

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

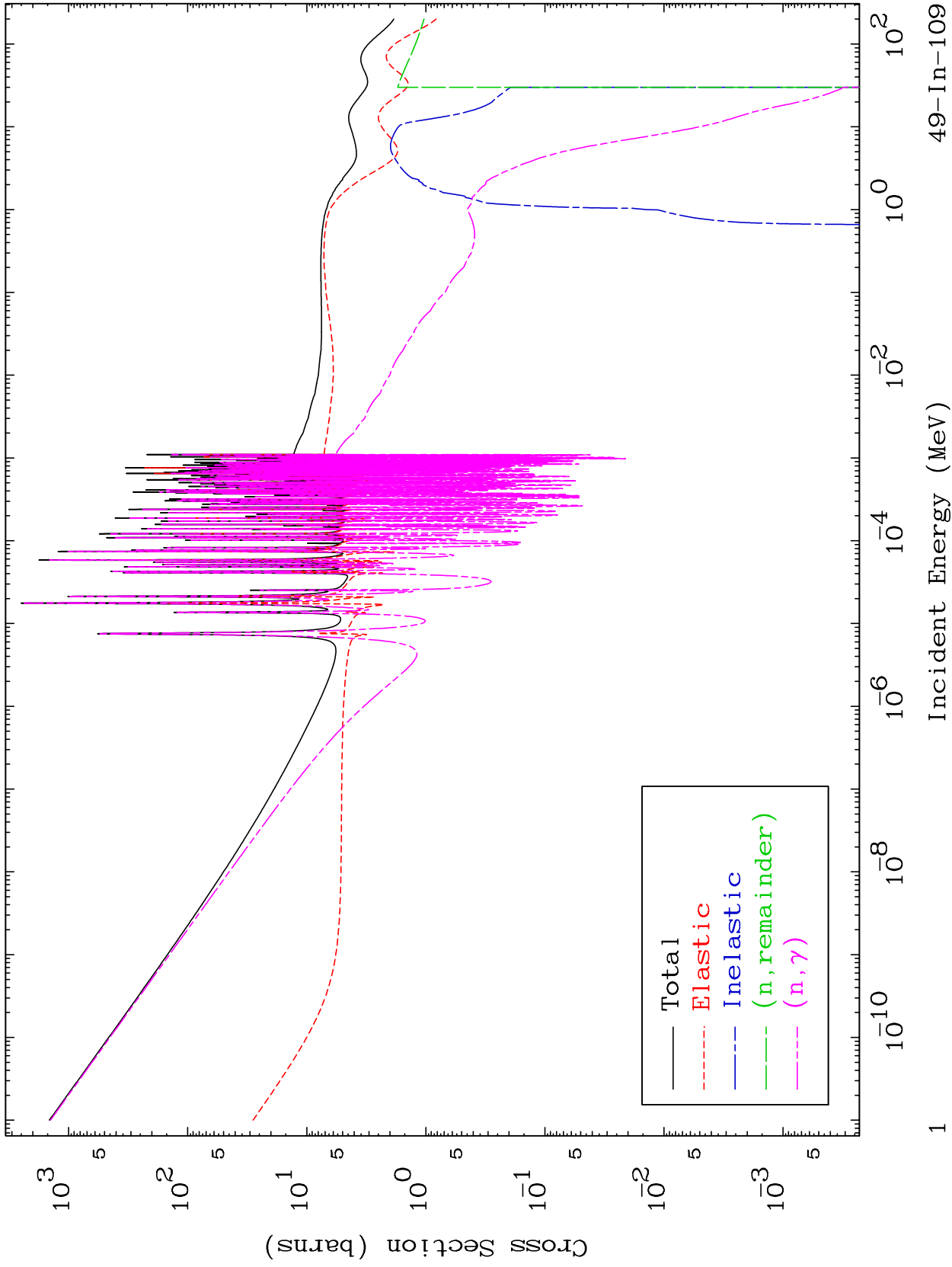
Press Mouse Button to Start

MAT 4913

Major

293 Kelvin Cross Sections

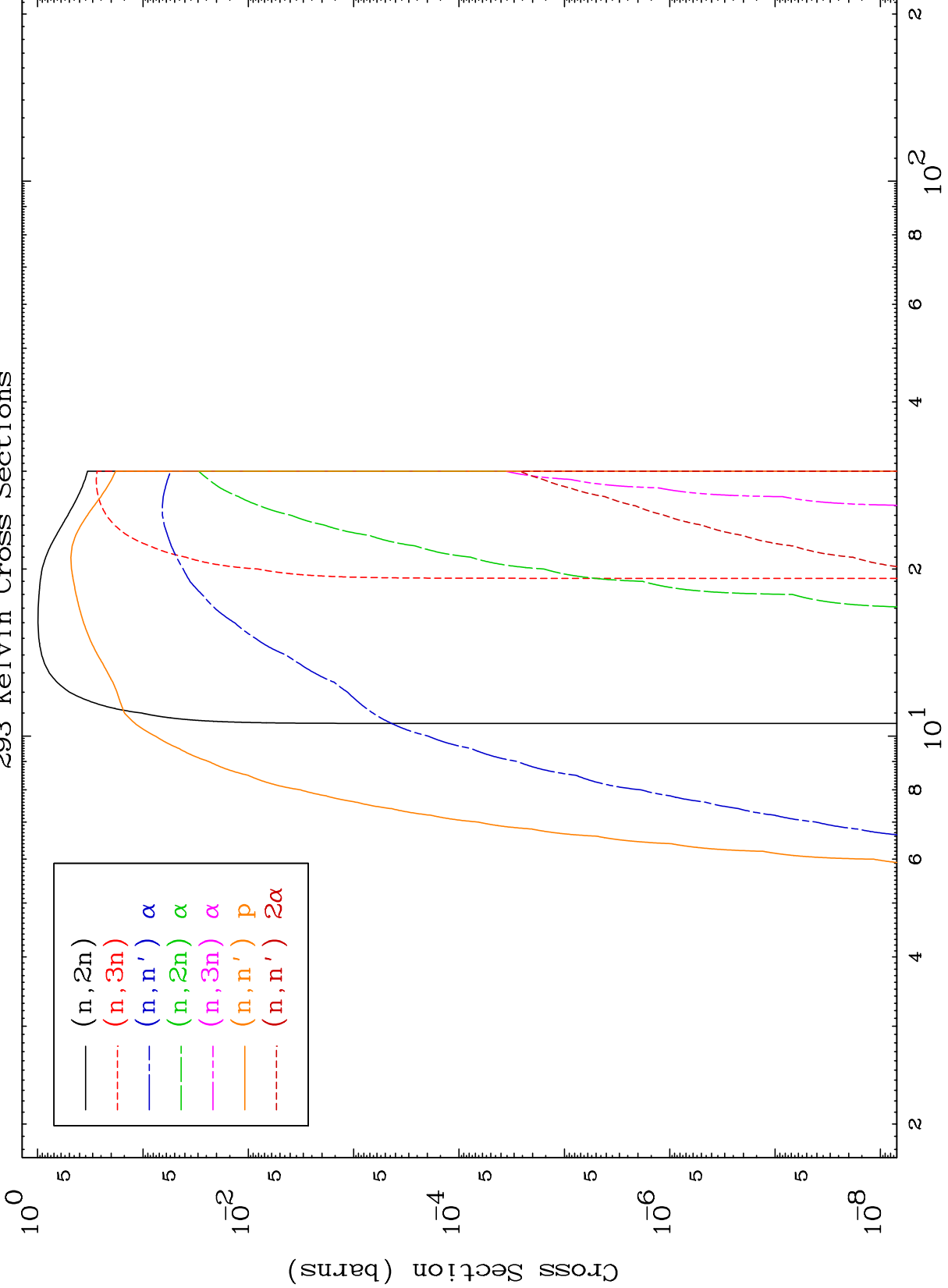
49-In-109



MAT 4913

Neutron Production
293 Kelvin Cross Sections

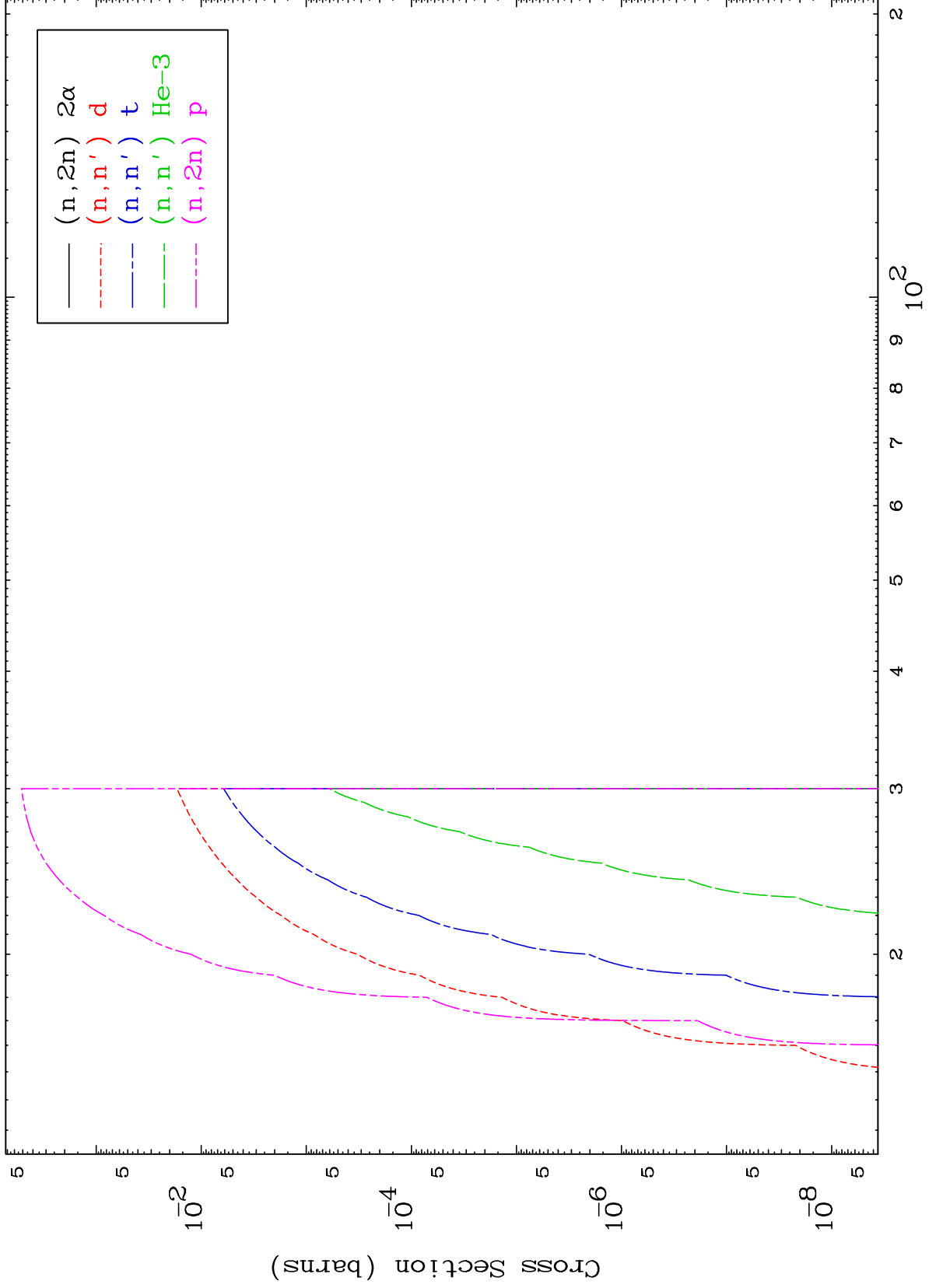
49-In-109



49-In-109

Incident Energy (MeV)

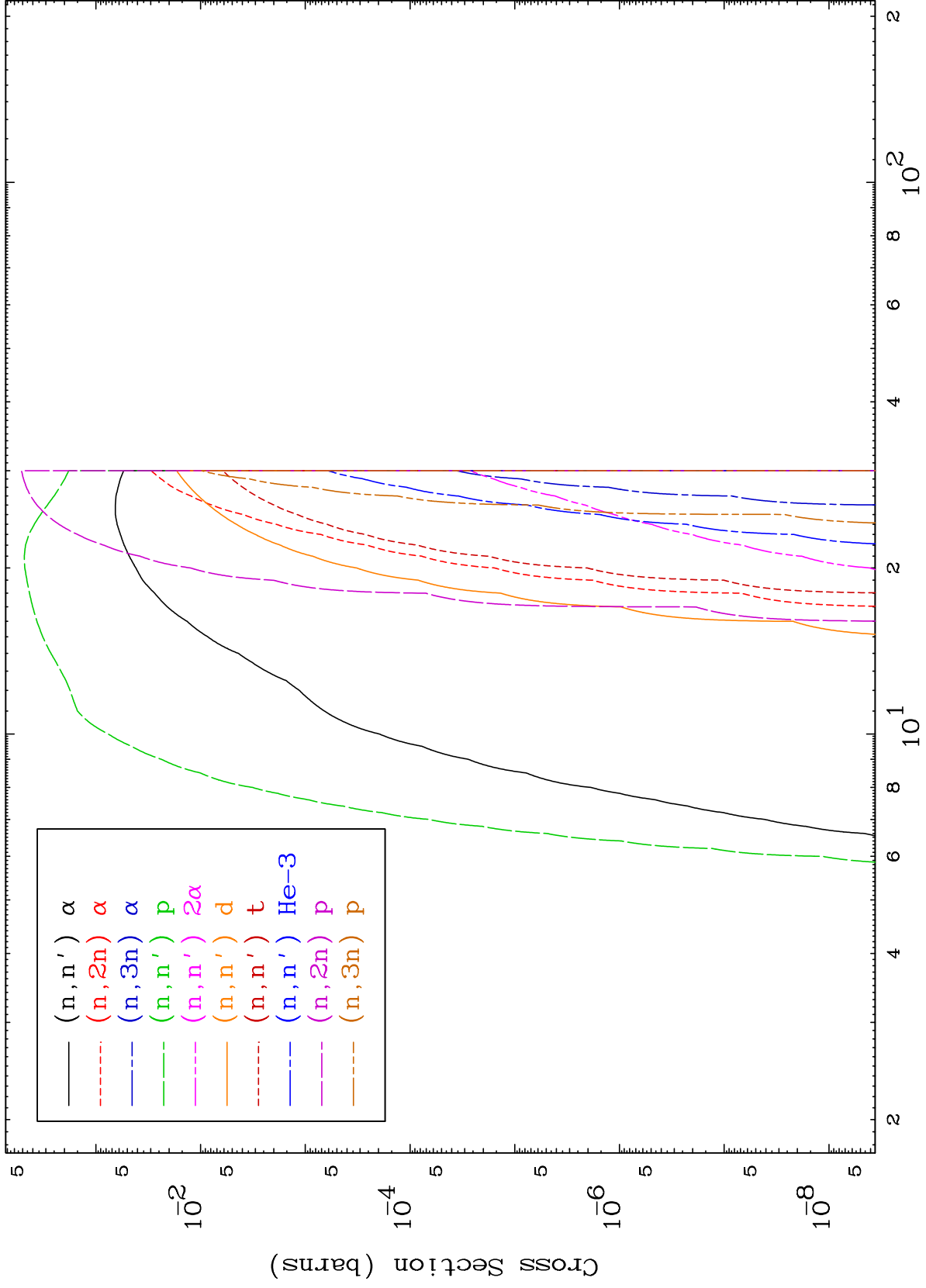
2



MAT 4913

Charged Particle
293 Kelvin Cross Sections

49-In-109



4

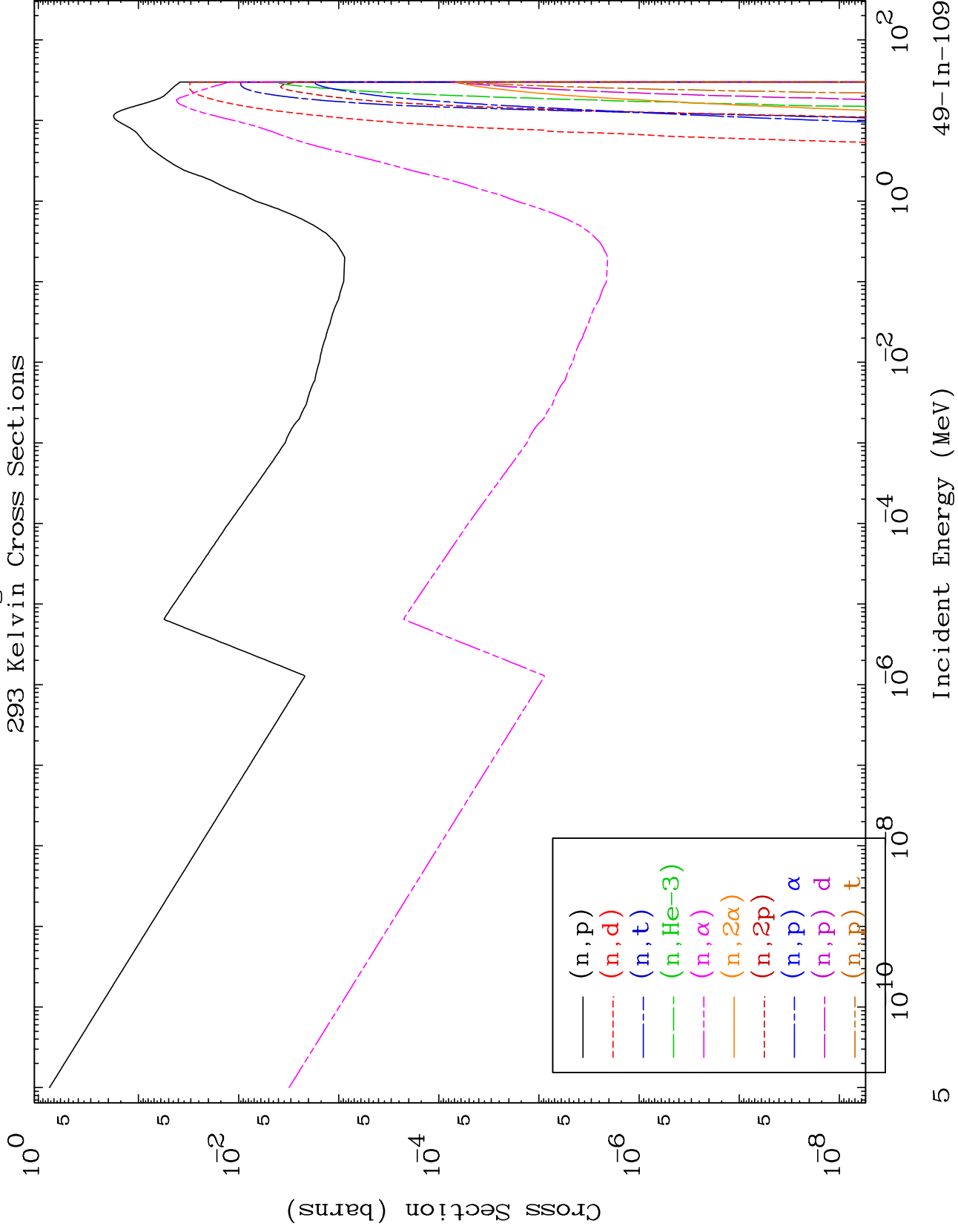
Incident Energy (MeV)

49-In-109

MAT 4913

Charged Particle
293 Kelvin Cross Sections

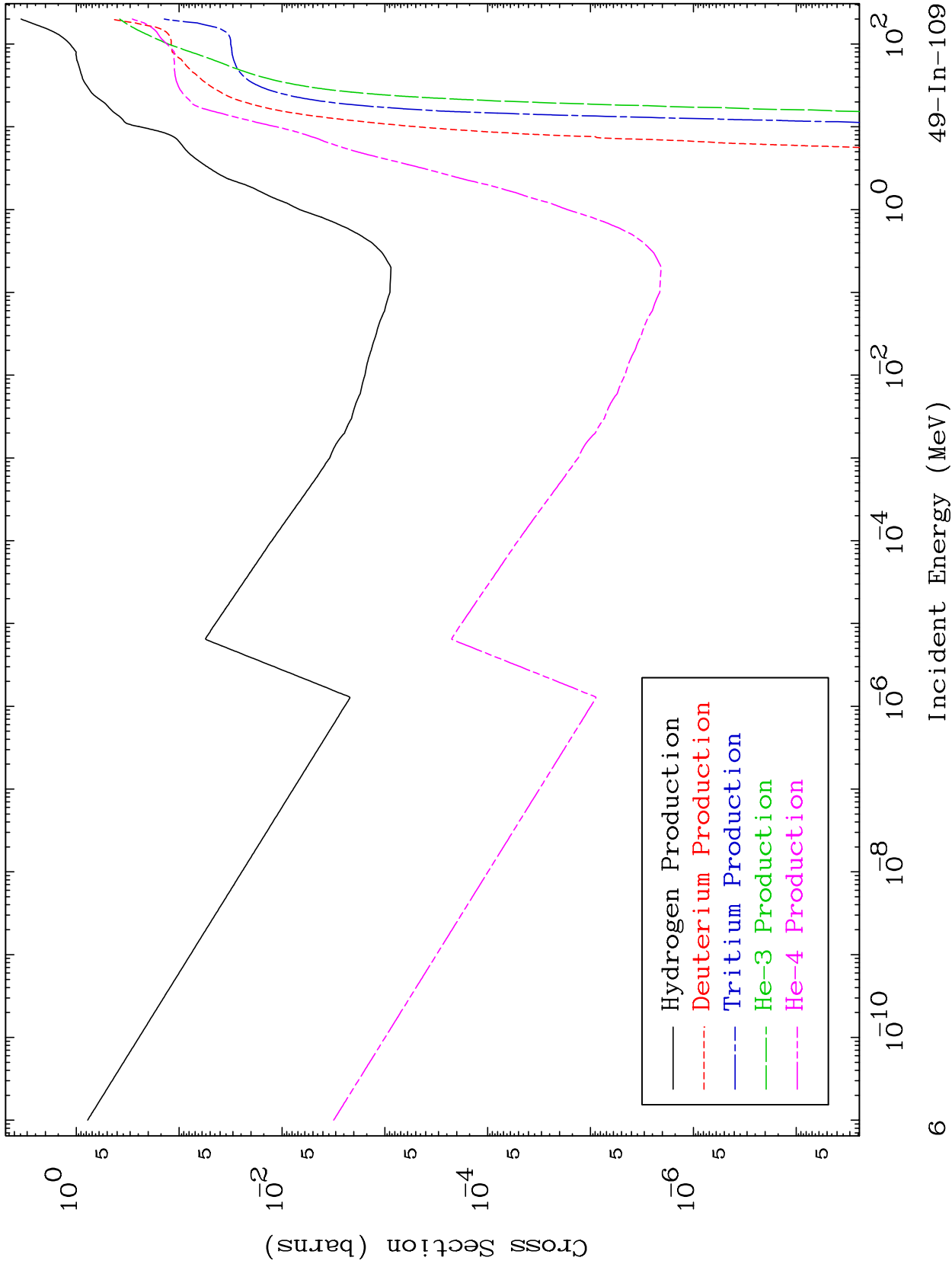
49-In-109



MAT 4913

Particle Production
293 Kelvin Cross Sections

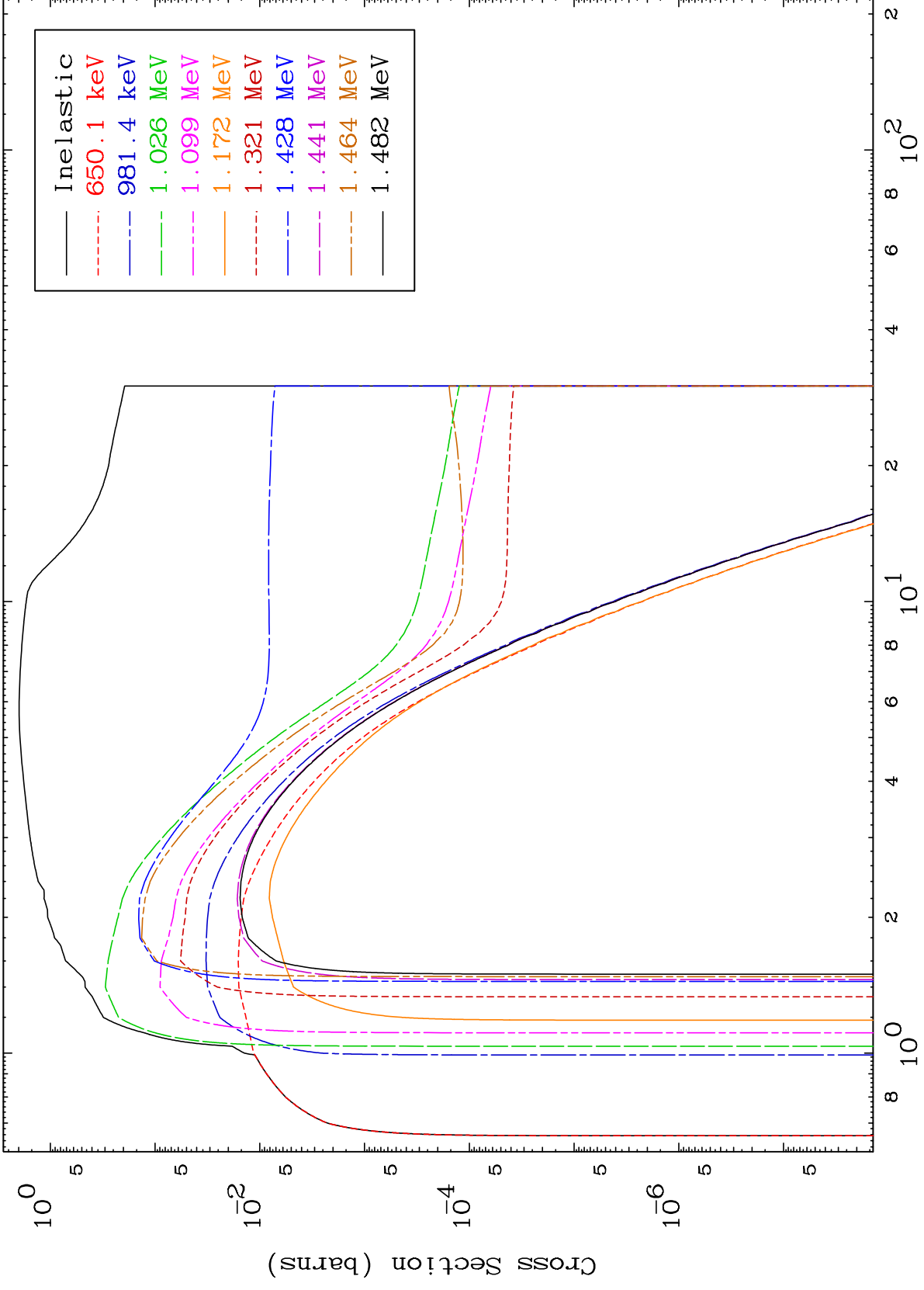
49-In-109



MAT 4913

(n,n') Level
293 Kelvin Cross Sections

49-In-109



7

Incident Energy (MeV)

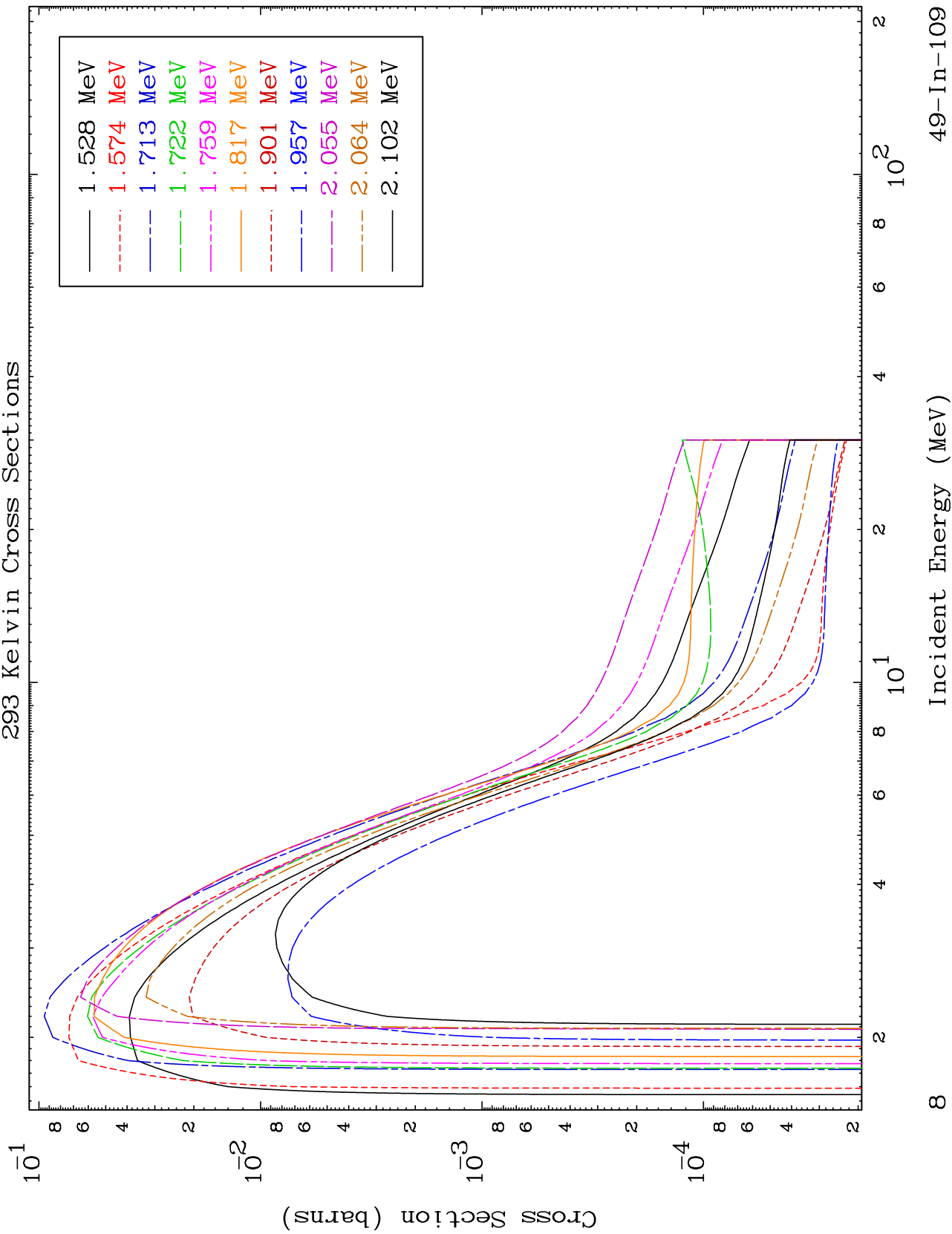
49-In-109

MAT 4913

(n,n') Level

49-In-109

293 Kelvin Cross Sections



8

Incident Energy (MeV)

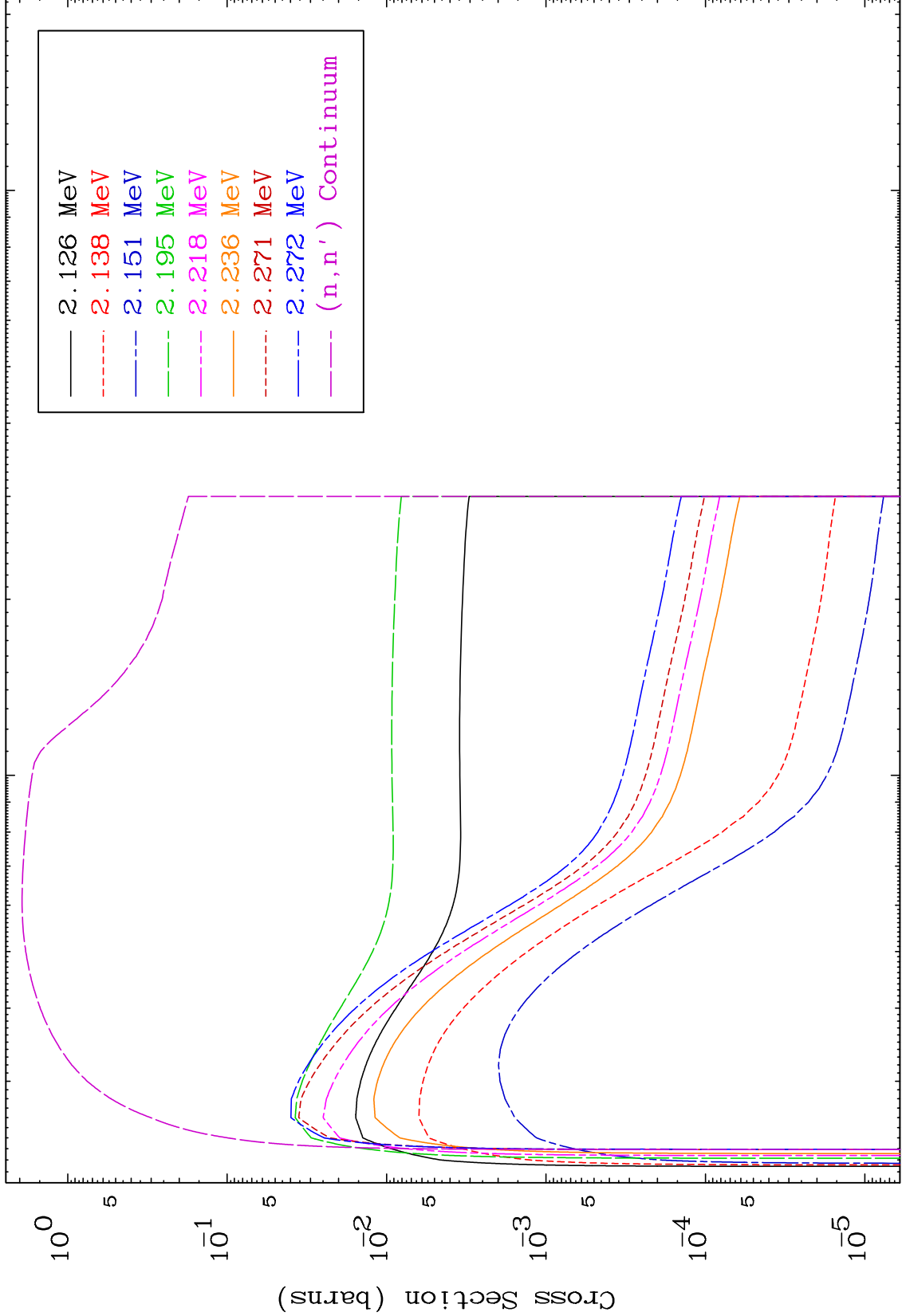
49-In-109

MAT 4913

(n,n') Level

49-In-109

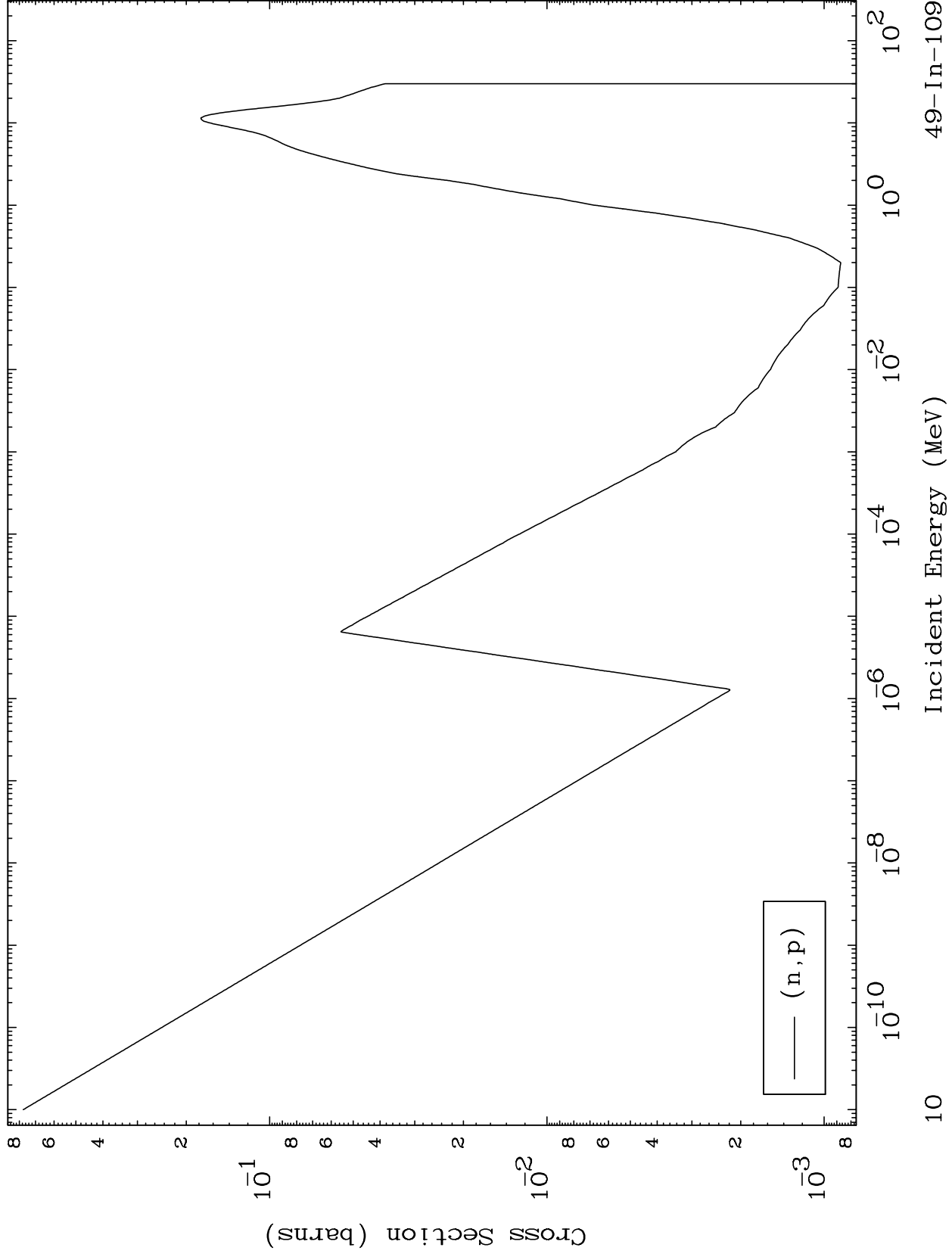
293 Kelvin Cross Sections



MAT 4913

(n,p) Levels
293 Kelvin Cross Sections

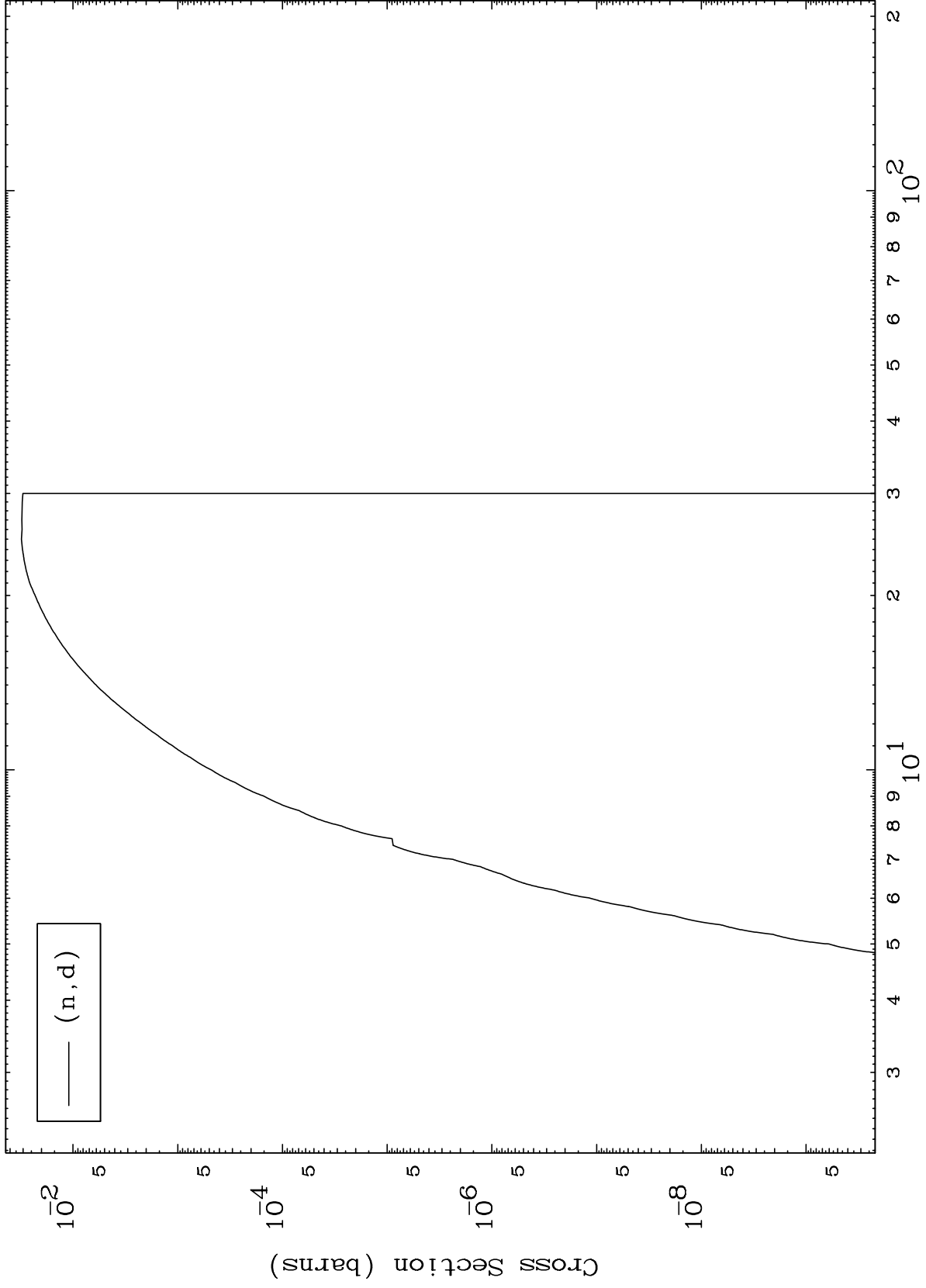
49-In-109



MAT 4913

(n,d) Levels
293 Kelvin Cross Sections

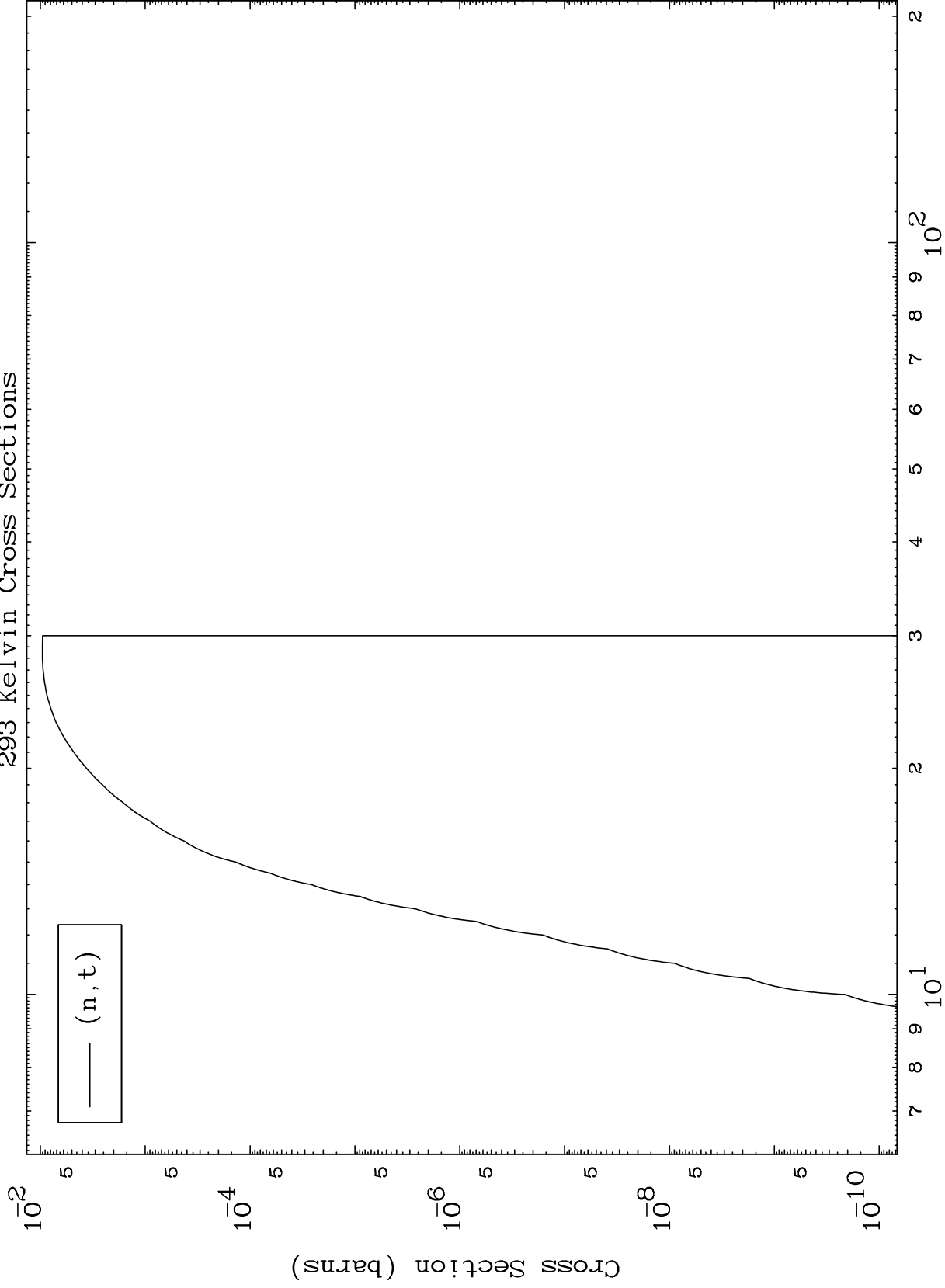
49-In-109



MAT 4913

(n,t) Levels
293 Kelvin Cross Sections

49-In-109



12

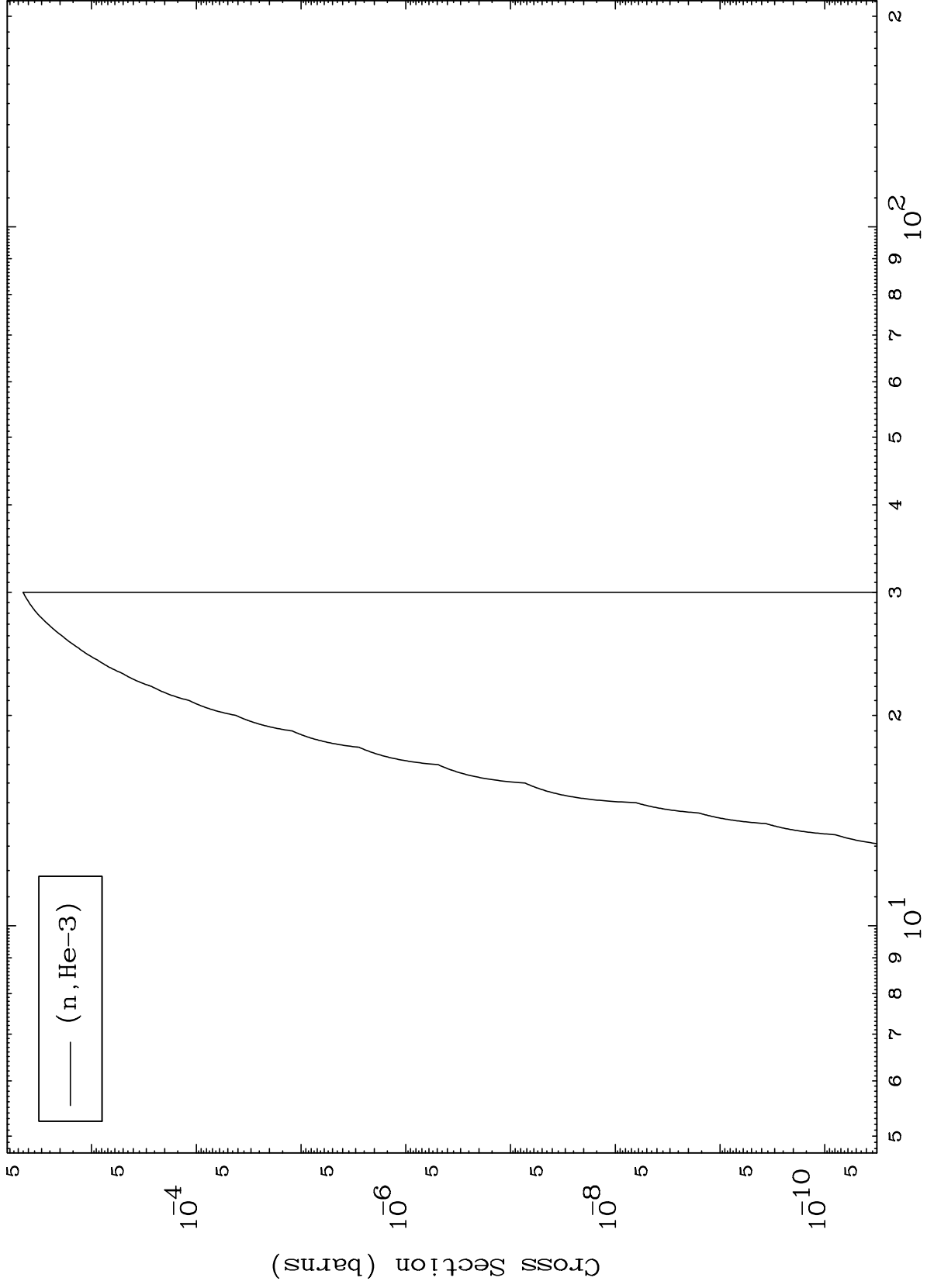
Incident Energy (MeV)

49-In-109

MAT 4913

(n,He3) Levels
293 Kelvin Cross Sections

49-In-109



13

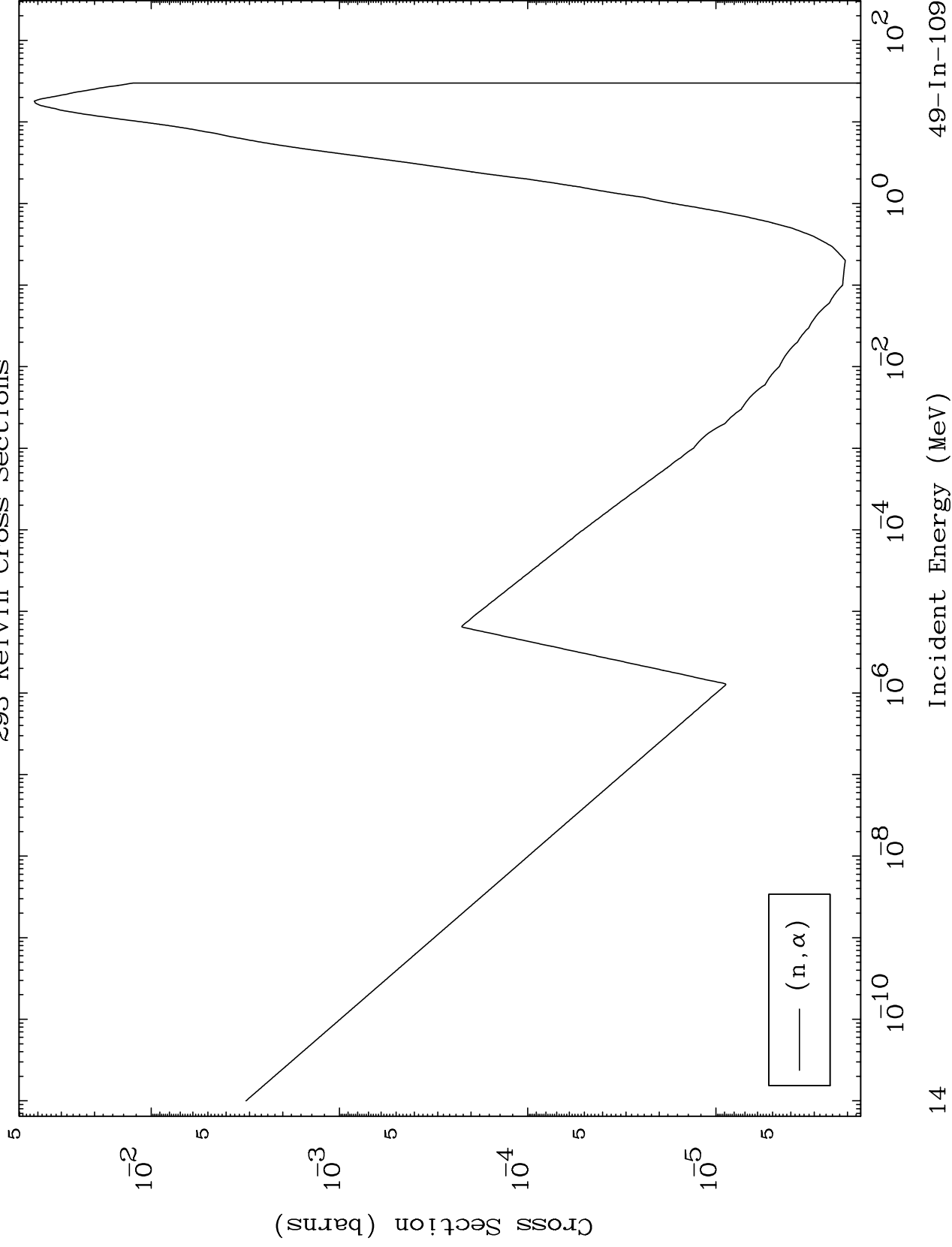
Incident Energy (MeV)

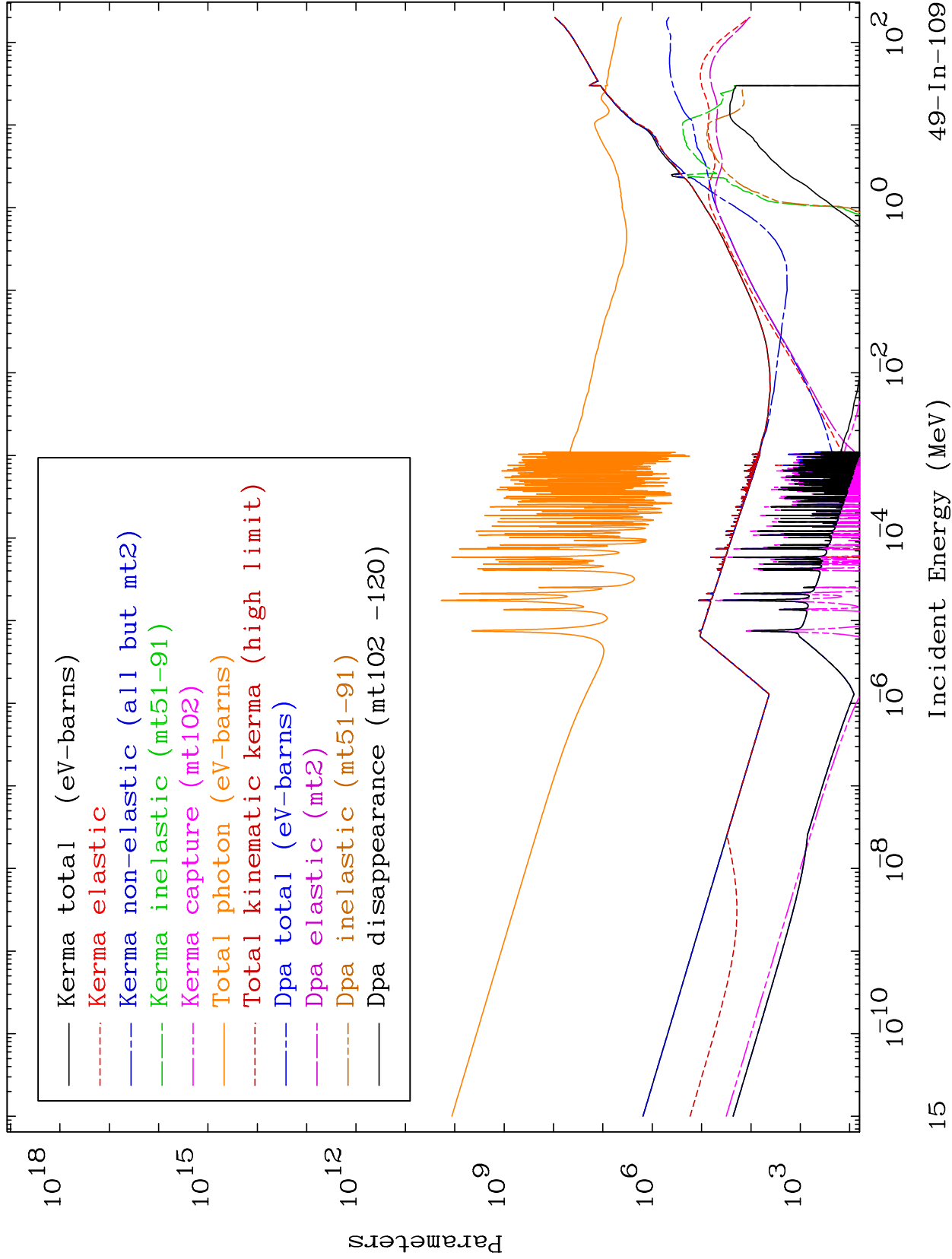
49-In-109

MAT 4913

(n,α) Levels
293 Kelvin Cross Sections

49-In-109

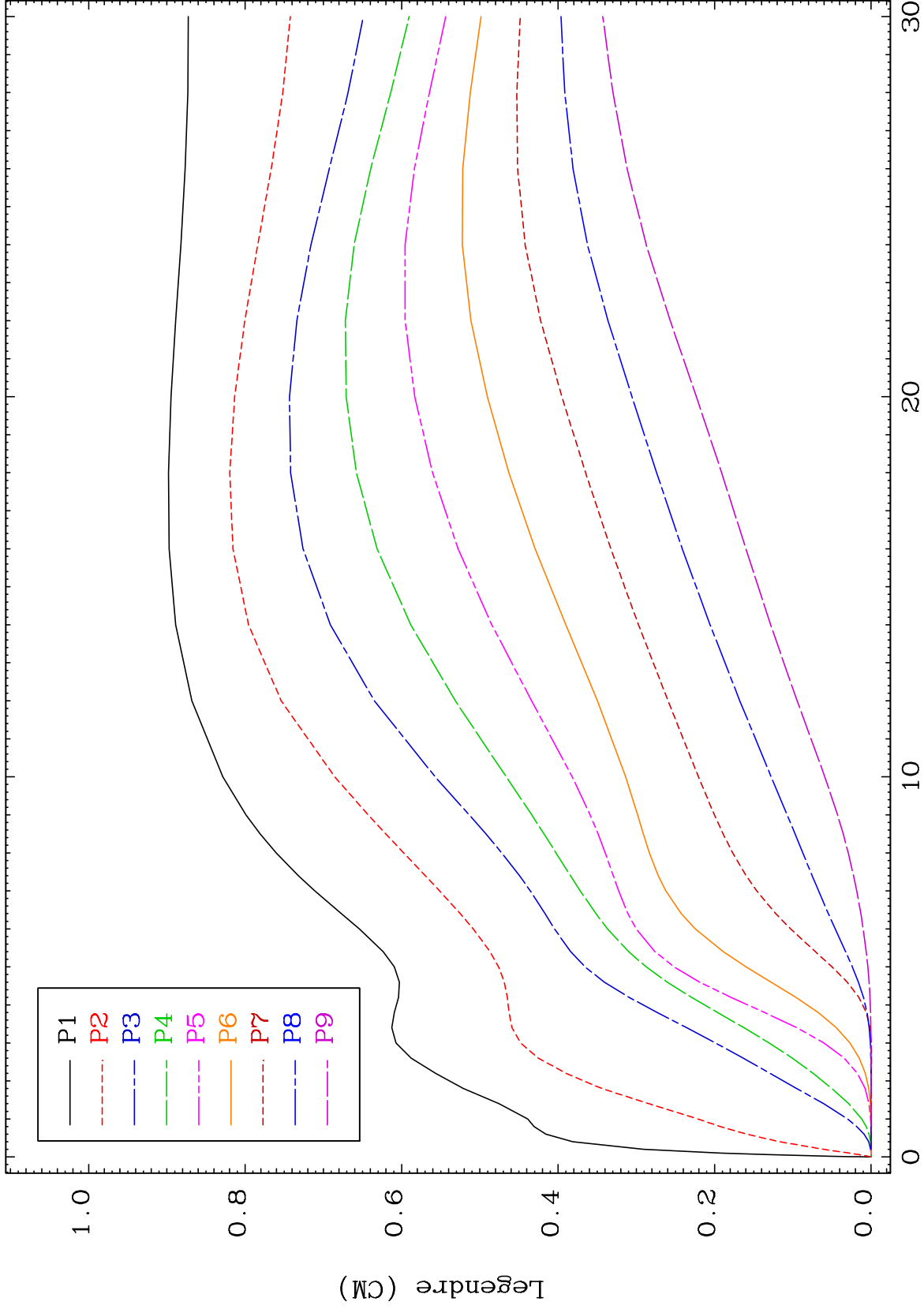




MAT 4913

Elastic Legendre Coefficients

49-In-109



16

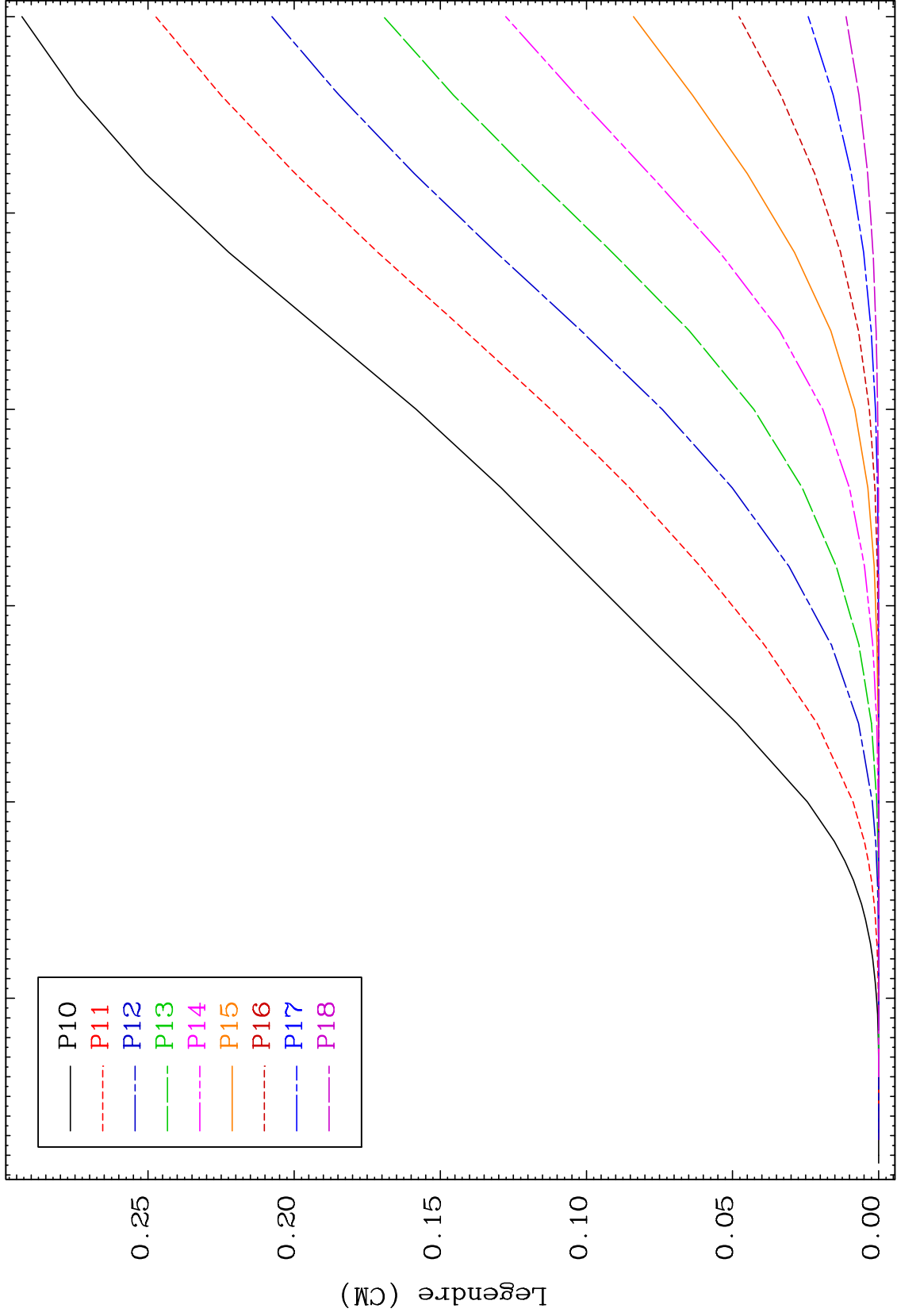
Incident Energy (MeV)

49-In-109

MAT 4913

Elastic Legendre Coefficients

49-In-109



17

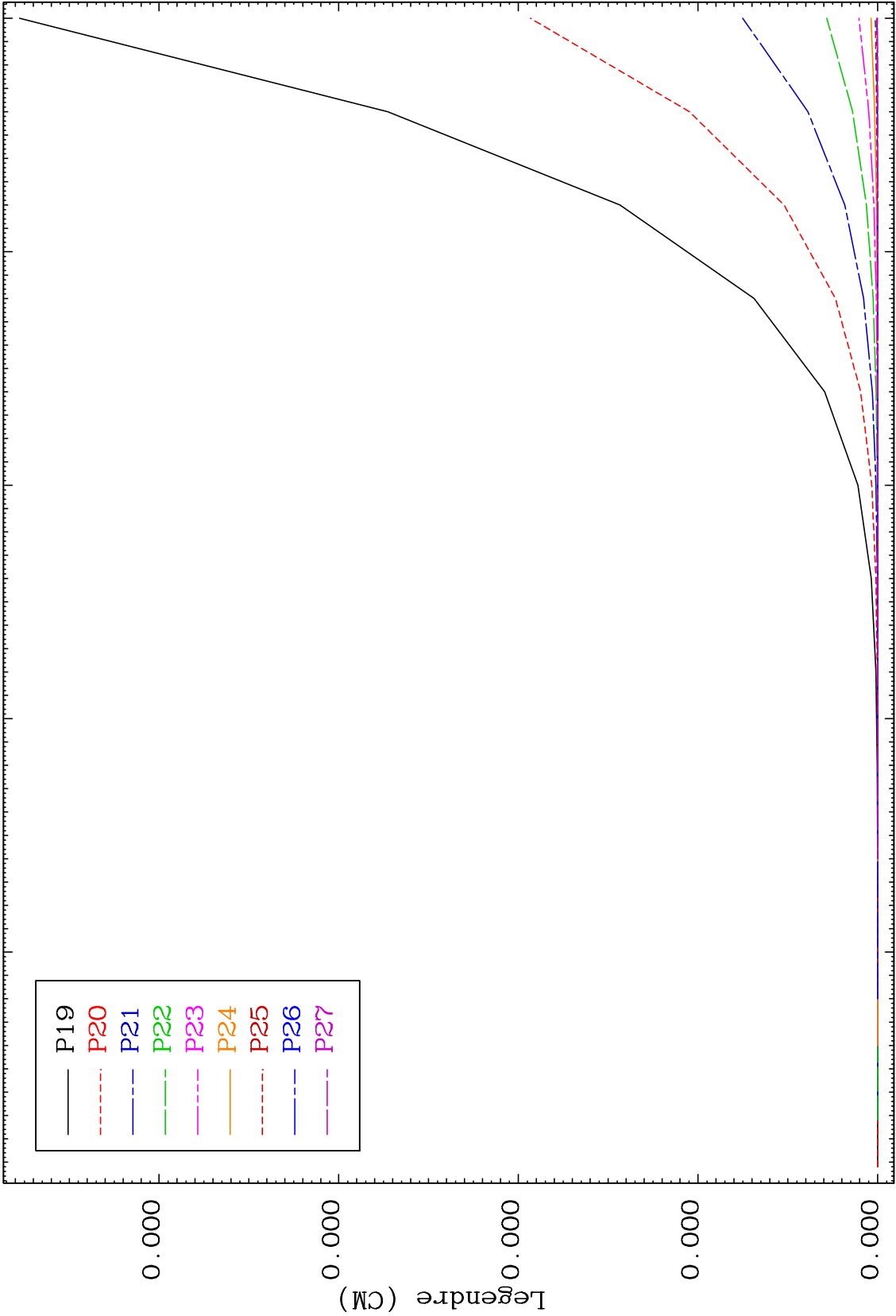
Incident Energy (MeV)

49-In-109

MAT 4913

Elastic Legendre Coefficients

49-In-109



18

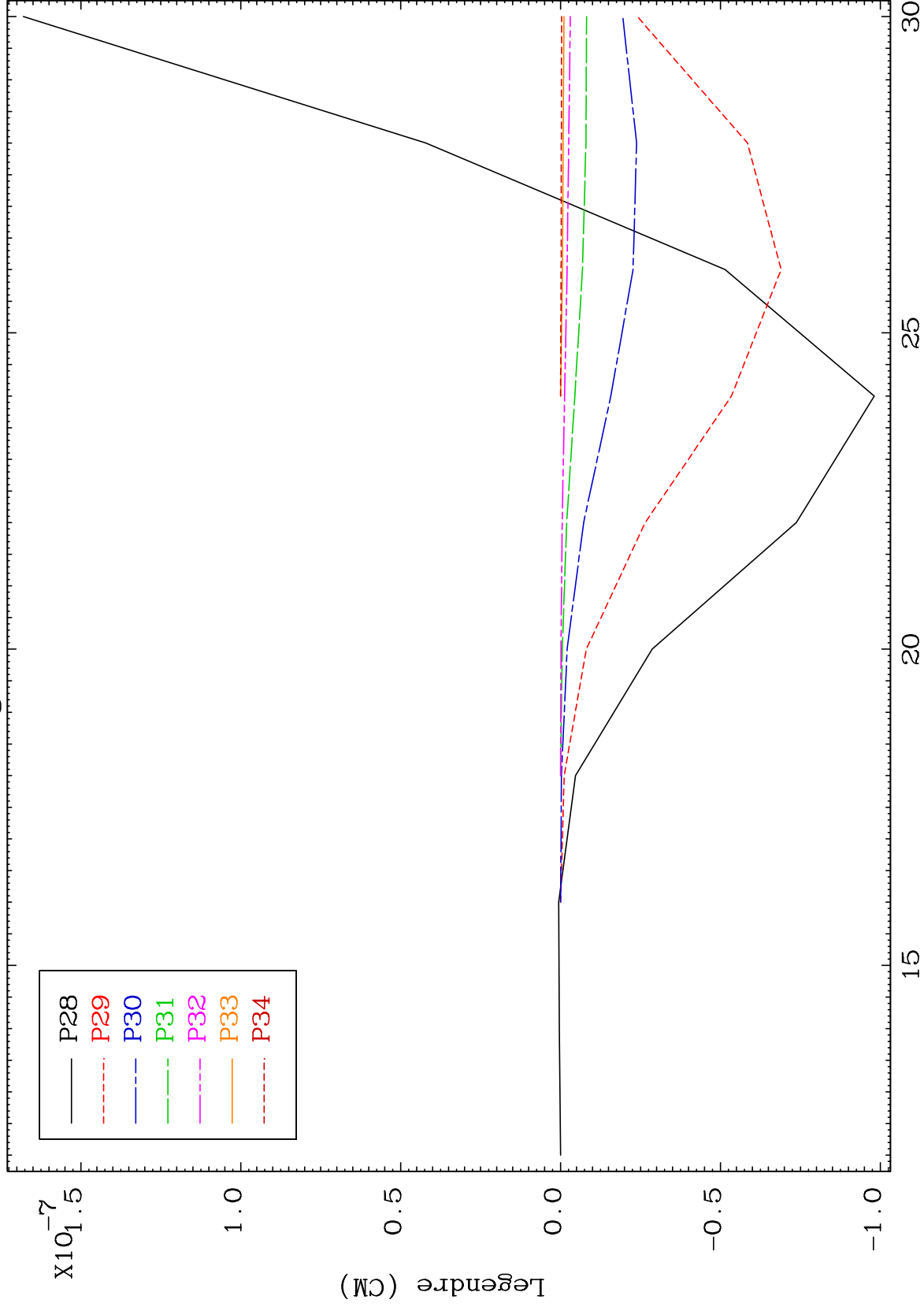
Incident Energy (MeV)

49-In-109

MAT 4913

Elastic
Legendre Coefficients

49-In-109



19

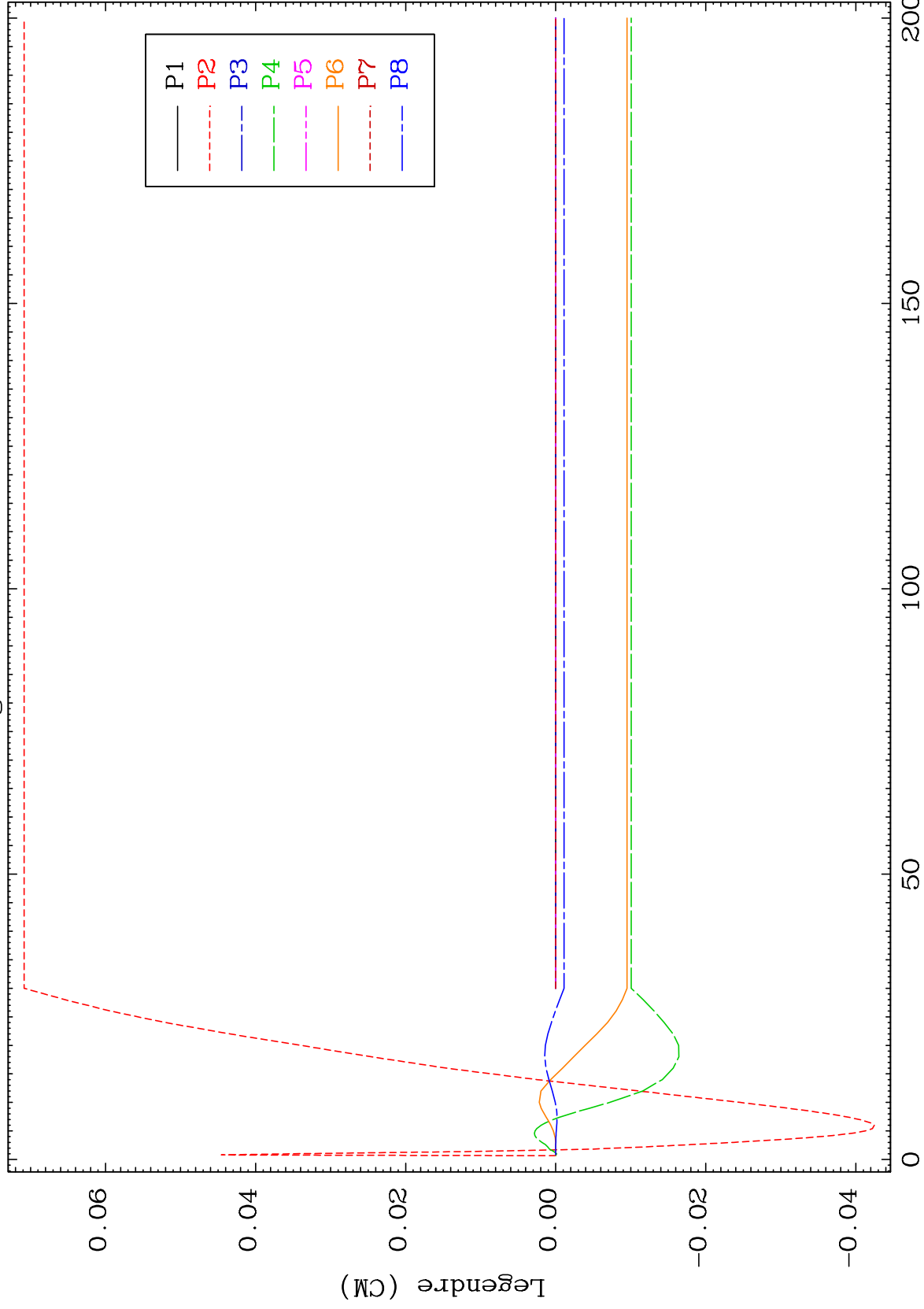
Incident Energy (MeV)

49-In-109

MAT 4913

650.1 keV (n, n') Level
Legendre Coefficients

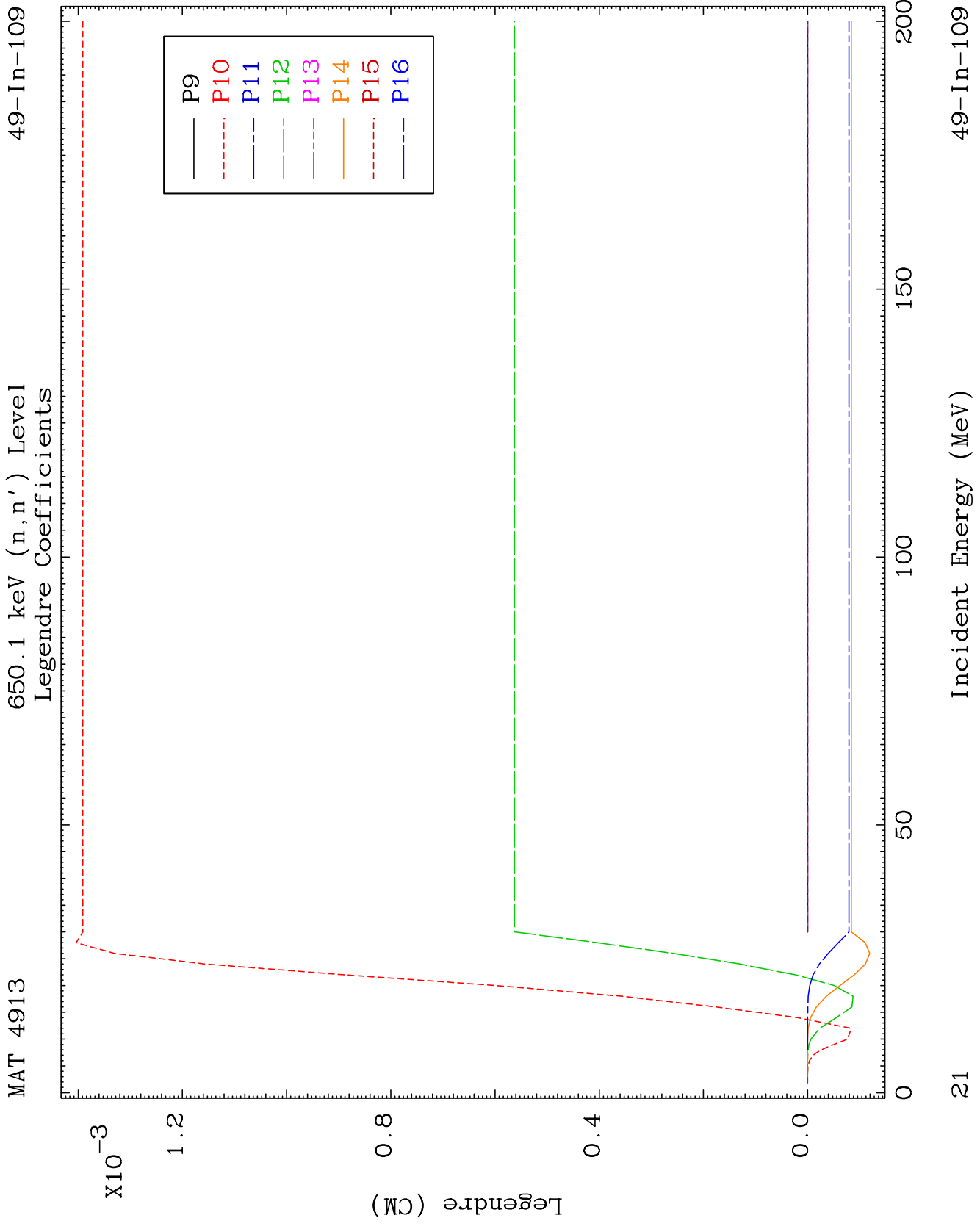
49-In-109

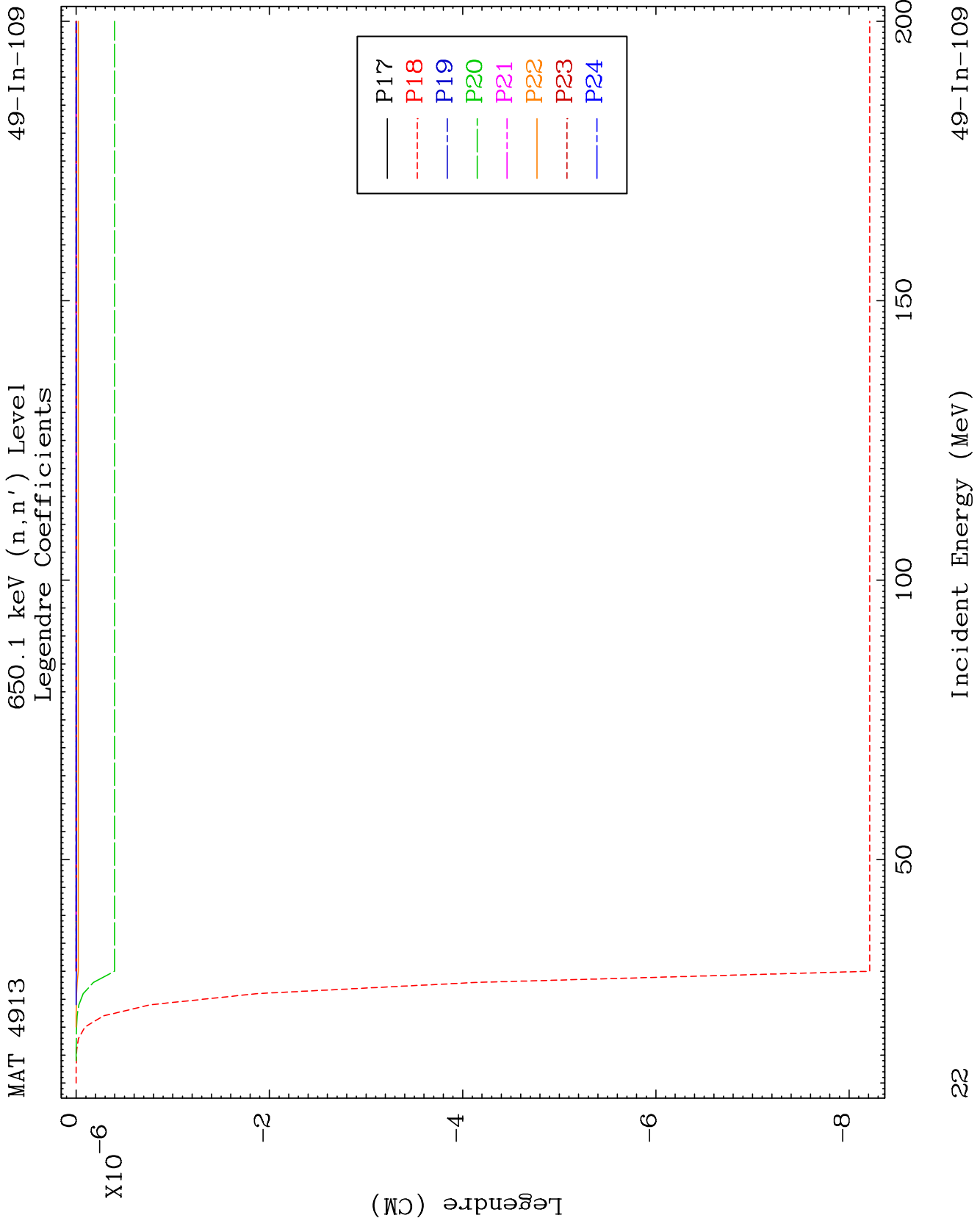


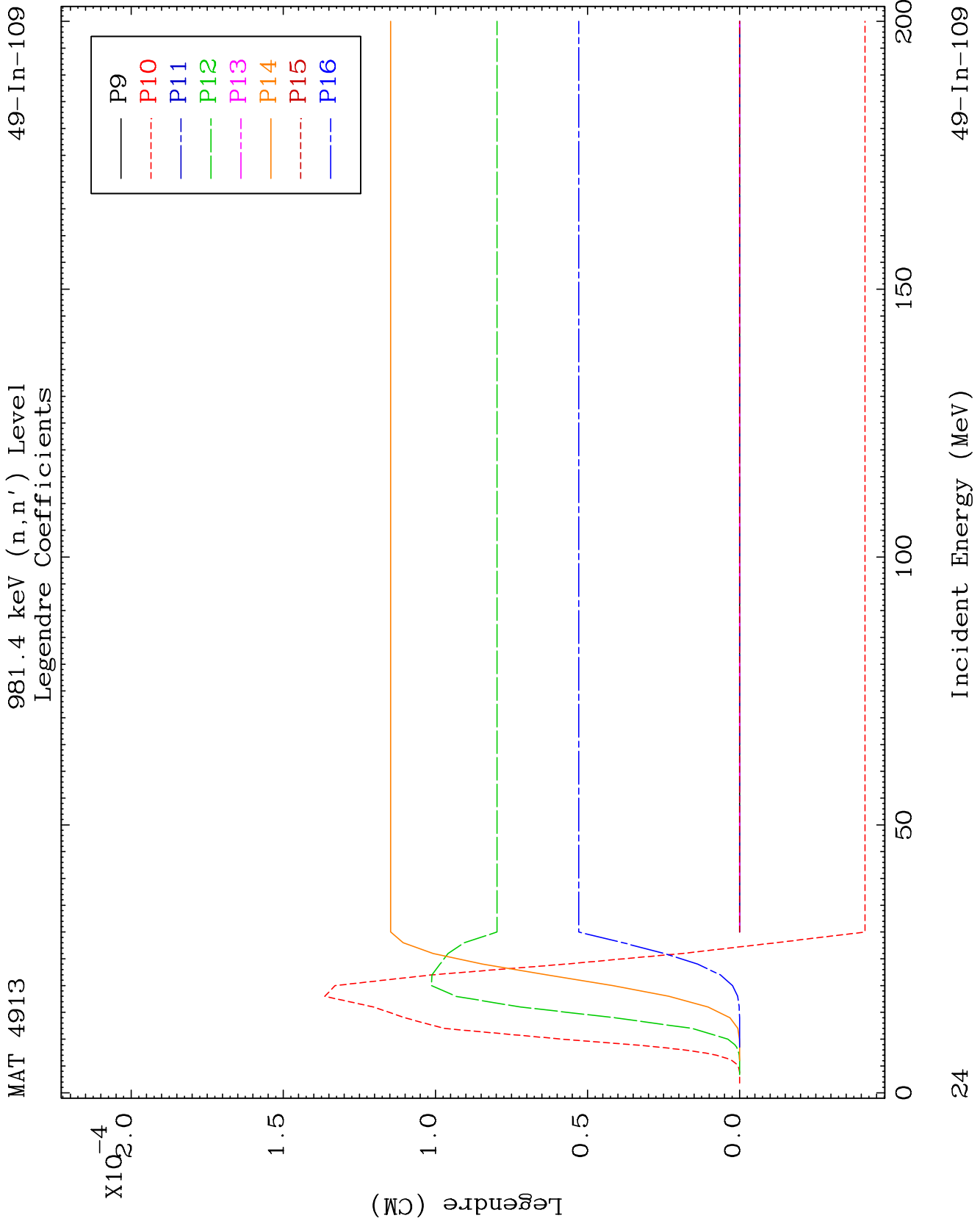
49-In-109

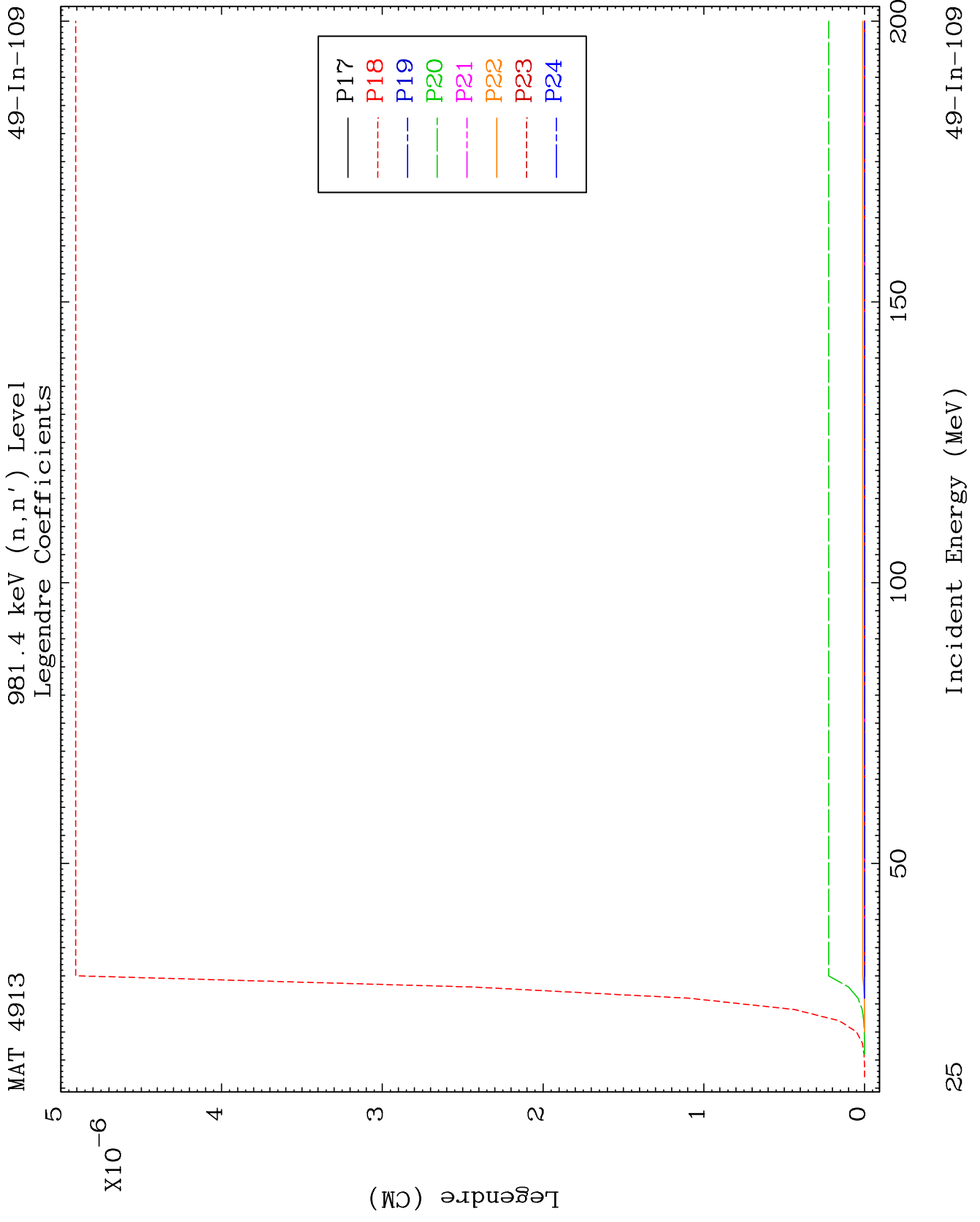
Incident Energy (MeV)

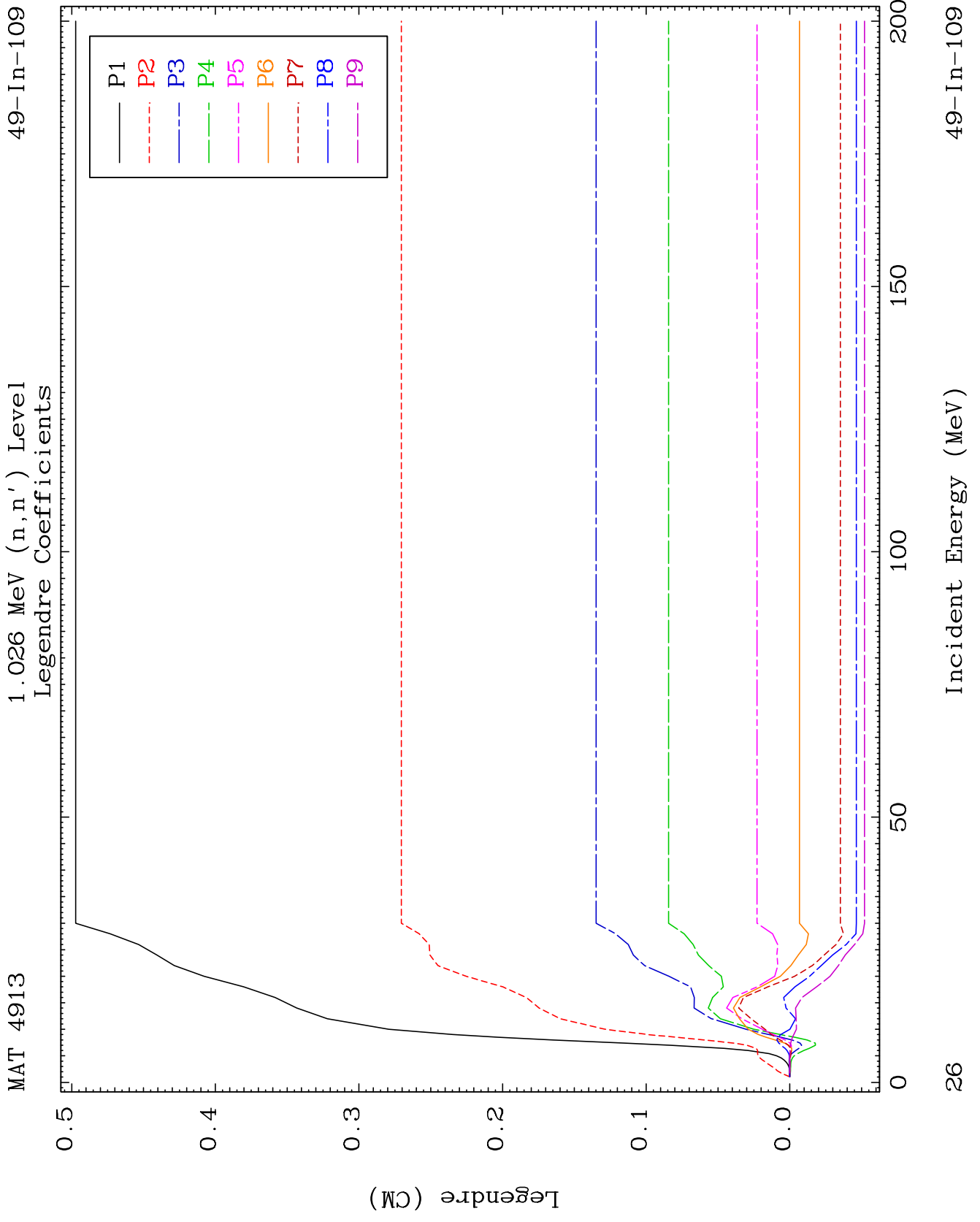
0







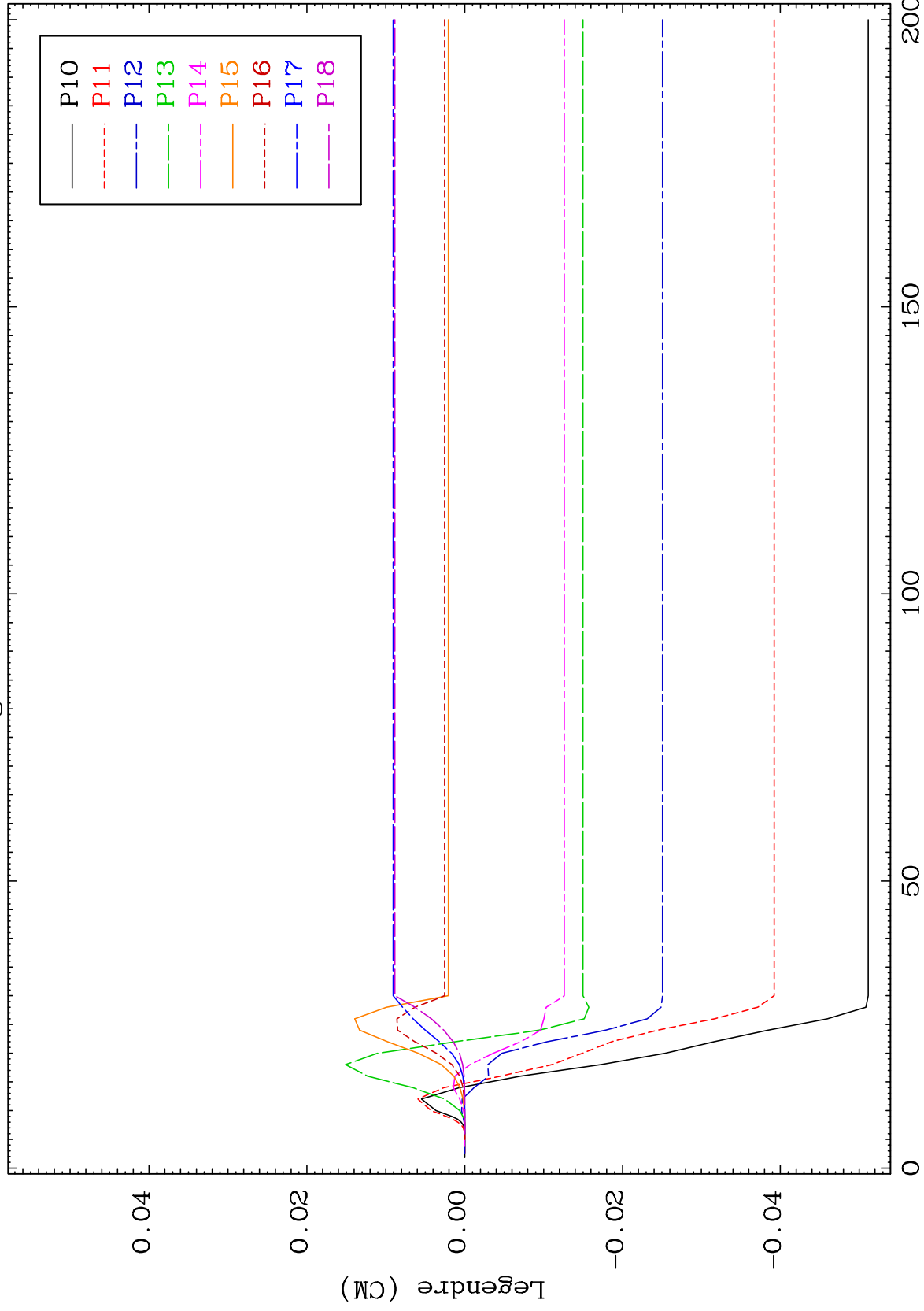




MAT 4913

1.026 MeV (n,n') Level
Legendre Coefficients

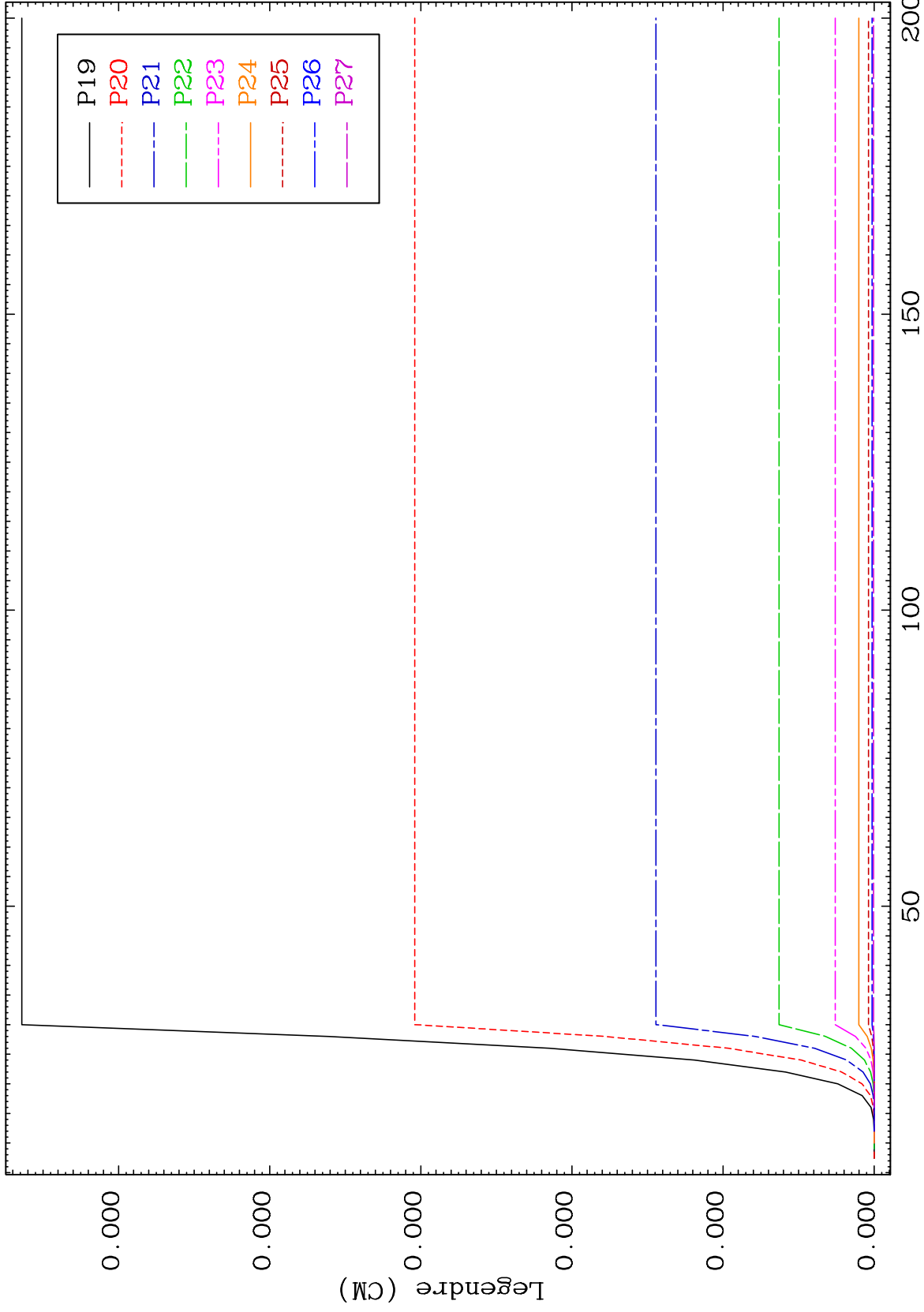
49-In-109



27

Incident Energy (MeV)

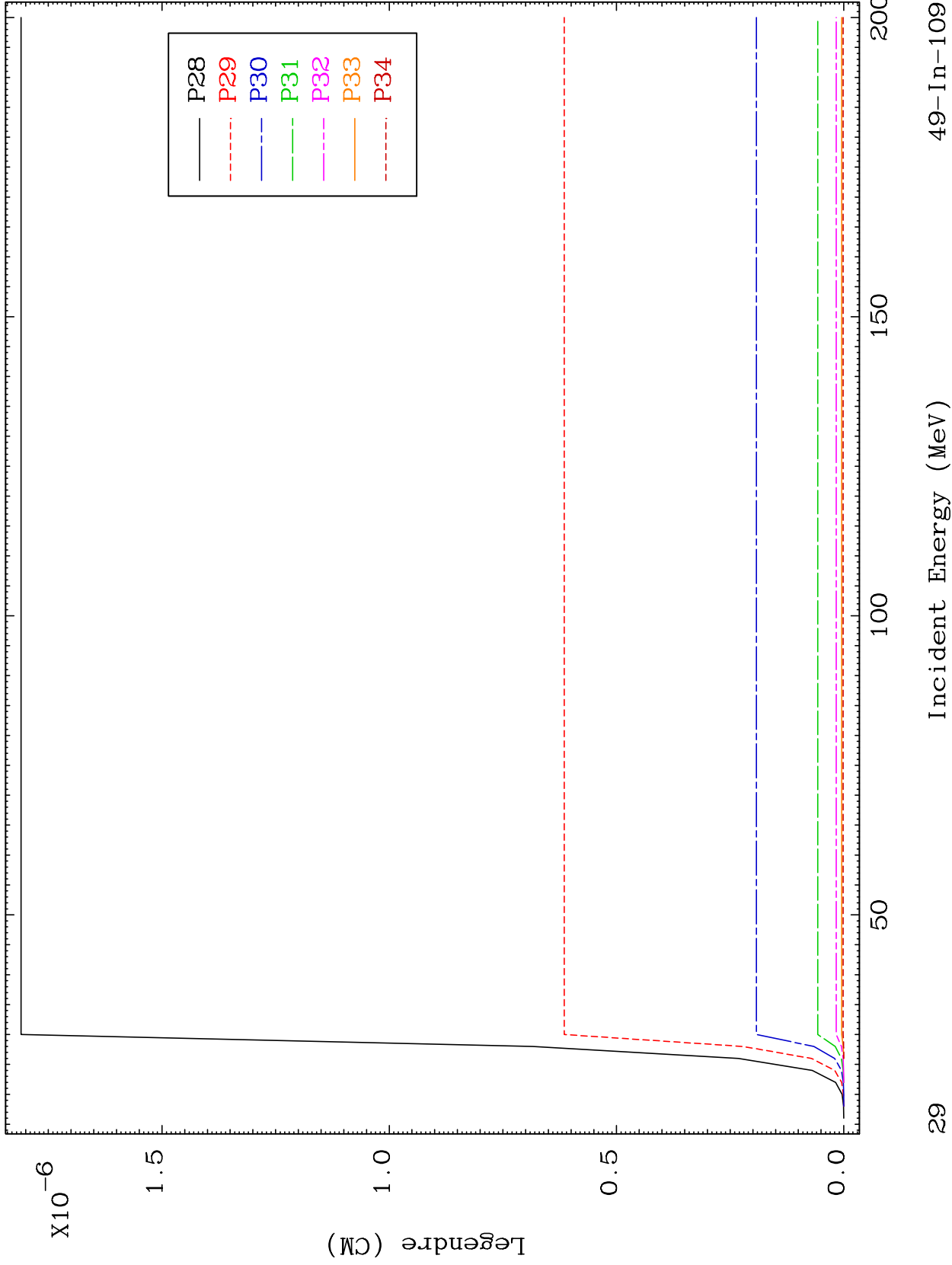
49-In-109



MAT 4913

1.026 MeV (n,n') Level
Legendre Coefficients

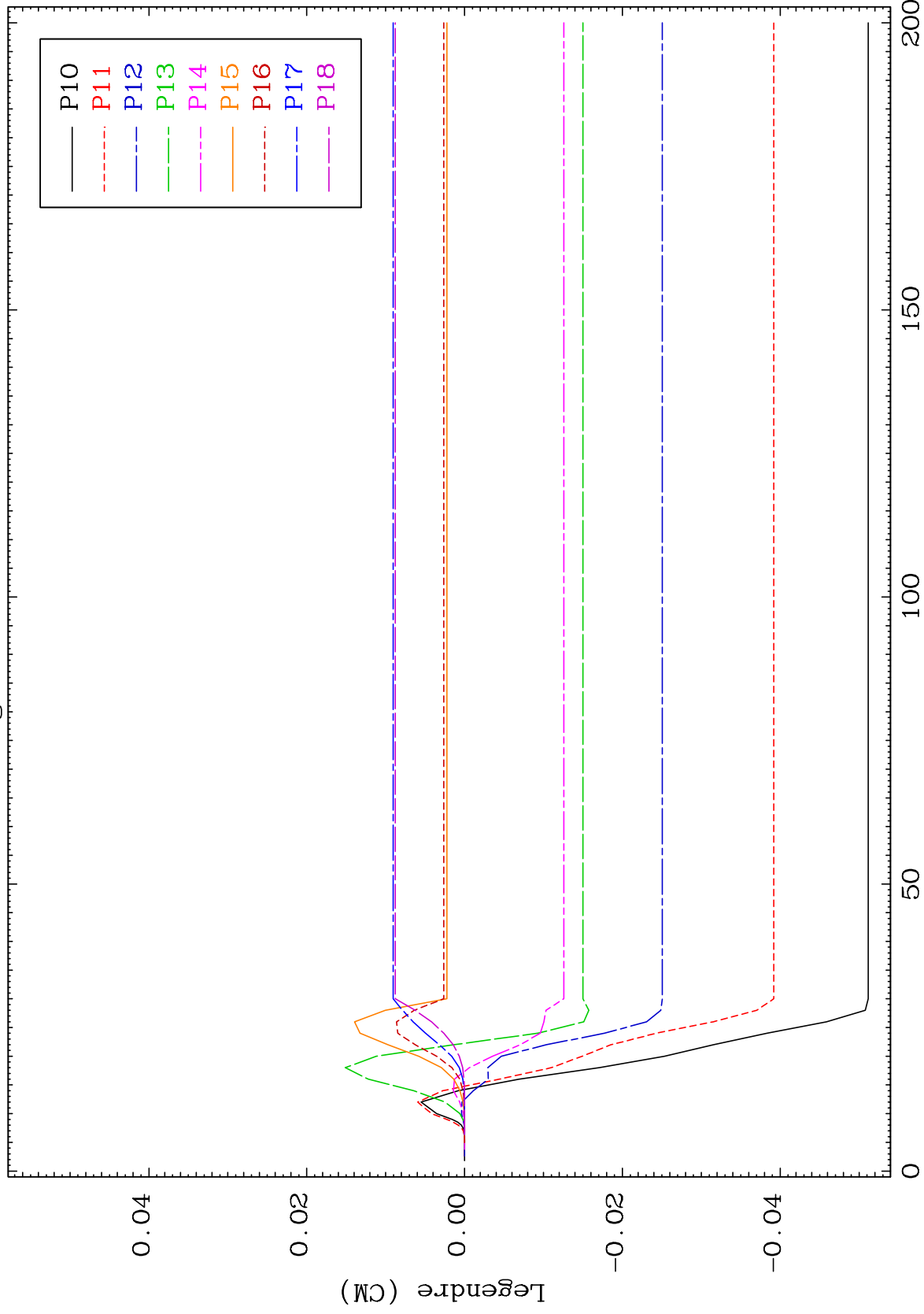
49-In-109



MAT 4913

1.099 MeV (n, n') Level
Legendre Coefficients

49-In-109



31

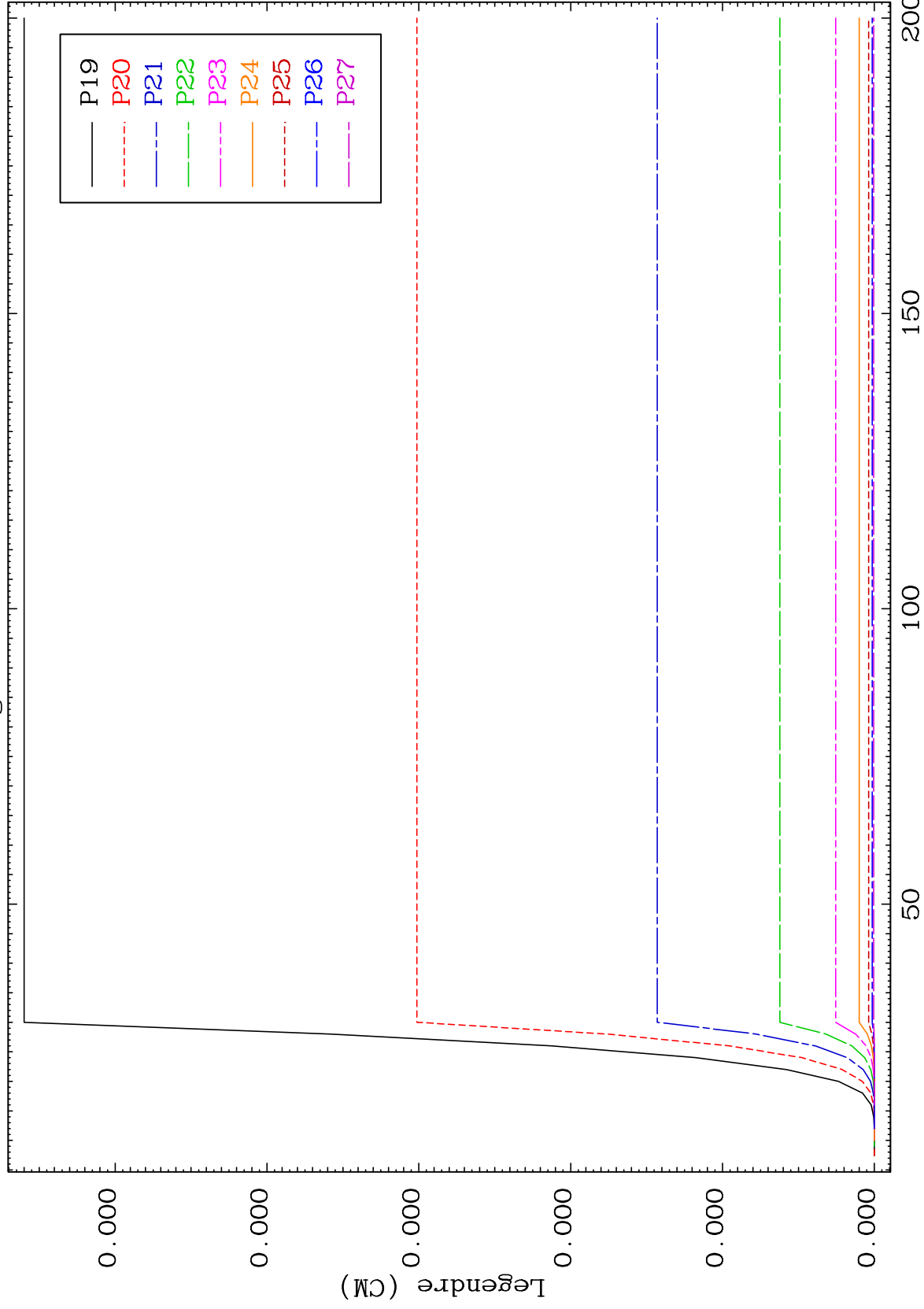
Incident Energy (MeV)

49-In-109

MAT 4913

1.099 MeV (n,n') Level
Legendre Coefficients

49-In-109



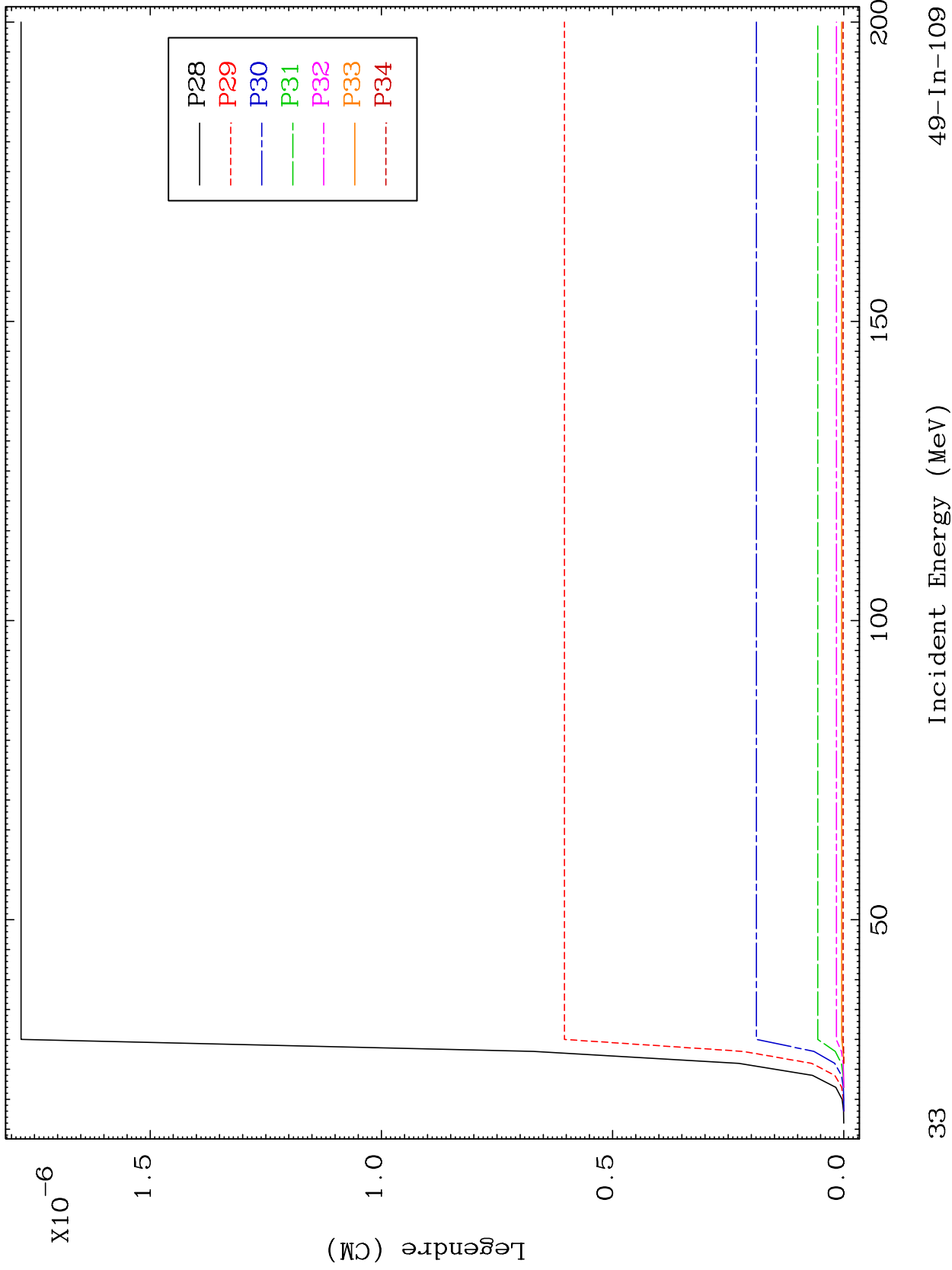
32

49-In-109

MAT 4913

1.099 MeV (n,n') Level
Legendre Coefficients

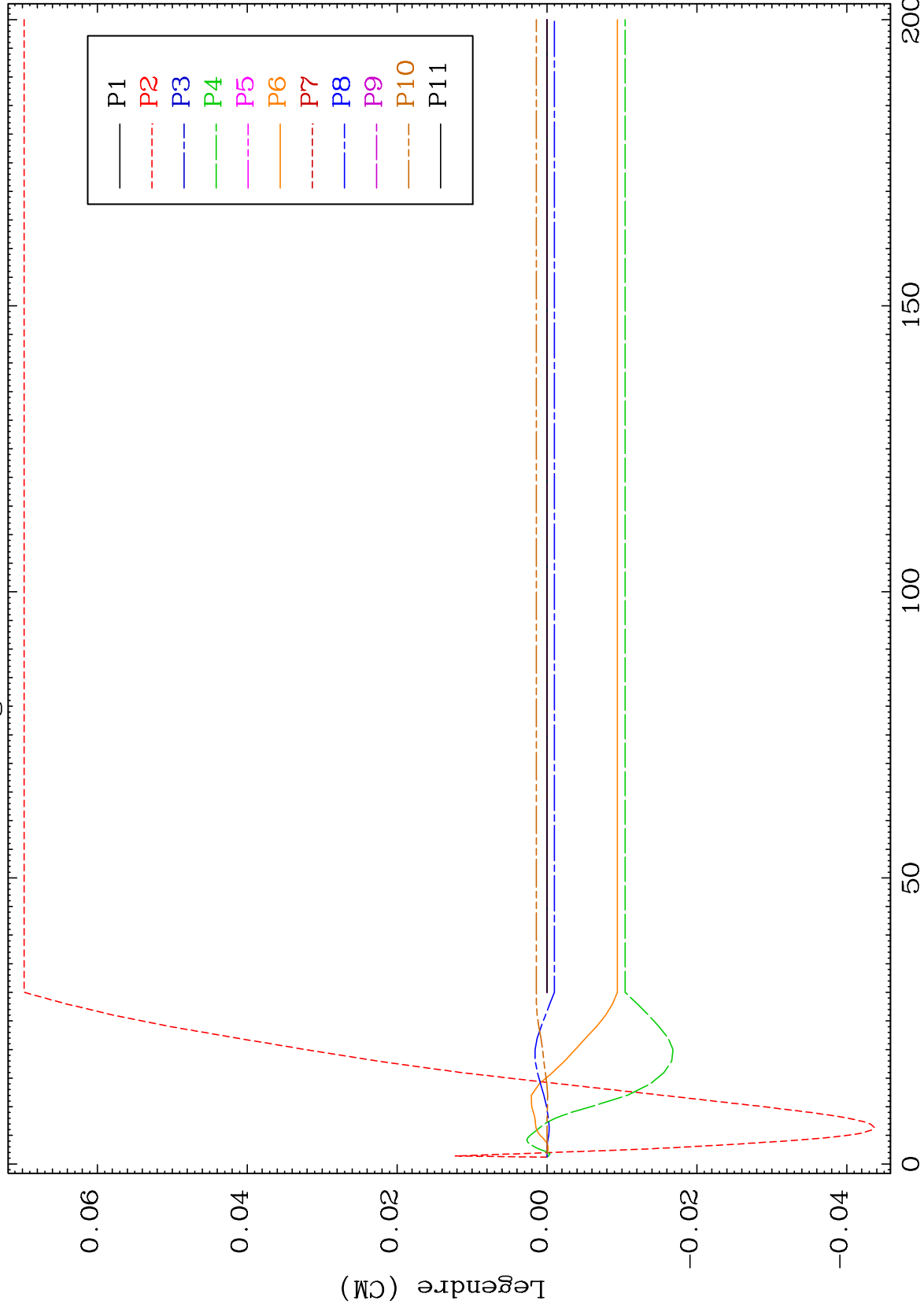
49-In-109



MAT 4913

1.172 MeV (n,n') Level
Legendre Coefficients

49-In-109



34

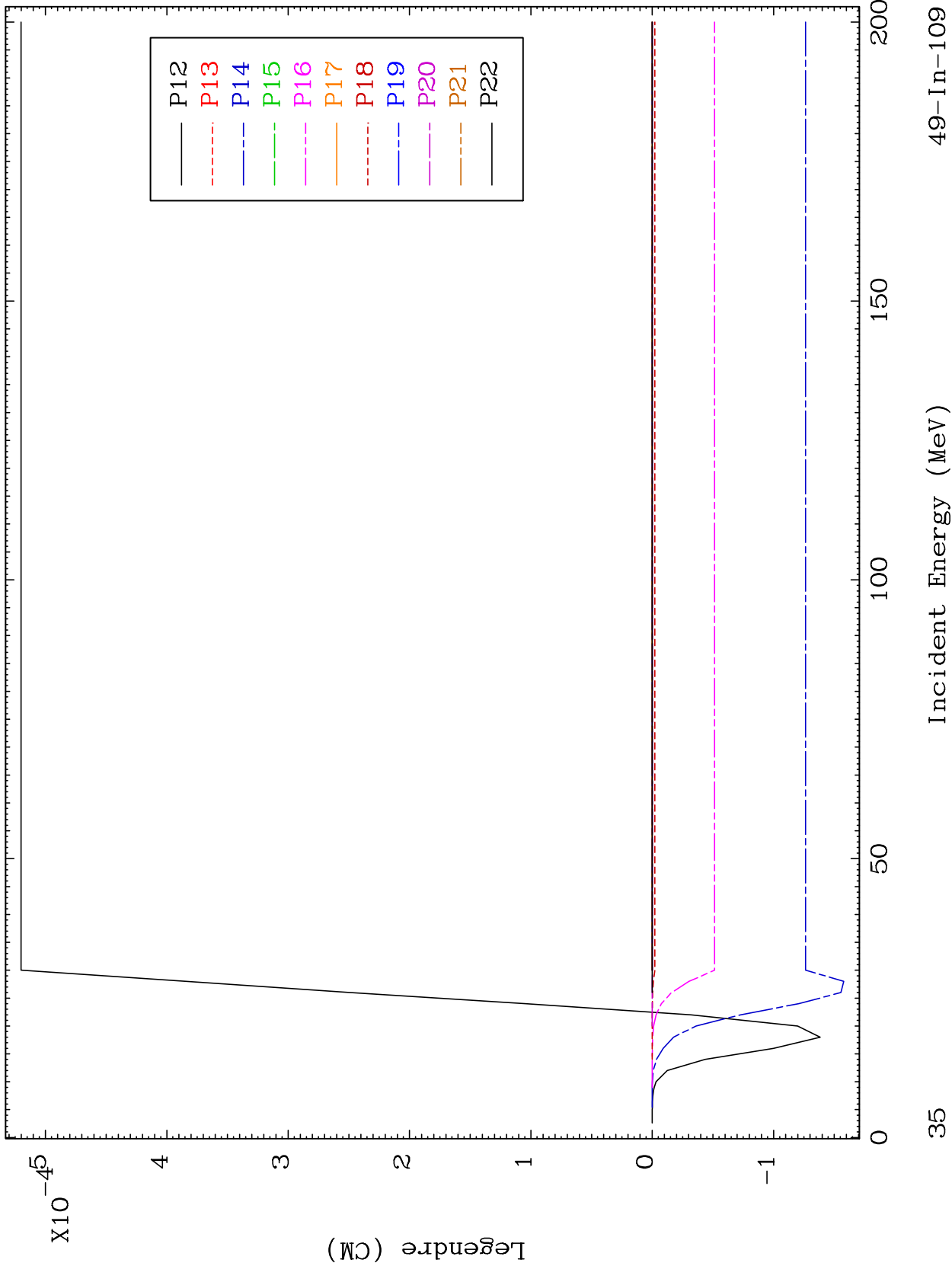
Incident Energy (MeV)

49-In-109

MAT 4913

1.172 MeV (n,n') Level
Legendre Coefficients

49-In-109



49-In-109

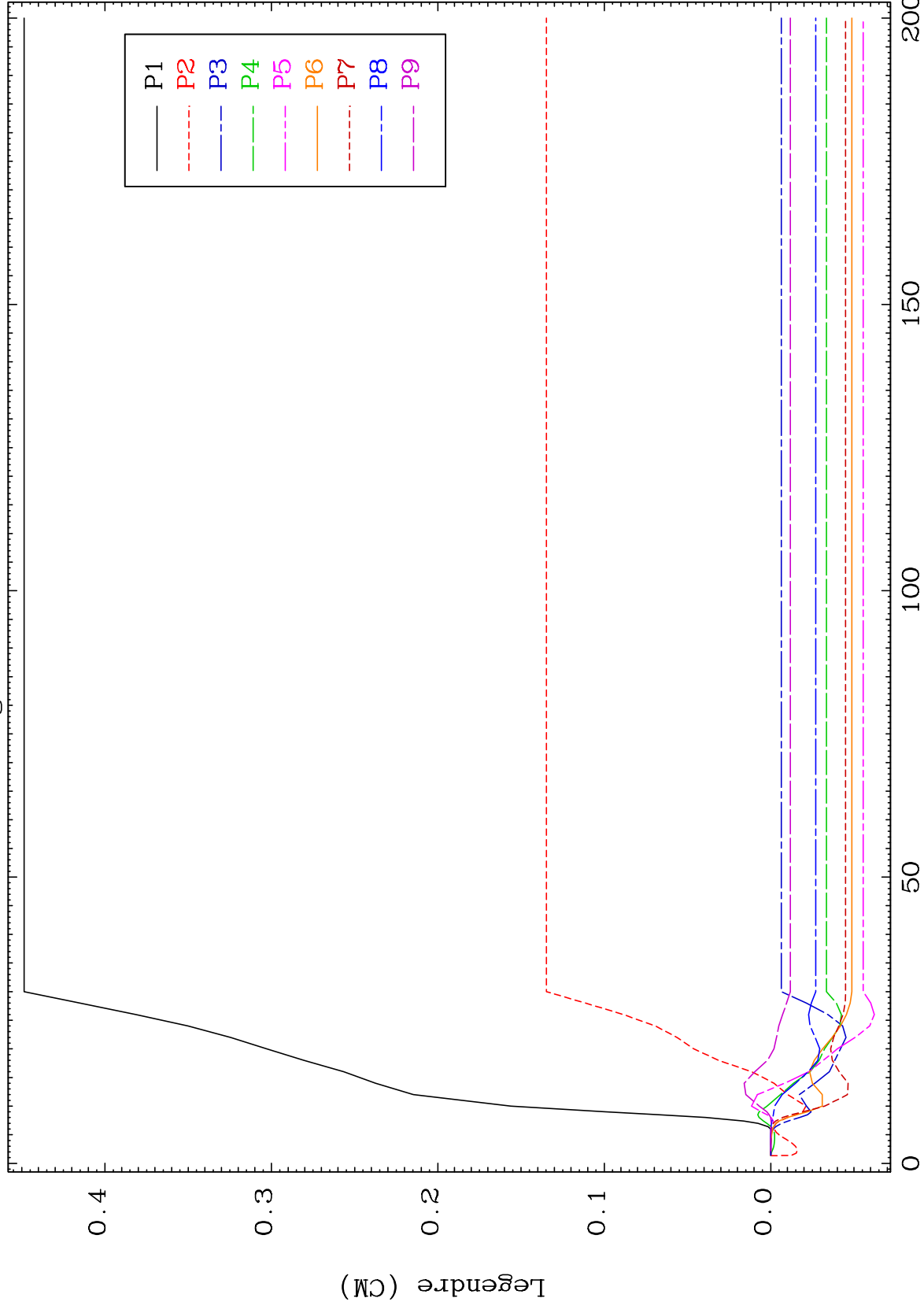
Incident Energy (MeV)

35

MAT 4913

1.321 MeV (n,n') Level
Legendre Coefficients

49-In-109



36

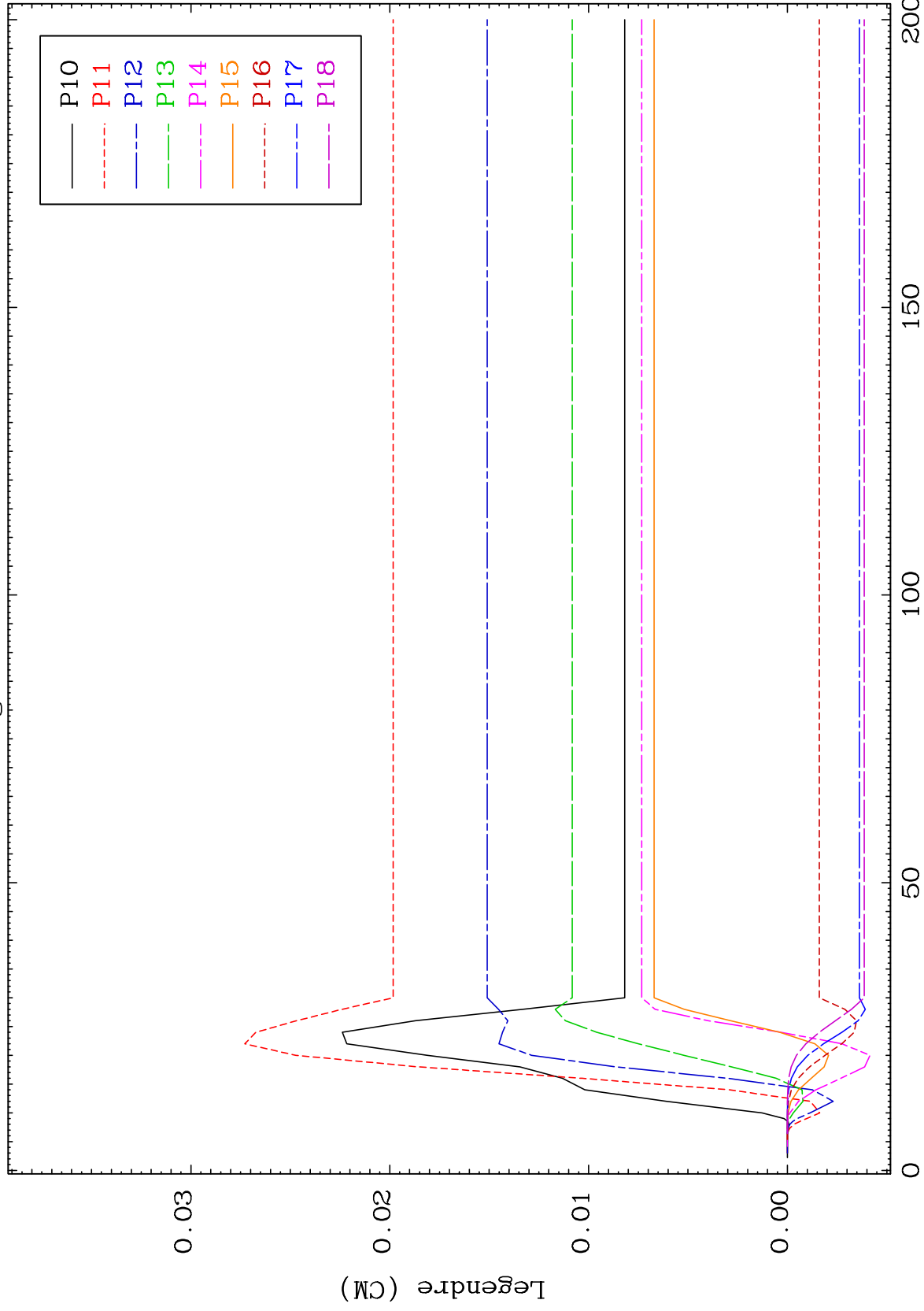
Incident Energy (MeV)

49-In-109

MAT 4913

1.321 MeV (n,n') Level
Legendre Coefficients

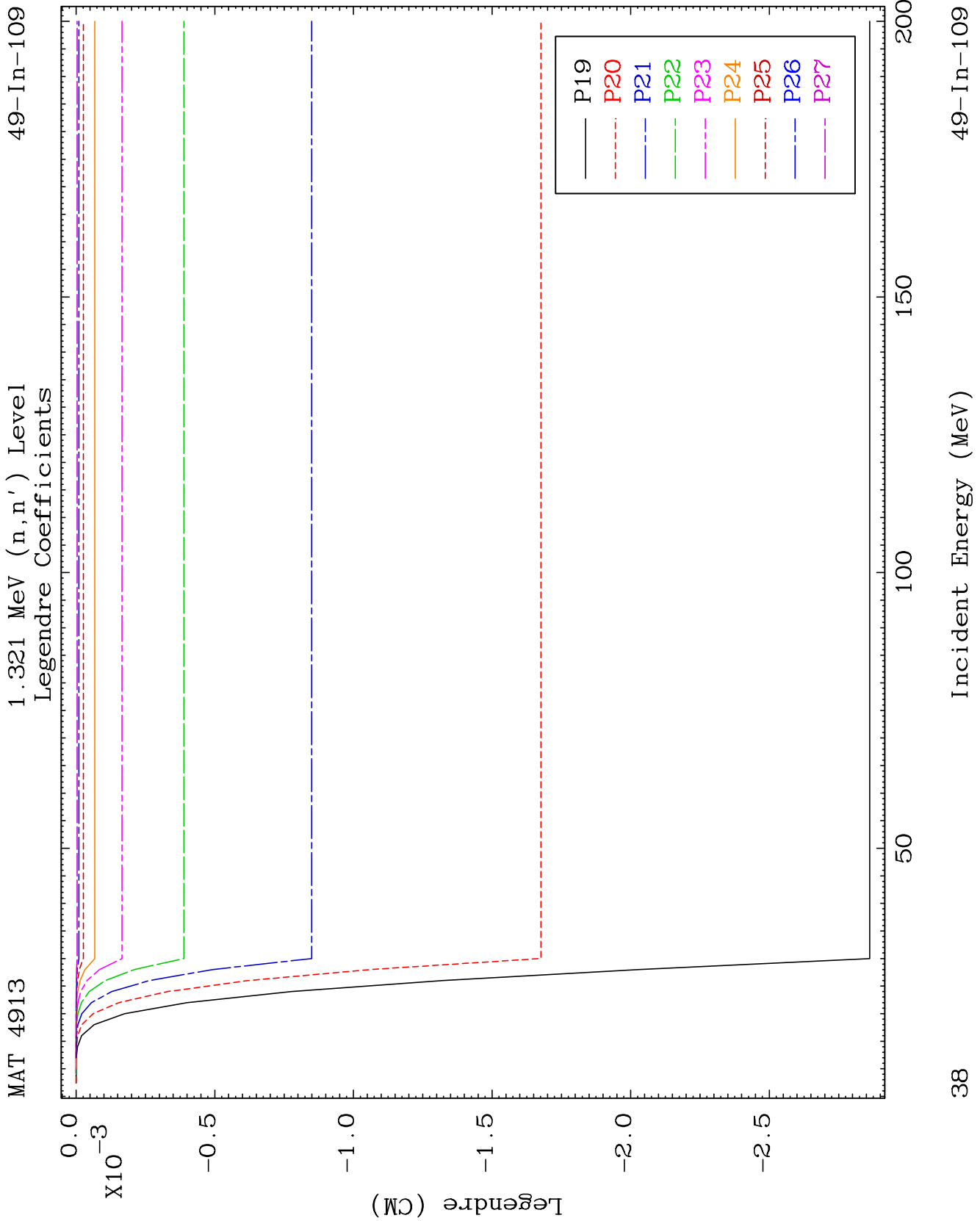
49-In-109

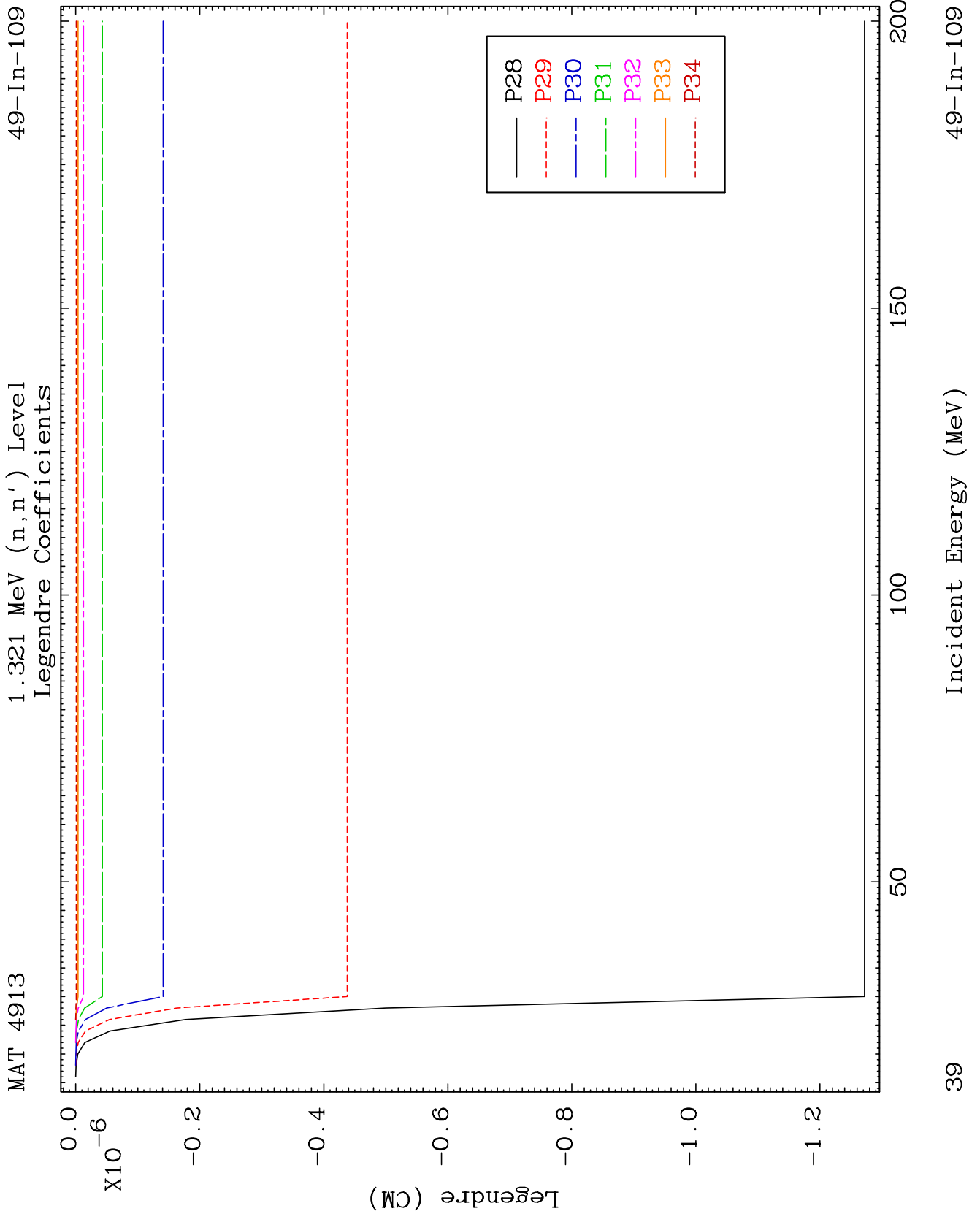


37

Incident Energy (MeV)

49-In-109

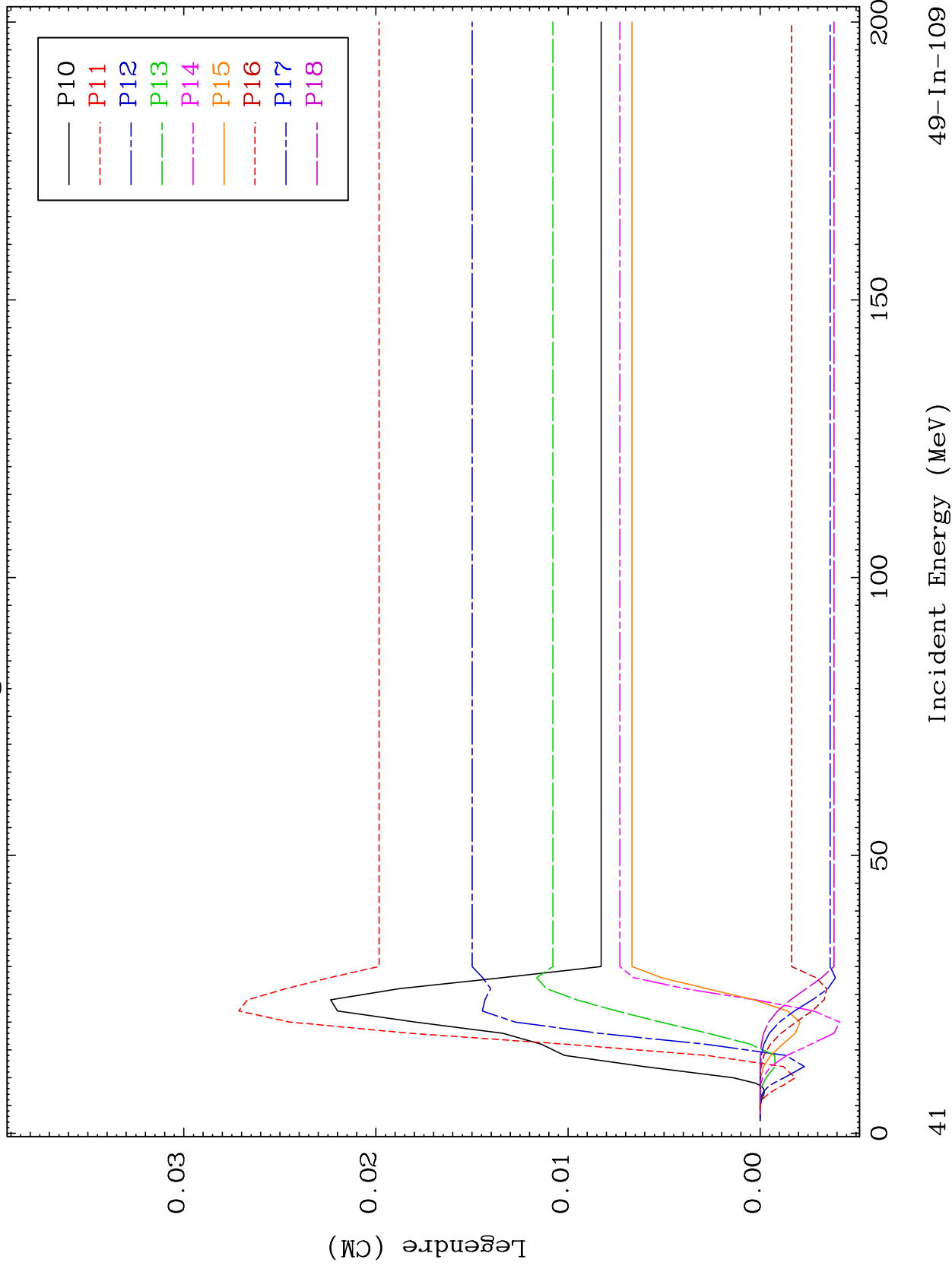




MAT 4913

1.428 MeV (n,n') Level
Legendre Coefficients

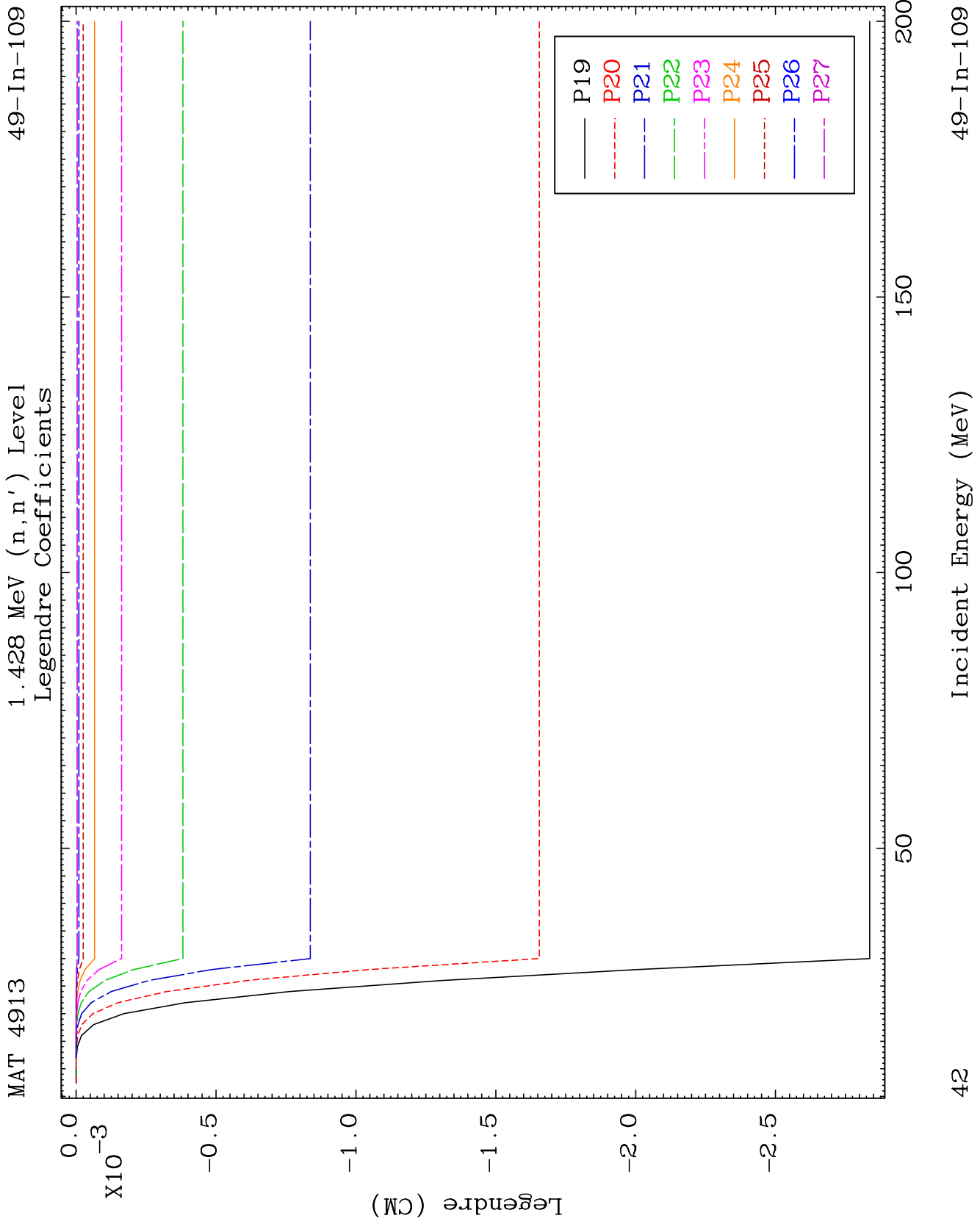
49-In-109

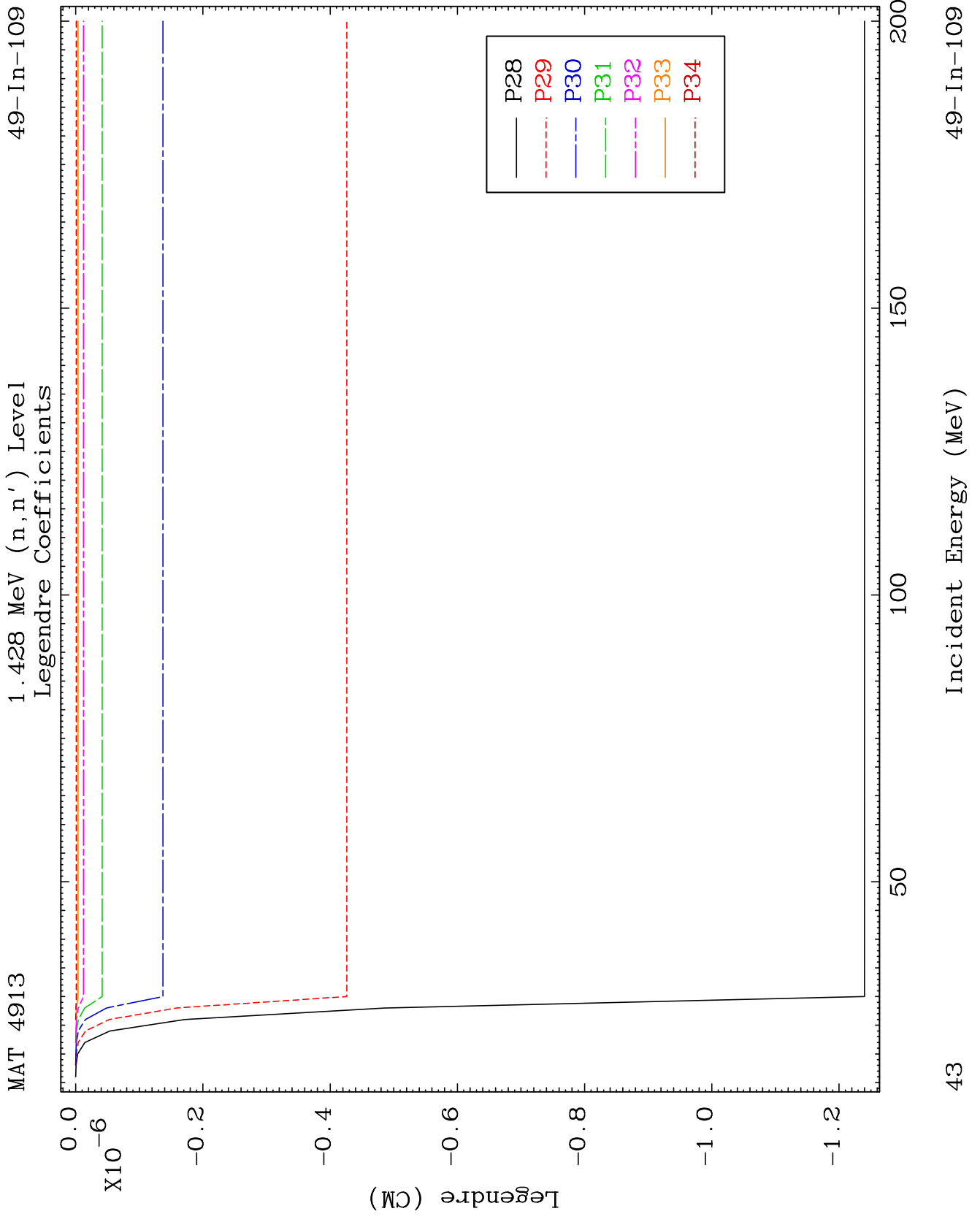


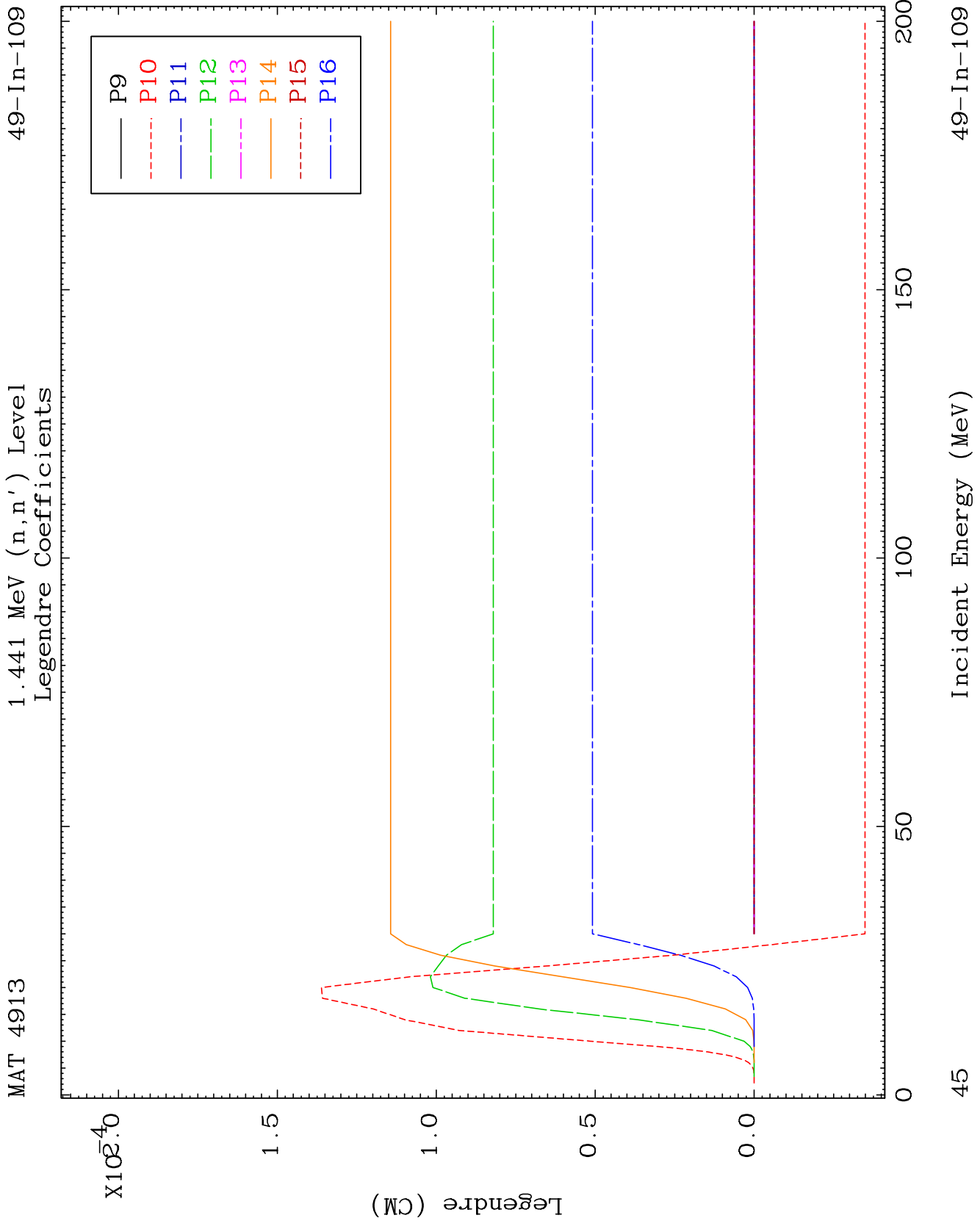
41

Incident Energy (MeV)

49-In-109



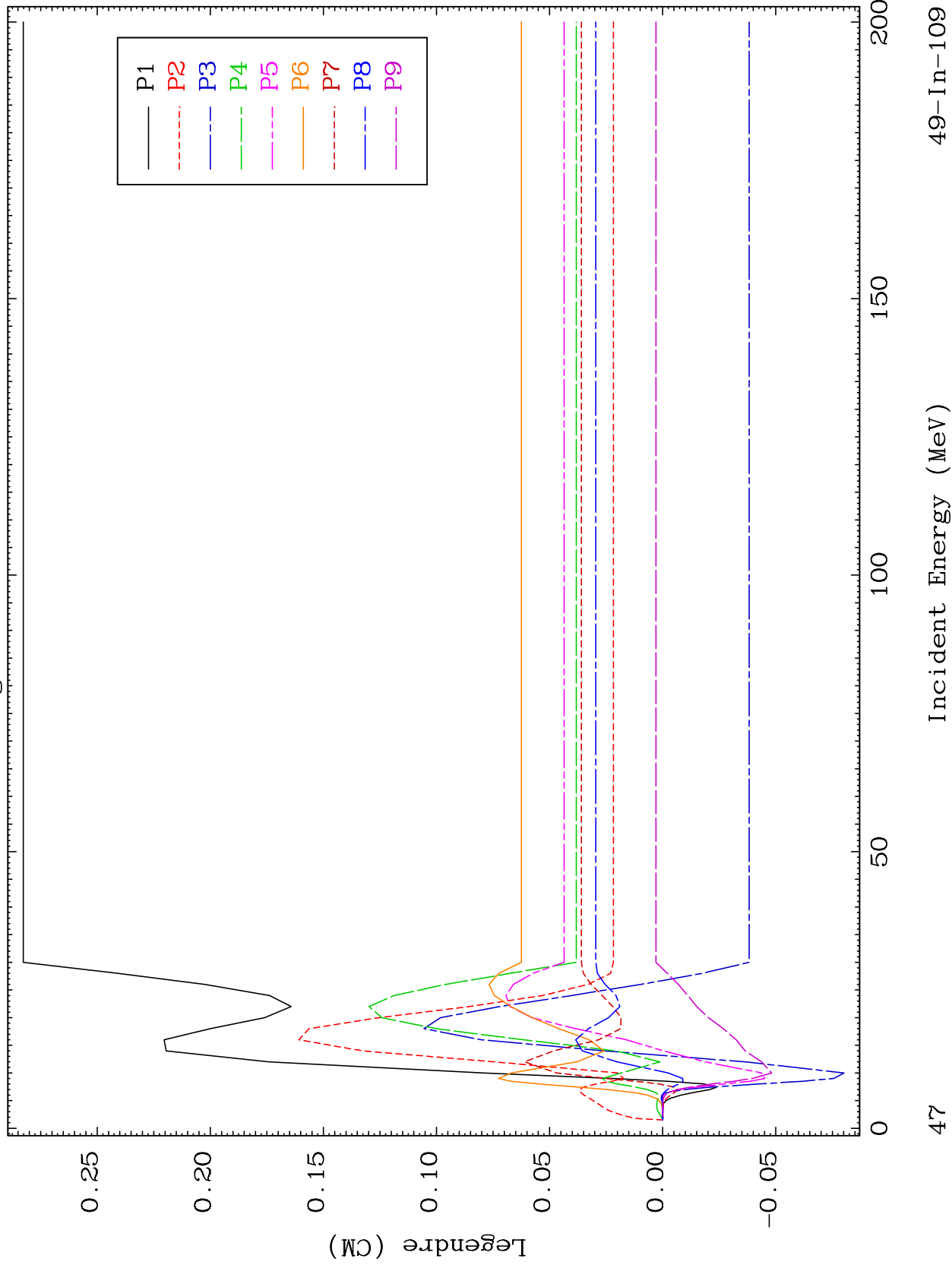




MAT 4913

1.464 MeV (n,n') Level
Legendre Coefficients

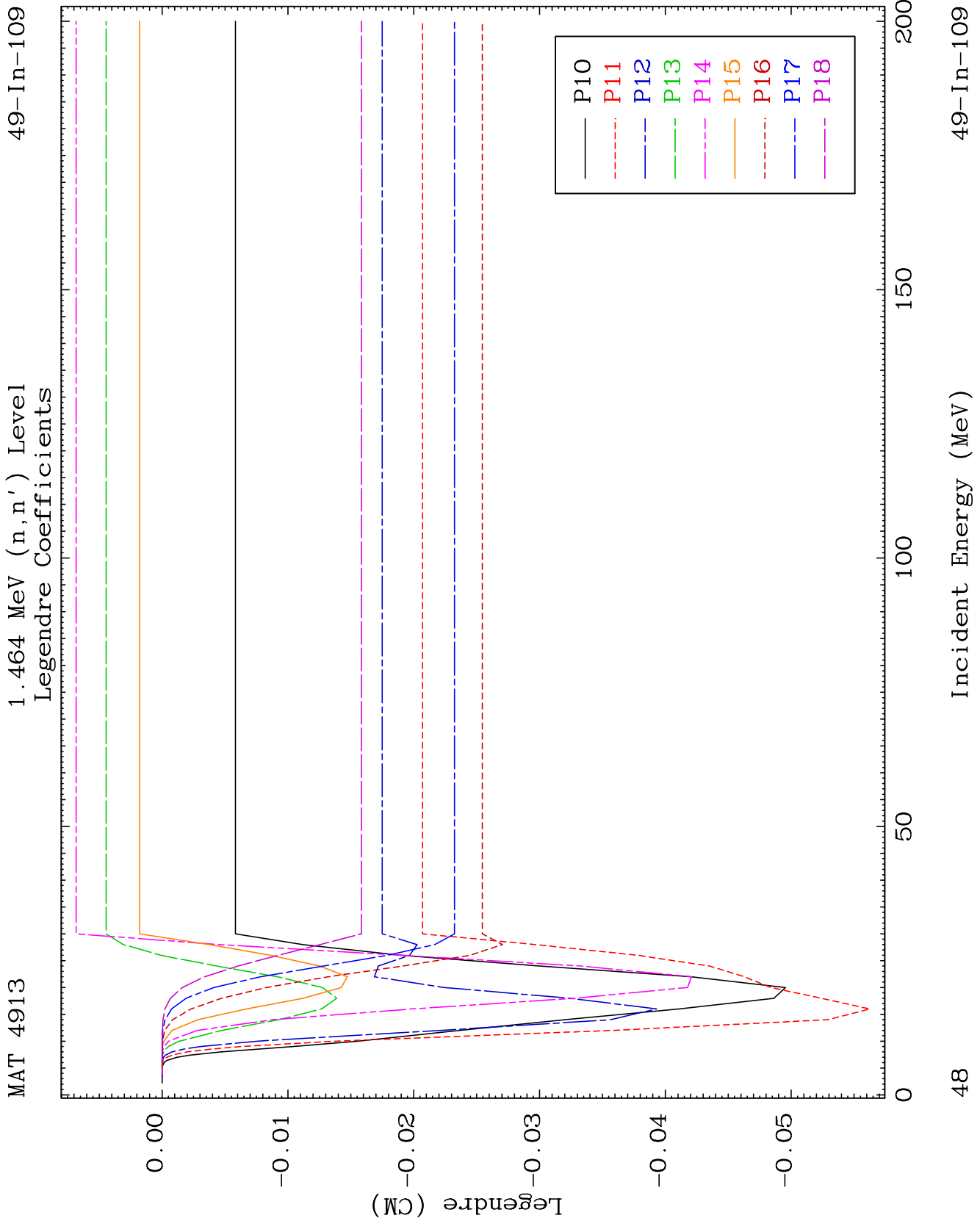
49-In-109

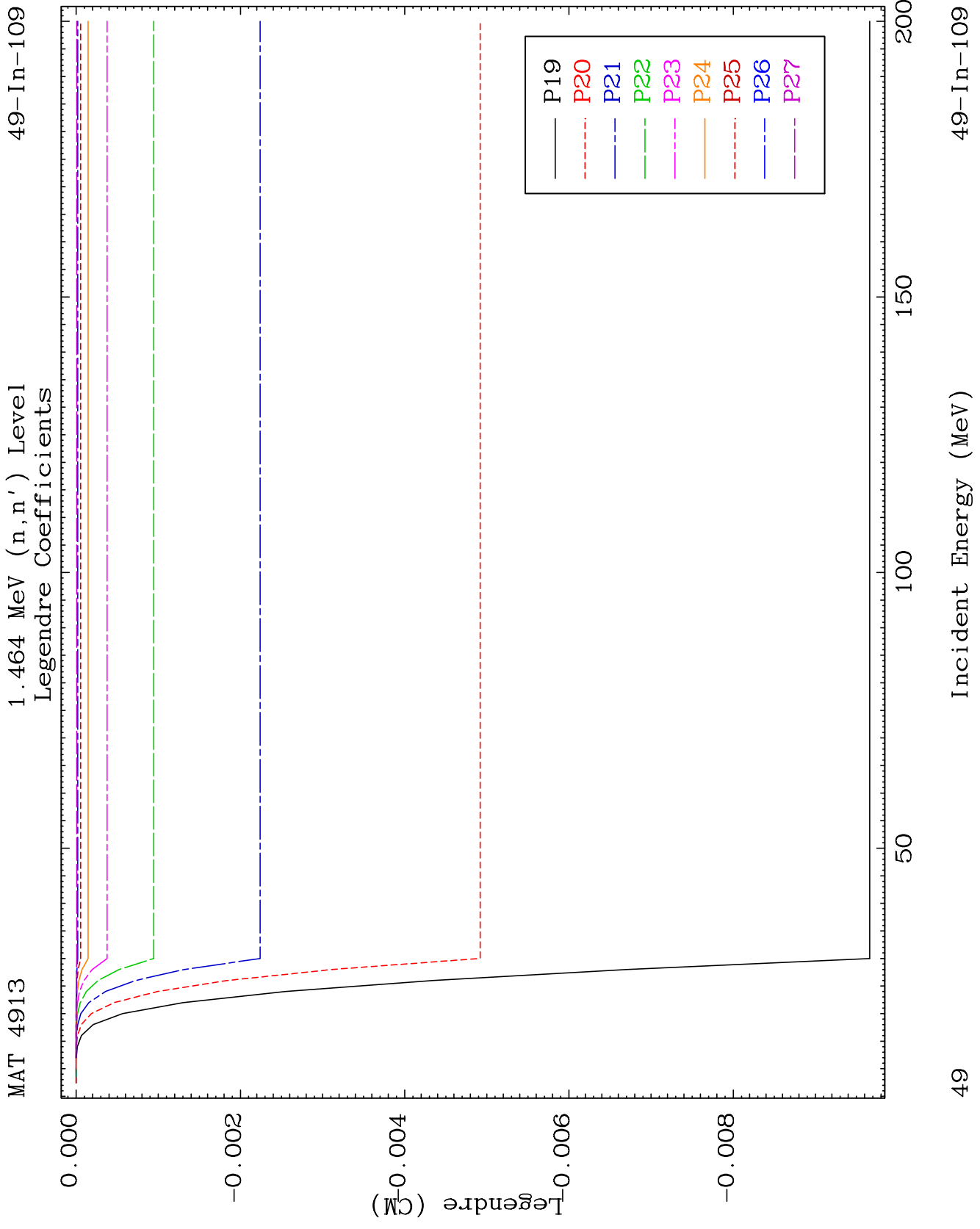


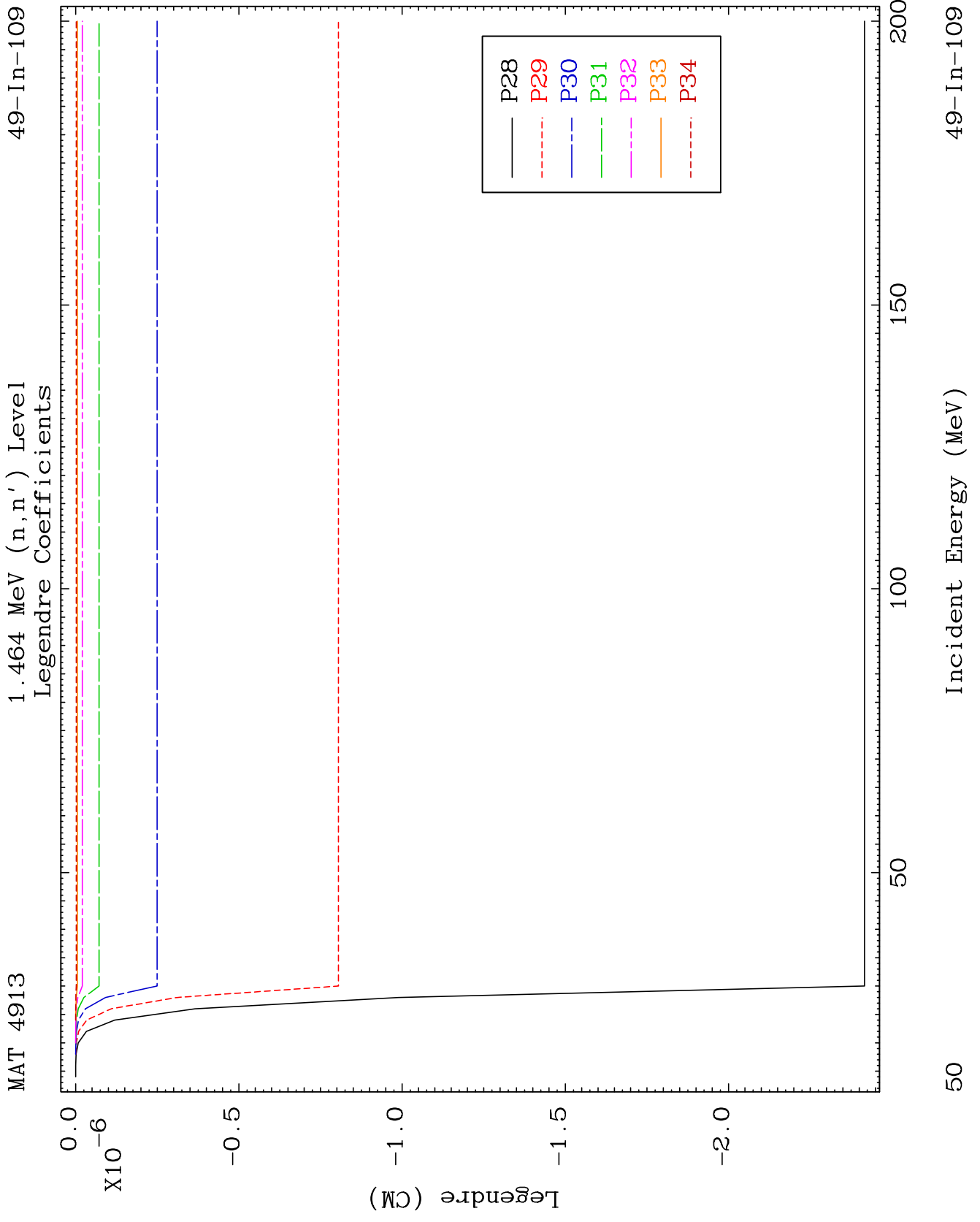
47

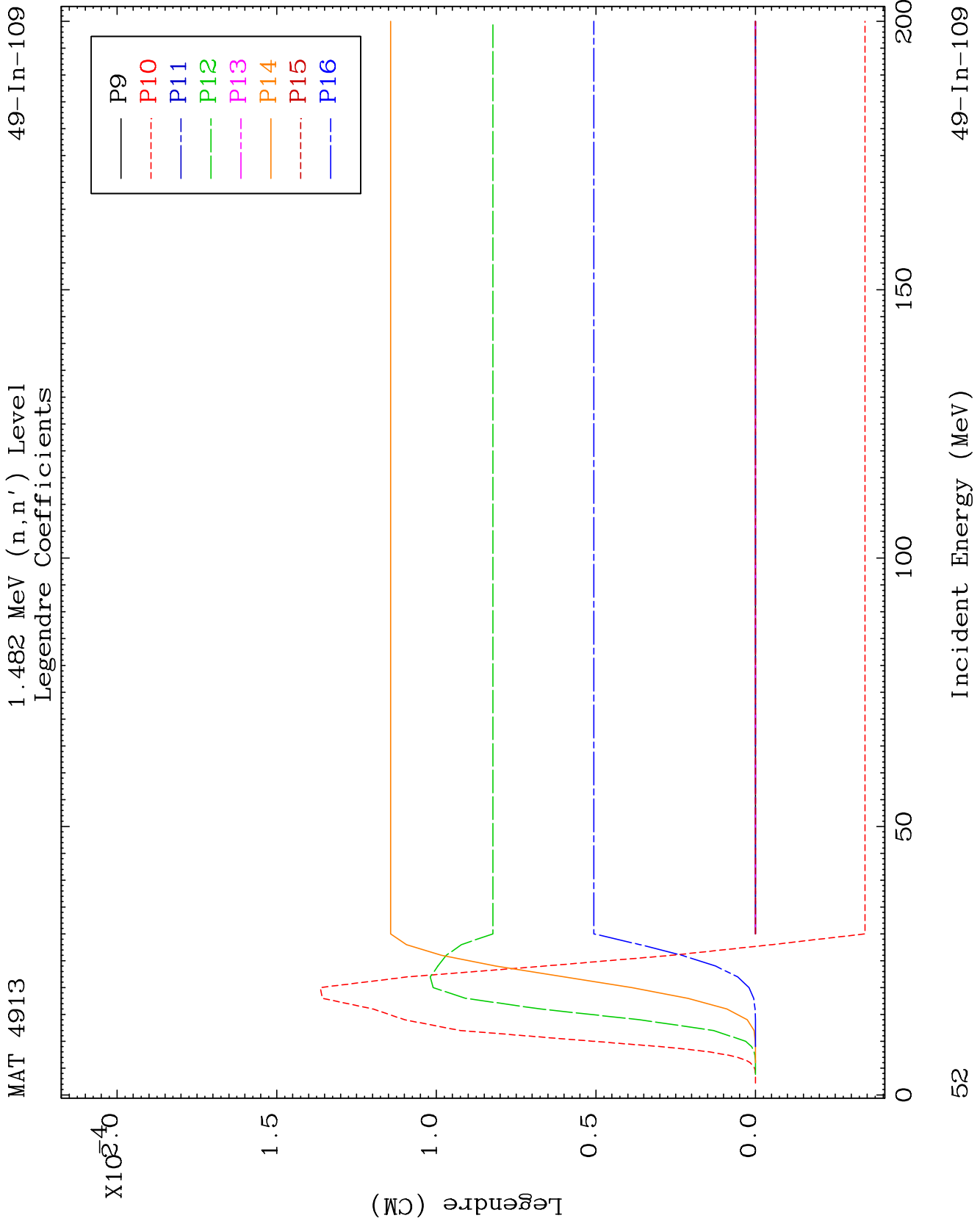
Incident Energy (MeV)

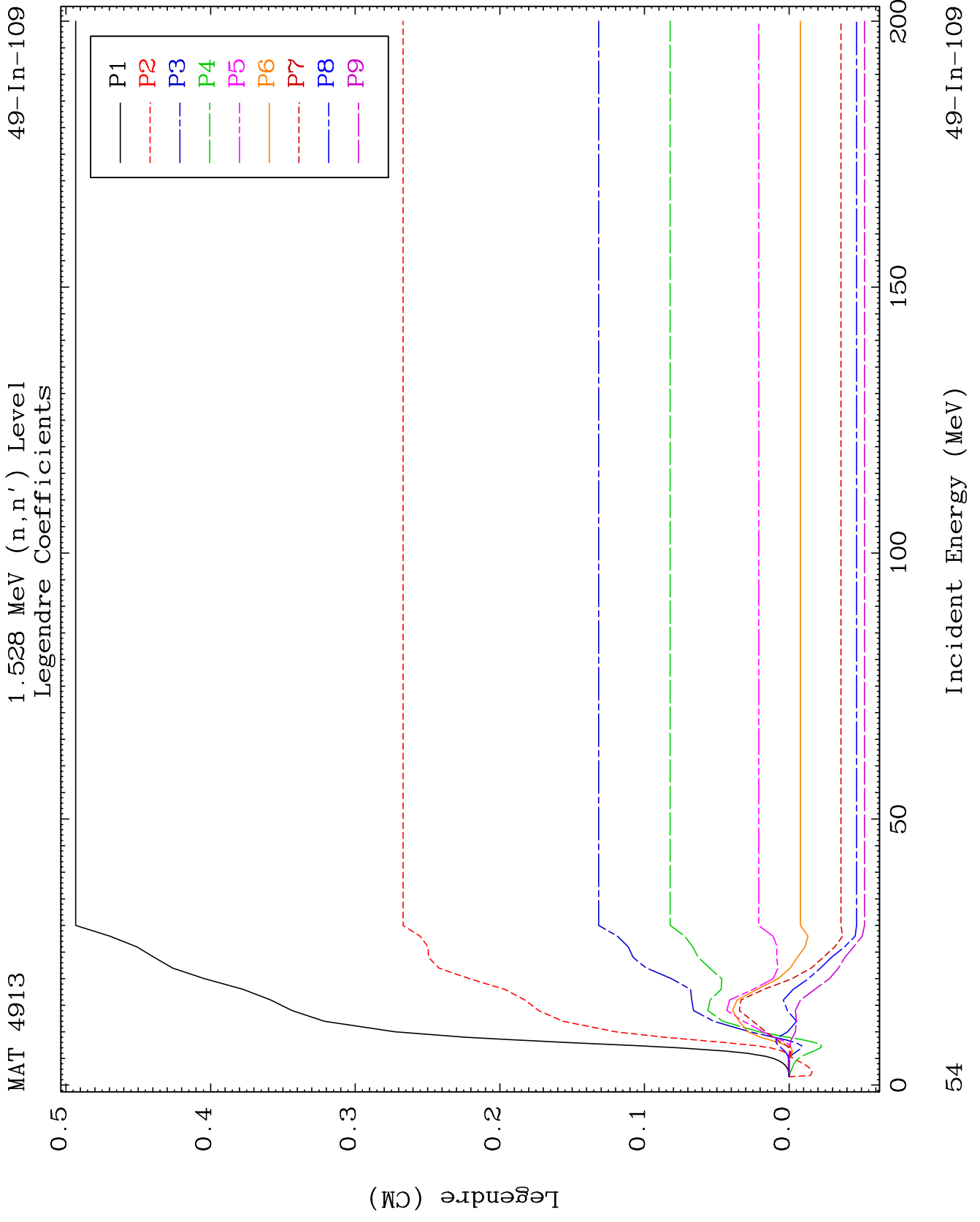
49-In-109

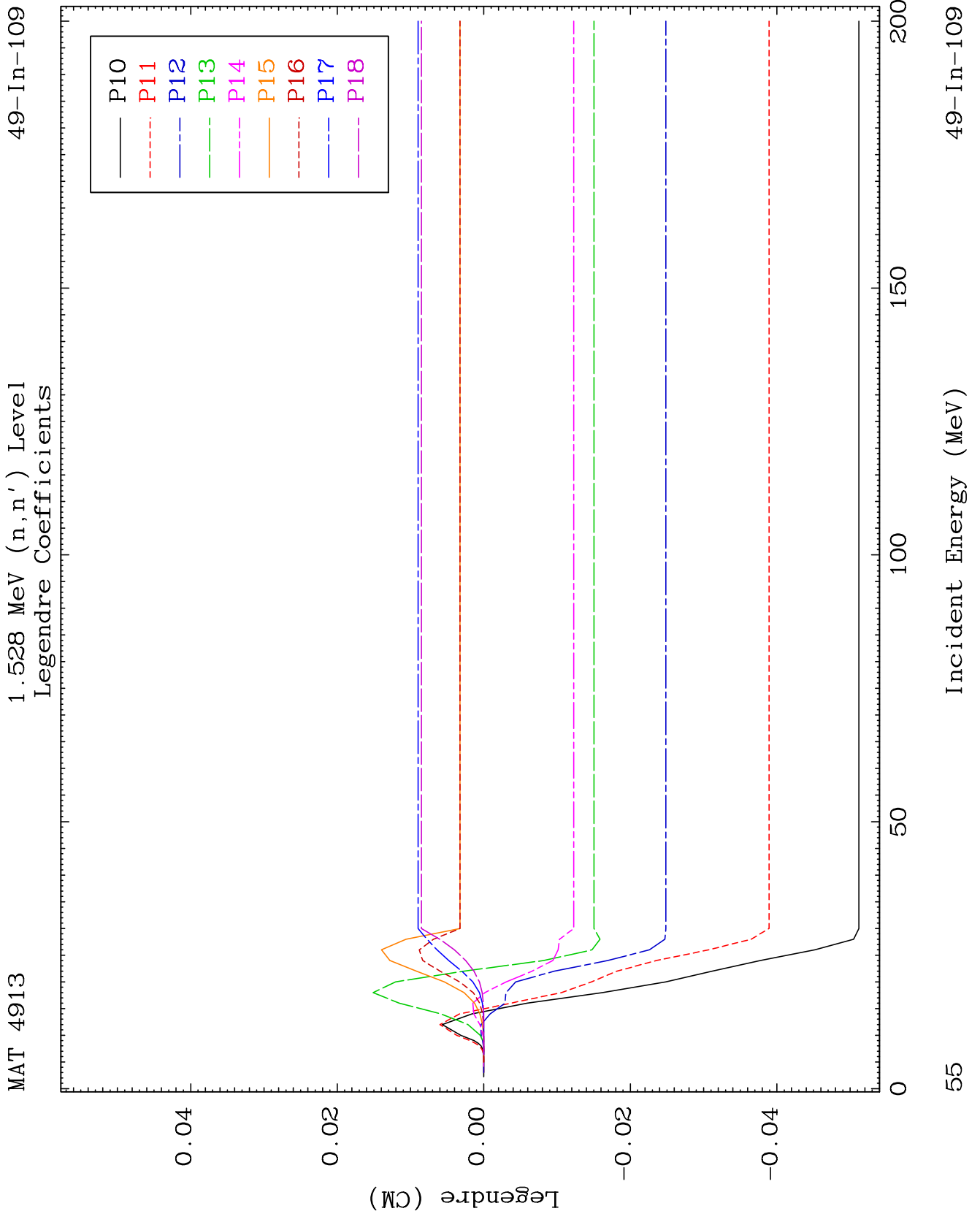


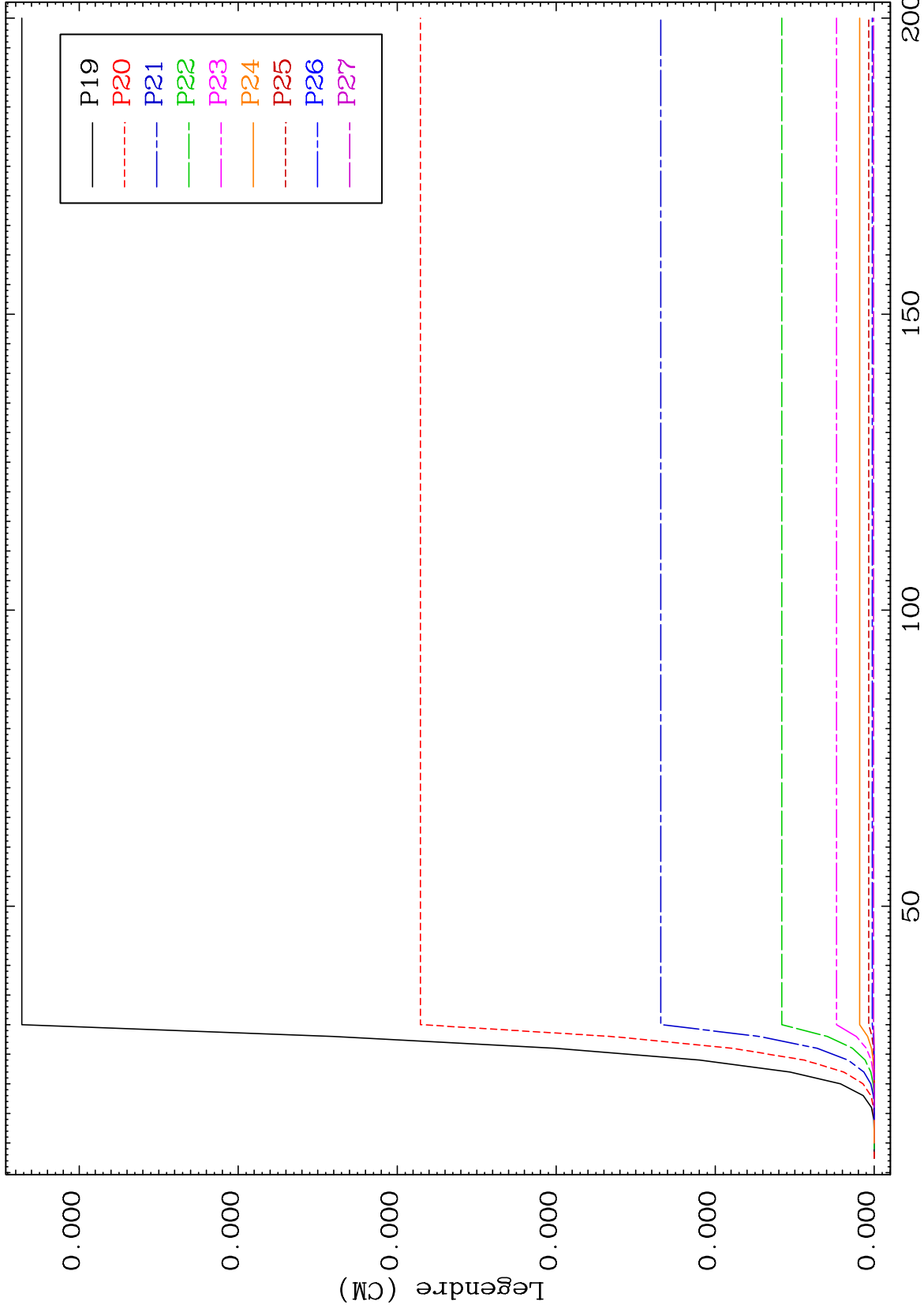








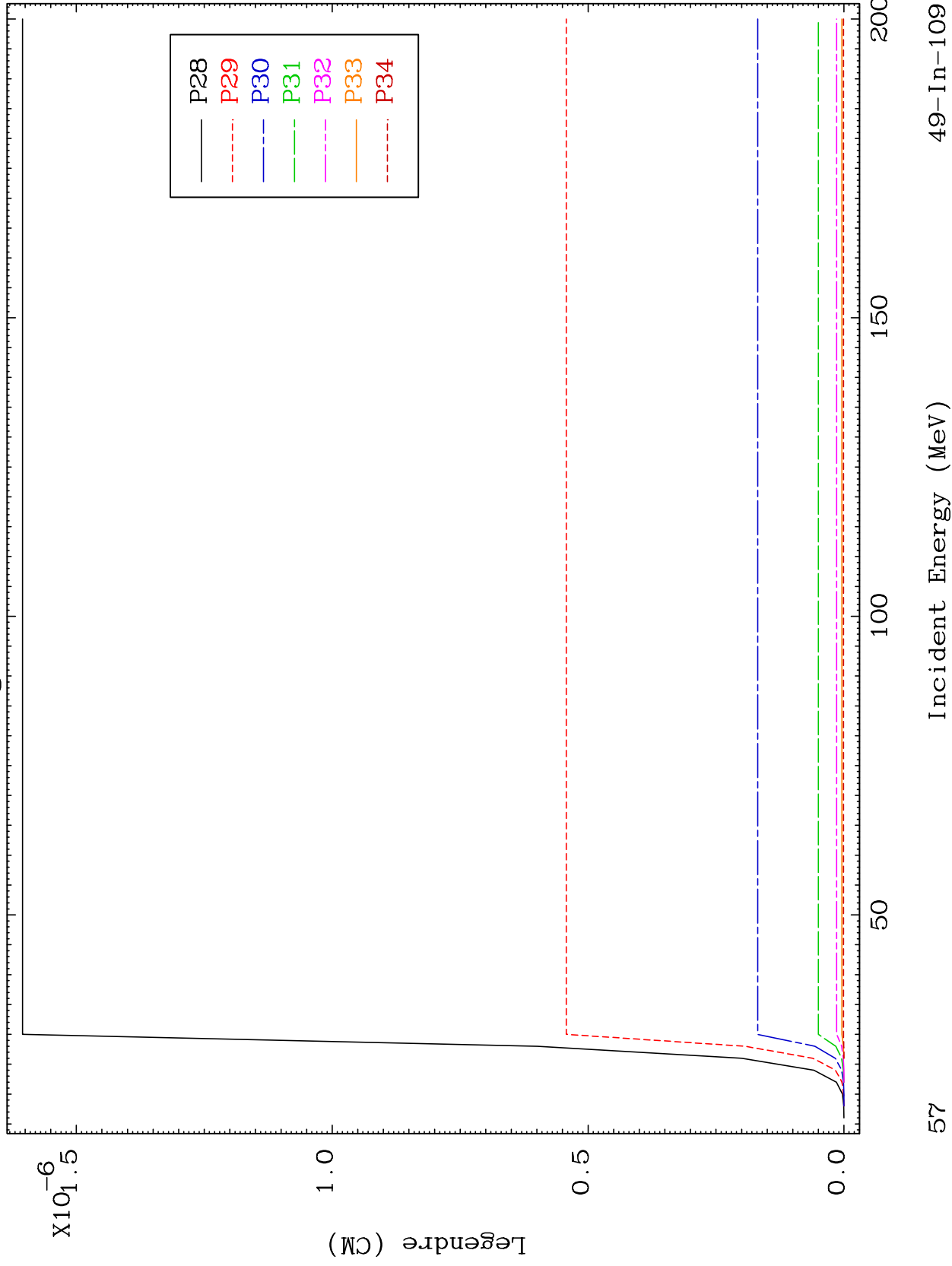




MAT 4913

1.528 MeV (n, n') Level
Legendre Coefficients

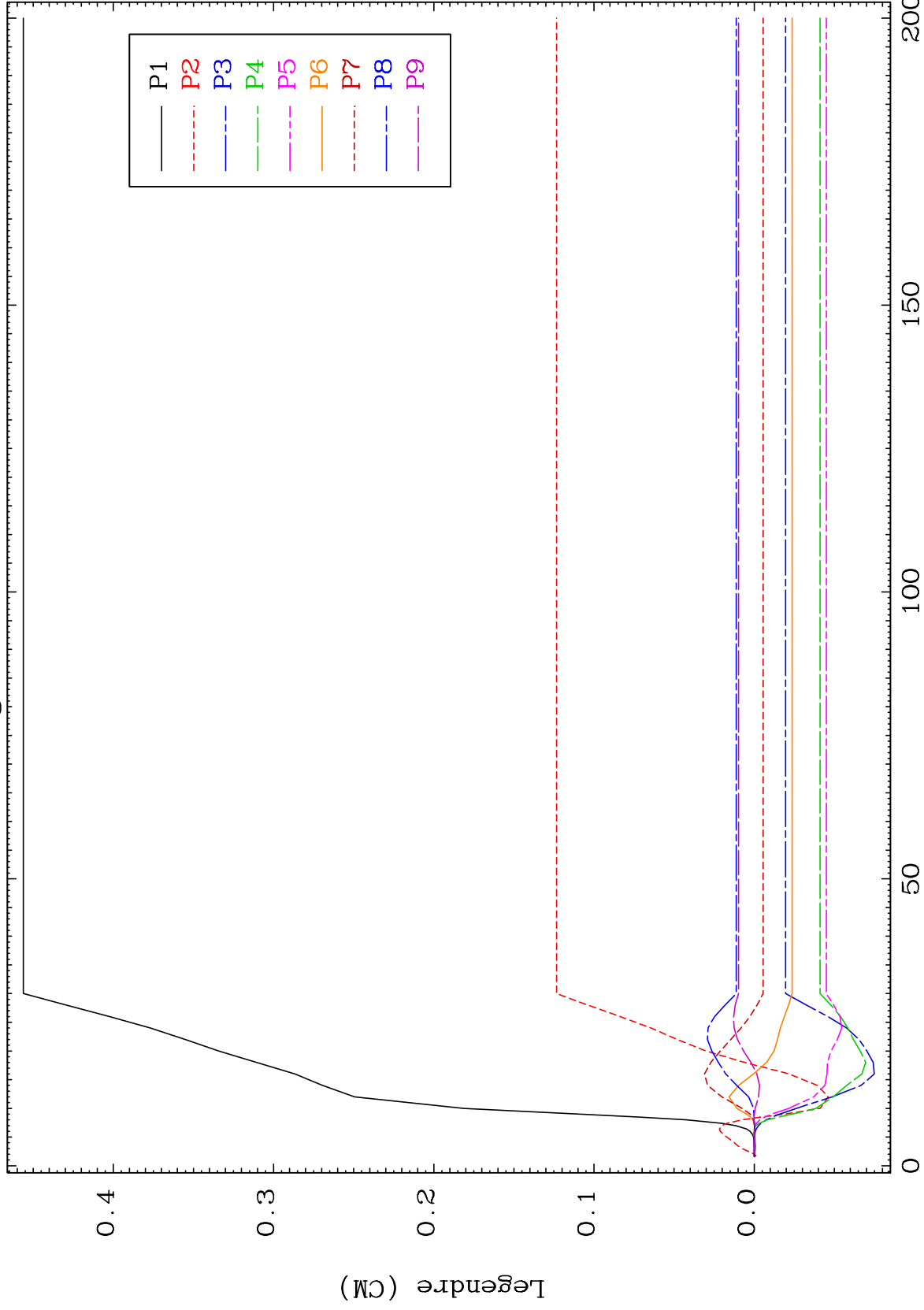
49-In-109



MAT 4913

1.574 MeV (n,n') Level
Legendre Coefficients

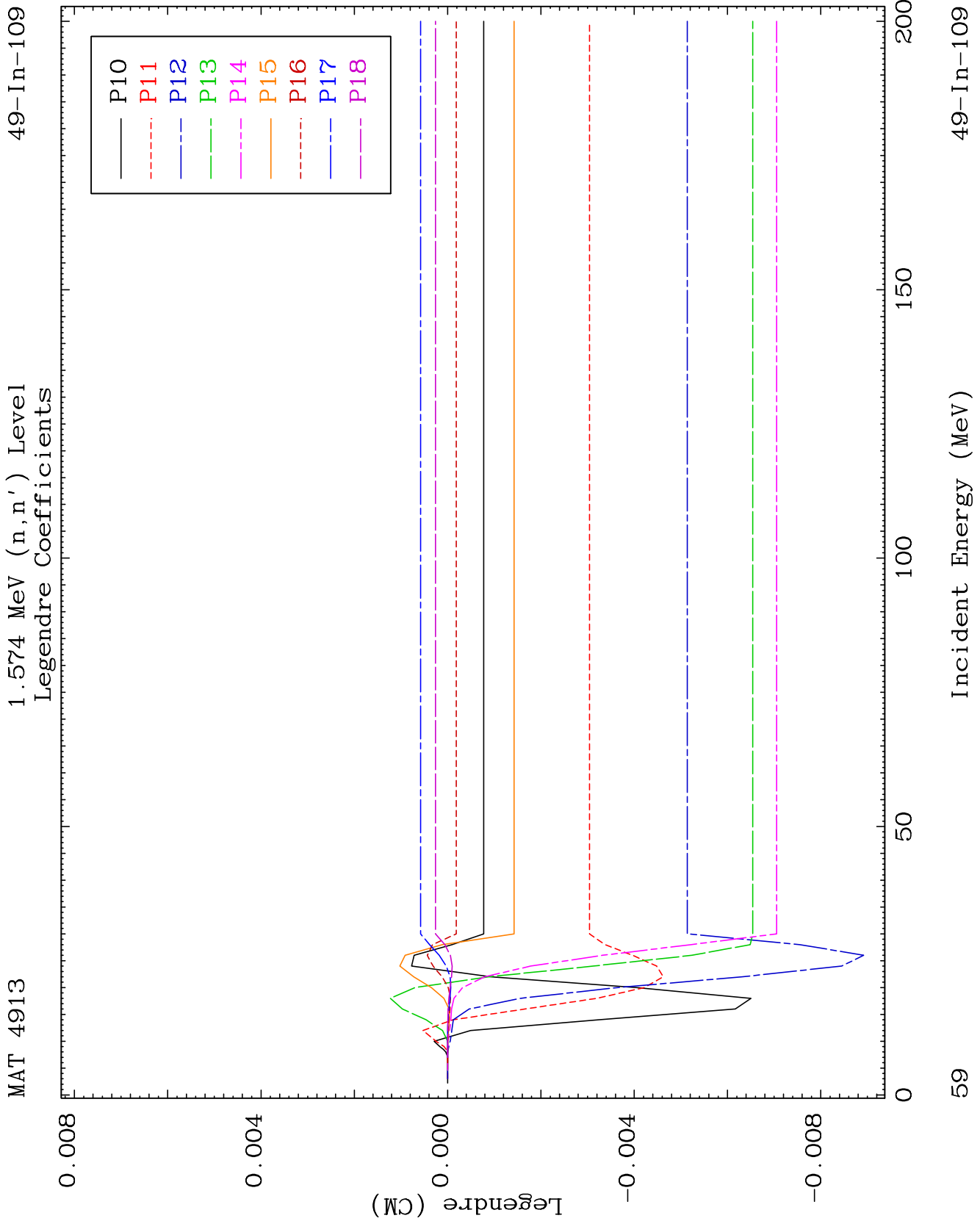
49-In-109



58

Incident Energy (MeV)

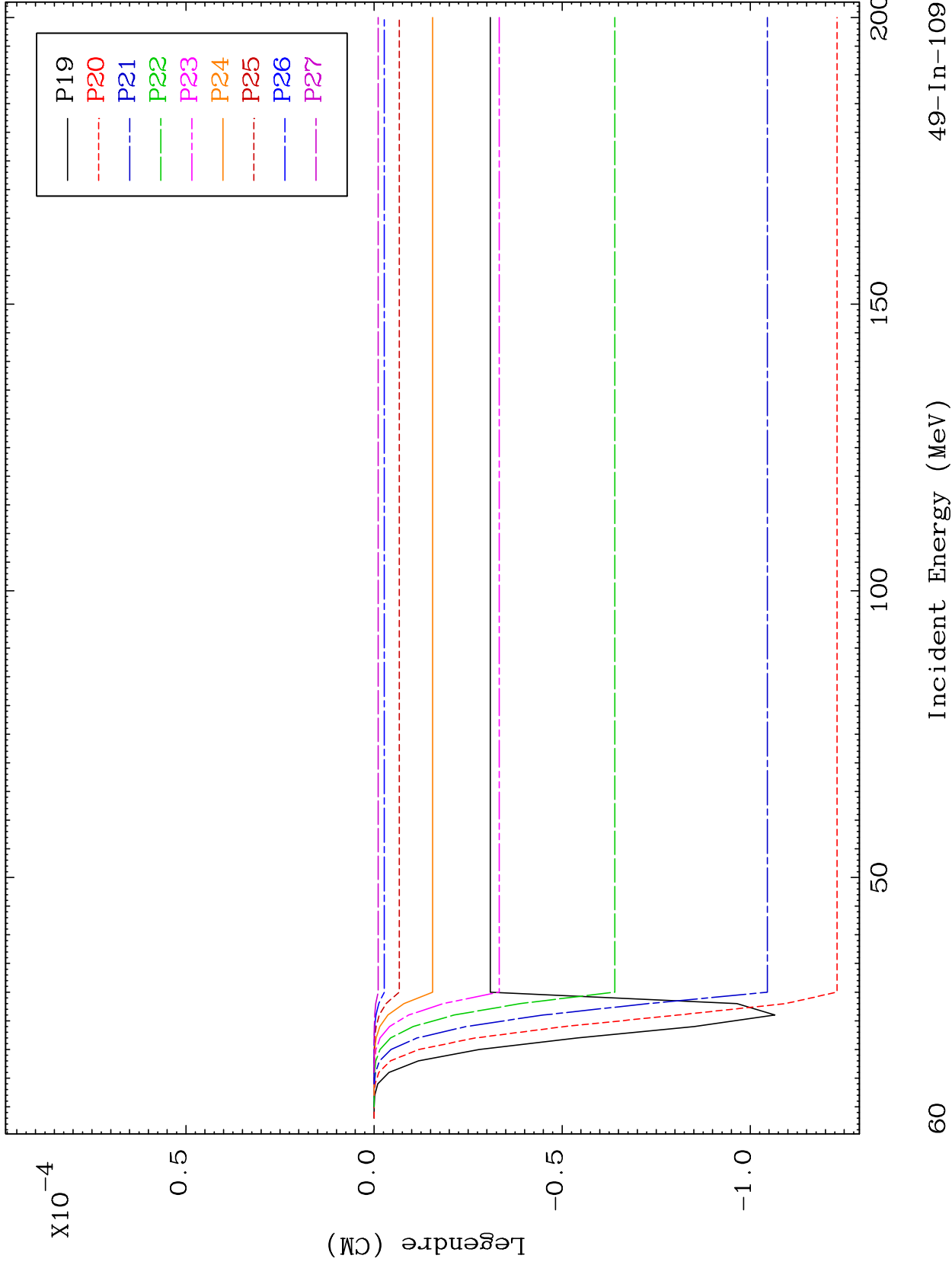
49-In-109



MAT 4913

1.574 MeV (n,n') Level
Legendre Coefficients

49-In-109



60

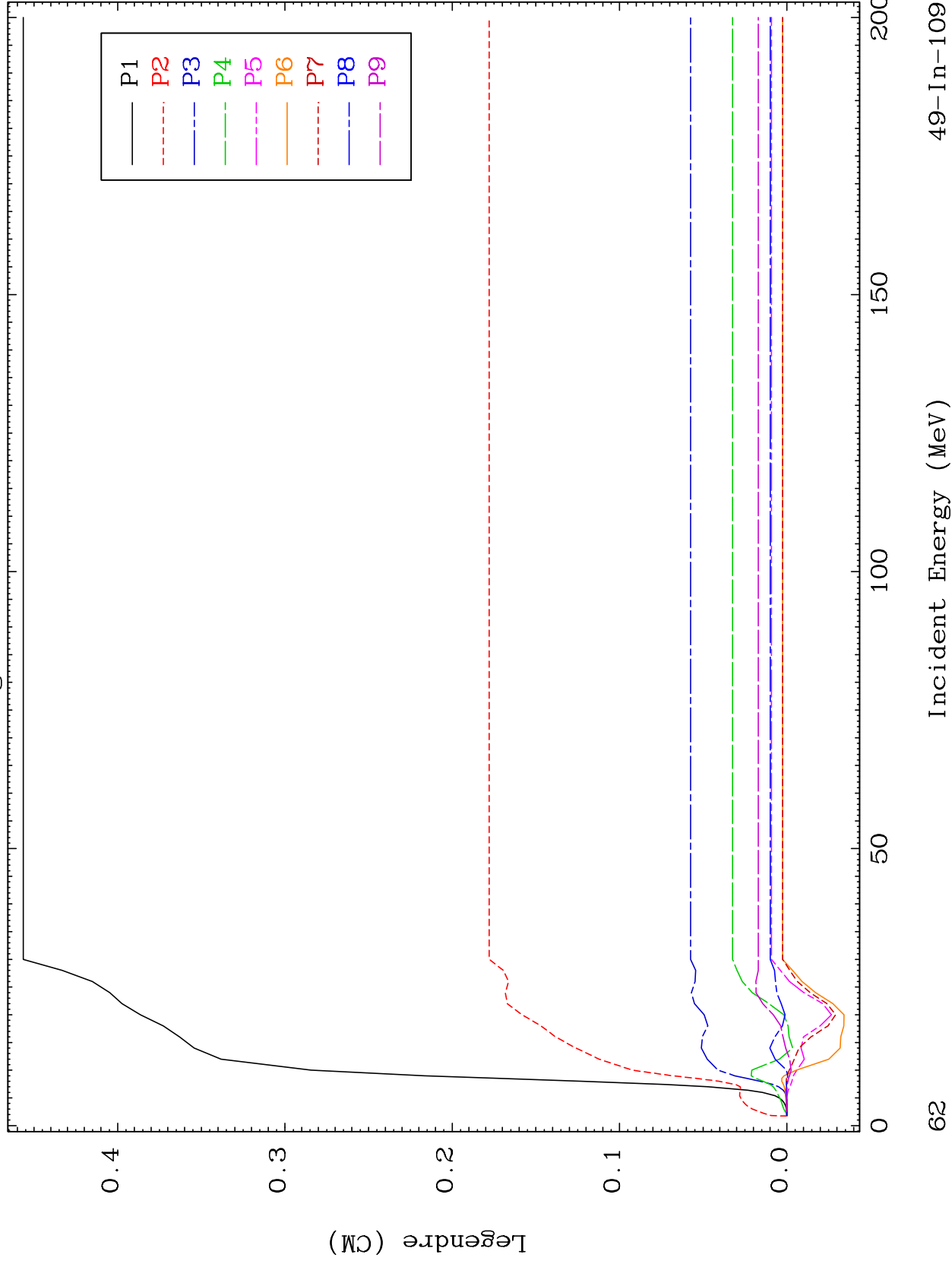
Incident Energy (MeV)

49-In-109

MAT 4913

1.713 MeV (n,n') Level
Legendre Coefficients

49-In-109



49-In-109

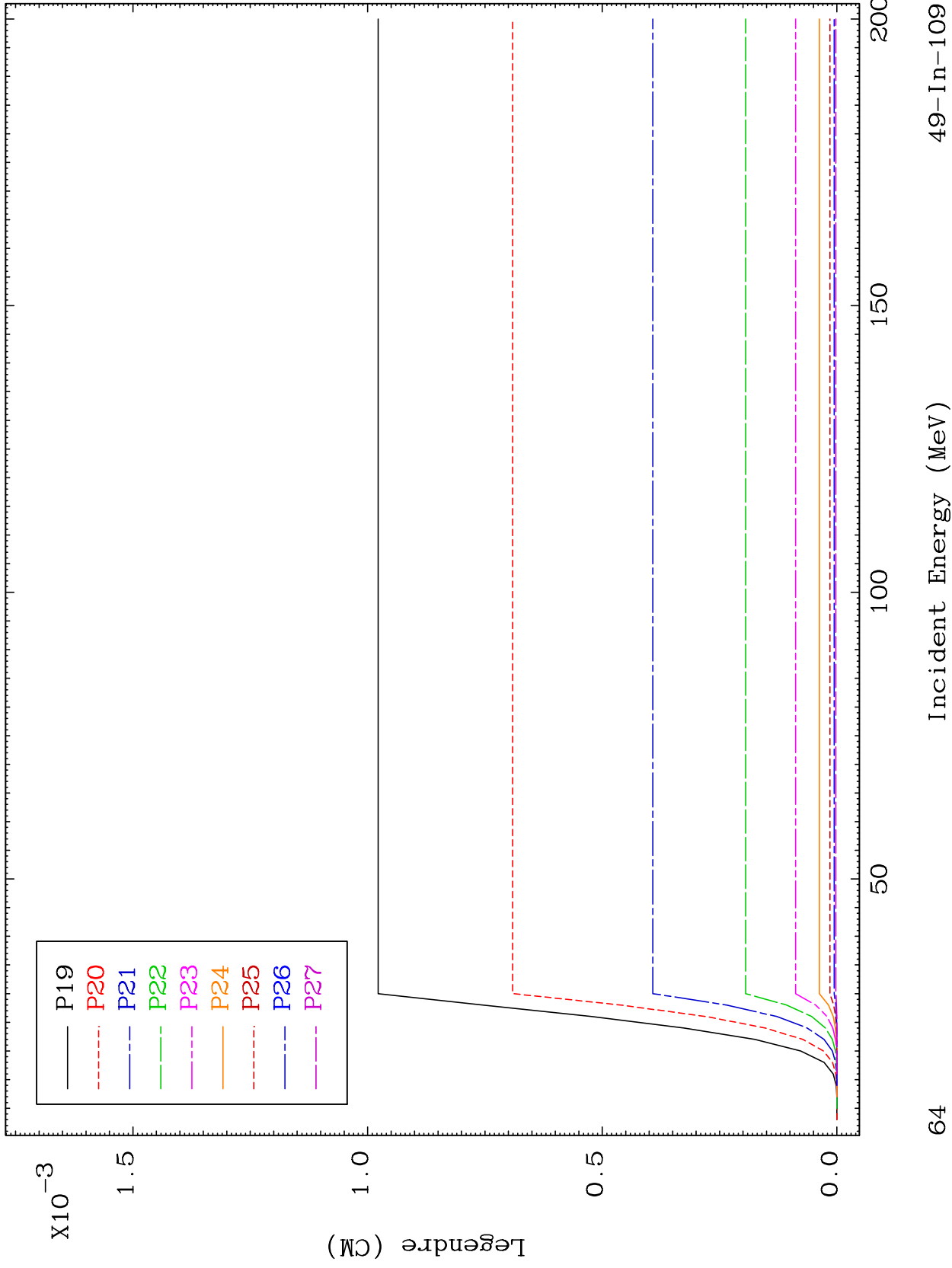
Incident Energy (MeV)

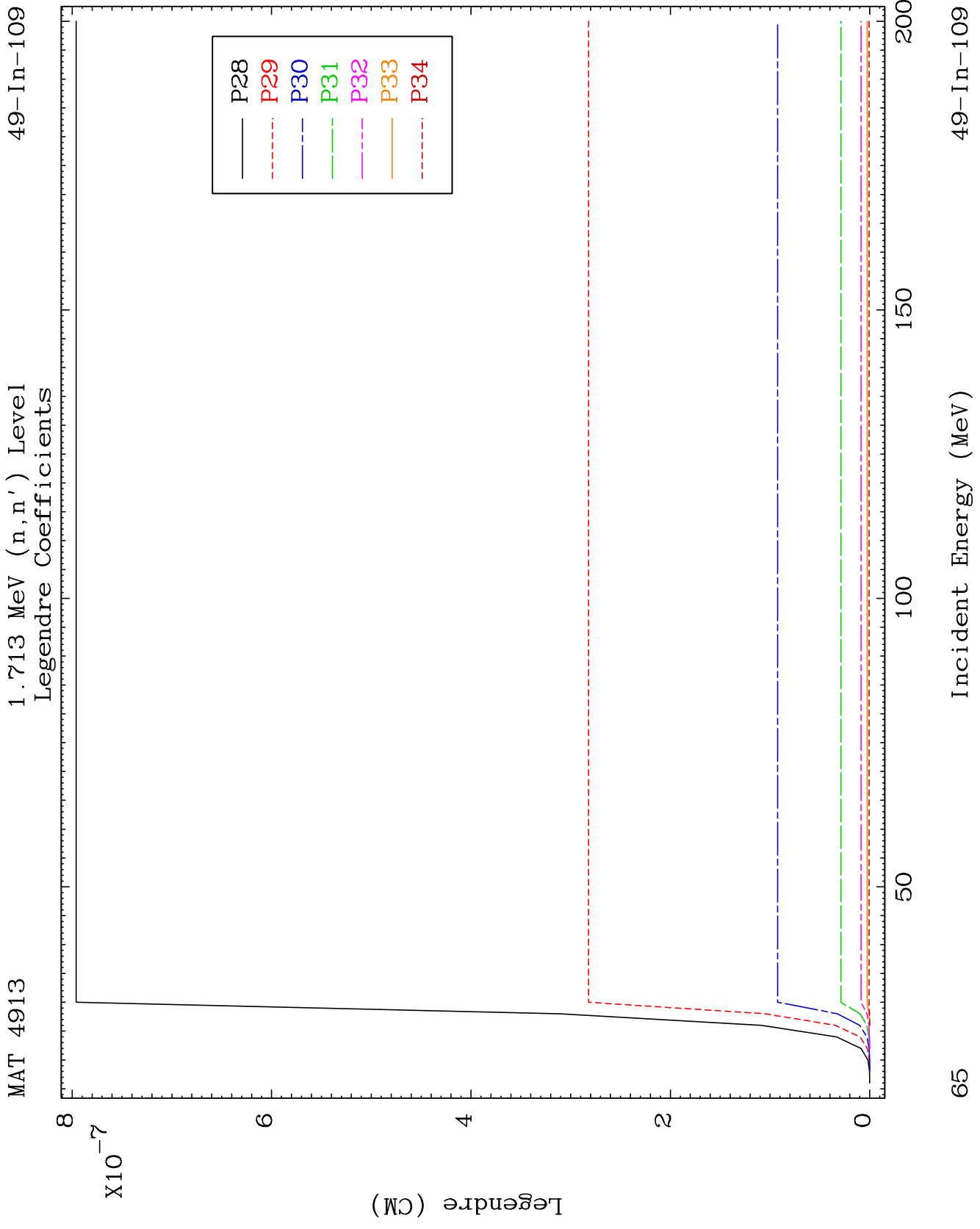
62

MAT 4913

1.713 MeV (n,n') Level
Legendre Coefficients

49-In-109

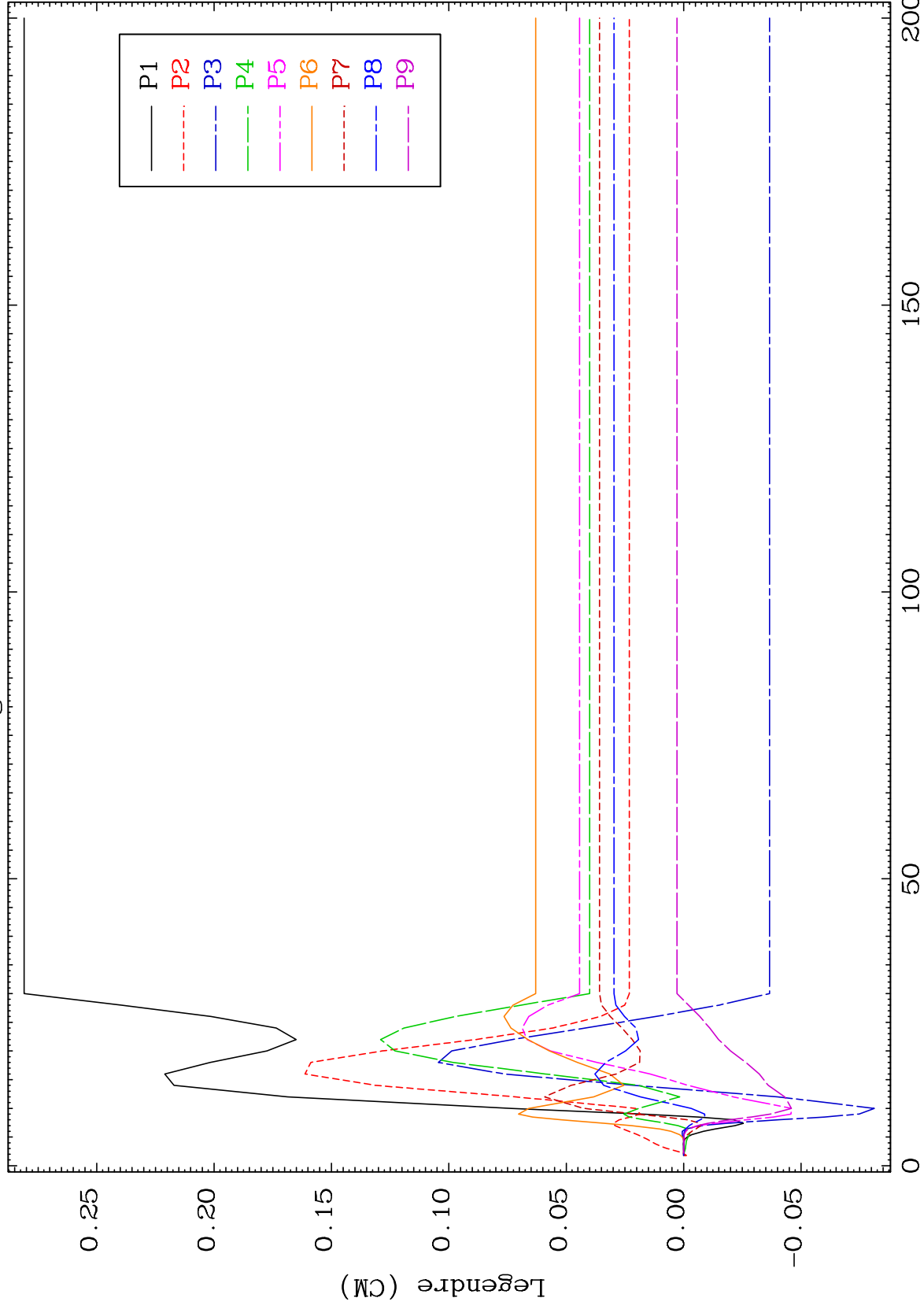




MAT 4913

1.722 MeV (n,n') Level
Legendre Coefficients

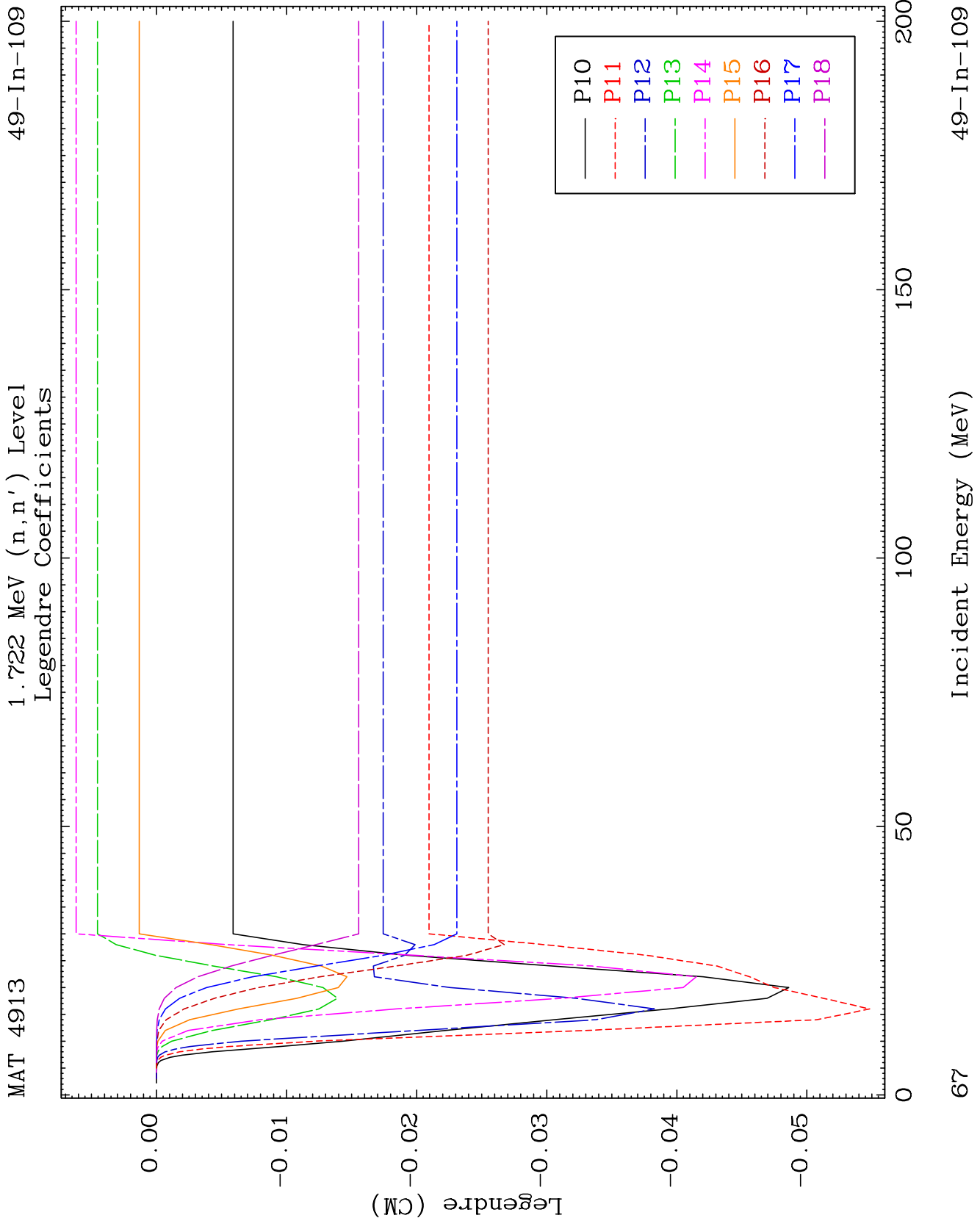
49-In-109

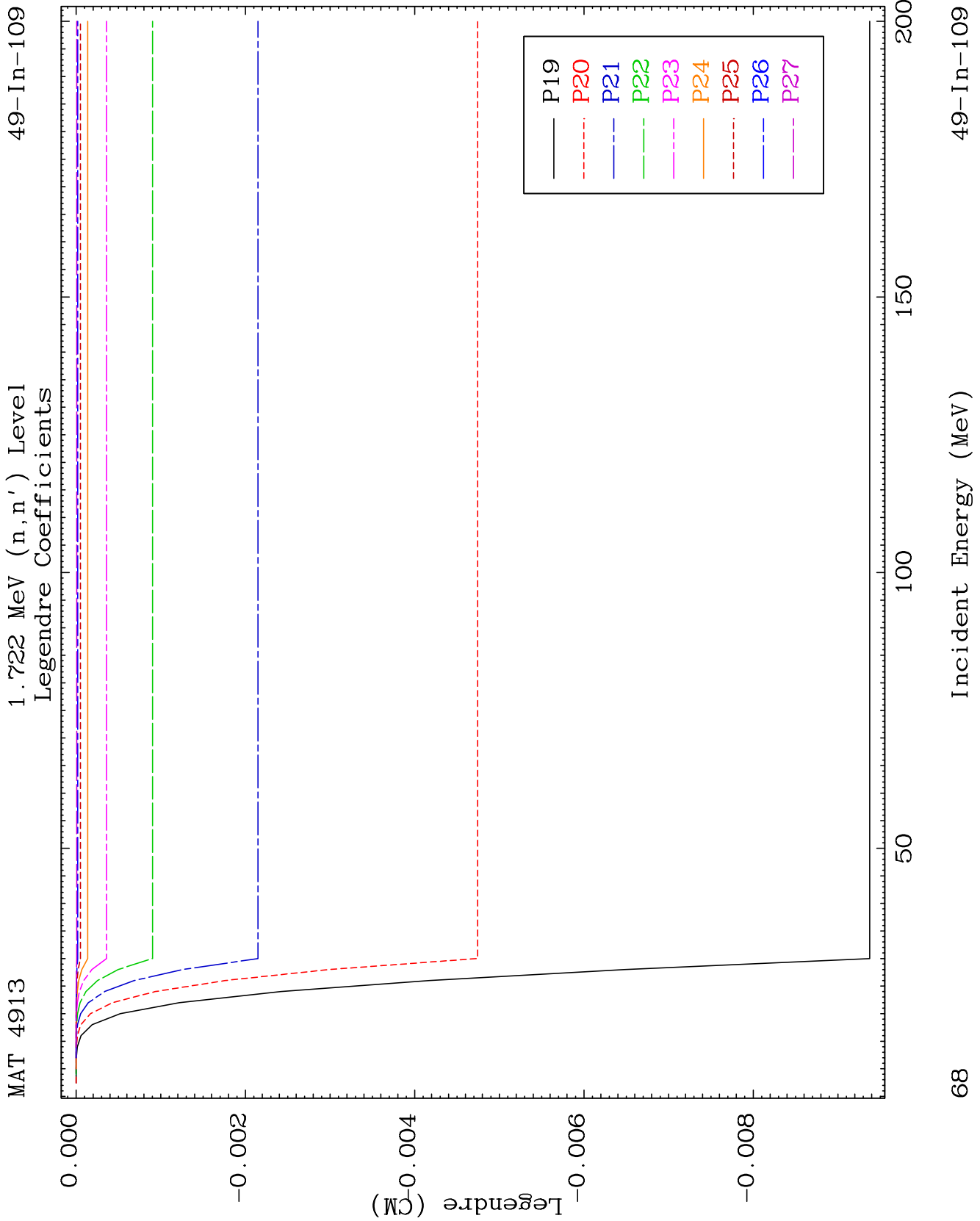


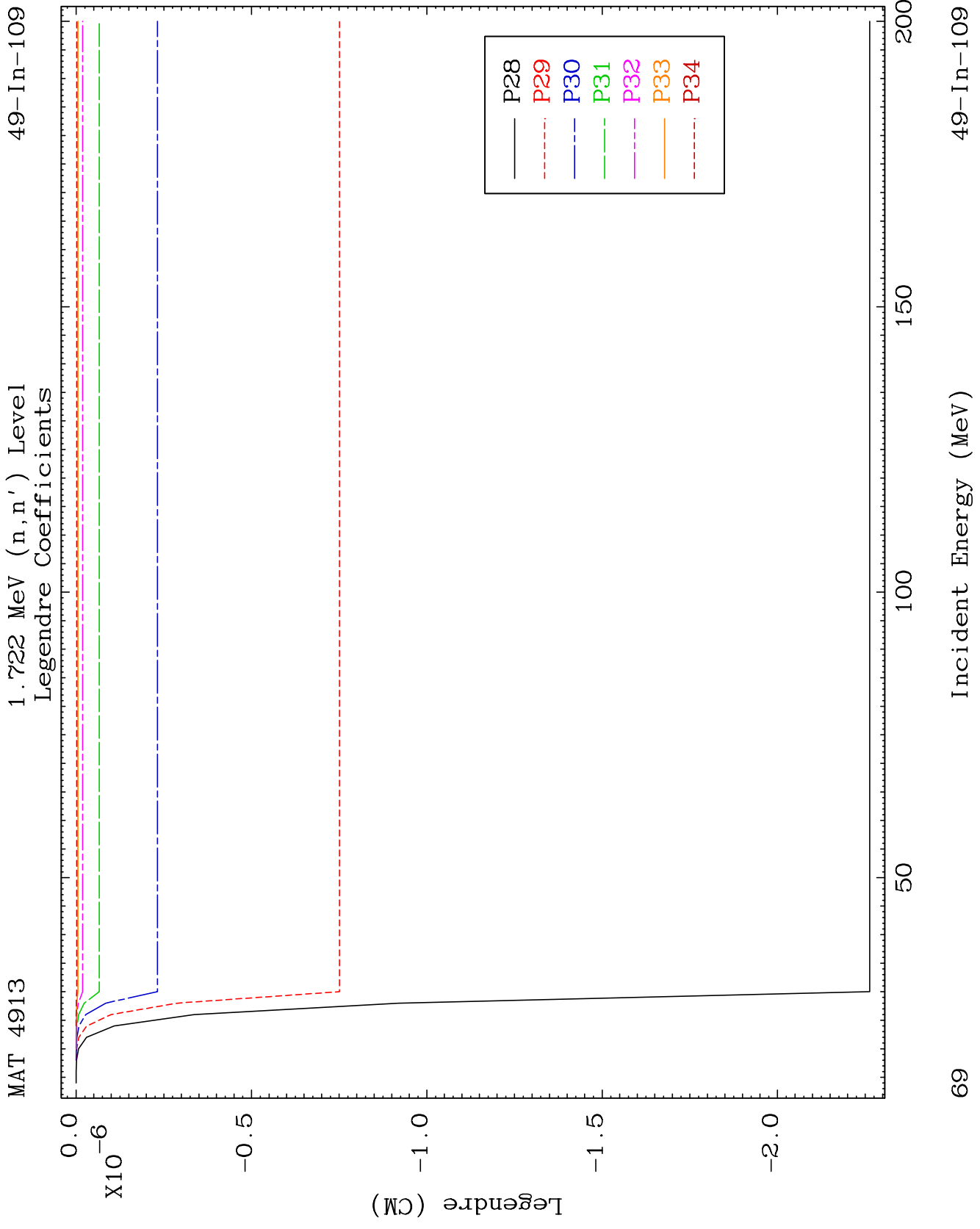
66

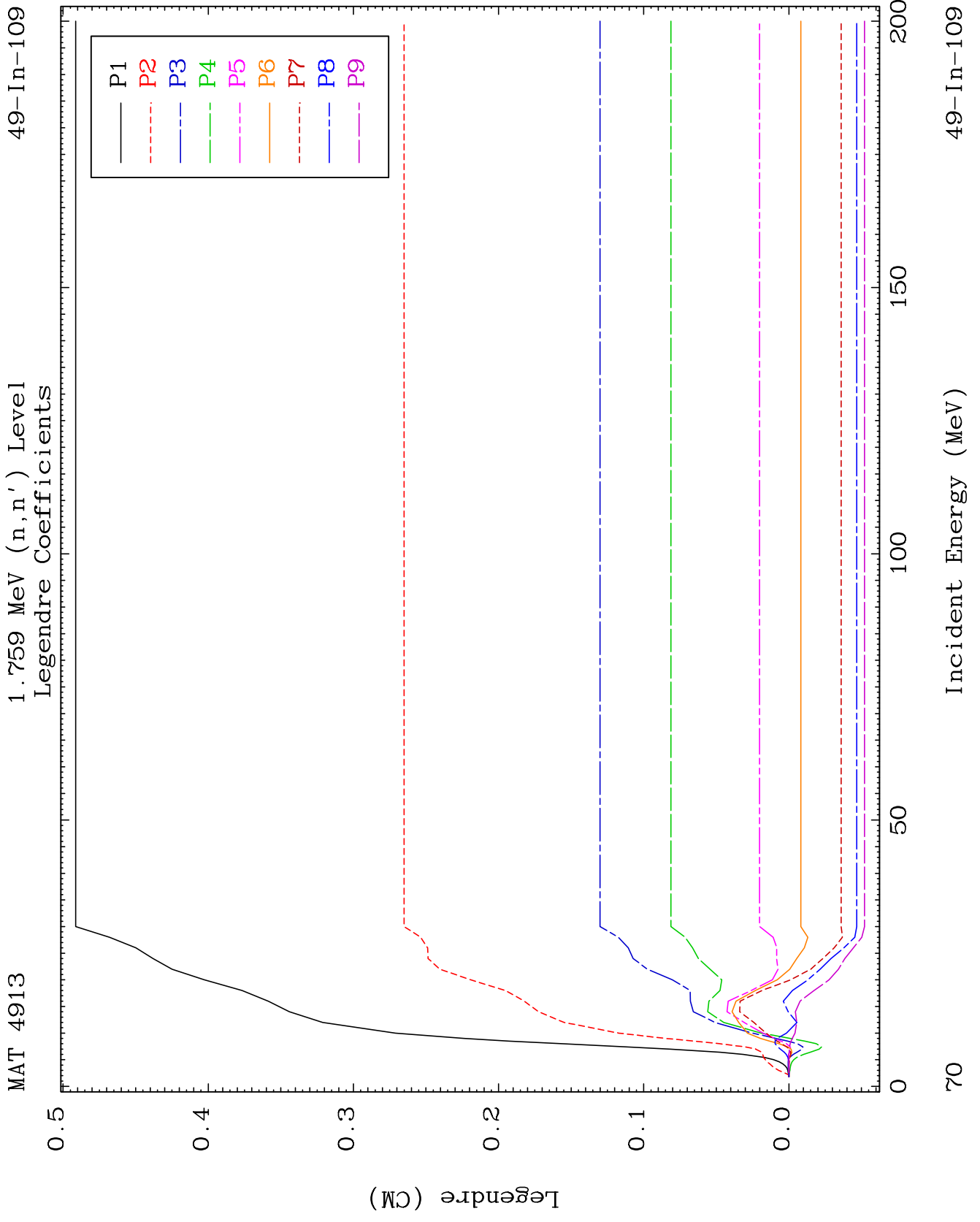
Incident Energy (MeV)

49-In-109





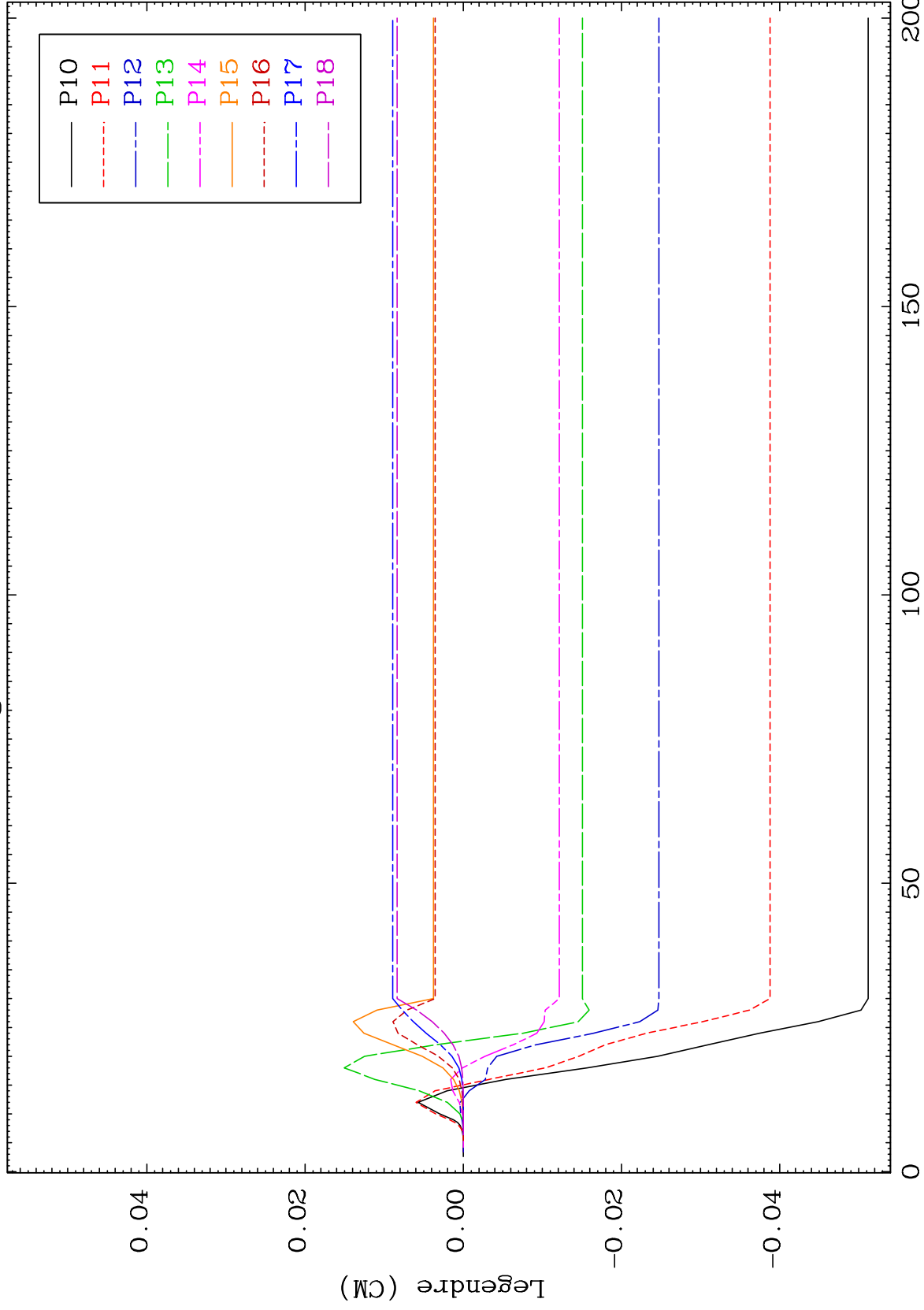




MAT 4913

1.759 MeV (n,n') Level
Legendre Coefficients

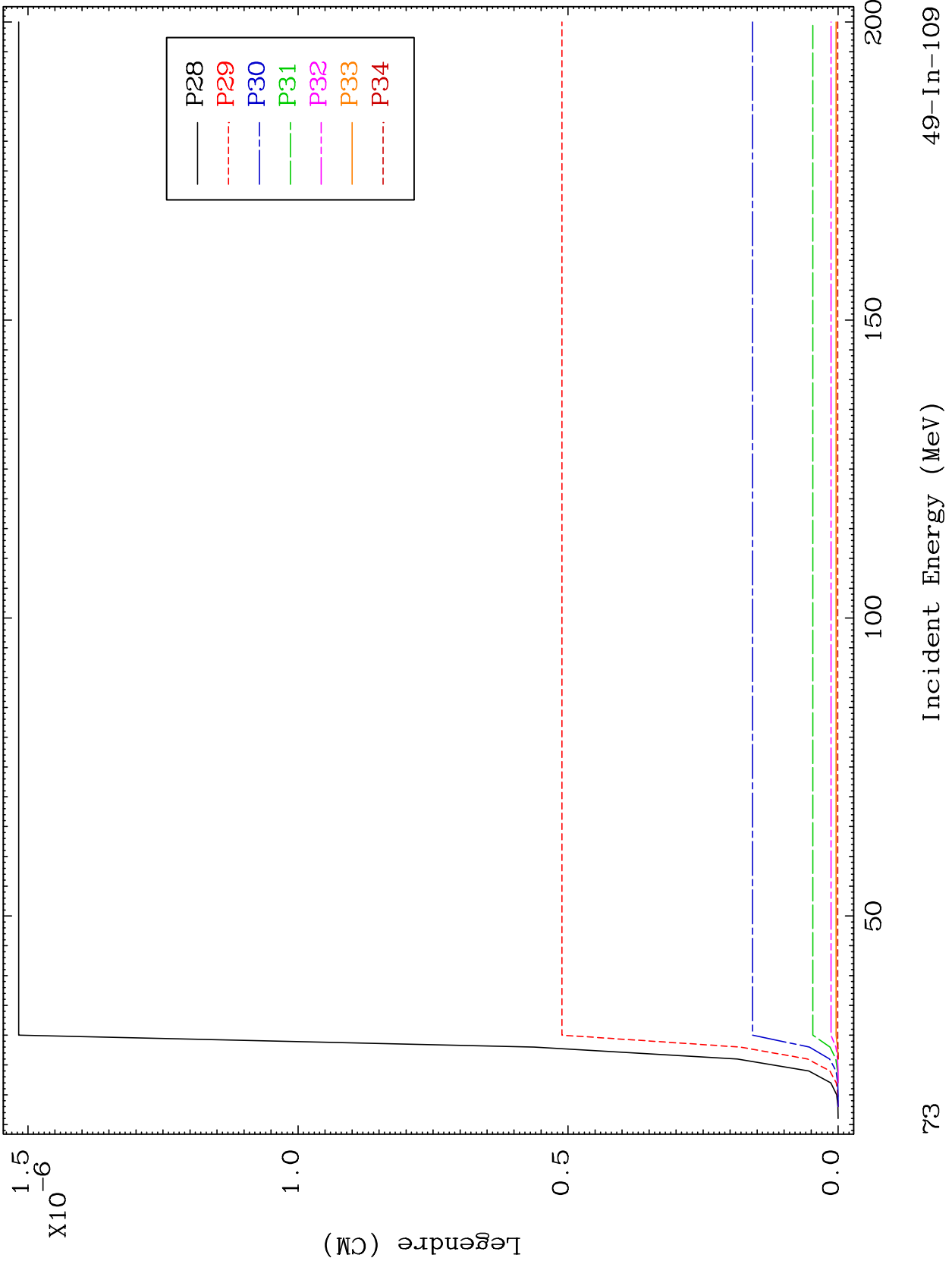
49-In-109



71

Incident Energy (MeV)

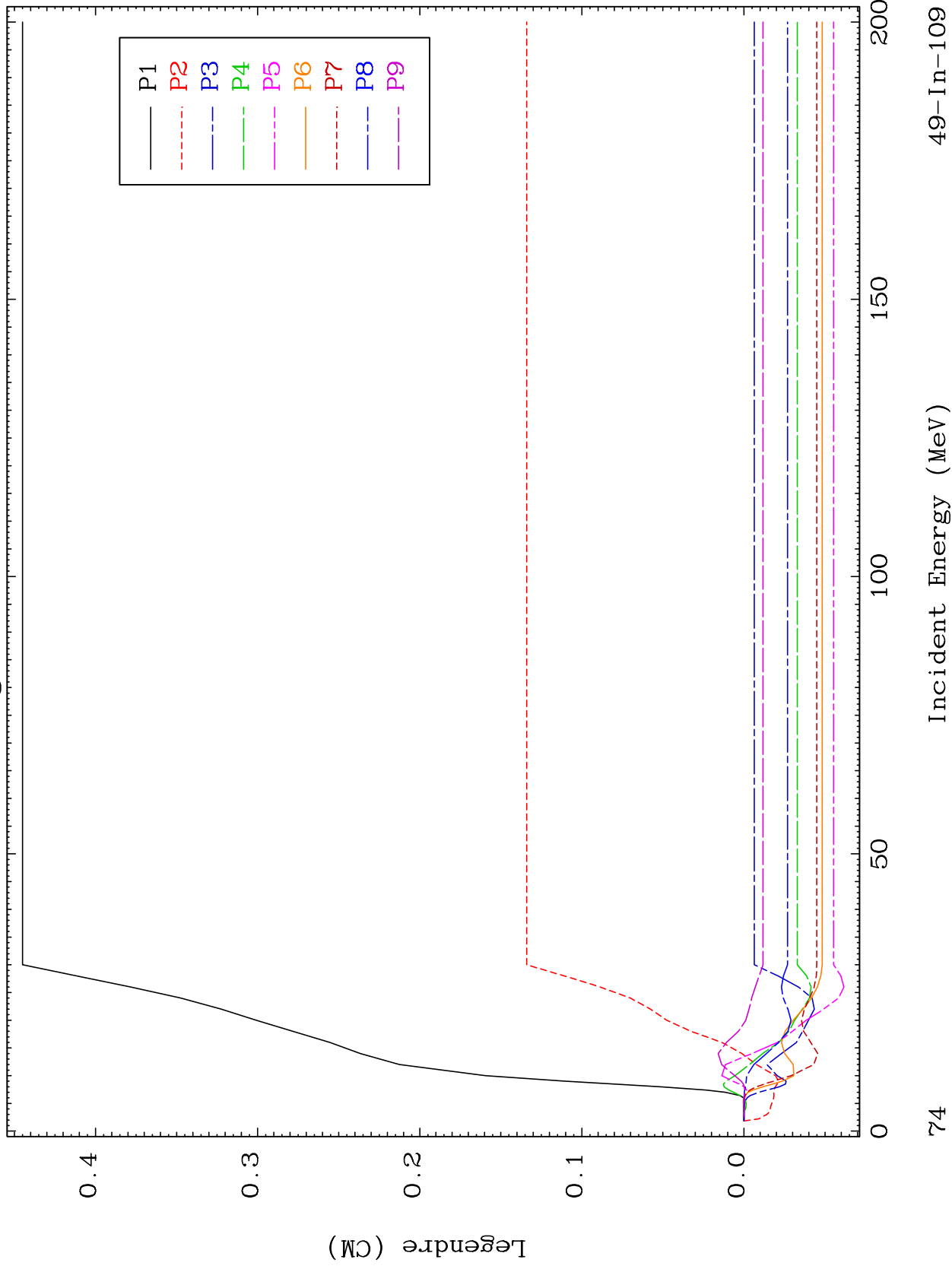
49-In-109



MAT 4913

1.817 MeV (n,n') Level
Legendre Coefficients

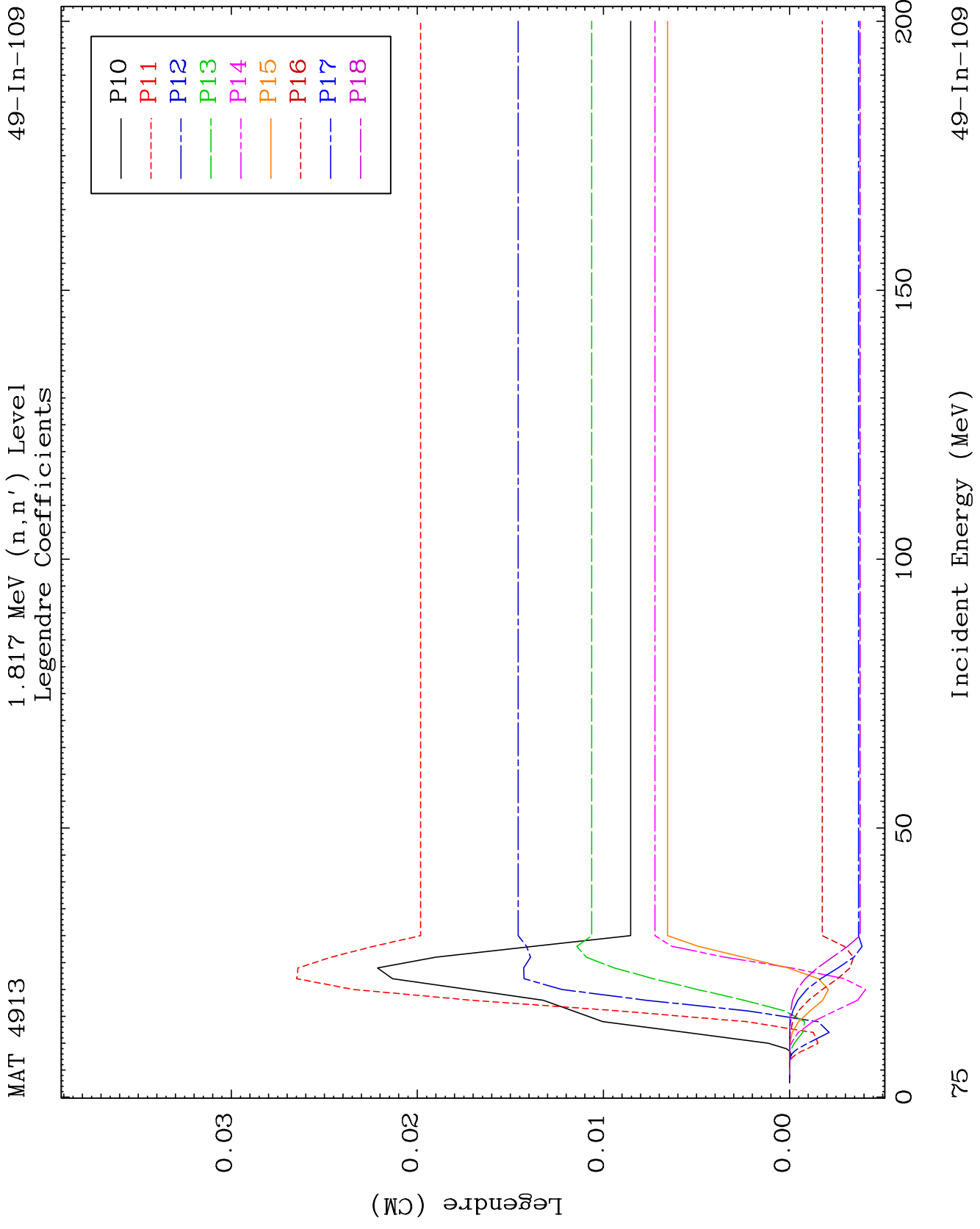
49-In-109

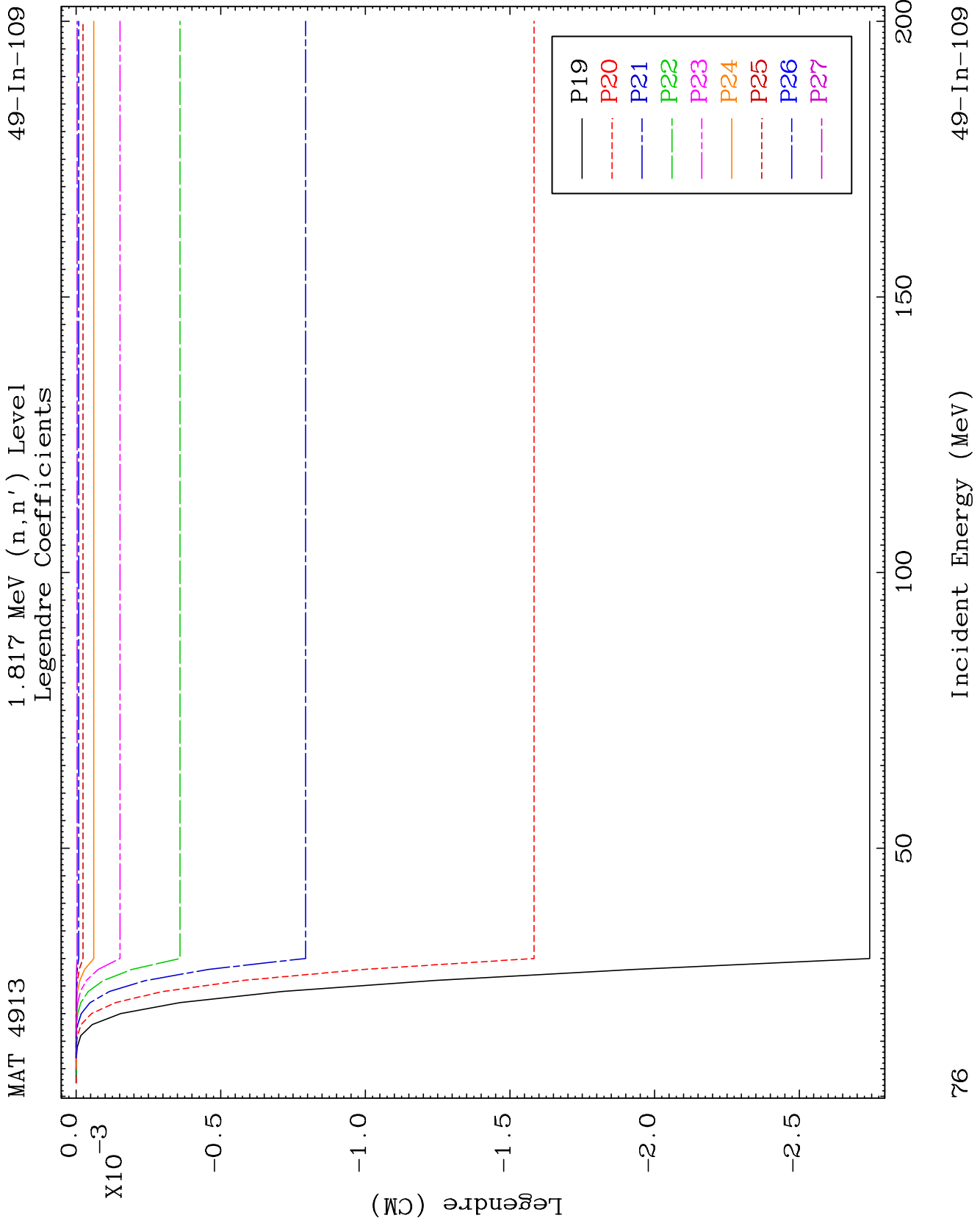


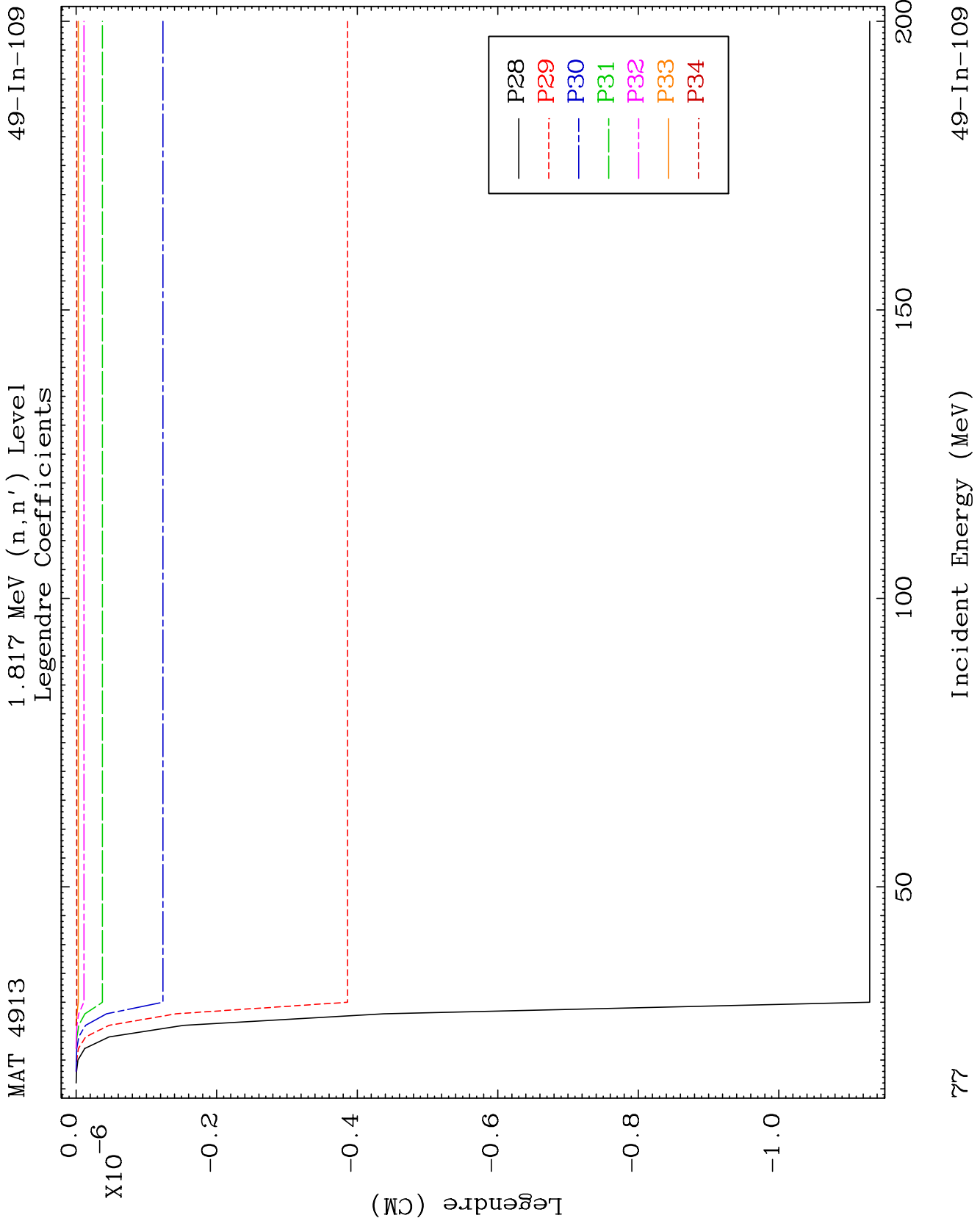
74

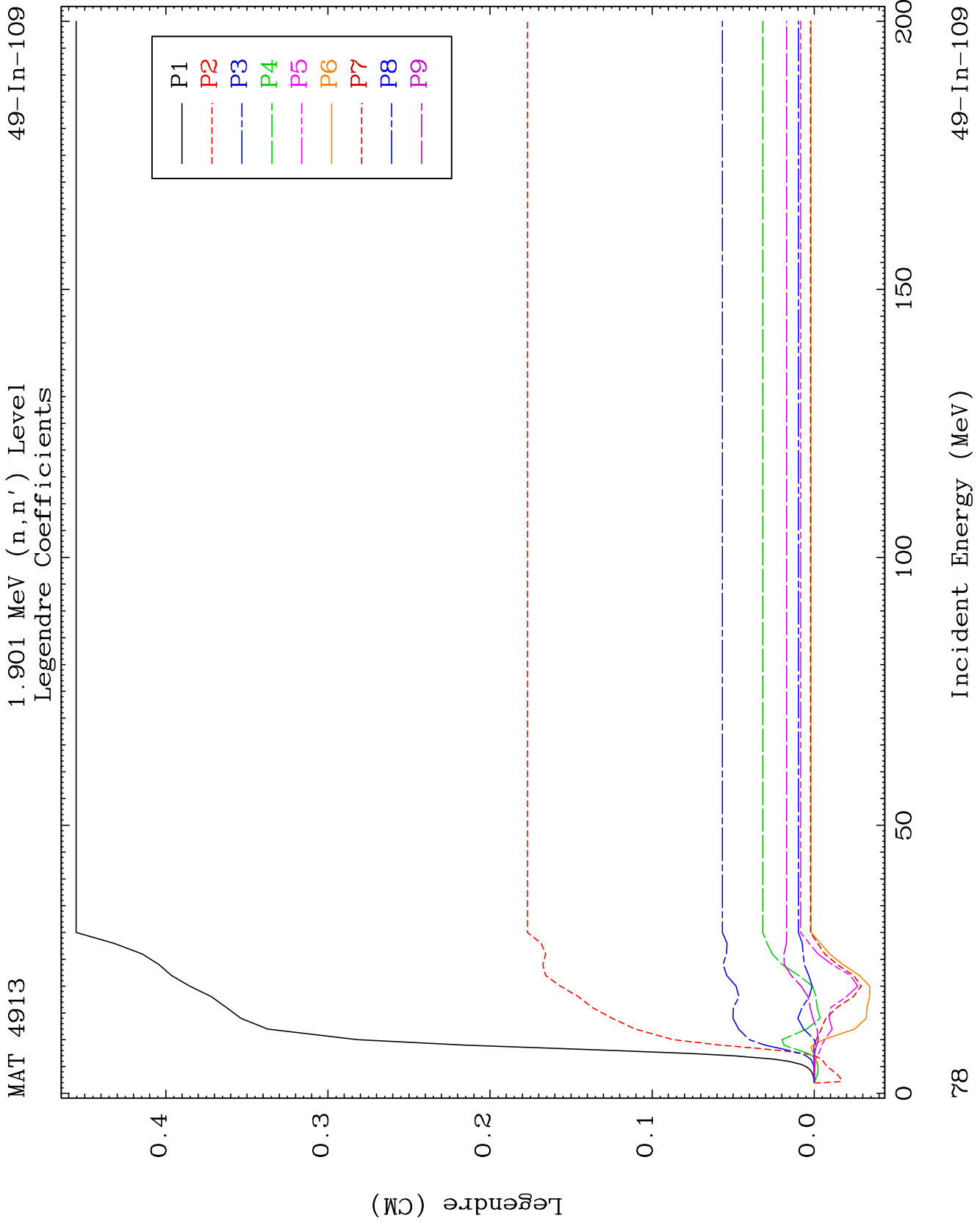
Incident Energy (MeV)

49-In-109





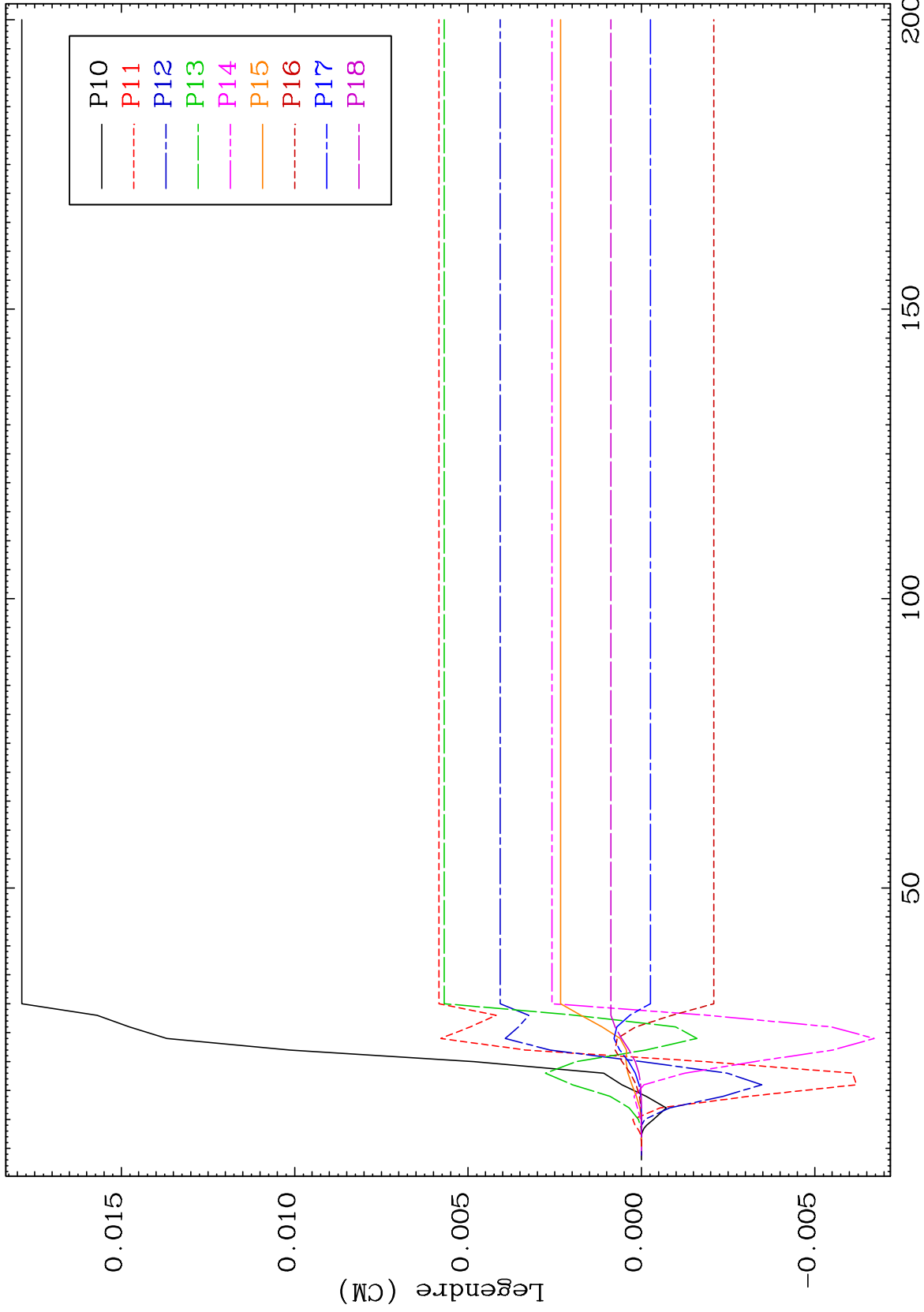




MAT 4913

1.901 MeV (n,n') Level
Legendre Coefficients

49-In-109



79

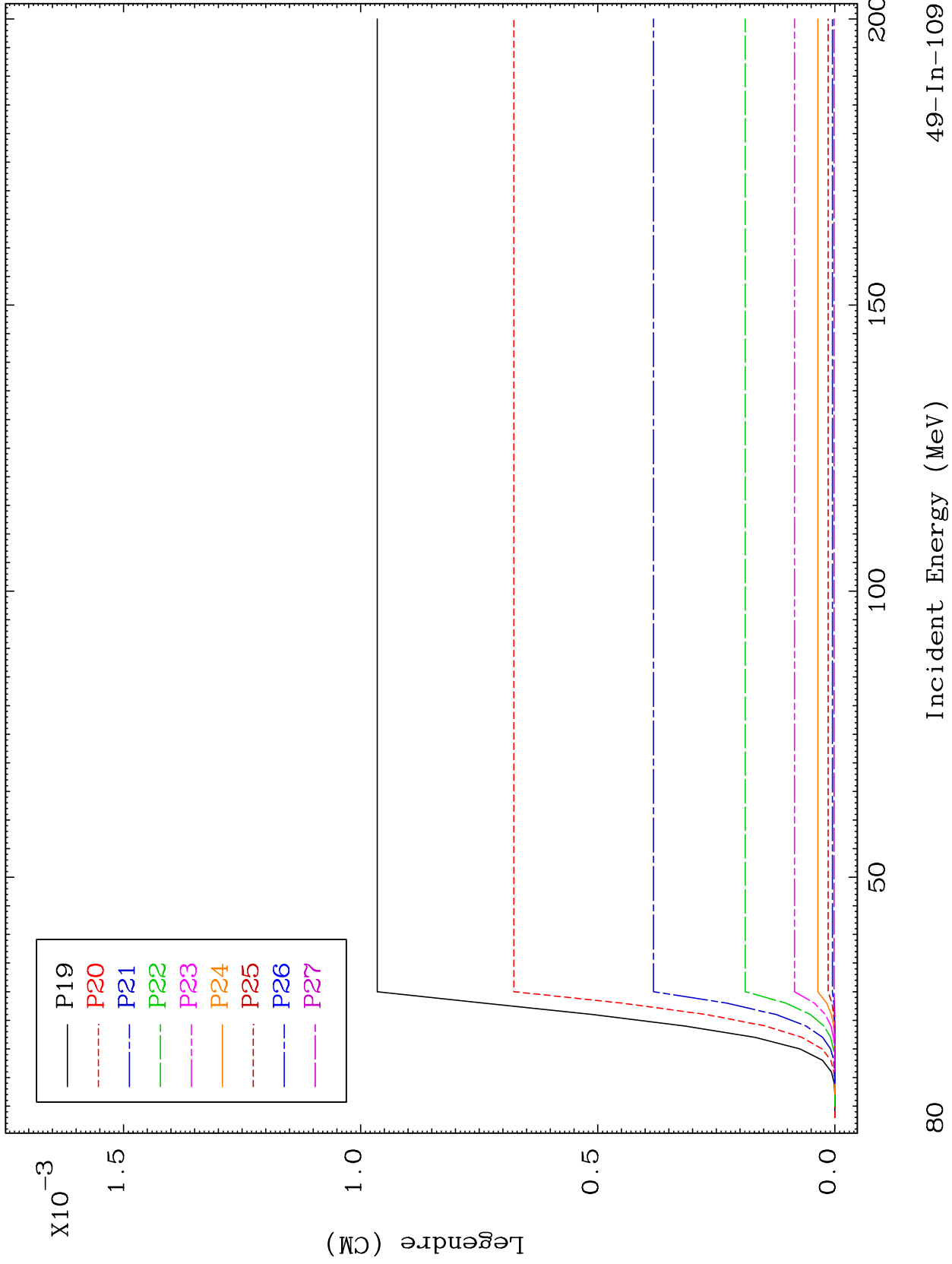
Incident Energy (MeV)

49-In-109

MAT 4913

1.901 MeV (n,n') Level
Legendre Coefficients

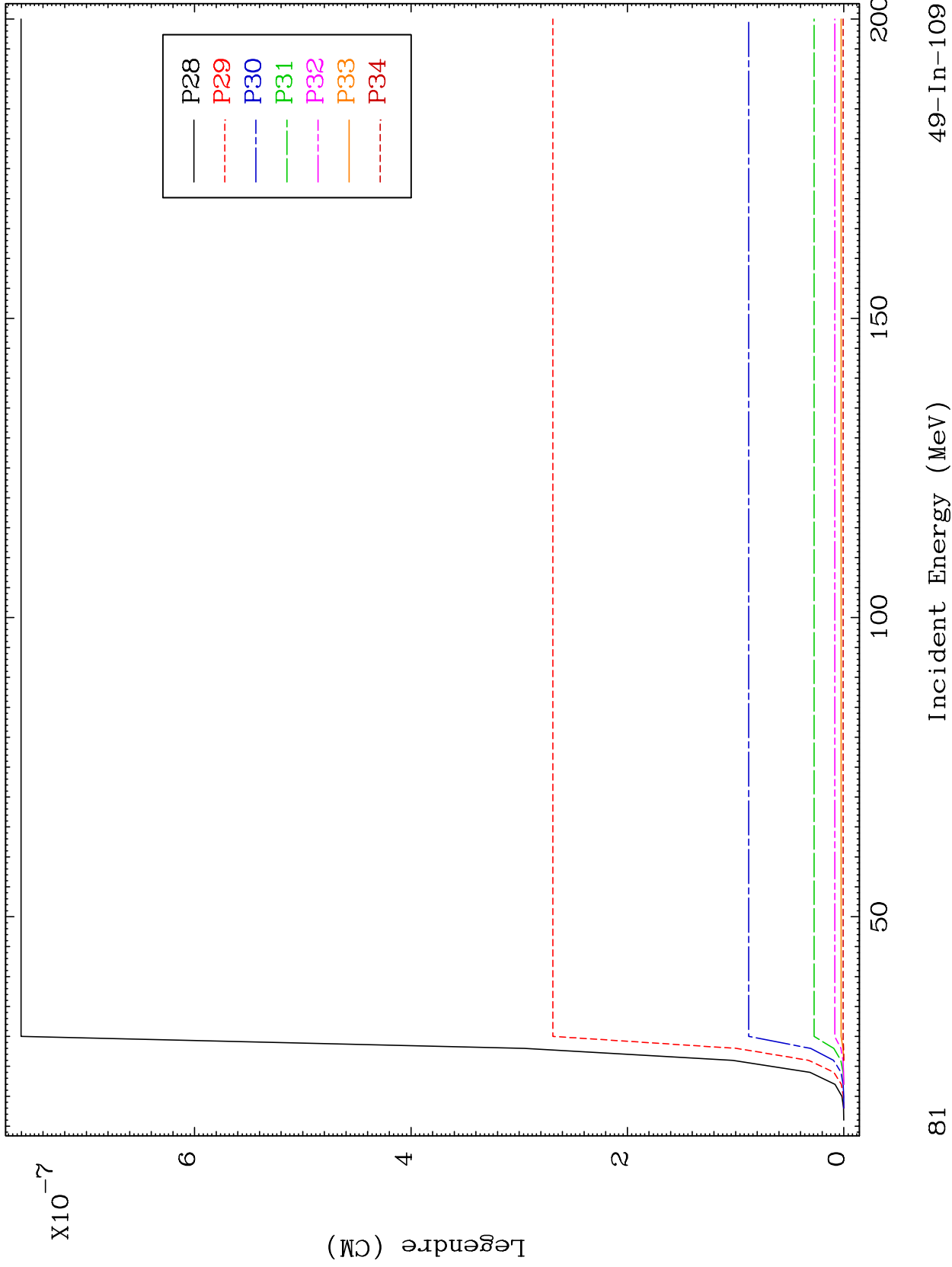
49-In-109



MAT 4913

1.901 MeV (n,n') Level
Legendre Coefficients

49-In-109



81

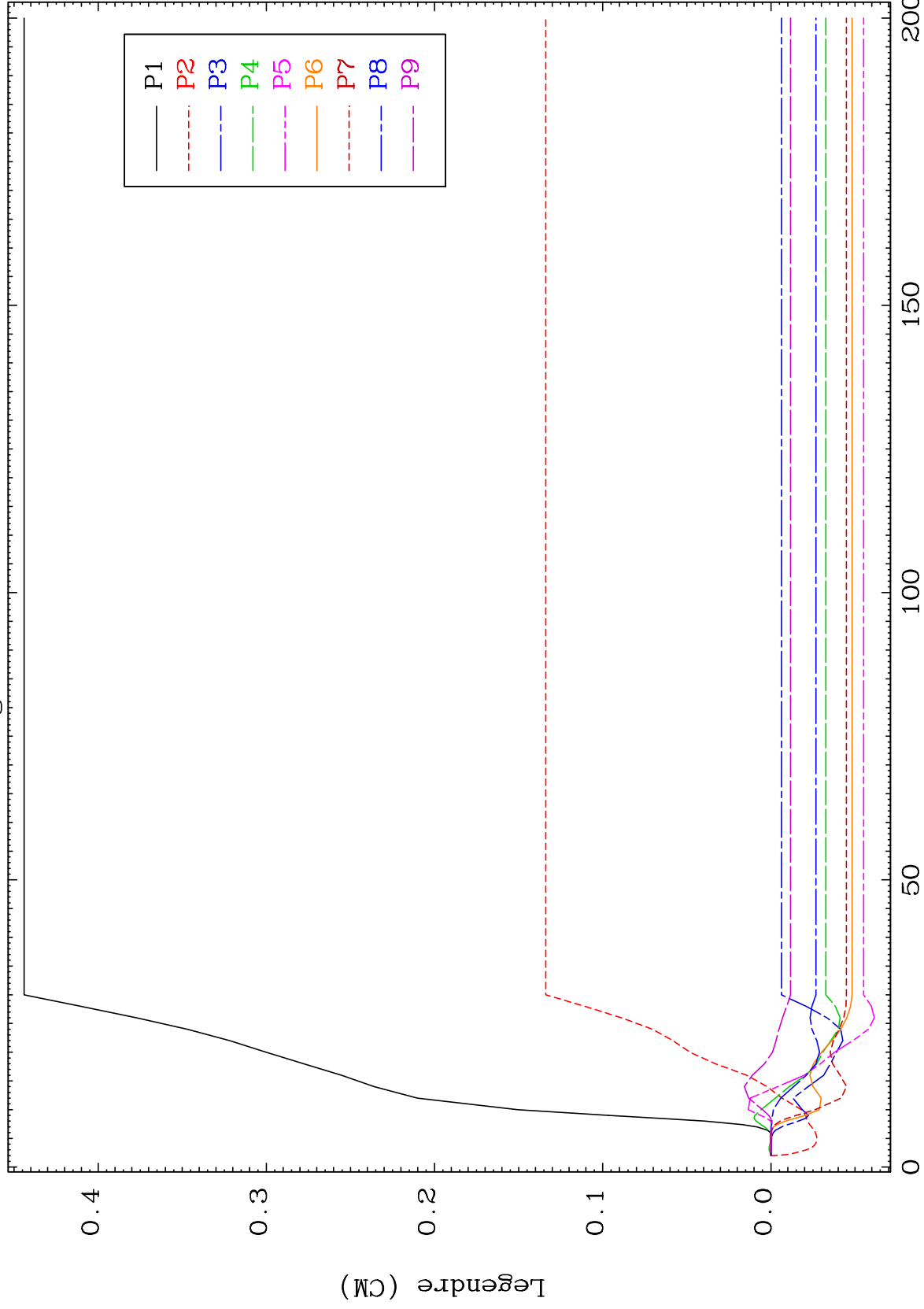
Incident Energy (MeV)

49-In-109

MAT 4913

1.957 MeV (n,n') Level
Legendre Coefficients

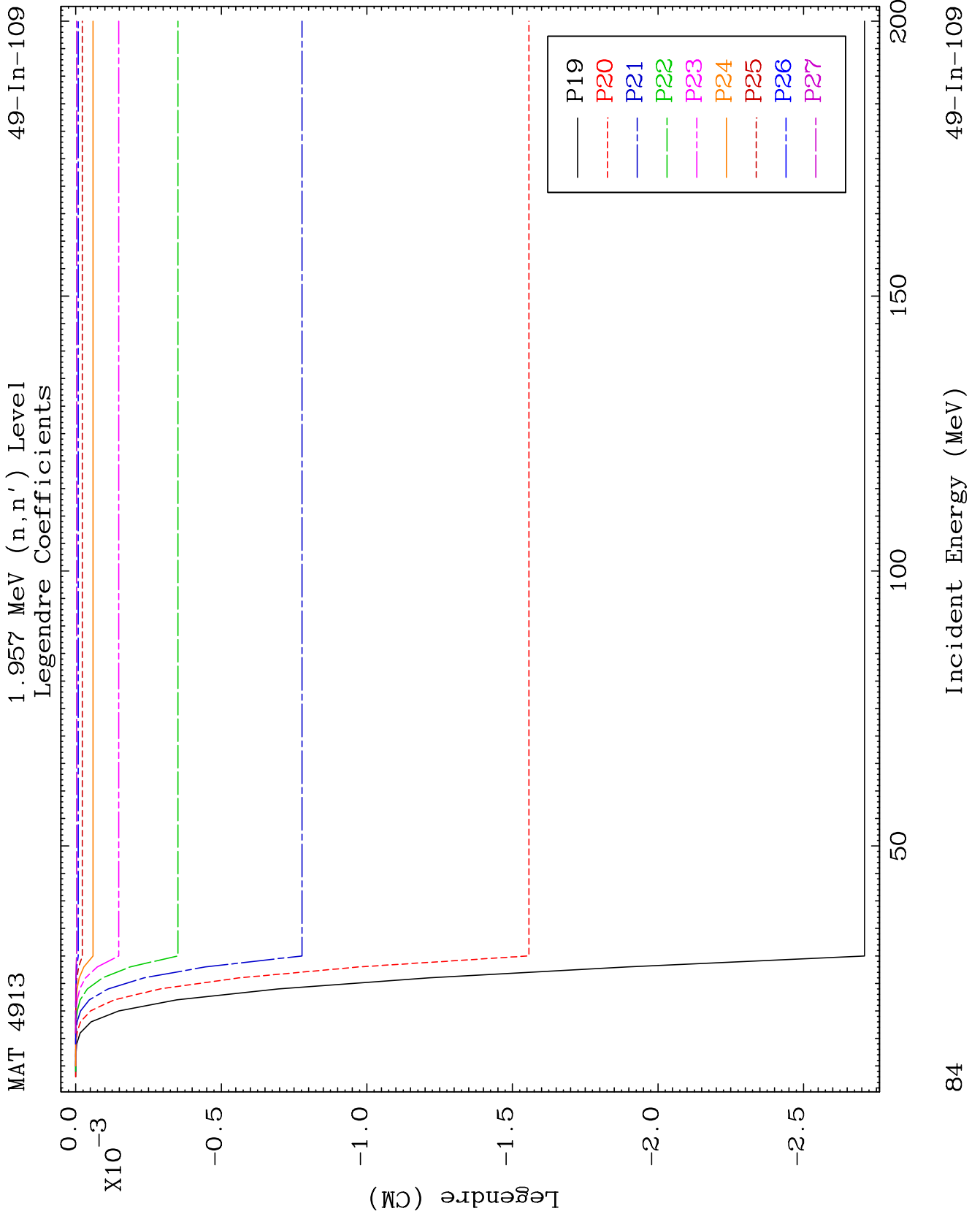
49-In-109

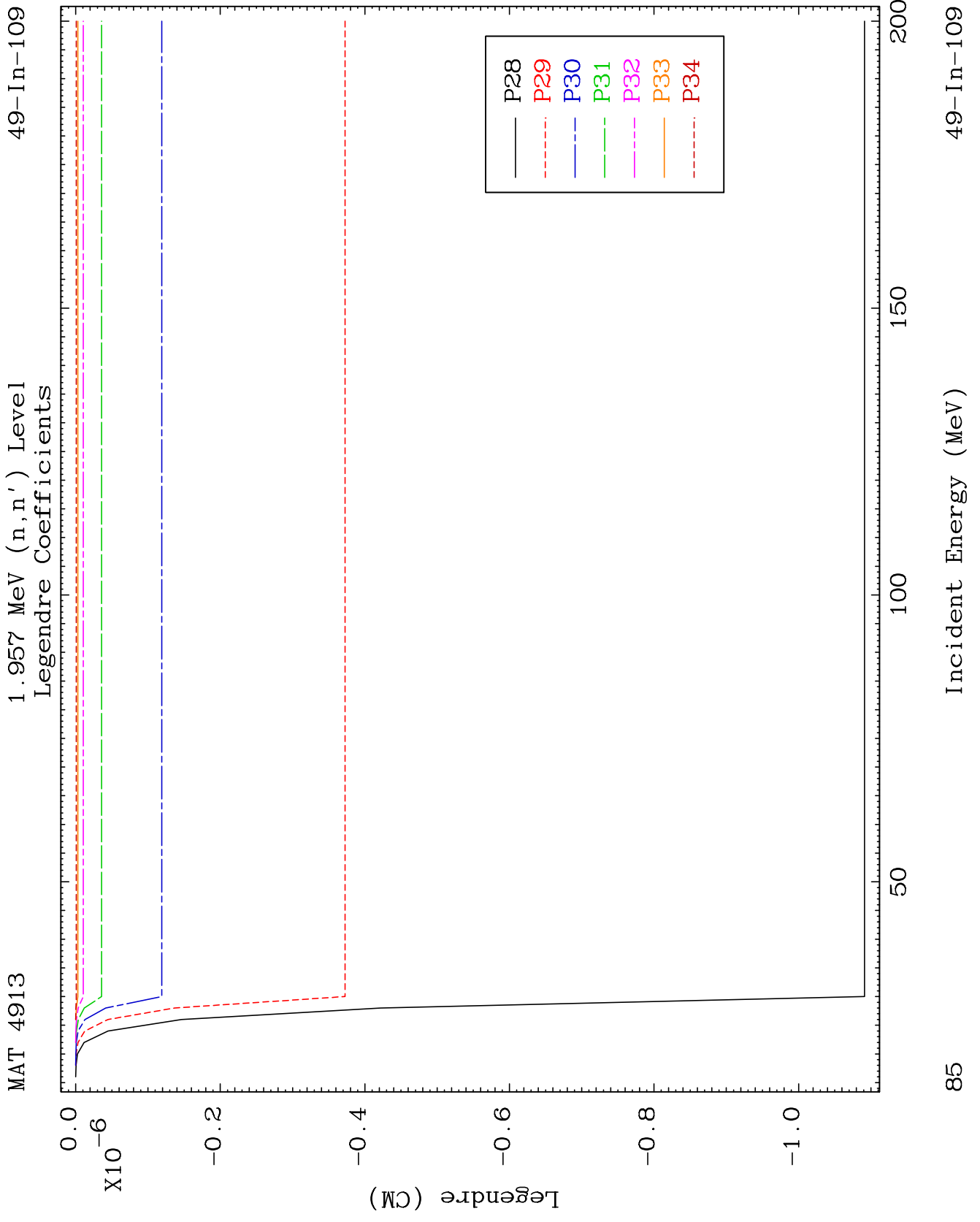


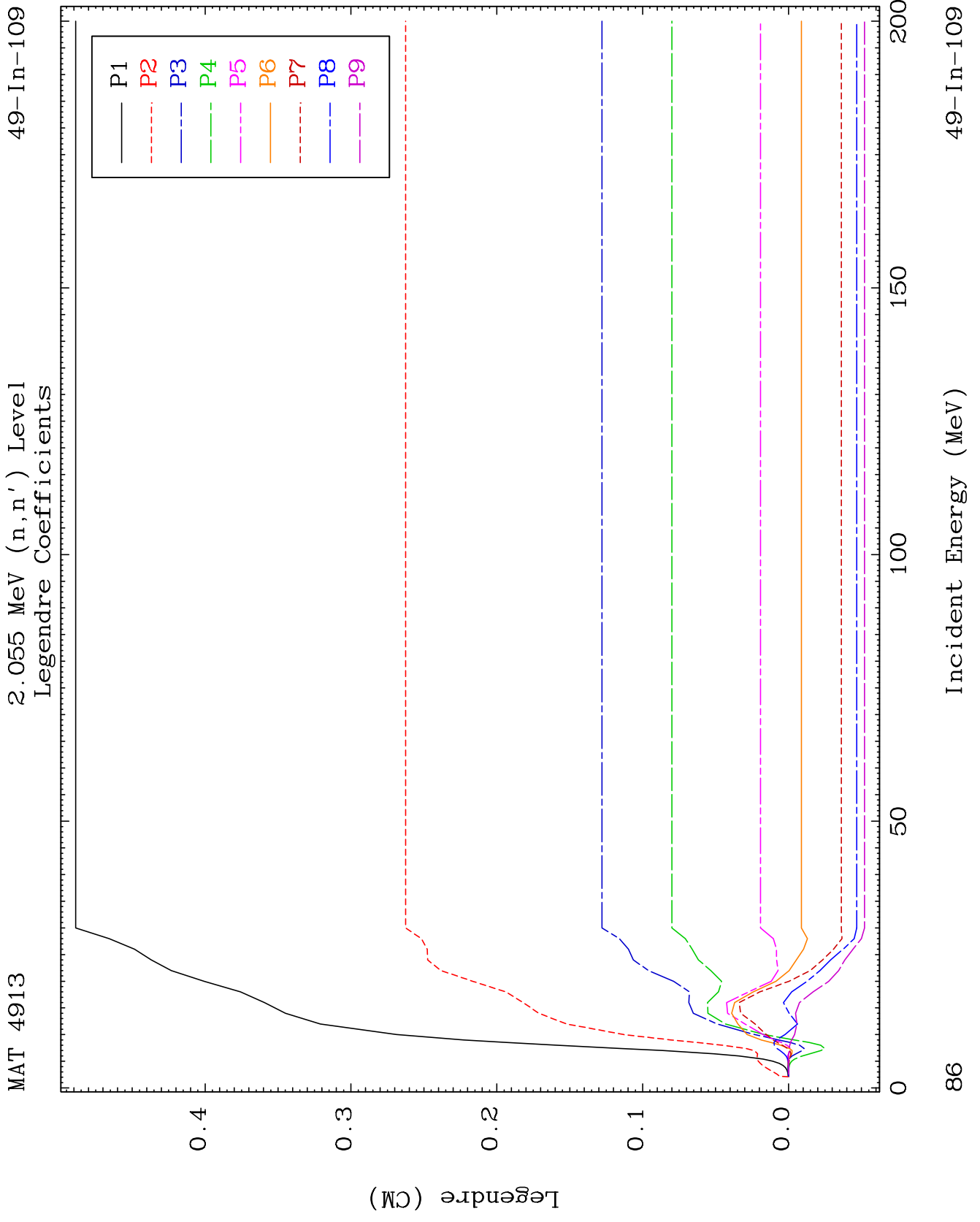
82

Incident Energy (MeV)

49-In-109



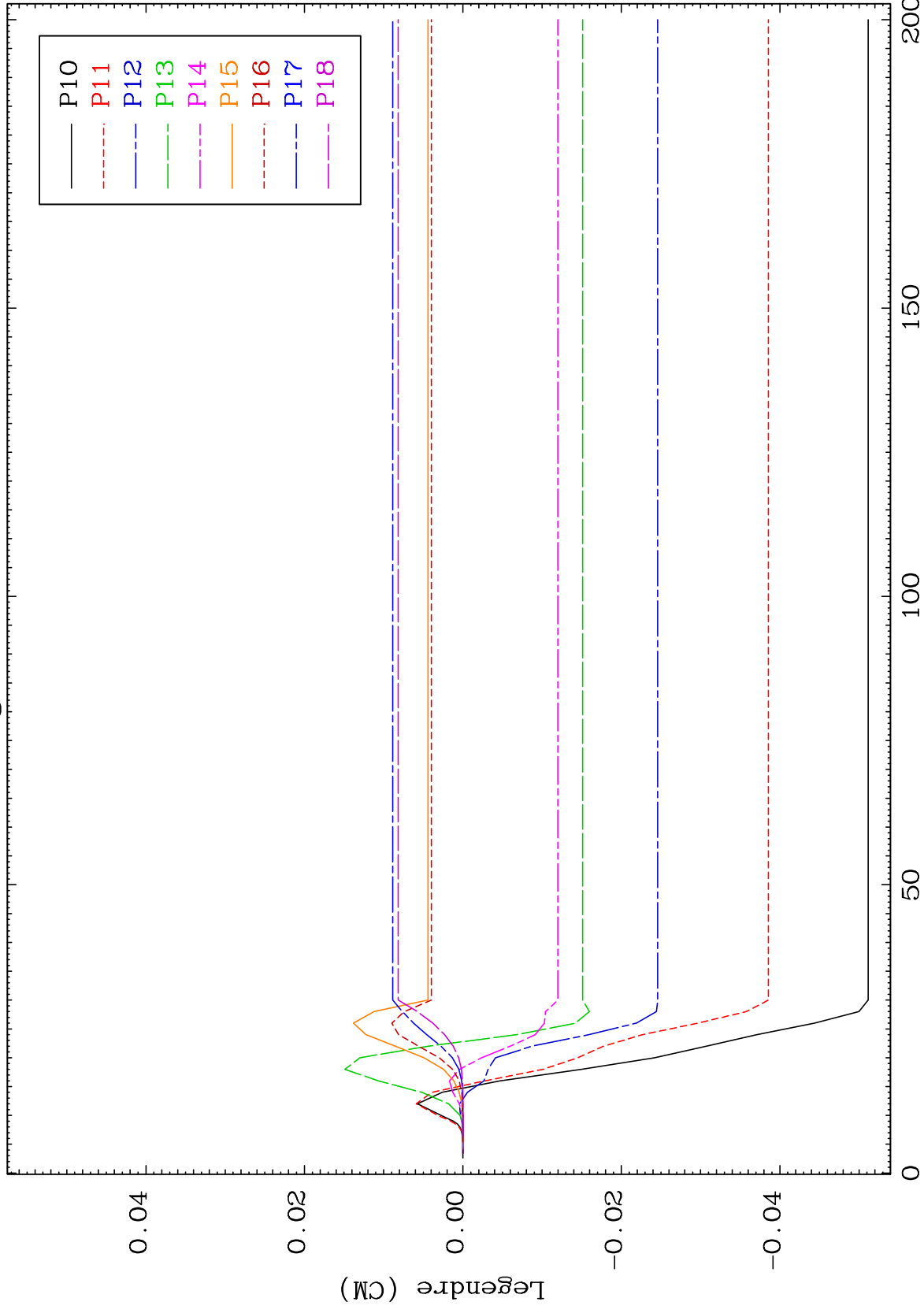




MAT 4913

2.055 MeV (n, n') Level
Legendre Coefficients

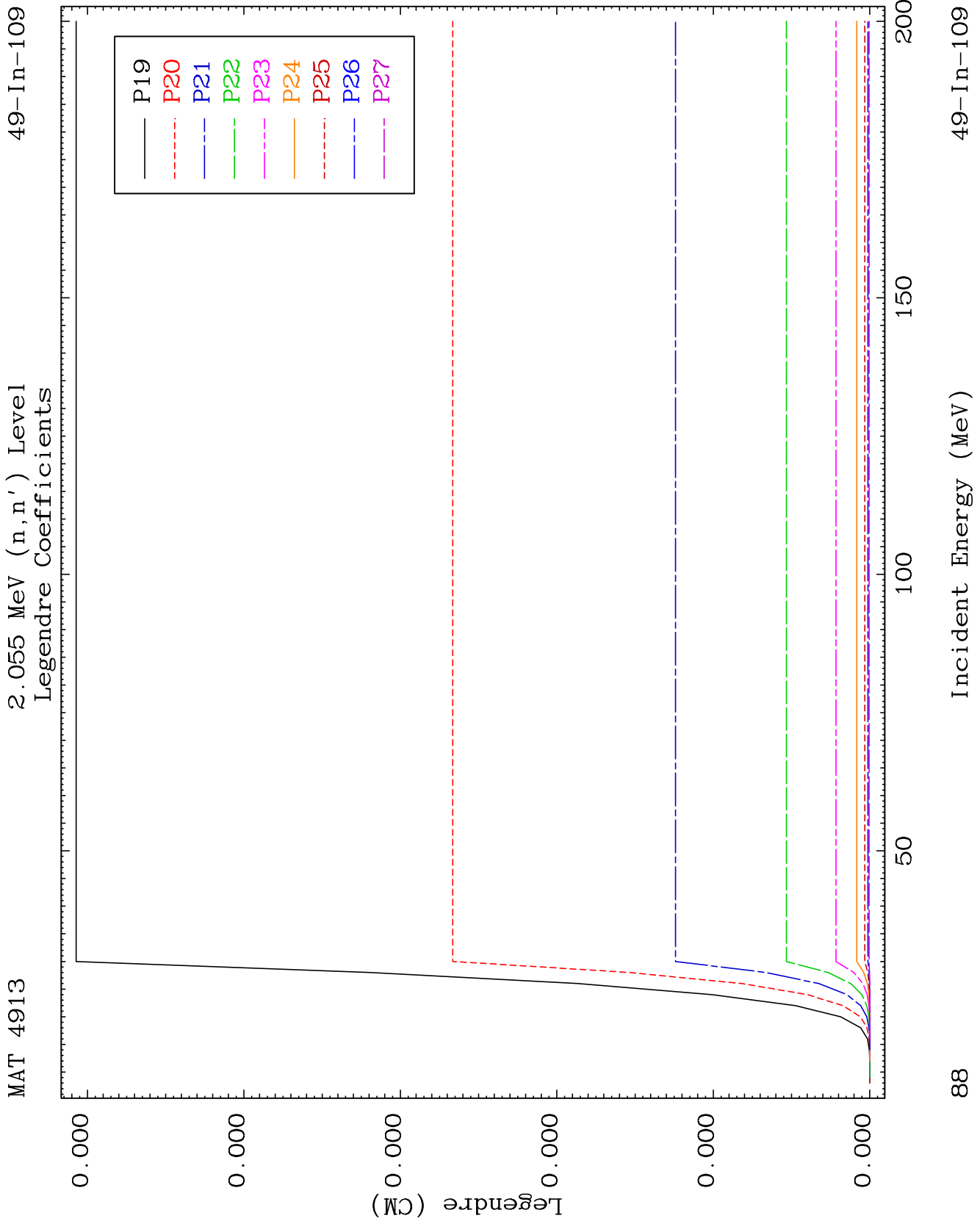
49-In-109



87

Incident Energy (MeV)

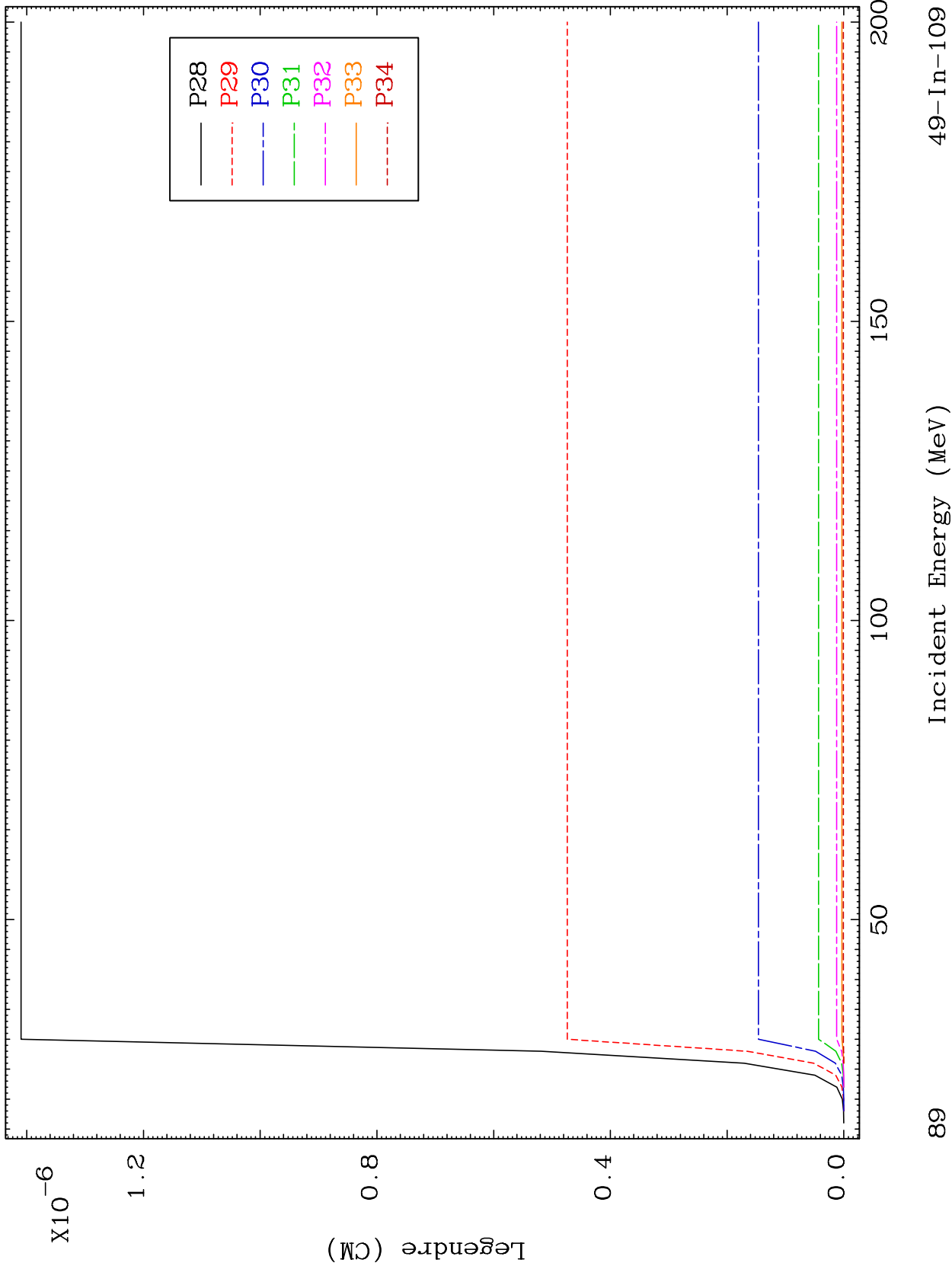
49-In-109



MAT 4913

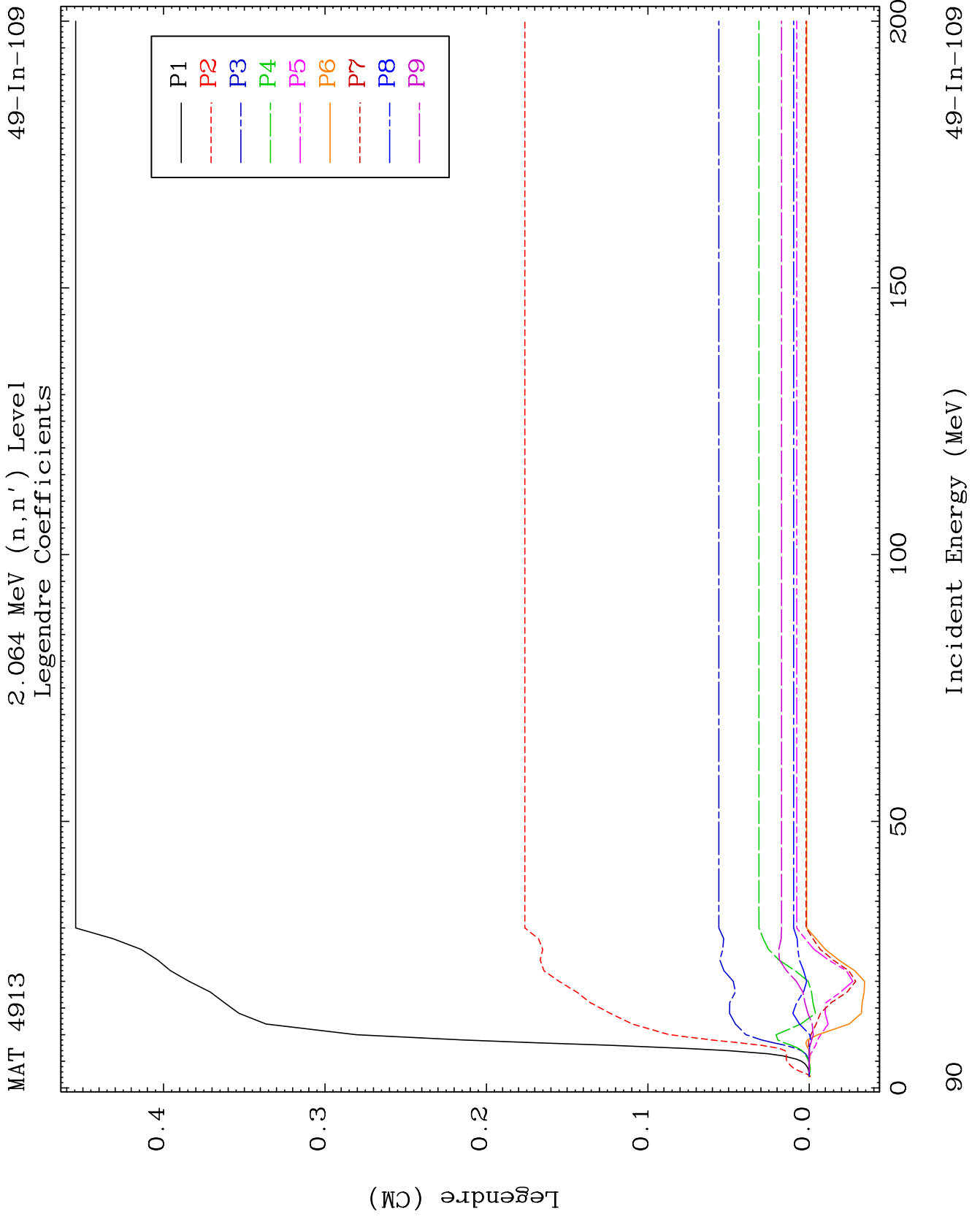
2.055 MeV (n,n') Level
Legendre Coefficients

49-In-109



89

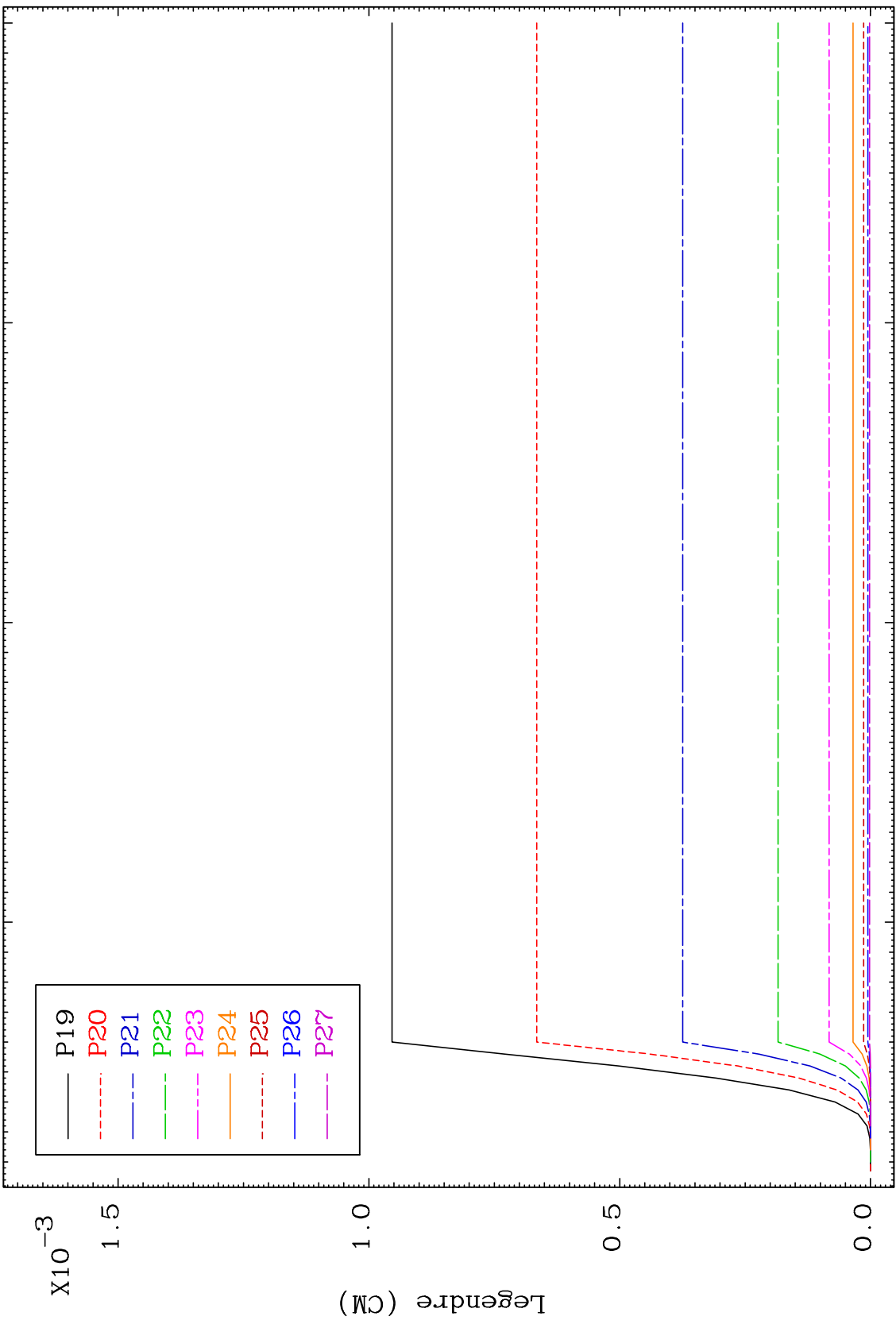
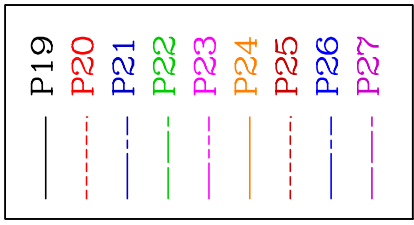
49-In-109



MAT 4913

2.064 MeV (n, n') Level
Legendre Coefficients

49-In-109



92

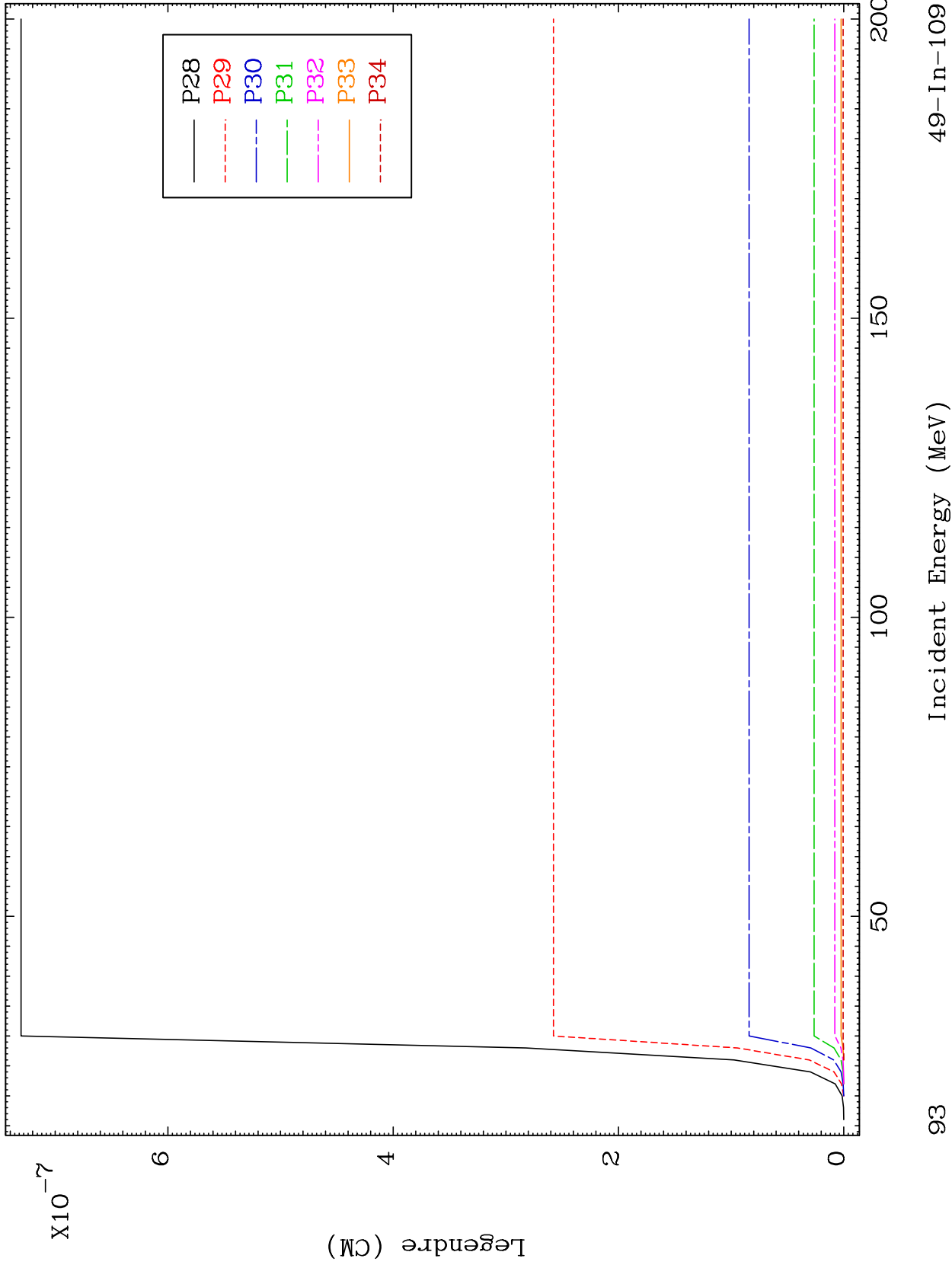
Incident Energy (MeV)

49-In-109

MAT 4913

2.064 MeV (n, n') Level
Legendre Coefficients

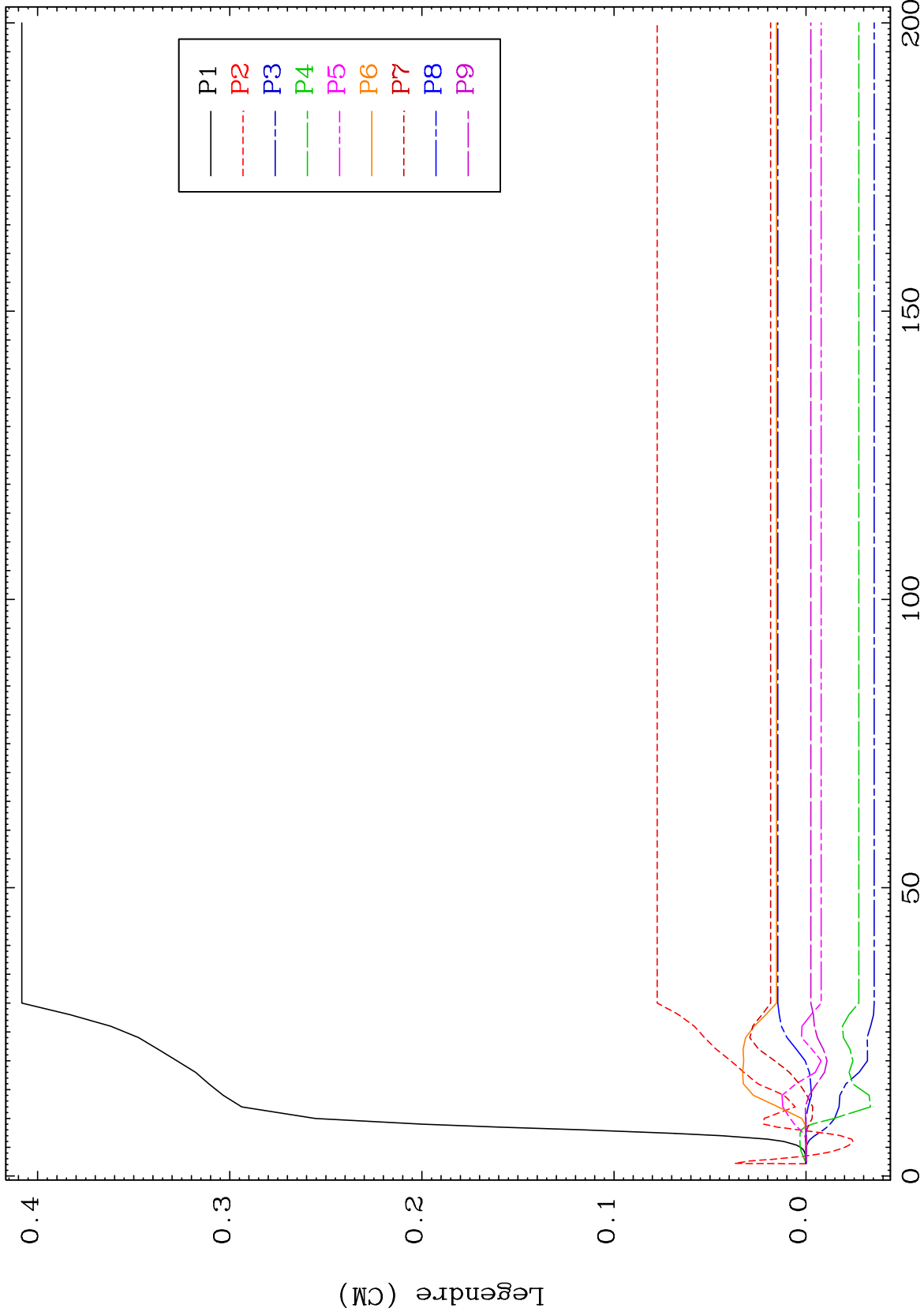
49-In-109



MAT 4913

2.102 MeV (n,n') Level
Legendre Coefficients

49-In-109



94

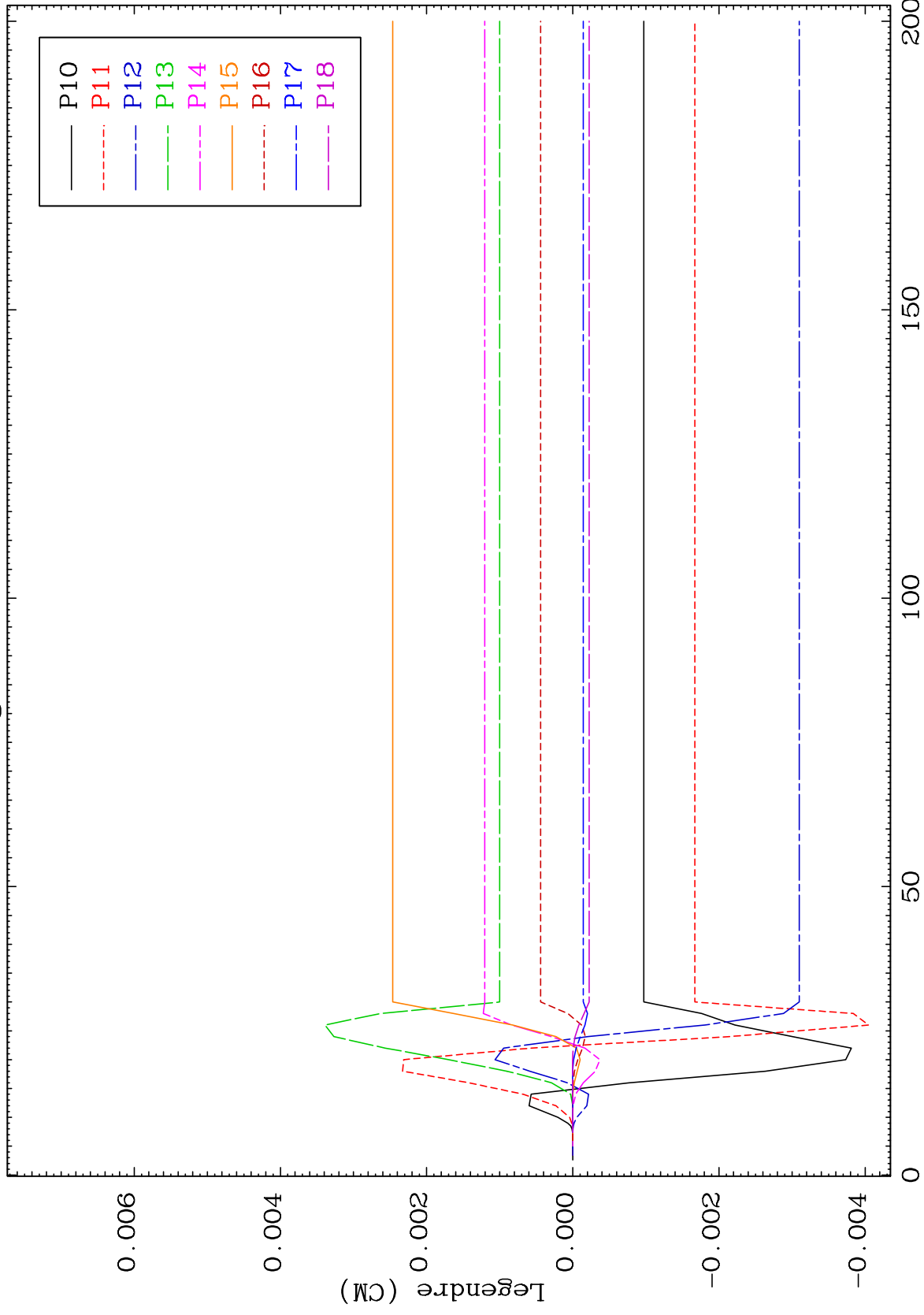
Incident Energy (MeV)

49-In-109

MAT 4913

2.102 MeV (n,n') Level
Legendre Coefficients

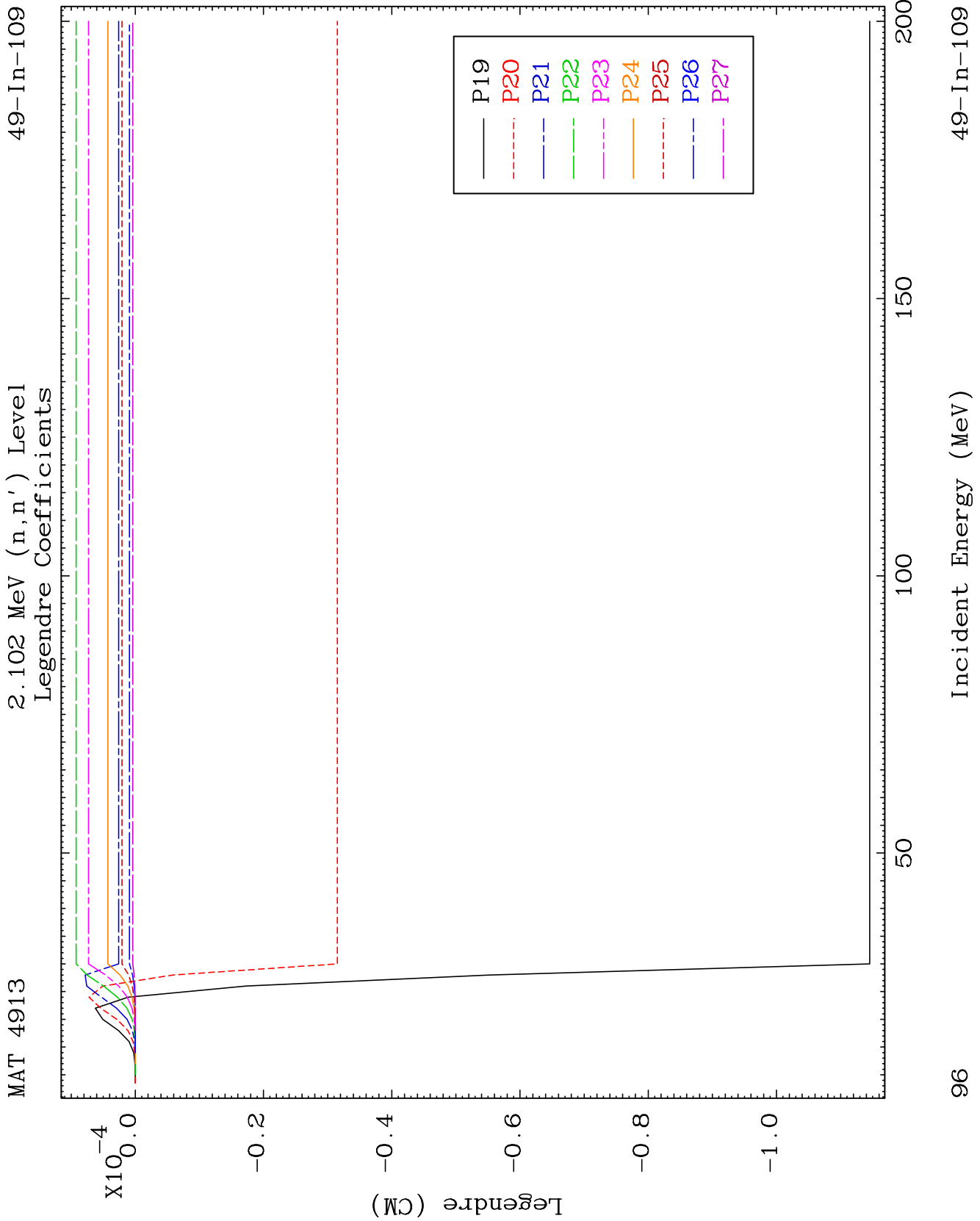
49-In-109



95

Incident Energy (MeV)

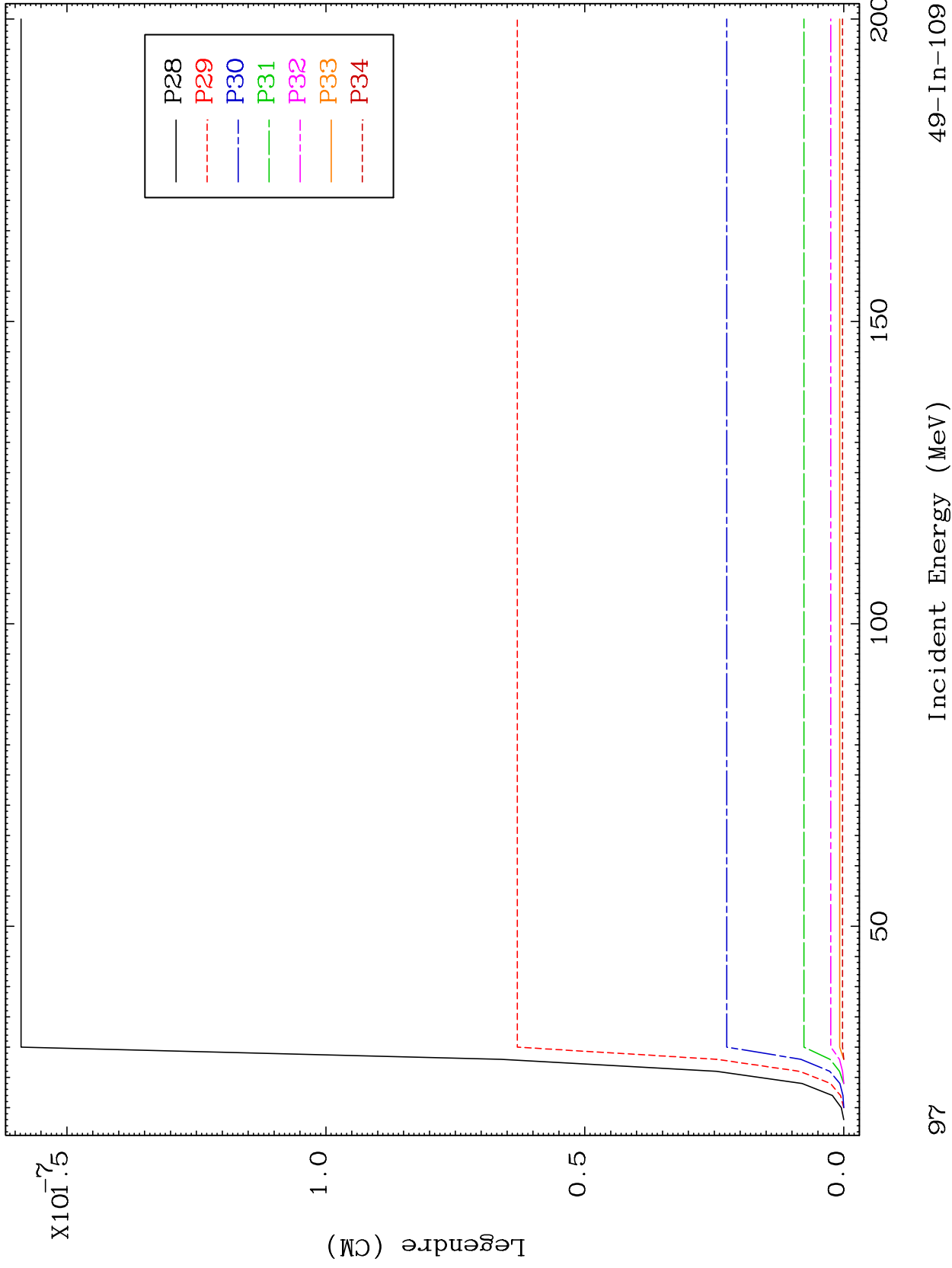
49-In-109



MAT 4913

2.102 MeV (n,n') Level
Legendre Coefficients

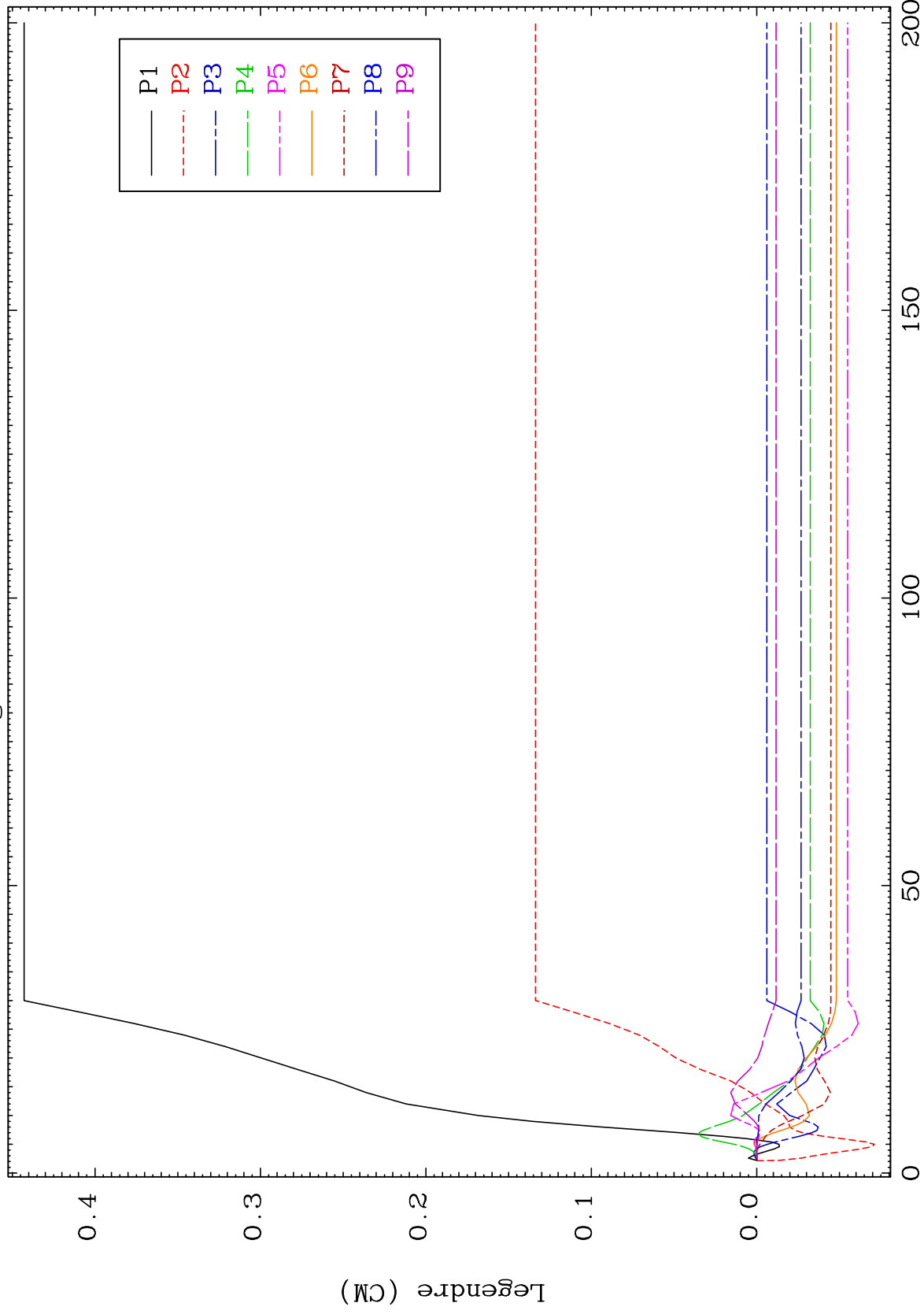
49-In-109



MAT 4913

2.126 MeV (n,n') Level
Legendre Coefficients

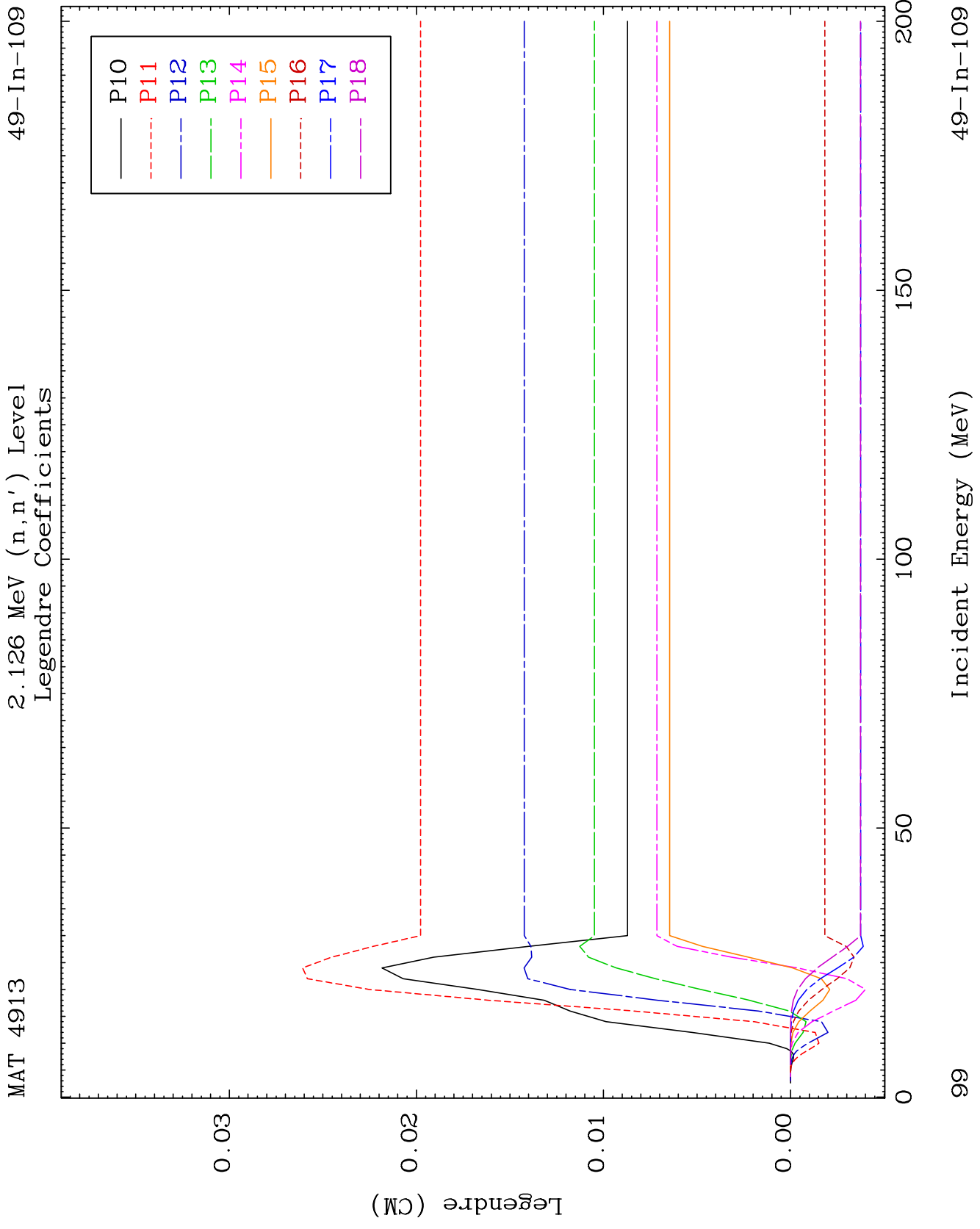
49-In-109

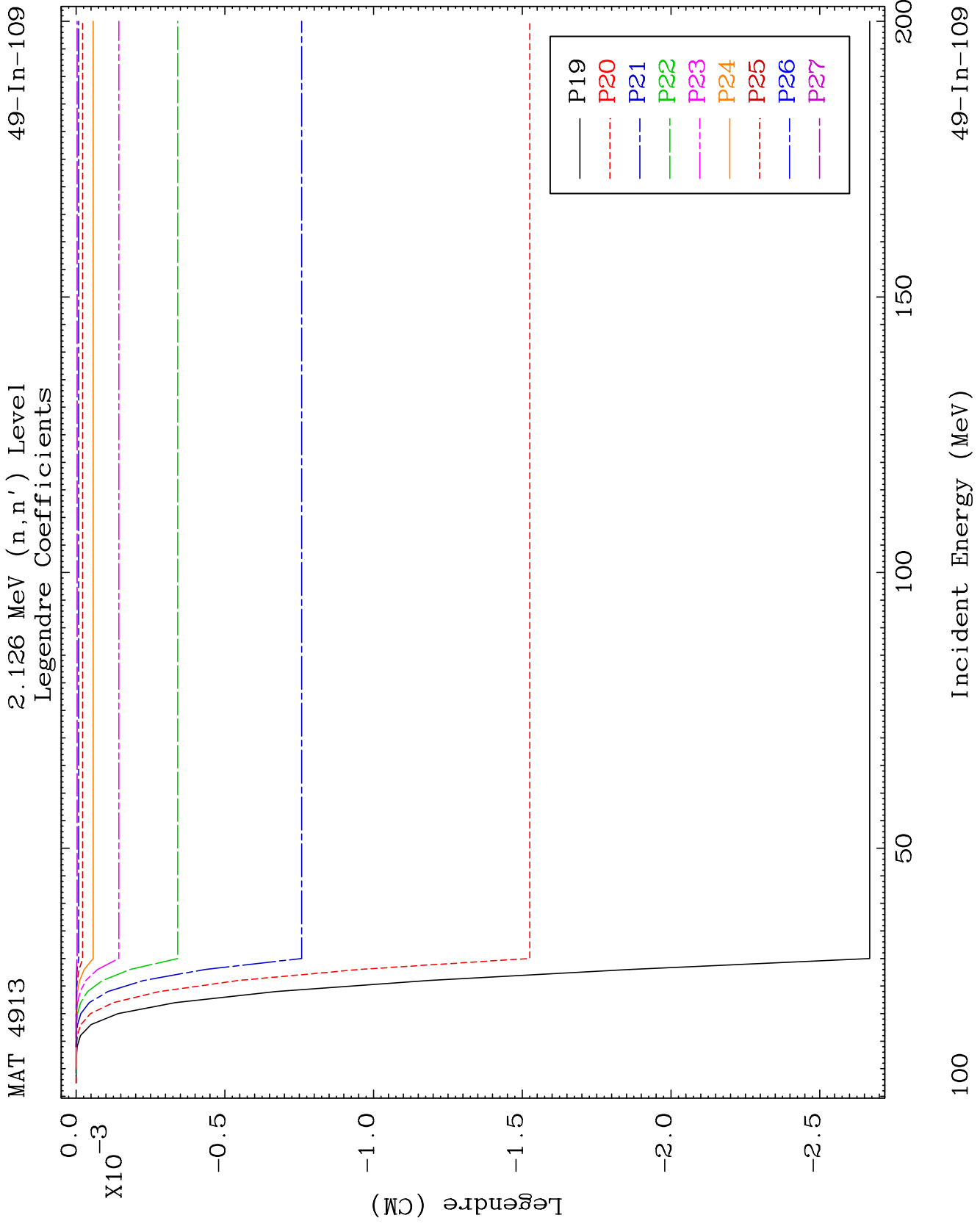


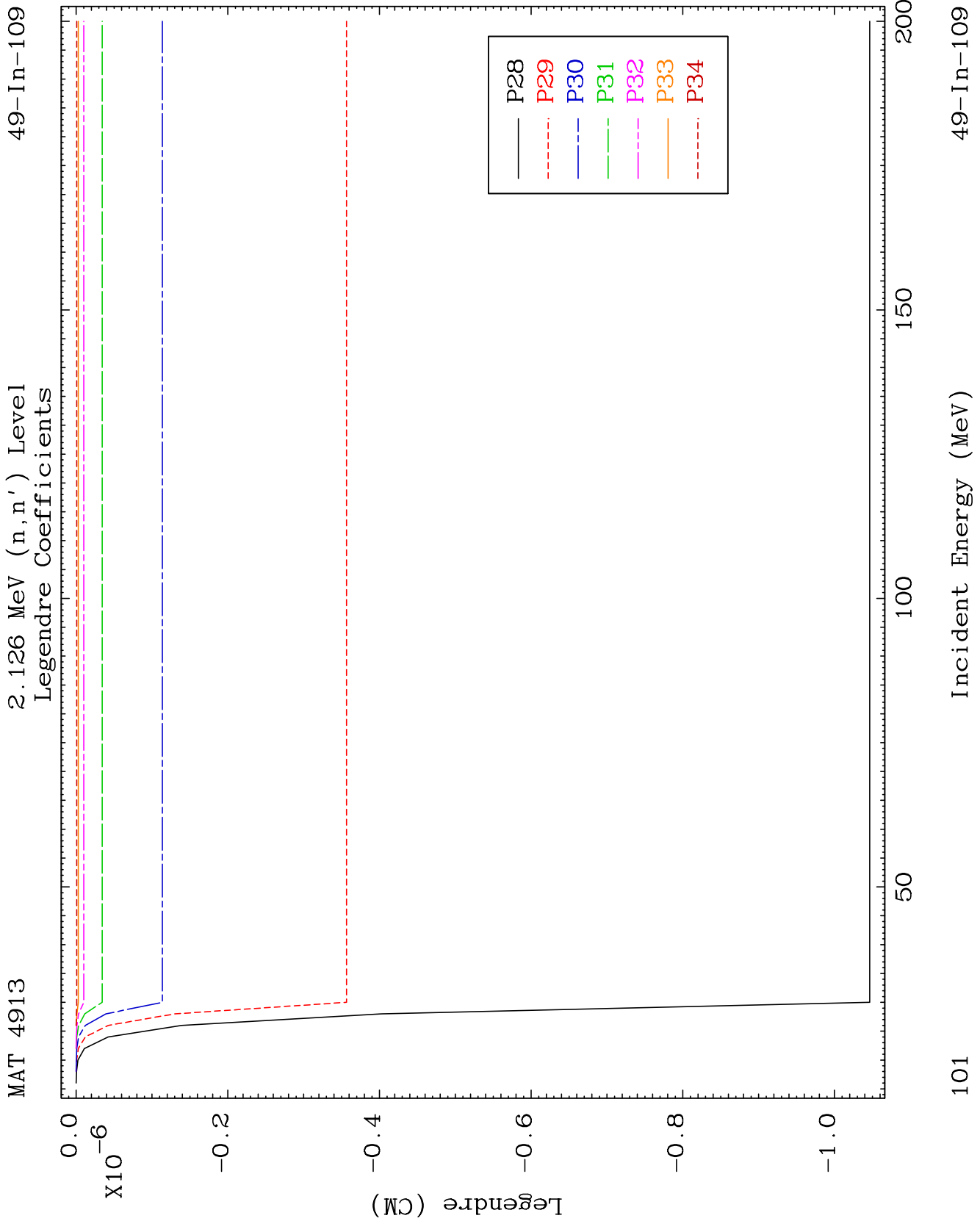
98

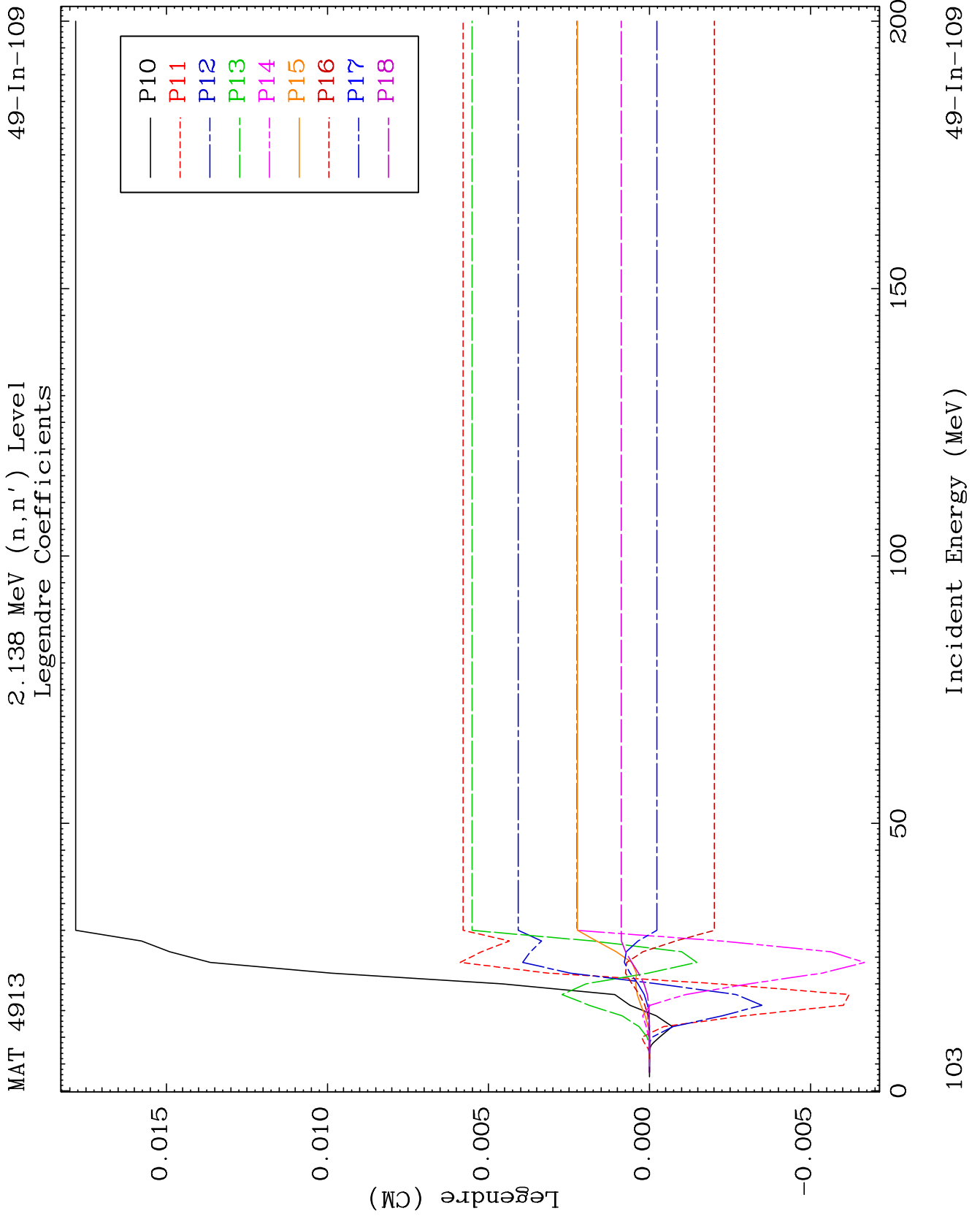
Incident Energy (MeV)

49-In-109





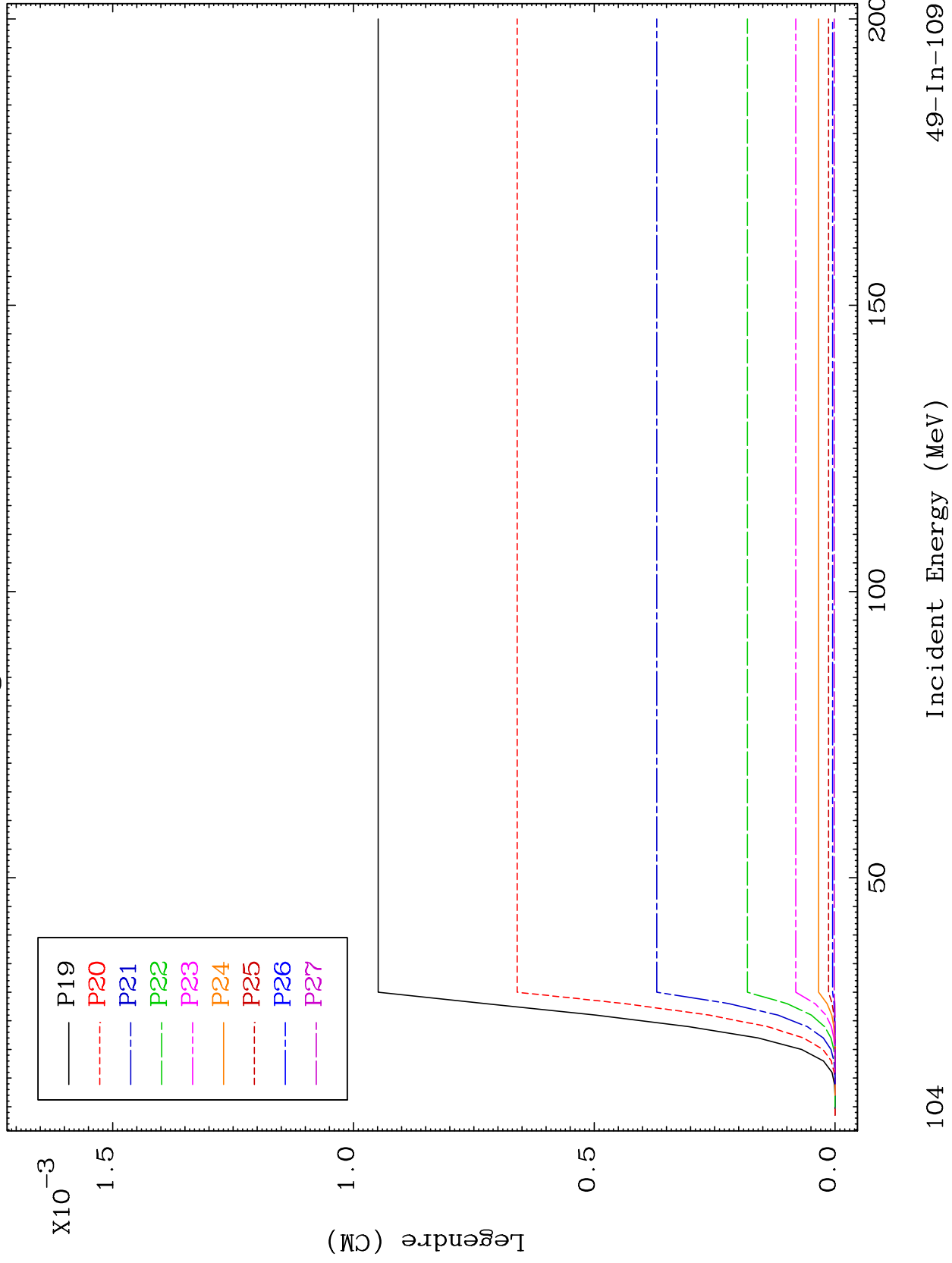




MAT 4913

2.138 MeV (n,n') Level
Legendre Coefficients

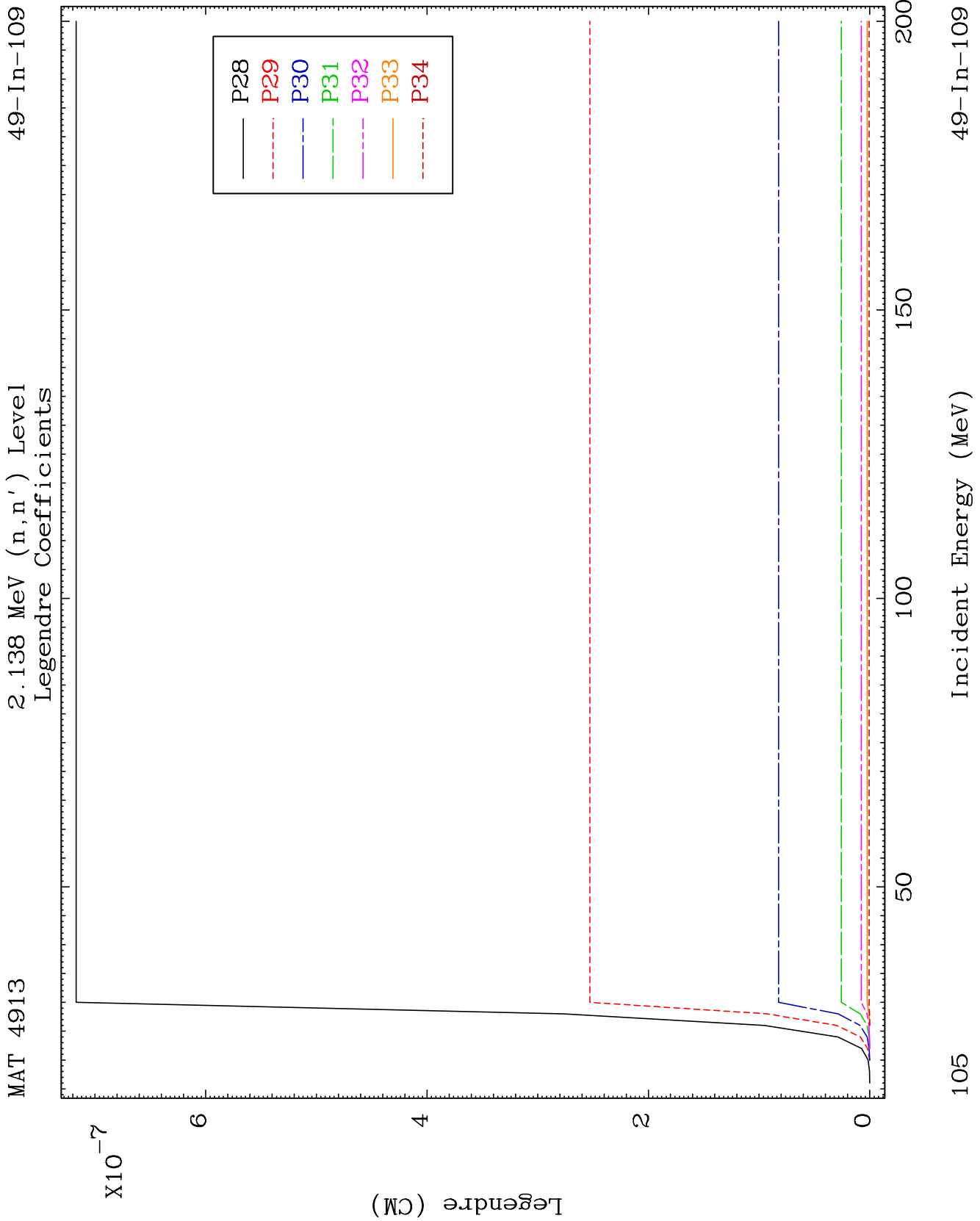
49-In-109

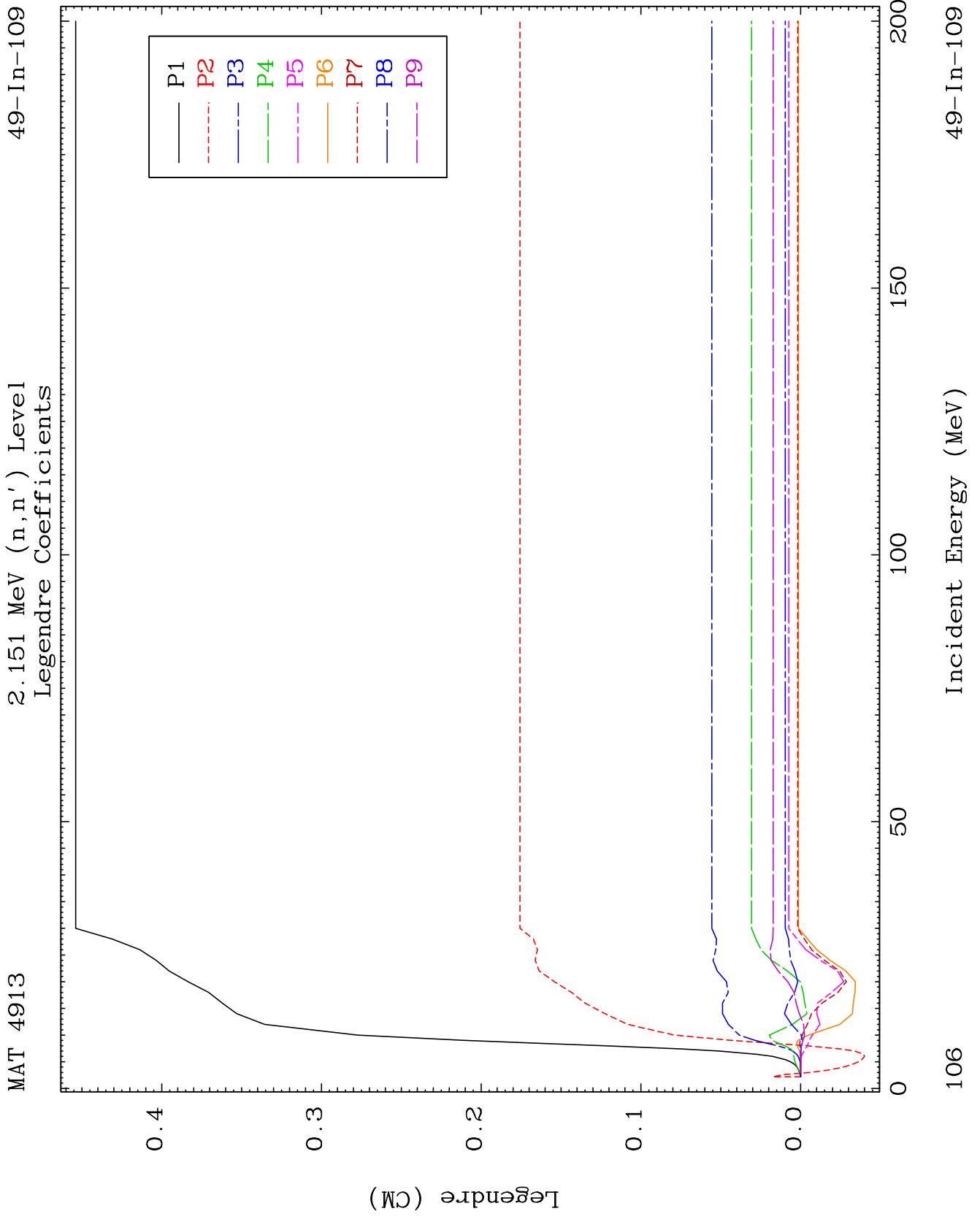


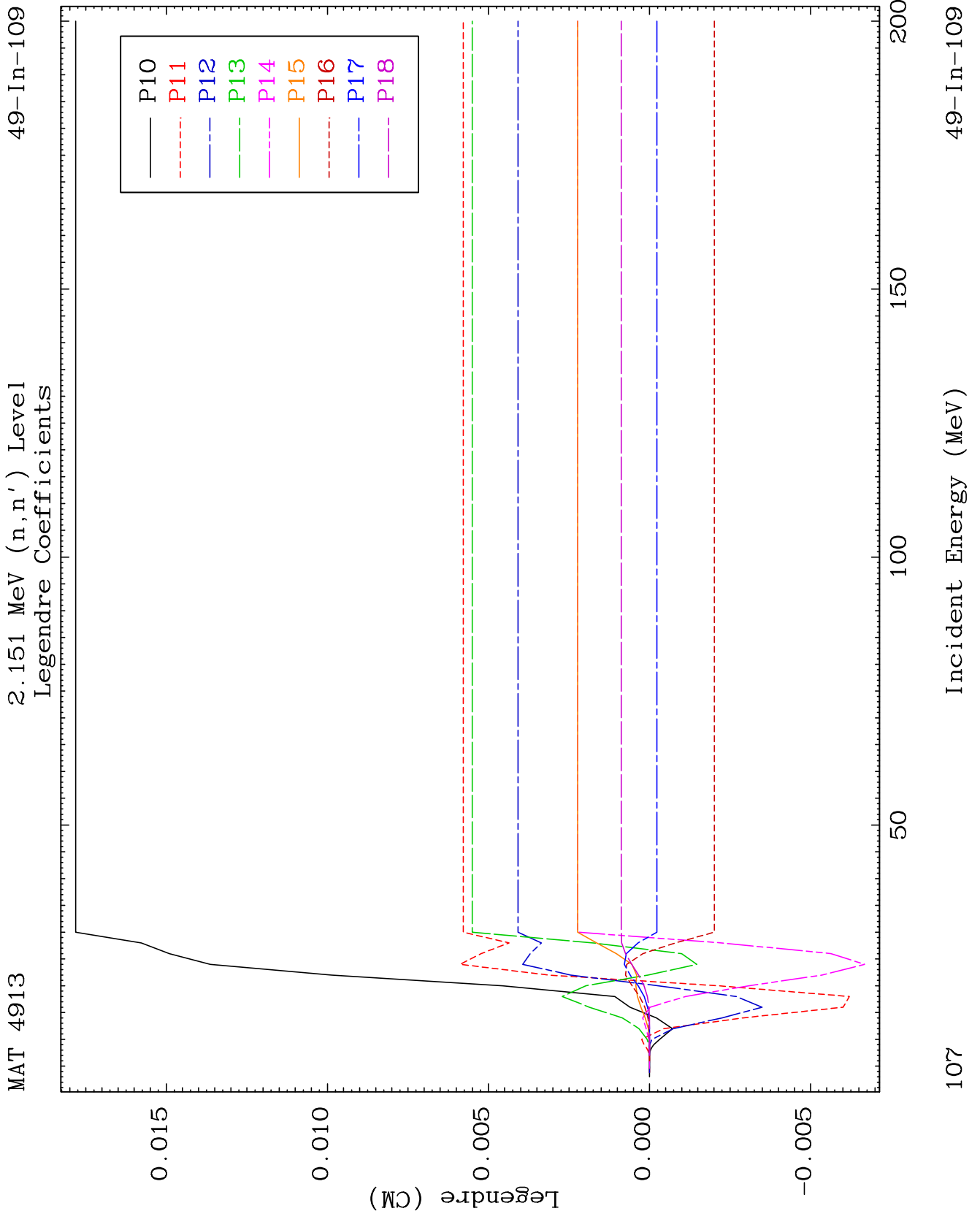
104

Incident Energy (MeV)

49-In-109



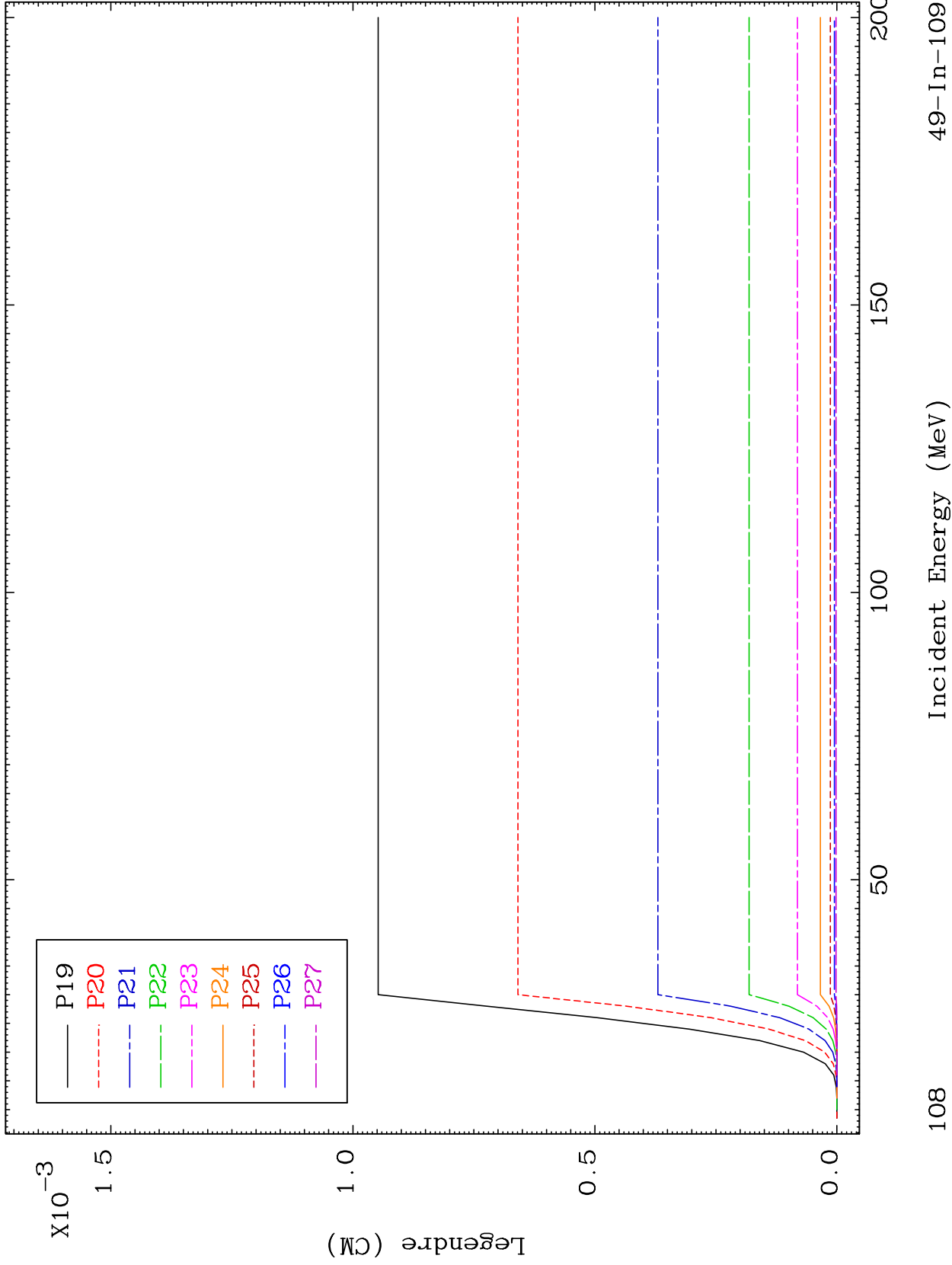




MAT 4913

2.151 MeV (n,n') Level
Legendre Coefficients

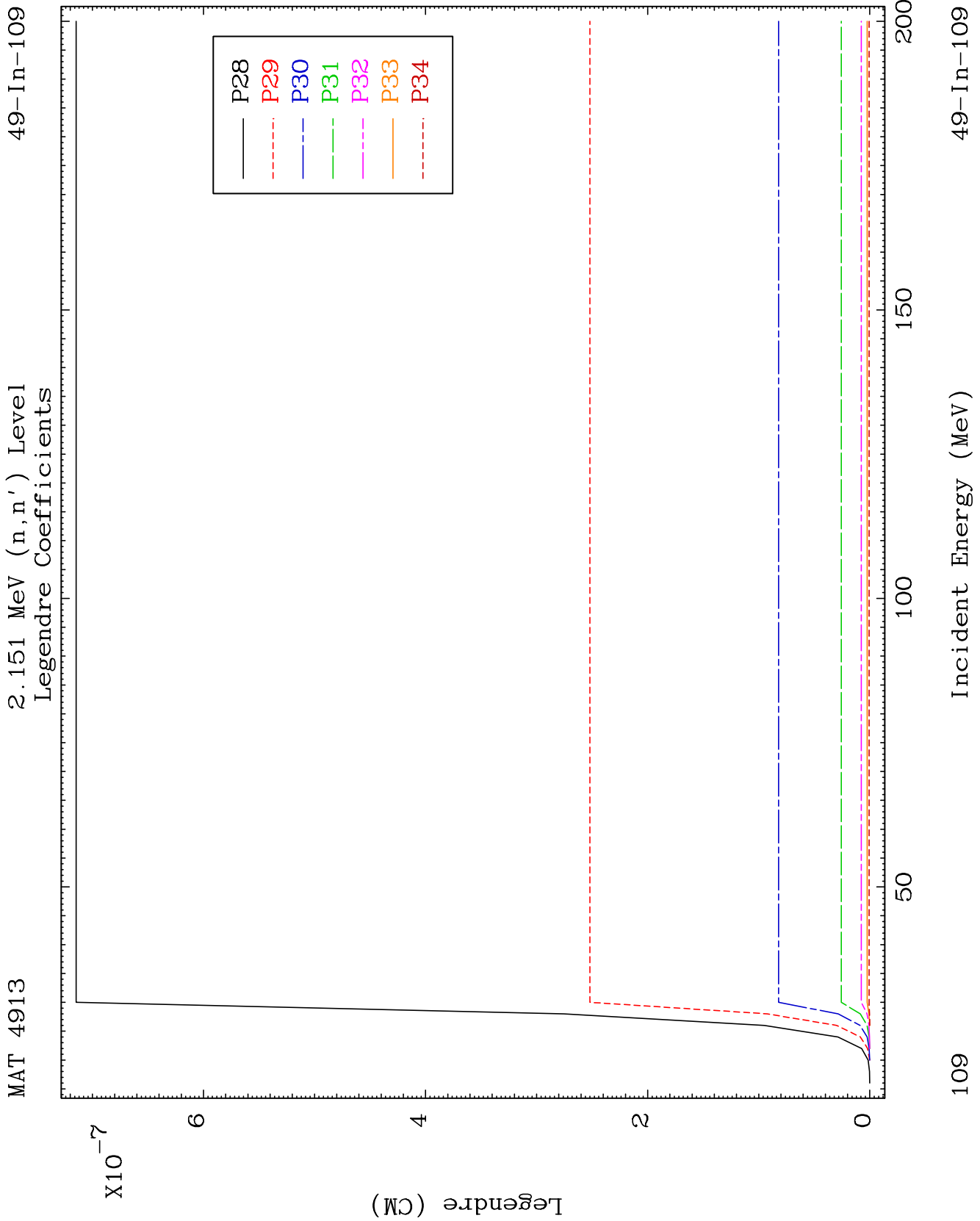
49-In-109



108

Incident Energy (MeV)

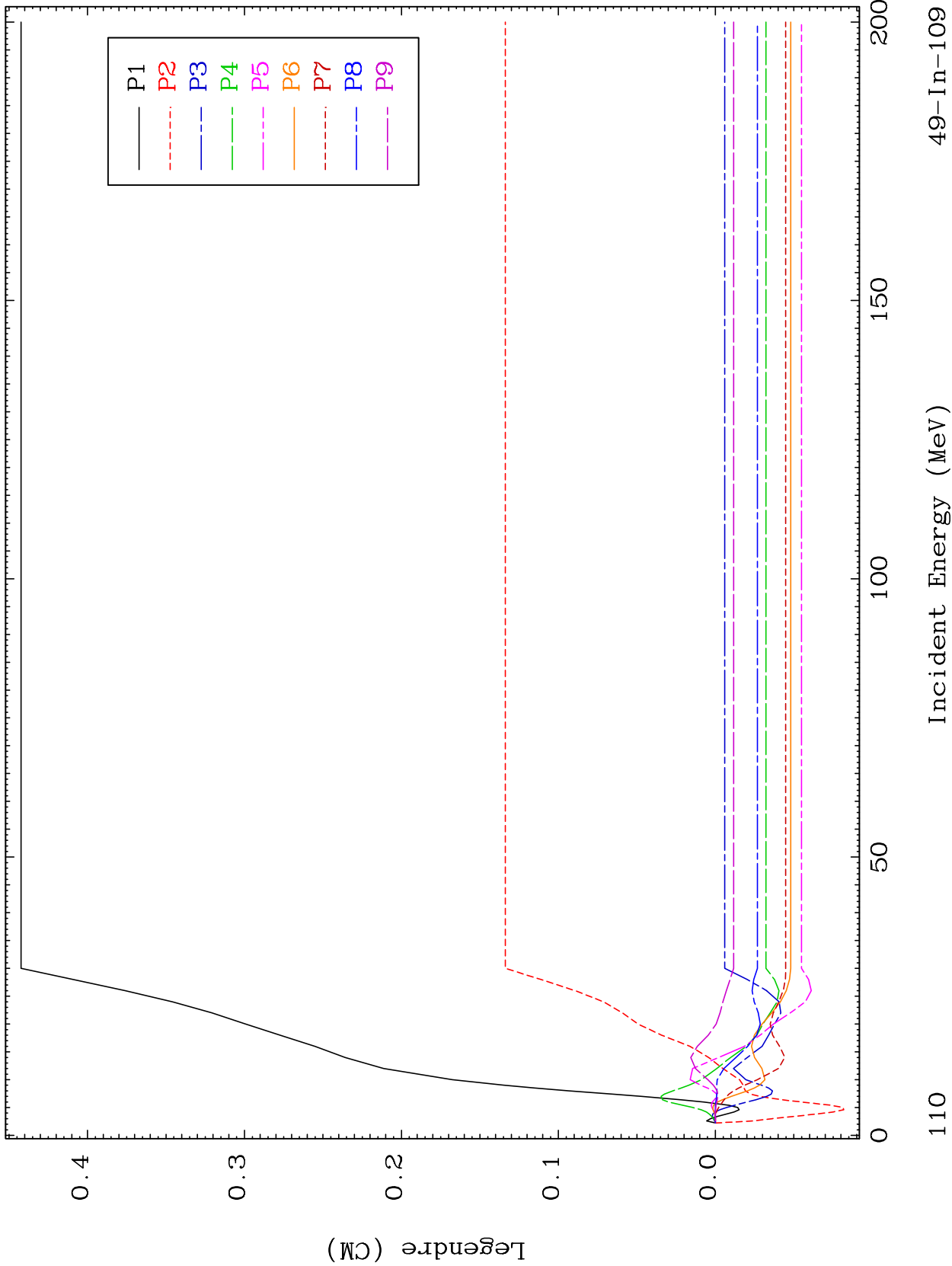
49-In-109



MAT 4913

2.195 MeV (n,n') Level
Legendre Coefficients

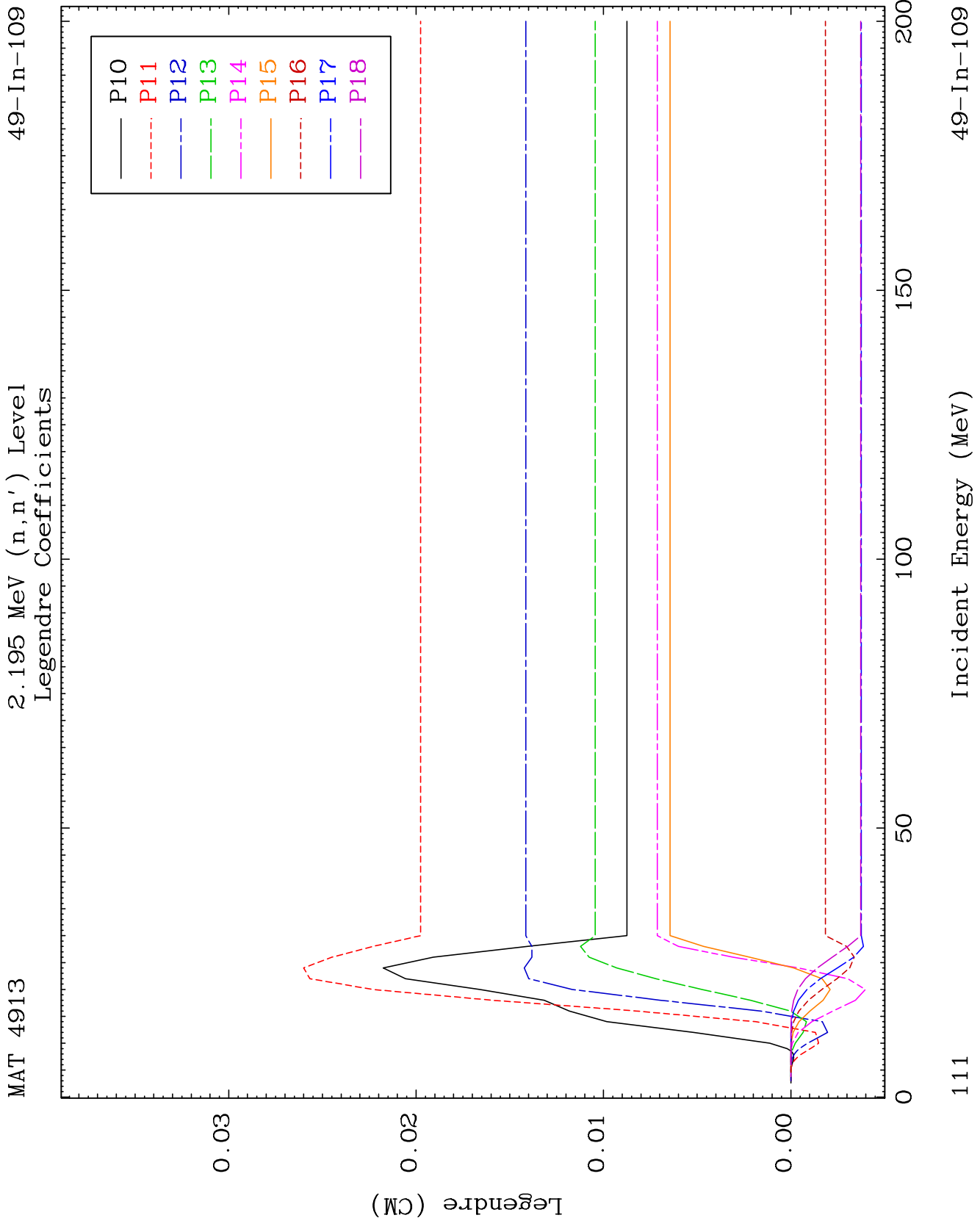
49-In-109

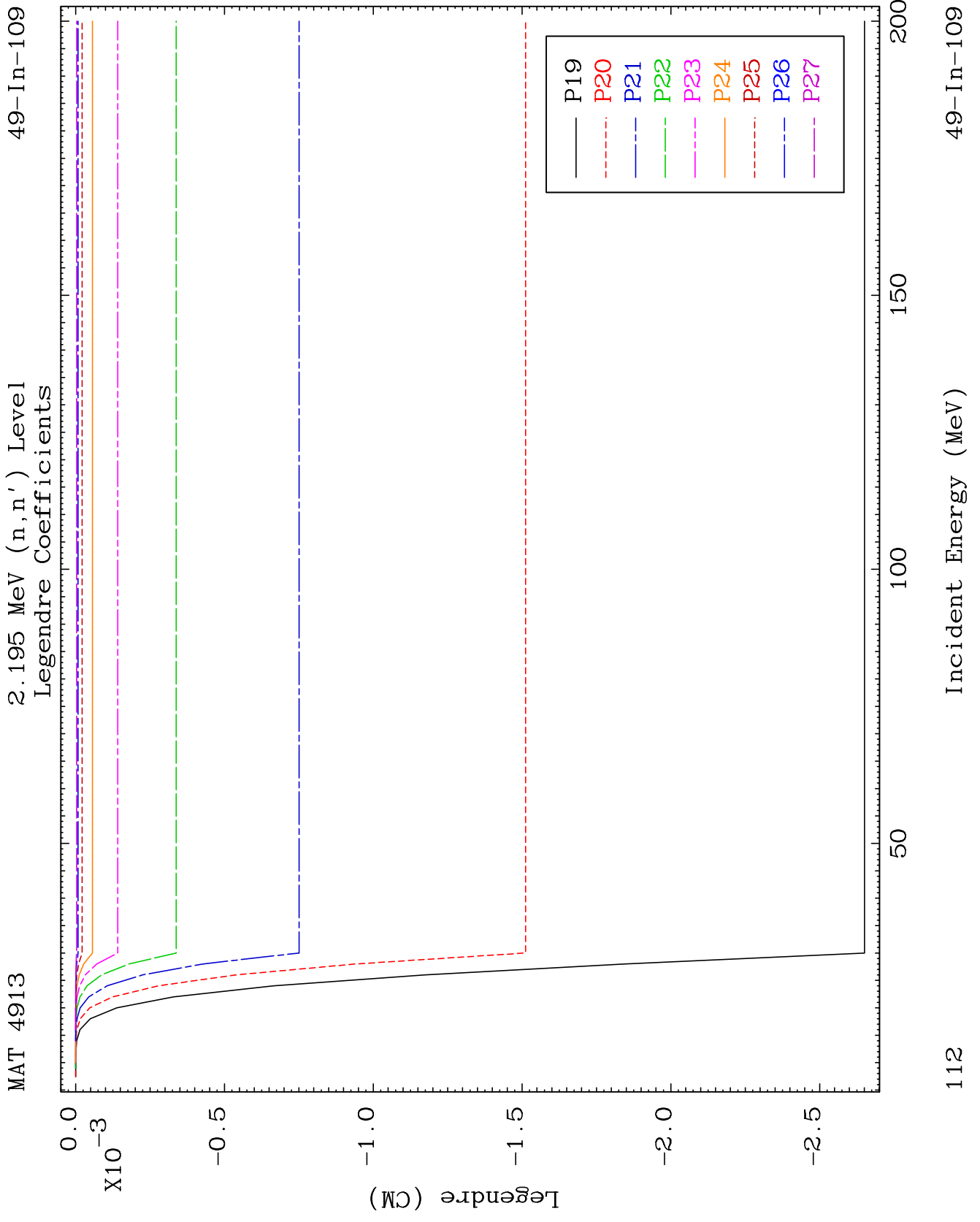


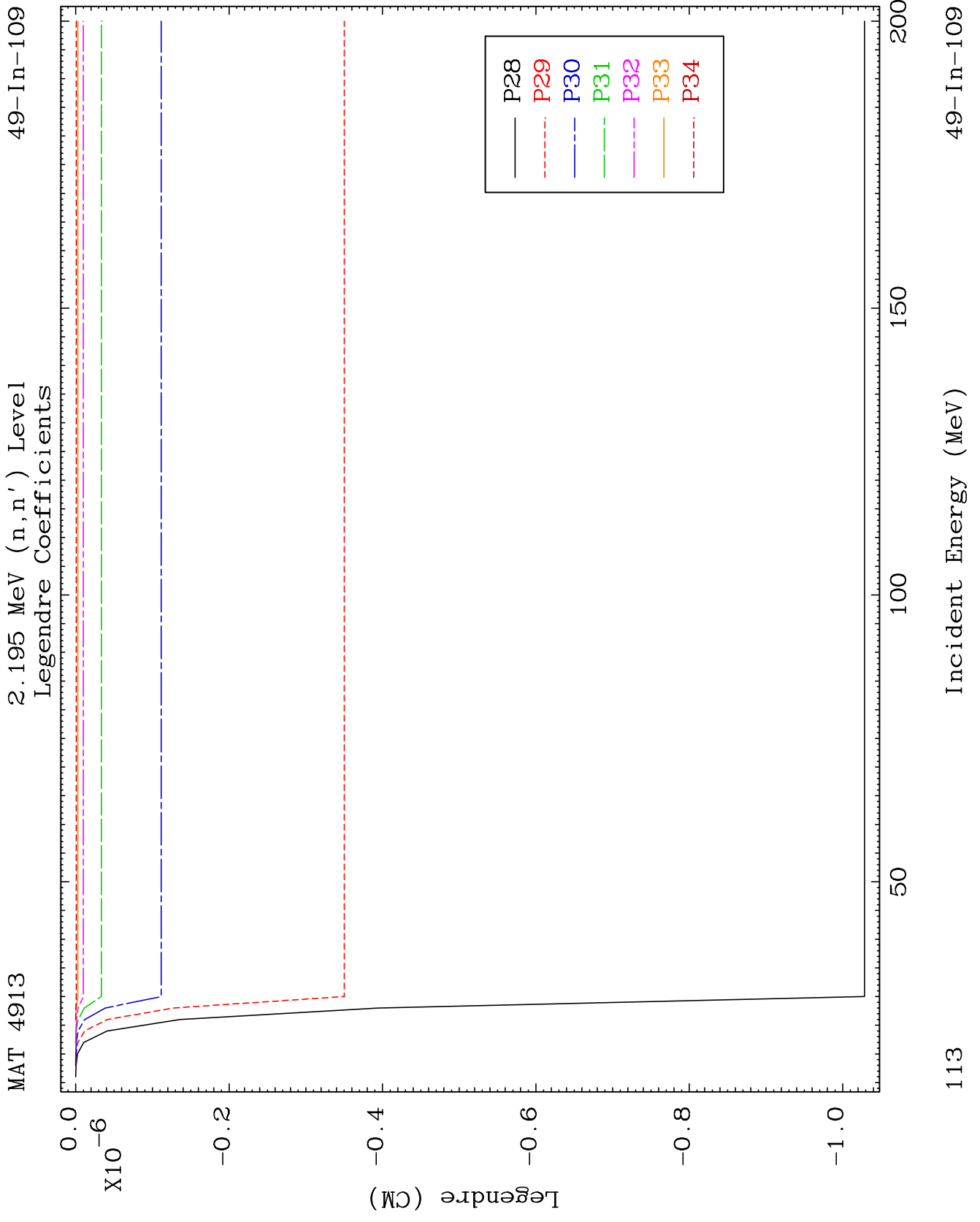
49-In-109

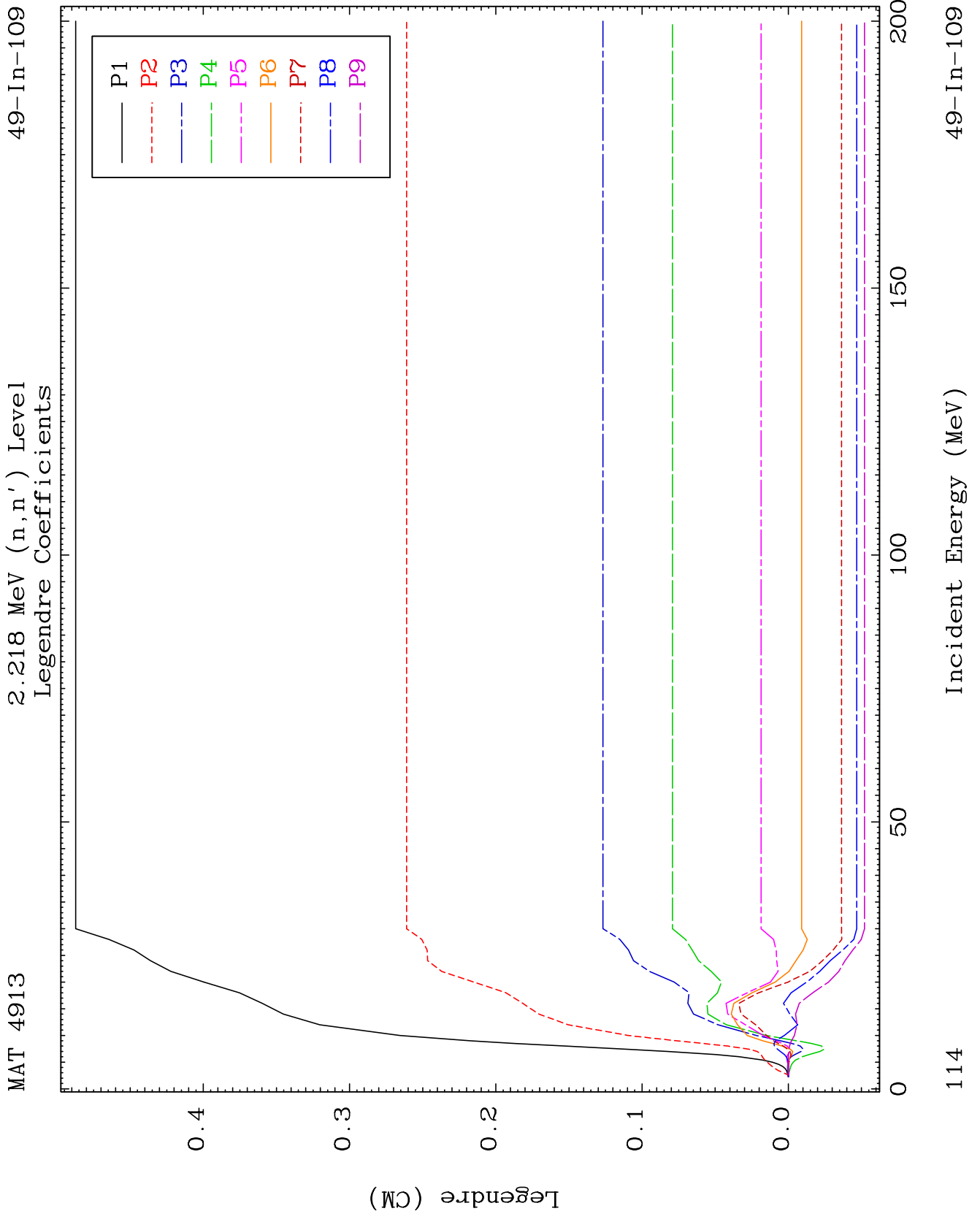
Incident Energy (MeV)

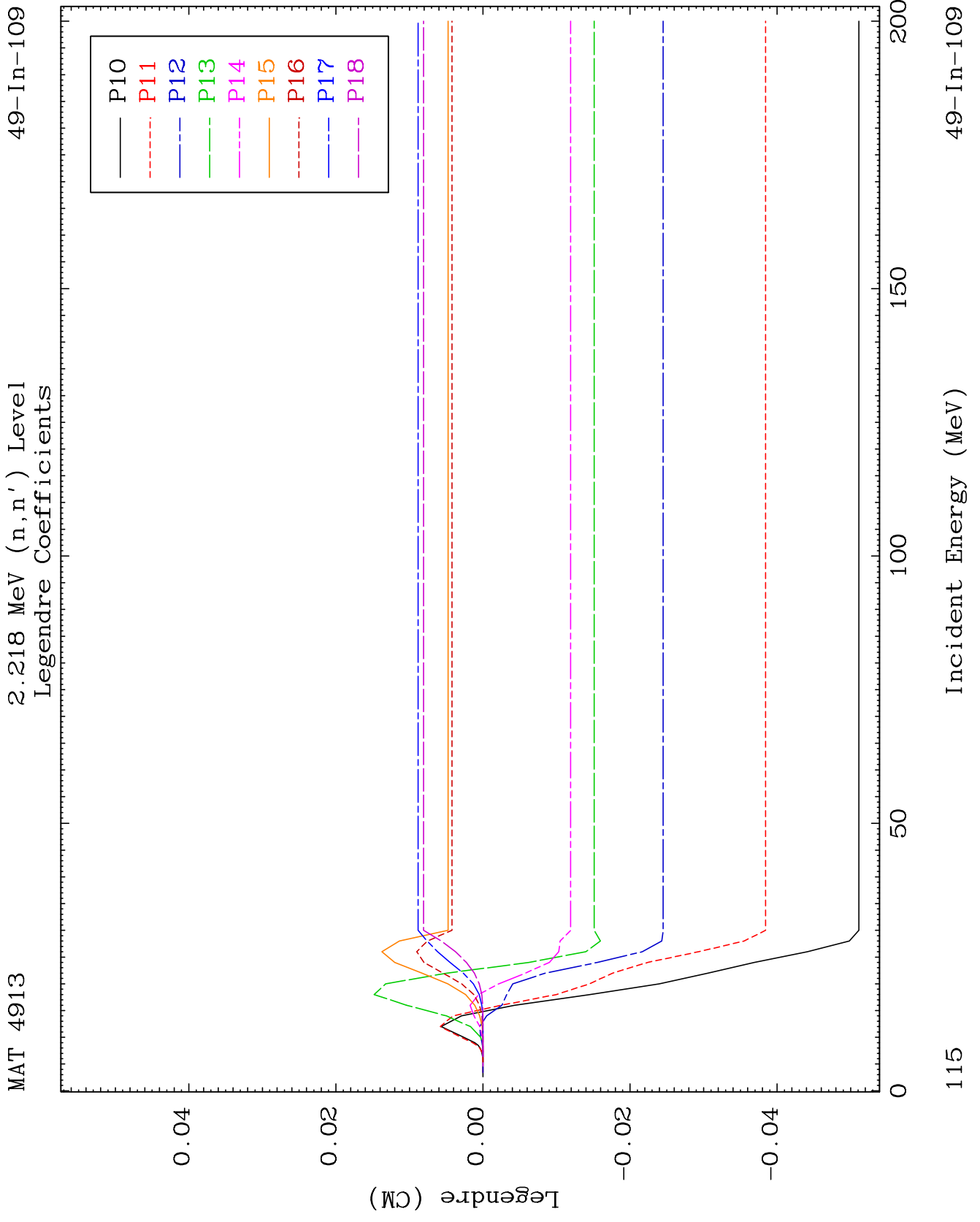
110

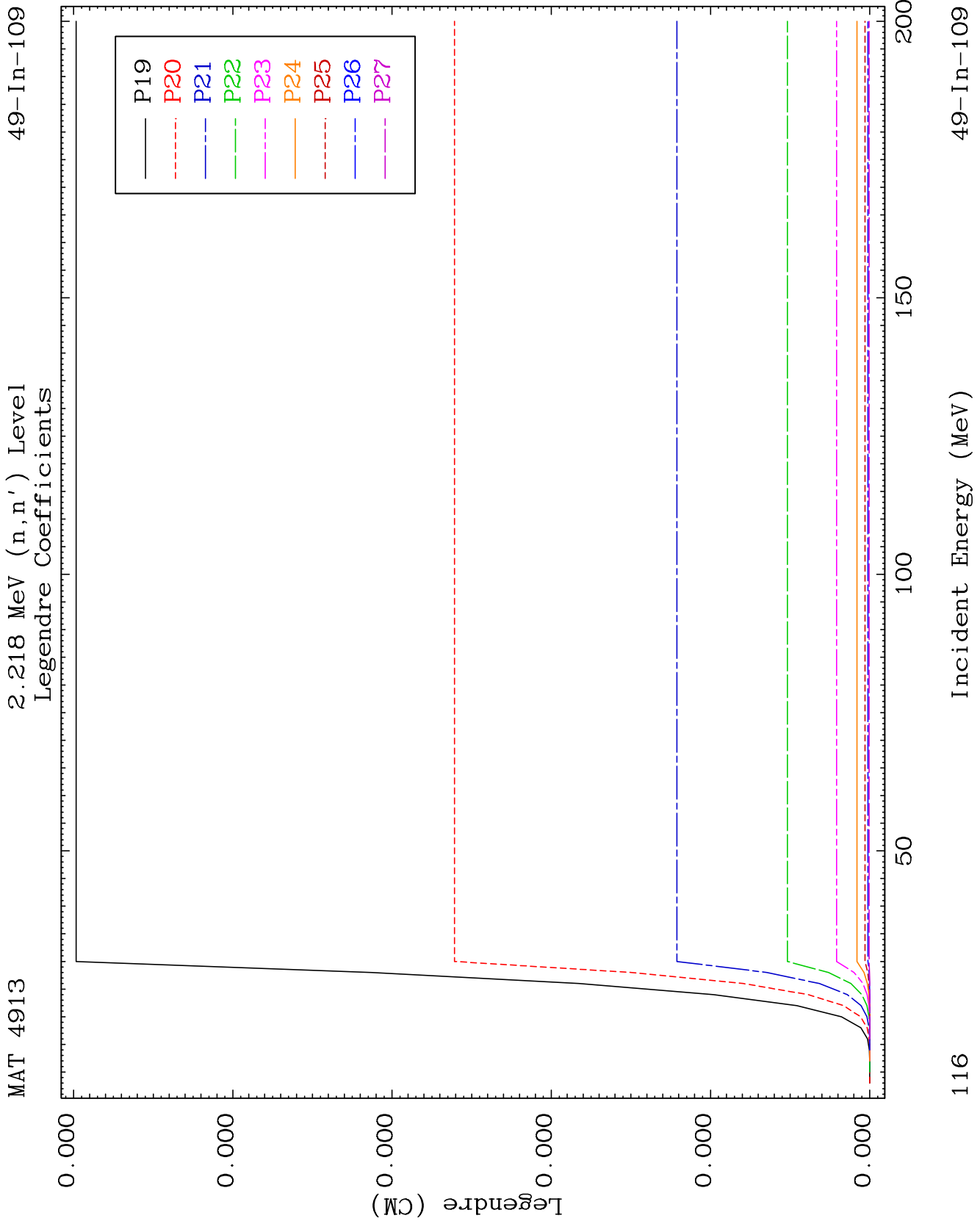


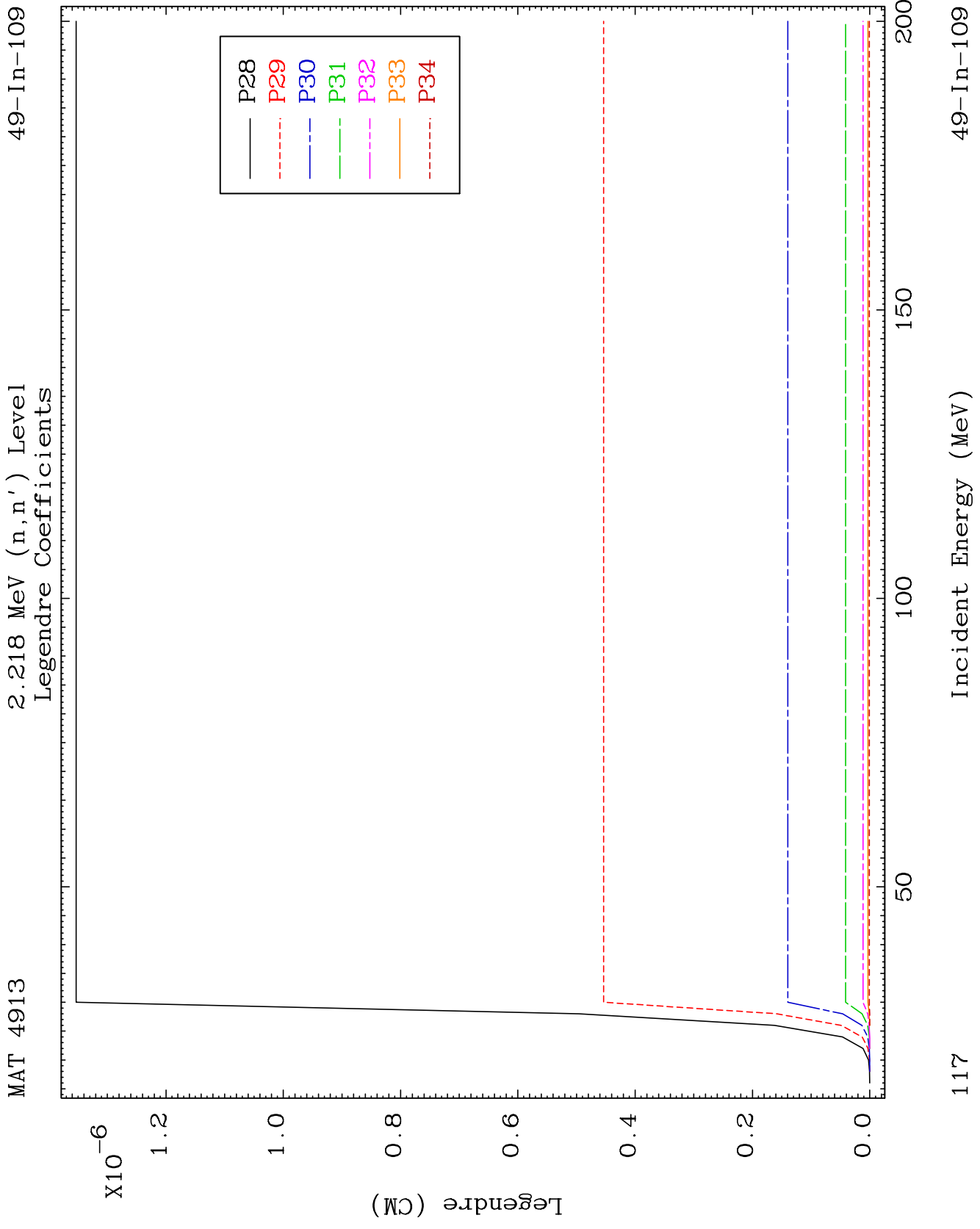


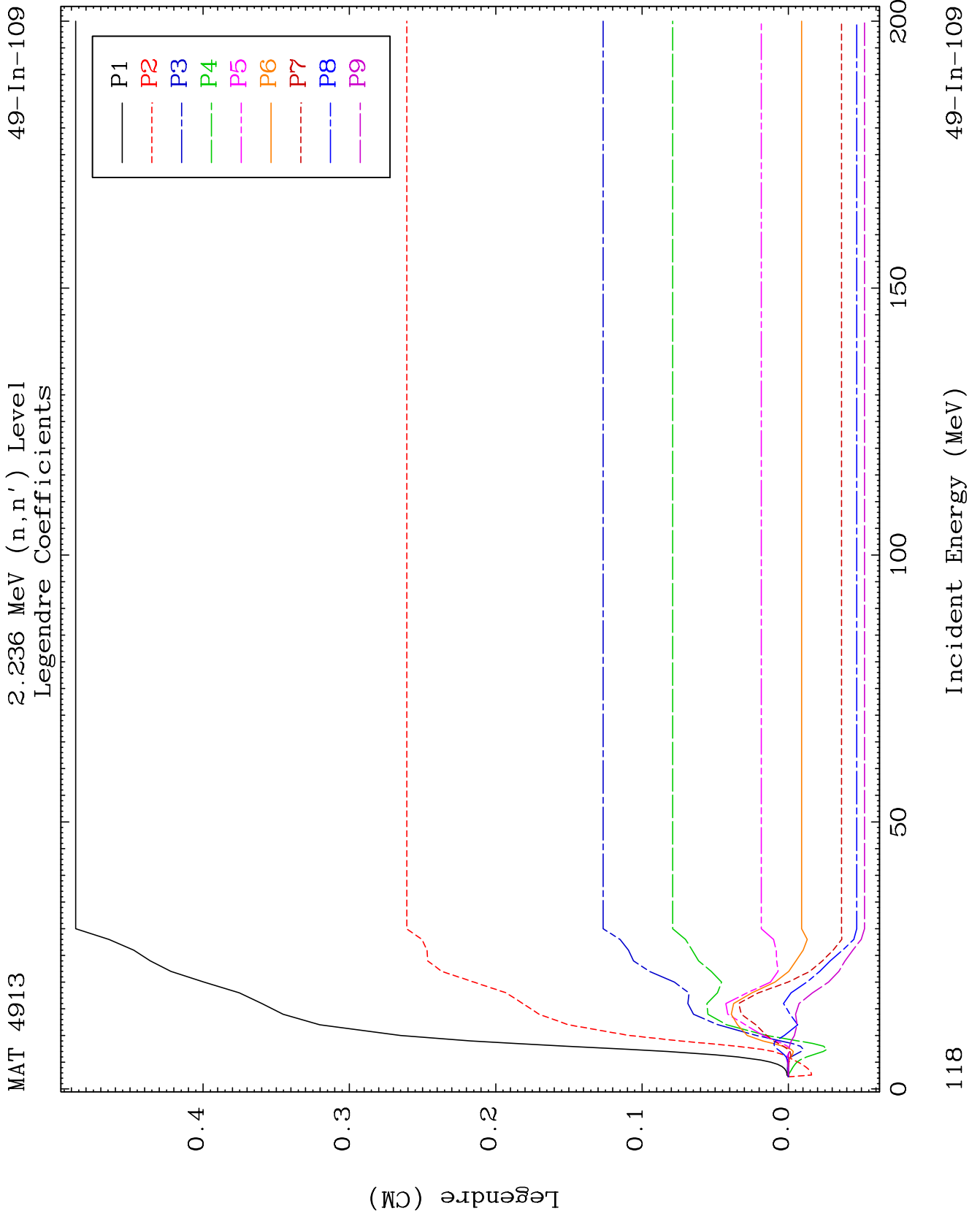


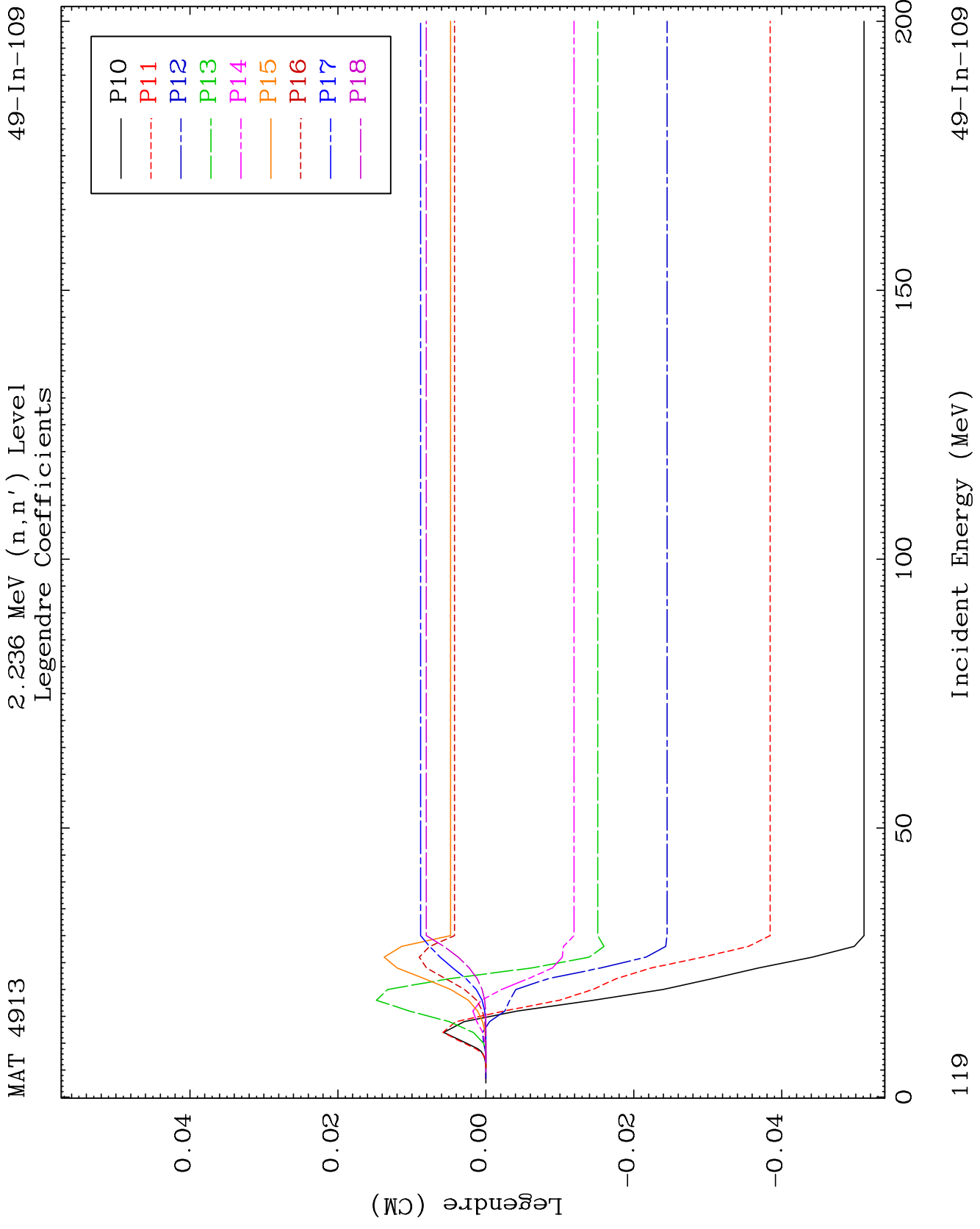


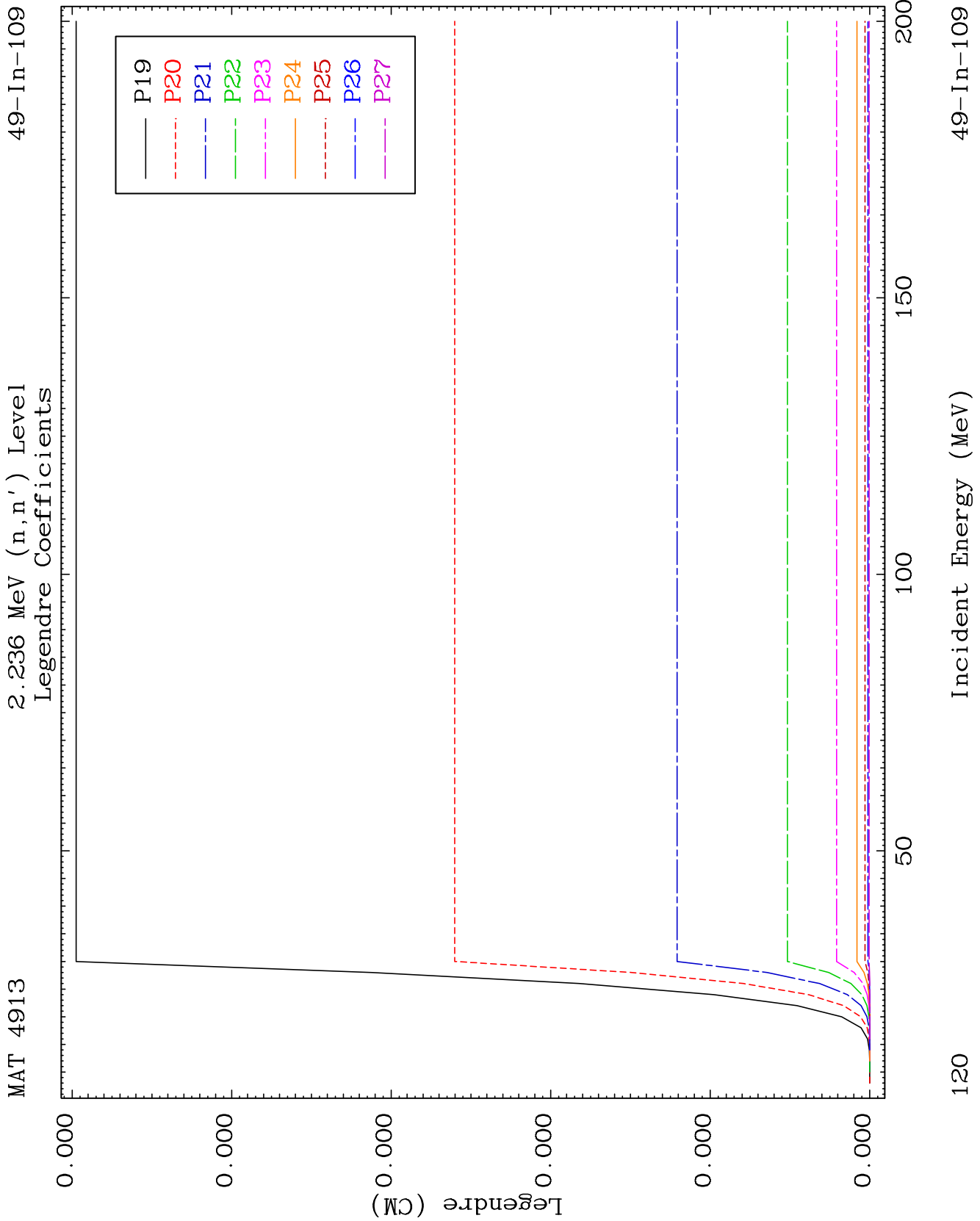


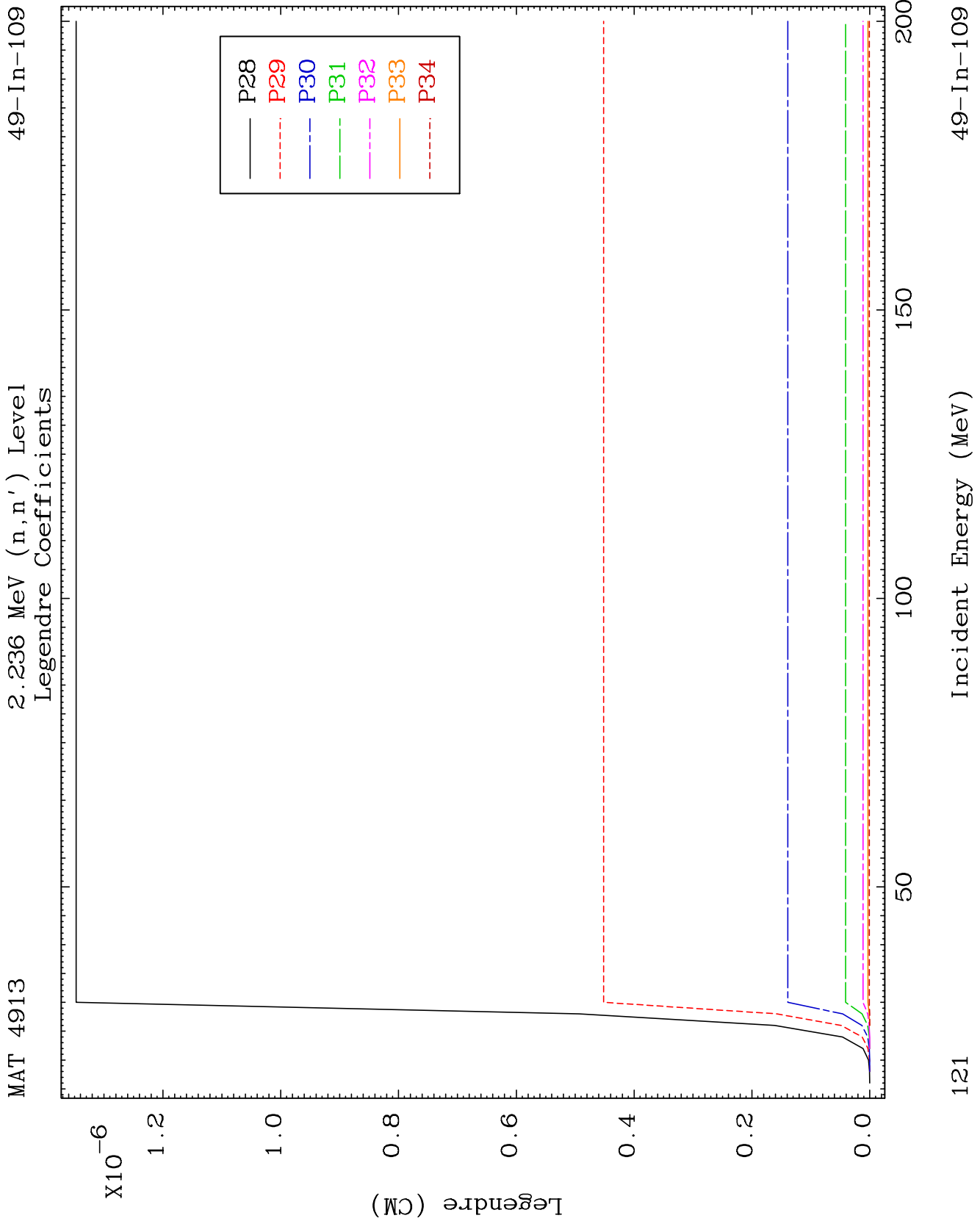


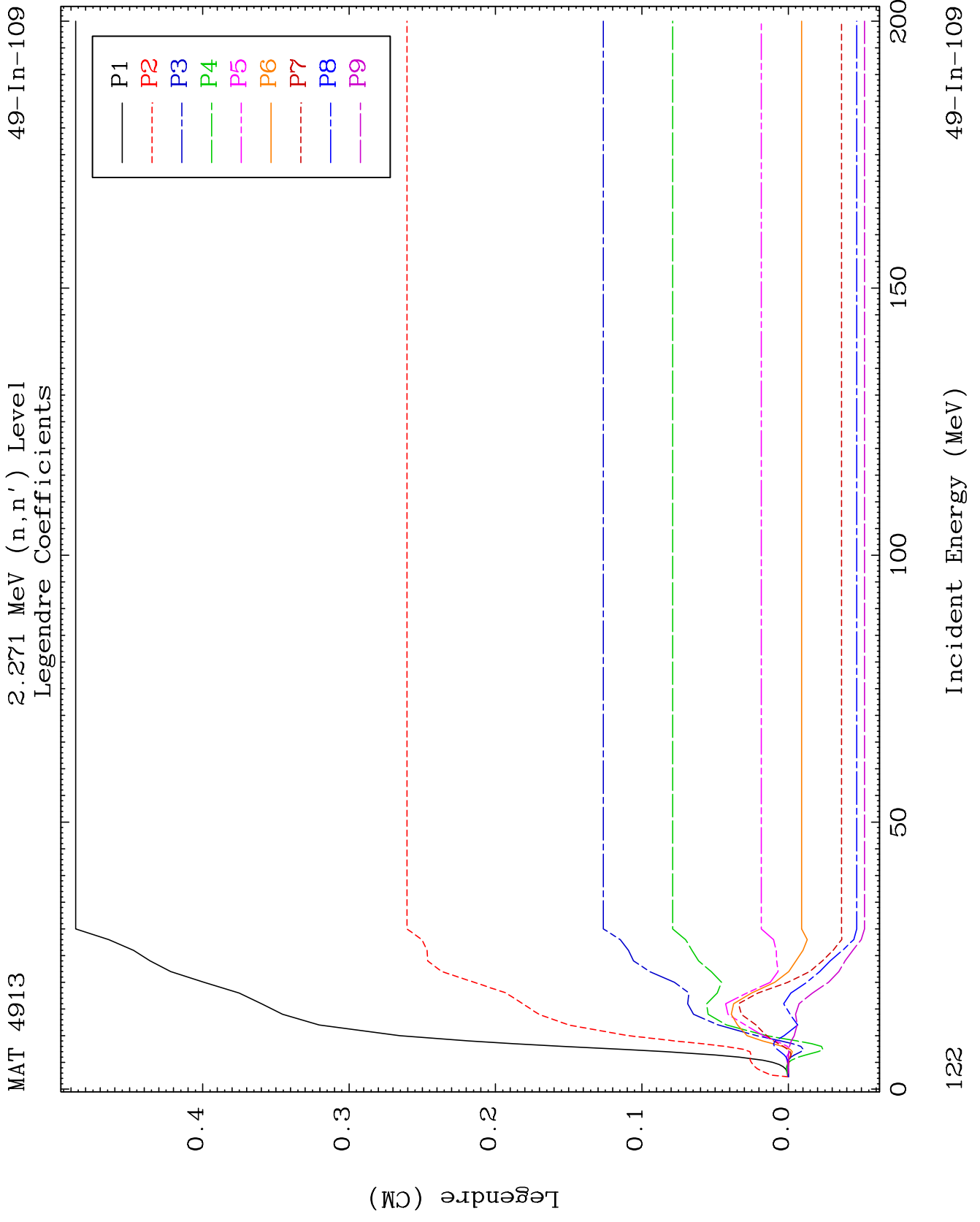








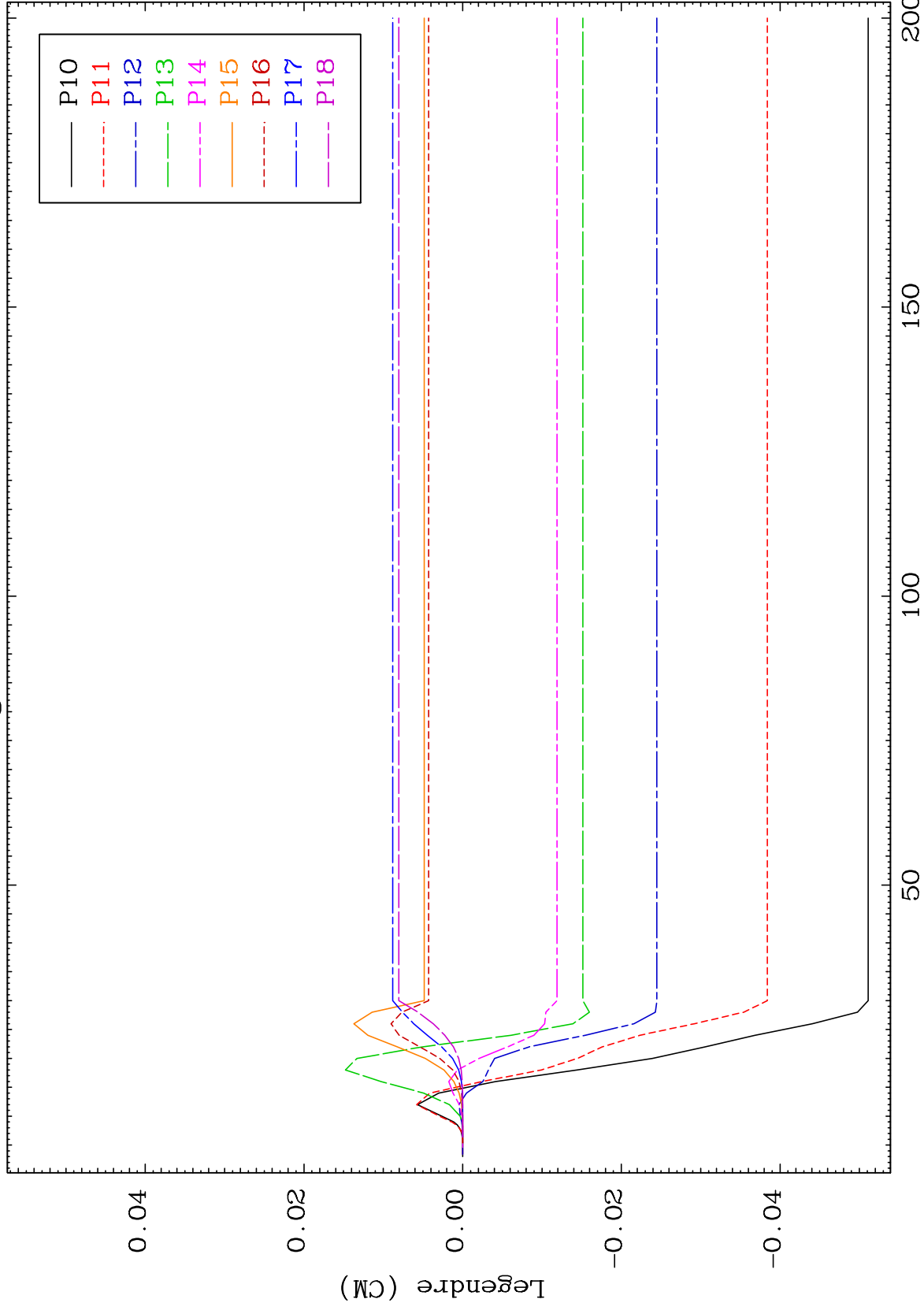




MAT 4913

2.271 MeV (n, n') Level
Legendre Coefficients

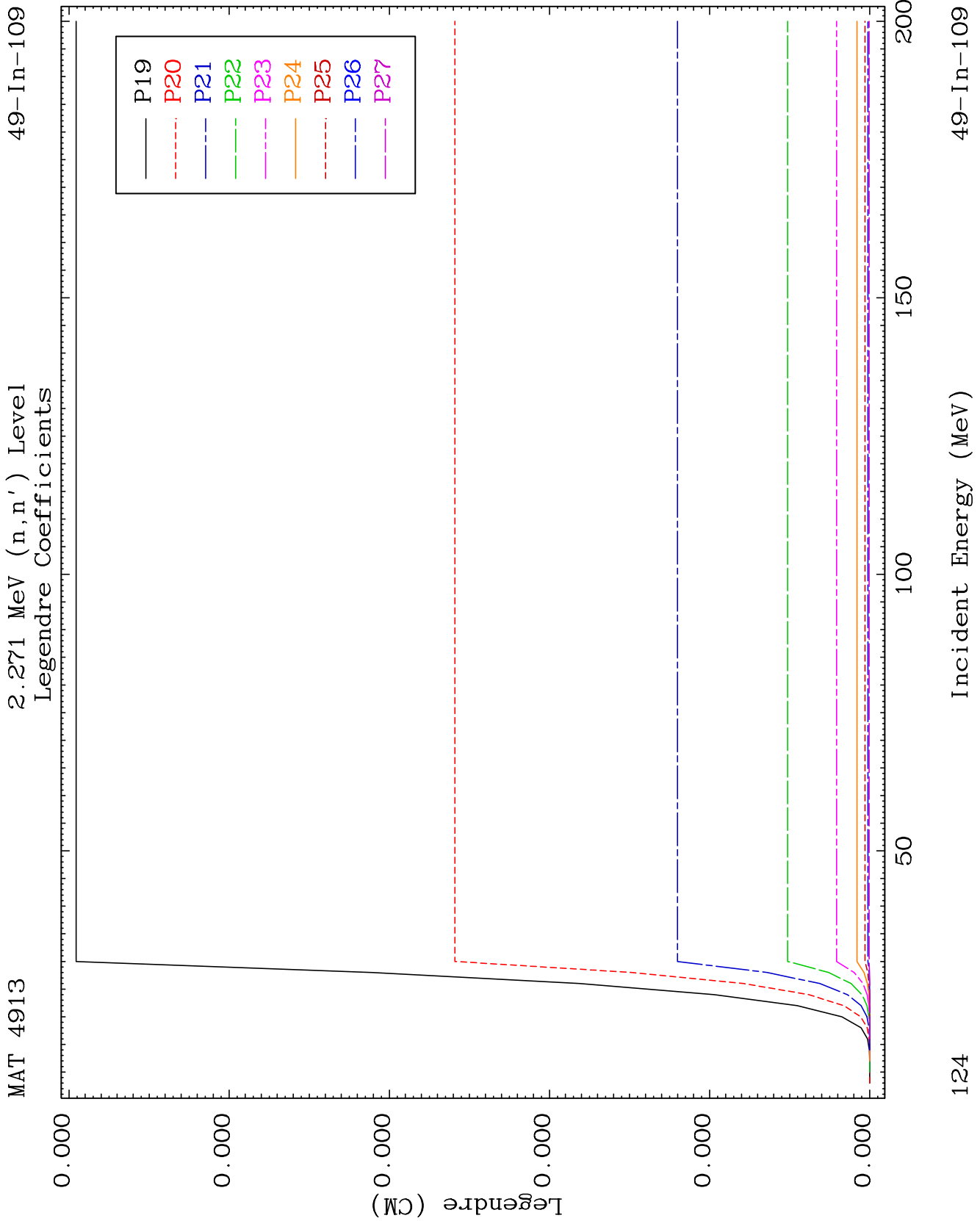
49-In-109

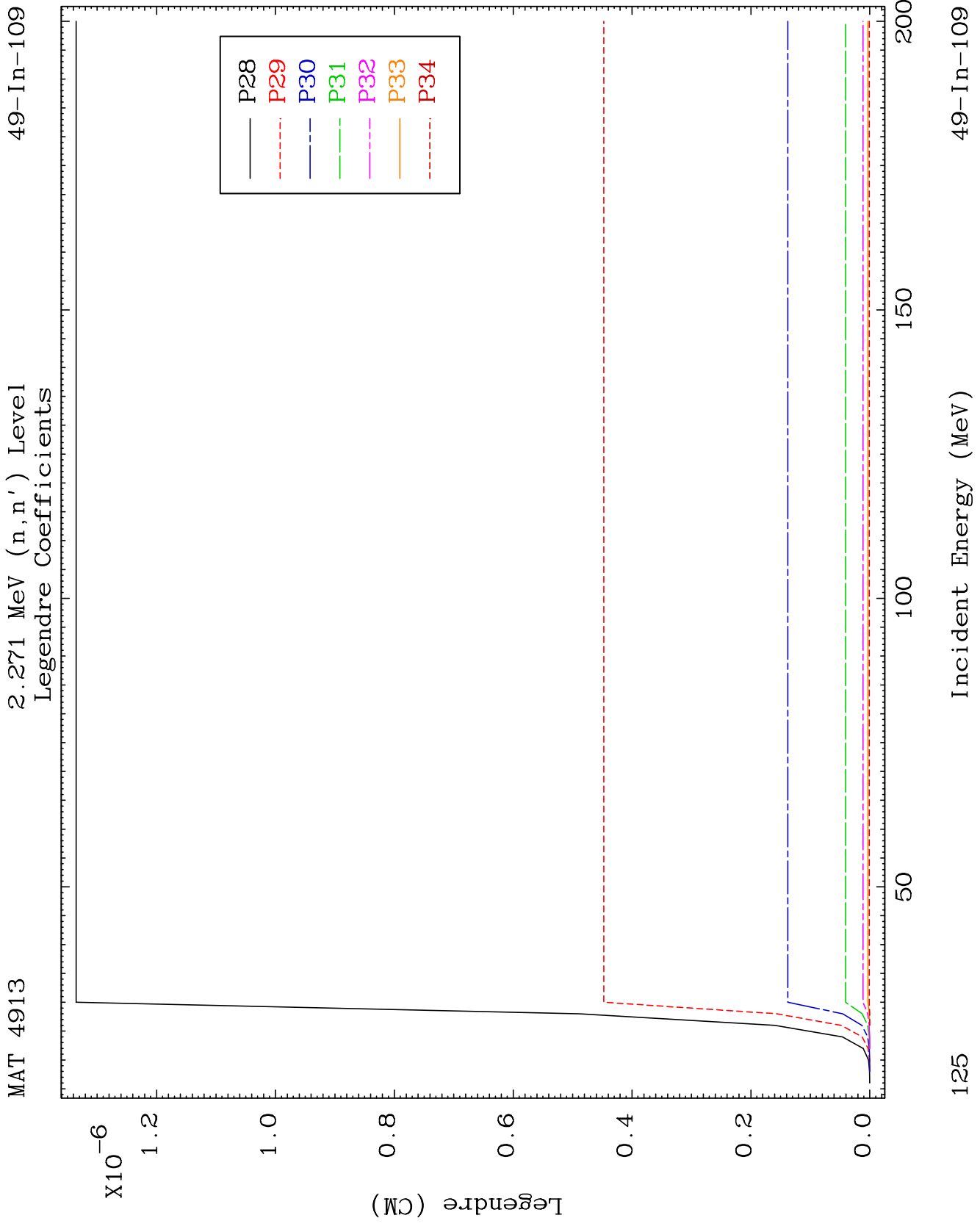


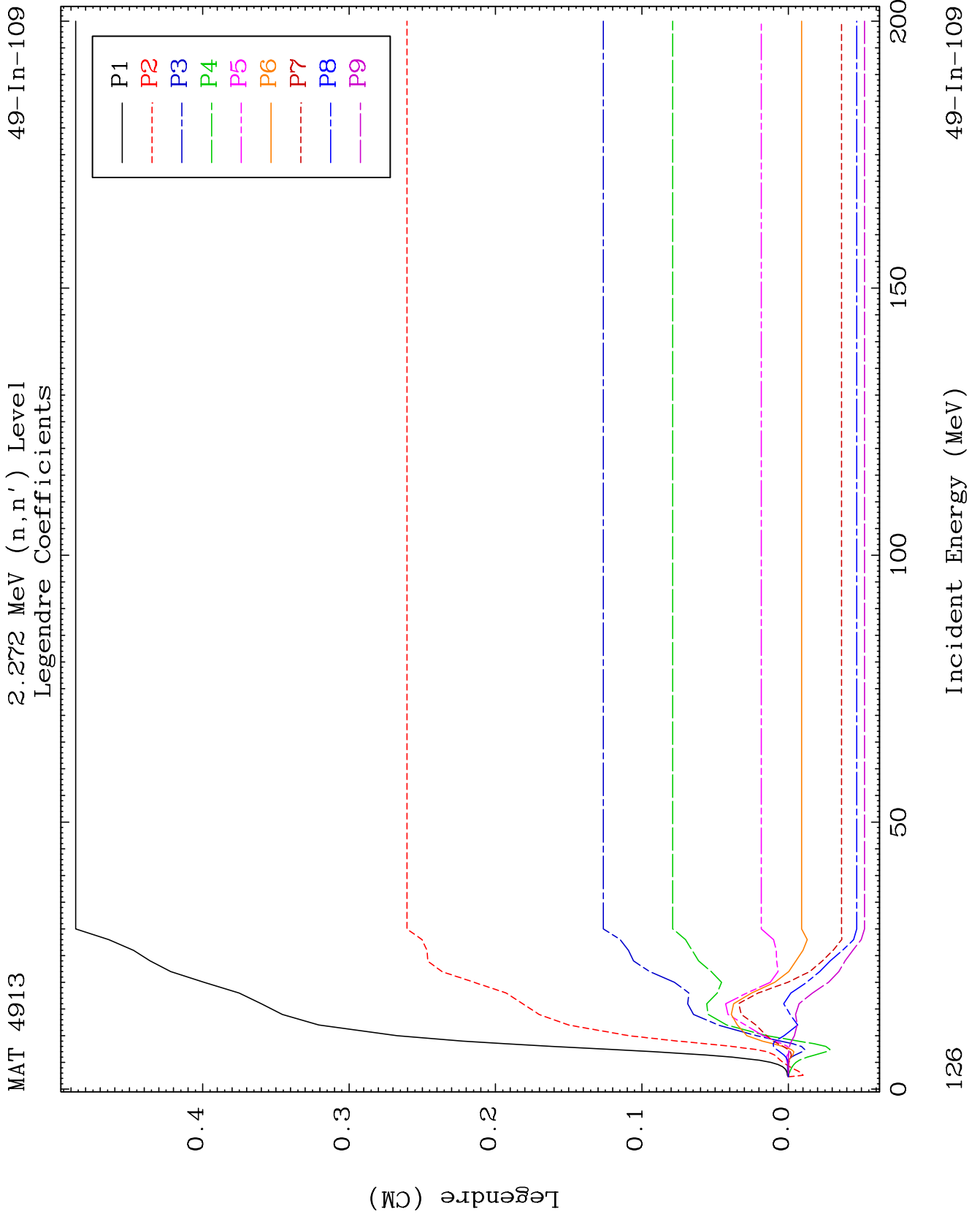
123

Incident Energy (MeV)

49-In-109



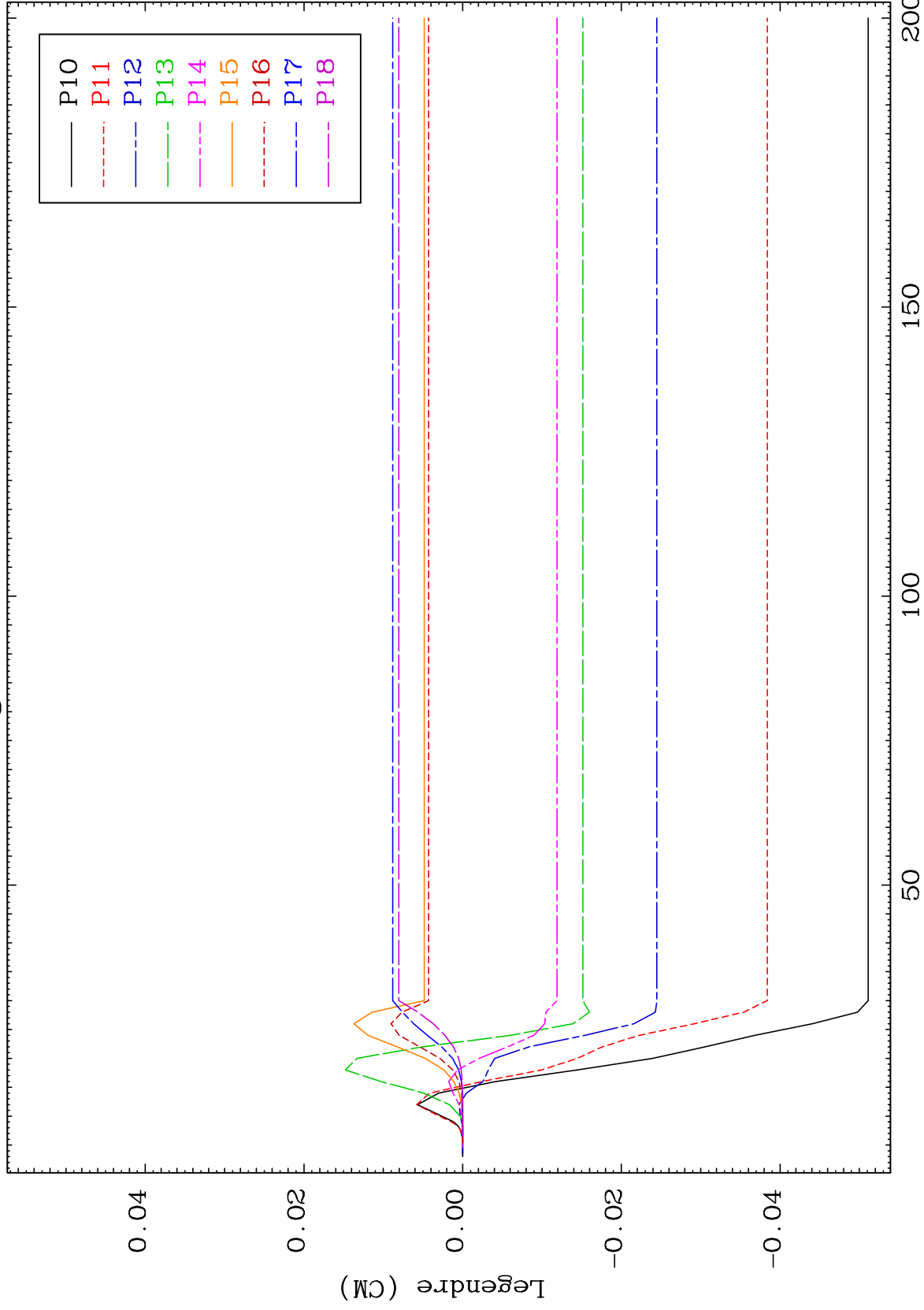




MAT 4913

2.272 MeV (n, n') Level
Legendre Coefficients

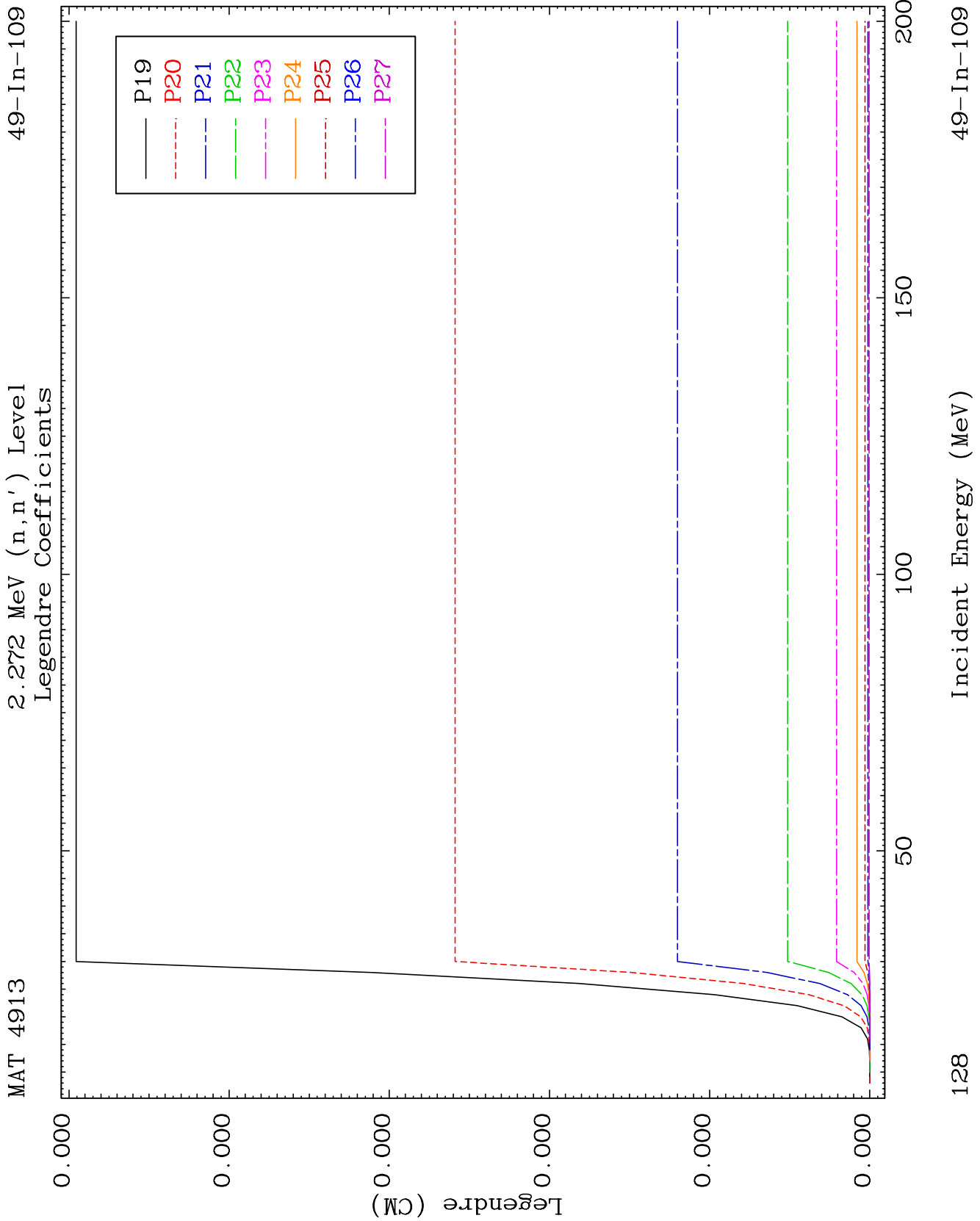
49-In-109

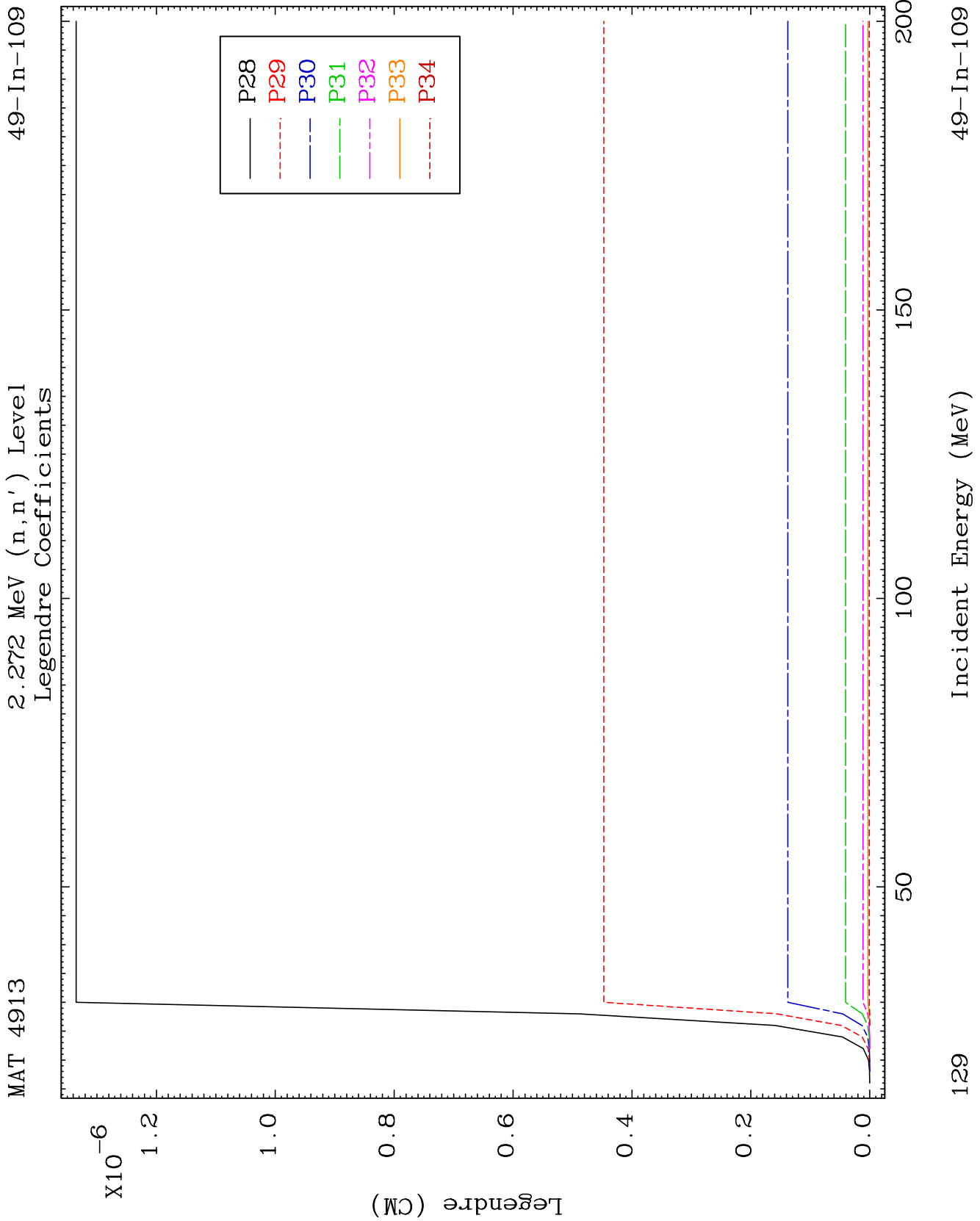


127

Incident Energy (MeV)

49-In-109

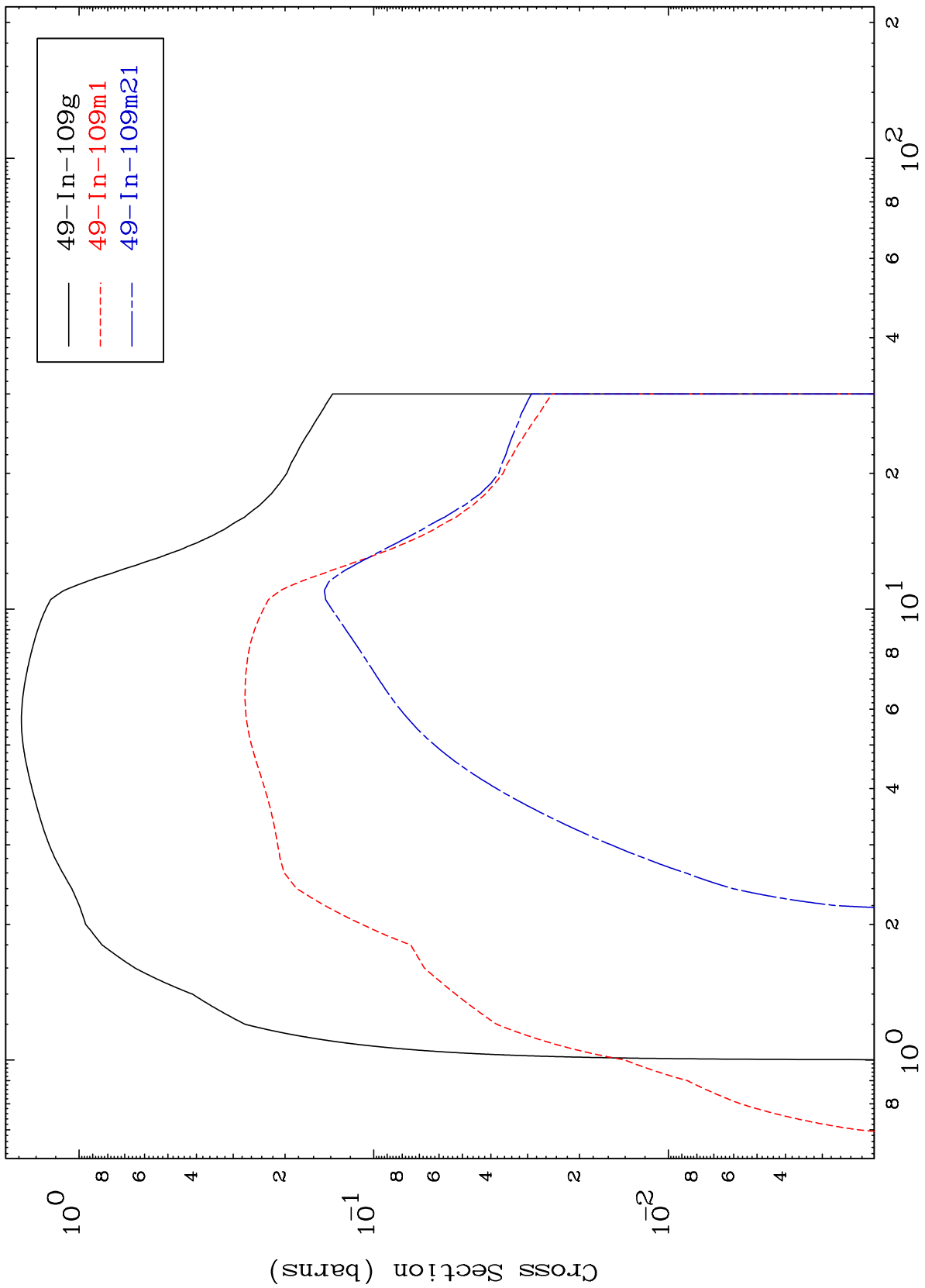




MAT 4913

49-In-109

Inelastic
Radionuclide Production Cross Section



130

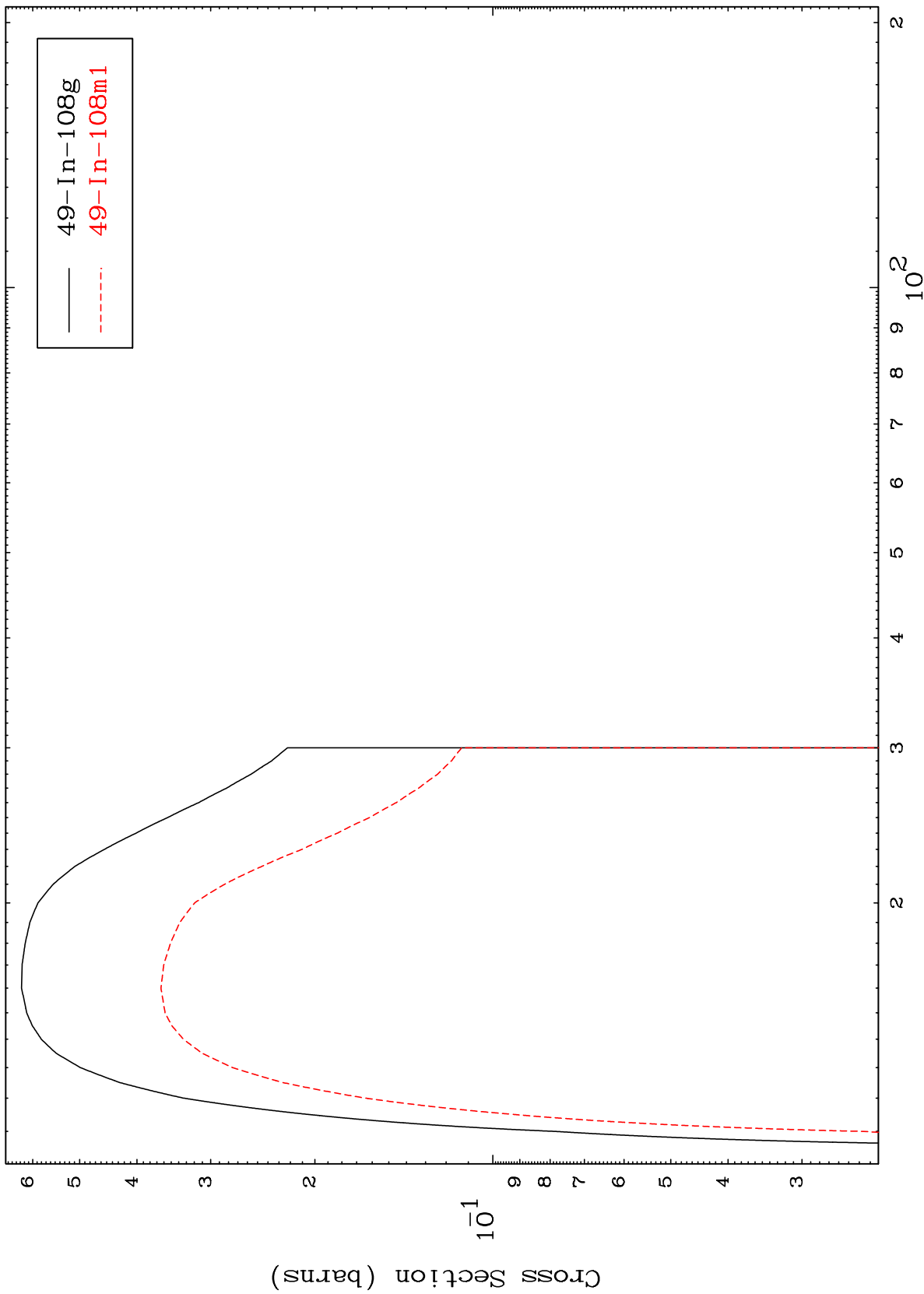
49-In-109

Incident Energy (MeV)

MAT 4913

49-In-109

(n,2n)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

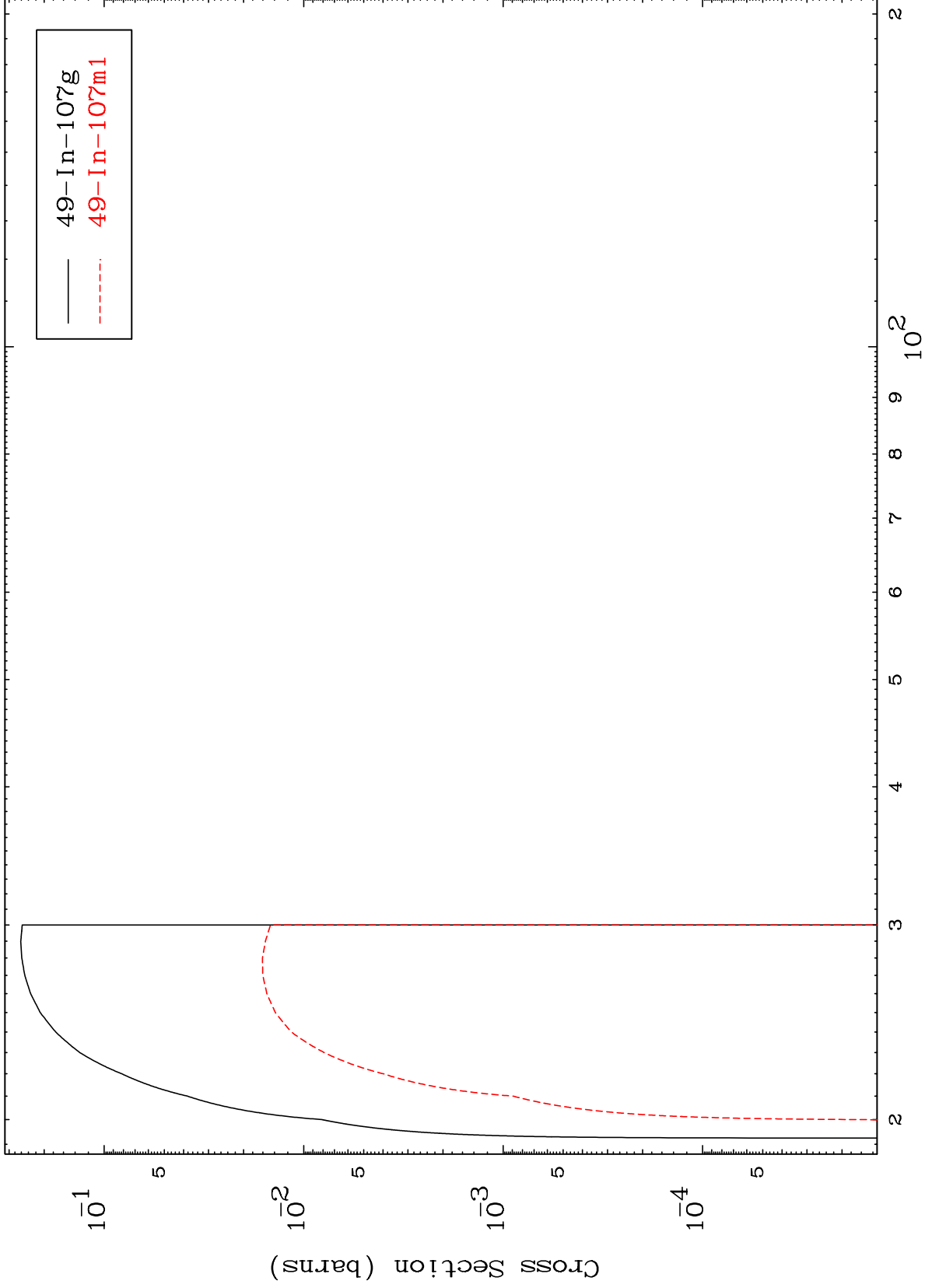
49-In-109

MAT 4913

(n,3n)

49-In-109

Radionuclide Production Cross Section



132

Incident Energy (MeV)

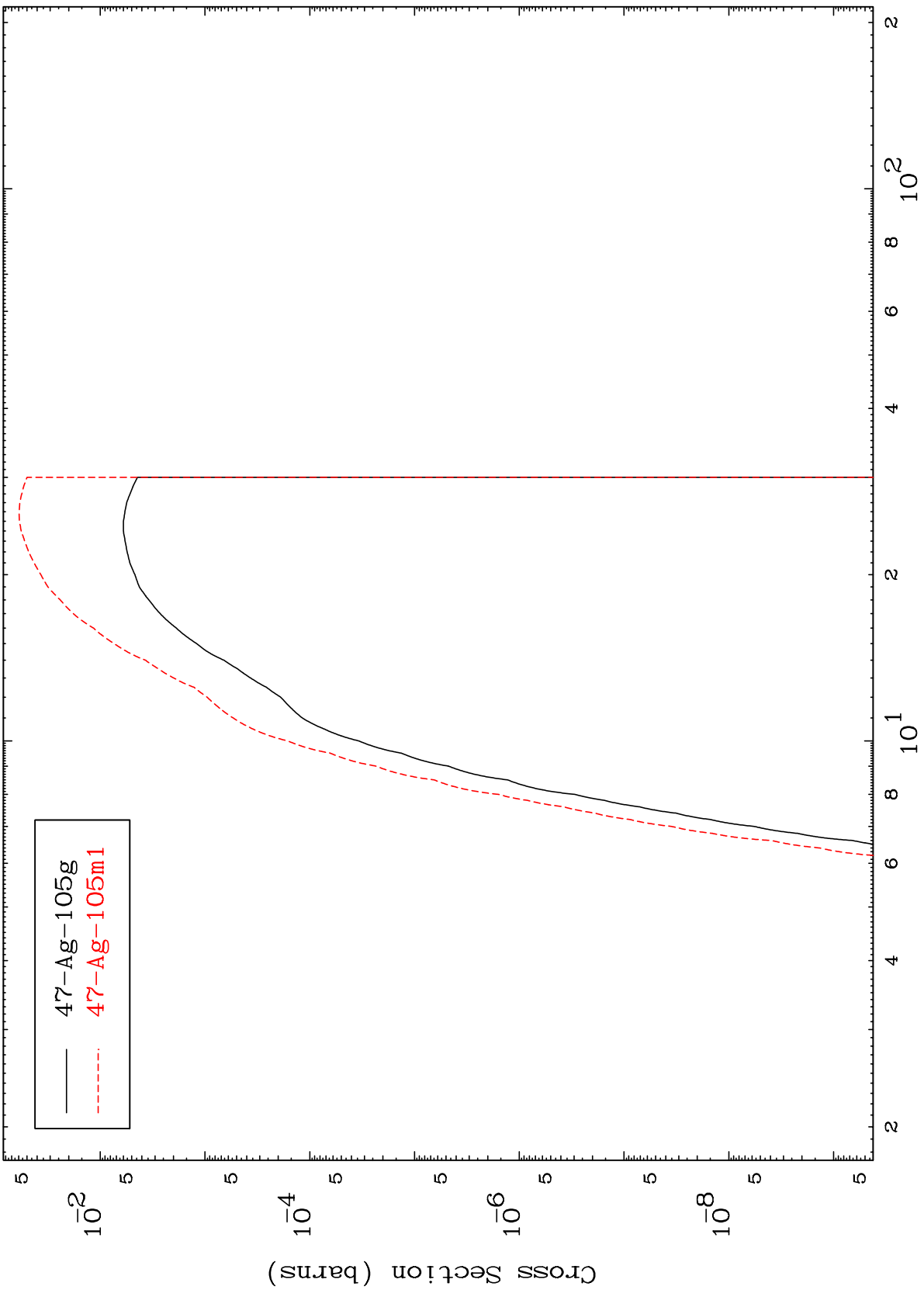
49-In-109

MAT 4913

(n,n') α

49-In-109

Radionuclide Production Cross Section



— 47-Ag-105g
- - - 47-Ag-105m1

133

Incident Energy (MeV)

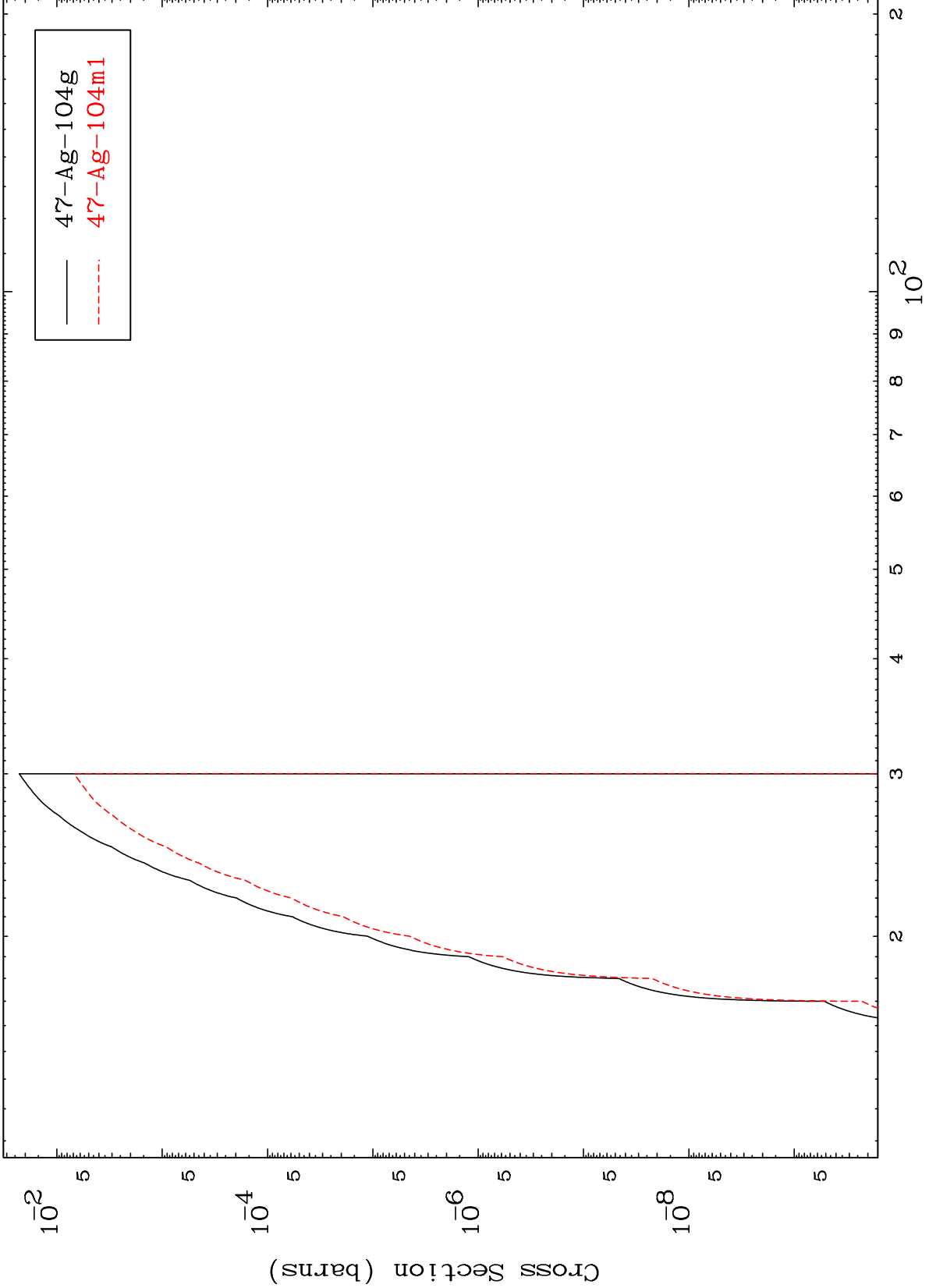
49-In-109

MAT 4913

(n,2n) α

49-In-109

Radionuclide Production Cross Section



134

Incident Energy (MeV)

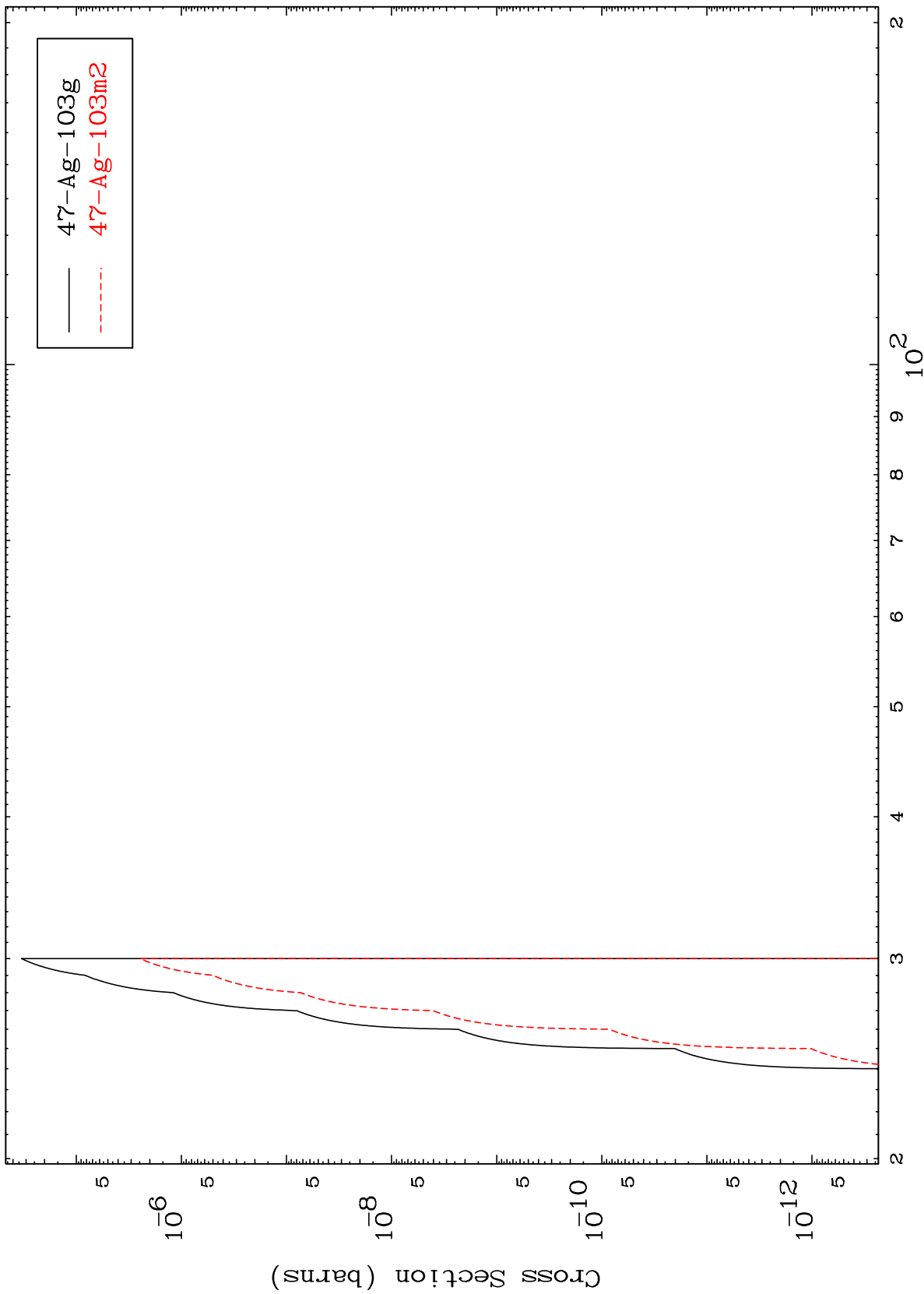
49-In-109

MAT 4913

(n,3n) α

49-In-109

Radionuclide Production Cross Section



135

Incident Energy (MeV)

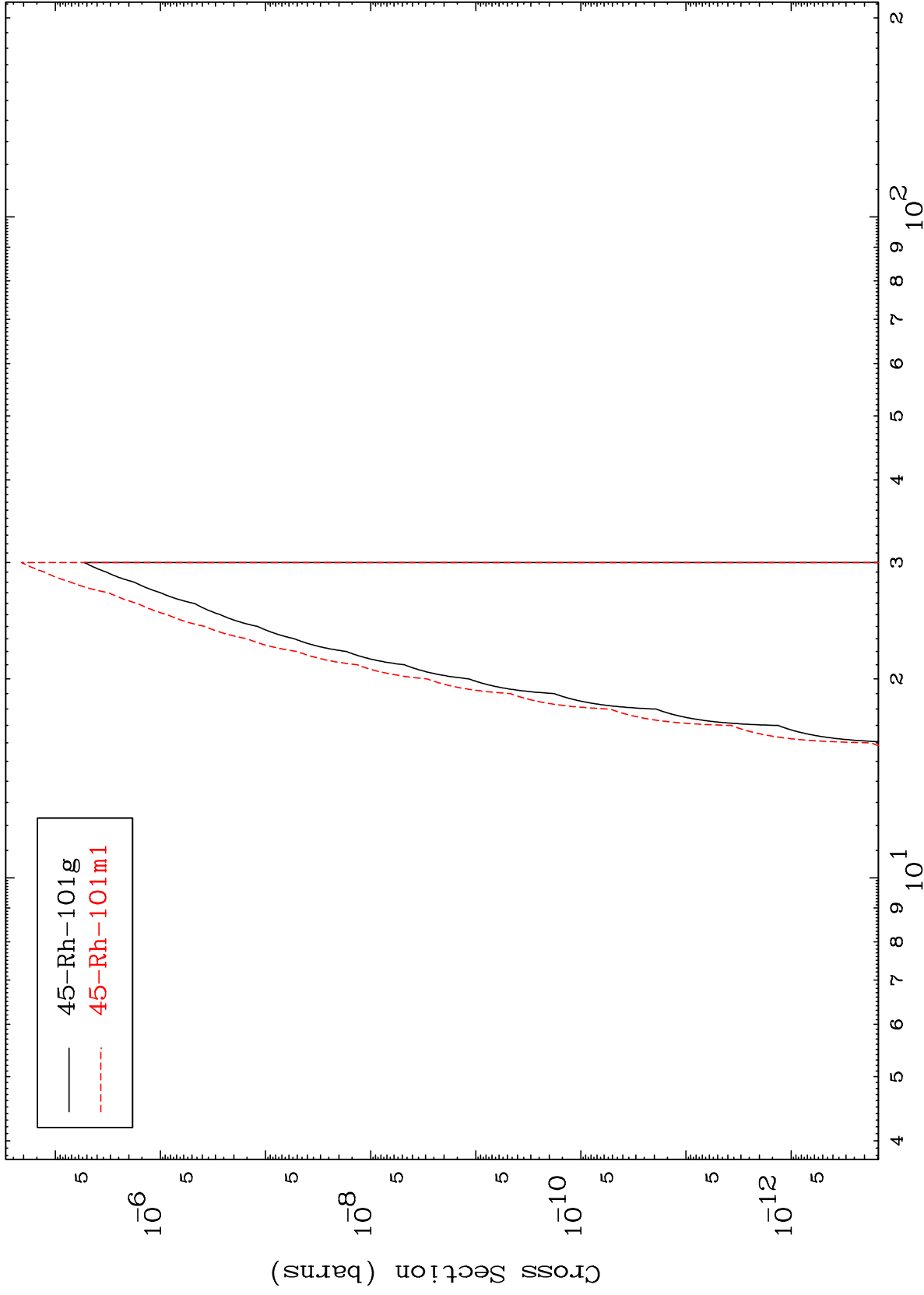
49-In-109

MAT 4913

(n,n') 2α

49-In-109

Radionuclide Production Cross Section



— 45-Rh-101g
- - - 45-Rh-101m1

136

Incident Energy (MeV)

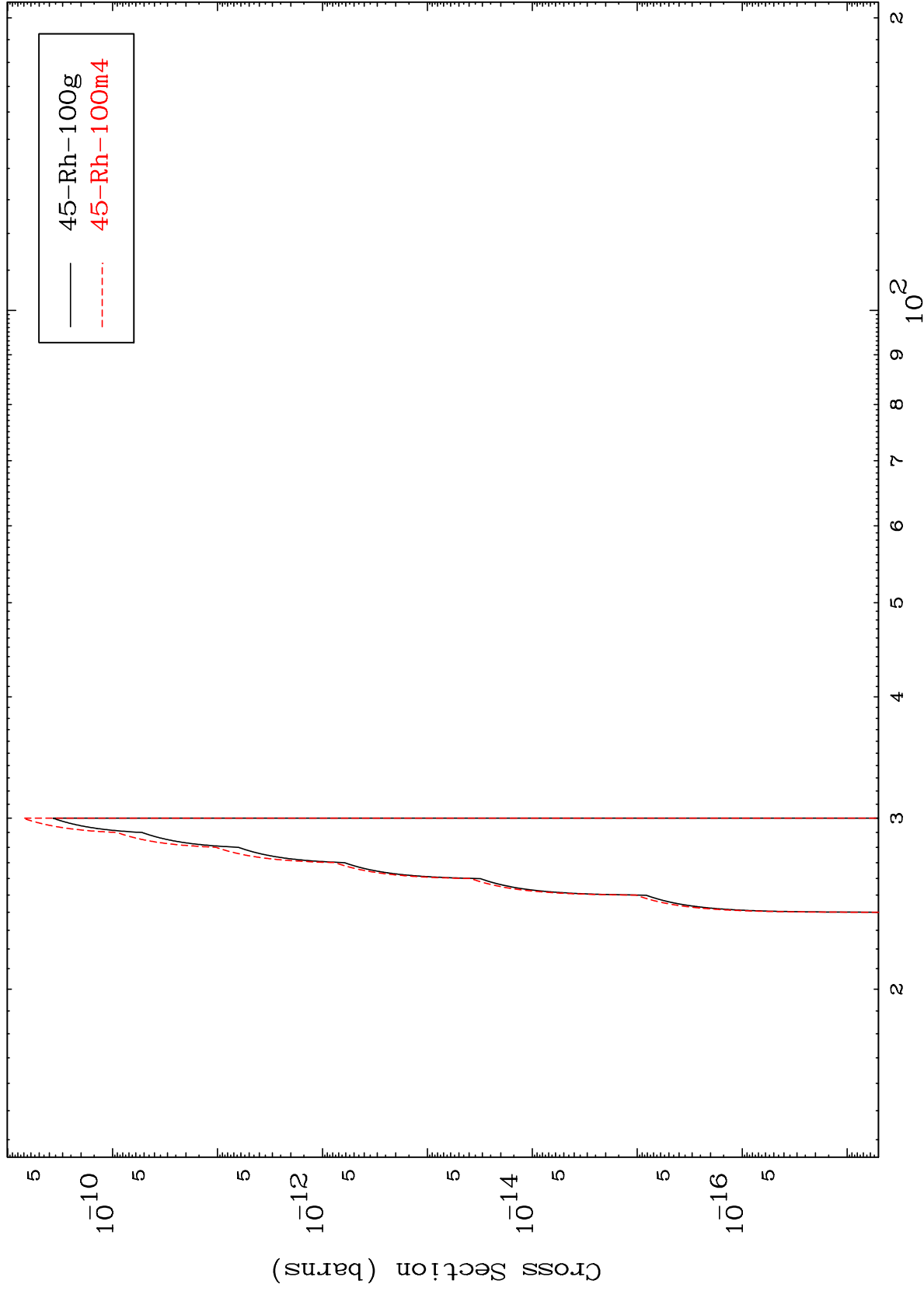
49-In-109

MAT 4913

(n,2n) 2α

49-In-109

Radionuclide Production Cross Section

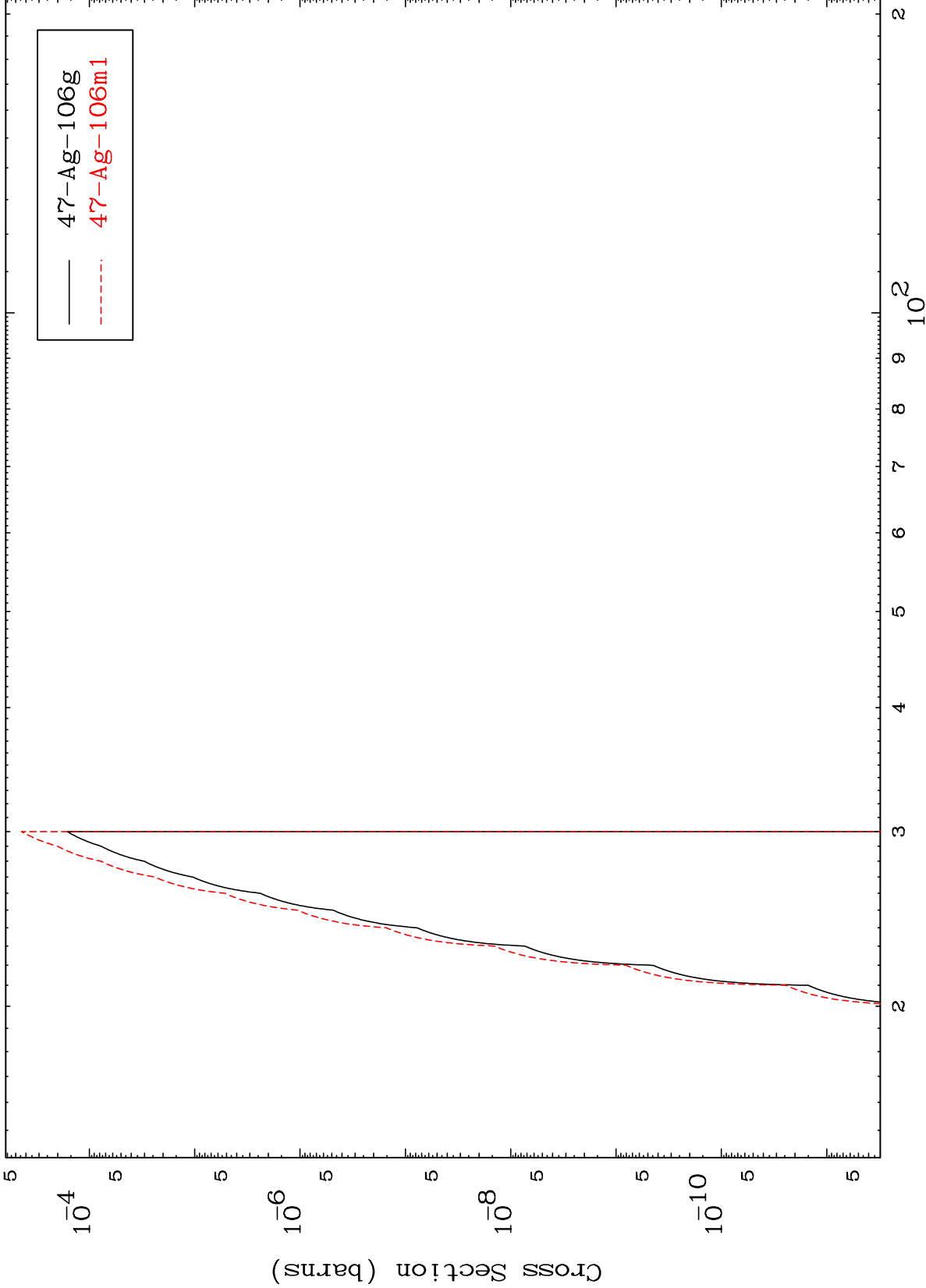


137

Incident Energy (MeV)

49-In-109

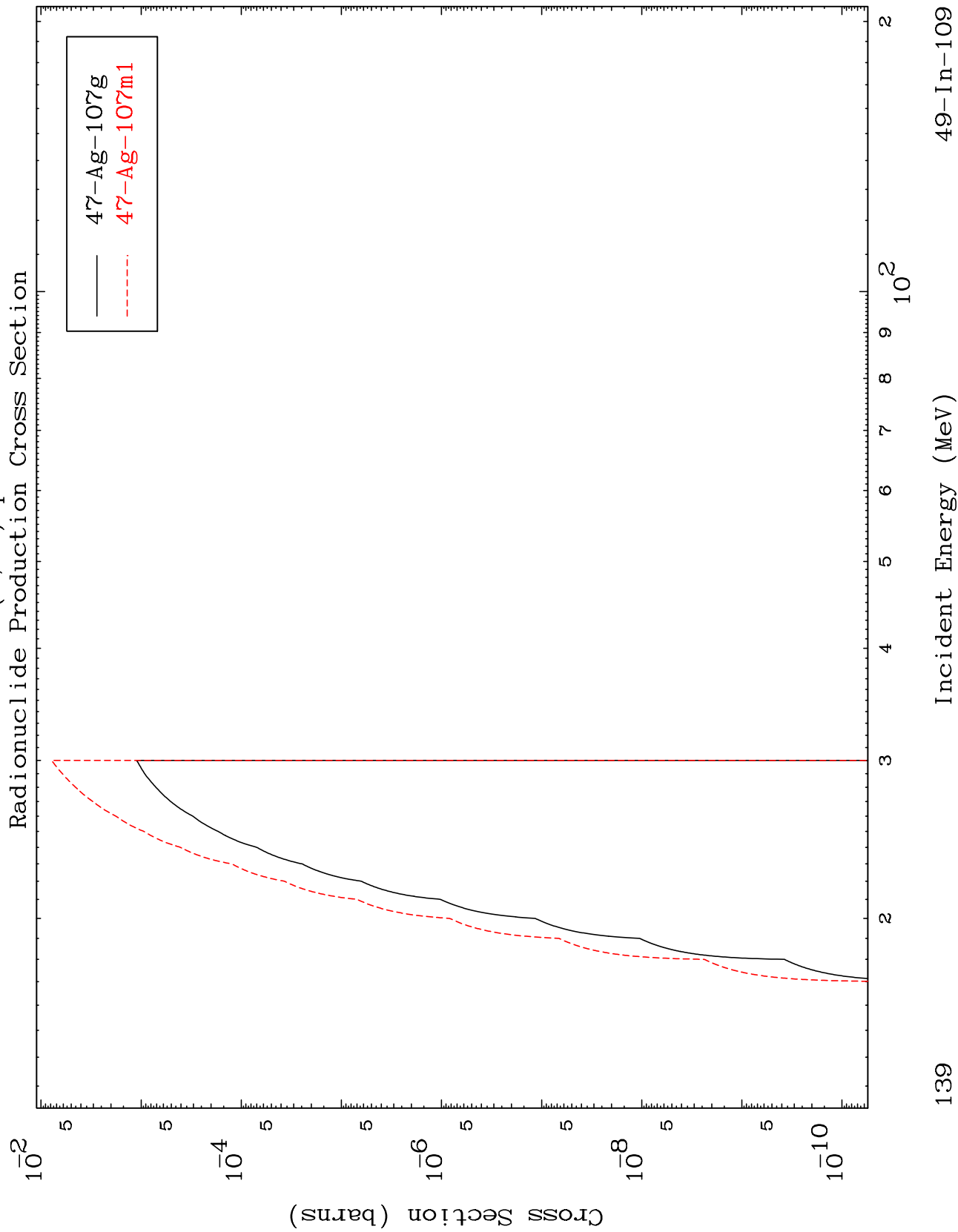
Radionuclide Production Cross Section



MAT 4913

(n,2n) p

49-In-109



139

Incident Energy (MeV)

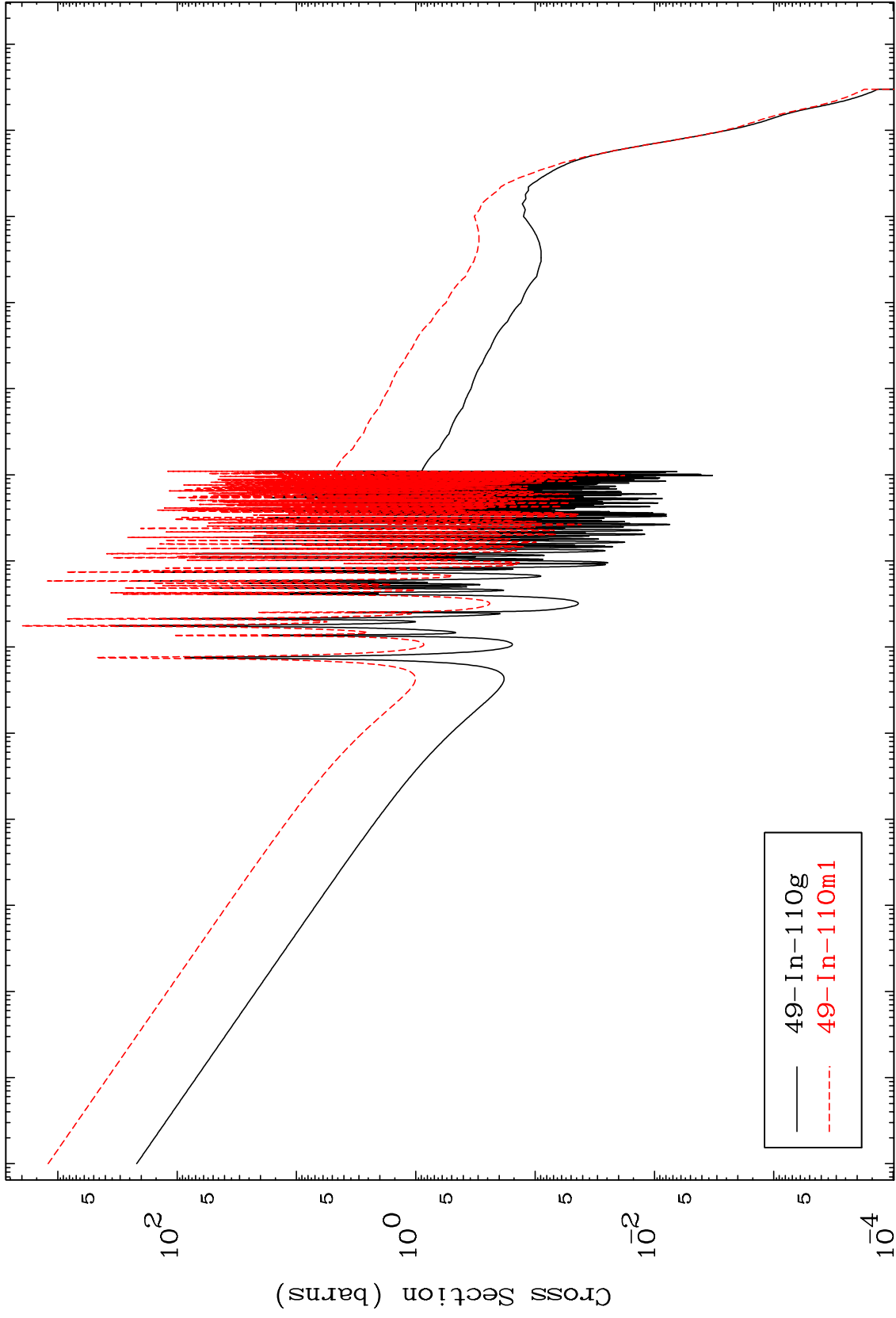
49-In-109

MAT 4913

49-In-109

Radionuclide Production Cross Section

(n, γ)



— 49-In-110g
- - - 49-In-110m1

49-In-109

Incident Energy (MeV)

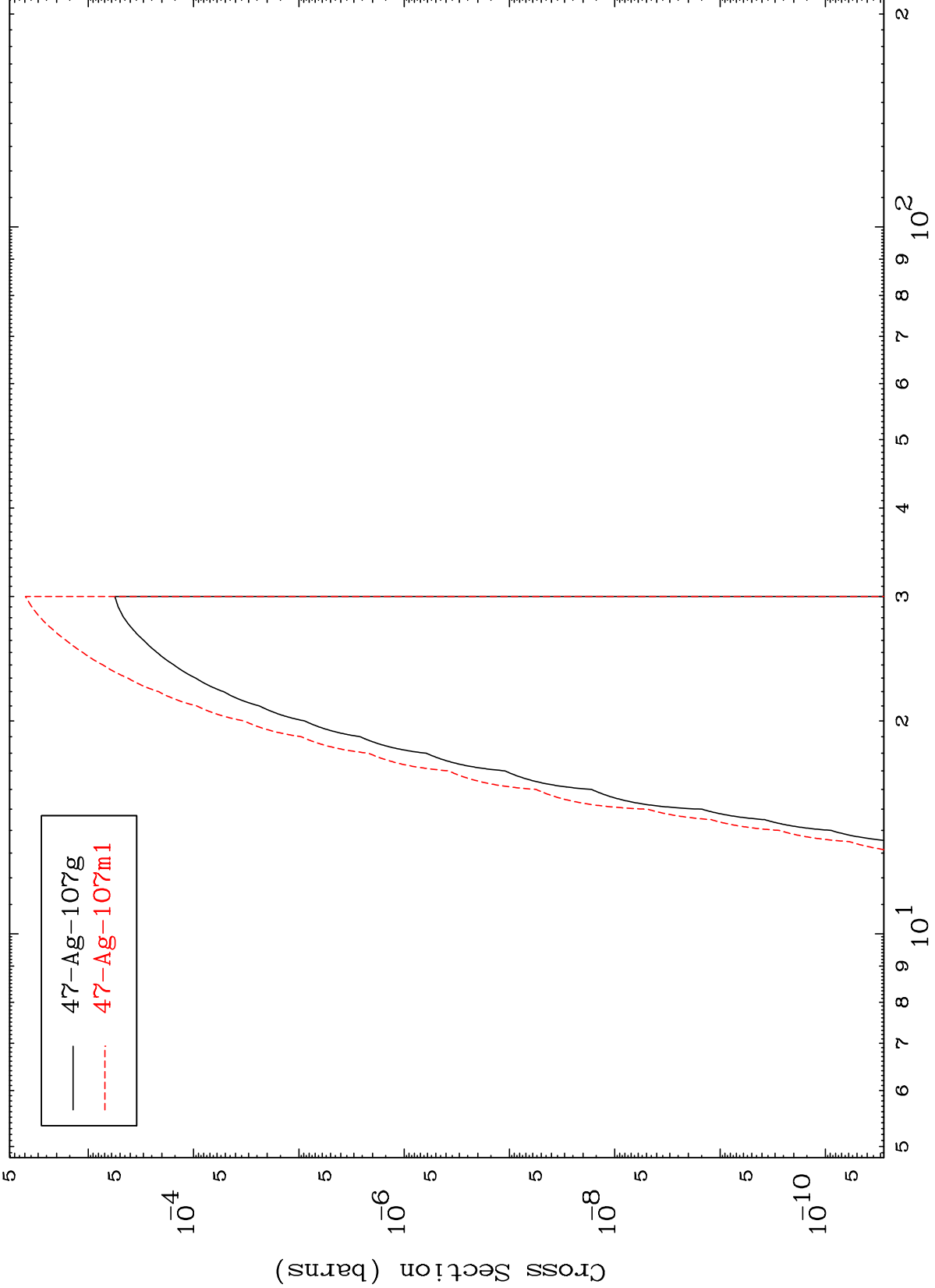
140

MAT 4913

(n,He-3)

49-In-109

Radionuclide Production Cross Section



— 47-Ag-107g
- - - 47-Ag-107m1

141

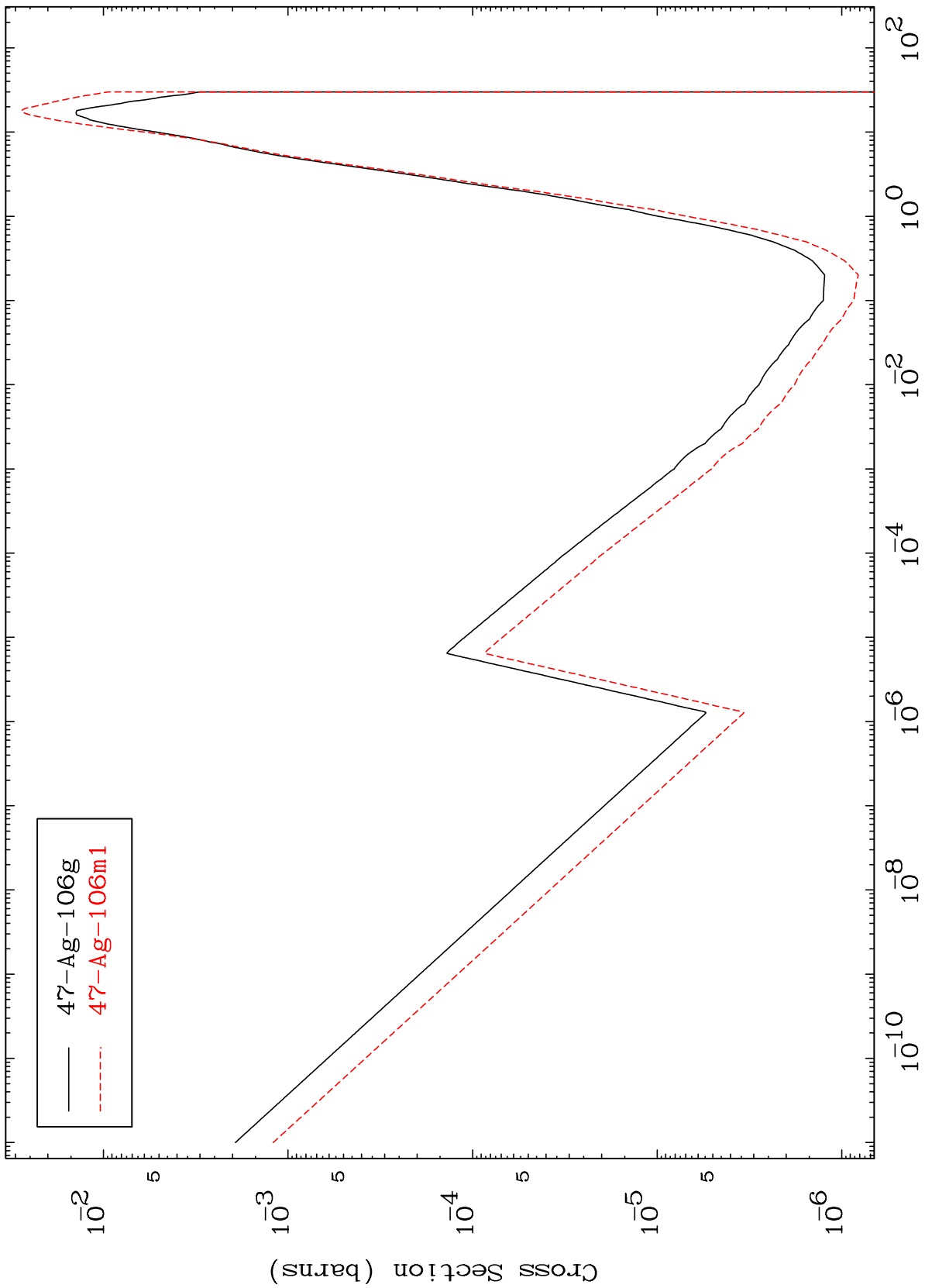
Incident Energy (MeV)

49-In-109

MAT 4913

49-In-109

Radionuclide Production Cross Section
(n, α)



142

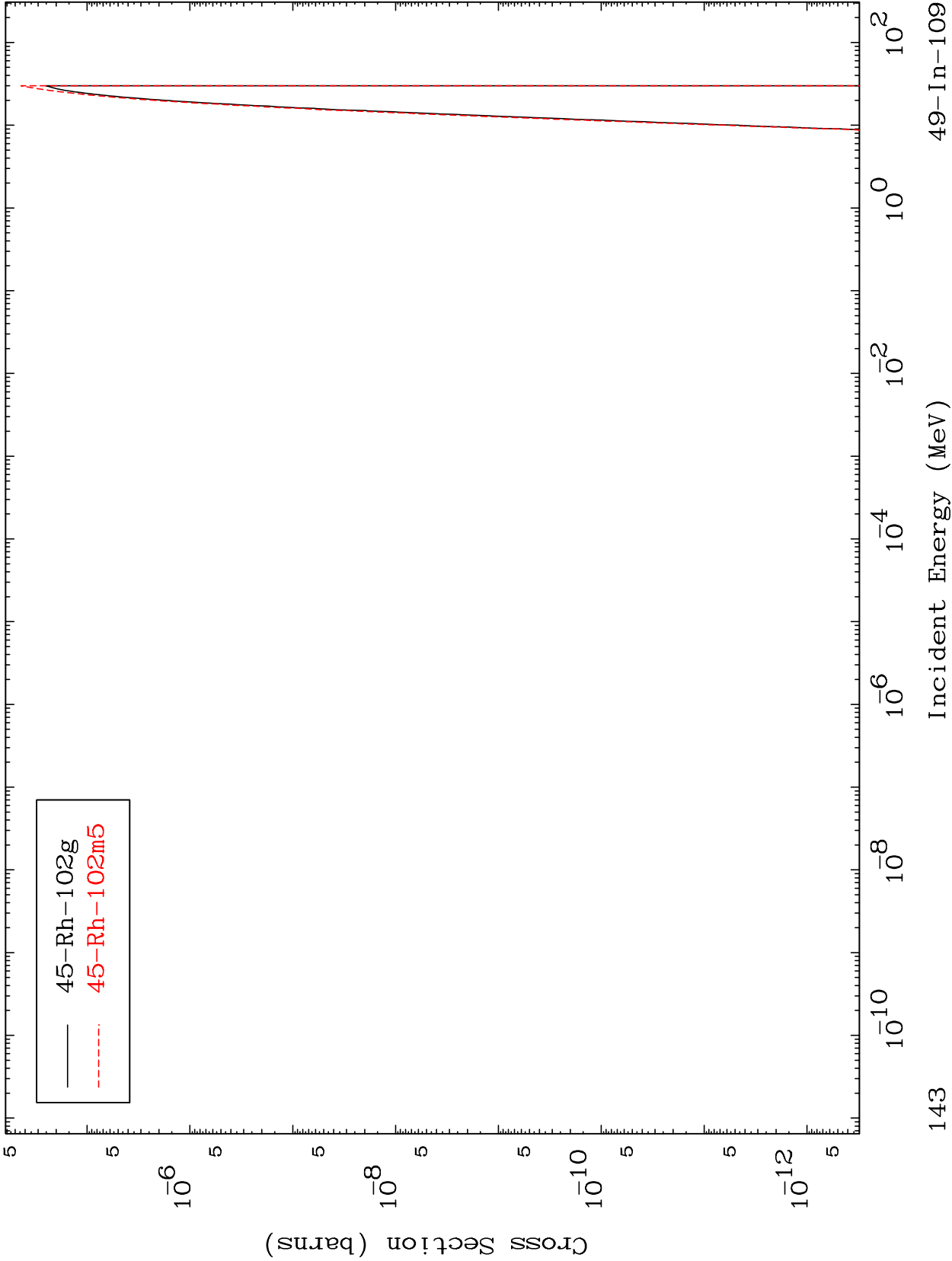
49-In-109

MAT 4913

(n,2α)

49-In-109

Radionuclide Production Cross Section



143

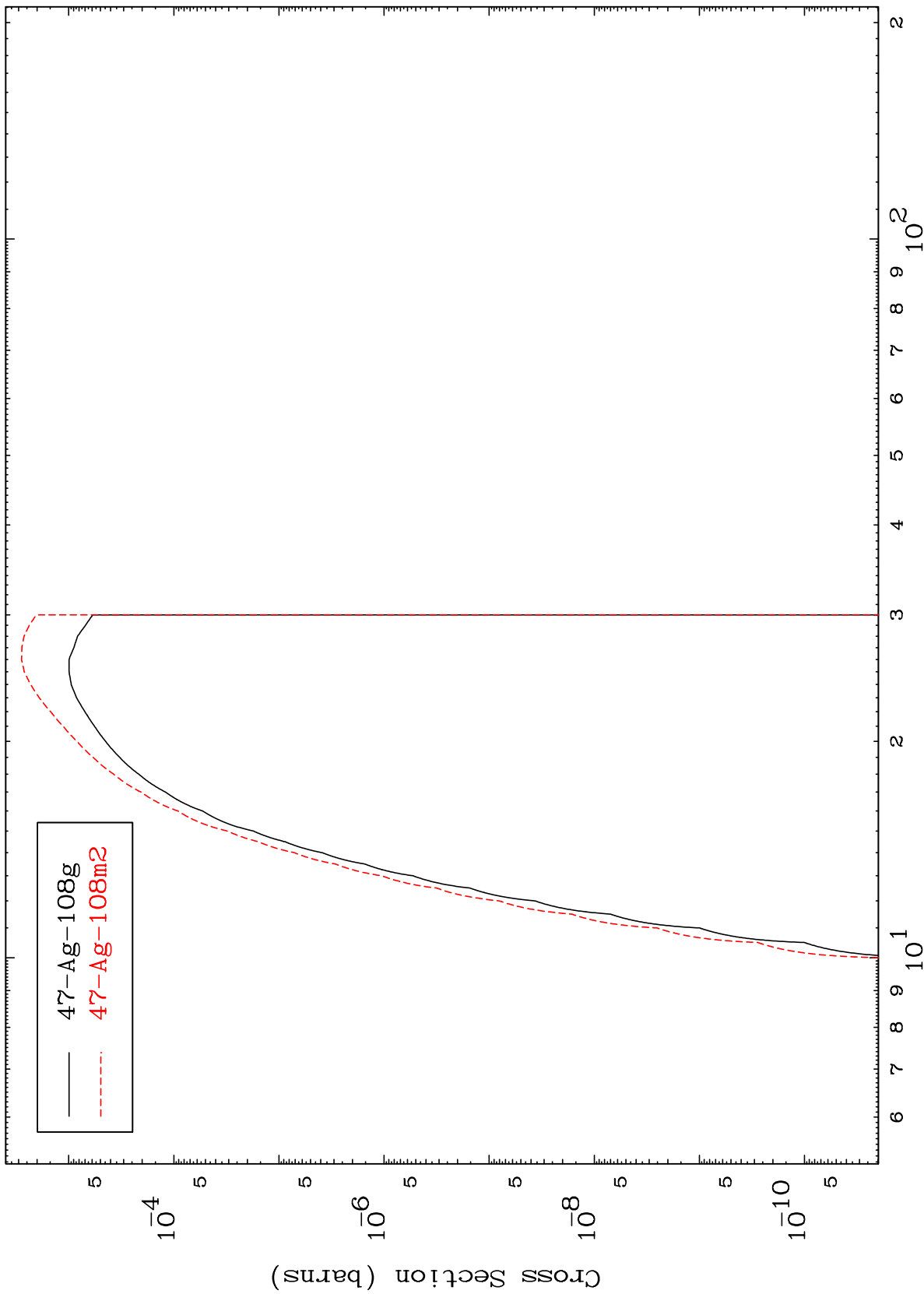
Incident Energy (MeV)

49-In-109

MAT 4913

49-In-109

(n,2p)
Radionuclide Production Cross Section



144

Incident Energy (MeV)

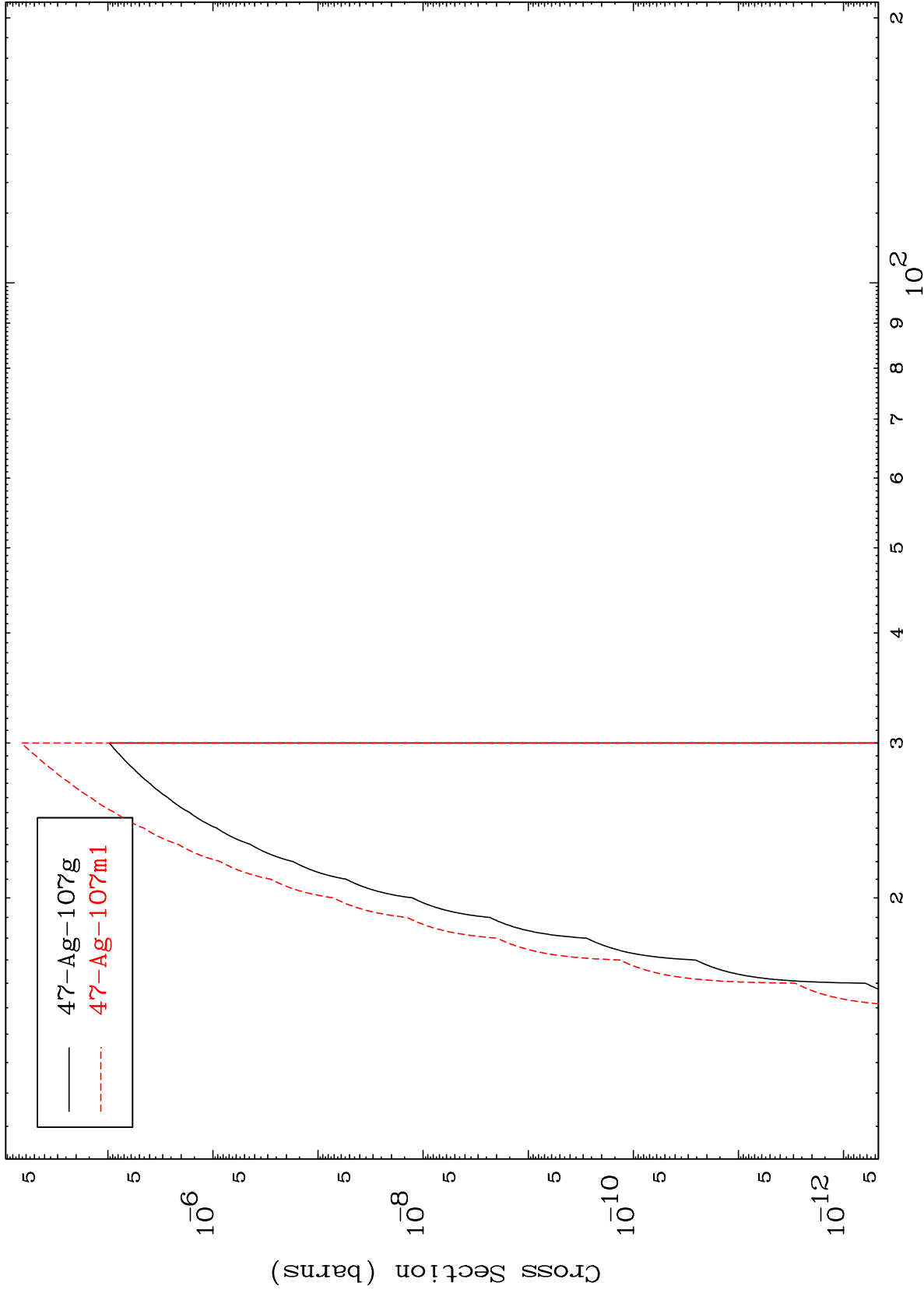
49-In-109

MAT 4913

(n,p) d

49-In-109

Radionuclide Production Cross Section



145

Incident Energy (MeV)

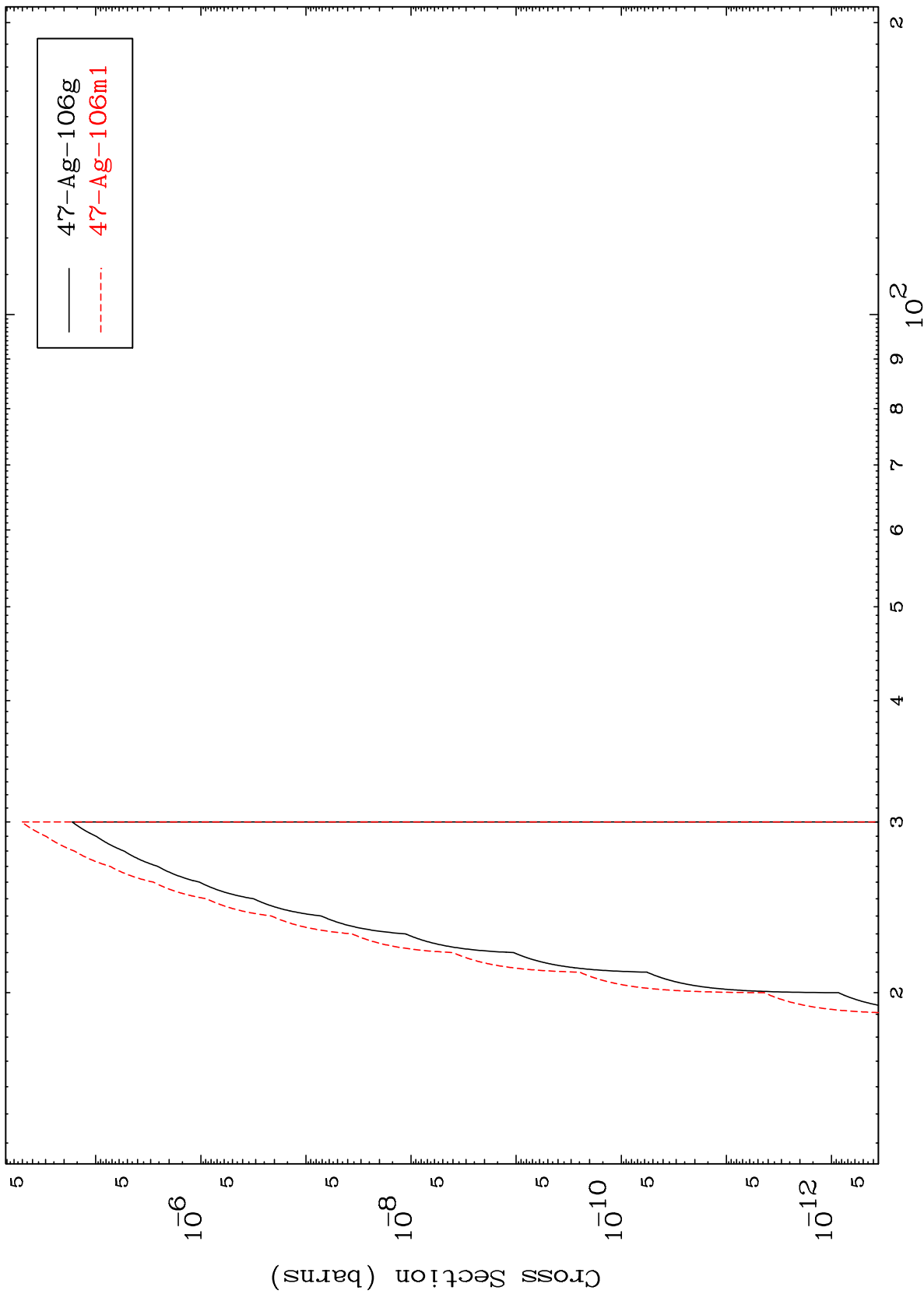
49-In-109

MAT 4913

(n,p) t

49-In-109

Radionuclide Production Cross Section



146

Incident Energy (MeV)

49-In-109