

Program EVALPLOT
(Version 2021-1)

by

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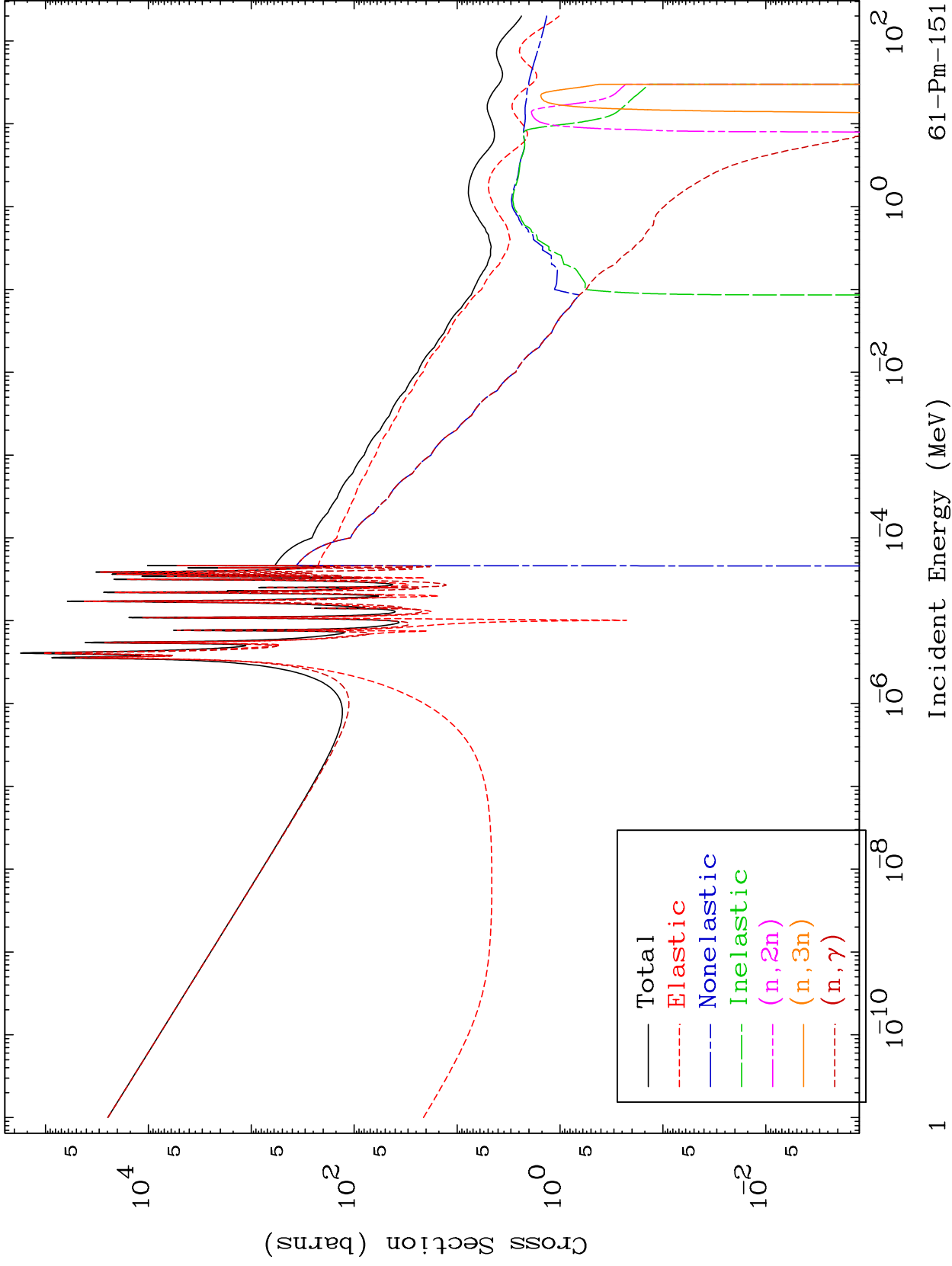
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Press Mouse Button to Start

MAT 6161

Neutron Major
293 Kelvin Cross Sections

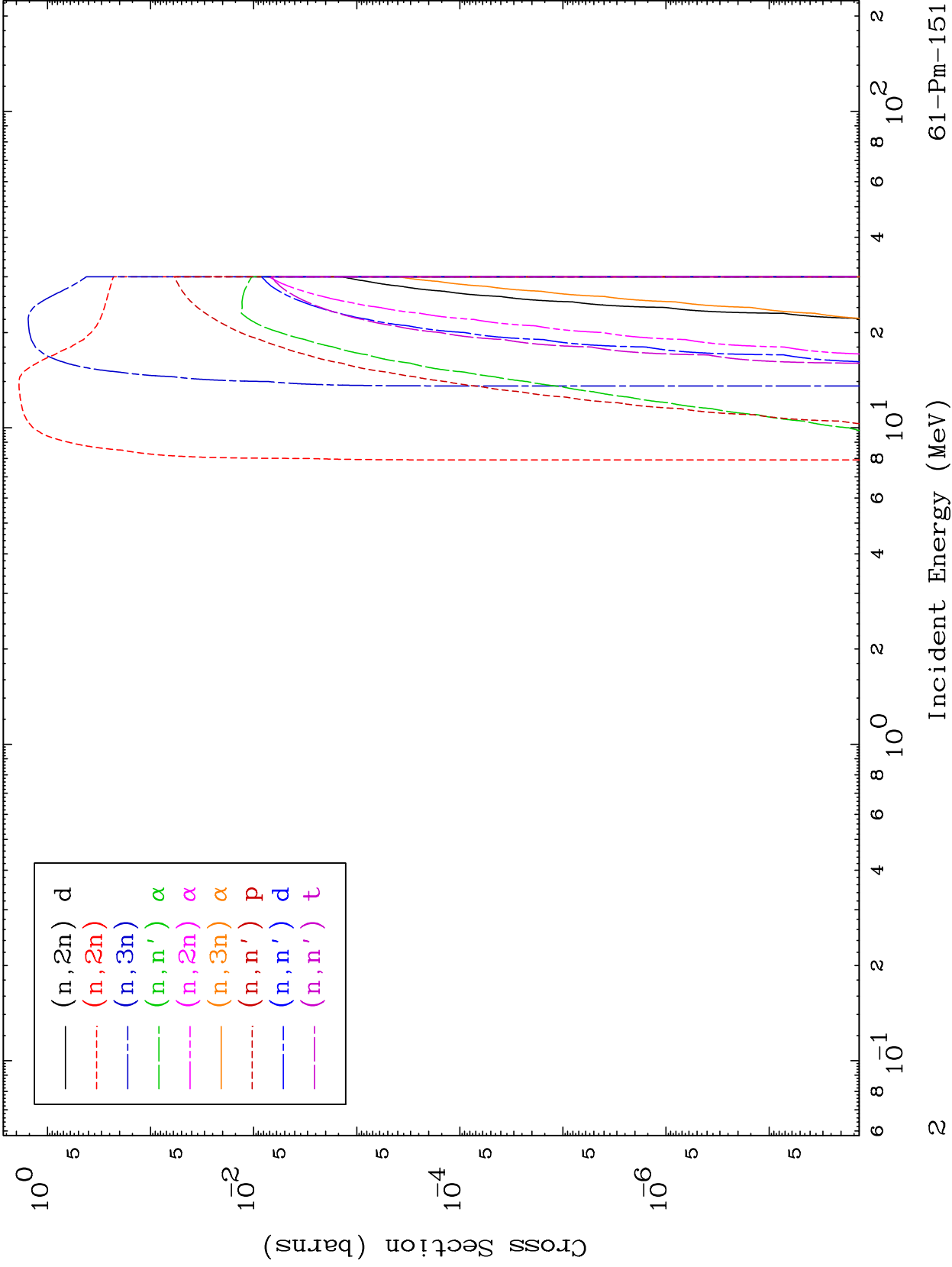
61-Pm-151

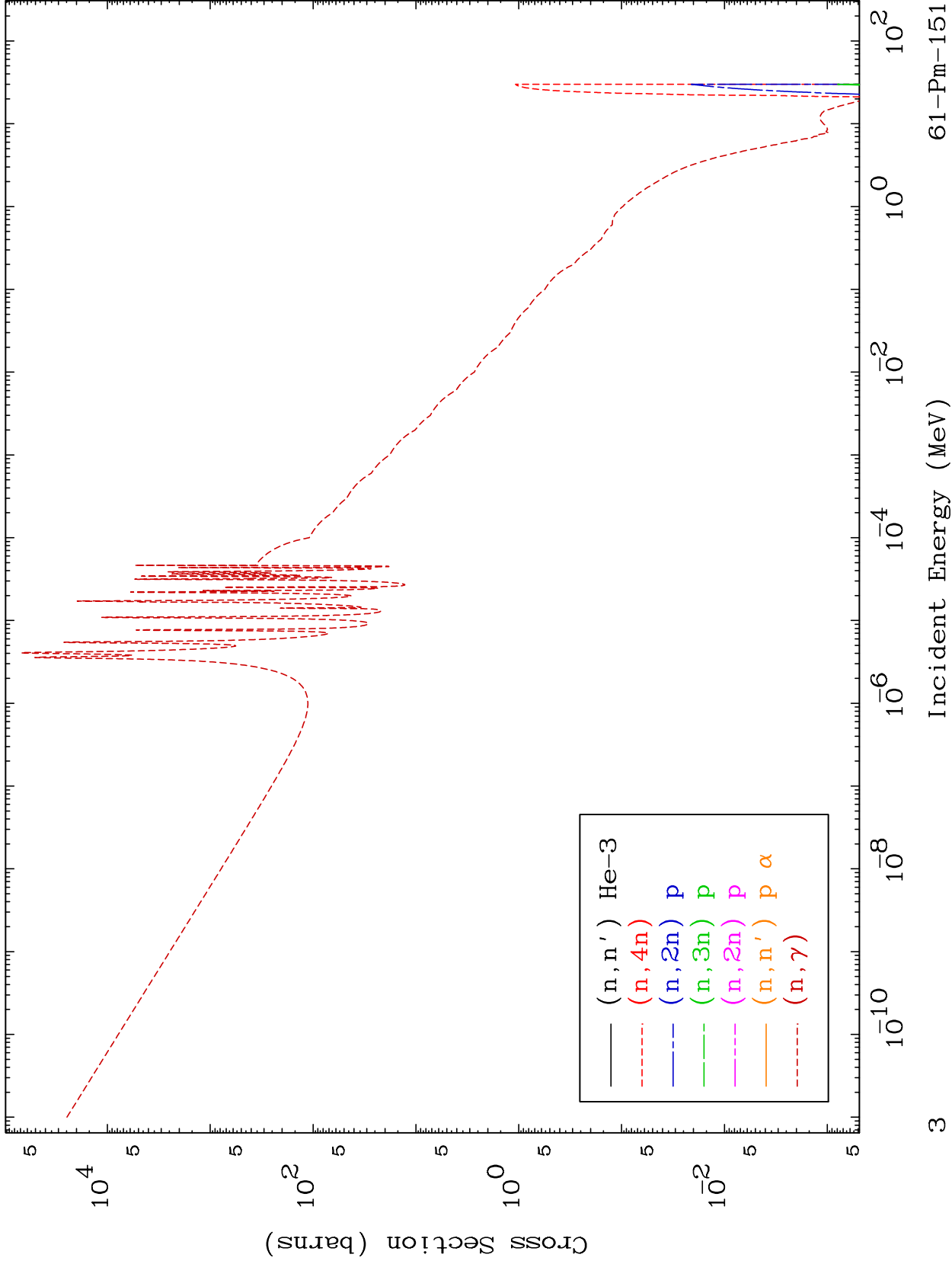


MAT 6161

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-151

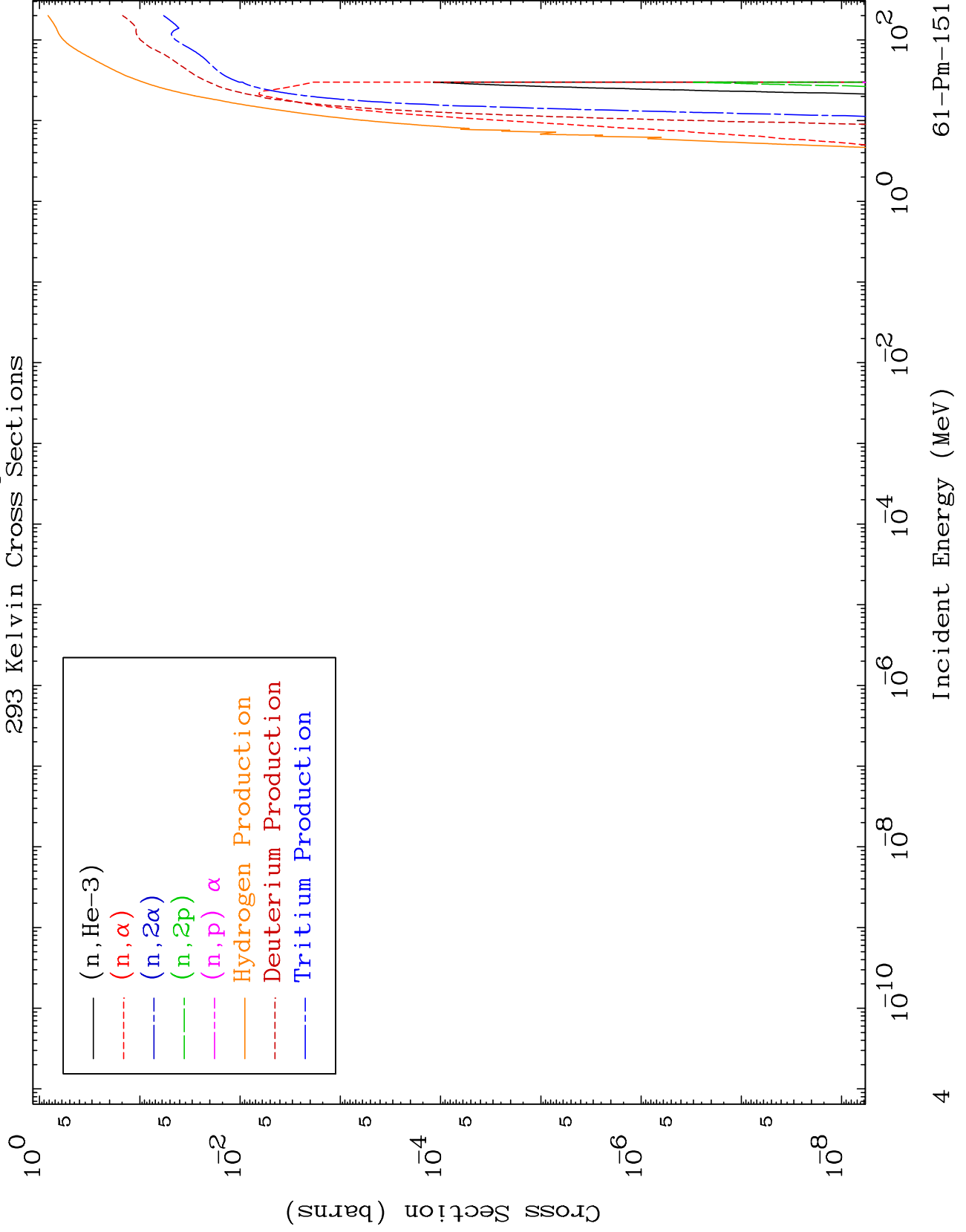




MAT 6161

Neutron Absorption
293 Kelvin Cross Sections

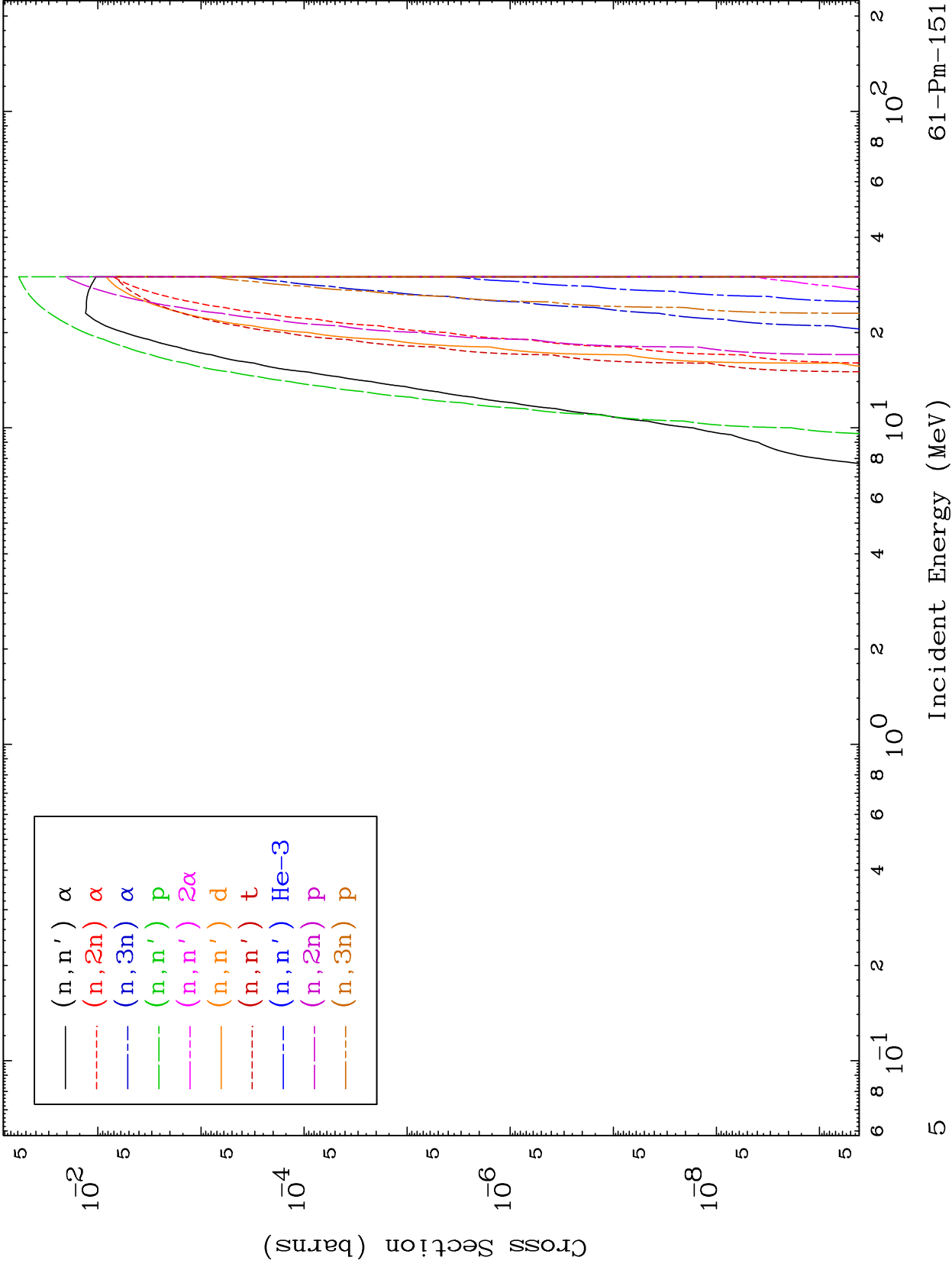
61-Pm-151



MAT 6161

Charged Particle
293 Kelvin Cross Sections

61-Pm-151



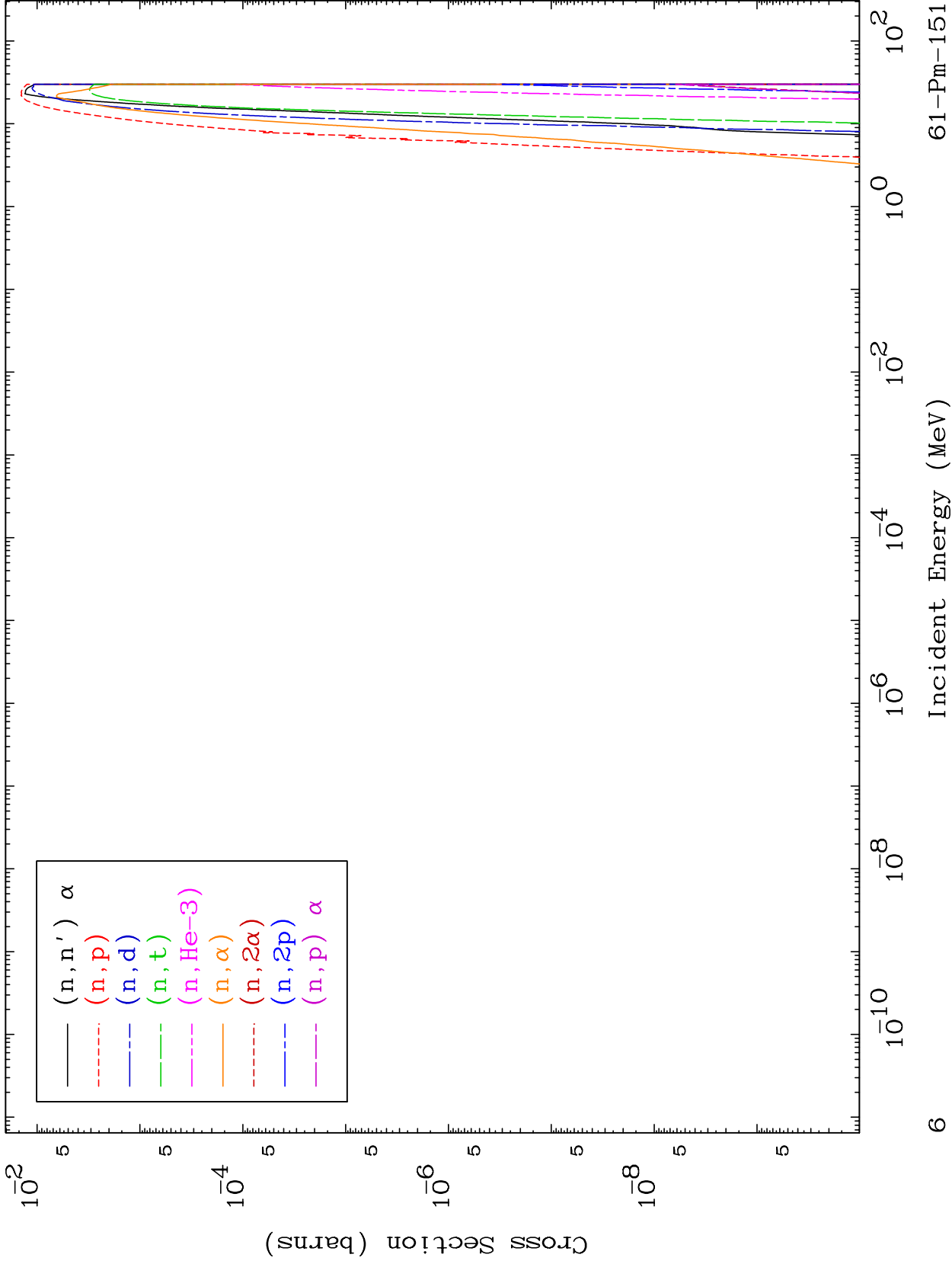
5

61-Pm-151

MAT 6161

Charged Particle
293 Kelvin Cross Sections

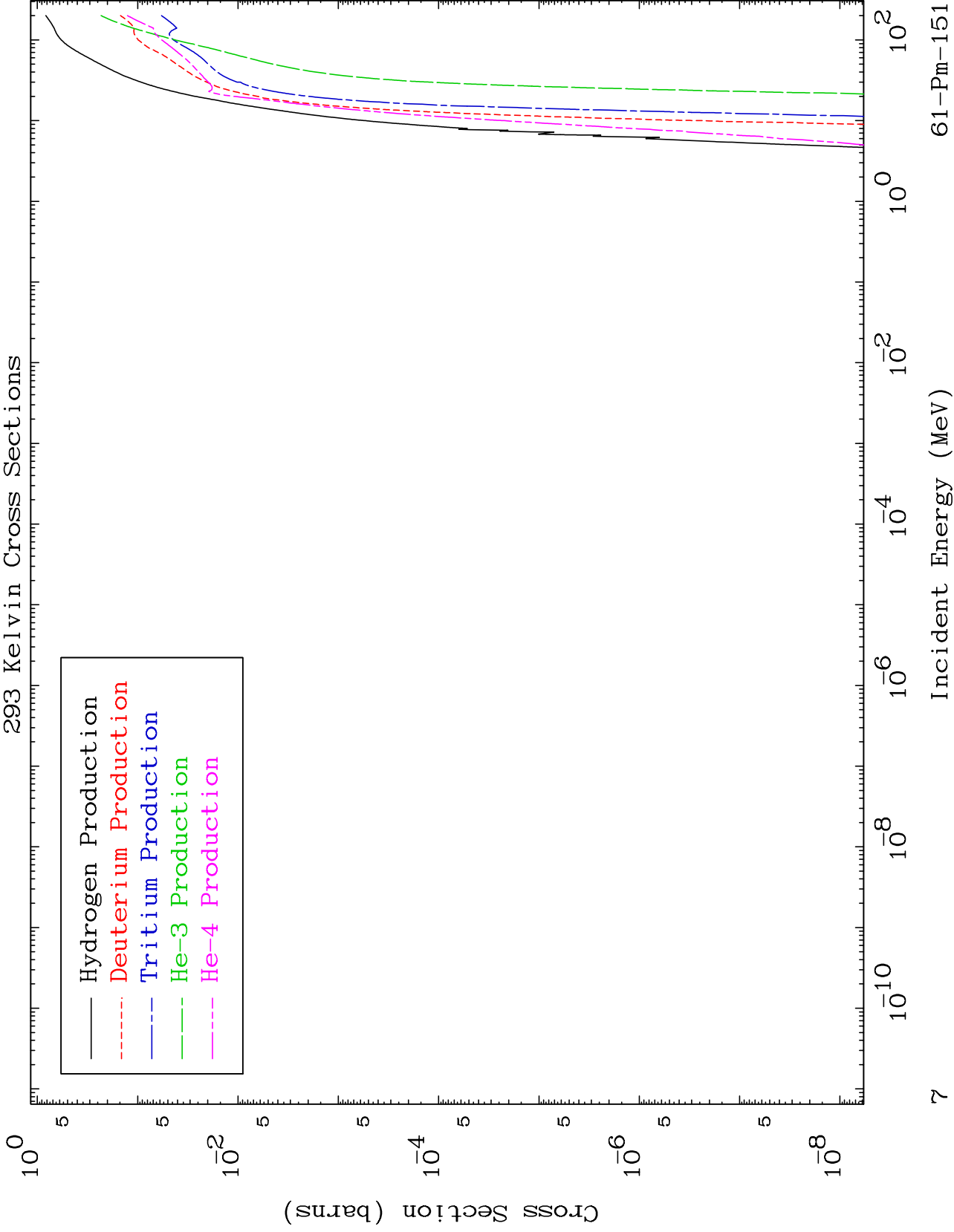
61-Pm-151



MAT 6161

Particle Production
293 Kelvin Cross Sections

61-Pm-151



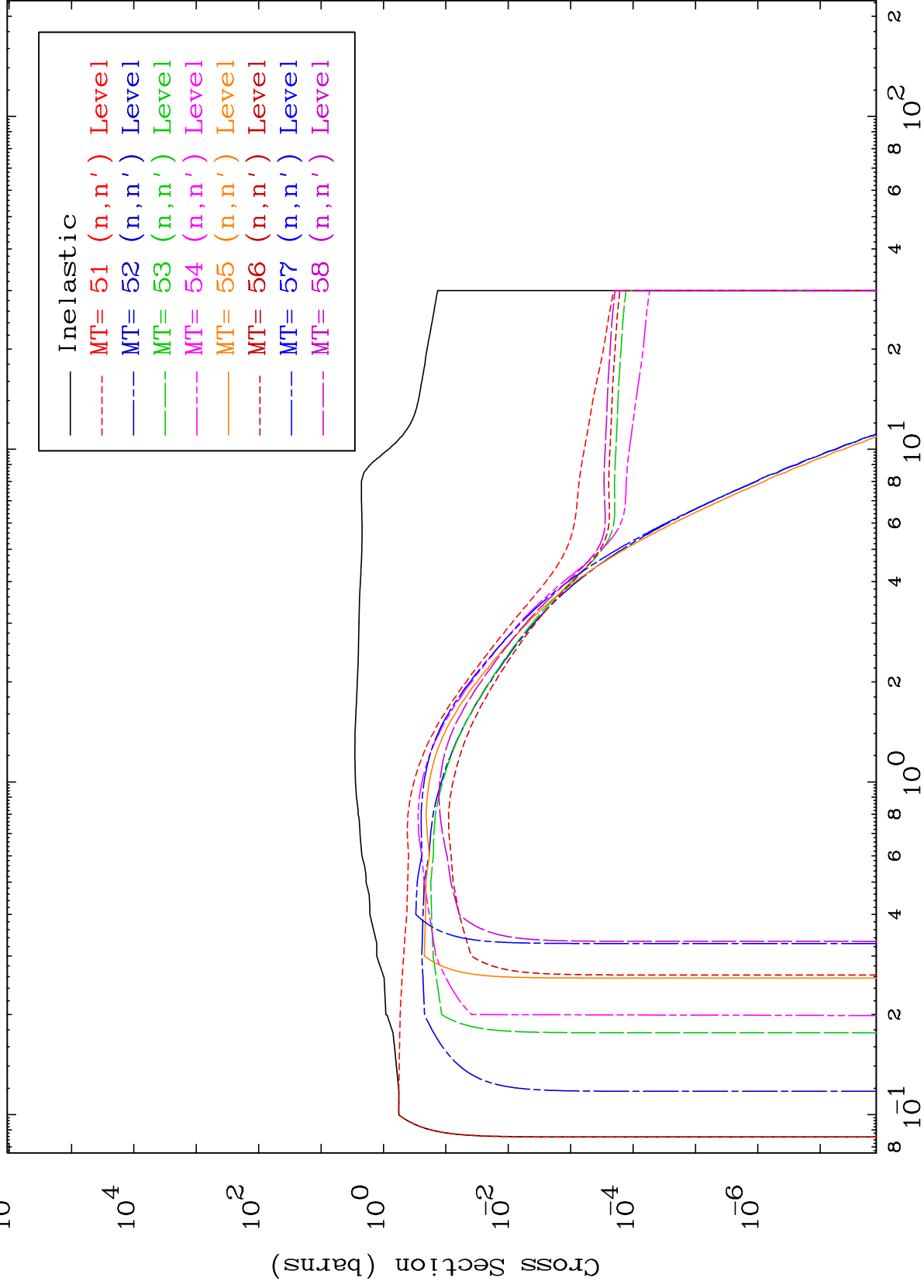
MAT 6161

(n,n') Levels

61-Pm-151

293 Kelvin Cross Sections

61-Pm-151



8

Incident Energy (MeV)

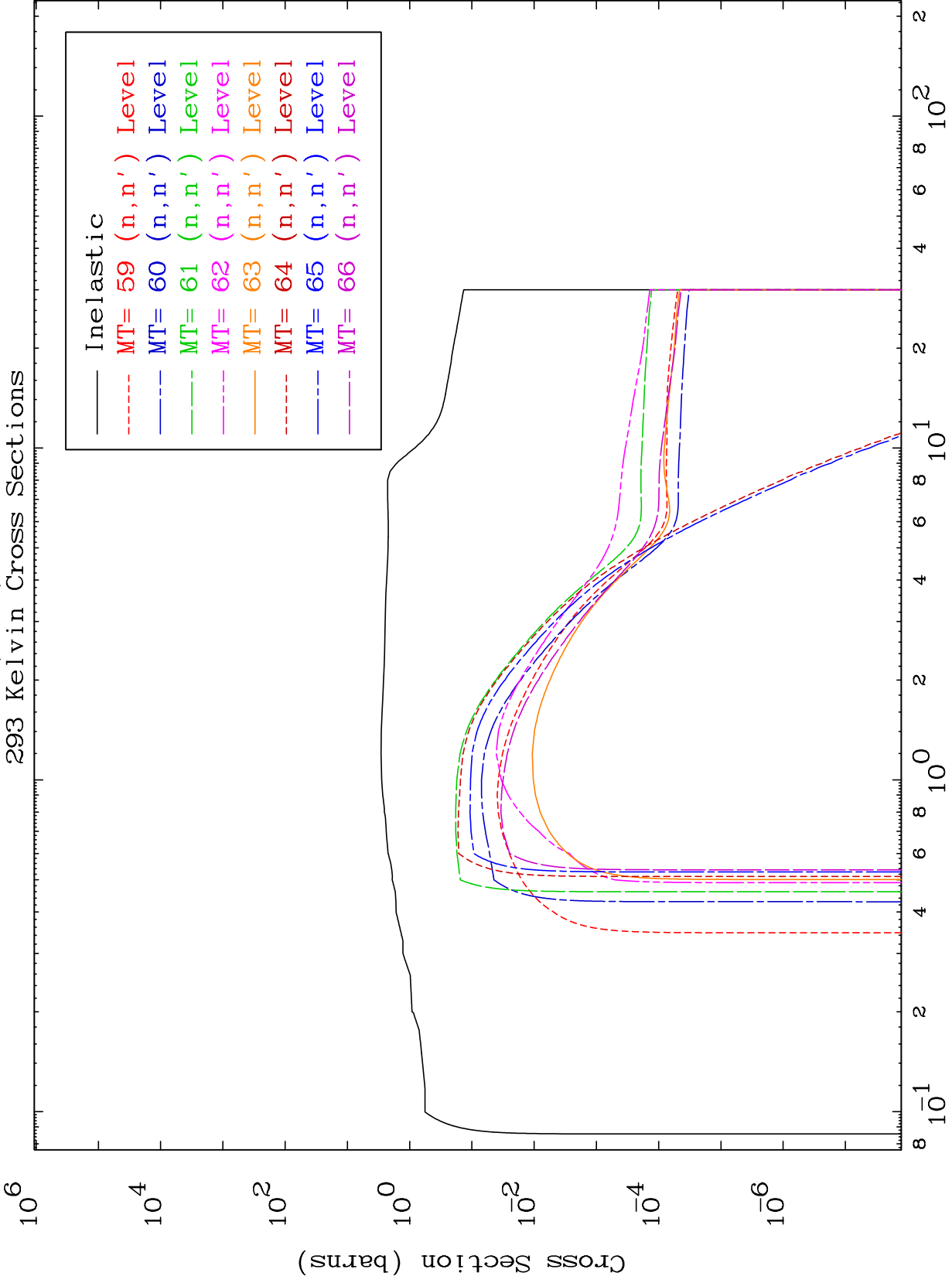
61-Pm-151

MAT 6161

(n,n') Levels

61-Pm-151

293 Kelvin Cross Sections



9

Incident Energy (MeV)

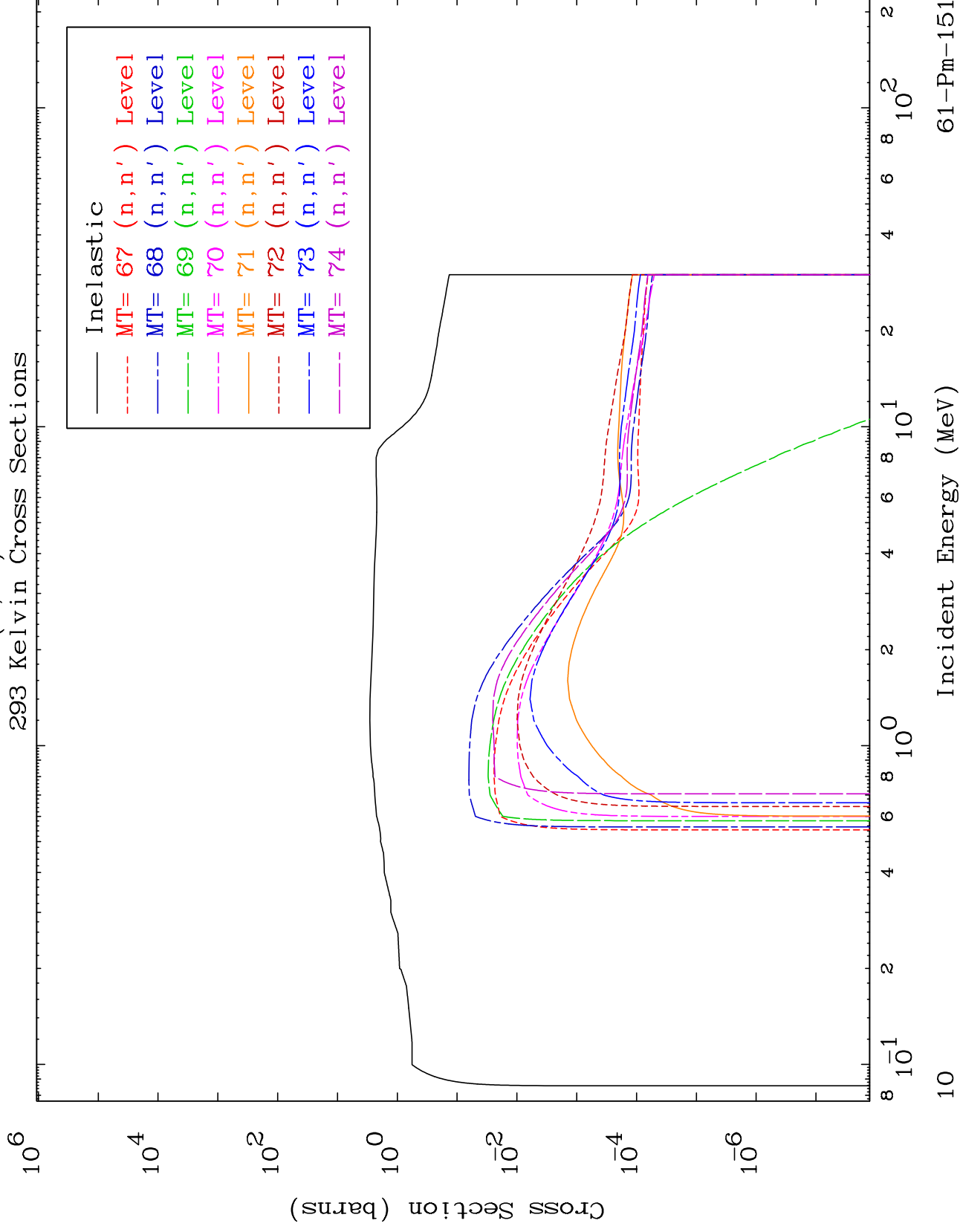
61-Pm-151

MAT 6161

(n,n') Levels

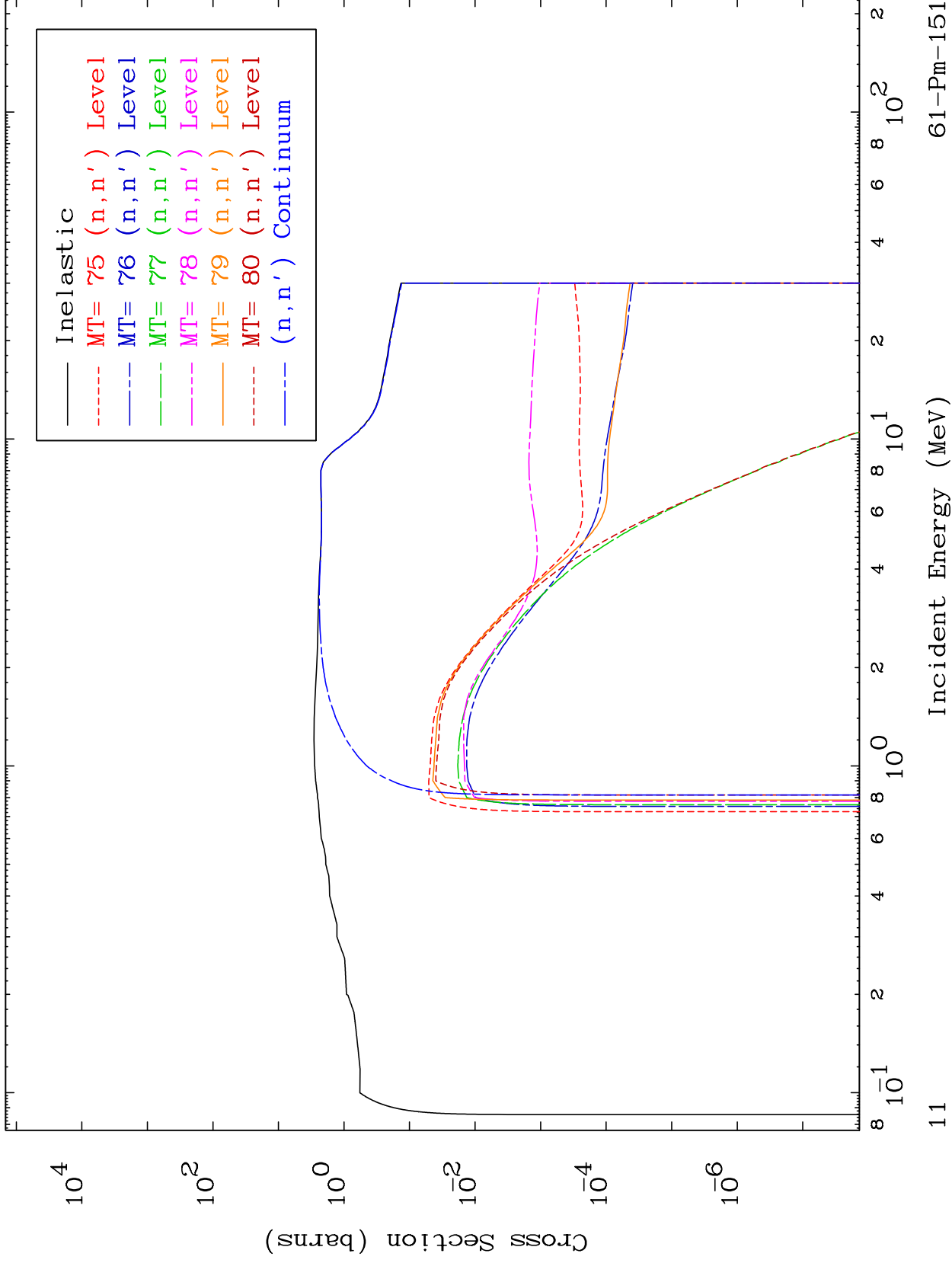
293 Kelvin Cross Sections

61-Pm-151



61-Pm-151

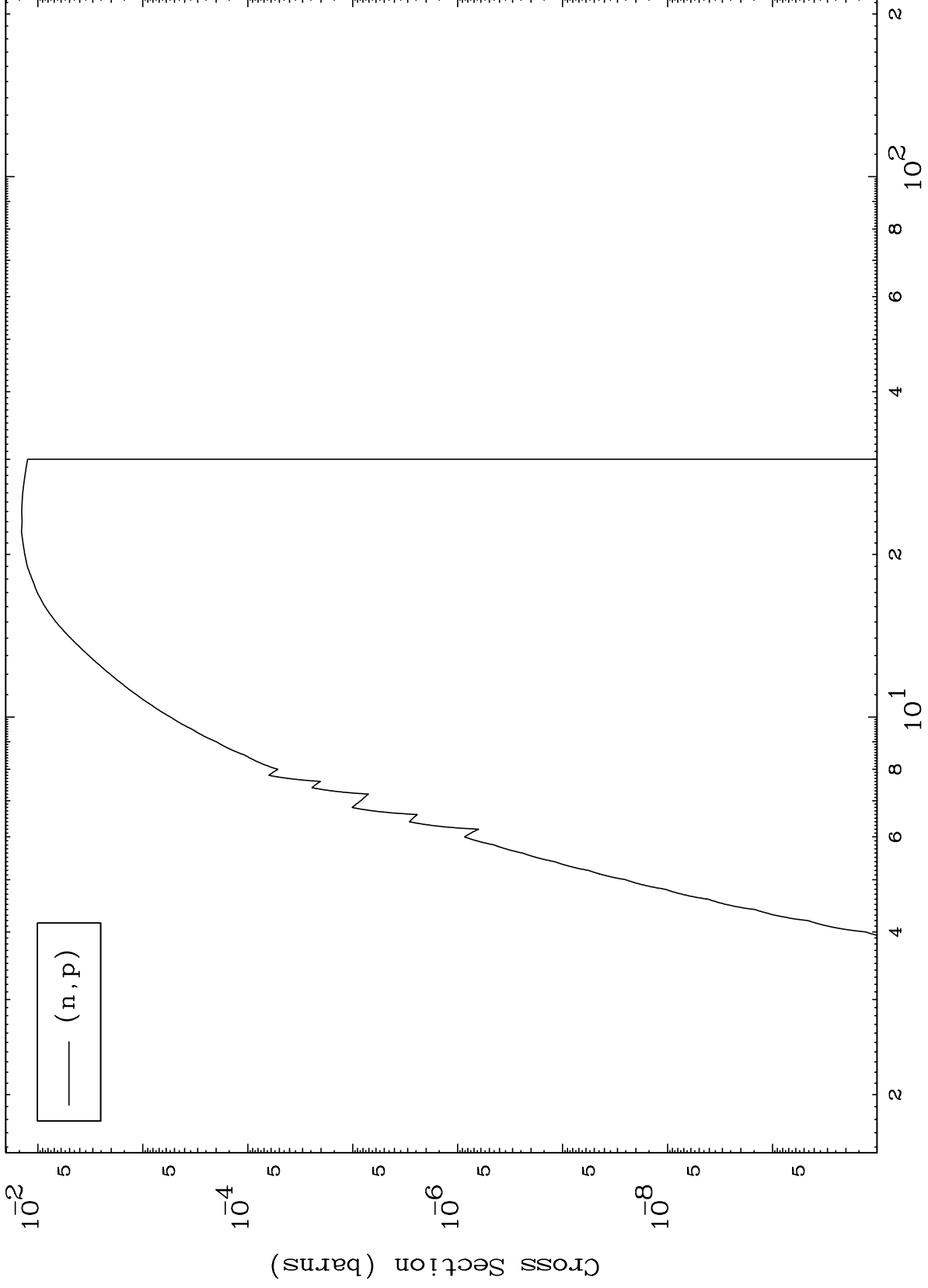
Incident Energy (MeV)



MAT 6161

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-151



12

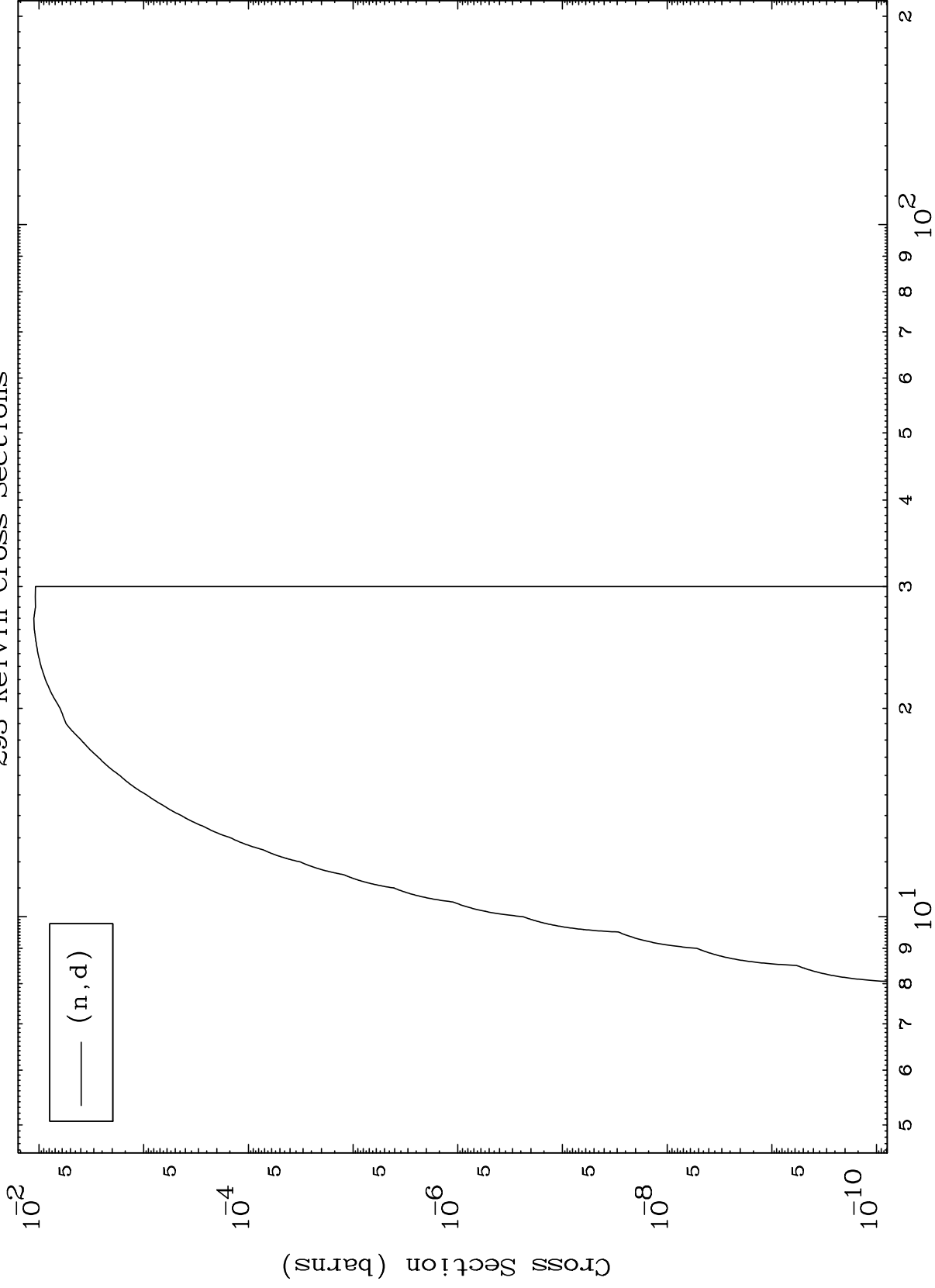
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-151



13

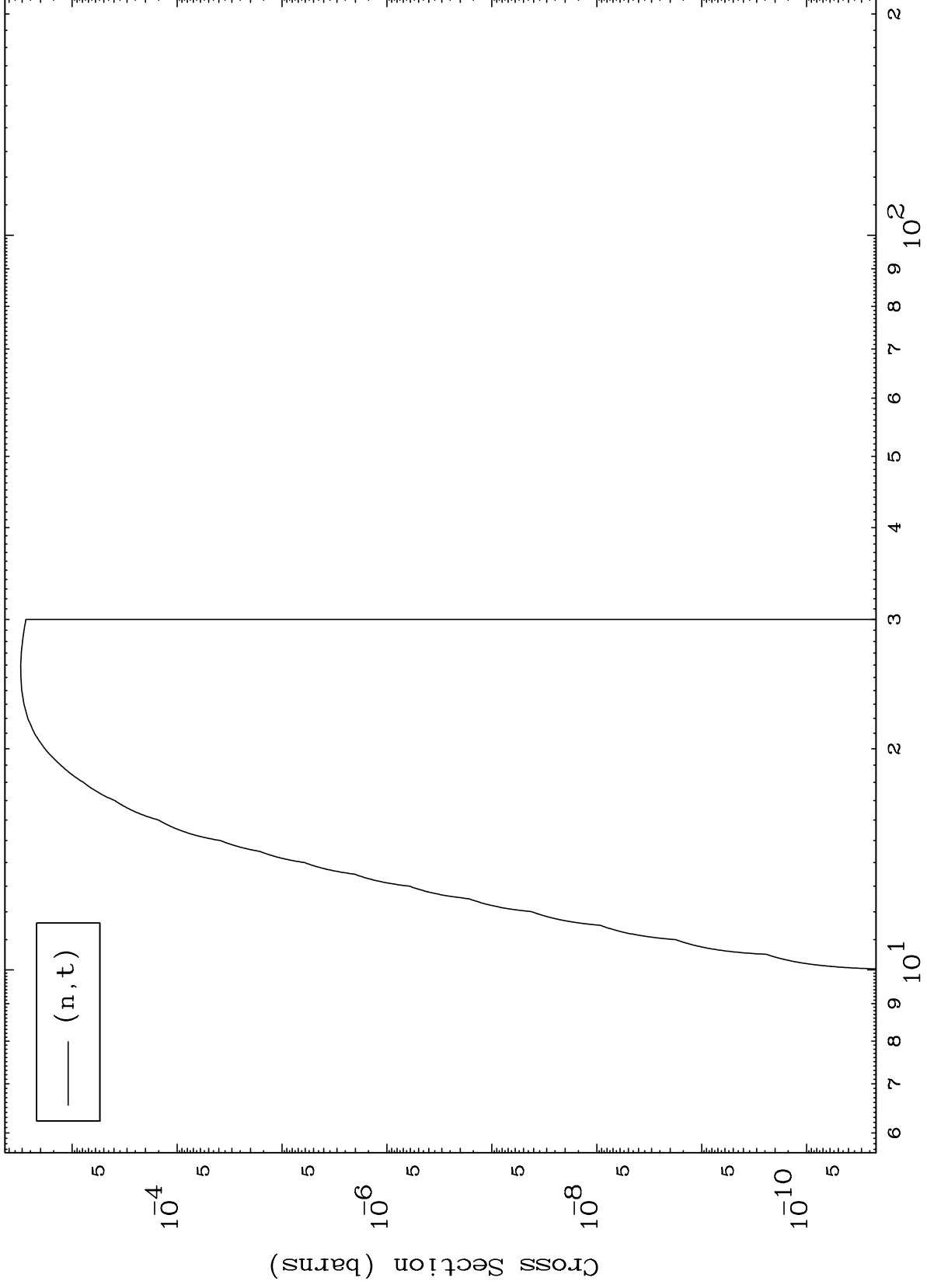
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-151



14

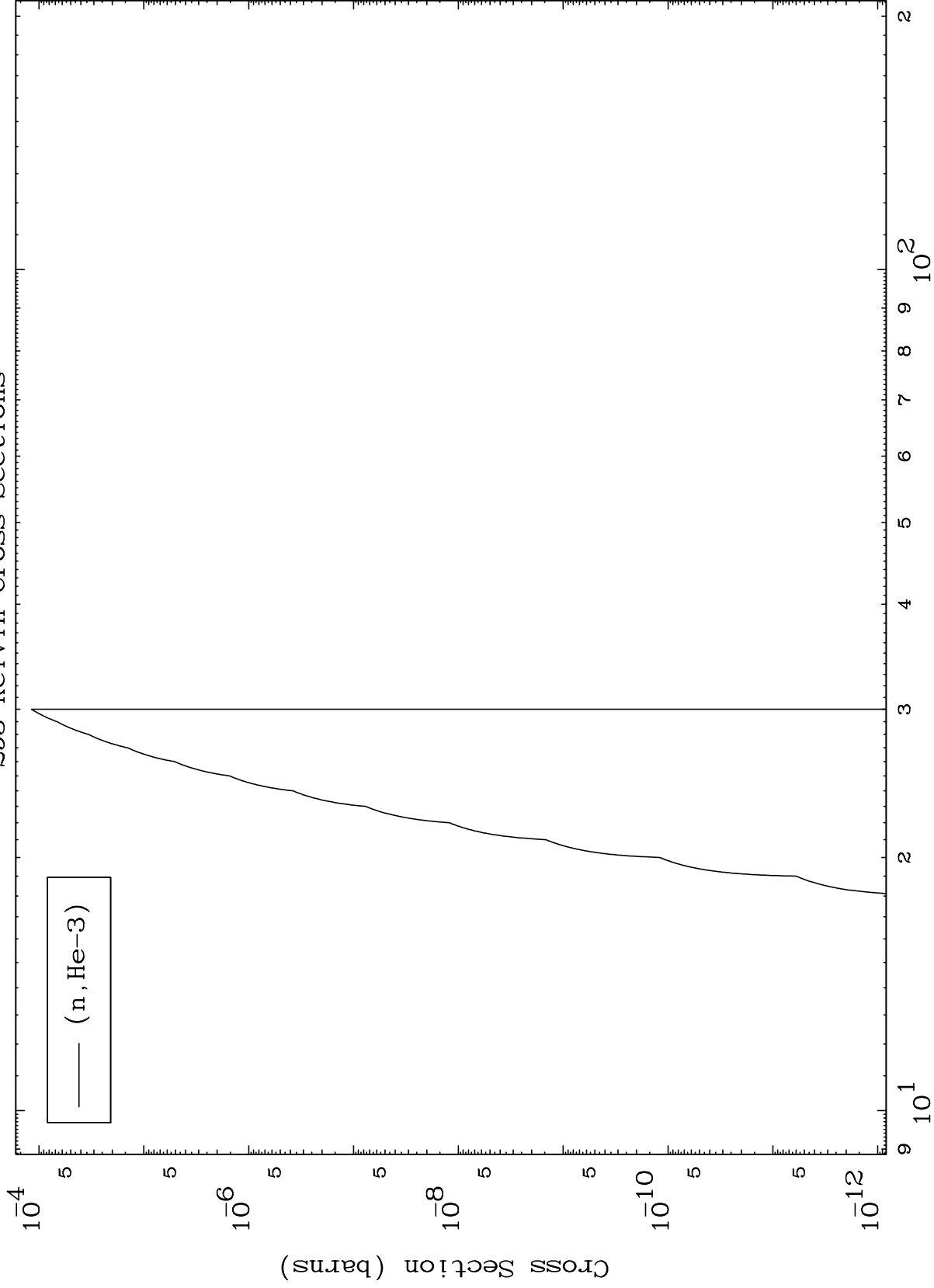
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-151



15

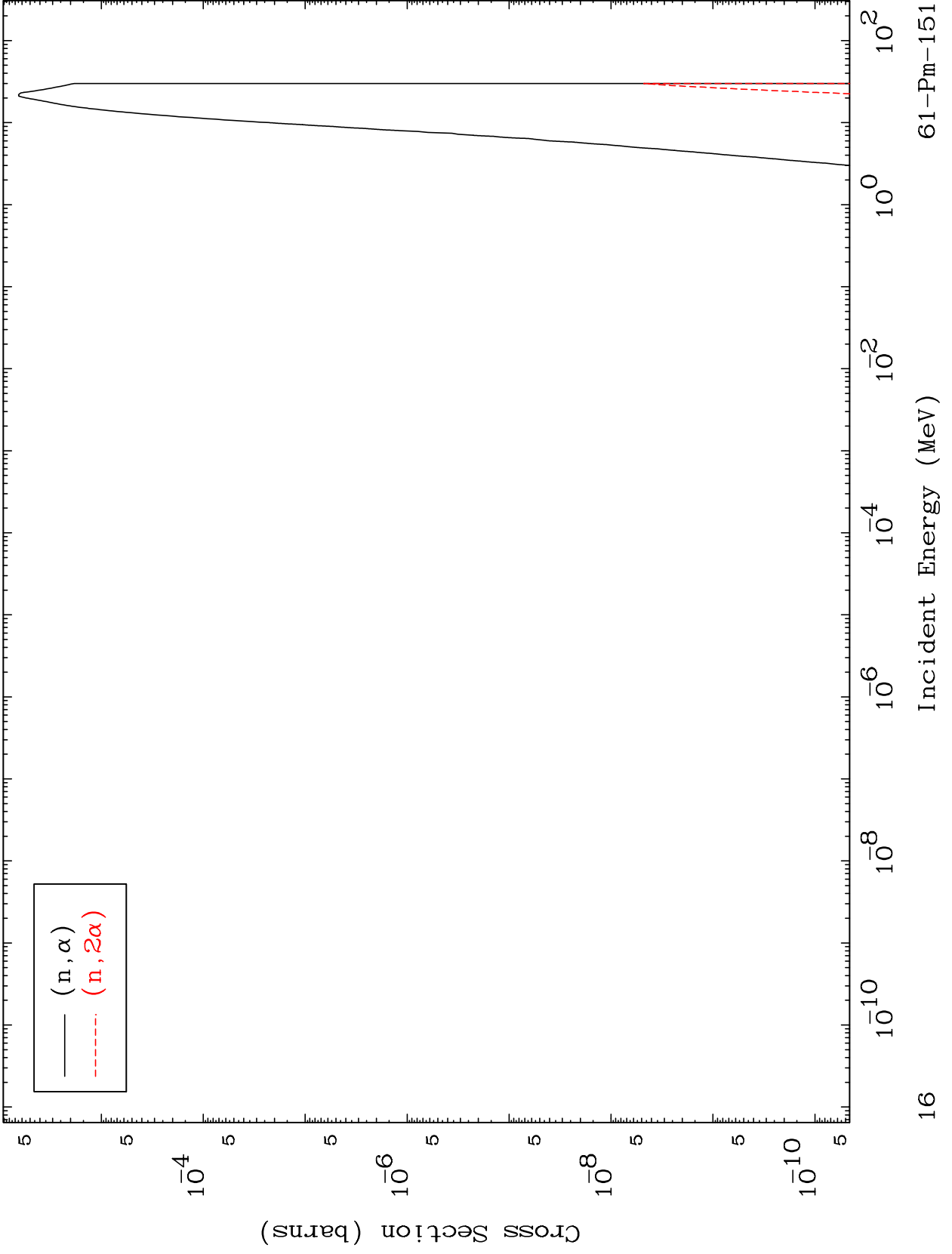
Incident Energy (MeV)

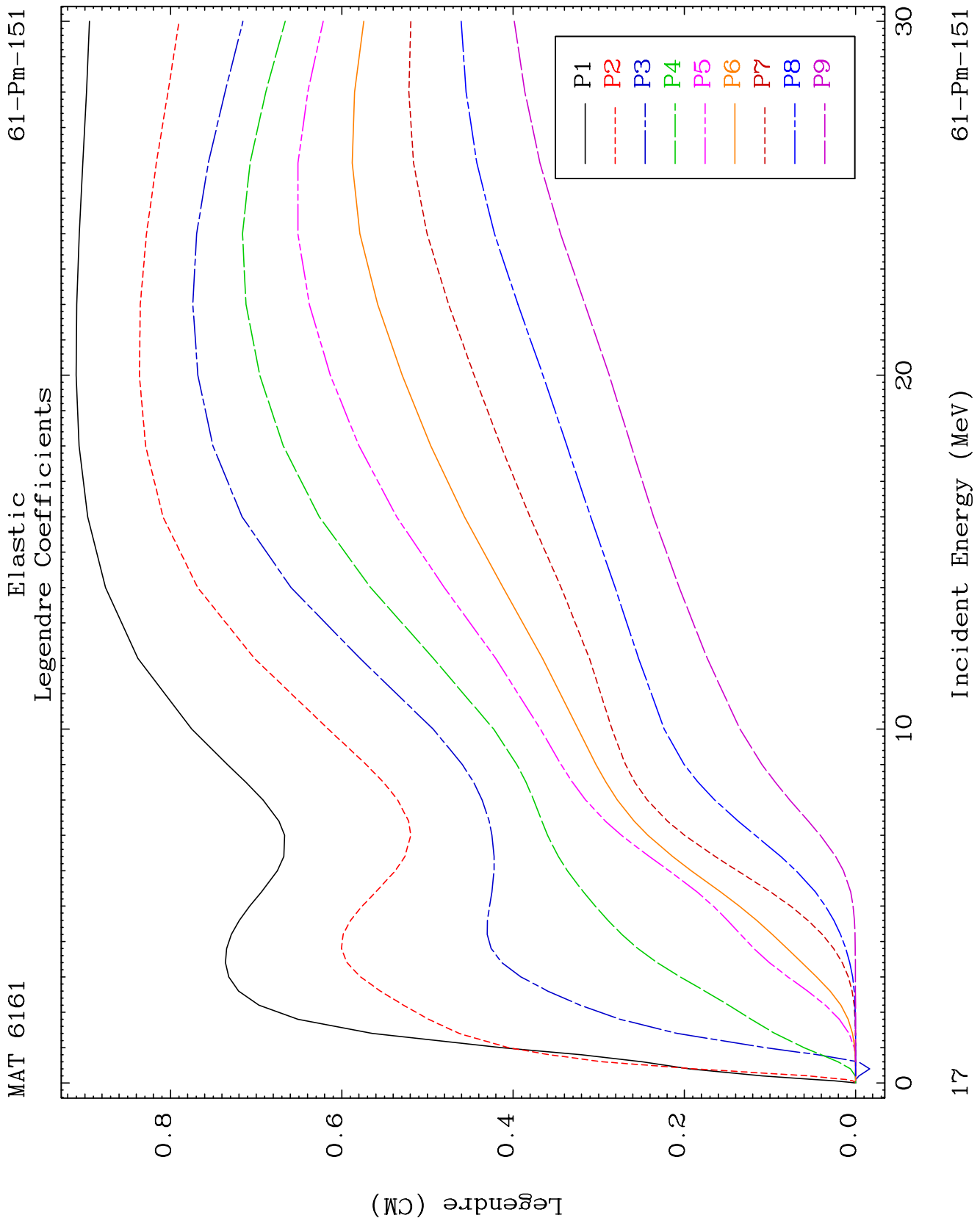
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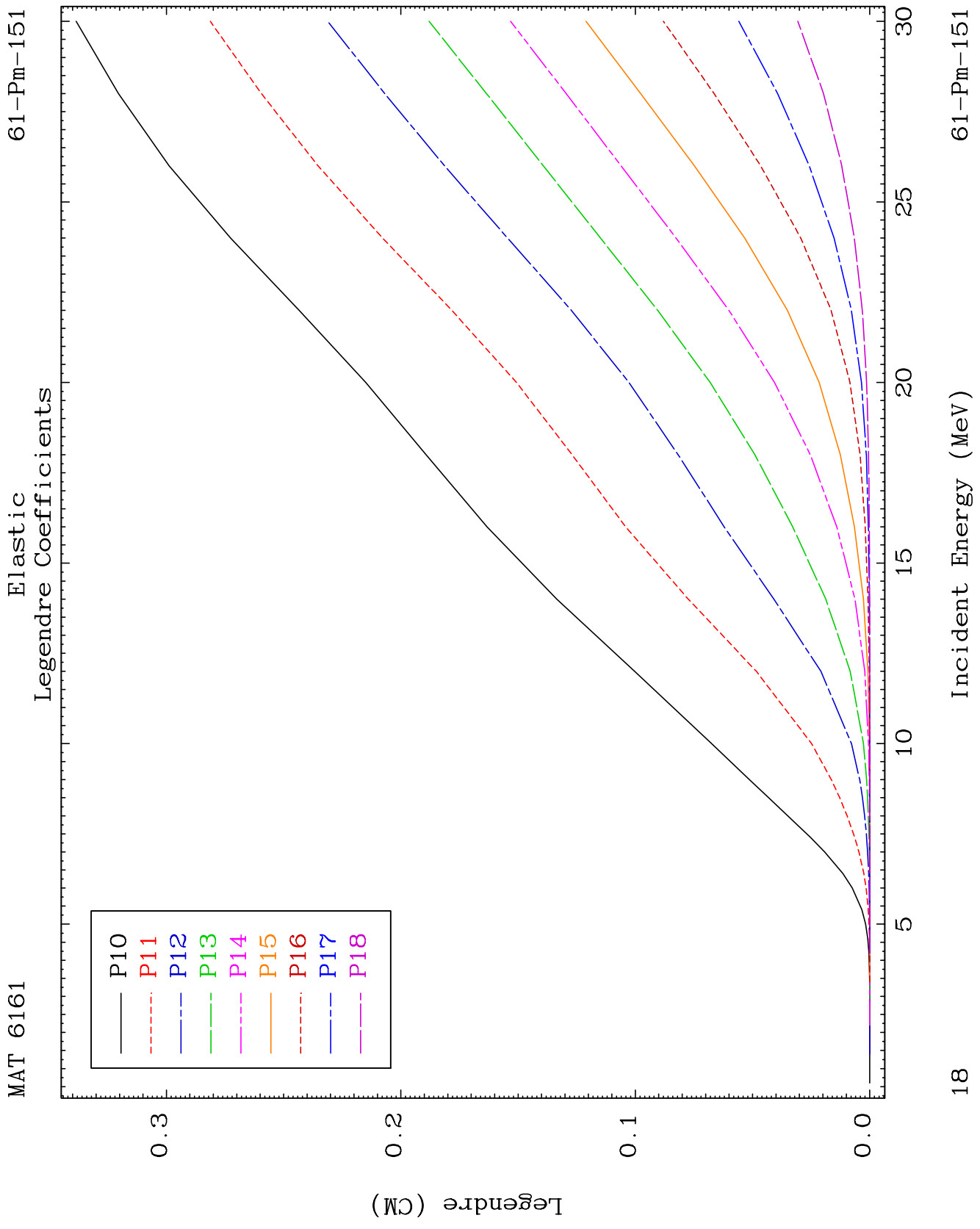
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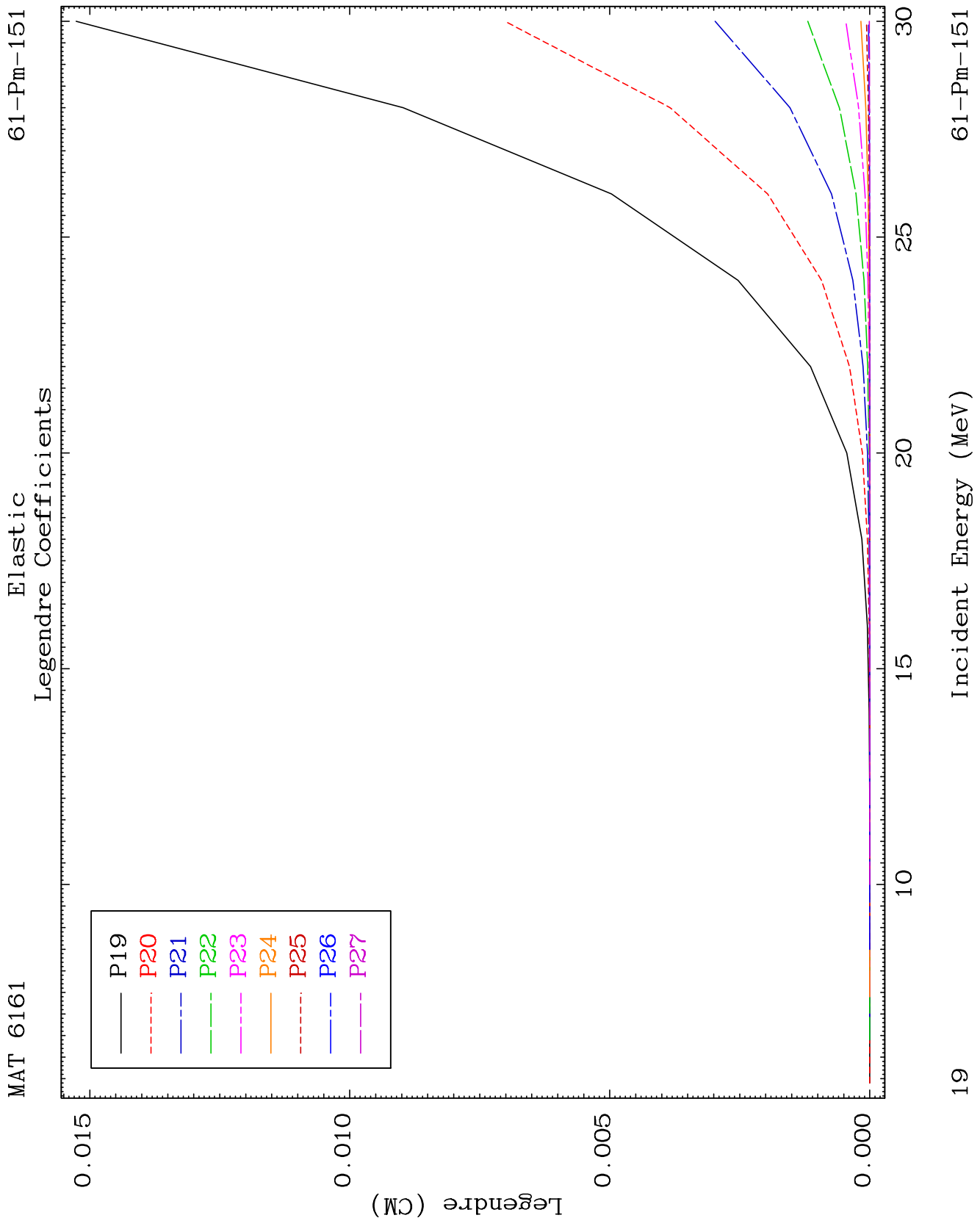
(n, α) Levels
293 Kelvin Cross Sections

61-Pm-151





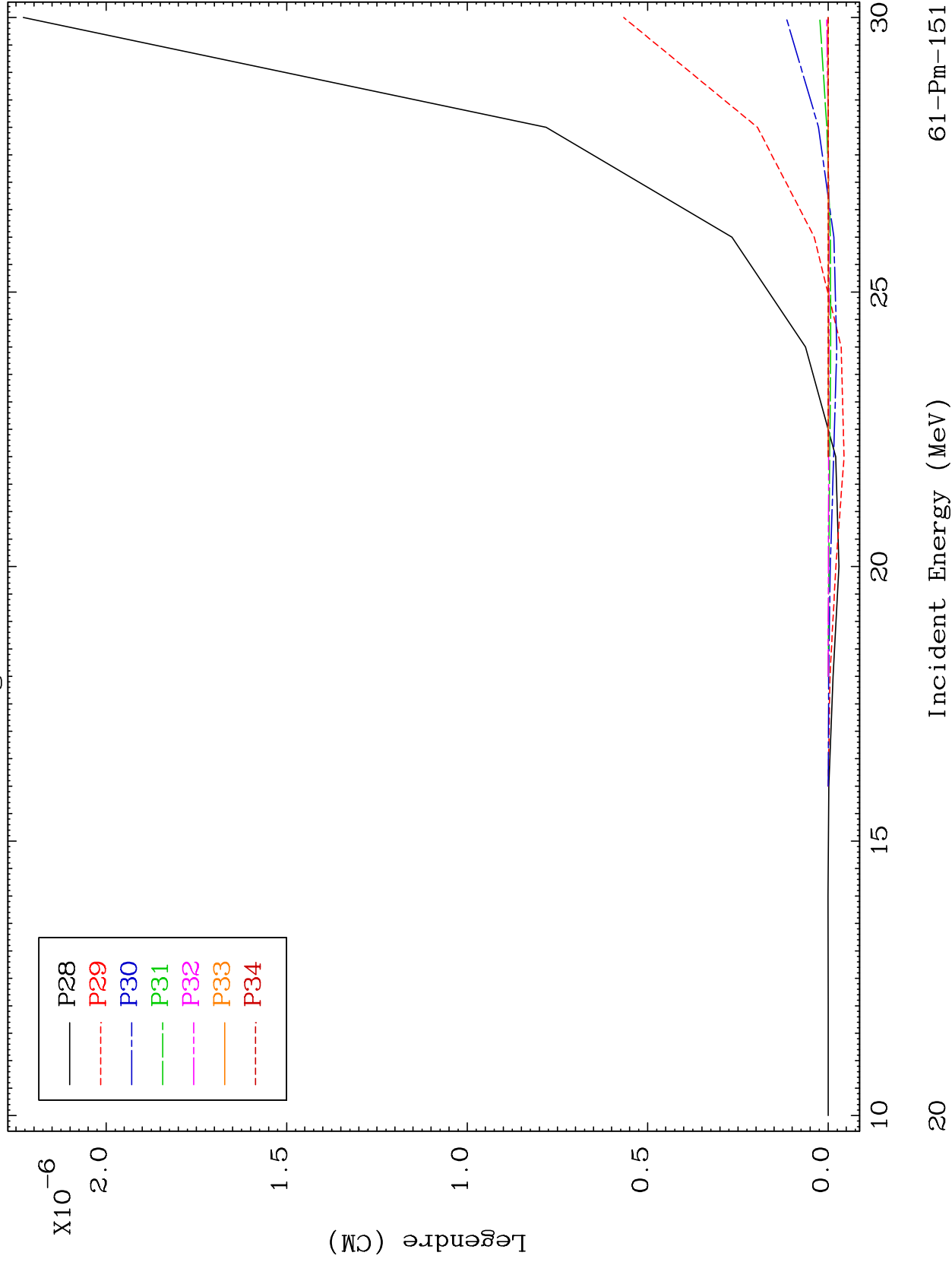




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Elastic
Legendre Coefficients

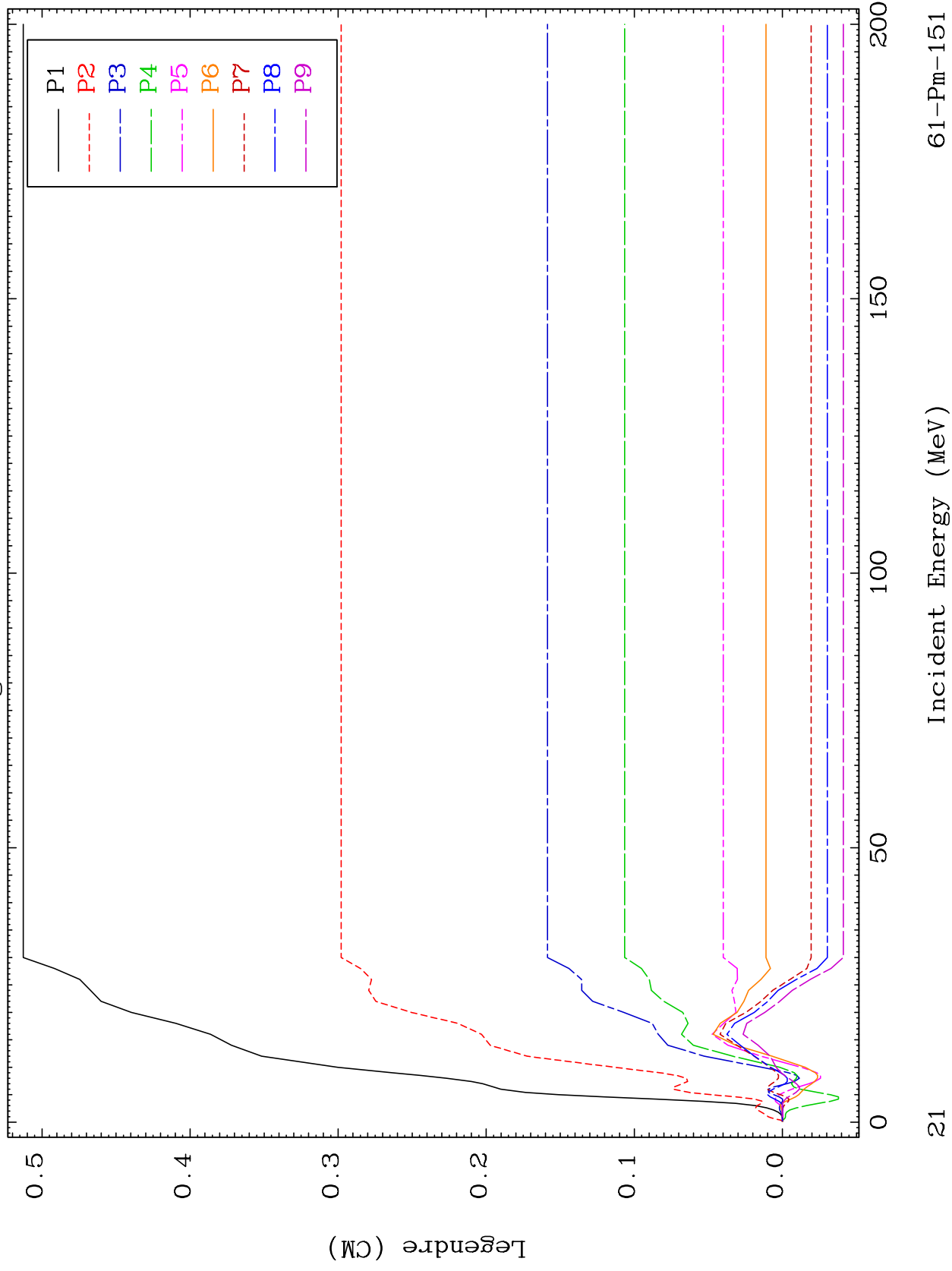
61-Pm-151



MAT 6161

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

61-Pm-151

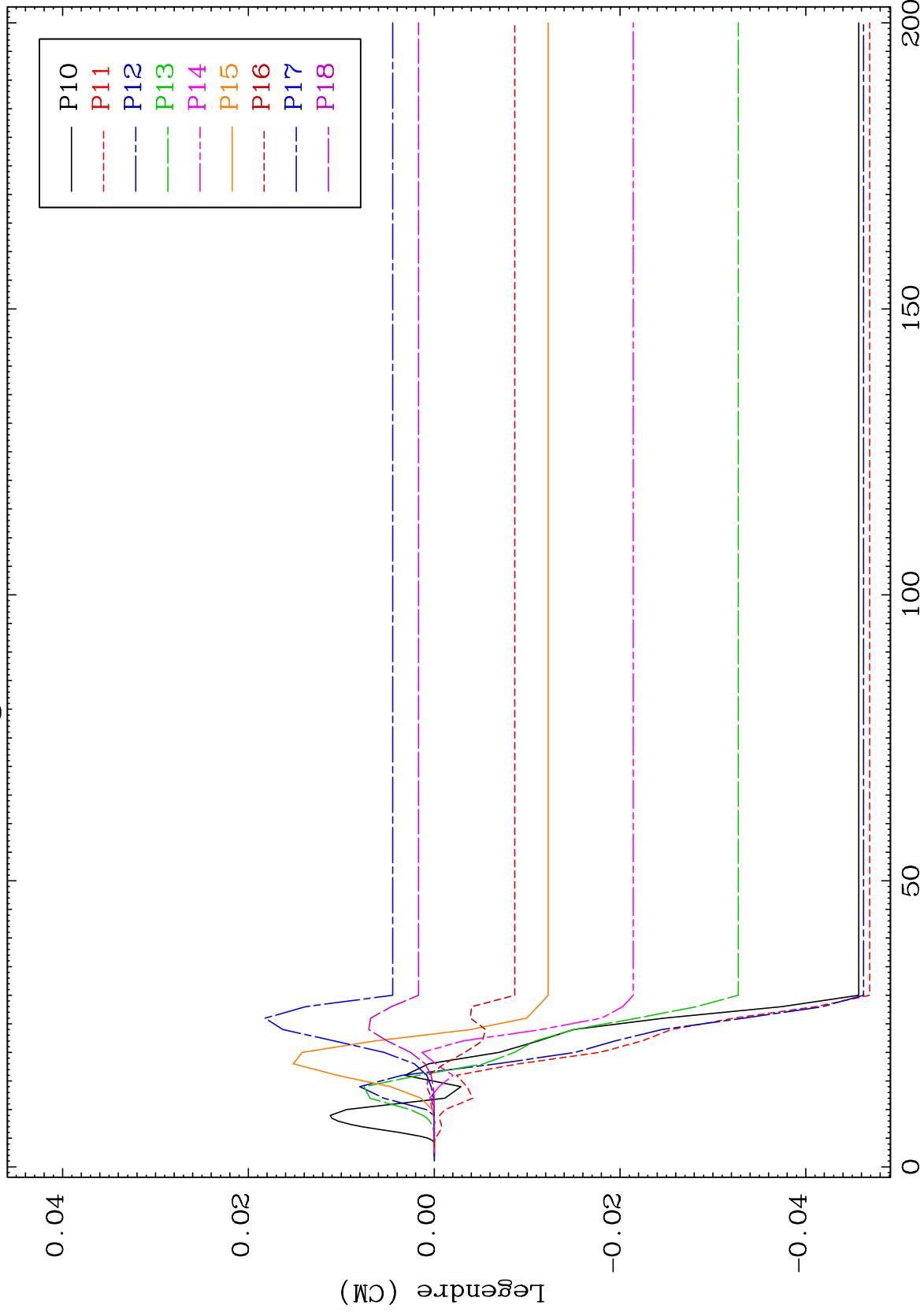


21

MAT 6161

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

61-Pm-151



22

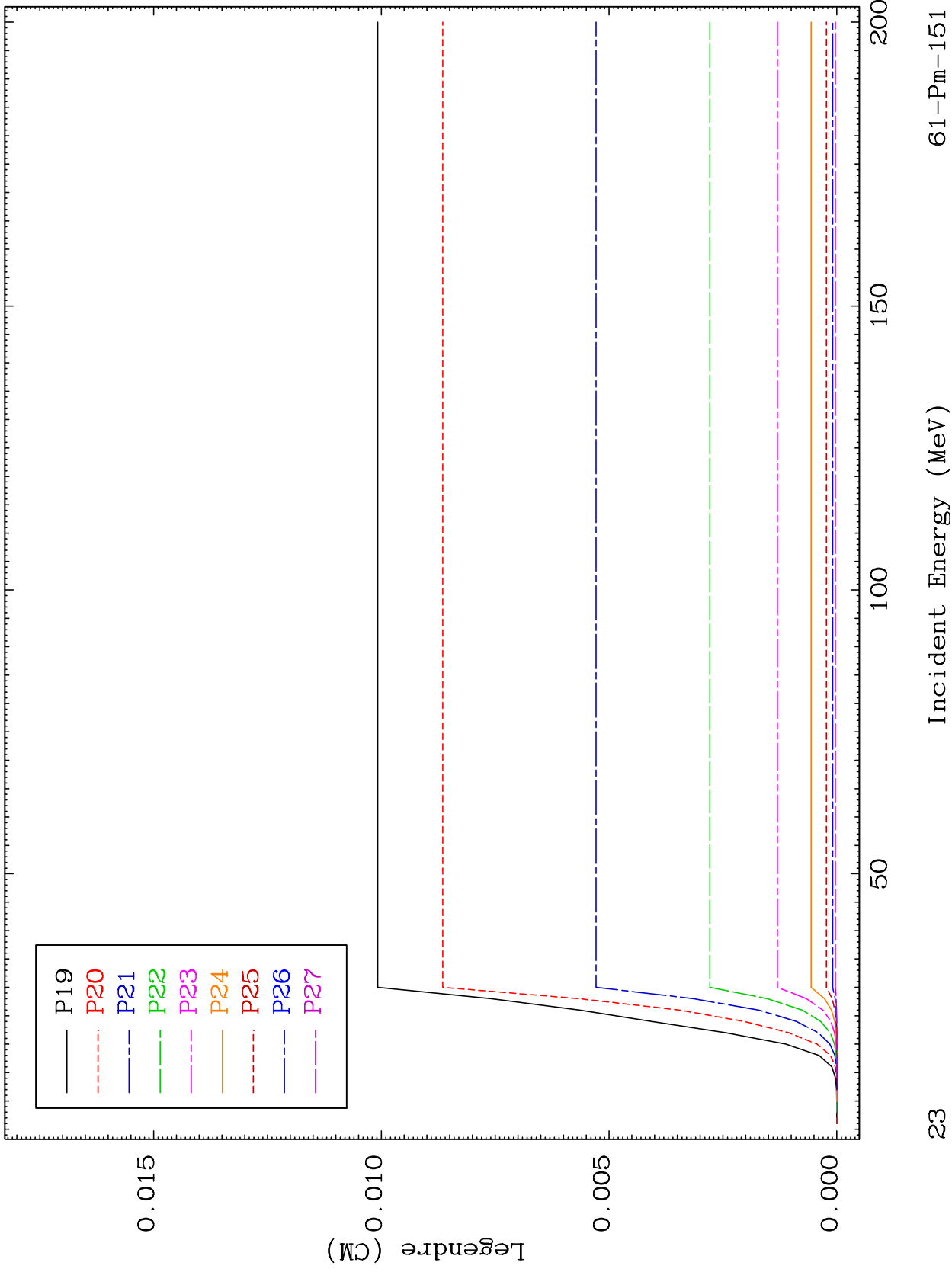
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

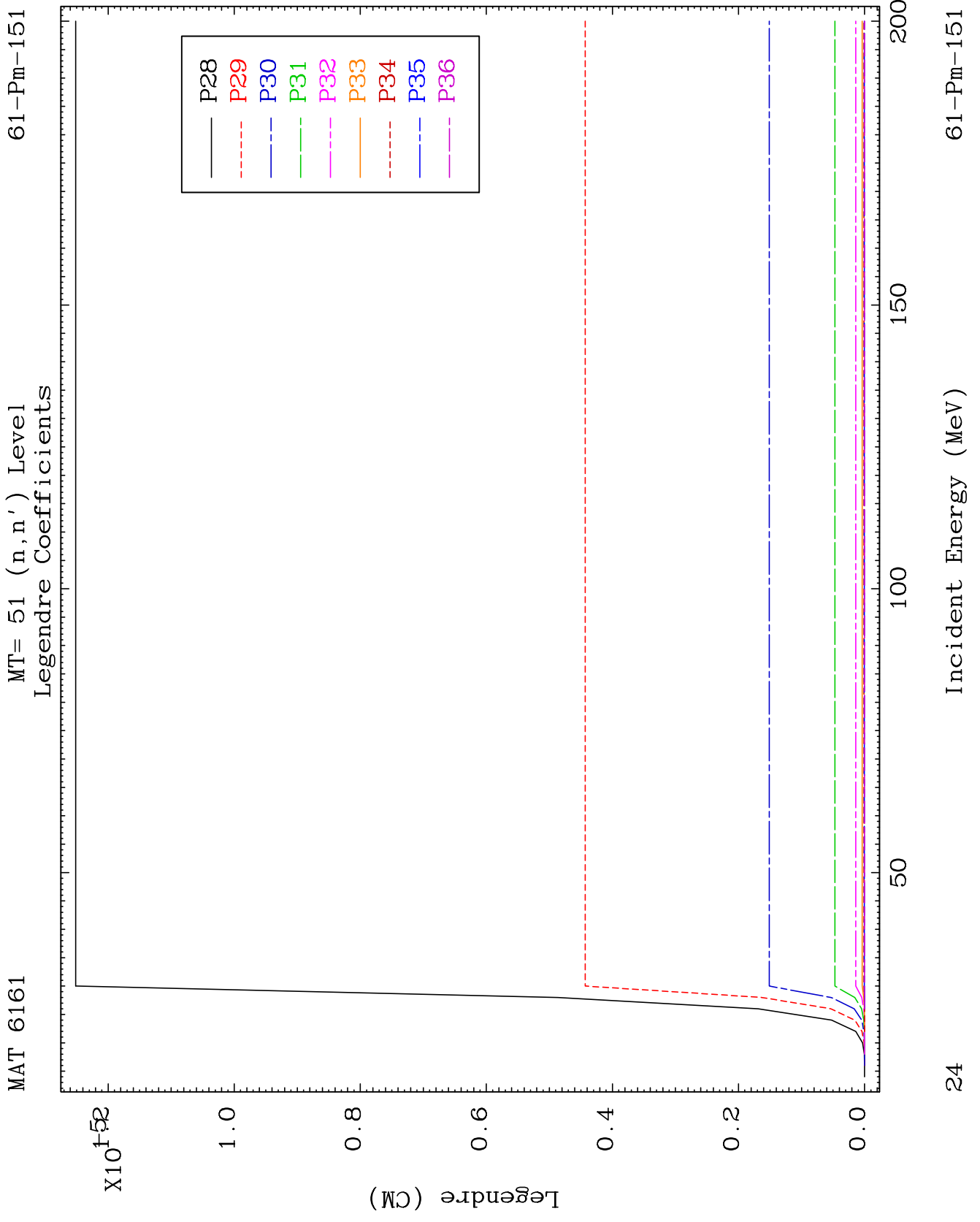
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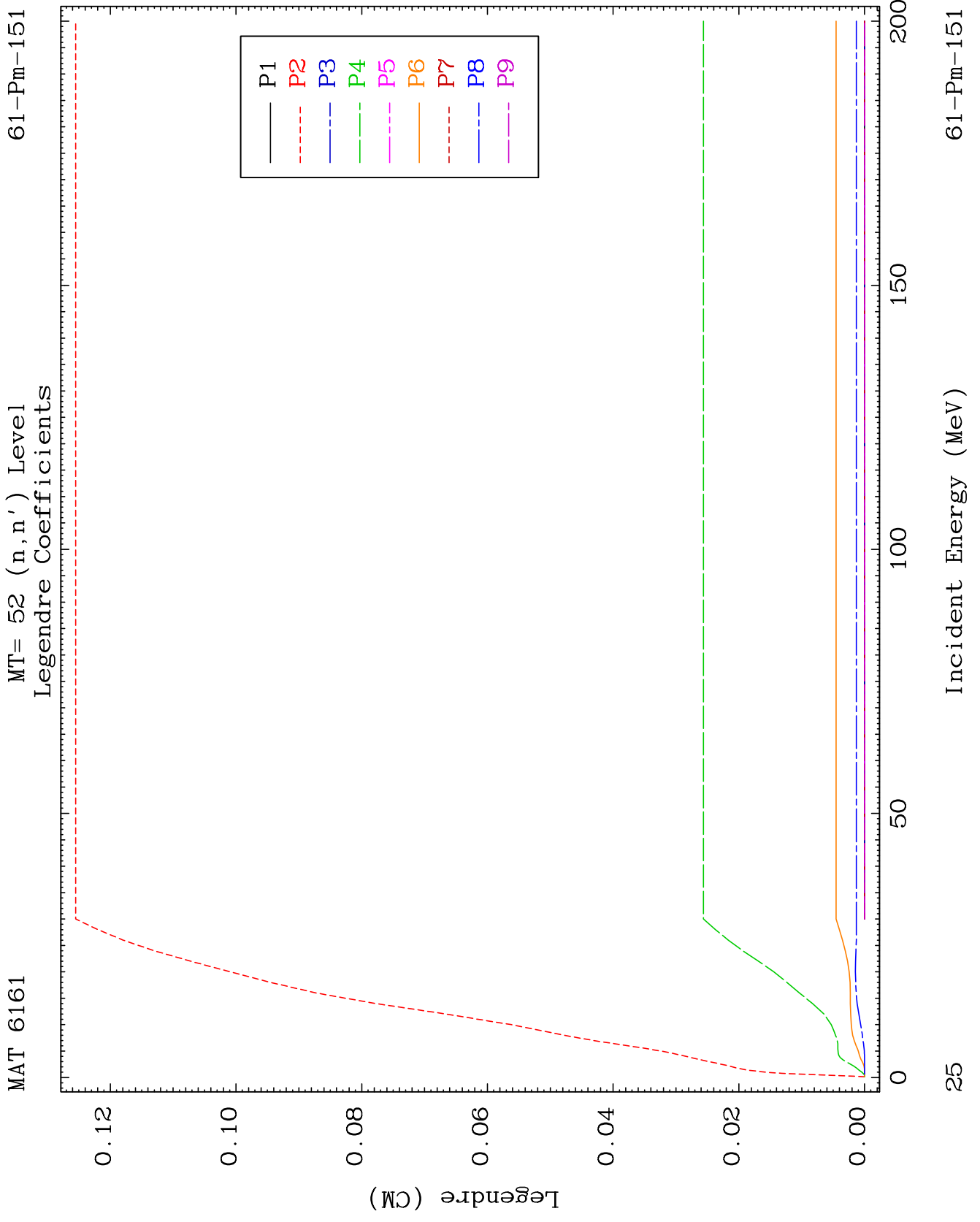


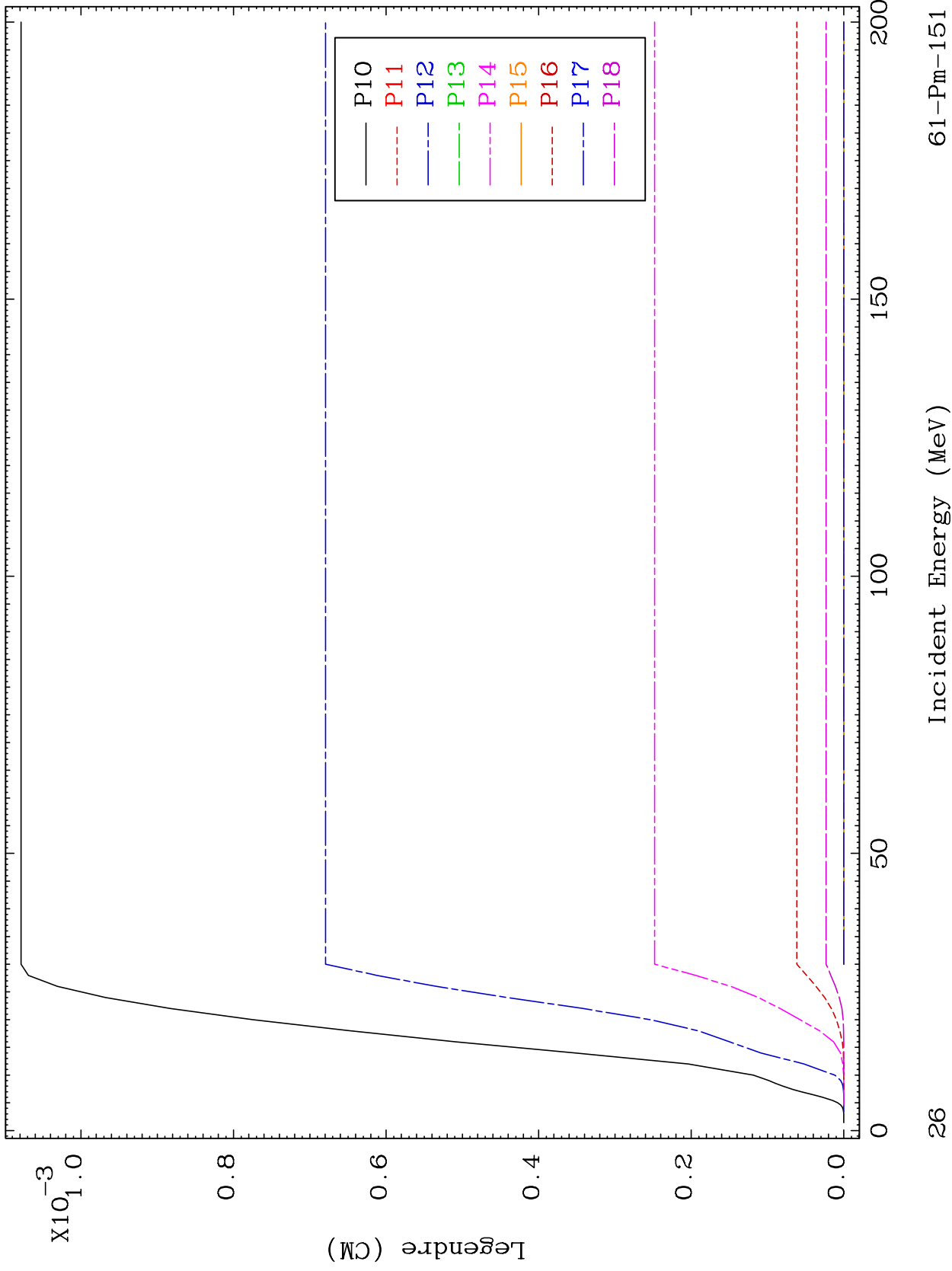
23

Incident Energy (MeV)

61-Pm-151



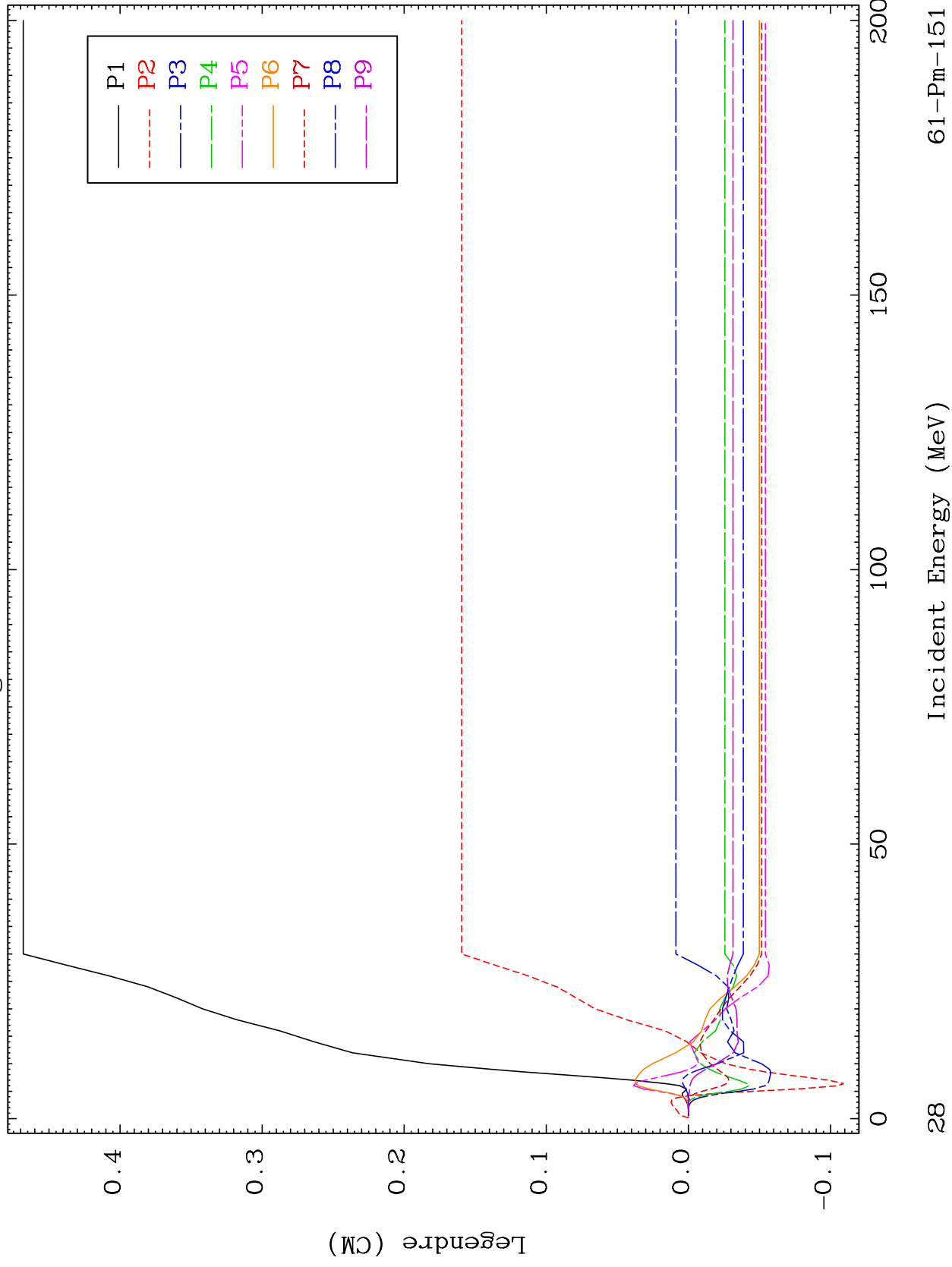




MAT 6161

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

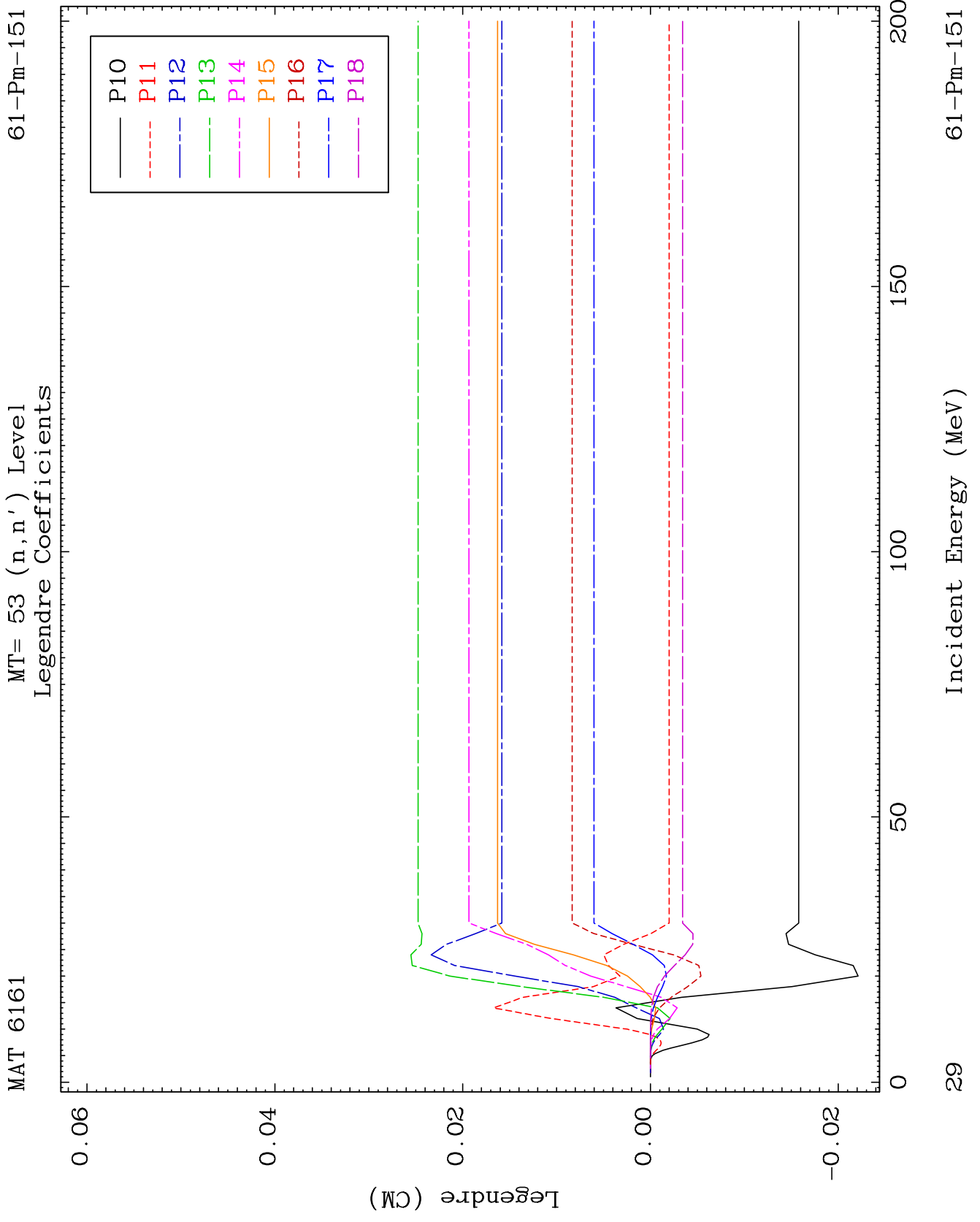
61-Pm-151



61-Pm-151

Incident Energy (MeV)

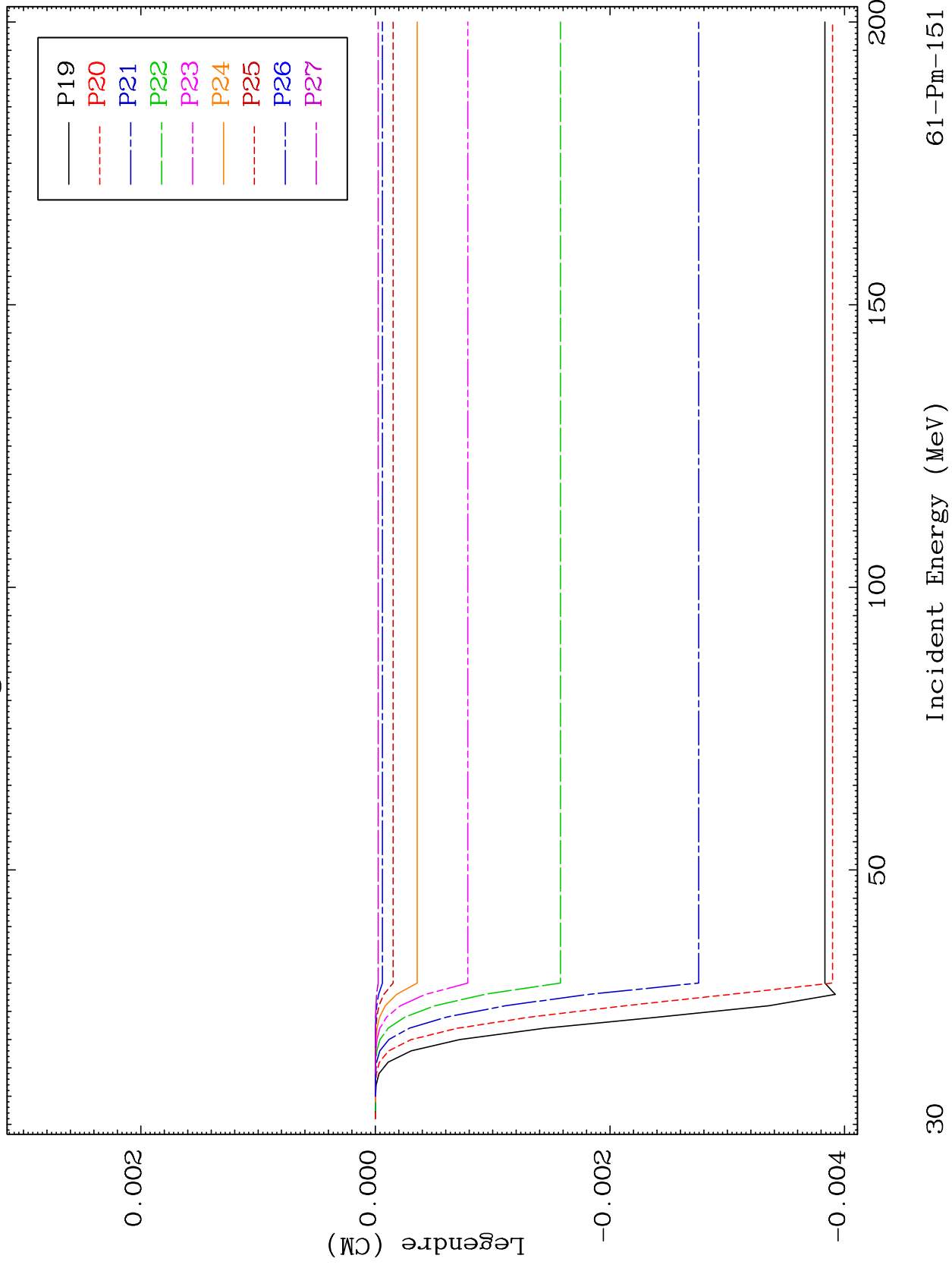
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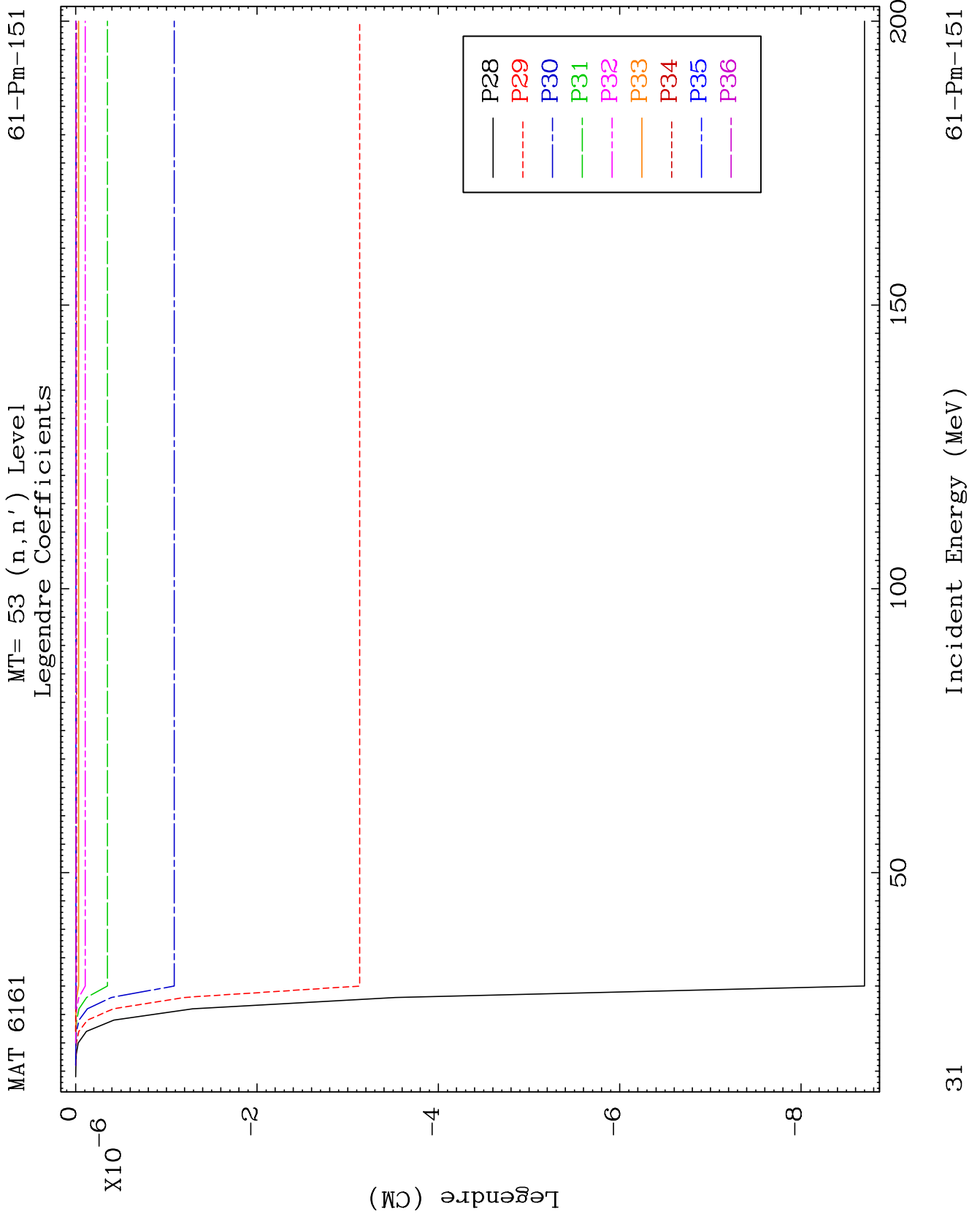


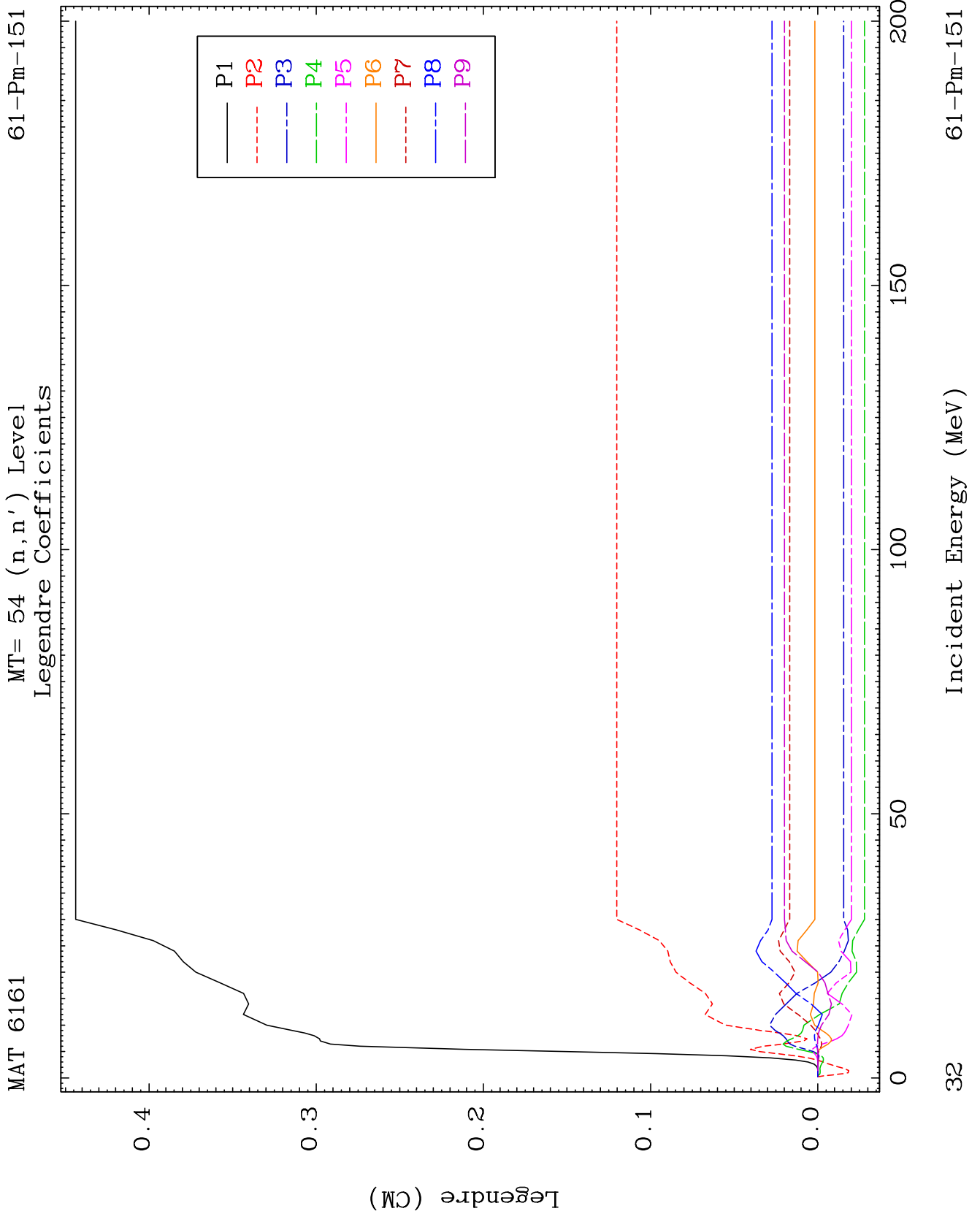
MAT 6161

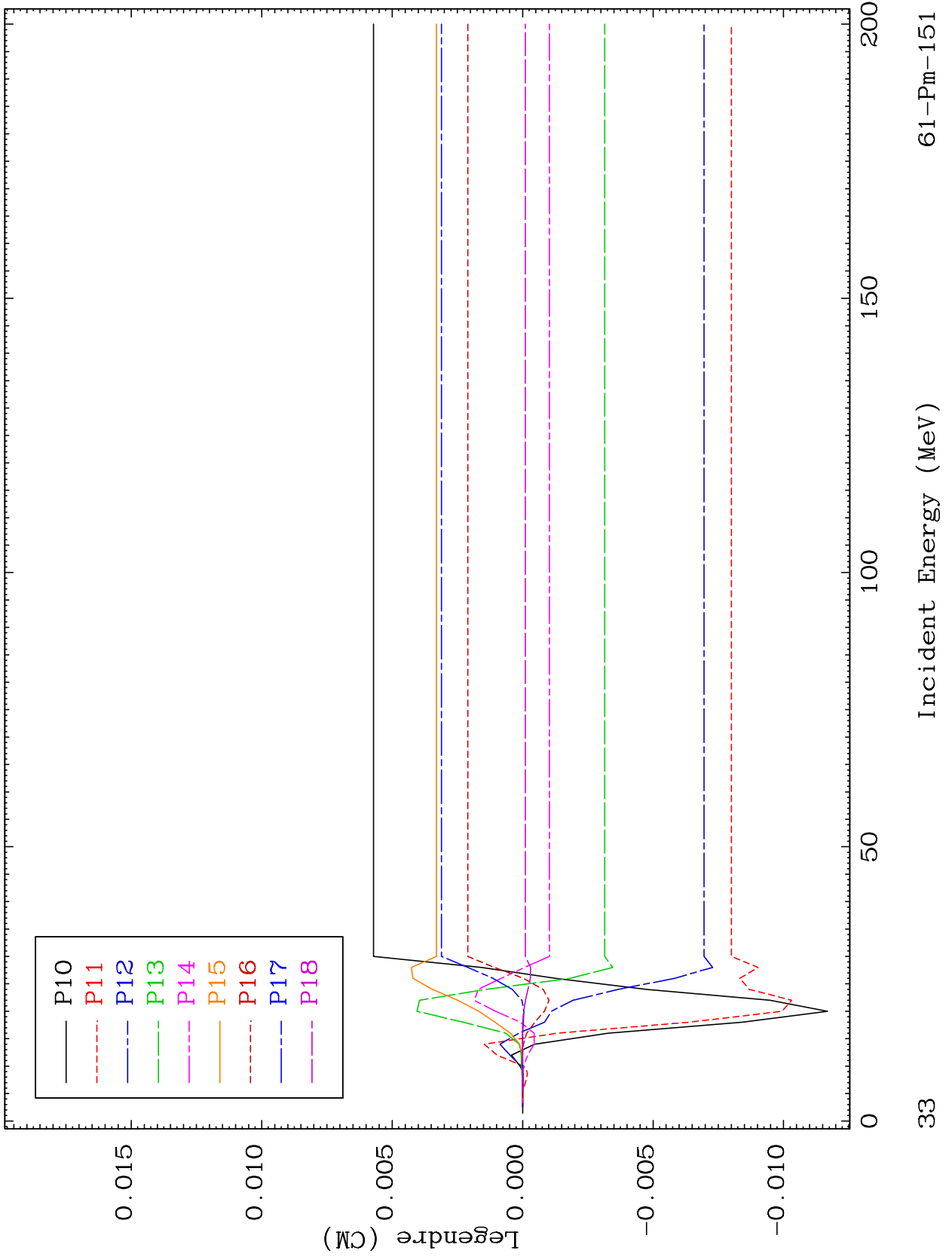
MT= 53 (n,n') Level
Legendre Coefficients

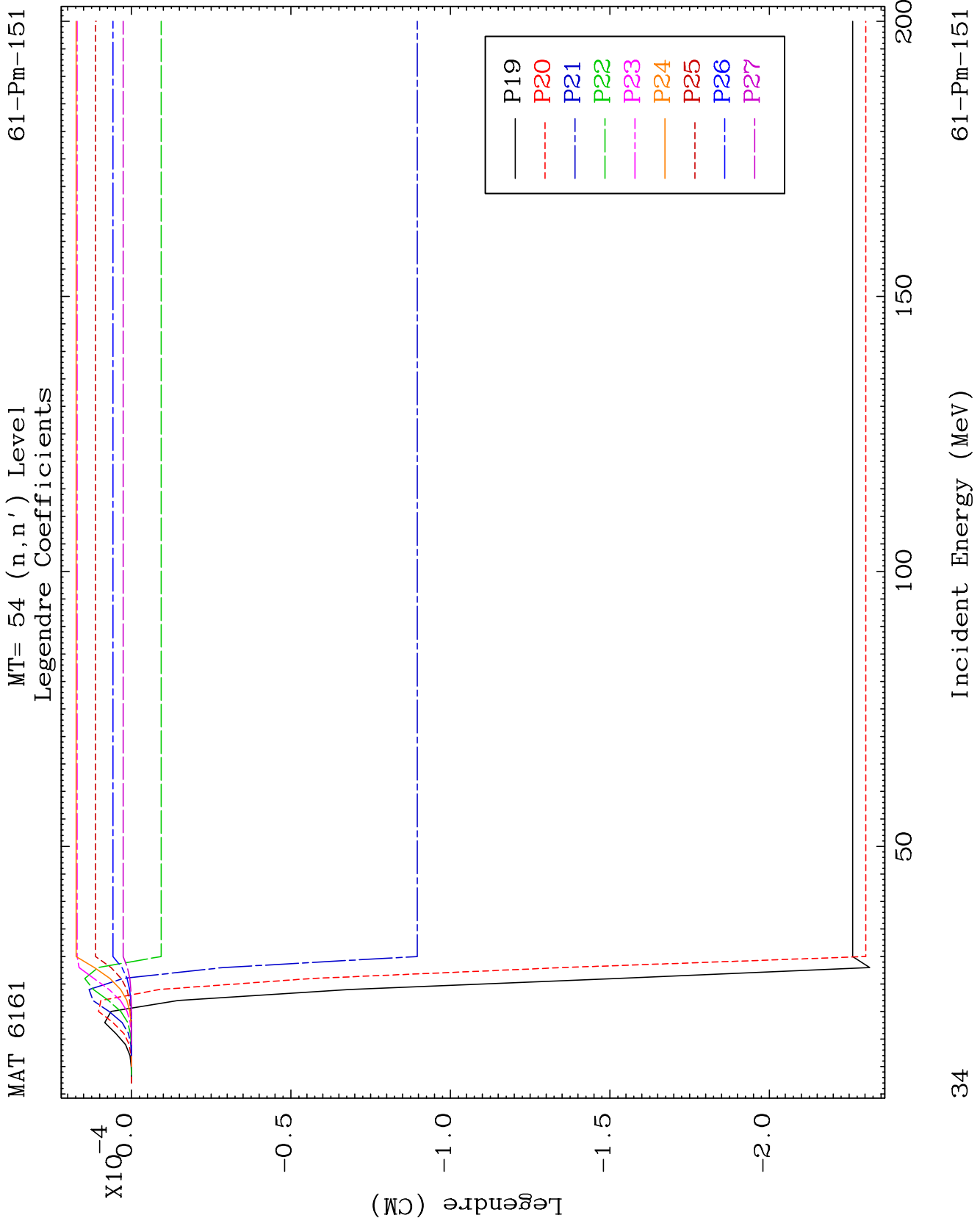
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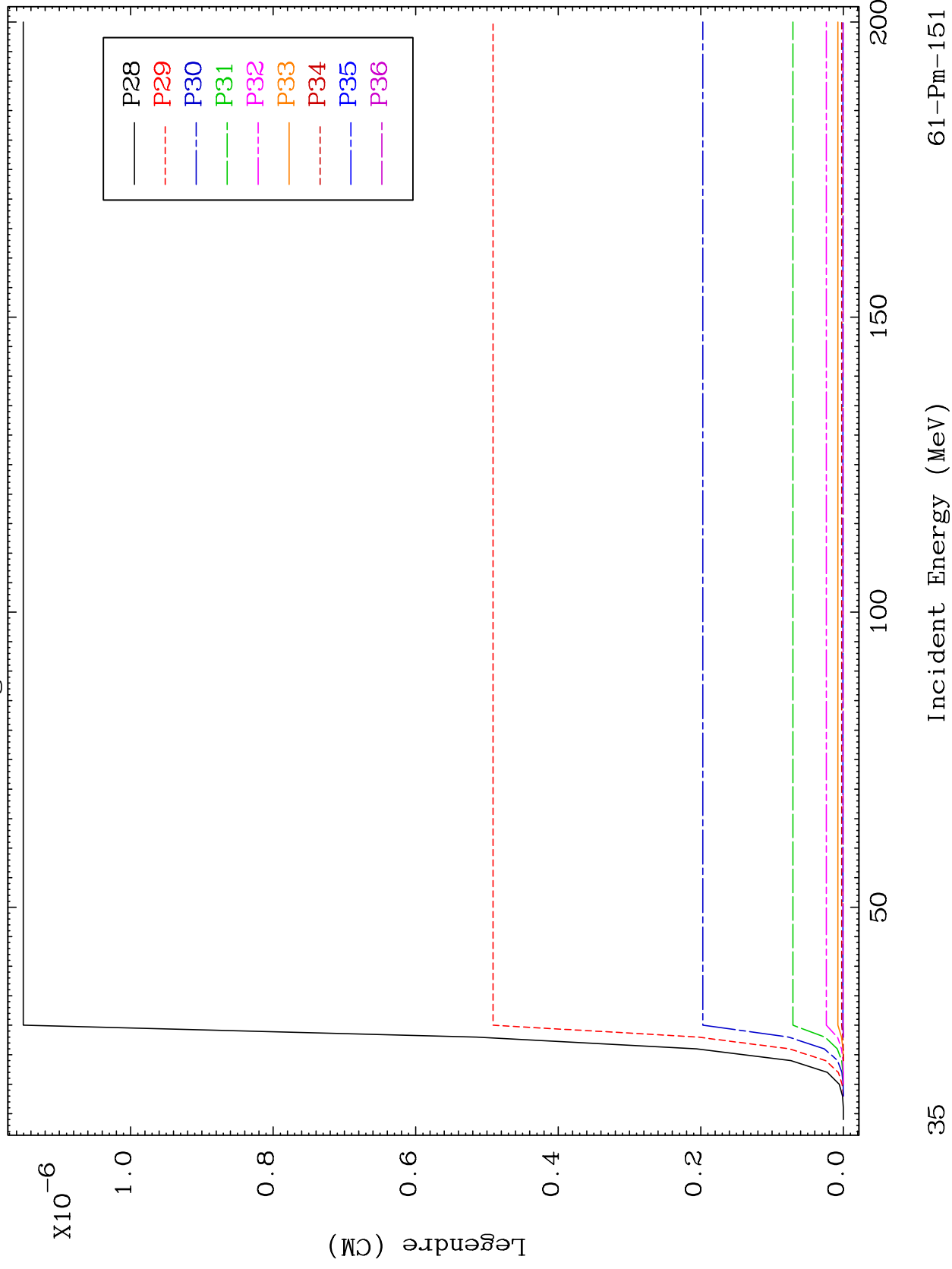


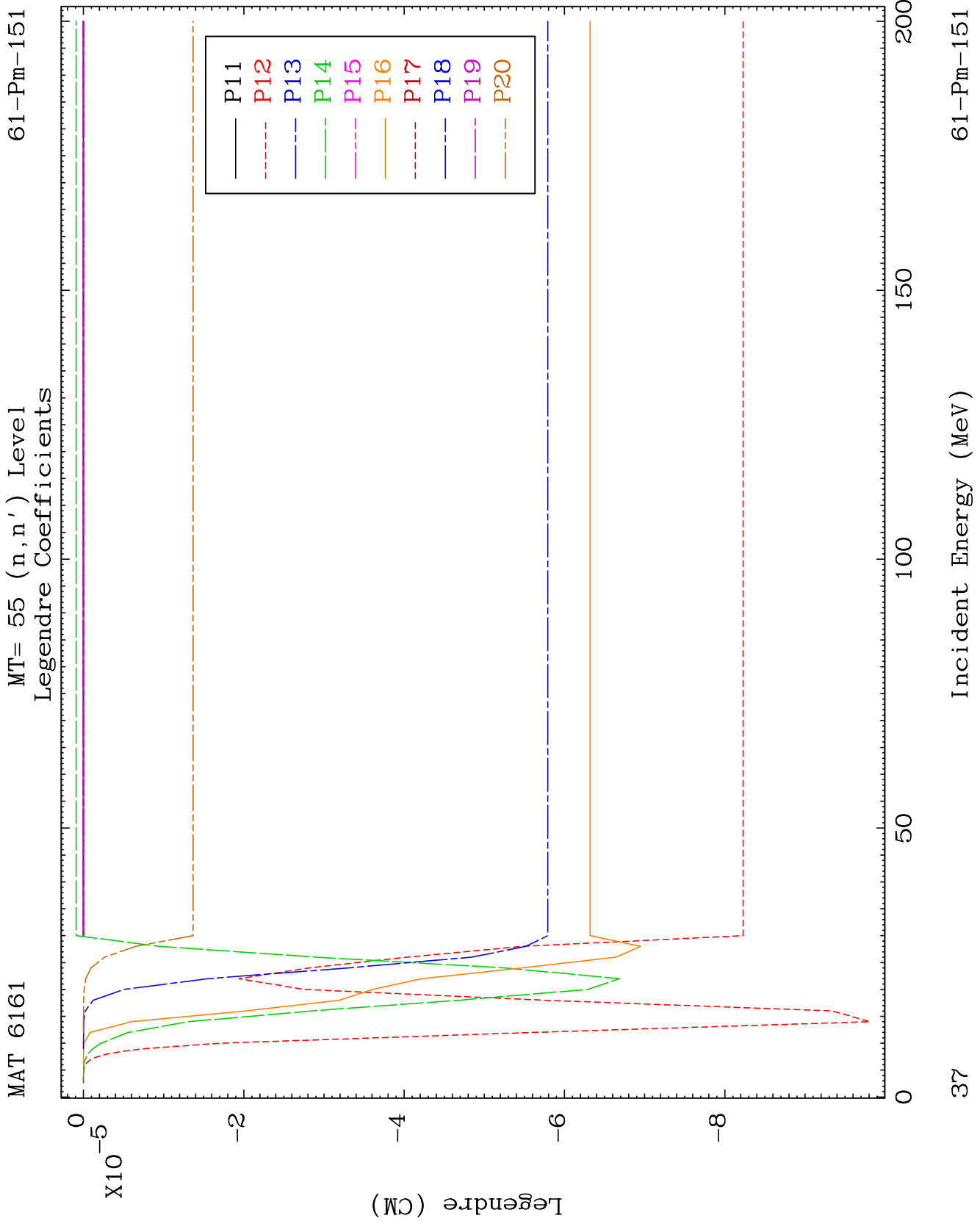


MAT 6161

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

61-Pm-151

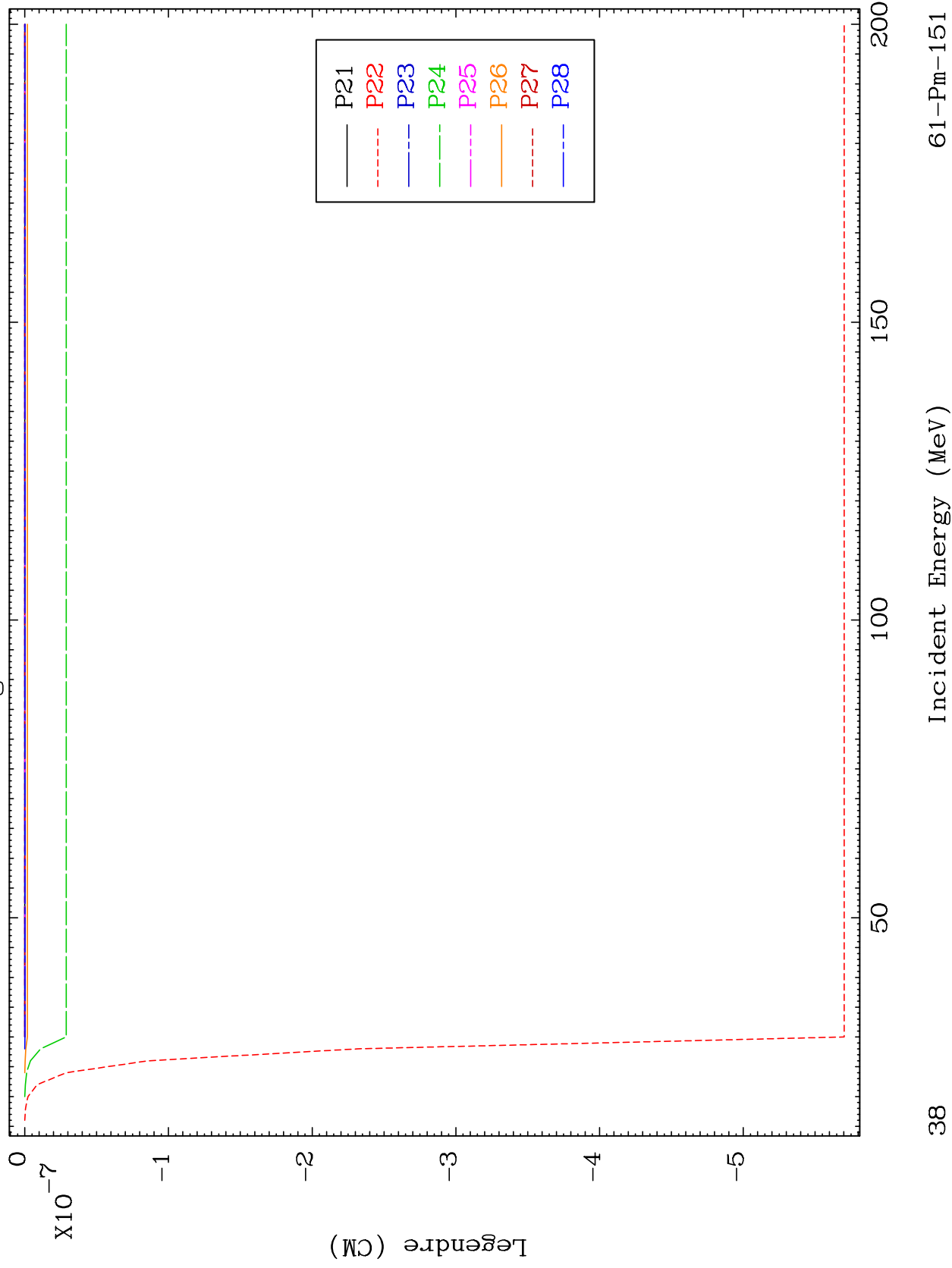




MAT 6161

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

61-Pm-151



38

Incident Energy (MeV)

61-Pm-151

200

150

100

50

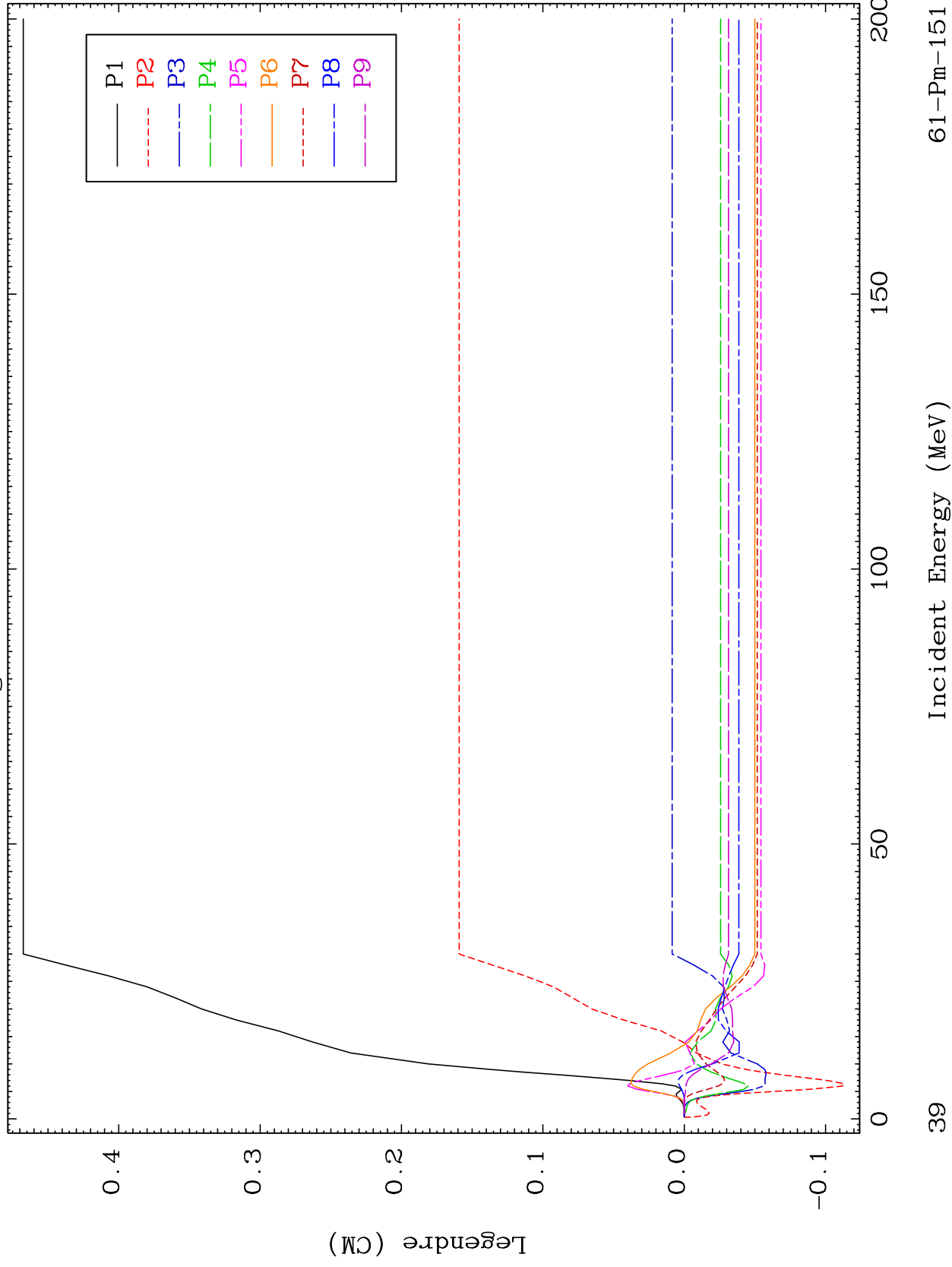
Legendre (CM)

10^{-7}

MAT 6161

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

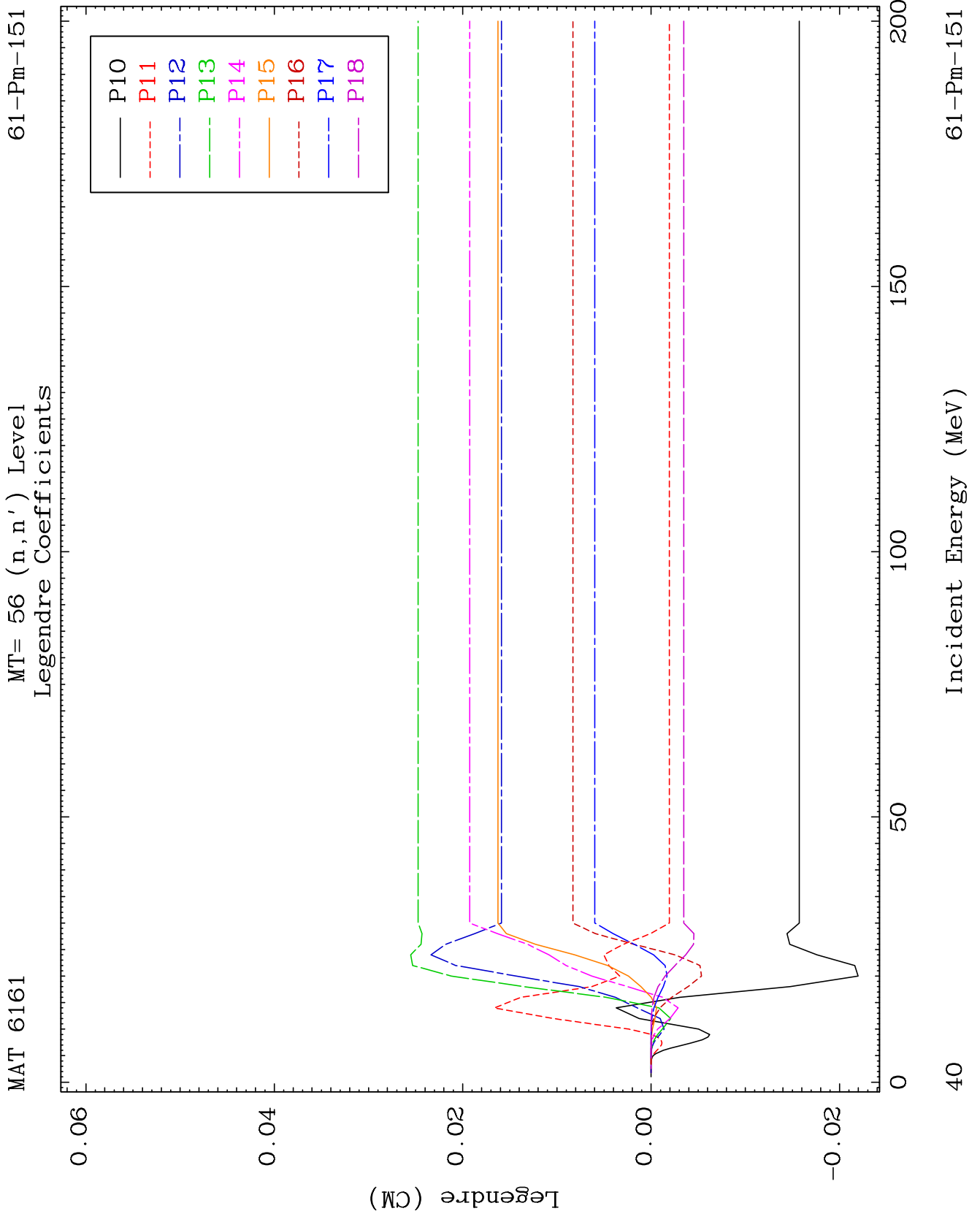
61-Pm-151



61-Pm-151

Incident Energy (MeV)

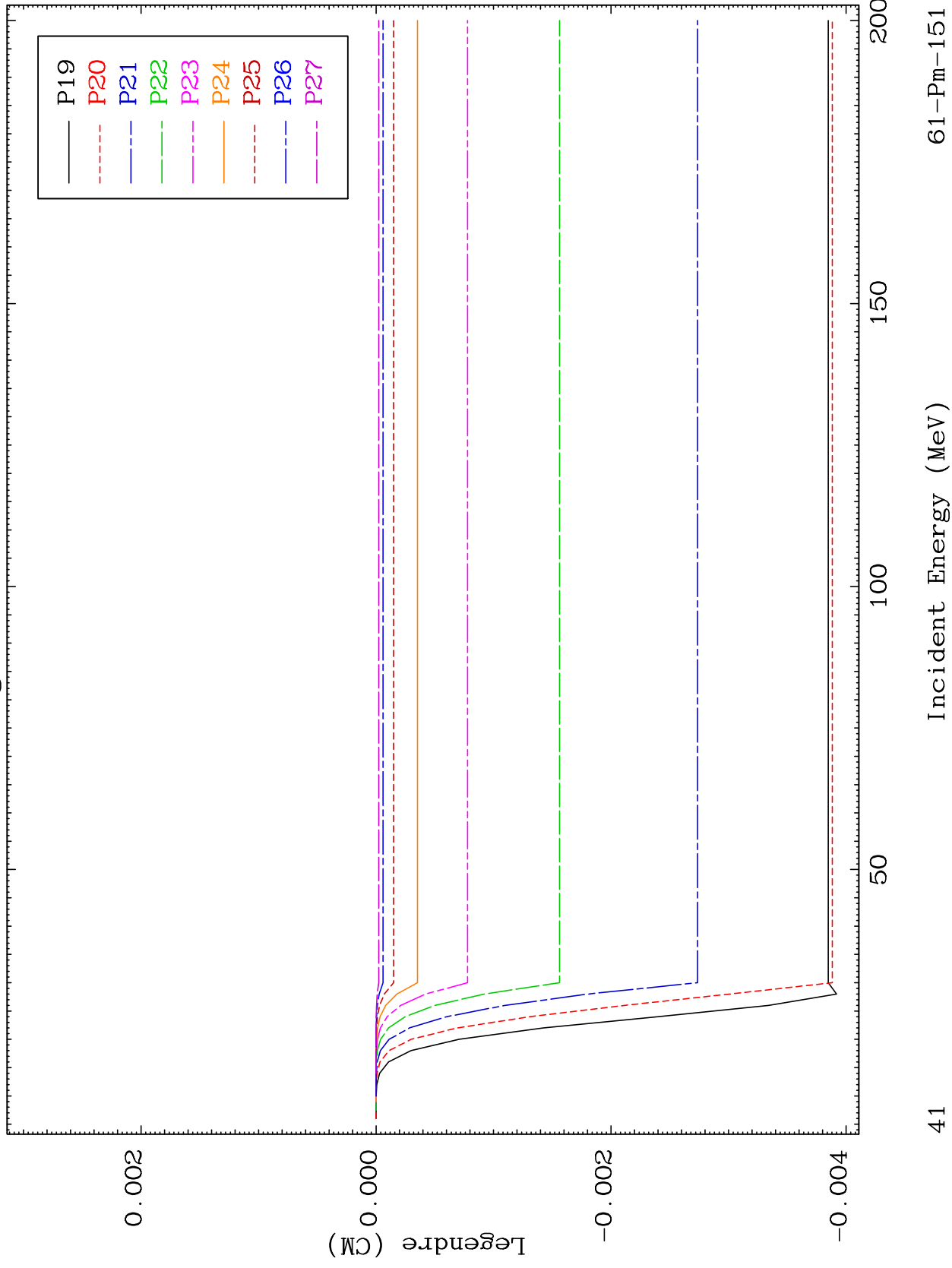
39



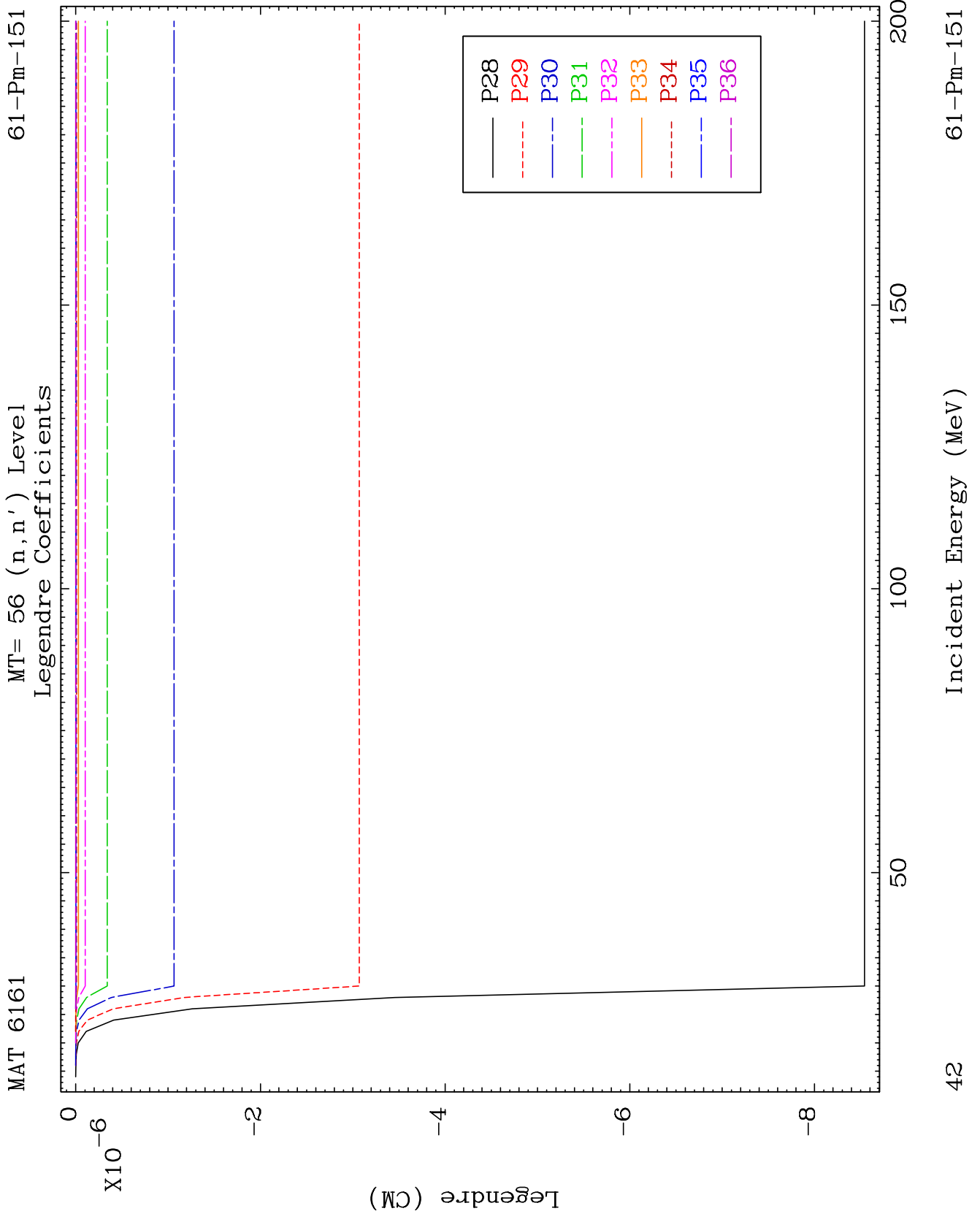
MAT 6161

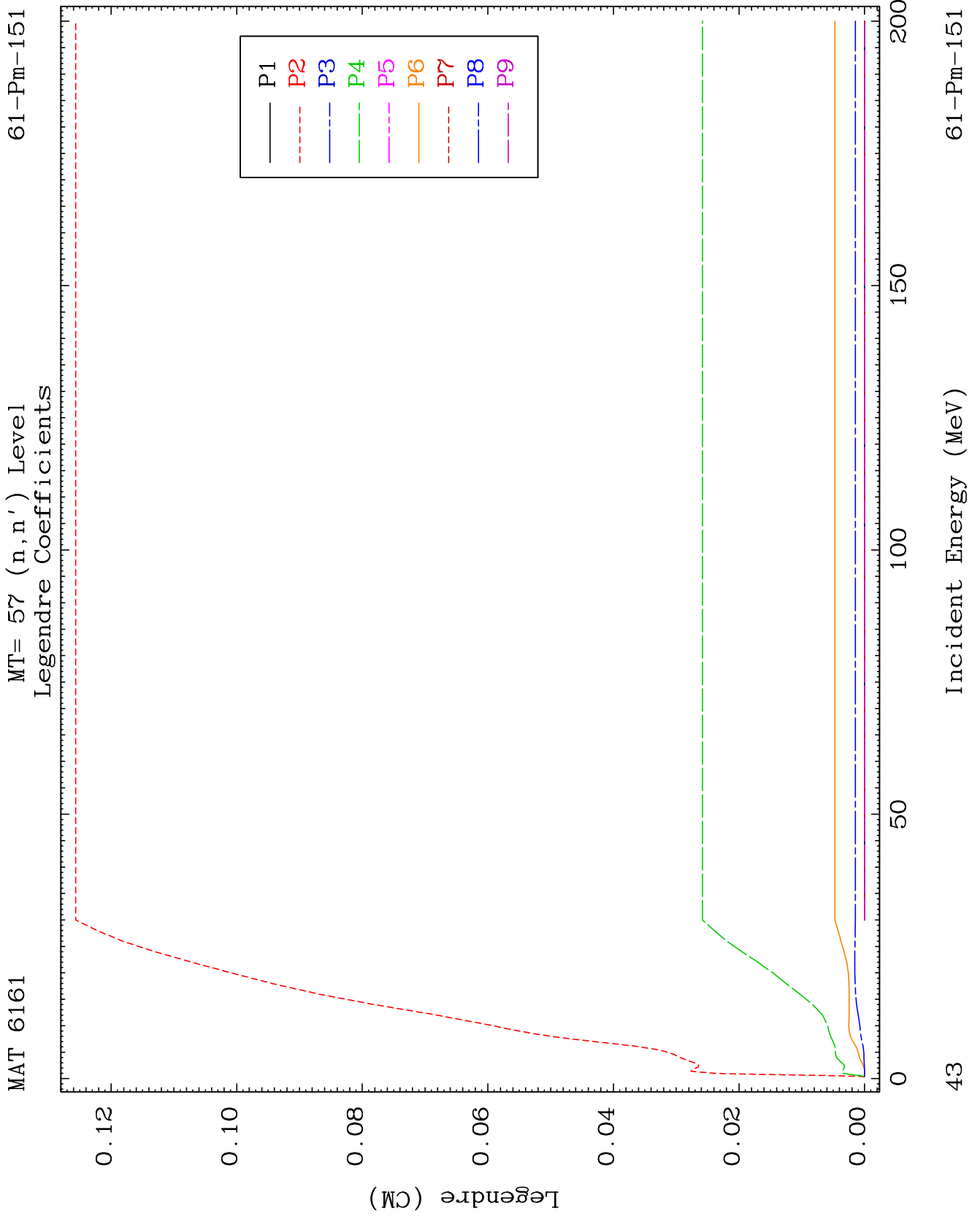
MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-151



41

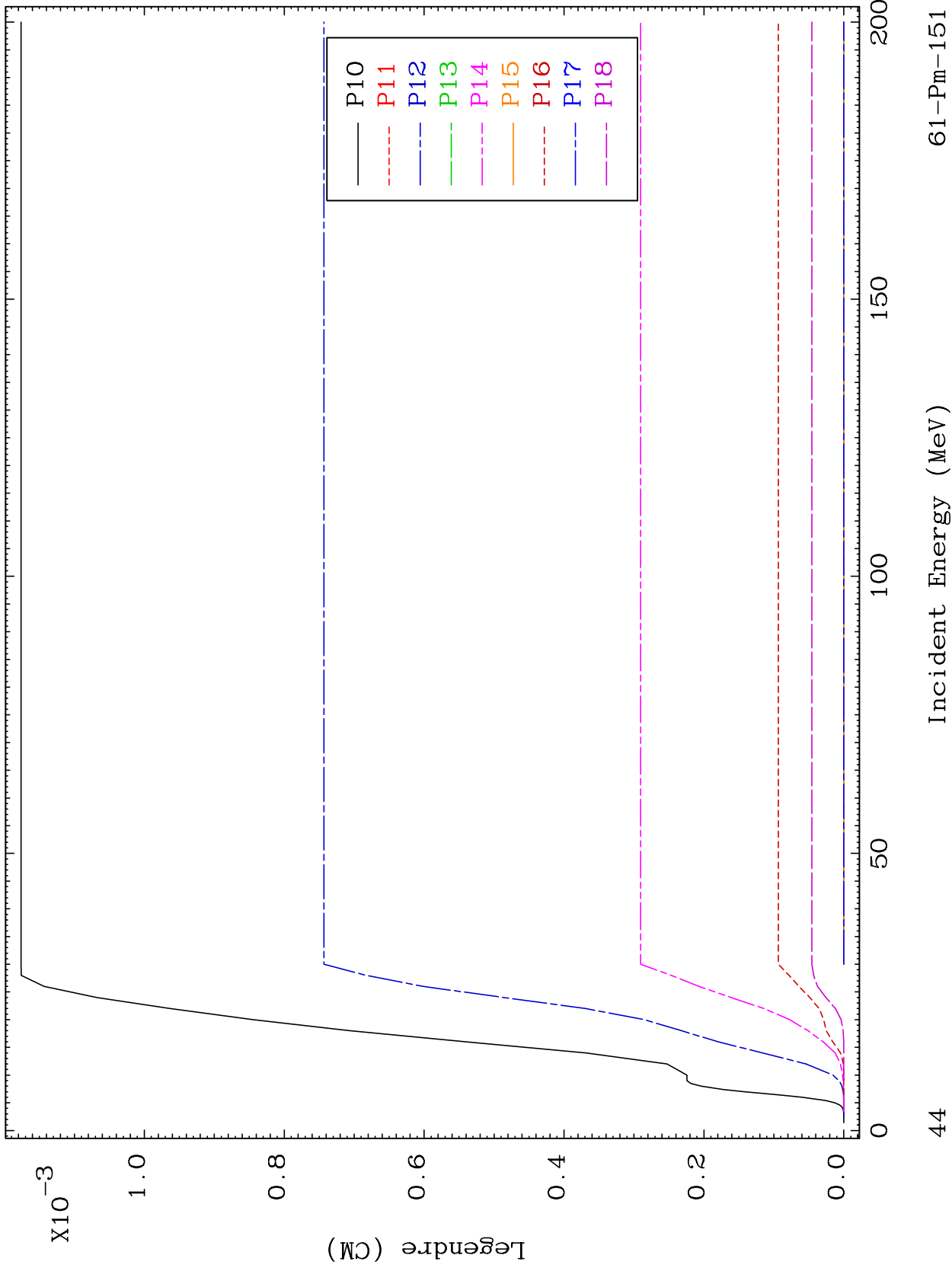




MAT 6161

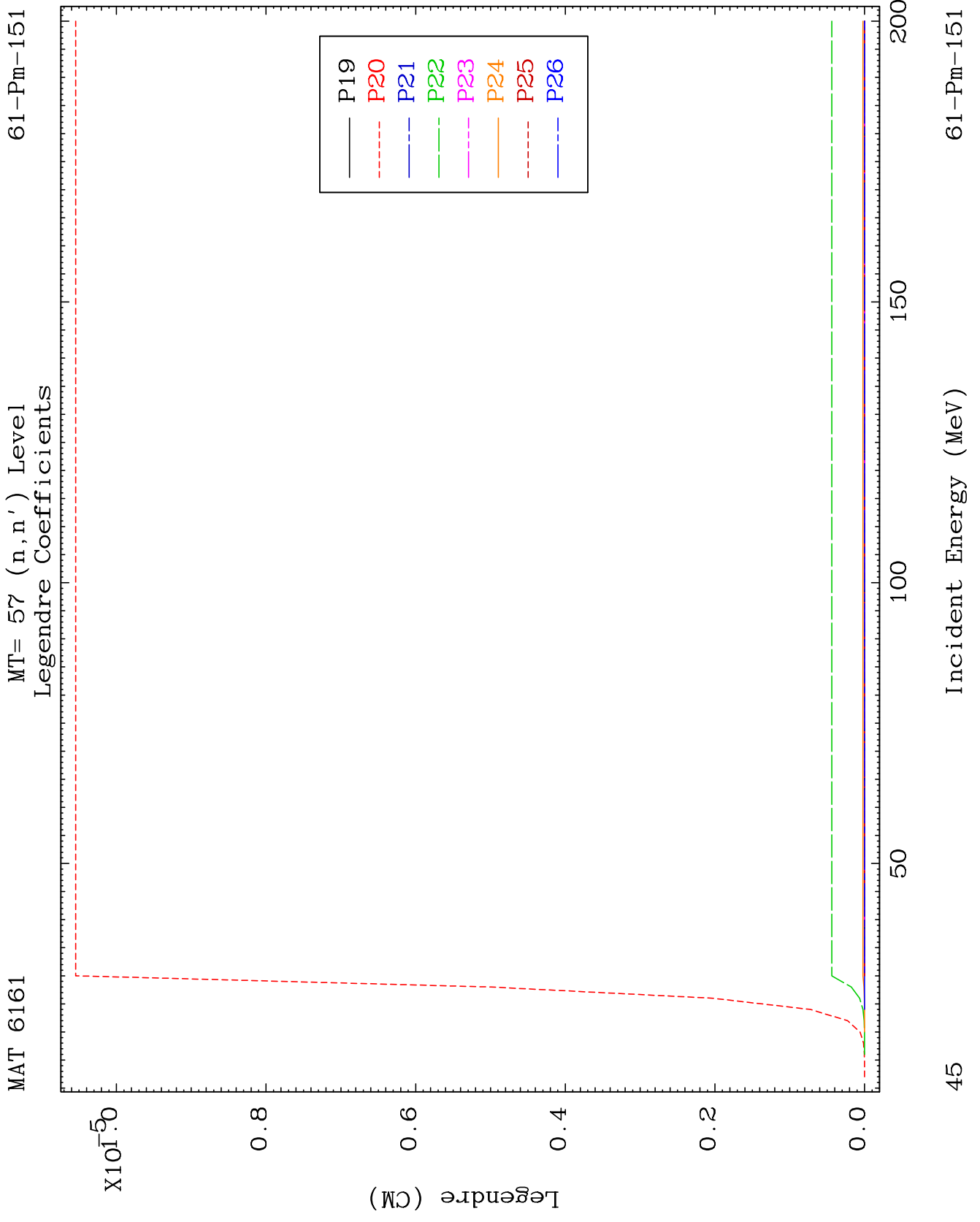
MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-151



44

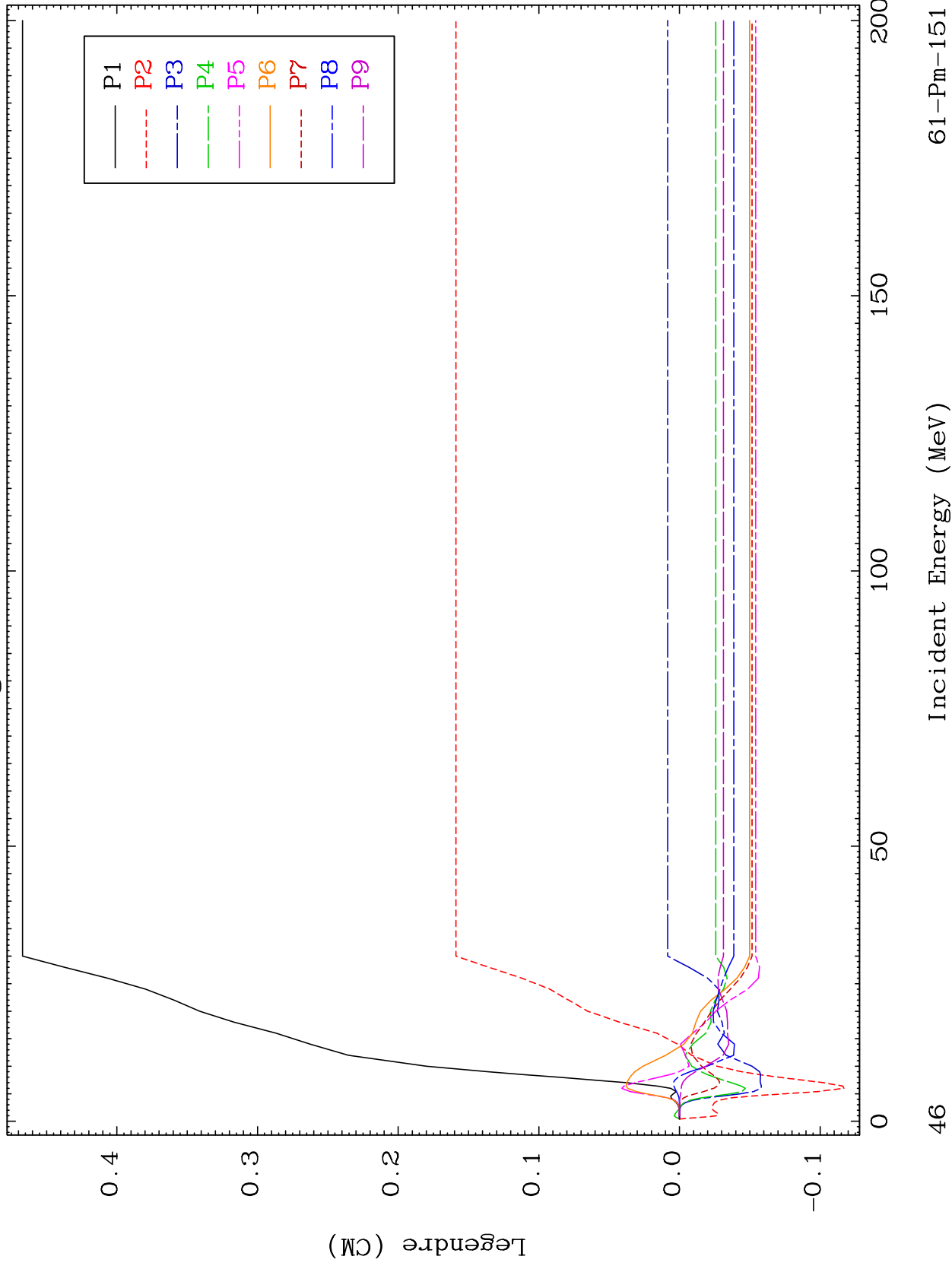
61-Pm-151



MAT 6161

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

61-Pm-151



61-Pm-151

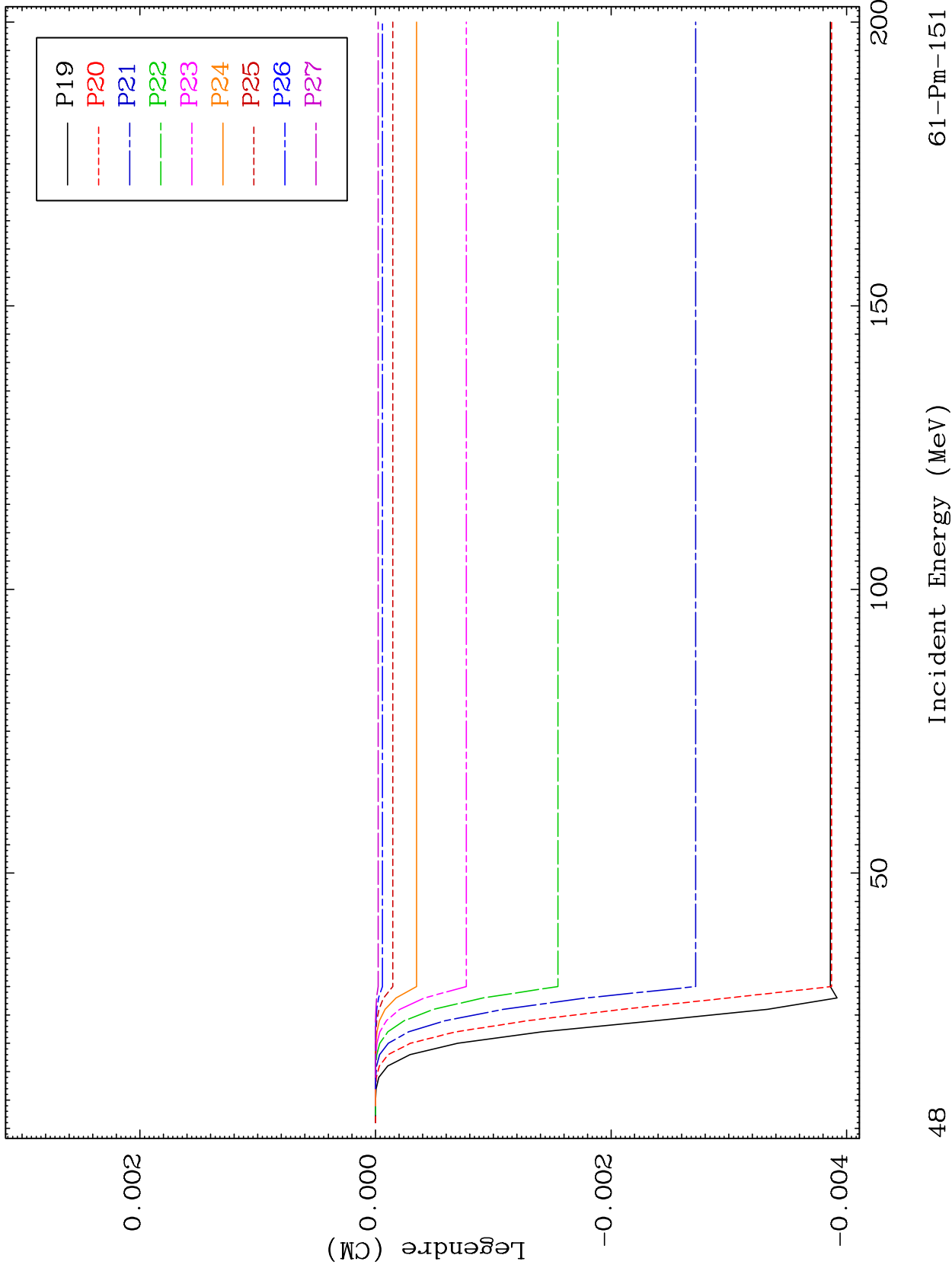
Incident Energy (MeV)

46

MAT 6161

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

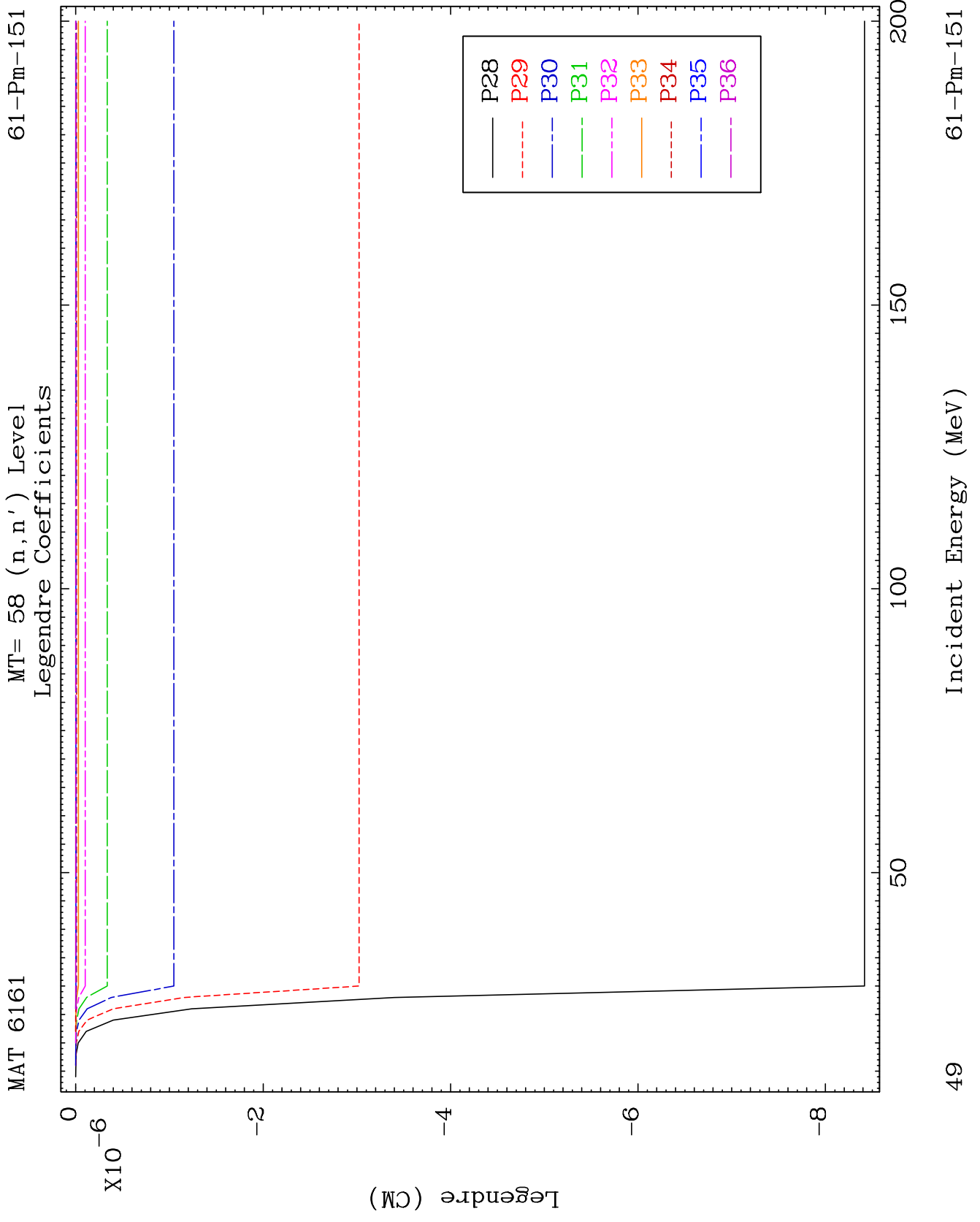
61-Pm-151



48

Incident Energy (MeV)

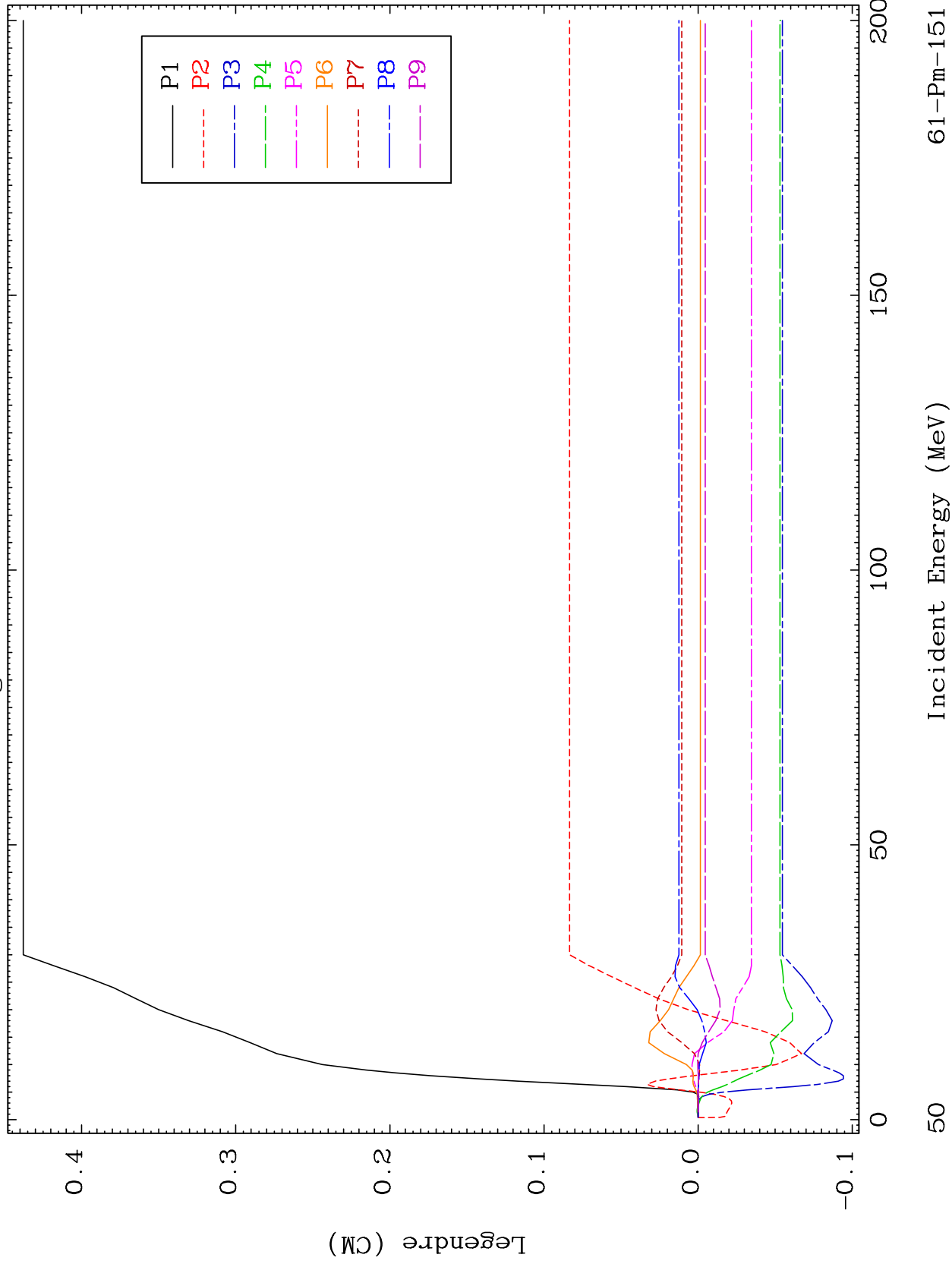
61-Pm-151



MAT 6161

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

61-Pm-151



61-Pm-151

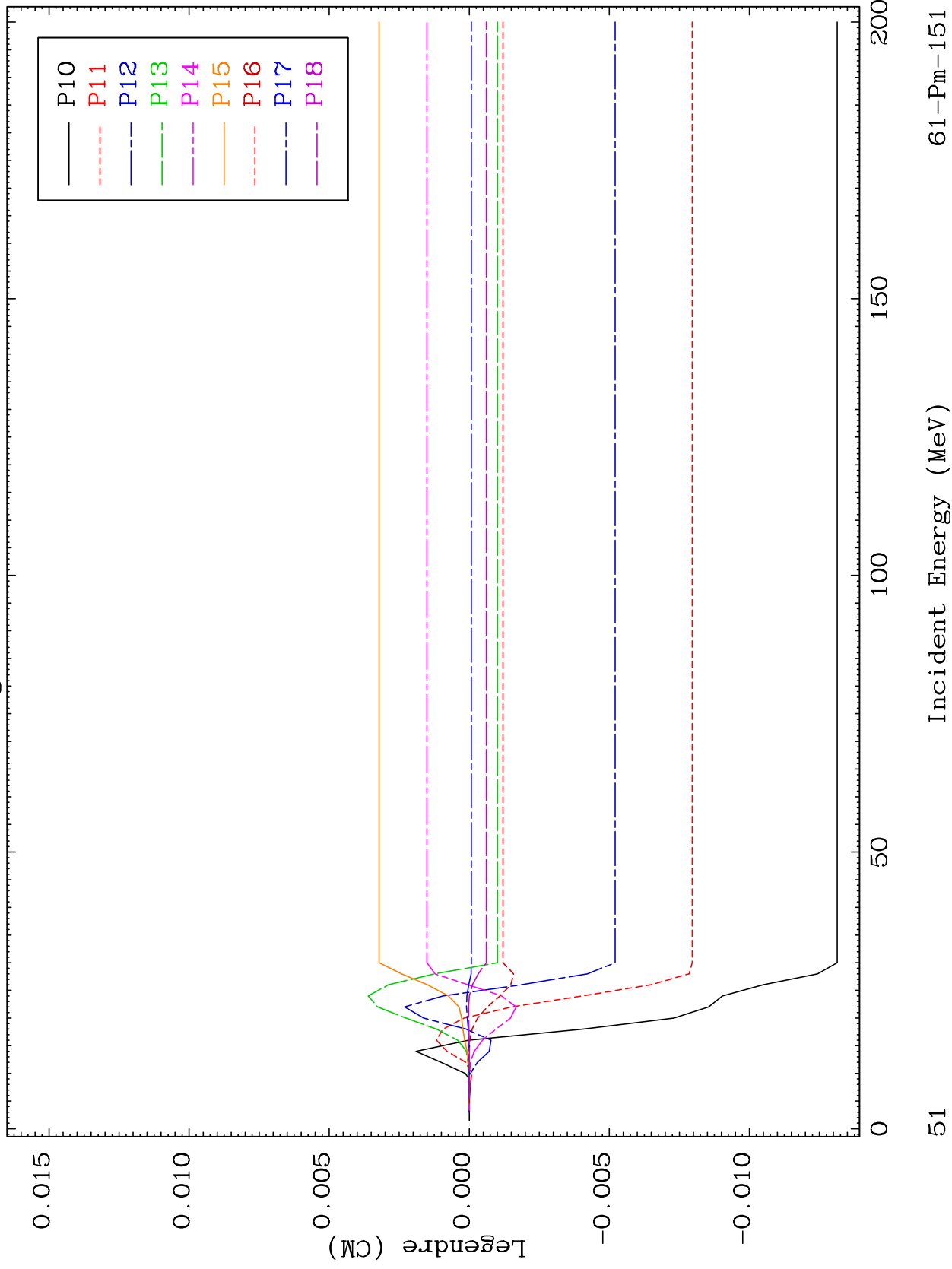
Incident Energy (MeV)

50

MAT 6161

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

61-Pm-151



51

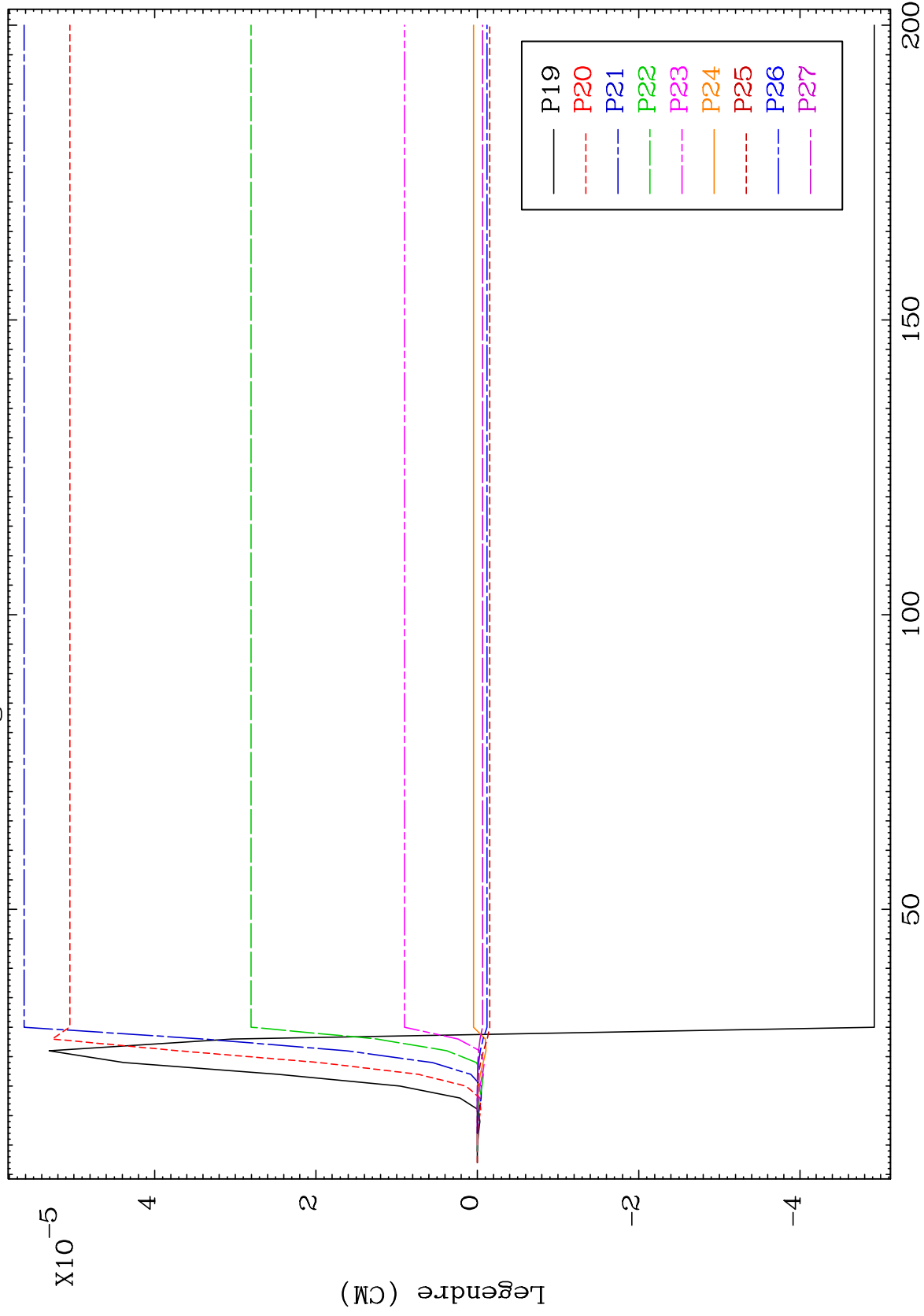
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

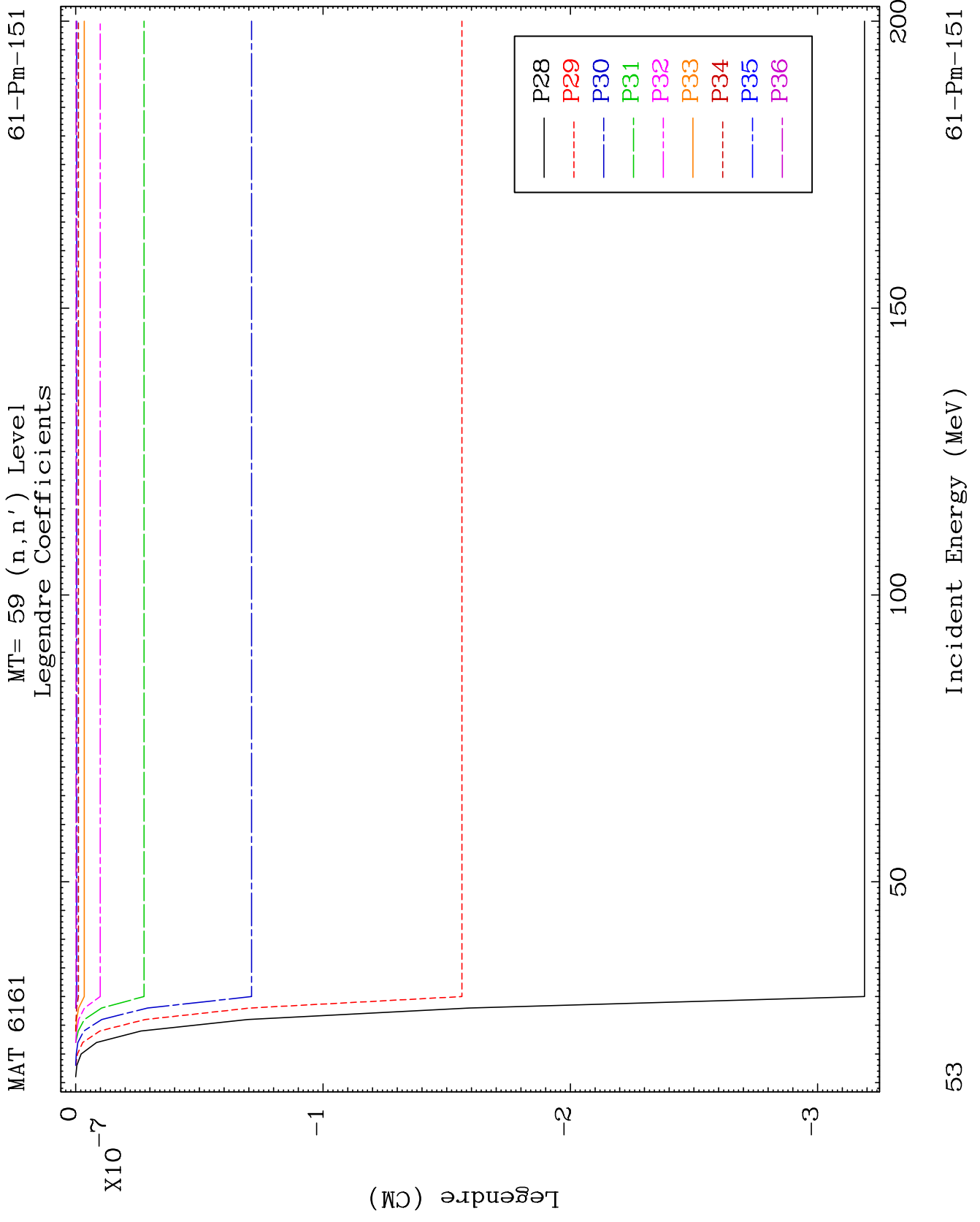
61-Pm-151



52

61-Pm-151

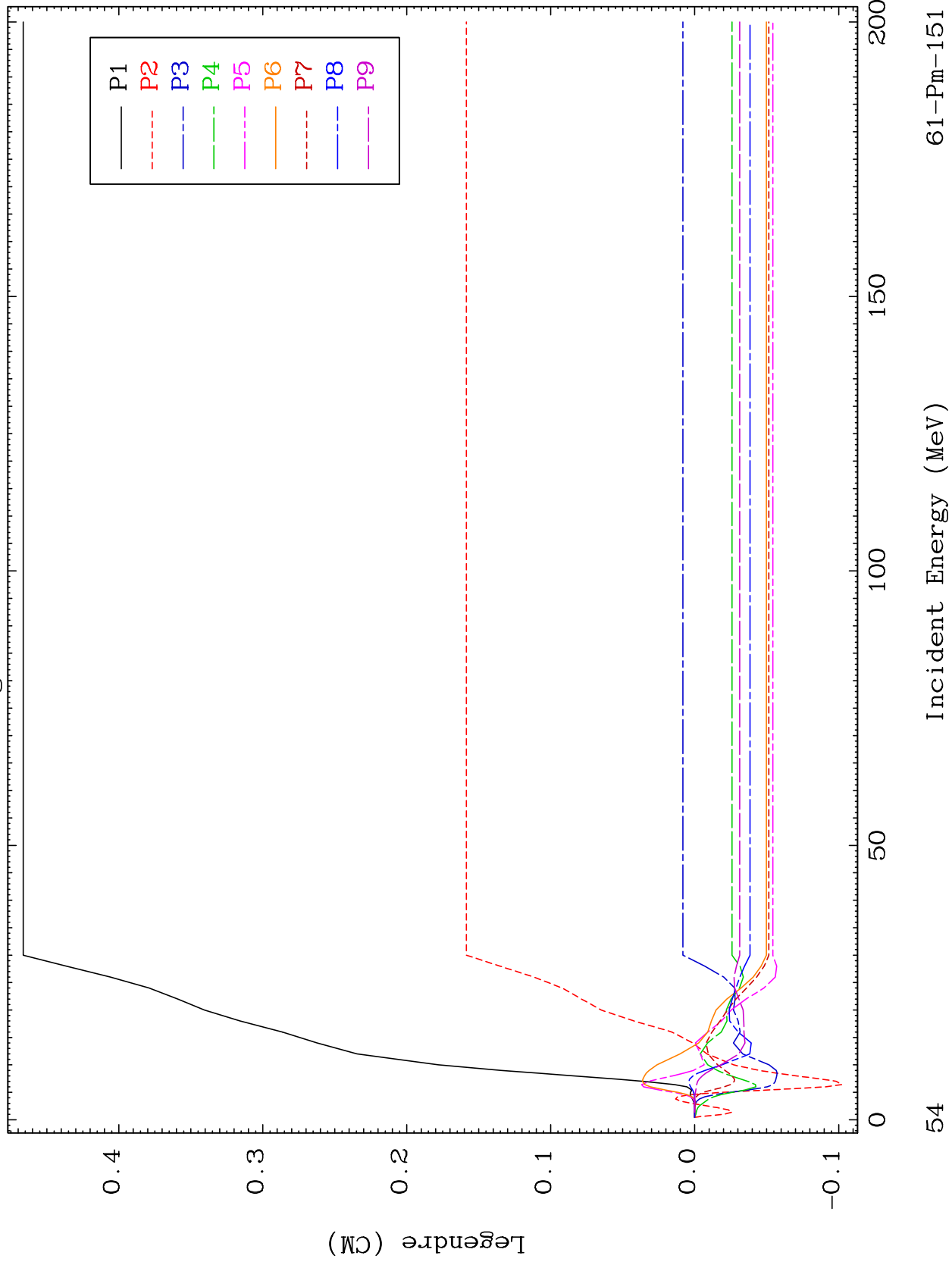
61-Pm-151



MAT 6161

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

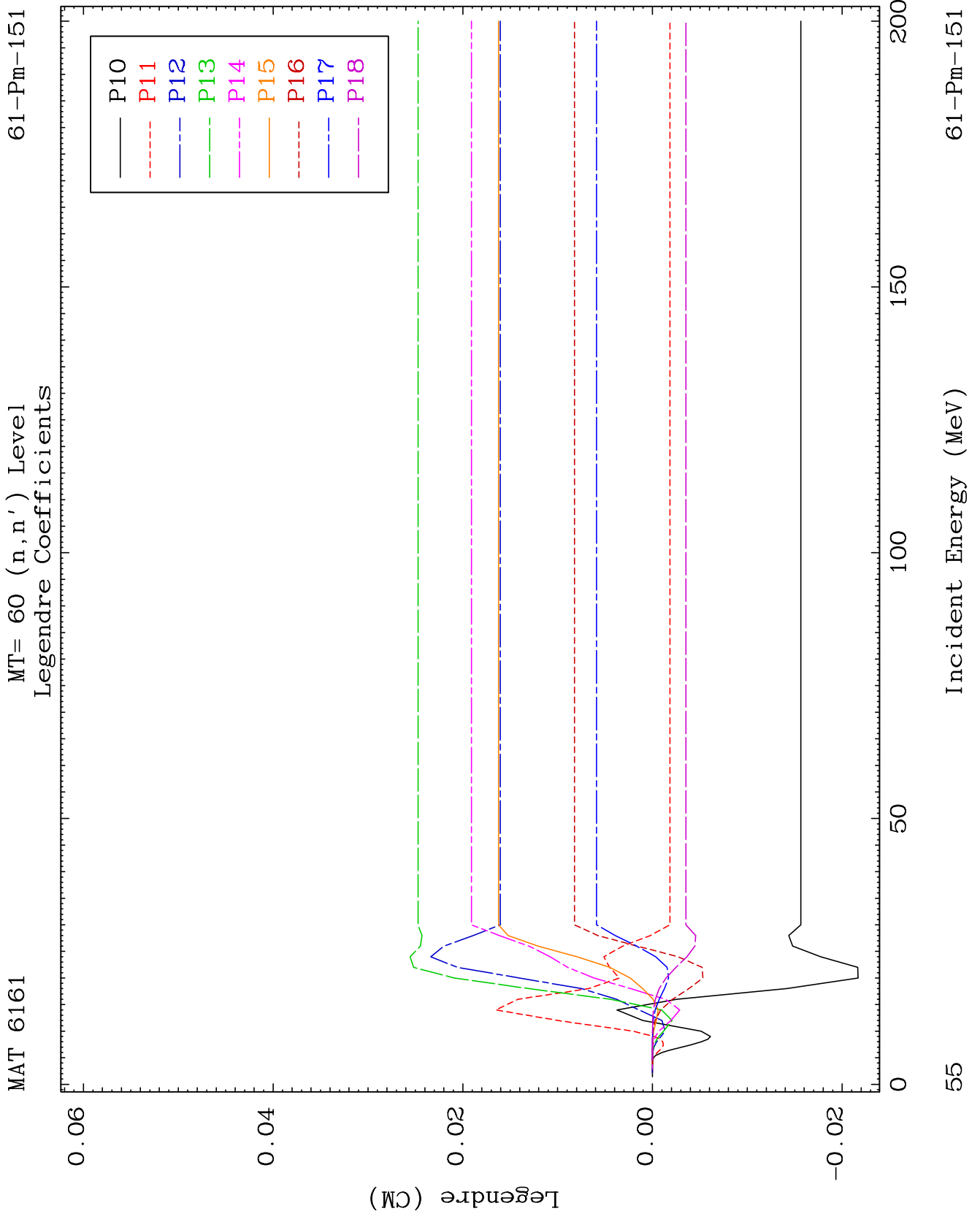
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61-Pm-151

Incident Energy (MeV)

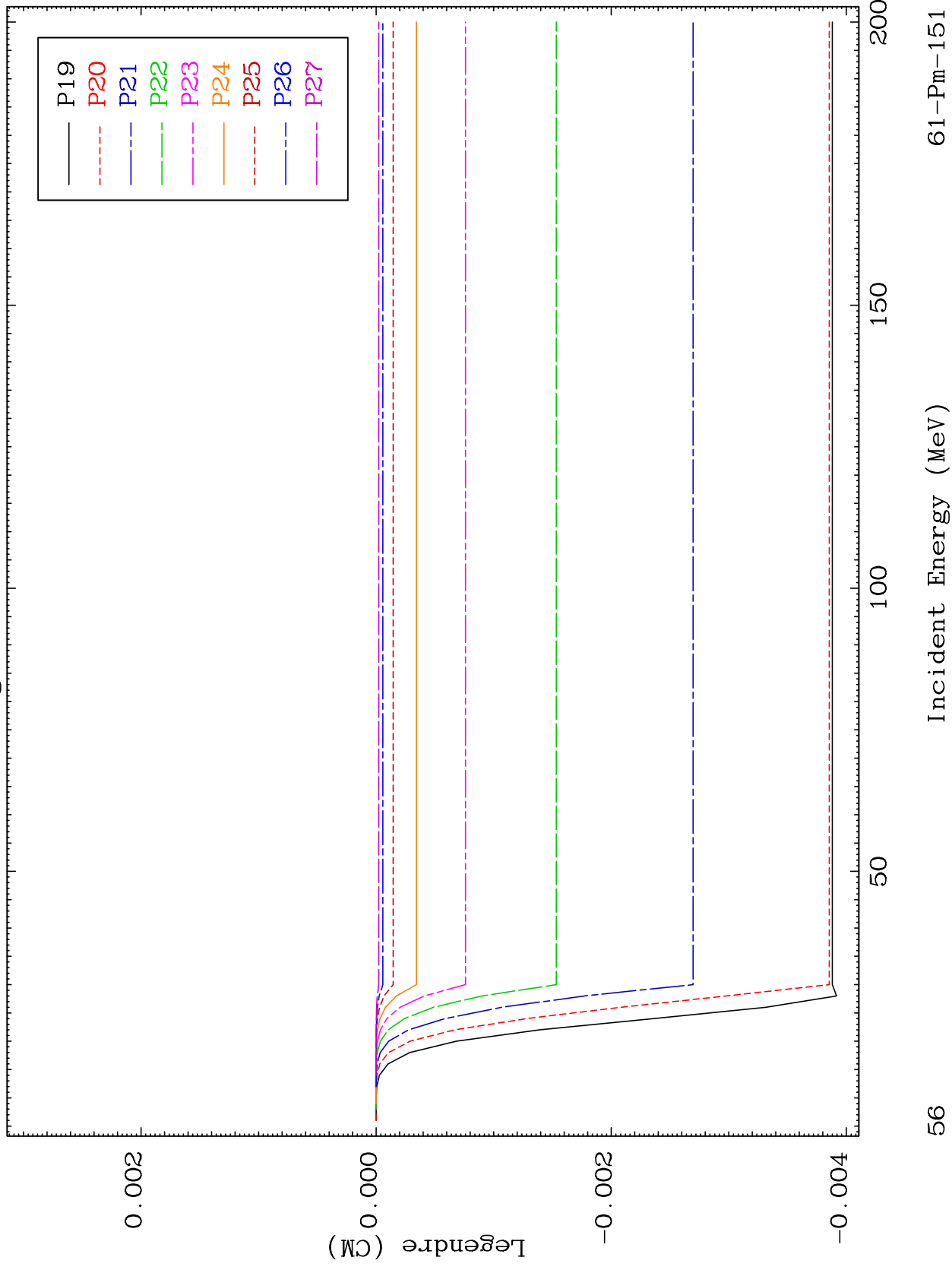
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MAT 6161

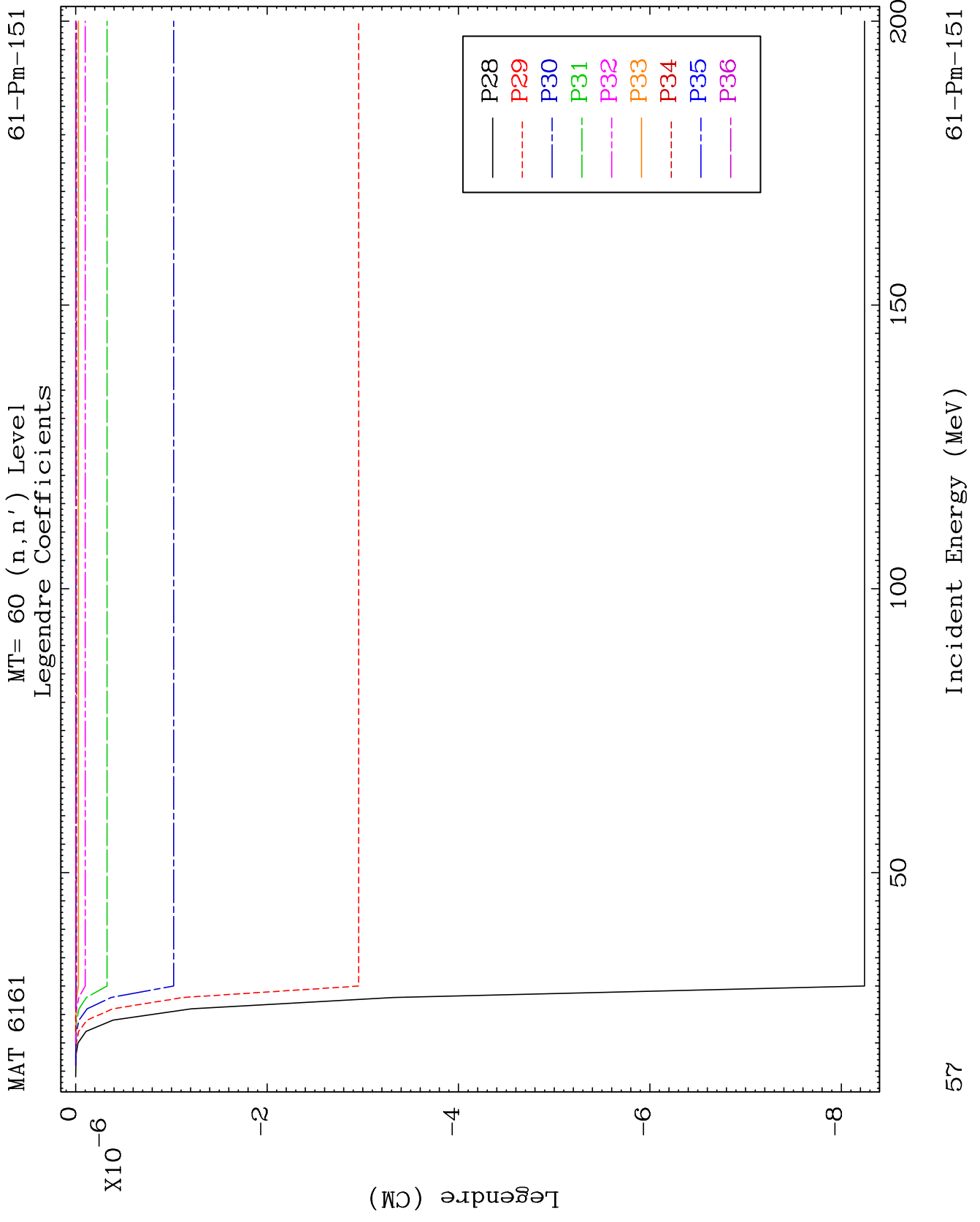
MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-151



56

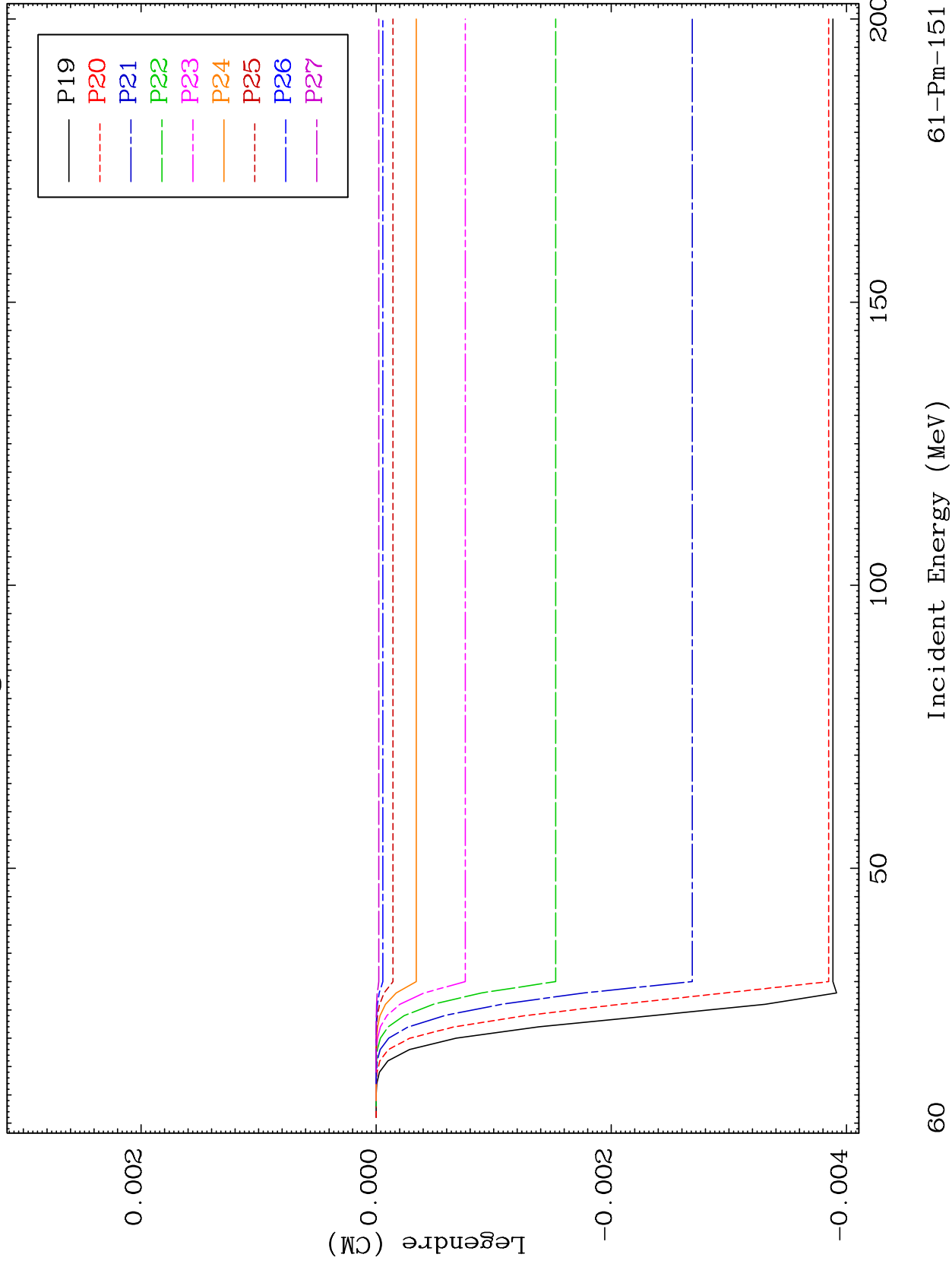
61-Pm-151



MAT 6161

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

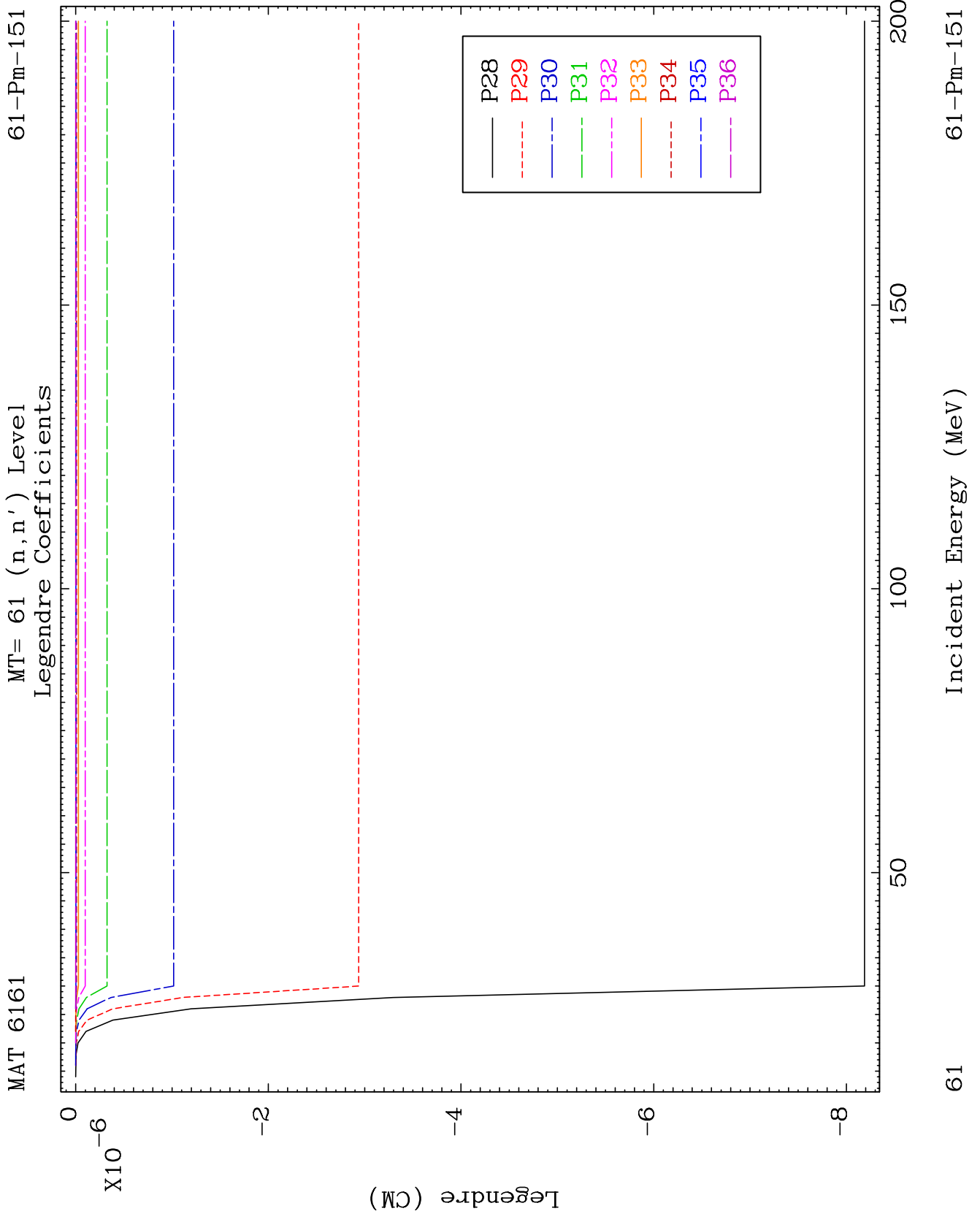
61-Pm-151



61-Pm-151

Incident Energy (MeV)

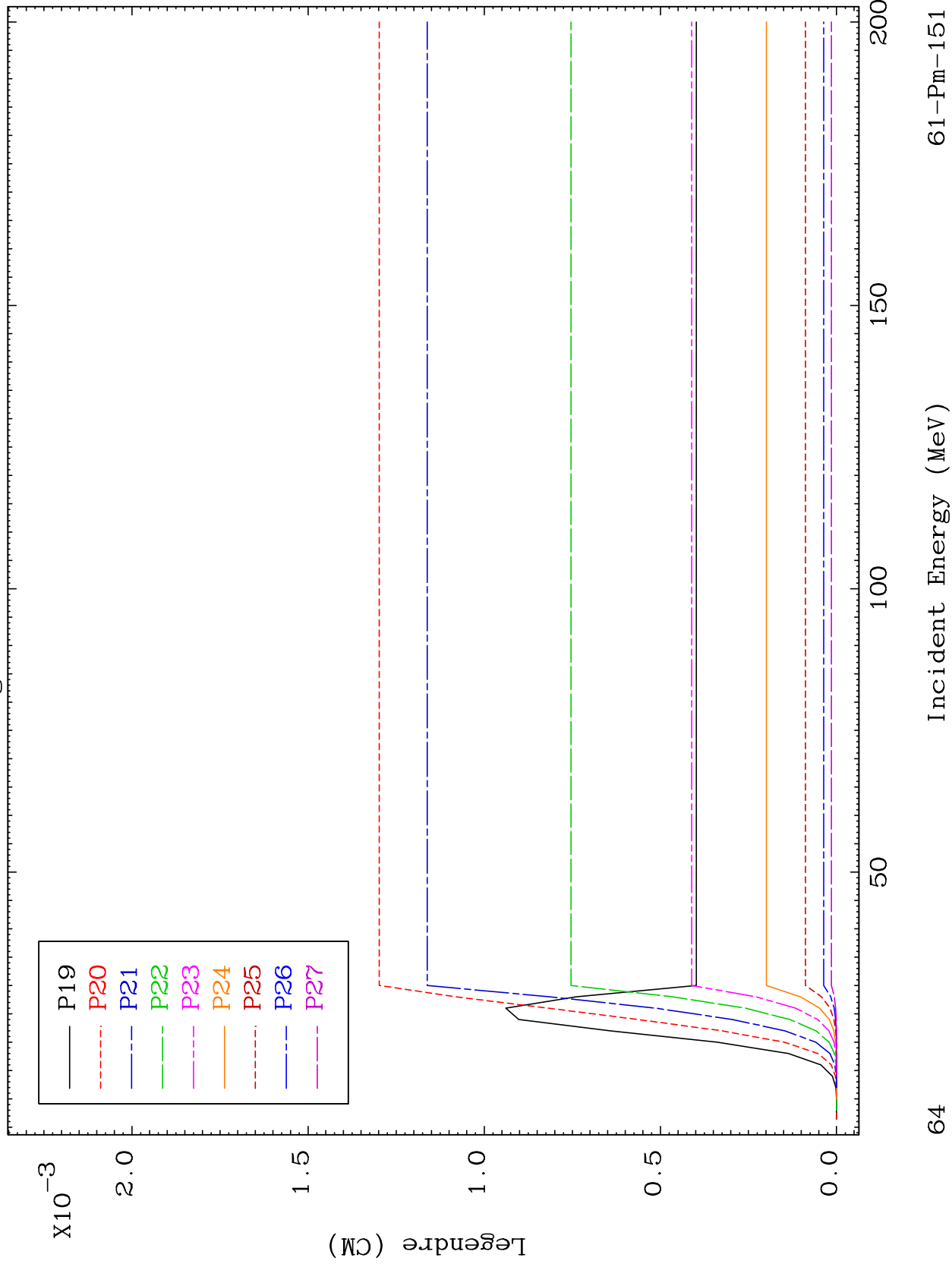
60



MAT 6161

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

61-Pm-151



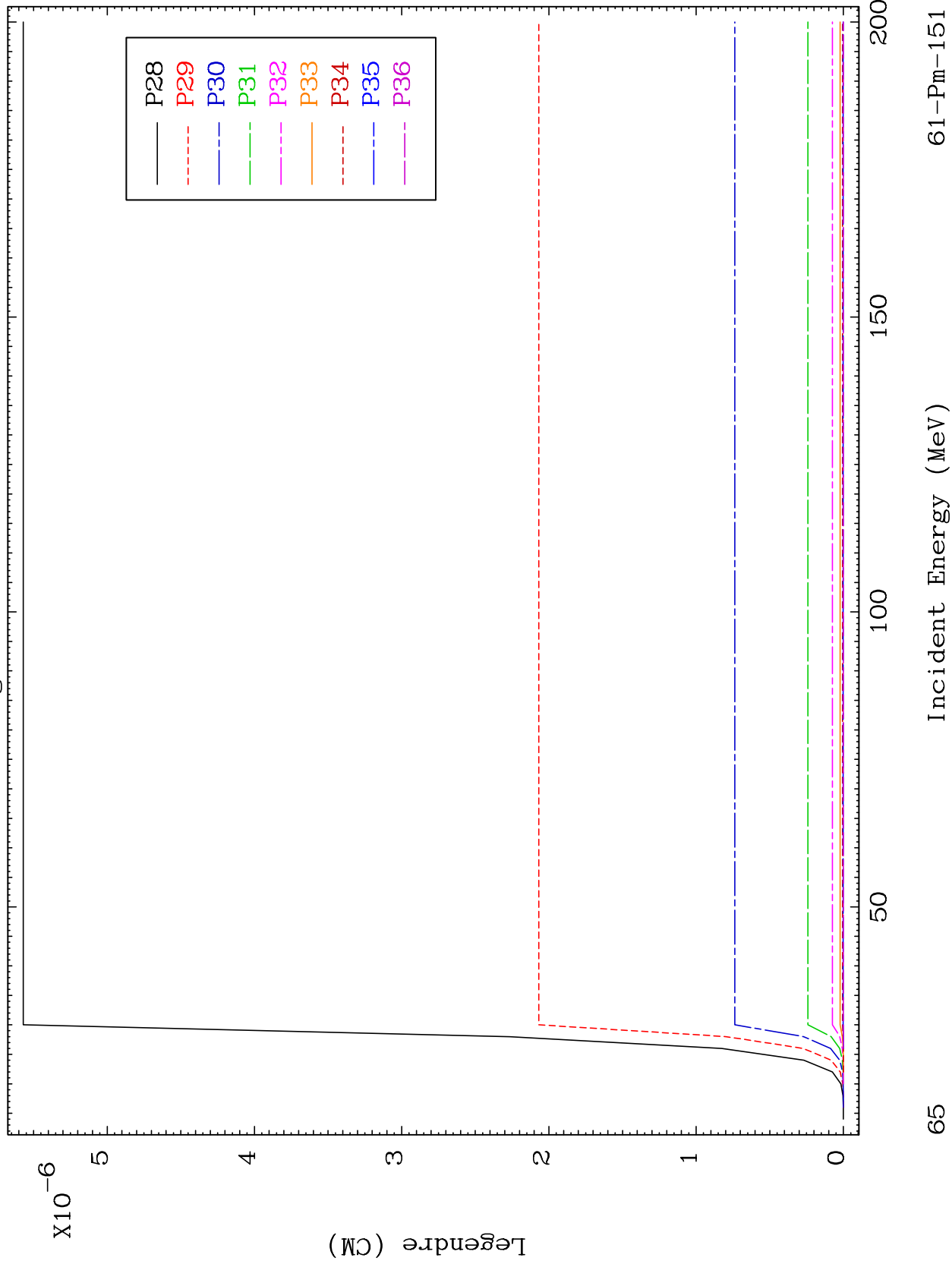
64

61-Pm-151

MAT 6161

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

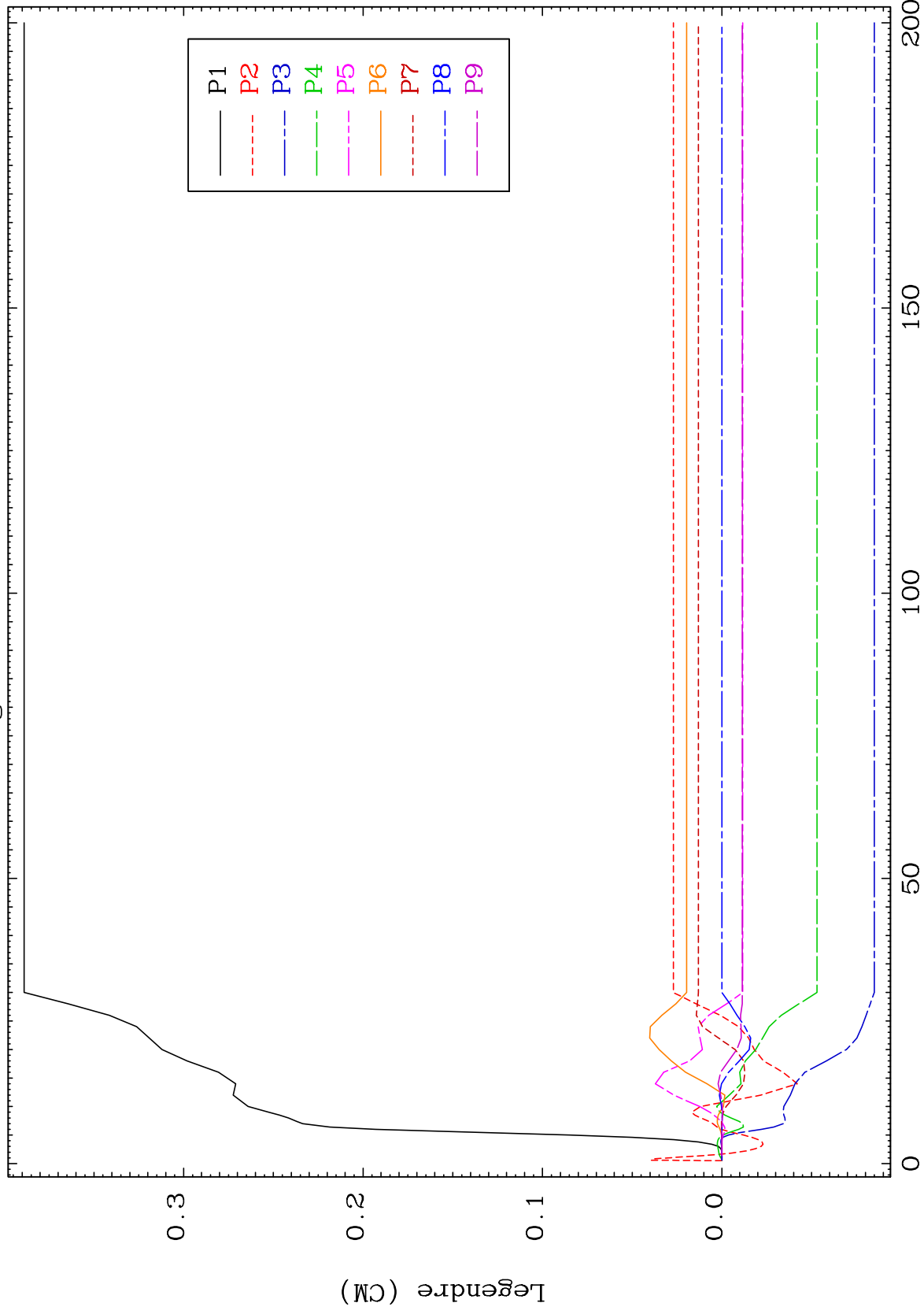
61-Pm-151



MAT 6161

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

61-Pm-151



66

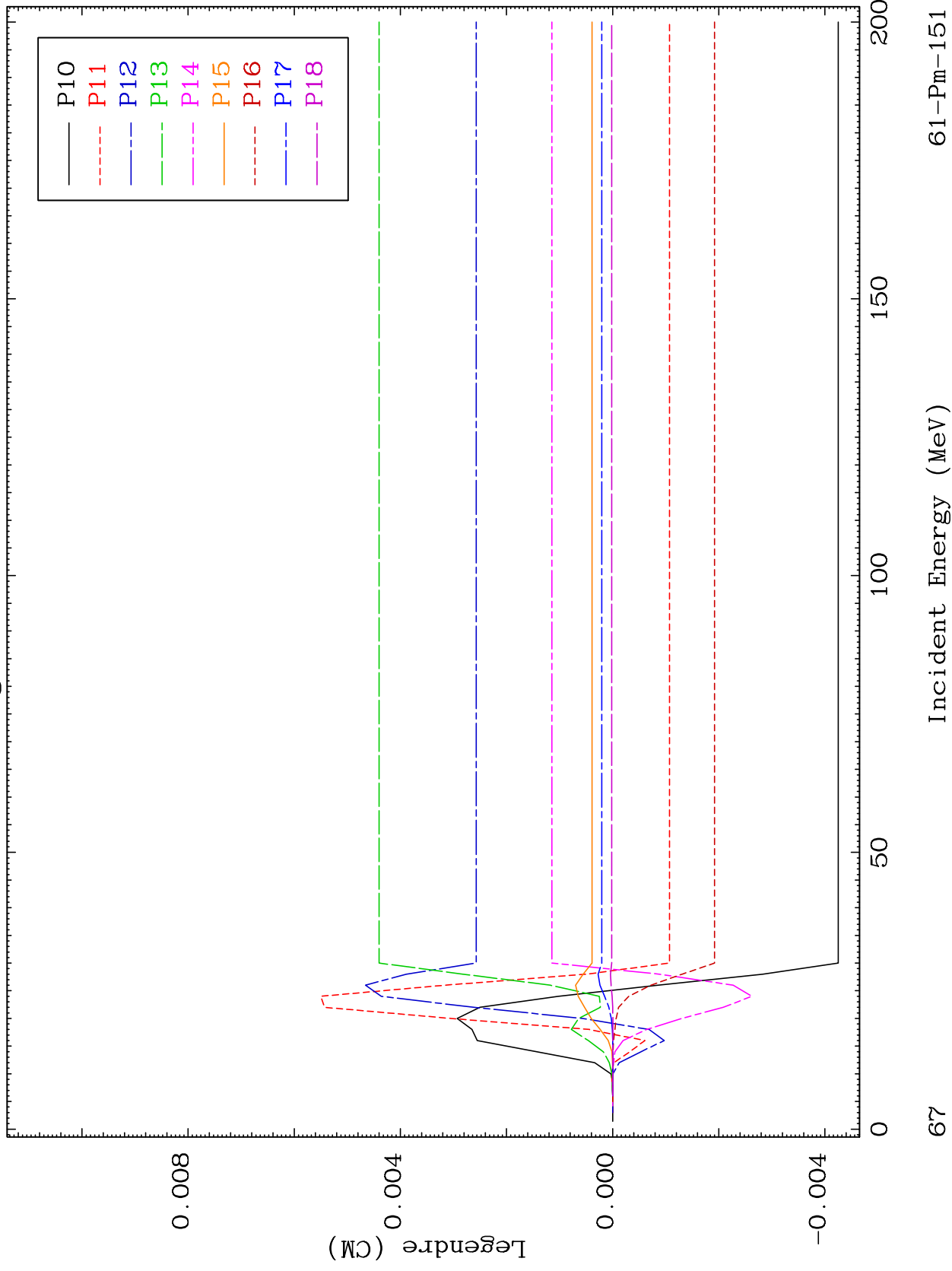
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

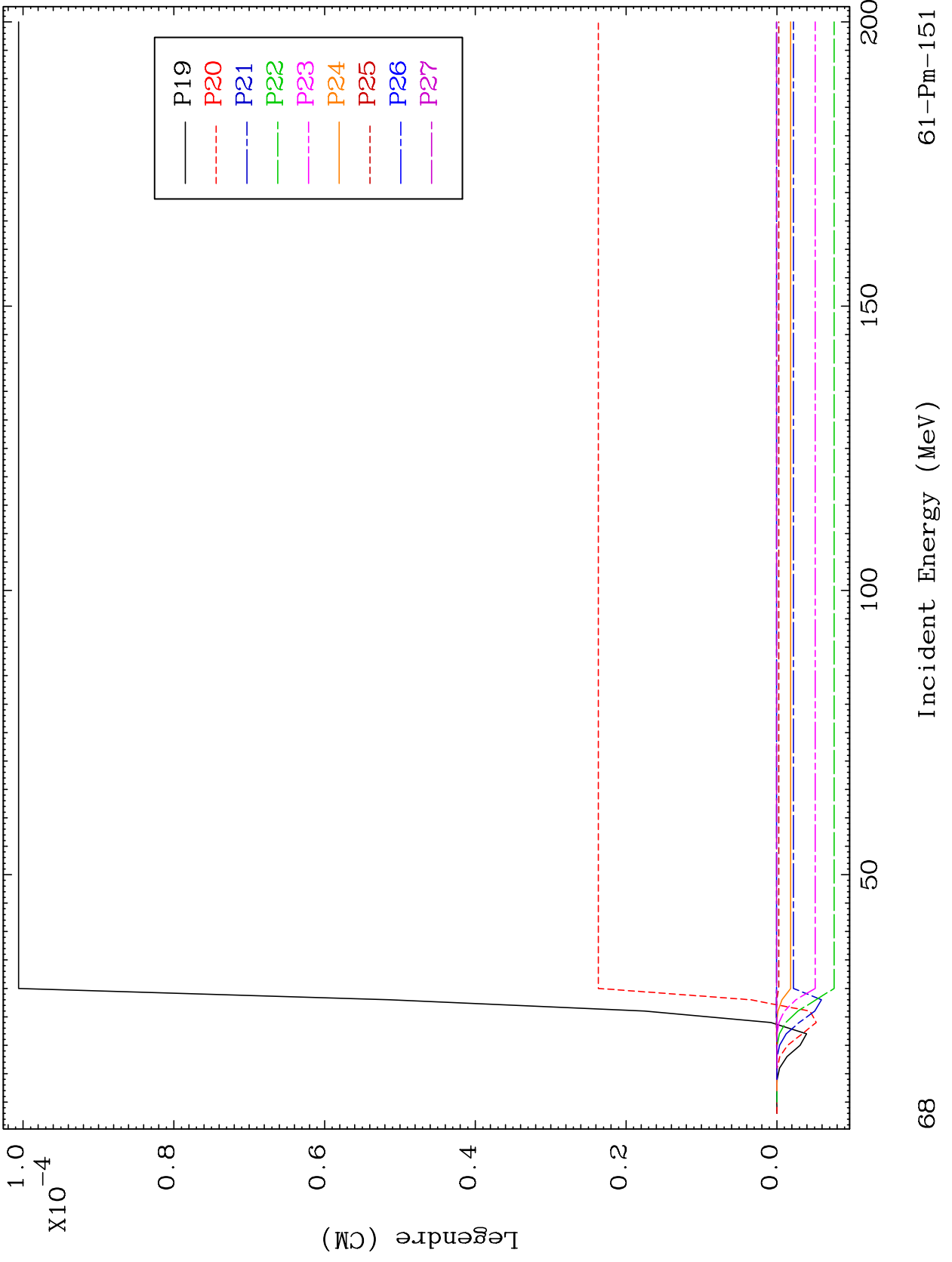
Incident Energy (MeV)

67

MAT 6161

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

61-Pm-151



68

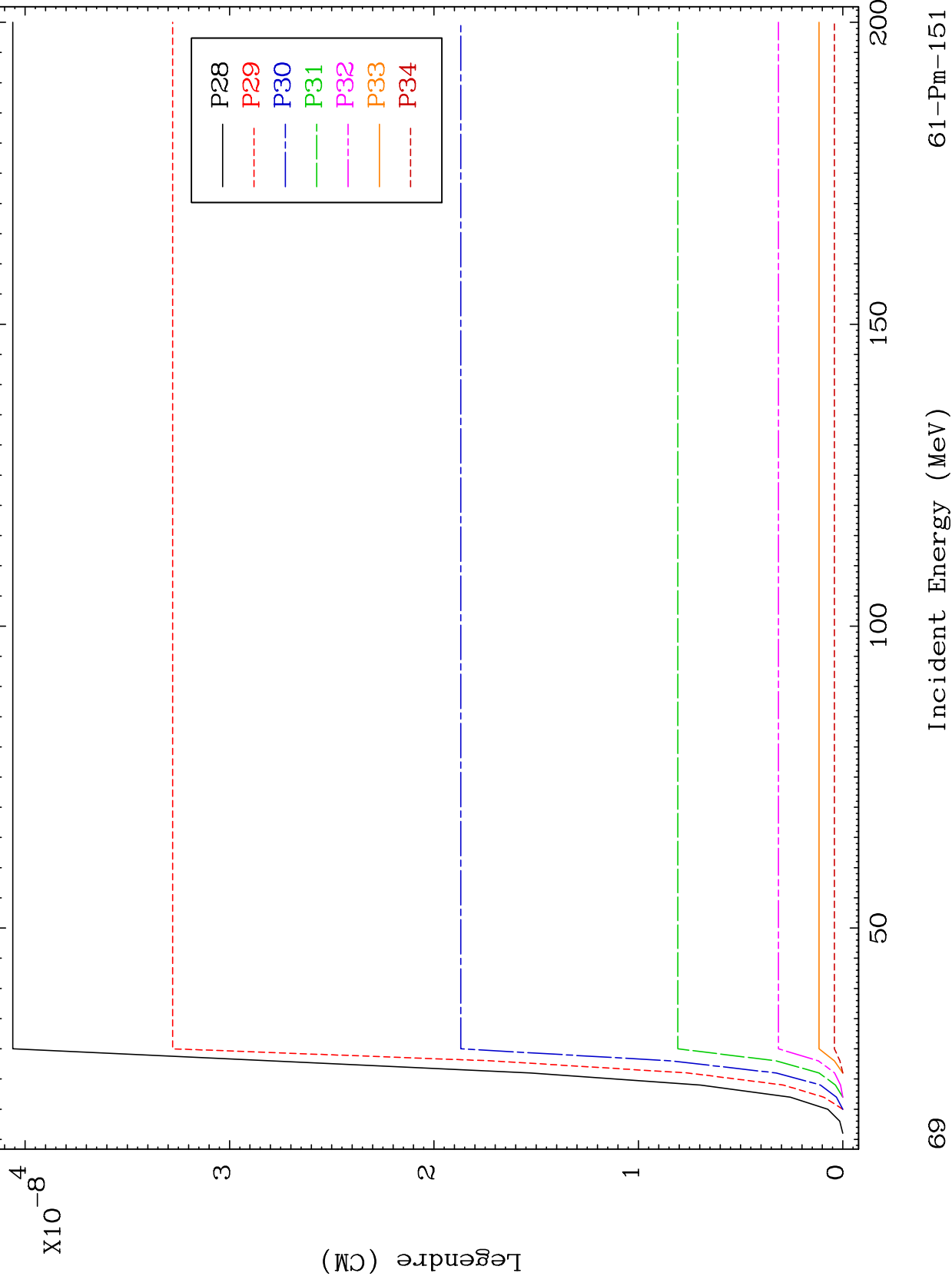
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



69

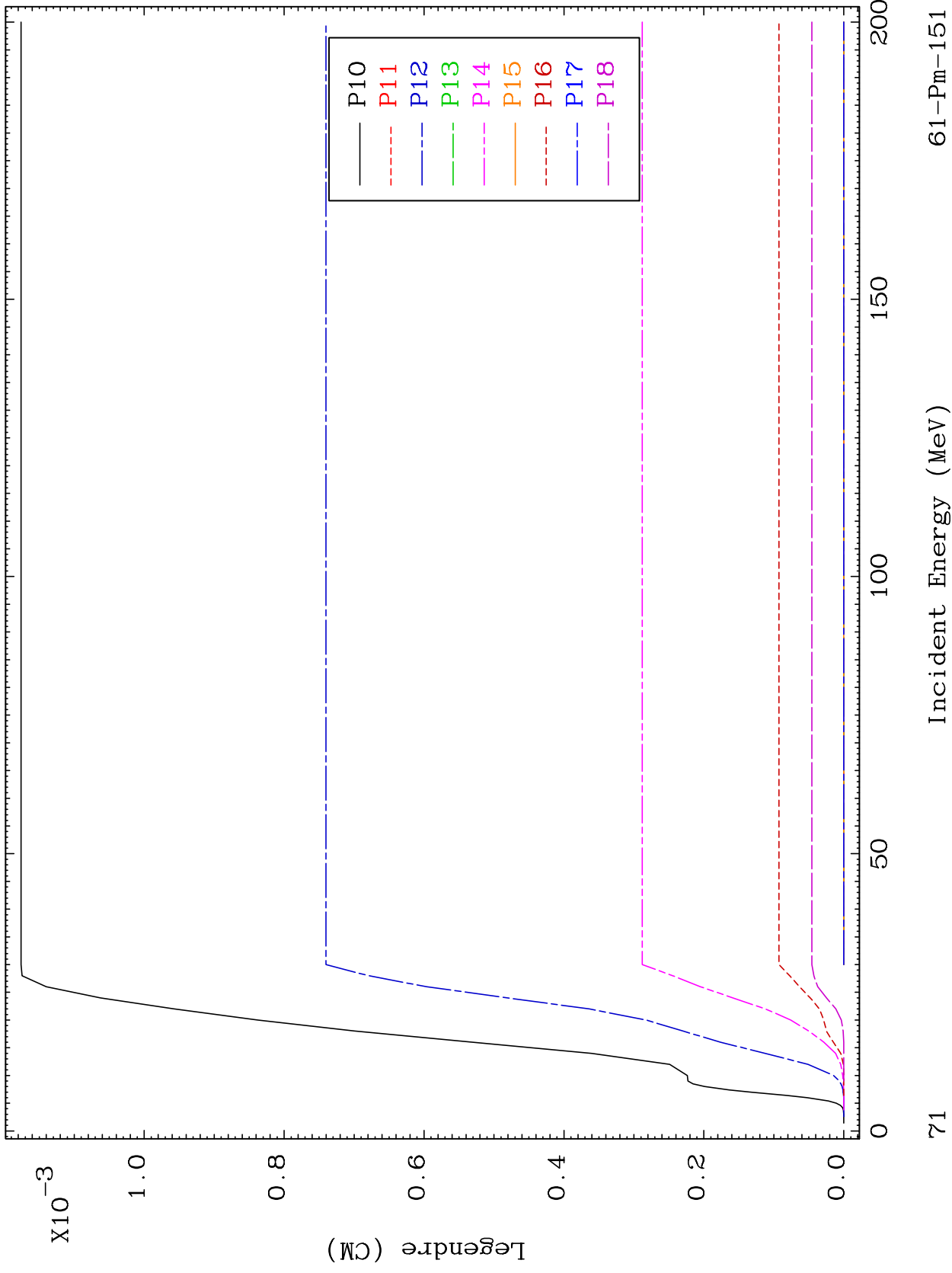
Incident Energy (MeV)

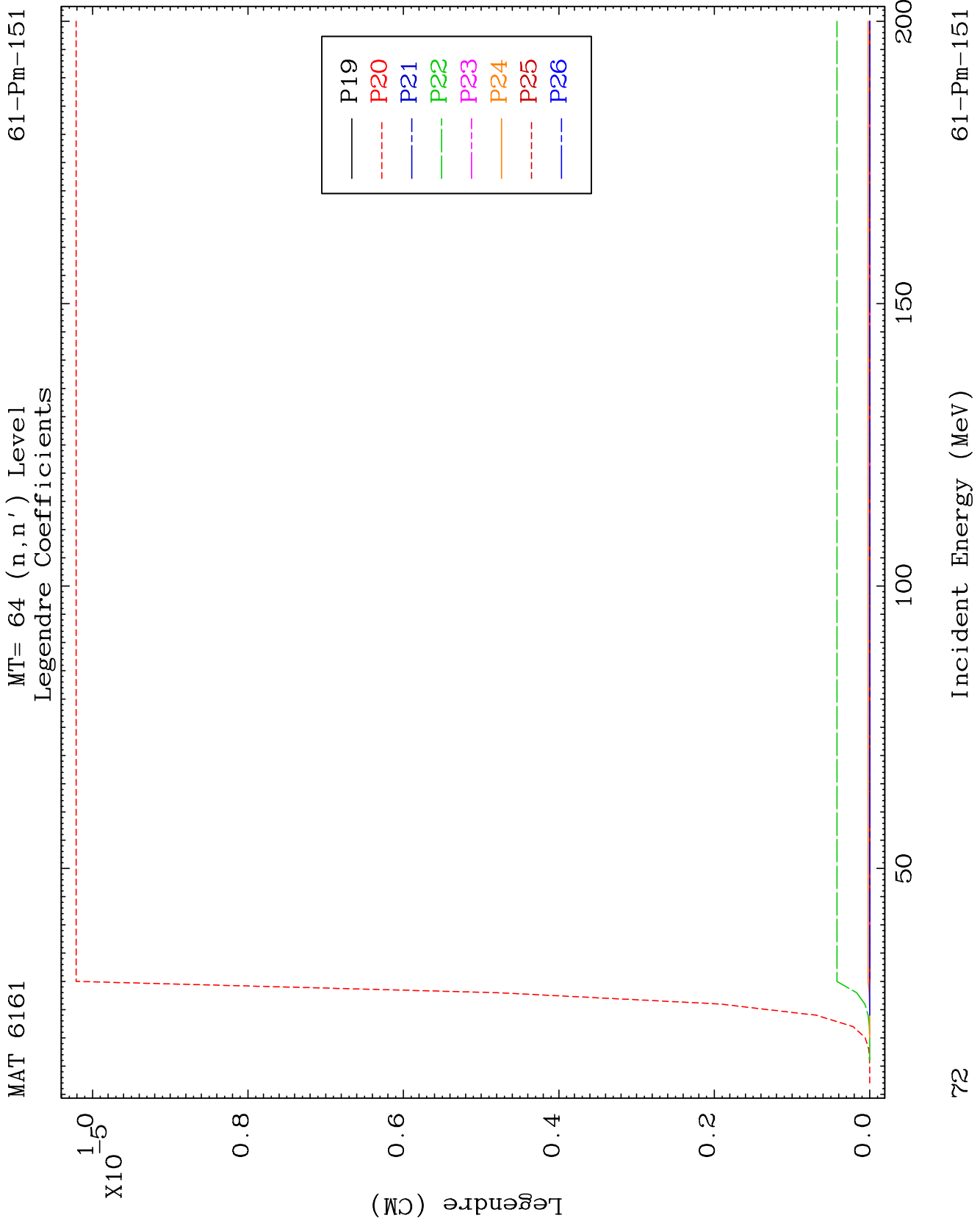
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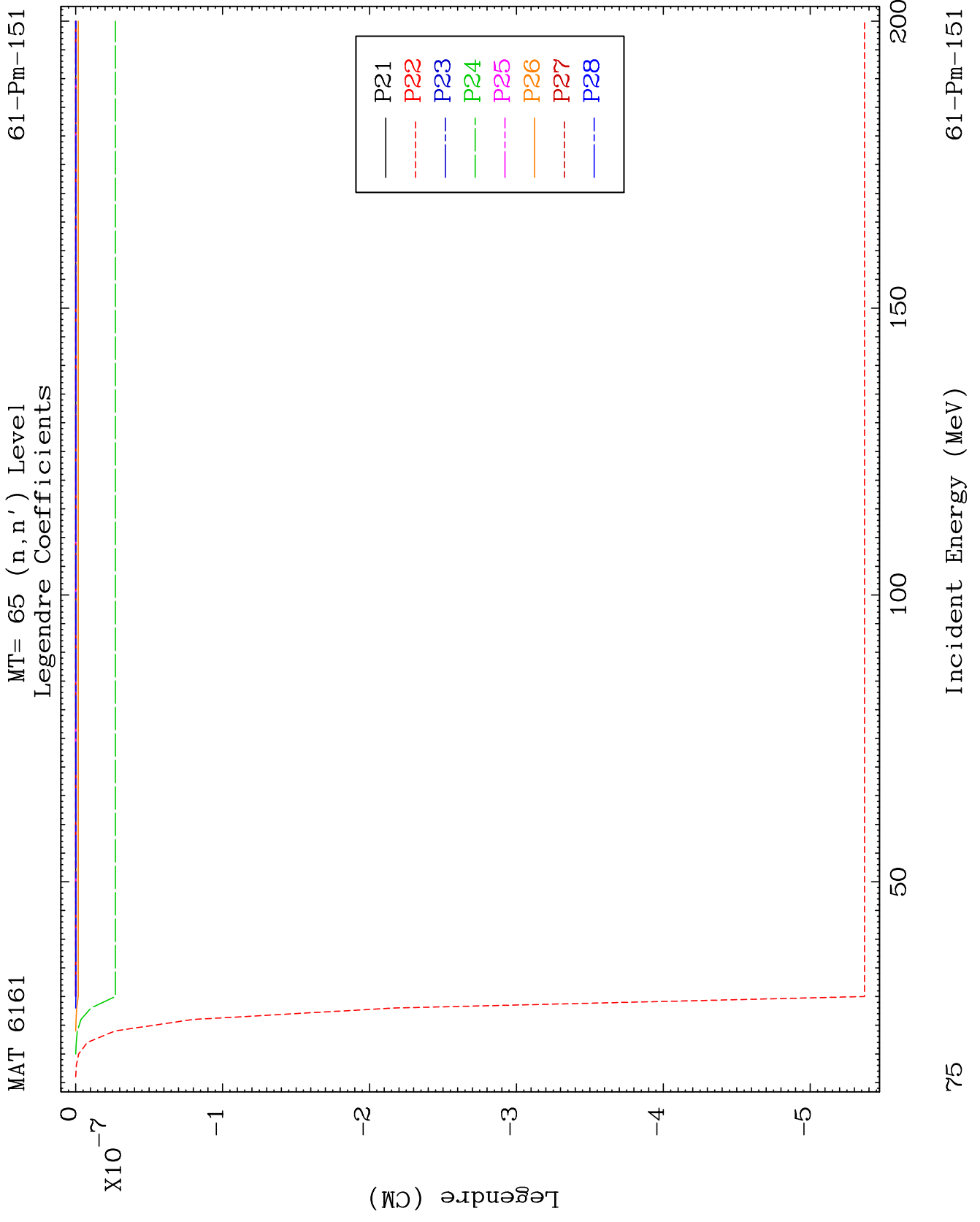
MAT 6161

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

61-Pm-151



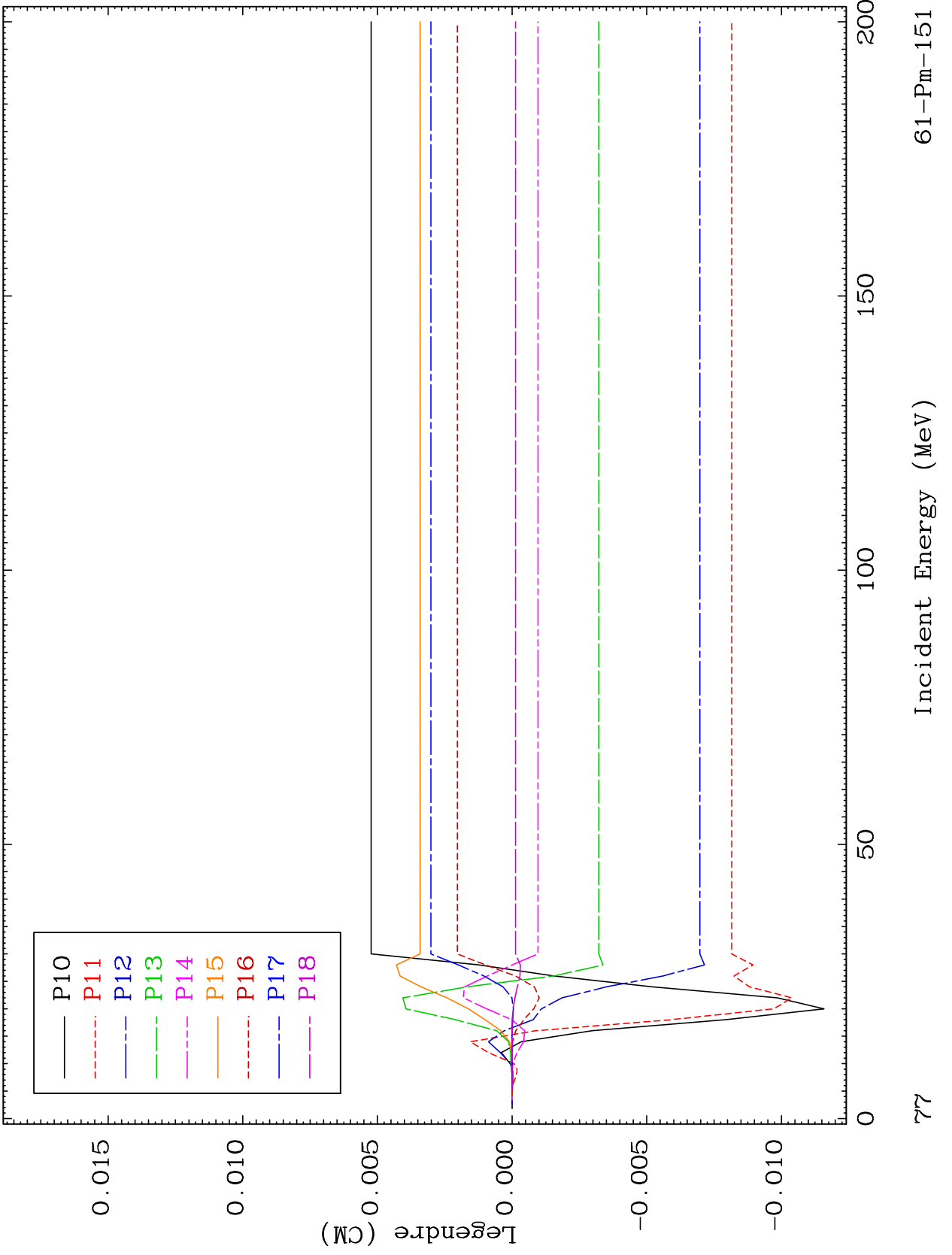




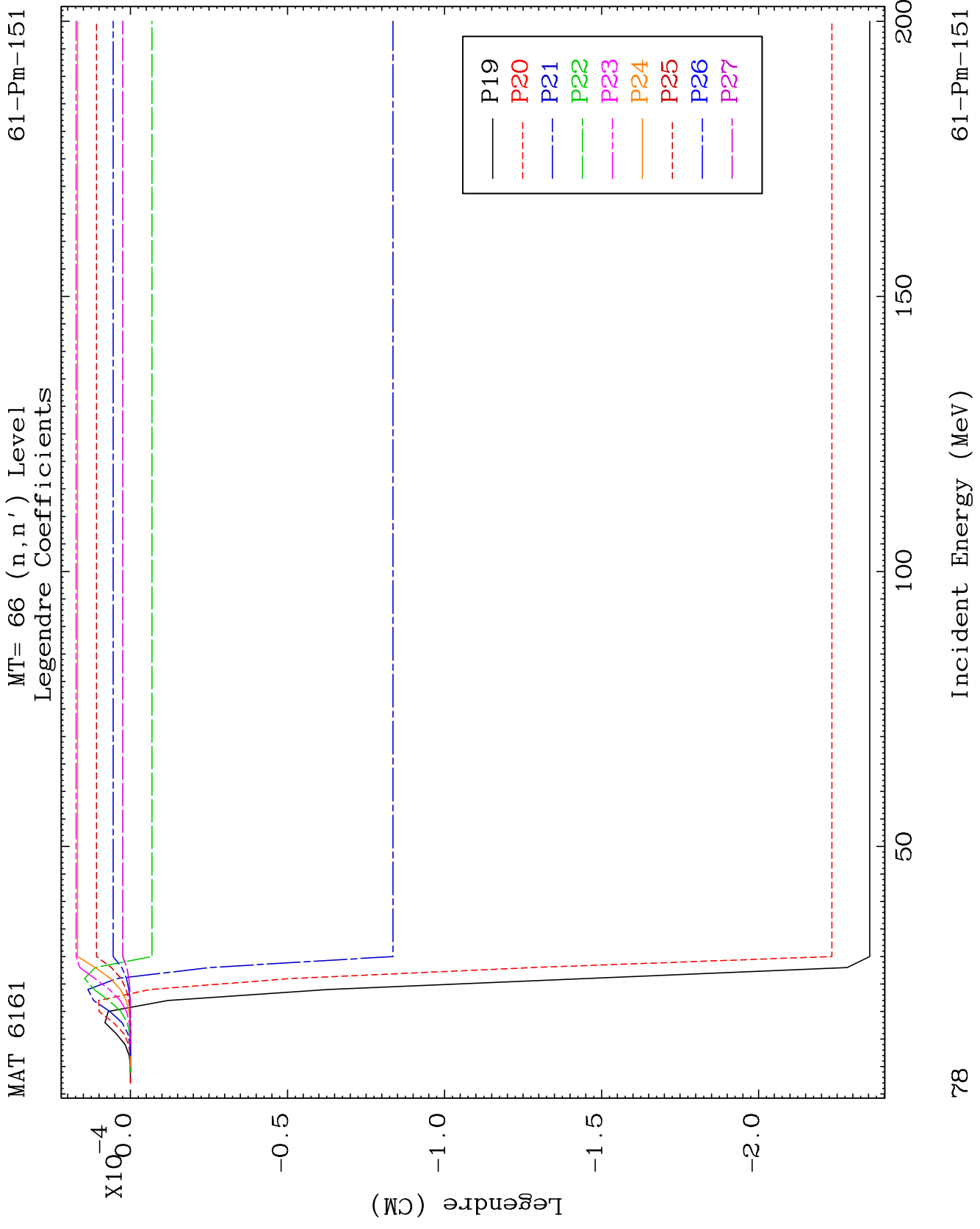
MAT 6161

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

61-Pm-151



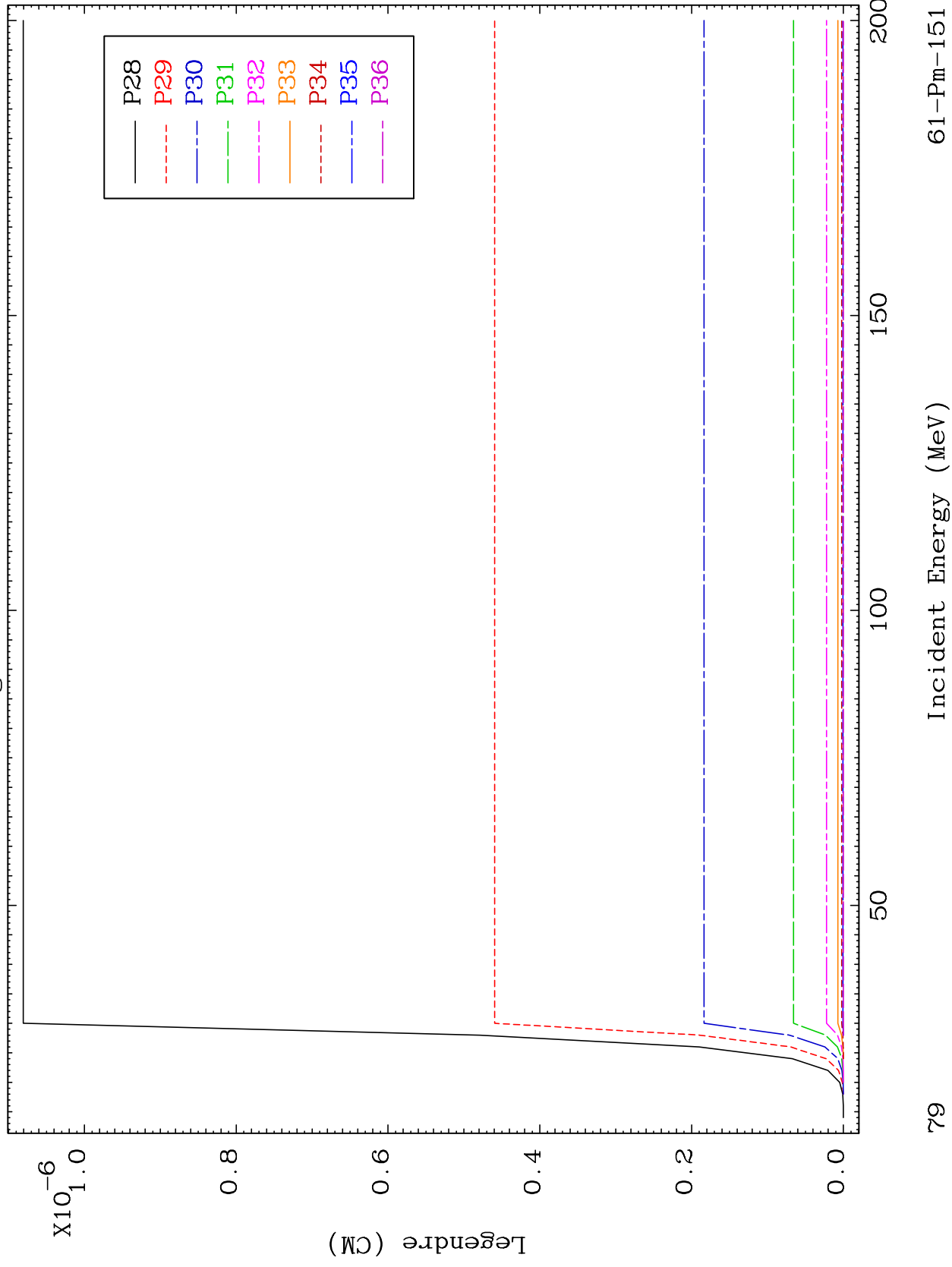
77



MAT 6161

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

61-Pm-151



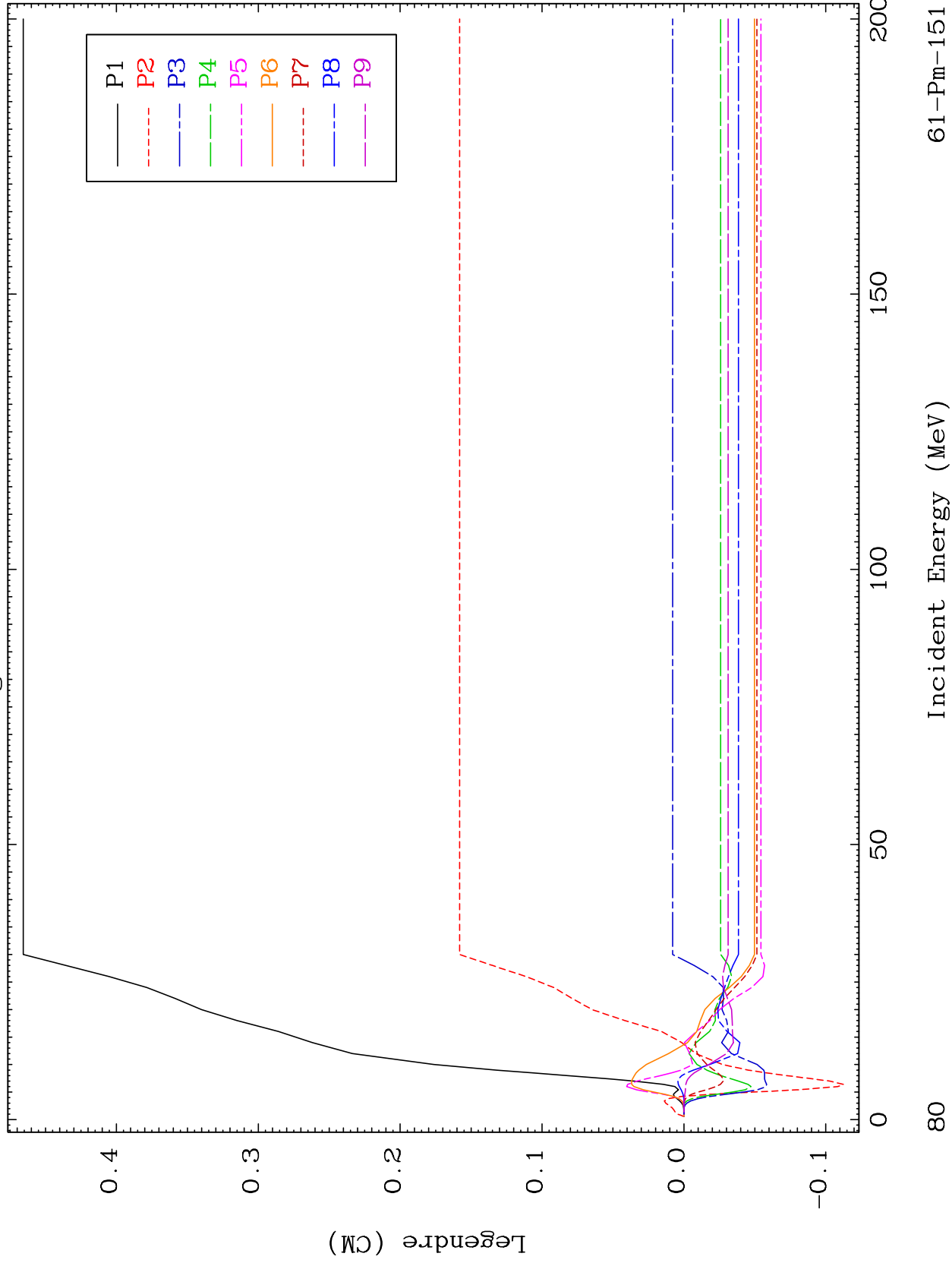
79

61-Pm-151

MAT 6161

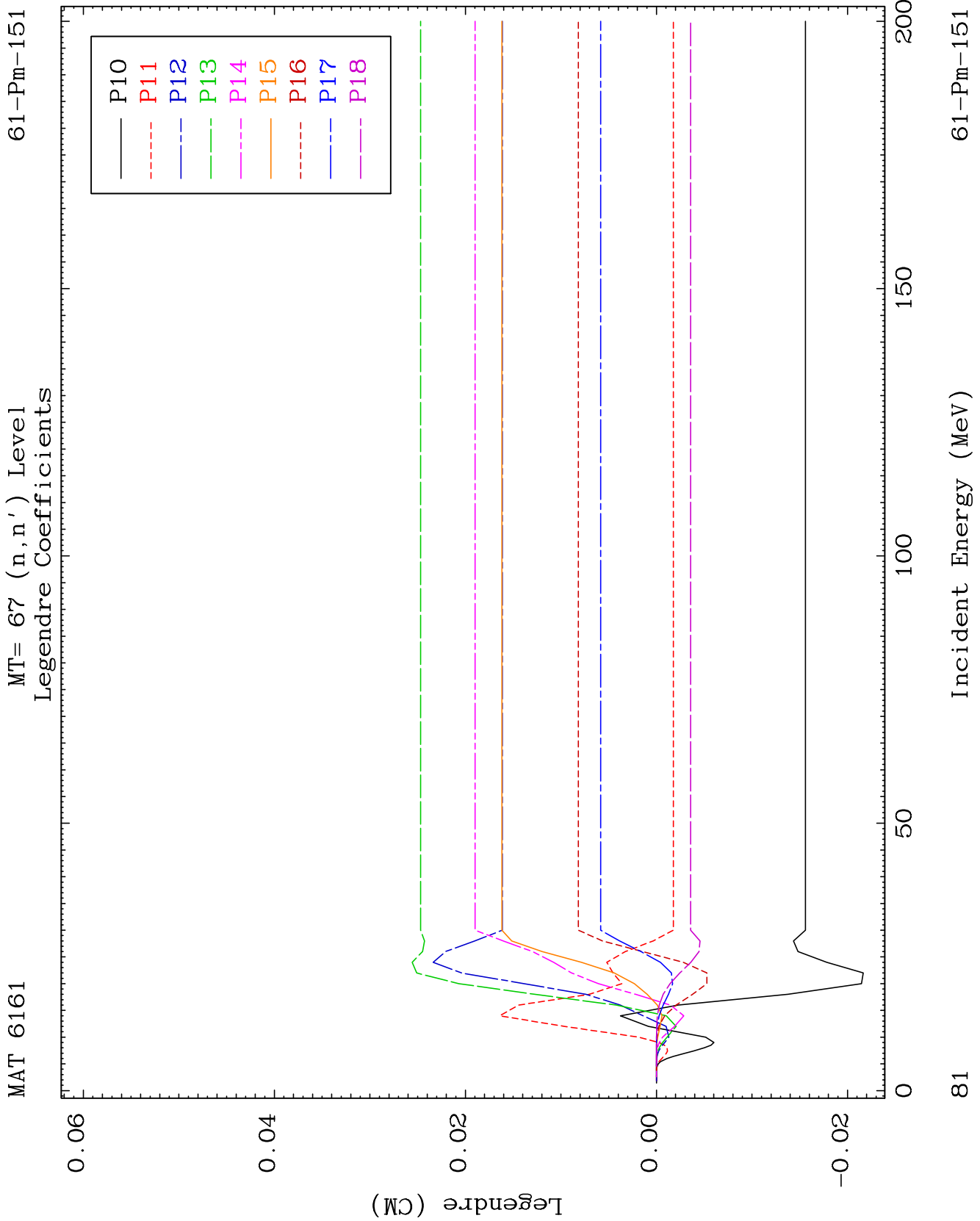
MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-151



61-Pm-151

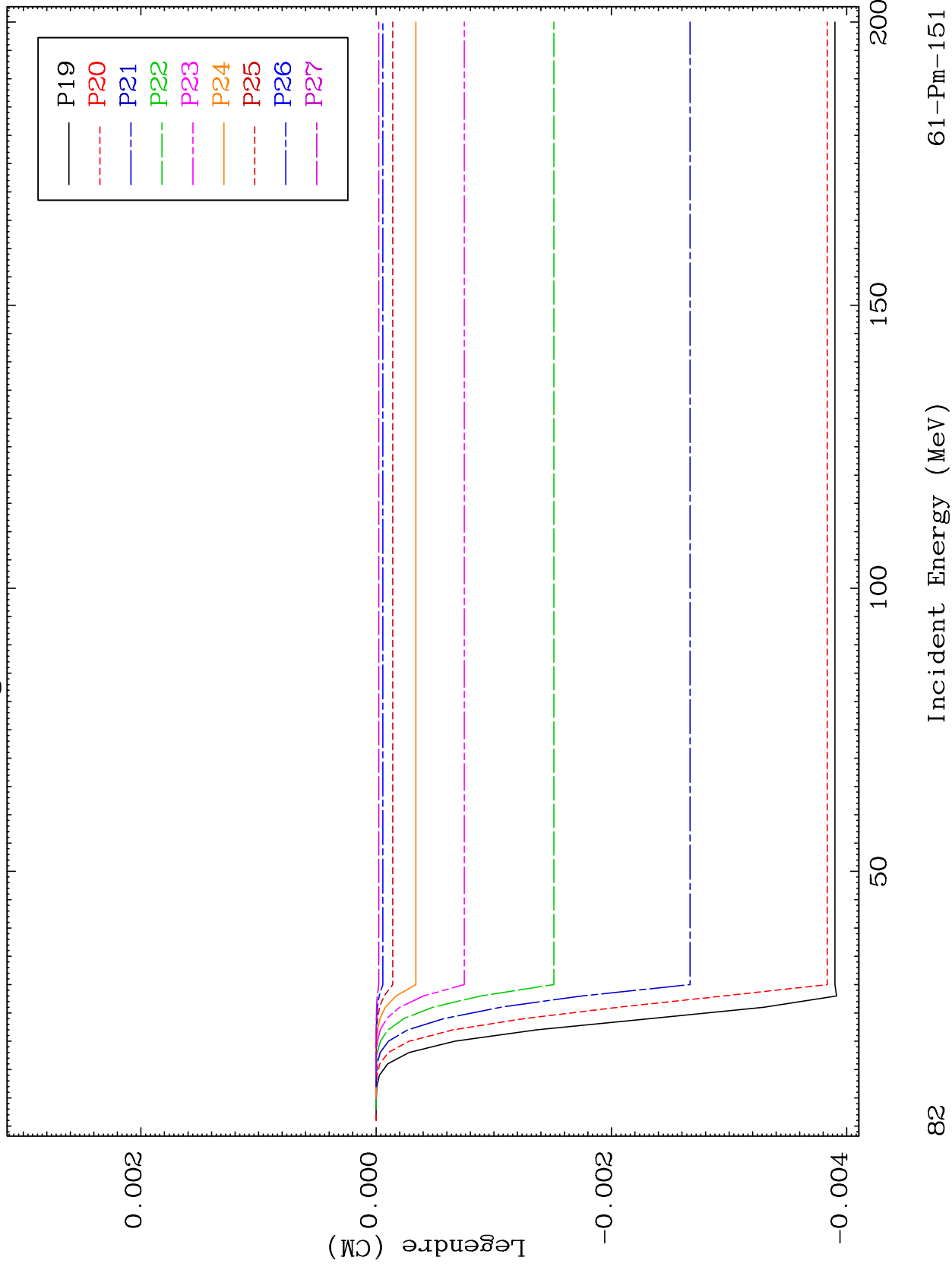
Incident Energy (MeV)



MAT 6161

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

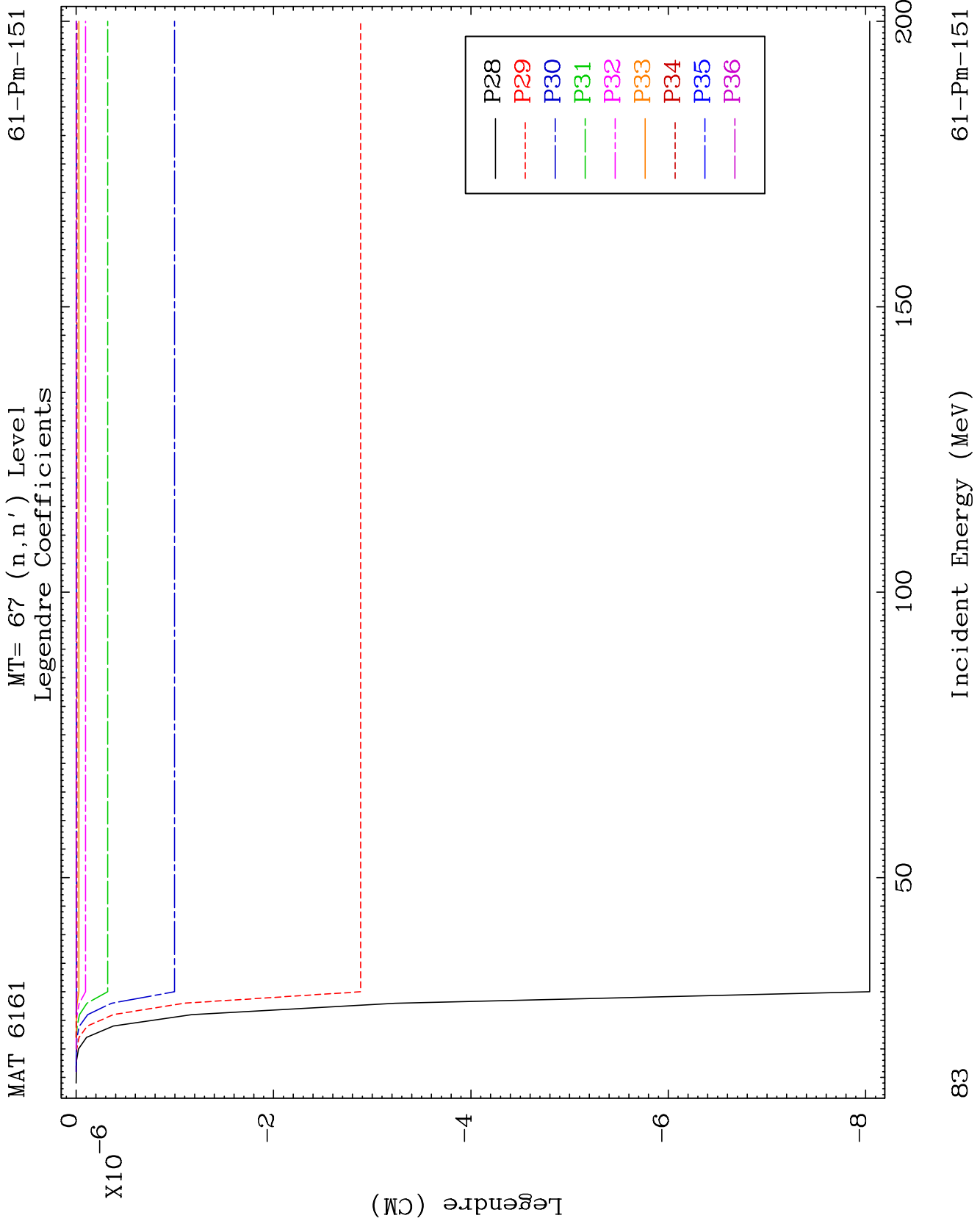
61-Pm-151



82

Incident Energy (MeV)

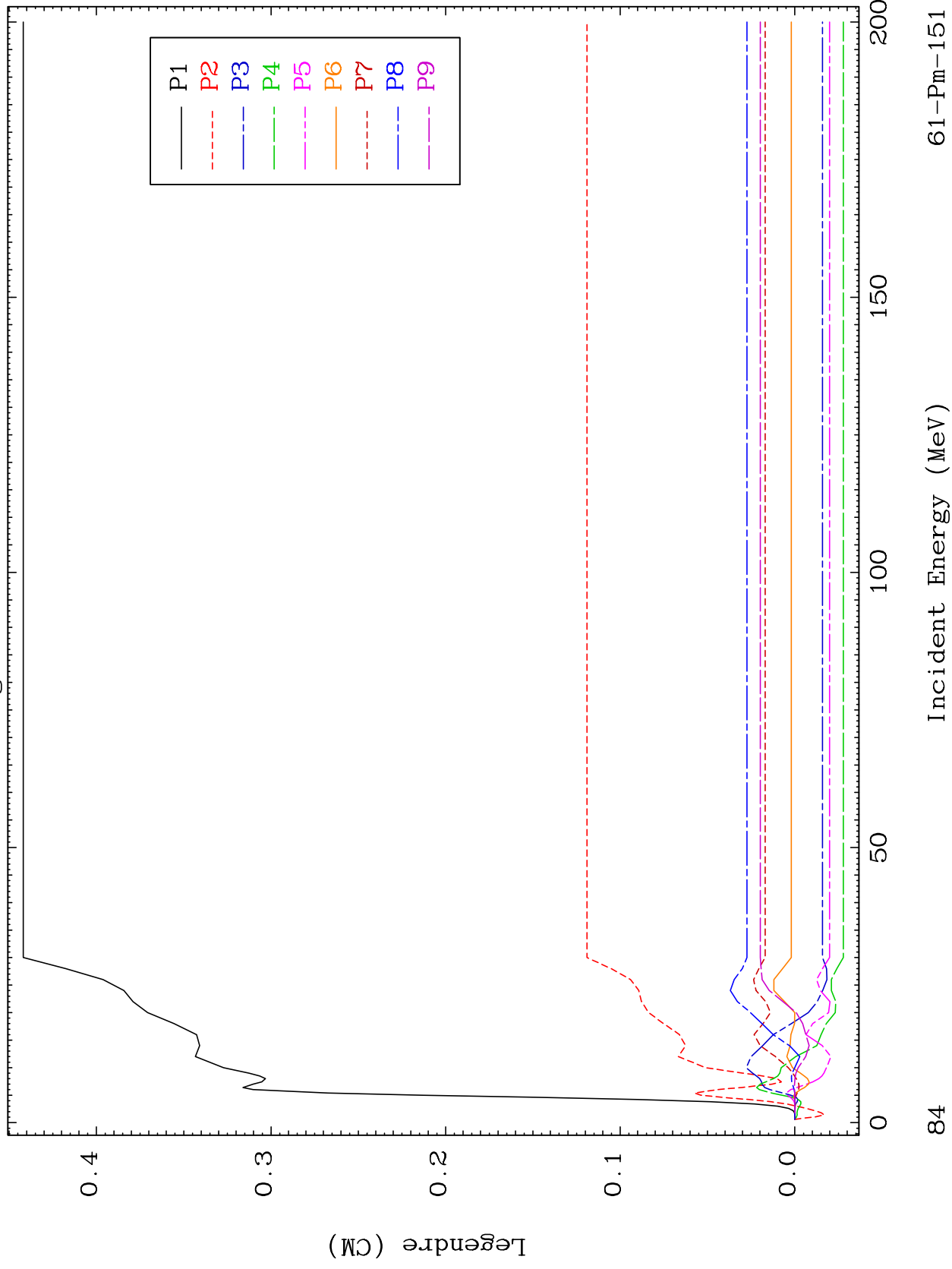
61-Pm-151



MAT 6161

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

61-Pm-151



61-Pm-151

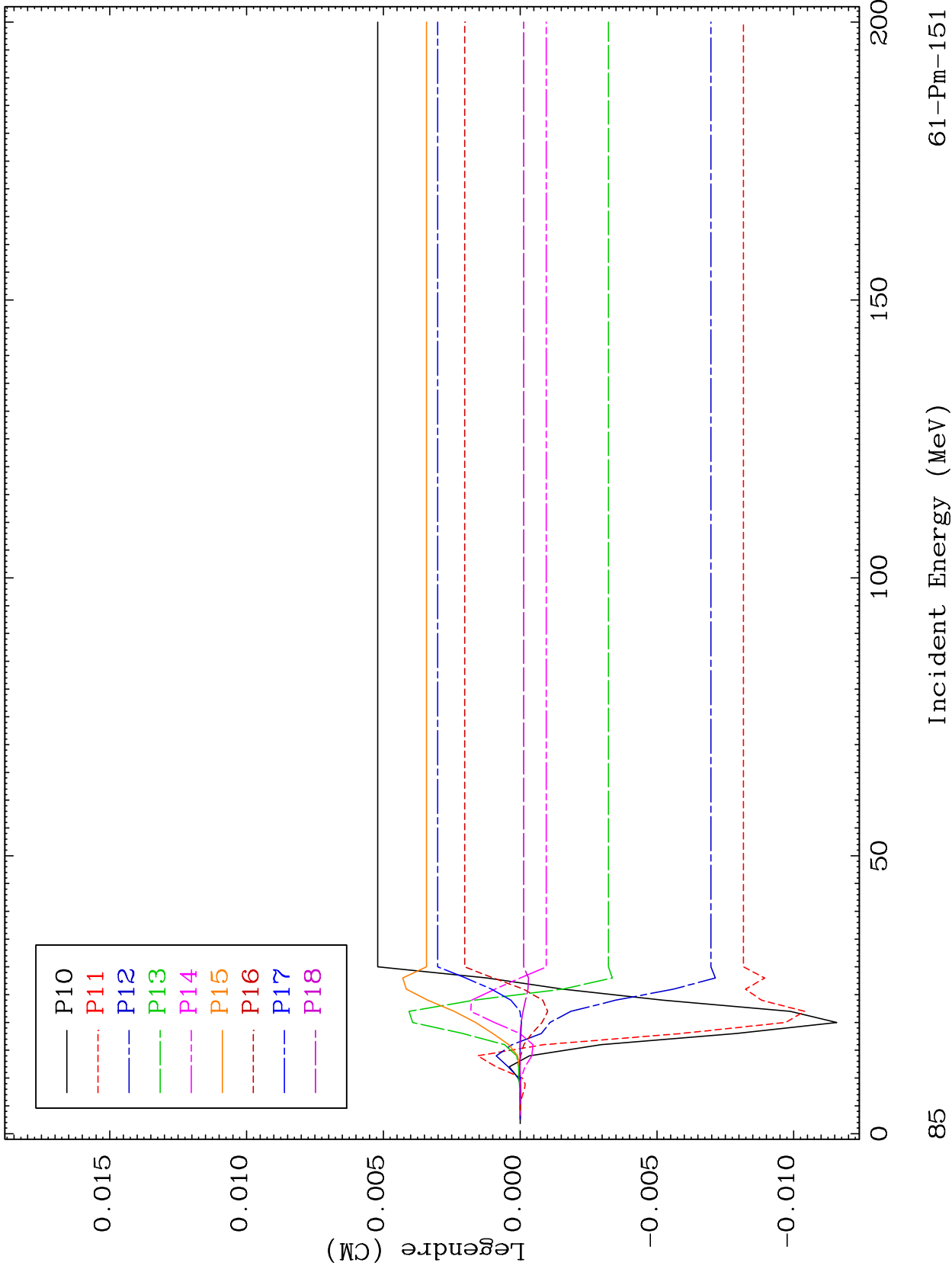
Incident Energy (MeV)

84

MAT 6161

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

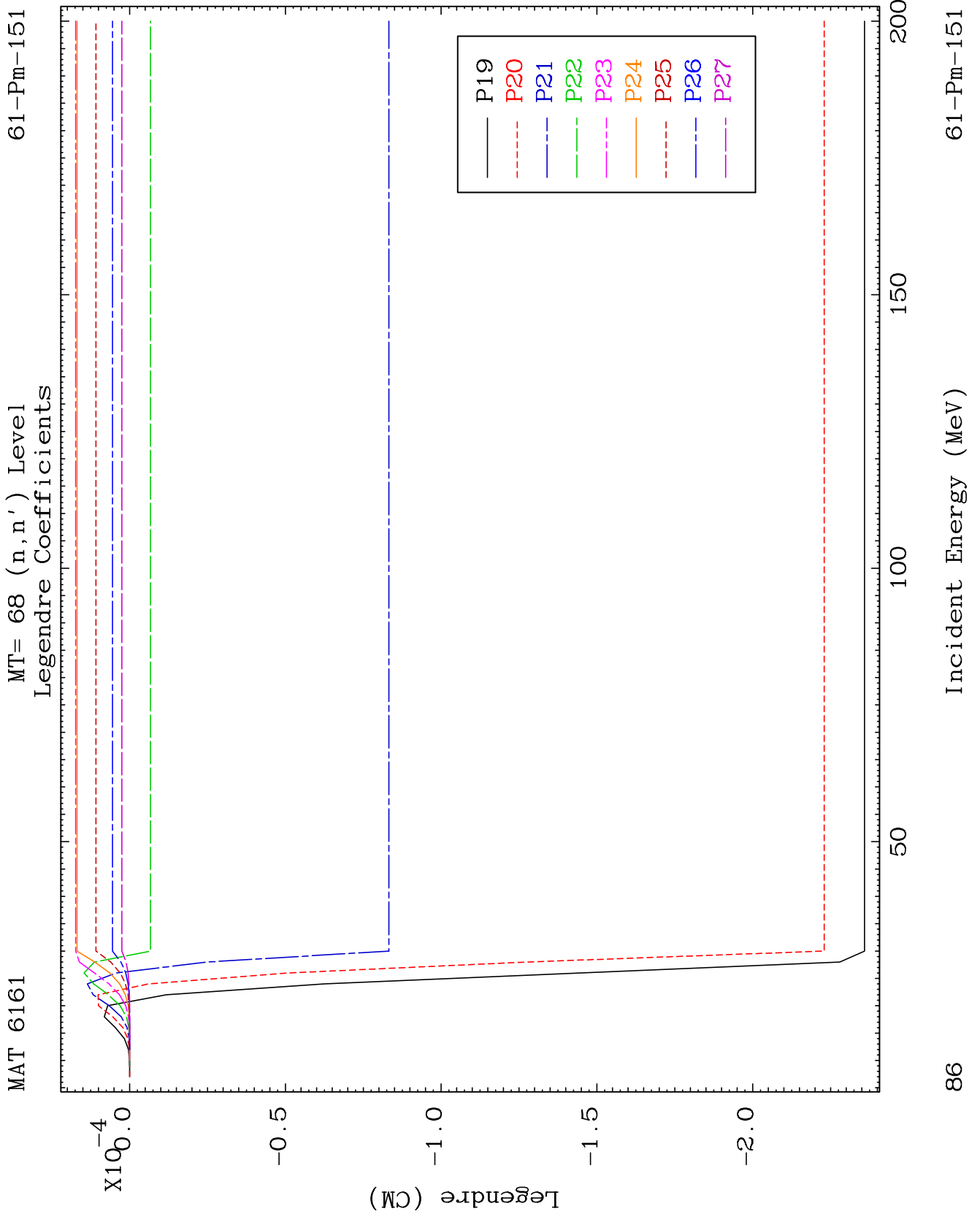
61-Pm-151



85

Incident Energy (MeV)

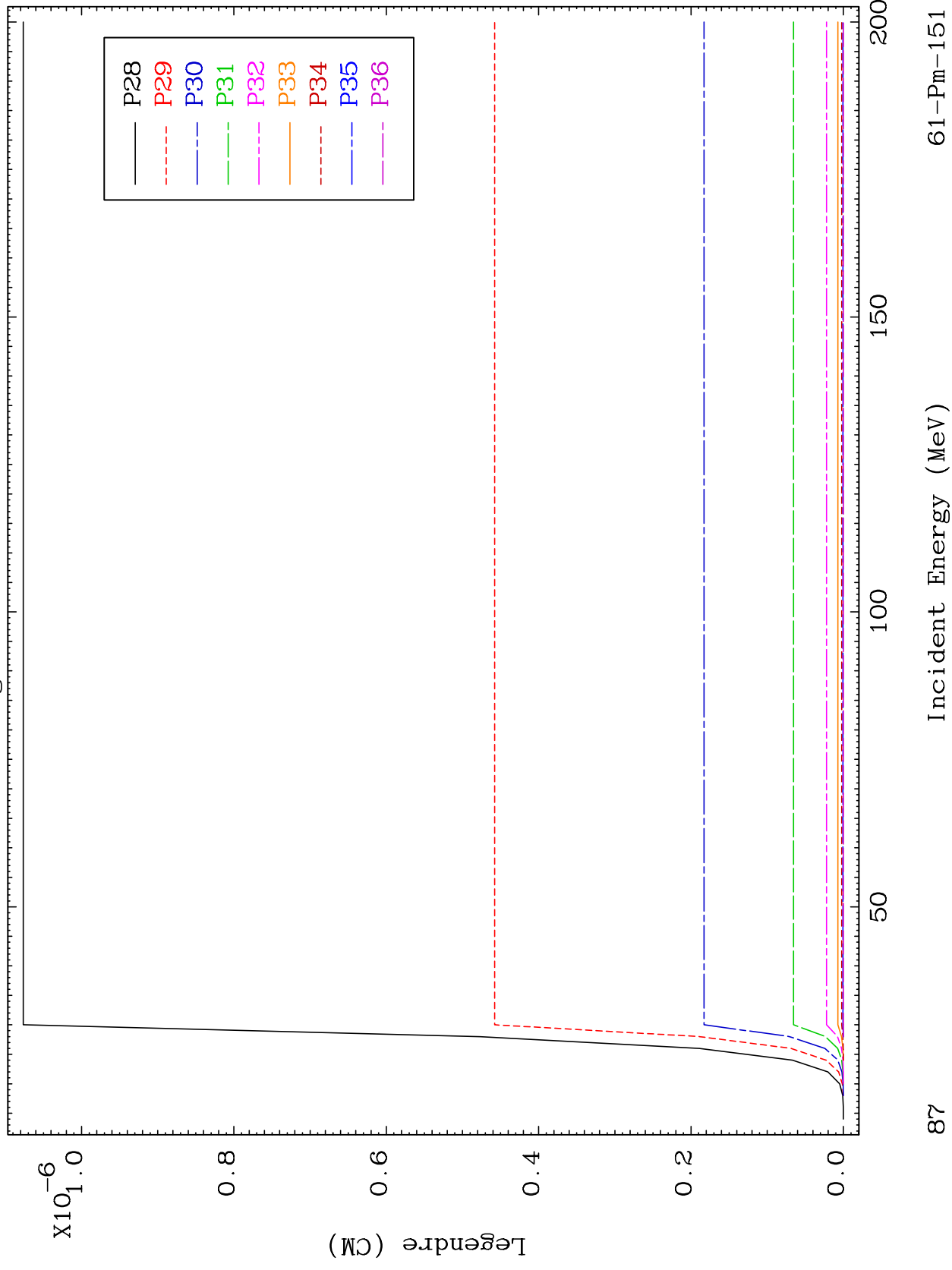
61-Pm-151



MAT 6161

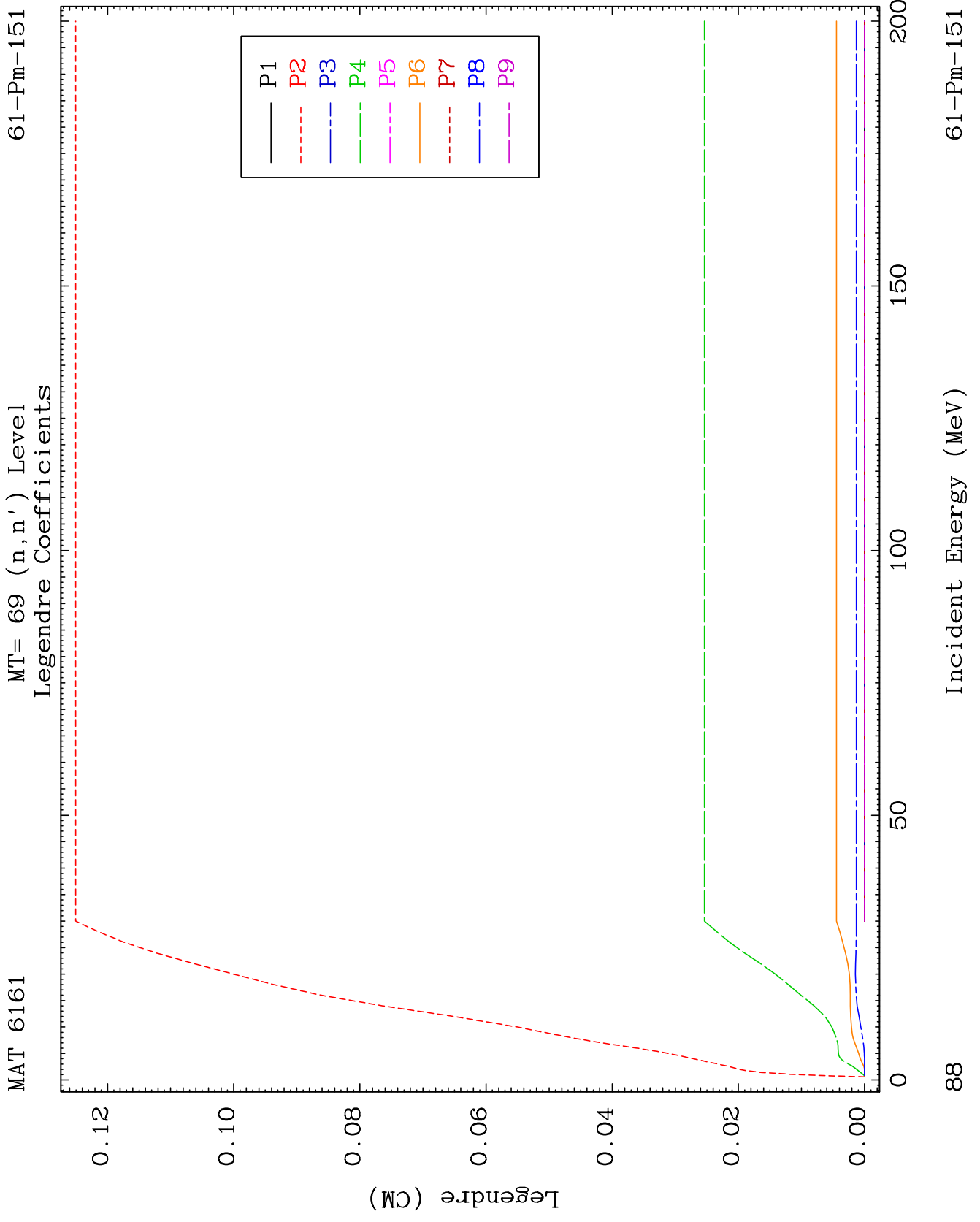
MT= 68 (n,n') Level
Legendre Coefficients

61-Pm-151



87

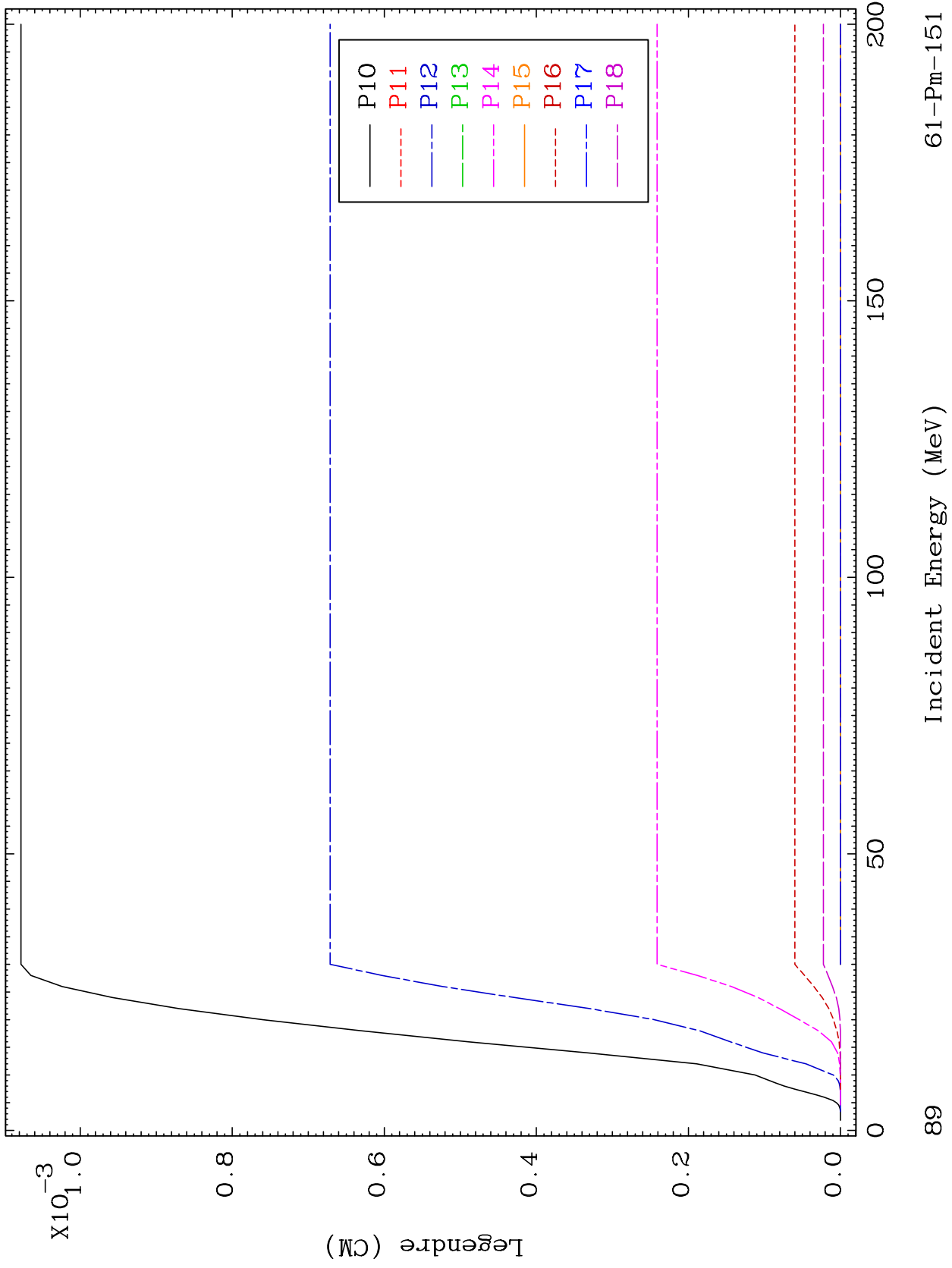
61-Pm-151

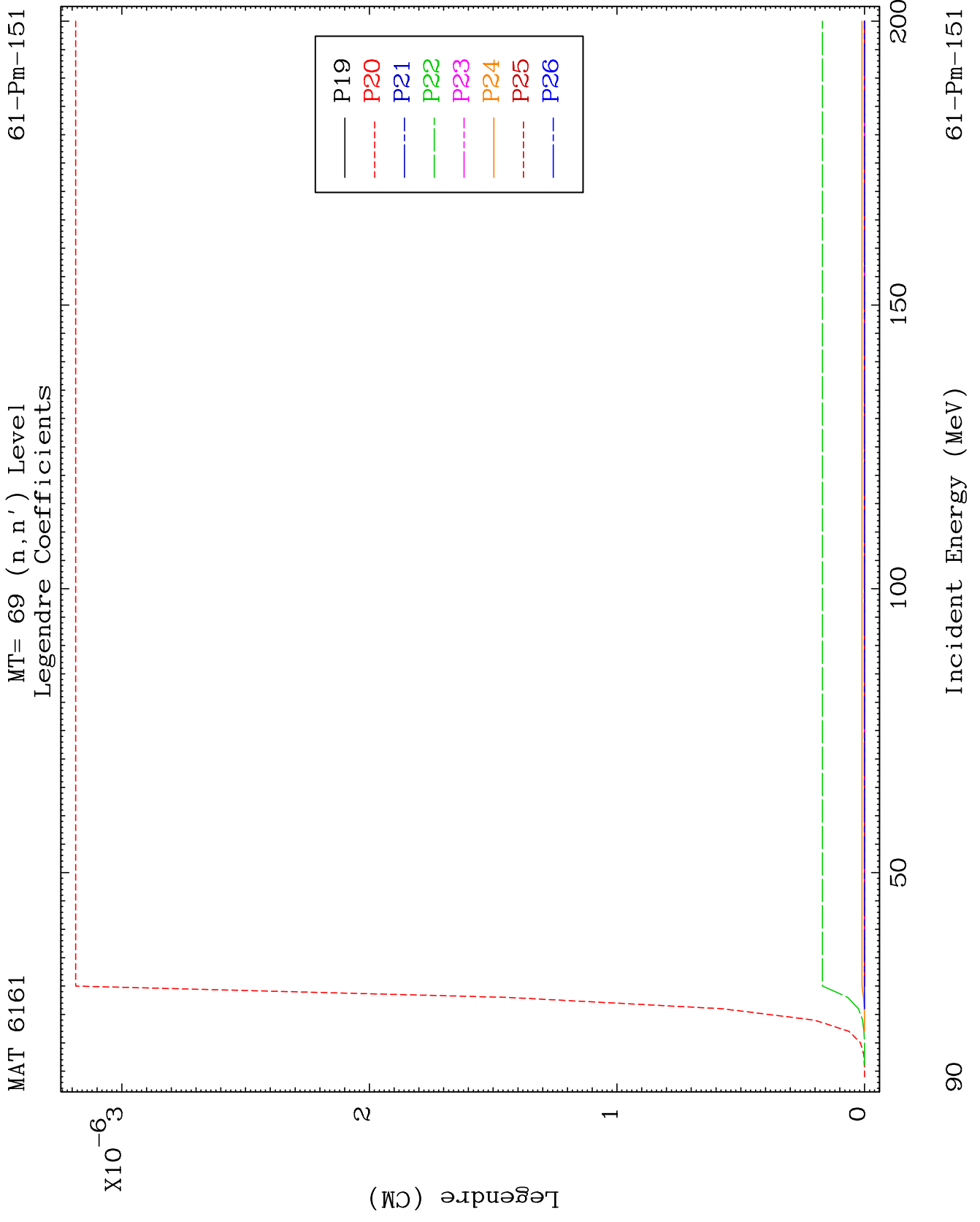


MAT 6161

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

61-Pm-151

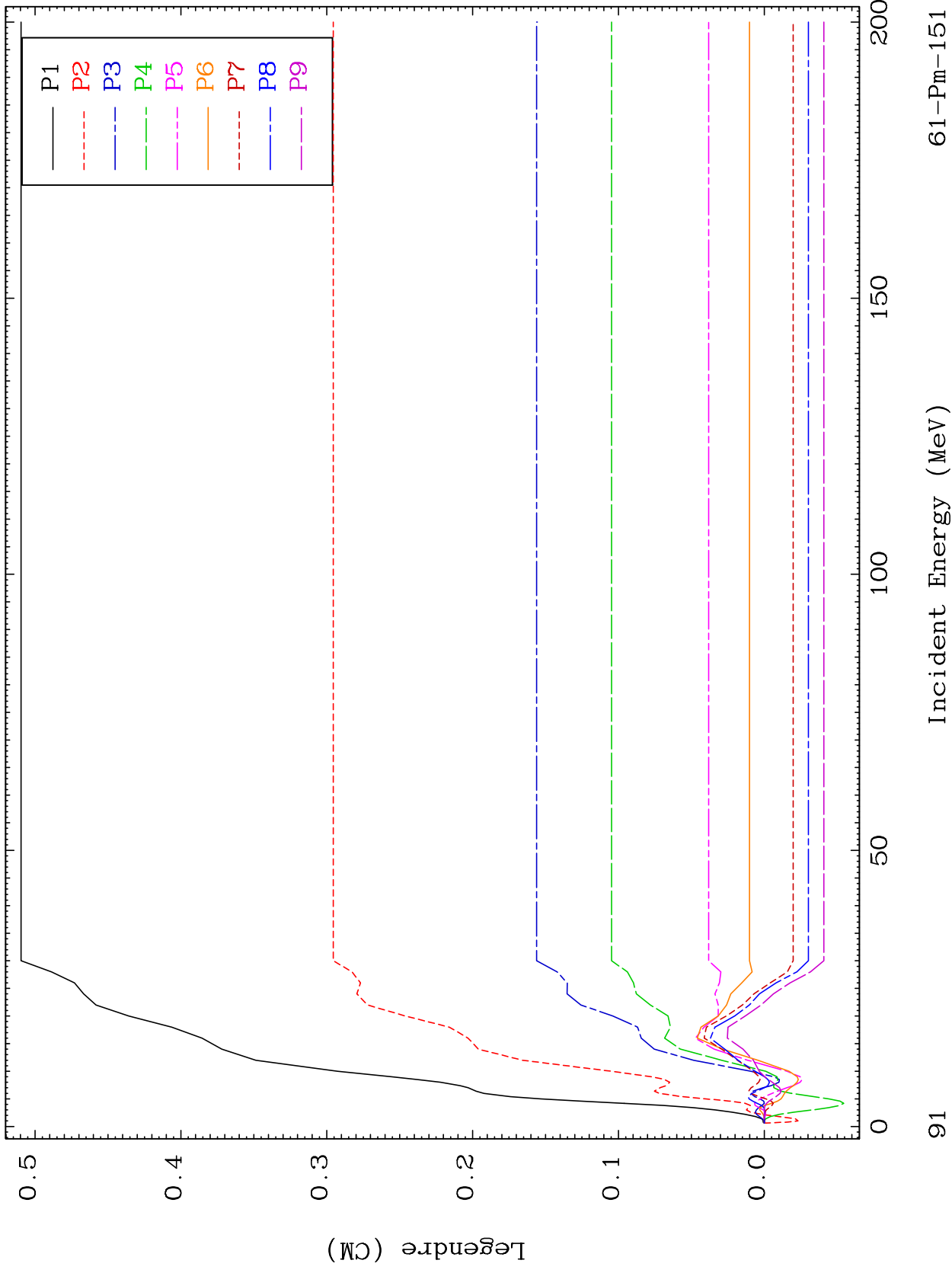


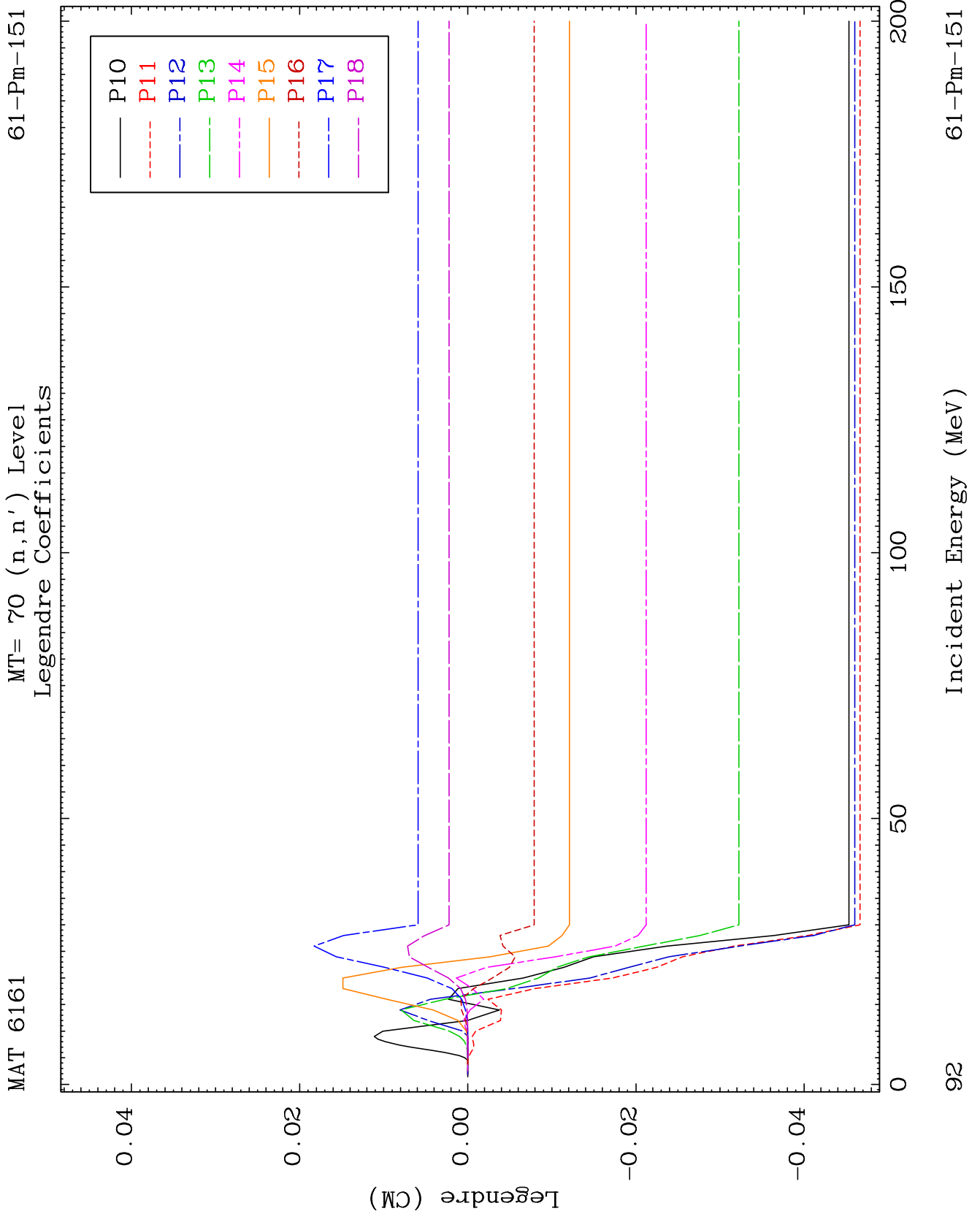


MAT 6161

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

61-Pm-151

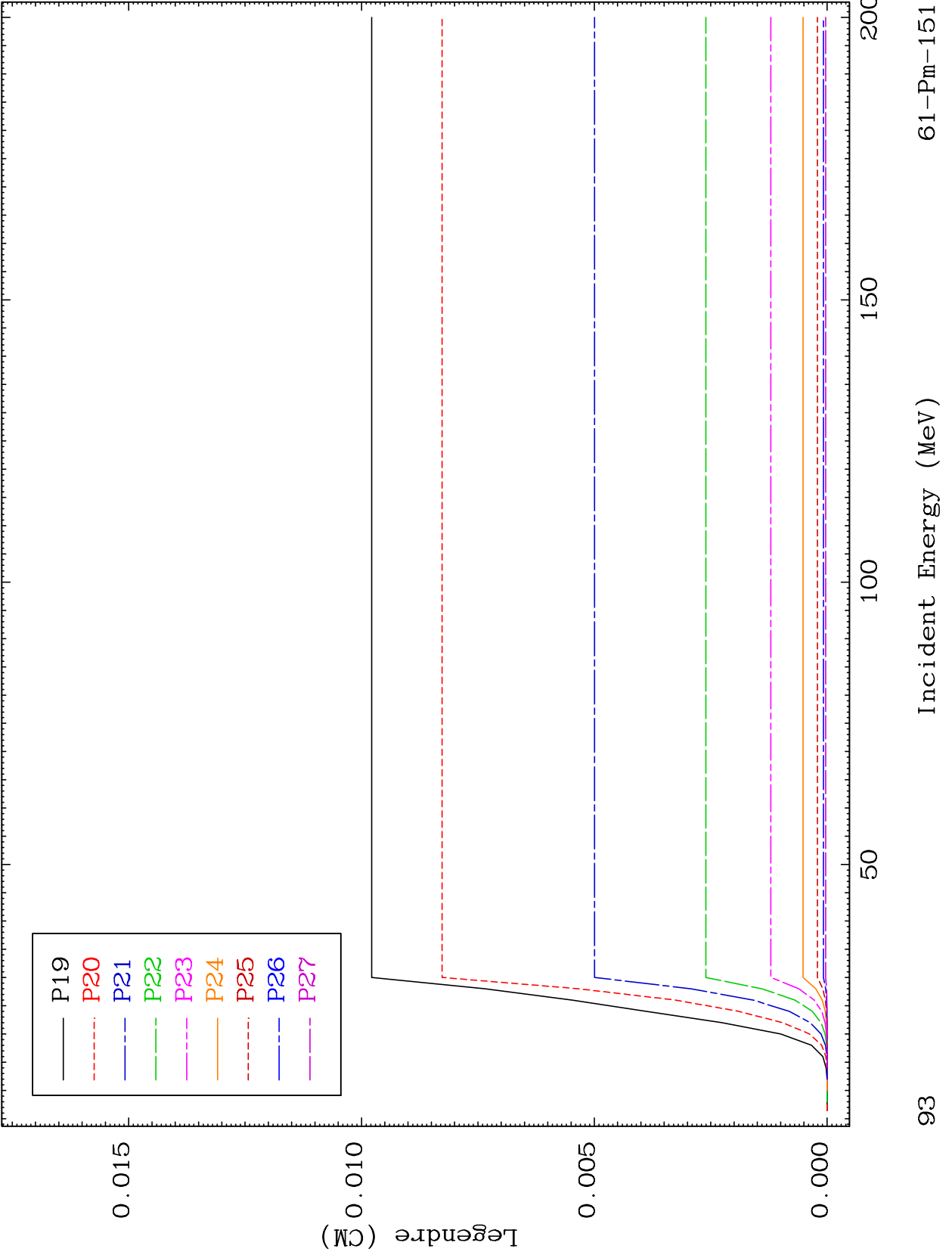




MAT 6161

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

61-Pm-151



93

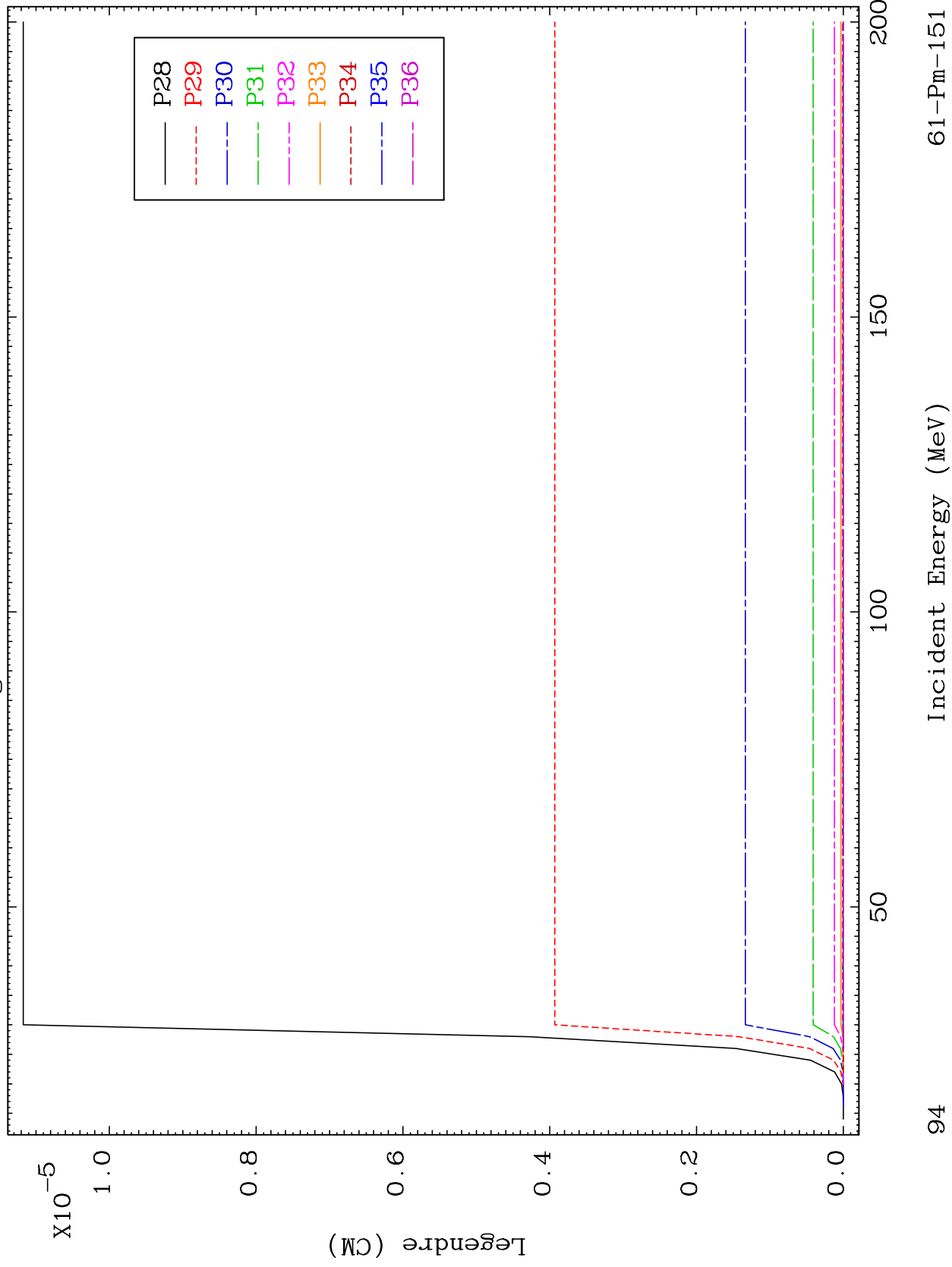
Incident Energy (MeV)

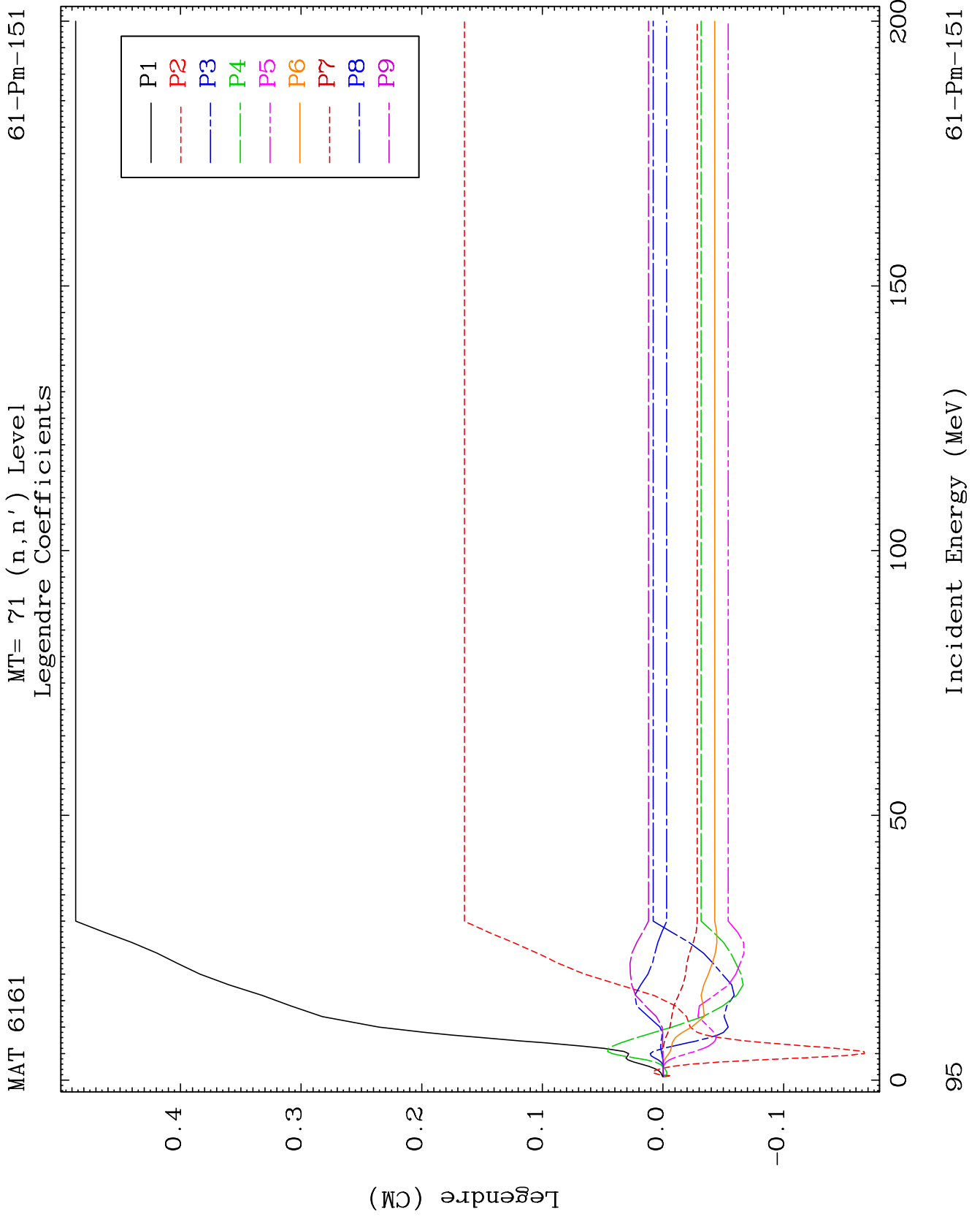
61-Pm-151

MAT 6161

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

61-Pm-151

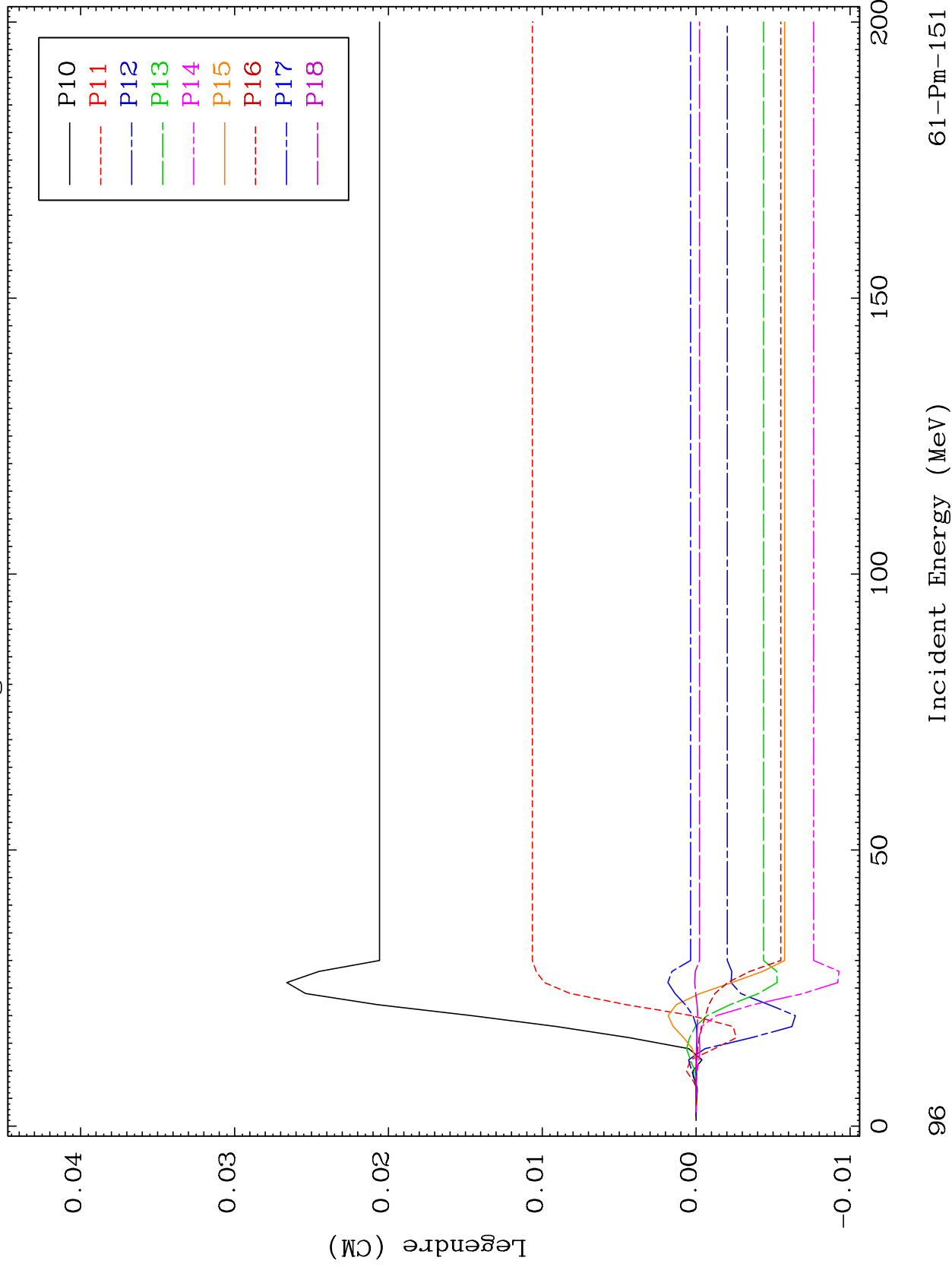




MAT 6161

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

61-Pm-151



96

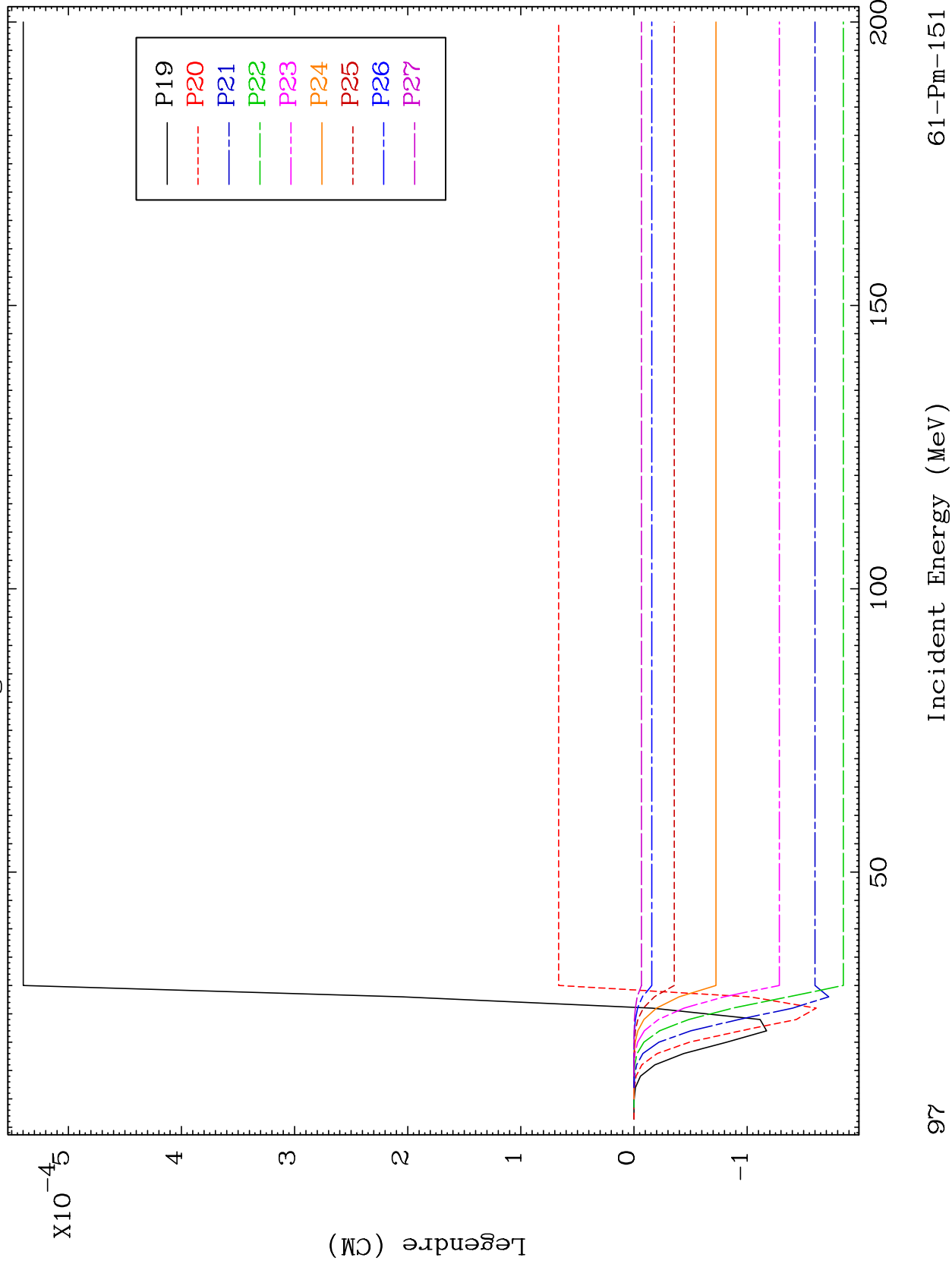
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

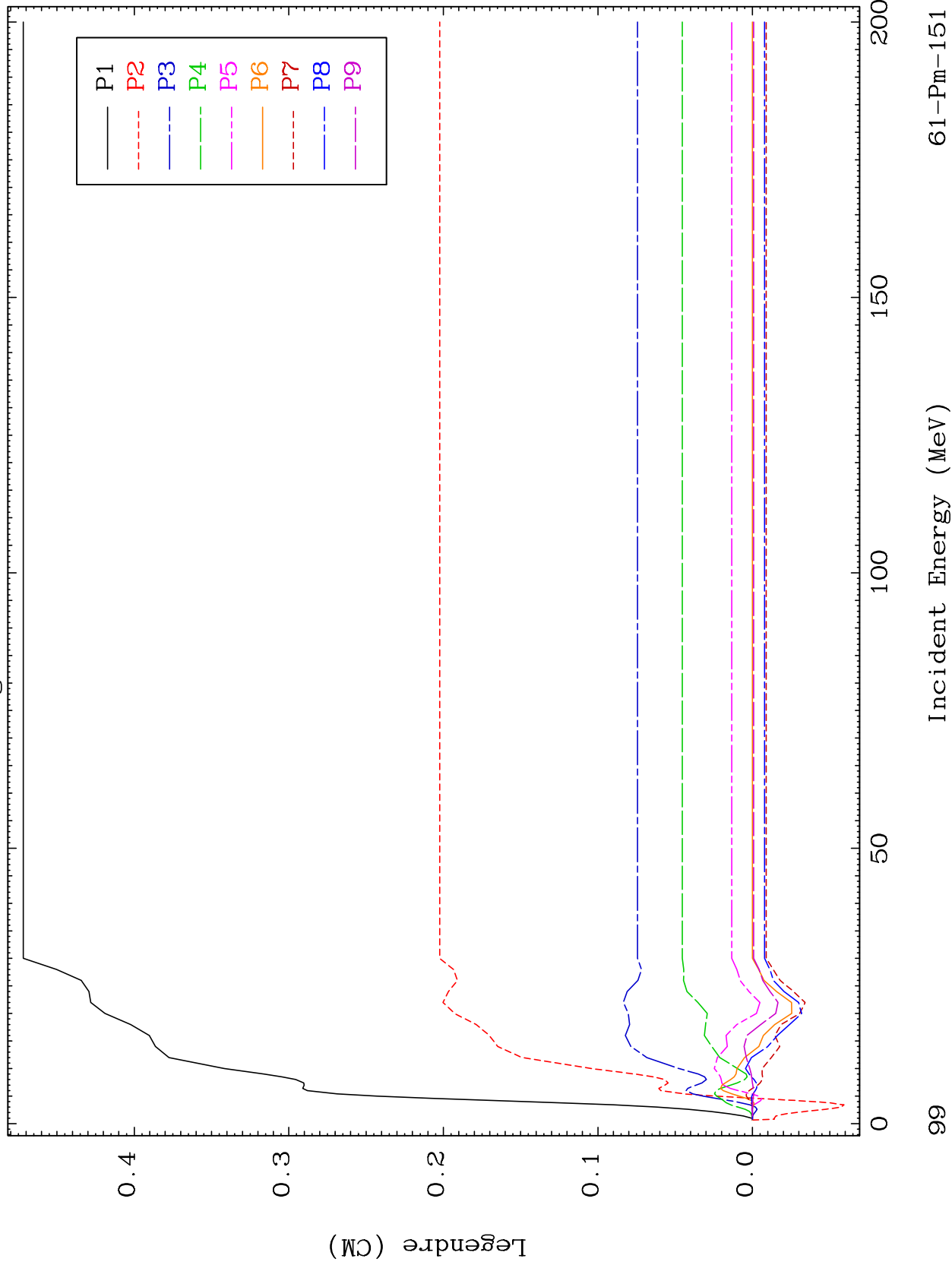
61-Pm-151



MAT 6161

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

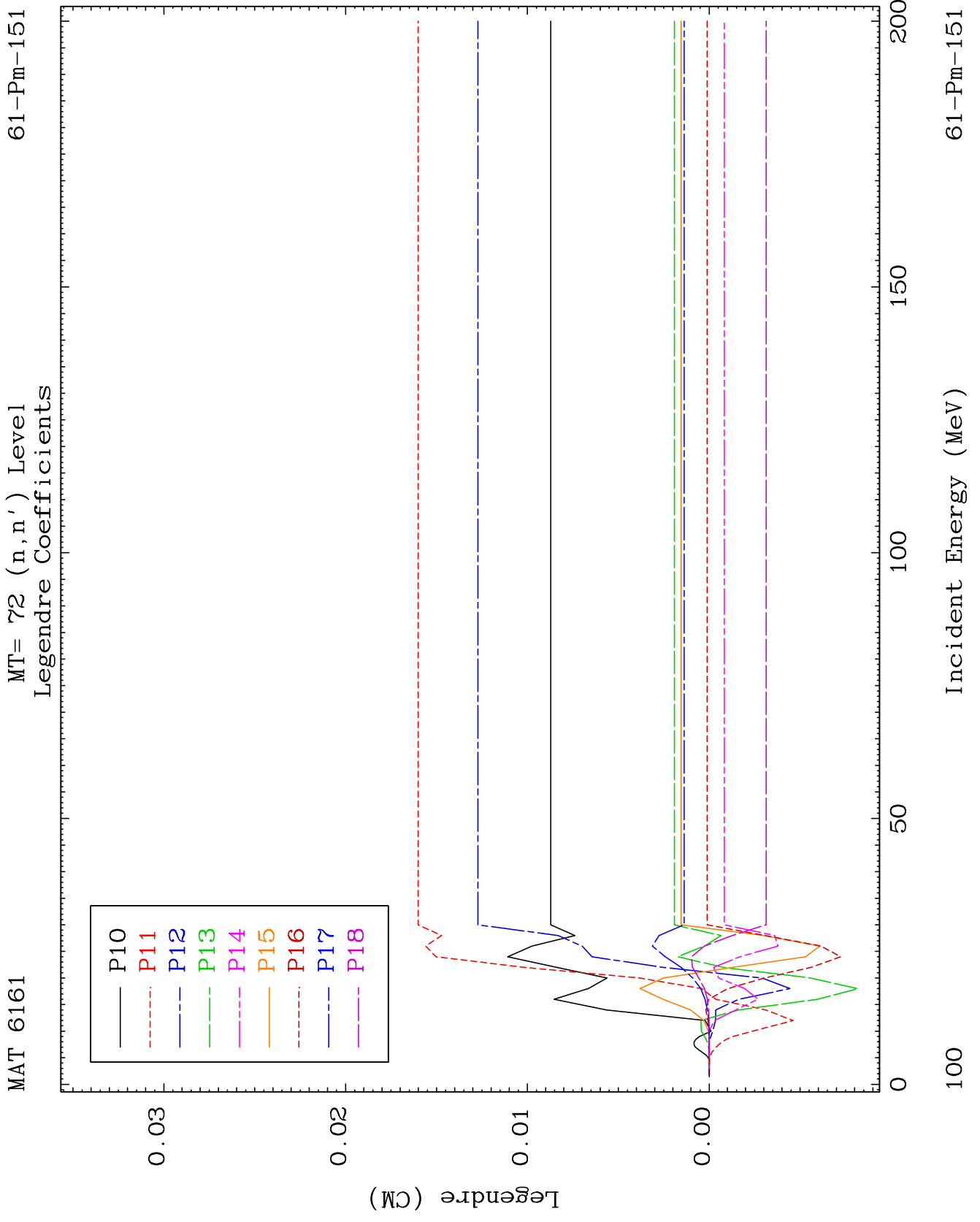
61-Pm-151



61-Pm-151

Incident Energy (MeV)

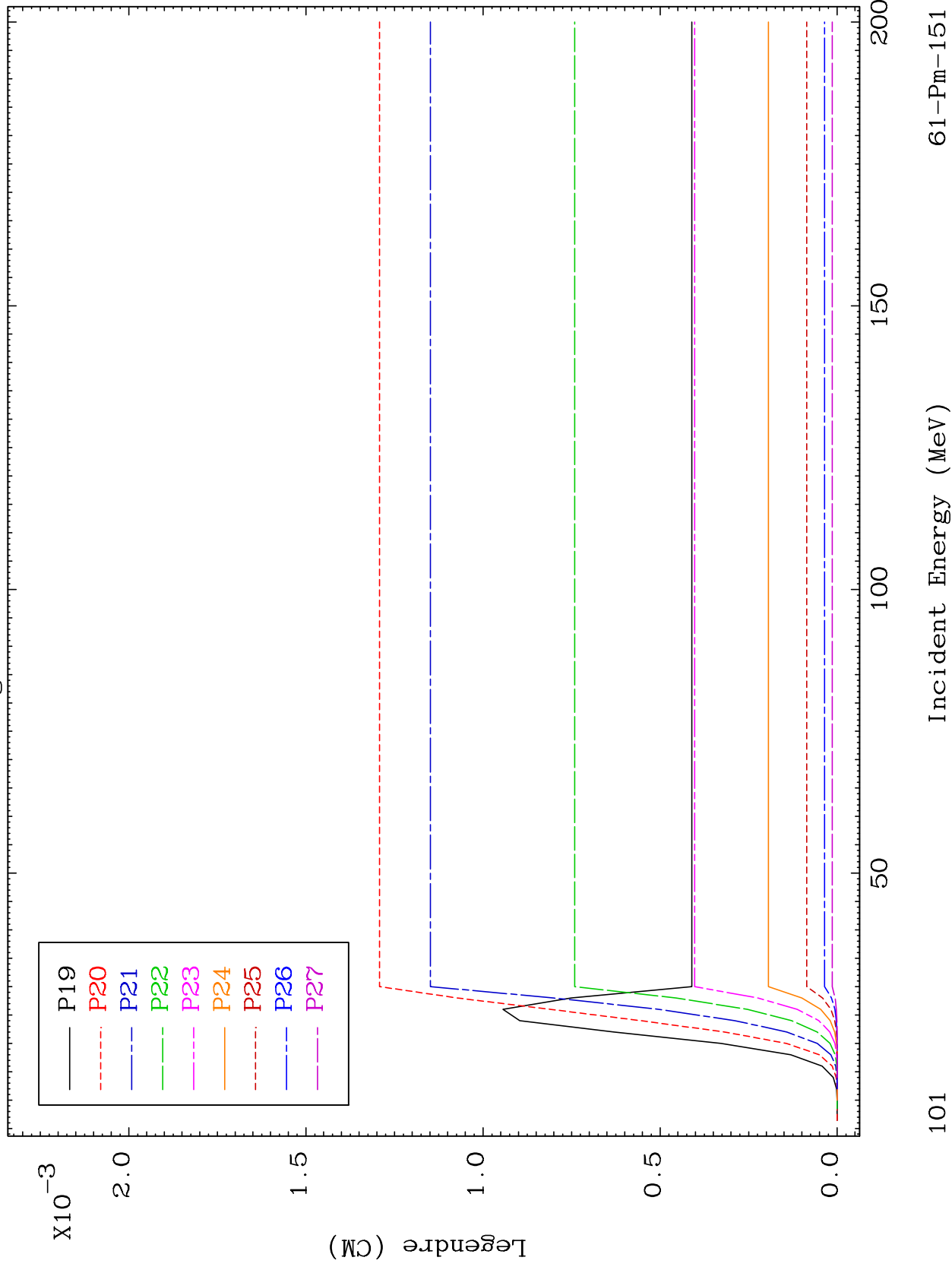
99



MAT 6161

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

61-Pm-151



101

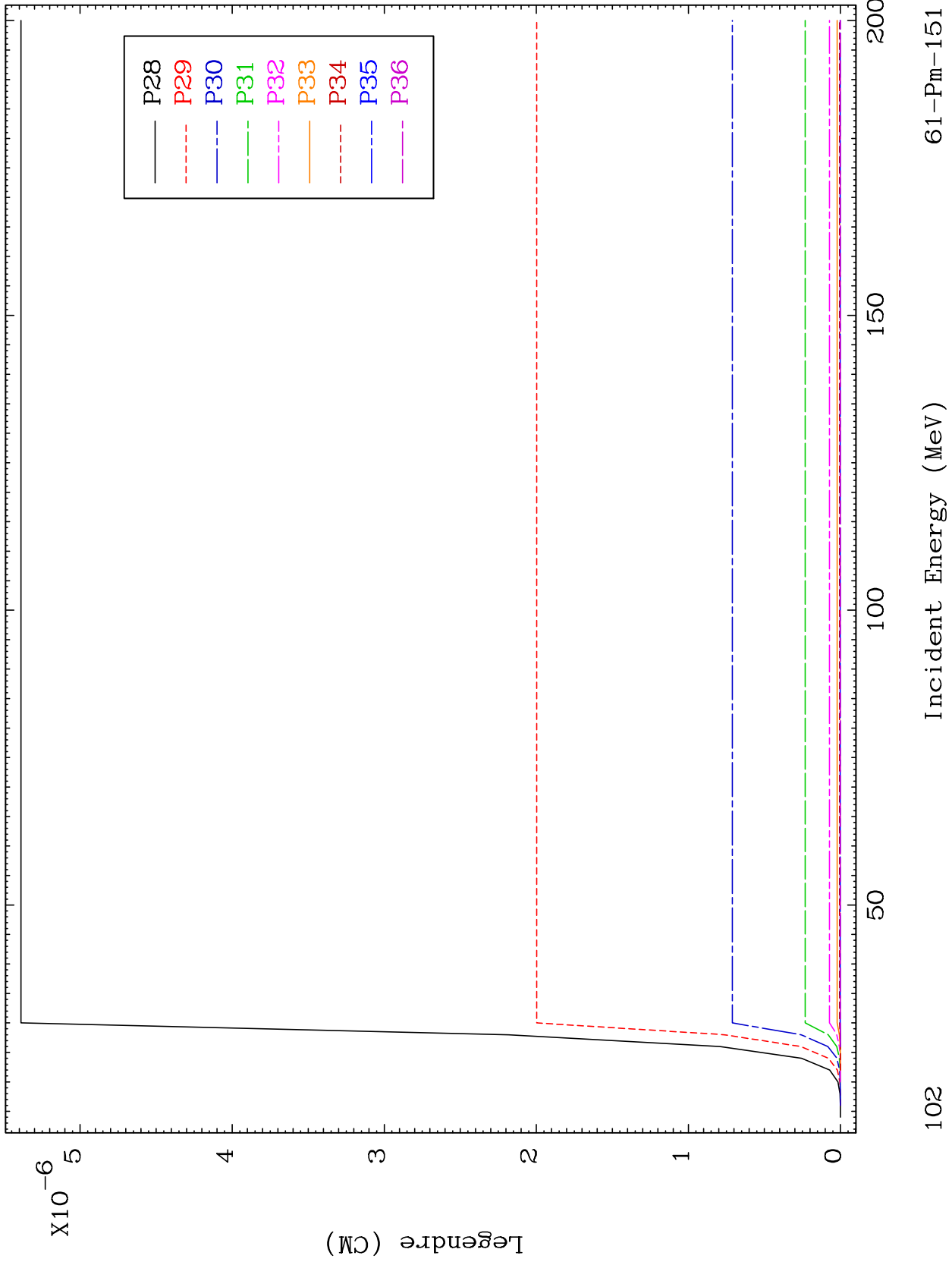
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



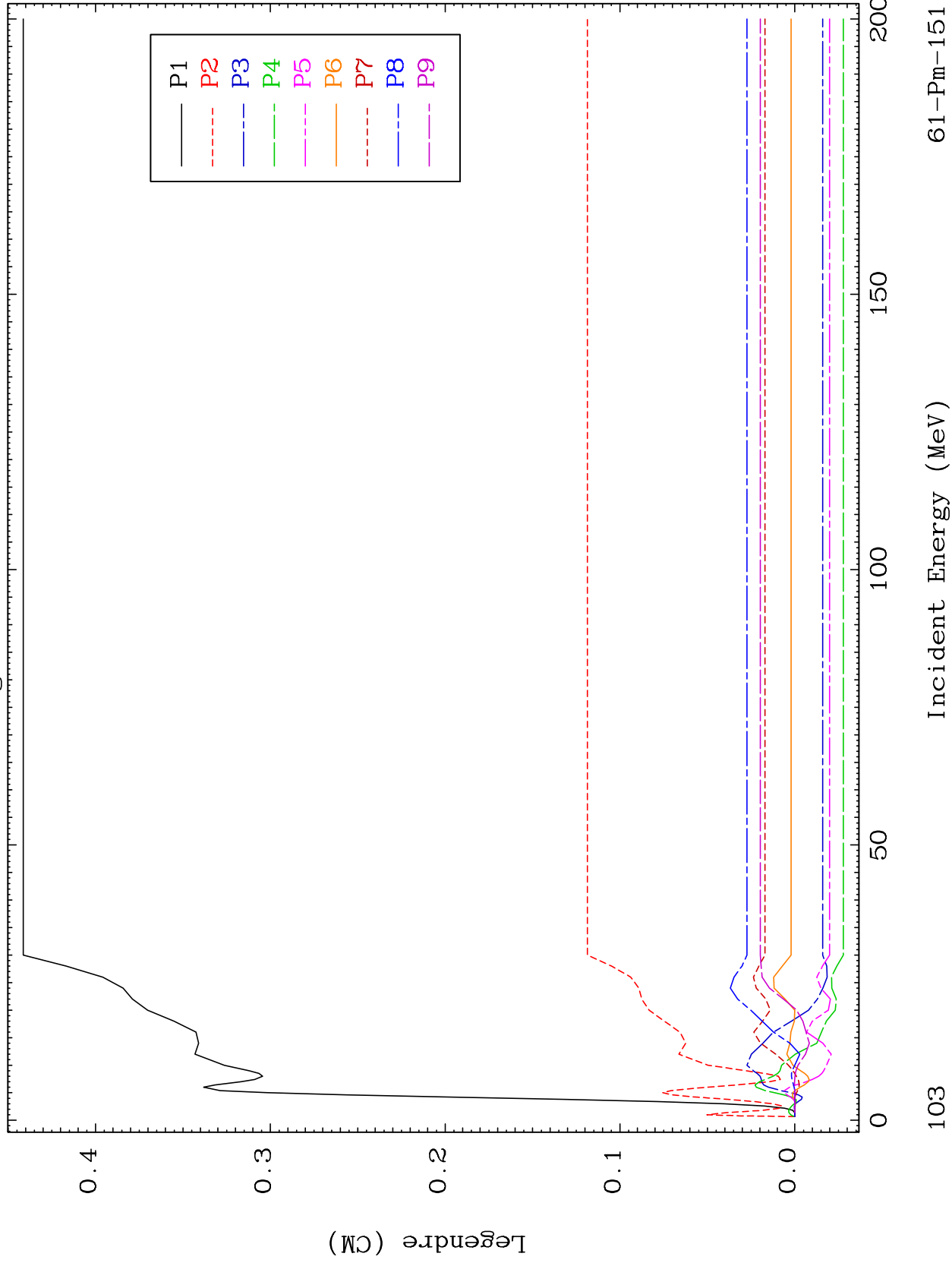
102

61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

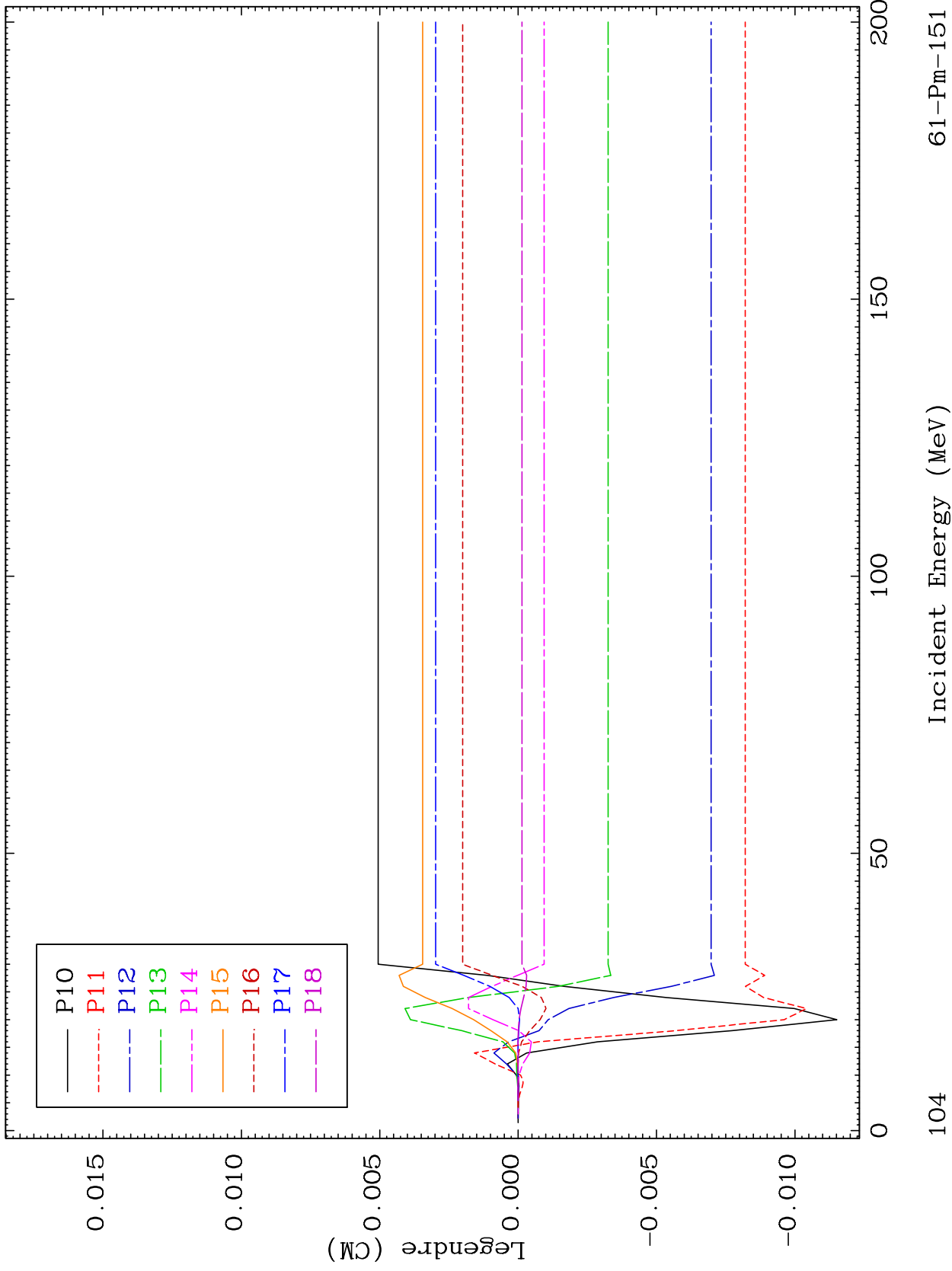
Incident Energy (MeV)

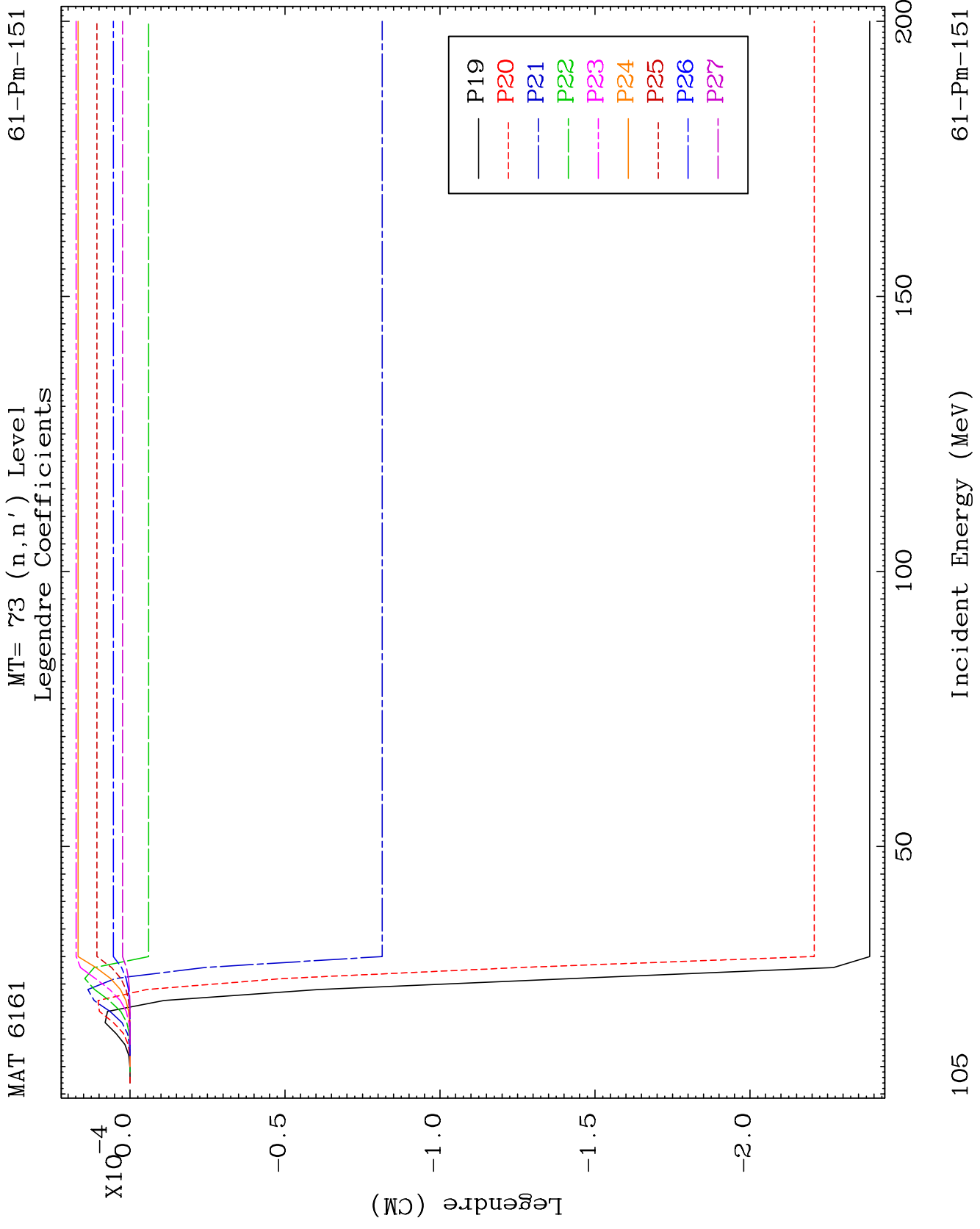
103

MAT 6161

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

61-Pm-151

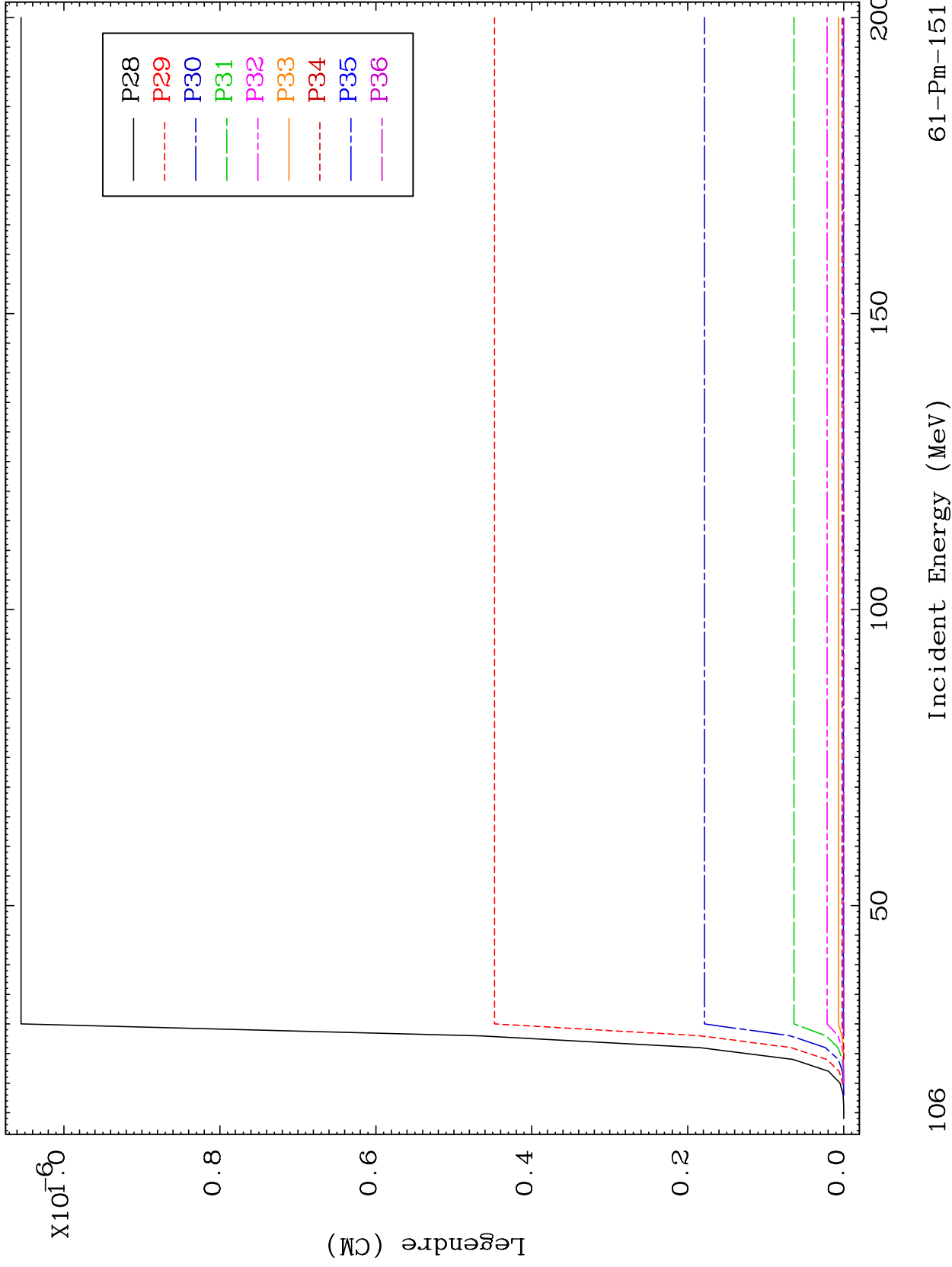




MAT 6161

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

61-Pm-151



106

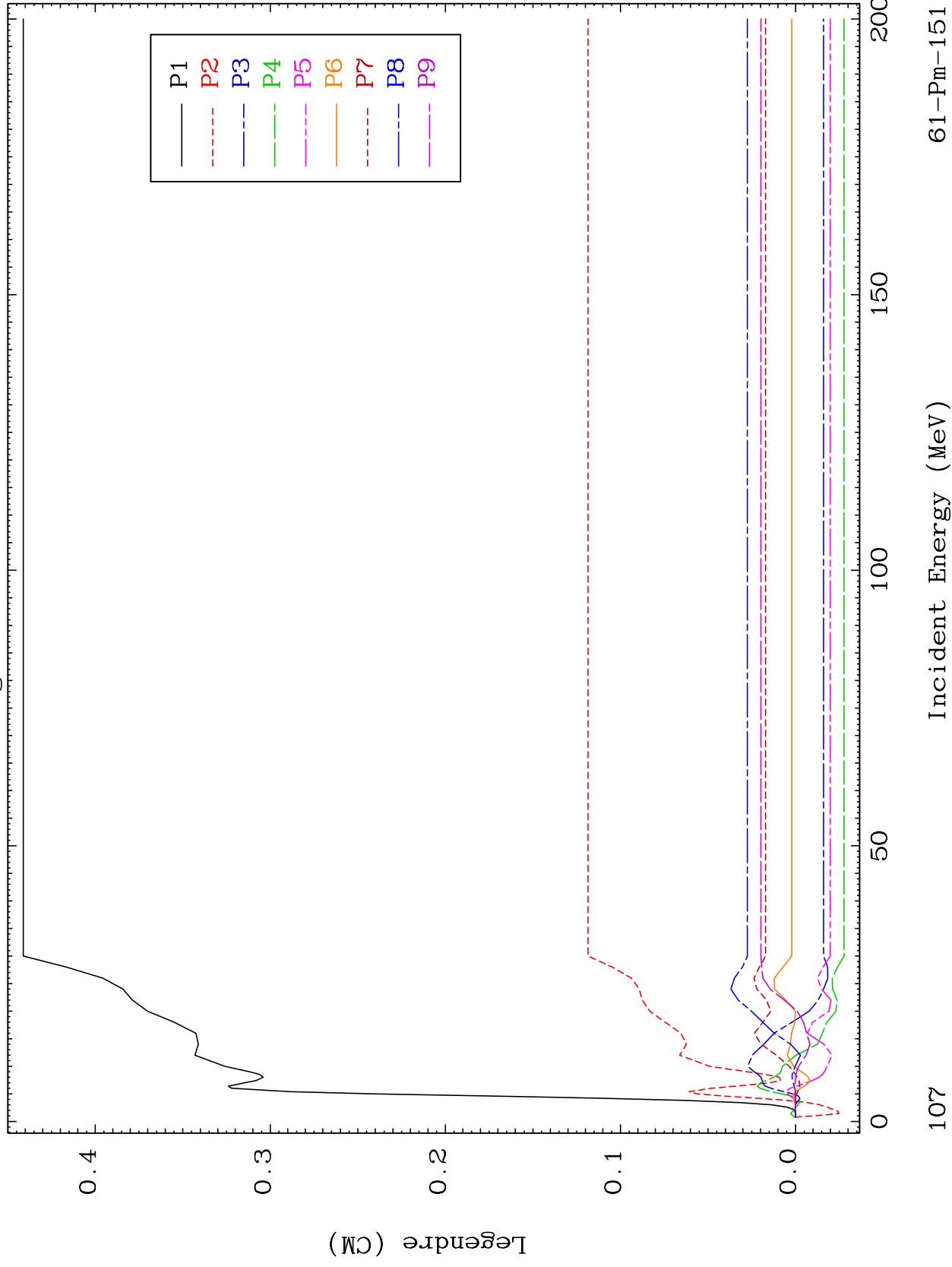
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

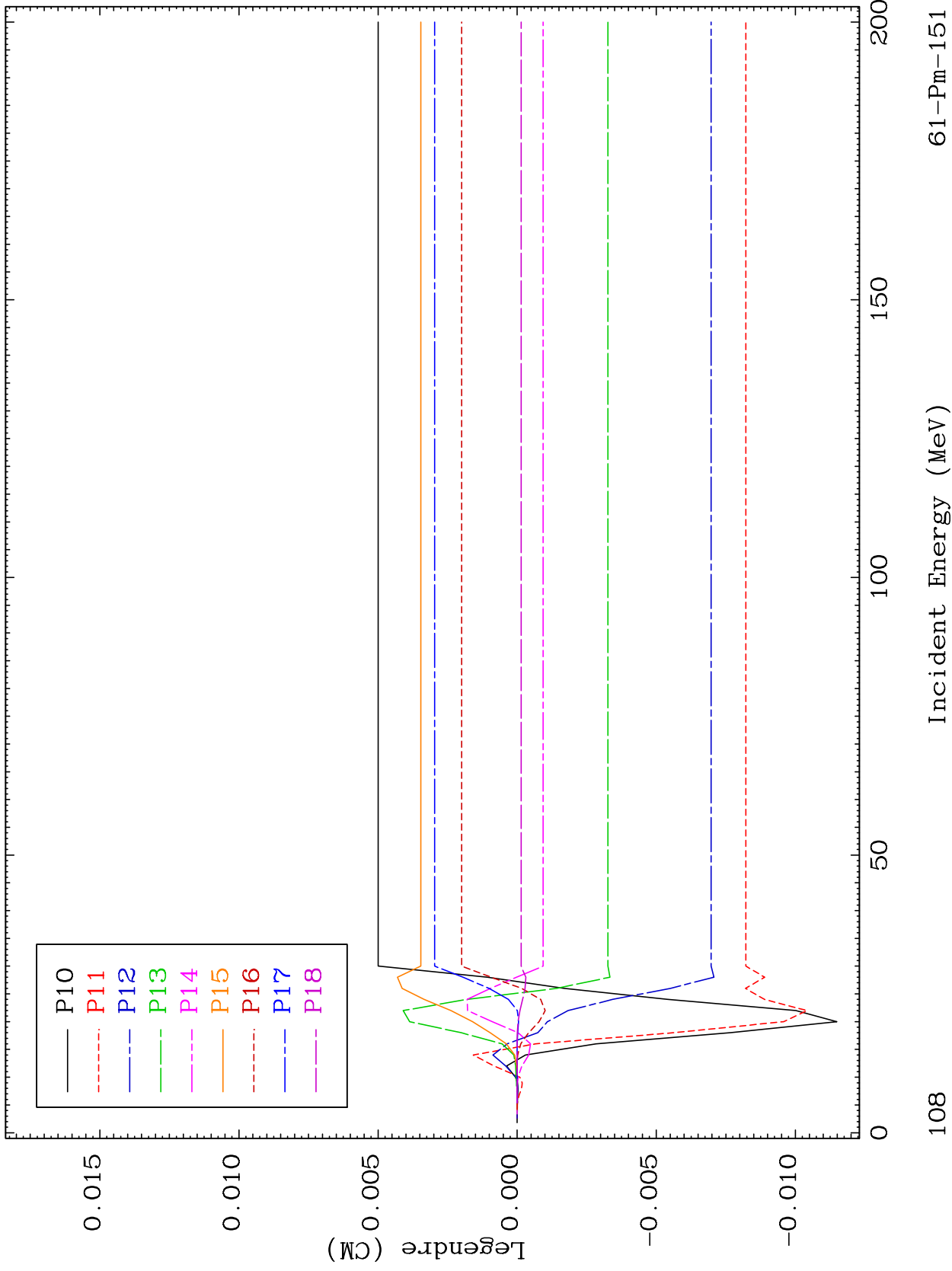
Incident Energy (MeV)

107

MAT 6161

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

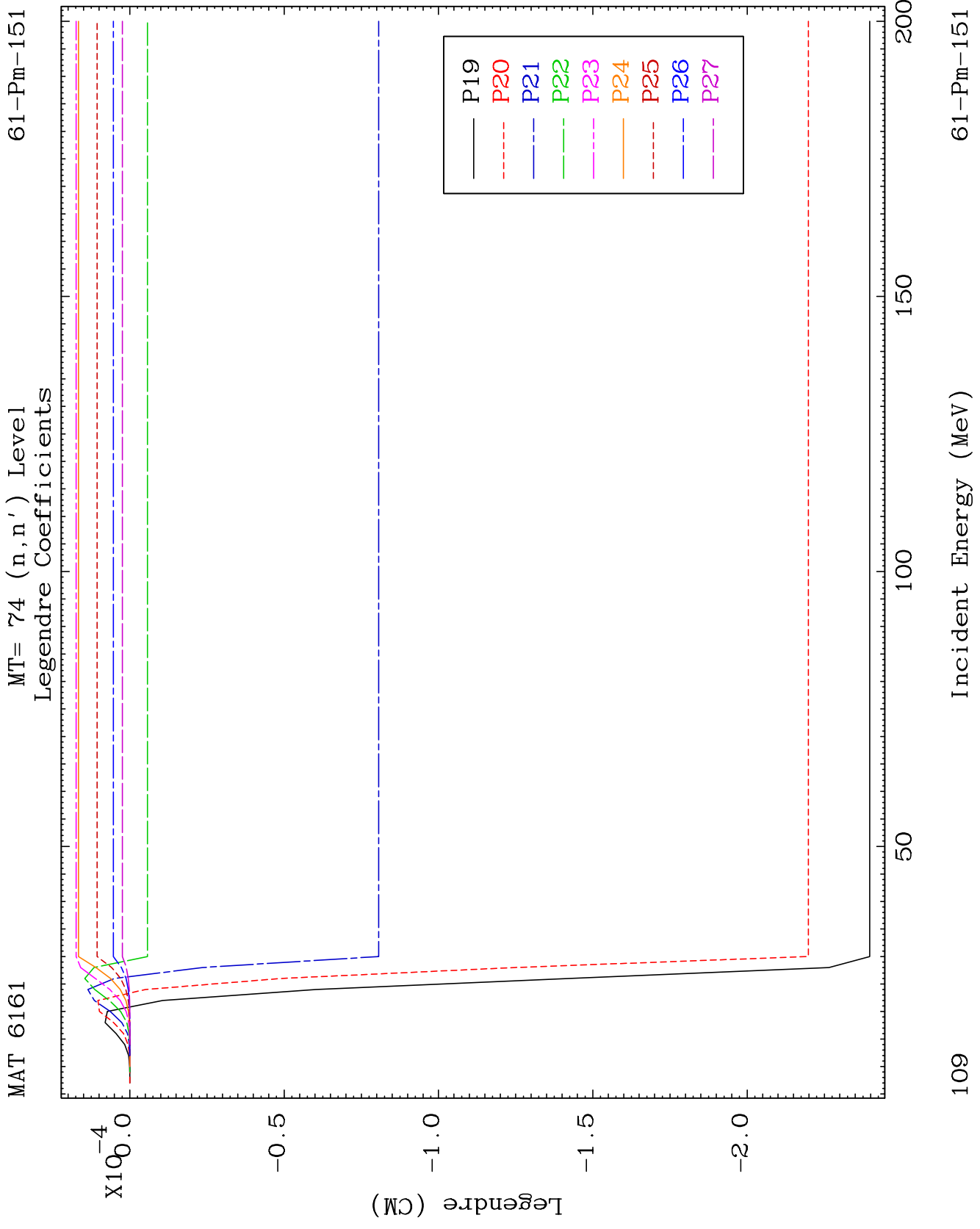
61-Pm-151



108

Incident Energy (MeV)

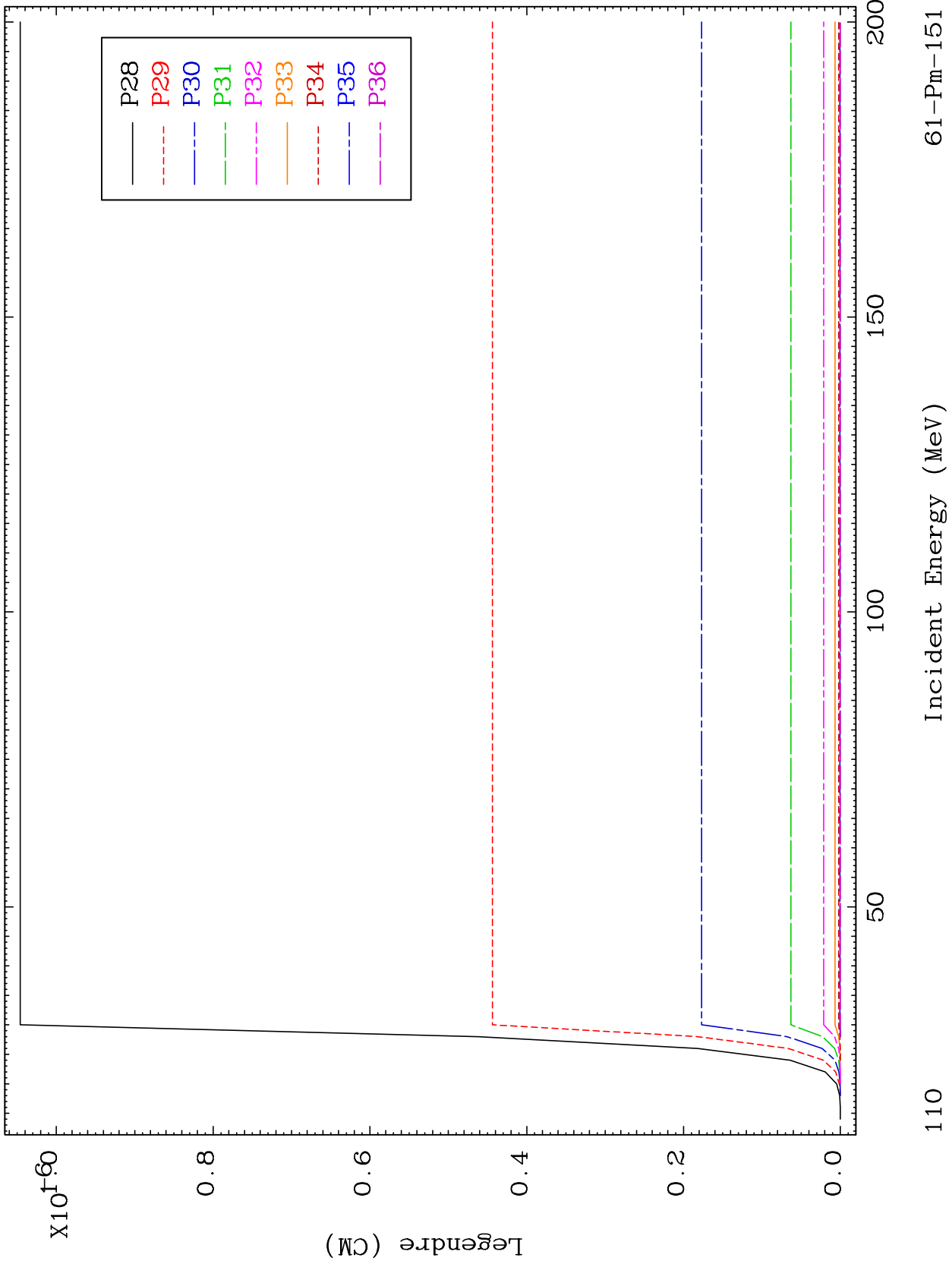
61-Pm-151



MAT 6161

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

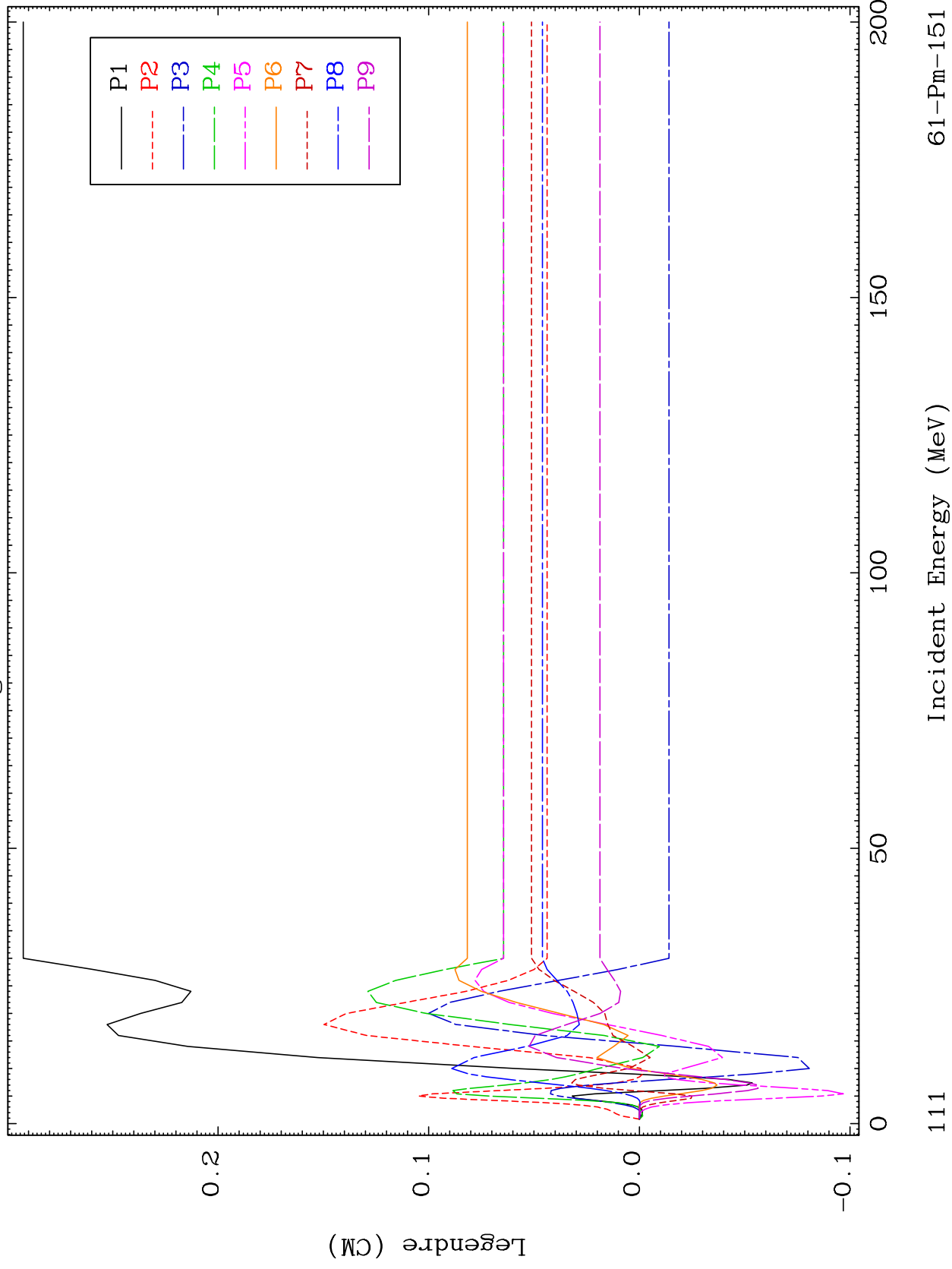
61-Pm-151



MAT 6161

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

61-Pm-151



61-Pm-151

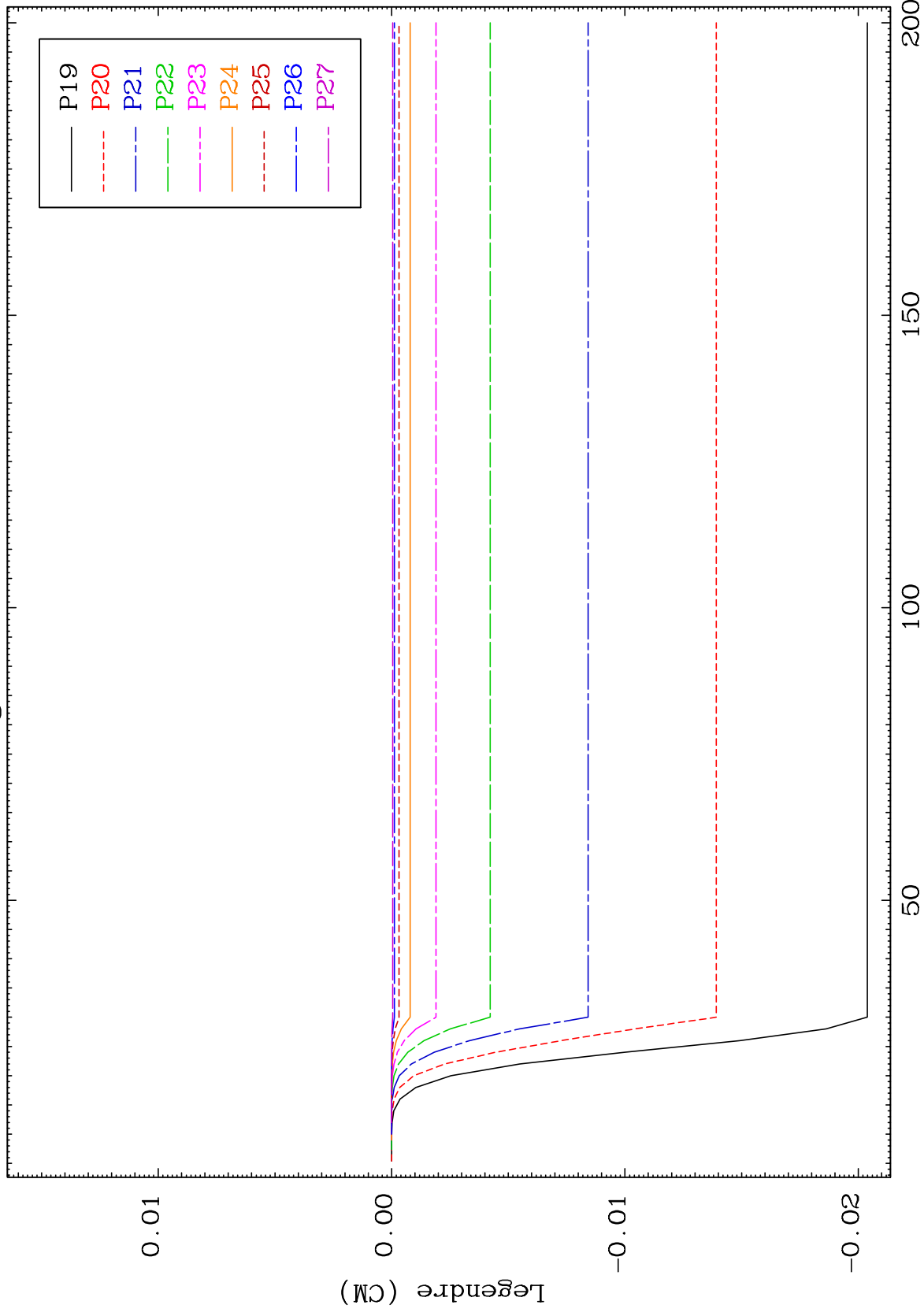
Incident Energy (MeV)

111

MAT 6161

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

61-Pm-151



113

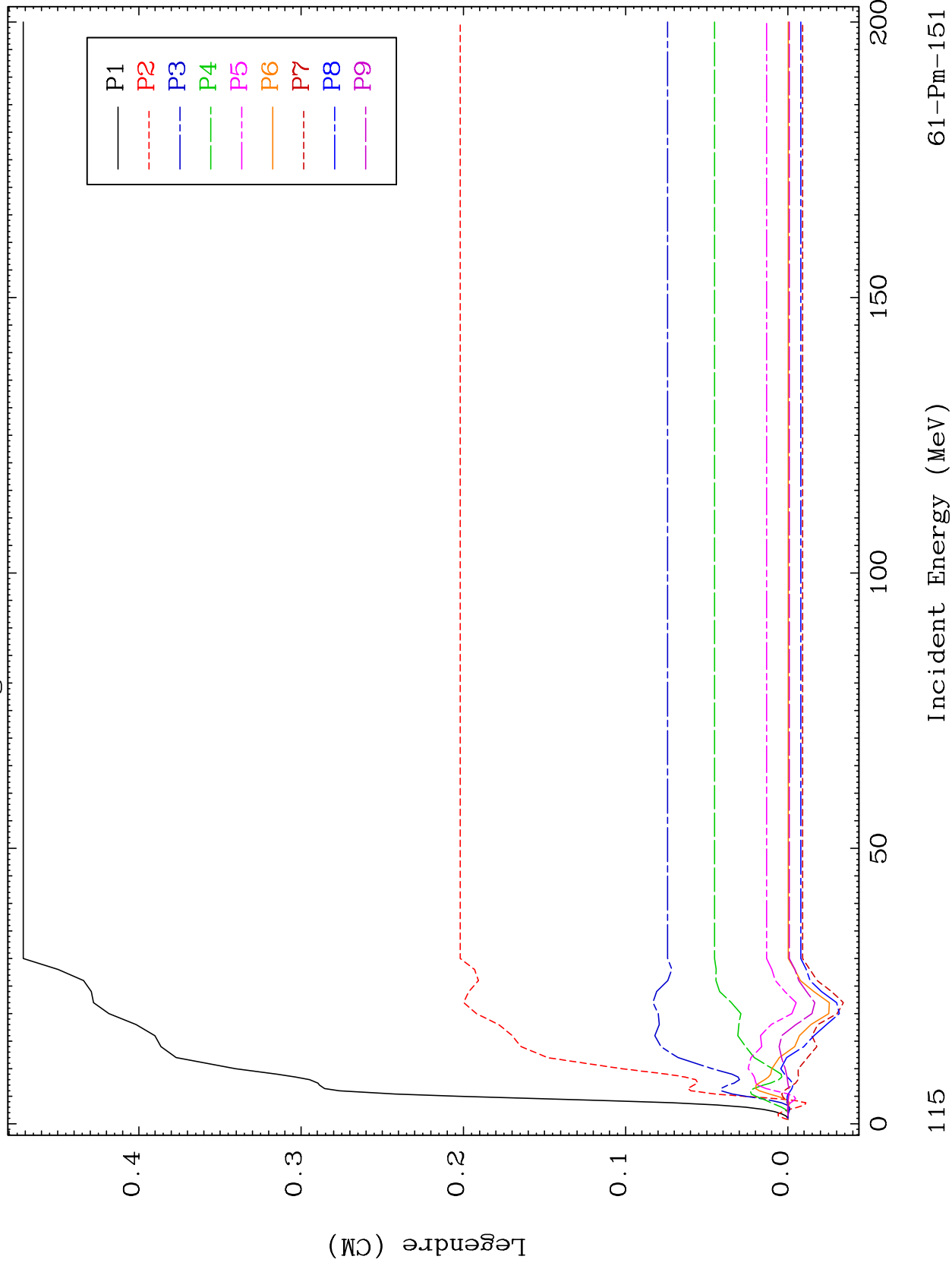
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

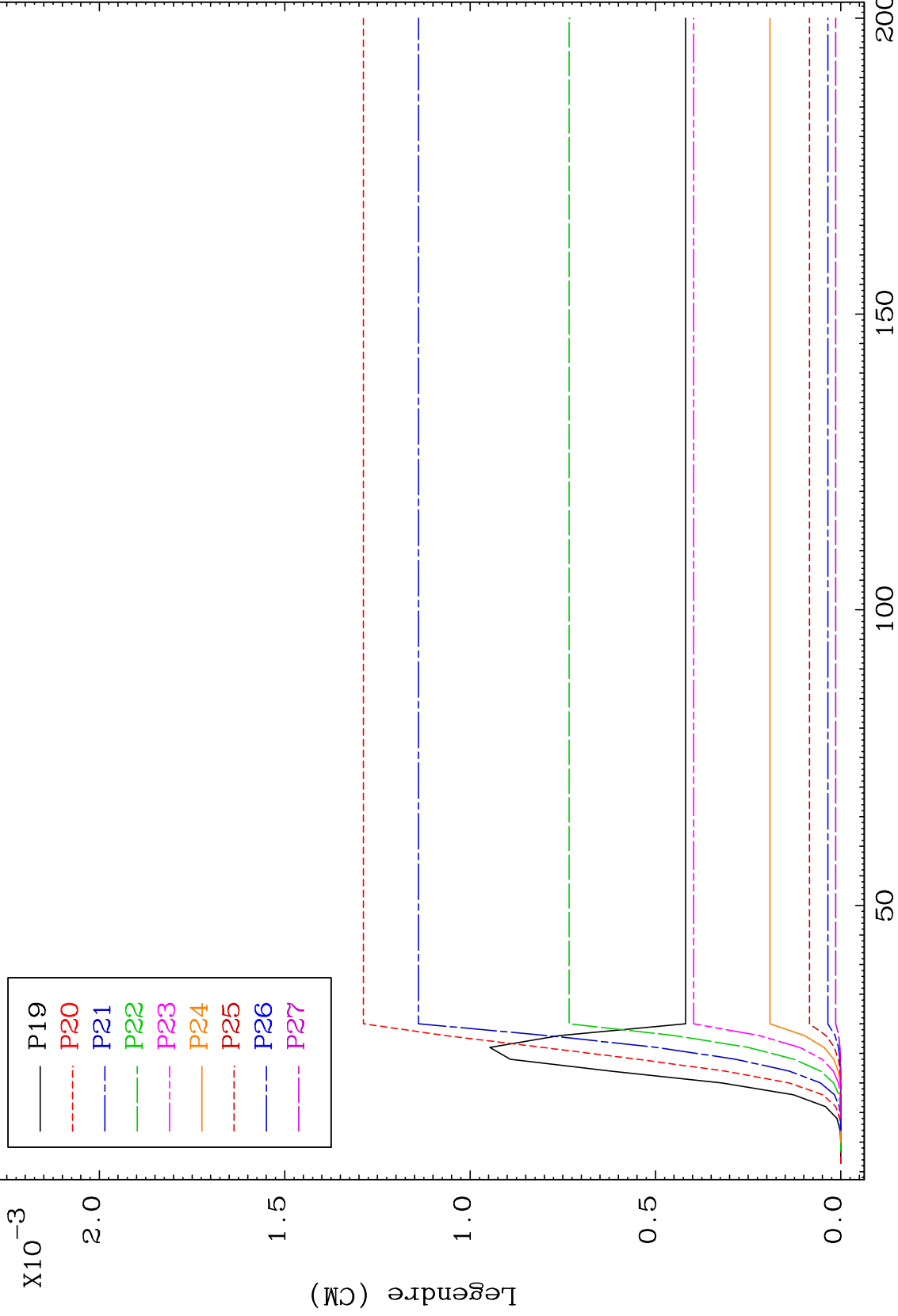
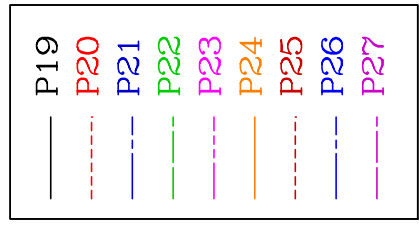
Incident Energy (MeV)

115

MAT 6161

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

61-Pm-151



117

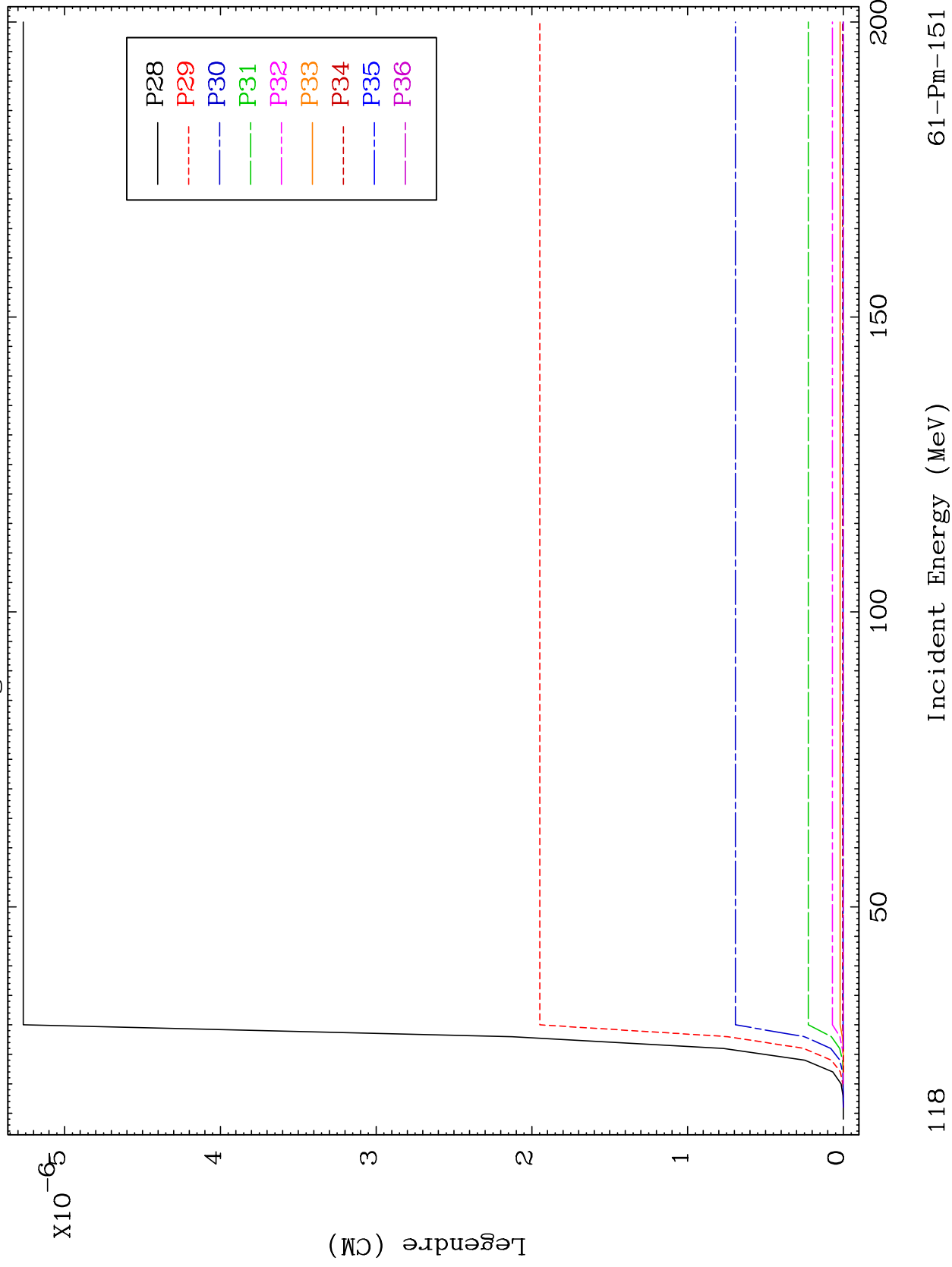
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

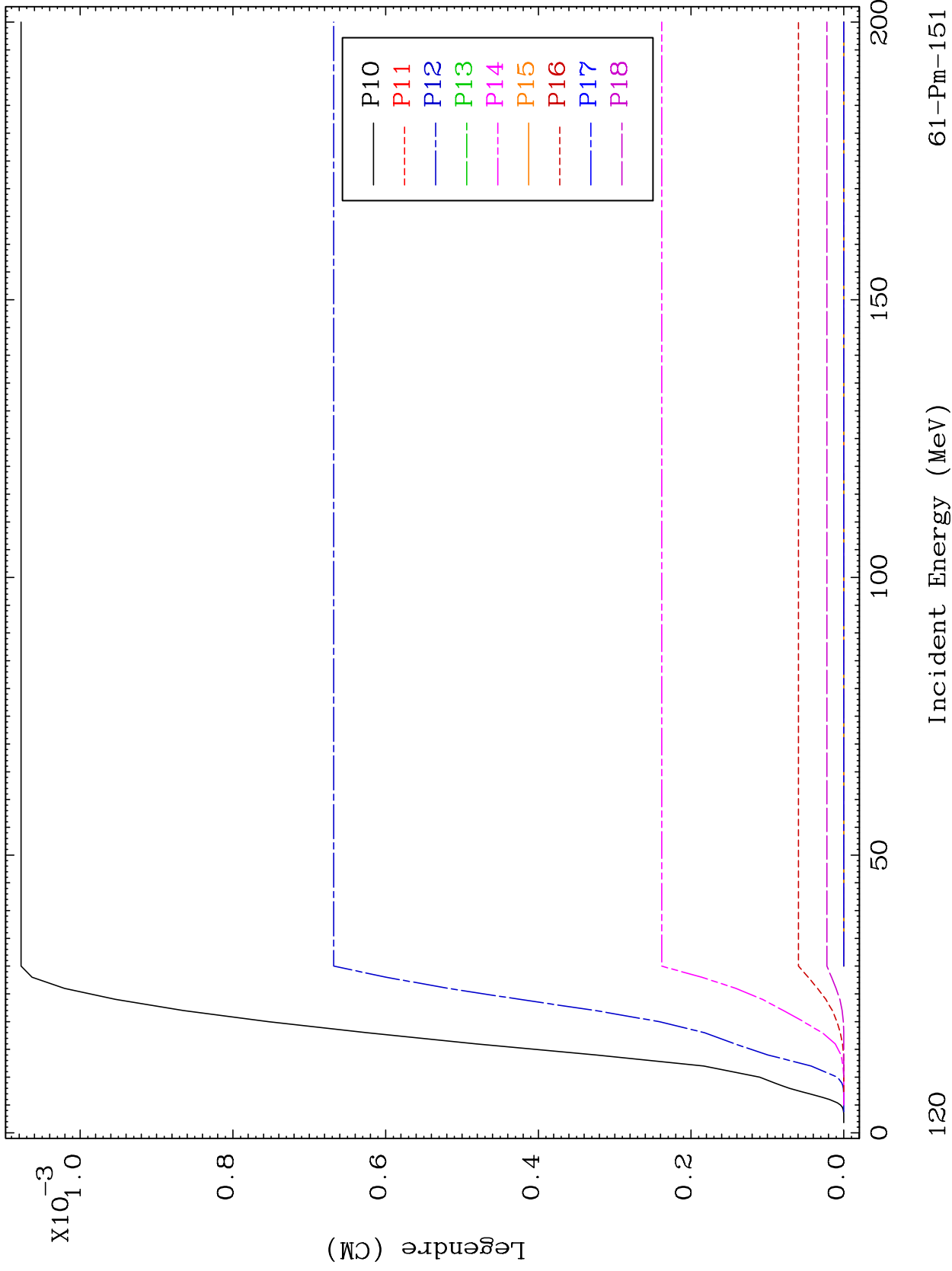
61-Pm-151



MAT 6161

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

61-Pm-151



61-Pm-151

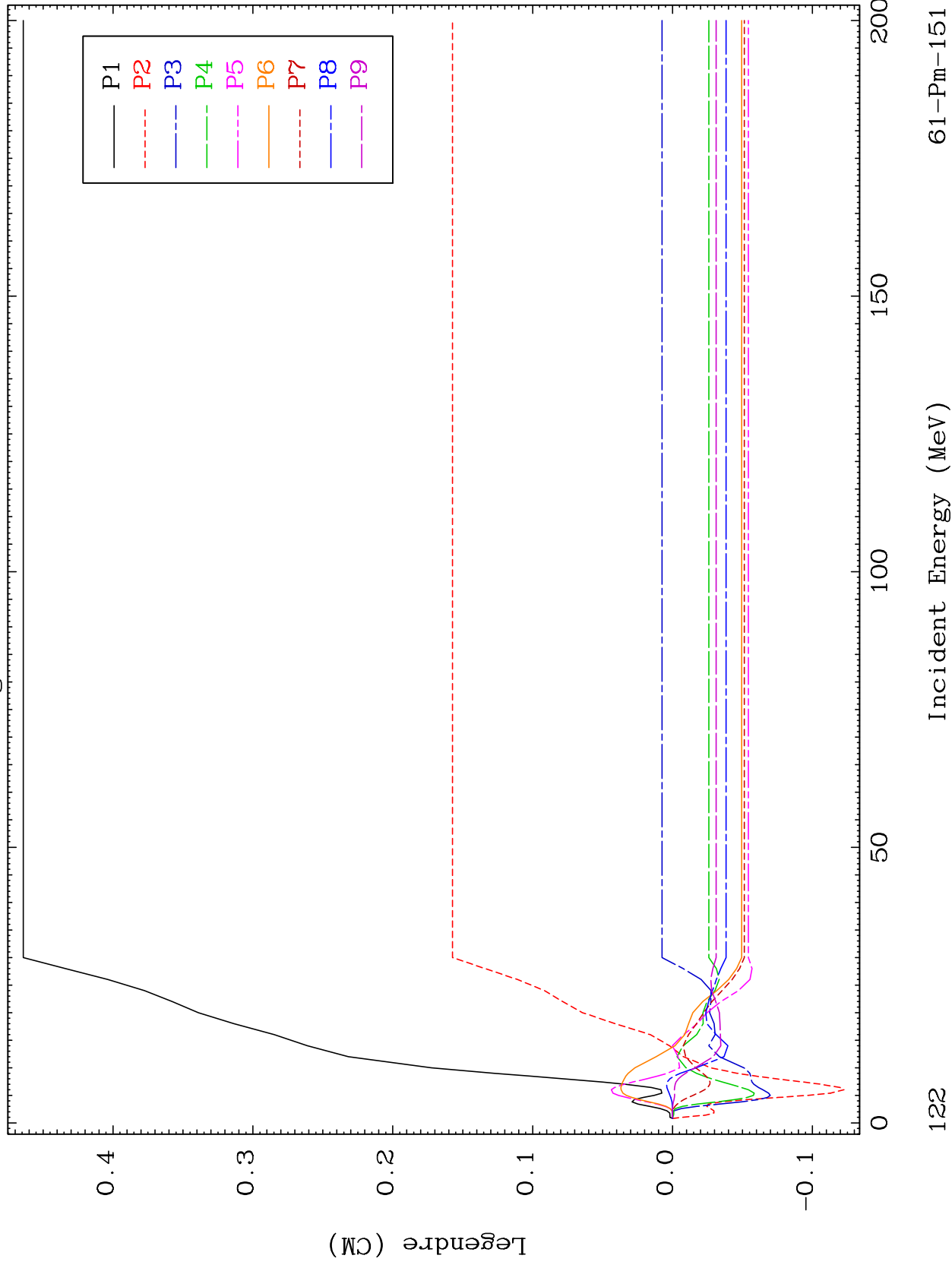
Incident Energy (MeV)

120

MAT 6161

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

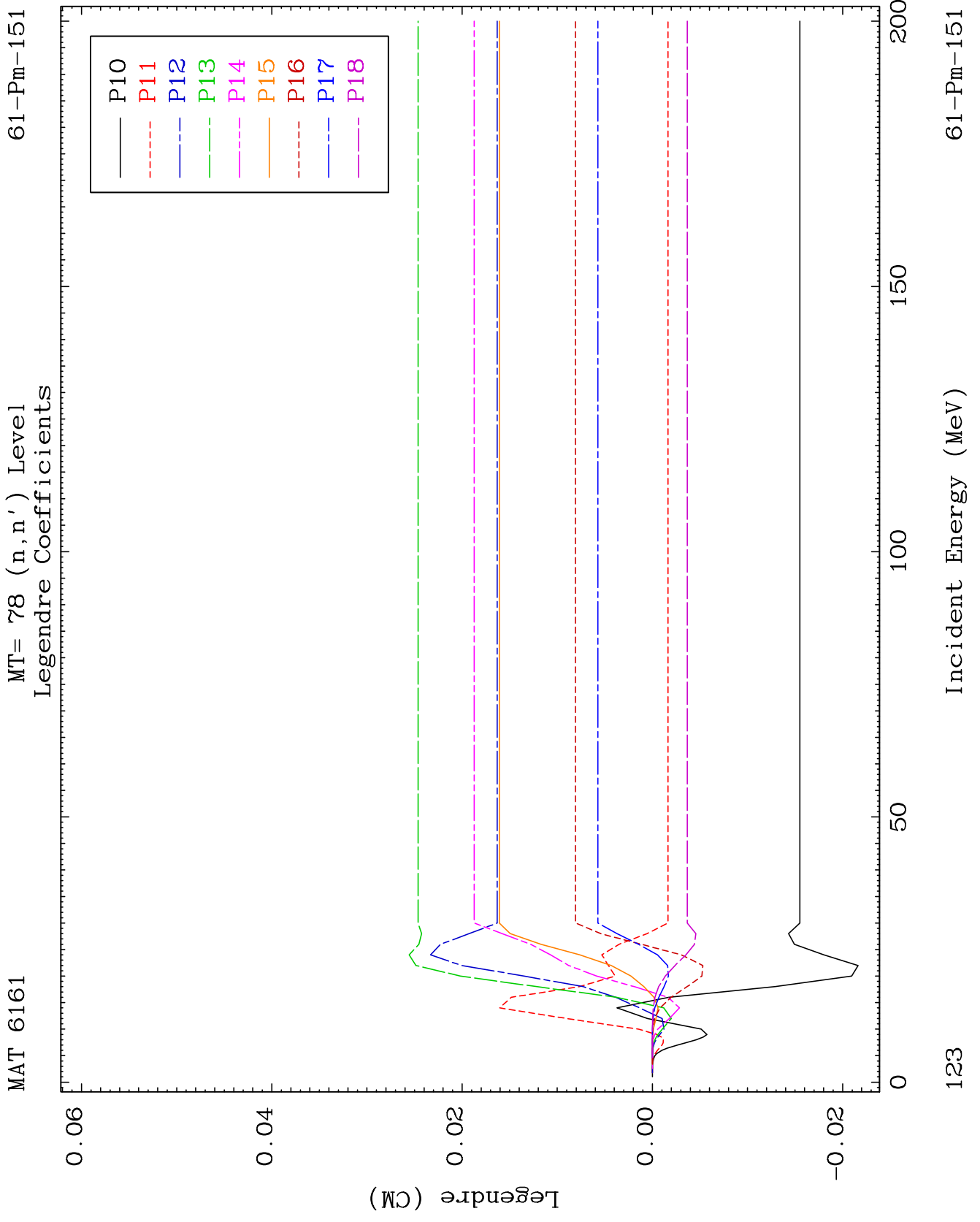
61-Pm-151



61-Pm-151

Incident Energy (MeV)

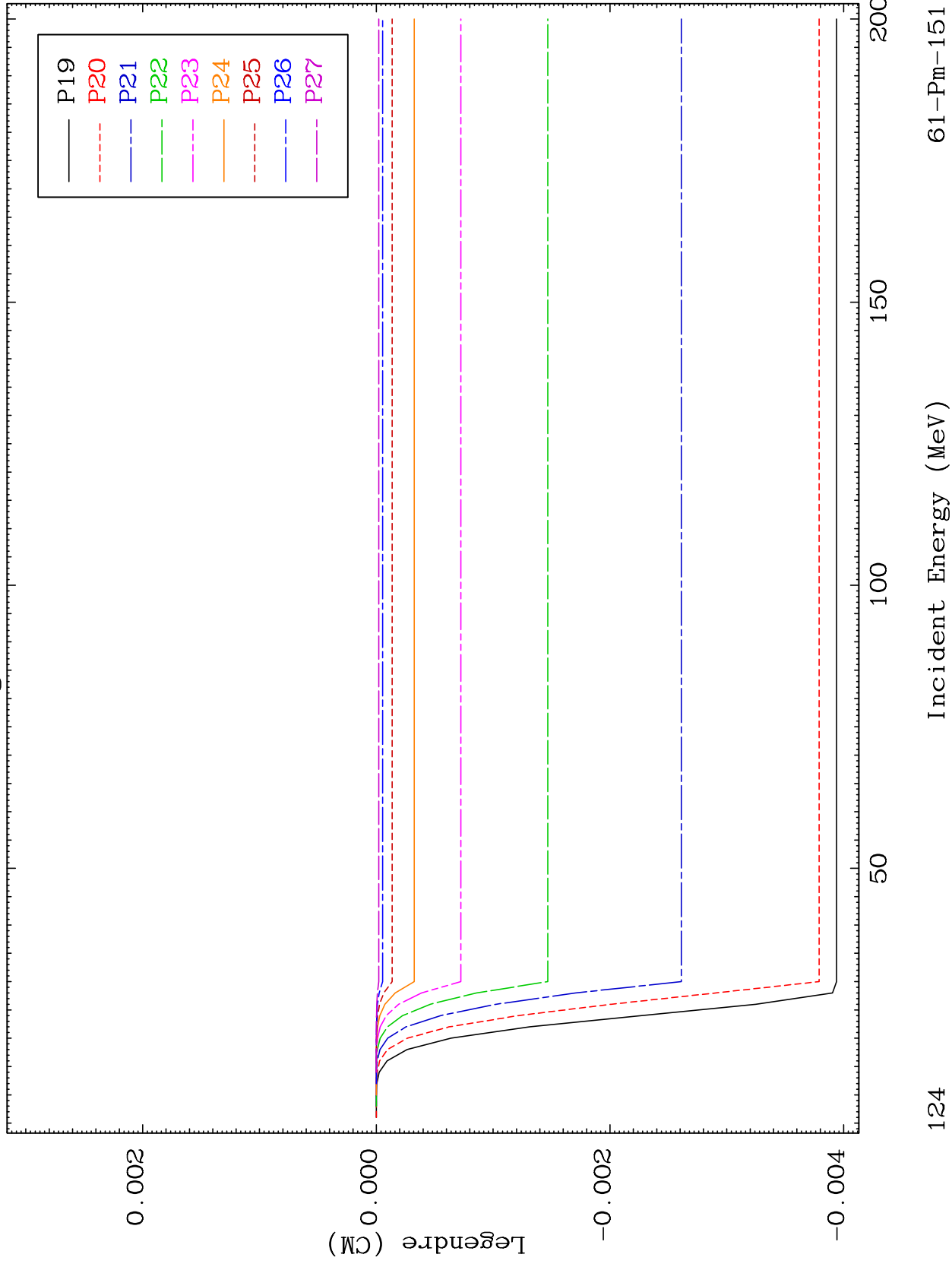
122

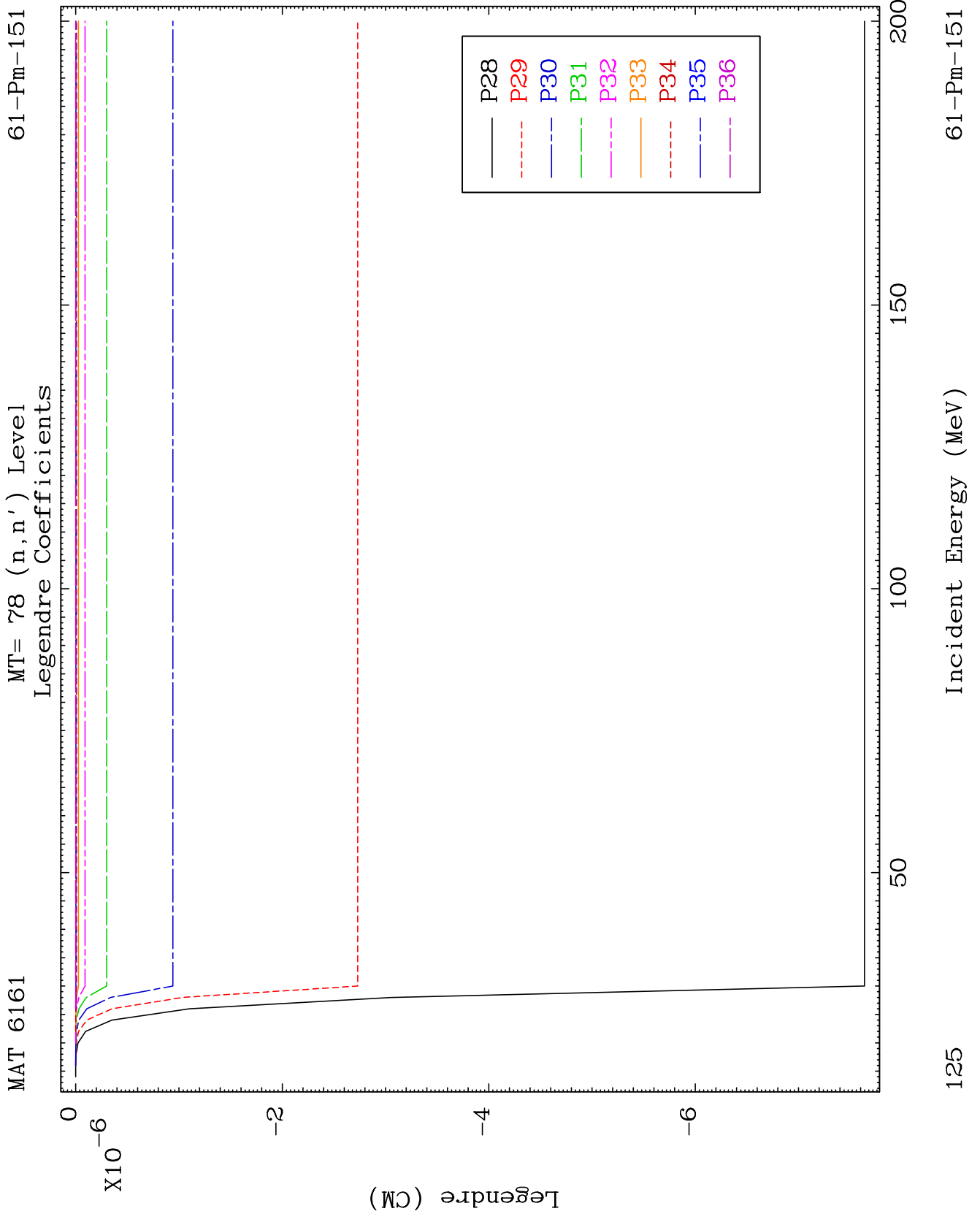


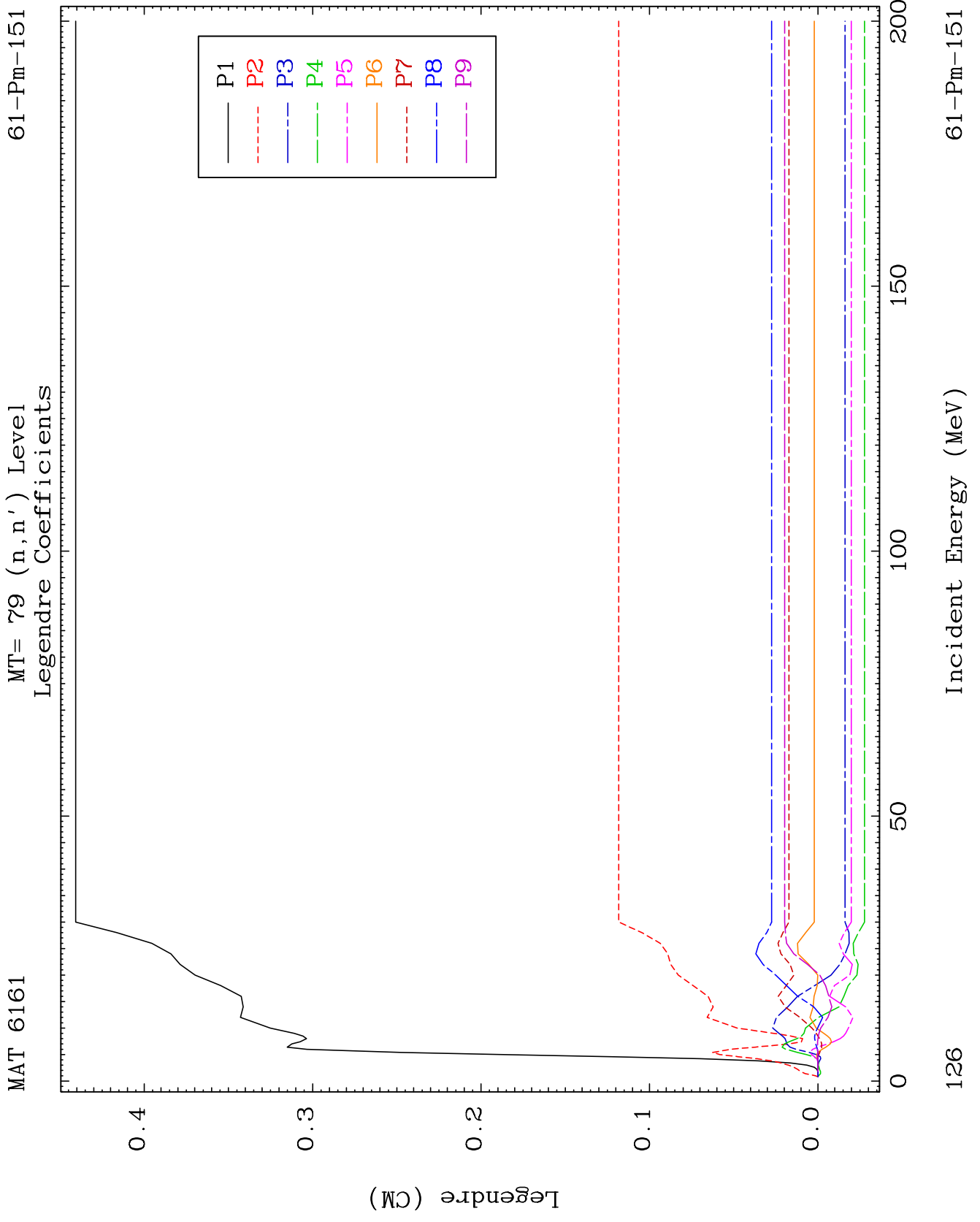
MAT 6161

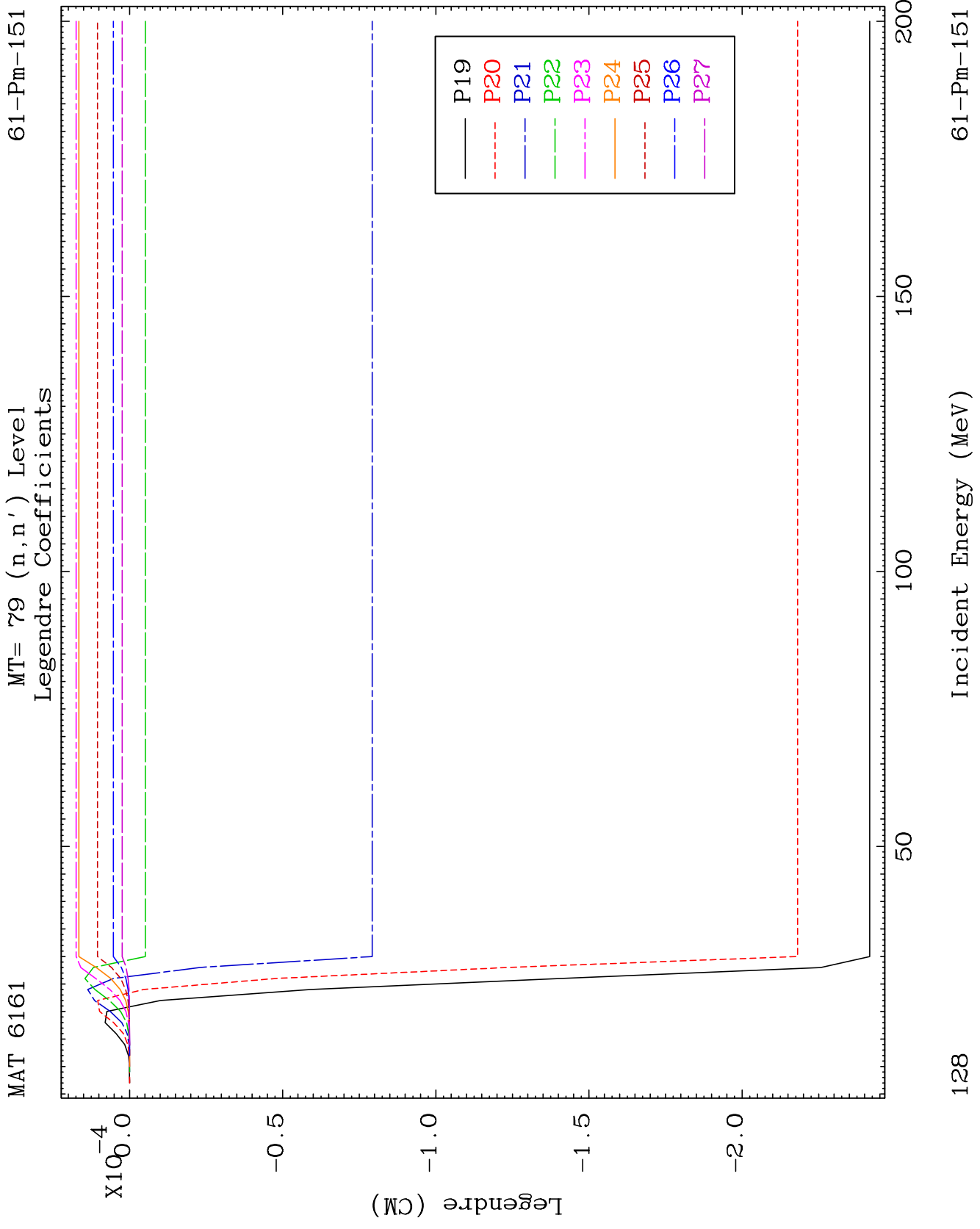
MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-151





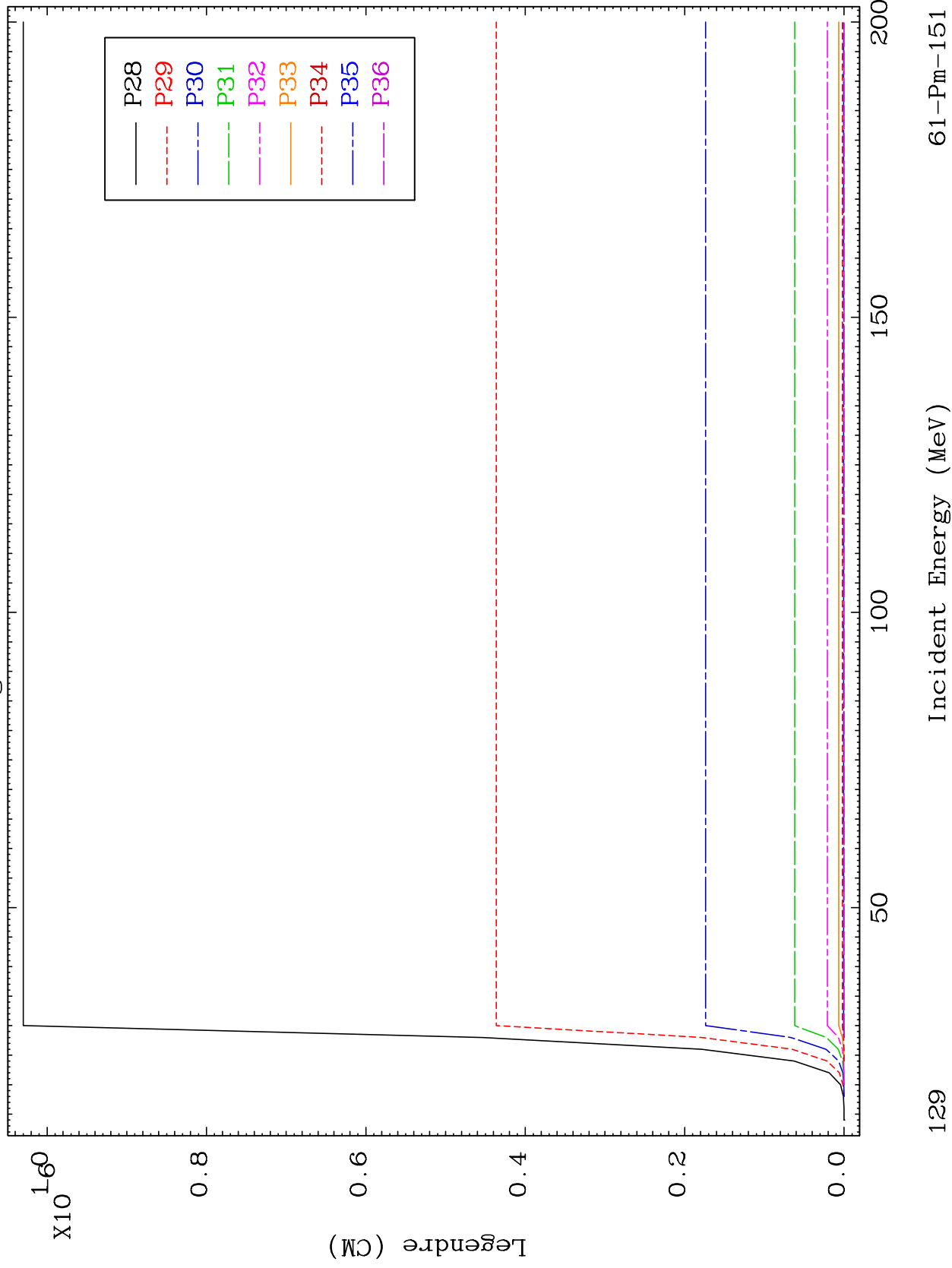




MAT 6161

MT= 79 (n,n') Level
Legendre Coefficients

61-Pm-151



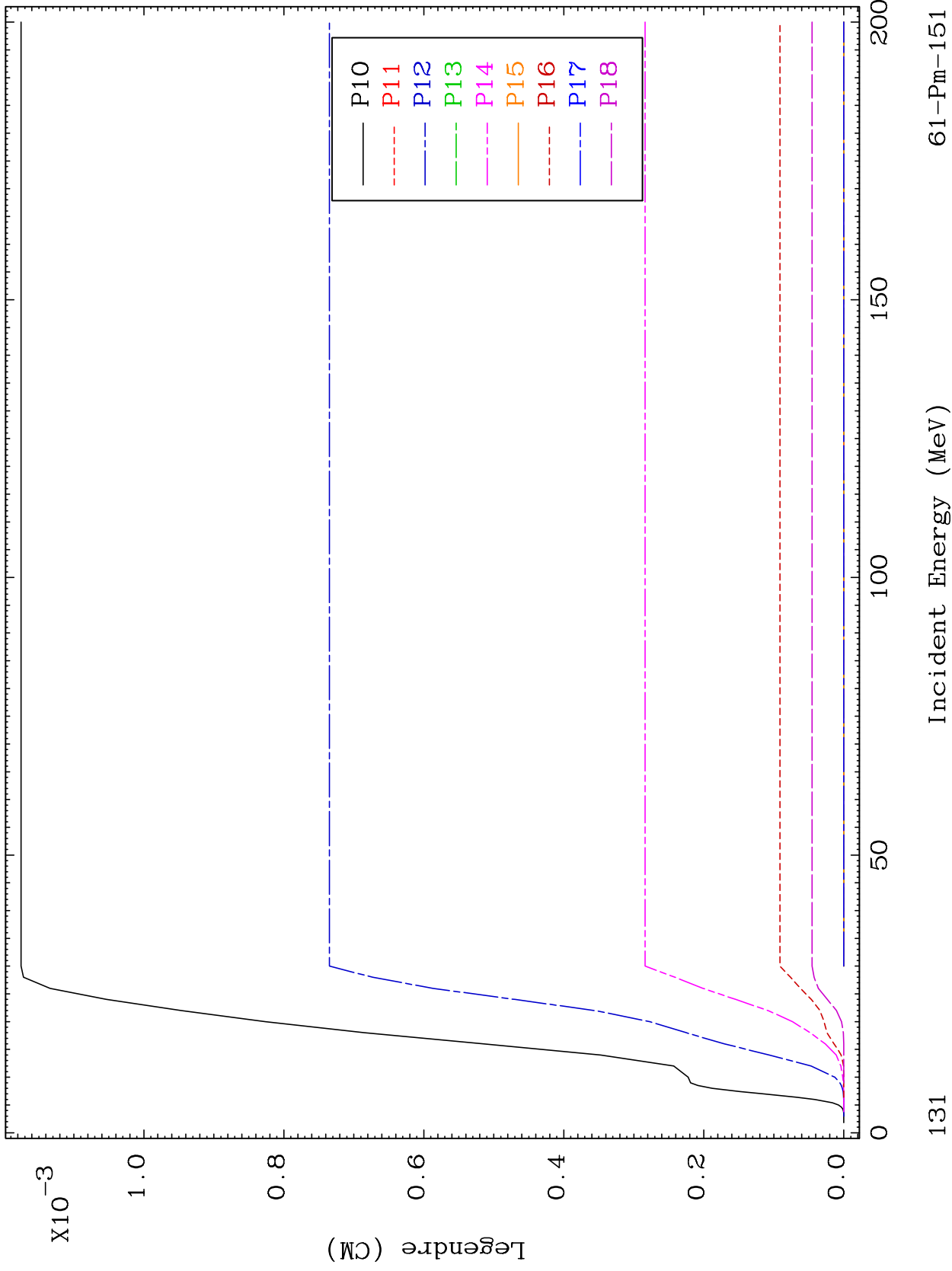
129

61-Pm-151

MAT 6161

MT= 80 (n,n') Level
Legendre Coefficients

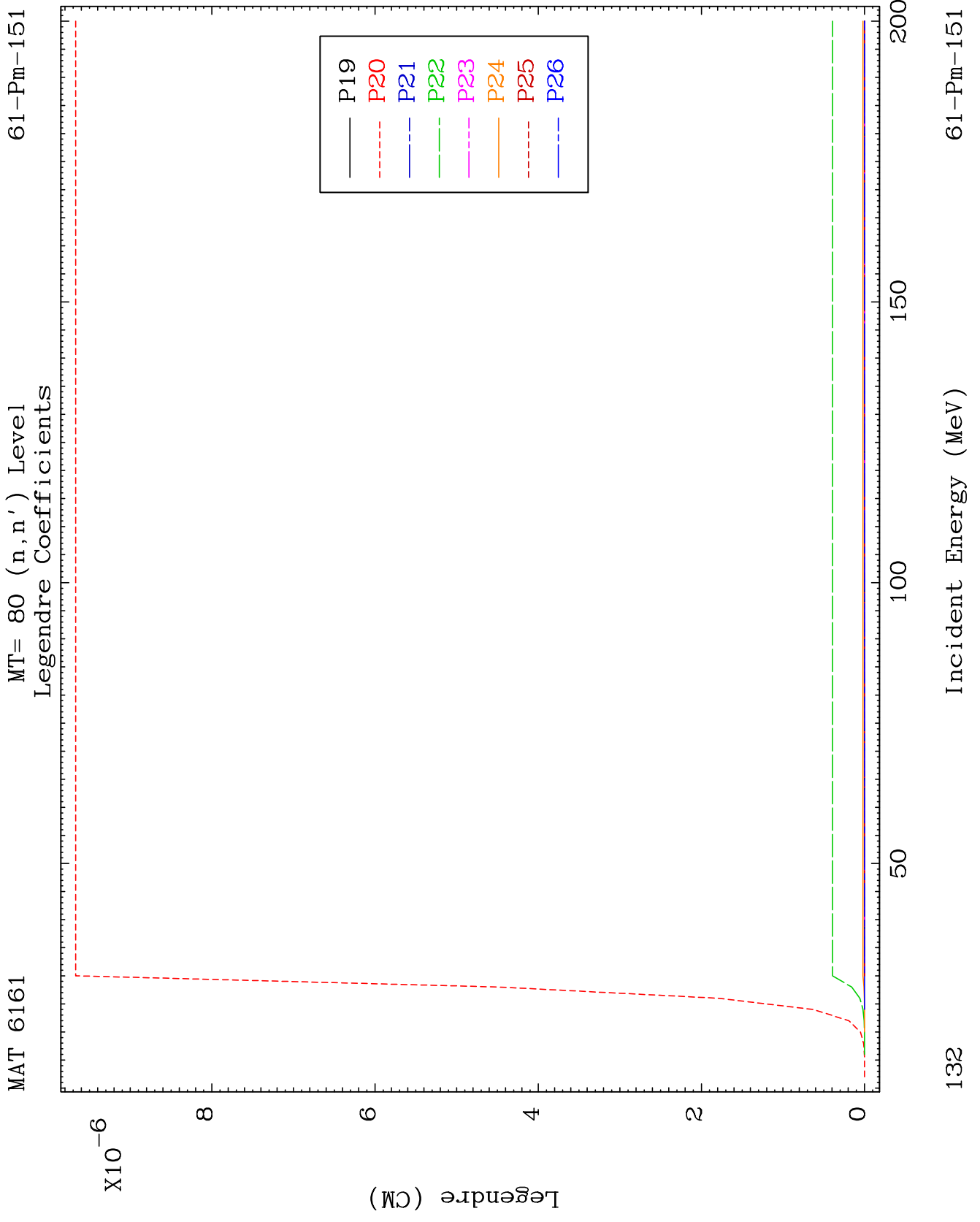
61-Pm-151



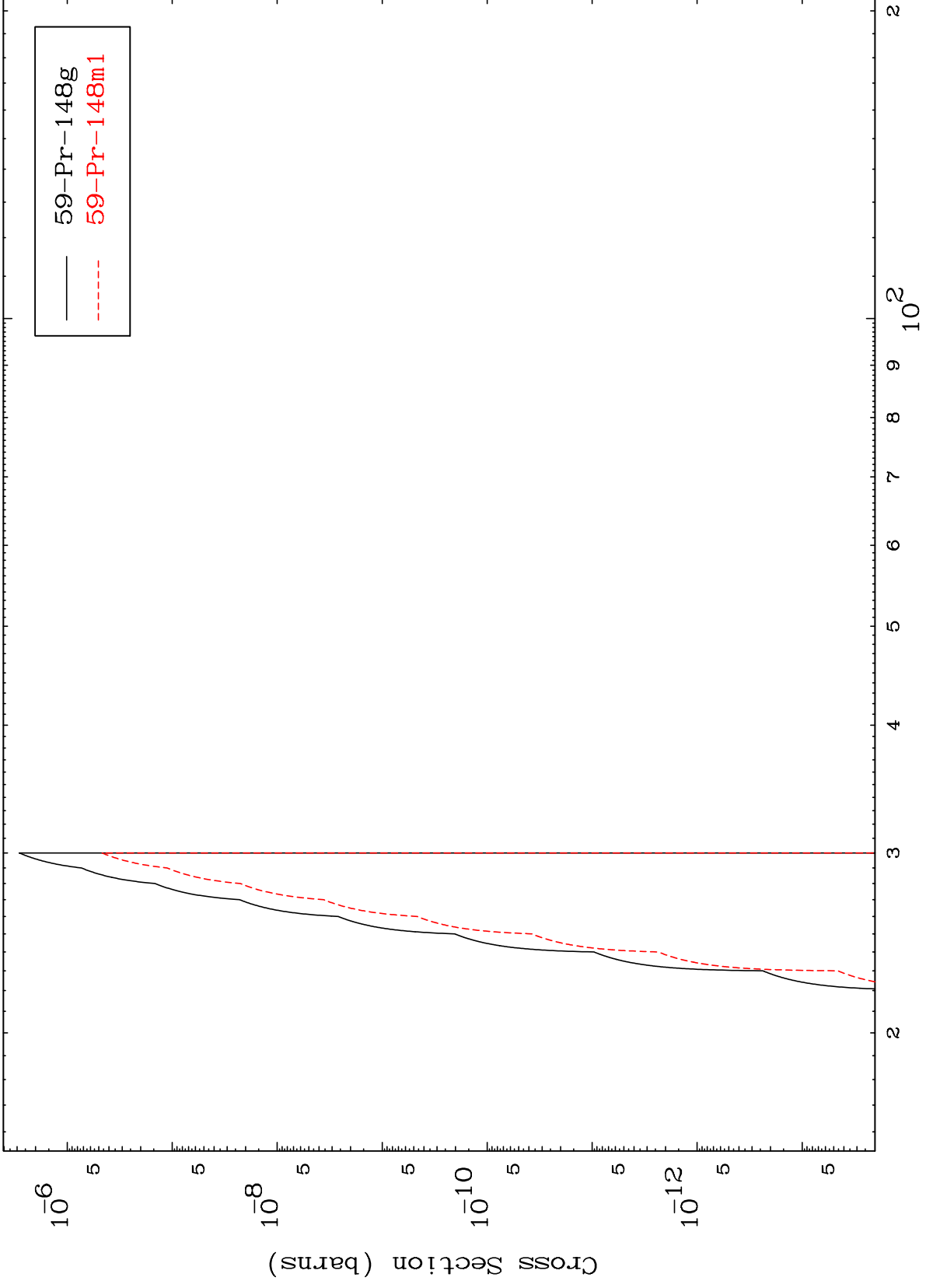
131

Incident Energy (MeV)

61-Pm-151



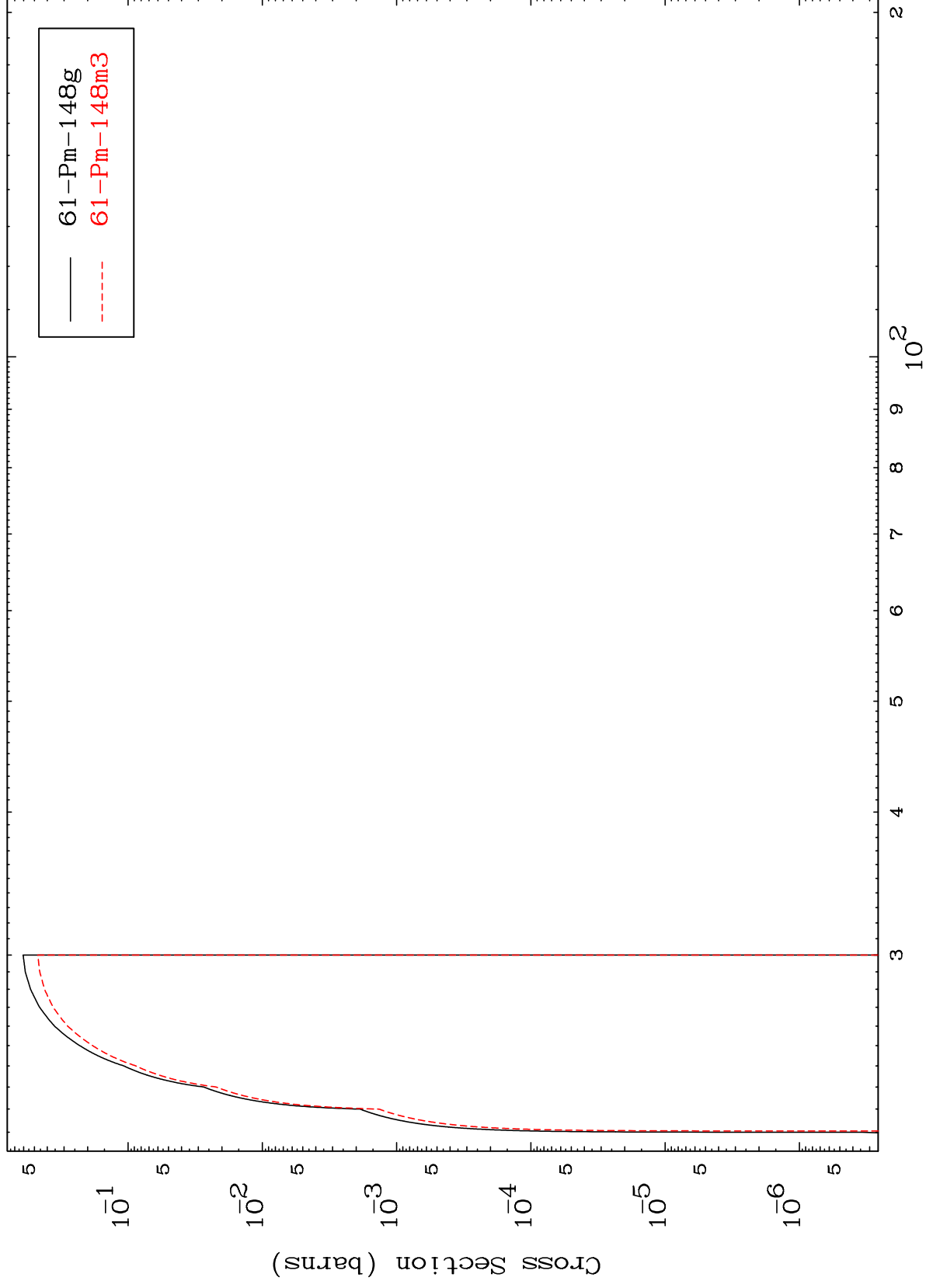
Radionuclide Production Cross Section



MAT 6161

61-Pm-151

(n,4n)
Radionuclide Production Cross Section



134

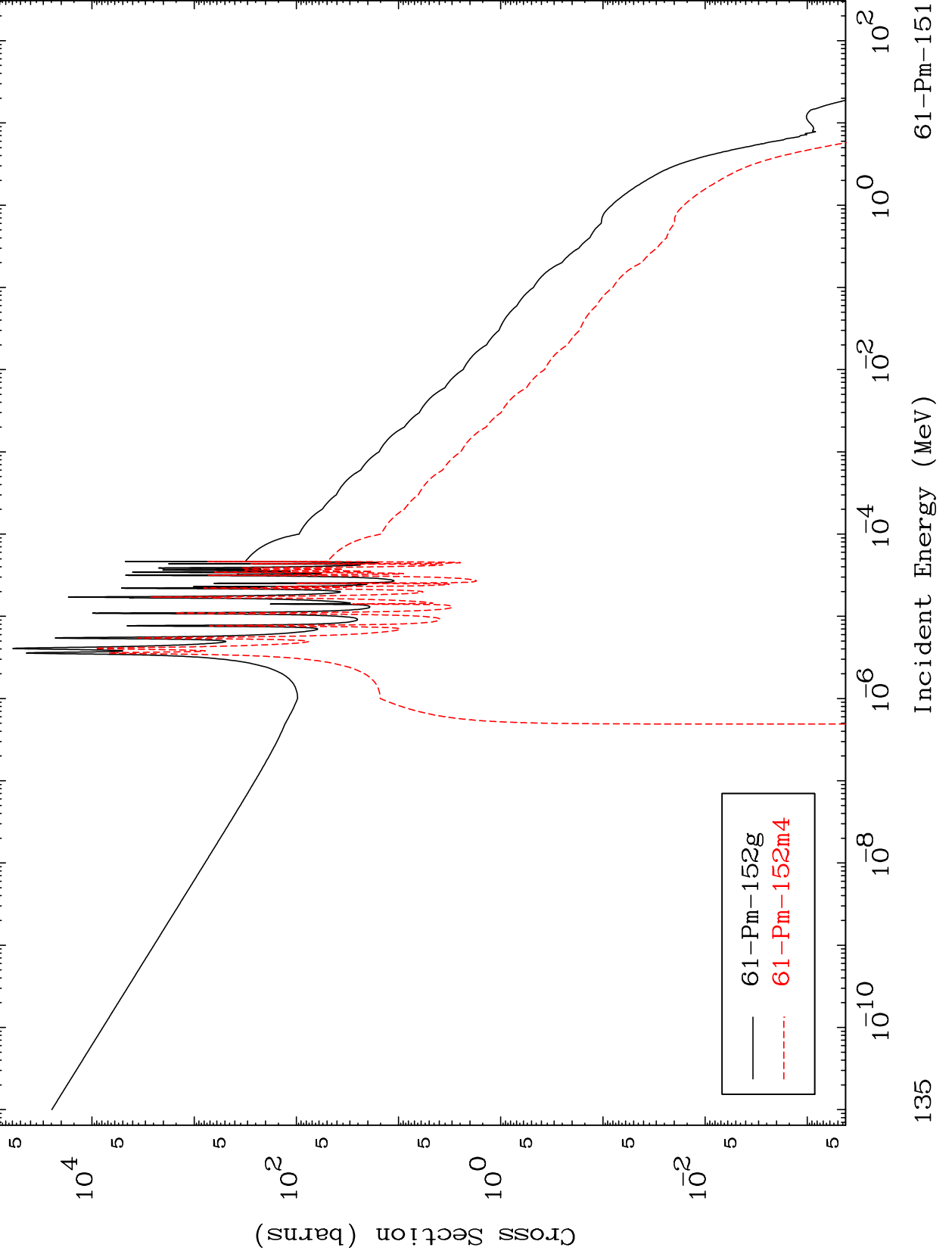
Incident Energy (MeV)

61-Pm-151

MAT 6161

61-Pm-151

(n, γ)
Radionuclide Production Cross Section

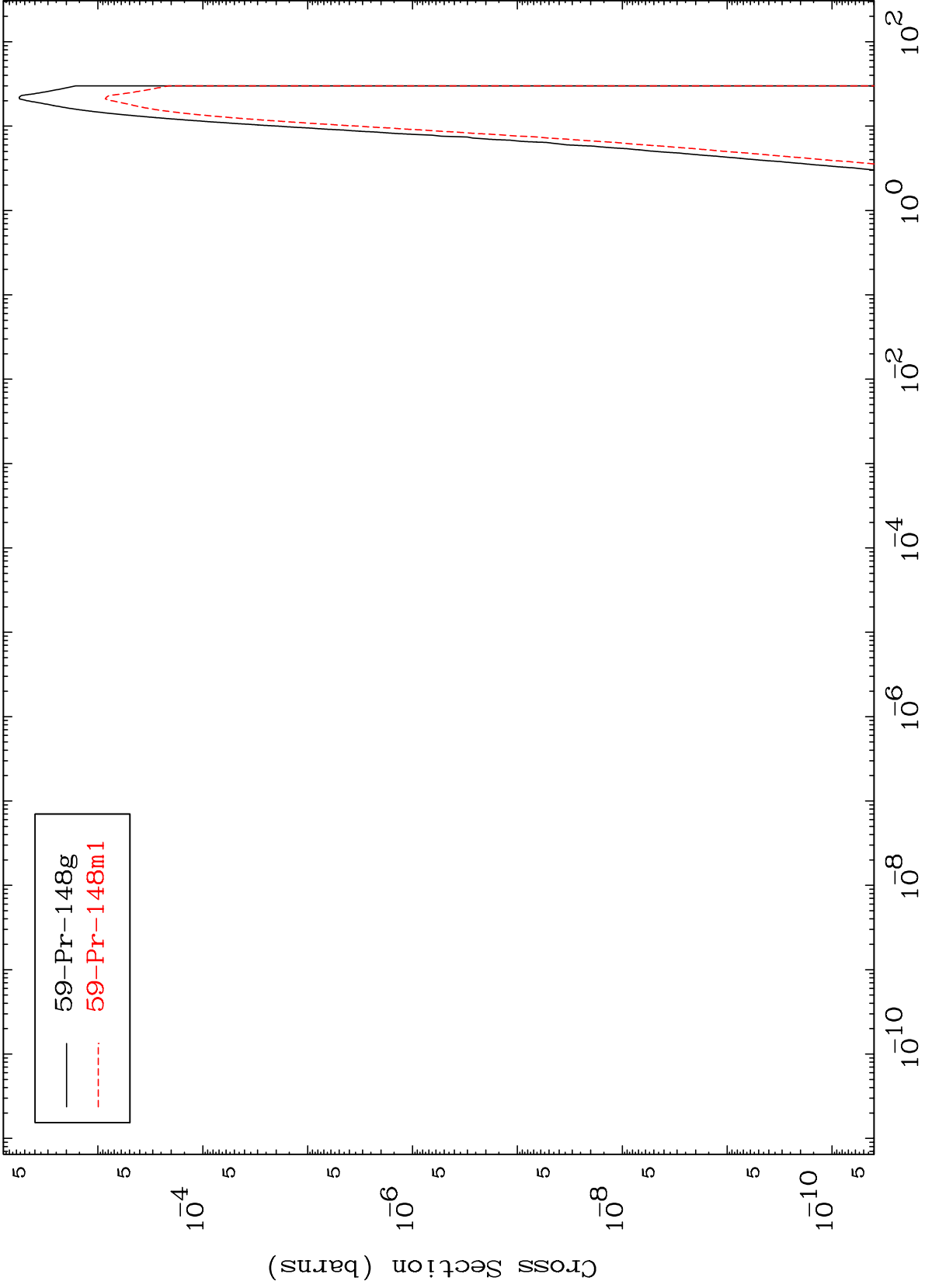


MAT 6161

(n, α)

61-Pm-151

Radionuclide Production Cross Section



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