

Program EVALPLOT
(Version 2015-2)

by

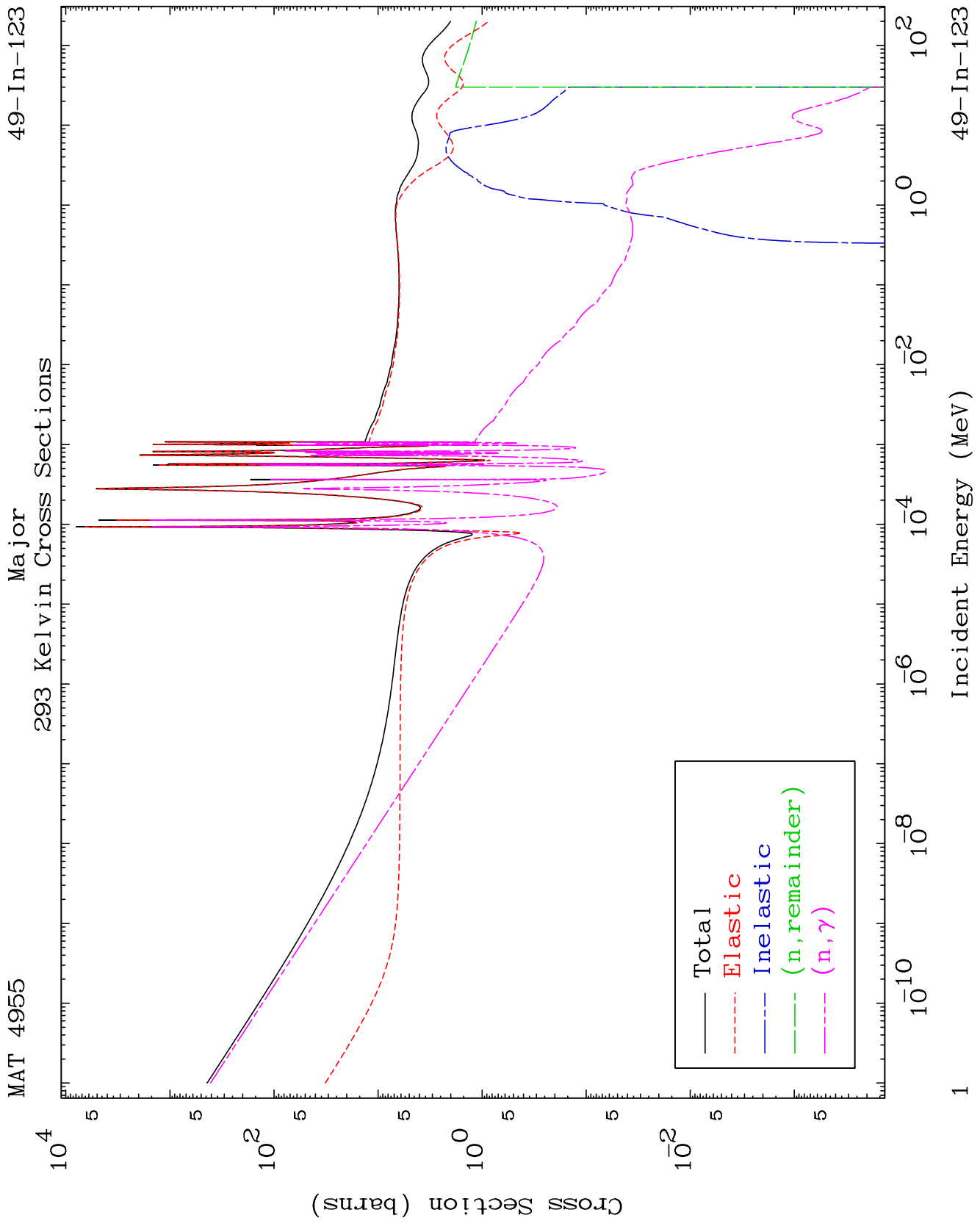
Dermott E. Cullen
(Present Contact Information)

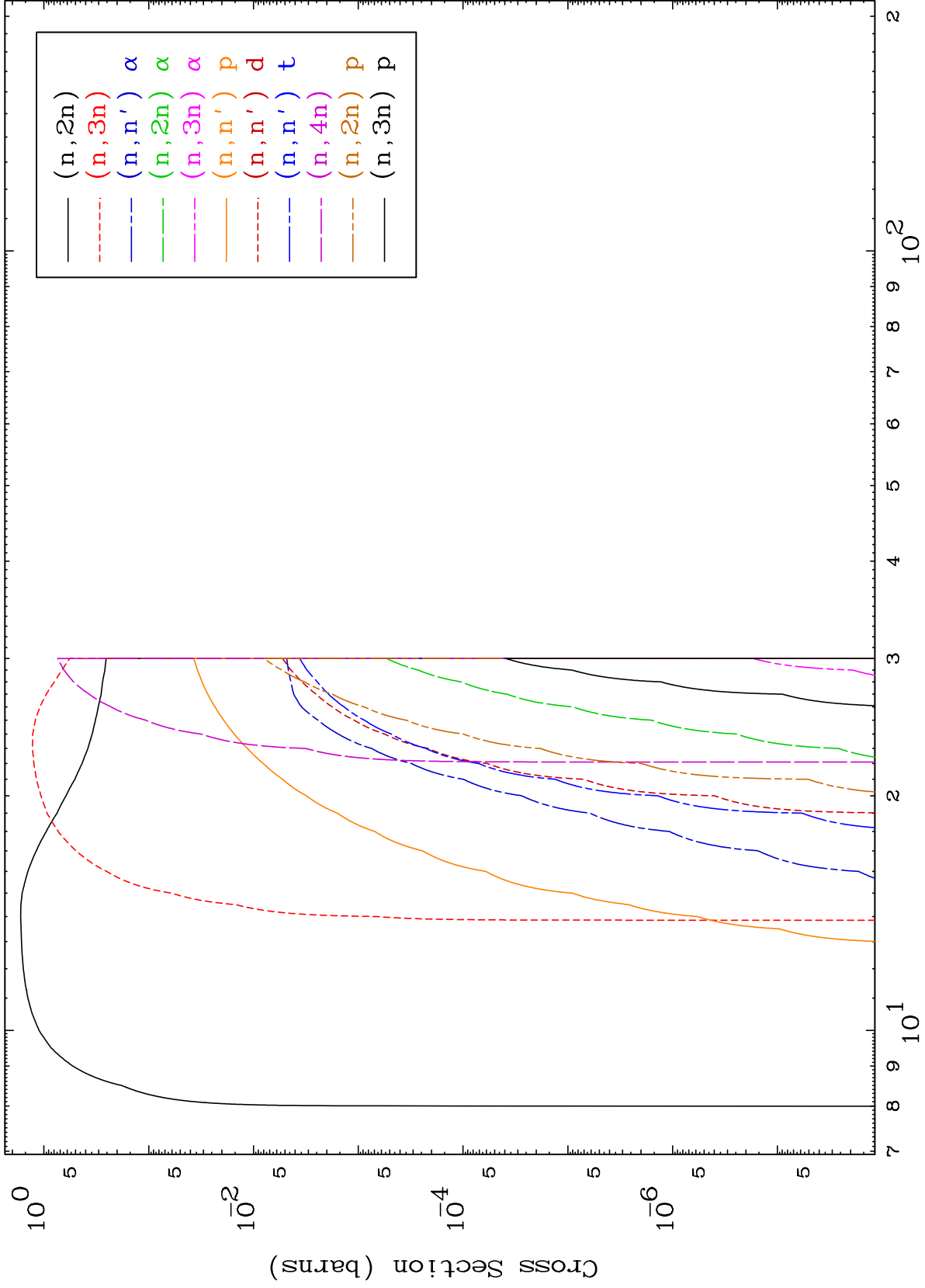
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

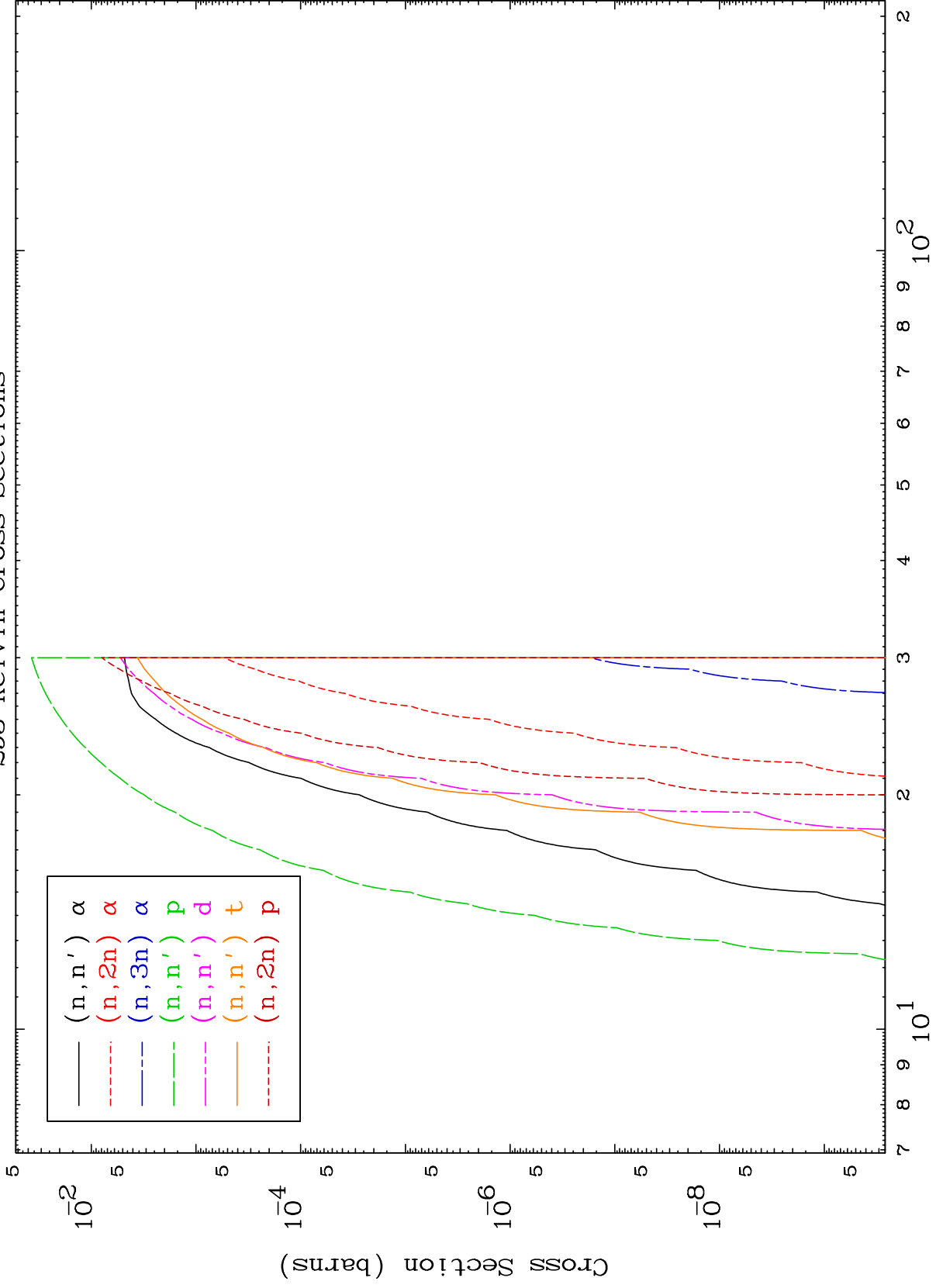
Tele: 925-443-1911

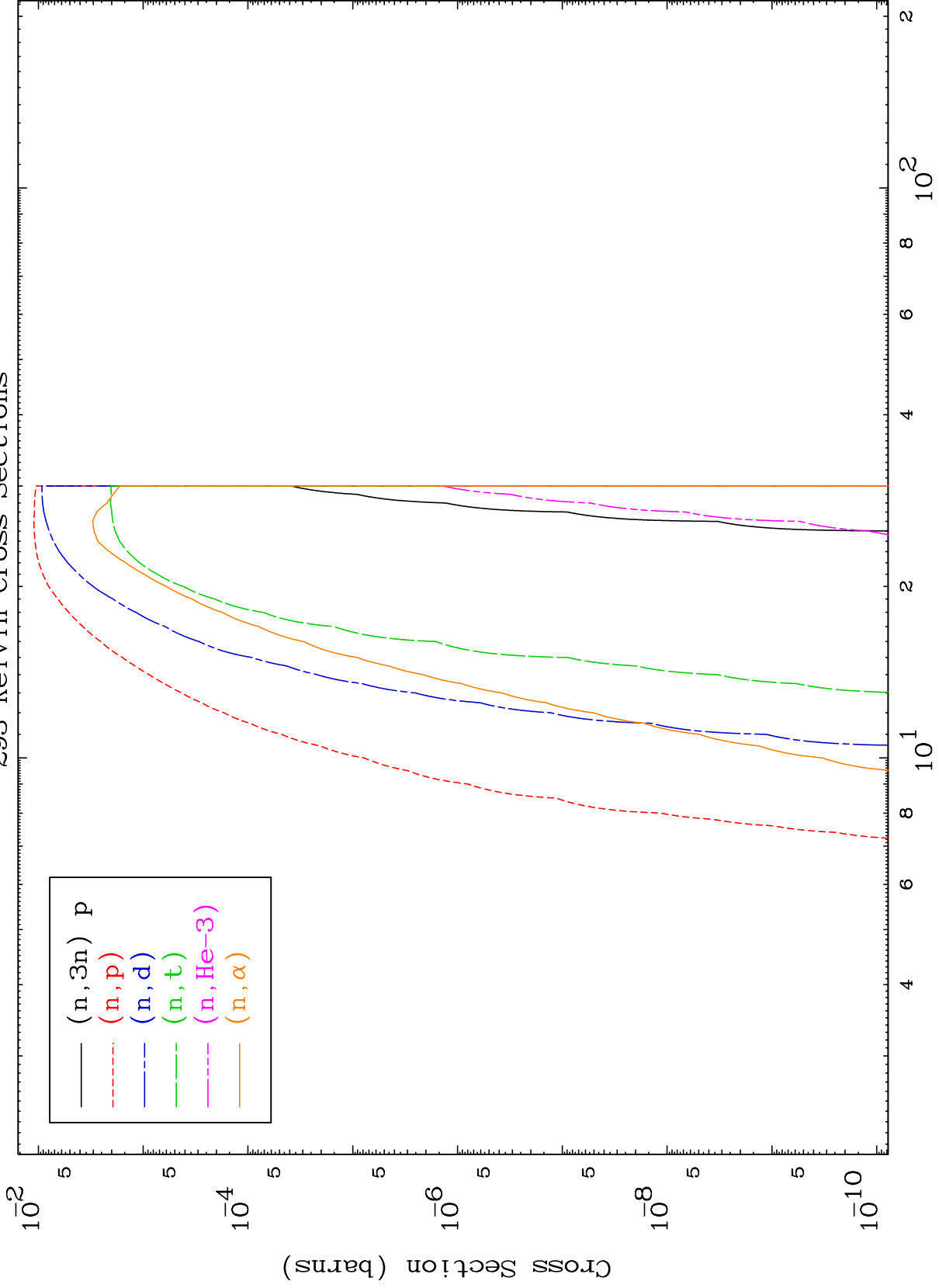
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

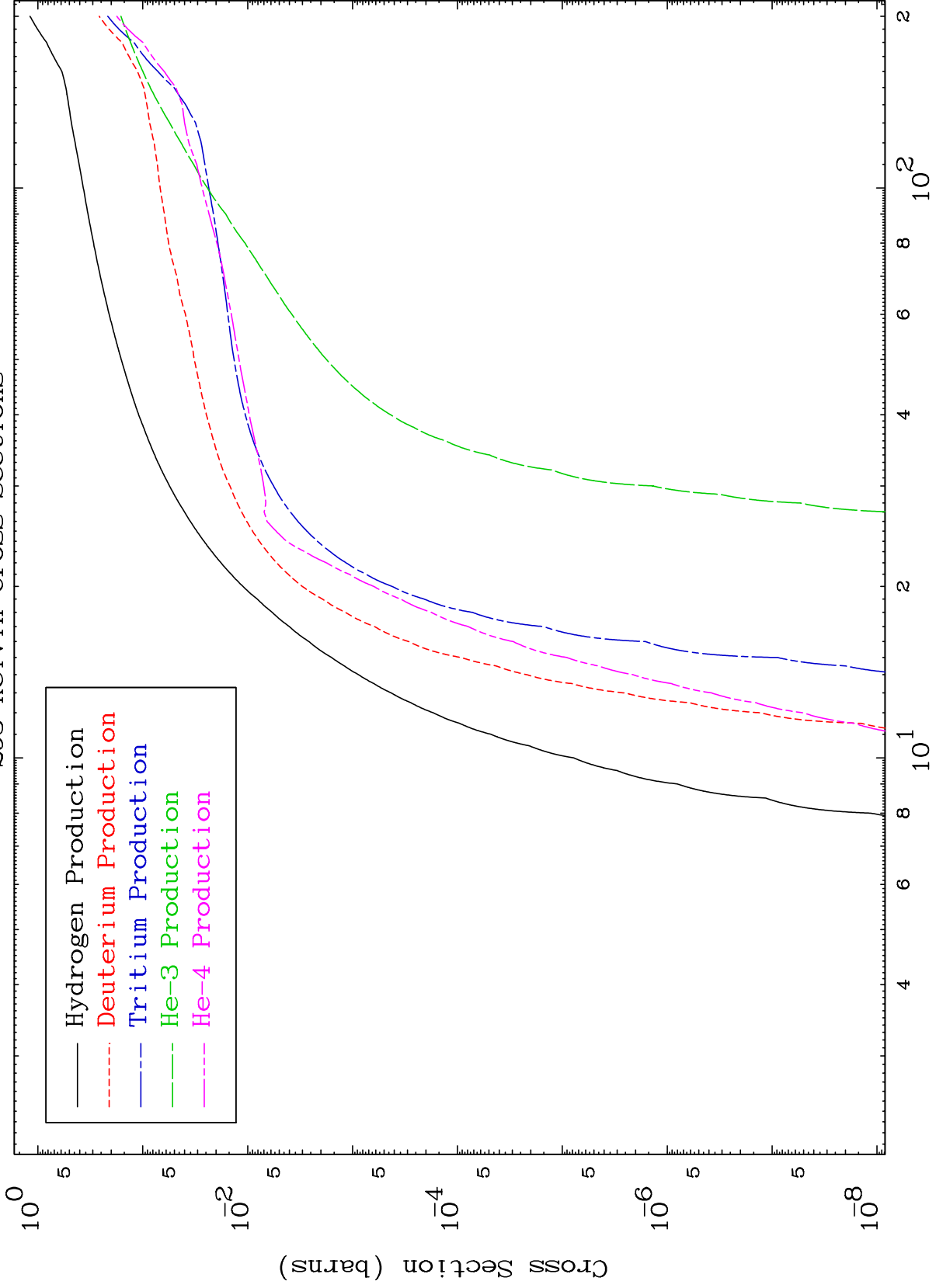
Press Mouse Button to Start









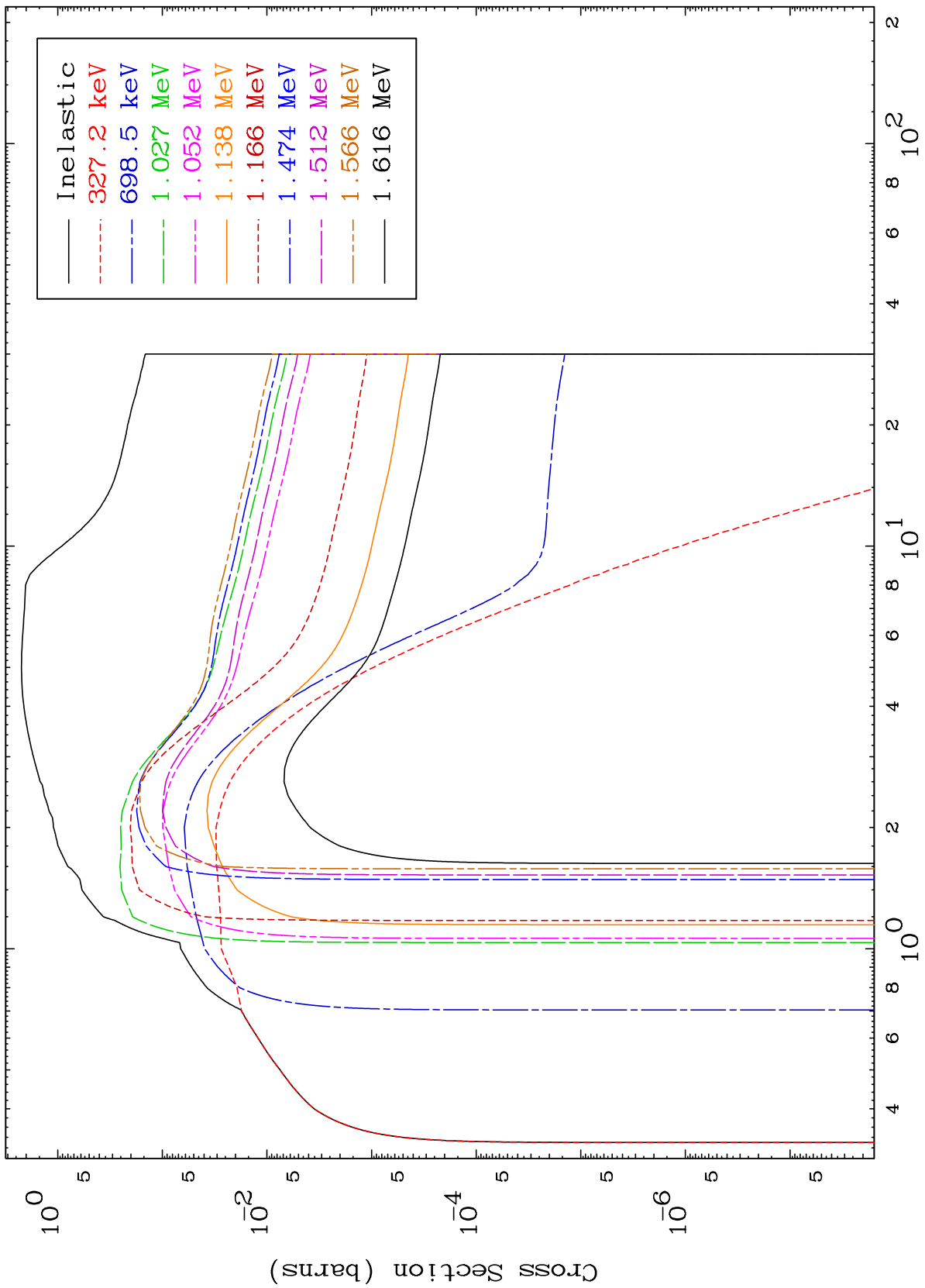


MAT 4955

(n,n') Level

49-In-123

293 Kelvin Cross Sections



6

Incident Energy (MeV)

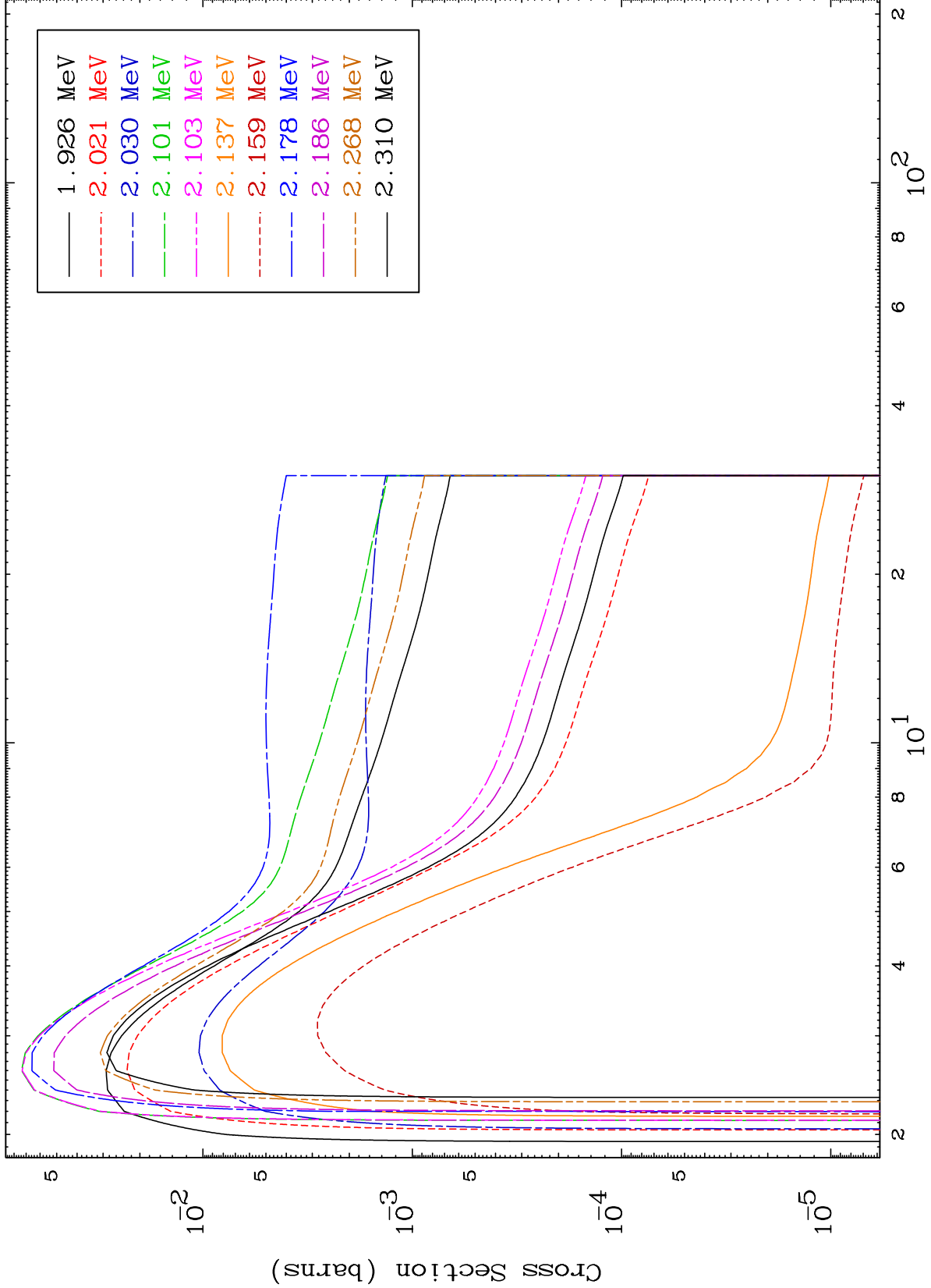
49-In-123

MAT 4955

(n,n') Level

49-In-123

293 Kelvin Cross Sections



7

Incident Energy (MeV)

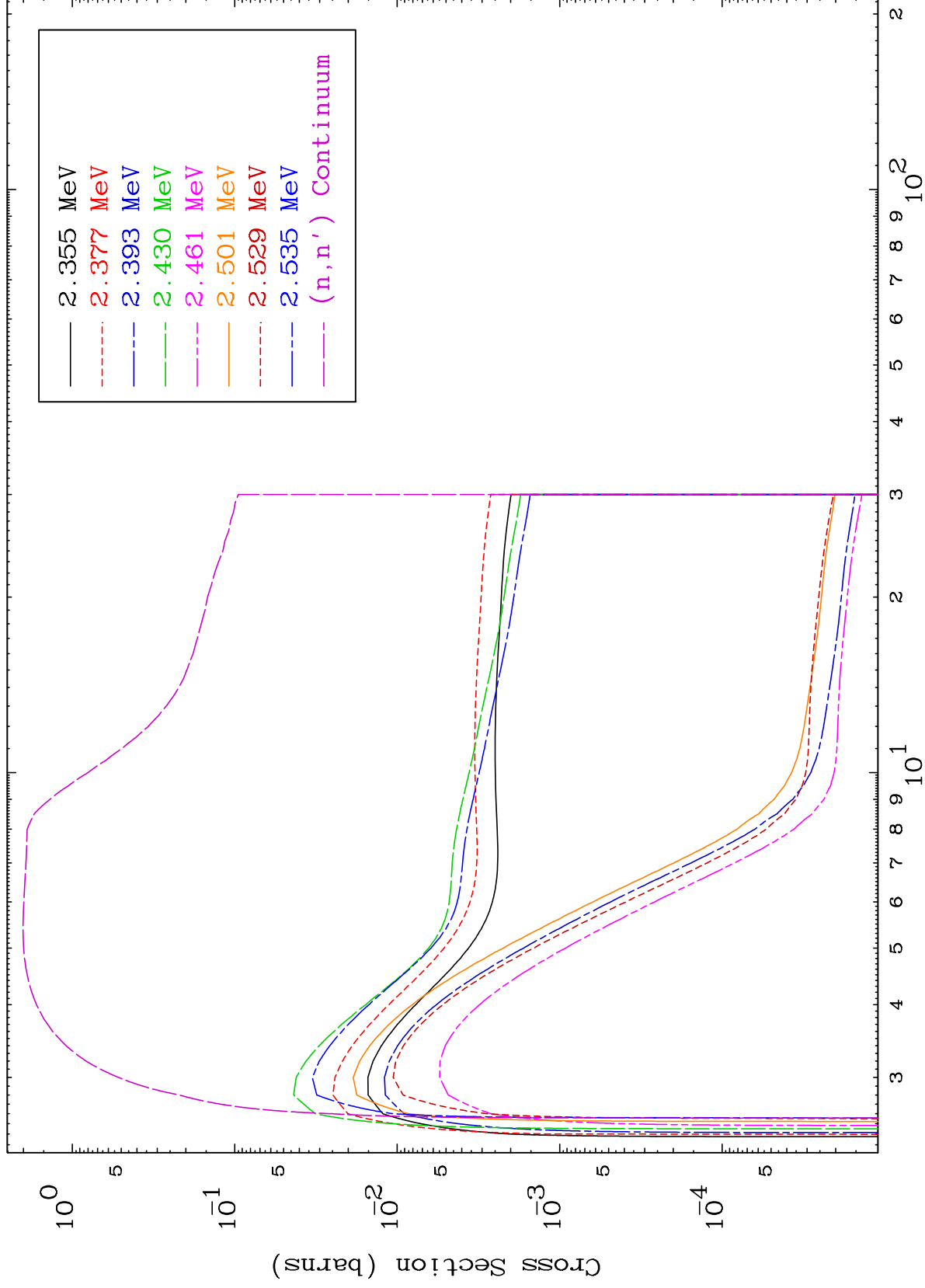
49-In-123

MAT 4955

(n,n') Level

293 Kelvin Cross Sections

49-In-123



8

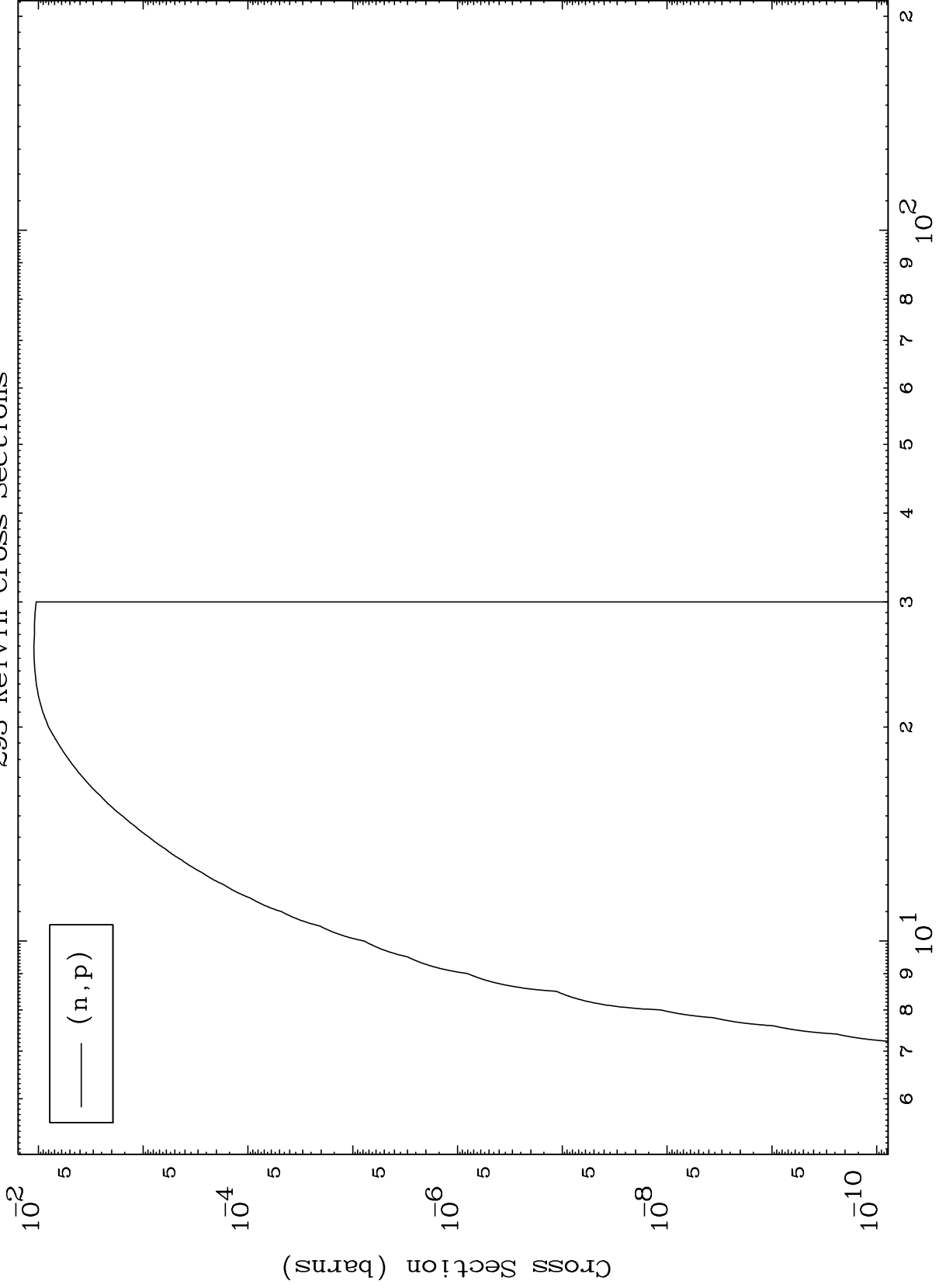
Incident Energy (MeV)

49-In-123

MAT 4955

(n,p) Levels
293 Kelvin Cross Sections

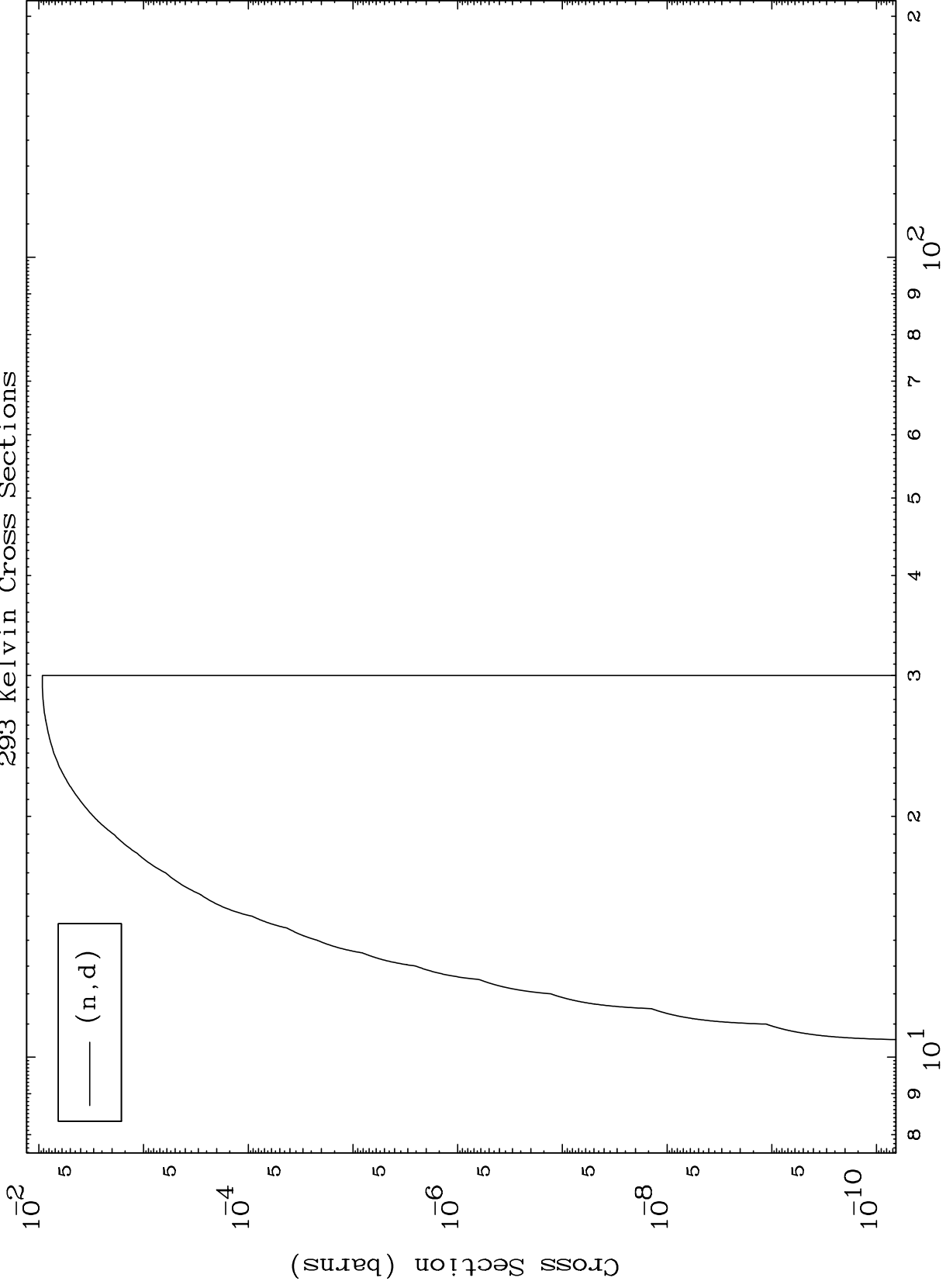
49-In-123



MAT 4955

(n,d) Levels
293 Kelvin Cross Sections

49-In-123



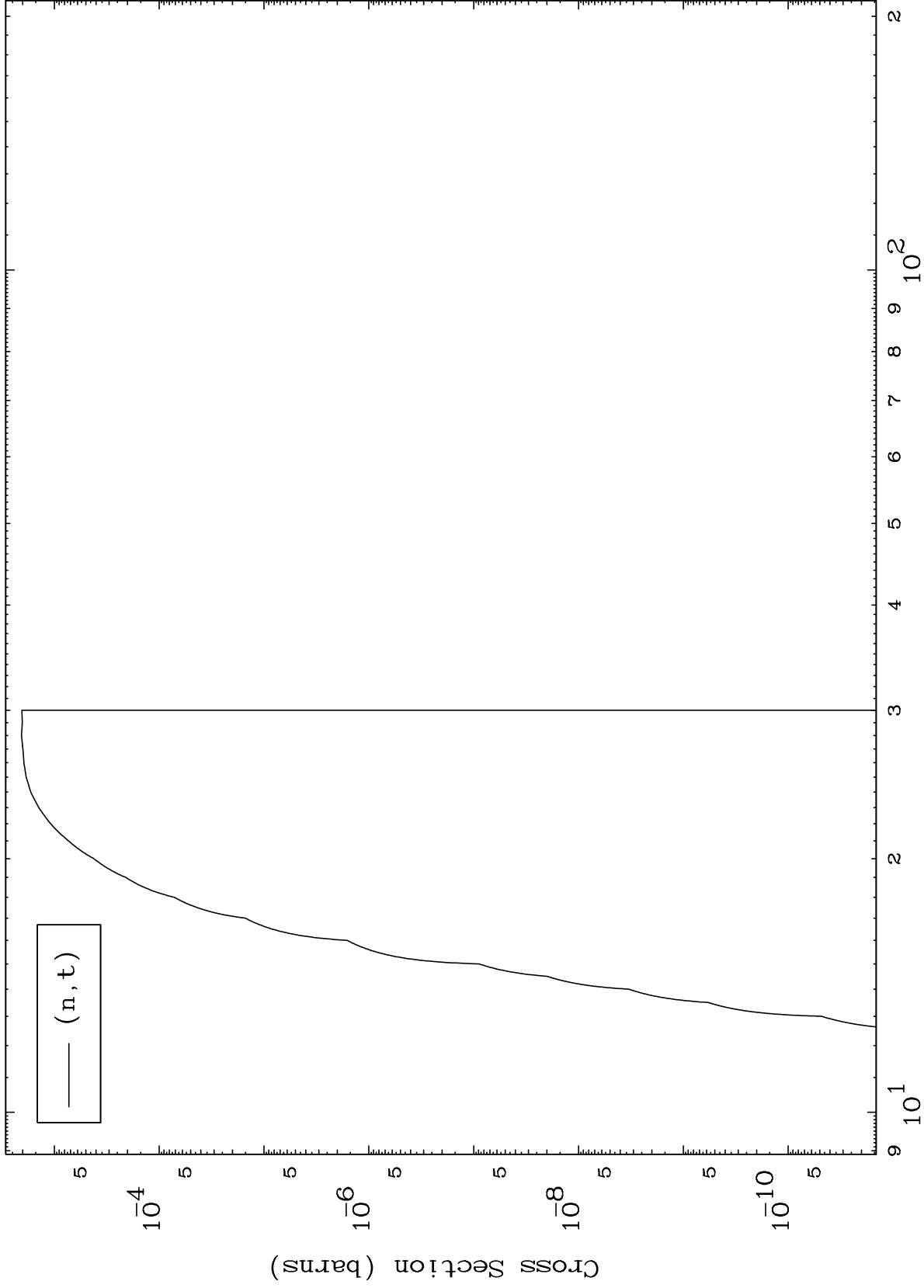
Incident Energy (MeV)

49-In-123

MAT 4955

(n,t) Levels
293 Kelvin Cross Sections

49-In-123



11

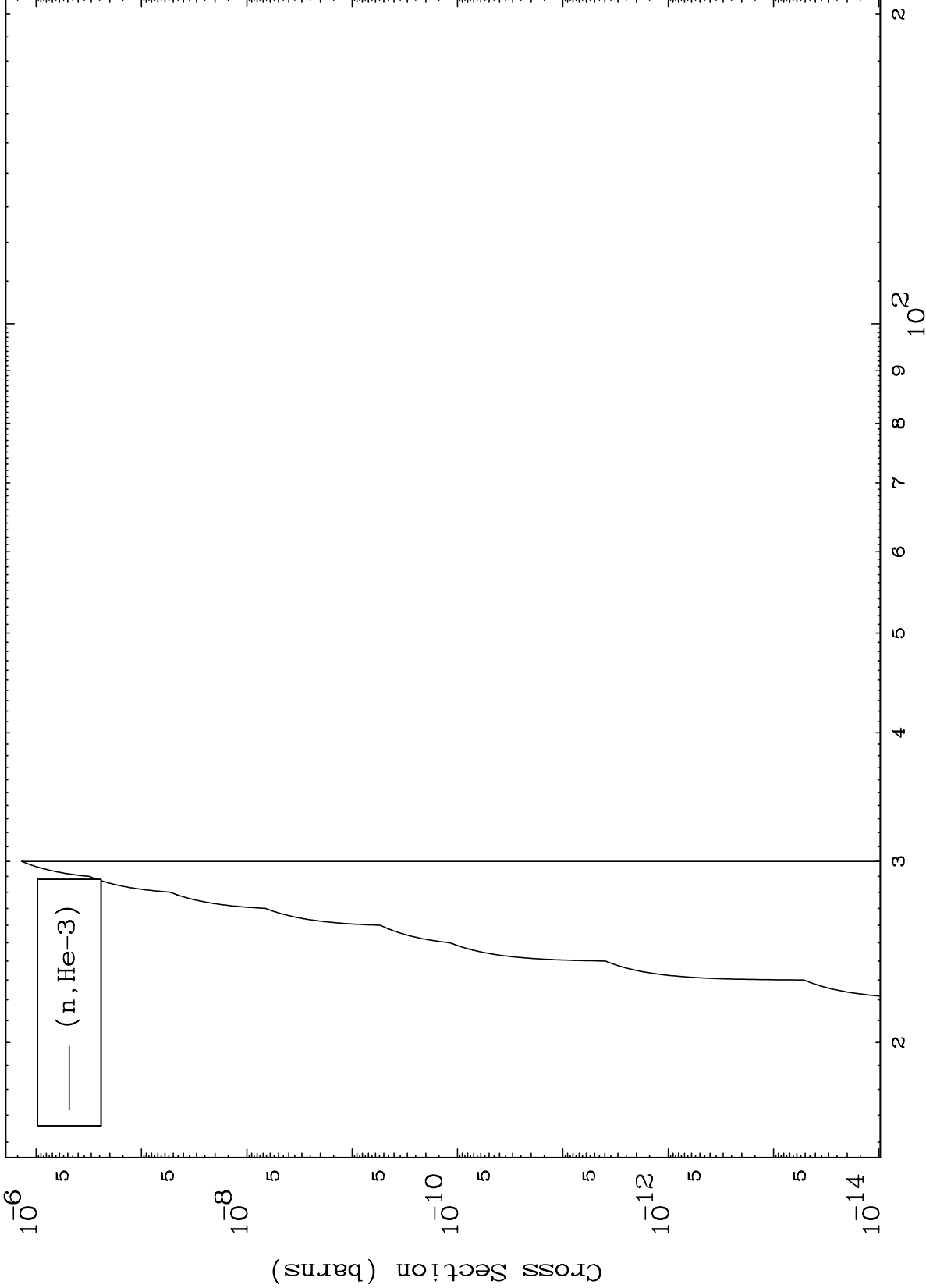
Incident Energy (MeV)

49-In-123

MAT 4955

(n,He3) Levels
293 Kelvin Cross Sections

49-In-123



12

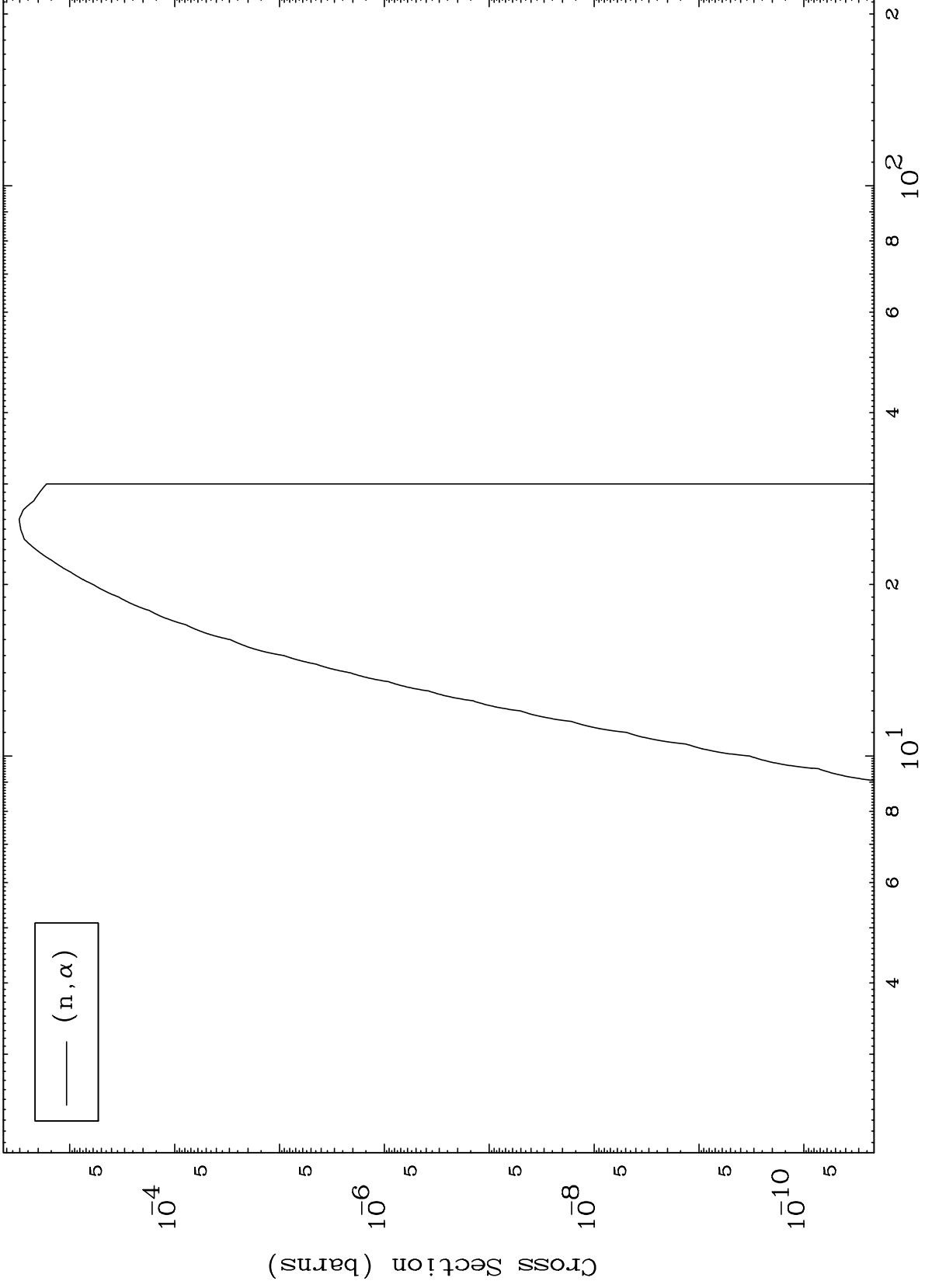
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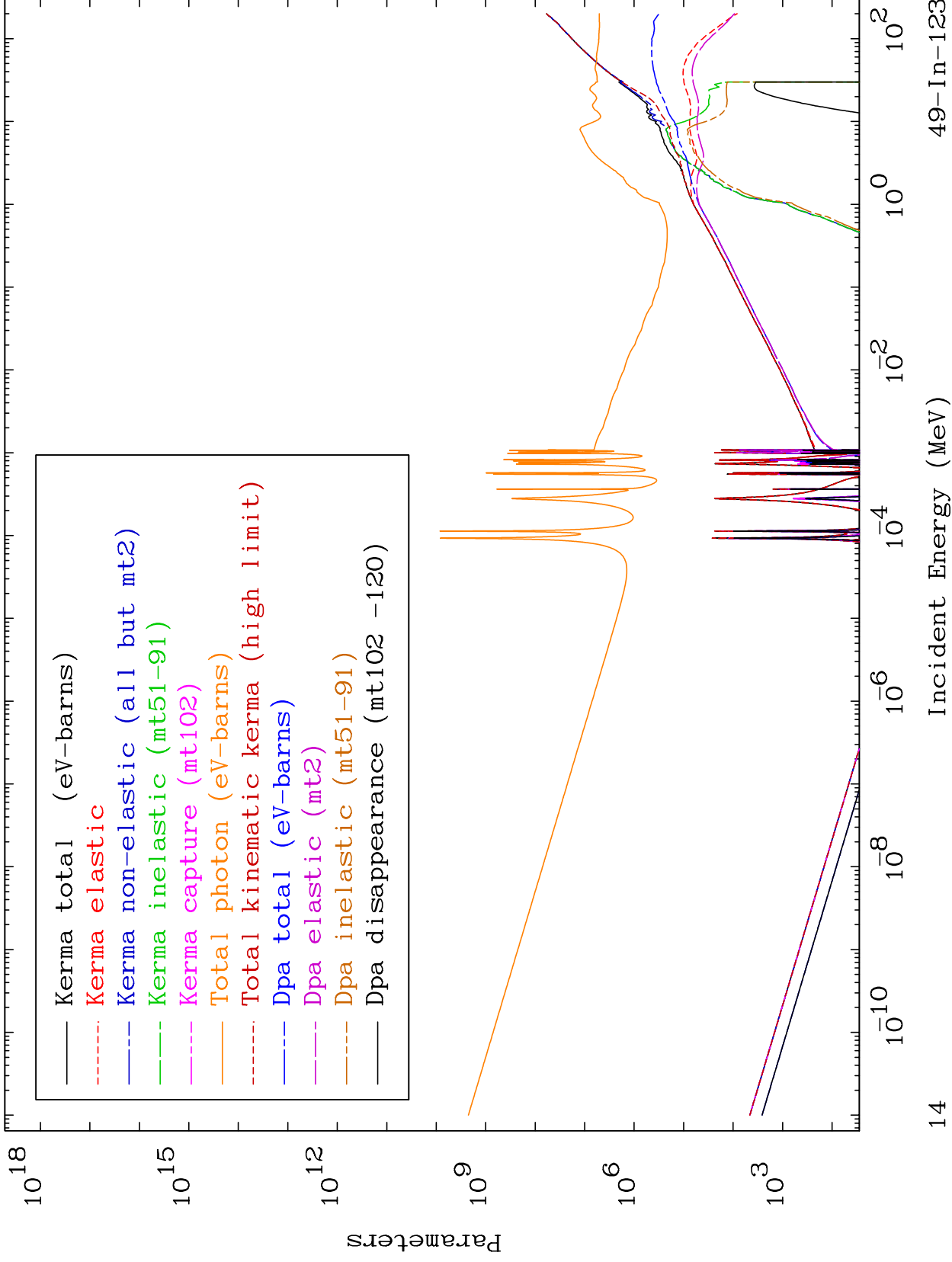
49-In-123

MAT 4955

(n, α) Levels
293 Kelvin Cross Sections

49-In-123

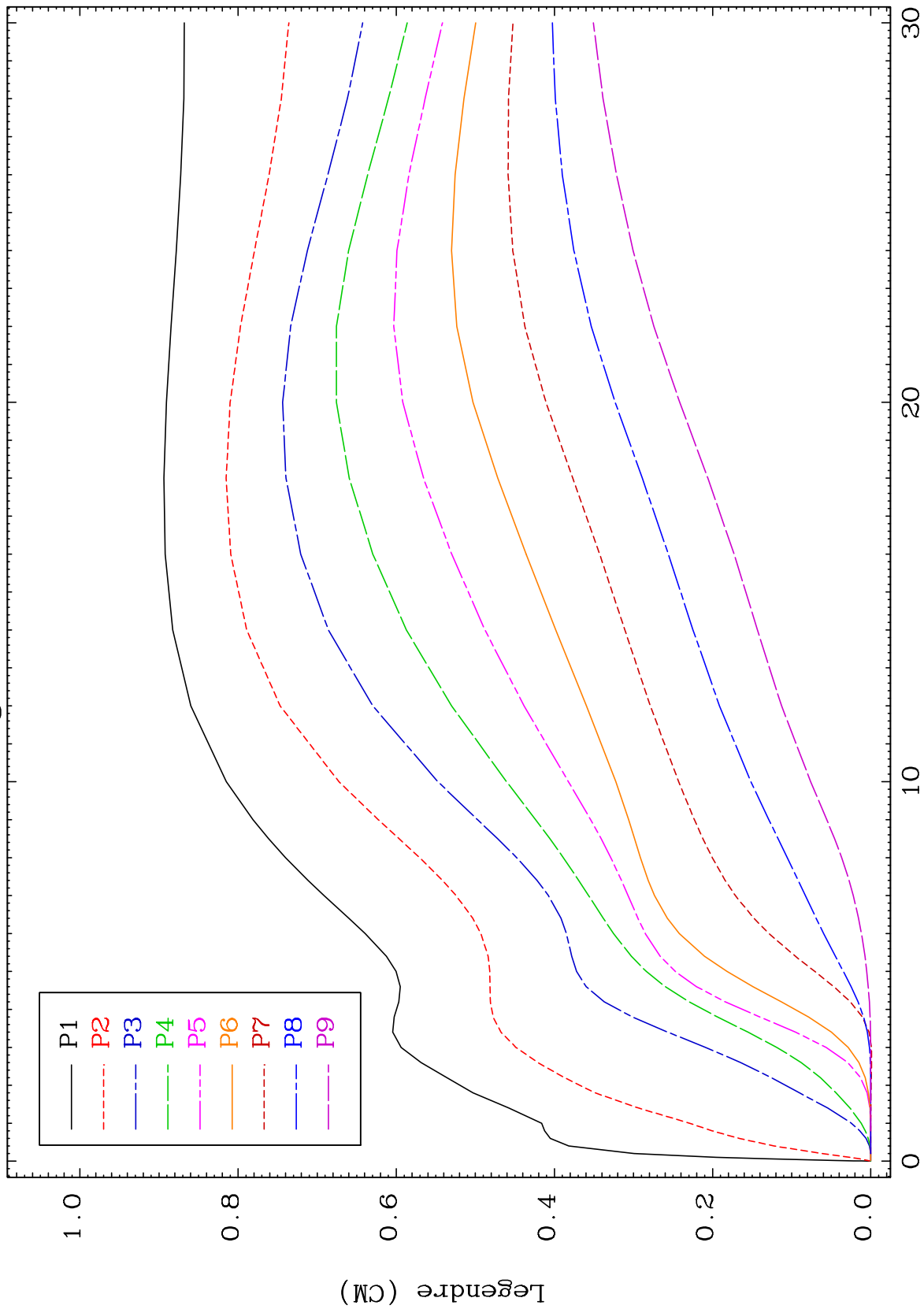




MAT 4955

Elastic Legendre Coefficients

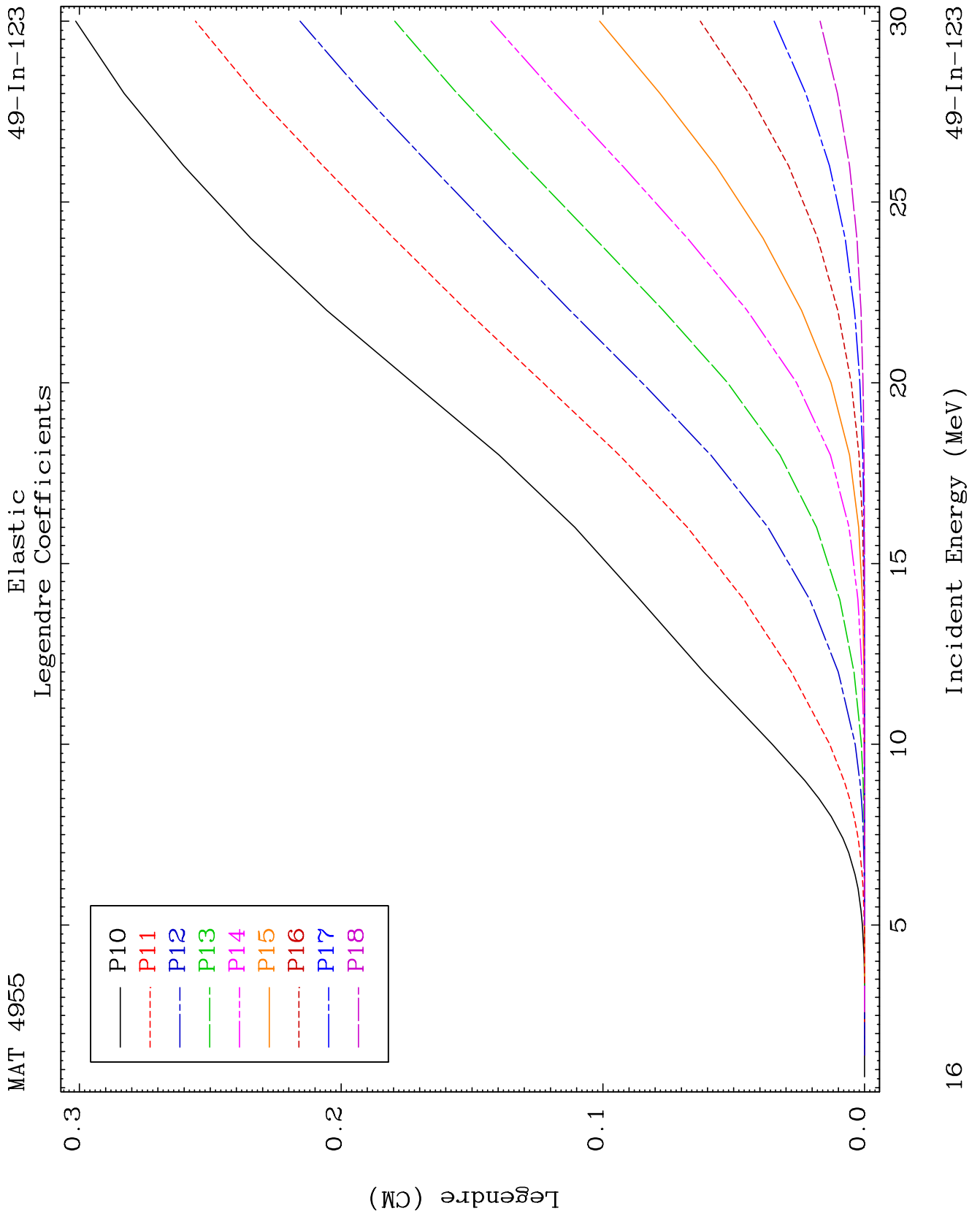
49-In-123



15

Incident Energy (MeV)

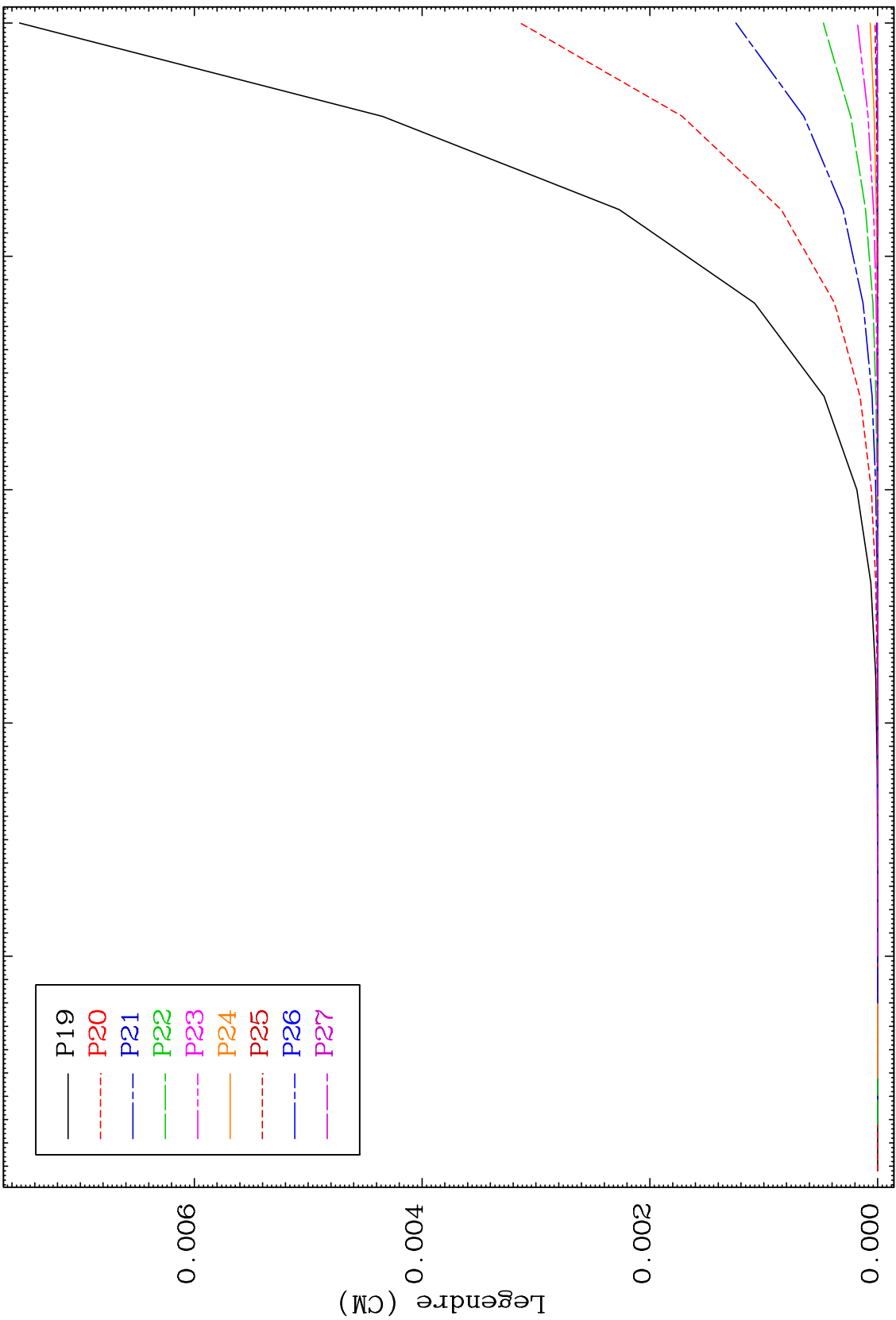
49-In-123



MAT 4955

Elastic Legendre Coefficients

49-In-123



- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

17

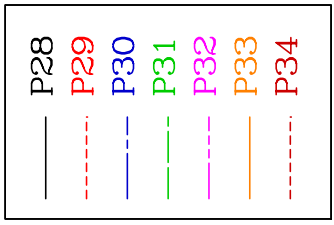
Incident Energy (MeV)

49-In-123

MAT 4955

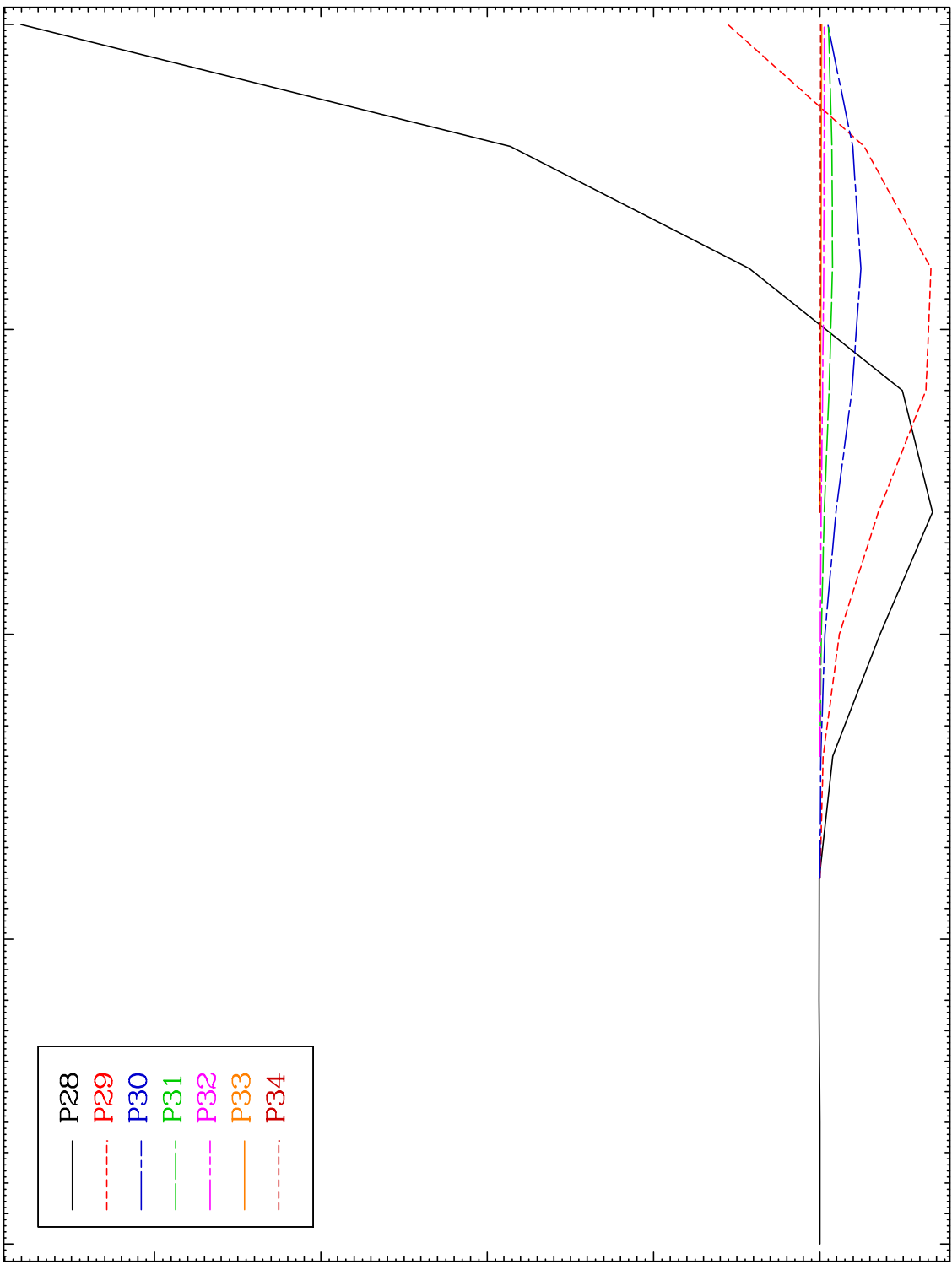
Elastic Legendre Coefficients

49-In-123



$\times 10^{-7}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

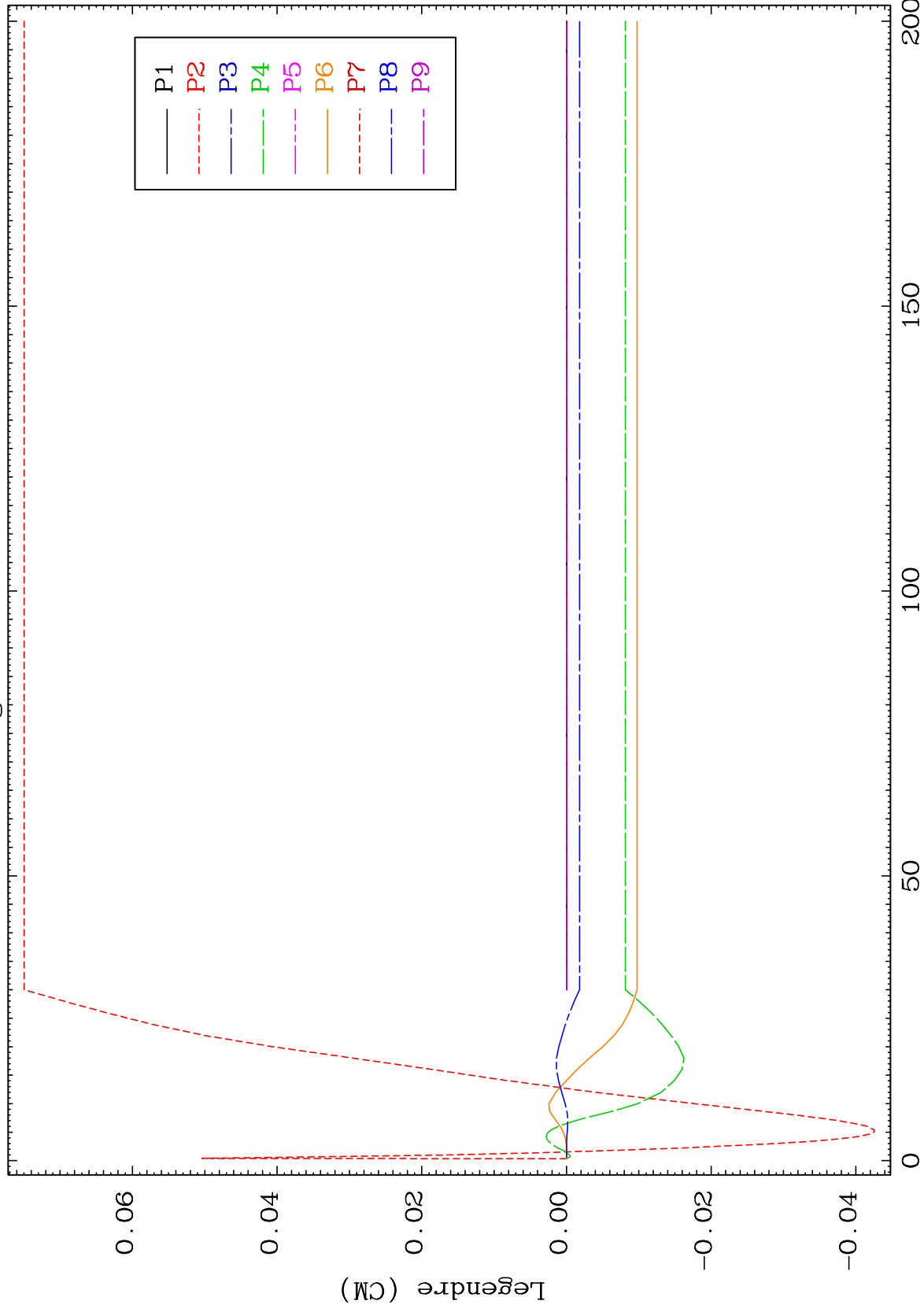
49-In-123

18

MAT 4955

327.2 keV (n,n') Level
Legendre Coefficients

49-In-123



19

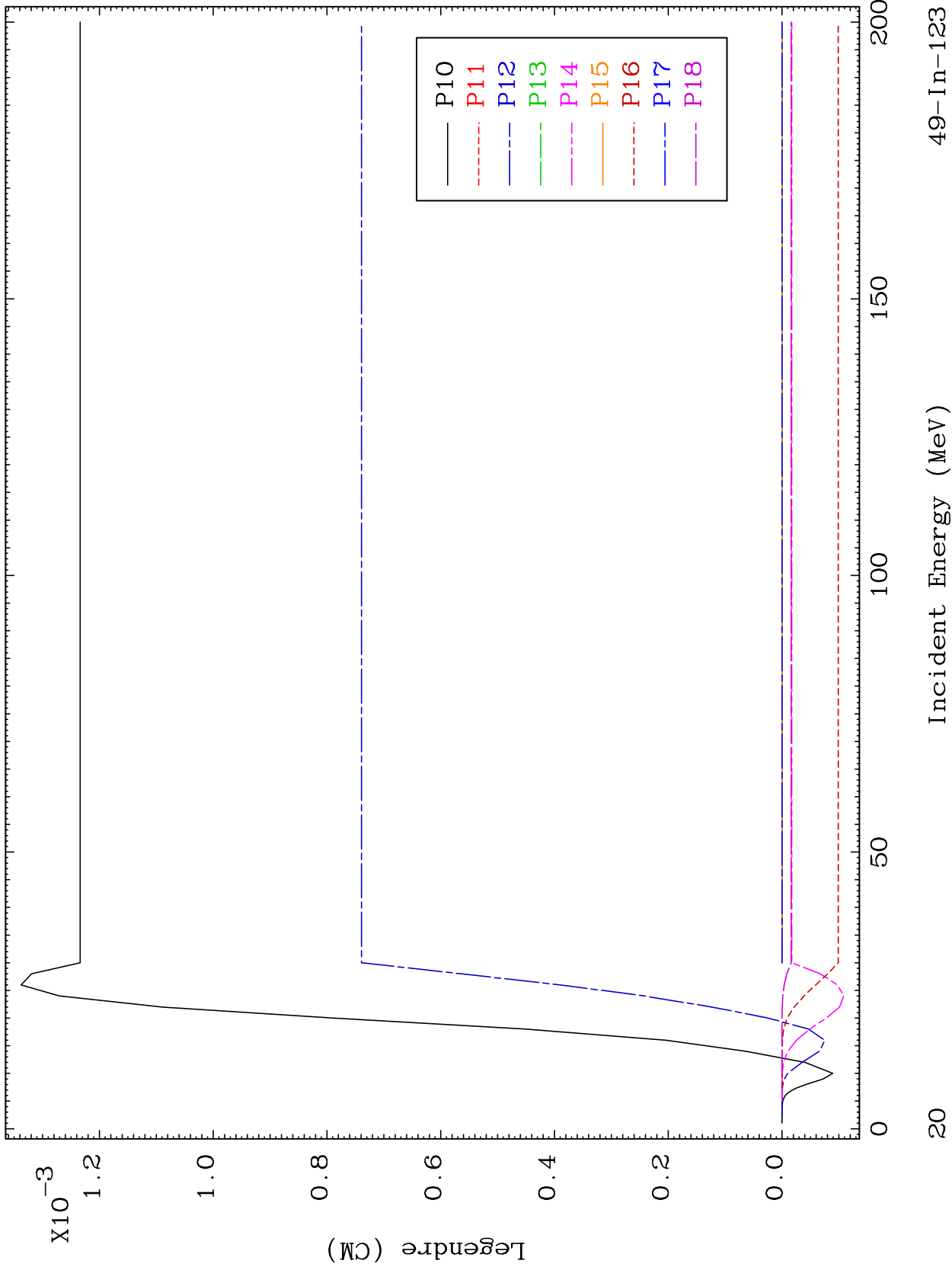
Incident Energy (MeV)

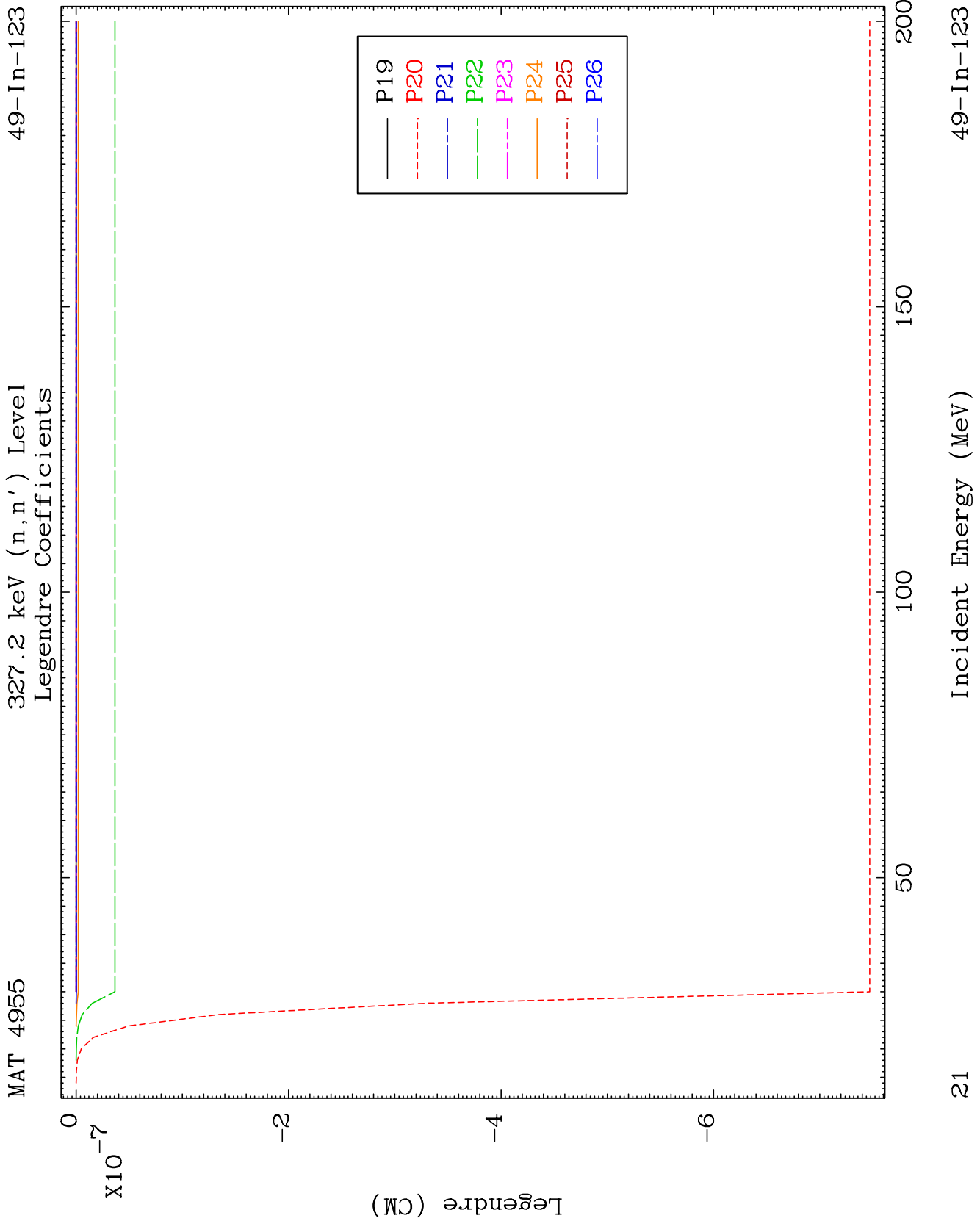
49-In-123

MAT 4955

327.2 keV (n,n') Level
Legendre Coefficients

49-In-123

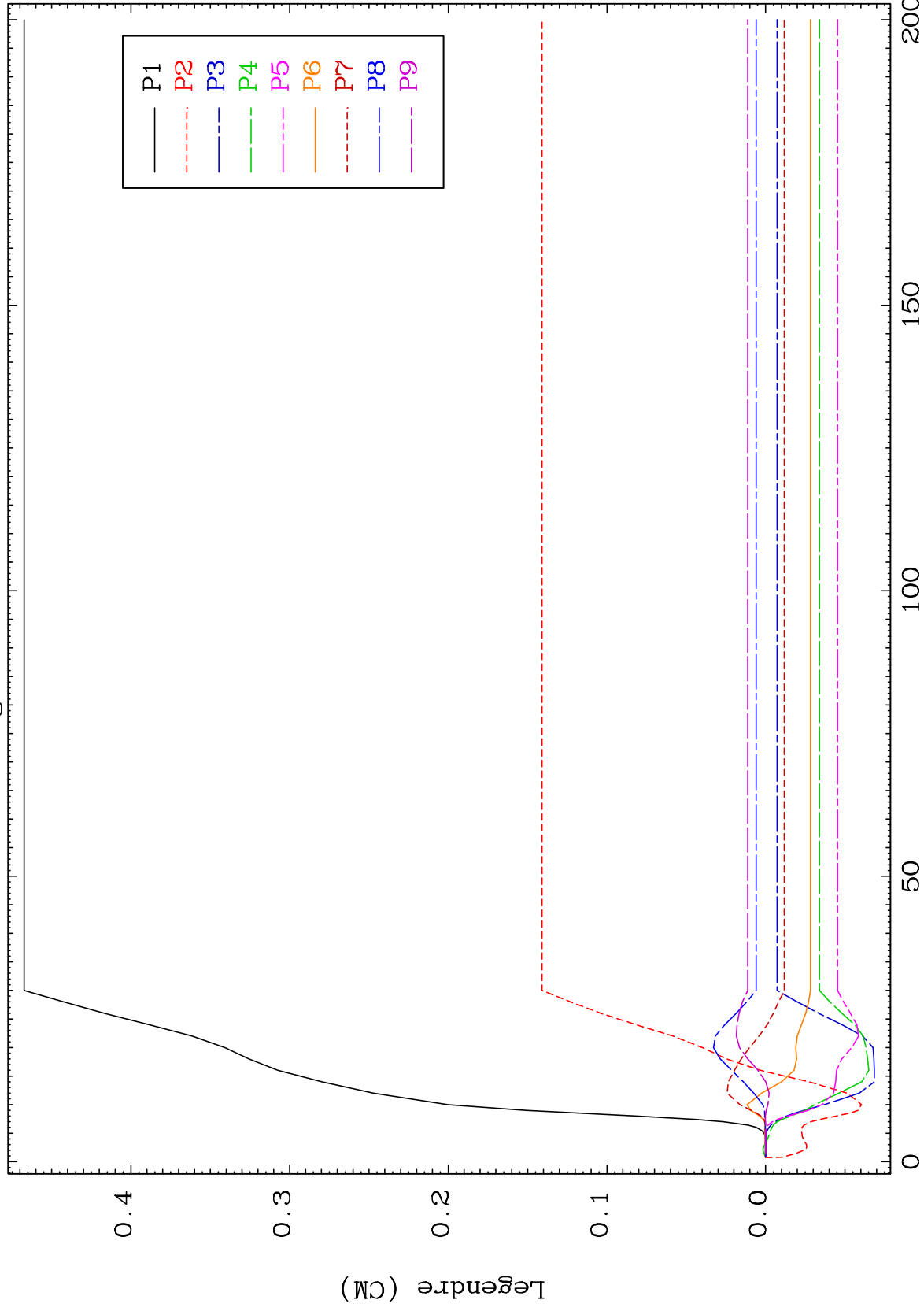




MAT 4955

698.5 keV (n,n') Level
Legendre Coefficients

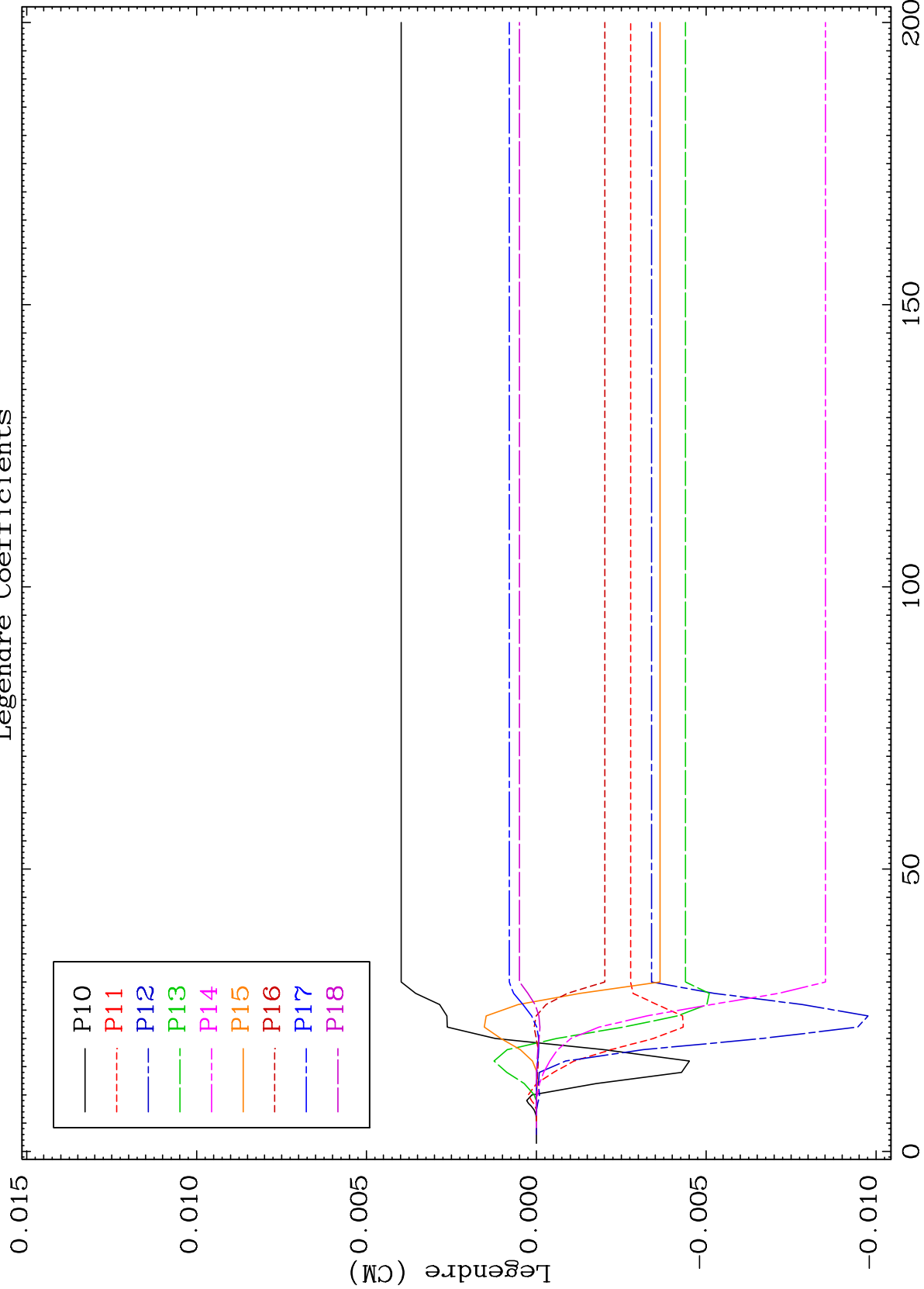
49-In-123

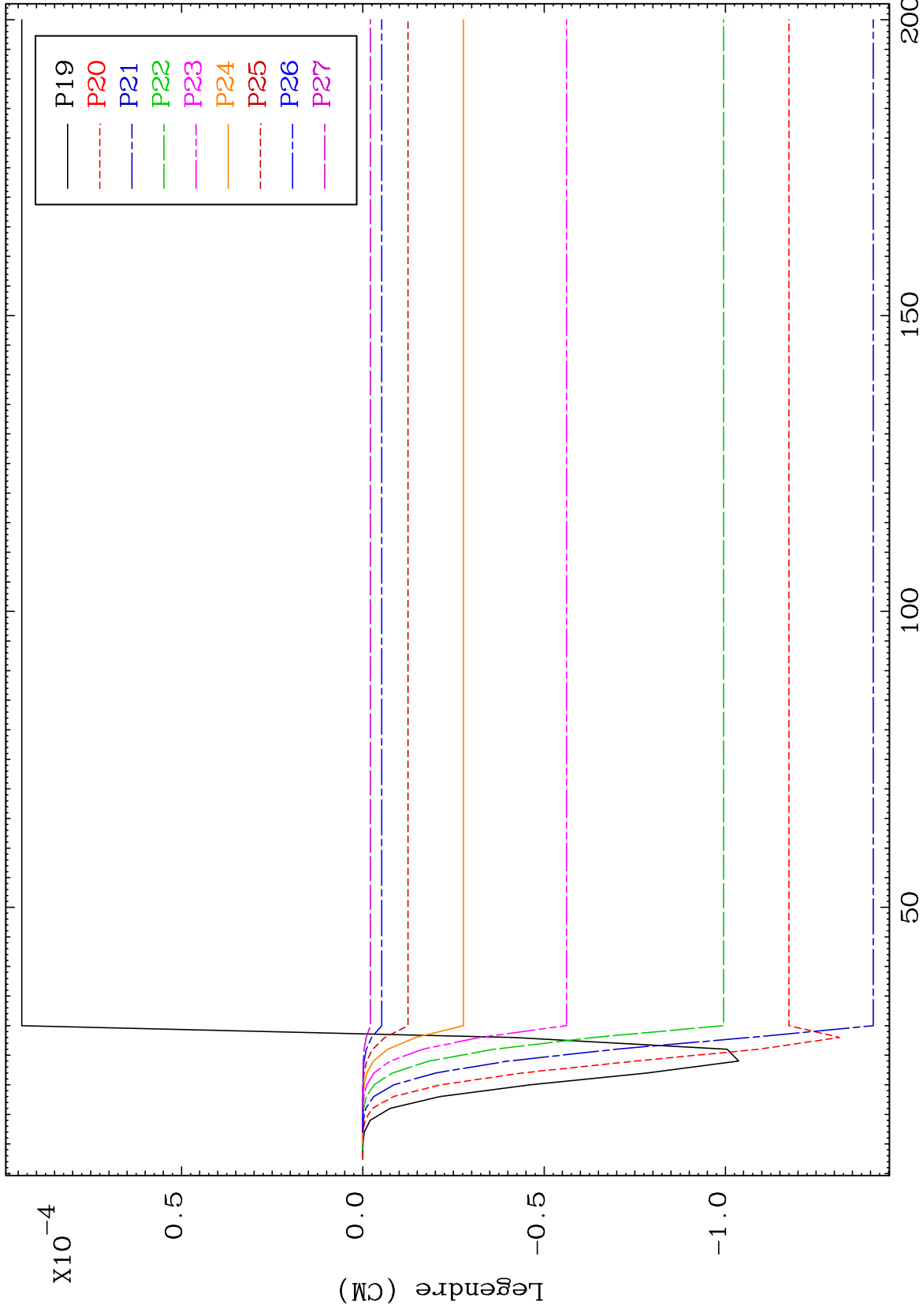


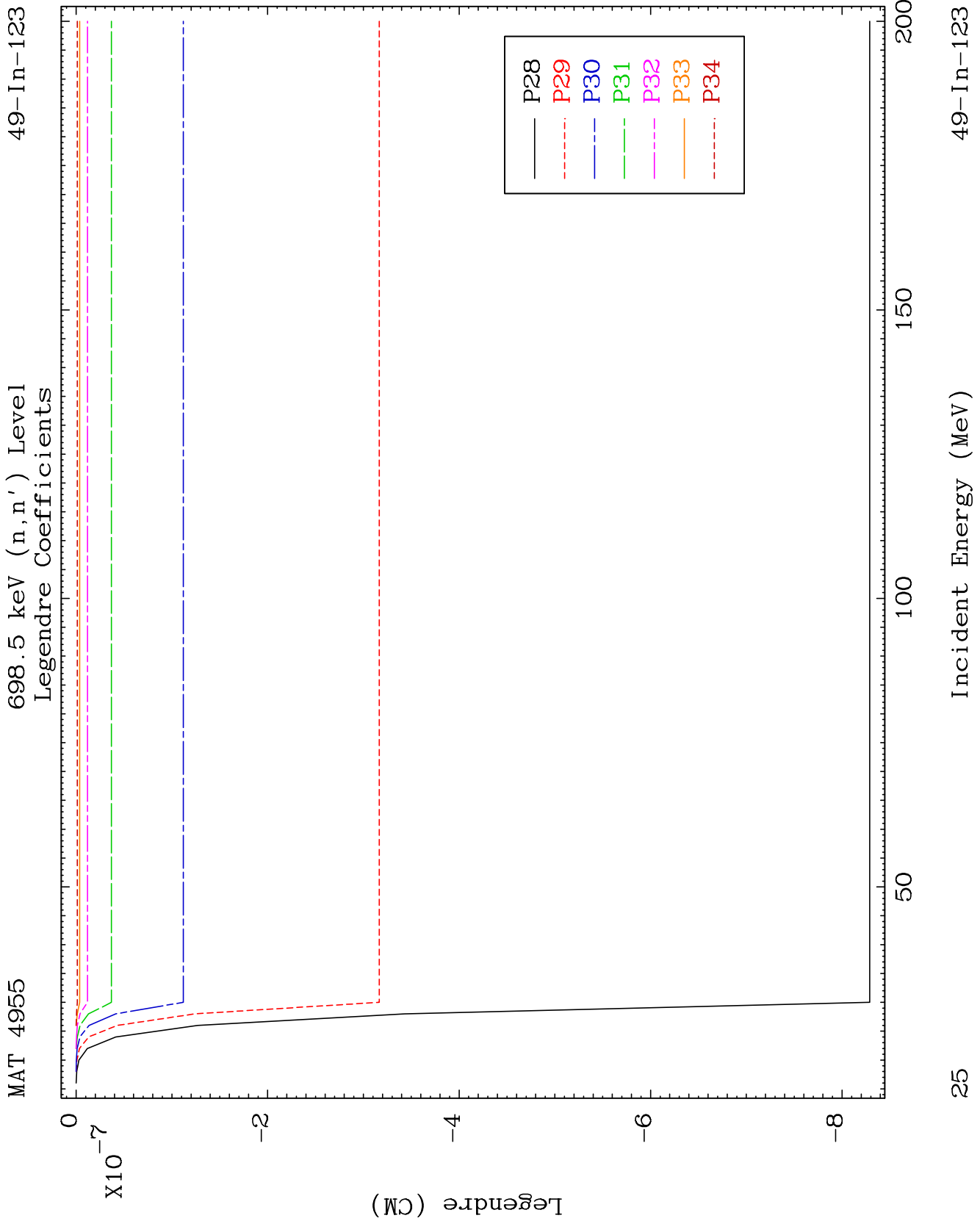
22

Incident Energy (MeV)

49-In-123



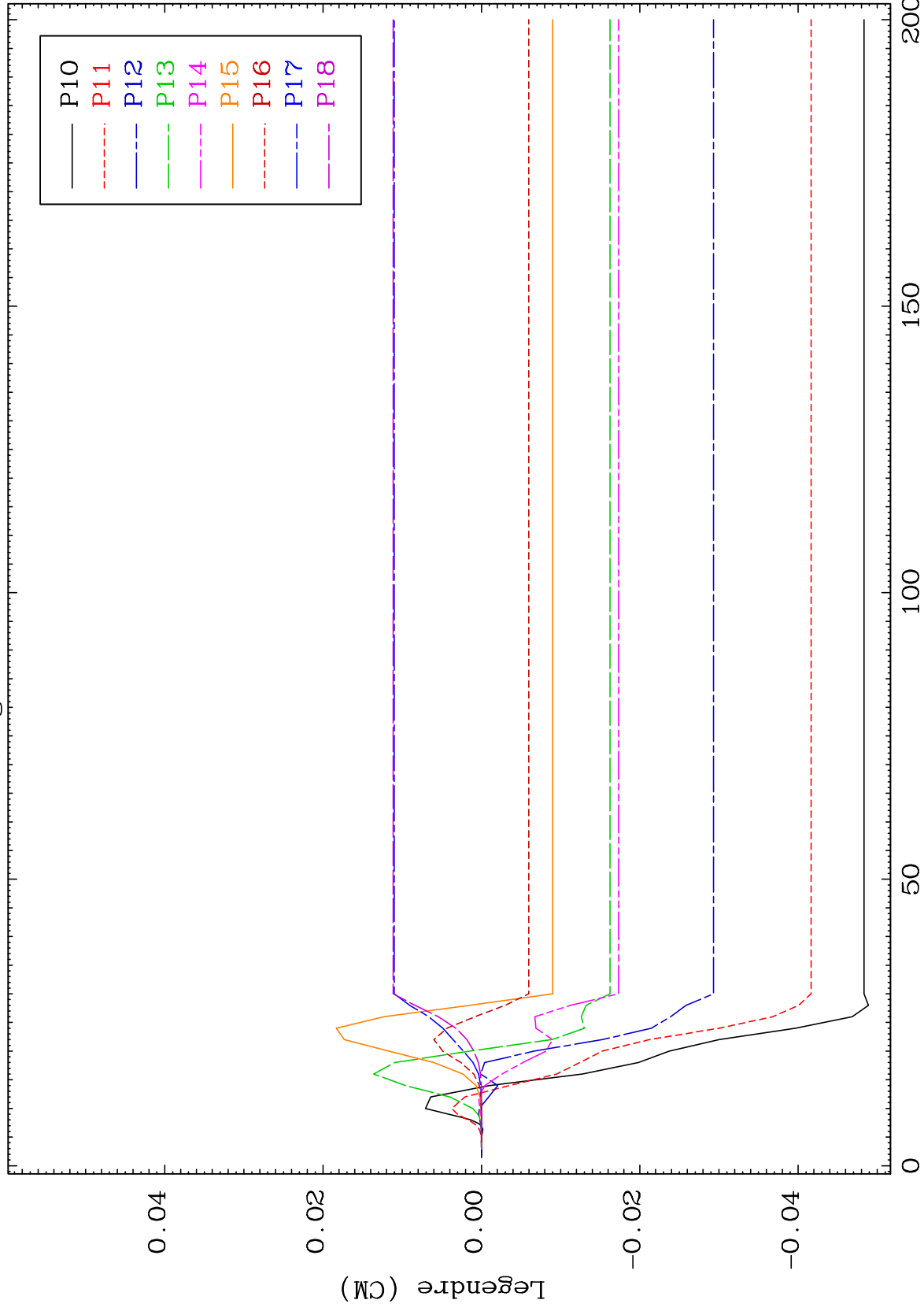




MAT 4955

1.027 MeV (n,n') Level
Legendre Coefficients

49-In-123



27

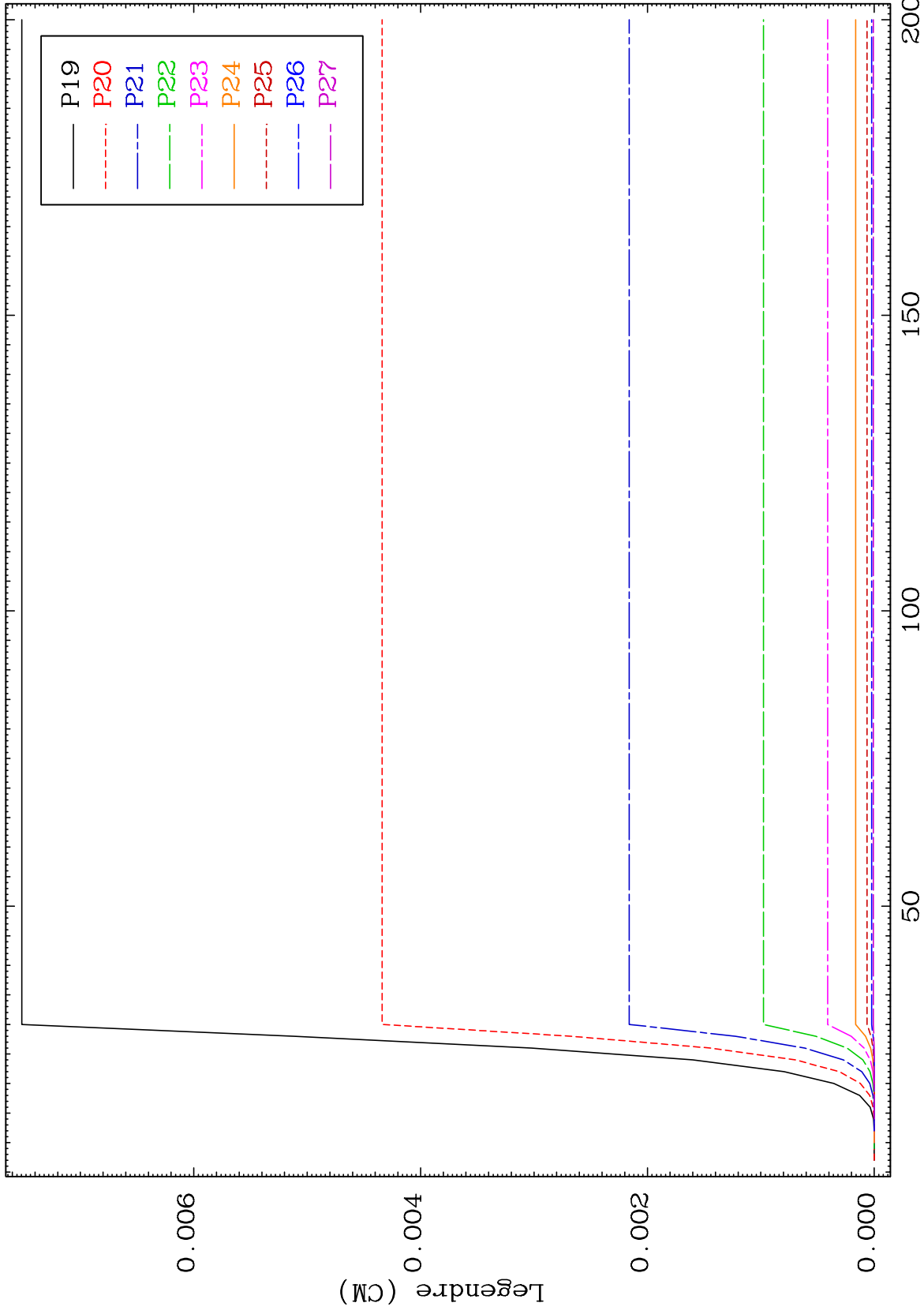
Incident Energy (MeV)

49-In-123

MAT 4955

1.027 MeV (n,n') Level
Legendre Coefficients

49-In-123



28

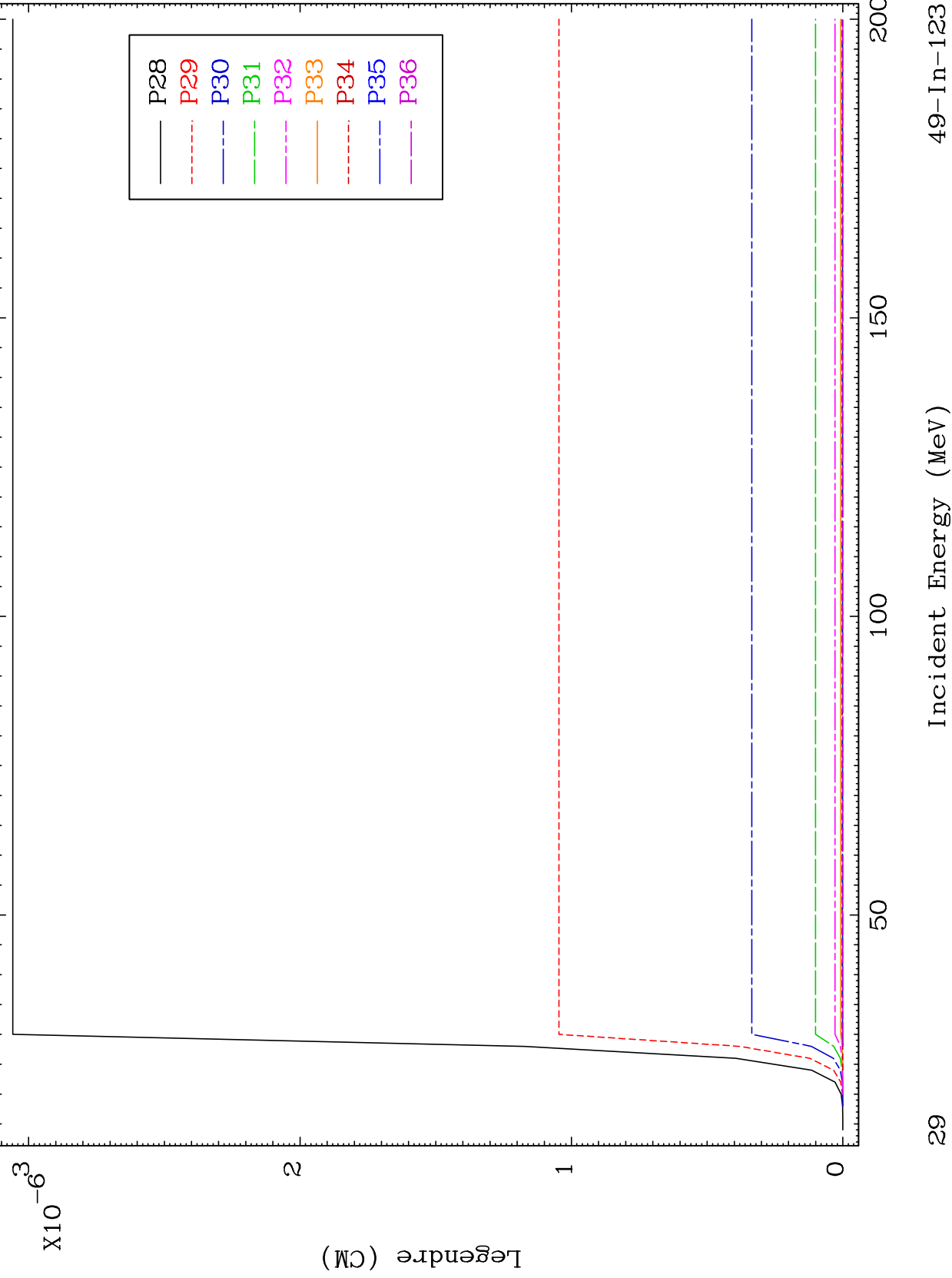
Incident Energy (MeV)

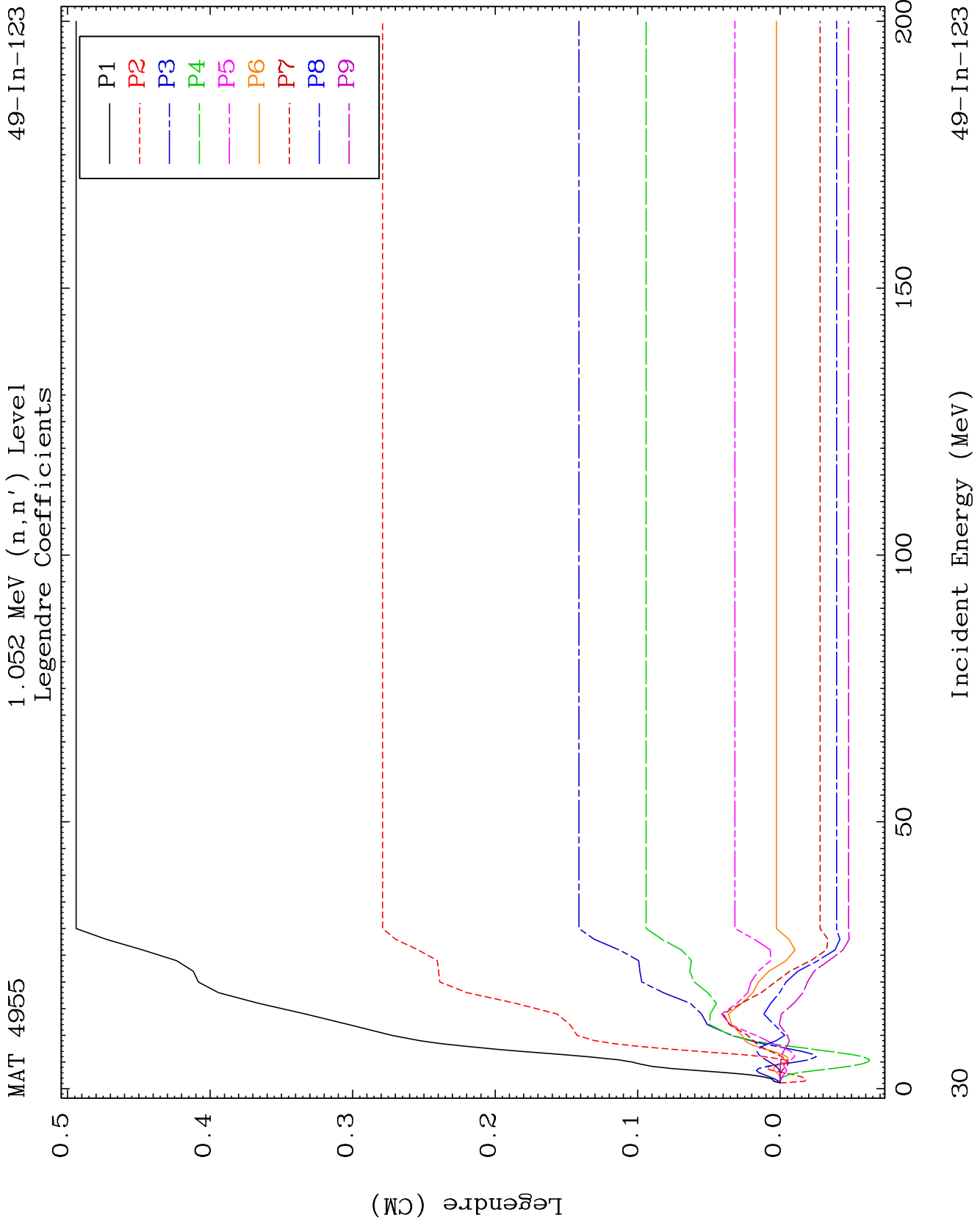
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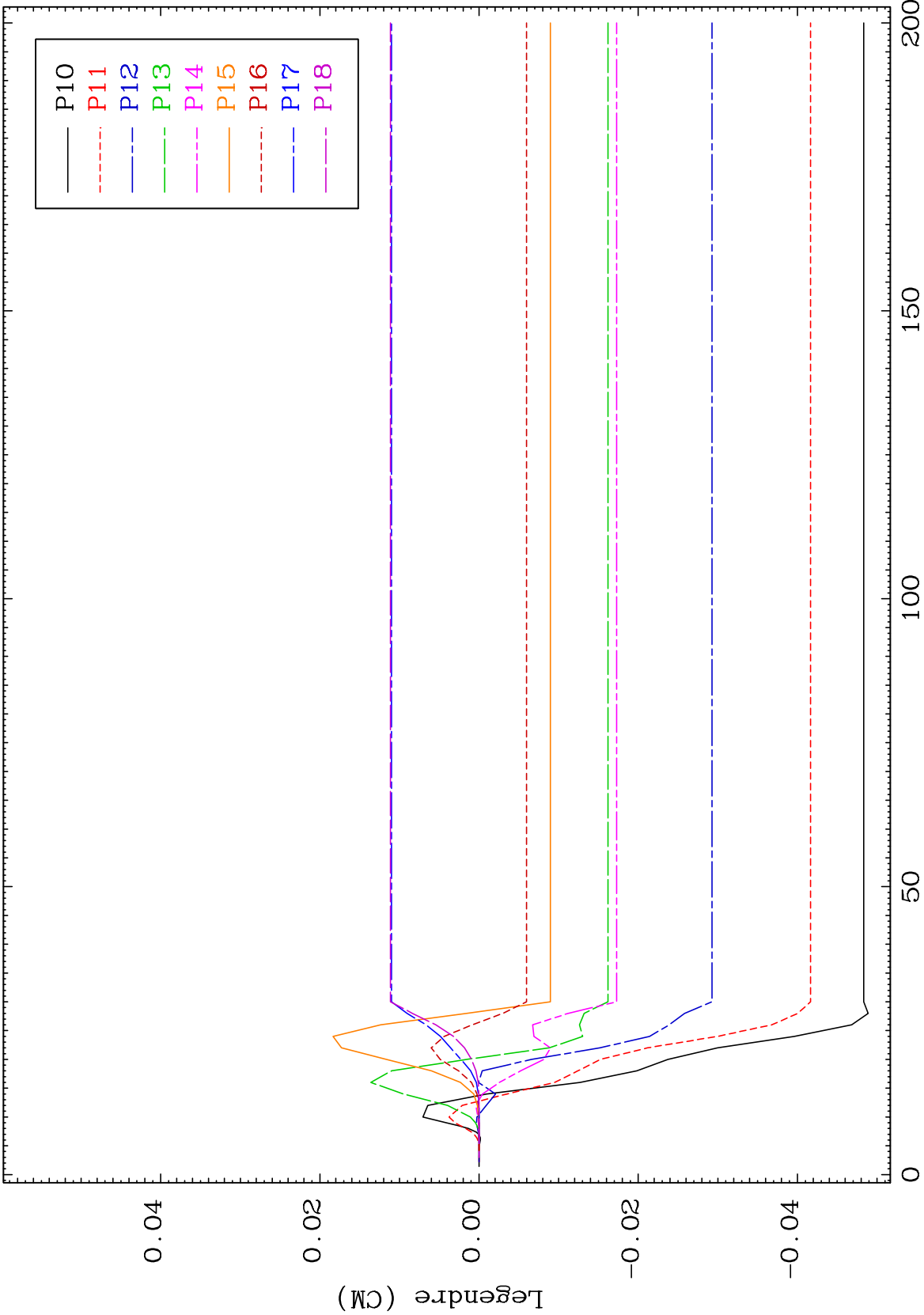
MAT 4955

1.027 MeV (n,n') Level
Legendre Coefficients

49-In-123



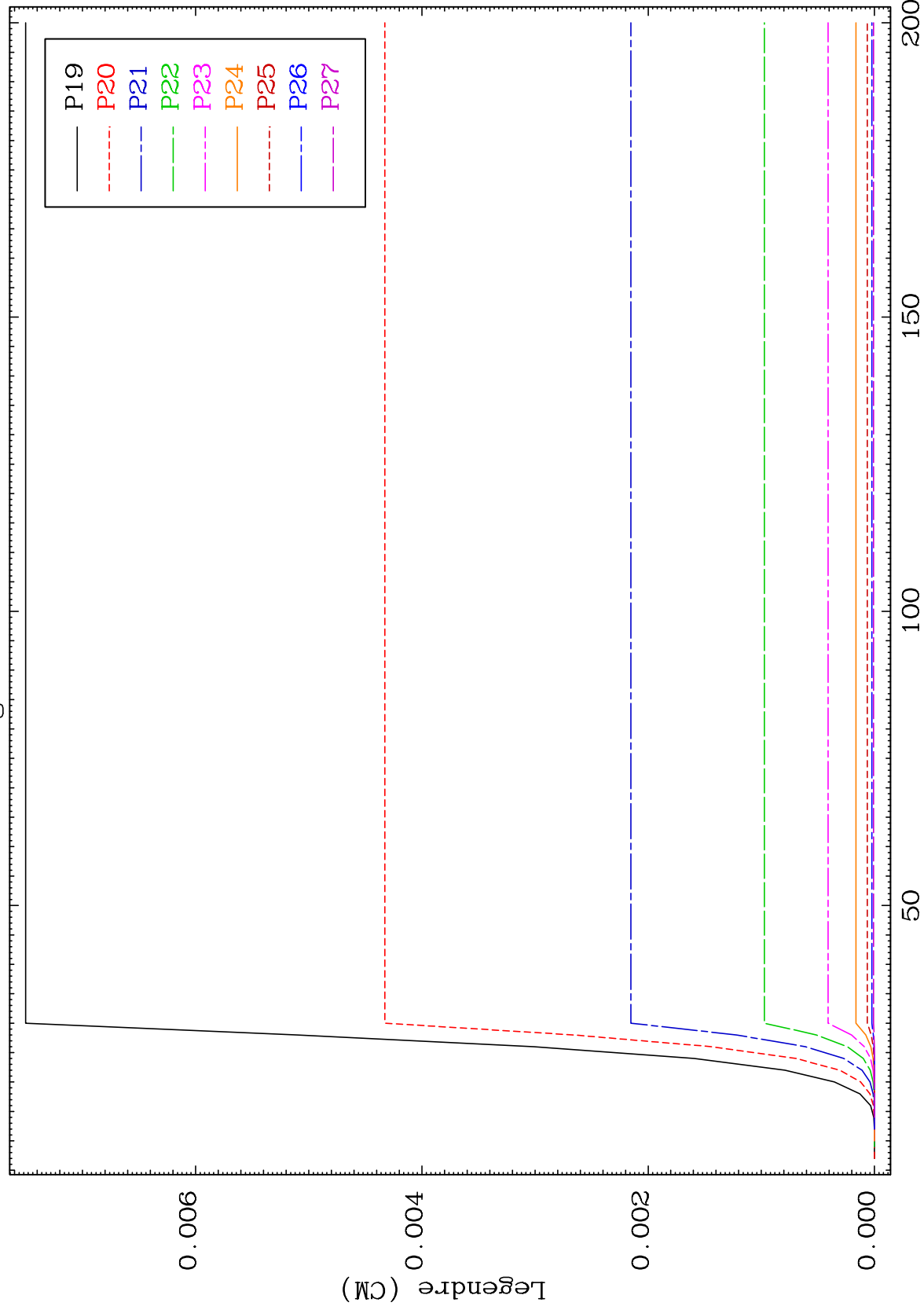




MAT 4955

1.052 MeV (n,n') Level Legendre Coefficients

49-In-123



32

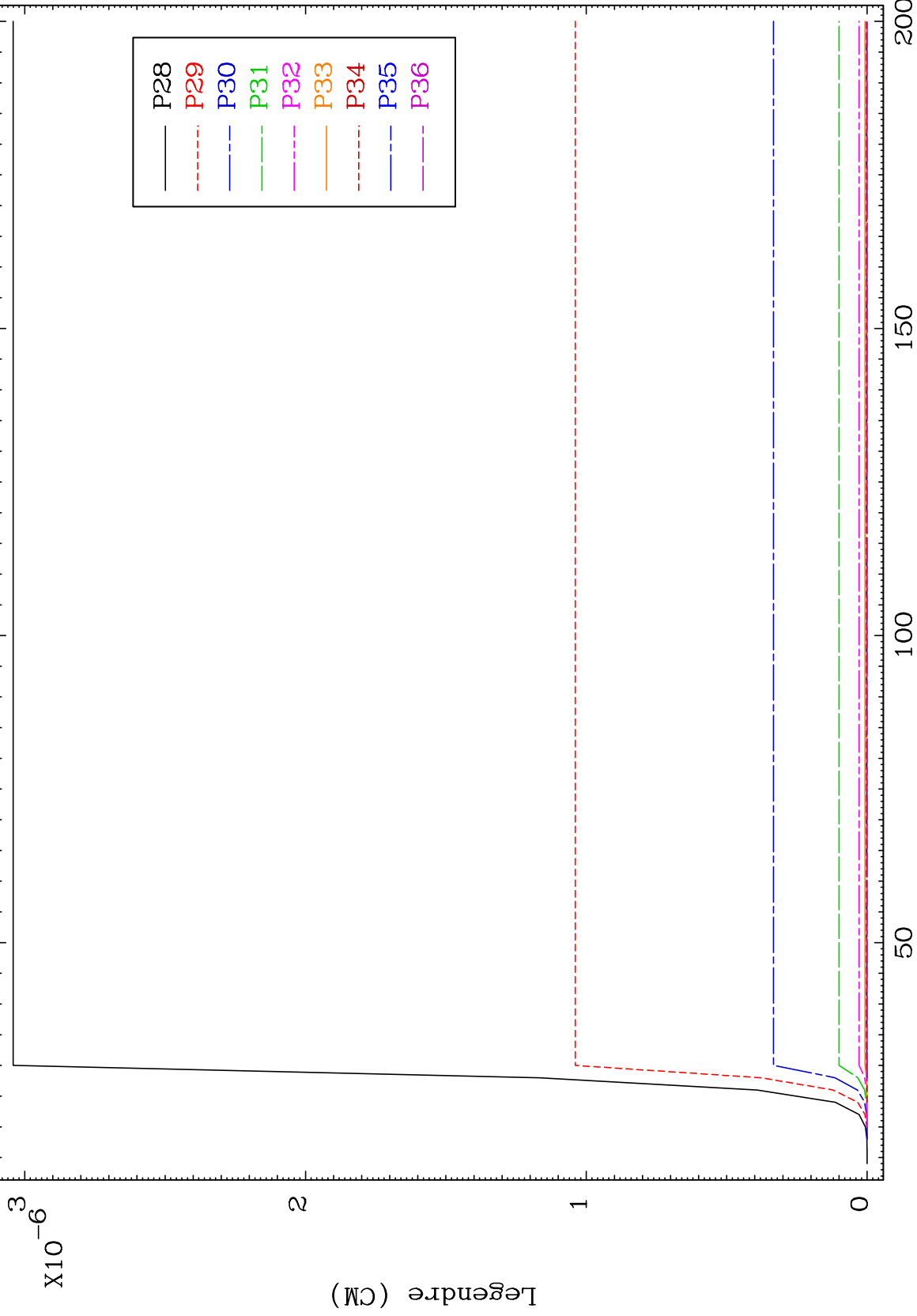
Incident Energy (MeV)

49-In-123

MAT 4955

1.052 MeV (n,n') Level
Legendre Coefficients

49-In-123



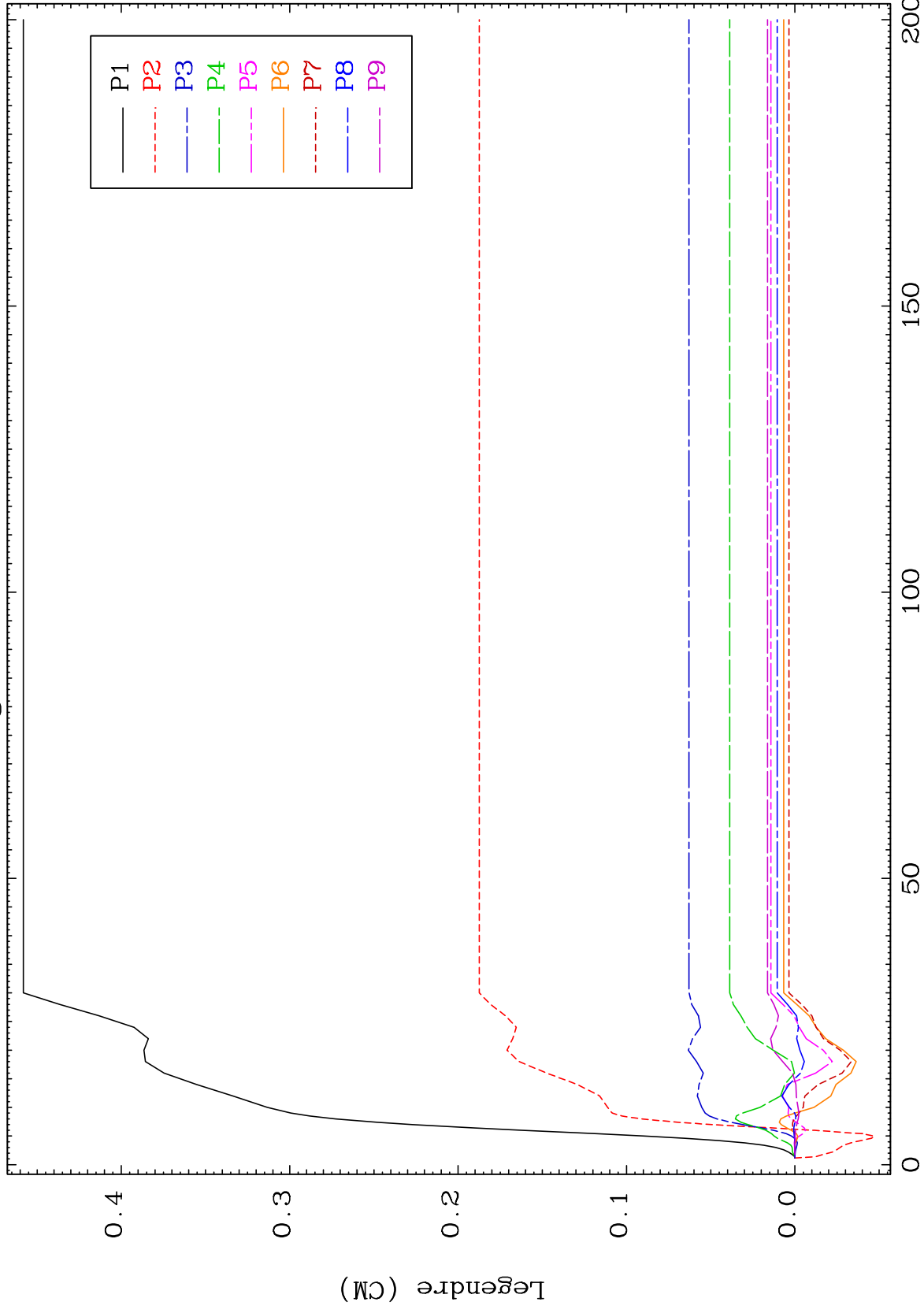
33

49-In-123

MAT 4955

1.138 MeV (n,n') Level
Legendre Coefficients

49-In-123



34

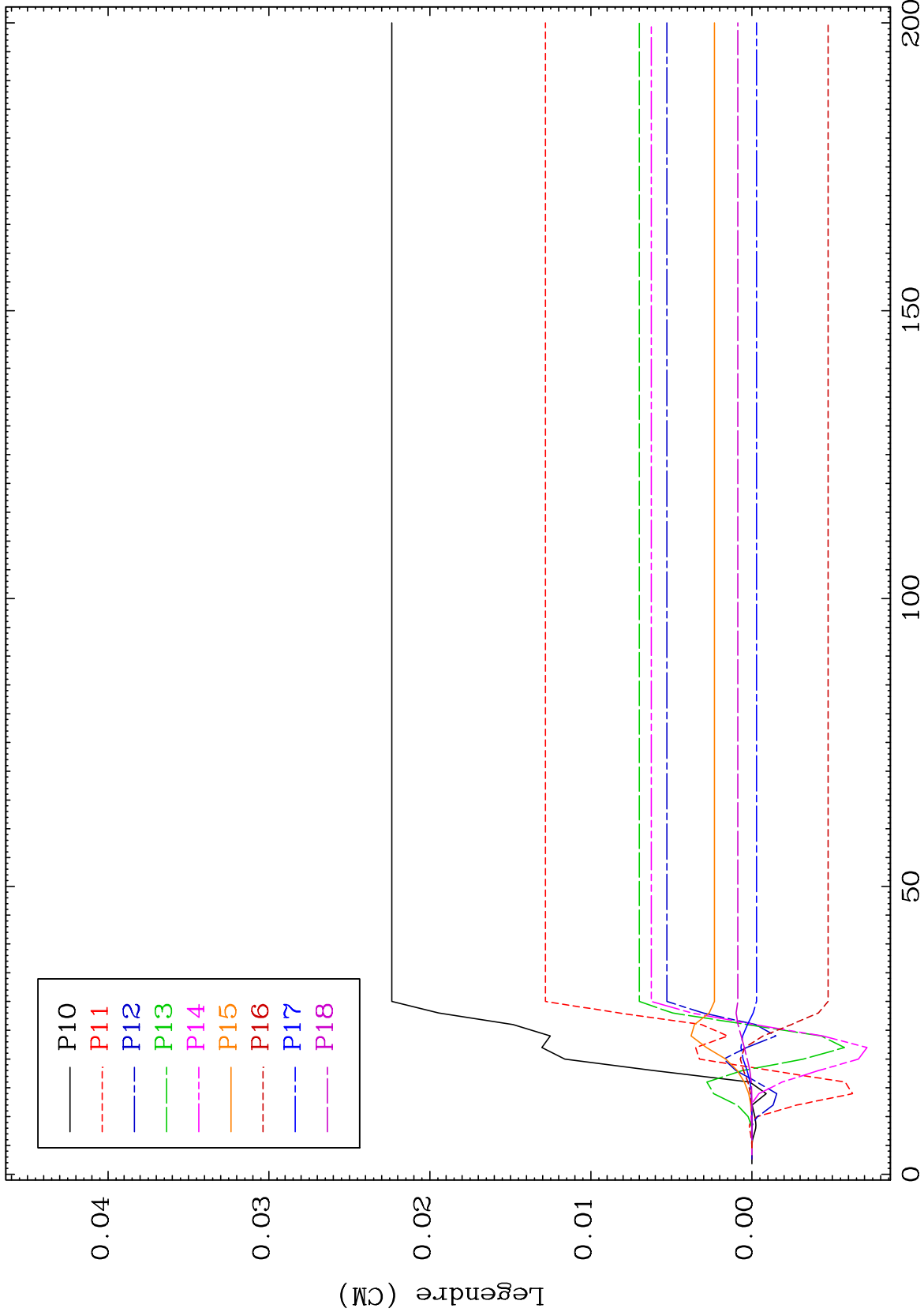
Incident Energy (MeV)

49-In-123

MAT 4955

1.138 MeV (n,n') Level
Legendre Coefficients

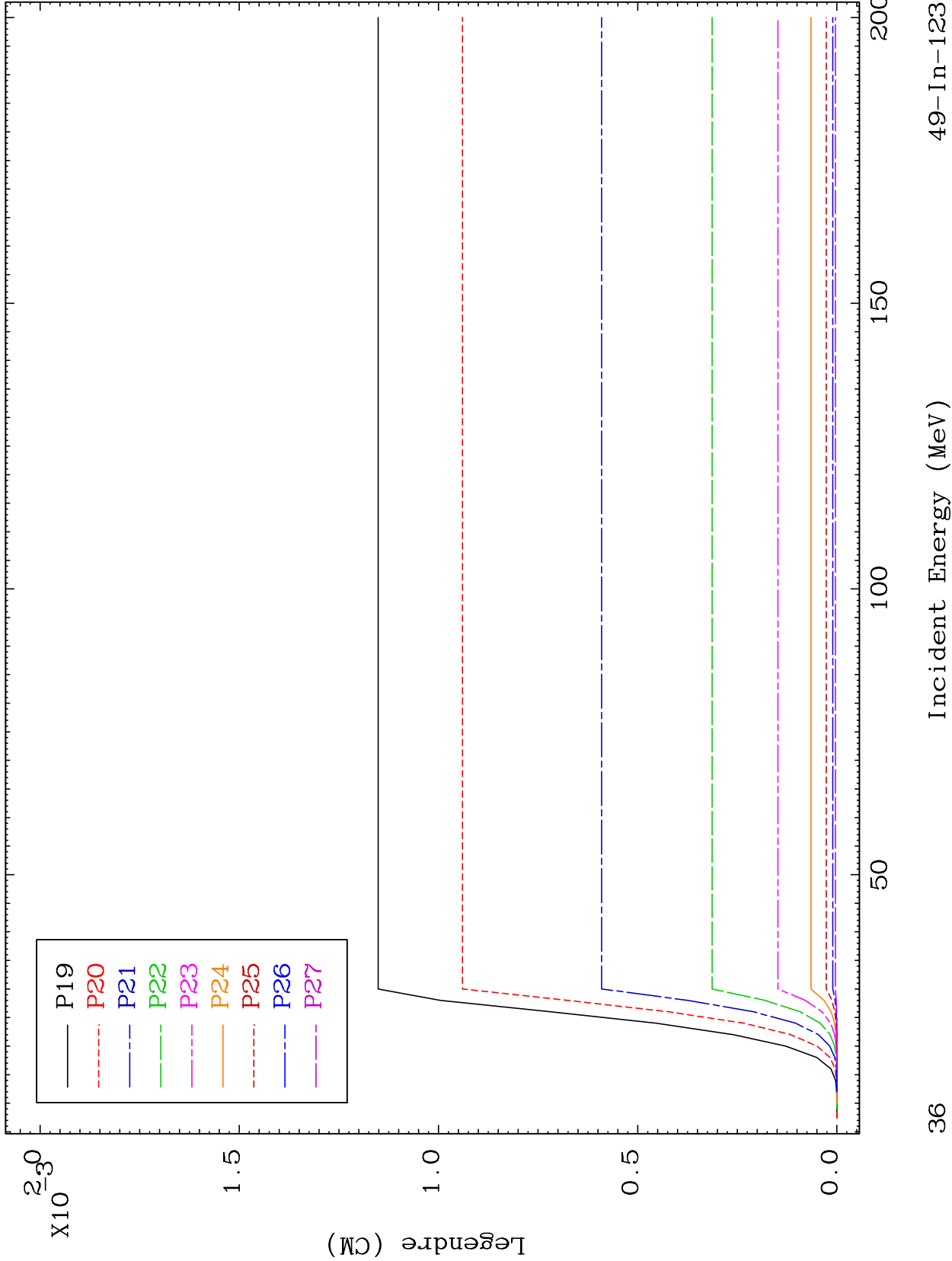
49-In-123



Incident Energy (MeV)

49-In-123

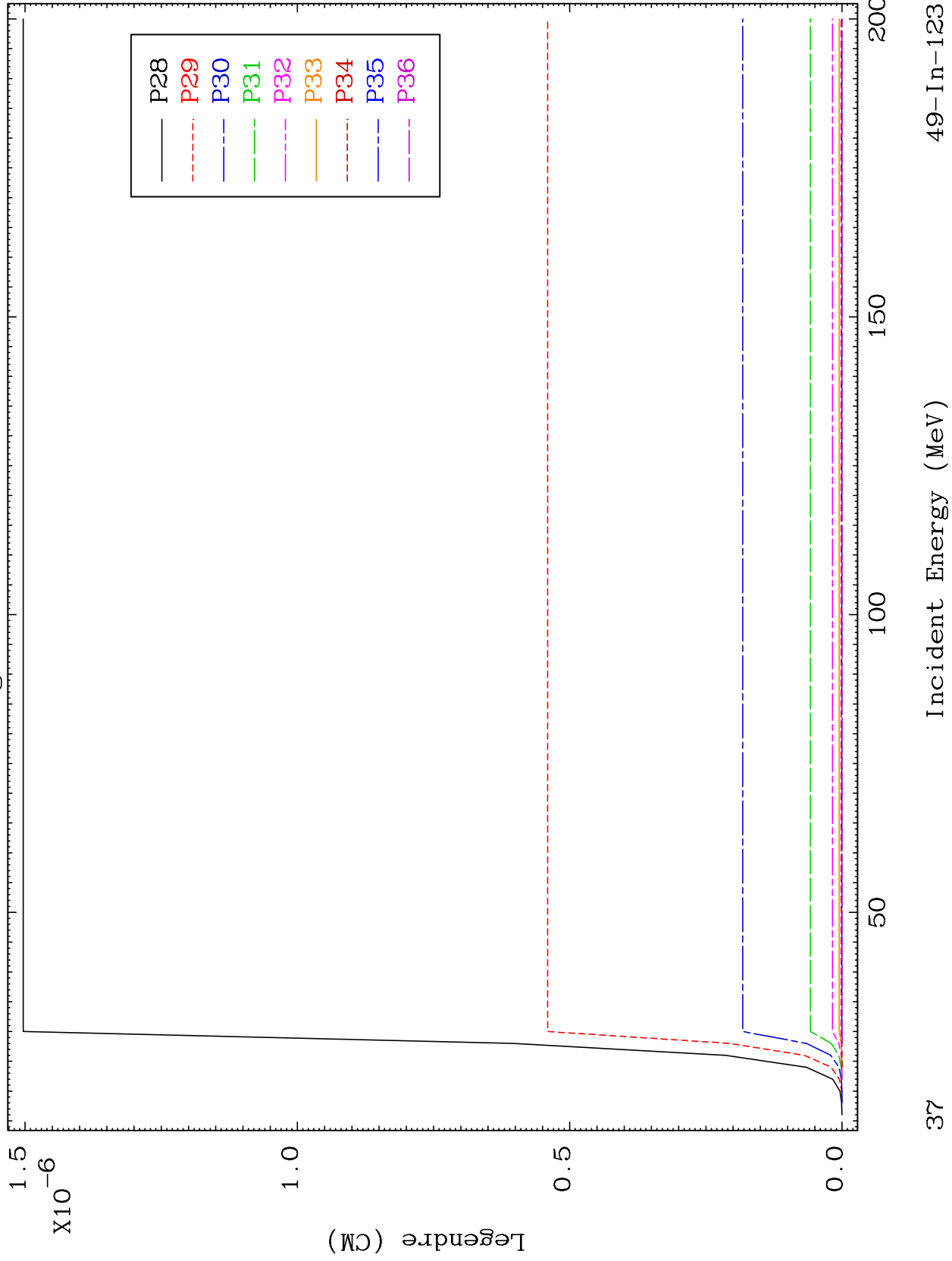
35



MAT 4955

1.138 MeV (n,n') Level
Legendre Coefficients

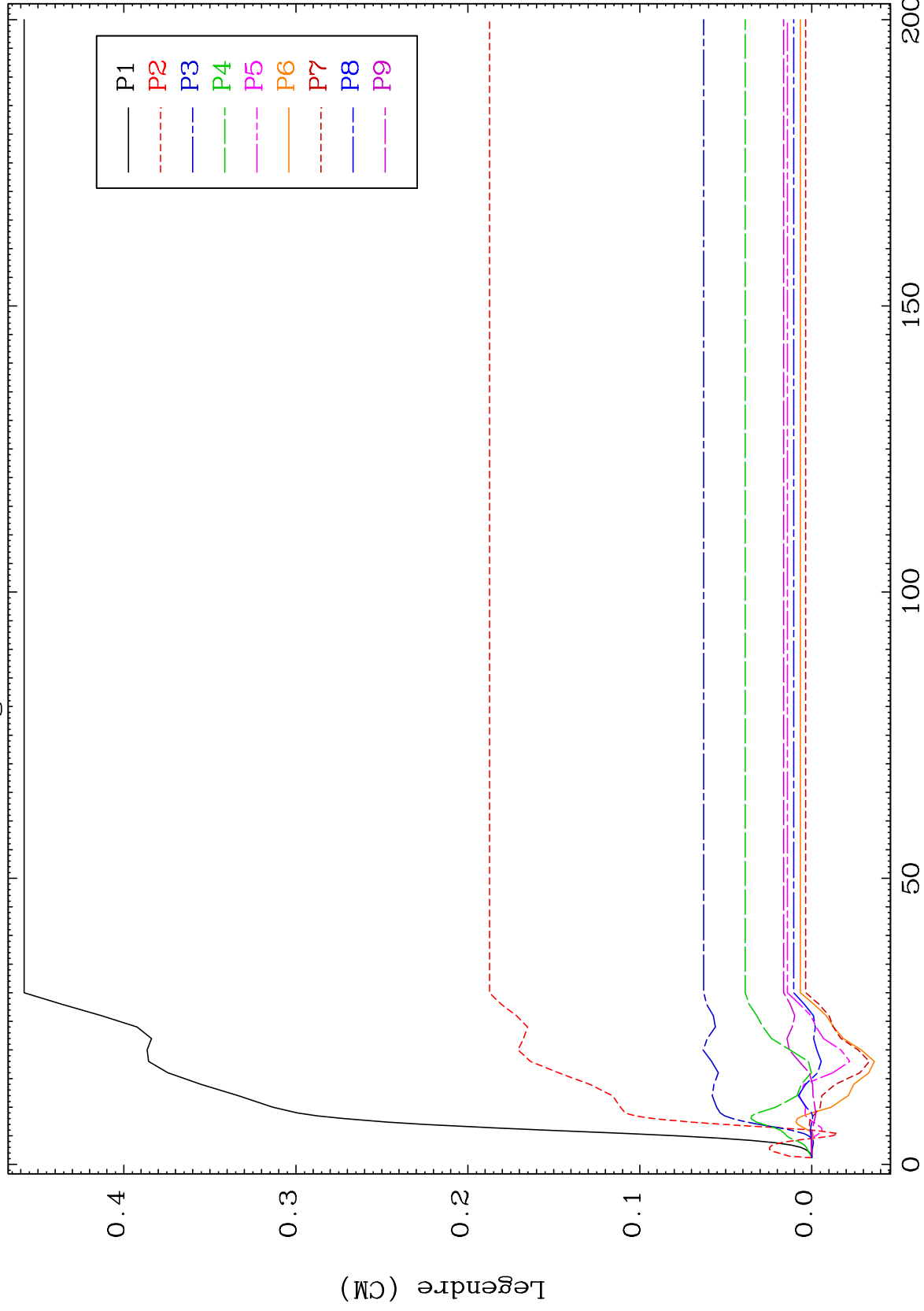
49-In-123



MAT 4955

1.166 MeV (n,n') Level
Legendre Coefficients

49-In-123



38

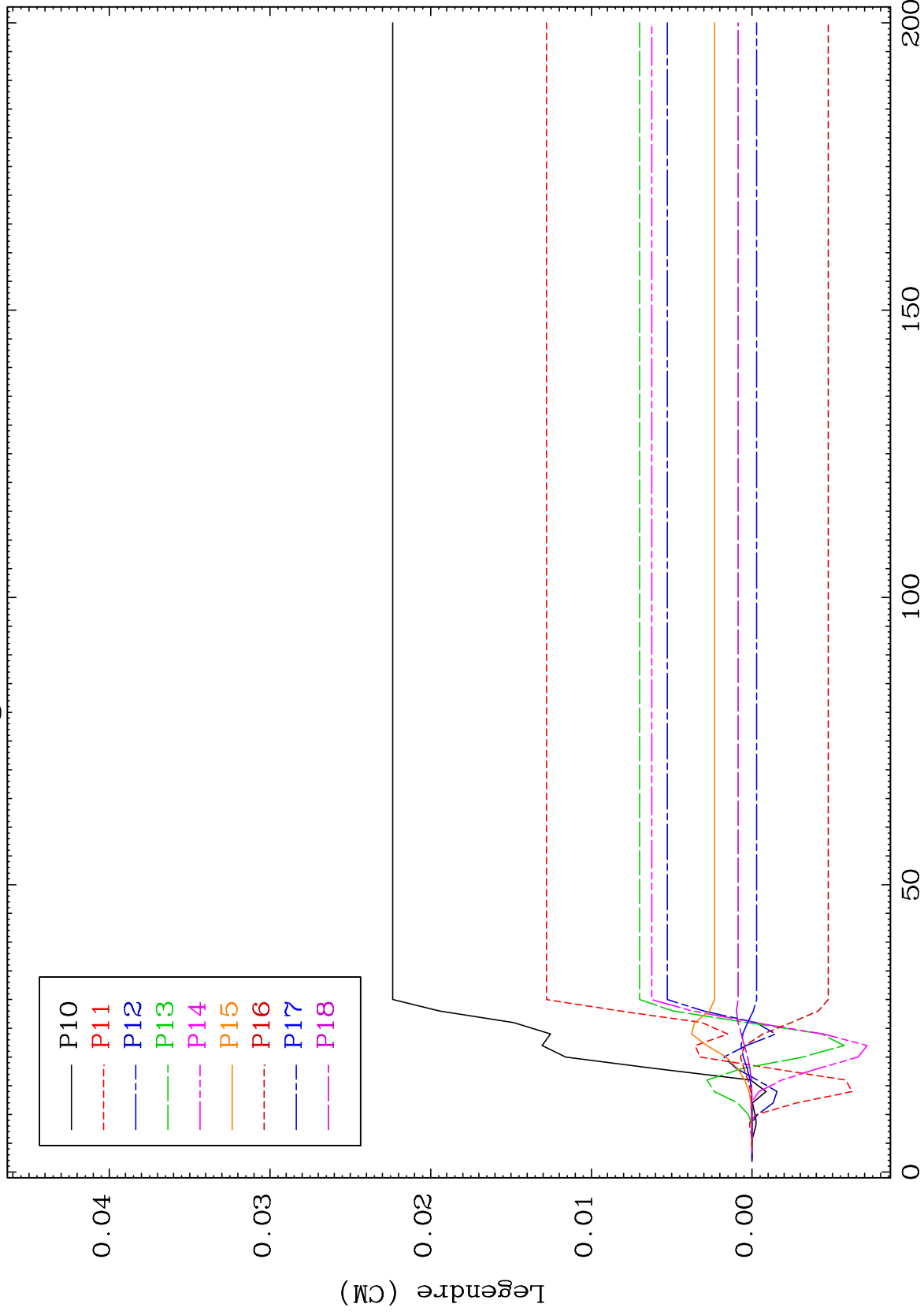
Incident Energy (MeV)

49-In-123

MAT 4955

1.166 MeV (n,n') Level
Legendre Coefficients

49-In-123



39

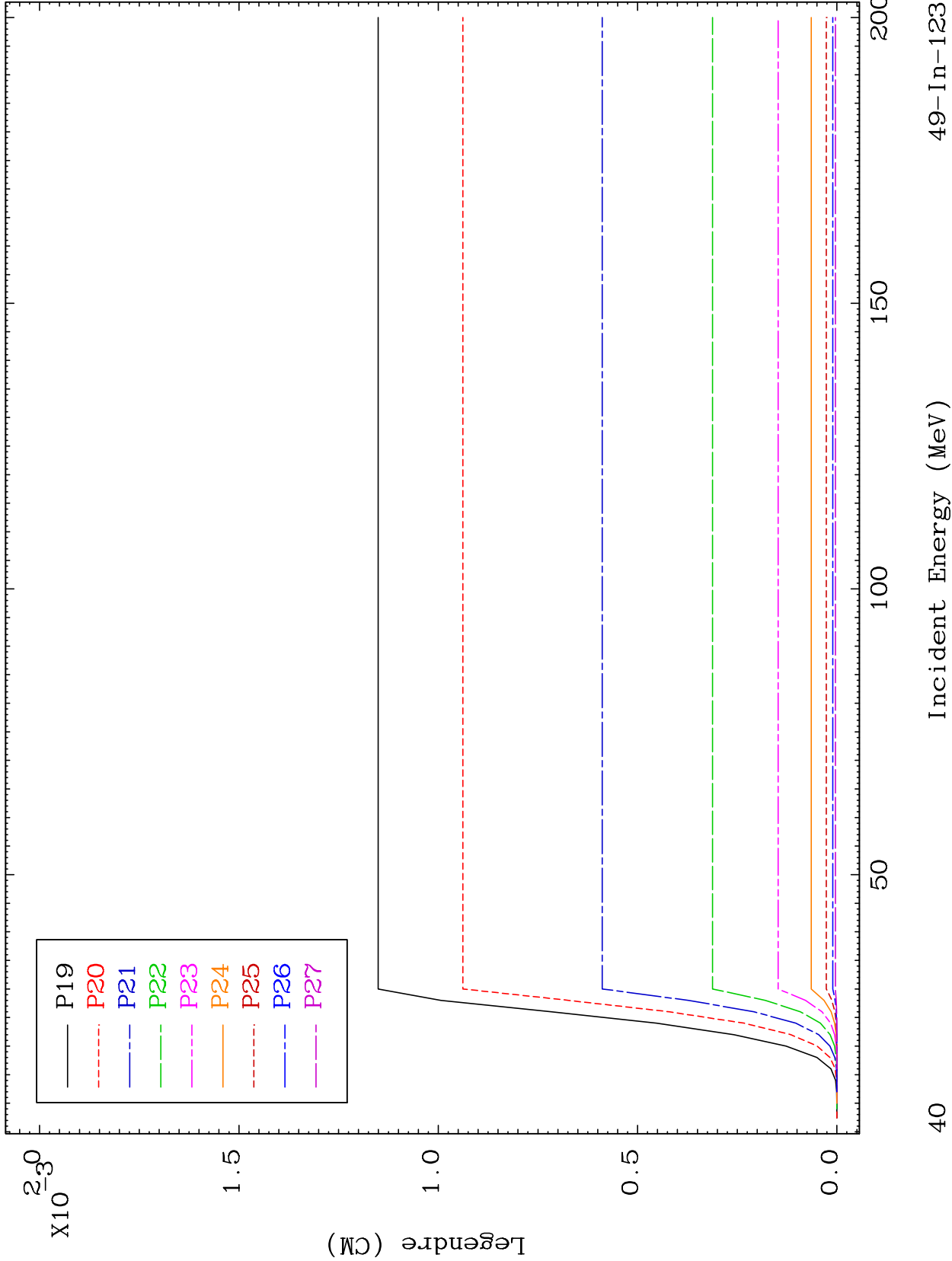
Incident Energy (MeV)

49-In-123

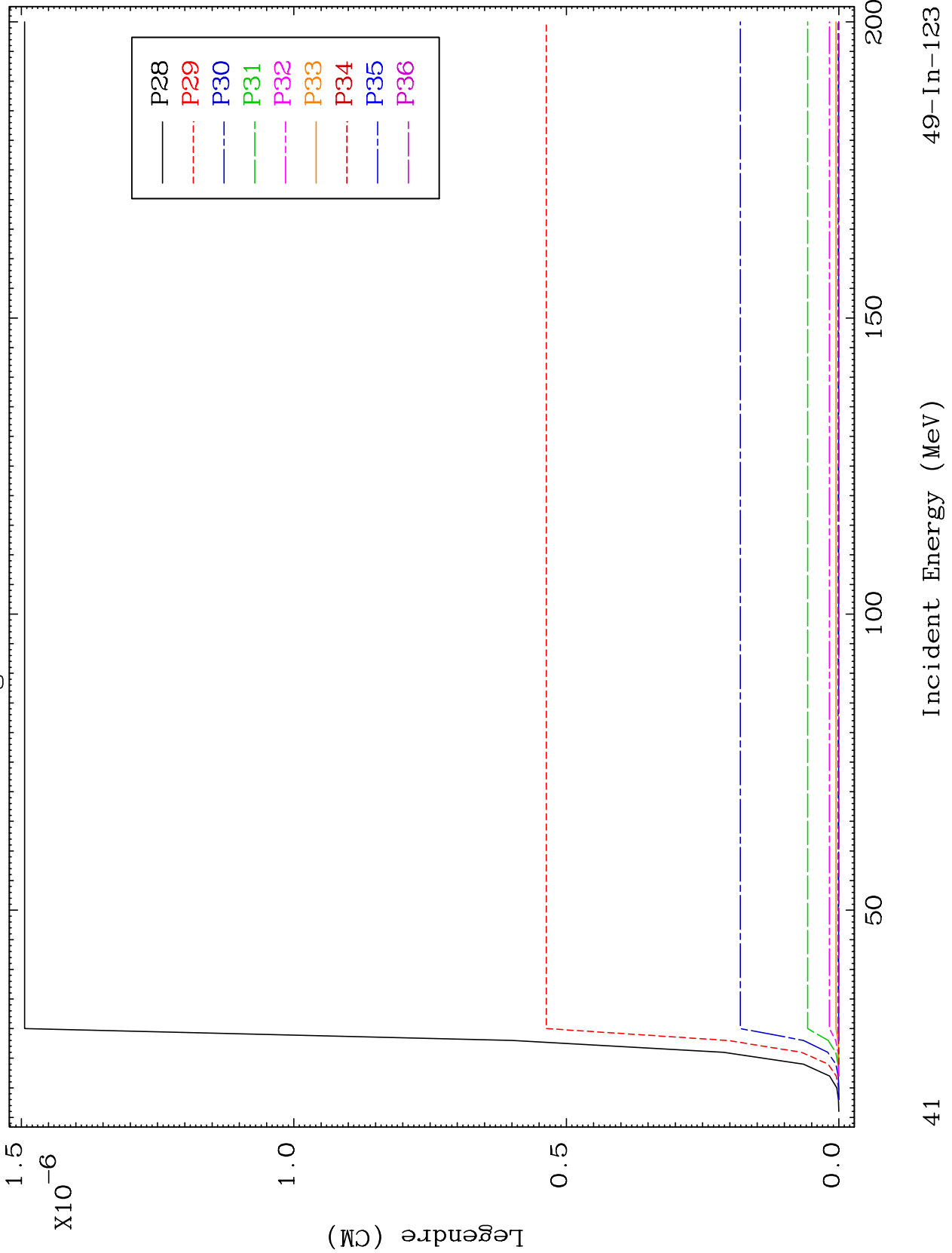
MAT 4955

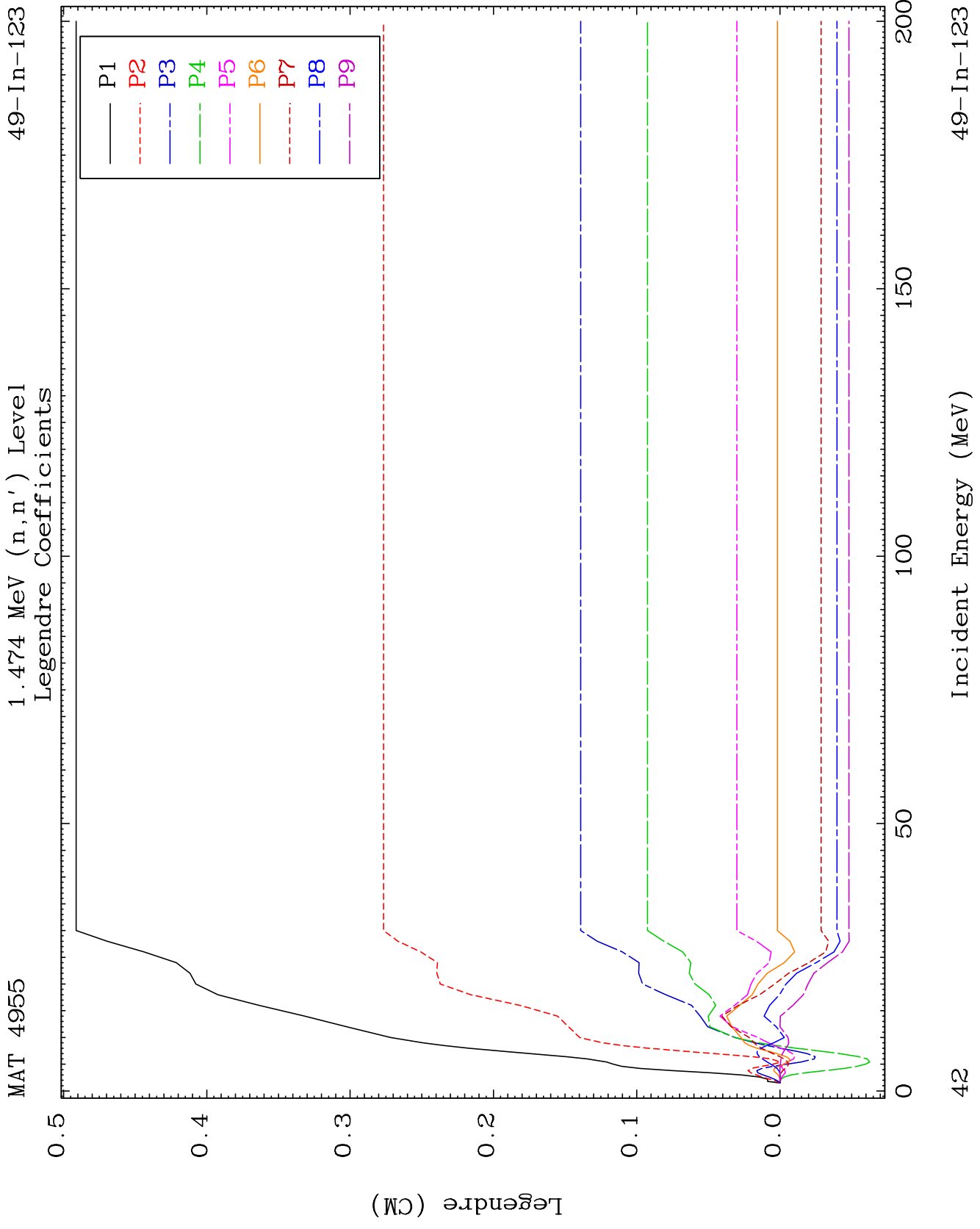
1.166 MeV (n,n') Level
Legendre Coefficients

49-In-123



Legendre Coefficients

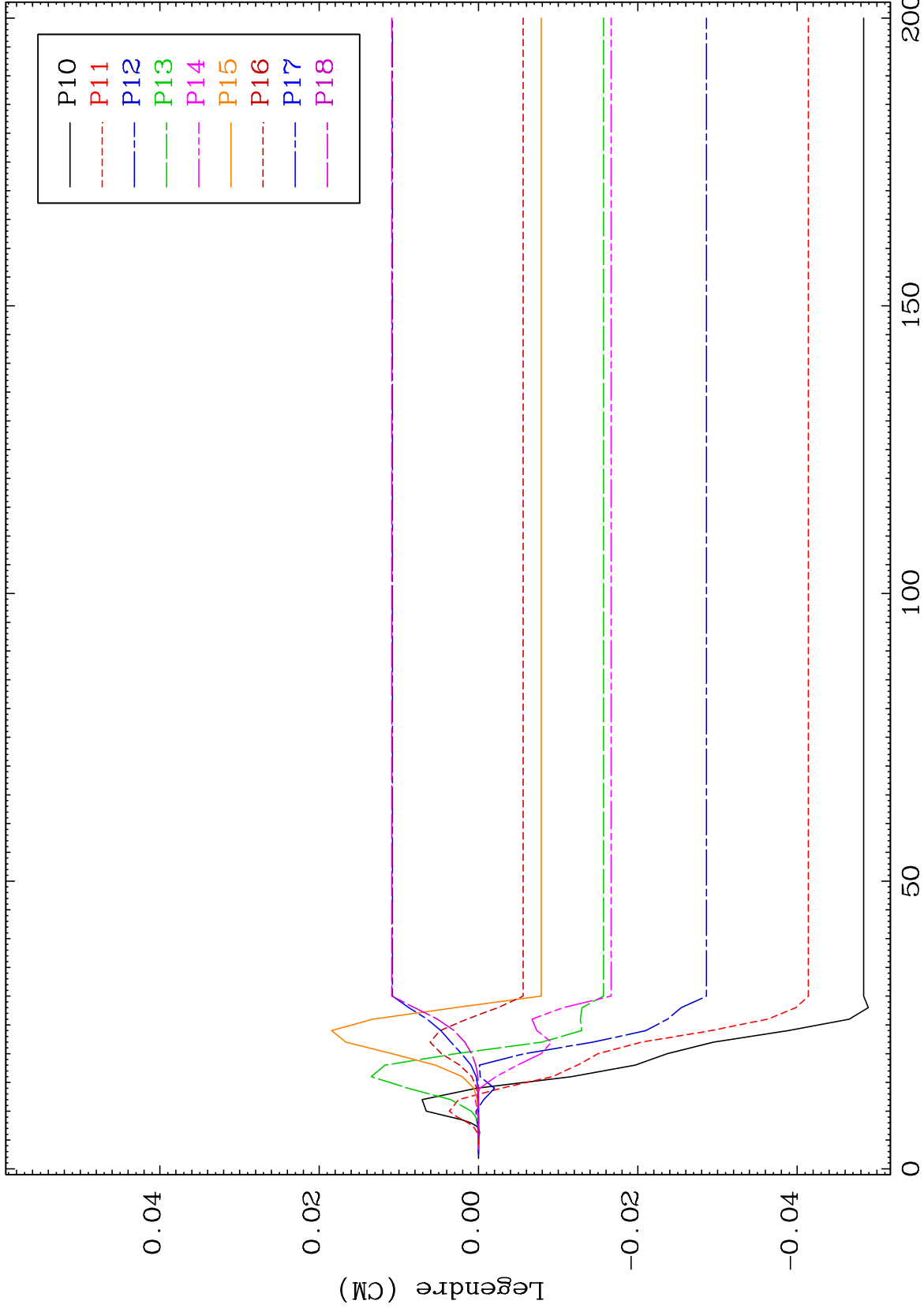




MAT 4955

1.474 MeV (n,n') Level
Legendre Coefficients

49-In-123



43

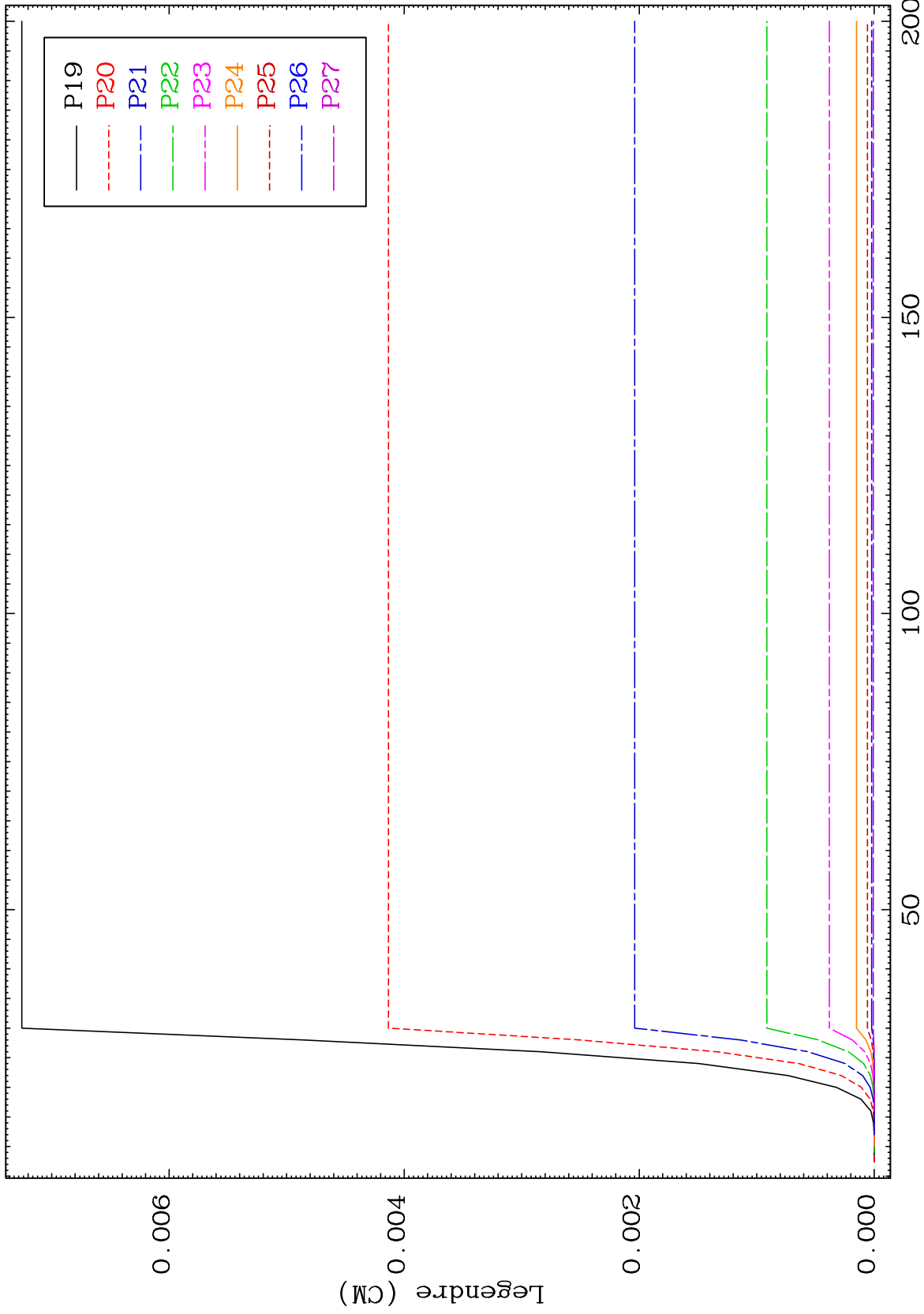
Incident Energy (MeV)

49-In-123

MAT 4955

1.474 MeV (n,n') Level
Legendre Coefficients

49-In-123



44

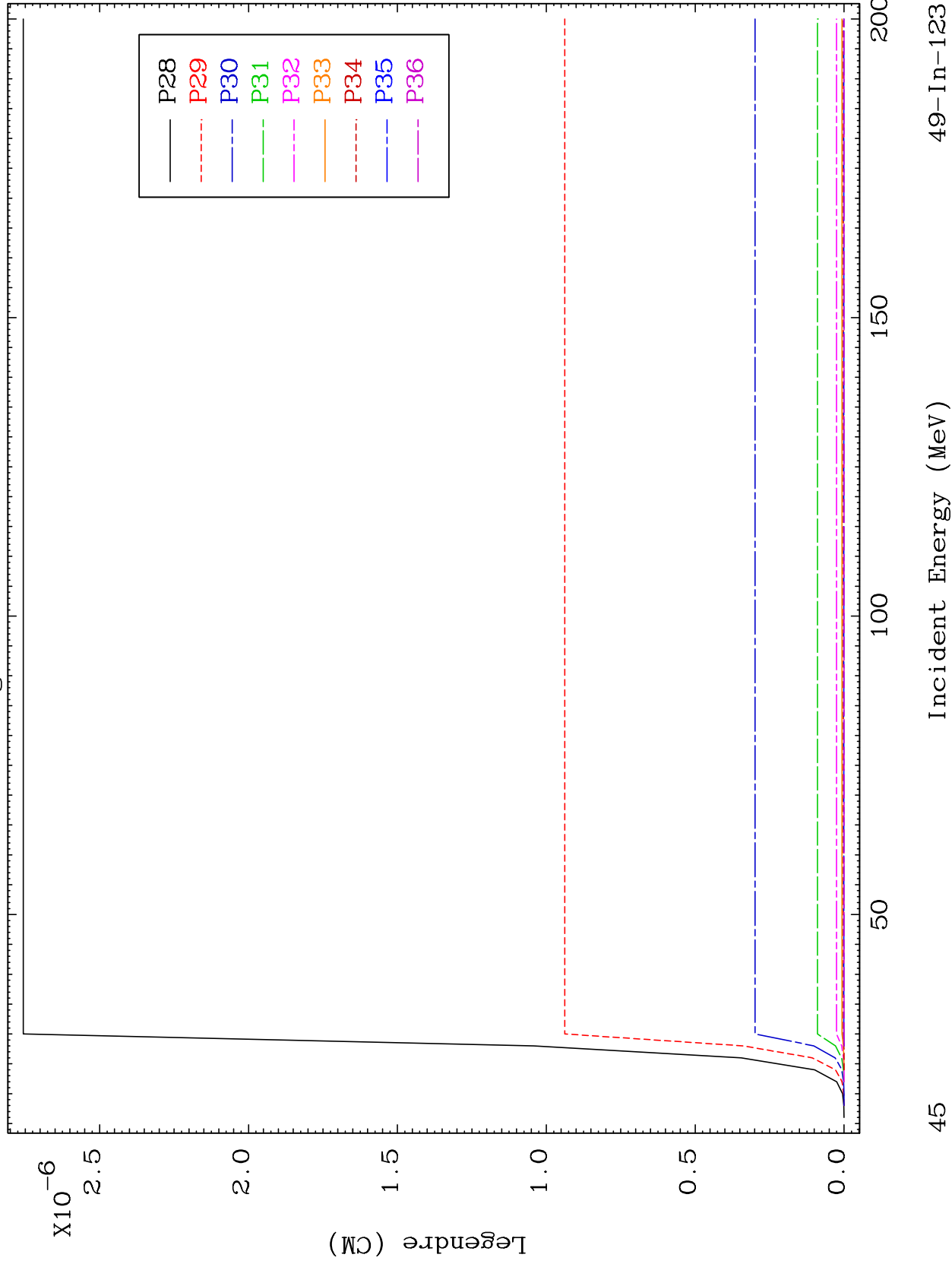
Incident Energy (MeV)

49-In-123

MAT 4955

1.474 MeV (n,n') Level
Legendre Coefficients

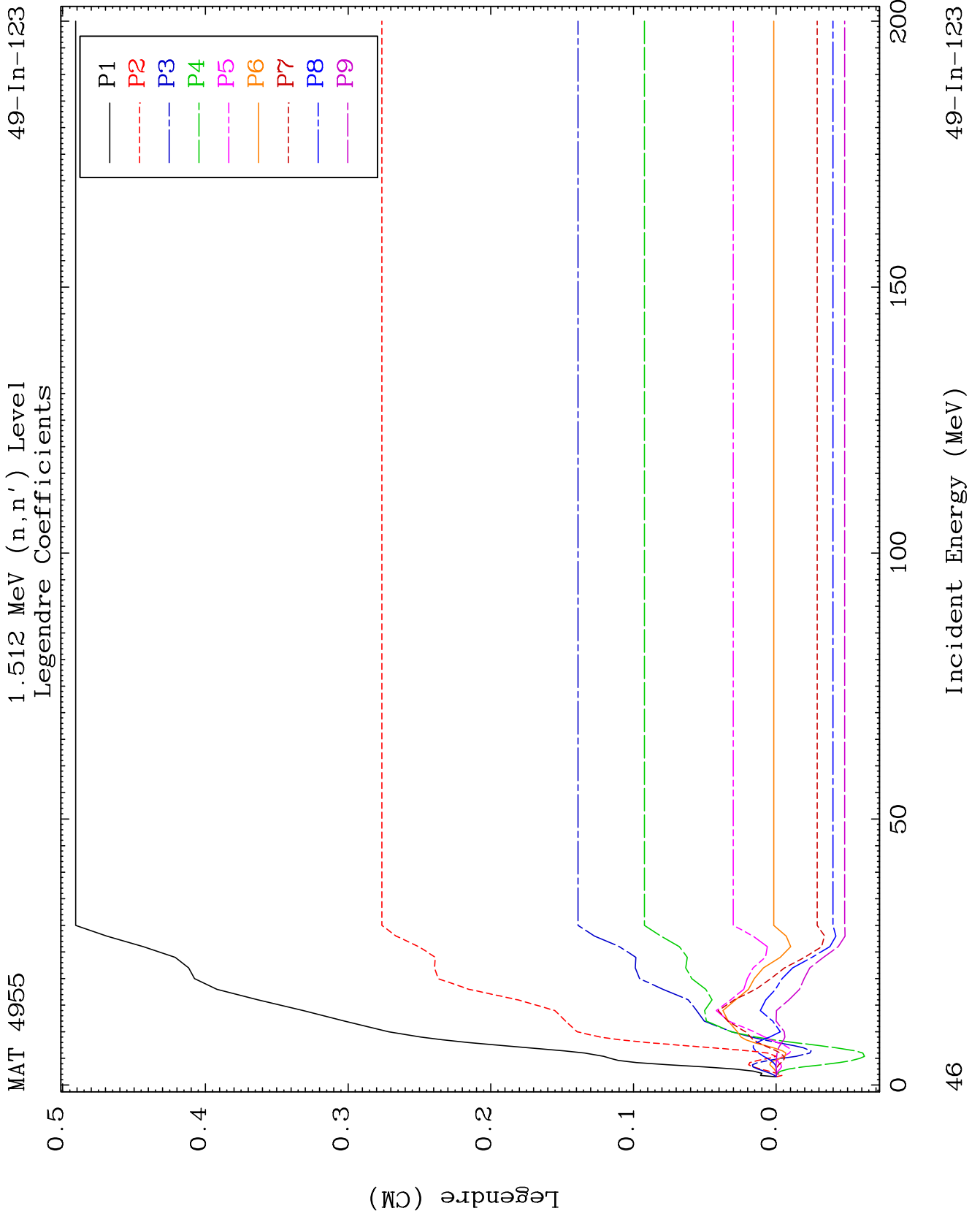
49-In-123



45

Incident Energy (MeV)

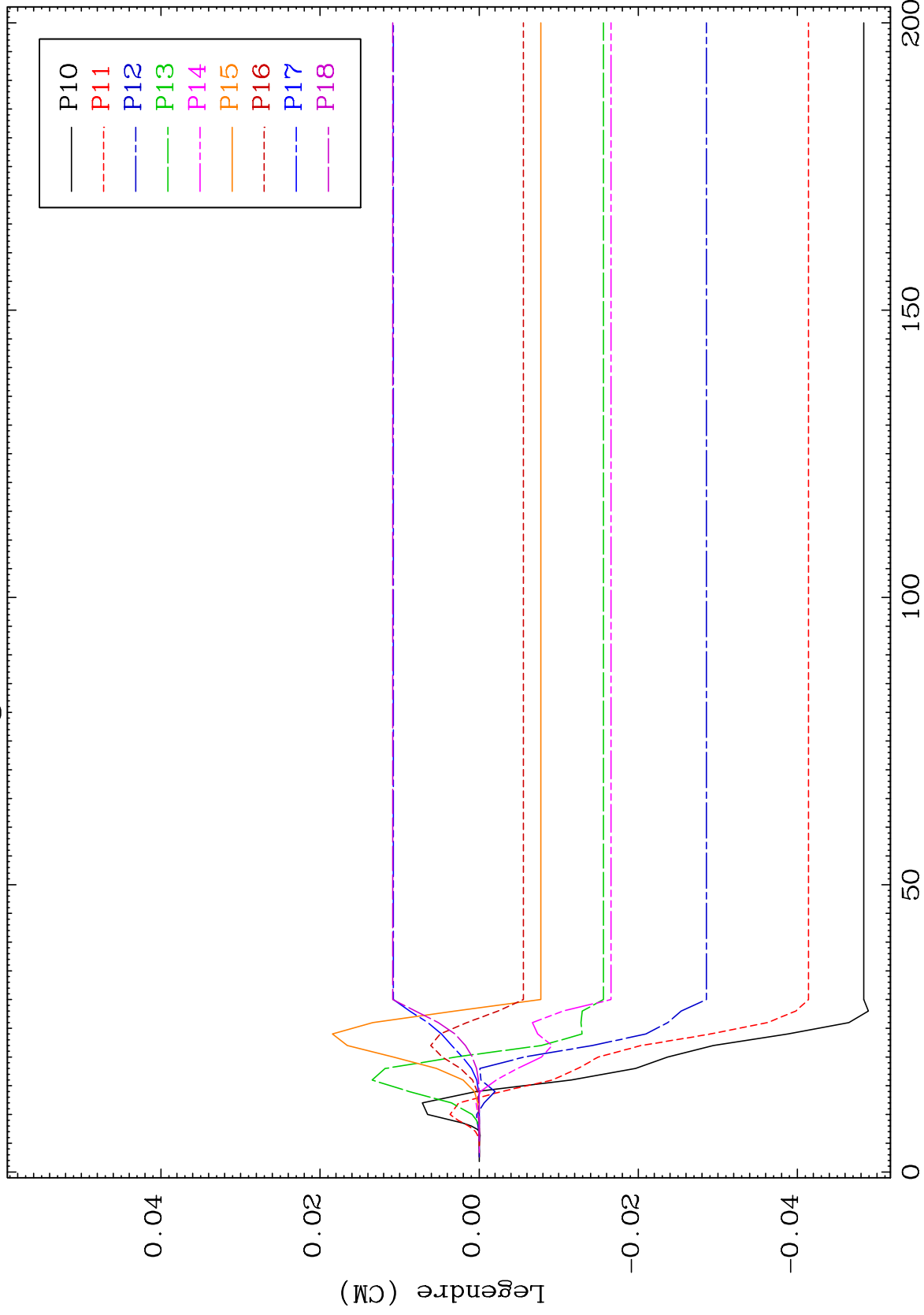
49-In-123



MAT 4955

1.512 MeV (n,n') Level
Legendre Coefficients

49-In-123



47

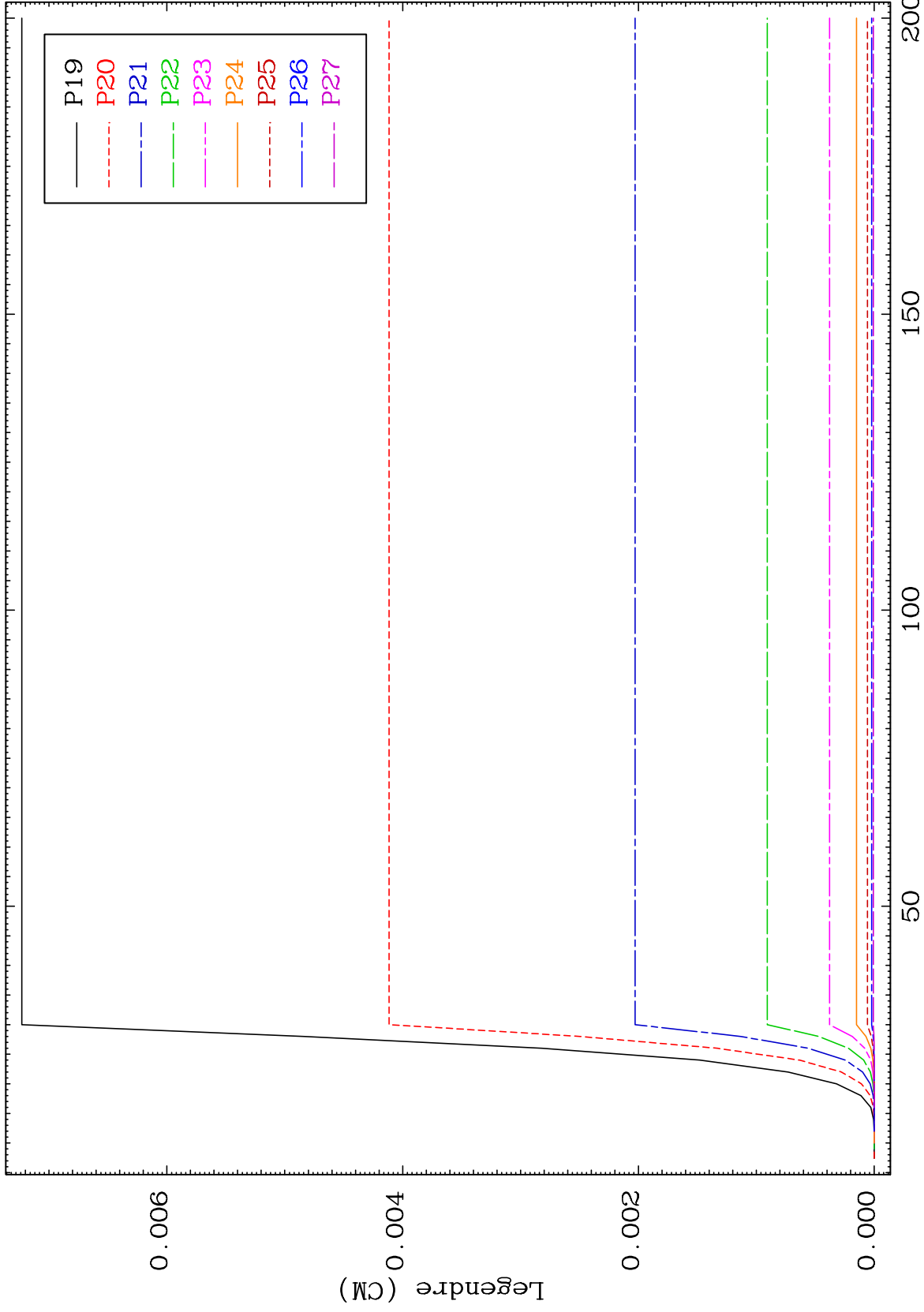
Incident Energy (MeV)

49-In-123

MAT 4955

1.512 MeV (n,n') Level
Legendre Coefficients

49-In-123



48

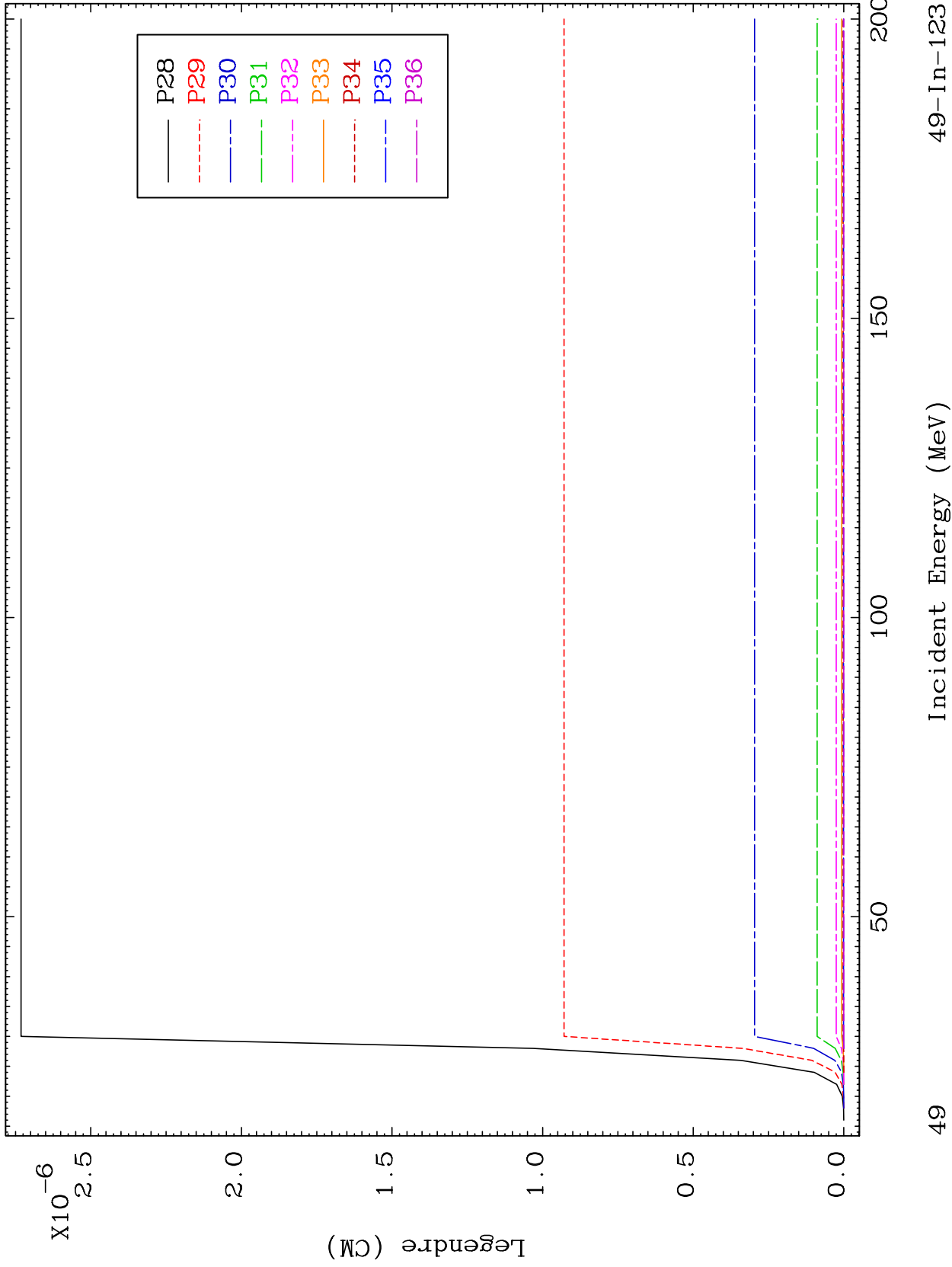
Incident Energy (MeV)

49-In-123

MAT 4955

1.512 MeV (n,n') Level
Legendre Coefficients

49-In-123



49

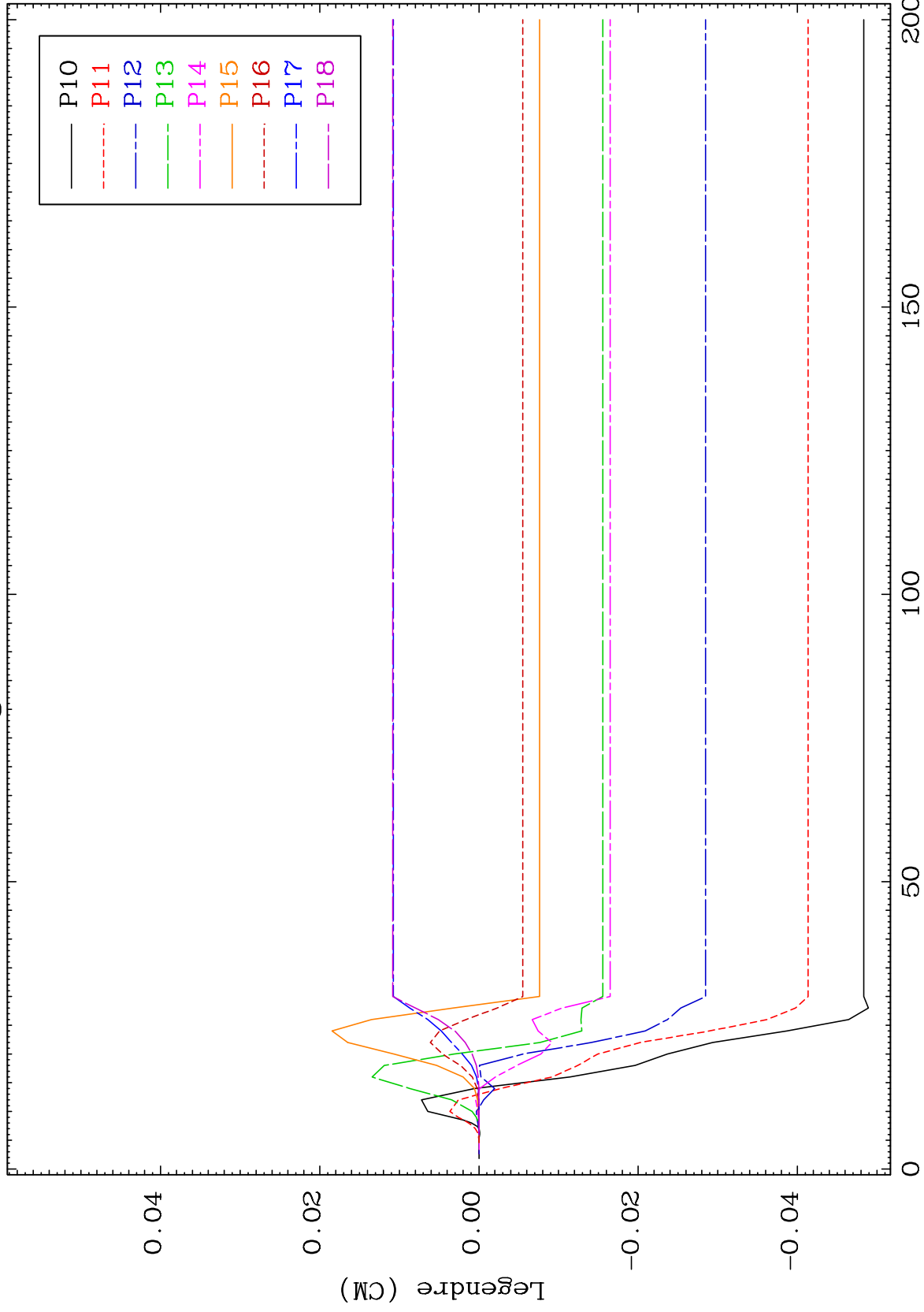
Incident Energy (MeV)

49-In-123

MAT 4955

1.566 MeV (n,n') Level
Legendre Coefficients

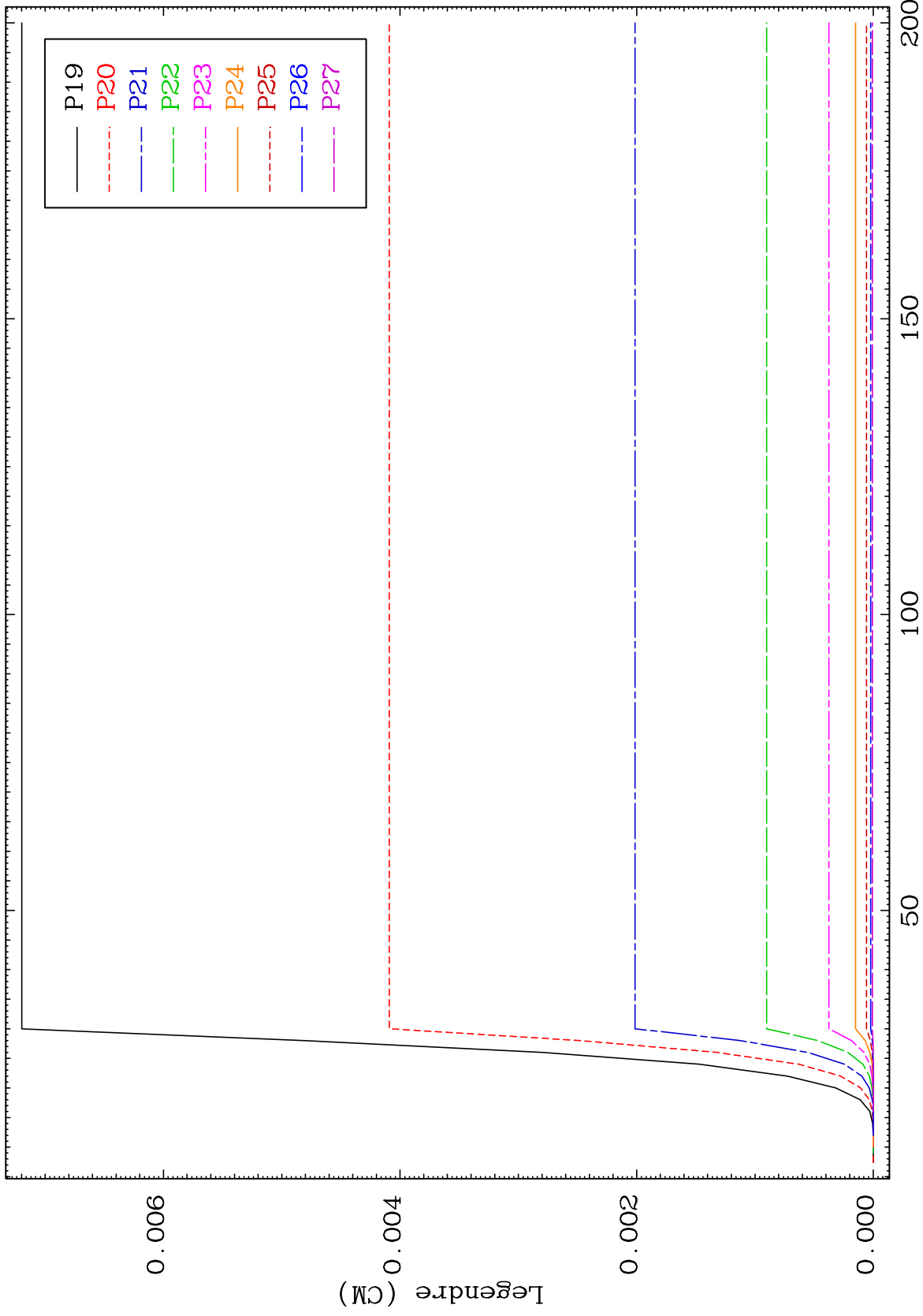
49-In-123

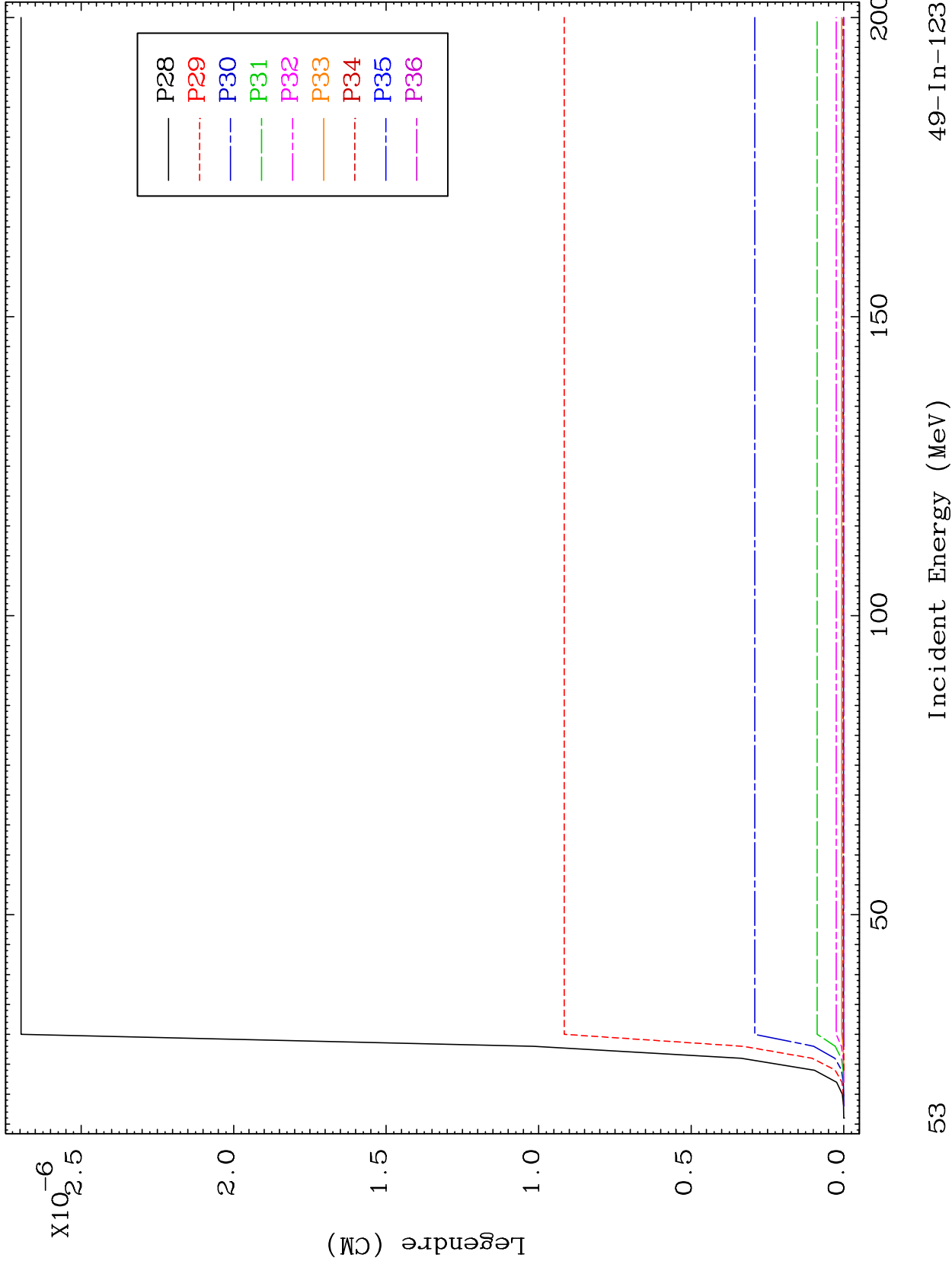


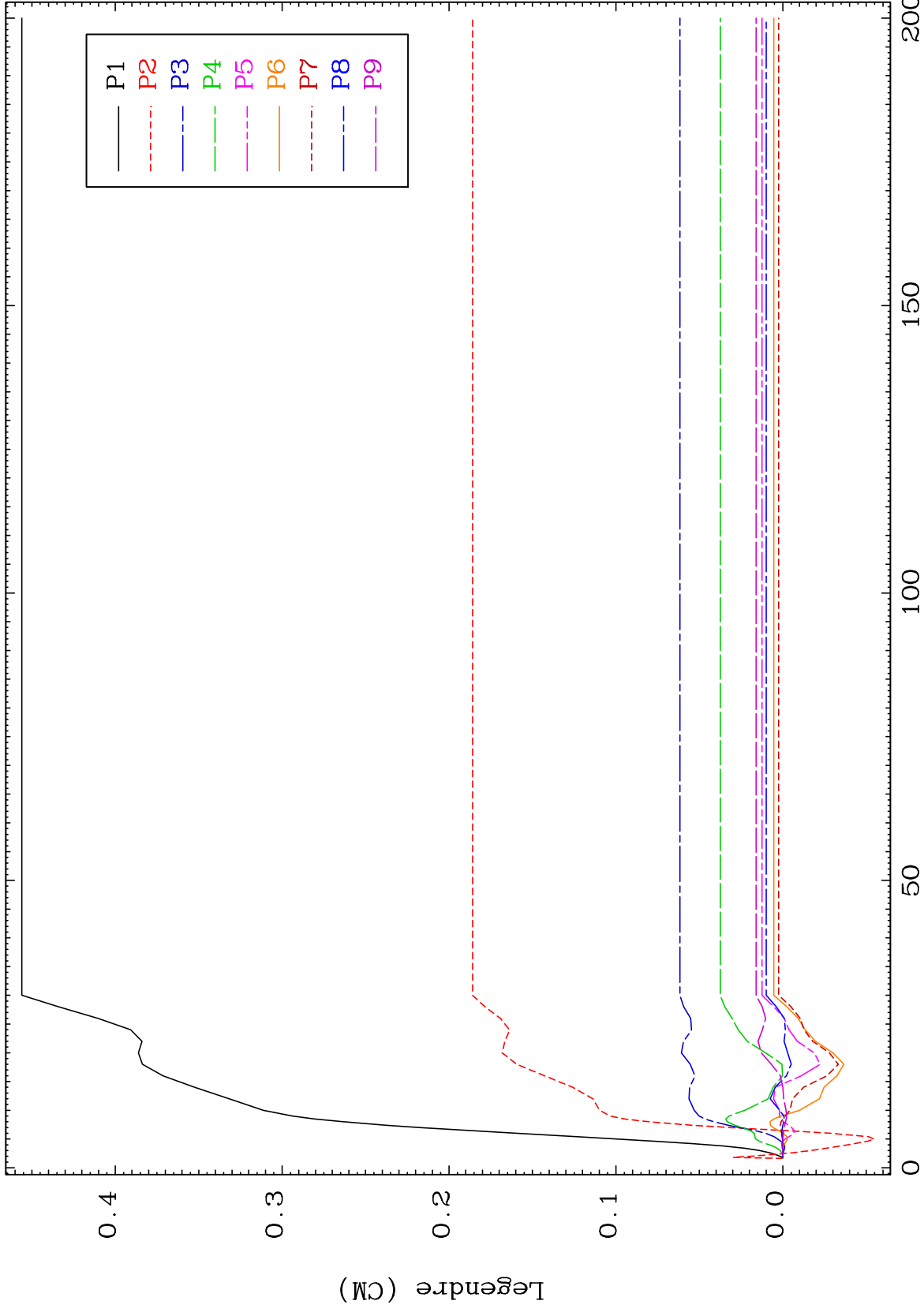
51

Incident Energy (MeV)

49-In-123



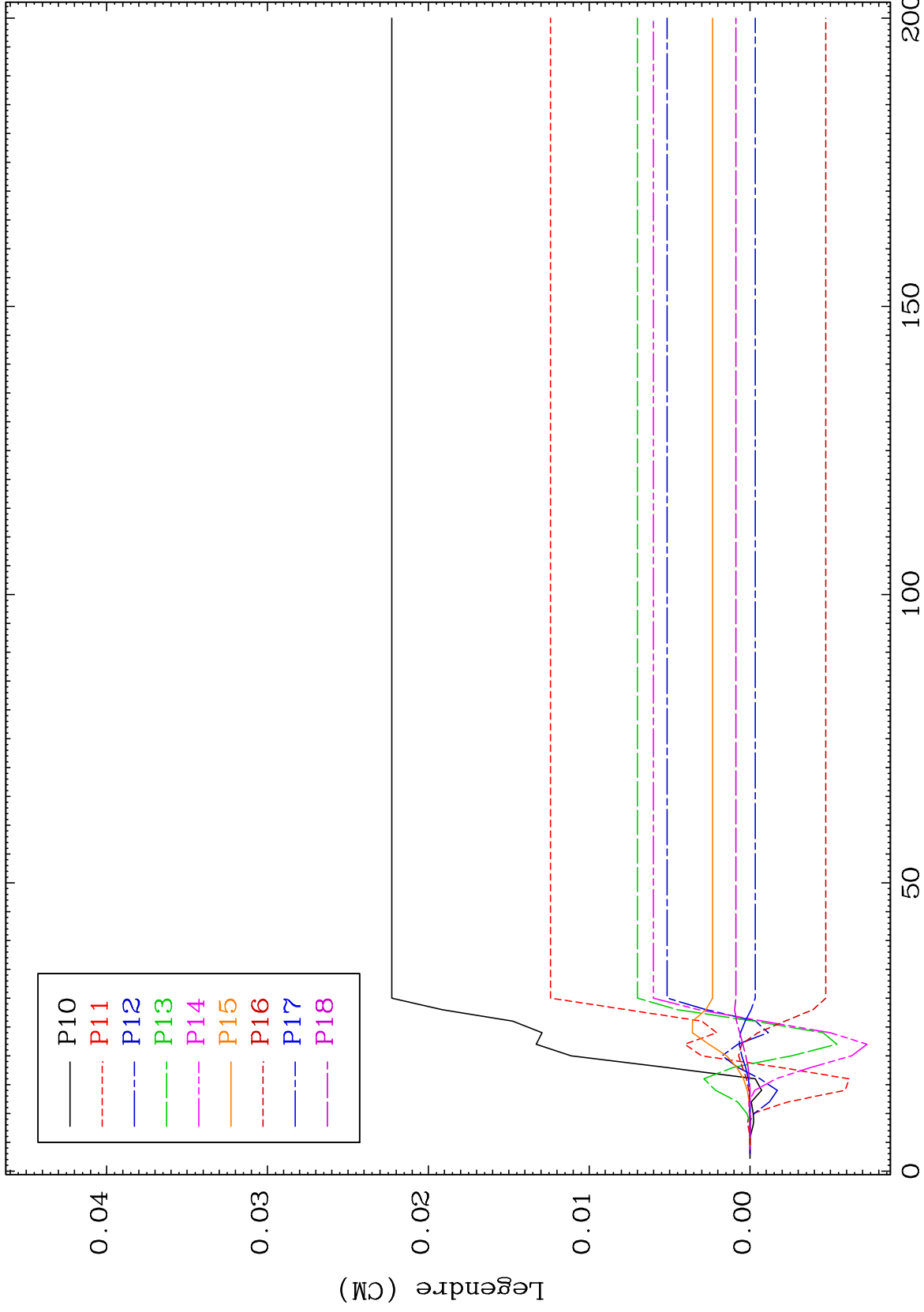




MAT 4955

1.616 MeV (n, n') Level
Legendre Coefficients

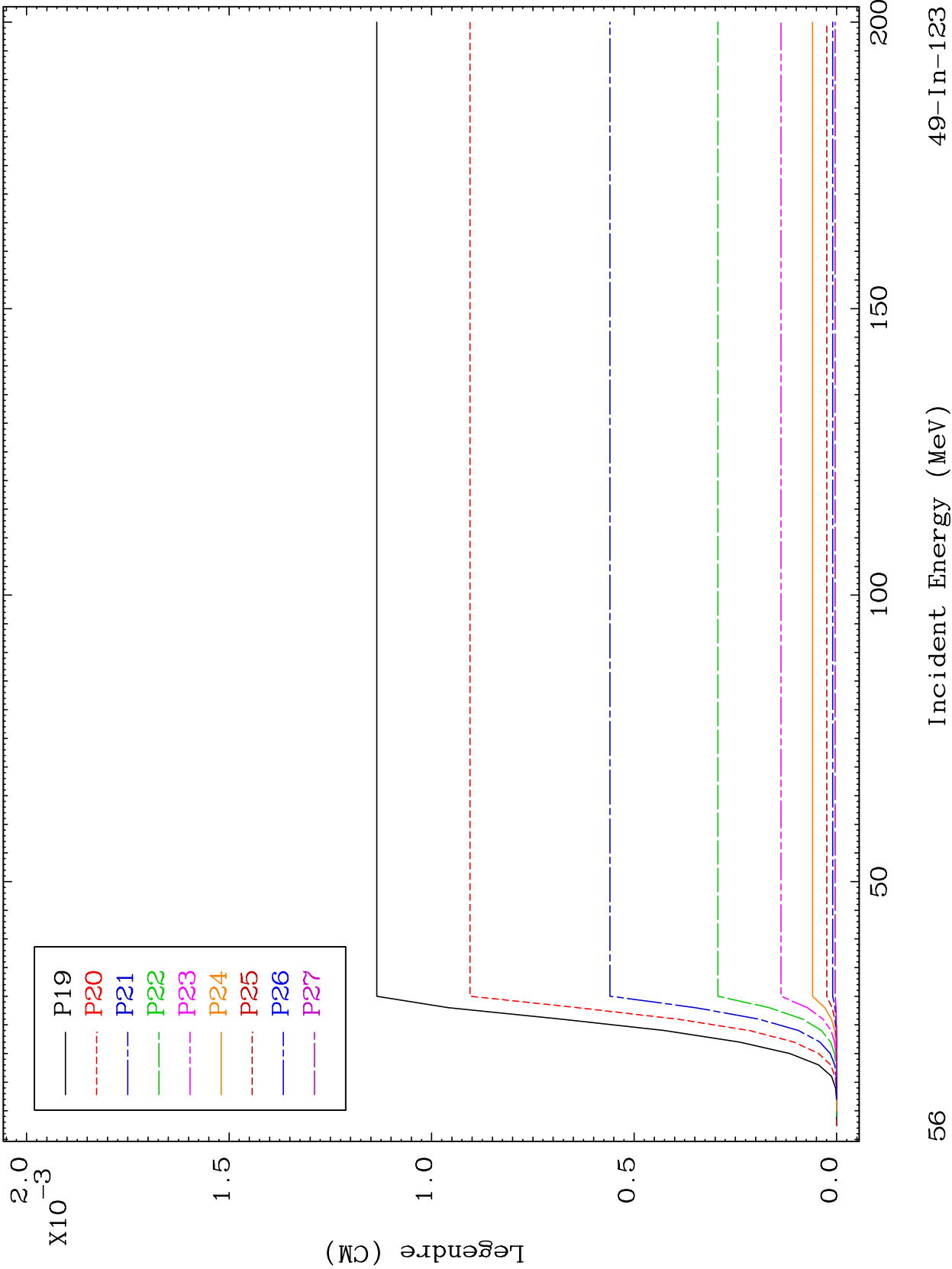
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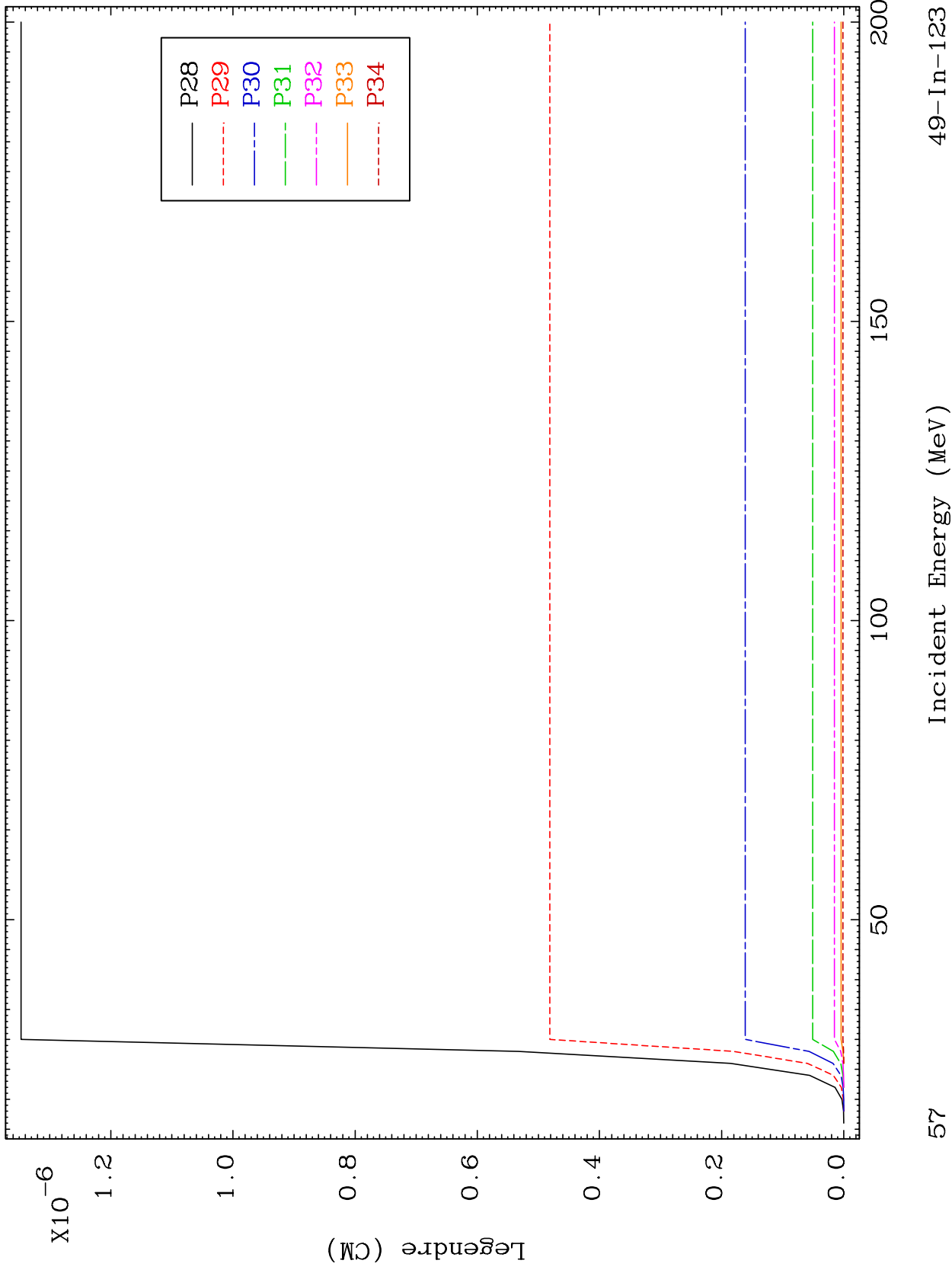


55

Incident Energy (MeV)

49-In-123

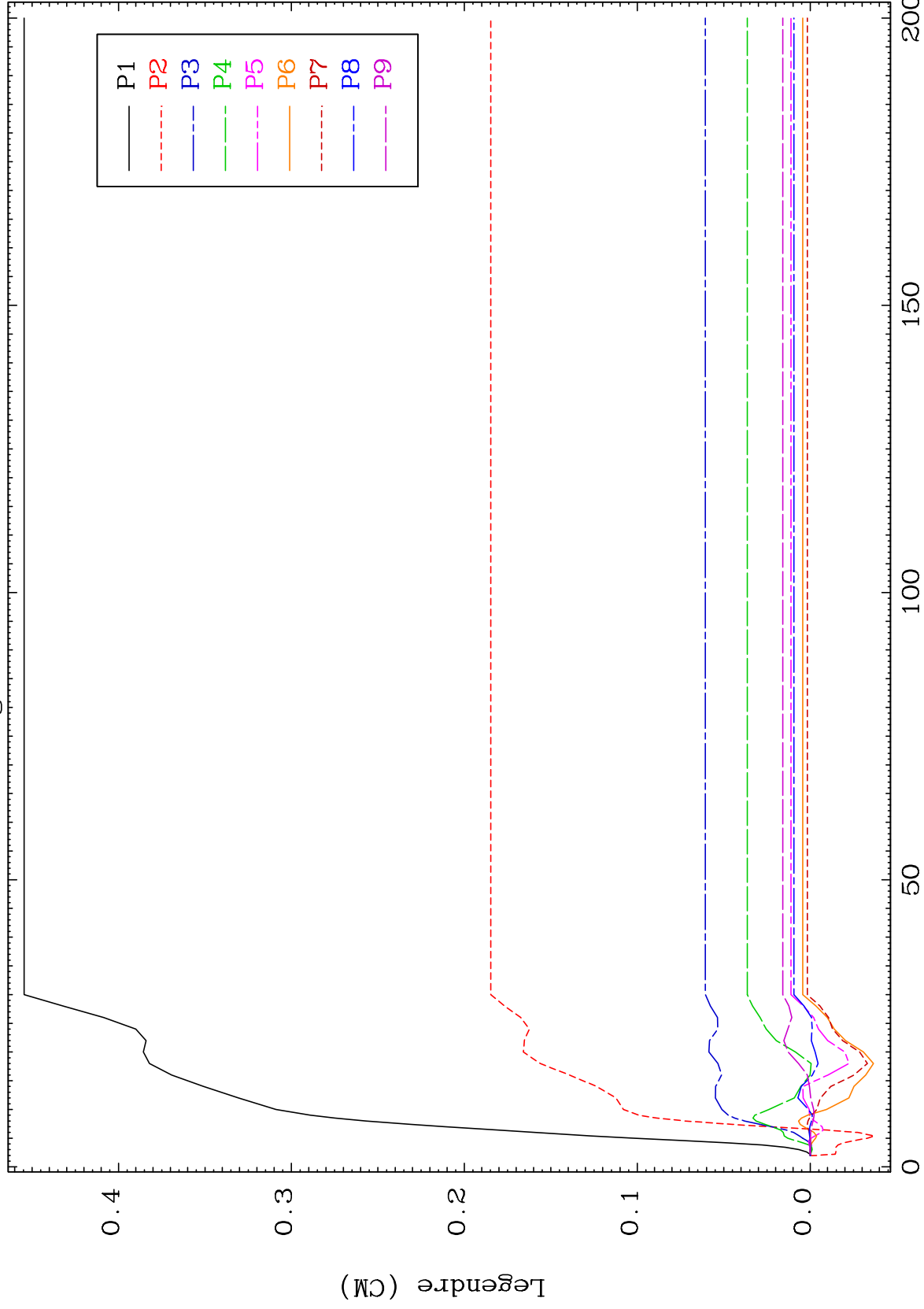




MAT 4955

1.926 MeV (n,n') Level
Legendre Coefficients

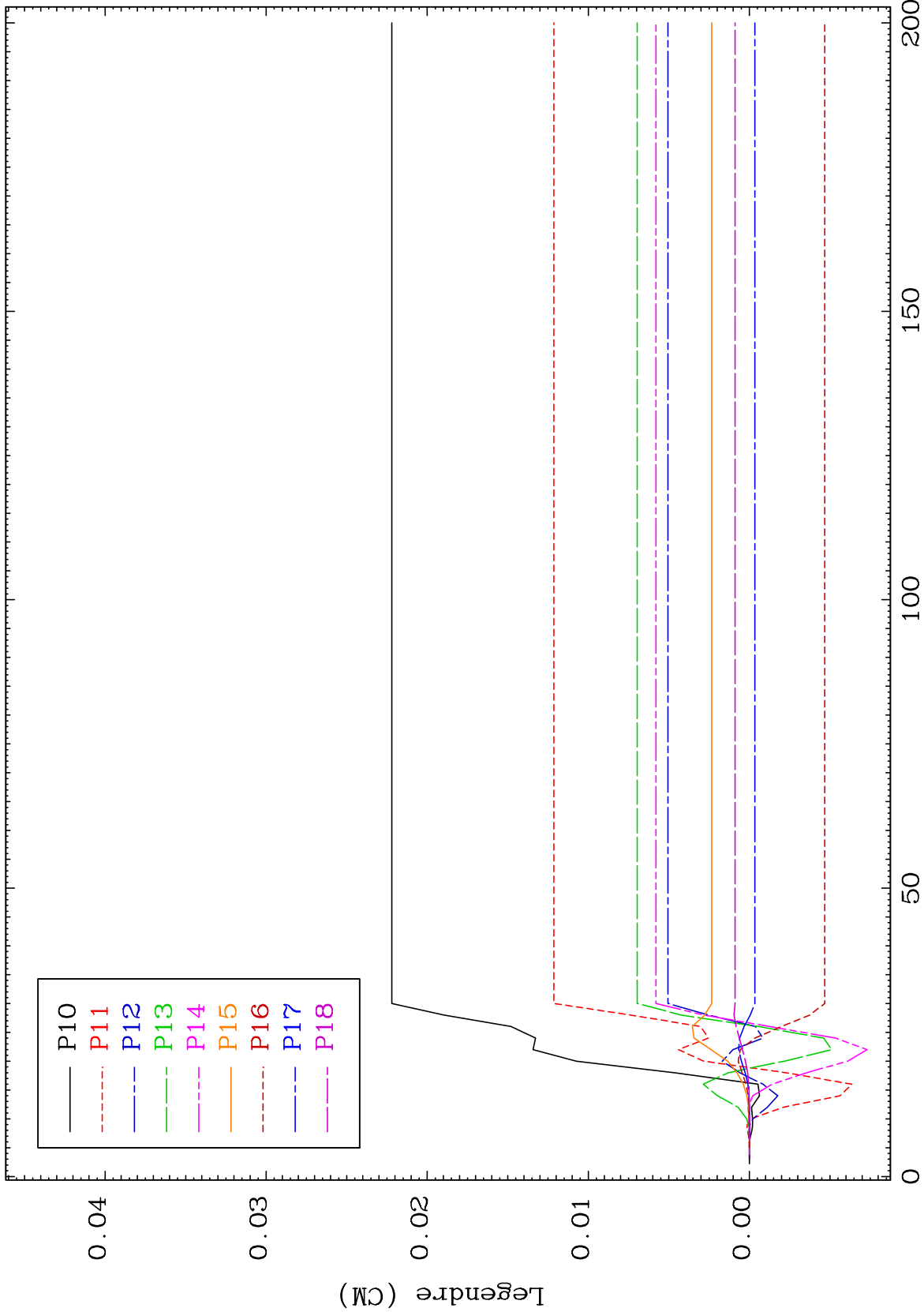
49-In-123



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Incident Energy (MeV)

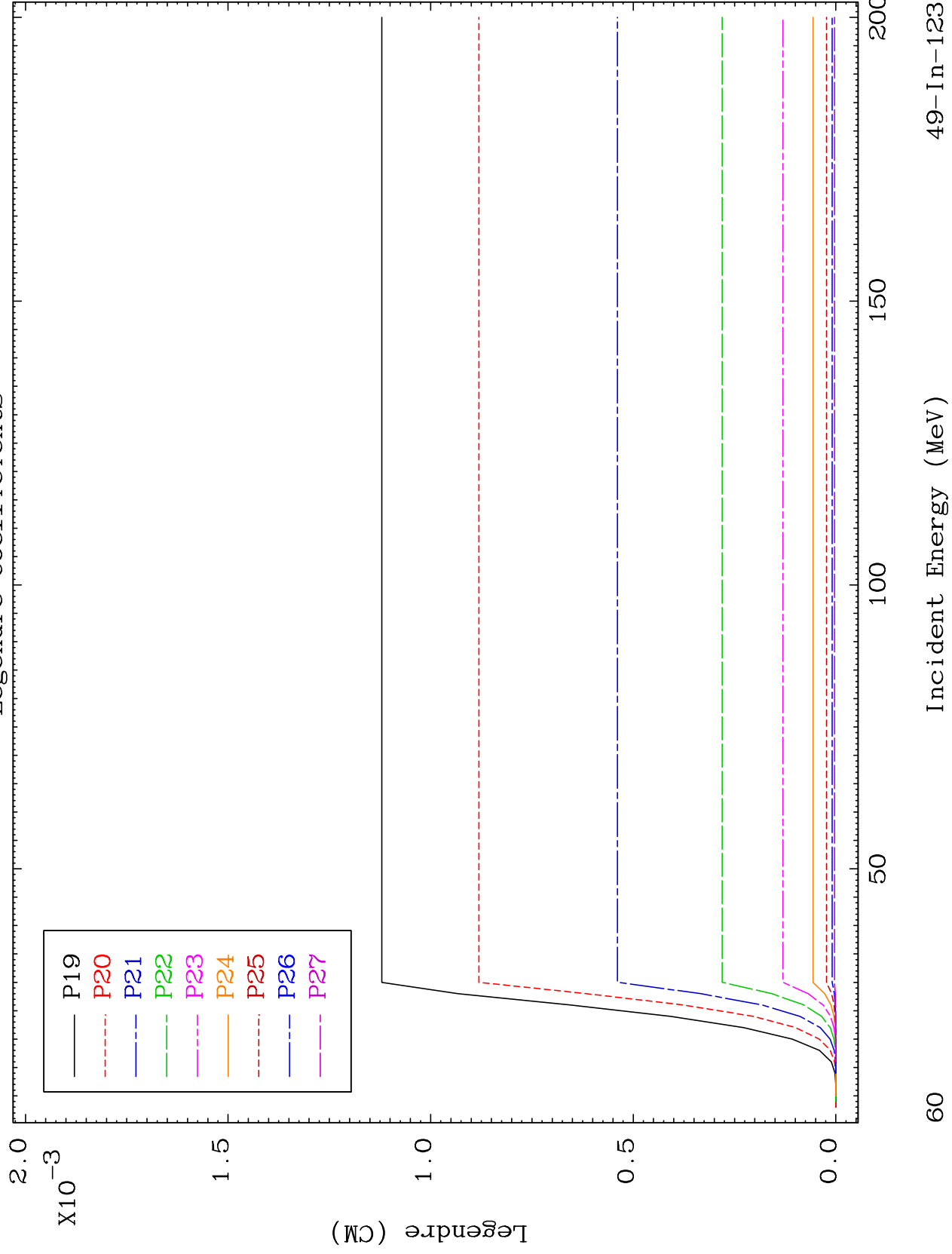
49-In-123



MAT 4955

1.926 MeV (n,n') Level
Legendre Coefficients

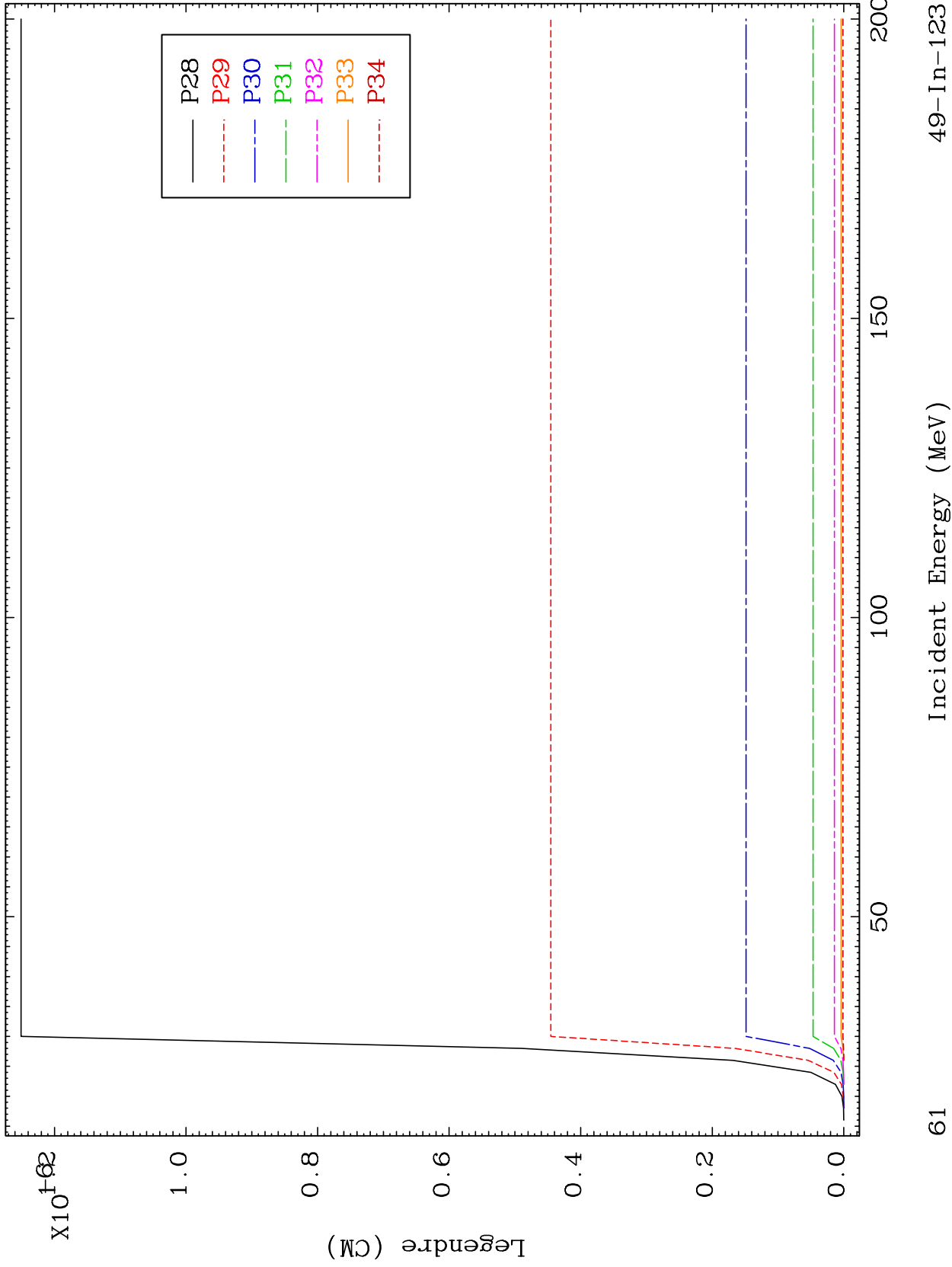
49-In-123



MAT 4955

1.926 MeV (n,n') Level
Legendre Coefficients

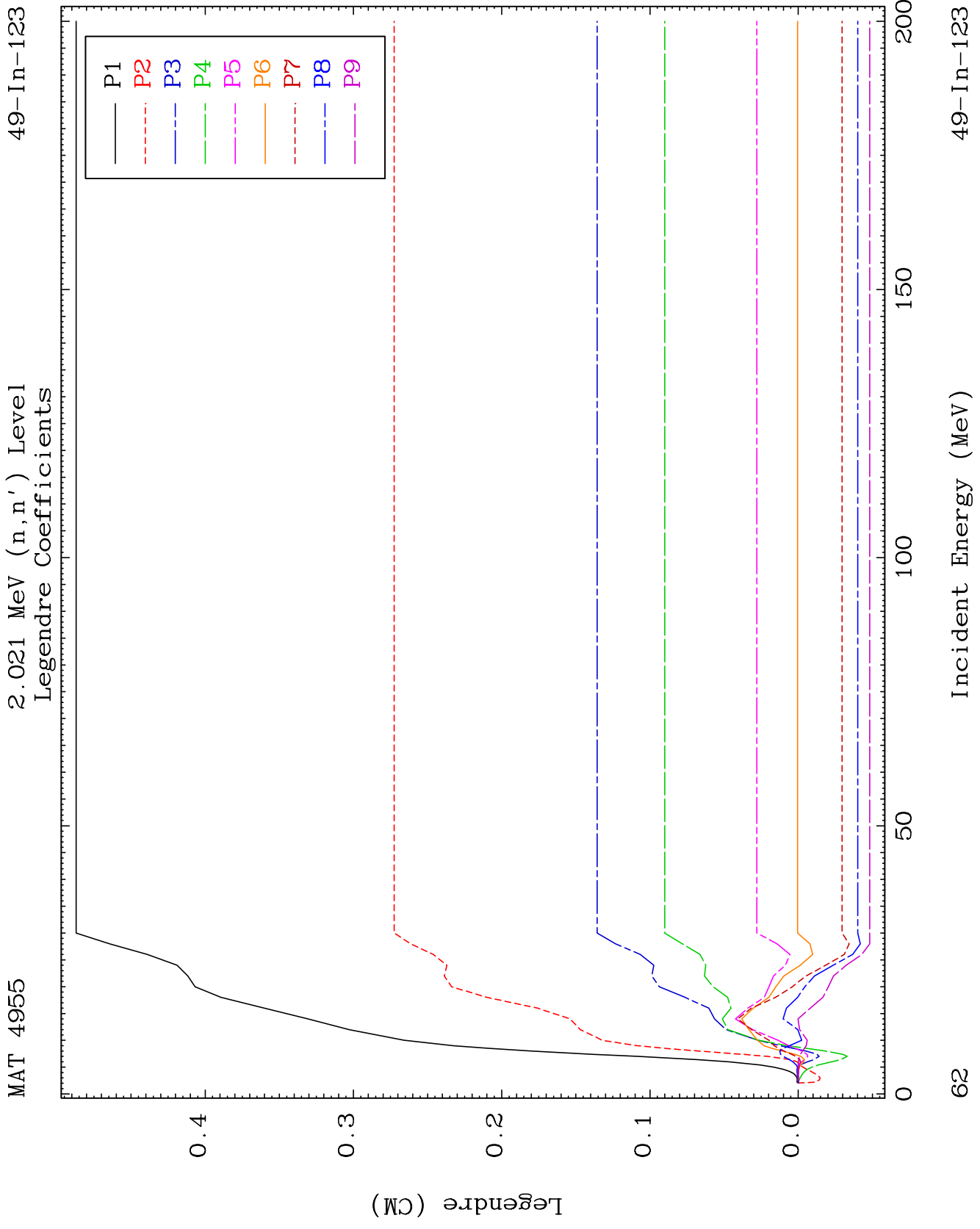
49-In-123



61

Incident Energy (MeV)

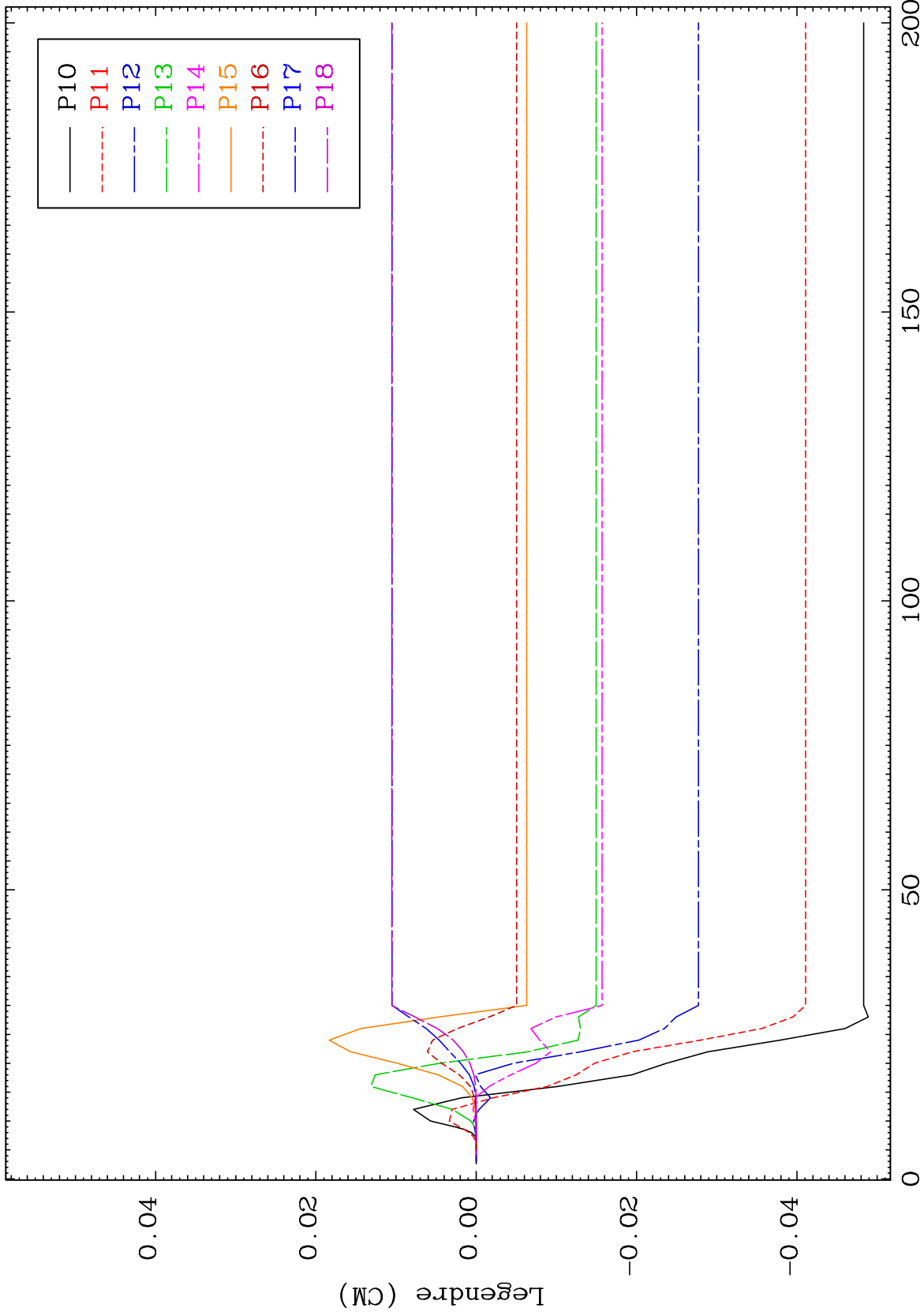
49-In-123



MAT 4955

2.021 MeV (n,n') Level
Legendre Coefficients

49-In-123



63

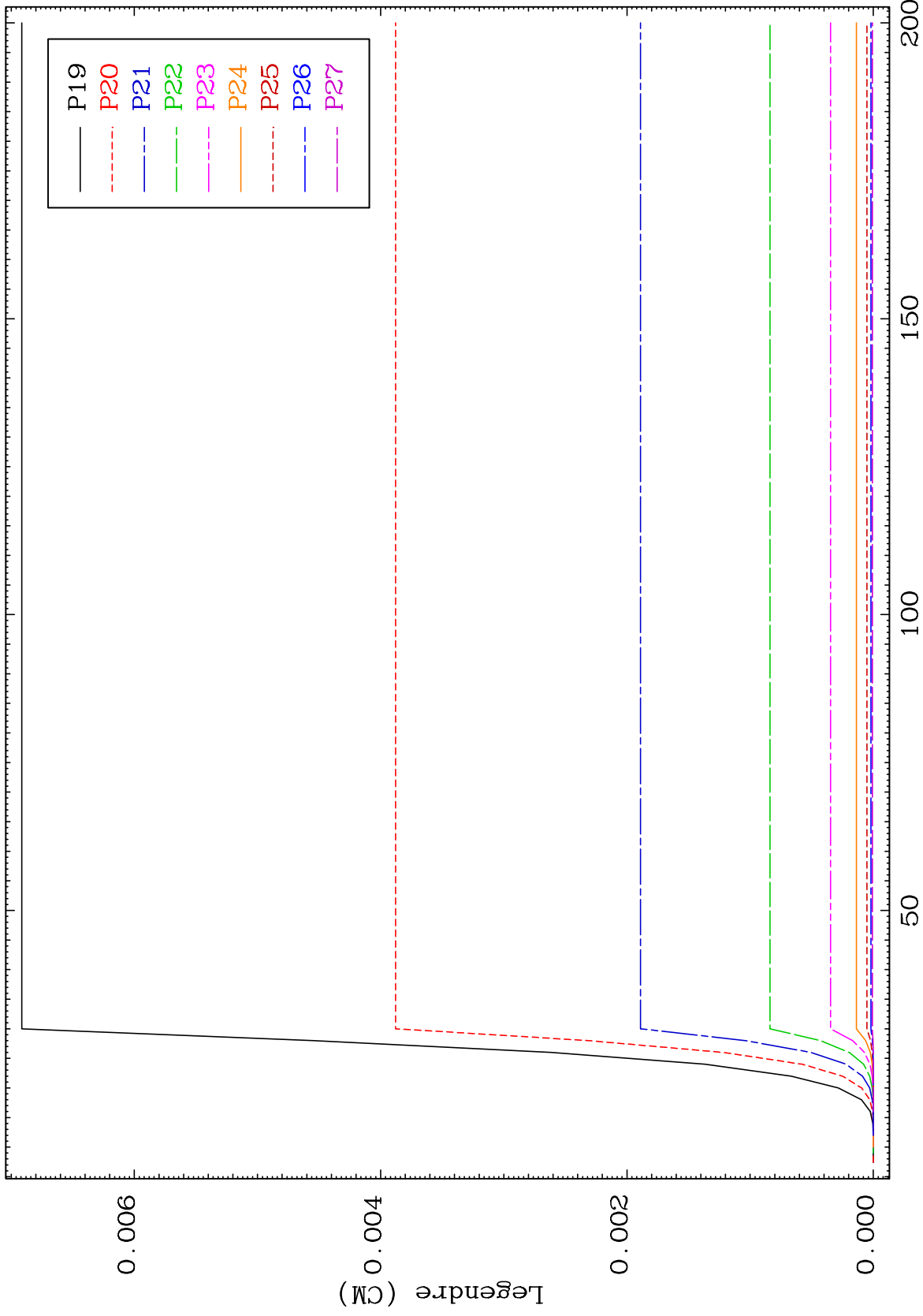
Incident Energy (MeV)

49-In-123

MAT 4955

2.021 MeV (n,n') Level
Legendre Coefficients

49-In-123



64

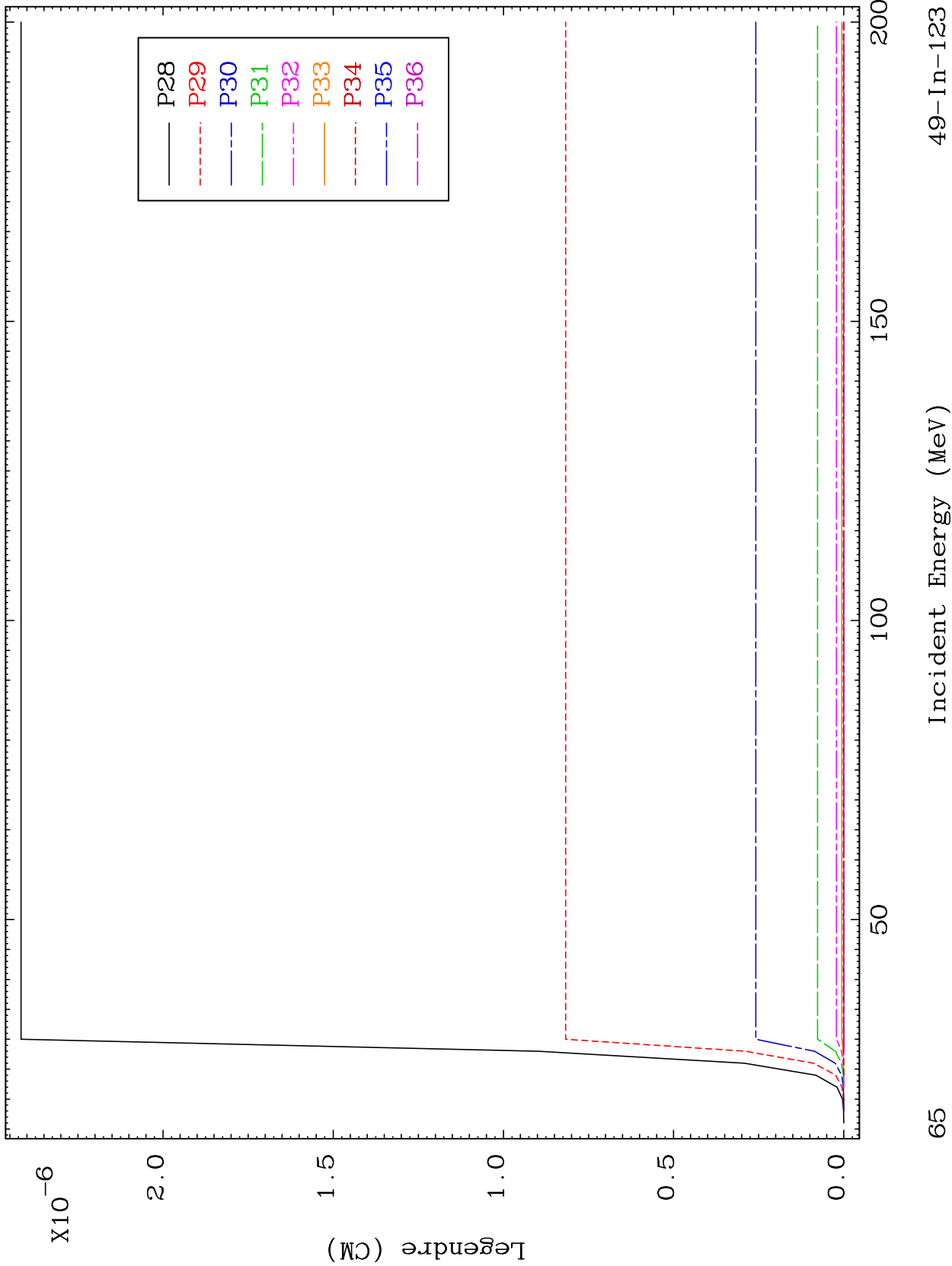
Incident Energy (MeV)

49-In-123

MAT 4955

2.021 MeV (n, n') Level
Legendre Coefficients

49-In-123



65

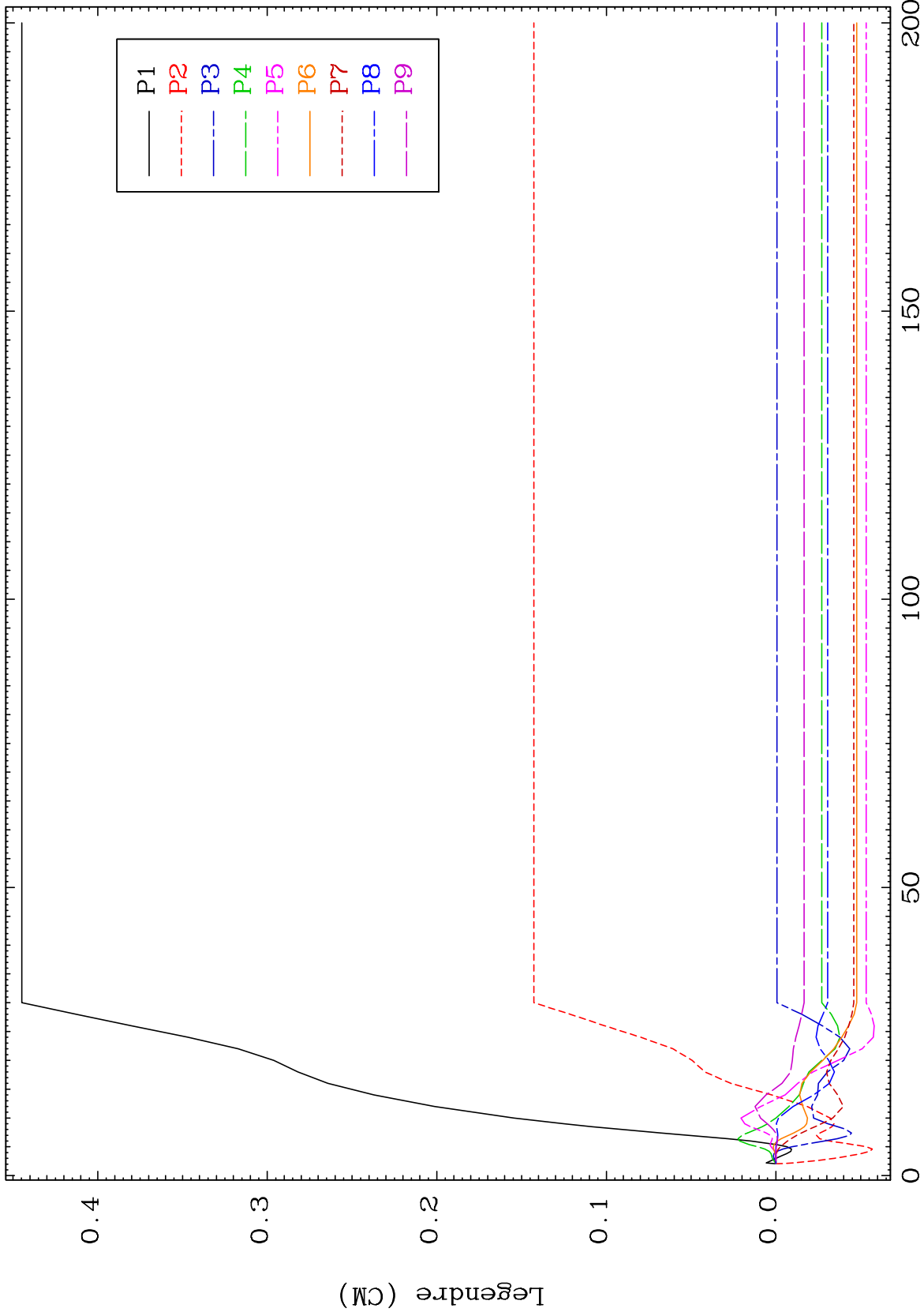
49-In-123

49-In-123

MAT 4955

2.030 MeV (n,n') Level
Legendre Coefficients

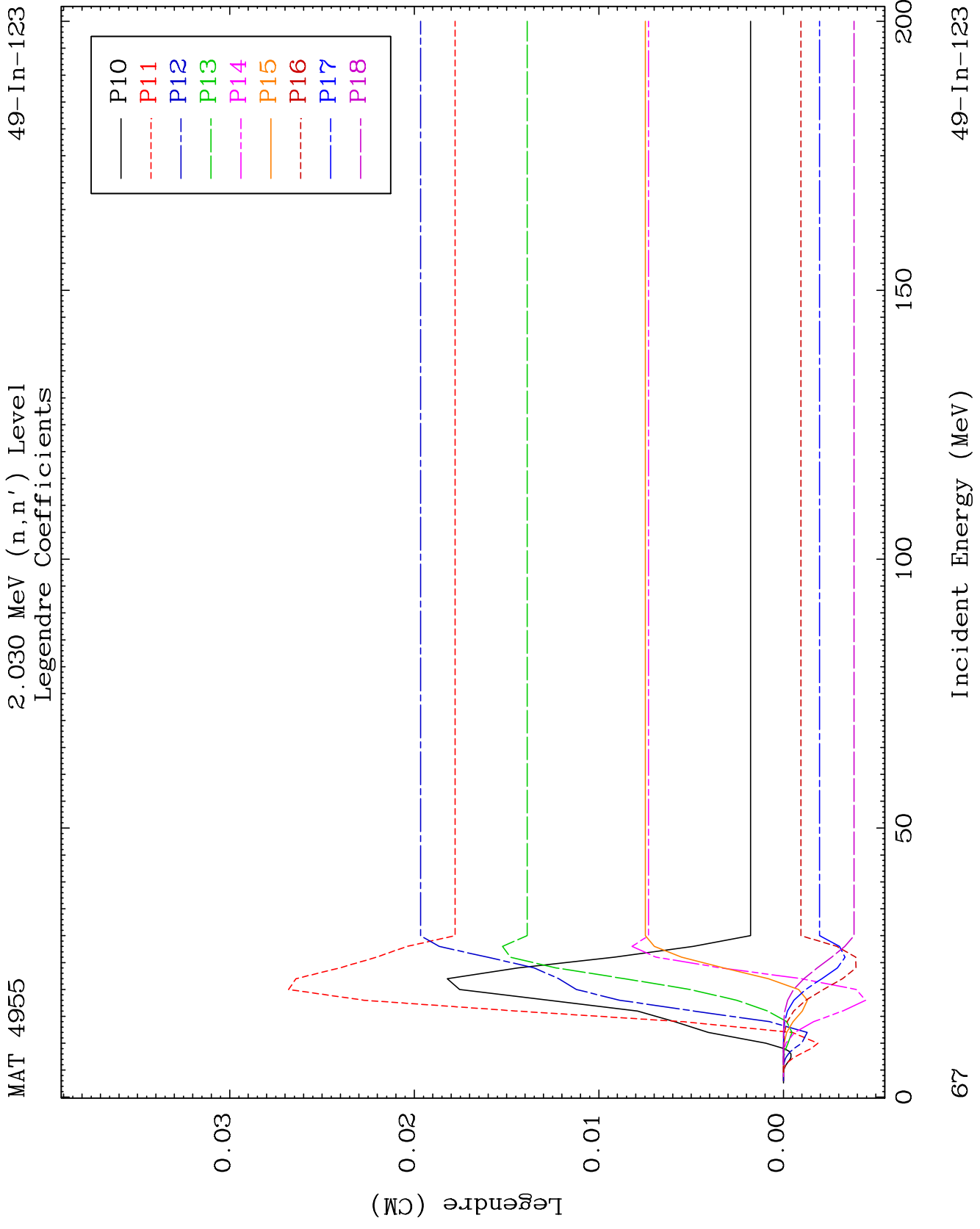
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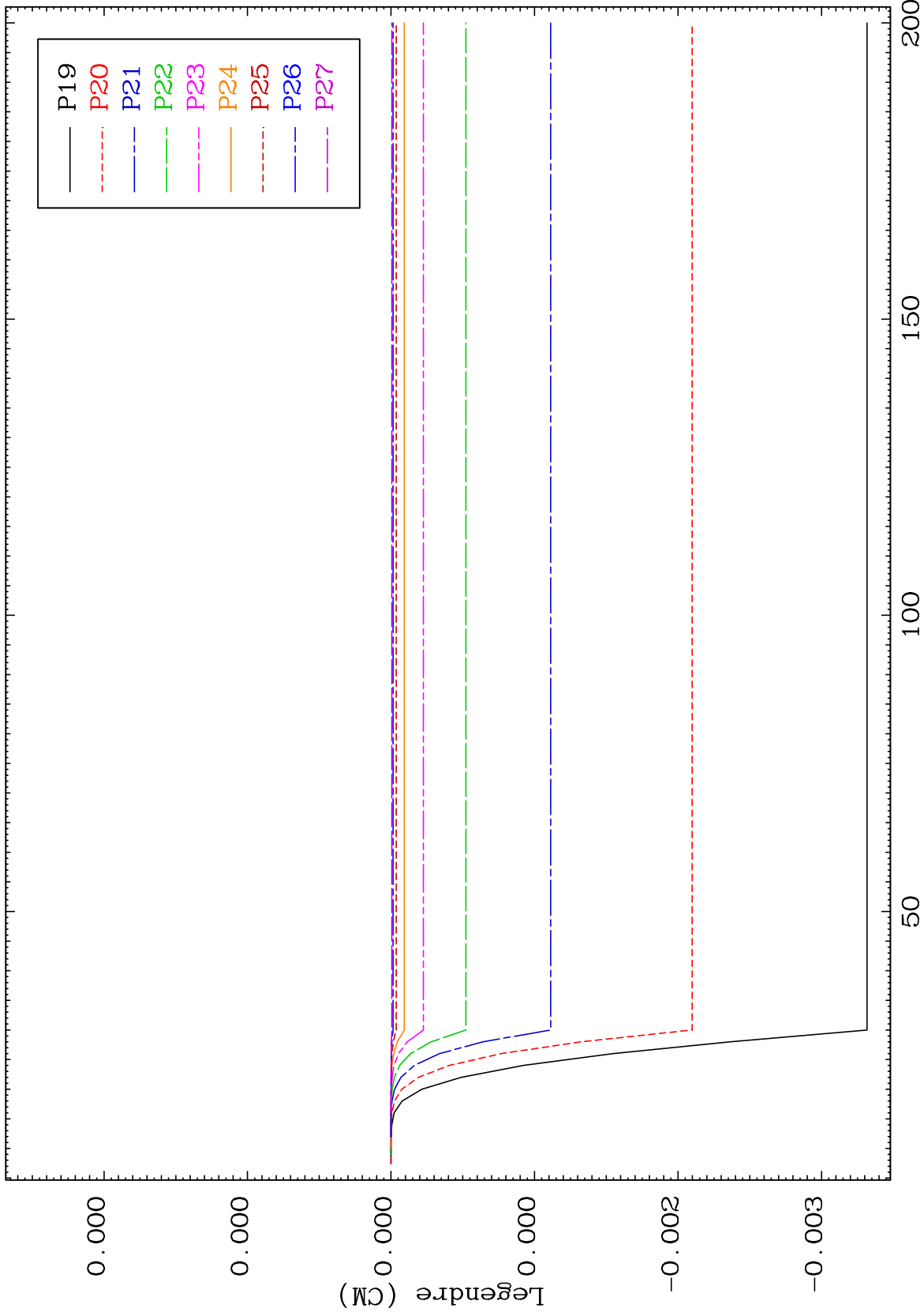


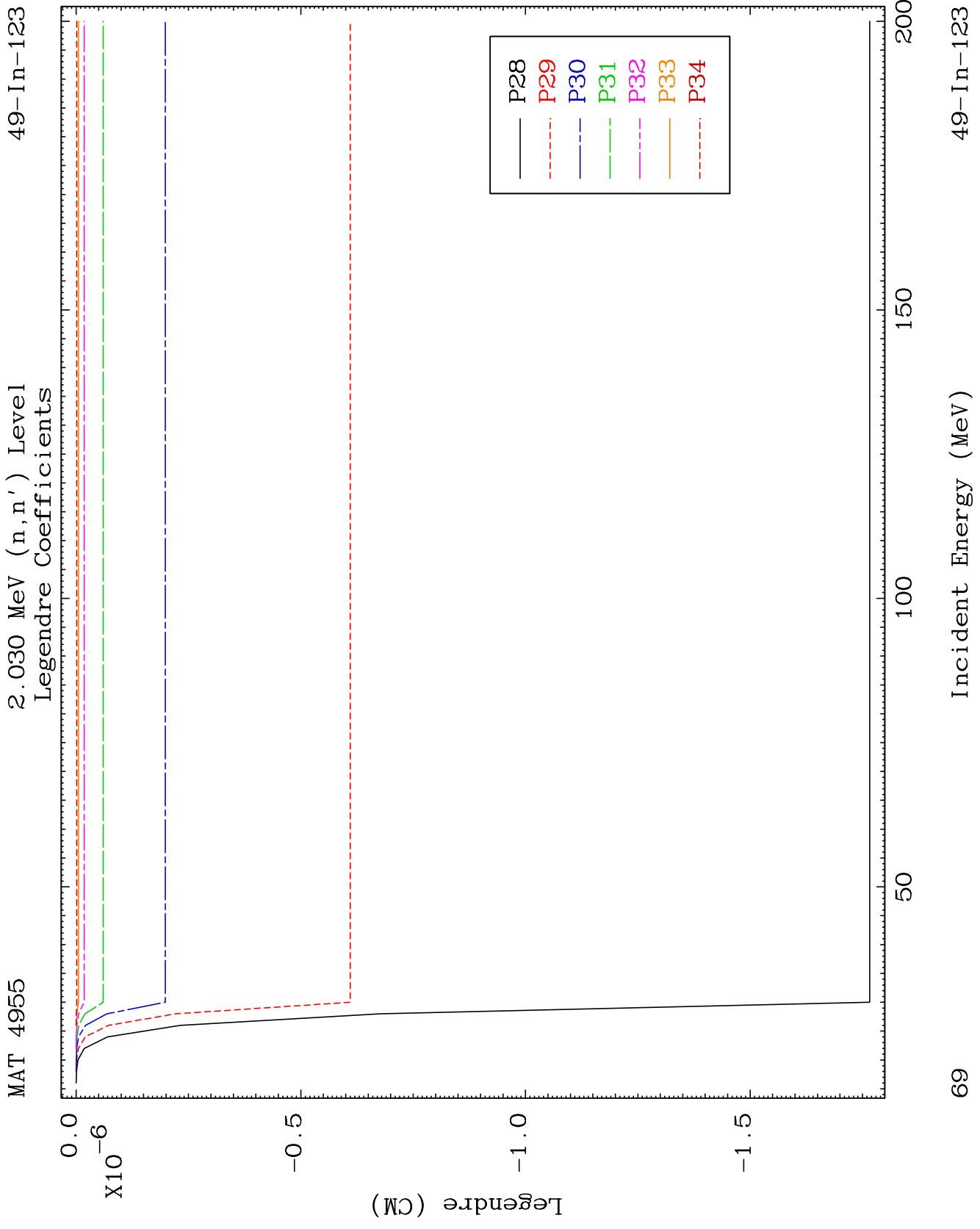
66

Incident Energy (MeV)

49-In-123



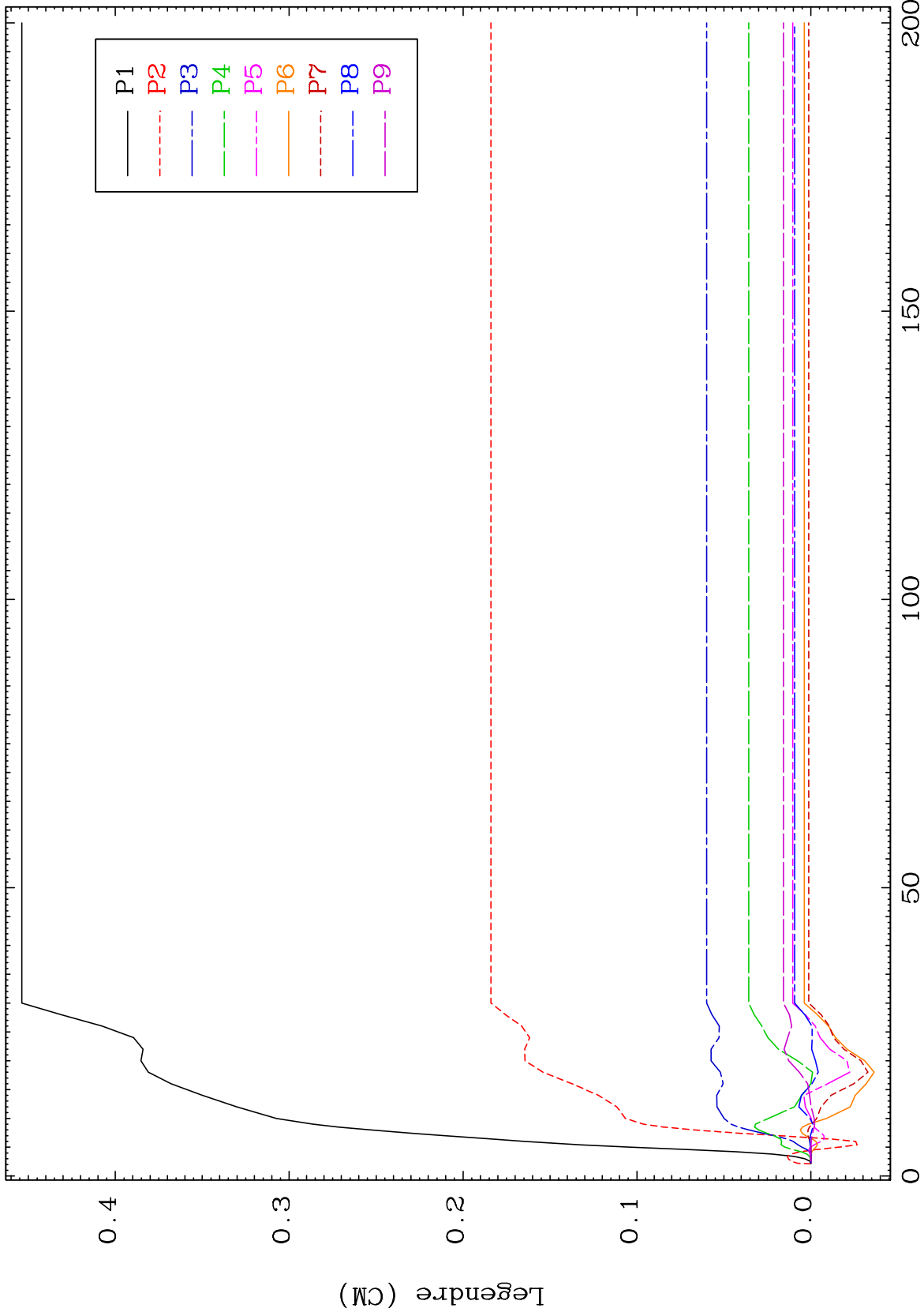




MAT 4955

2.101 MeV (n,n') Level
Legendre Coefficients

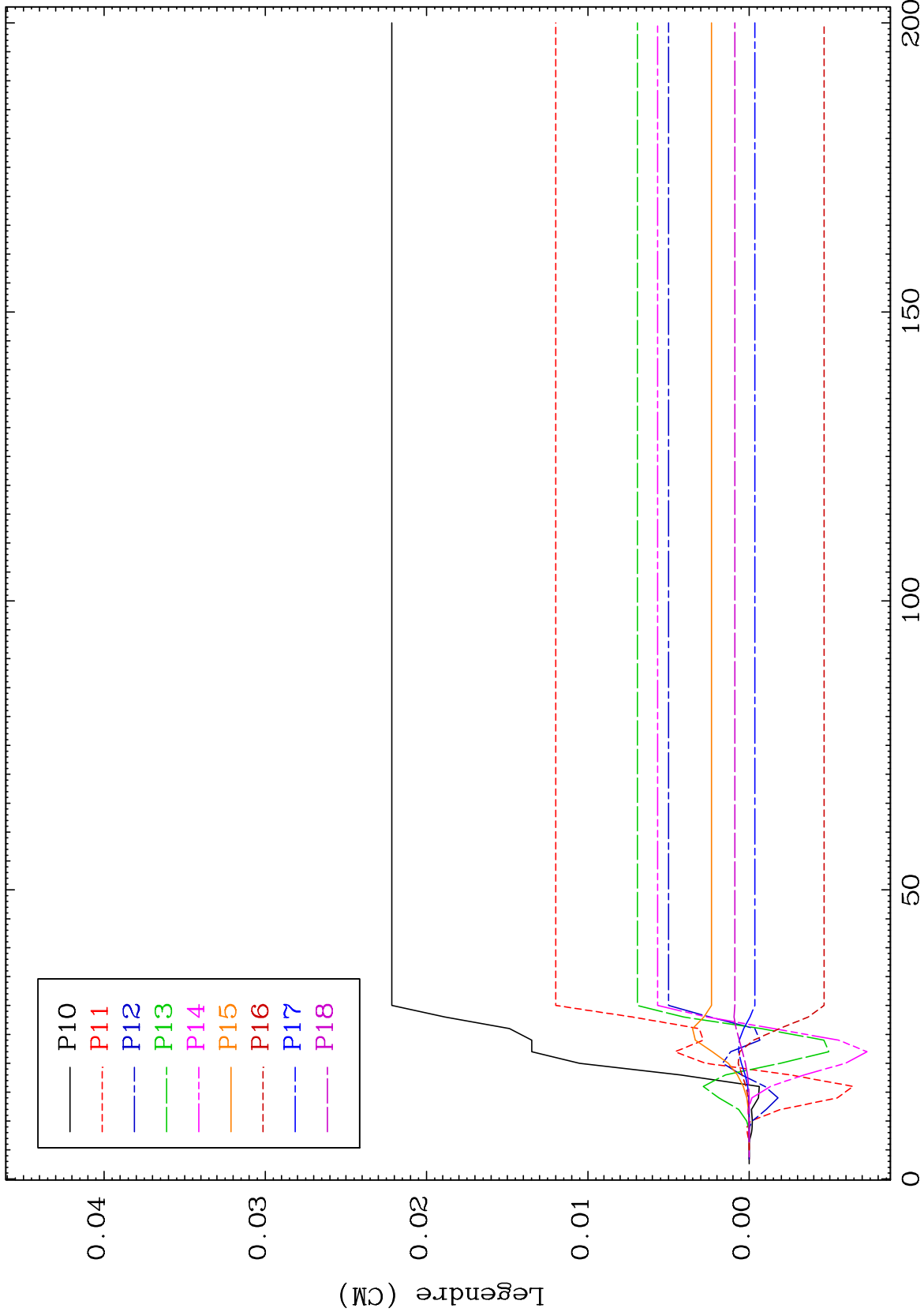
49-In-123

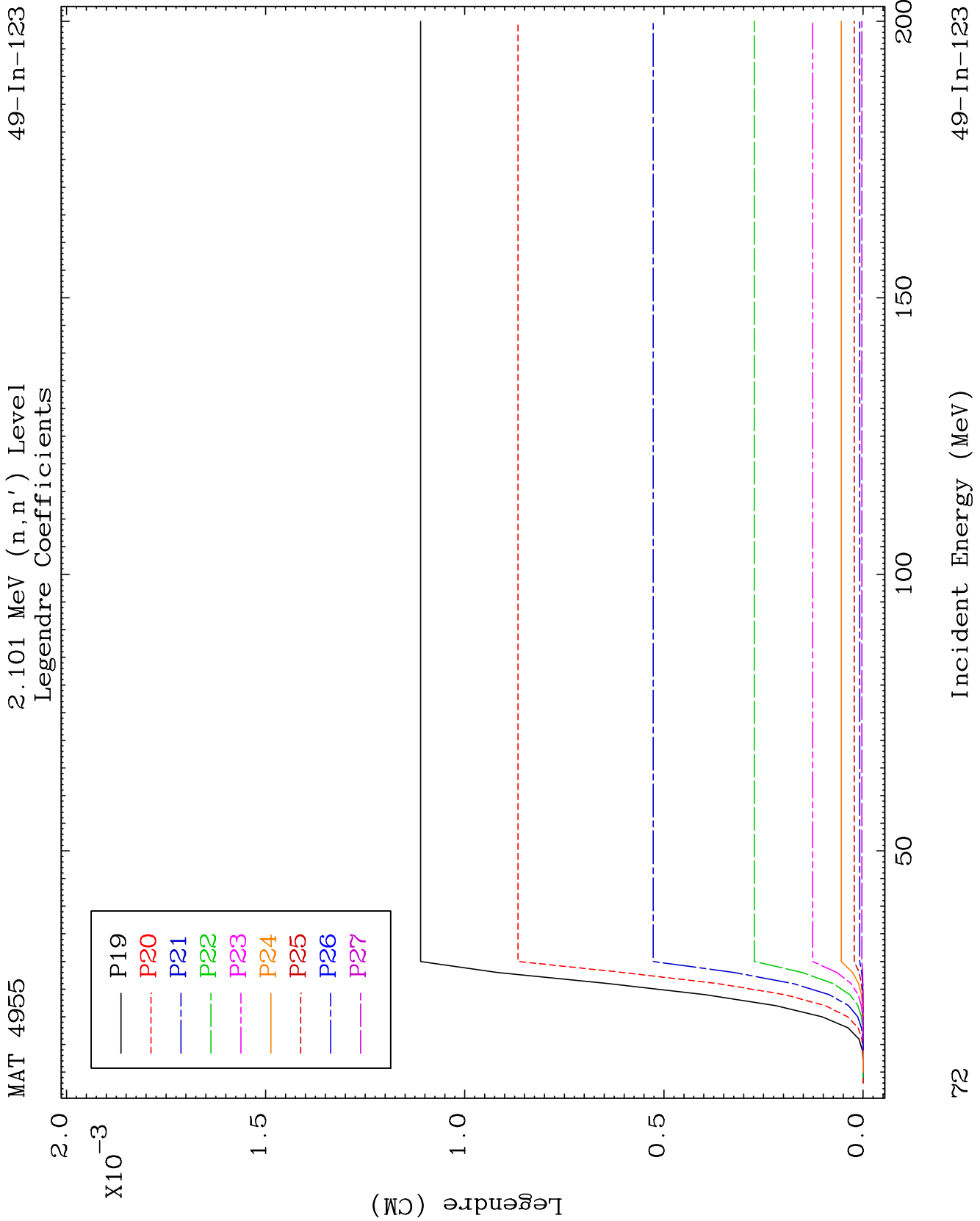


49-In-123

Incident Energy (MeV)

70



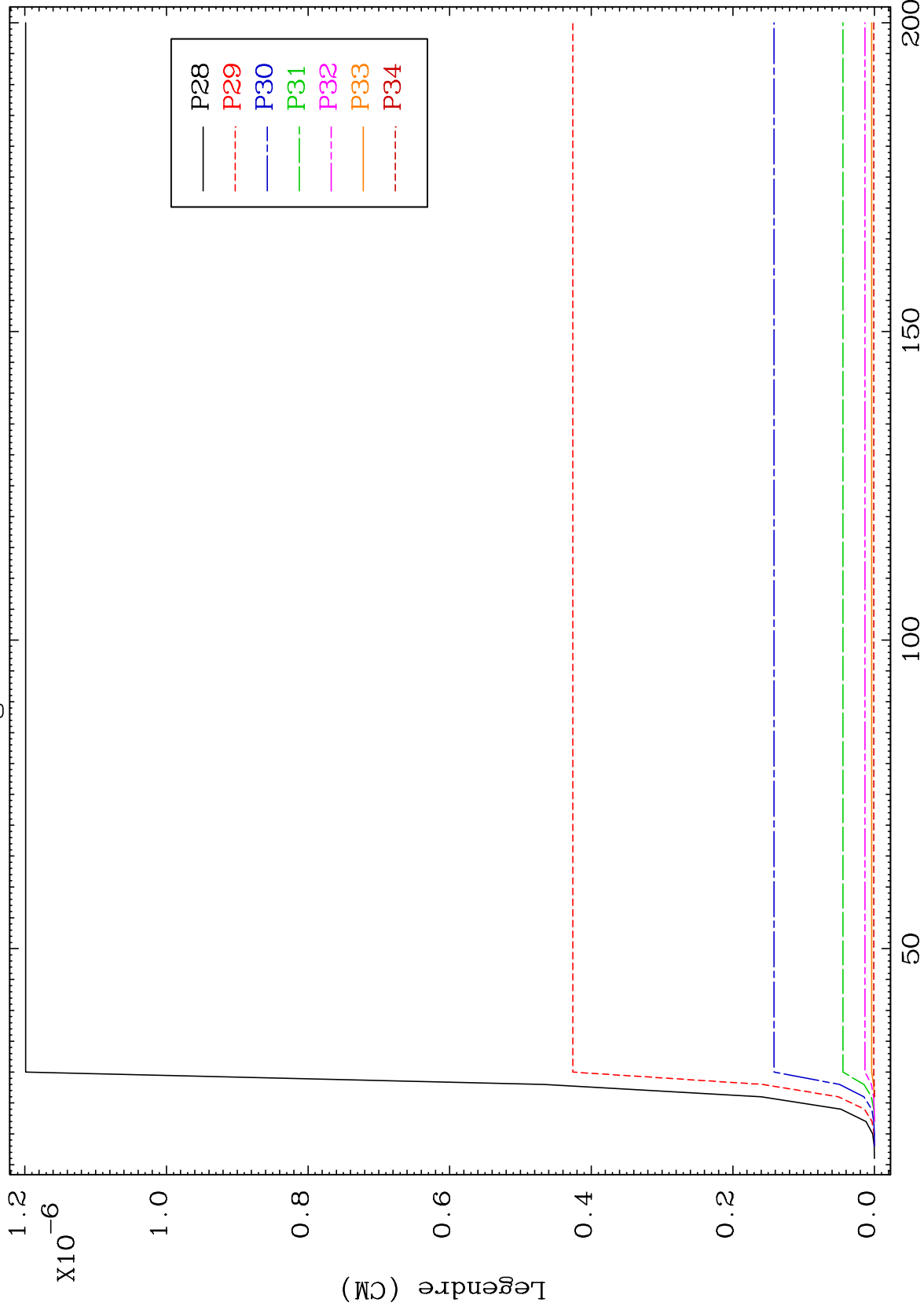


MAT 4955

2.101 MeV (n,n') Level

49-In-123

Legendre Coefficients



49-In-123

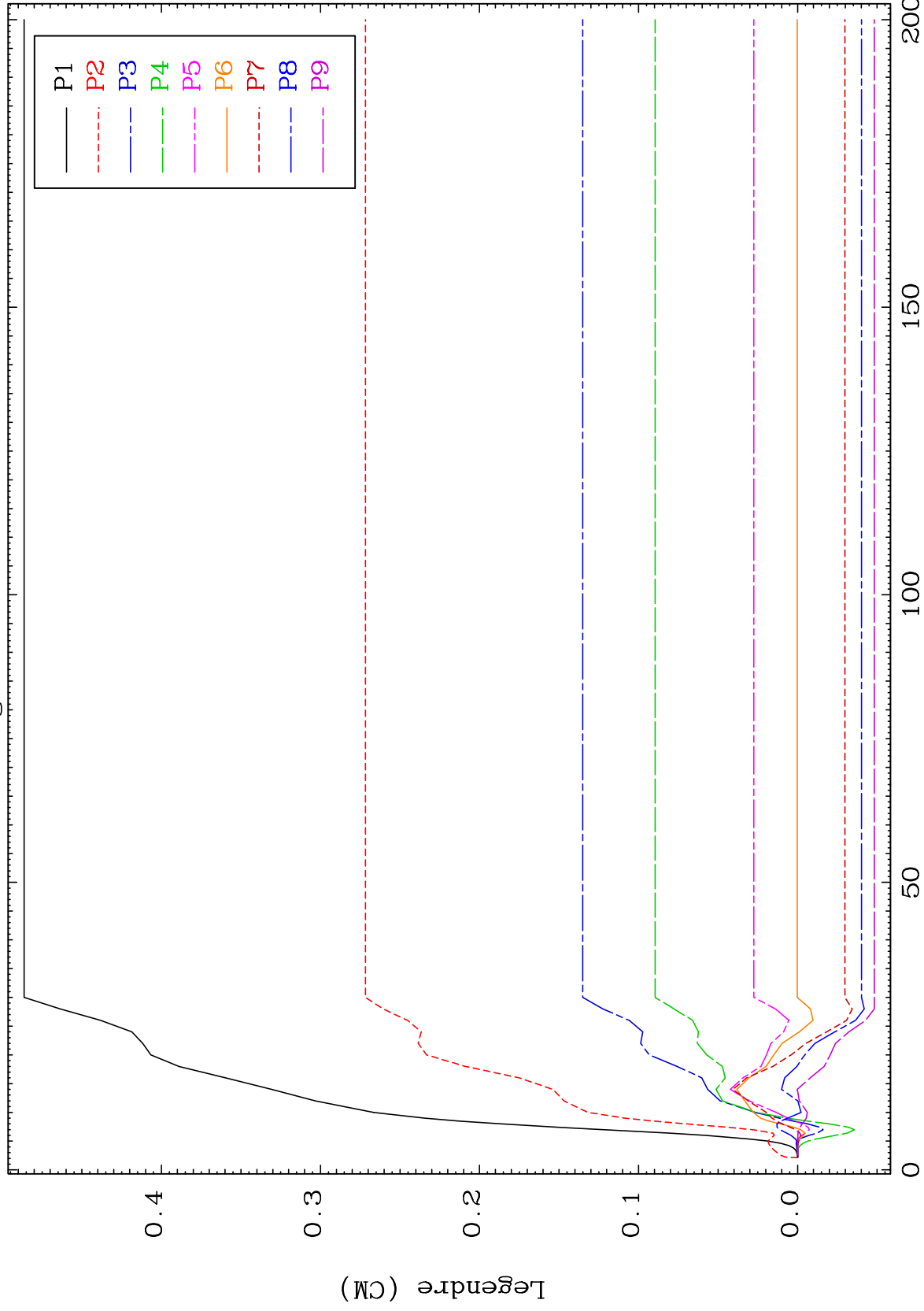
Incident Energy (MeV)

73

MAT 4955

2.103 MeV (n,n') Level
Legendre Coefficients

49-In-123



74

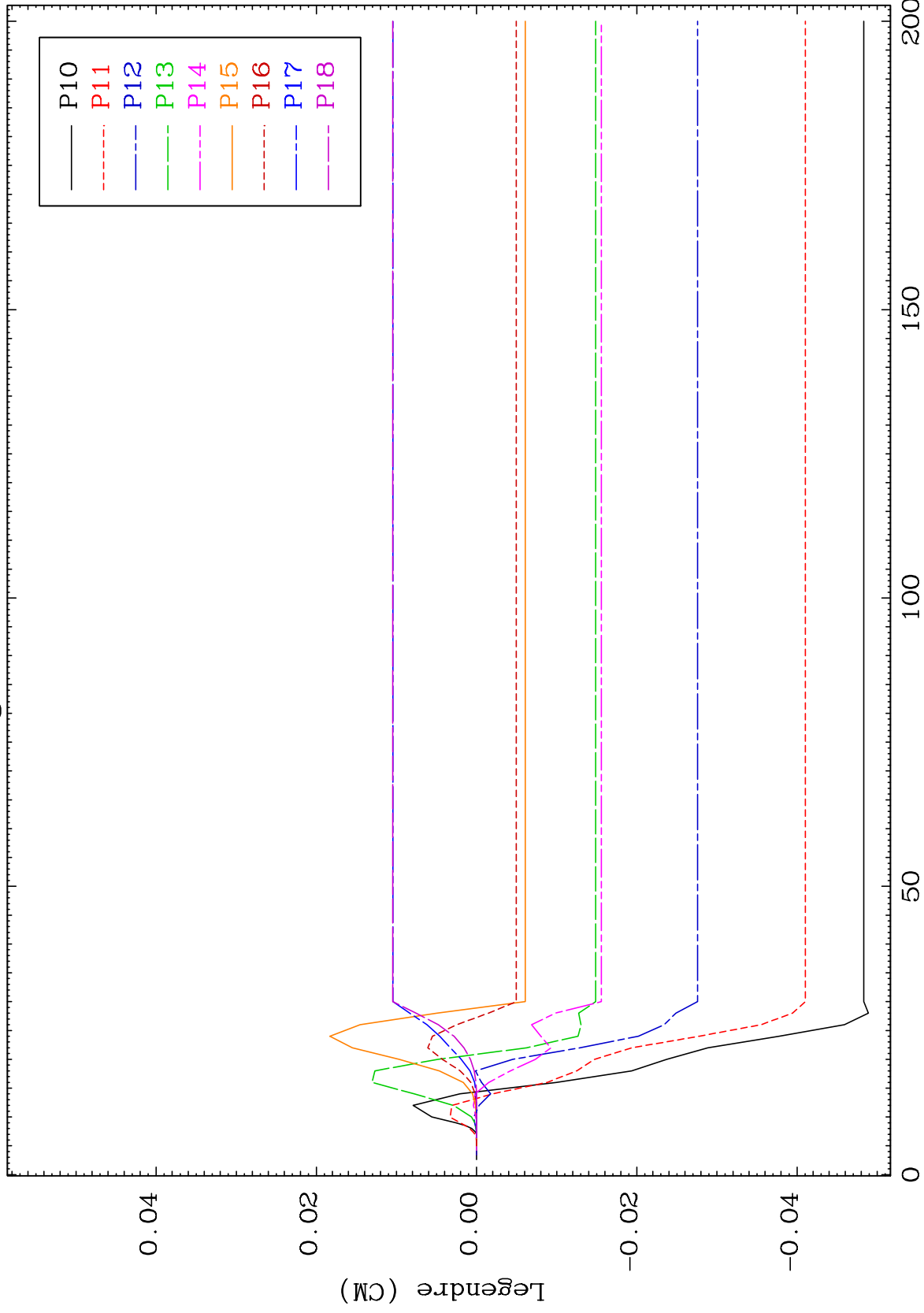
Incident Energy (MeV)

49-In-123

MAT 4955

2.103 MeV (n,n') Level
Legendre Coefficients

49-In-123



75

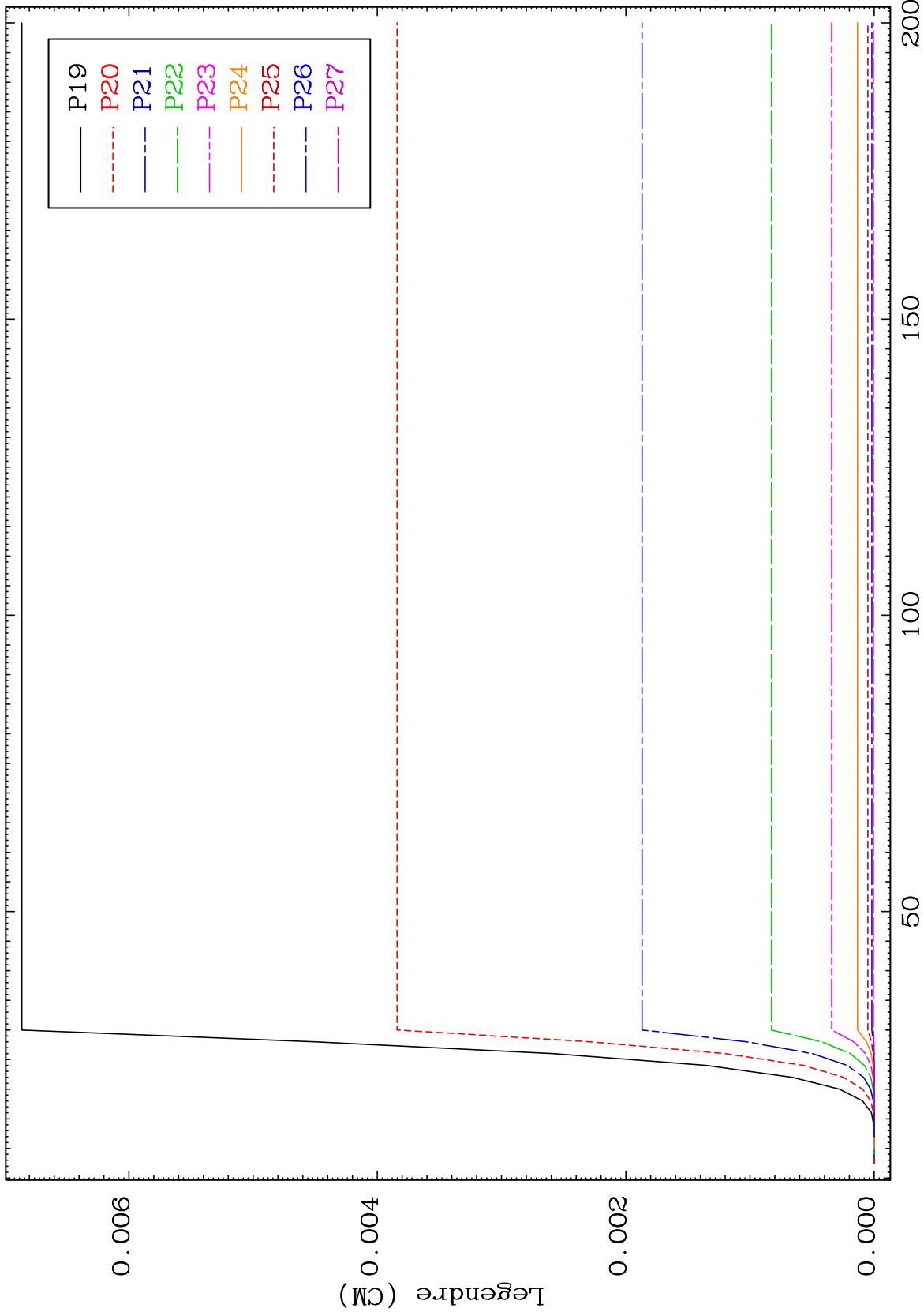
Incident Energy (MeV)

49-In-123

MAT 4955

2.103 MeV (n,n') Level
Legendre Coefficients

49-In-123



76

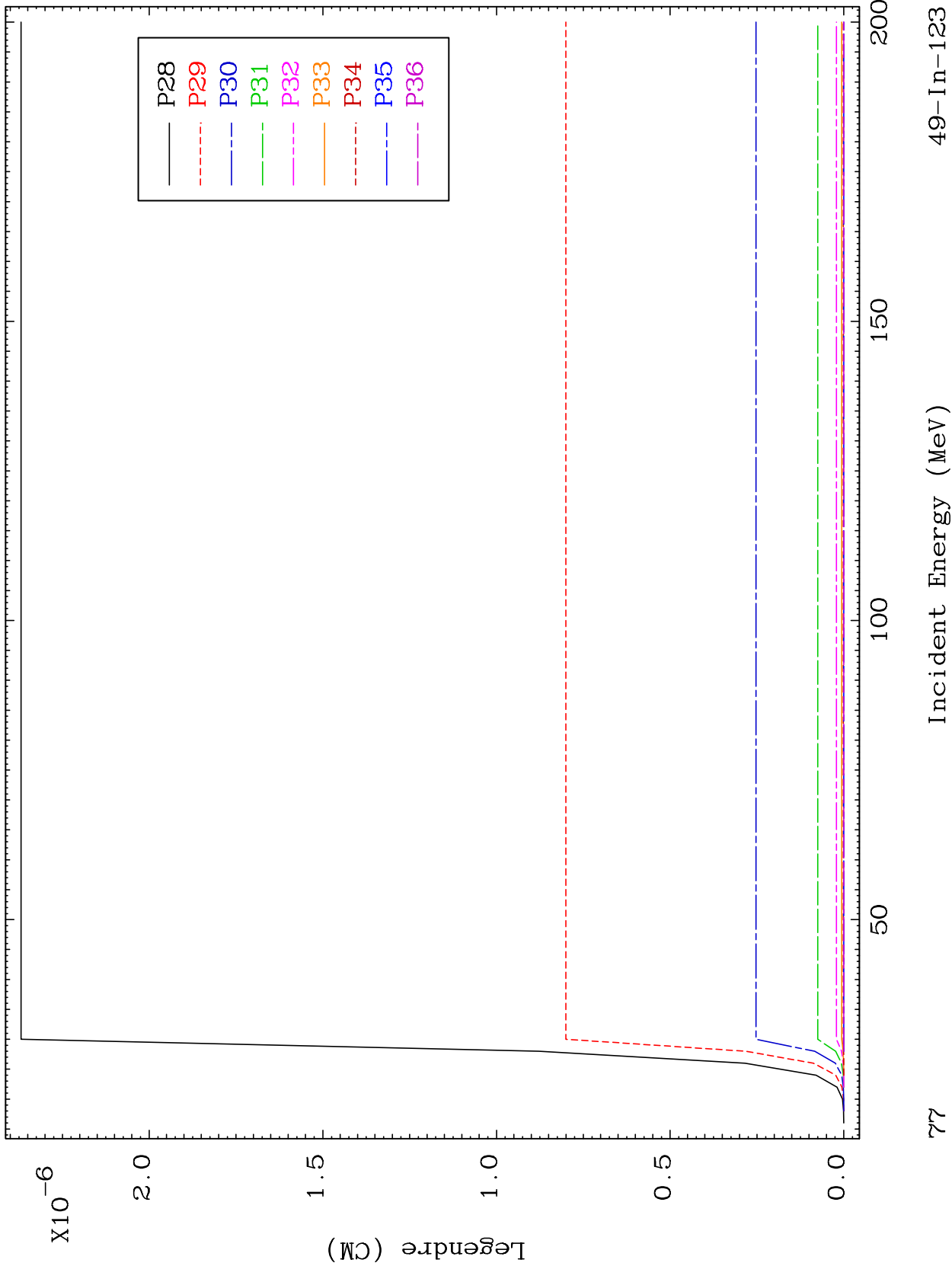
Incident Energy (MeV)

49-In-123

MAT 4955

2.103 MeV (n,n') Level
Legendre Coefficients

49-In-123



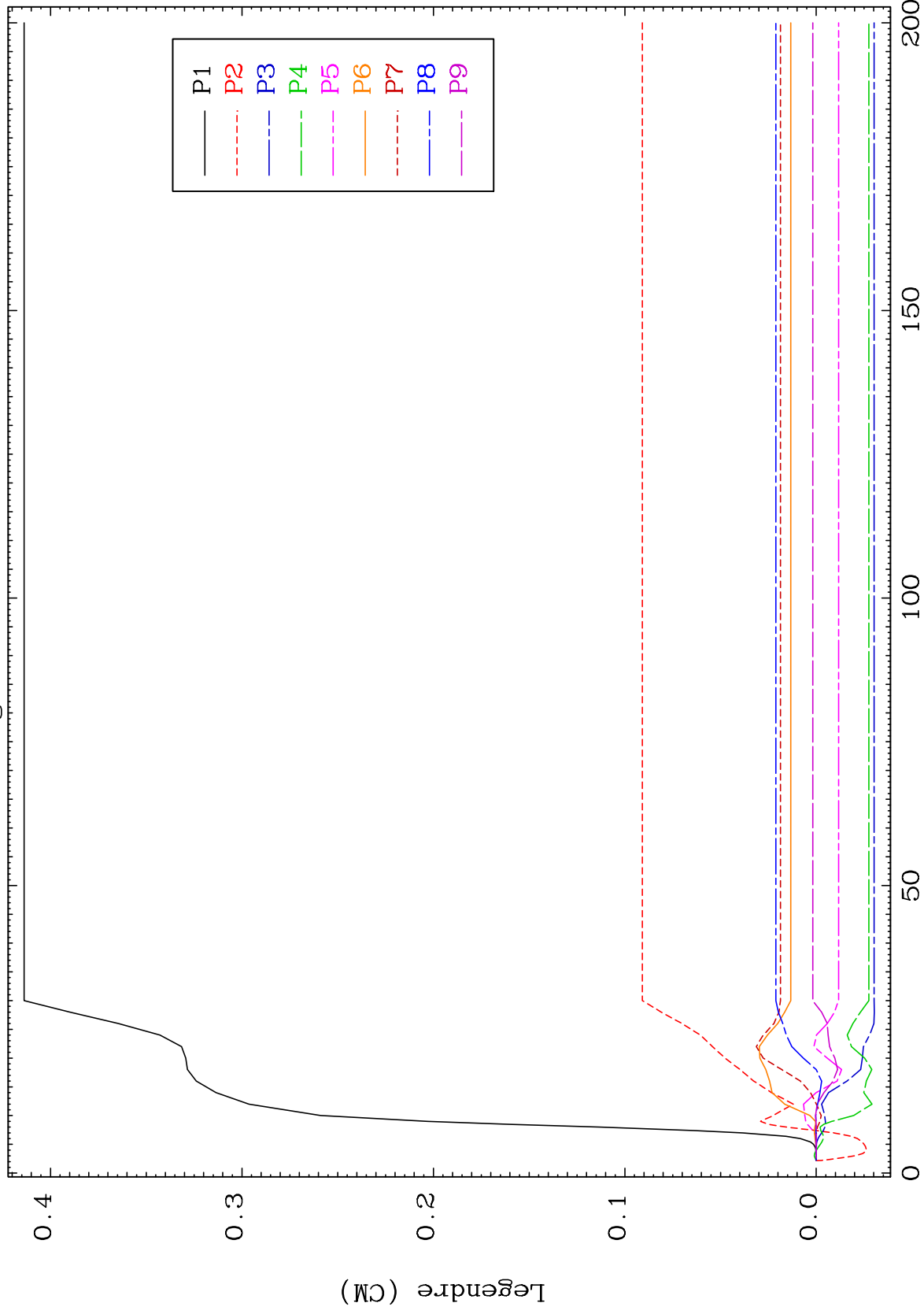
77

49-In-123

MAT 4955

2.137 MeV (n, n') Level
Legendre Coefficients

49-In-123



78

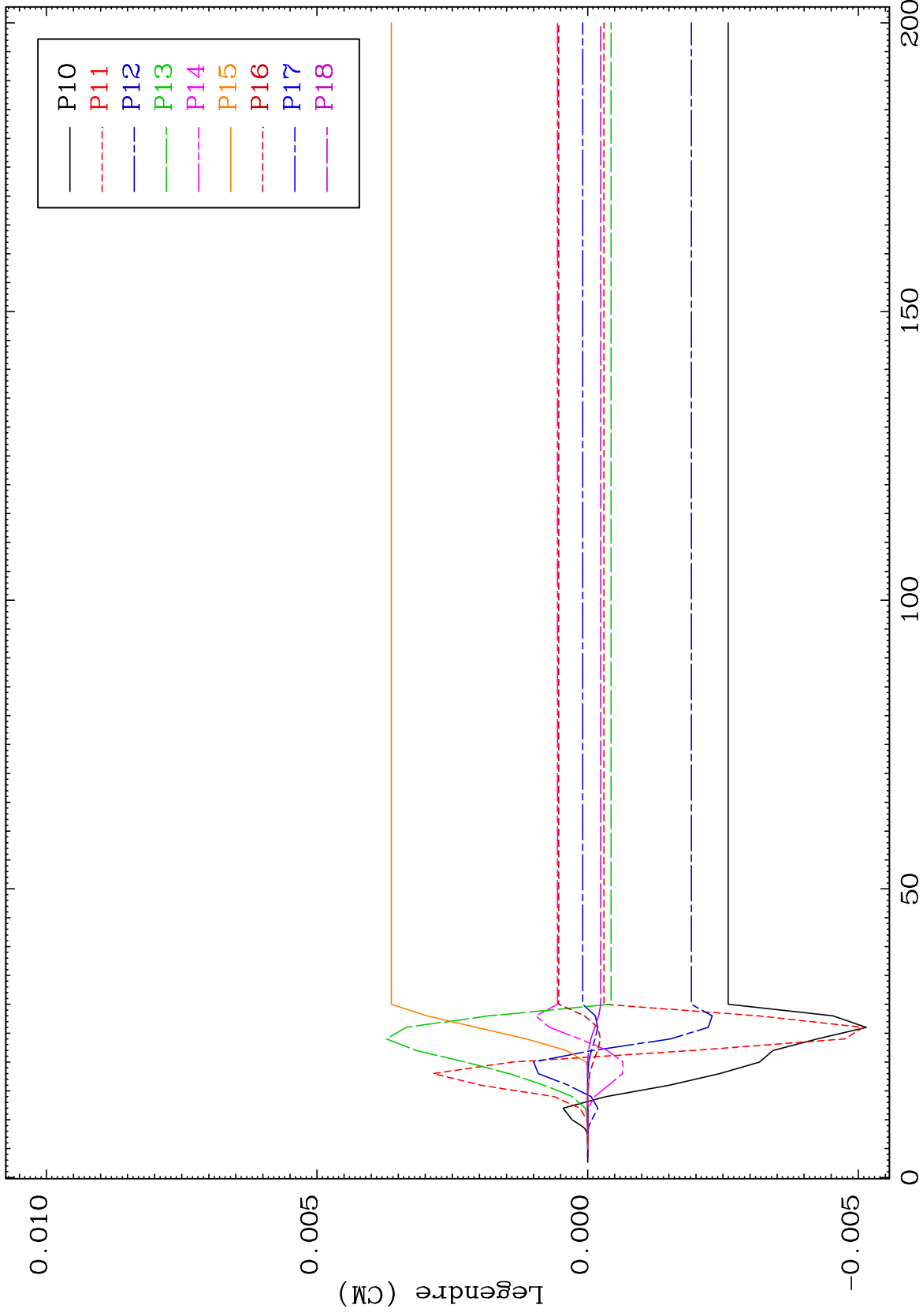
Incident Energy (MeV)

49-In-123

MAT 4955

2.137 MeV (n, n') Level
Legendre Coefficients

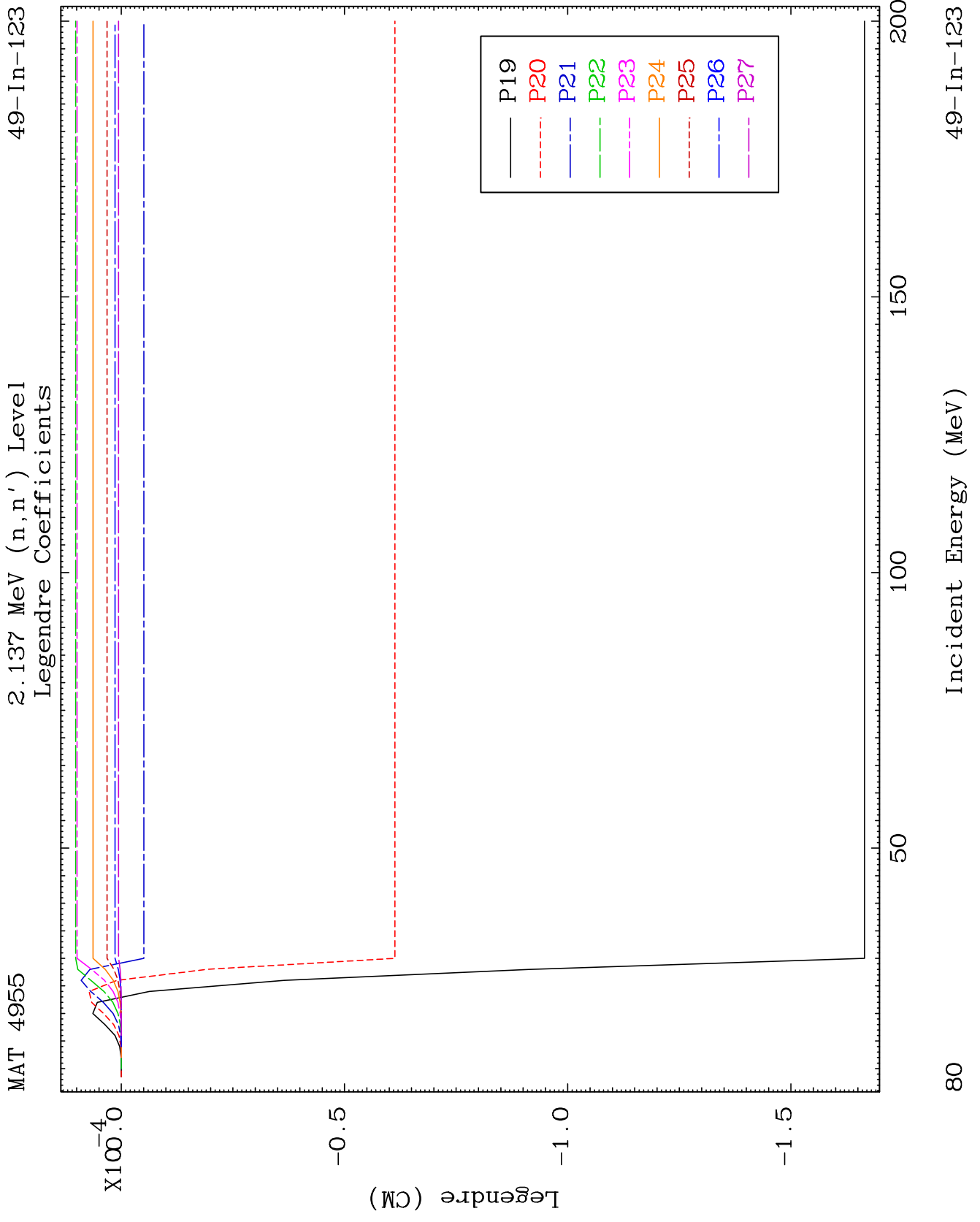
49-In-123

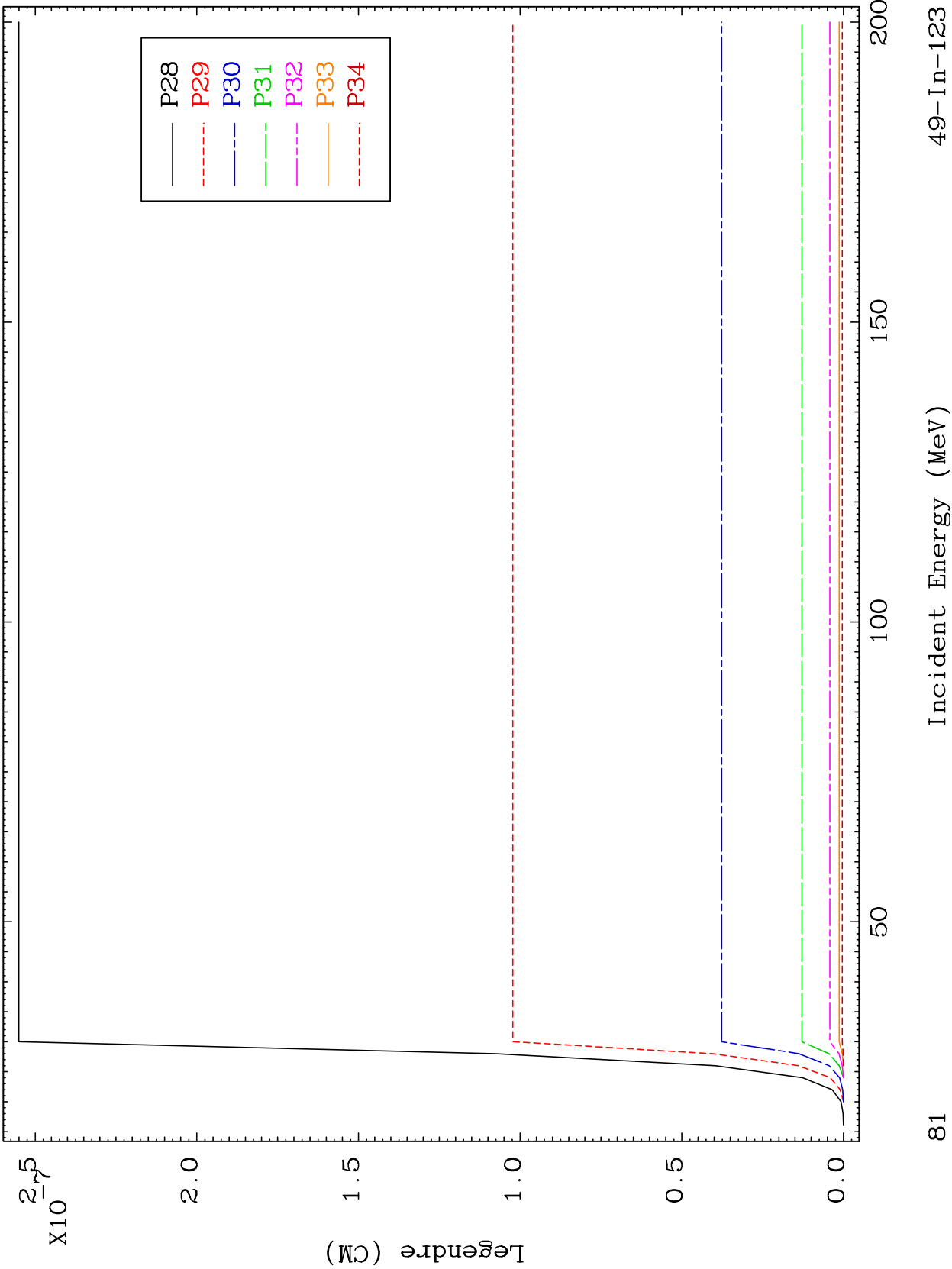


79

Incident Energy (MeV)

49-In-123

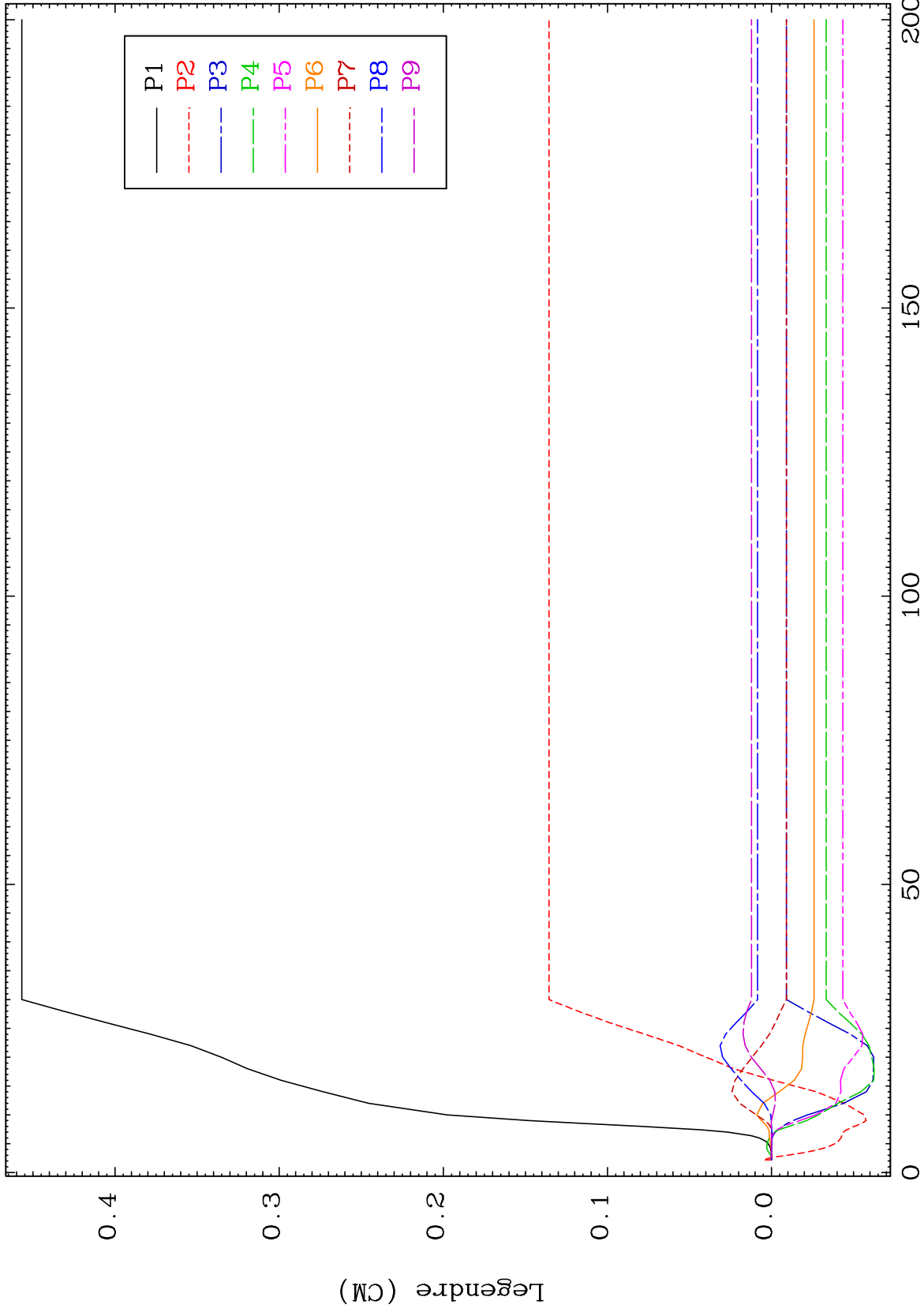




MAT 4955

2.159 MeV (n,n') Level
Legendre Coefficients

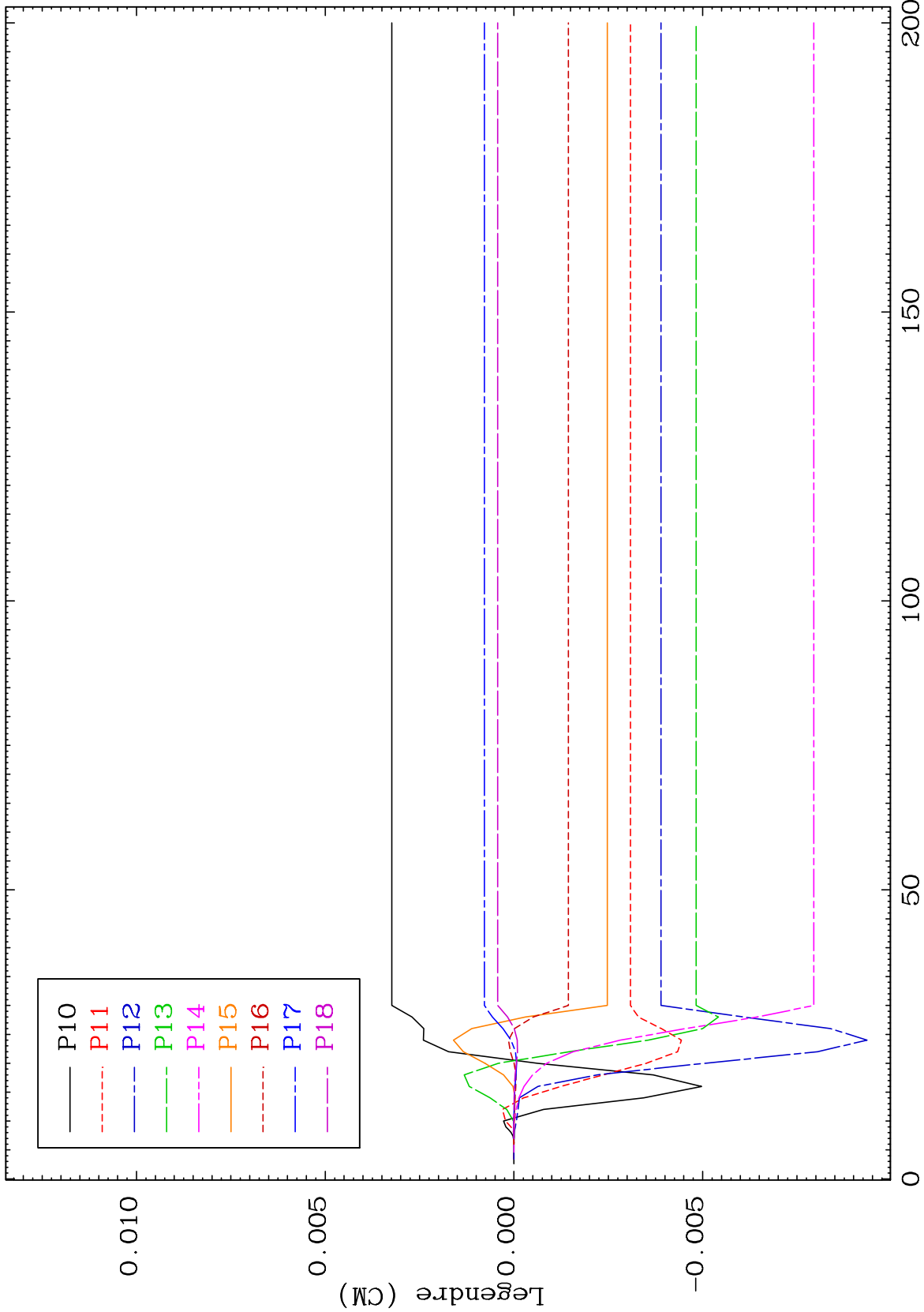
49-In-123

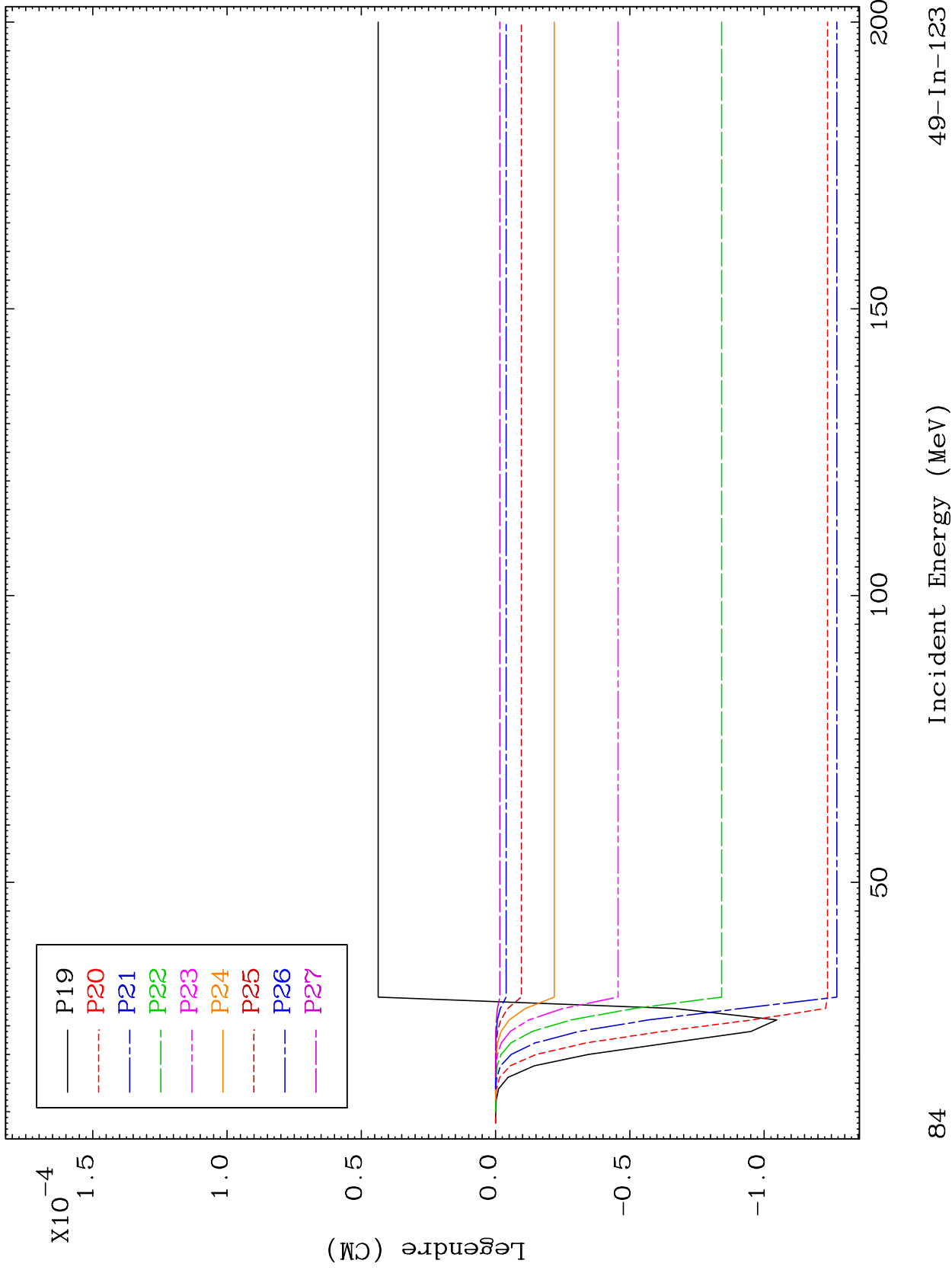


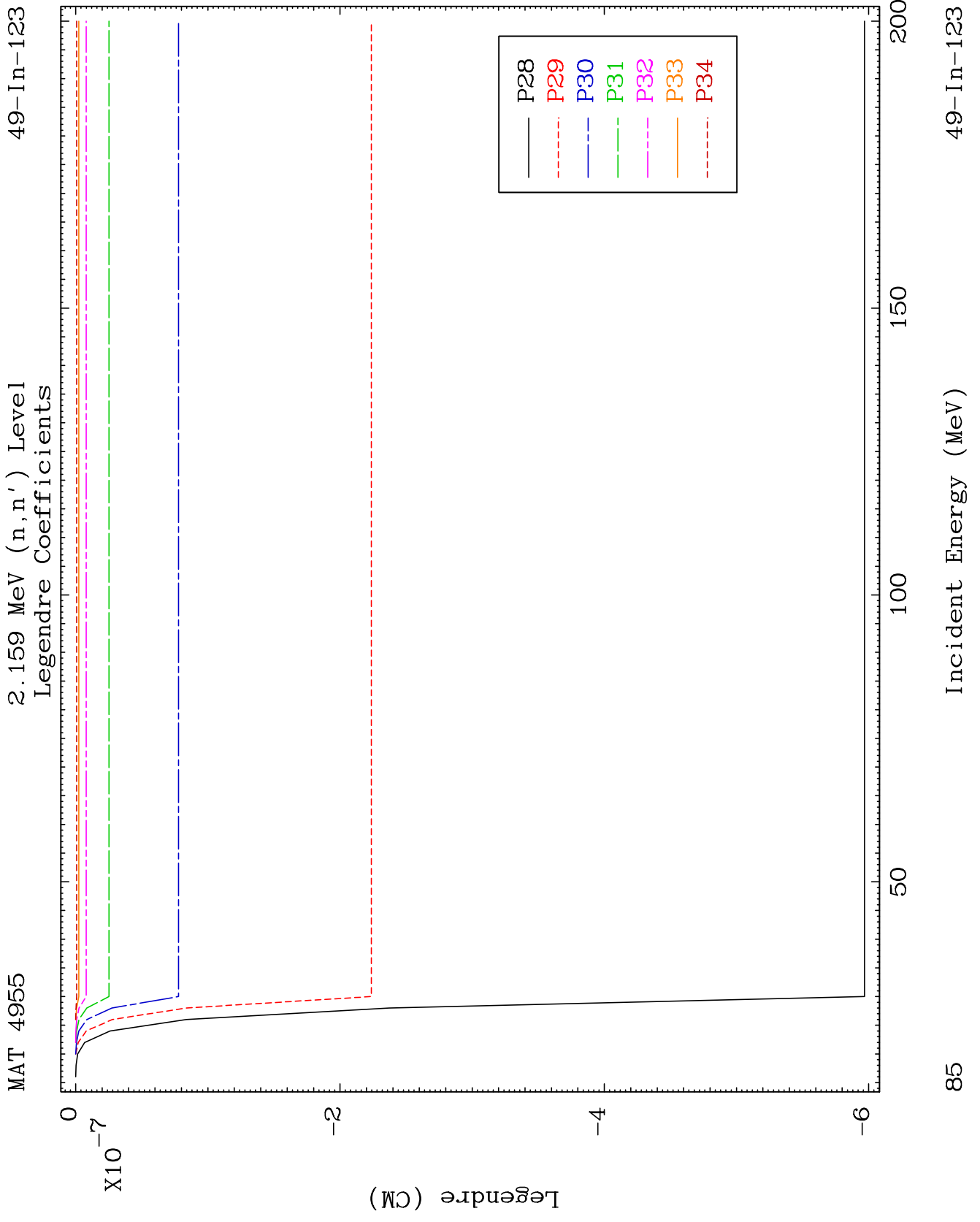
82

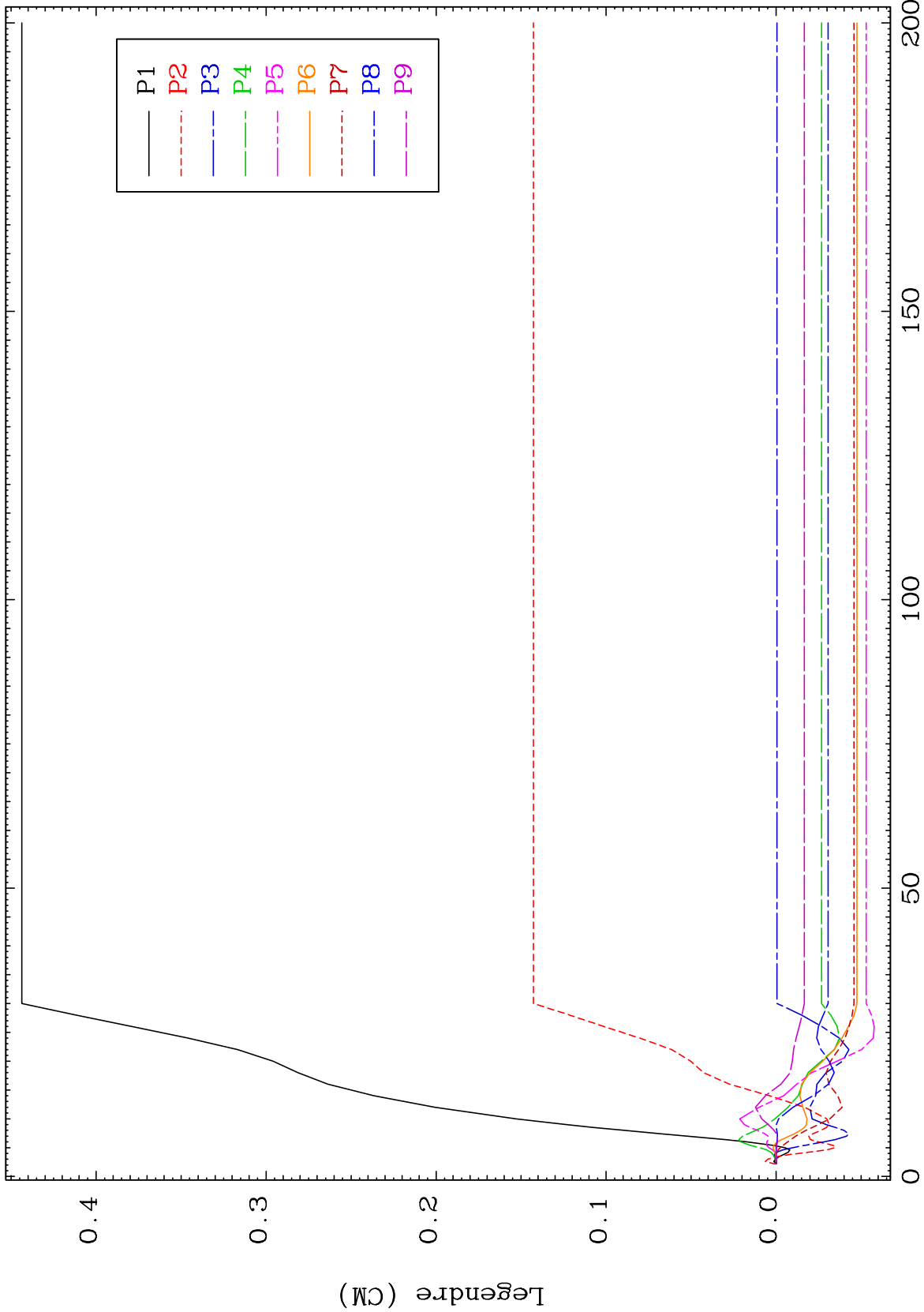
Incident Energy (MeV)

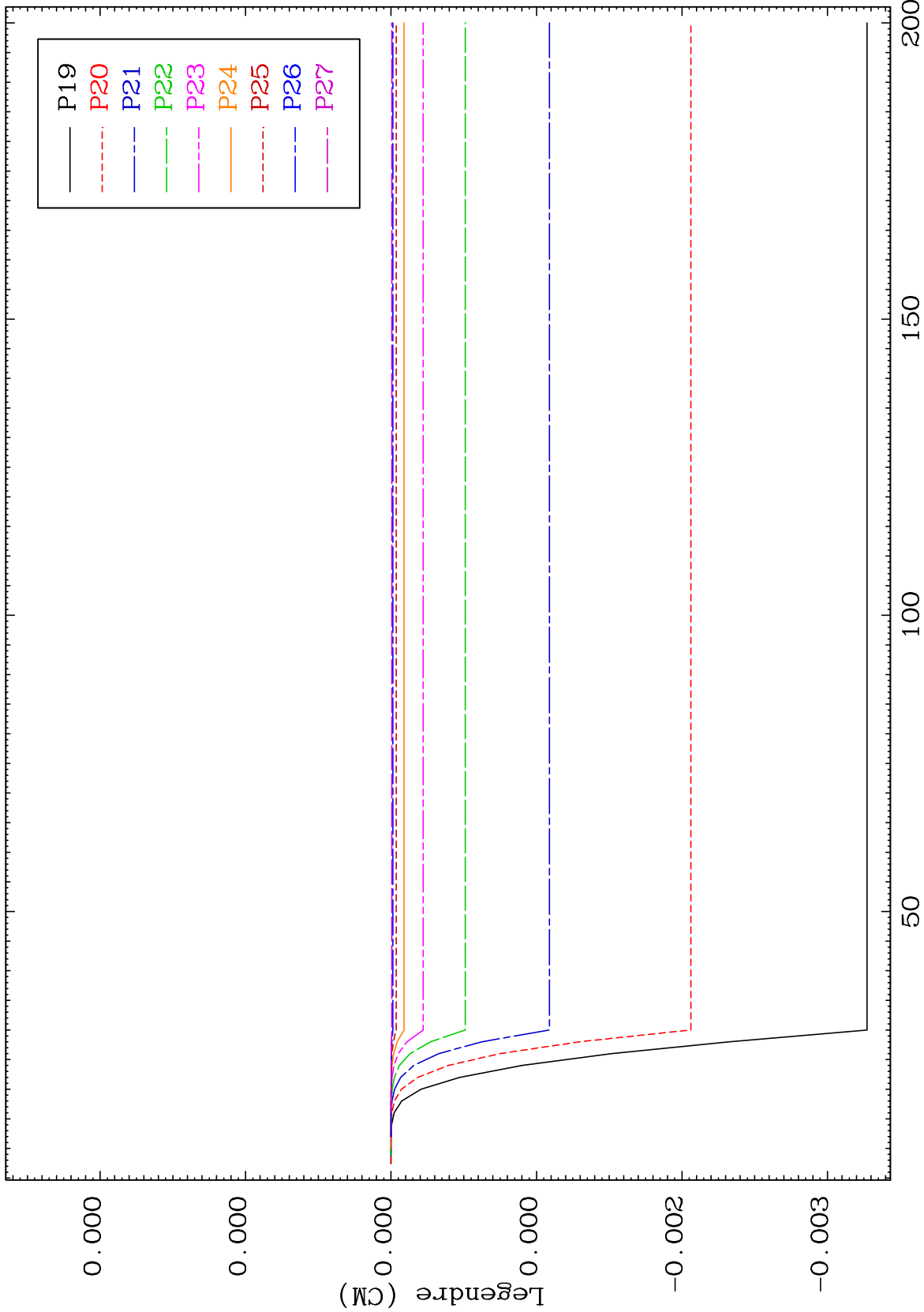
49-In-123

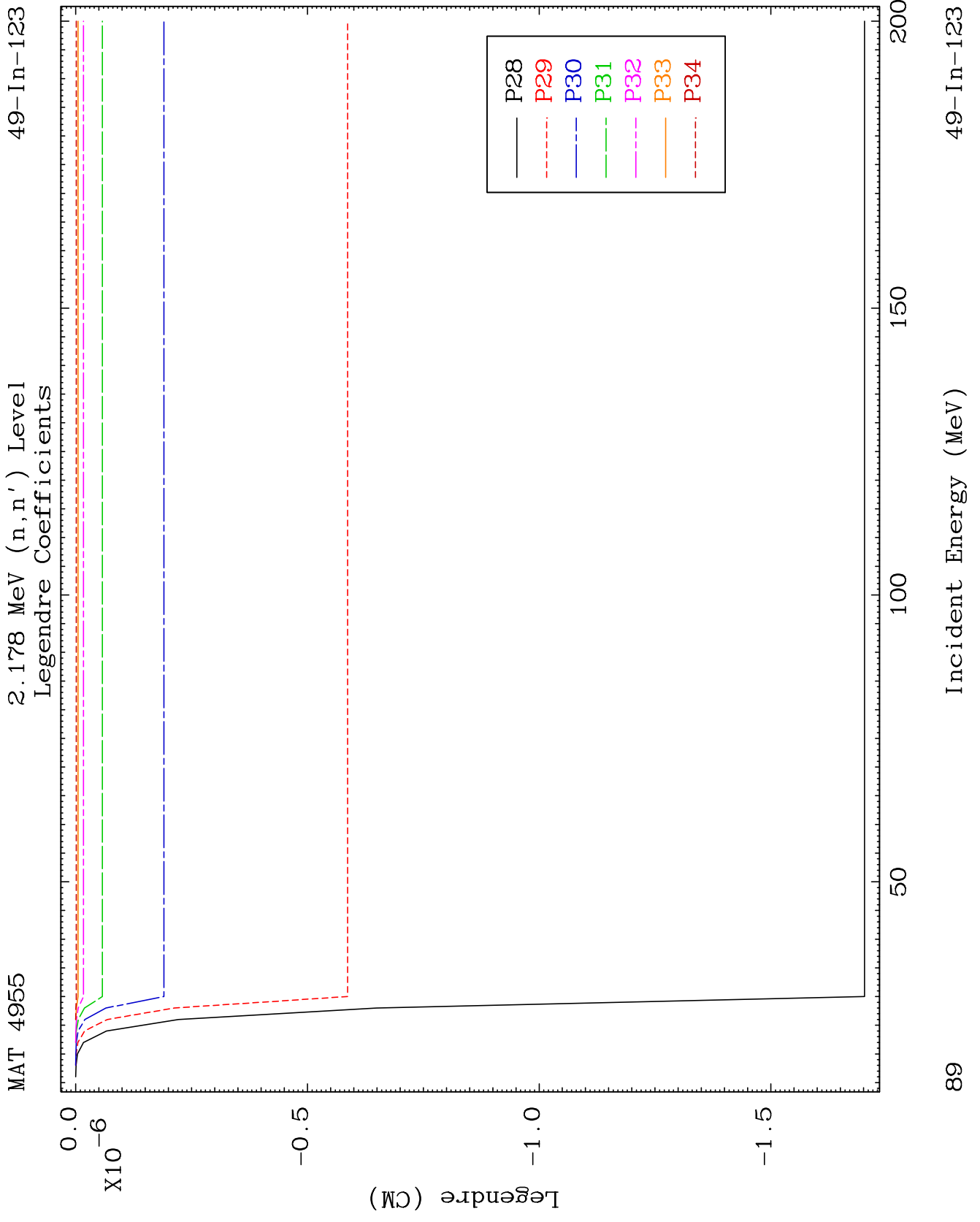


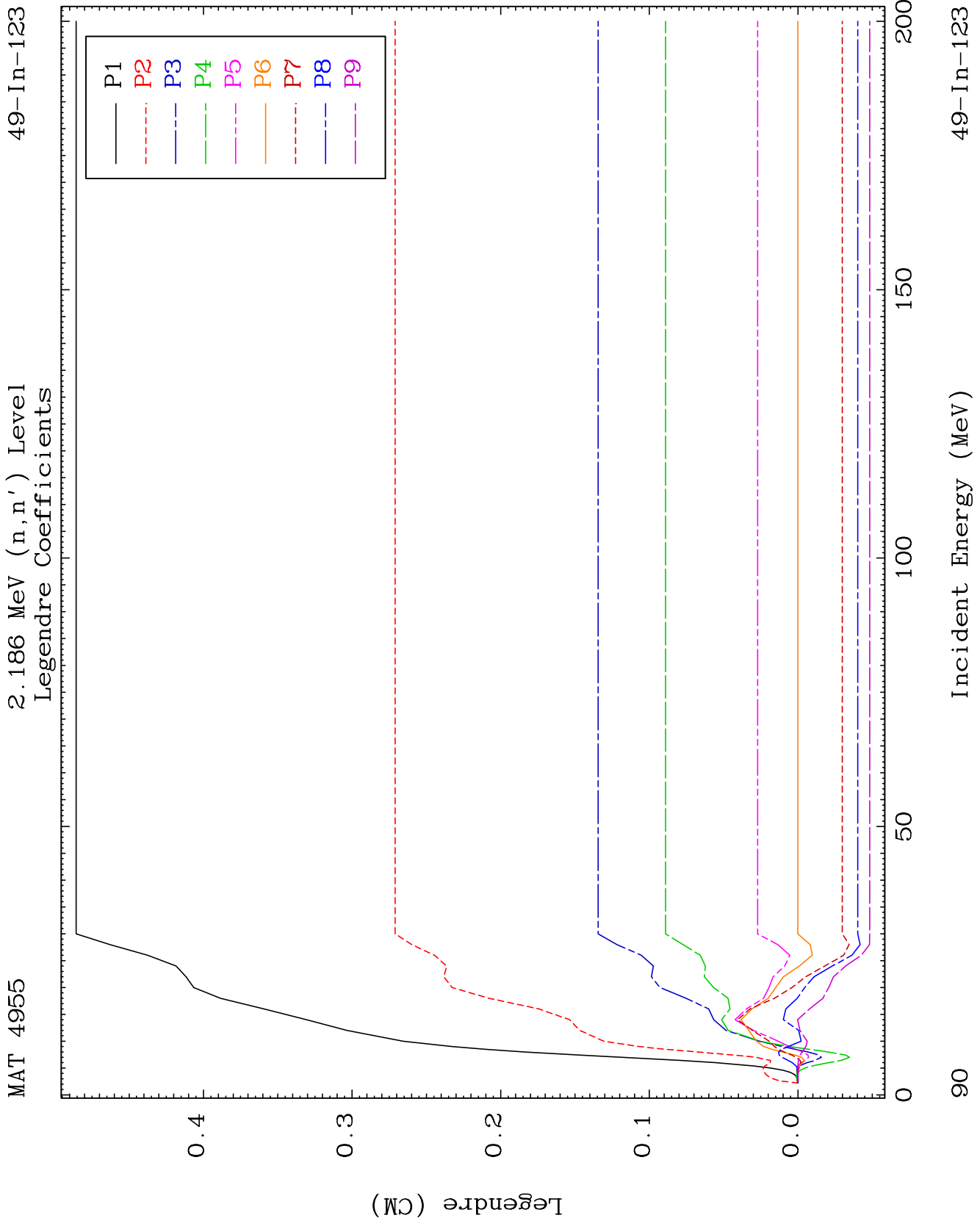








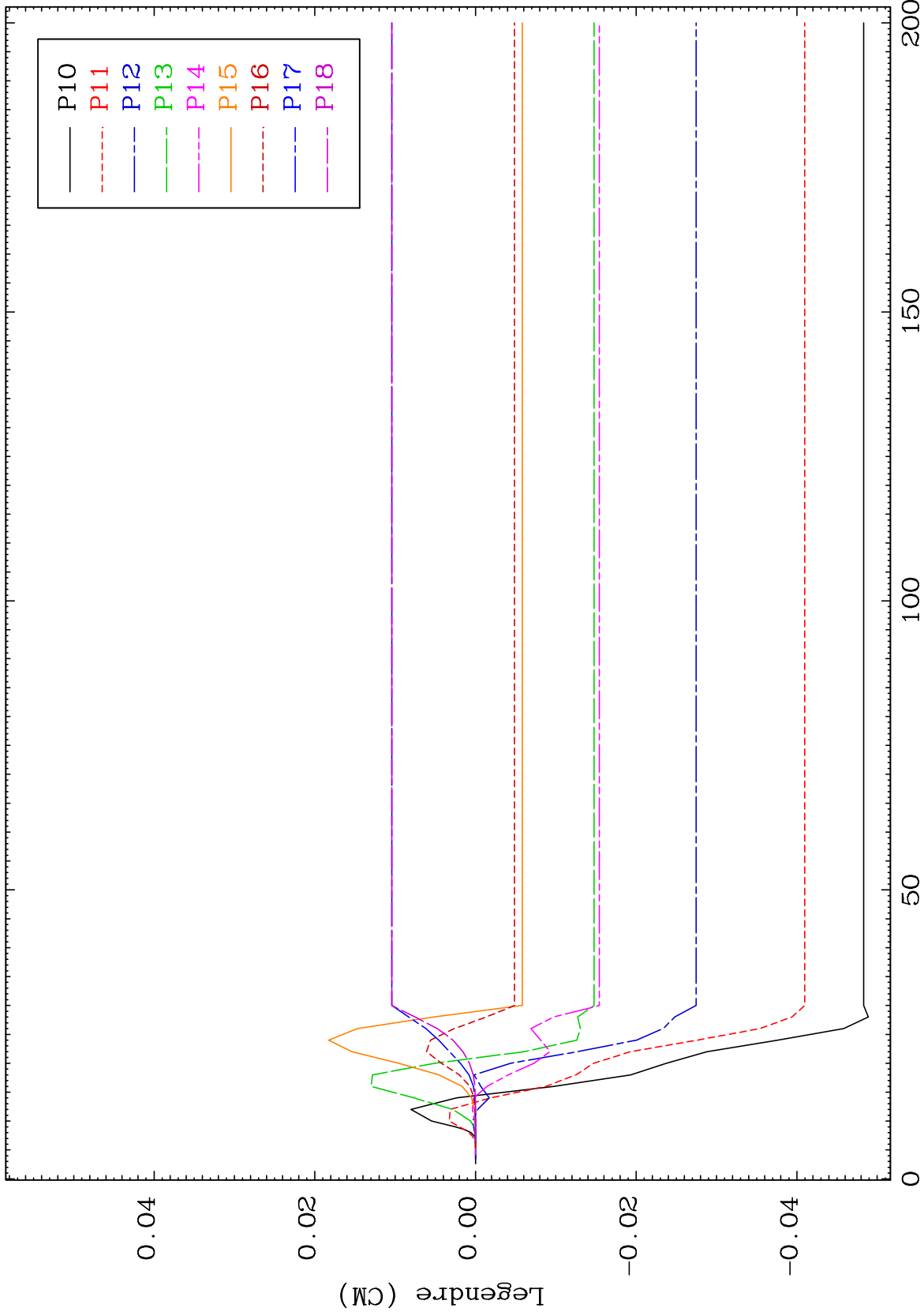




MAT 4955

2.186 MeV (n,n') Level
Legendre Coefficients

49-In-123



91

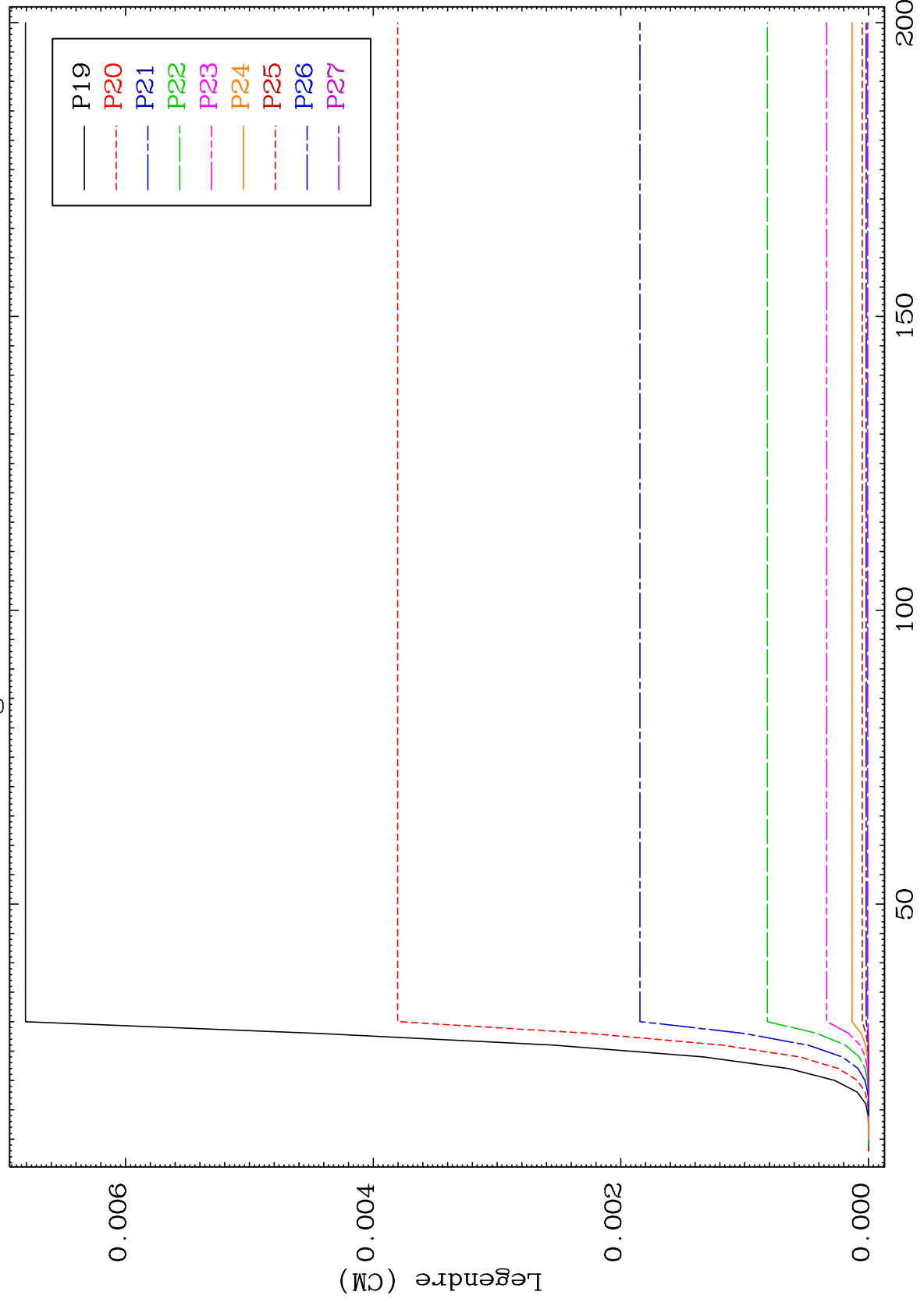
Incident Energy (MeV)

49-In-123

MAT 4955

2.186 MeV (n, n') Level
Legendre Coefficients

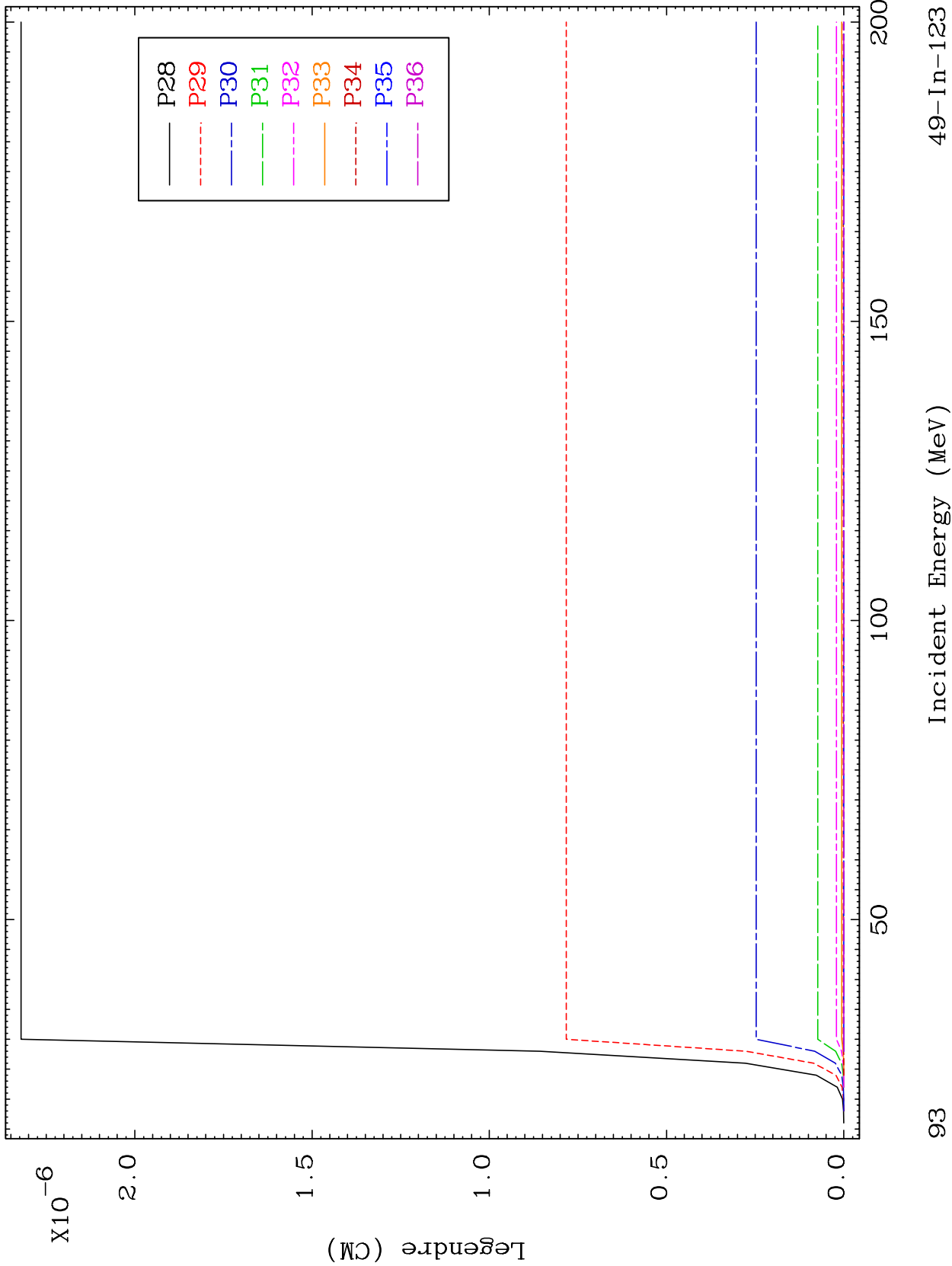
49-In-123



92

Incident Energy (MeV)

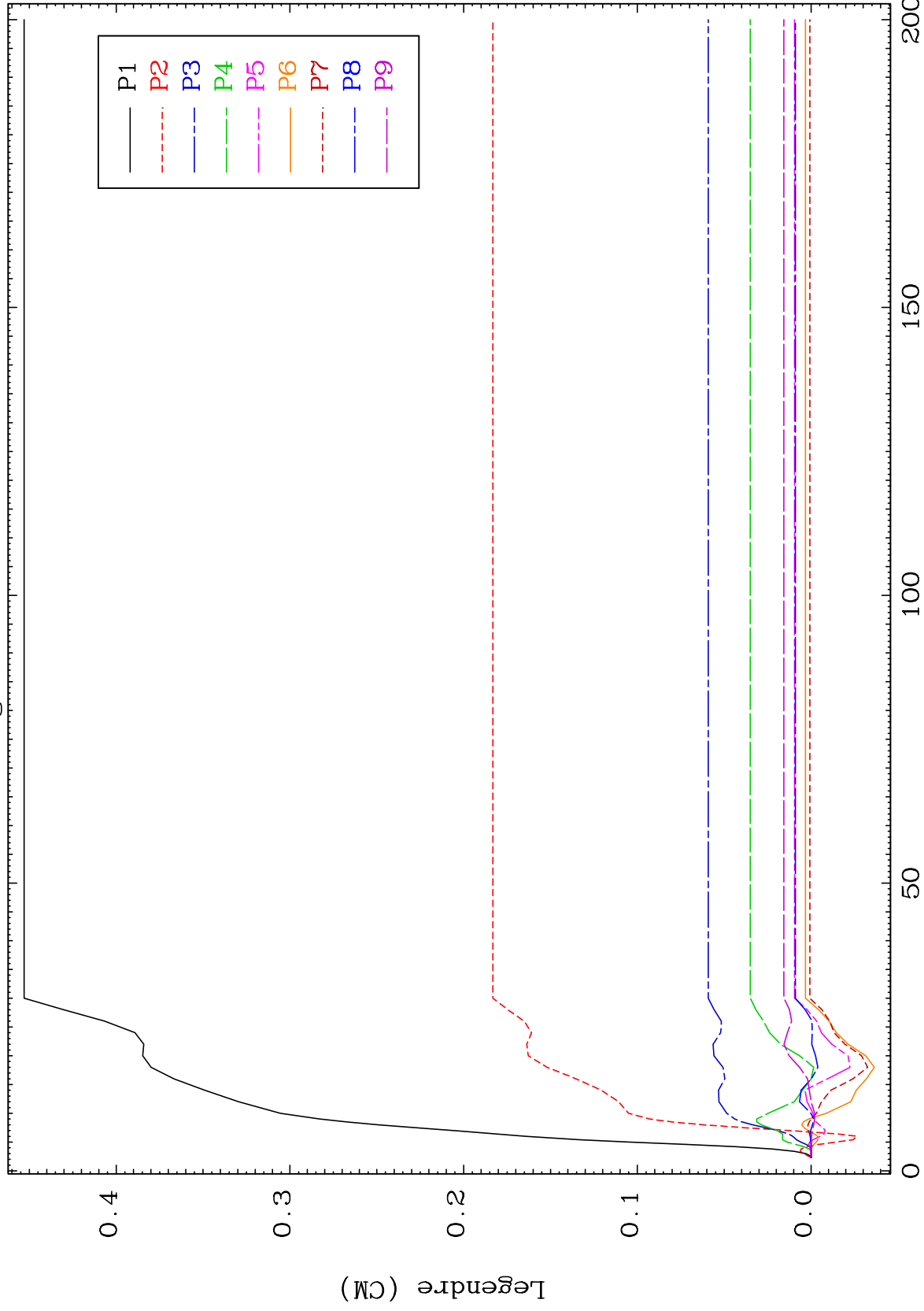
49-In-123



MAT 4955

2.268 MeV (n,n') Level
Legendre Coefficients

49-In-123



94

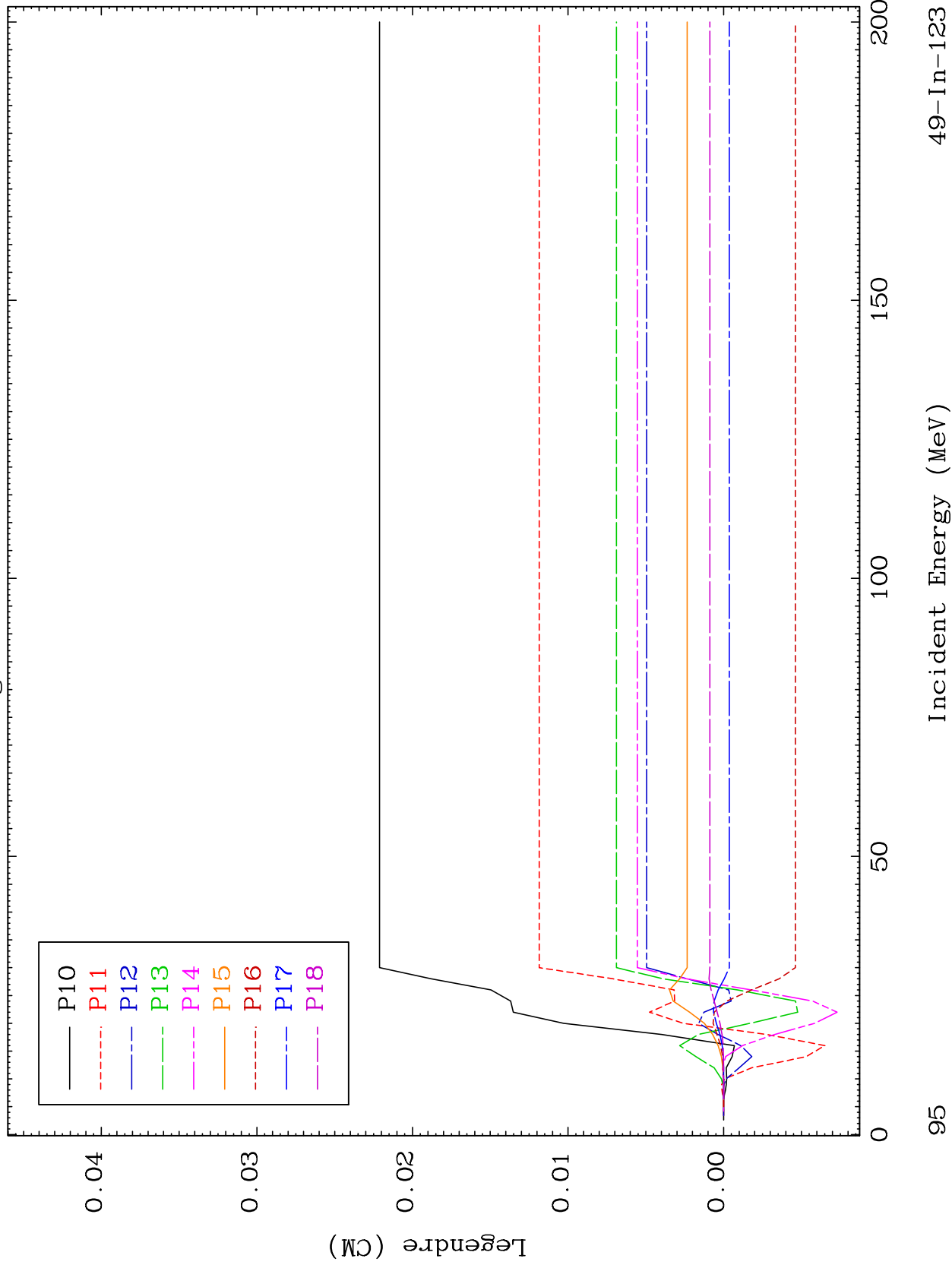
Incident Energy (MeV)

49-In-123

MAT 4955

2.268 MeV (n,n') Level
Legendre Coefficients

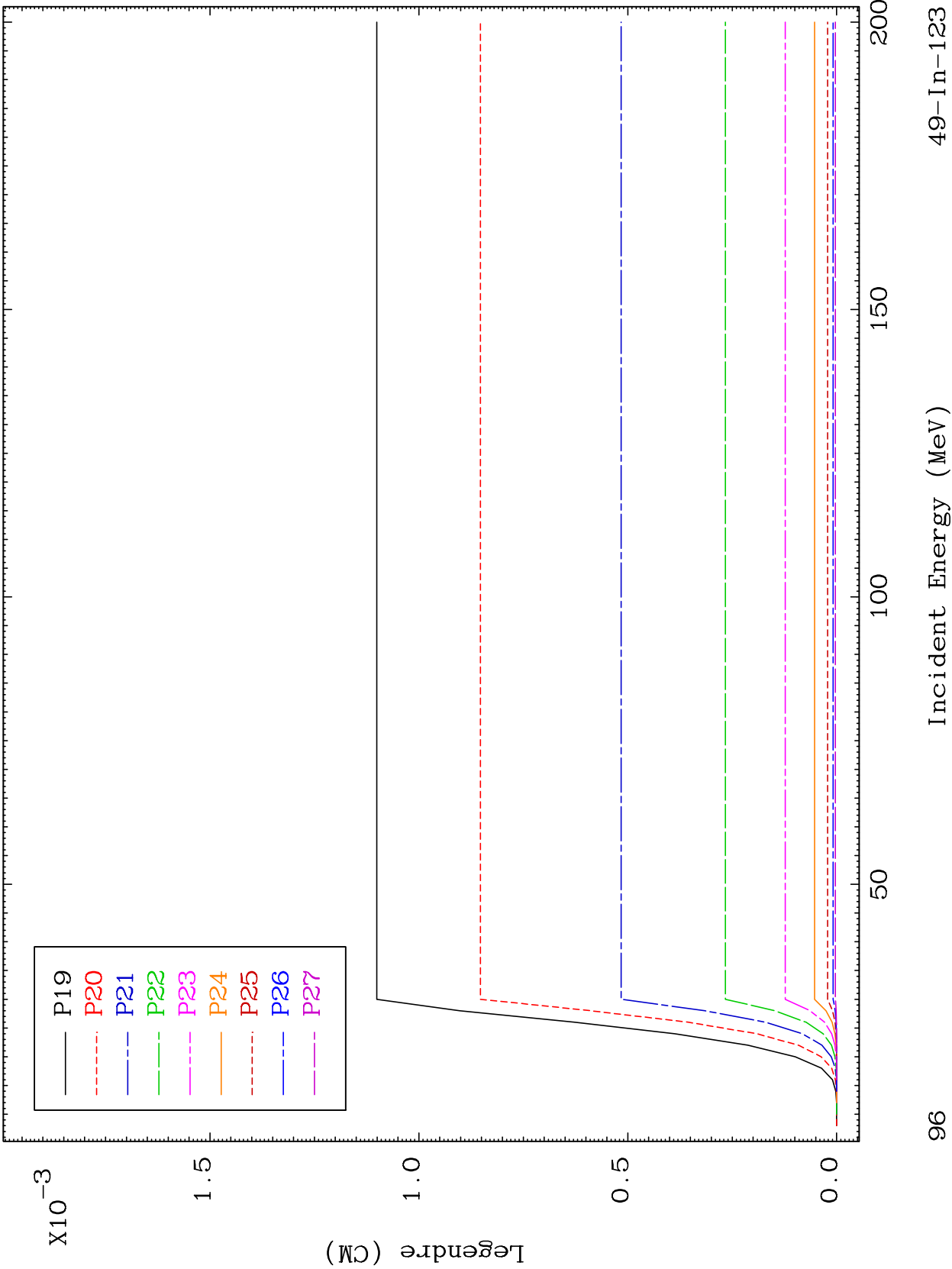
49-In-123



49-In-123

Incident Energy (MeV)

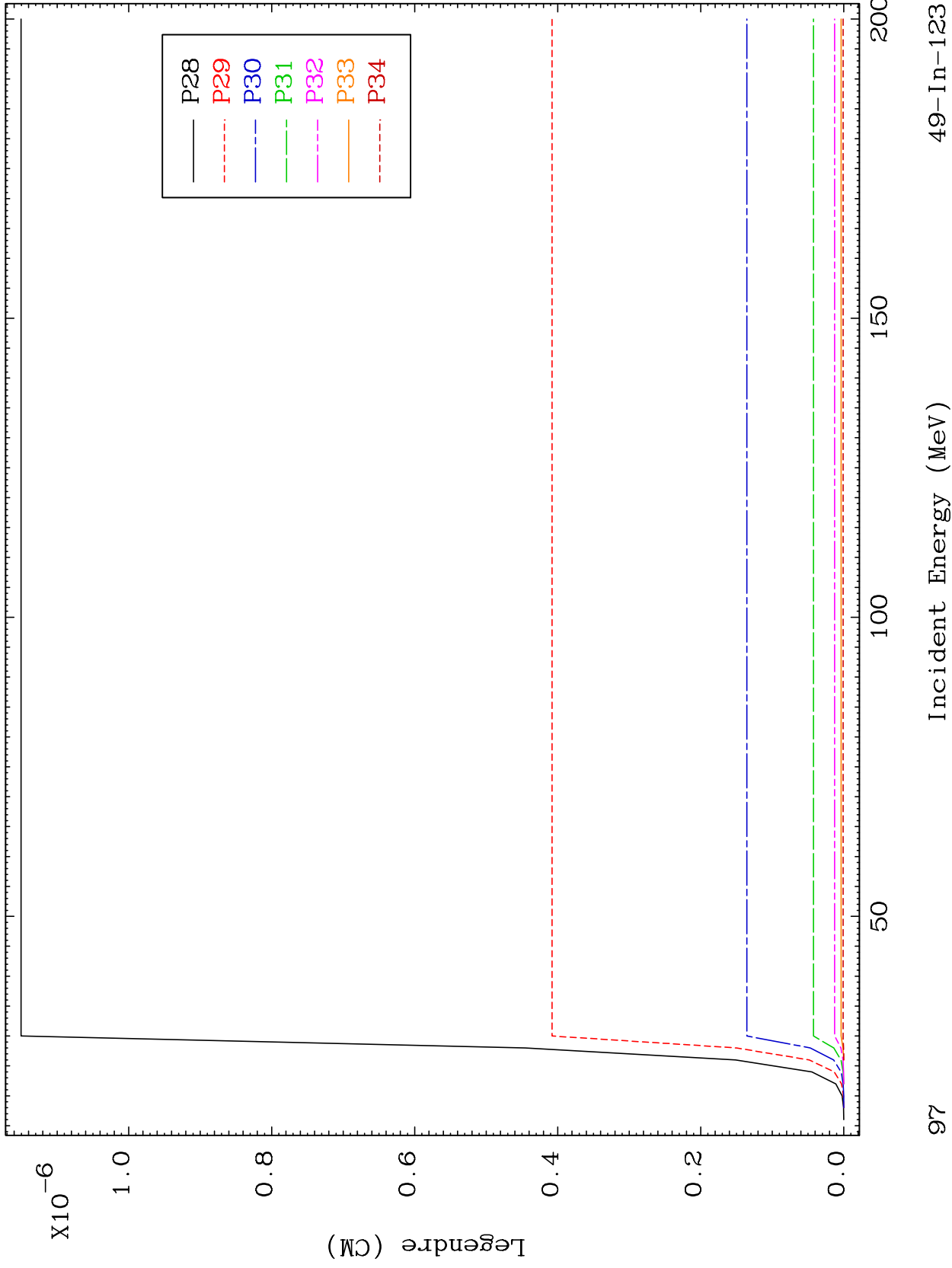
95

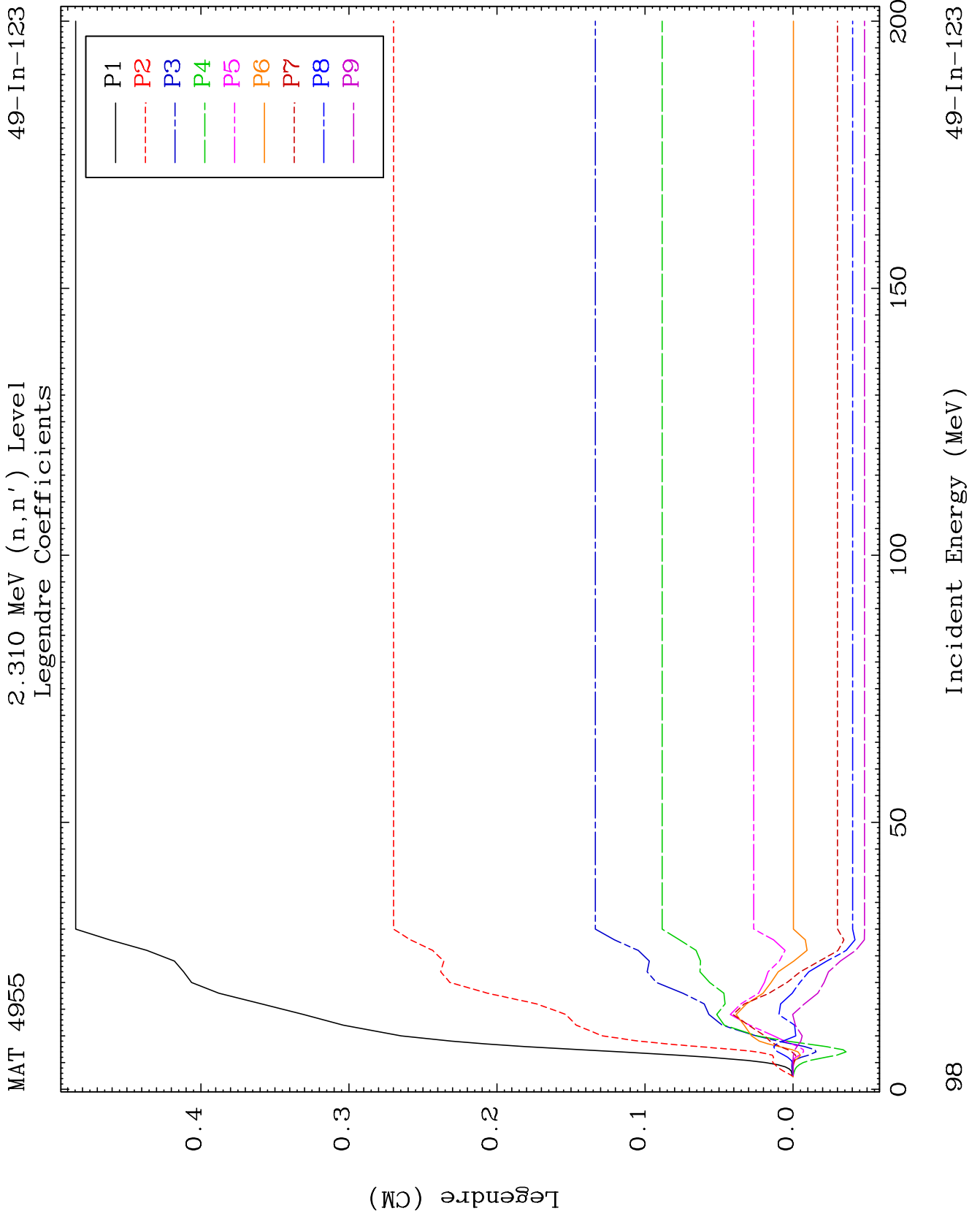


MAT 4955

2.268 MeV (n,n') Level
Legendre Coefficients

49-In-123

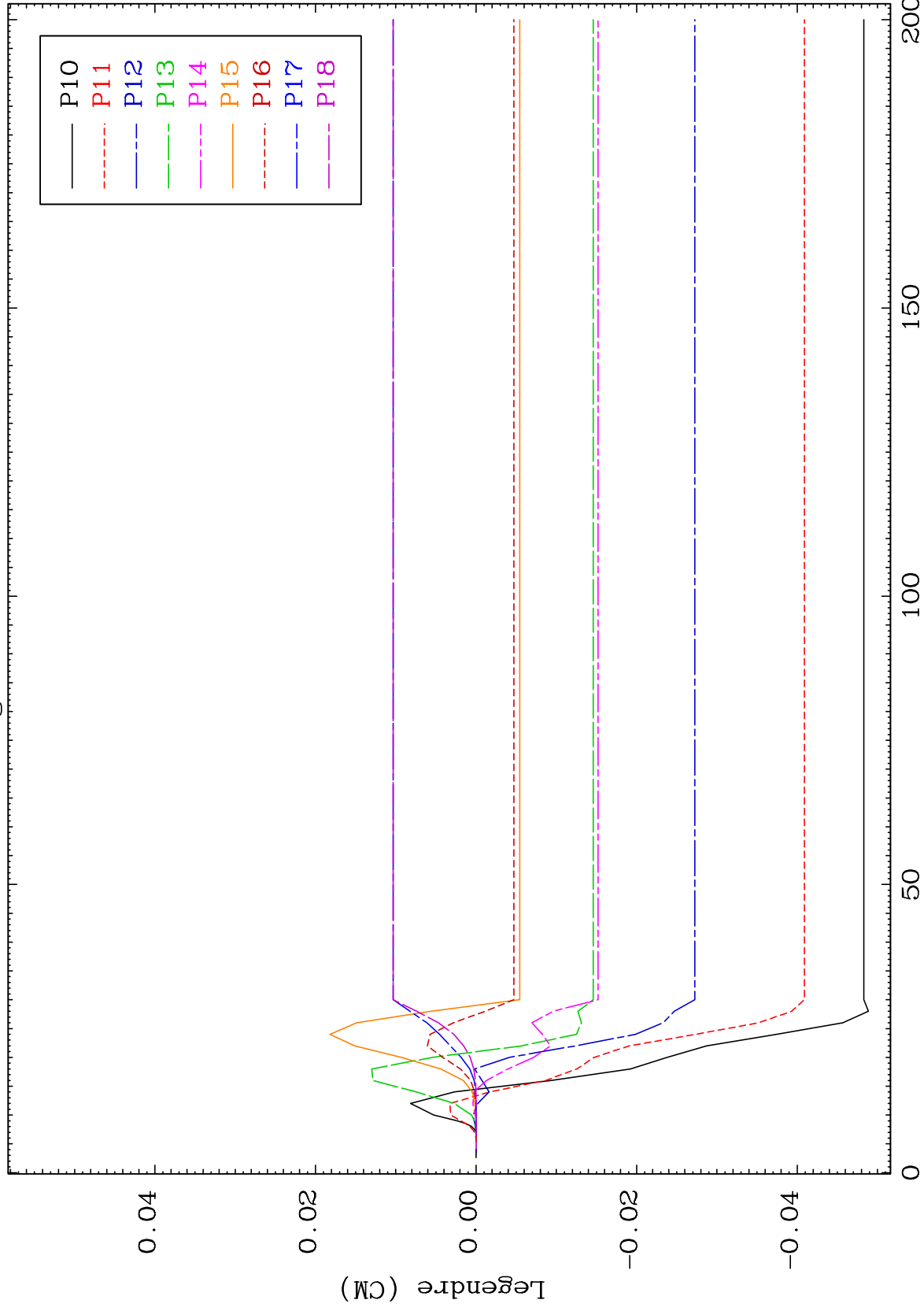




MAT 4955

2.310 MeV (n,n') Level
Legendre Coefficients

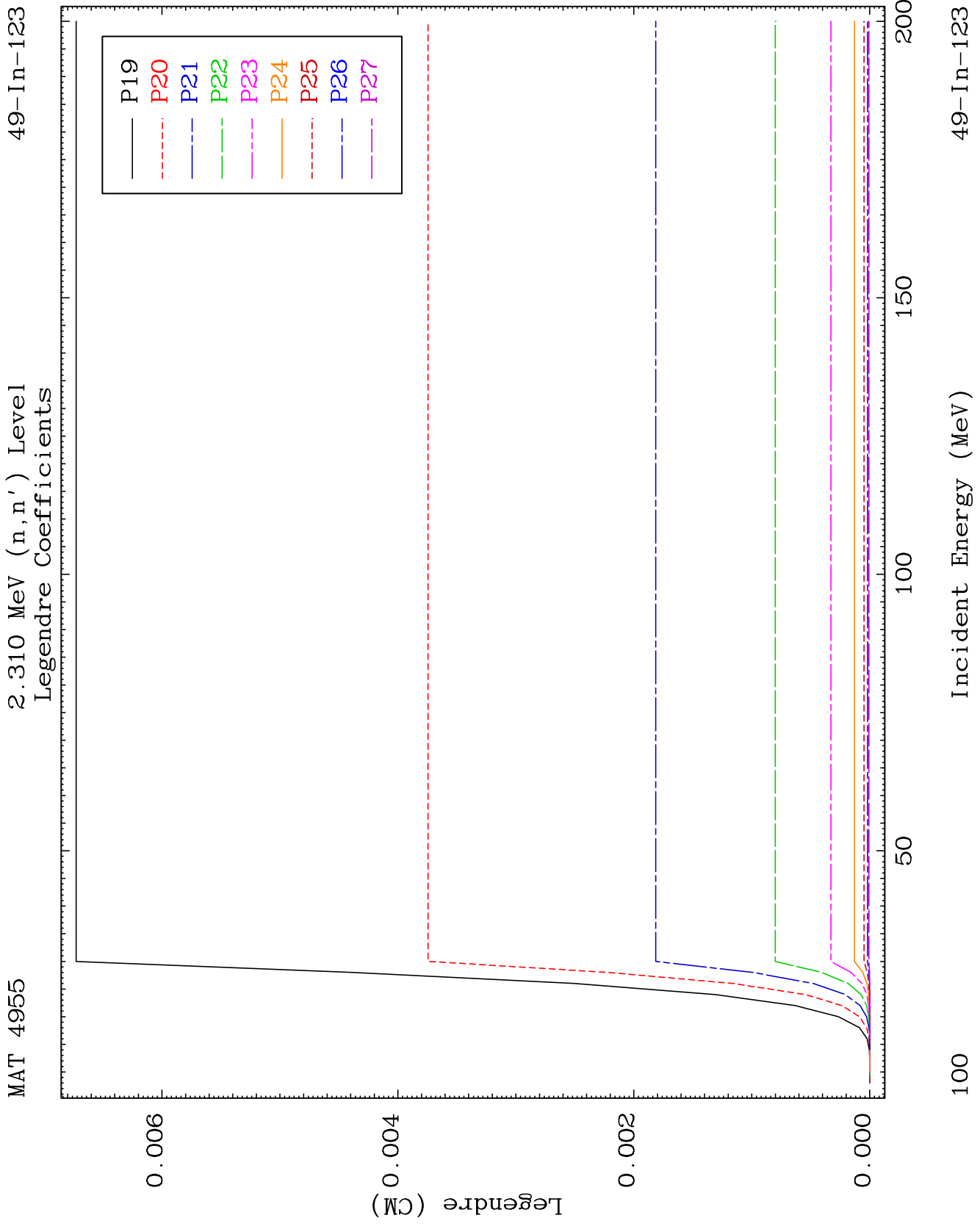
49-In-123

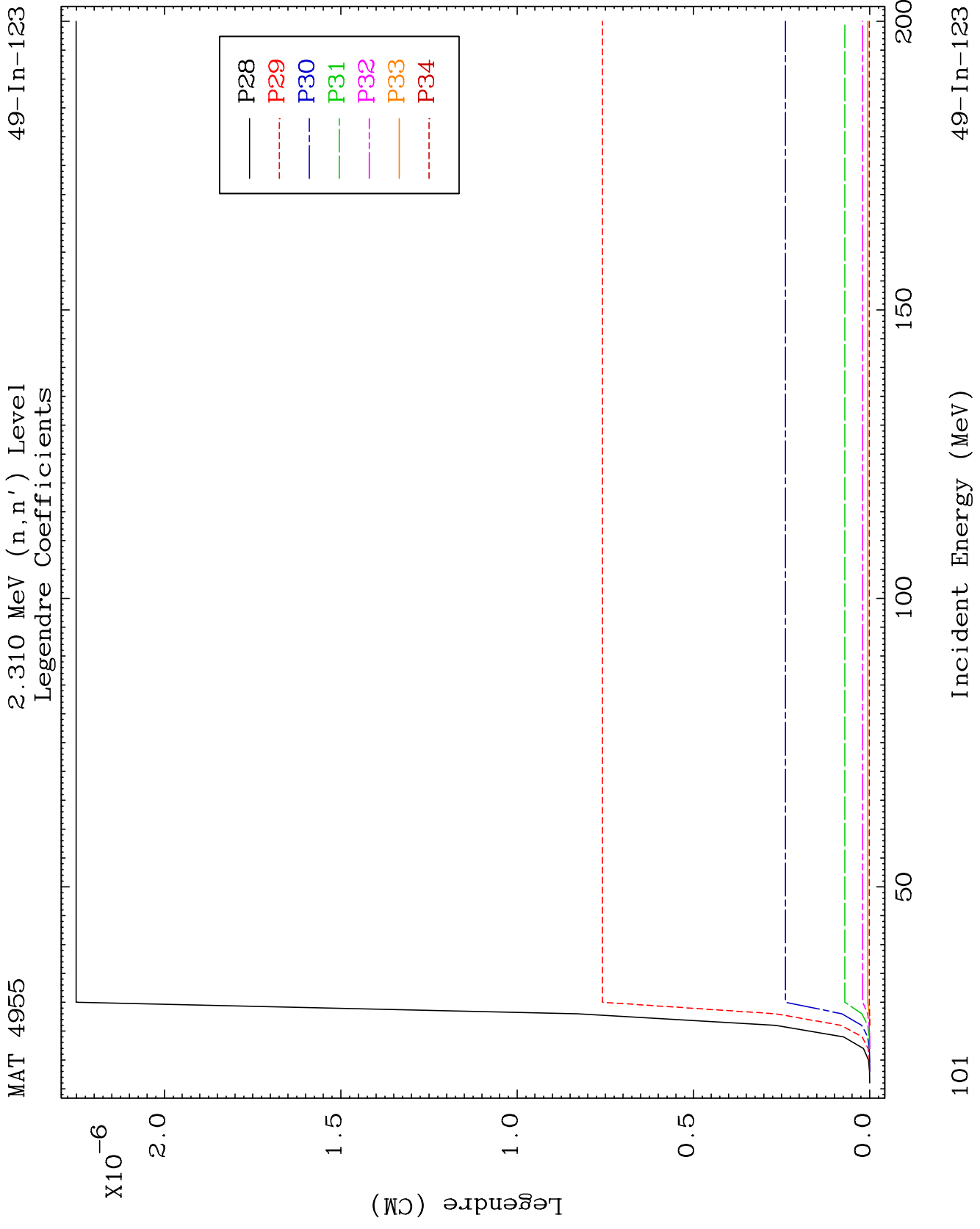


99

Incident Energy (MeV)

49-In-123

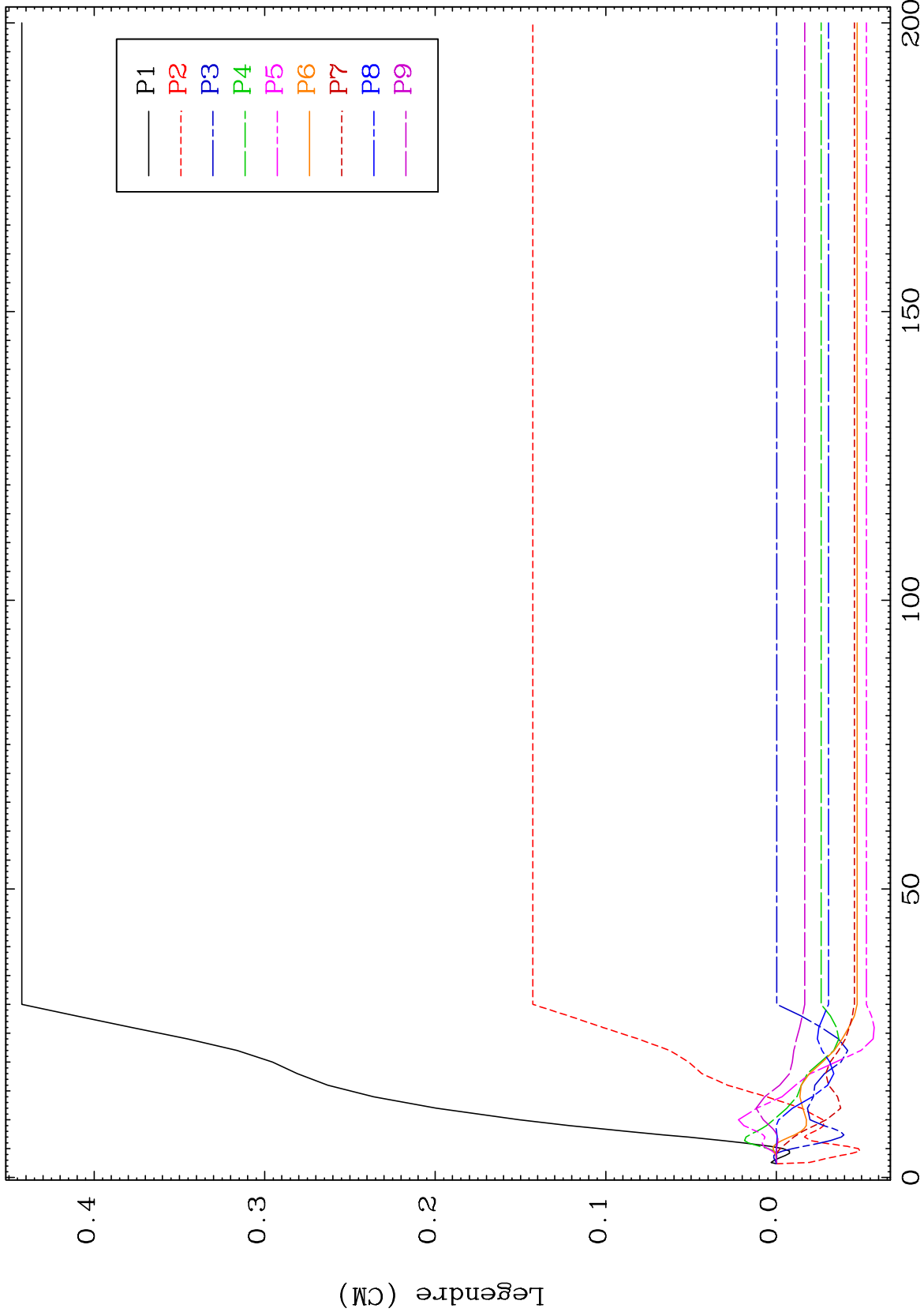




MAT 4955

2.355 MeV (n,n') Level
Legendre Coefficients

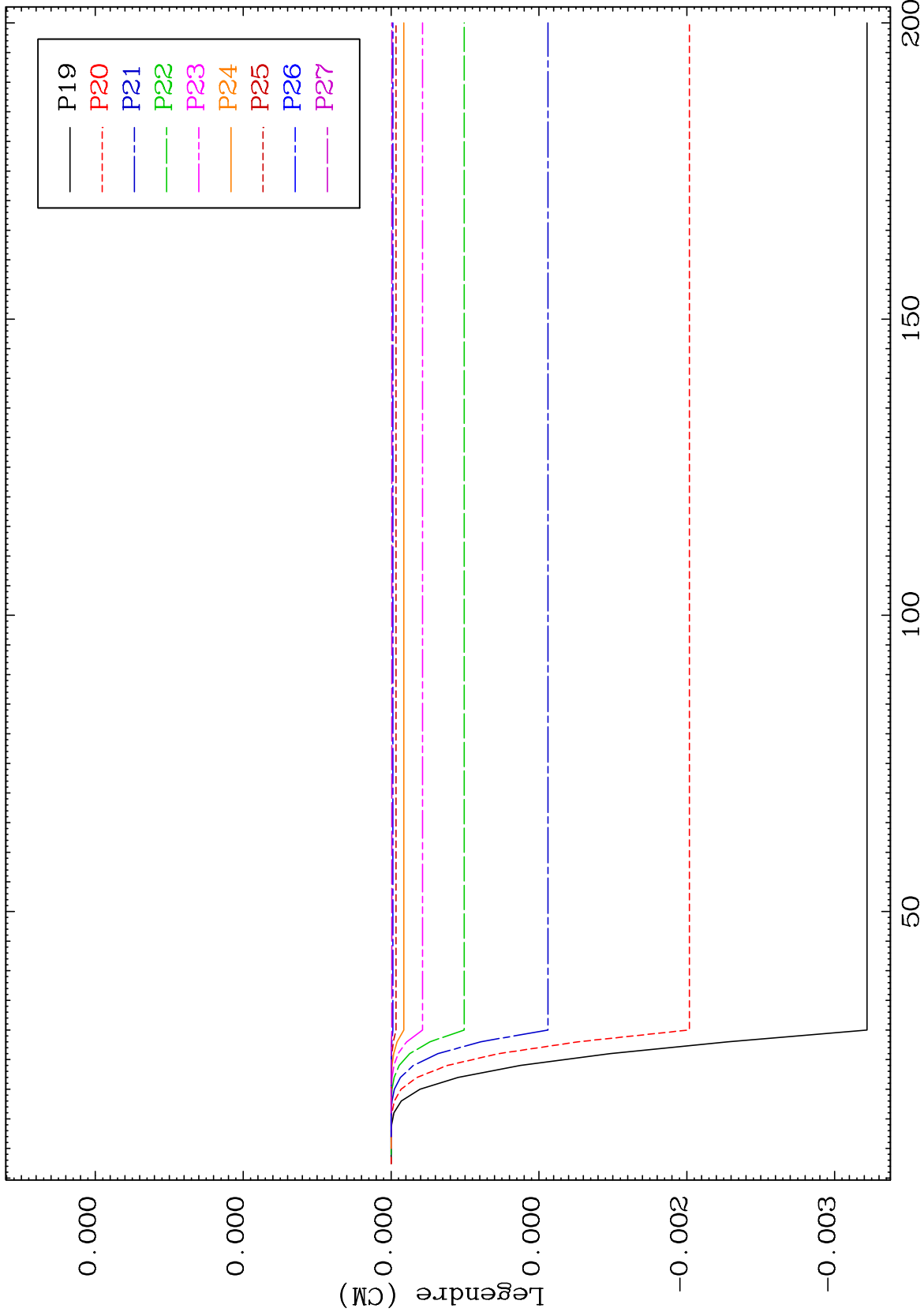
49-In-123

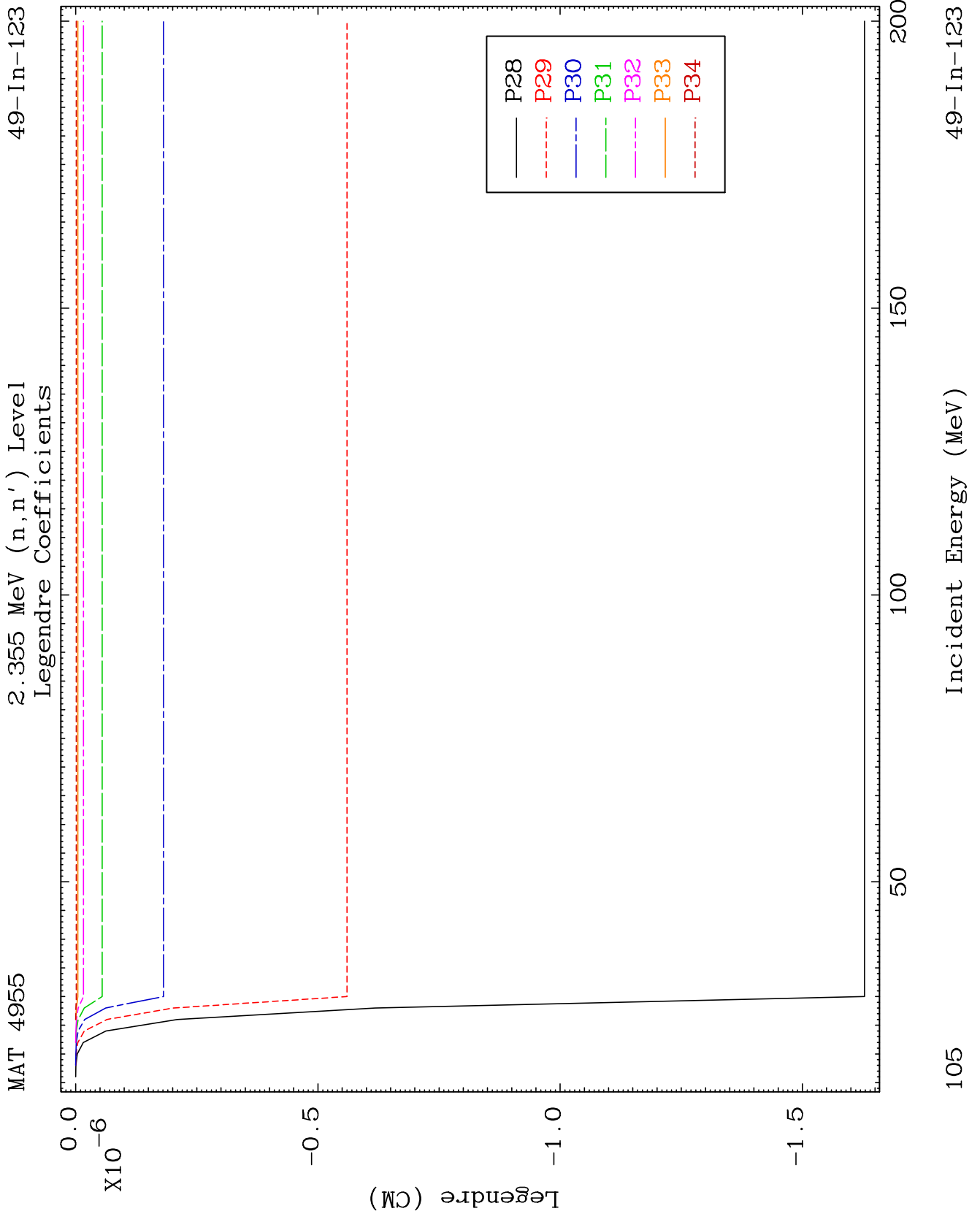


102

Incident Energy (MeV)

49-In-123

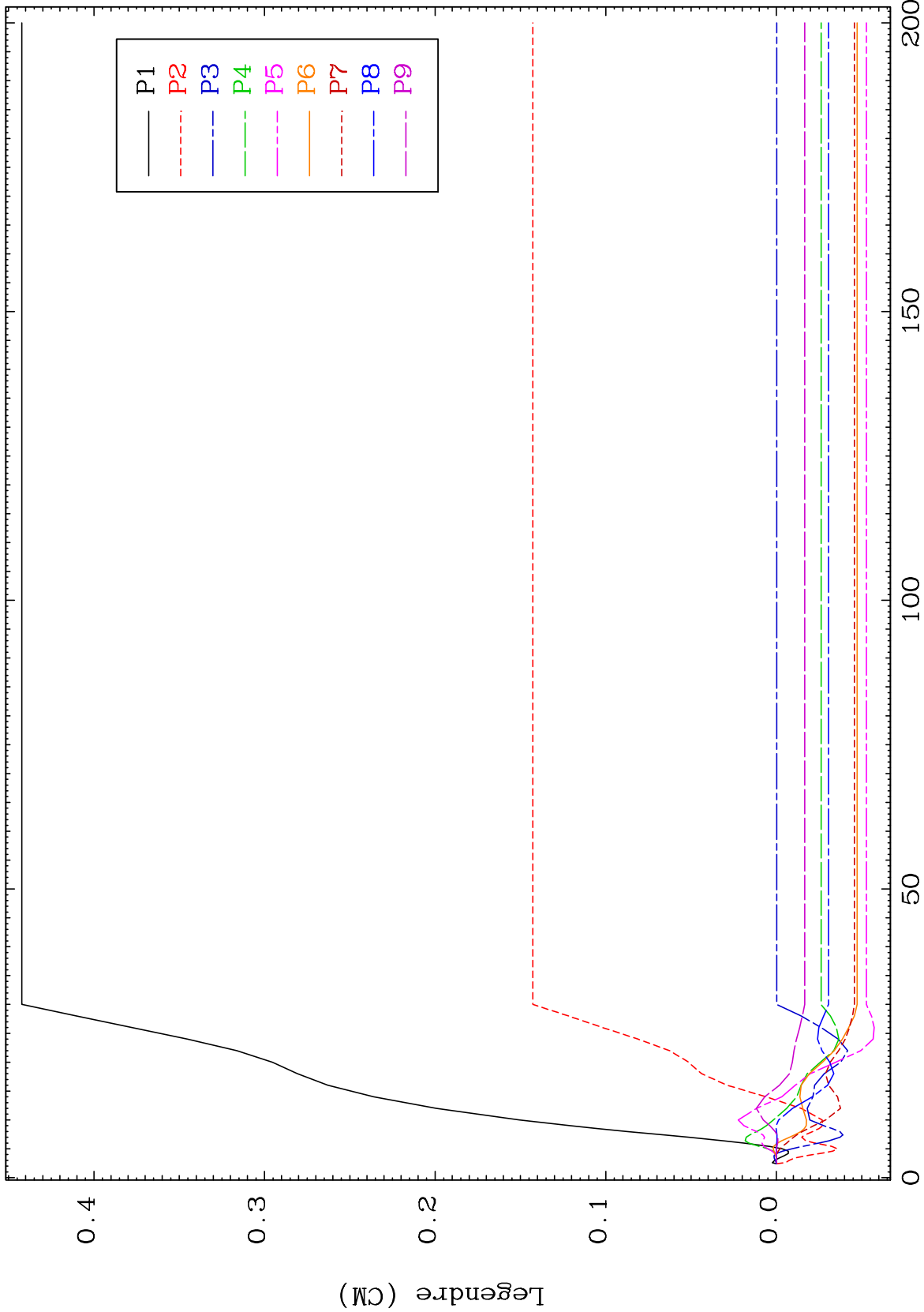




MAT 4955

2.377 MeV (n,n') Level
Legendre Coefficients

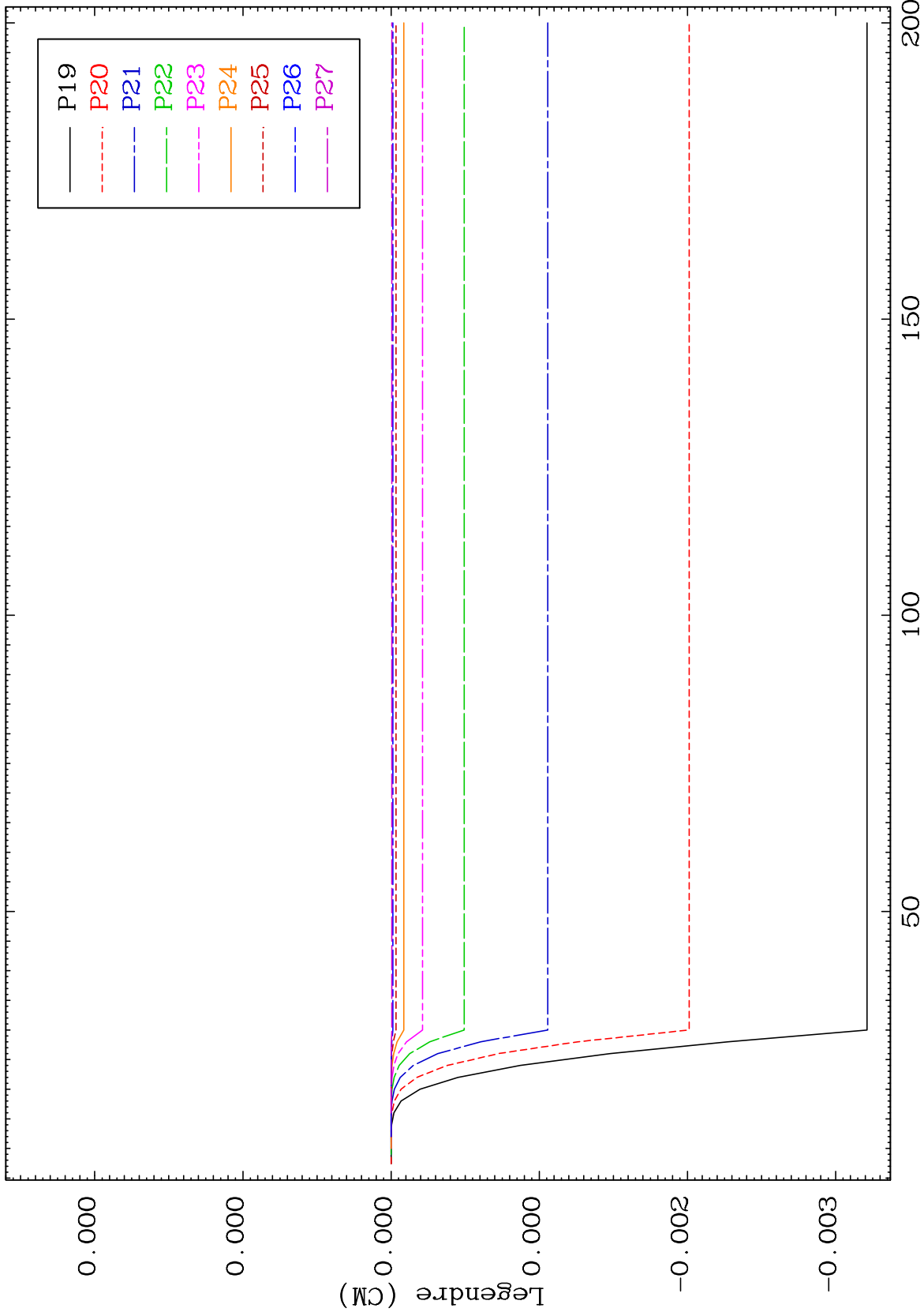
49-In-123

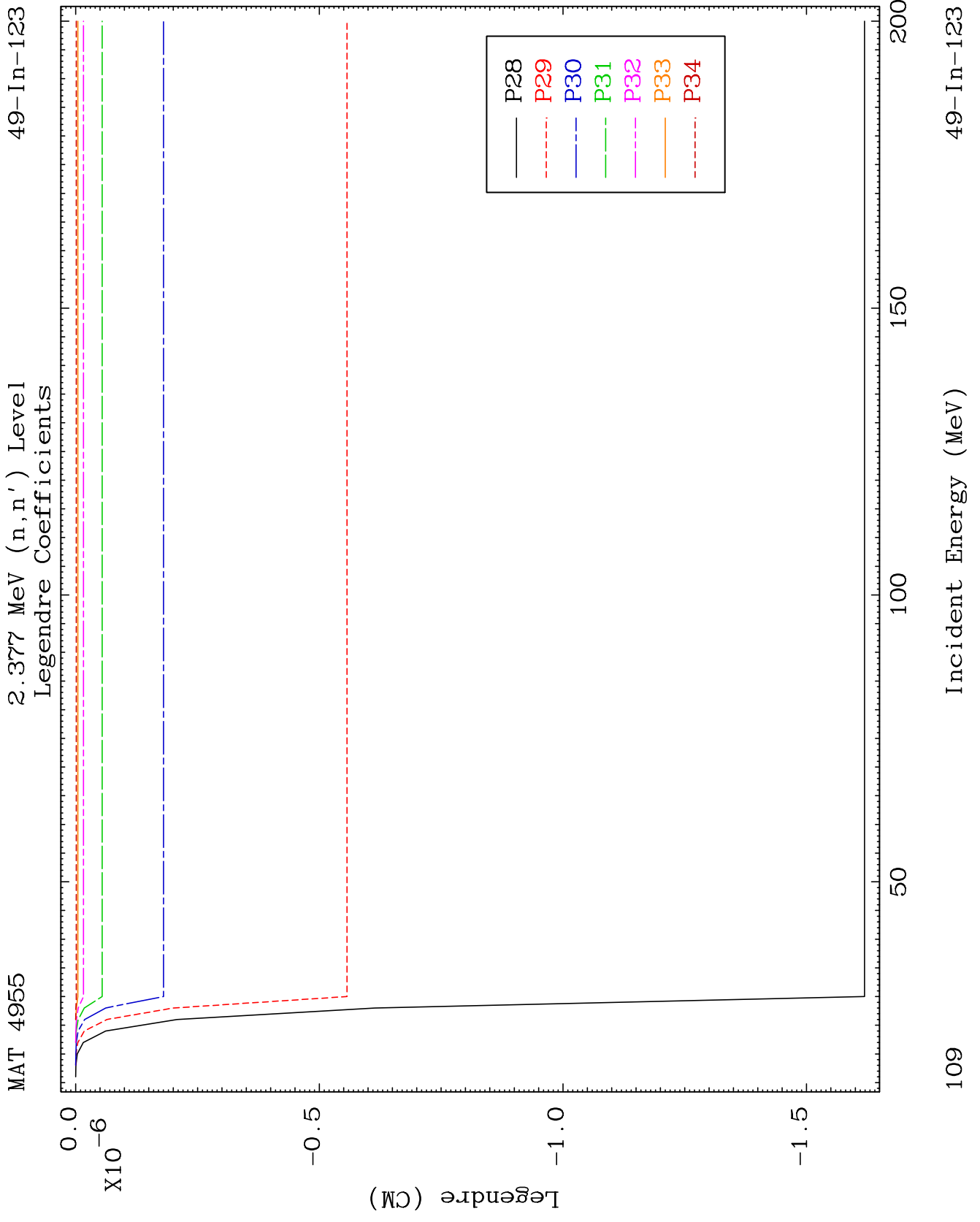


106

Incident Energy (MeV)

49-In-123

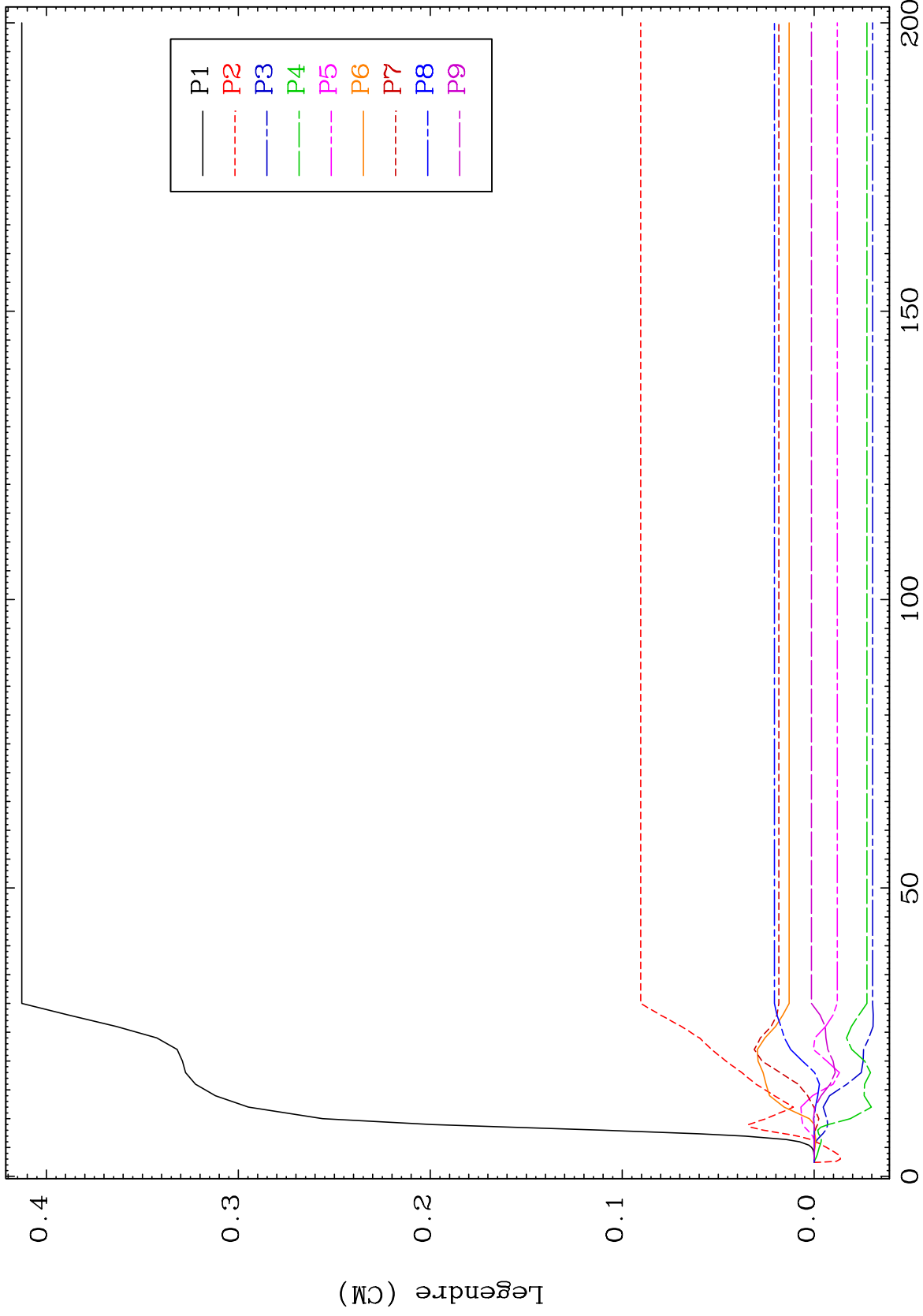




MAT 4955

2.393 MeV (n,n') Level
Legendre Coefficients

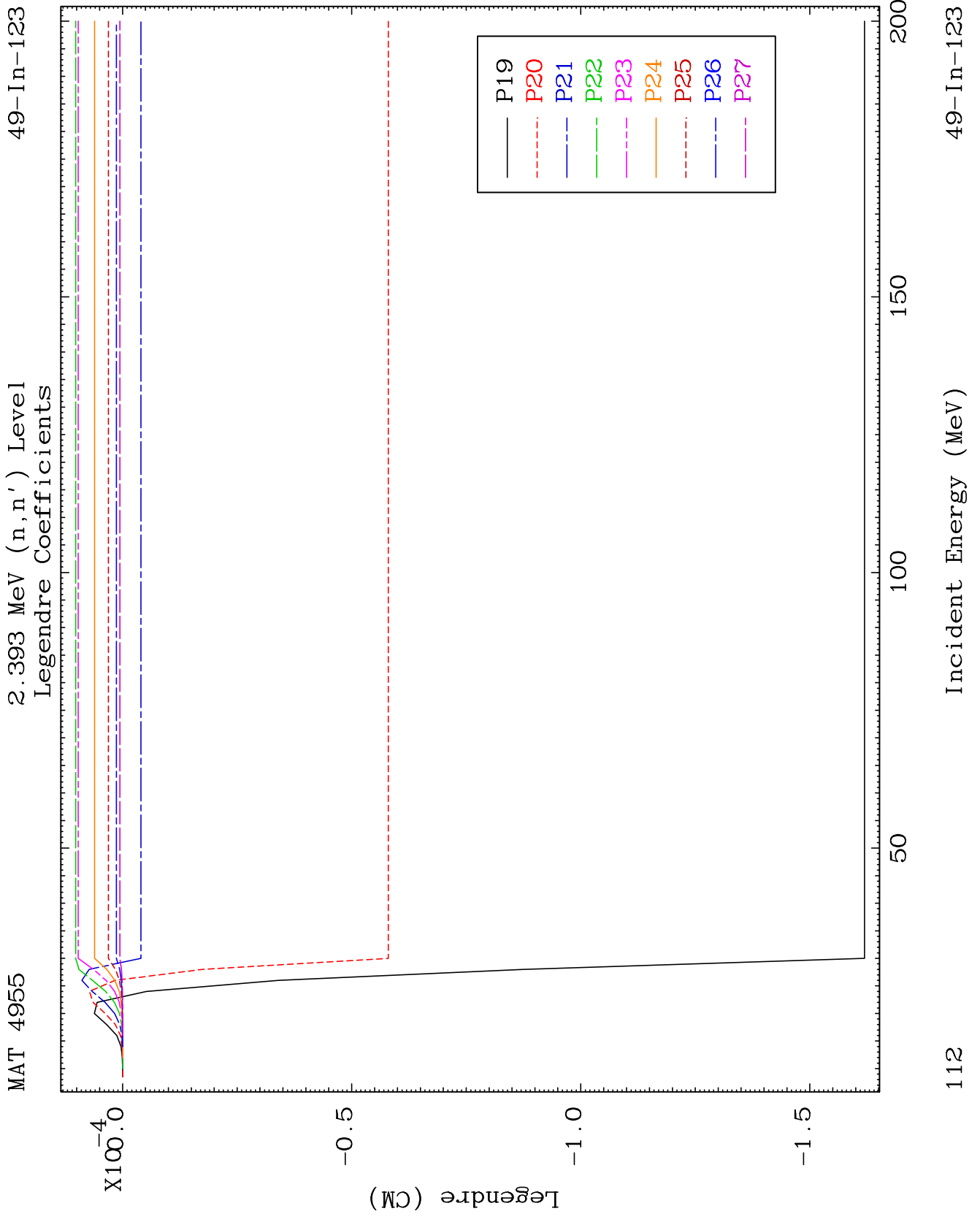
49-In-123



110

Incident Energy (MeV)

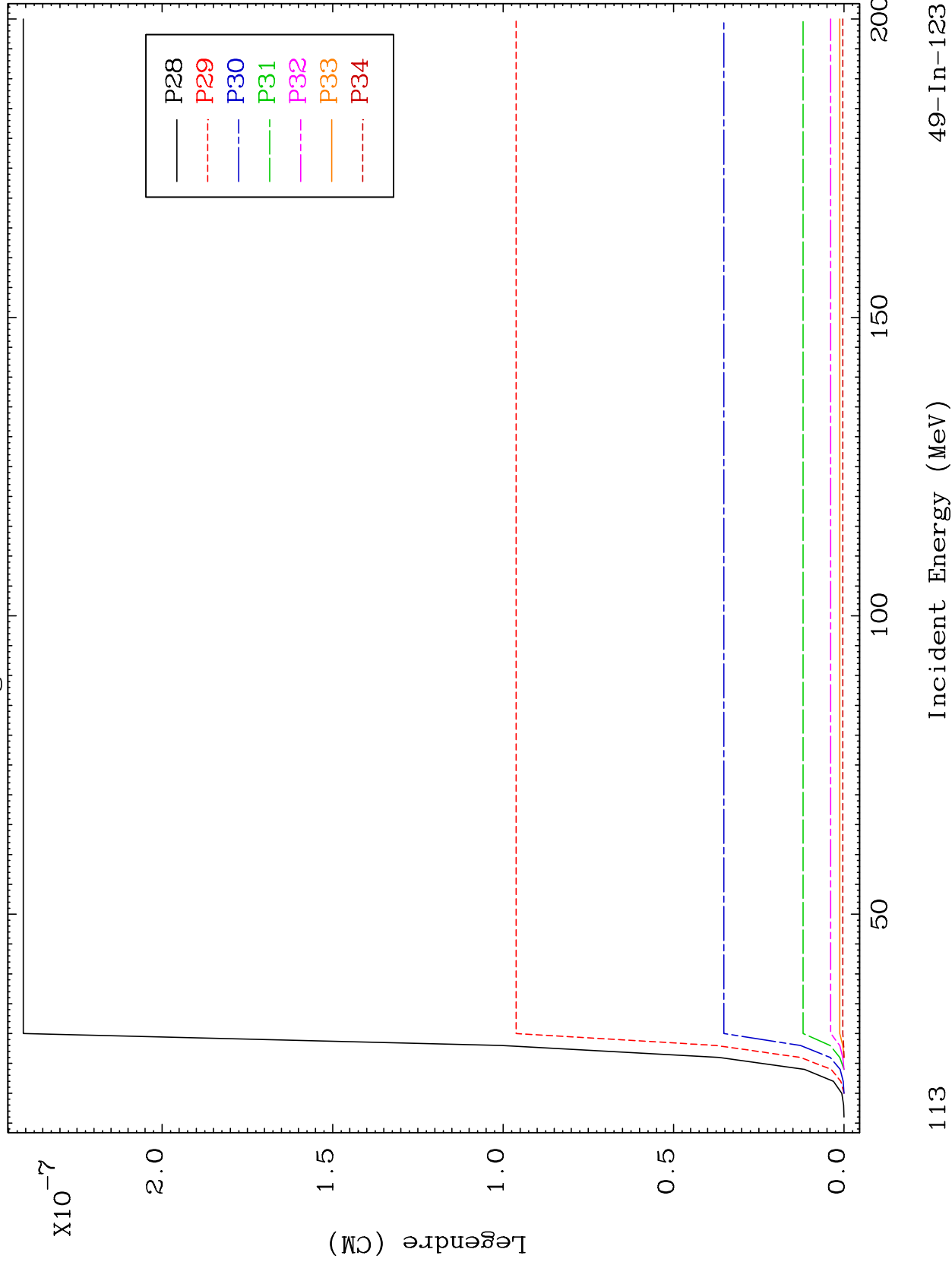
49-In-123



MAT 4955

2.393 MeV (n,n') Level
Legendre Coefficients

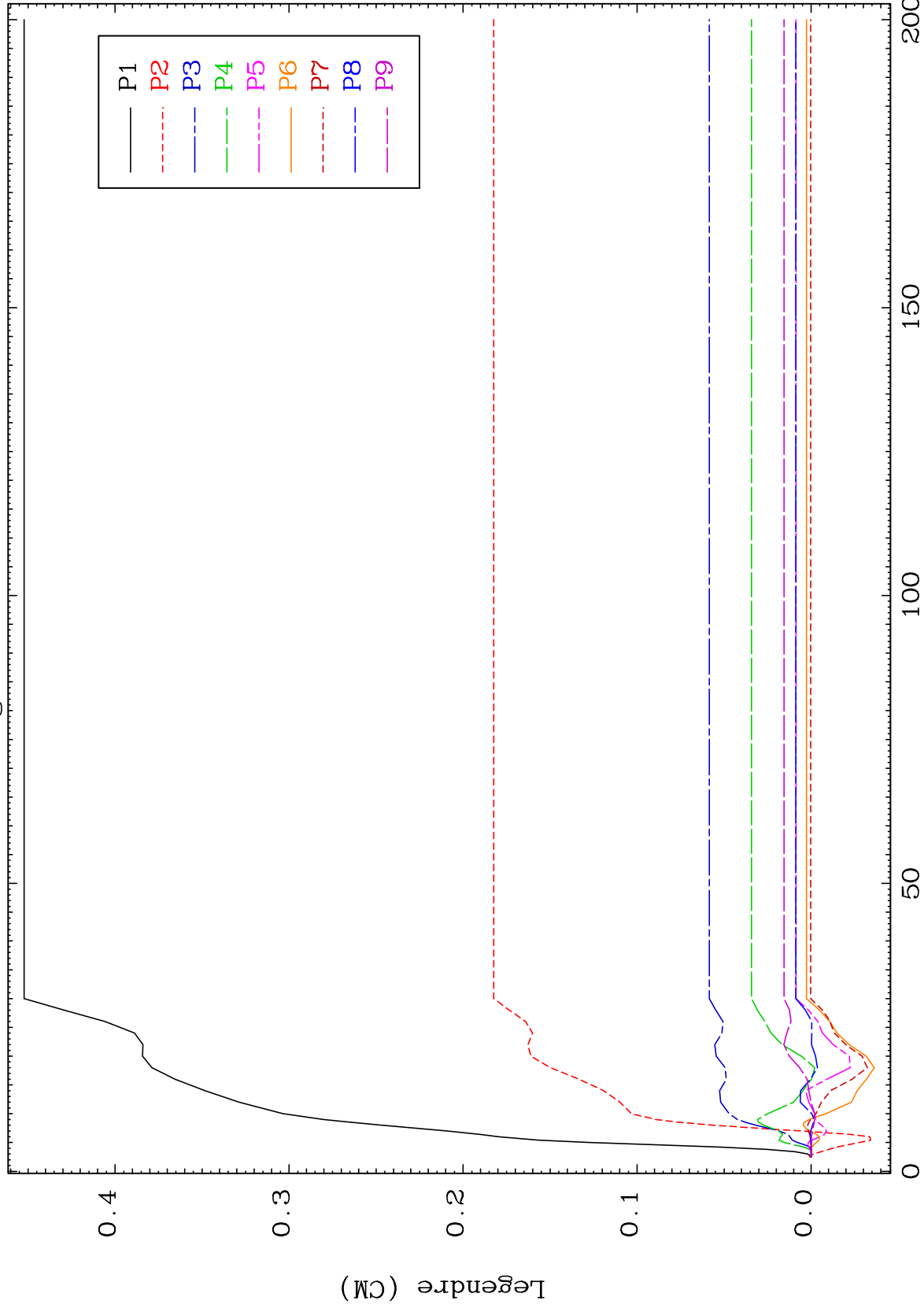
49-In-123



MAT 4955

2.430 MeV (n,n') Level
Legendre Coefficients

49-In-123



114

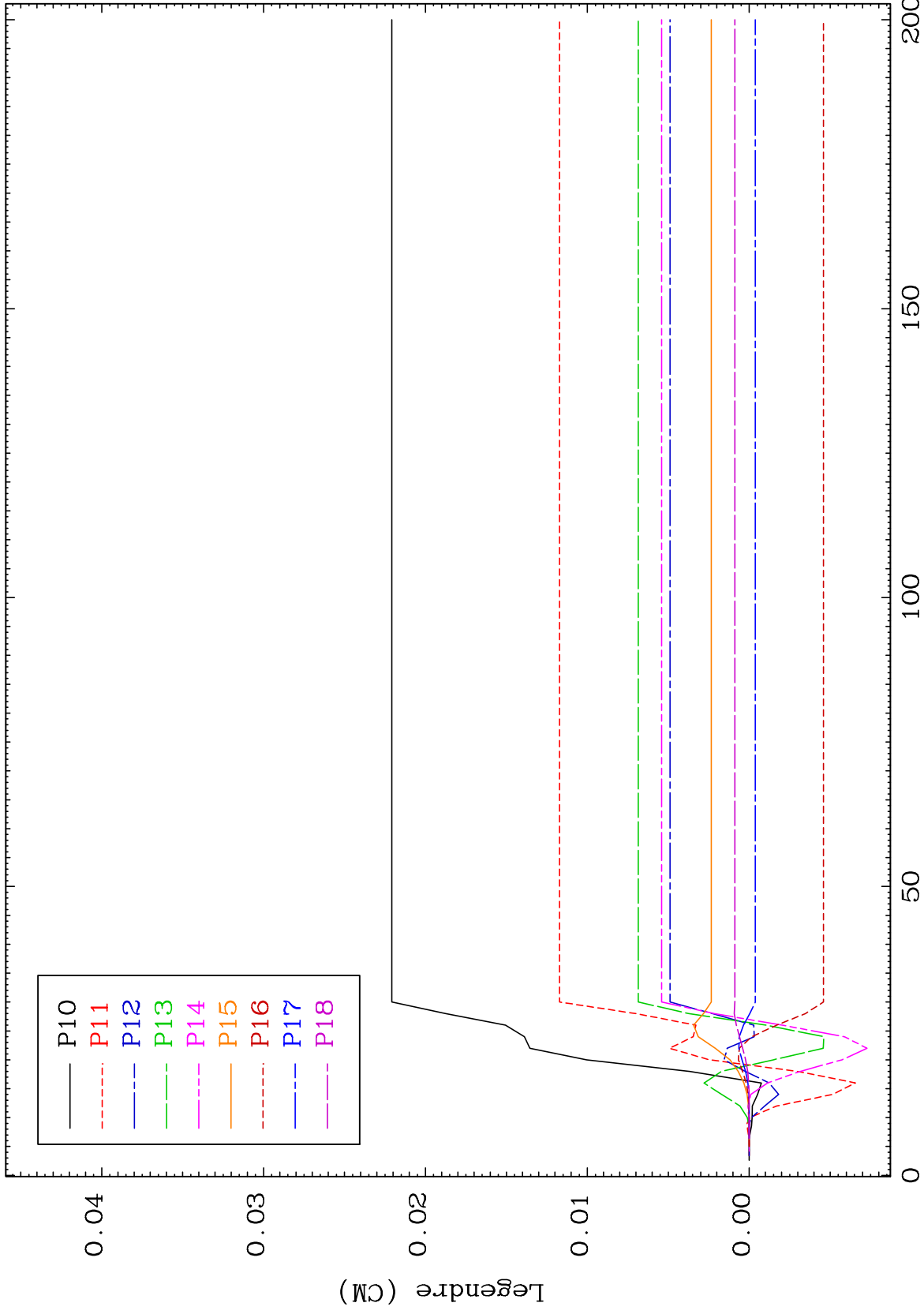
Incident Energy (MeV)

49-In-123

MAT 4955

2.430 MeV (n,n') Level
Legendre Coefficients

49-In-123



115

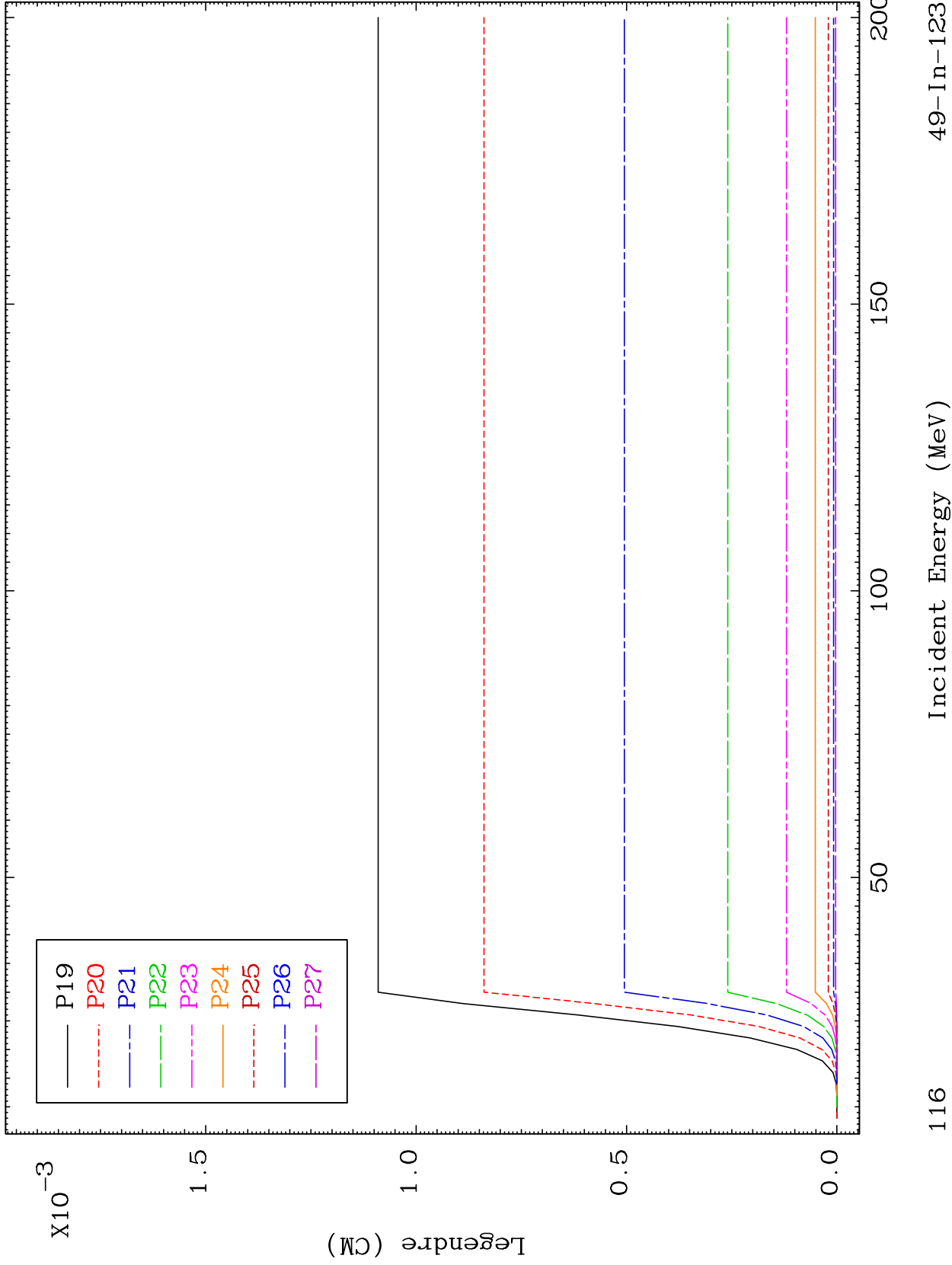
Incident Energy (MeV)

49-In-123

MAT 4955

2.430 MeV (n,n') Level
Legendre Coefficients

49-In-123



116

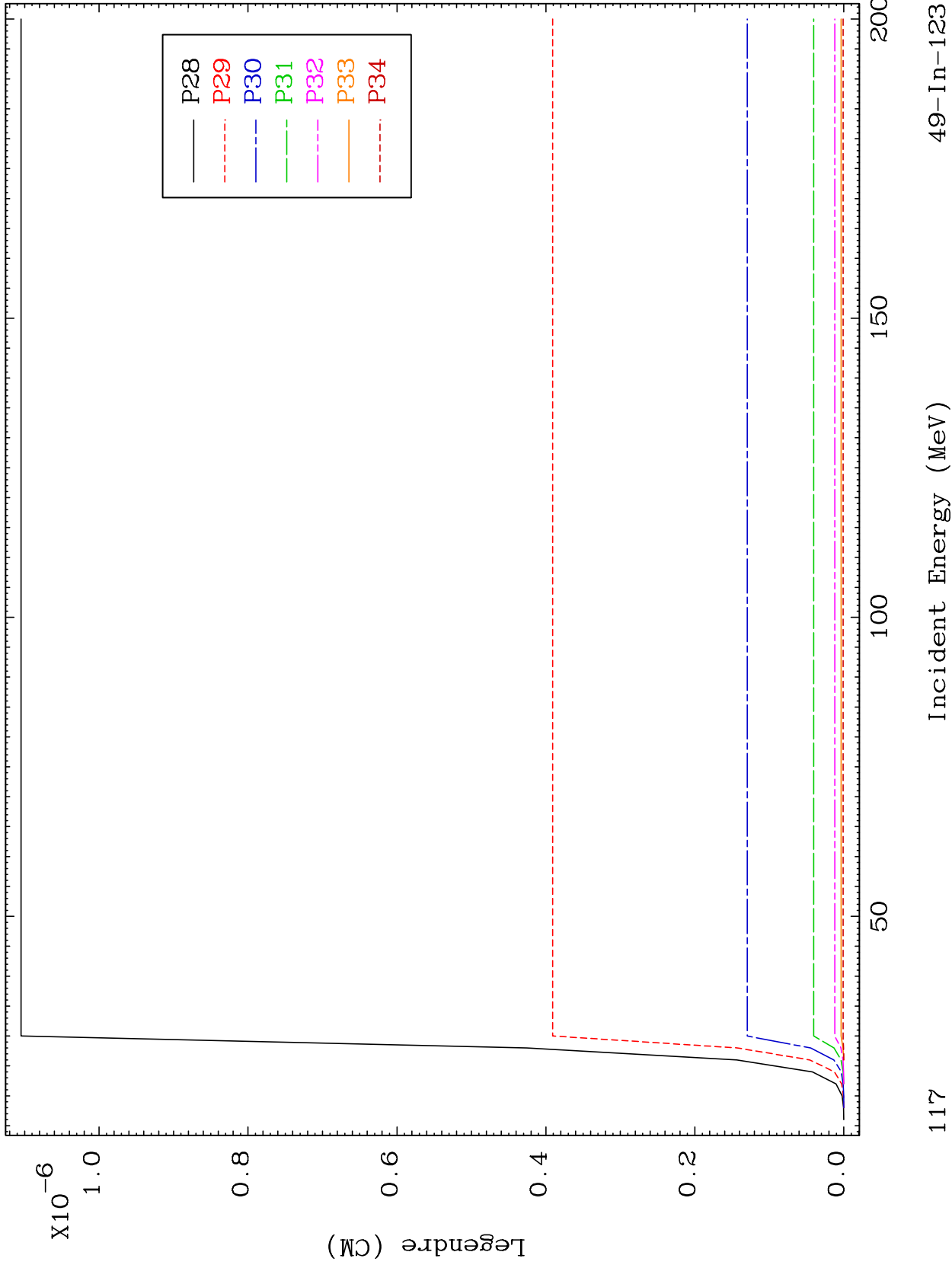
Incident Energy (MeV)

49-In-123

MAT 4955

2.430 MeV (n,n') Level
Legendre Coefficients

49-In-123



117

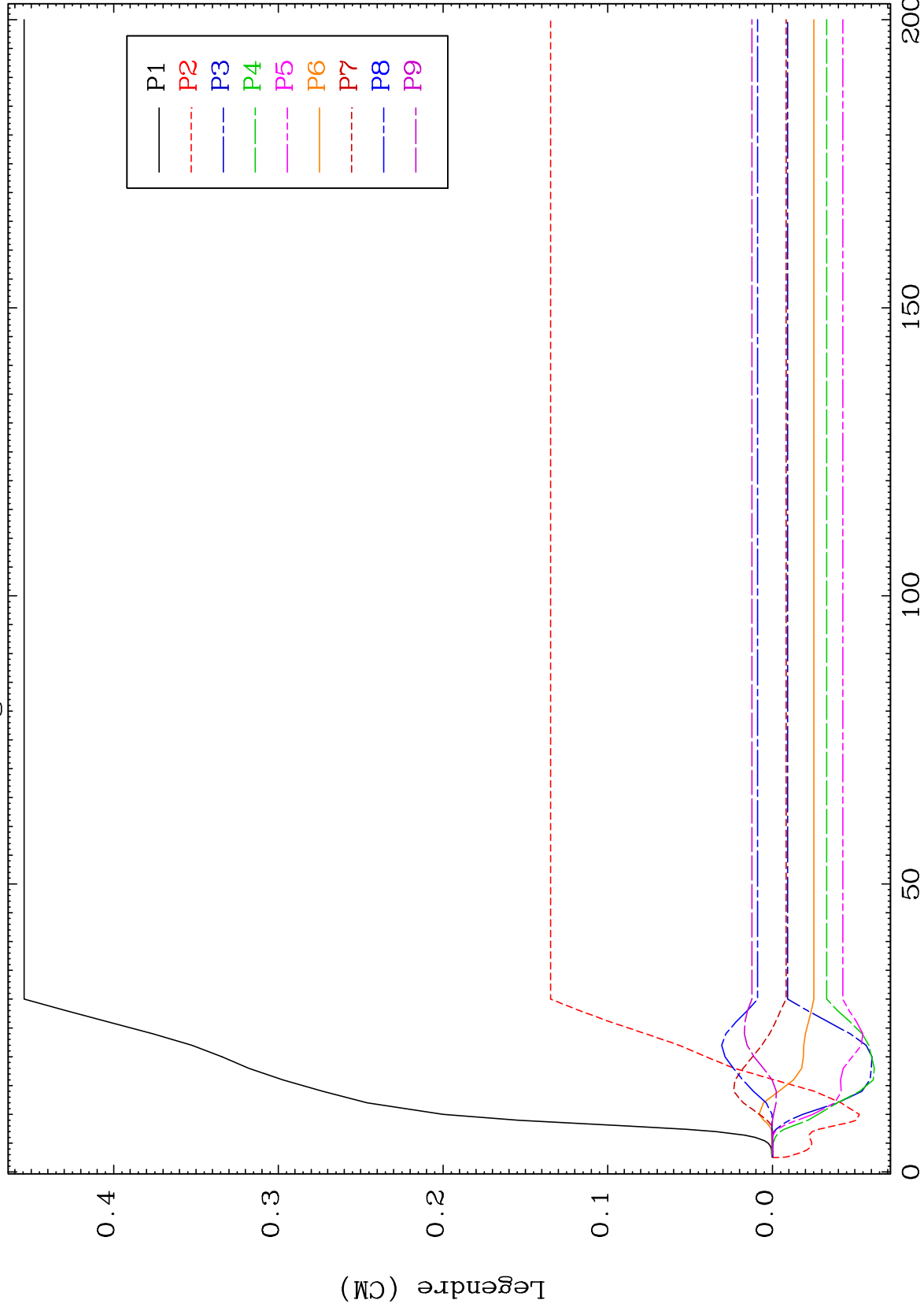
Incident Energy (MeV)

49-In-123

MAT 4955

2.461 MeV (n,n') Level
Legendre Coefficients

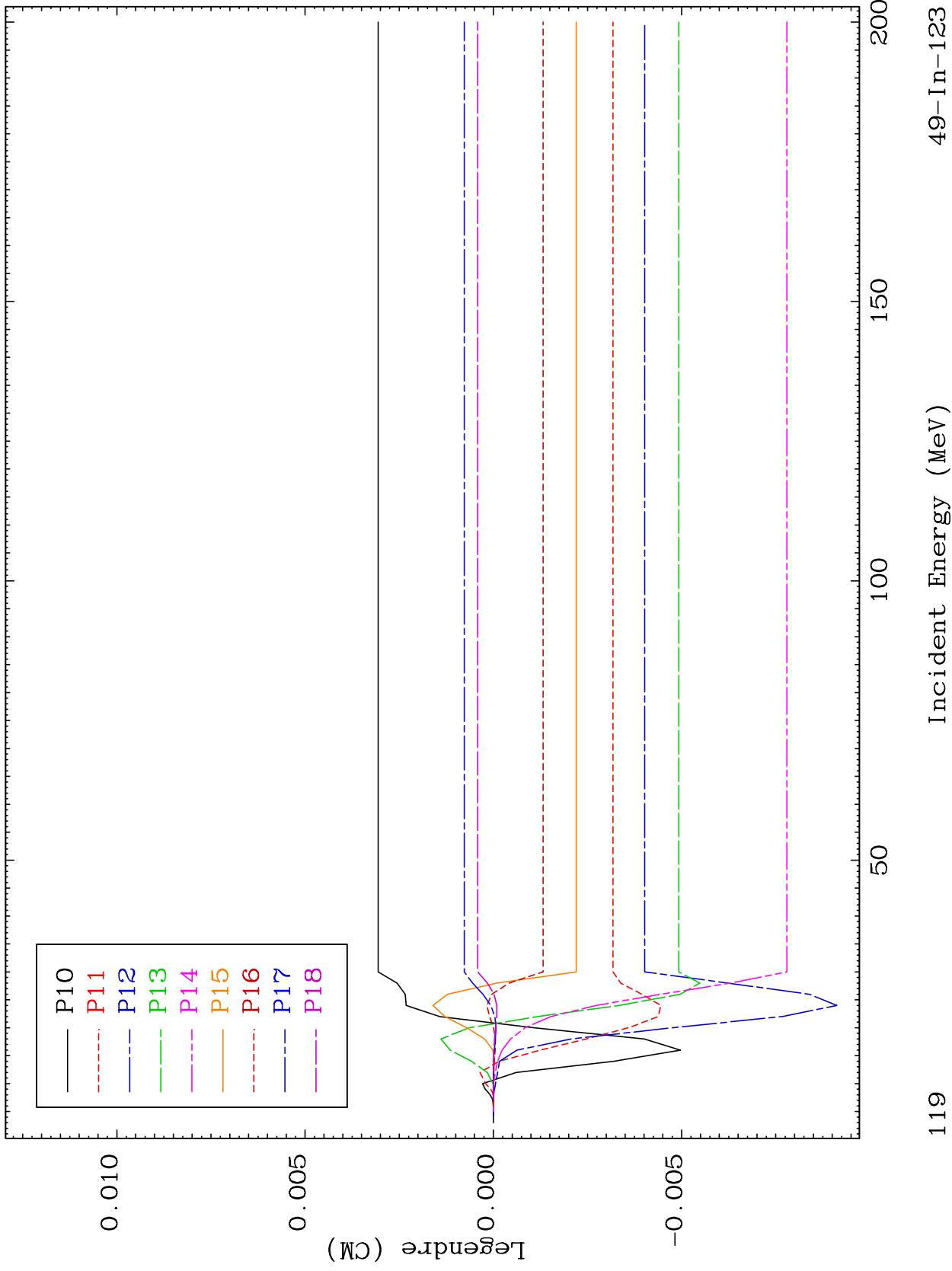
49-In-123



118

Incident Energy (MeV)

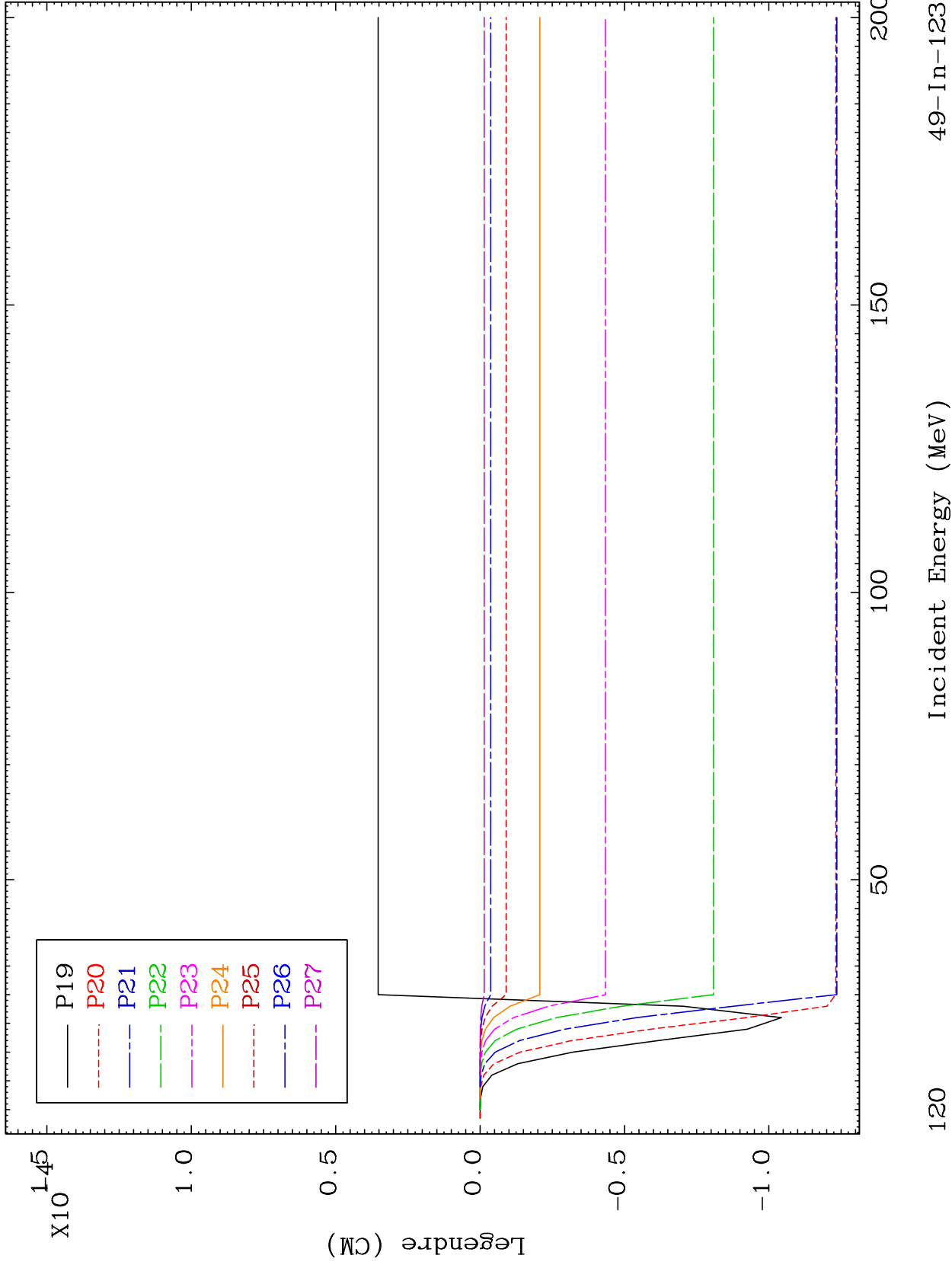
49-In-123



MAT 4955

2.461 MeV (n,n') Level
Legendre Coefficients

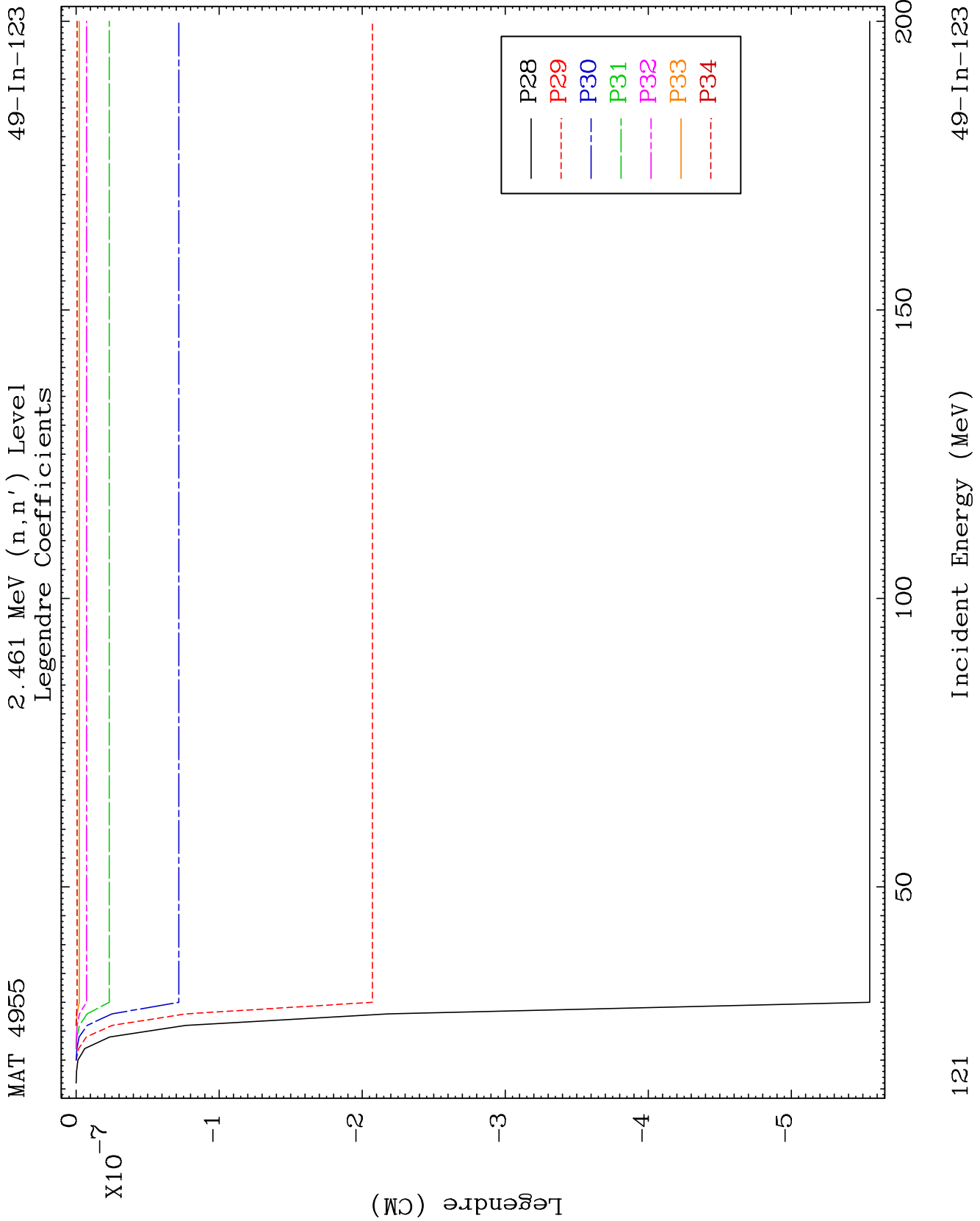
49-In-123

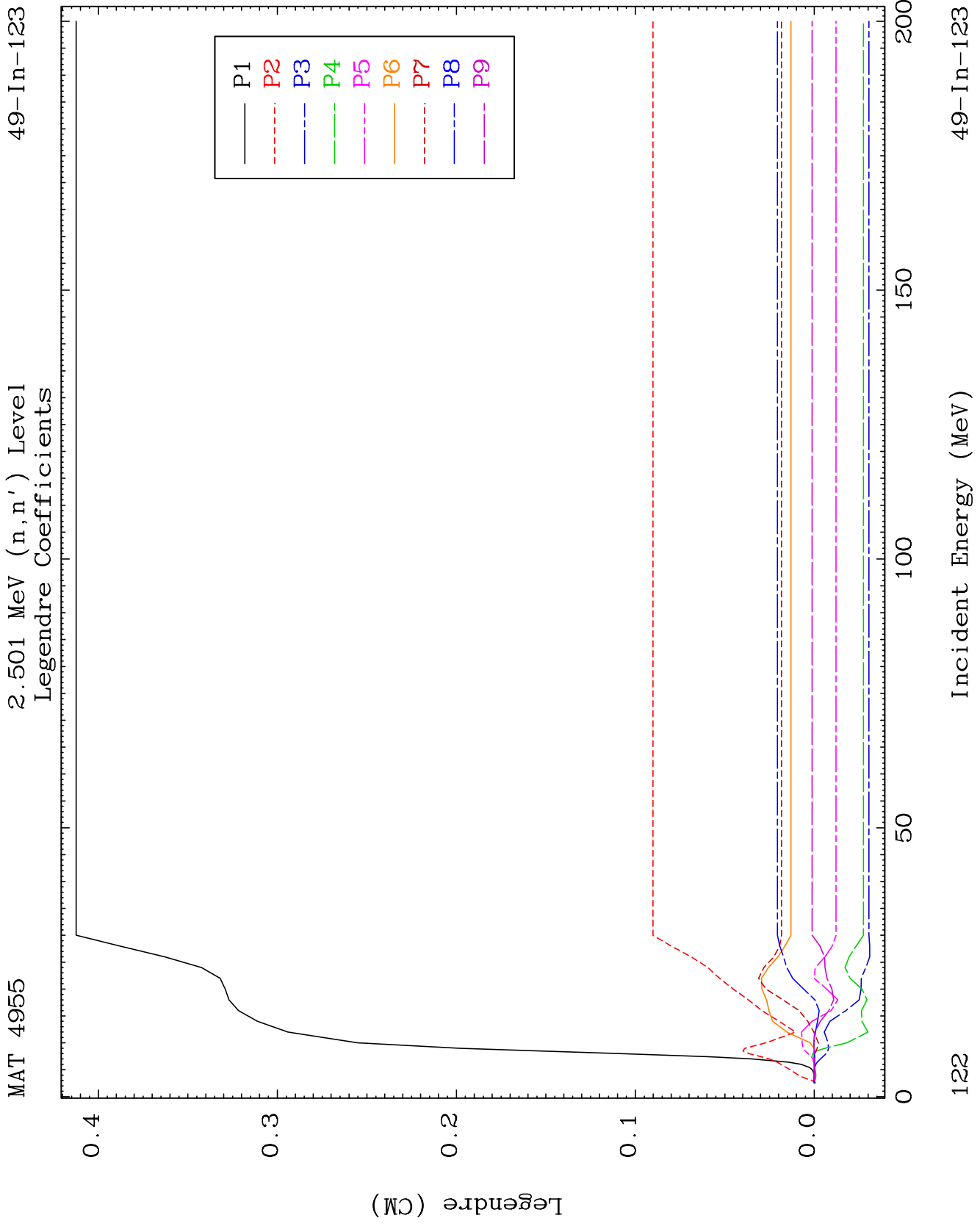


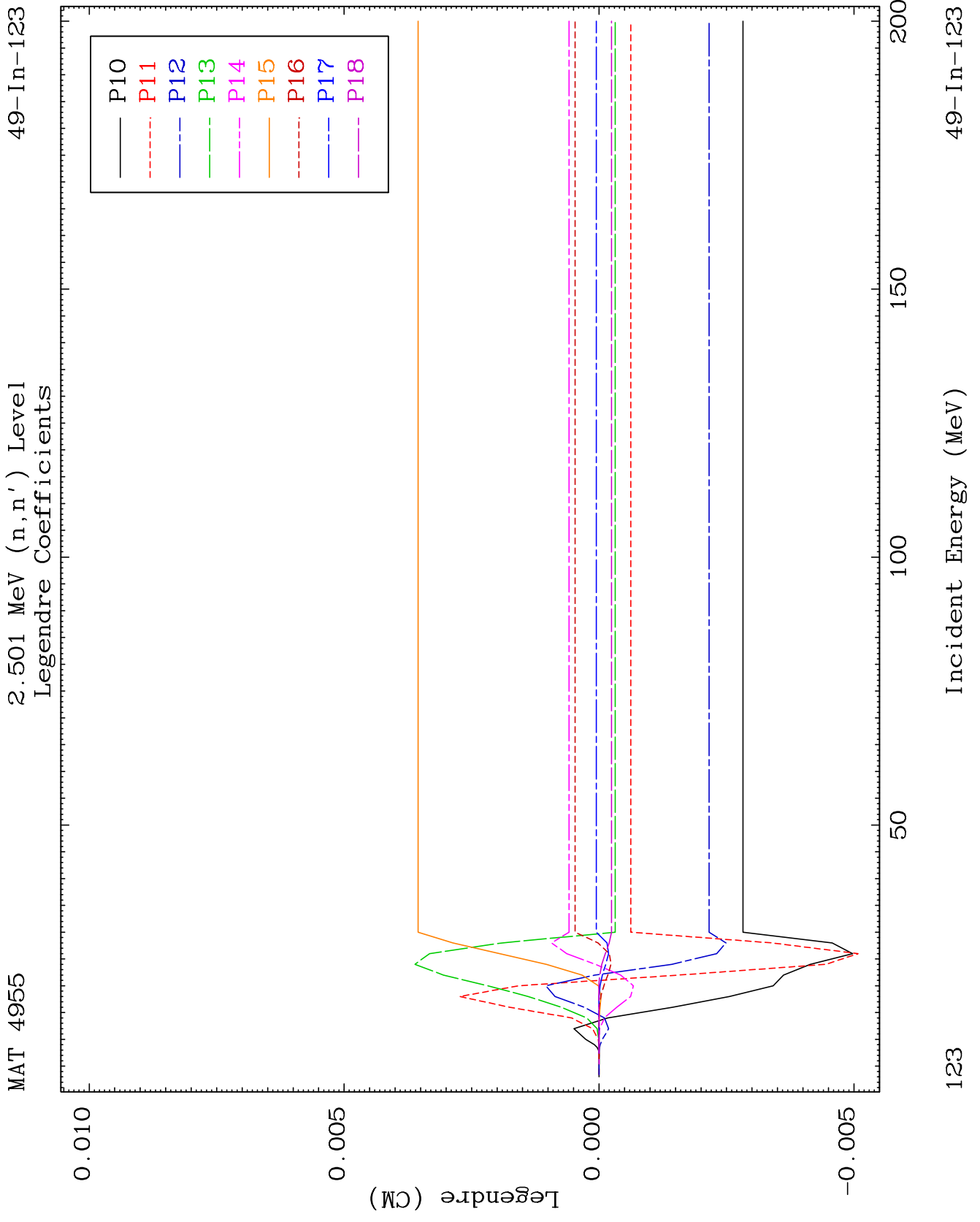
120

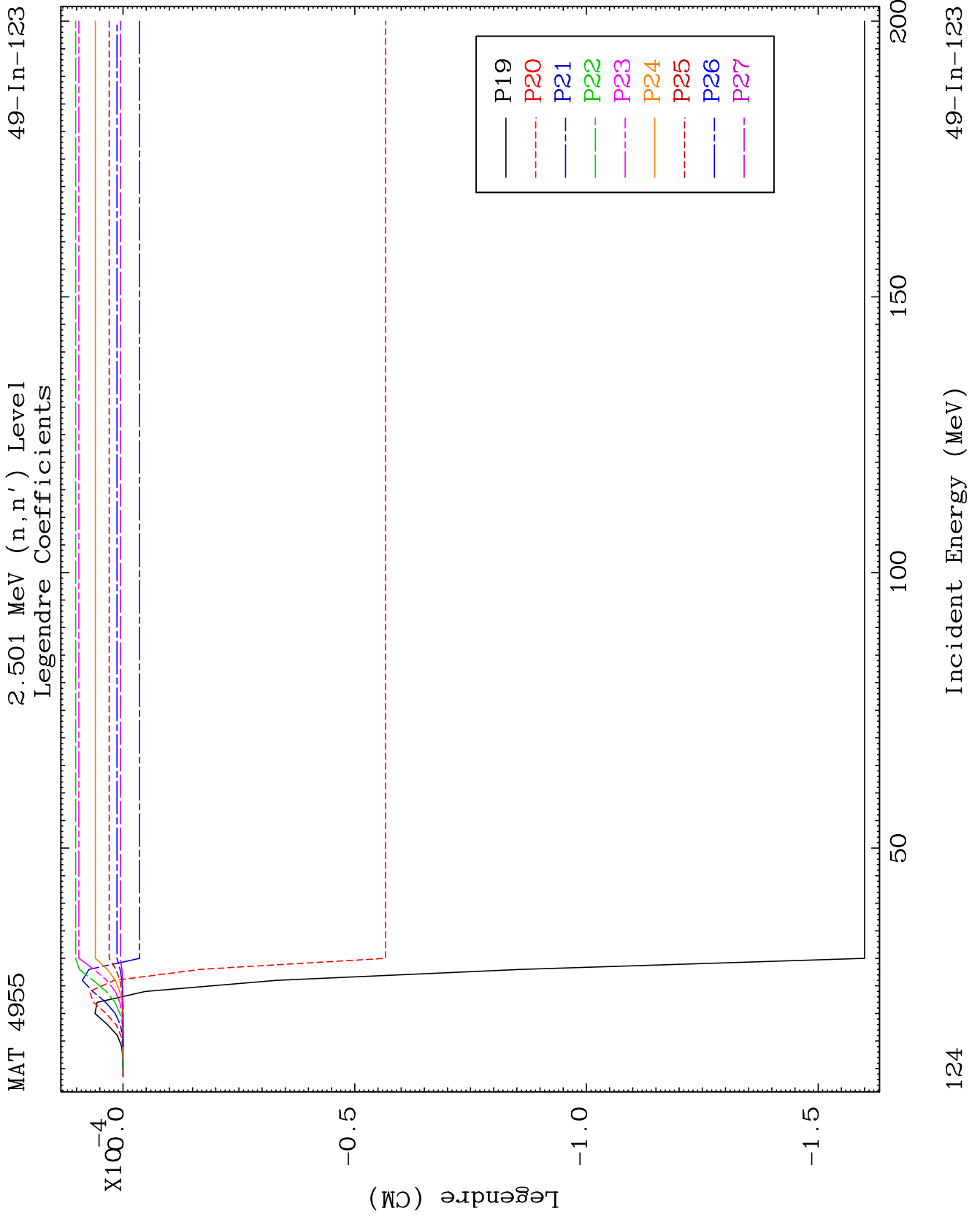
Incident Energy (MeV)

49-In-123





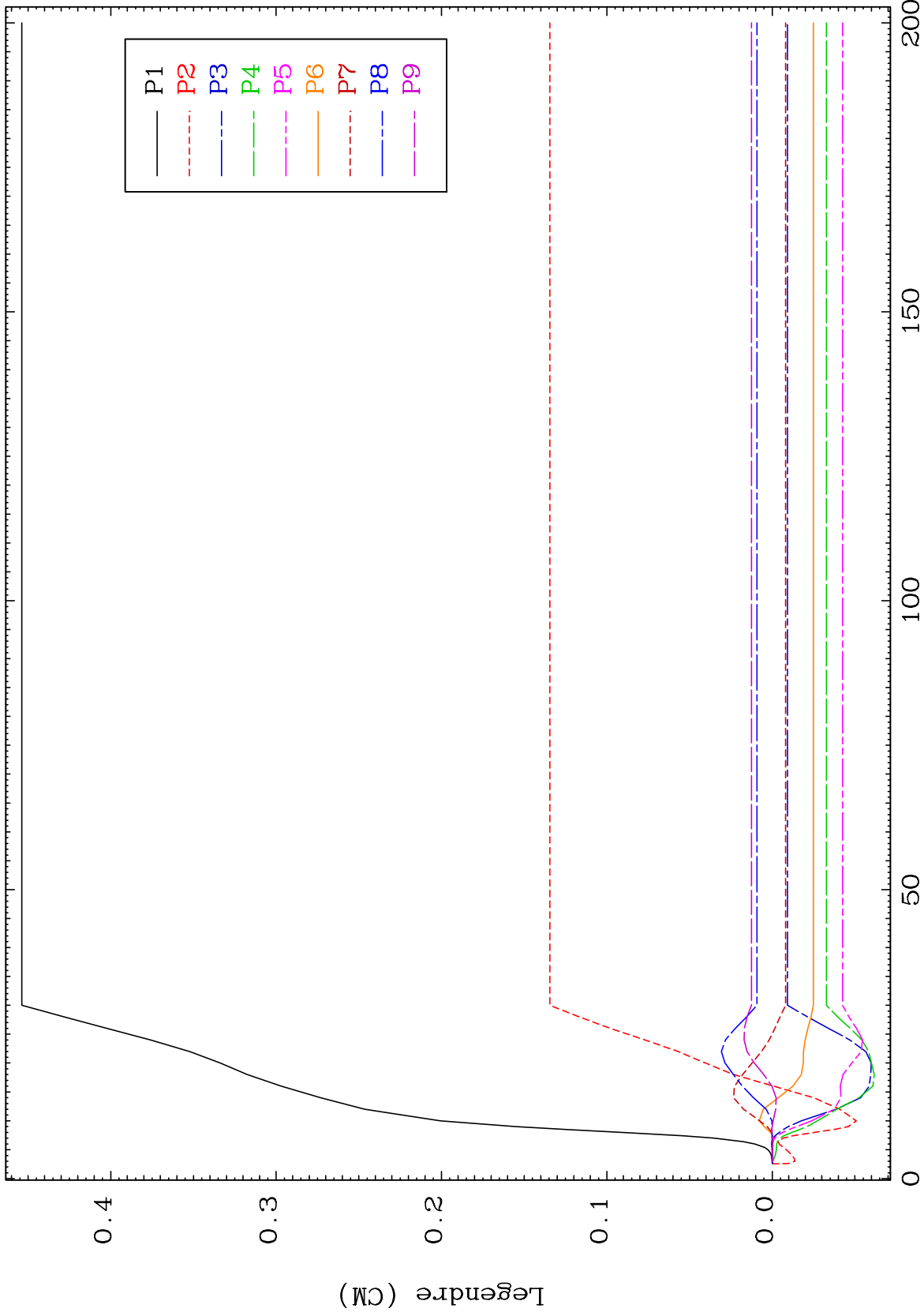




MAT 4955

2.529 MeV (n,n') Level
Legendre Coefficients

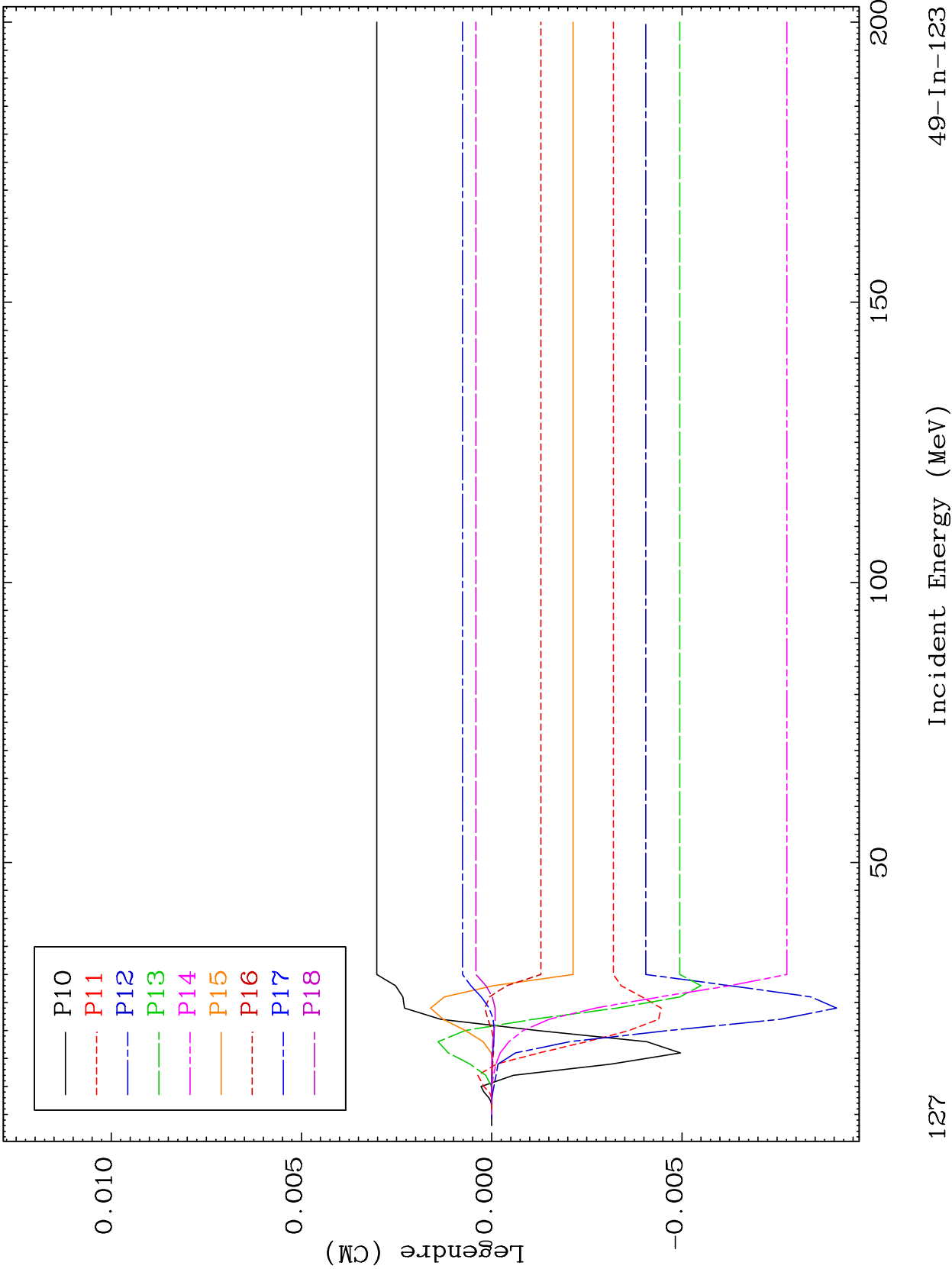
49-In-123

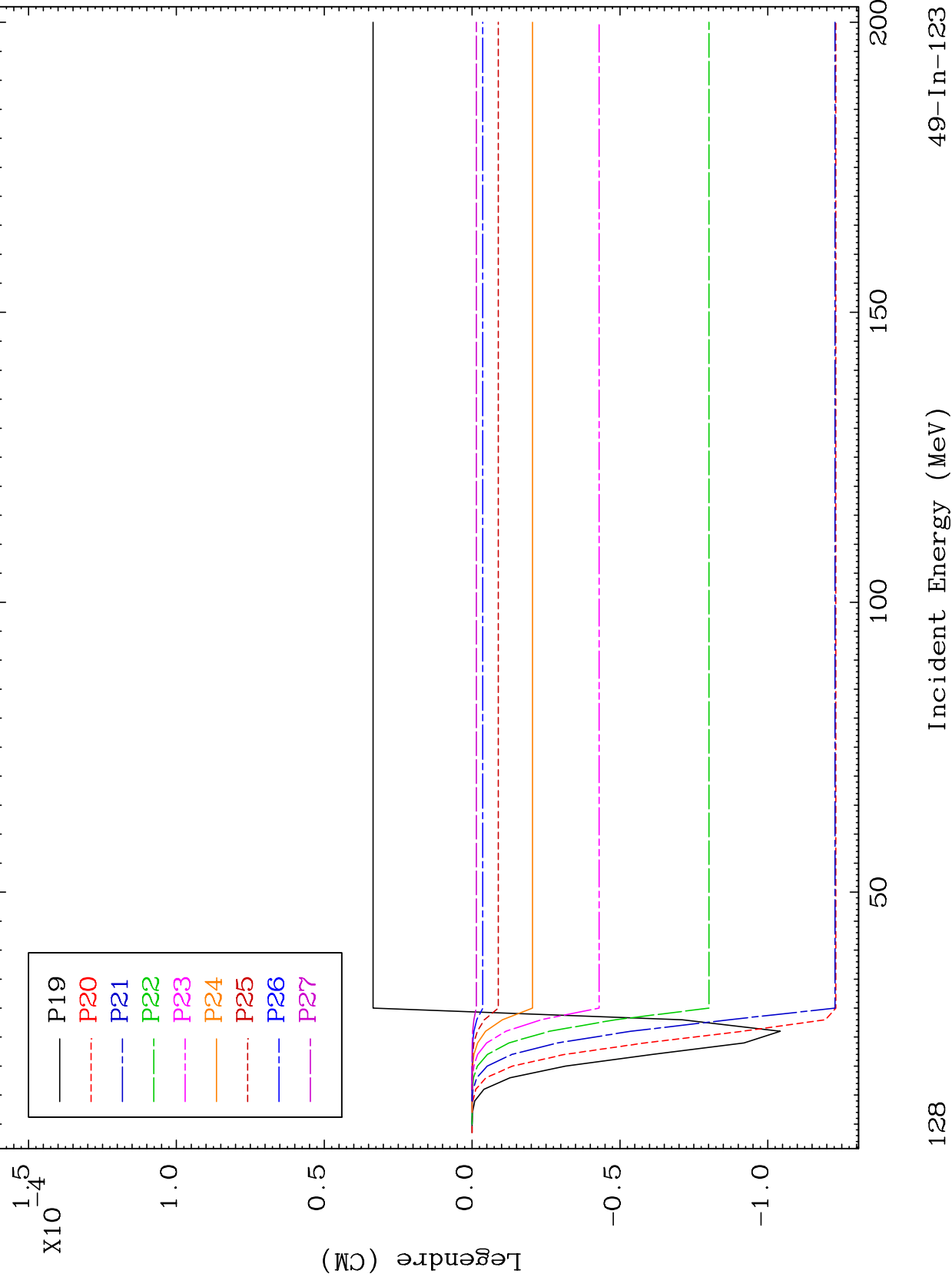


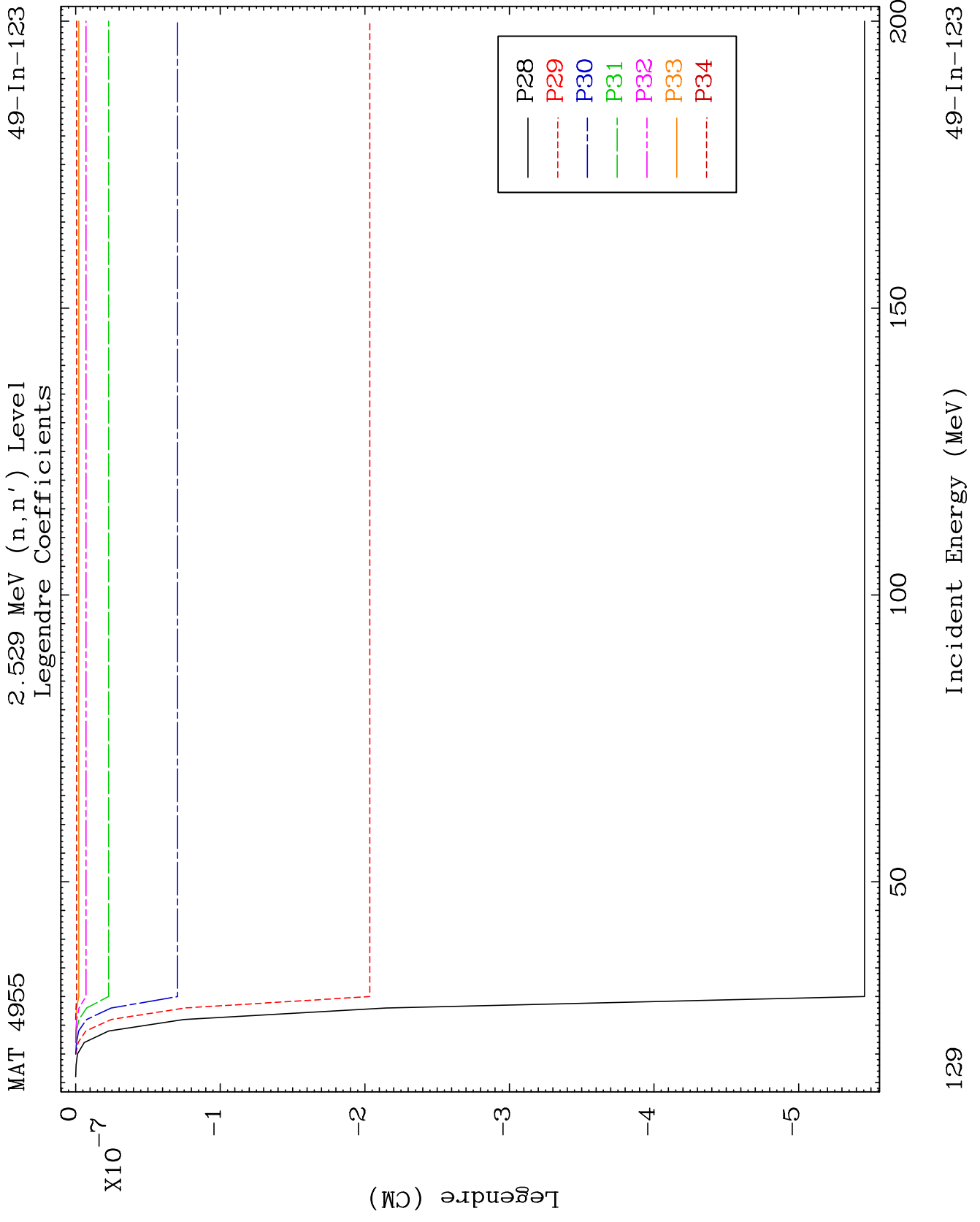
126

Incident Energy (MeV)

49-In-123



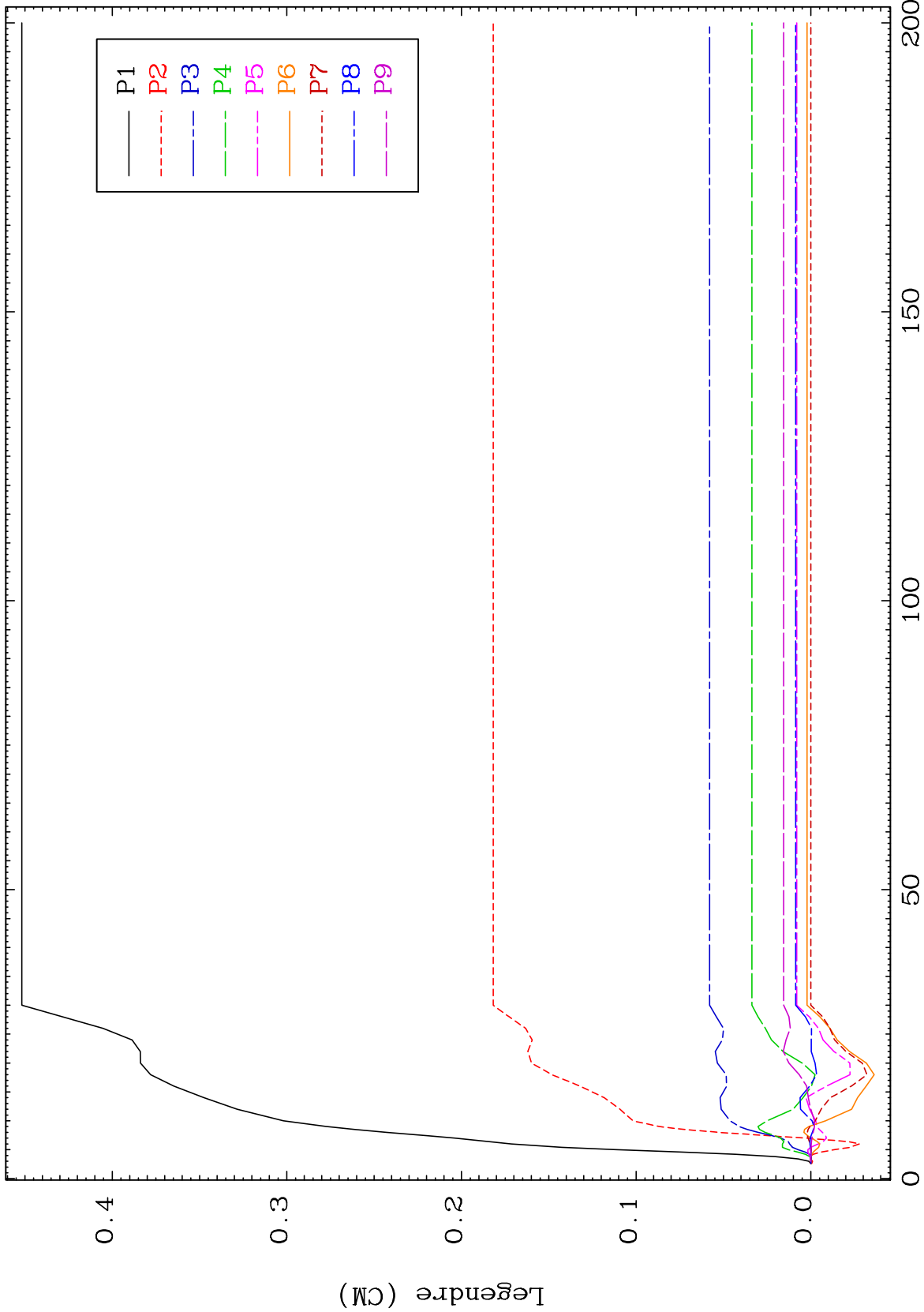




MAT 4955

2.535 MeV (n,n') Level
Legendre Coefficients

49-In-123



49-In-123

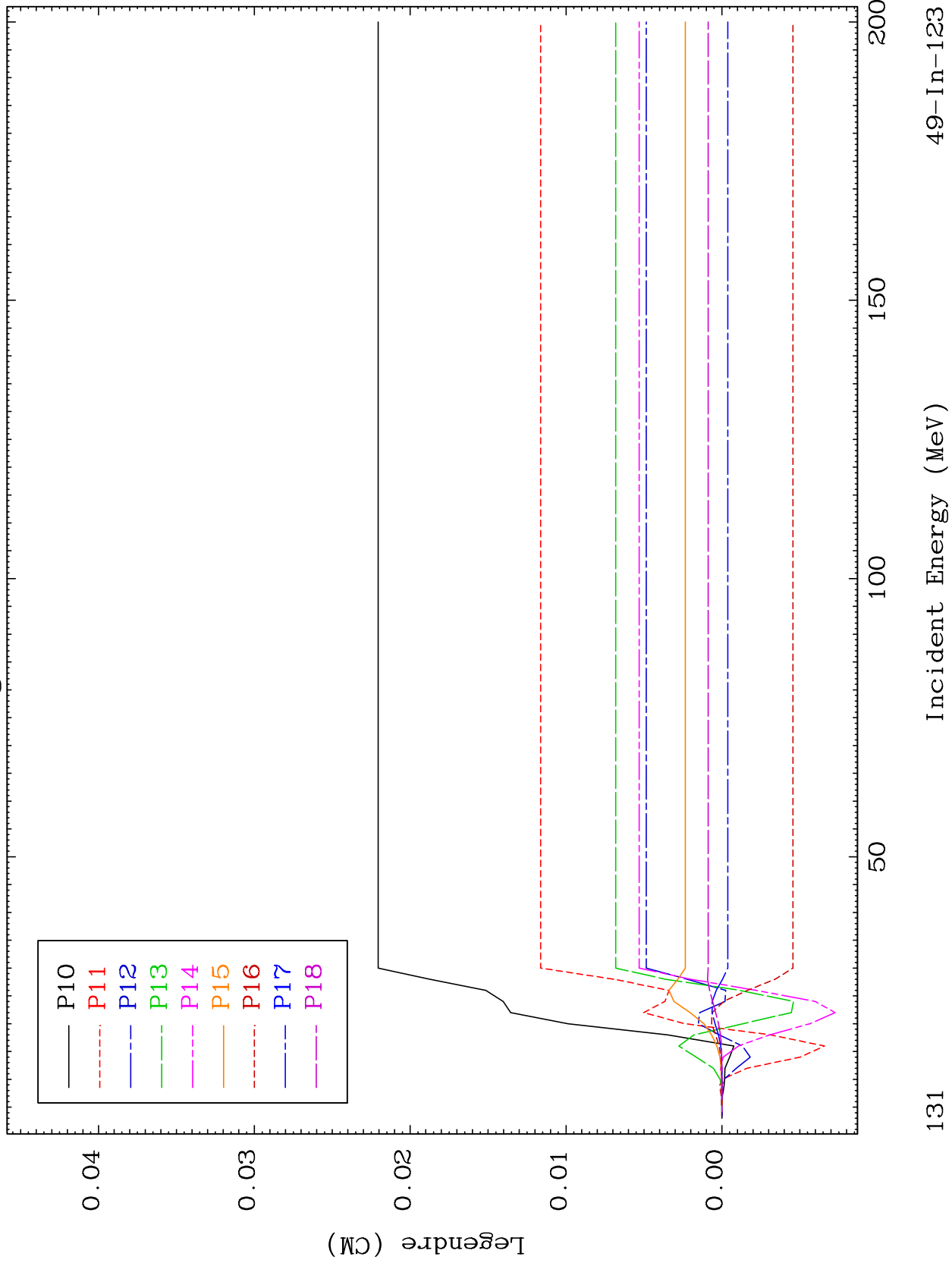
Incident Energy (MeV)

130

MAT 4955

2.535 MeV (n,n') Level
Legendre Coefficients

49-In-123



131

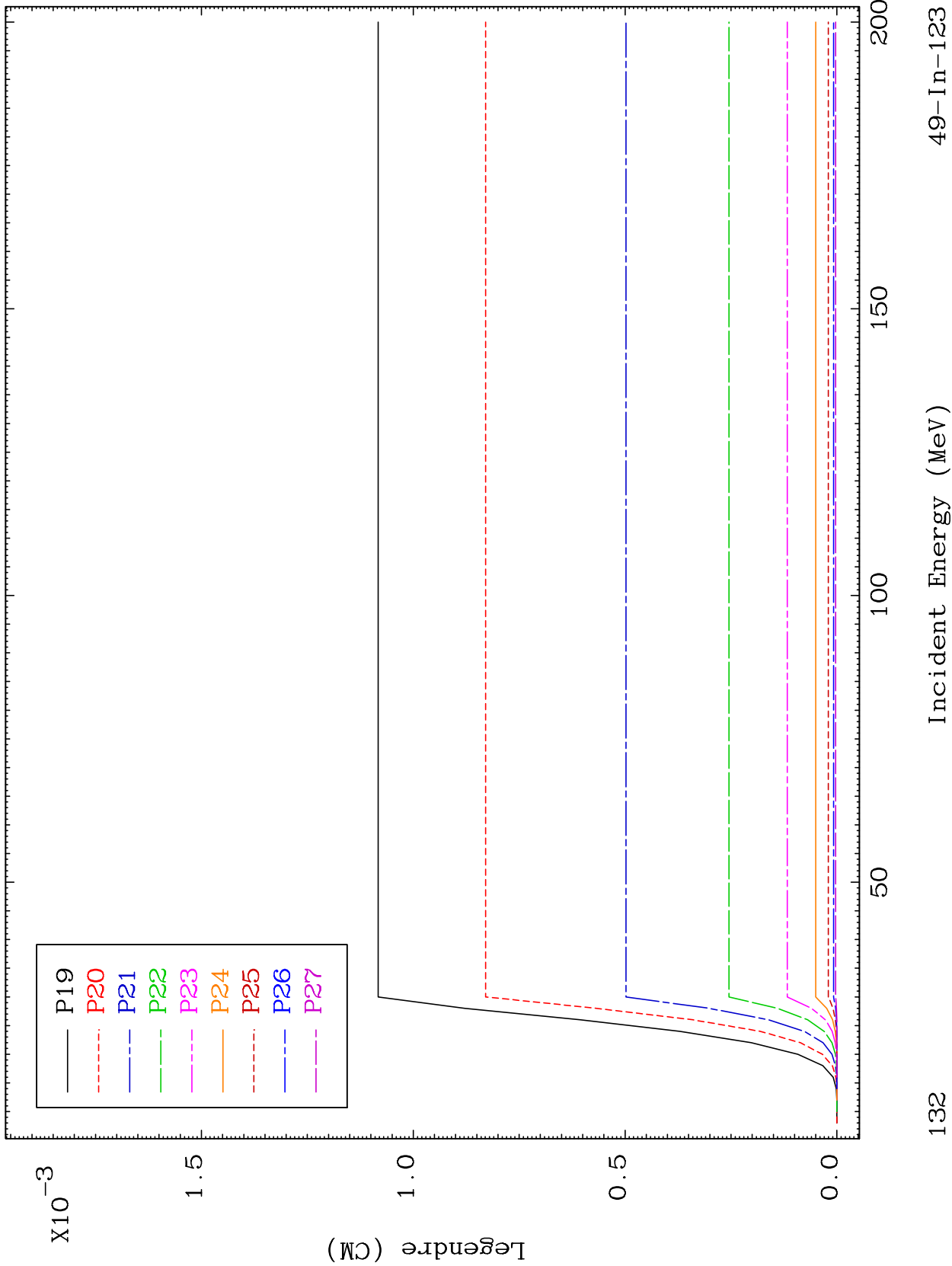
Incident Energy (MeV)

49-In-123

MAT 4955

2.535 MeV (n,n') Level
Legendre Coefficients

49-In-123



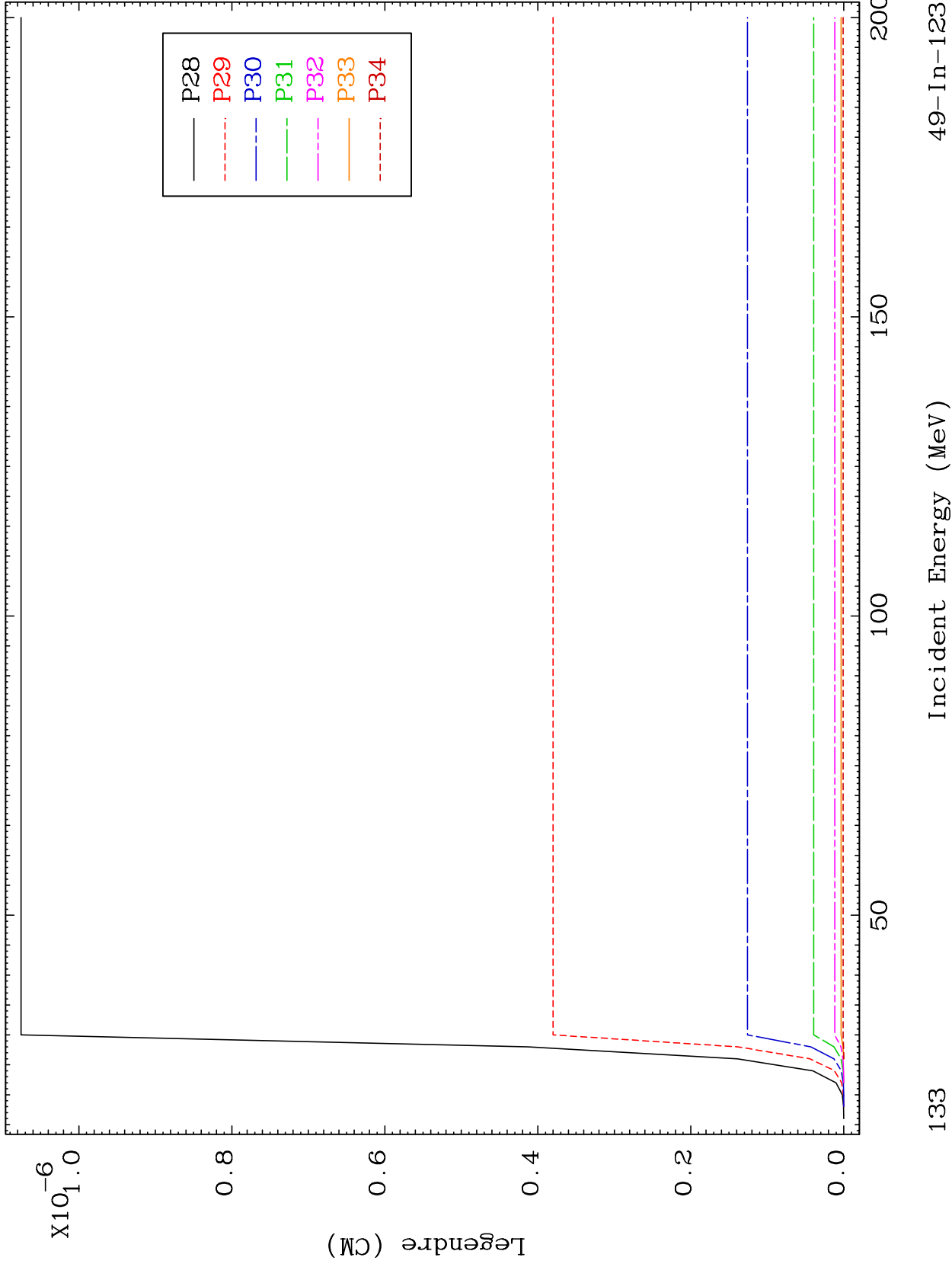
132

49-In-123

MAT 4955

2.535 MeV (n,n') Level
Legendre Coefficients

49-In-123



133

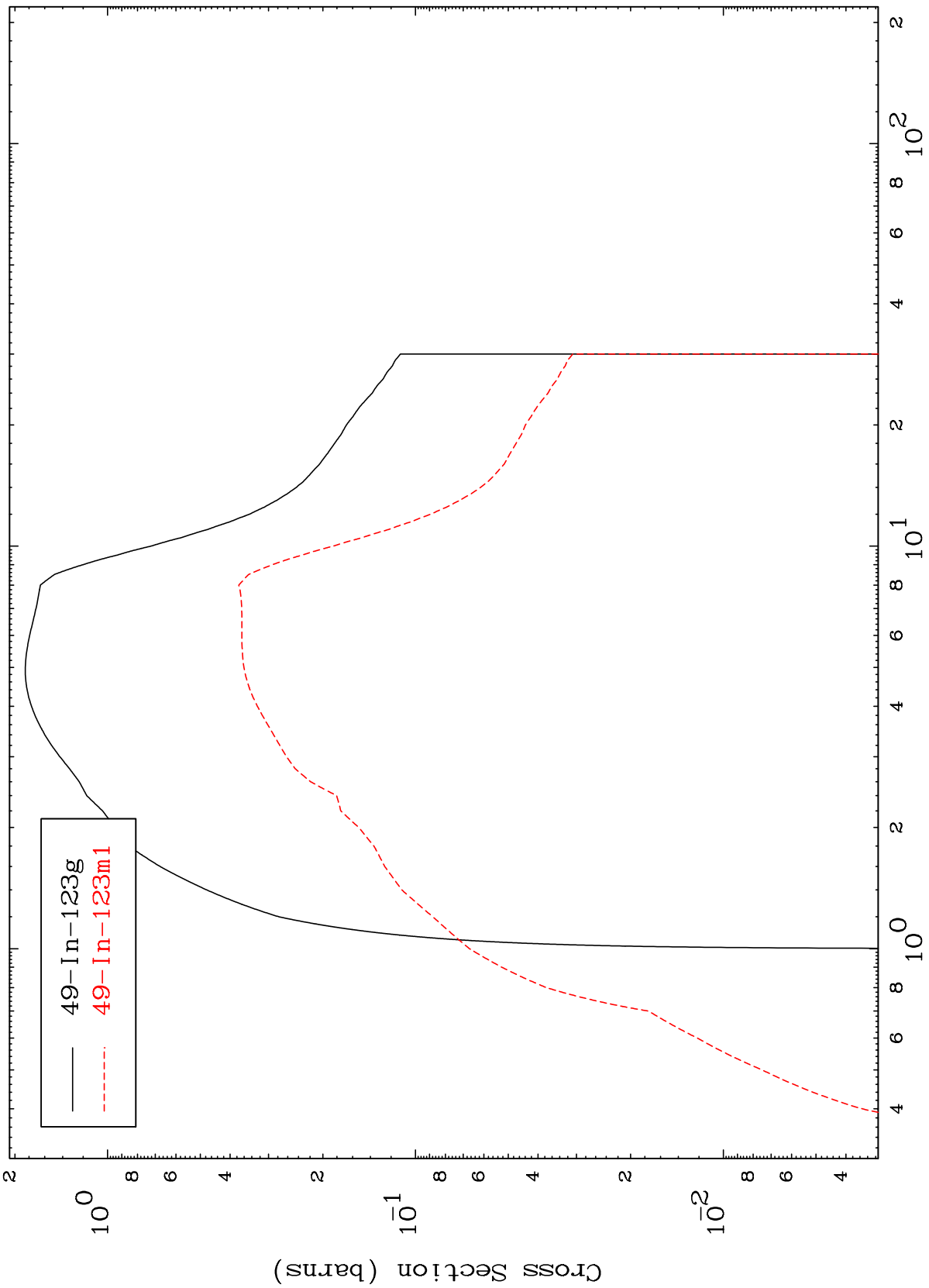
Incident Energy (MeV)

49-In-123

MAT 4955

49-In-123

Inelastic
Radionuclide Production Cross Section



— 49-In-123g
- - - 49-In-123m1

49-In-123

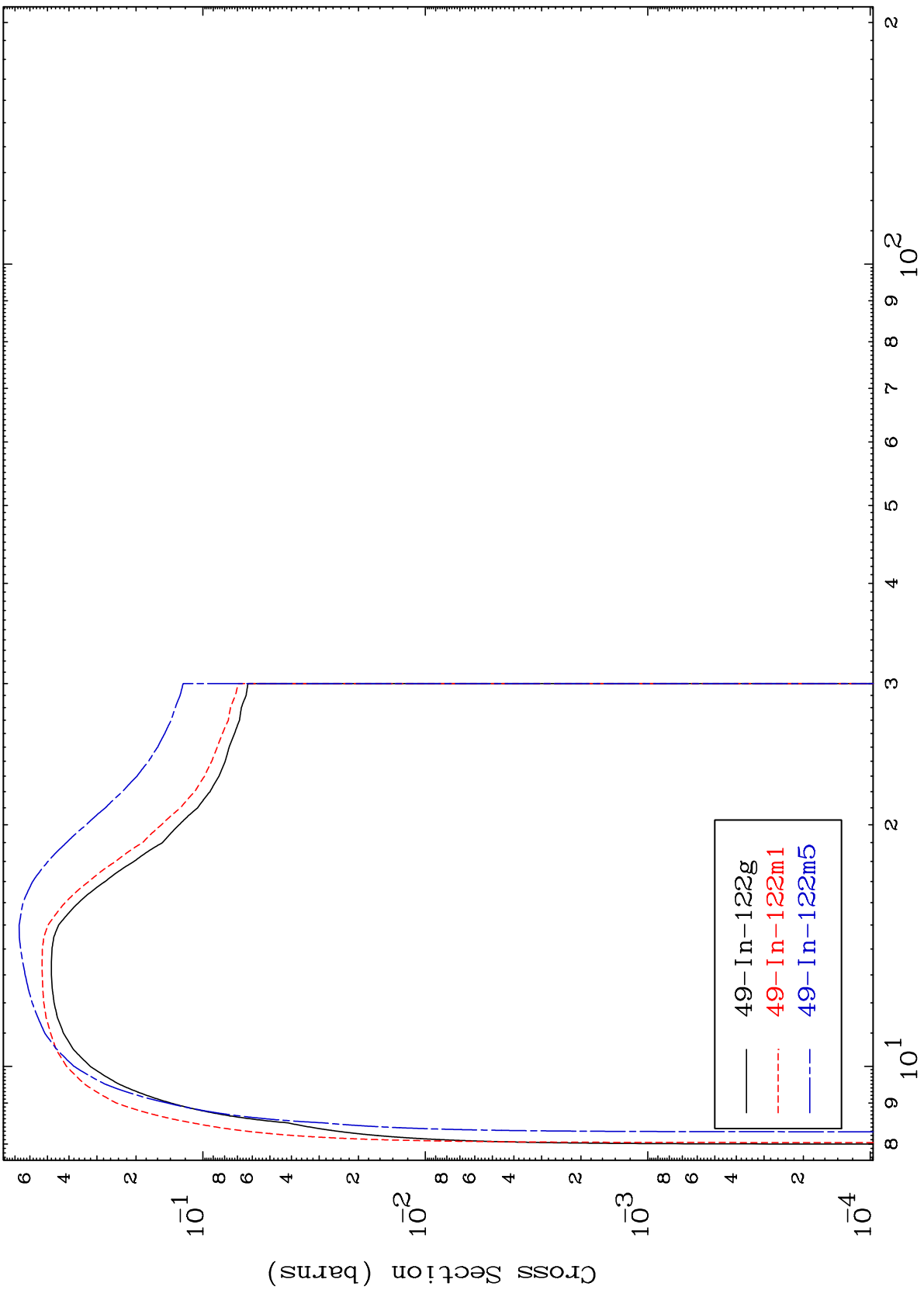
Incident Energy (MeV)

134

MAT 4955

49-In-123

(n,2n)
Radionuclide Production Cross Section

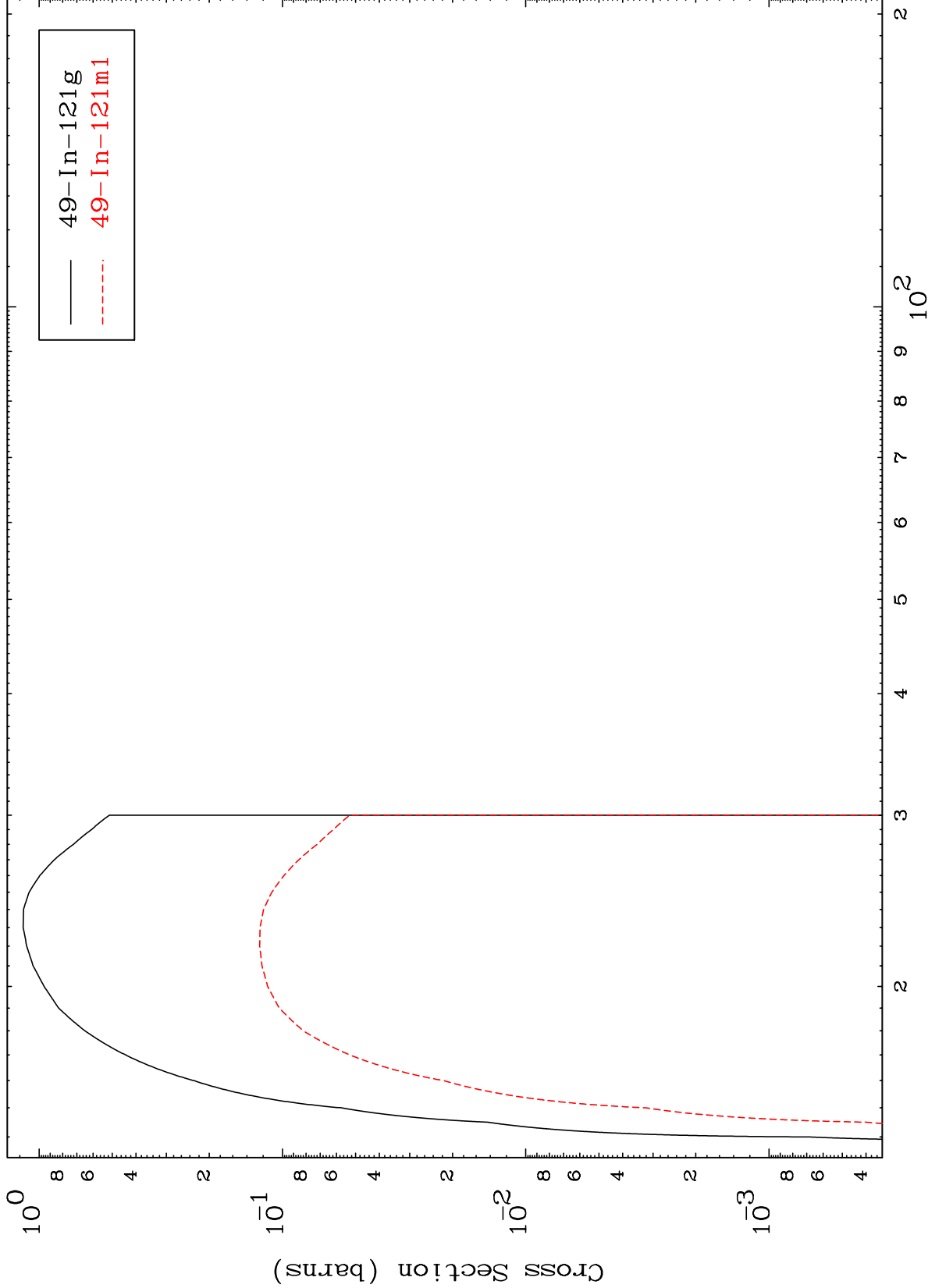


49-In-123

Incident Energy (MeV)

135

Radionuclide Production Cross Section

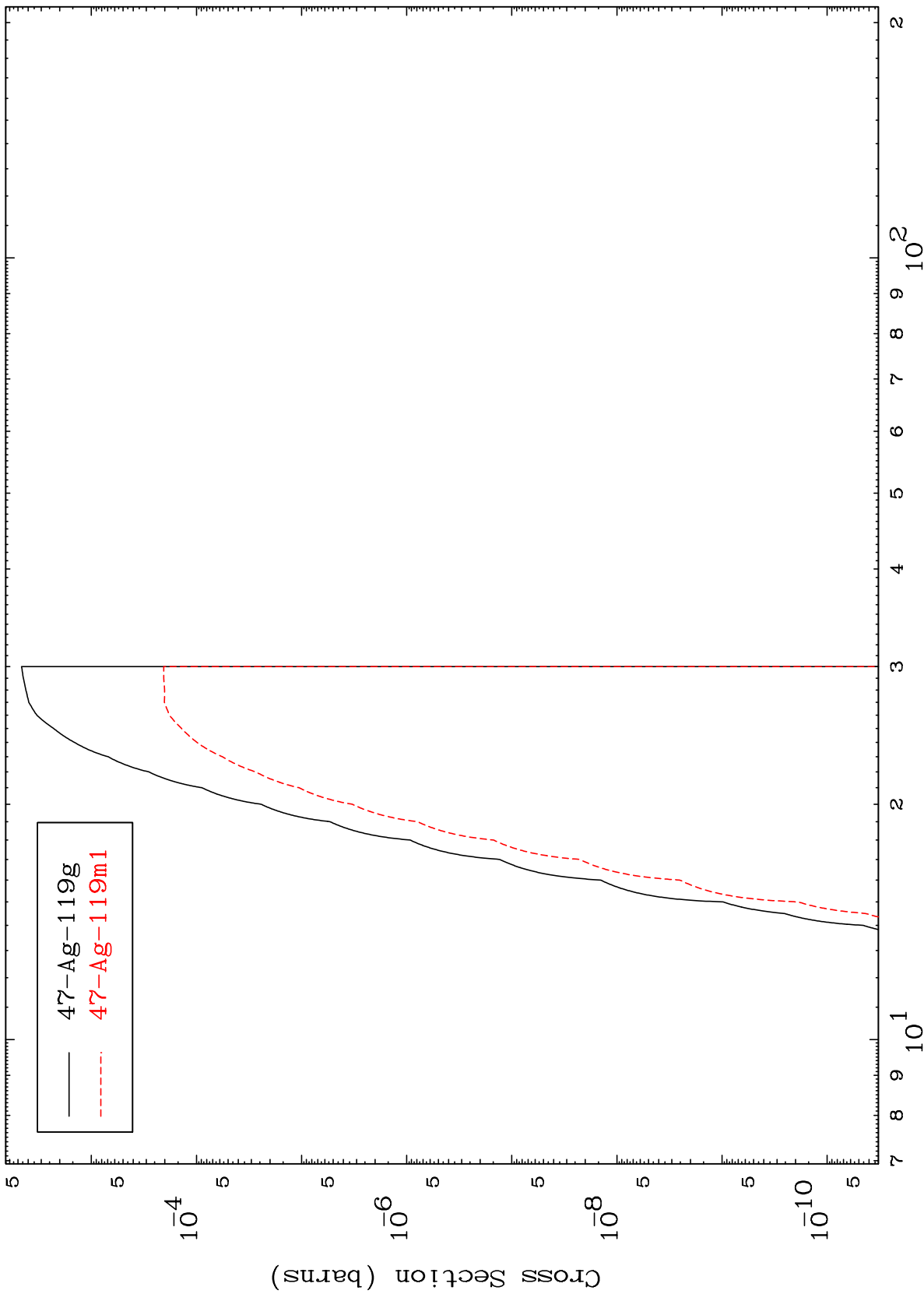


MAT 4955

(n,n') α

49-In-123

Radionuclide Production Cross Section



— 47-Ag-119g
- - - 47-Ag-119m1

137

Incident Energy (MeV)

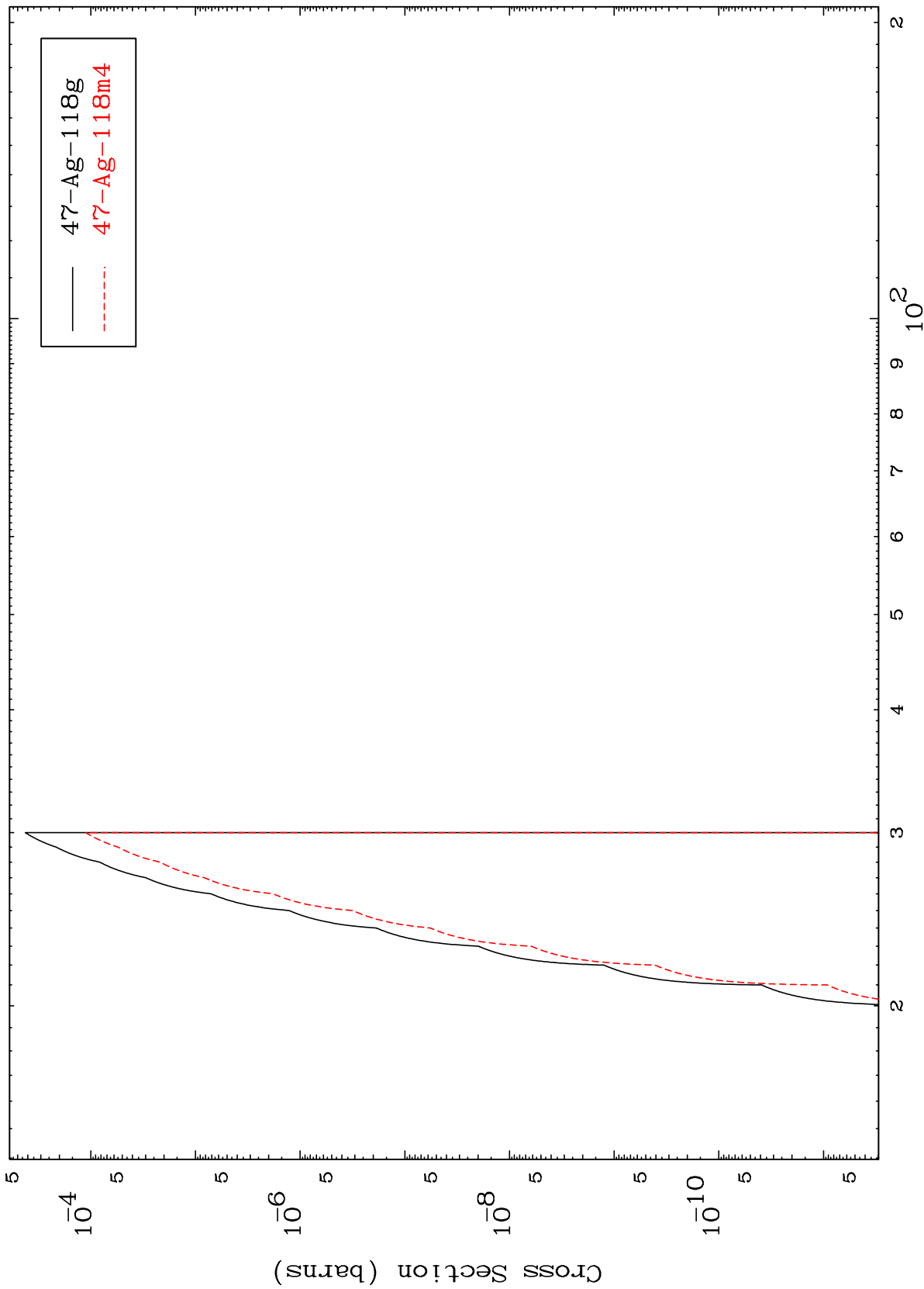
49-In-123

MAT 4955

(n,2n) α

49-In-123

Radionuclide Production Cross Section



138

Incident Energy (MeV)

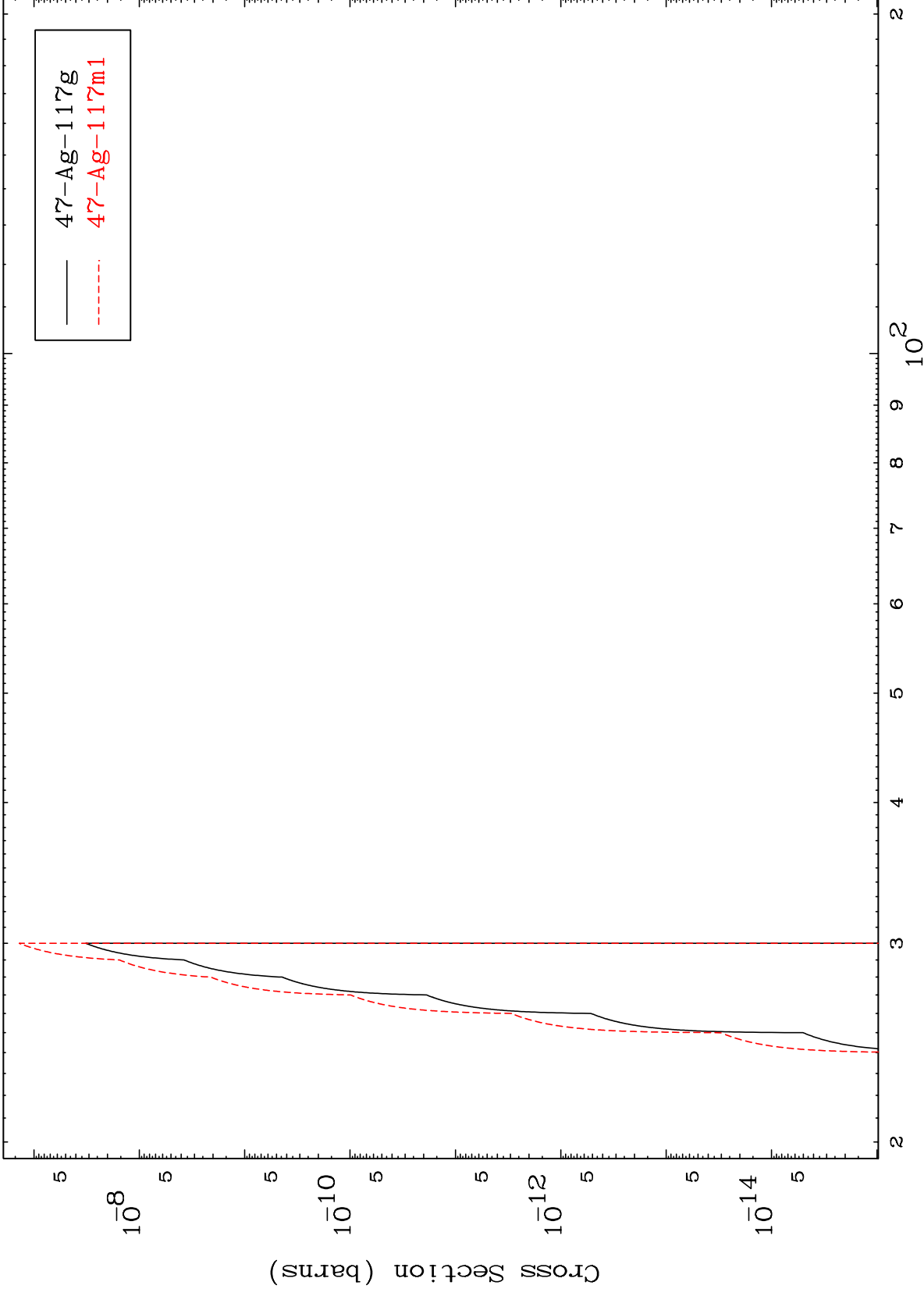
49-In-123

MAT 4955

(n,3n) α

49-In-123

Radionuclide Production Cross Section



139

Incident Energy (MeV)

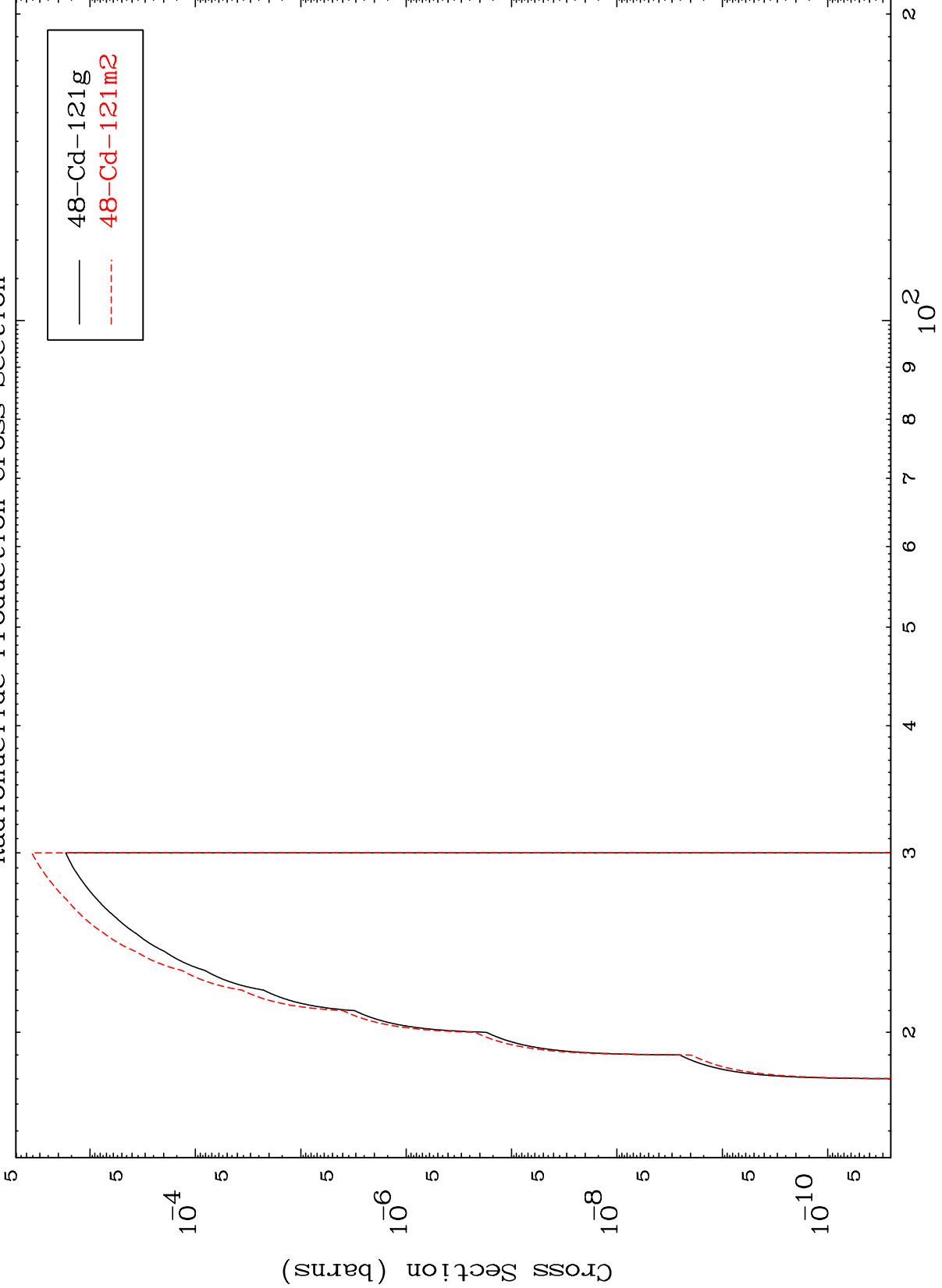
49-In-123

MAT 4955

(n,n') d

49-In-123

Radionuclide Production Cross Section



140

Incident Energy (MeV)

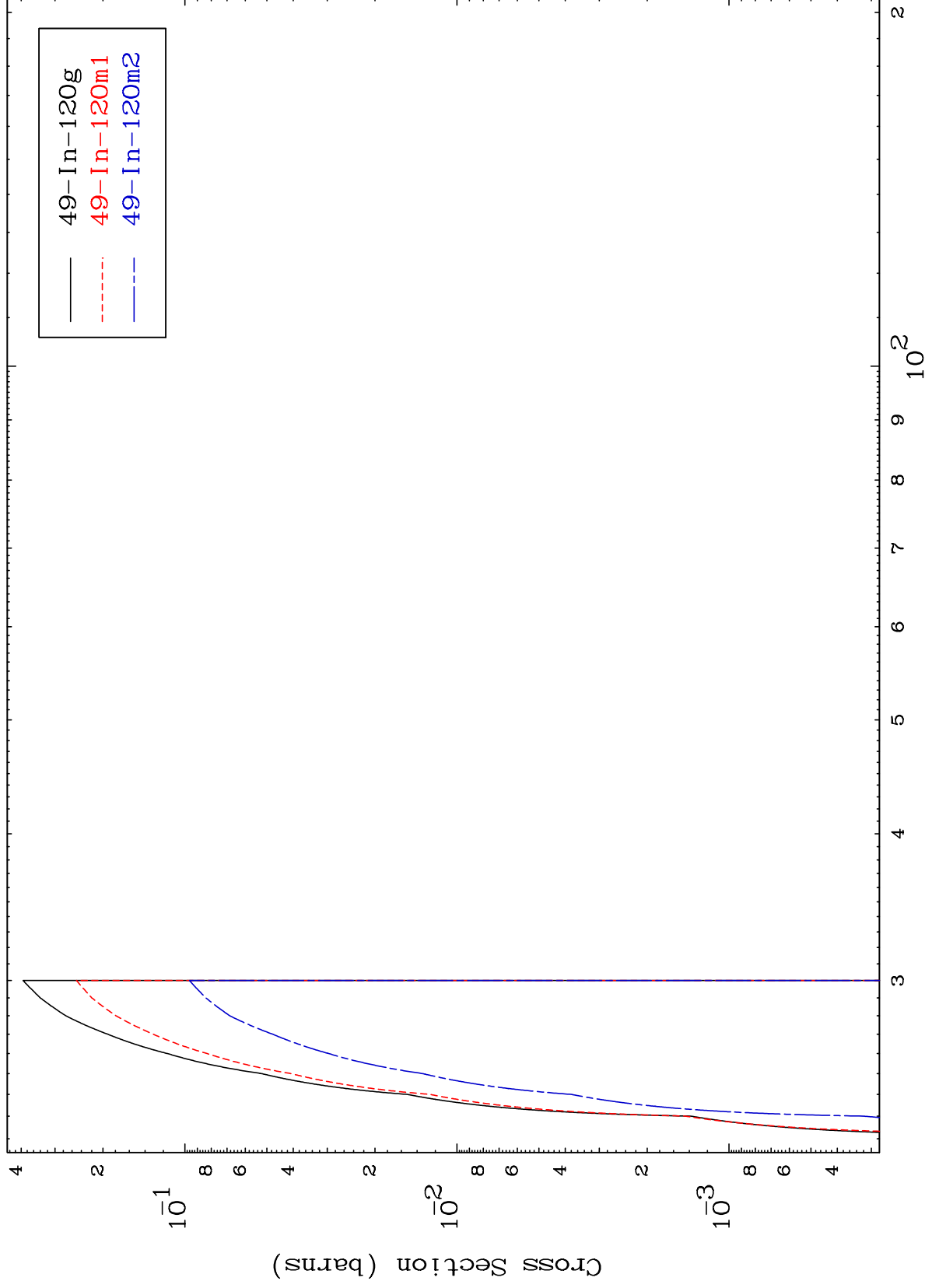
49-In-123

MAT 4955

(n,4n)

49-In-123

Radionuclide Production Cross Section

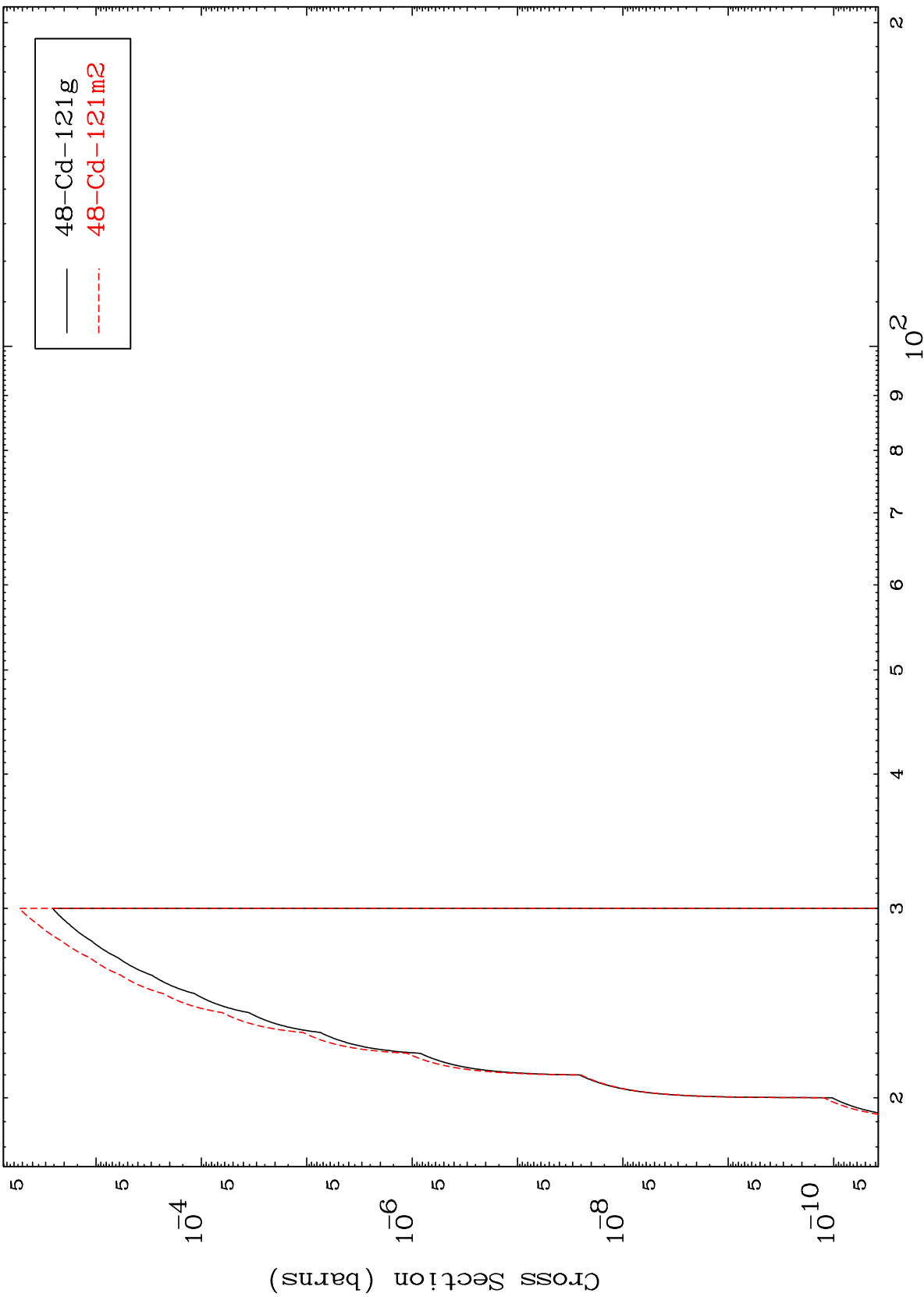


141

Incident Energy (MeV)

49-In-123

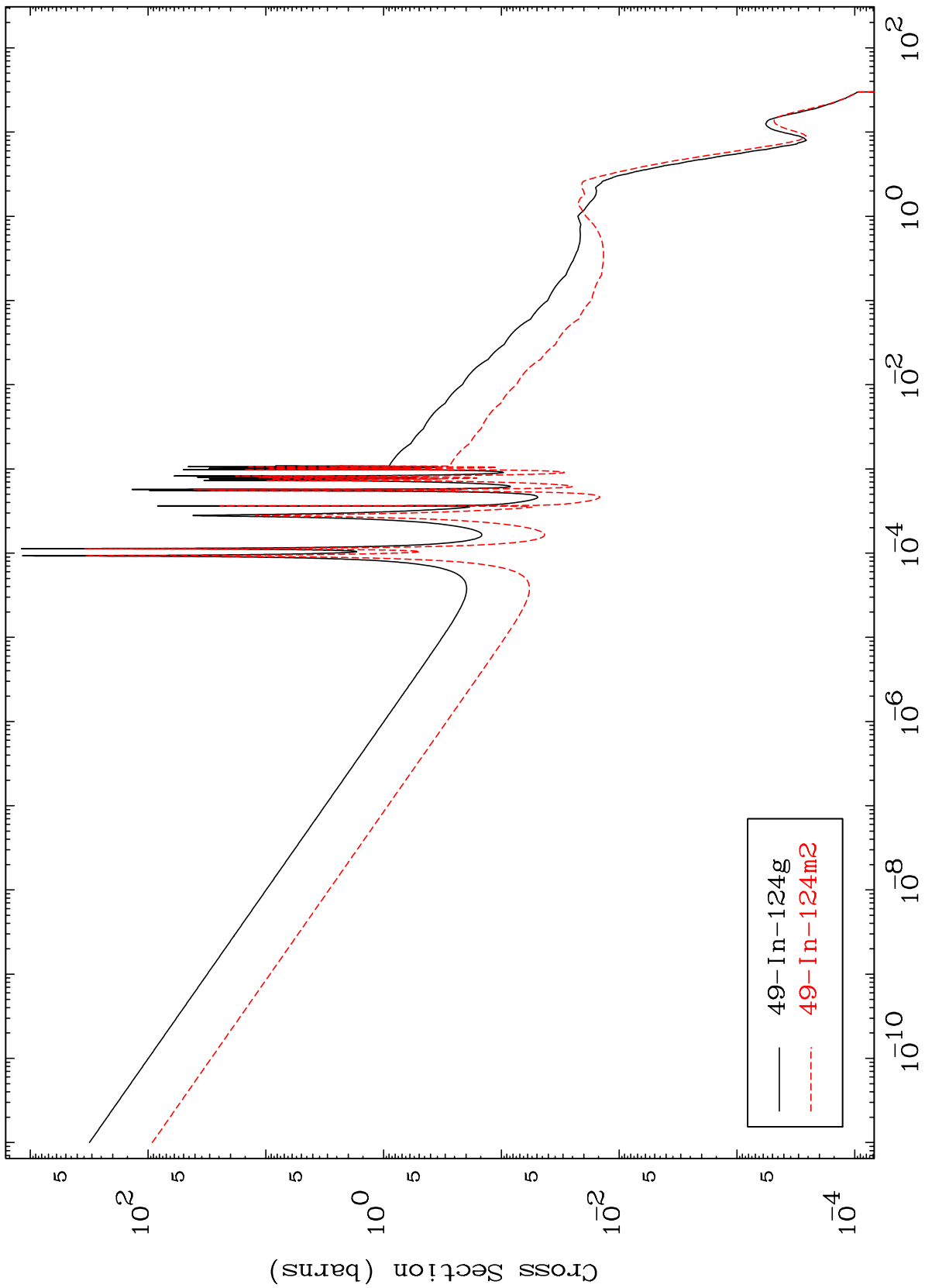
Radionuclide Production Cross Section



MAT 4955

49-In-123

(n, γ)
Radionuclide Production Cross Section

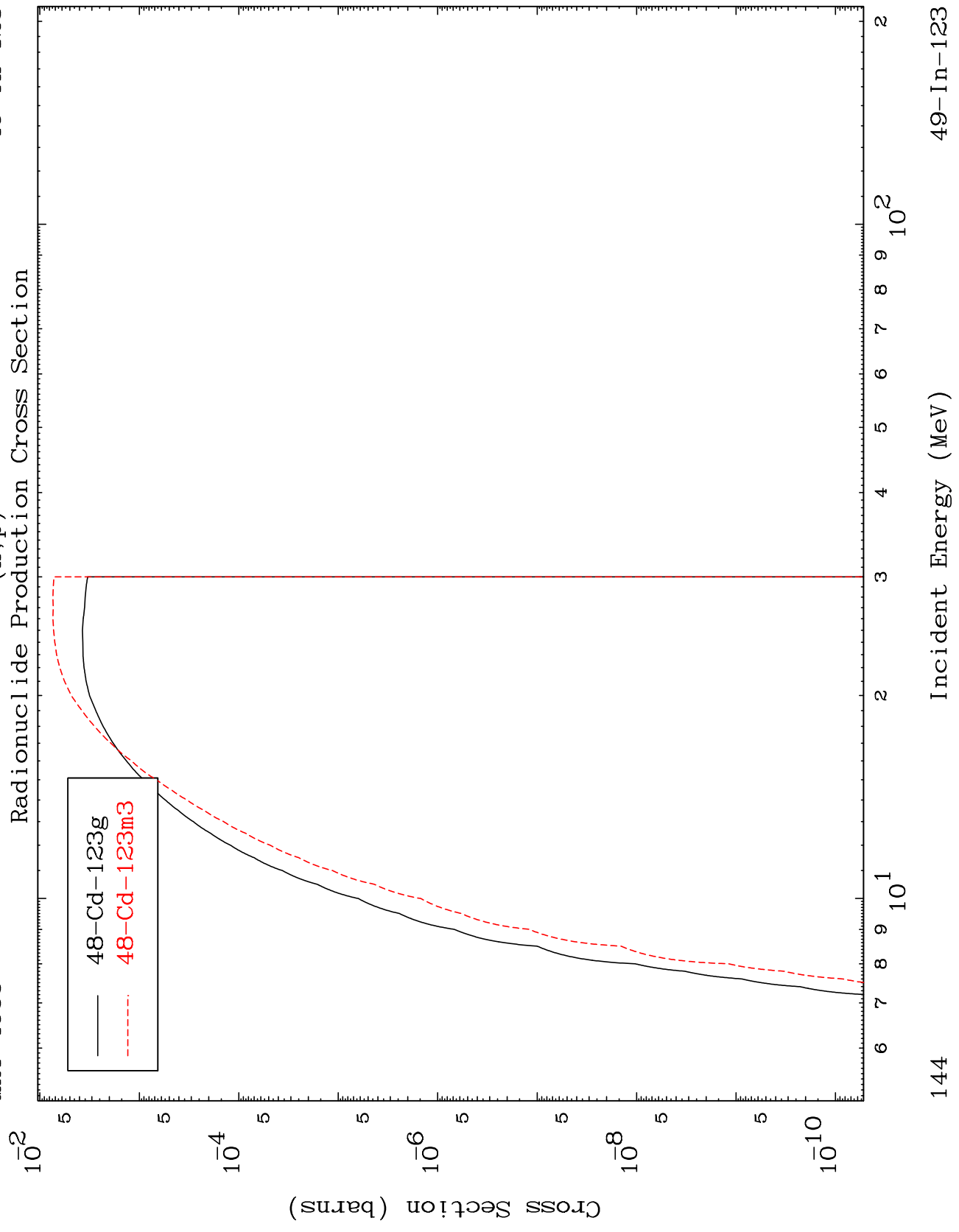


143

49-In-123

MAT 4955

49-In-123



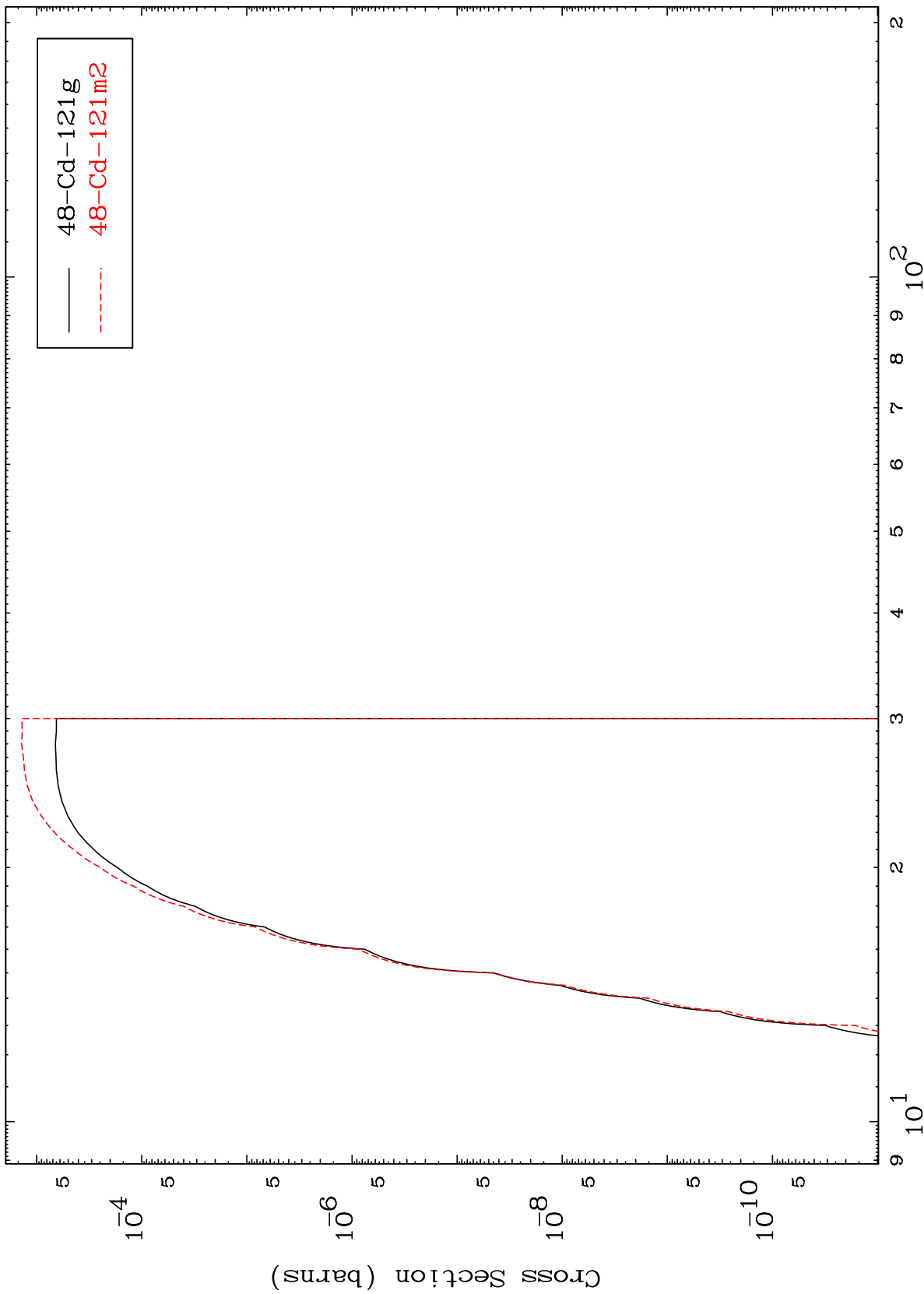
144

49-In-123

MAT 4955

49-In-123

(n,t)
Radionuclide Production Cross Section



49-In-123

Incident Energy (MeV)

145

Radionuclide Production Cross Section

