

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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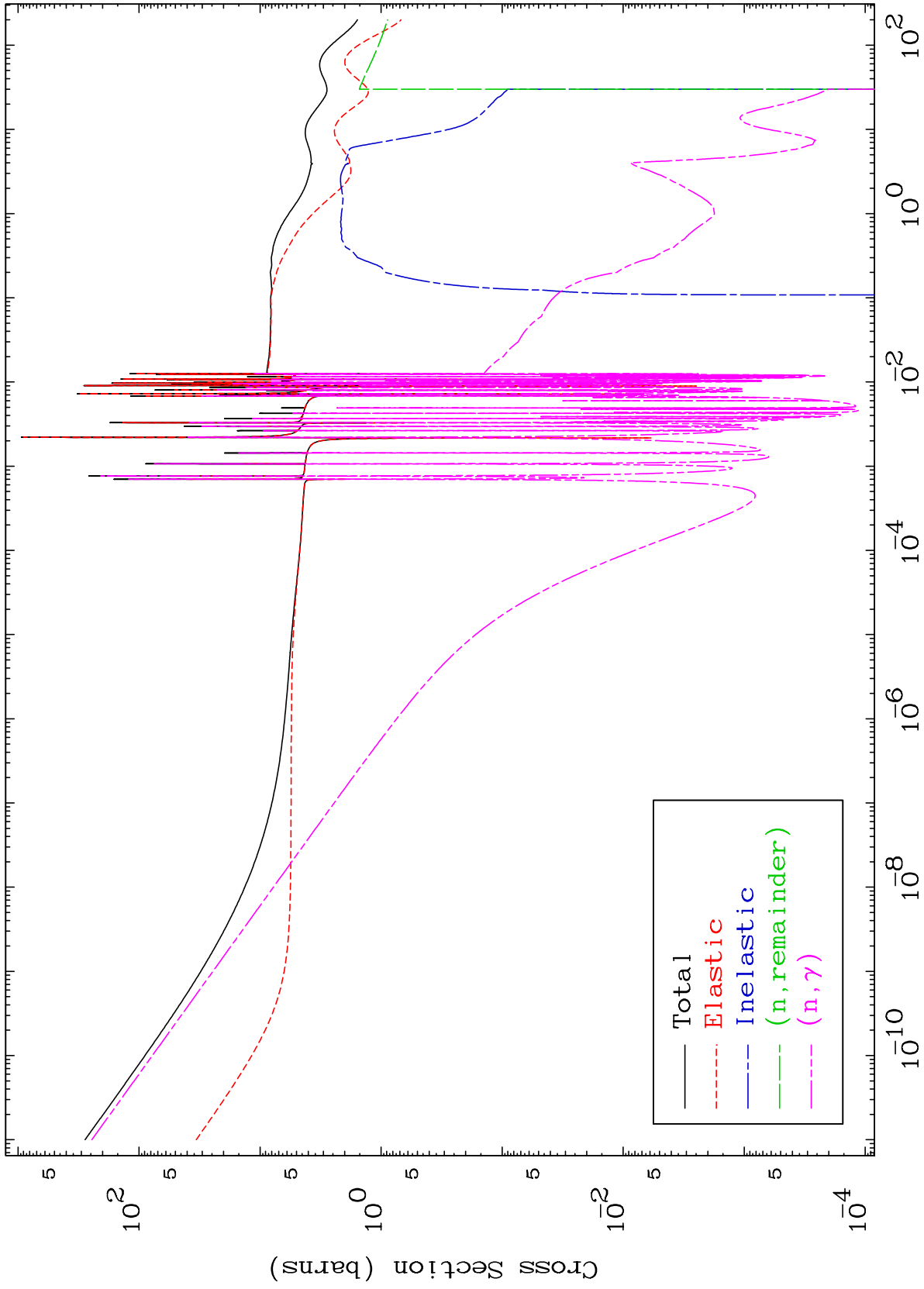
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3740

Major
293 Kelvin Cross Sections

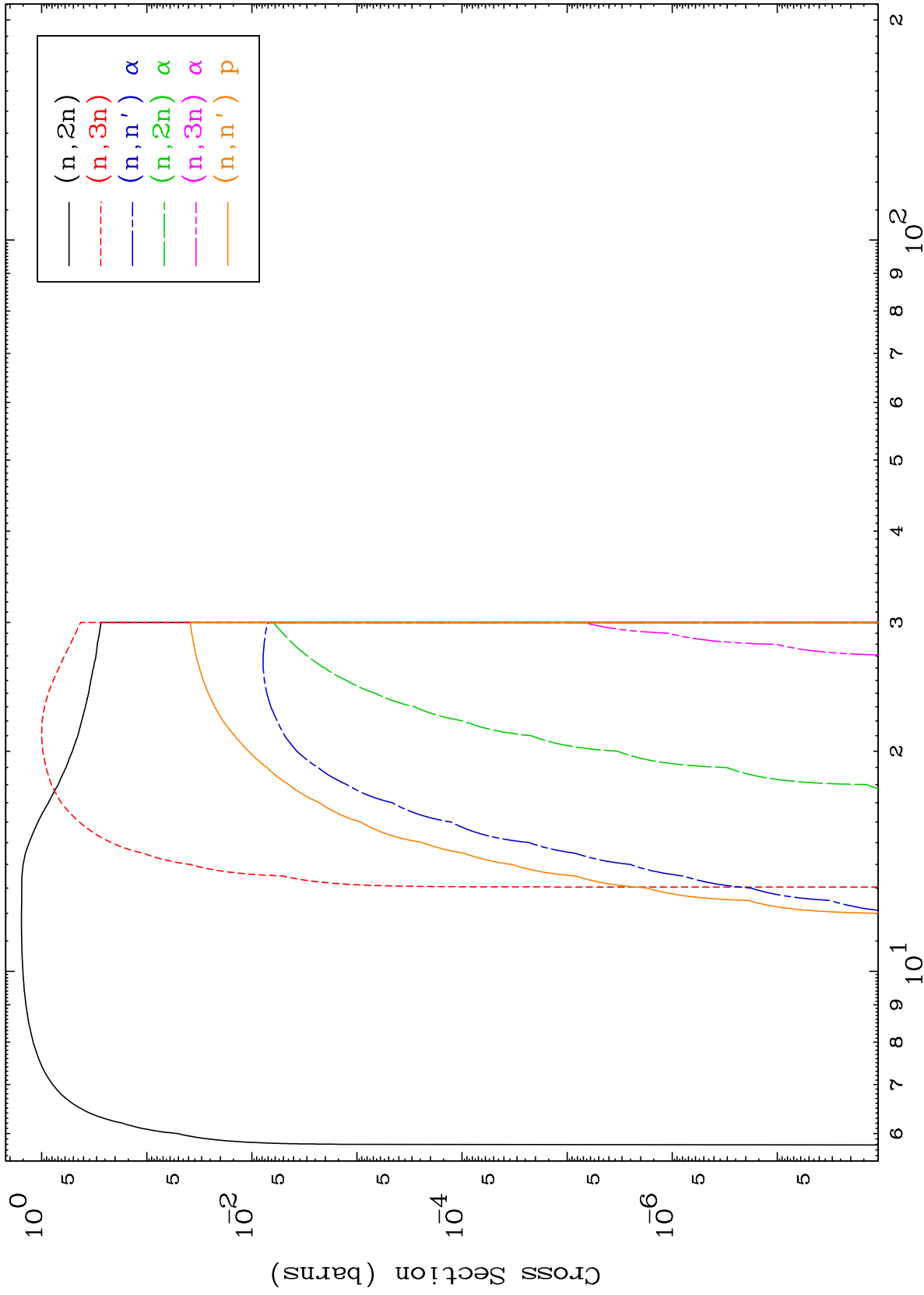
37-Rb-90



MAT 3740

Neutron Production
293 Kelvin Cross Sections

37-Rb-90



2

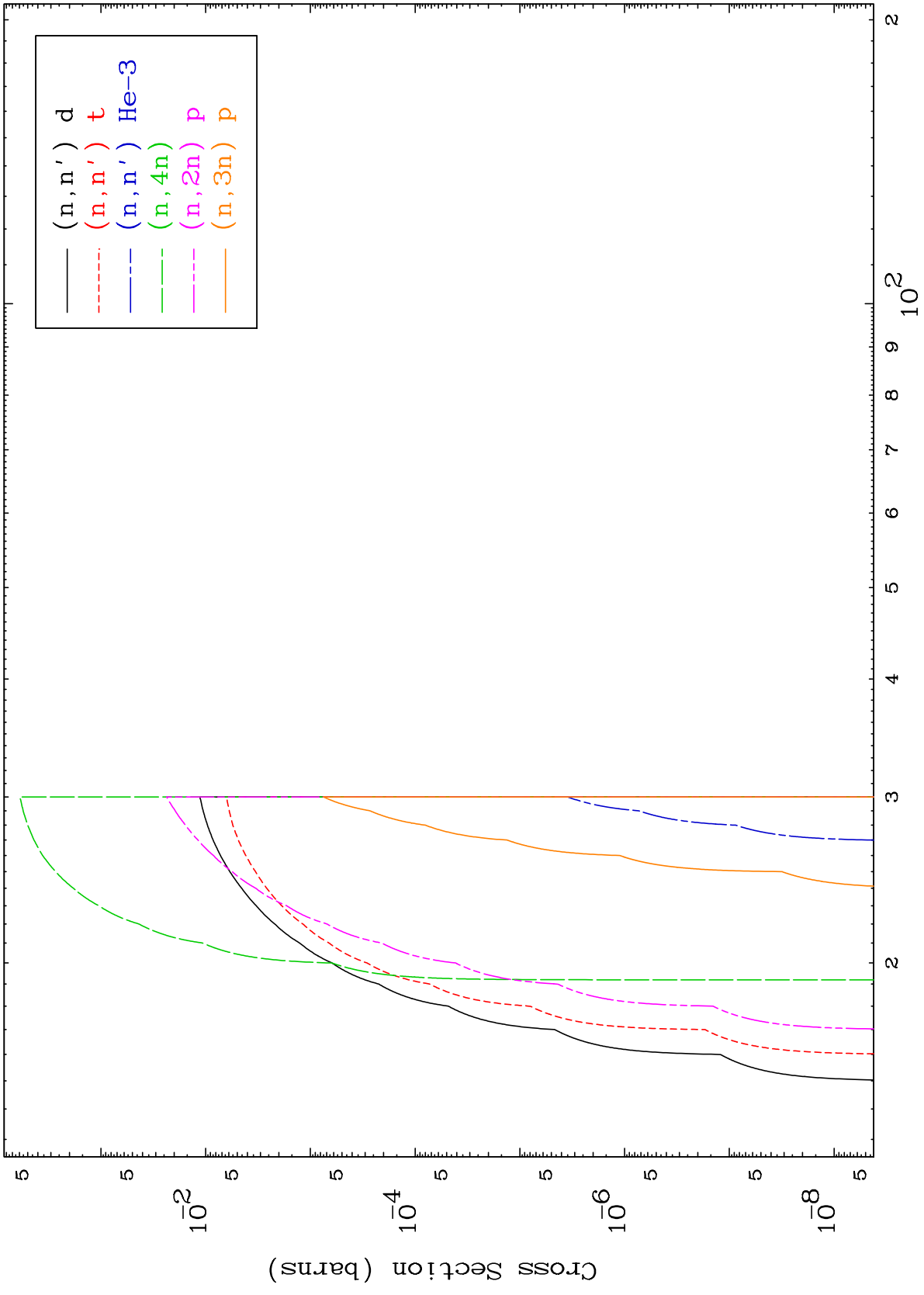
Incident Energy (MeV)

37-Rb-90

MAT 3740

Neutron Production
293 Kelvin Cross Sections

37-Rb-90



3

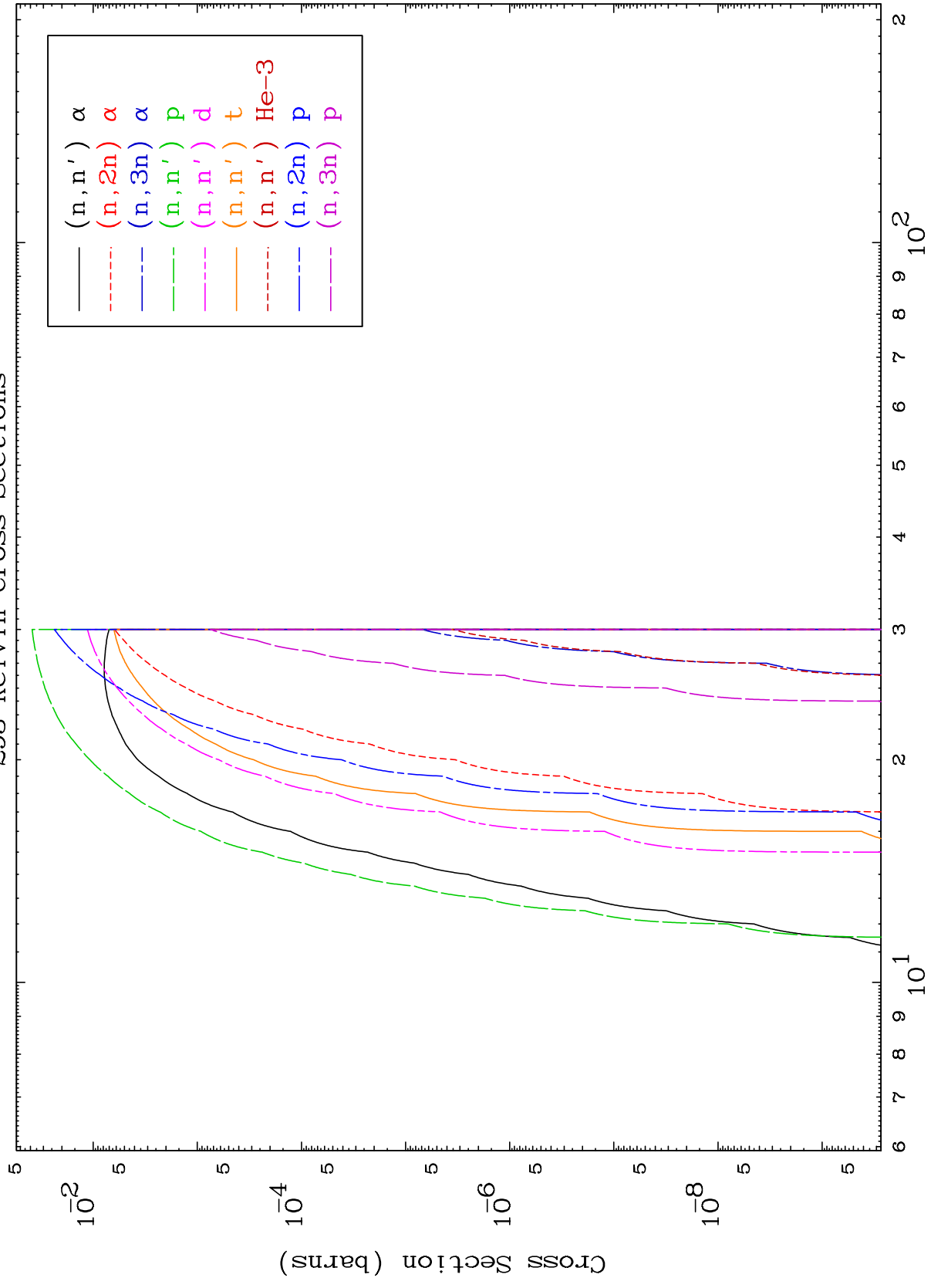
Incident Energy (MeV)

37-Rb-90

MAT 3740

Charged Particle
293 Kelvin Cross Sections

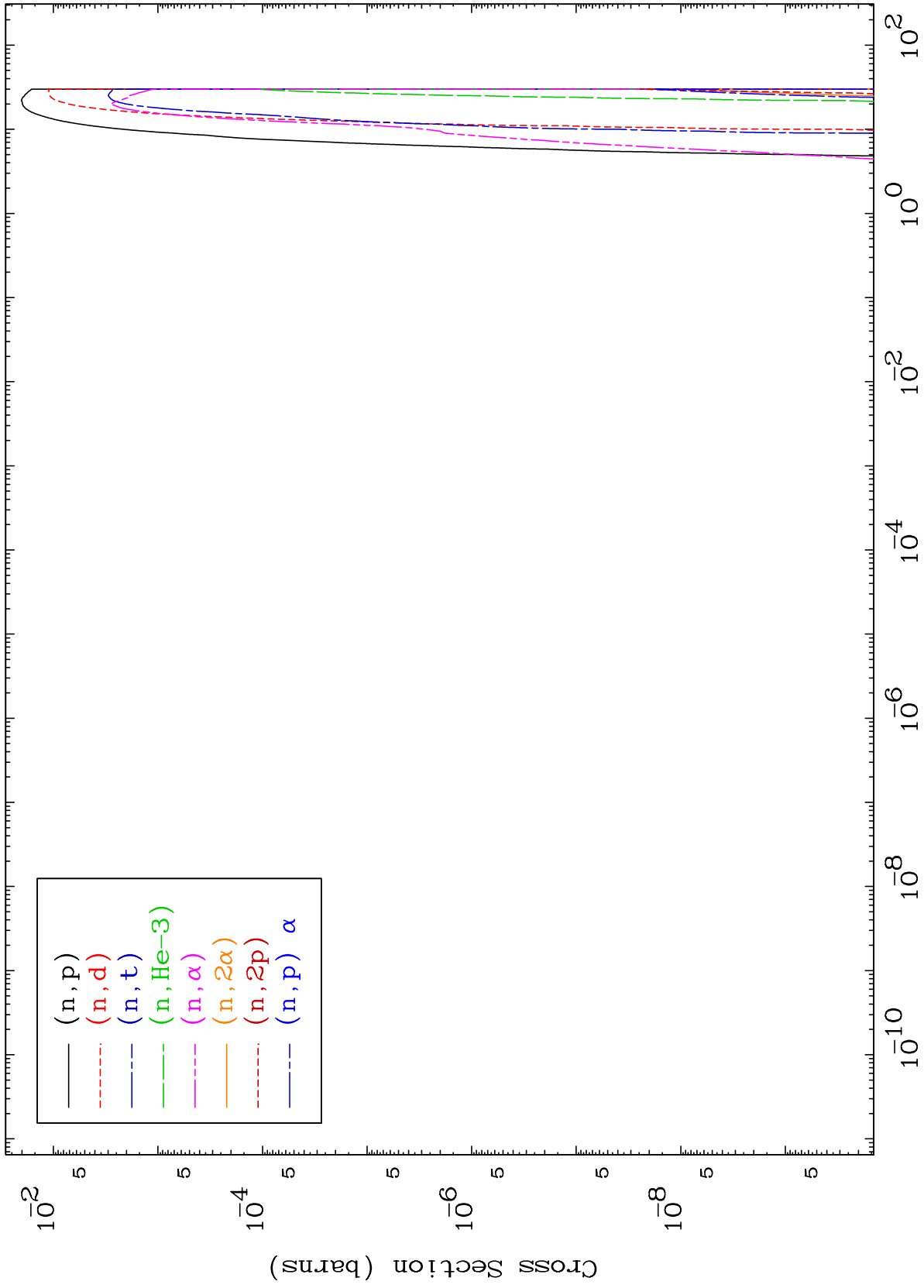
37-Rb-90



MAT 3740

Charged Particle
293 Kelvin Cross Sections

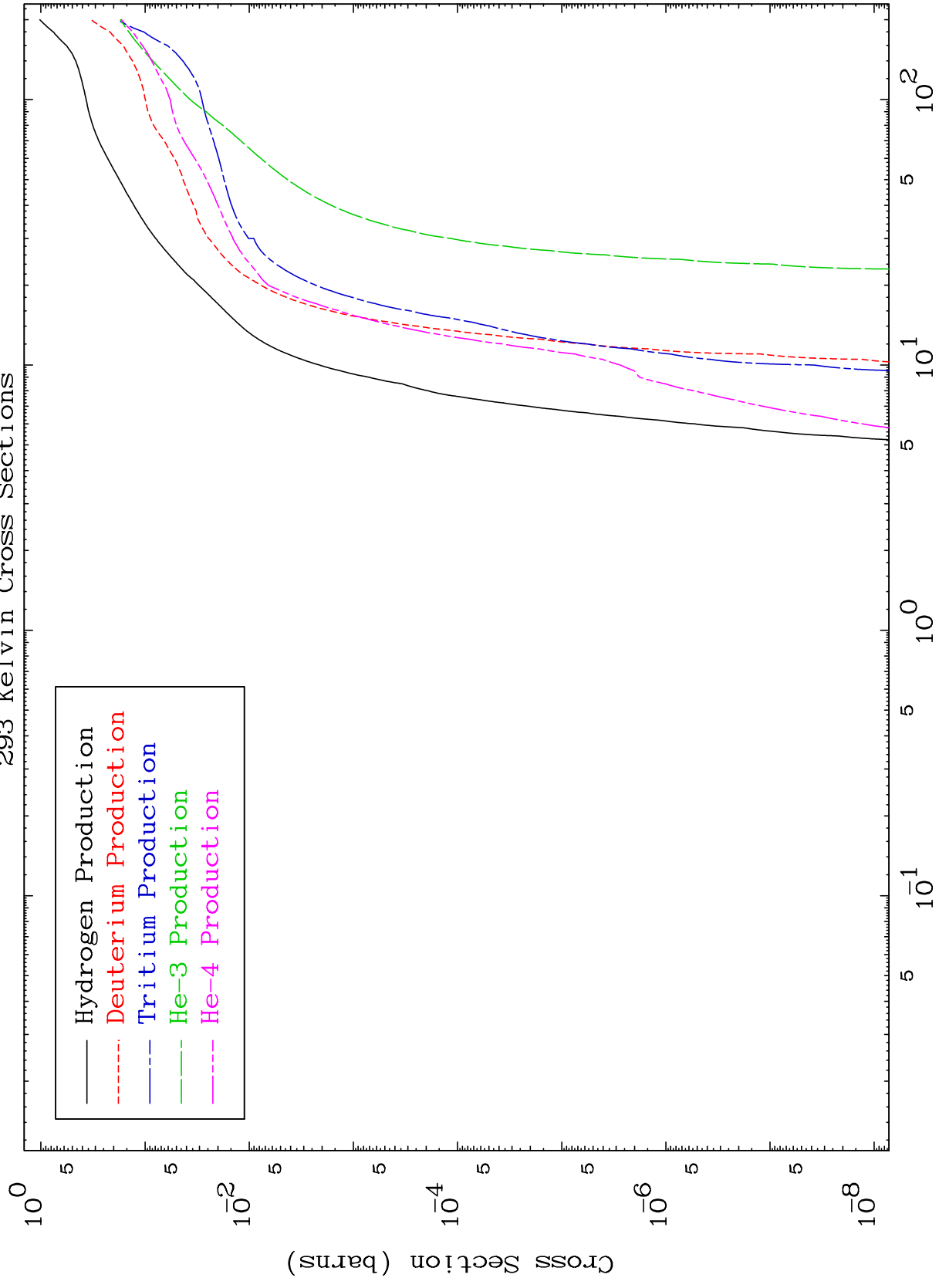
37-Rb-90



MAT 3740

Particle Production
293 Kelvin Cross Sections

37-Rb-90



6

Incident Energy (MeV)

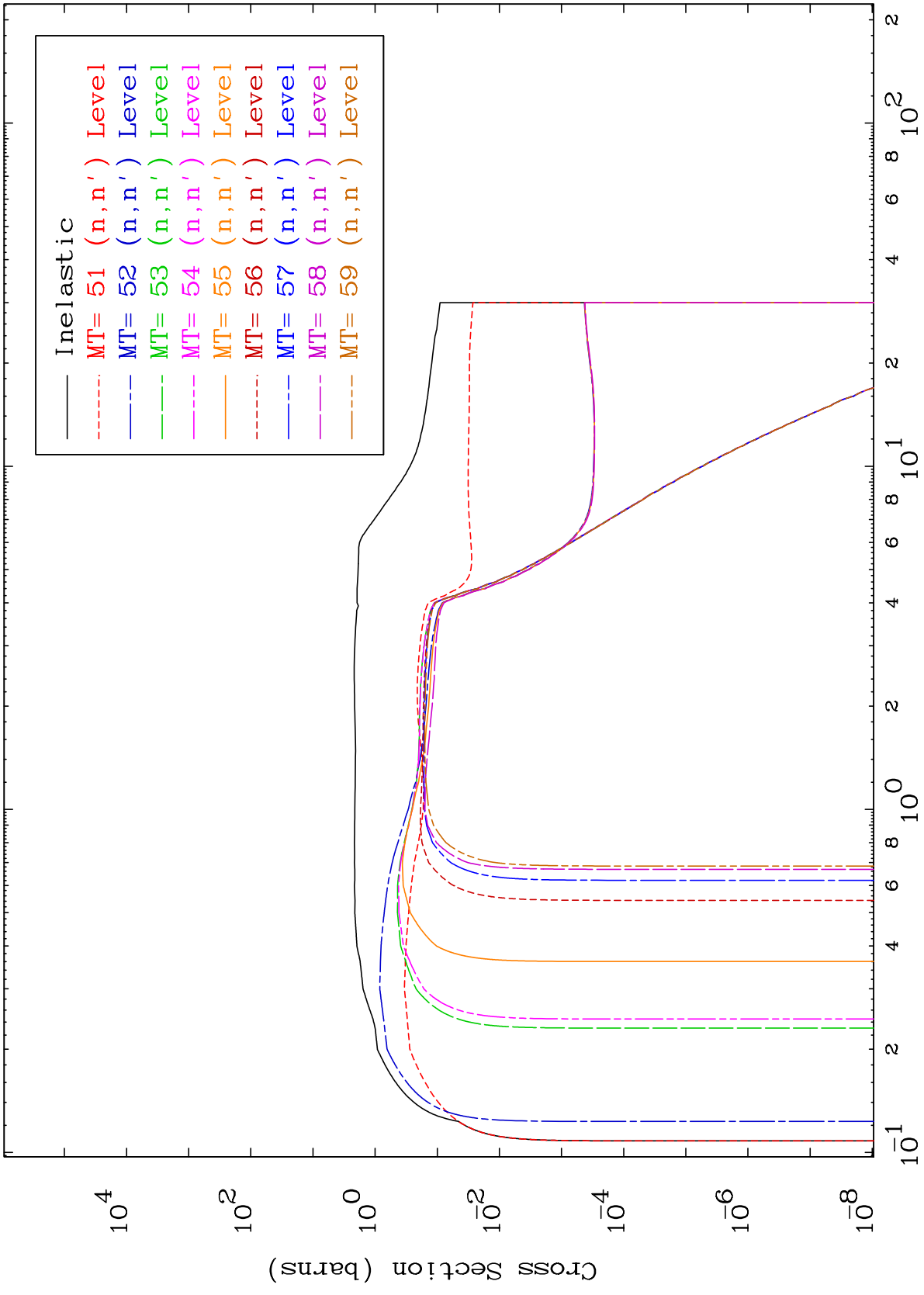
37-Rb-90

MAT 3740

(n,n') Level

37-Rb-90

293 Kelvin Cross Sections



Incident Energy (MeV)

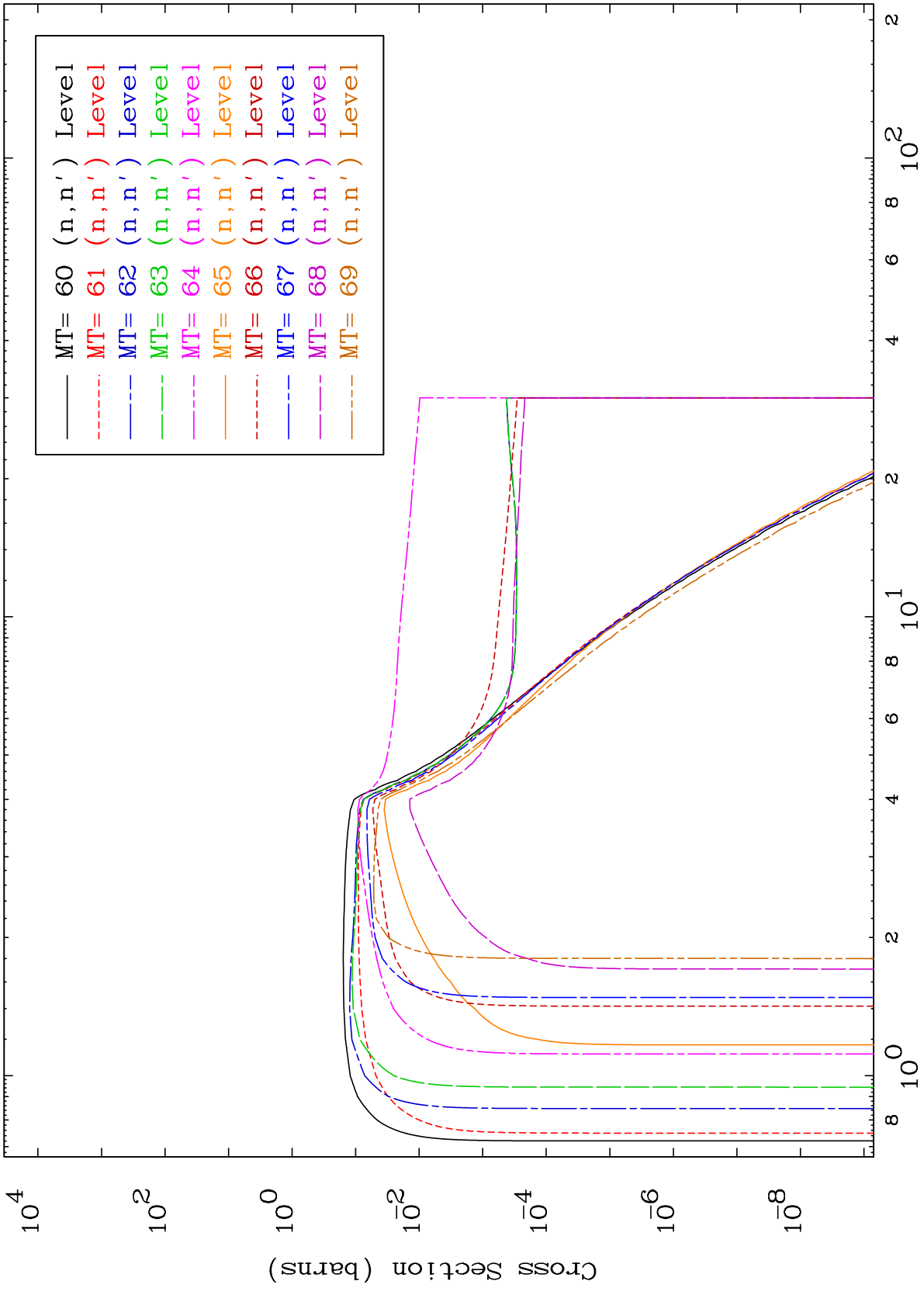
37-Rb-90

MAT 3740

(n,n') Level

37-Rb-90

293 Kelvin Cross Sections



8

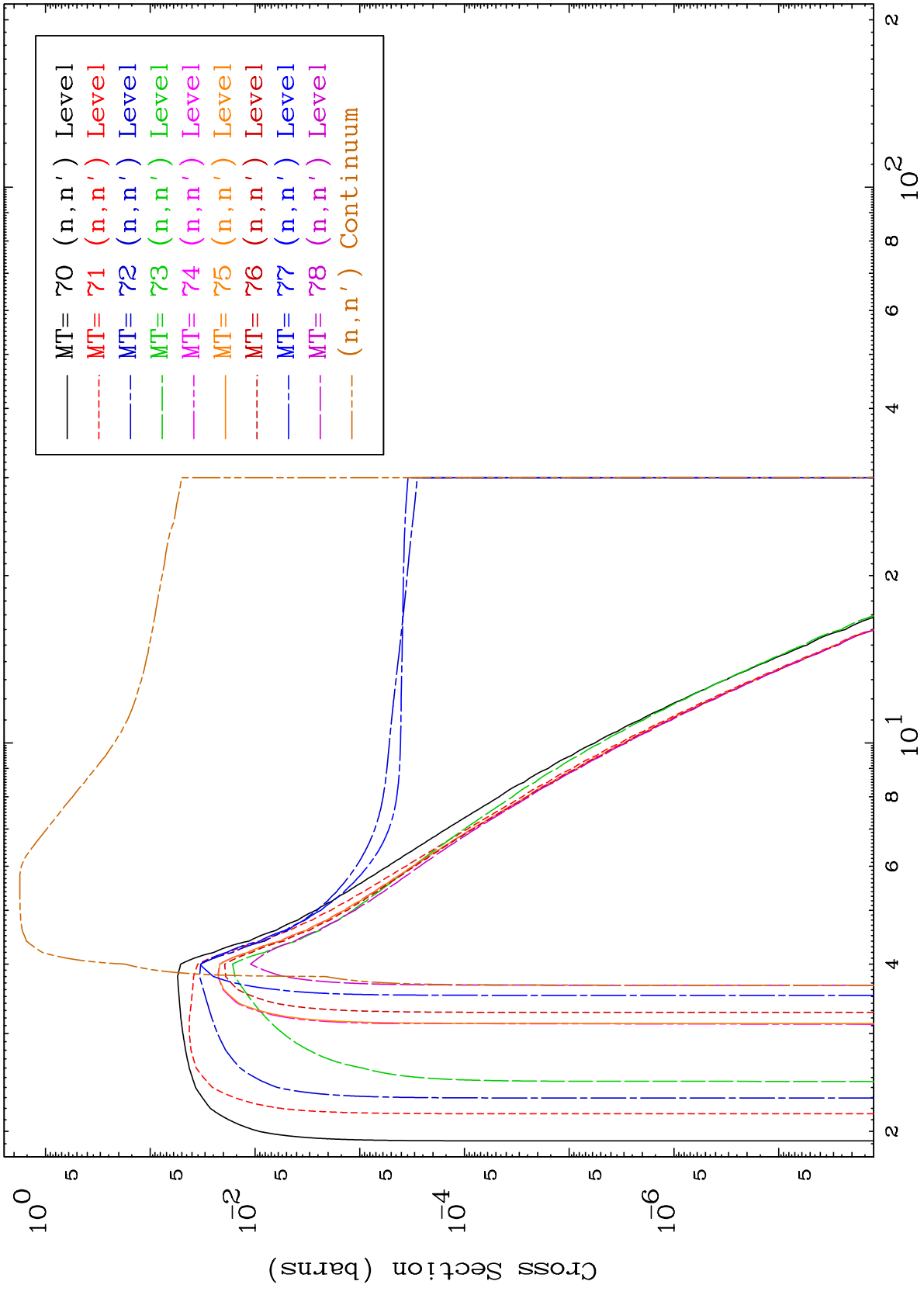
Incident Energy (MeV)

37-Rb-90

MAT 3740

(n,n') Level
293 Kelvin Cross Sections

37-Rb-90



9

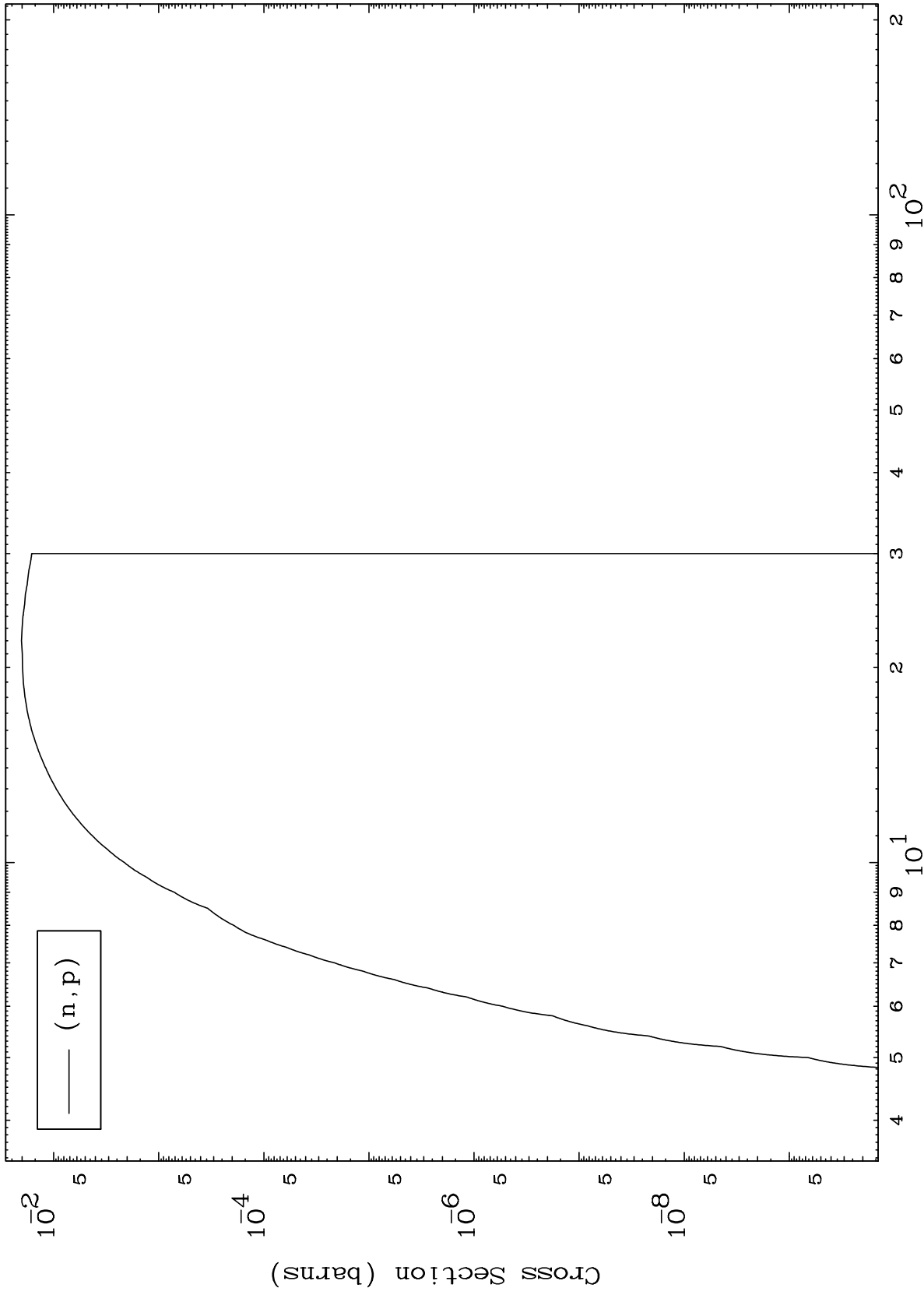
Incident Energy (MeV)

37-Rb-90

MAT 3740

(n,p) Levels
293 Kelvin Cross Sections

37-Rb-90



10

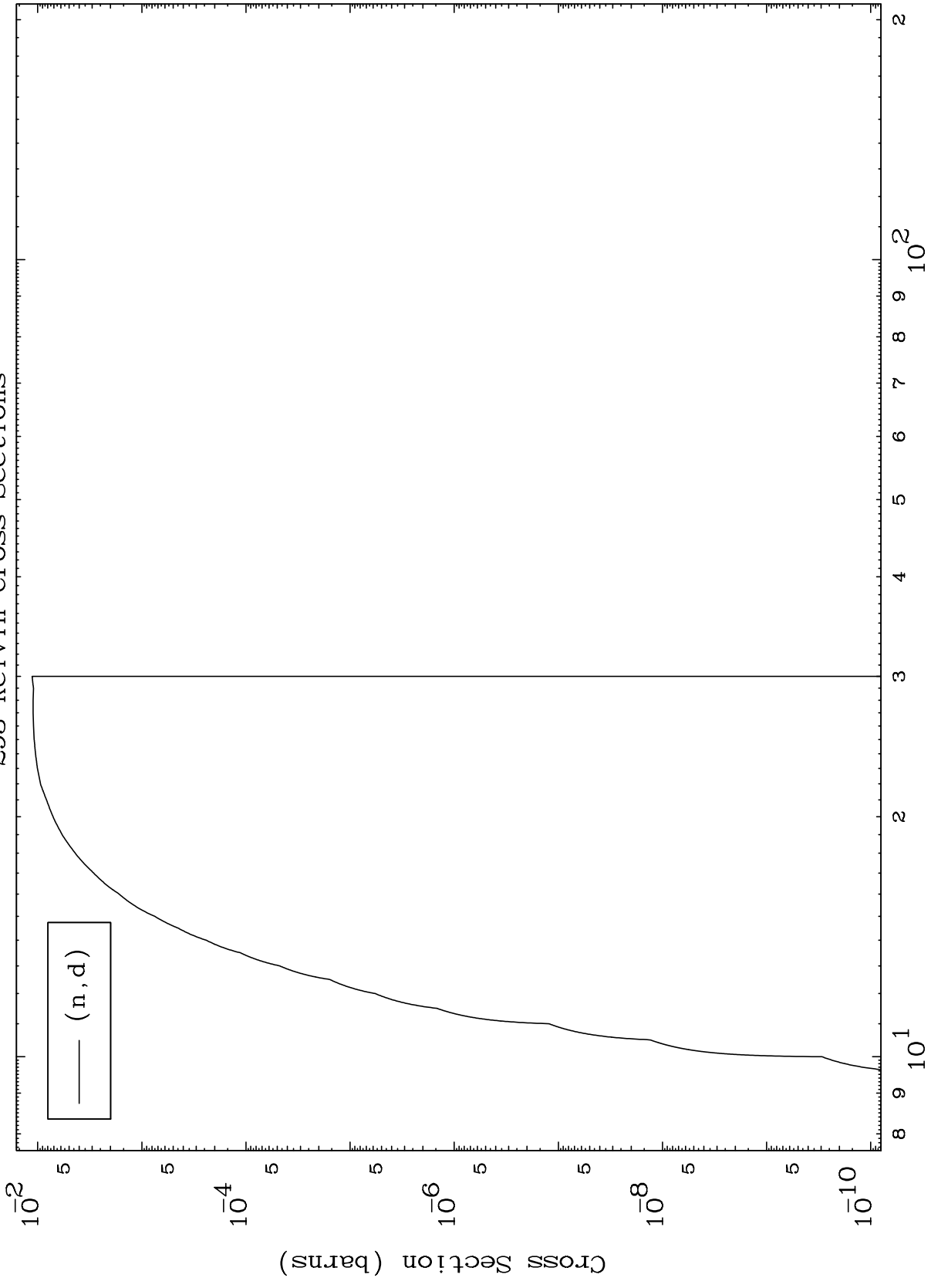
Incident Energy (MeV)

37-Rb-90

MAT 3740

(n,d) Levels
293 Kelvin Cross Sections

37-Rb-90



11

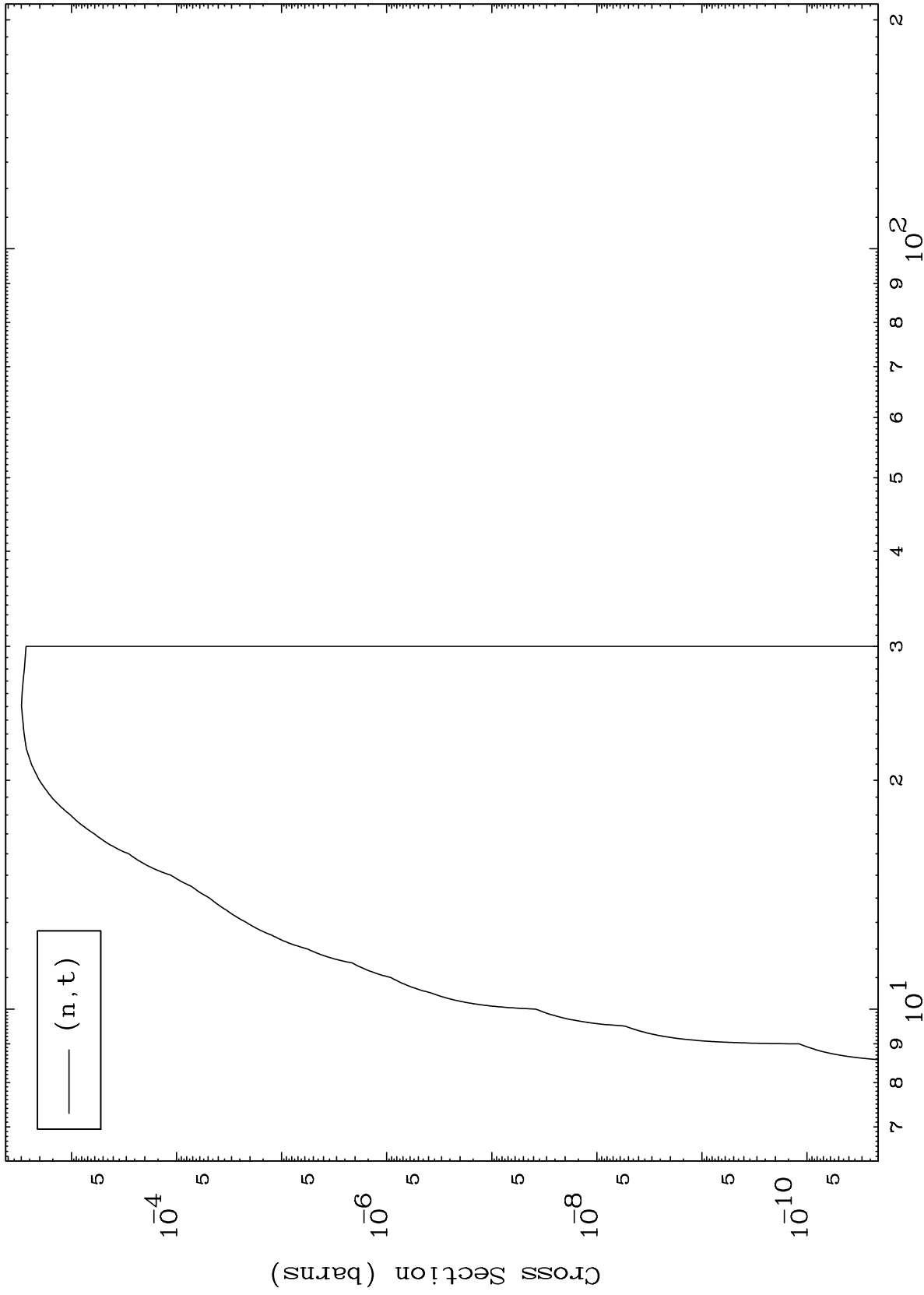
Incident Energy (MeV)

37-Rb-90

MAT 3740

(n,t) Levels
293 Kelvin Cross Sections

37-Rb-90



12

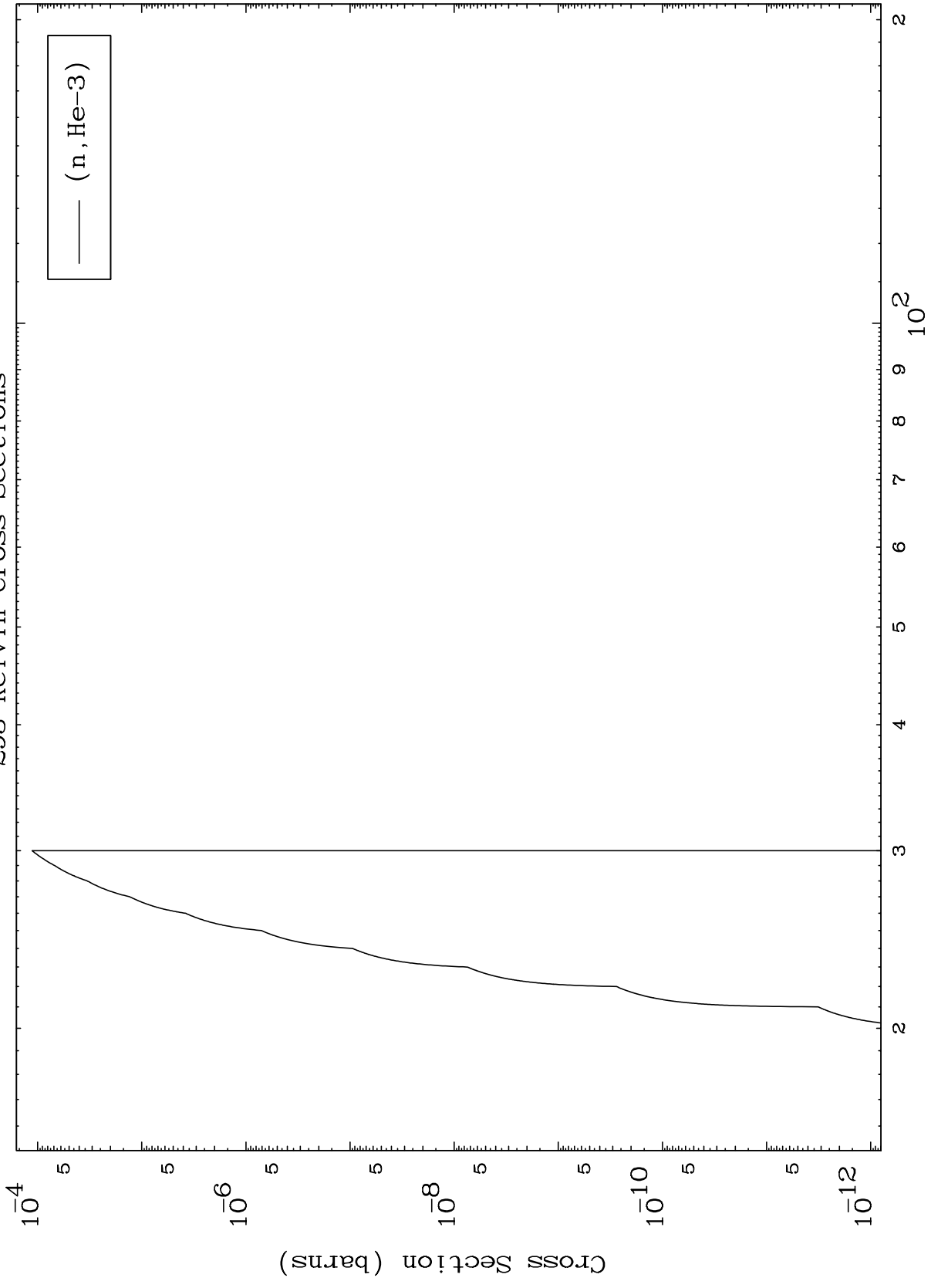
Incident Energy (MeV)

37-Rb-90

MAT 3740

(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-90



13

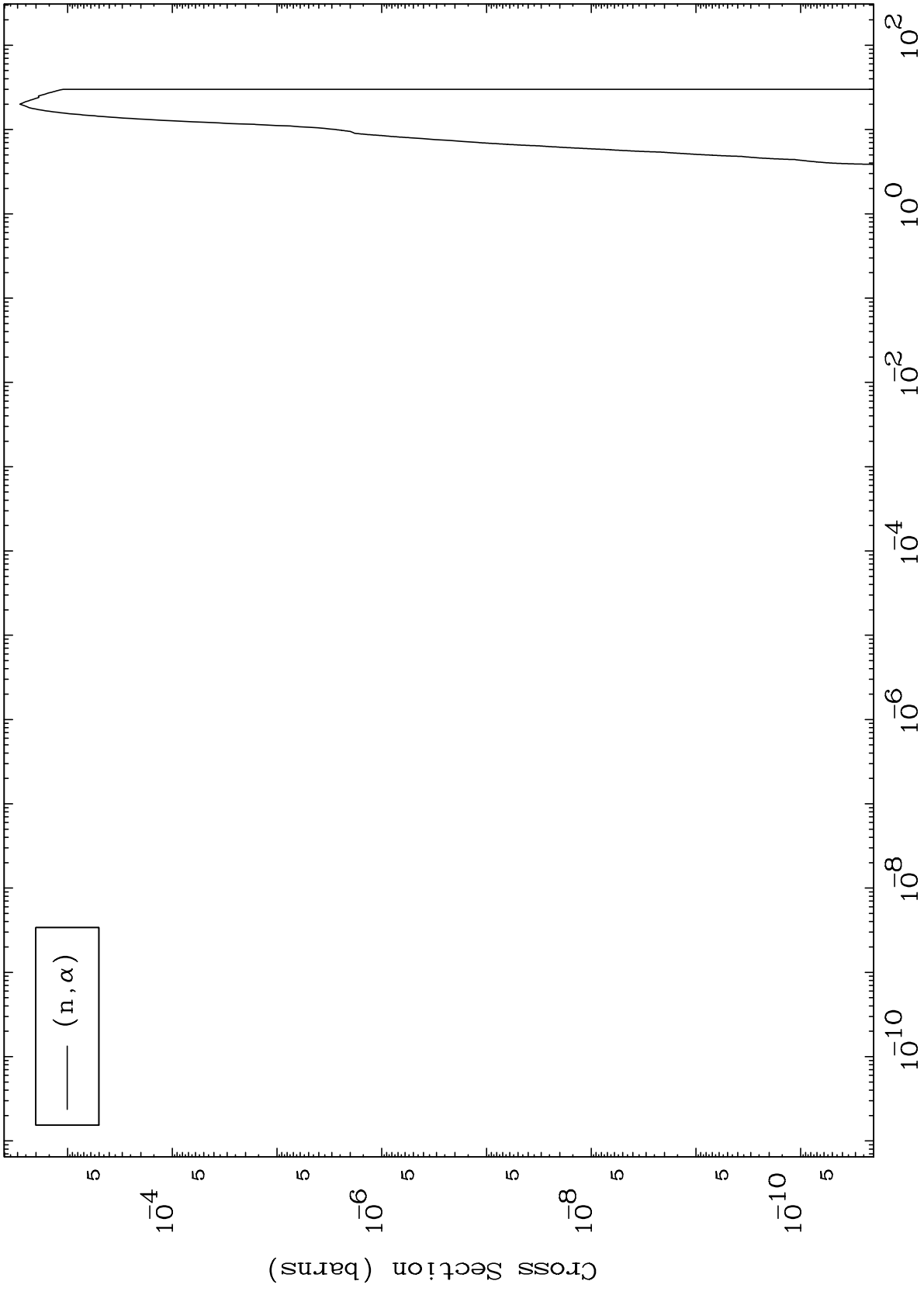
Incident Energy (MeV)

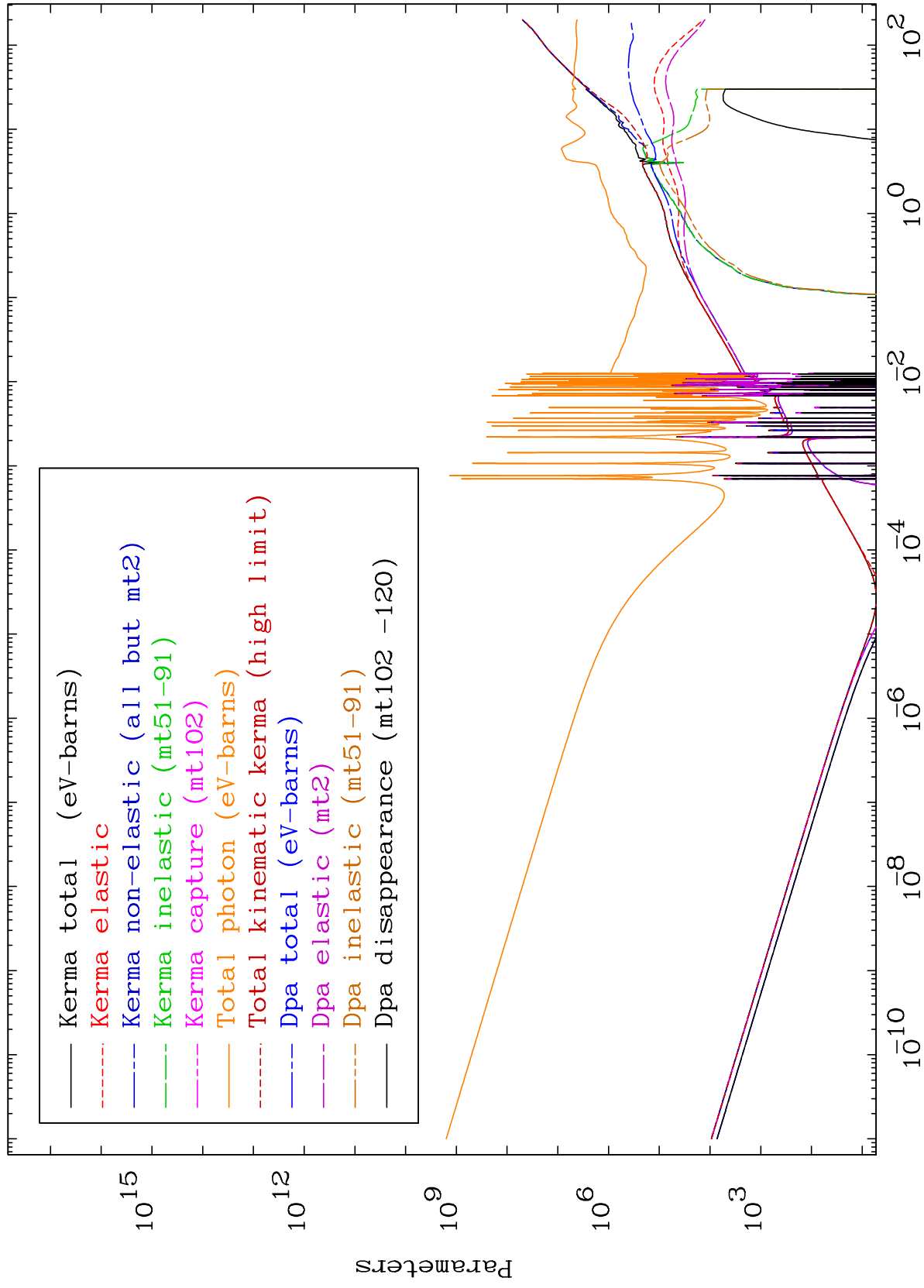
37-Rb-90

MAT 3740

(n,α) Levels
293 Kelvin Cross Sections

37-Rb-90

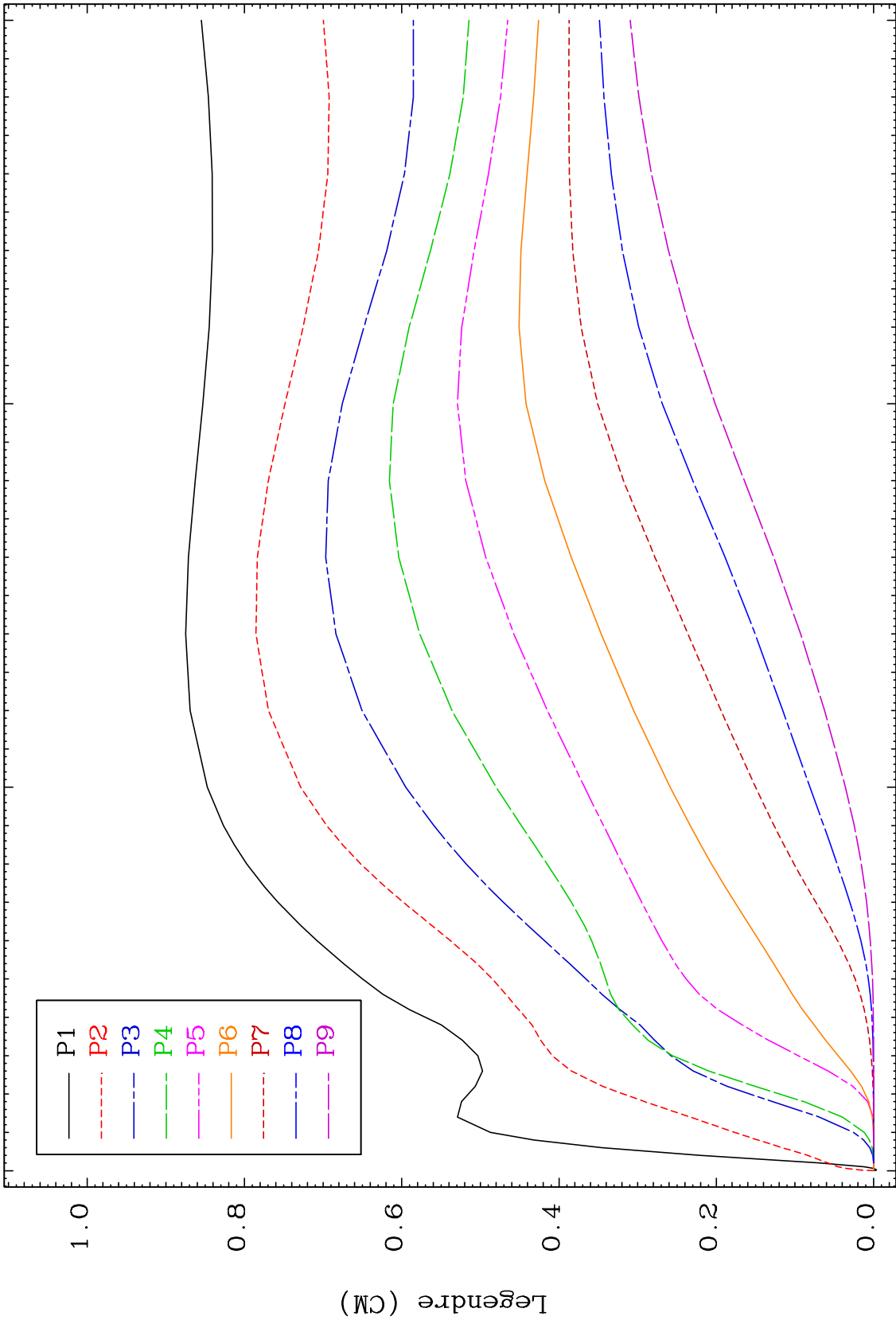




MAT 3740

Elastic Legendre Coefficients

37-Rb-90



16

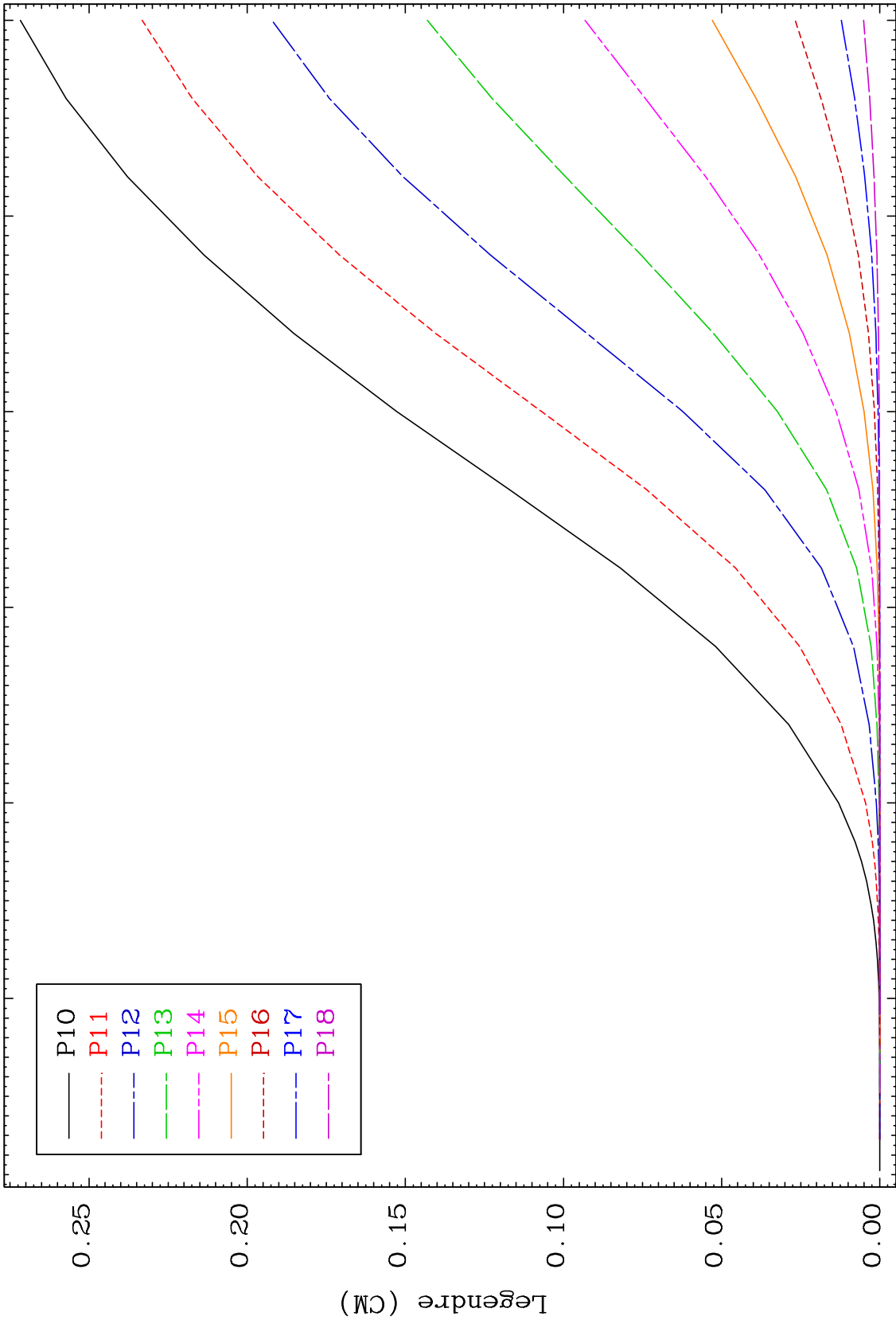
Incident Energy (MeV)

37-Rb-90

MAT 3740

Elastic Legendre Coefficients

37-Rb-90



17

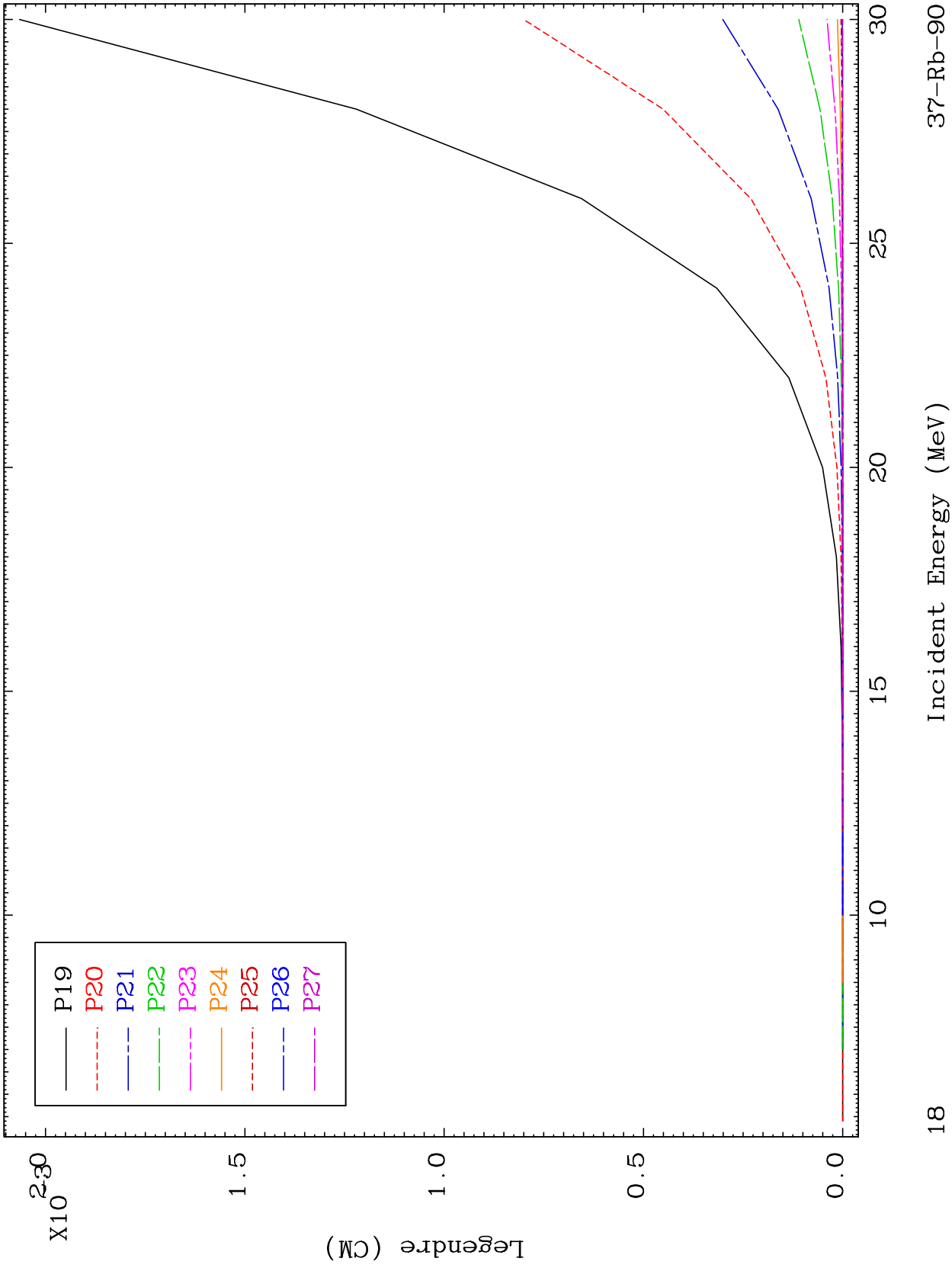
Incident Energy (MeV)

37-Rb-90

MAT 3740

Elastic Legendre Coefficients

37-Rb-90



18

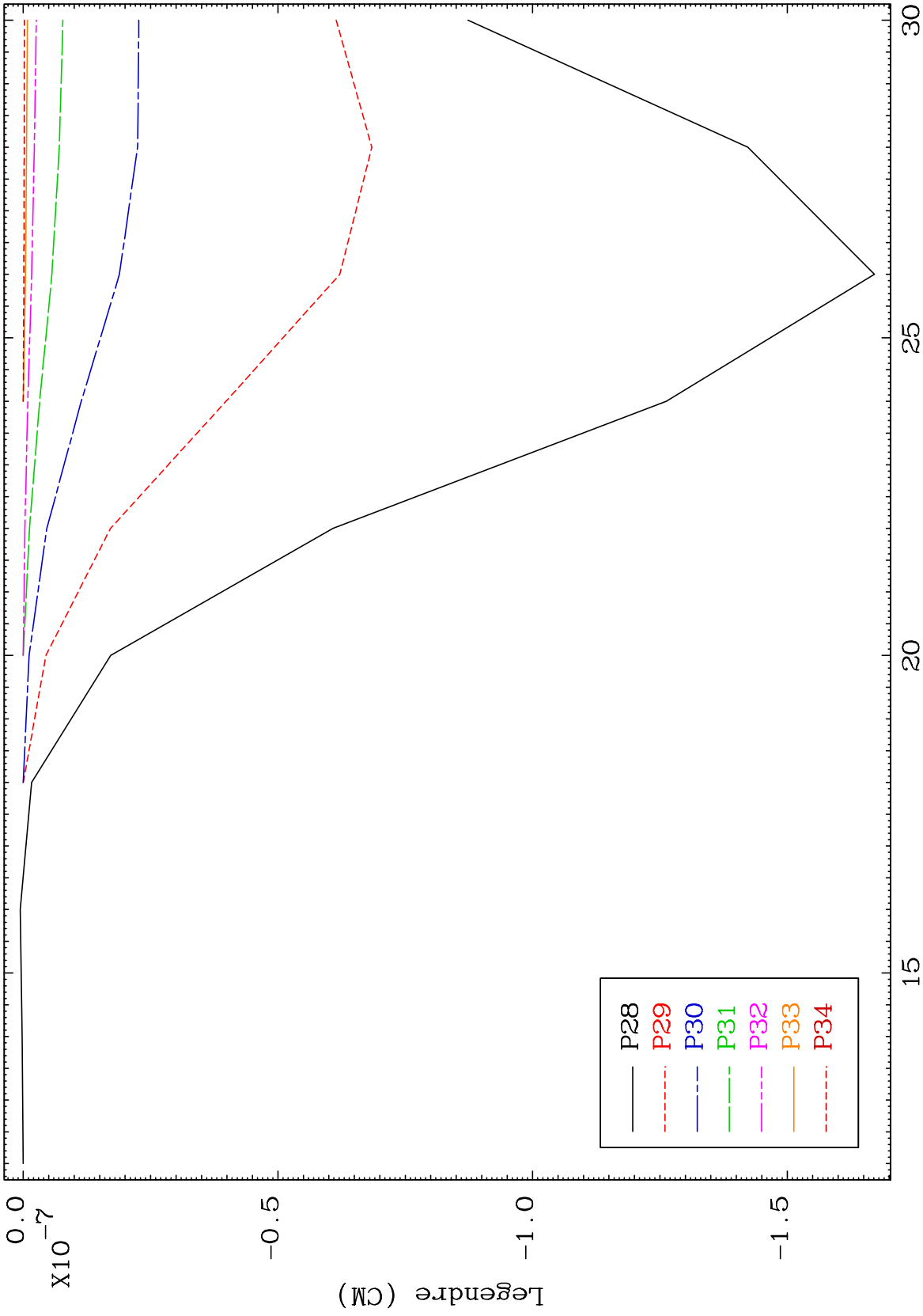
Incident Energy (MeV)

37-Rb-90

MAT 3740

37-Rb-90

Elastic Legendre Coefficients



19

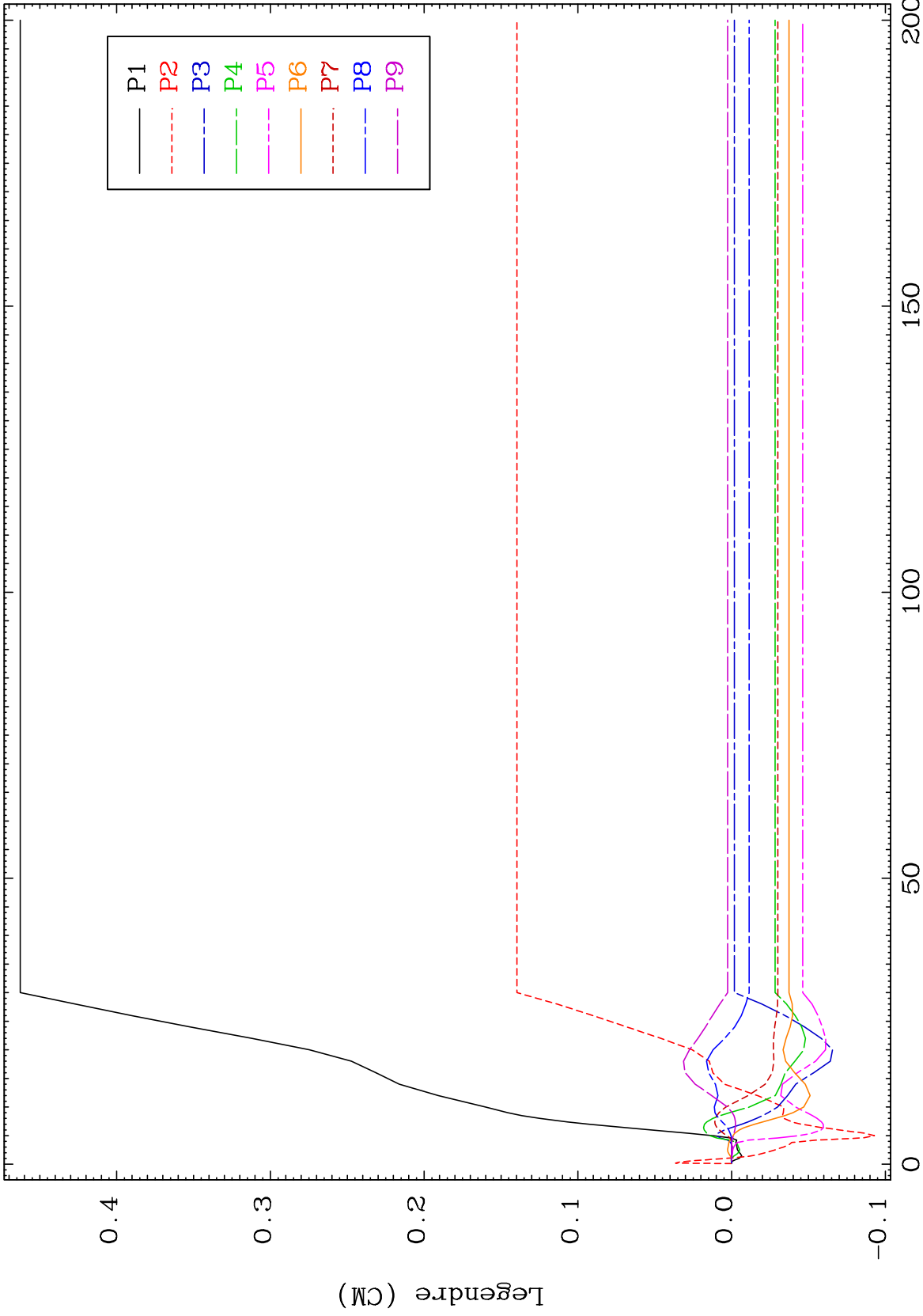
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

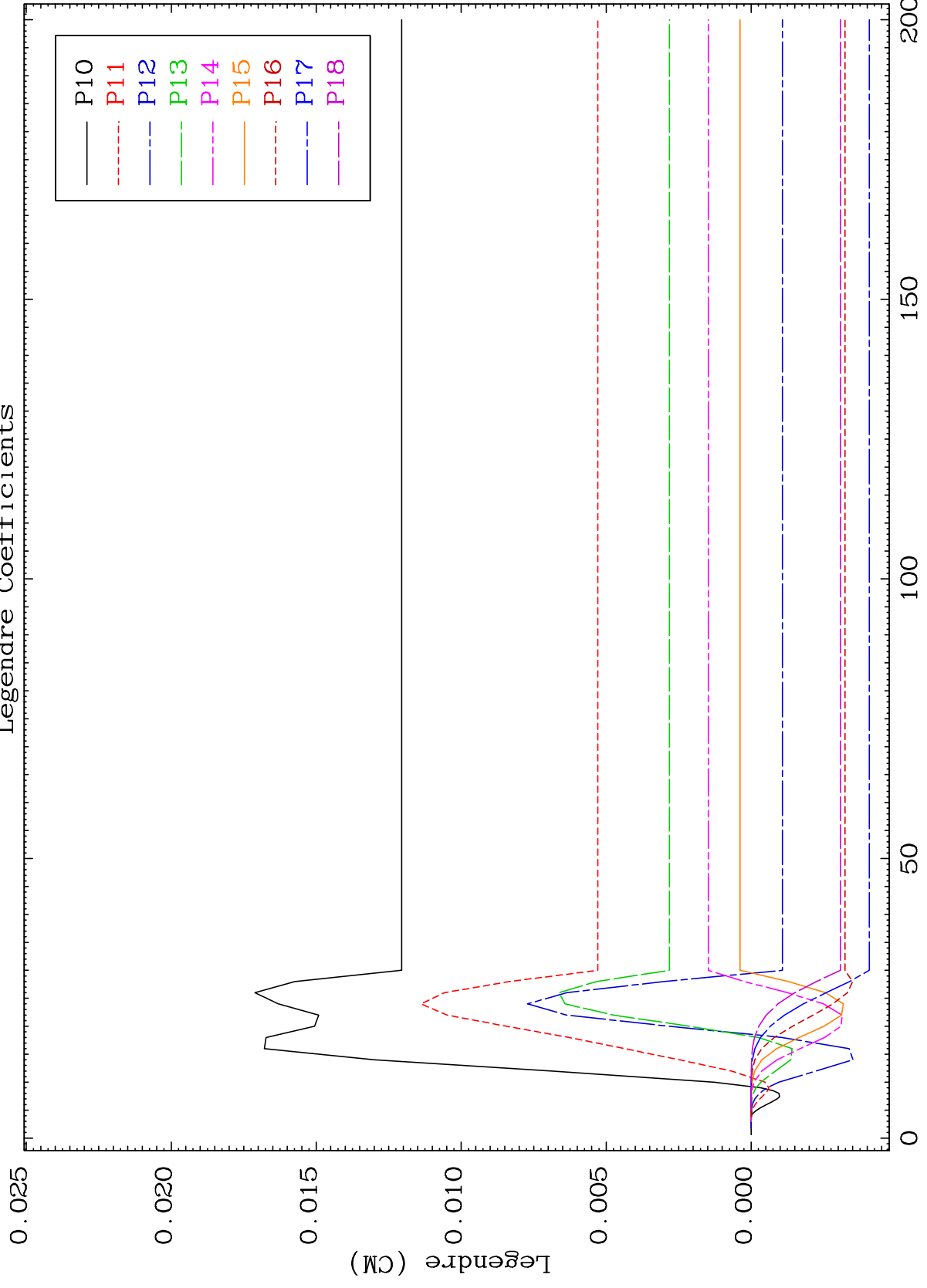
37-Rb-90



37-Rb-90

Incident Energy (MeV)

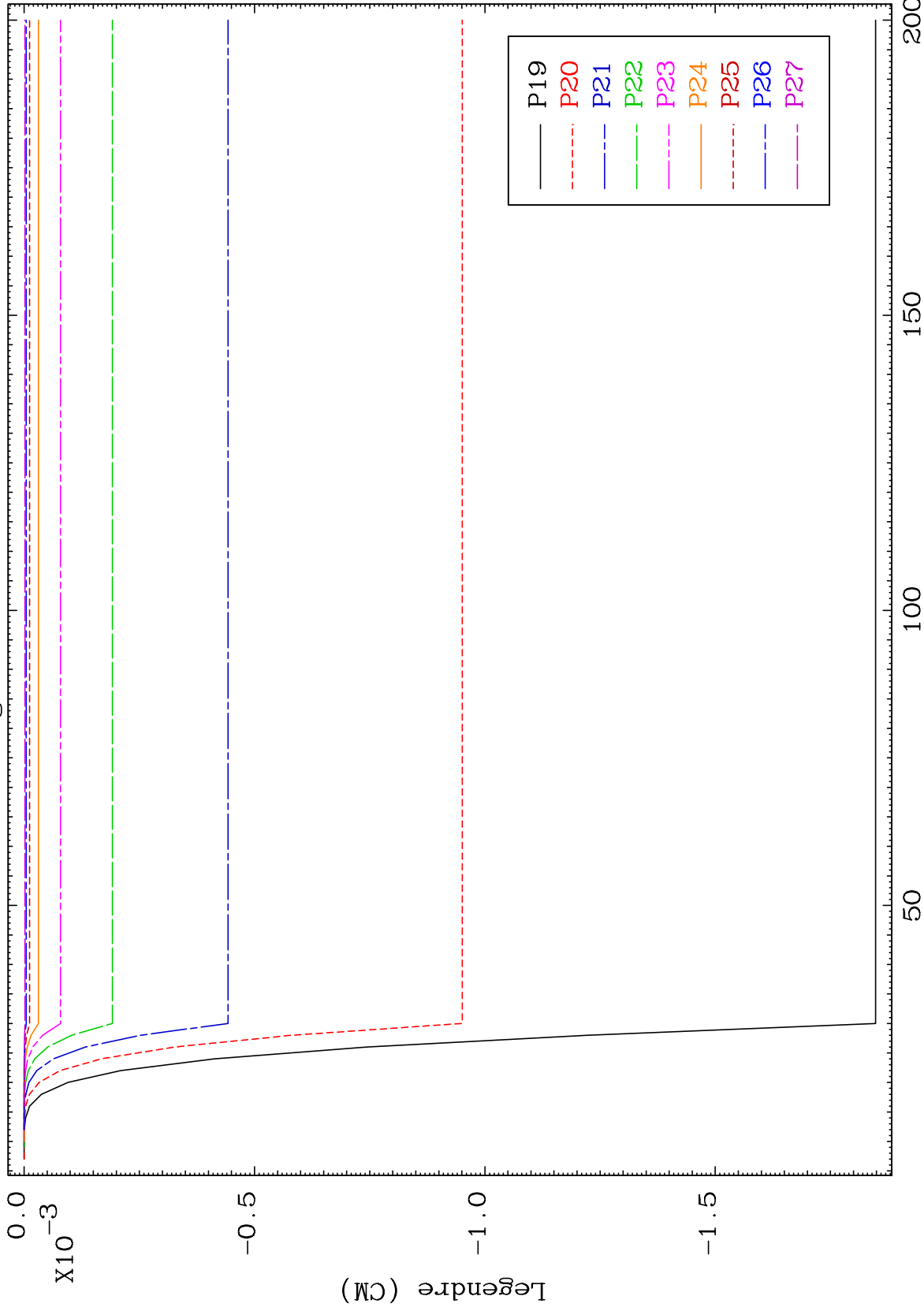
MAT 3740 MT= 51 (n,n') Level Legendre Coefficients 37-Rb-90



MAT 3740

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

37-Rb-90

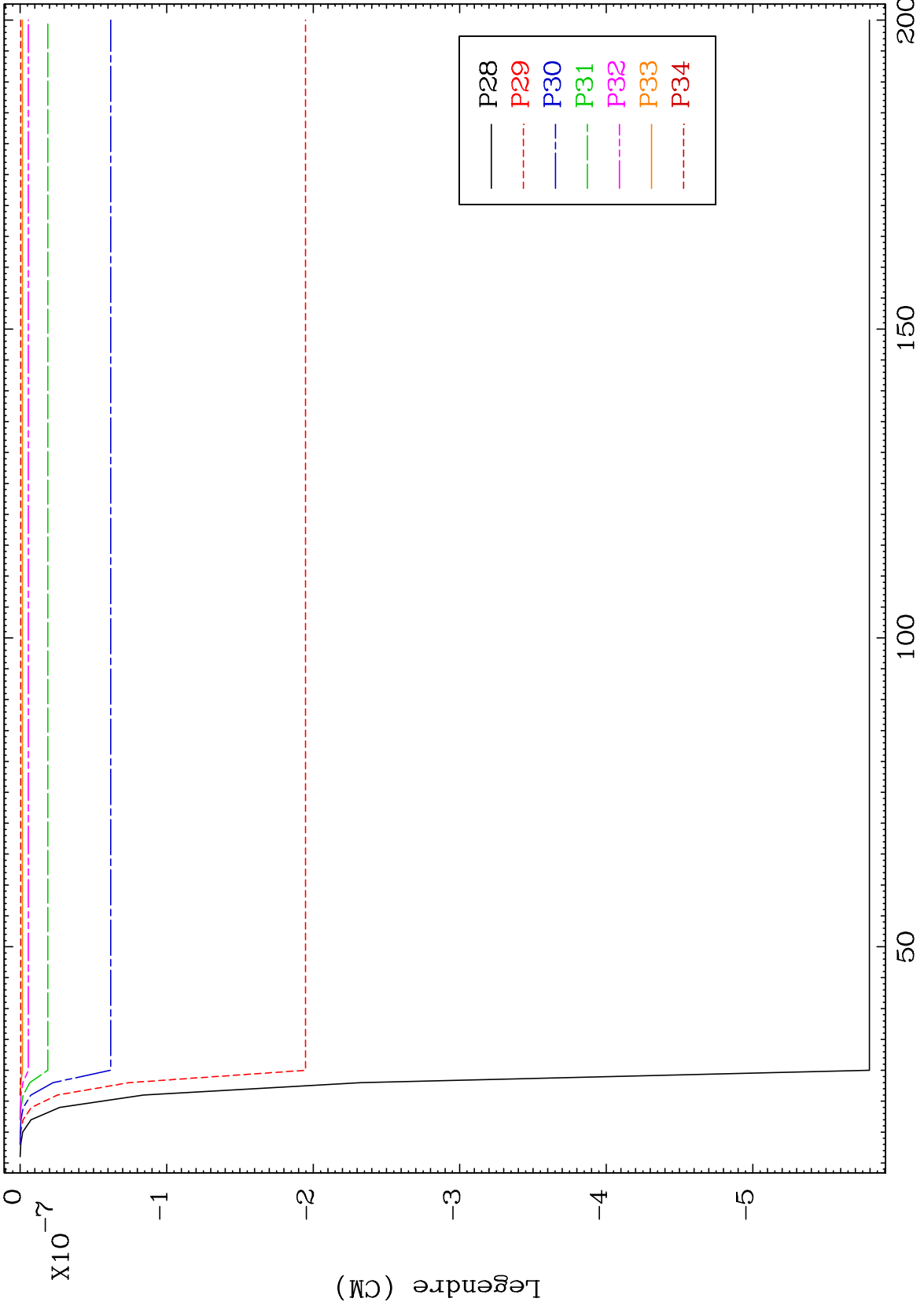


37-Rb-90

Incident Energy (MeV)

22

MAT 3740 MT= 51 (n,n') Level Legendre Coefficients 37-Rb-90

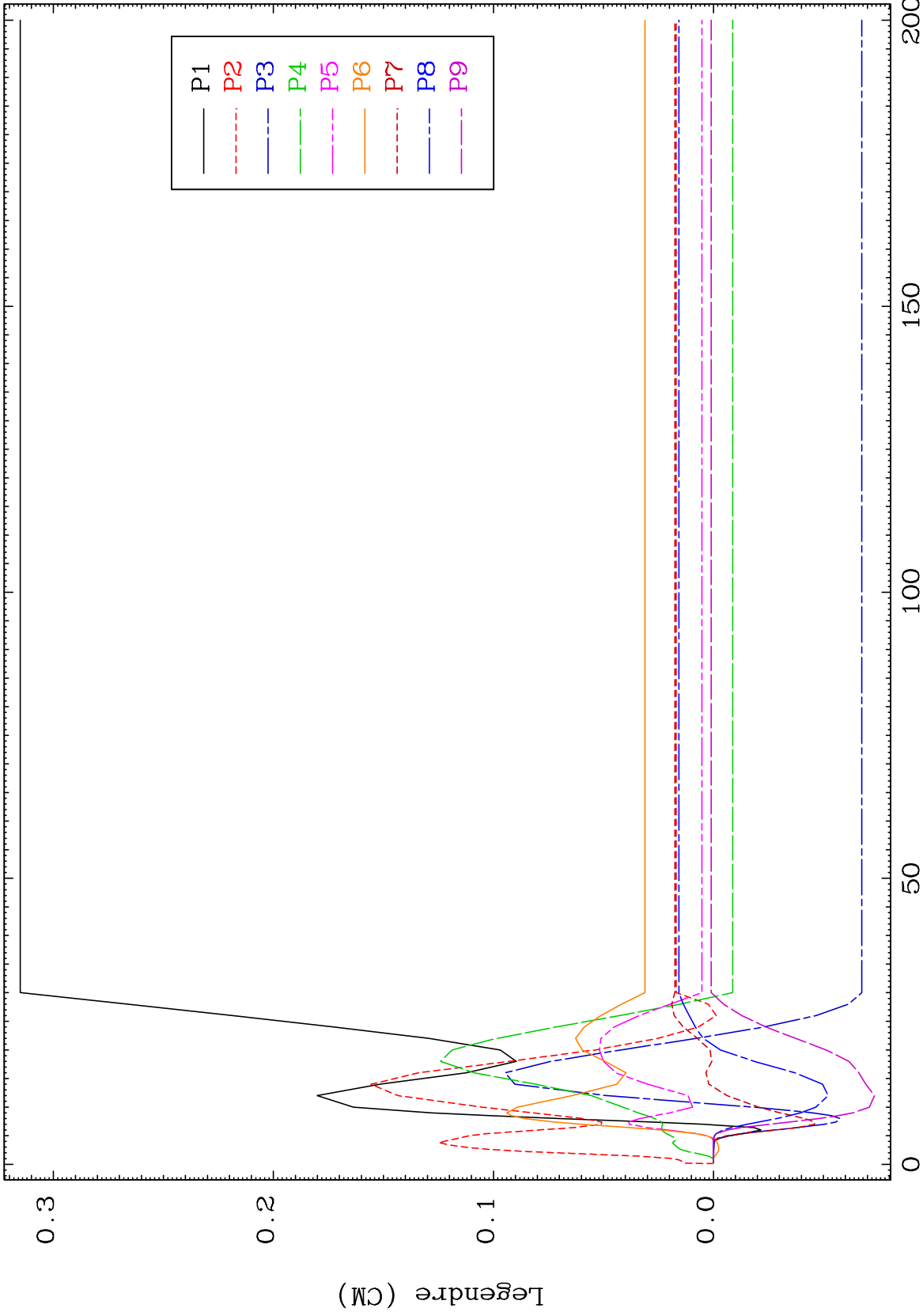


37-Rb-90

MAT 3740

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

37-Rb-90



24

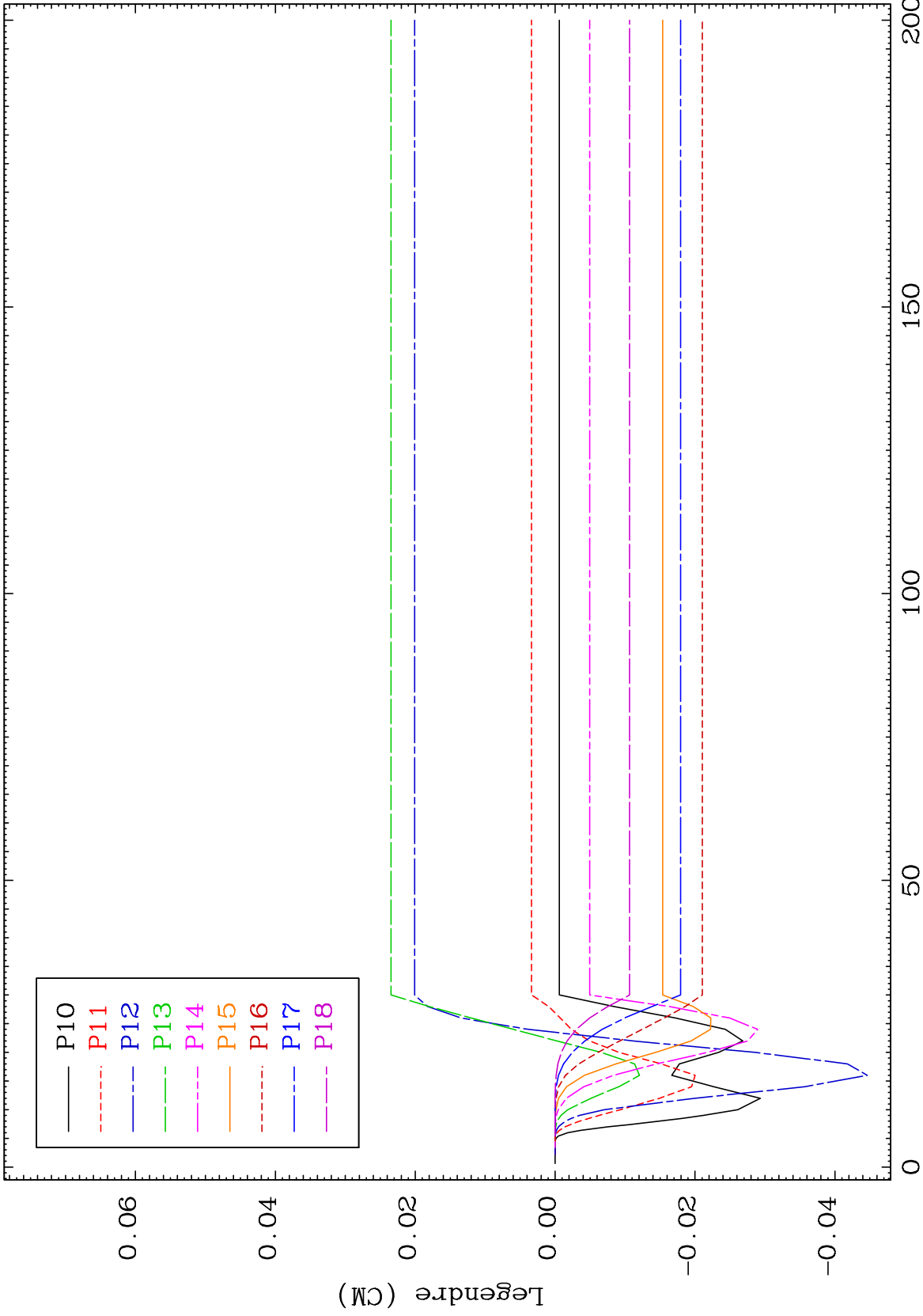
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

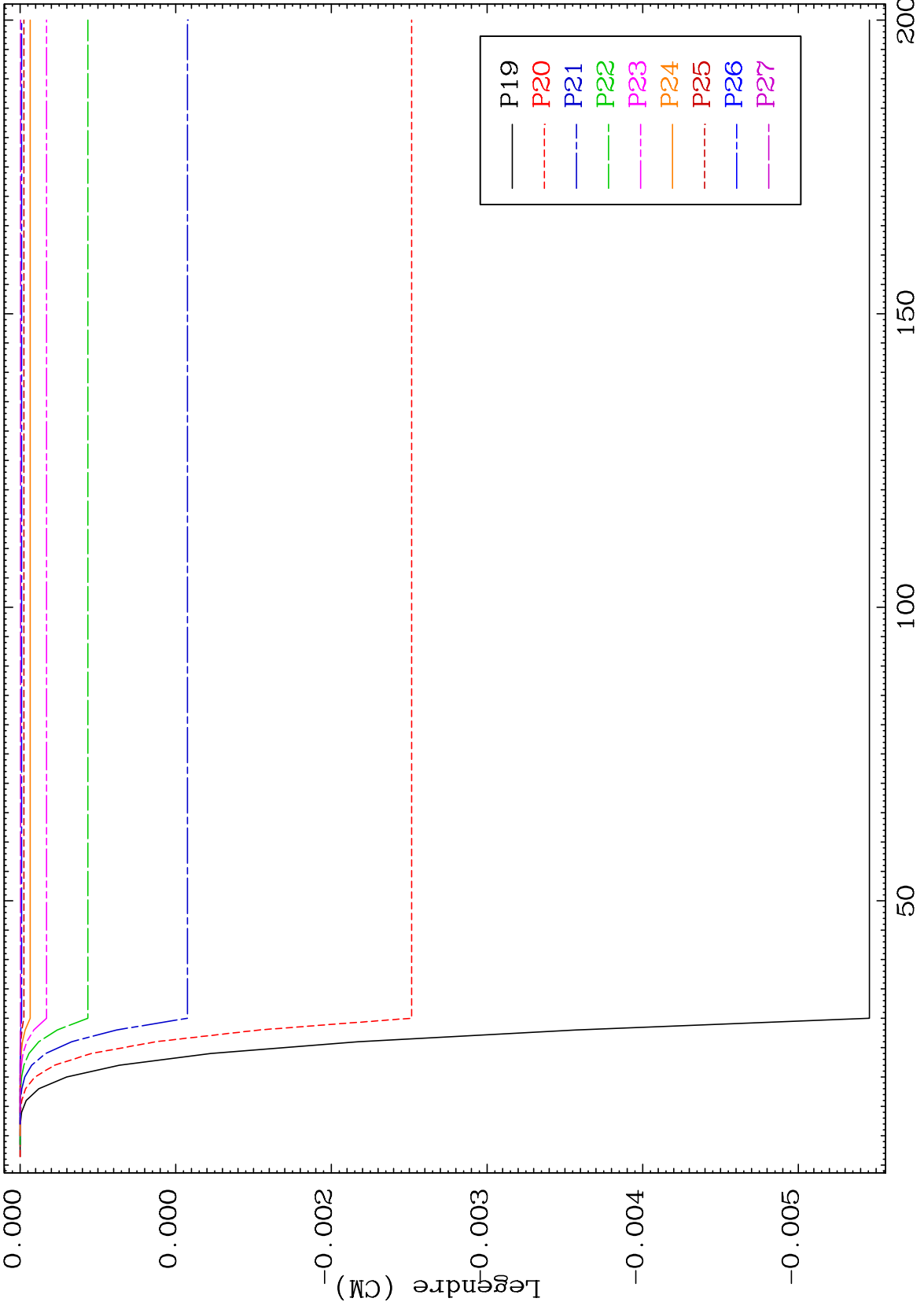
37-Rb-90



25

Incident Energy (MeV)

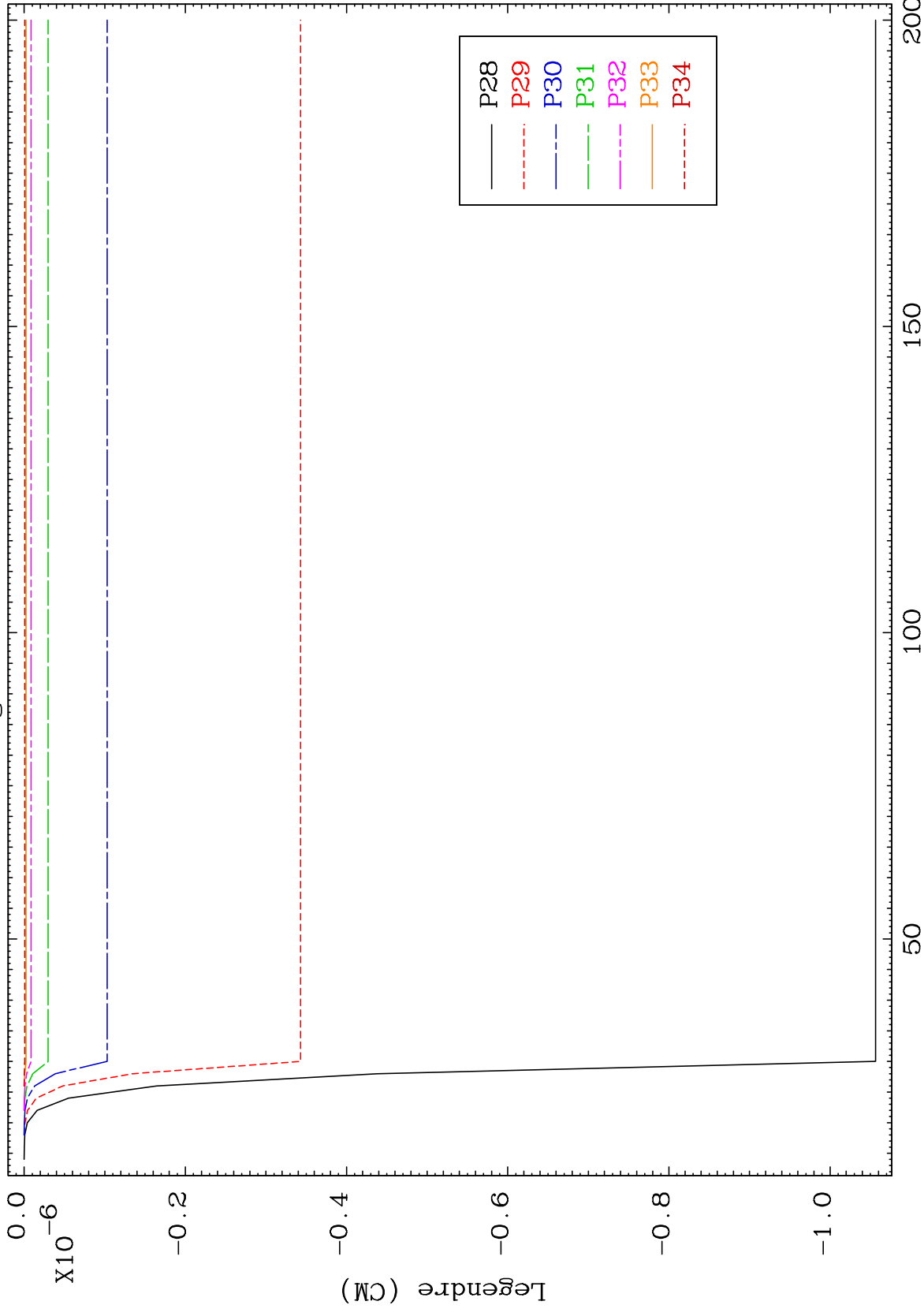
37-Rb-90



MAT 3740

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

37-Rb-90



37-Rb-90

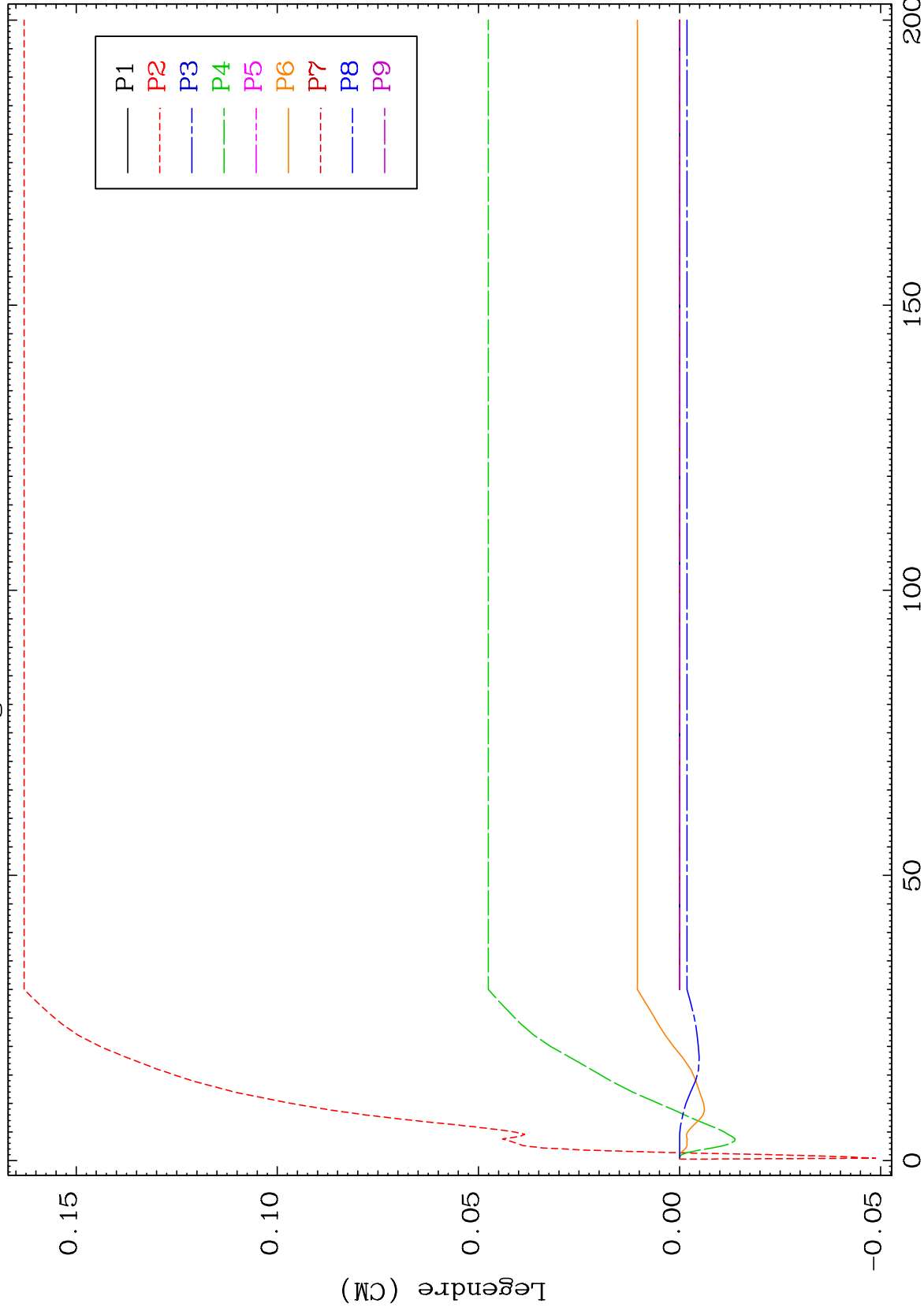
Incident Energy (MeV)

27

MAT 3740

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

37-Rb-90



28

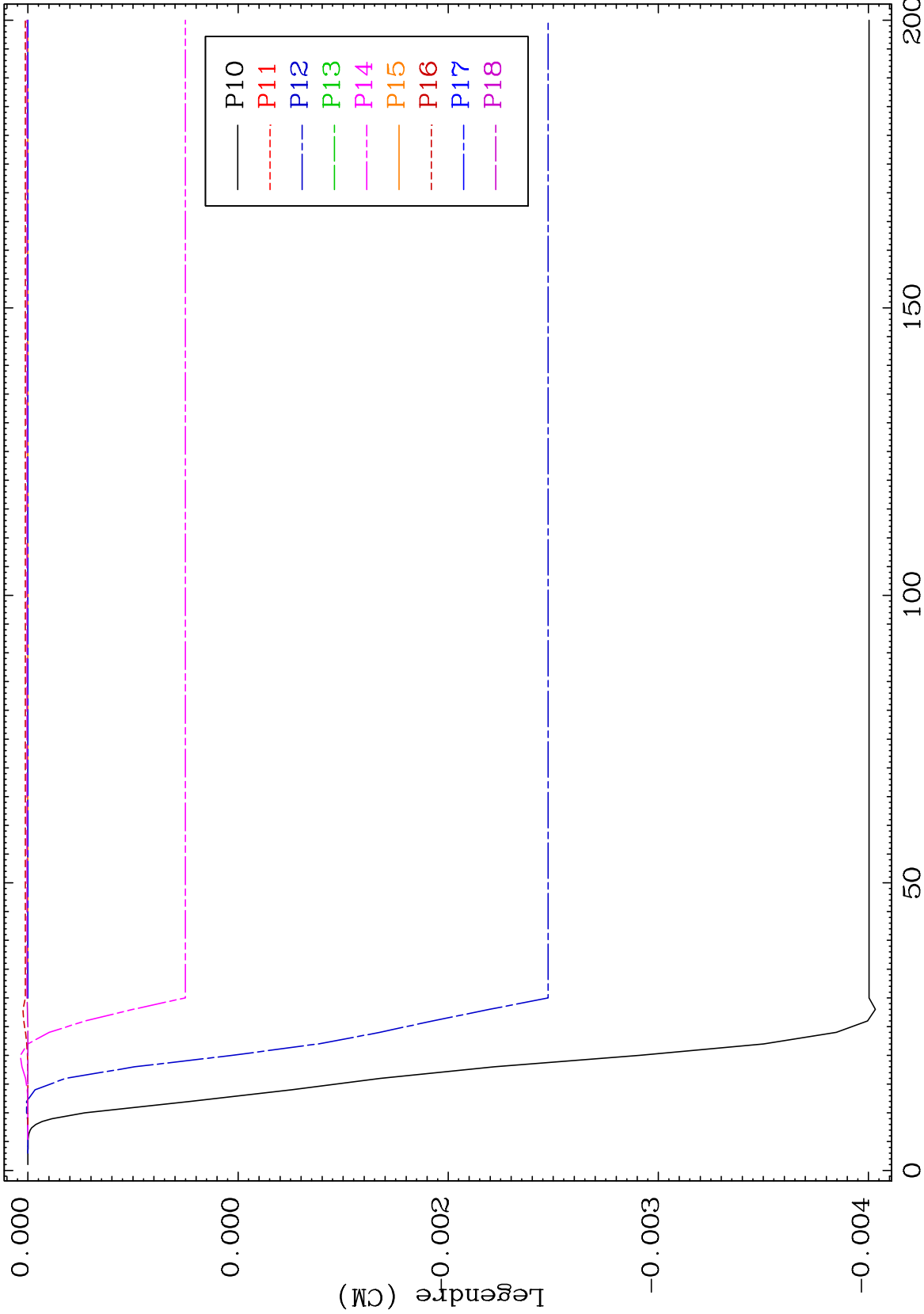
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90

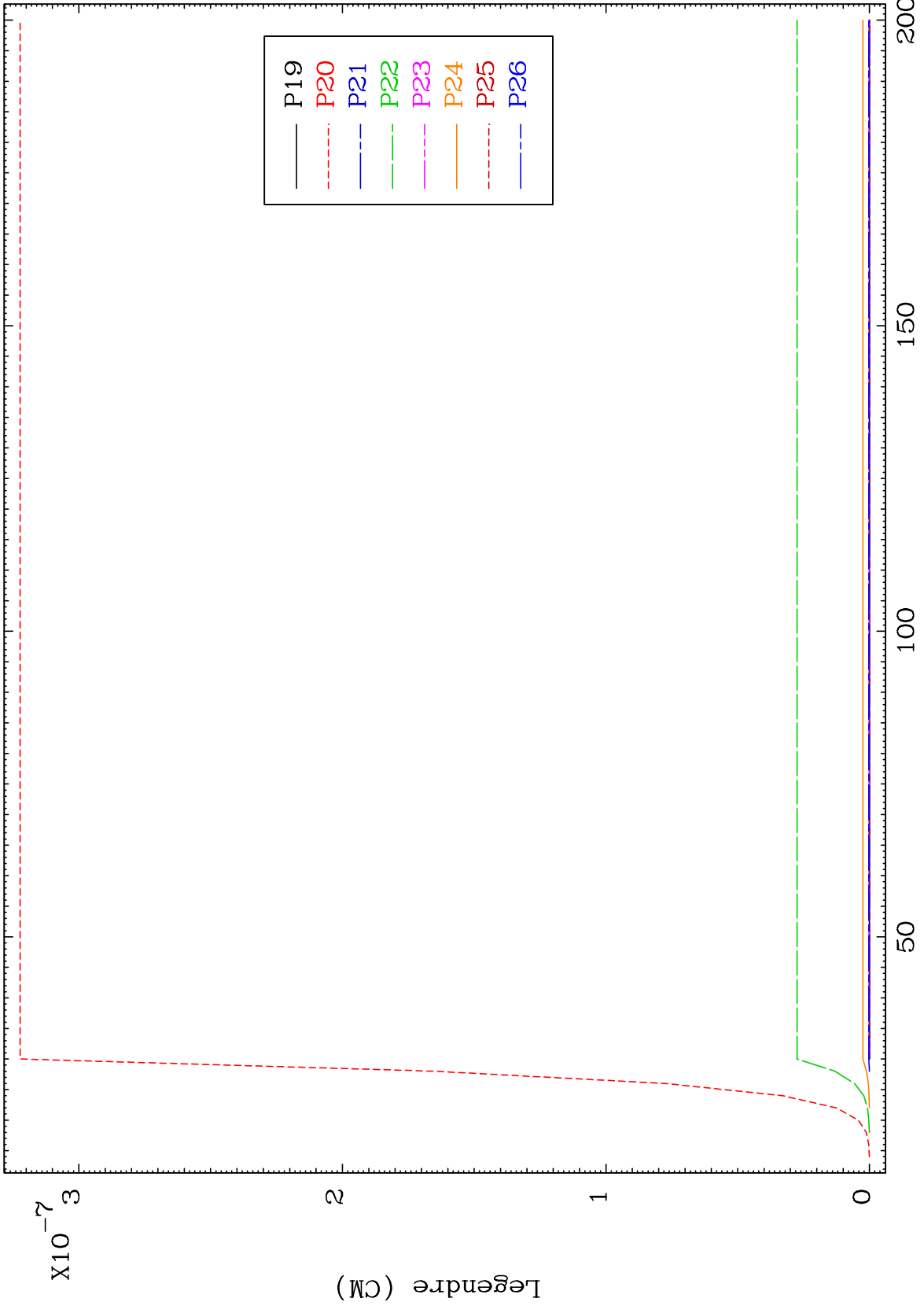


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Incident Energy (MeV)

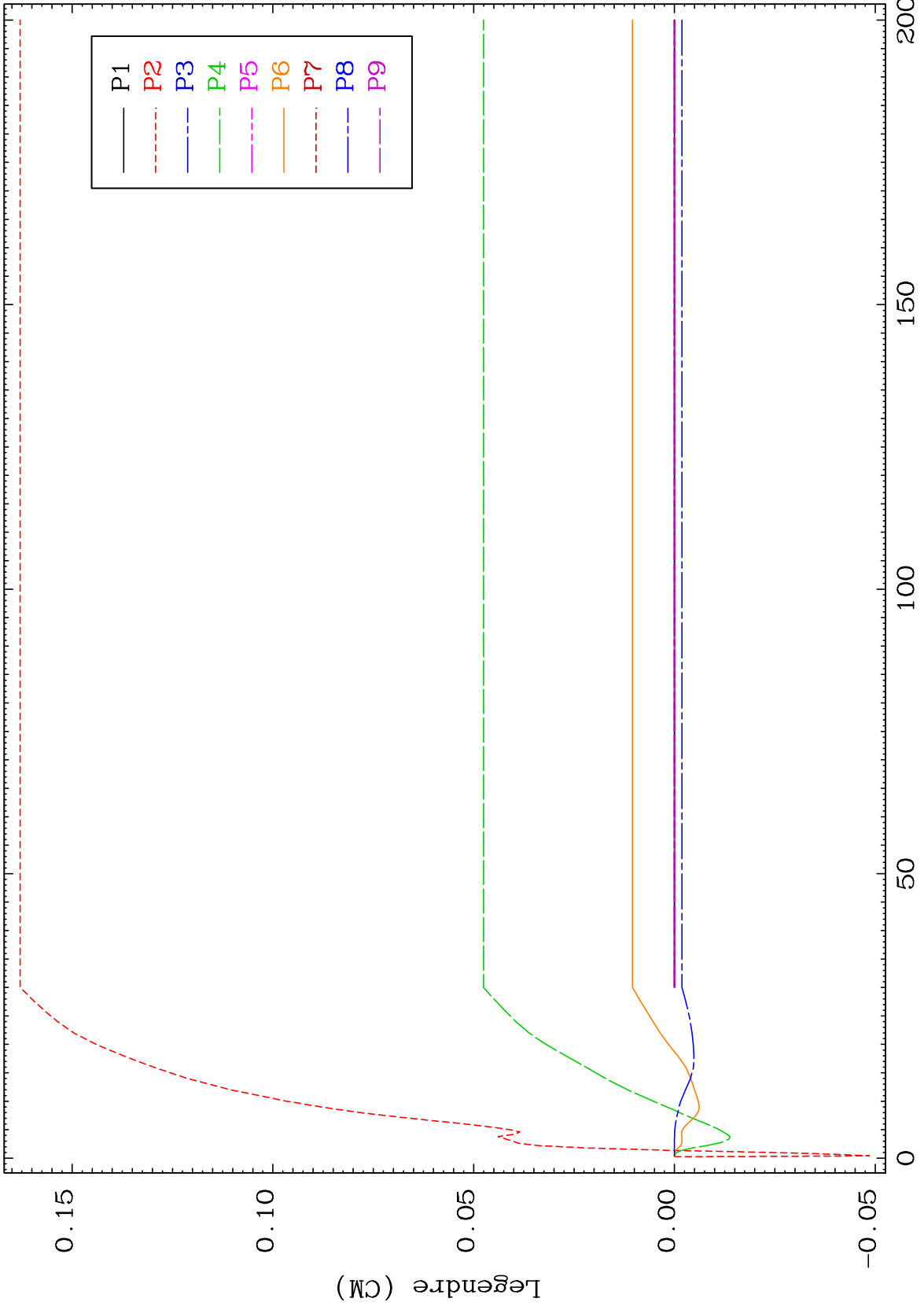
37-Rb-90

MAT 3740 MT= 53 (n,n') Level Legendre Coefficients 37-Rb-90



37-Rb-90

MAT 3740 MT= 54 (n,n') Level Legendre Coefficients 37-Rb-90

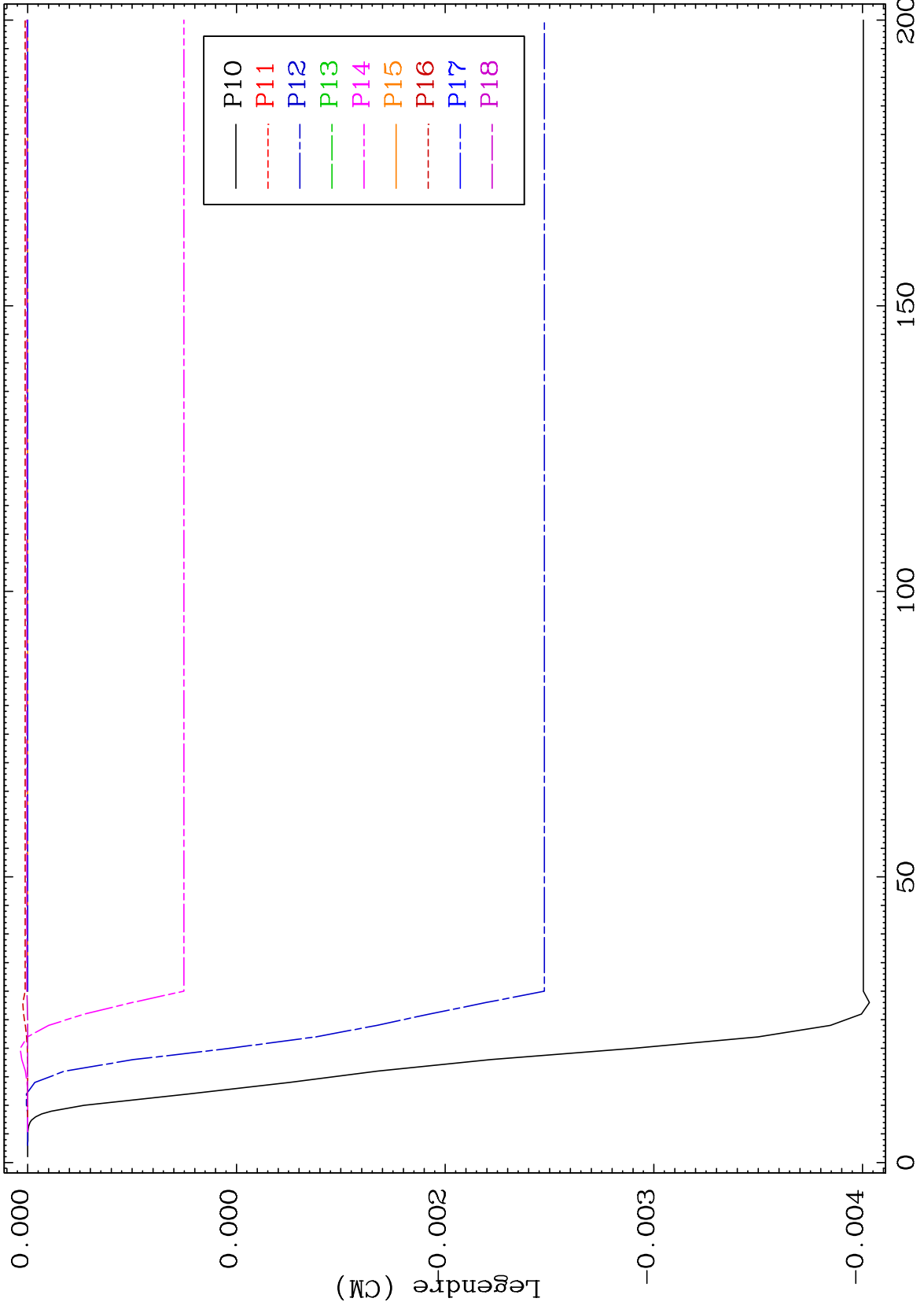


31 37-Rb-90

MAT 3740

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

37-Rb-90

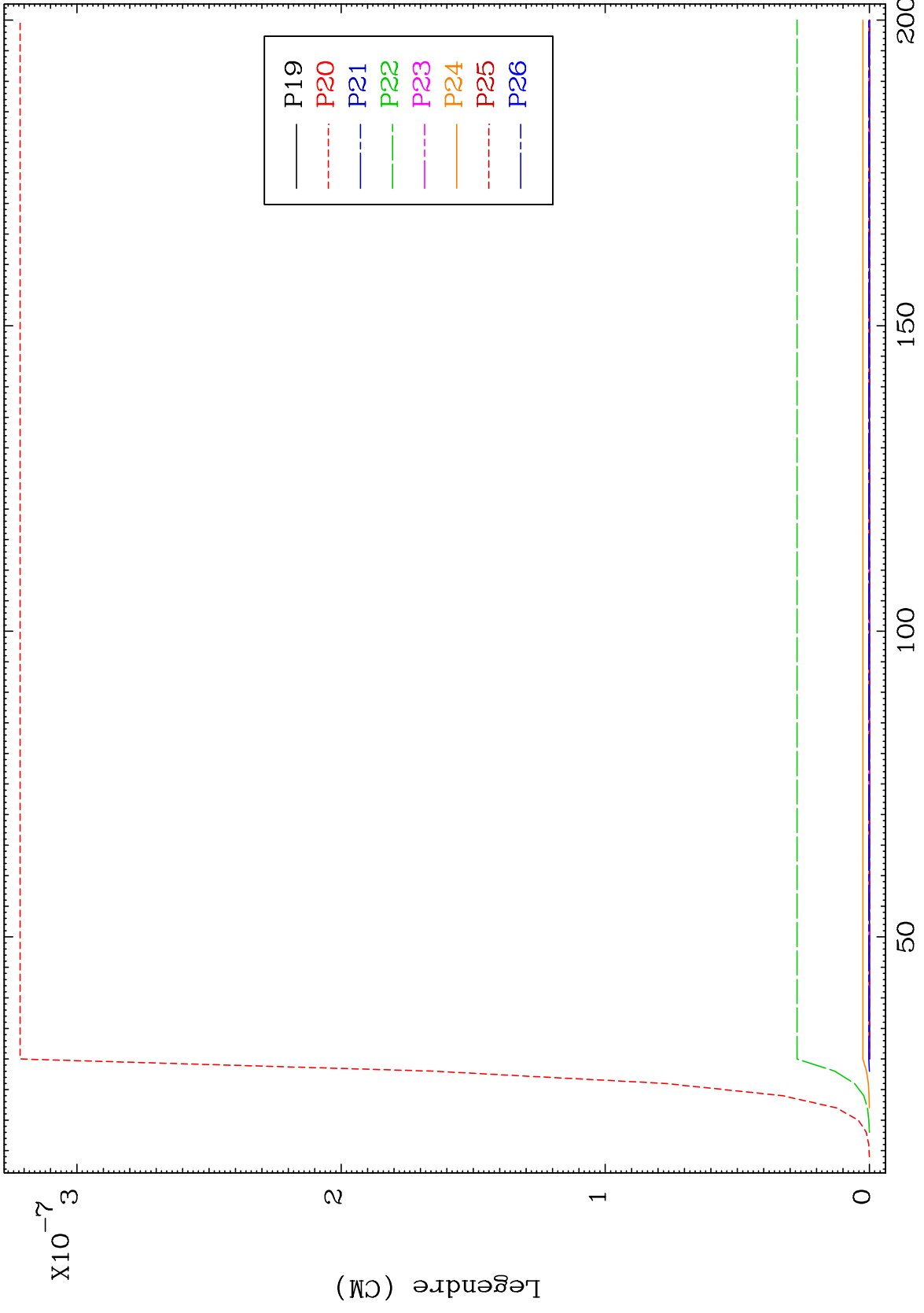


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Incident Energy (MeV)

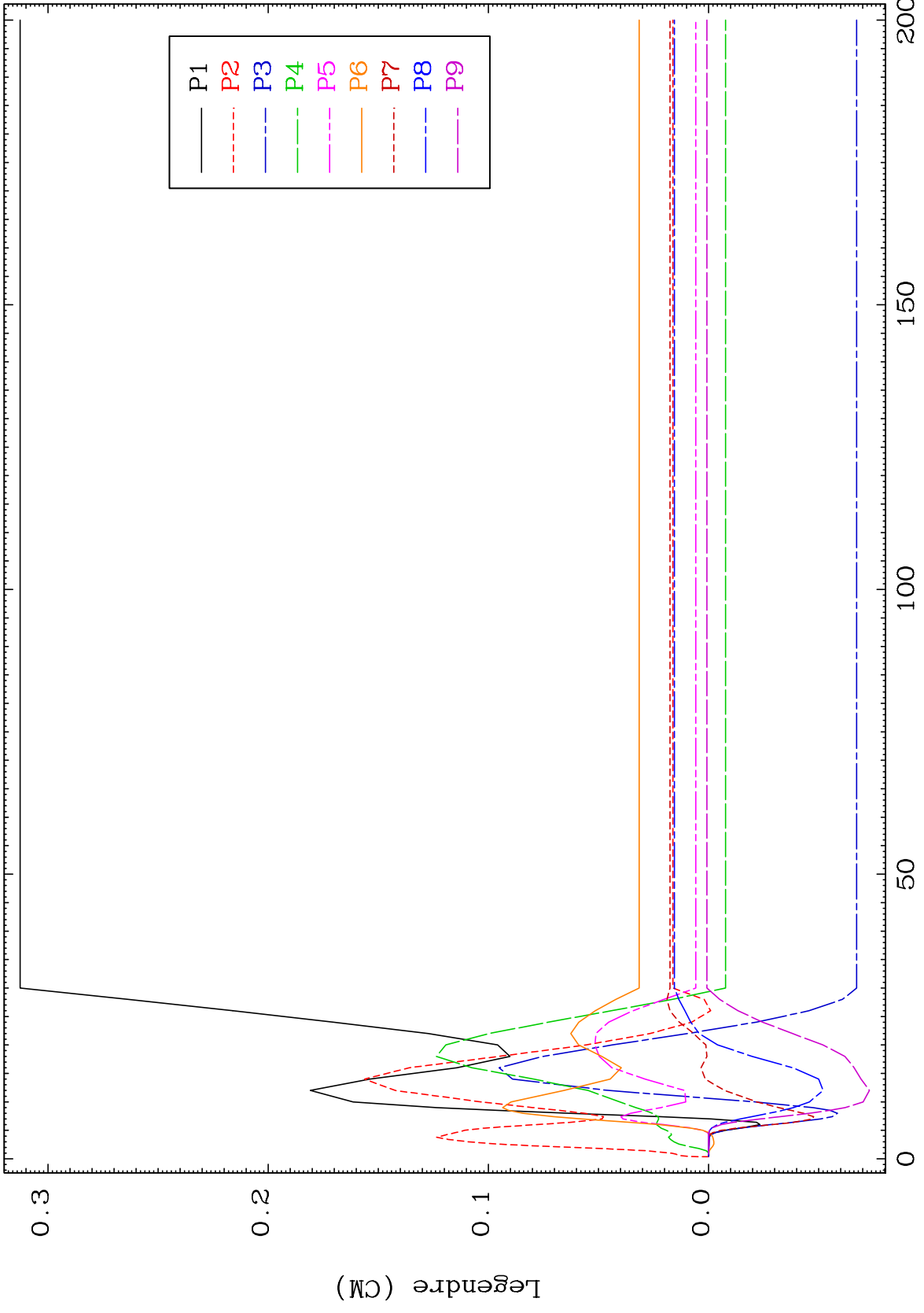
37-Rb-90

MAT 3740 MT= 54 (n,n') Level Legendre Coefficients 37-Rb-90



33 37-Rb-90

MAT 3740 MT= 55 (n,n') Level Legendre Coefficients 37-Rb-90

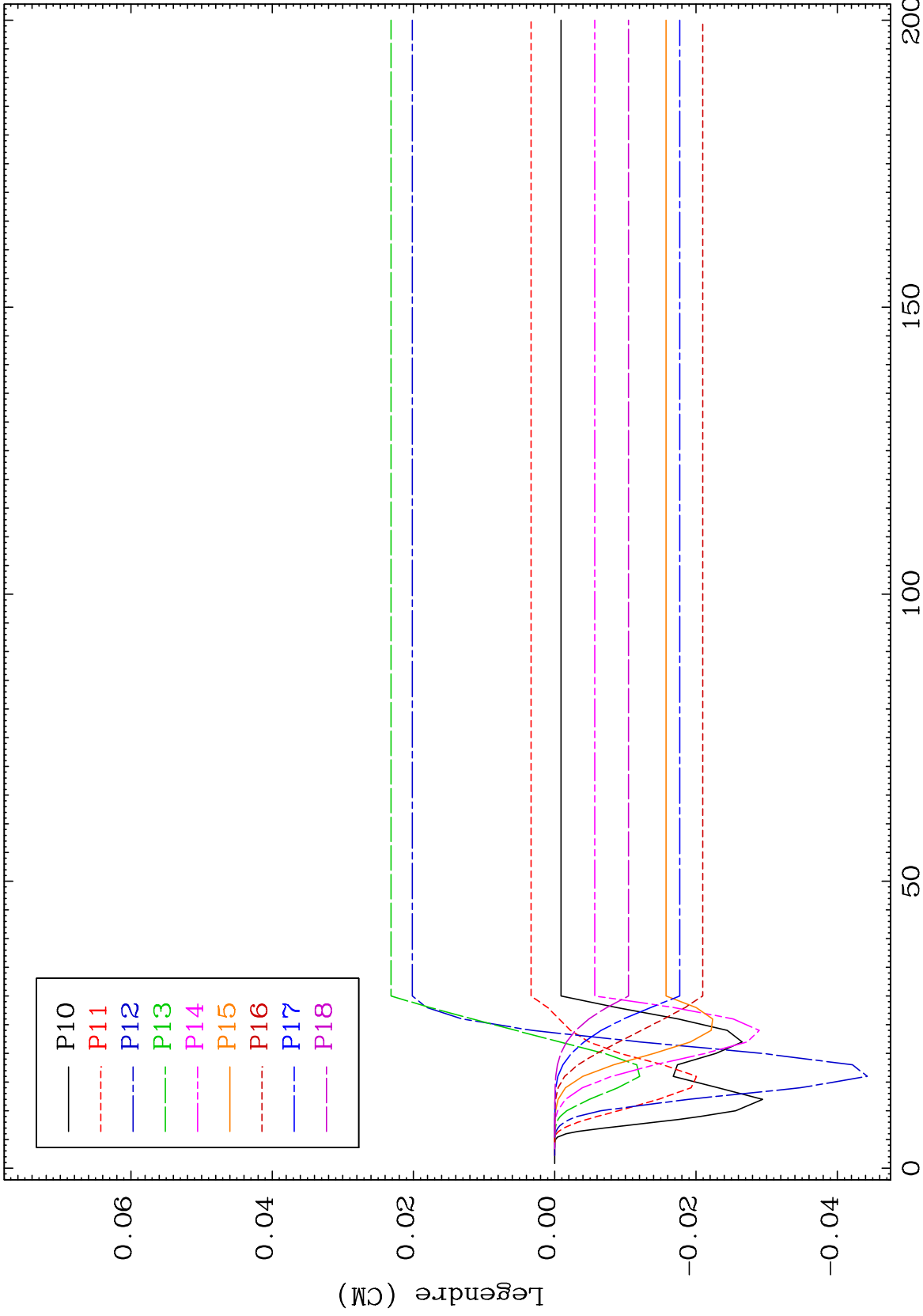


34 37-Rb-90

MAT 3740

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

37-Rb-90

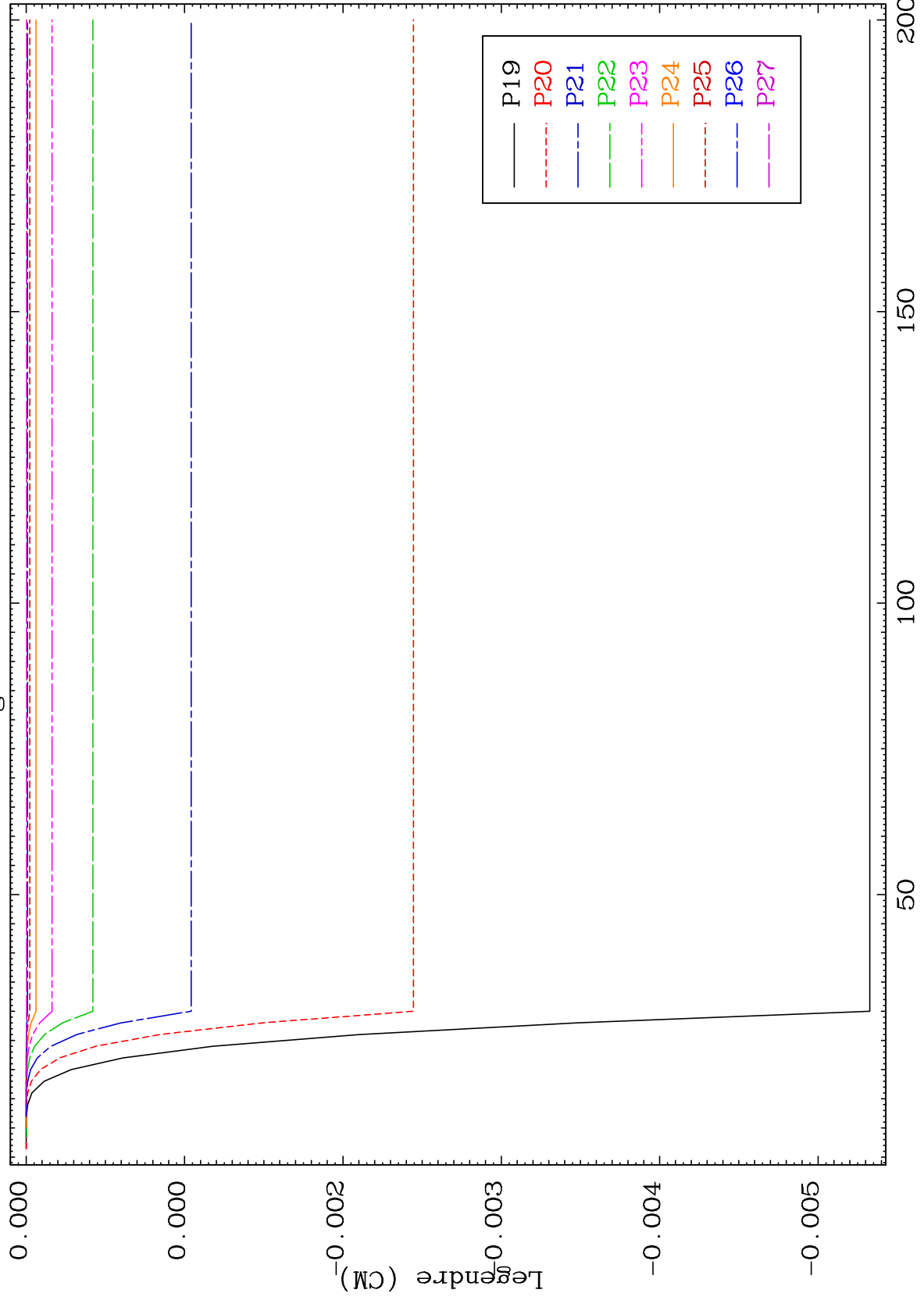


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Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 55 (n,n') Level Legendre Coefficients 37-Rb-90

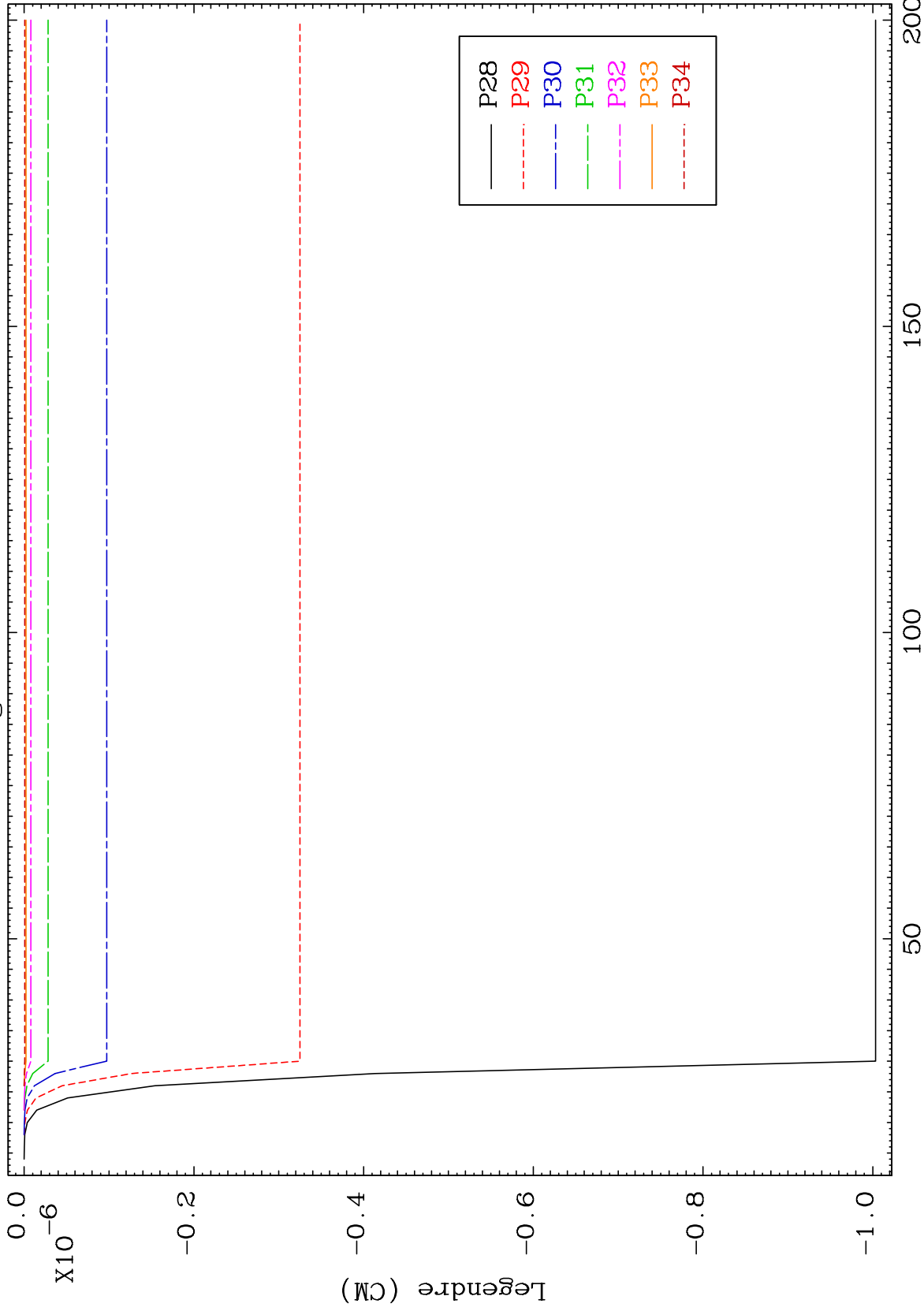


36 37-Rb-90

MAT 3740

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

37-Rb-90

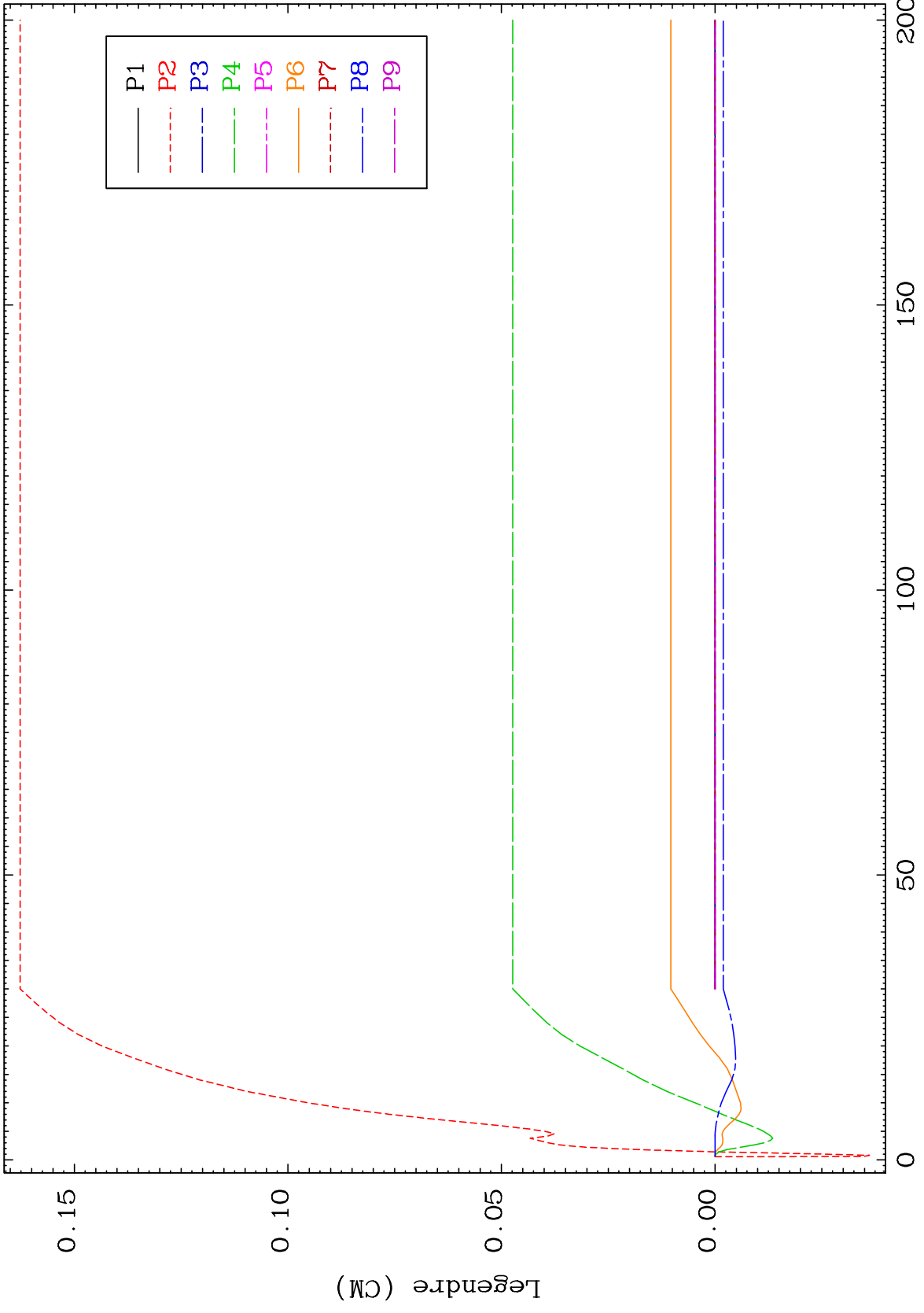


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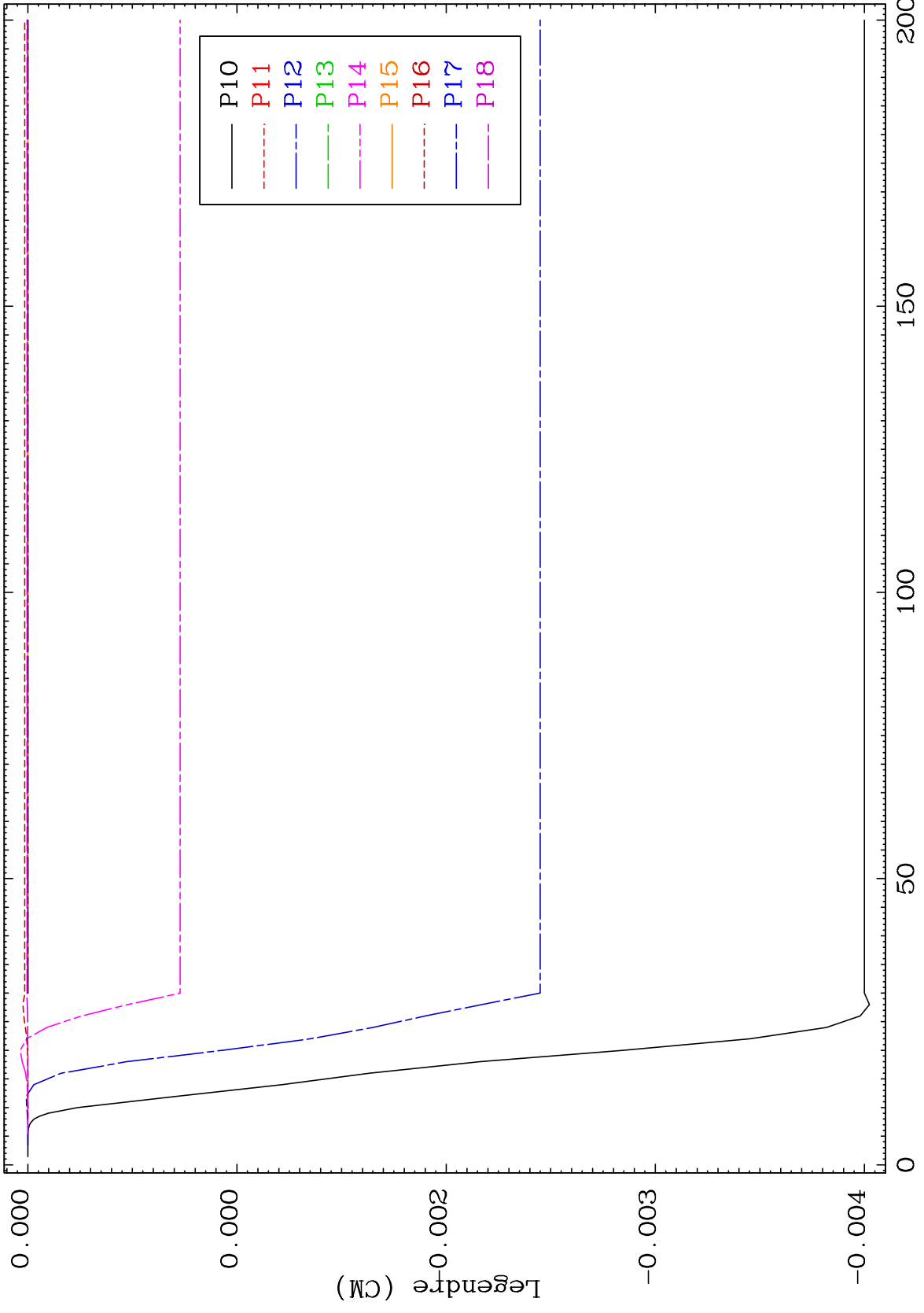
Incident Energy (MeV)

37-Rb-90

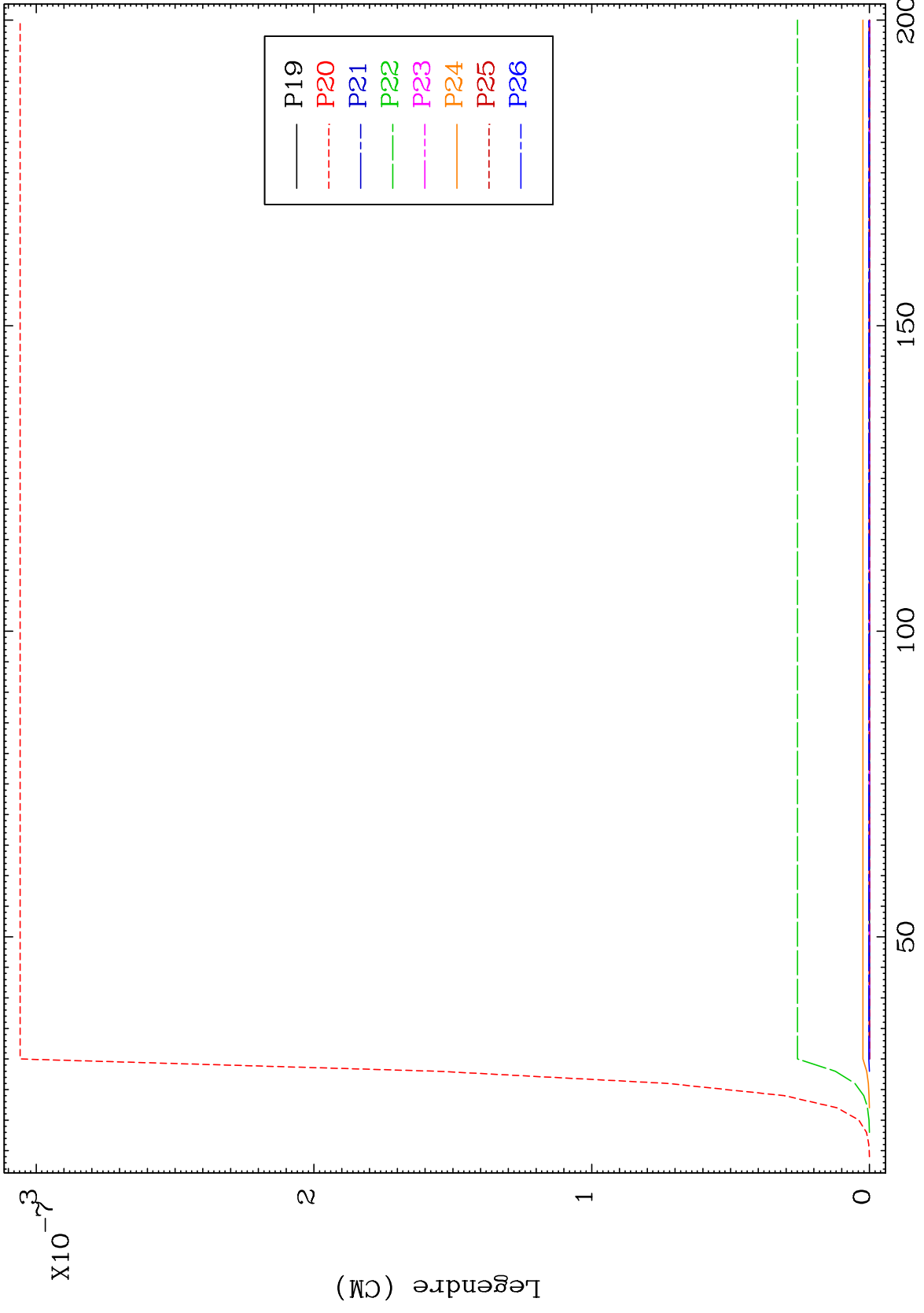
MAT 3740 MT= 56 (n,n') Level Legendre Coefficients 37-Rb-90



38 37-Rb-90

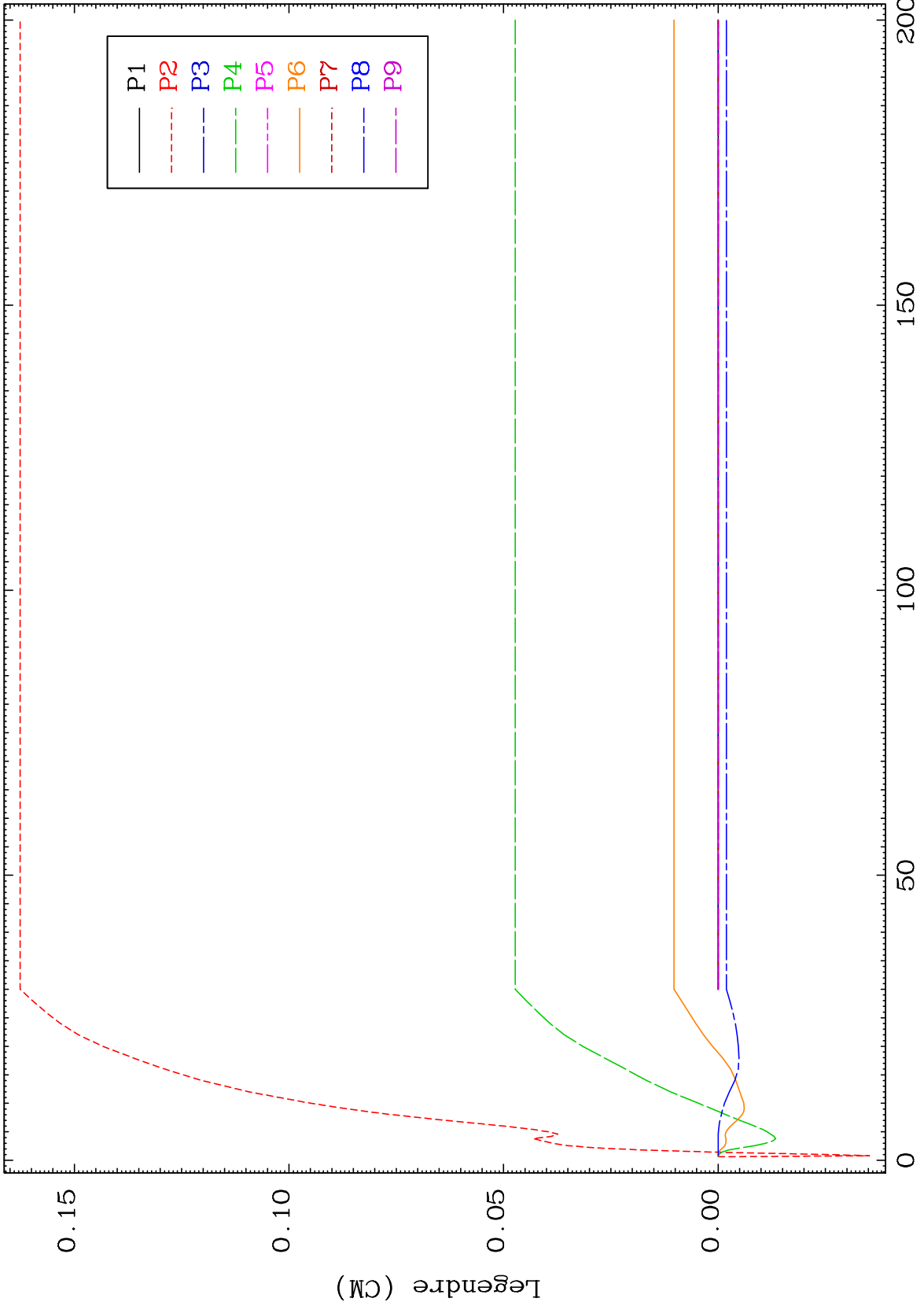


MAT 3740 MT= 56 (n,n') Level Legendre Coefficients 37-Rb-90



37-Rb-90

MAT 3740 MT= 57 (n,n') Level Legendre Coefficients 37-Rb-90

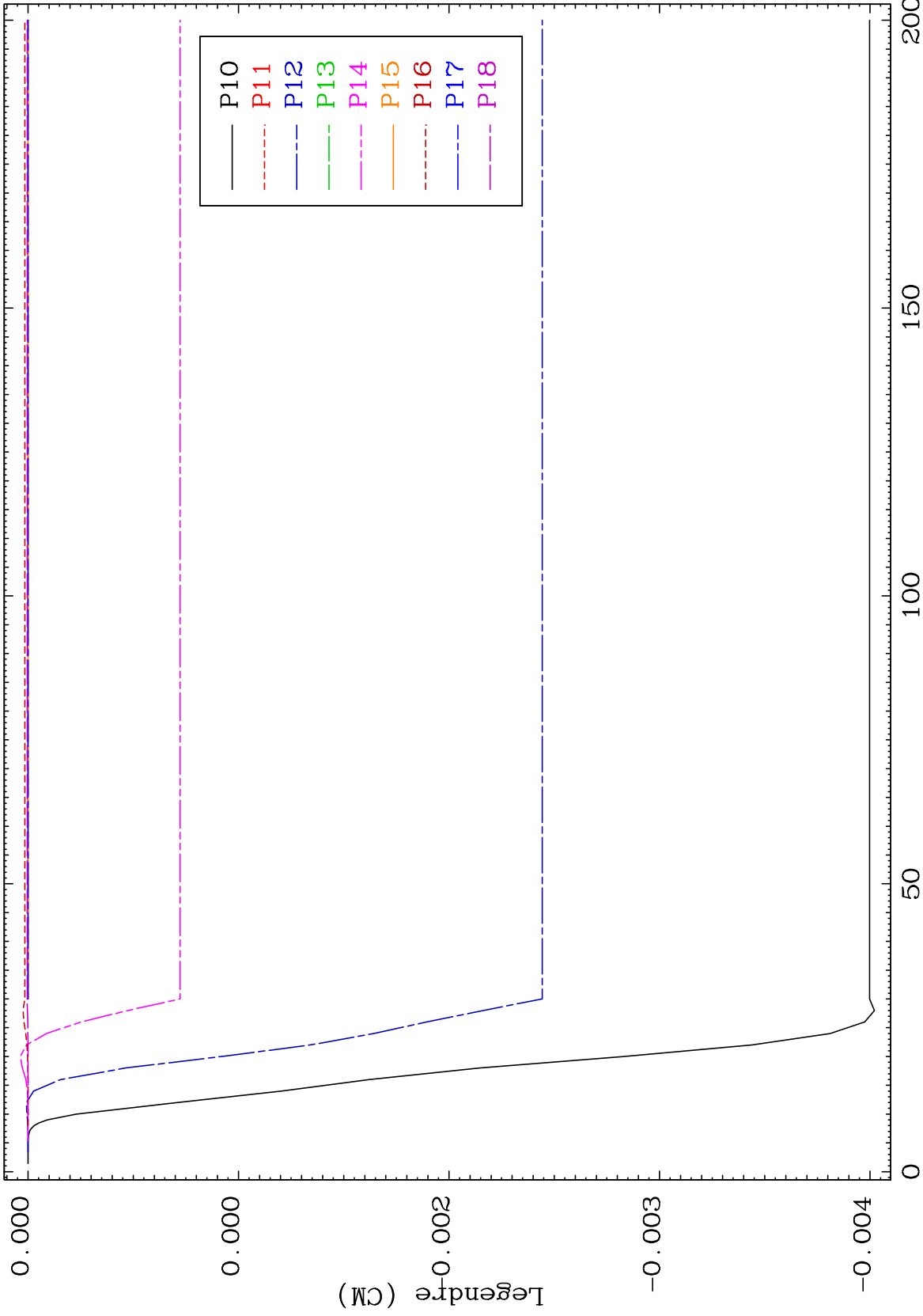


41 37-Rb-90

MAT 3740

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

37-Rb-90

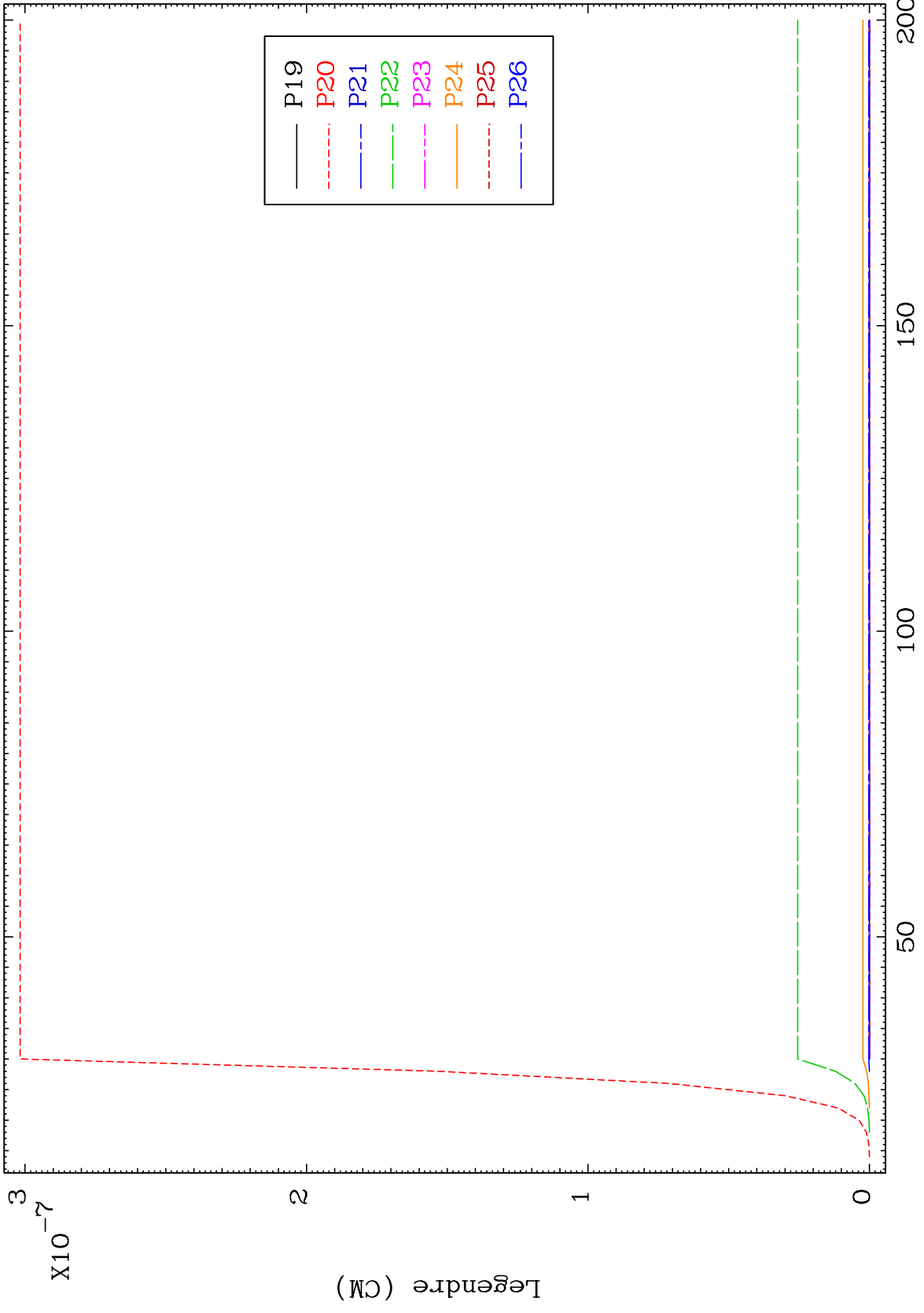


42

Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 57 (n,n') Level Legendre Coefficients 37-Rb-90

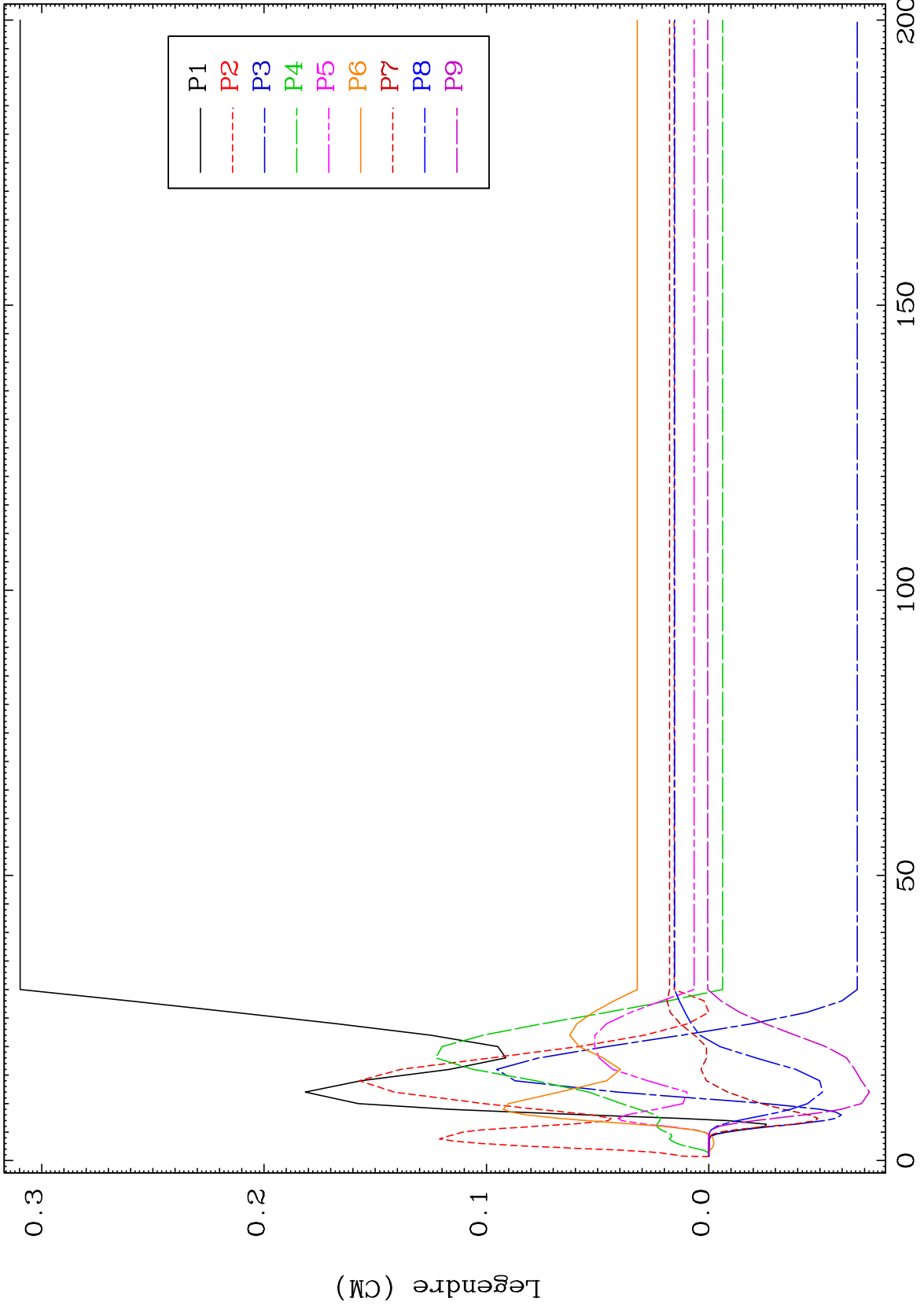


43 50 100 150 200 37-Rb-90

MAT 3740

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

37-Rb-90



44

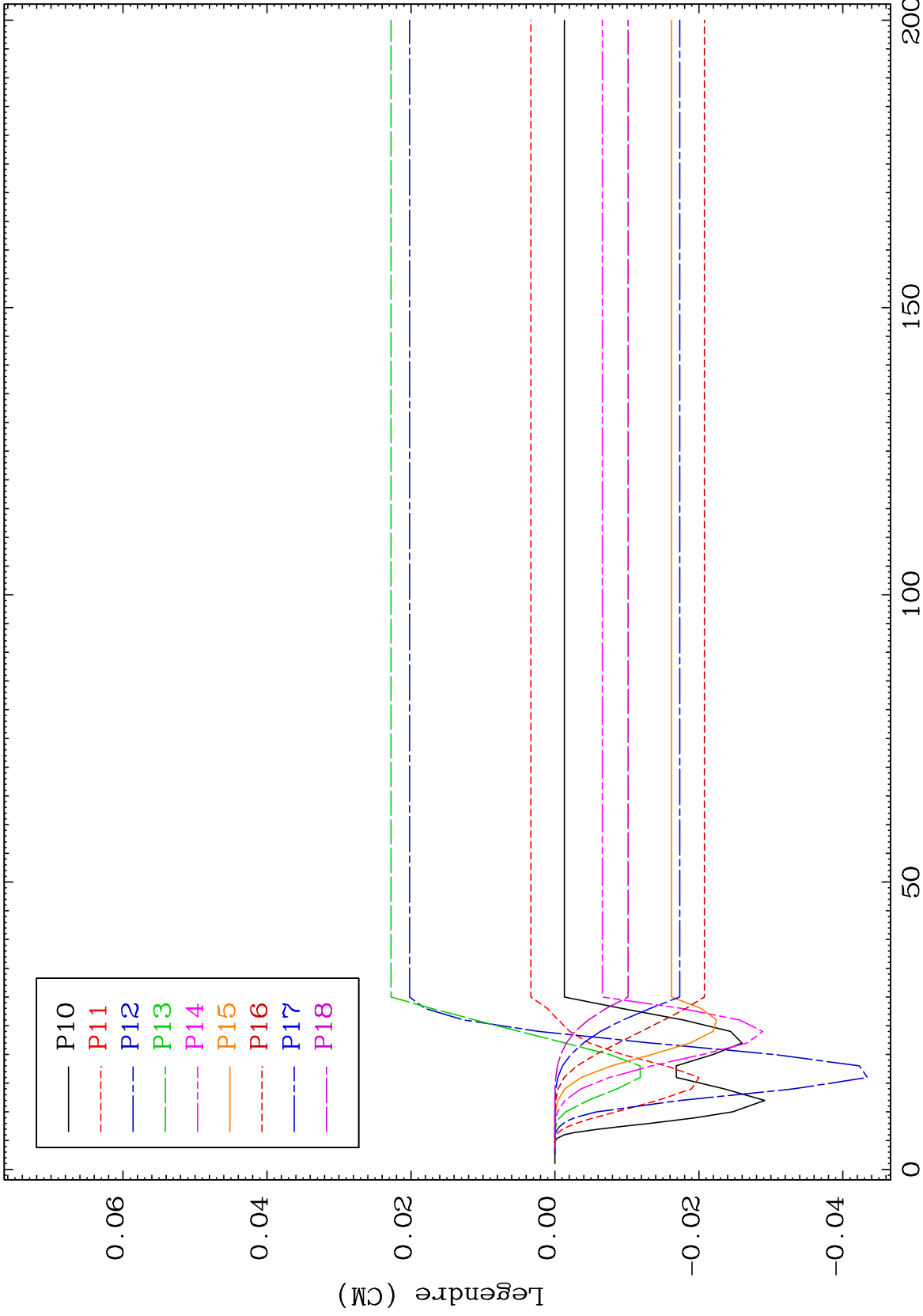
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90

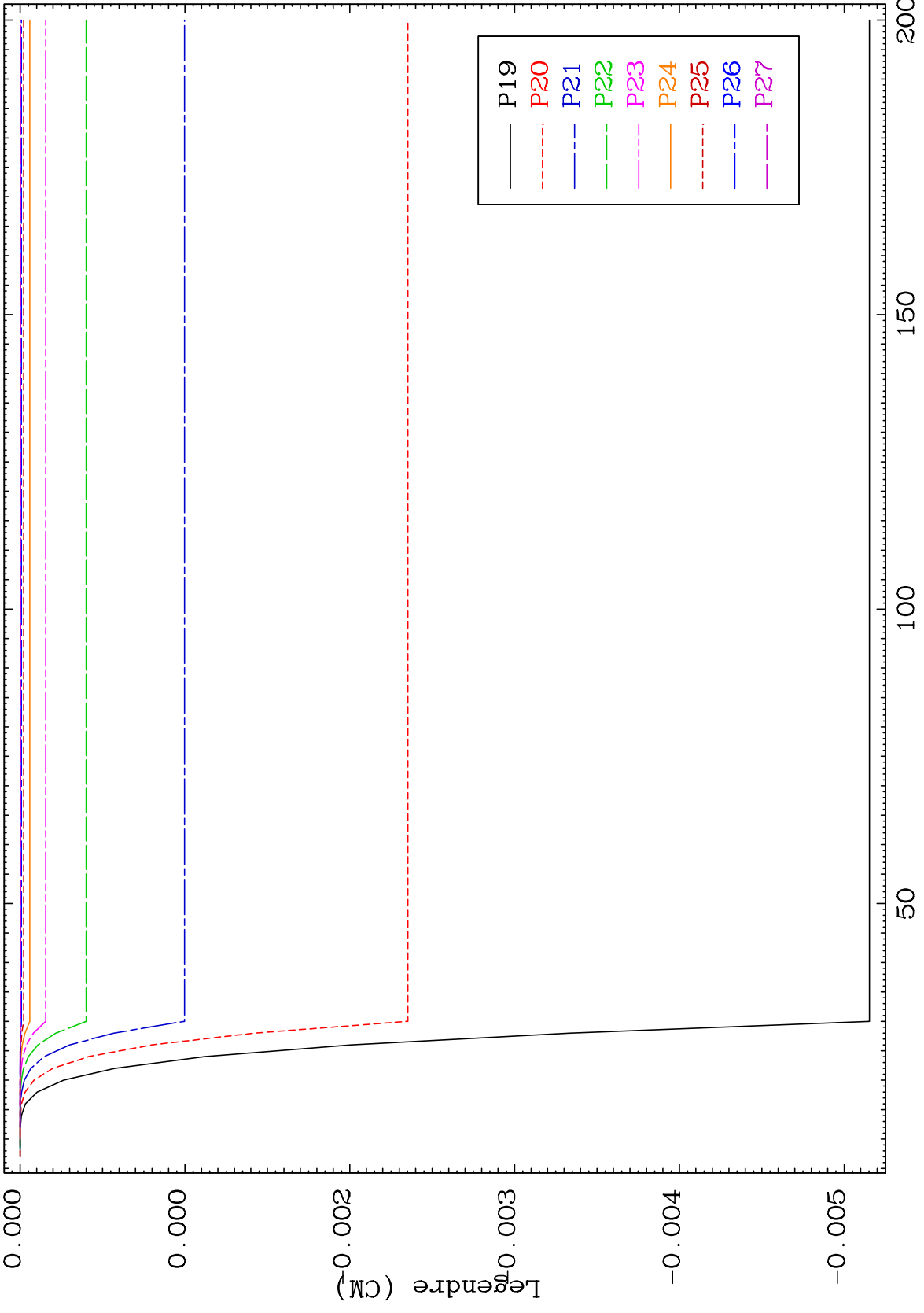


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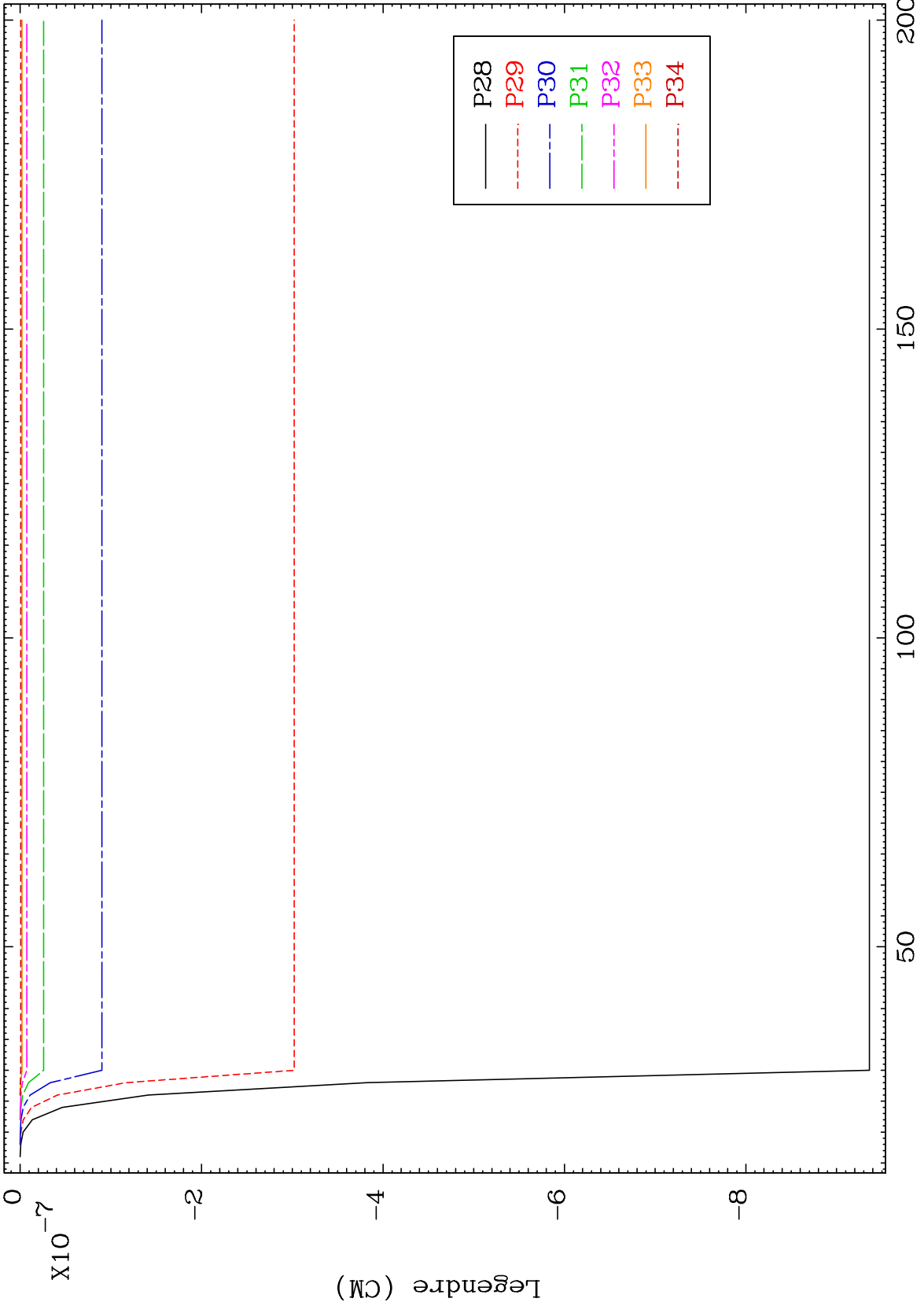
Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 58 (n,n') Level Legendre Coefficients 37-Rb-90



MAT 3740 MT= 58 (n,n') Level Legendre Coefficients 37-Rb-90

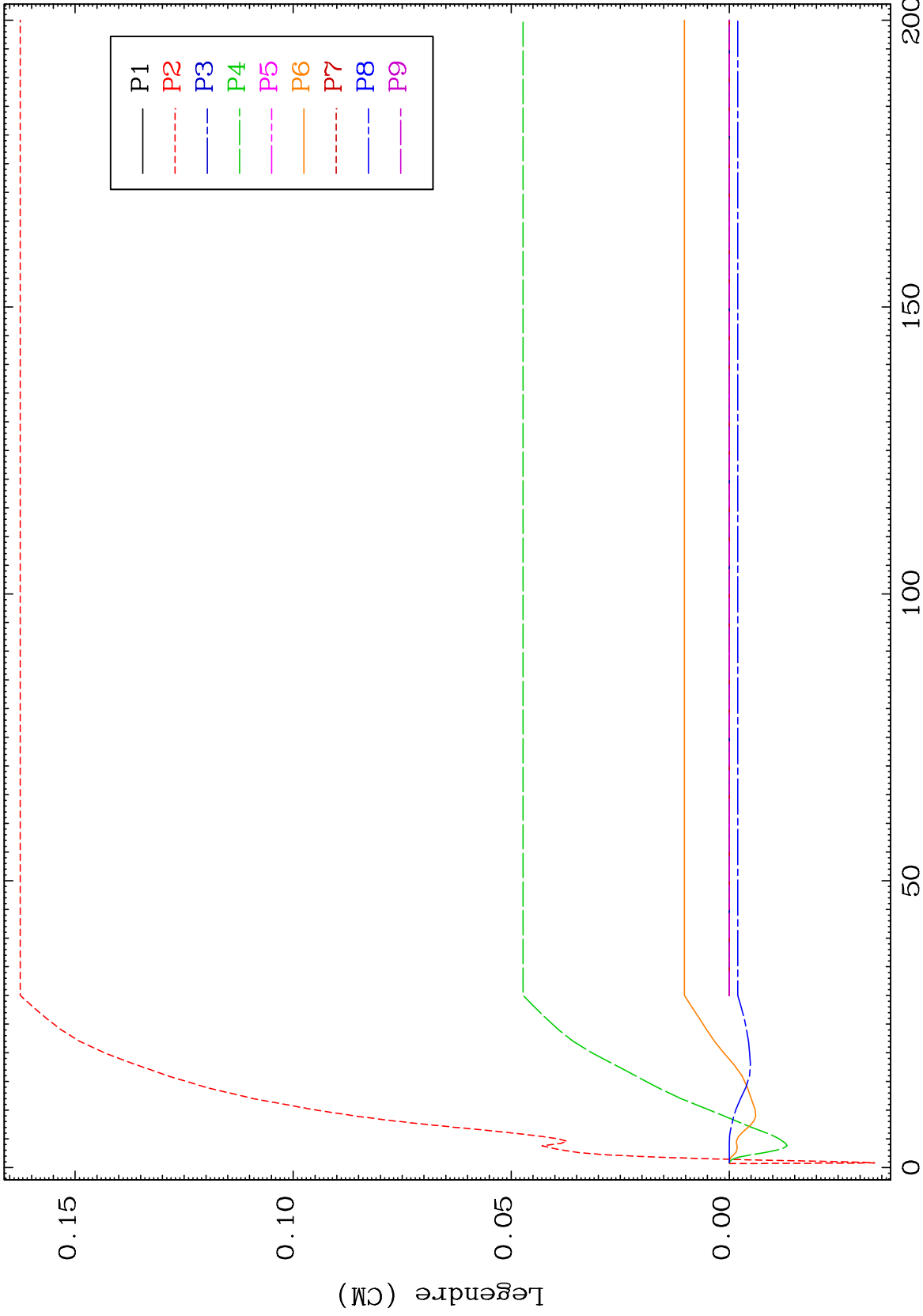


47 37-Rb-90

MAT 3740

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

37-Rb-90

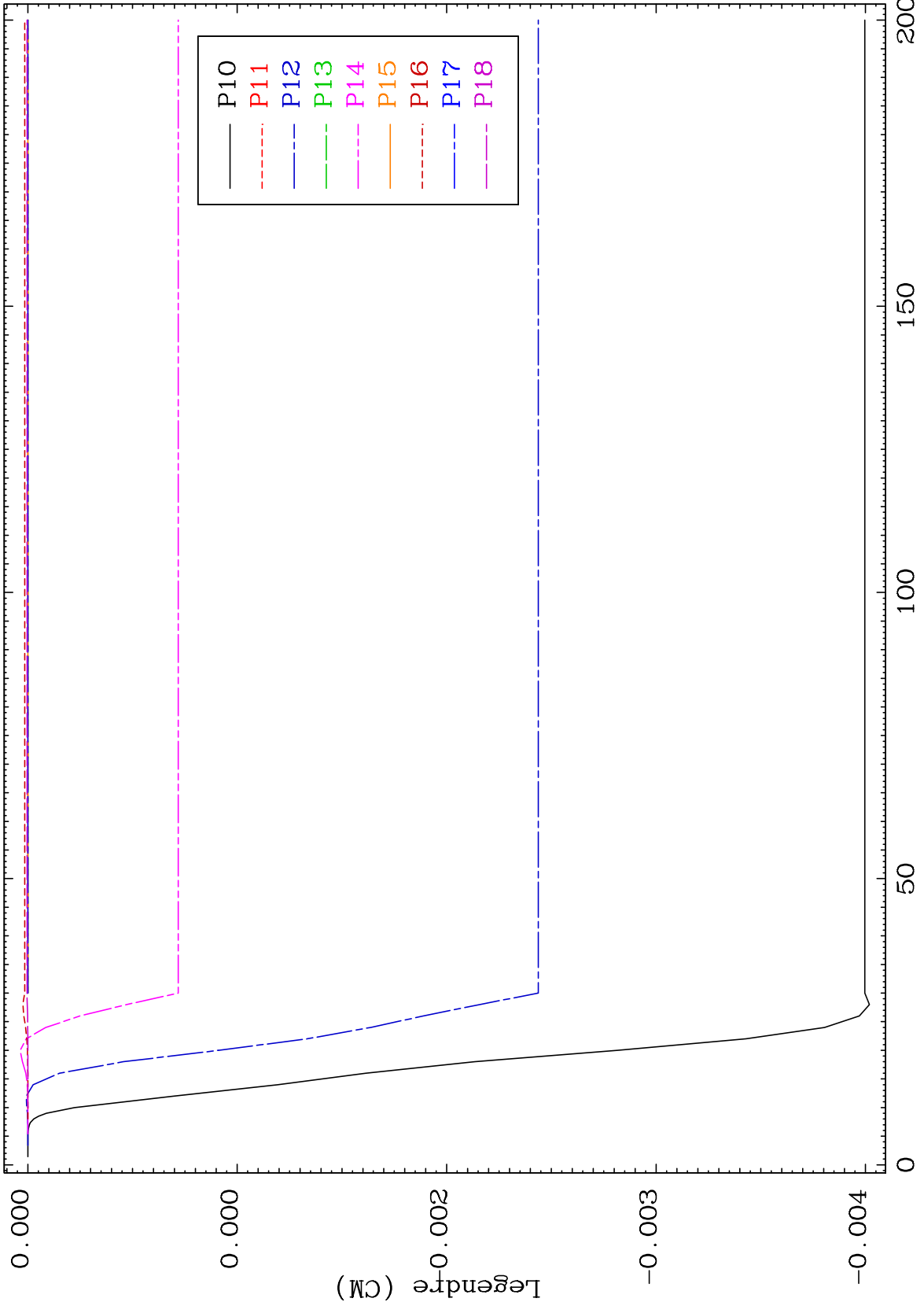


48

Incident Energy (MeV)

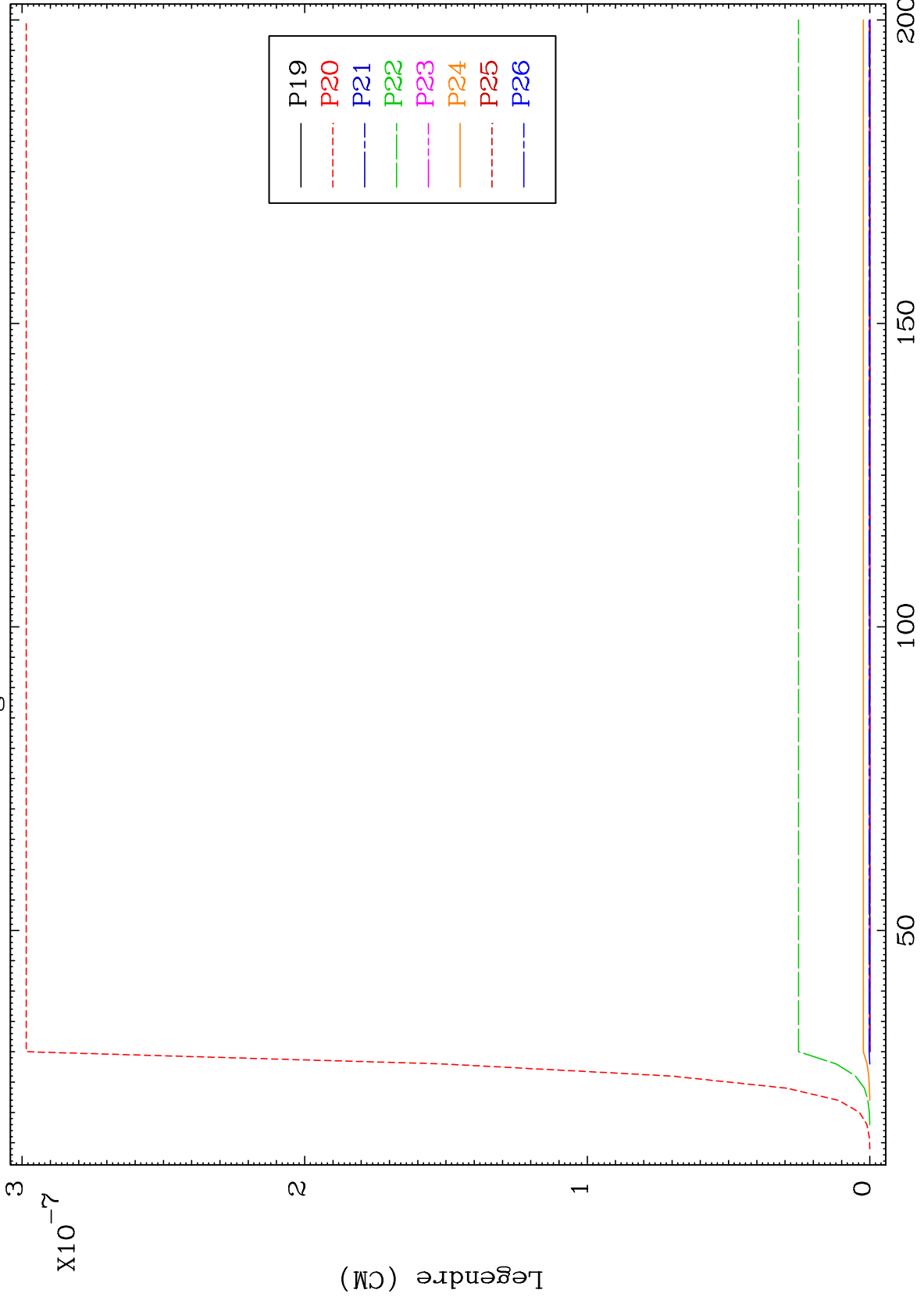
37-Rb-90

MAT 3740 MT= 59 (n,n') Level Legendre Coefficients 37-Rb-90



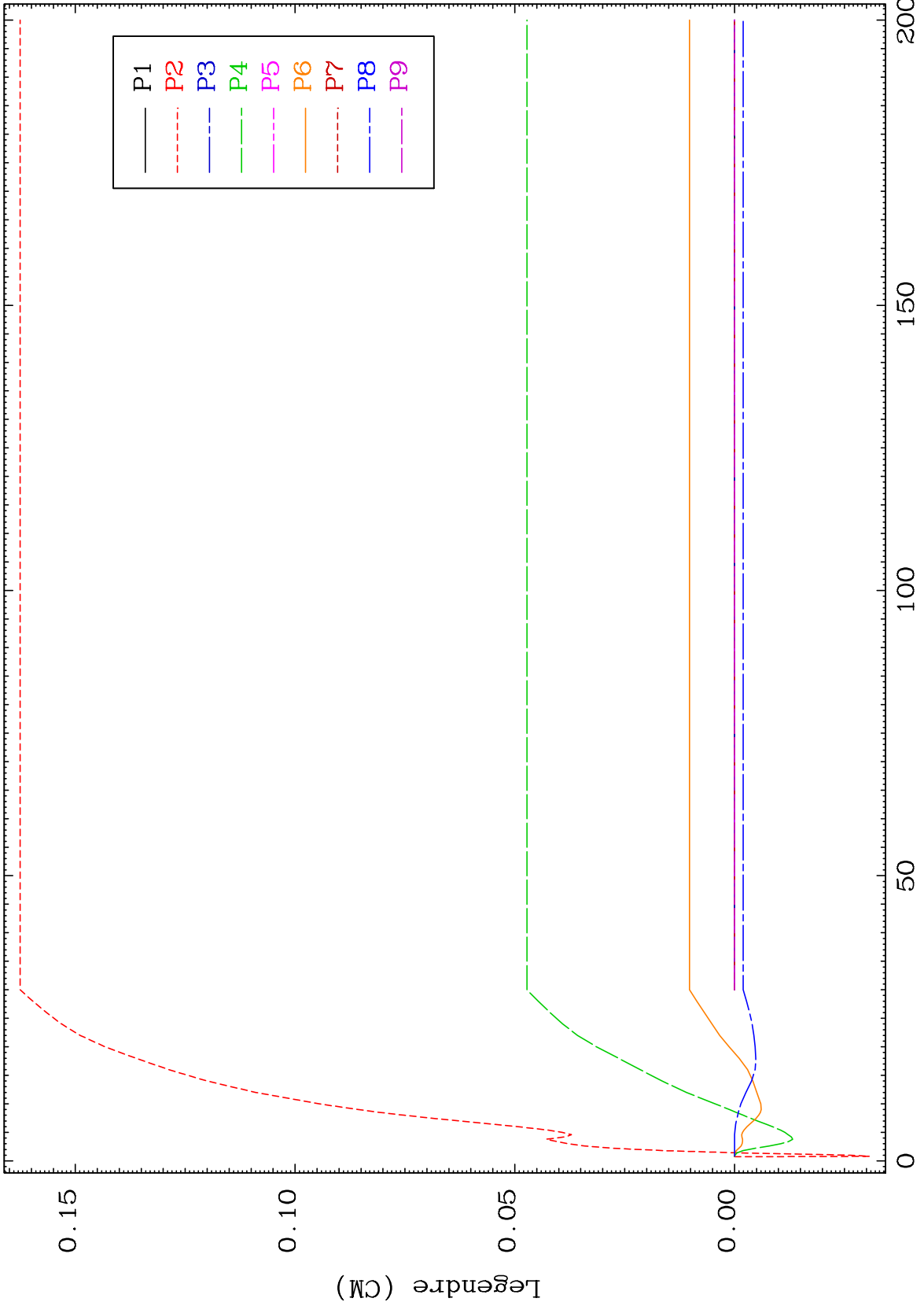
49 37-Rb-90

MAT 3740 MT= 59 (n,n') Level Legendre Coefficients 37-Rb-90



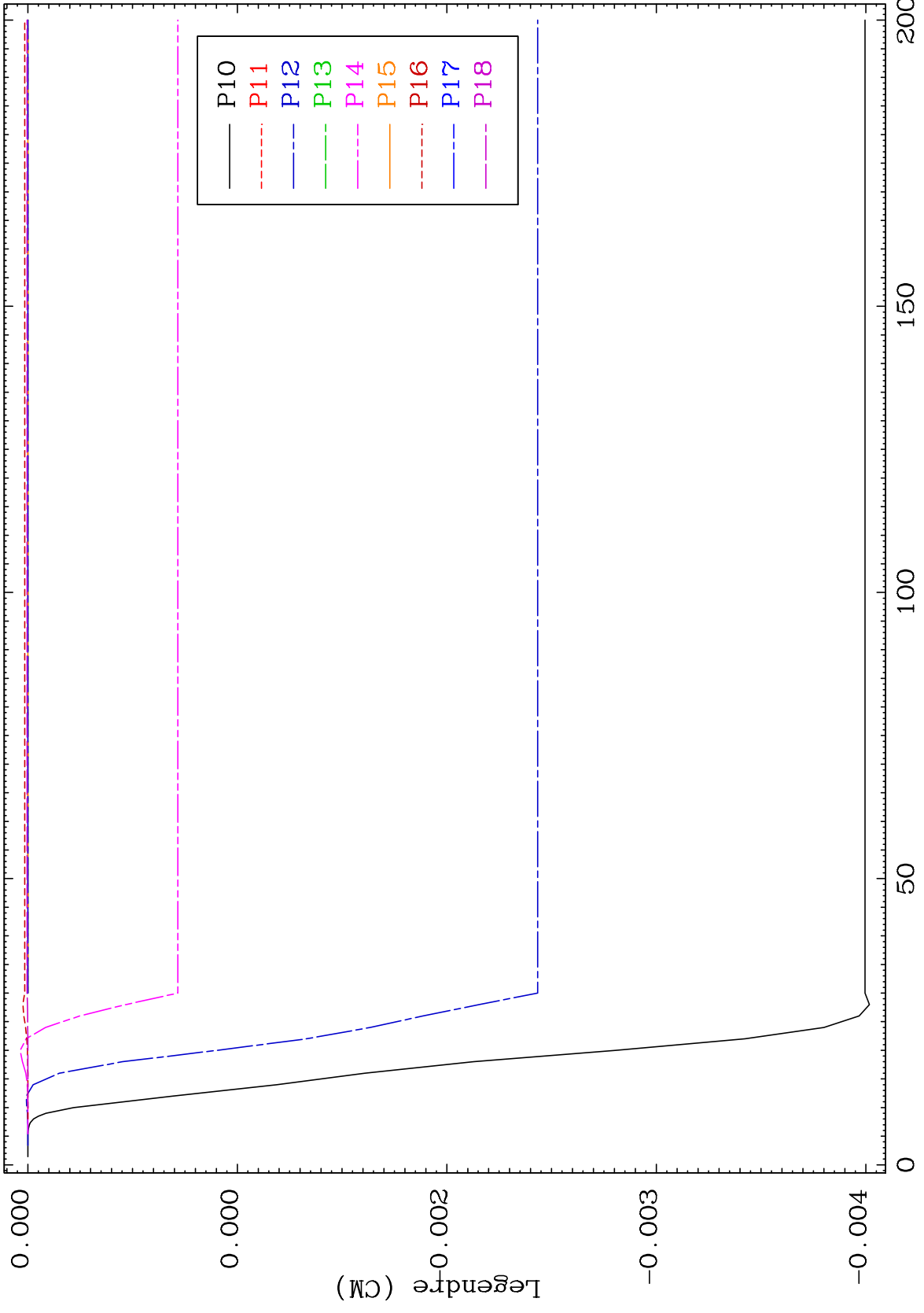
Incident Energy (MeV) 37-Rb-90

MAT 3740 MT= 60 (n,n') Level Legendre Coefficients 37-Rb-90



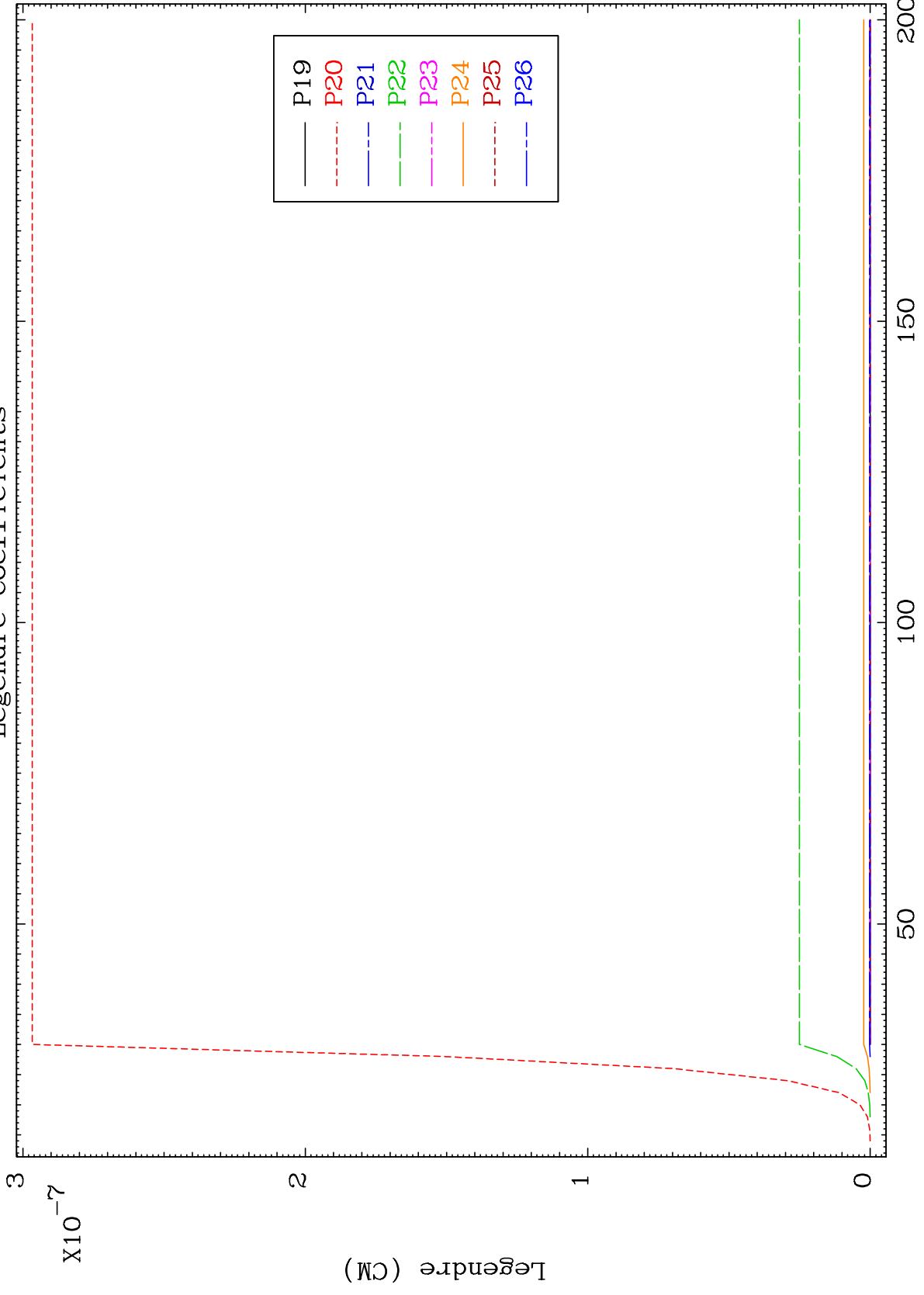
51 37-Rb-90

MAT 3740 MT= 60 (n,n') Level Legendre Coefficients 37-Rb-90



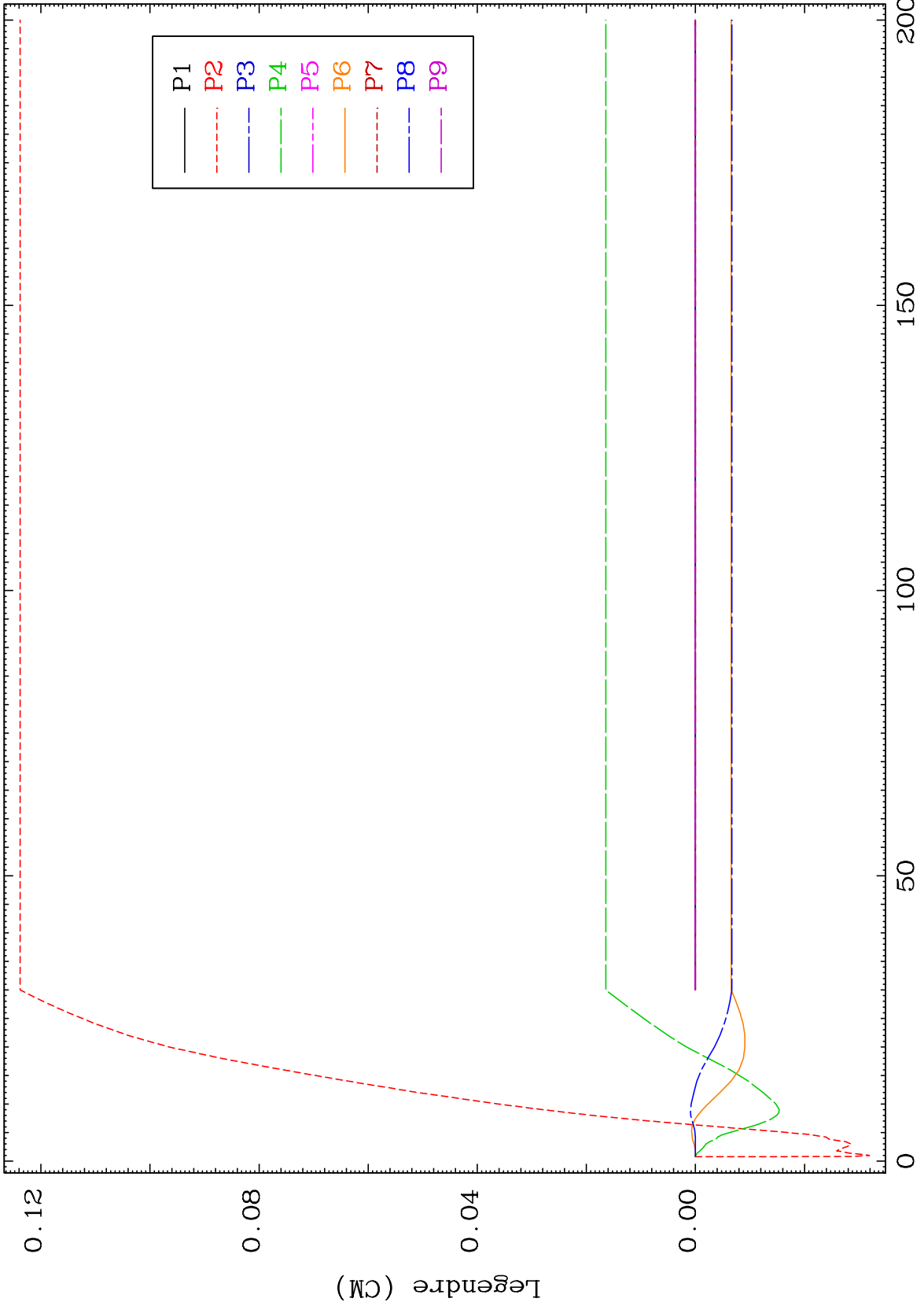
52 37-Rb-90

MAT 3740 MT= 60 (n,n') Level Legendre Coefficients 37-Rb-90



53 37-Rb-90

MAT 3740 MT= 61 (n,n') Level Legendre Coefficients 37-Rb-90

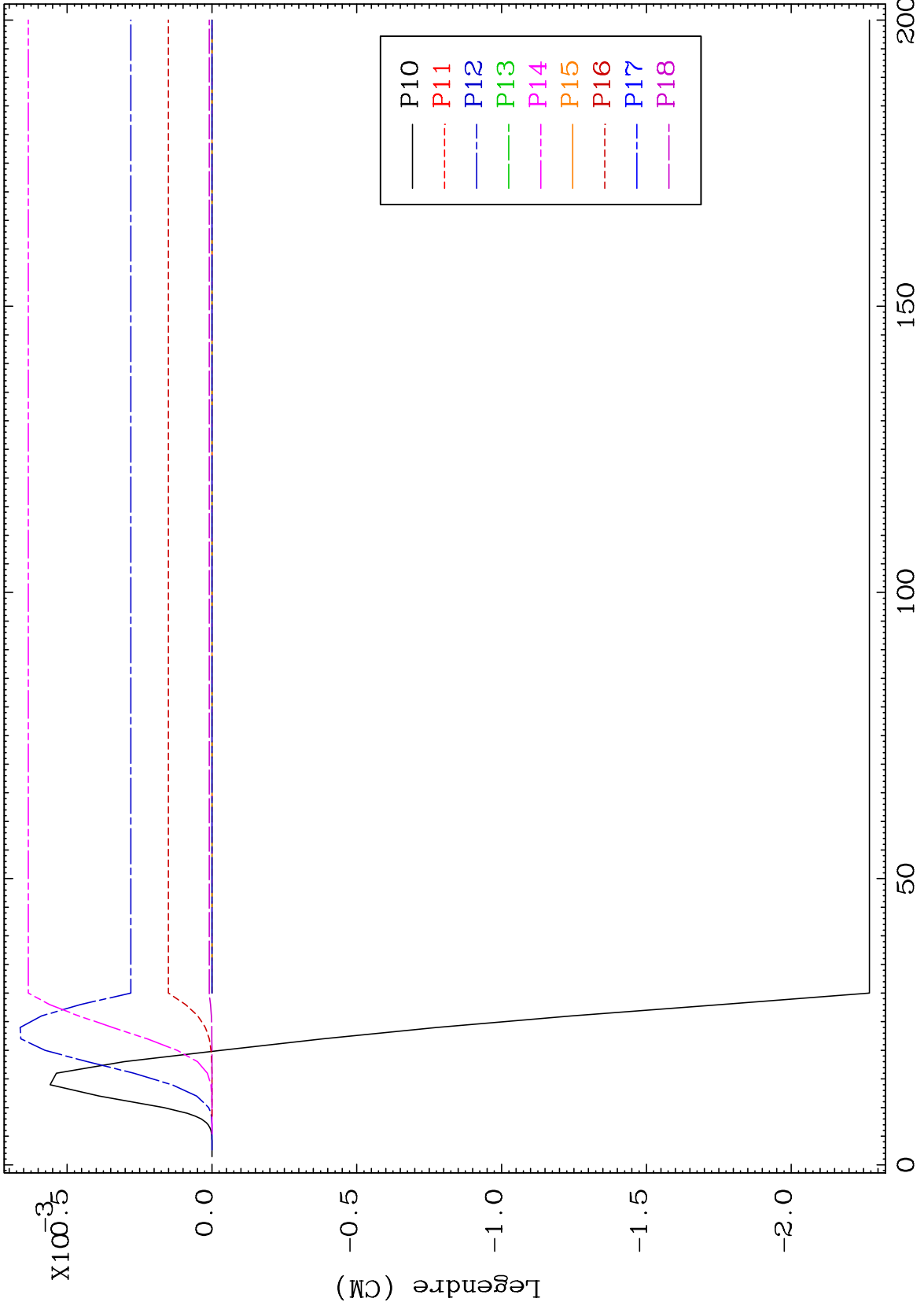


54 37-Rb-90

MAT 3740

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

37-Rb-90

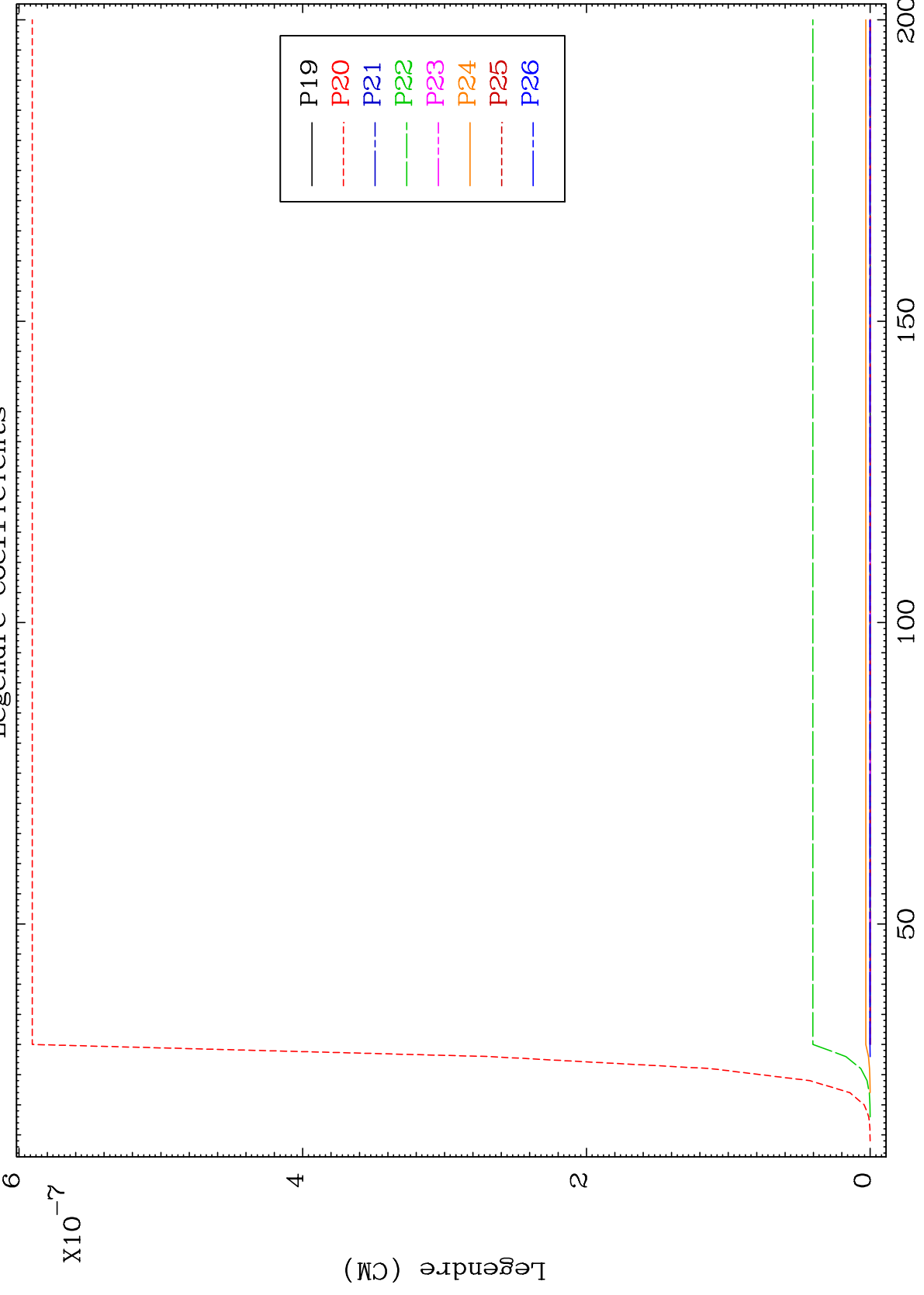


55

Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 61 (n,n') Level Legendre Coefficients 37-Rb-90

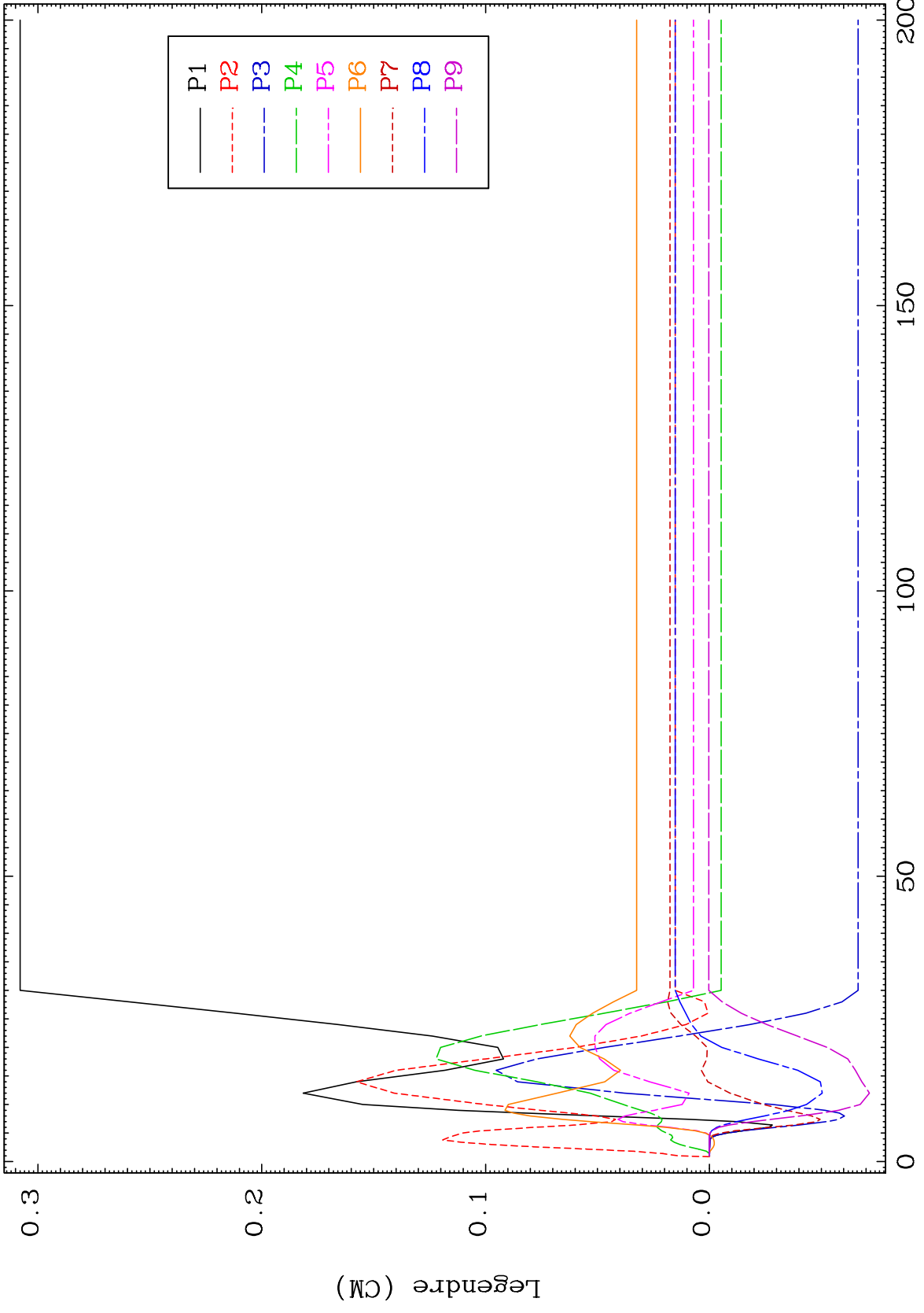


56 Incident Energy (MeV) 37-Rb-90

MAT 3740

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

37-Rb-90



57

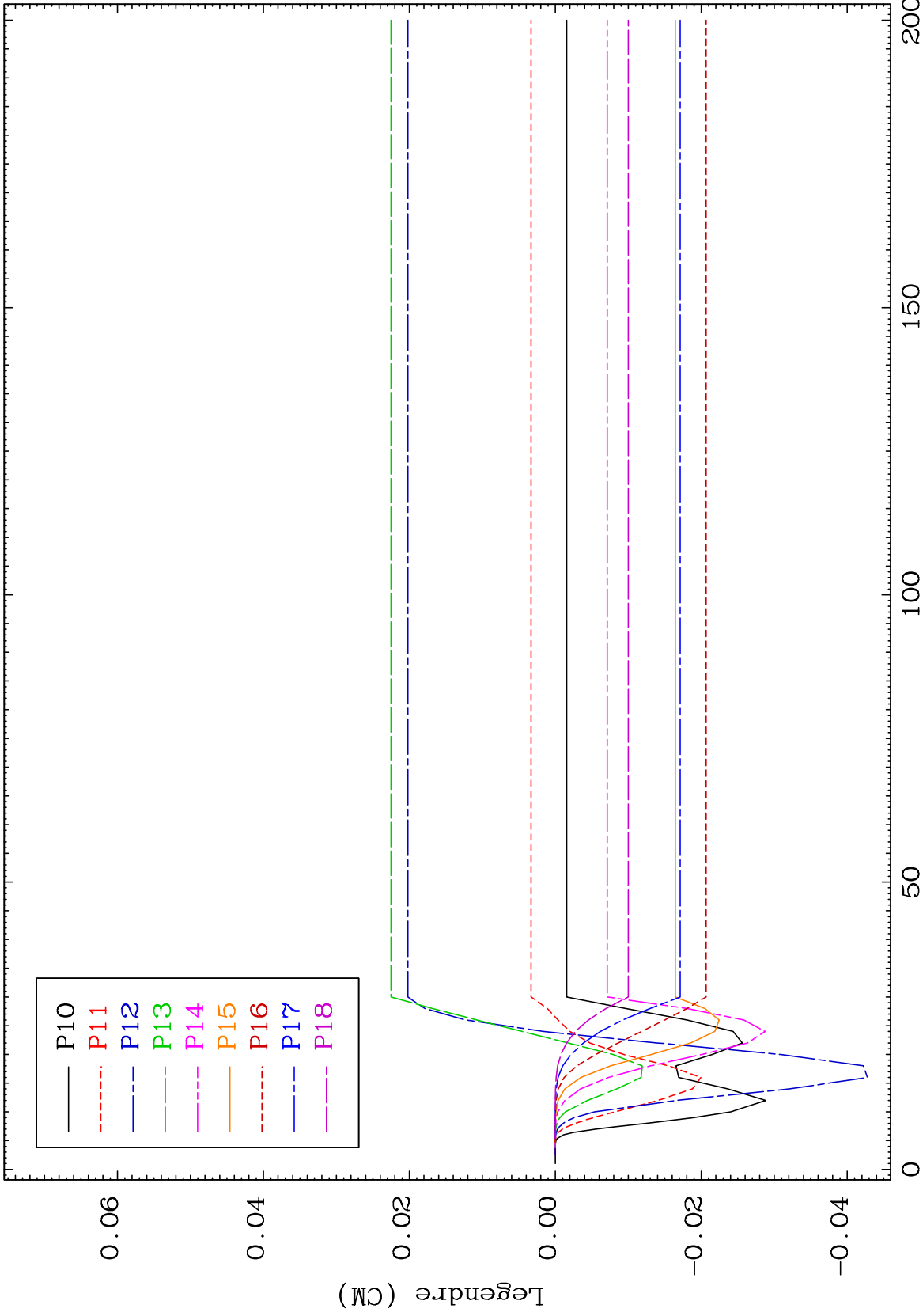
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90

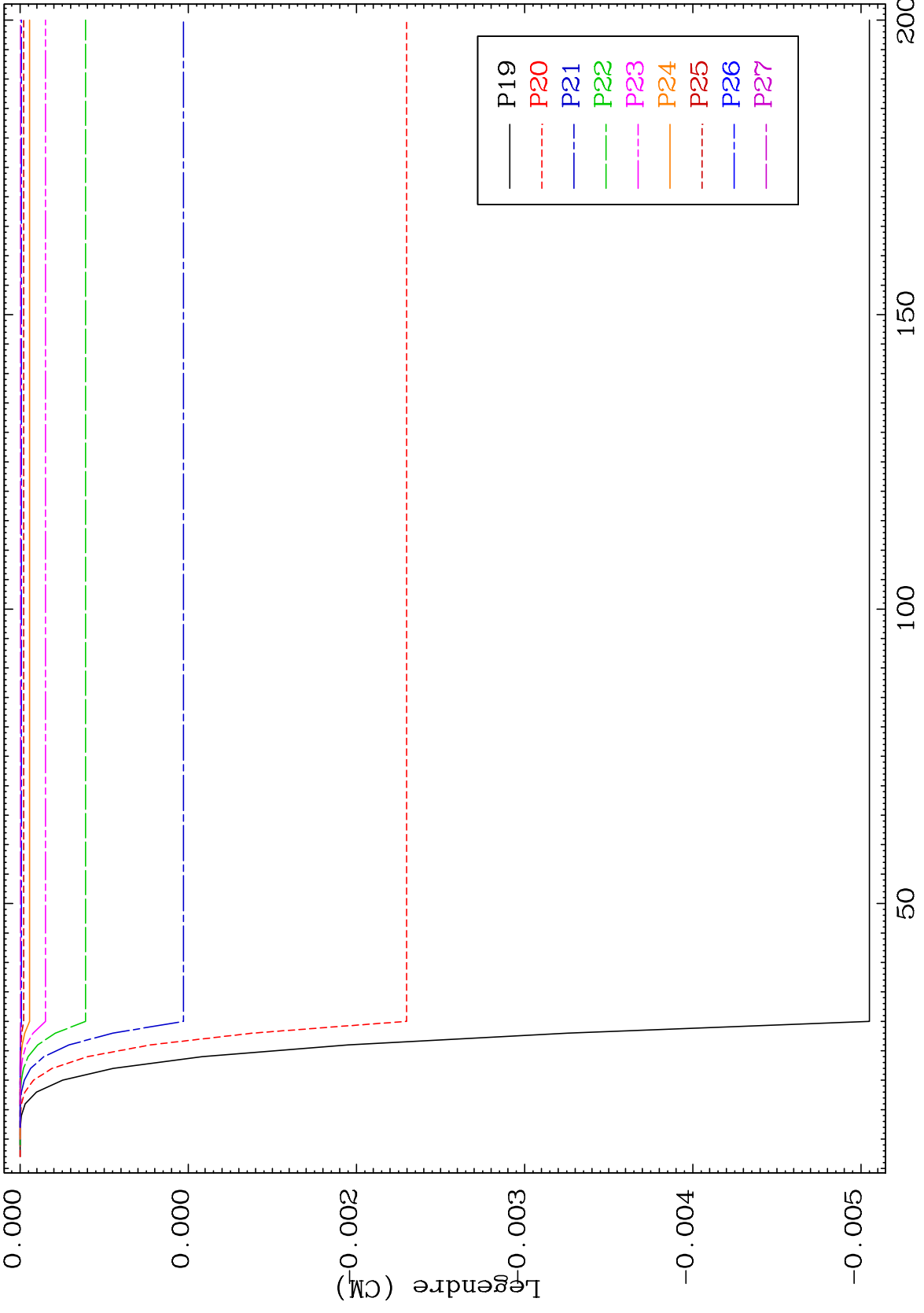


58

Incident Energy (MeV)

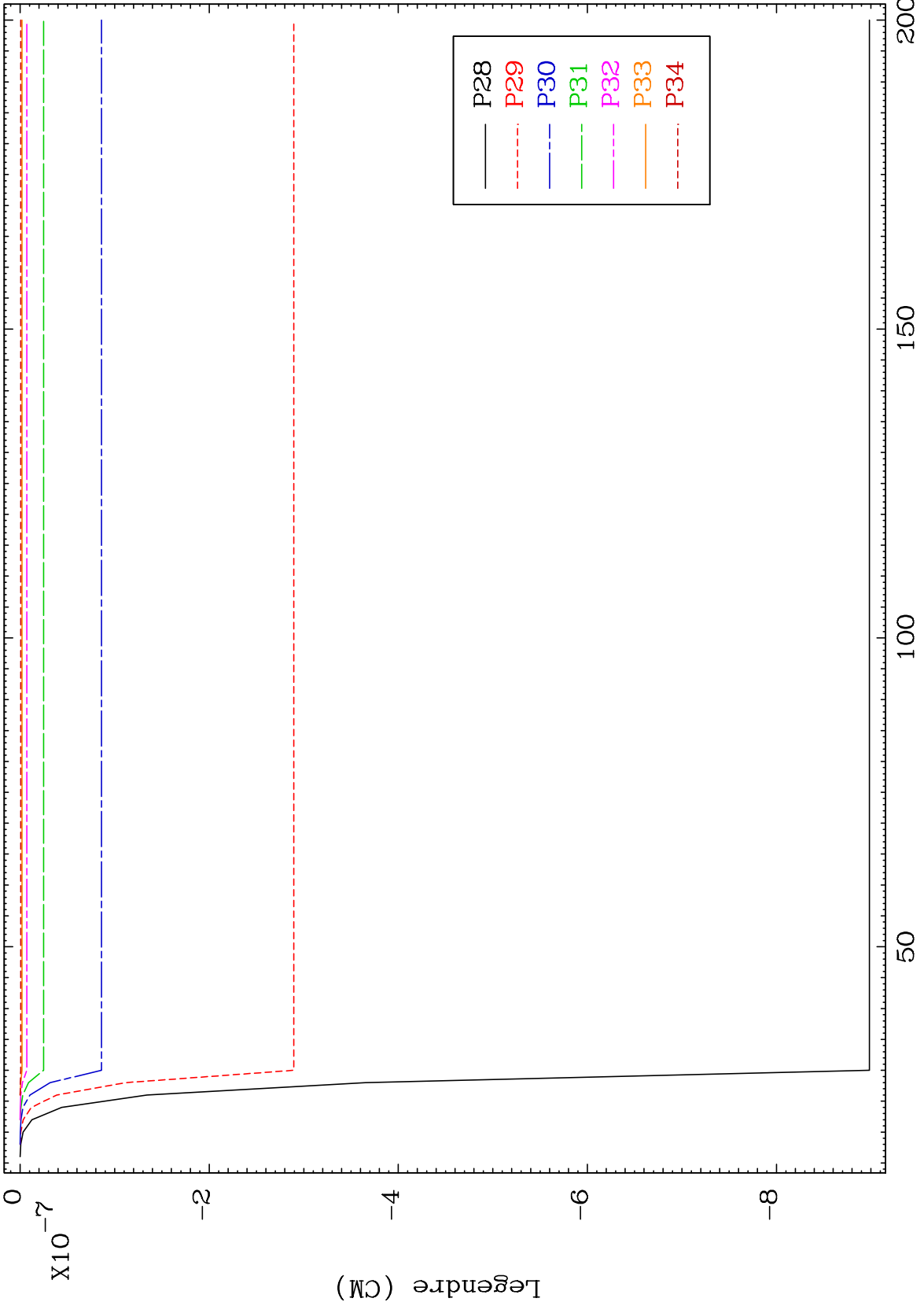
37-Rb-90

MAT 3740 MT= 62 (n,n') Level Legendre Coefficients 37-Rb-90



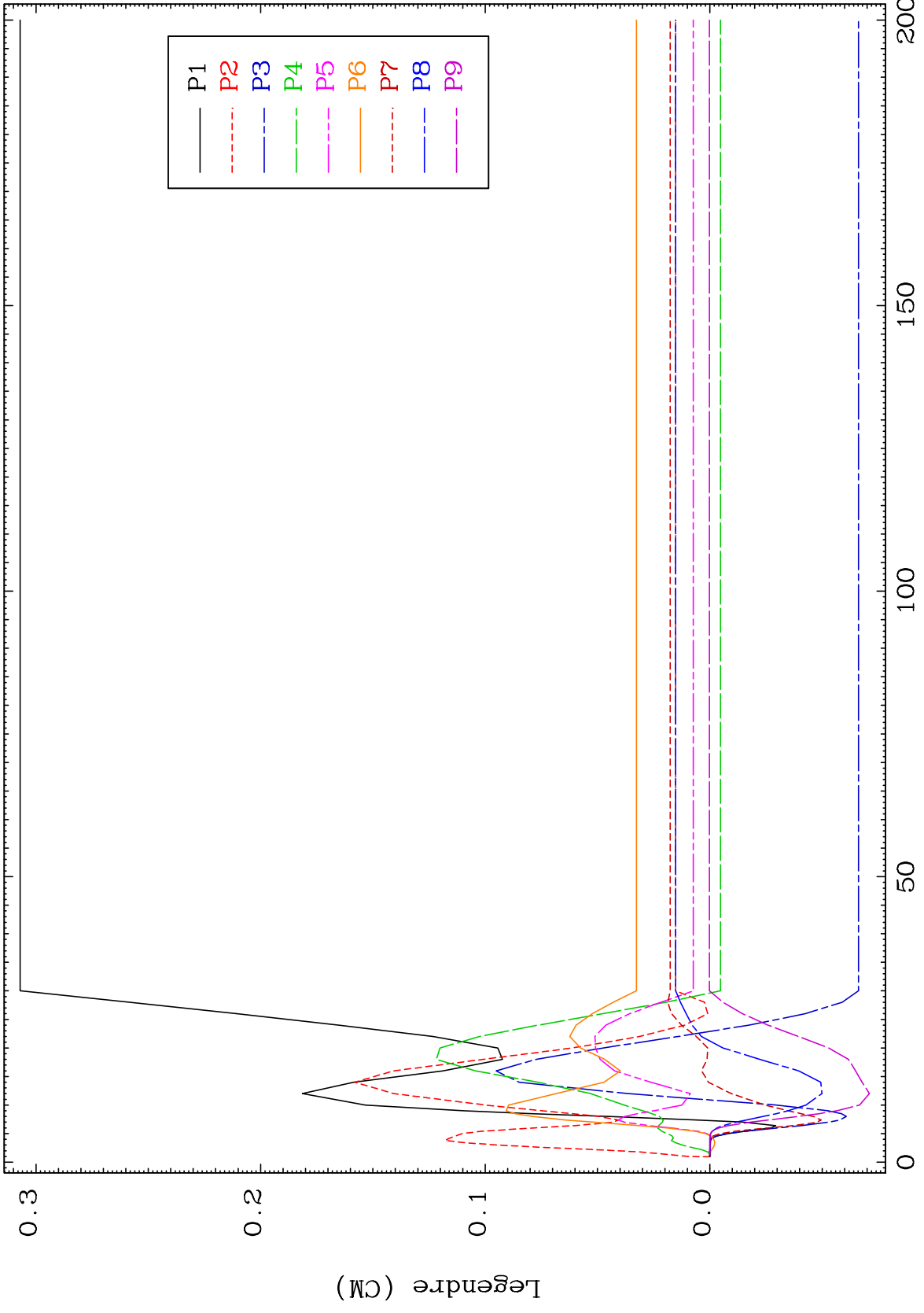
59 37-Rb-90

MAT 3740 MT= 62 (n,n') Level Legendre Coefficients 37-Rb-90



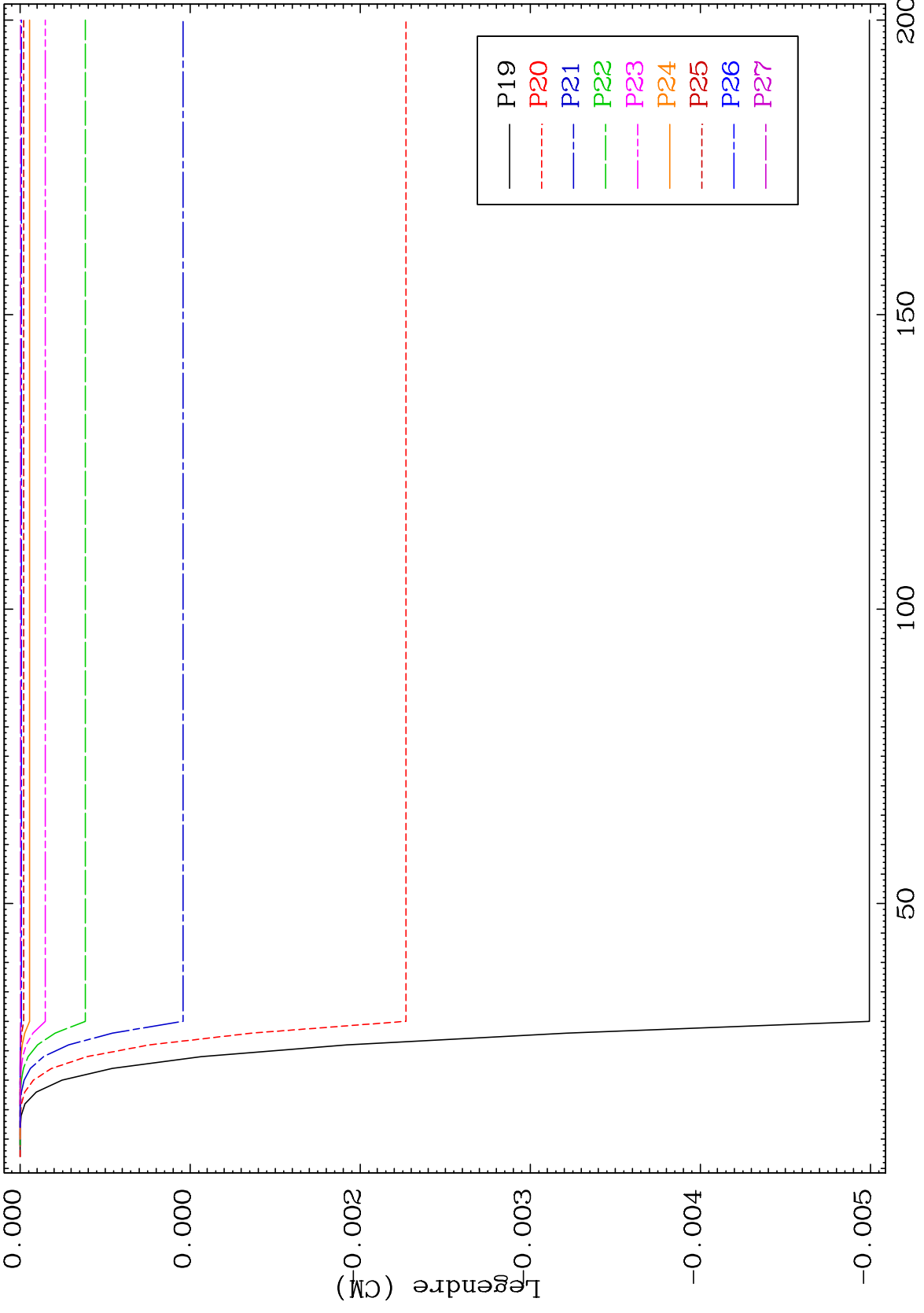
60 Incident Energy (MeV) 200 37-Rb-90

MAT 3740 MT= 63 (n,n') Level Legendre Coefficients 37-Rb-90



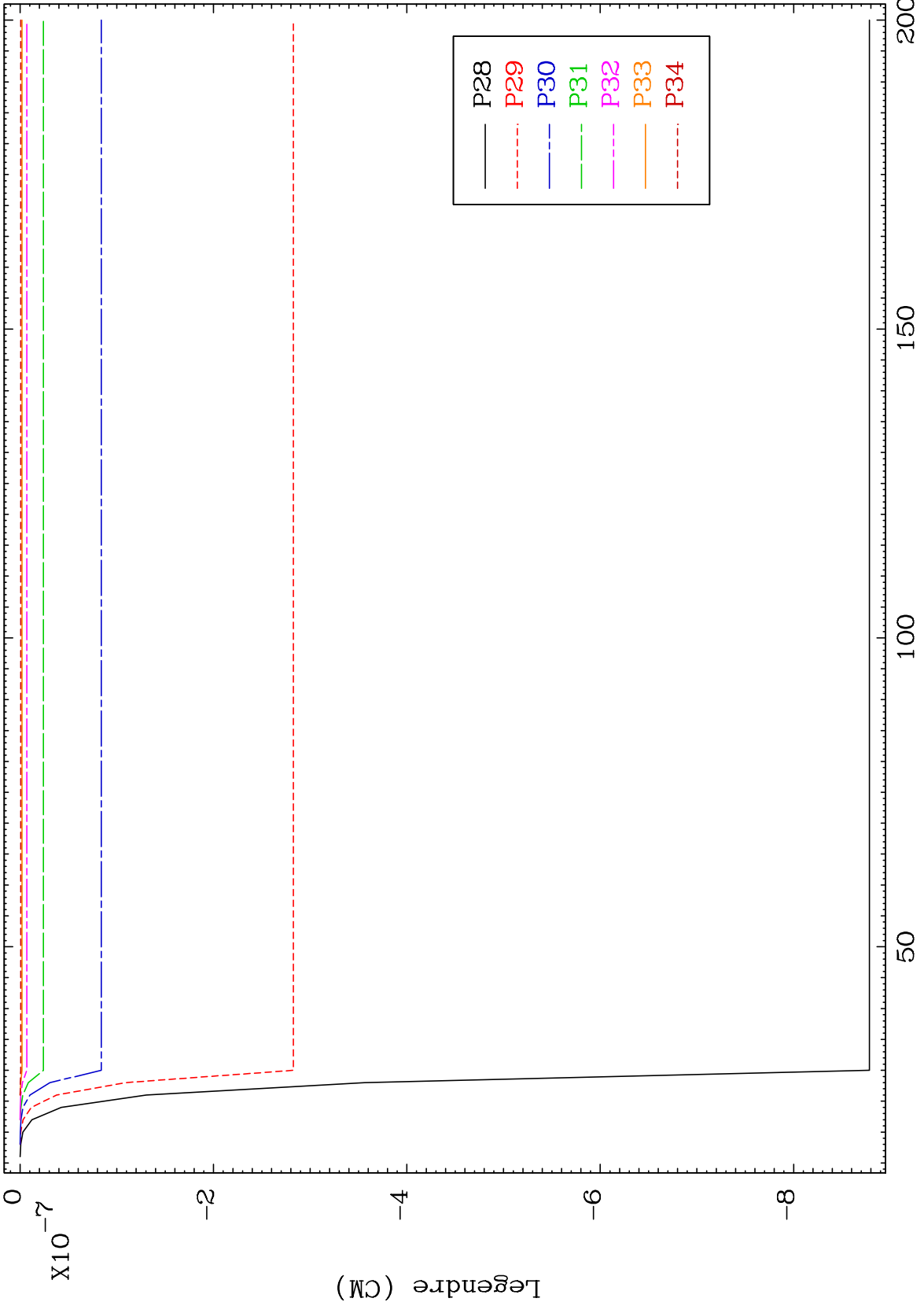
61 37-Rb-90

MAT 3740 MT= 63 (n,n') Level Legendre Coefficients 37-Rb-90



63 37-Rb-90

MAT 3740 MT= 63 (n,n') Level Legendre Coefficients 37-Rb-90

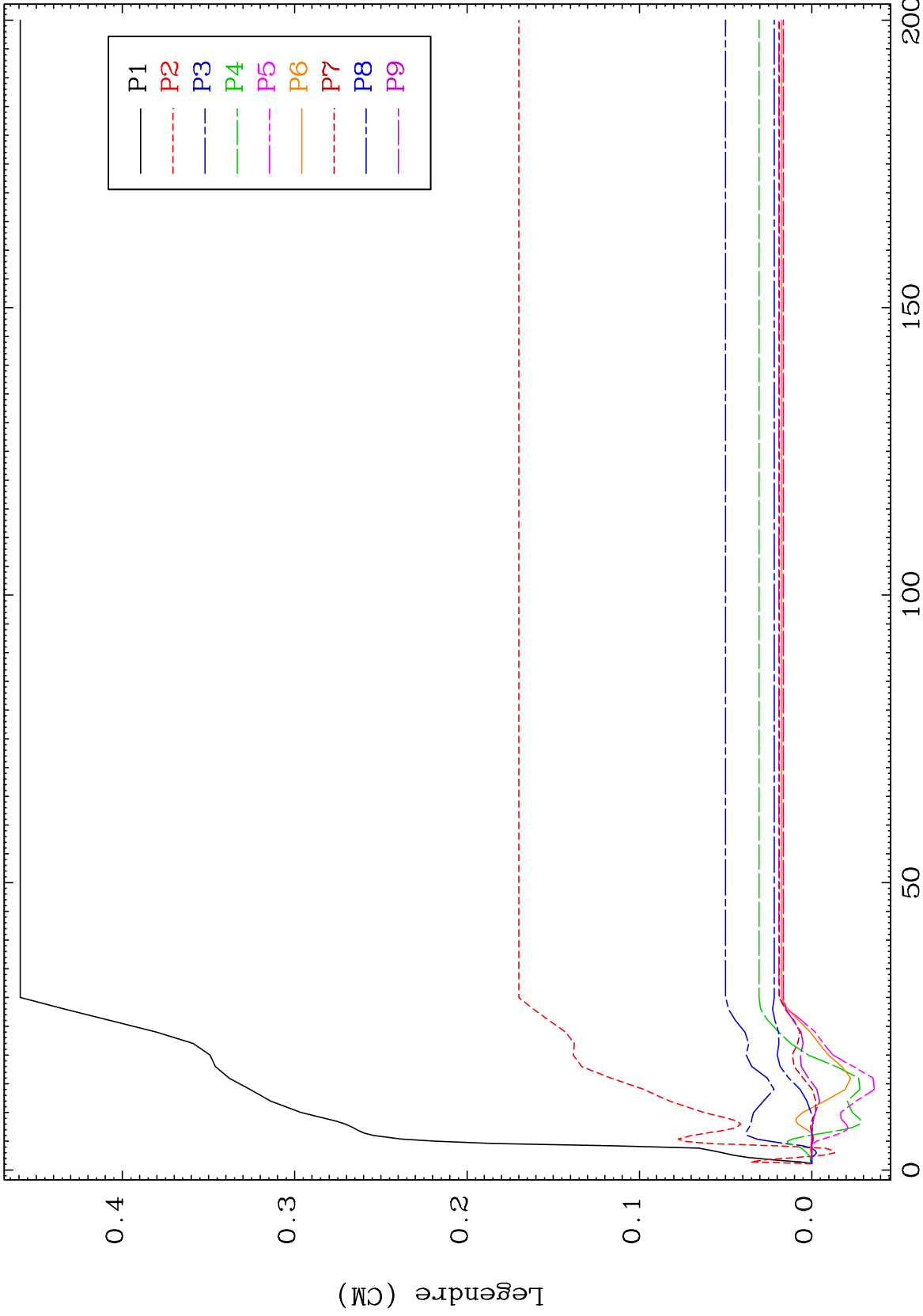


64 37-Rb-90

MAT 3740

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

37-Rb-90



65

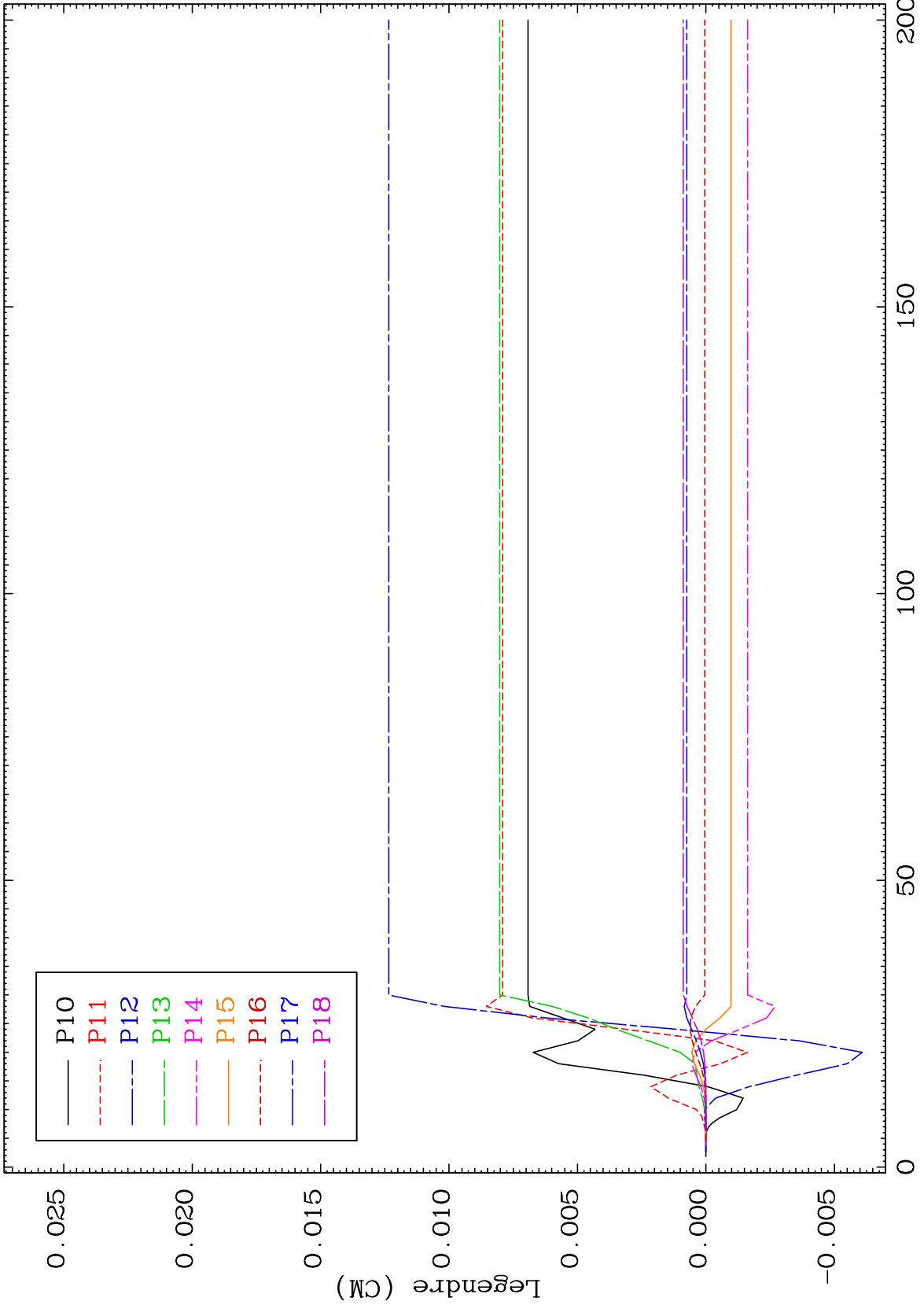
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90



66

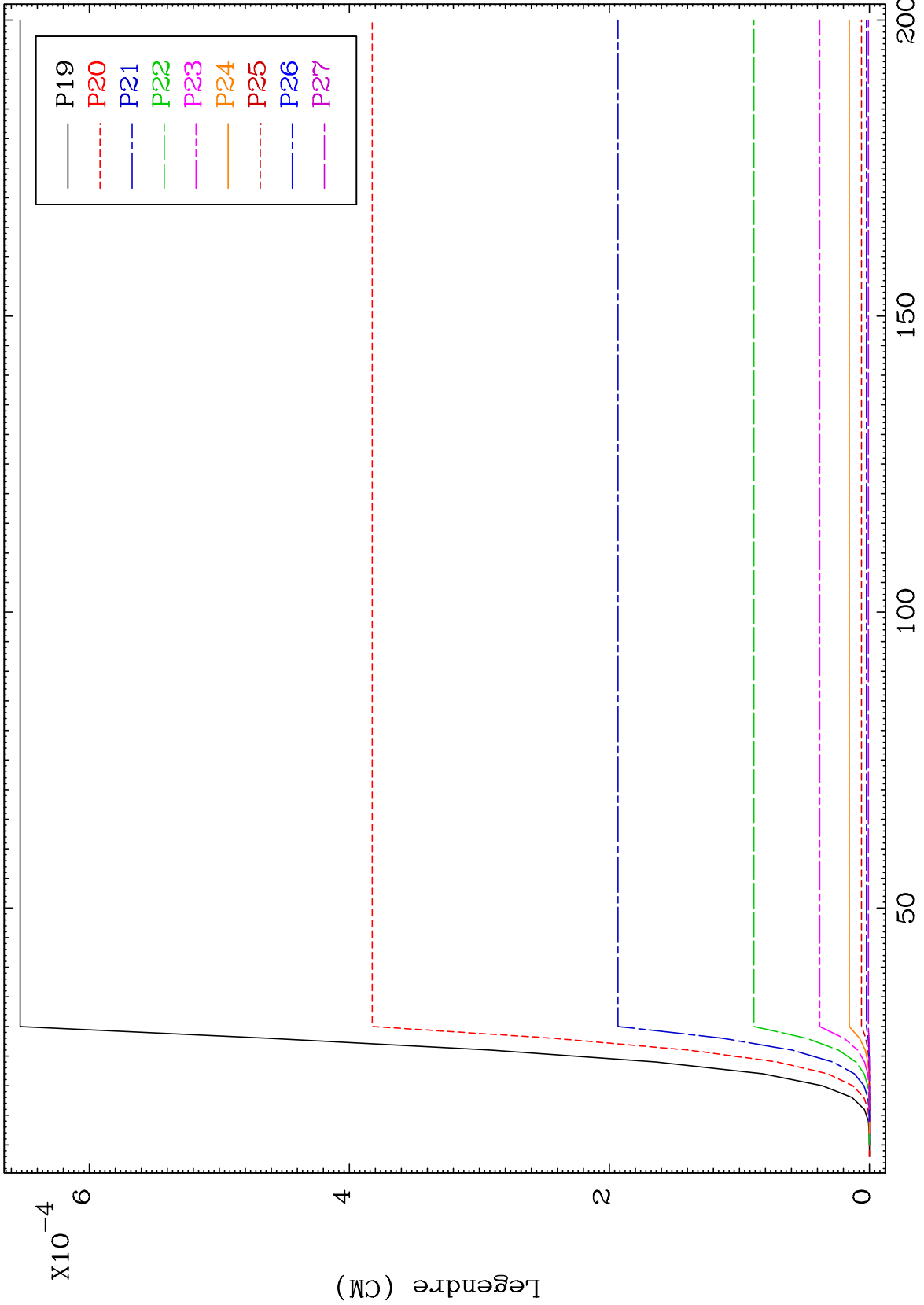
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90



67

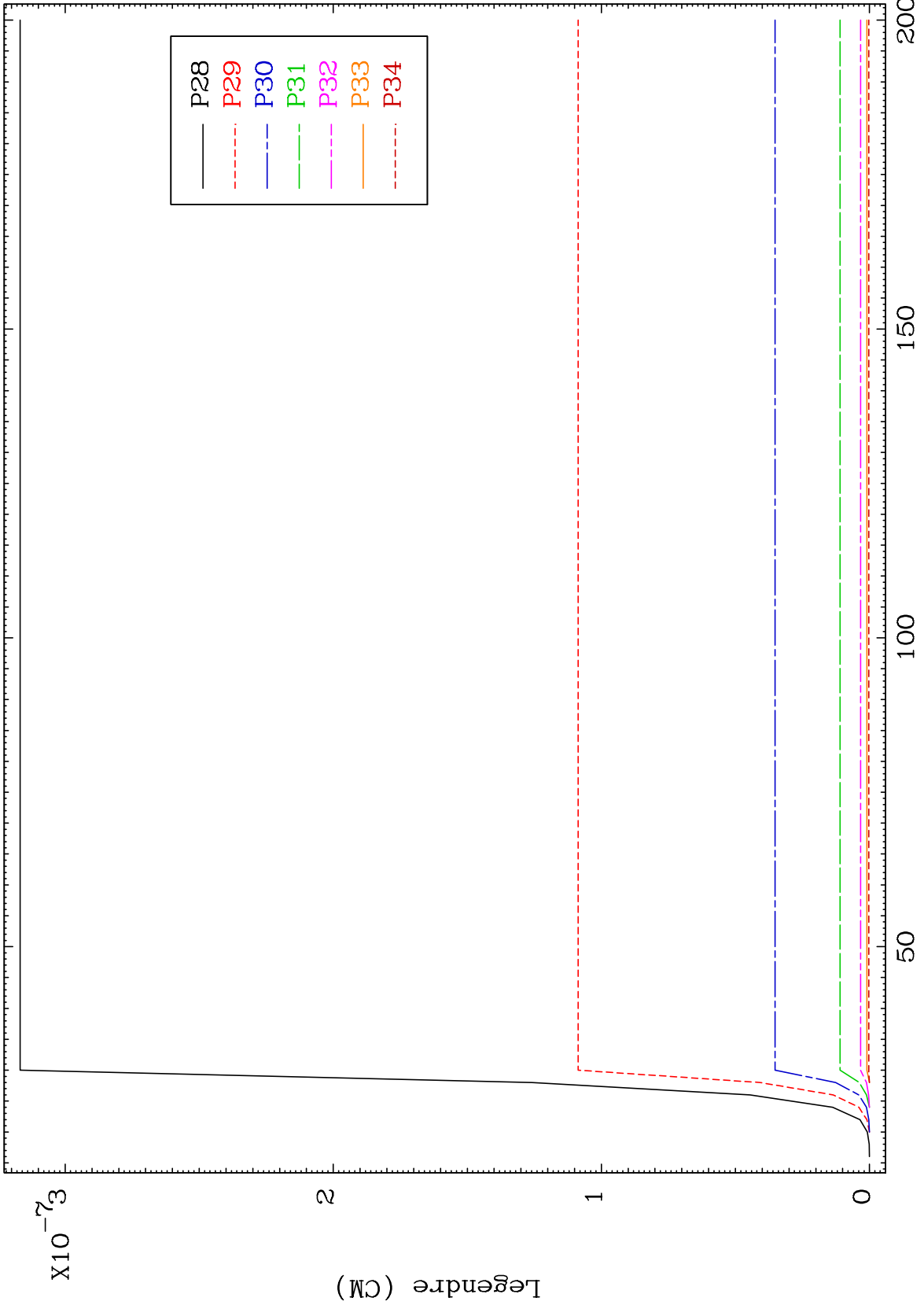
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

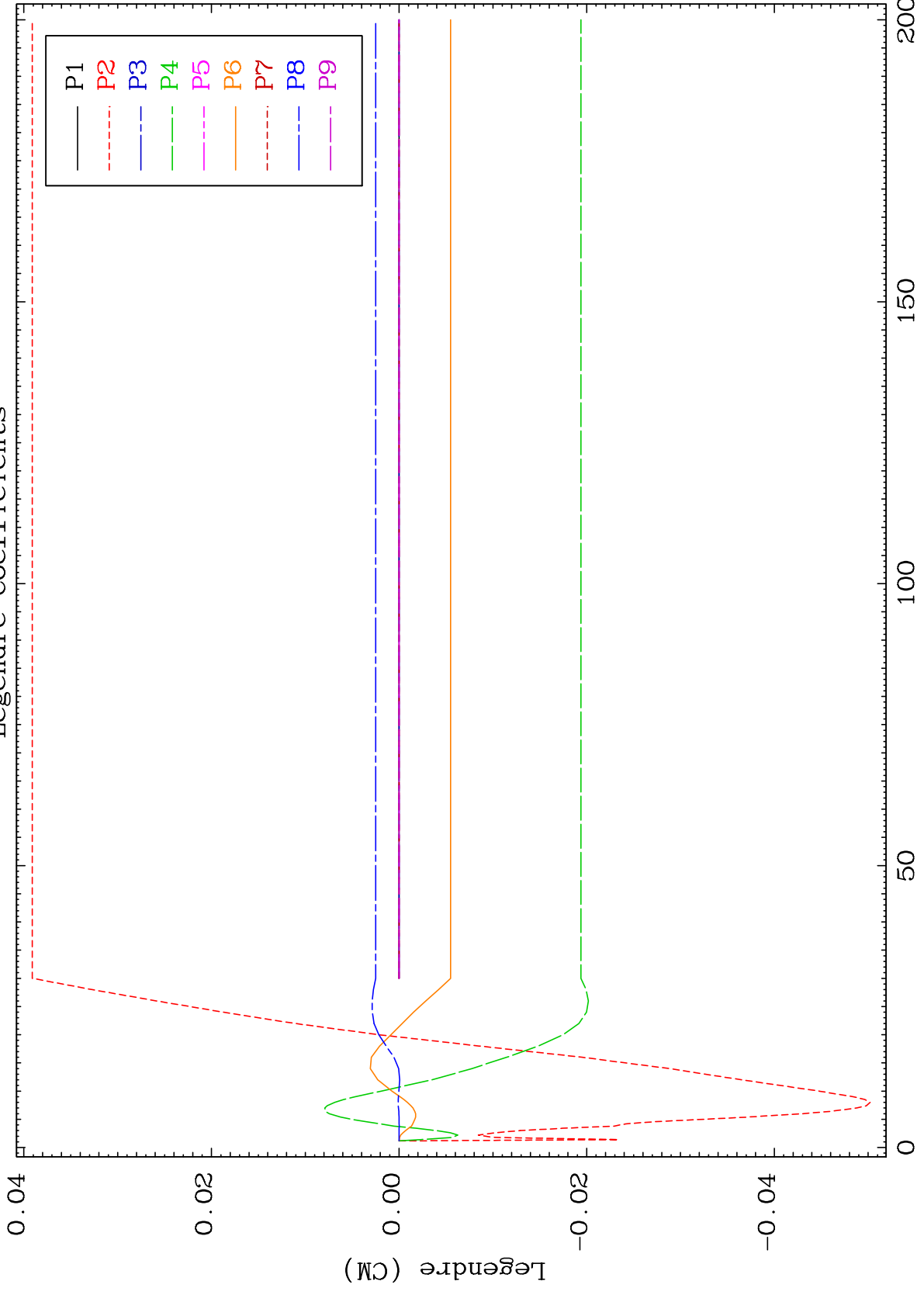
37-Rb-90



68

37-Rb-90

MAT 3740 MT= 65 (n,n') Level Legendre Coefficients 37-Rb-90

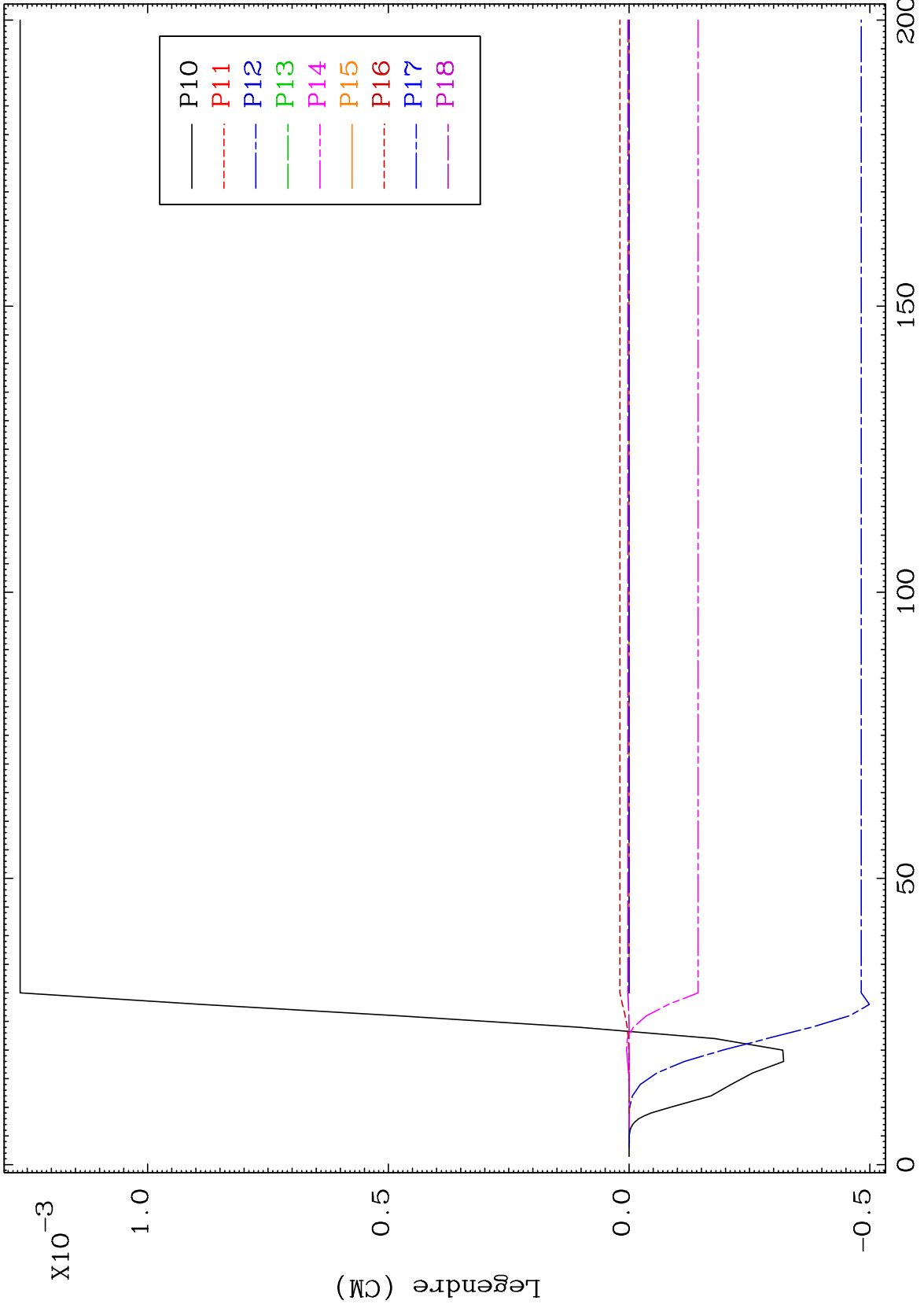


69 37-Rb-90

MAT 3740

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

37-Rb-90



70

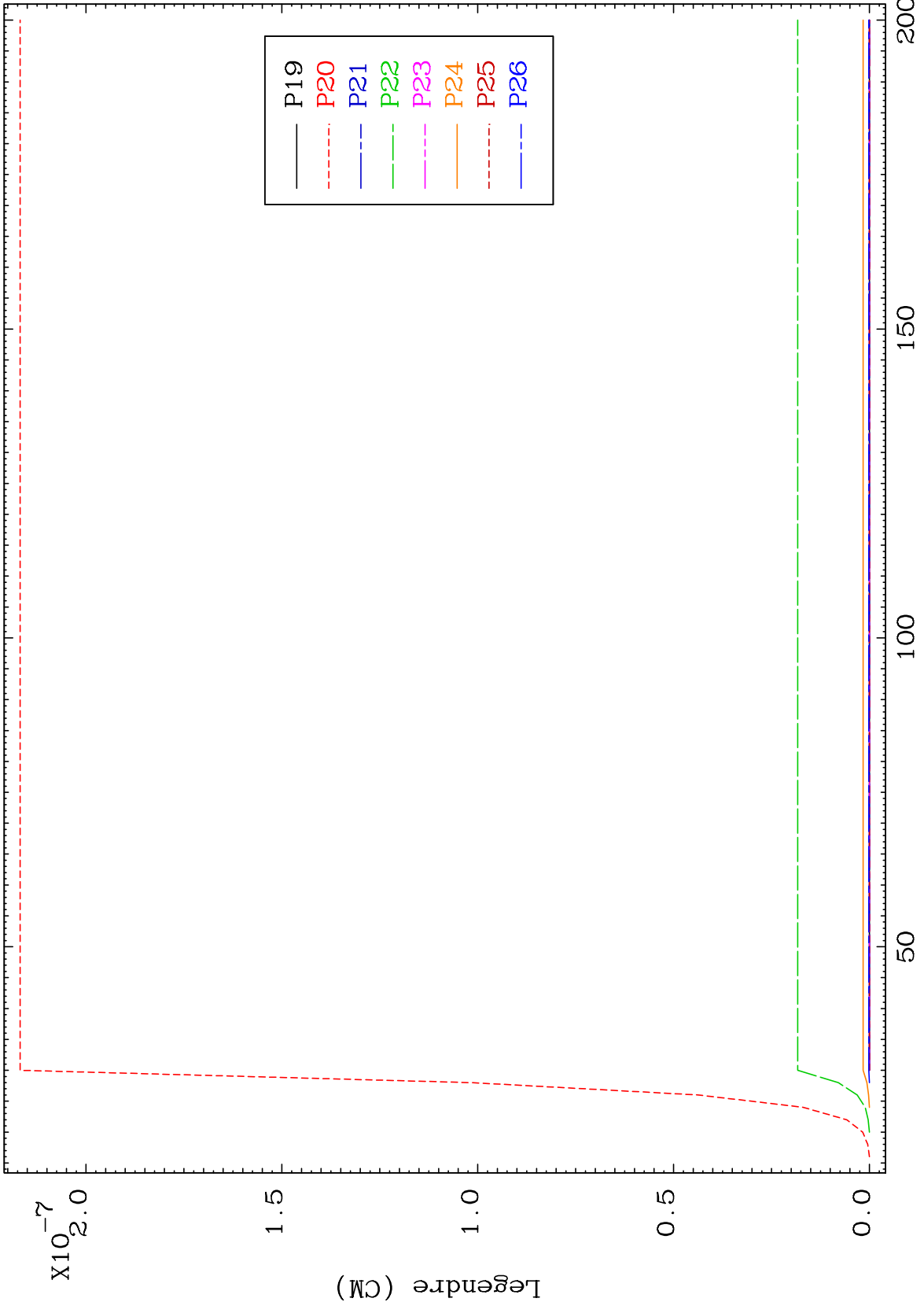
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90



71

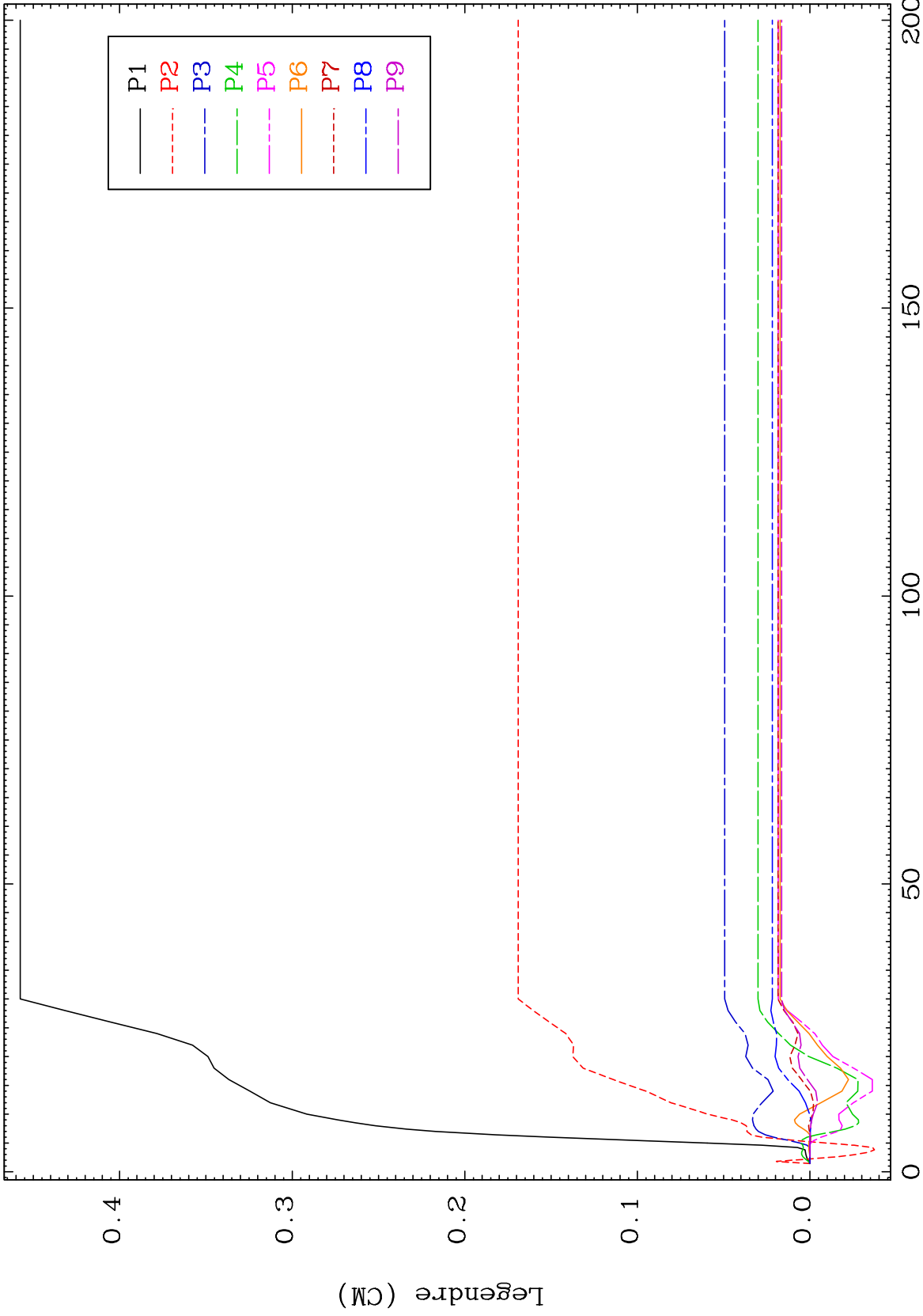
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90



72

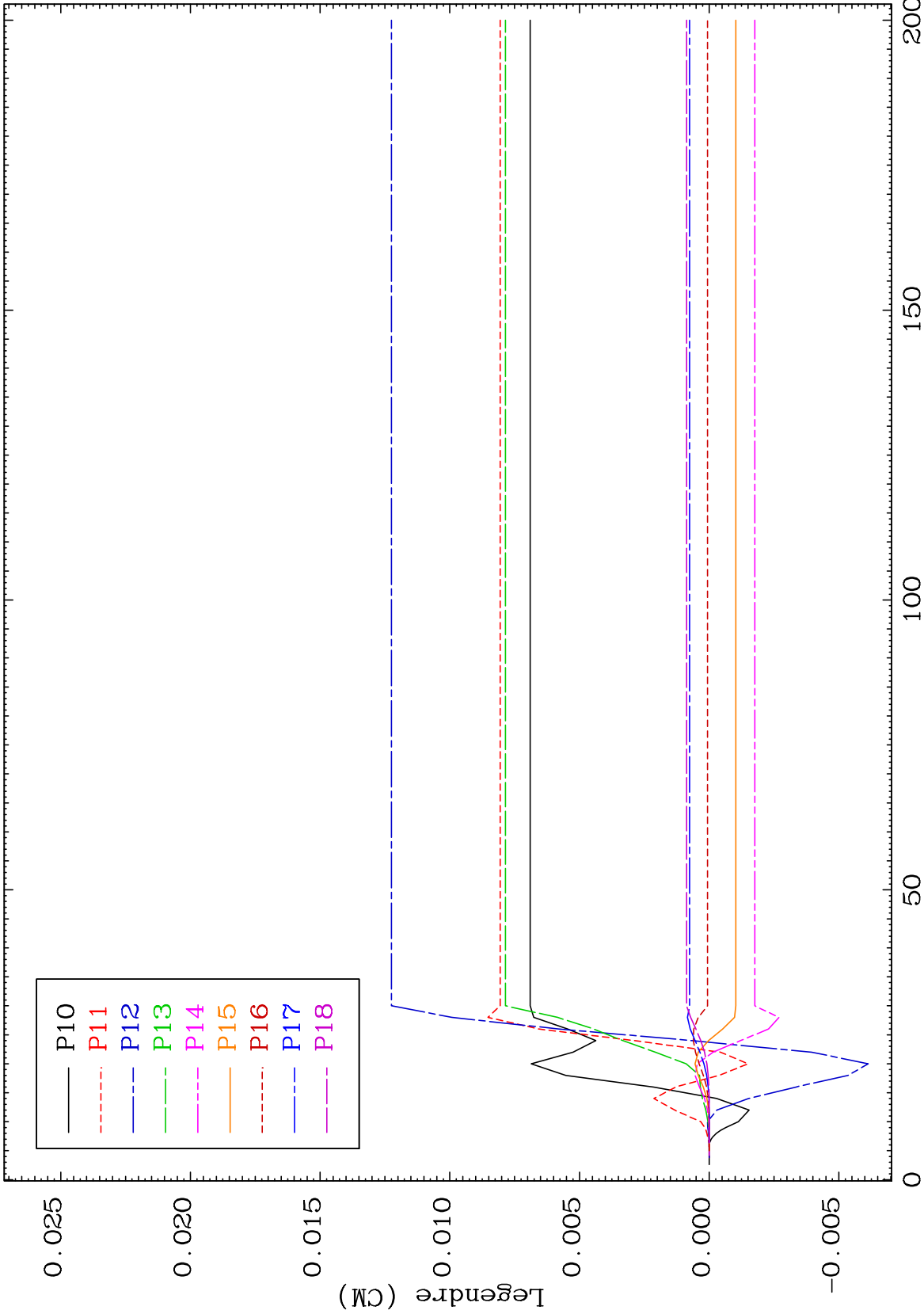
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90



73

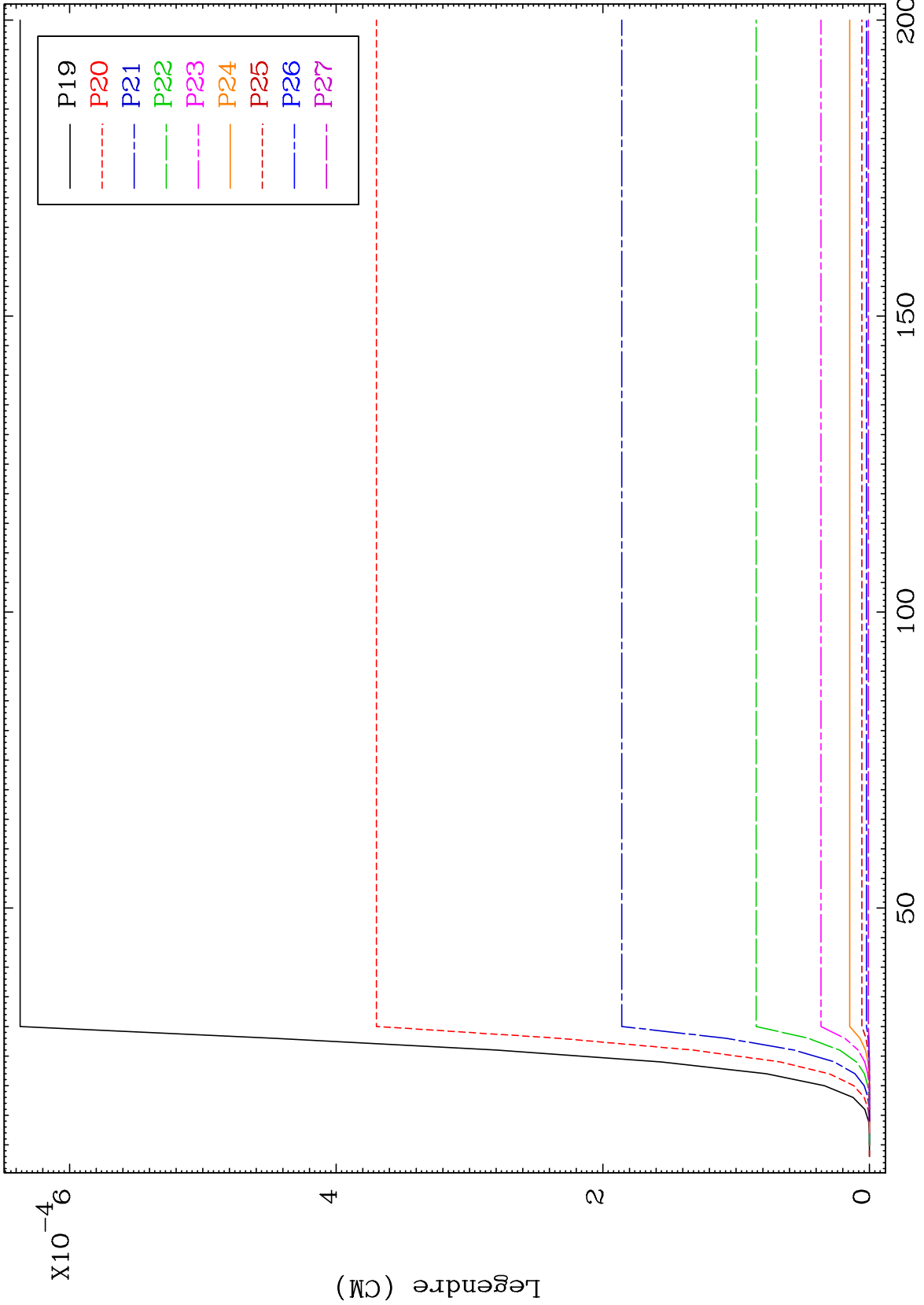
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90

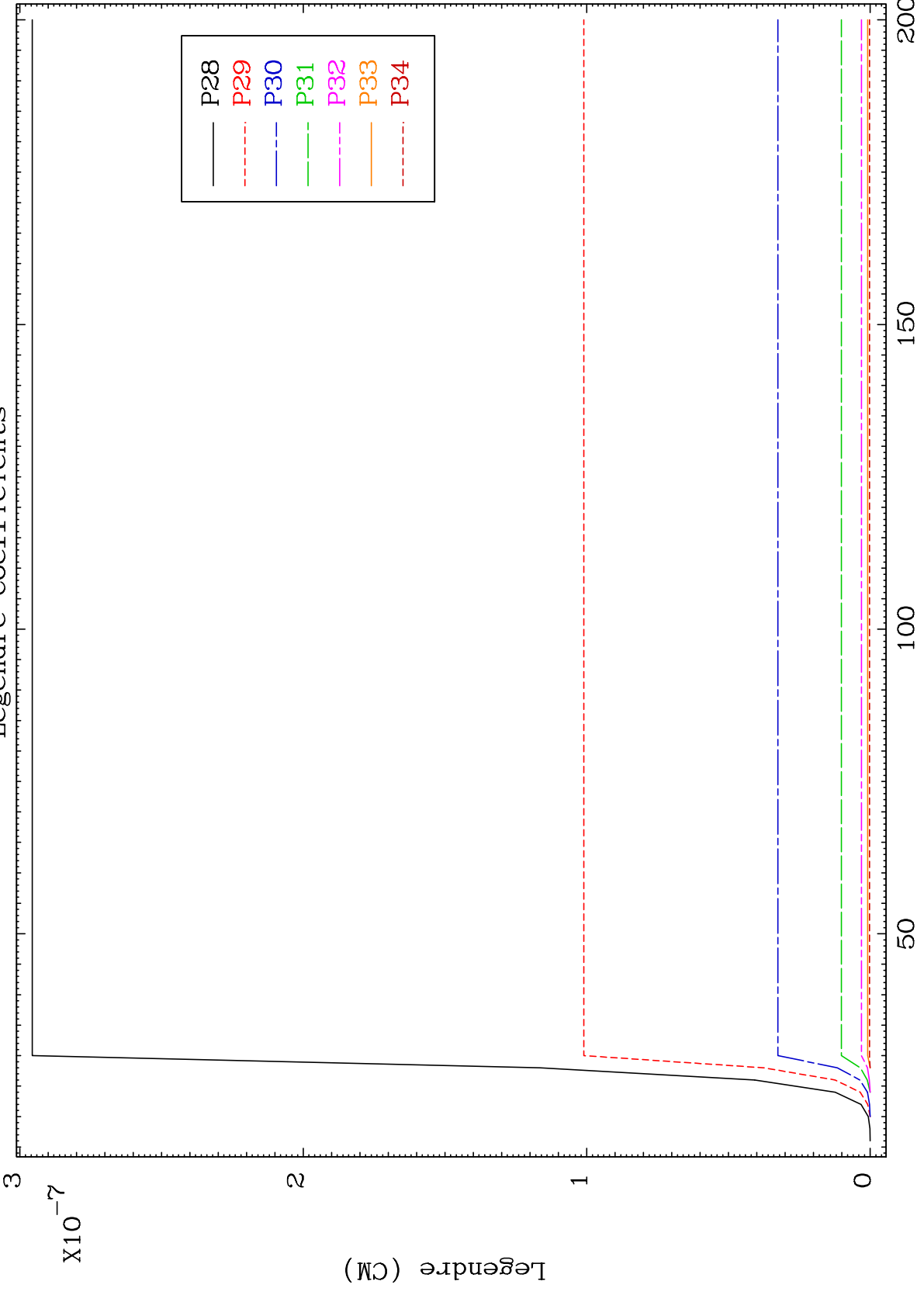


74

Incident Energy (MeV)

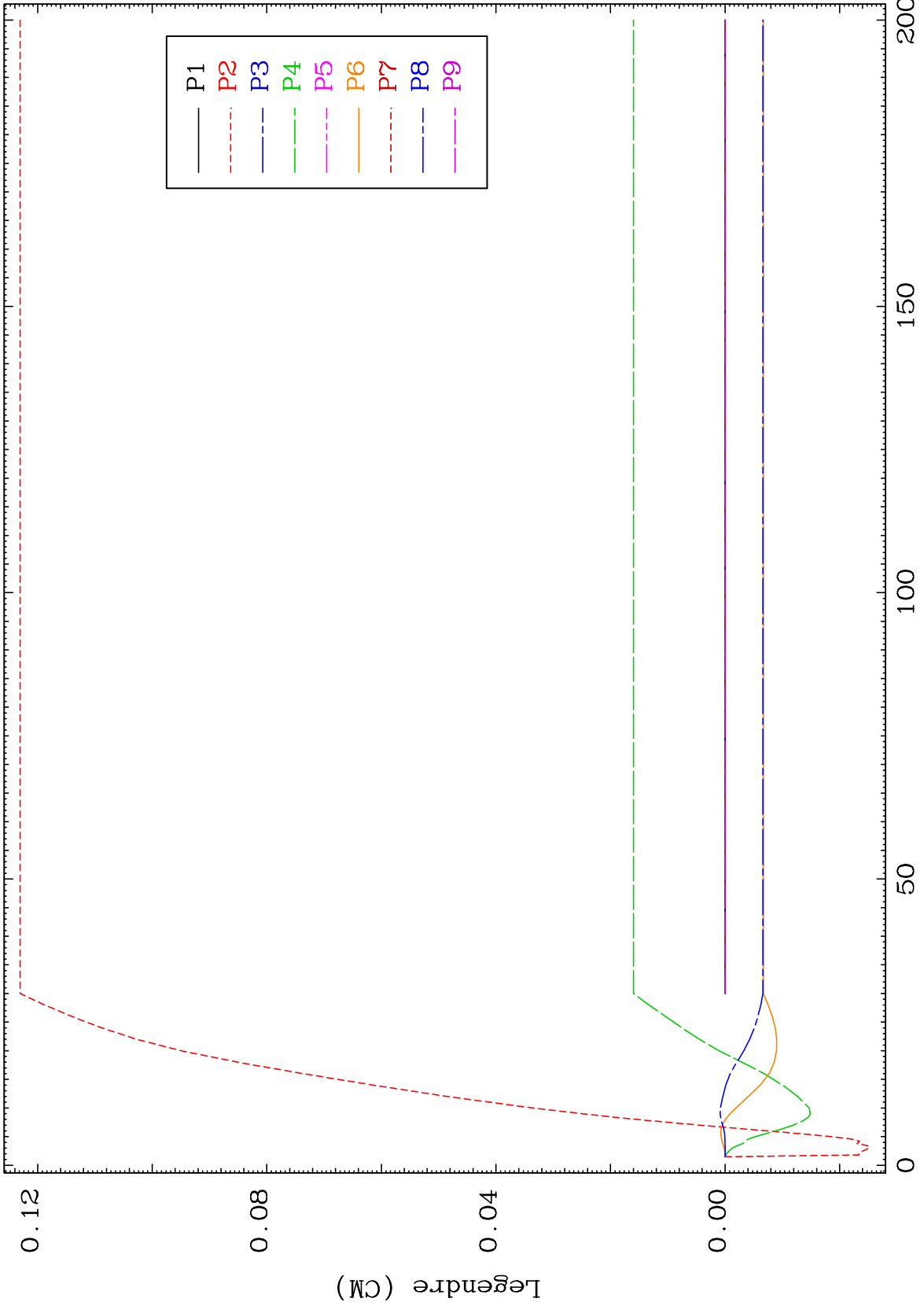
37-Rb-90

MAT 3740 MT= 66 (n,n') Level Legendre Coefficients 37-Rb-90



75 150 200 37-Rb-90

MAT 3740 MT= 67 (n,n') Level Legendre Coefficients 37-Rb-90

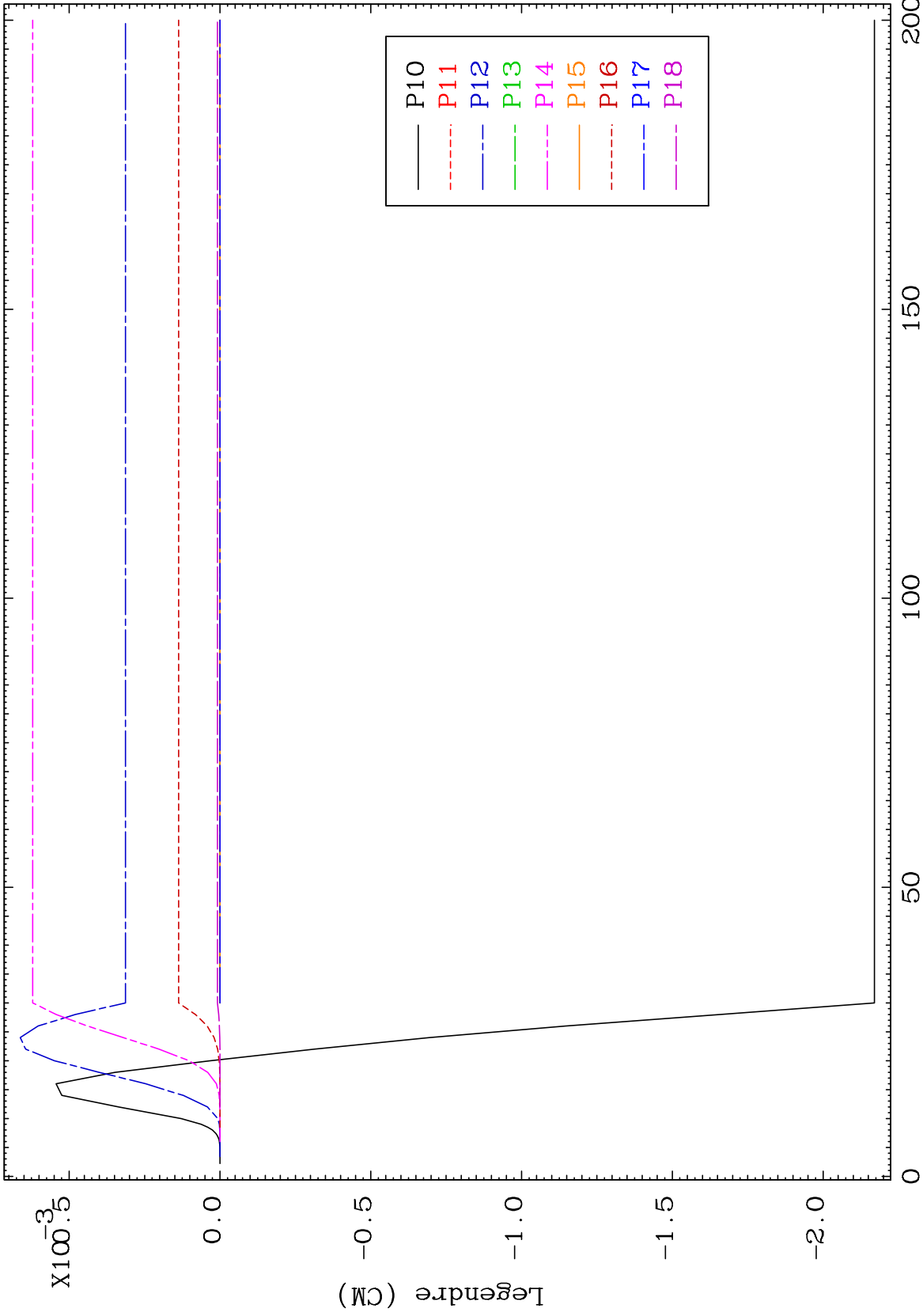


76 37-Rb-90

MAT 3740

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

37-Rb-90

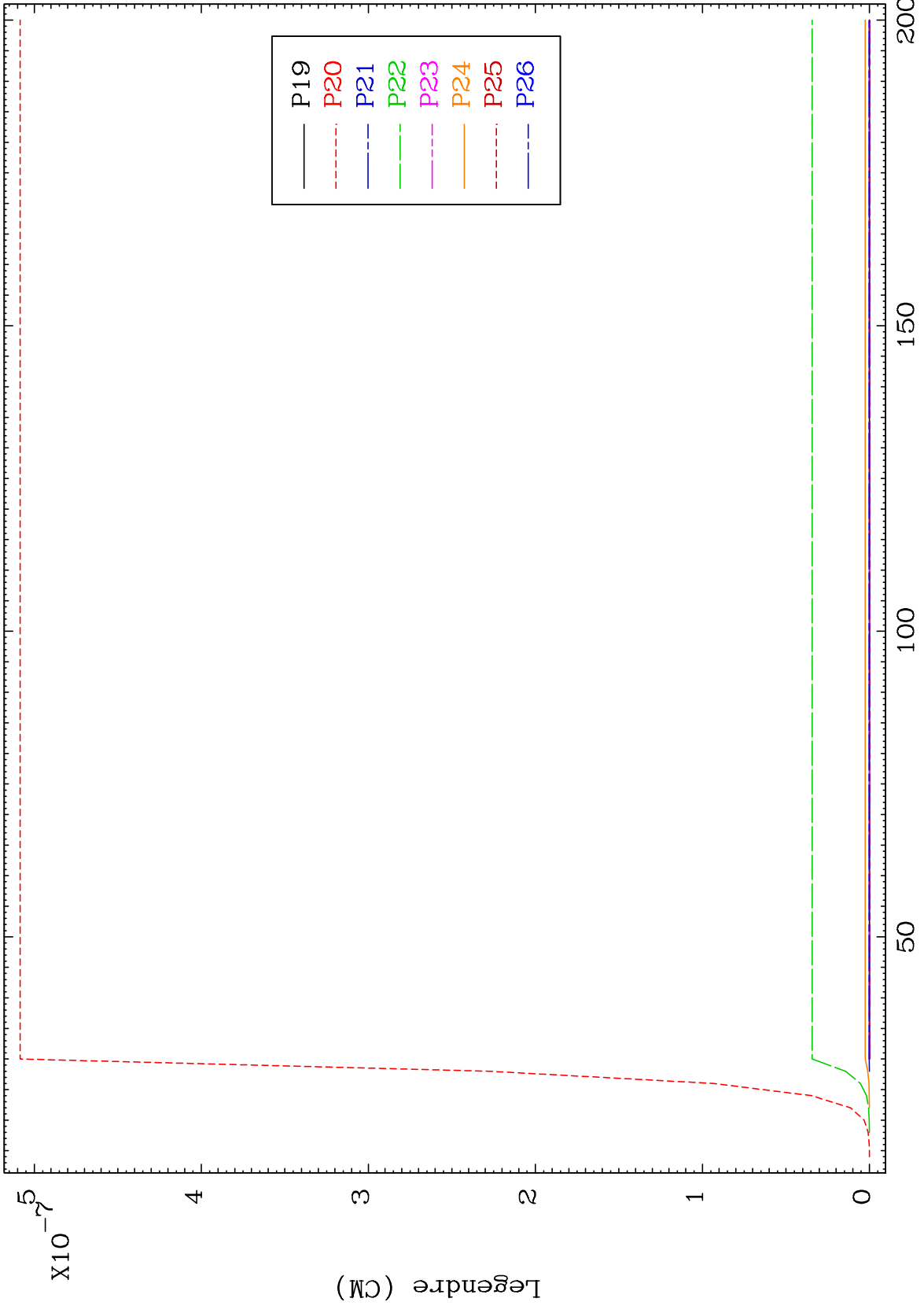


77

Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 67 (n,n') Level Legendre Coefficients 37-Rb-90

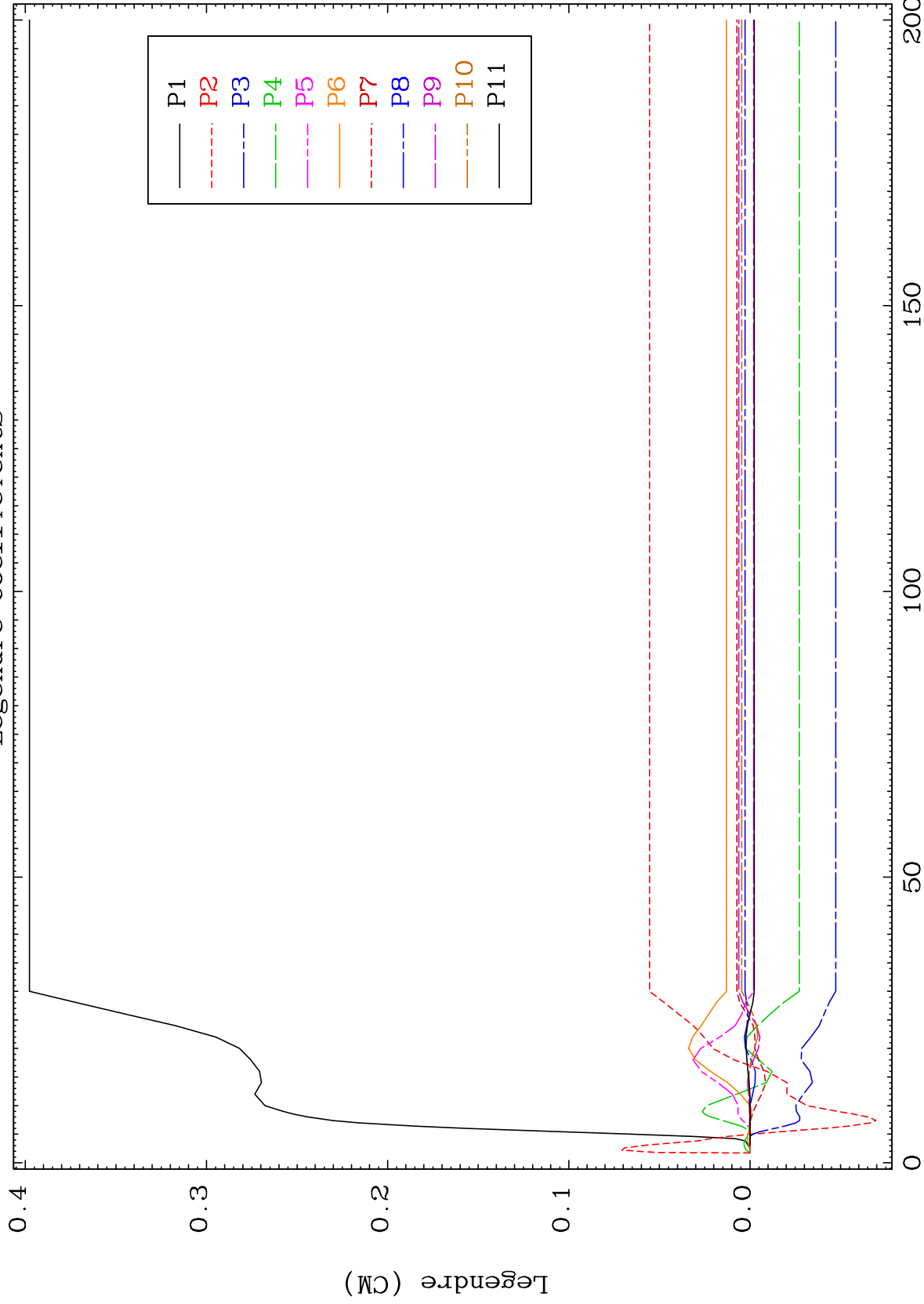


78 37-Rb-90

MAT 3740

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

37-Rb-90



79

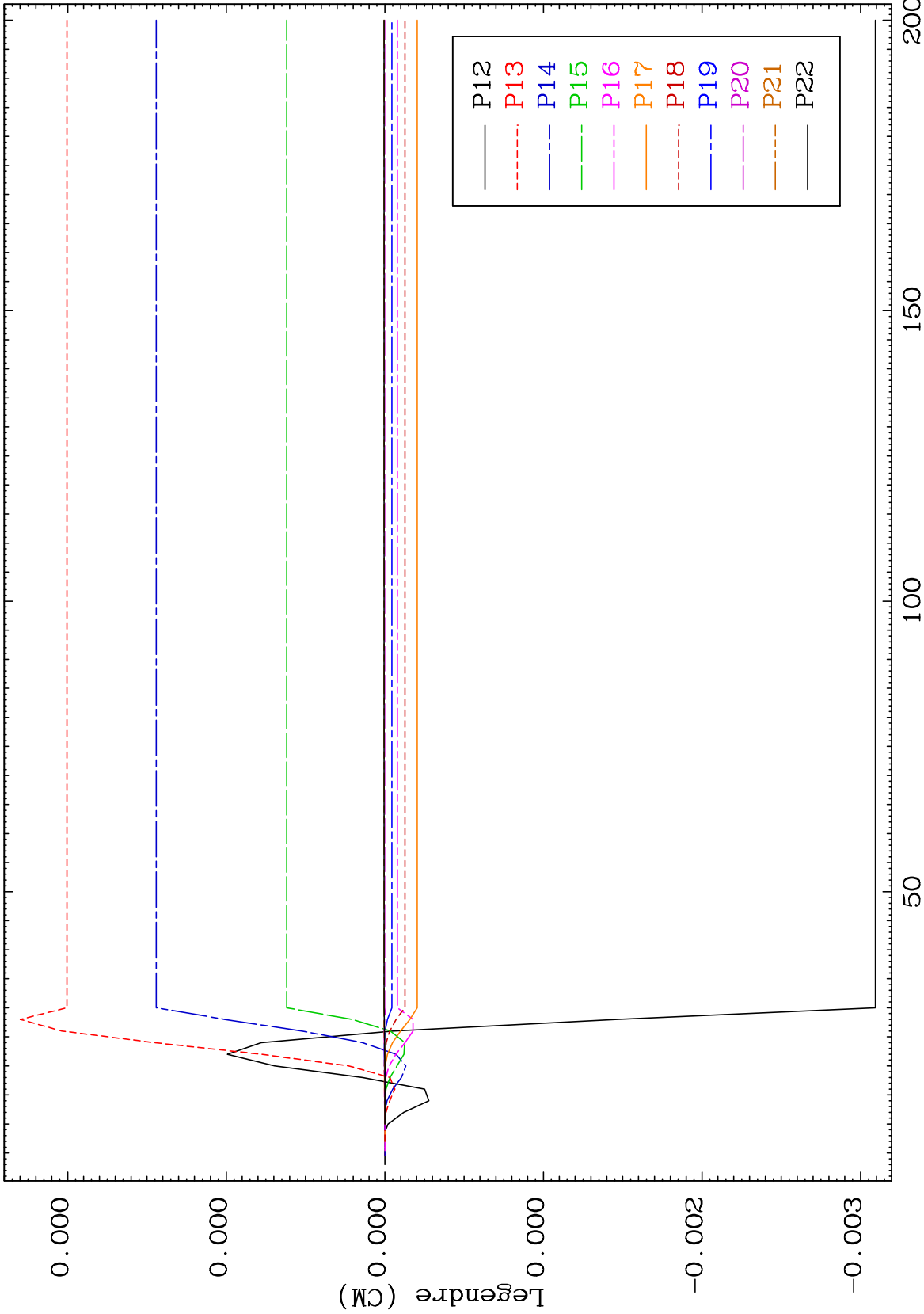
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90



80

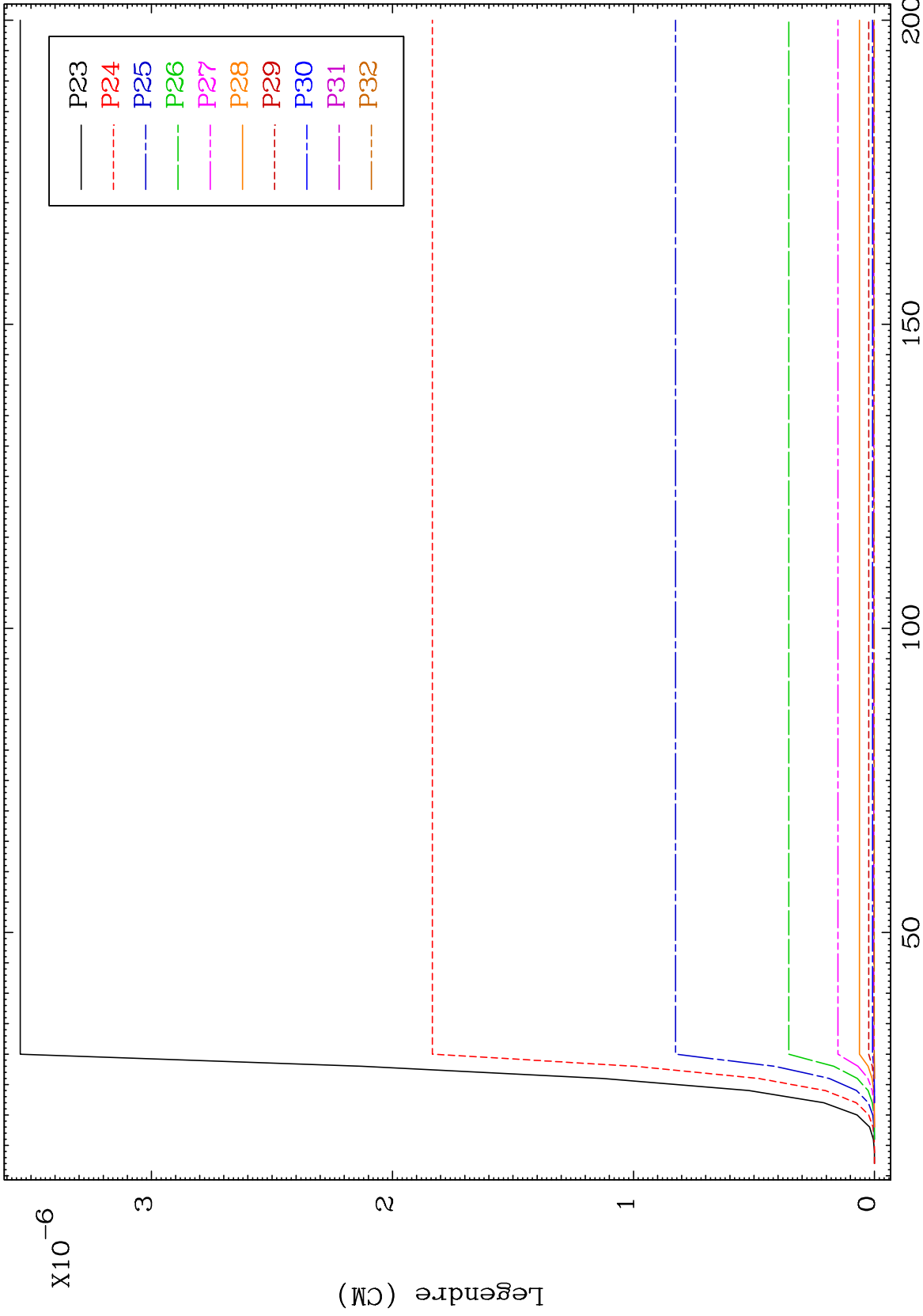
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90

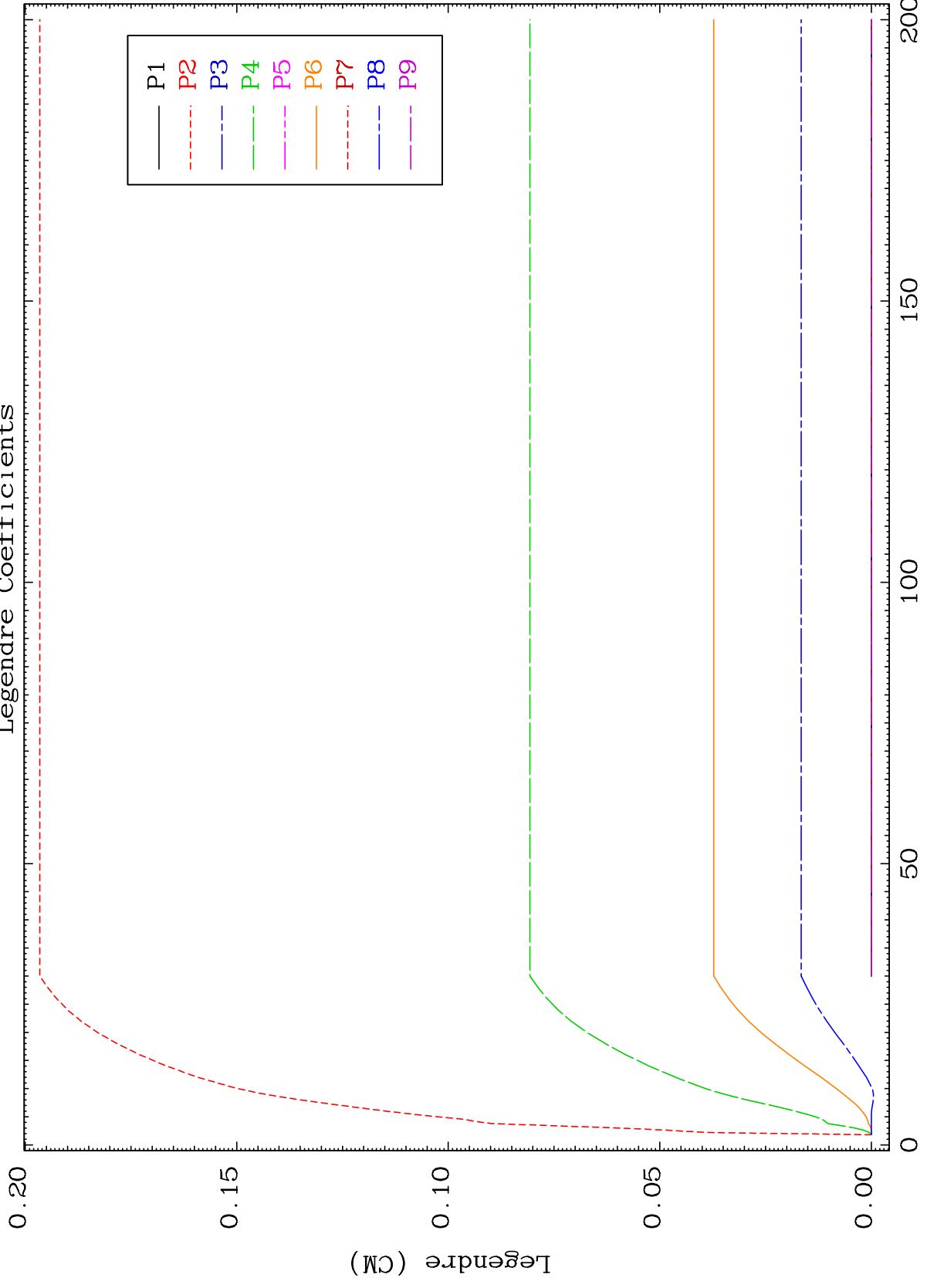


81

Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 69 (n,n') Level Legendre Coefficients 37-Rb-90



82 37-Rb-90

MAT 3740

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

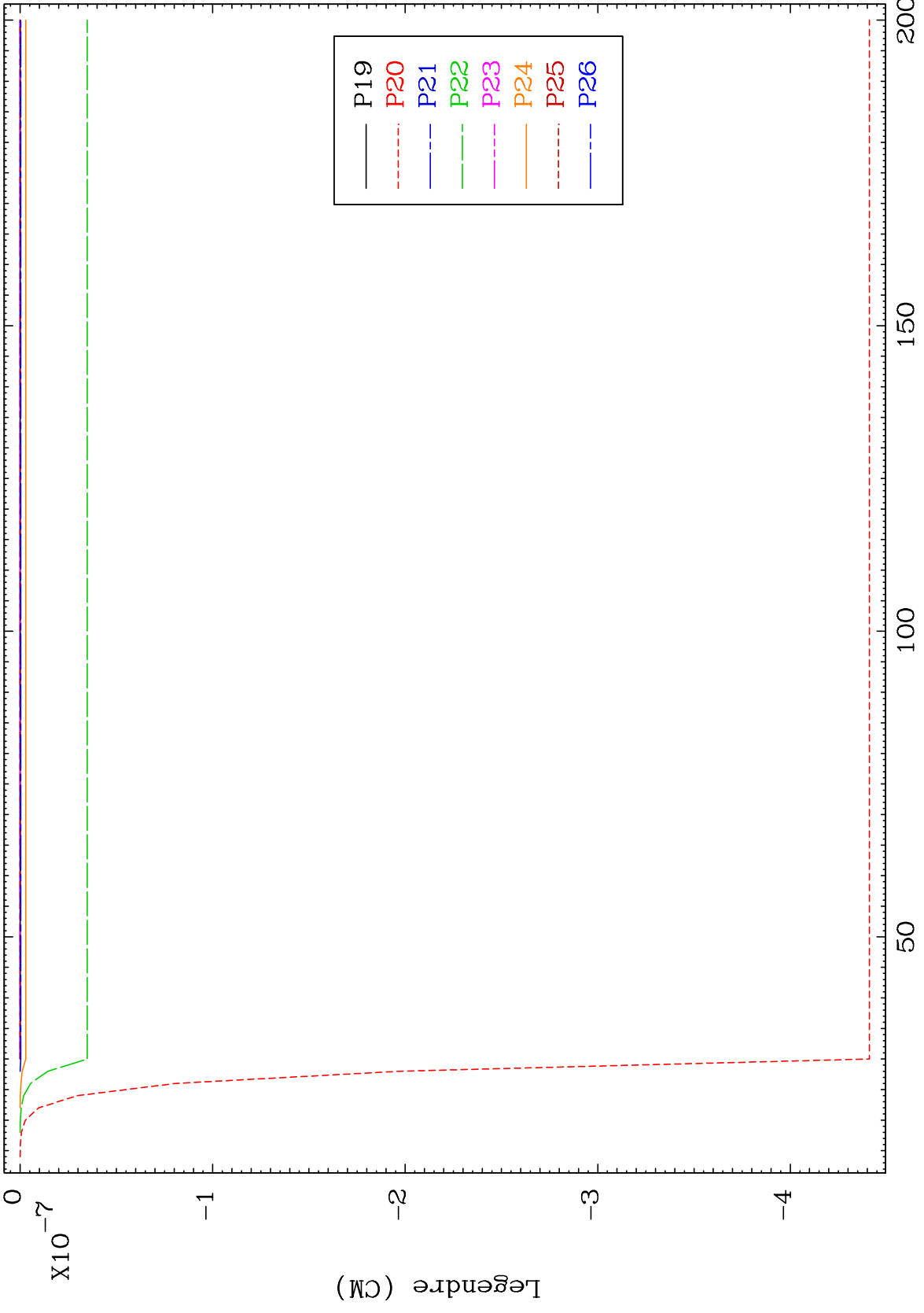
37-Rb-90



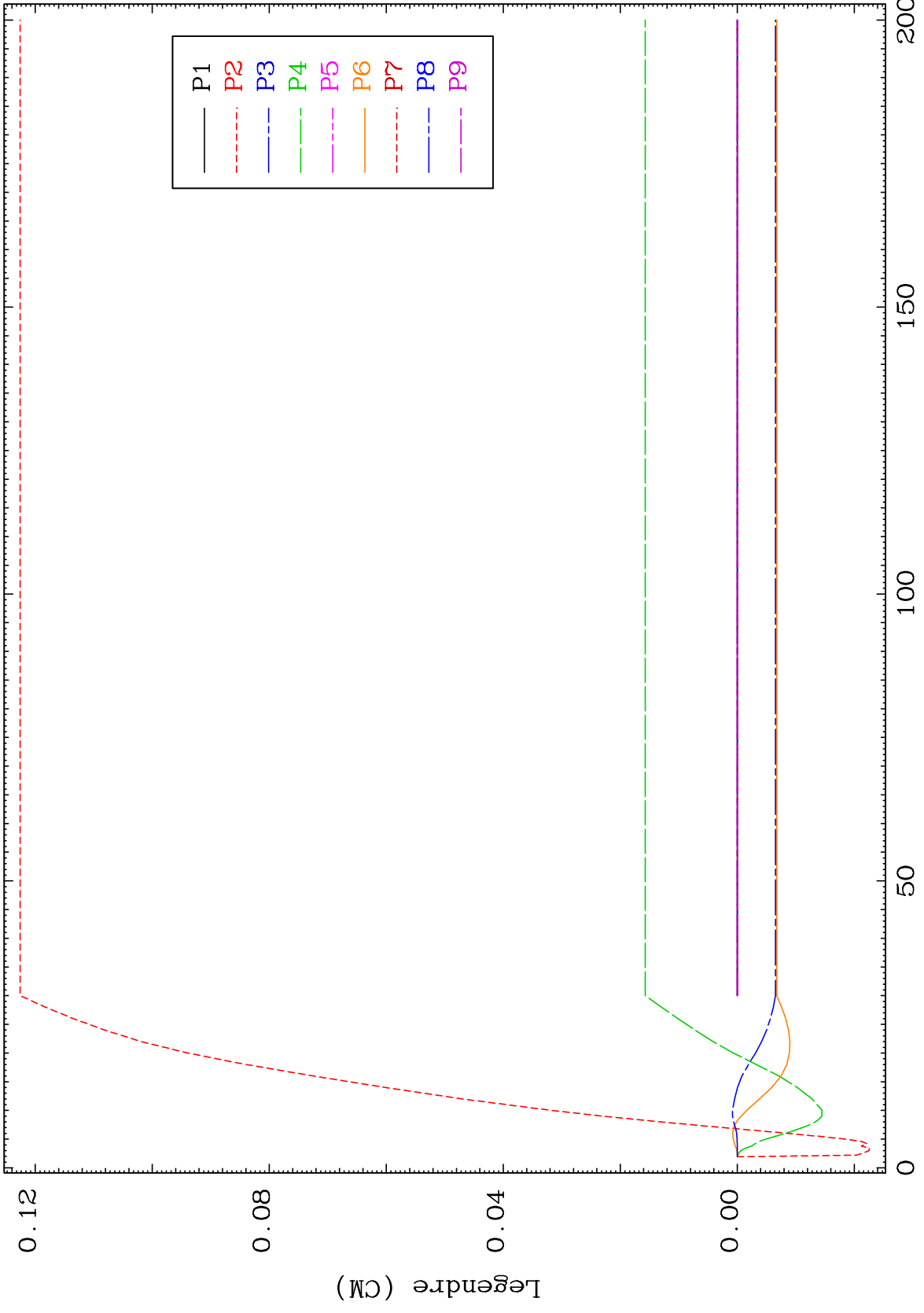
83

Incident Energy (MeV)

37-Rb-90



MAT 3740 MT= 70 (n,n') Level Legendre Coefficients 37-Rb-90

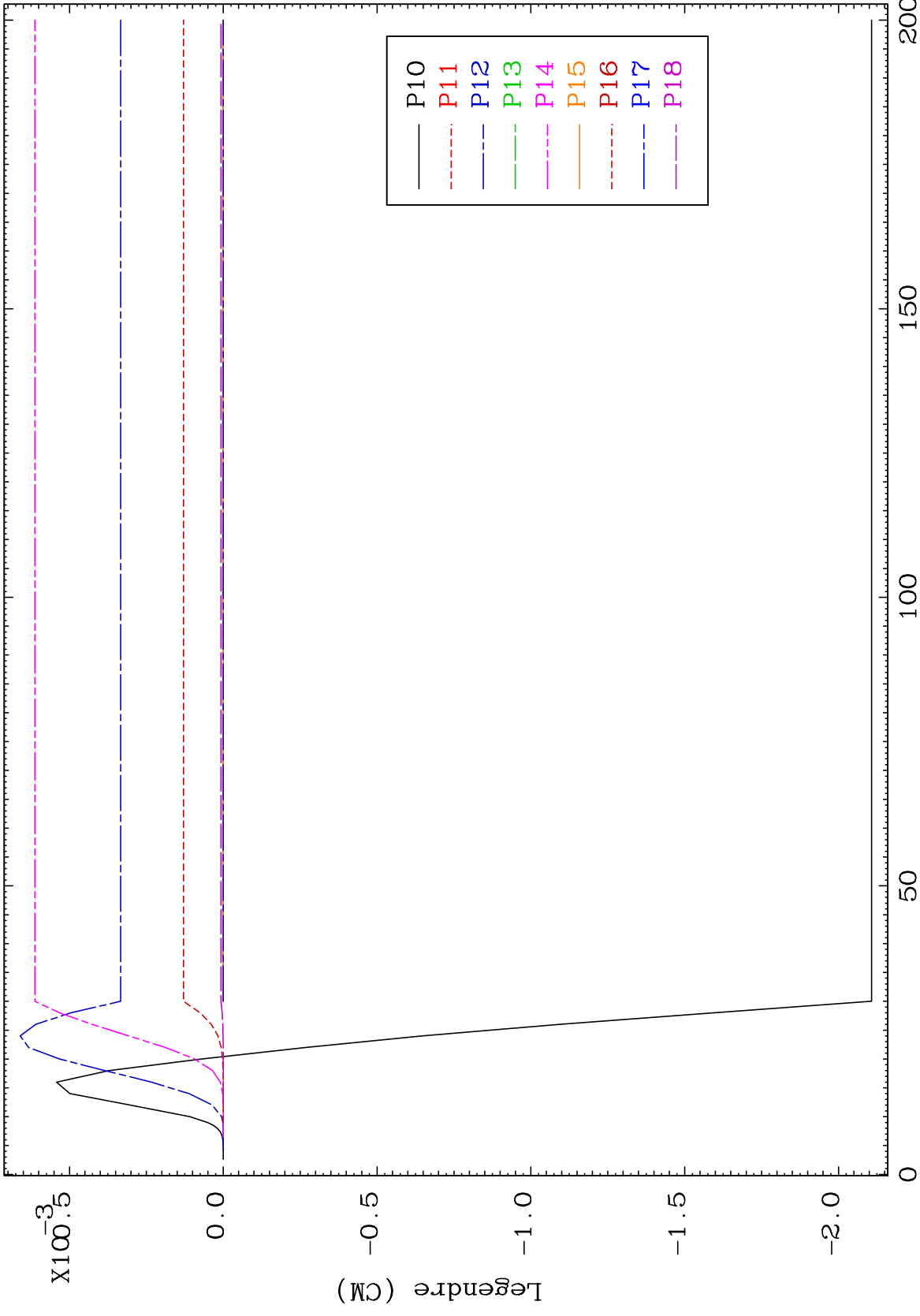


85 Incident Energy (MeV) 37-Rb-90

MAT 3740

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

37-Rb-90

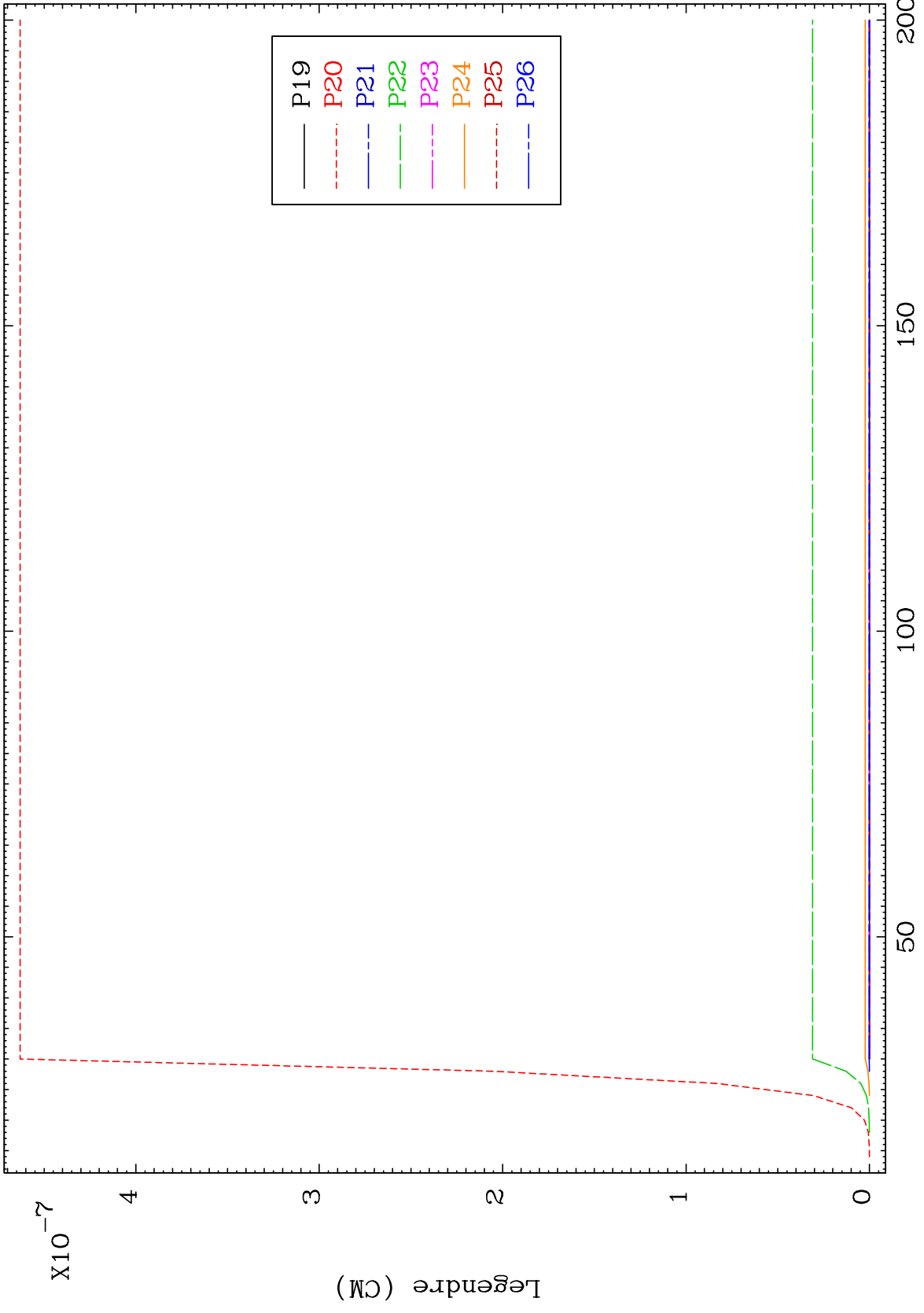


86

Incident Energy (MeV)

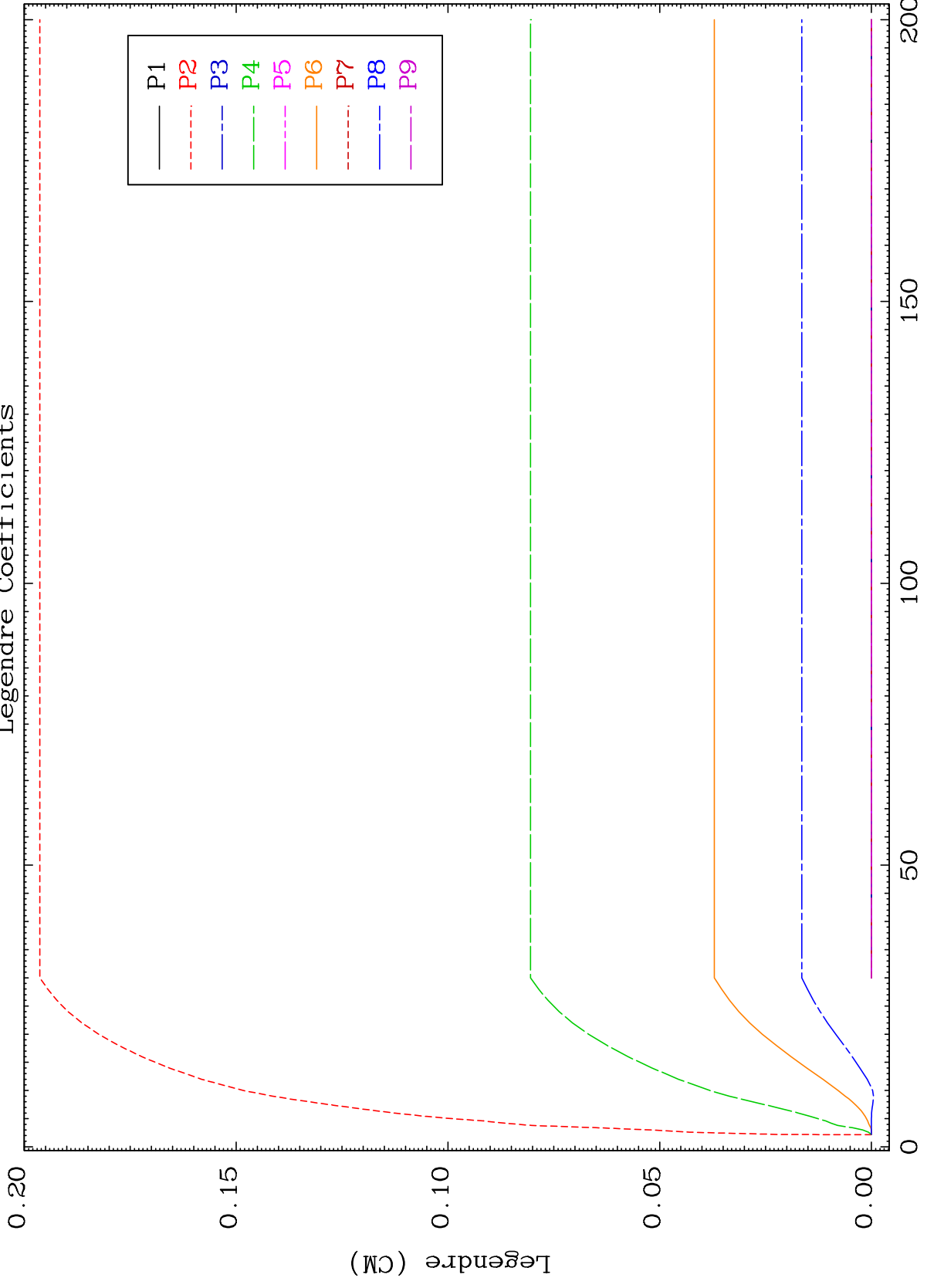
37-Rb-90

MAT 3740 MT= 70 (n,n') Level Legendre Coefficients 37-Rb-90



87 37-Rb-90

MAT 3740 MT= 71 (n,n') Level Legendre Coefficients 37-Rb-90



88 37-Rb-90

MAT 3740

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

37-Rb-90

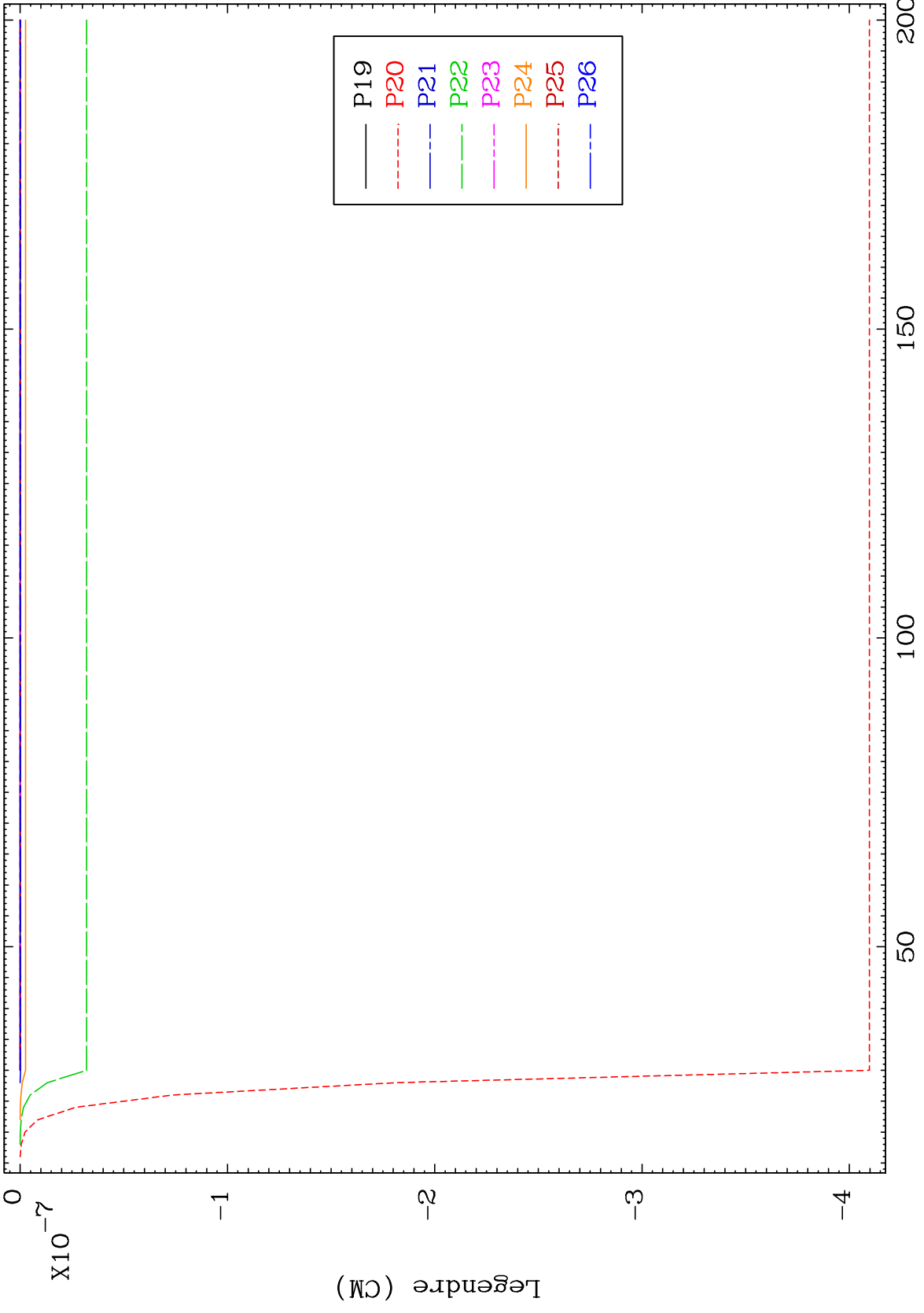


89

Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 71 (n,n') Level Legendre Coefficients 37-Rb-90

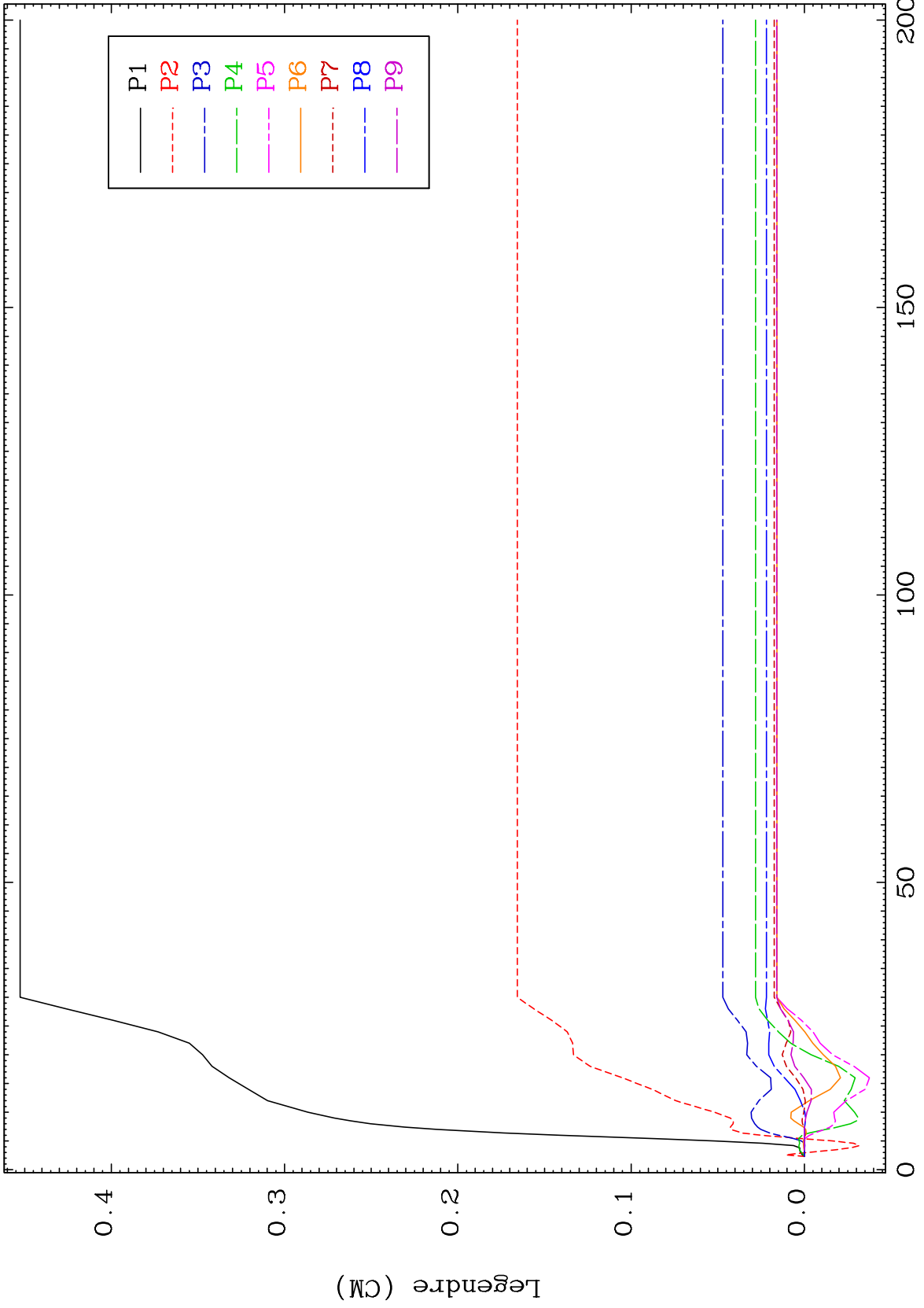


90 Incident Energy (MeV) 37-Rb-90

MAT 3740

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

37-Rb-90



91

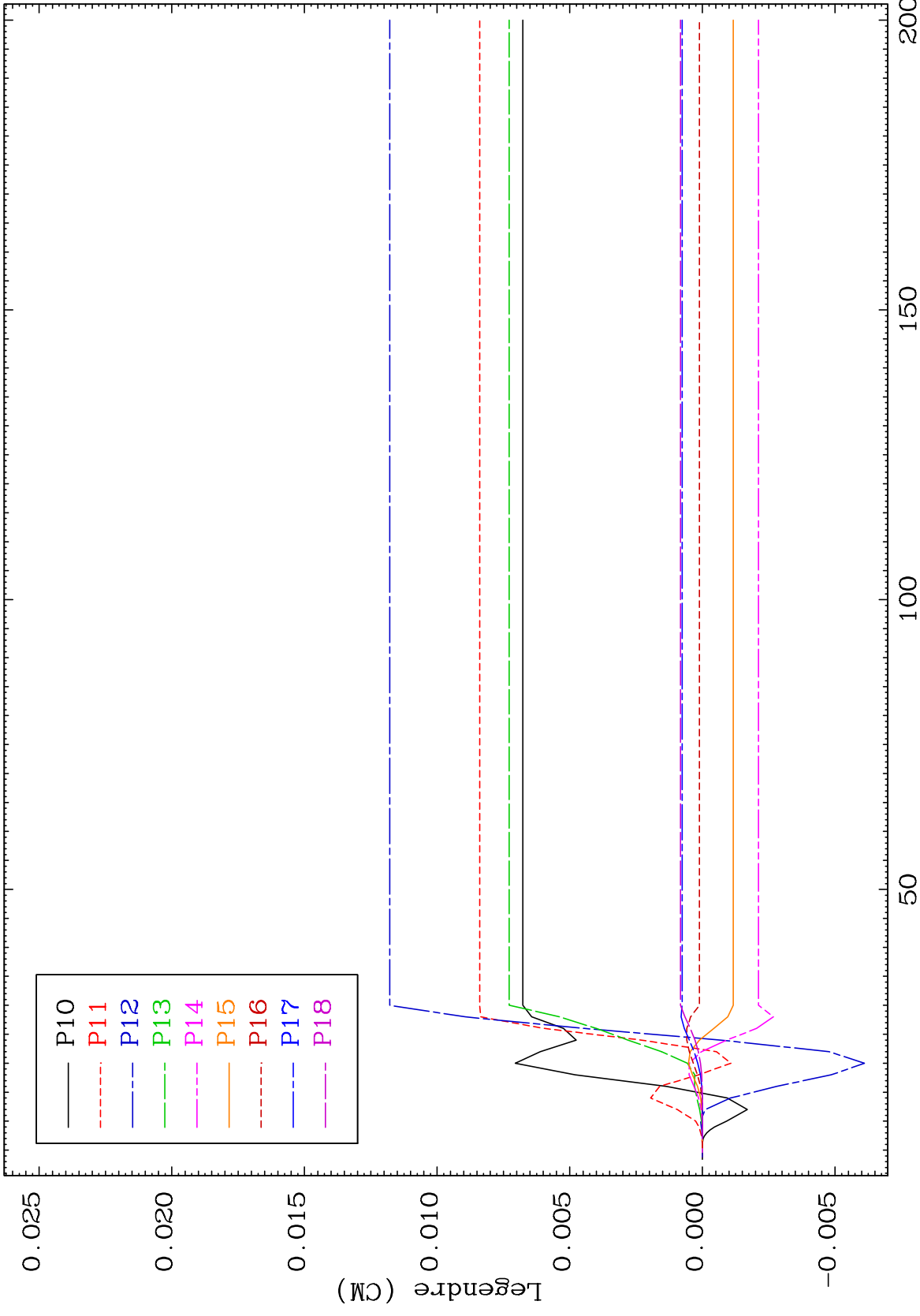
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90



92

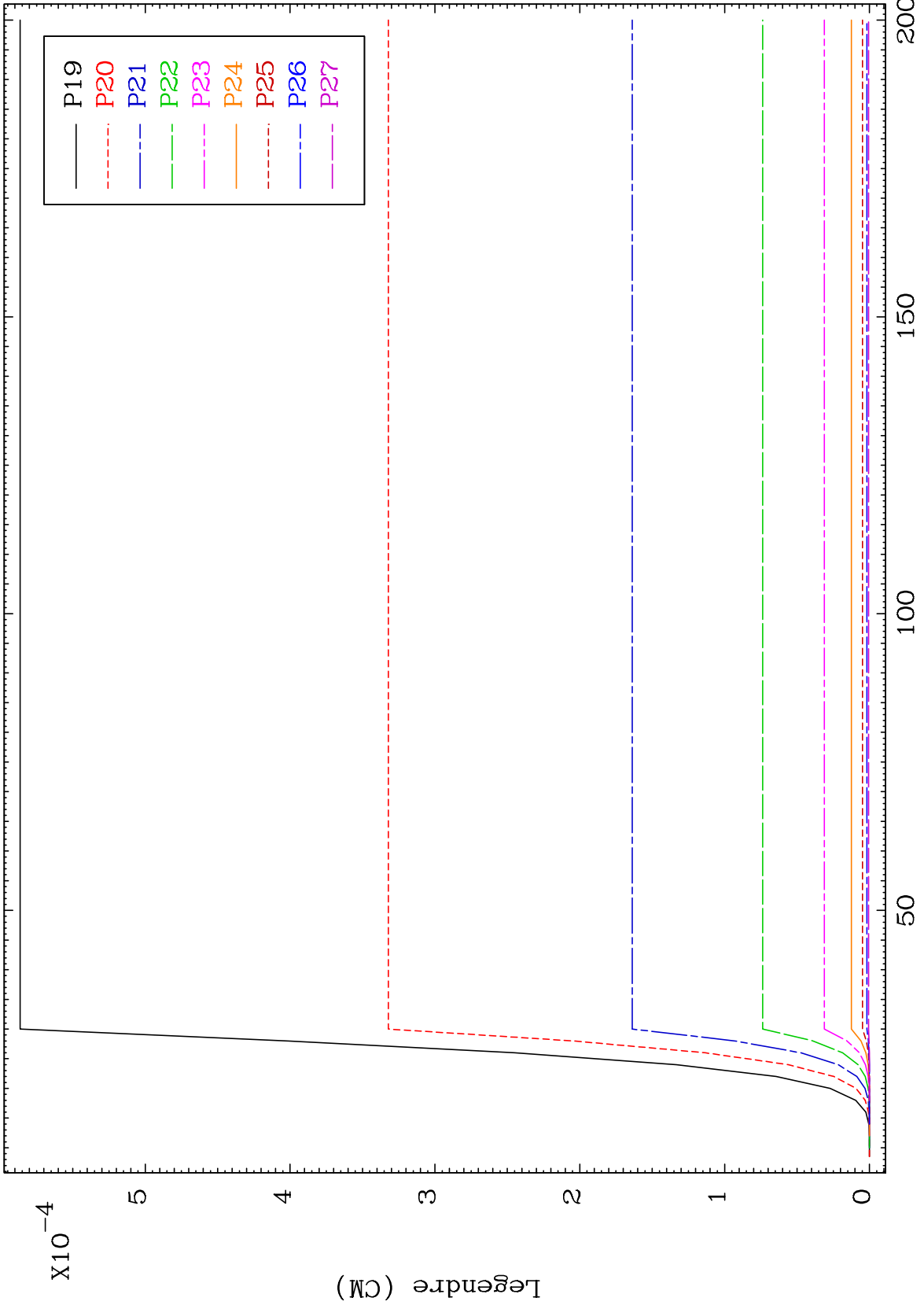
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90



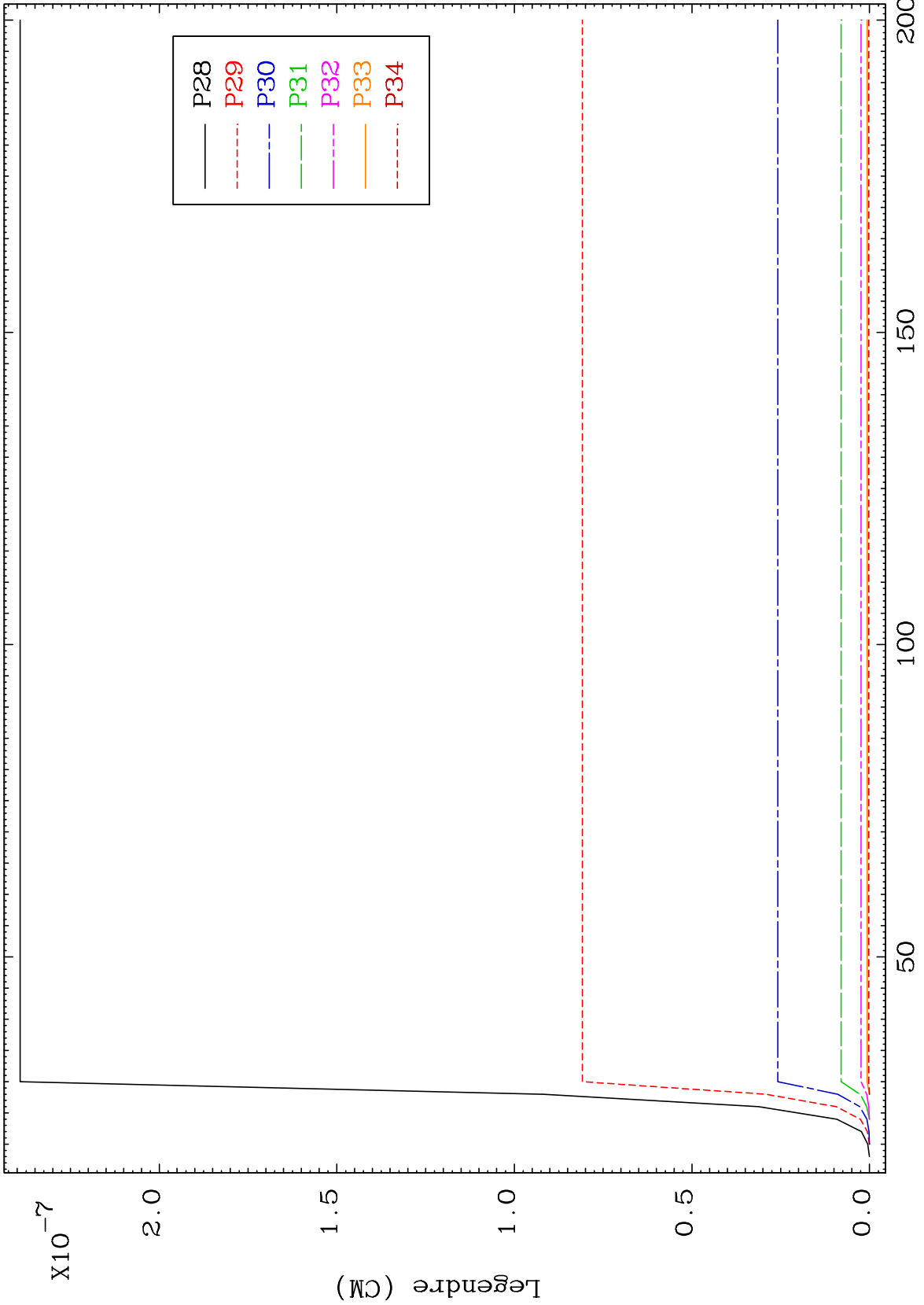
93

37-Rb-90

MAT 3740

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

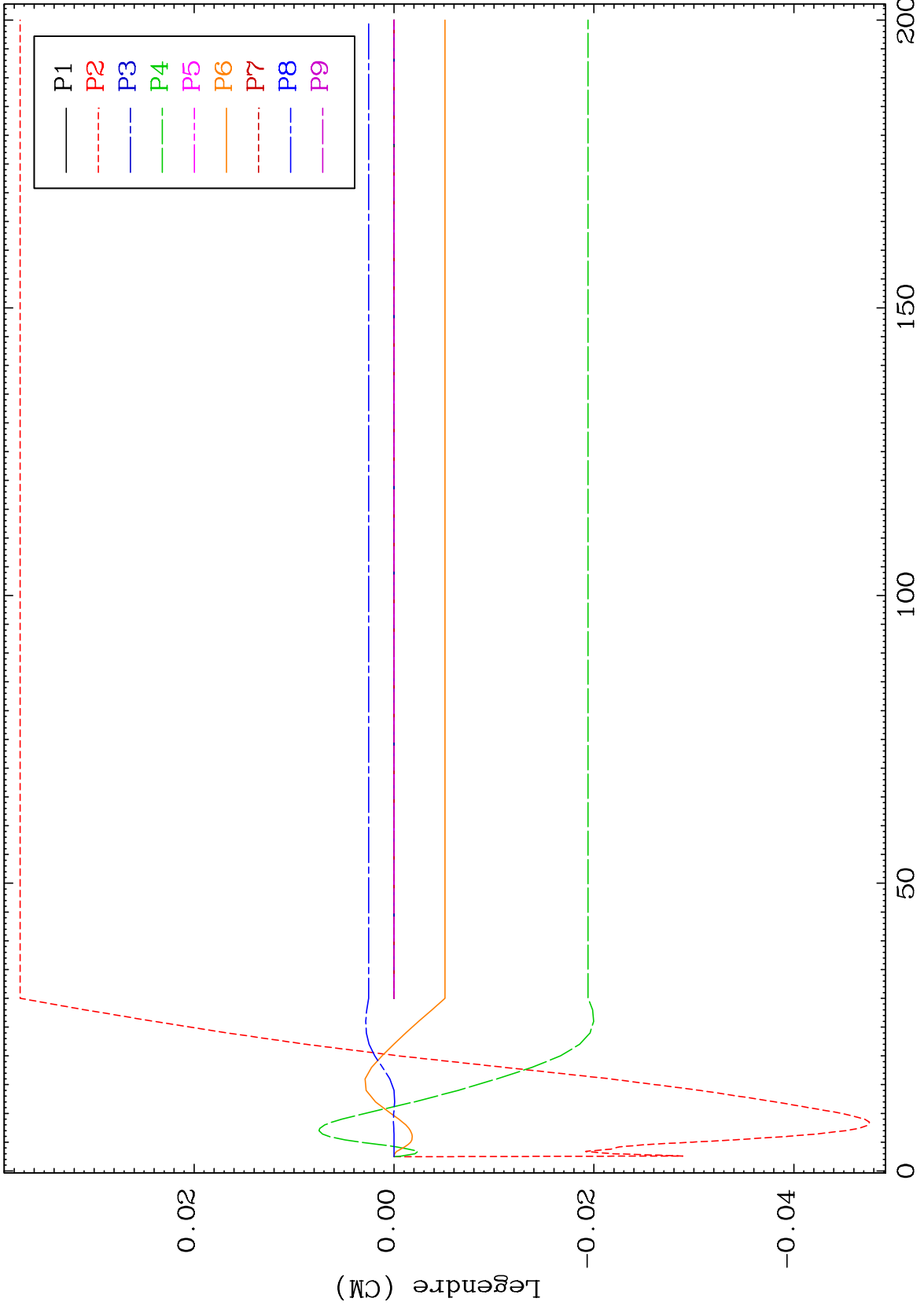
37-Rb-90



94

37-Rb-90

MAT 3740 MT= 73 (n,n') Level Legendre Coefficients 37-Rb-90

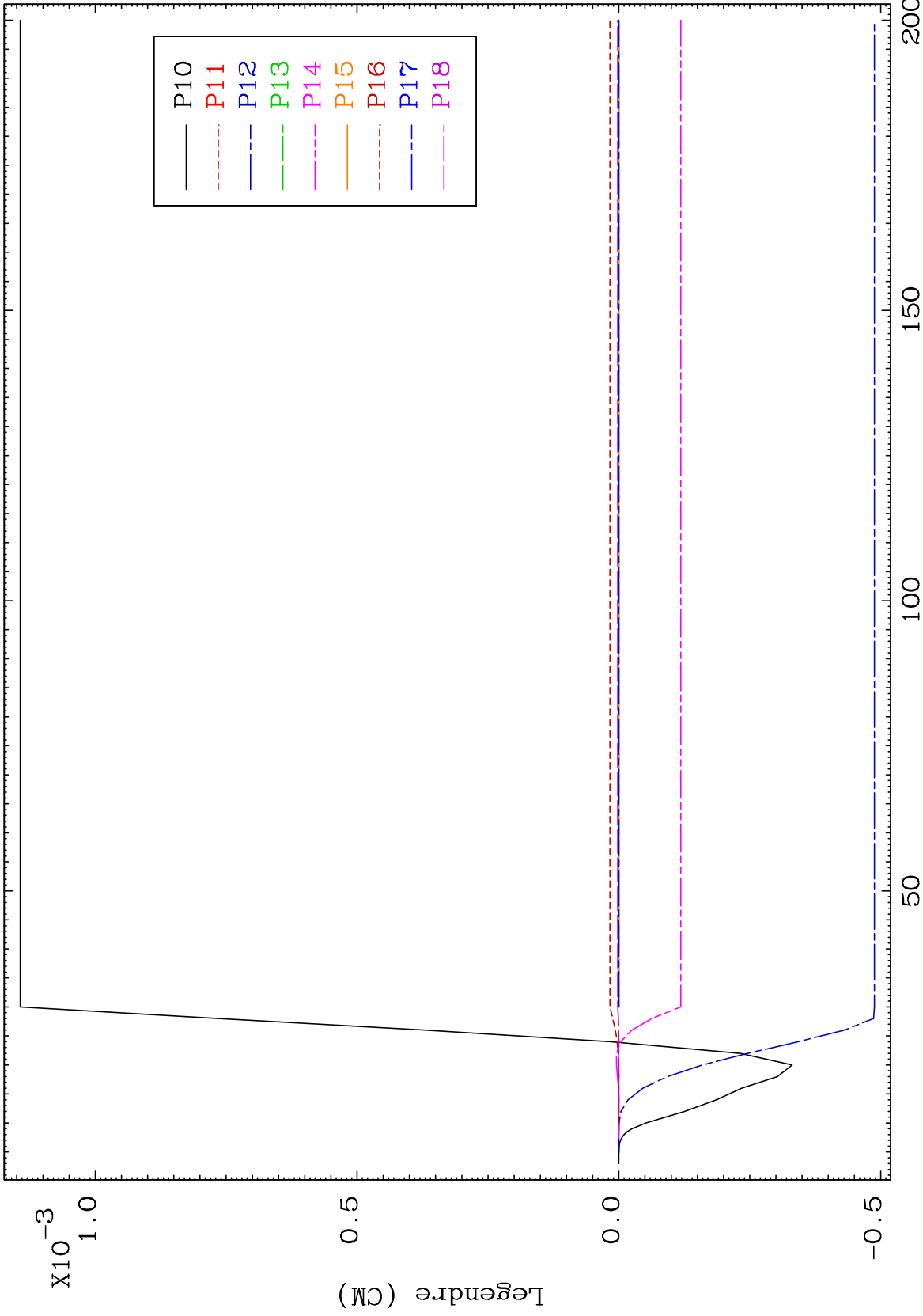


Legendre (CM) Incident Energy (MeV) 37-Rb-90

MAT 3740

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

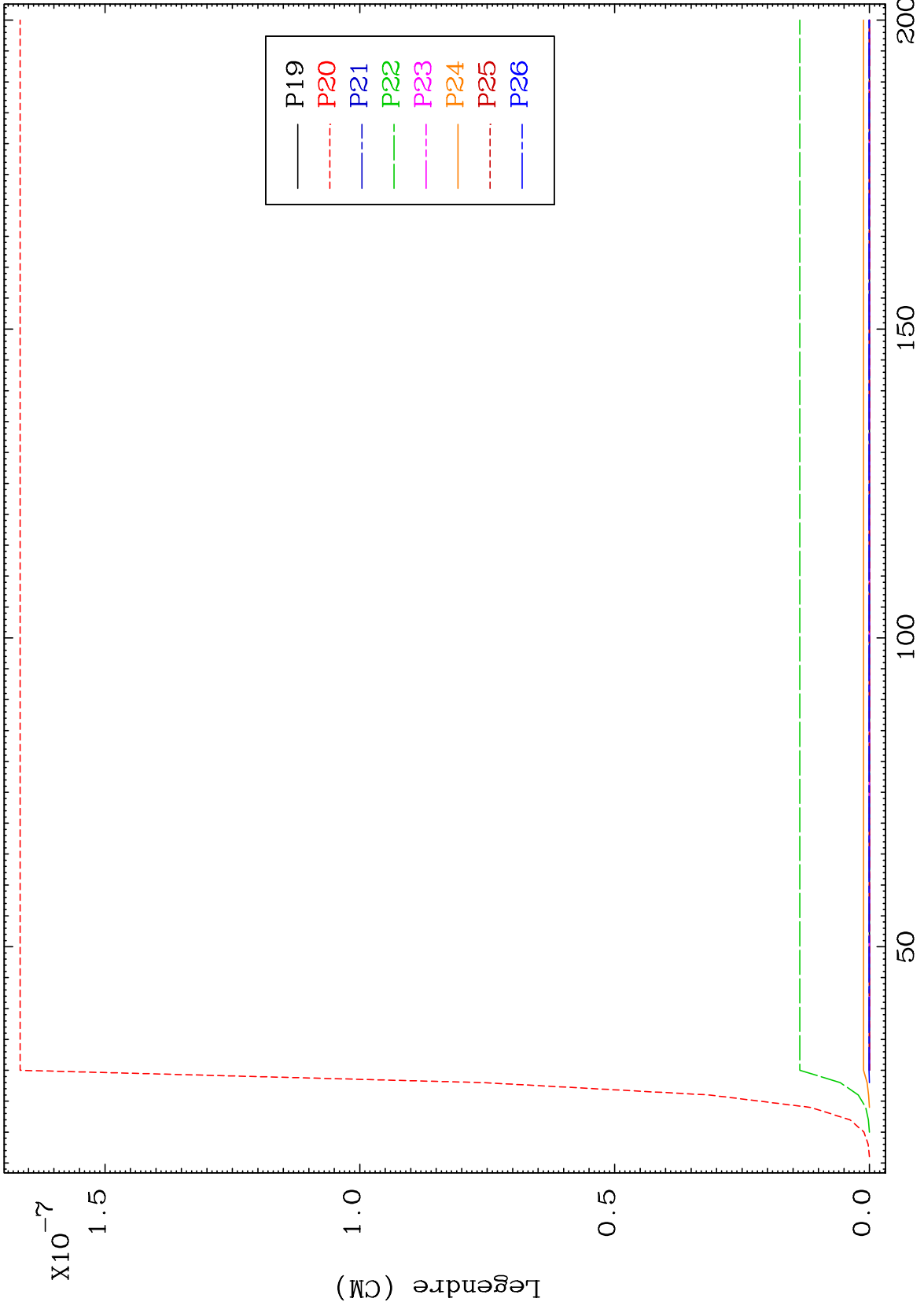
37-Rb-90



96

37-Rb-90

MAT 3740 MT= 73 (n,n') Level Legendre Coefficients 37-Rb-90

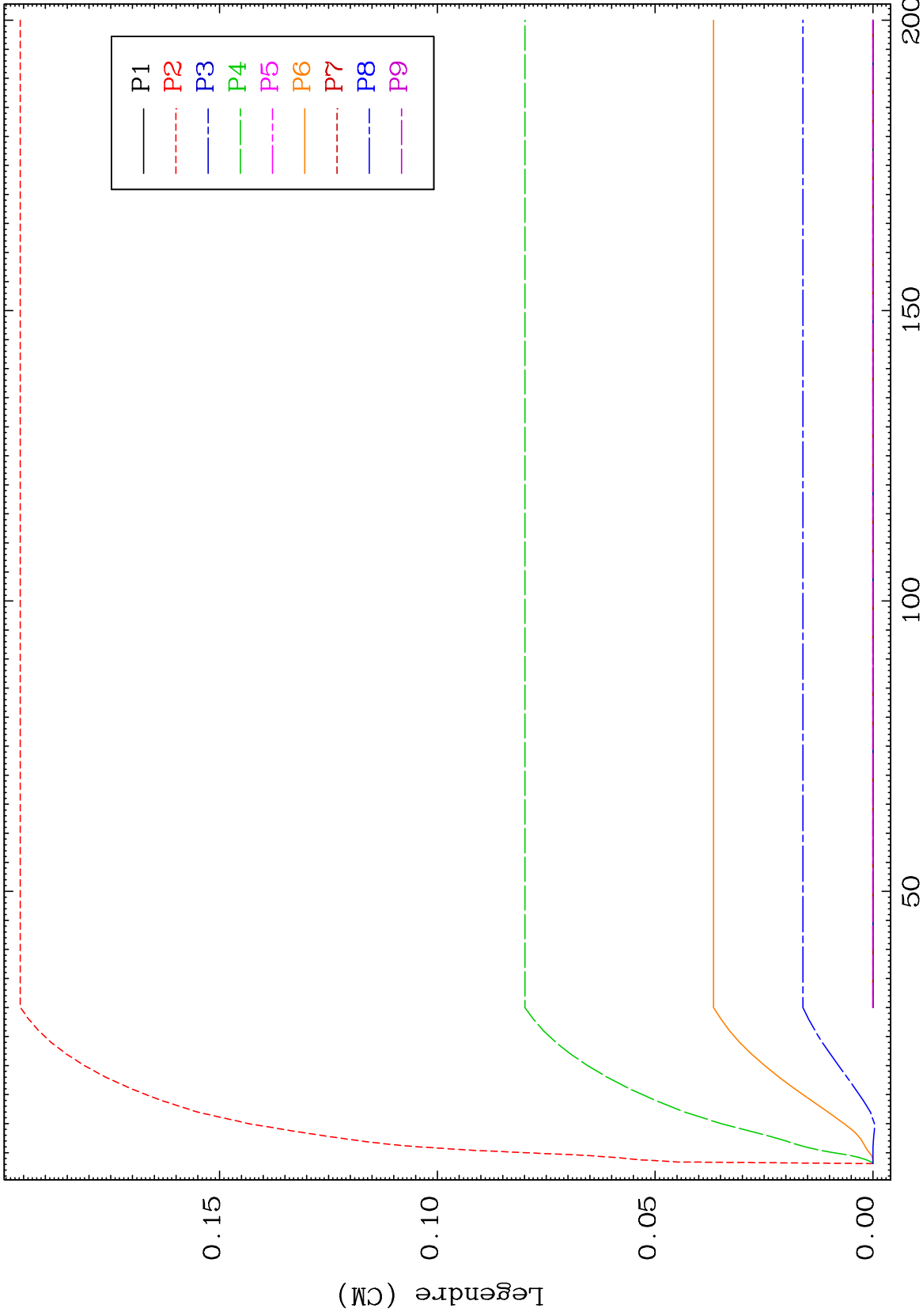


97 37-Rb-90

MAT 3740

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

37-Rb-90

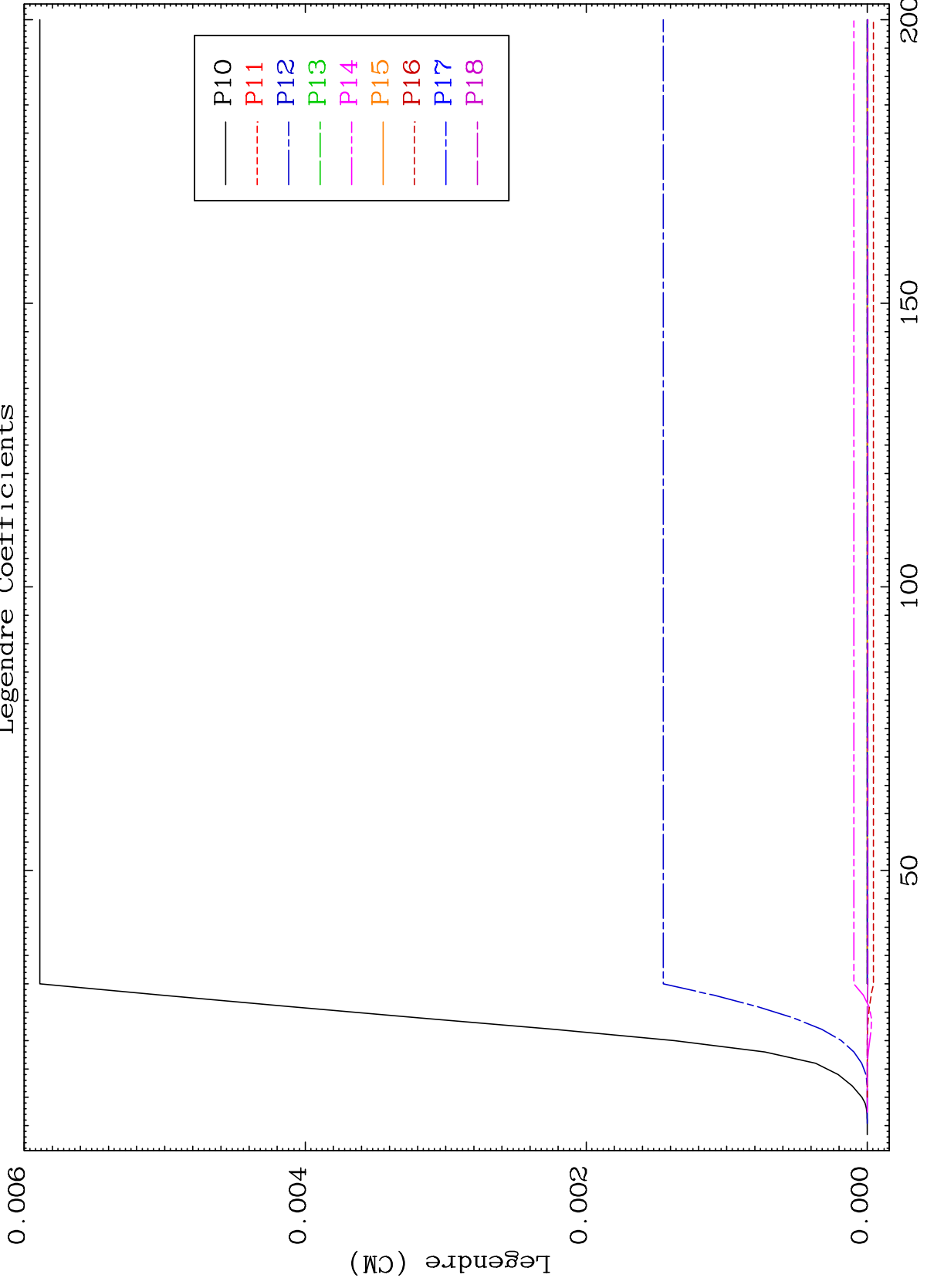


98

Incident Energy (MeV)

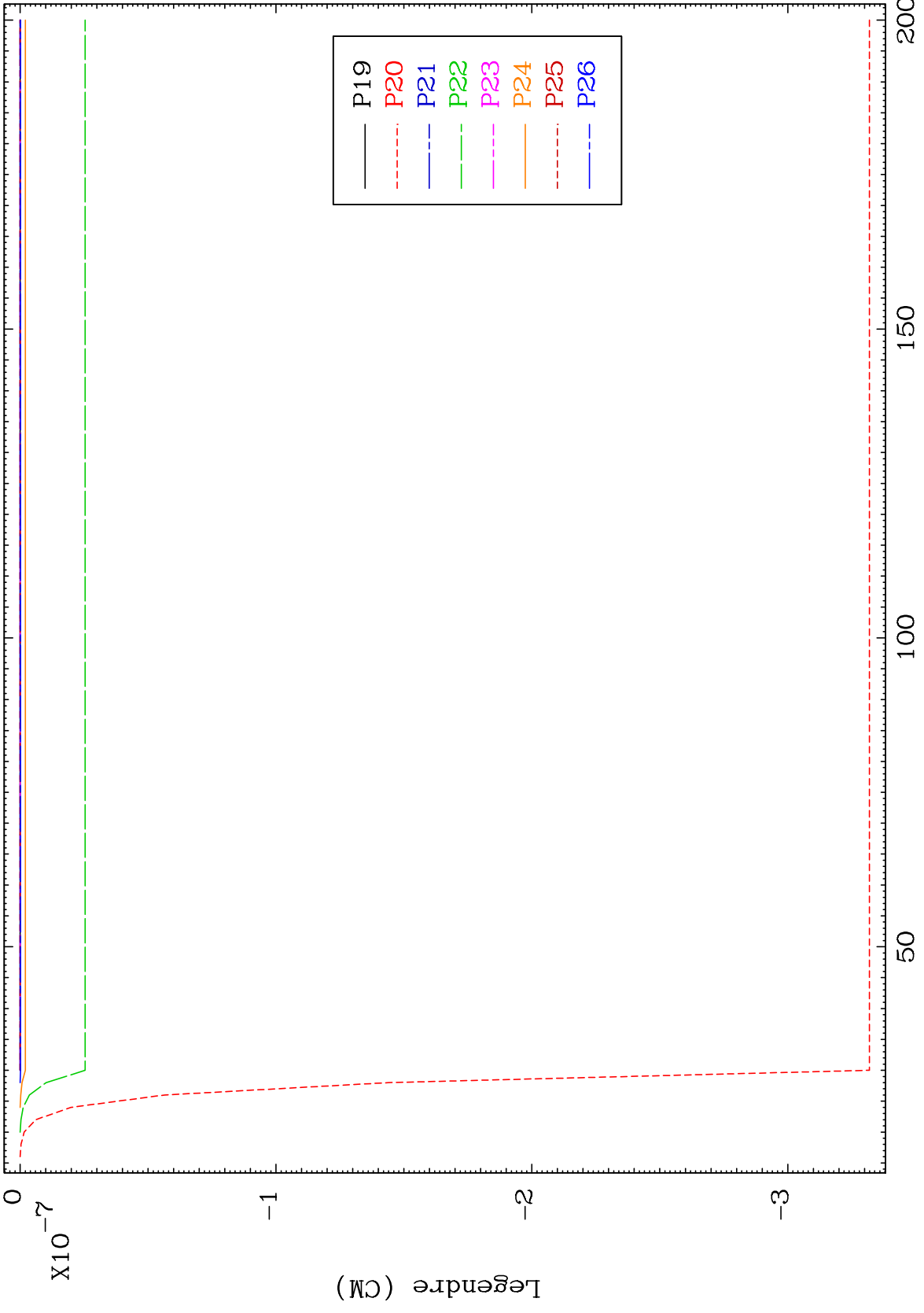
37-Rb-90

MAT 3740 MT= 74 (n,n') Level Legendre Coefficients 37-Rb-90



99 37-Rb-90

MAT 3740 MT= 74 (n,n') Level Legendre Coefficients 37-Rb-90

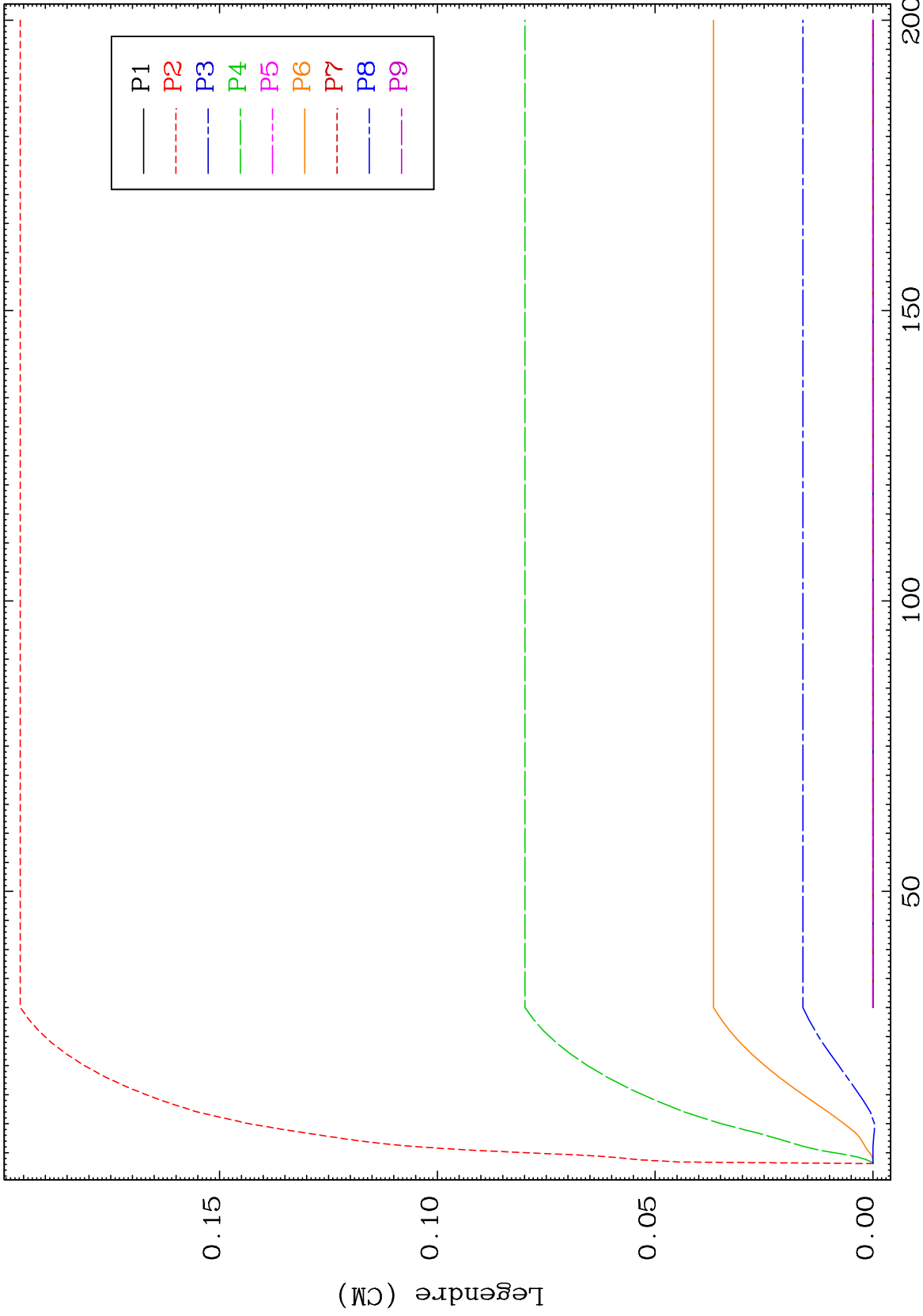


Incident Energy (MeV) 37-Rb-90

MAT 3740

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

37-Rb-90



101

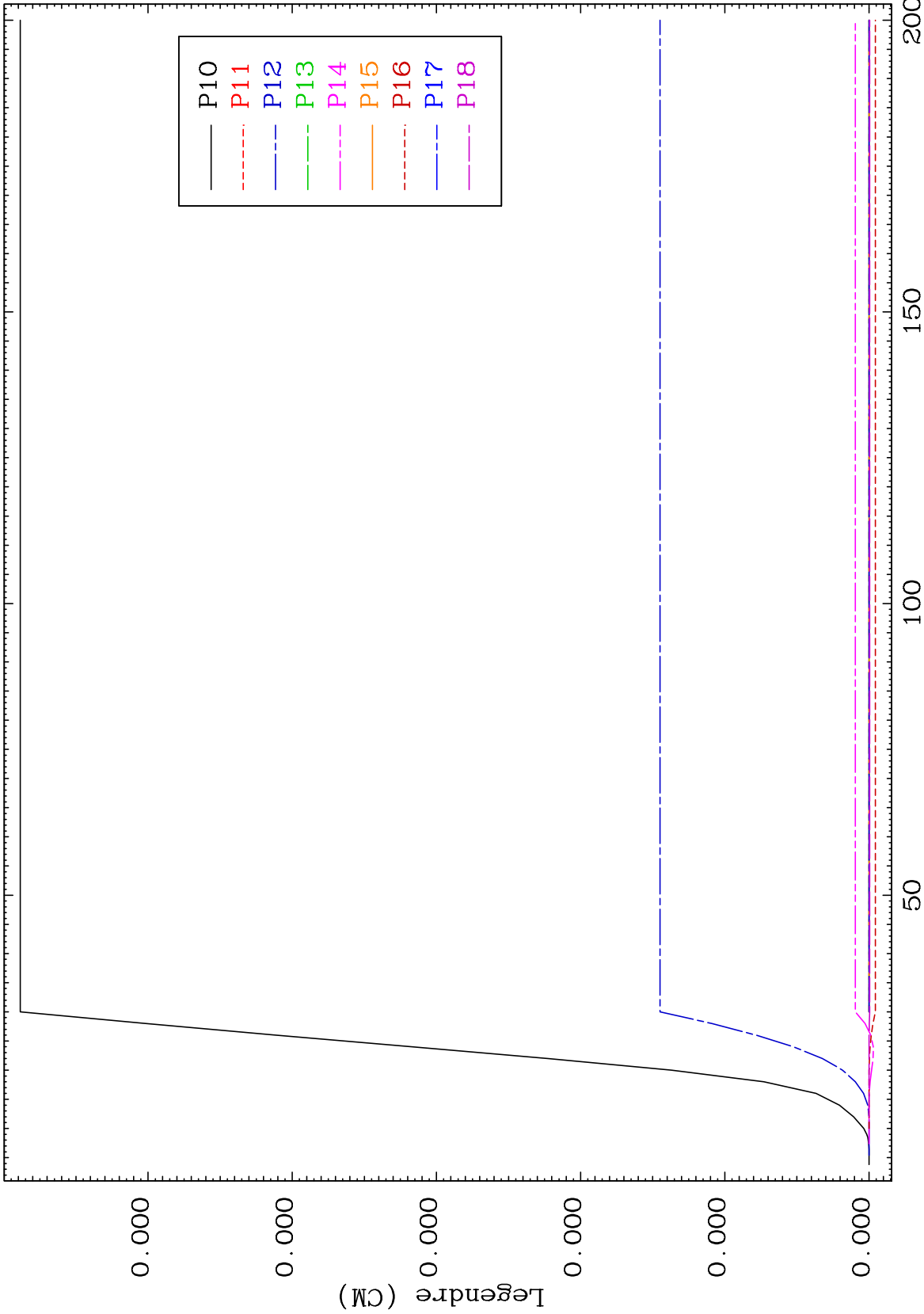
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90

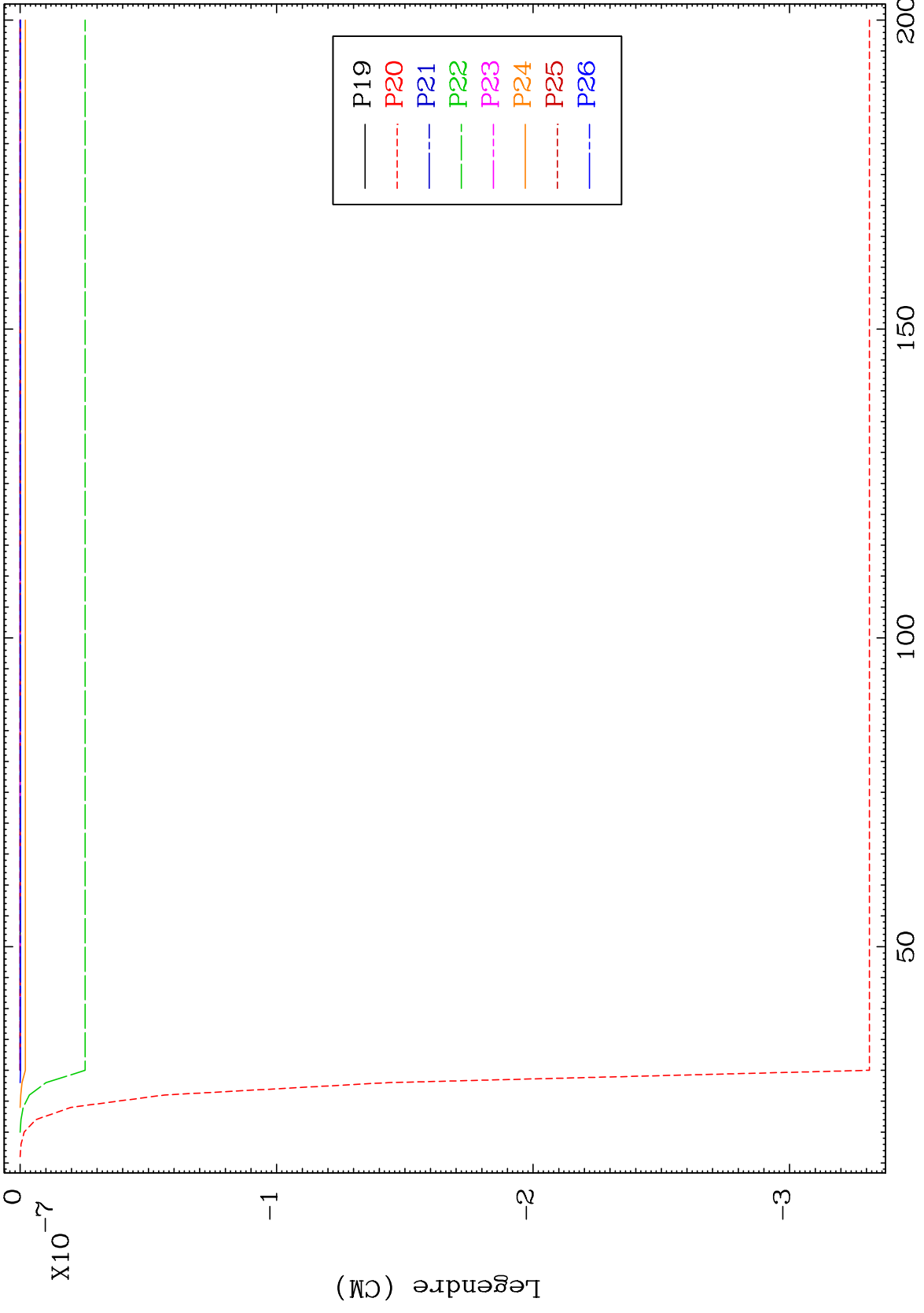


102

Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 75 (n,n') Level Legendre Coefficients 37-Rb-90

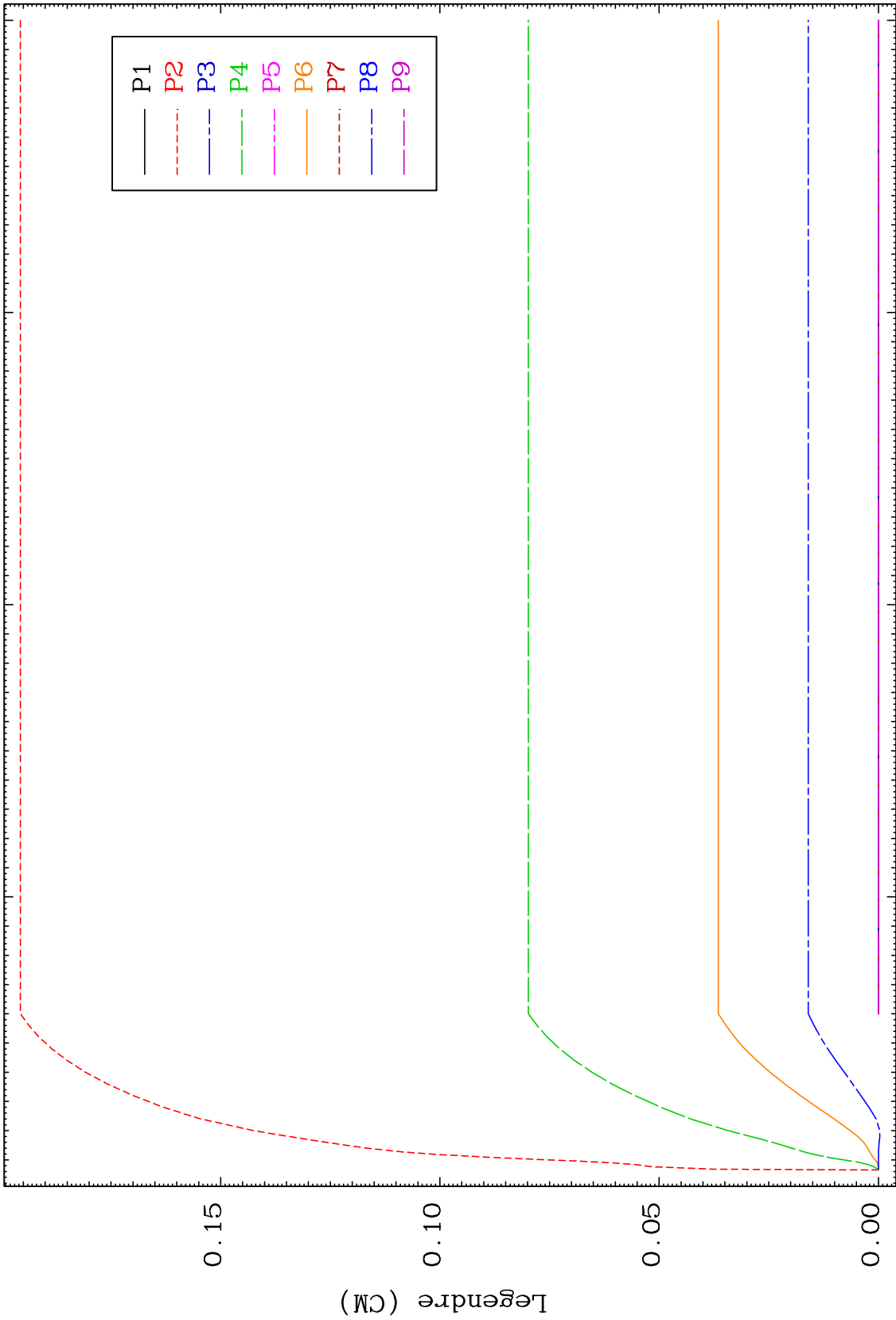


103 37-Rb-90

MAT 3740

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

37-Rb-90



104

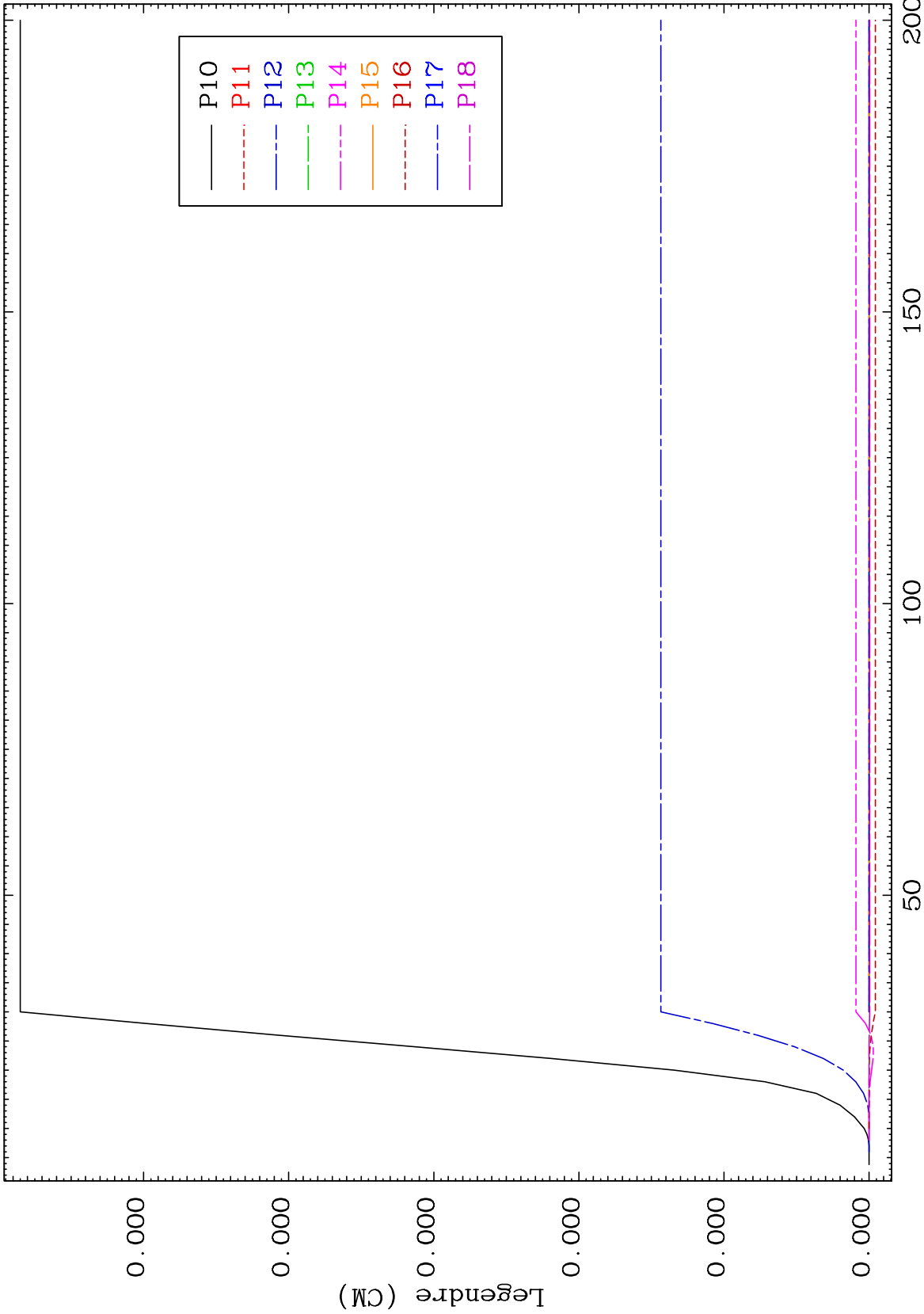
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

37-Rb-90

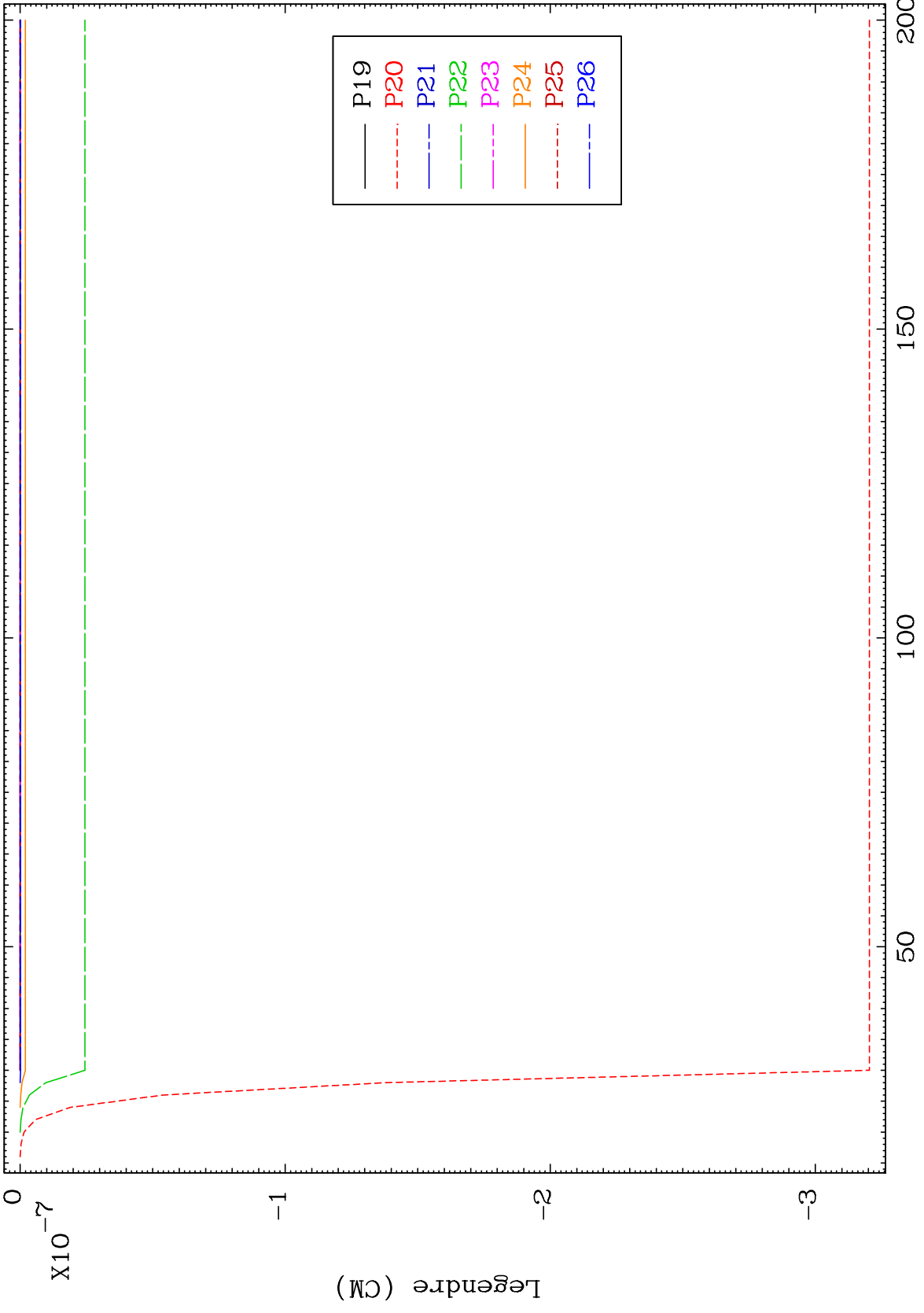


105

Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 76 (n,n') Level Legendre Coefficients 37-Rb-90

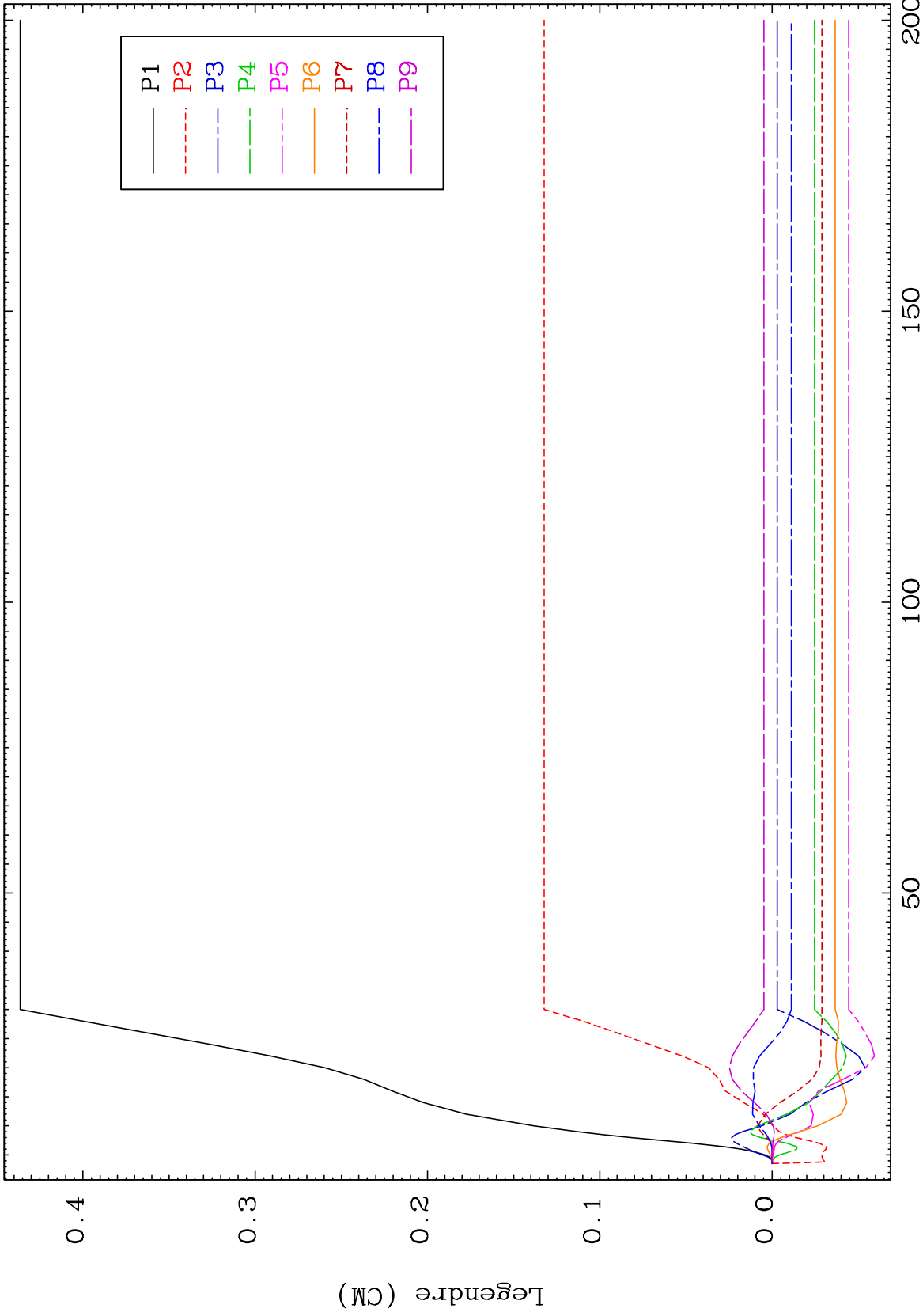


106 37-Rb-90

MAT 3740

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

37-Rb-90



107

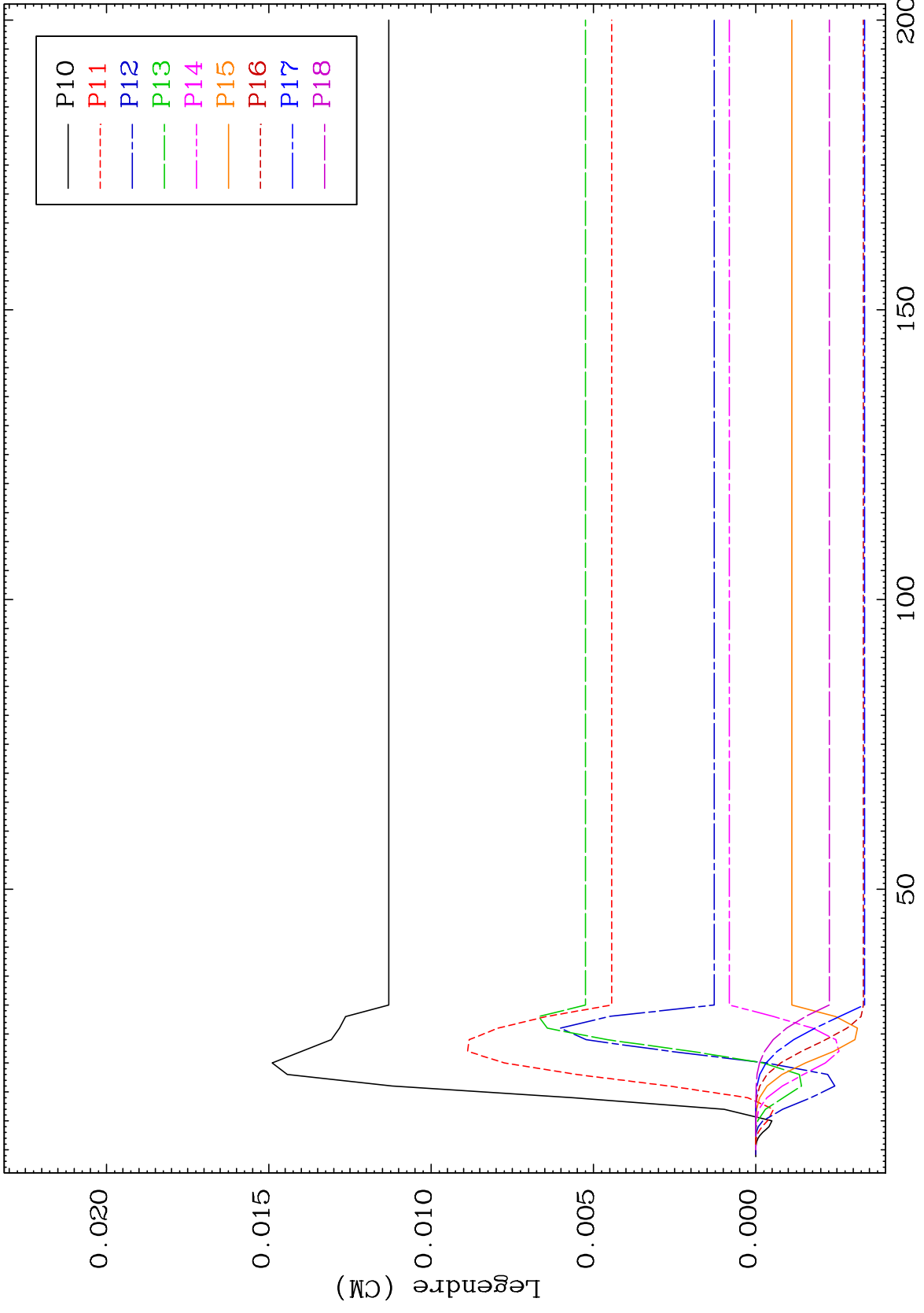
Incident Energy (MeV)

37-Rb-90

MAT 3740

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

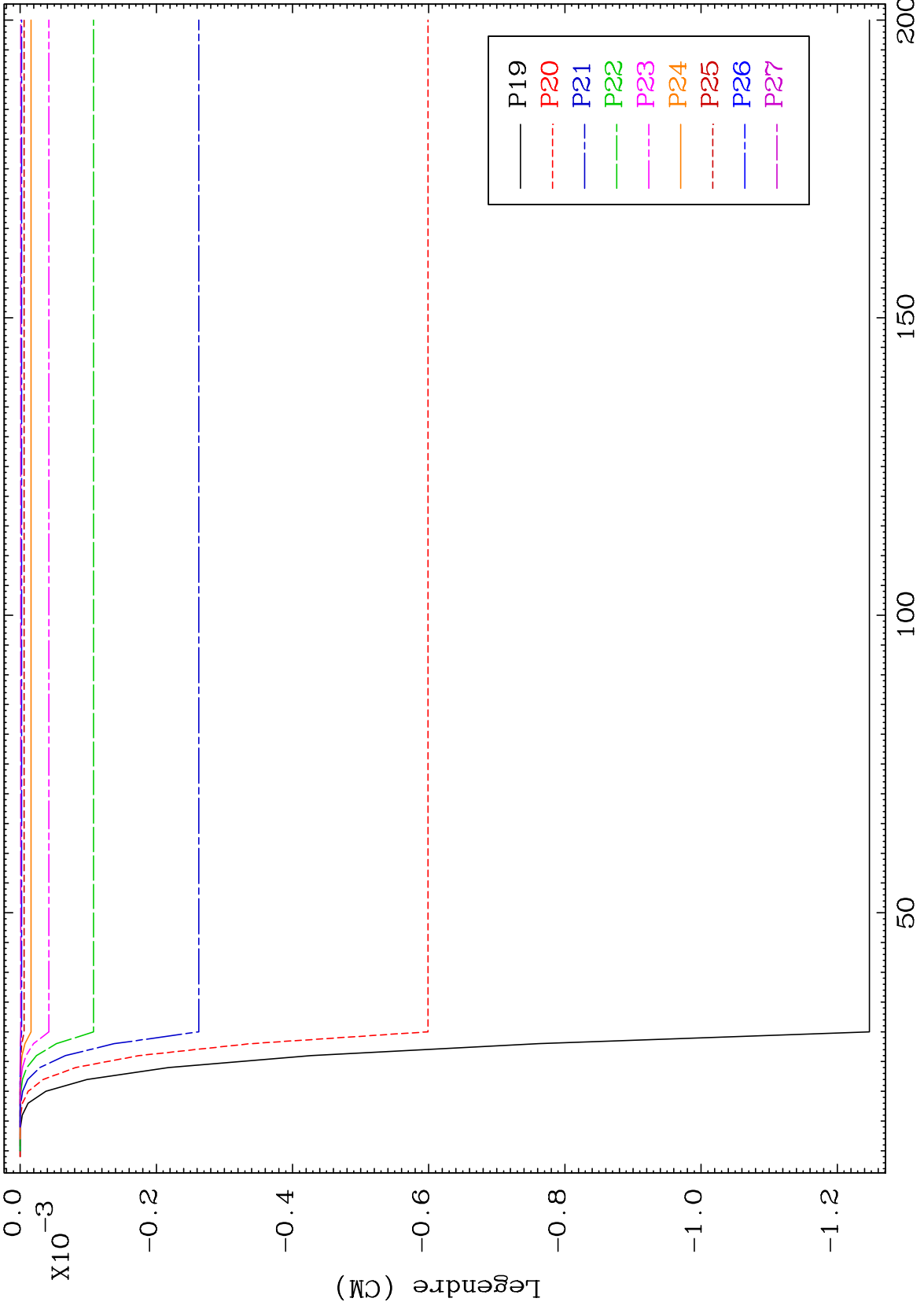
37-Rb-90



108

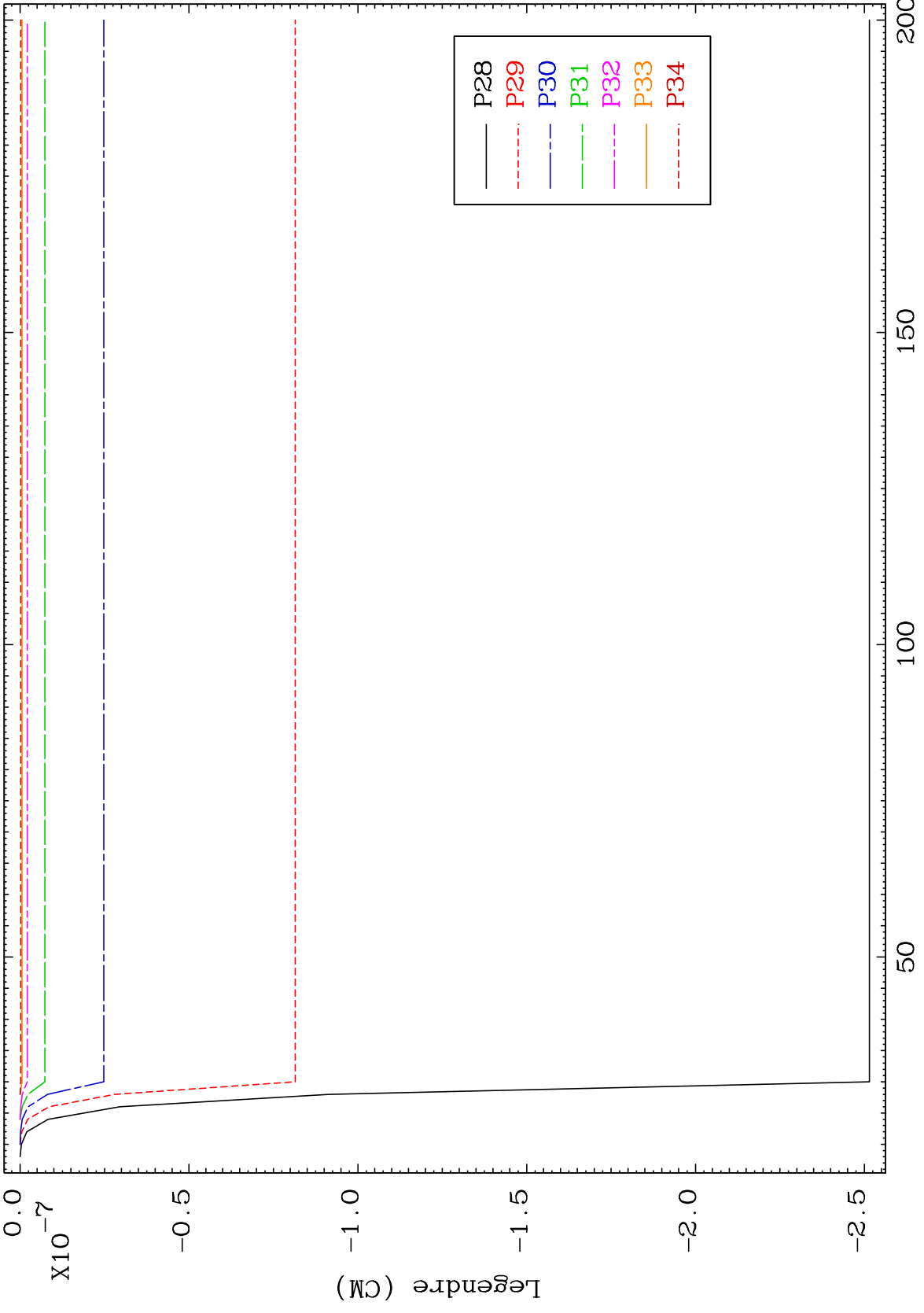
37-Rb-90

MAT 3740 MT= 77 (n,n') Level Legendre Coefficients 37-Rb-90



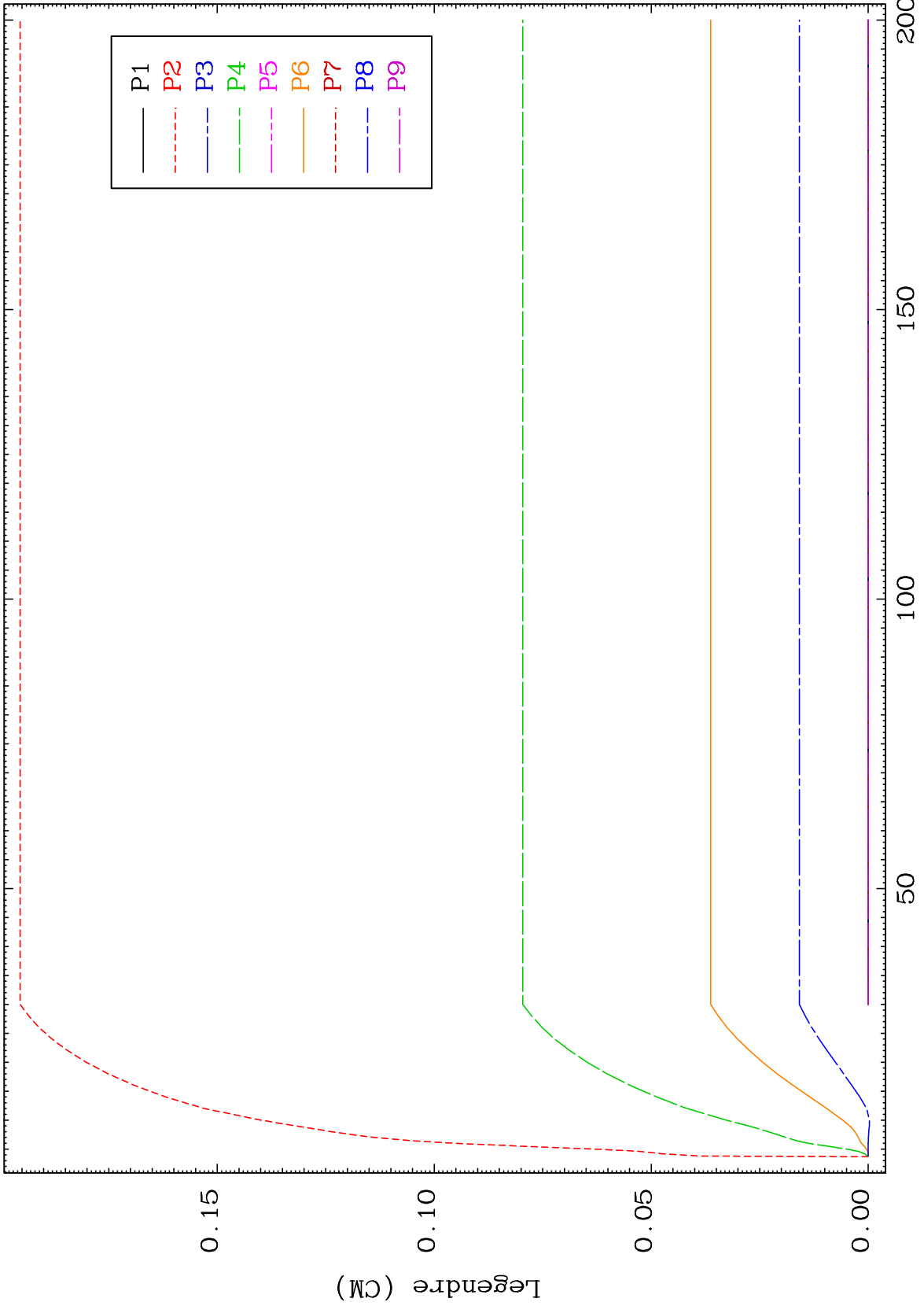
109 37-Rb-90

MAT 3740 MT= 77 (n,n') Level Legendre Coefficients 37-Rb-90



110 Incident Energy (MeV) 37-Rb-90

MAT 3740 MT= 78 (n,n') Level Legendre Coefficients 37-Rb-90

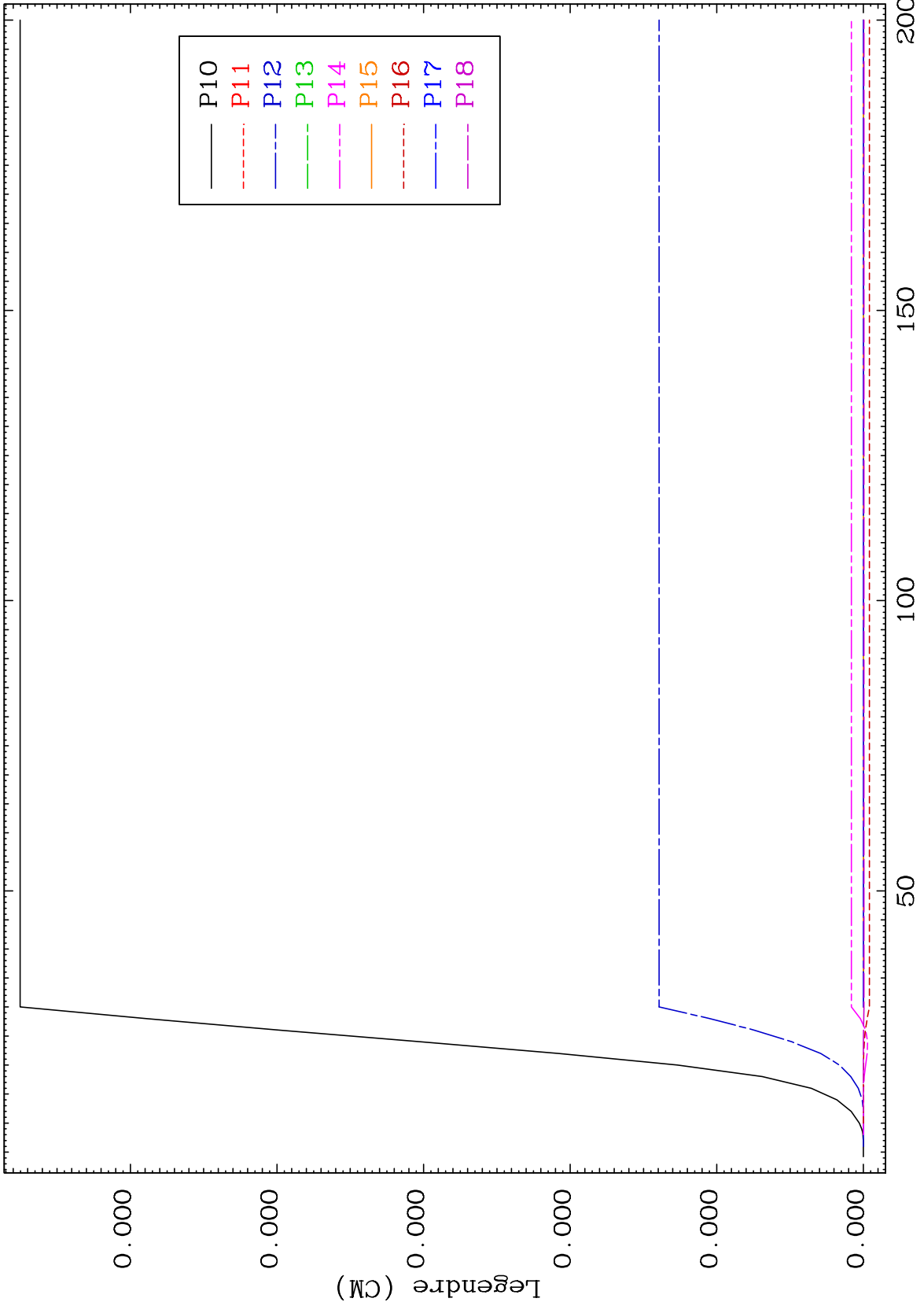


111 37-Rb-90

MAT 3740

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

37-Rb-90

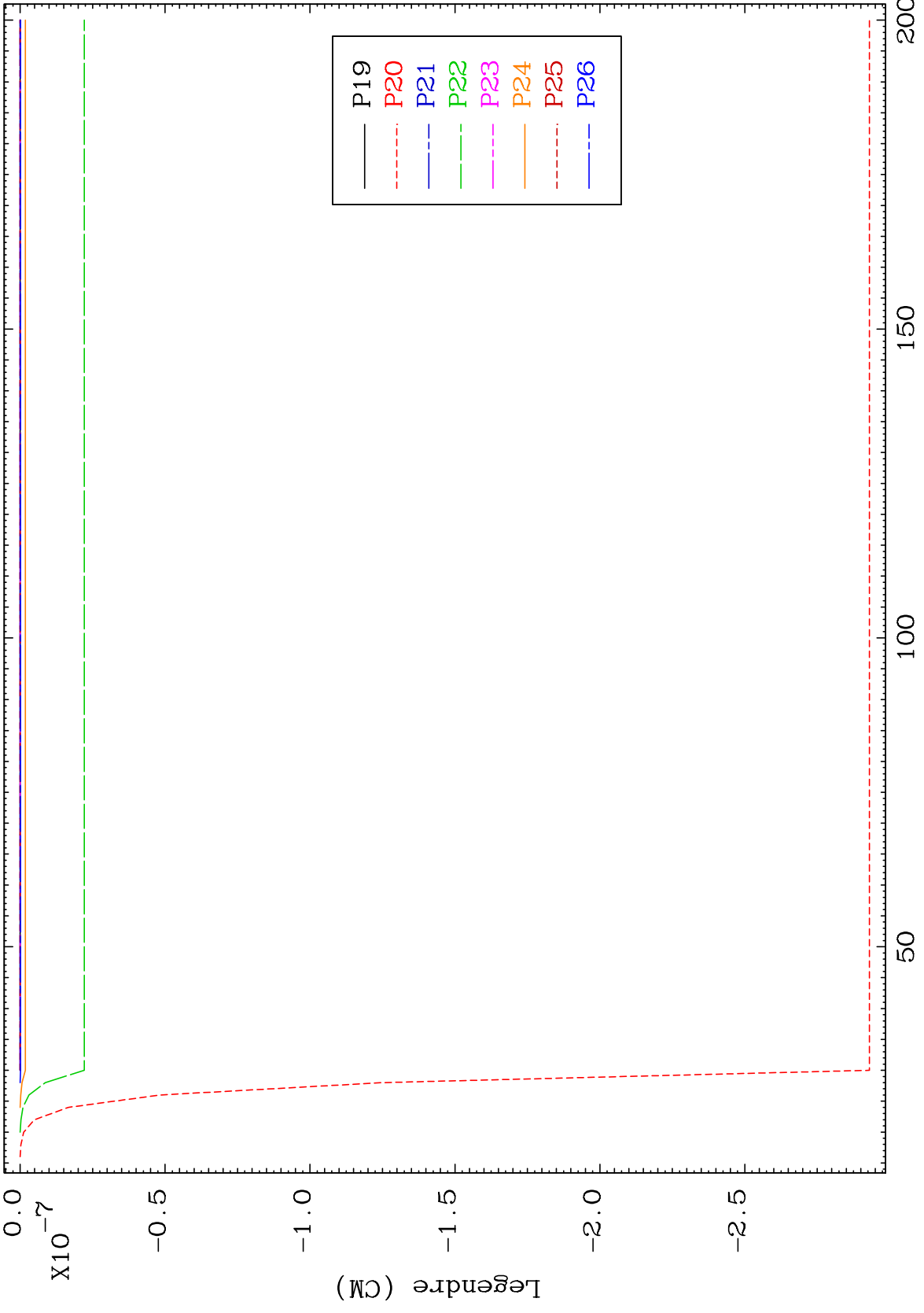


112

Incident Energy (MeV)

37-Rb-90

MAT 3740 MT= 78 (n,n') Level Legendre Coefficients 37-Rb-90

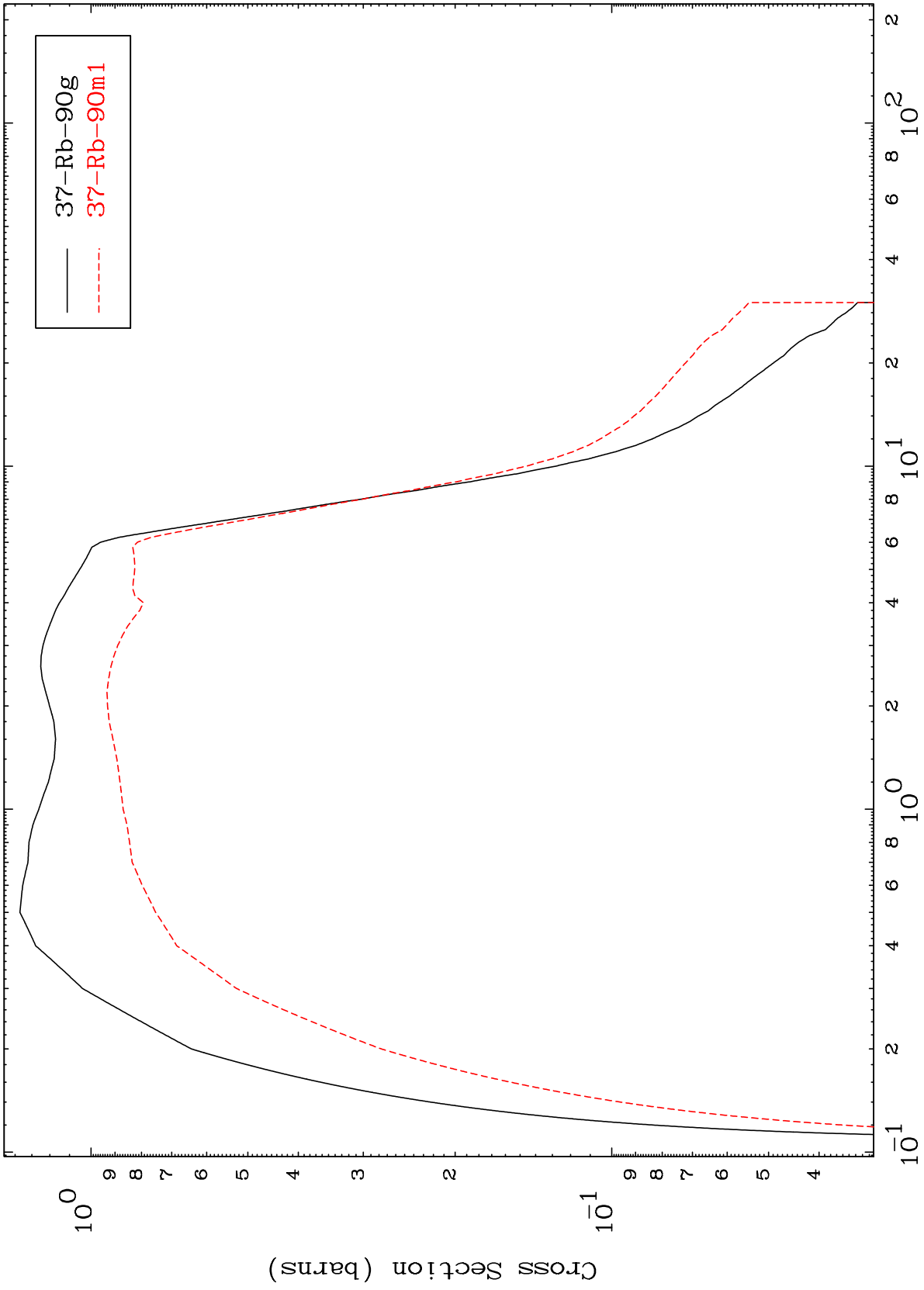


113 37-Rb-90

MAT 3740

Inelastic
Radionuclide Production Cross Section

³⁷Rb-90



114

Incident Energy (MeV)

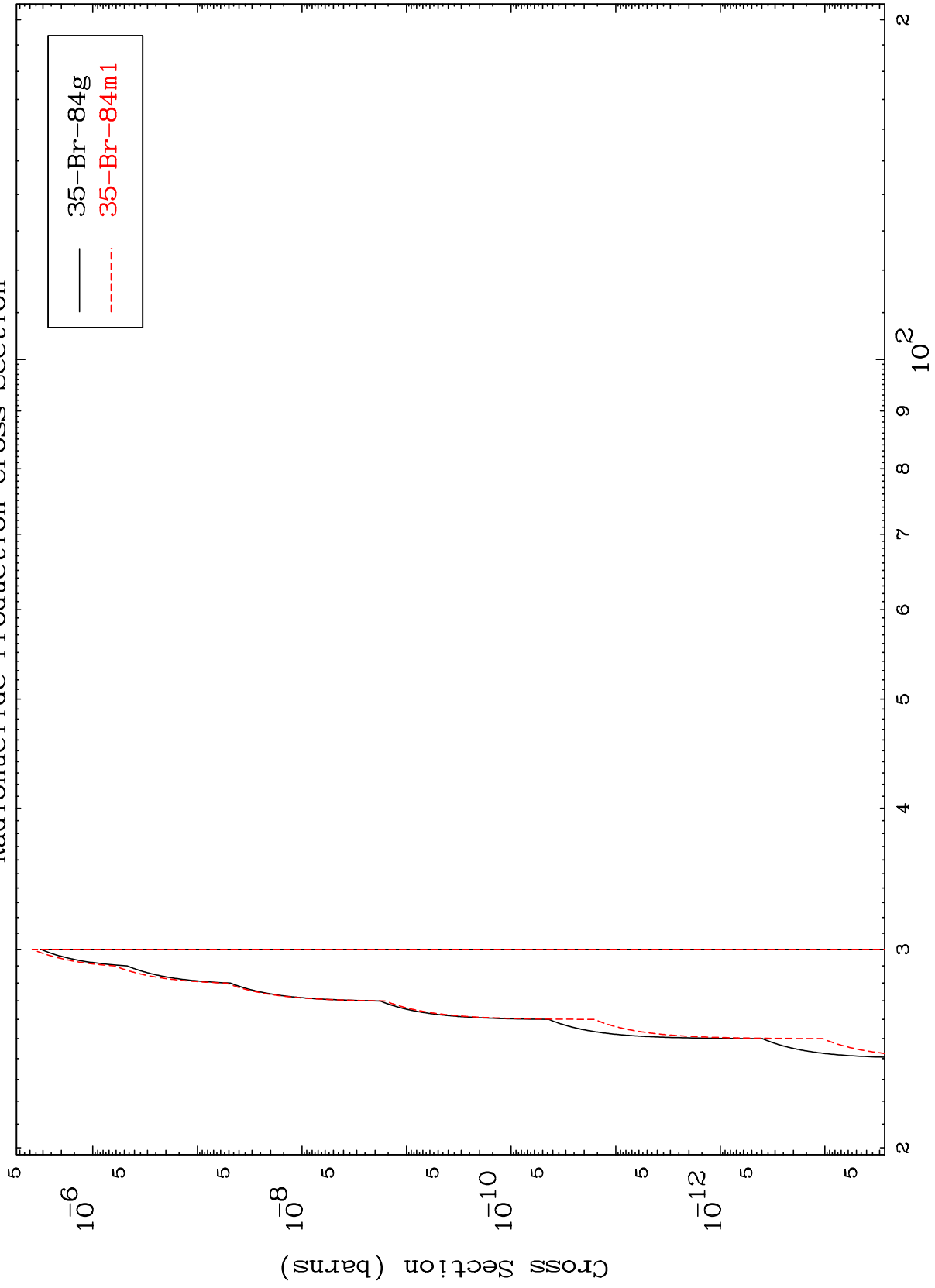
³⁷Rb-90

MAT 3740

(n,3n) α

37-Rb-90

Radionuclide Production Cross Section



115

Incident Energy (MeV)

37-Rb-90