

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

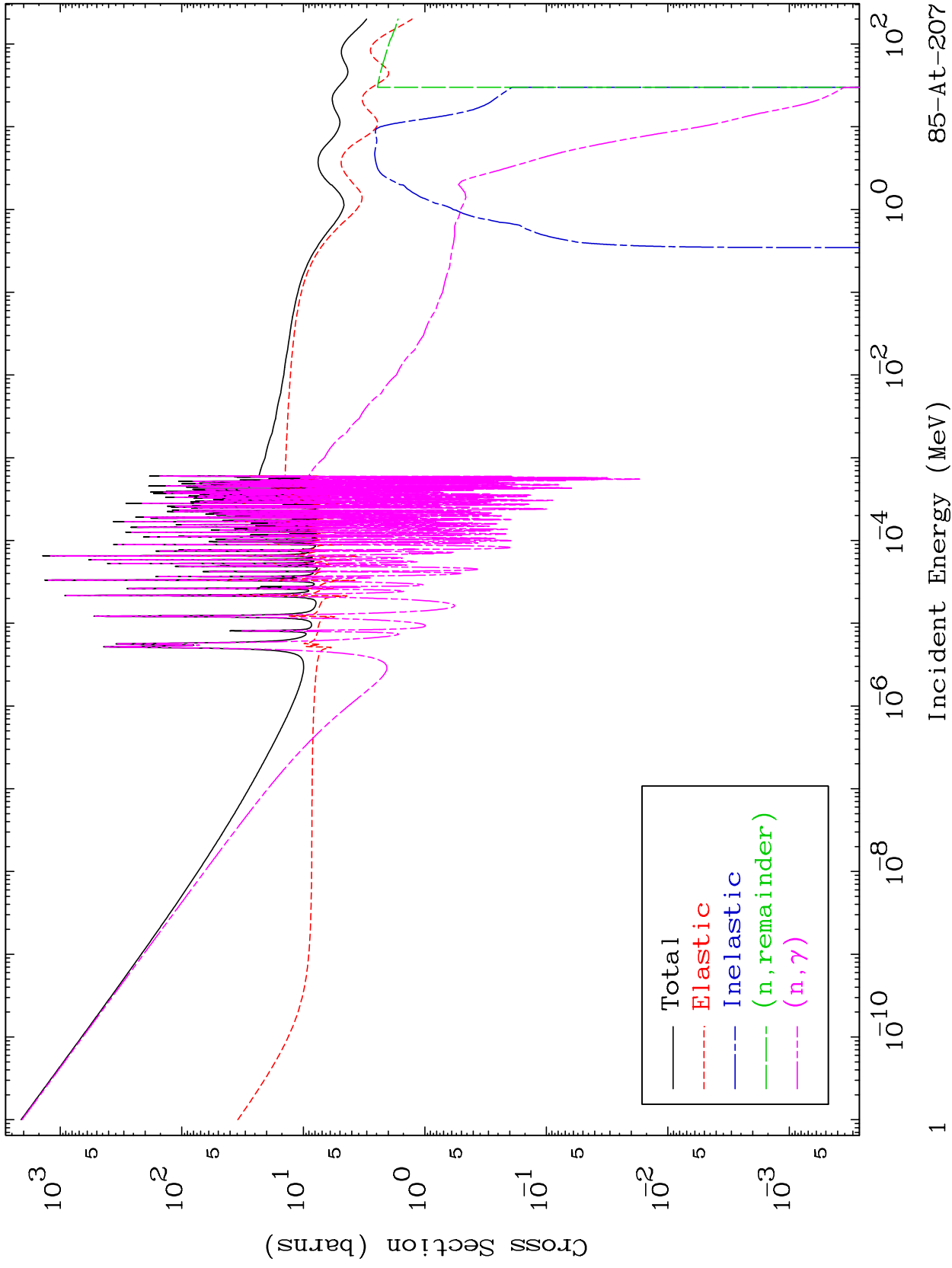
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8537

Major
293 Kelvin Cross Sections

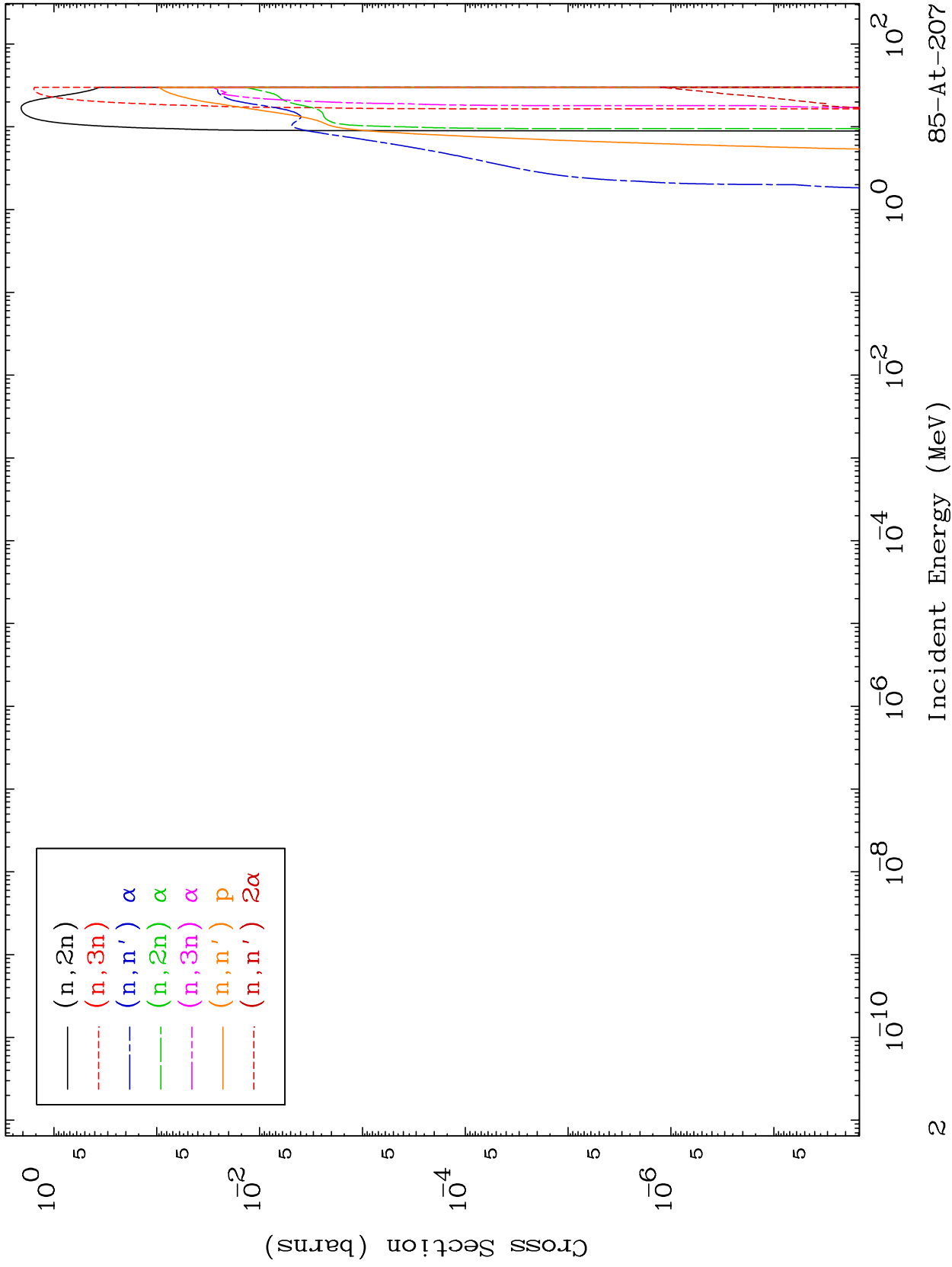
85-At-207



MAT 8537

Neutron Production
293 Kelvin Cross Sections

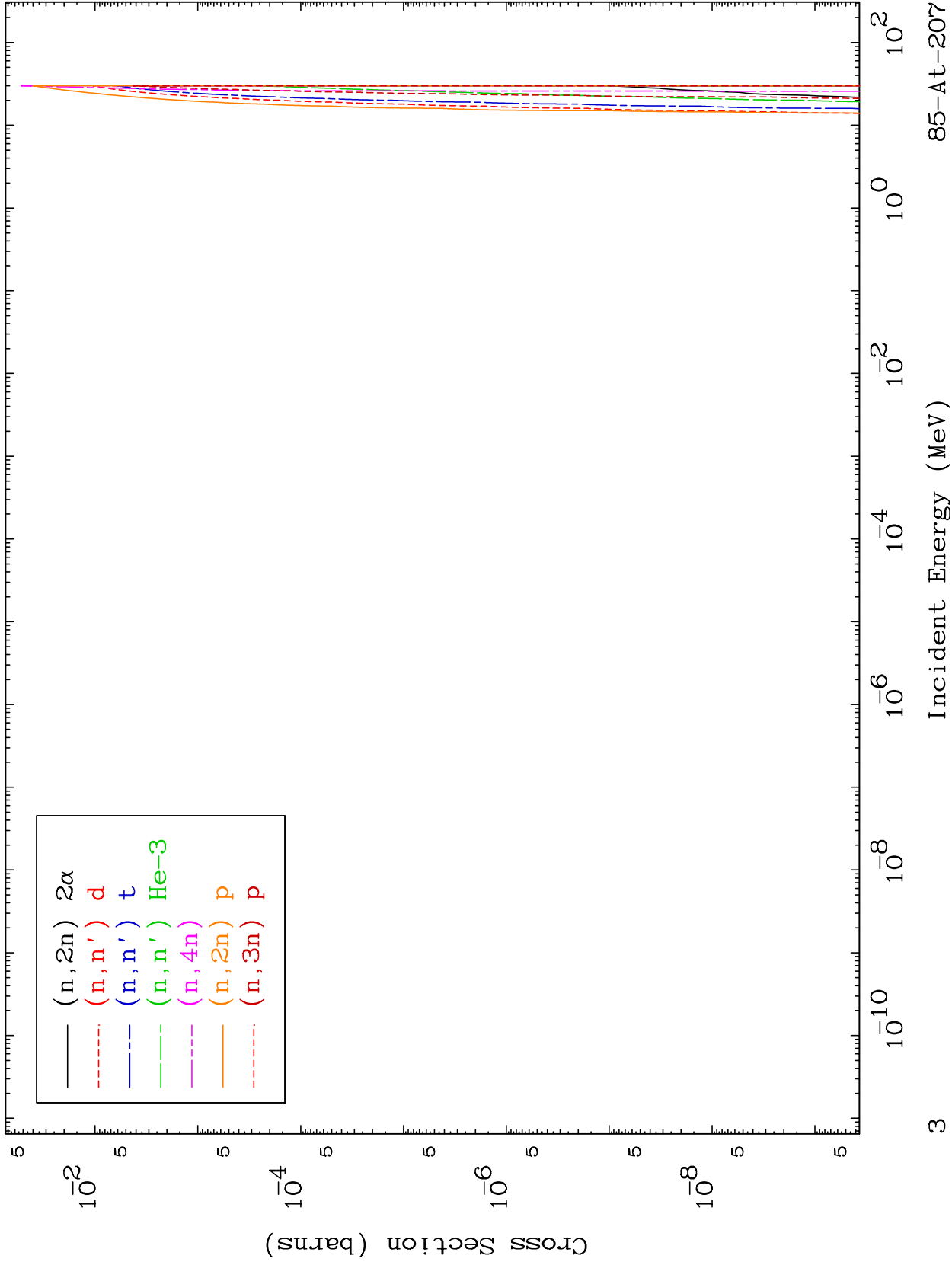
85-At-207



MAT 8537

Neutron Production
293 Kelvin Cross Sections

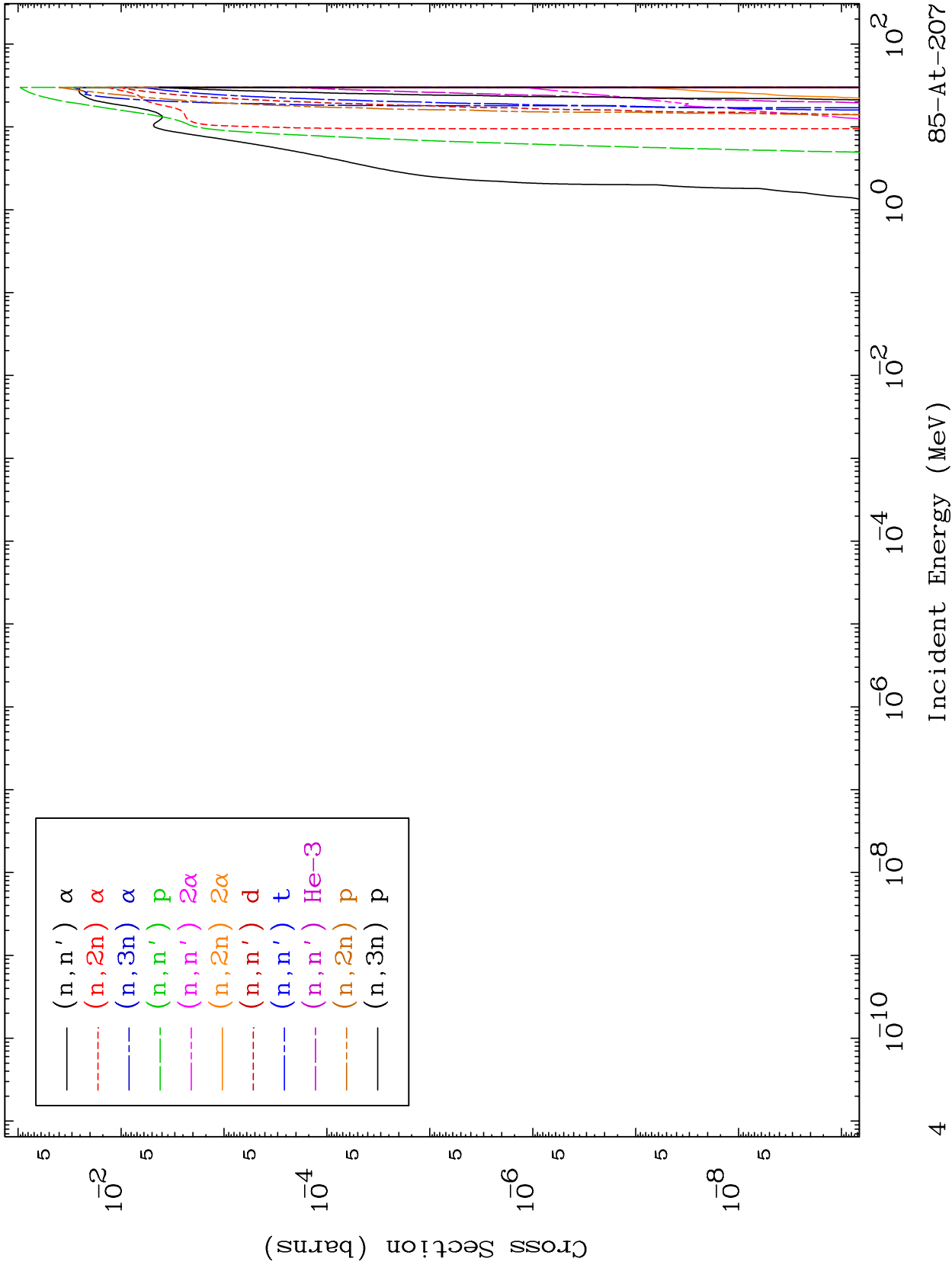
85-At-207



MAT 8537

Charged Particle
293 Kelvin Cross Sections

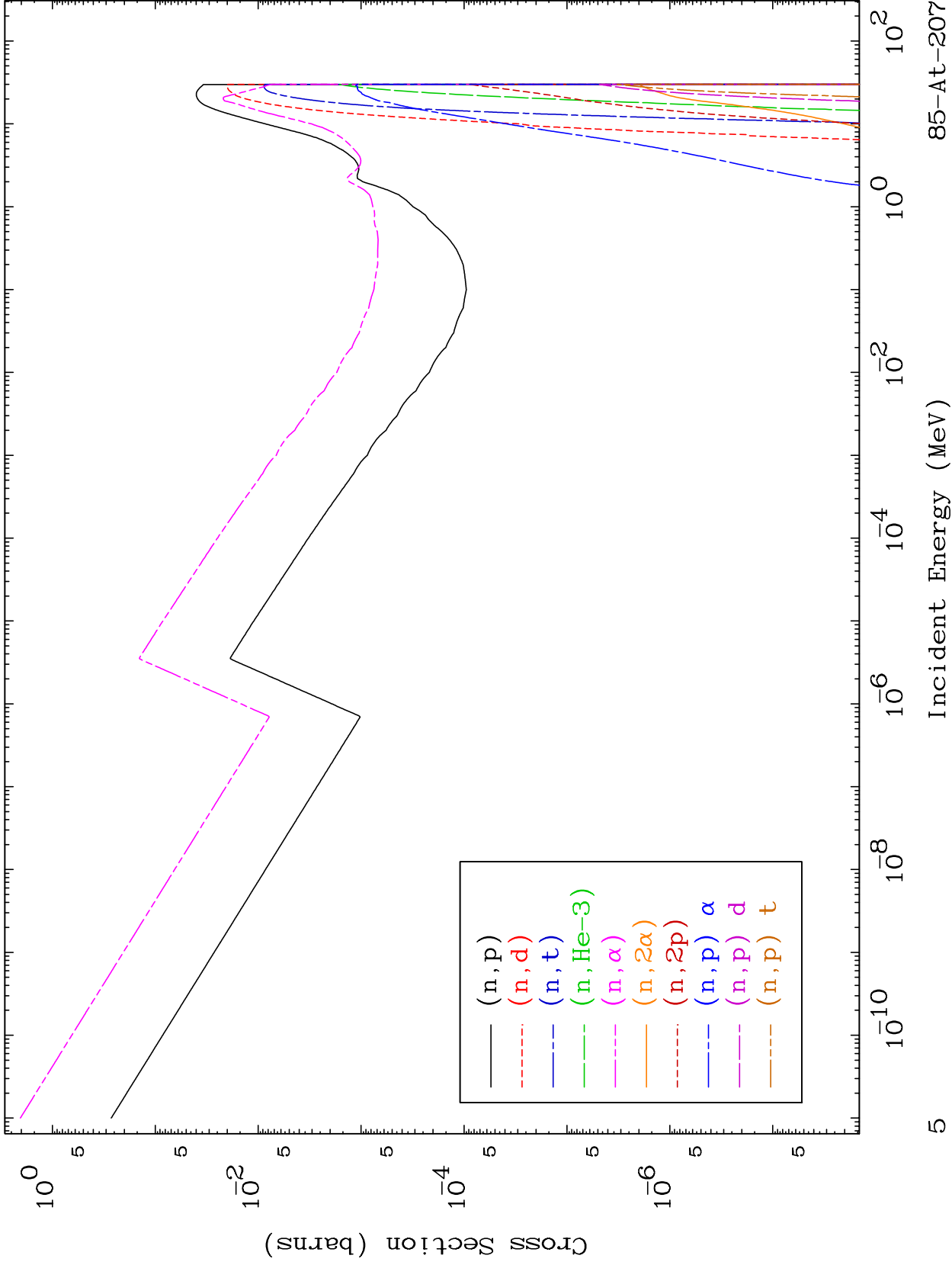
85-At-207



MAT 8537

Charged Particle
293 Kelvin Cross Sections

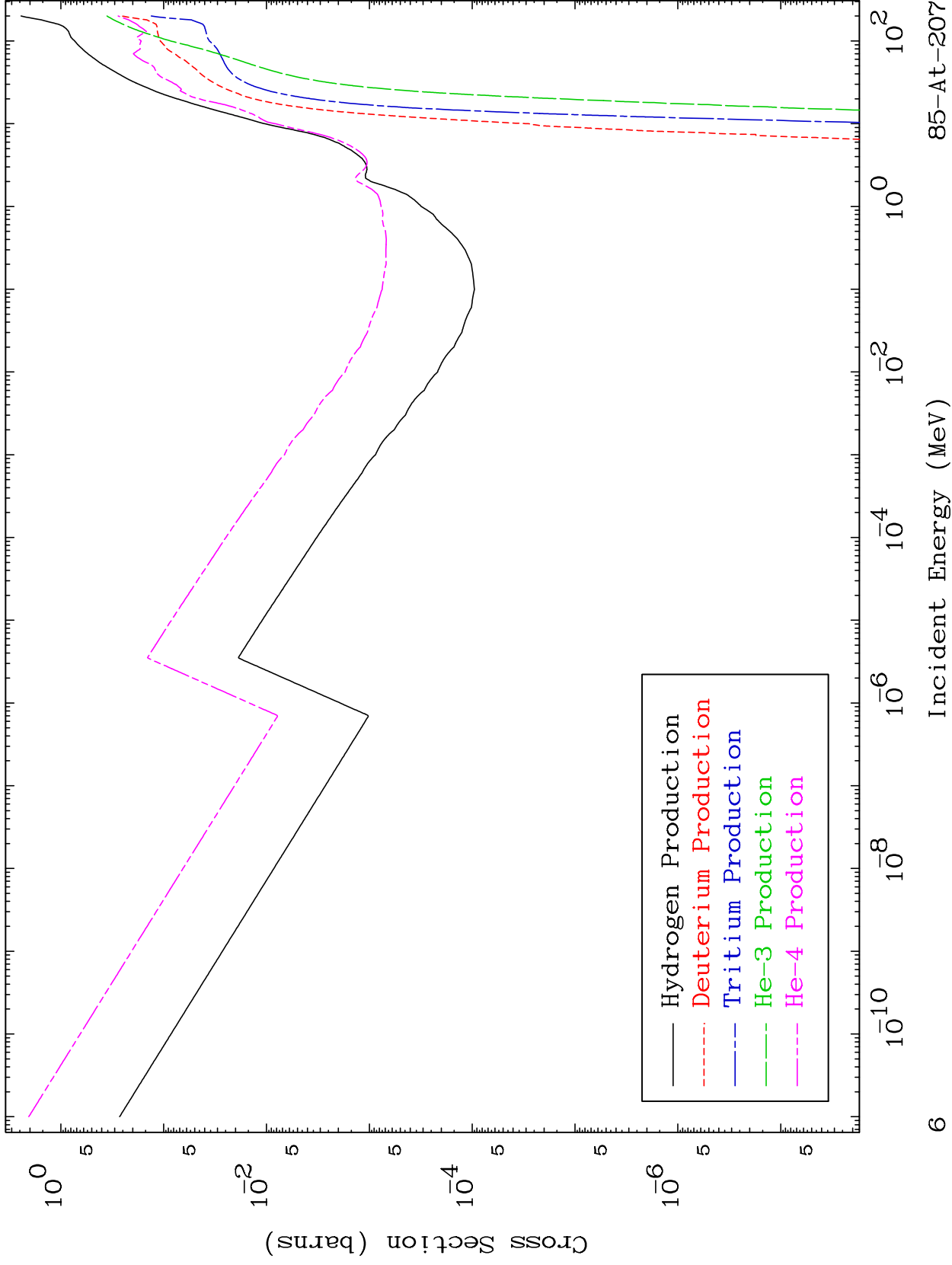
85-At-207



MAT 8537

Particle Production
293 Kelvin Cross Sections

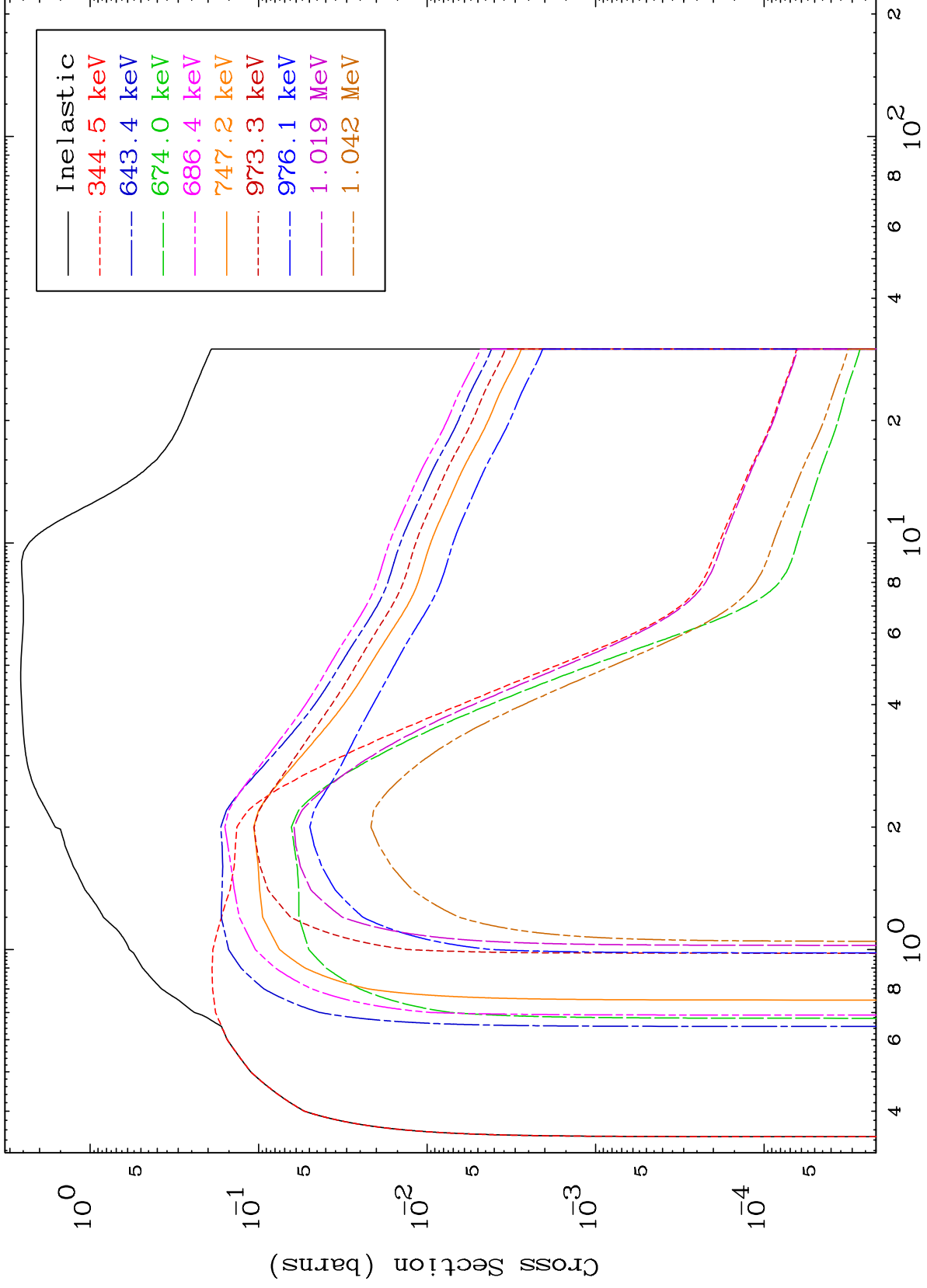
85-At-207



MAT 8537

(n,n') Level
293 Kelvin Cross Sections

85-At-207



7

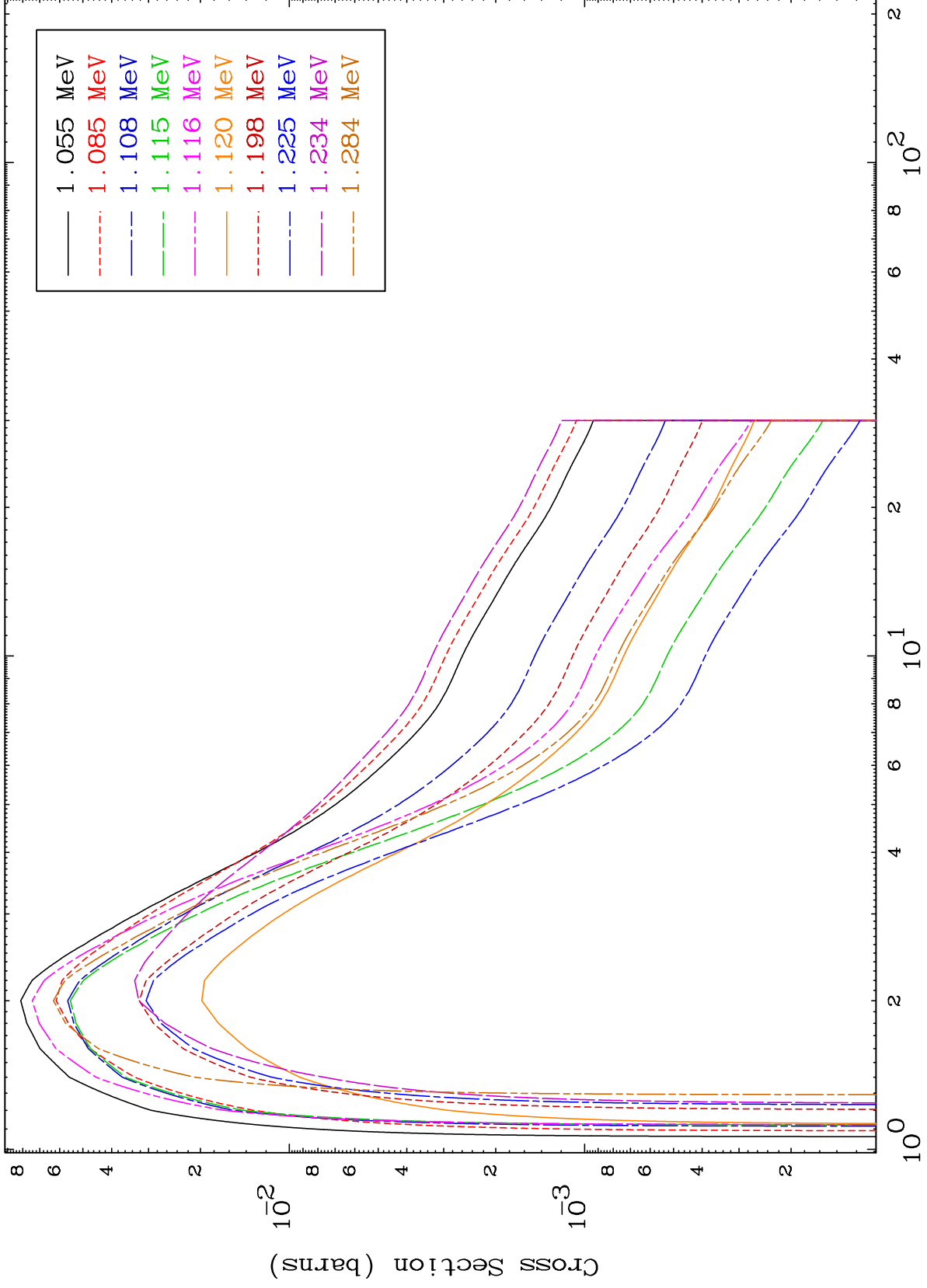
Incident Energy (MeV)

85-At-207

MAT 8537

(n,n') Level
293 Kelvin Cross Sections

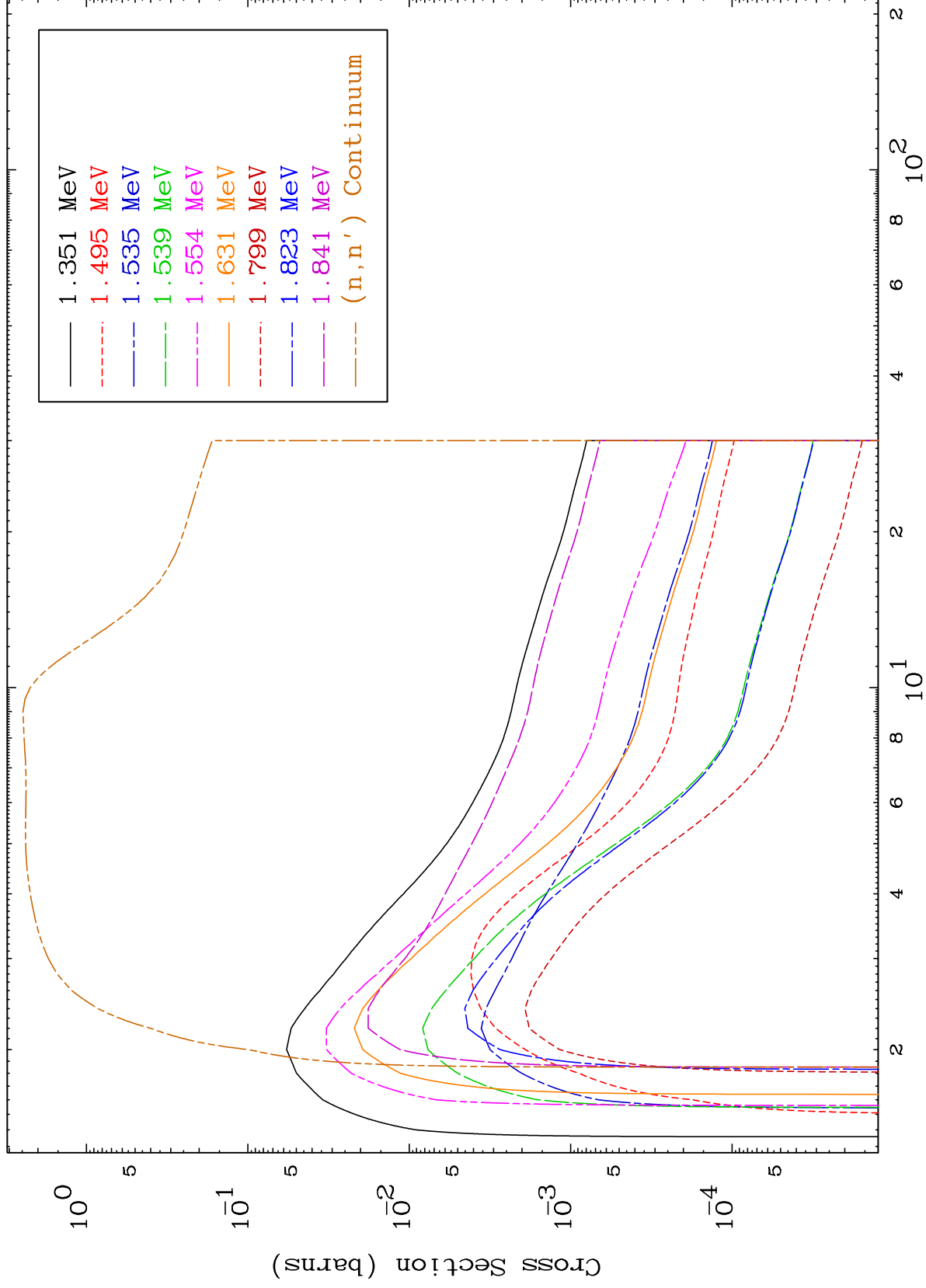
85-At-207



Incident Energy (MeV)

85-At-207

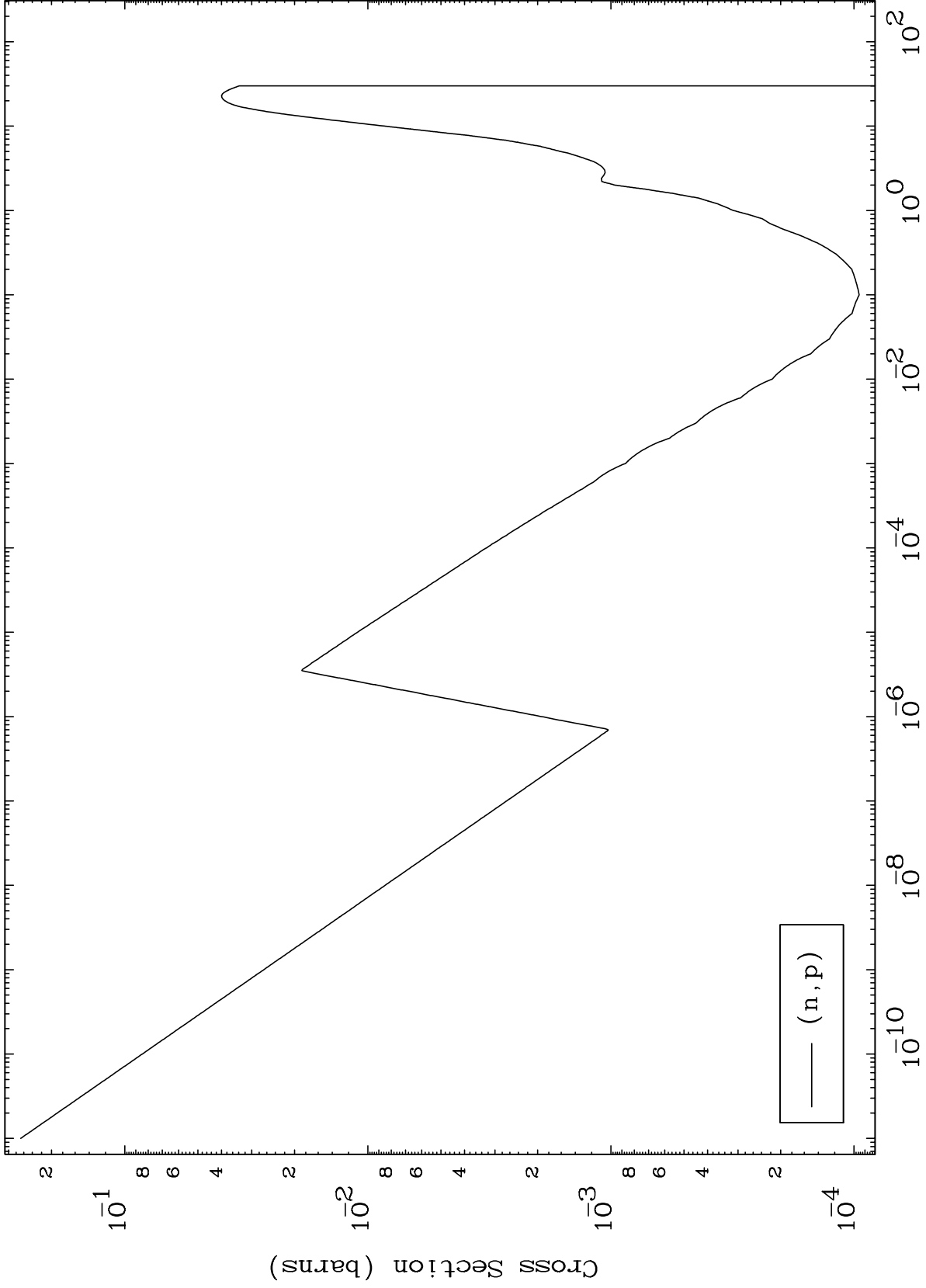
293 Kelvin Cross Sections



MAT 8537

(n,p) Levels
293 Kelvin Cross Sections

85-At-207



10

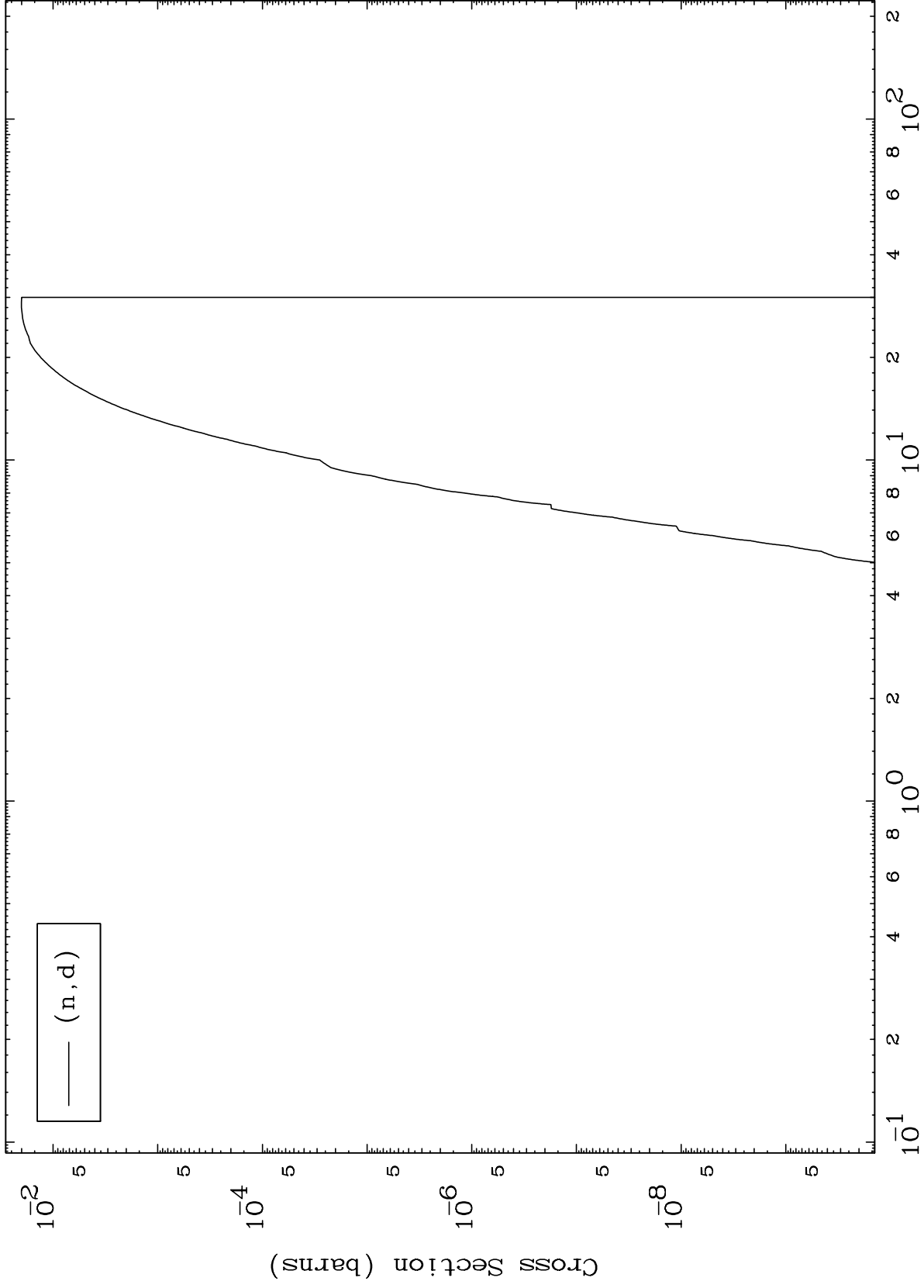
Incident Energy (MeV)

85-At-207

MAT 8537

(n,d) Levels
293 Kelvin Cross Sections

85-At-207



11

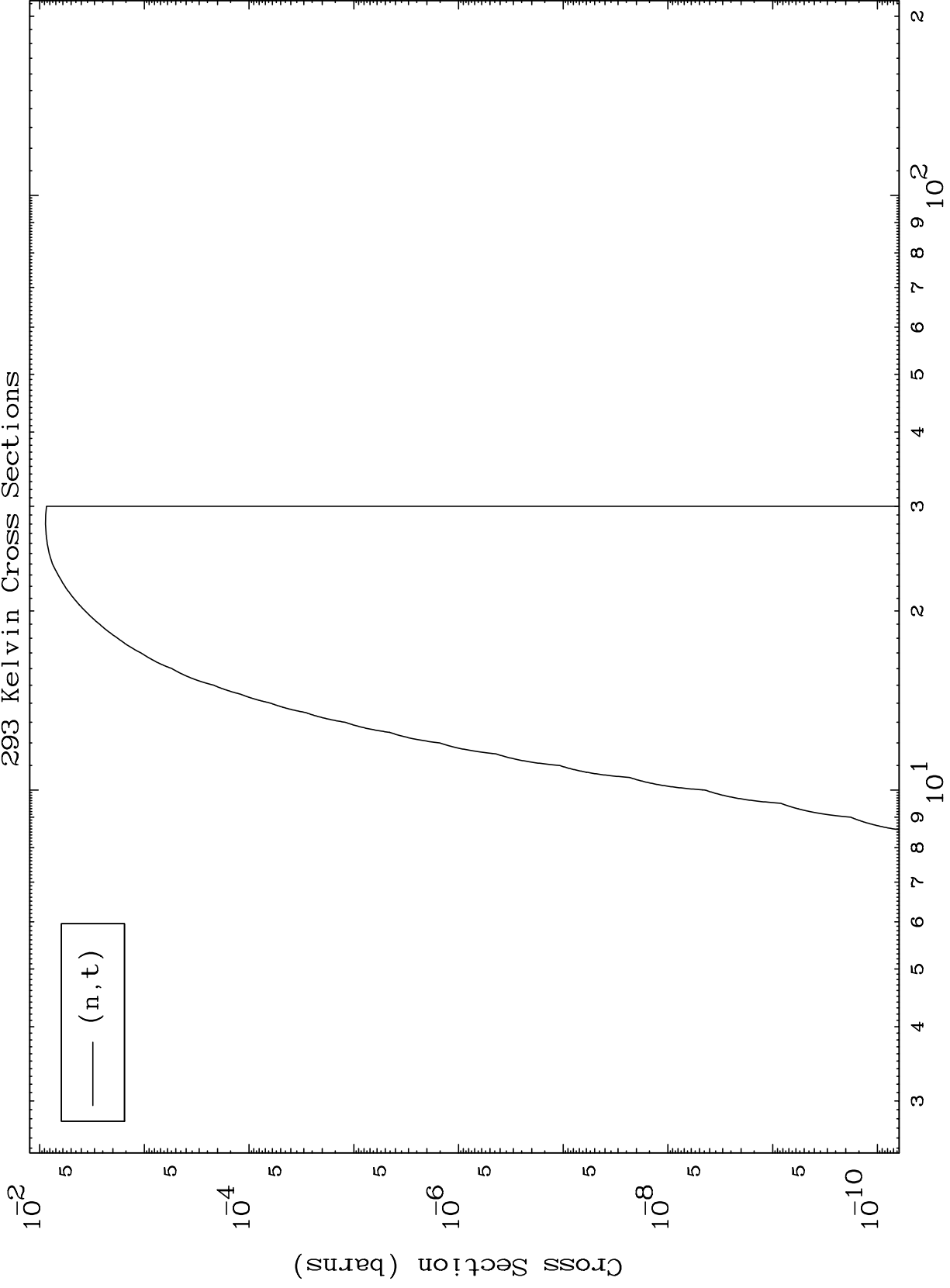
Incident Energy (MeV)

85-At-207

MAT 8537

(n,t) Levels
293 Kelvin Cross Sections

85-At-207



12

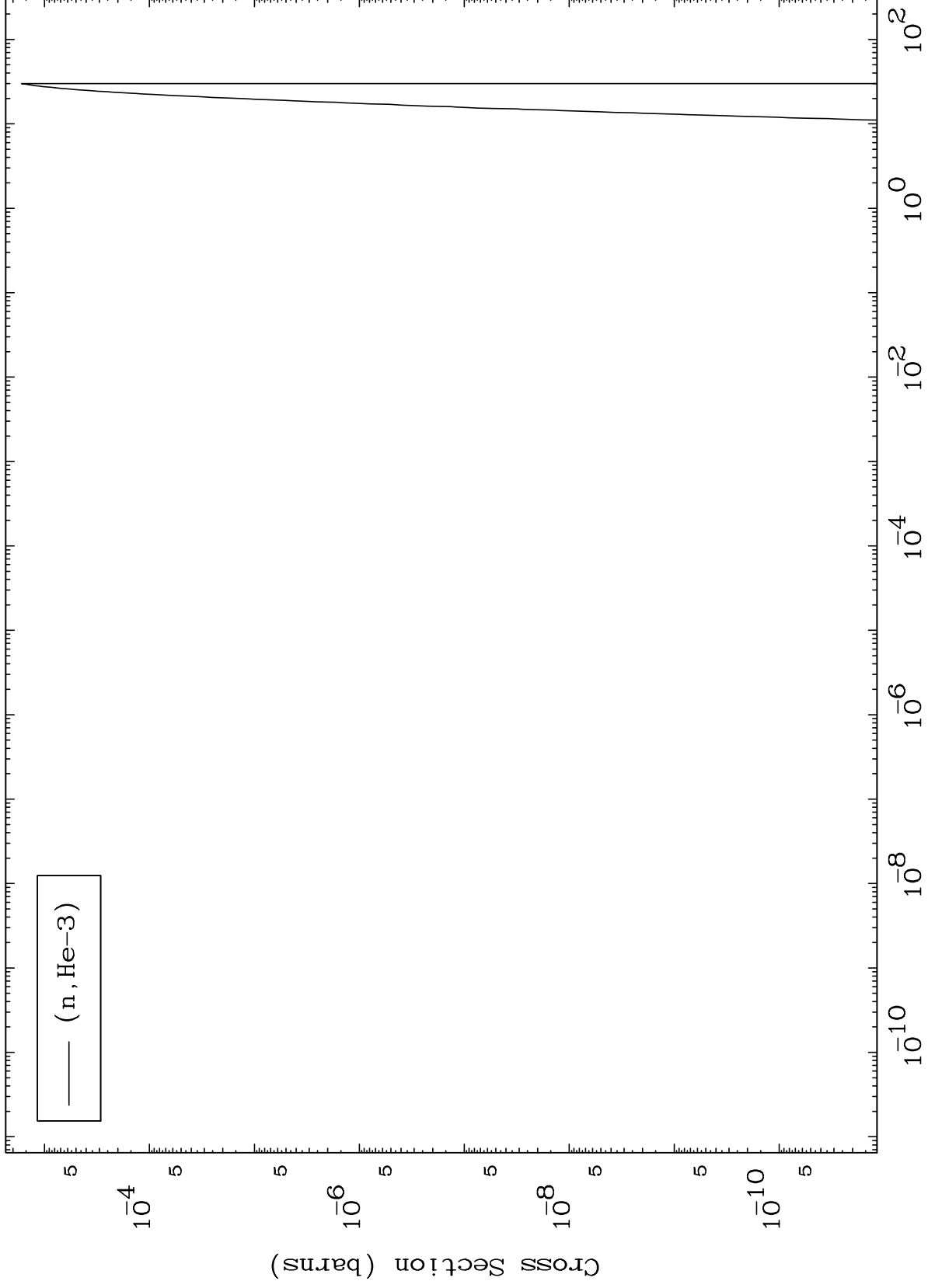
Incident Energy (MeV)

85-At-207

MAT 8537

(n,He3) Levels
293 Kelvin Cross Sections

85-At-207



13

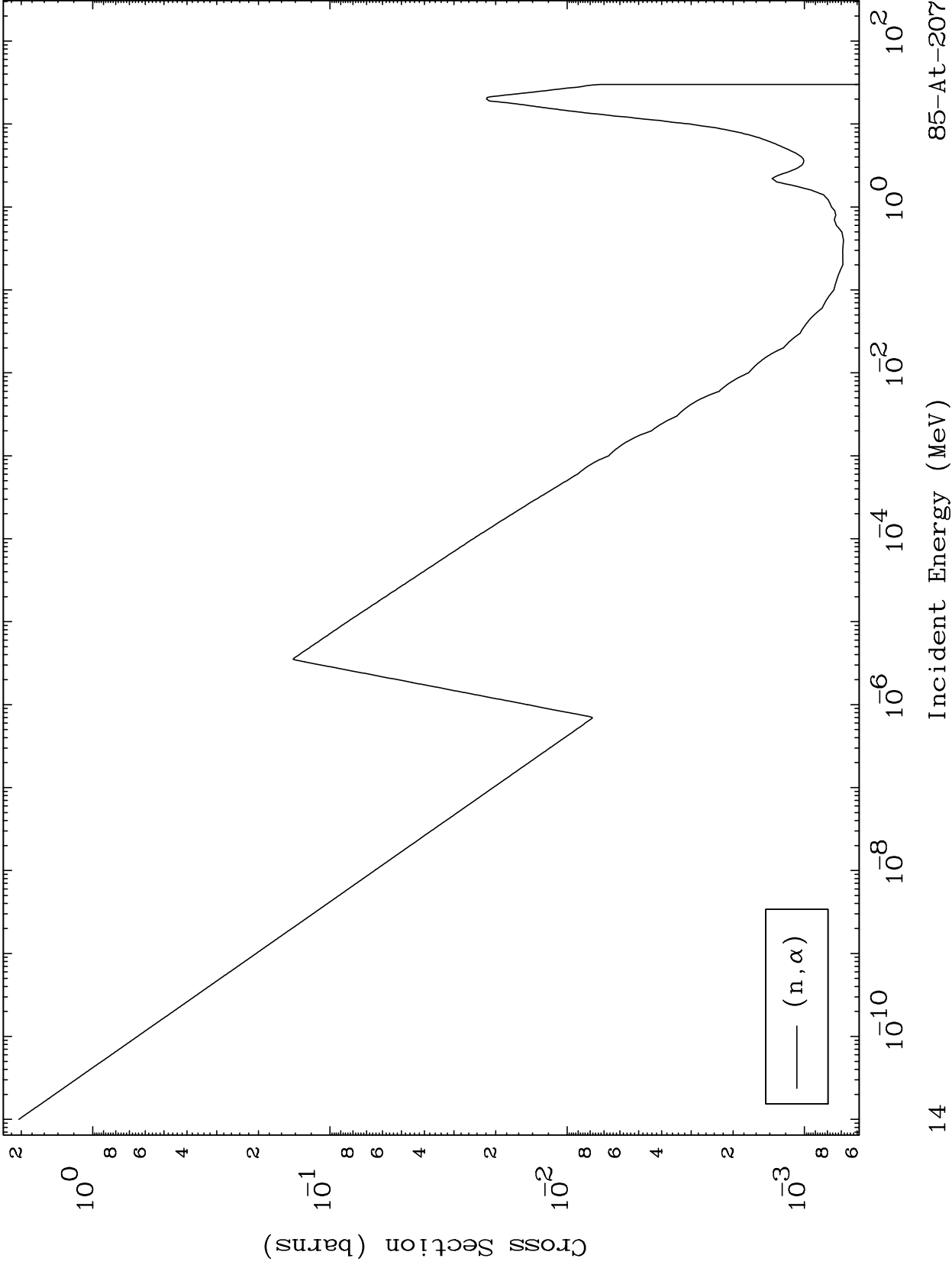
Incident Energy (MeV)

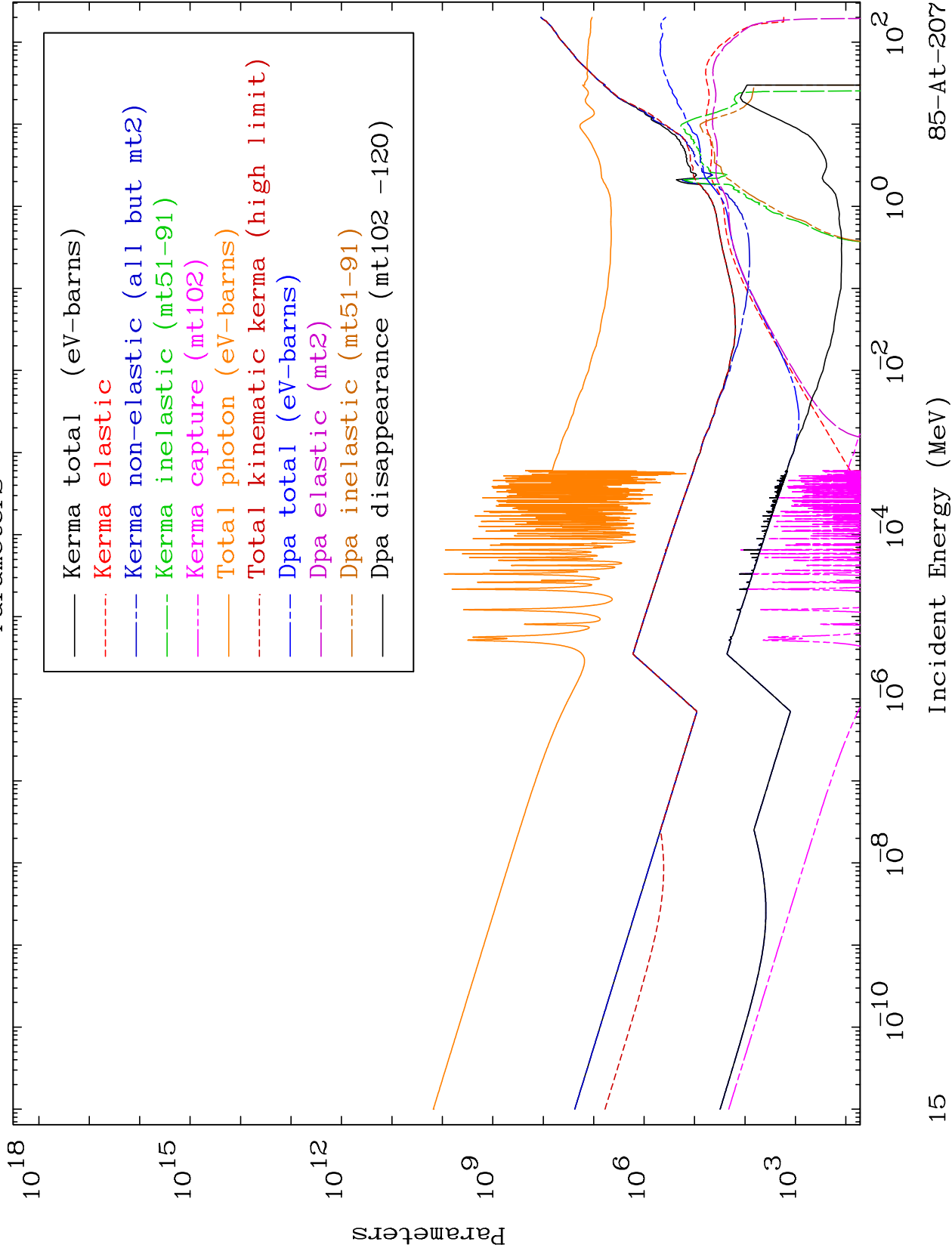
85-At-207

MAT 8537

(n,α) Levels
293 Kelvin Cross Sections

85-At-207

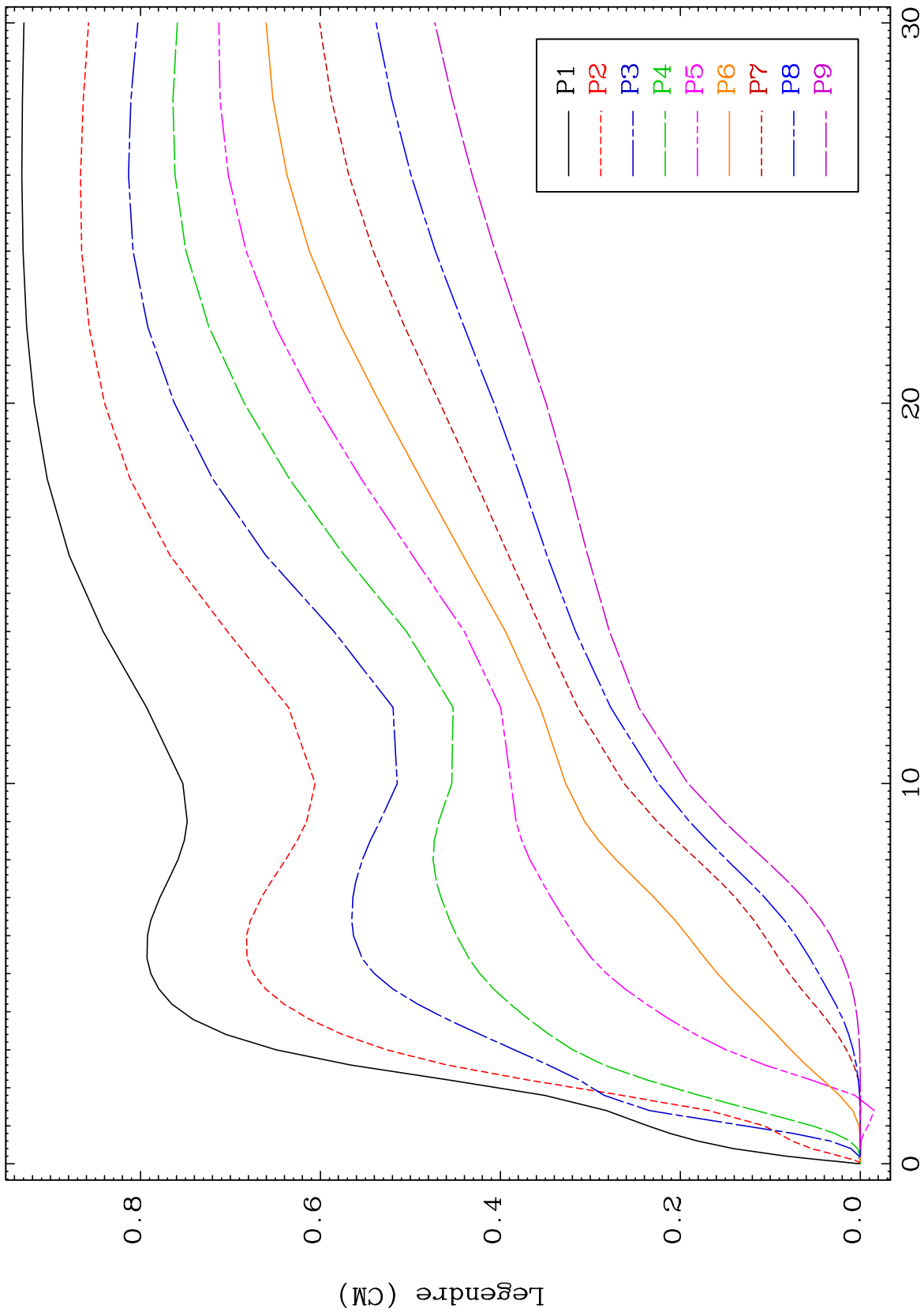




MAT 8537

85-At-207

Elastic Legendre Coefficients



85-At-207

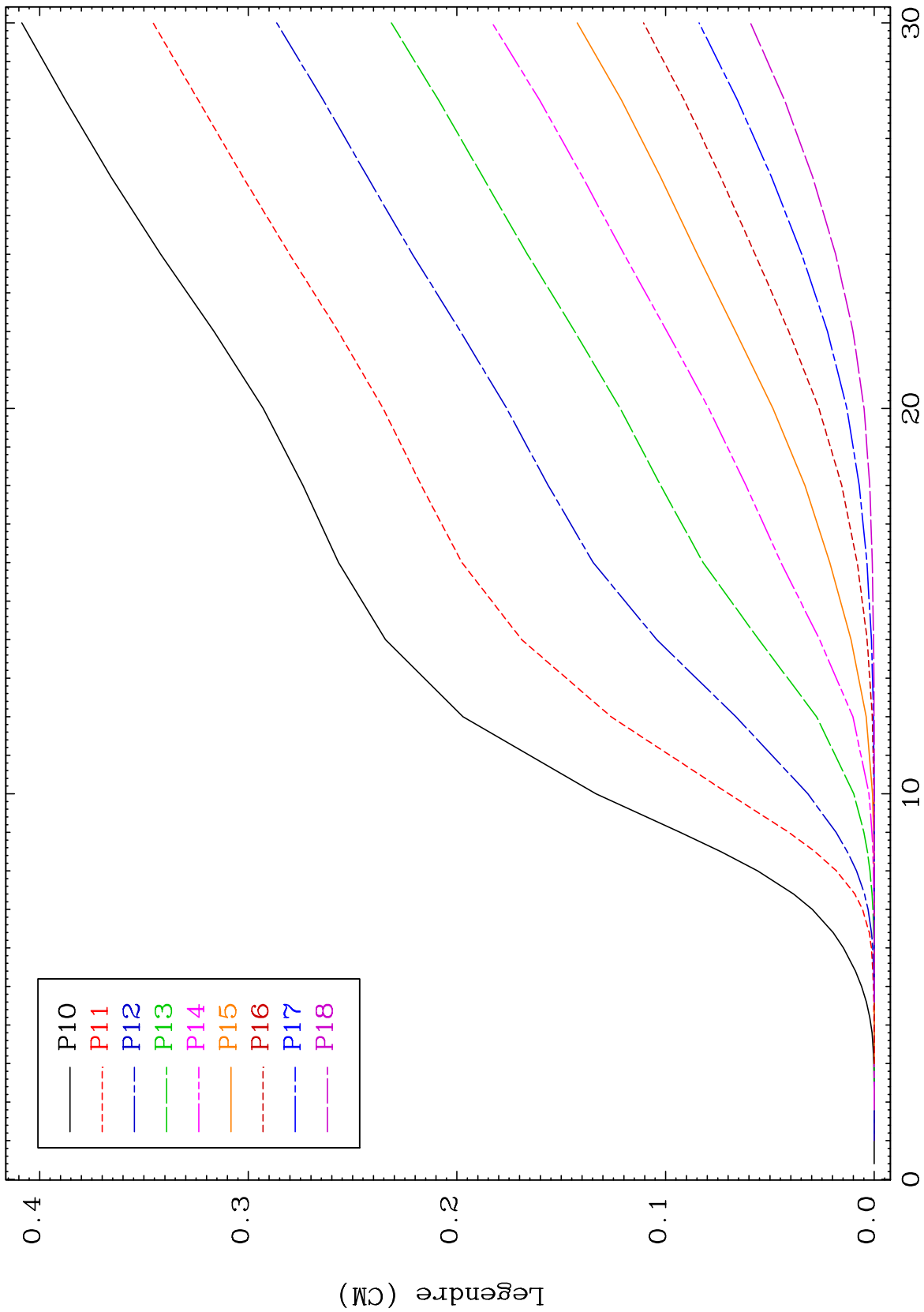
Incident Energy (MeV)

16

MAT 8537

Elastic Legendre Coefficients

85-At-207



17

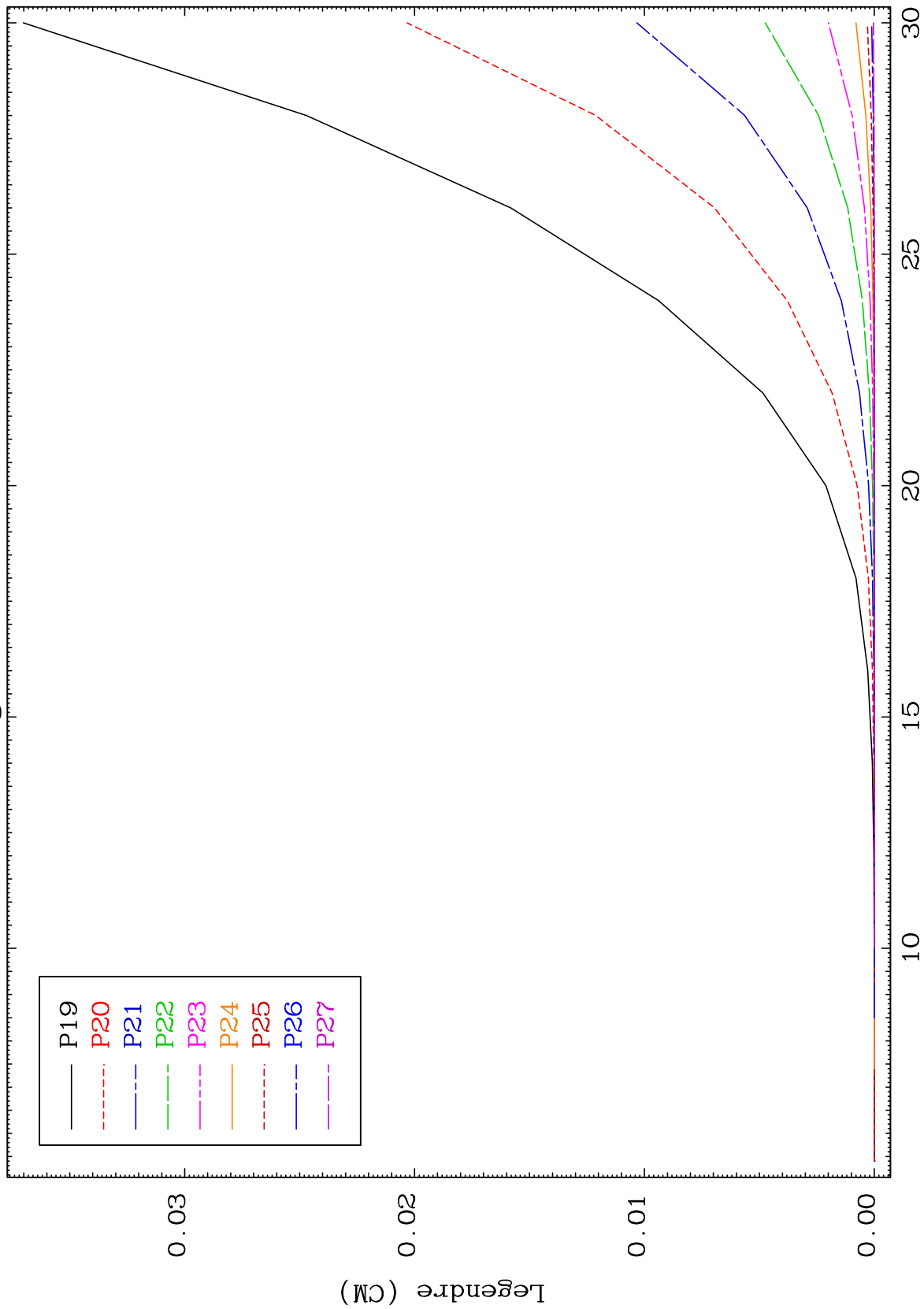
Incident Energy (MeV)

85-At-207

MAT 8537

Elastic Legendre Coefficients

85-At-207



18

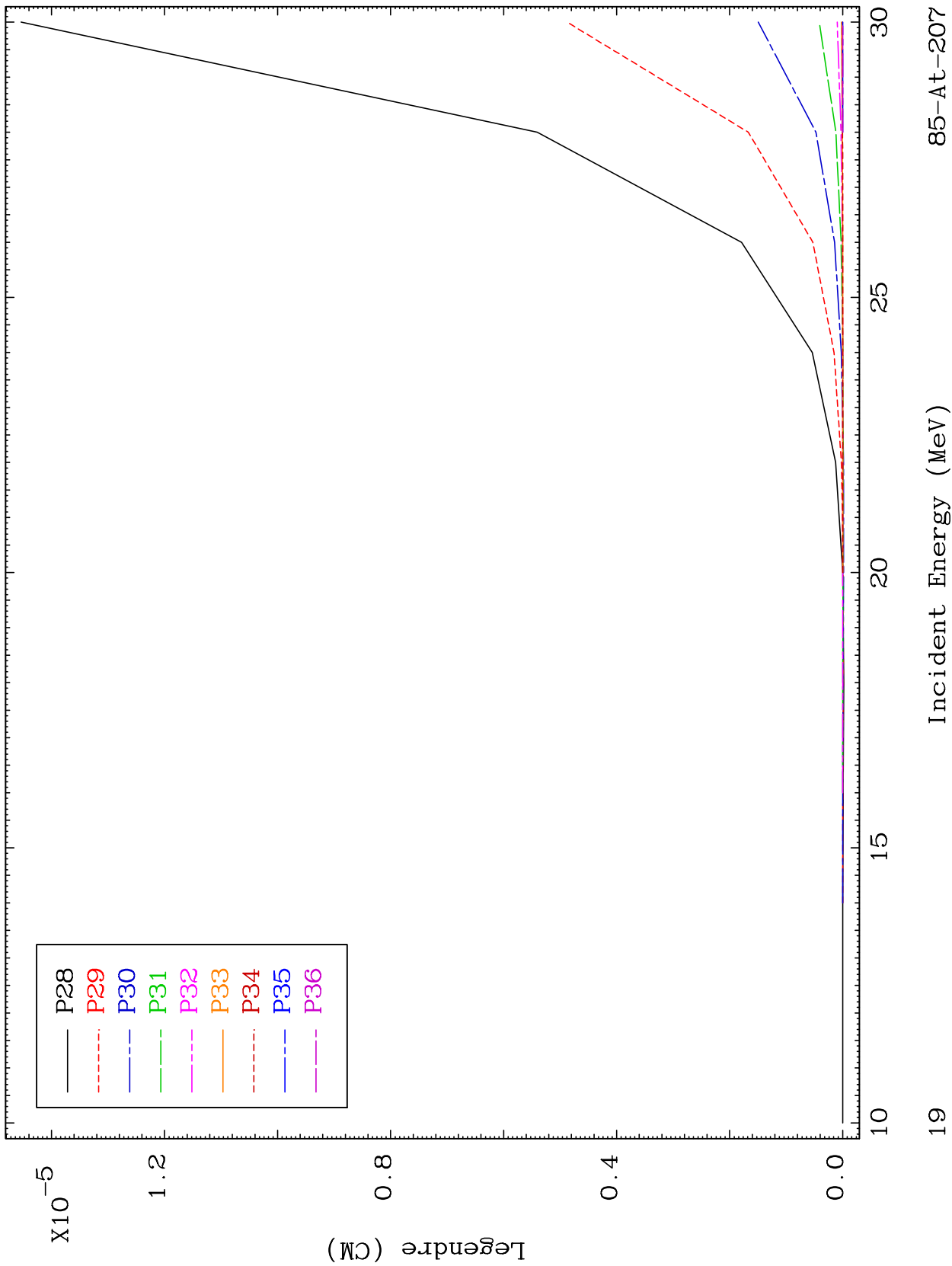
Incident Energy (MeV)

85-At-207

MAT 8537

Elastic Legendre Coefficients

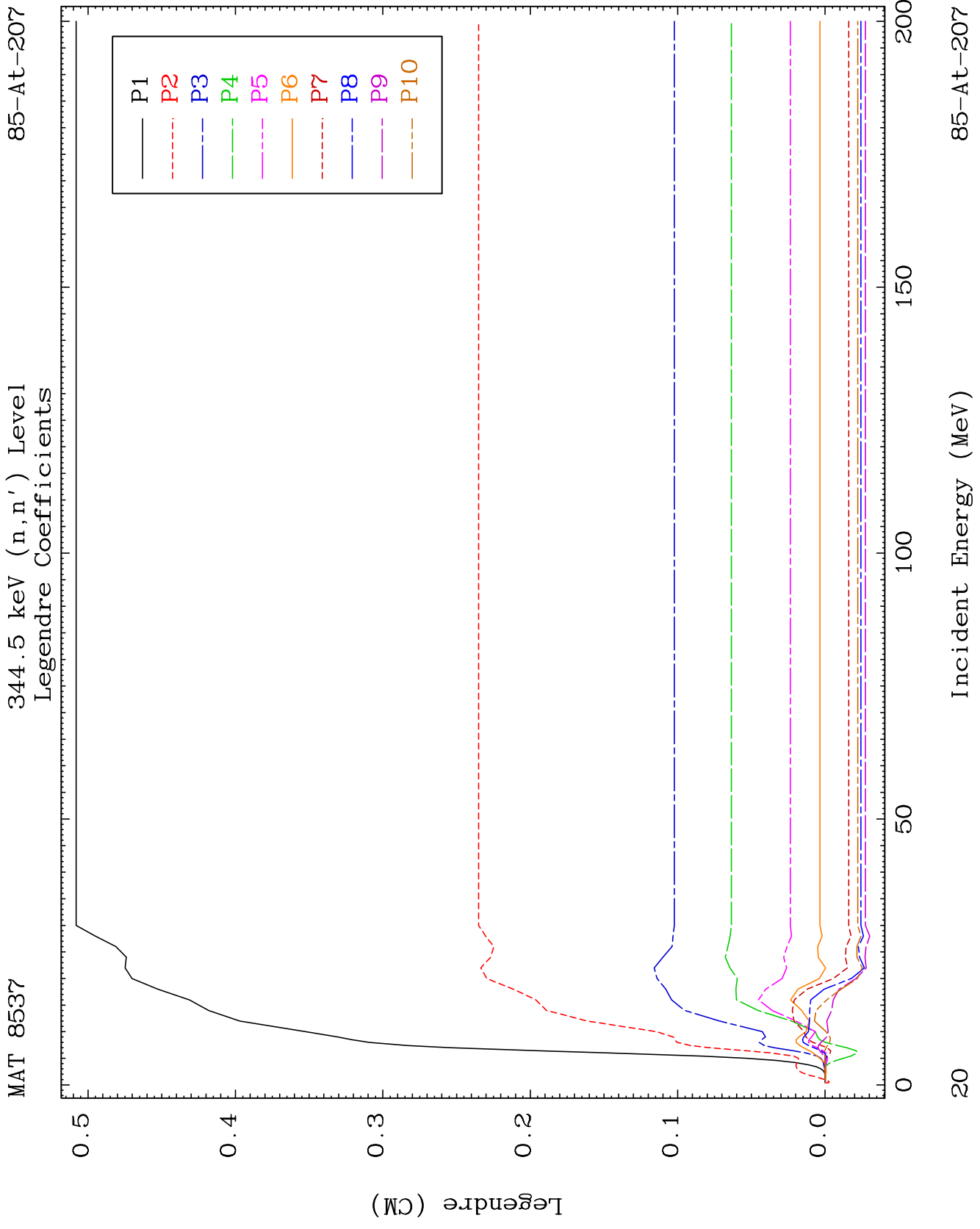
85-At-207



19

Incident Energy (MeV)

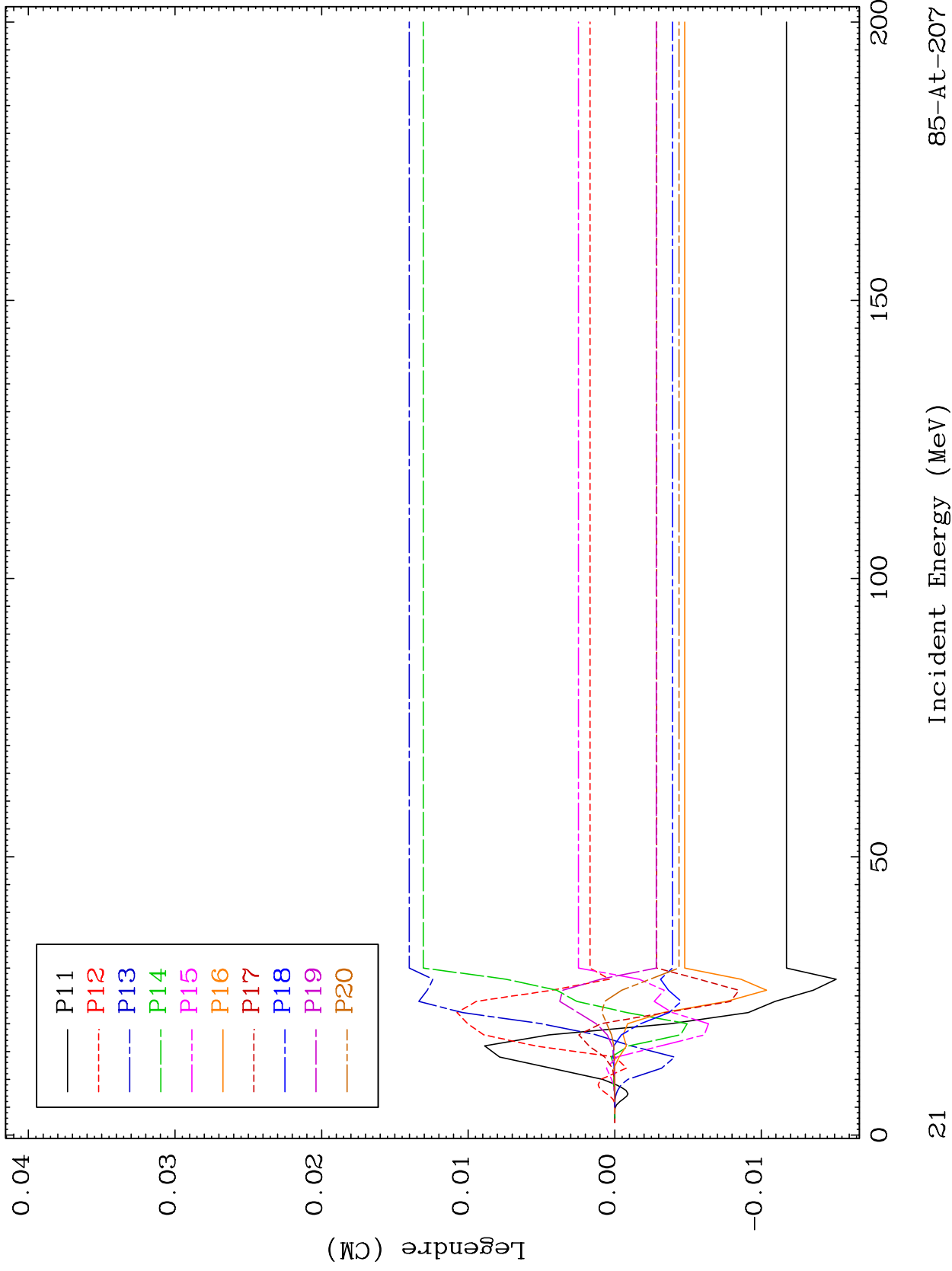
85-At-207



MAT 8537

344.5 keV (n,n') Level
Legendre Coefficients

85-At-207



21

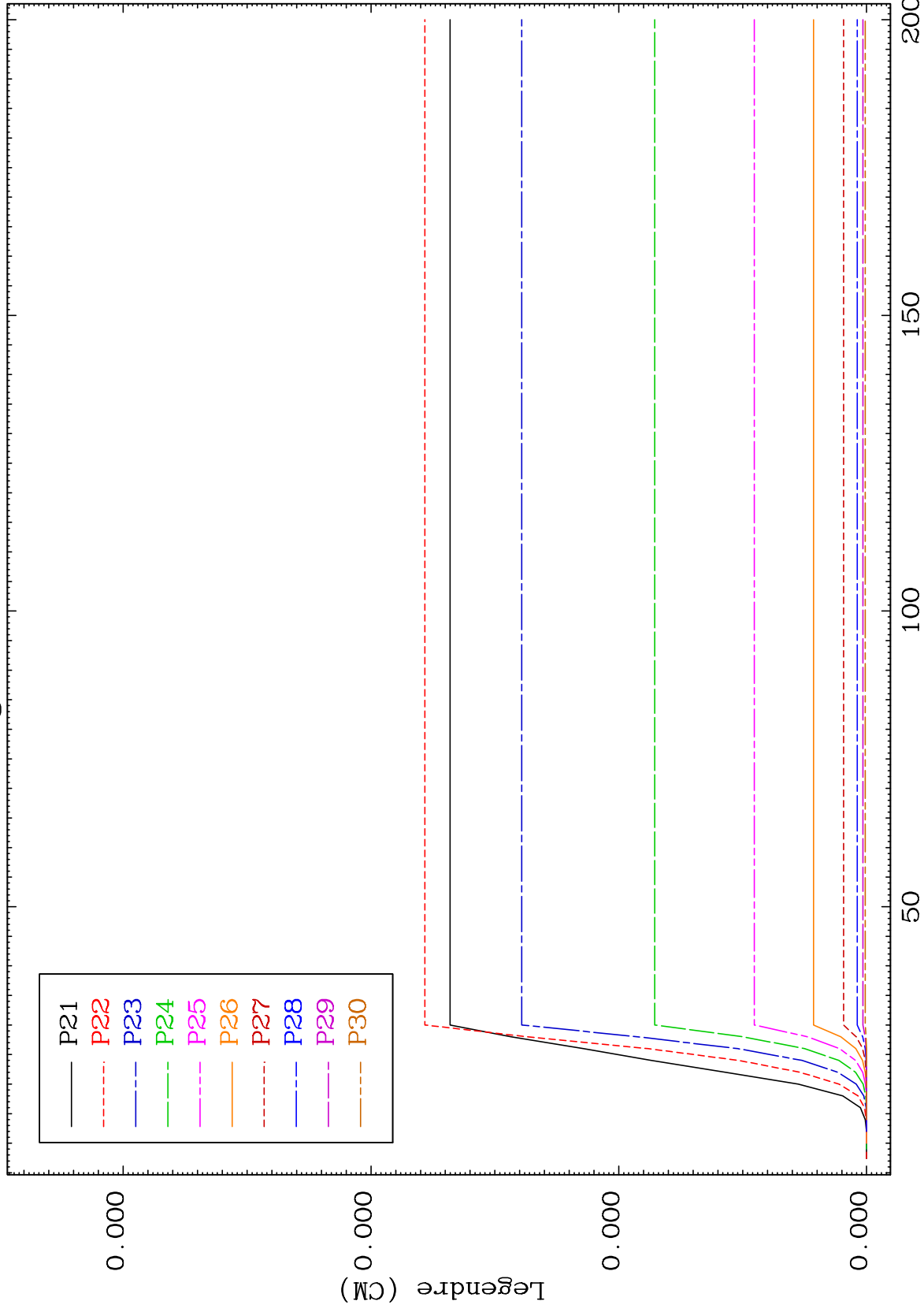
Incident Energy (MeV)

85-At-207

MAT 8537

344.5 keV (n,n') Level
Legendre Coefficients

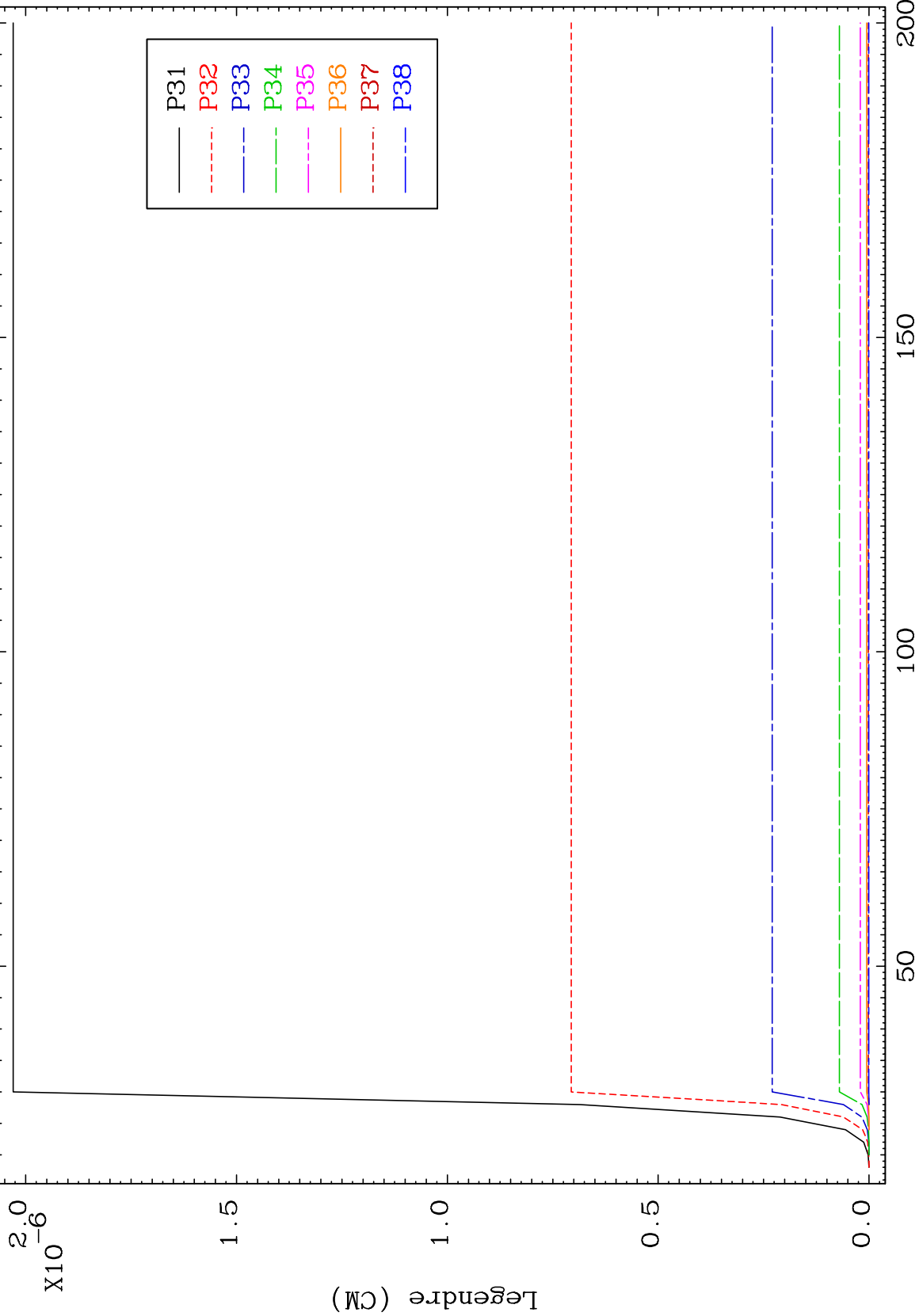
85-At-207



22

Incident Energy (MeV)

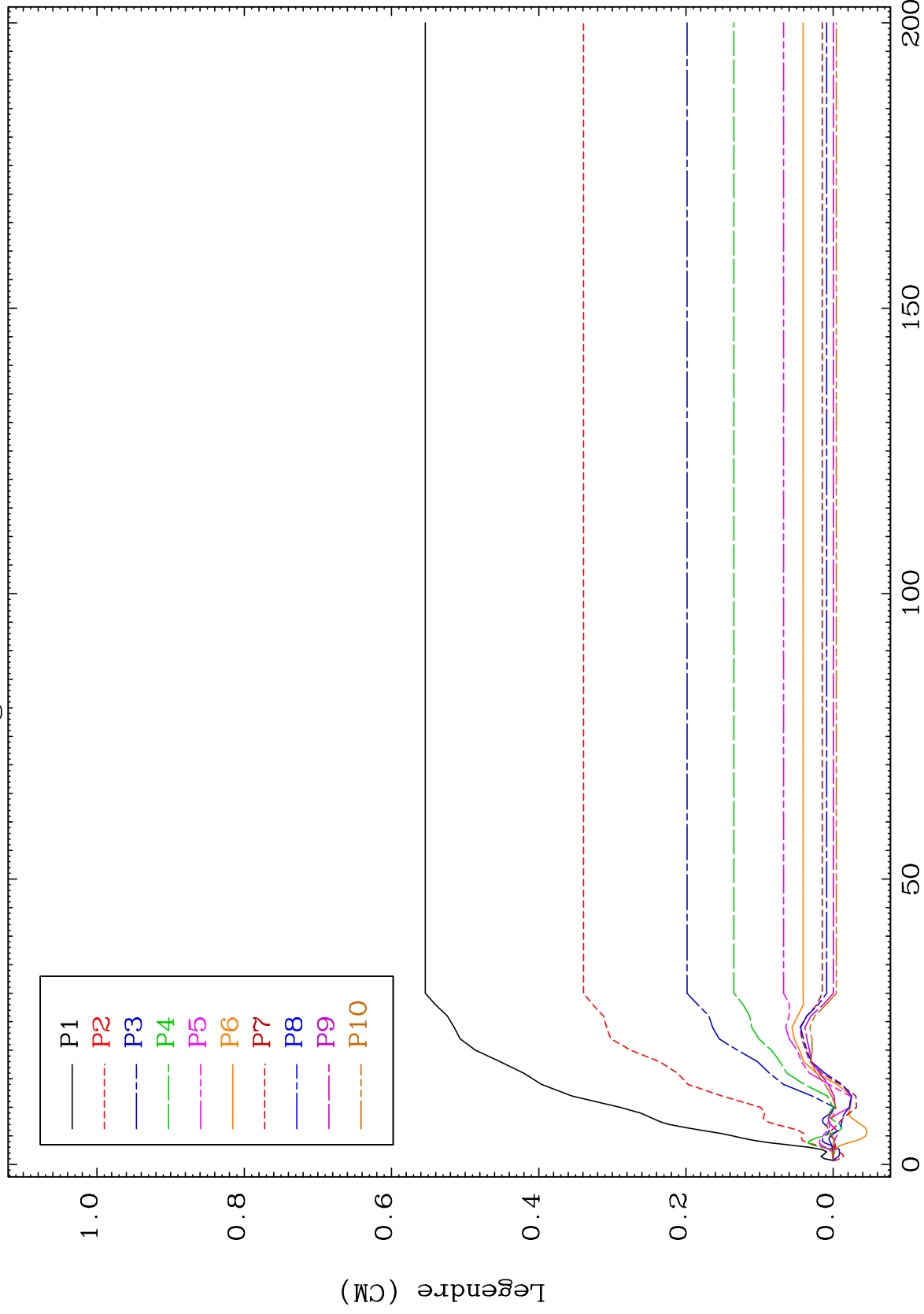
85-At-207



MAT 8537

643.4 keV (n,n') Level
Legendre Coefficients

85-At-207



24

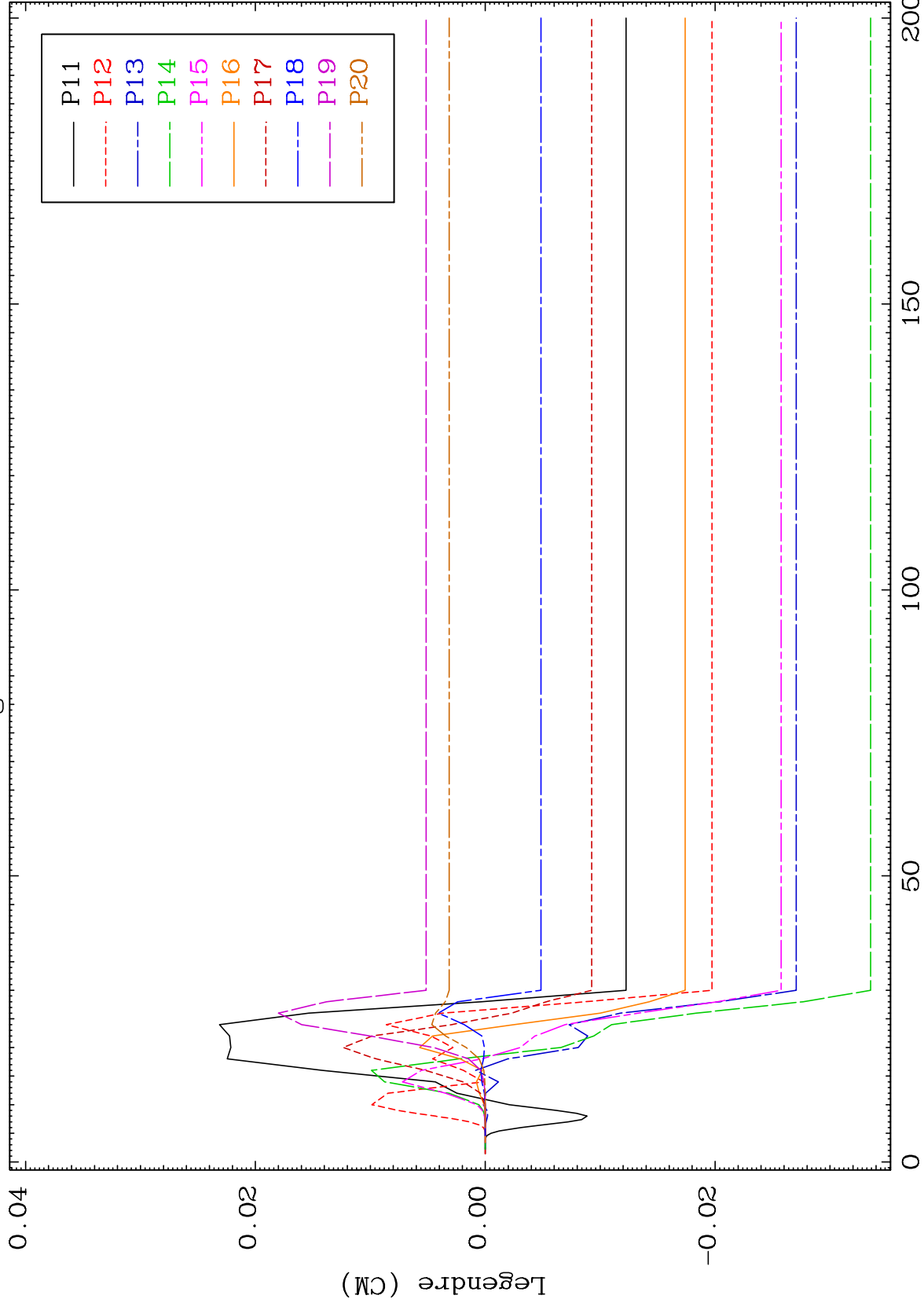
Incident Energy (MeV)

85-At-207

MAT 8537

643.4 keV (n,n') Level
Legendre Coefficients

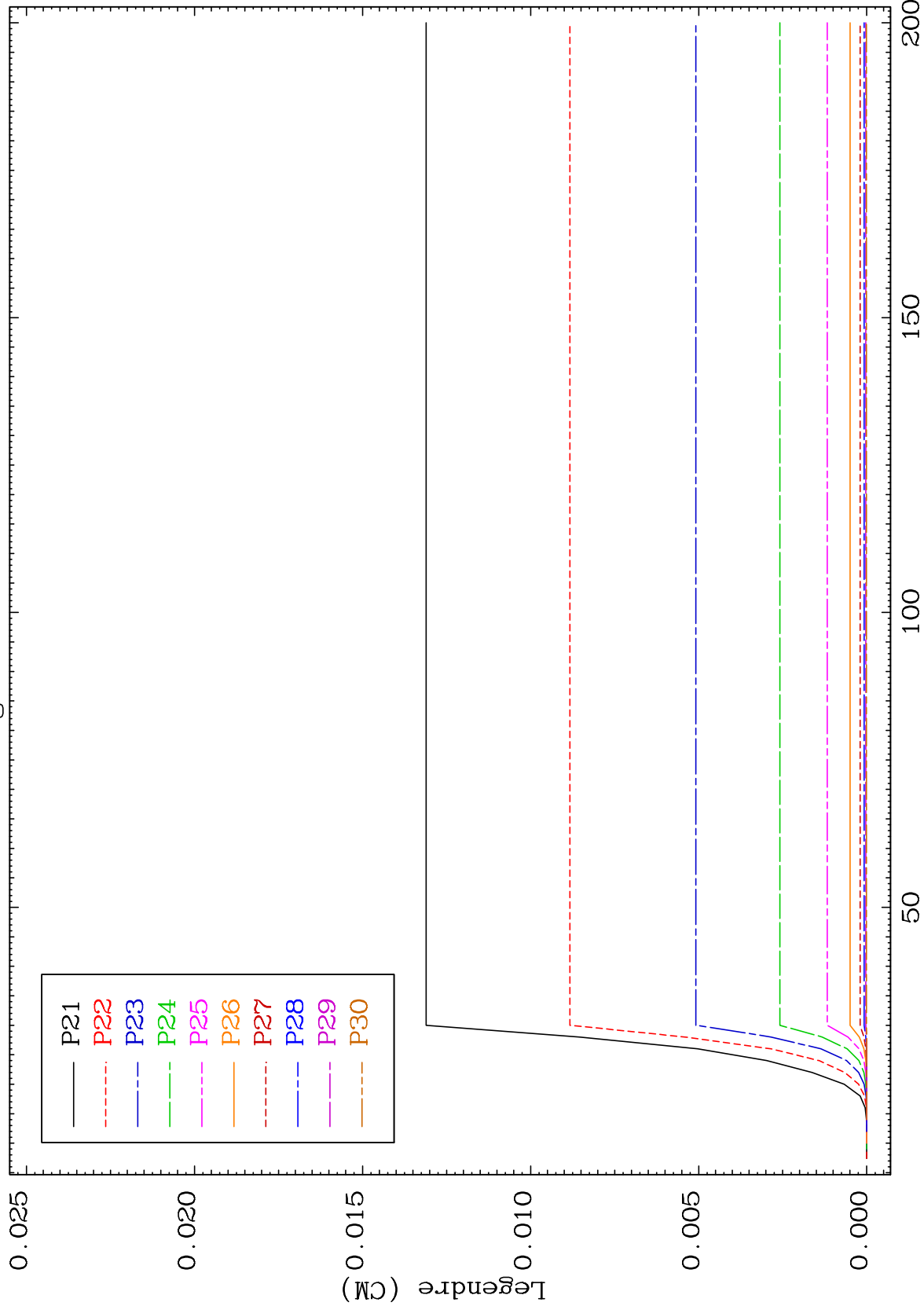
85-At-207



25

Incident Energy (MeV)

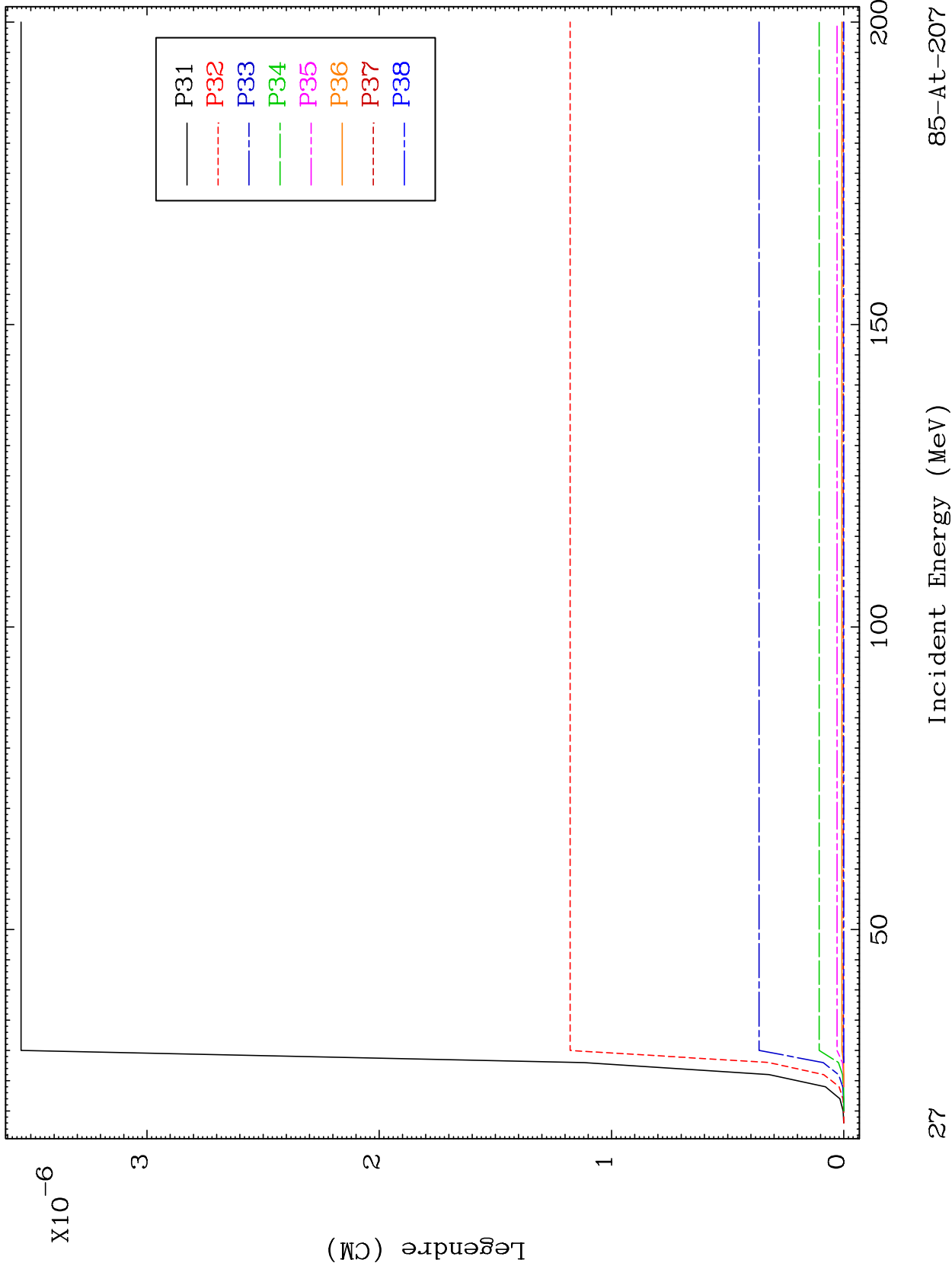
85-At-207



MAT 8537

643.4 keV (n,n') Level
Legendre Coefficients

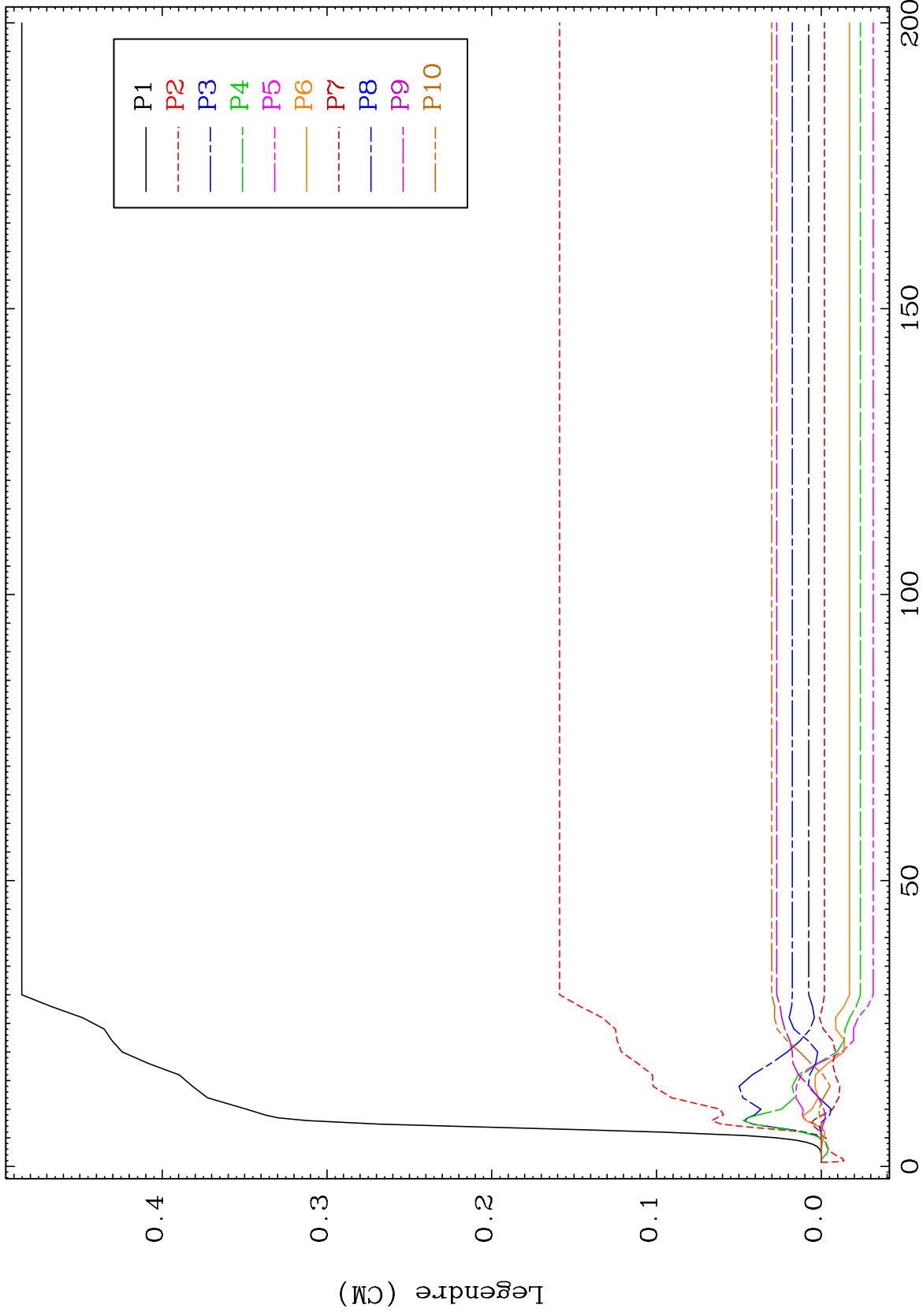
85-At-207



MAT 8537

674.0 keV (n,n') Level
Legendre Coefficients

85-At-207



28

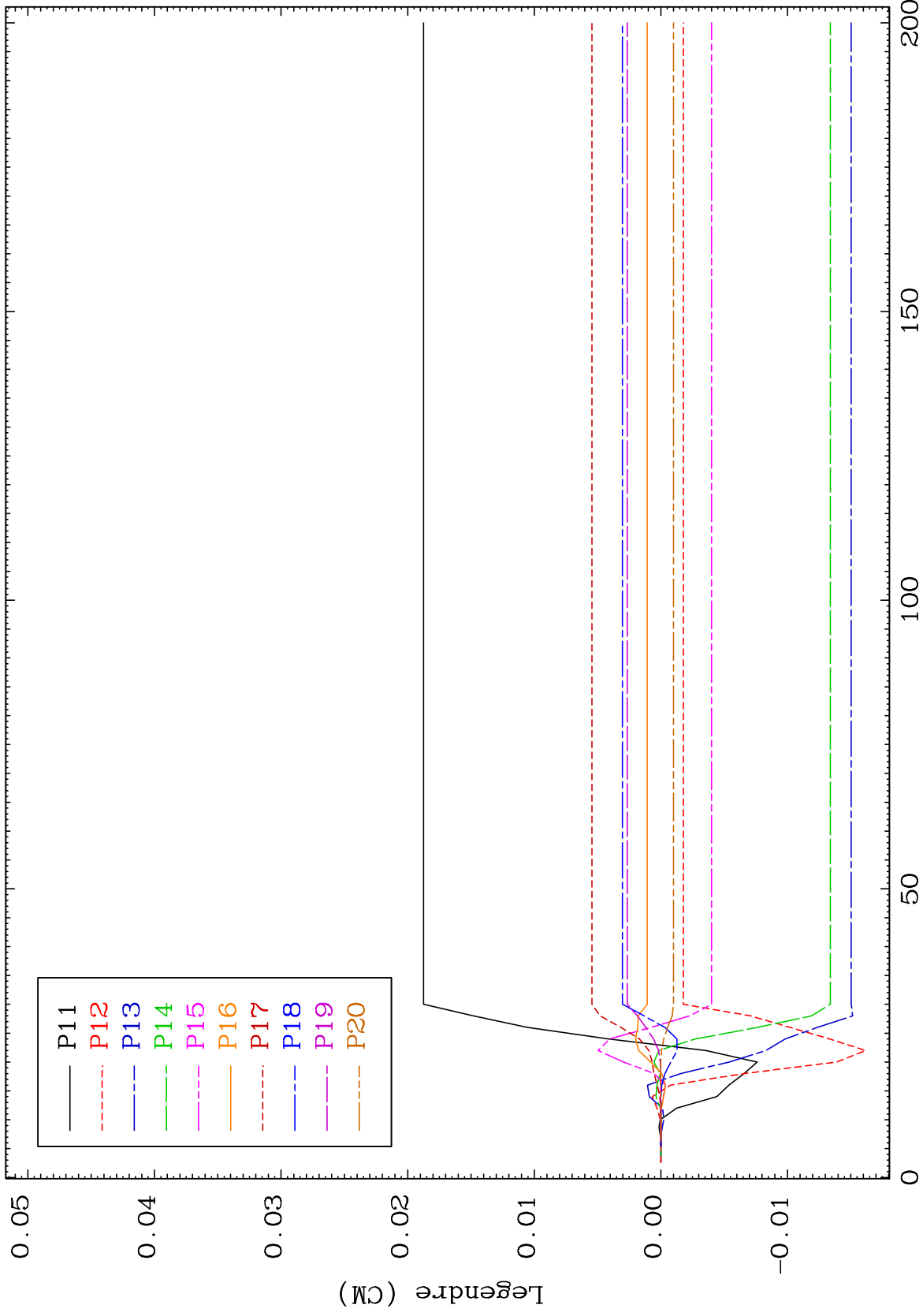
Incident Energy (MeV)

85-At-207

MAT 8537

674.0 keV (n,n') Level
Legendre Coefficients

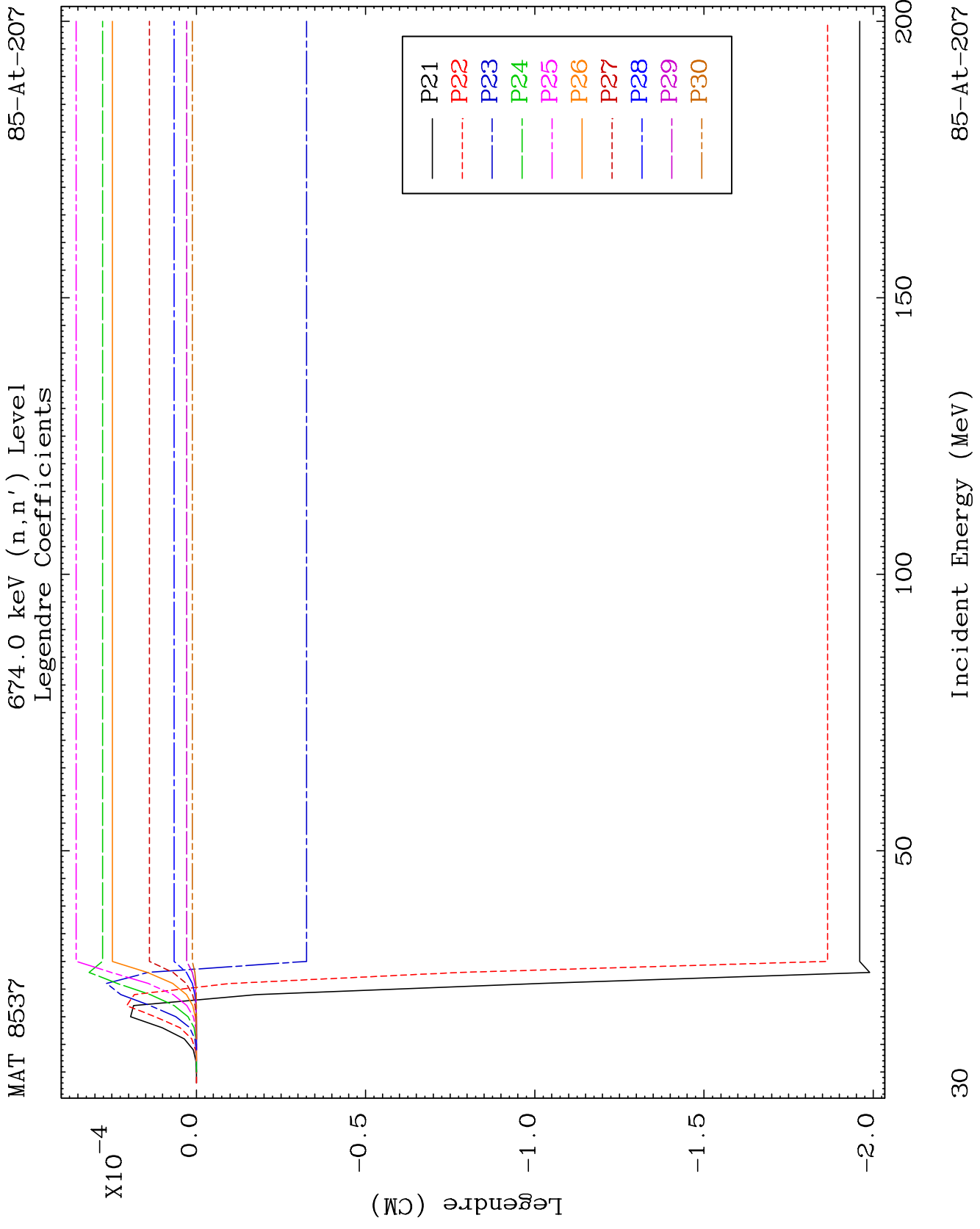
85-At-207



29

Incident Energy (MeV)

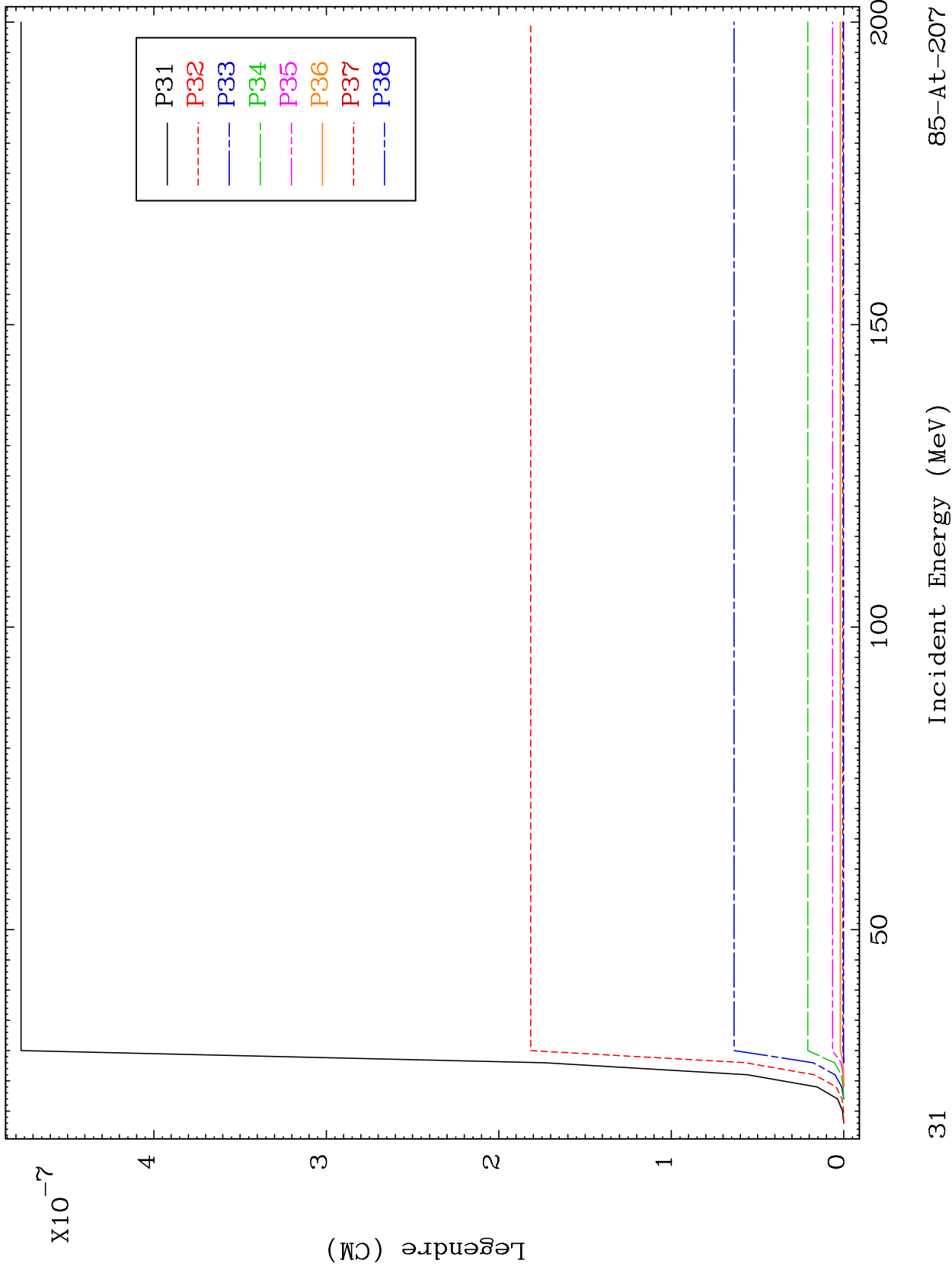
85-At-207



MAT 8537

674.0 keV (n,n') Level
Legendre Coefficients

85-At-207



31

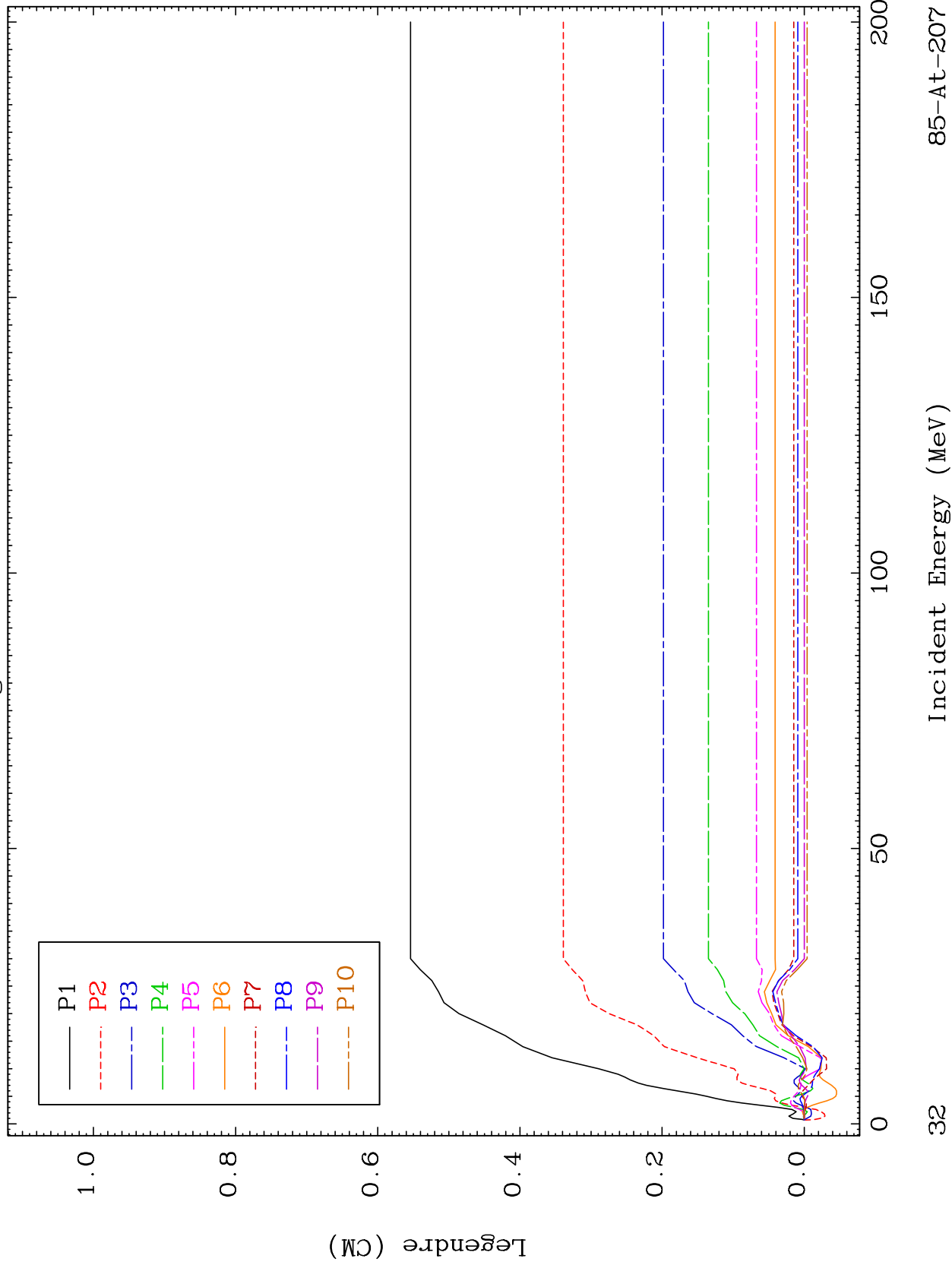
Incident Energy (MeV)

85-At-207

MAT 8537

686.4 keV (n,n') Level
Legendre Coefficients

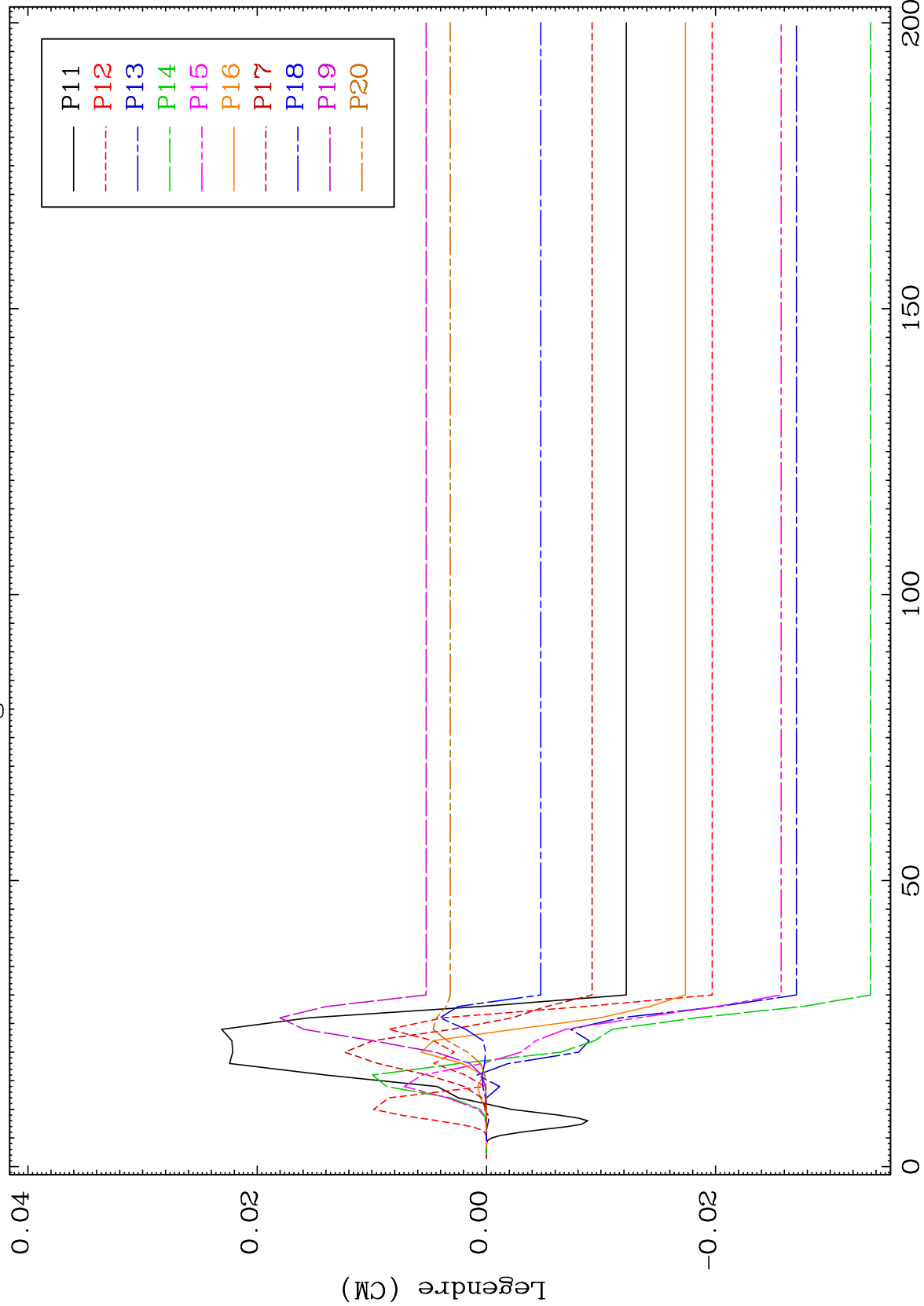
85-At-207

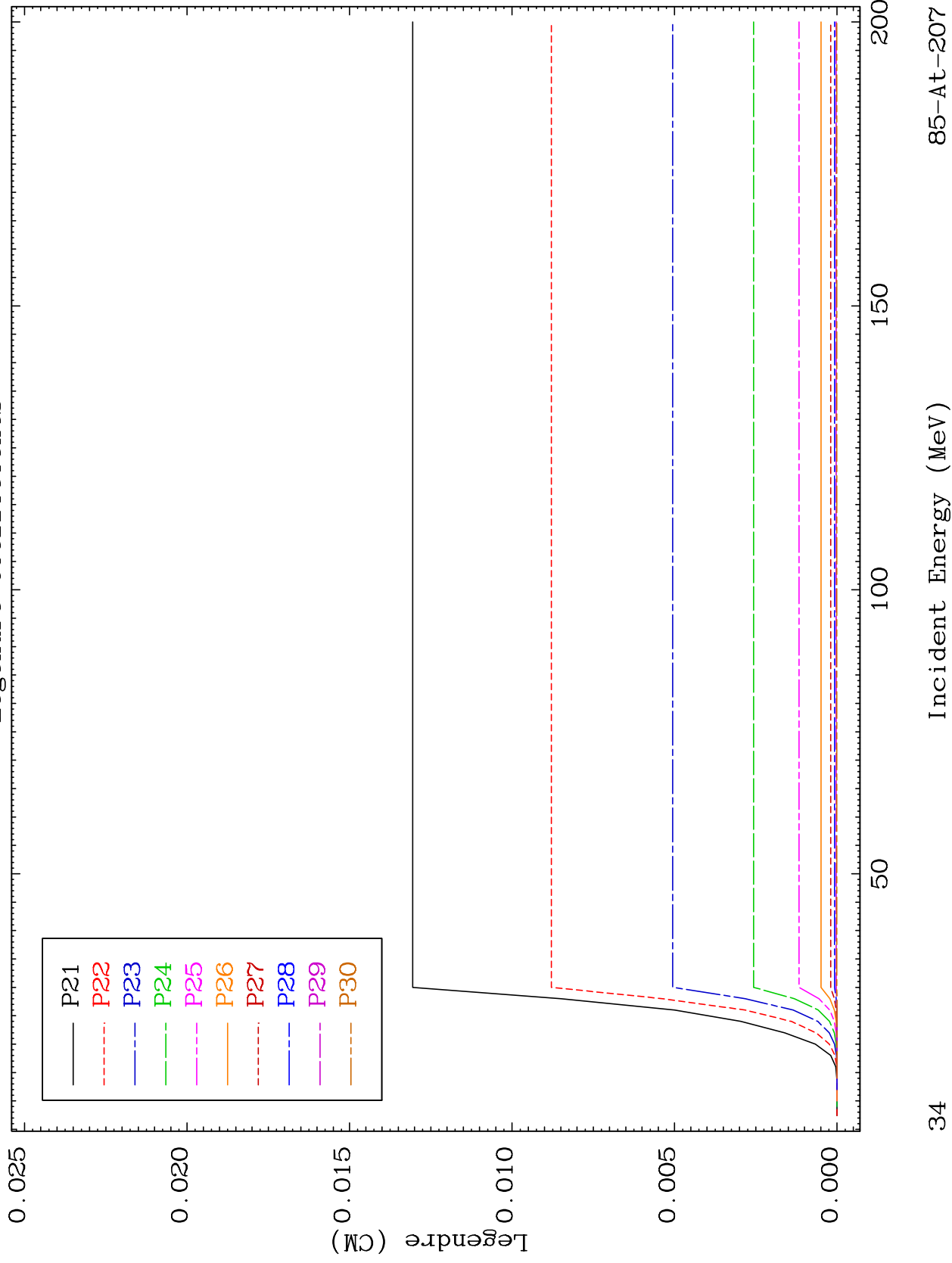


32

Incident Energy (MeV)

85-At-207

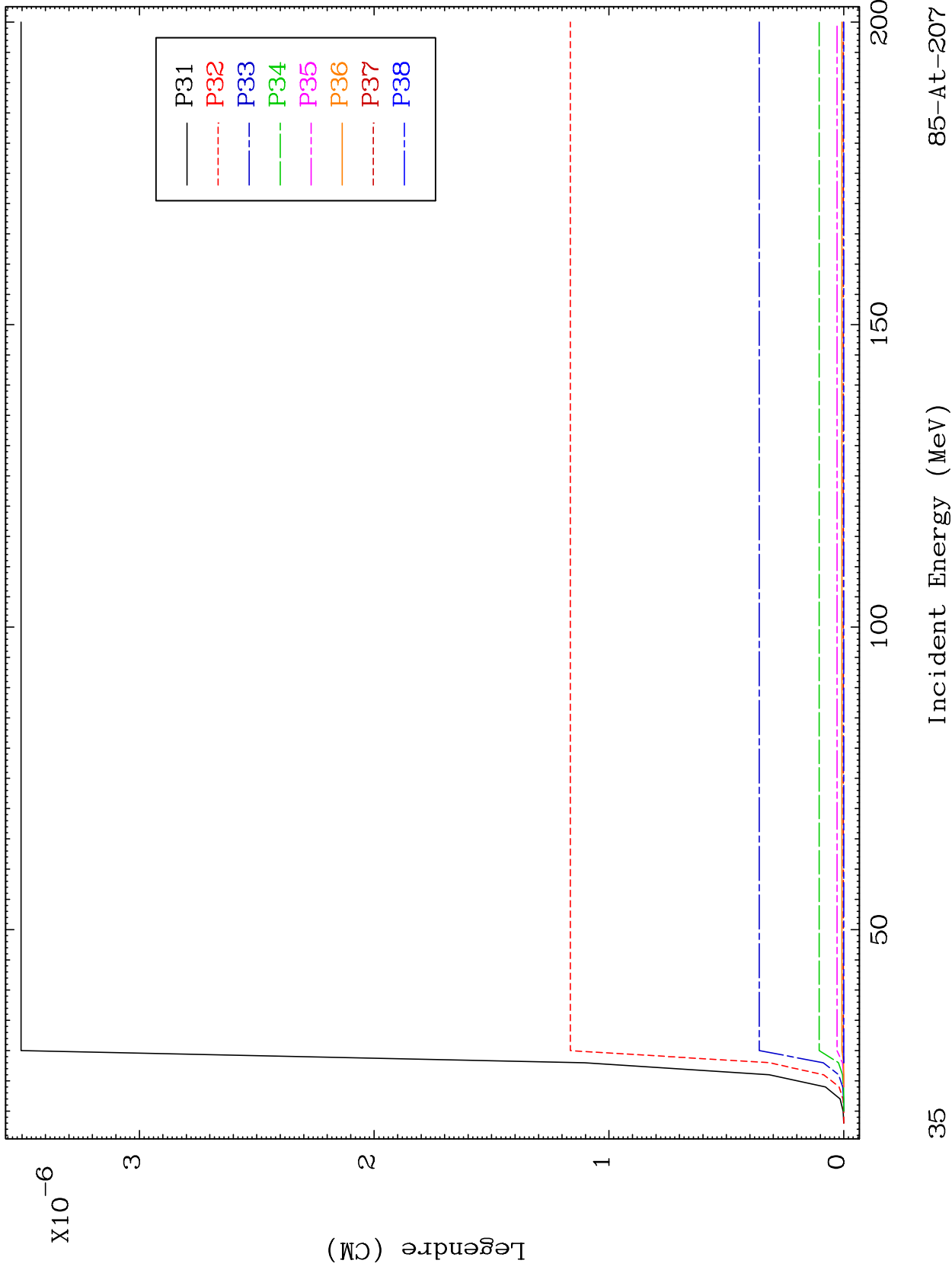


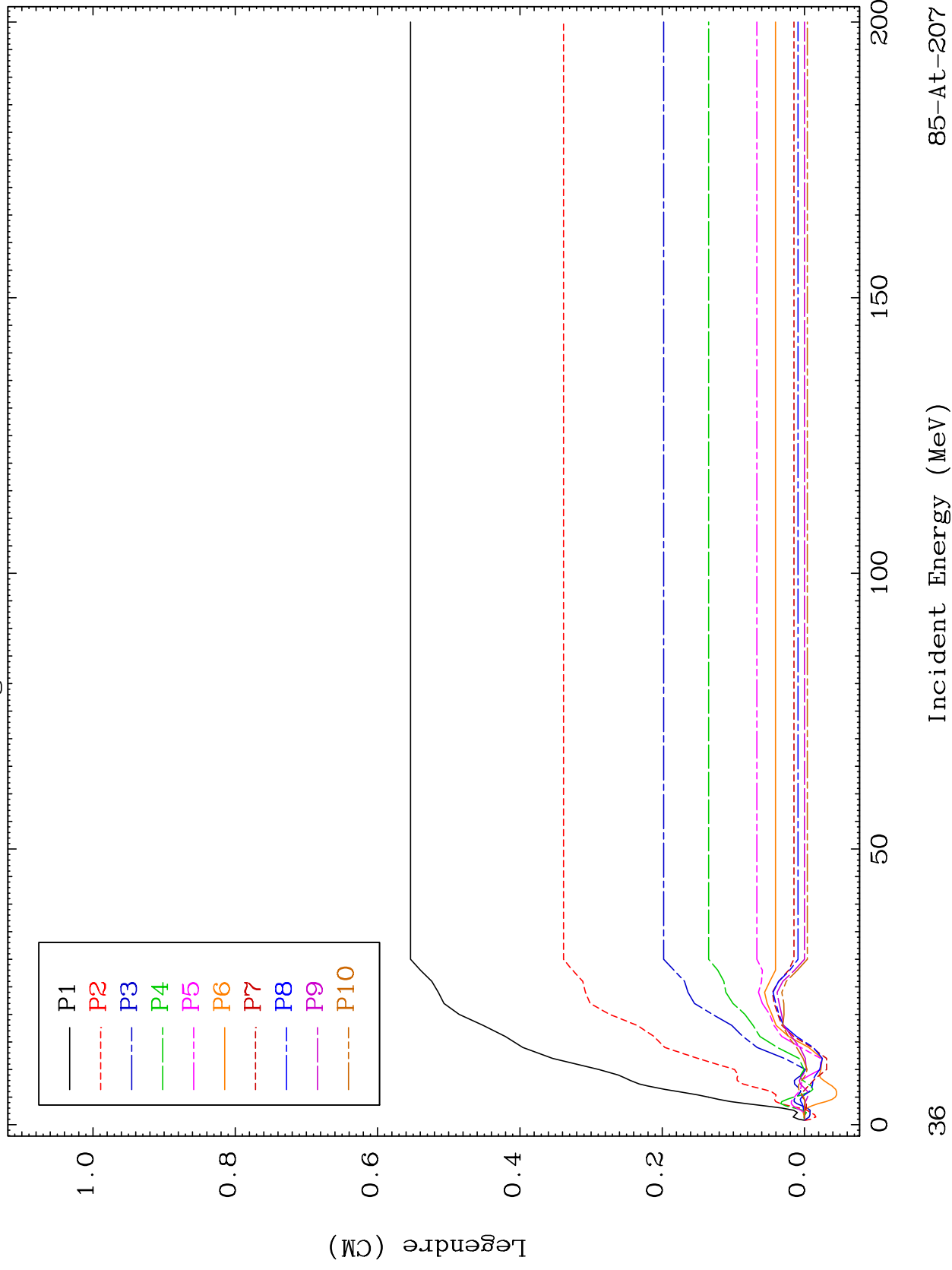


MAT 8537

686.4 keV (n,n') Level
Legendre Coefficients

85-At-207

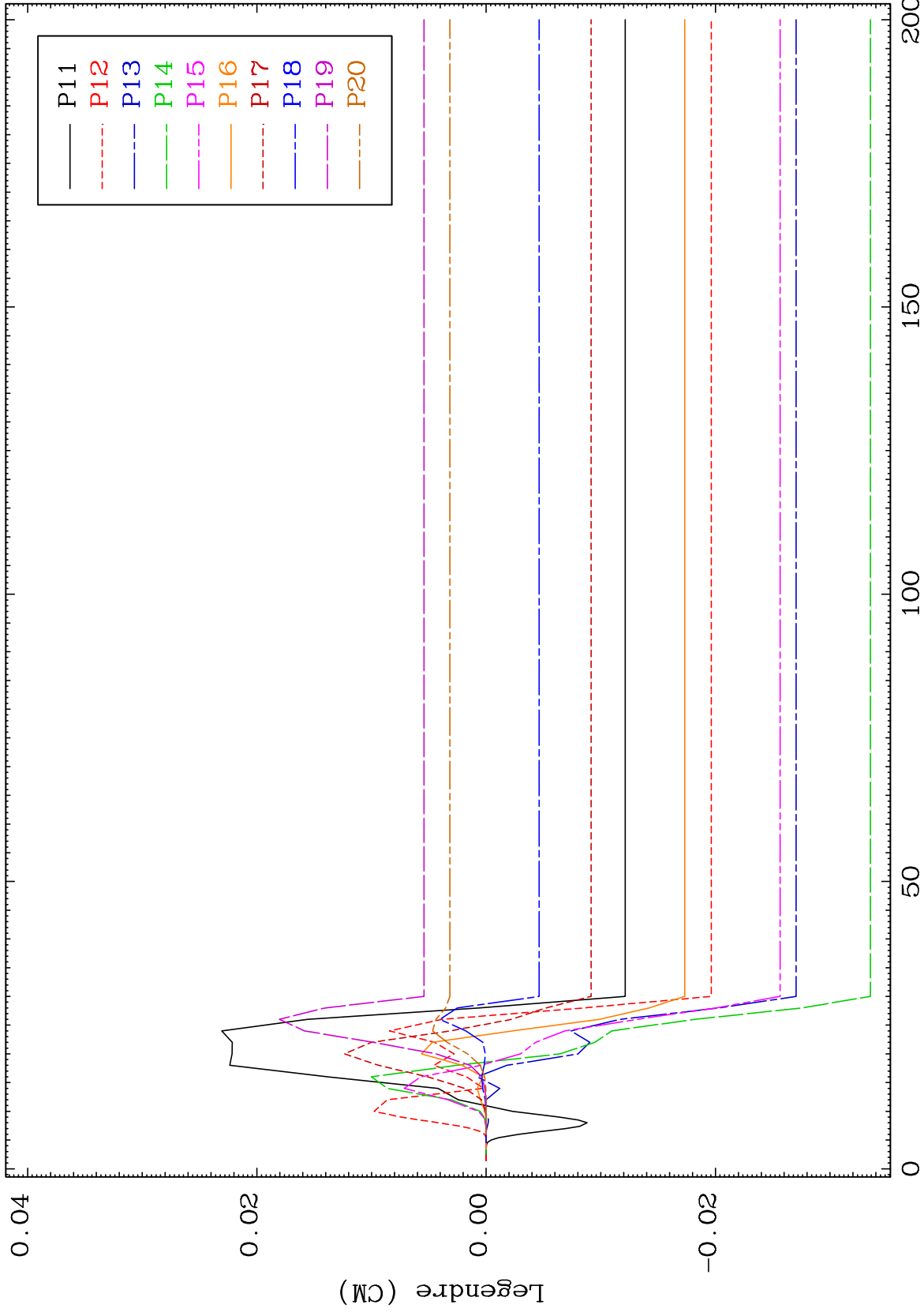




MAT 8537

747.2 keV (n,n') Level
Legendre Coefficients

85-At-207



37

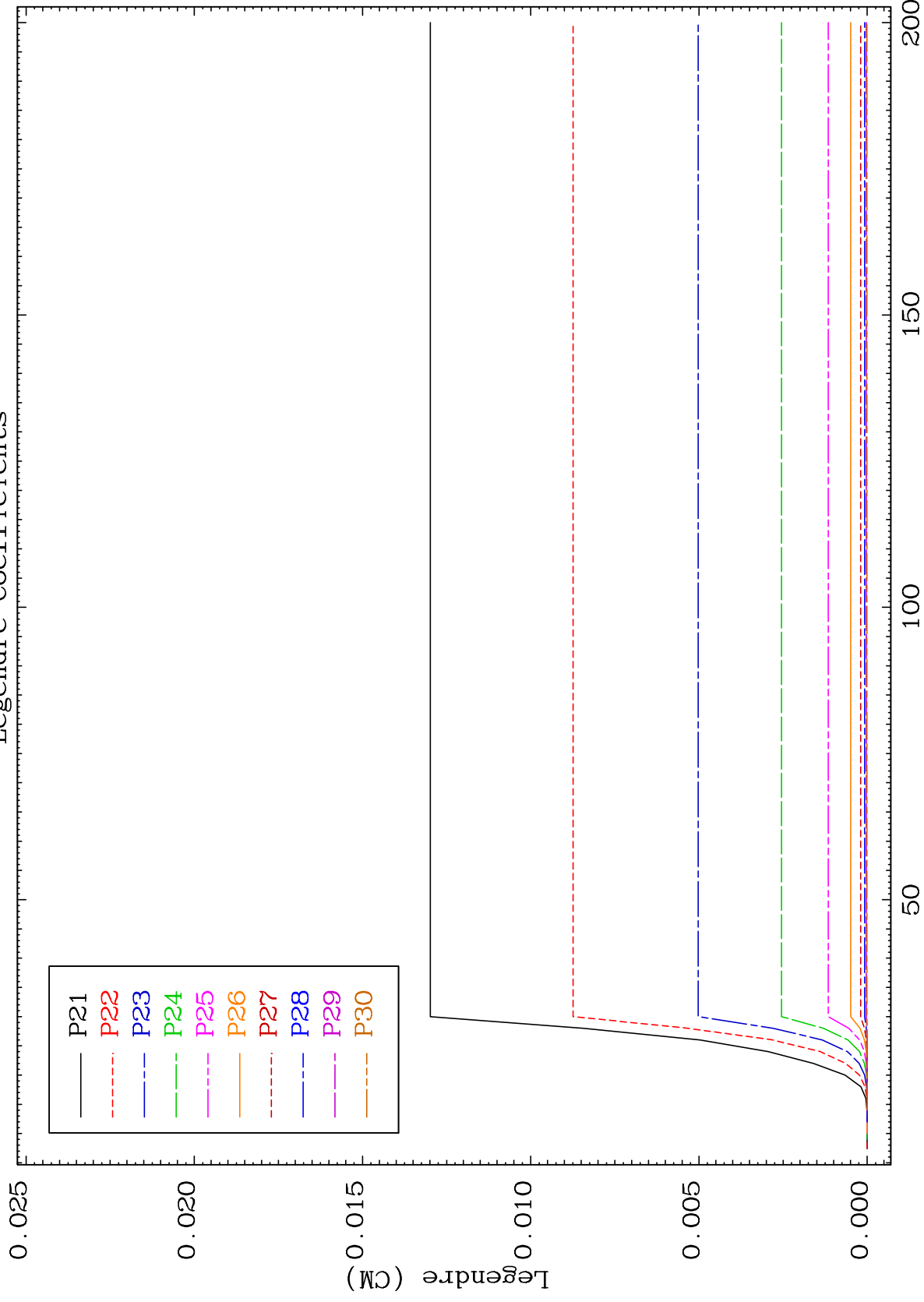
Incident Energy (MeV)

85-At-207

MAT 8537

747.2 keV (n,n') Level
Legendre Coefficients

85-At-207



38

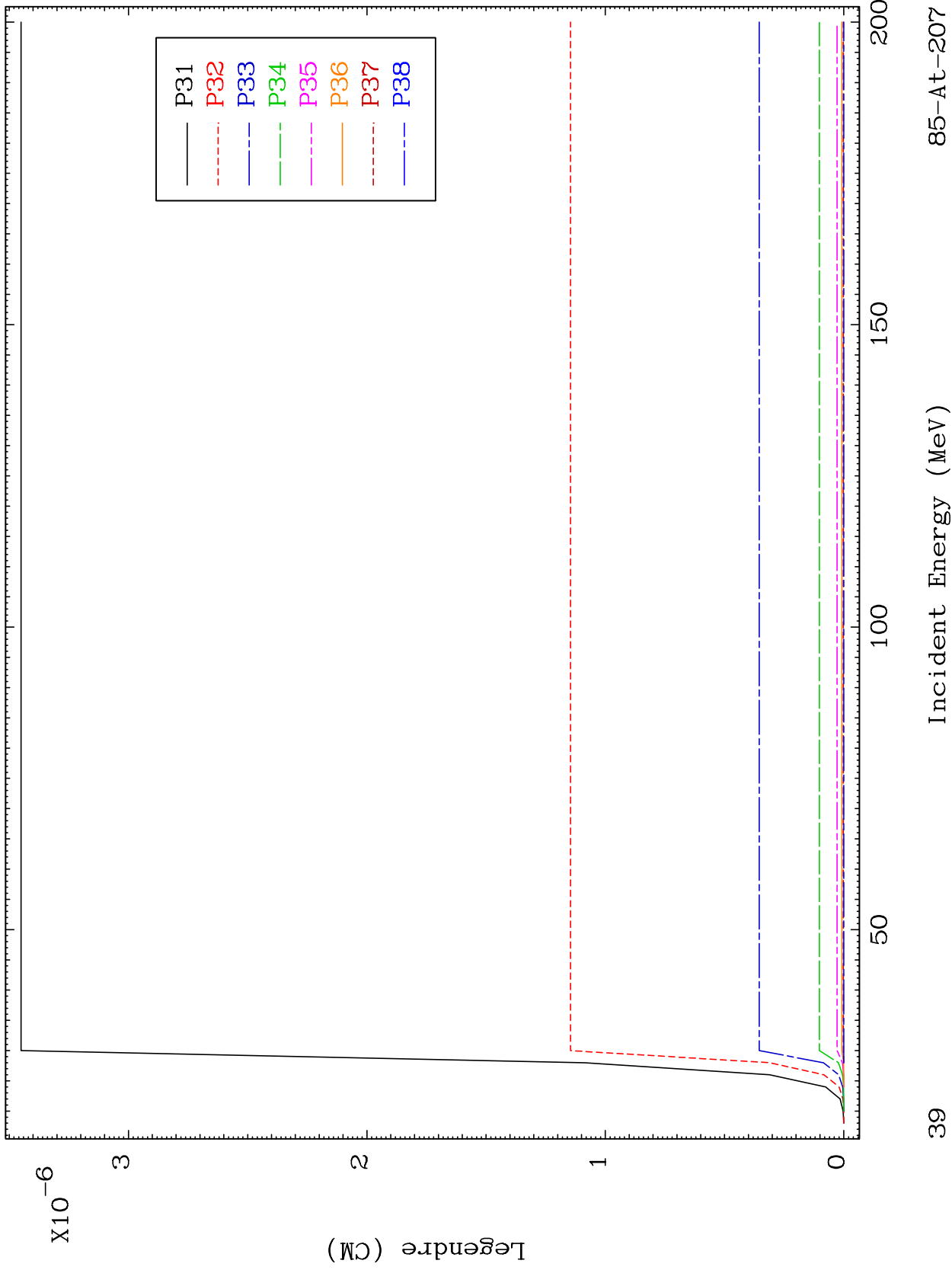
Incident Energy (MeV)

85-At-207

MAT 8537

747.2 keV (n,n') Level
Legendre Coefficients

85-At-207



39

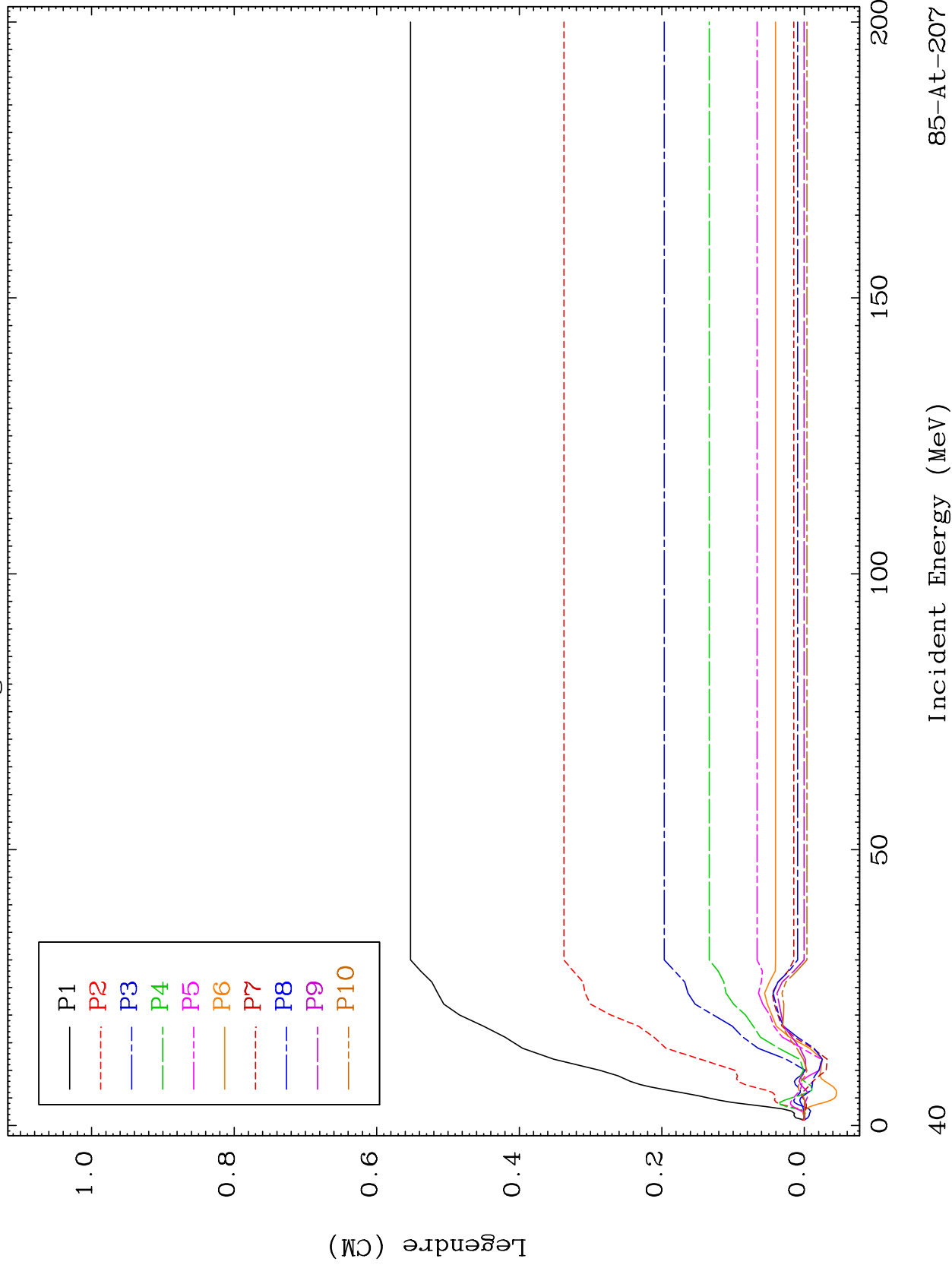
Incident Energy (MeV)

85-At-207

MAT 8537

973.3 keV (n,n') Level
Legendre Coefficients

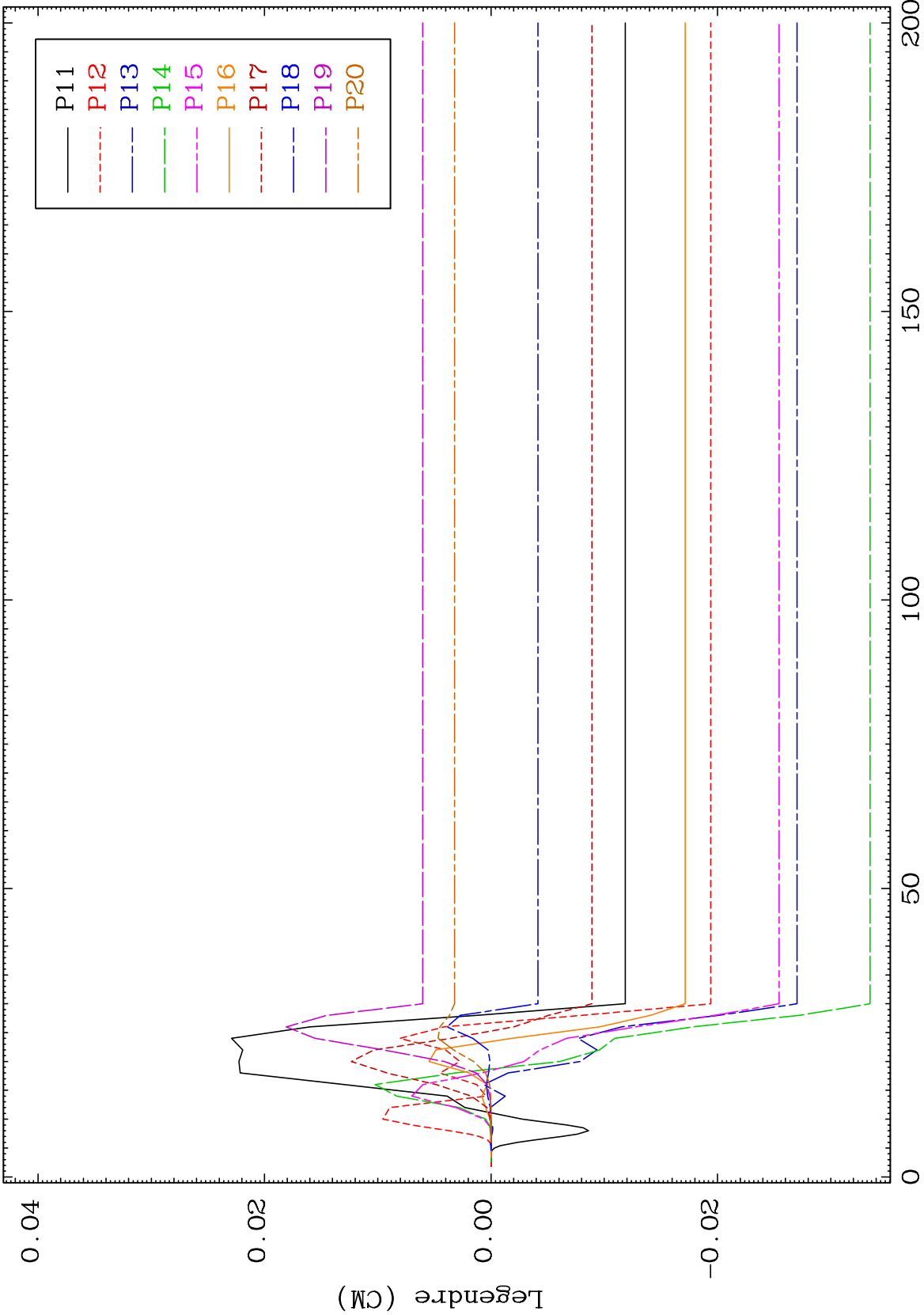
85-At-207



MAT 8537

973.3 keV (n,n') Level
Legendre Coefficients

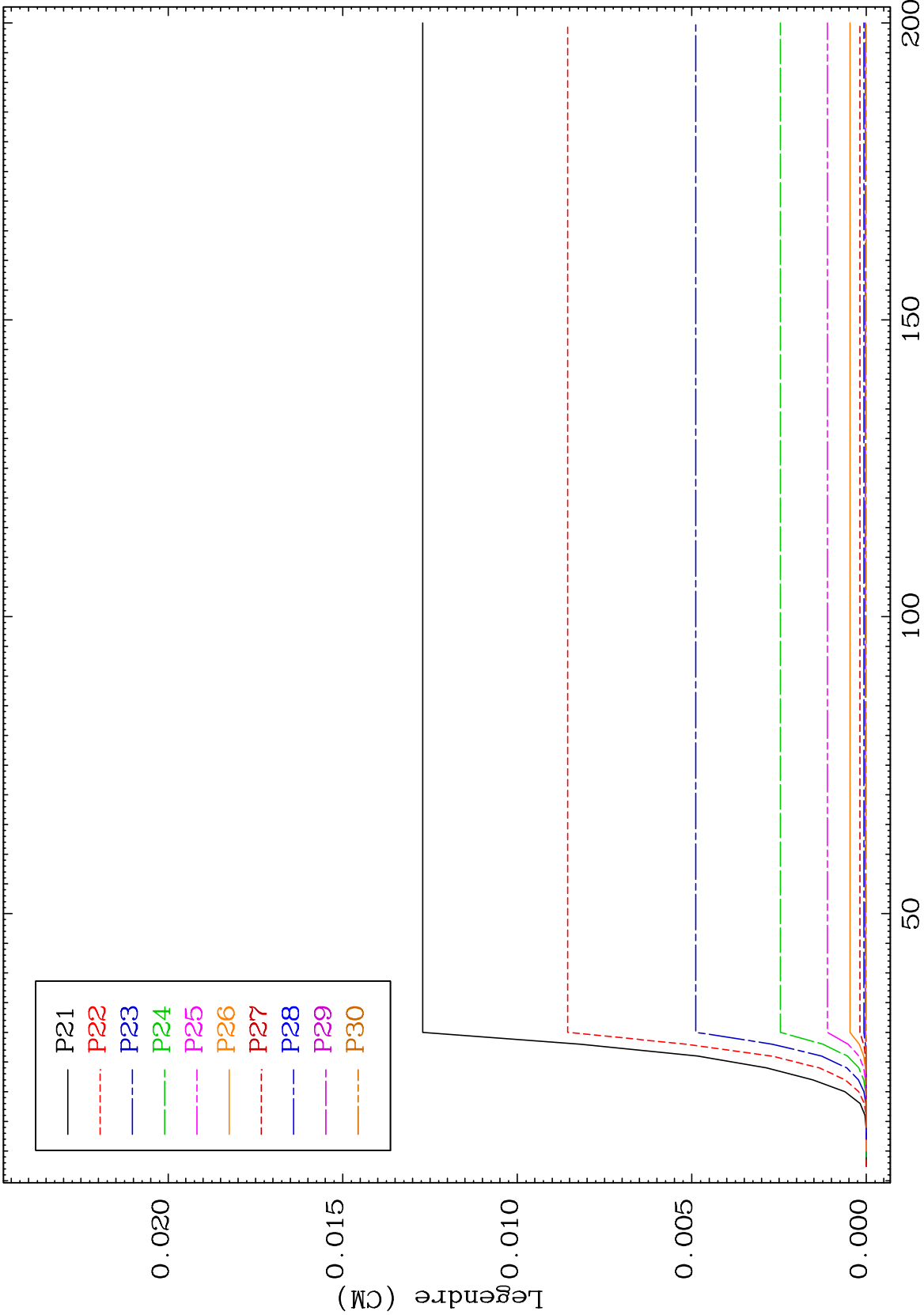
85-At-207



MAT 8537

973.3 keV (n,n') Level
Legendre Coefficients

85-At-207



42

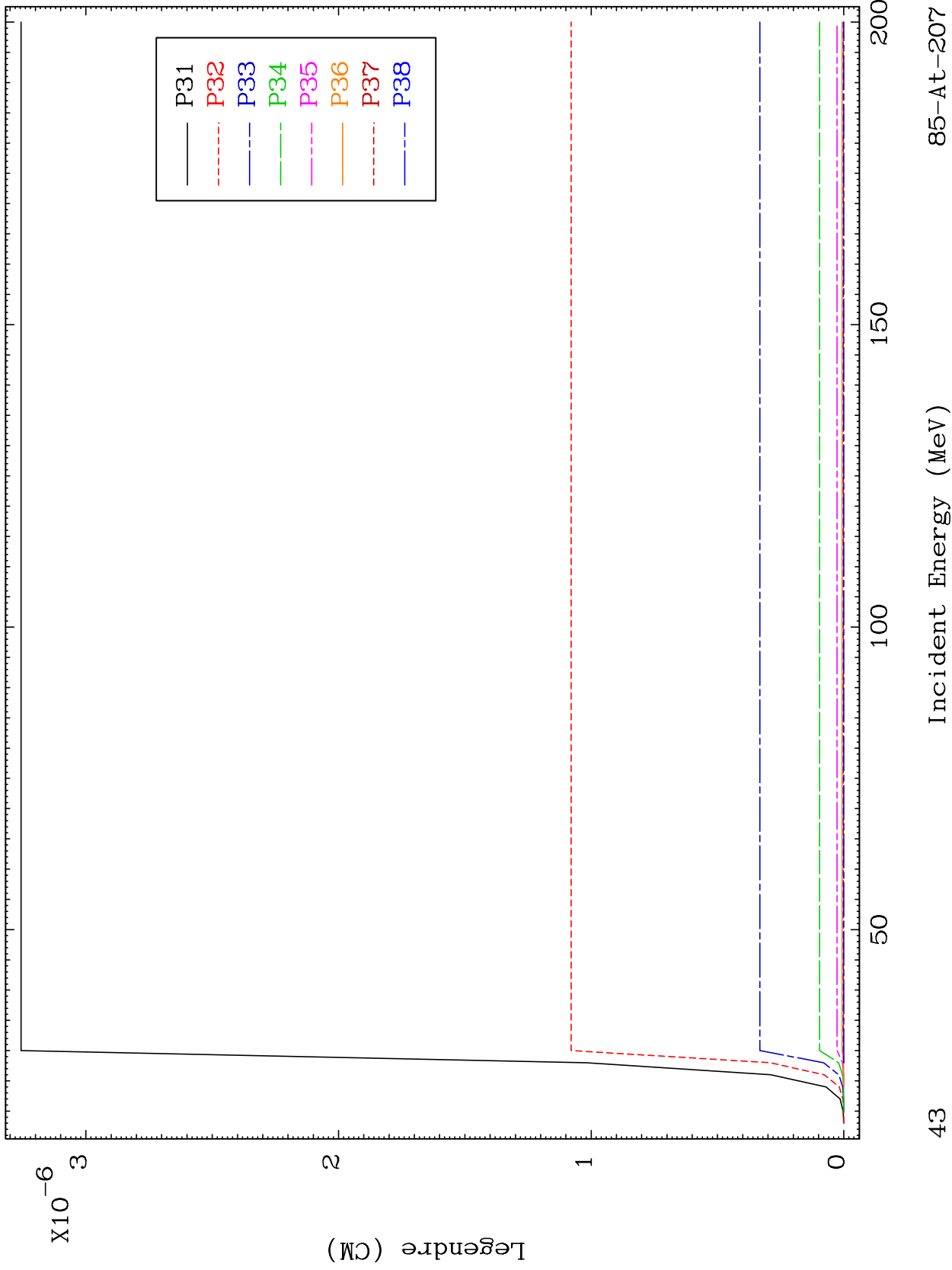
Incident Energy (MeV)

85-At-207

MAT 8537

973.3 keV (n,n') Level
Legendre Coefficients

85-At-207



43

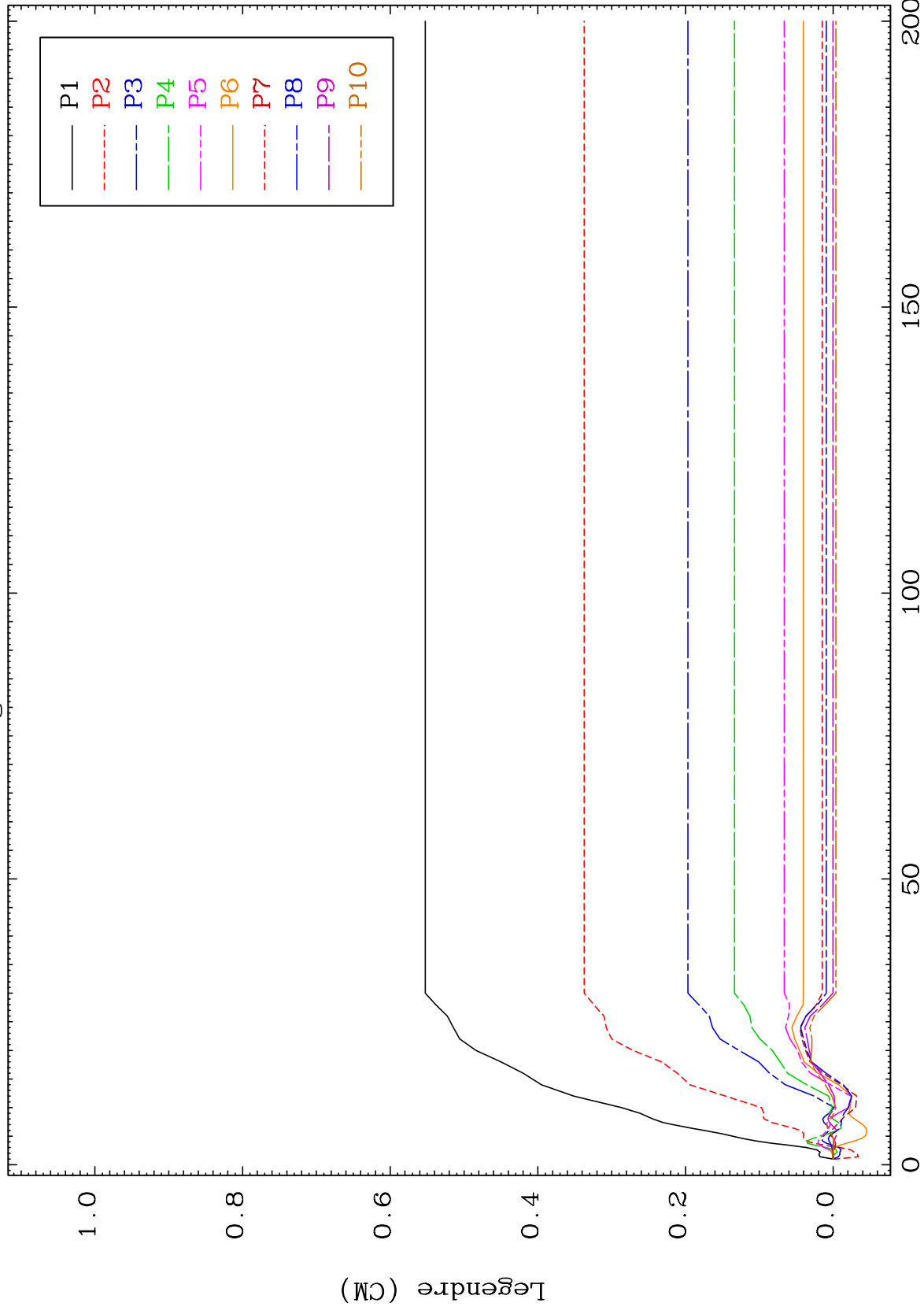
Incident Energy (MeV)

85-At-207

MAT 8537

976.1 keV (n,n') Level
Legendre Coefficients

85-At-207



44

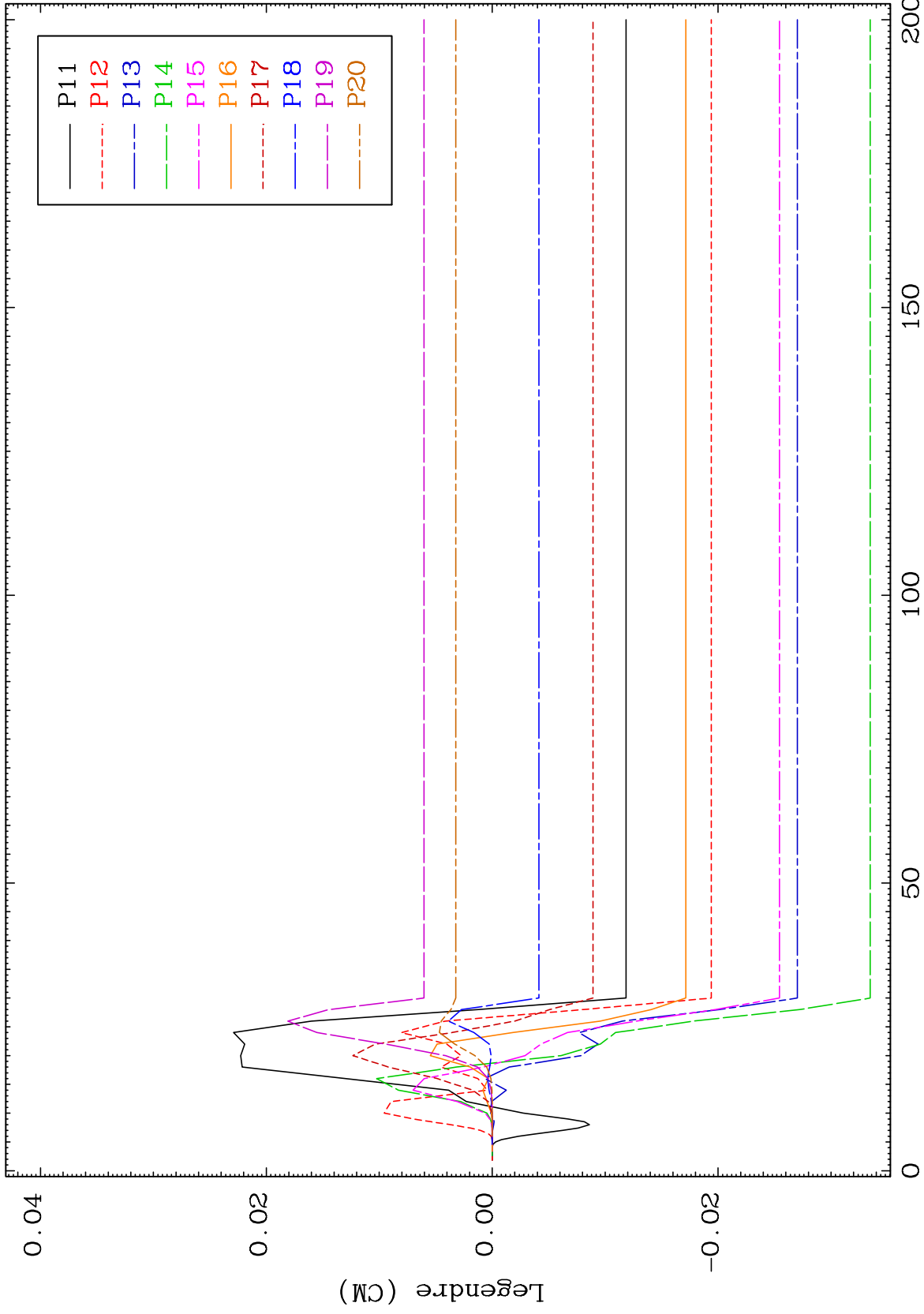
Incident Energy (MeV)

85-At-207

MAT 8537

976.1 keV (n,n') Level
Legendre Coefficients

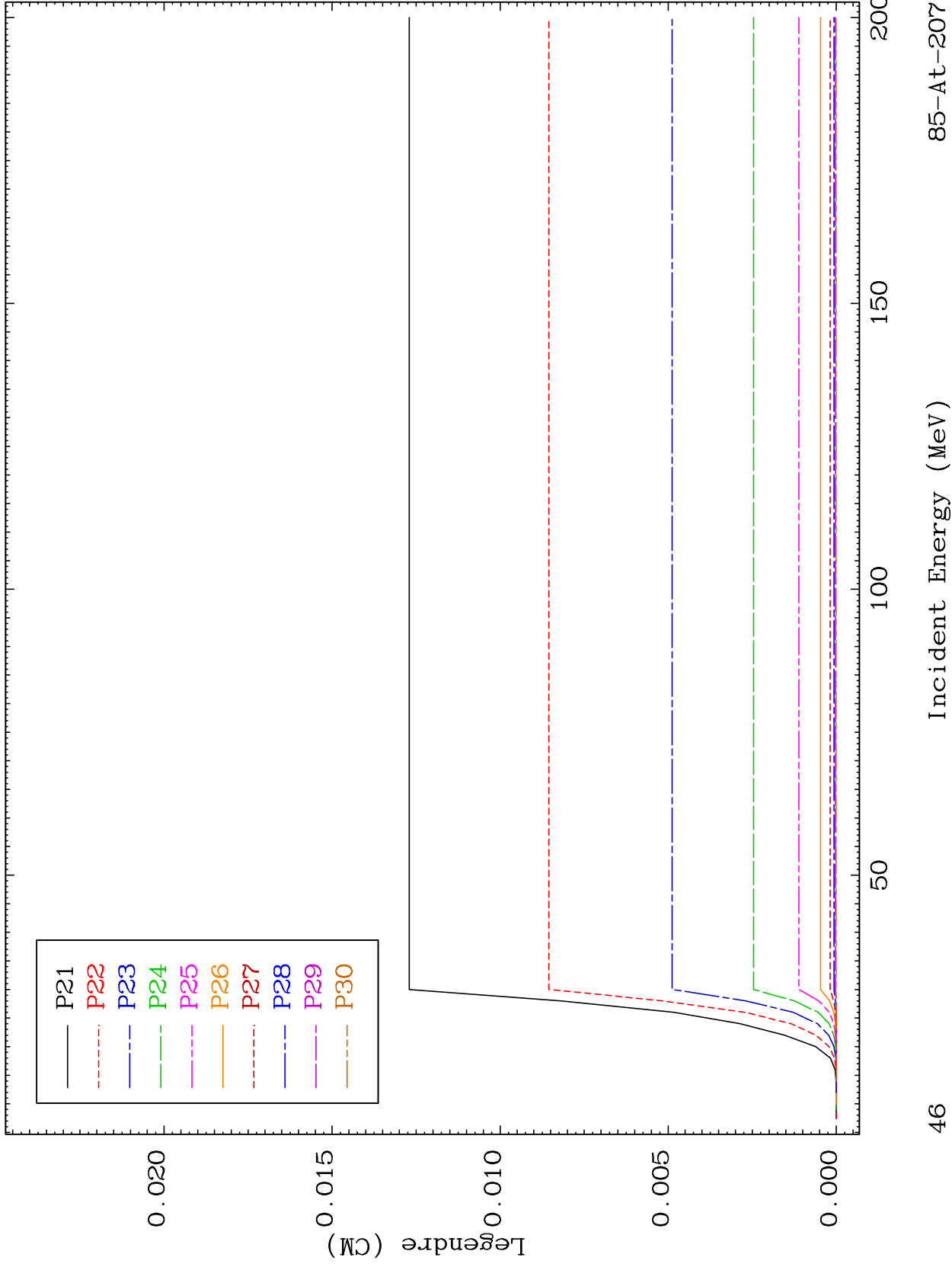
85-At-207



45

Incident Energy (MeV)

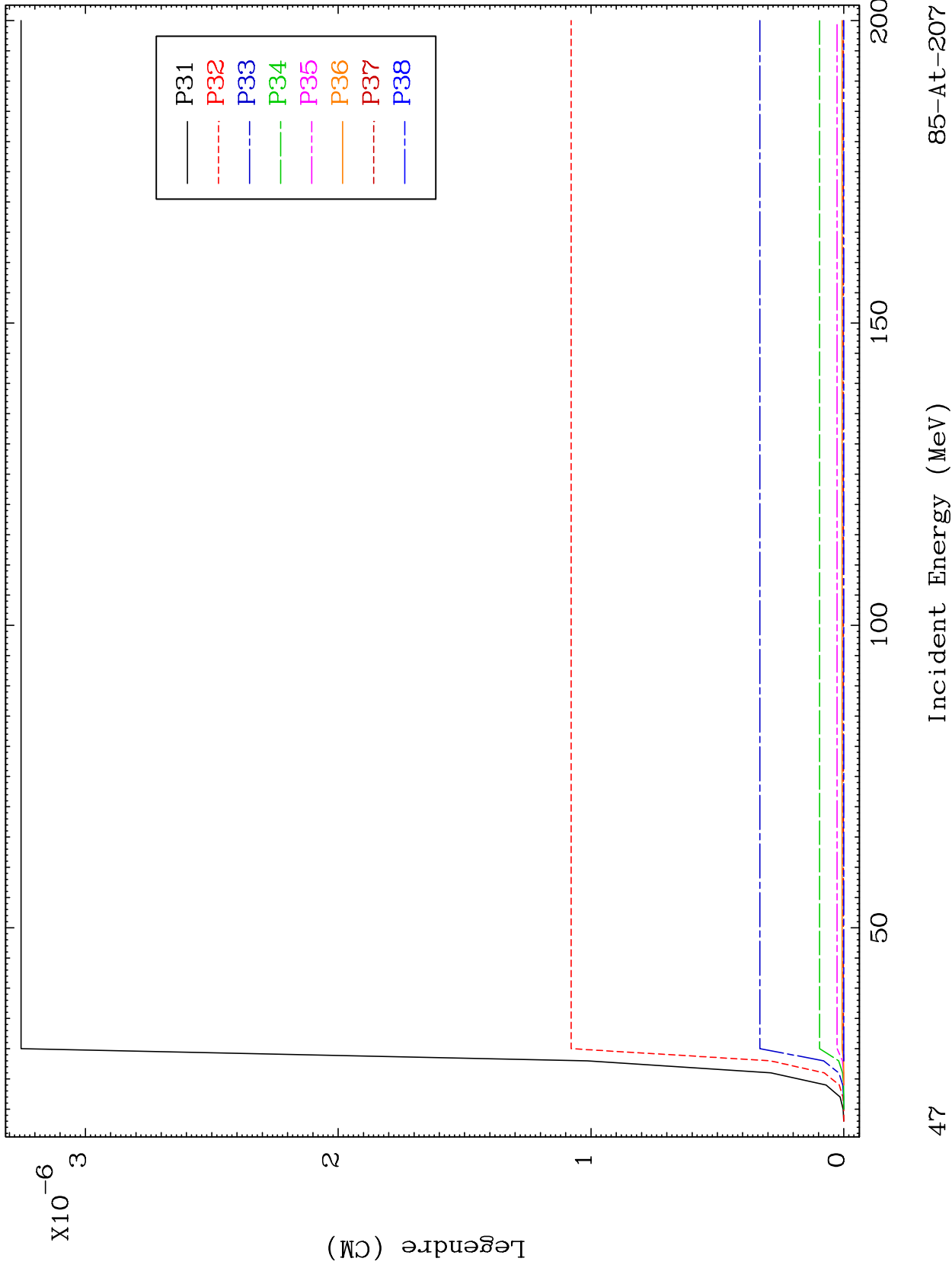
85-At-207

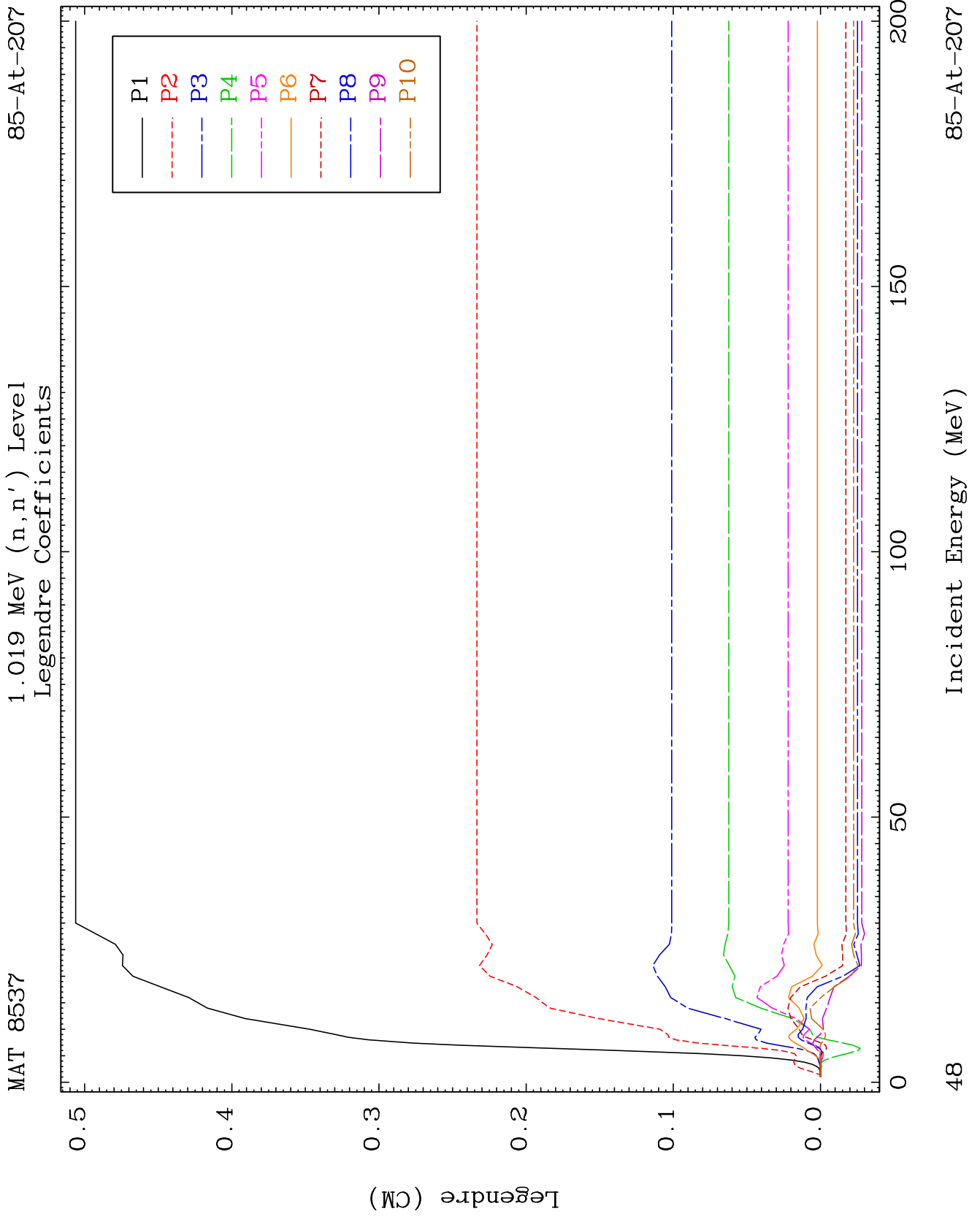


MAT 8537

976.1 keV (n,n') Level
Legendre Coefficients

85-At-207

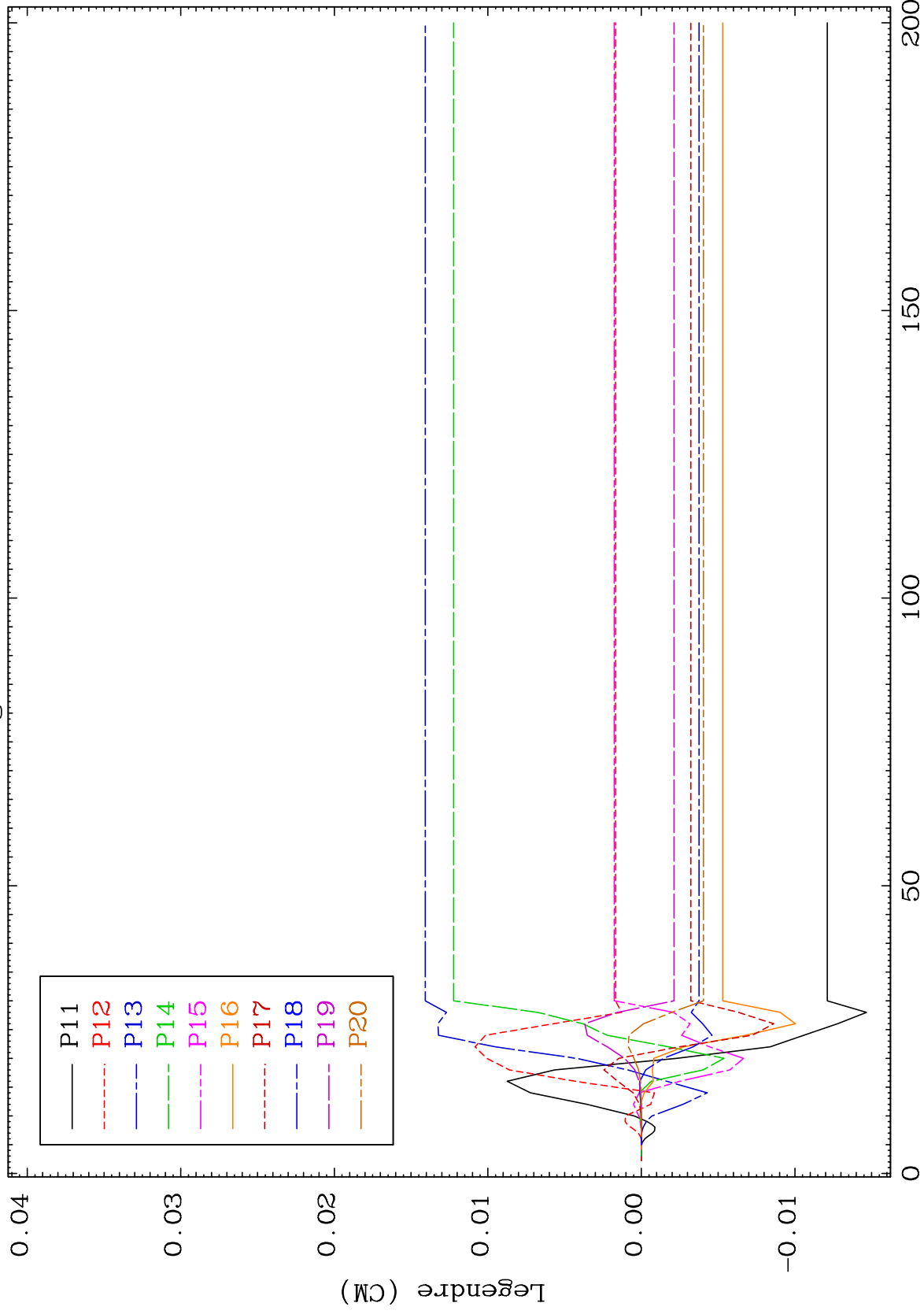




MAT 8537

1.019 MeV (n,n') Level
Legendre Coefficients

85-At-207



49

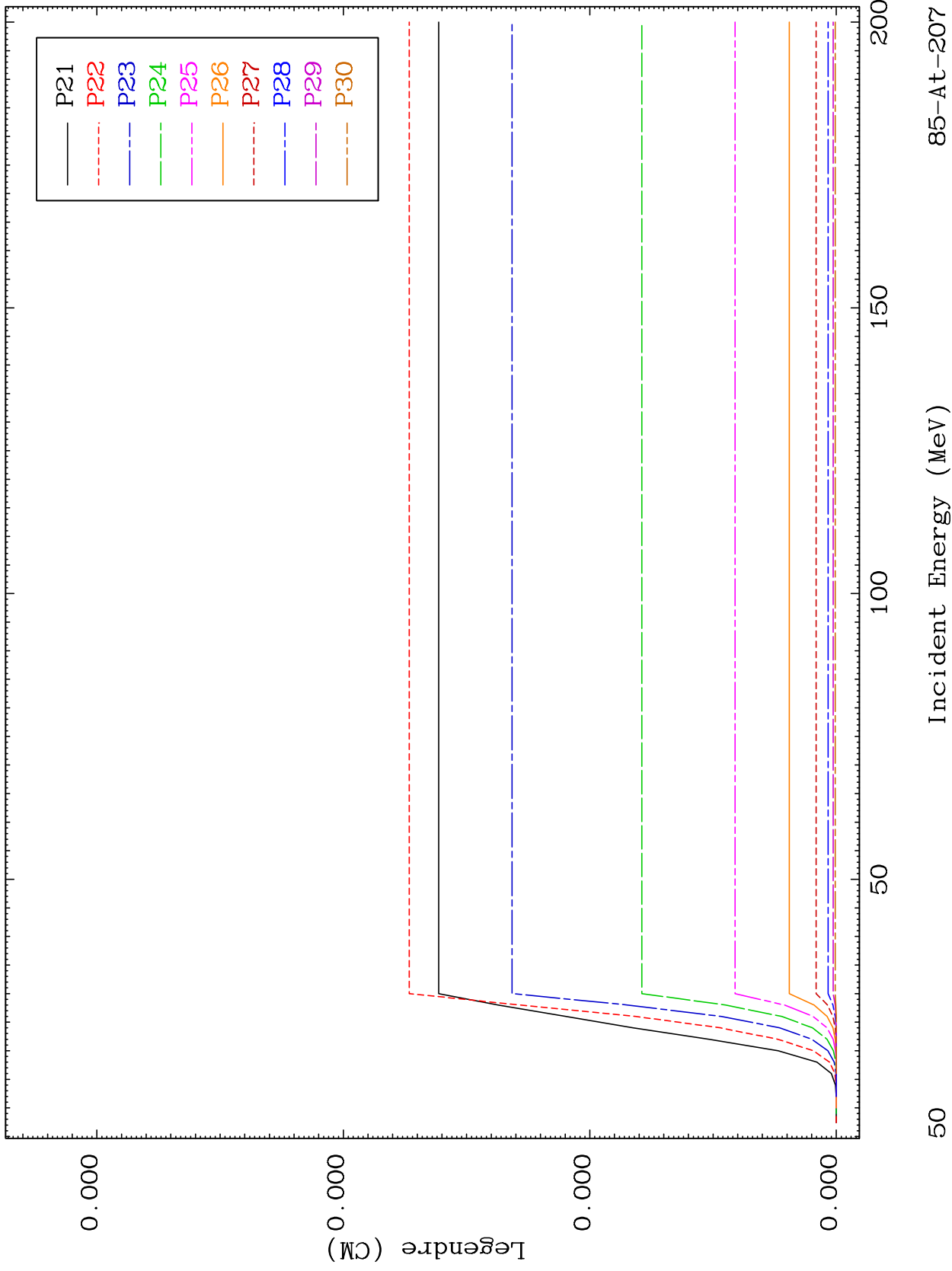
Incident Energy (MeV)

85-At-207

MAT 8537

1.019 MeV (n,n') Level
Legendre Coefficients

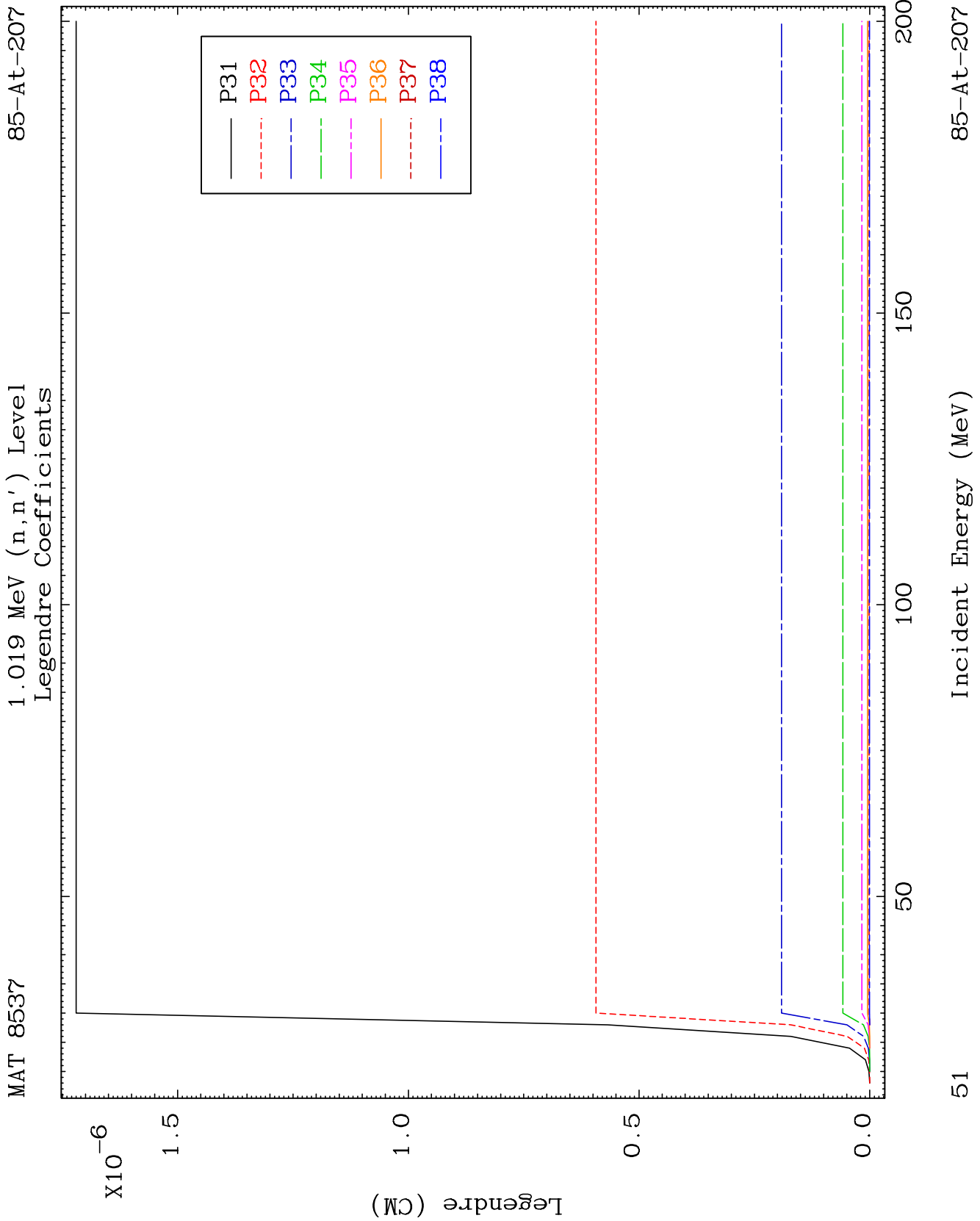
85-At-207

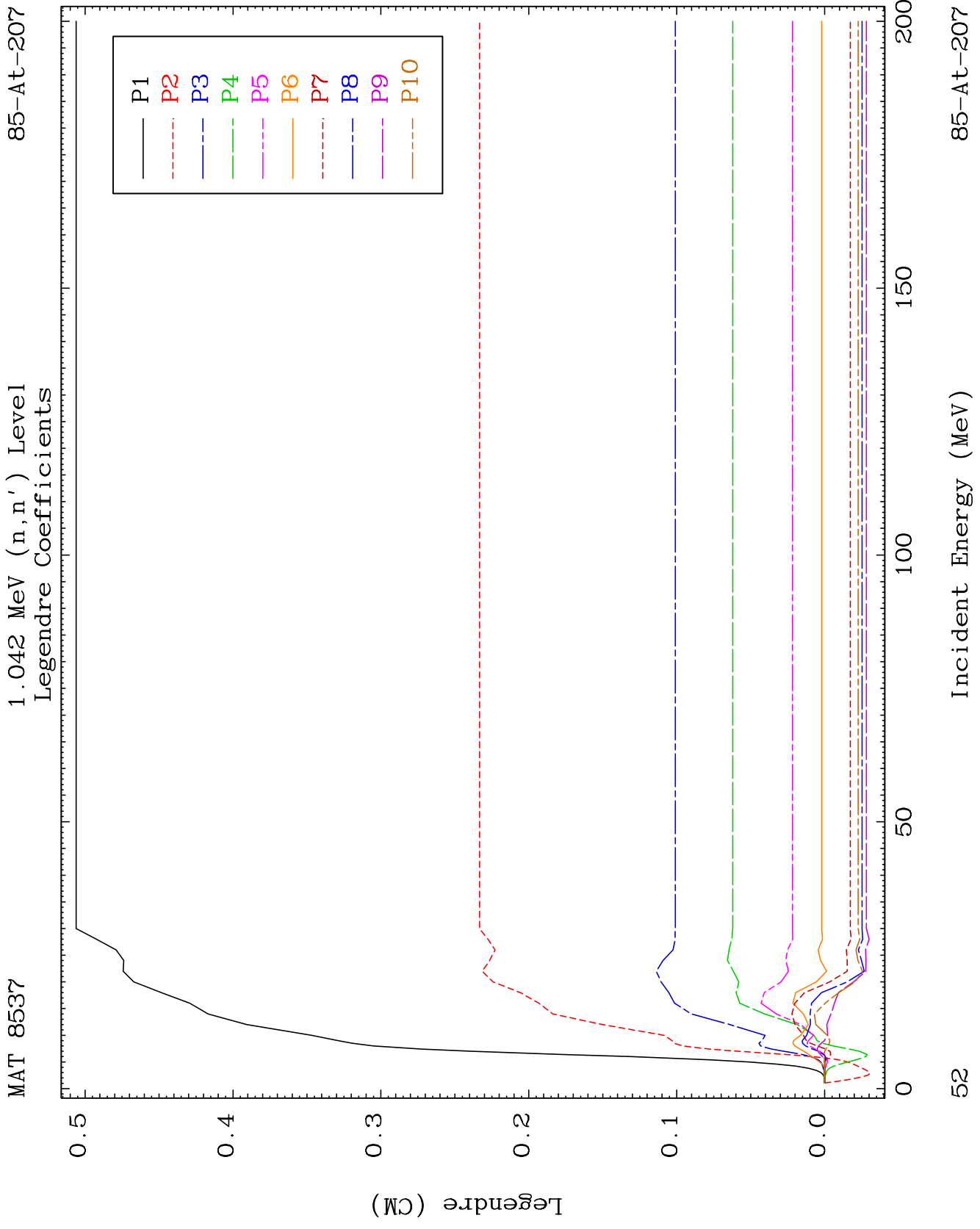


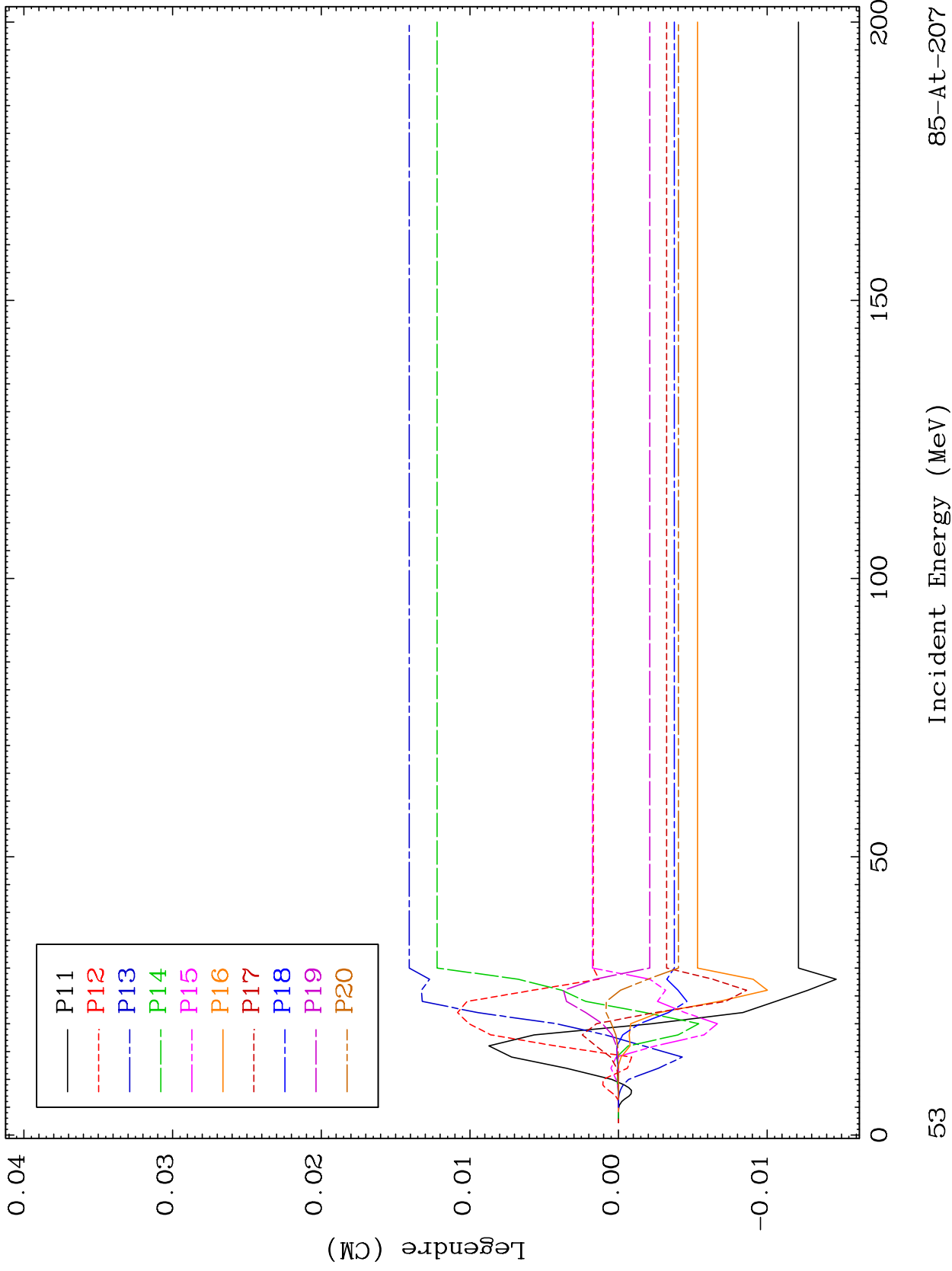
85-At-207

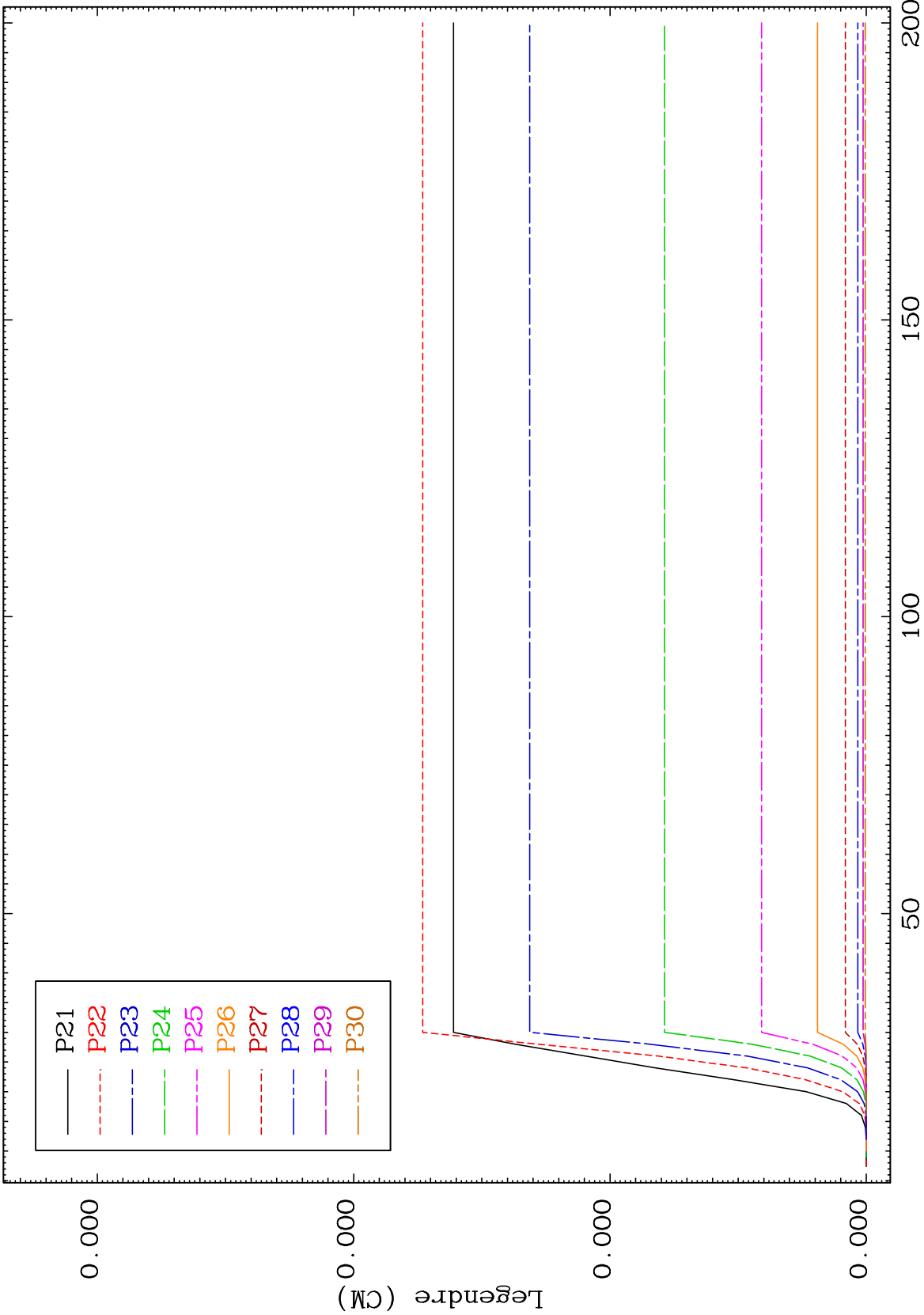
Incident Energy (MeV)

50





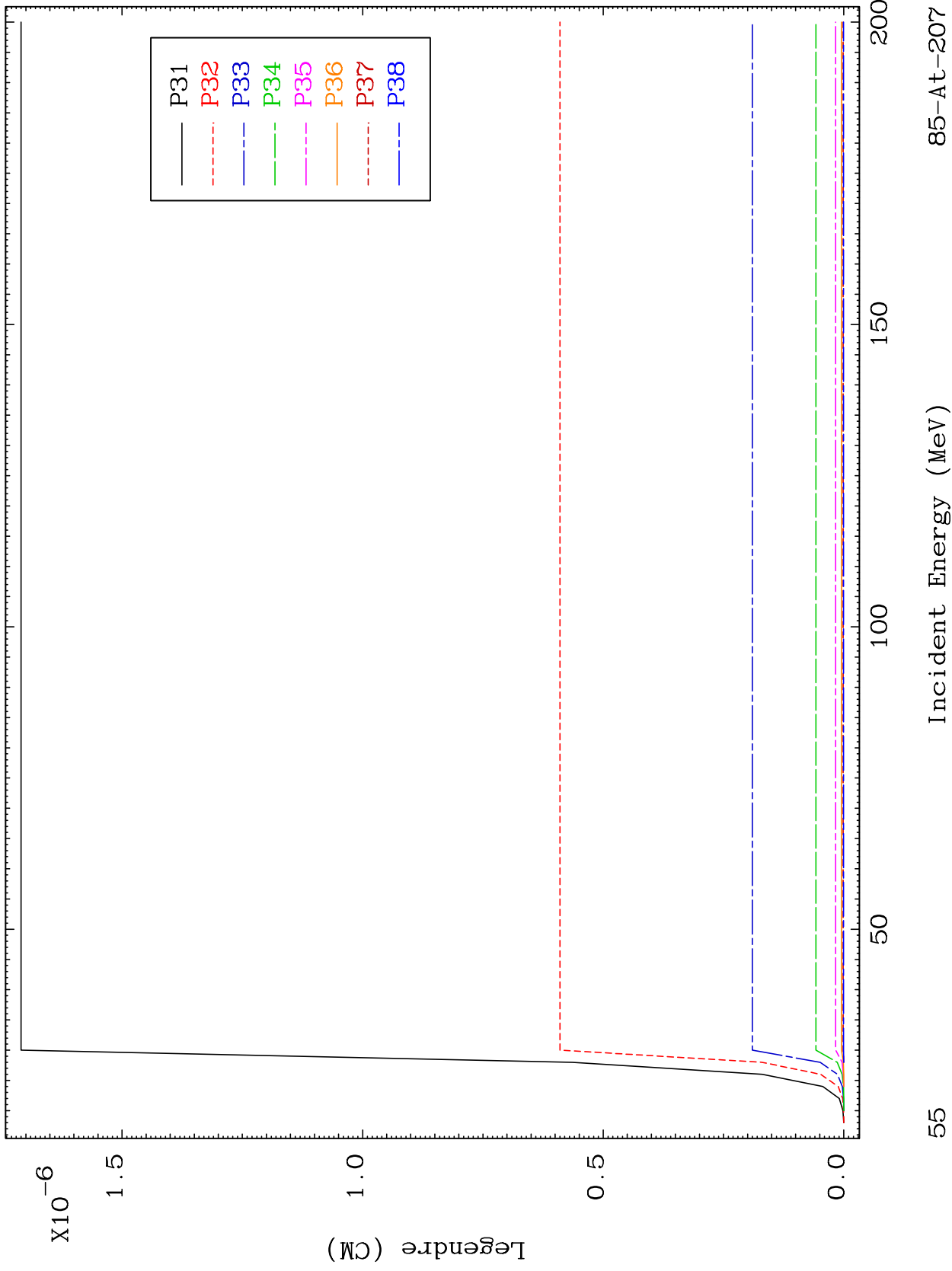




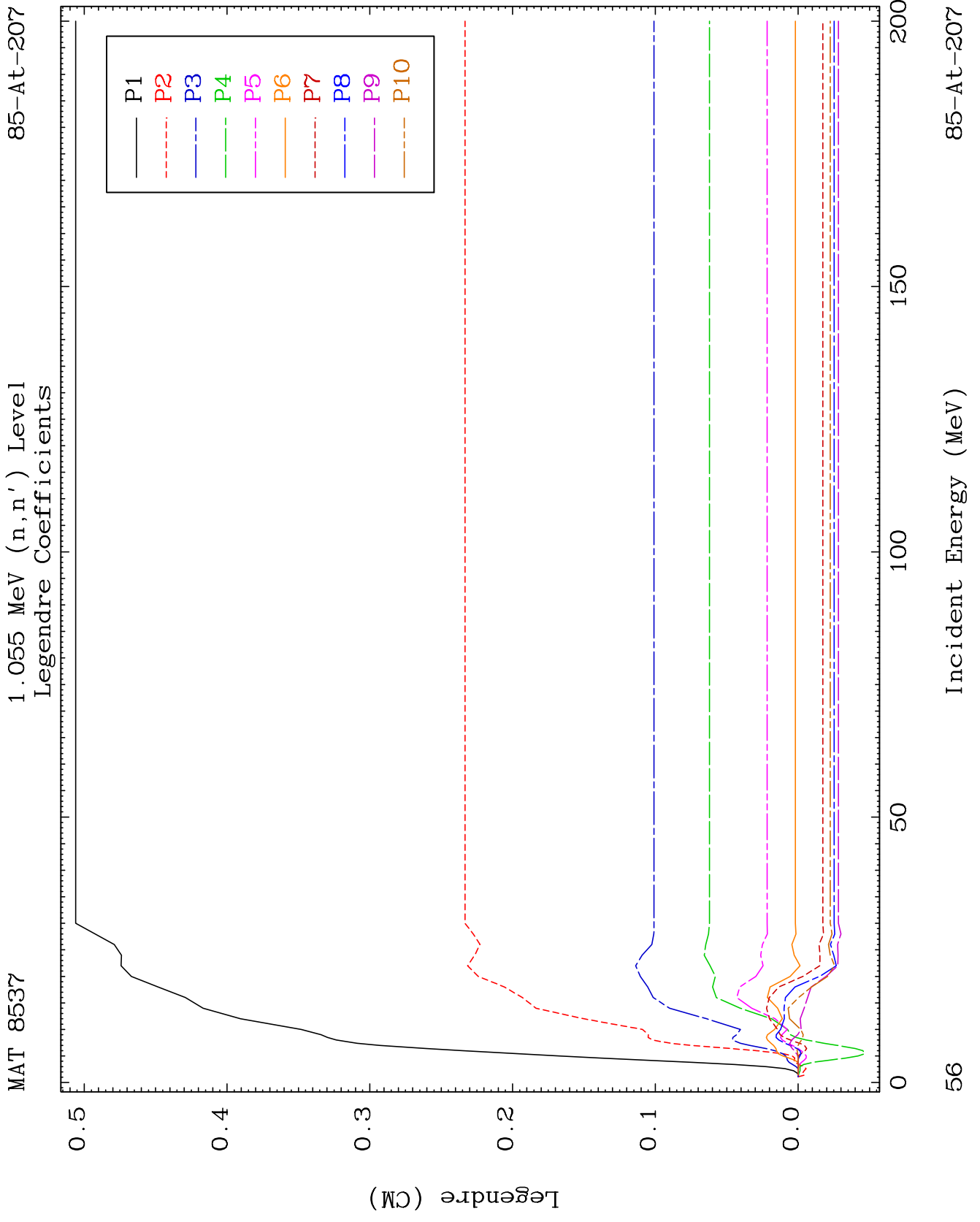
MAT 8537

1.042 MeV (n,n') Level
Legendre Coefficients

85-At-207



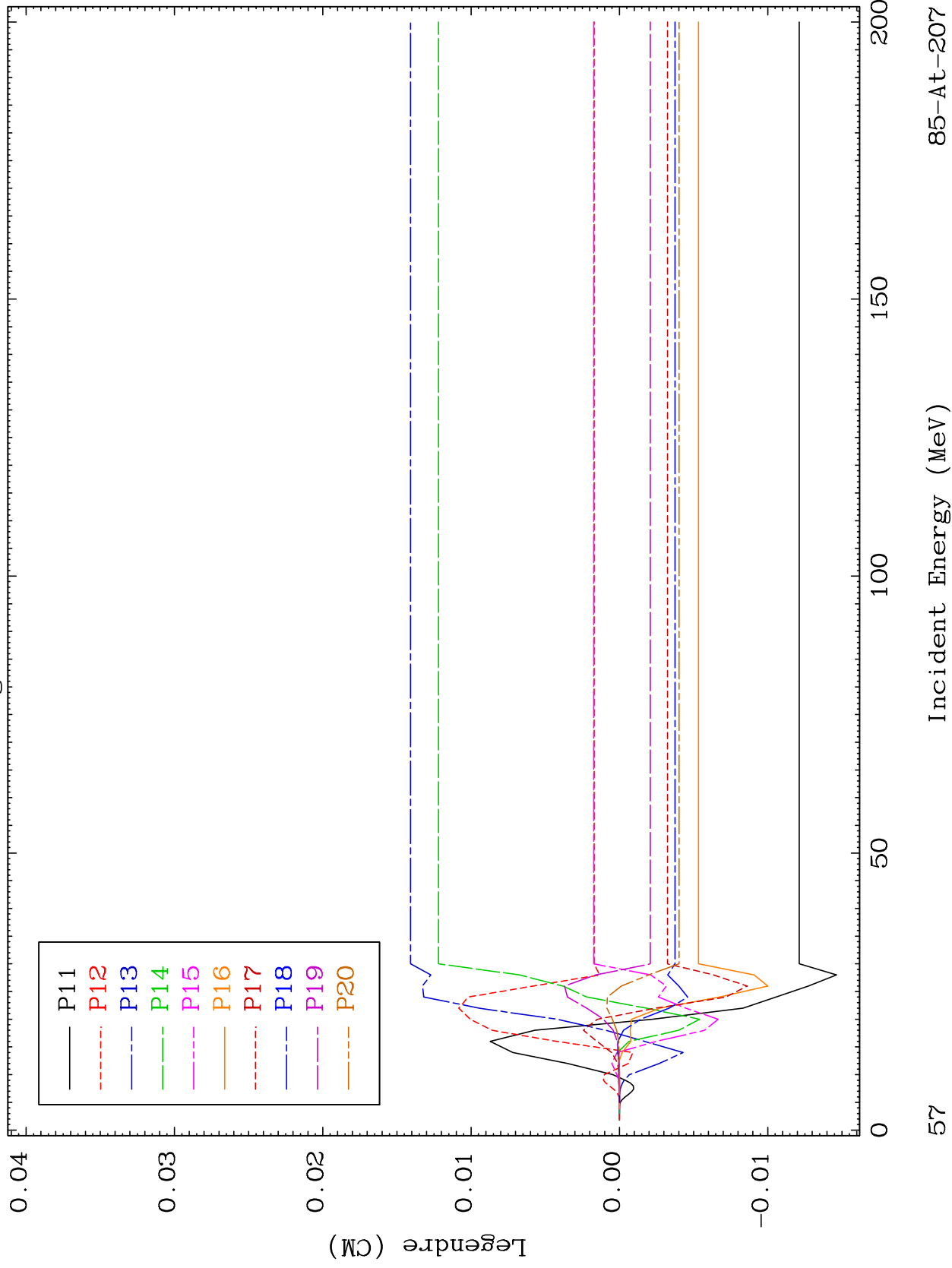
55



MAT 8537

1.055 MeV (n,n') Level
Legendre Coefficients

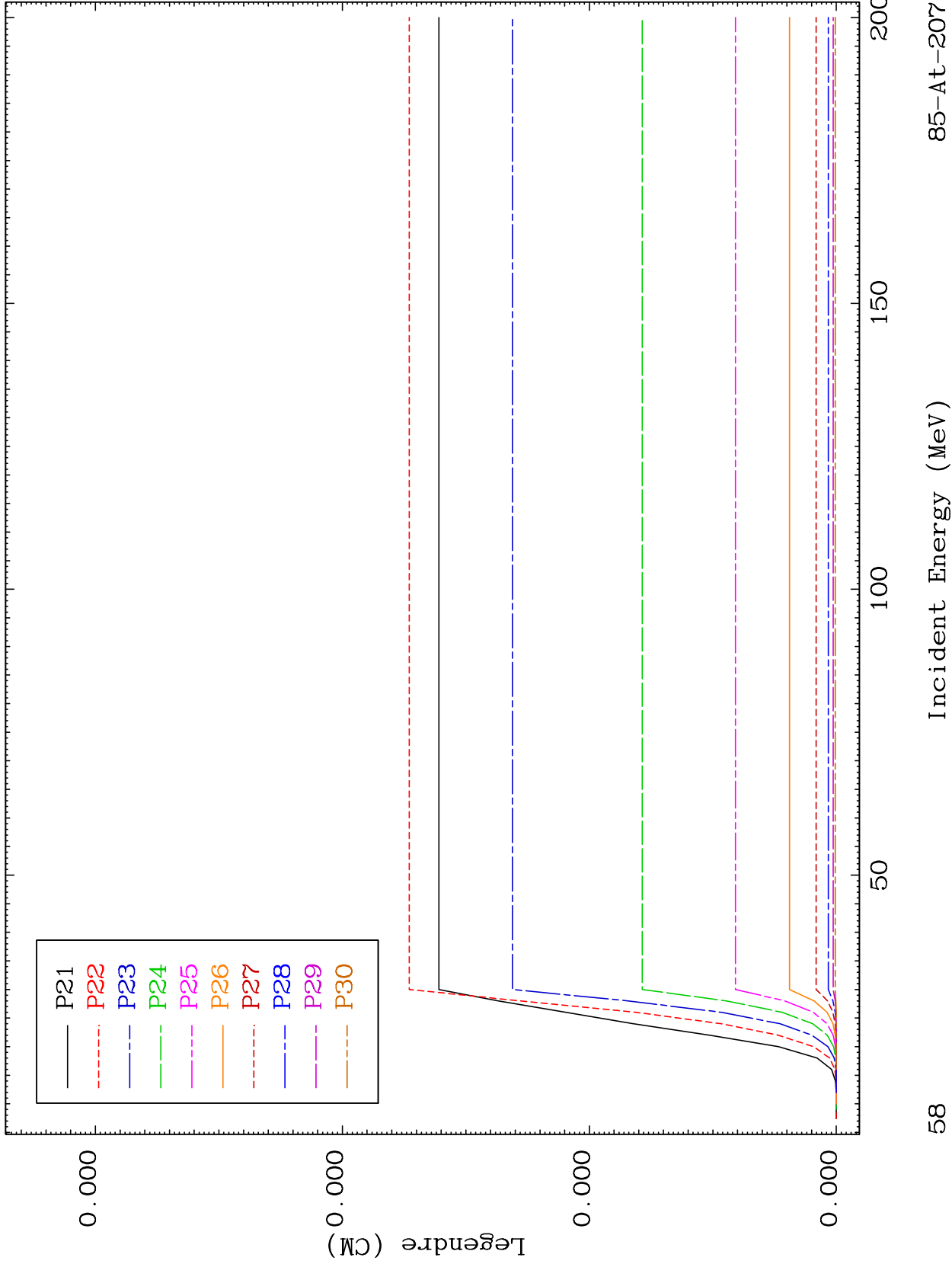
85-At-207

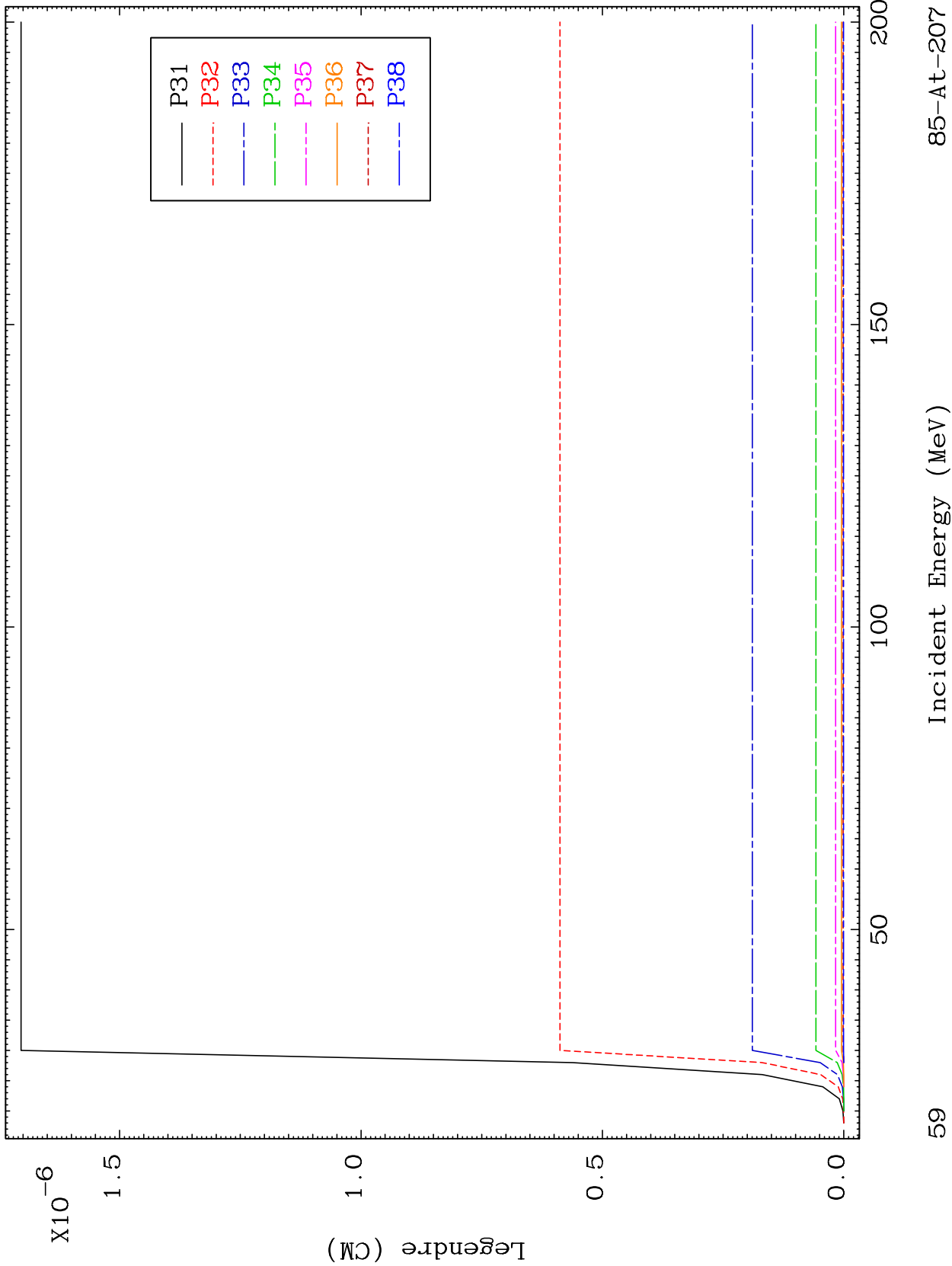


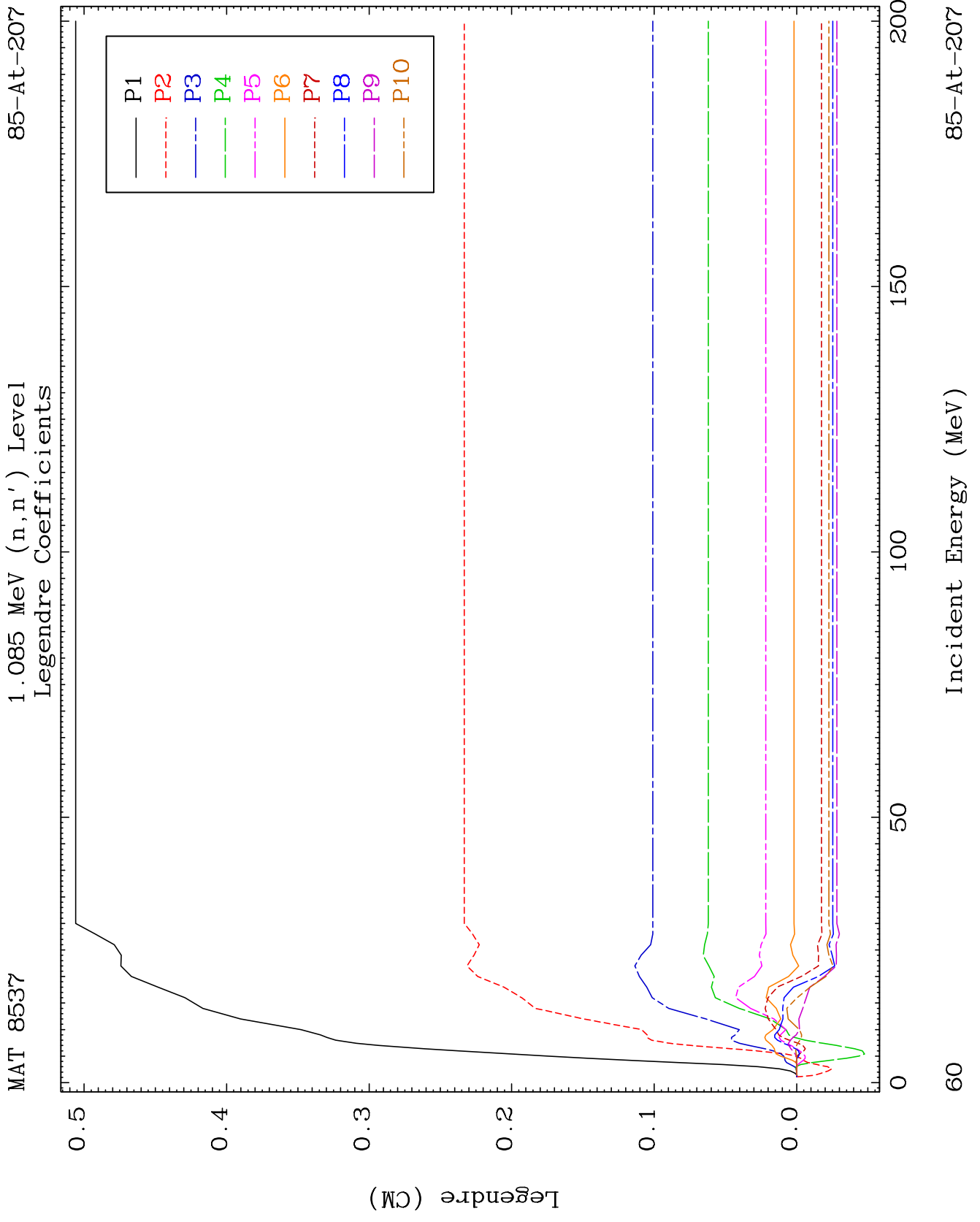
57

Incident Energy (MeV)

85-At-207



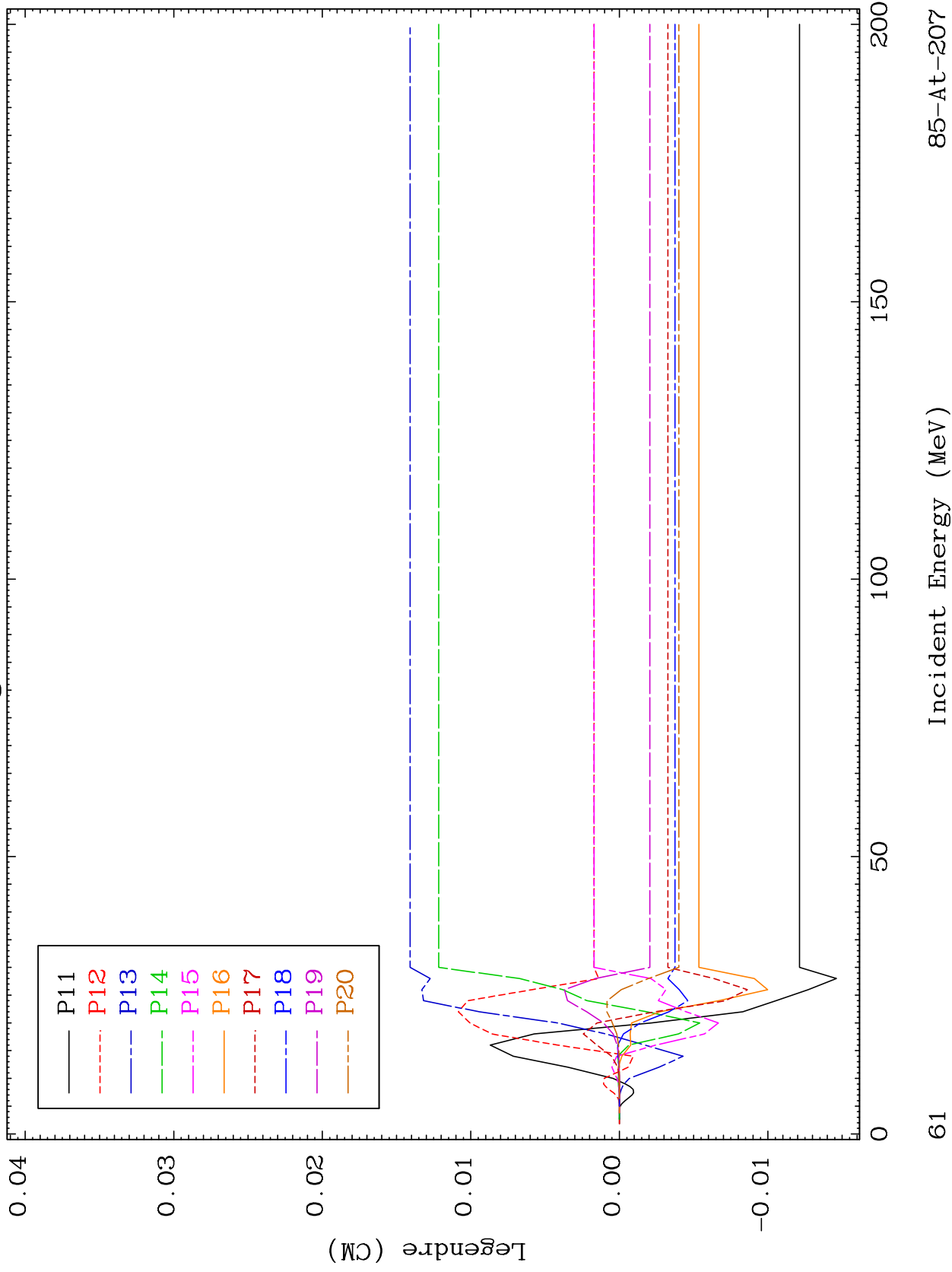




MAT 8537

1.085 MeV (n,n') Level
Legendre Coefficients

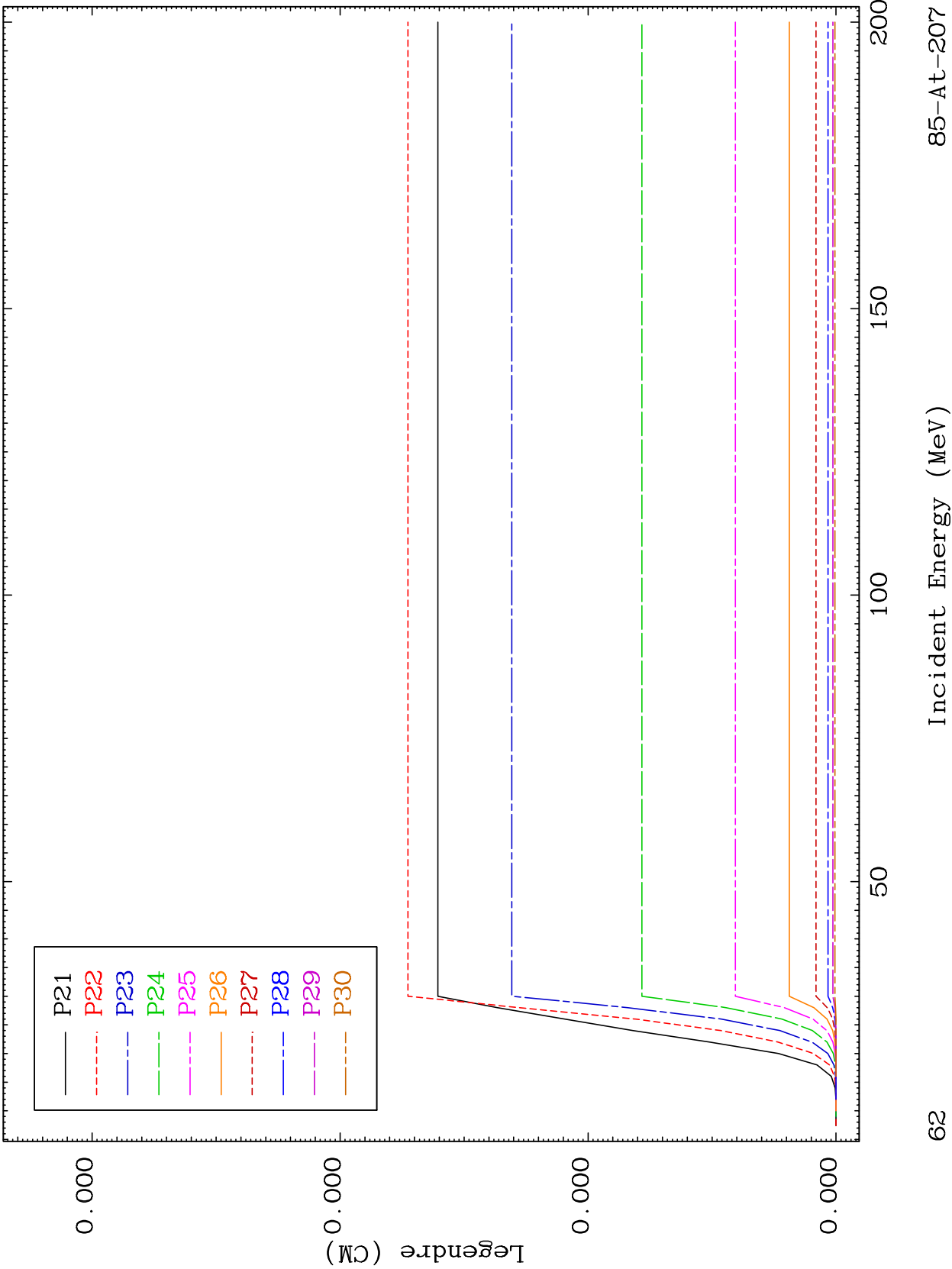
85-At-207

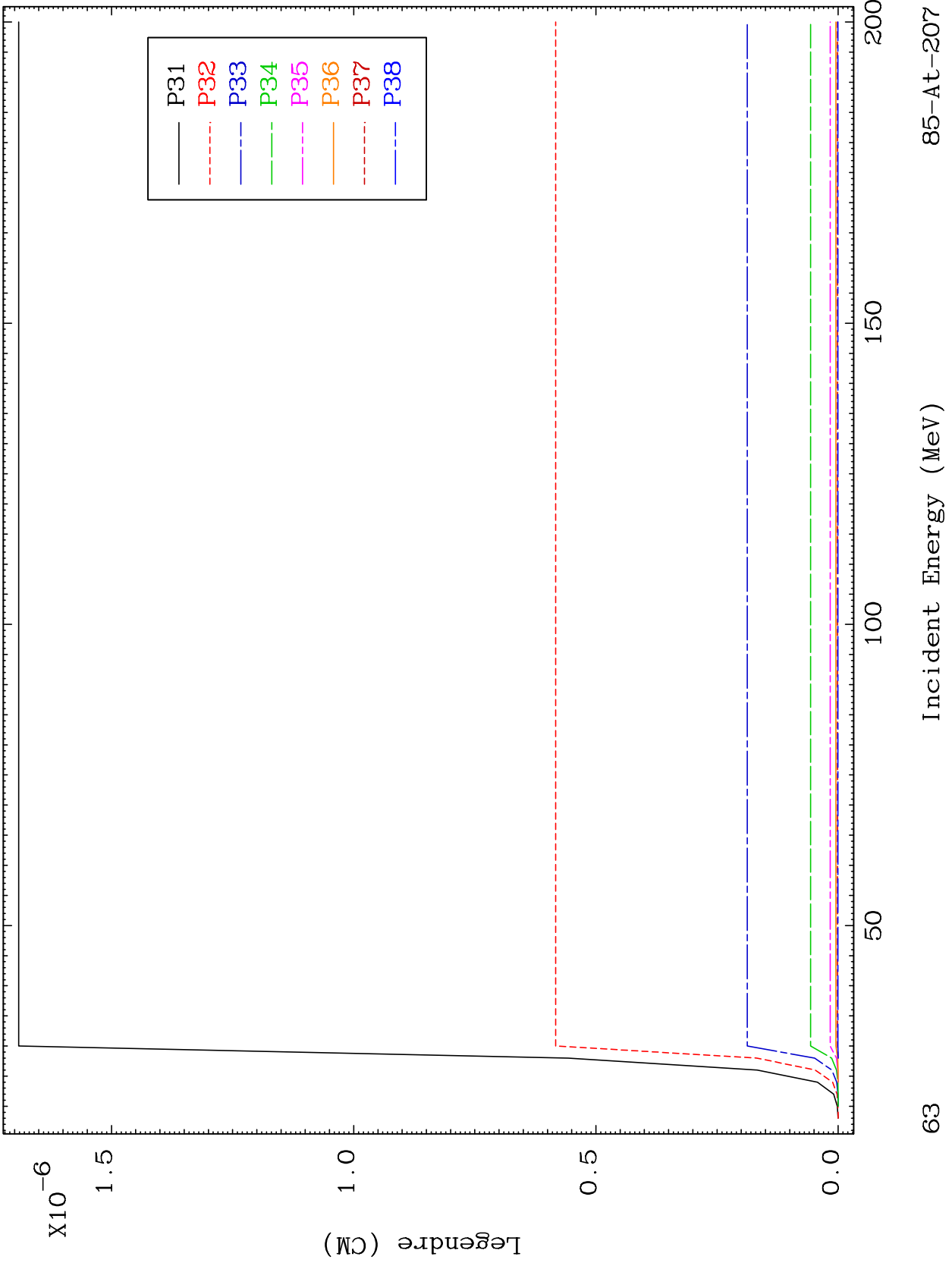


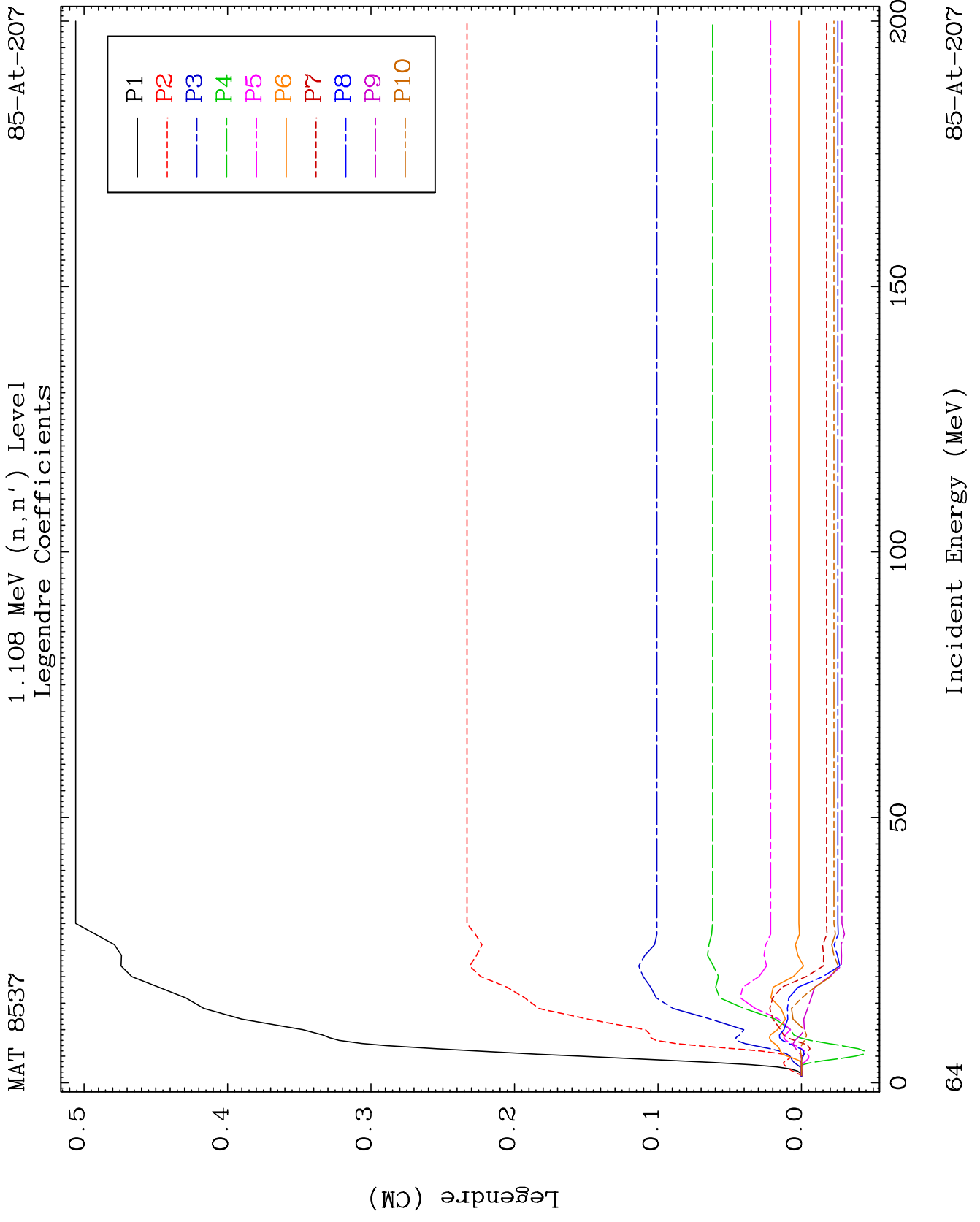
85-At-207

Incident Energy (MeV)

61



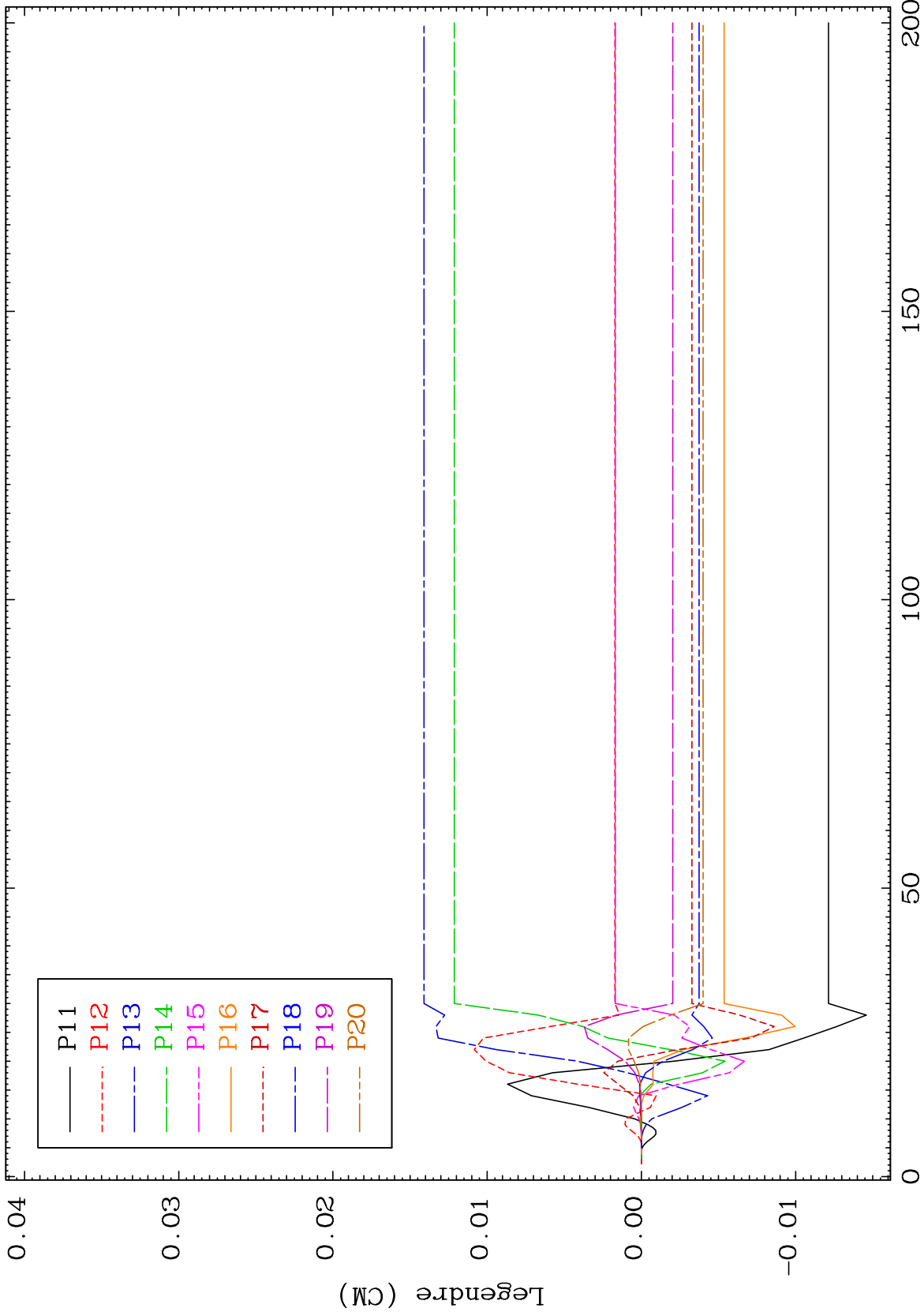




MAT 8537

1.108 MeV (n,n') Level
Legendre Coefficients

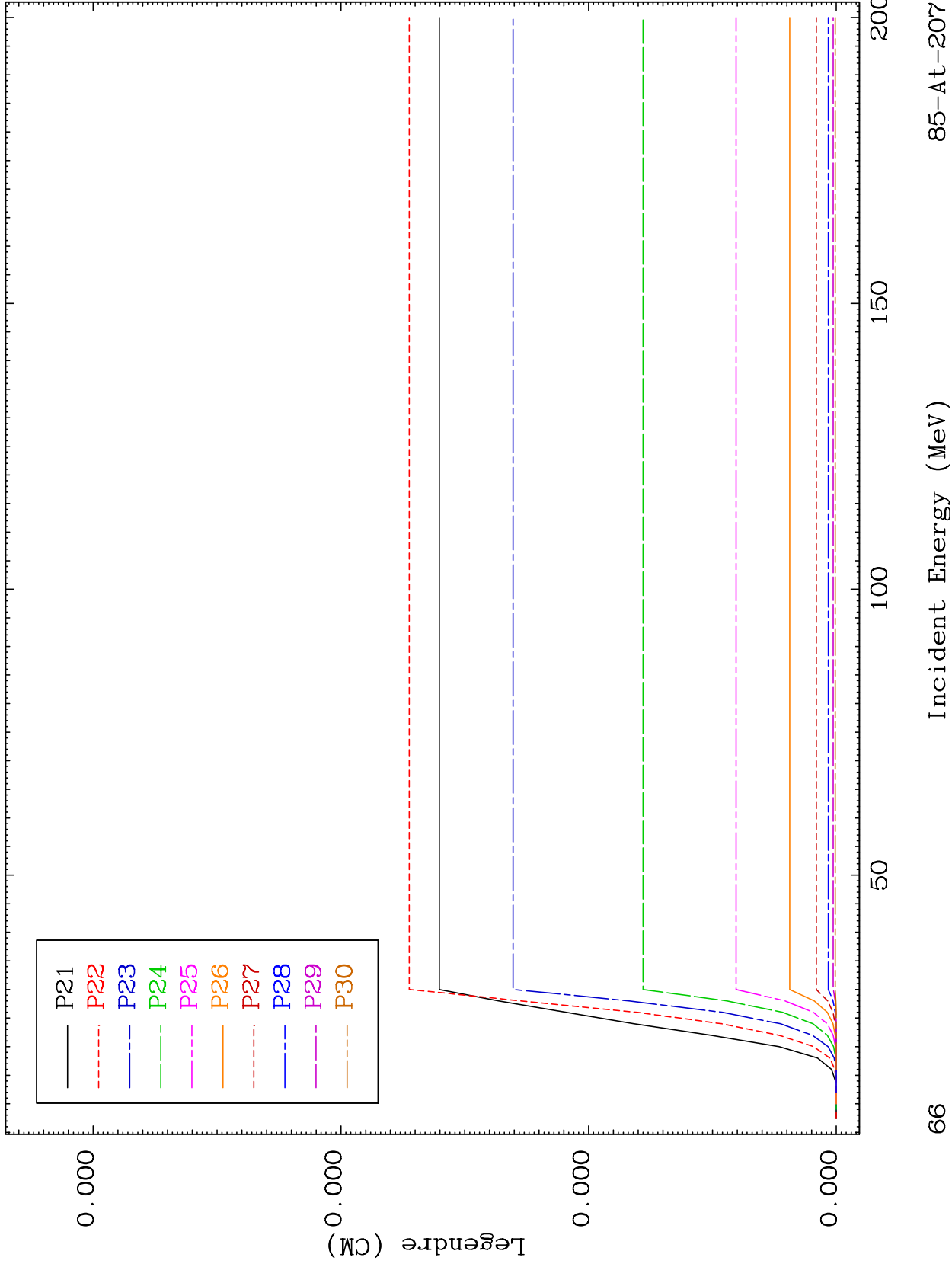
85-At-207

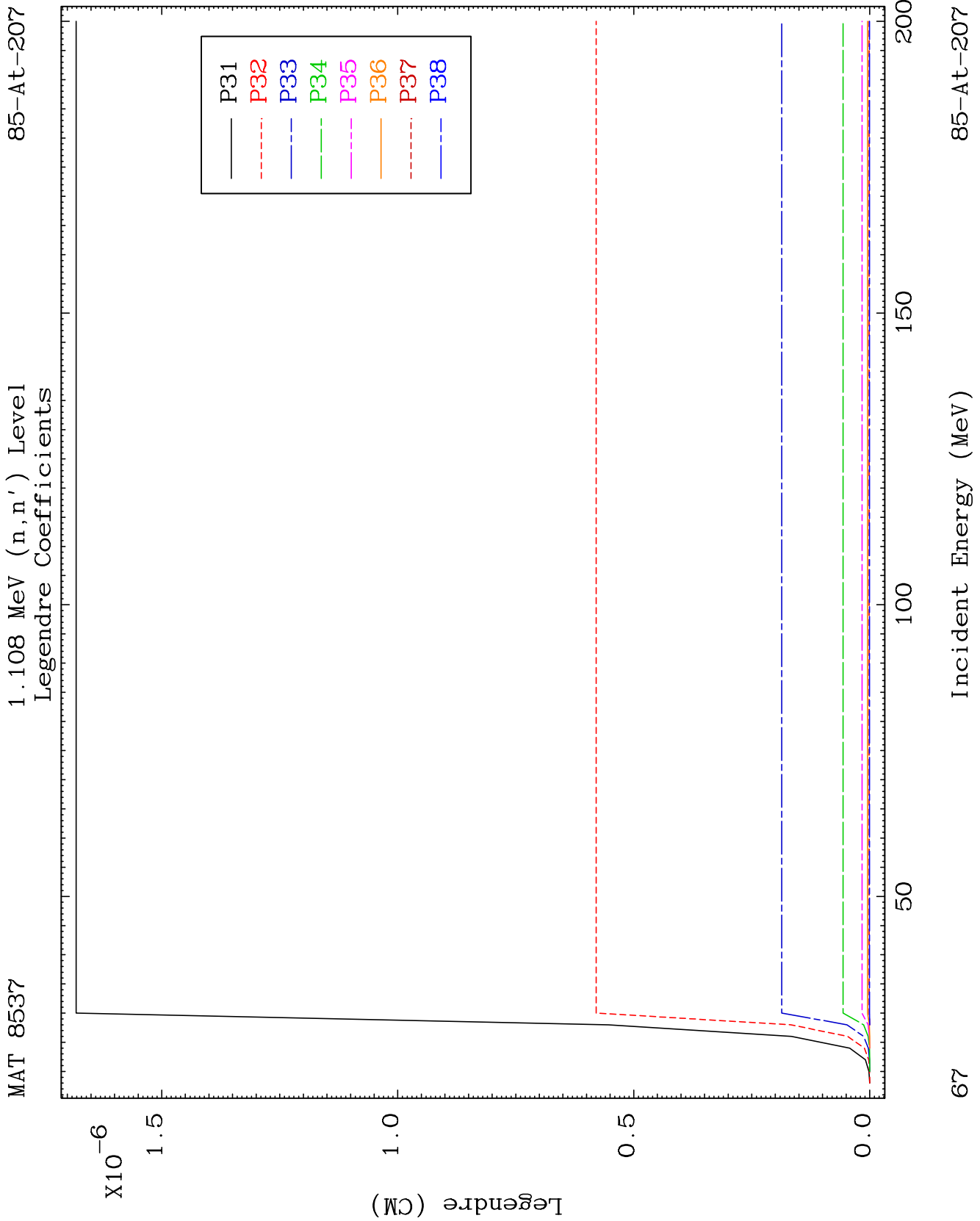


65

Incident Energy (MeV)

85-At-207

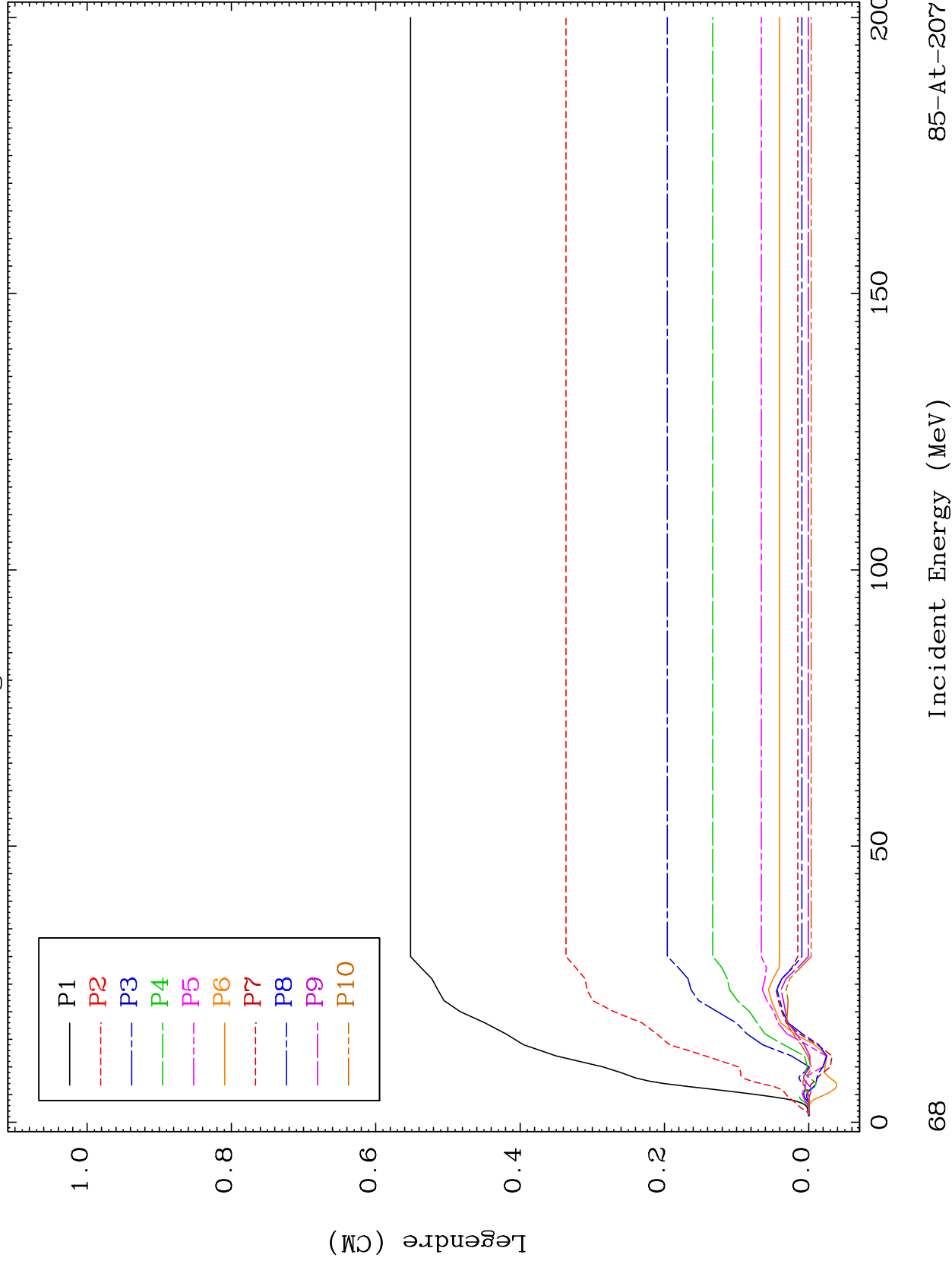




MAT 8537

1.115 MeV (n,n') Level
Legendre Coefficients

85-At-207

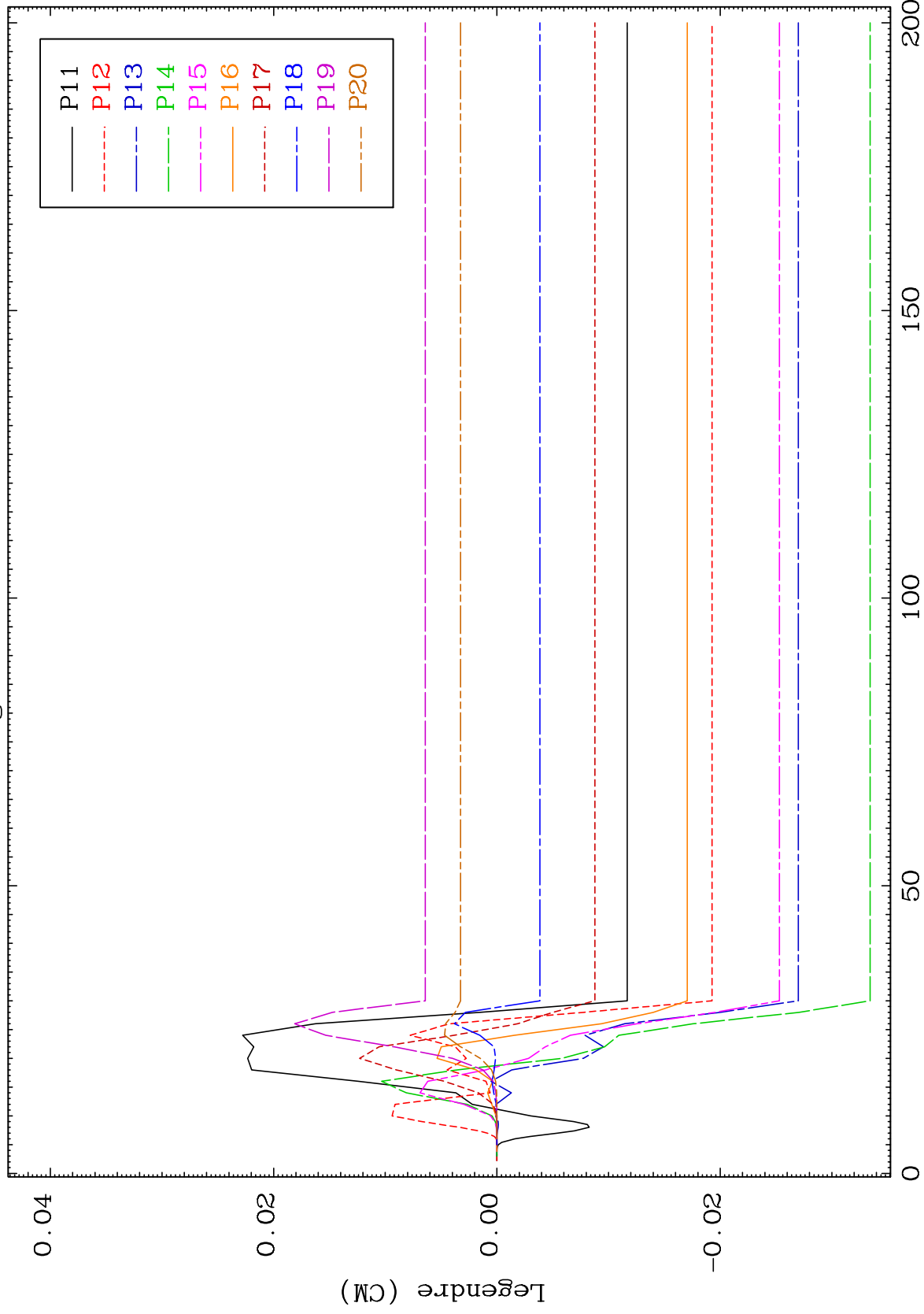


68

MAT 8537

1.115 MeV (n,n') Level
Legendre Coefficients

85-At-207



69

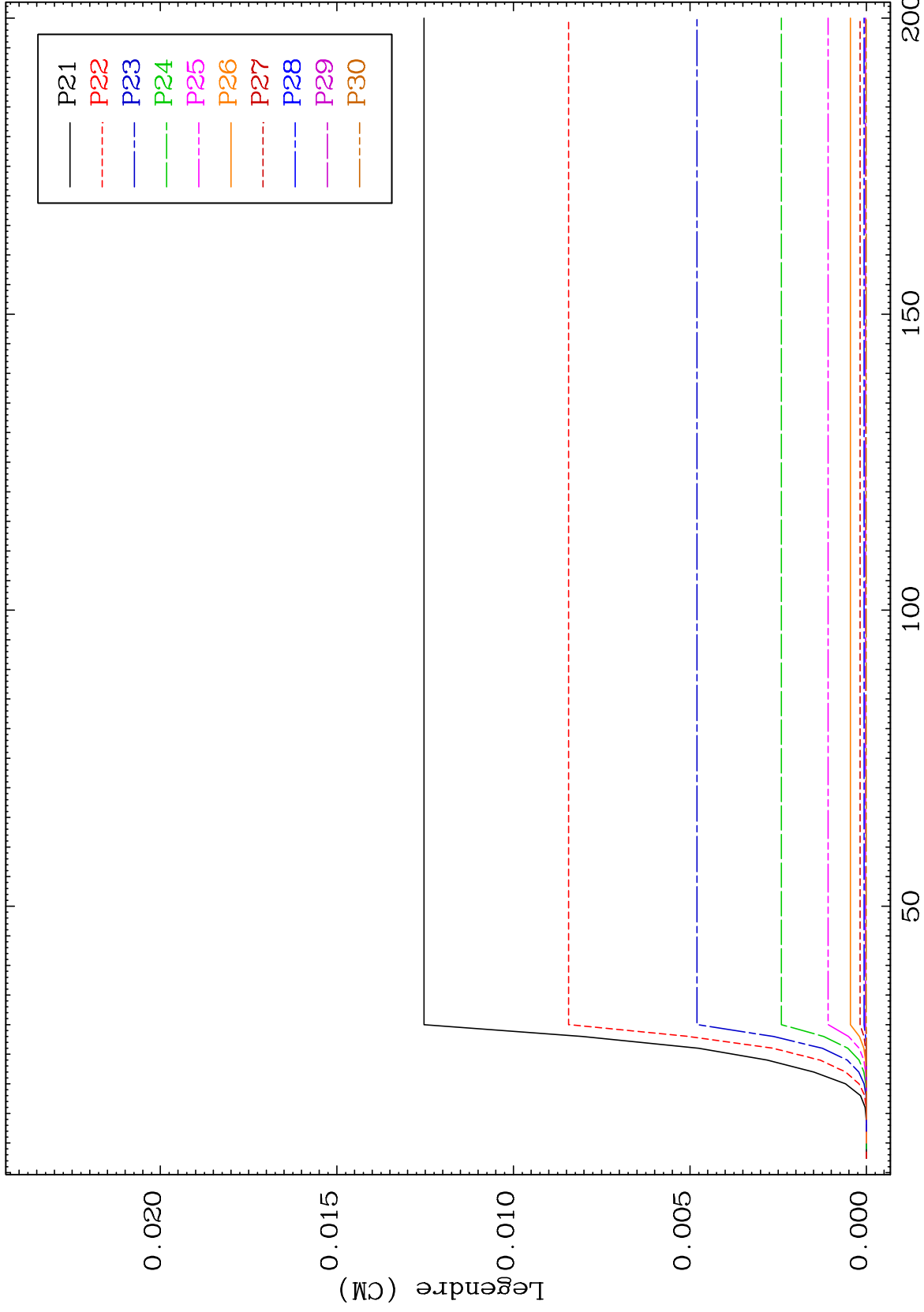
Incident Energy (MeV)

85-At-207

MAT 8537

1.115 MeV (n,n') Level
Legendre Coefficients

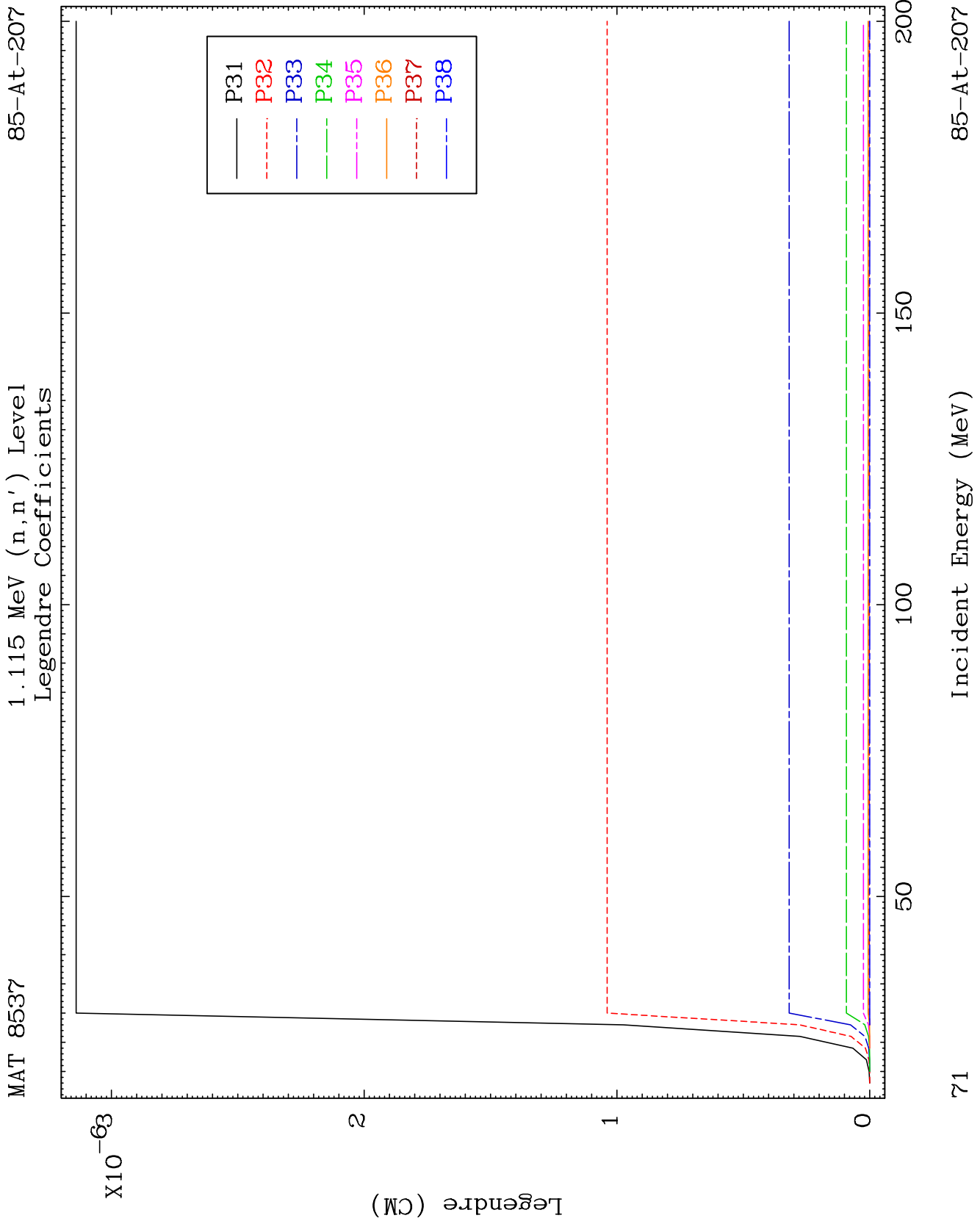
85-At-207

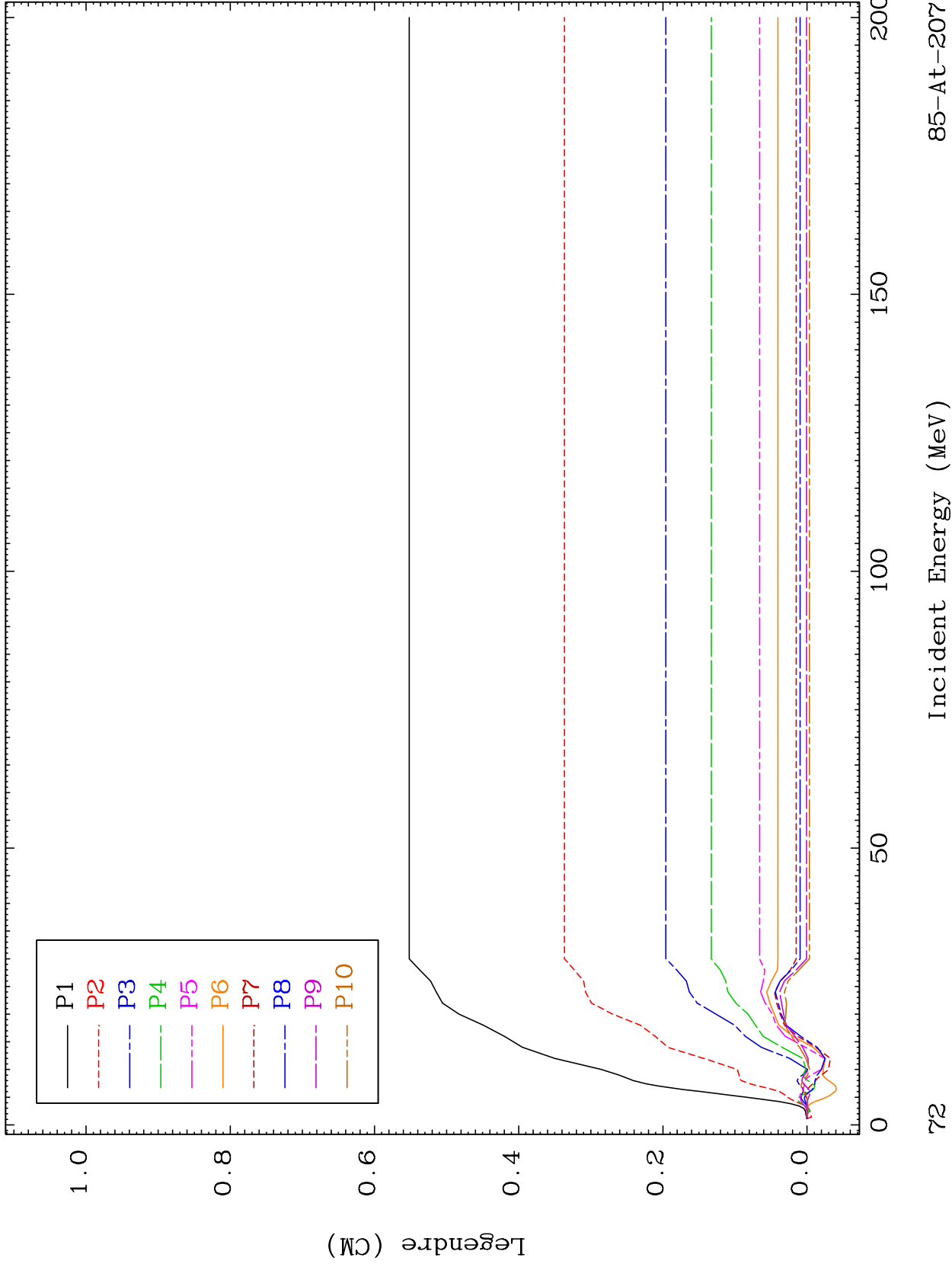


70

Incident Energy (MeV)

85-At-207

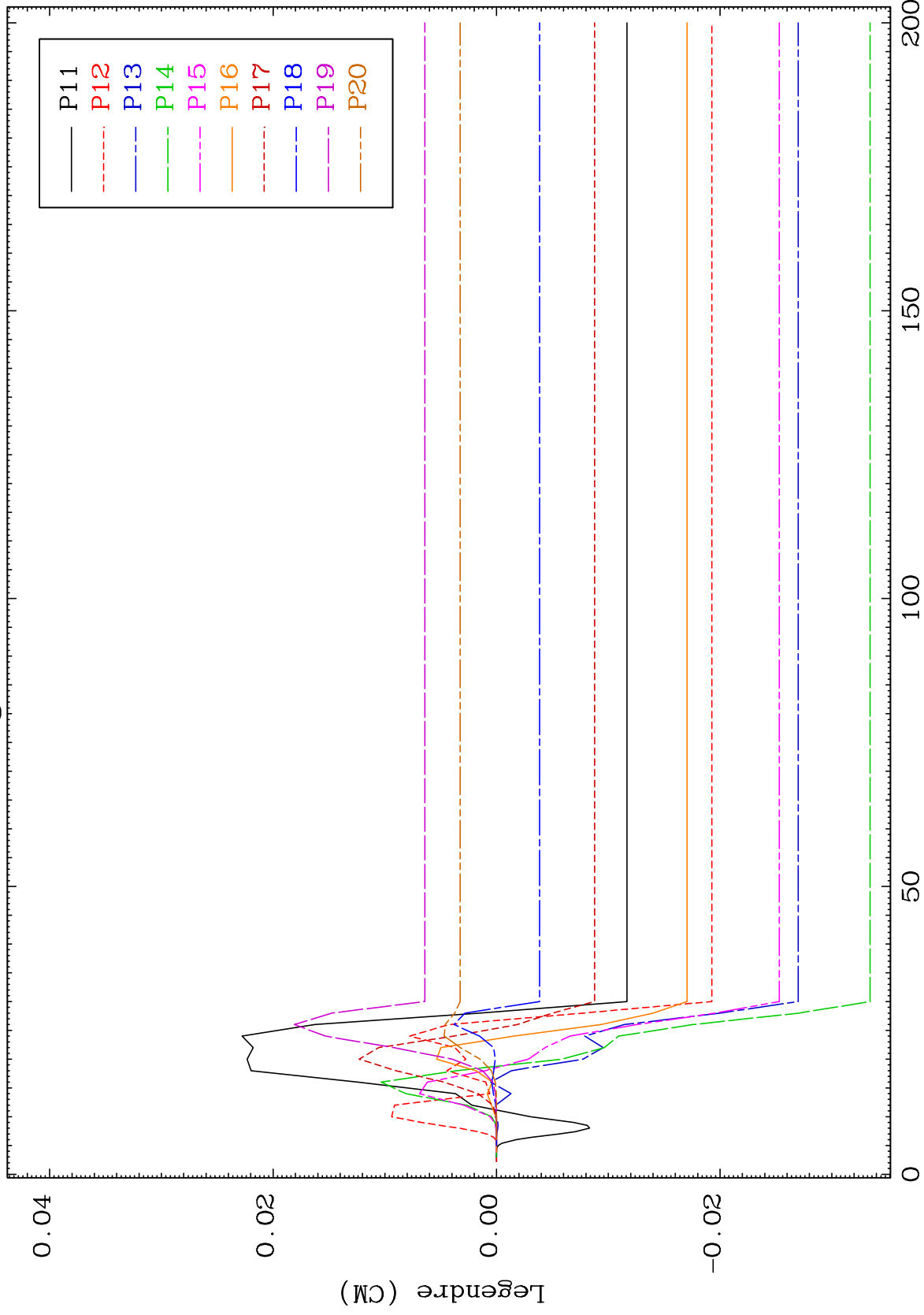




MAT 8537

1.116 MeV (n,n') Level
Legendre Coefficients

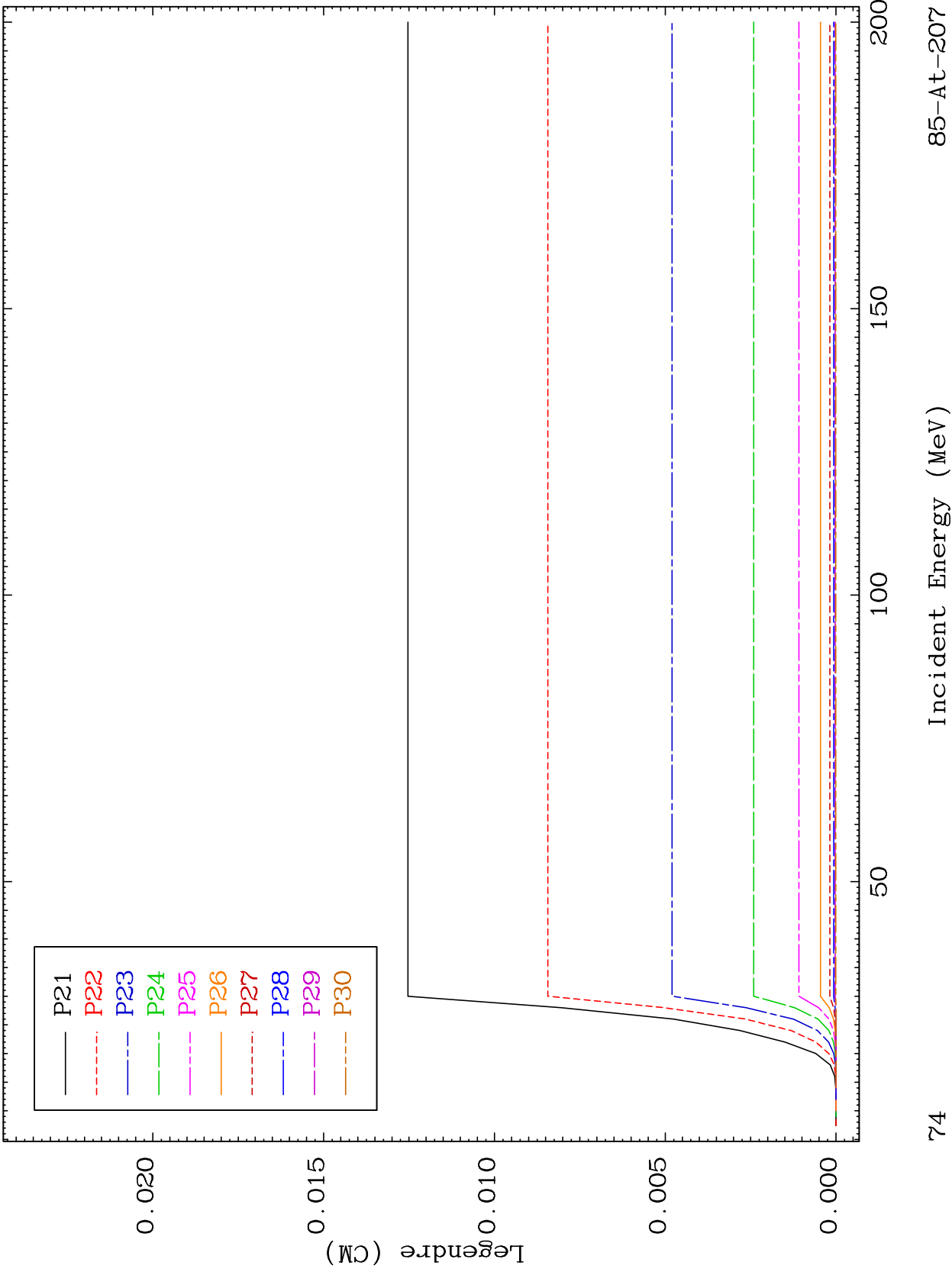
85-At-207



73

Incident Energy (MeV)

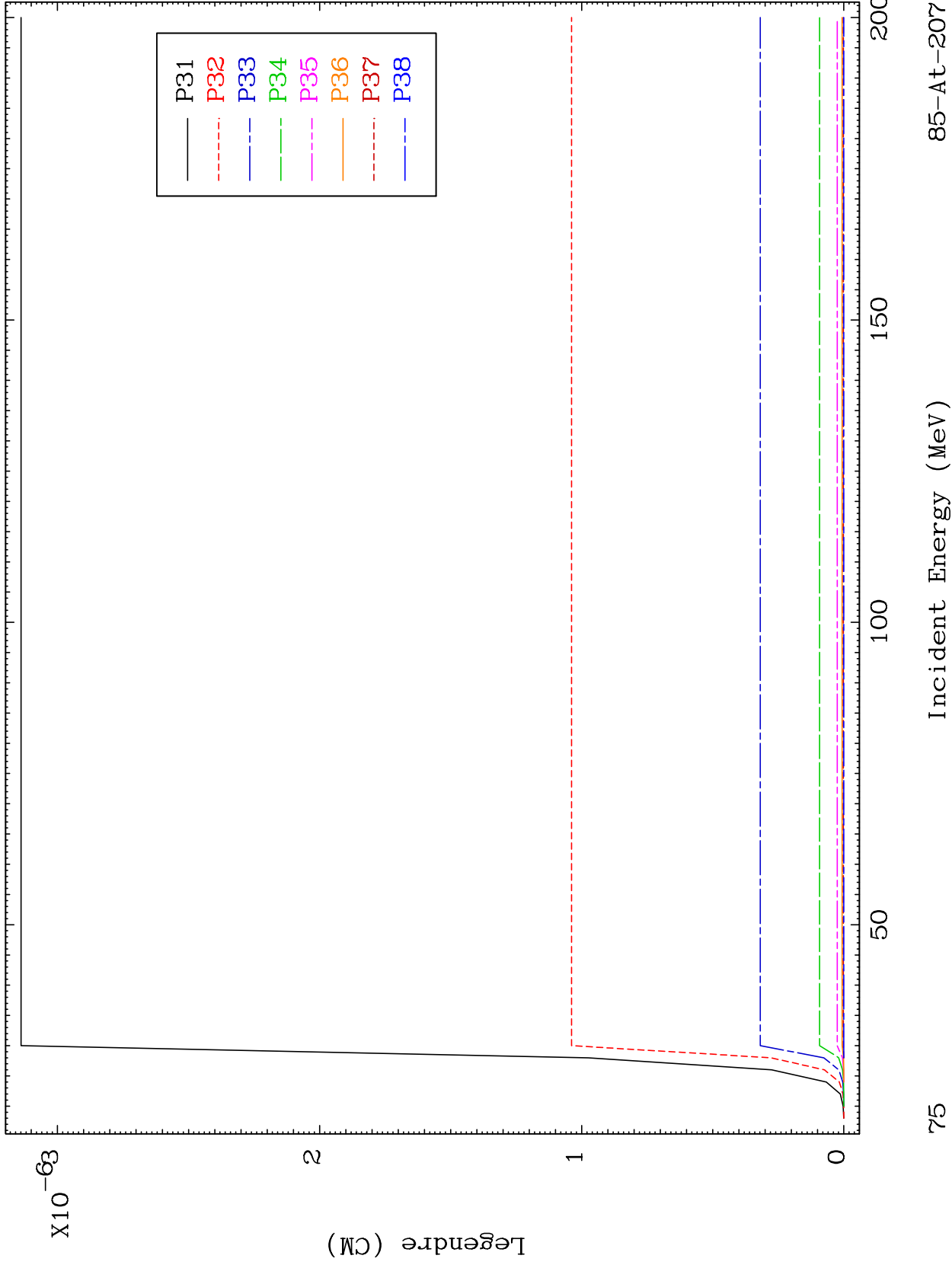
85-At-207



MAT 8537

1.116 MeV (n,n') Level
Legendre Coefficients

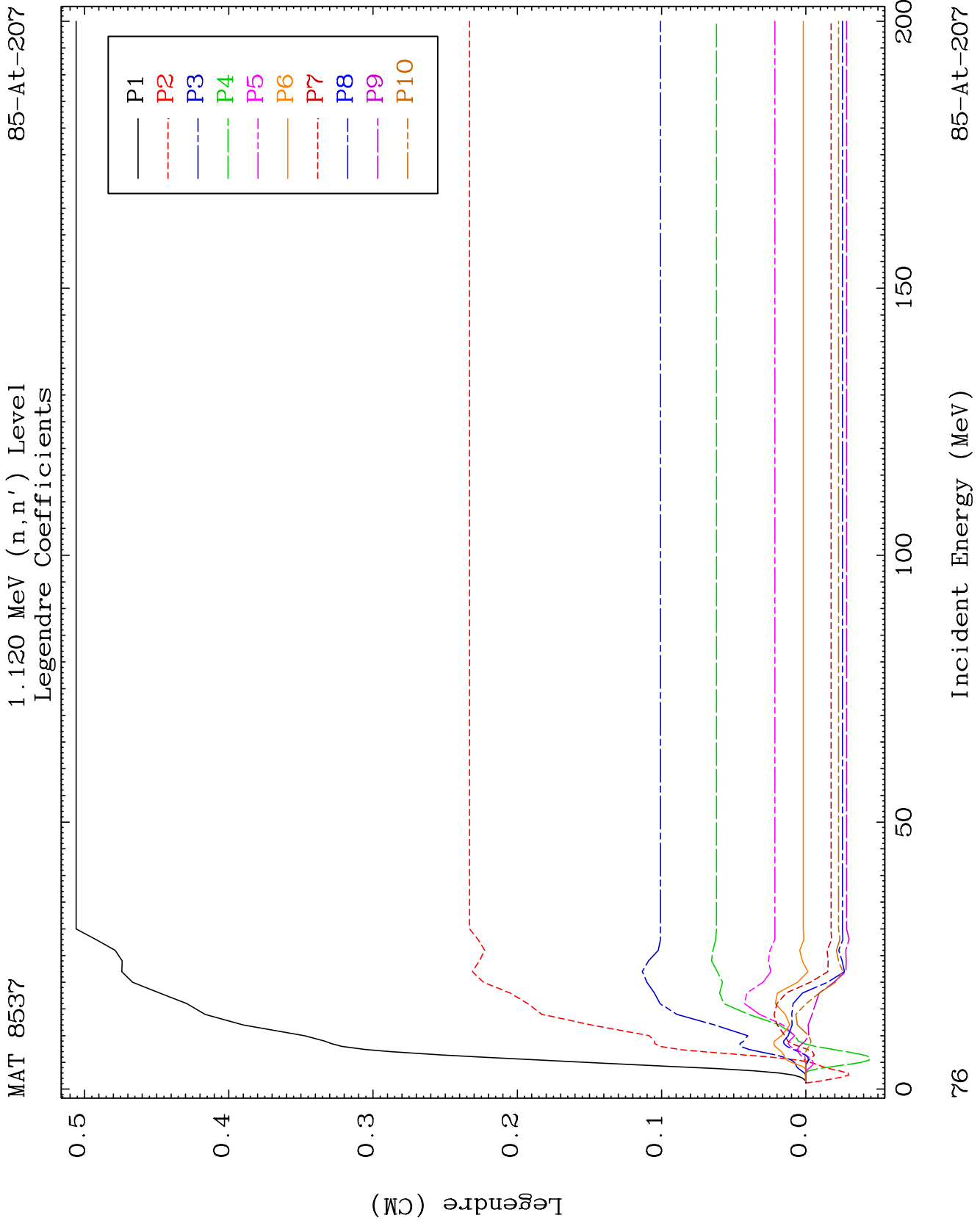
85-At-207



85-At-207

Incident Energy (MeV)

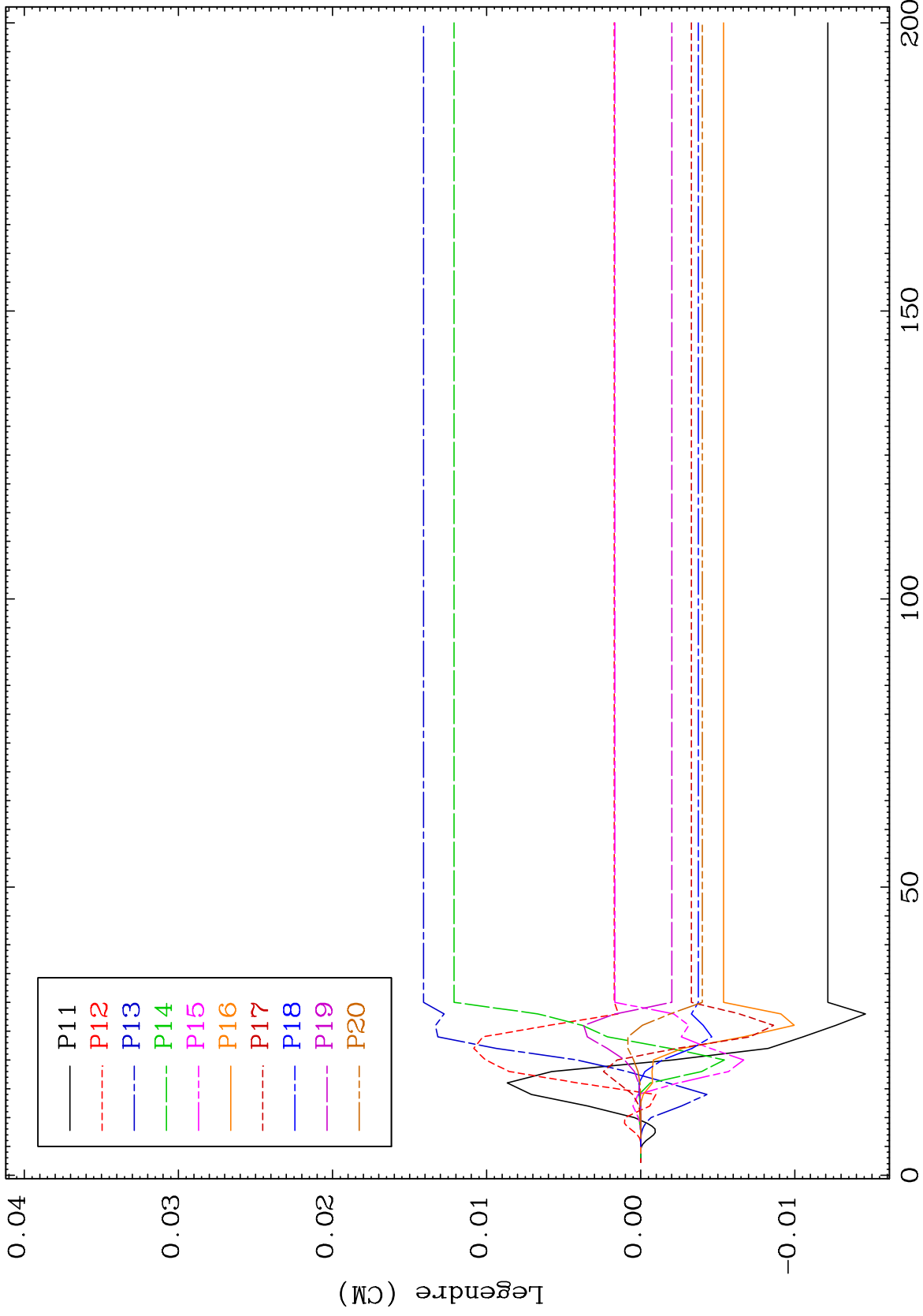
75



MAT 8537

1.120 MeV (n,n') Level
Legendre Coefficients

85-At-207



77

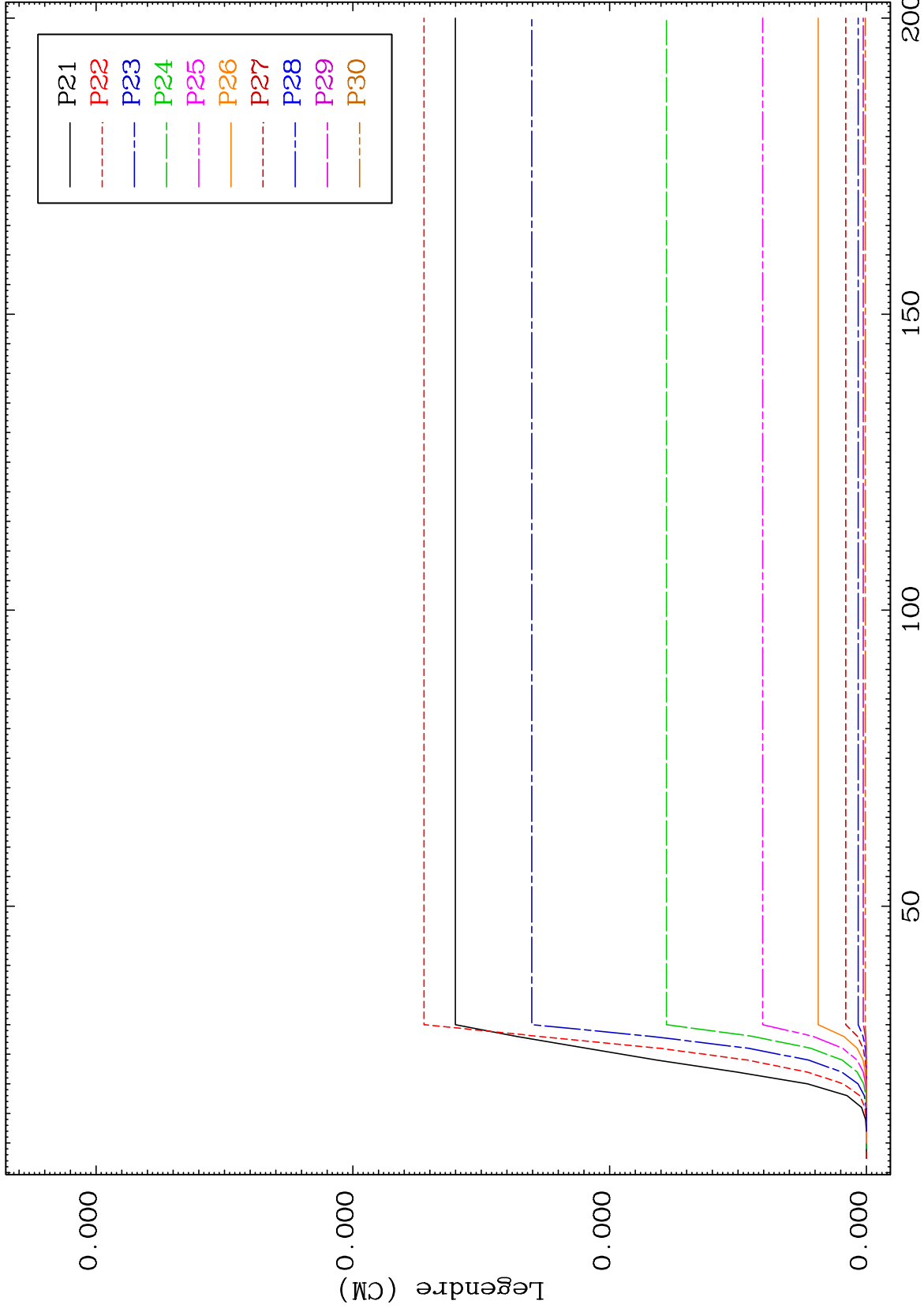
Incident Energy (MeV)

85-At-207

MAT 8537

1.120 MeV (n,n') Level
Legendre Coefficients

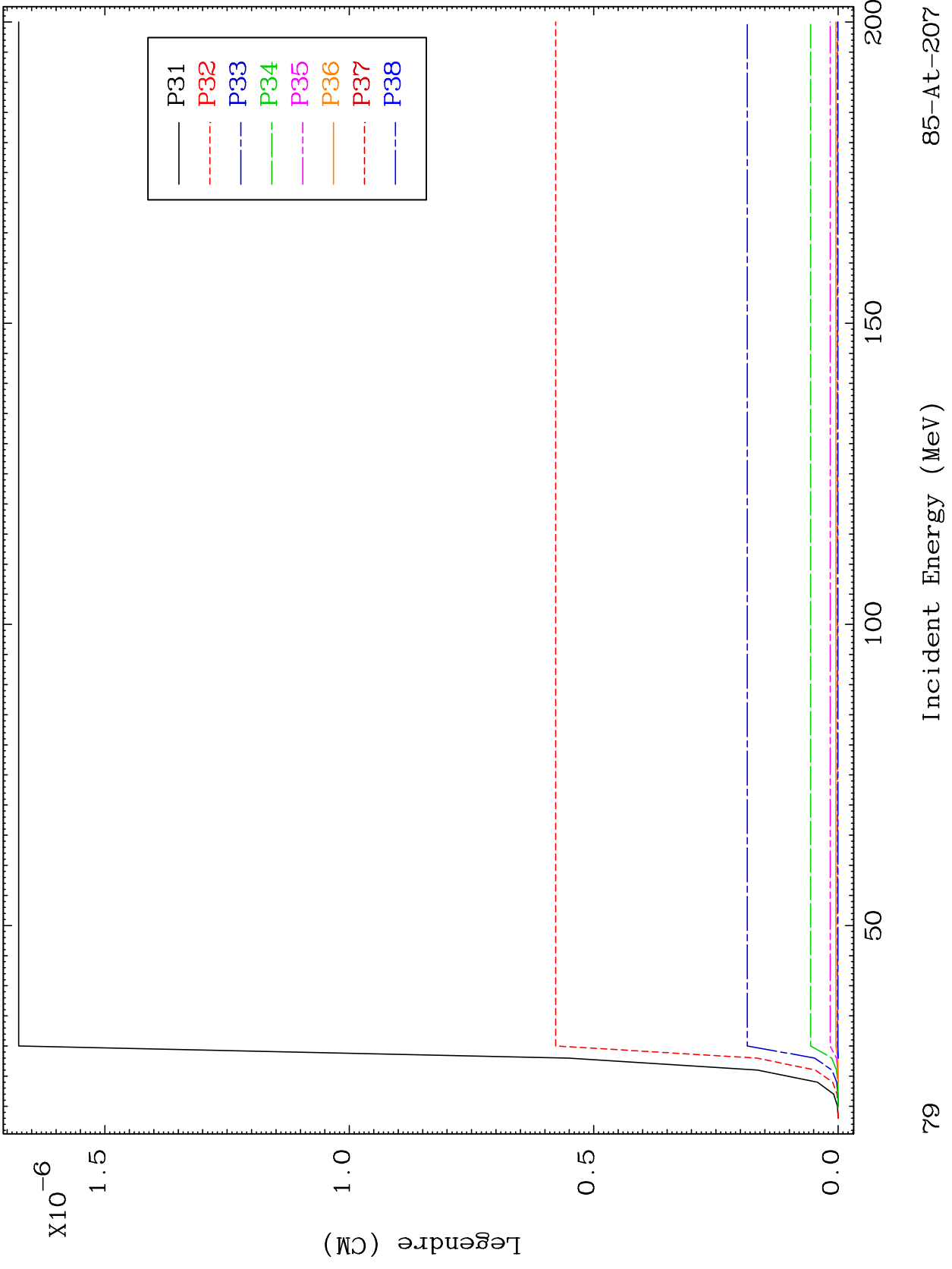
85-At-207

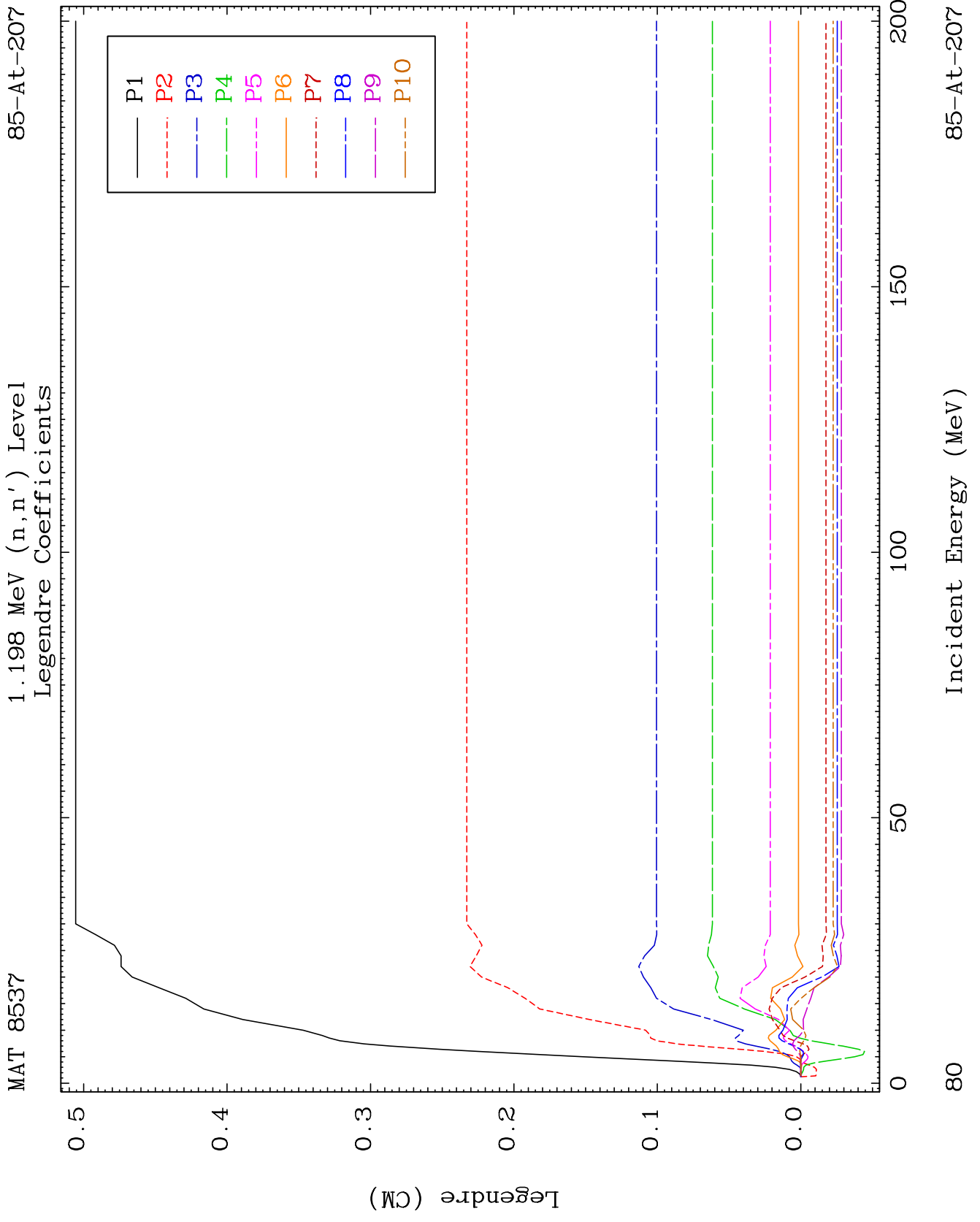


78

Incident Energy (MeV)

85-At-207

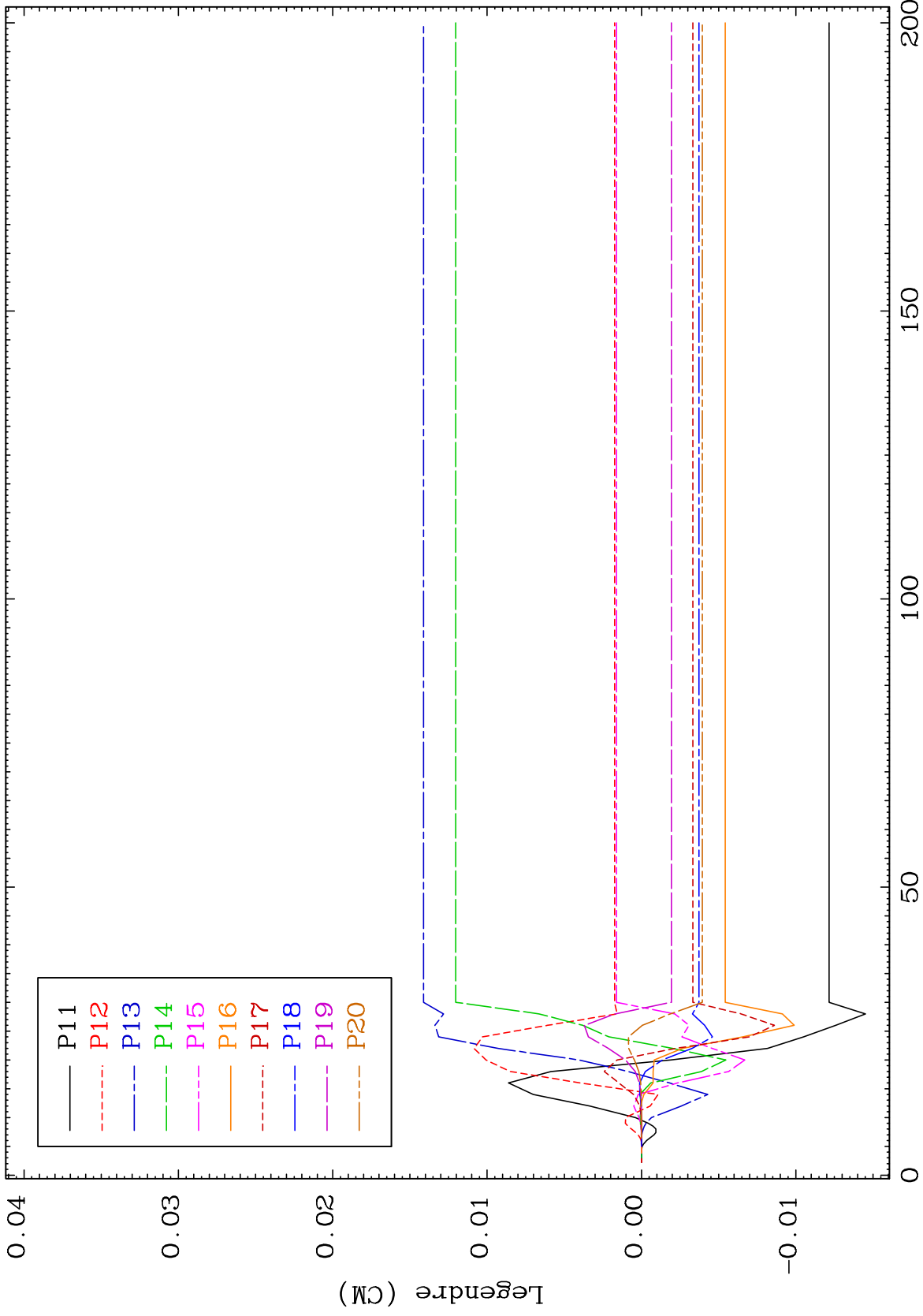




MAT 8537

1.198 MeV (n,n') Level
Legendre Coefficients

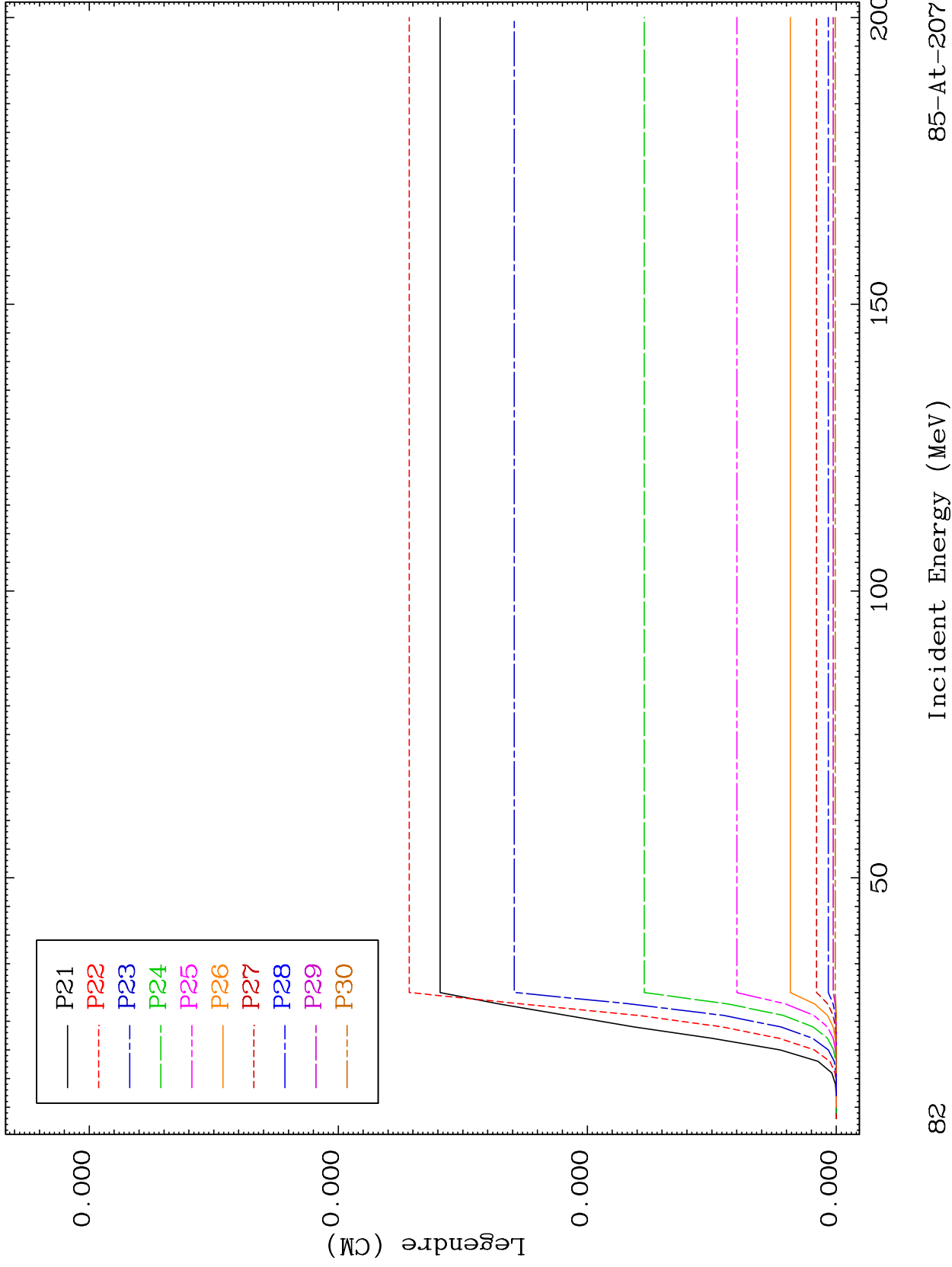
85-At-207

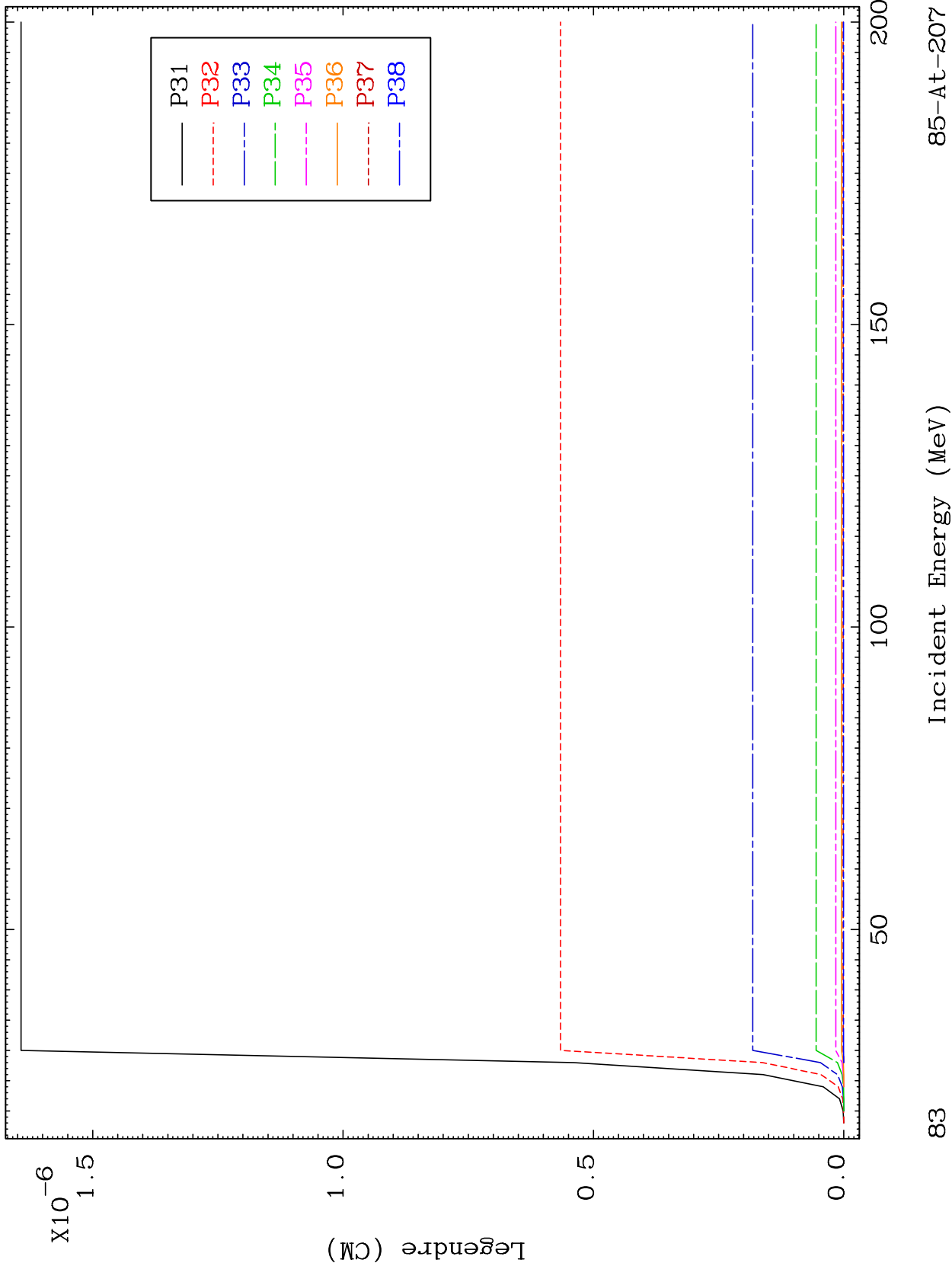


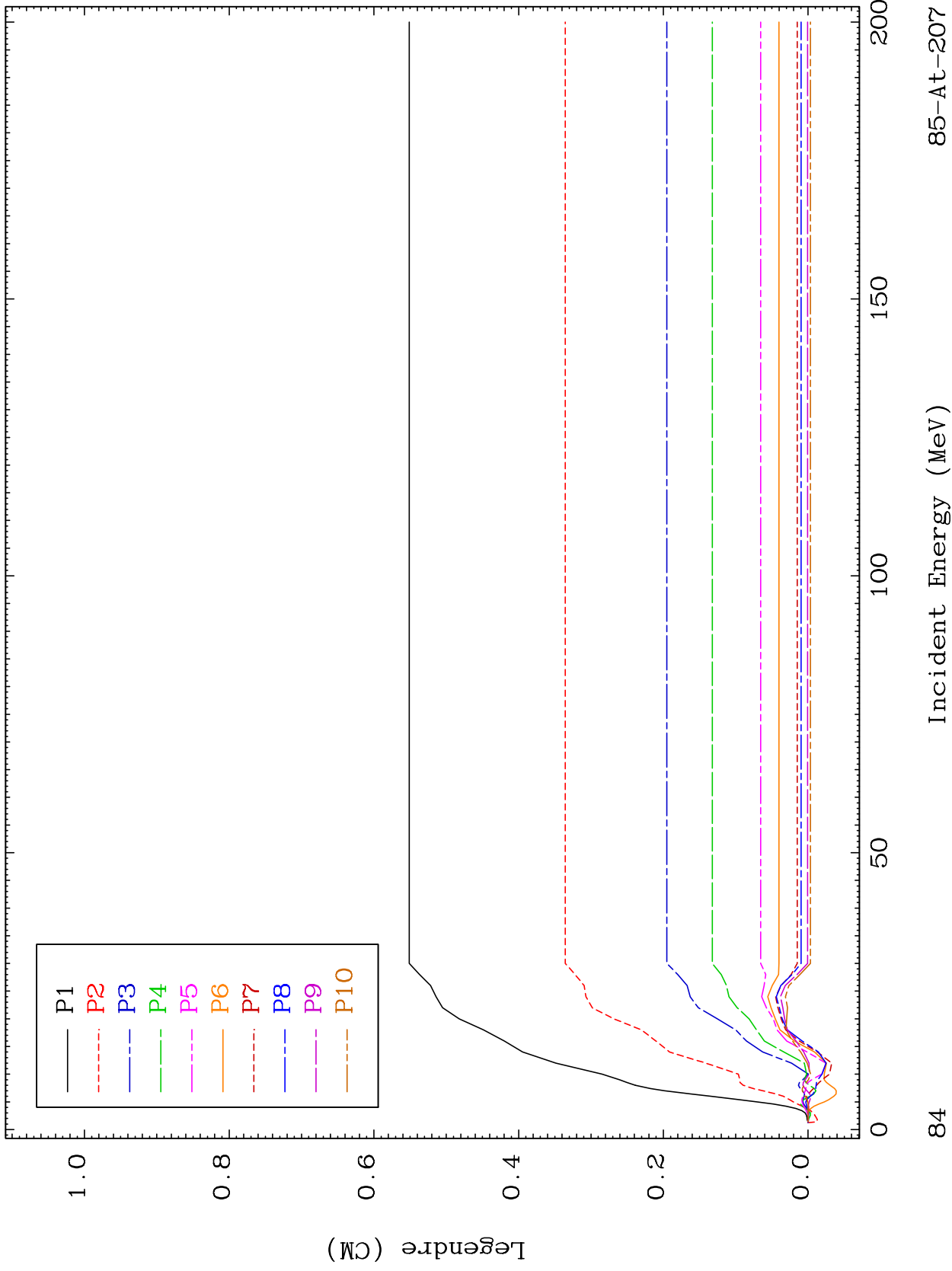
81

Incident Energy (MeV)

85-At-207



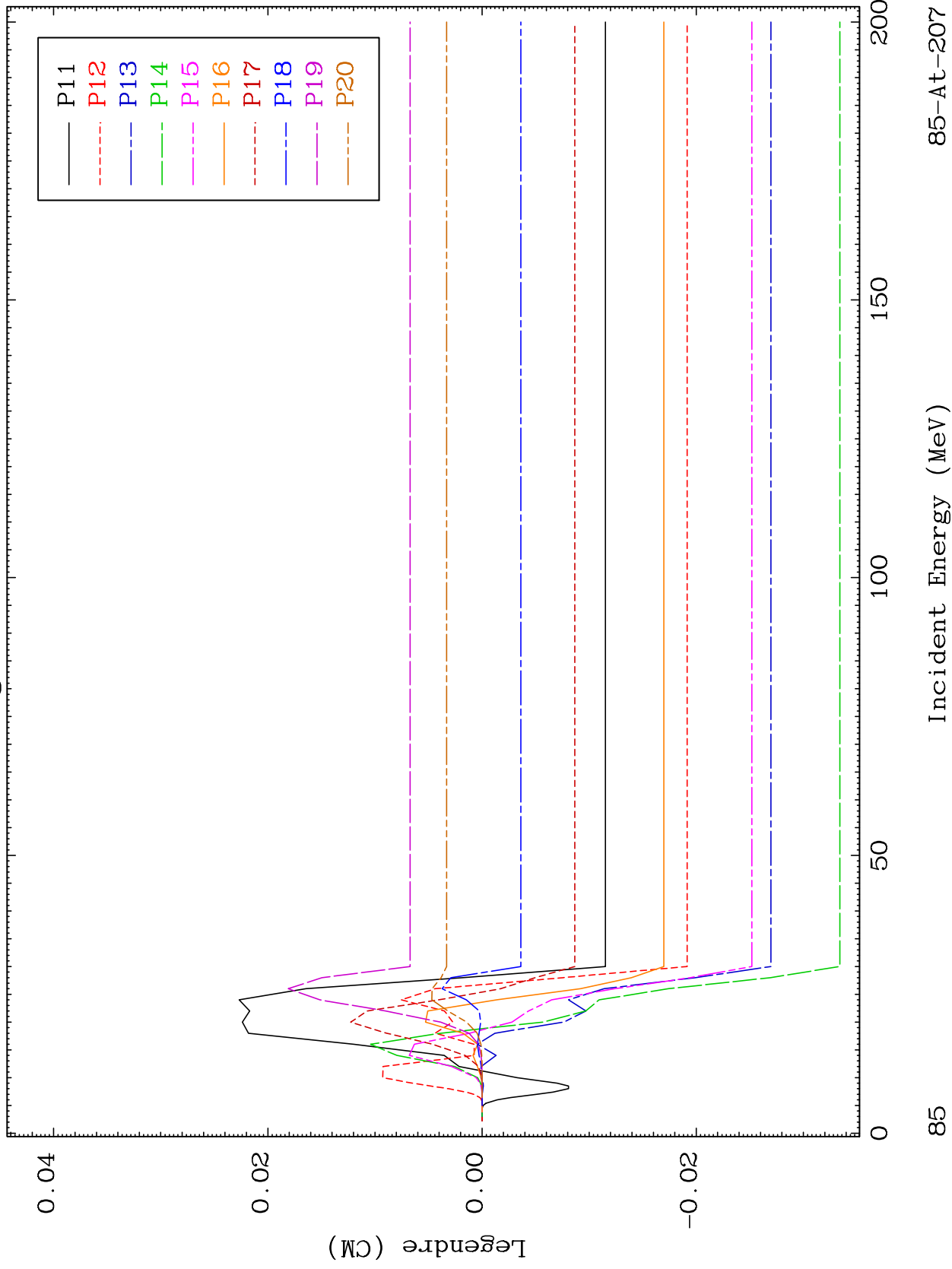




MAT 8537

1.225 MeV (n,n') Level
Legendre Coefficients

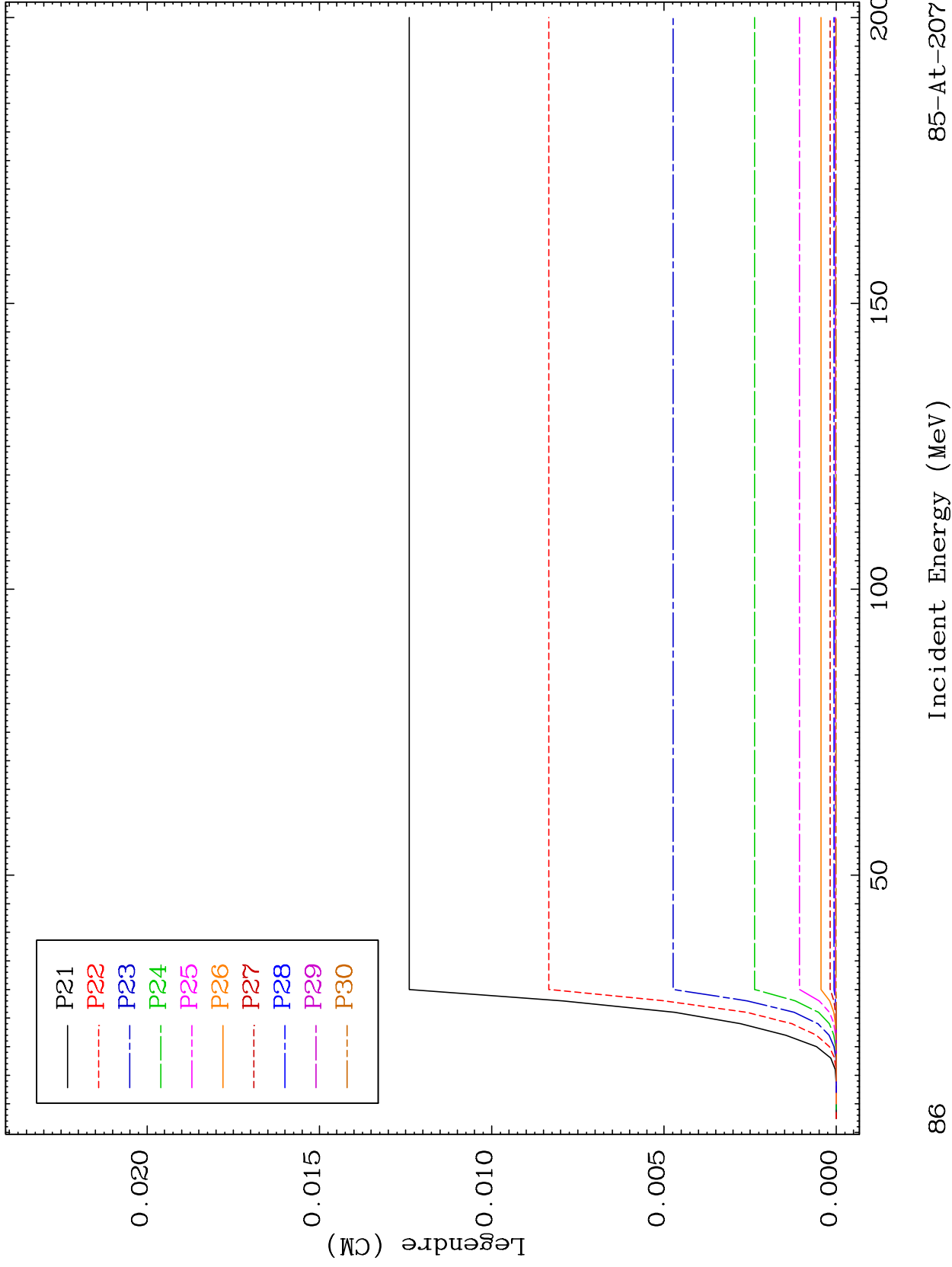
85-At-207



85

Incident Energy (MeV)

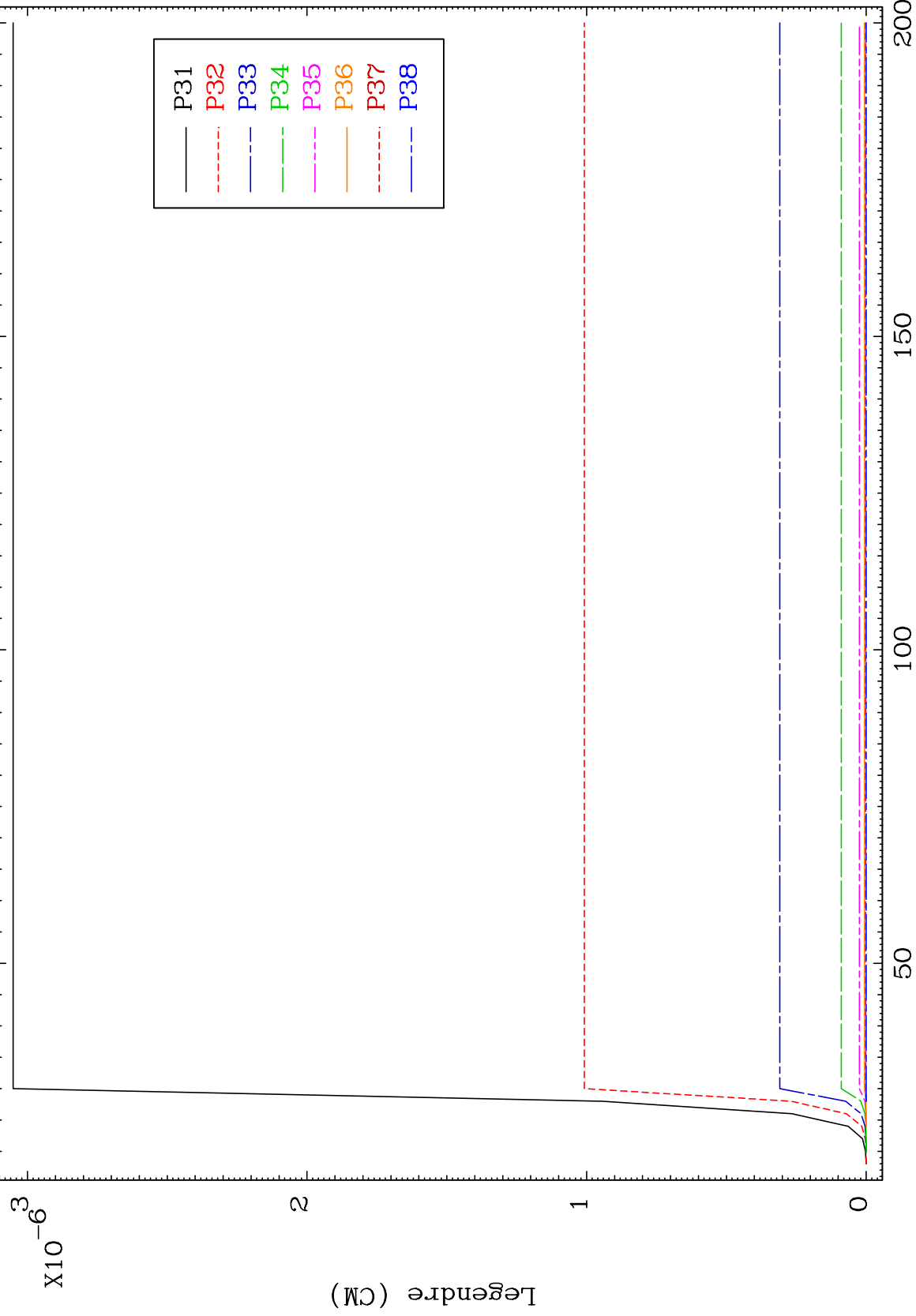
85-At-207



MAT 8537

1.225 MeV (n,n') Level
Legendre Coefficients

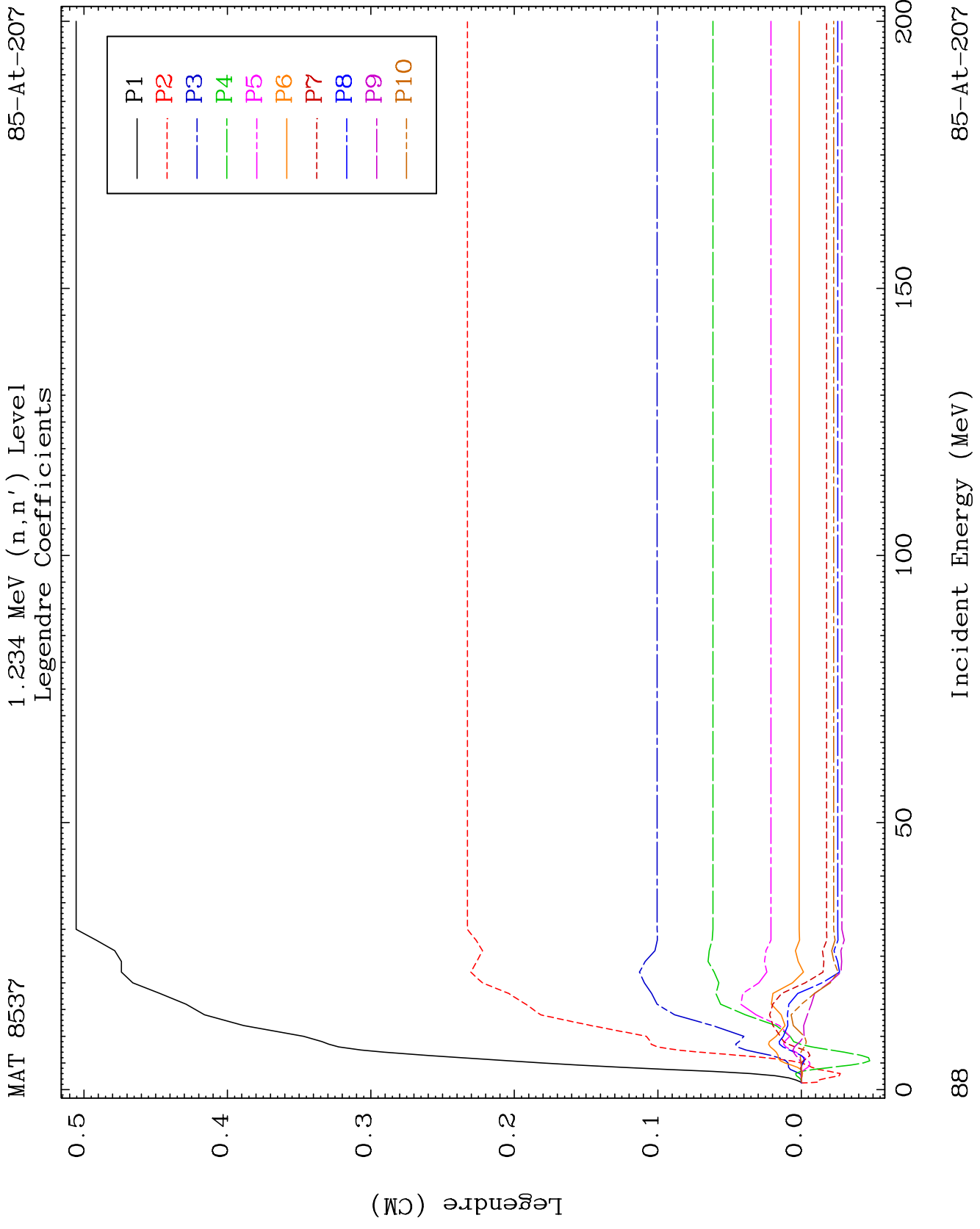
85-At-207

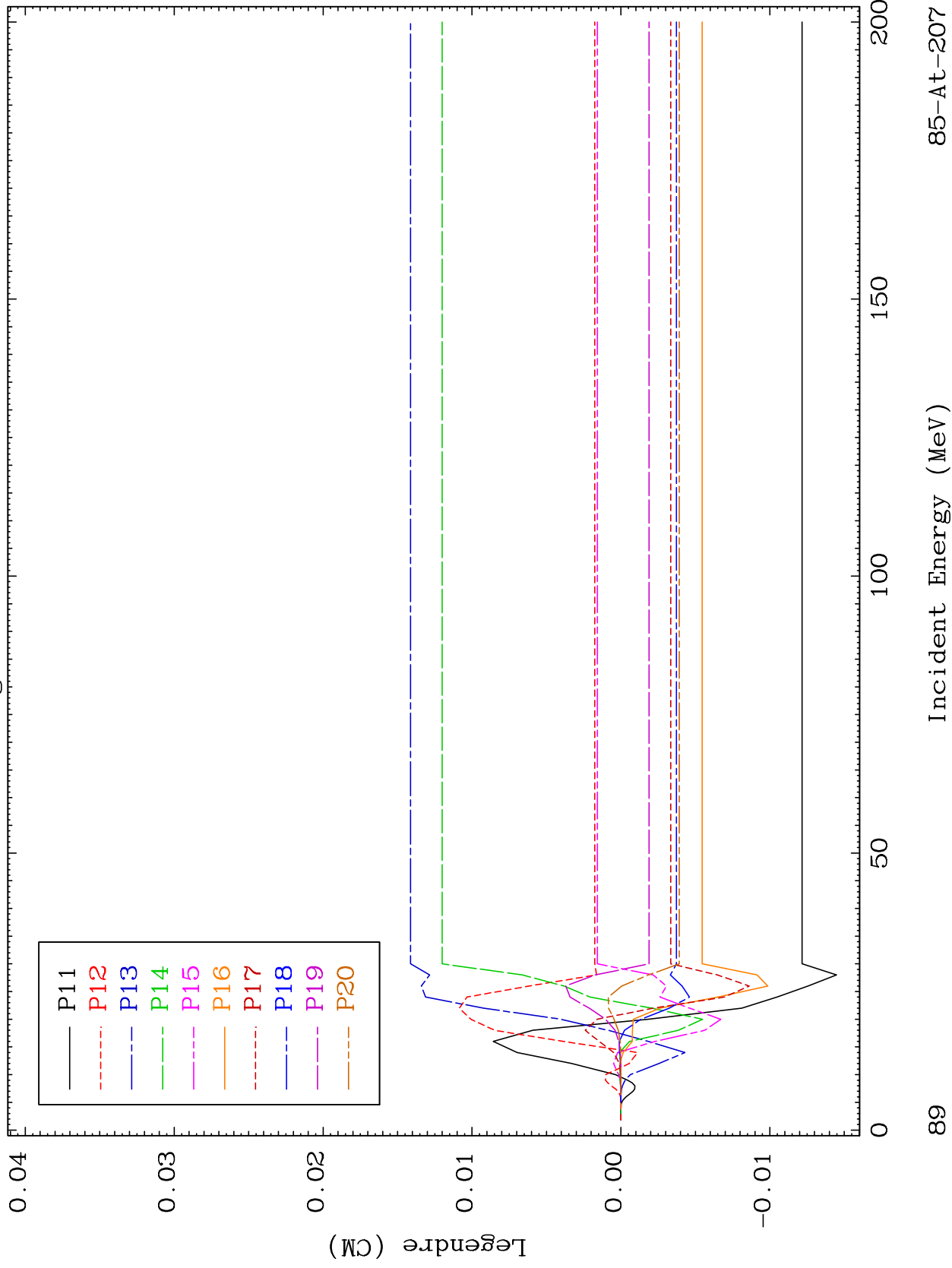


87

Incident Energy (MeV)

85-At-207

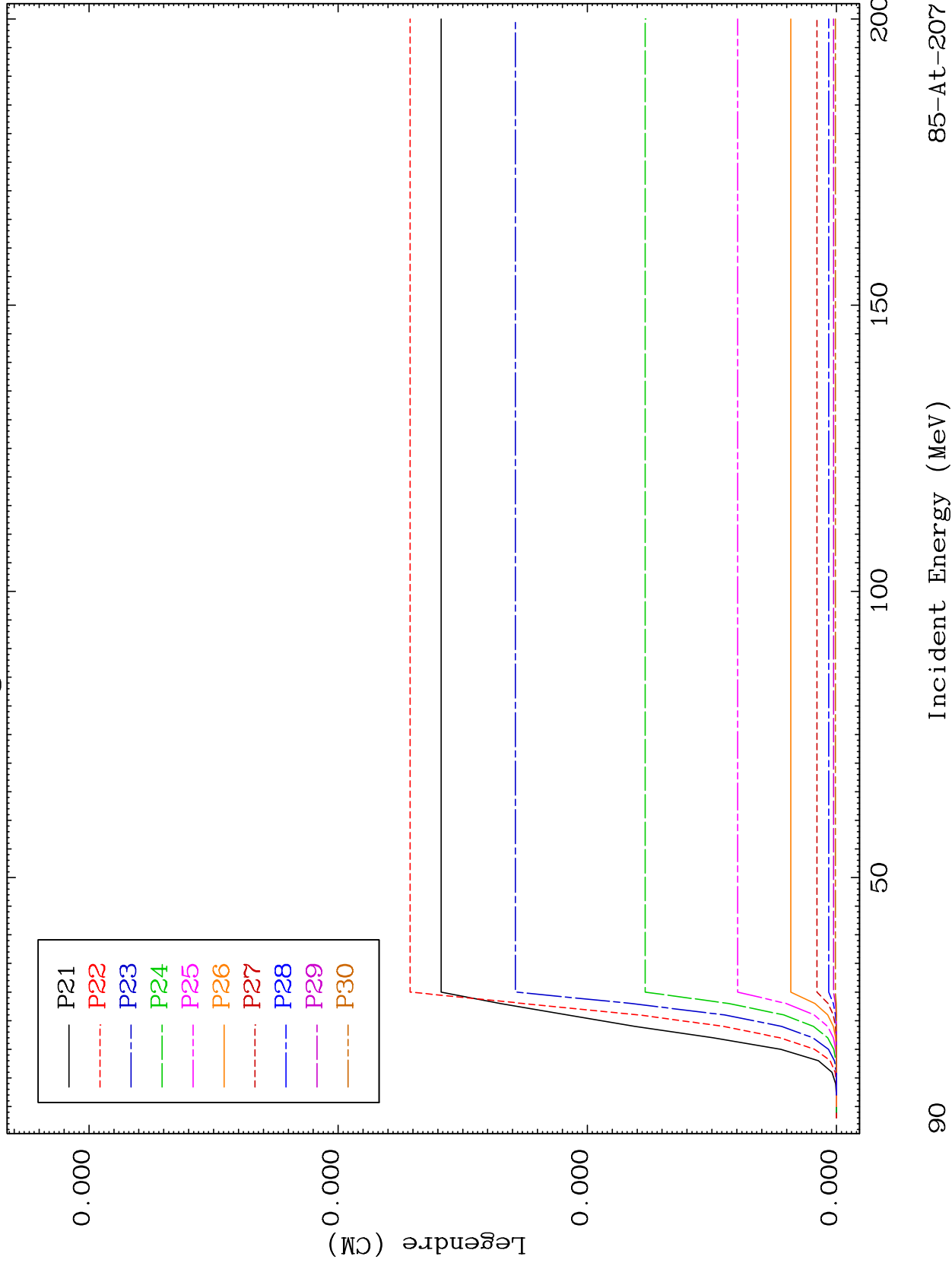




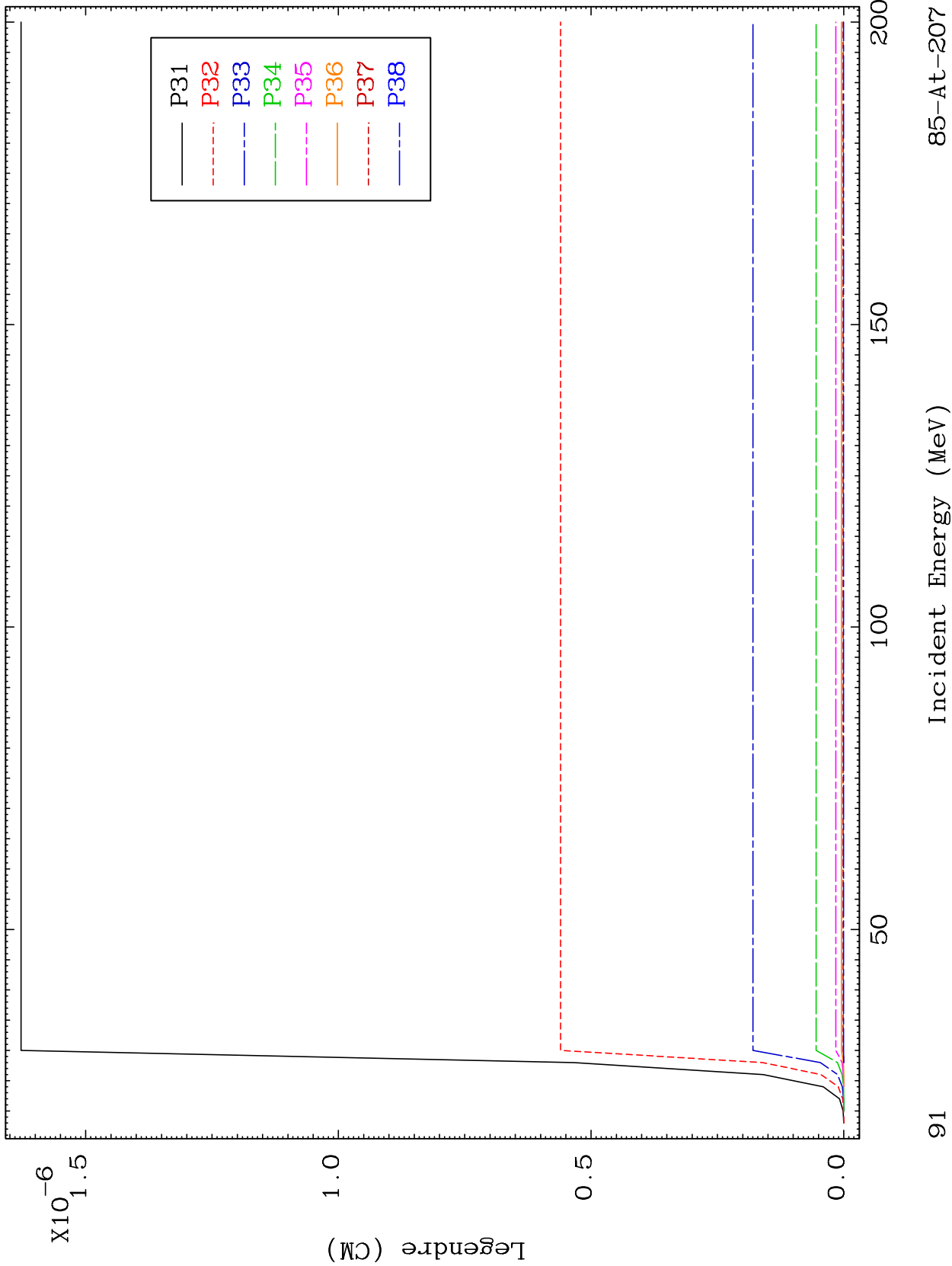
MAT 8537

1.234 MeV (n,n') Level
Legendre Coefficients

85-At-207



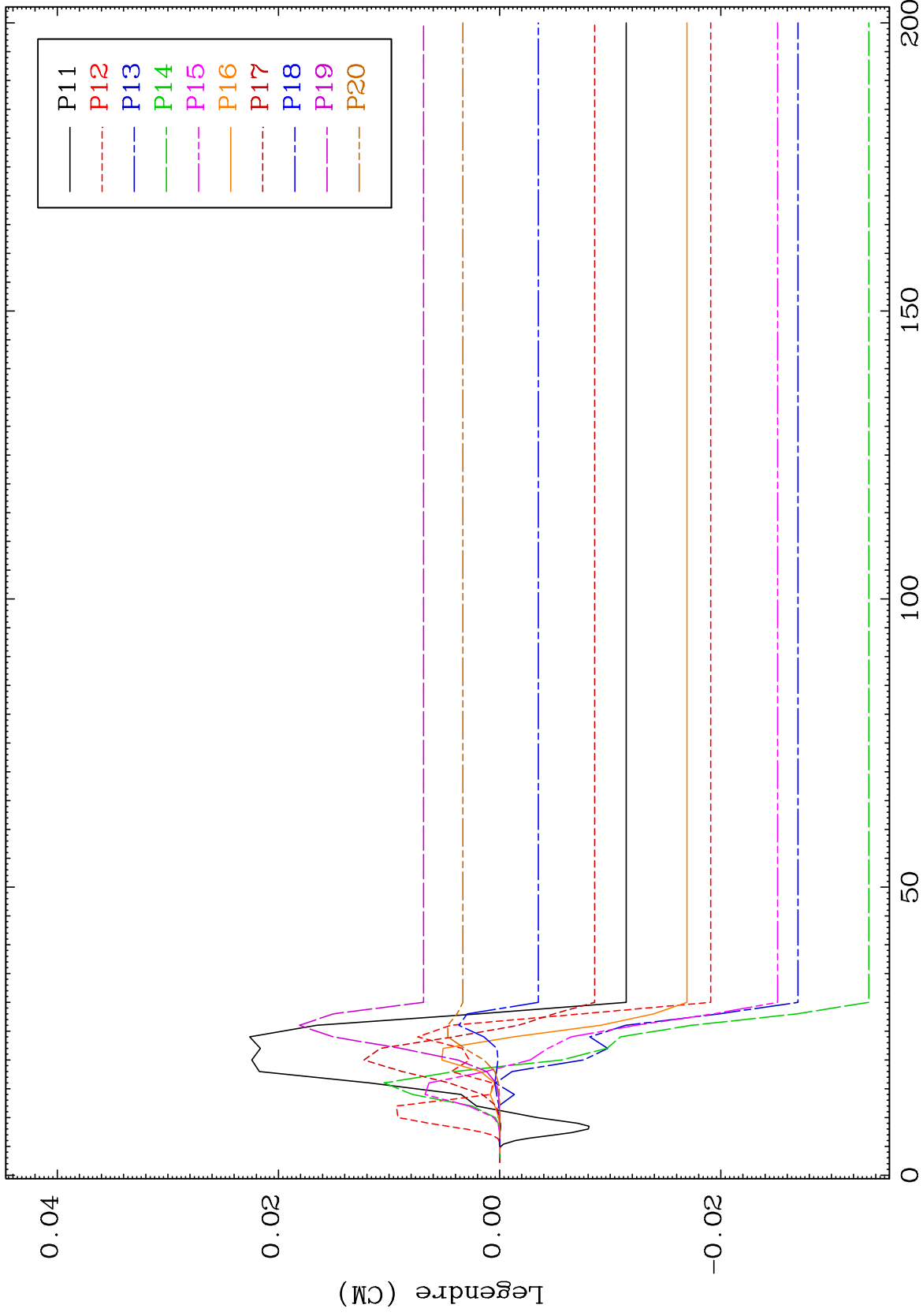
90



MAT 8537

1.284 MeV (n,n') Level Legendre Coefficients

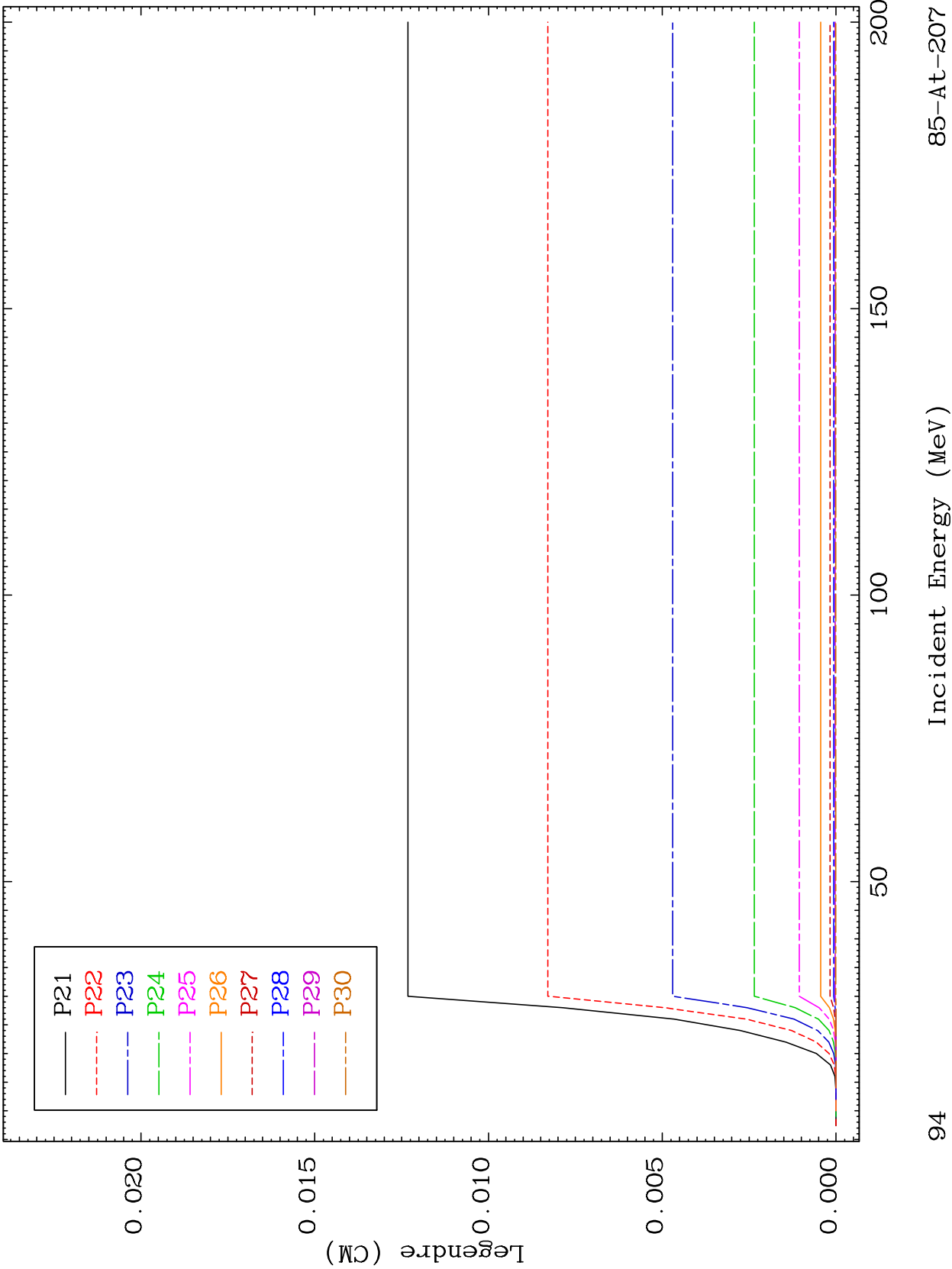
85-At-207



93

Incident Energy (MeV)

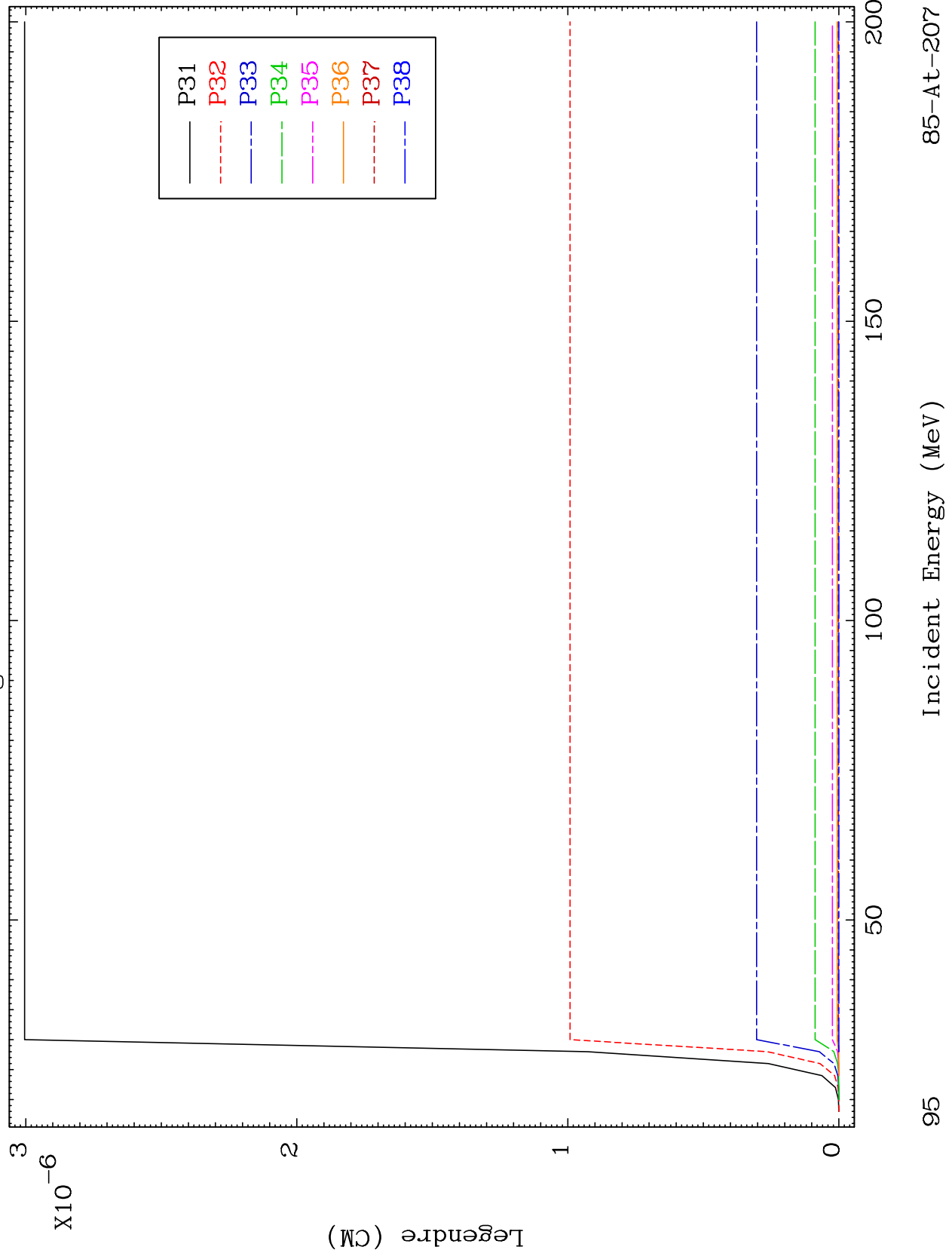
85-At-207



MAT 8537

1.284 MeV (n,n') Level
Legendre Coefficients

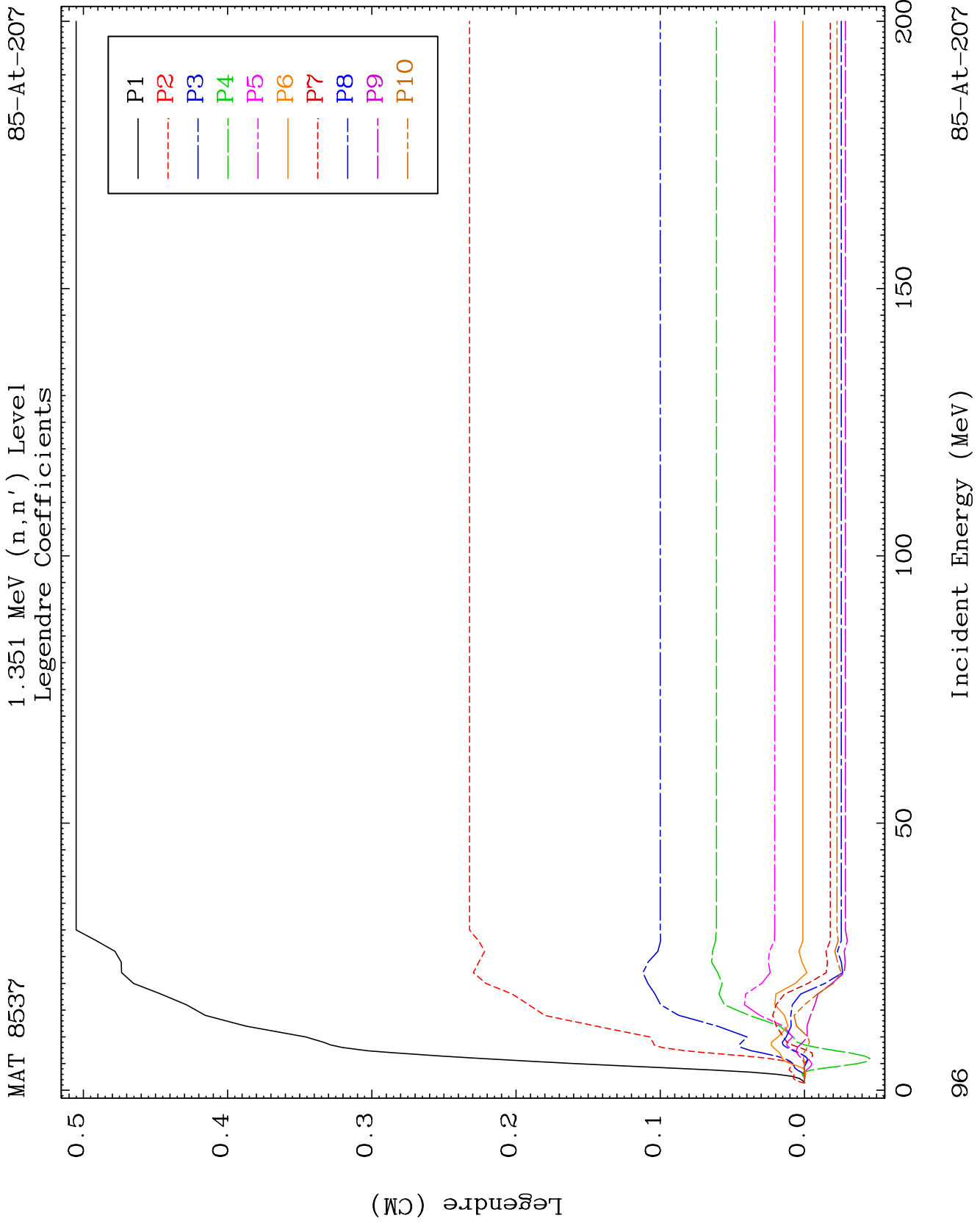
85-At-207



95

Incident Energy (MeV)

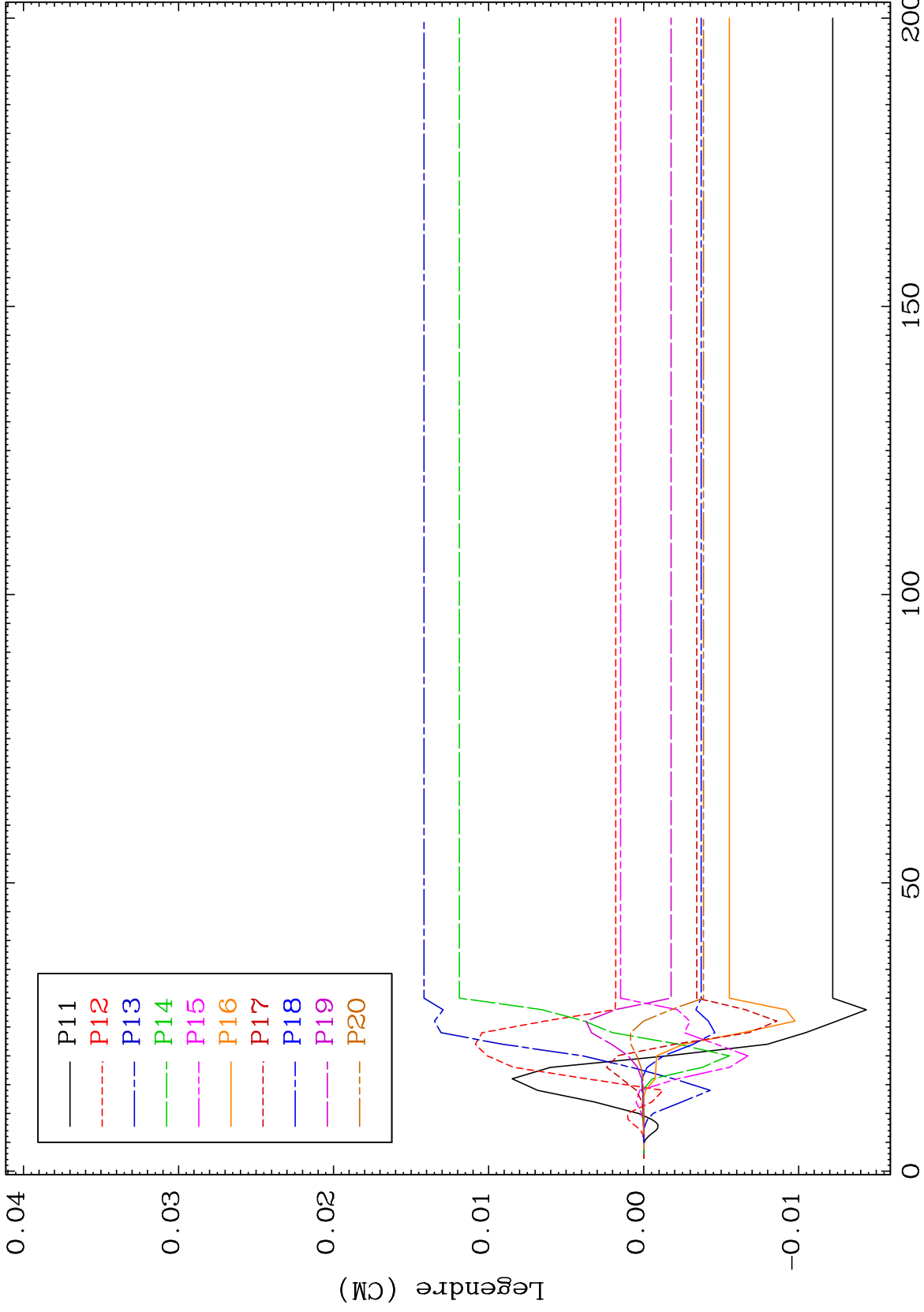
85-At-207



MAT 8537

1.351 MeV (n,n') Level
Legendre Coefficients

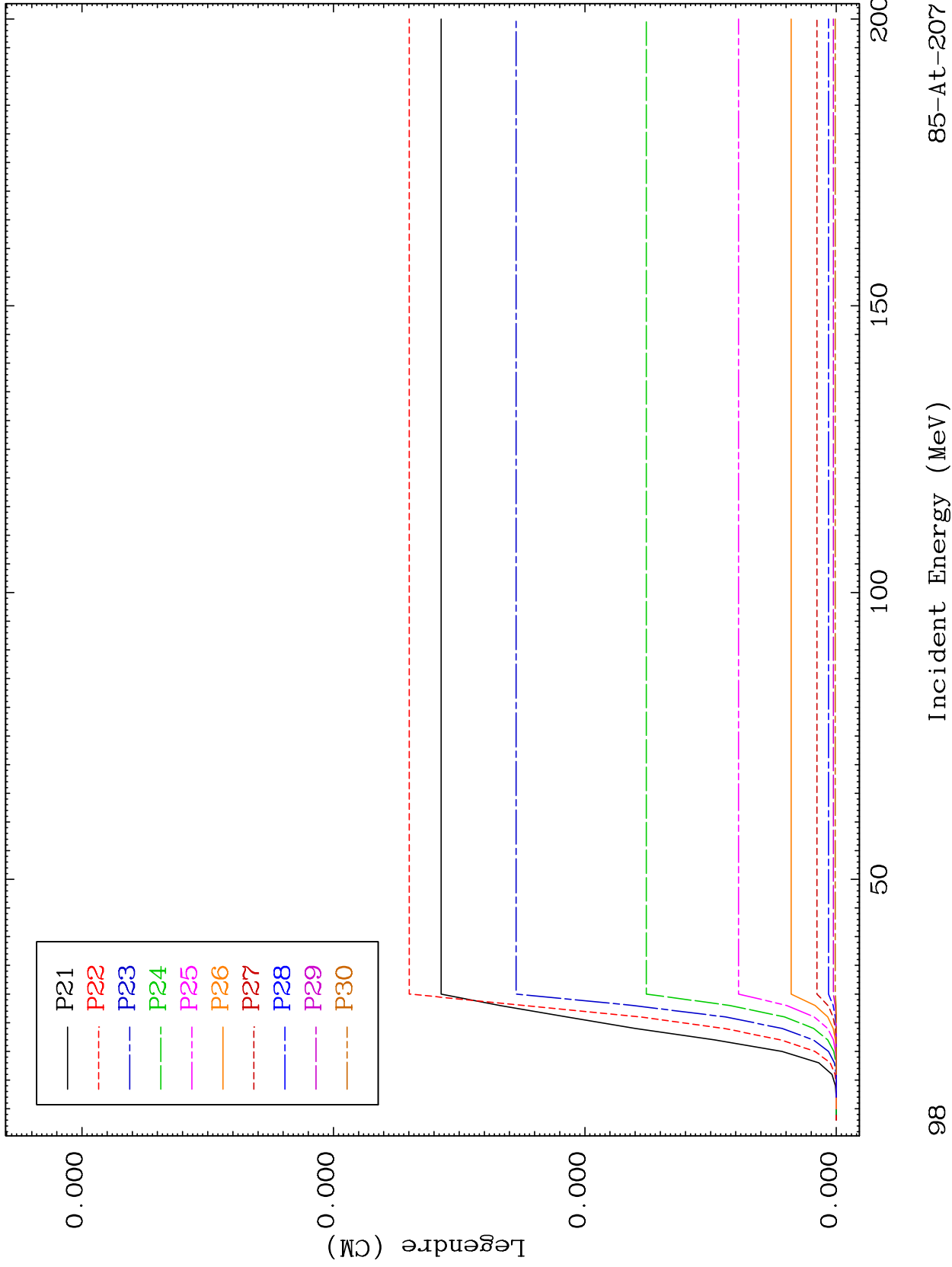
85-At-207

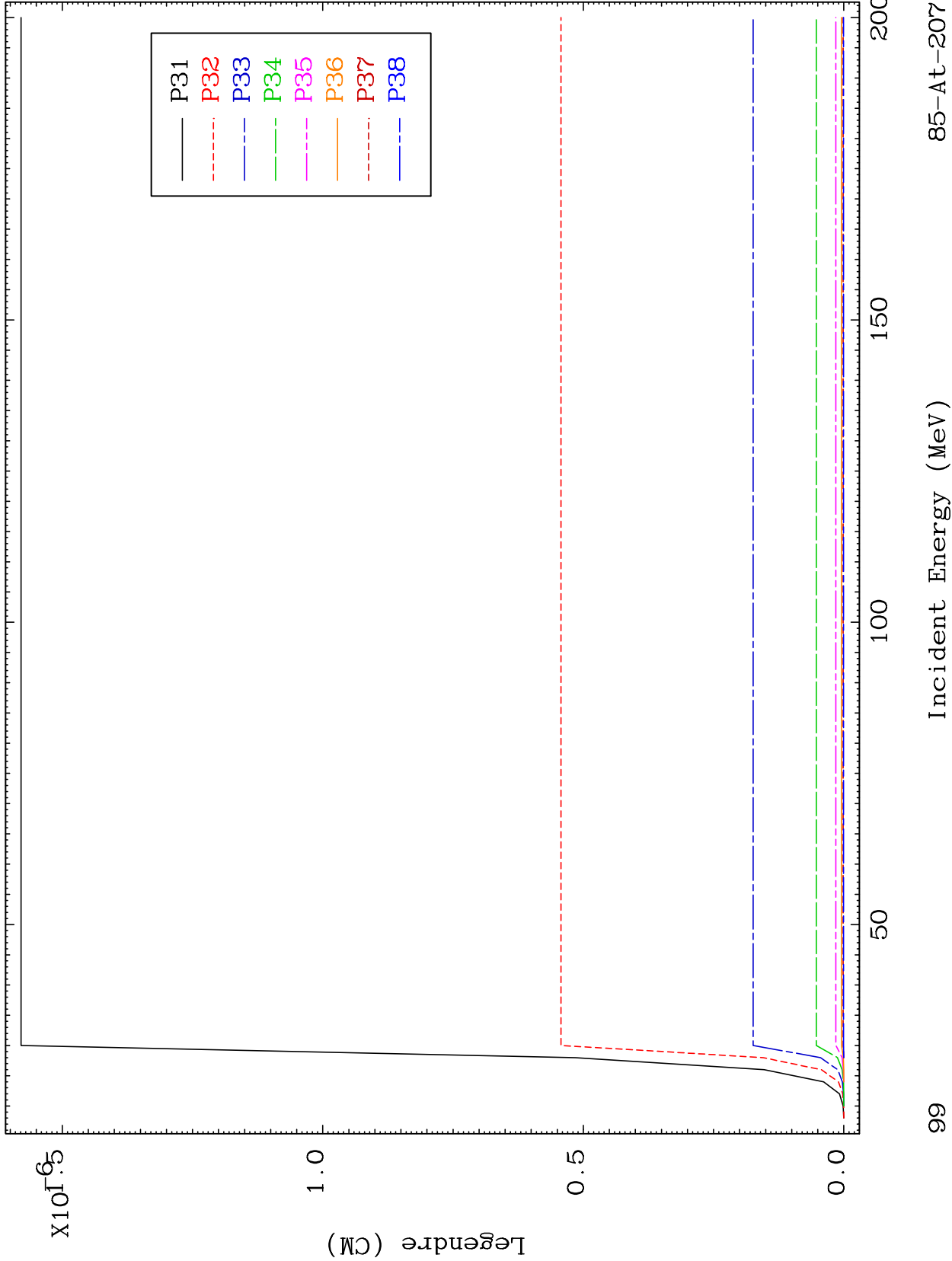


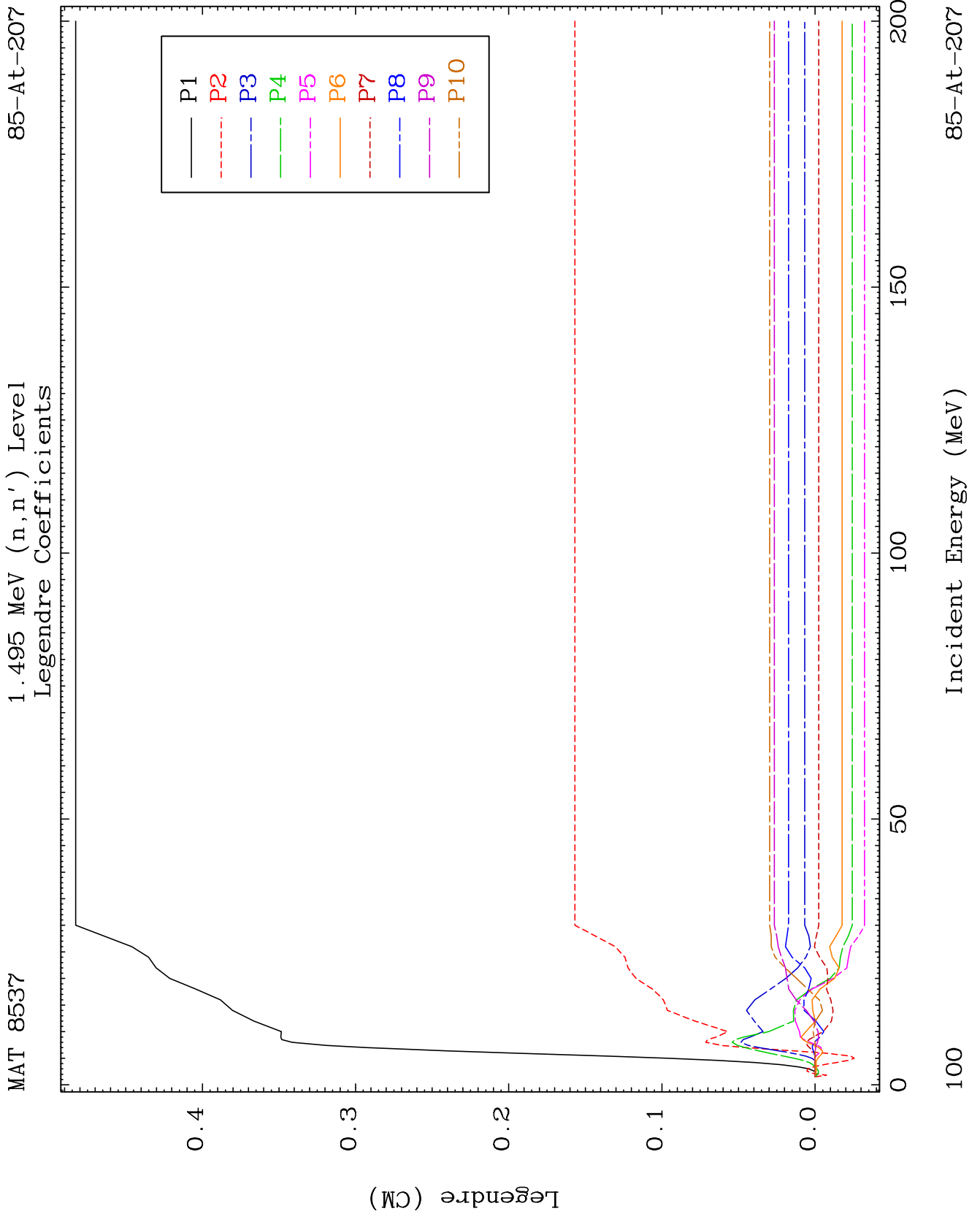
97

Incident Energy (MeV)

85-At-207



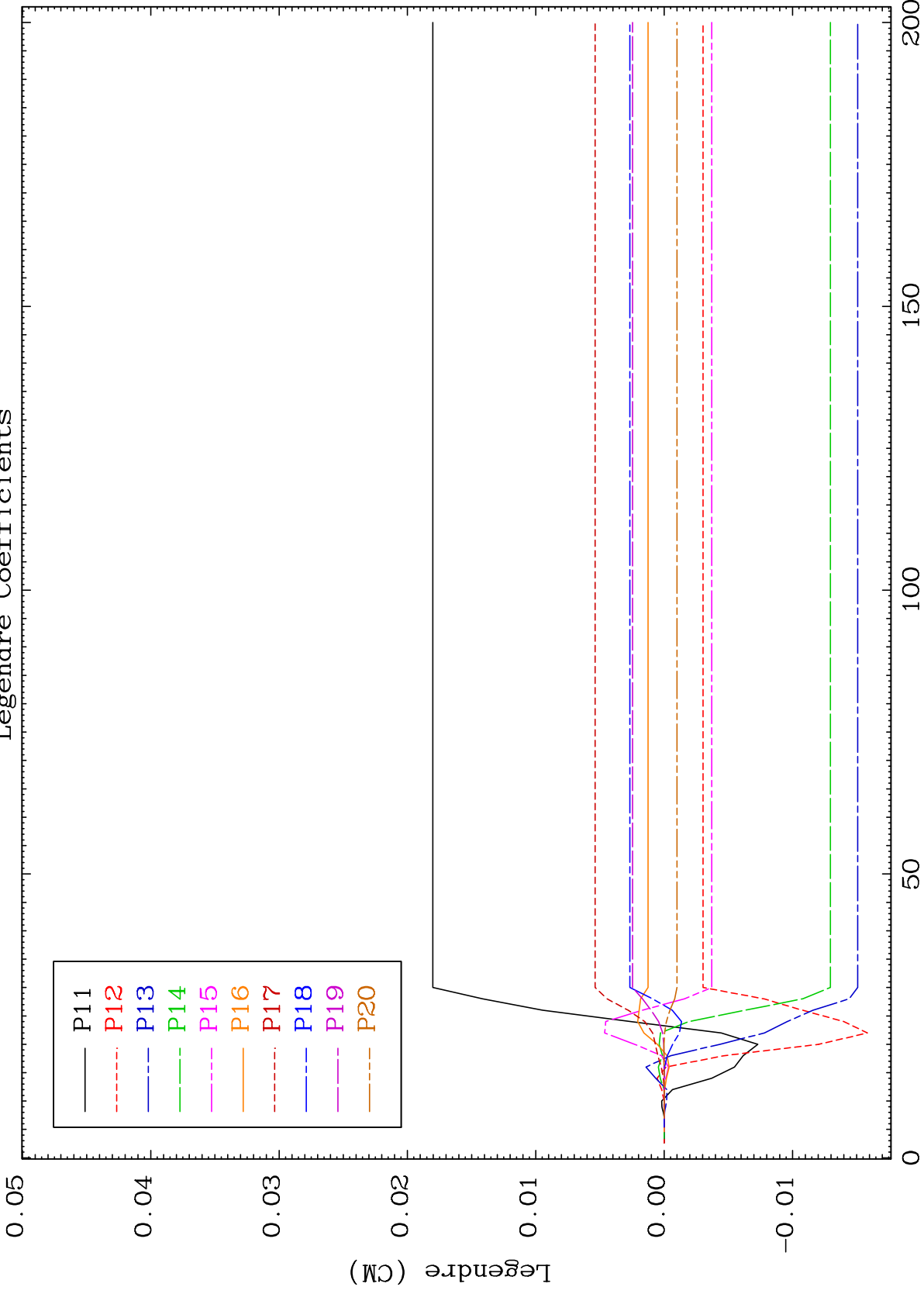




MAT 8537

1.495 MeV (n,n') Level
Legendre Coefficients

85-At-207



101

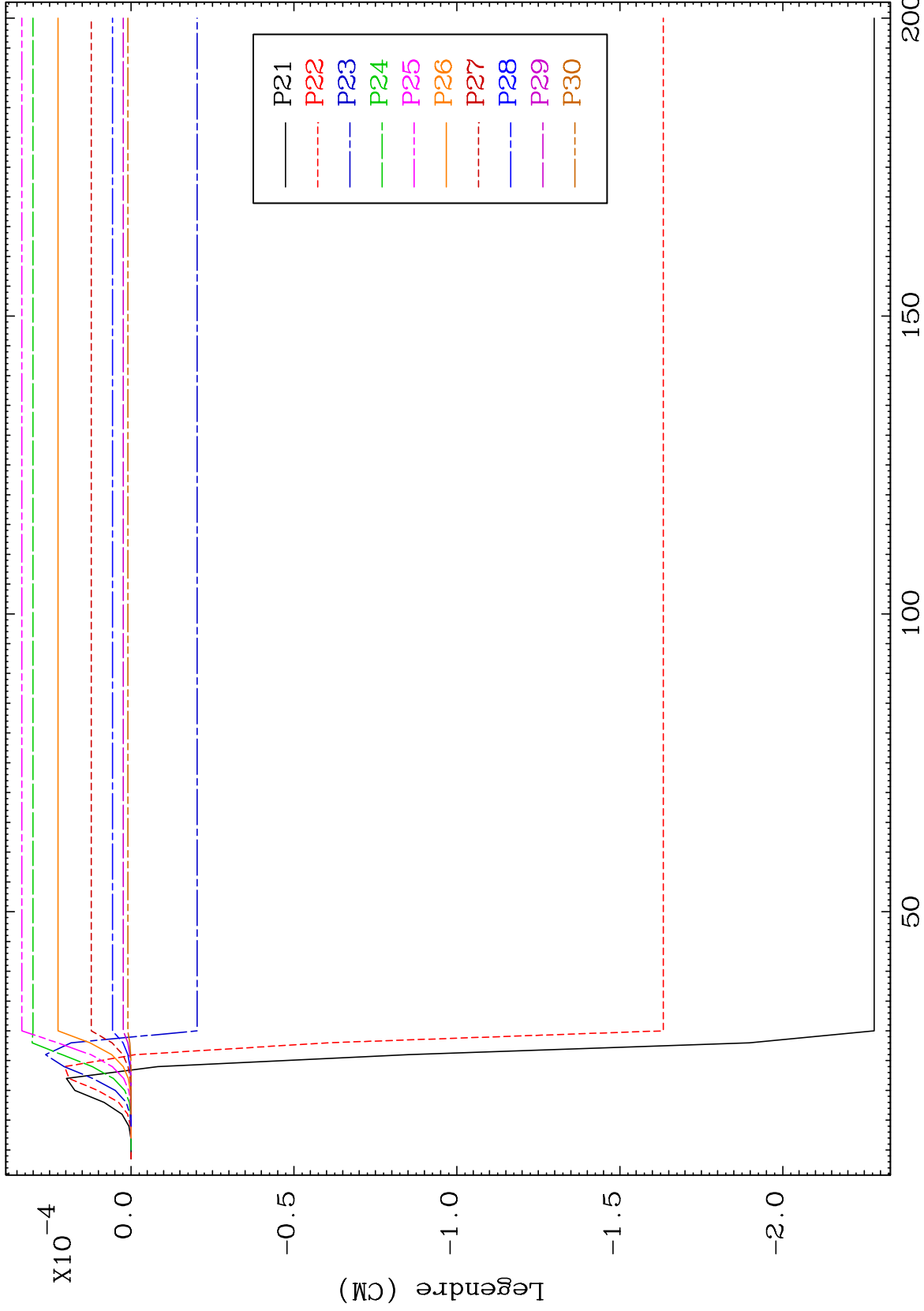
Incident Energy (MeV)

85-At-207

MAT 8537

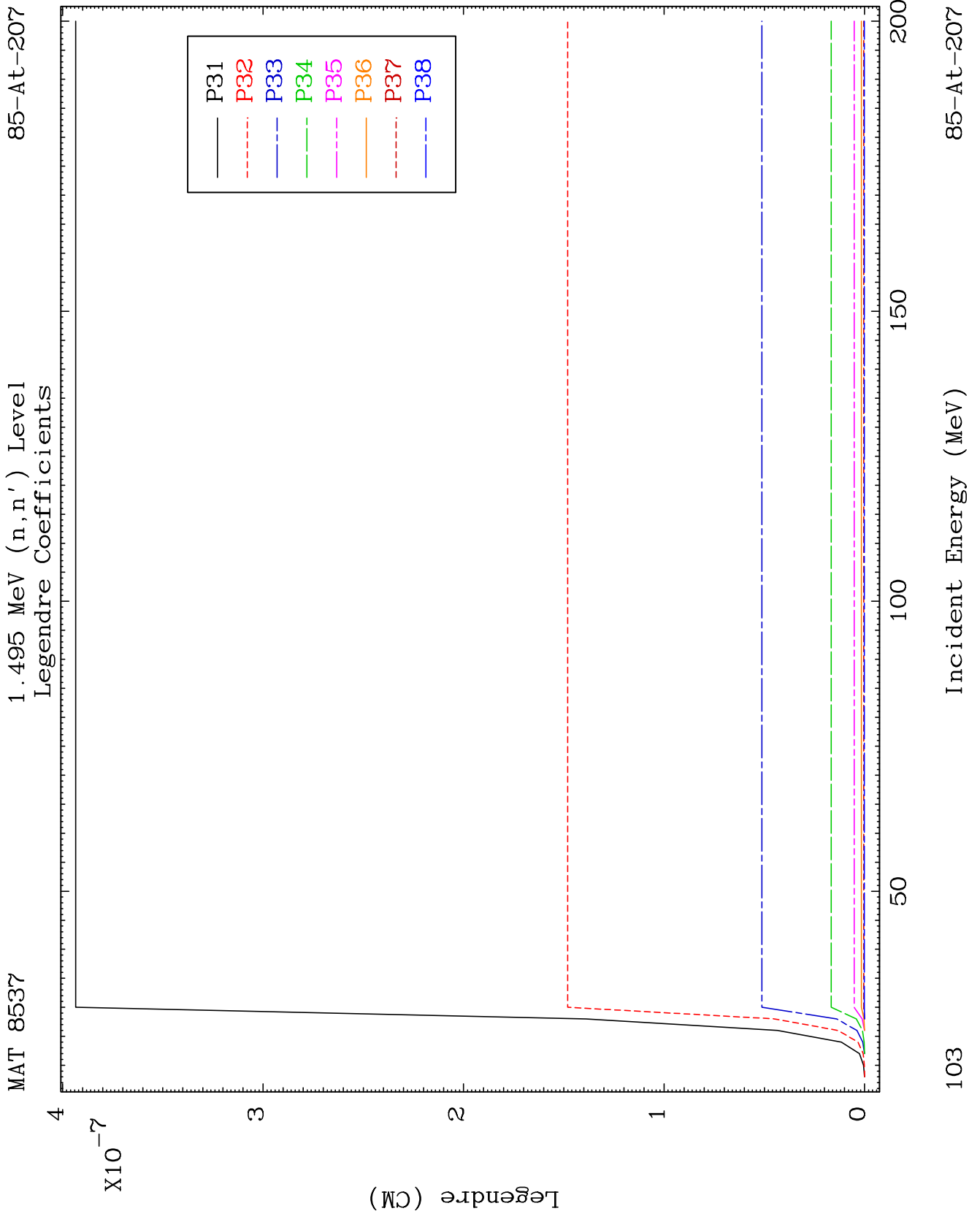
1.495 MeV (n,n') Level
Legendre Coefficients

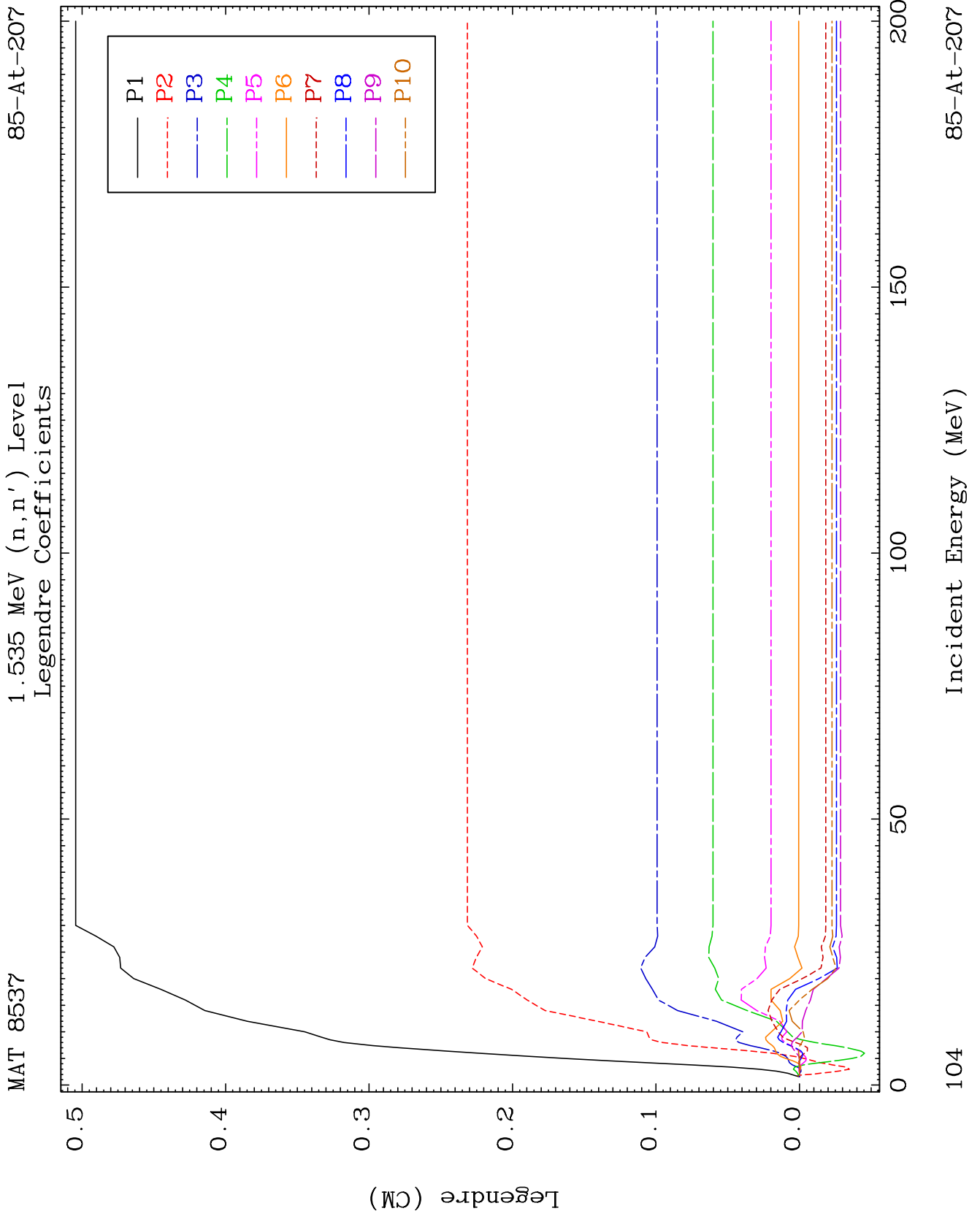
85-At-207



102

85-At-207

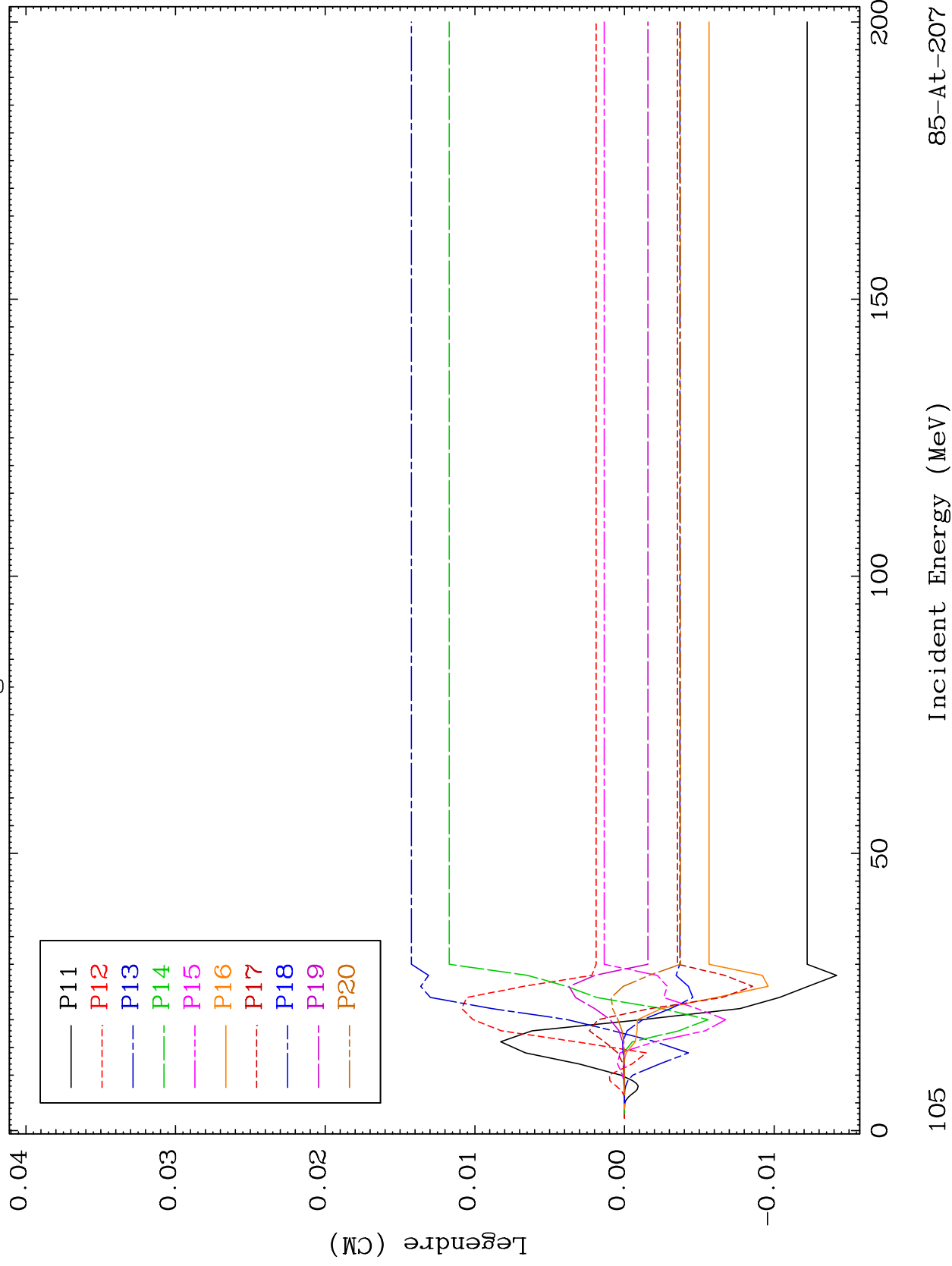




MAT 8537

1.535 MeV (n,n') Level
Legendre Coefficients

85-At-207



85-At-207

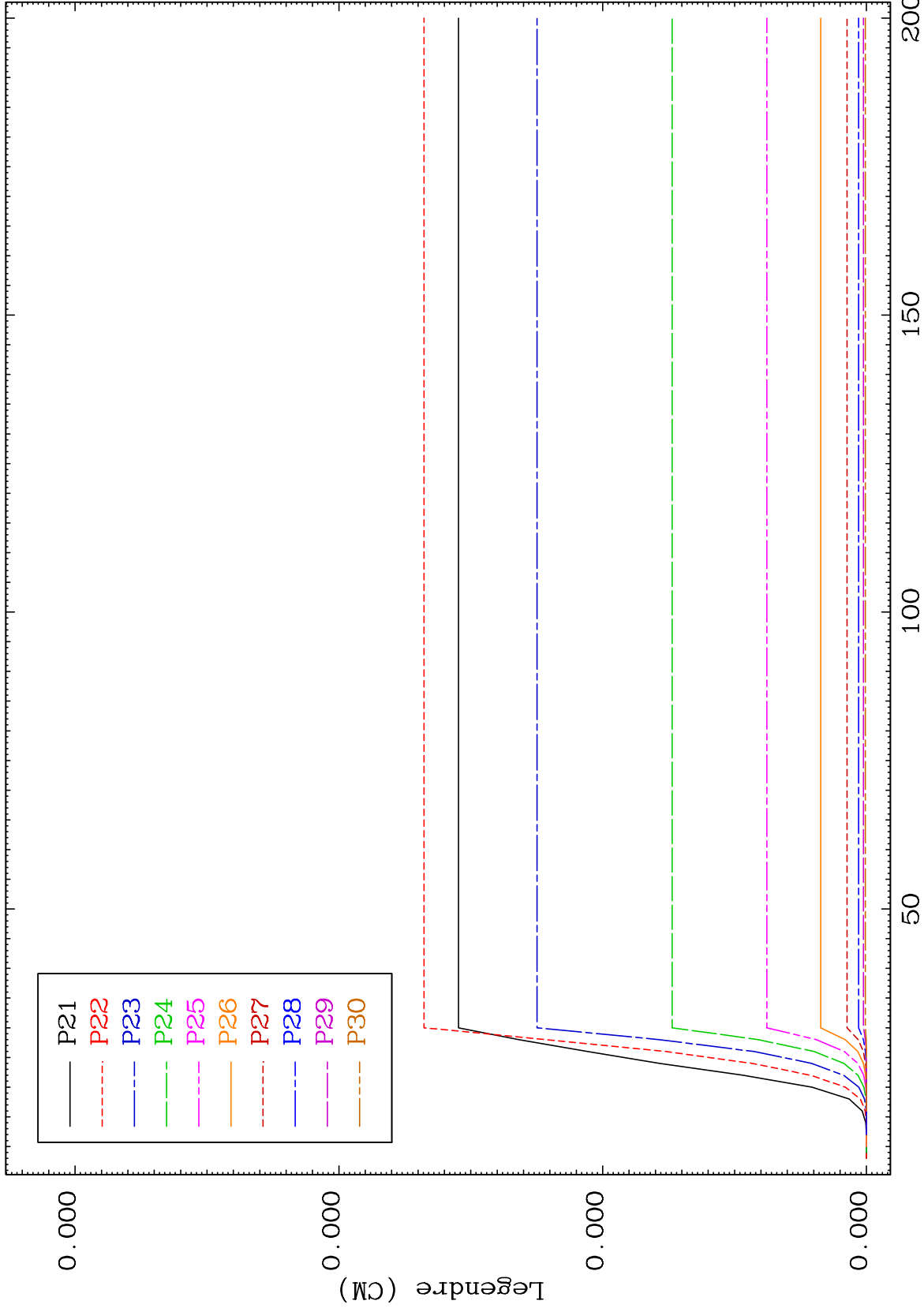
Incident Energy (MeV)

105

MAT 8537

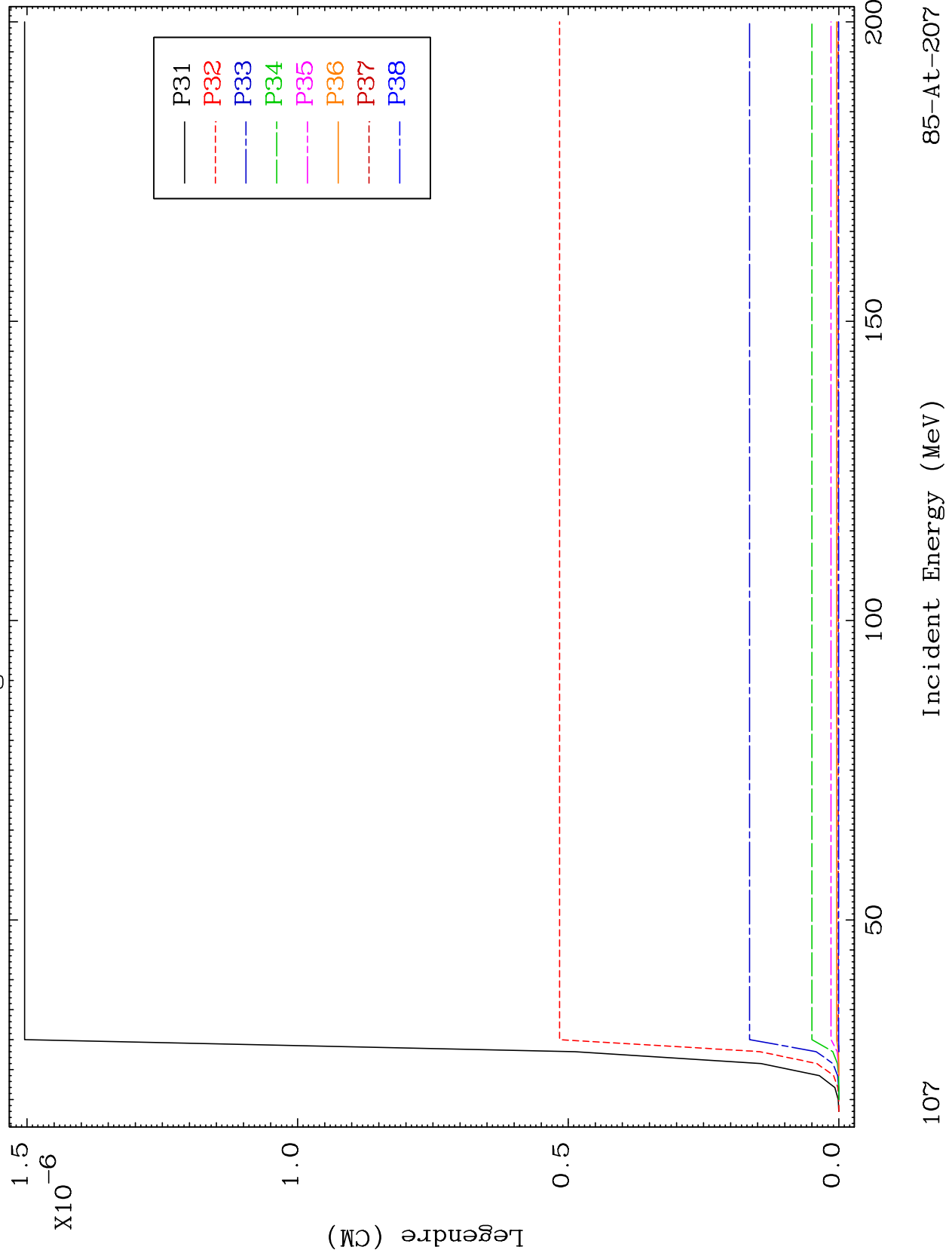
1.535 MeV (n,n') Level
Legendre Coefficients

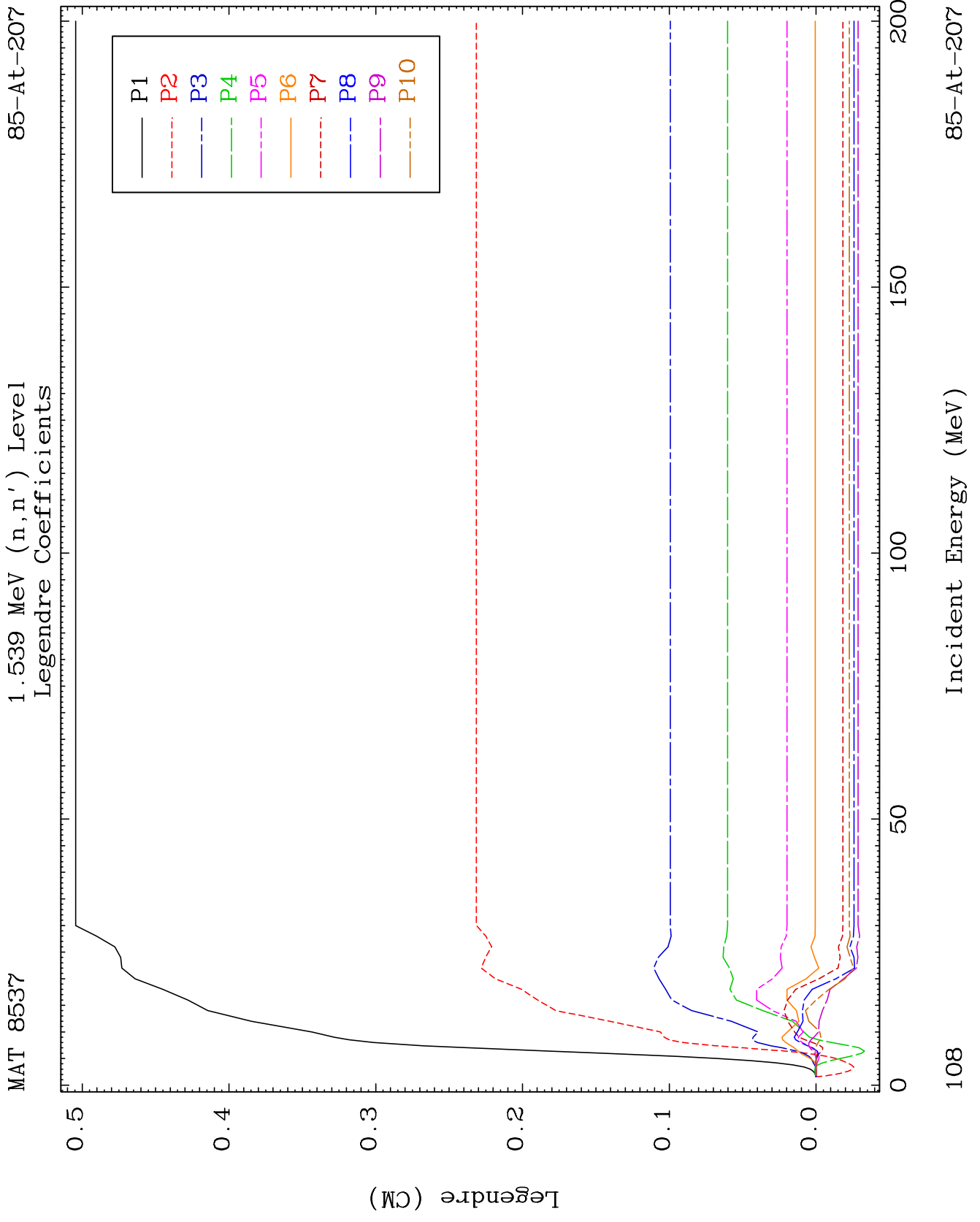
85-At-207



106

85-At-207





85-At-207

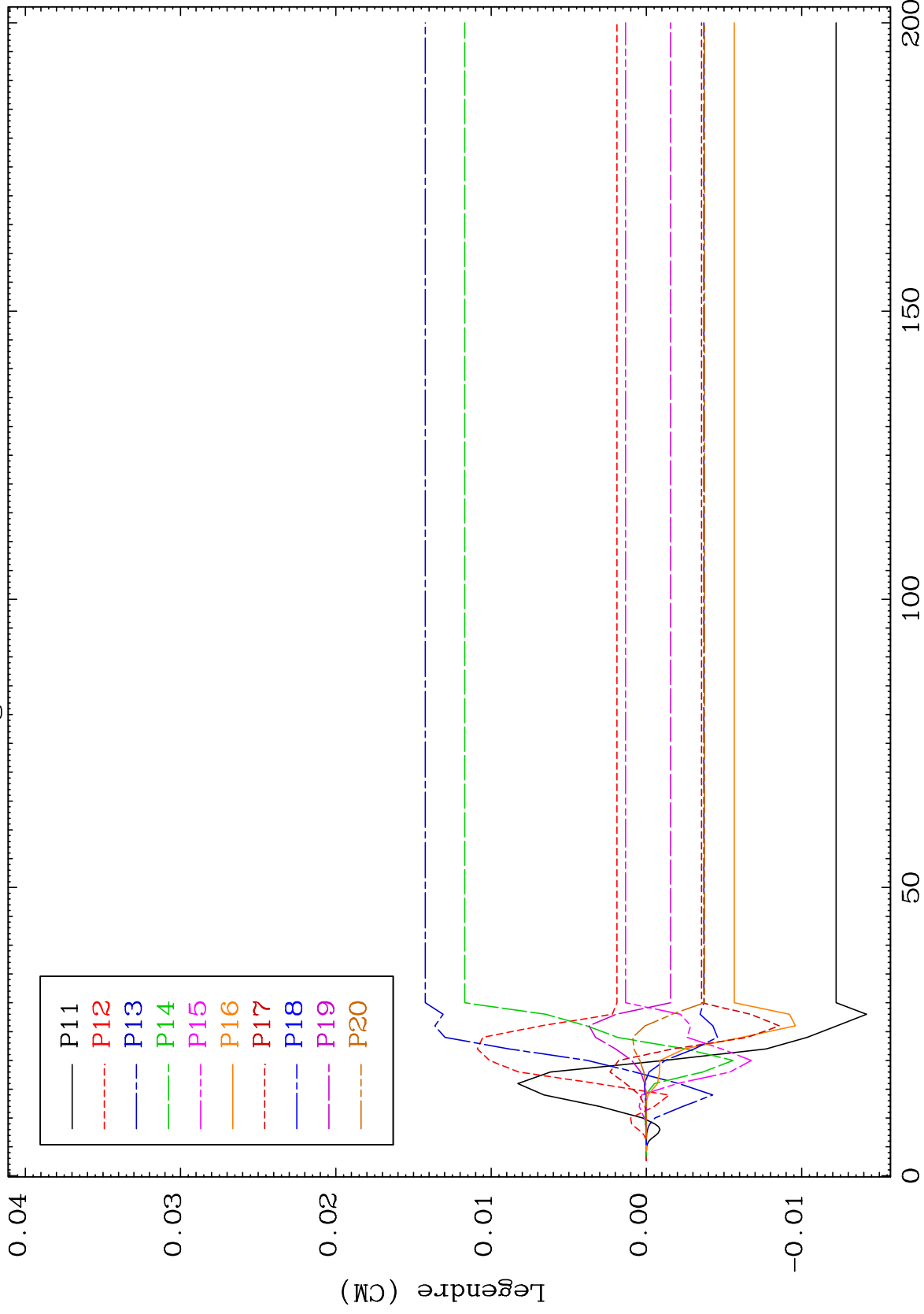
Incident Energy (MeV)

108

MAT 8537

1.539 MeV (n,n') Level
Legendre Coefficients

85-At-207



109

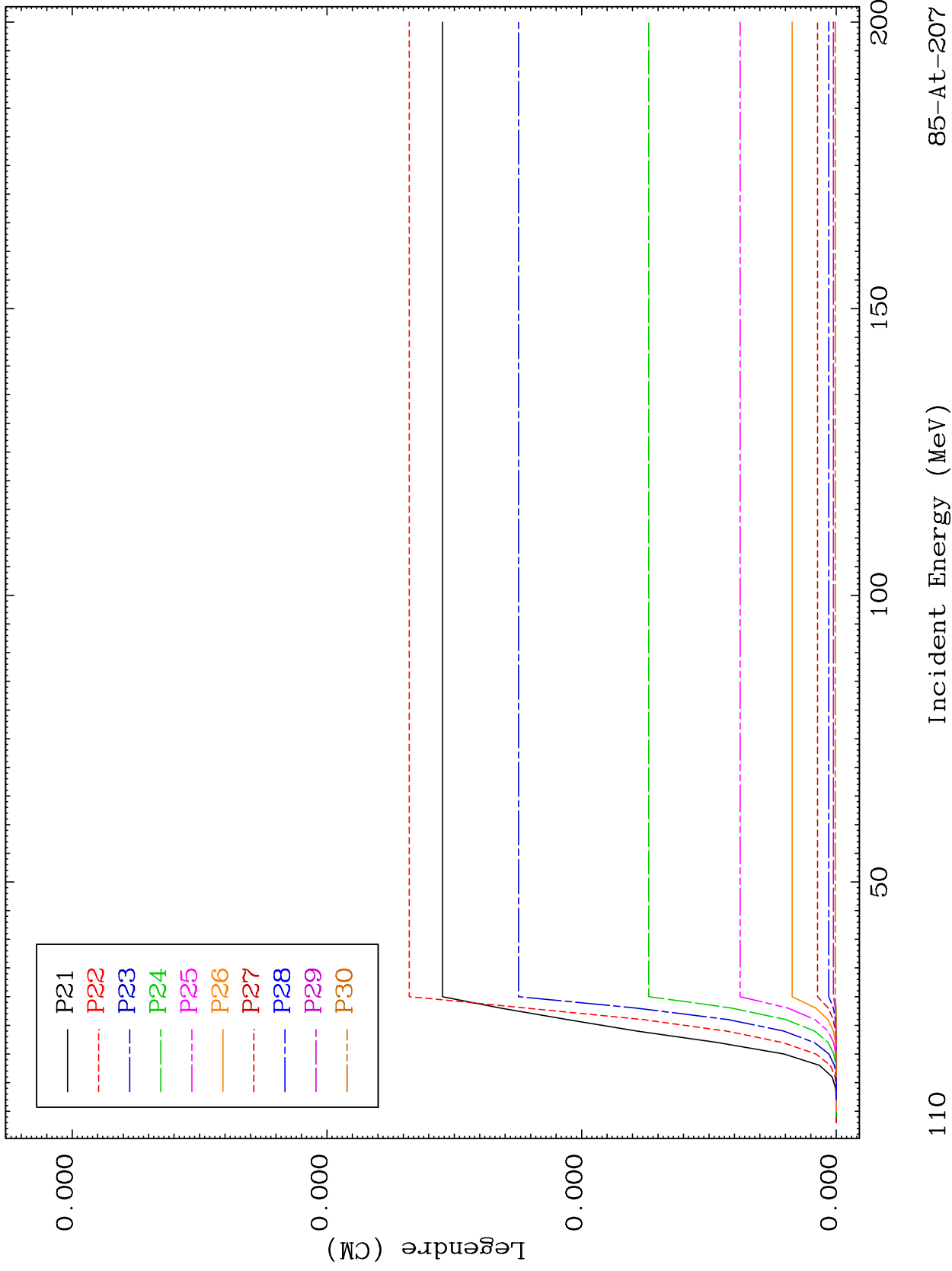
Incident Energy (MeV)

85-At-207

MAT 8537

1.539 MeV (n,n') Level
Legendre Coefficients

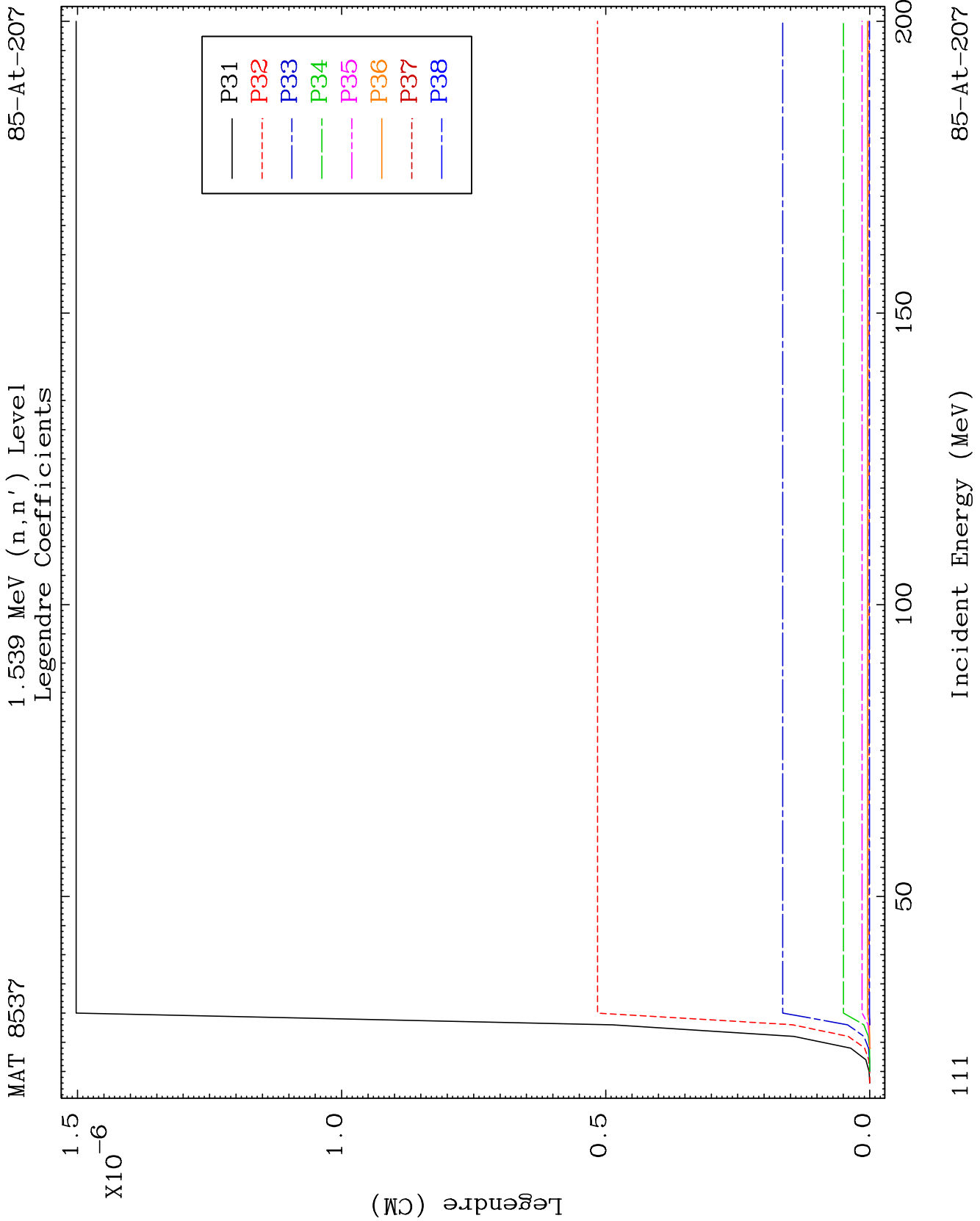
85-At-207



110

Incident Energy (MeV)

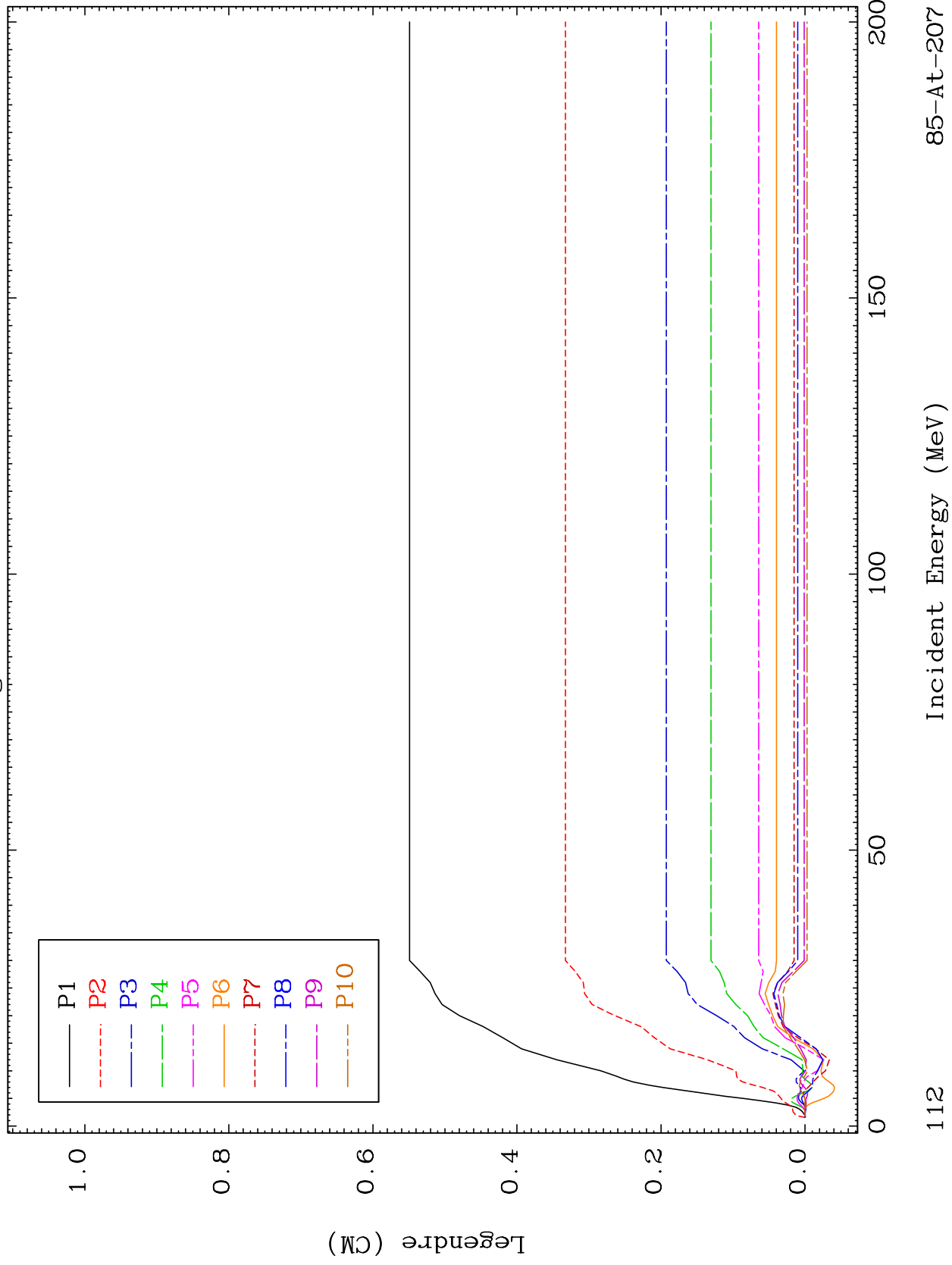
85-At-207

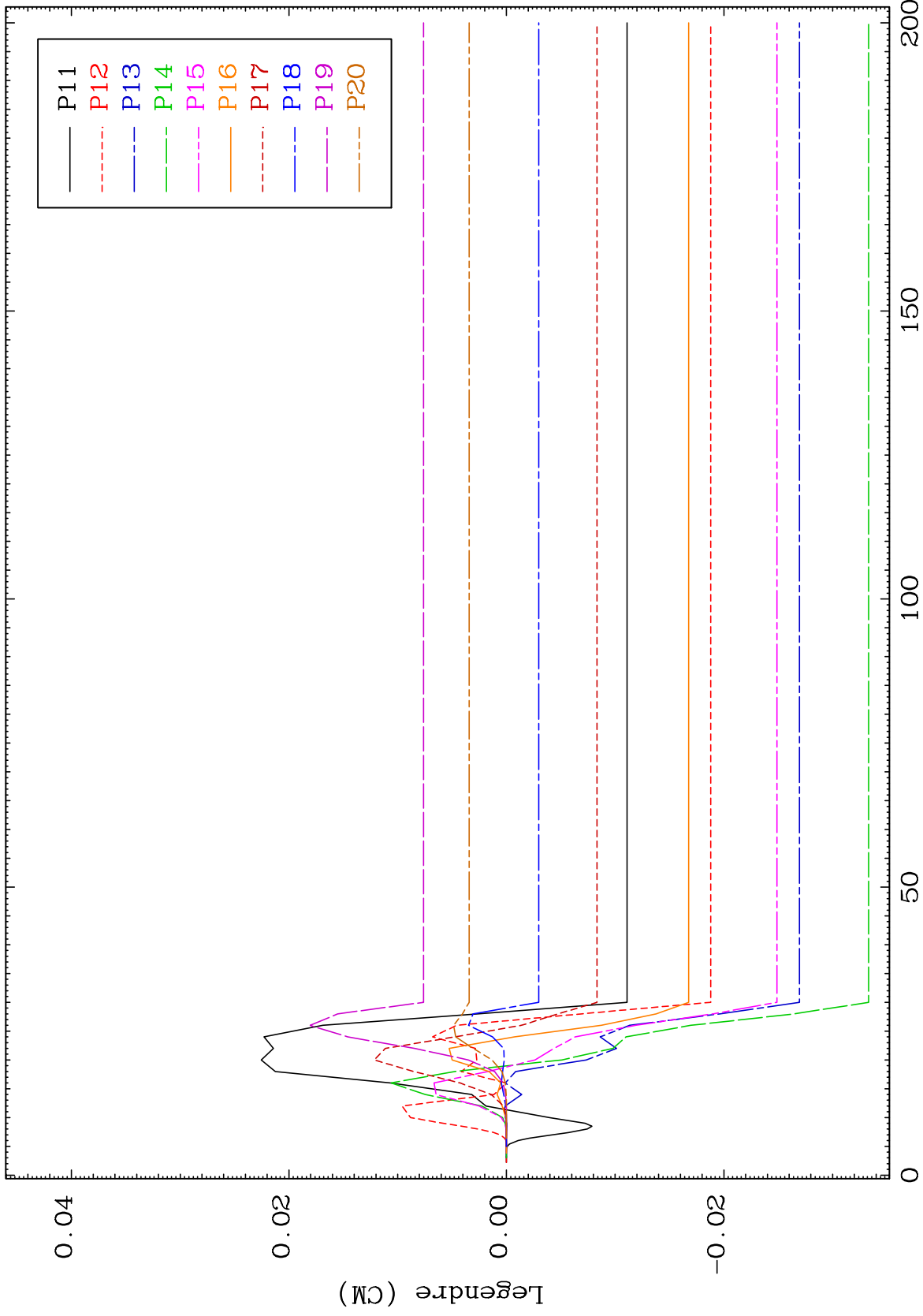


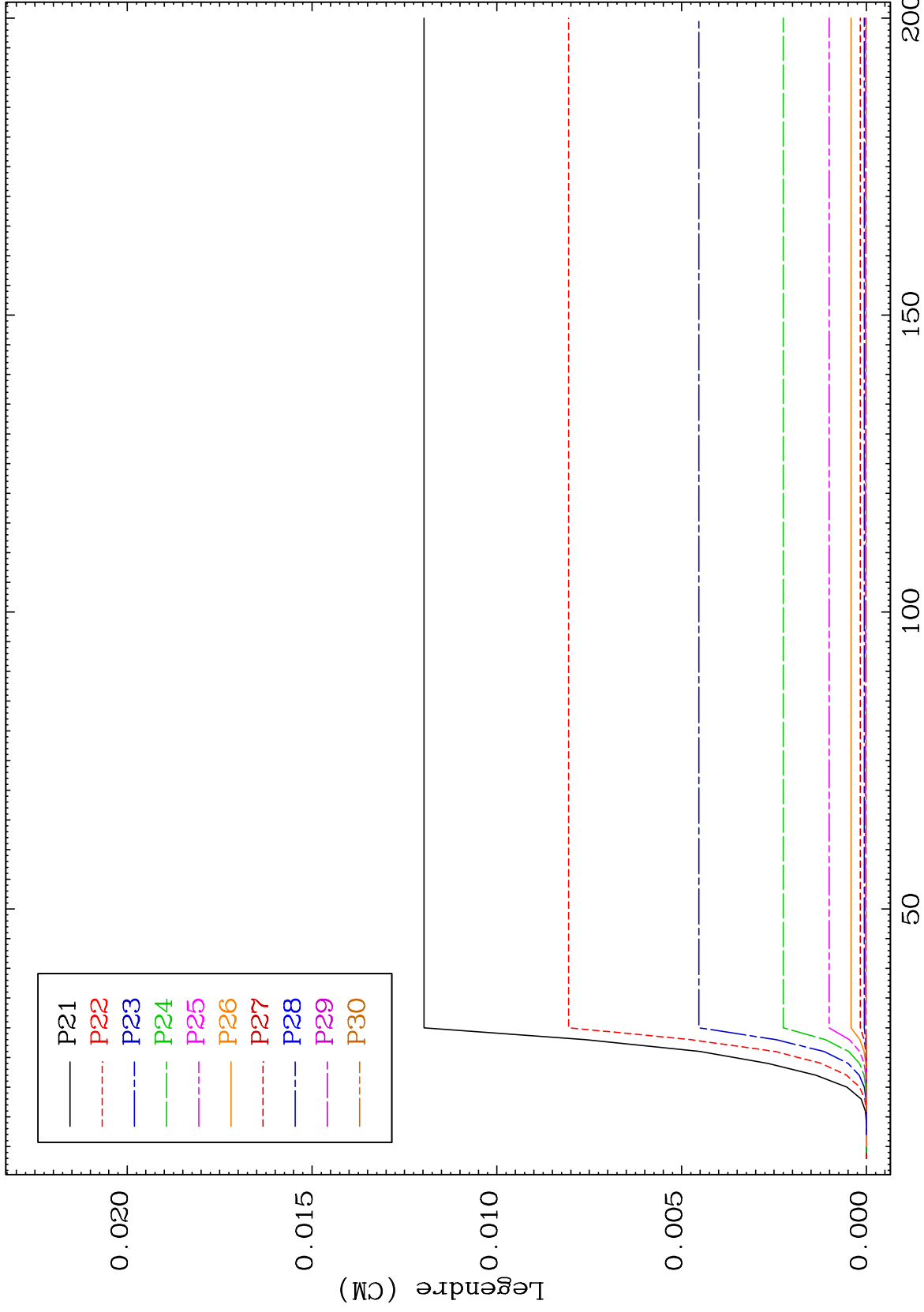
MAT 8537

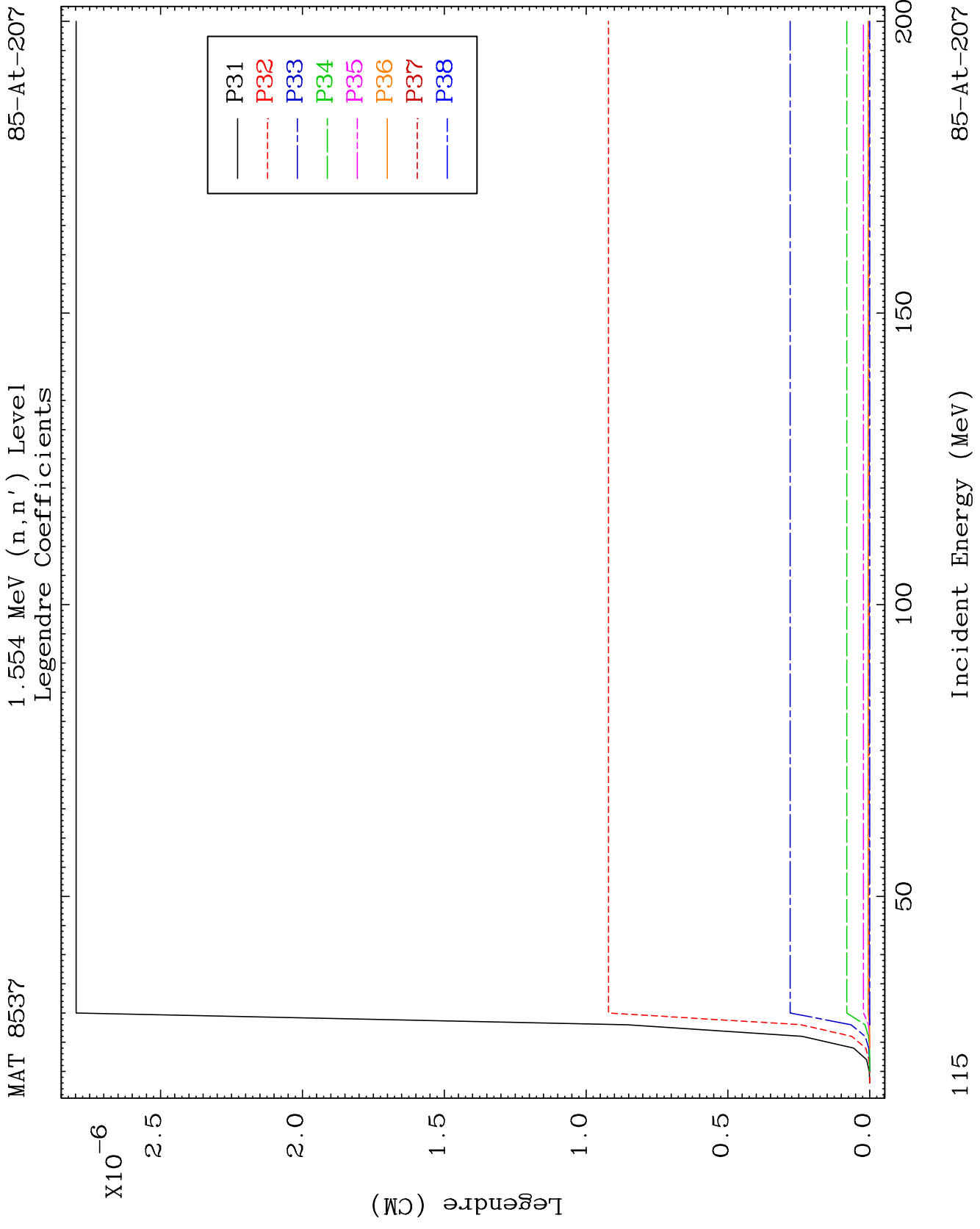
1.554 MeV (n,n') Level
Legendre Coefficients

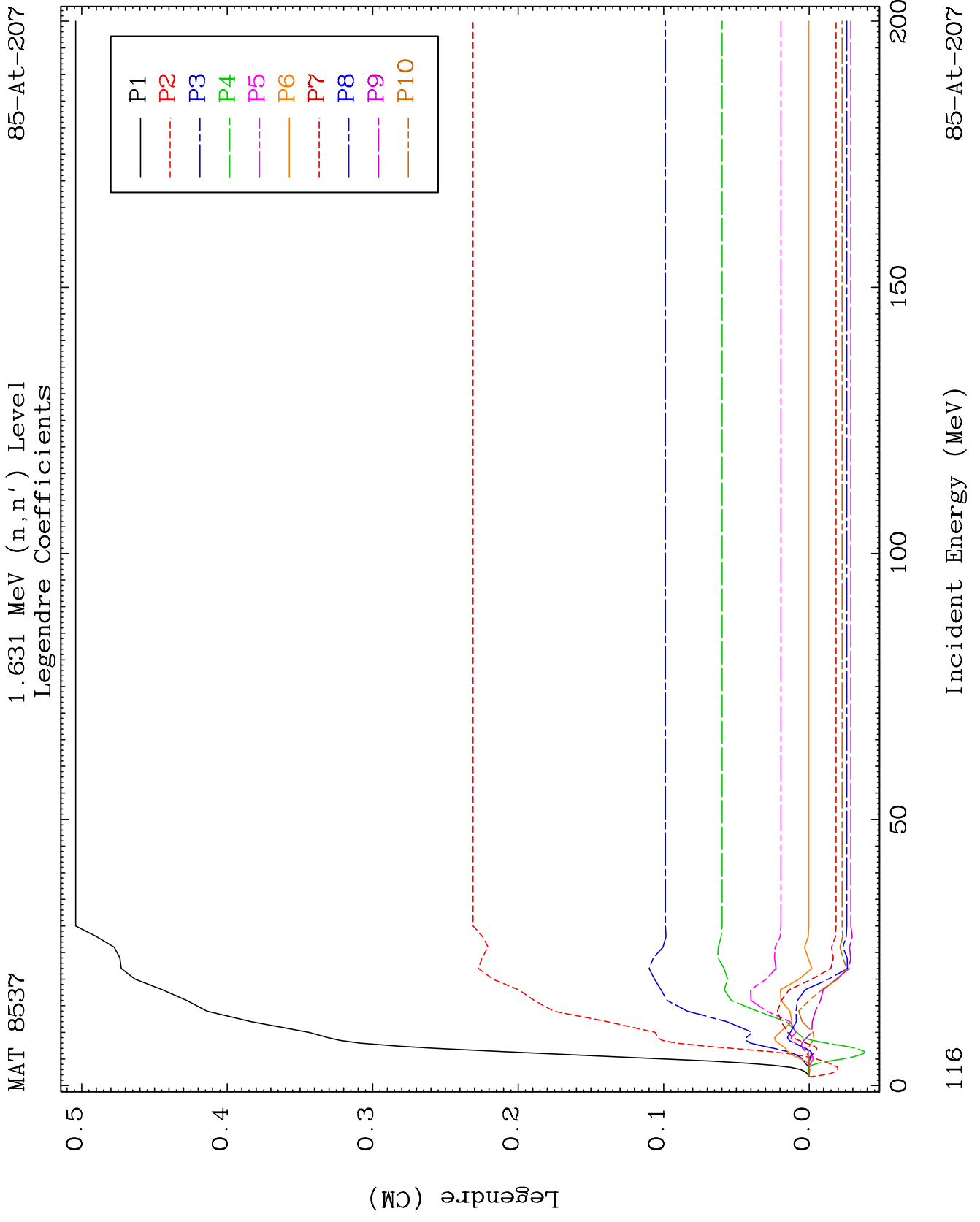
85-At-207







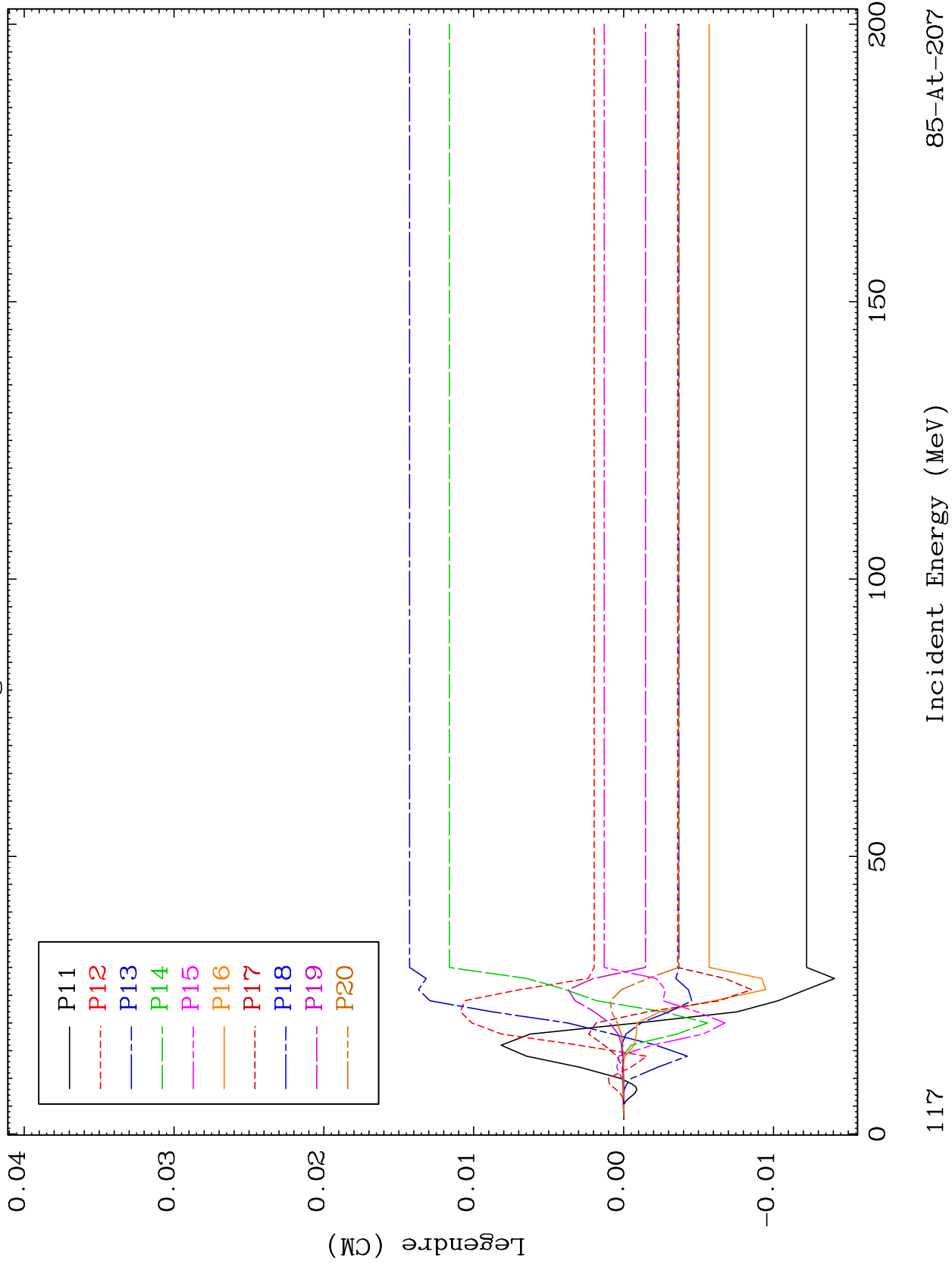




MAT 8537

1.631 MeV (n,n') Level
Legendre Coefficients

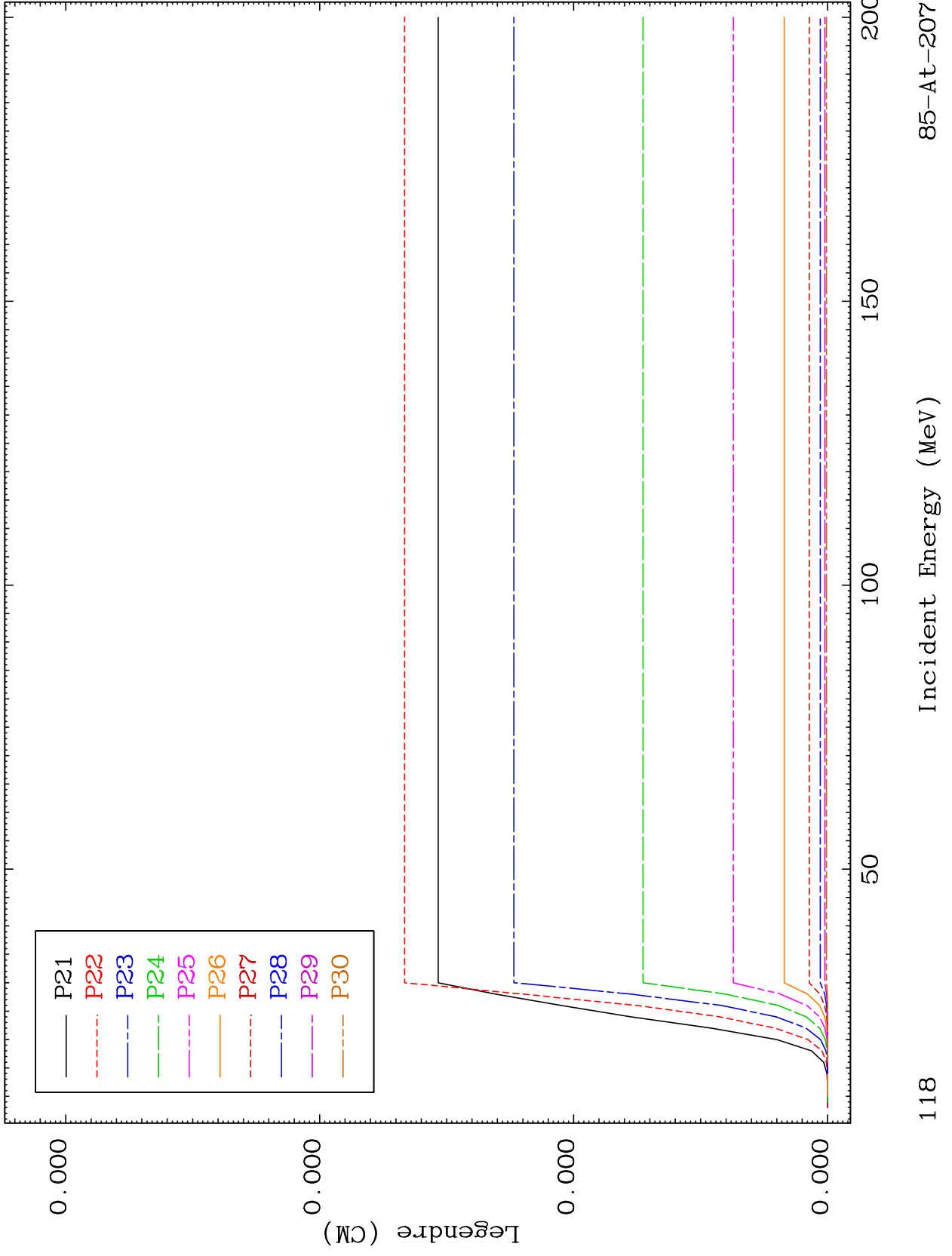
85-At-207

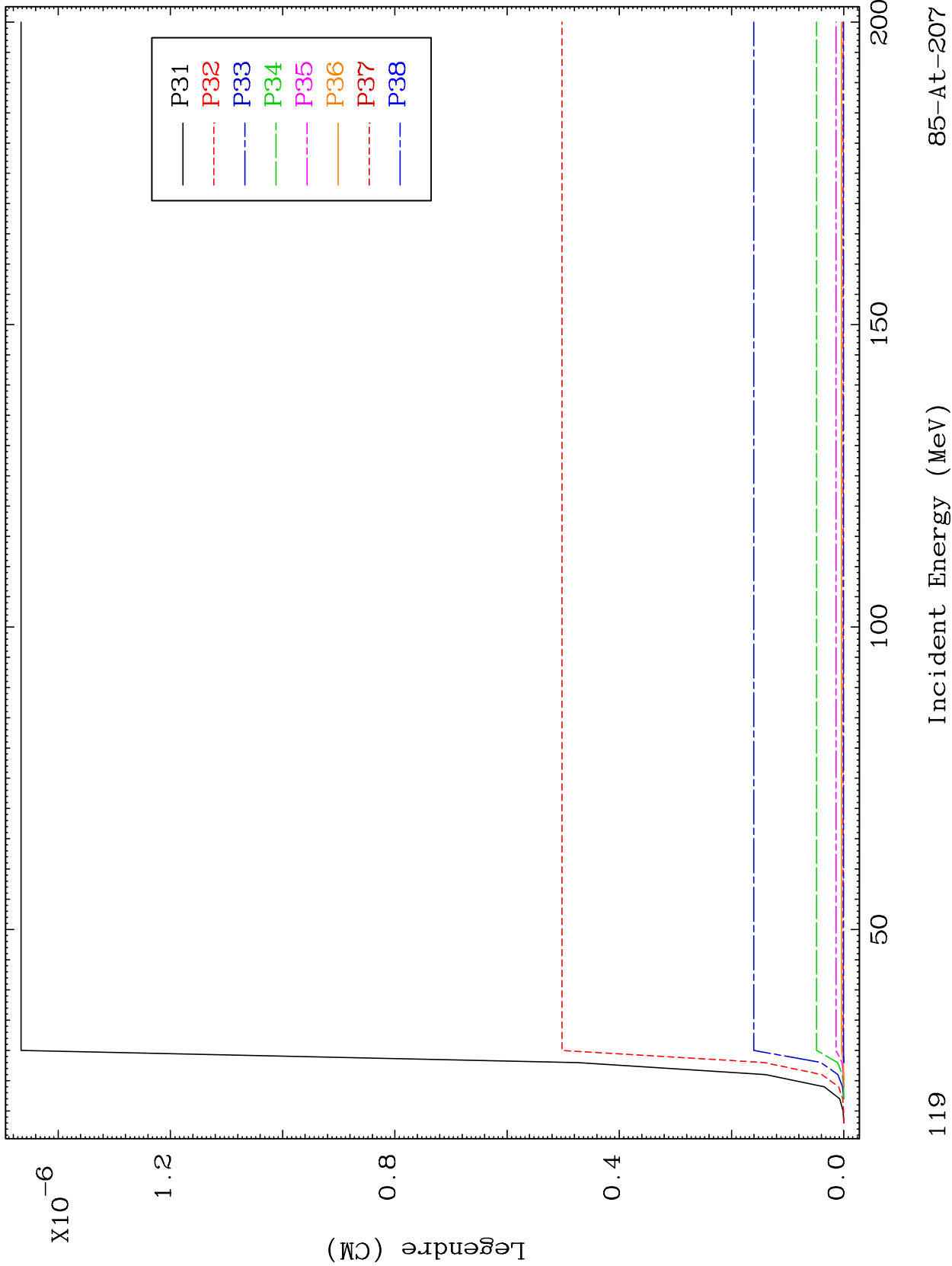


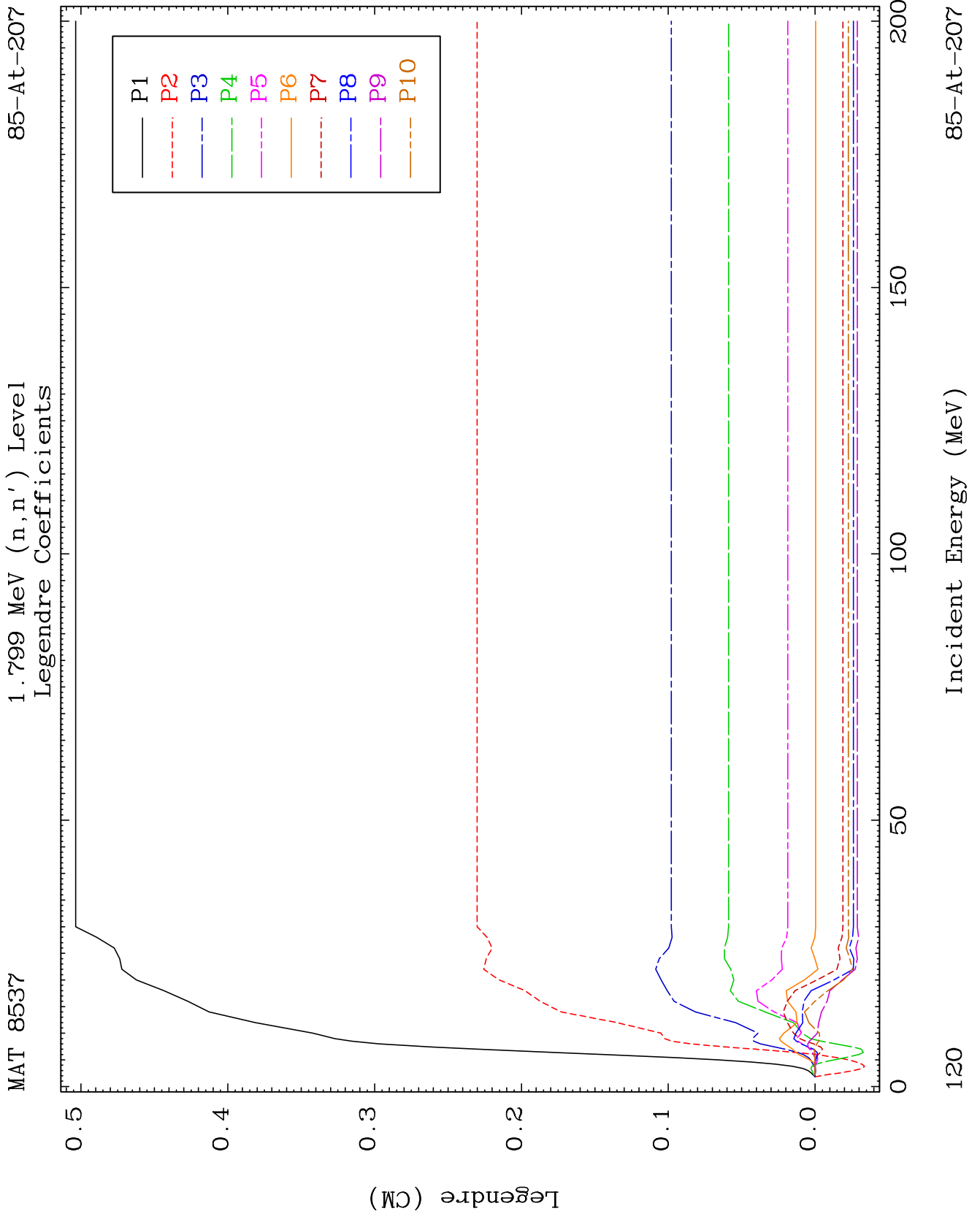
117

Incident Energy (MeV)

85-At-207



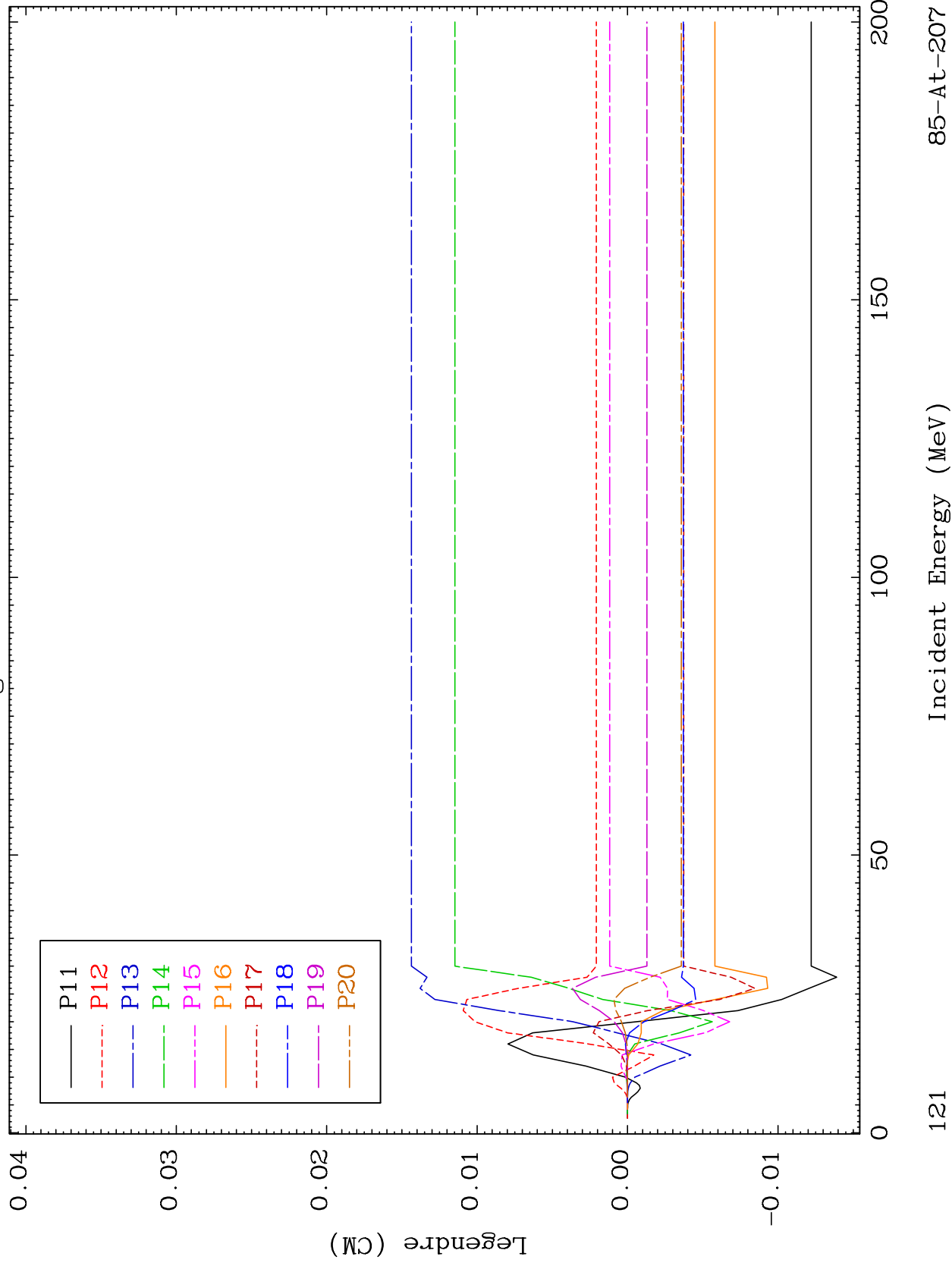




MAT 8537

1.799 MeV (n,n') Level
Legendre Coefficients

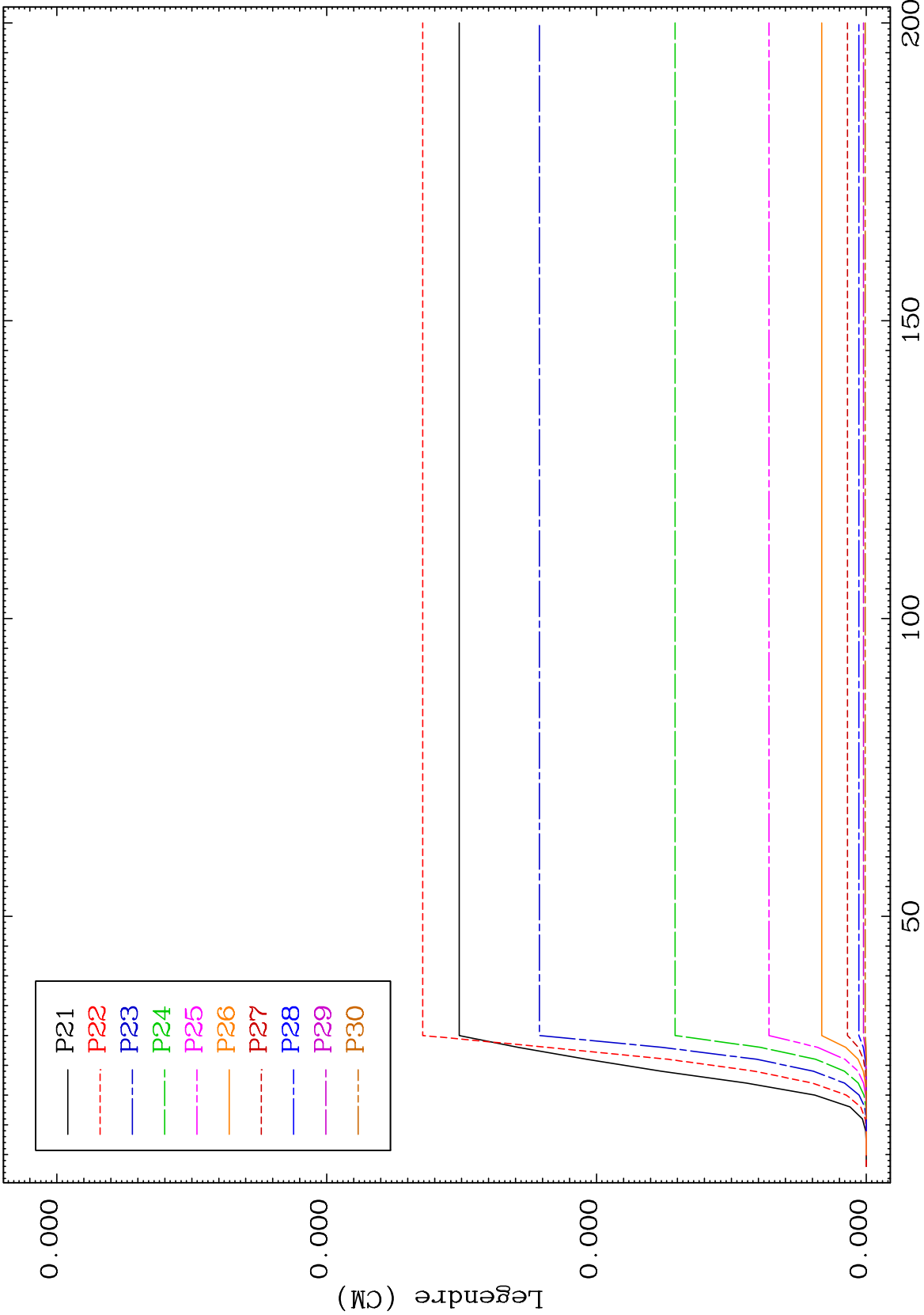
85-At-207

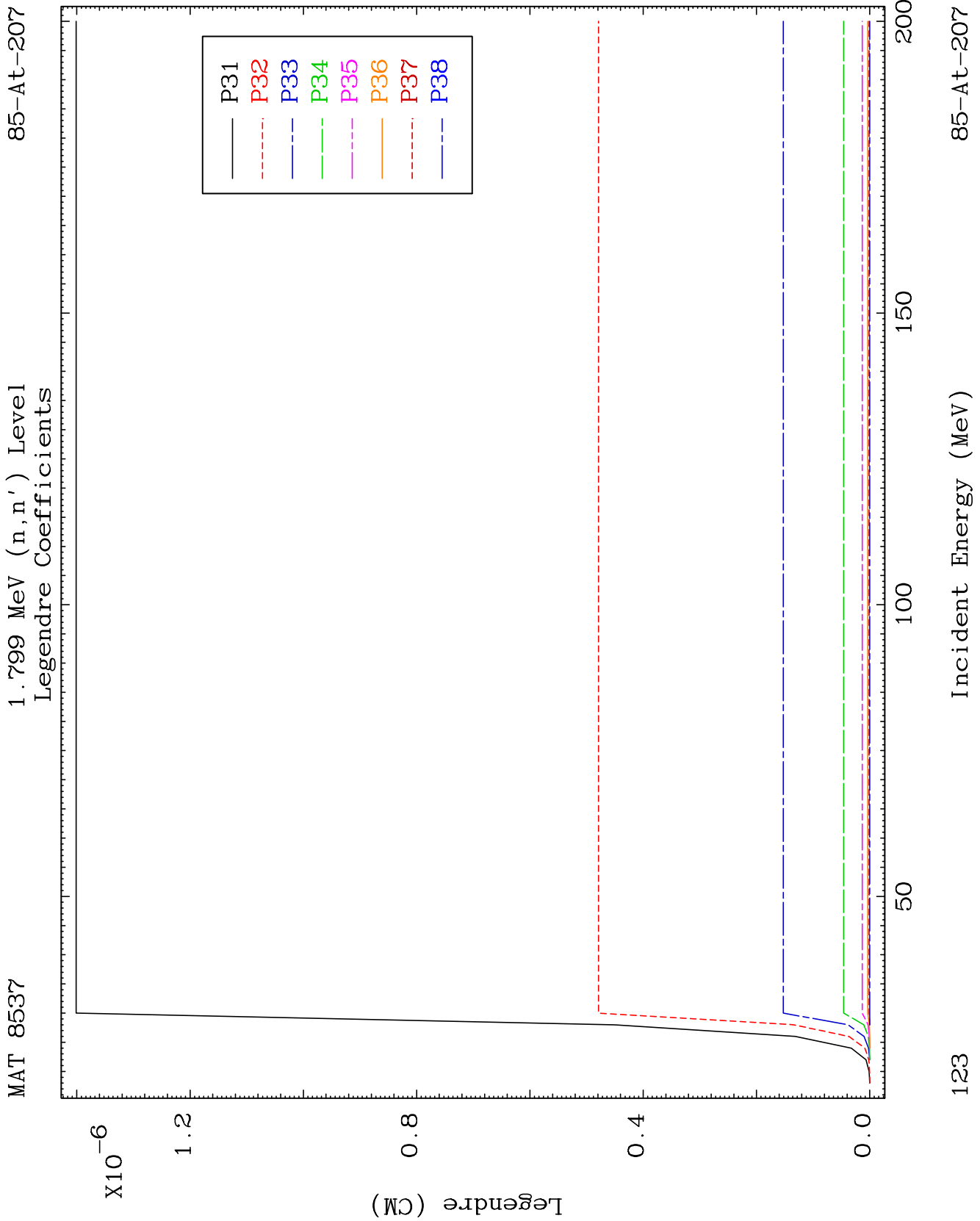


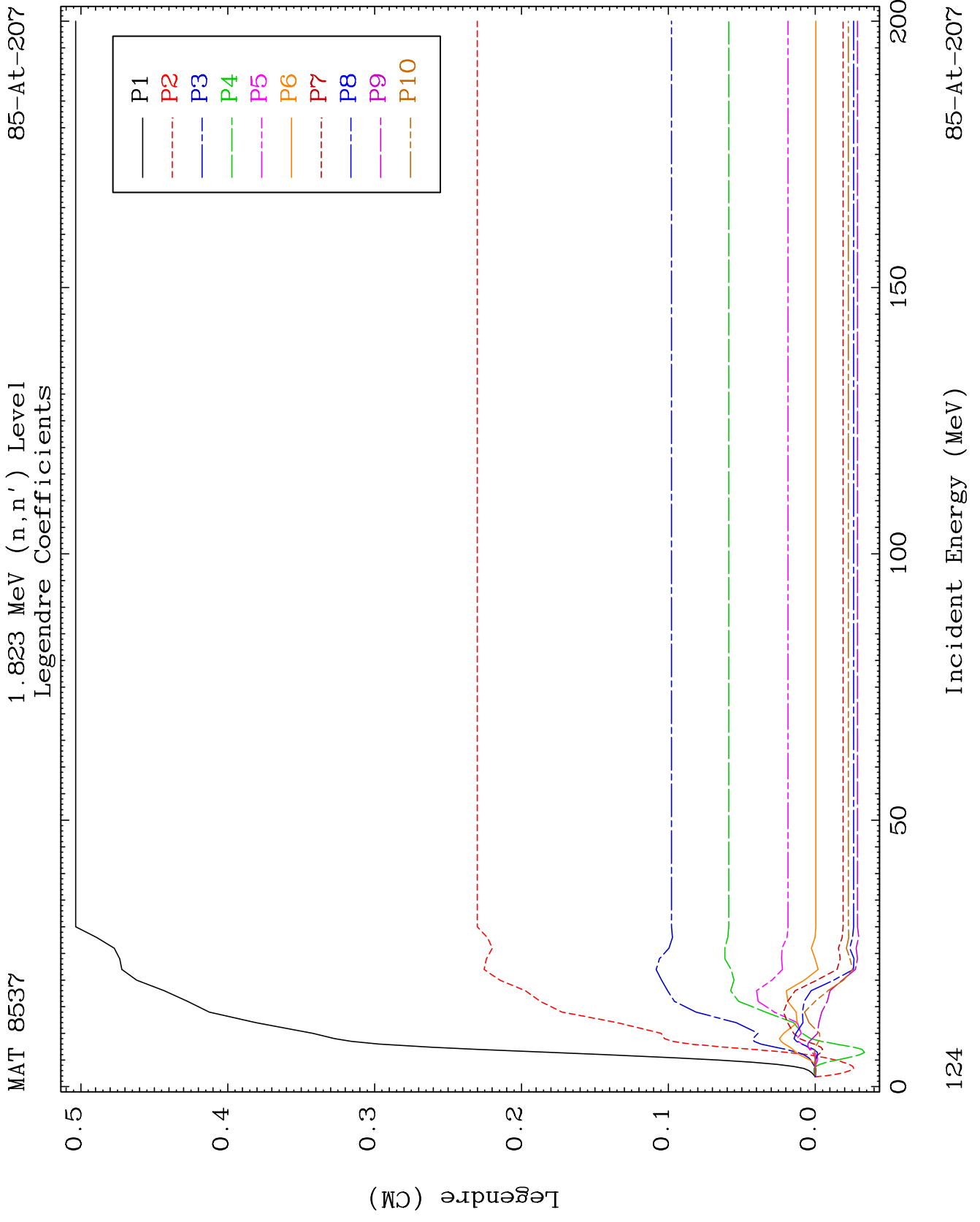
121

Incident Energy (MeV)

85-At-207



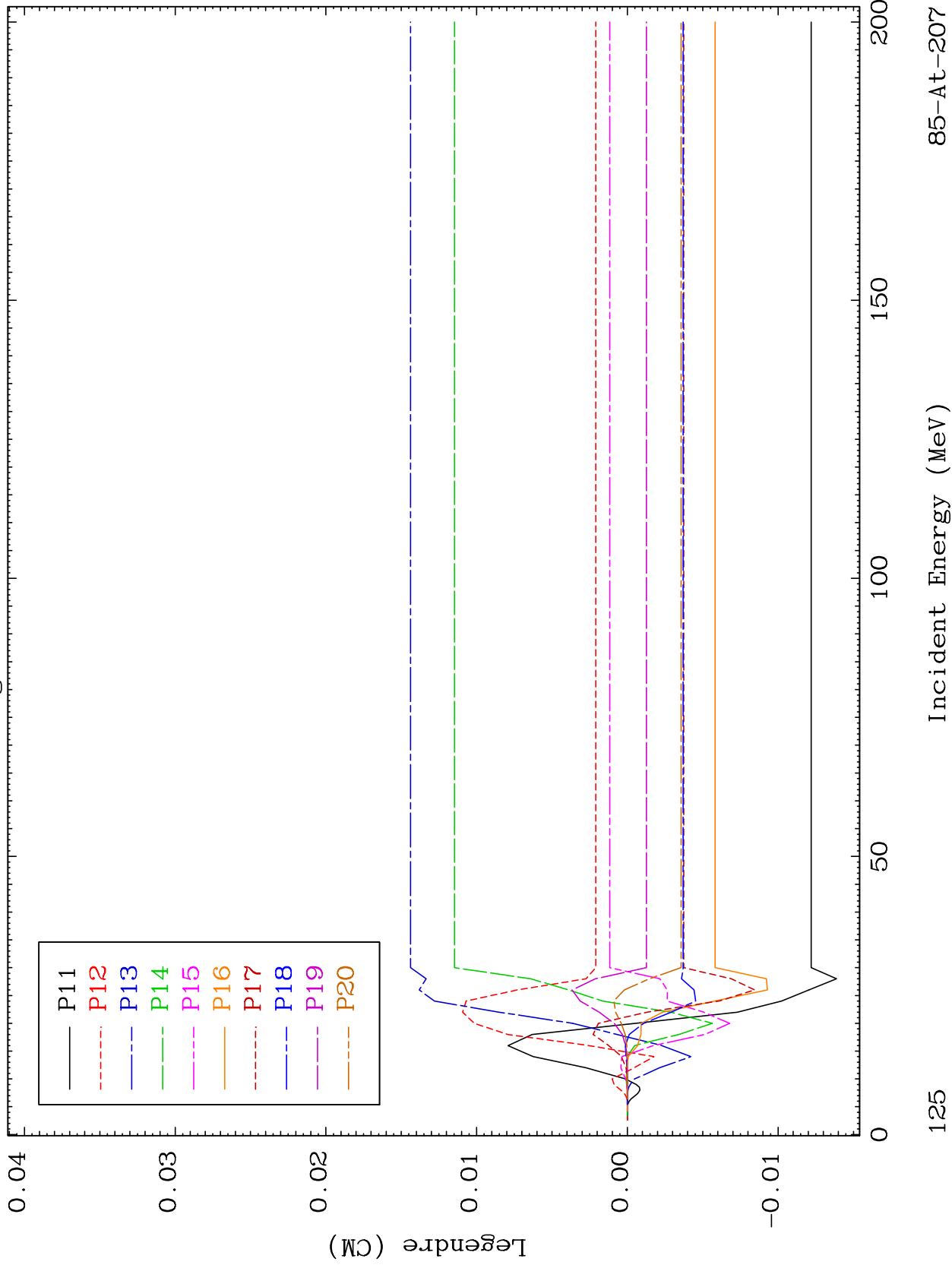




MAT 8537

1.823 MeV (n,n') Level
Legendre Coefficients

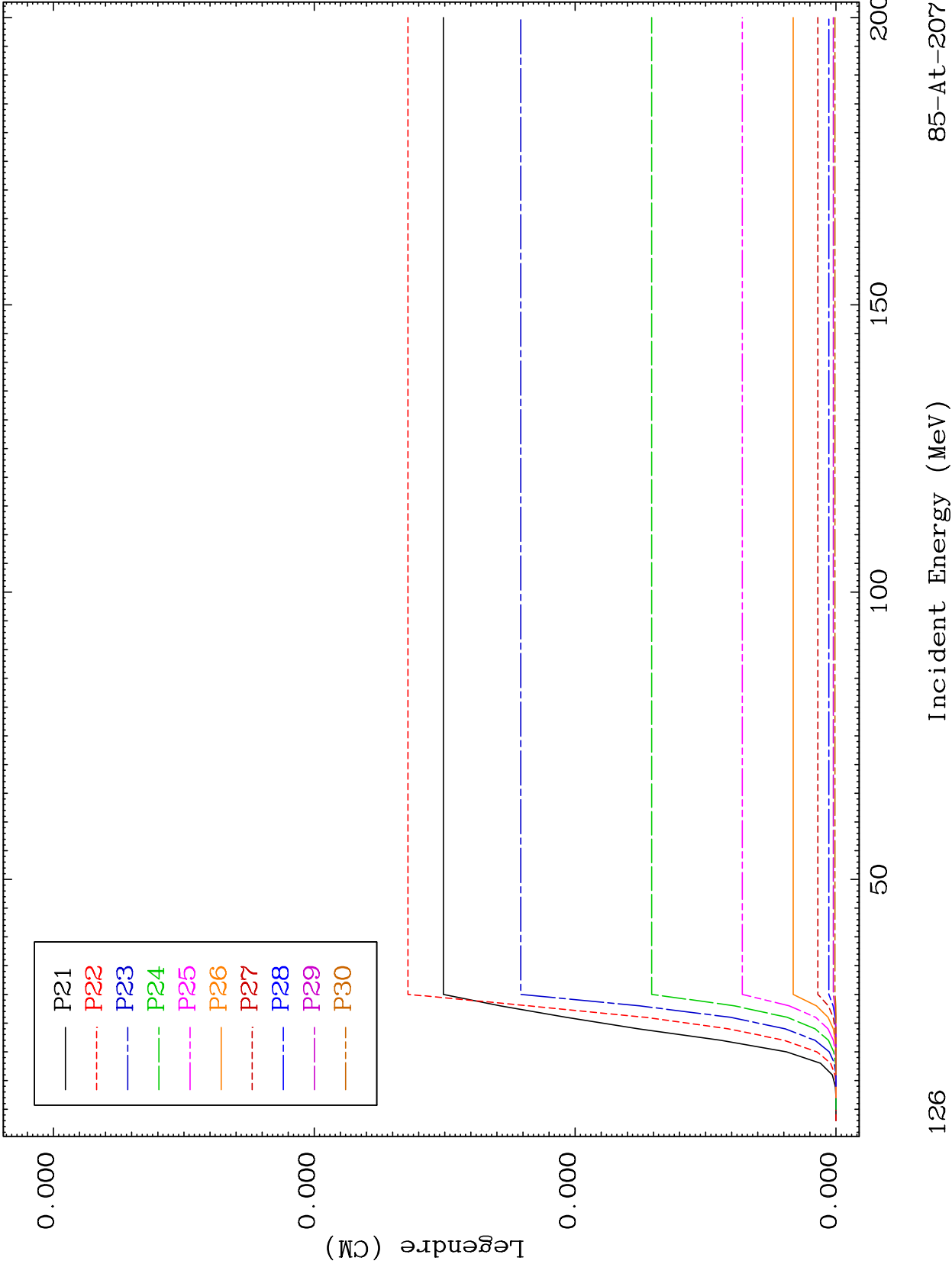
85-At-207

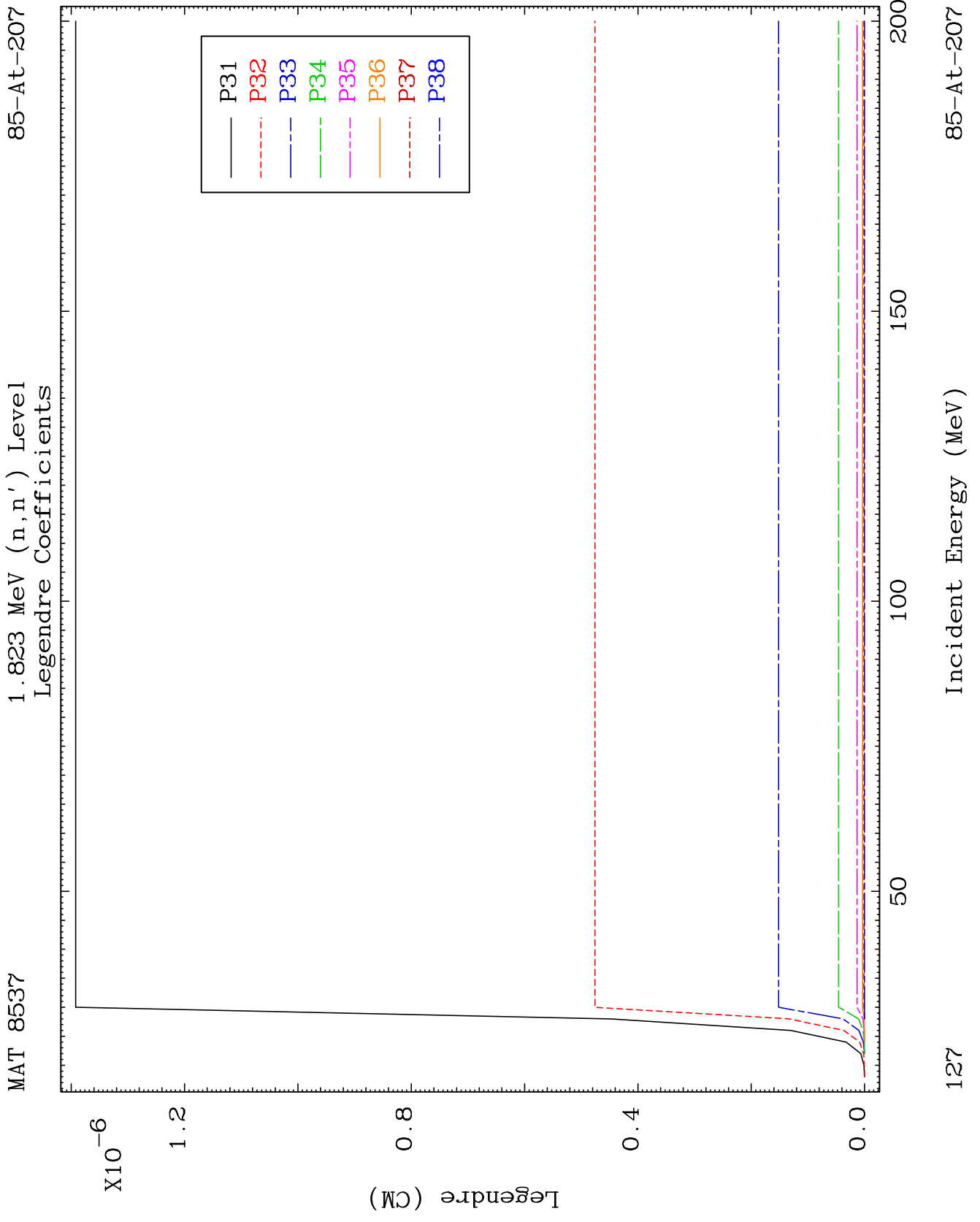


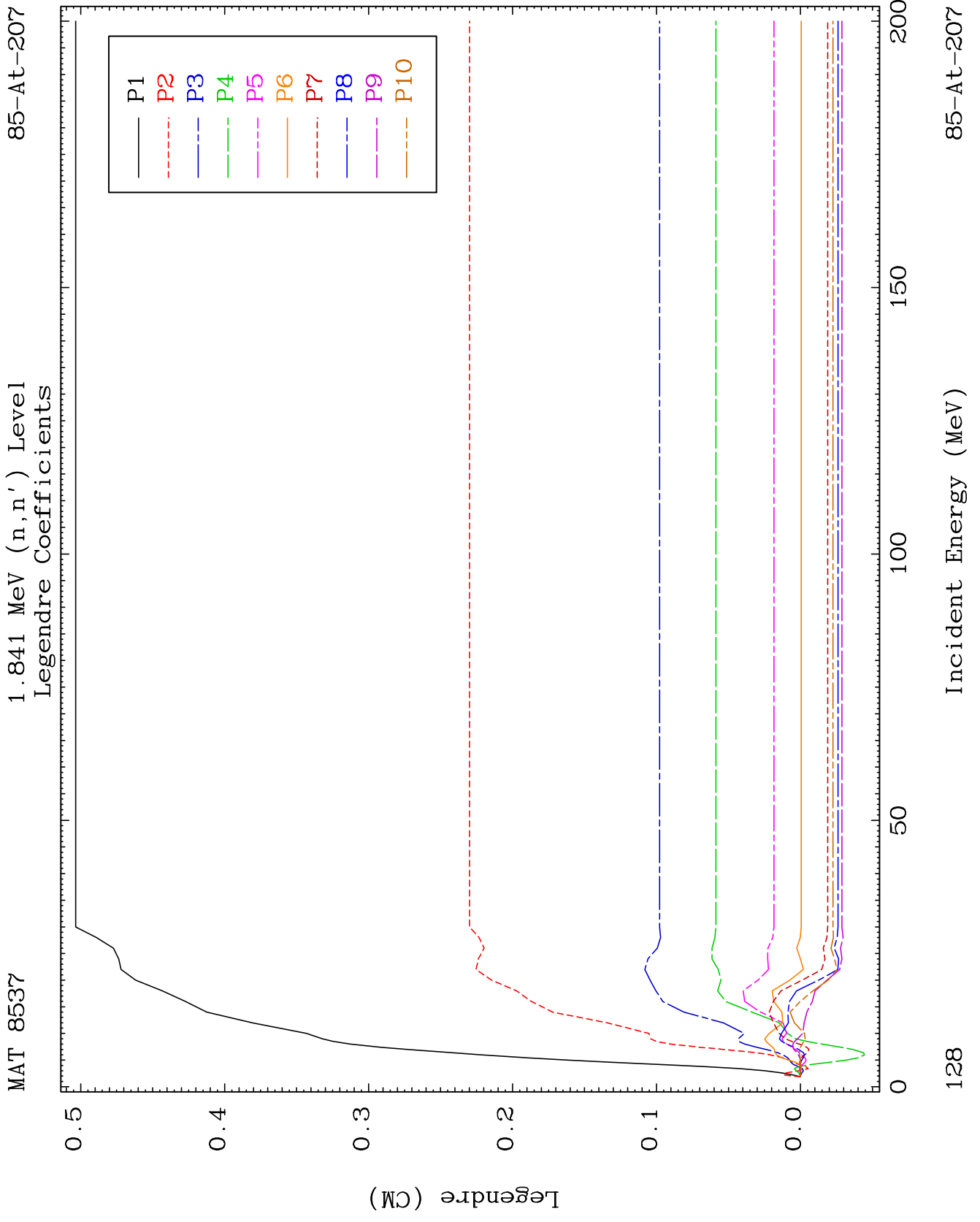
85-At-207

Incident Energy (MeV)

125



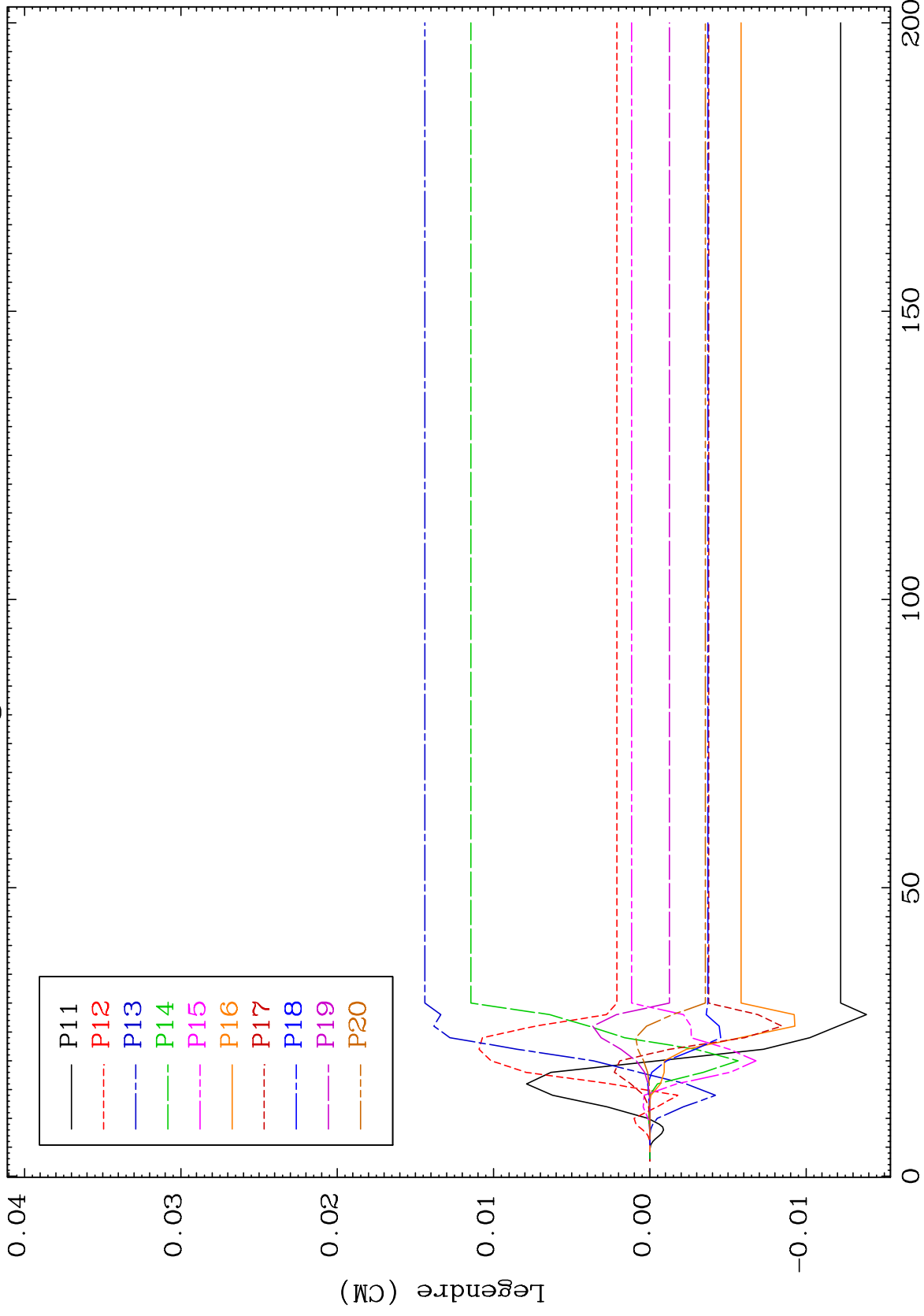




MAT 8537

1.841 MeV (n,n') Level
Legendre Coefficients

85-At-207



85-At-207

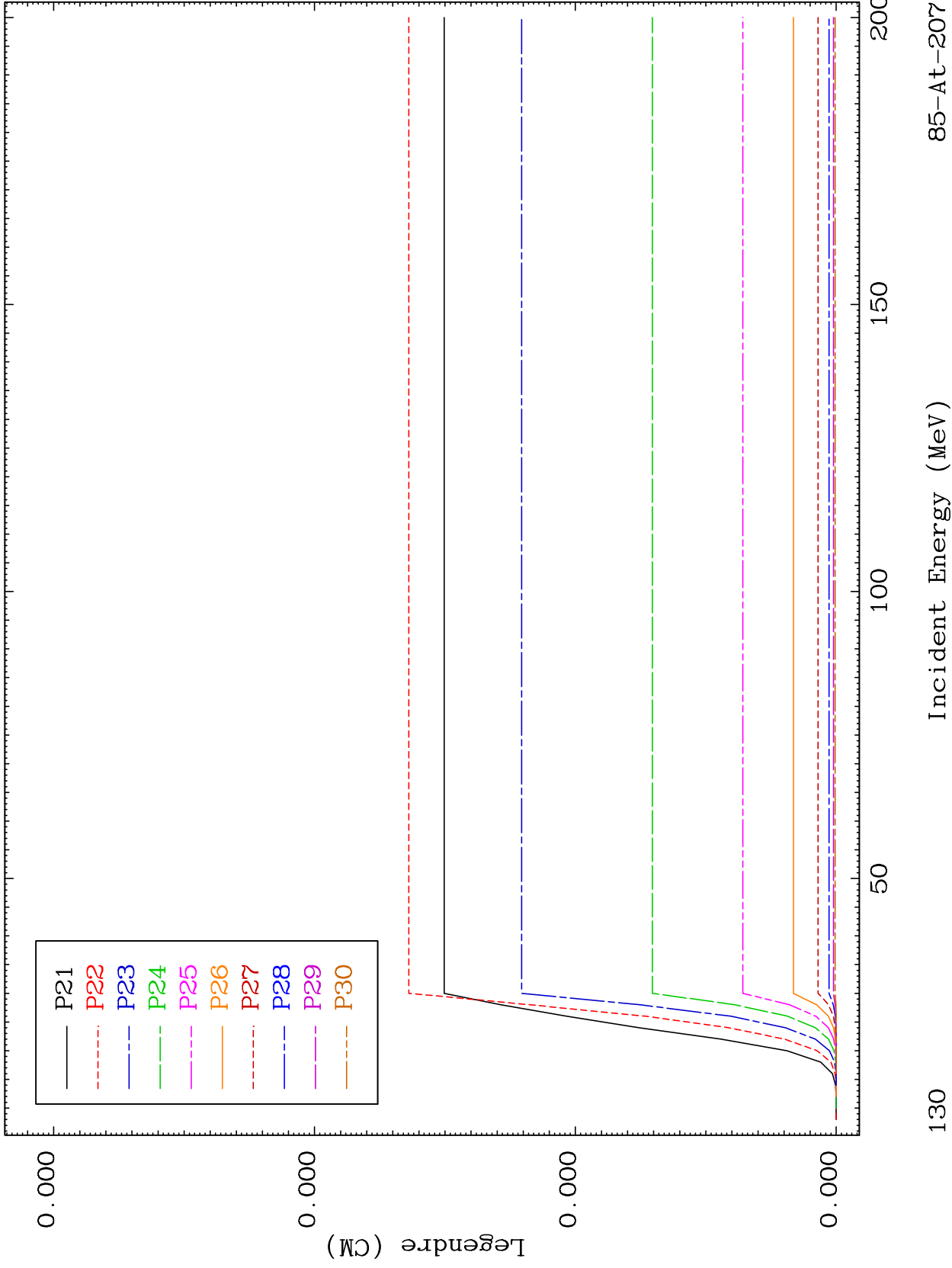
Incident Energy (MeV)

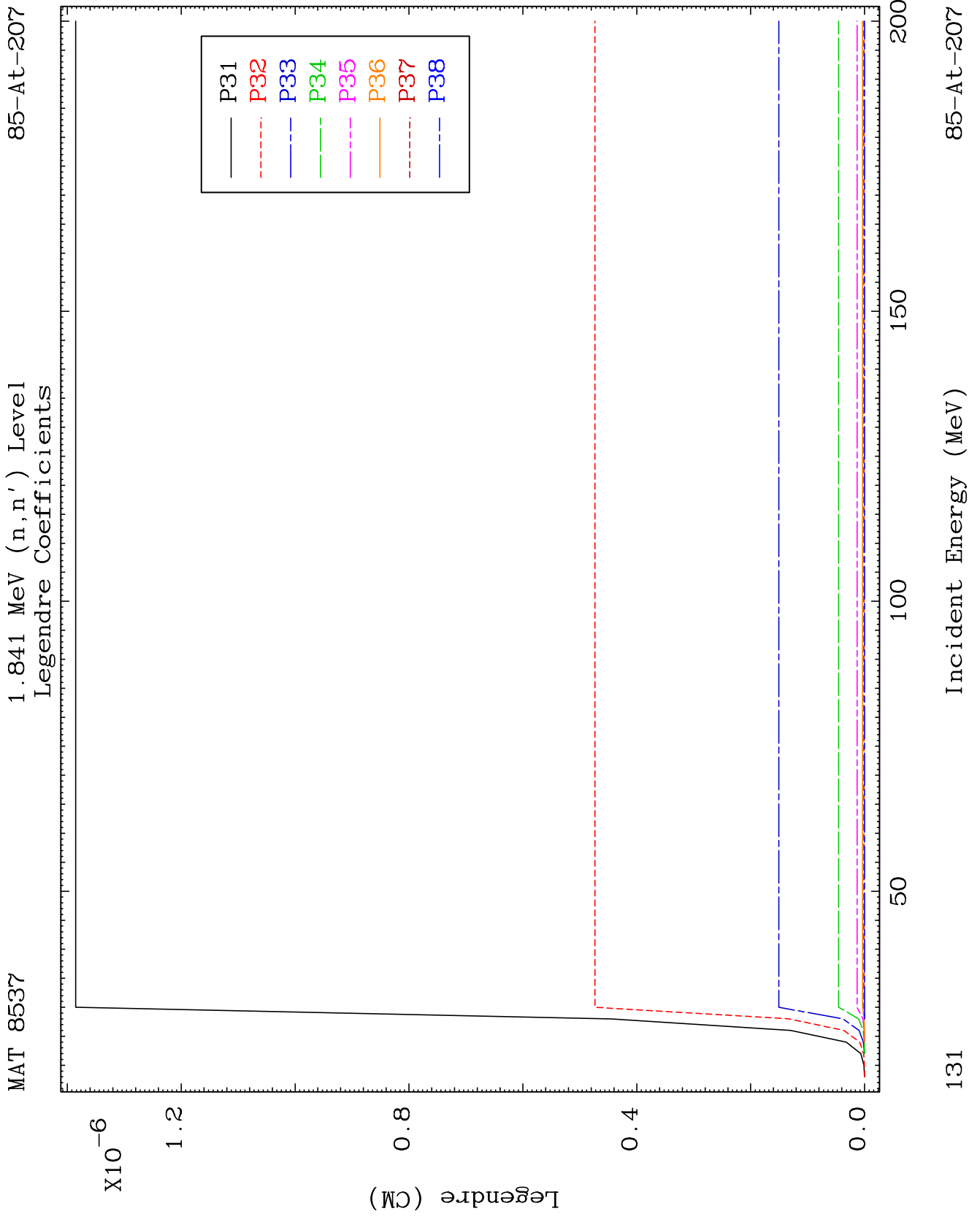
129

MAT 8537

1.841 MeV (n,n') Level
Legendre Coefficients

85-At-207



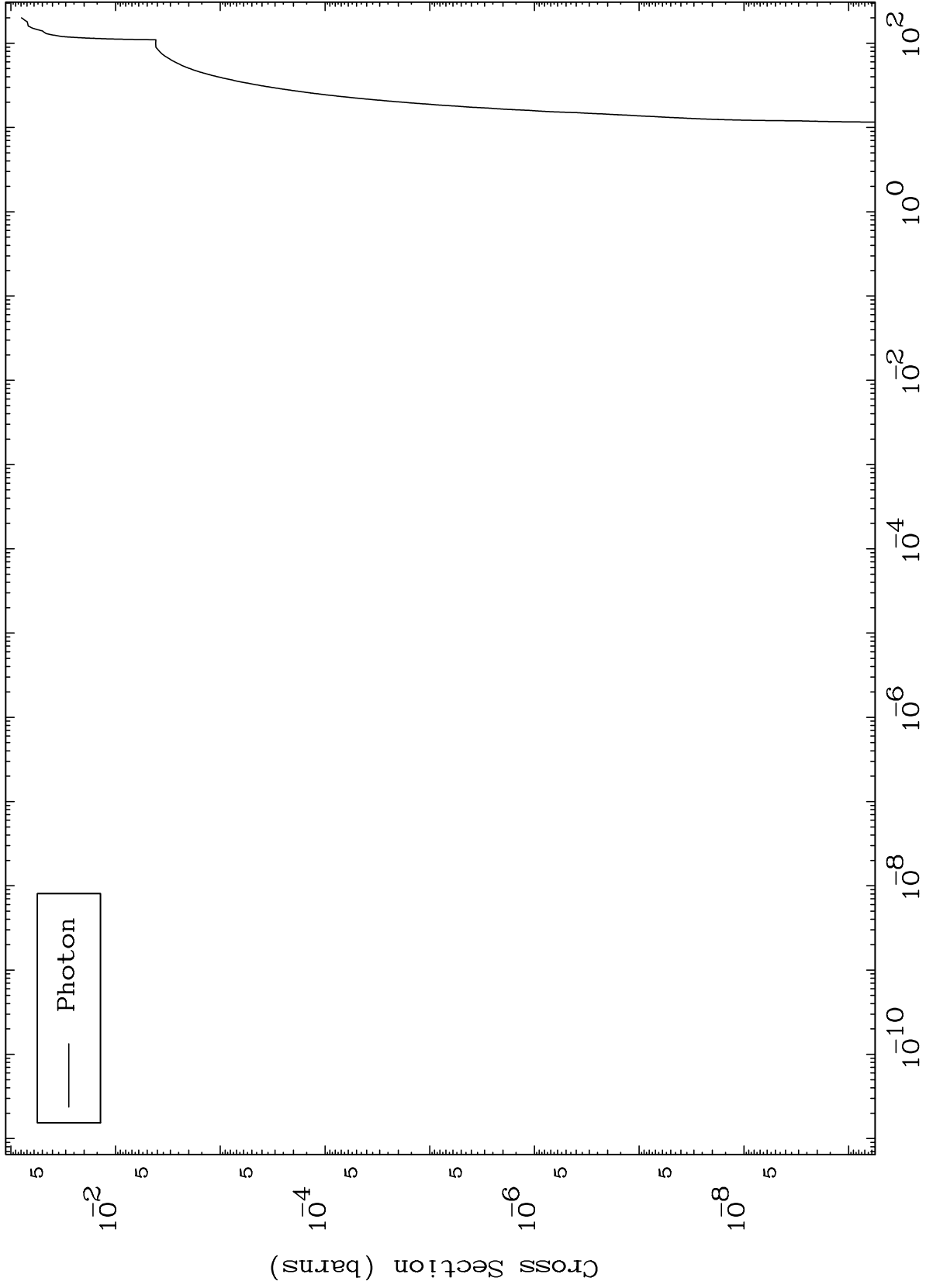


MAT 8537

Fission

85-At-207

Radionuclide Production Cross Section



132

Incident Energy (MeV)

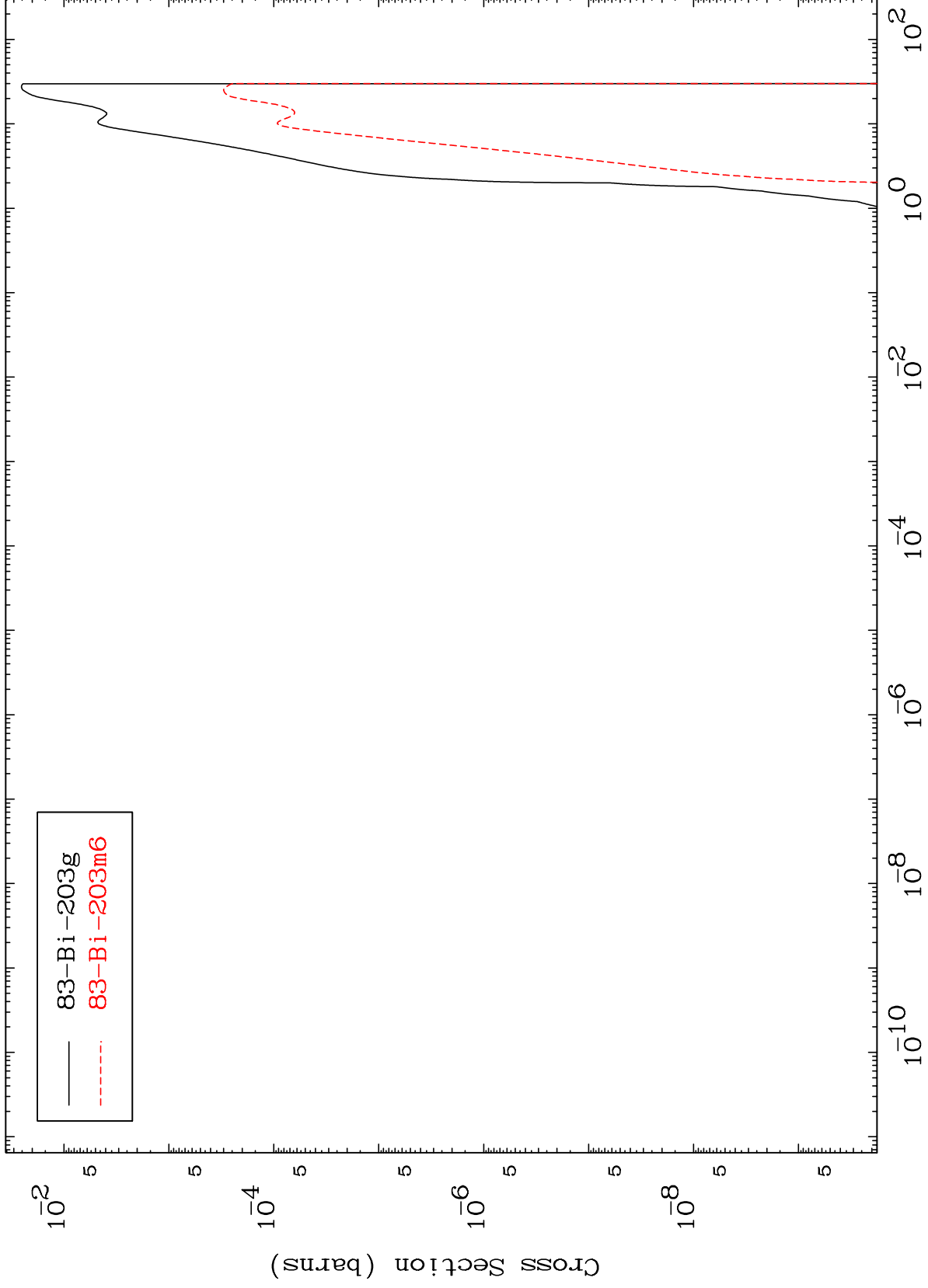
85-At-207

MAT 8537

$(n, n') \alpha$

85-At-207

Radionuclide Production Cross Section

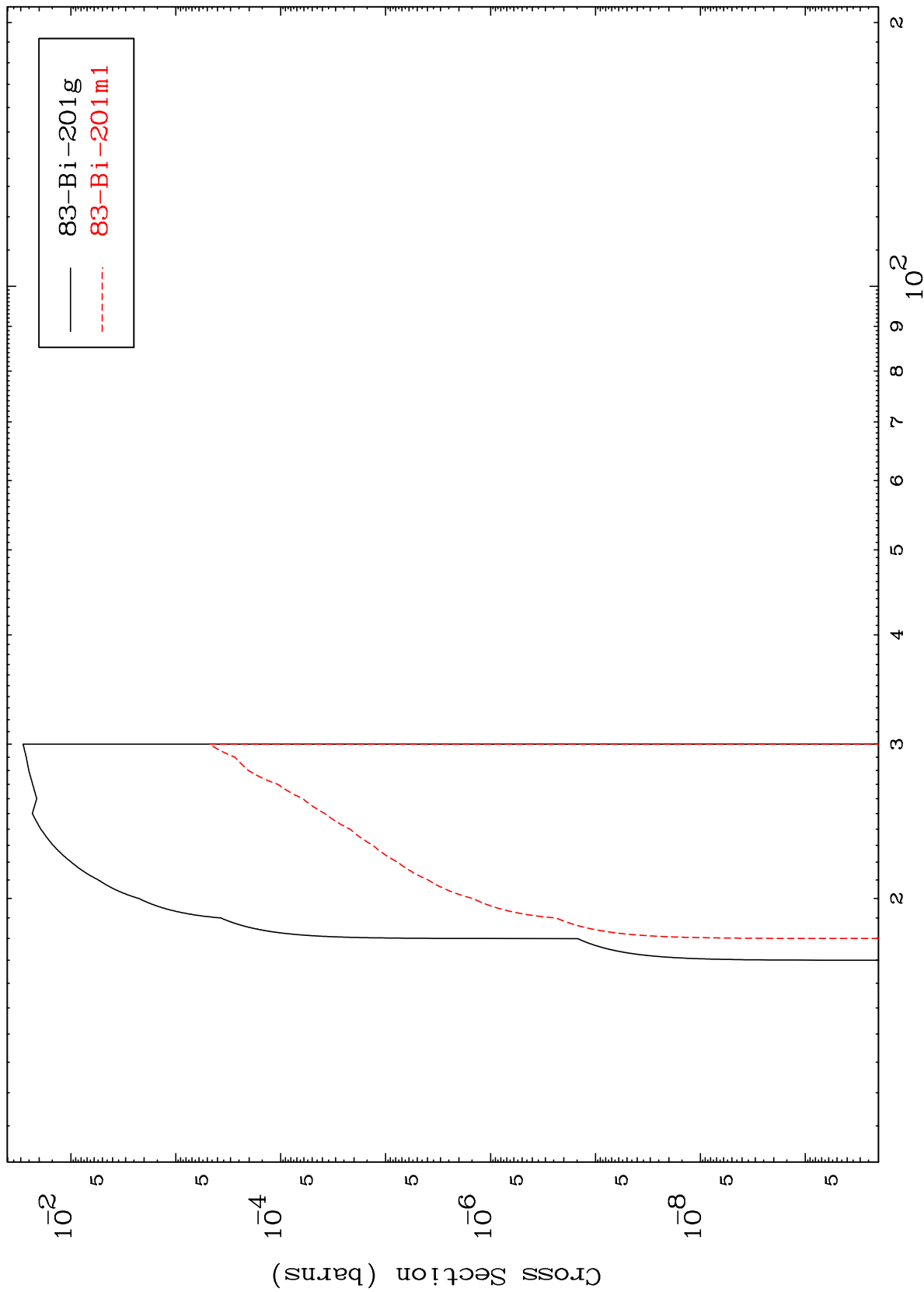


MAT 8537

(n,3n) α

85-At-207

Radionuclide Production Cross Section



134

Incident Energy (MeV)

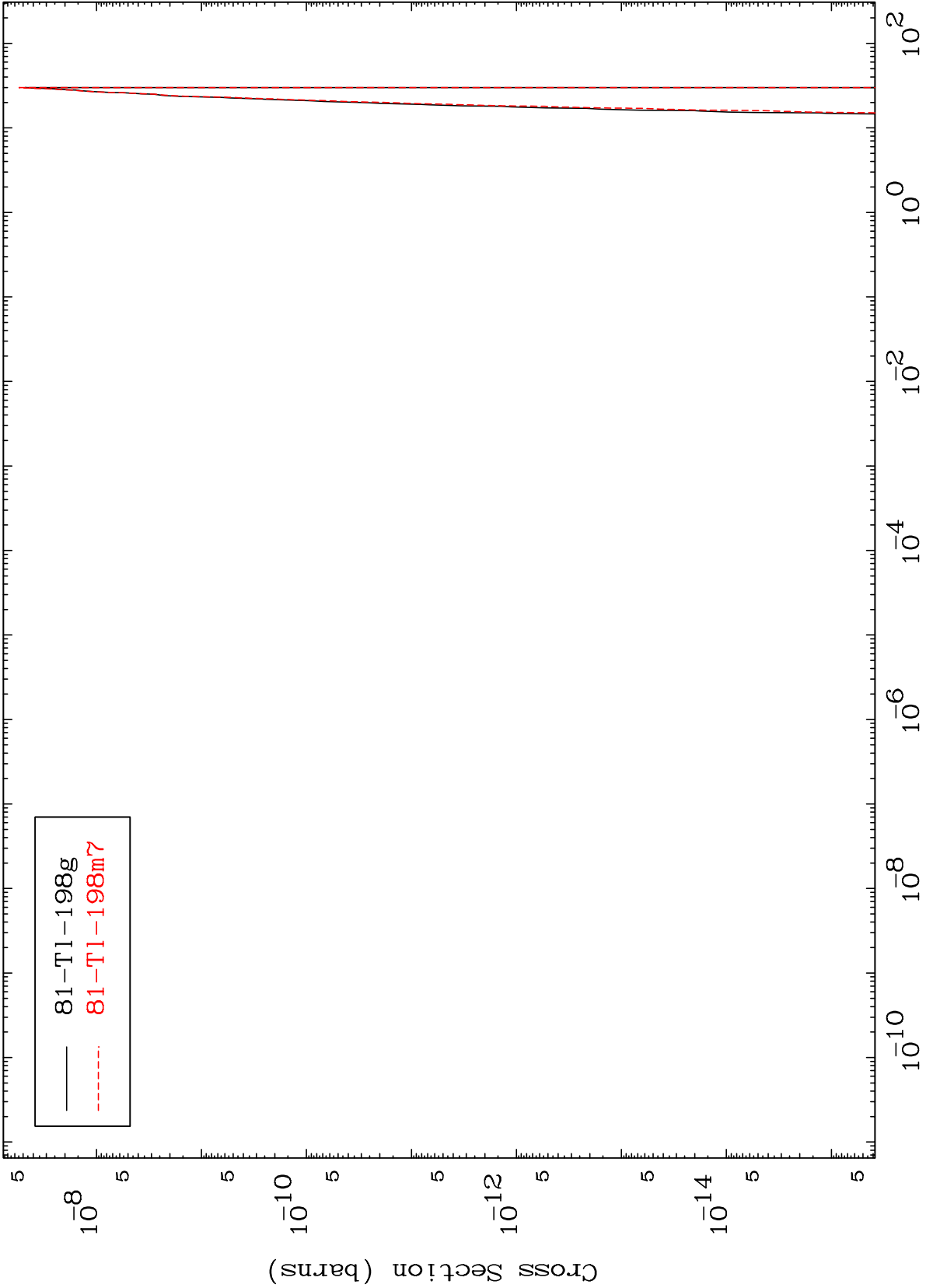
85-At-207

MAT 8537

(n,2n) 2 α

85-At-207

Radionuclide Production Cross Section



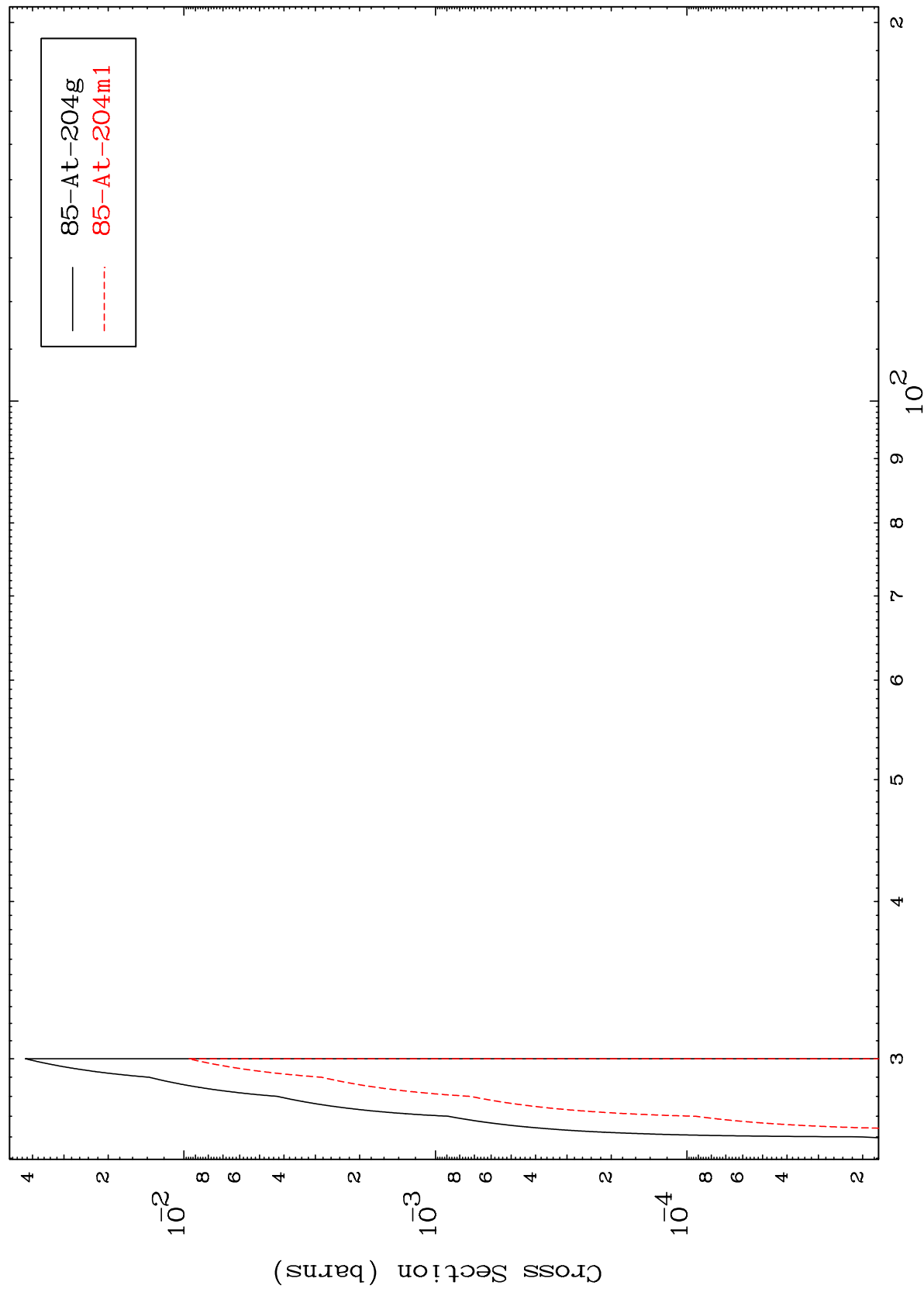
81-Tl-198g
81-Tl-198m7

135

Incident Energy (MeV)

85-At-207

(n,4n)
Radionuclide Production Cross Section

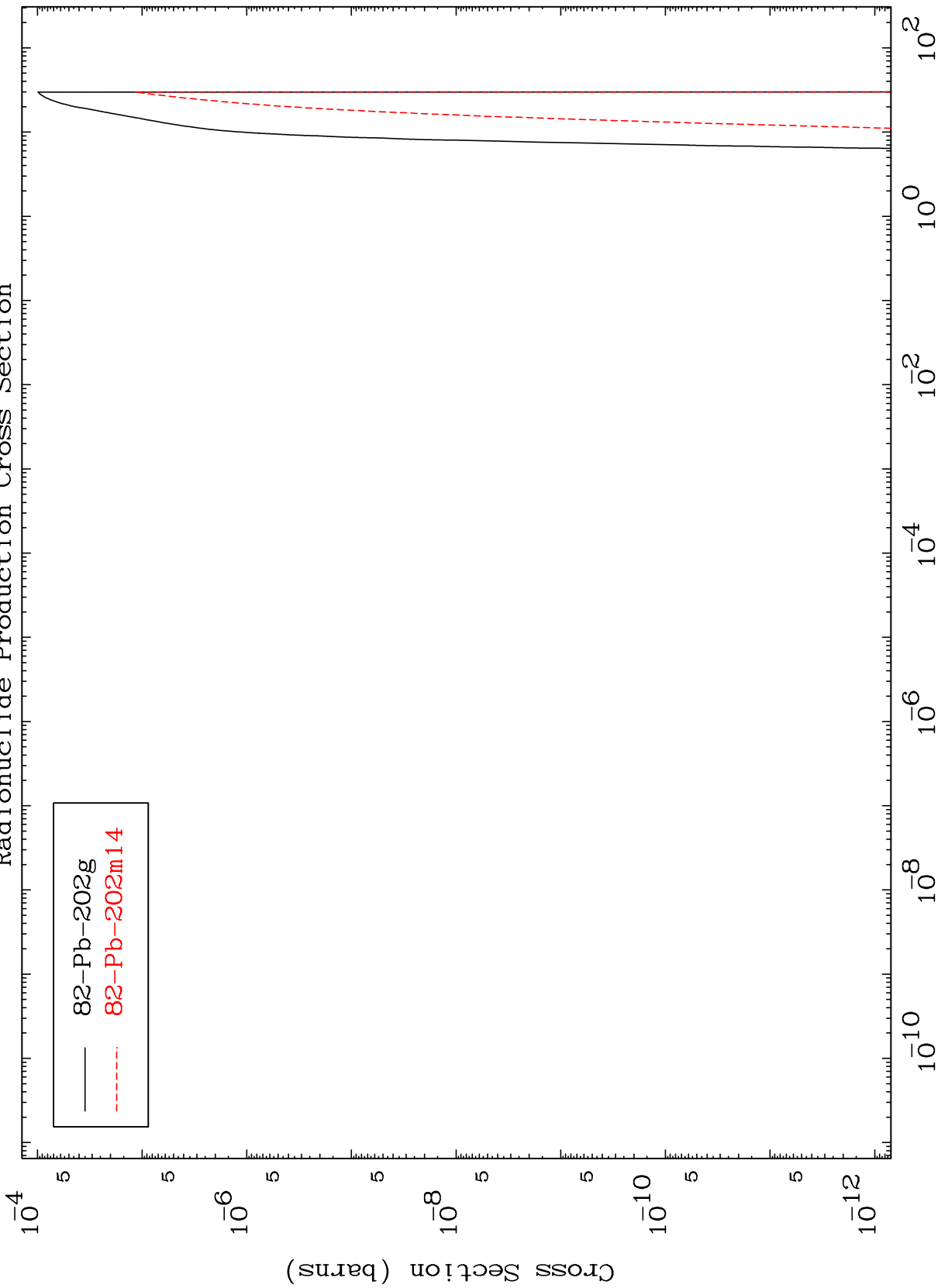


MAT 8537

(n,n') p α

85-At-207

Radionuclide Production Cross Section



— 82-Pb-202g
- - - 82-Pb-202m14

137

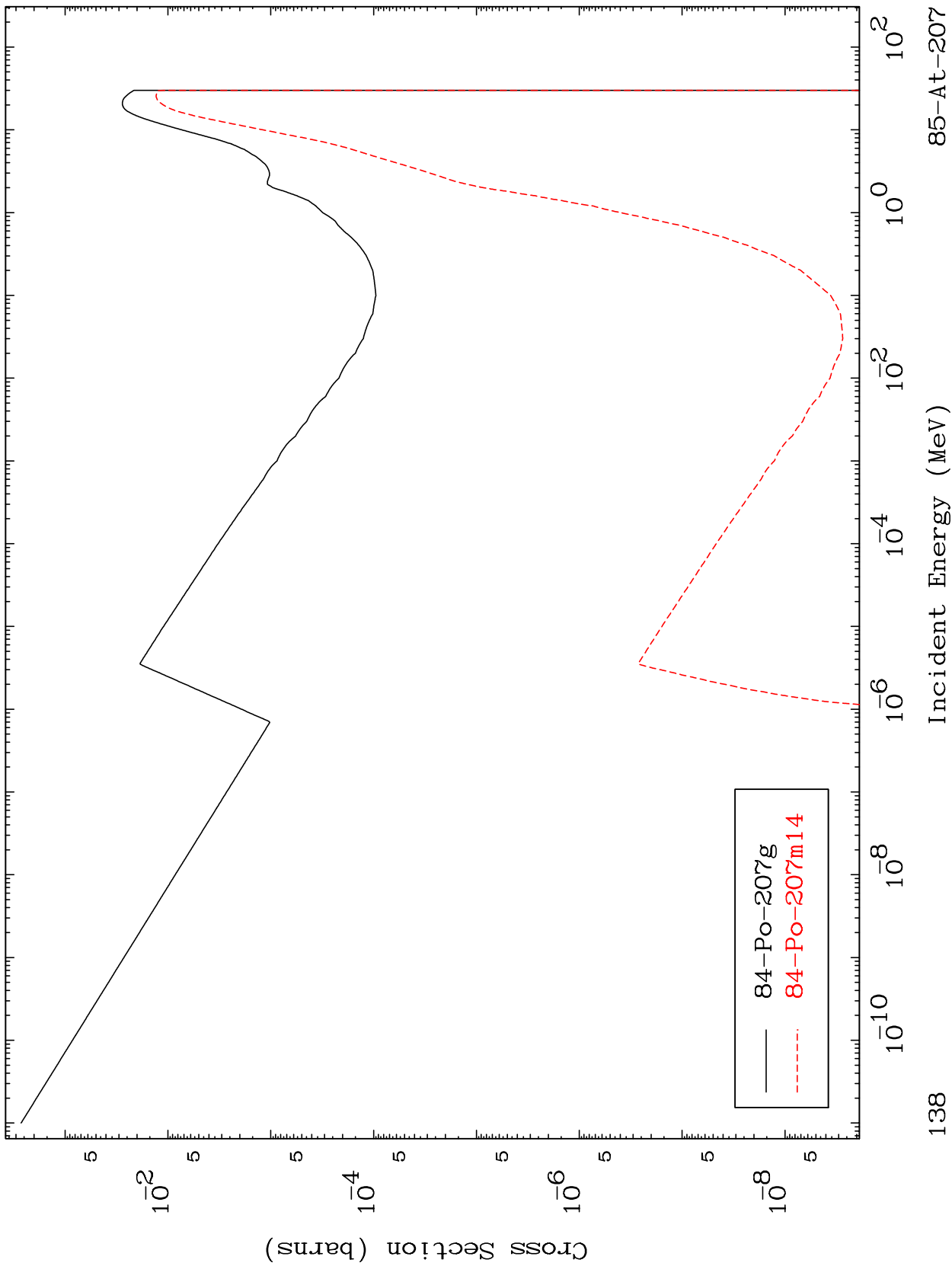
Incident Energy (MeV)

85-At-207

MAT 8537

85-At-207

Radionuclide Production Cross Section (n,p)

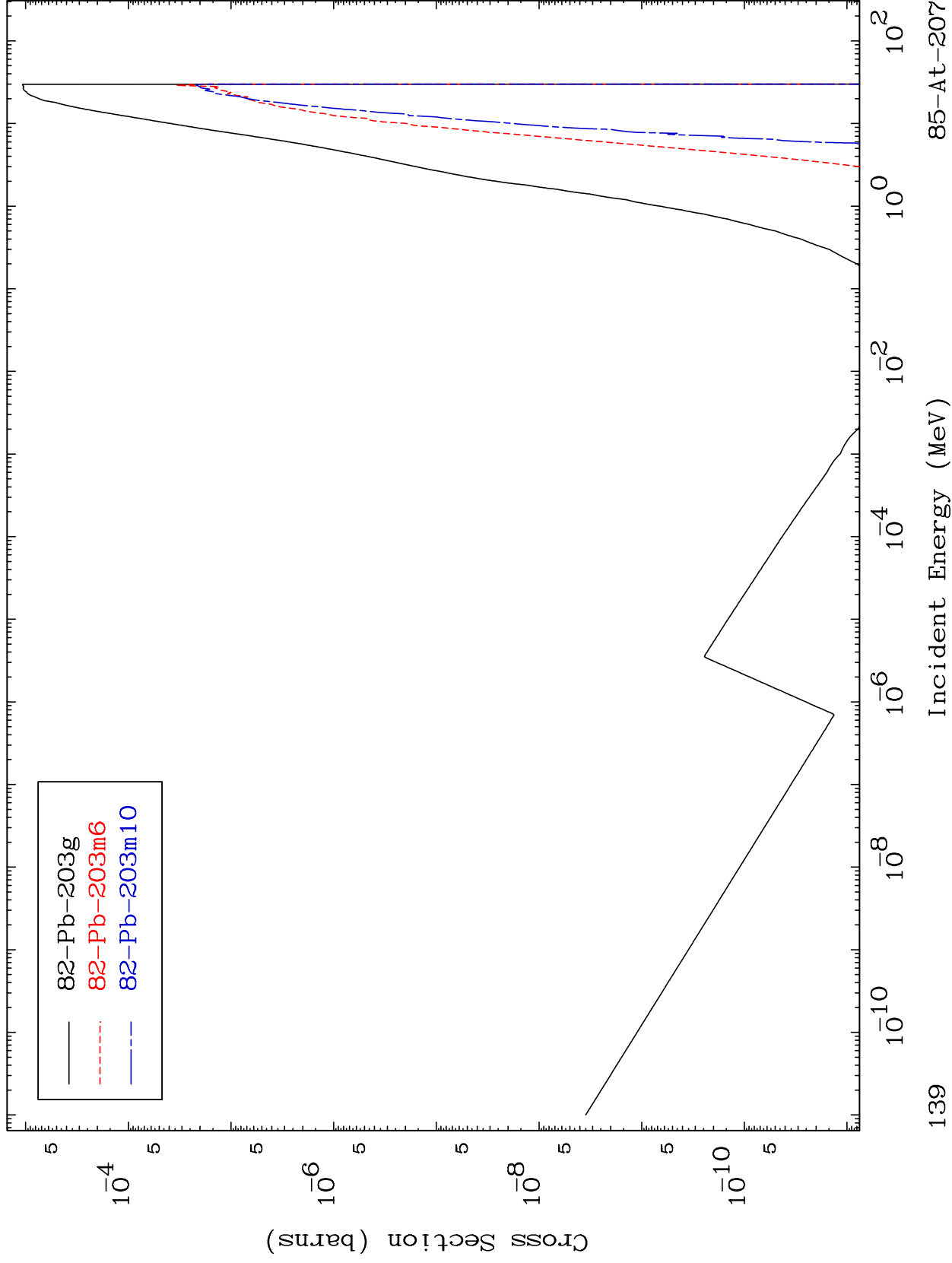


MAT 8537

(n,p) α

85-At-207

Radionuclide Production Cross Section



139

MAT 8537

(n,d) α

85-At-207

Radionuclide Production Cross Section

