

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

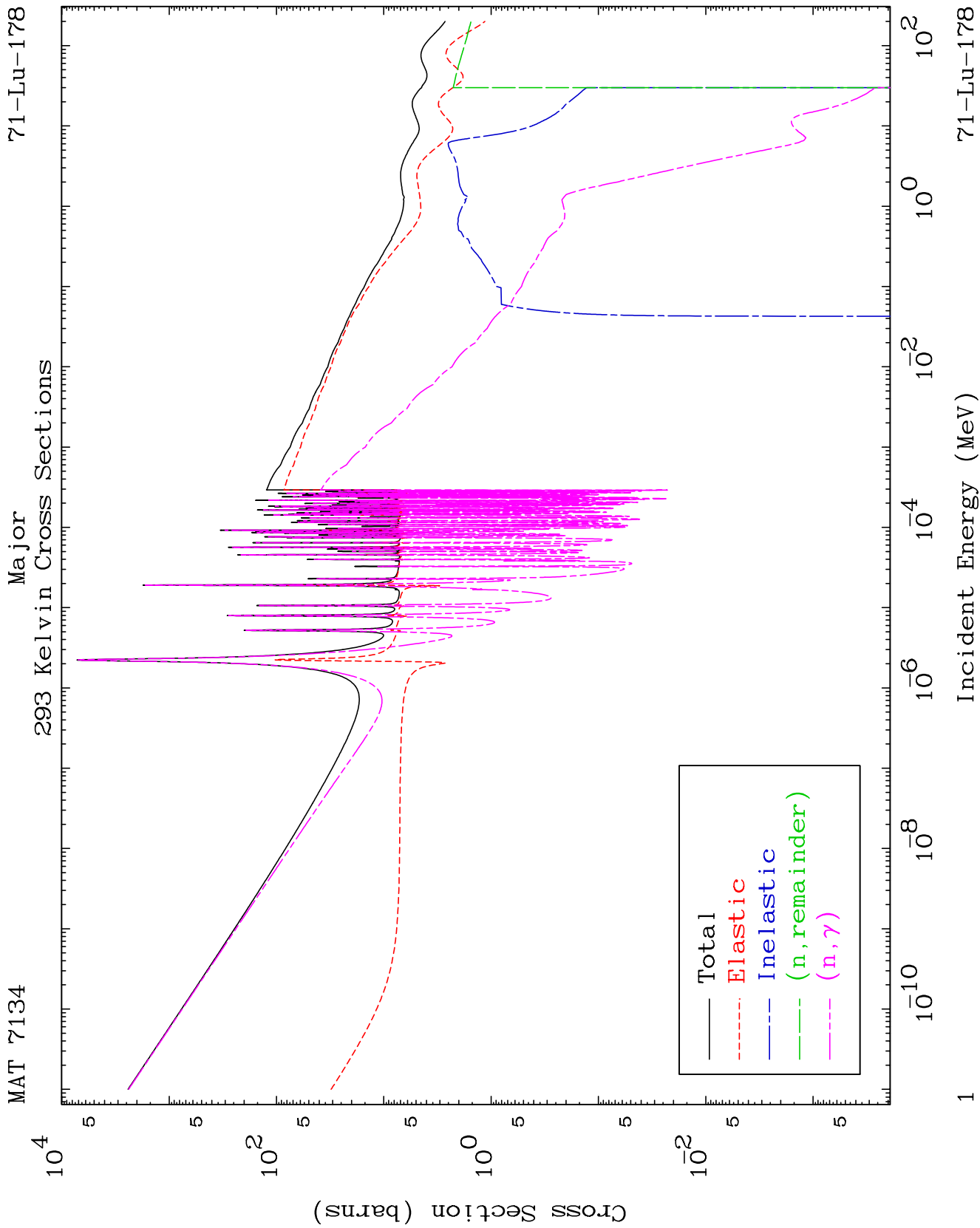
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

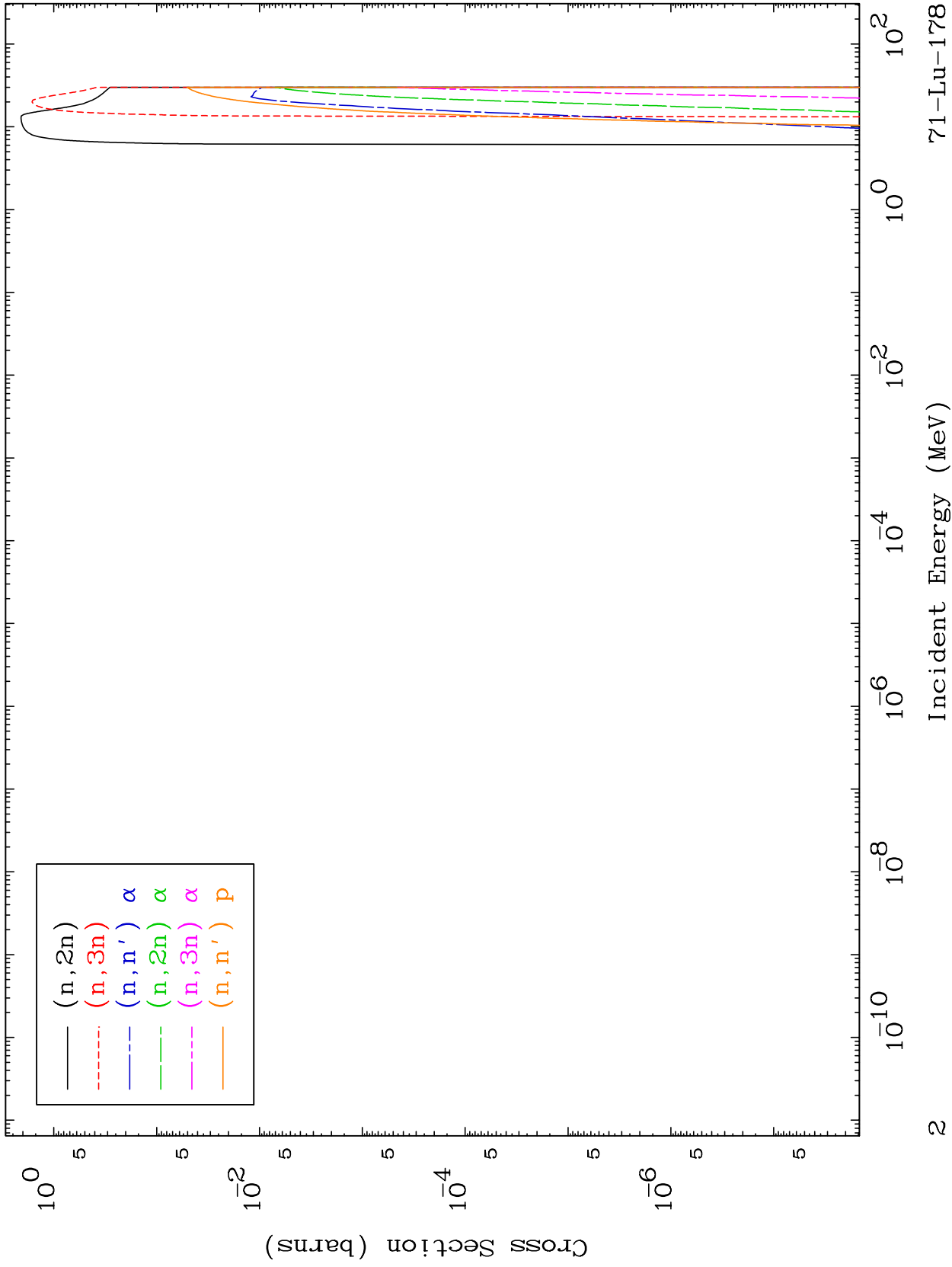
Press Mouse Button to Start



MAT 7134

Neutron Production
293 Kelvin Cross Sections

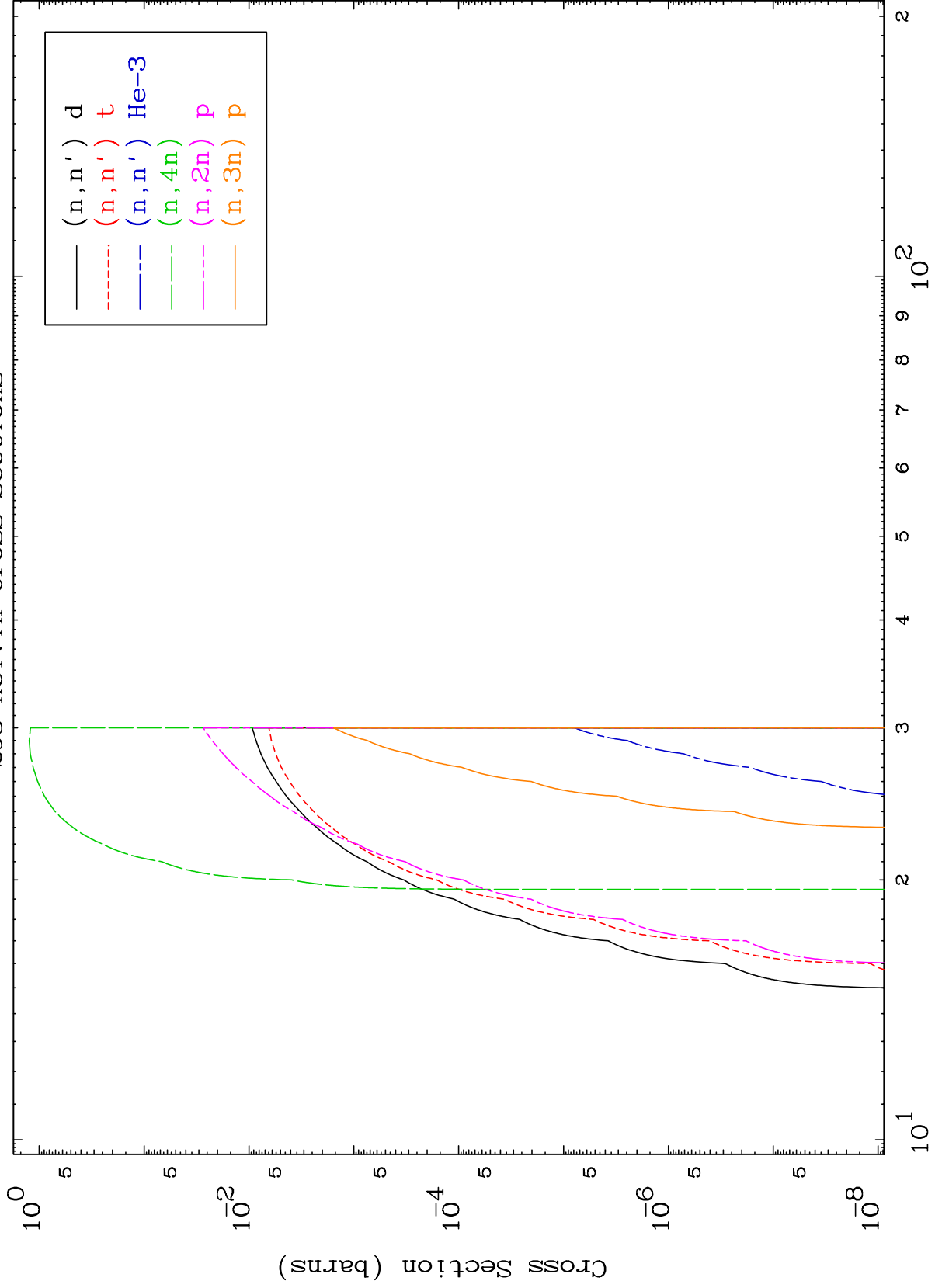
71-Lu-178



MAT 7134

Neutron Production
293 Kelvin Cross Sections

71-Lu-178



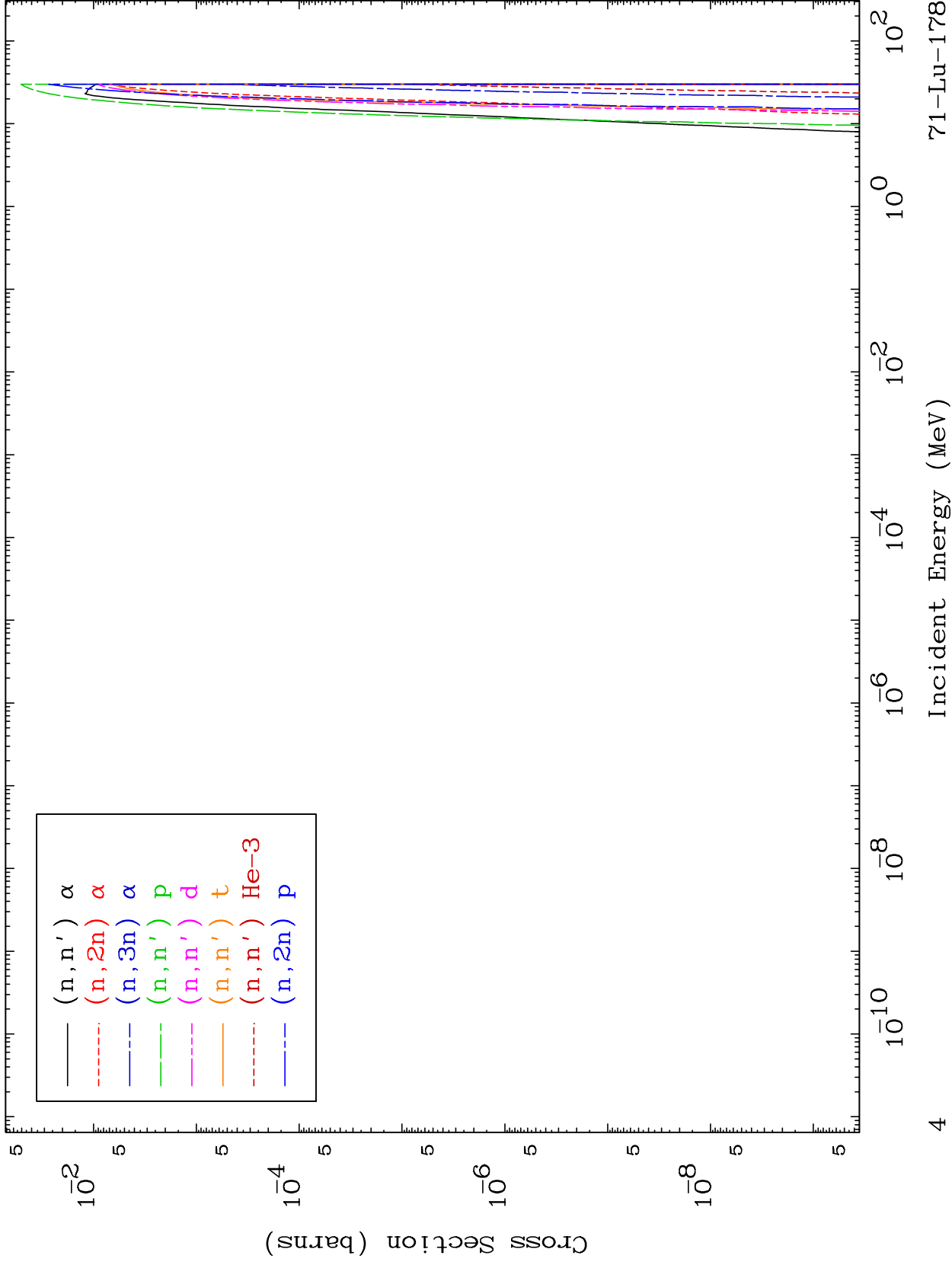
Incident Energy (MeV)

71-Lu-178

MAT 7134

Charged Particle
293 Kelvin Cross Sections

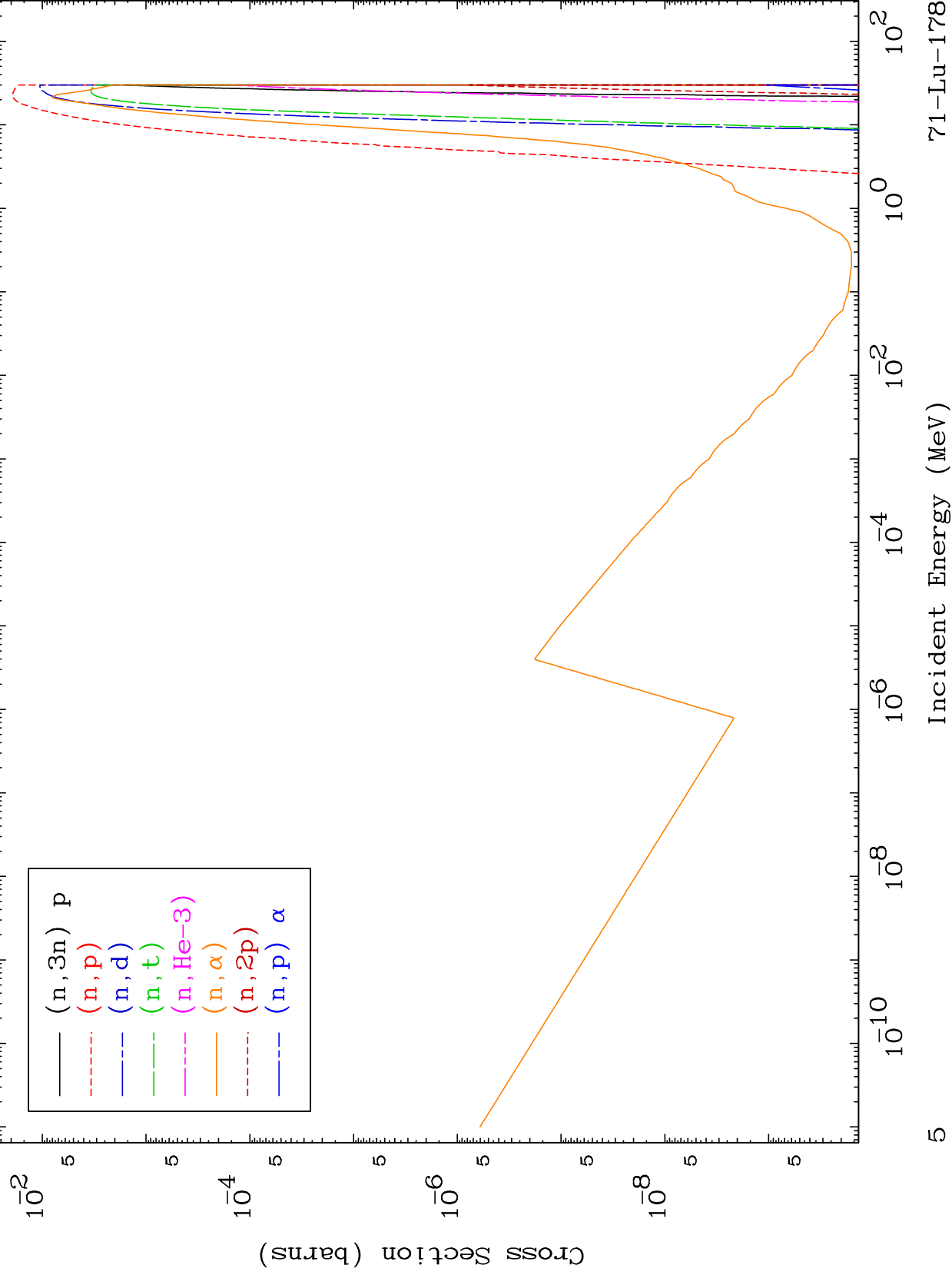
71-Lu-178

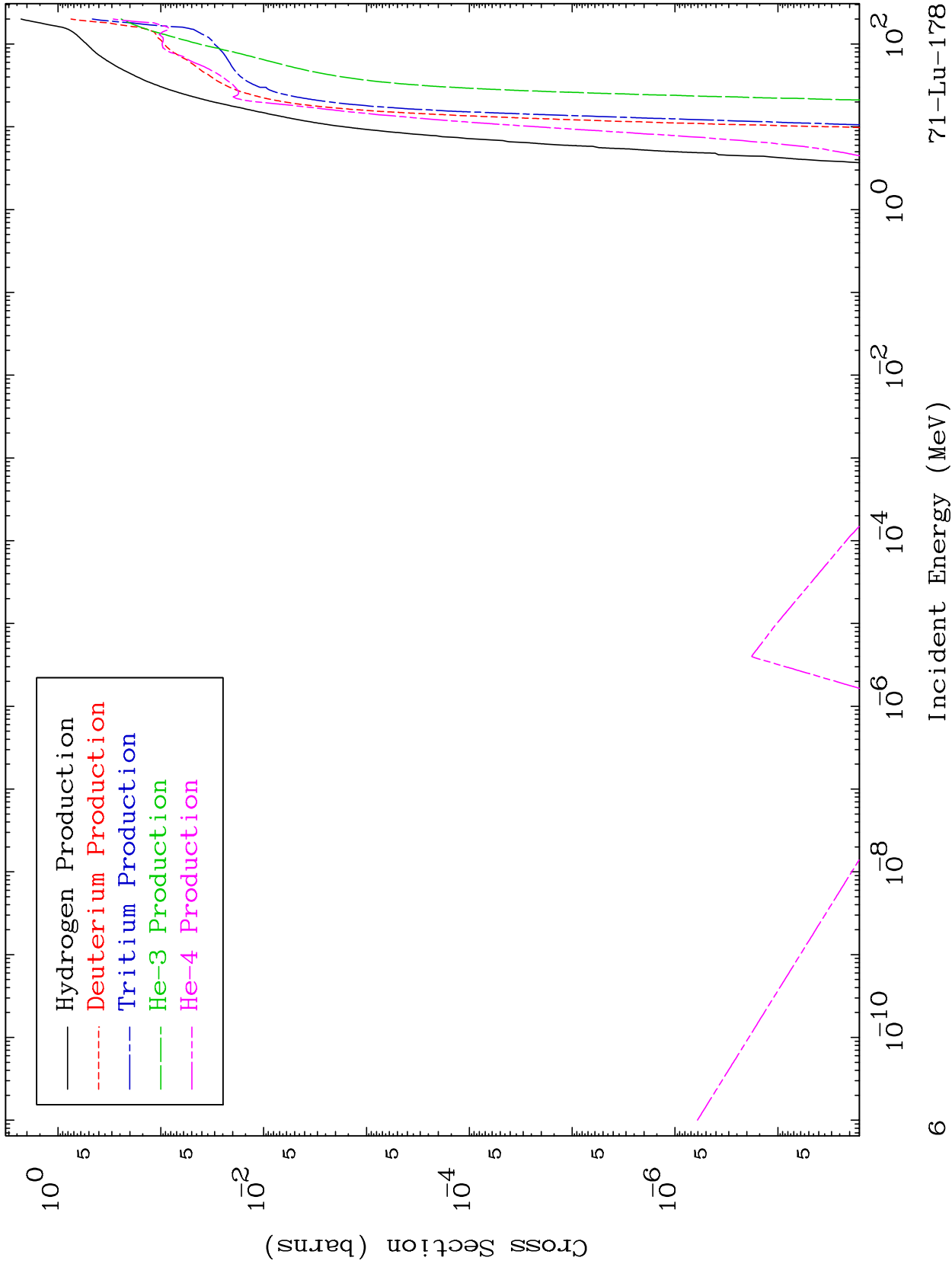


MAT 7134

Charged Particle
293 Kelvin Cross Sections

71-Lu-178



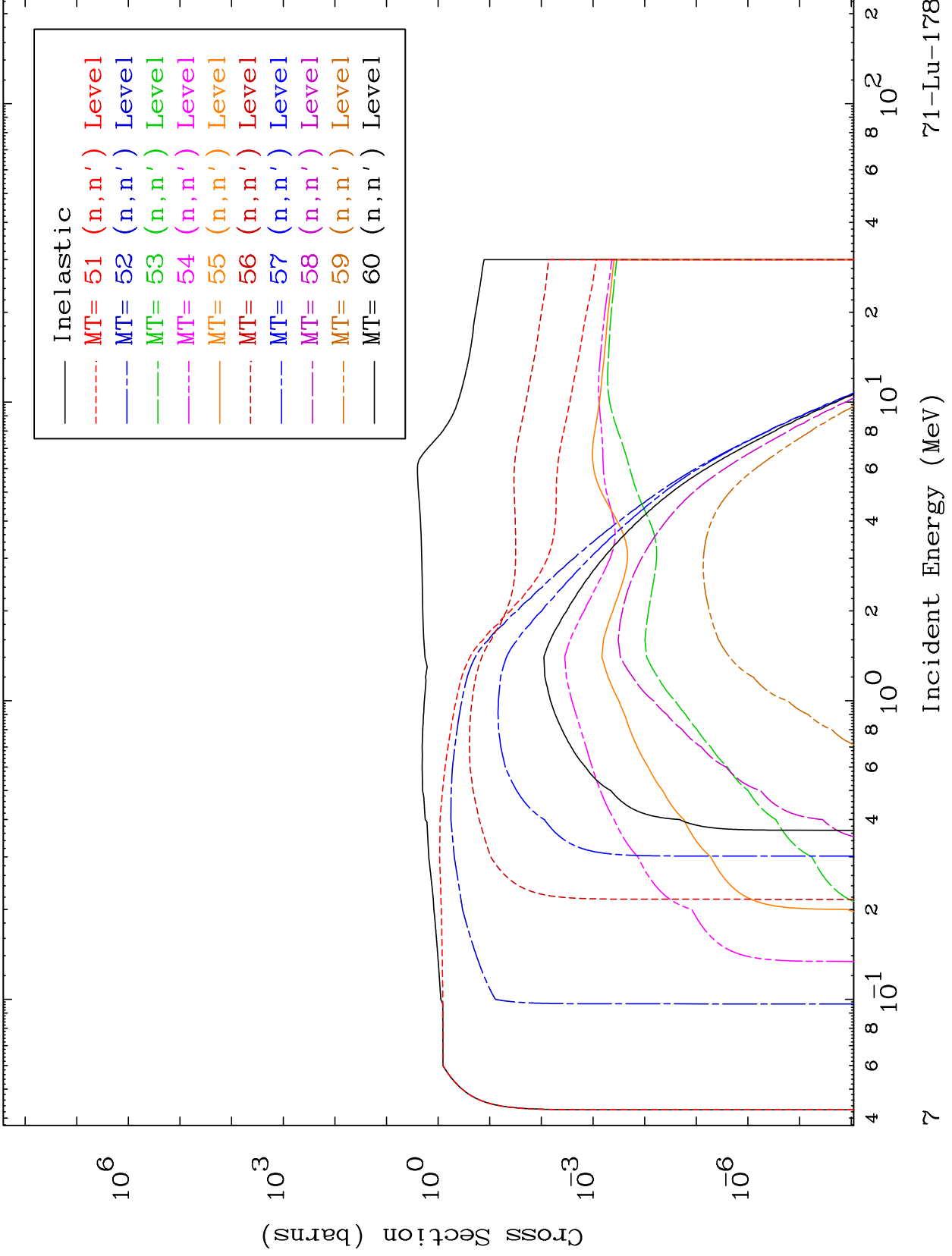


MAT 7134

(n,n') Level

71-Lu-178

293 Kelvin Cross Sections

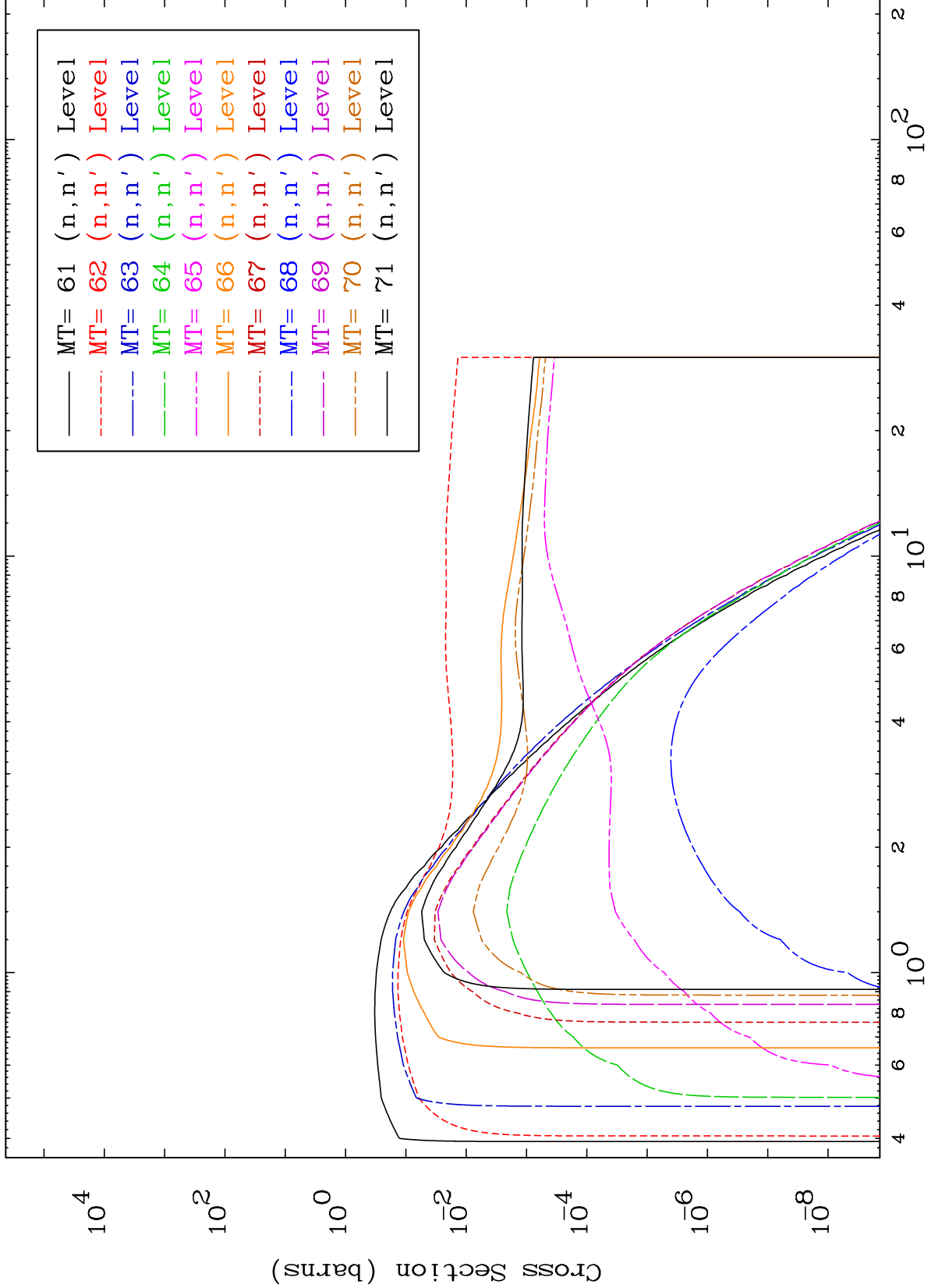


MAT 7134

(n,n') Level

293 Kelvin Cross Sections

71-Lu-178



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Incident Energy (MeV)

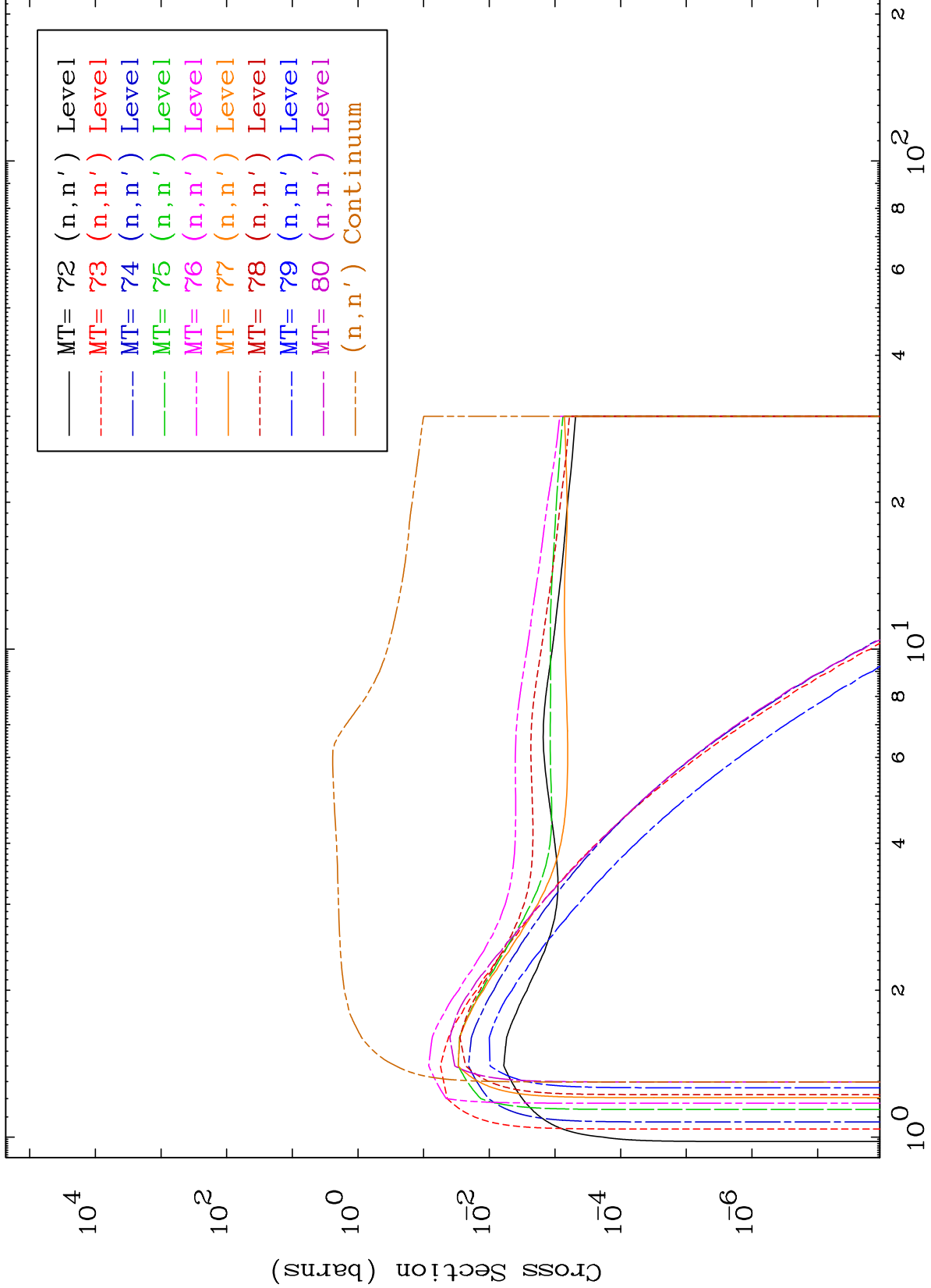
71-Lu-178

MAT 7134

(n,n') Level

71-Lu-178

293 Kelvin Cross Sections



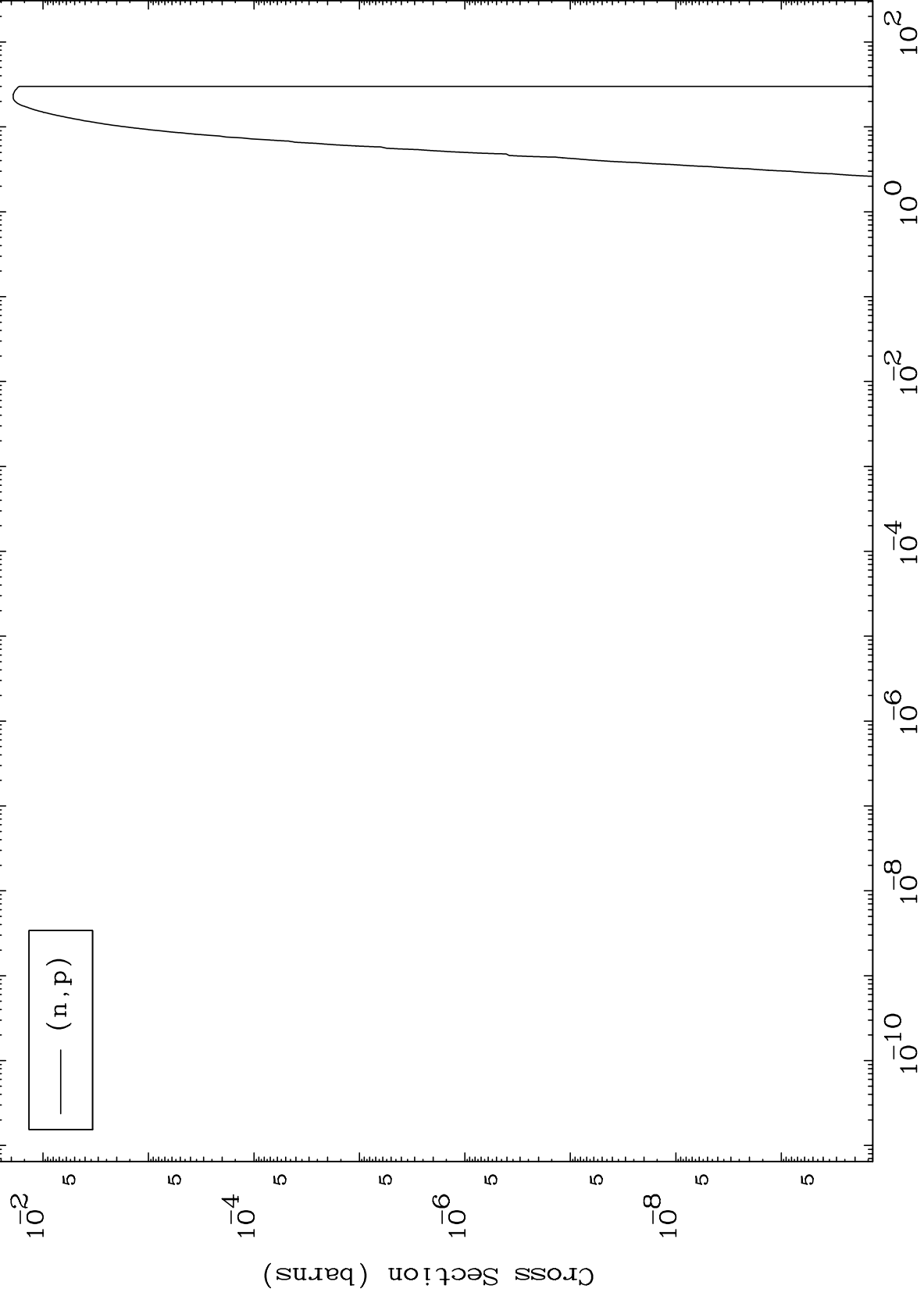
Incident Energy (MeV)

71-Lu-178

MAT 7134

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-178



10

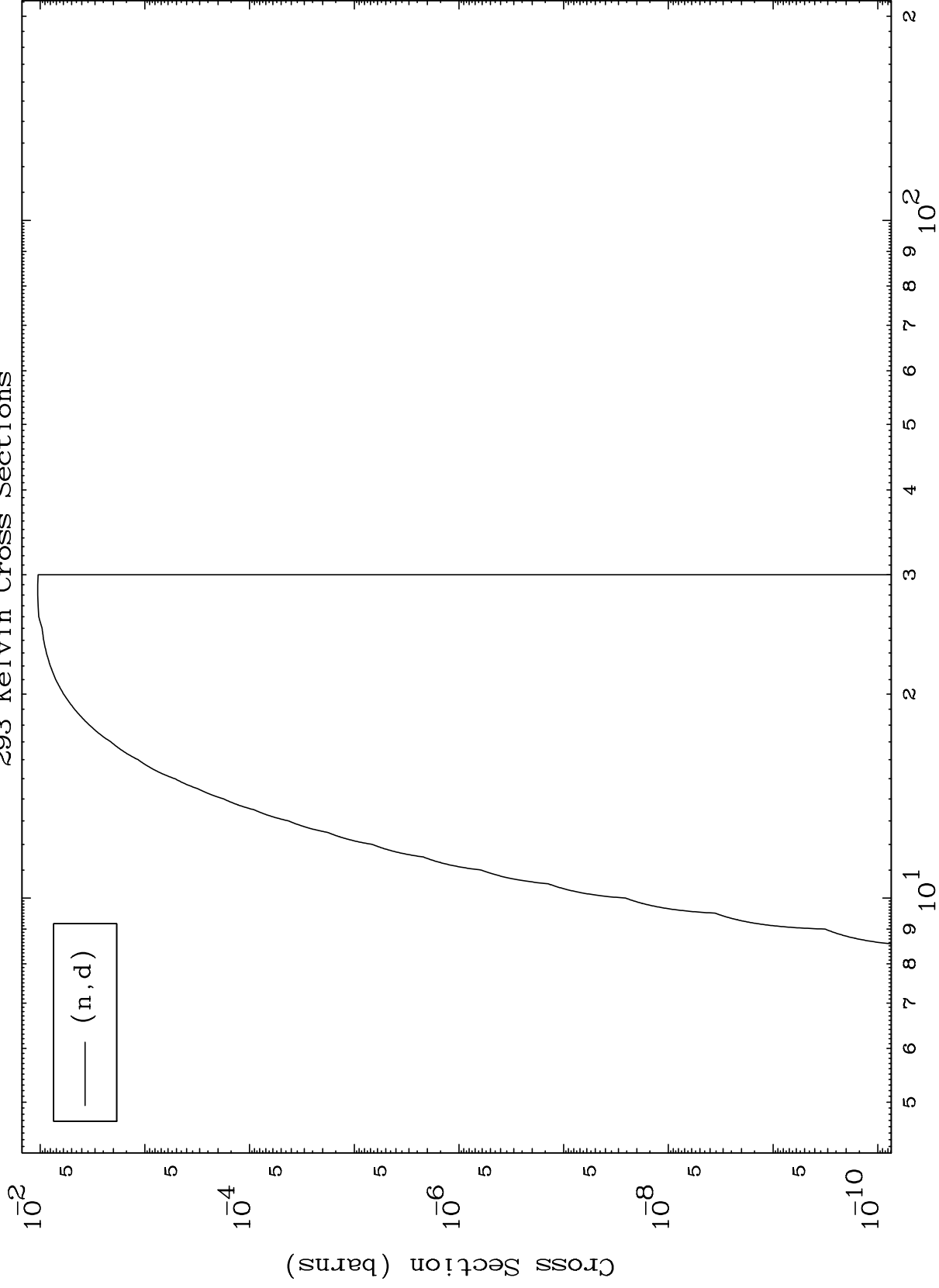
Incident Energy (MeV)

71-Lu-178

MAT 7134

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-178



11

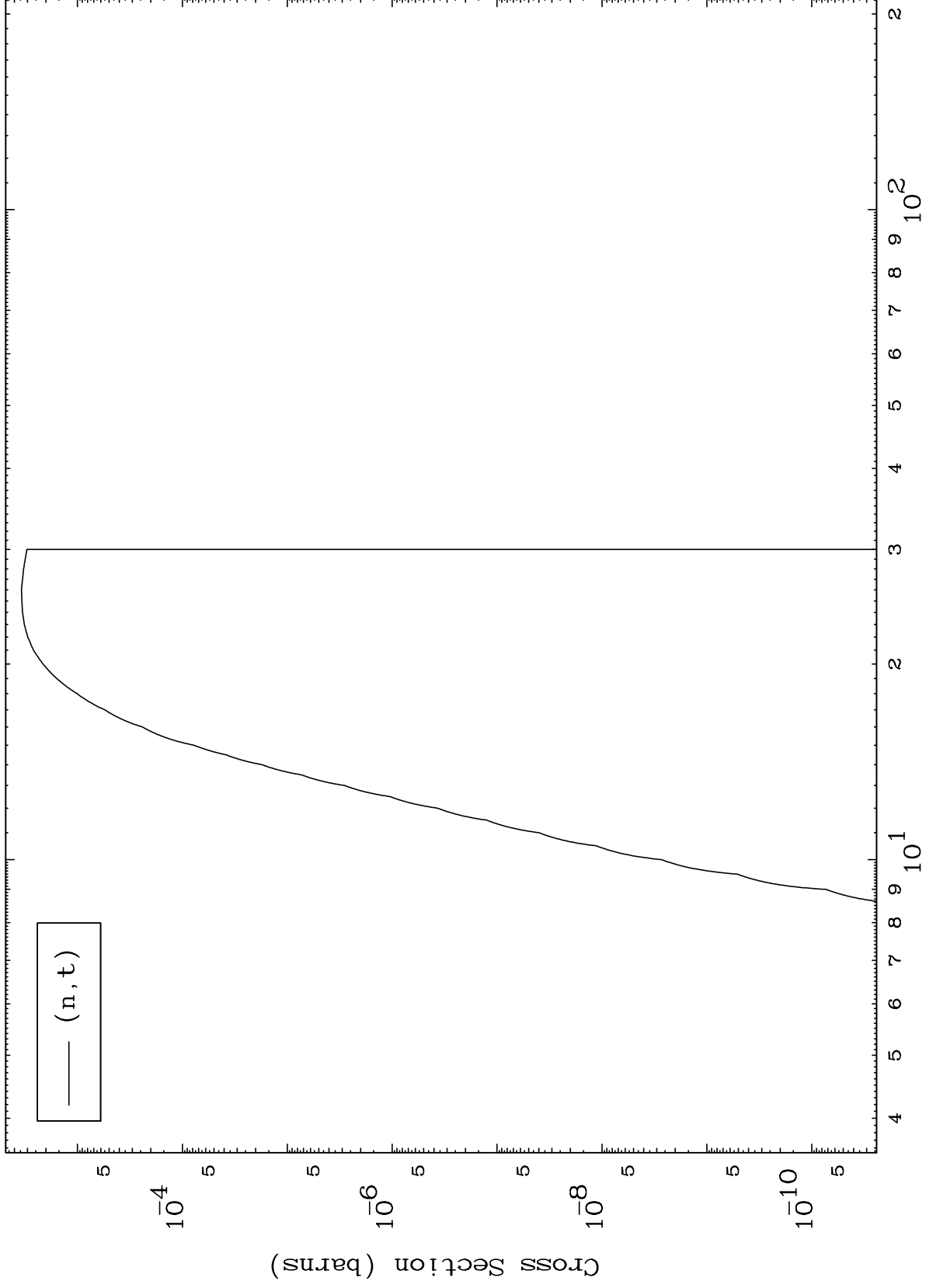
Incident Energy (MeV)

71-Lu-178

MAT 7134

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-178



12

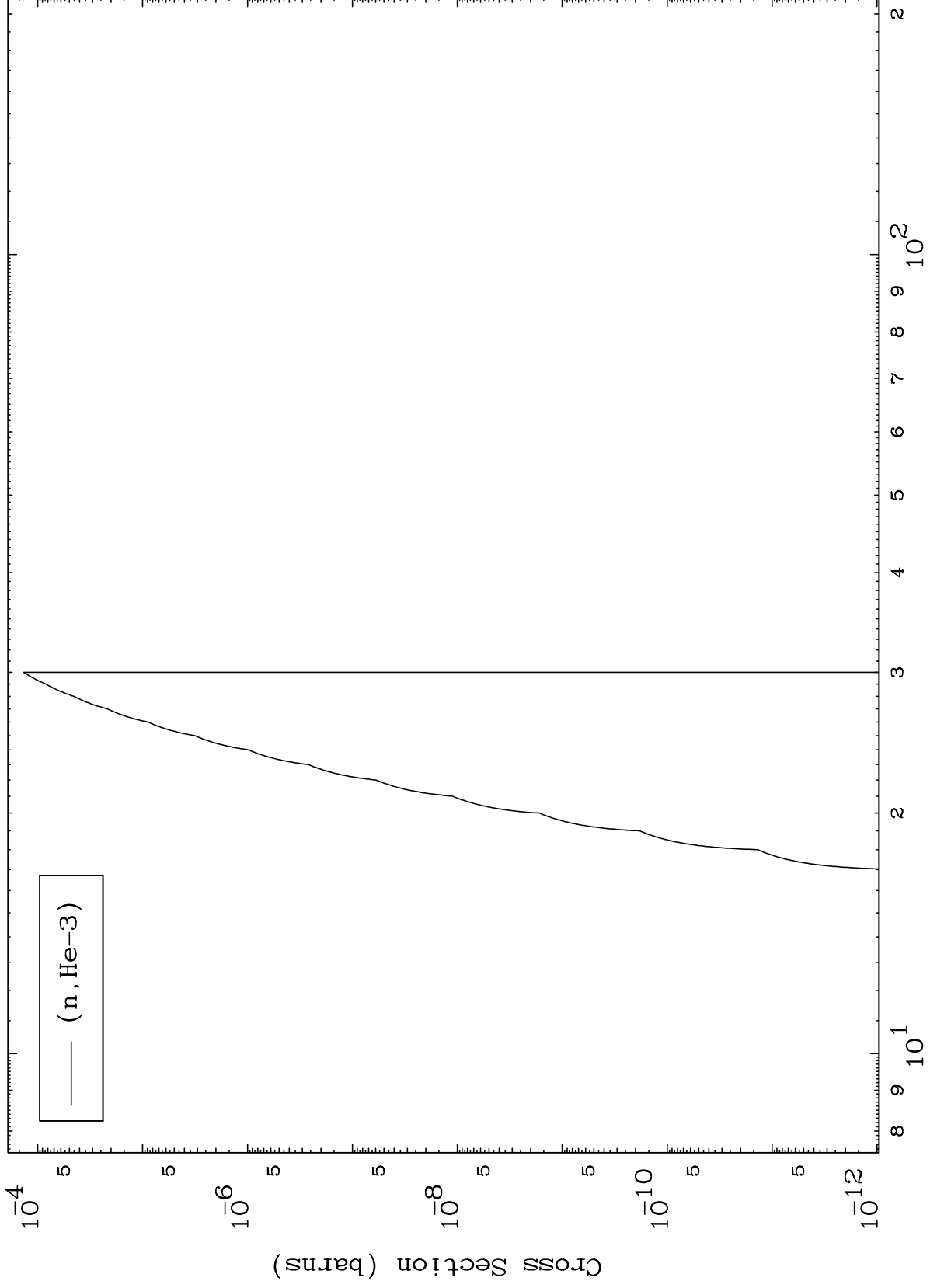
Incident Energy (MeV)

71-Lu-178

MAT 7134

(n,He3) Levels
293 Kelvin Cross Sections

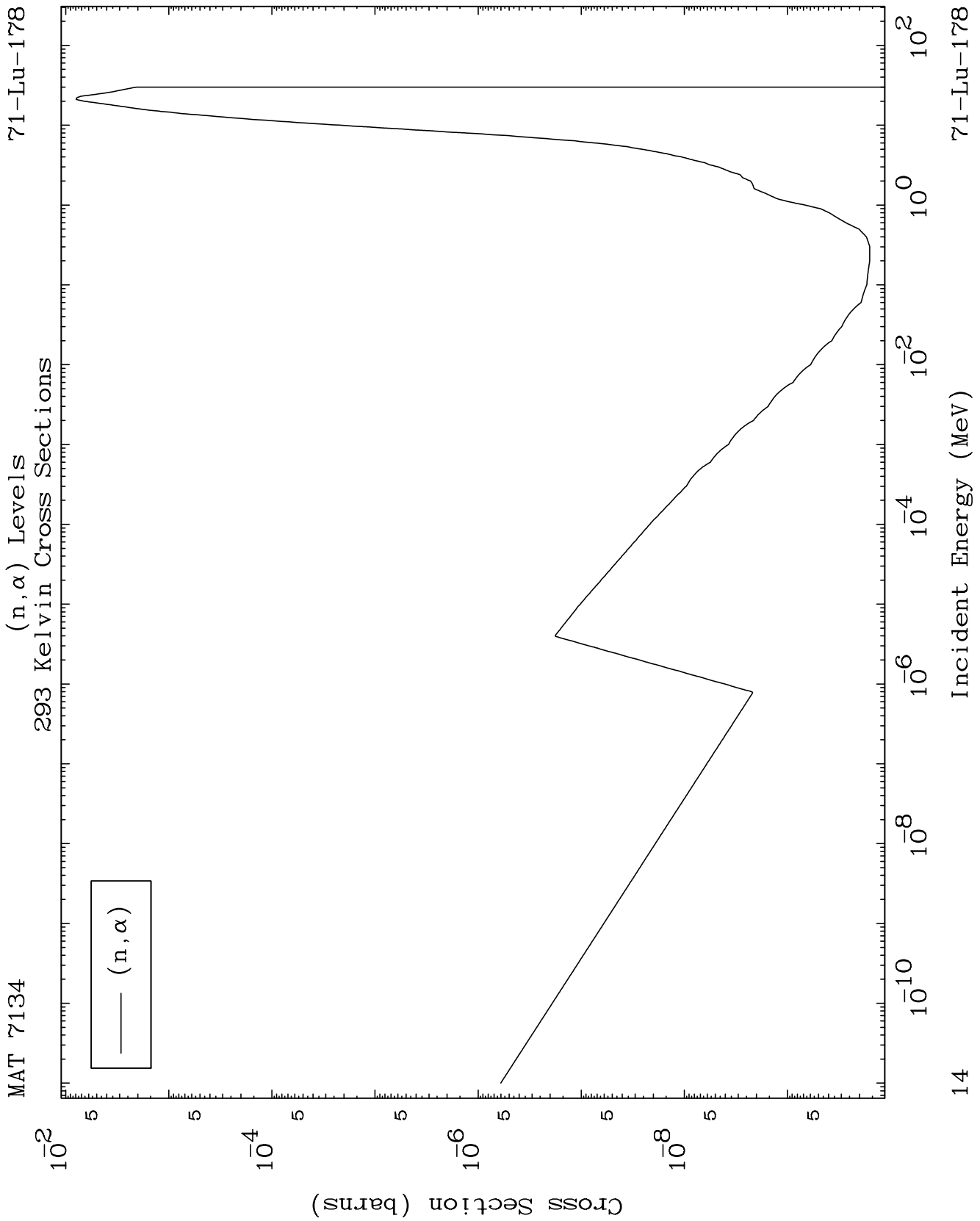
71-Lu-178

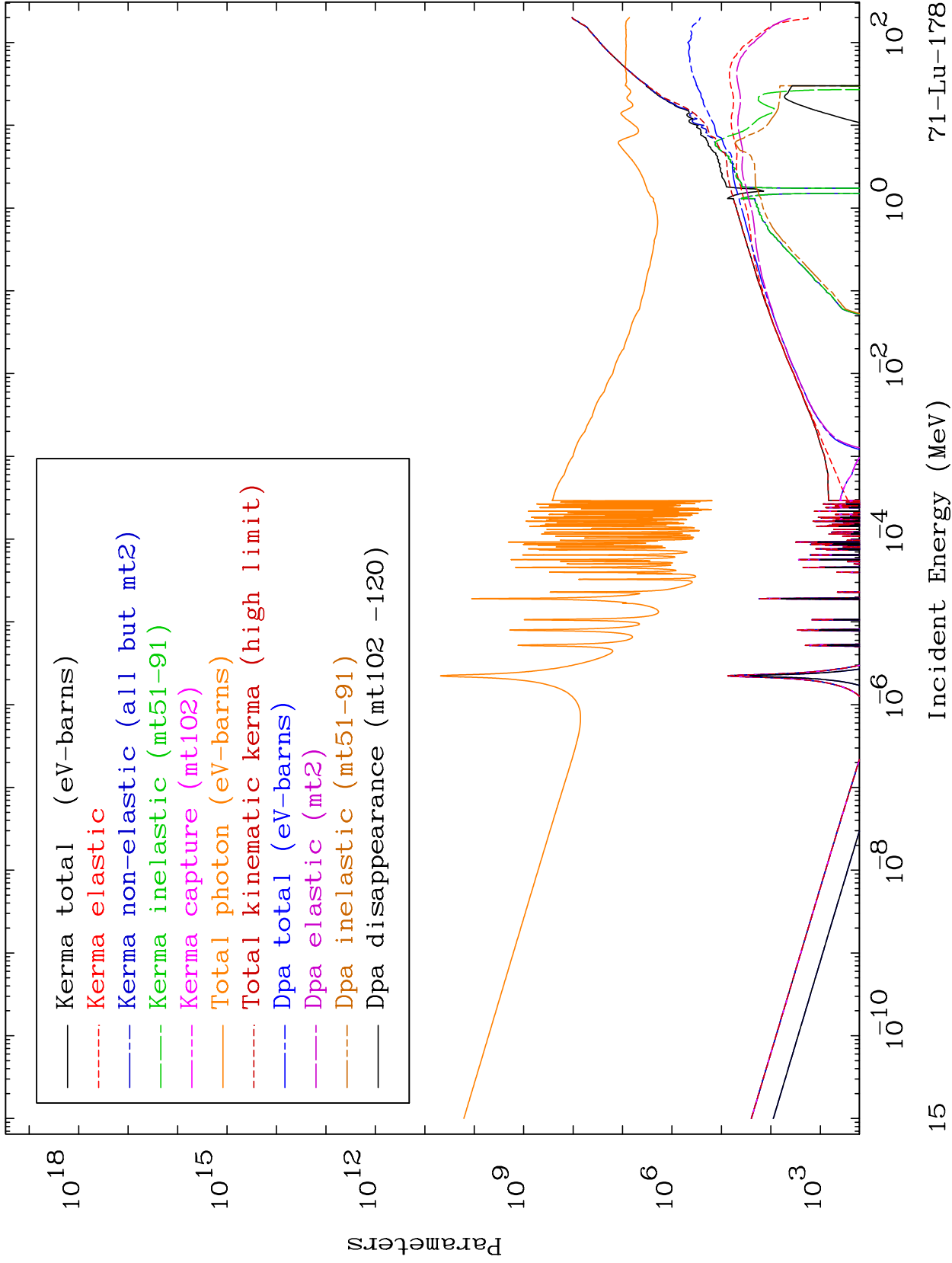


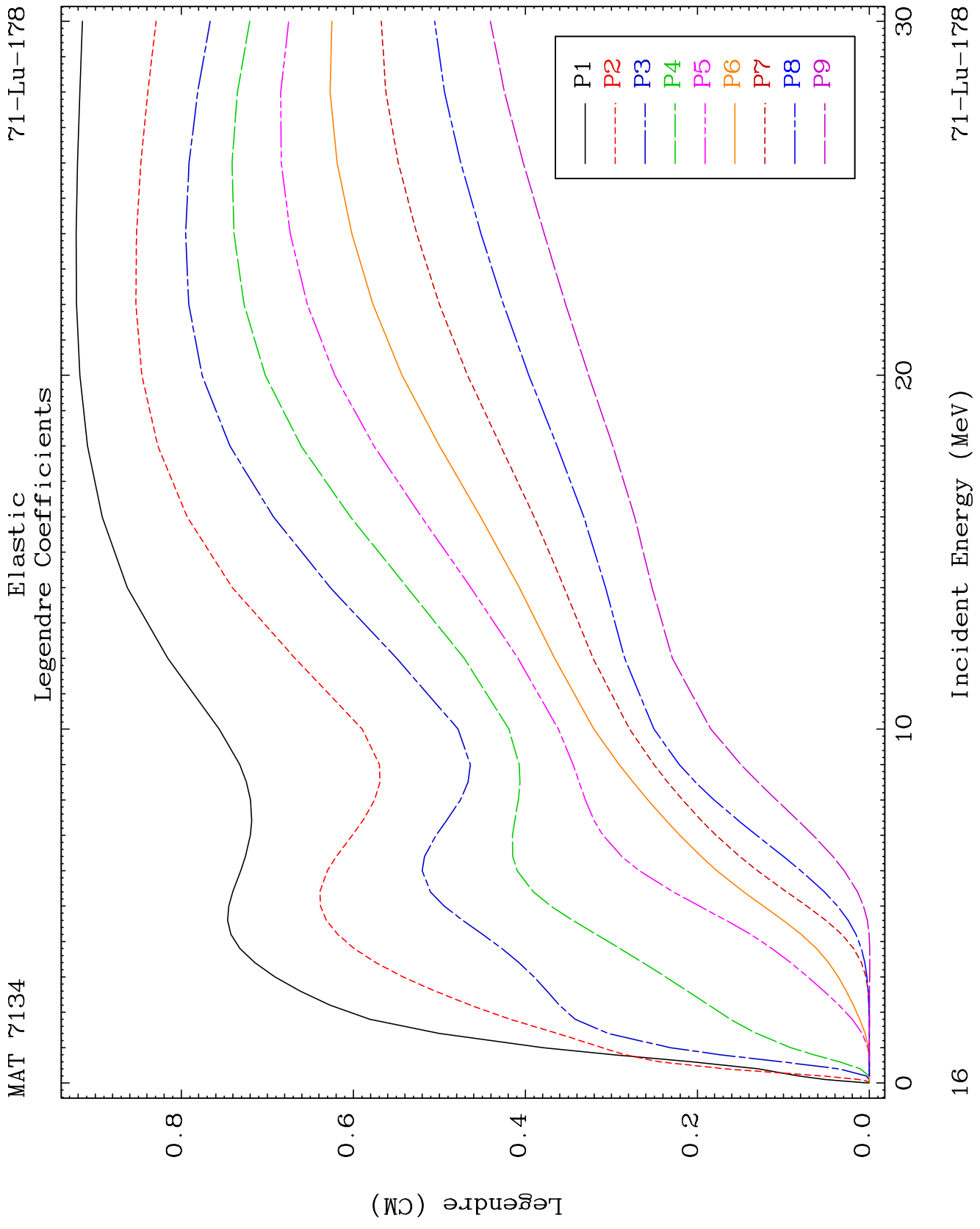
13

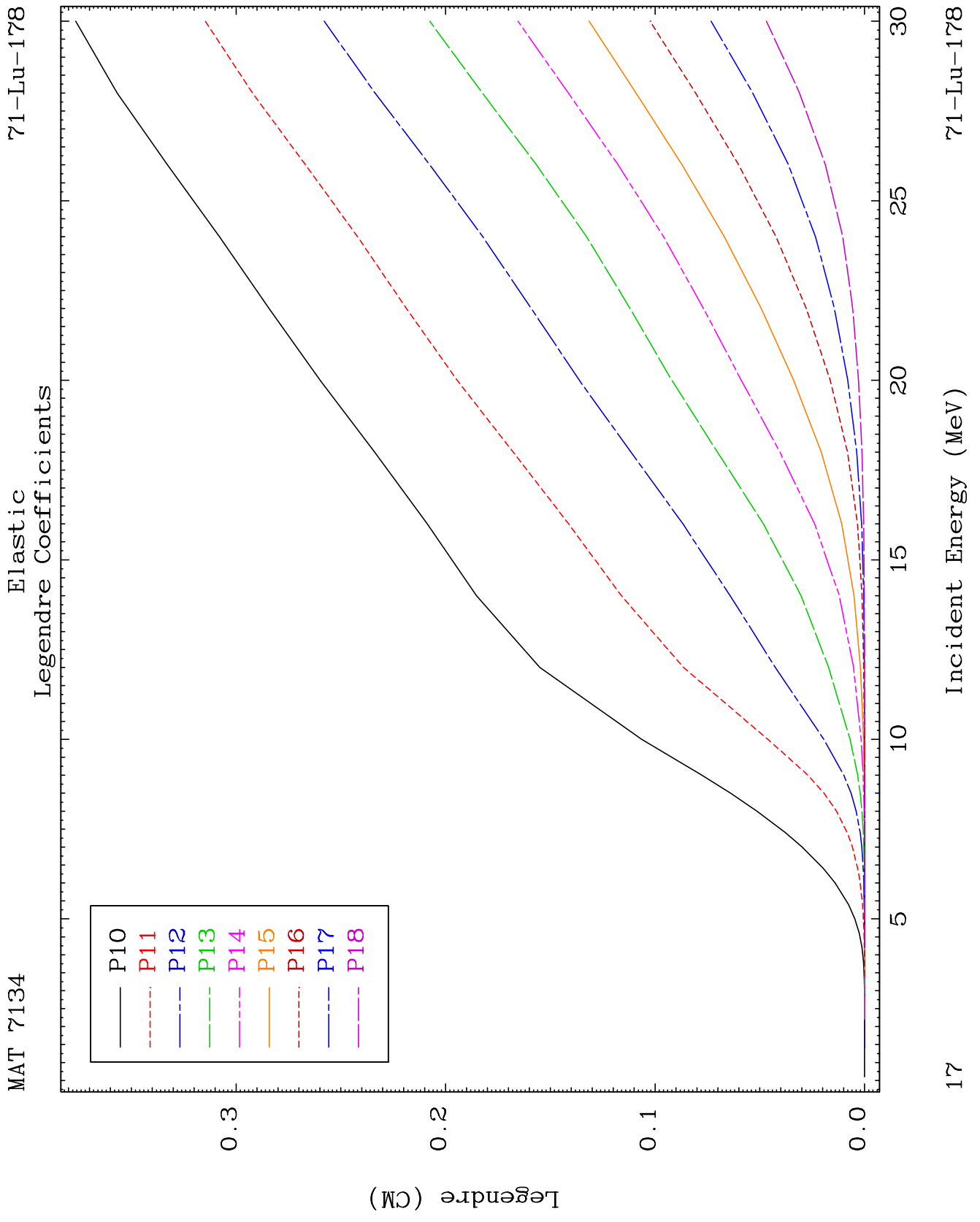
Incident Energy (MeV)

71-Lu-178





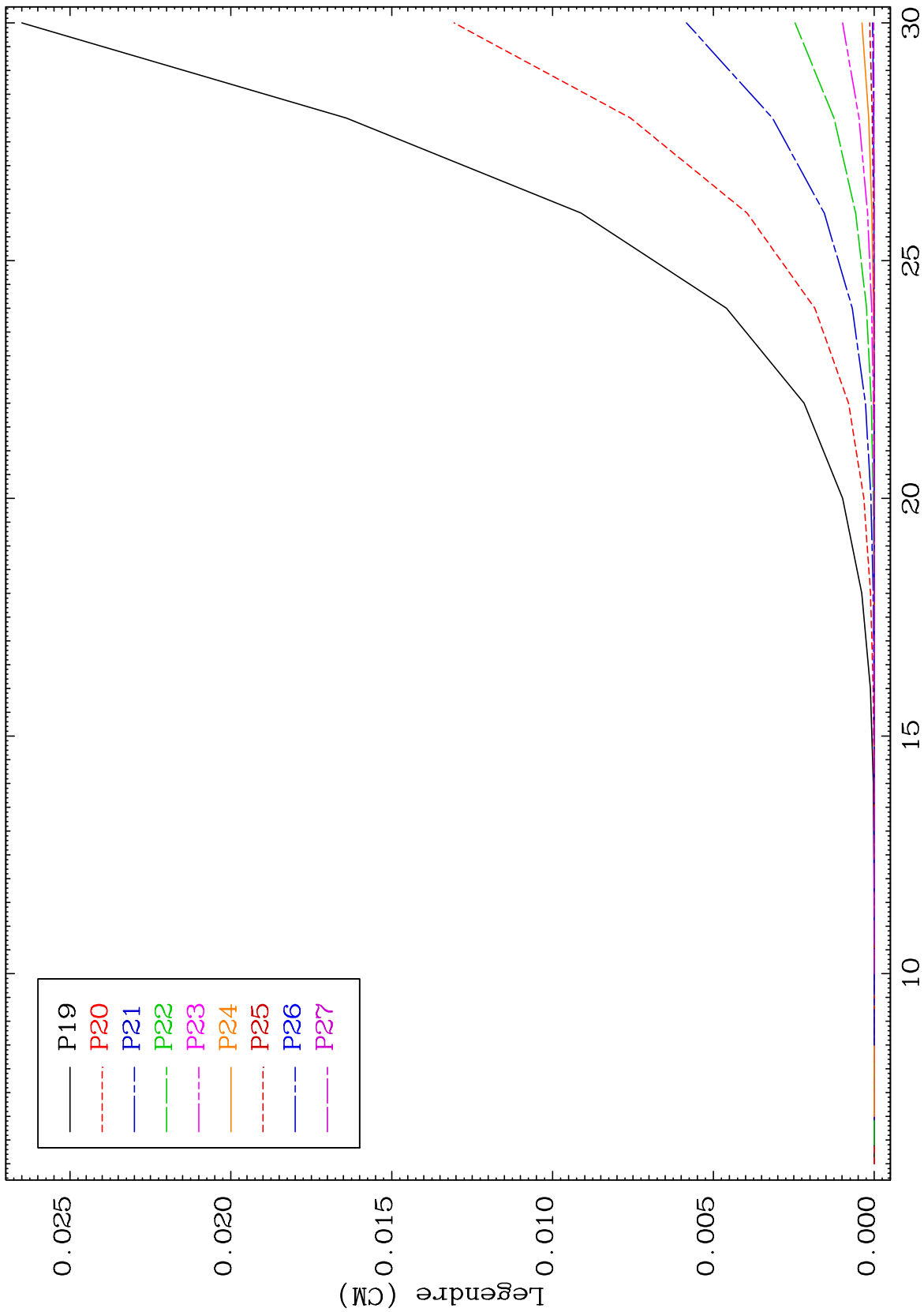




MAT 7134

Elastic Legendre Coefficients

71-Lu-178



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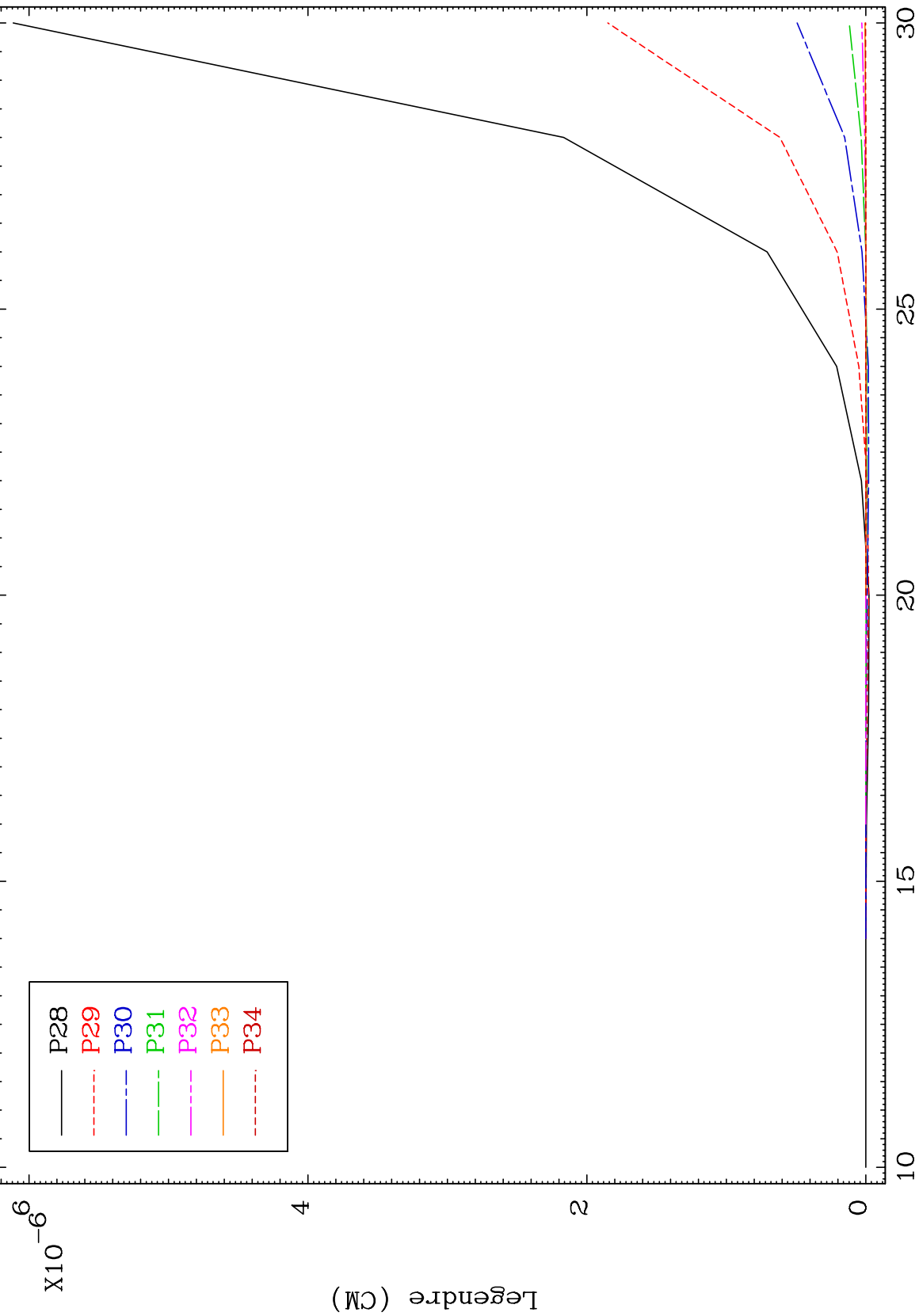
Incident Energy (MeV)

71-Lu-178

MAT 7134

Elastic
Legendre Coefficients

71-Lu-178



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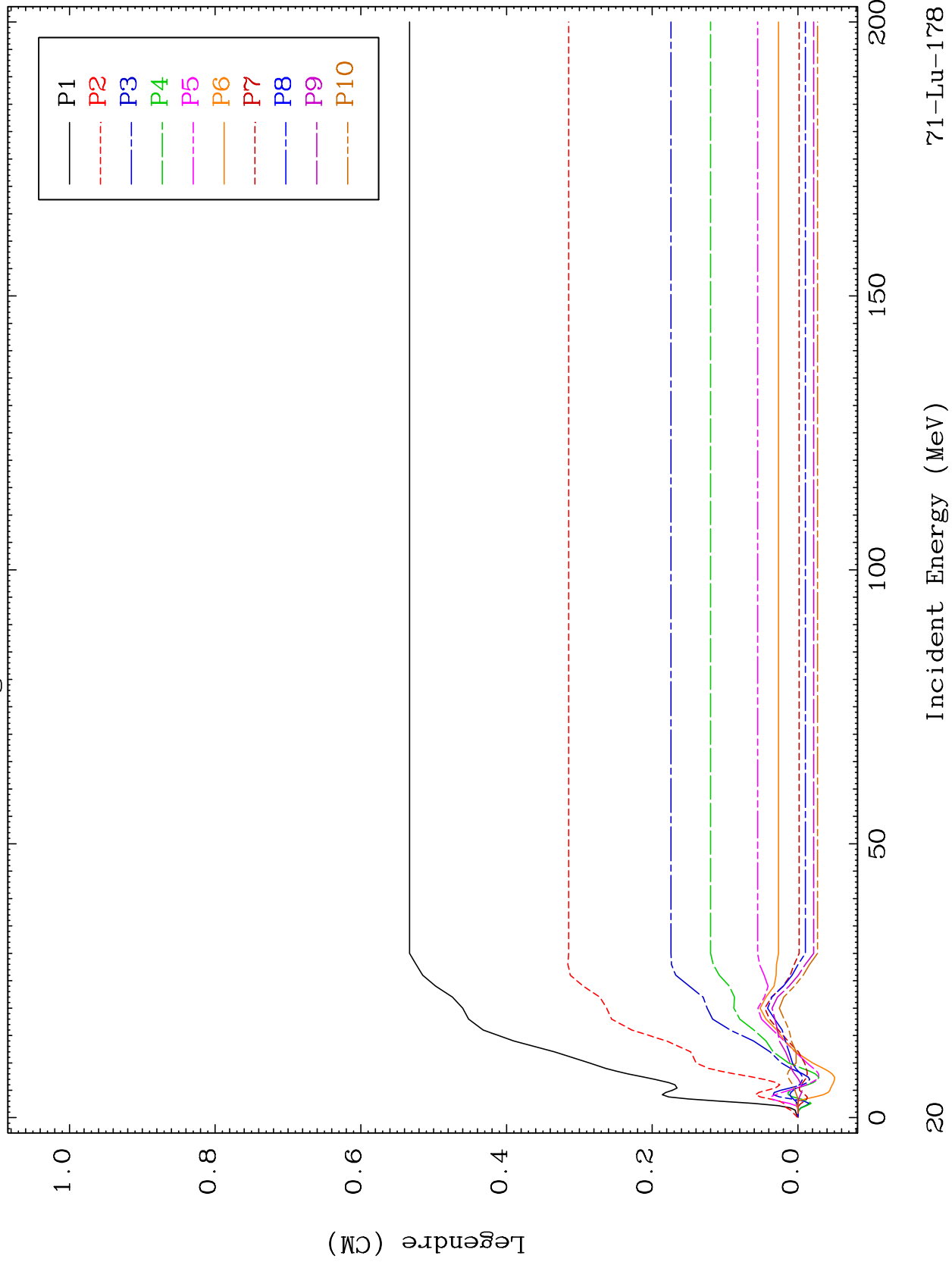
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

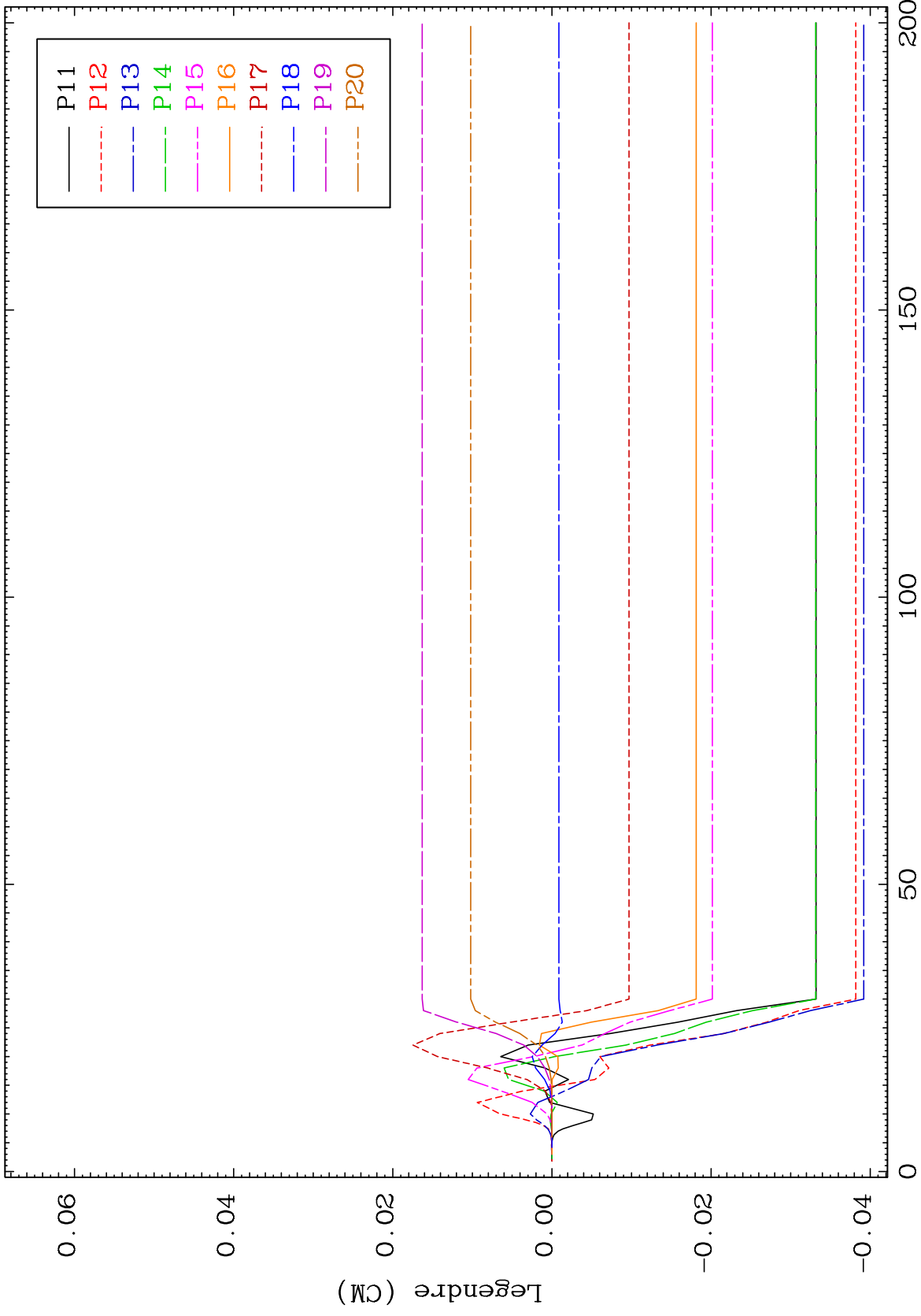
71-Lu-178



MAT 7134

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

71-Lu-178



21

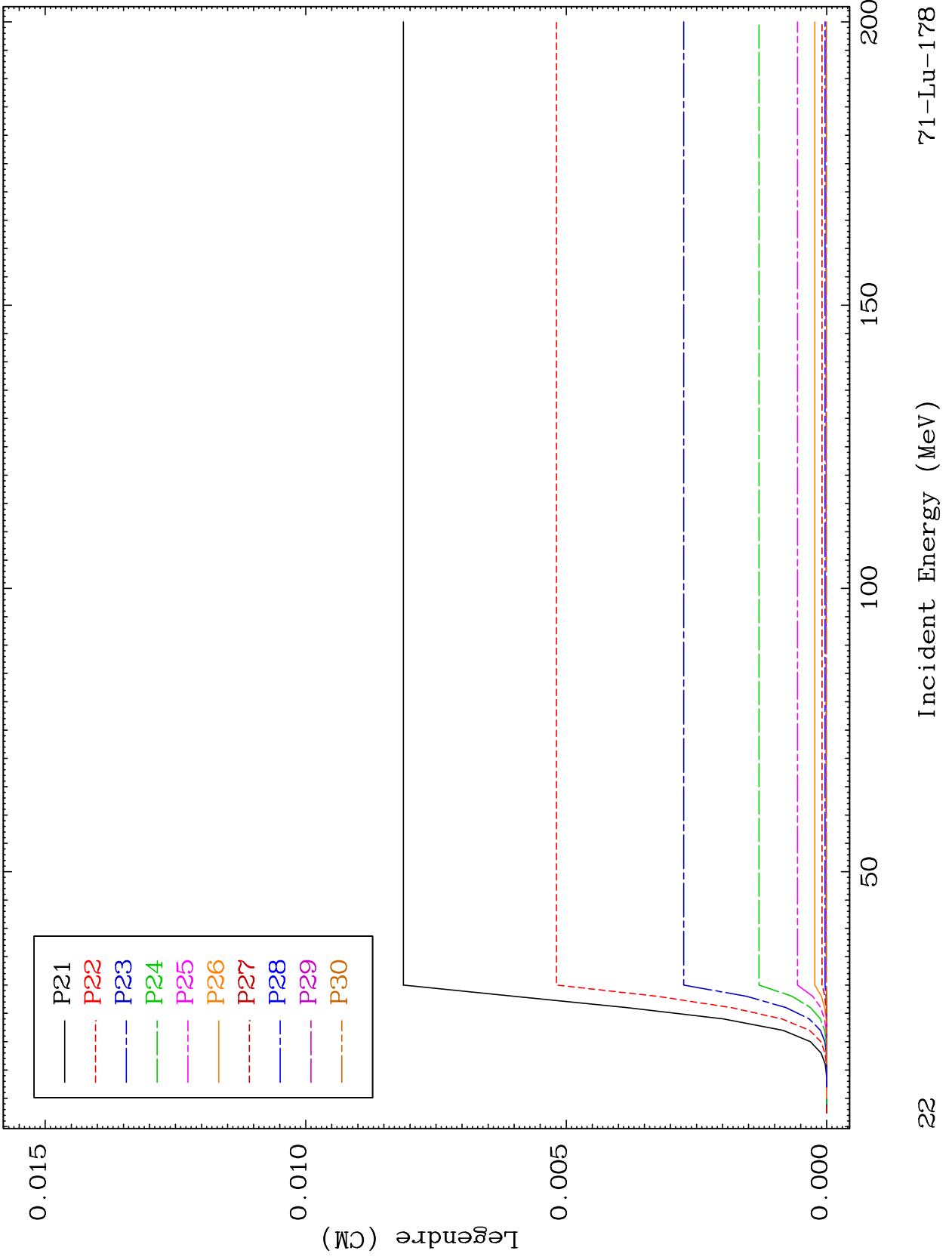
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178



22

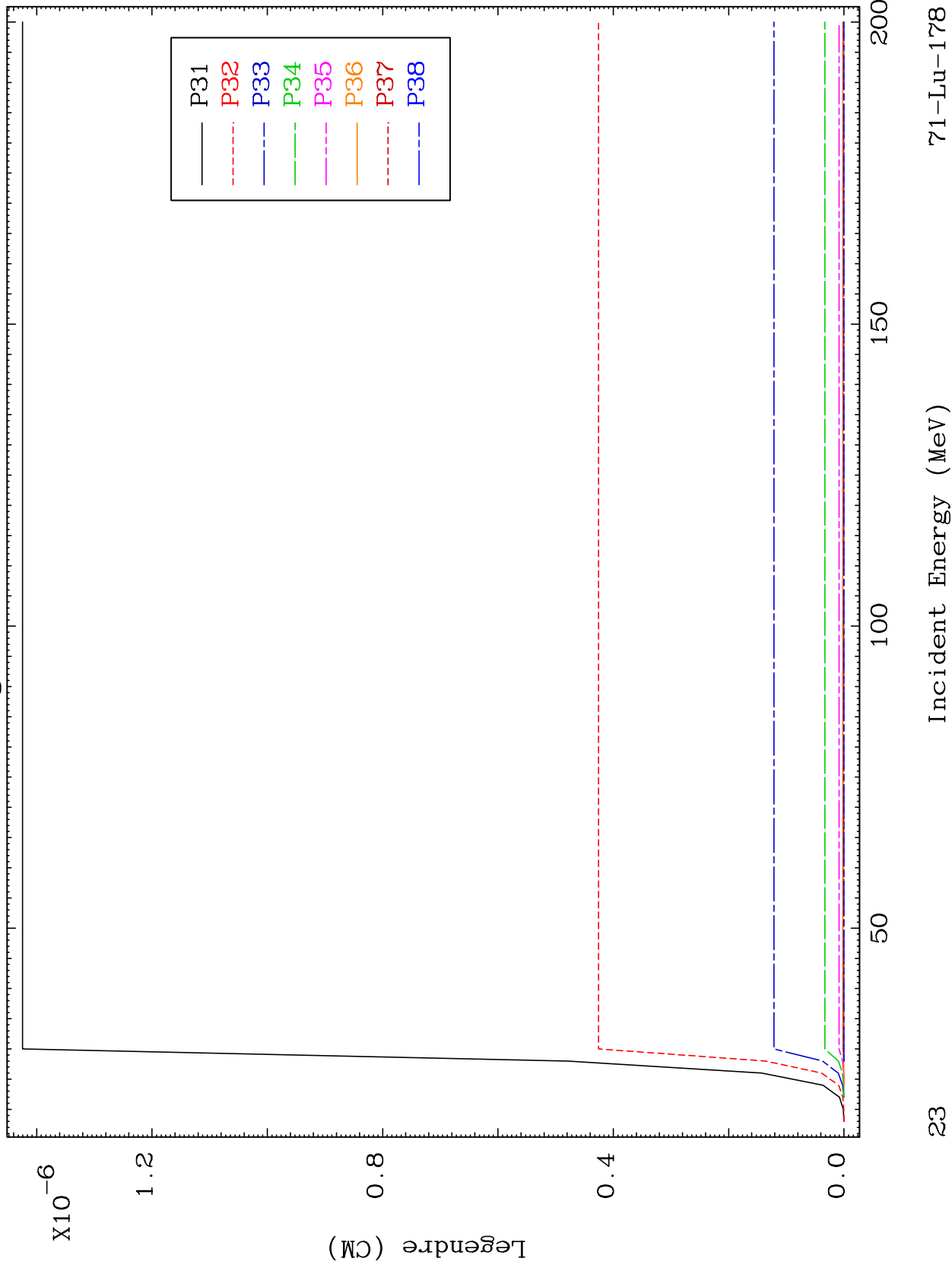
Incident Energy (MeV)

71-Lu-178

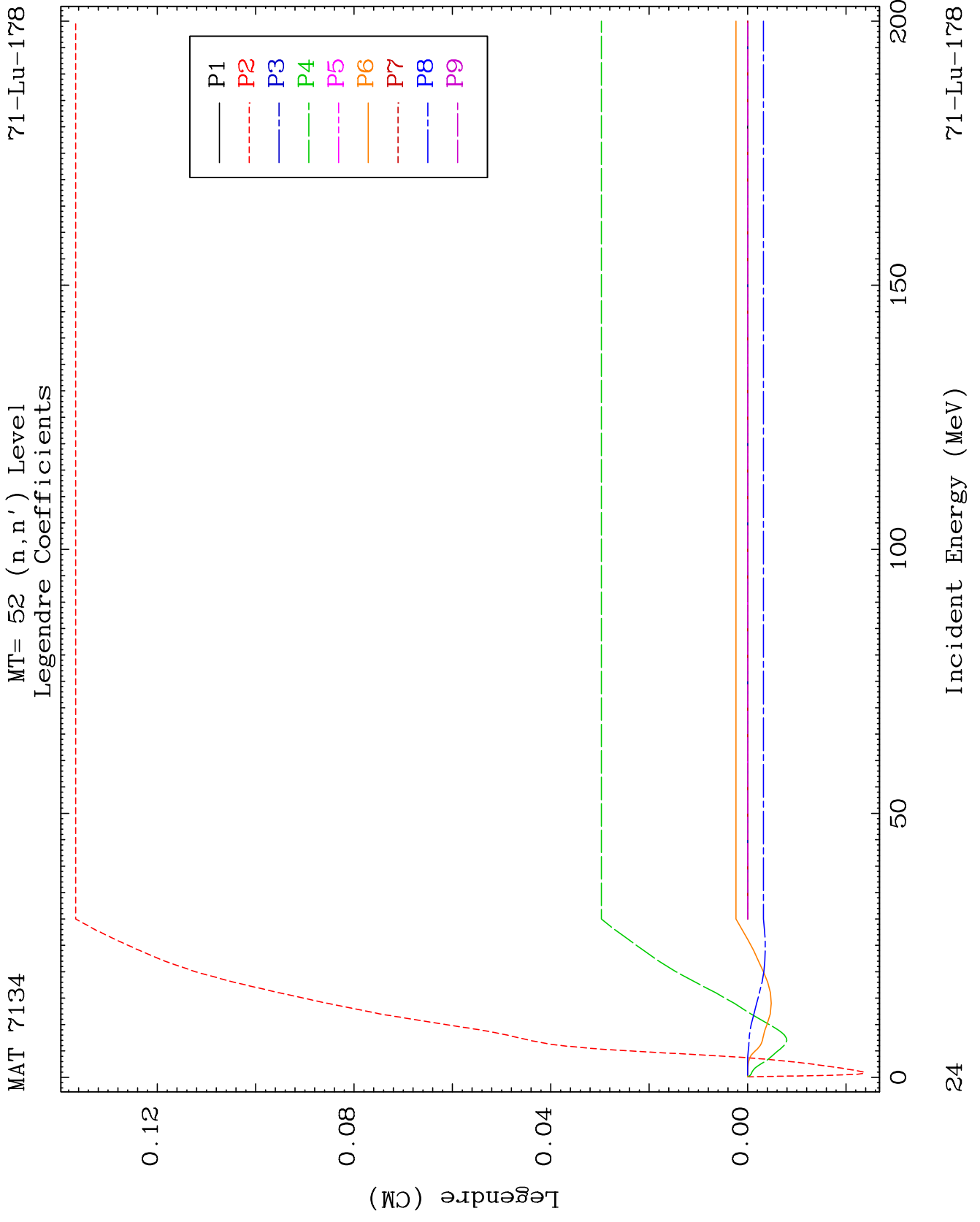
MAT 7134

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

71-Lu-178



23

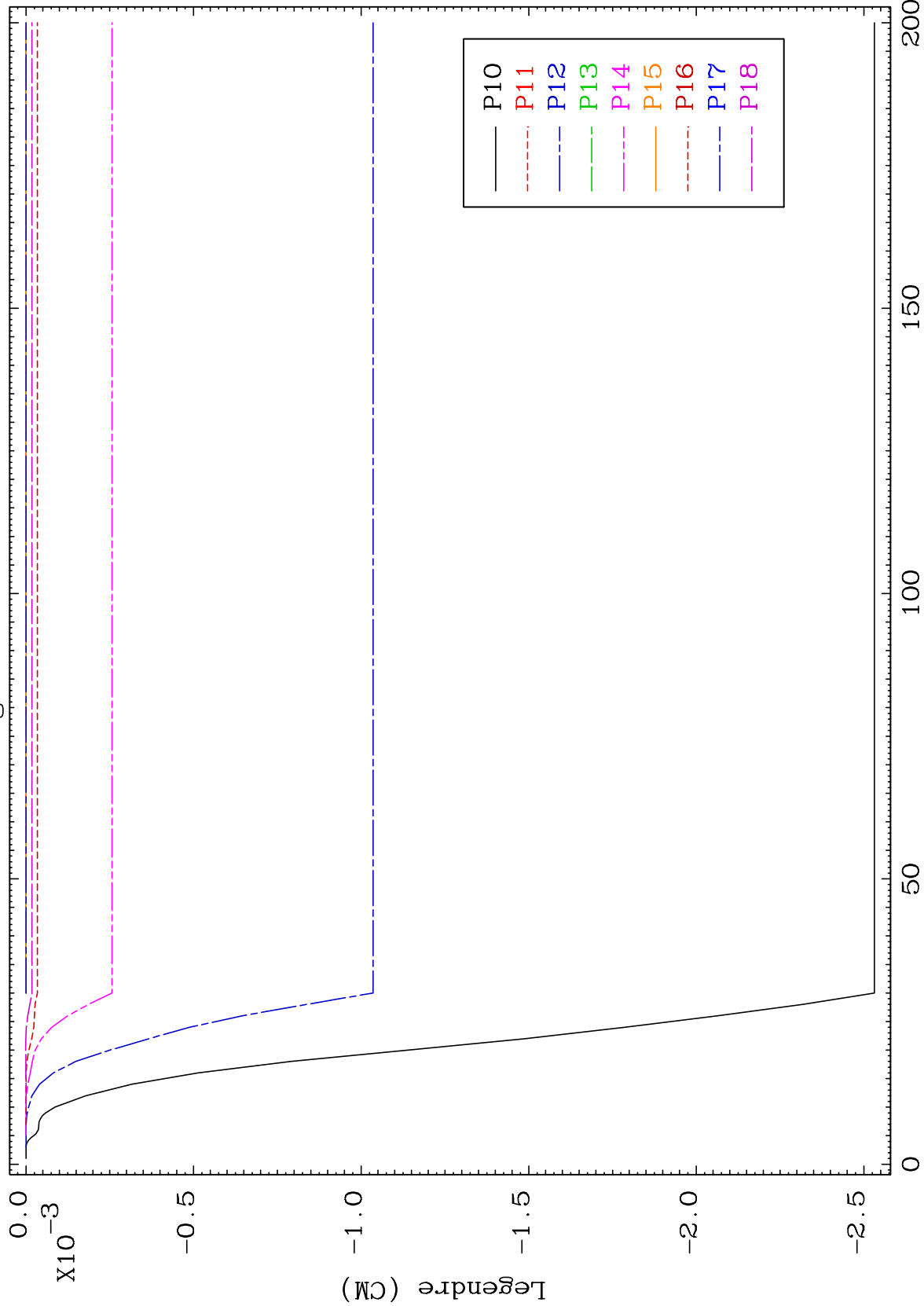


MAT 7134

MT= 52 (n,n') Level

71-Lu-178

Legendre Coefficients



25

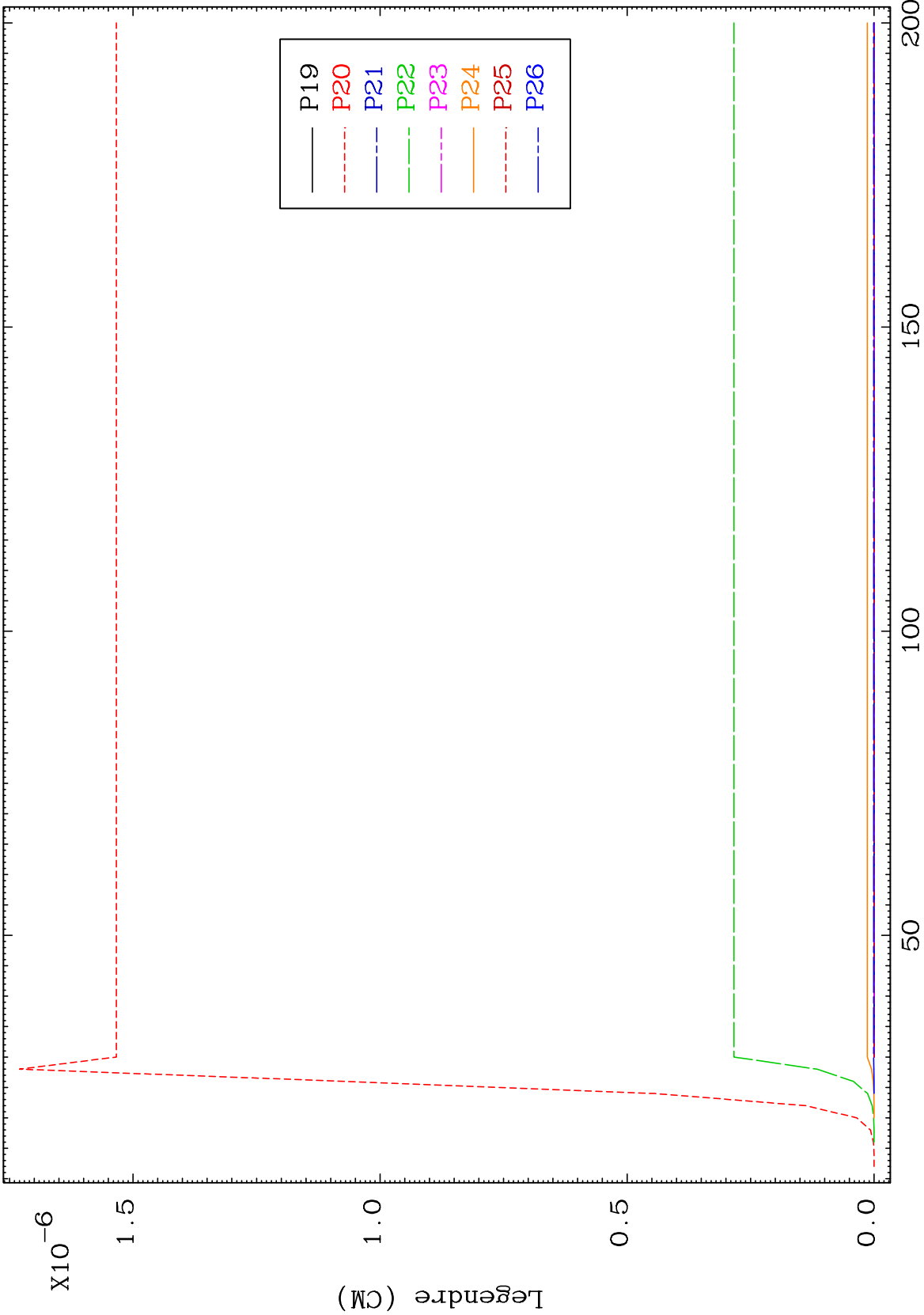
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178



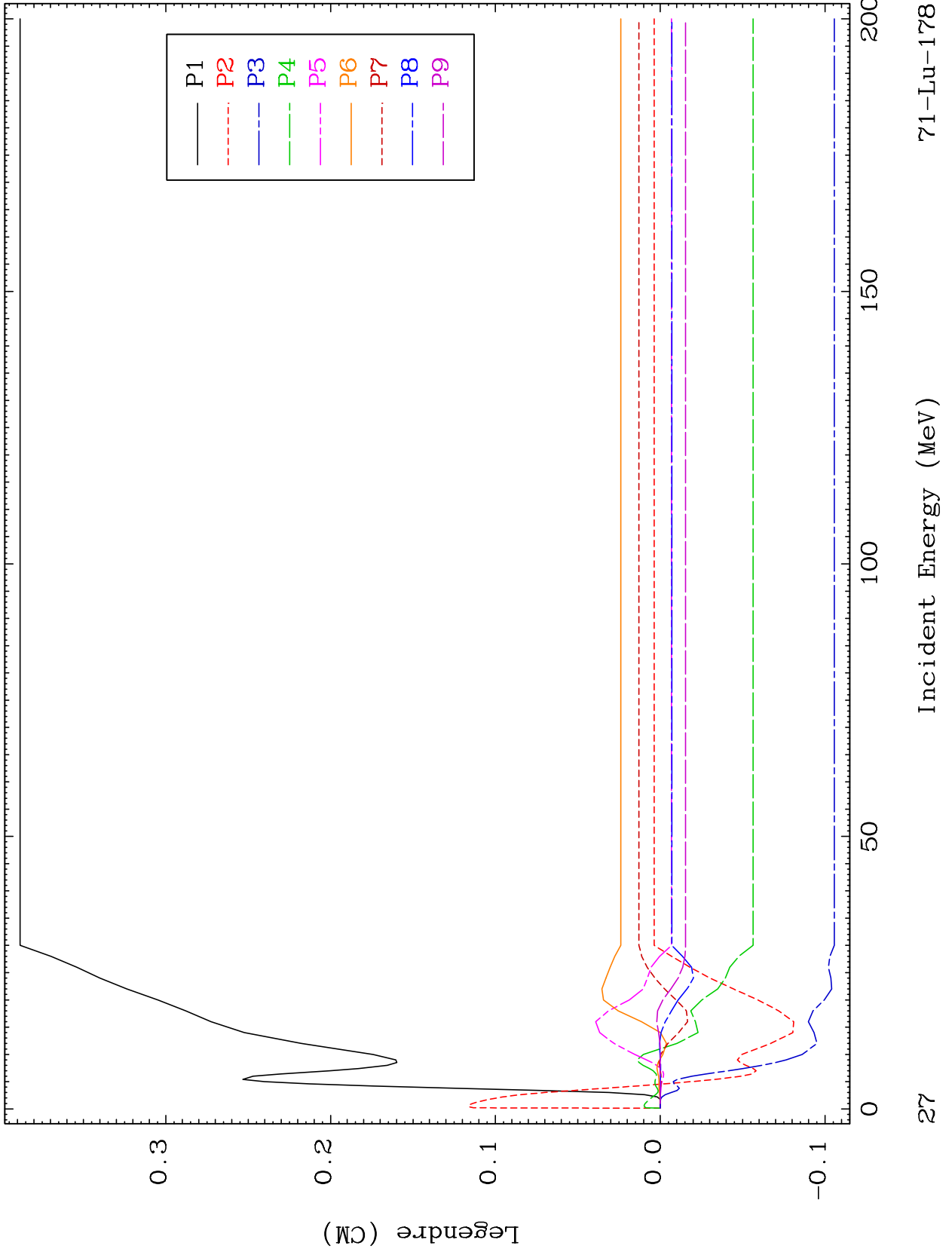
26

71-Lu-178

MAT 7134

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

71-Lu-178



71-Lu-178

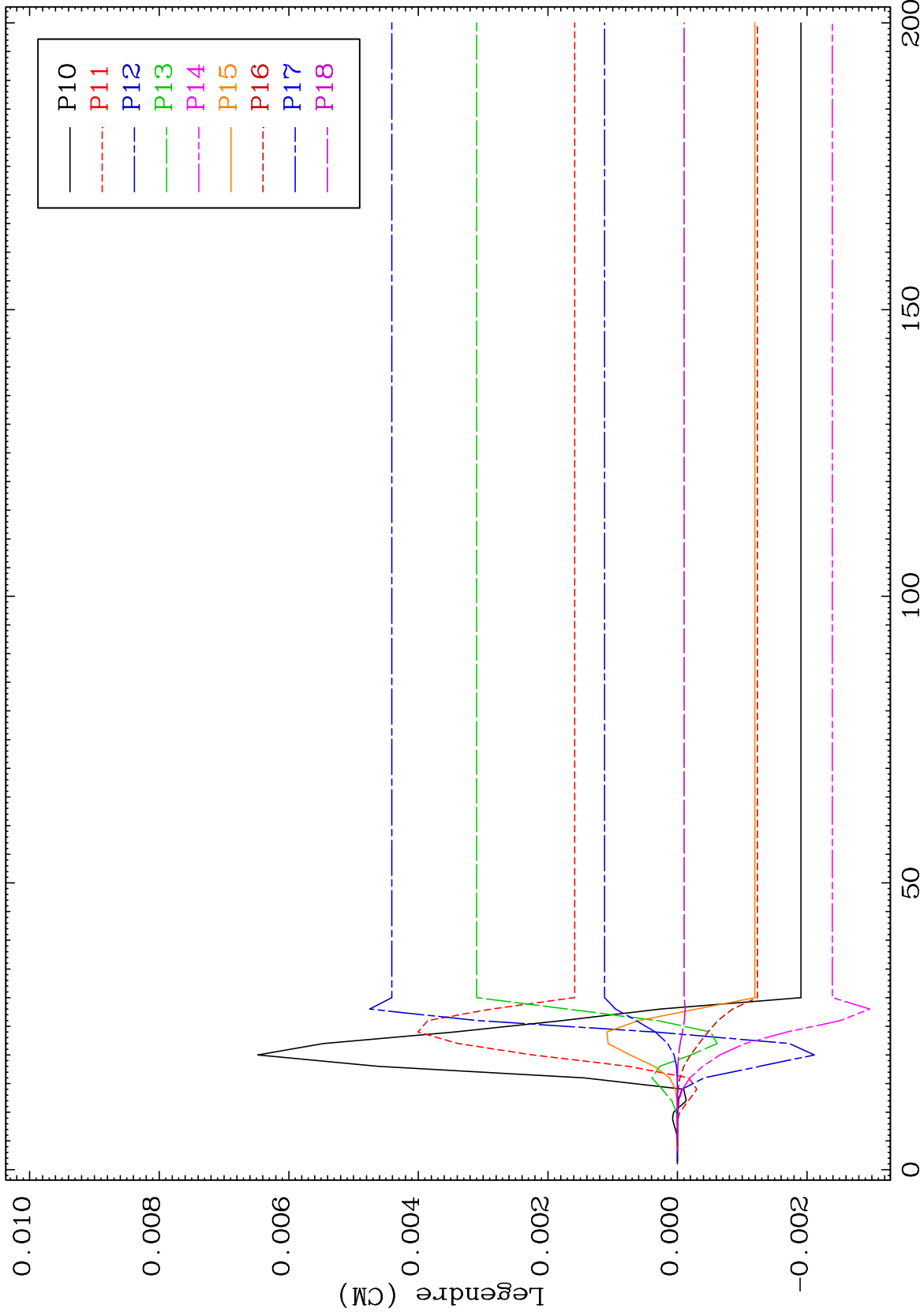
Incident Energy (MeV)

27

MAT 7134

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

71-Lu-178



71-Lu-178

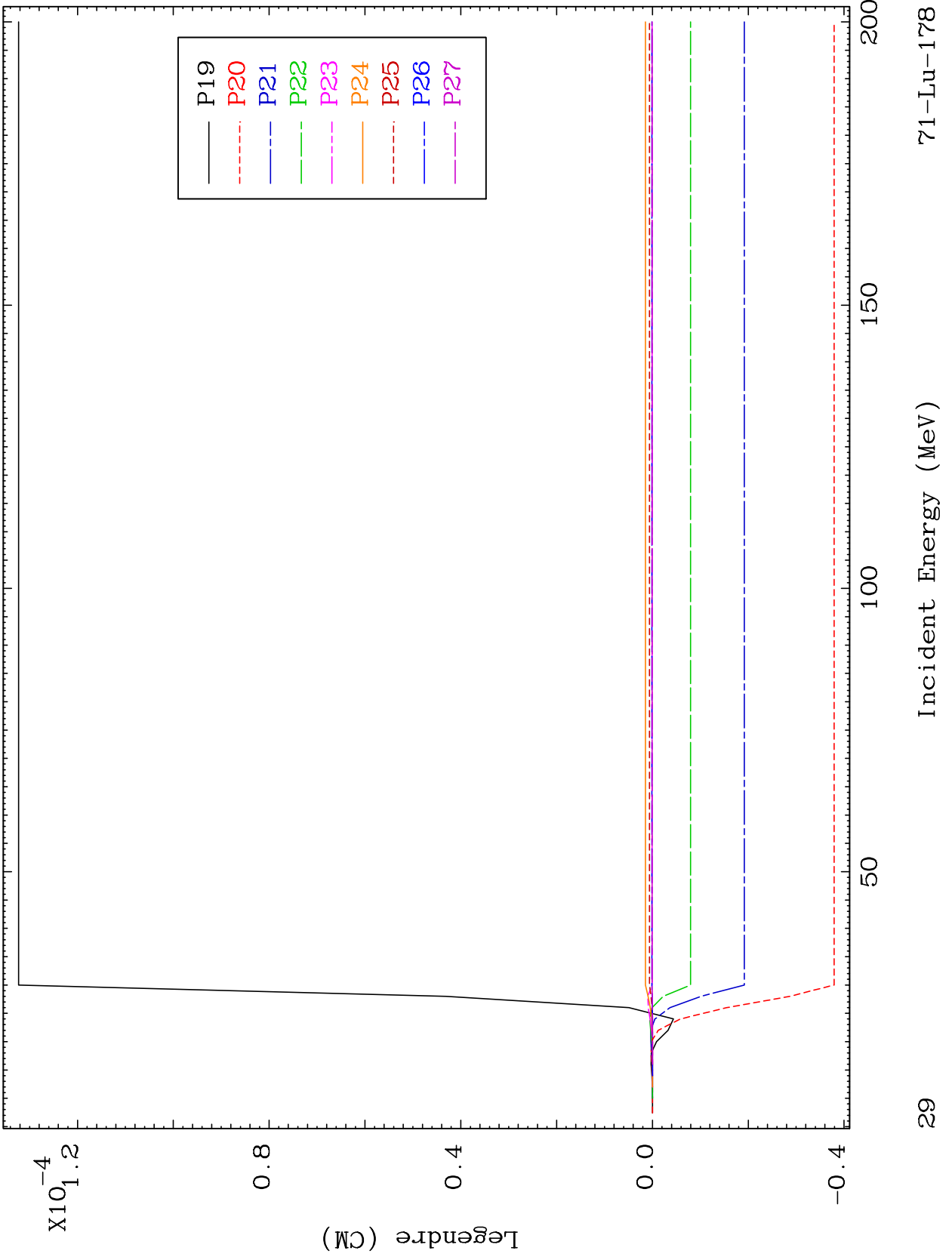
Incident Energy (MeV)

28

MAT 7134

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

71-Lu-178



29

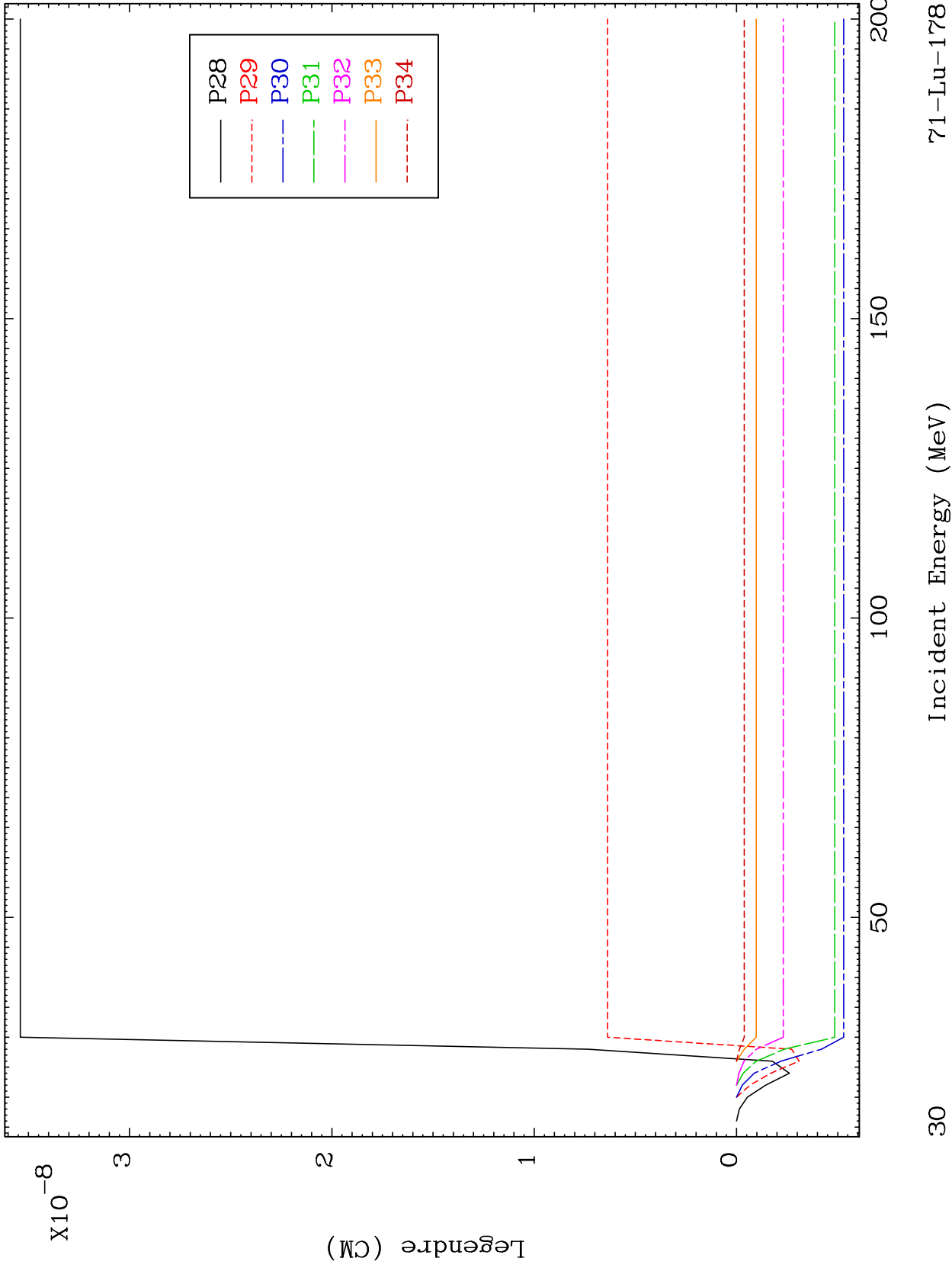
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

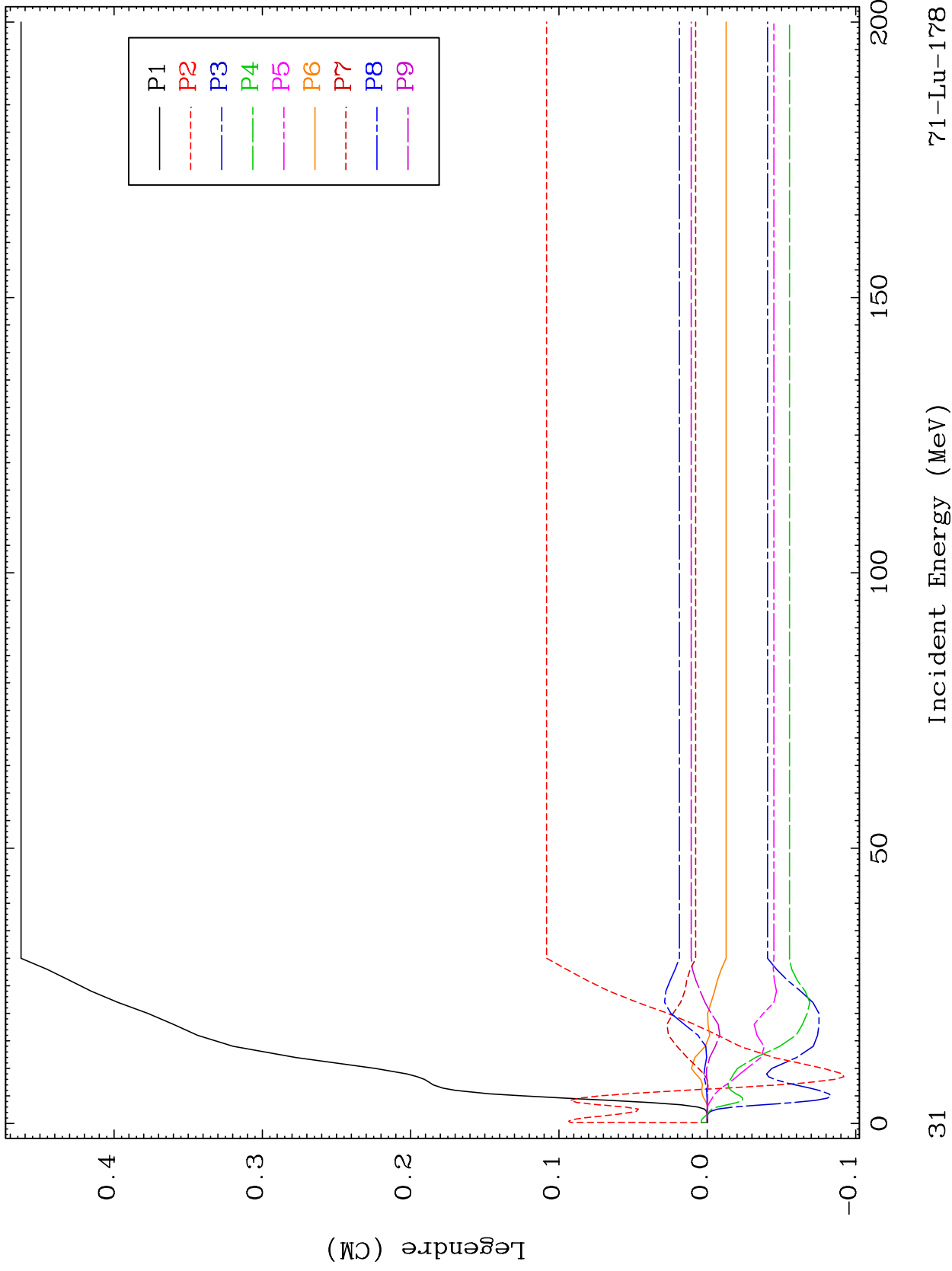
71-Lu-178



MAT 7134

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

71-Lu-178



71-Lu-178

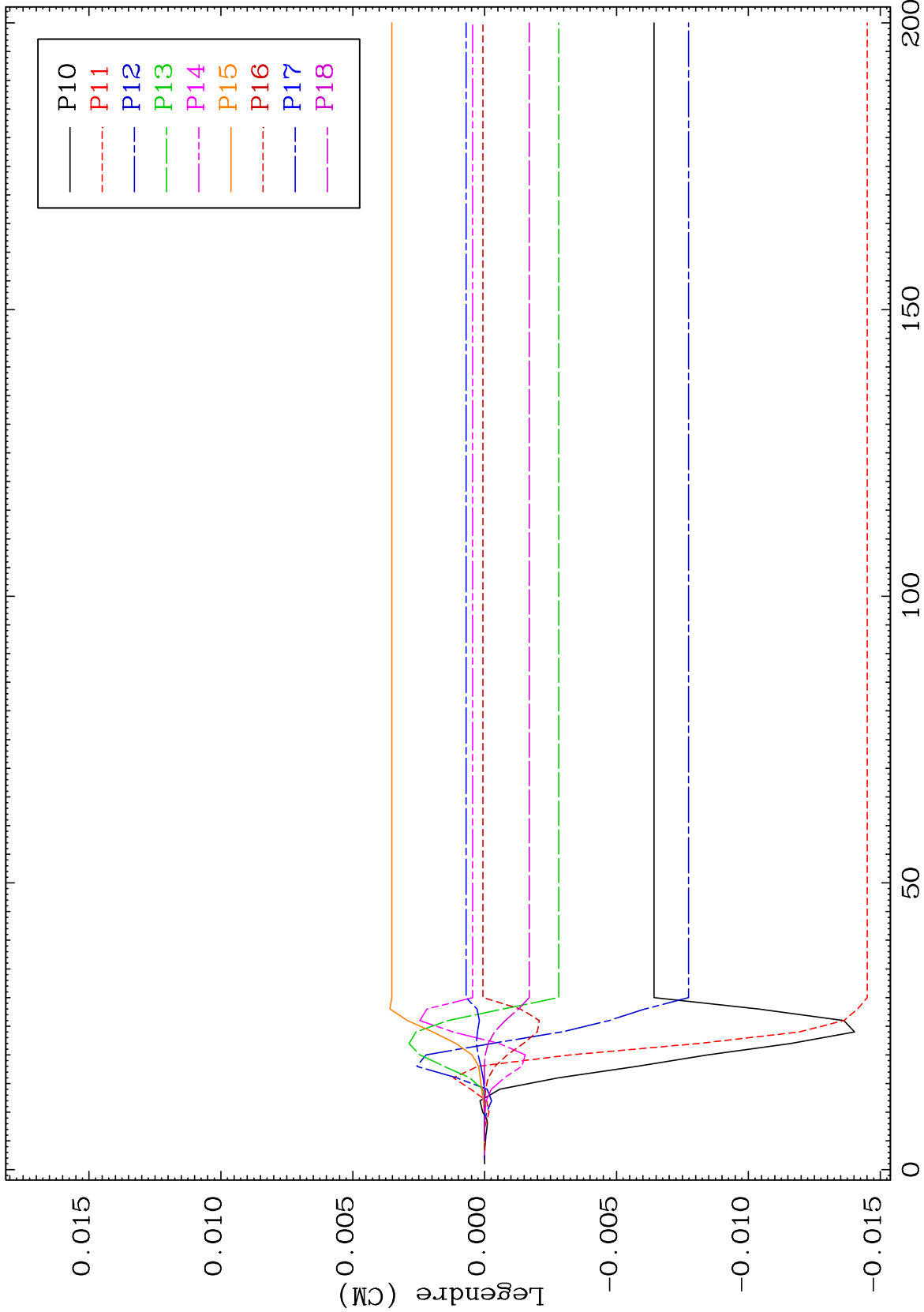
Incident Energy (MeV)

31

MAT 7134

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

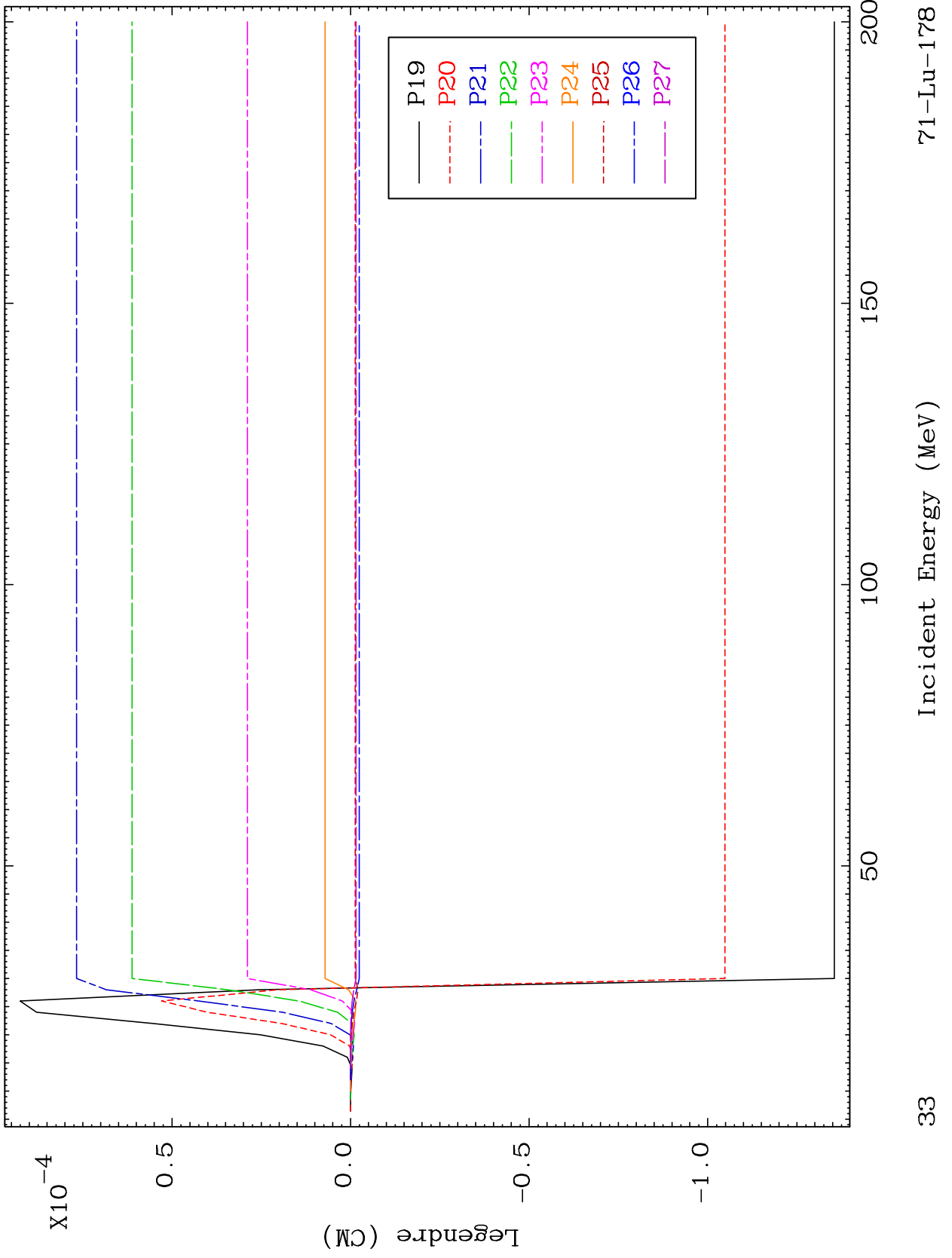
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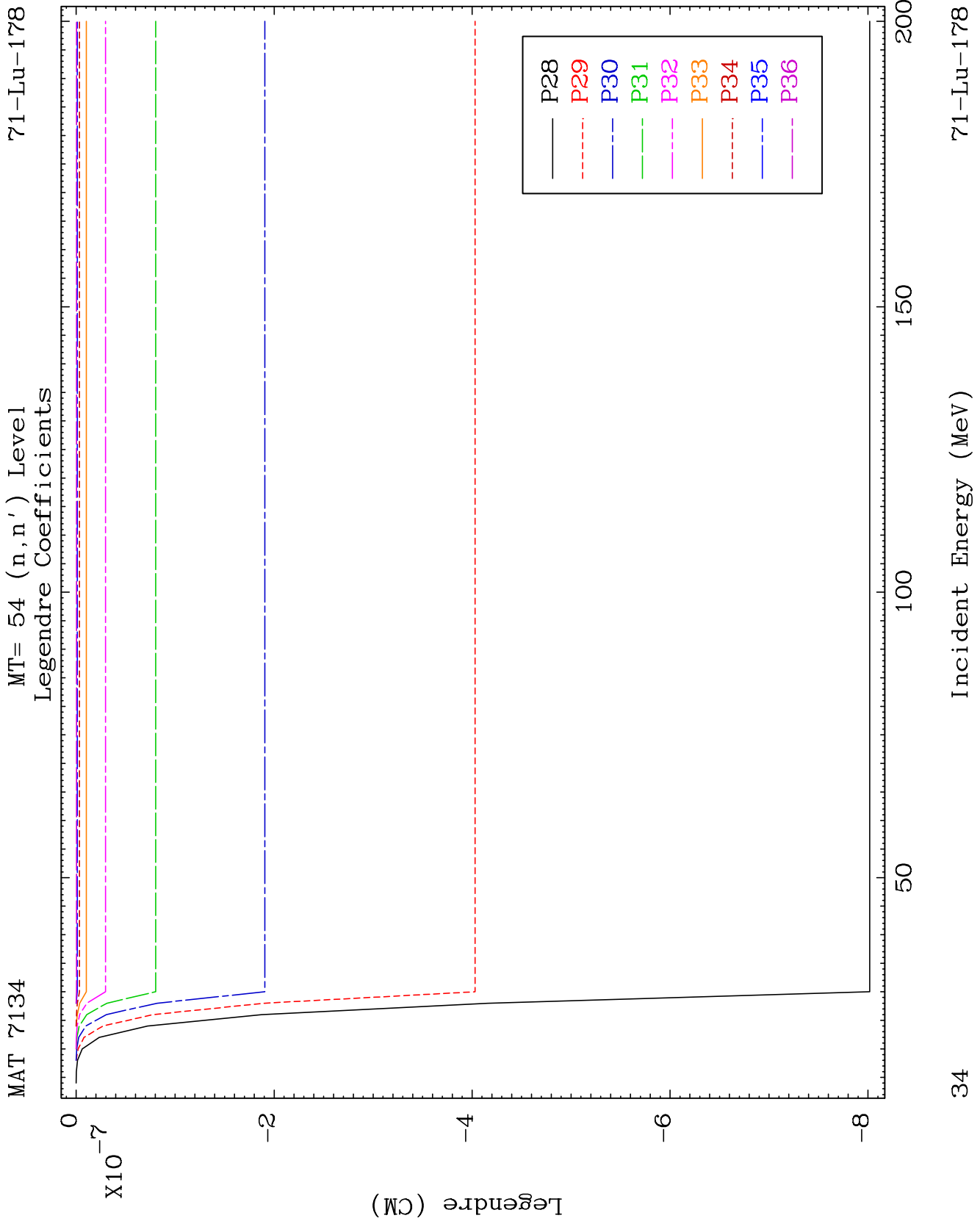


32

Incident Energy (MeV)

71-Lu-178

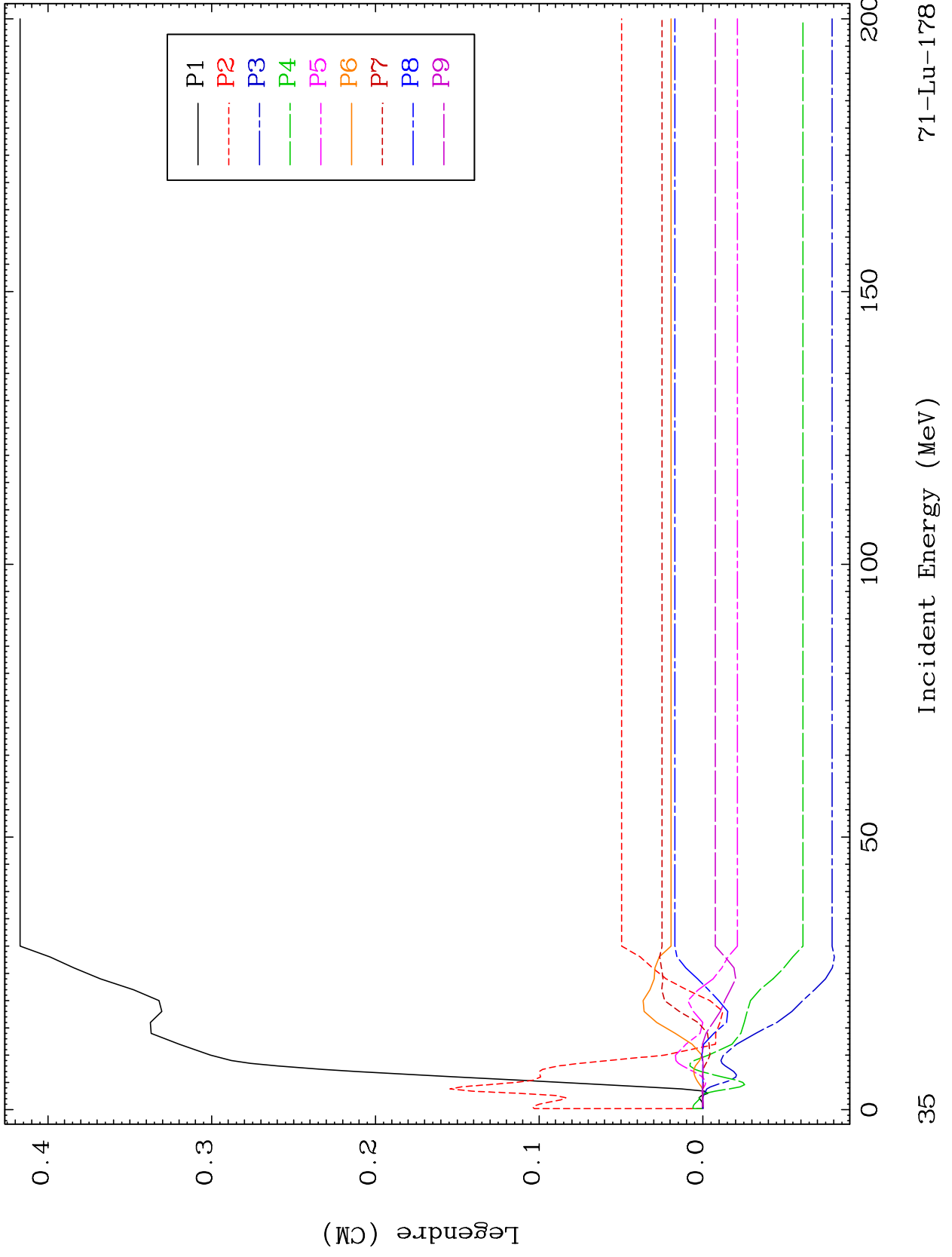




MAT 7134

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

71-Lu-178



71-Lu-178

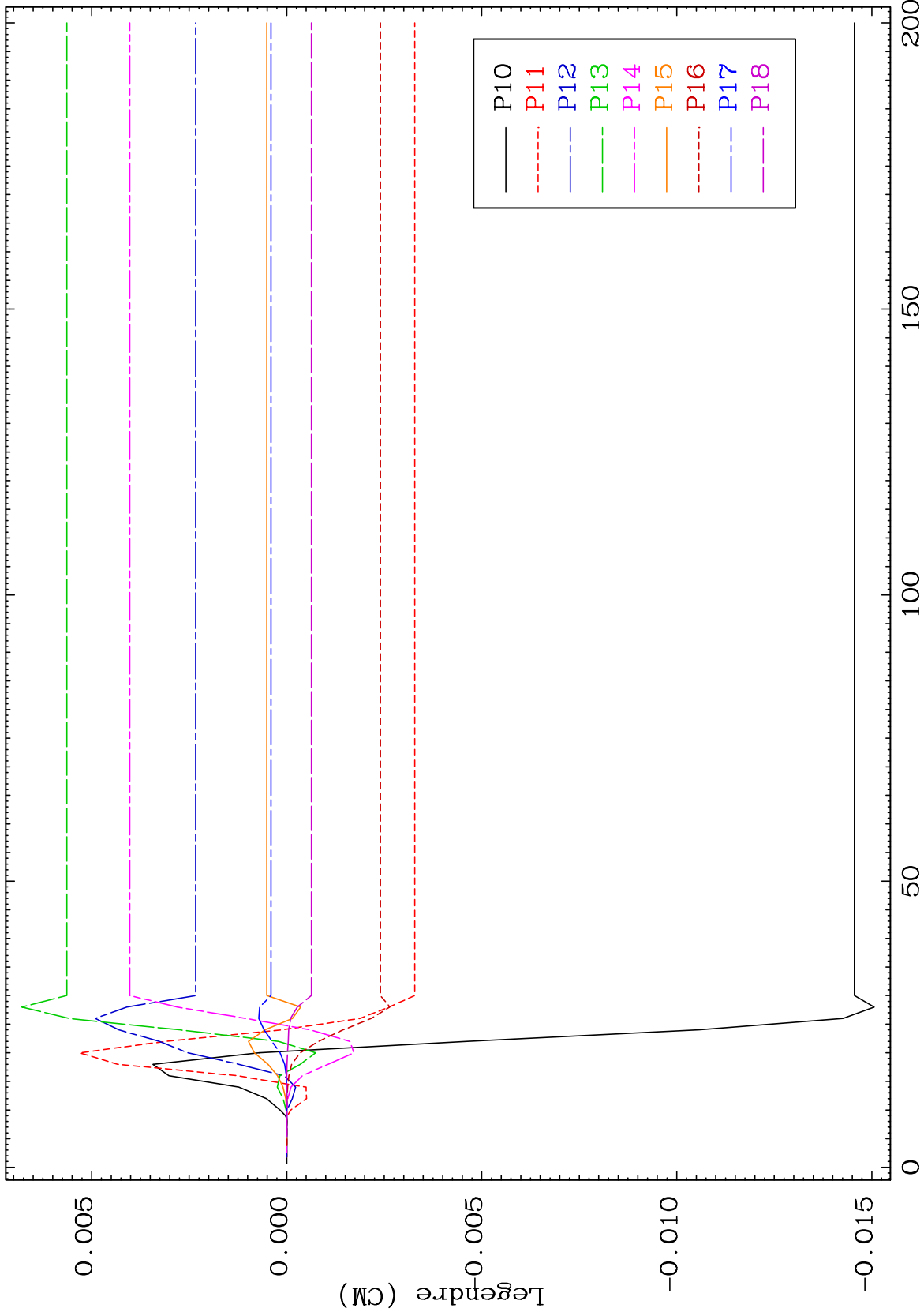
Incident Energy (MeV)

35

MAT 7134

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

71-Lu-178



36

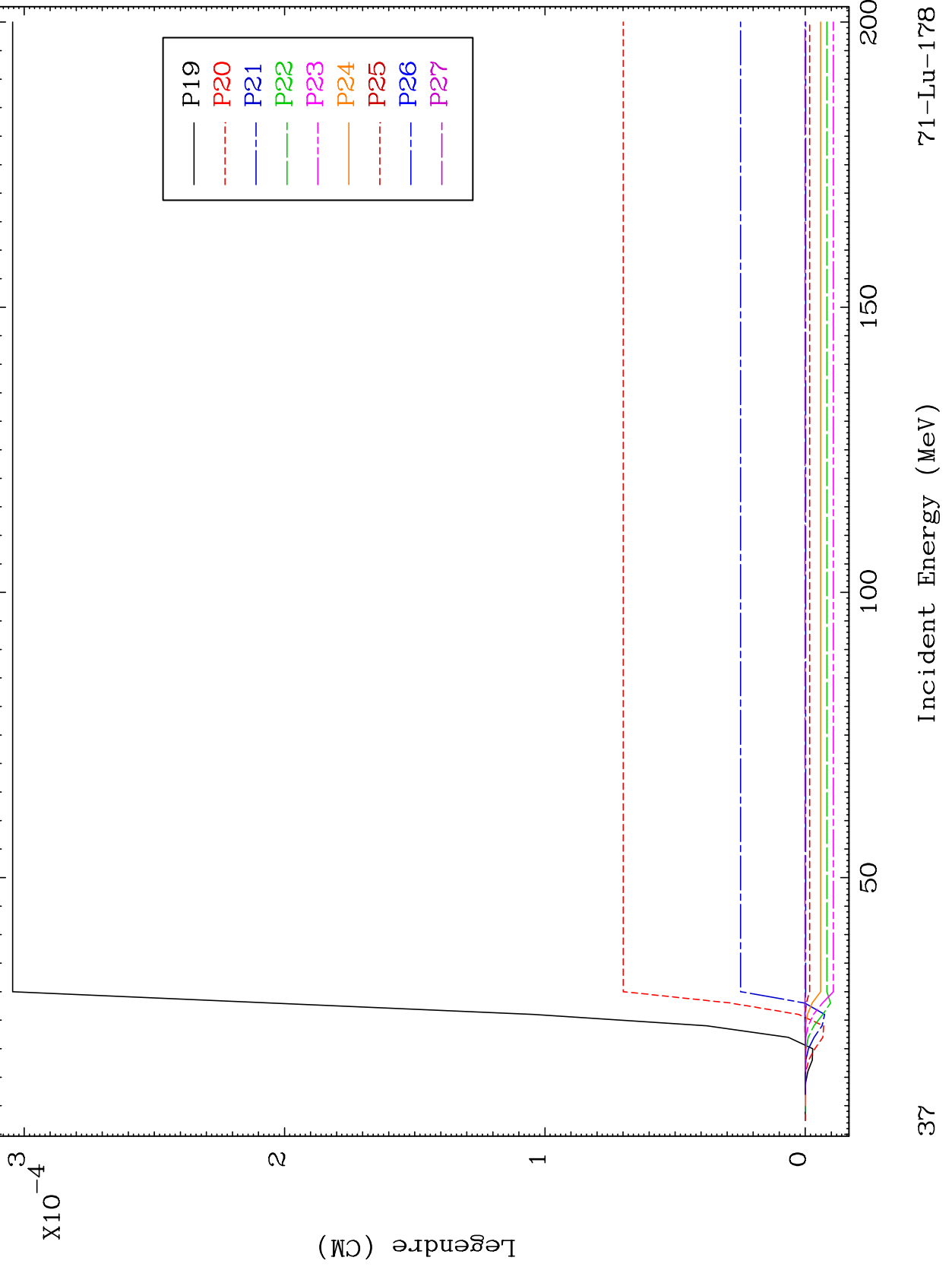
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

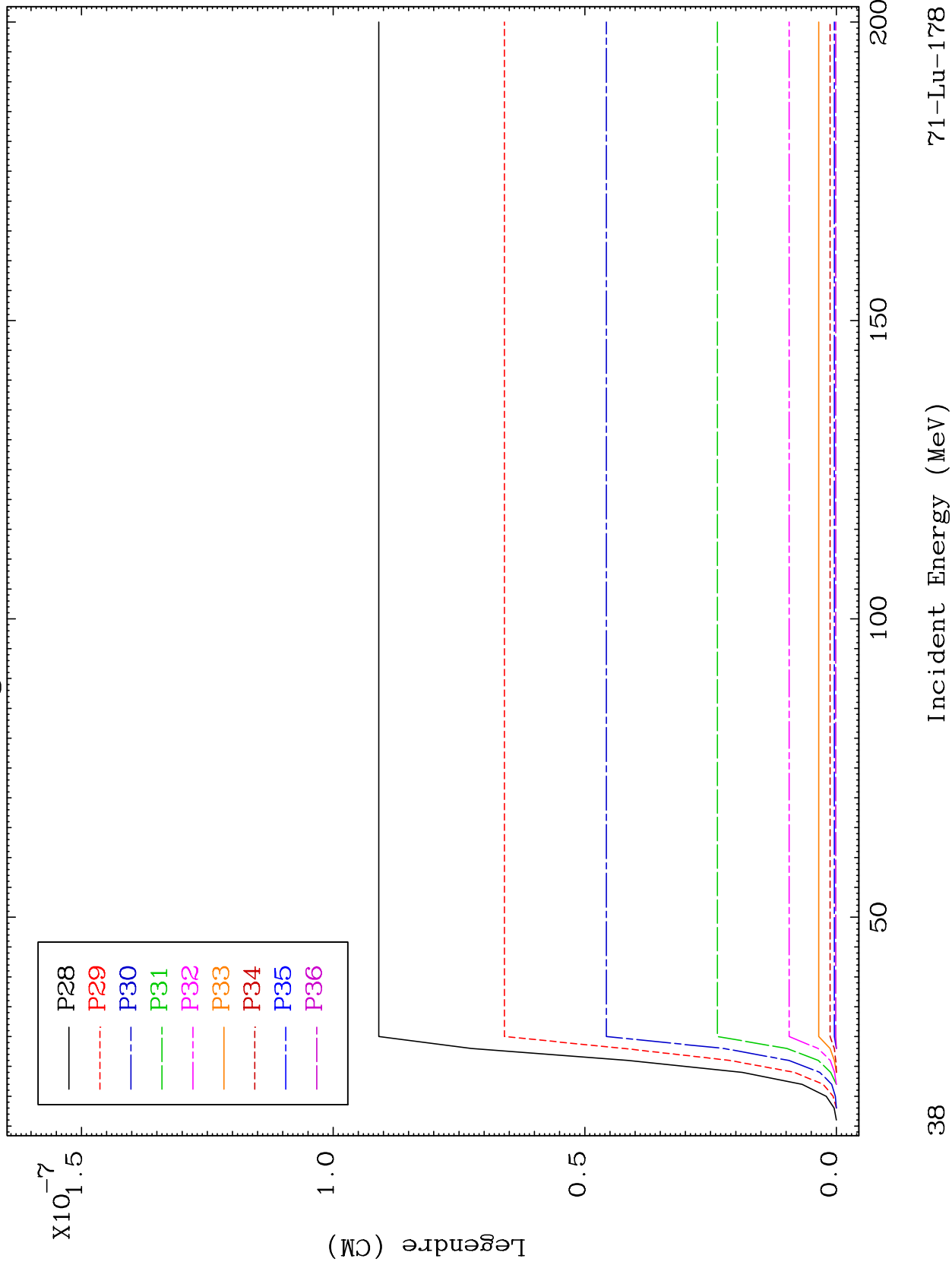
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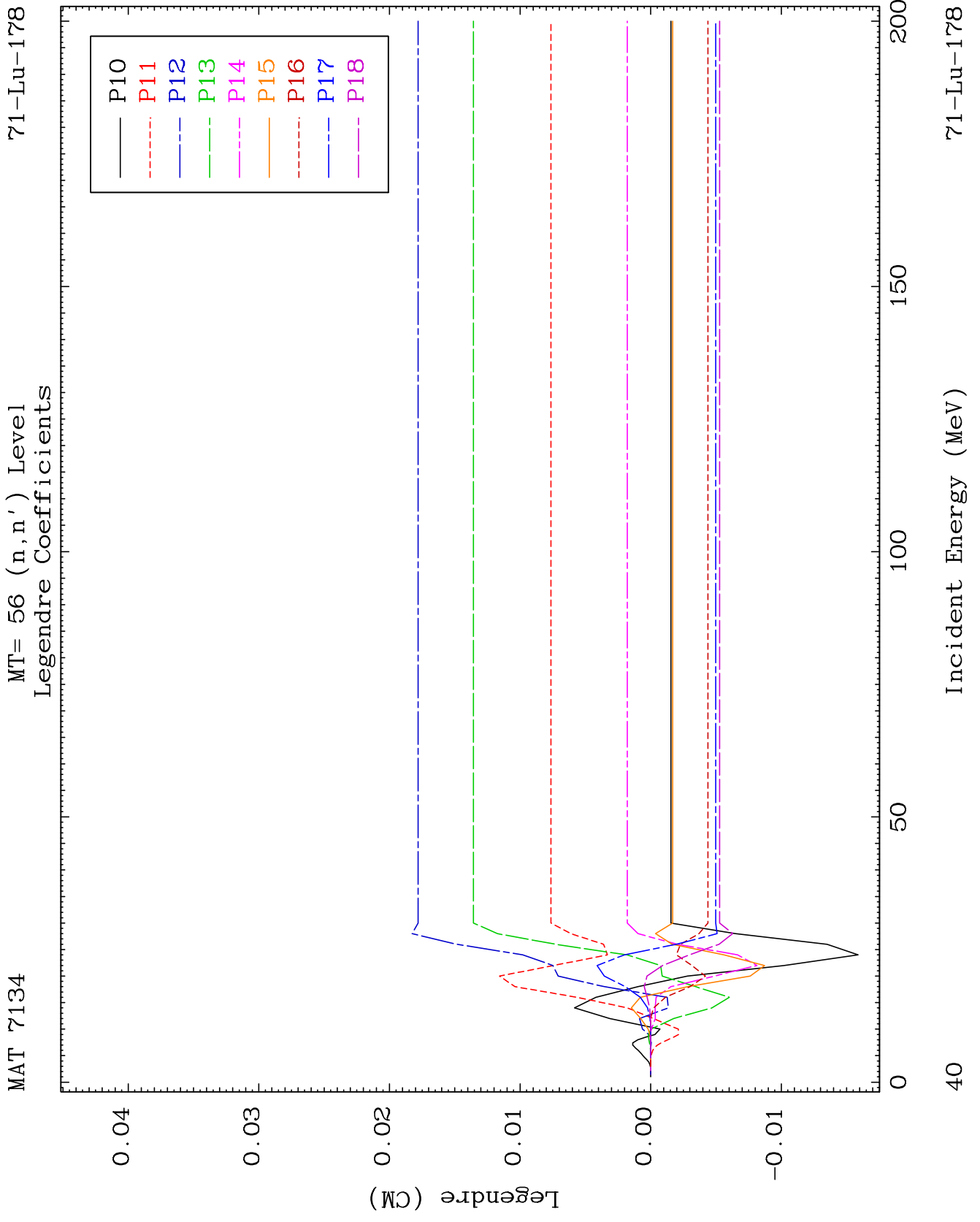


MAT 7134

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

71-Lu-178

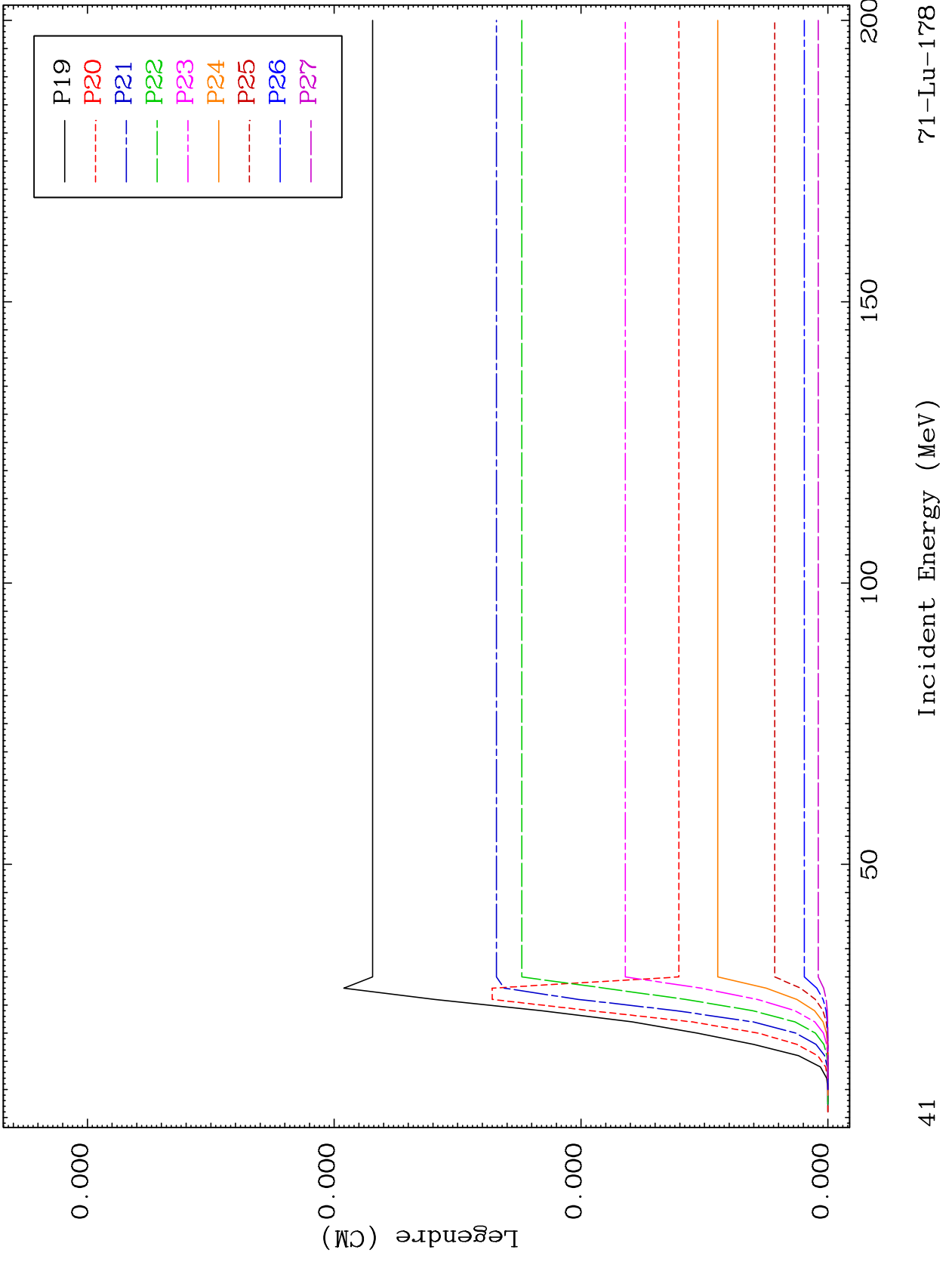




MAT 7134

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

71-Lu-178



41

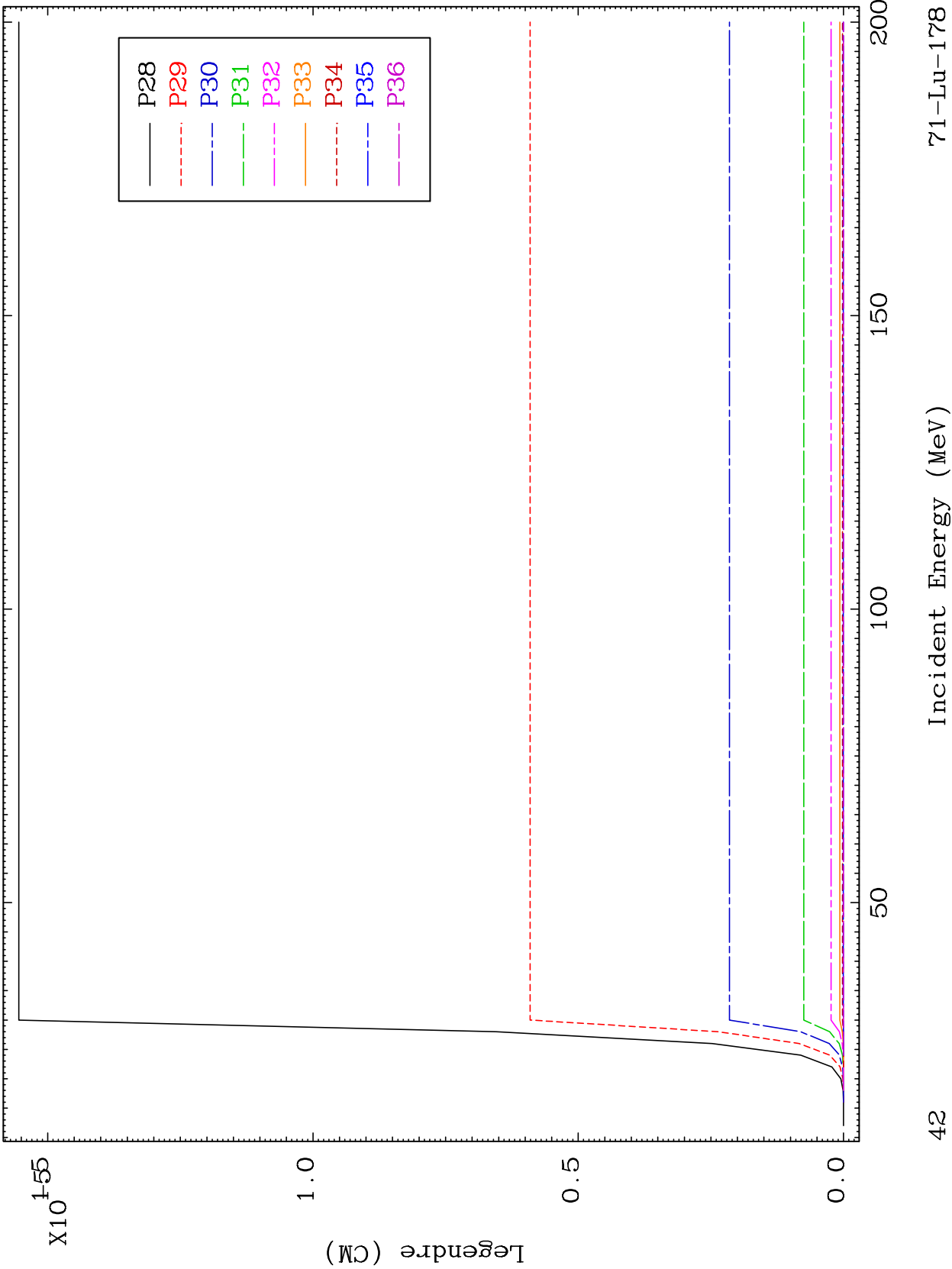
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178



42

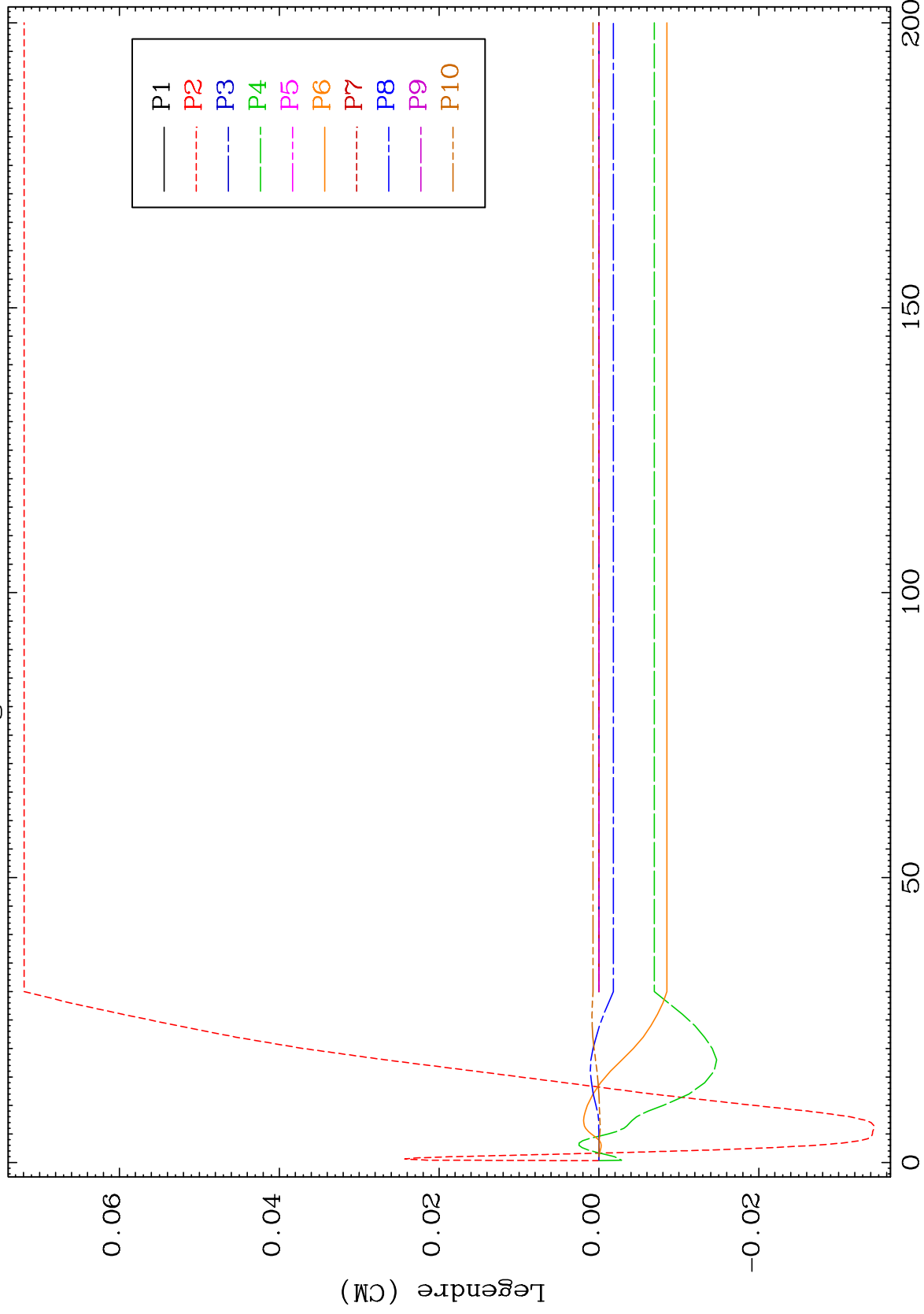
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

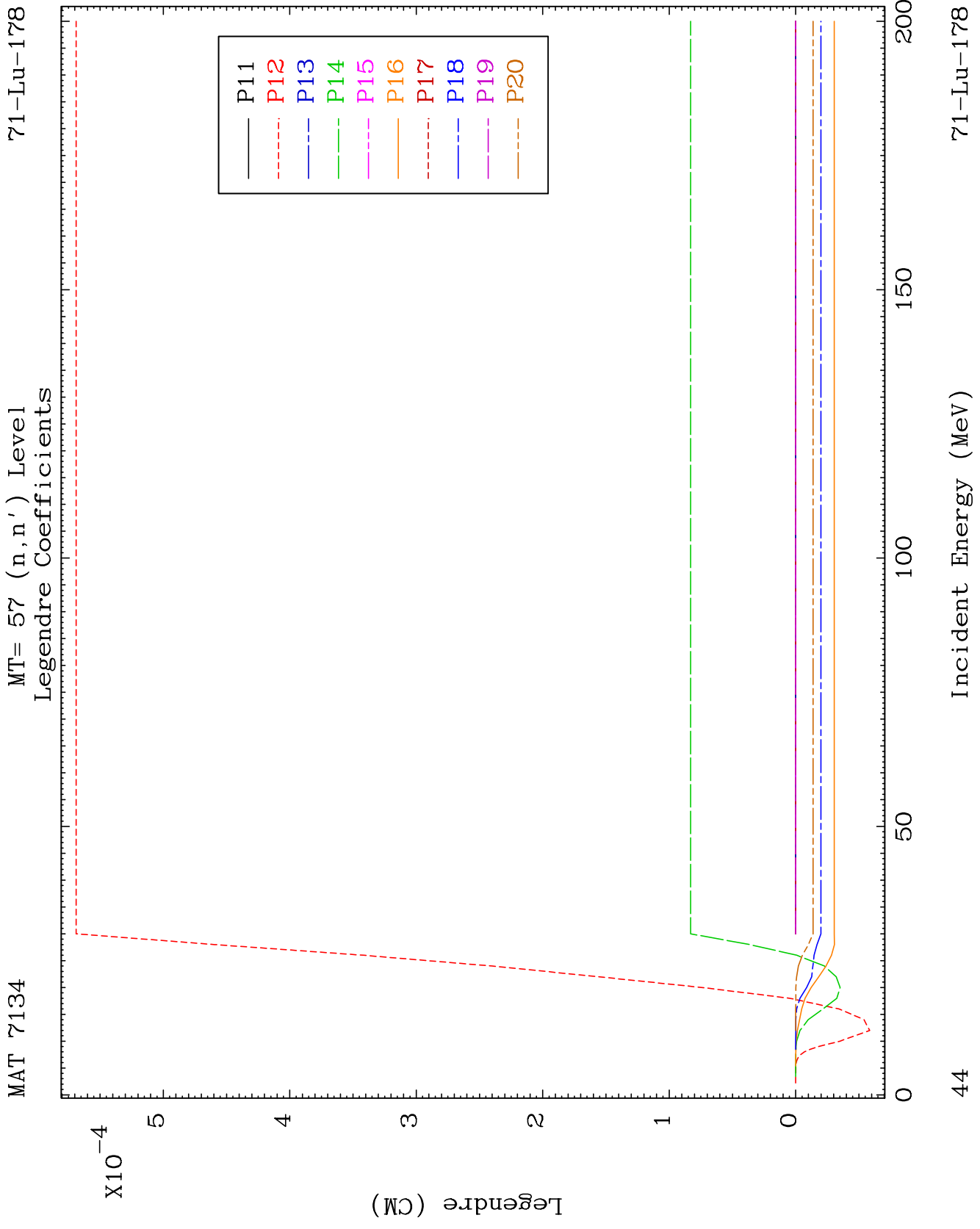
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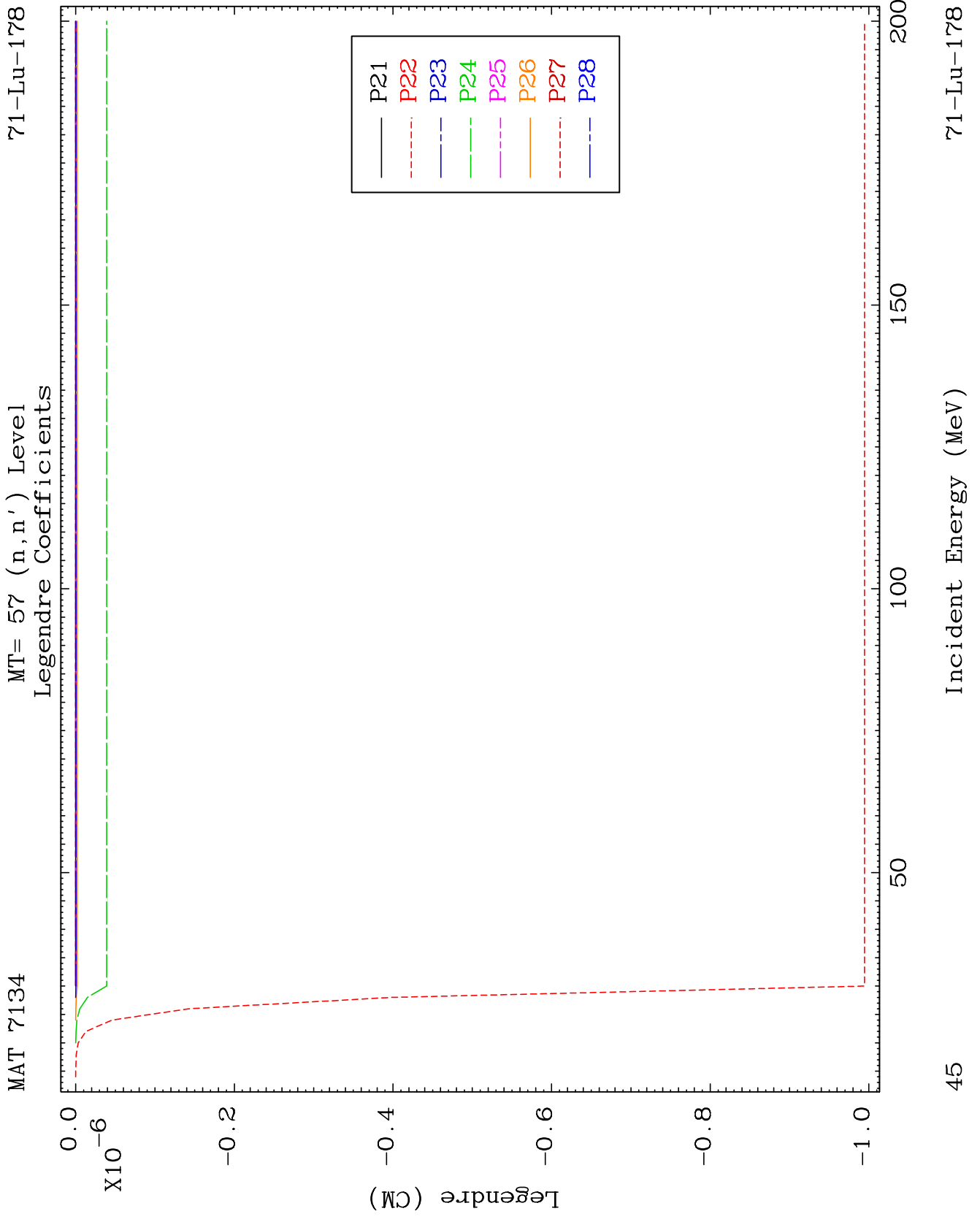


71-Lu-178

Incident Energy (MeV)

43

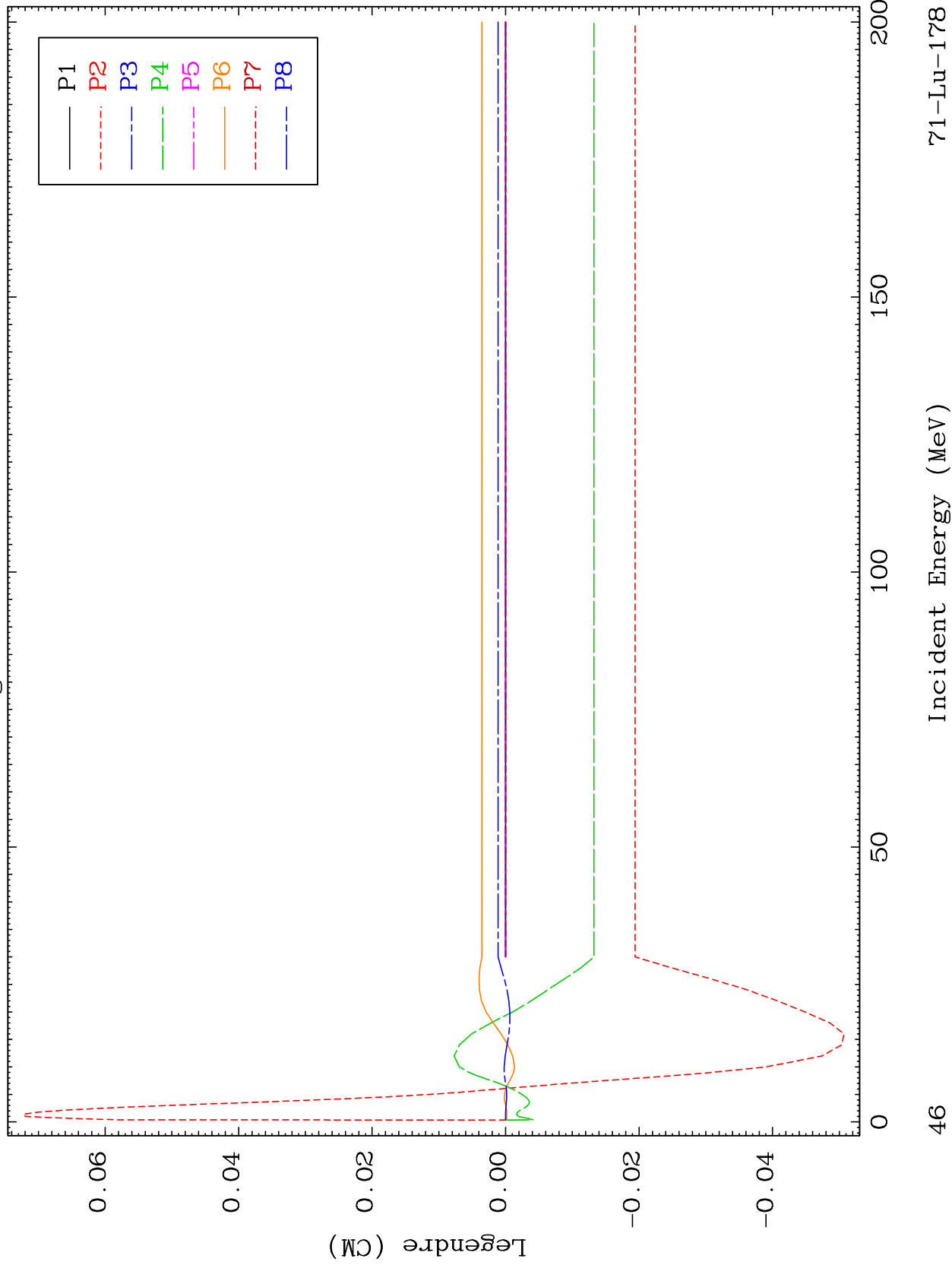




MAT 7134

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

71-Lu-178



71-Lu-178

Incident Energy (MeV)

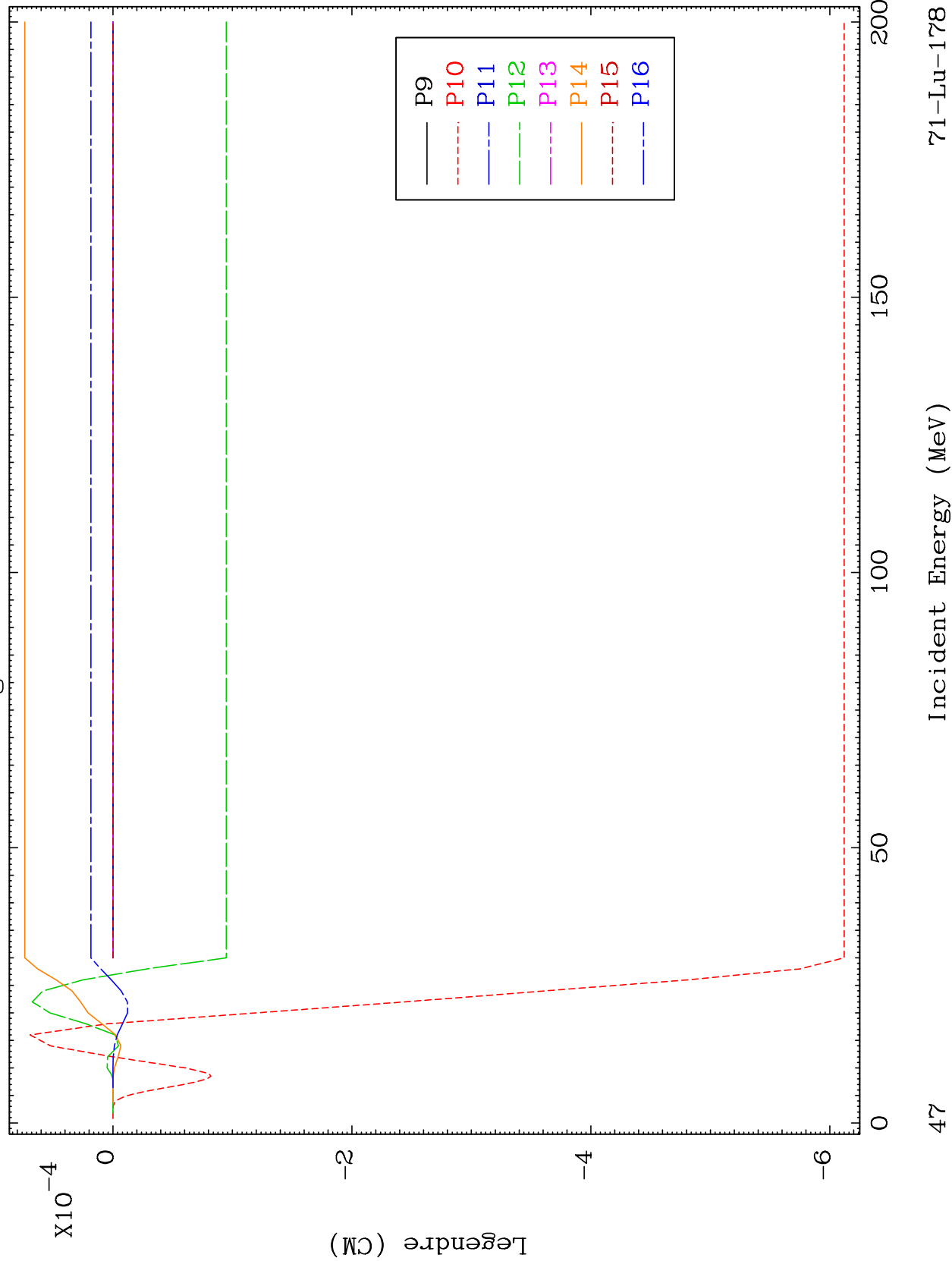
46

MAT 7134

MT= 58 (n,n') Level

71-Lu-178

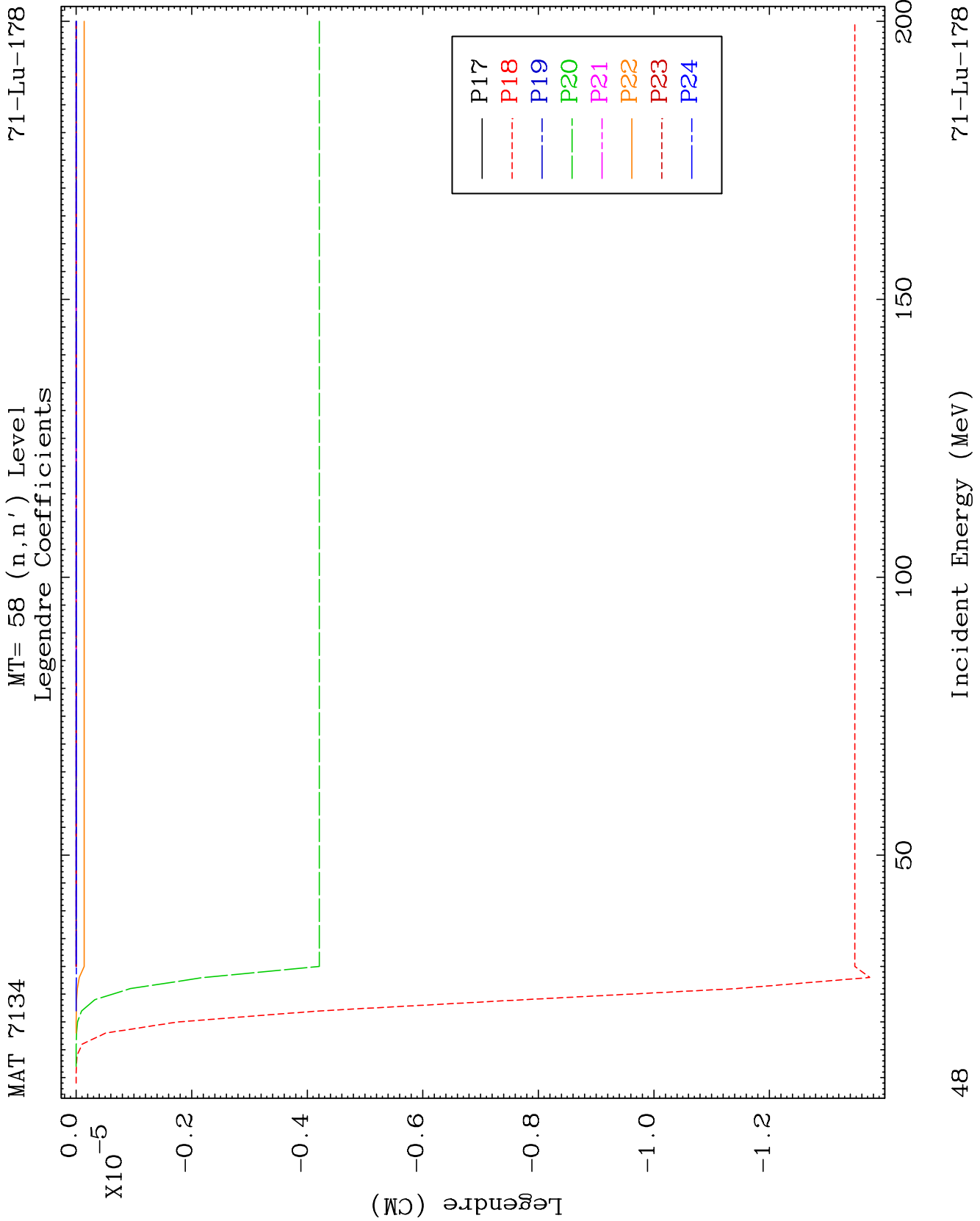
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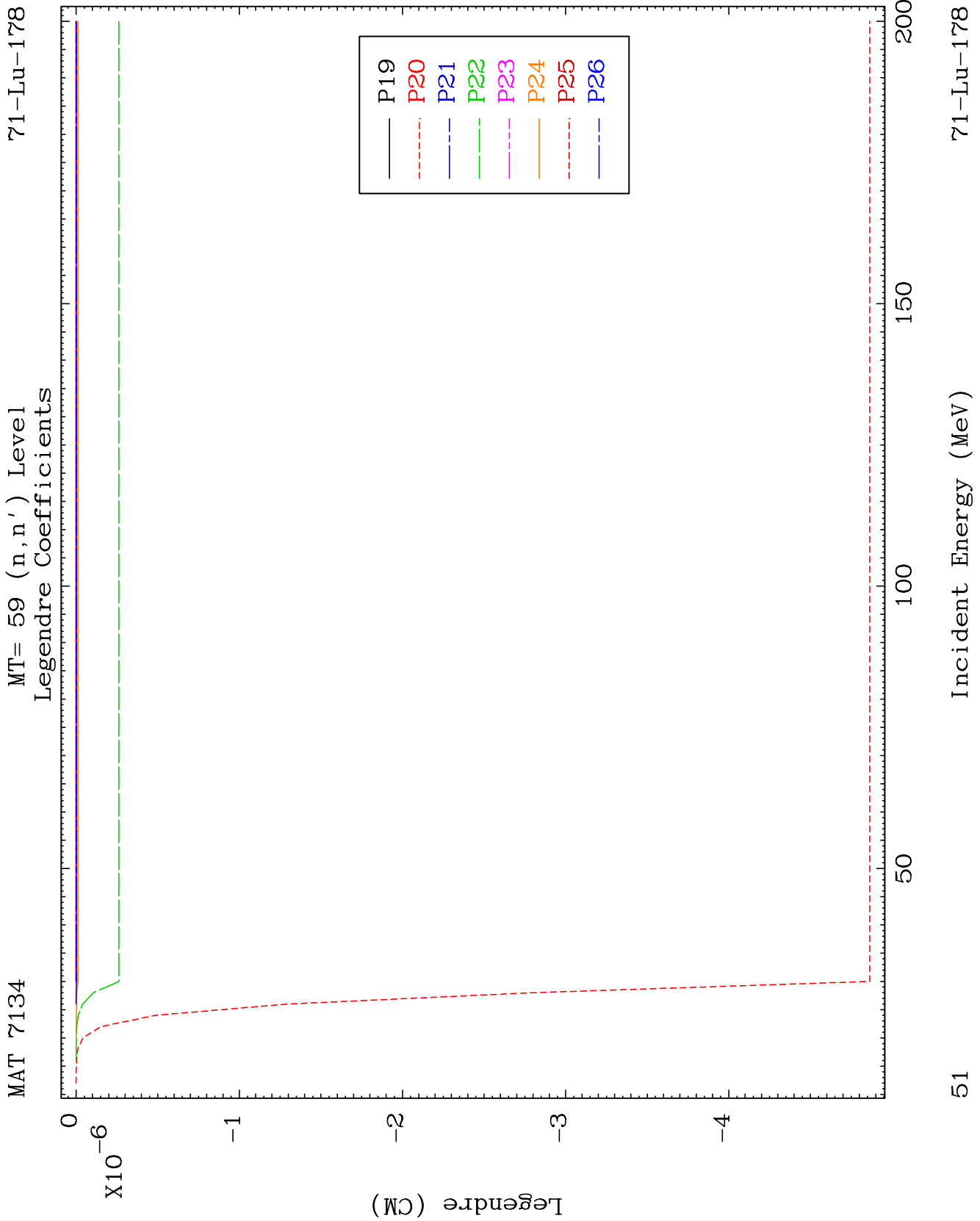


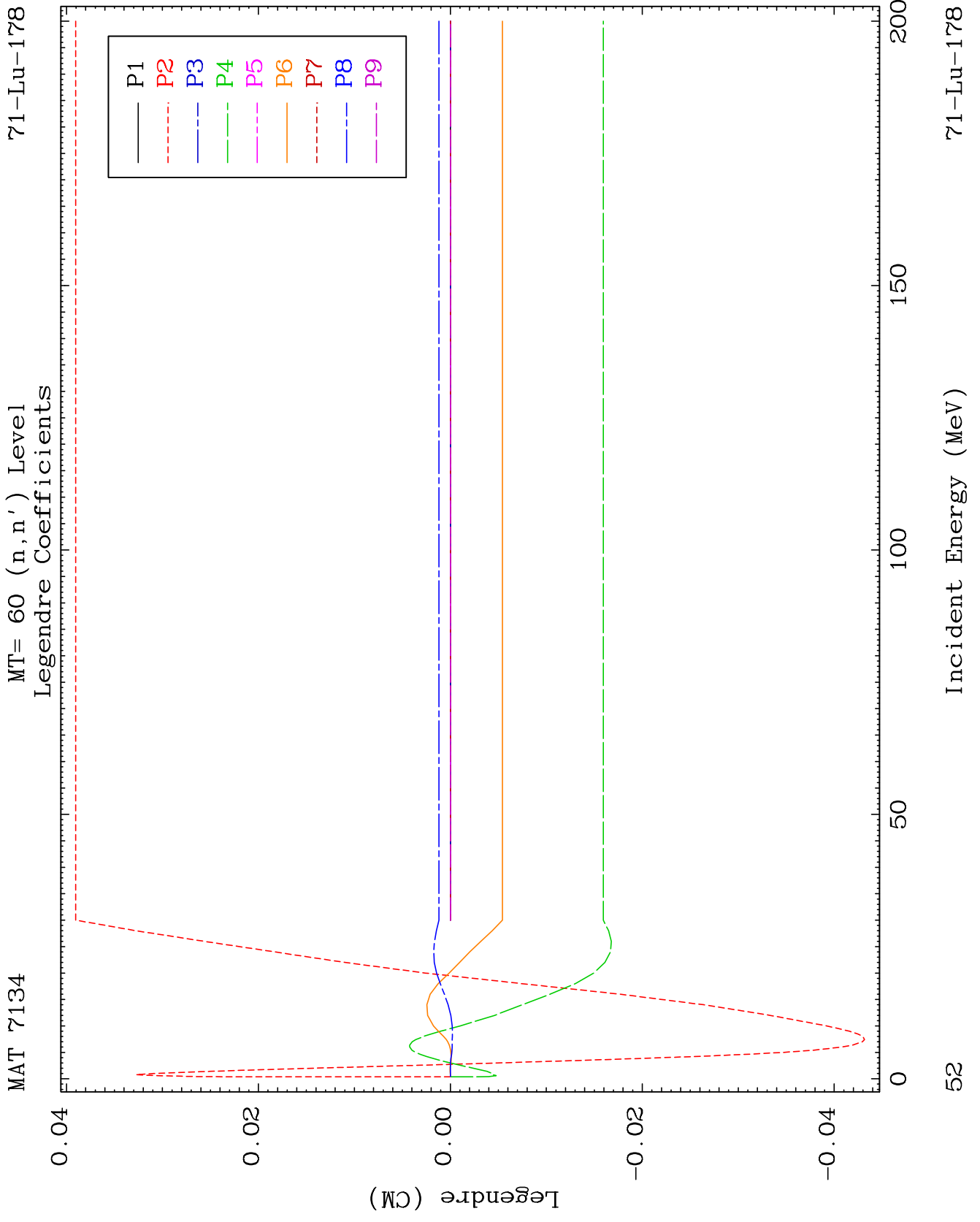
47

Incident Energy (MeV)

71-Lu-178



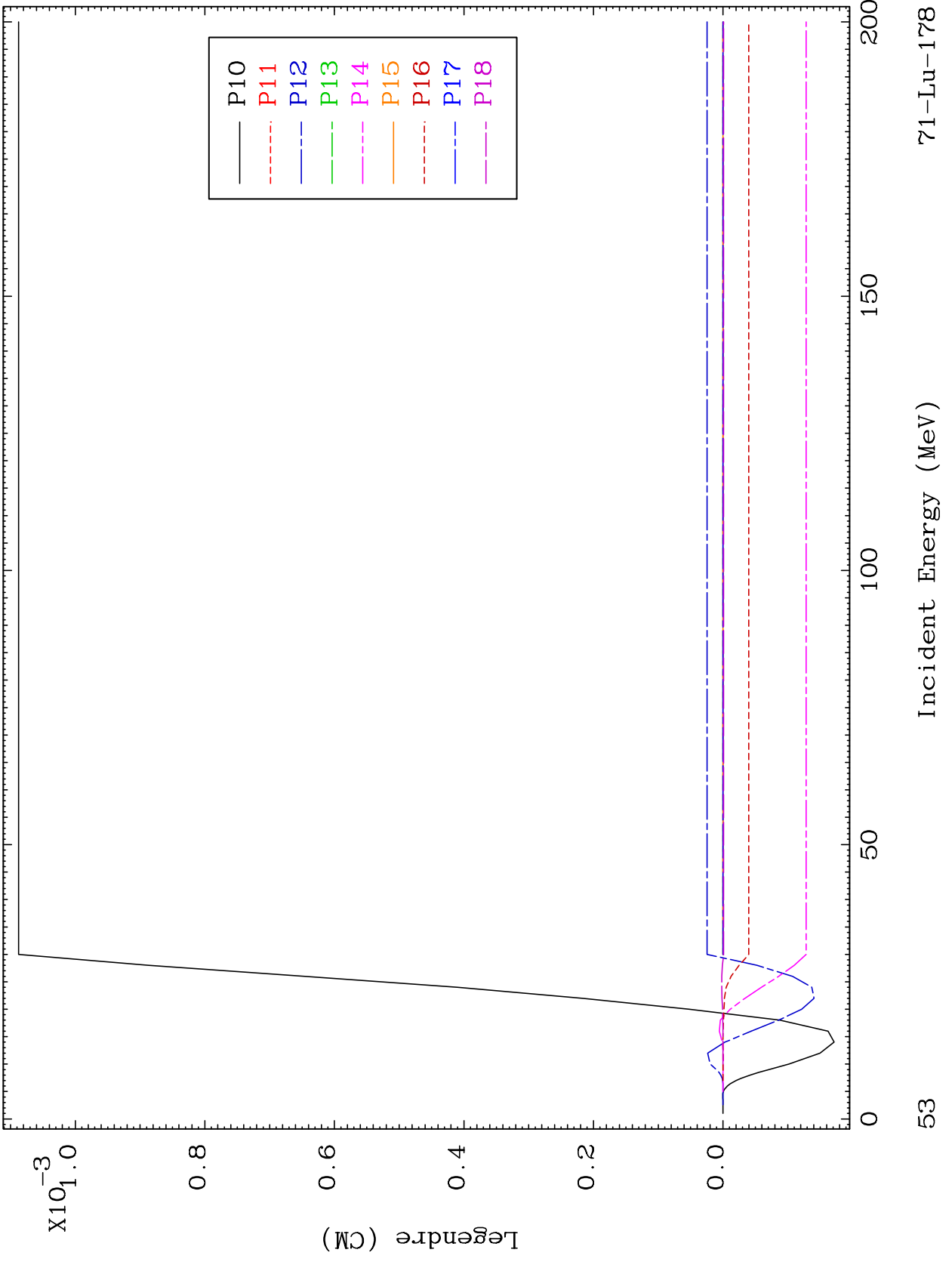




MAT 7134

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

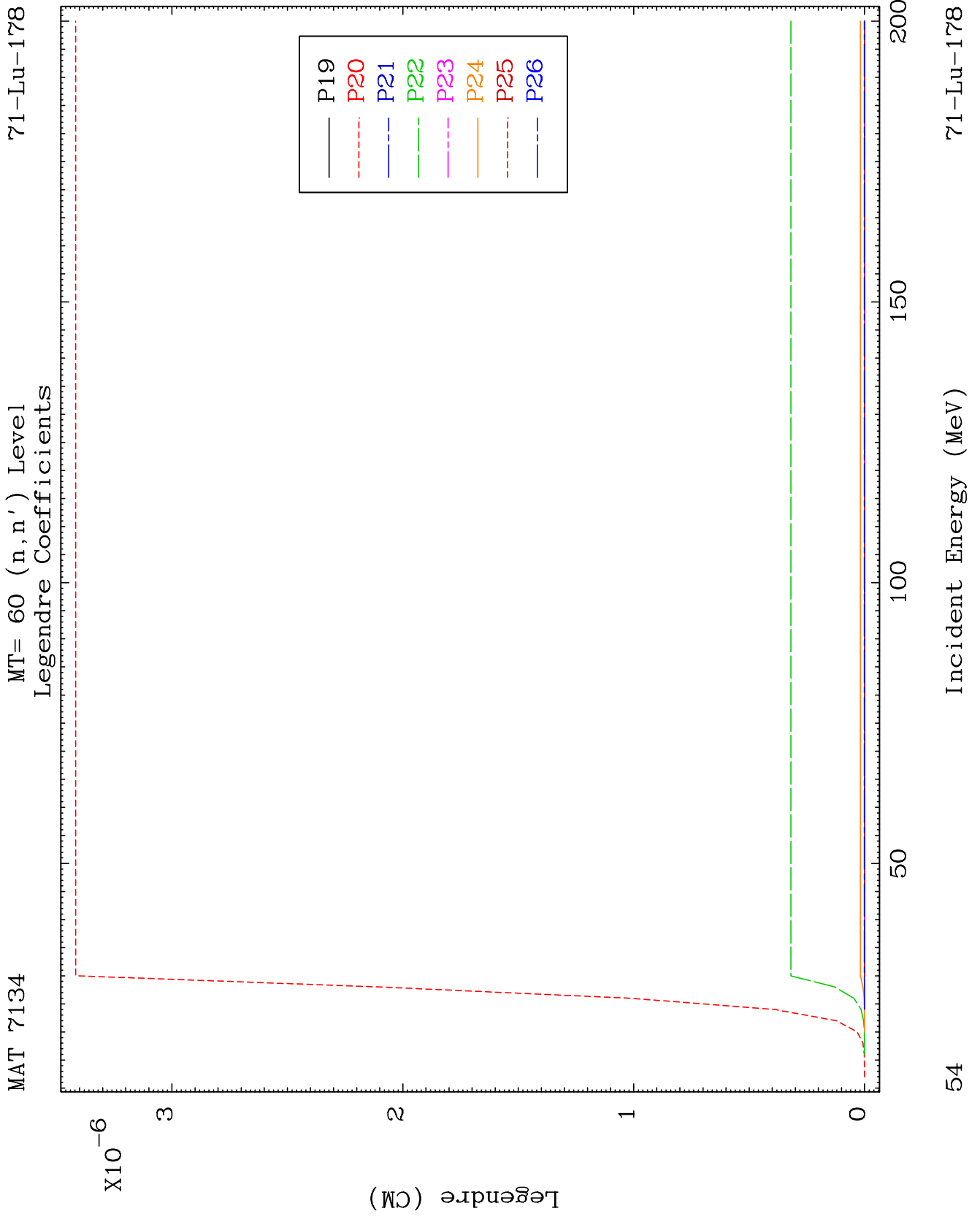
71-Lu-178

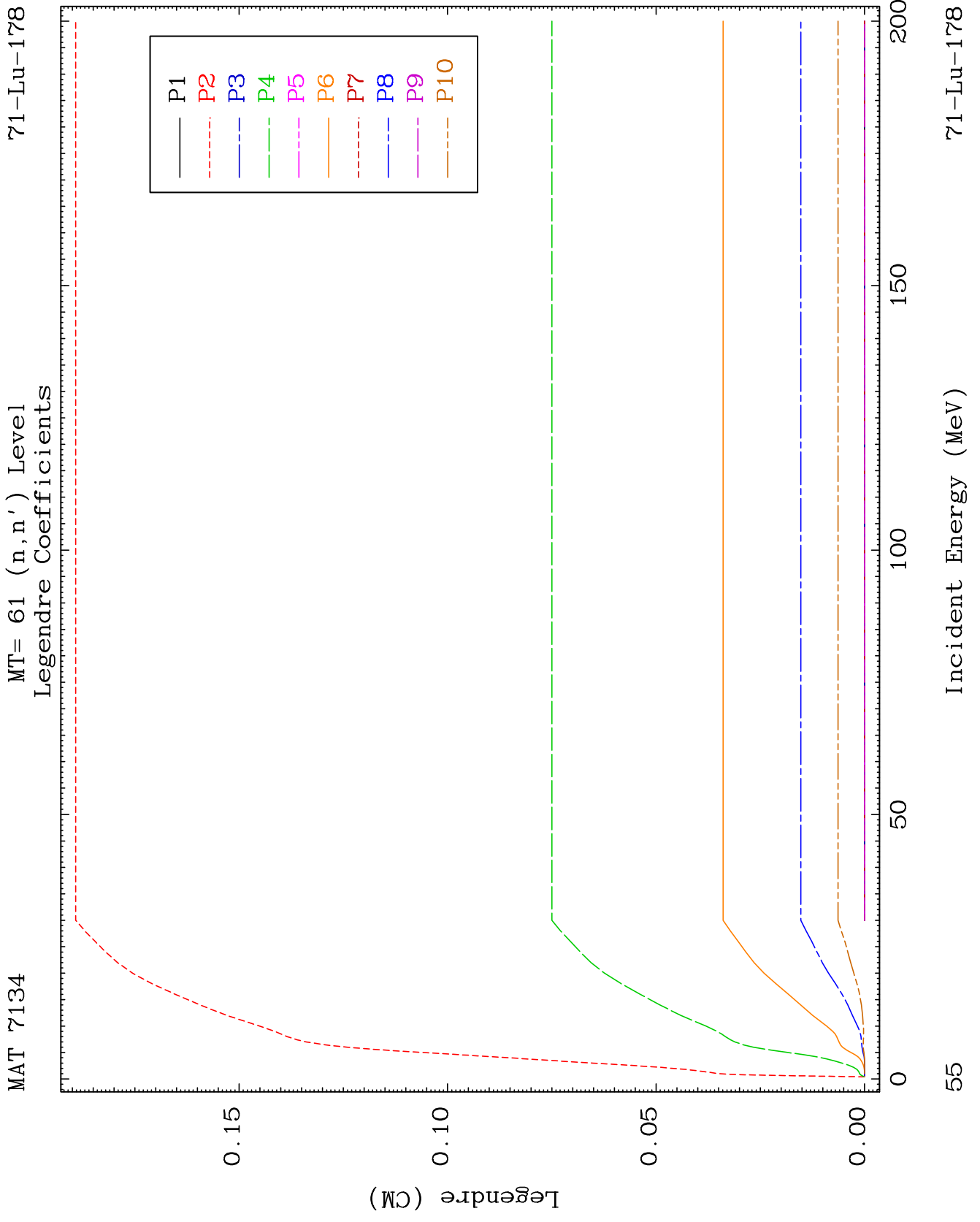


53

Incident Energy (MeV)

71-Lu-178

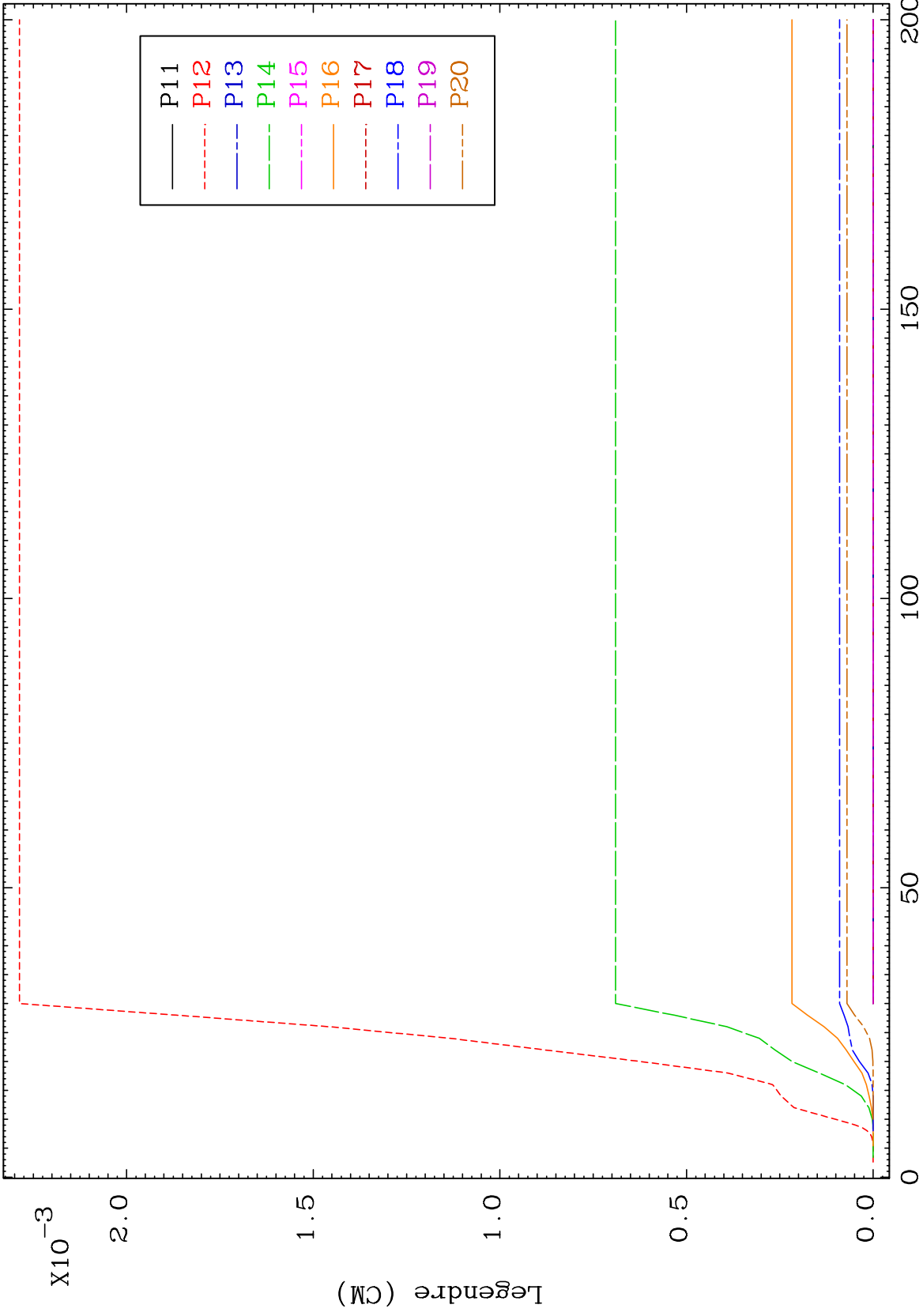




MAT 7134

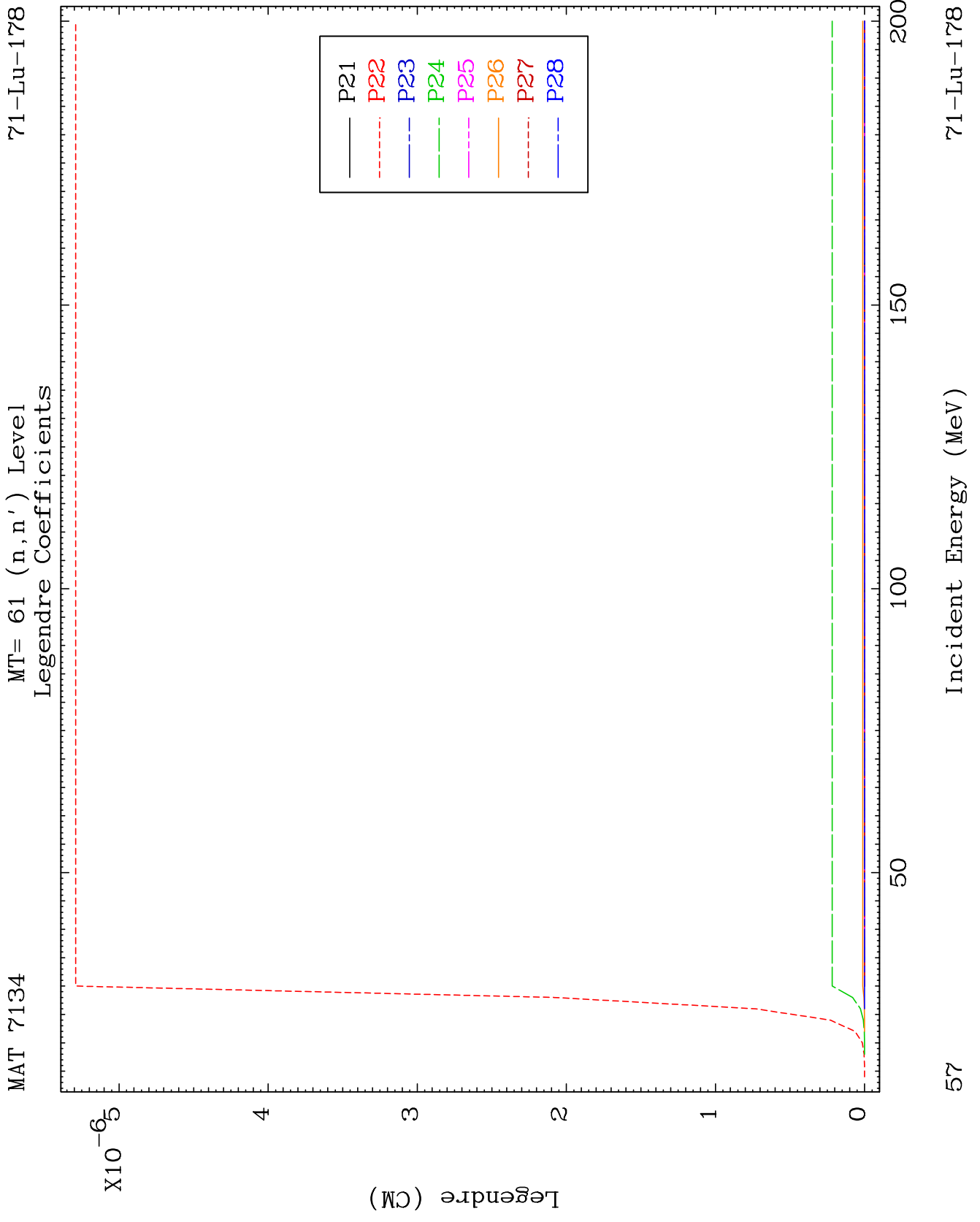
MT= 61 (n,n') Level
Legendre Coefficients

71-Lu-178



56

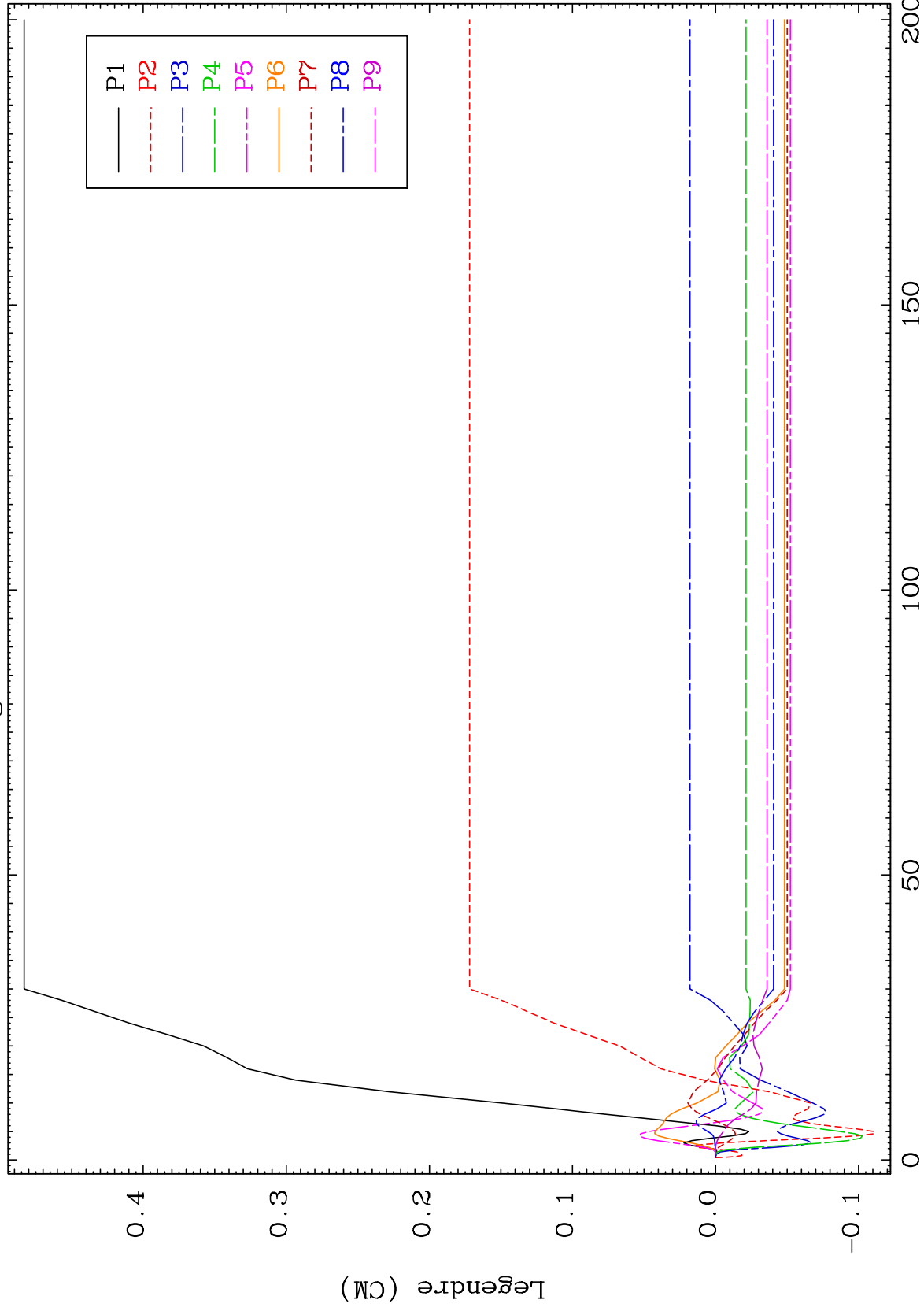
71-Lu-178



MAT 7134

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

71-Lu-178



71-Lu-178

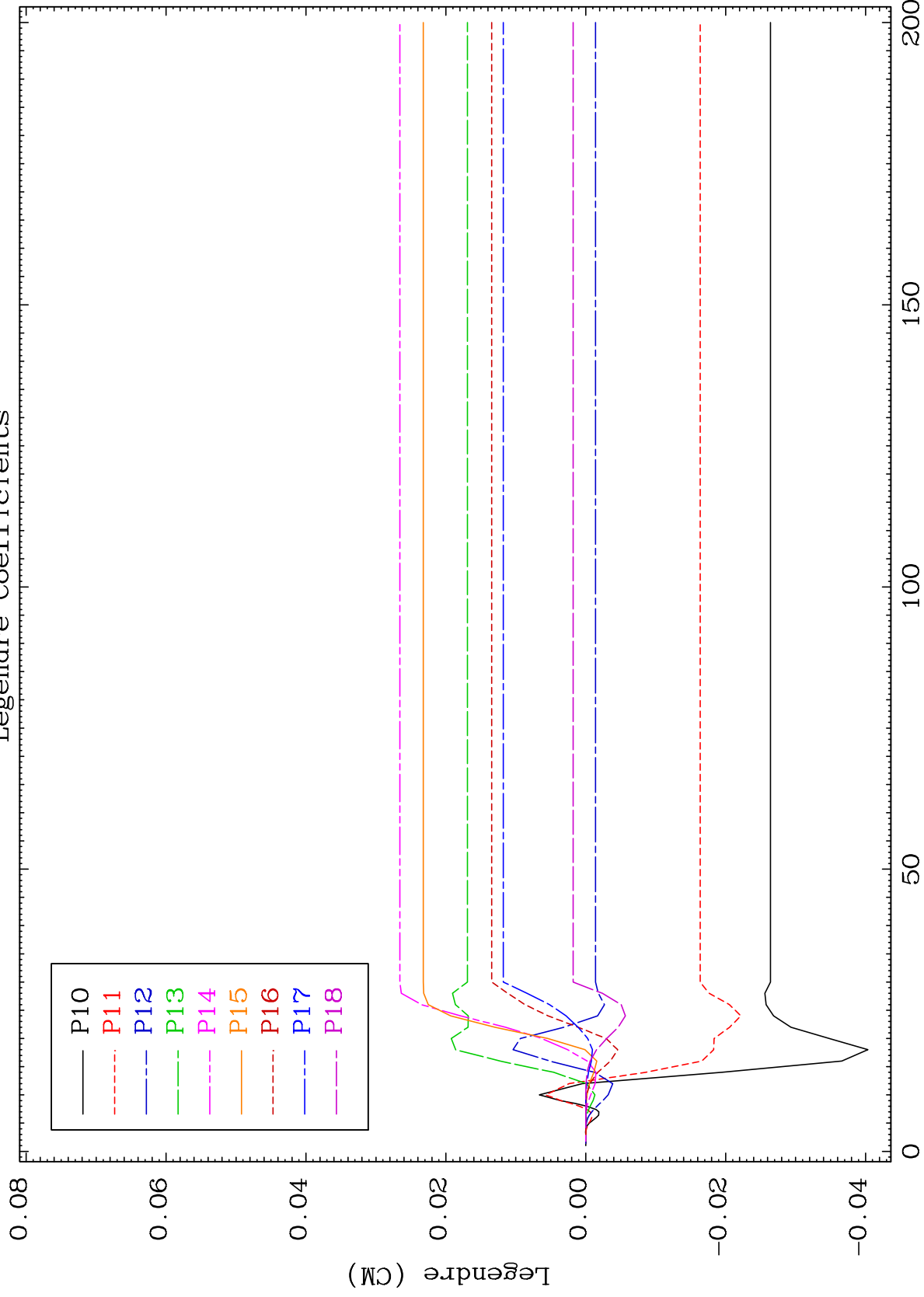
Incident Energy (MeV)

58

MAT 7134

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

71-Lu-178



59

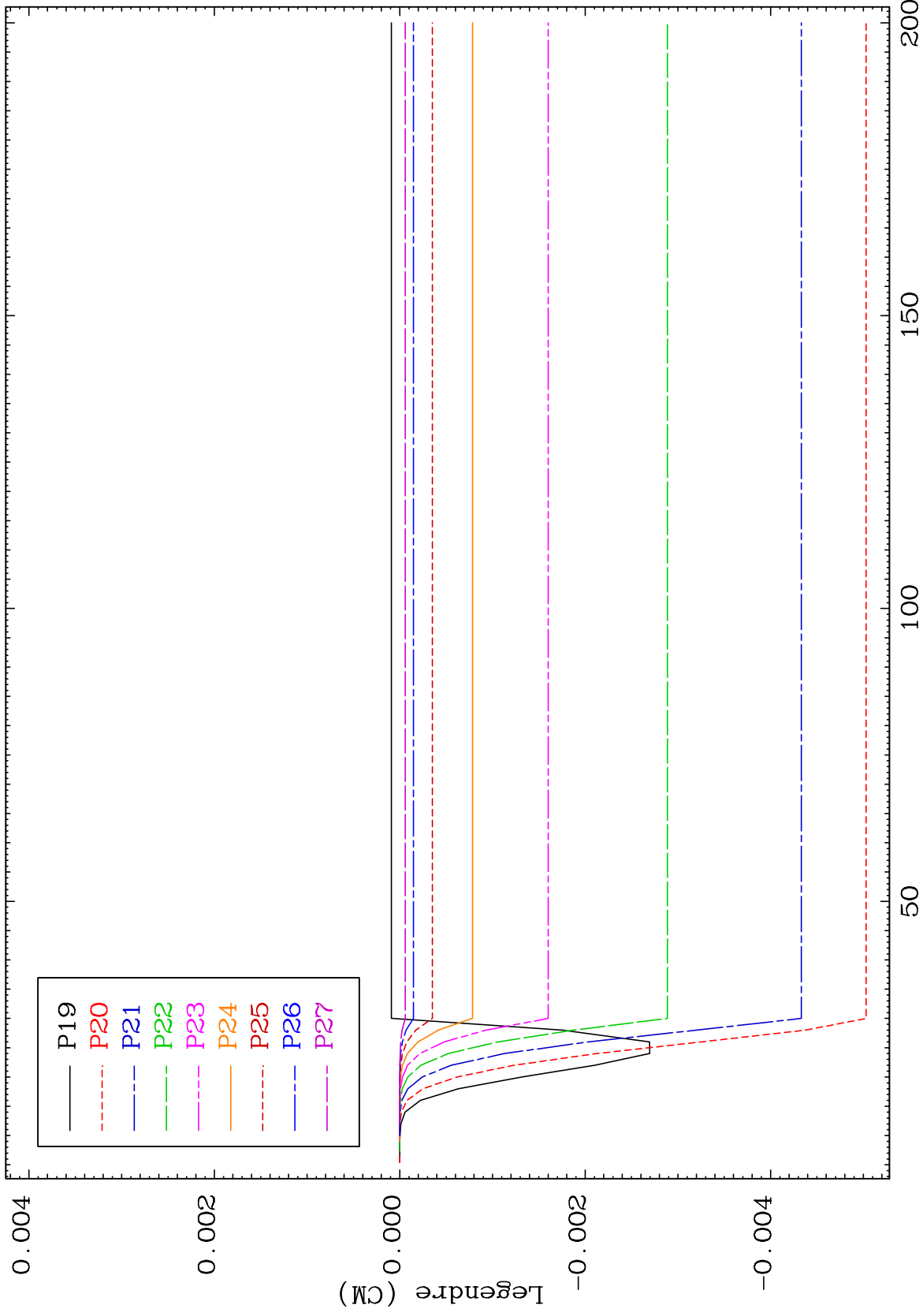
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

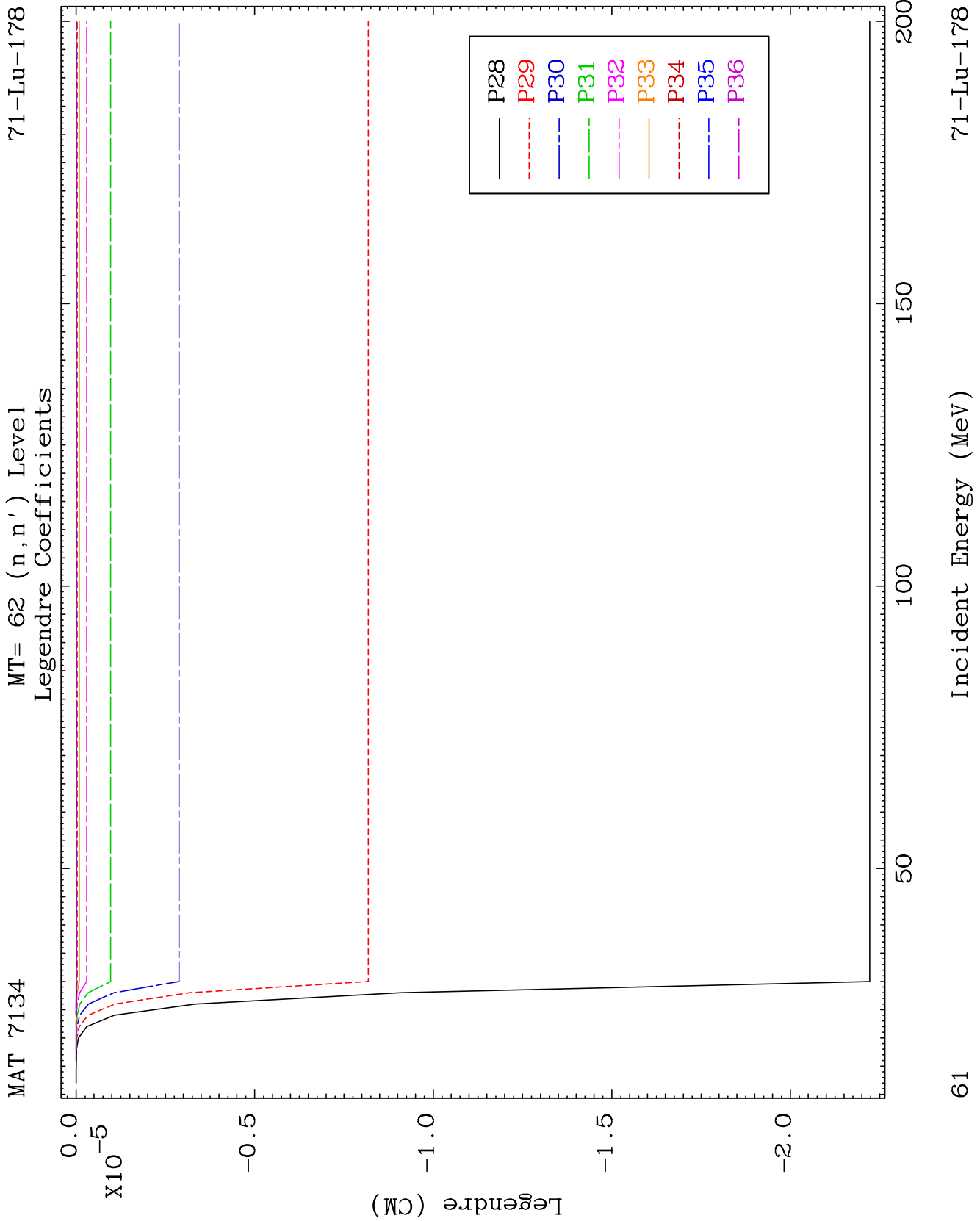
71-Lu-178



60

Incident Energy (MeV)

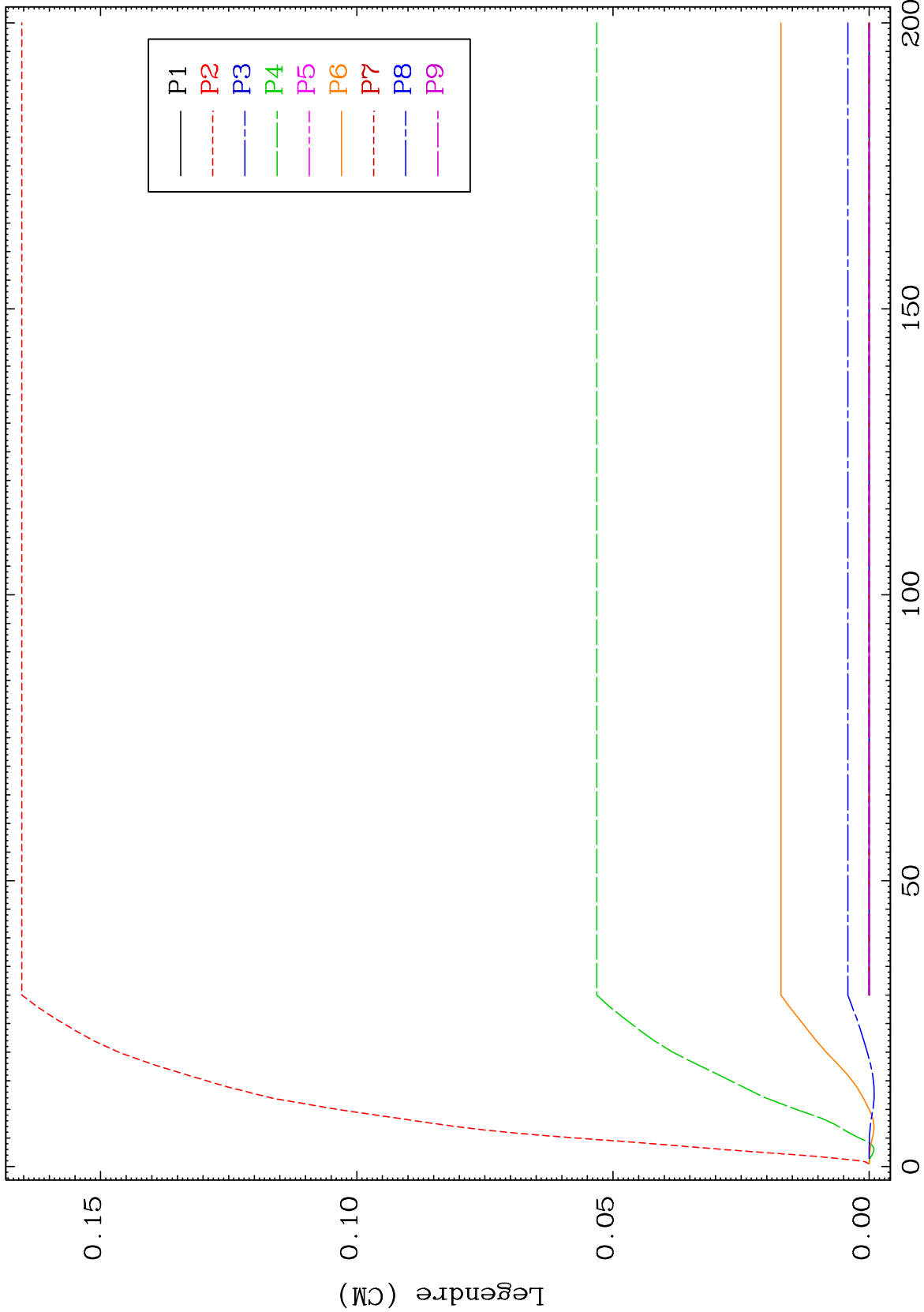
71-Lu-178



MAT 7134

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

71-Lu-178



71-Lu-178

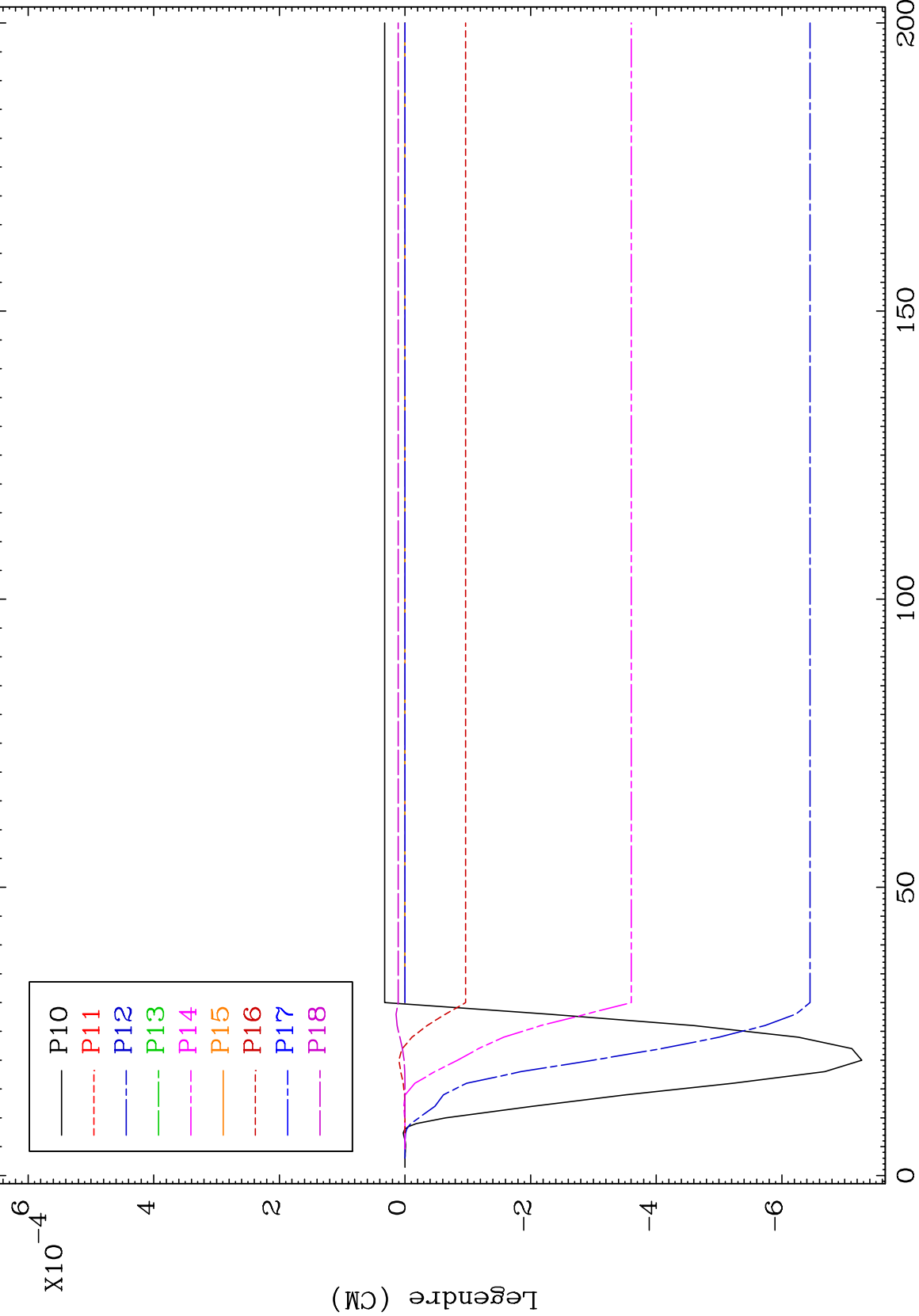
Incident Energy (MeV)

62

MAT 7134

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

71-Lu-178



63

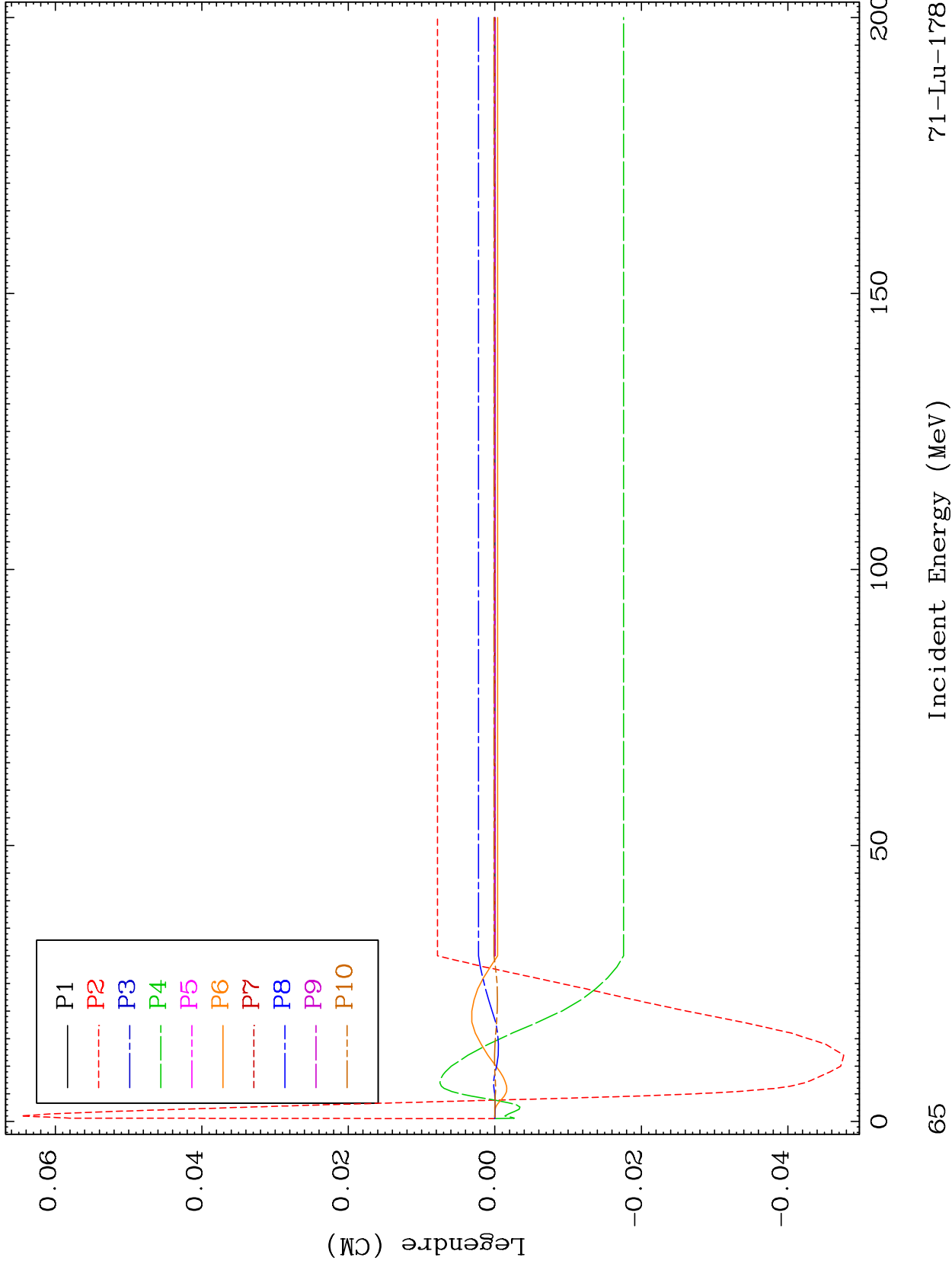
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178

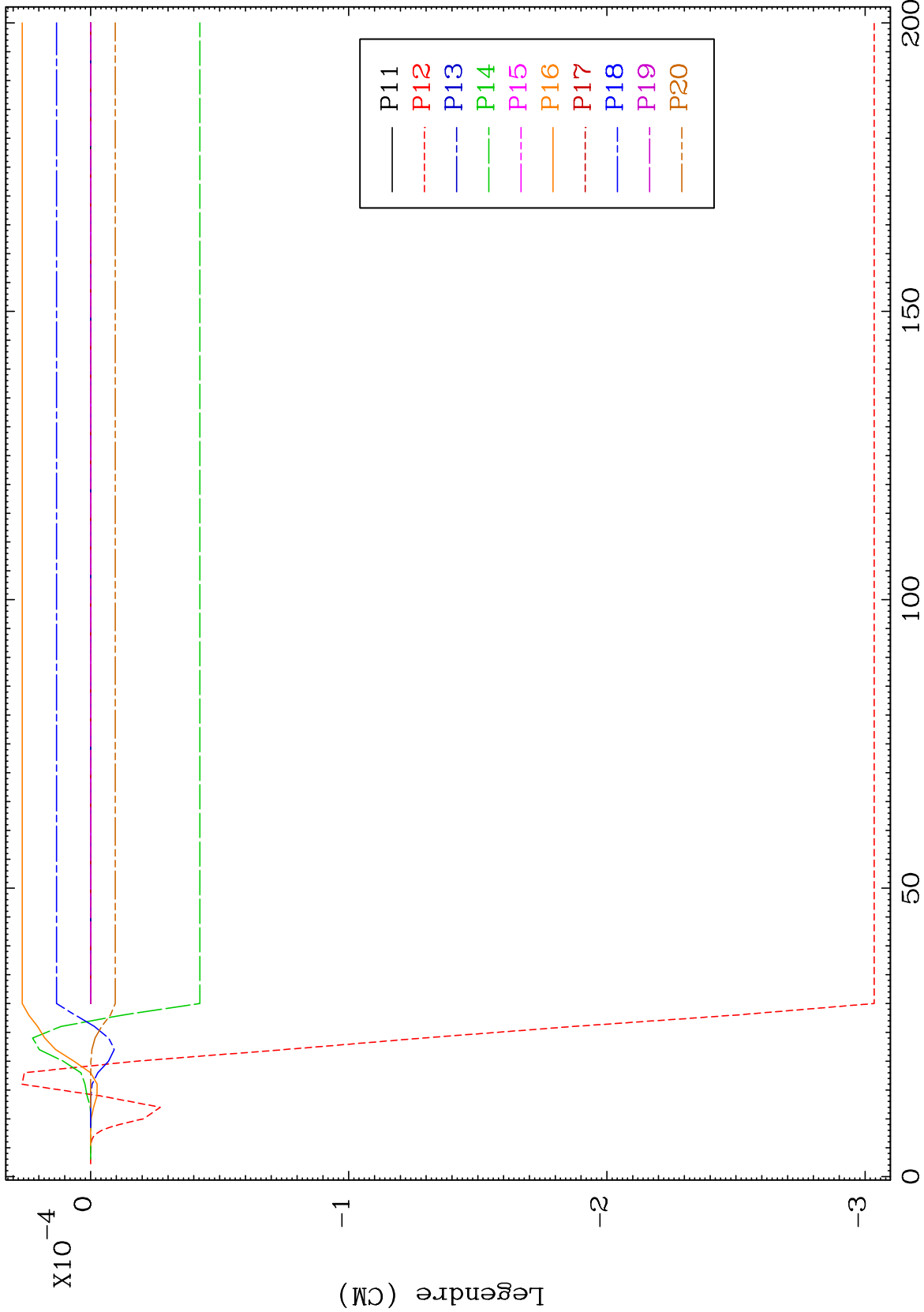


MAT 7134

MT= 64 (n,n') Level

71-Lu-178

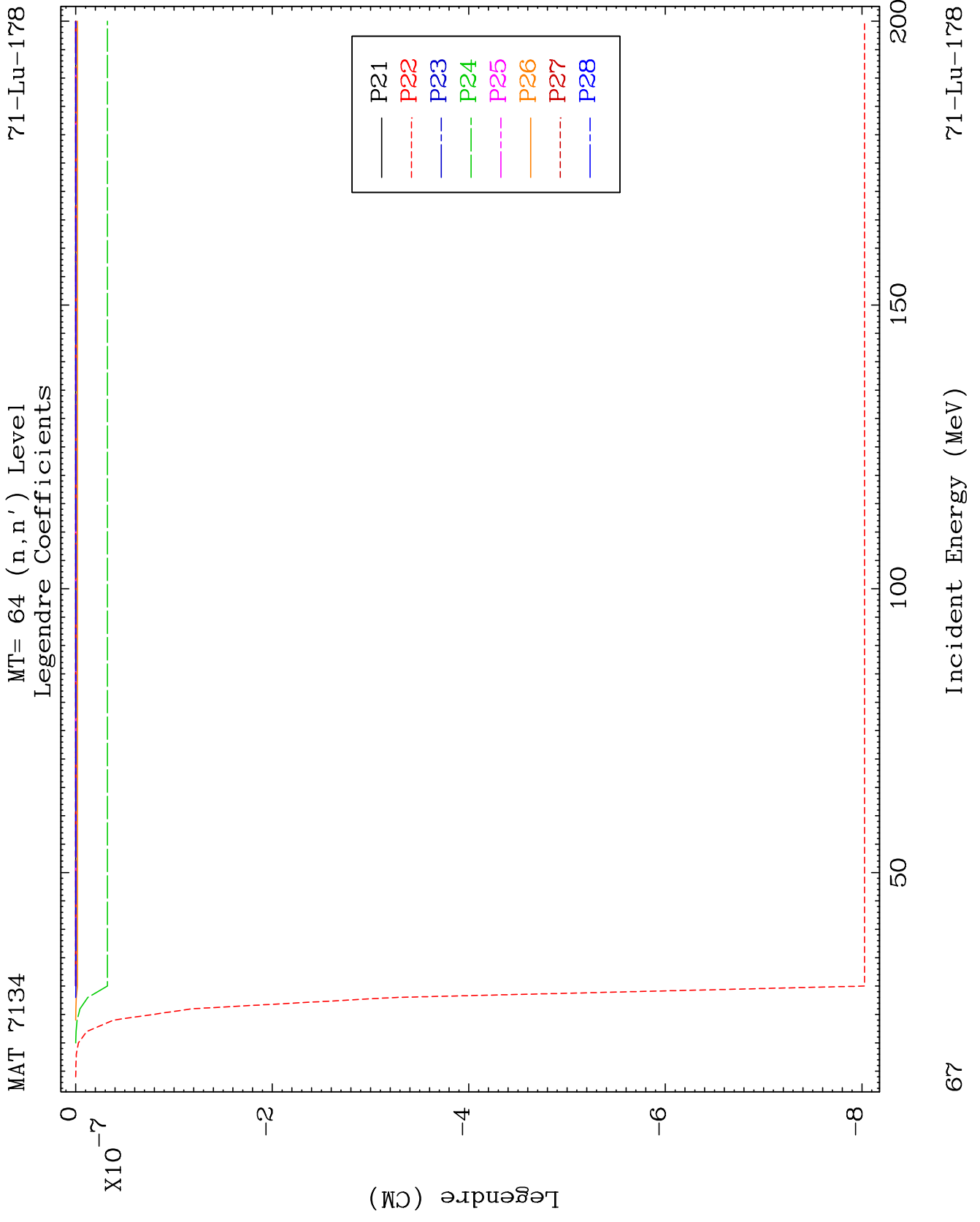
Legendre Coefficients



66

Incident Energy (MeV)

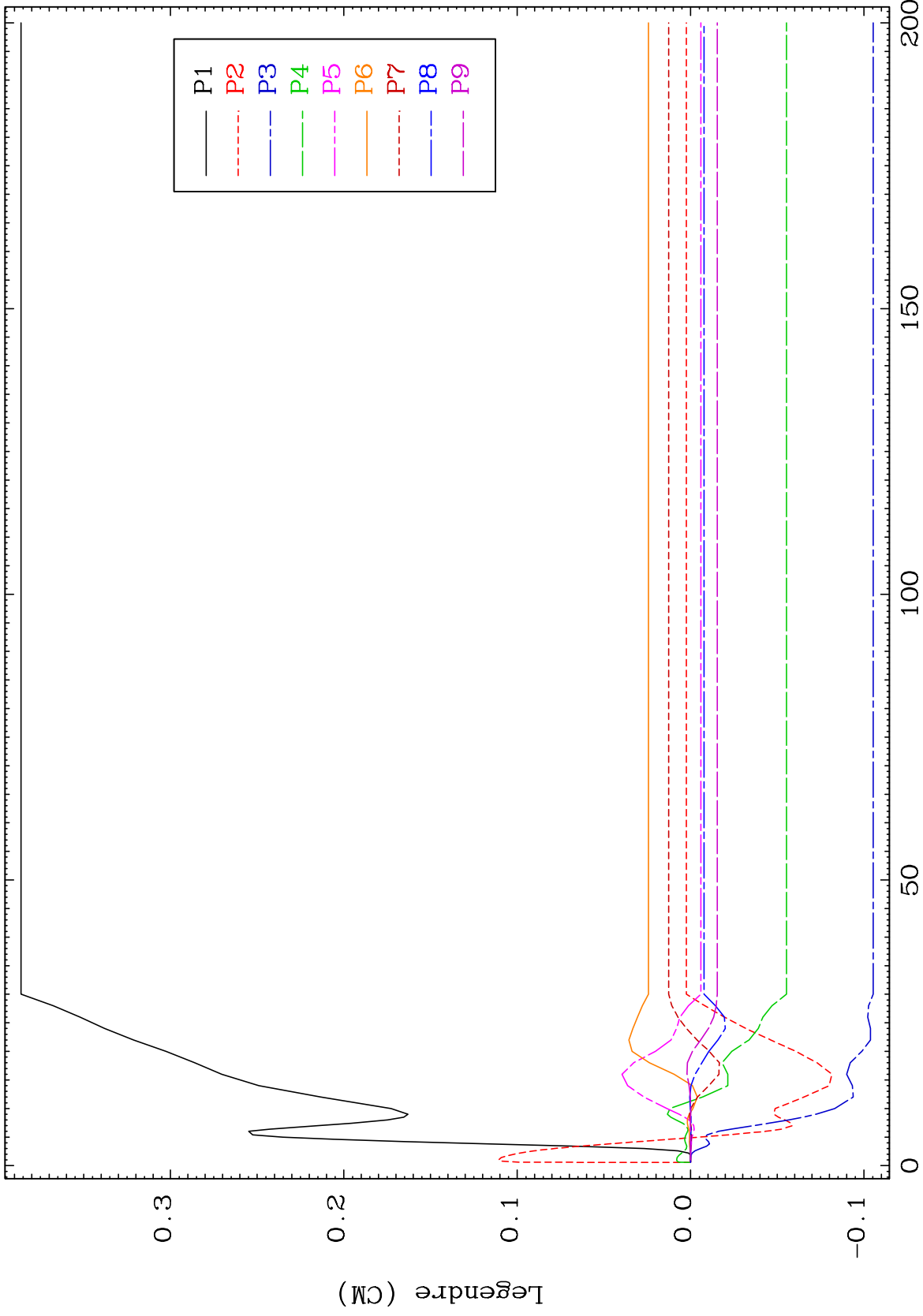
71-Lu-178



MAT 7134

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

71-Lu-178



68

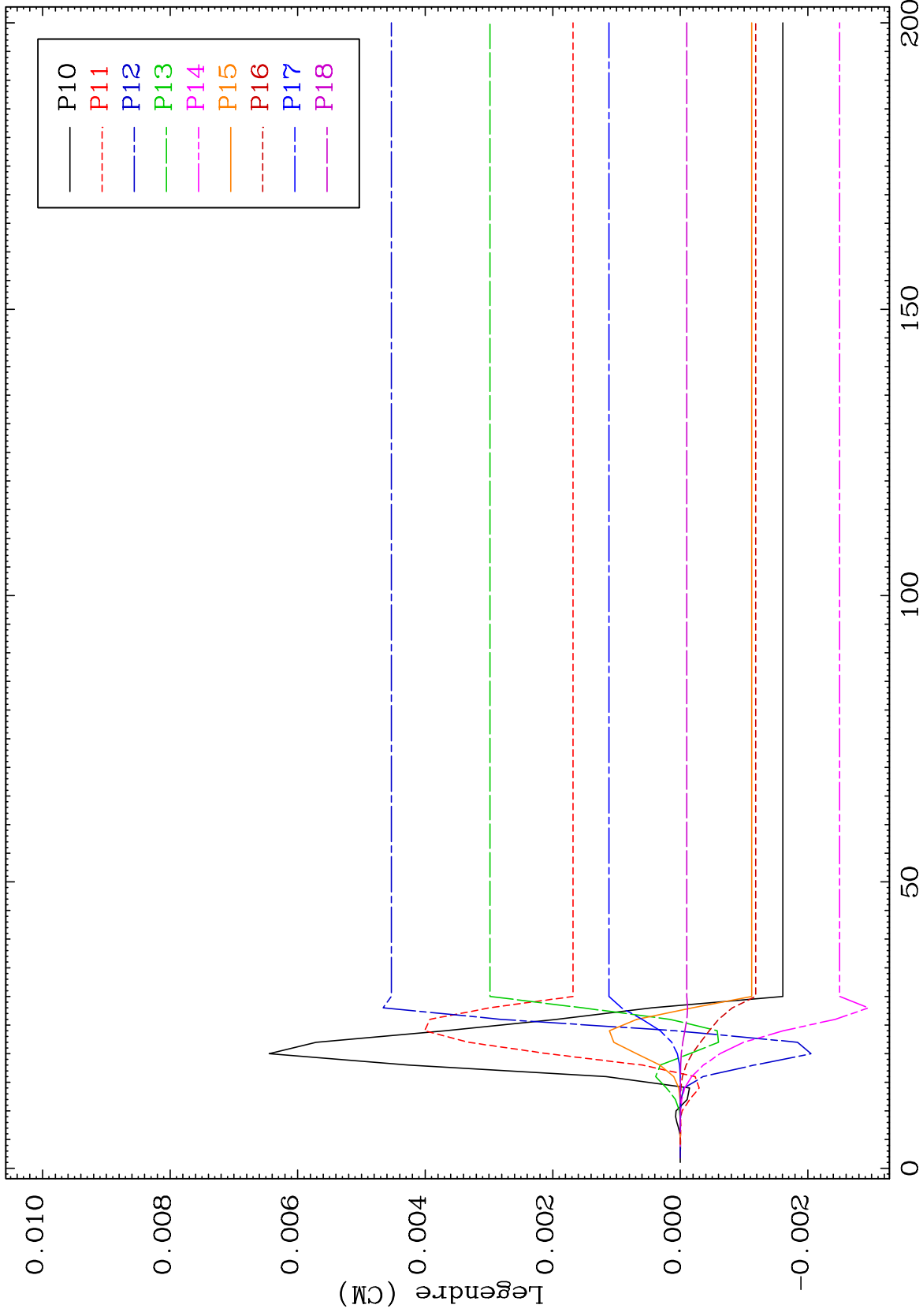
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

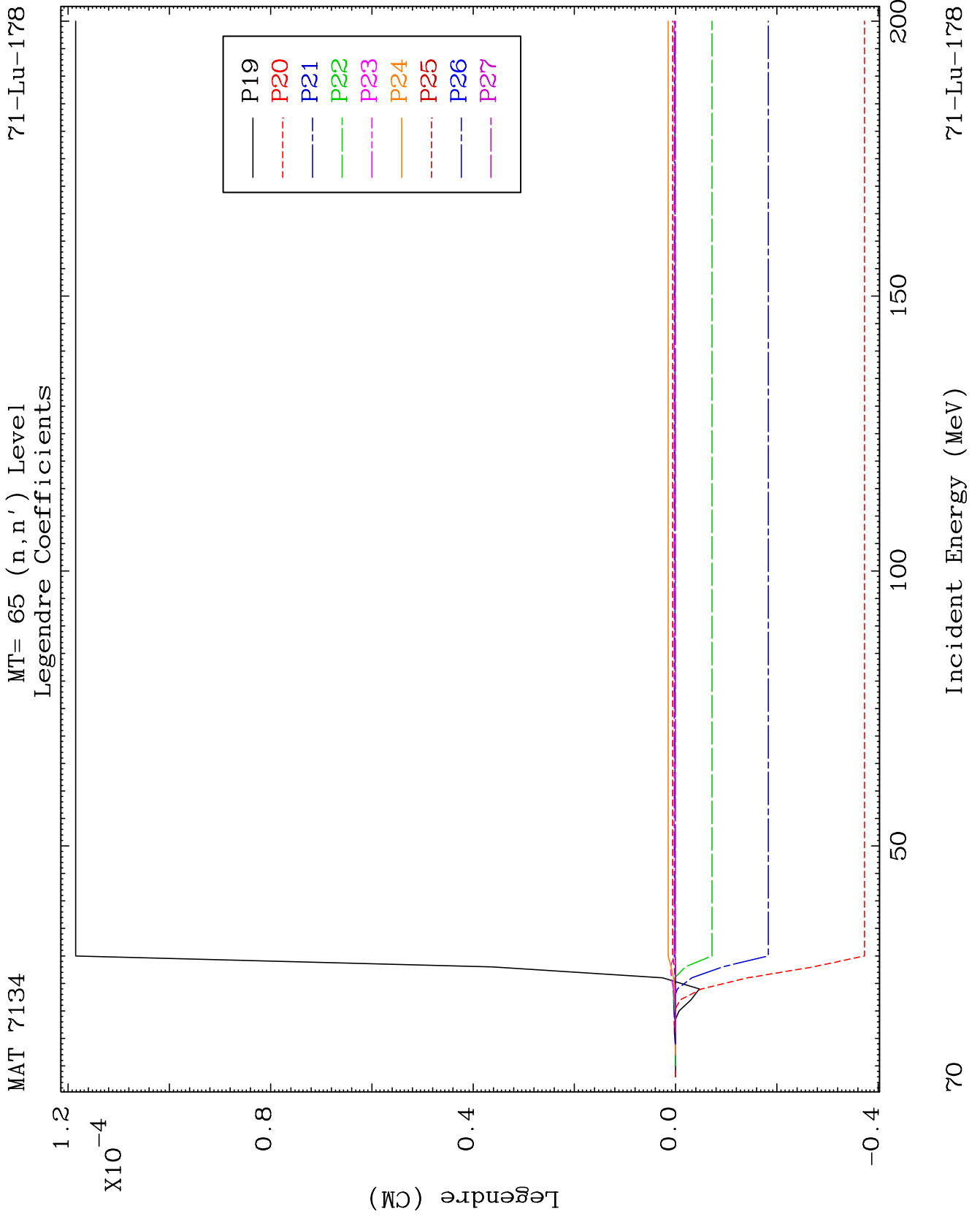
71-Lu-178



69

Incident Energy (MeV)

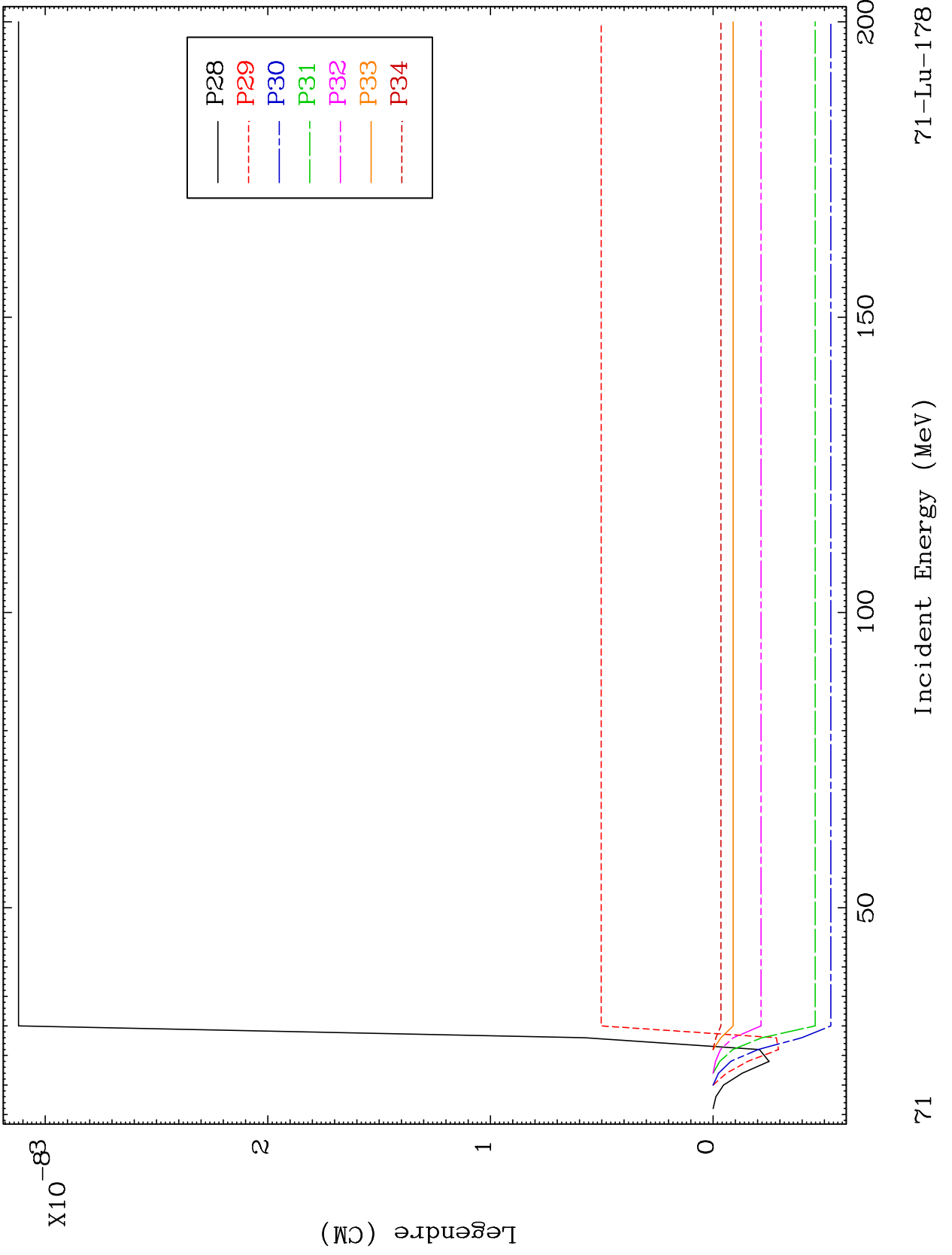
71-Lu-178



MAT 7134

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

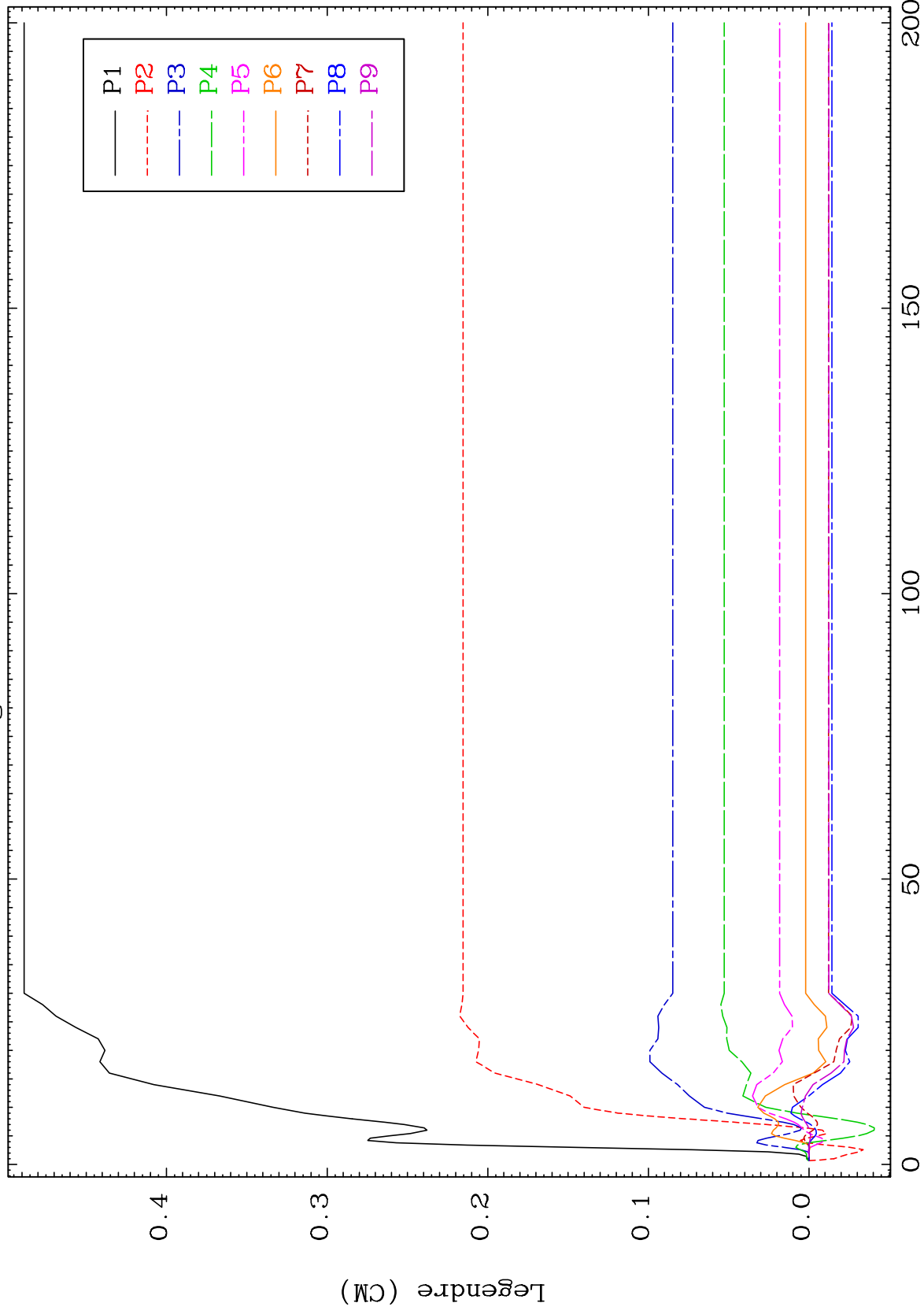
71-Lu-178



MAT 7134

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

71-Lu-178



72

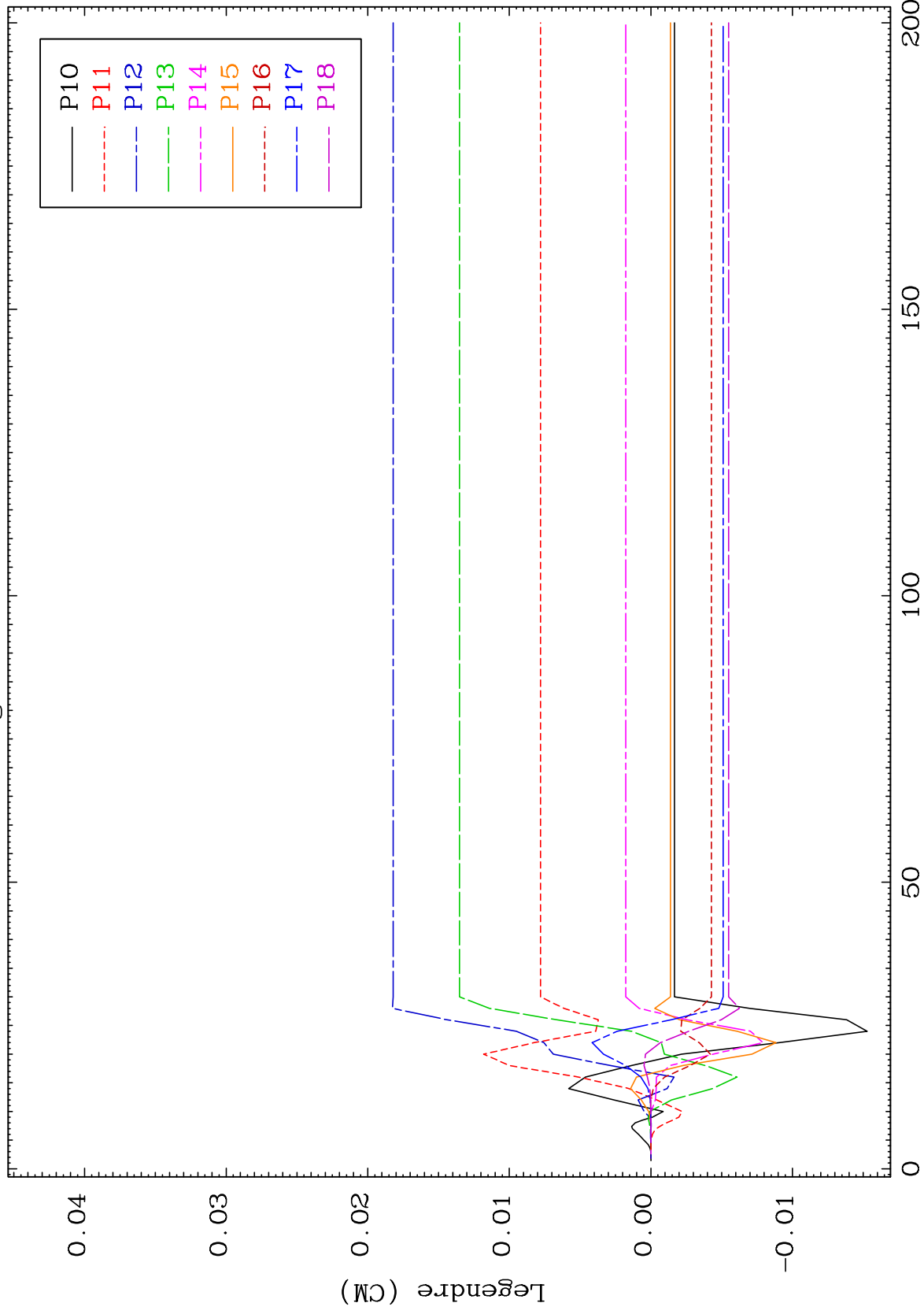
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178



73

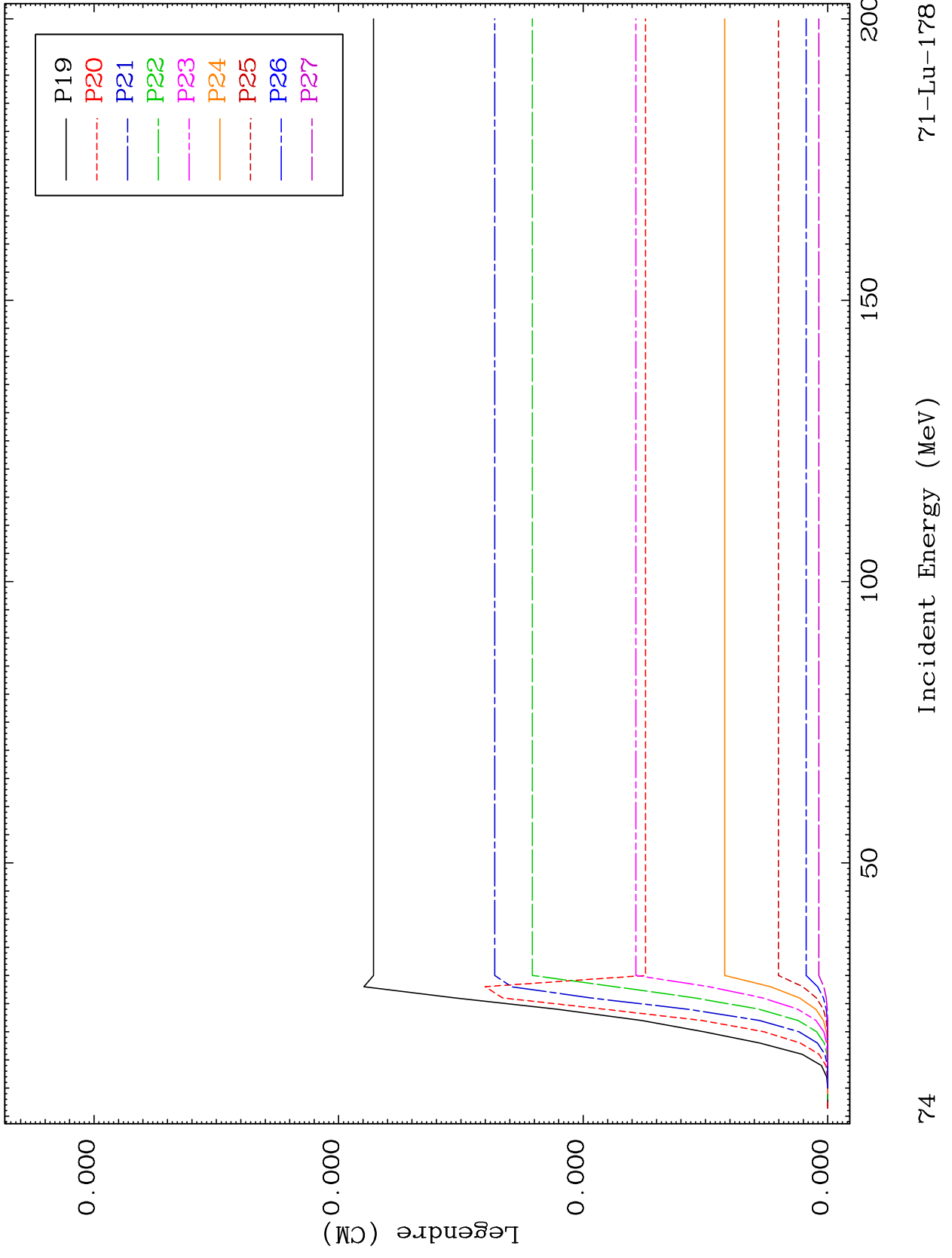
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178



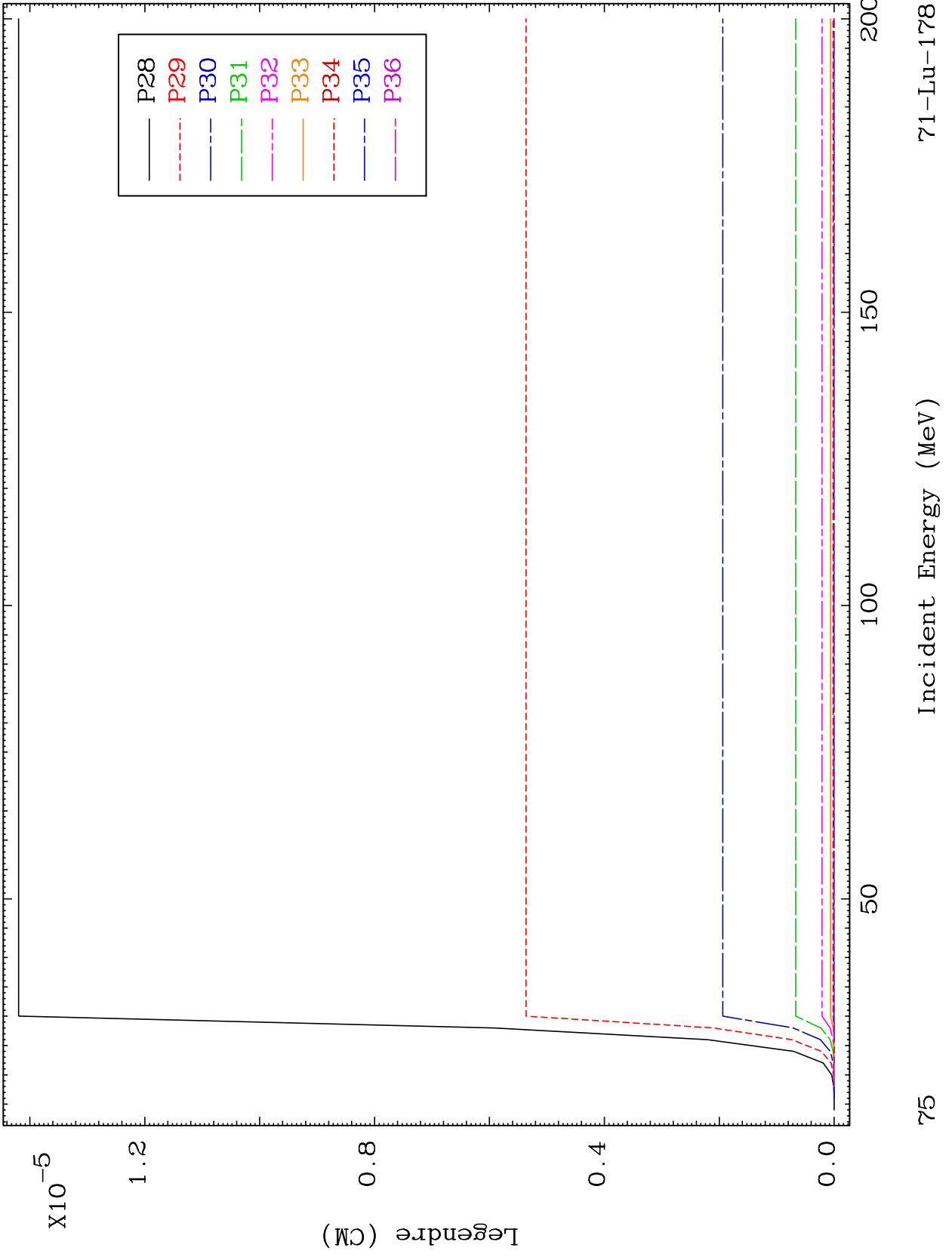
74

71-Lu-178

MAT 7134

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

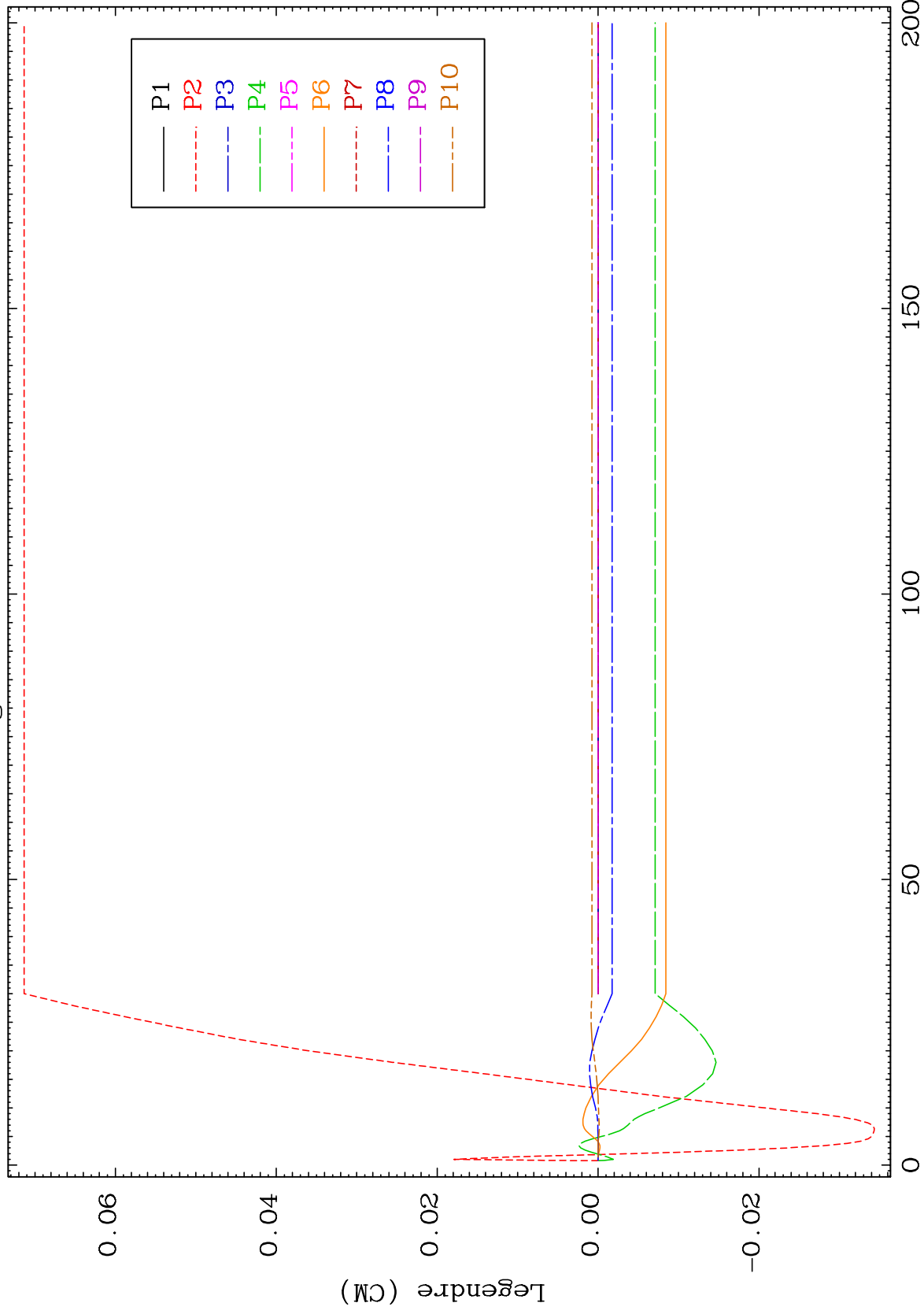
71-Lu-178



MAT 7134

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

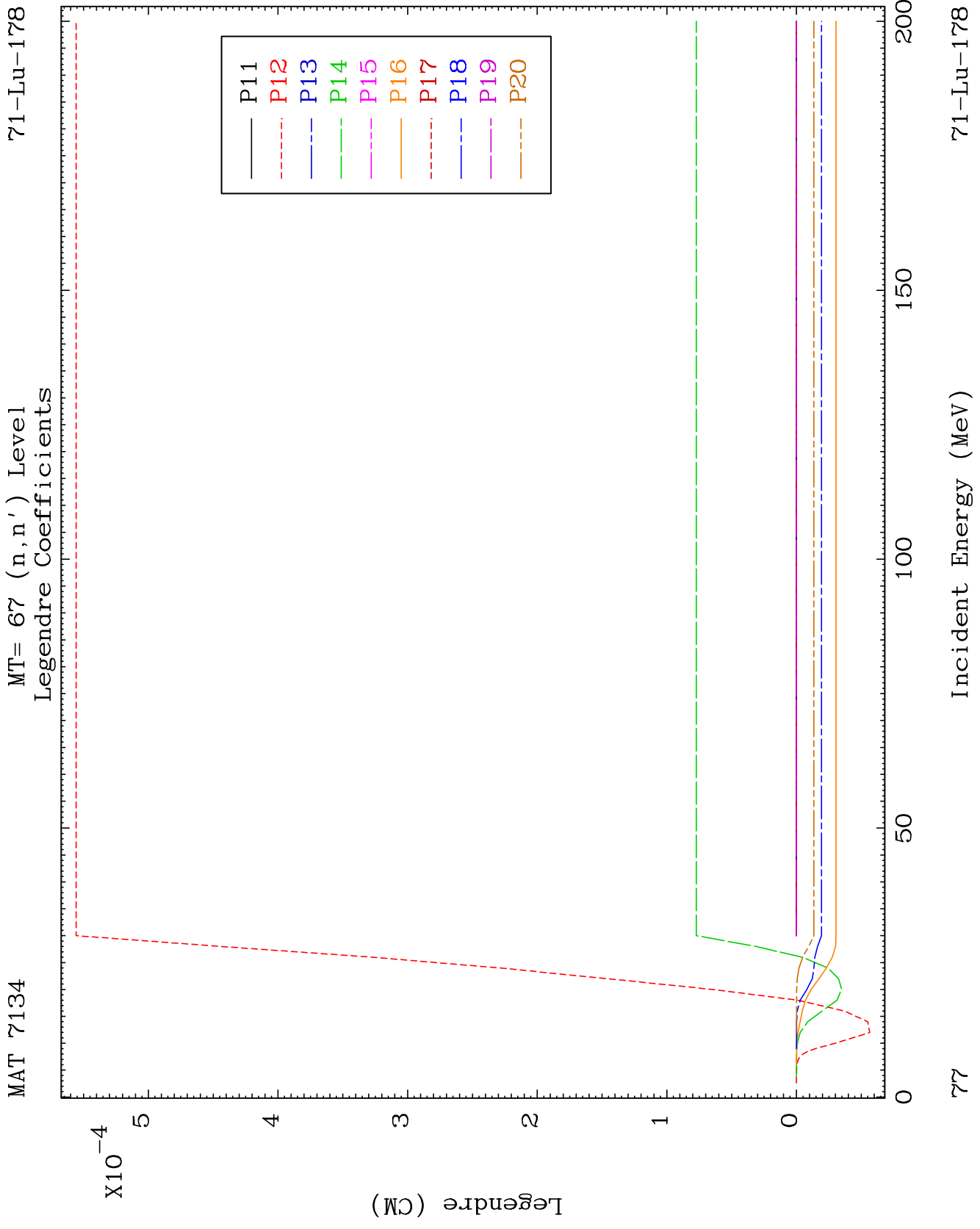
71-Lu-178

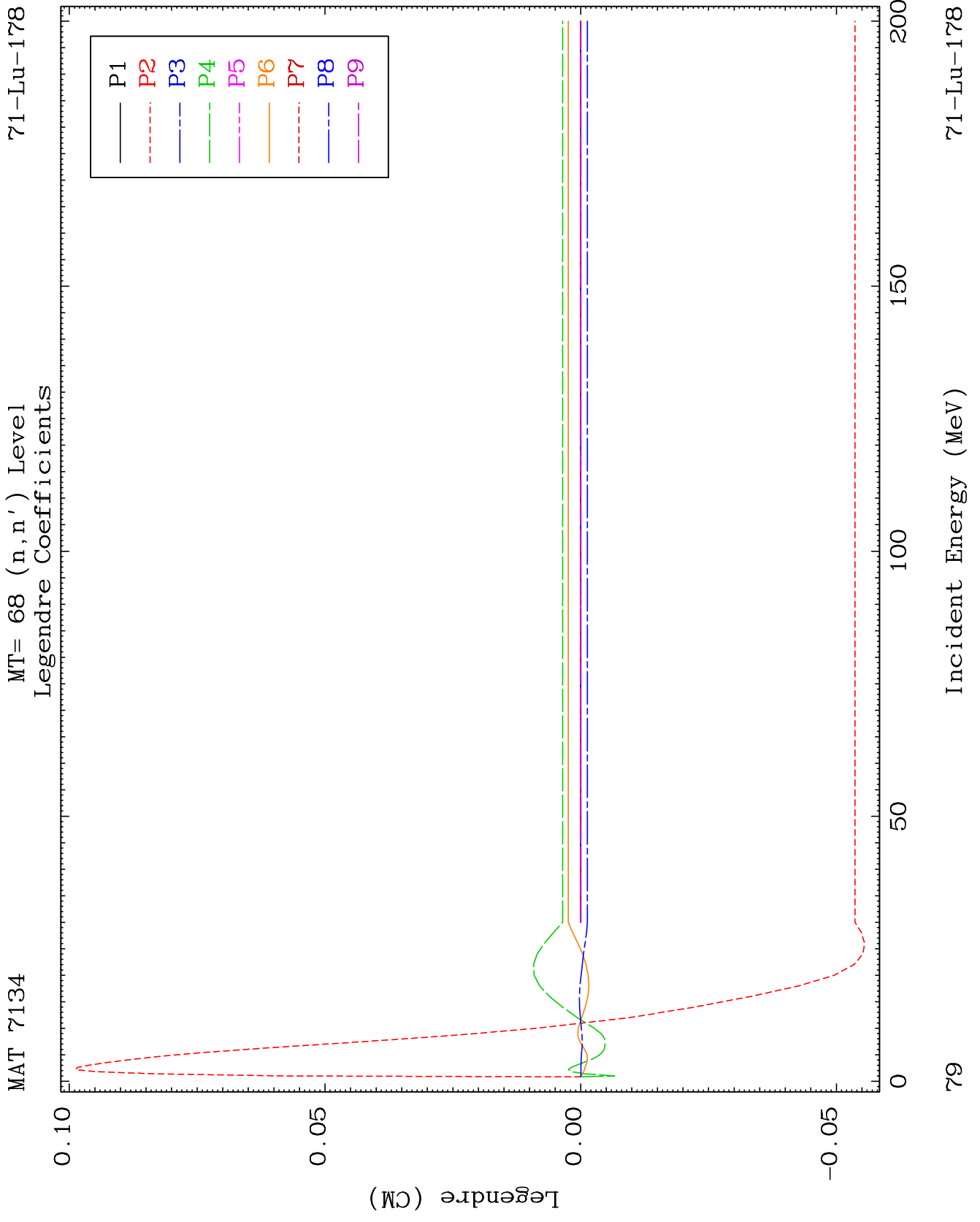


76

Incident Energy (MeV)

71-Lu-178

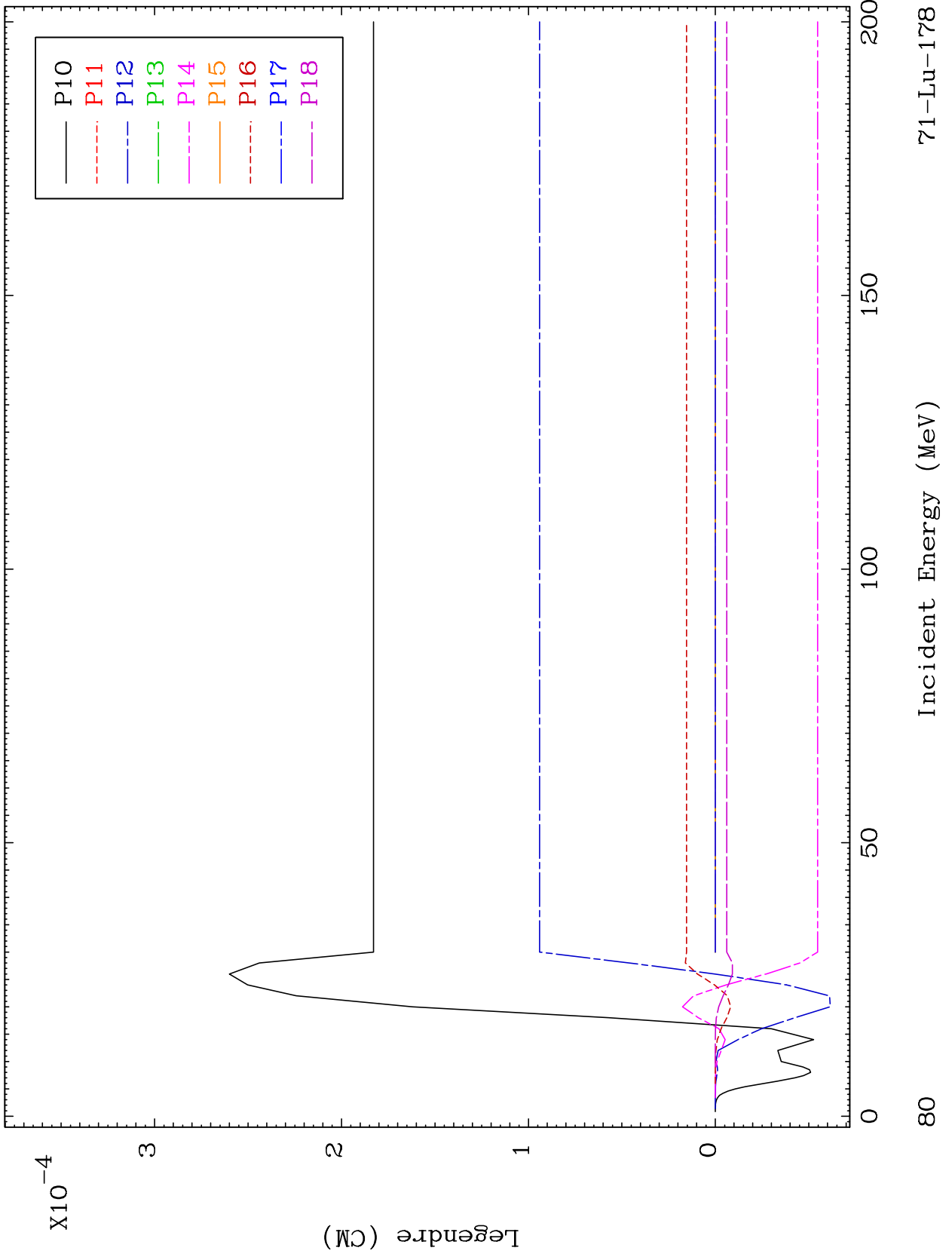




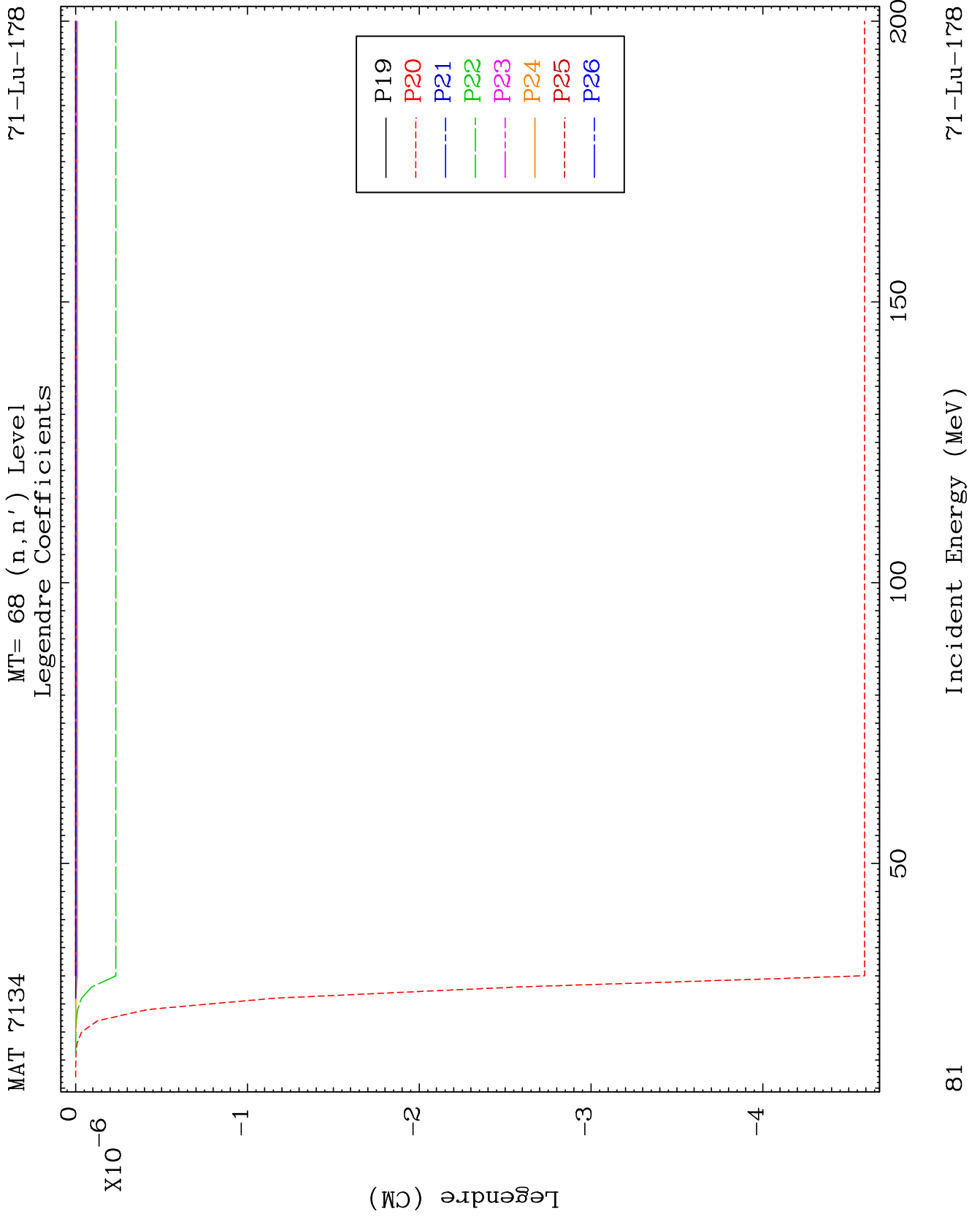
MAT 7134

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

71-Lu-178



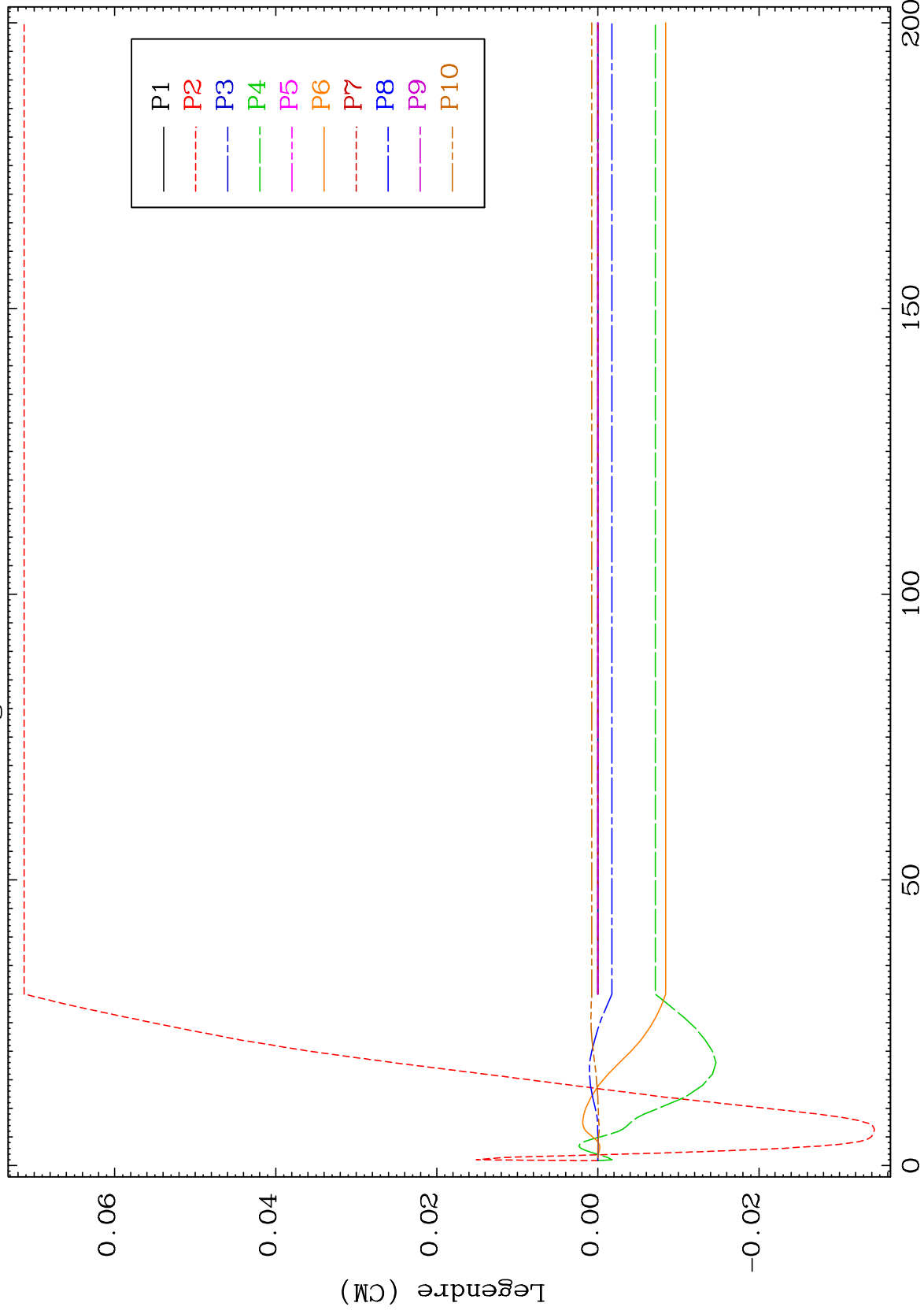
71-Lu-178



MAT 7134

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

71-Lu-178



82

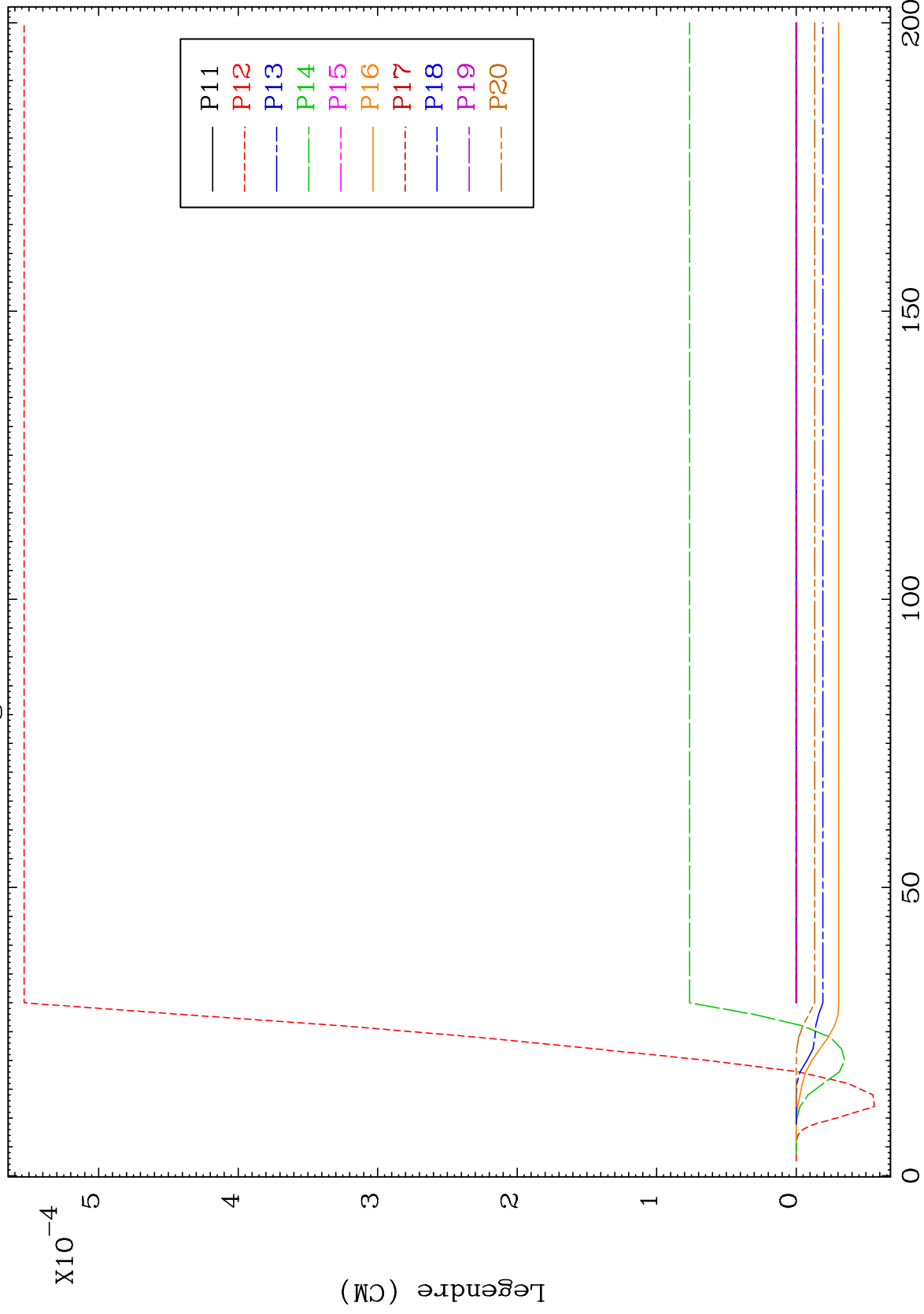
Incident Energy (MeV)

71-Lu-178

MAT 7134

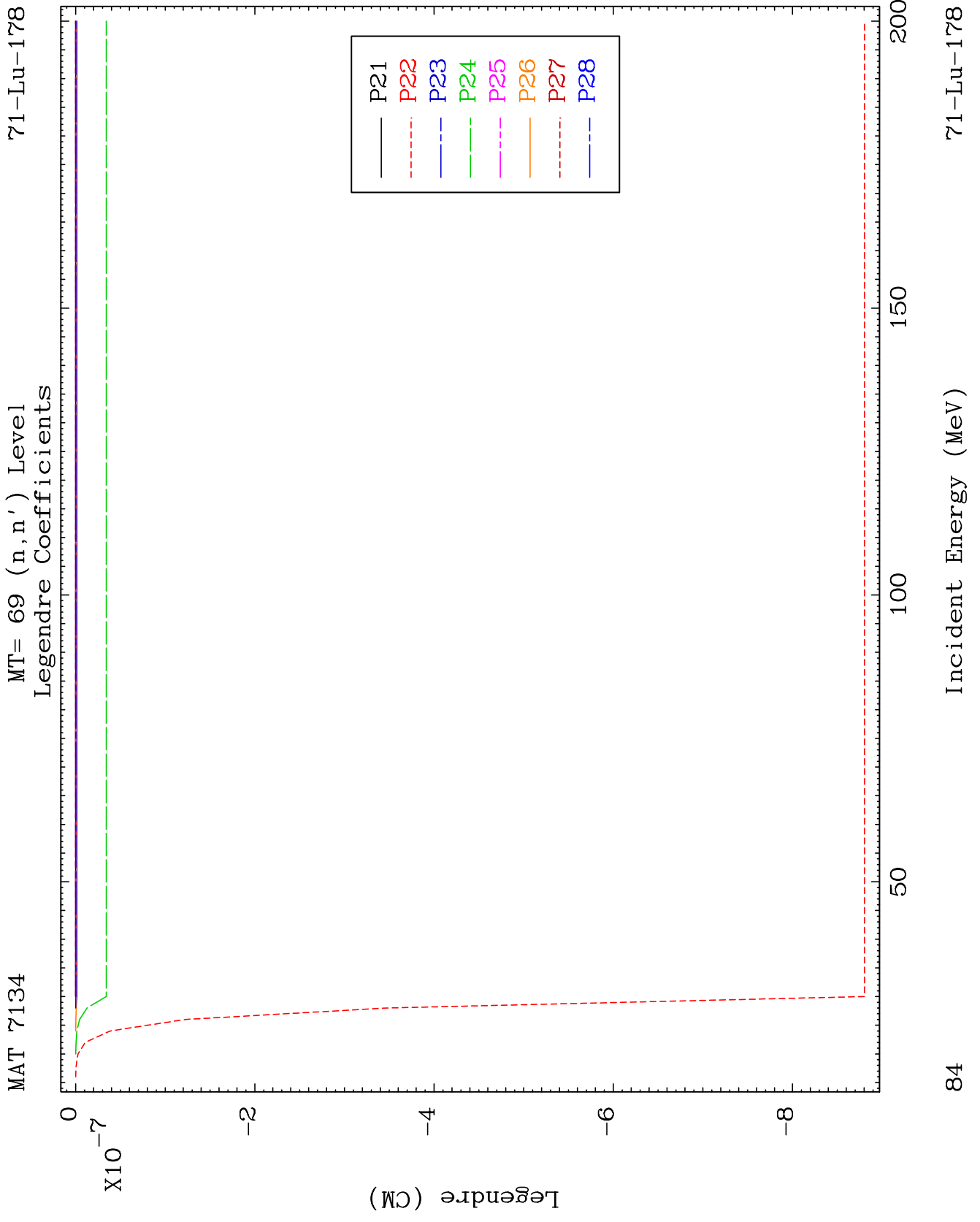
MT= 69 (n,n') Level
Legendre Coefficients

71-Lu-178



83

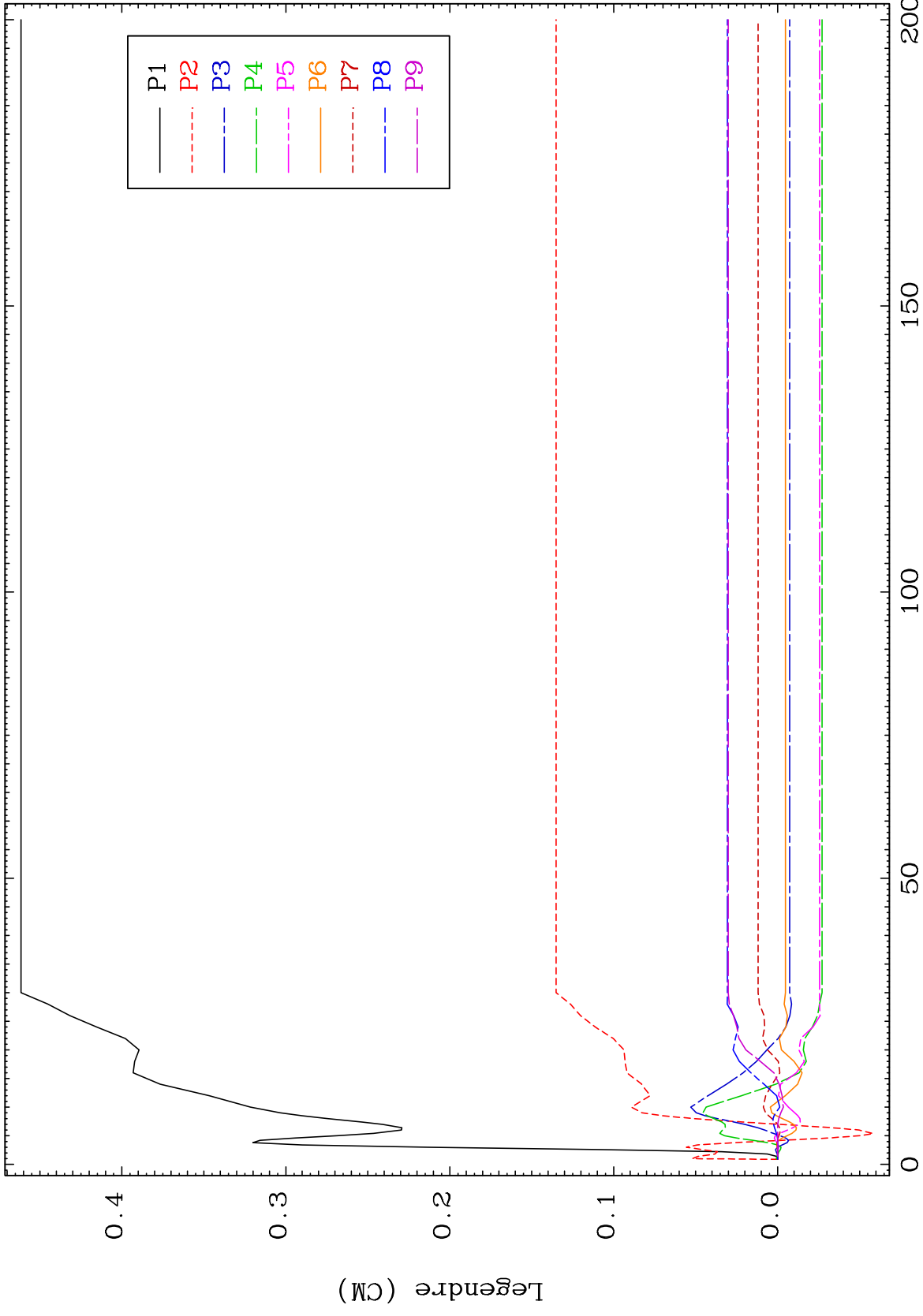
71-Lu-178



MAT 7134

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

71-Lu-178



85

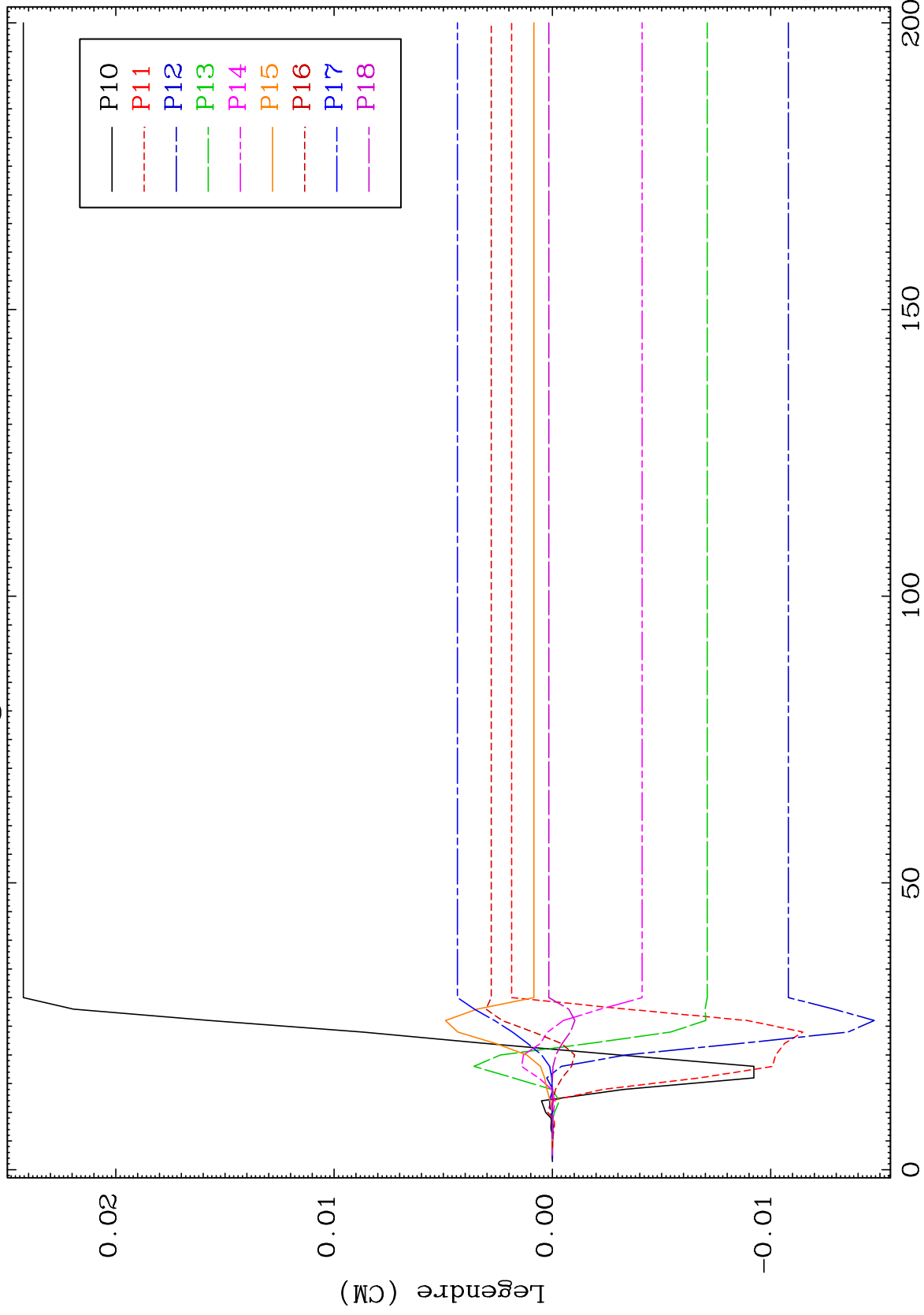
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

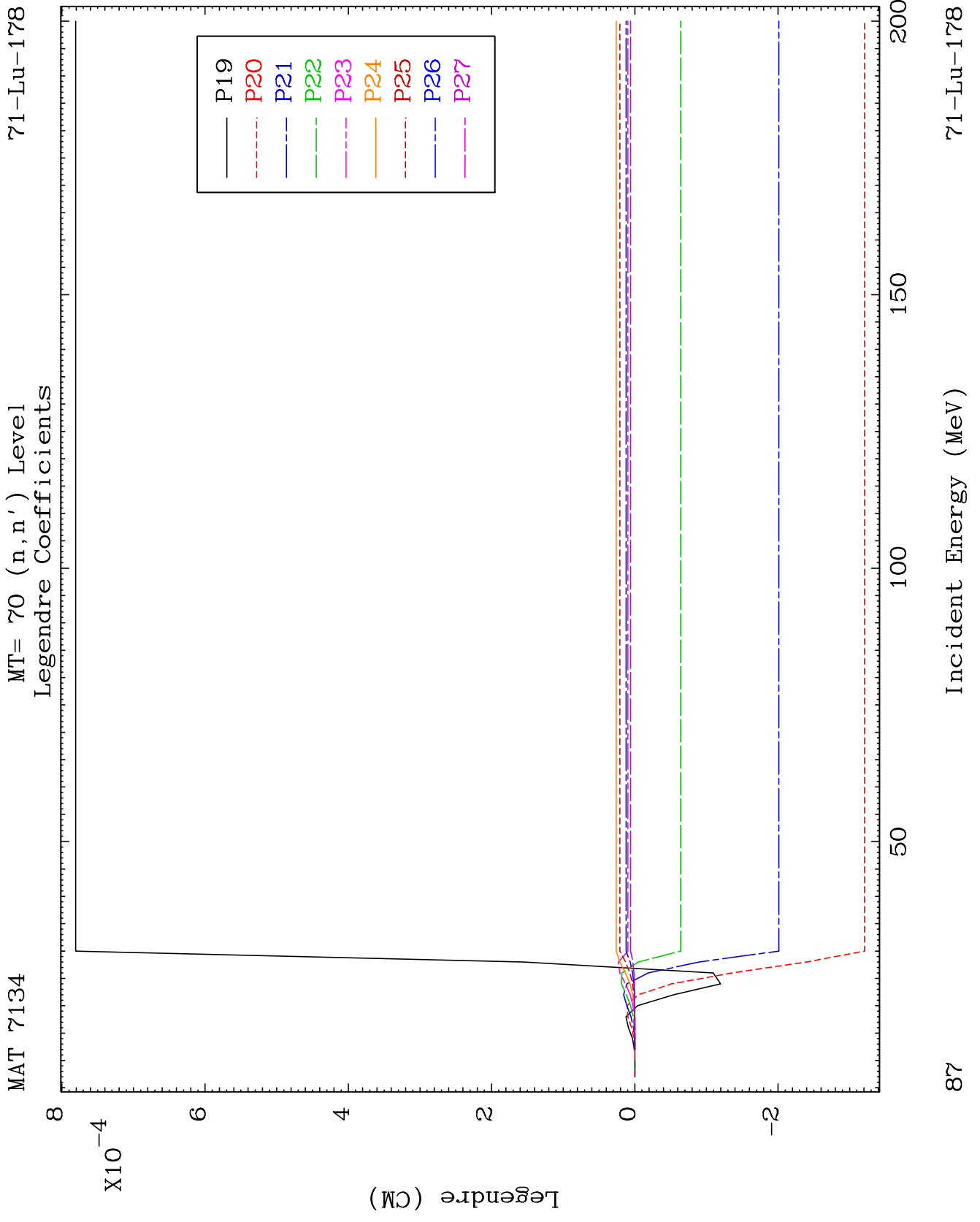
71-Lu-178



71-Lu-178

71-Lu-178

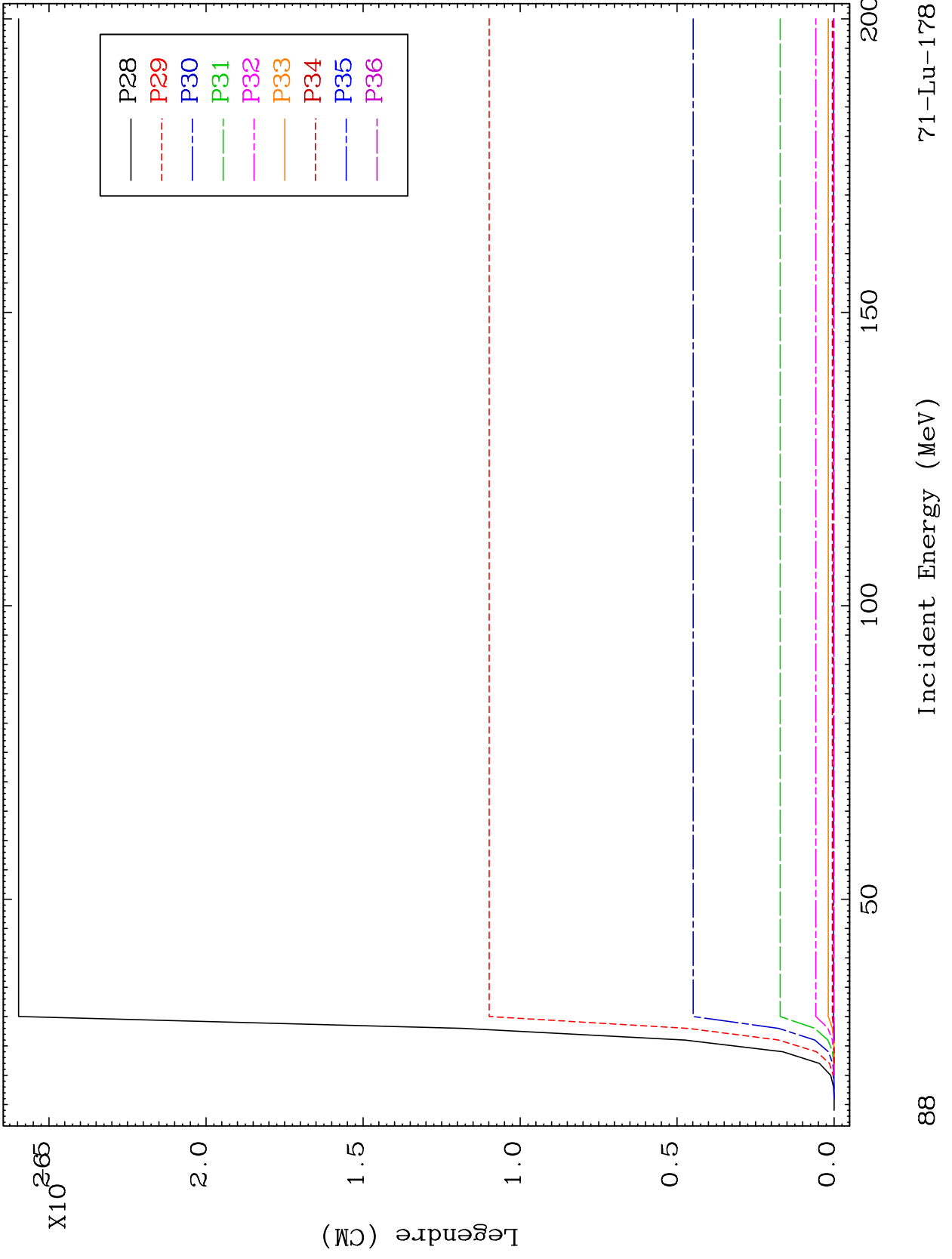
86



MAT 7134

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

71-Lu-178



88

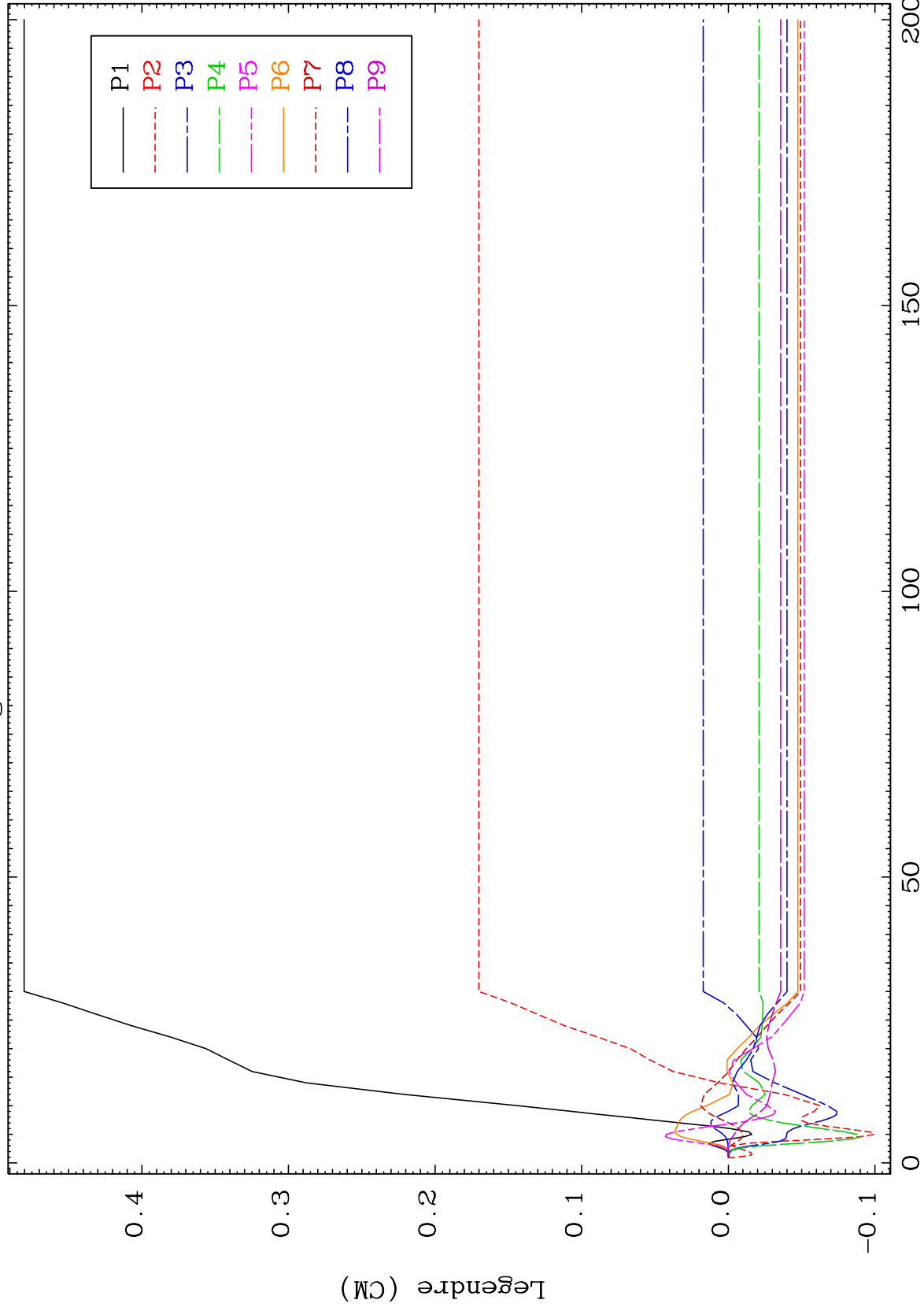
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178



71-Lu-178

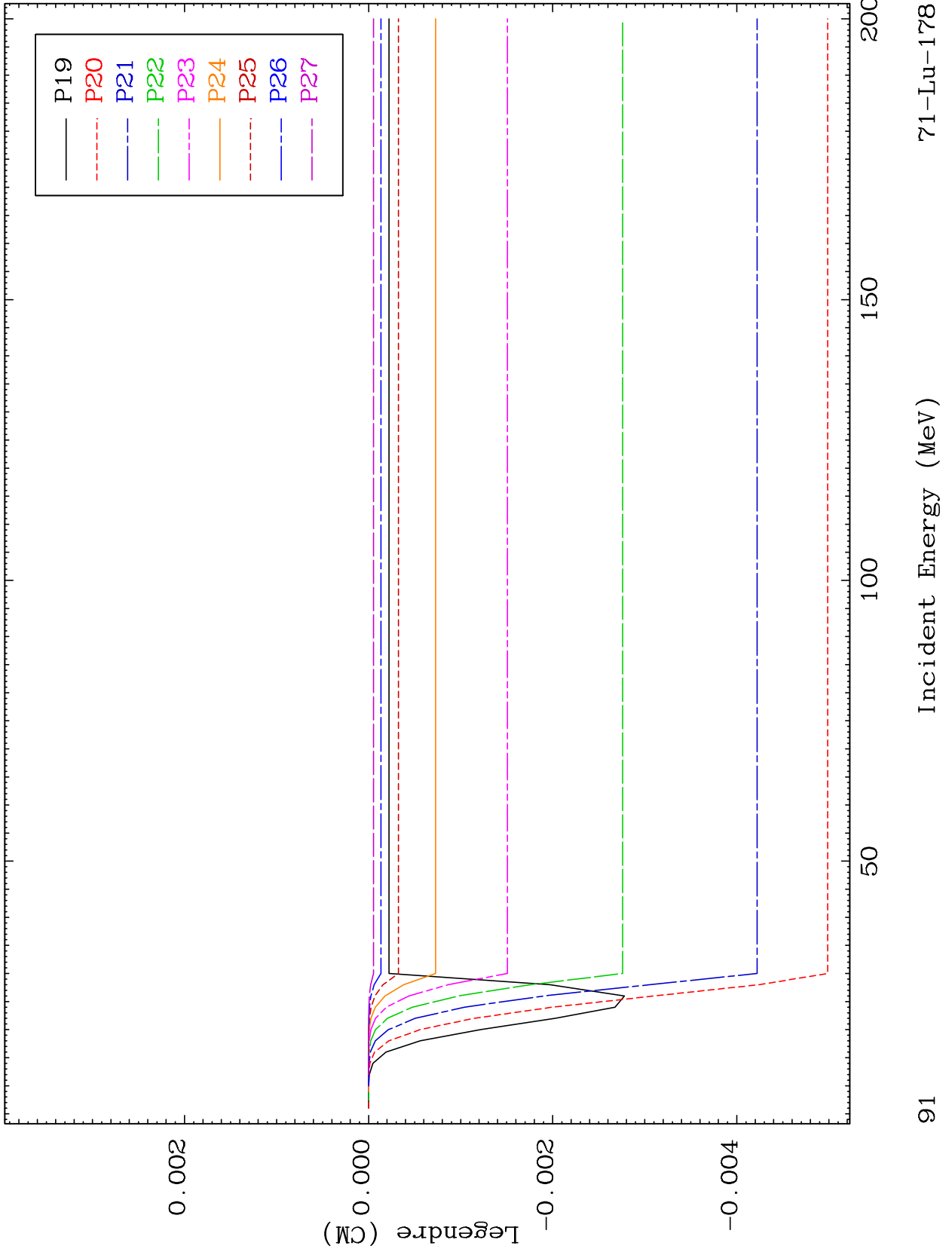
Incident Energy (MeV)

89

MAT 7134

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

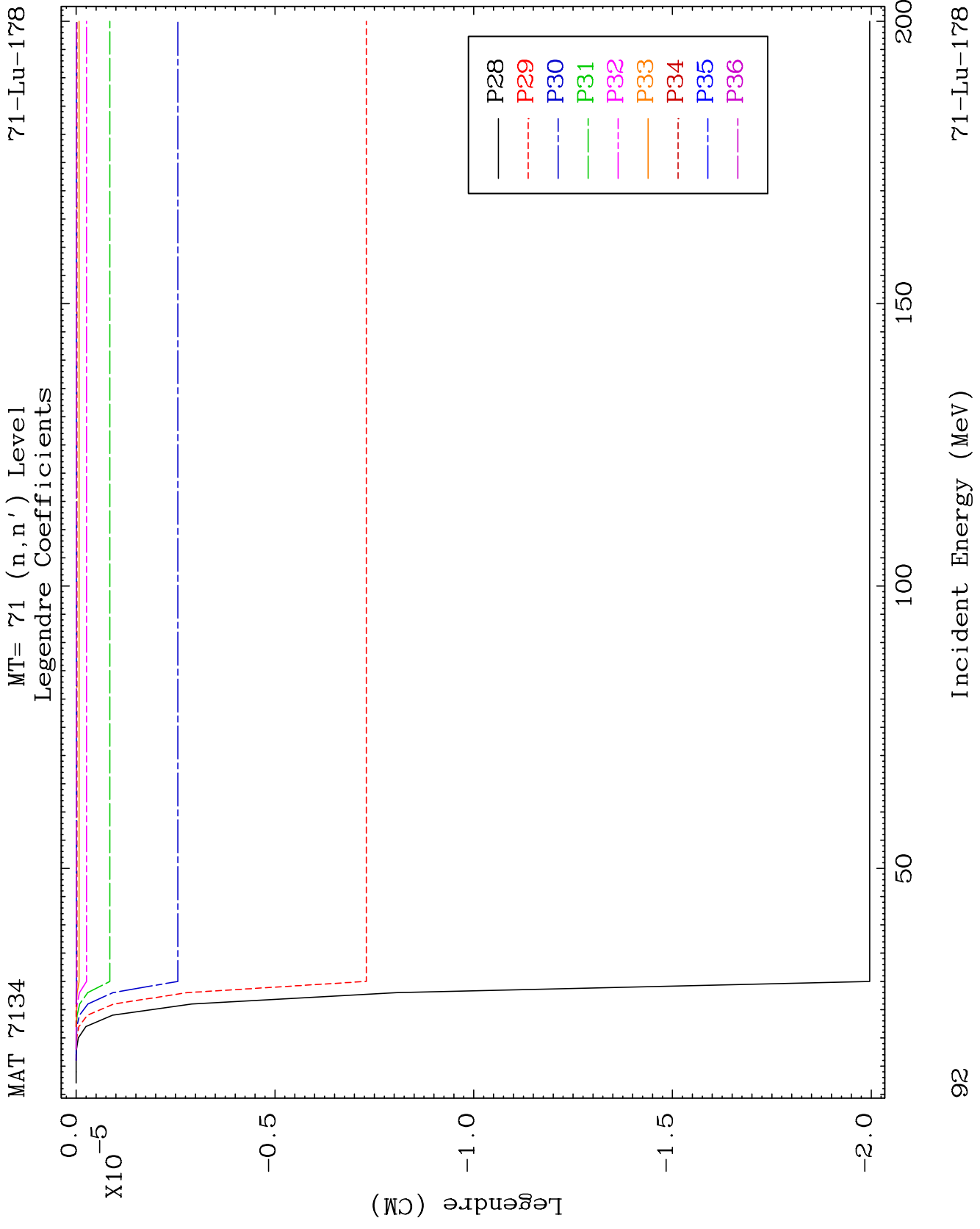
71-Lu-178



91

Incident Energy (MeV)

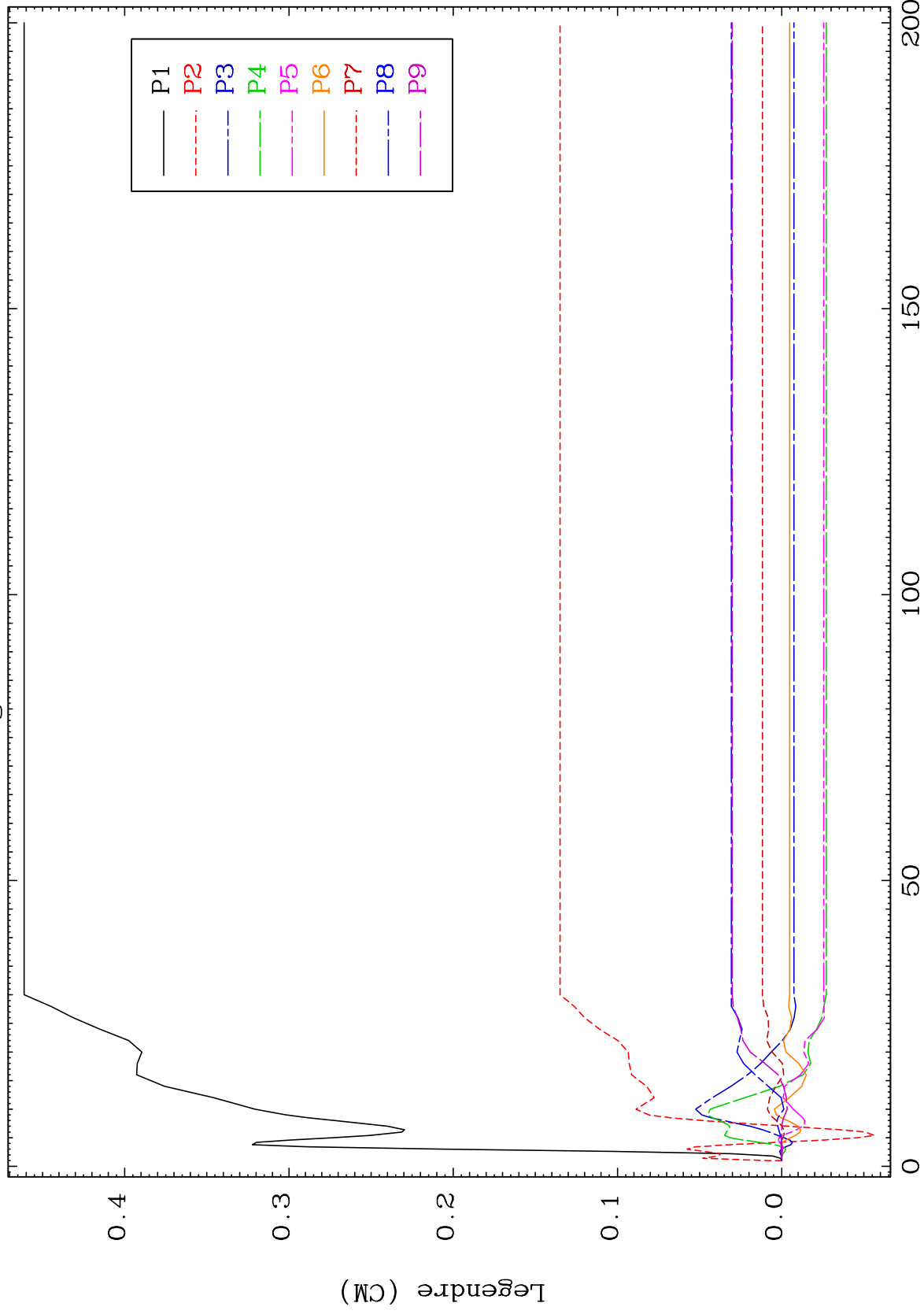
71-Lu-178



MAT 7134

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

71-Lu-178



93

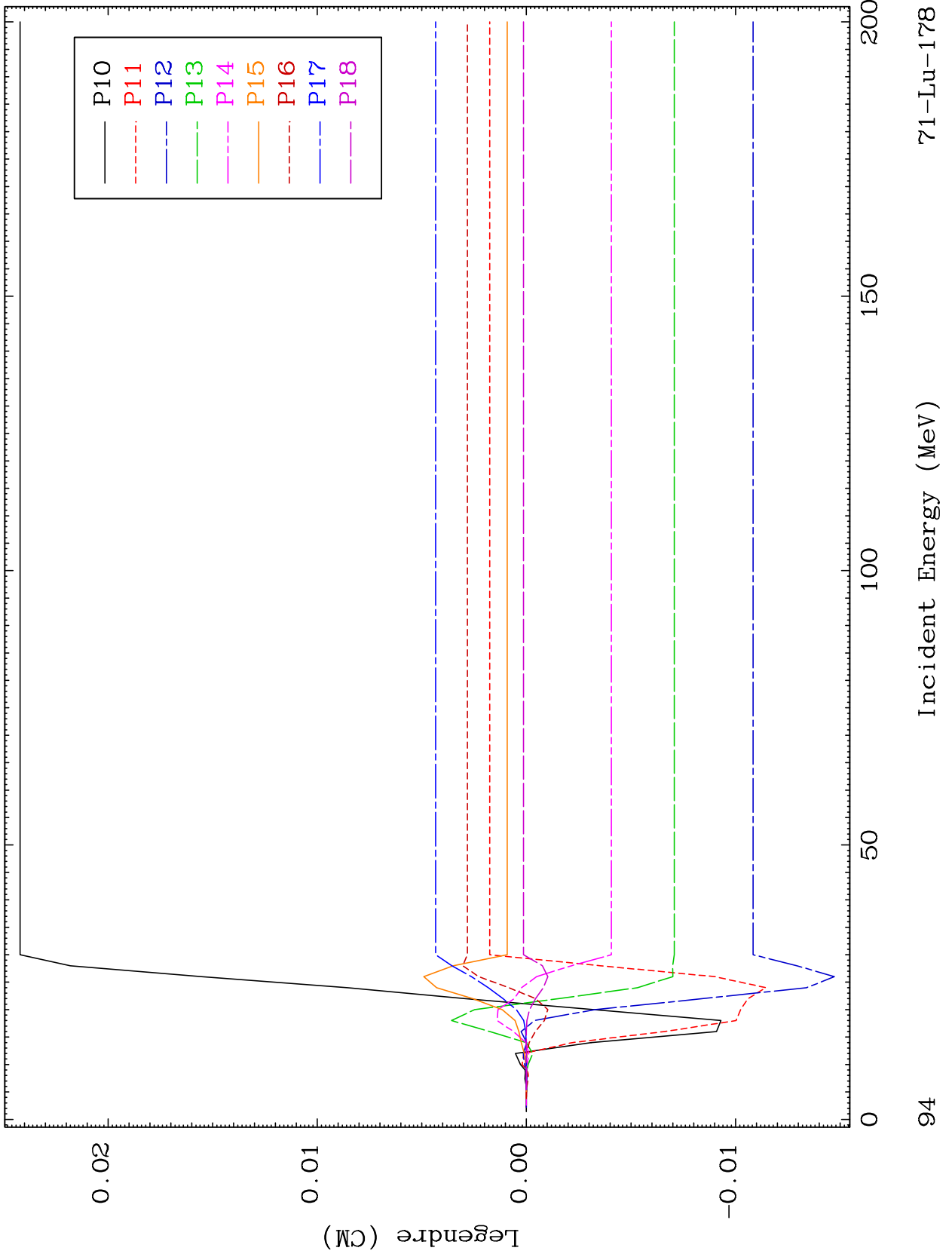
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178



71-Lu-178

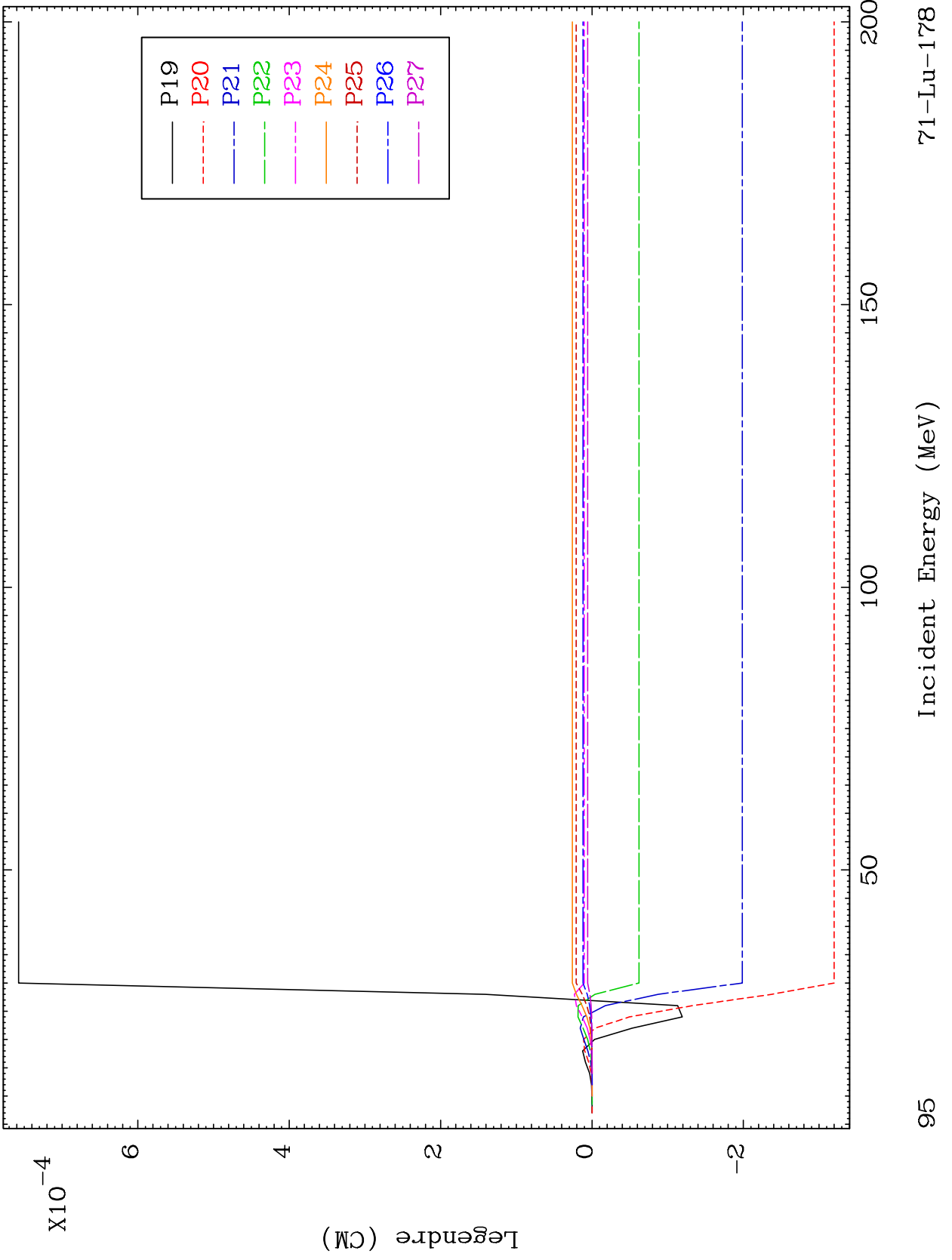
Incident Energy (MeV)

94

MAT 7134

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

71-Lu-178



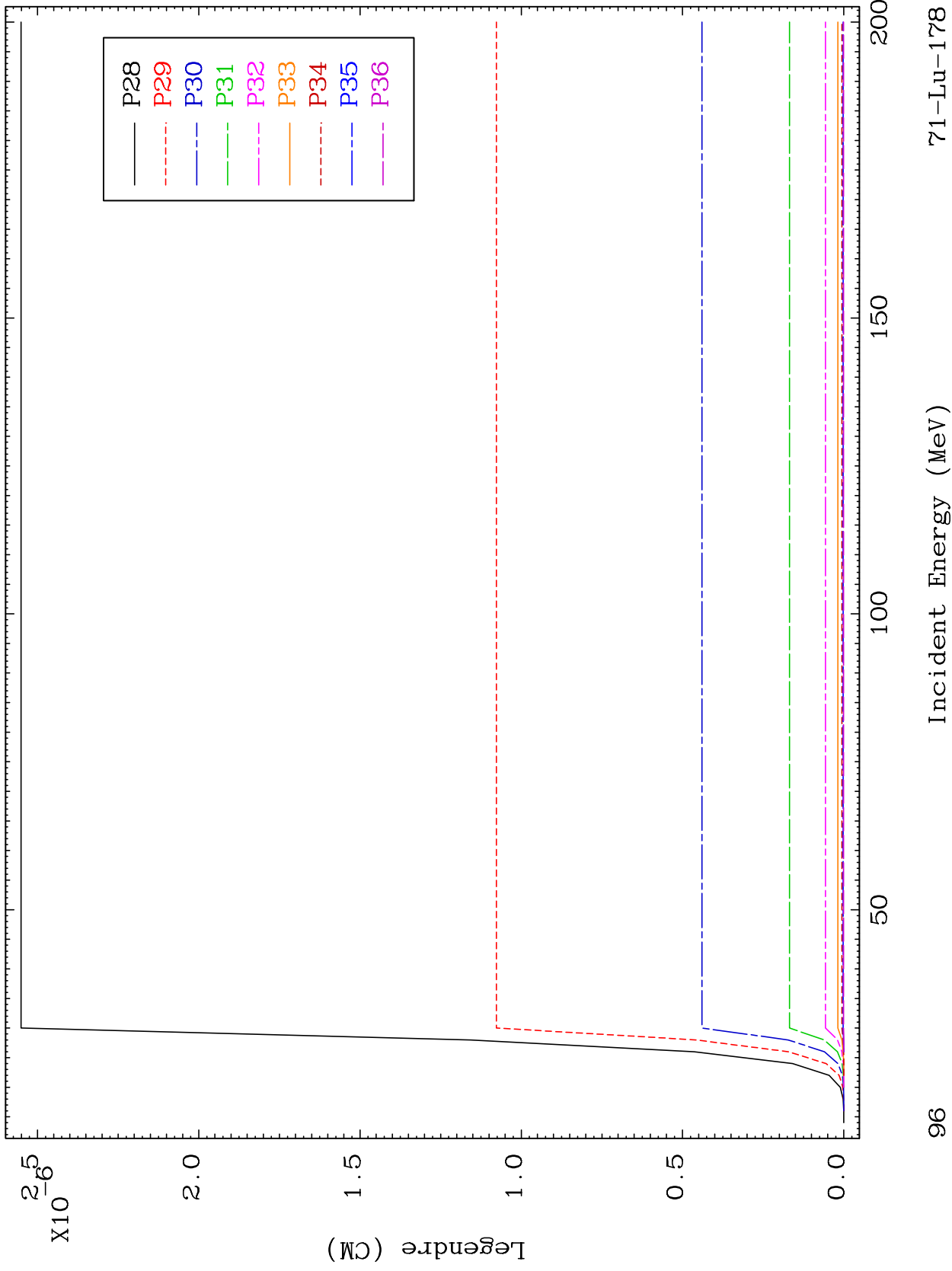
95

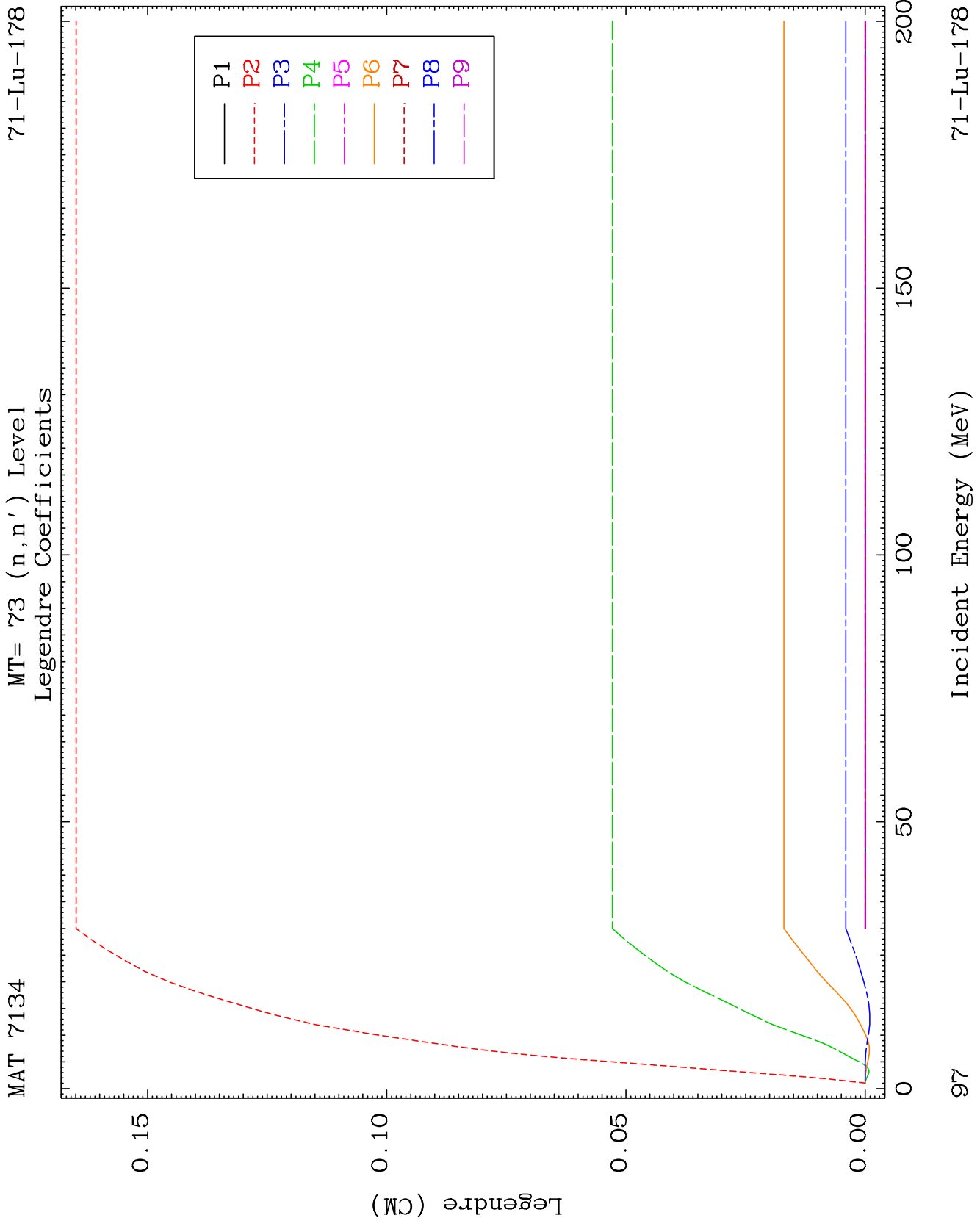
71-Lu-178

MAT 7134

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

71-Lu-178

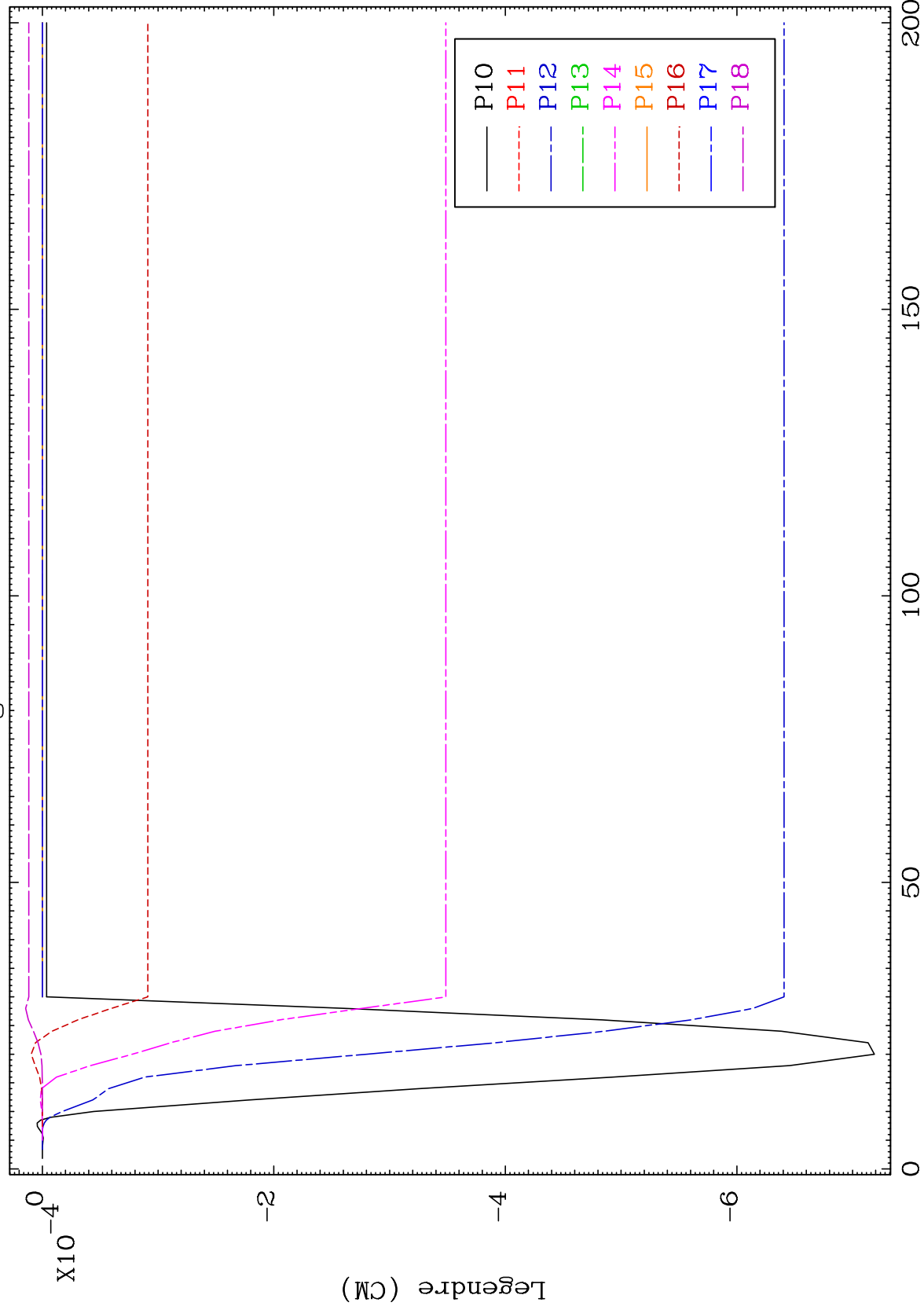




MAT 7134

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

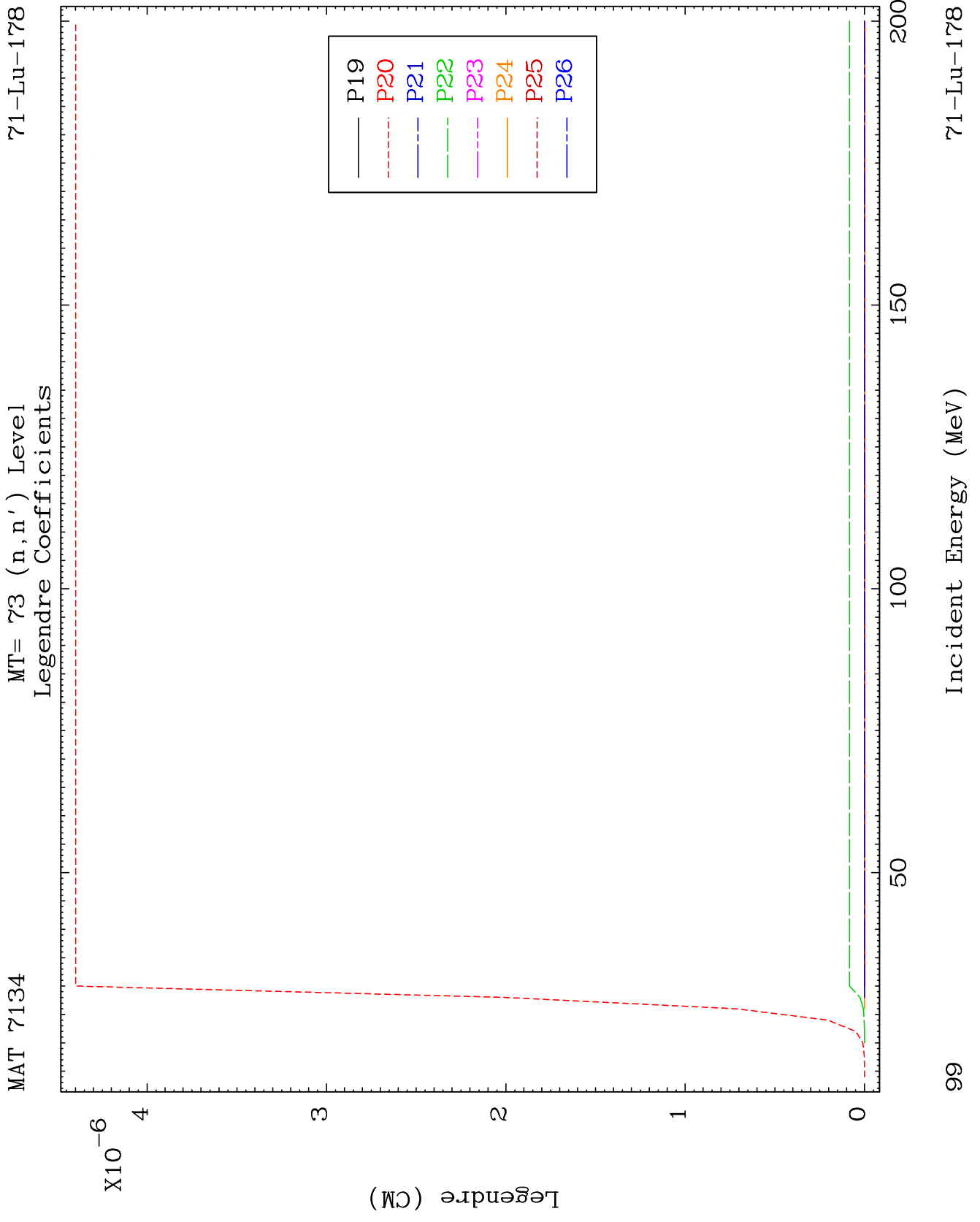
71-Lu-178

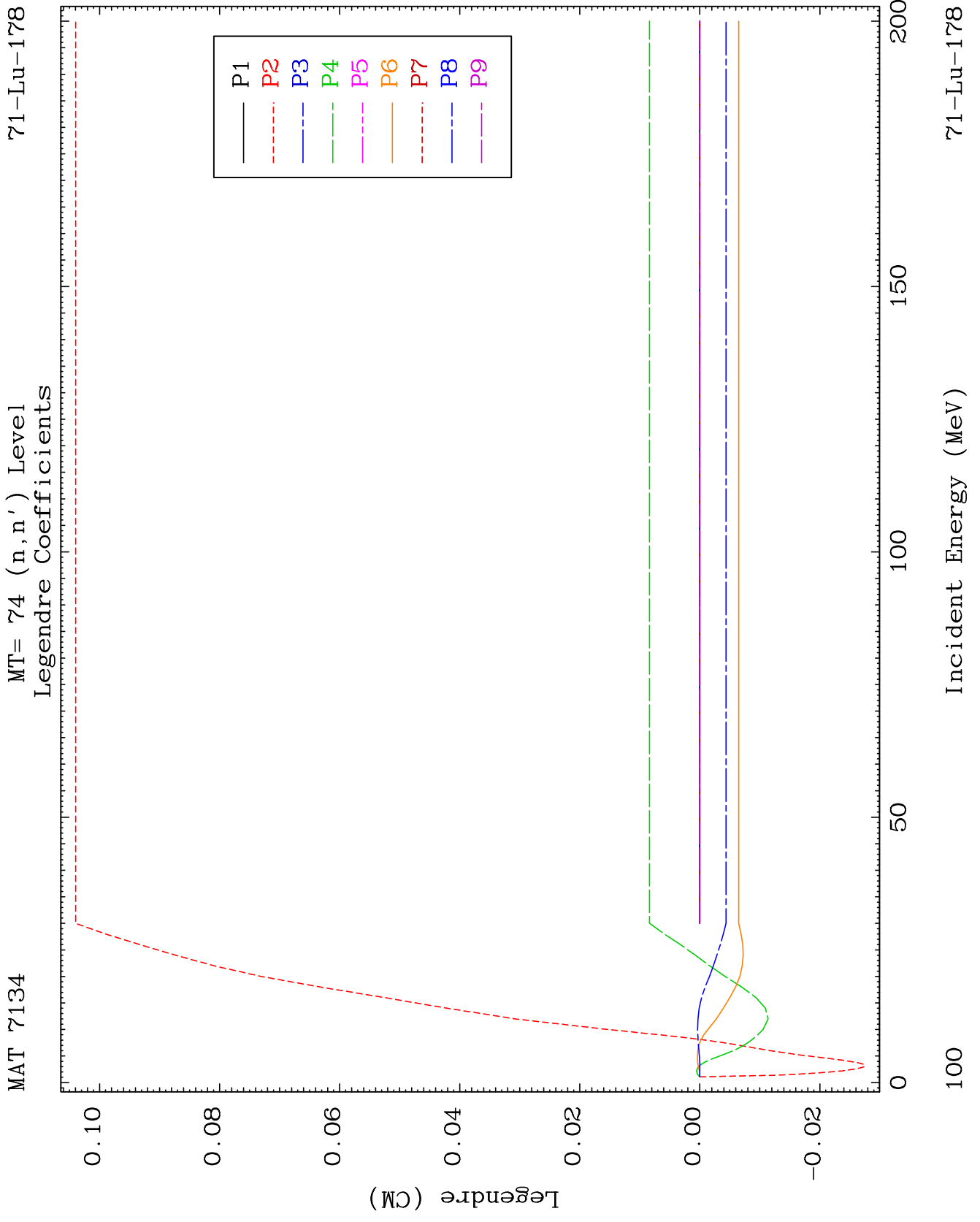


98

Incident Energy (MeV)

71-Lu-178

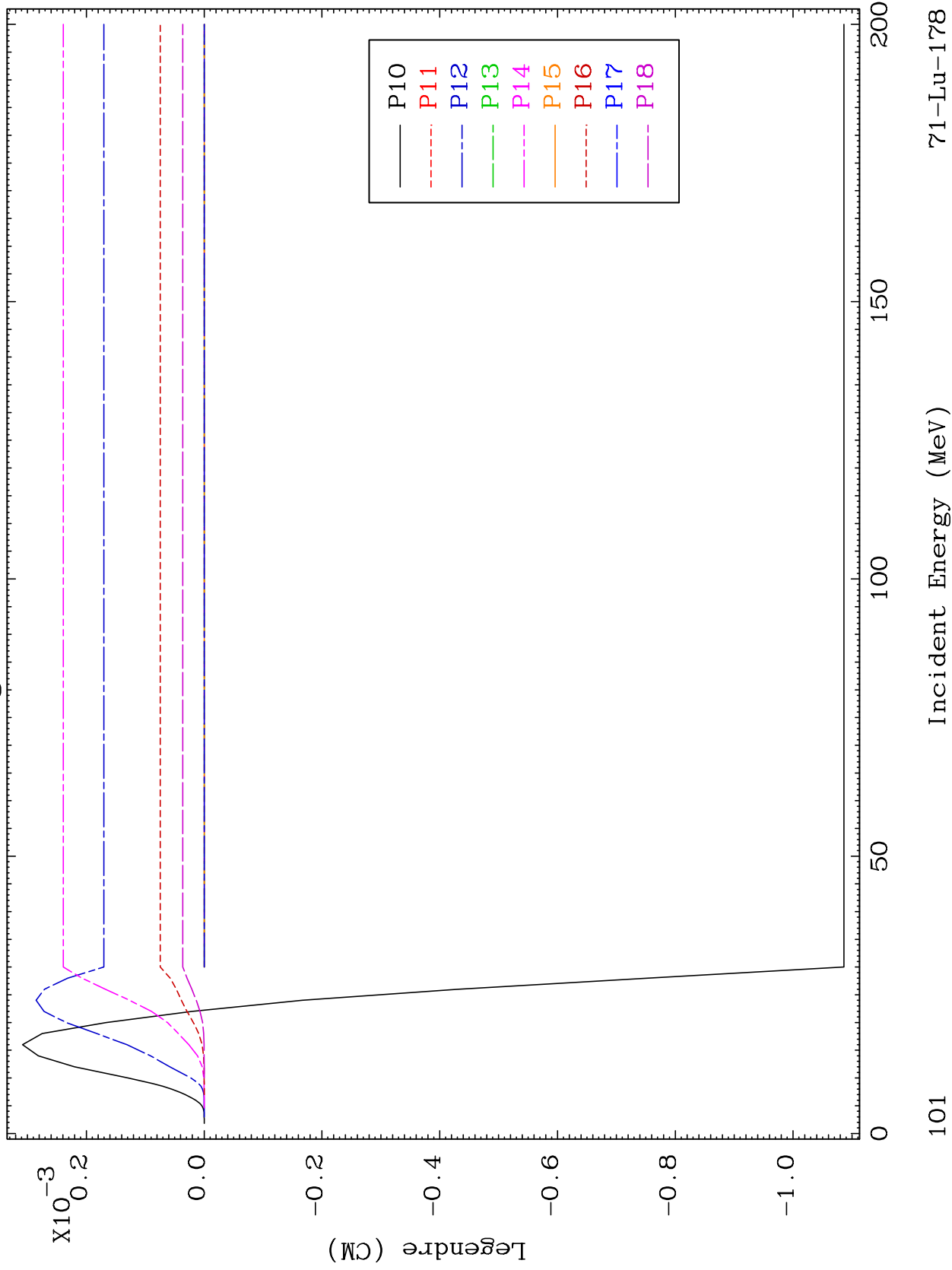




MAT 7134

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

71-Lu-178



101

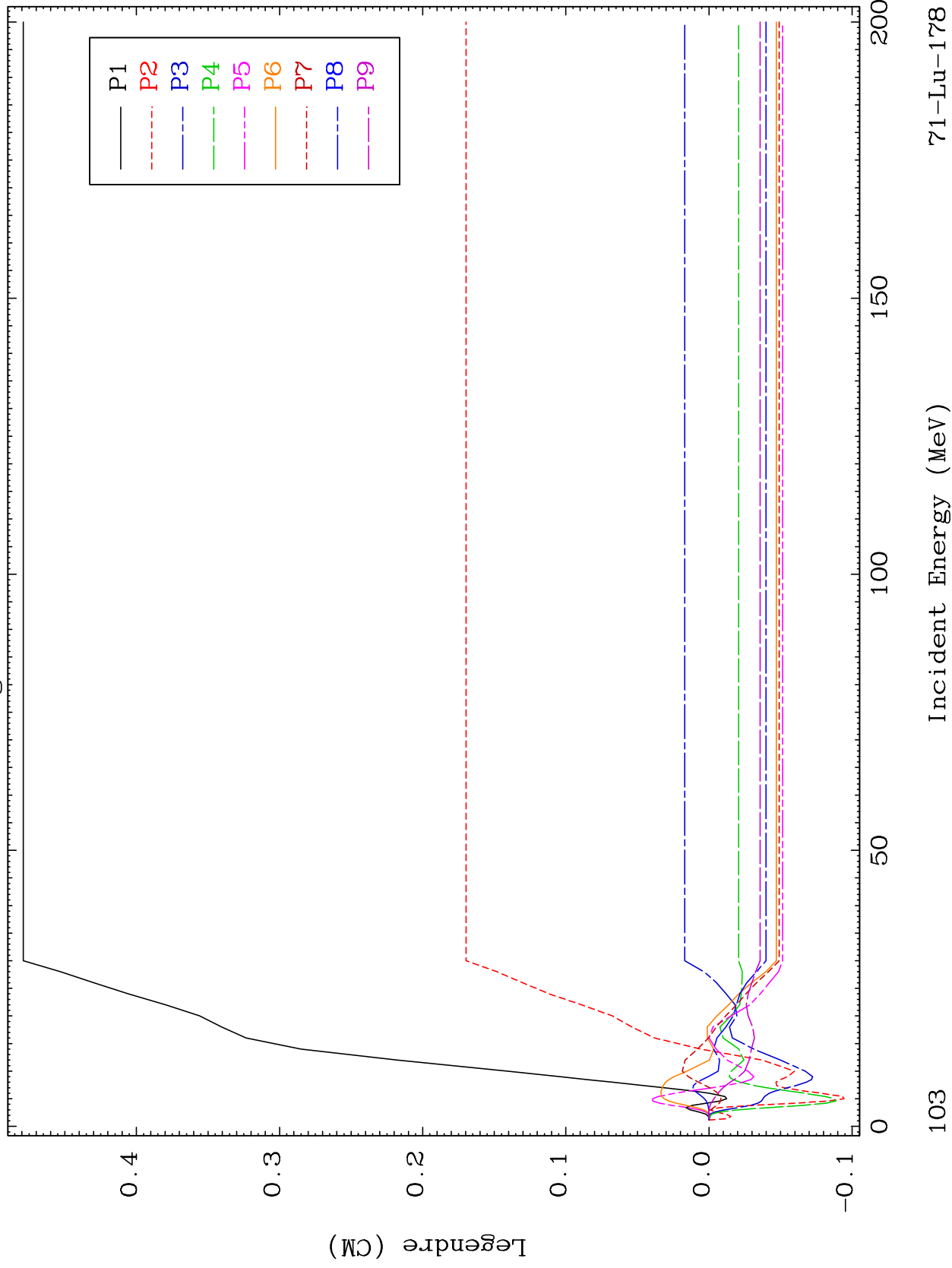
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178



71-Lu-178

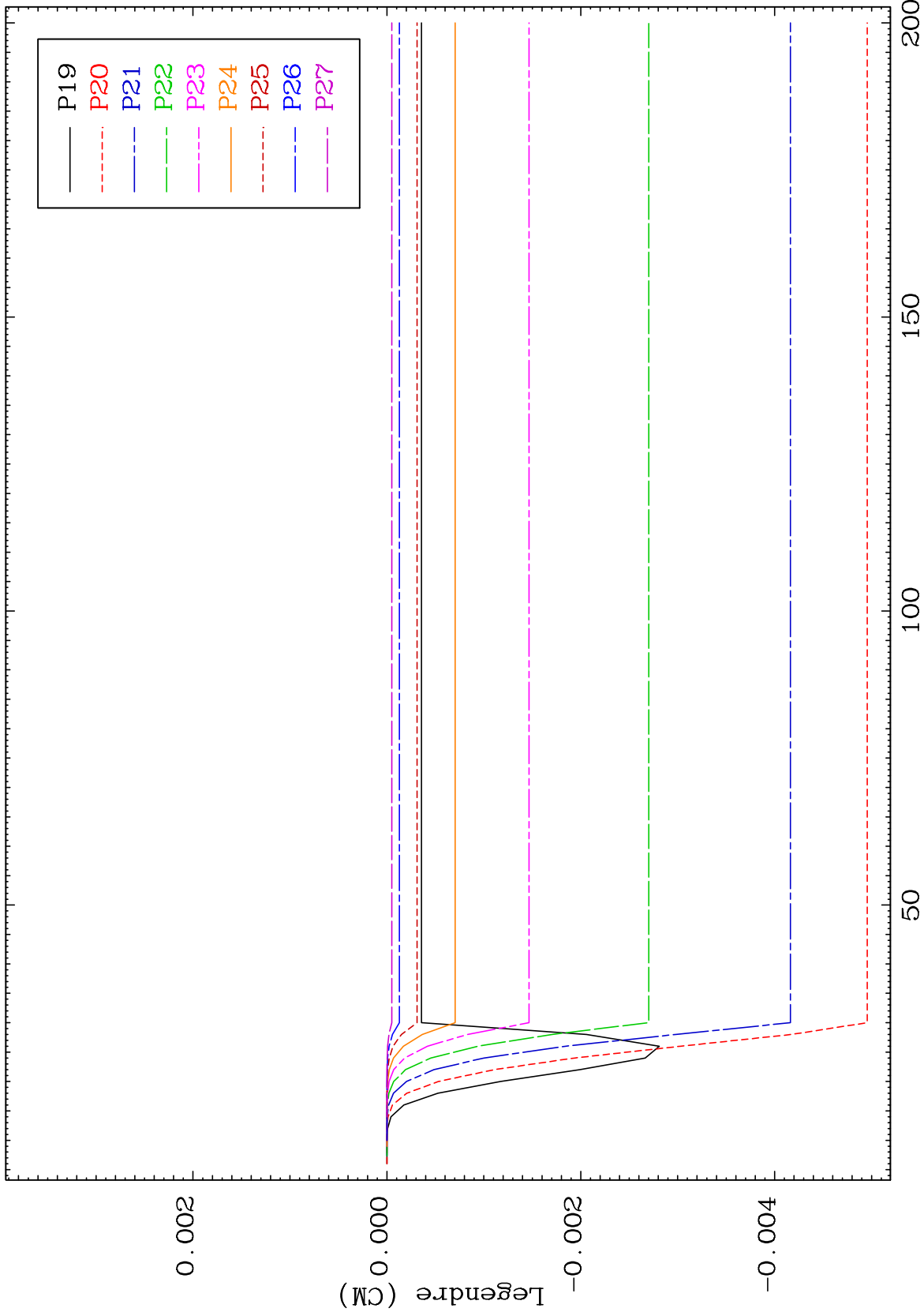
Incident Energy (MeV)

103

MAT 7134

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

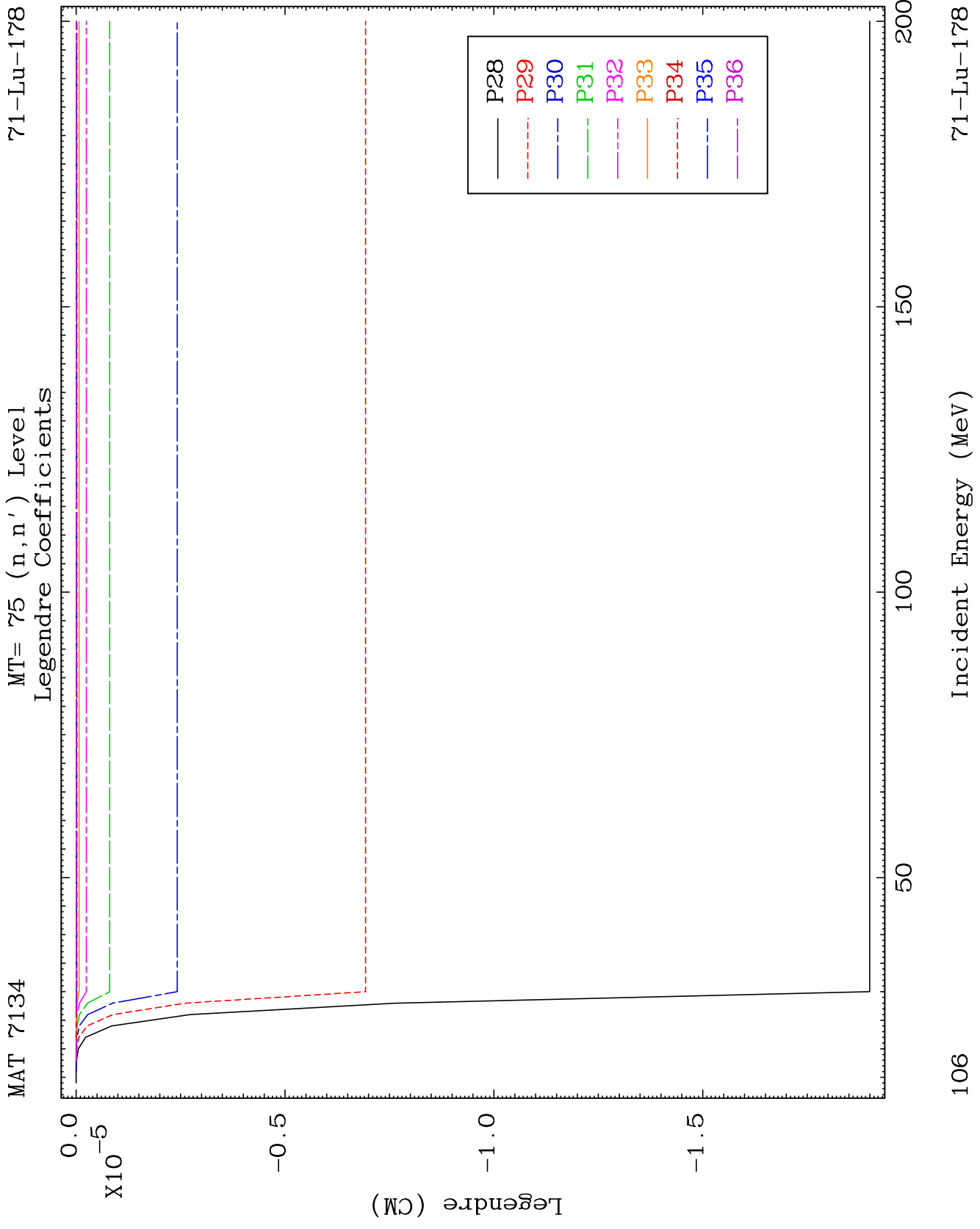
71-Lu-178



105

Incident Energy (MeV)

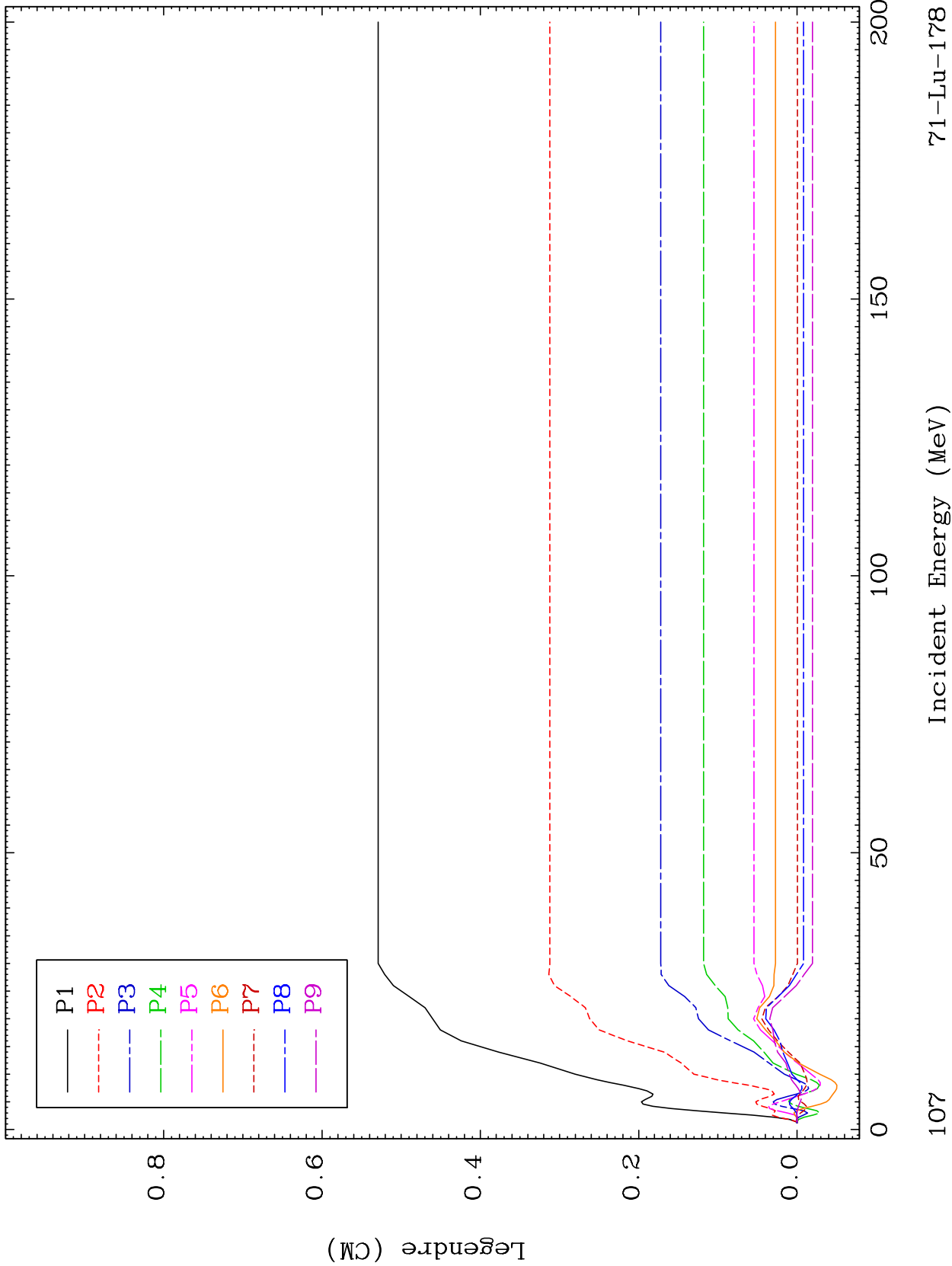
71-Lu-178



MAT 7134

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

71-Lu-178



71-Lu-178

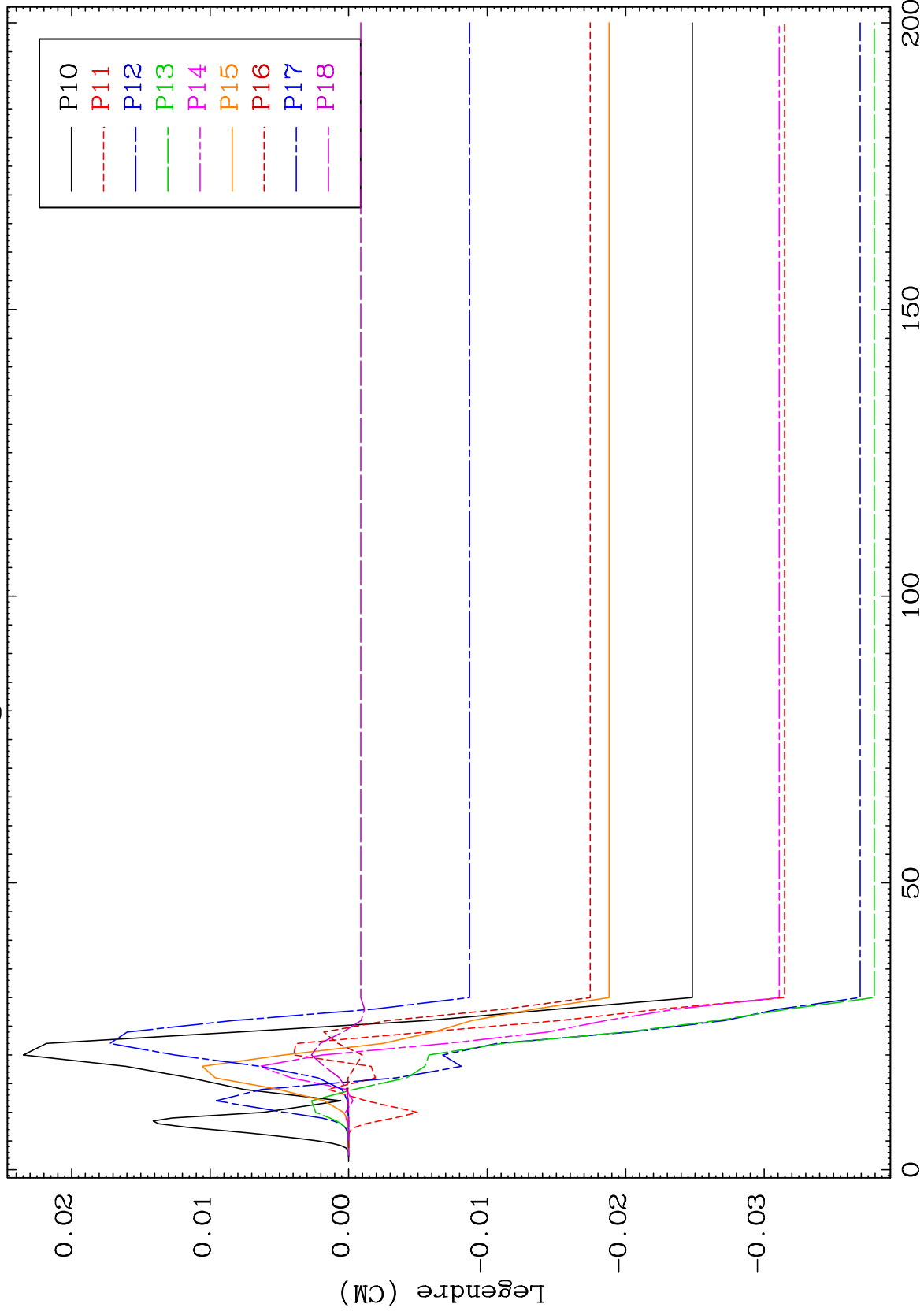
Incident Energy (MeV)

107

MAT 7134

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

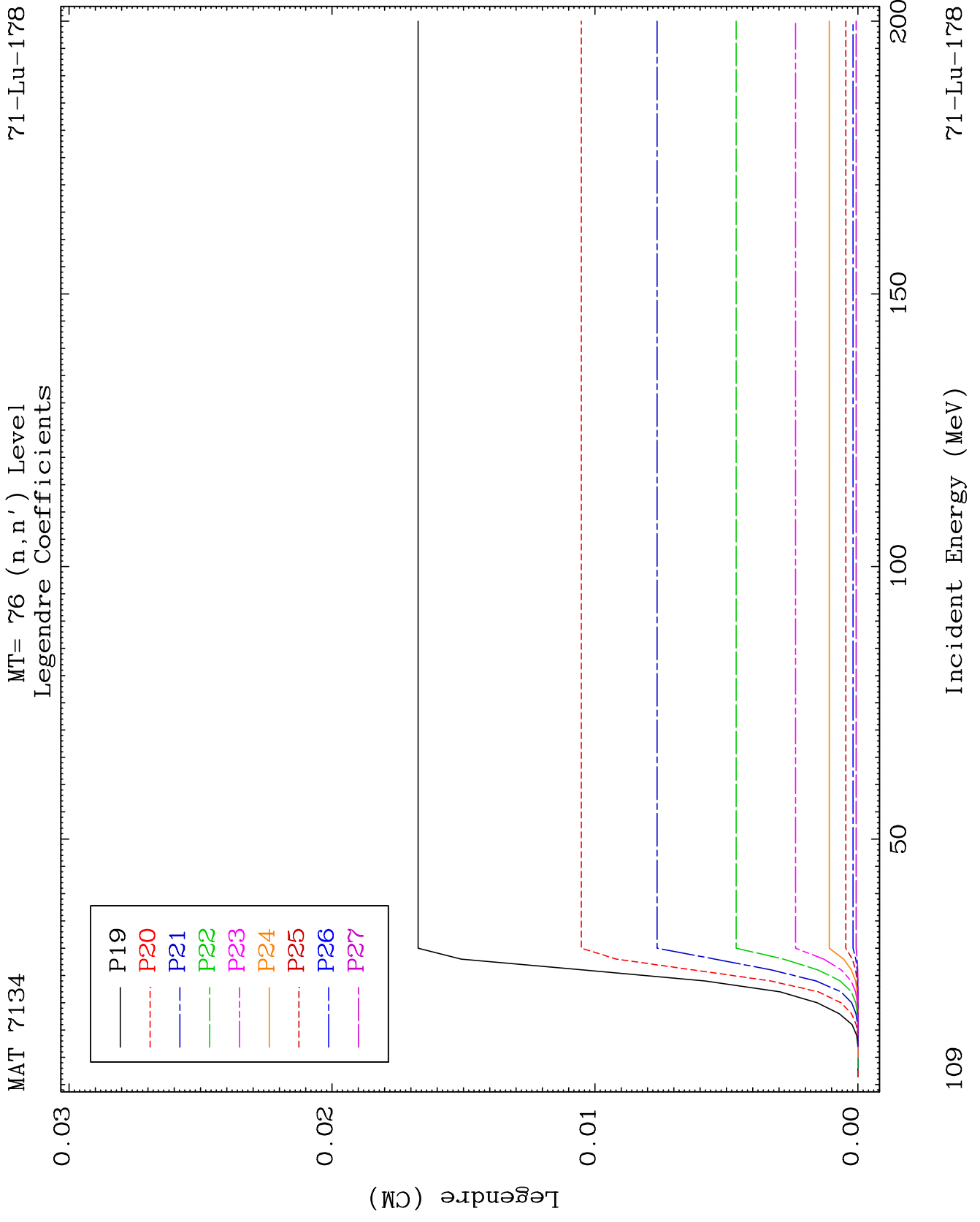
71-Lu-178



108

Incident Energy (MeV)

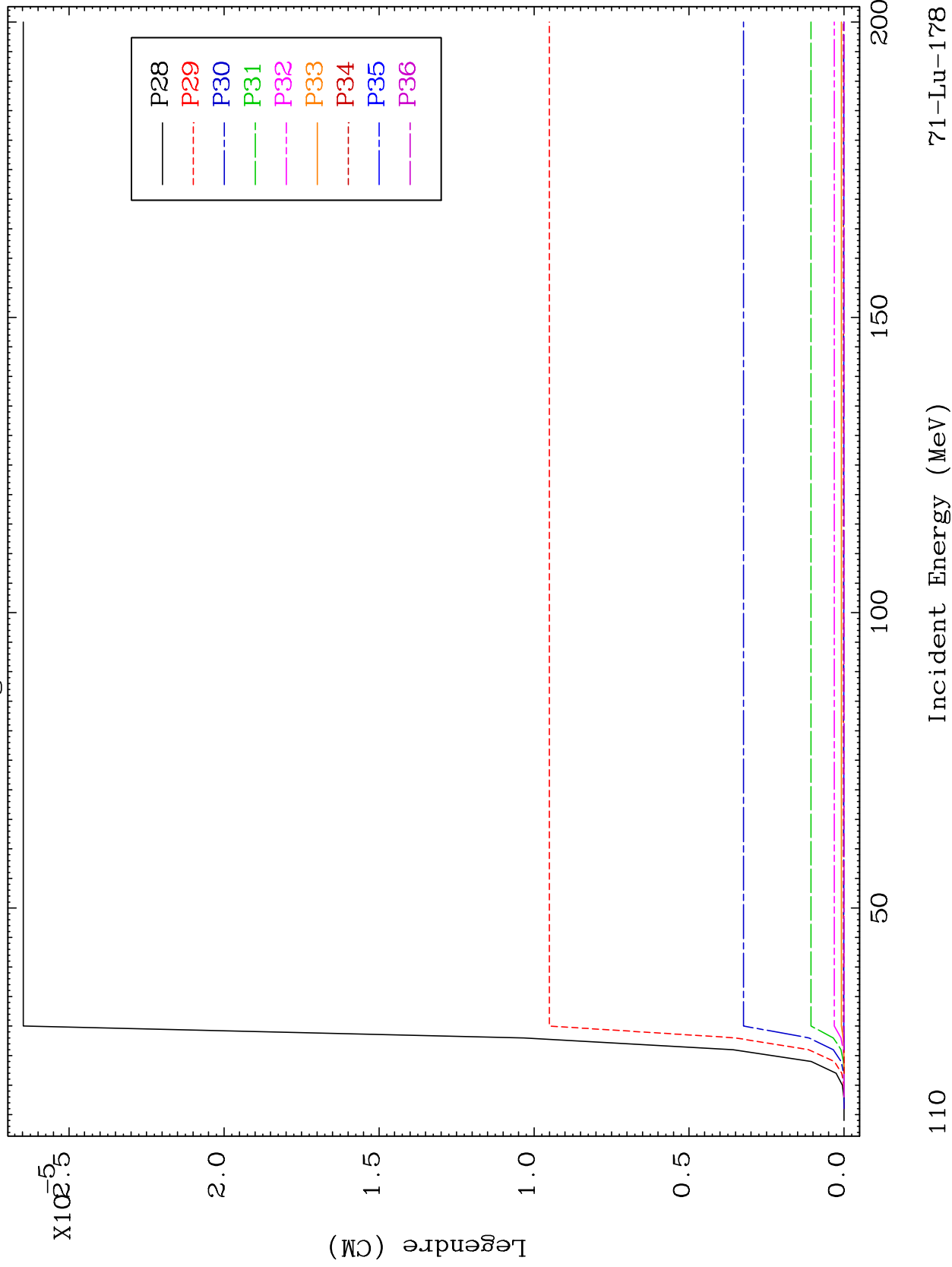
71-Lu-178

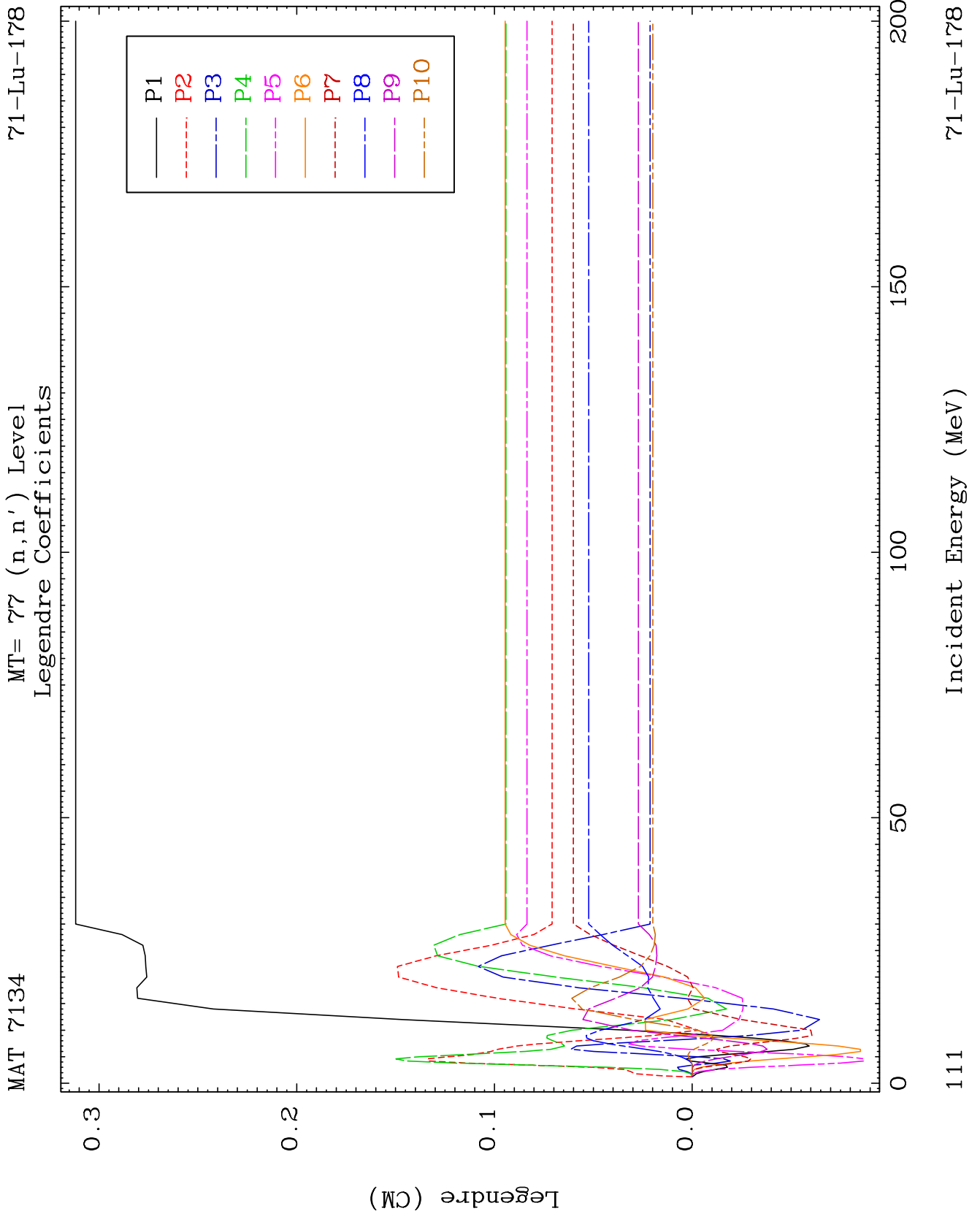


MAT 7134

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

71-Lu-178

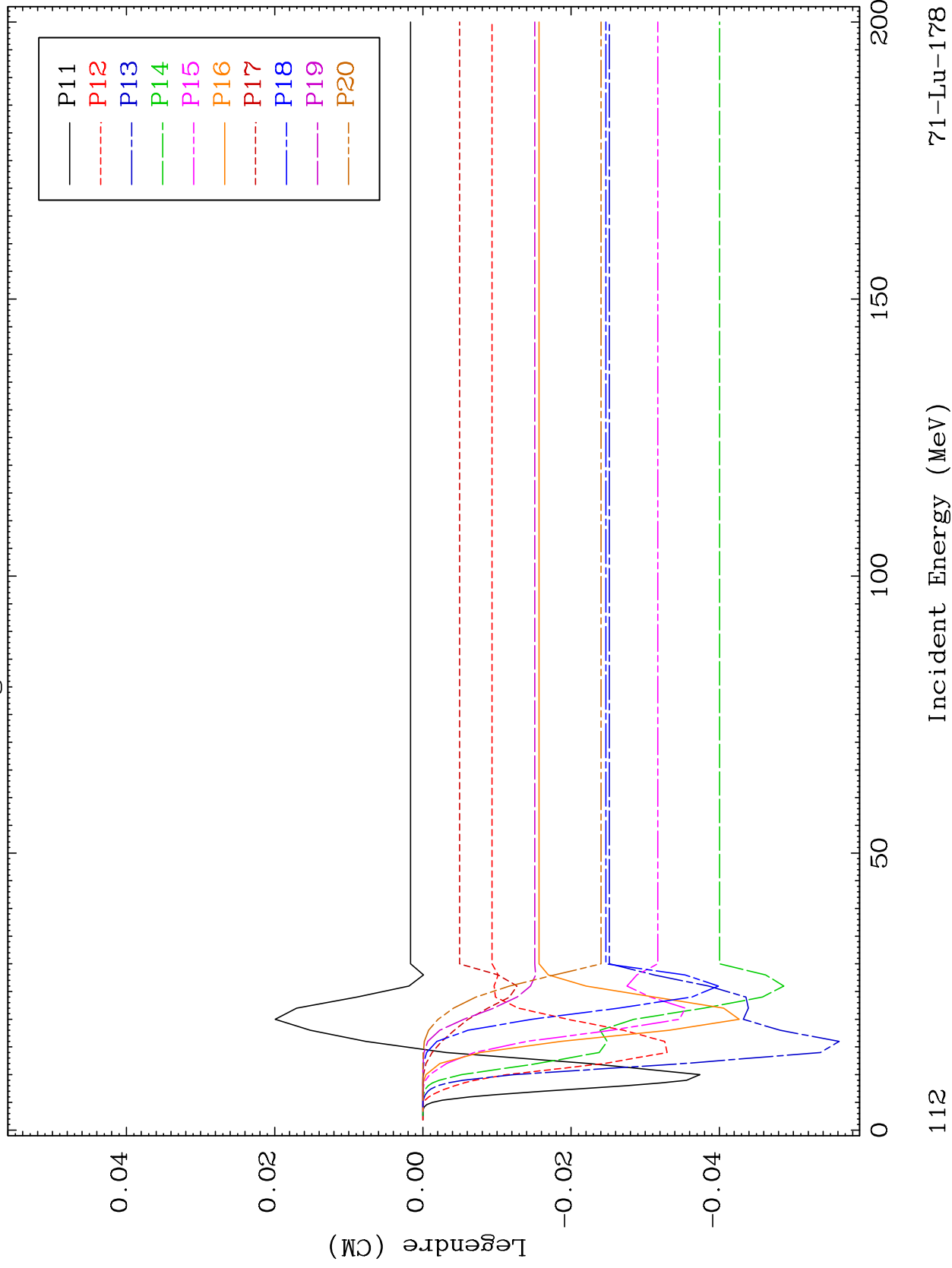




MAT 7134

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

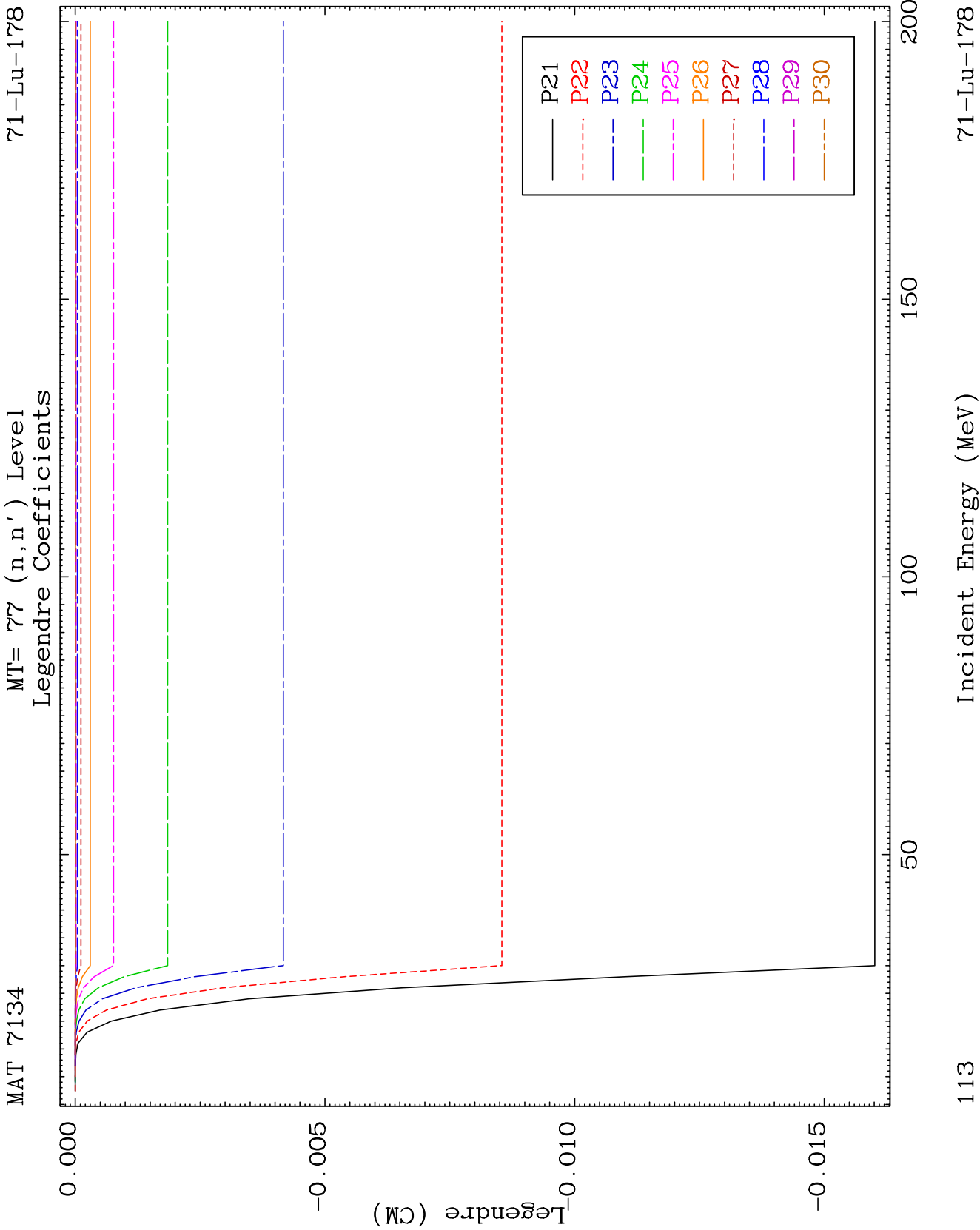
71-Lu-178

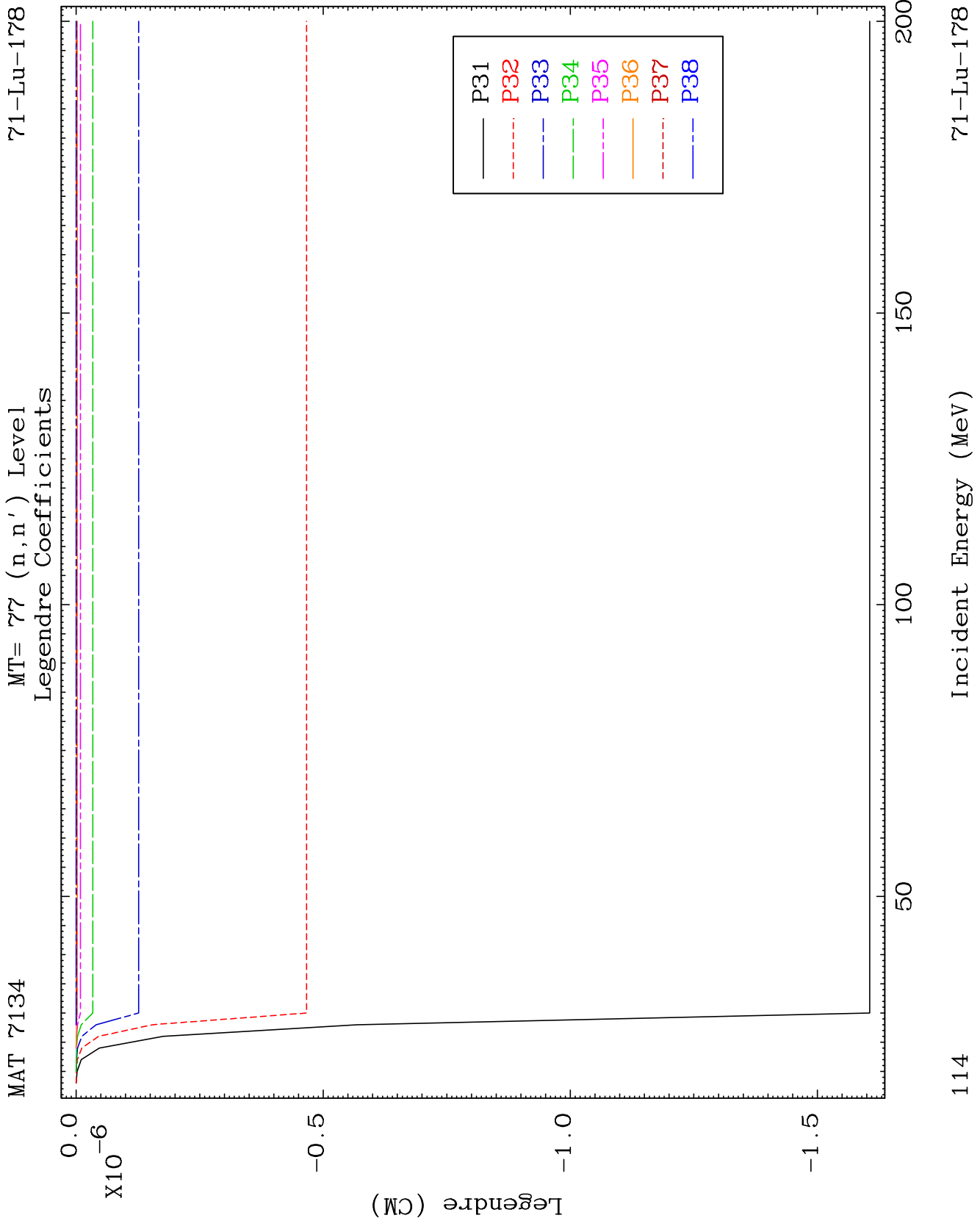


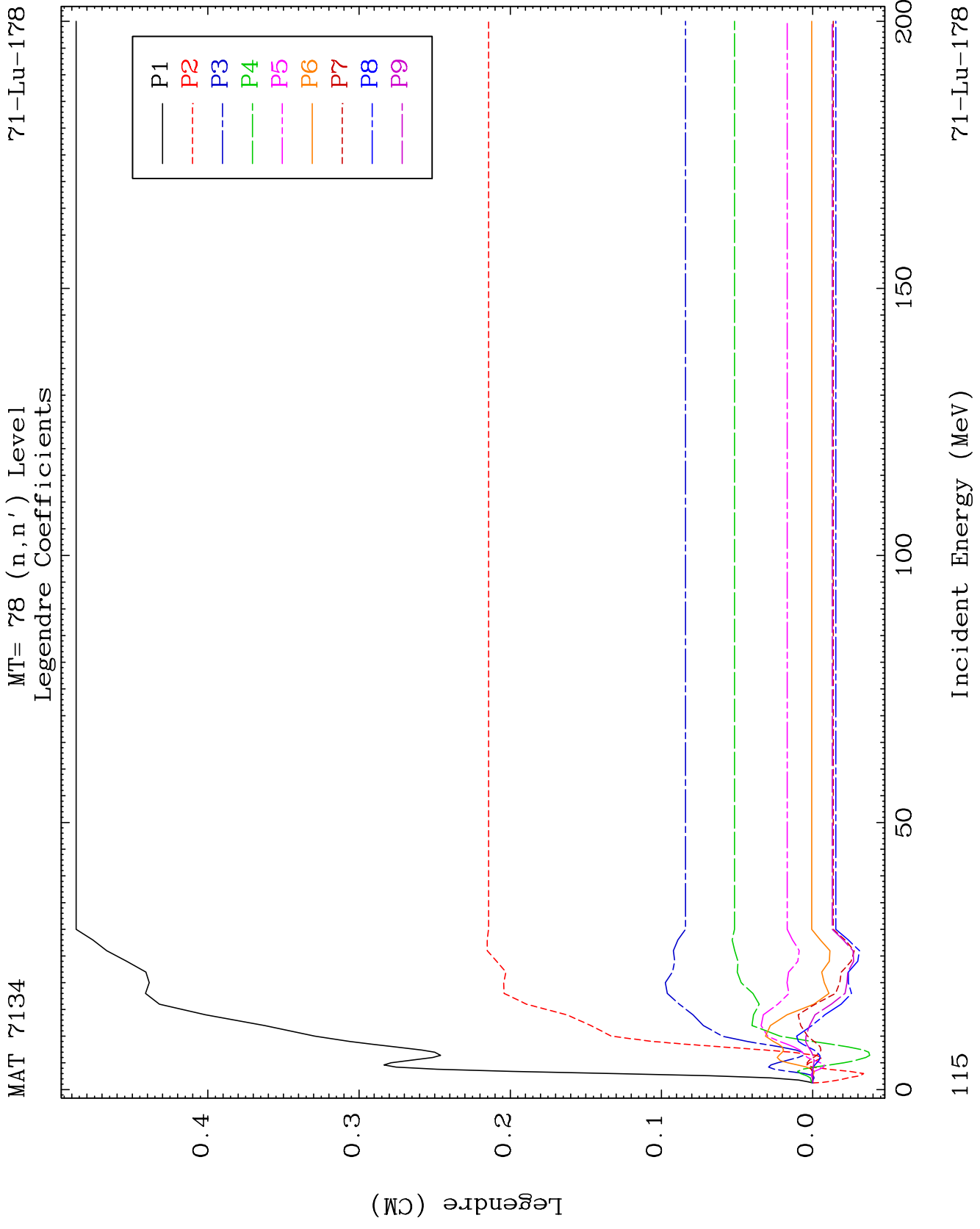
71-Lu-178

Incident Energy (MeV)

112



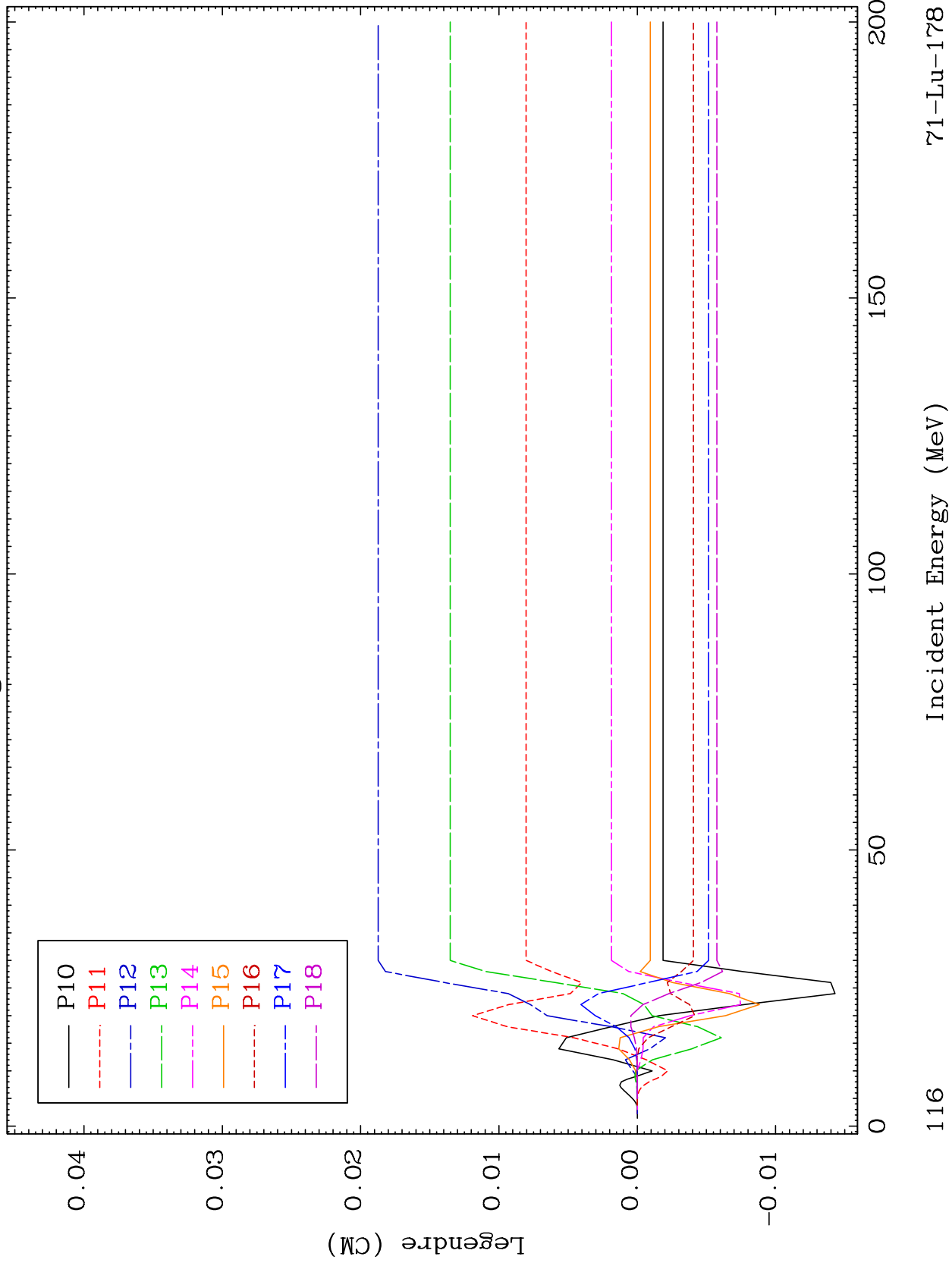




MAT 7134

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

71-Lu-178



116

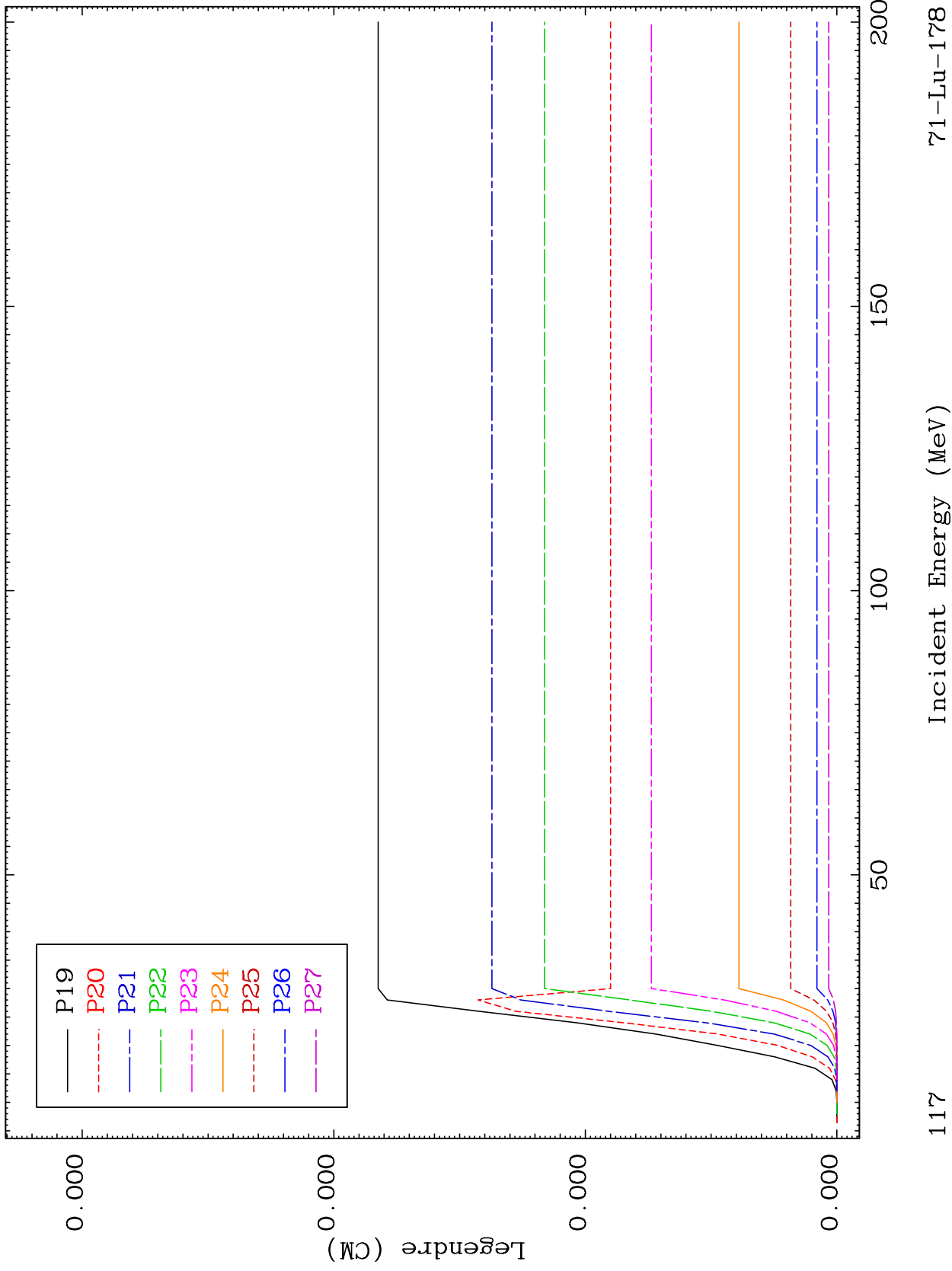
Incident Energy (MeV)

71-Lu-178

MAT 7134

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

71-Lu-178

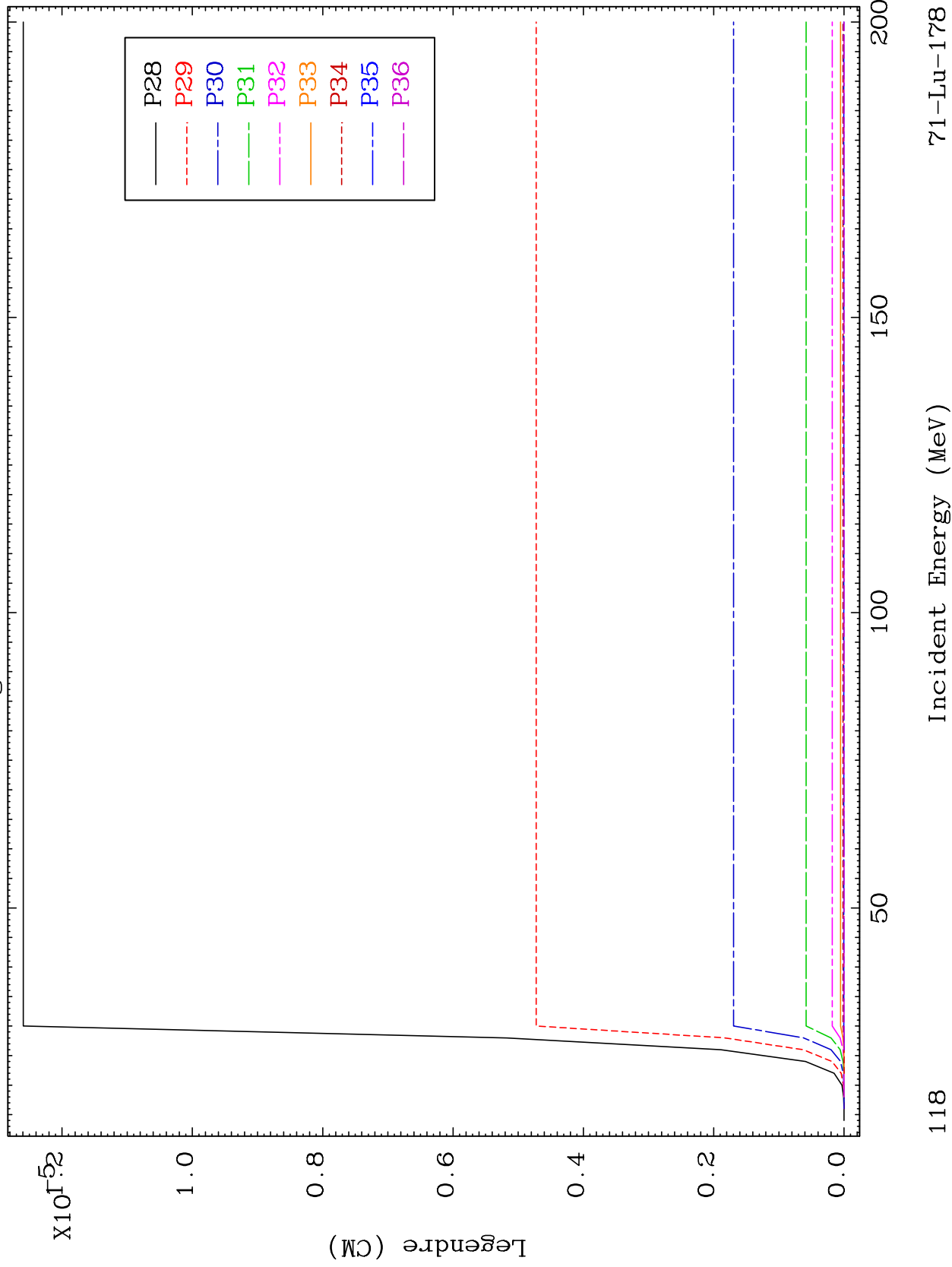


117

MAT 7134

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

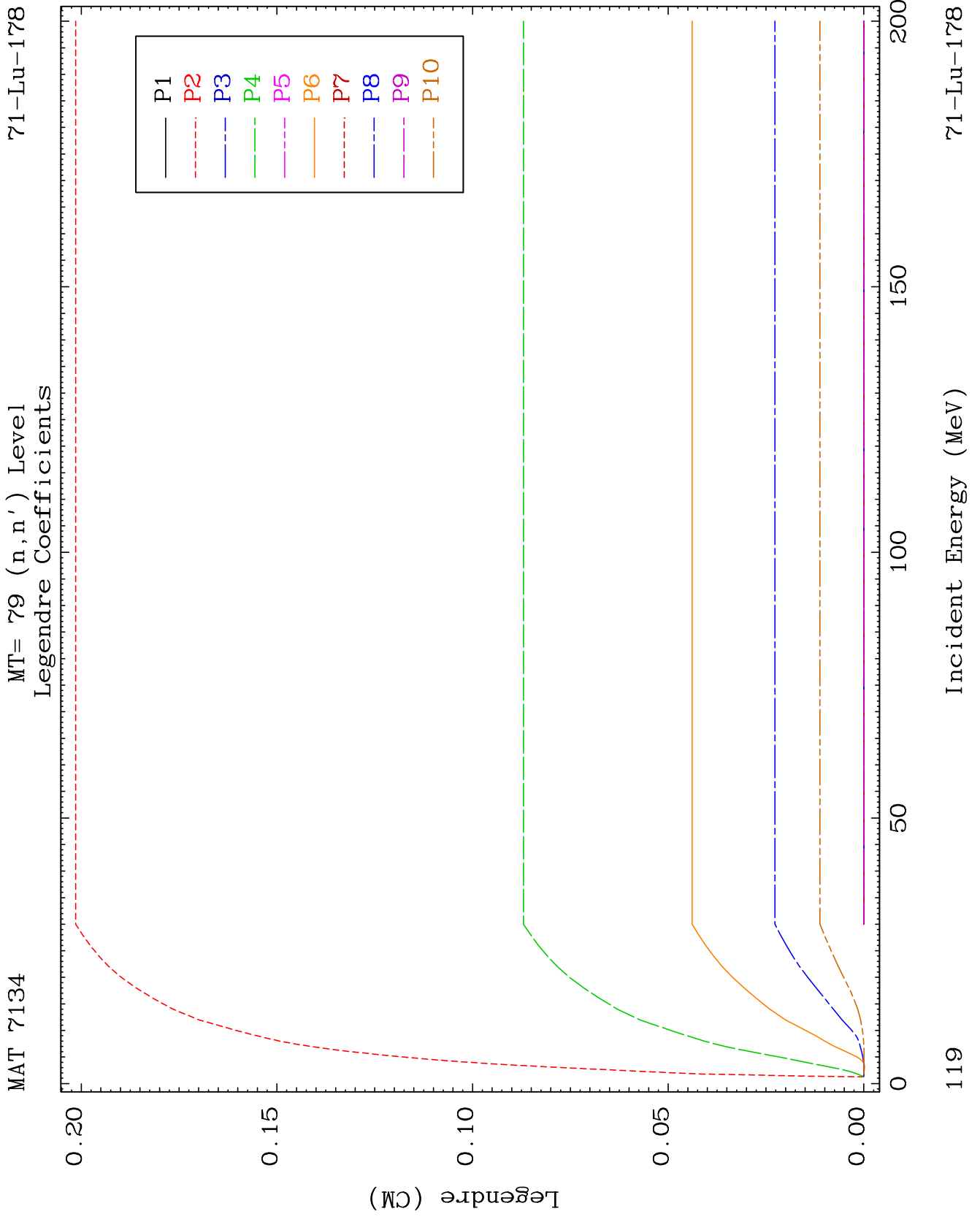
71-Lu-178

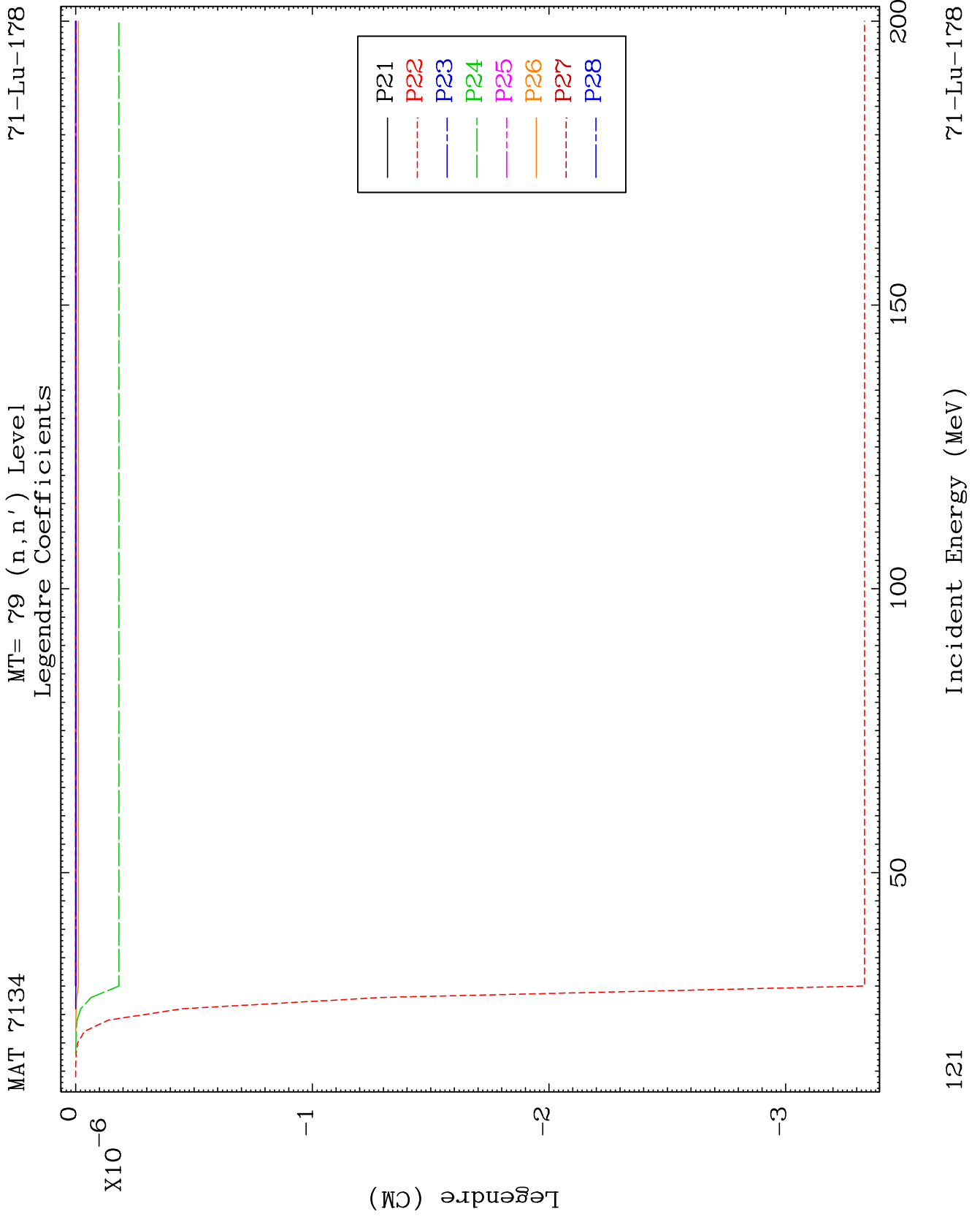


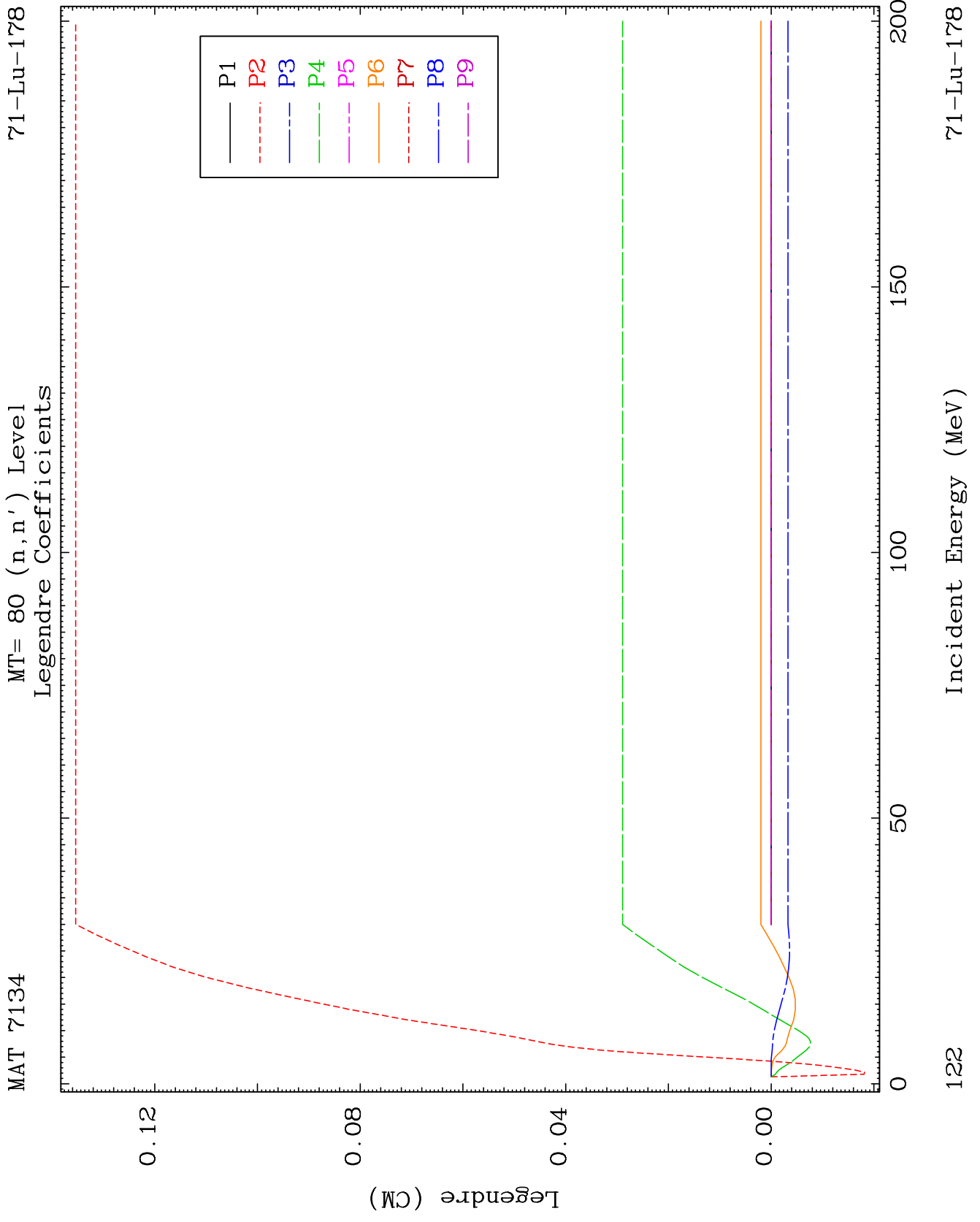
118

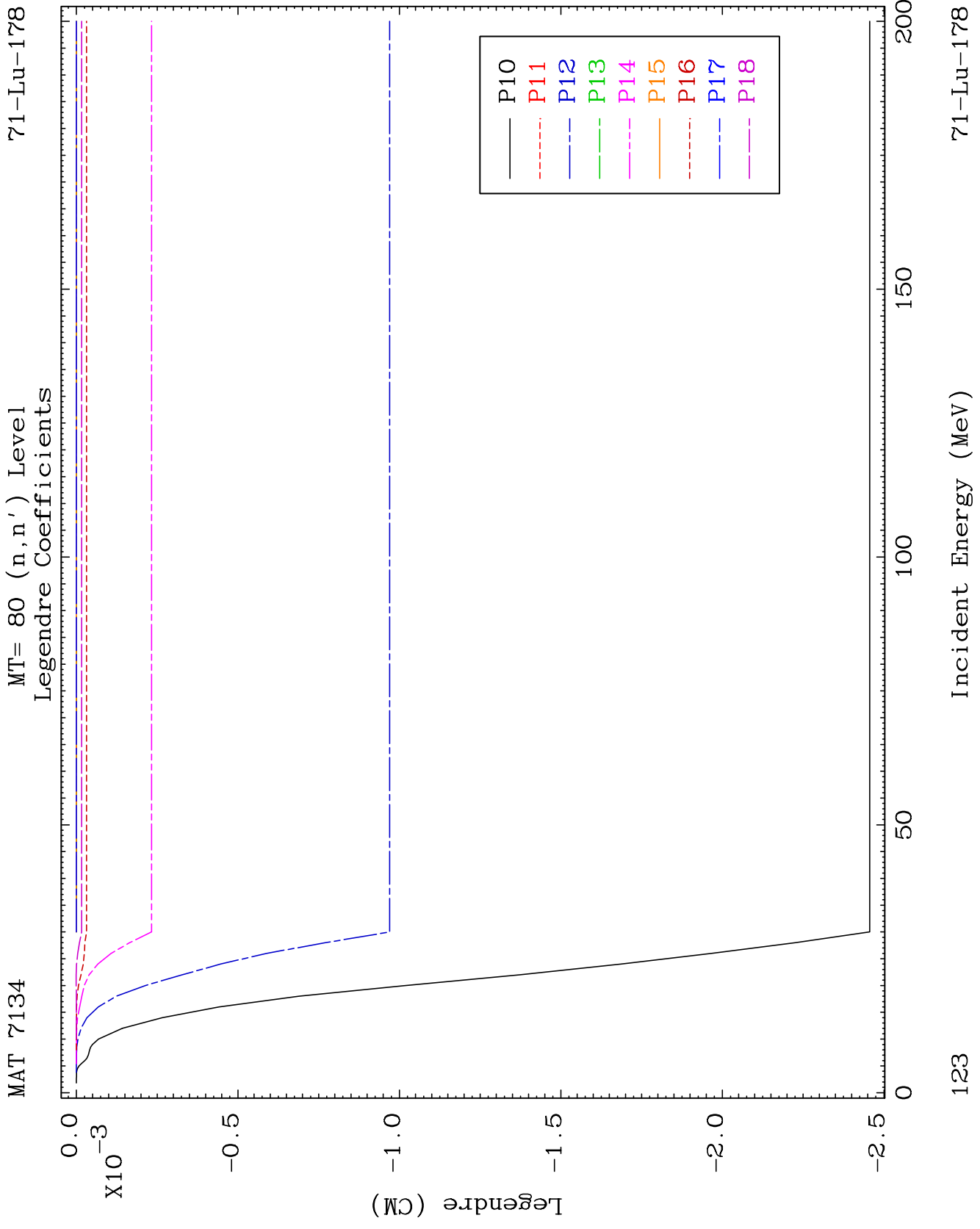
Incident Energy (MeV)

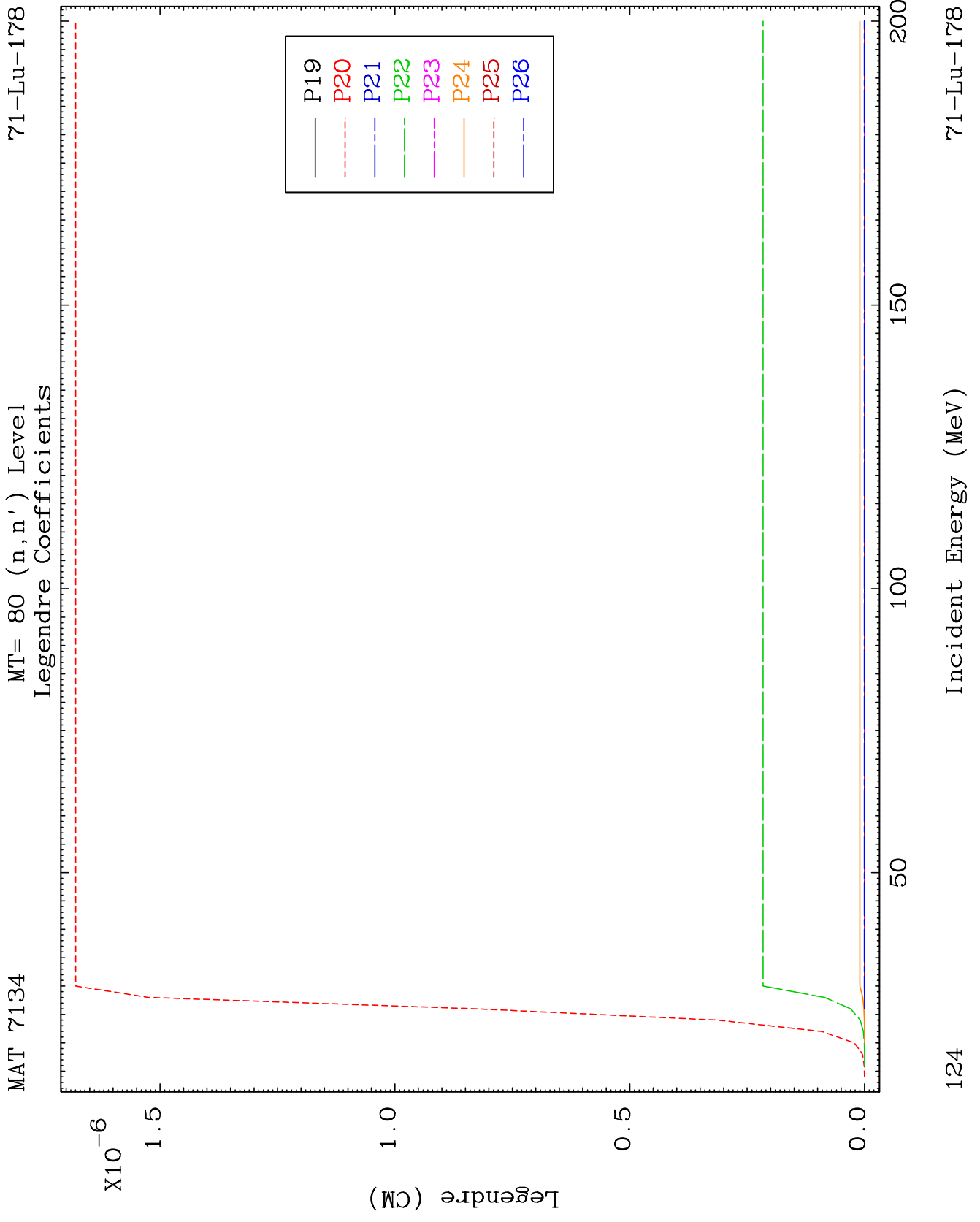
71-Lu-178







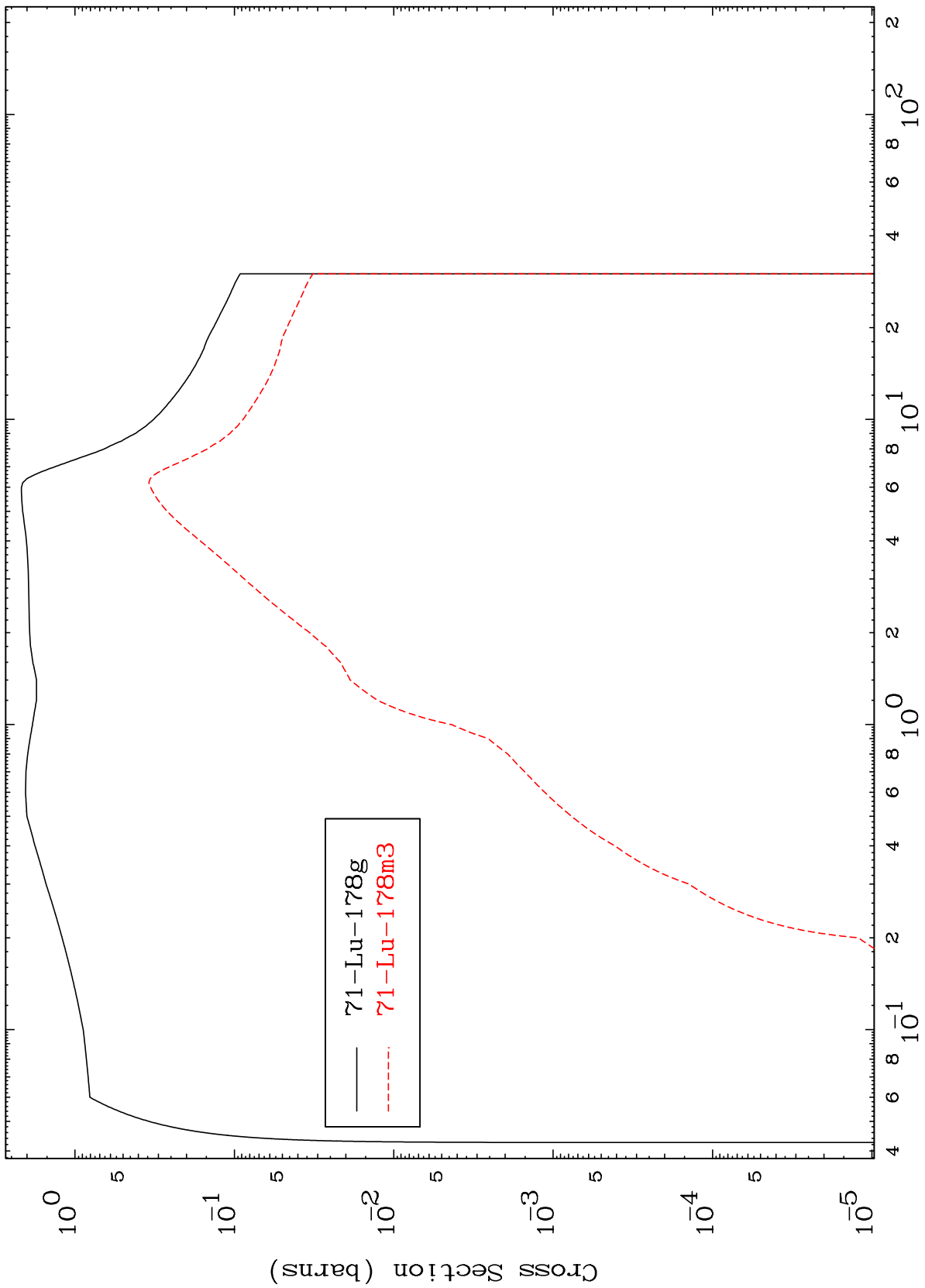




MAT 7134

71-Lu-178

Inelastic
Radionuclide Production Cross Section



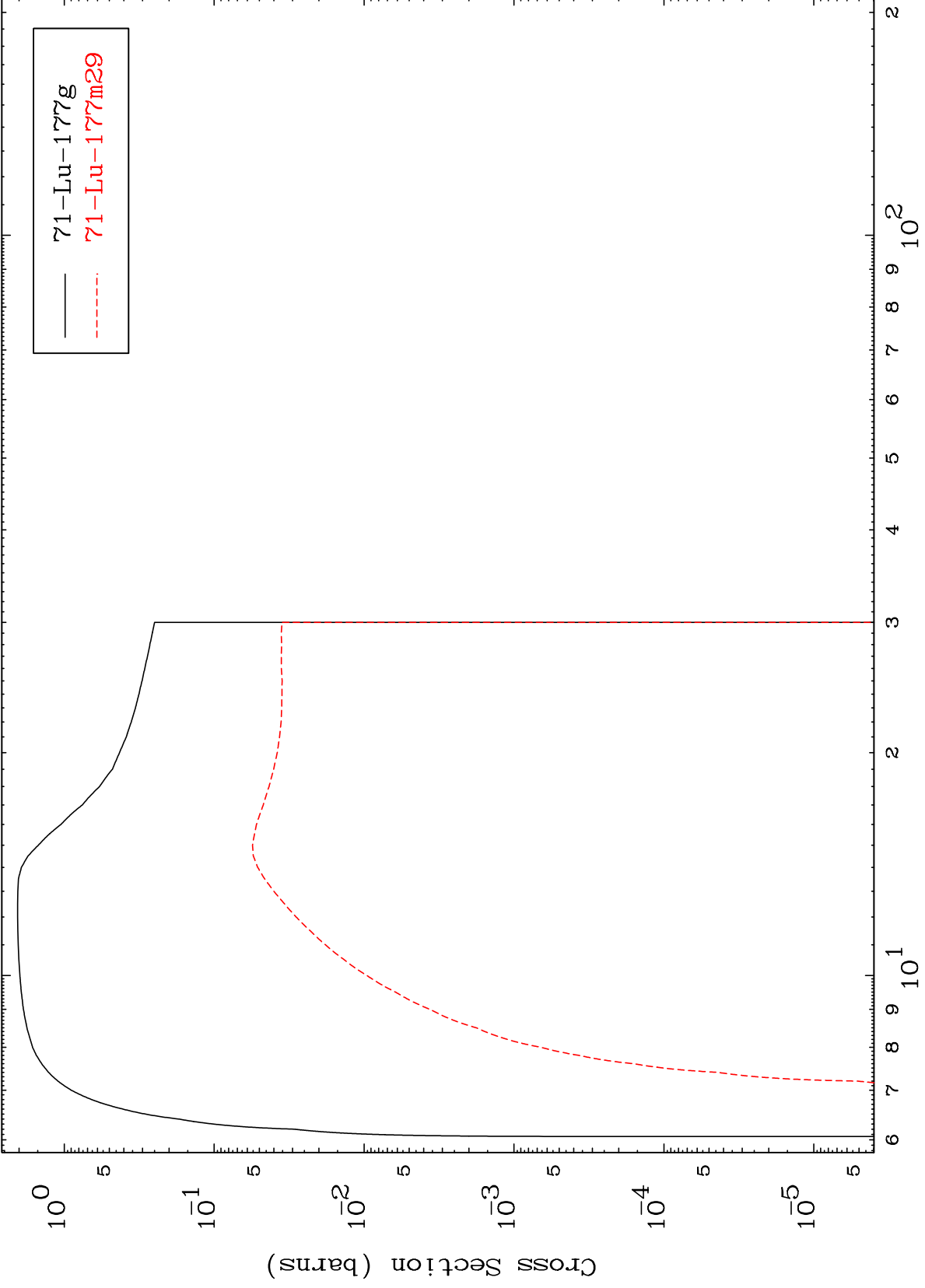
125

71-Lu-178

MAT 7134

71-Lu-178

(n,2n)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

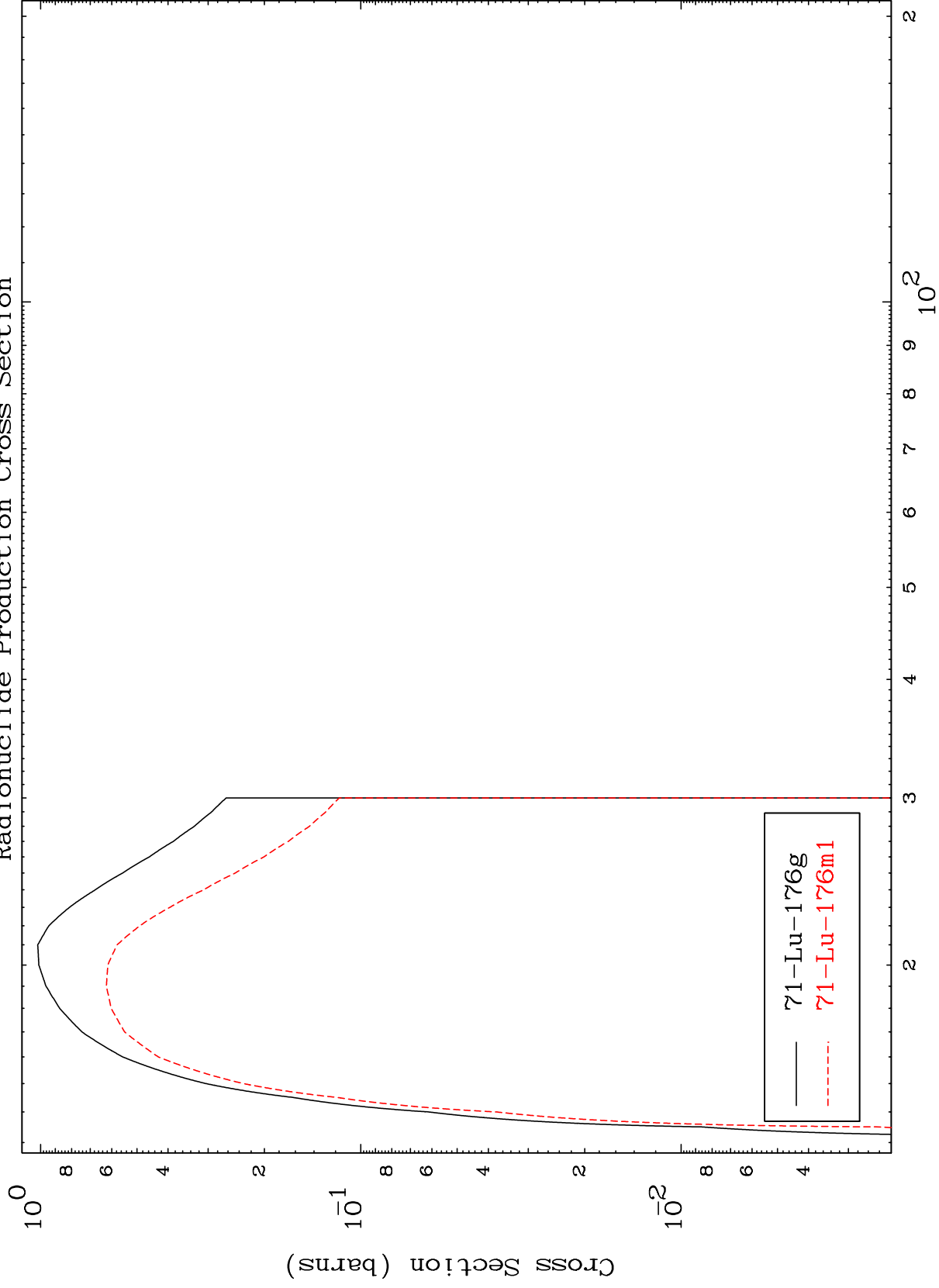
71-Lu-178

MAT 7134

(n,3n)

71-Lu-178

Radionuclide Production Cross Section



127

Incident Energy (MeV)

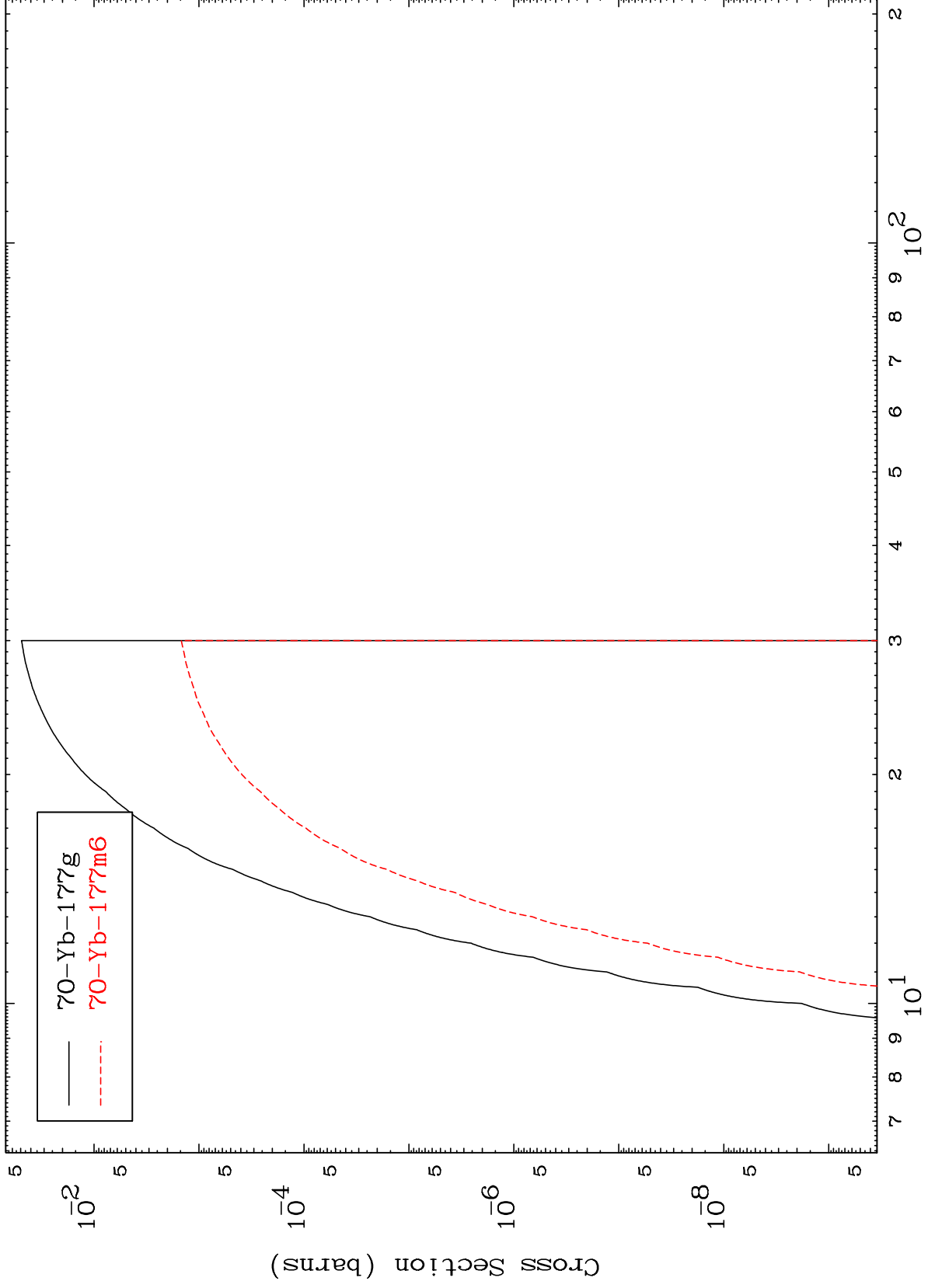
71-Lu-178

MAT 7134

(n,n') p

71-Lu-178

Radionuclide Production Cross Section



128

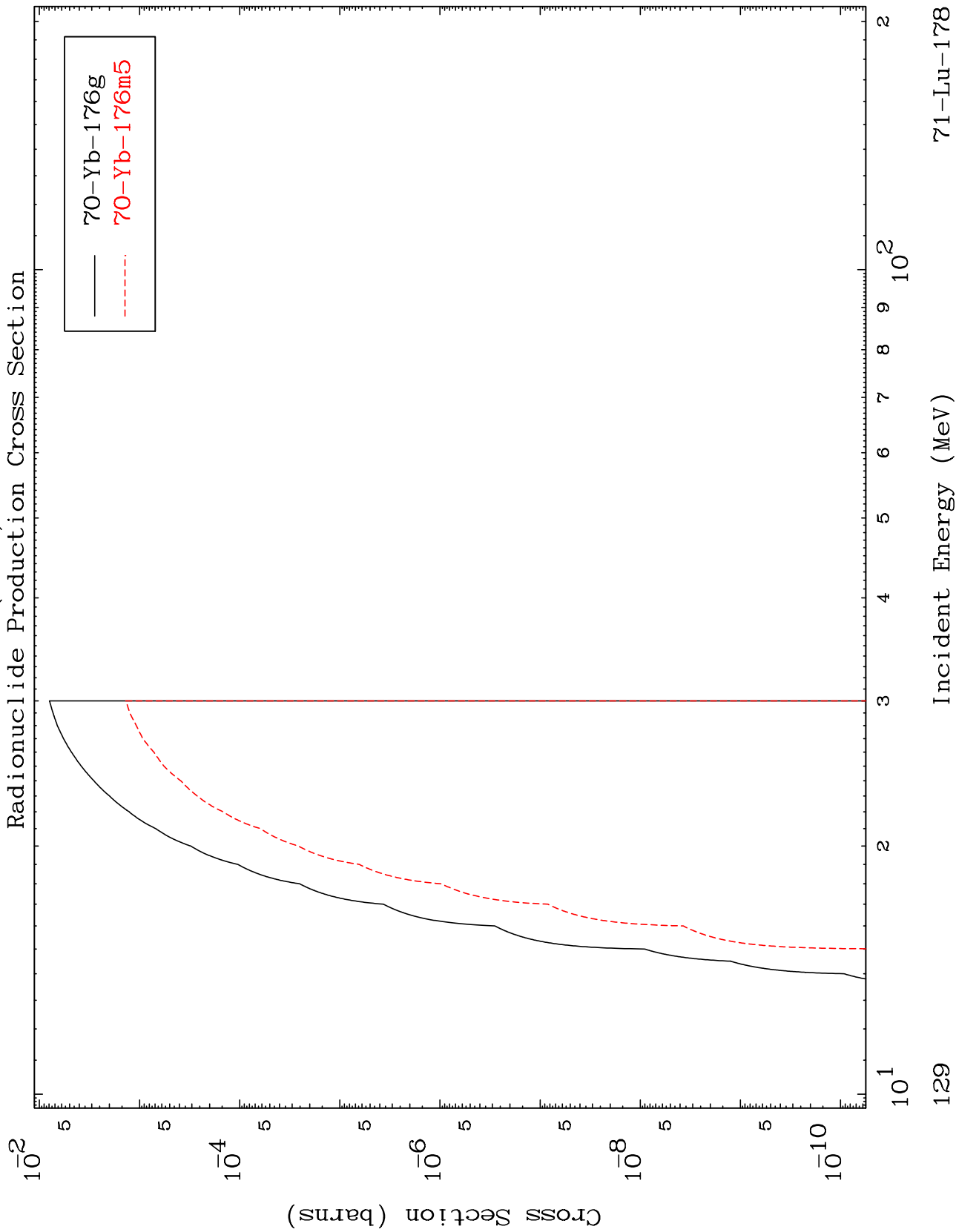
Incident Energy (MeV)

71-Lu-178

MAT 7134

(n,n') d

71-Lu-178



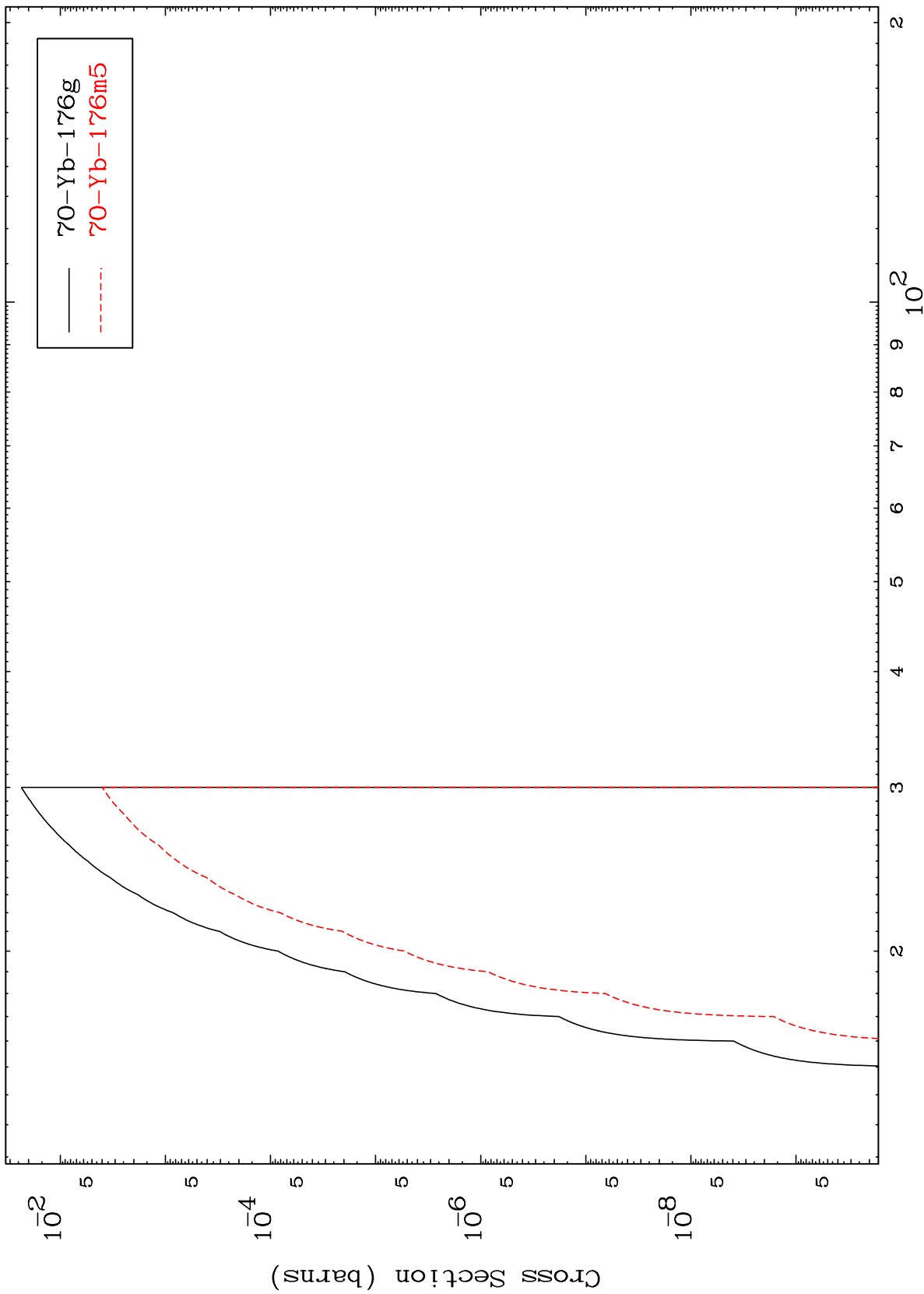
129

MAT 7134

(n,2n) p

71-Lu-178

Radionuclide Production Cross Section



70-Yb-176g
70-Yb-176m5

130

Incident Energy (MeV)

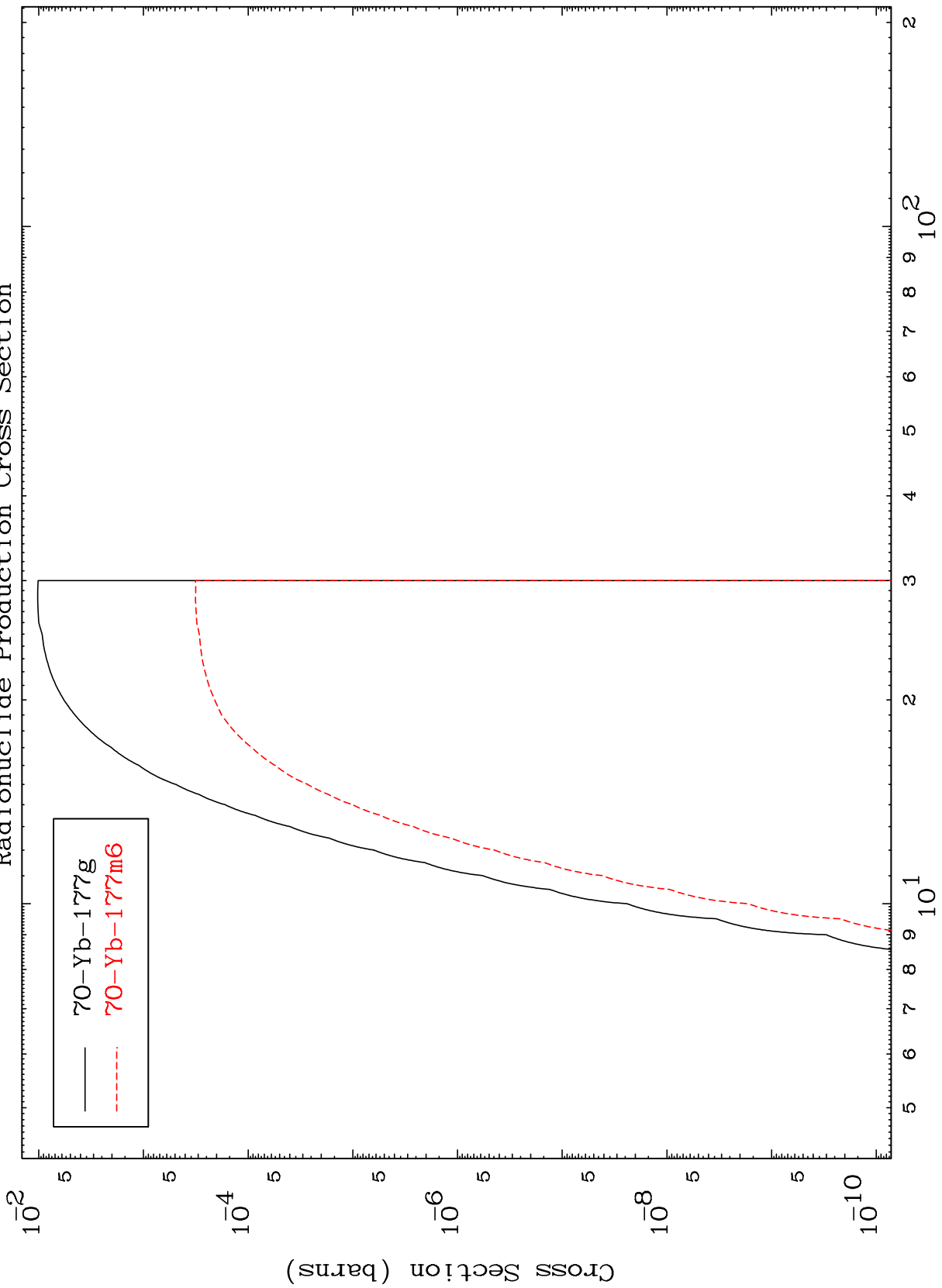
71-Lu-178

MAT 7134

(n,d)

⁷¹Lu-178

Radionuclide Production Cross Section



— ⁷⁰Yb-177g
- - - ⁷⁰Yb-177m6

131

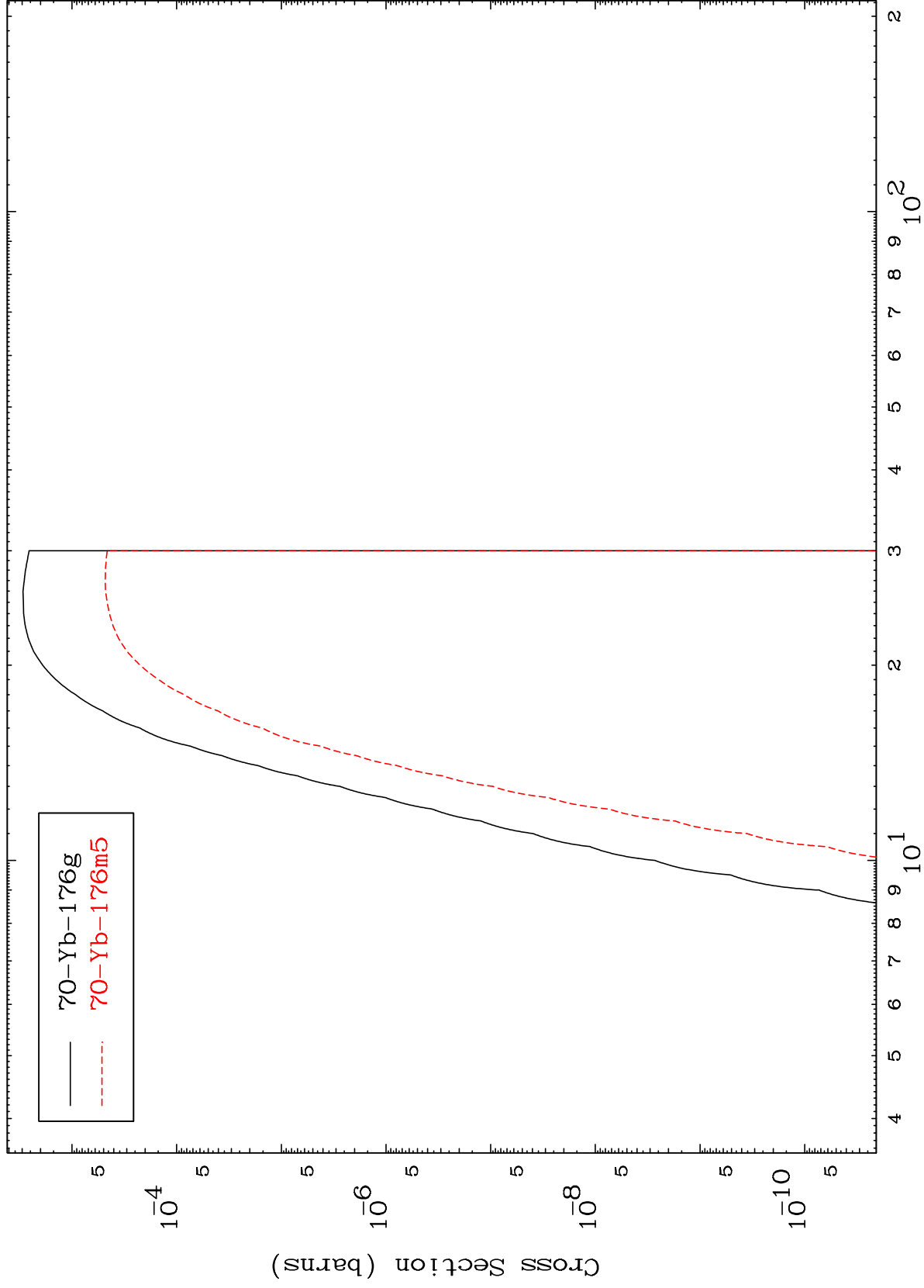
Incident Energy (MeV)

⁷¹Lu-178

MAT 7134

71-Lu-178

(n, t)
Radionuclide Production Cross Section



132

Incident Energy (MeV)

71-Lu-178