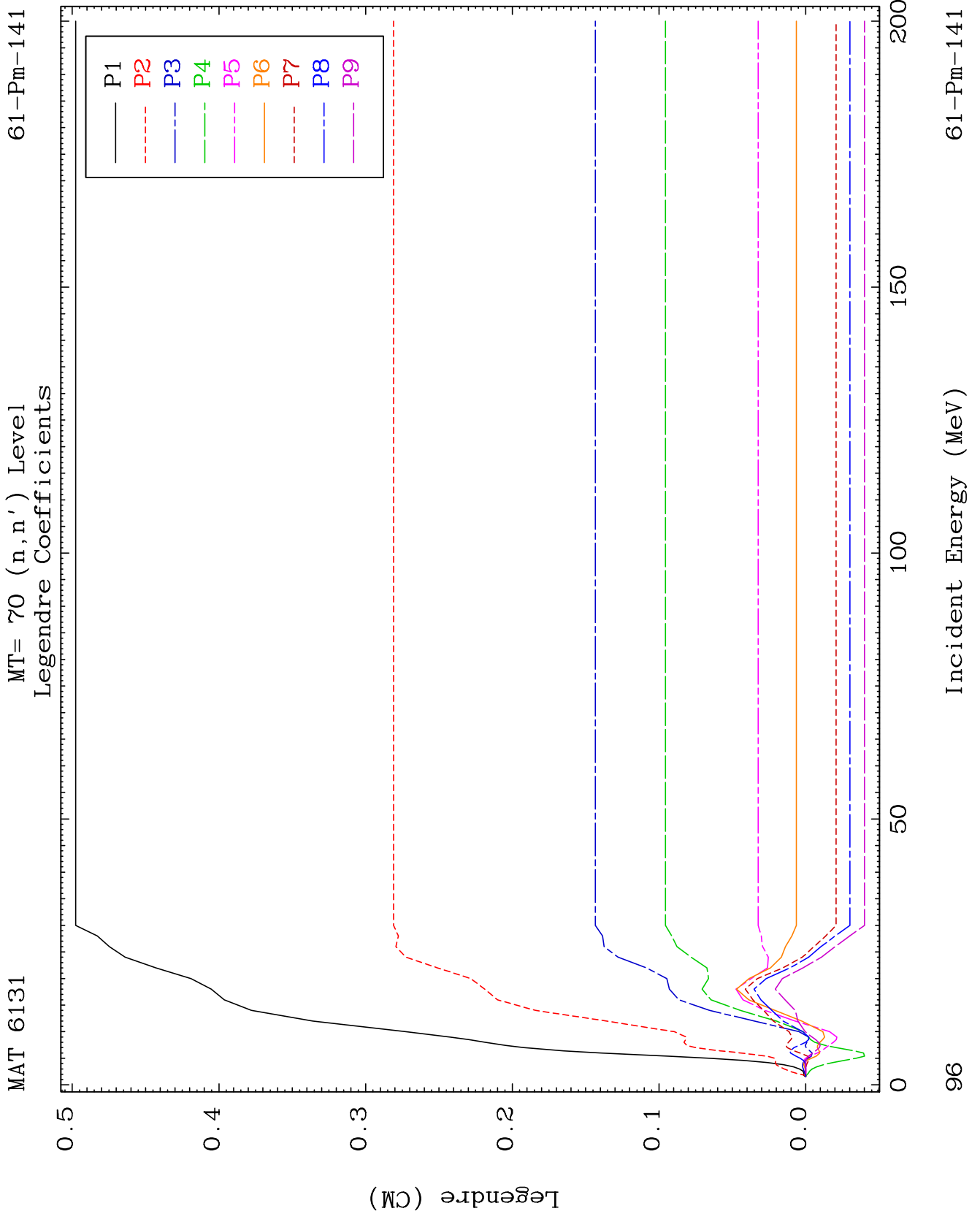
61-Pm-141

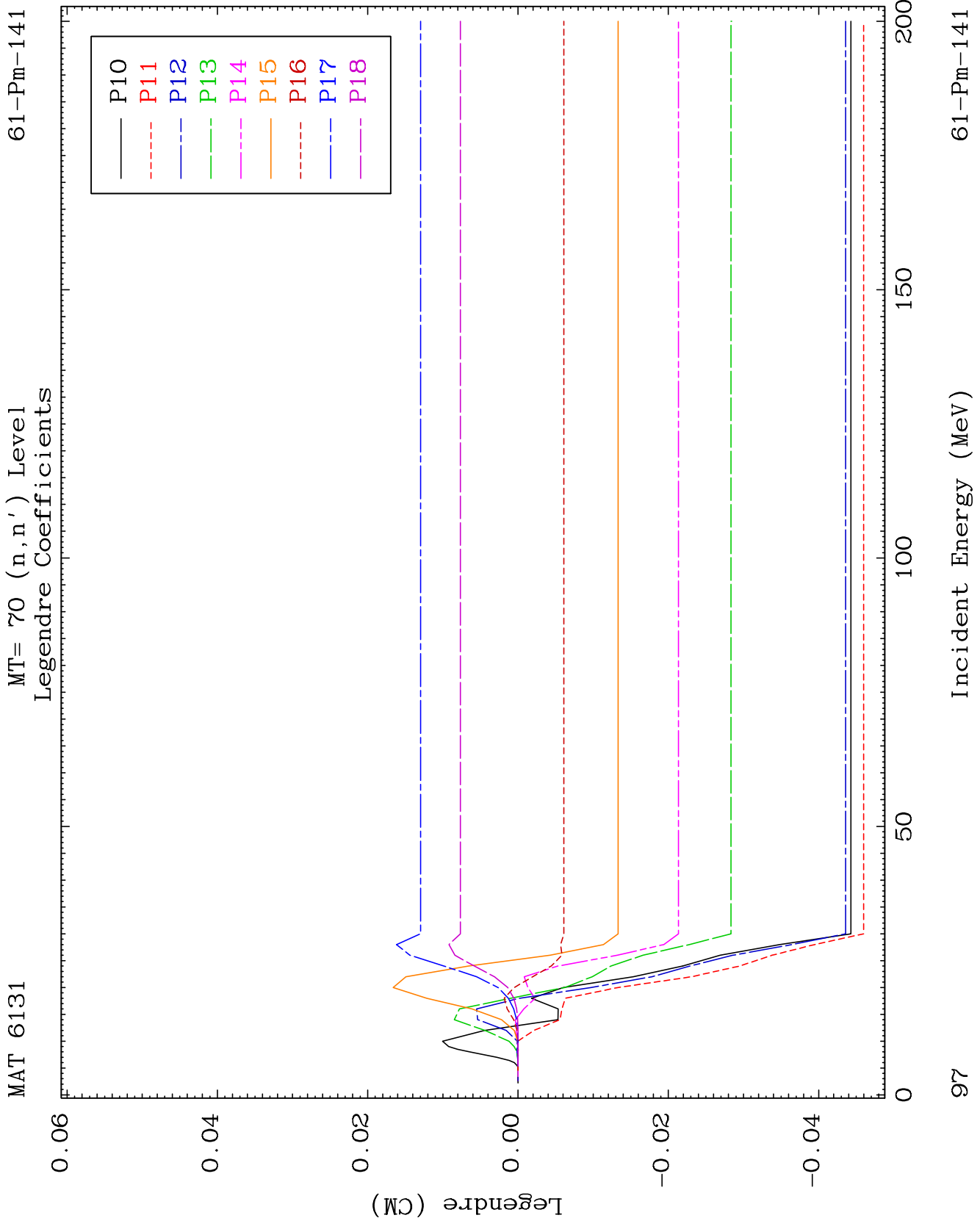


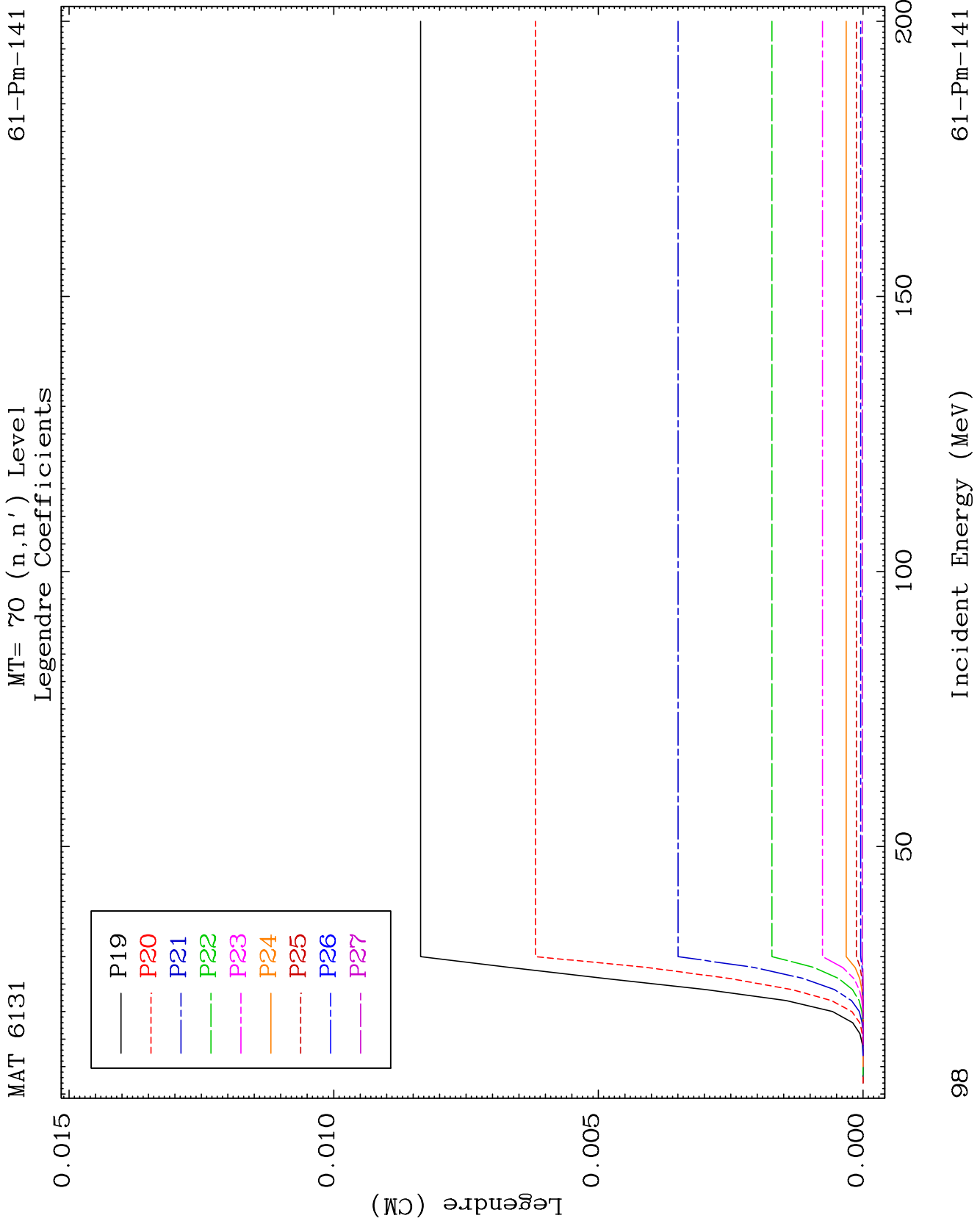
95

Incident Energy (MeV)

61-Pm-141



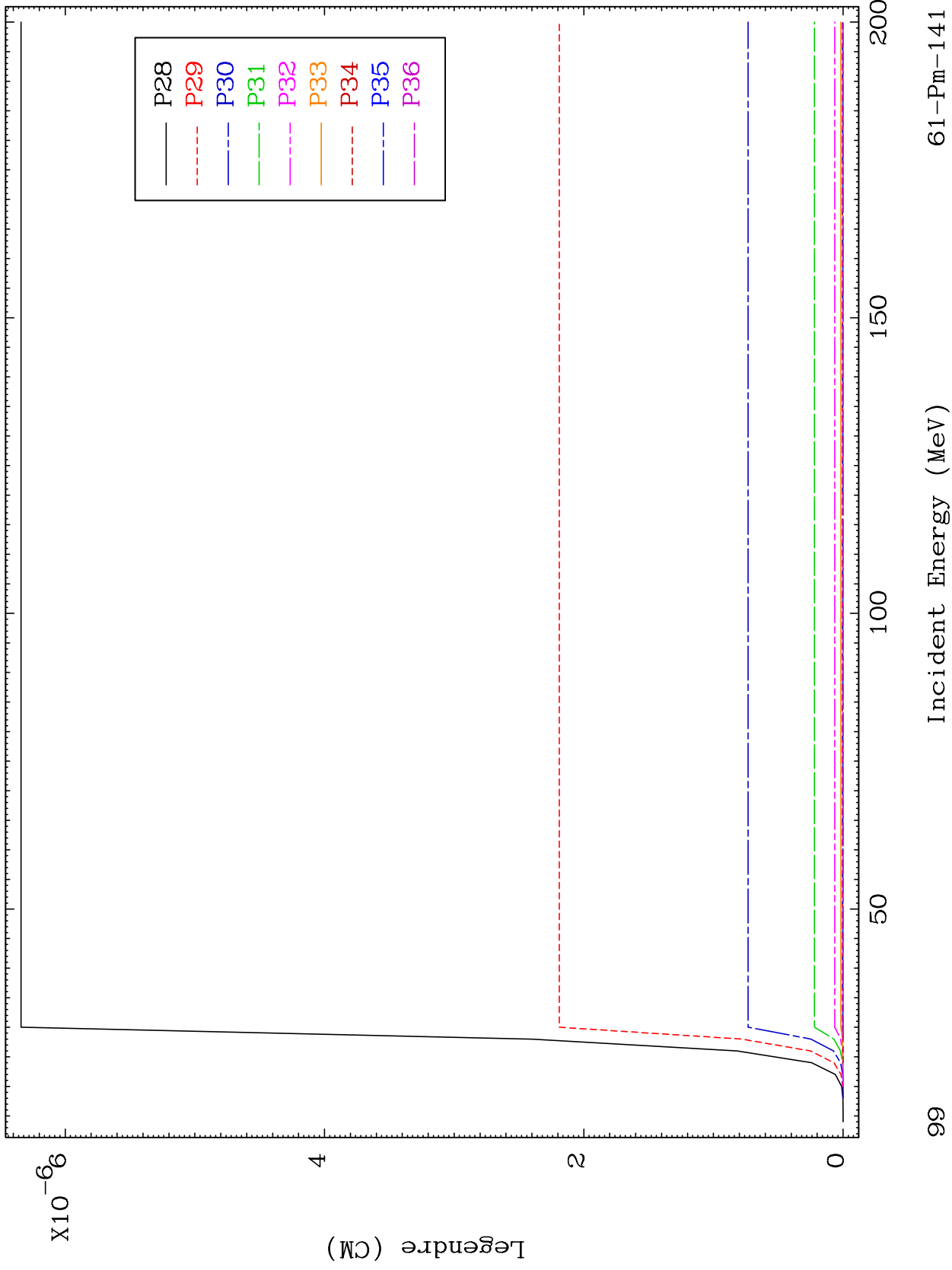




MAT 6131

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

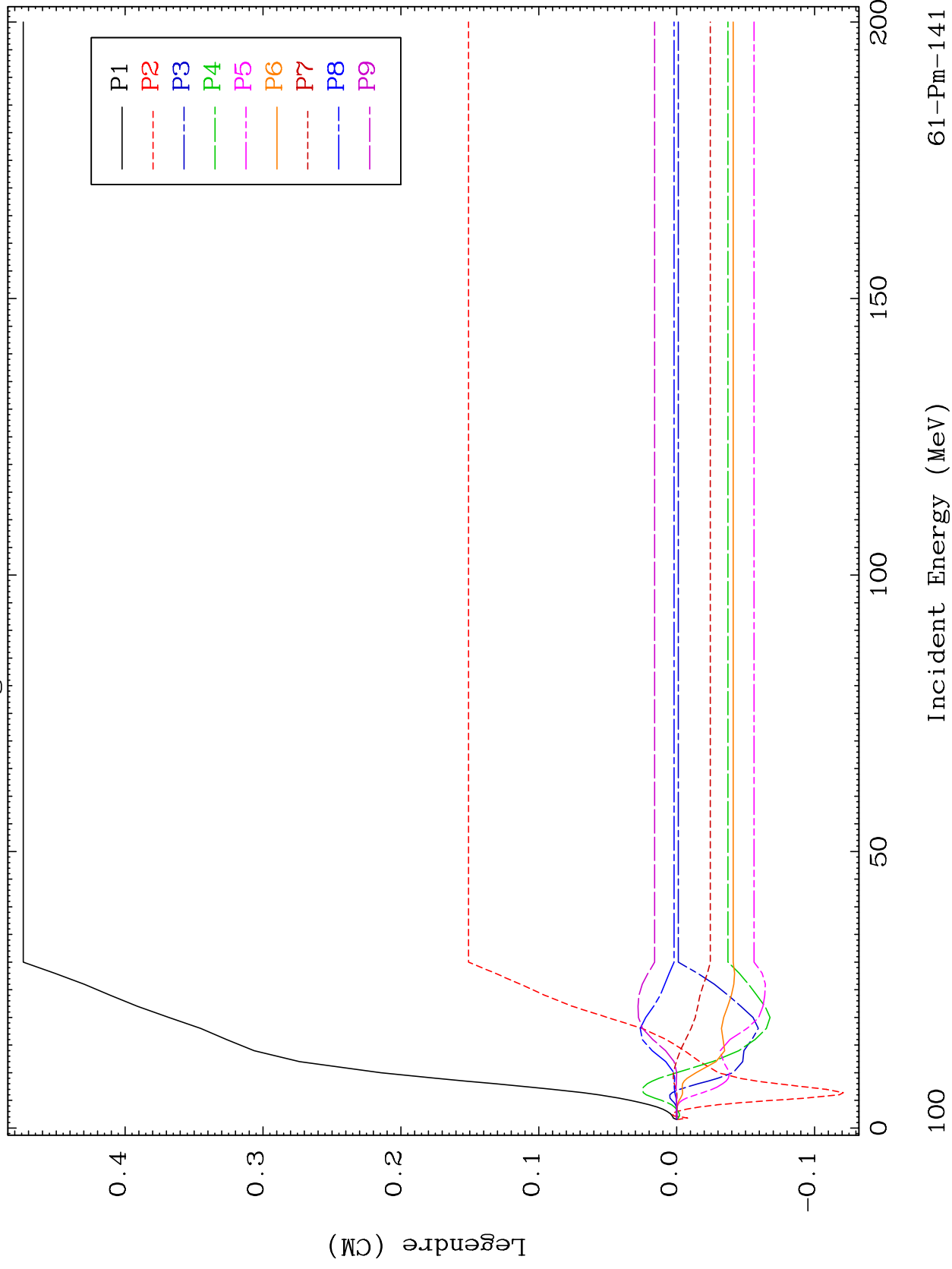
61-Pm-141



MAT 6131

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

61-Pm-141

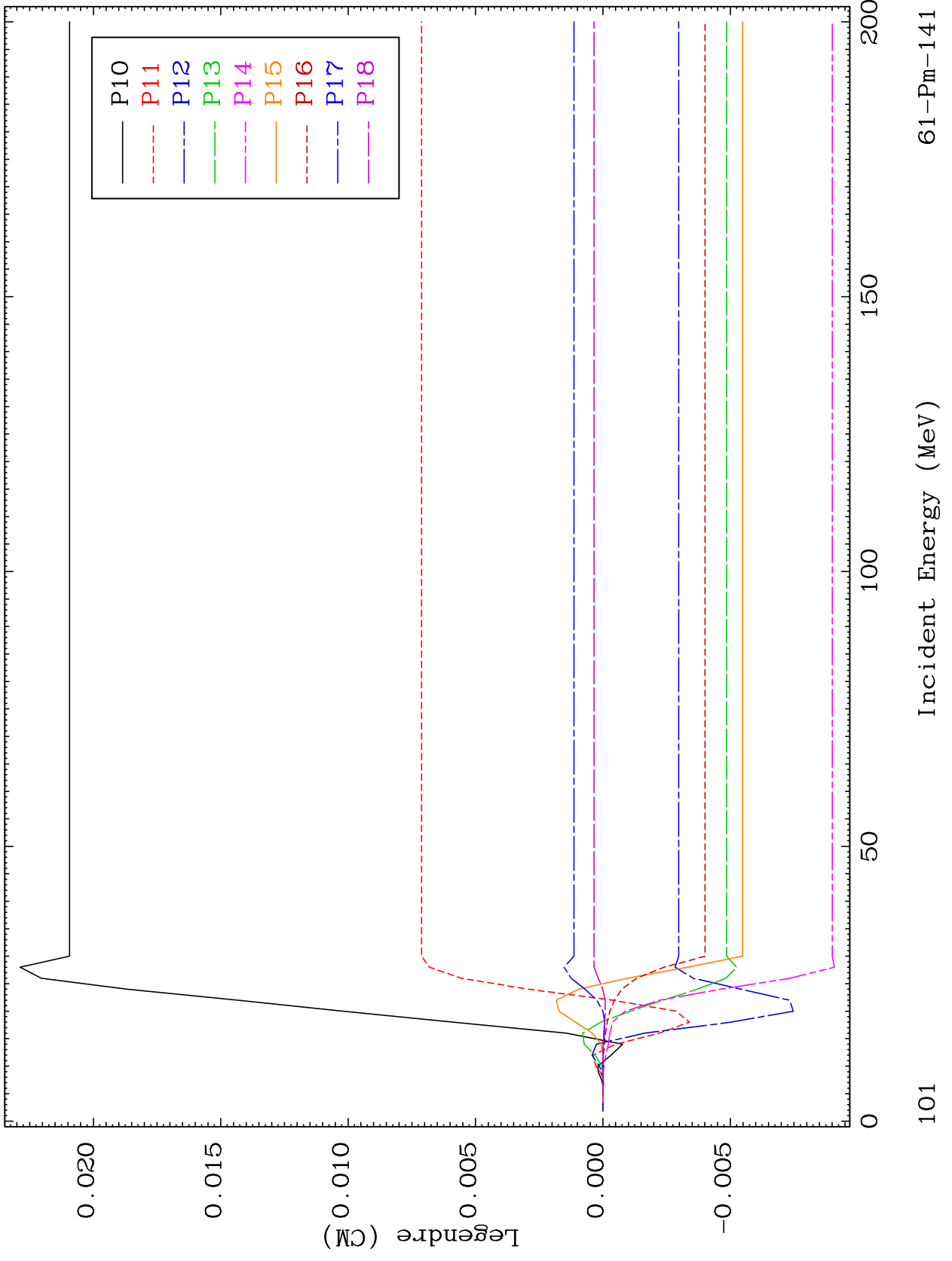


61-Pm-141

MAT 6131

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

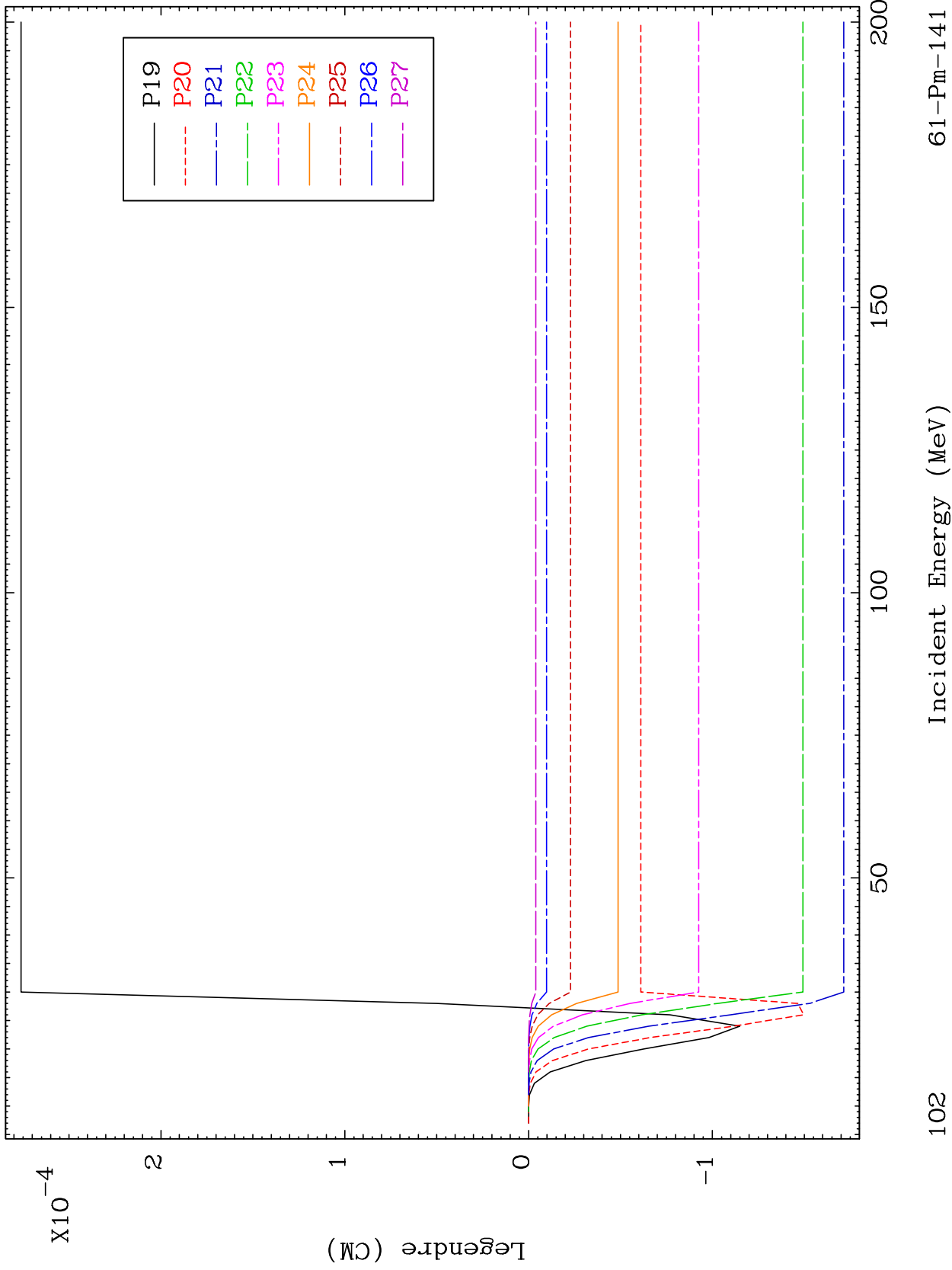
61-Pm-141

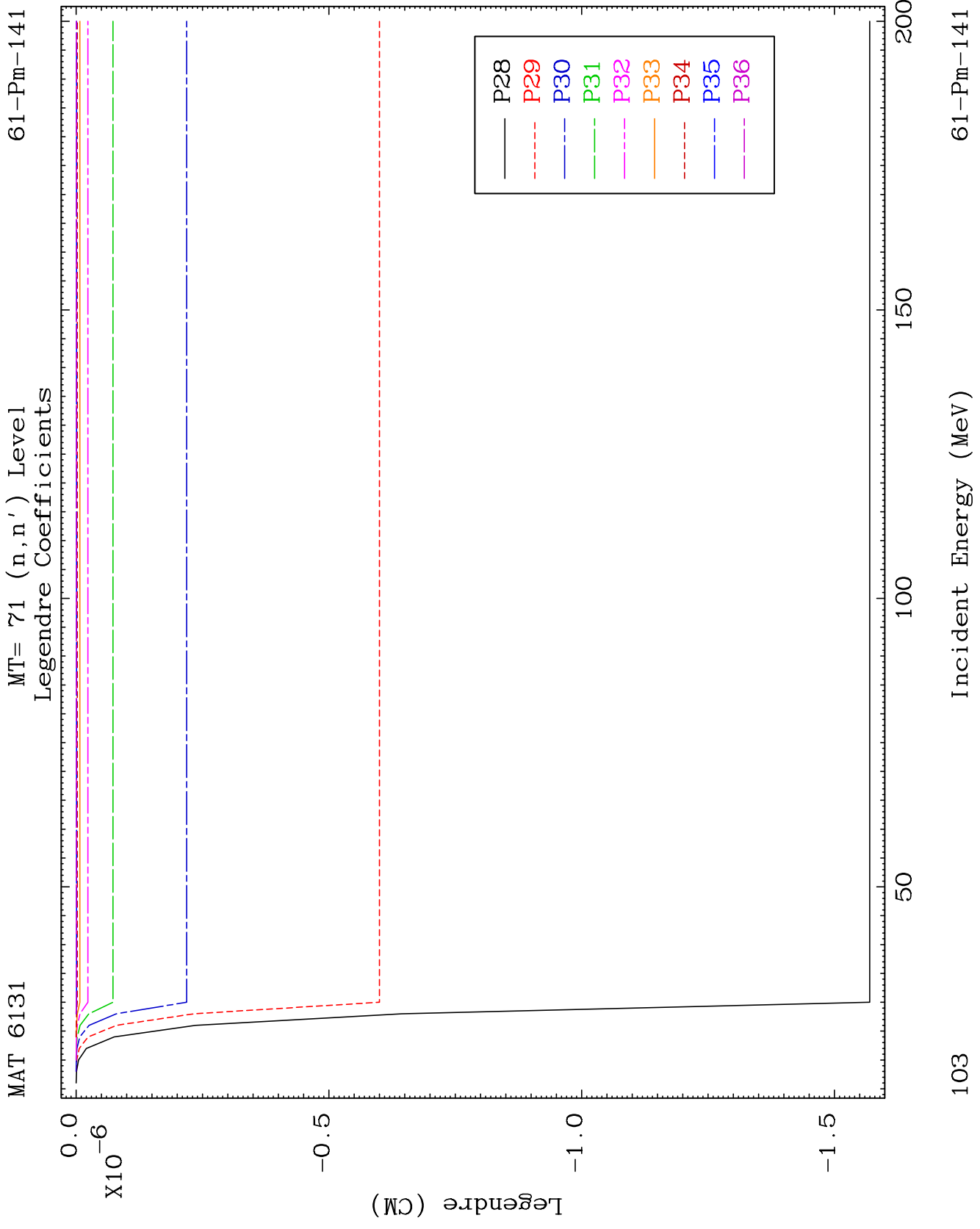


101

Incident Energy (MeV)

61-Pm-141

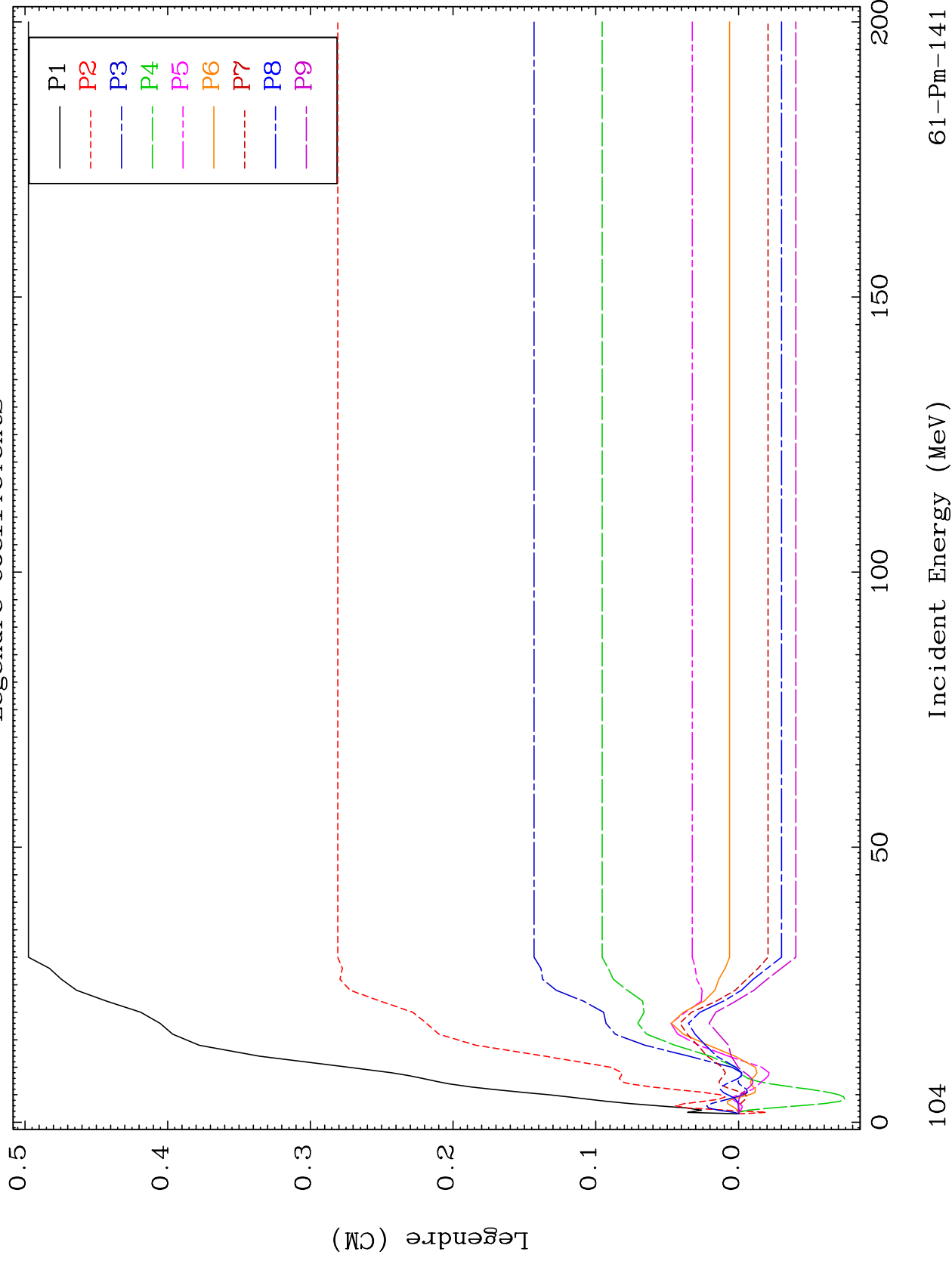




MAT 6131

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

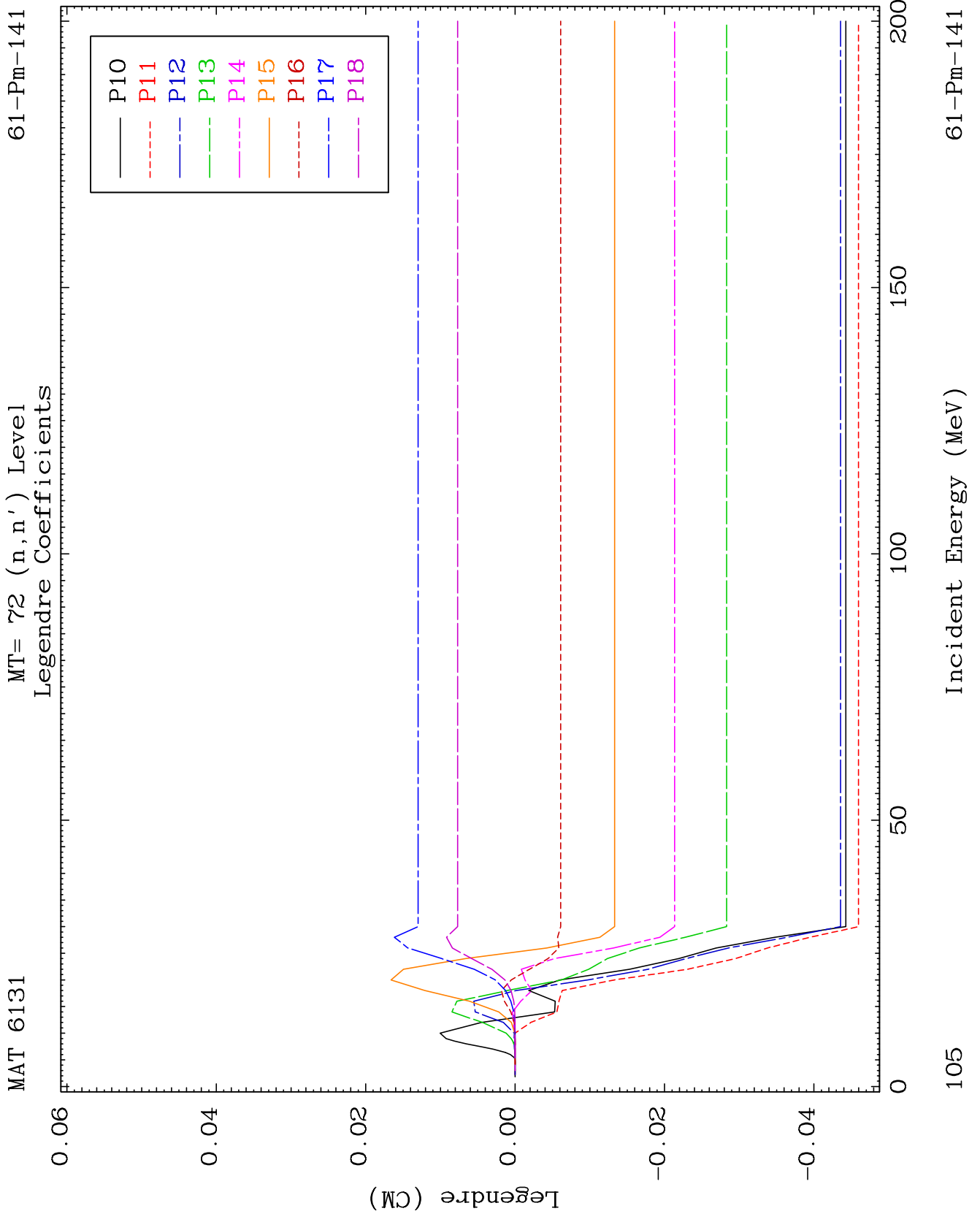
61-Pm-141



61-Pm-141

Incident Energy (MeV)

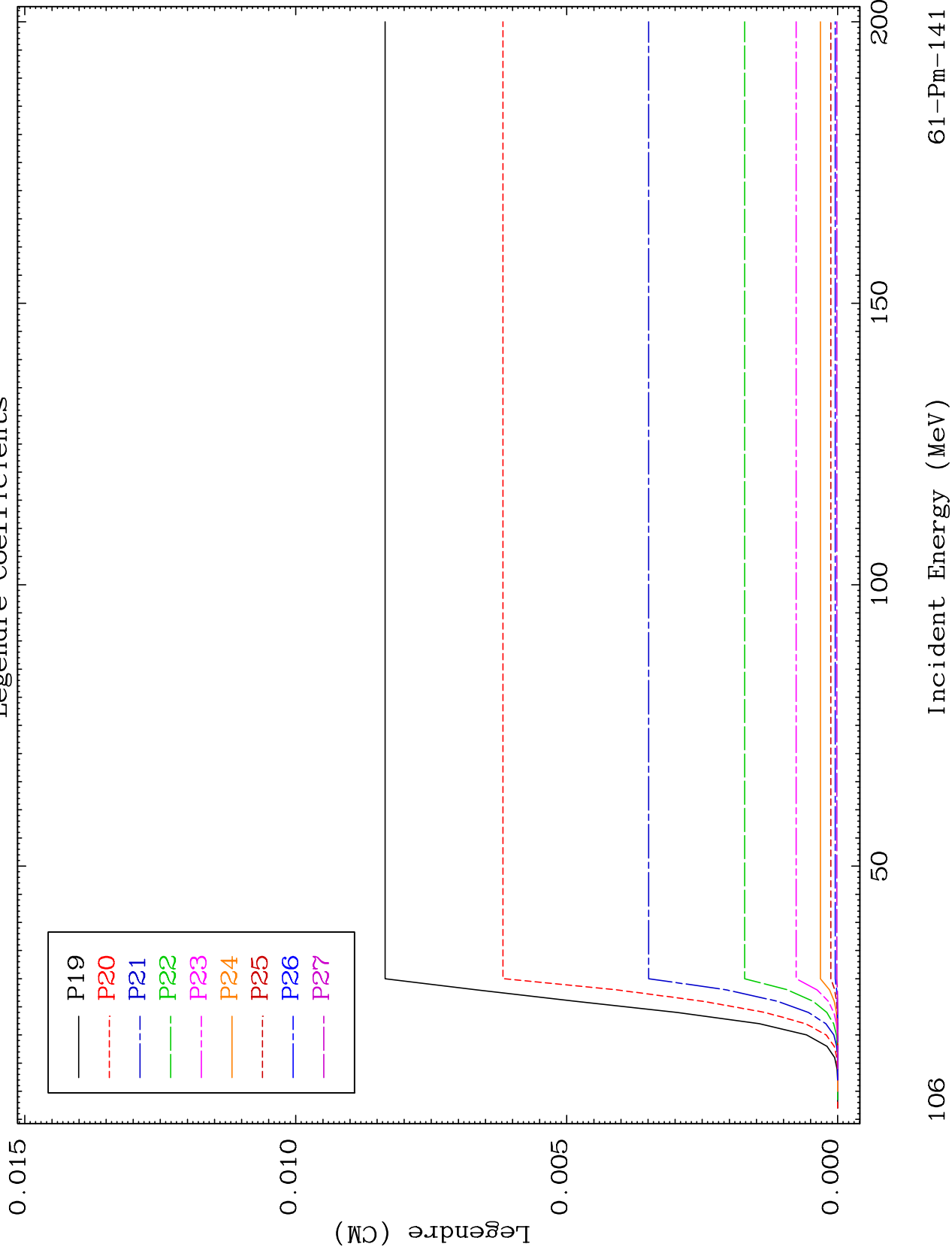
104



MAT 6131

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

61-Pm-141



106

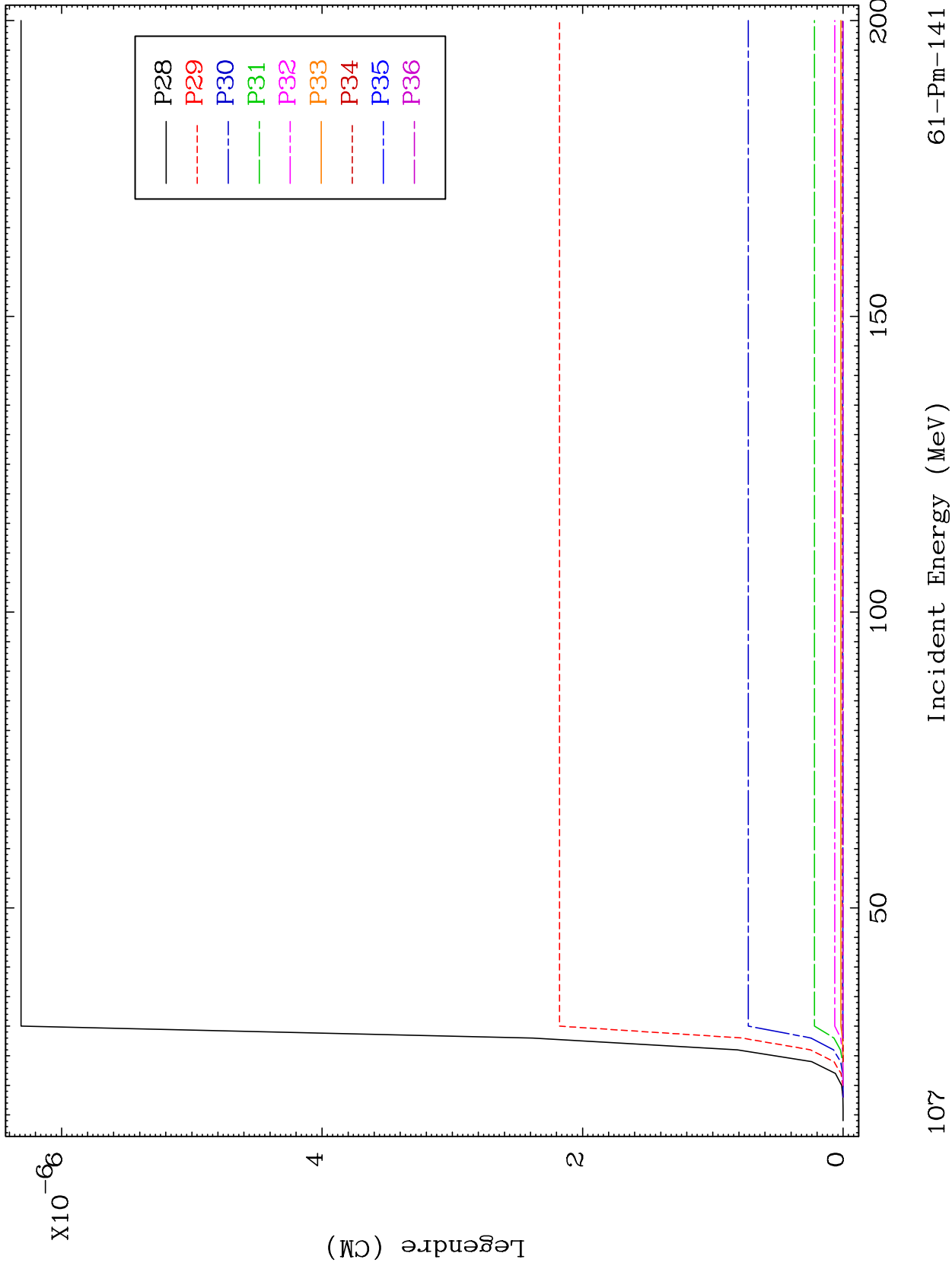
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



107

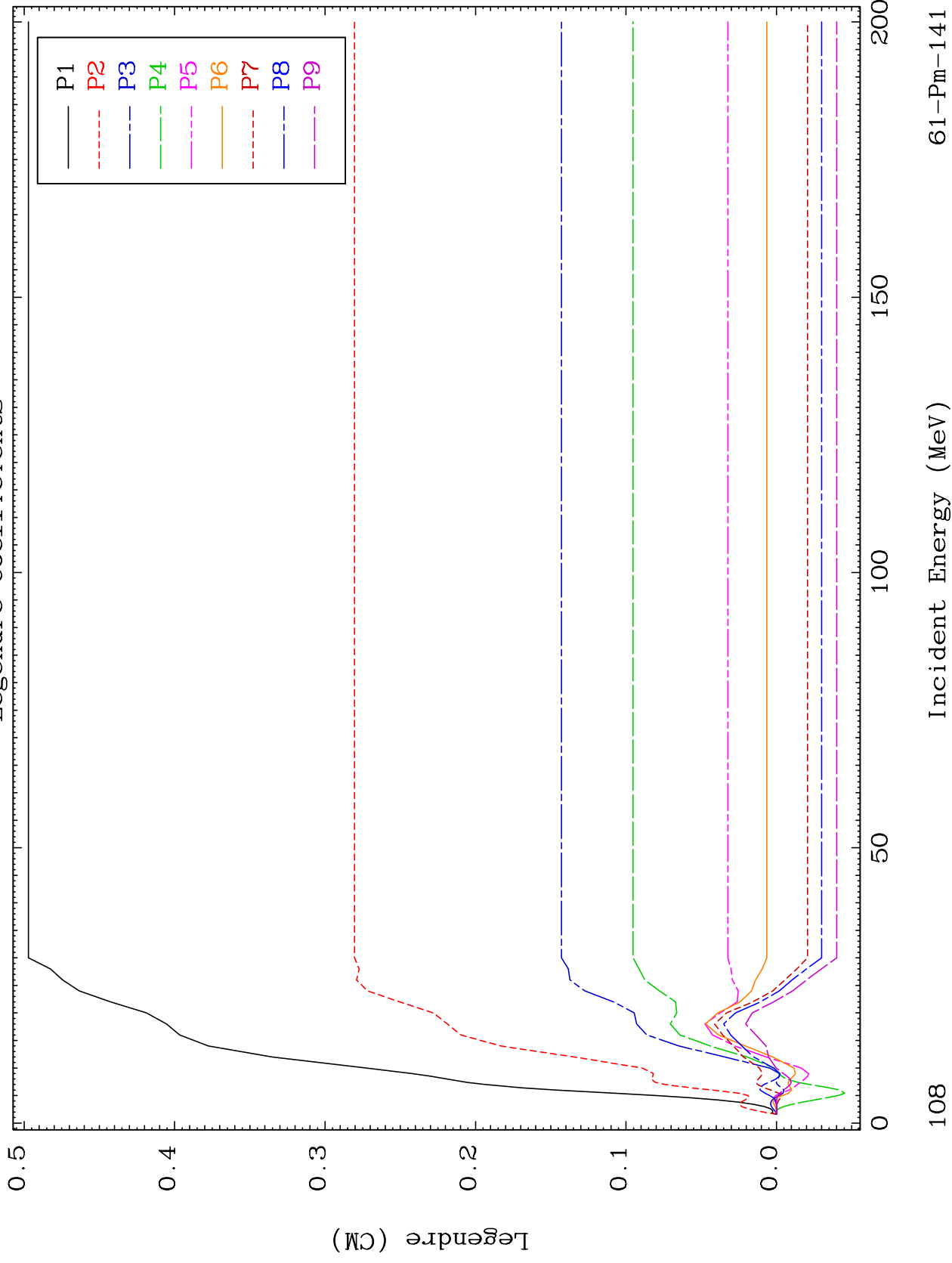
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

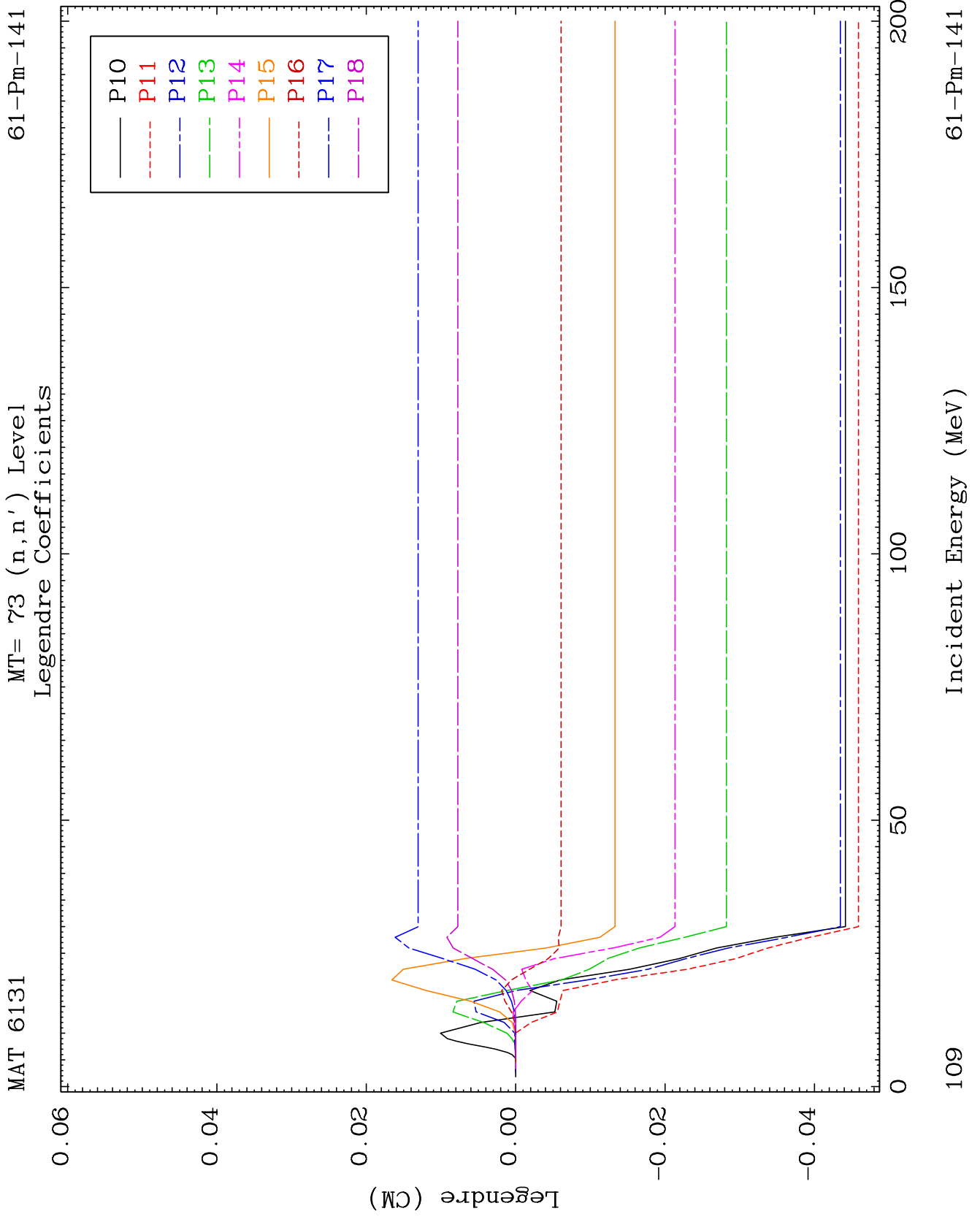
61-Pm-141

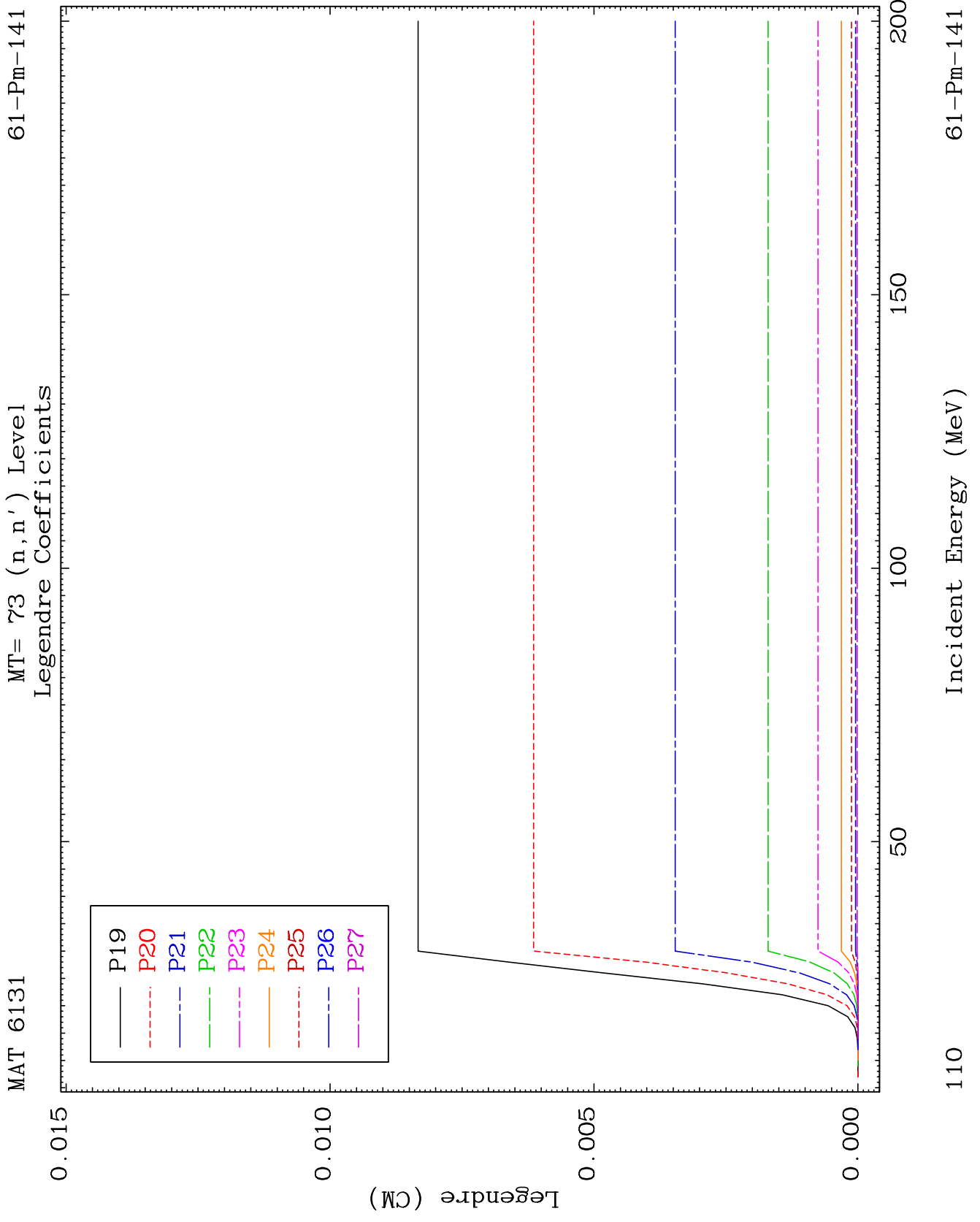


61-Pm-141

Incident Energy (MeV)

108

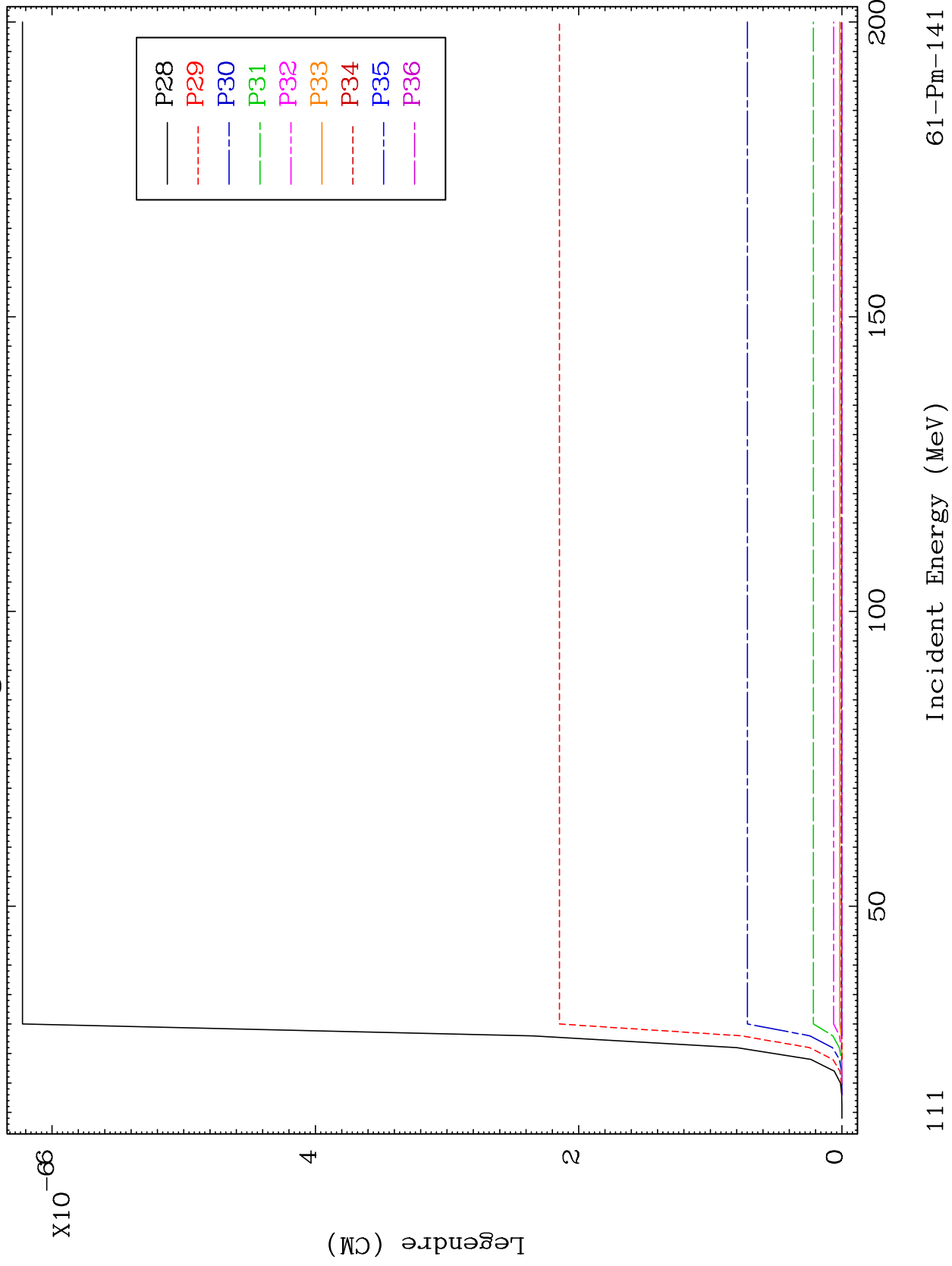




MAT 6131

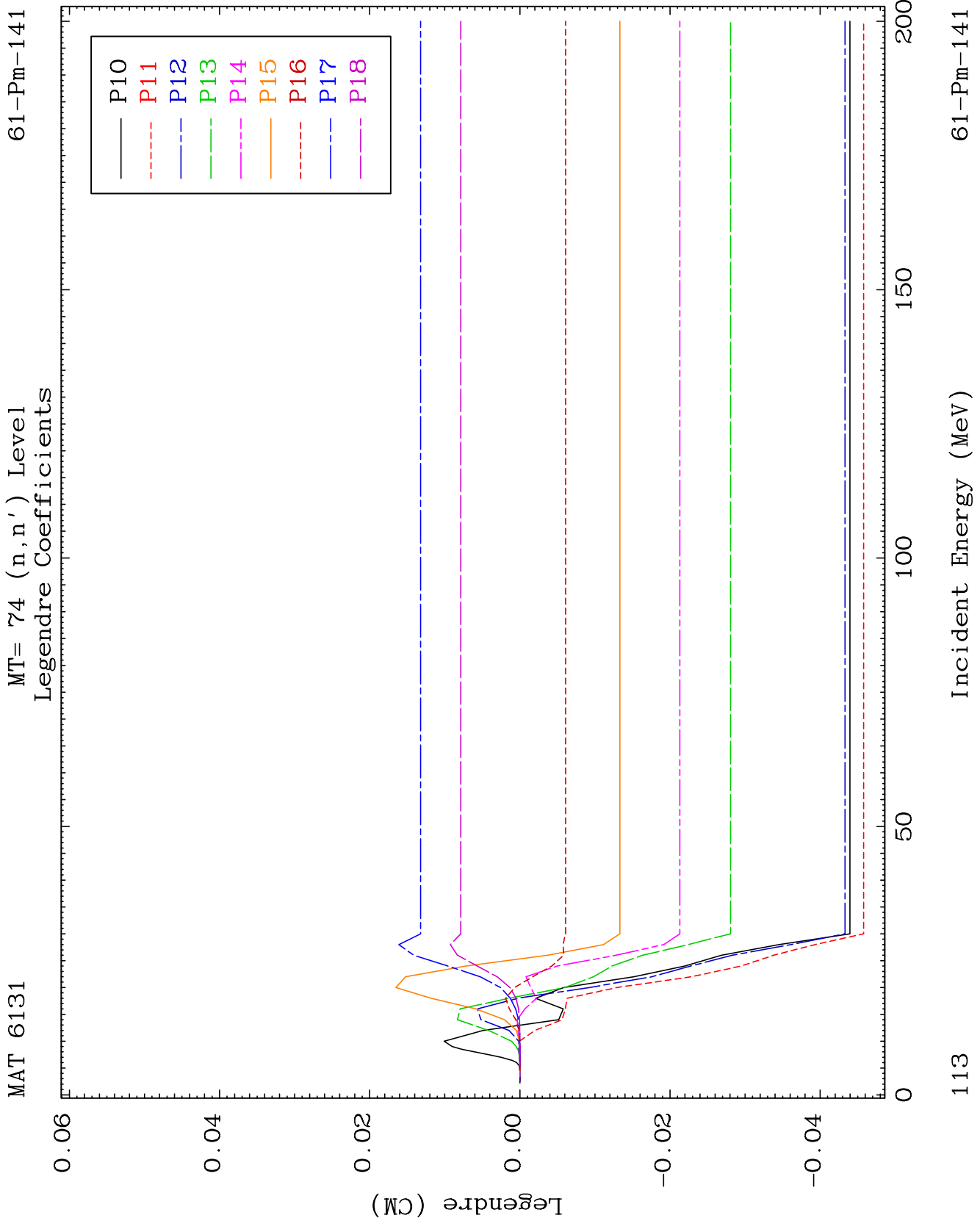
MT= 73 (n,n') Level
Legendre Coefficients

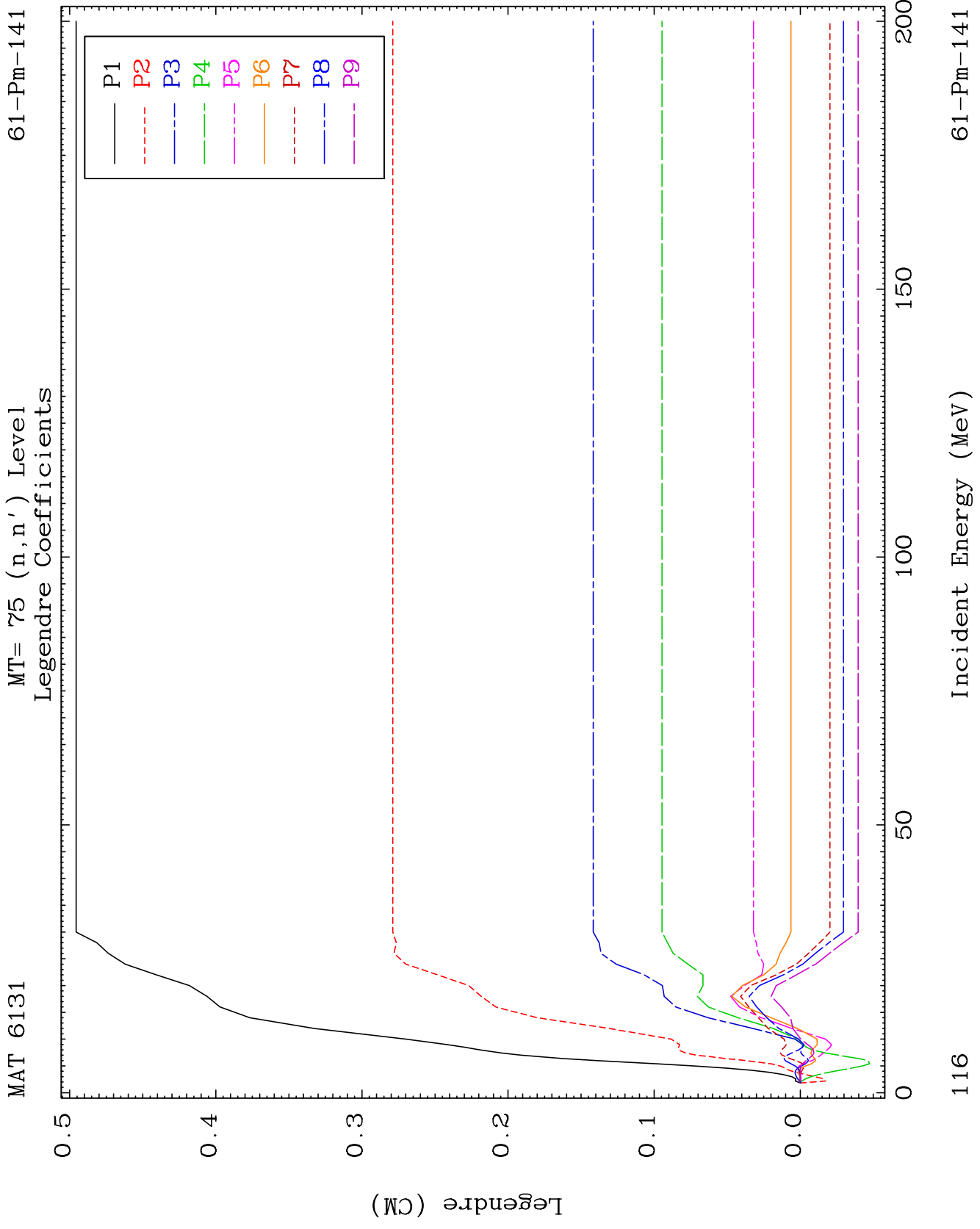
61-Pm-141

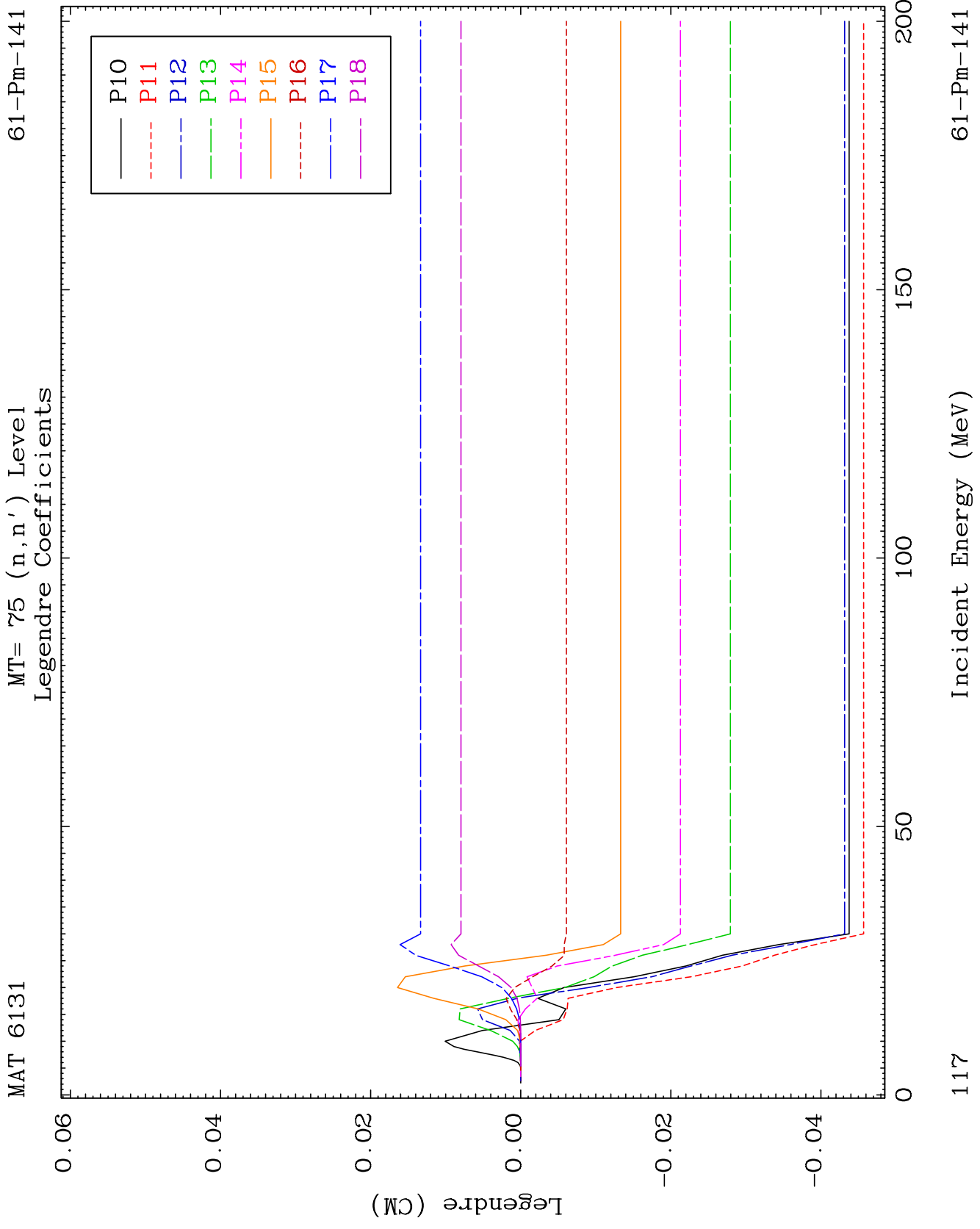


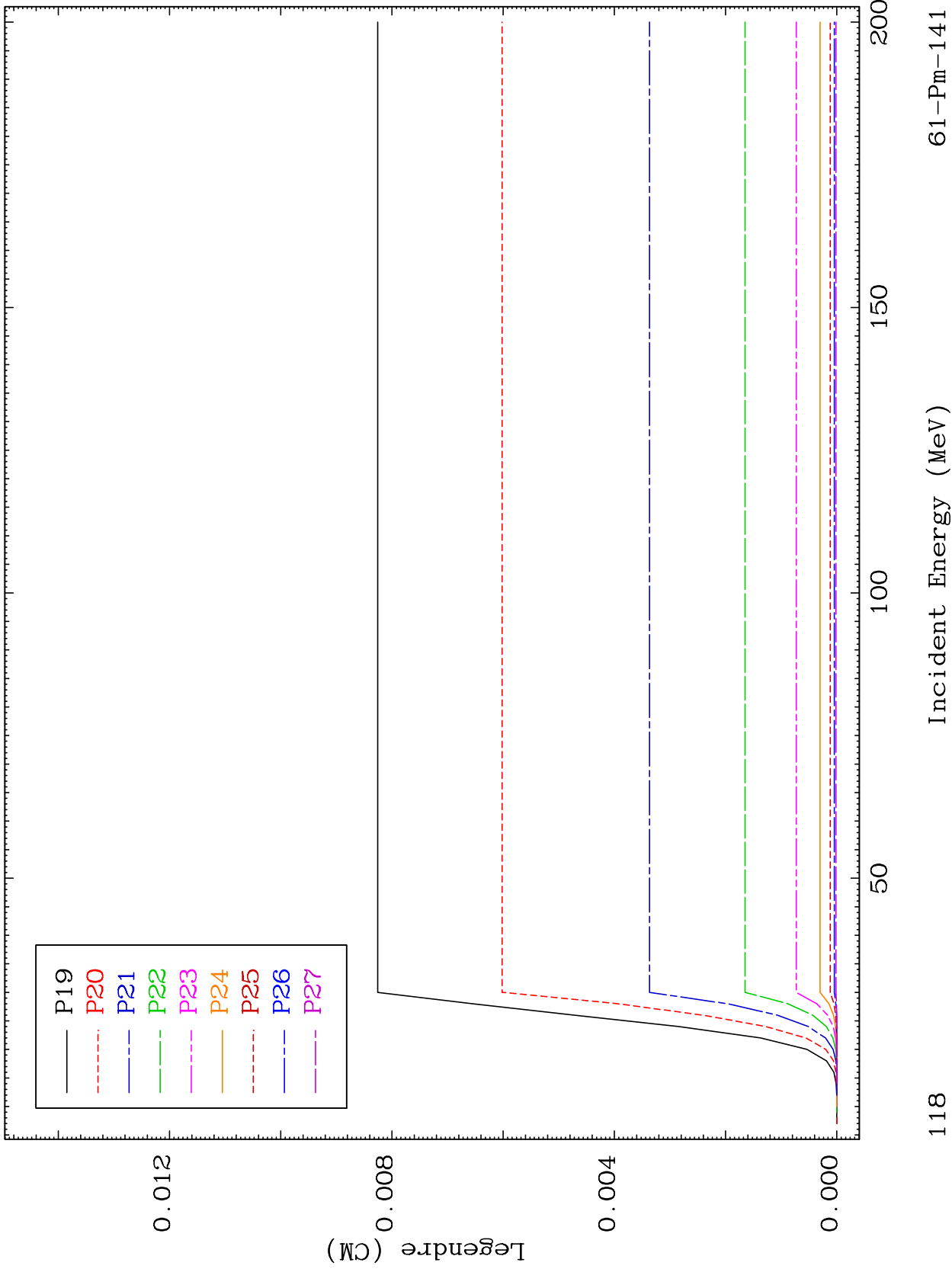
111

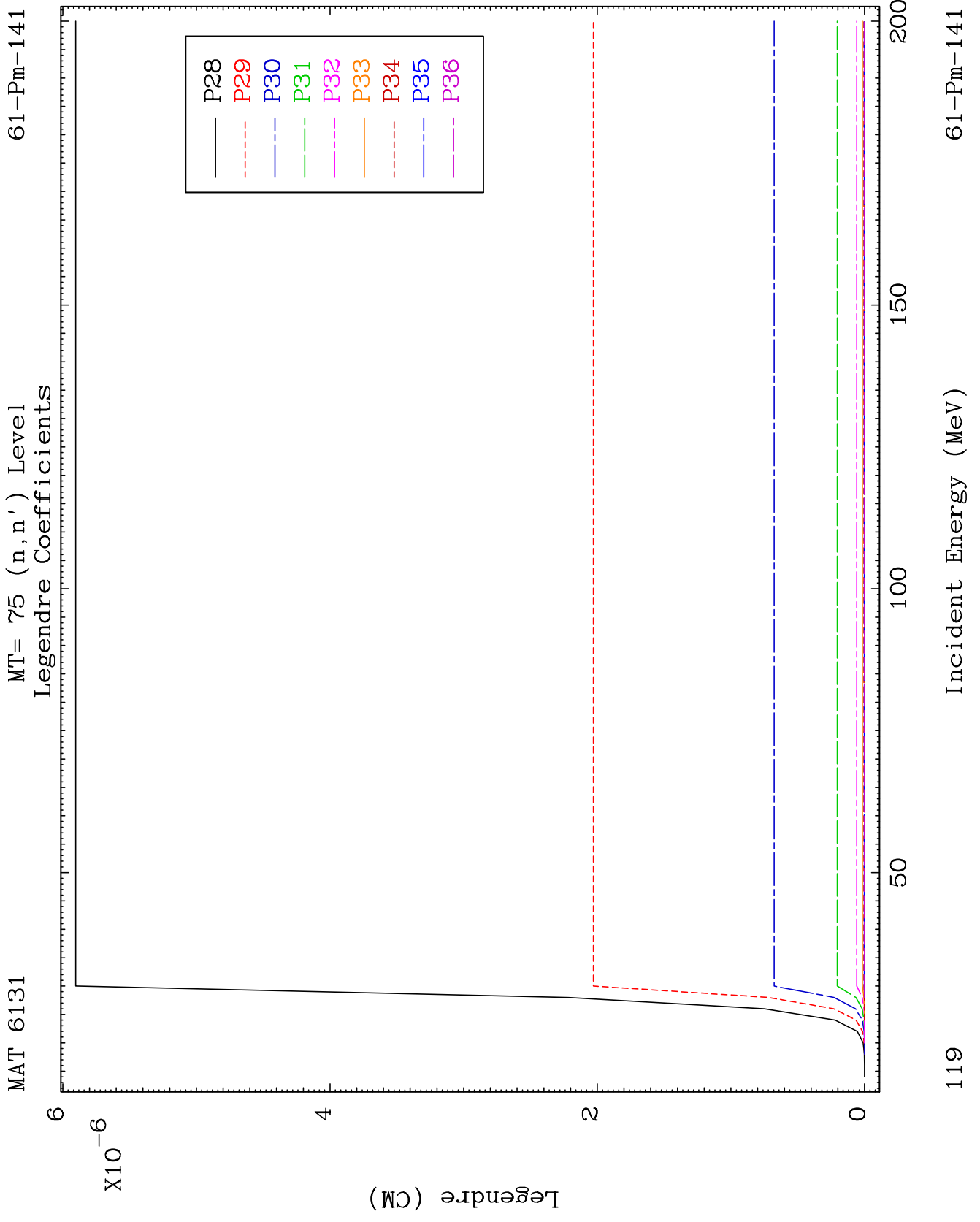
61-Pm-141

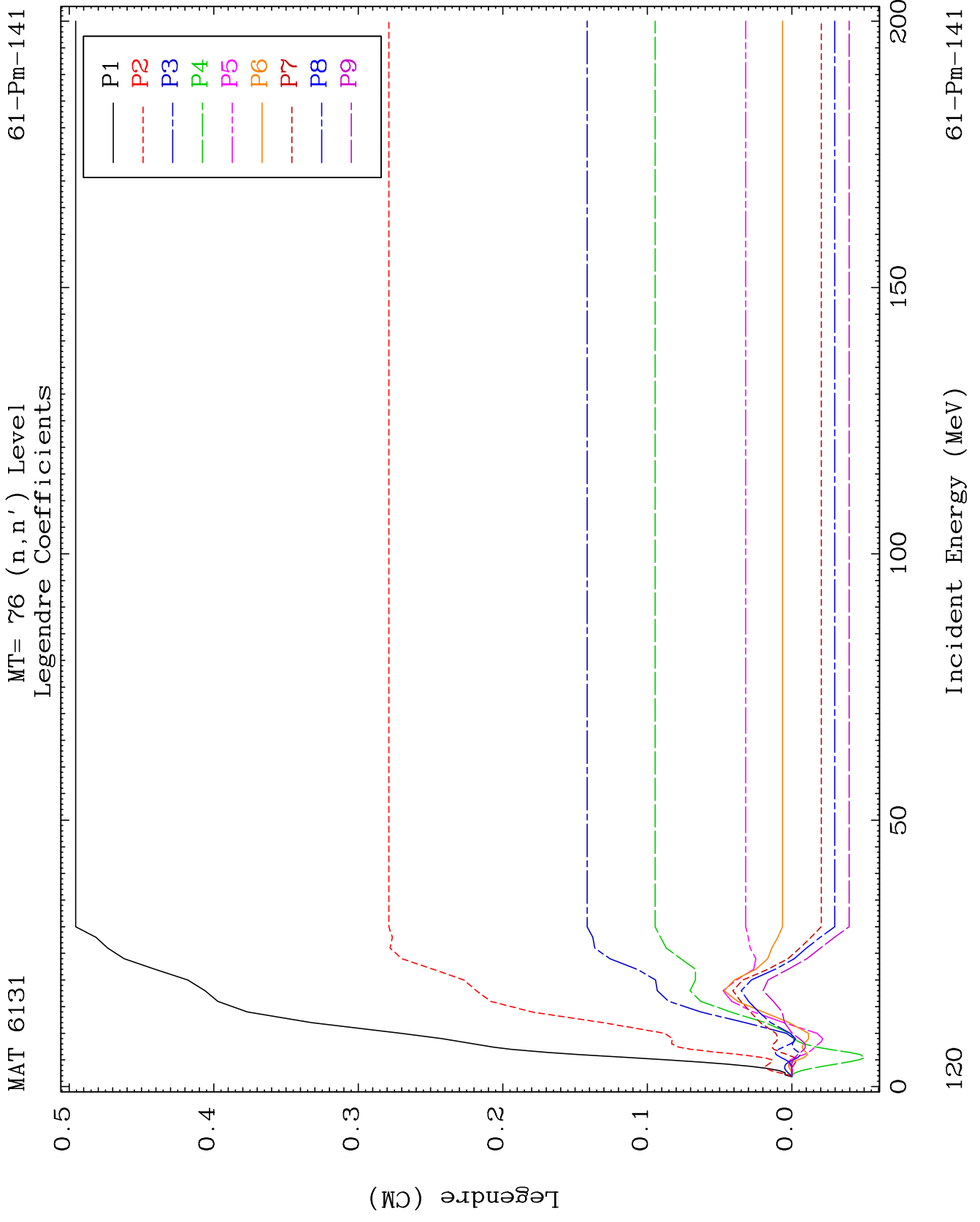


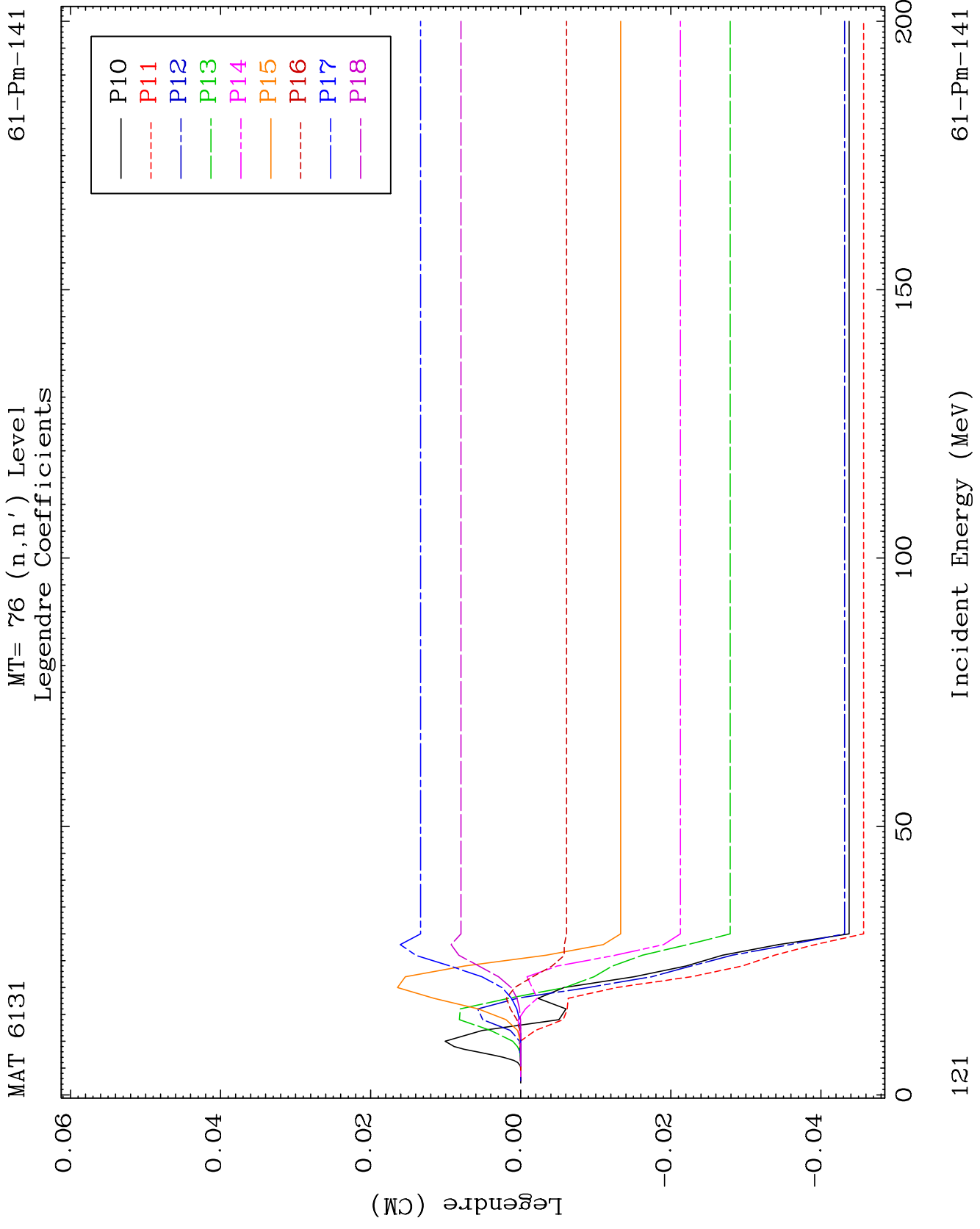








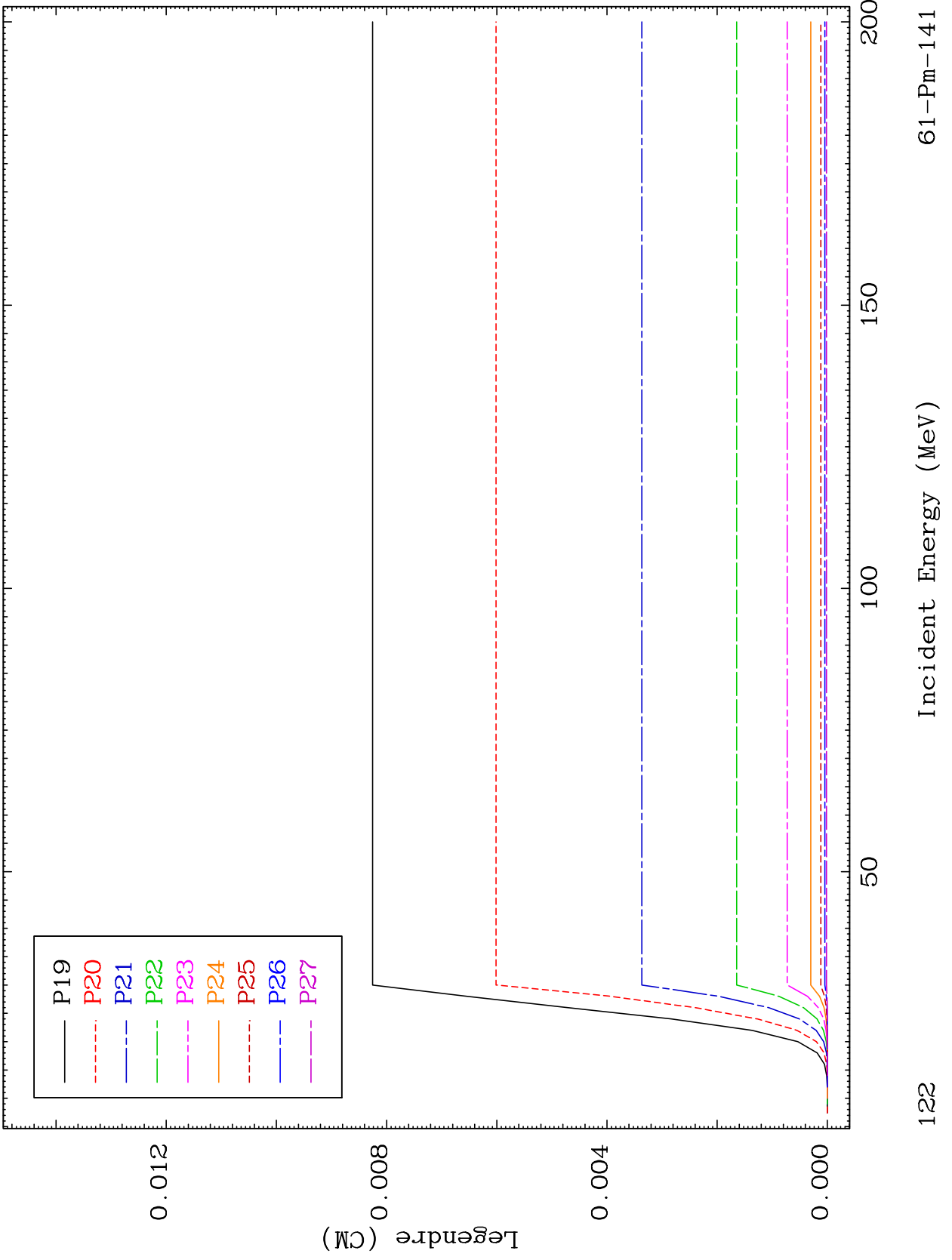


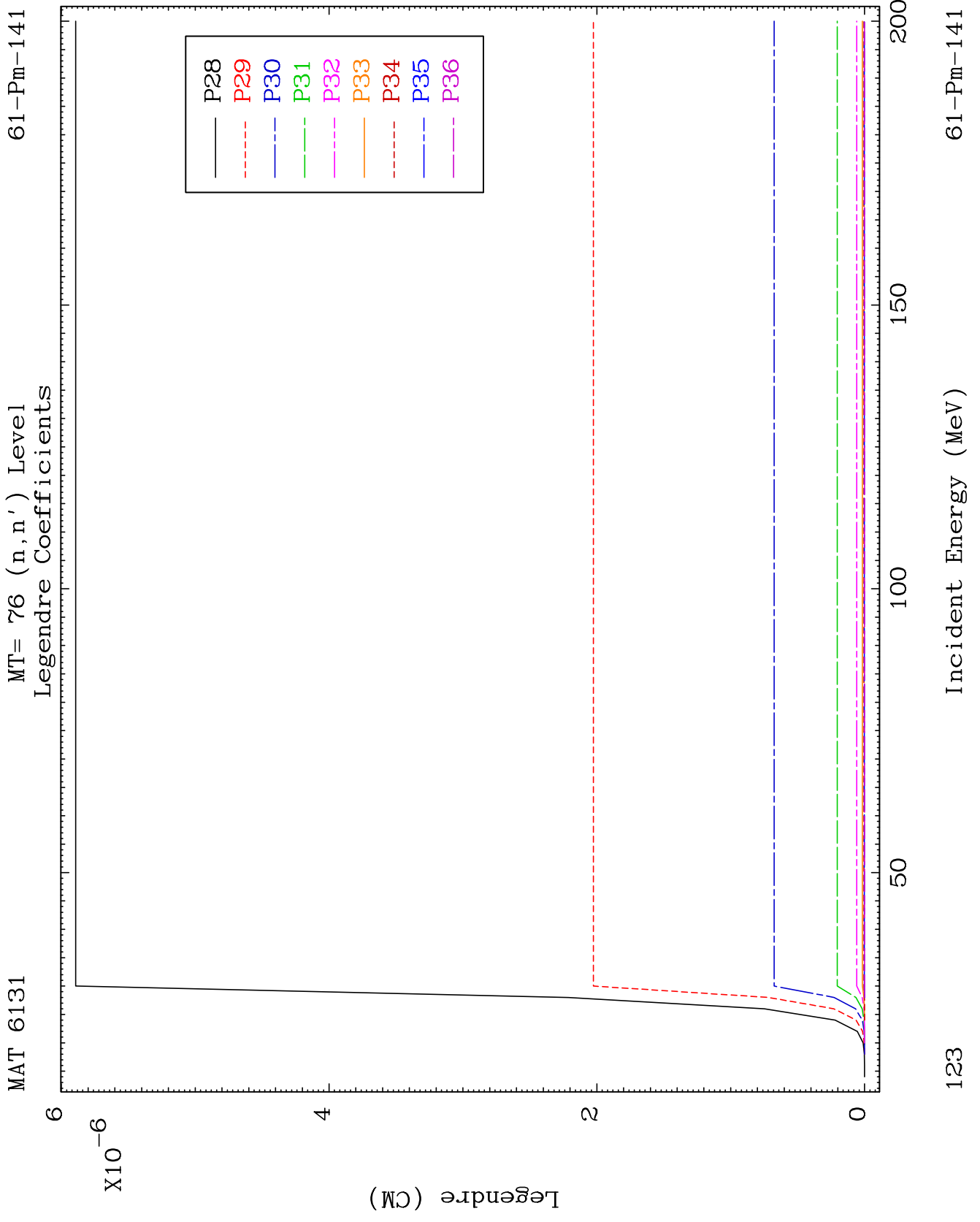


MAT 6131

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

61-Pm-141

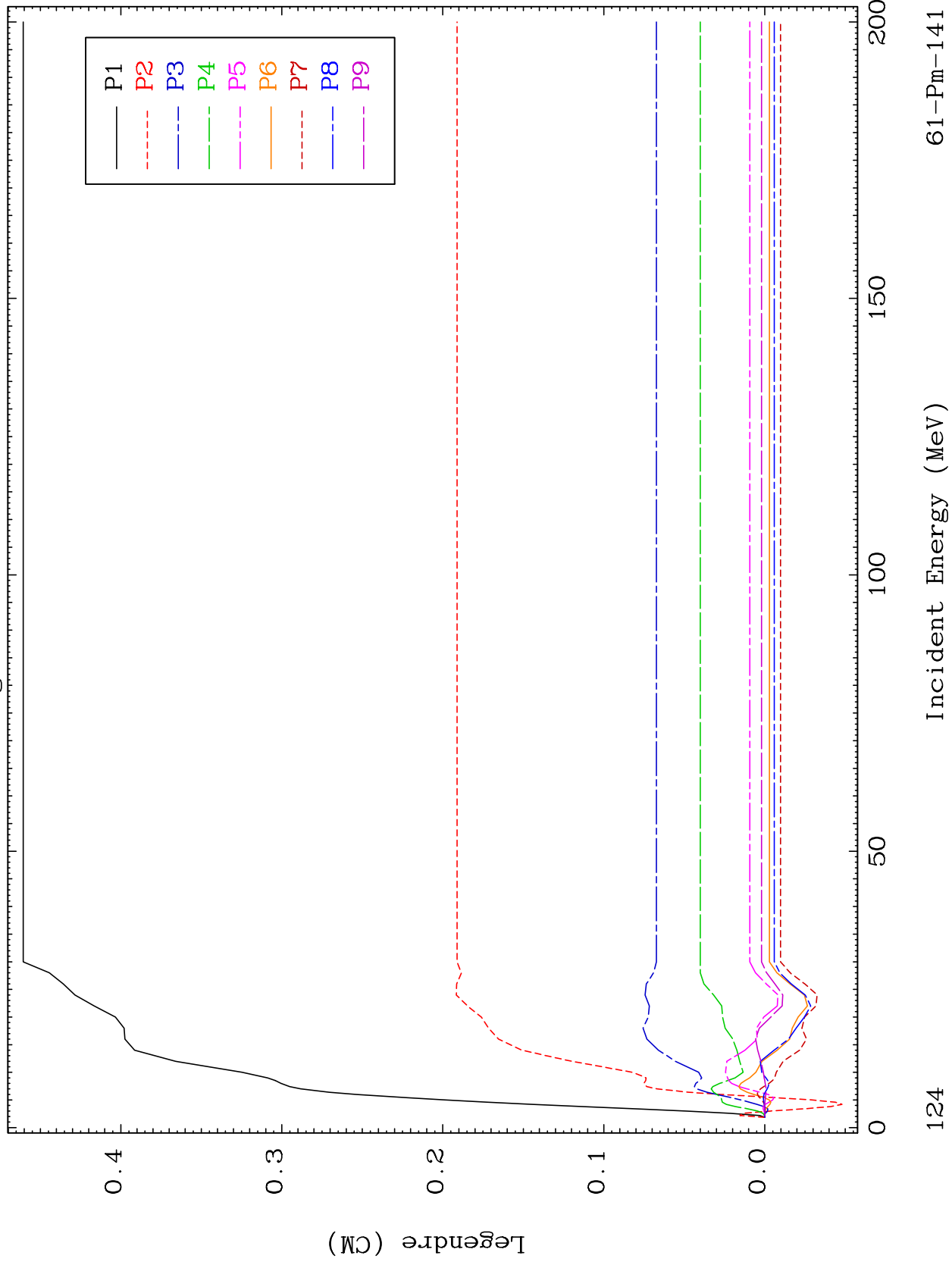




MAT 6131

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

61-Pm-141



124

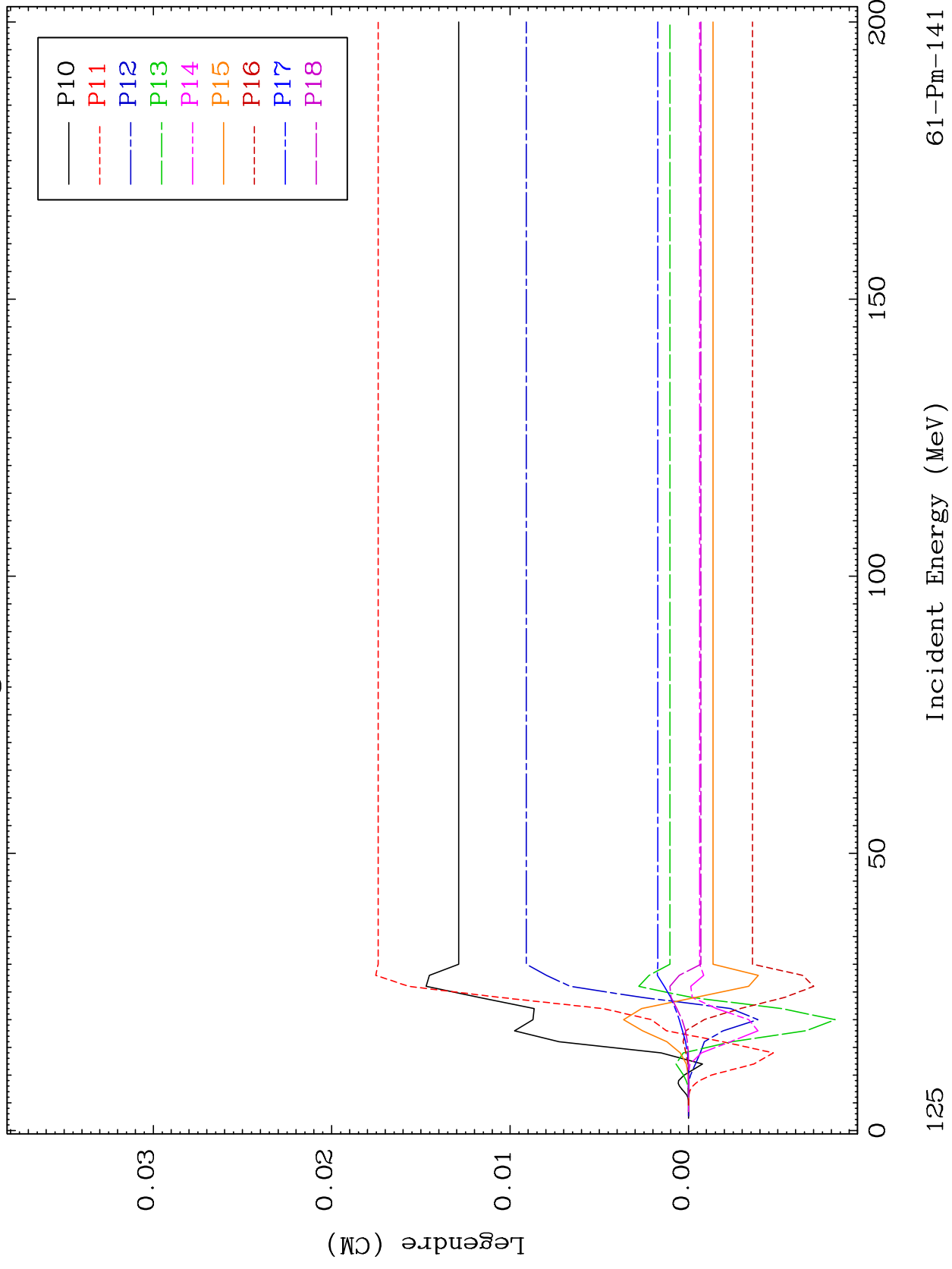
Incident Energy (MeV)

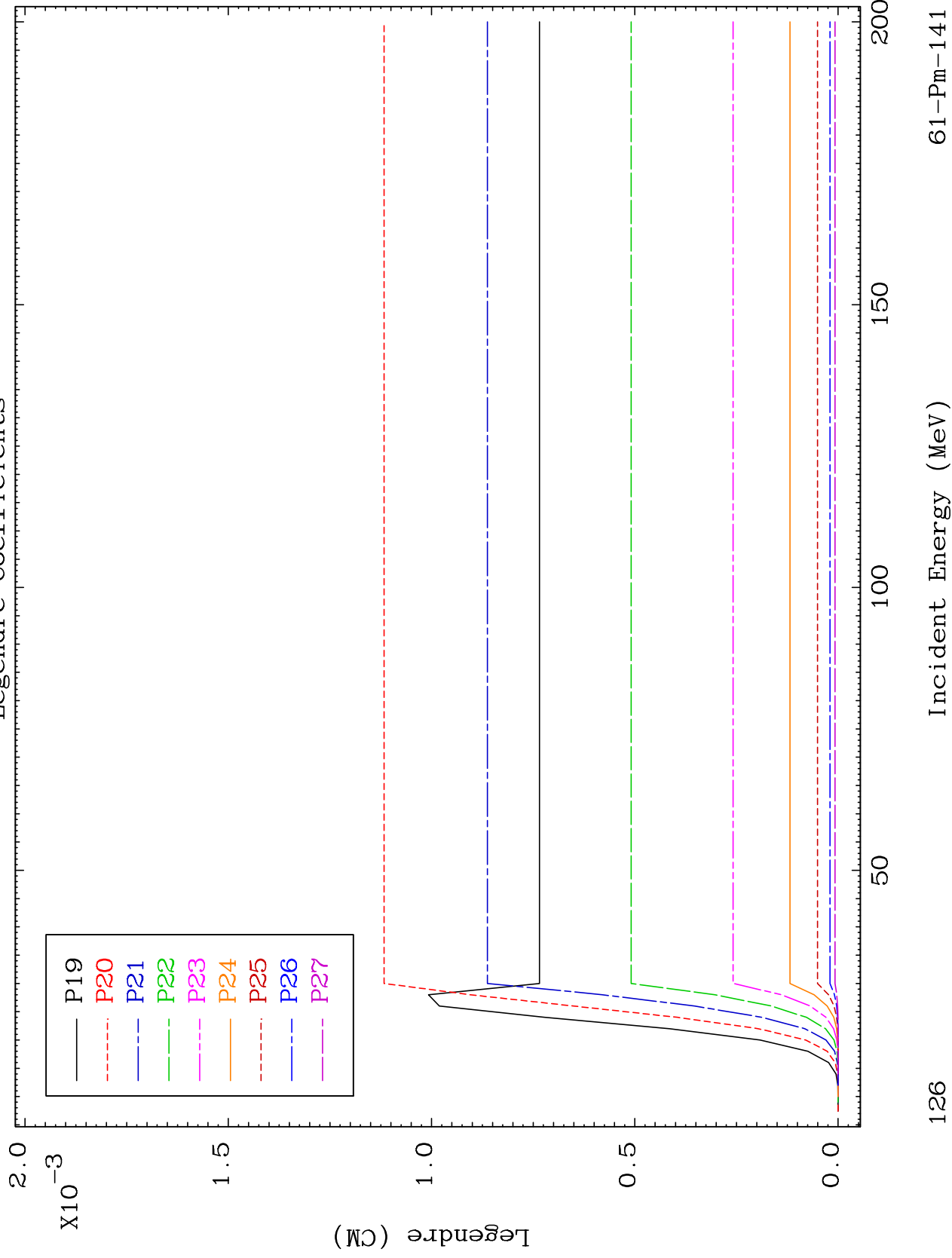
61-Pm-141

MAT 6131

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

61-Pm-141

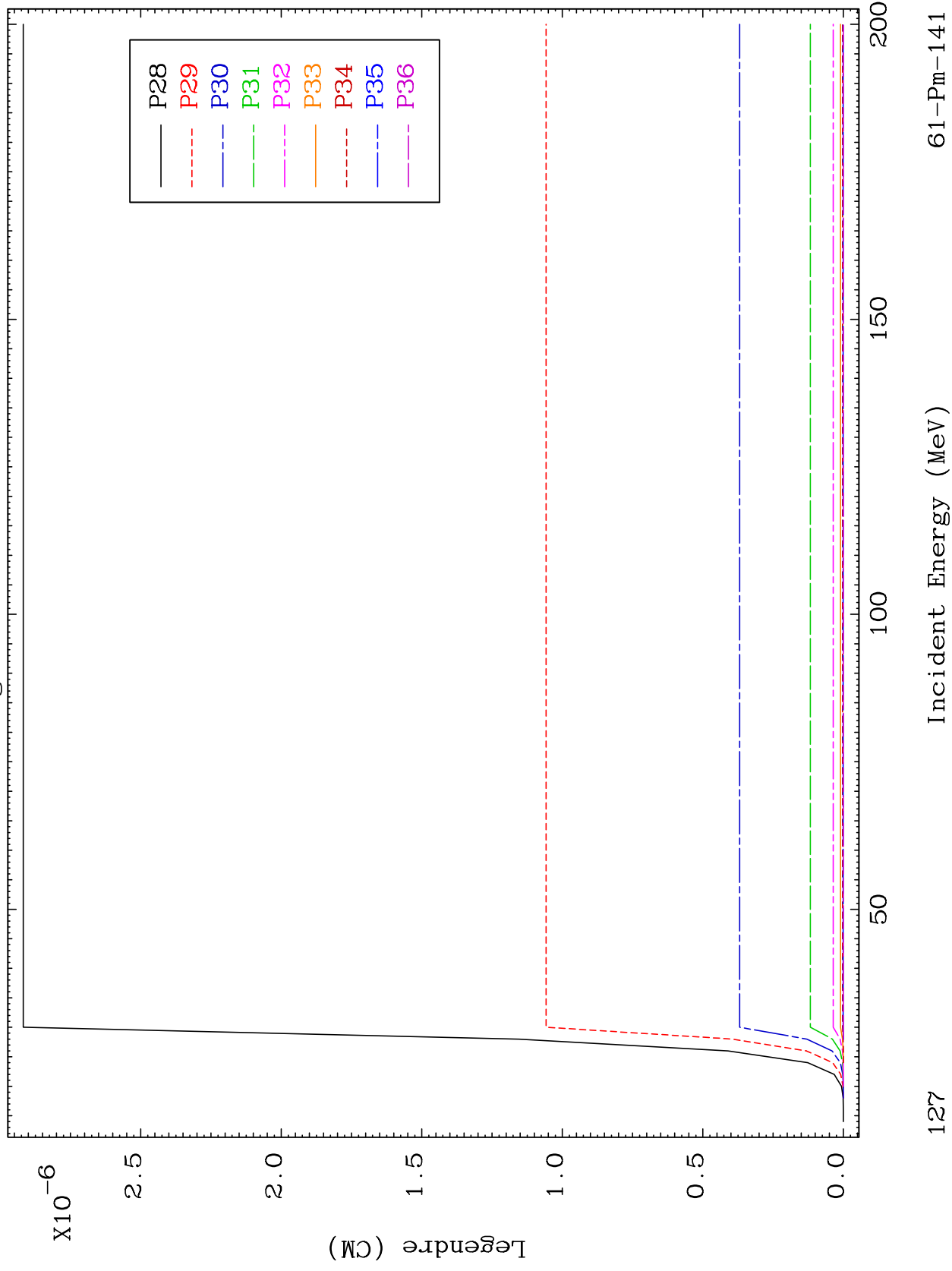




MAT 6131

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

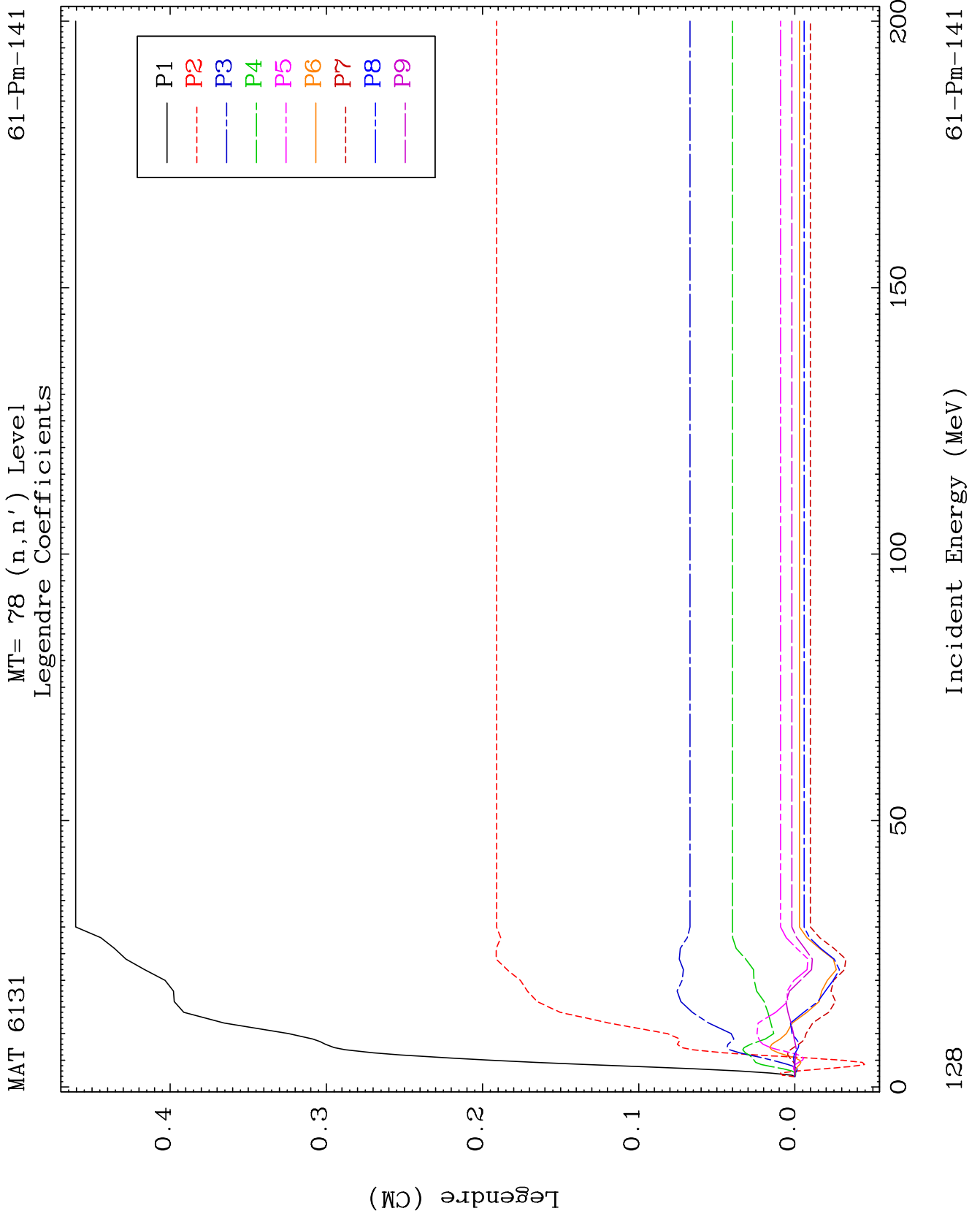
61-Pm-141

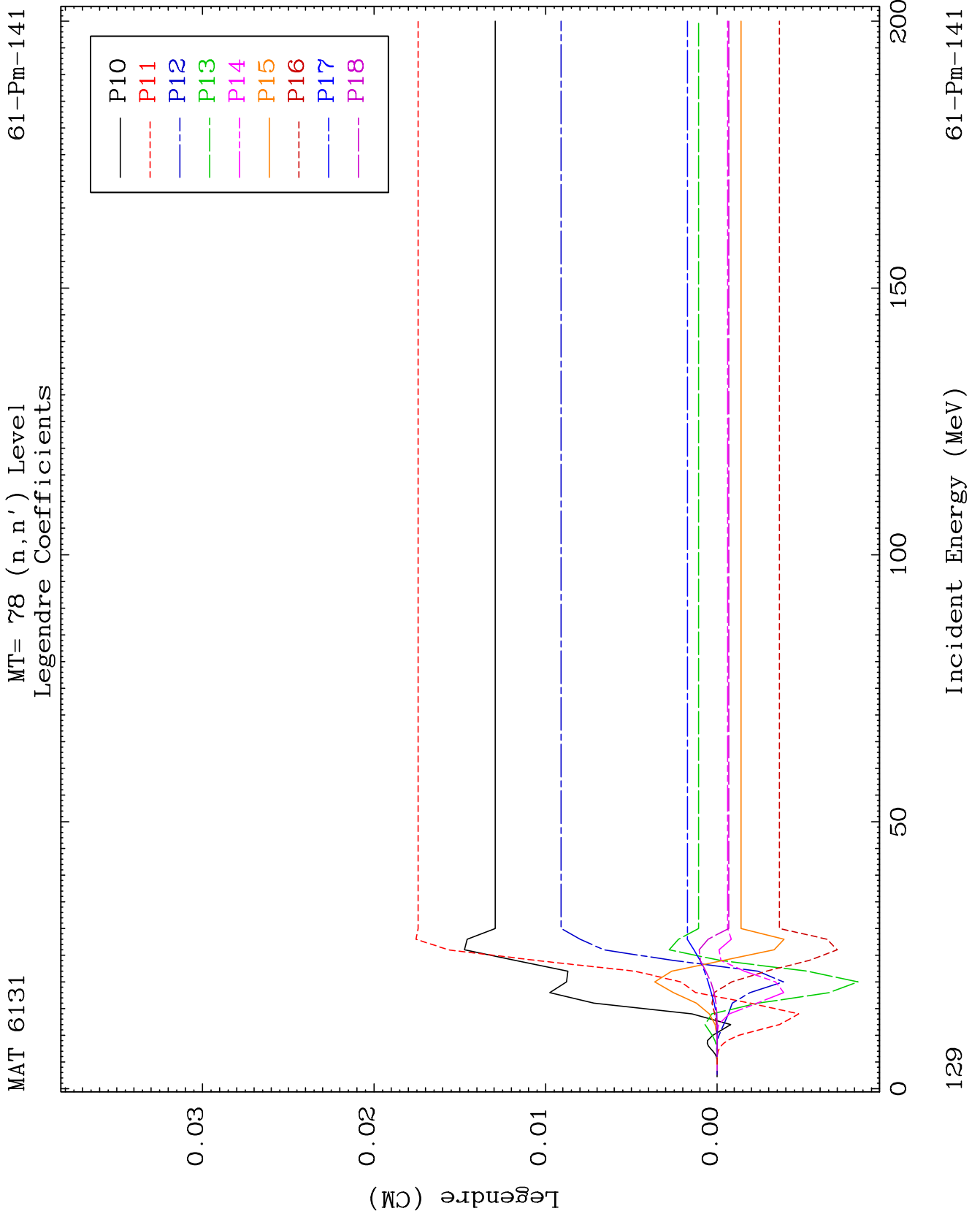


127

Incident Energy (MeV)

61-Pm-141

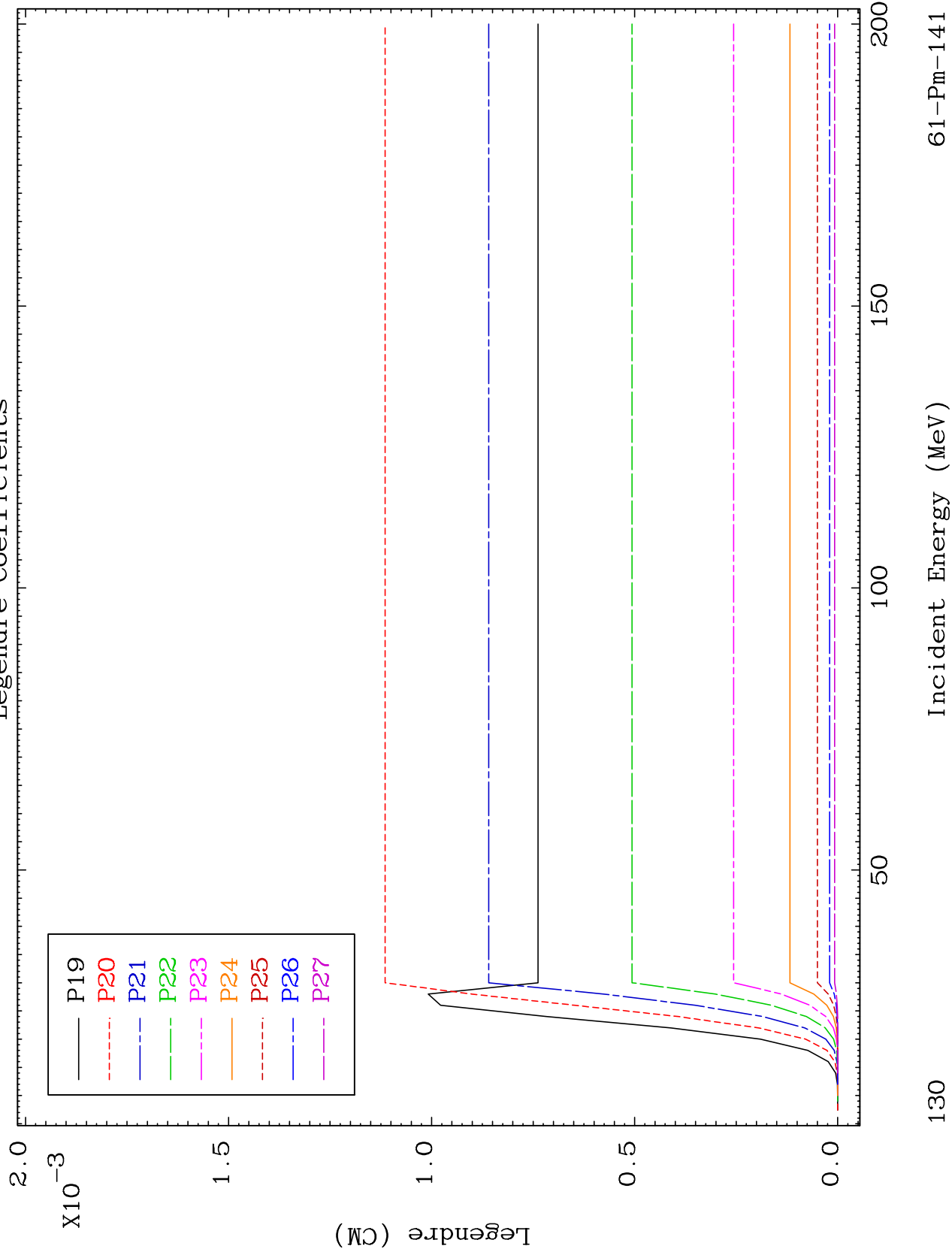




MAT 6131

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

61-Pm-141



130

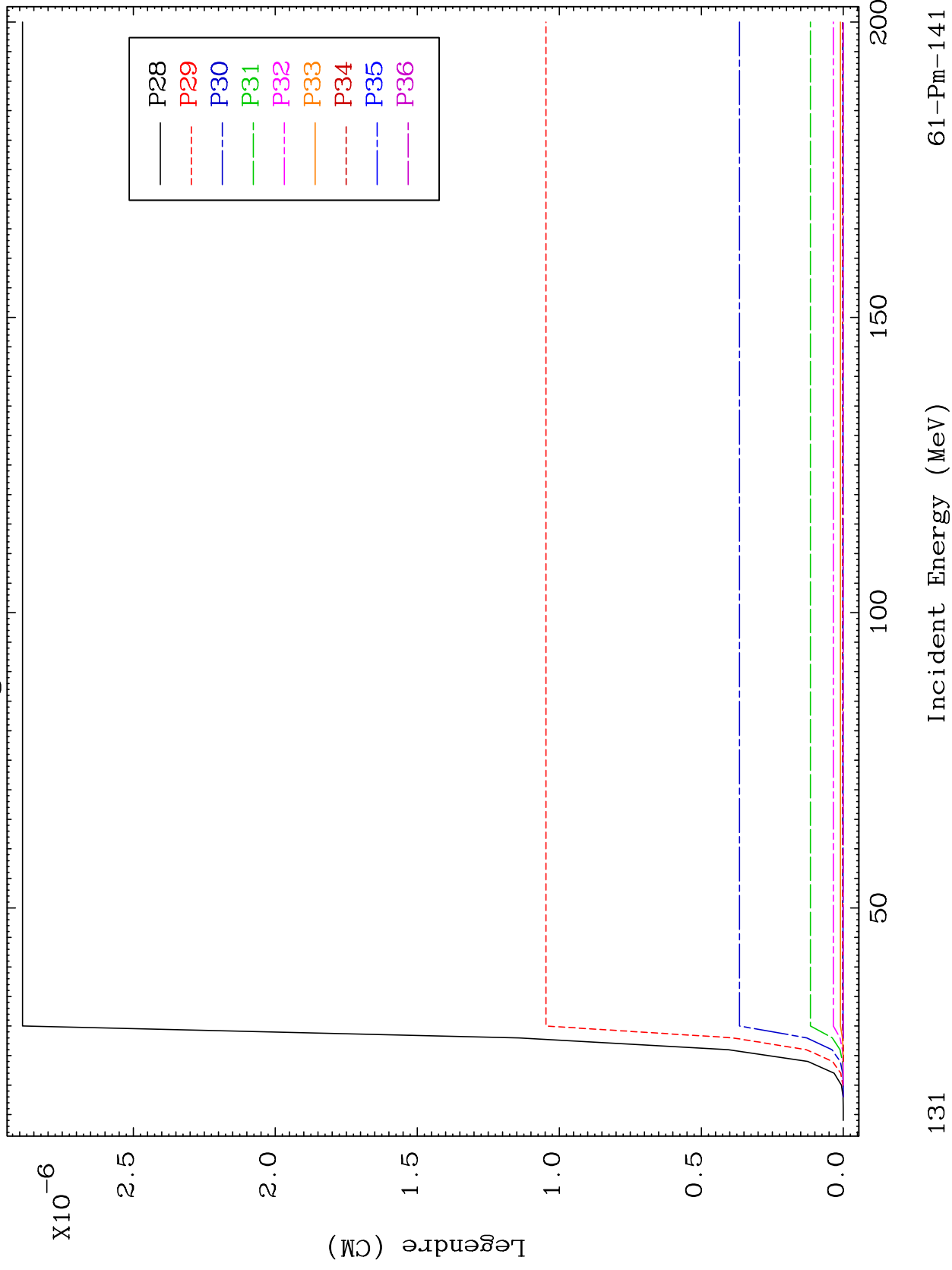
Incident Energy (MeV)

61-Pm-141

MAT 6131

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

61-Pm-141



131

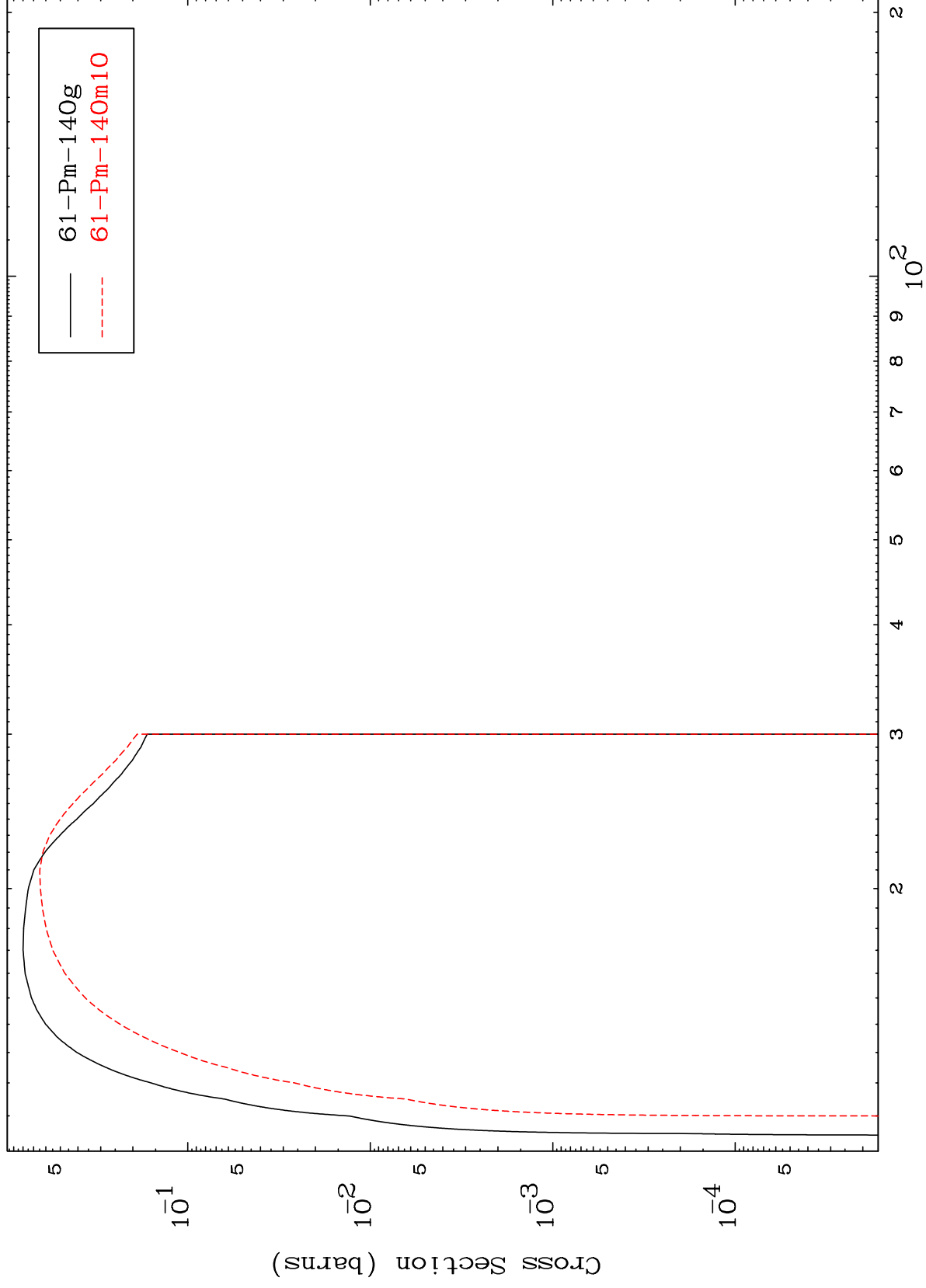
Incident Energy (MeV)

61-Pm-141

MAT 6131

61-Pm-141

(n,2n)
Radionuclide Production Cross Section



132

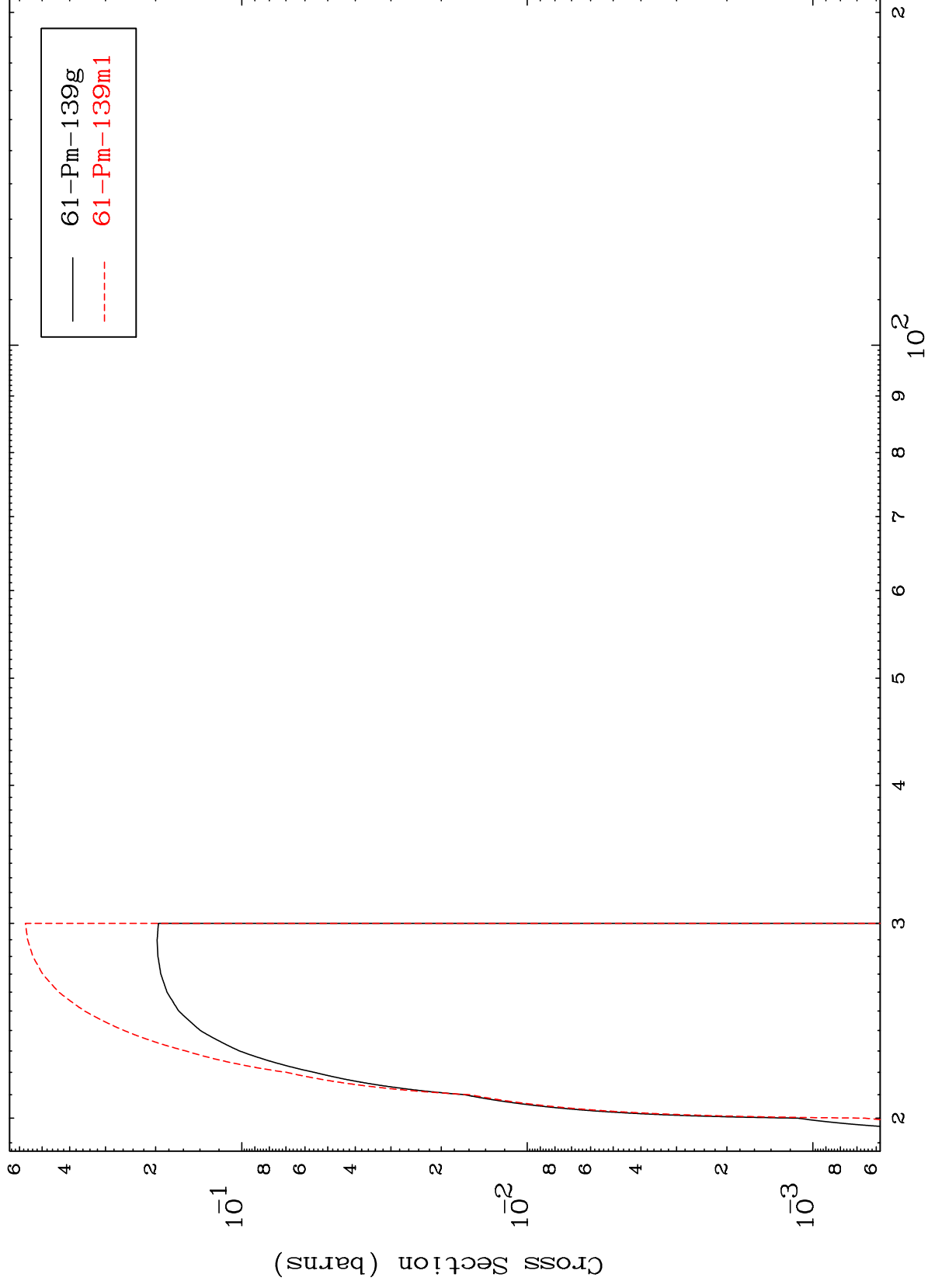
Incident Energy (MeV)

61-Pm-141

MAT 6131

61-Pm-141

(n,3n)
Radionuclide Production Cross Section



61-Pm-141

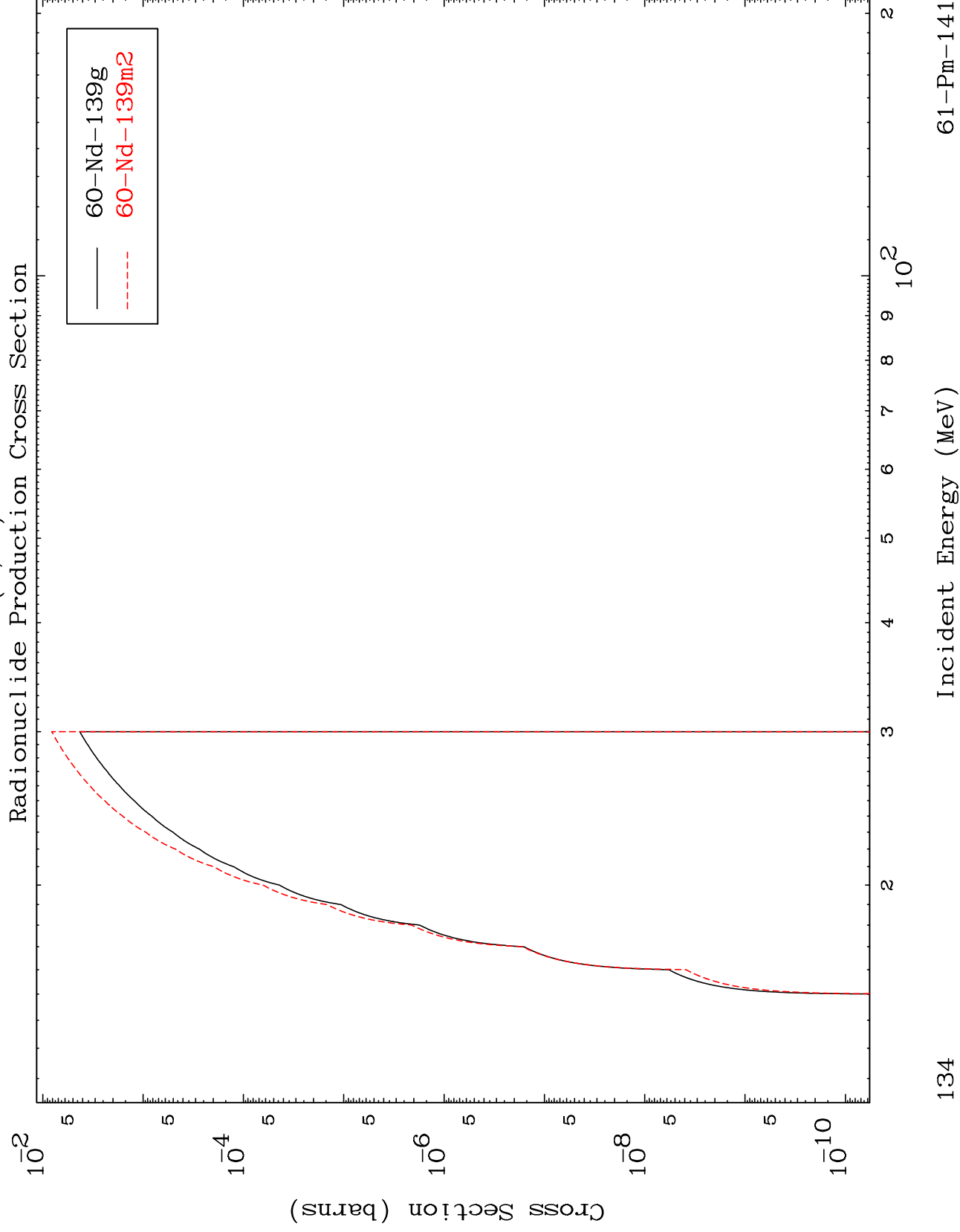
Incident Energy (MeV)

133

MAT 6131

(n,n') d

61-Pm-141



134

Incident Energy (MeV)

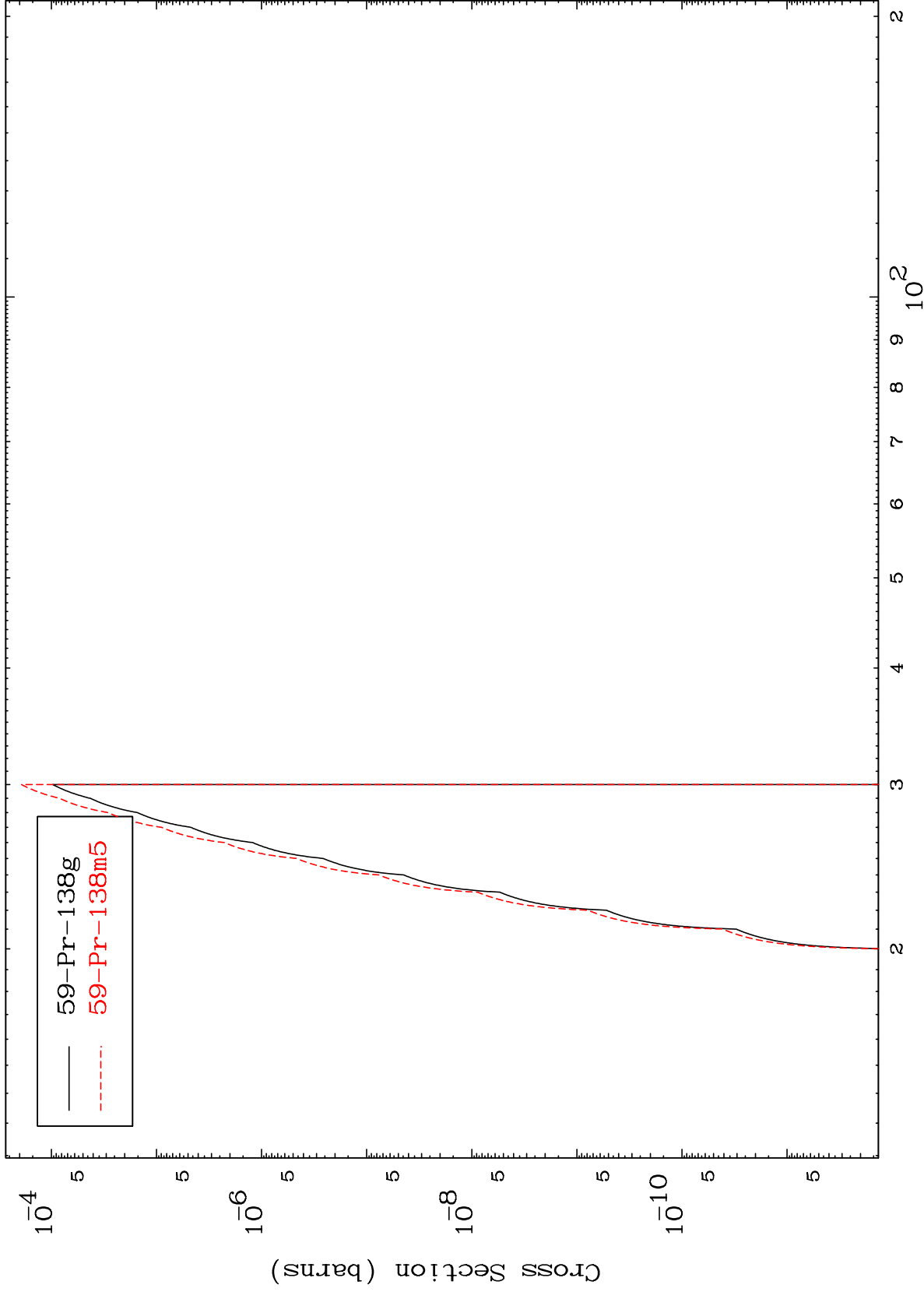
61-Pm-141

MAT 6131

(n,n') He-3

61-Pm-141

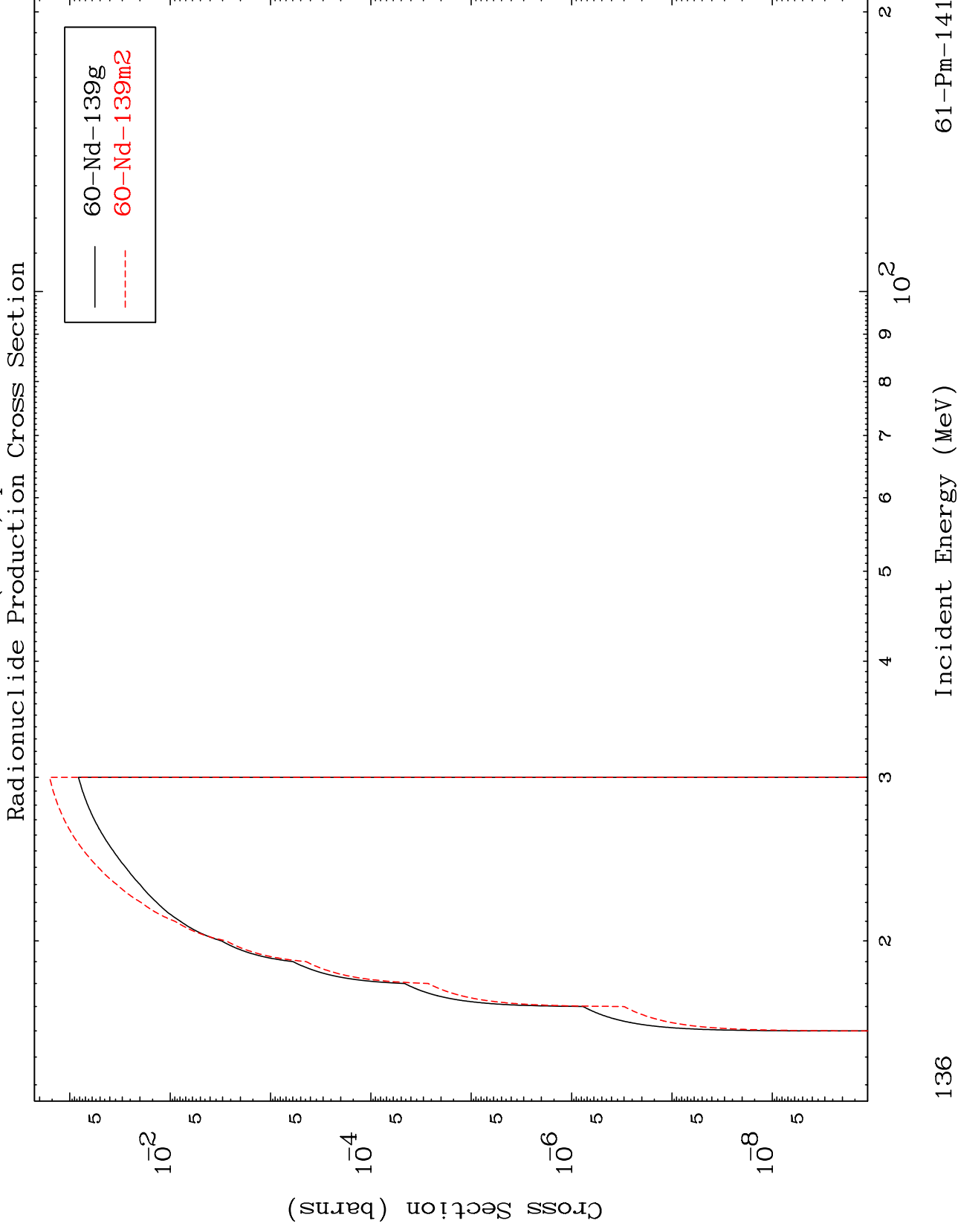
Radionuclide Production Cross Section



135

Incident Energy (MeV)

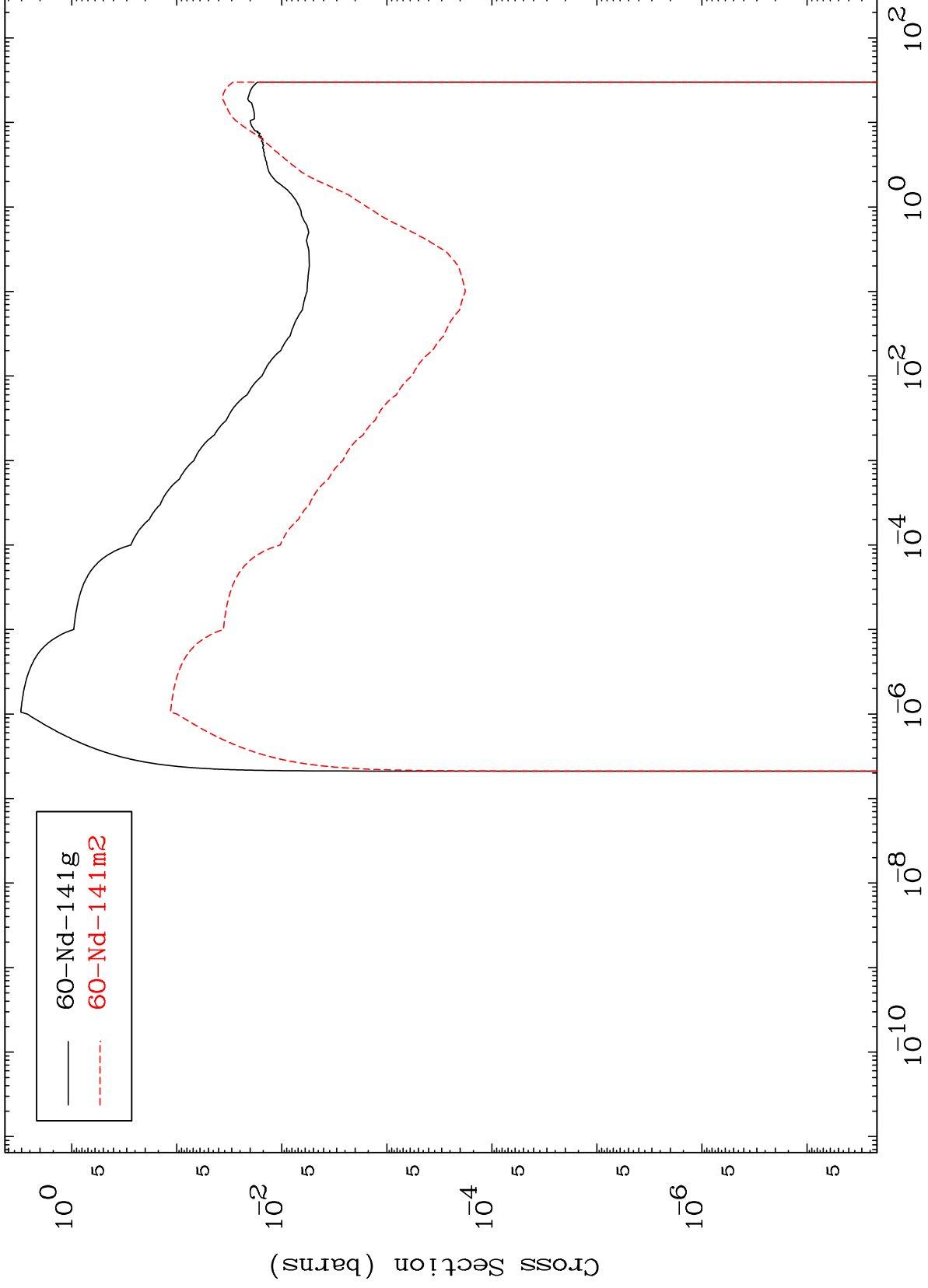
61-Pm-141



MAT 6131

61-Pm-141

(n,p)
Radionuclide Production Cross Section

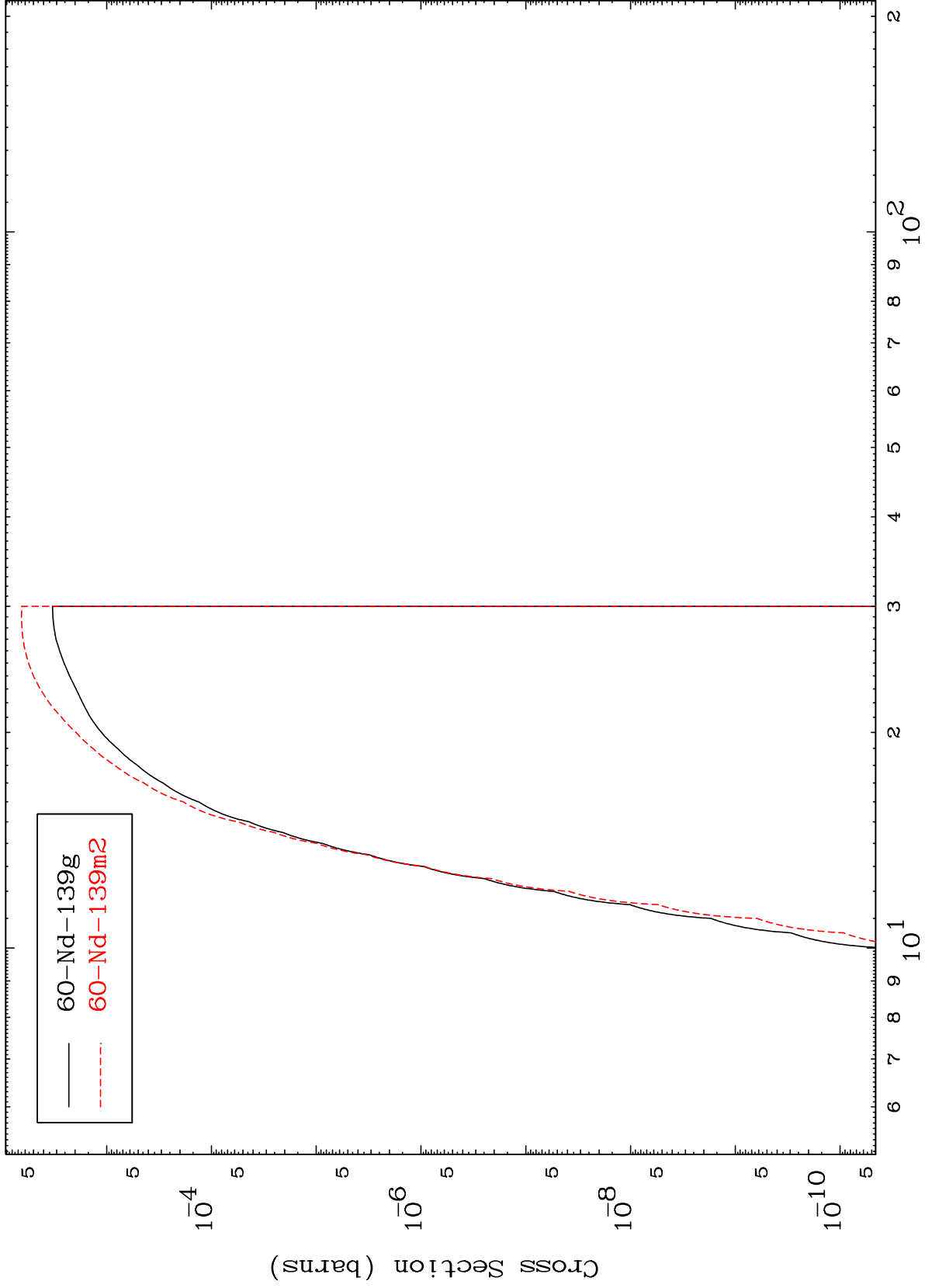


— 60-Nd-141g
- - - 60-Nd-141m2

MAT 6131

61-Pm-141

(n, t)
Radionuclide Production Cross Section



138

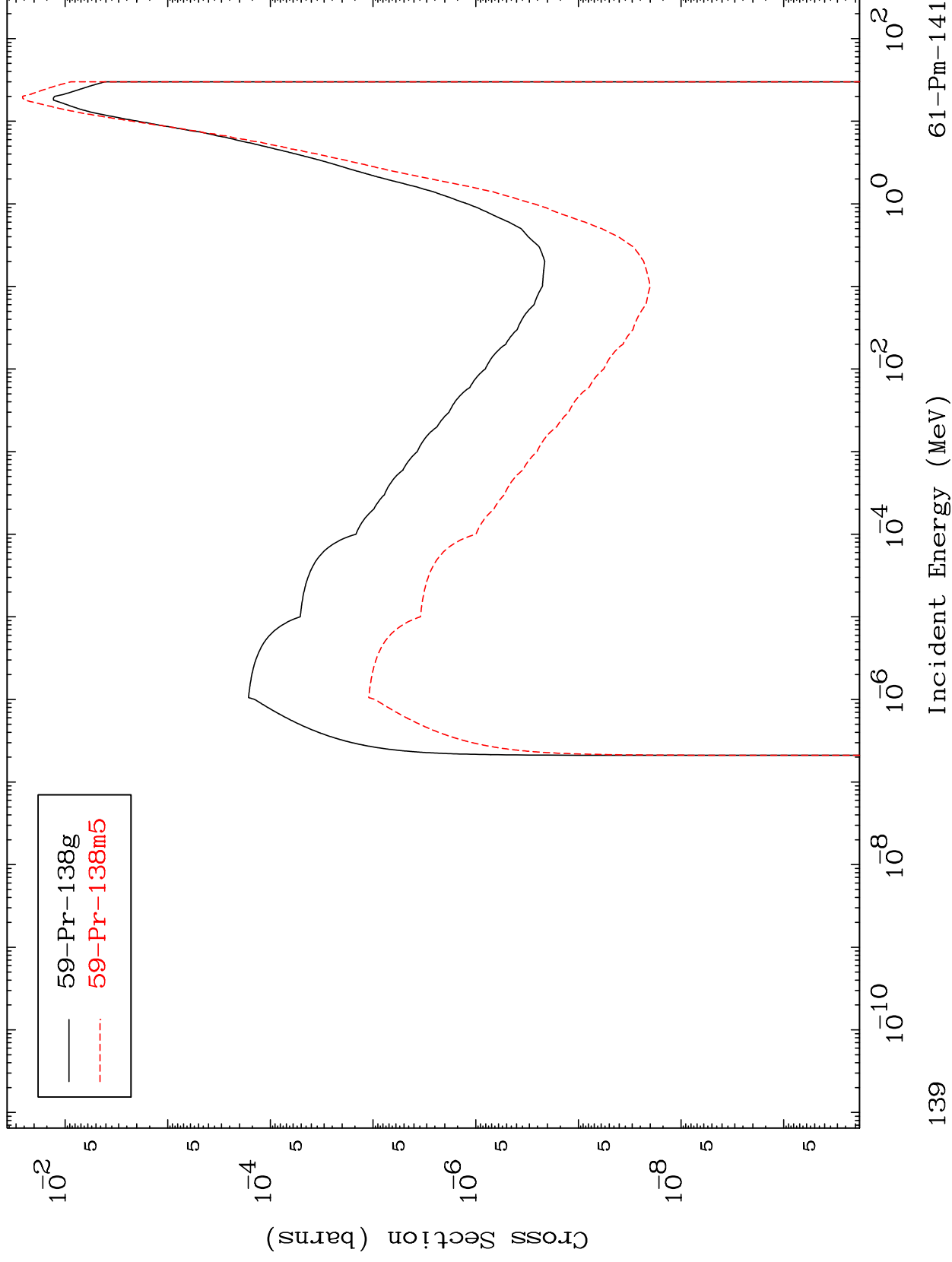
Incident Energy (MeV)

61-Pm-141

MAT 6131

61-Pm-141

Radionuclide Production Cross Section
(n, α)



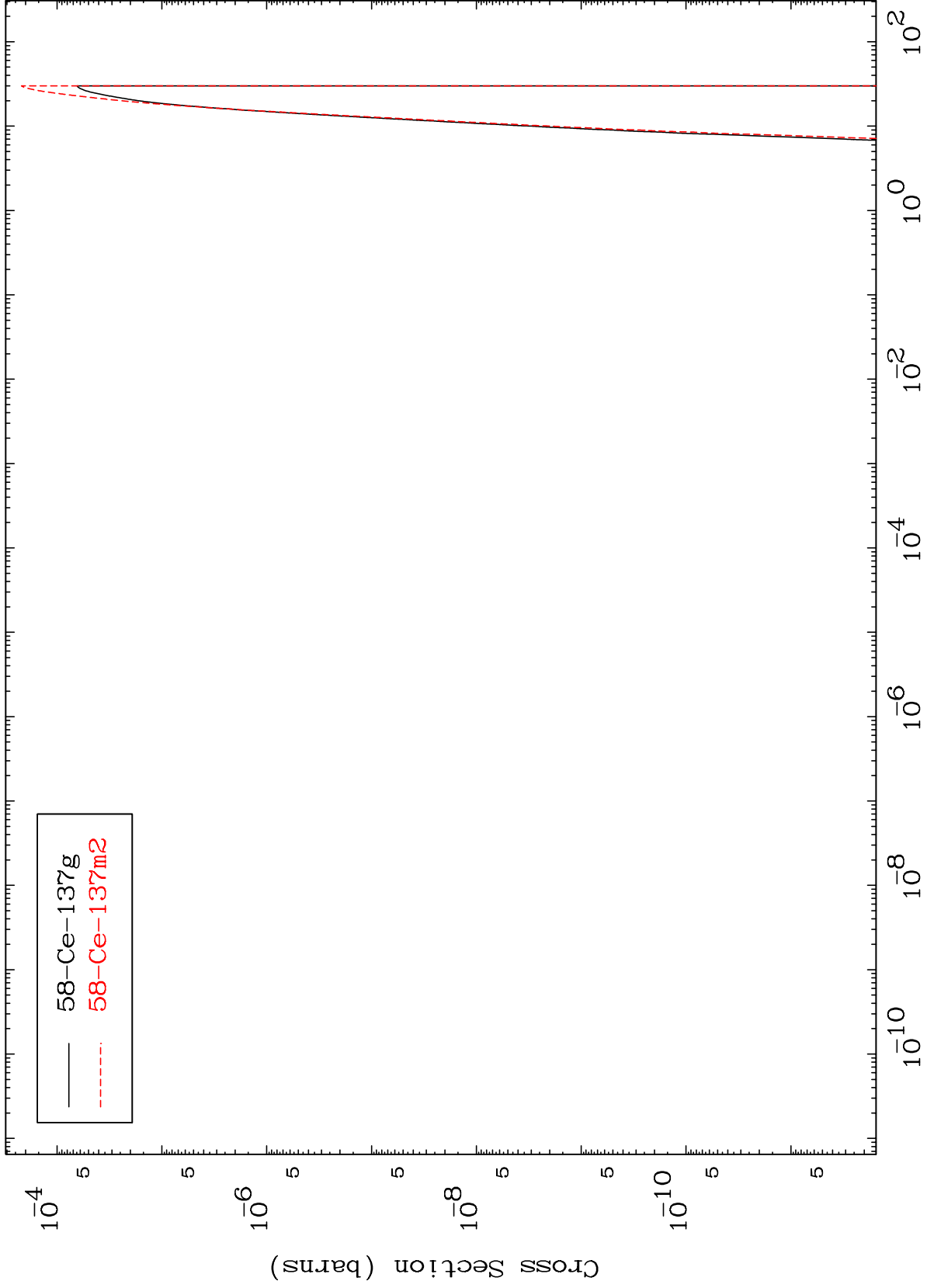
139

MAT 6131

(n,p) α

61-Pm-141

Radionuclide Production Cross Section



140

Incident Energy (MeV)

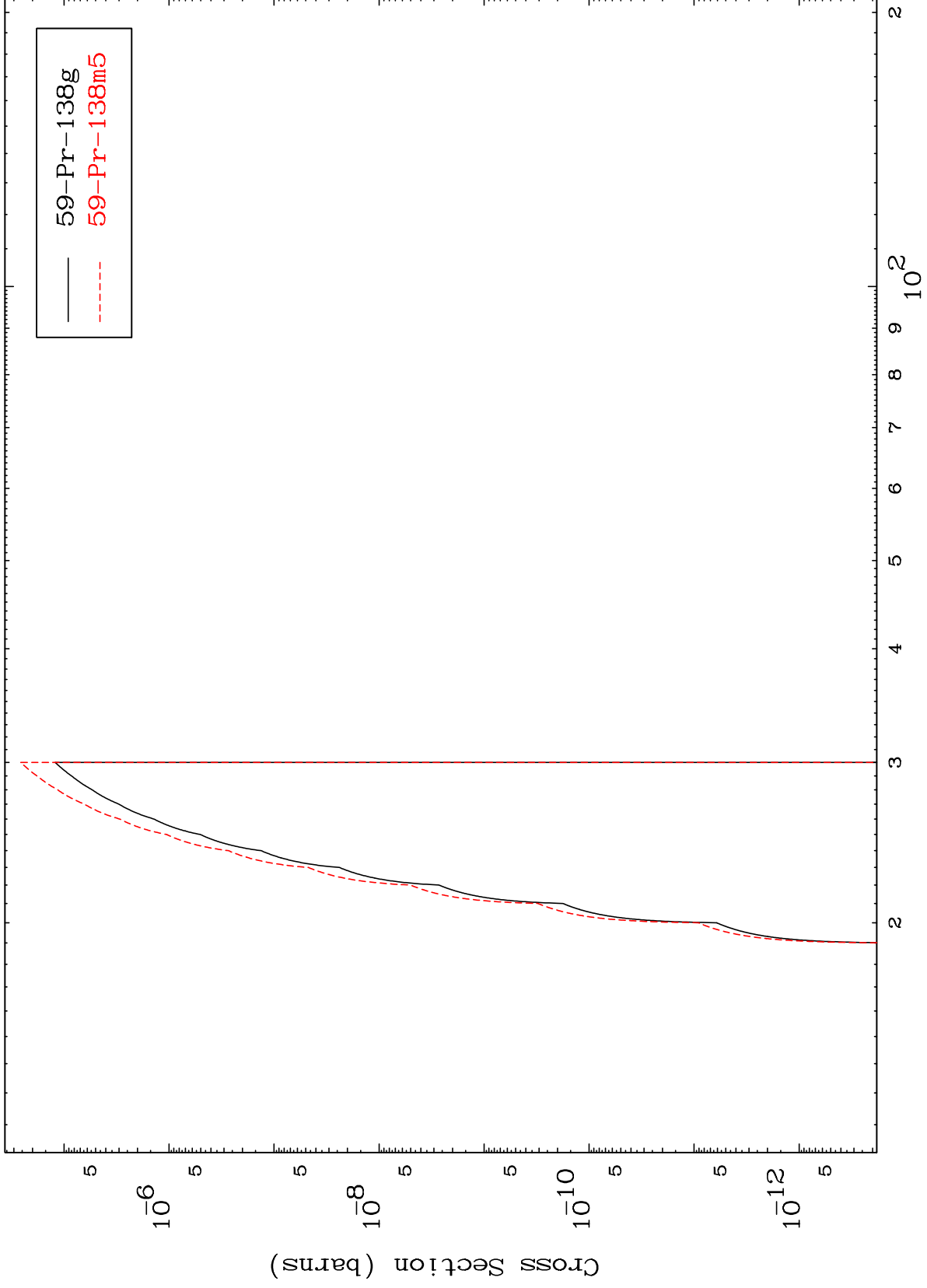
61-Pm-141

MAT 6131

(n,p) t

61-Pm-141

Radionuclide Production Cross Section



141

Incident Energy (MeV)

61-Pm-141