

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

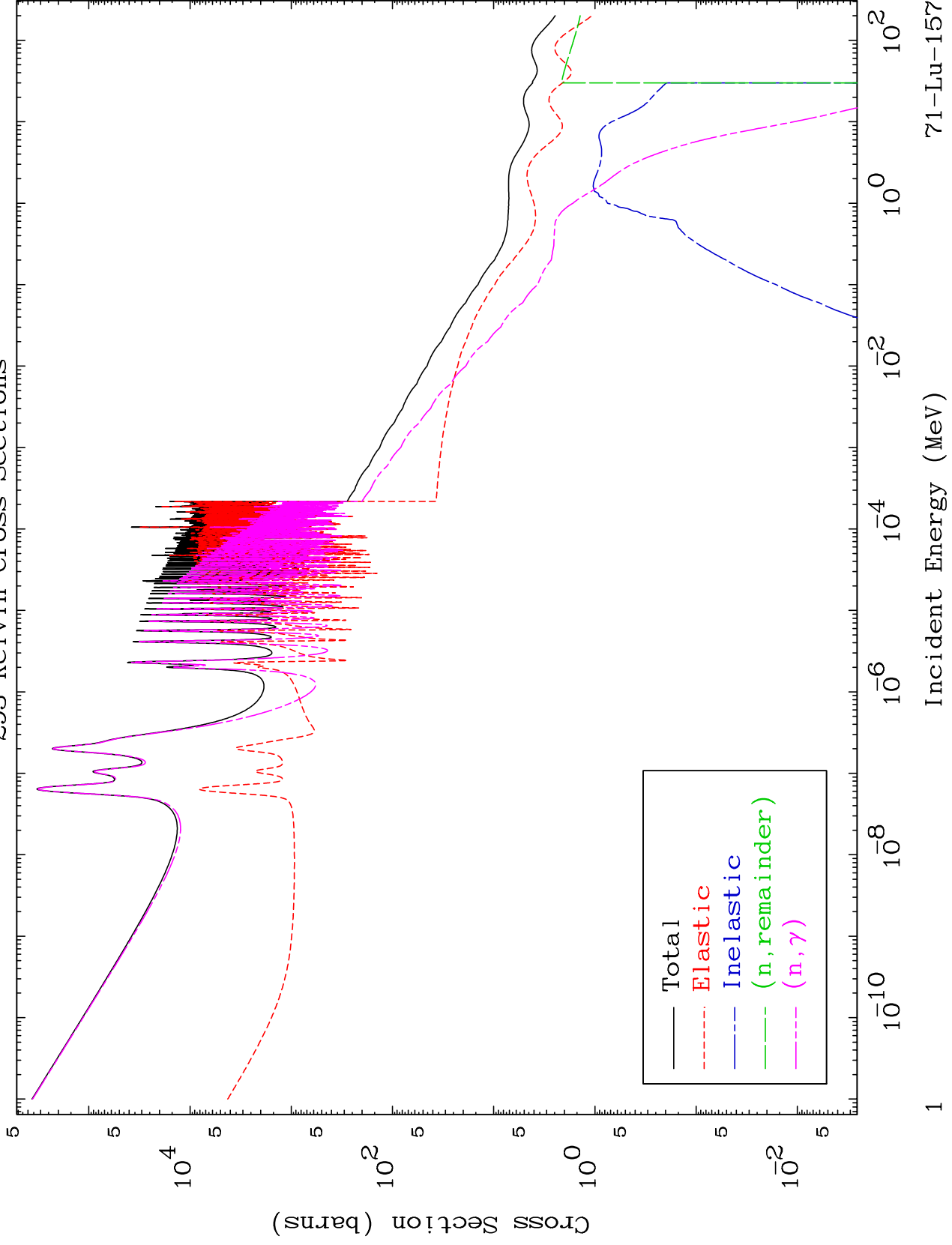
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7071

Major
293 Kelvin Cross Sections

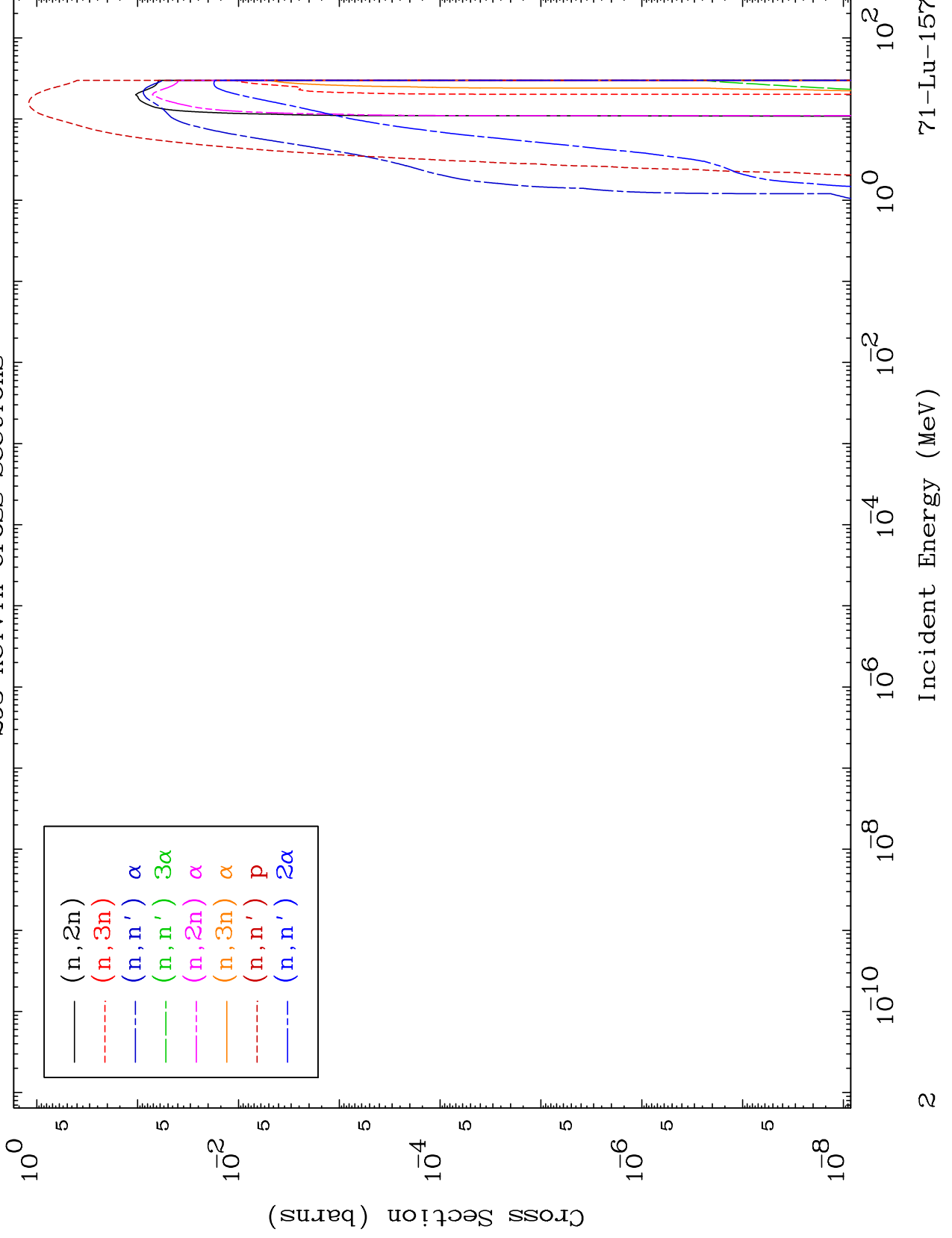
71-Lu-157

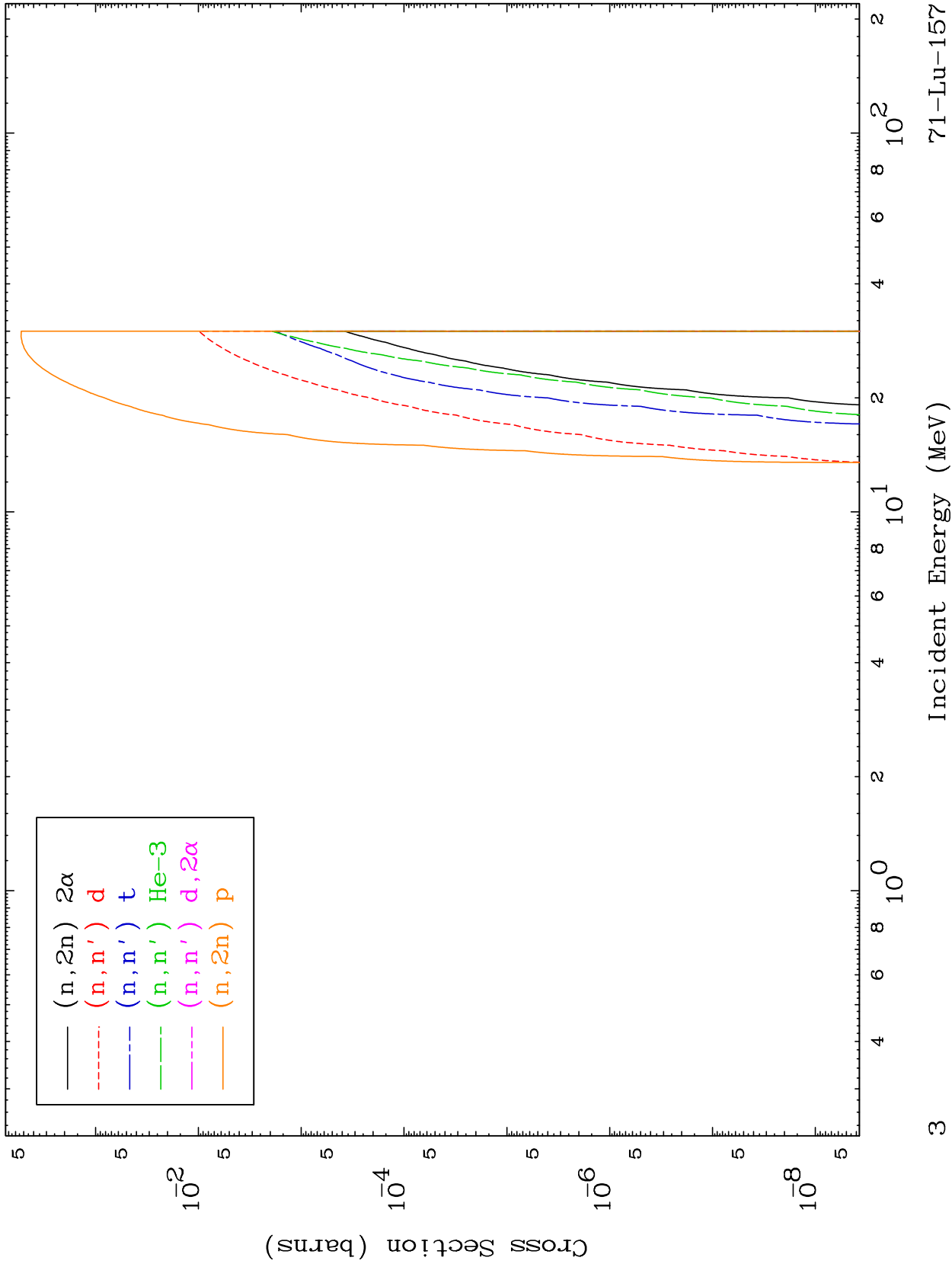


MAT 7071

Neutron Production
293 Kelvin Cross Sections

71-Lu-157

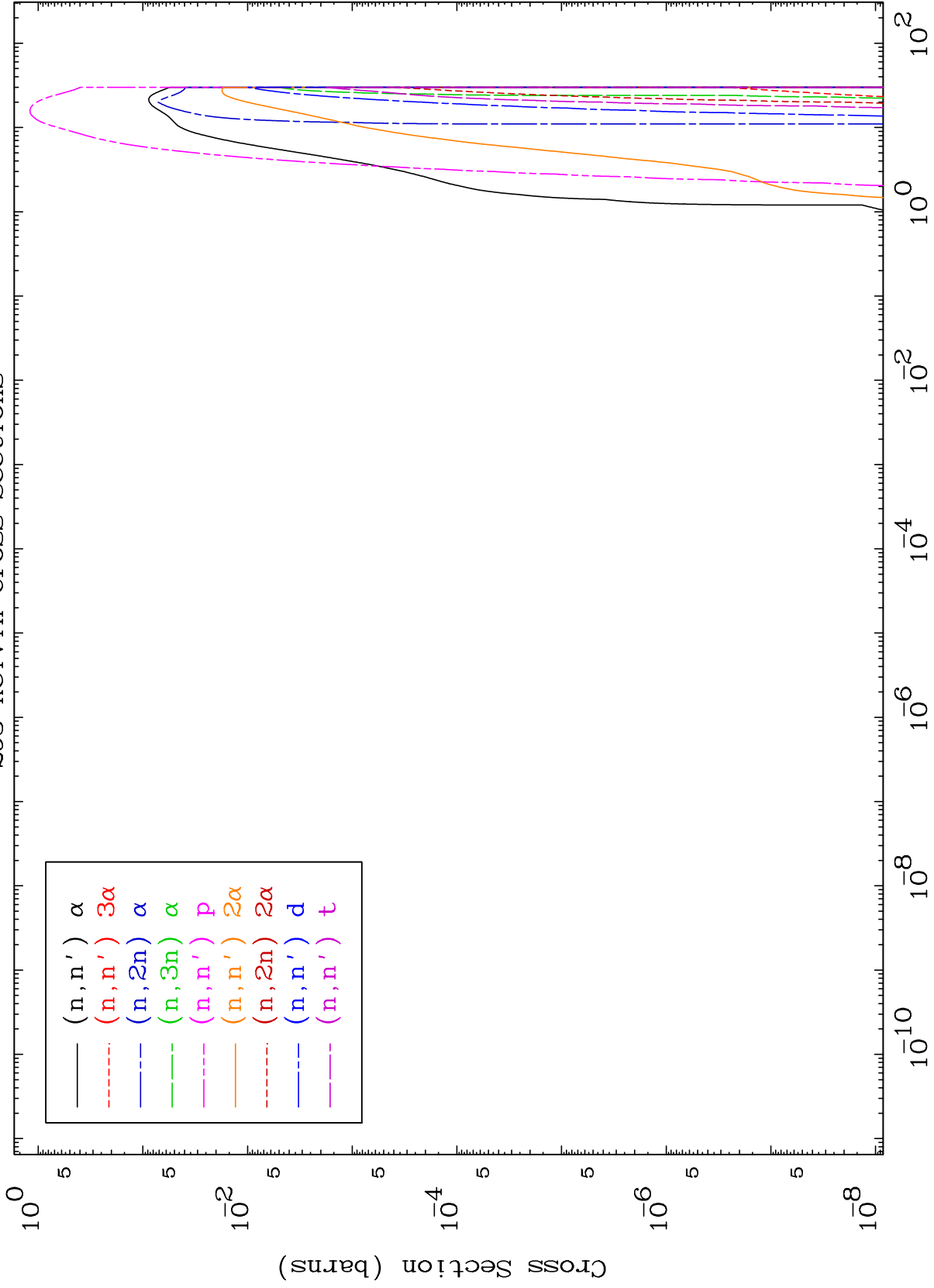




MAT 7071

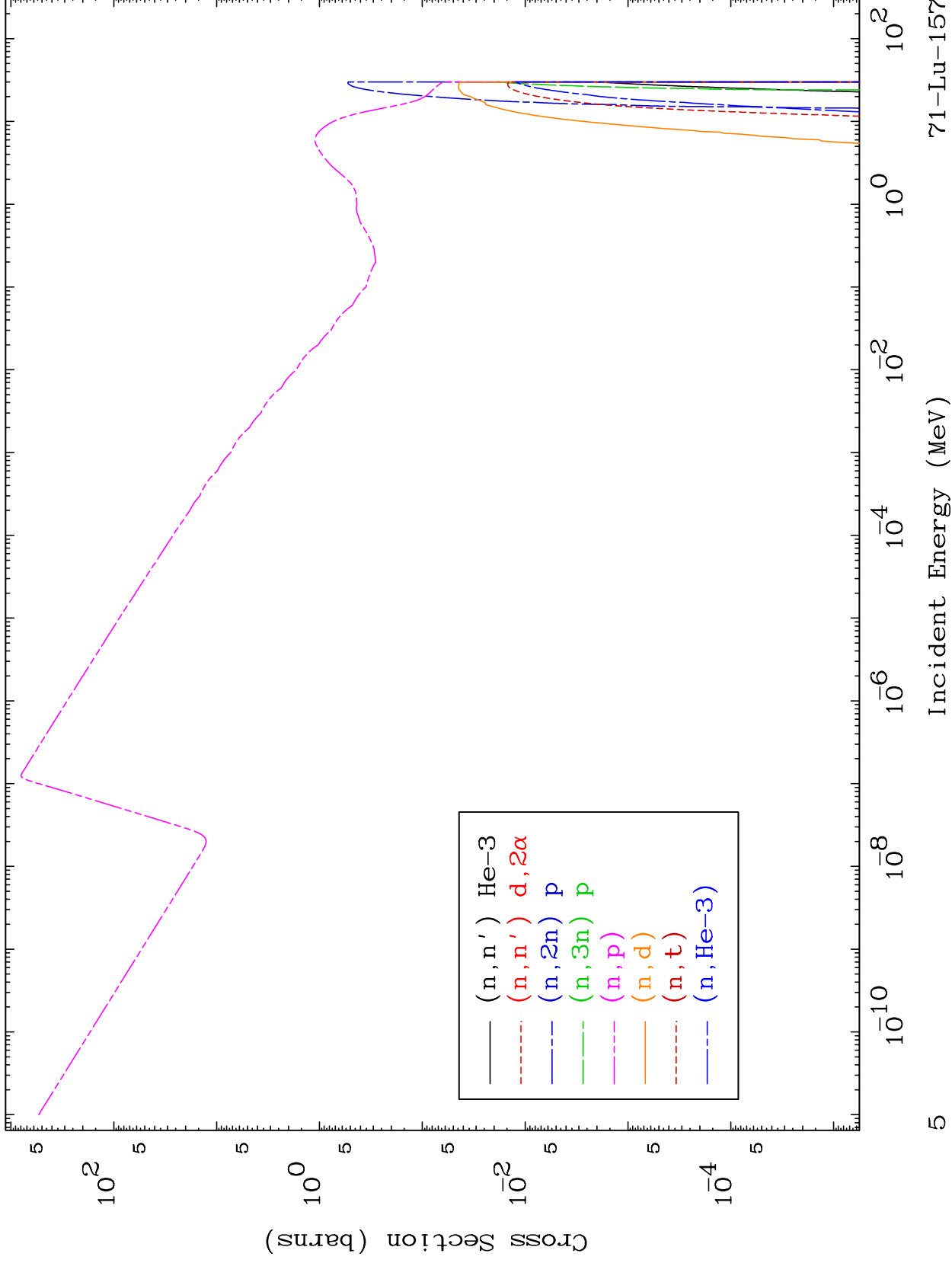
Charged Particle
293 Kelvin Cross Sections

71-Lu-157



71-Lu-157

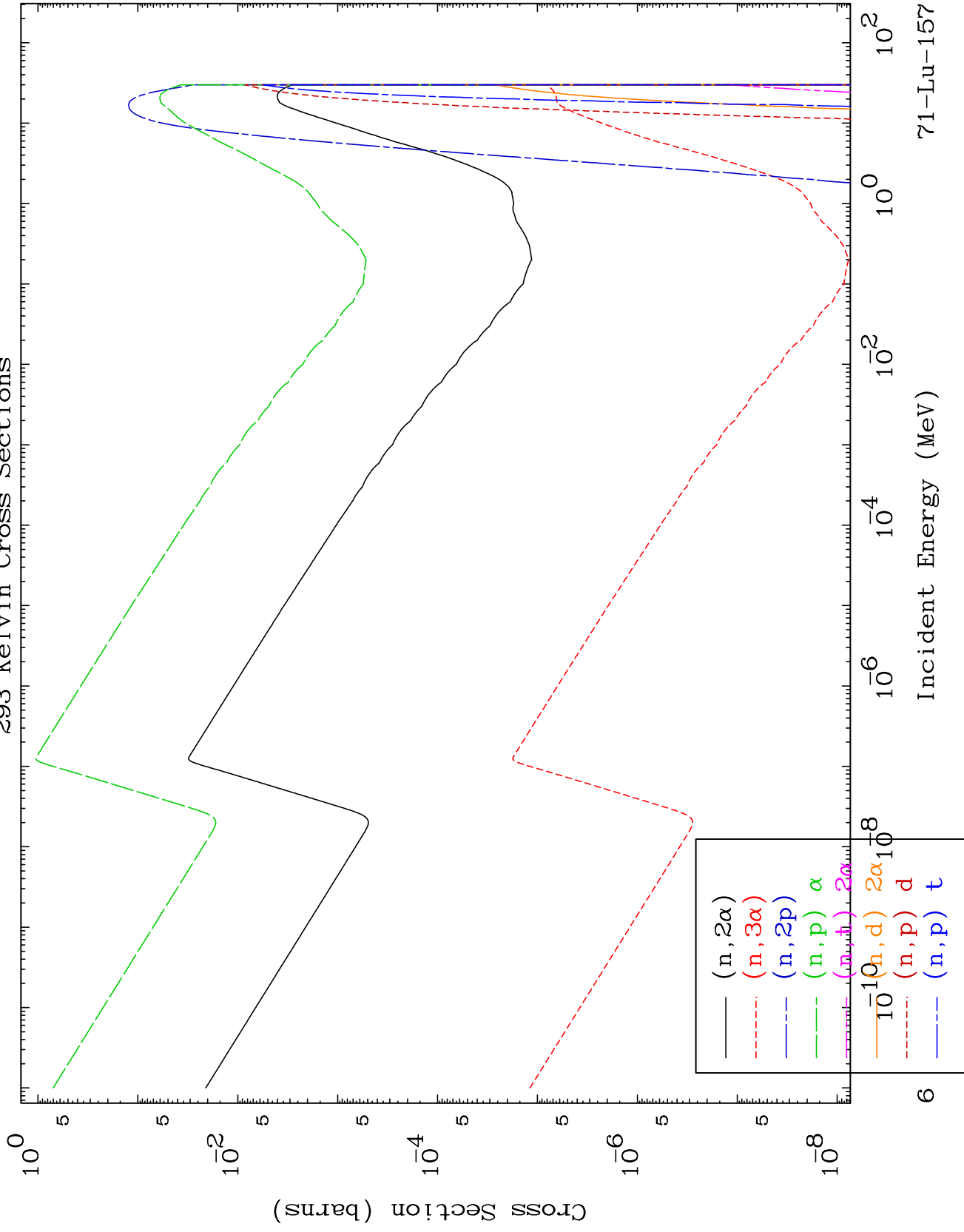
Incident Energy (MeV)

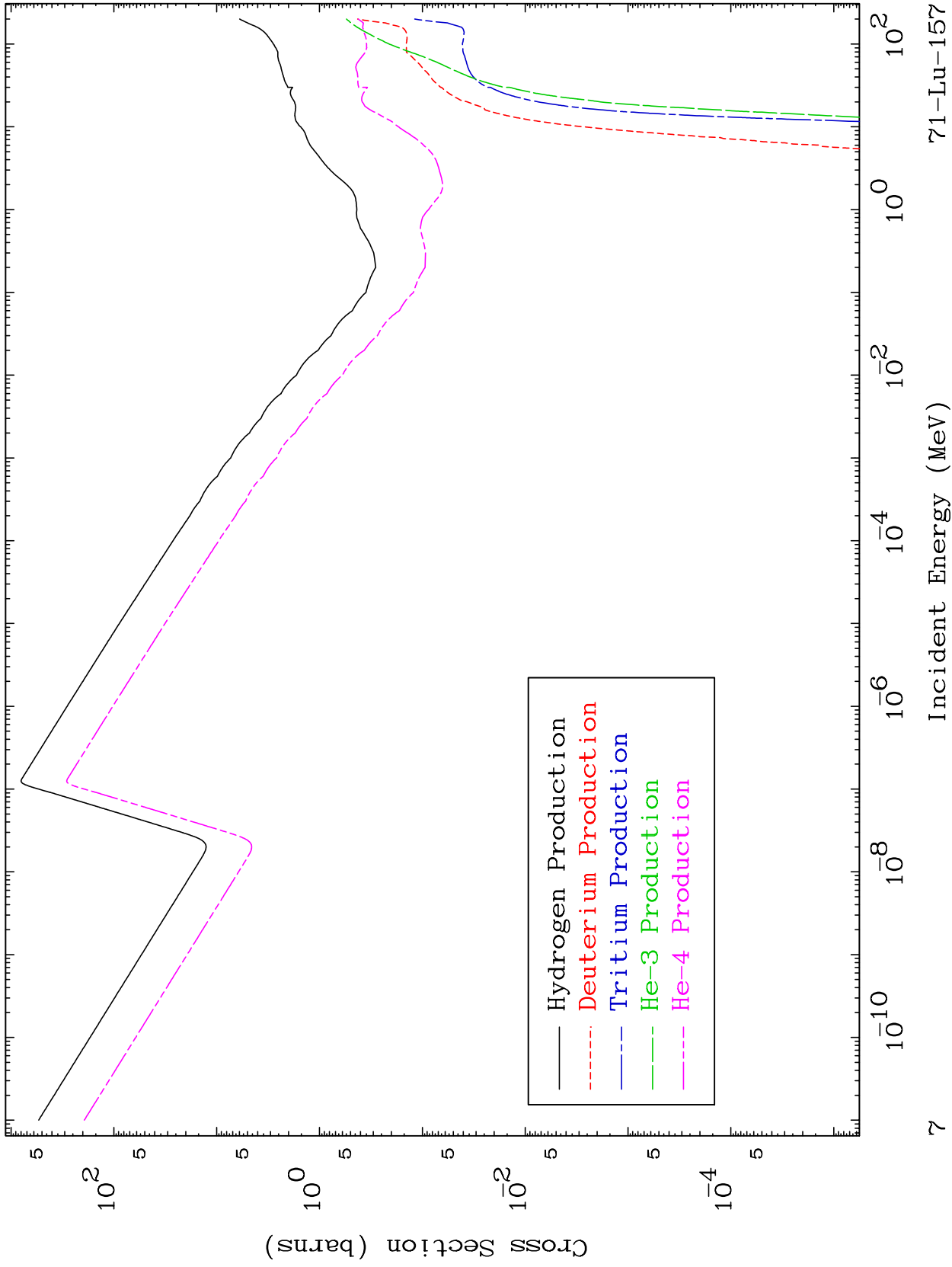


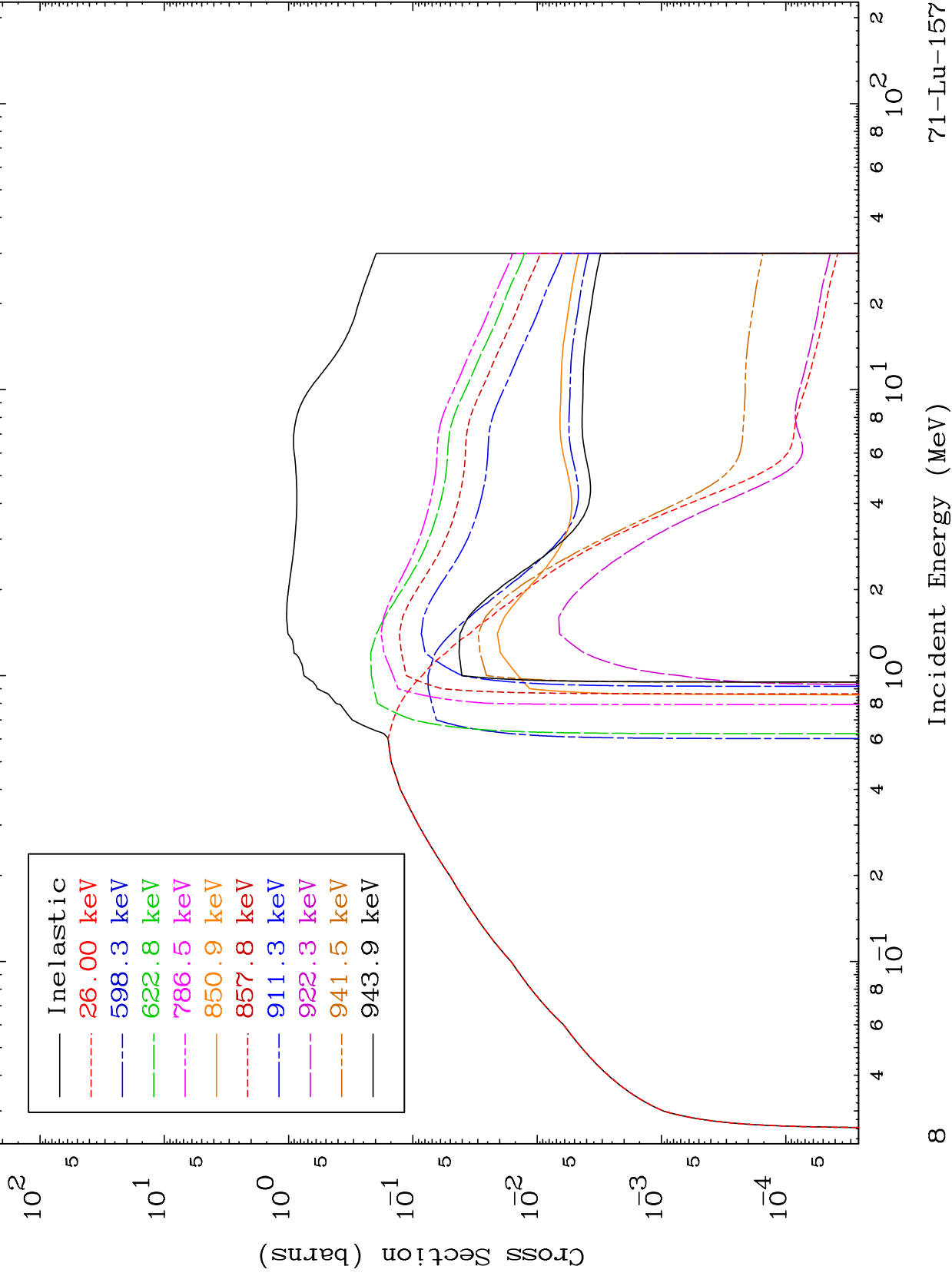
MAT 7071

Charged Particle
293 Kelvin Cross Sections

71-Lu-157



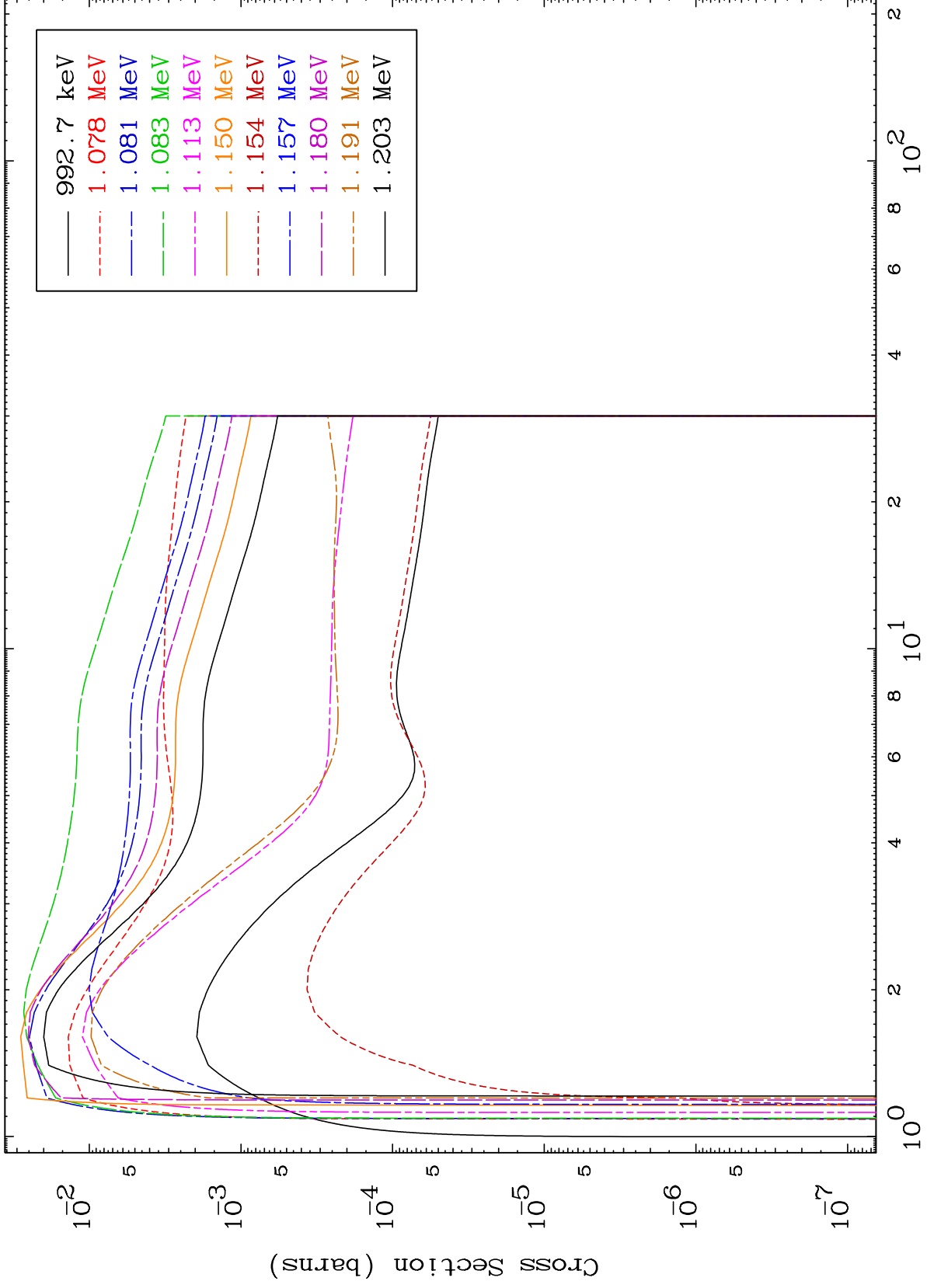




MAT 7071

(n,n') Level
293 Kelvin Cross Sections

71-Lu-157



Incident Energy (MeV)

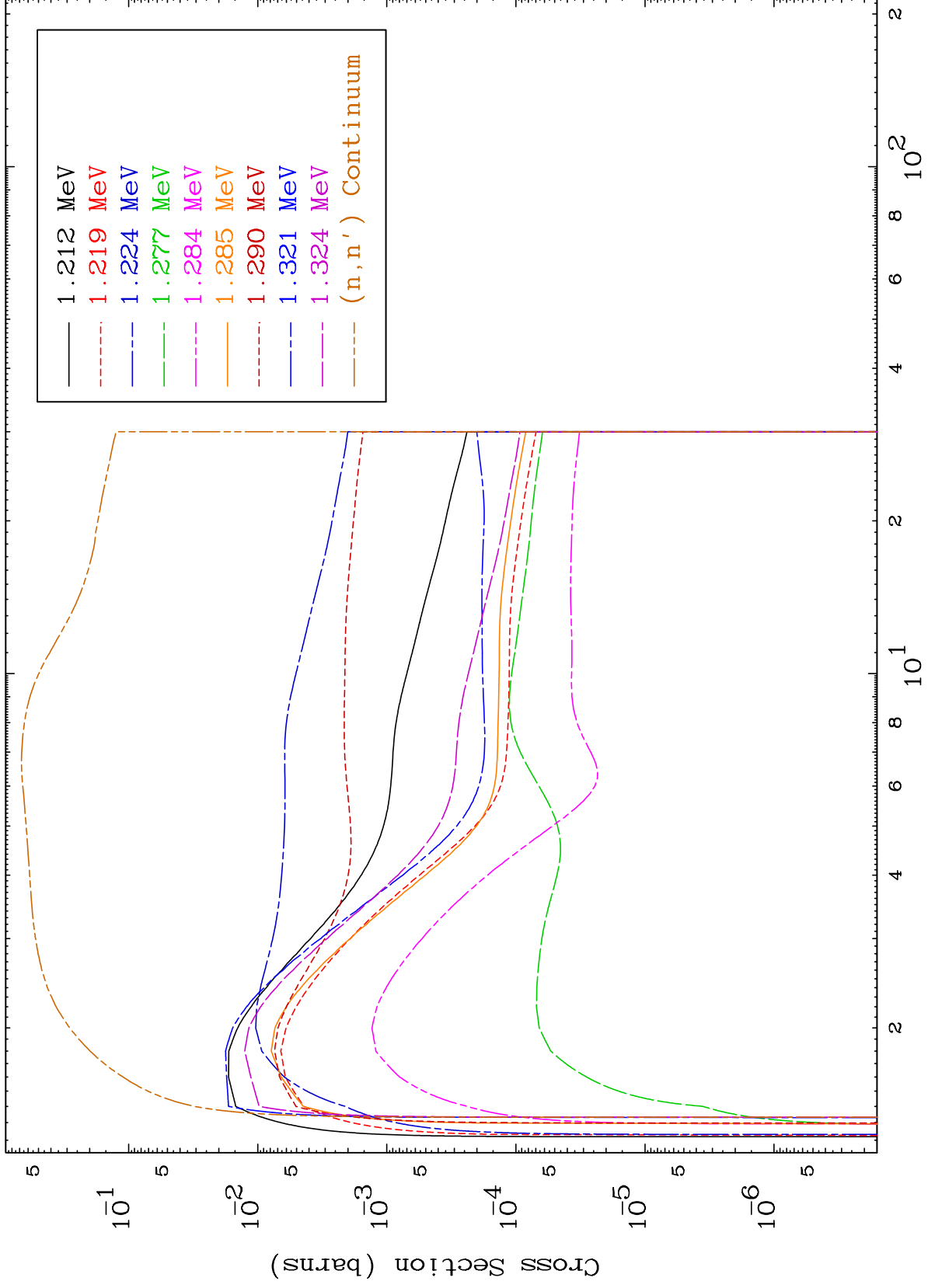
71-Lu-157

MAT 7071

(n,n') Level

71-Lu-157

293 Kelvin Cross Sections



10

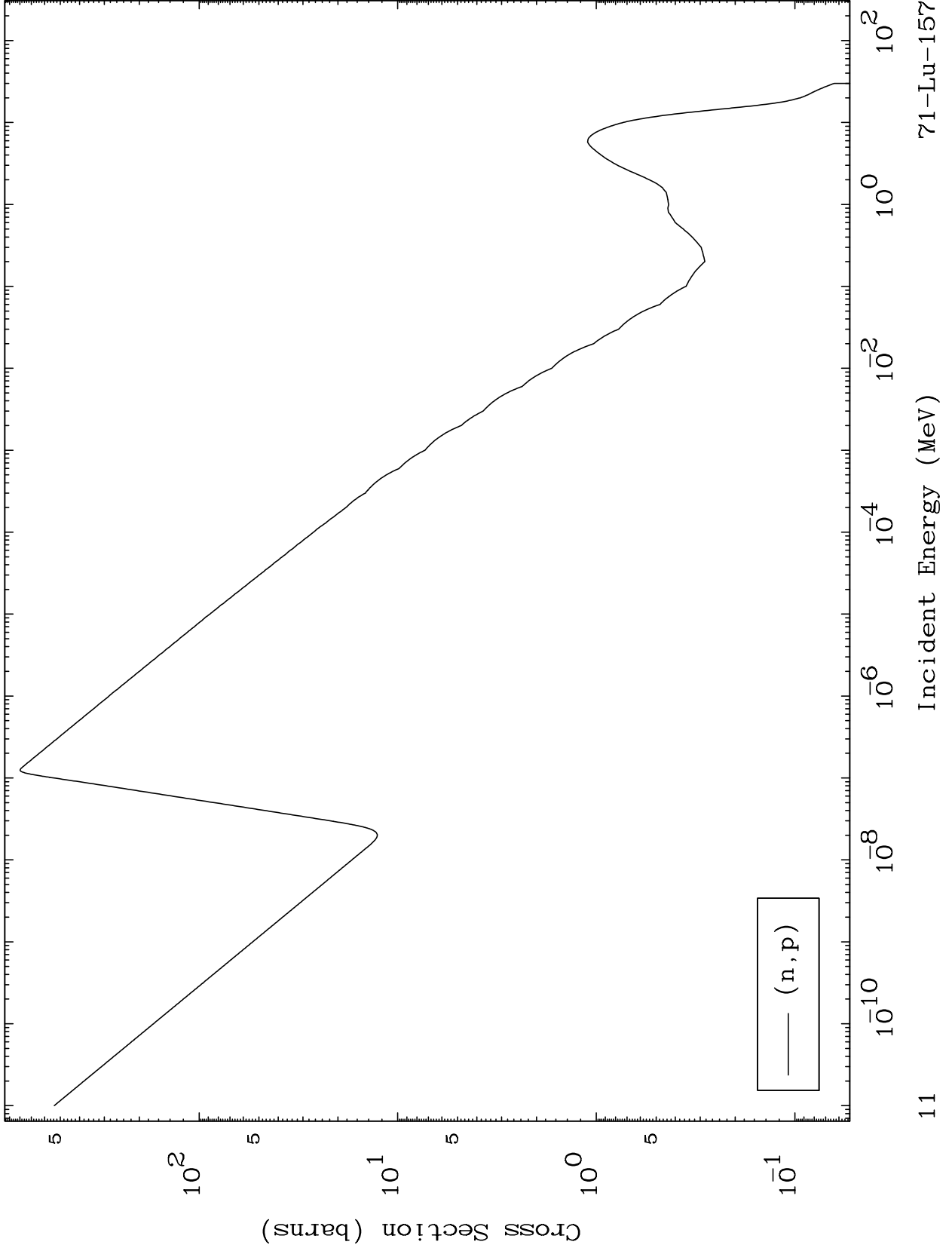
Incident Energy (MeV)

71-Lu-157

MAT 7071

(n,p) Levels
293 Kelvin Cross Sections

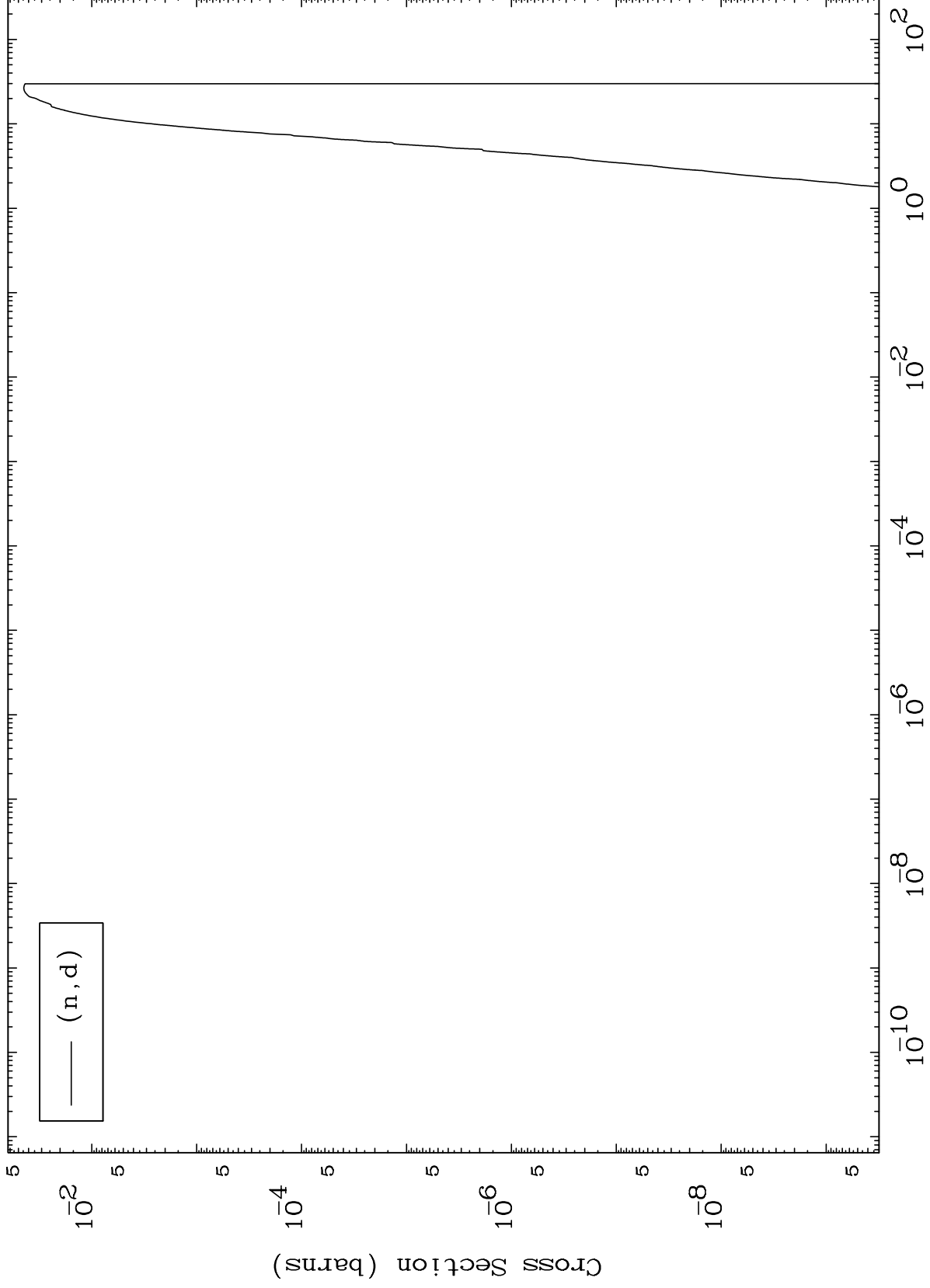
71-Lu-157



MAT 7071

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-157



12

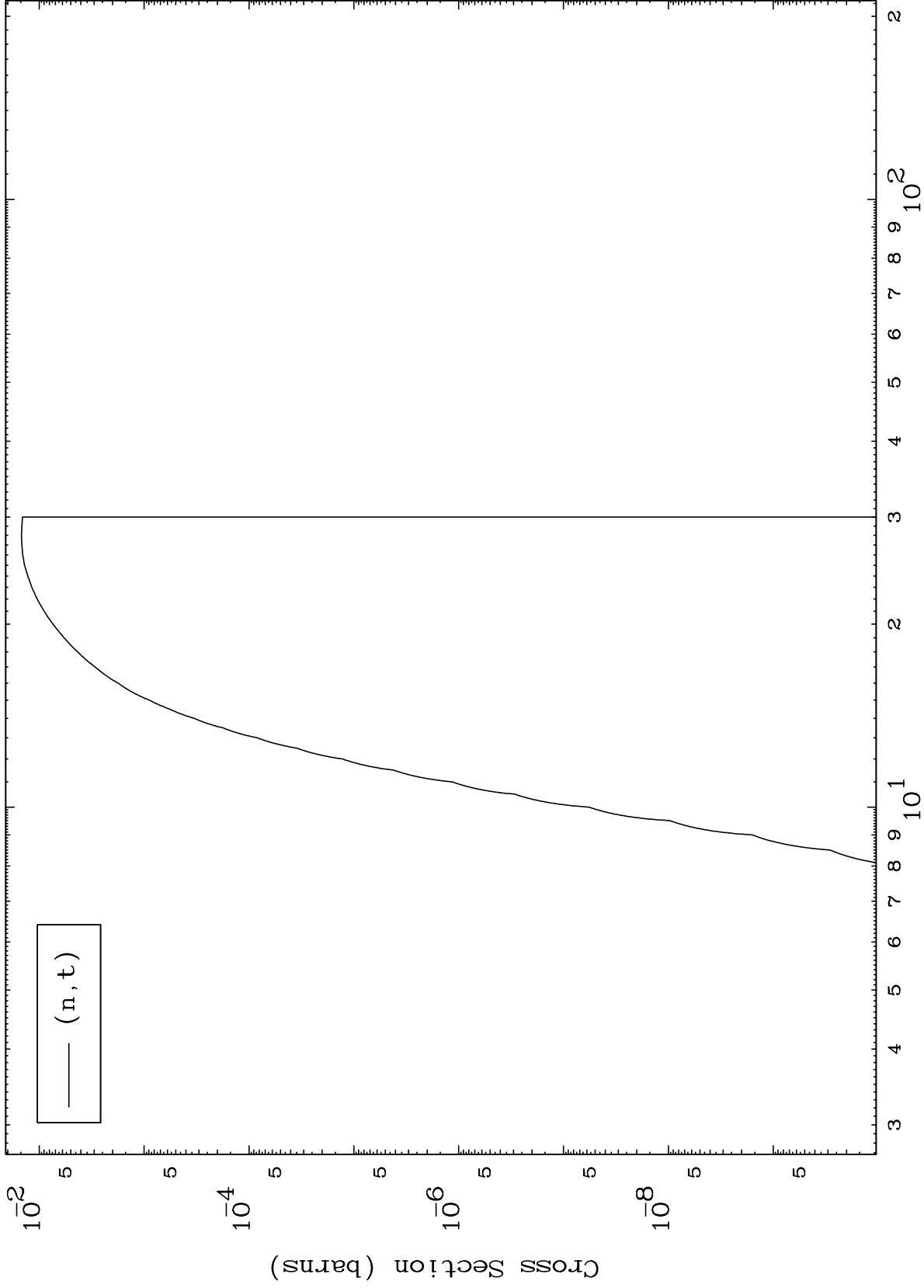
Incident Energy (MeV)

71-Lu-157

MAT 7071

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-157



13

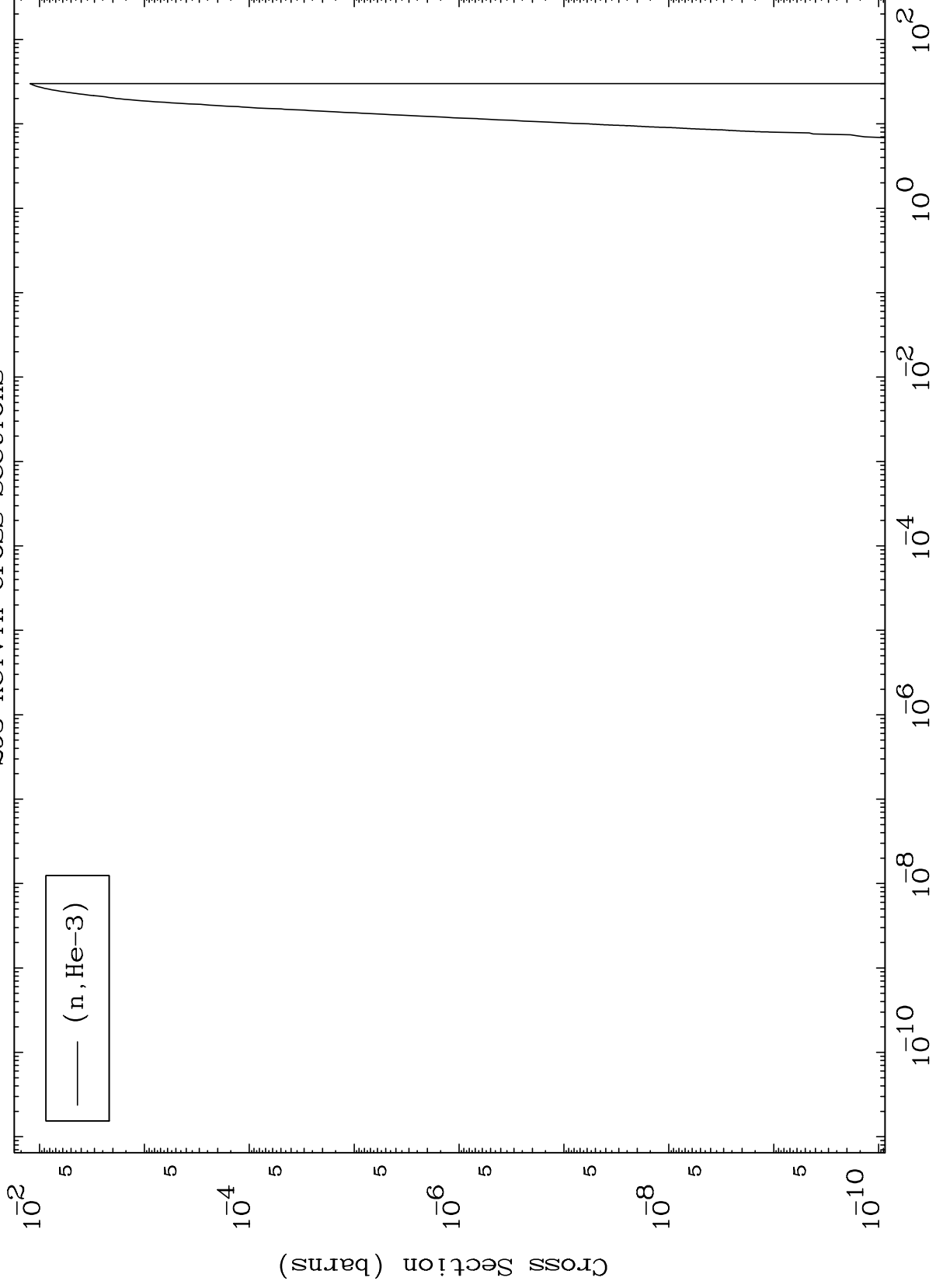
Incident Energy (MeV)

71-Lu-157

MAT 7071

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-157



(n, He-3)

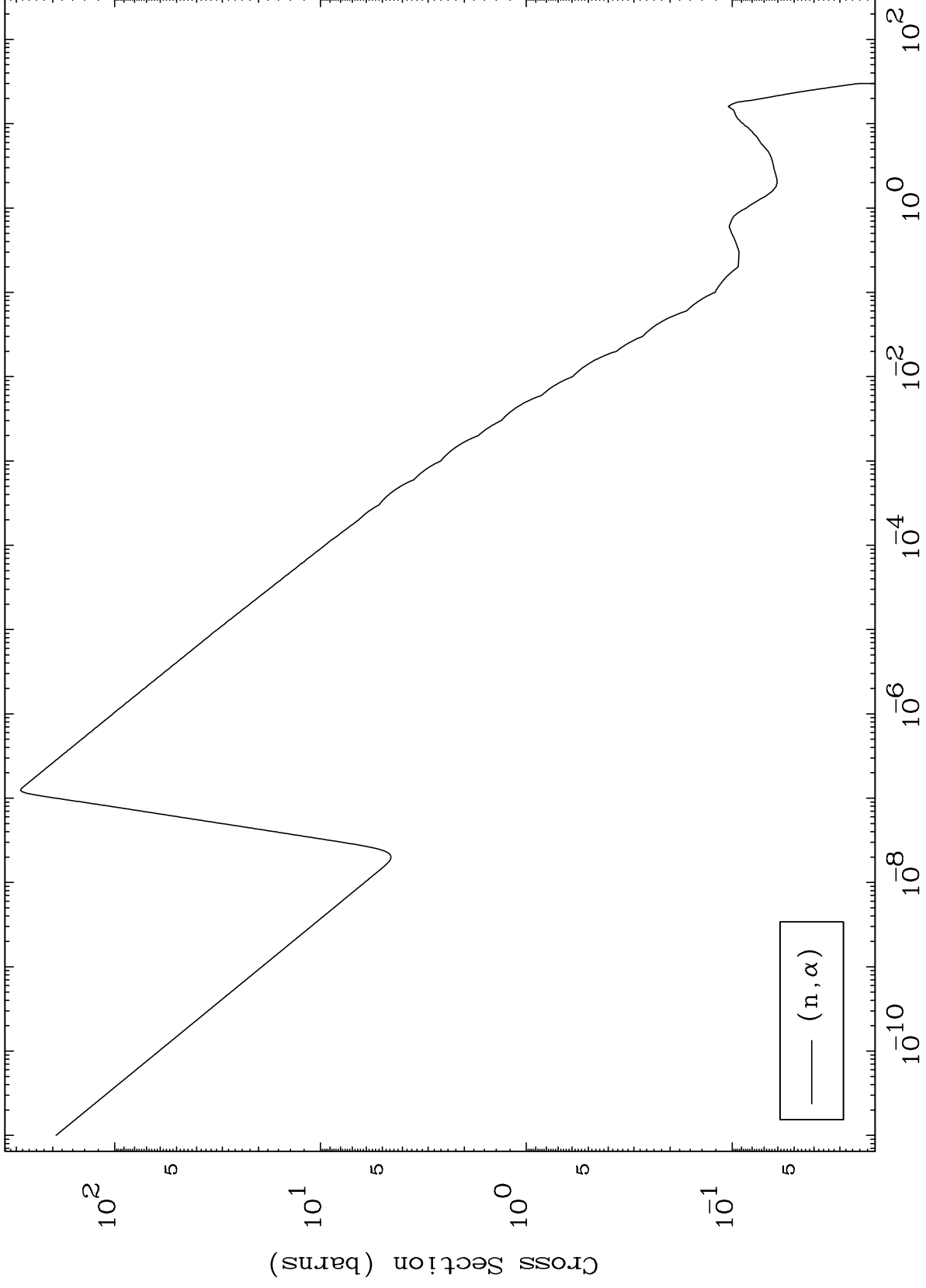
71-Lu-157

Incident Energy (MeV)

MAT 7071

(n,α) Levels
293 Kelvin Cross Sections

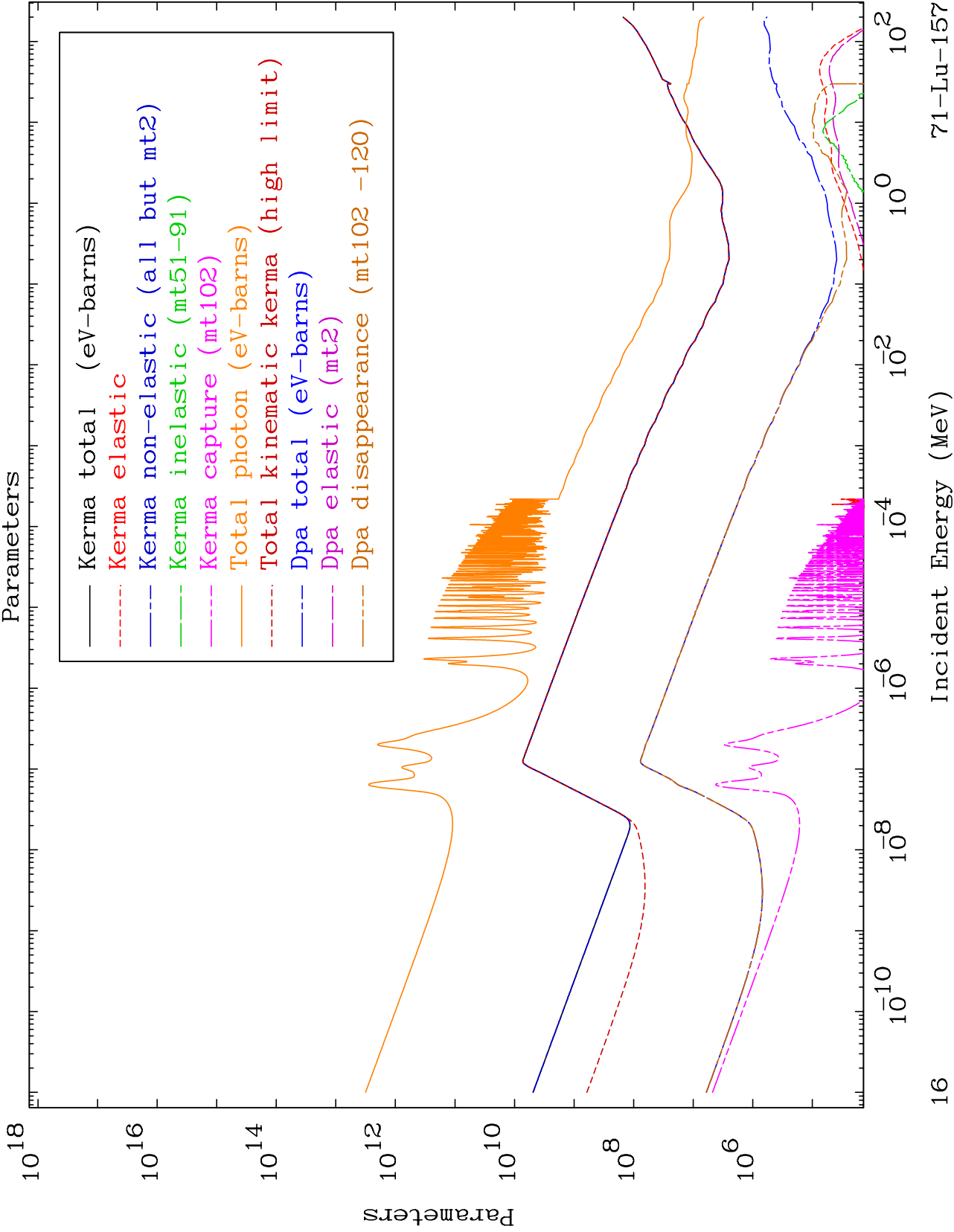
71-Lu-157

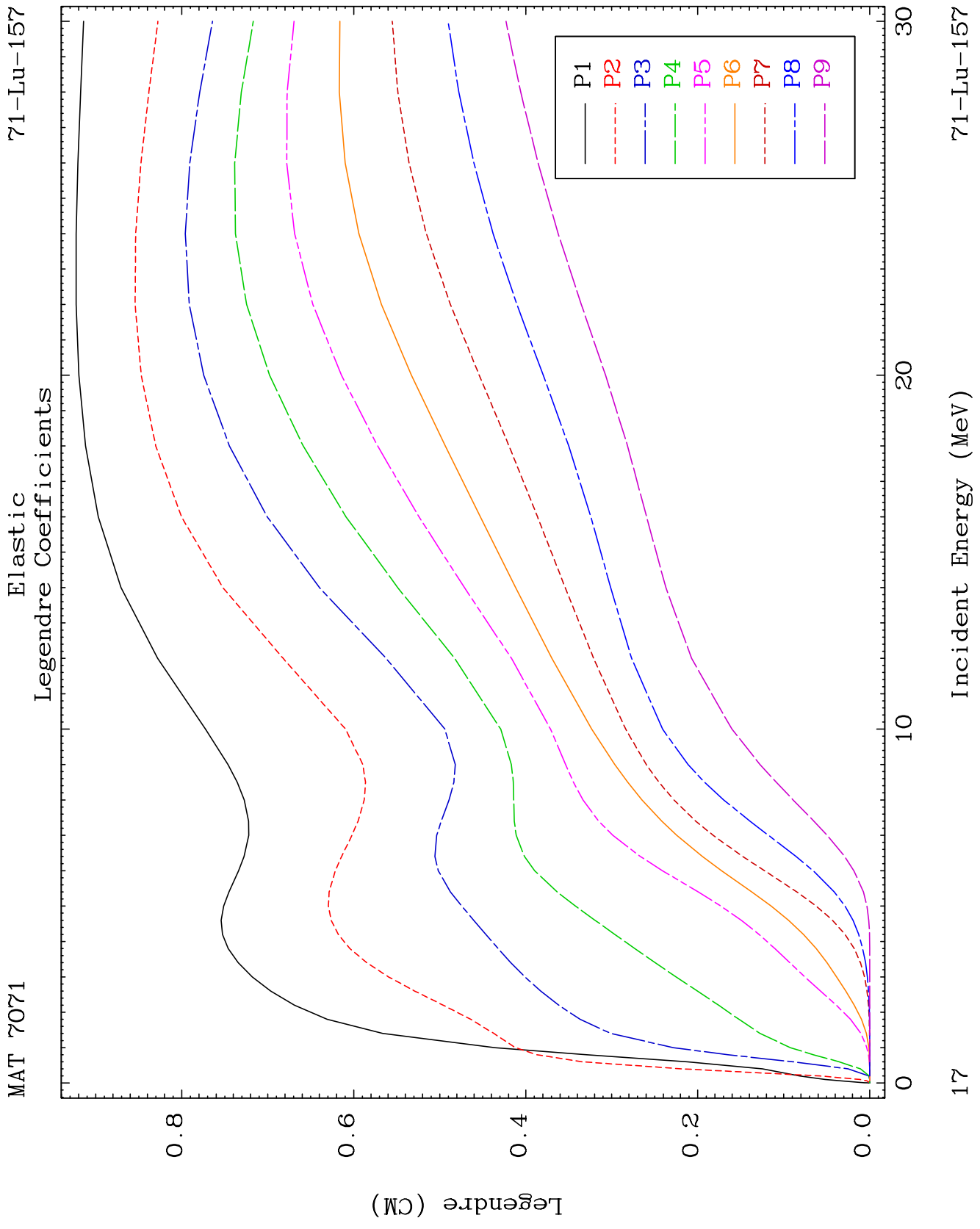


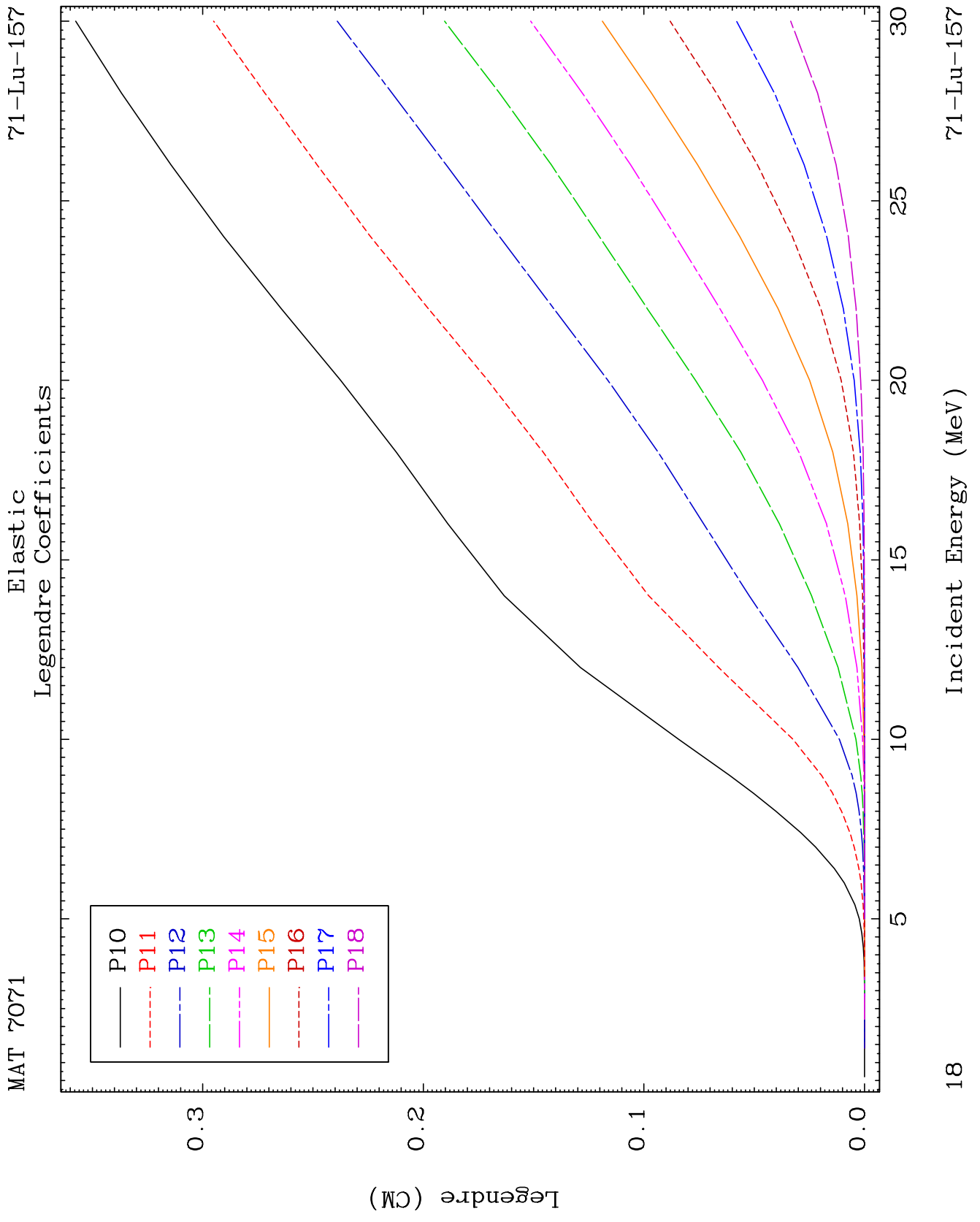
15

Incident Energy (MeV)

71-Lu-157



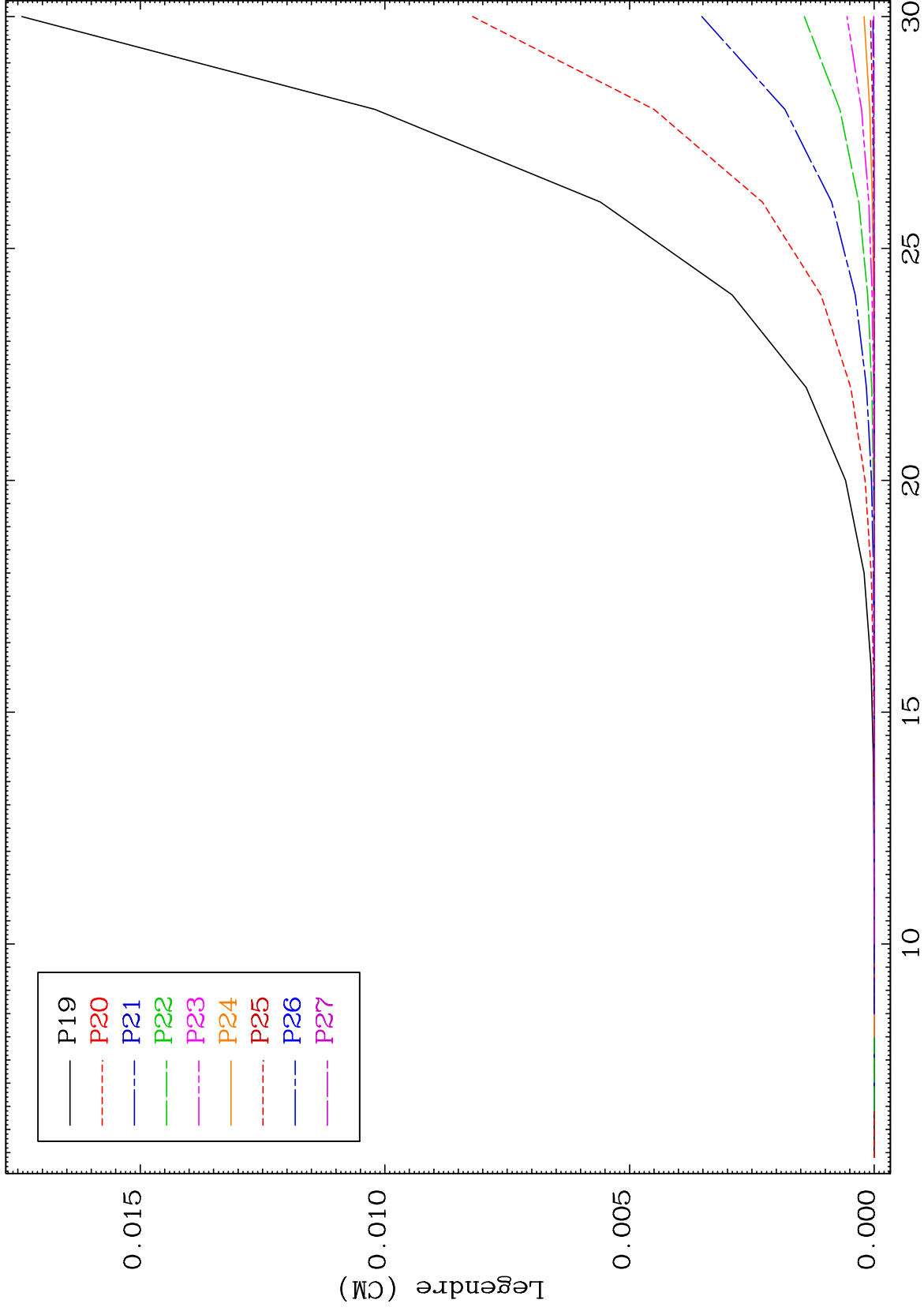




MAT 7071

Elastic Legendre Coefficients

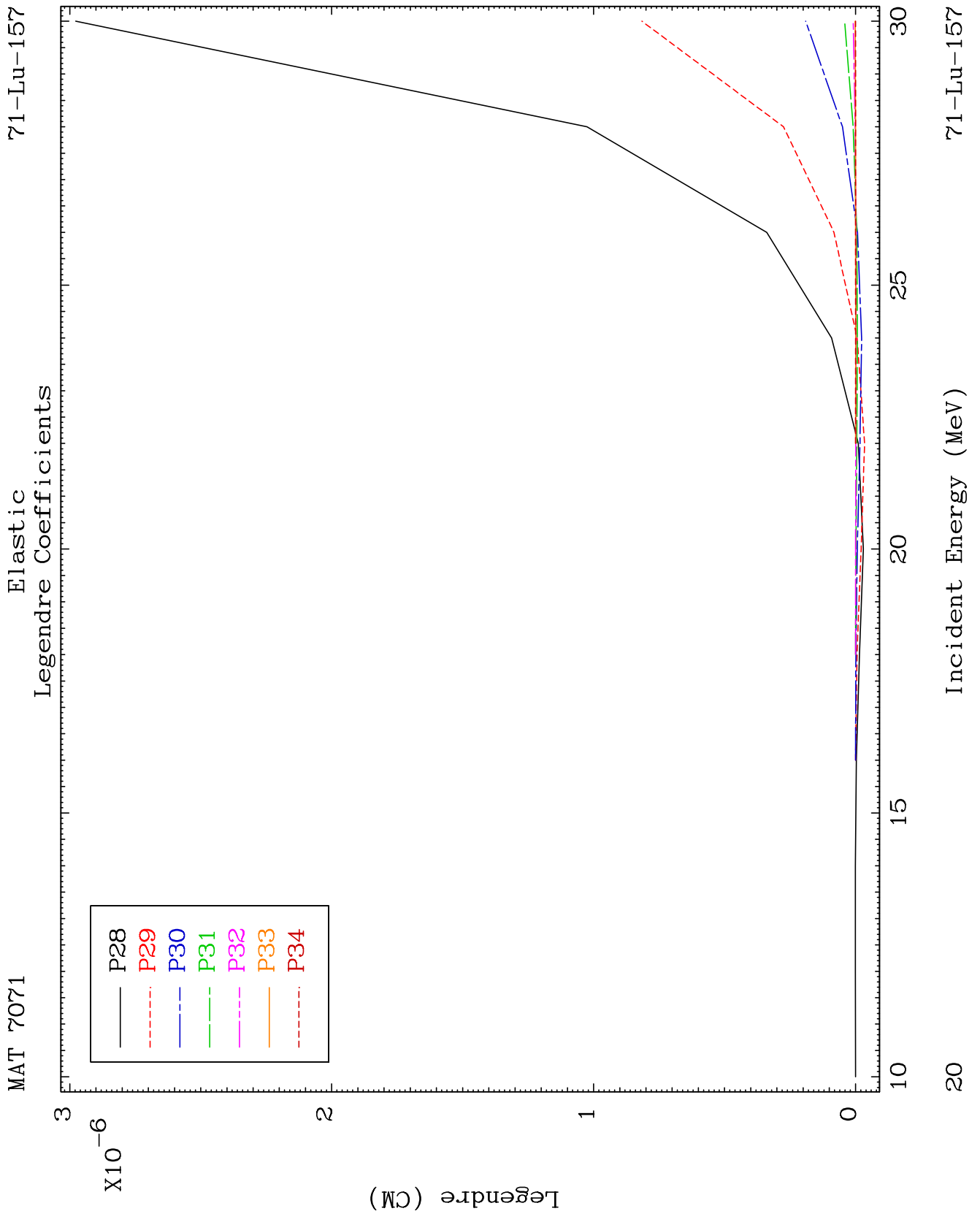
71-Lu-157

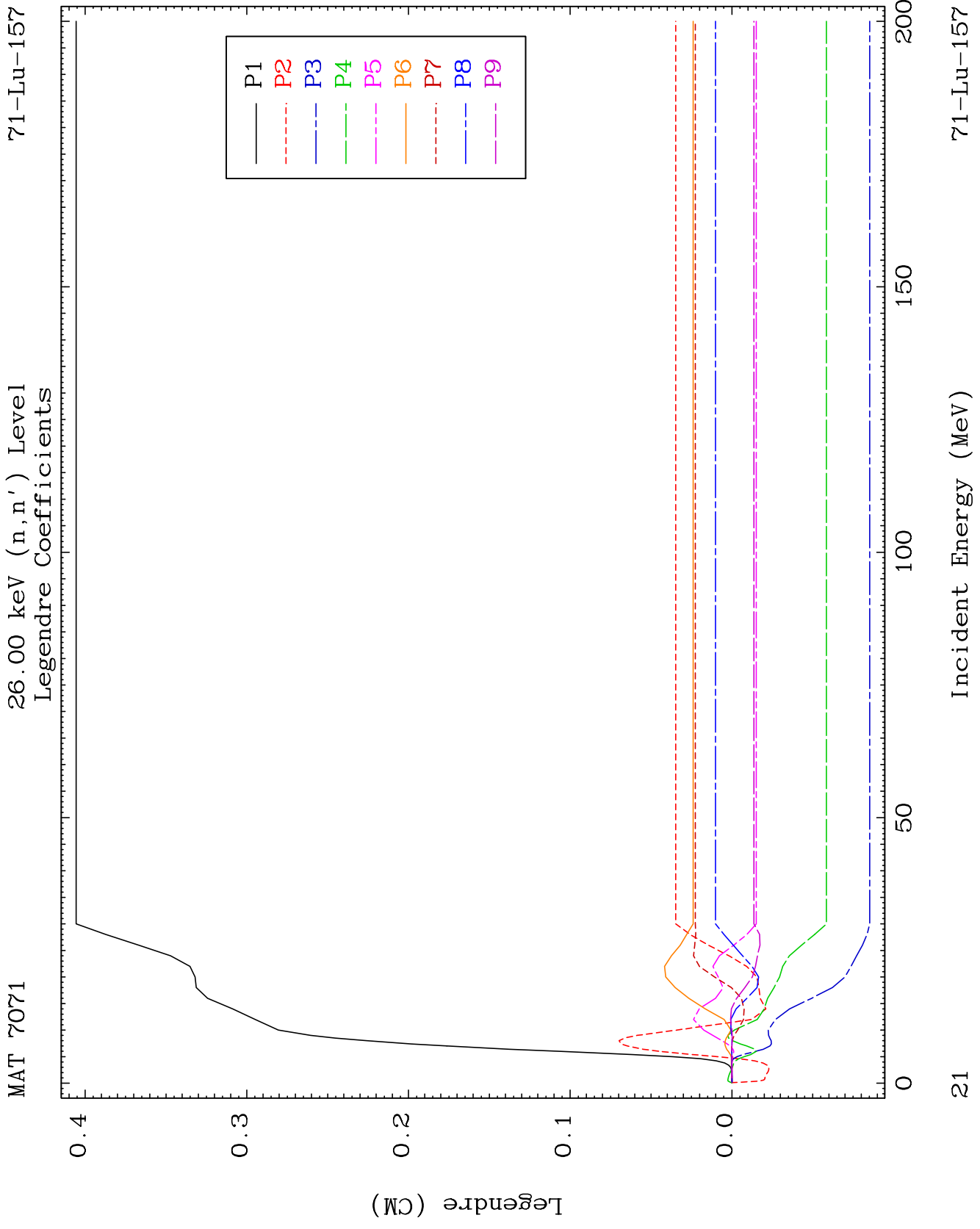


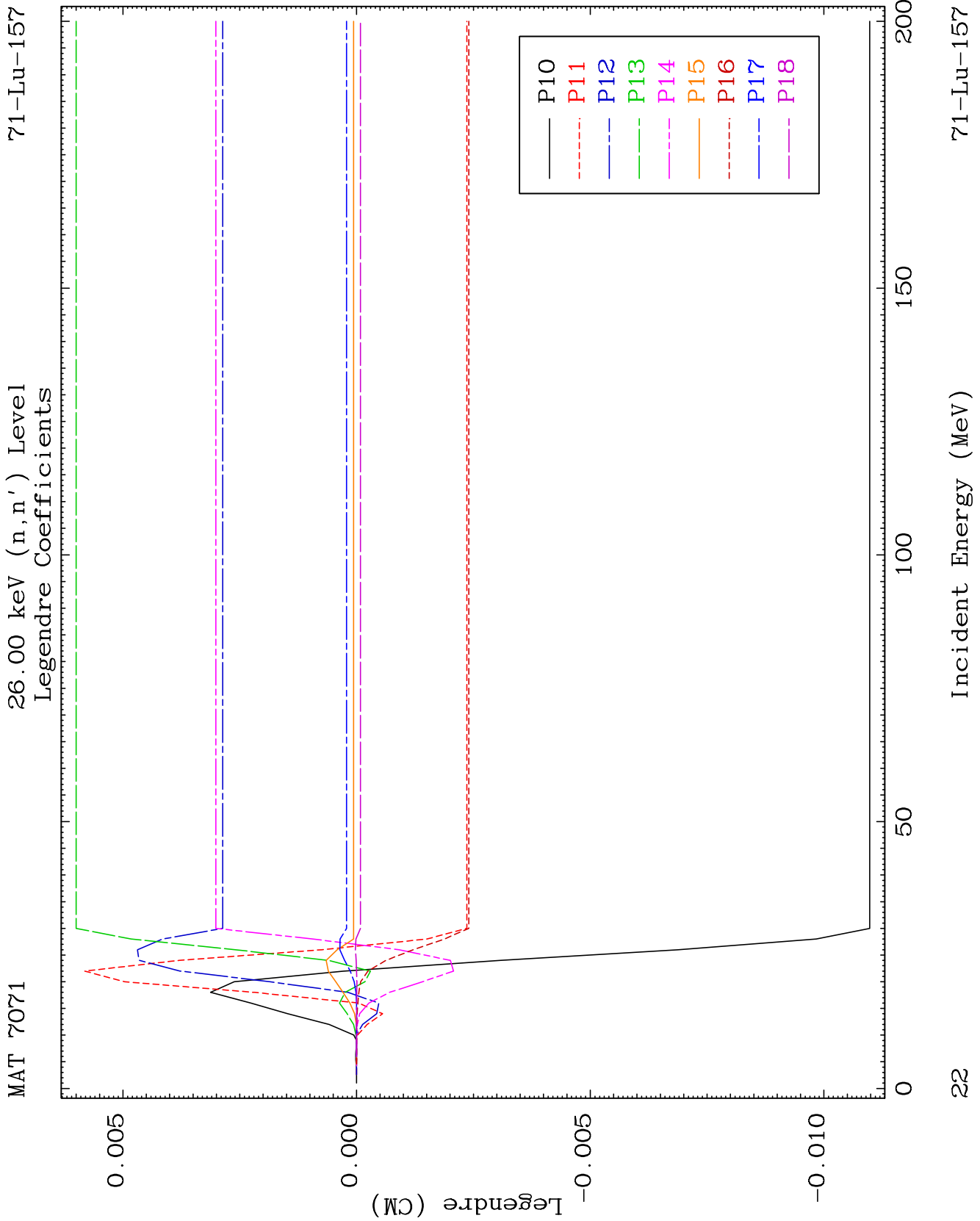
19

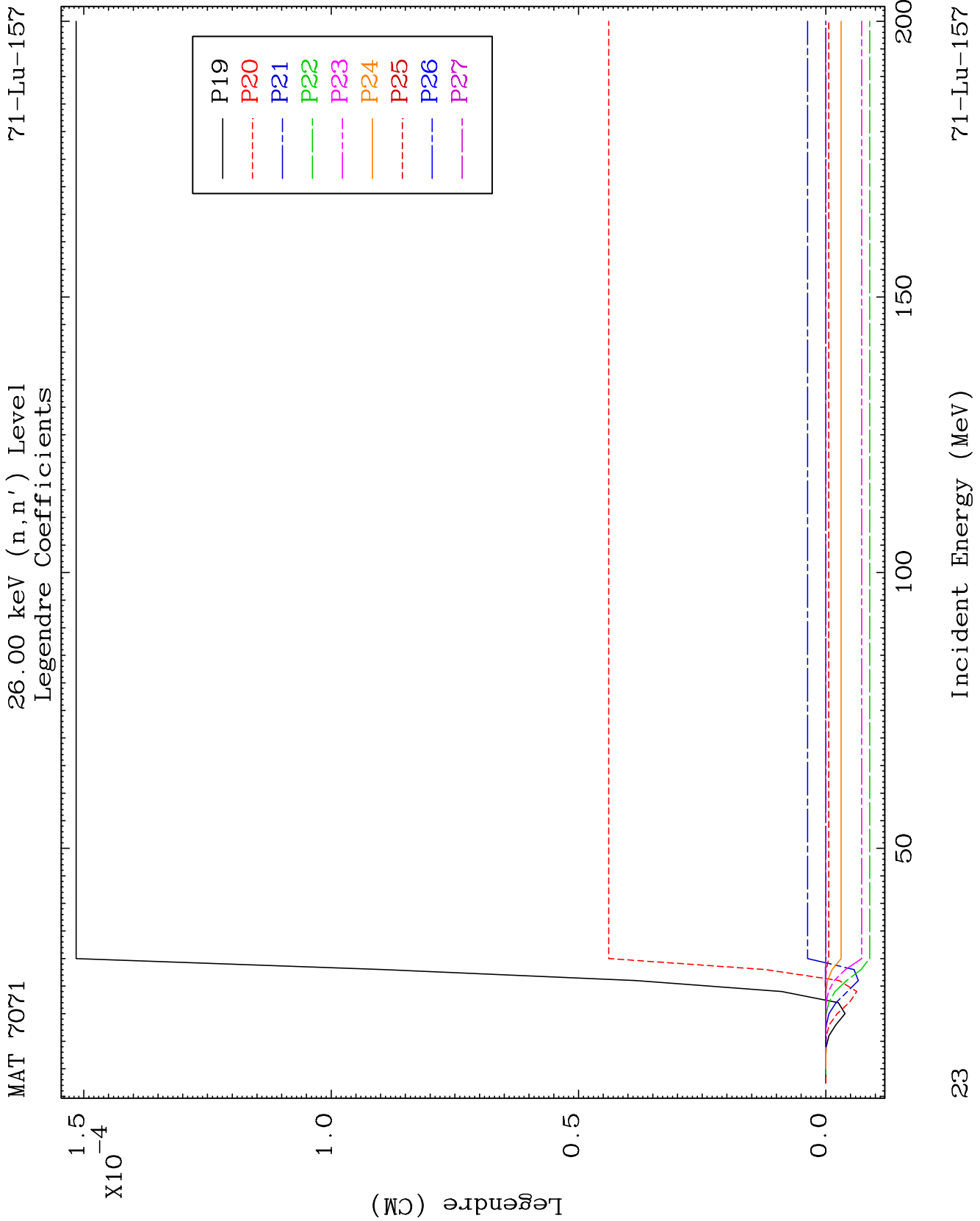
Incident Energy (MeV)

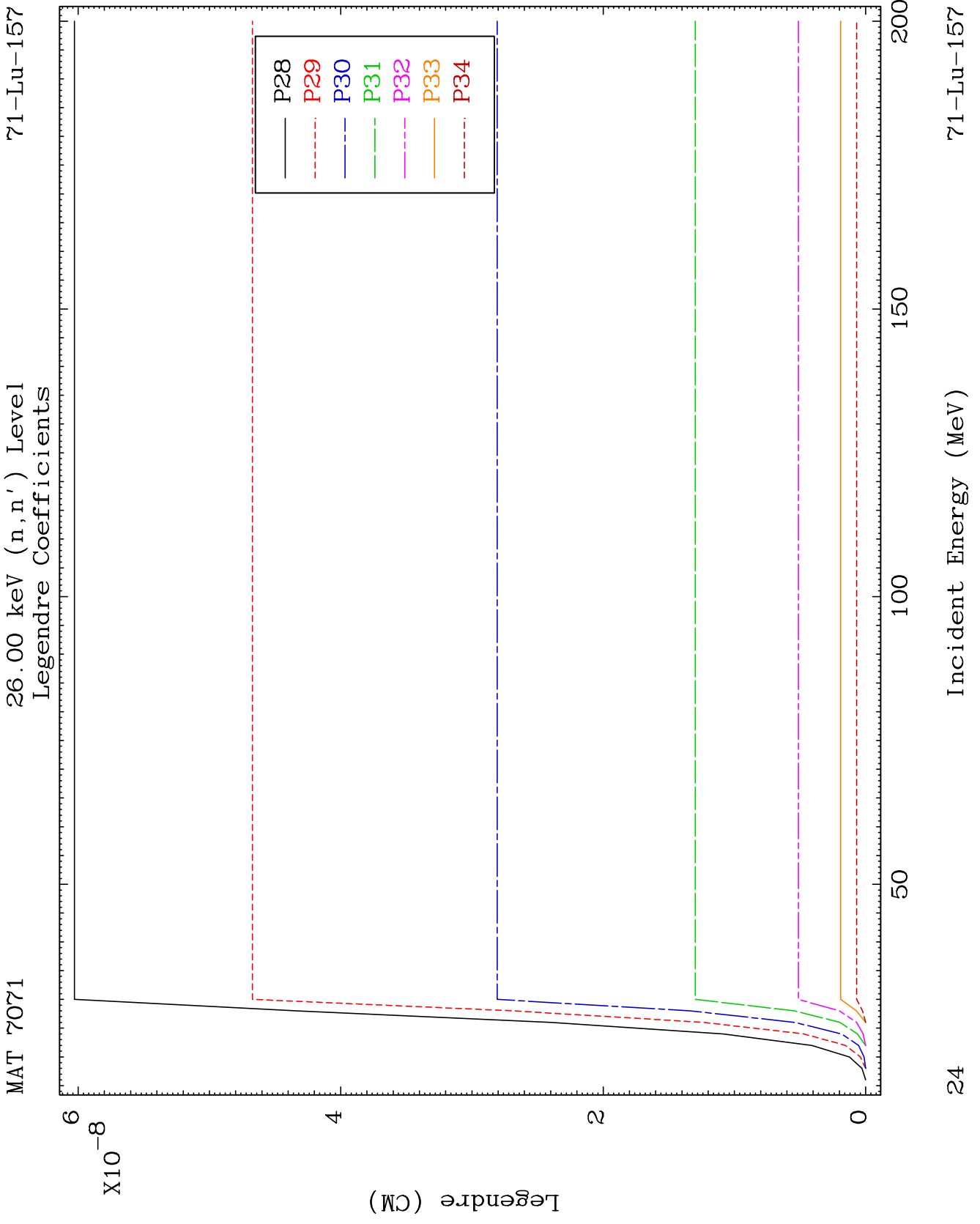
71-Lu-157

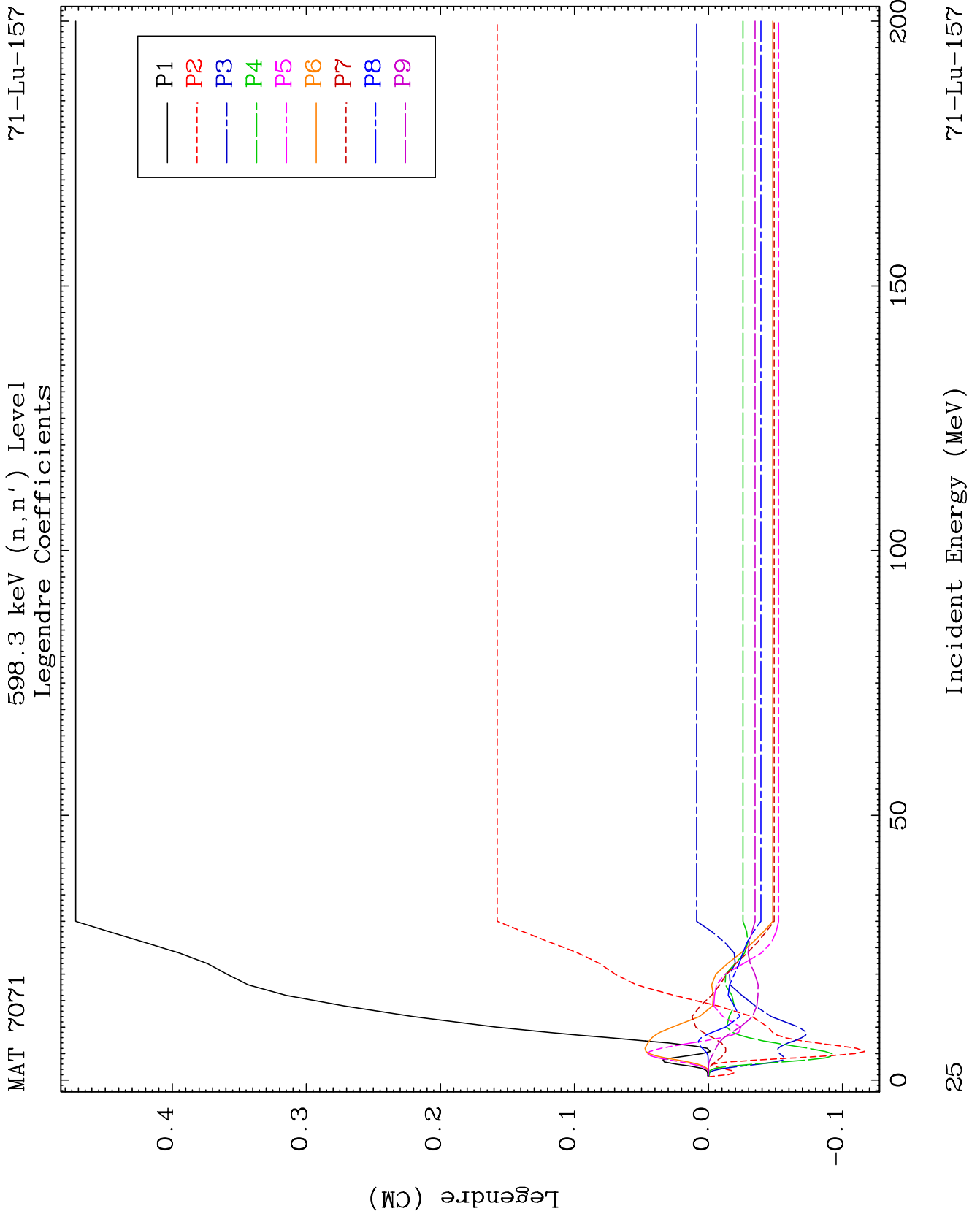








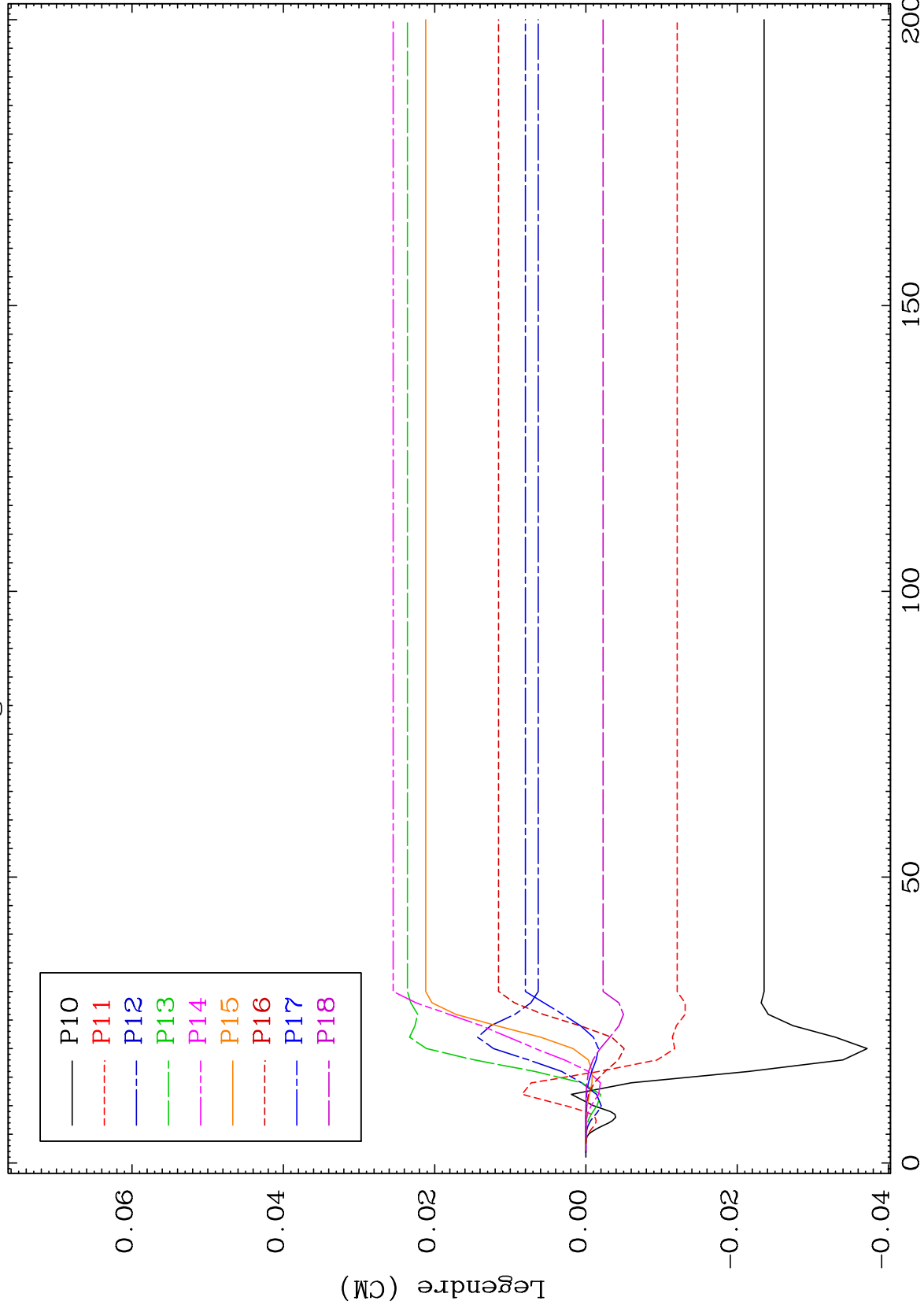




MAT 7071

598.3 keV (n,n') Level
Legendre Coefficients

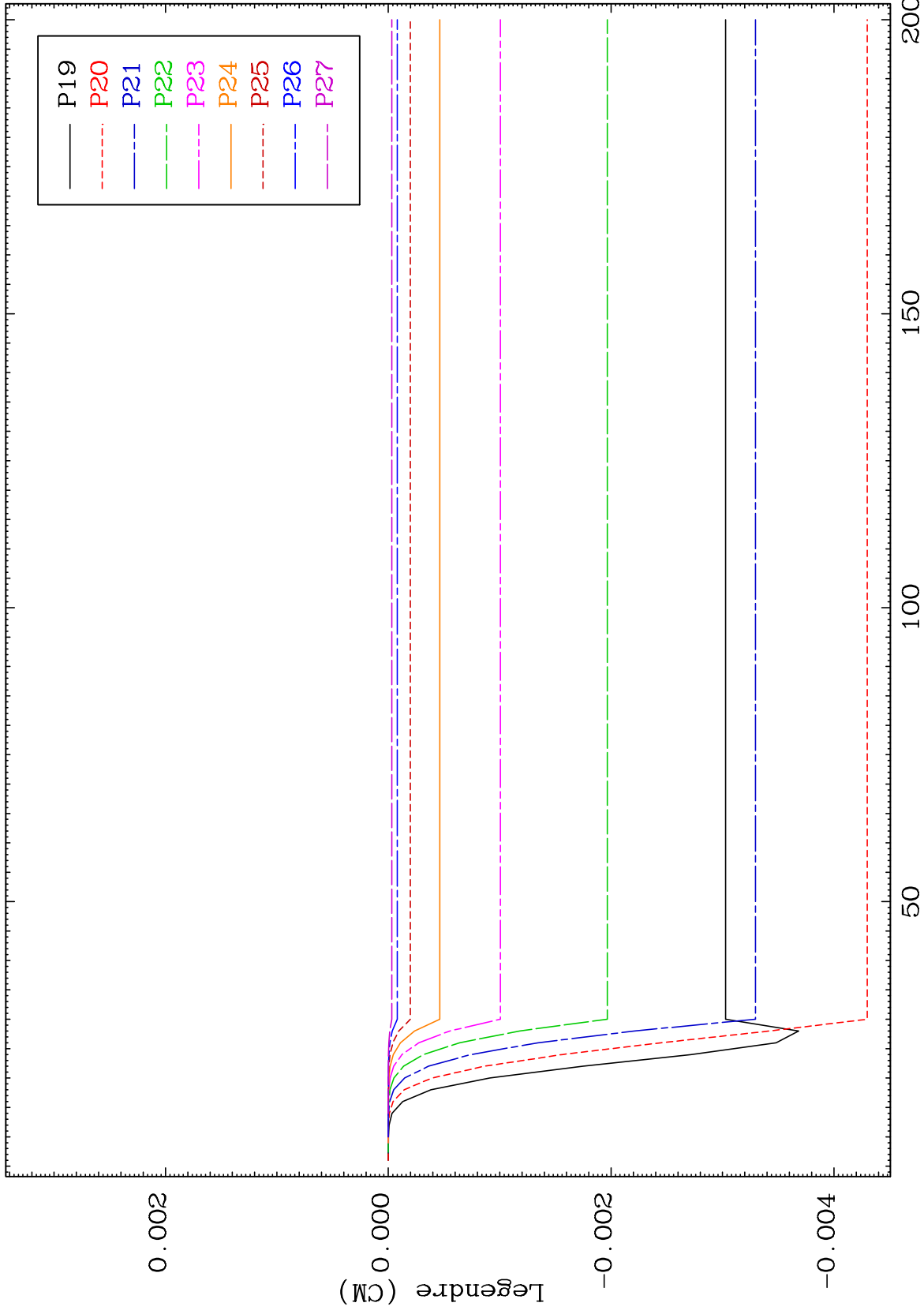
71-Lu-157

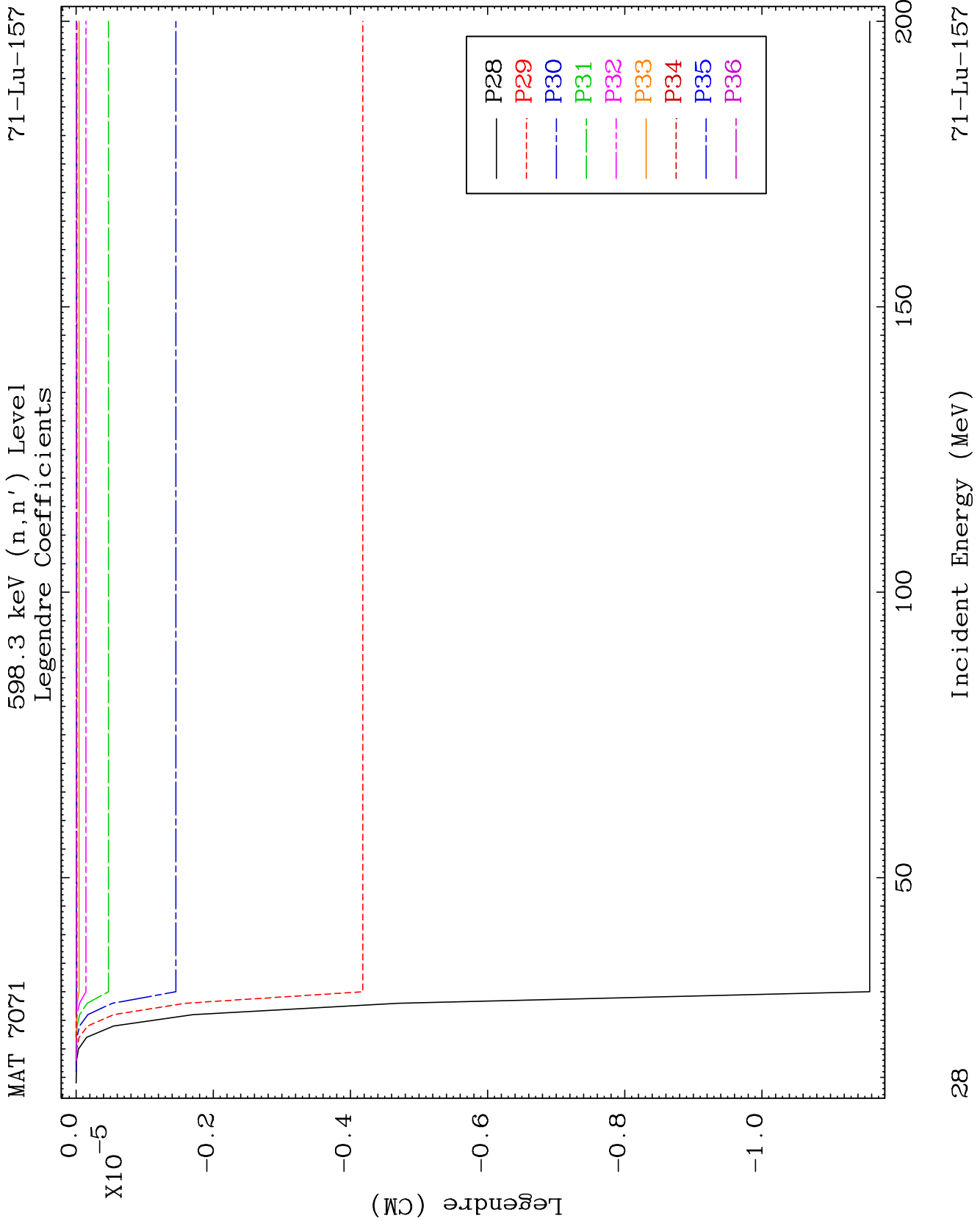


26

Incident Energy (MeV)

71-Lu-157

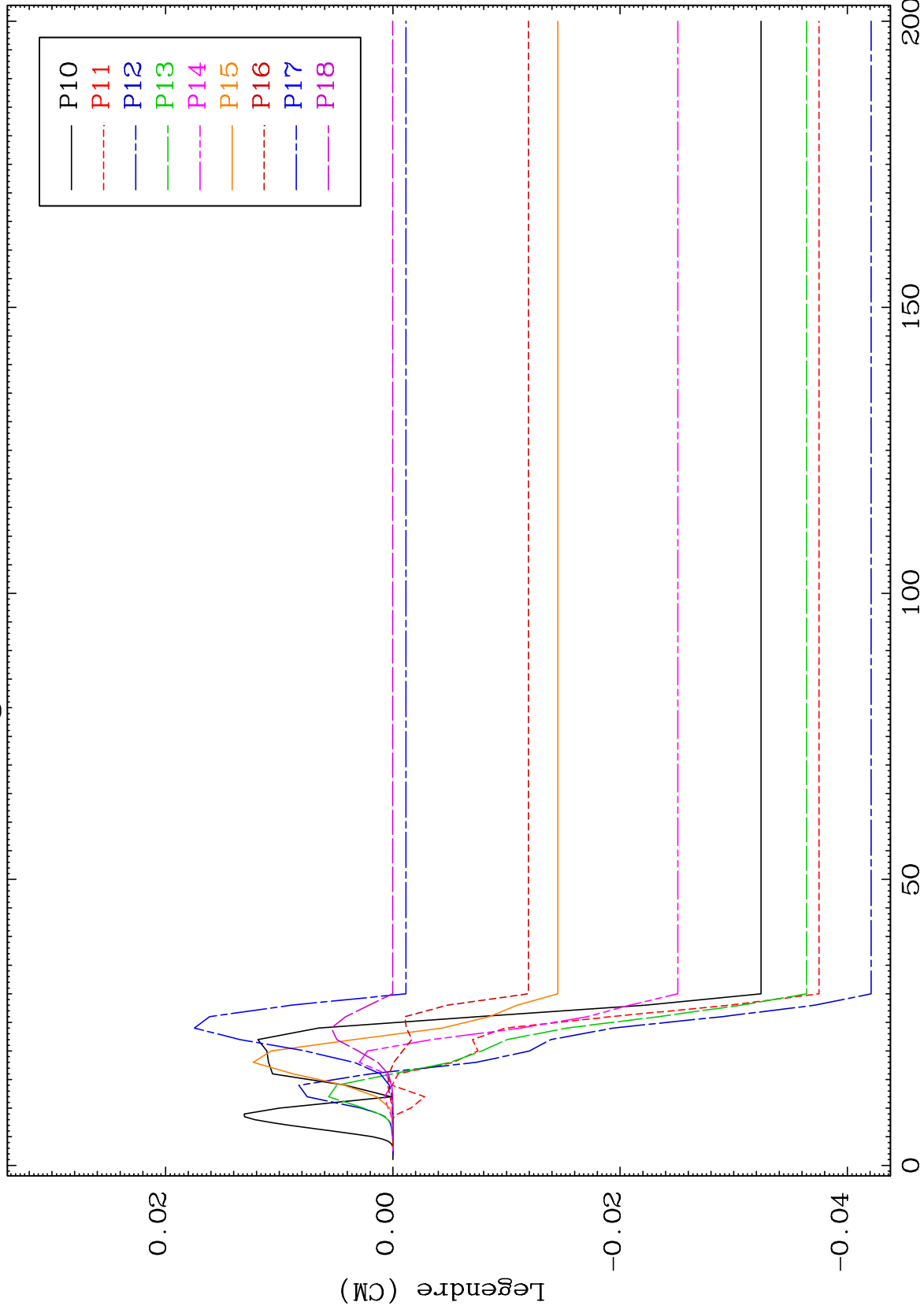




MAT 7071

622.8 keV (n,n') Level
Legendre Coefficients

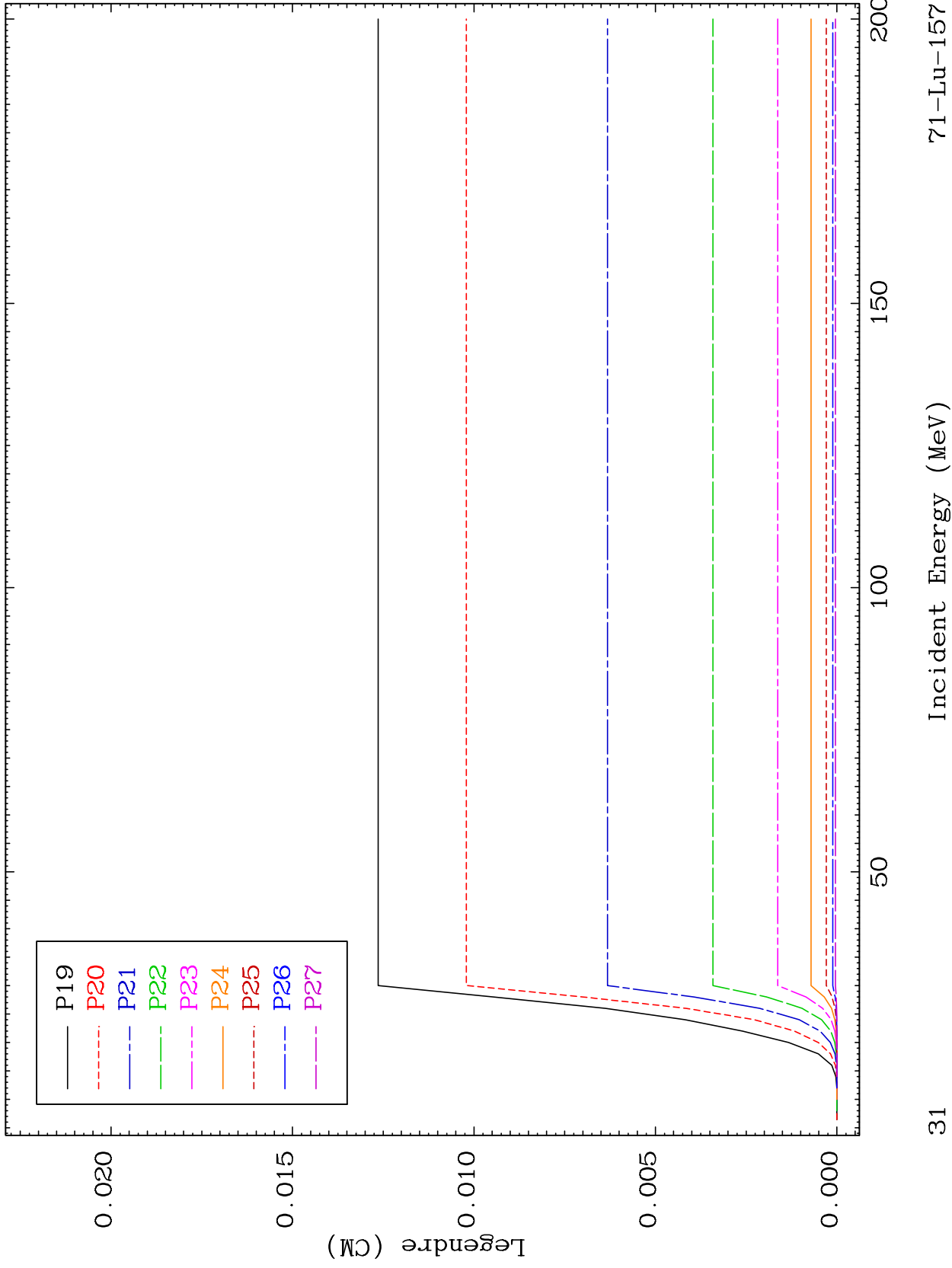
71-Lu-157

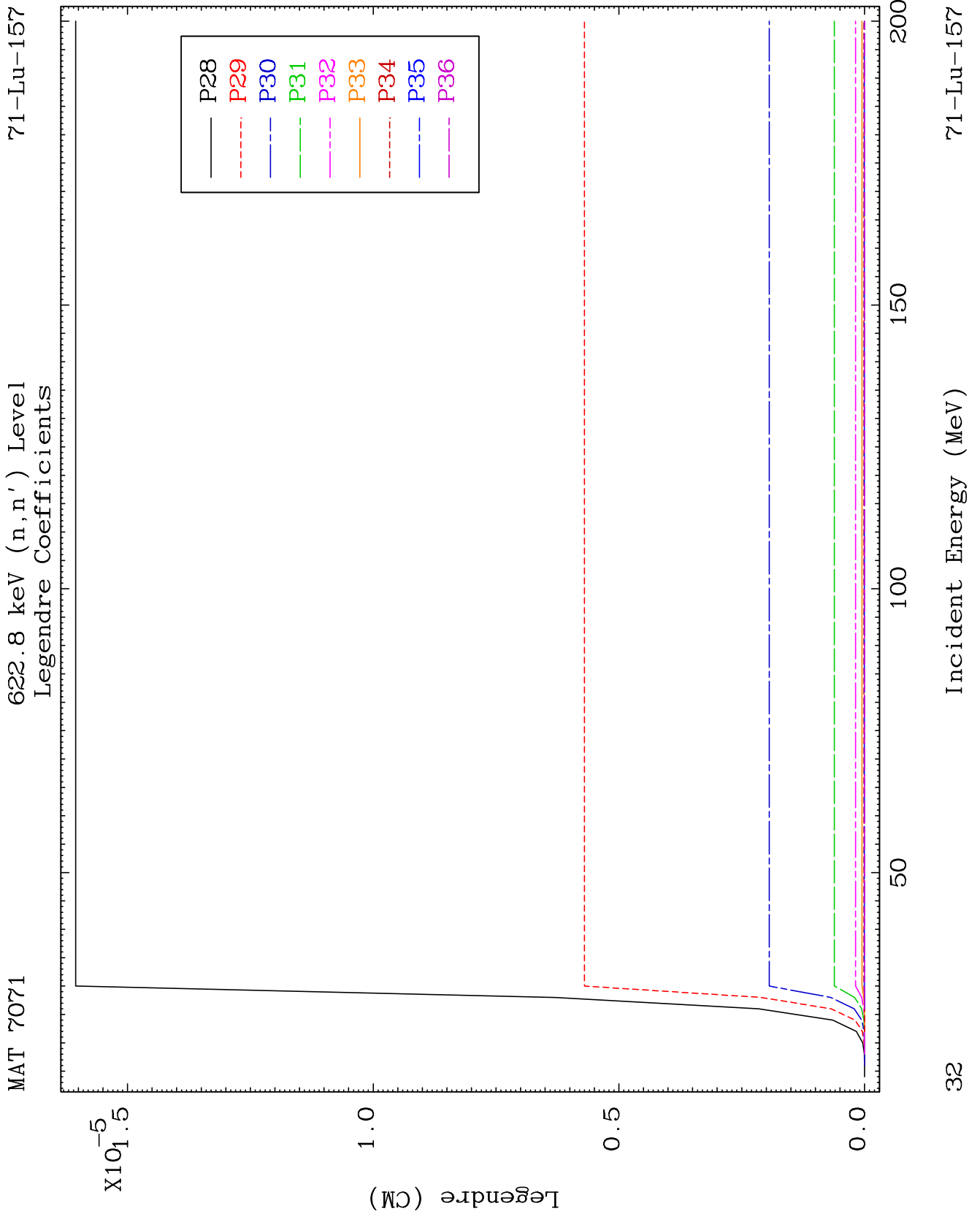


30

Incident Energy (MeV)

71-Lu-157

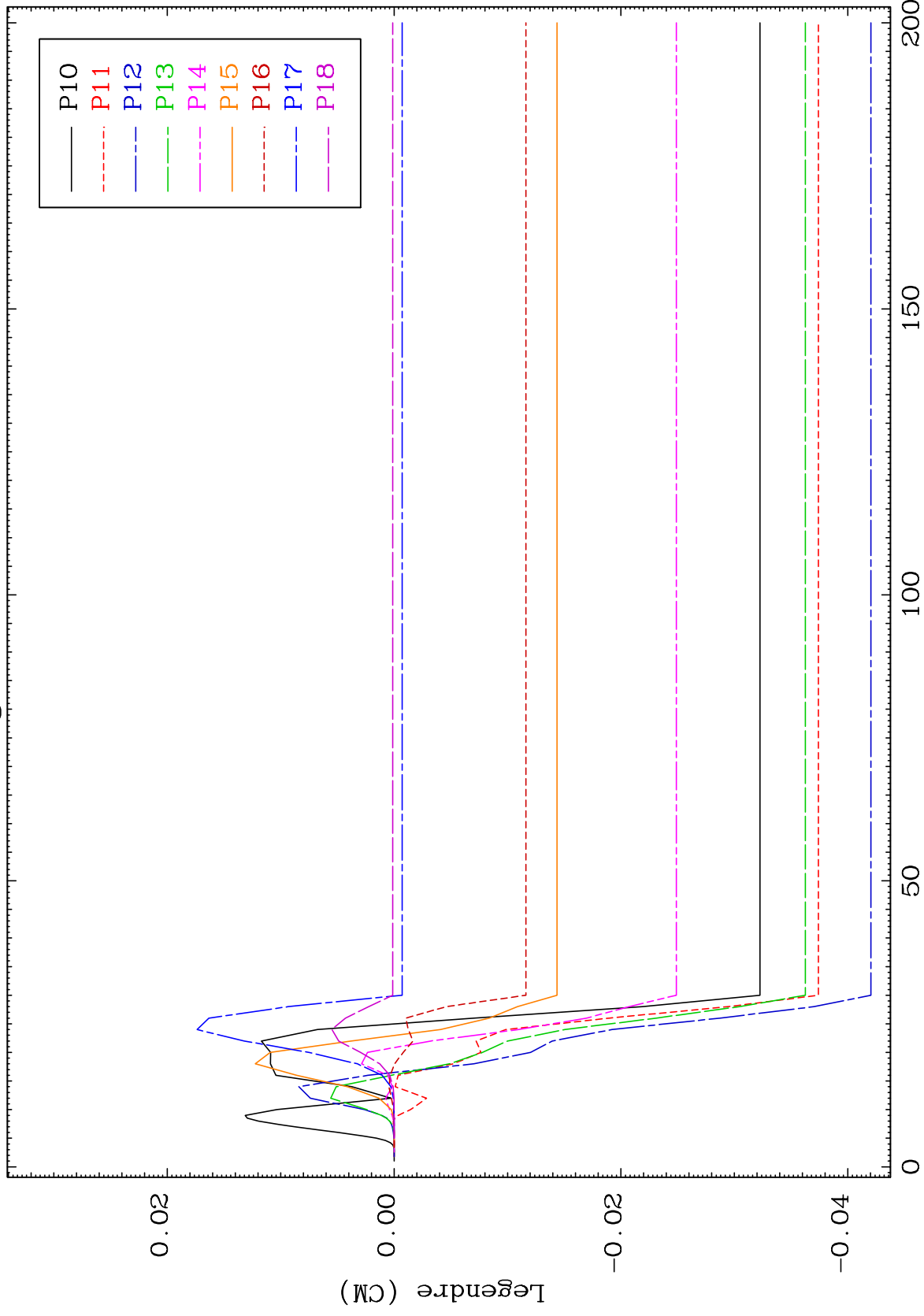




MAT 7071

786.5 keV (n,n') Level
Legendre Coefficients

71-Lu-157



34

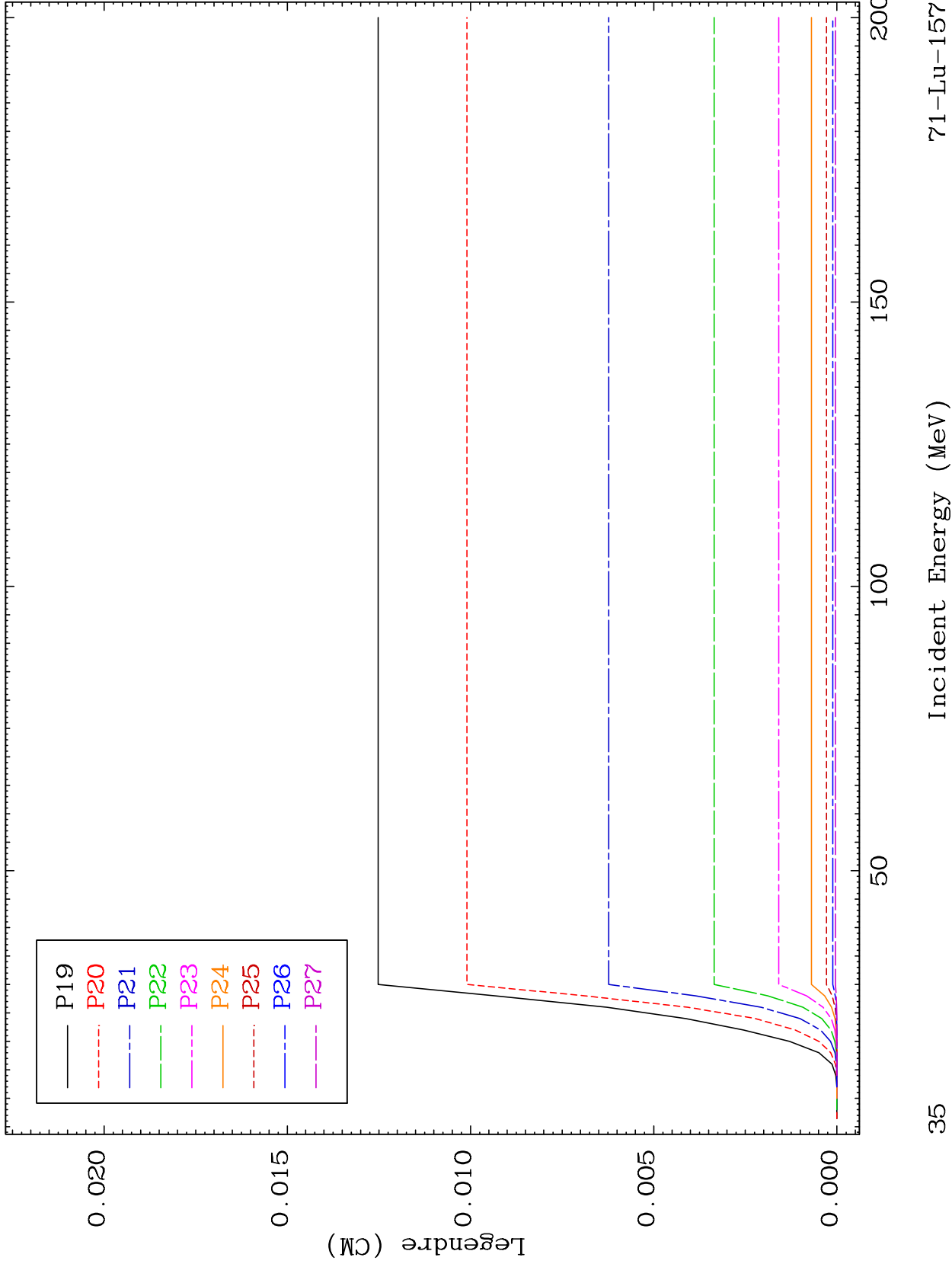
Incident Energy (MeV)

71-Lu-157

MAT 7071

786.5 keV (n, n') Level
Legendre Coefficients

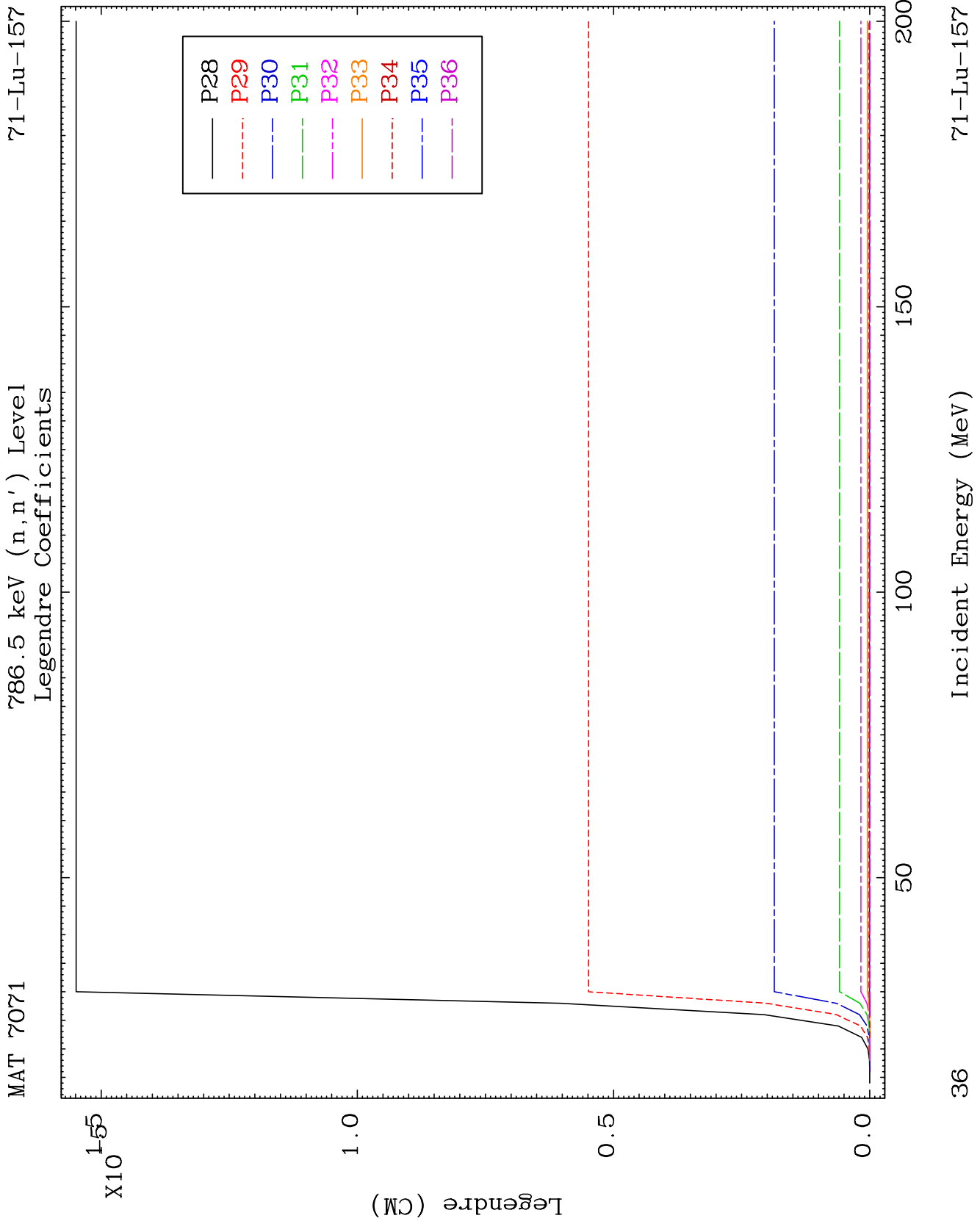
71-Lu-157

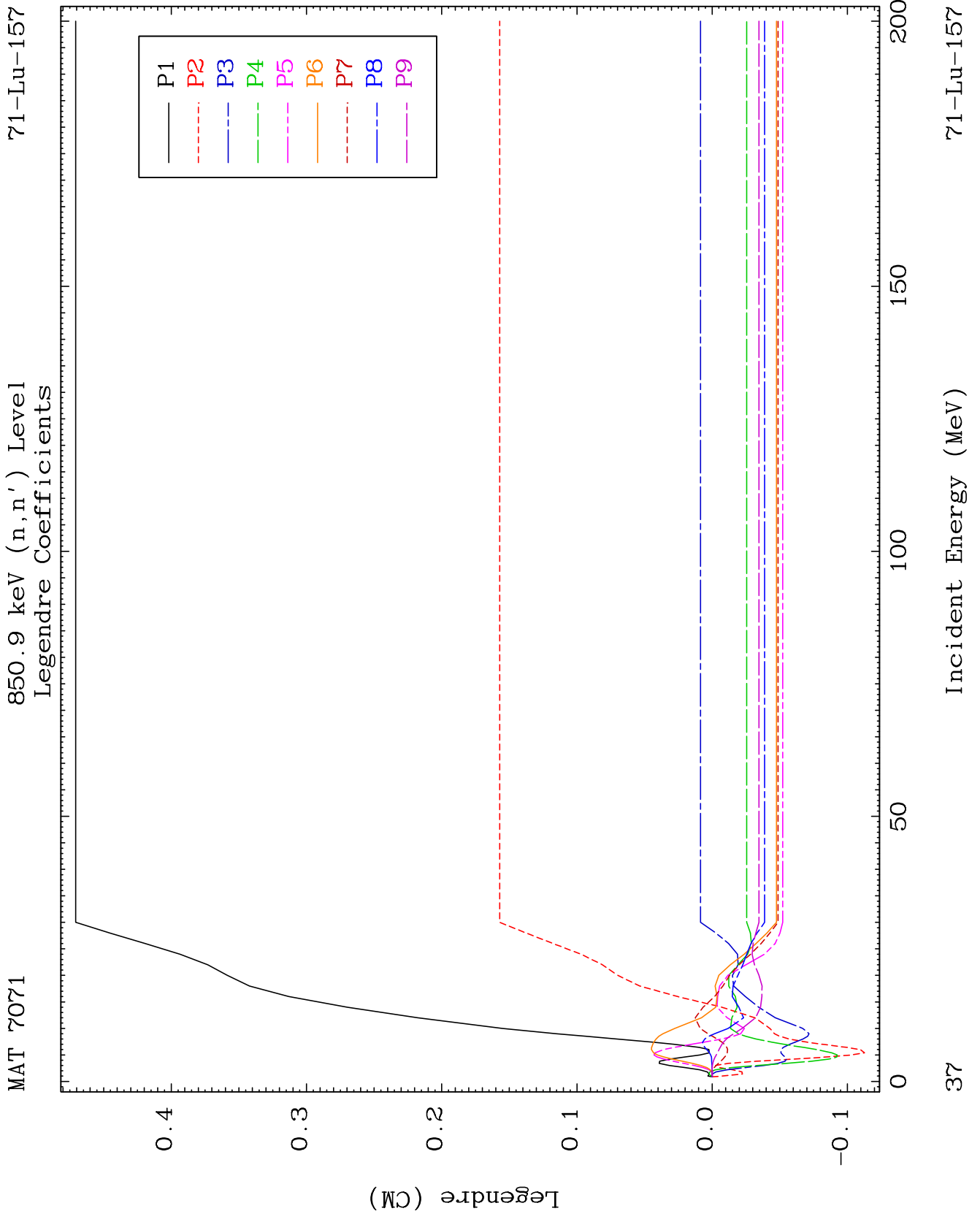


35

Incident Energy (MeV)

71-Lu-157

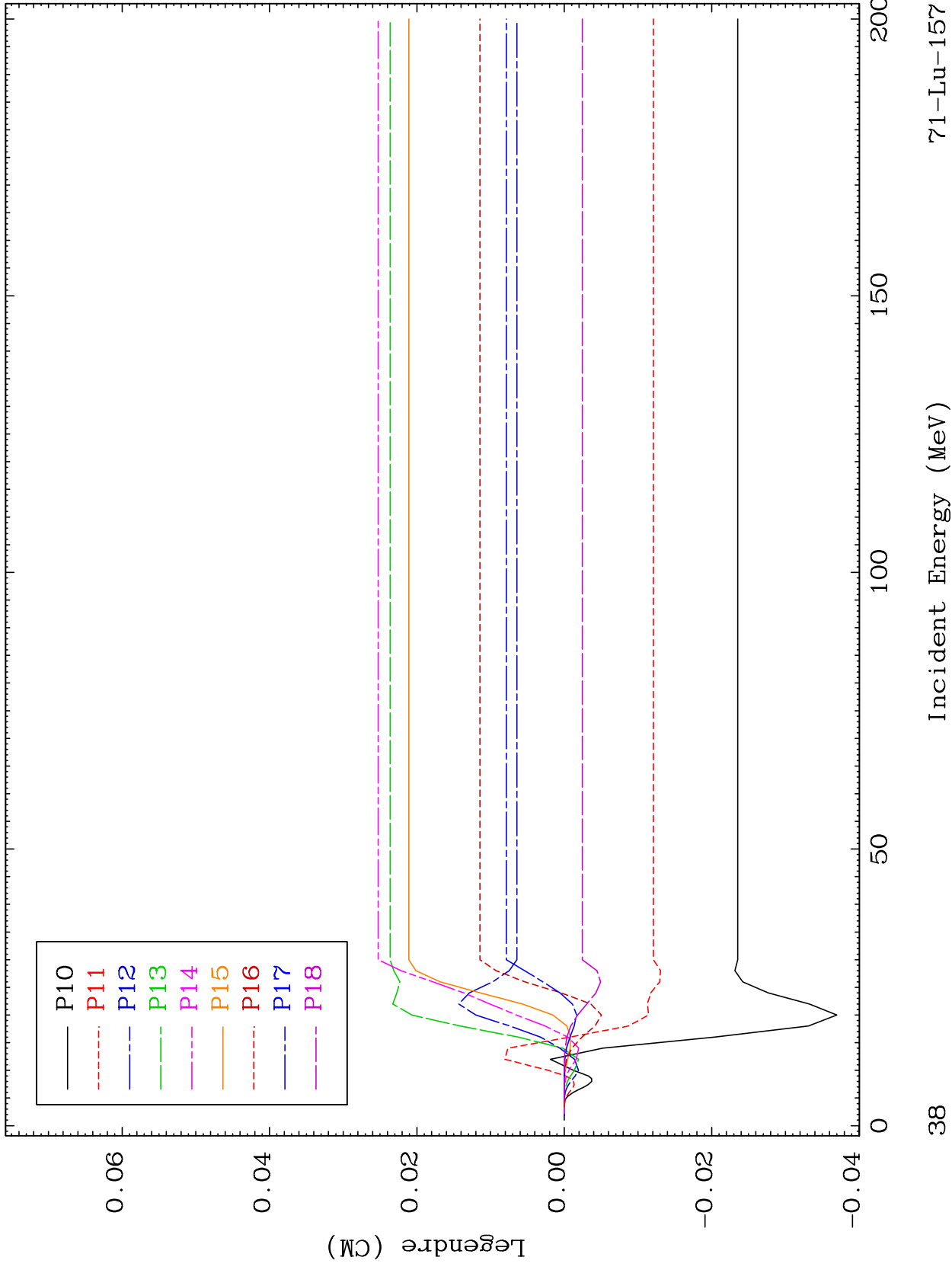




MAT 7071

850.9 keV (n, n') Level
Legendre Coefficients

71-Lu-157



38

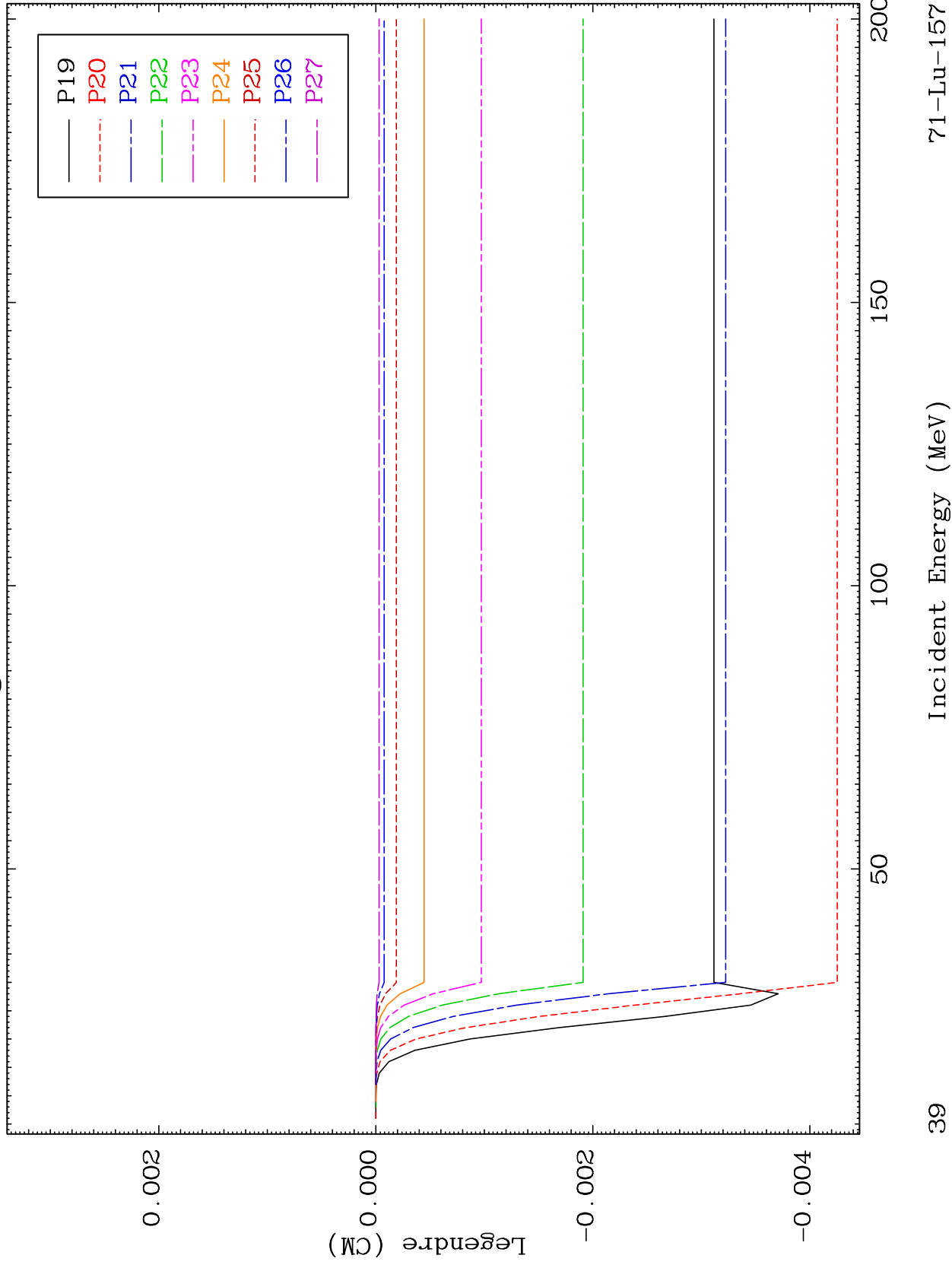
Incident Energy (MeV)

71-Lu-157

MAT 7071

850.9 keV (n,n') Level
Legendre Coefficients

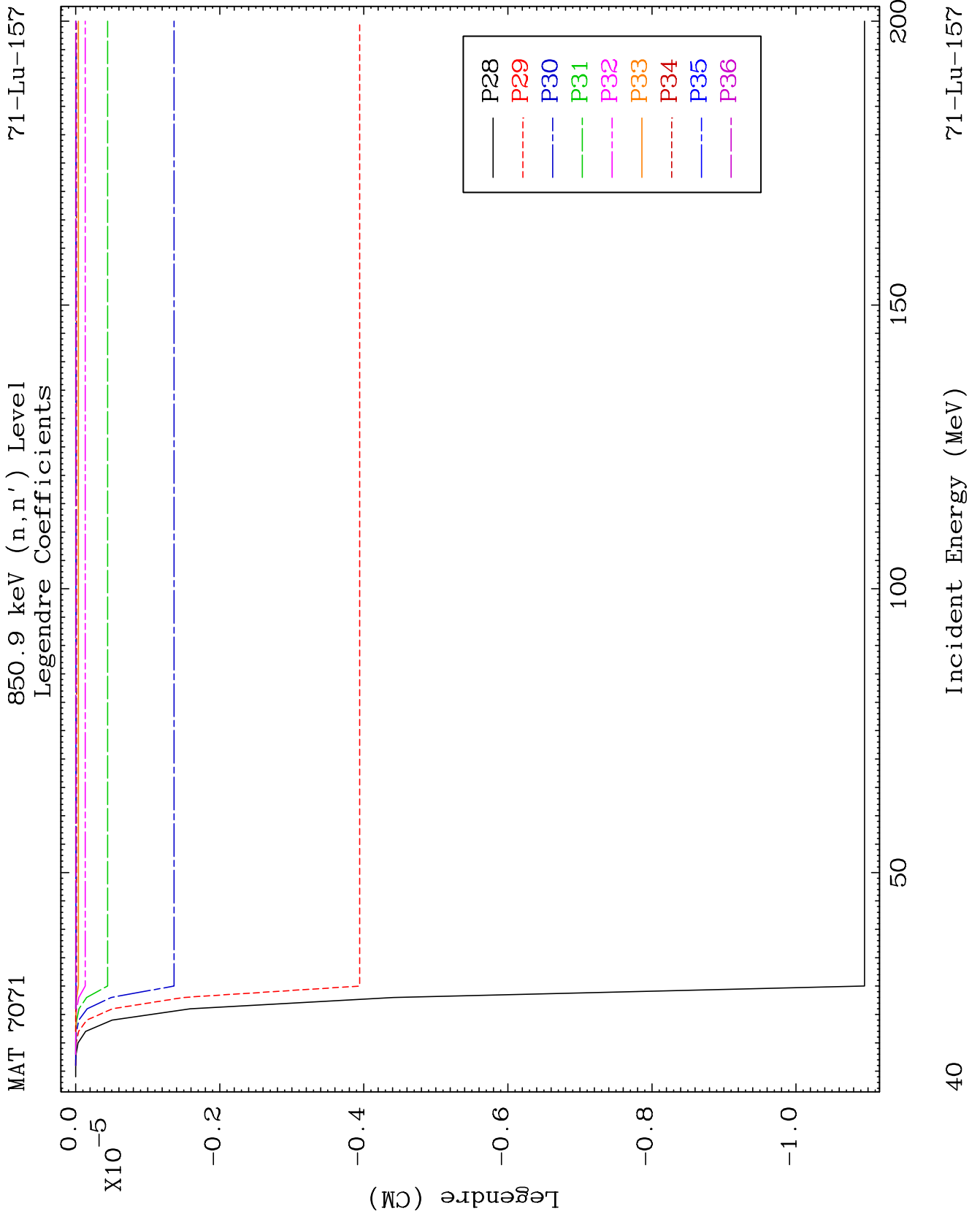
71-Lu-157

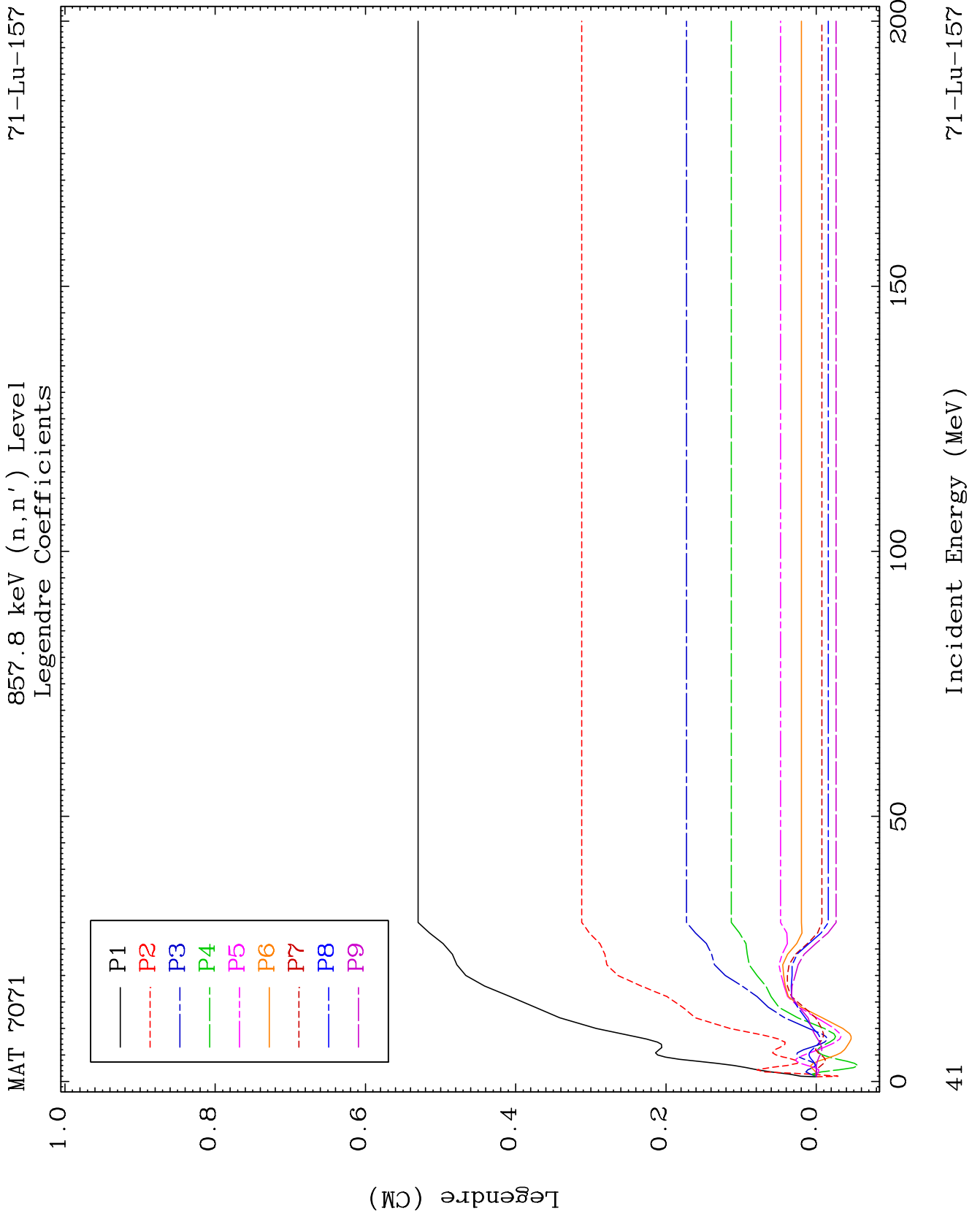


39

Incident Energy (MeV)

71-Lu-157

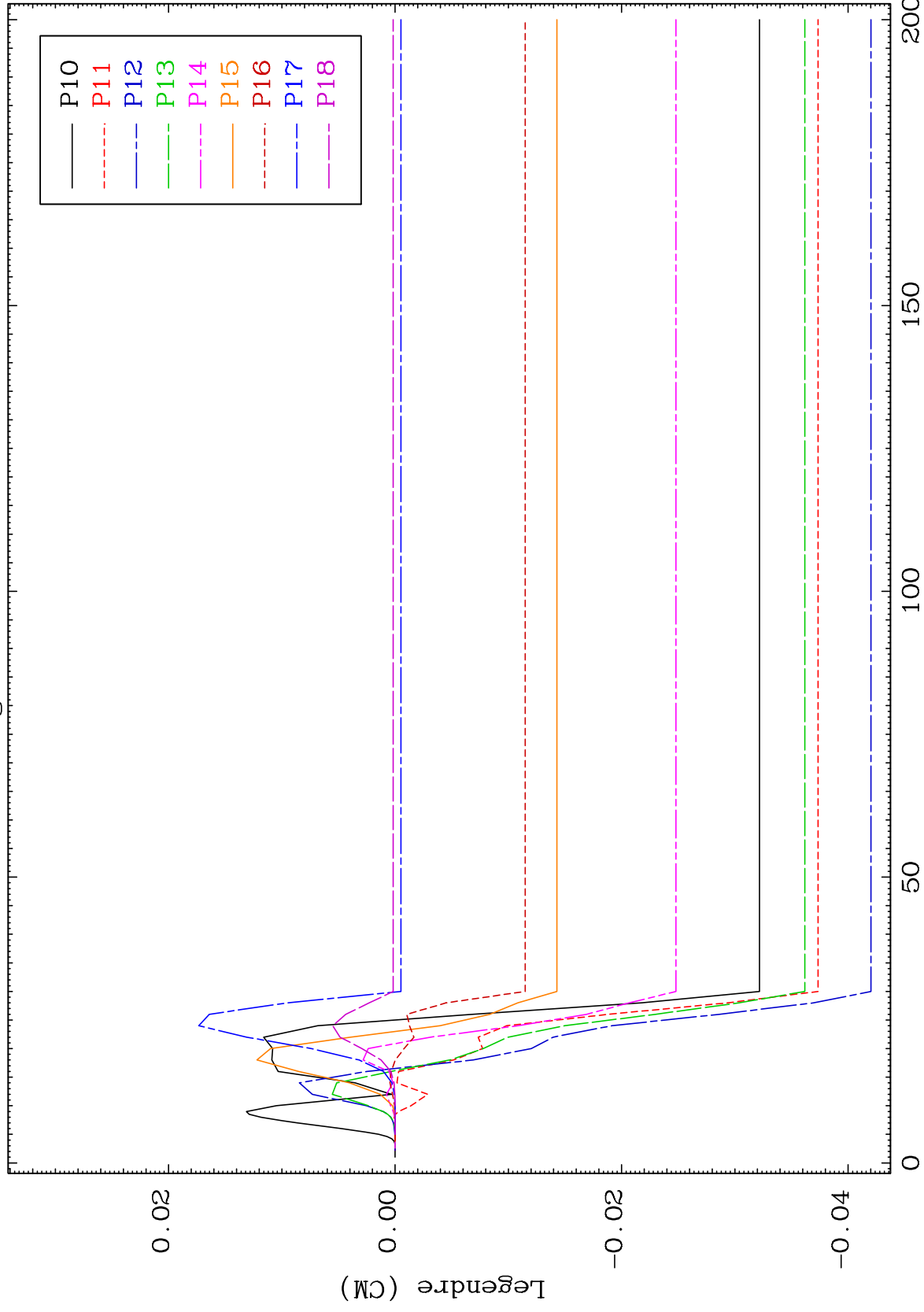




MAT 7071

857.8 keV (n,n') Level
Legendre Coefficients

71-Lu-157



42

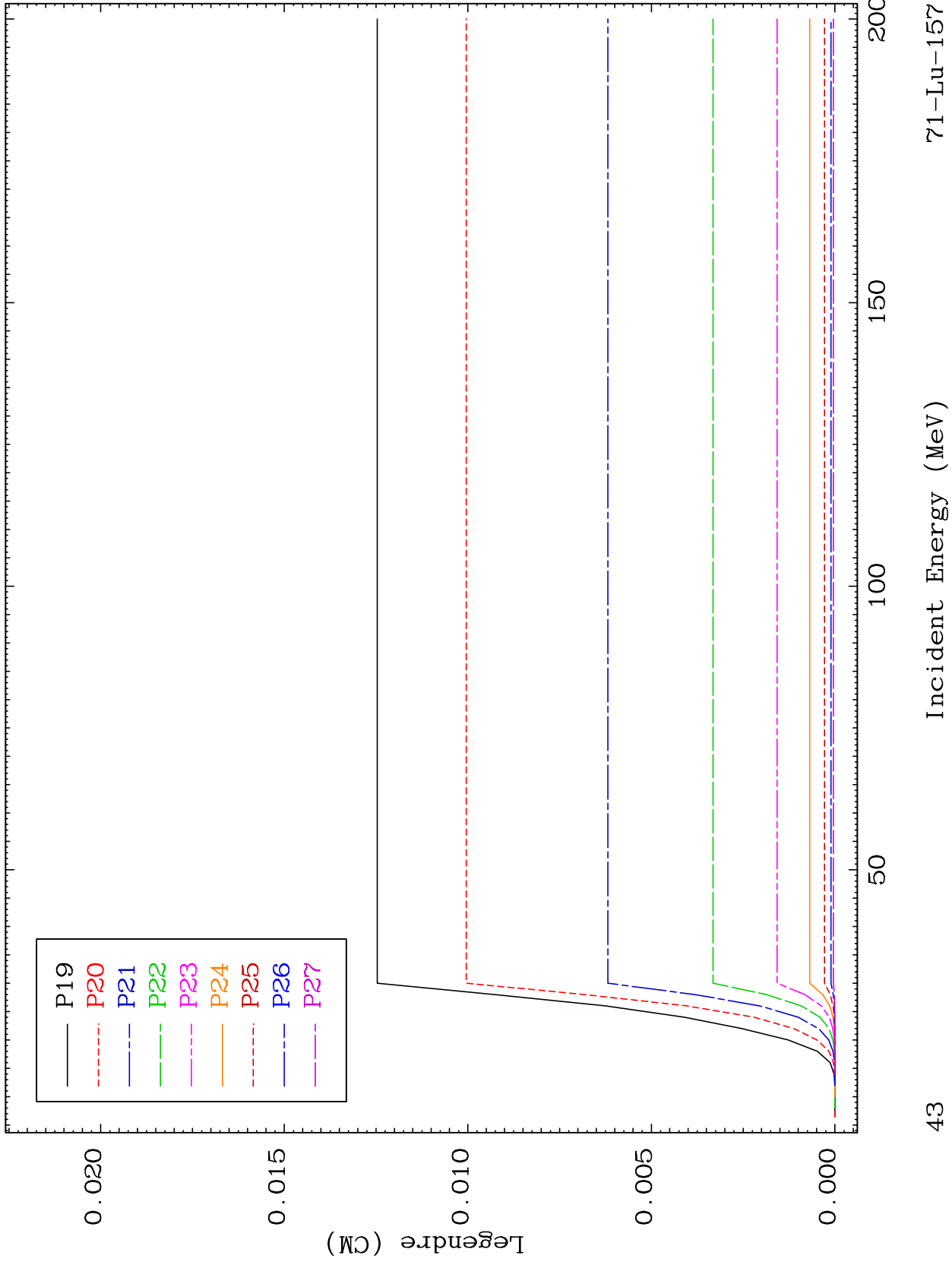
Incident Energy (MeV)

71-Lu-157

MAT 7071

857.8 keV (n, n') Level
Legendre Coefficients

71-Lu-157



43

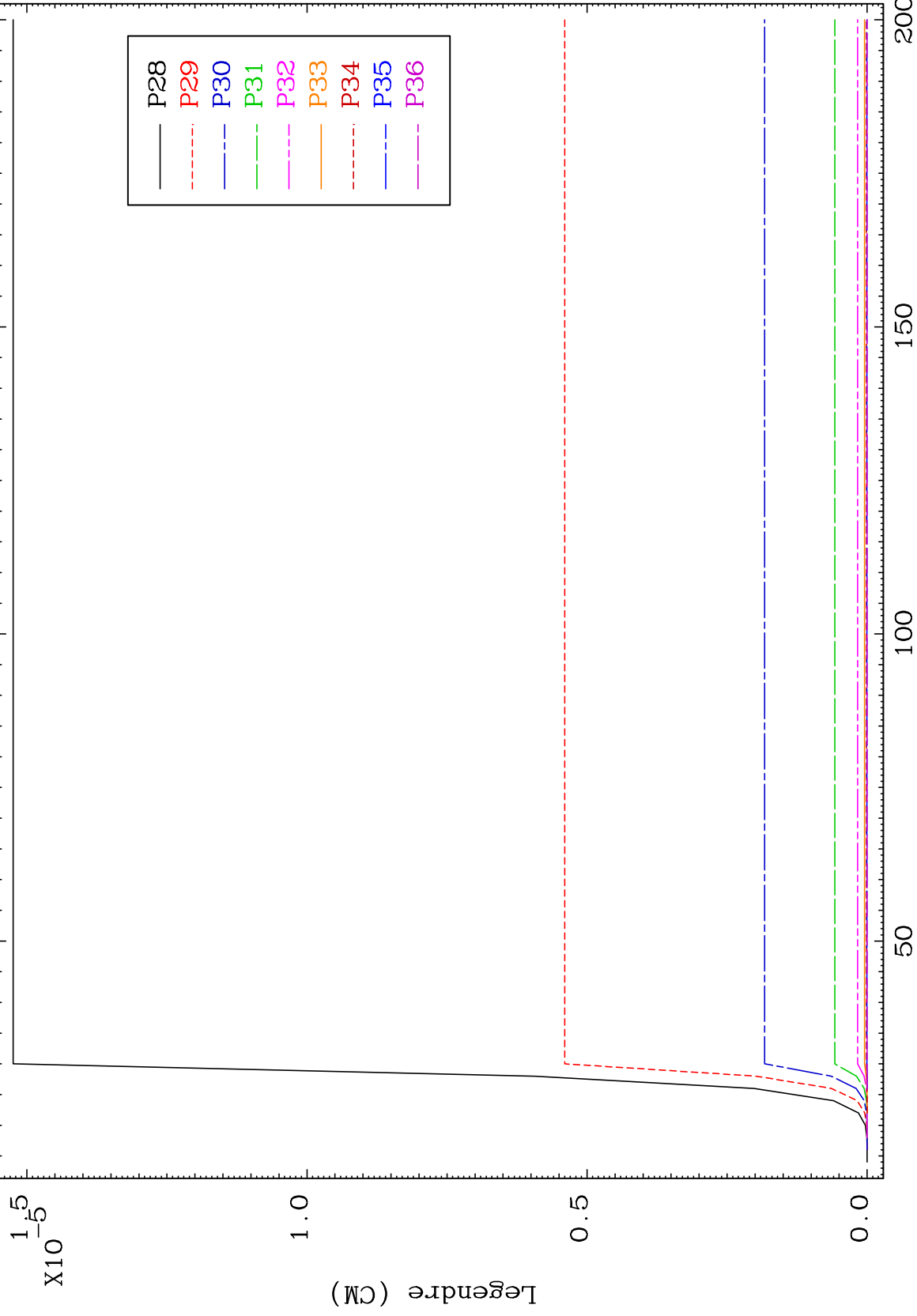
Incident Energy (MeV)

71-Lu-157

MAT 7071

857.8 keV (n,n') Level
Legendre Coefficients

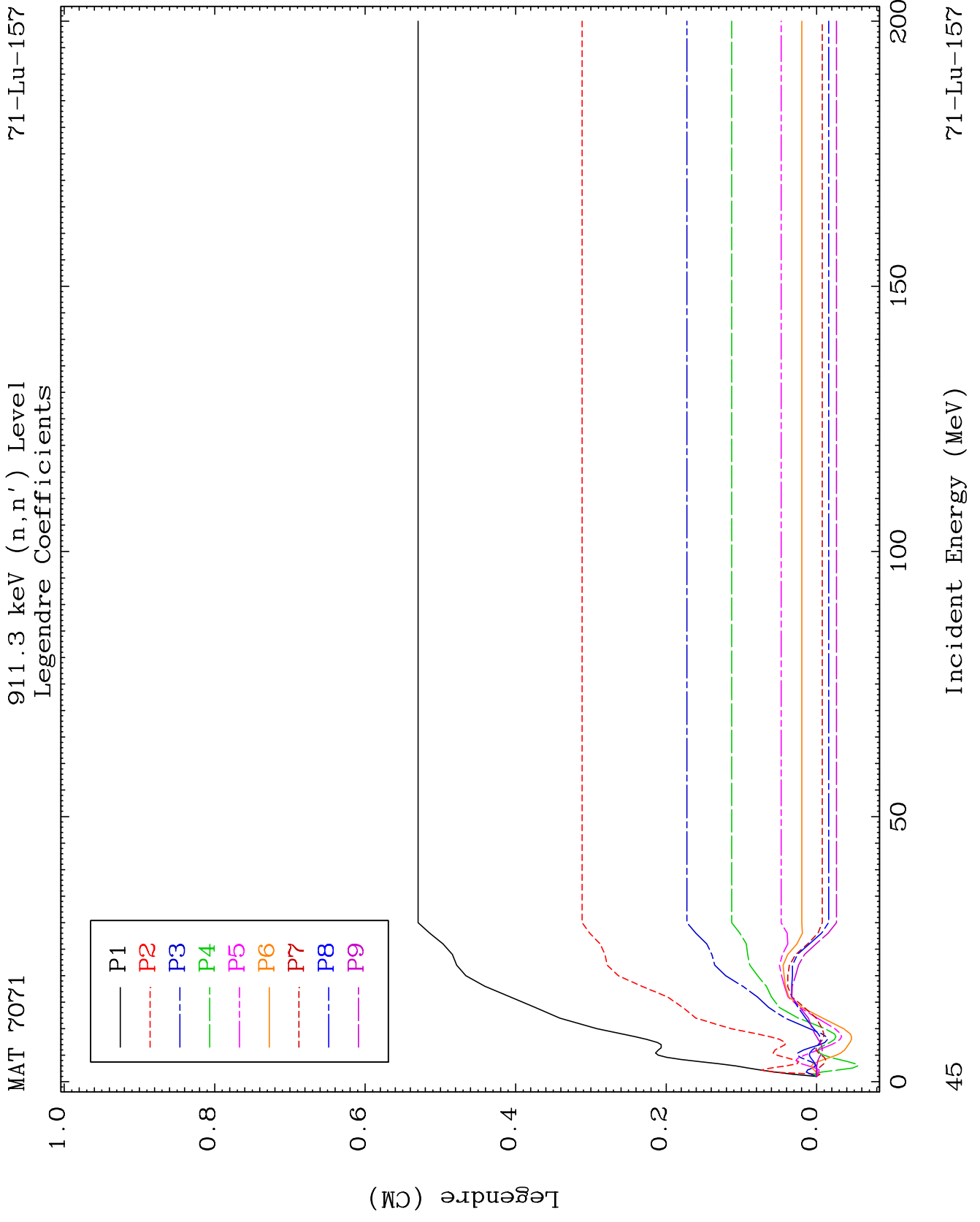
71-Lu-157



44

Incident Energy (MeV)

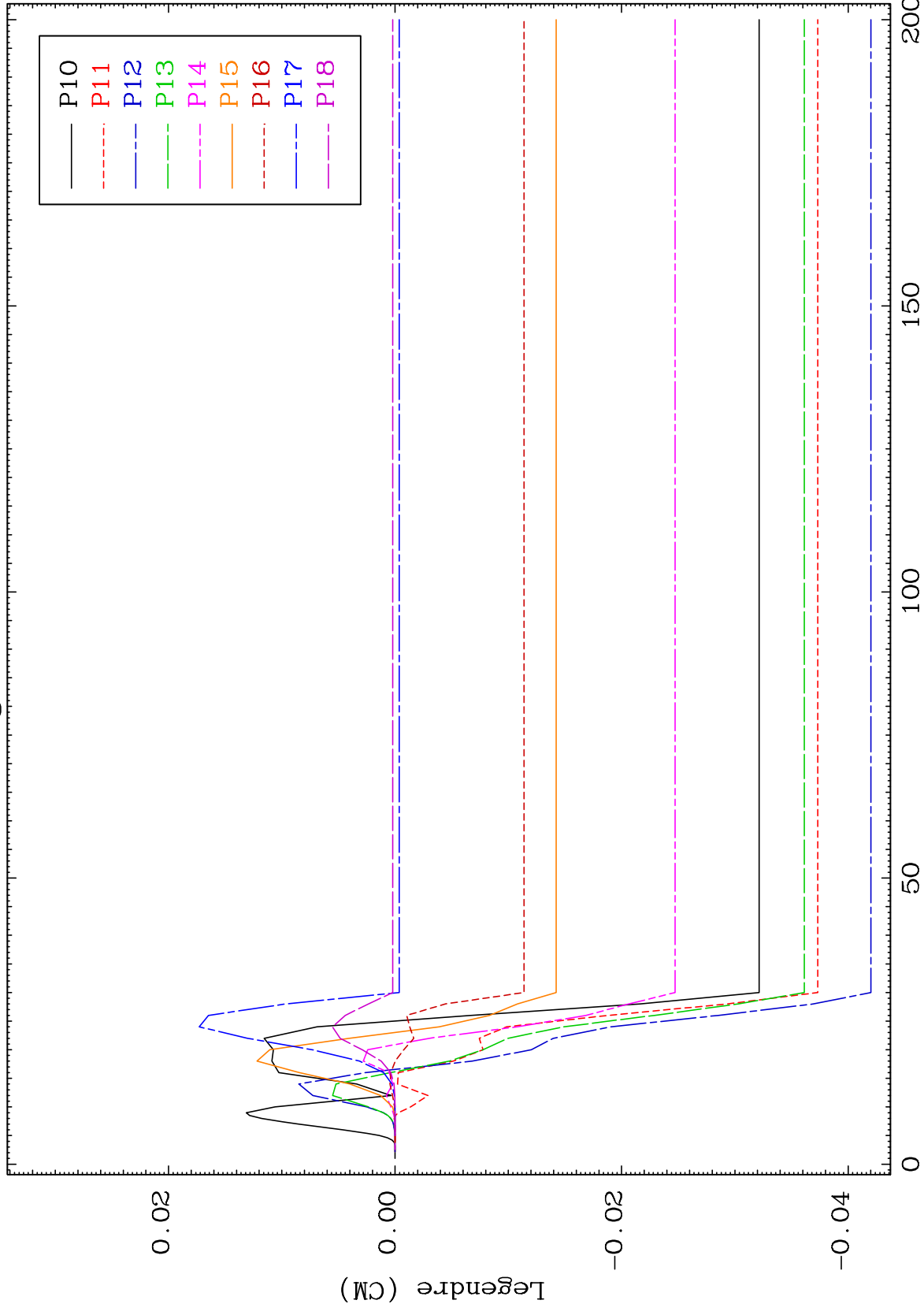
71-Lu-157



MAT 7071

911.3 keV (n,n') Level
Legendre Coefficients

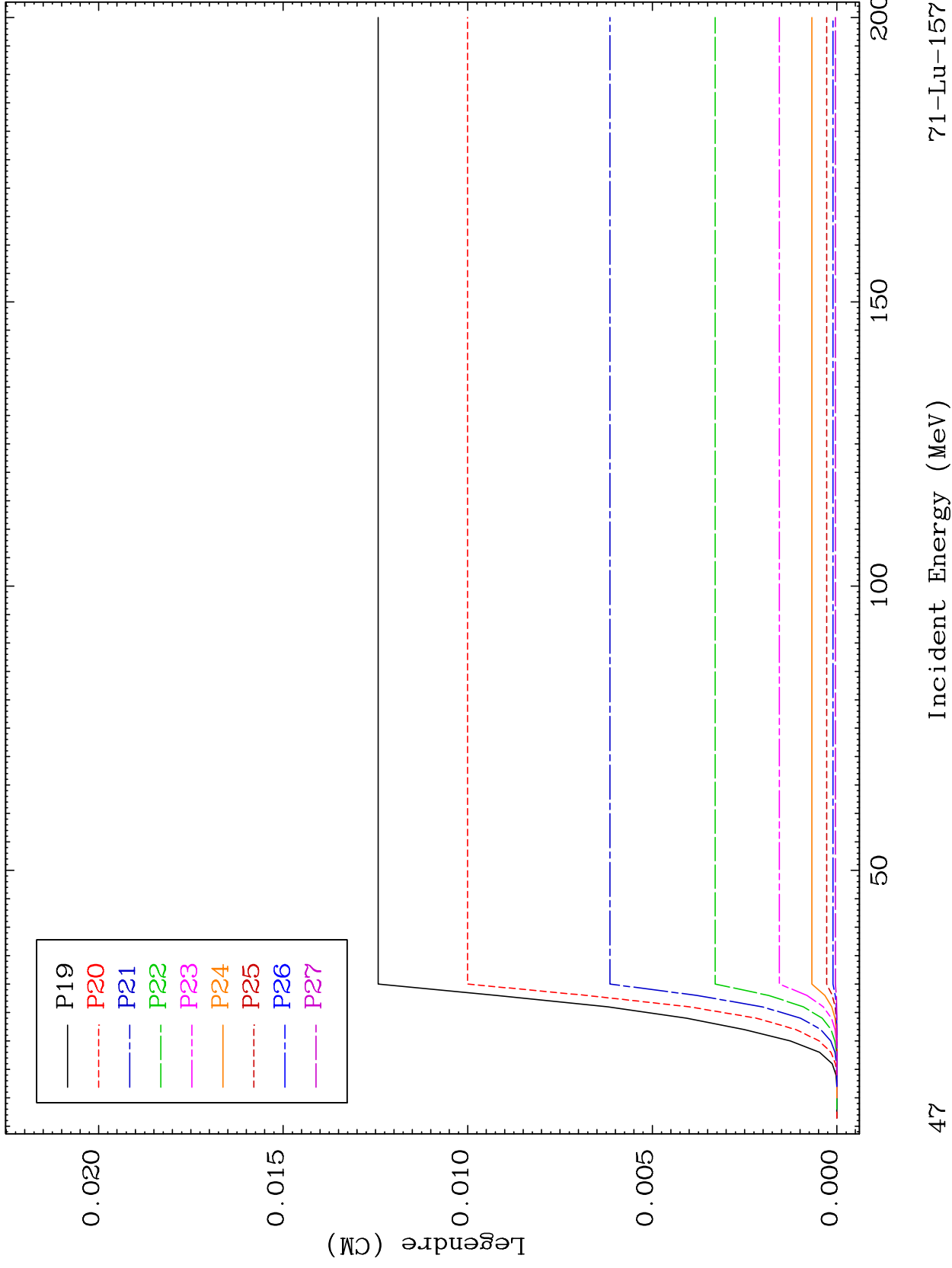
71-Lu-157

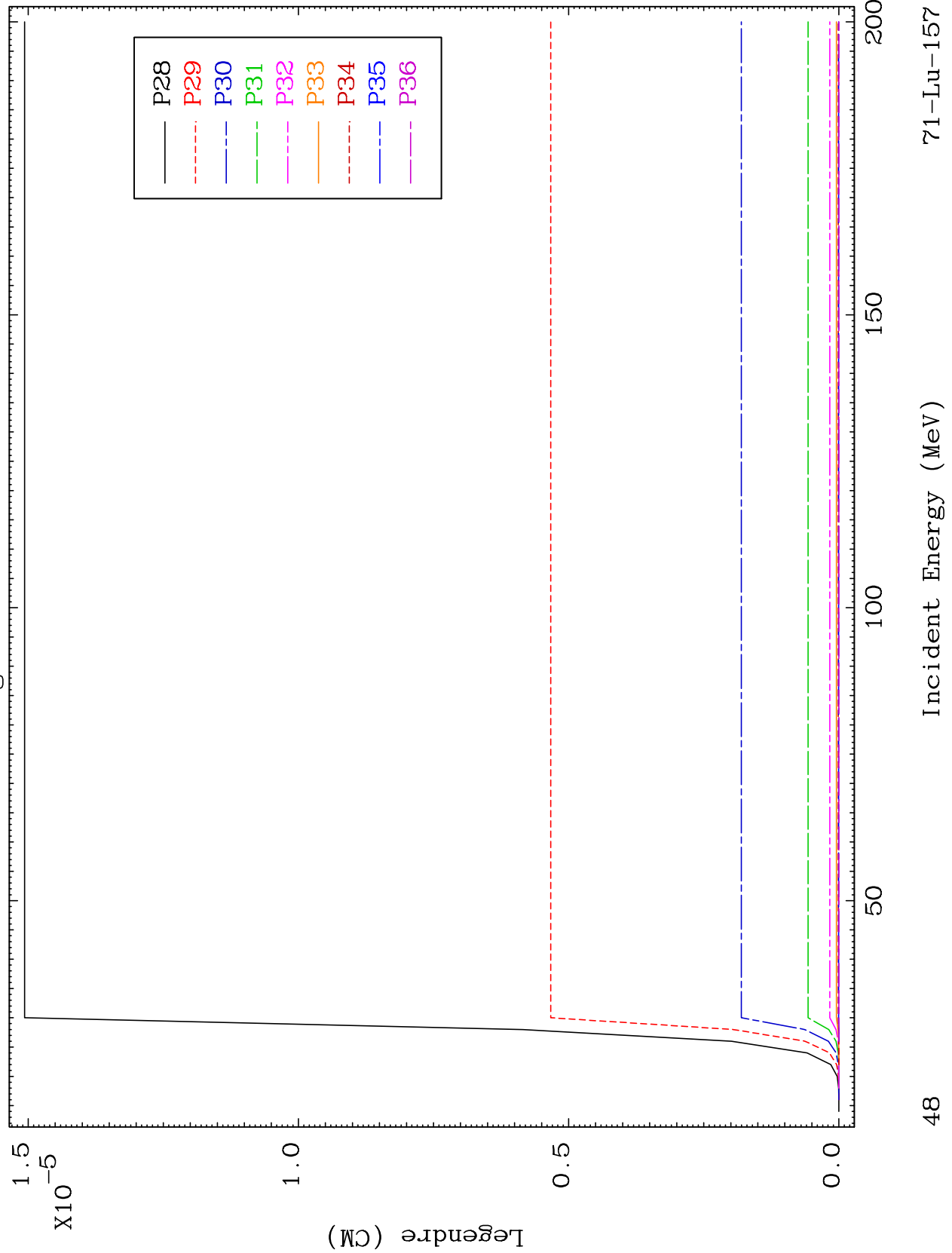


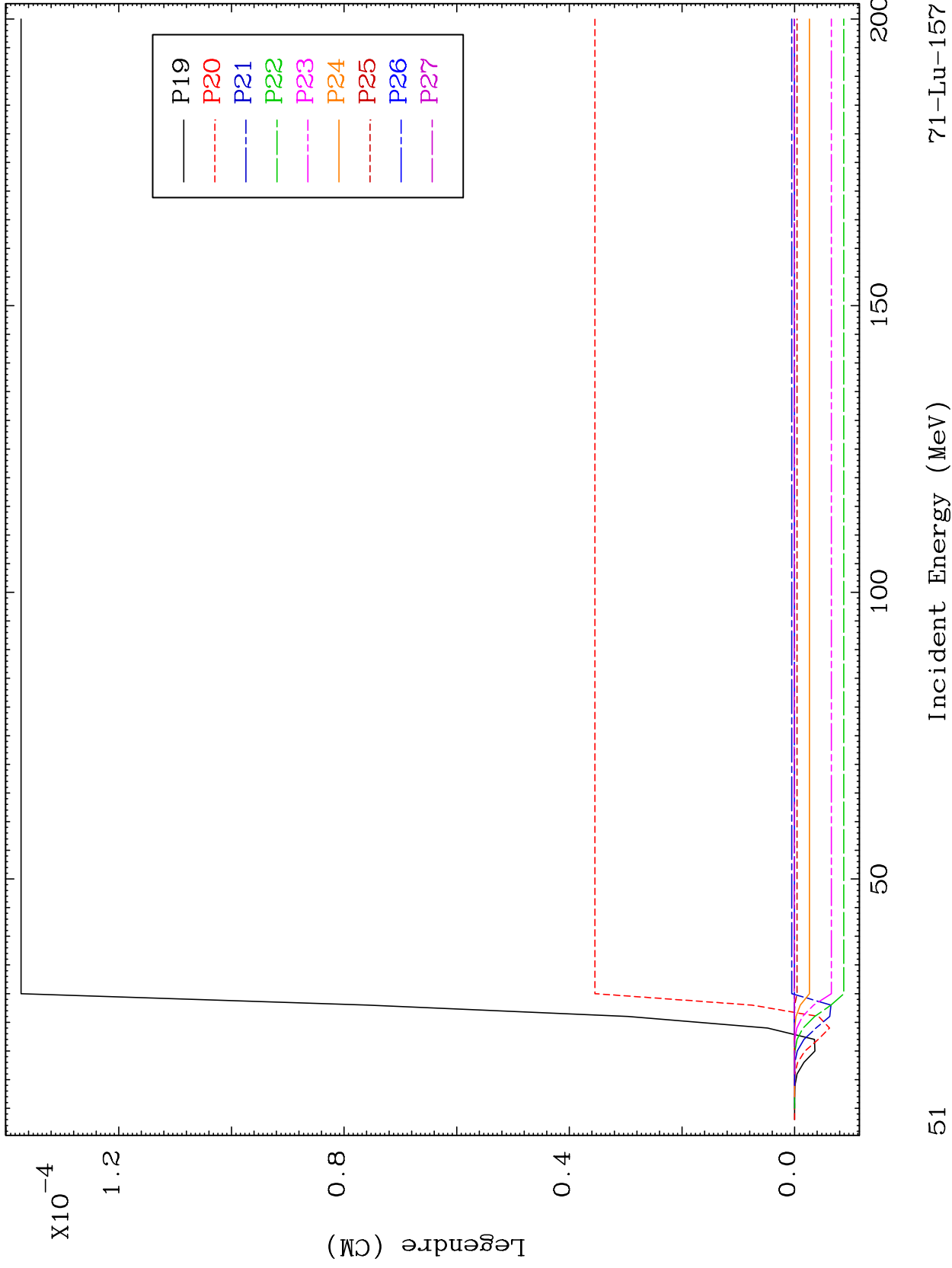
46

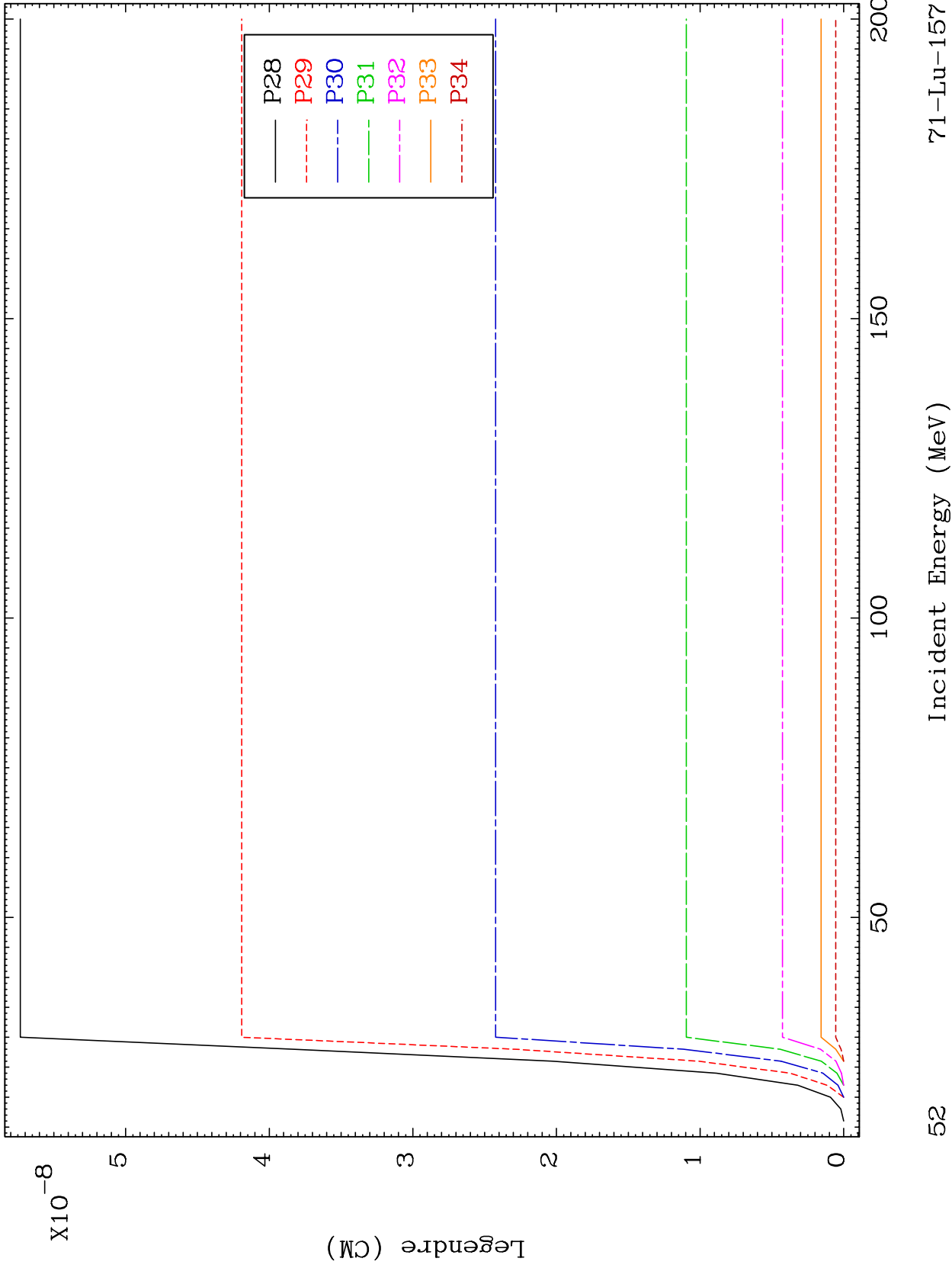
Incident Energy (MeV)

71-Lu-157





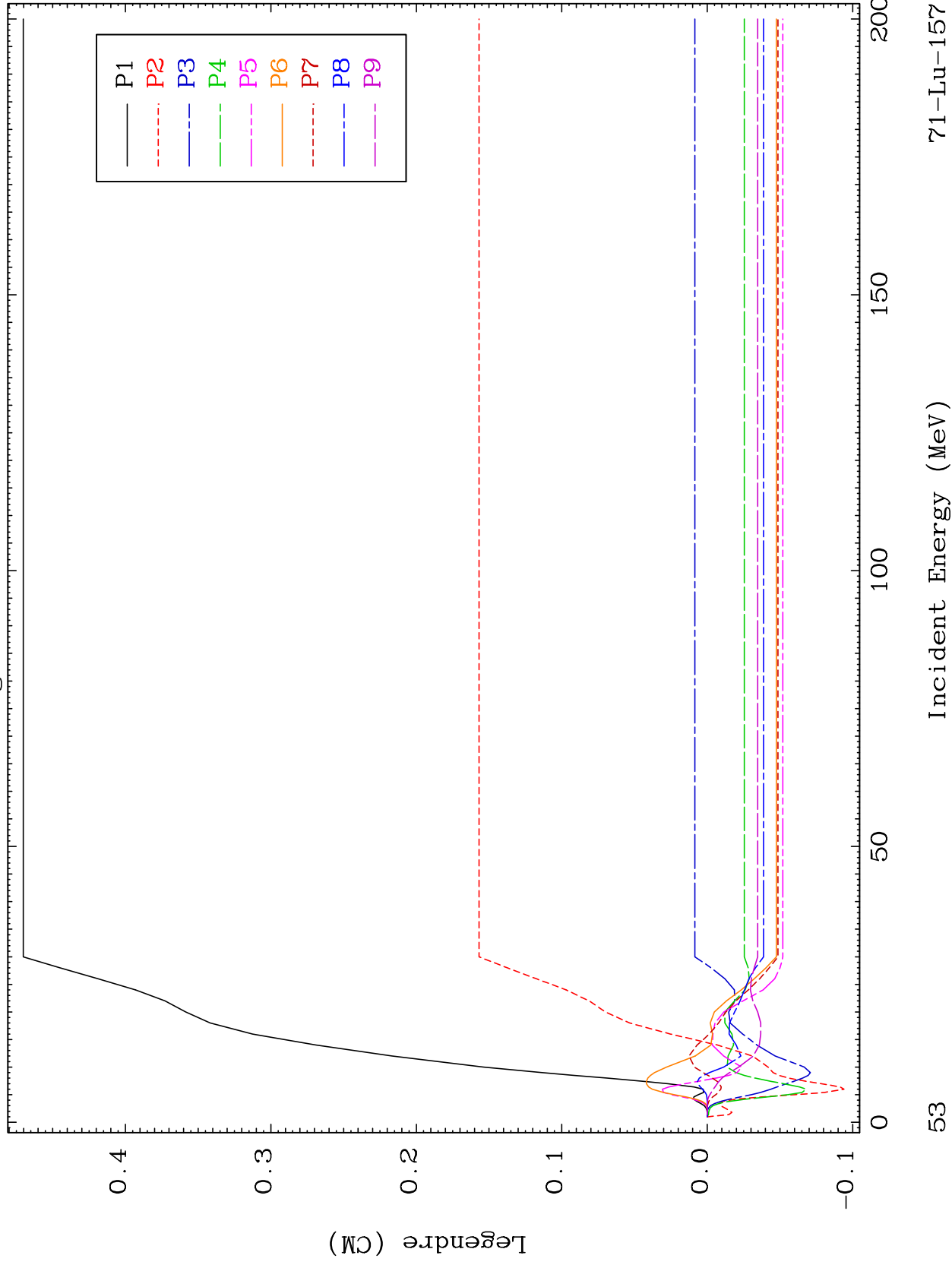




MAT 7071

941.5 keV (n,n') Level
Legendre Coefficients

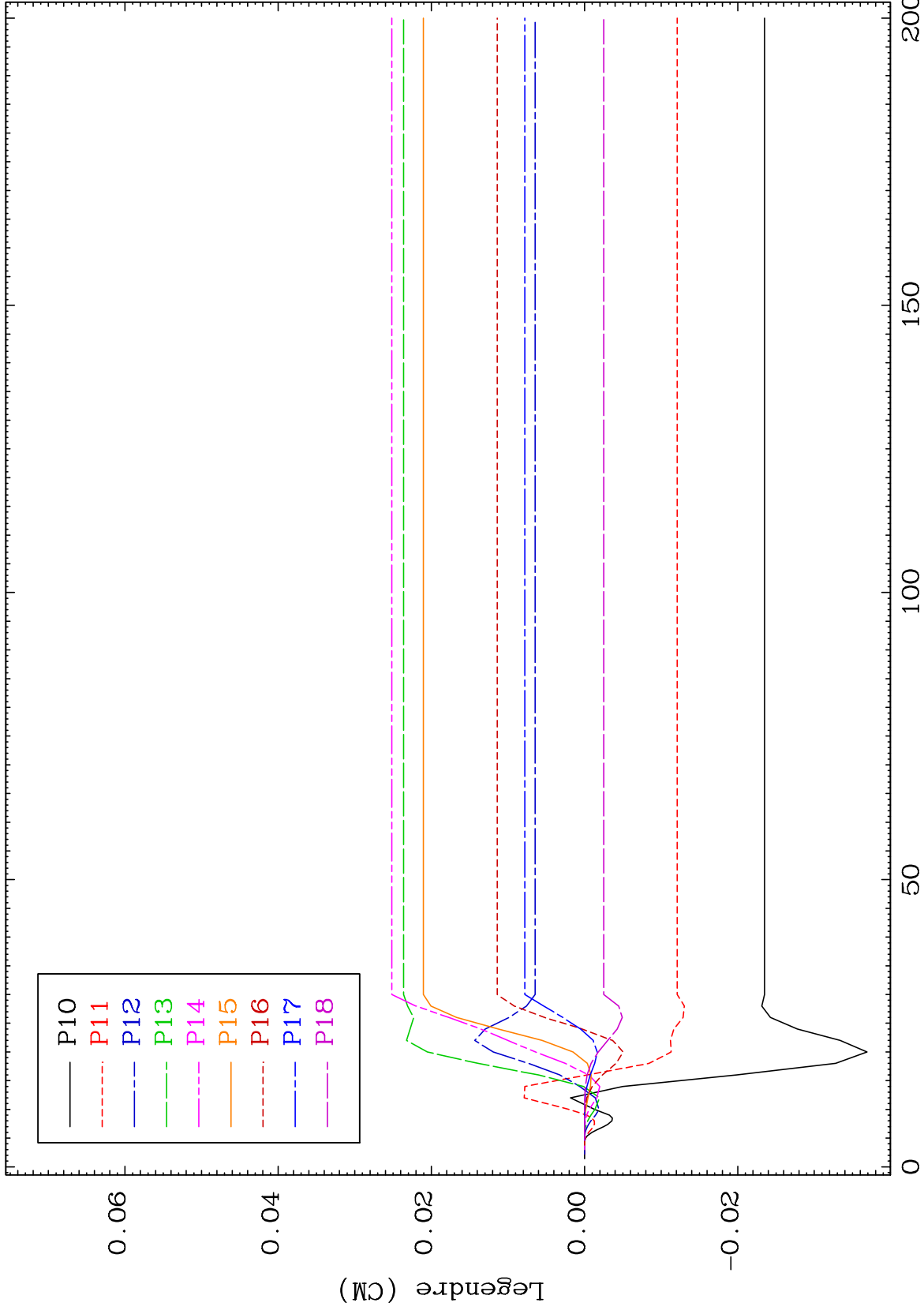
71-Lu-157



71-Lu-157

Incident Energy (MeV)

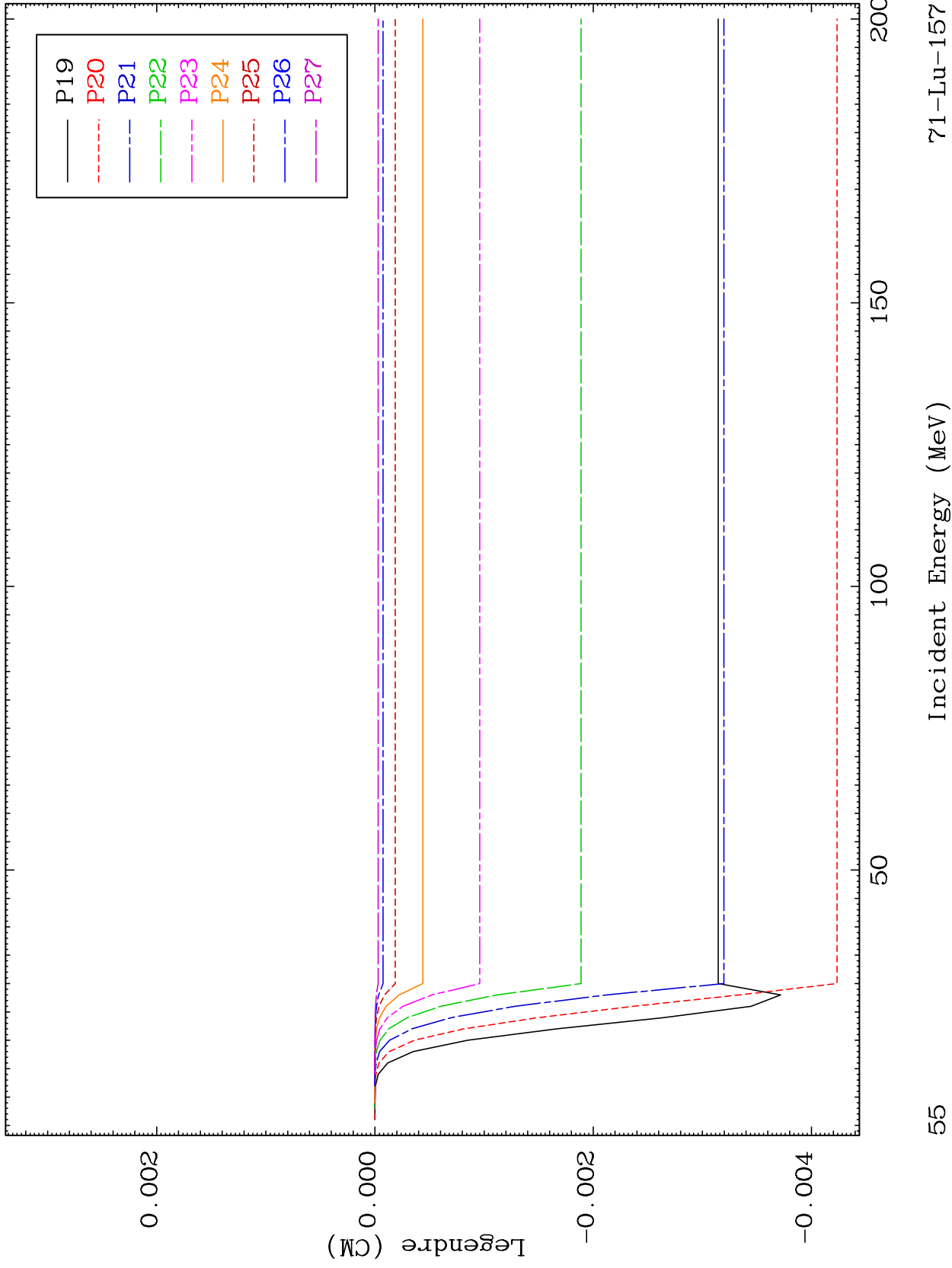
53



MAT 7071

941.5 keV (n,n') Level
Legendre Coefficients

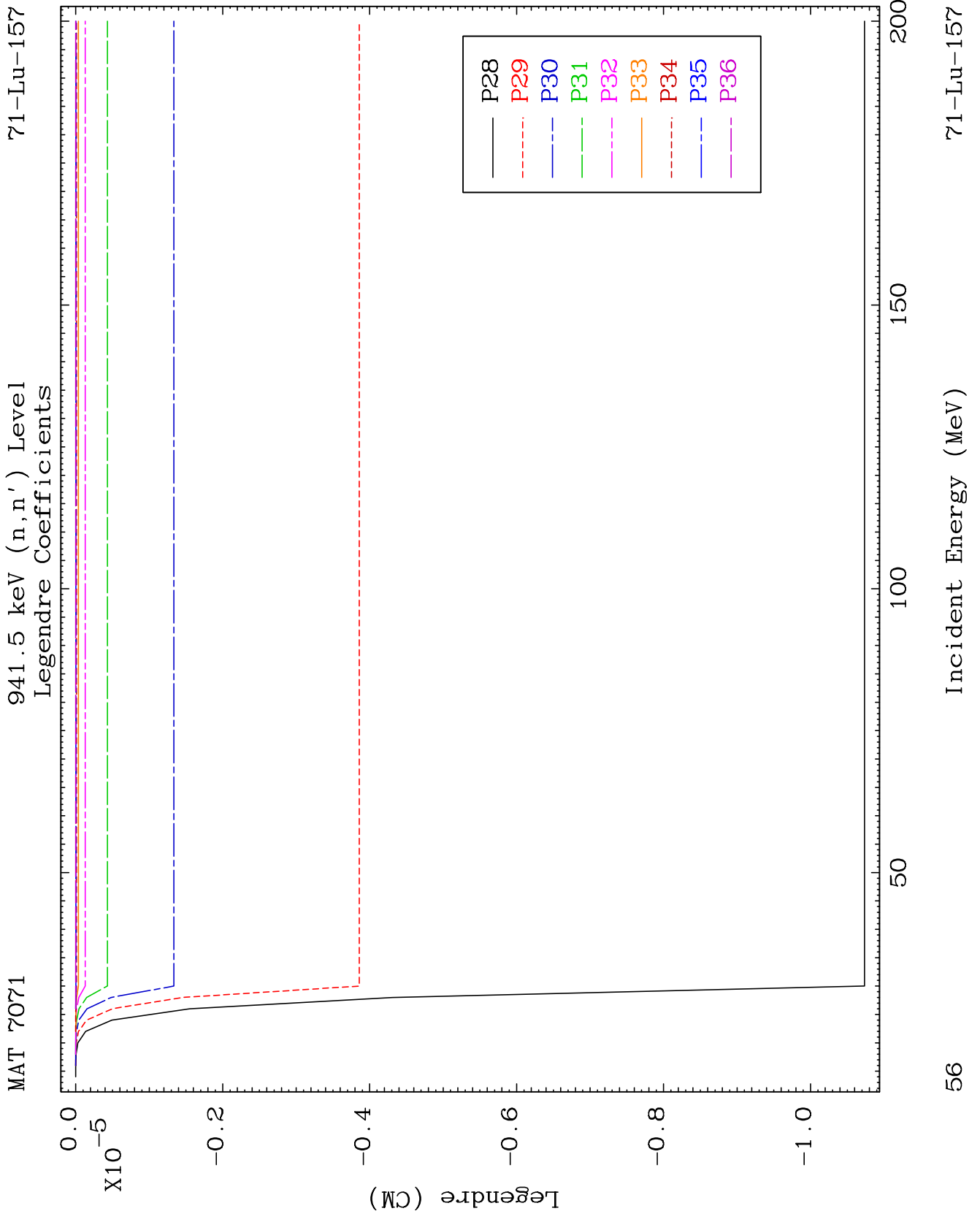
71-Lu-157



55

Incident Energy (MeV)

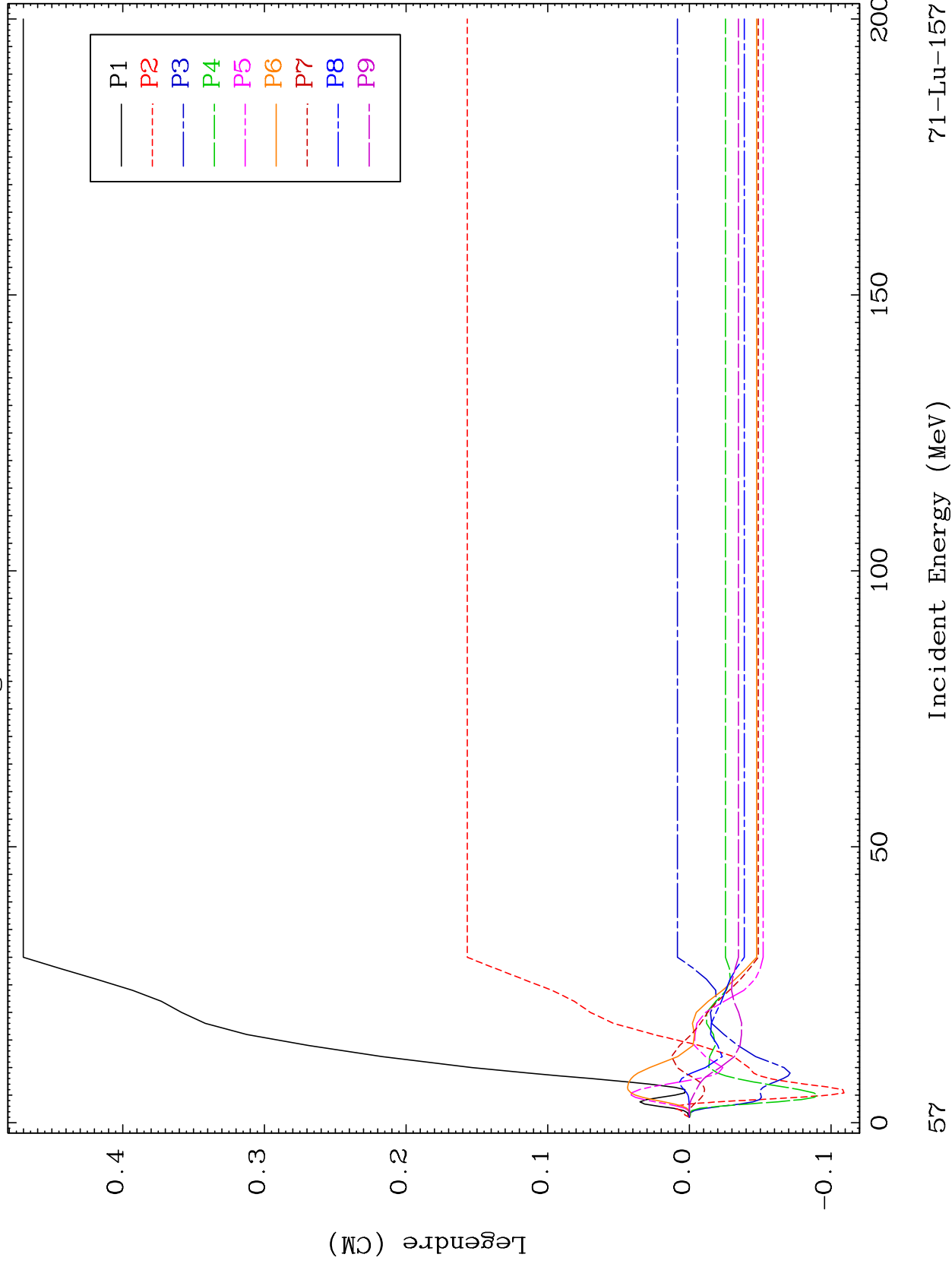
71-Lu-157



MAT 7071

943.9 keV (n, n') Level
Legendre Coefficients

71-Lu-157



71-Lu-157

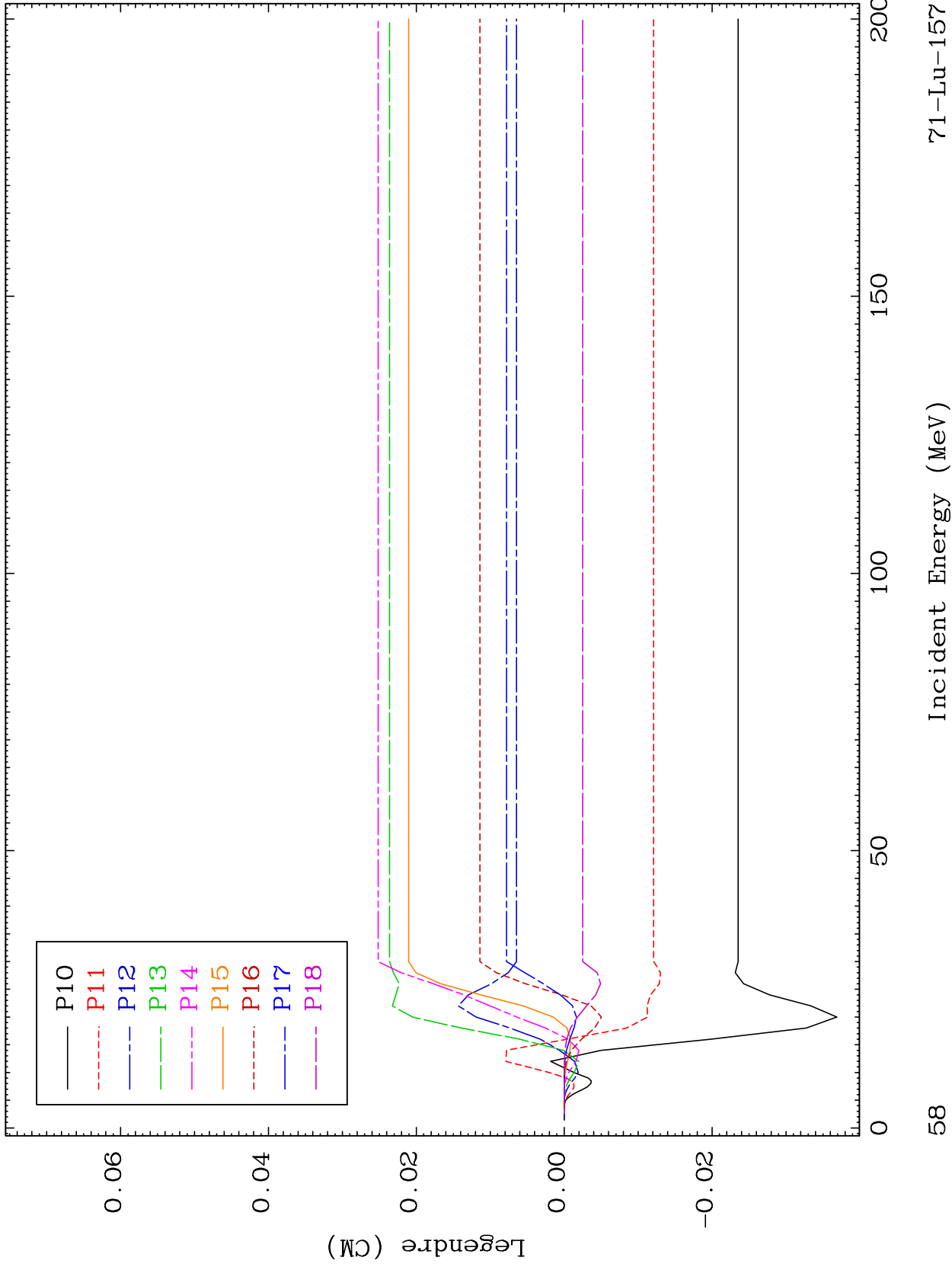
Incident Energy (MeV)

57

MAT 7071

943.9 keV (n, n') Level
Legendre Coefficients

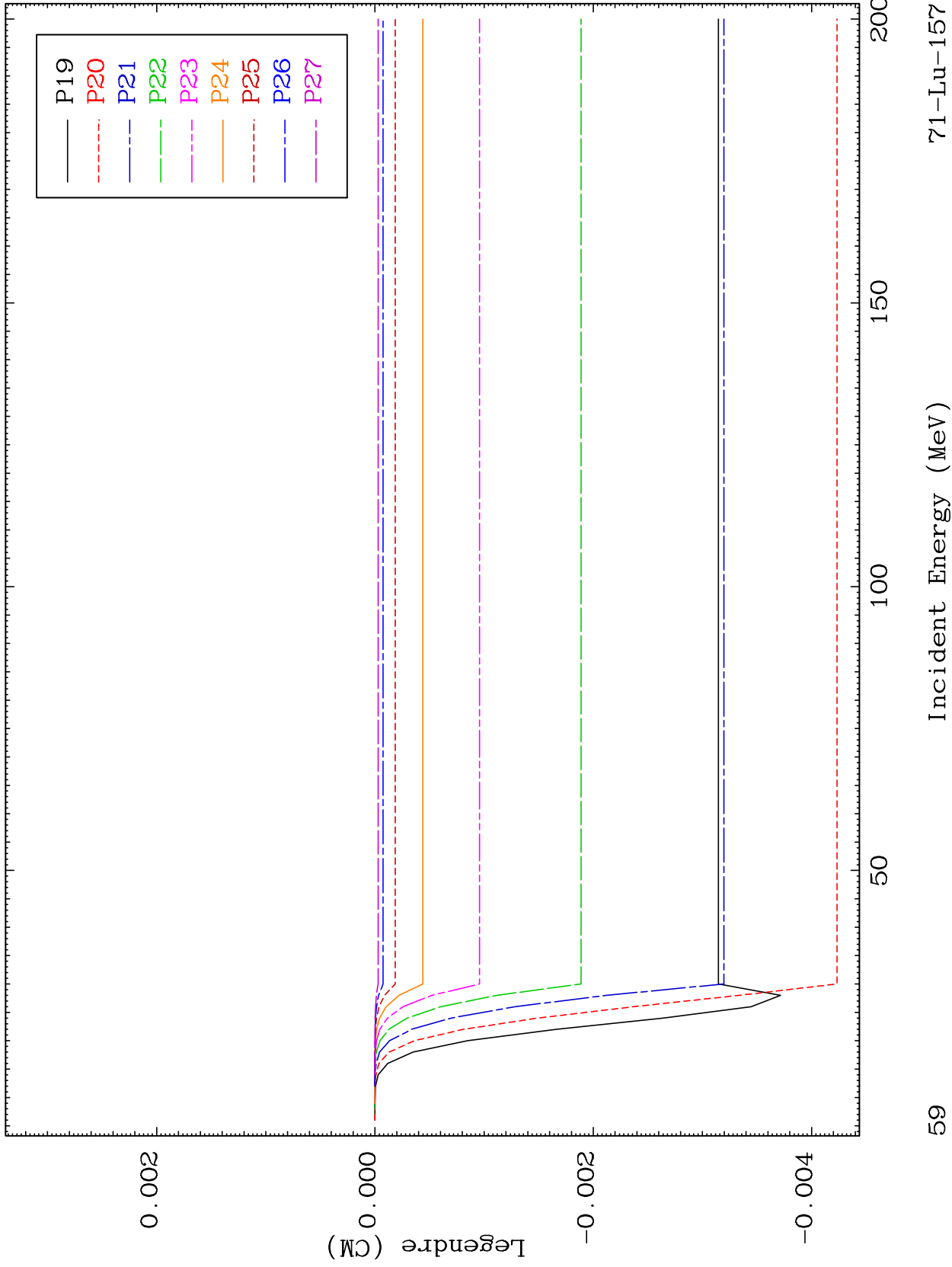
71-Lu-157

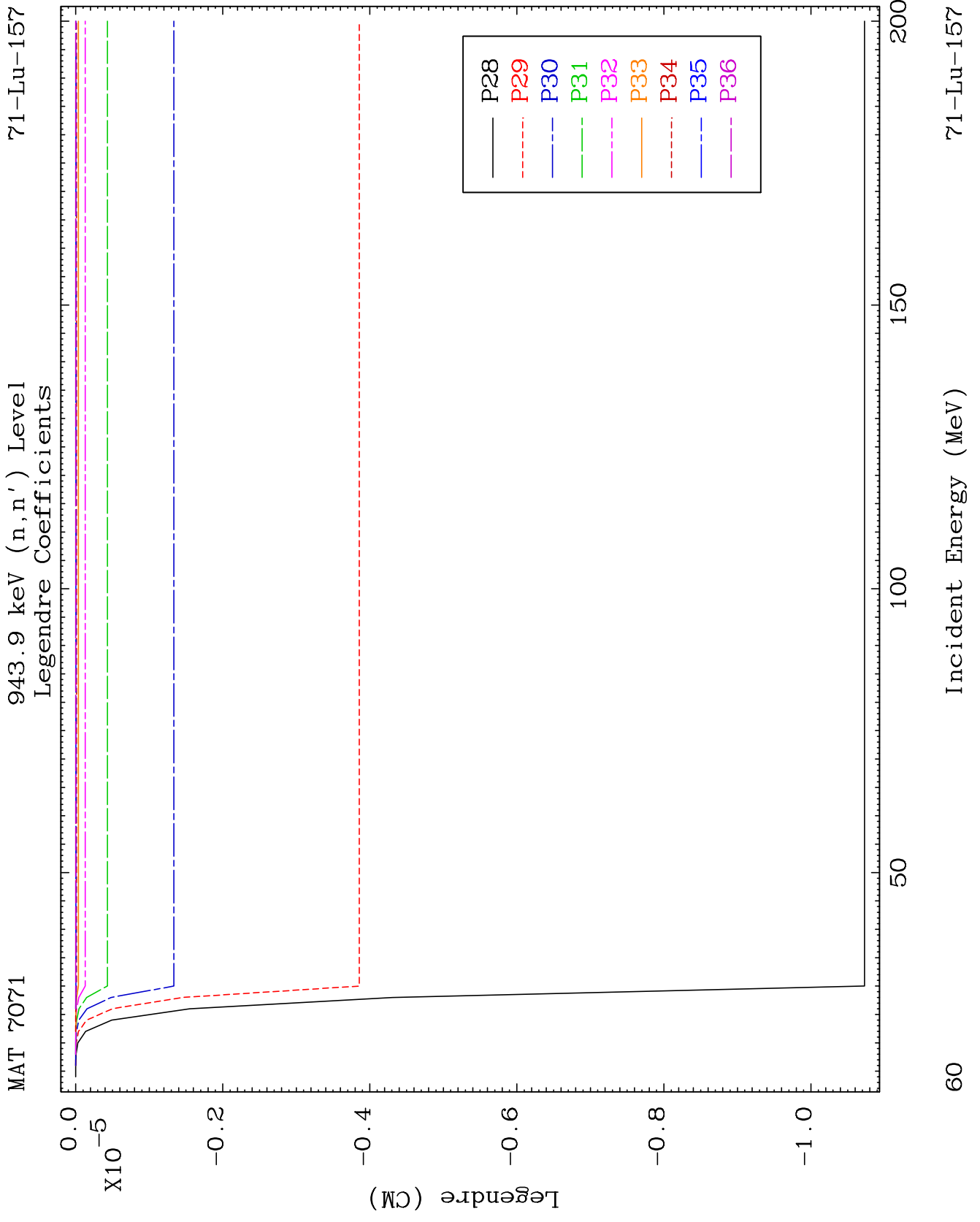


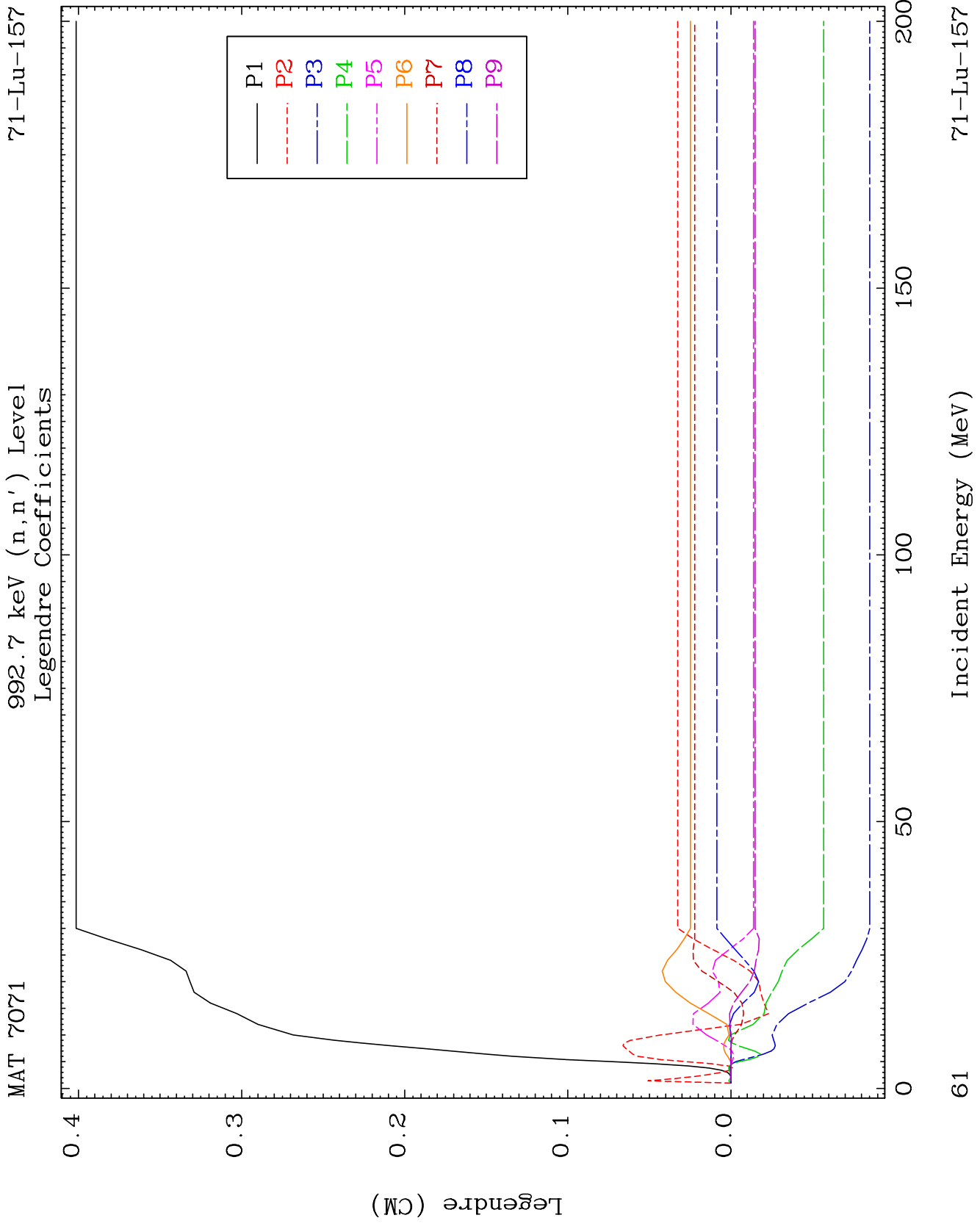
71-Lu-157

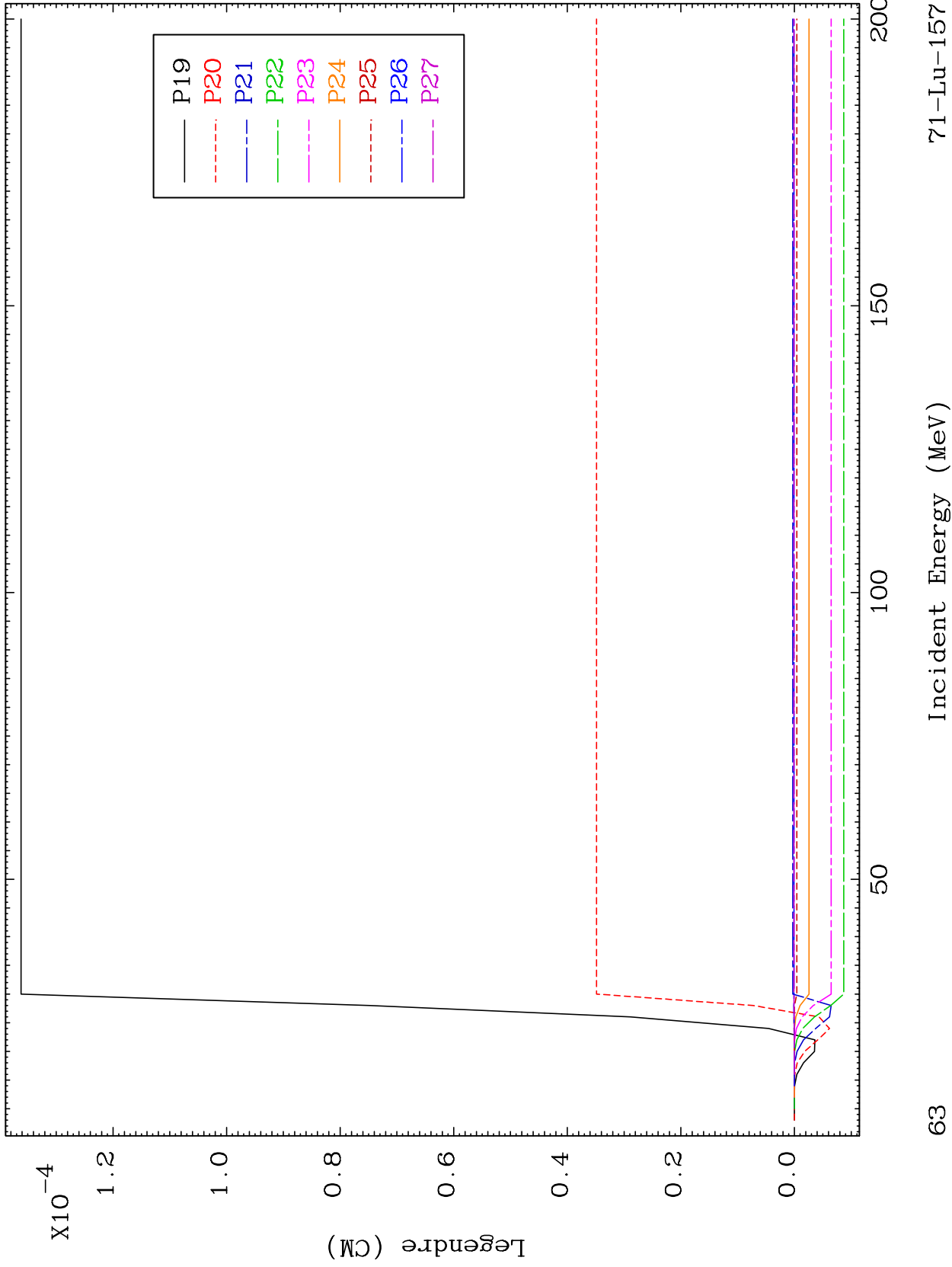
Incident Energy (MeV)

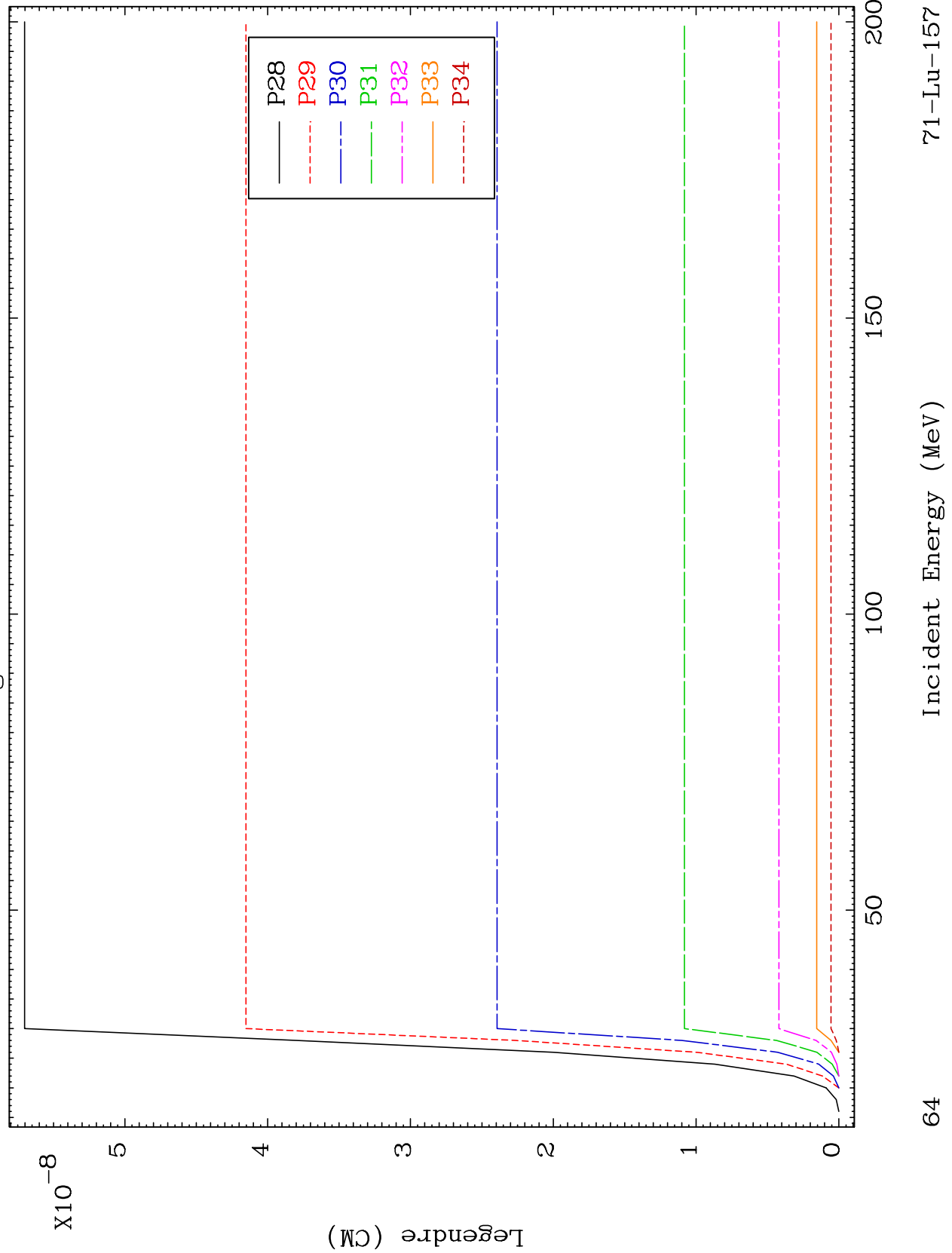
58

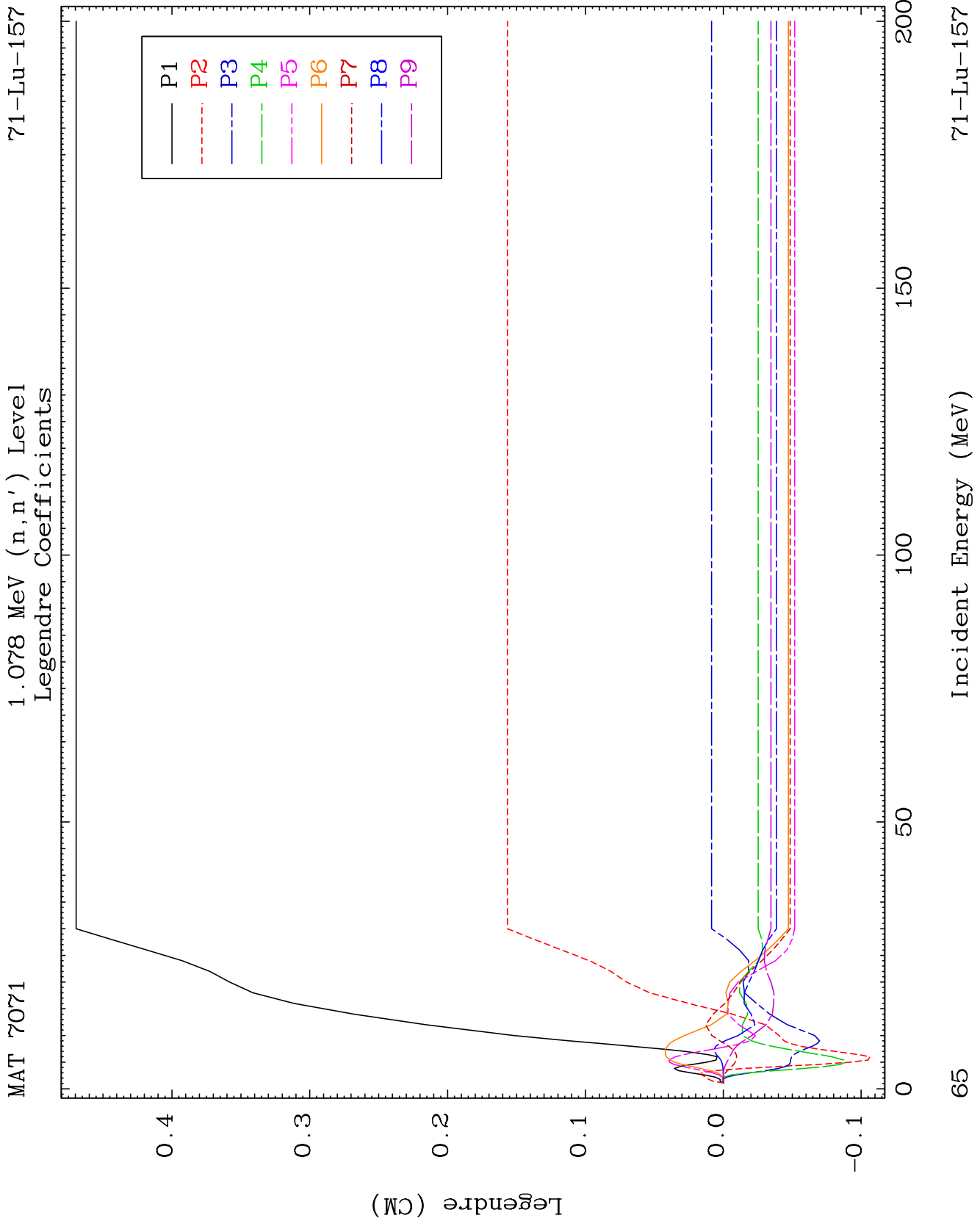








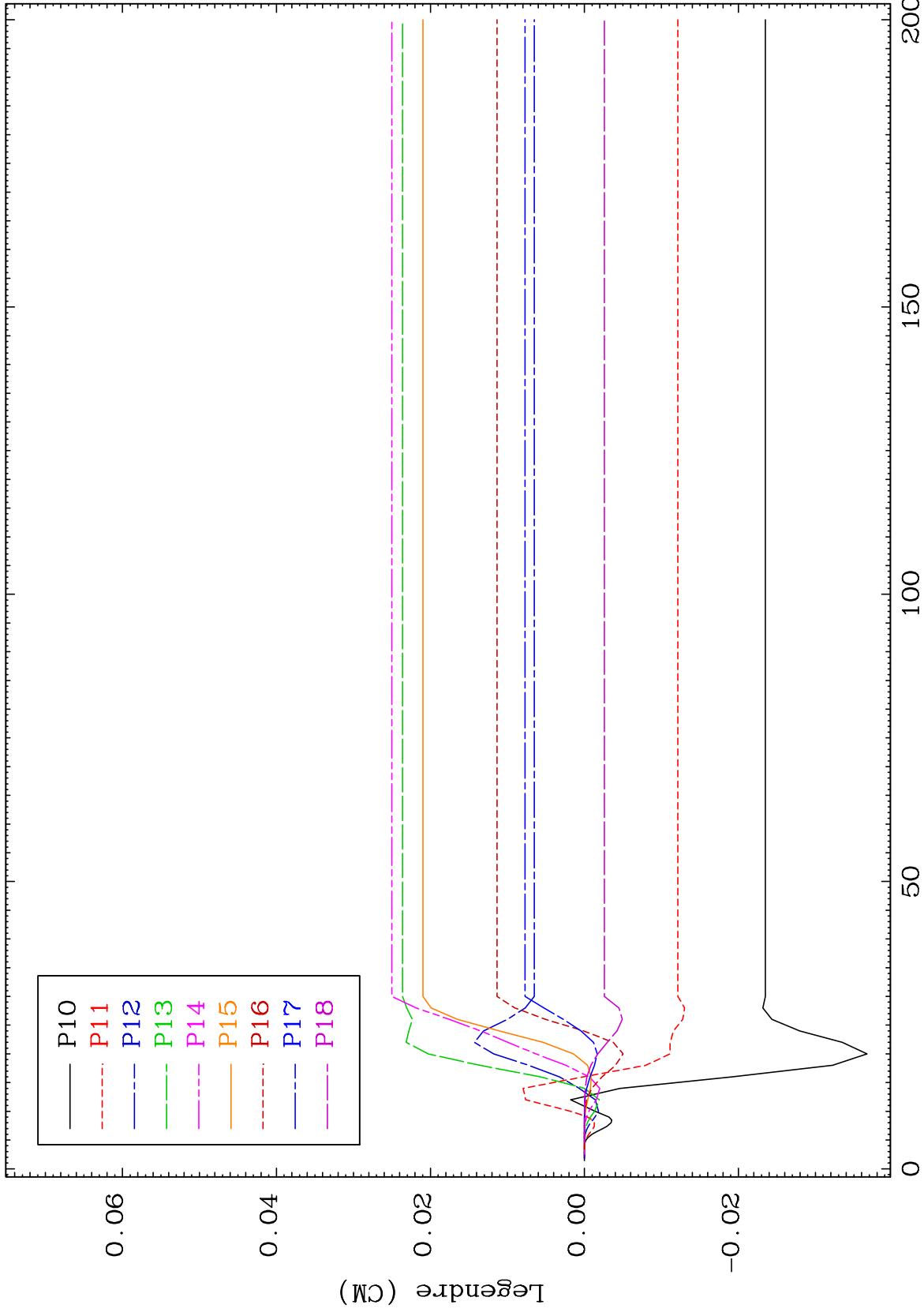




MAT 7071

1.078 MeV (n,n') Level
Legendre Coefficients

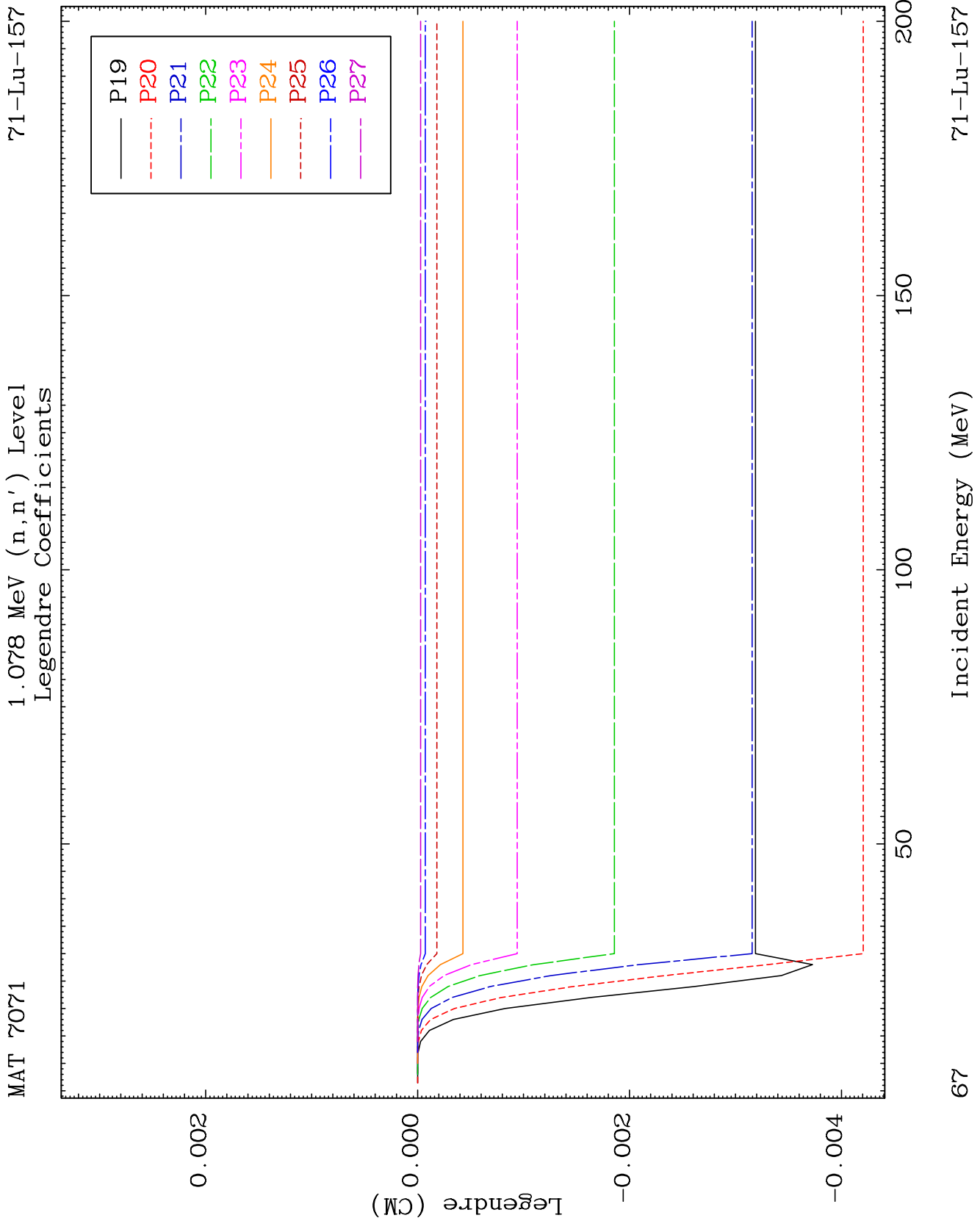
71-Lu-157

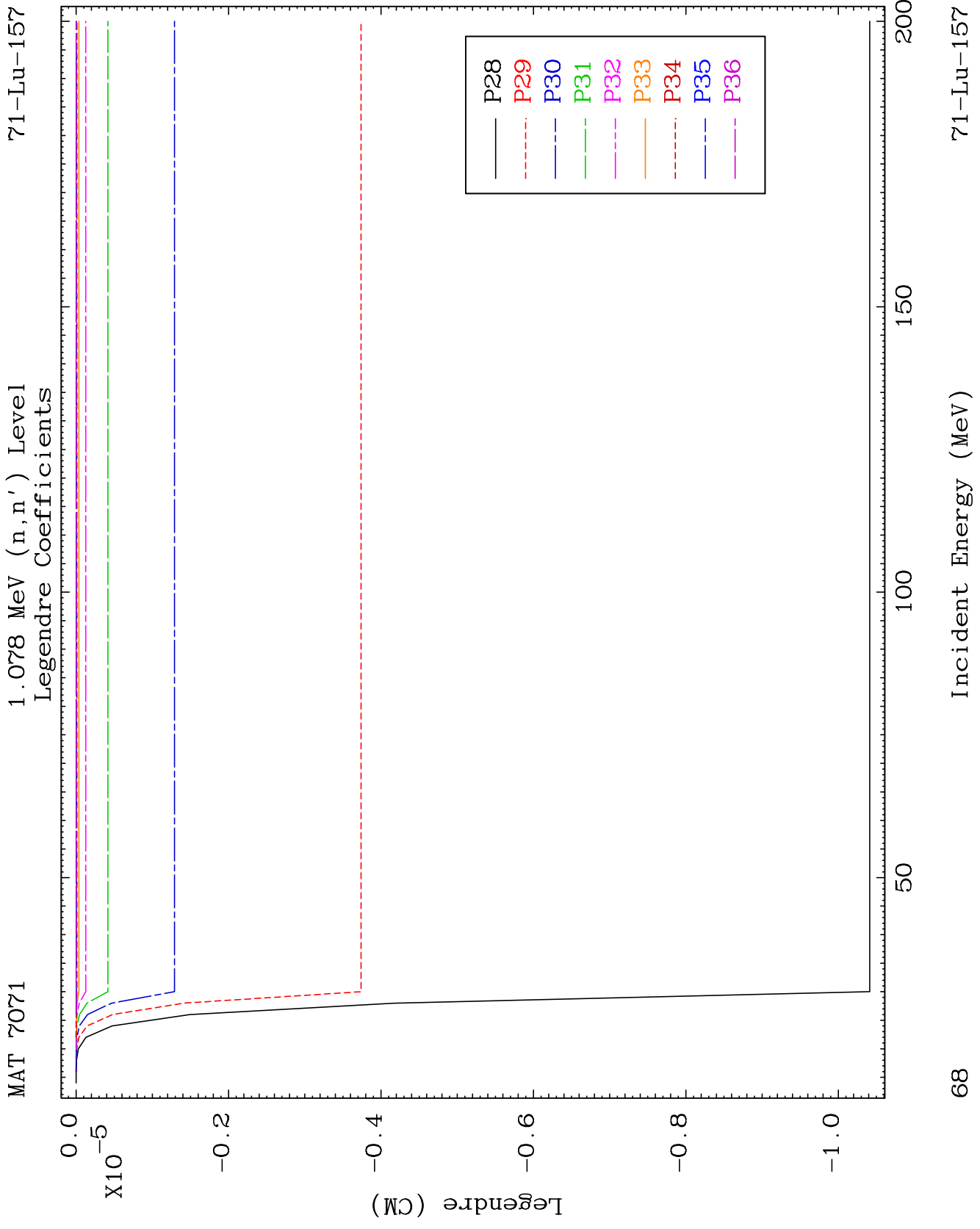


66

Incident Energy (MeV)

71-Lu-157

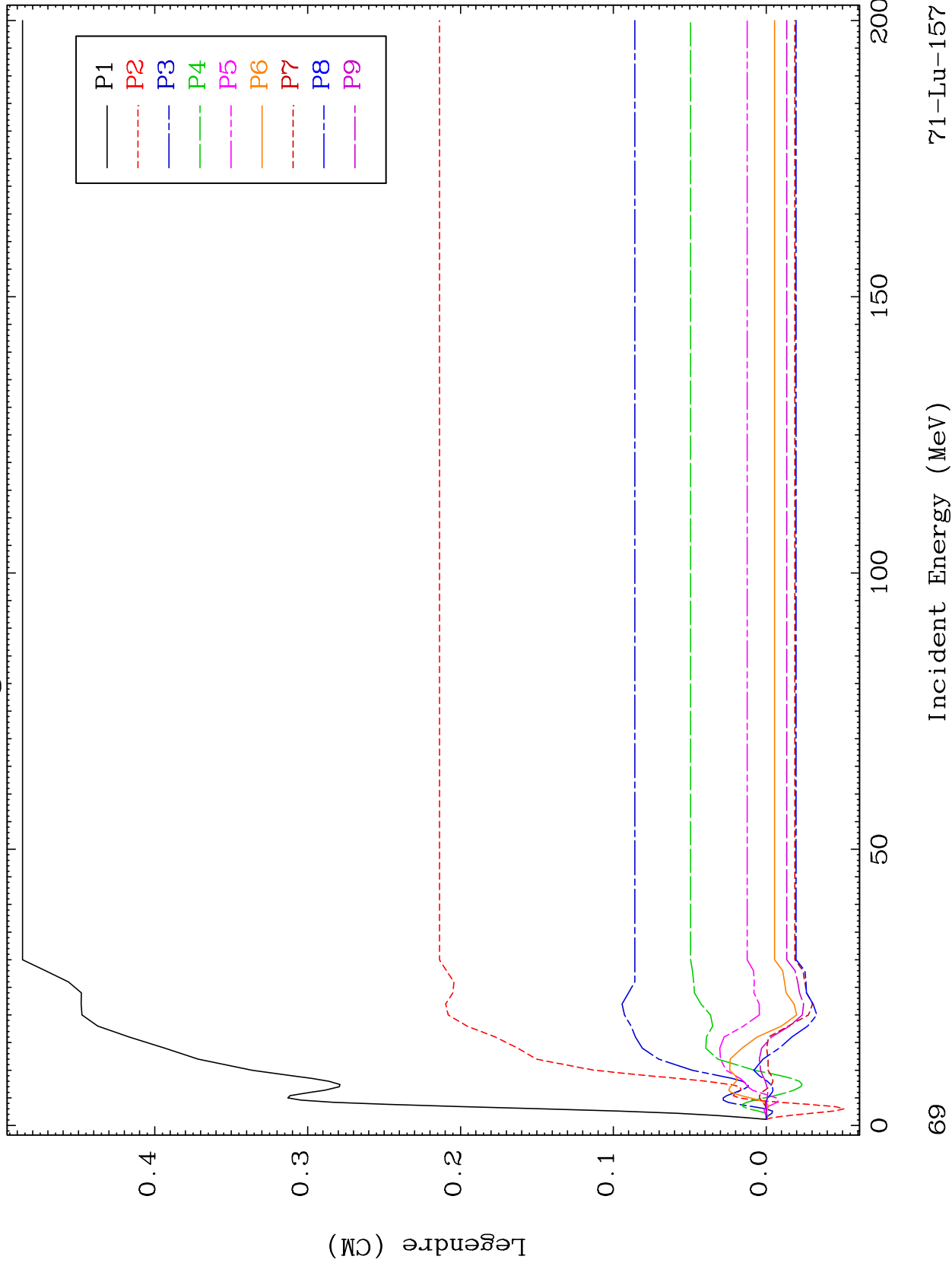




MAT 7071

1.081 MeV (n,n') Level
Legendre Coefficients

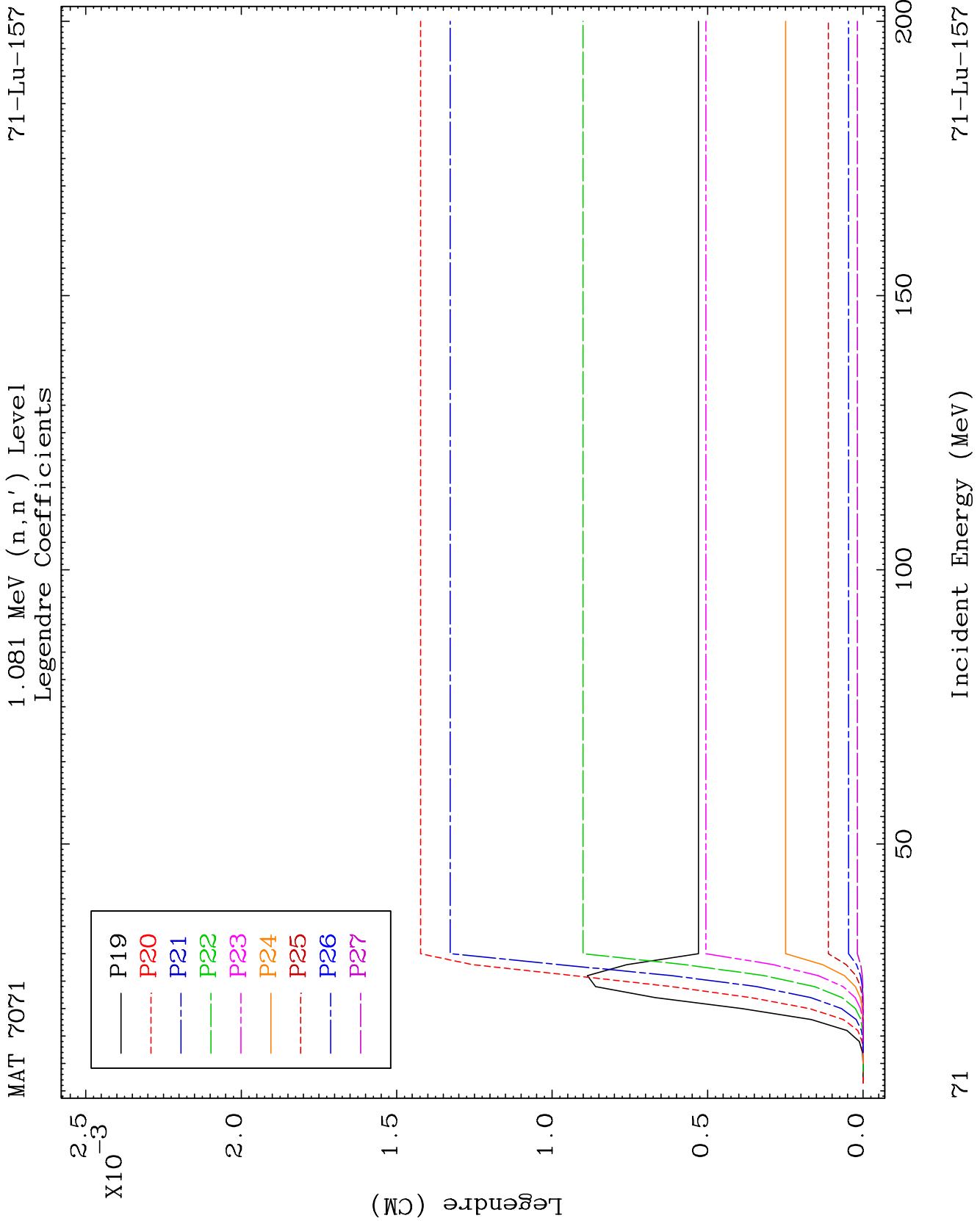
71-Lu-157

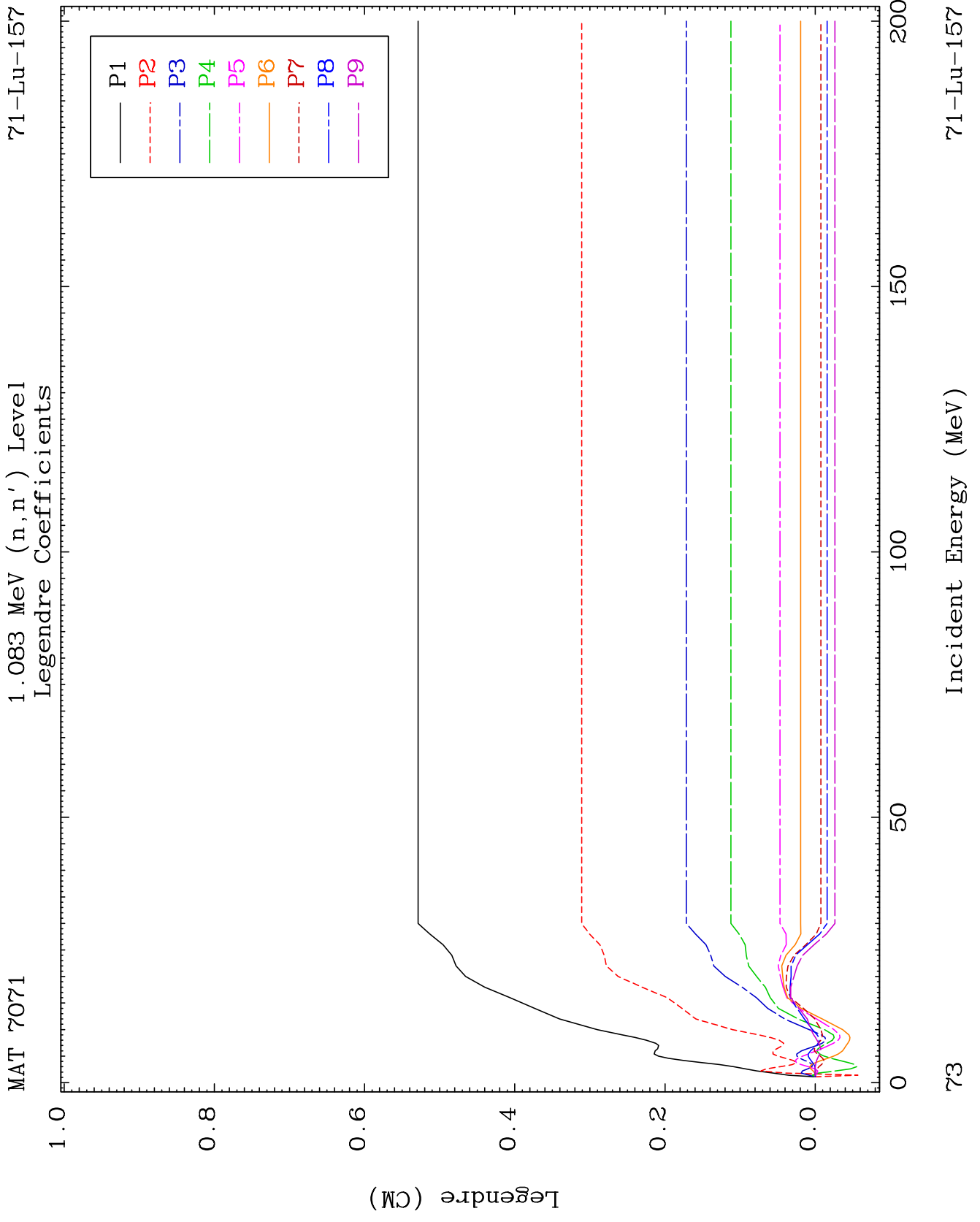


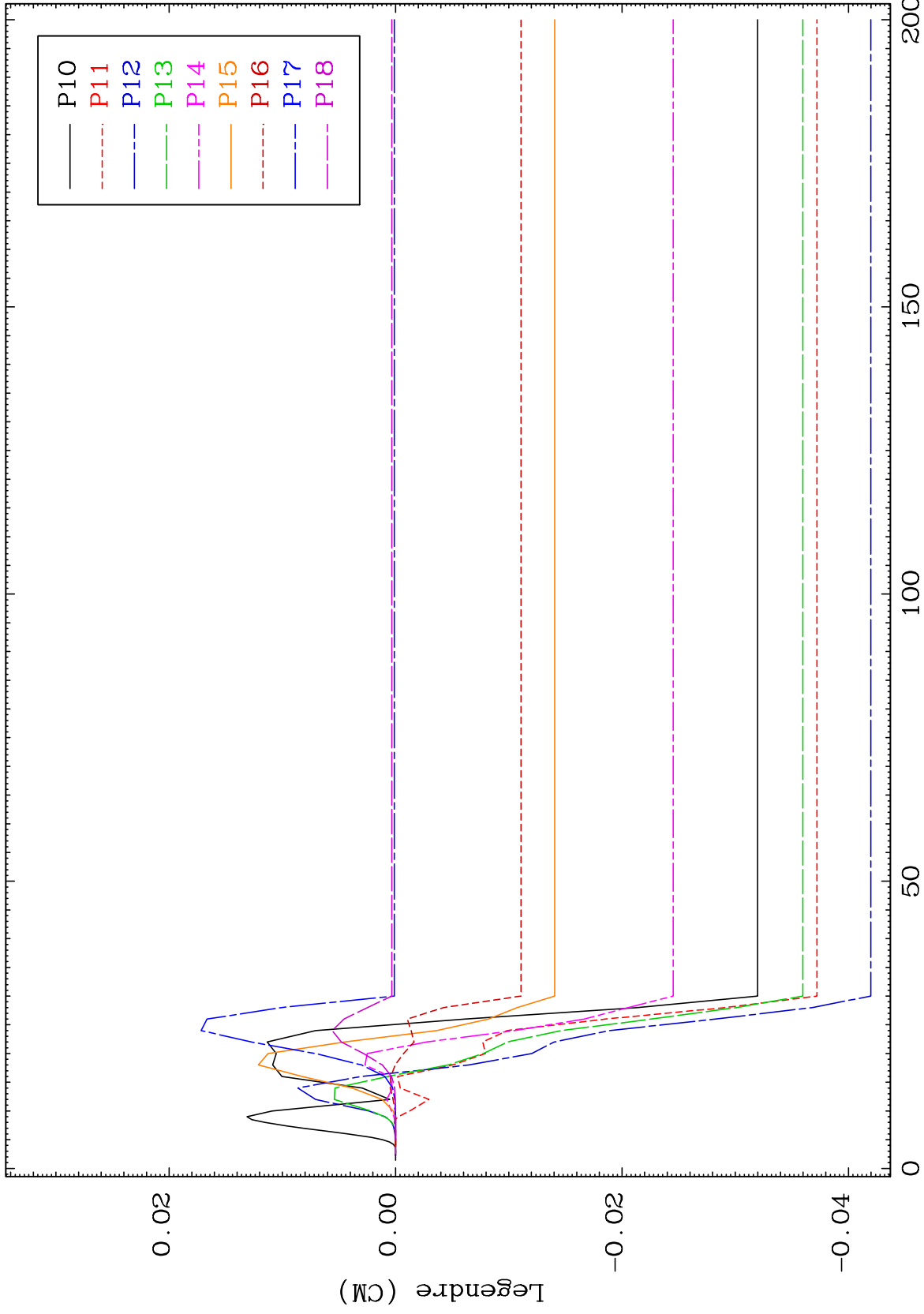
71-Lu-157

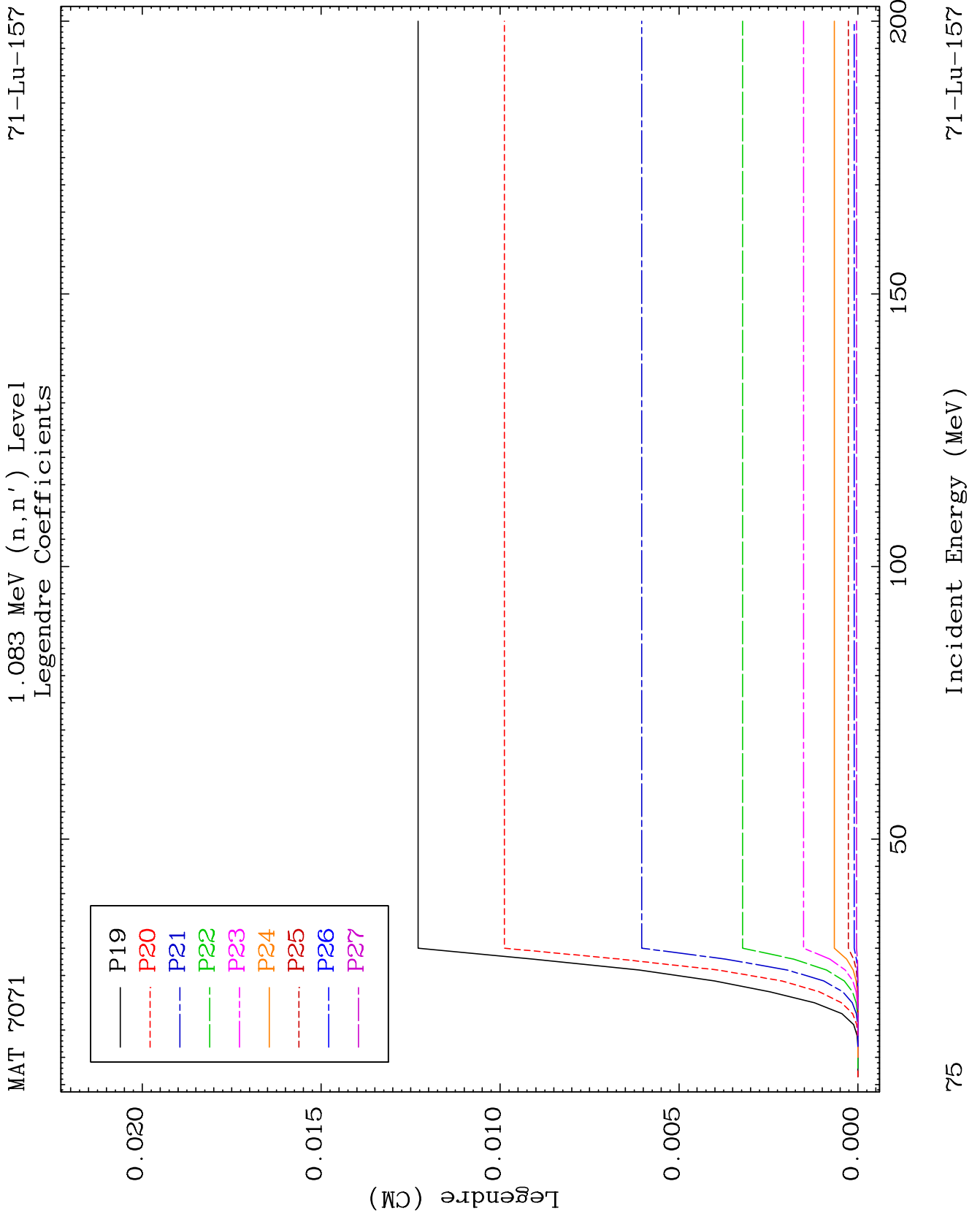
Incident Energy (MeV)

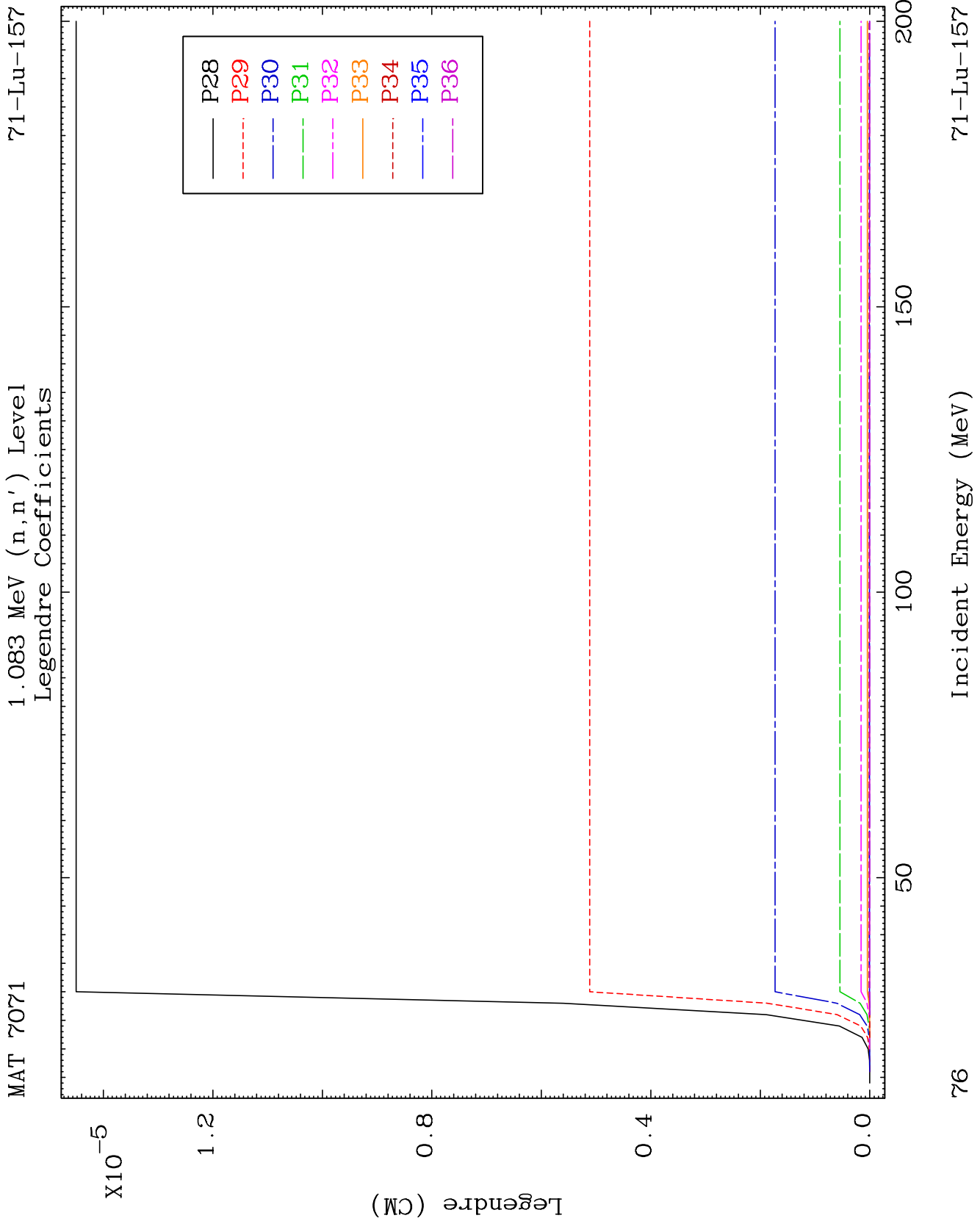
69







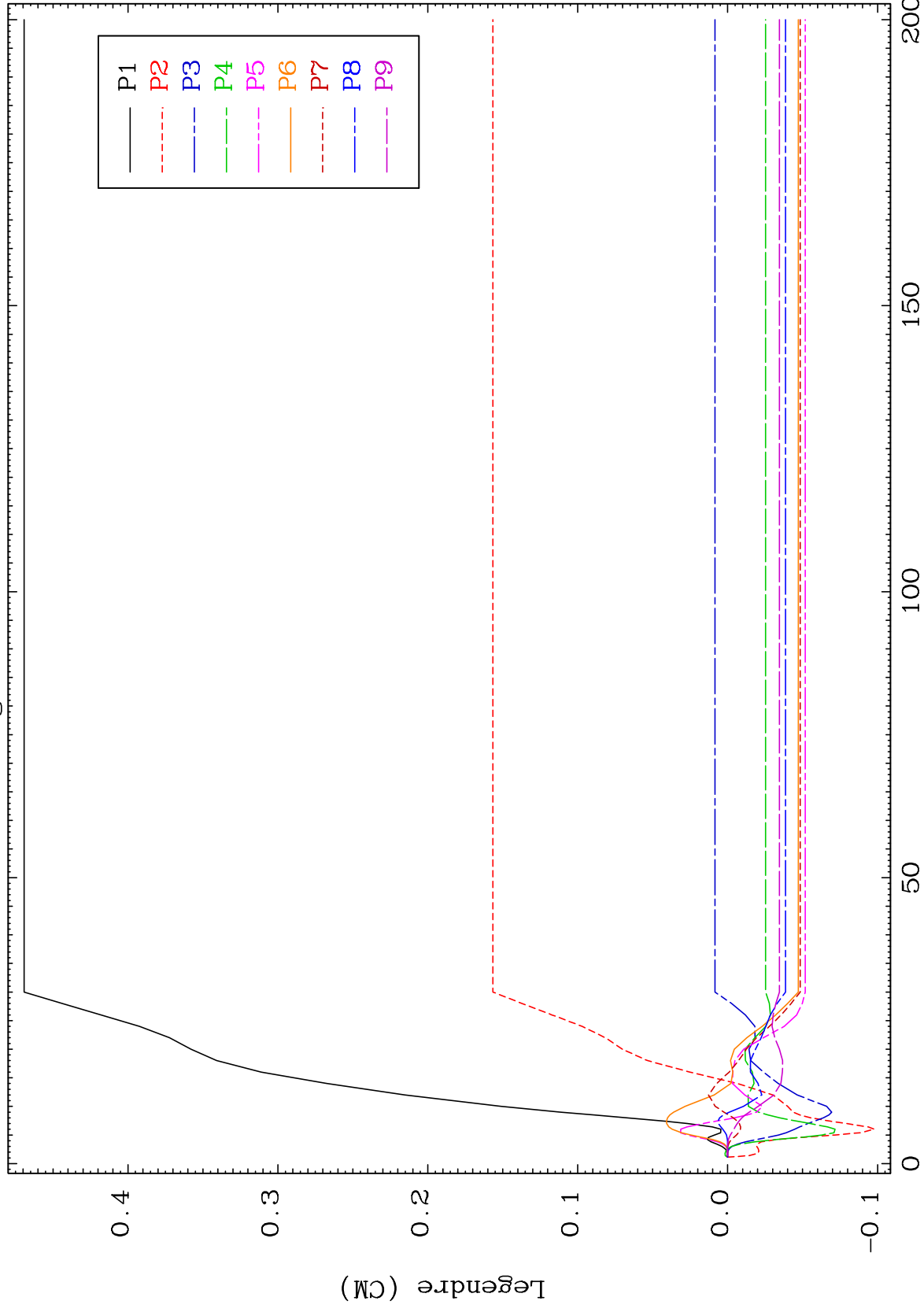




MAT 7071

1.113 MeV (n,n') Level
Legendre Coefficients

71-Lu-157



77

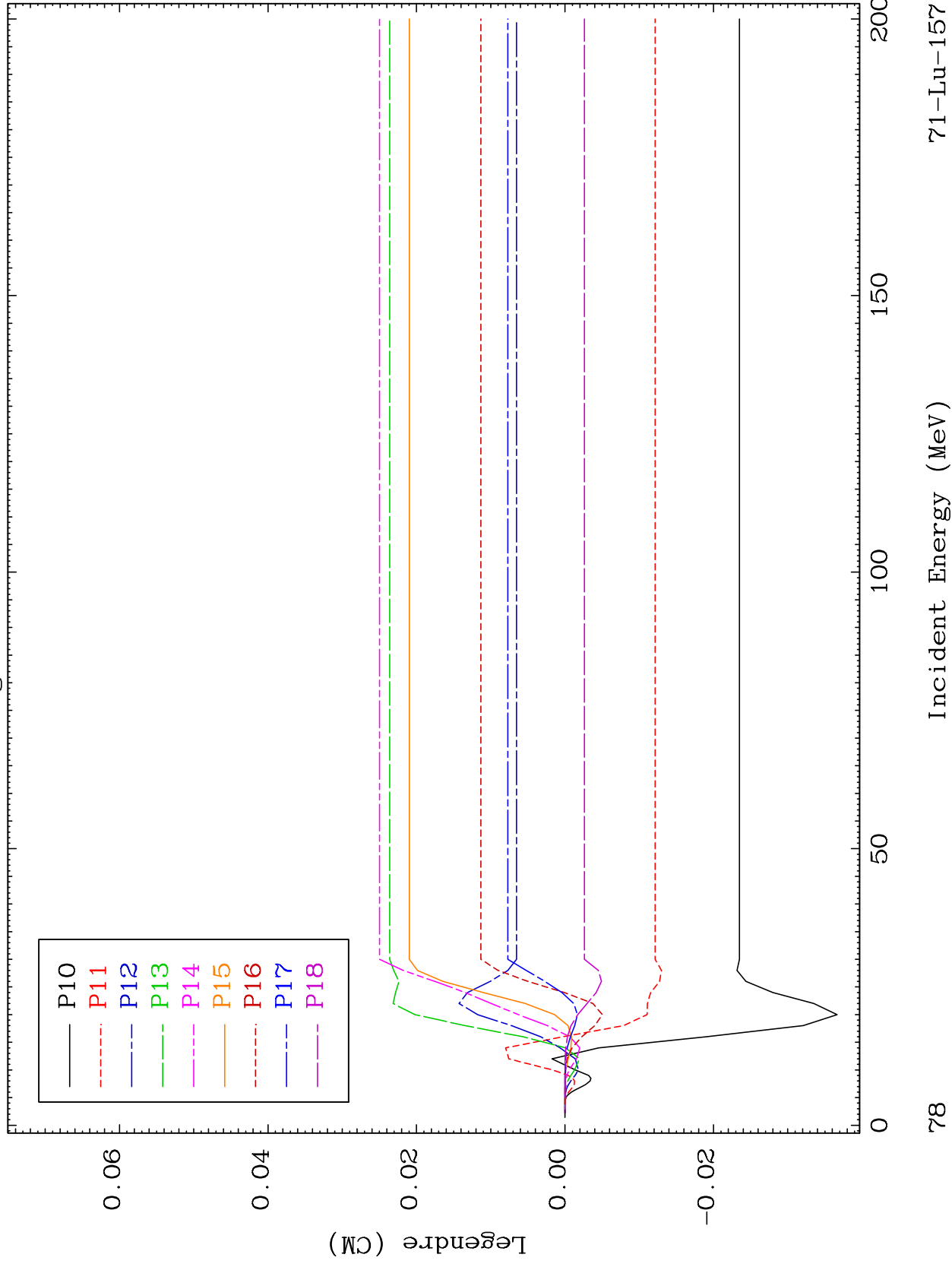
Incident Energy (MeV)

71-Lu-157

MAT 7071

1.113 MeV (n,n') Level
Legendre Coefficients

71-Lu-157



71-Lu-157

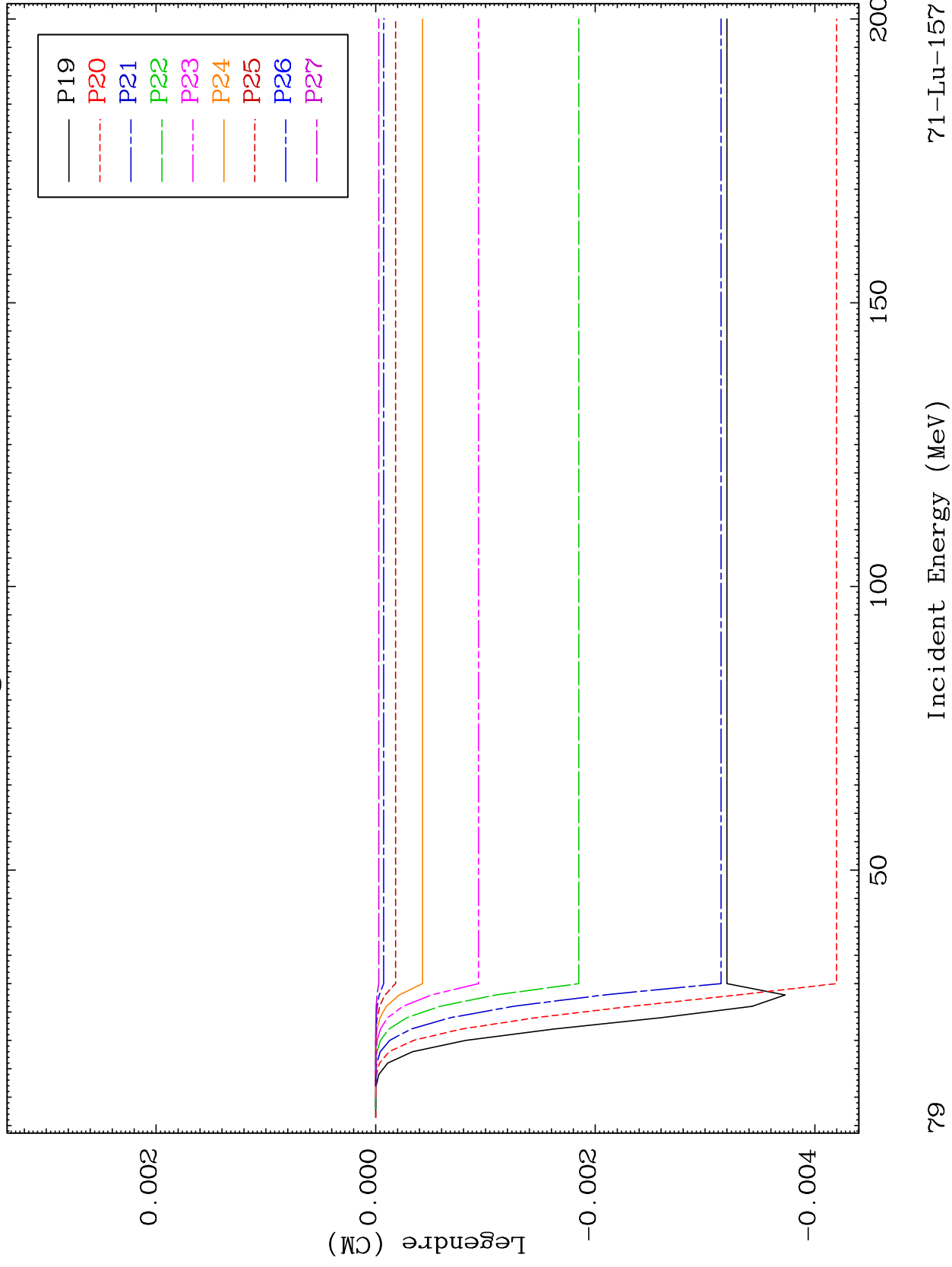
Incident Energy (MeV)

78

MAT 7071

1.113 MeV (n,n') Level
Legendre Coefficients

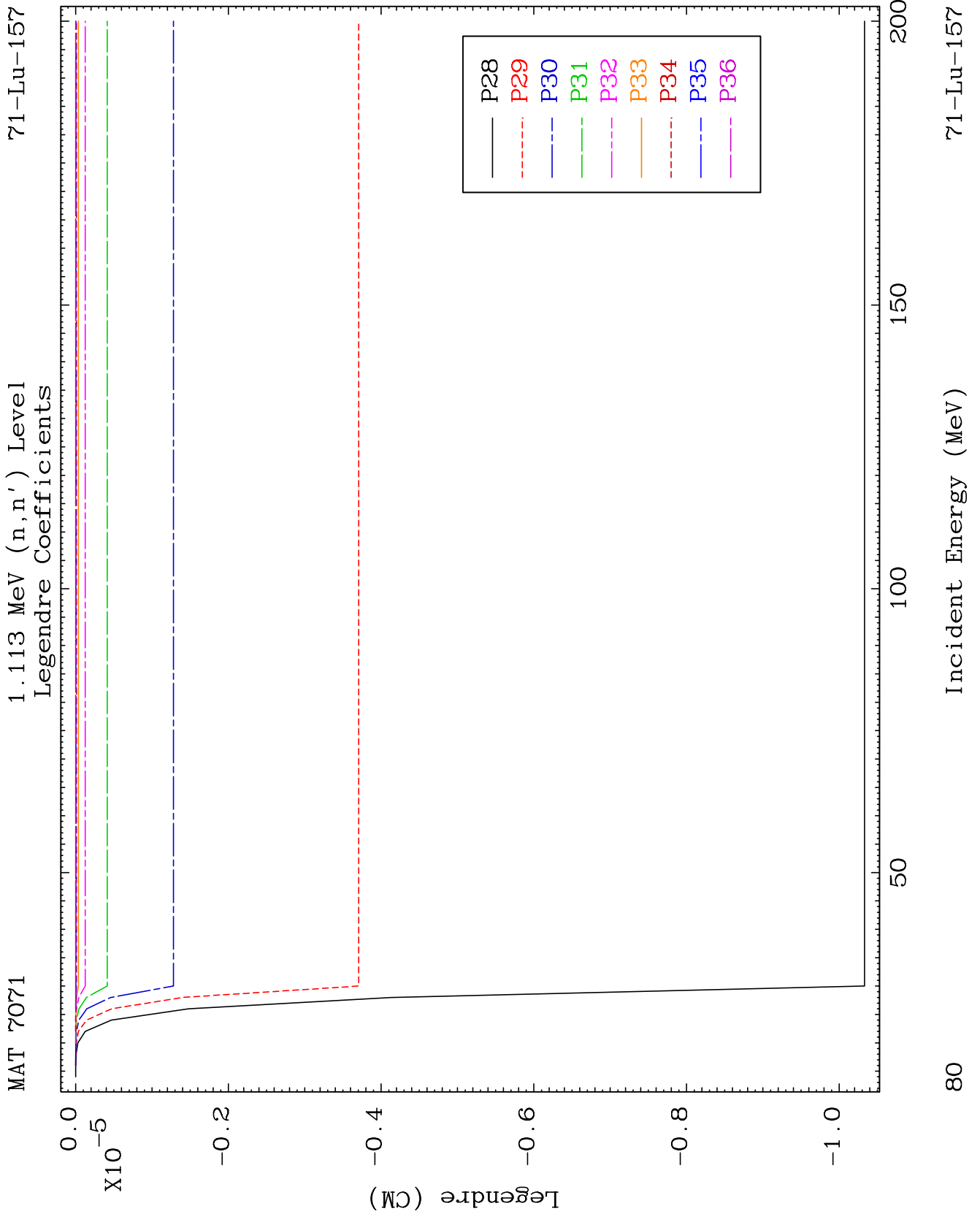
71-Lu-157

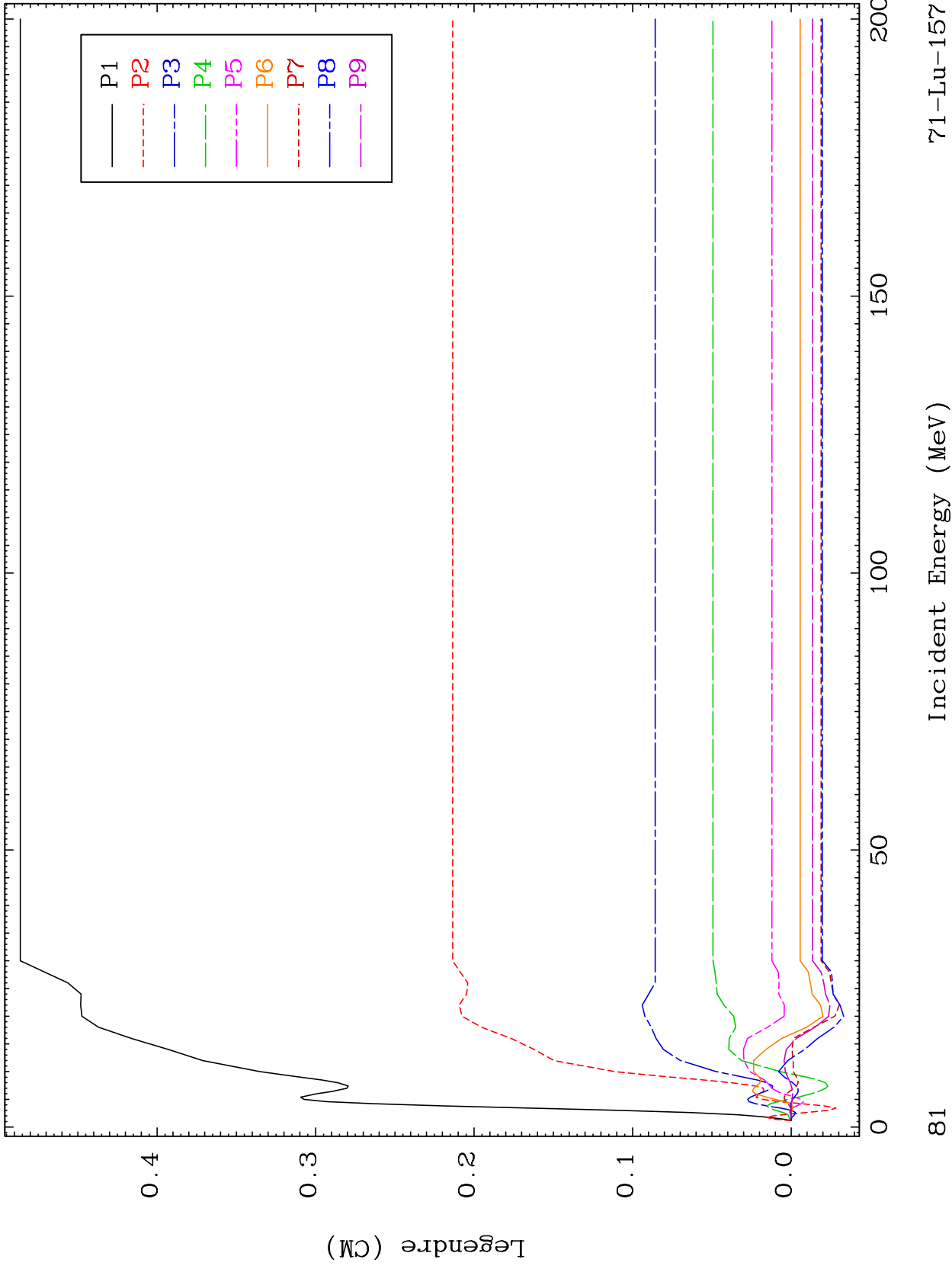


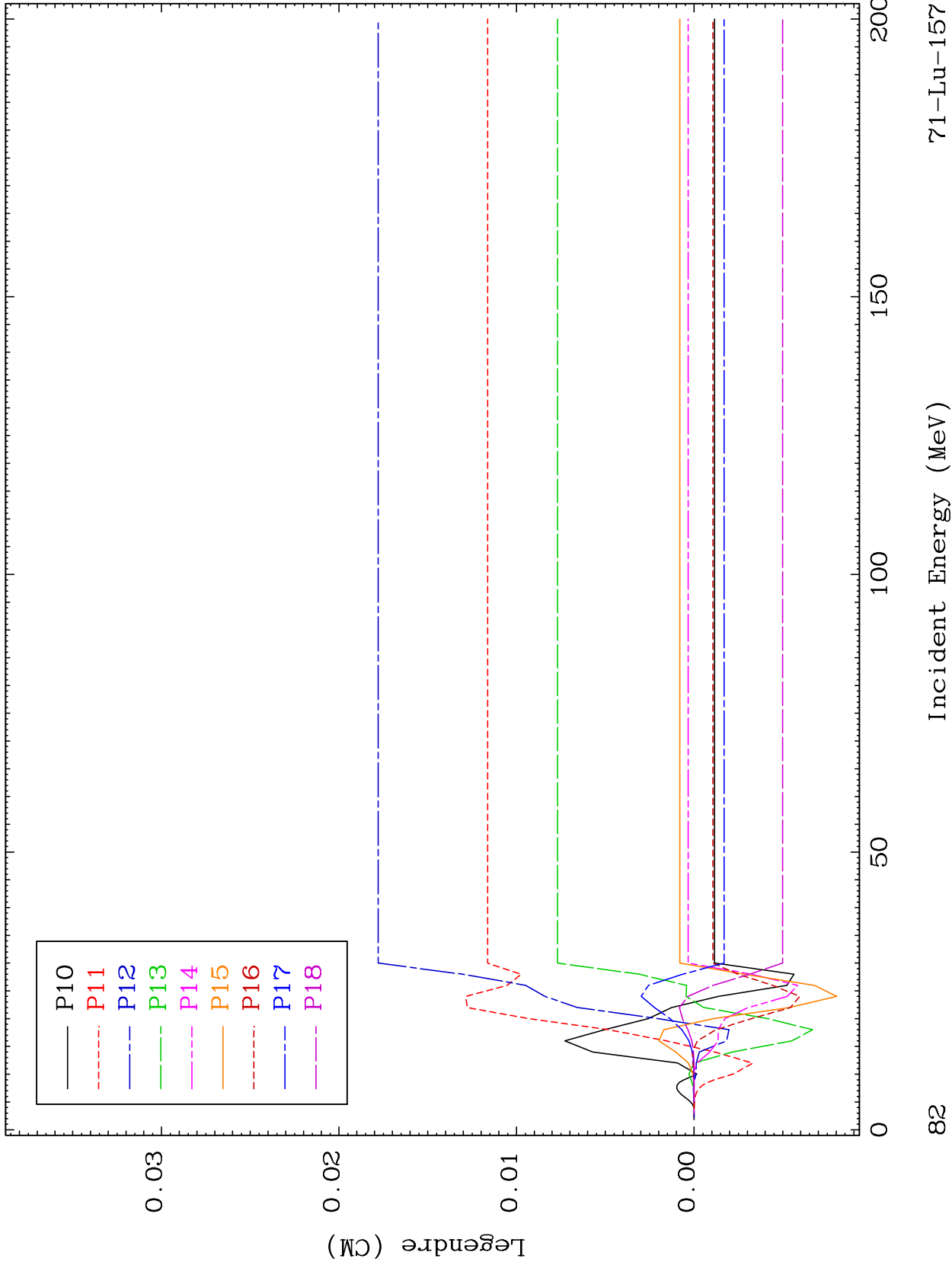
79

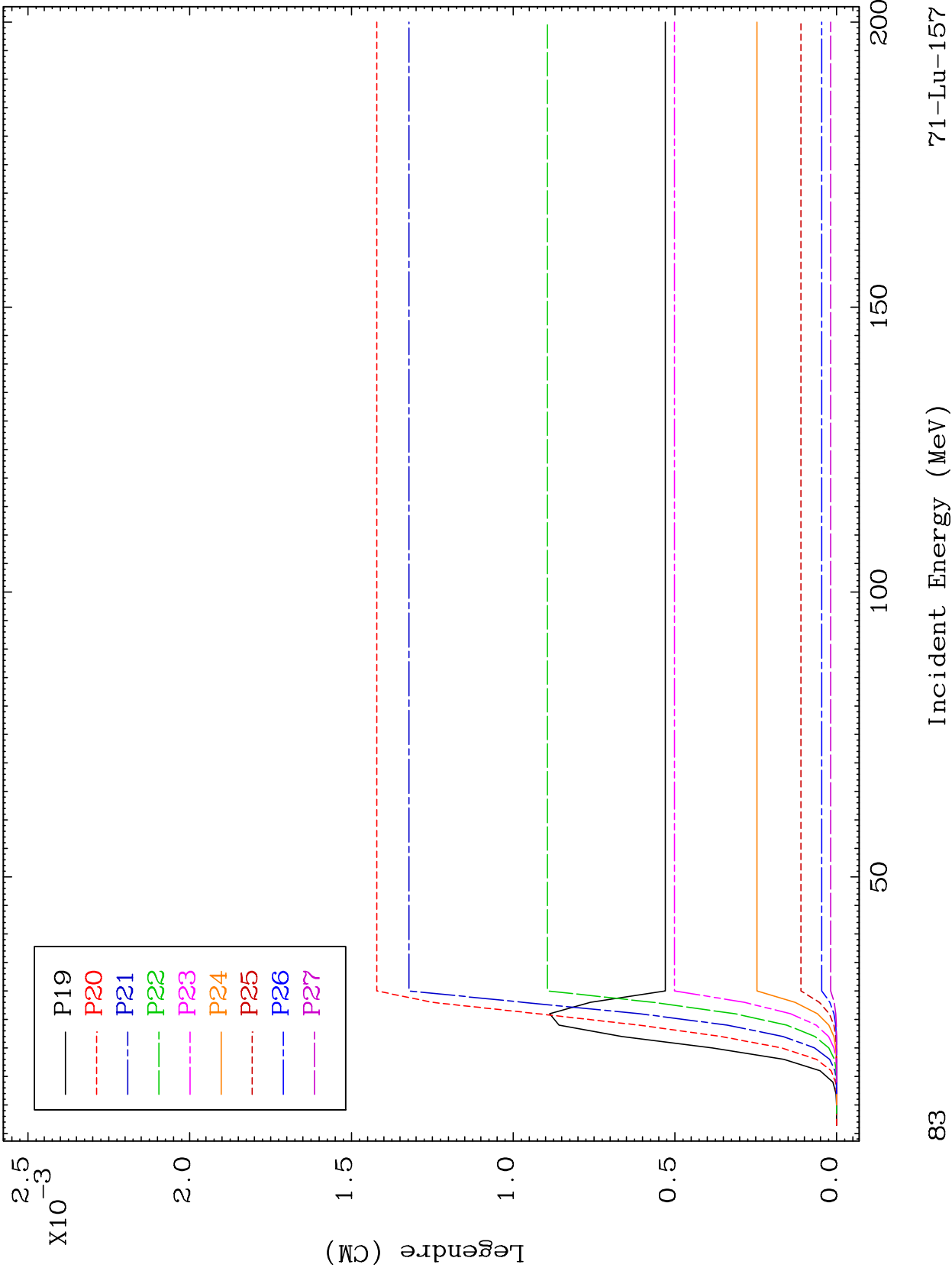
Incident Energy (MeV)

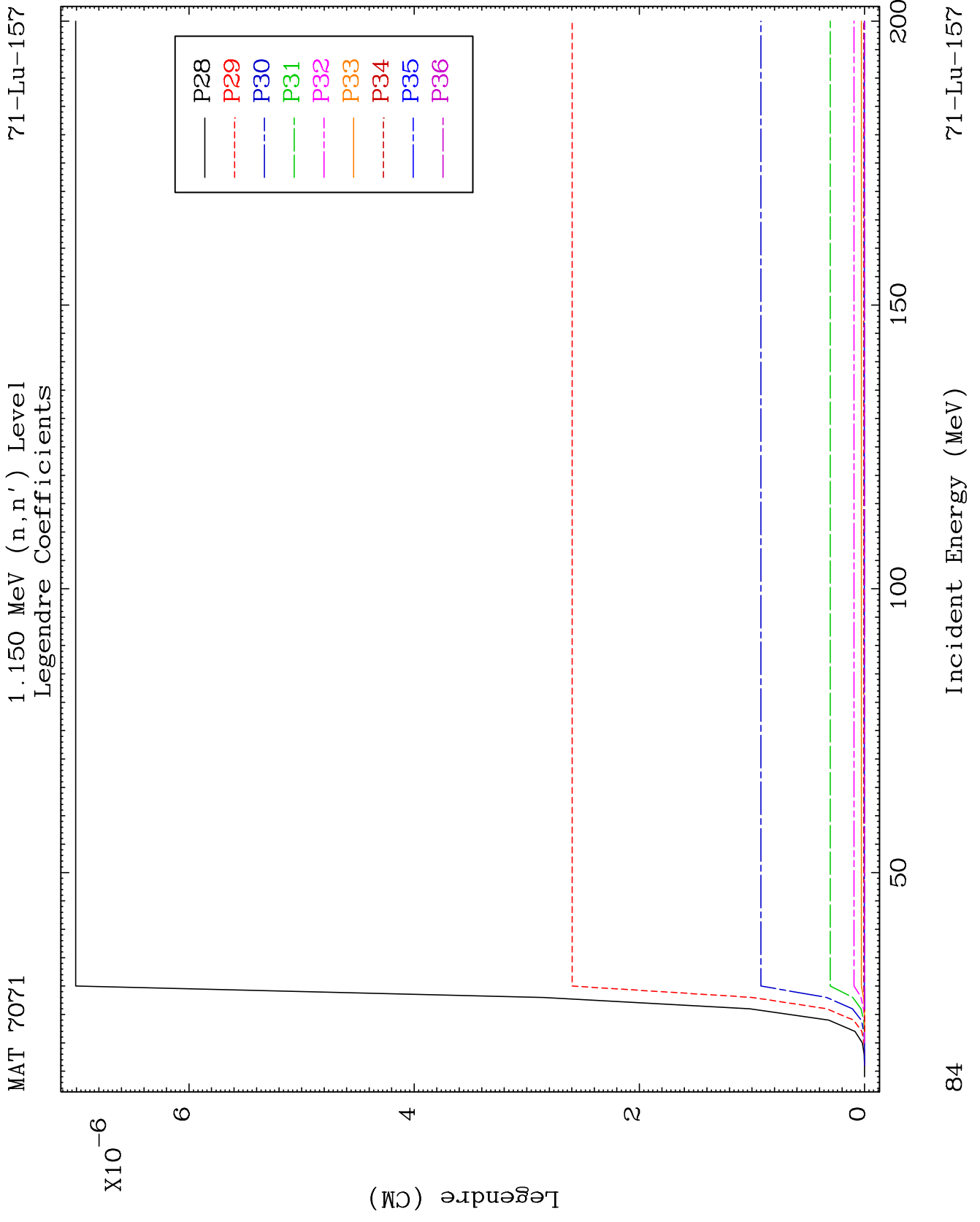
71-Lu-157

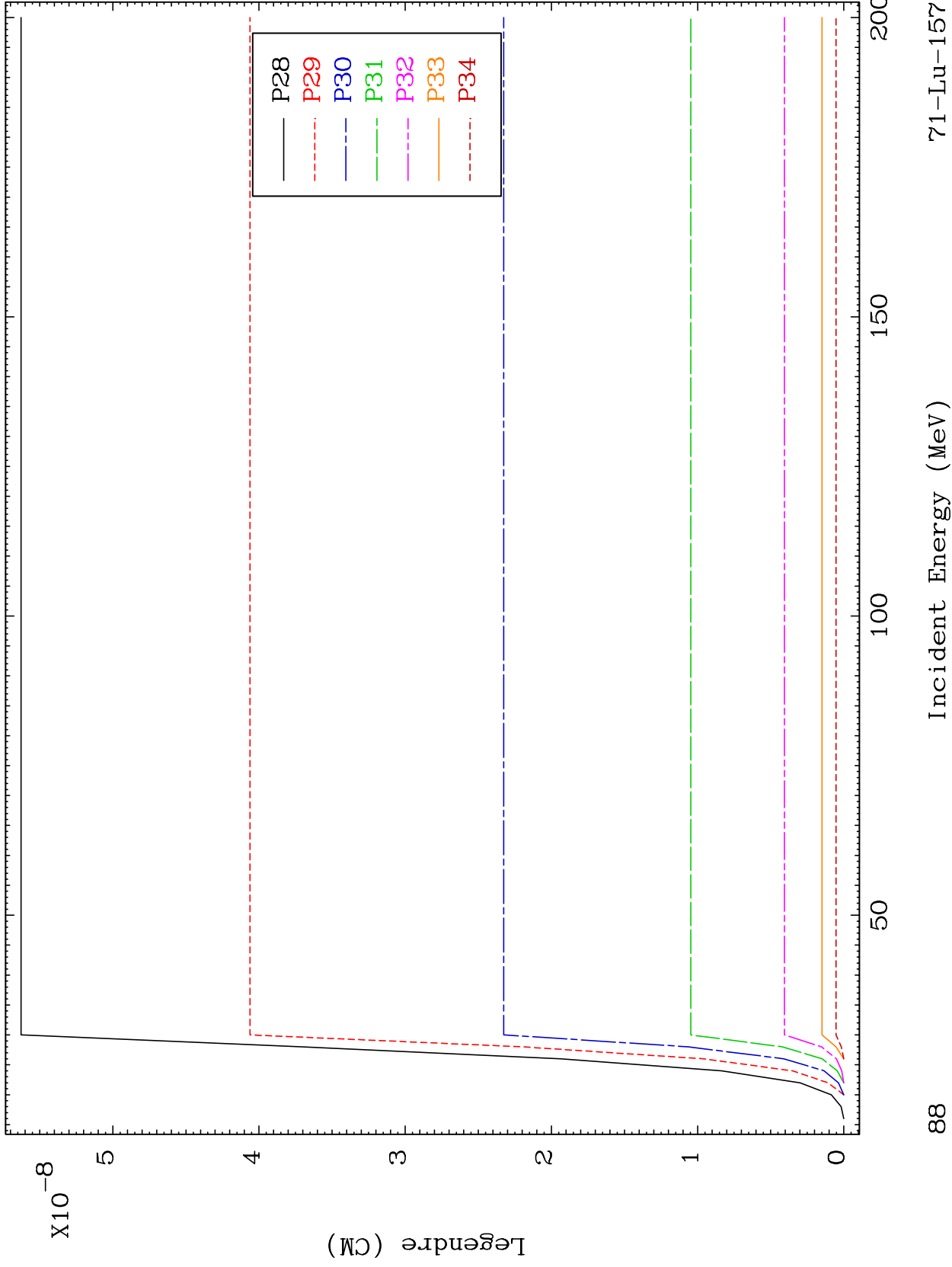


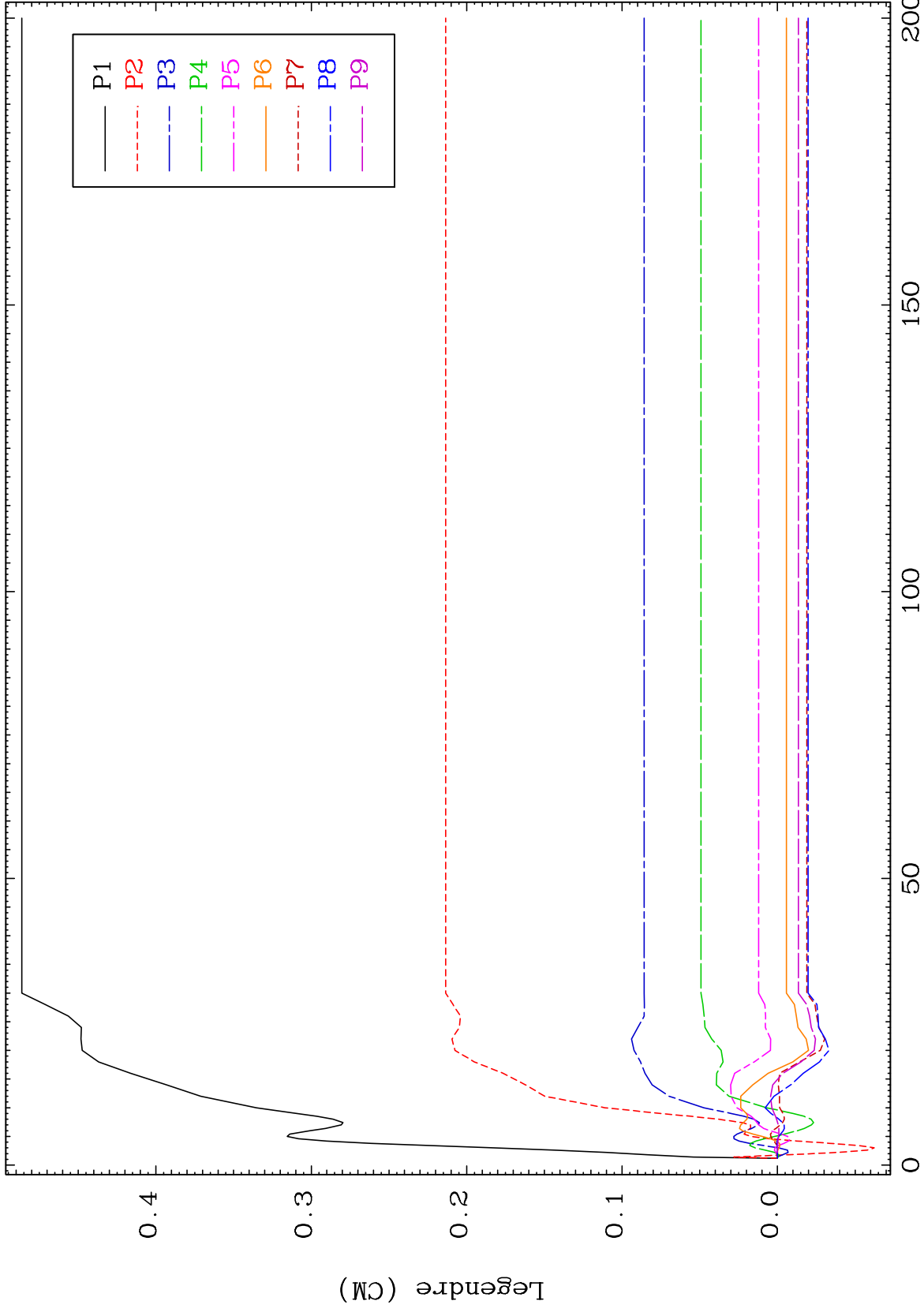








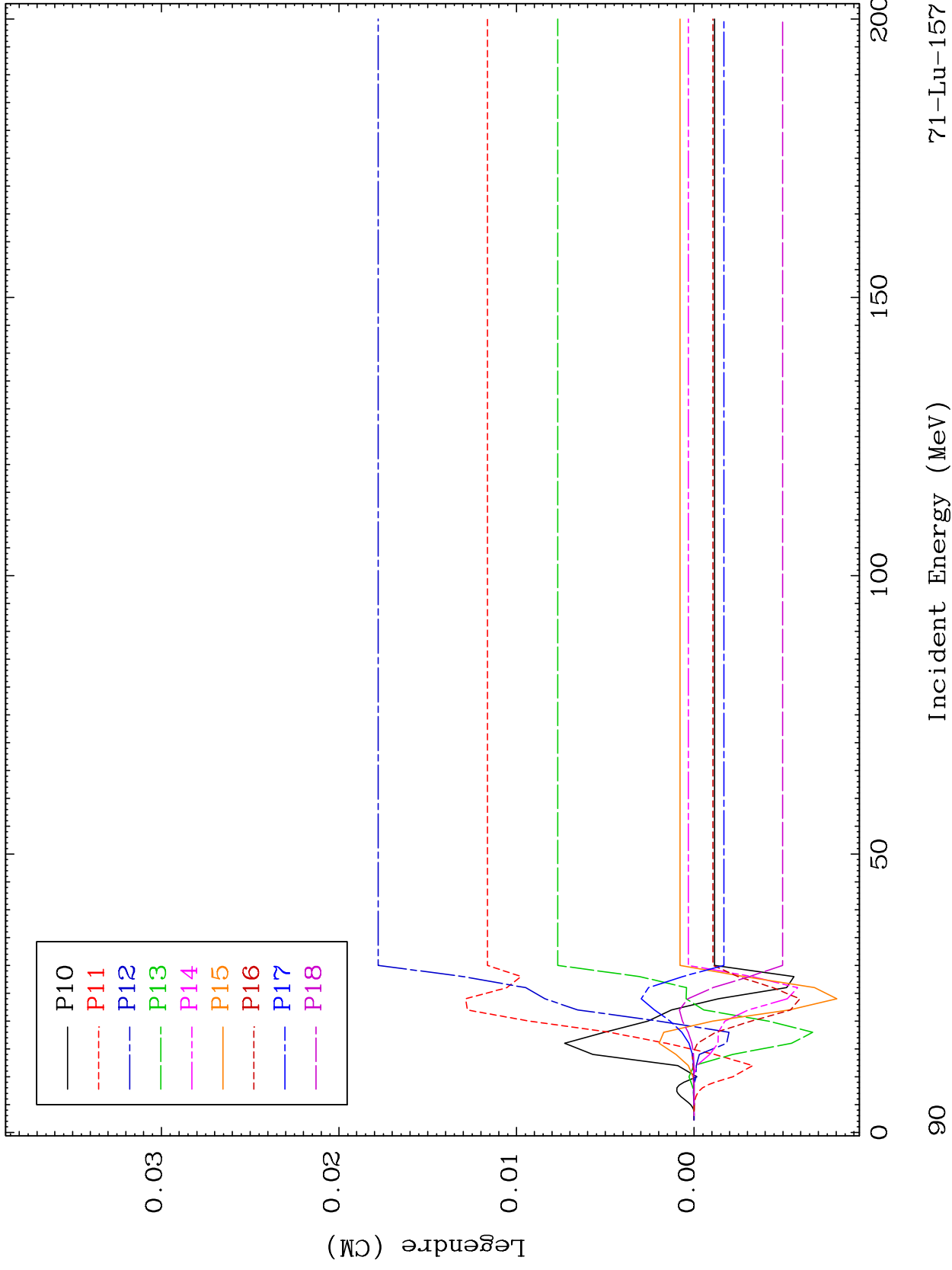




MAT 7071

1.157 MeV (n, n') Level
Legendre Coefficients

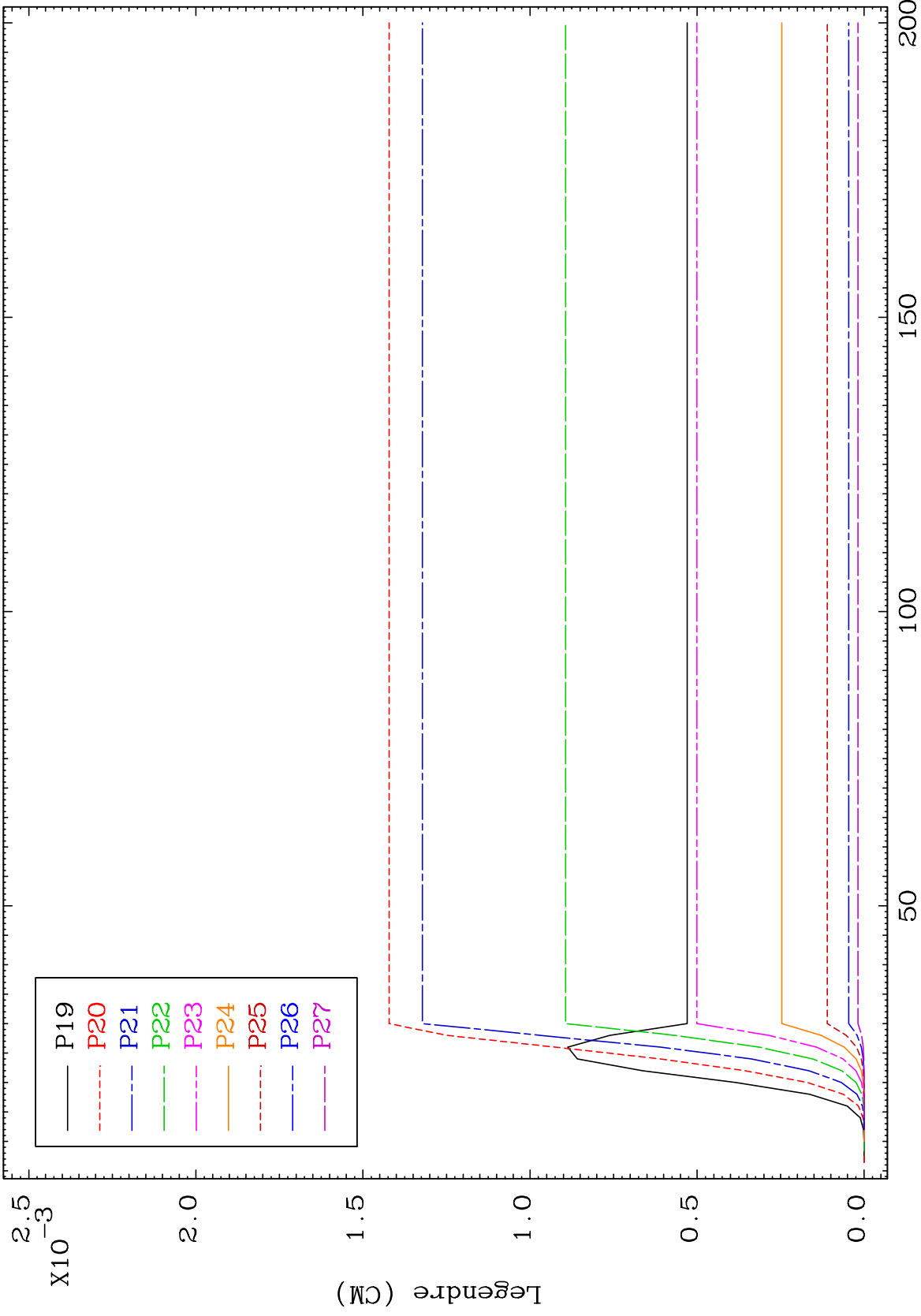
⁷¹Lu-157

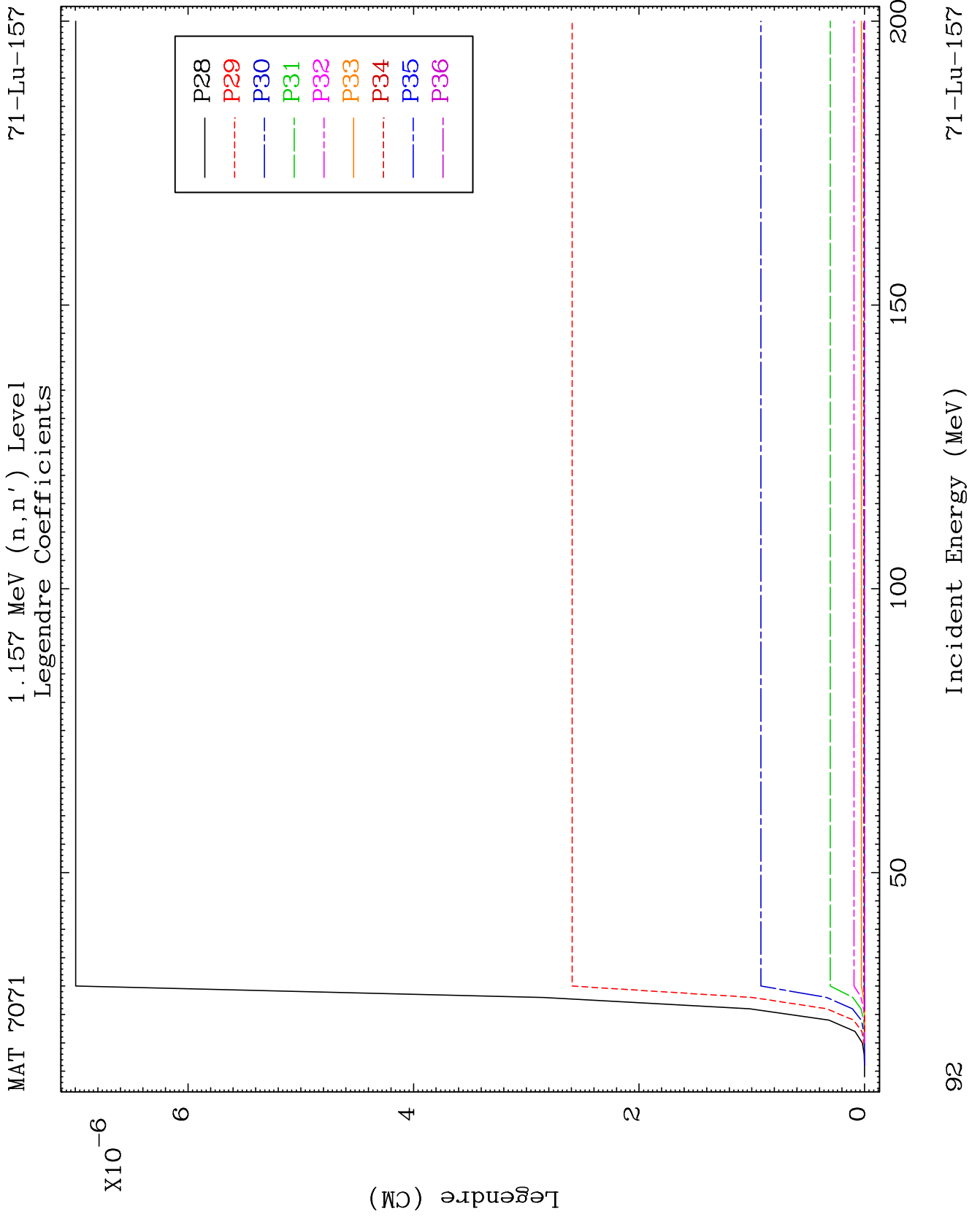


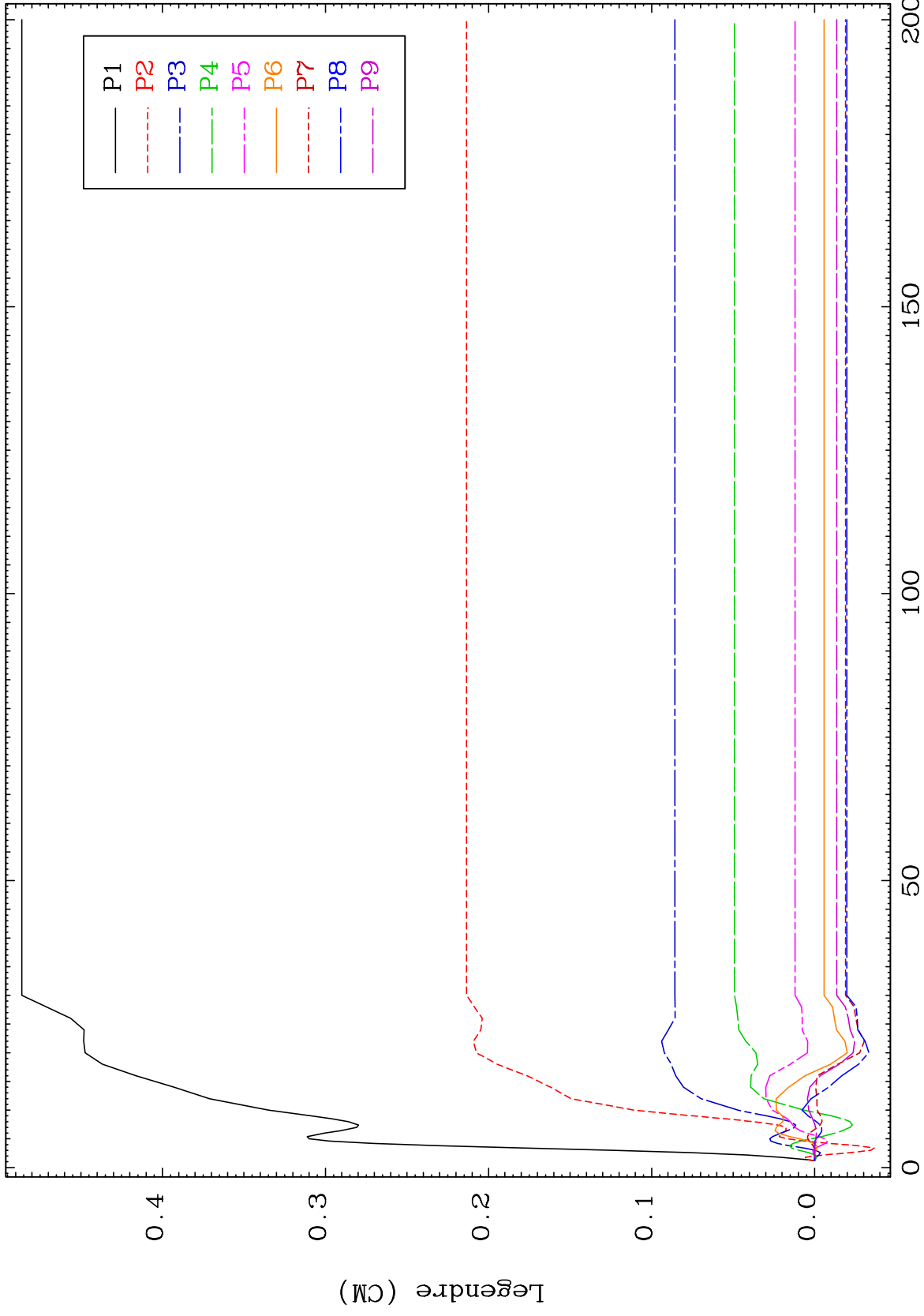
⁷¹Lu-157

Incident Energy (MeV)

90



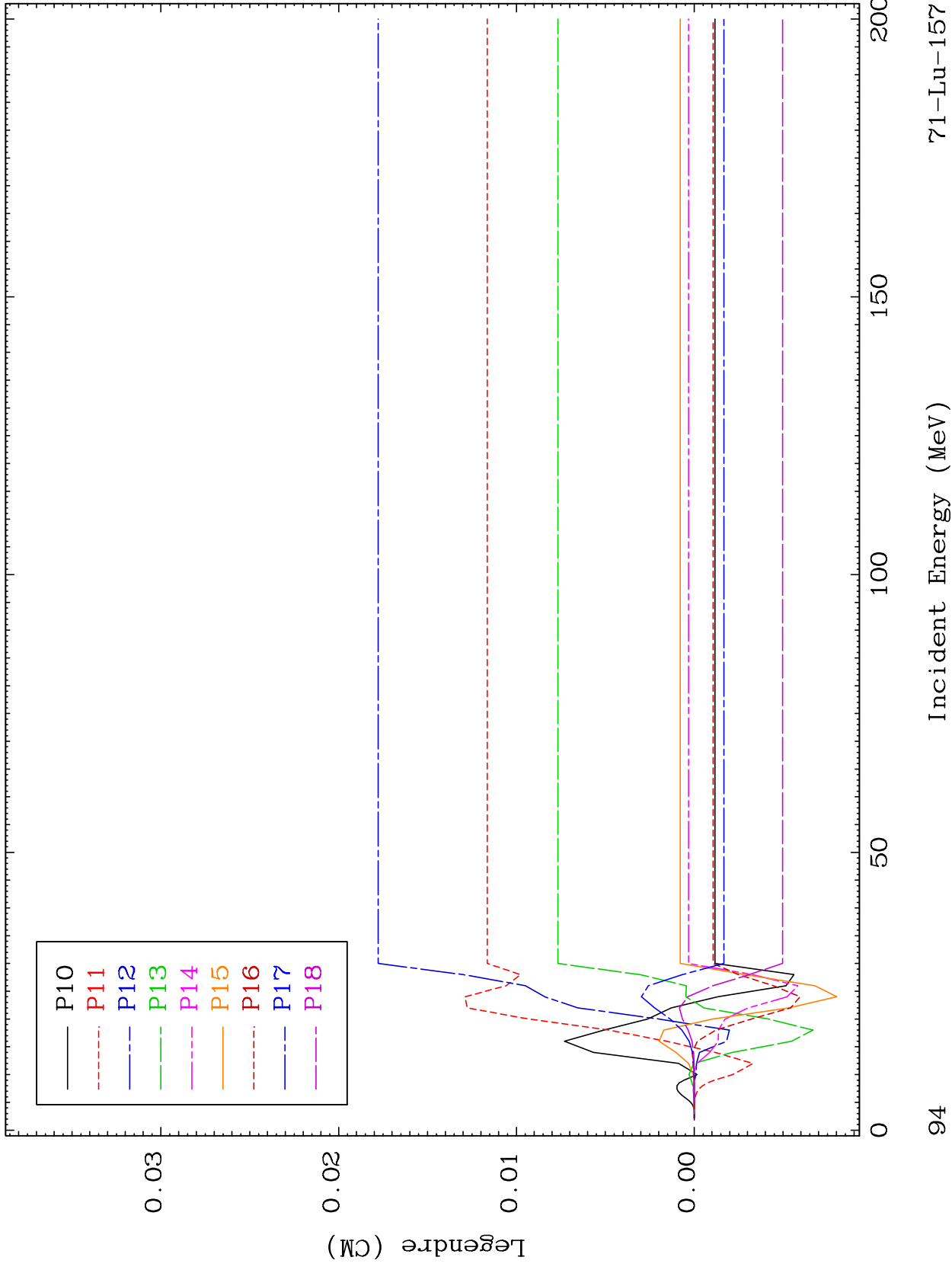




MAT 7071

1.180 MeV (n, n') Level
Legendre Coefficients

⁷¹Lu-157



⁷¹Lu-157

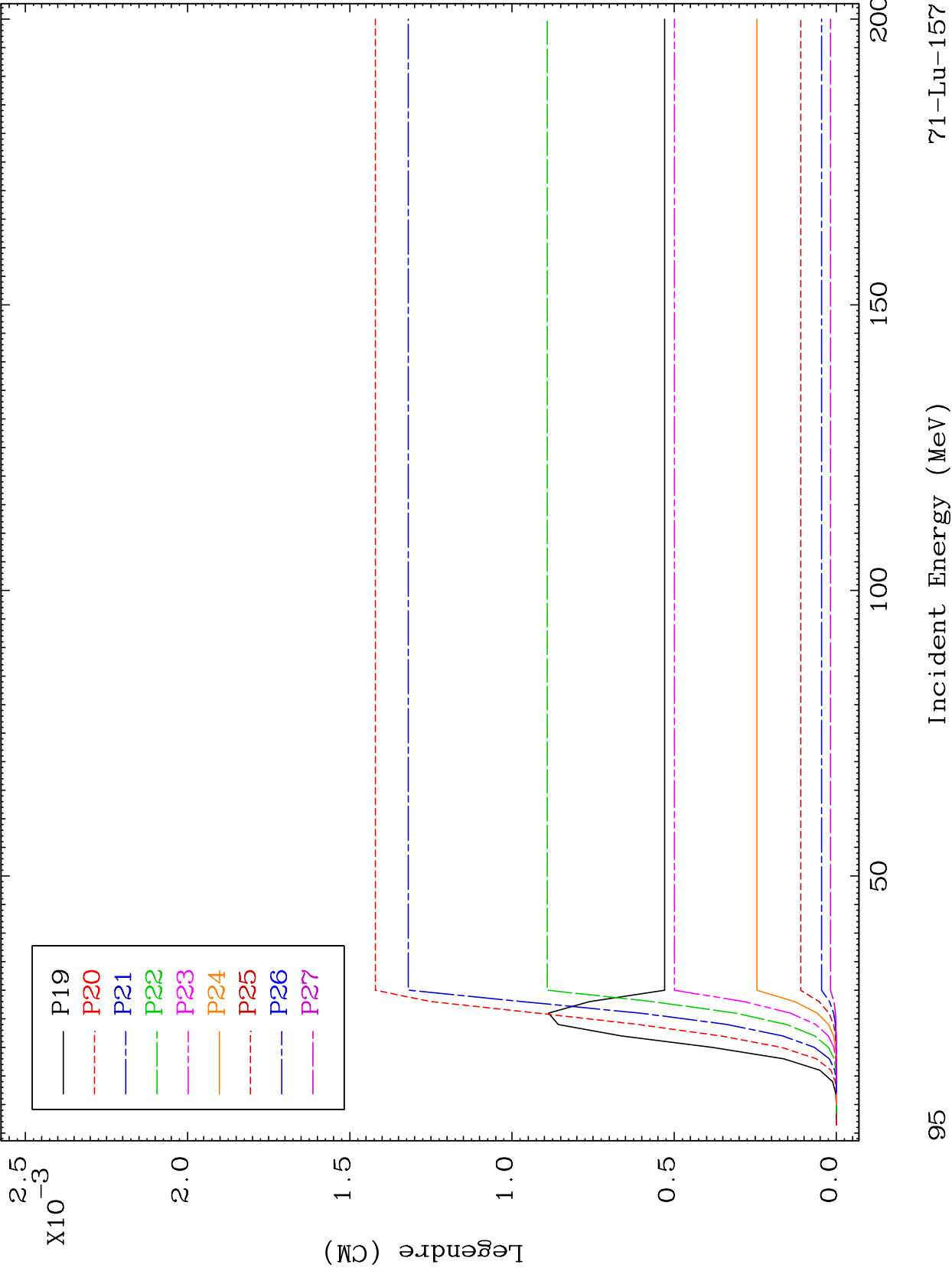
Incident Energy (MeV)

94

MAT 7071

1.180 MeV (n, n') Level
Legendre Coefficients

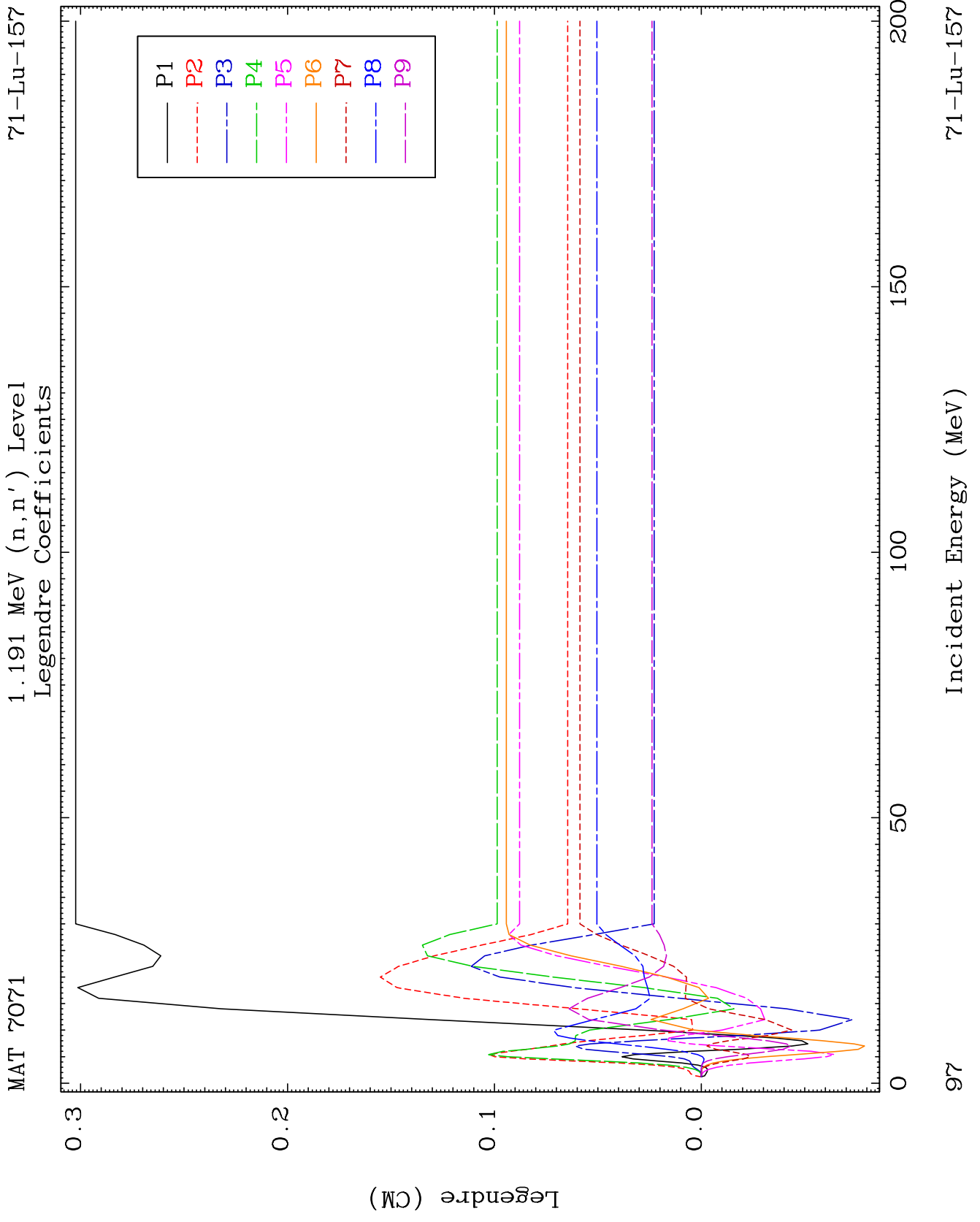
71-Lu-157

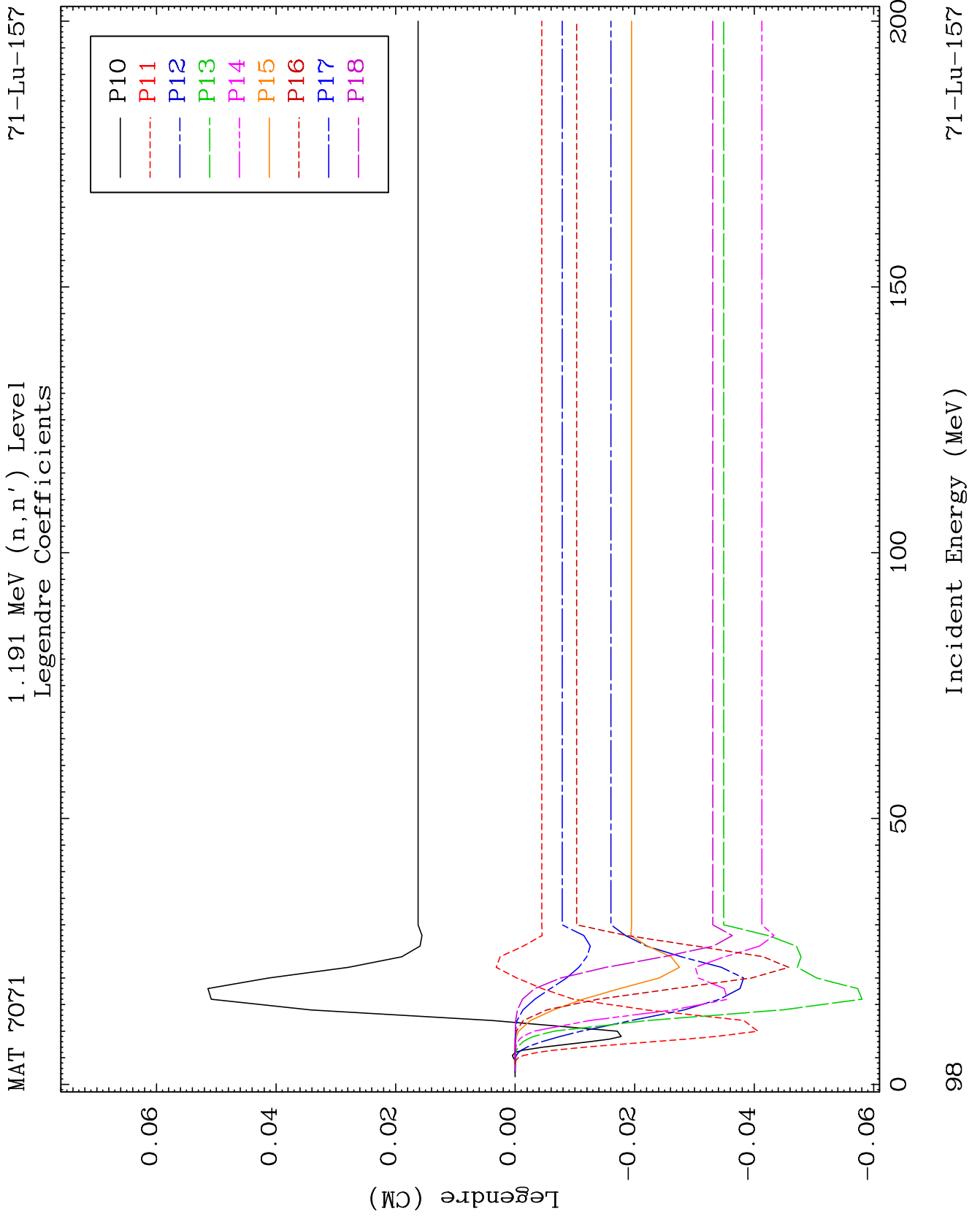


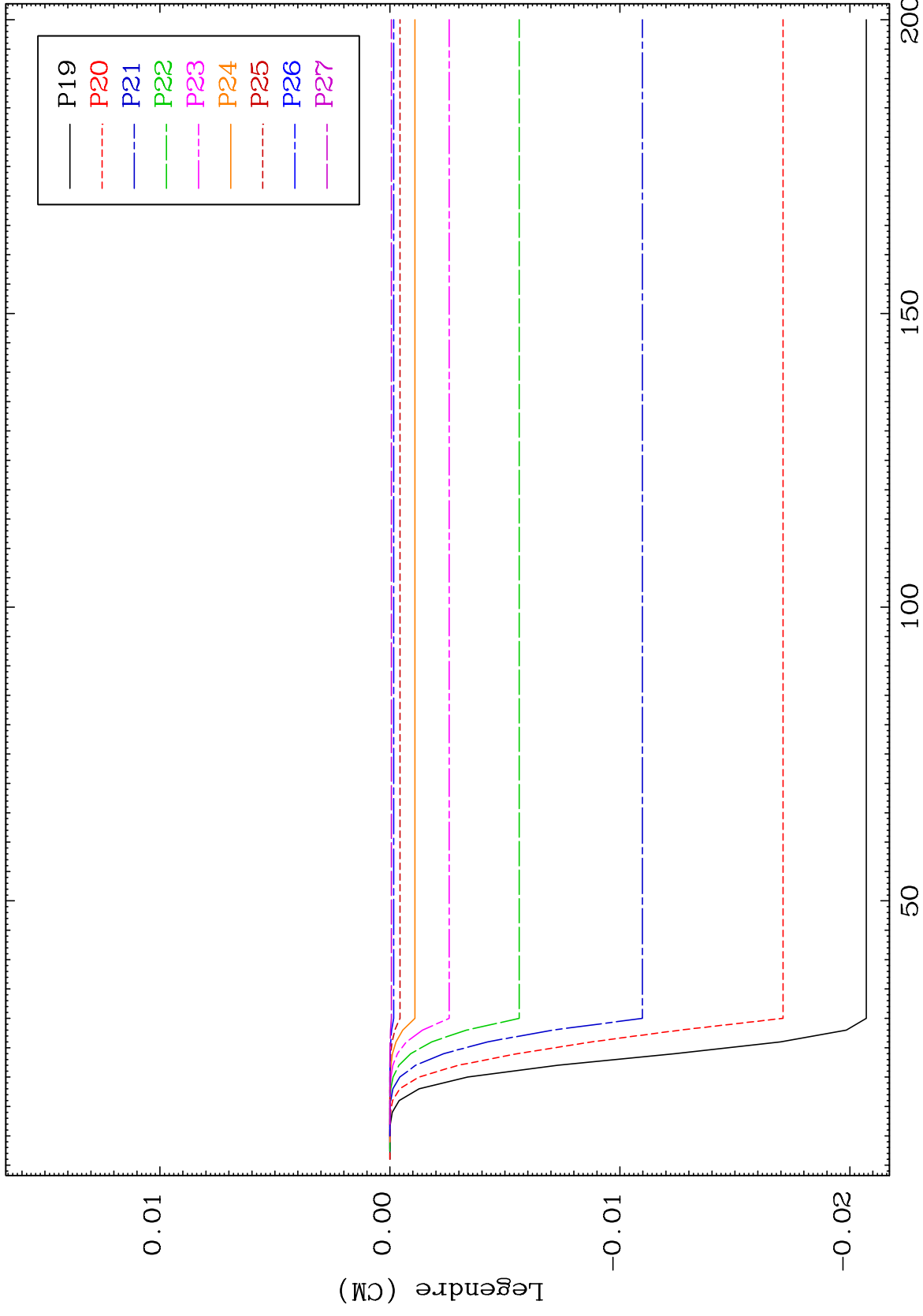
95

Incident Energy (MeV)

71-Lu-157



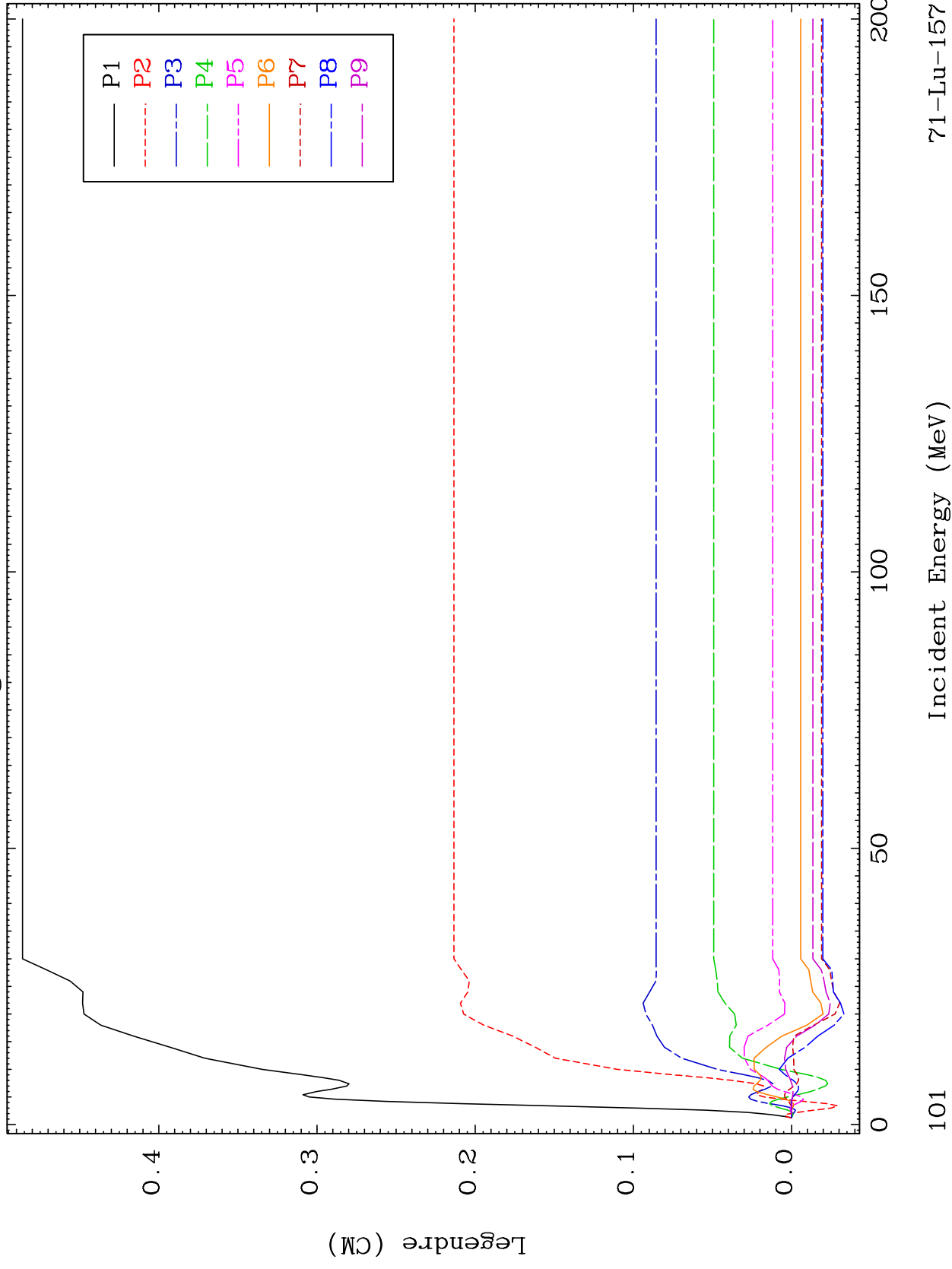




MAT 7071

1.203 MeV (n,n') Level
Legendre Coefficients

71-Lu-157



71-Lu-157

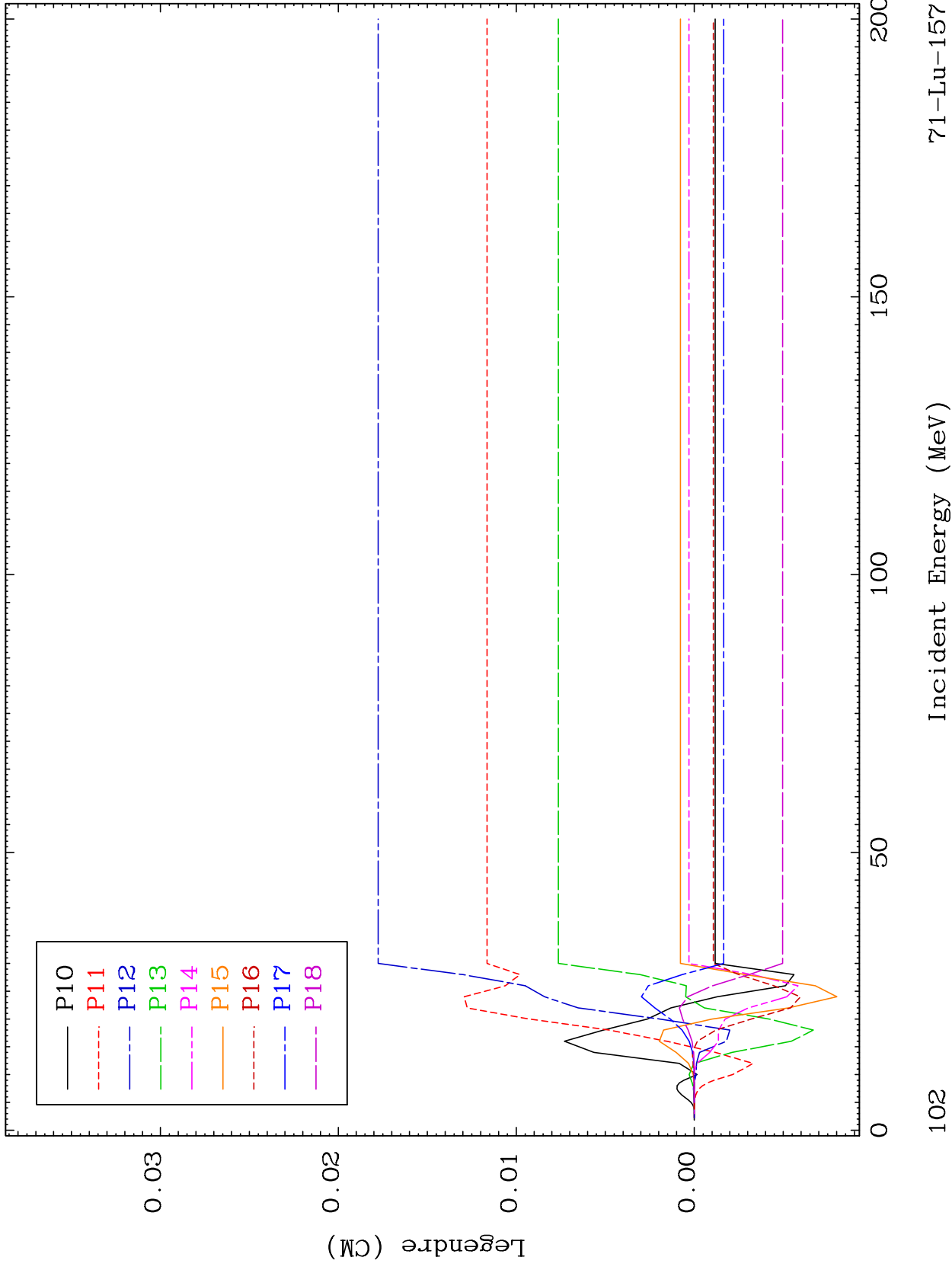
Incident Energy (MeV)

101

MAT 7071

1.203 MeV (n, n') Level
Legendre Coefficients

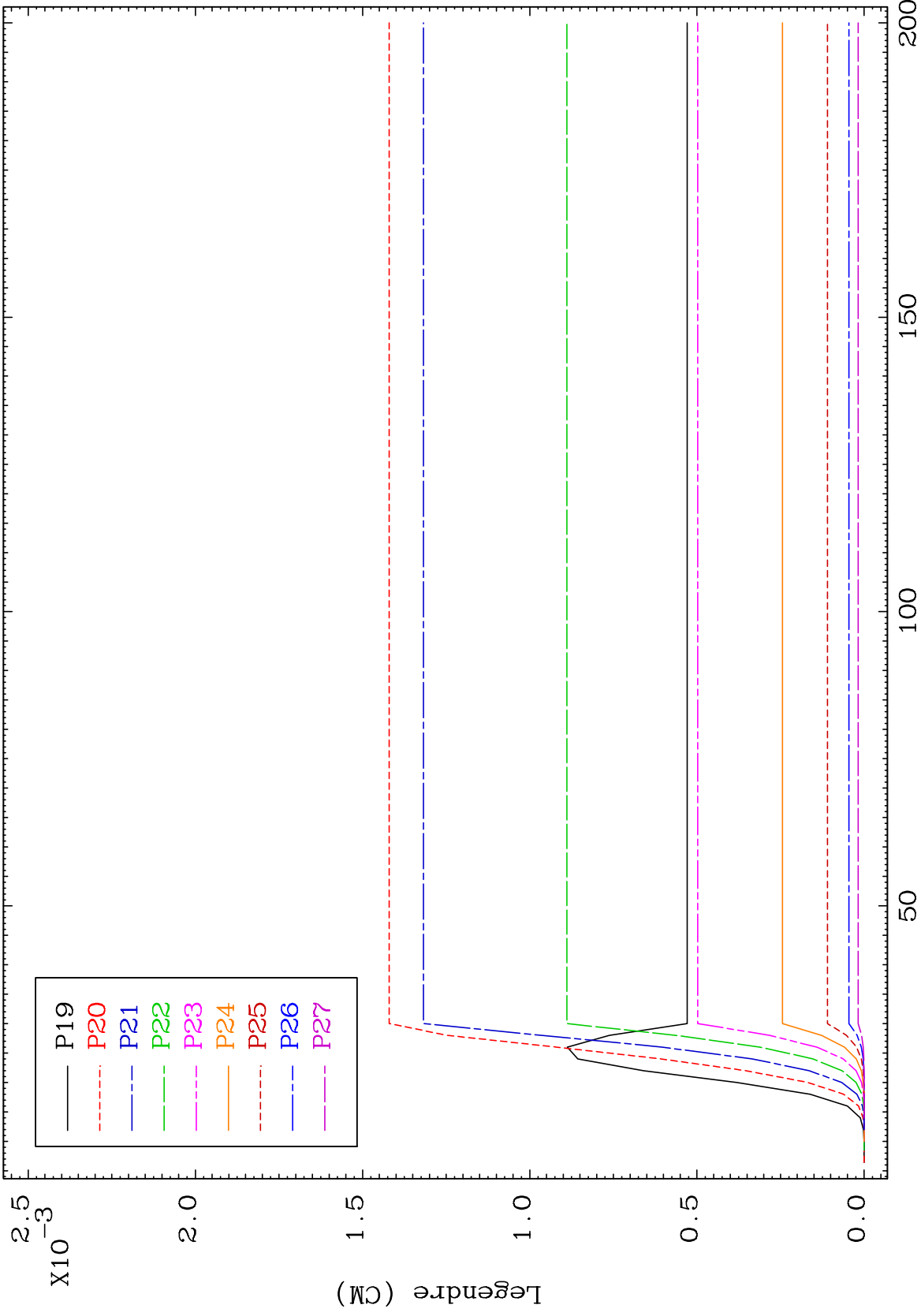
71-Lu-157

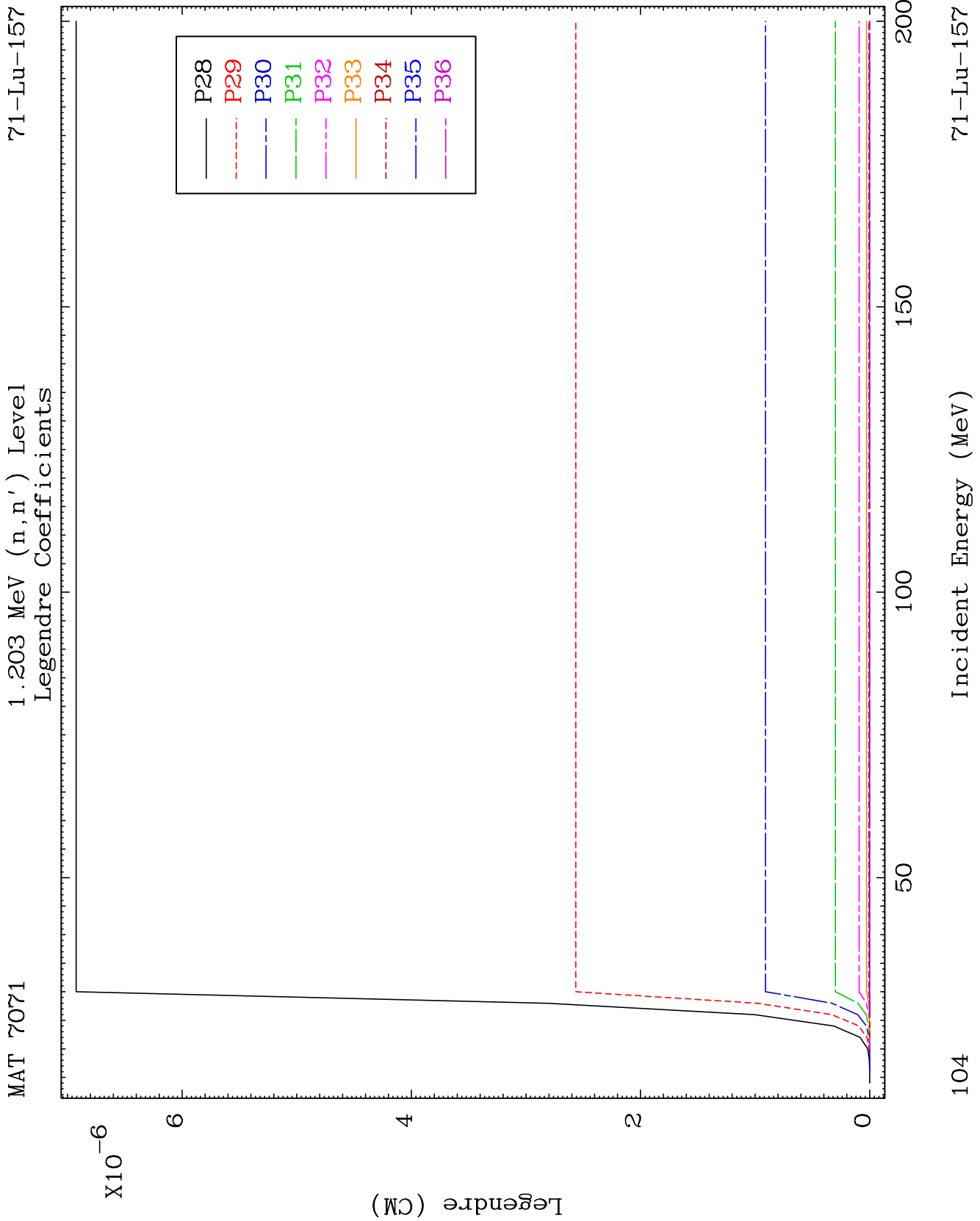


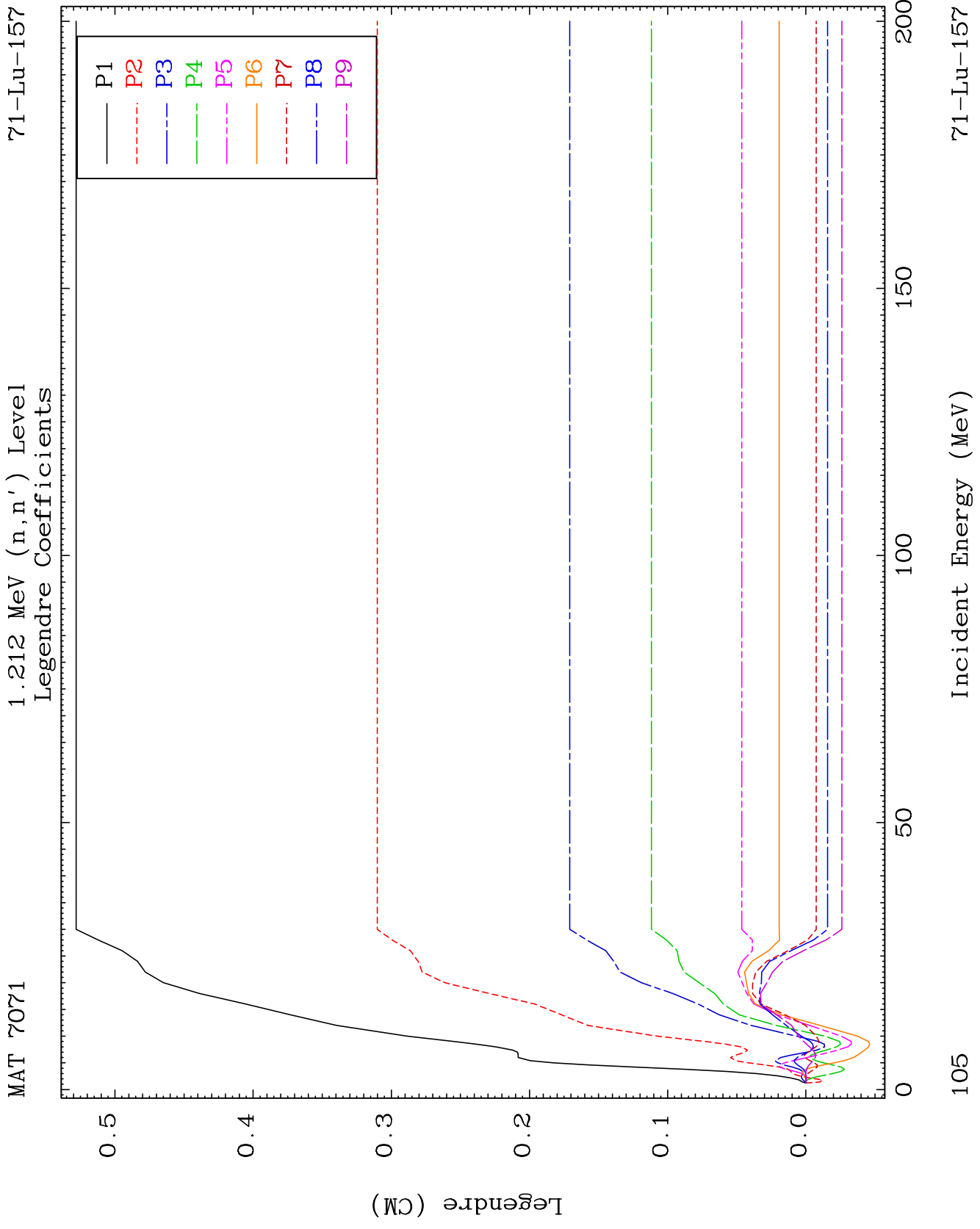
71-Lu-157

Incident Energy (MeV)

102



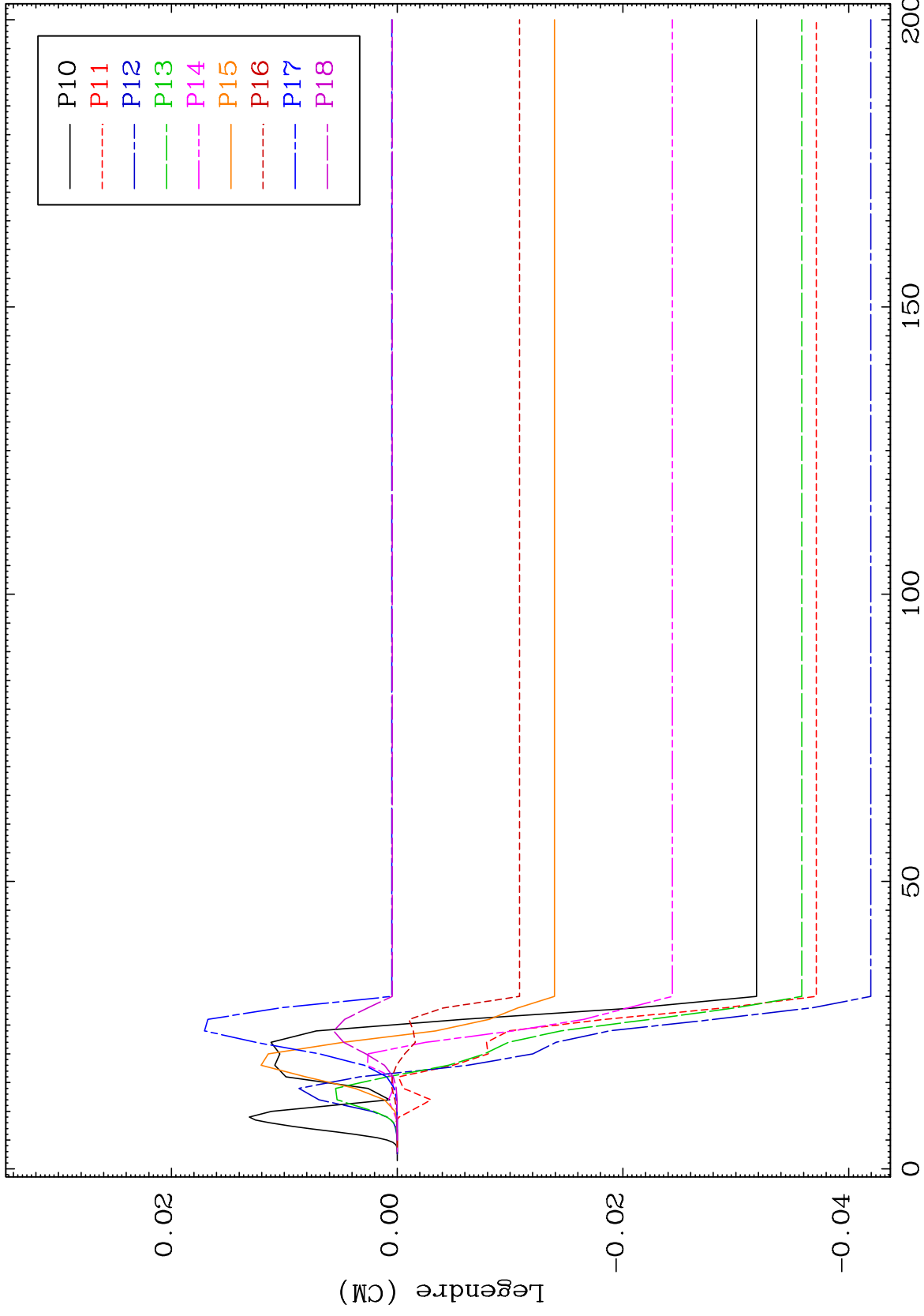




MAT 7071

1.212 MeV (n,n') Level
Legendre Coefficients

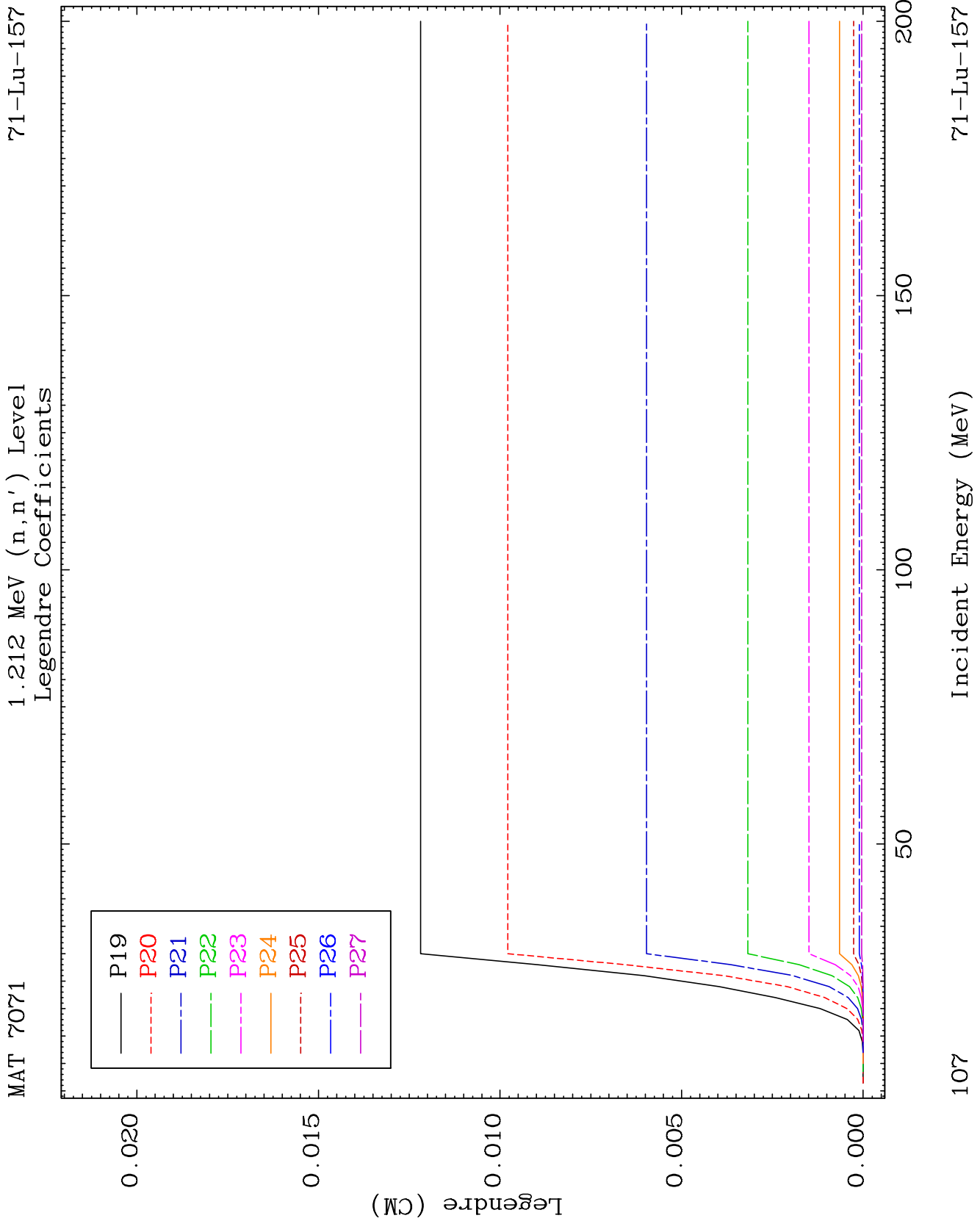
71-Lu-157

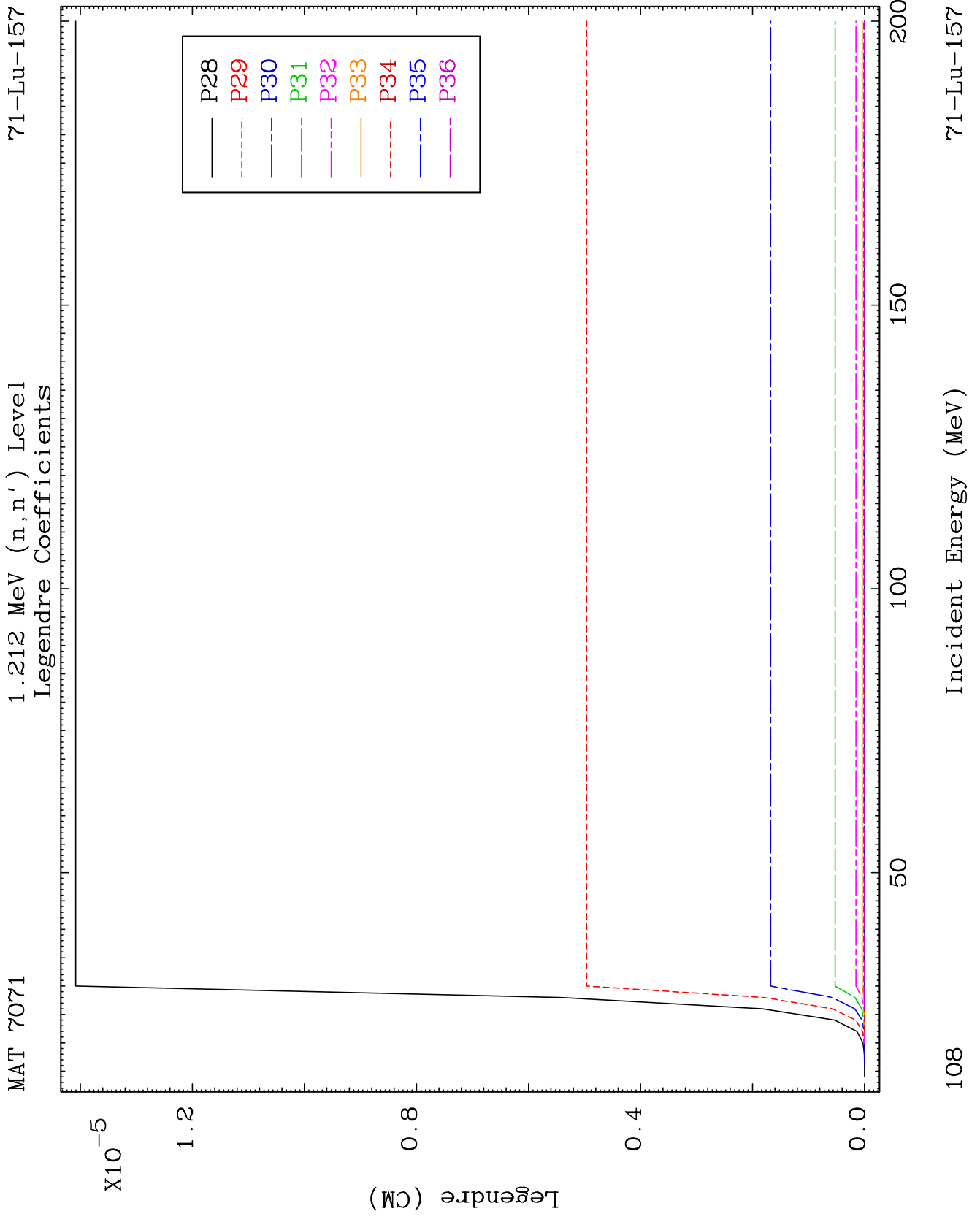


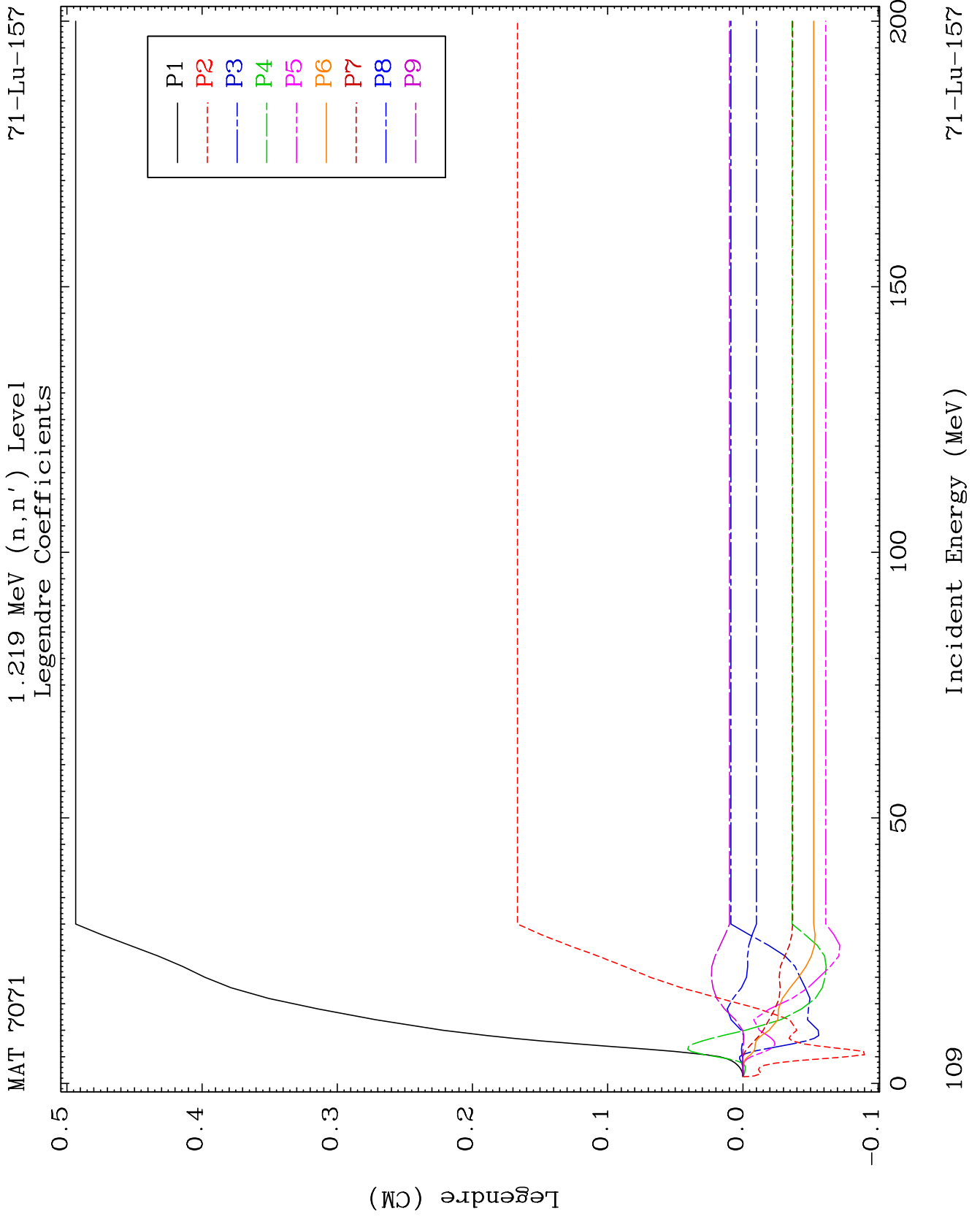
106

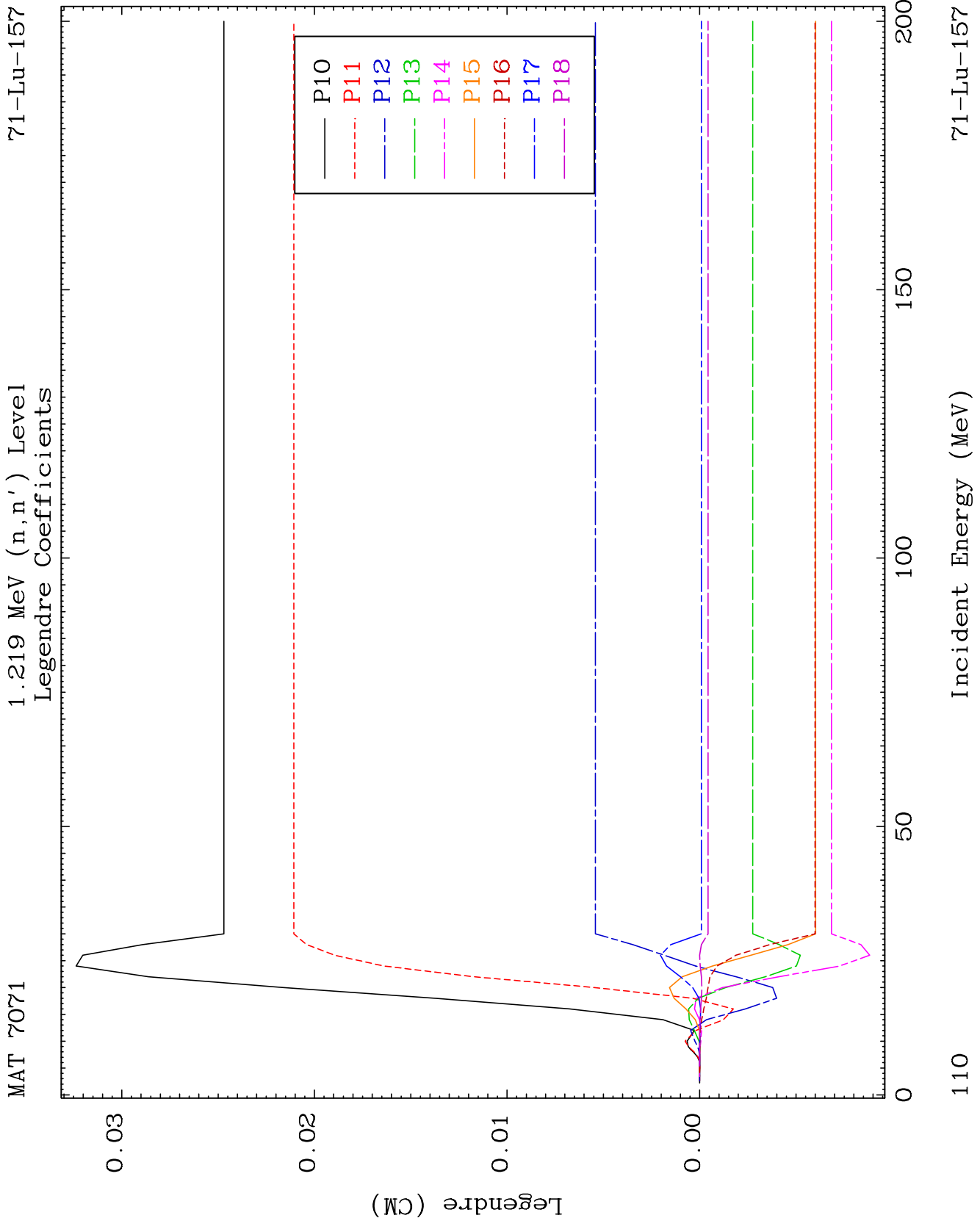
Incident Energy (MeV)

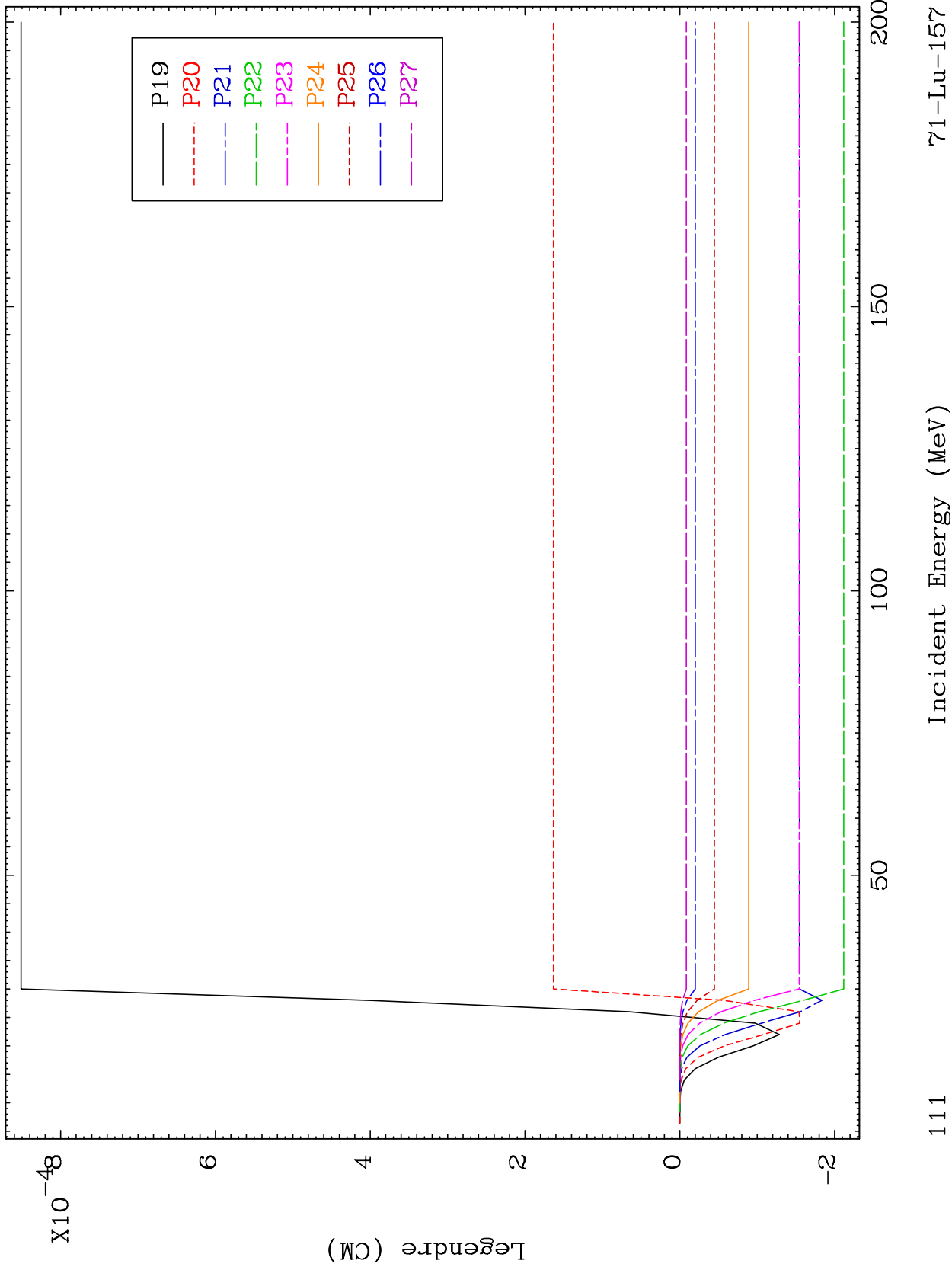
71-Lu-157

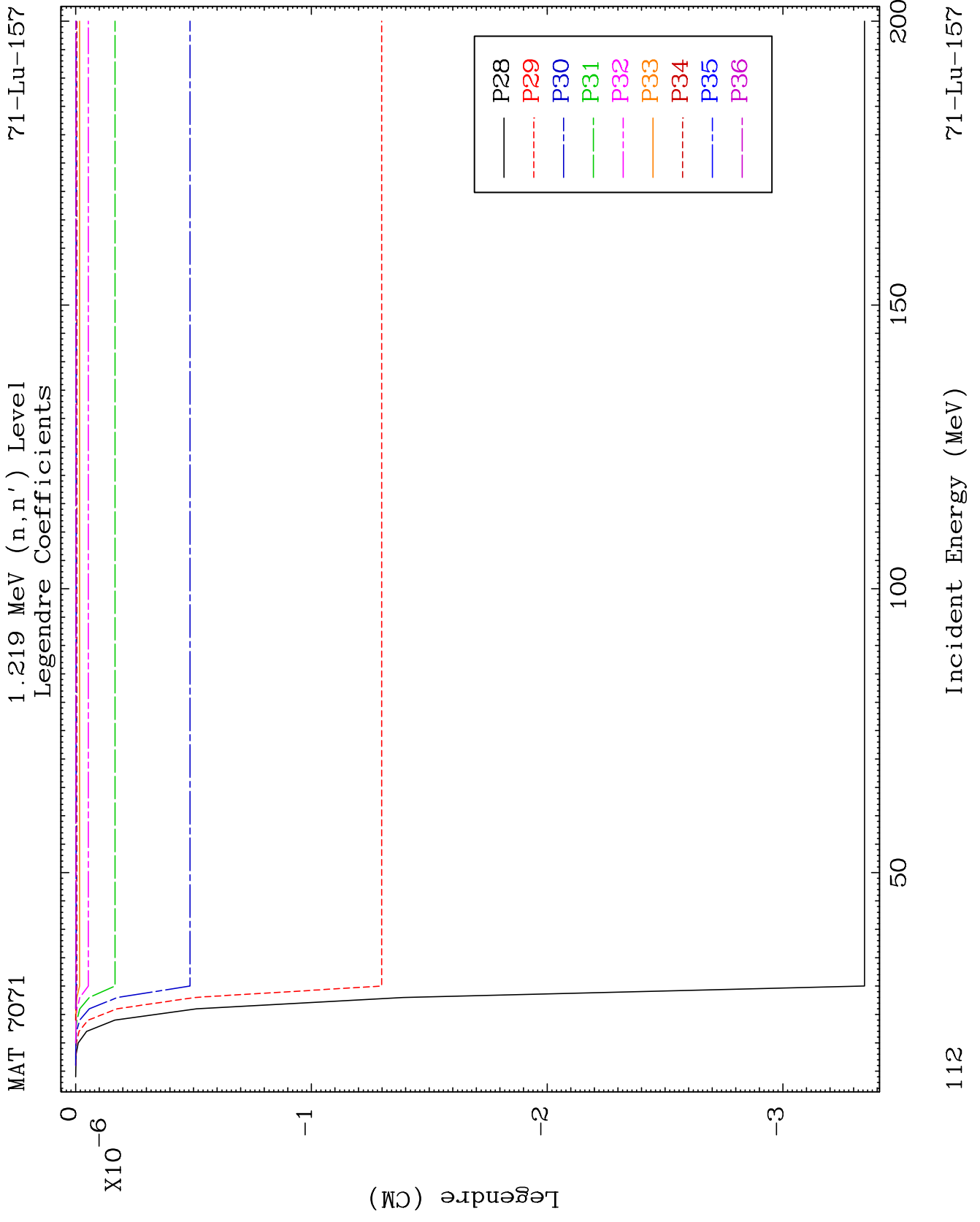


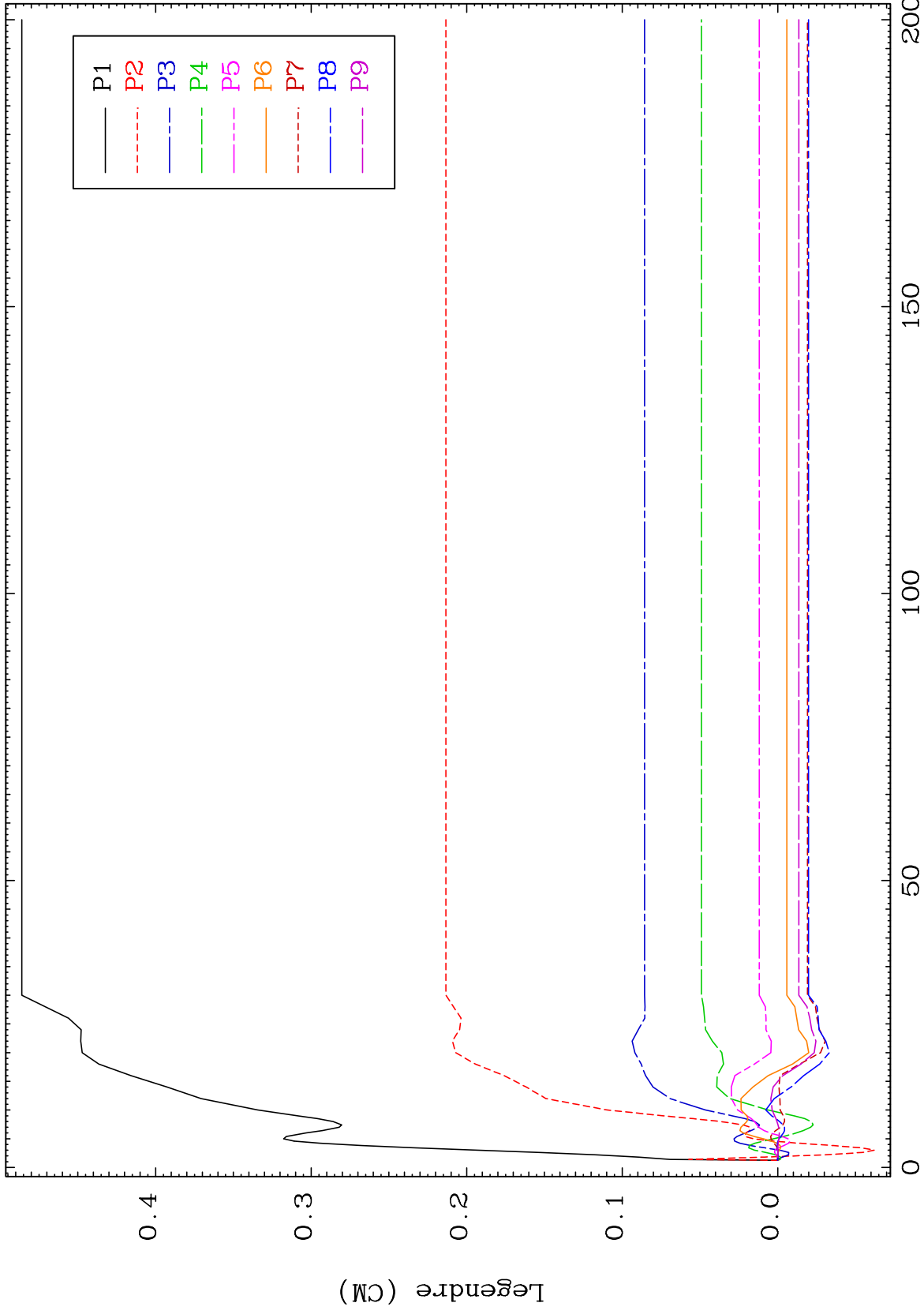








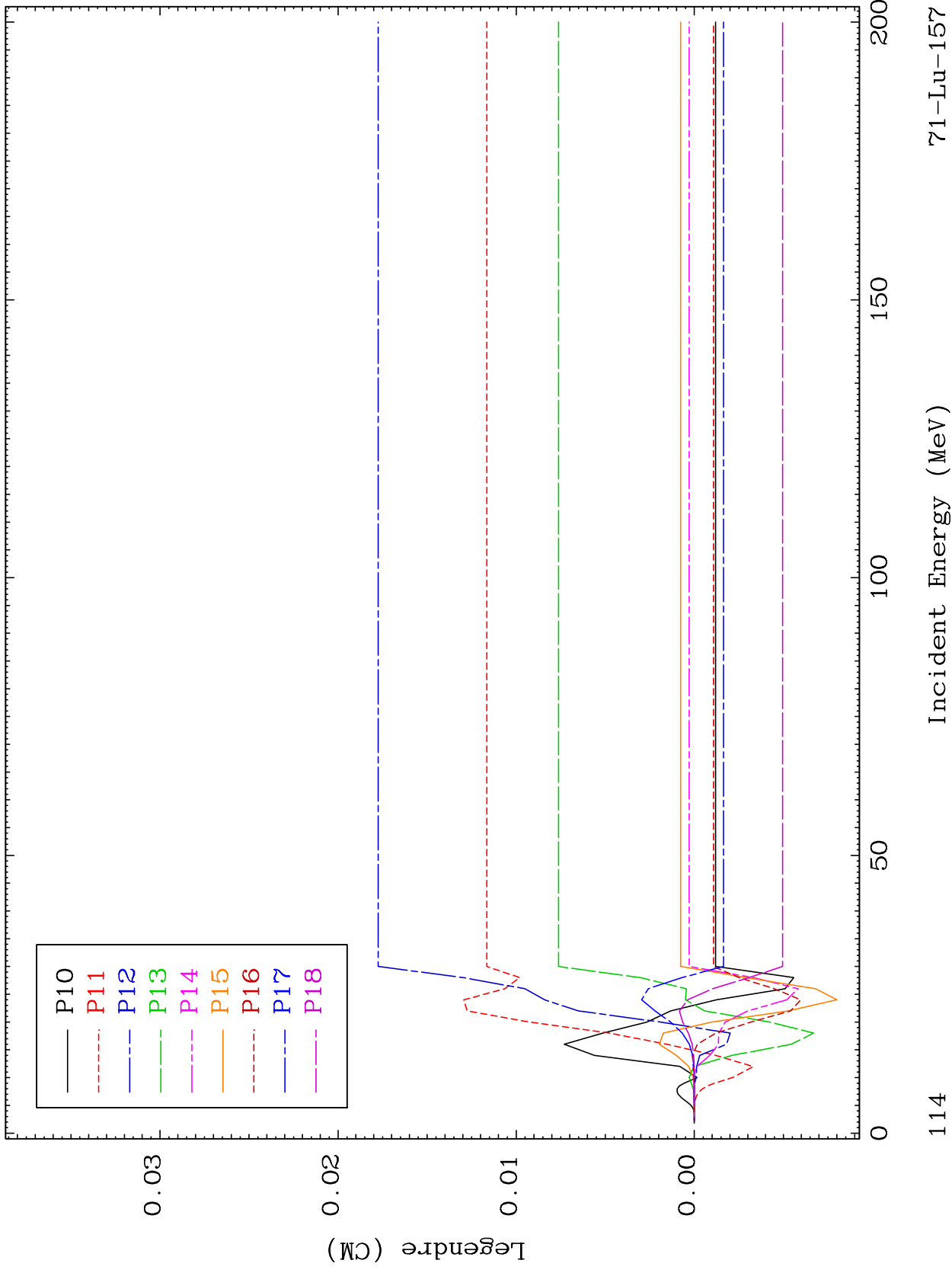




MAT 7071

1.224 MeV (n, n') Level
Legendre Coefficients

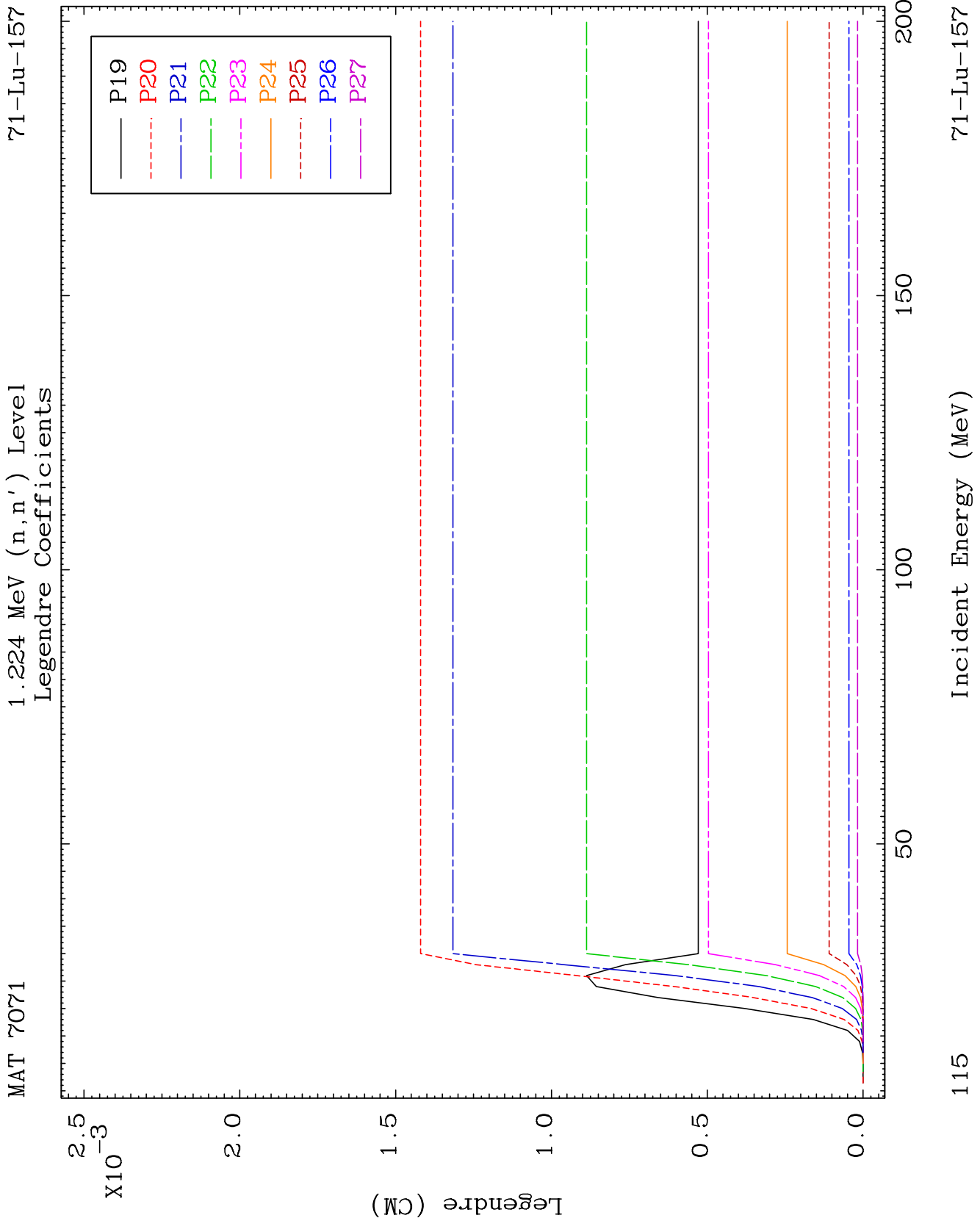
71-Lu-157

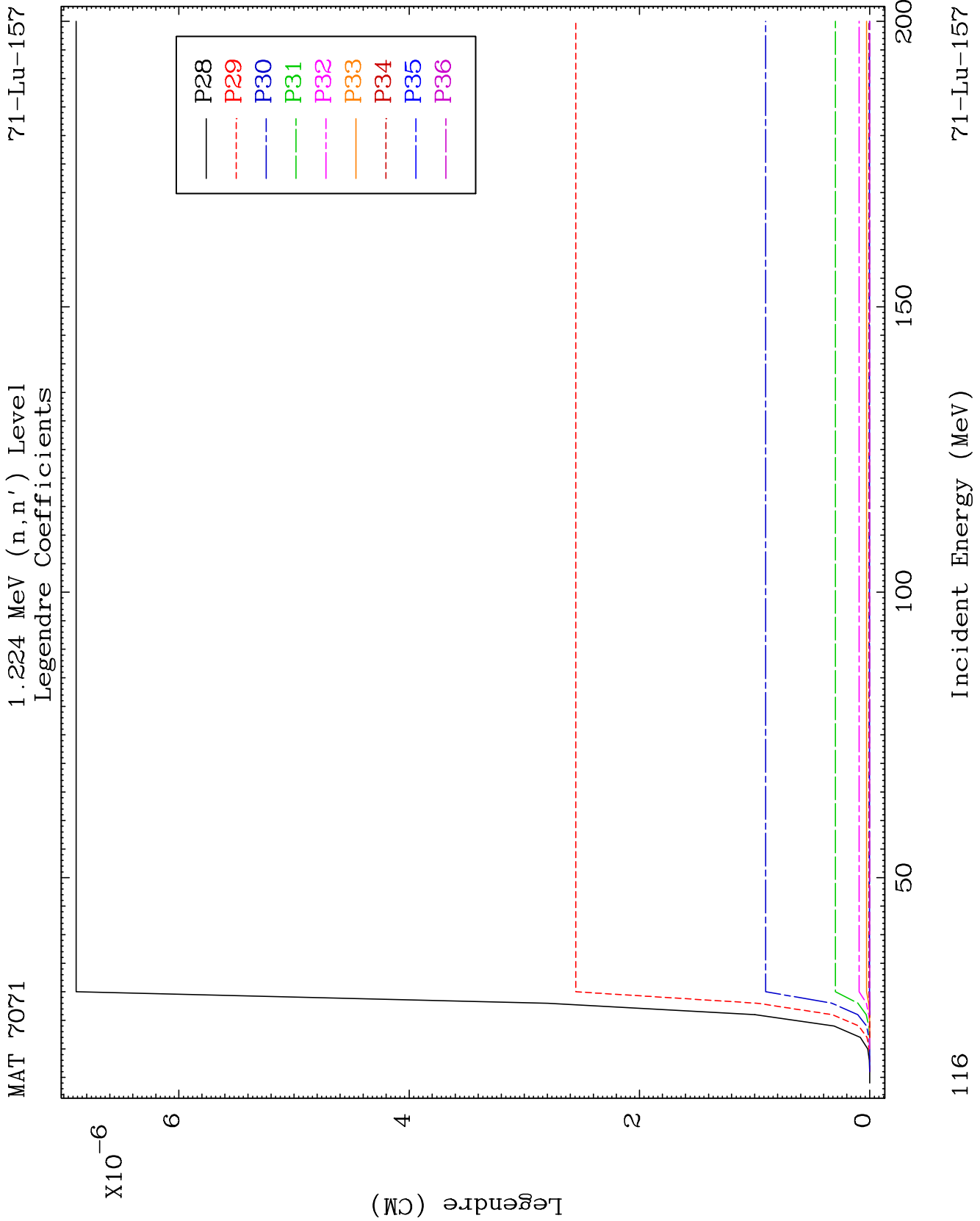


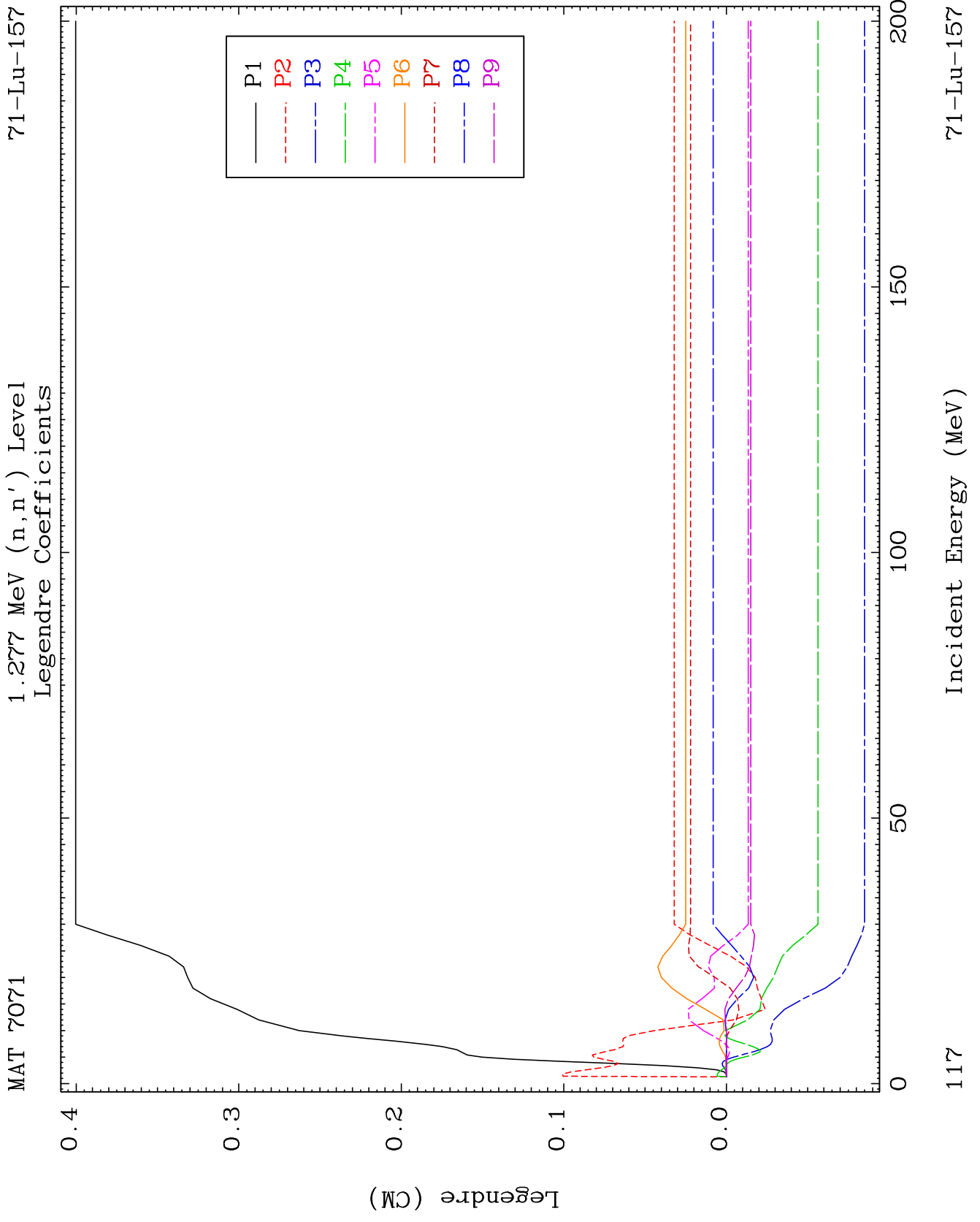
114

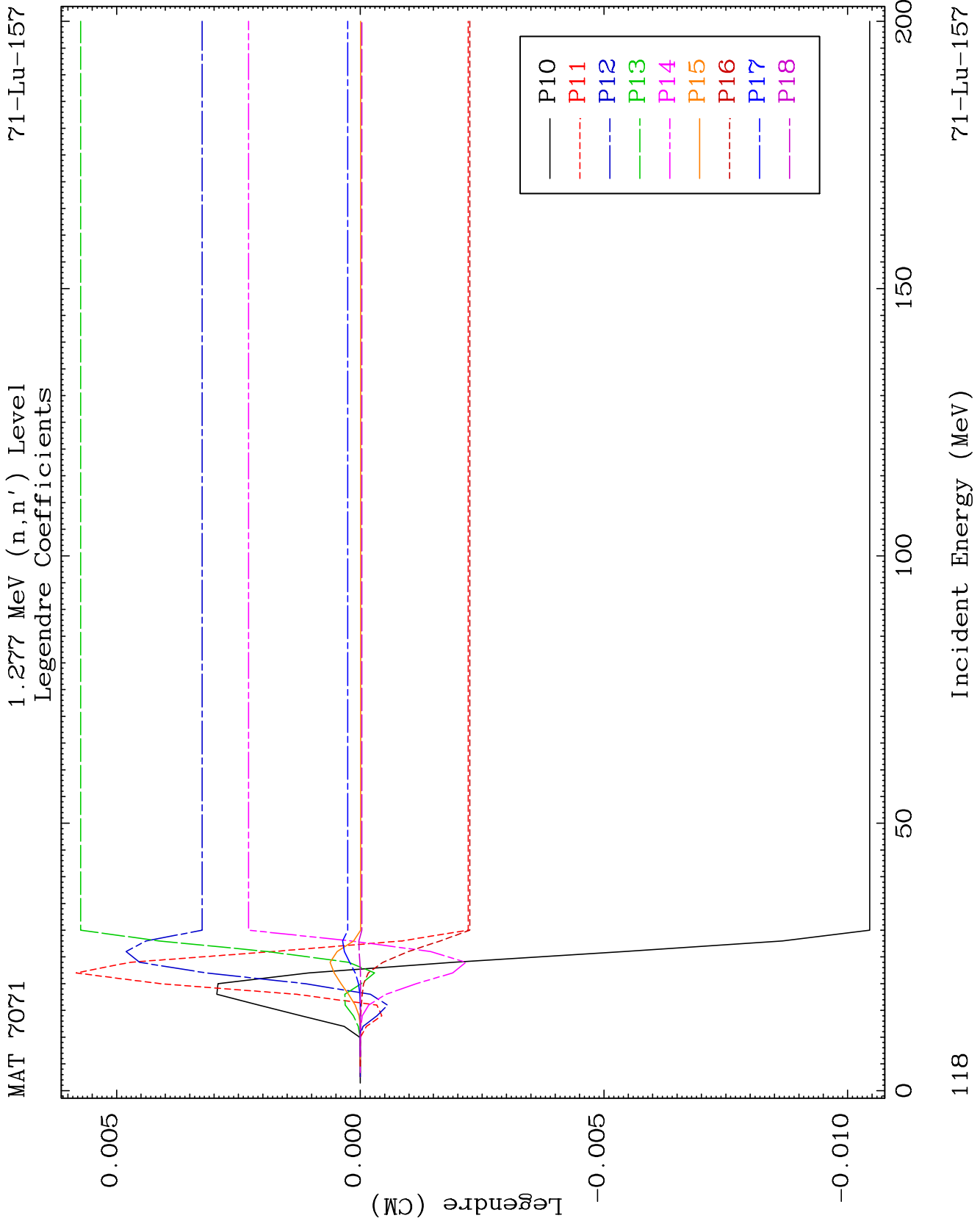
Incident Energy (MeV)

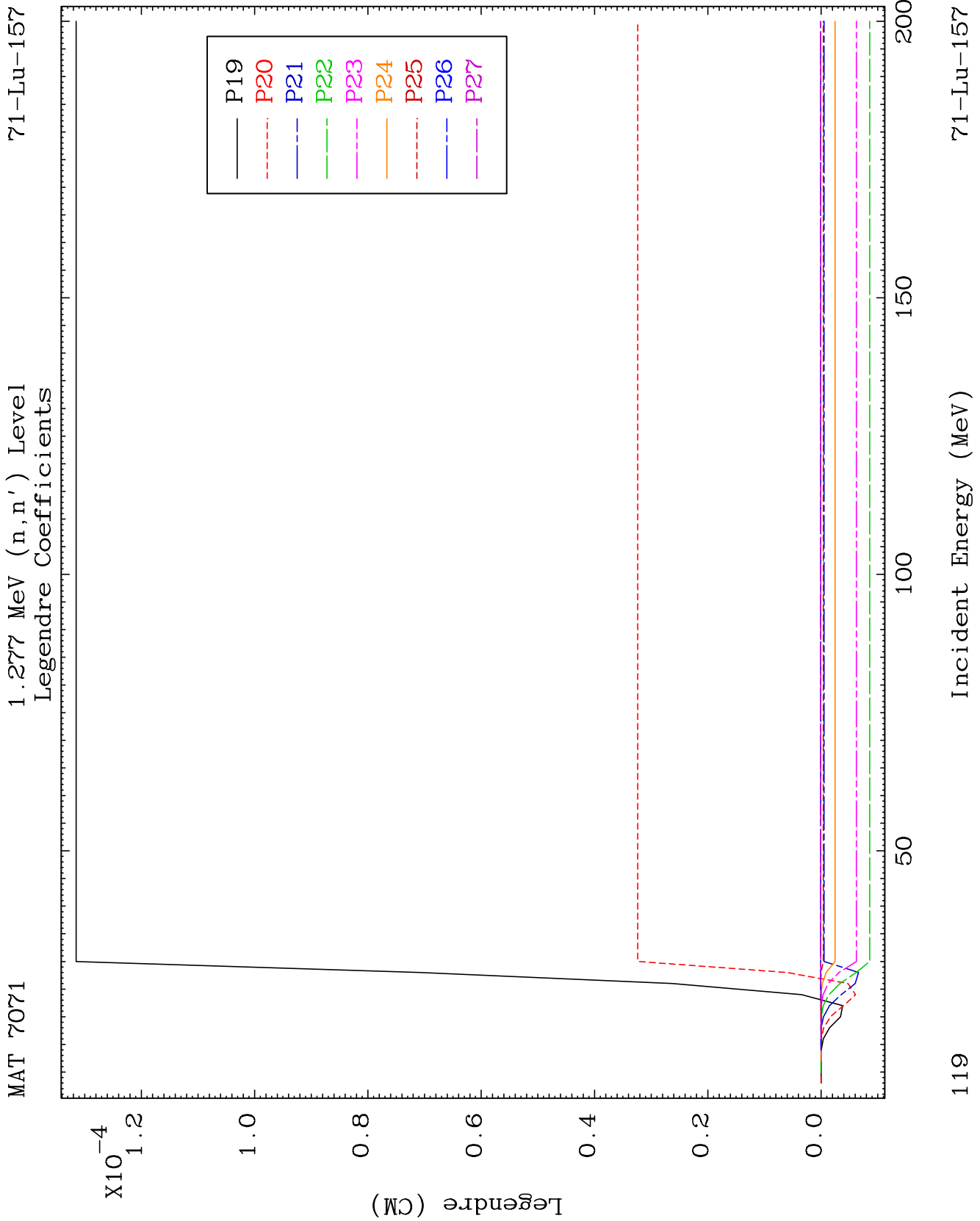
71-Lu-157







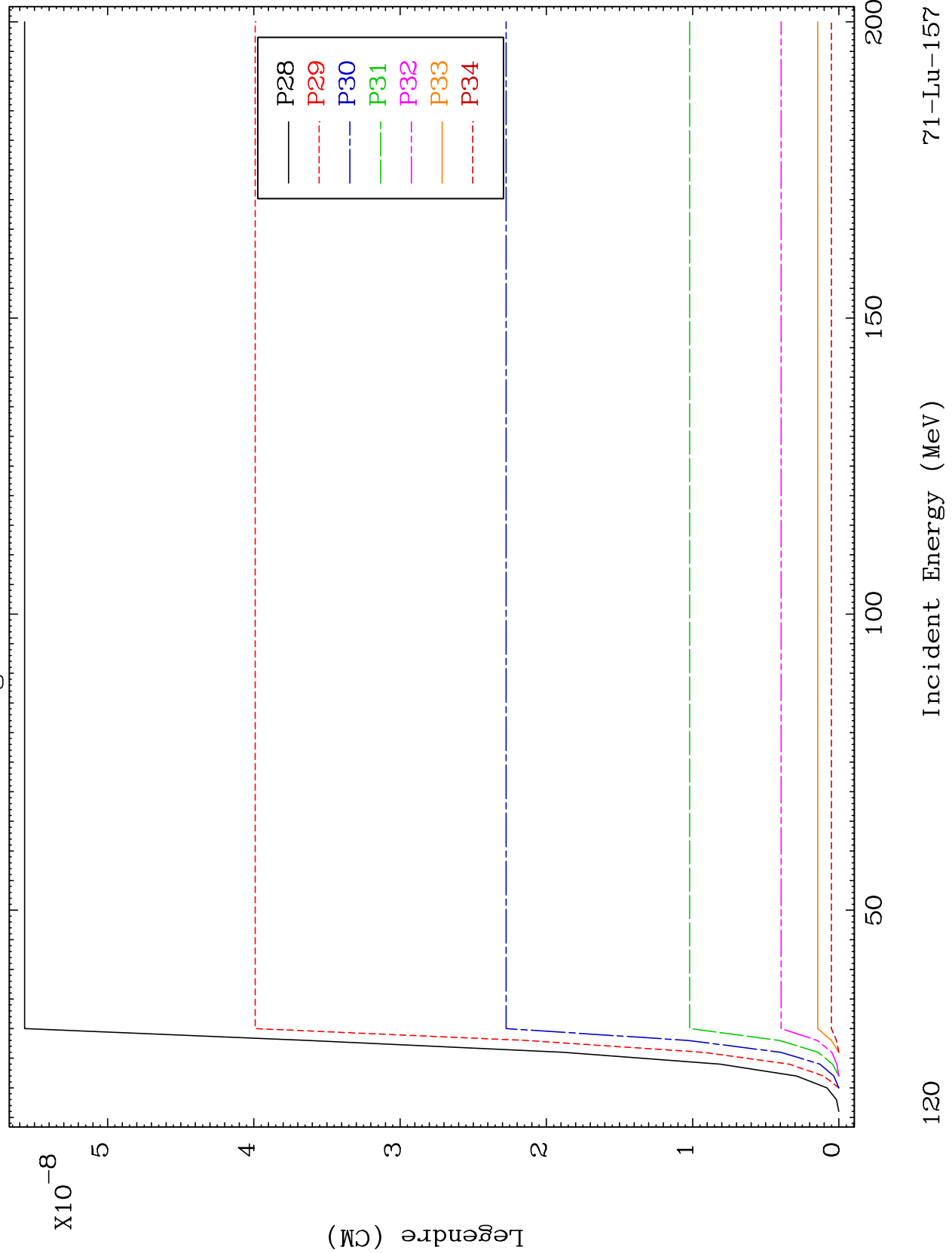




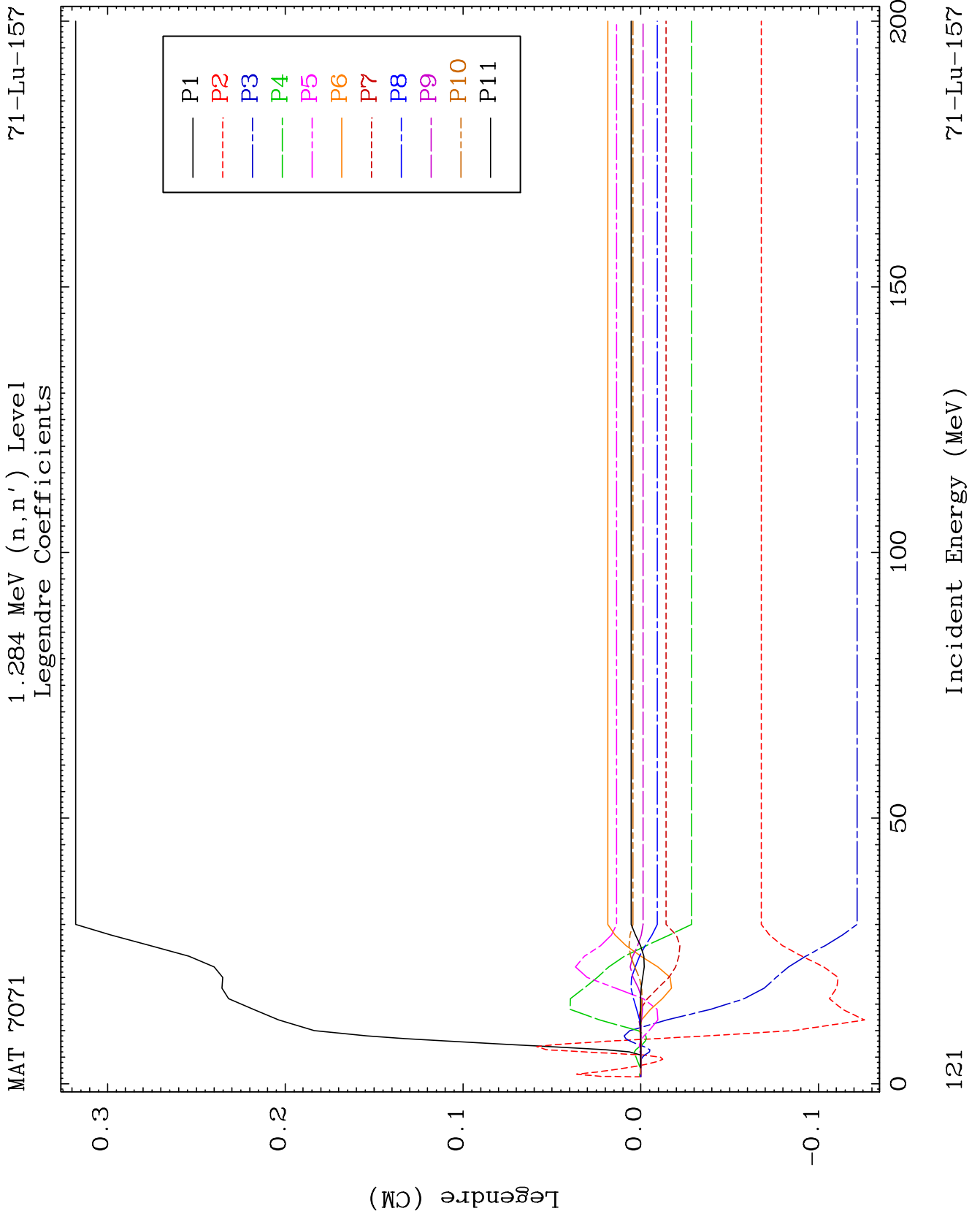
MAT 7071

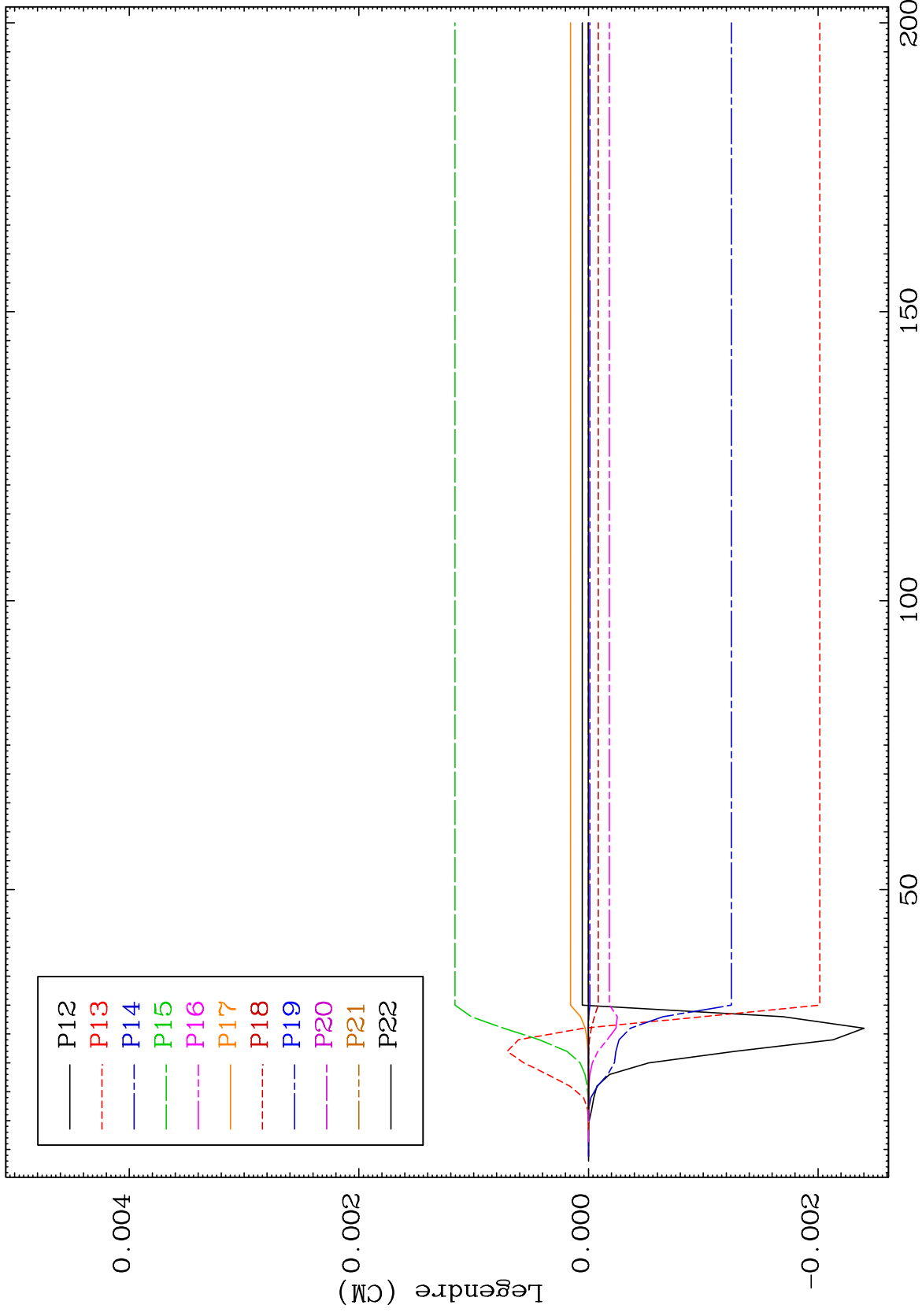
1.277 MeV (n,n') Level Legendre Coefficients

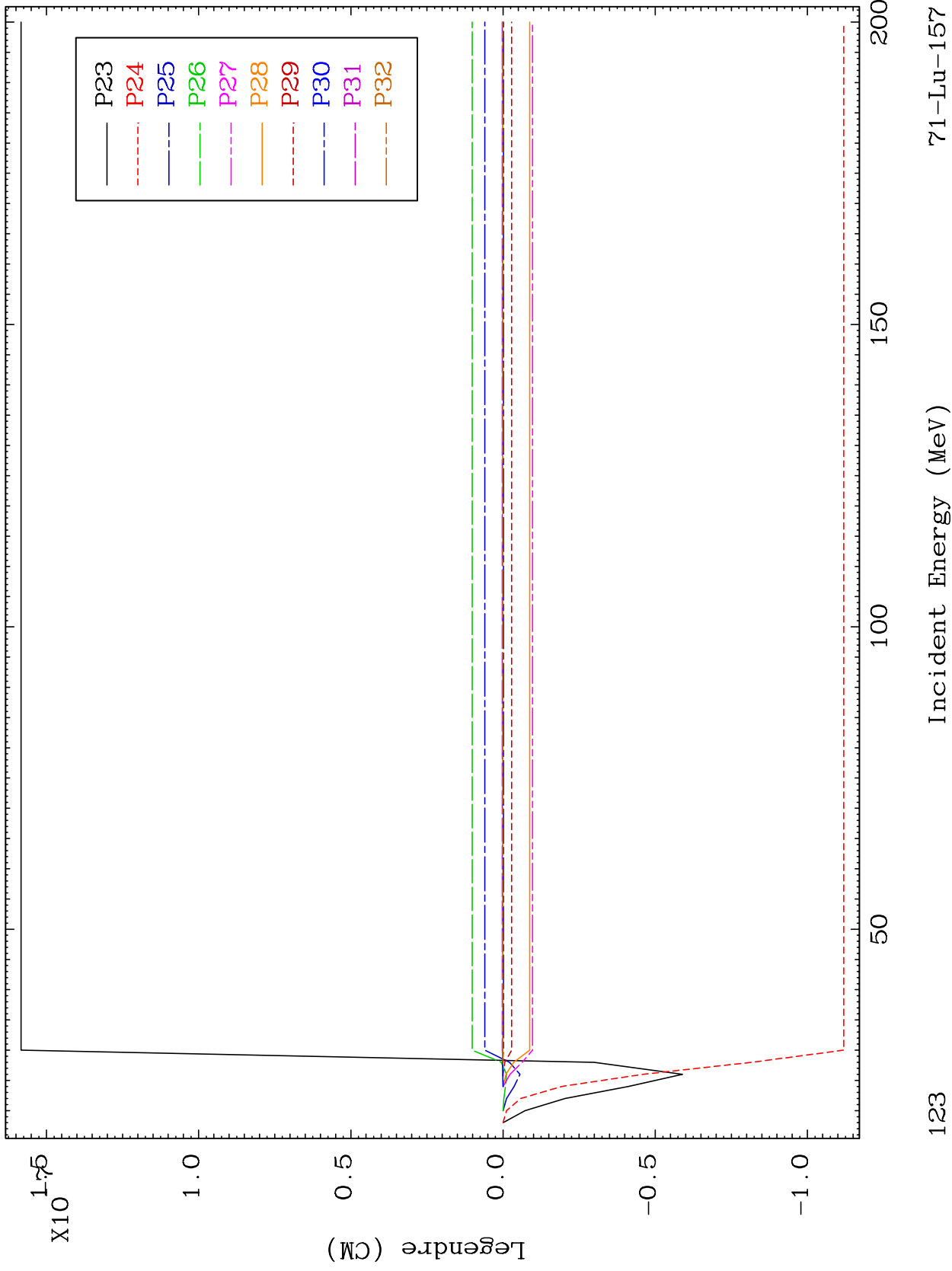
71-Lu-157

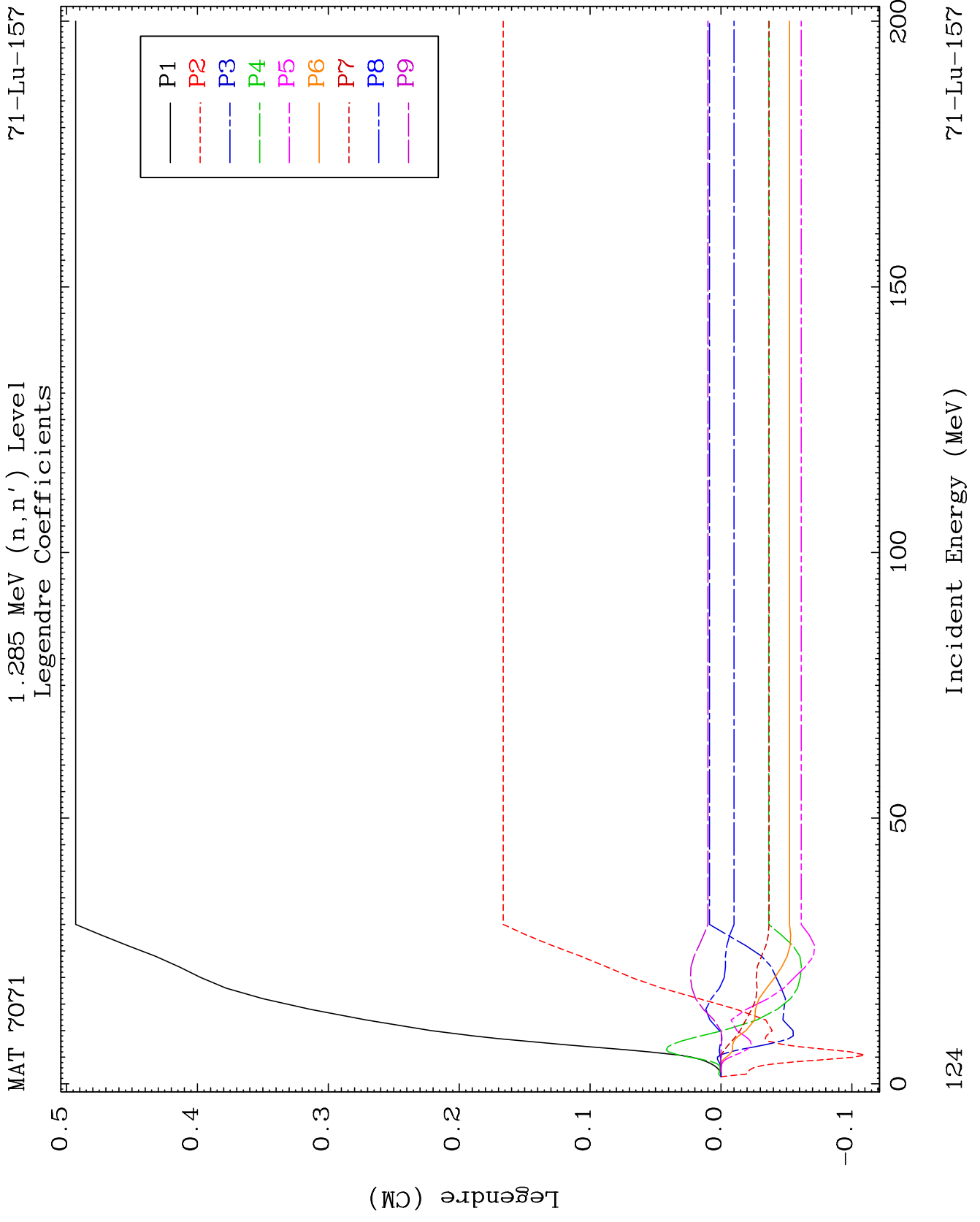


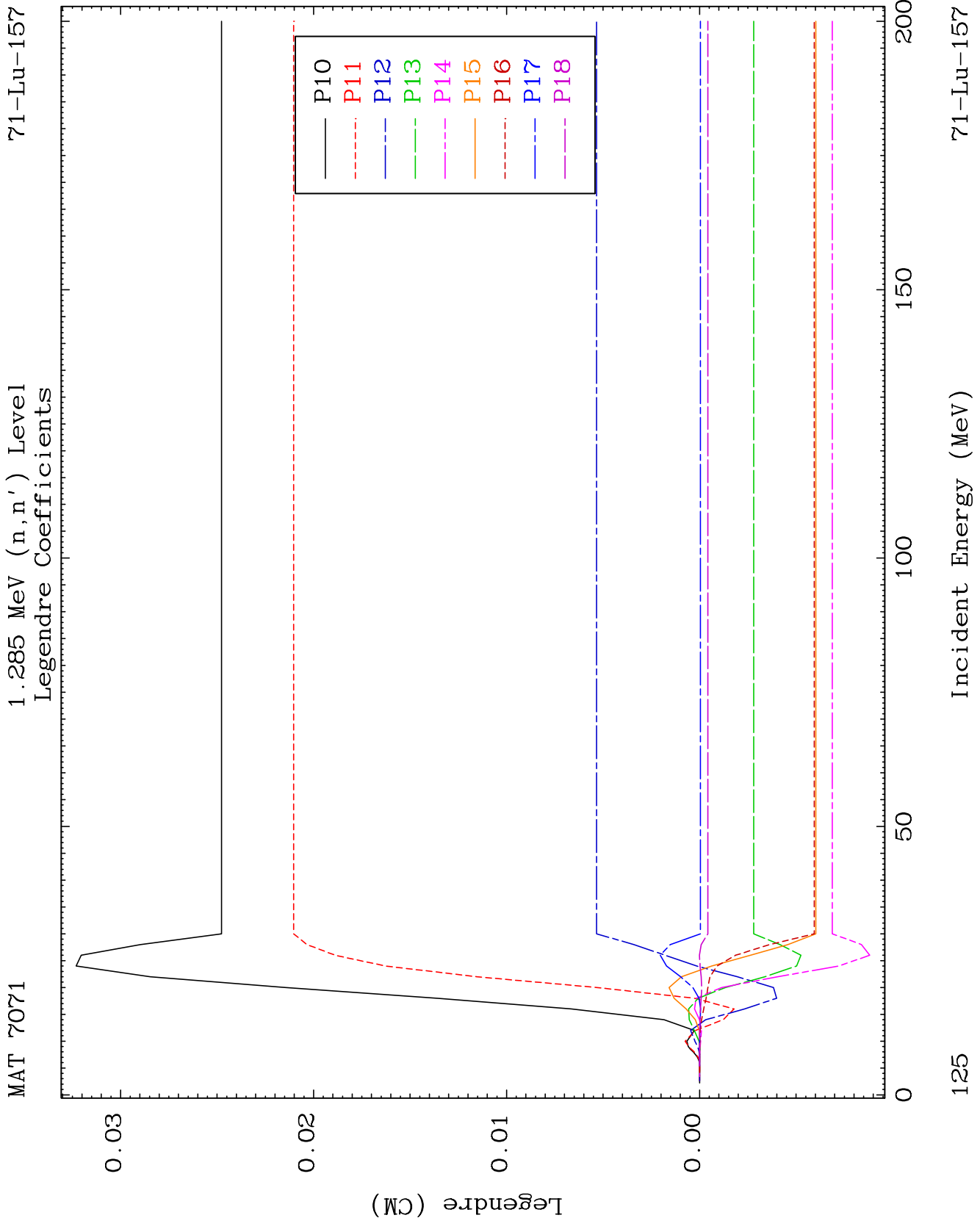
71-Lu-157

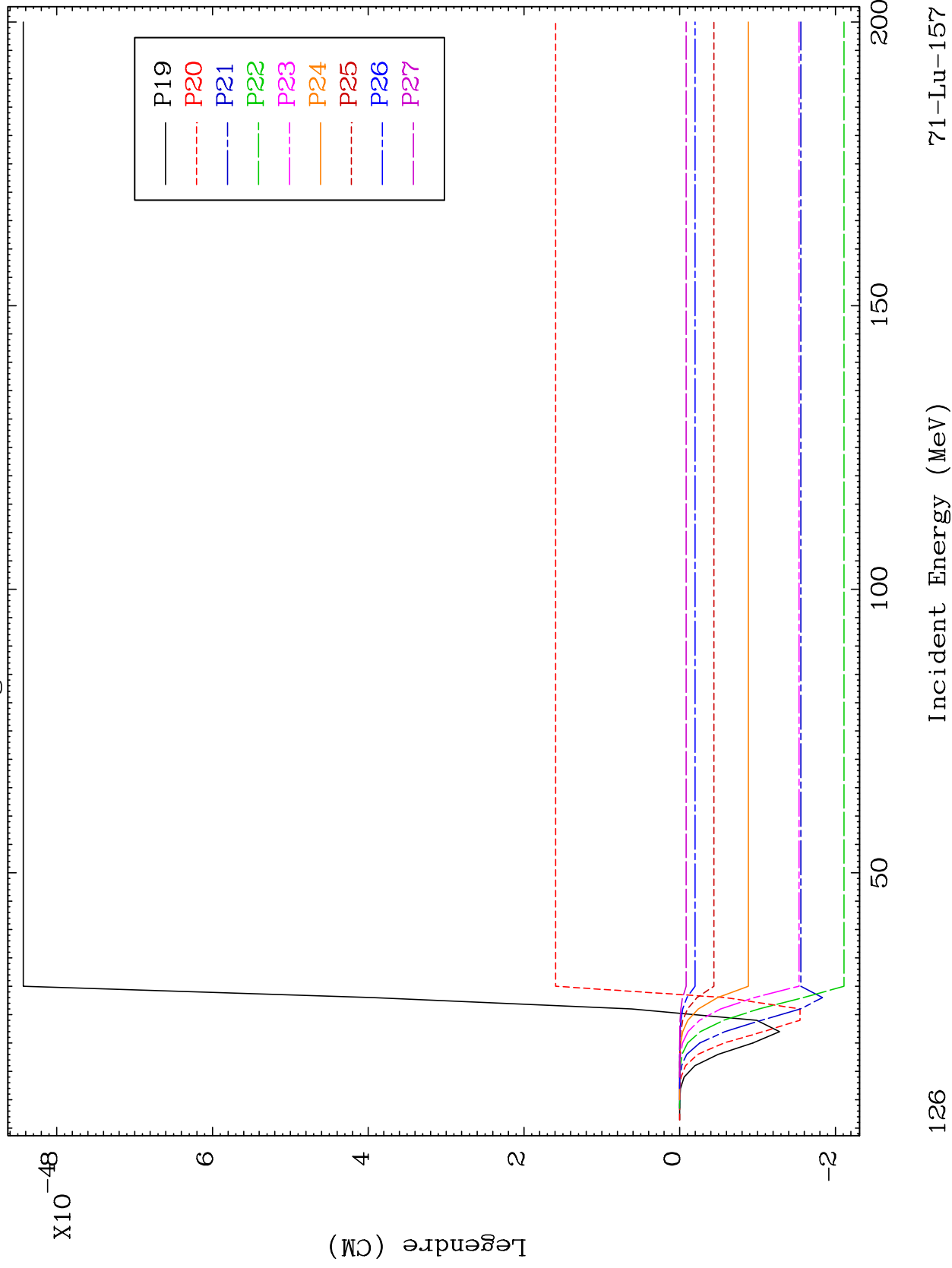


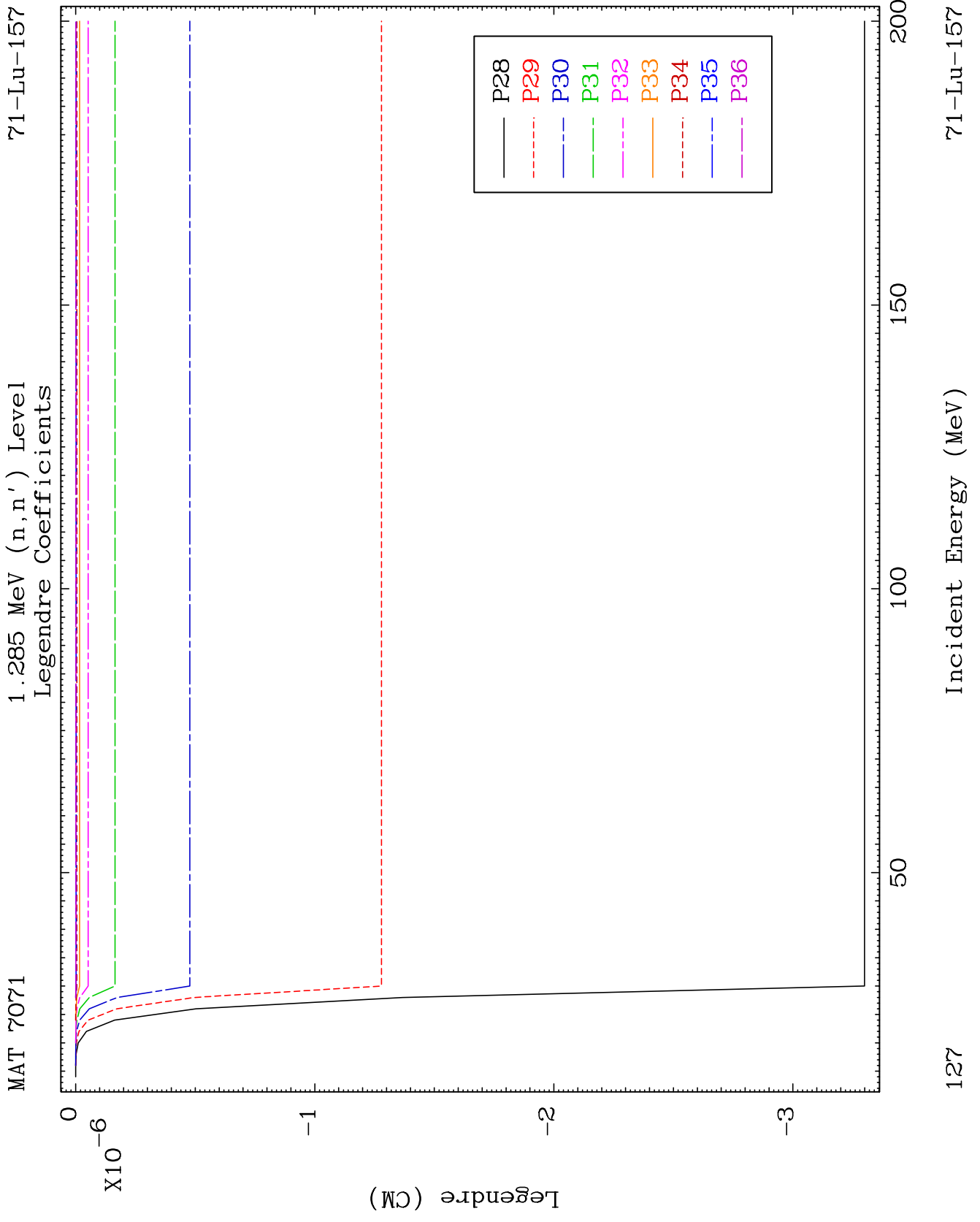


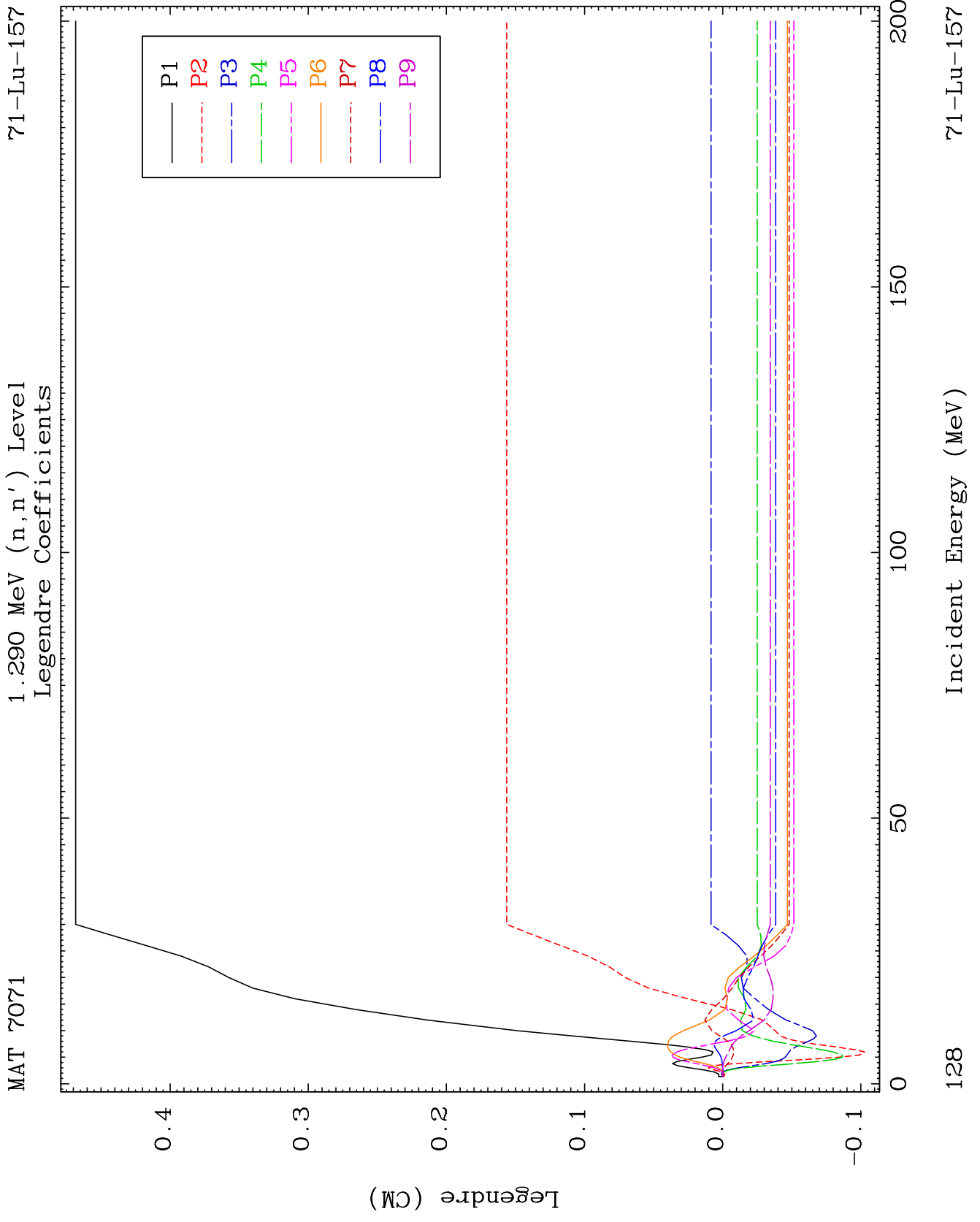








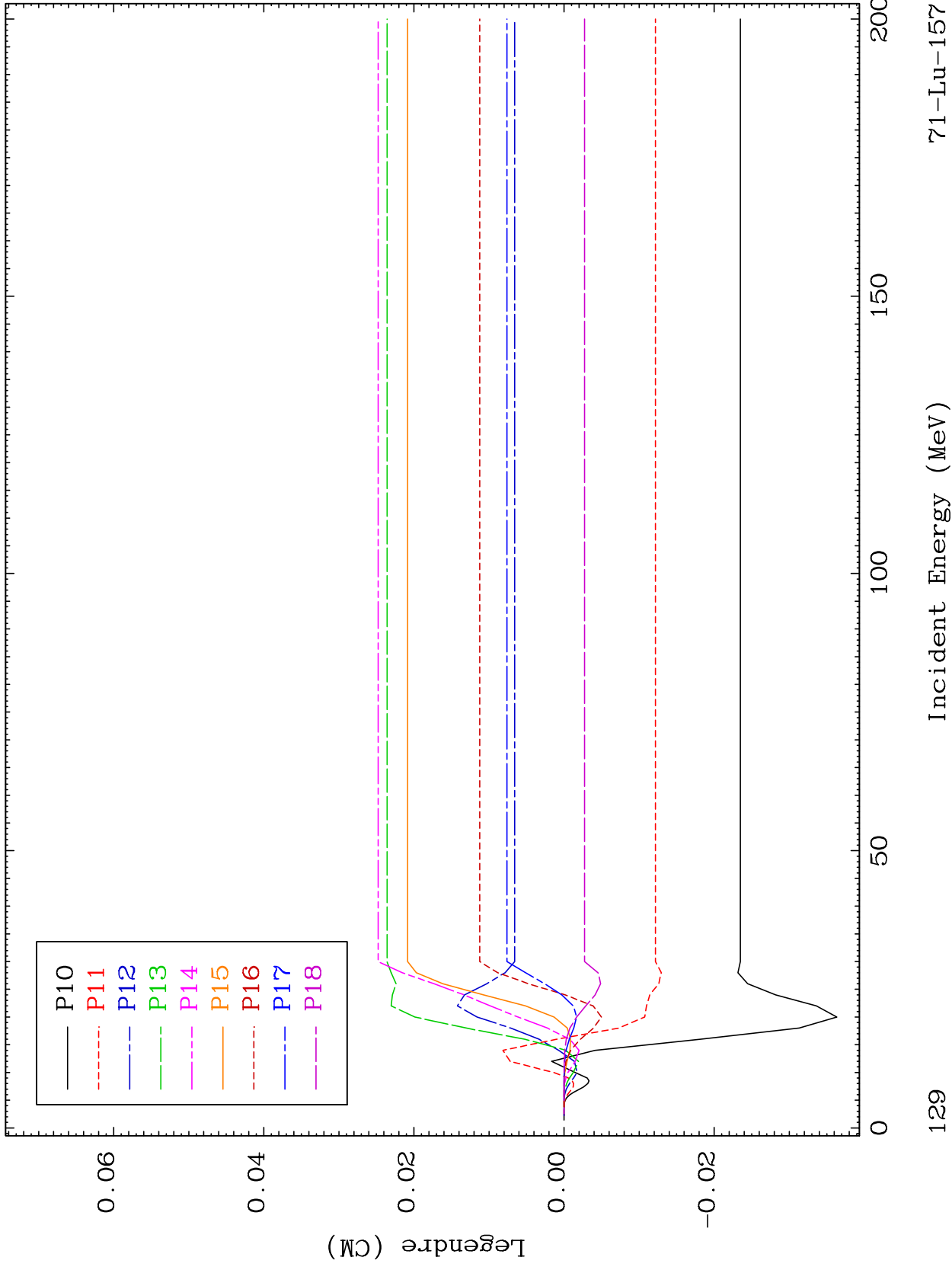




MAT 7071

1.290 MeV (n,n') Level
Legendre Coefficients

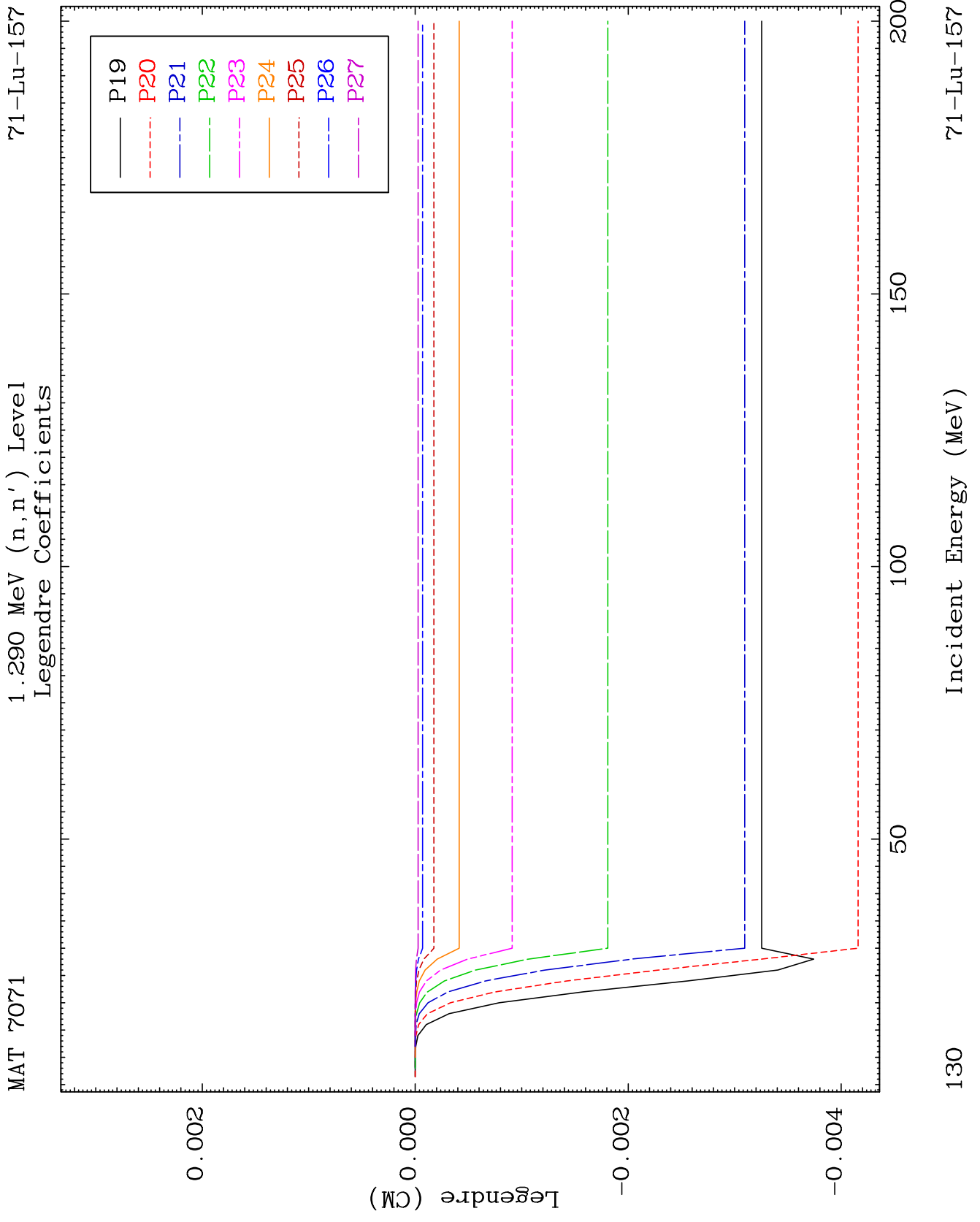
71-Lu-157

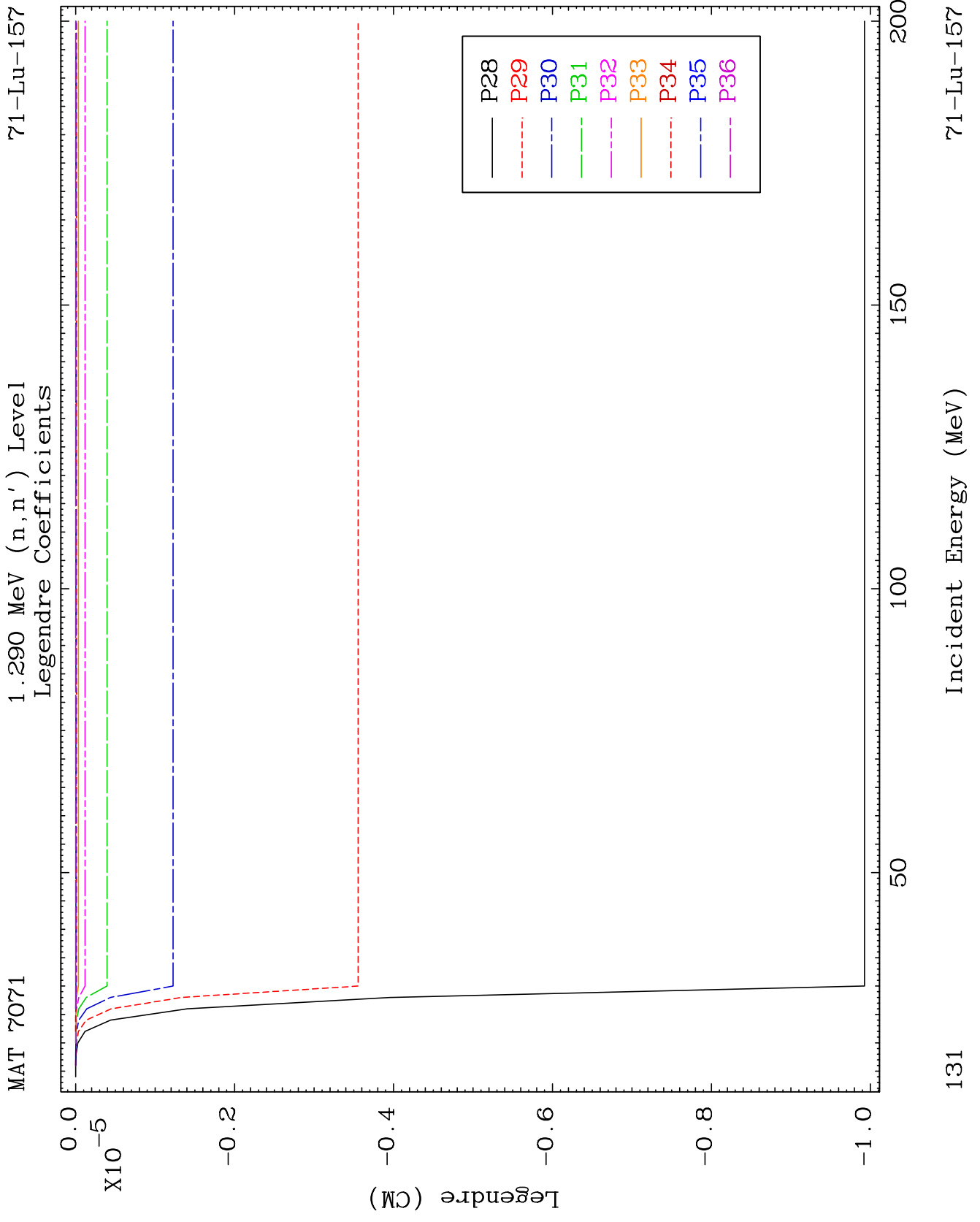


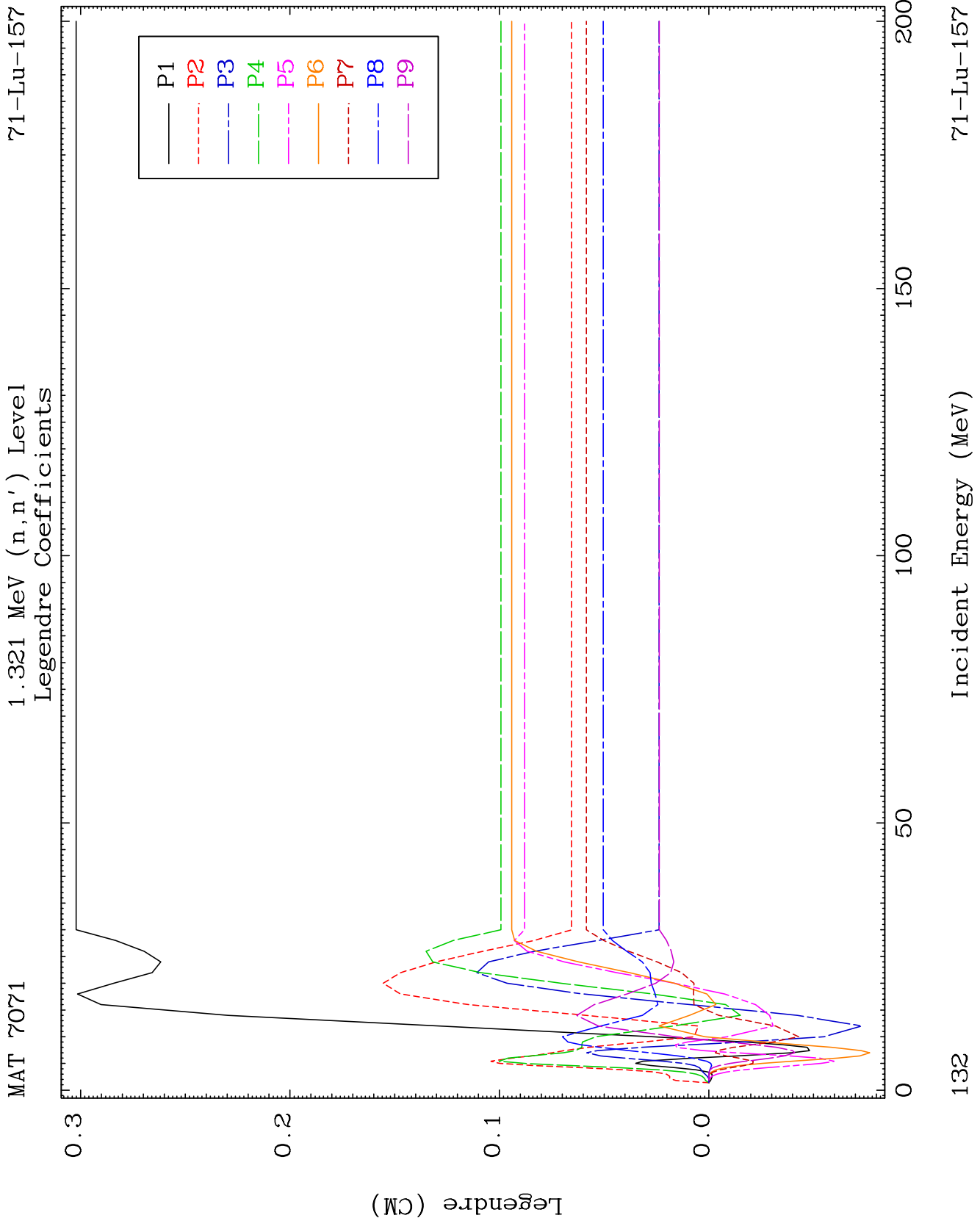
129

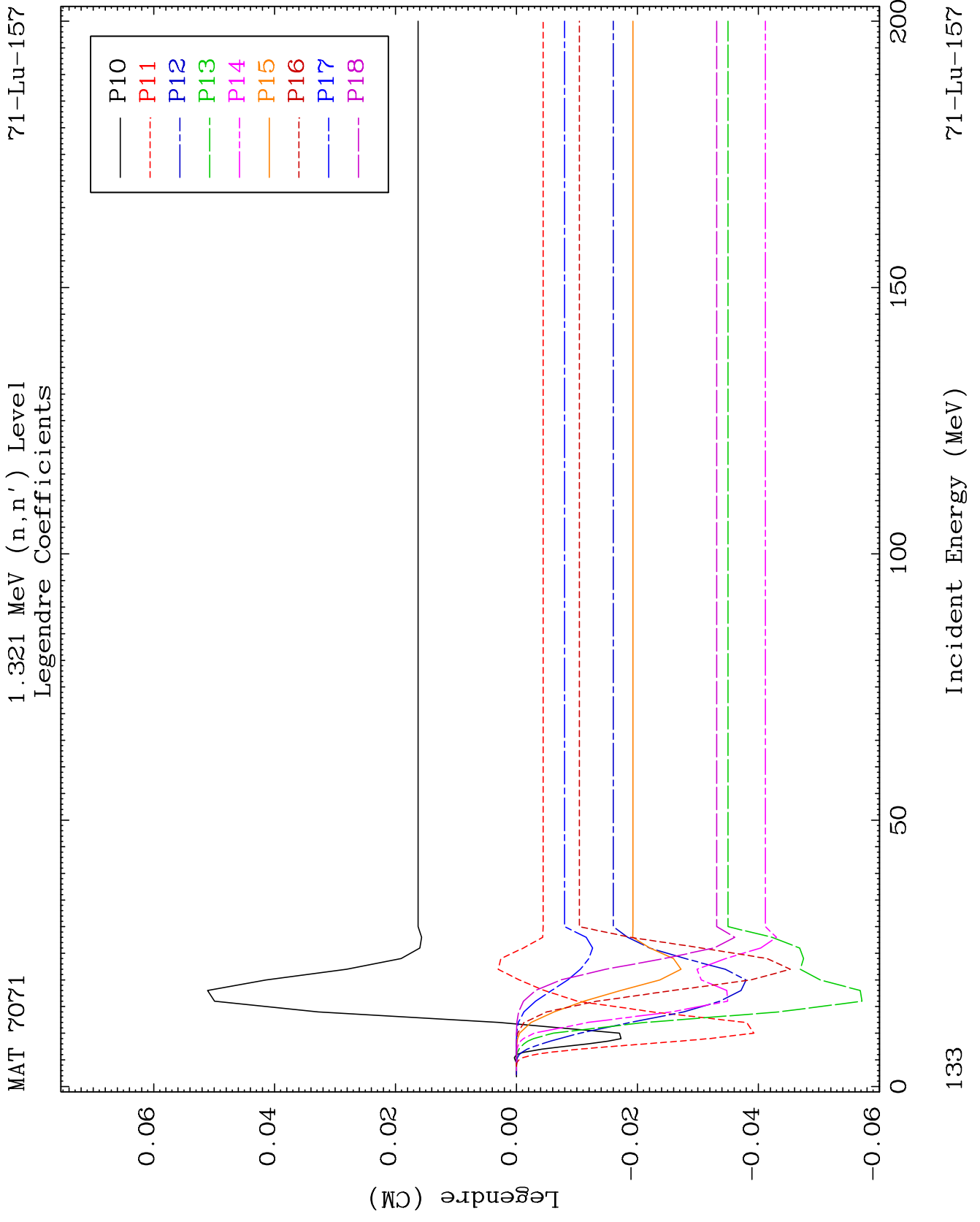
Incident Energy (MeV)

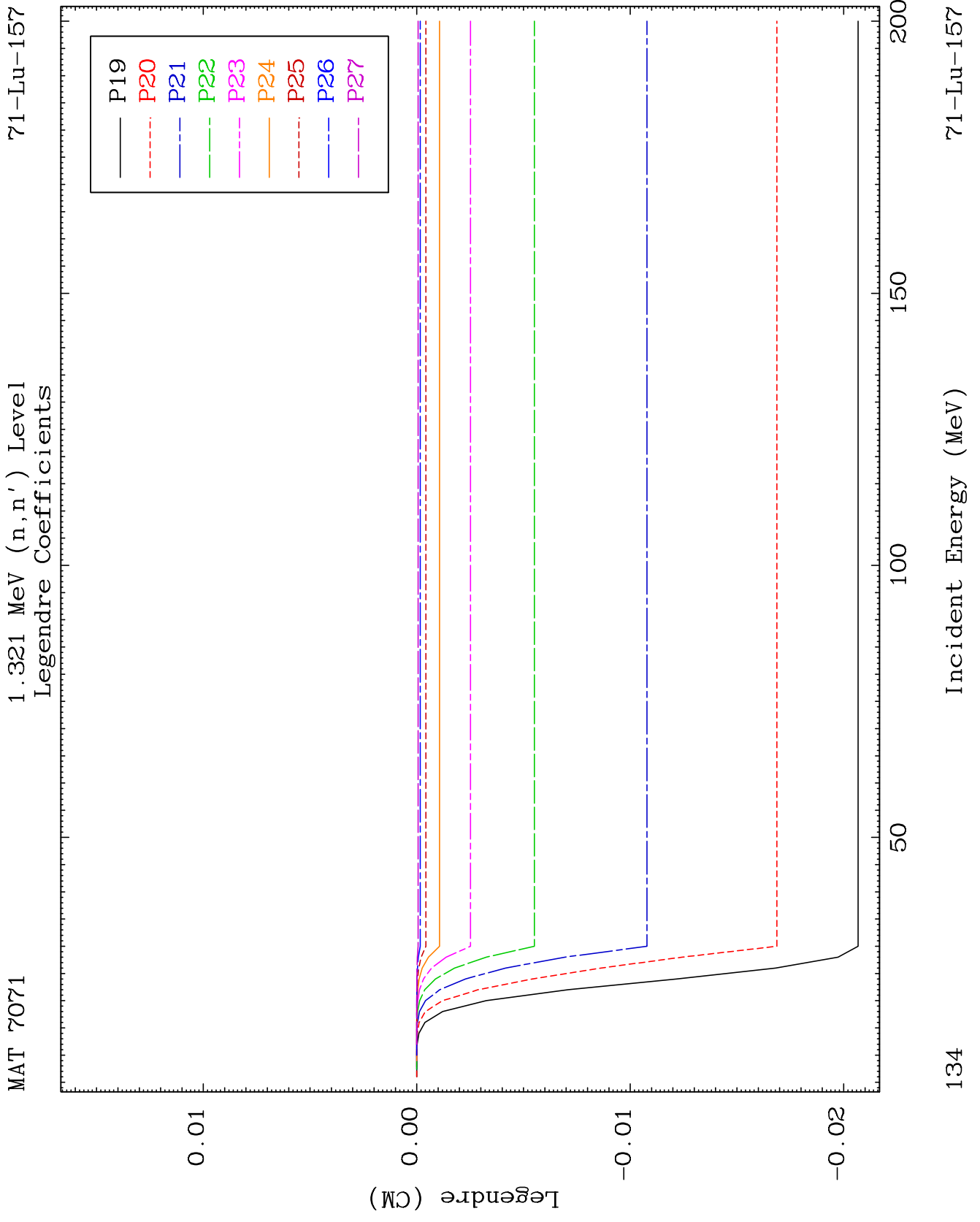
71-Lu-157

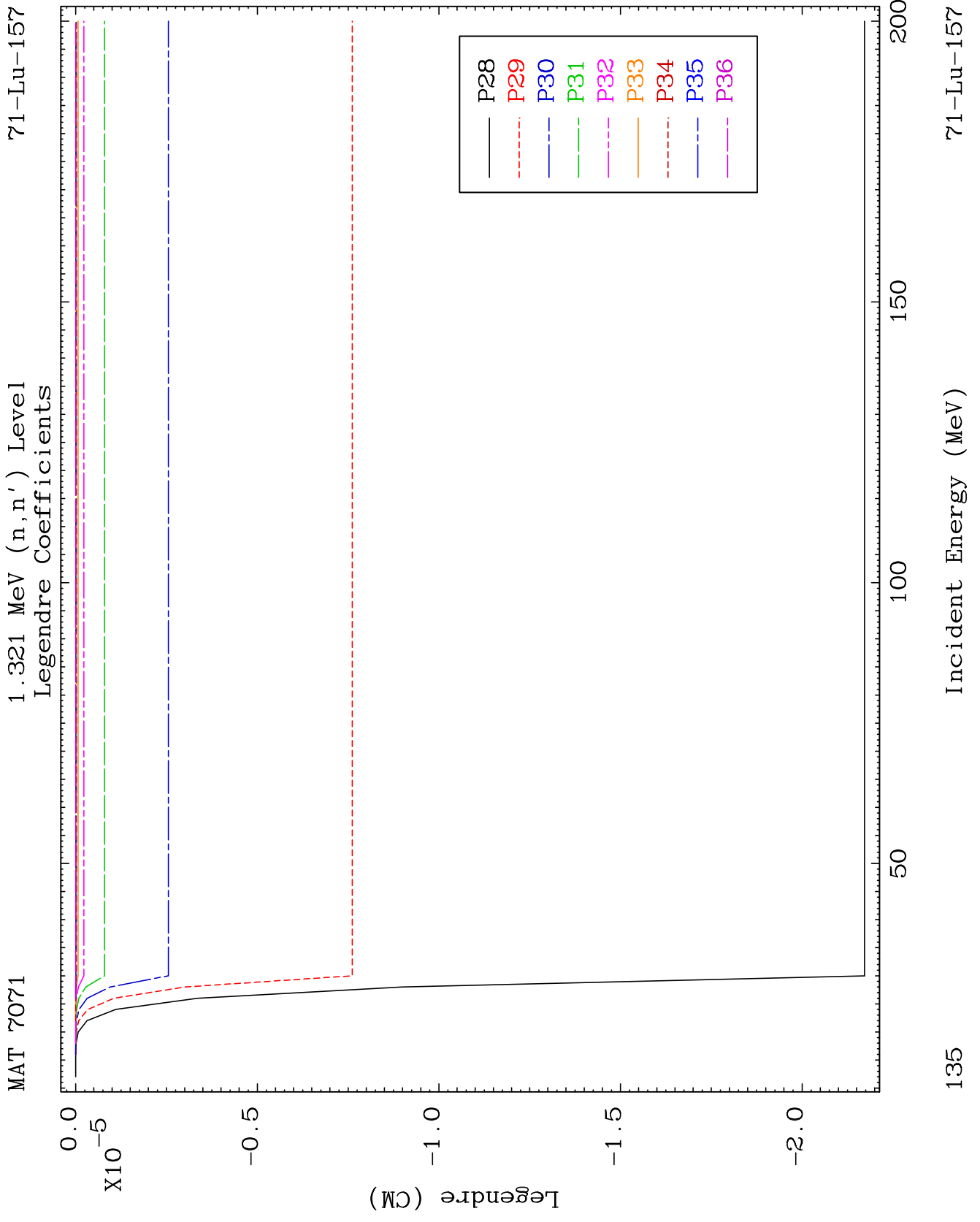








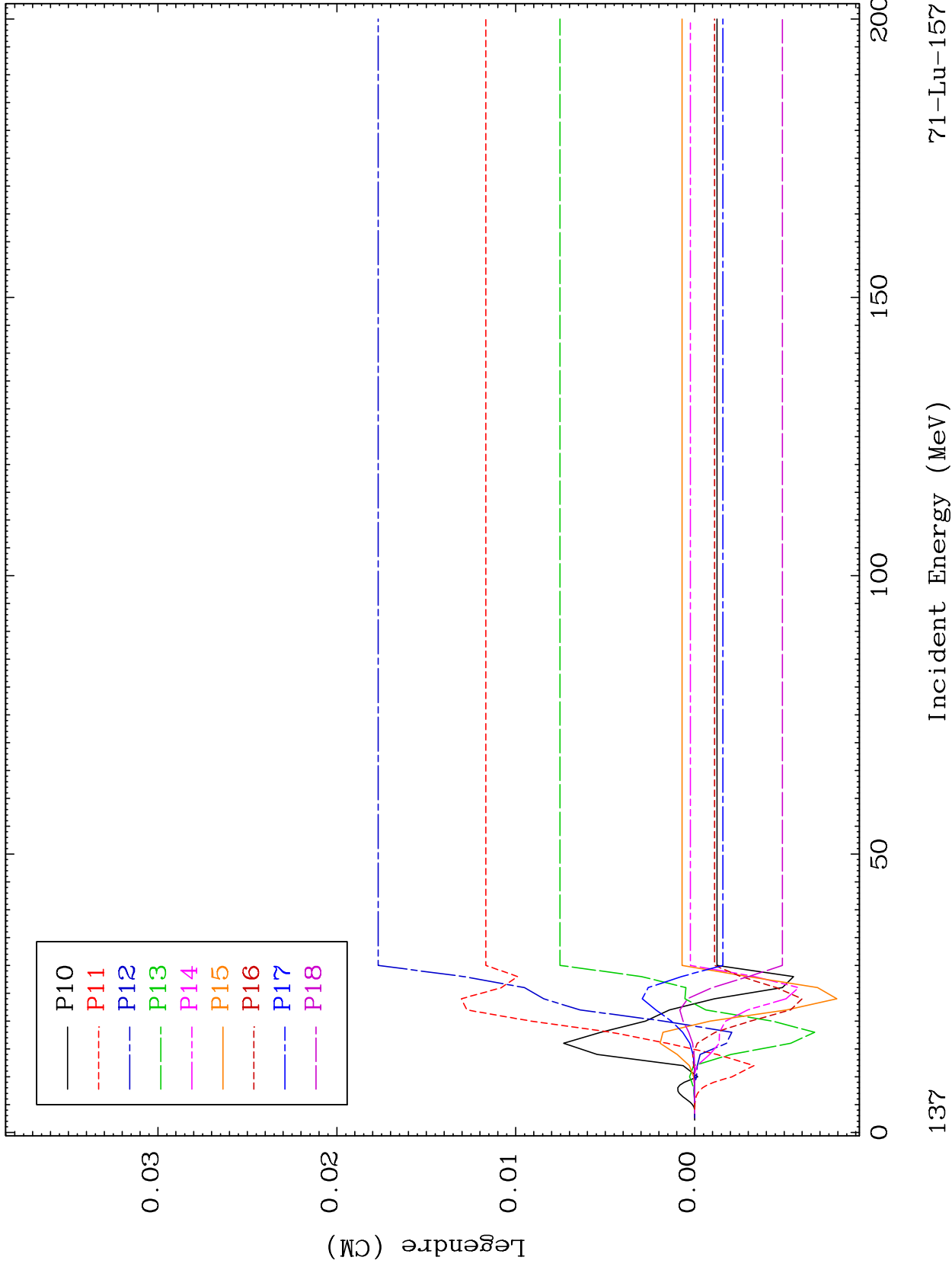




MAT 7071

1.324 MeV (n,n') Level
Legendre Coefficients

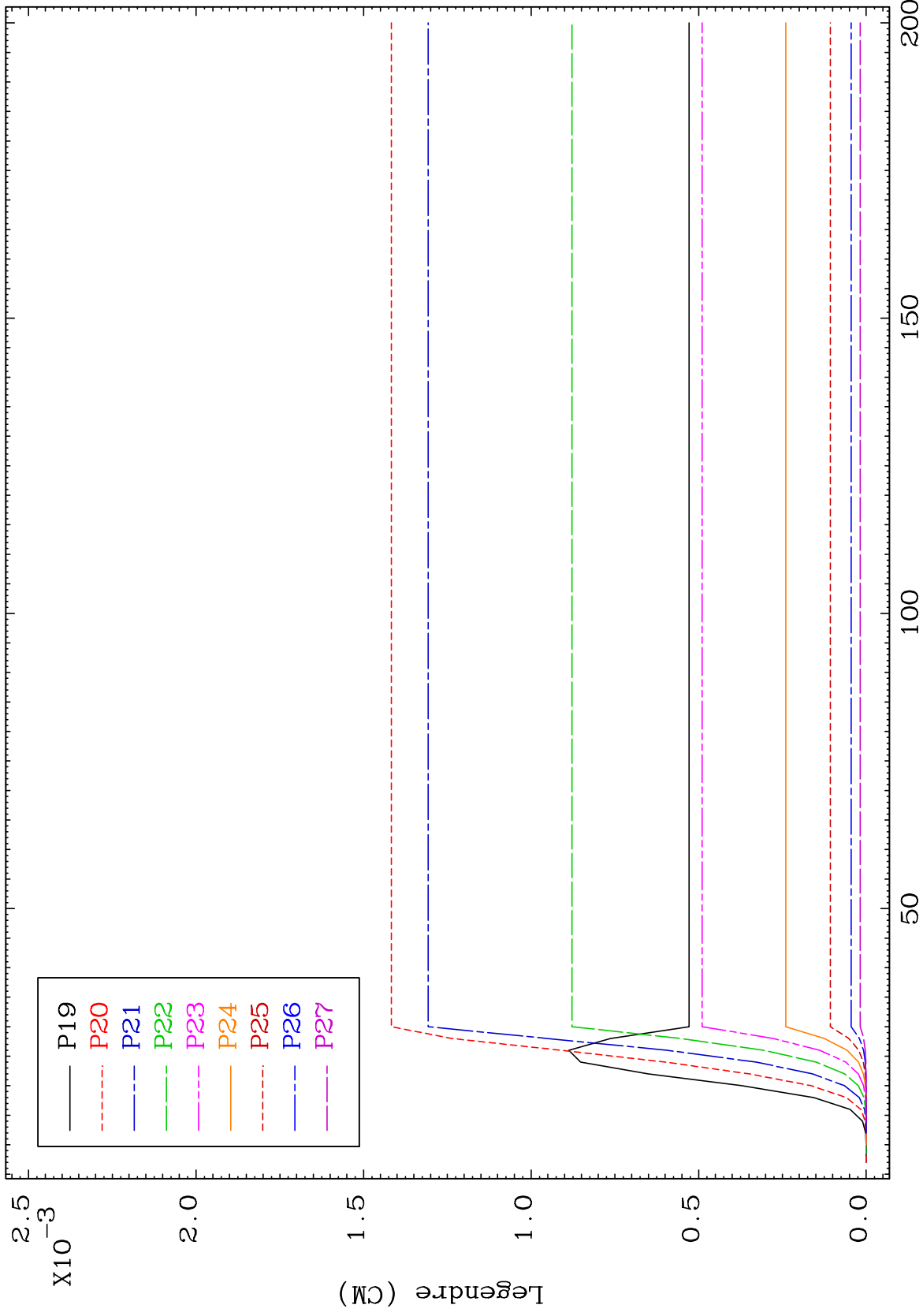
71-Lu-157

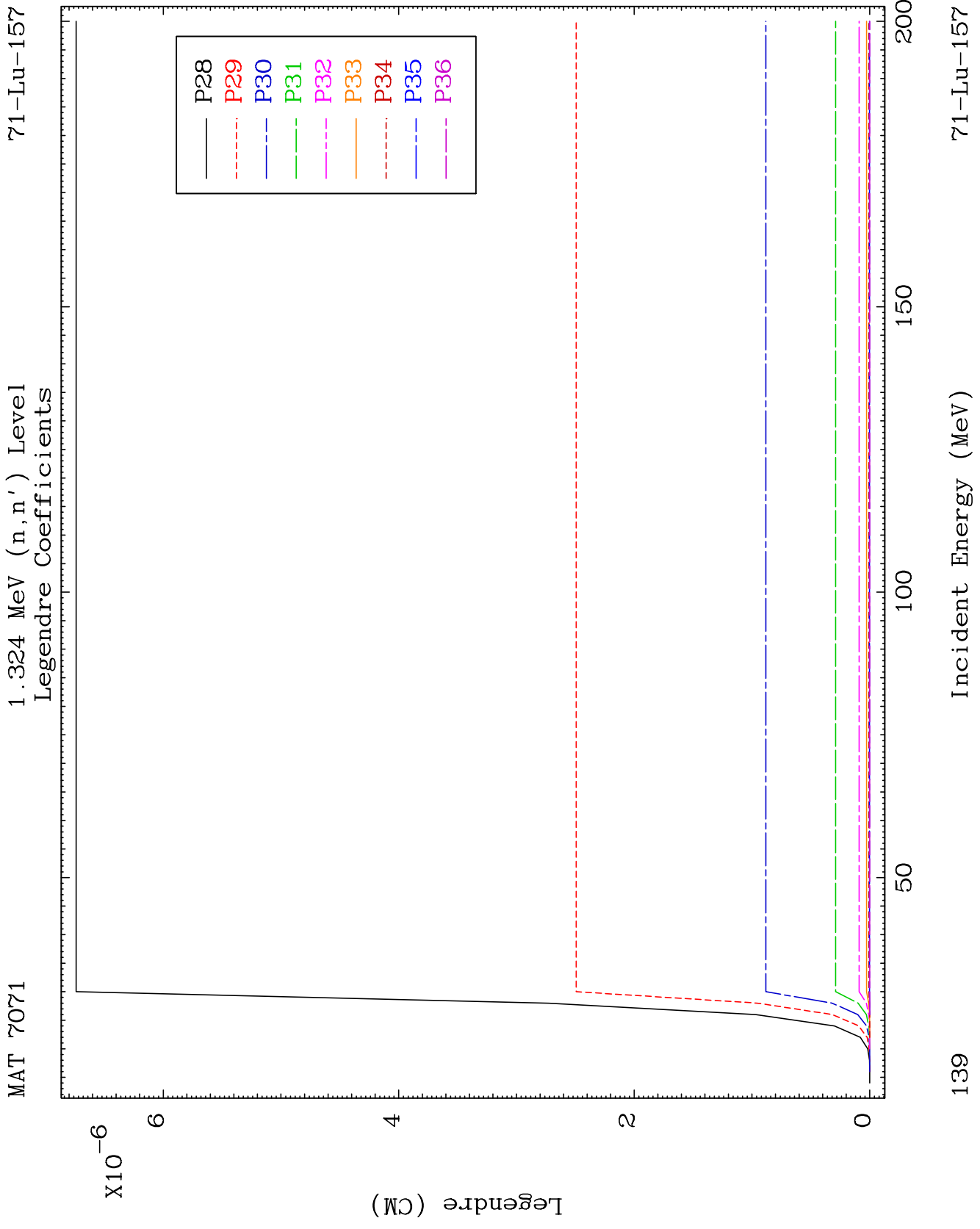


137

Incident Energy (MeV)

71-Lu-157

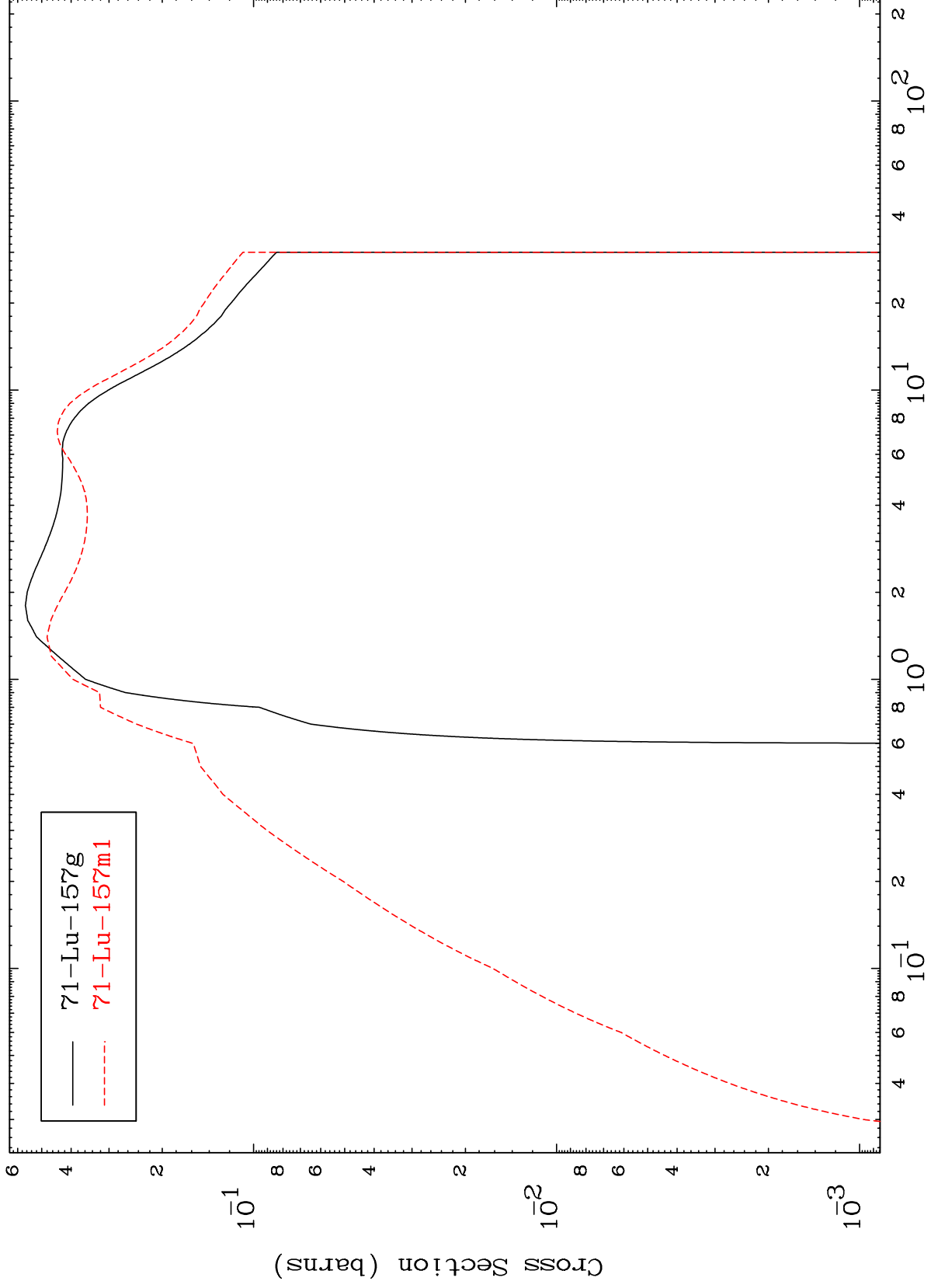




MAT 7071

71-Lu-157

Radionuclide Production Cross Section



71-Lu-157g
71-Lu-157m1

71-Lu-157

Incident Energy (MeV)

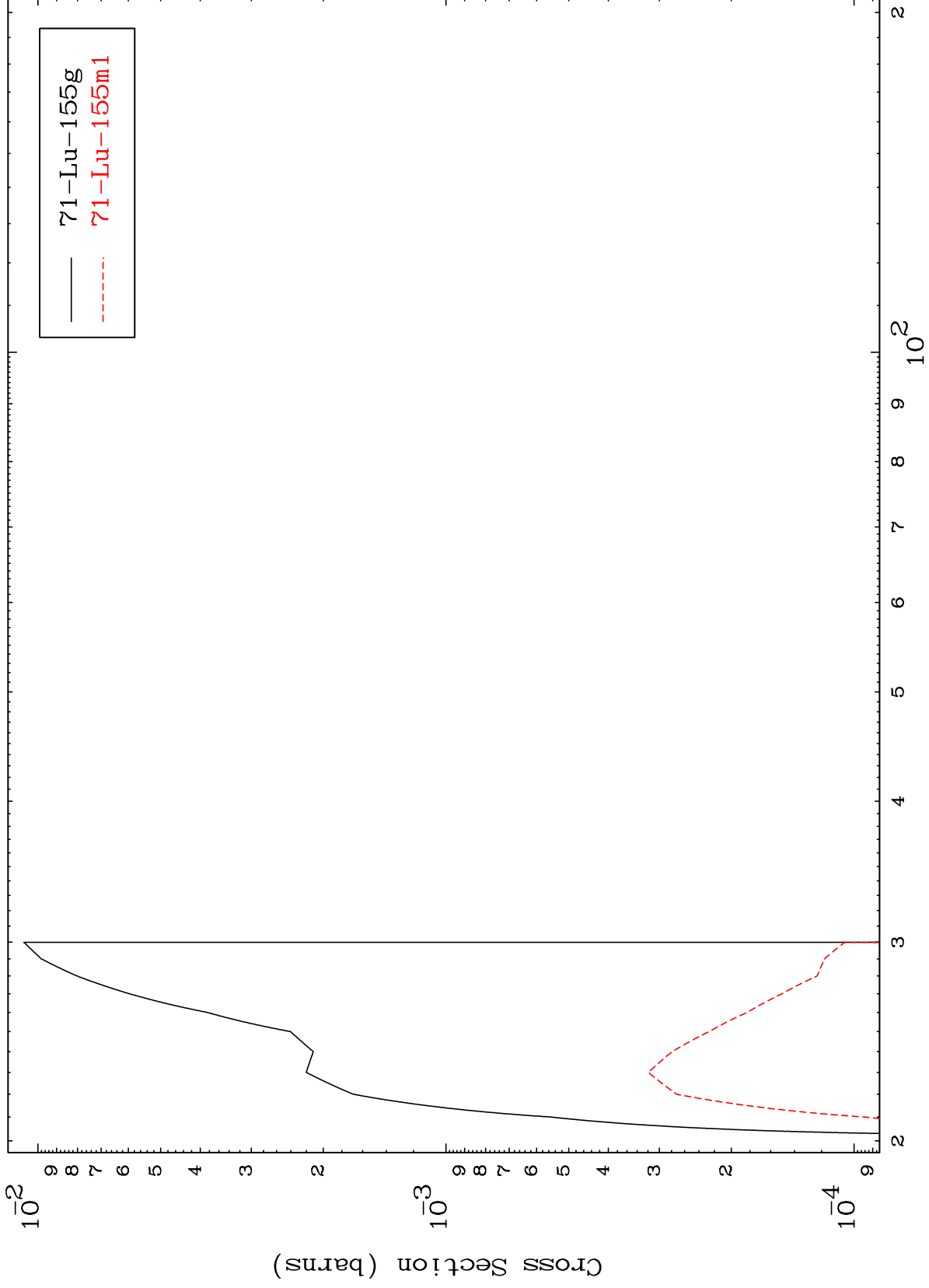
140

MAT 7071

(n,3n)

71-Lu-157

Radionuclide Production Cross Section



141

Incident Energy (MeV)

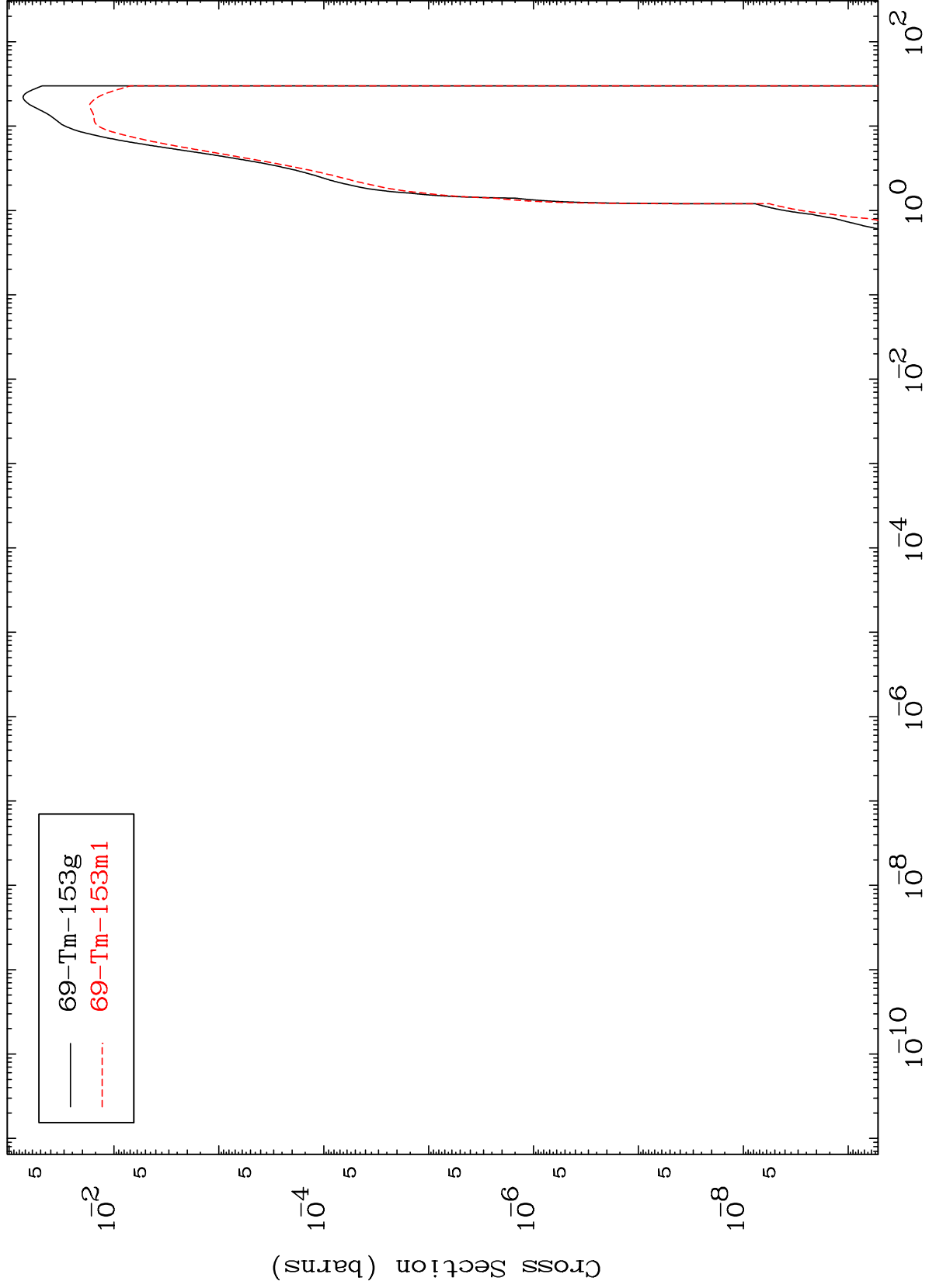
71-Lu-157

MAT 7071

$(n, n') \alpha$

⁷¹Lu-157

Radionuclide Production Cross Section



142

Incident Energy (MeV)

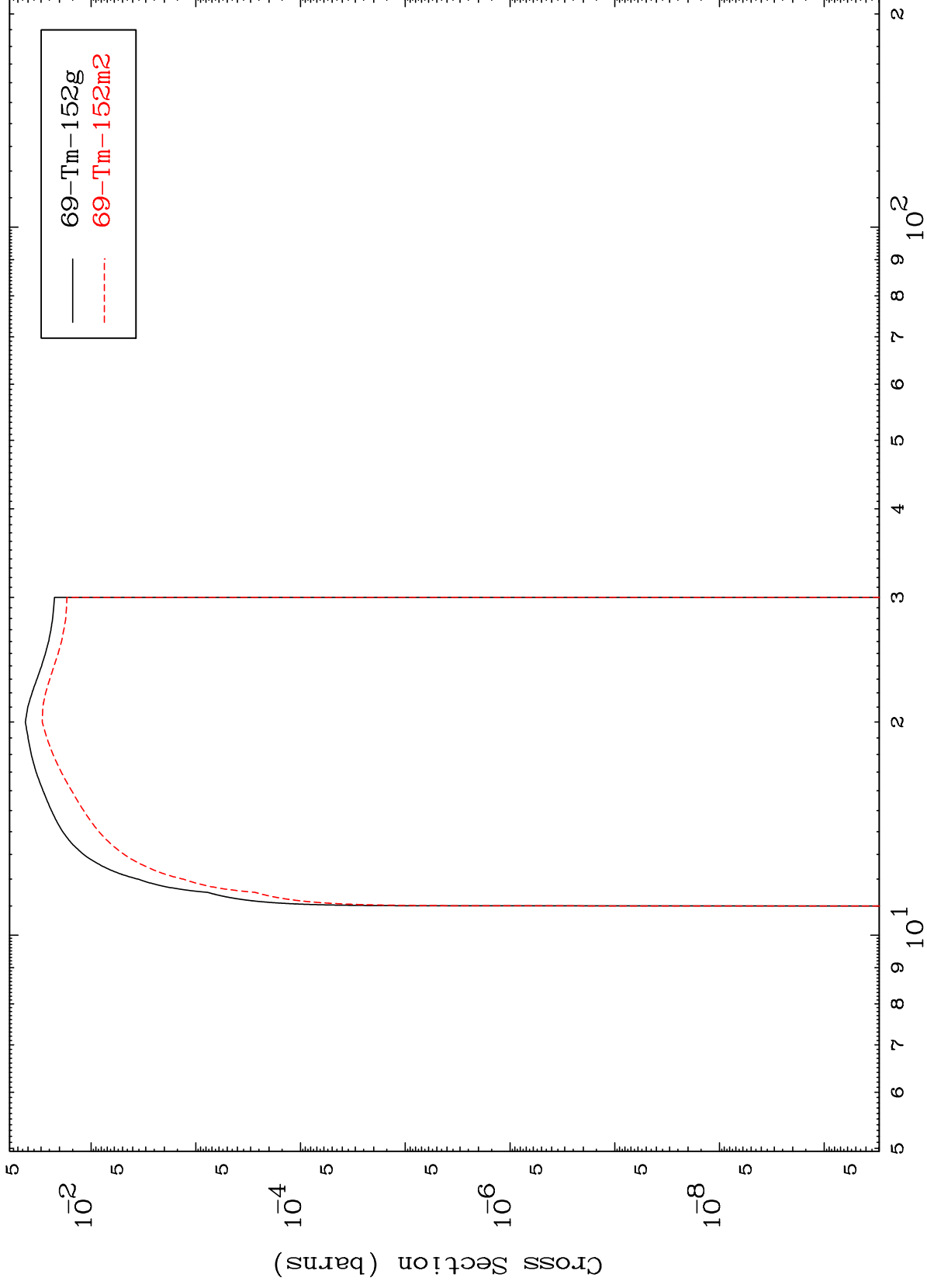
⁷¹Lu-157

MAT 7071

$(n,2n) \alpha$

71-Lu-157

Radionuclide Production Cross Section

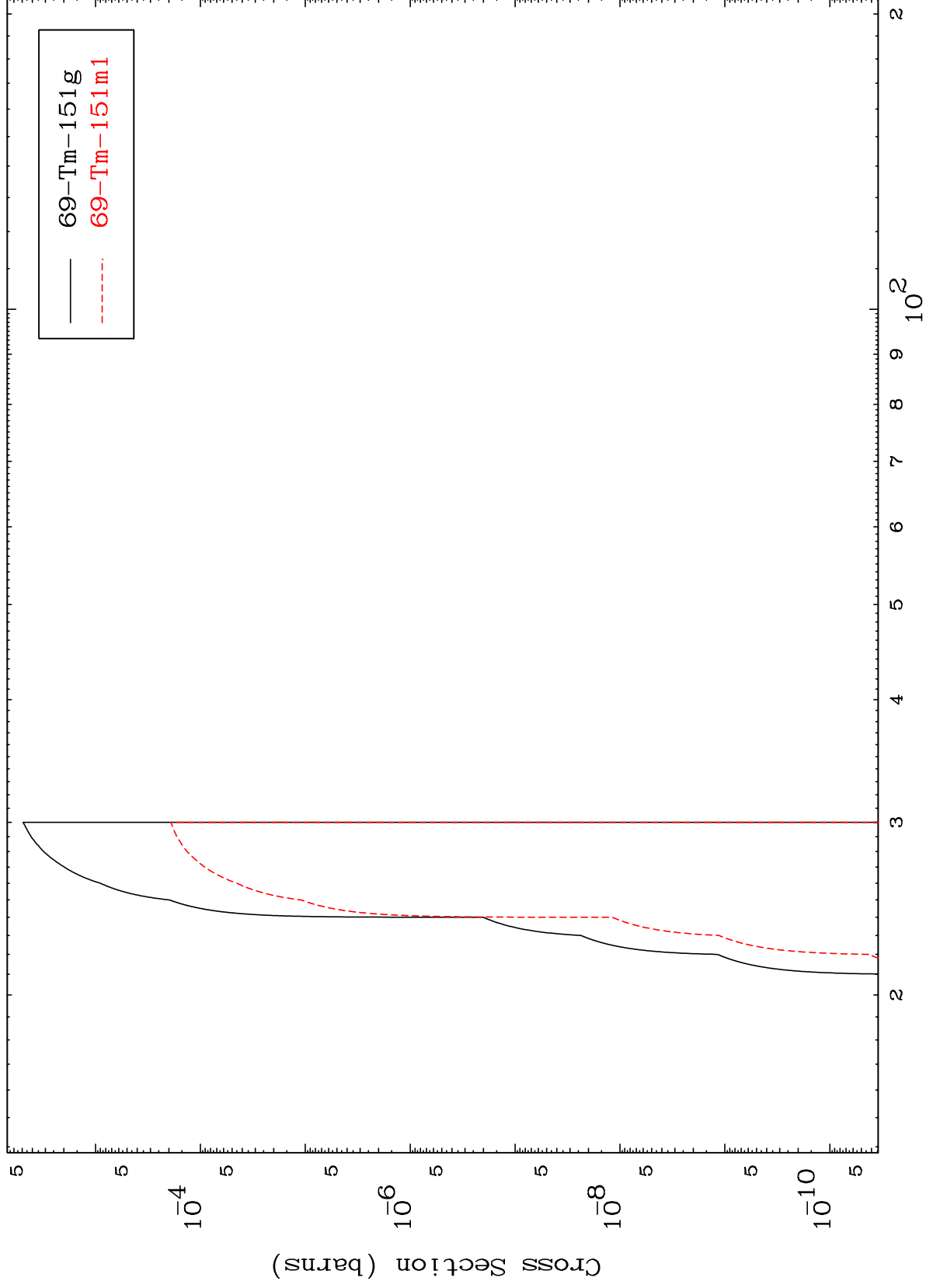


143

Incident Energy (MeV)

71-Lu-157

Radionuclide Production Cross Section

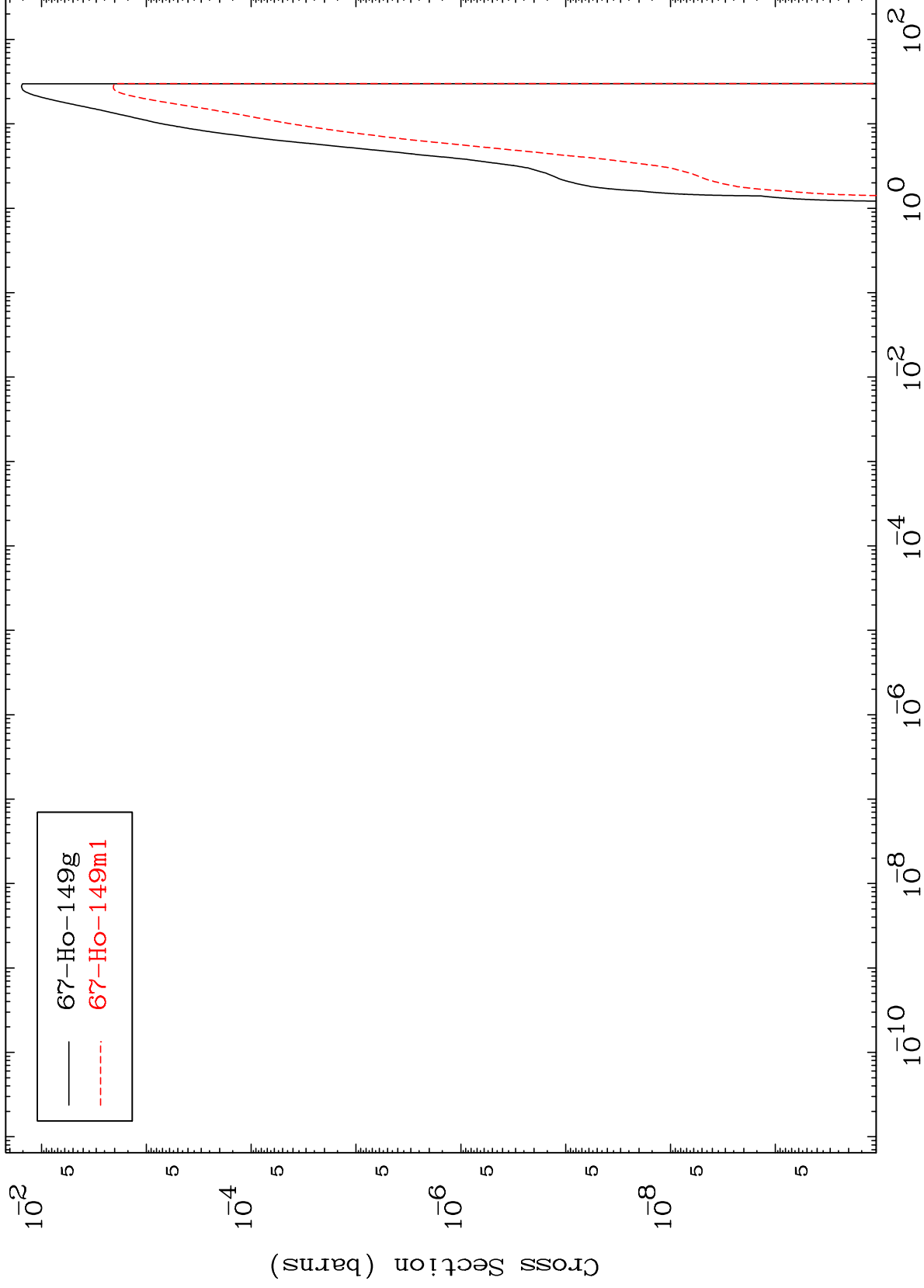


MAT 7071

(n,n') 2 α

71-Lu-157

Radionuclide Production Cross Section



145

Incident Energy (MeV)

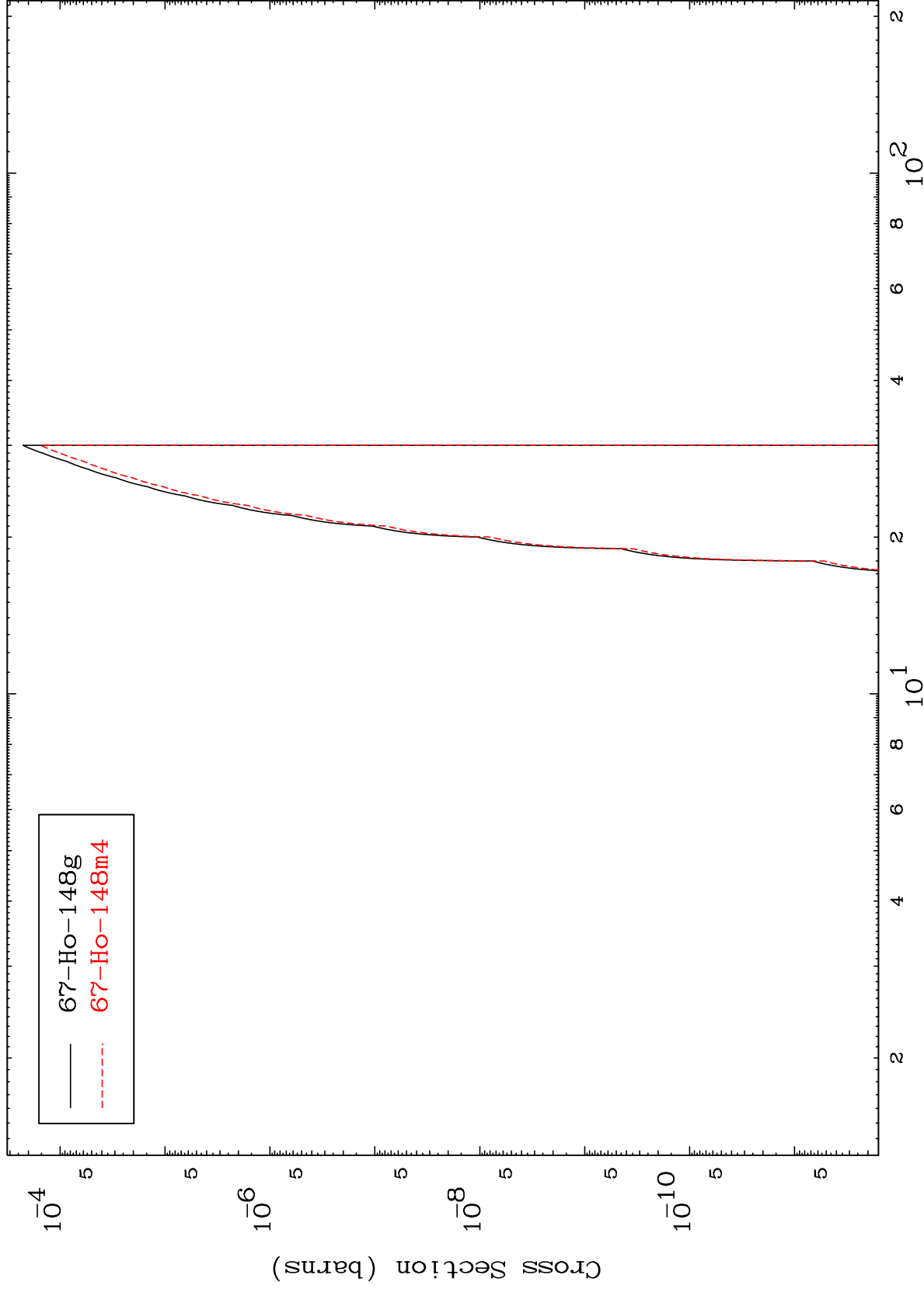
71-Lu-157

MAT 7071

(n,2n) 2α

71-Lu-157

Radionuclide Production Cross Section



146

Incident Energy (MeV)

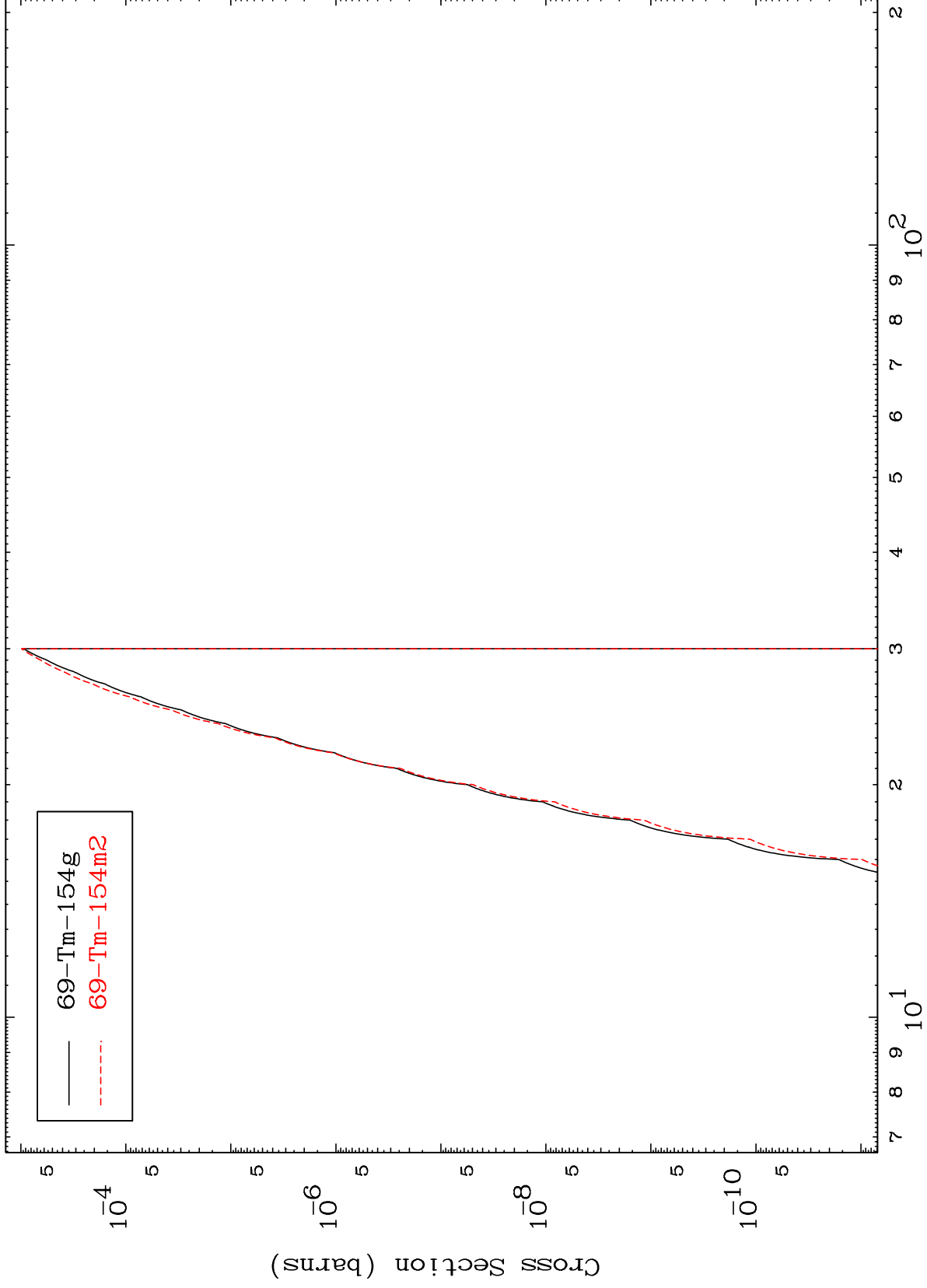
71-Lu-157

MAT 7071

(n,n') He-3

71-Lu-157

Radionuclide Production Cross Section



147

Incident Energy (MeV)

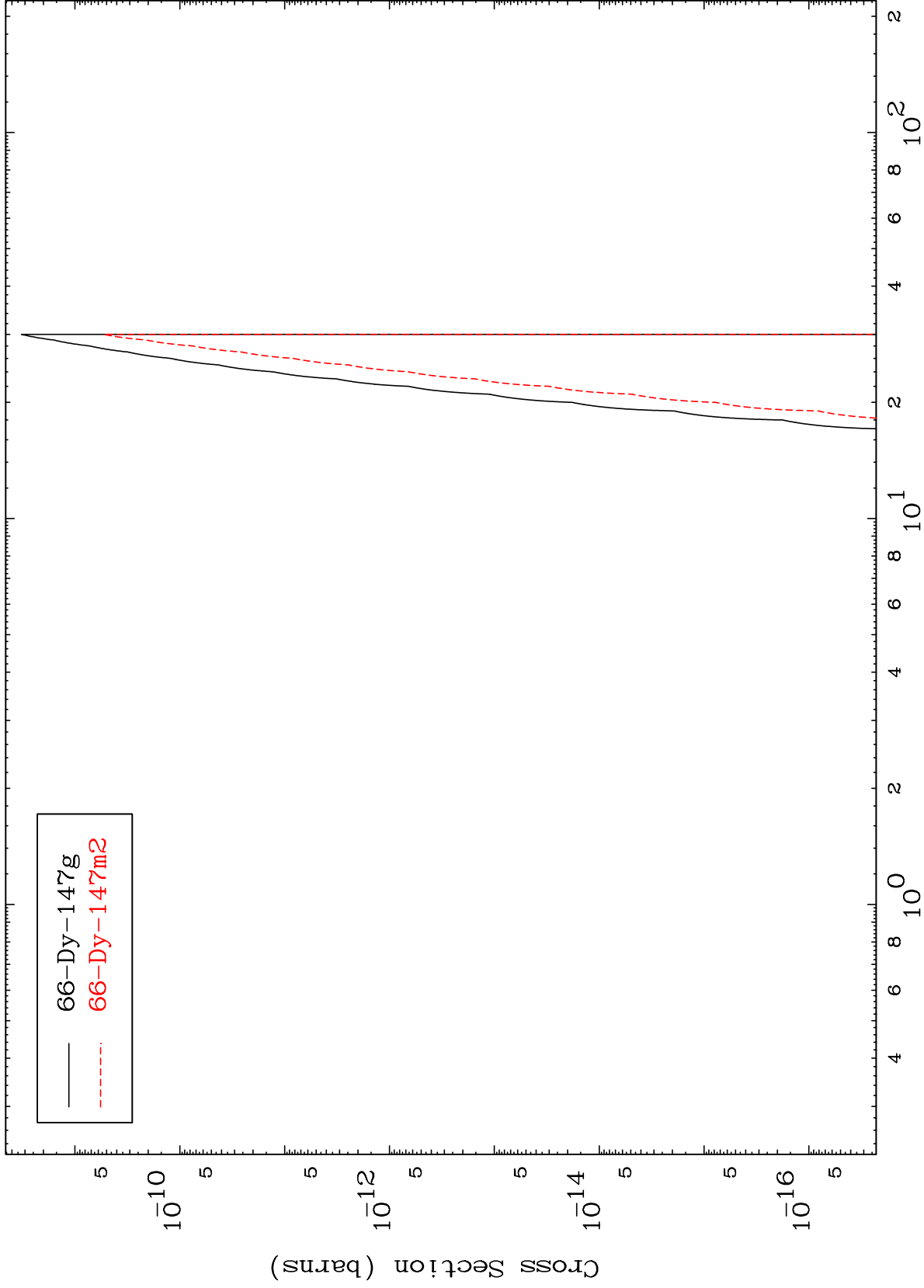
71-Lu-157

MAT 7071

(n,n') d,2α

71-Lu-157

Radionuclide Production Cross Section



148

Incident Energy (MeV)

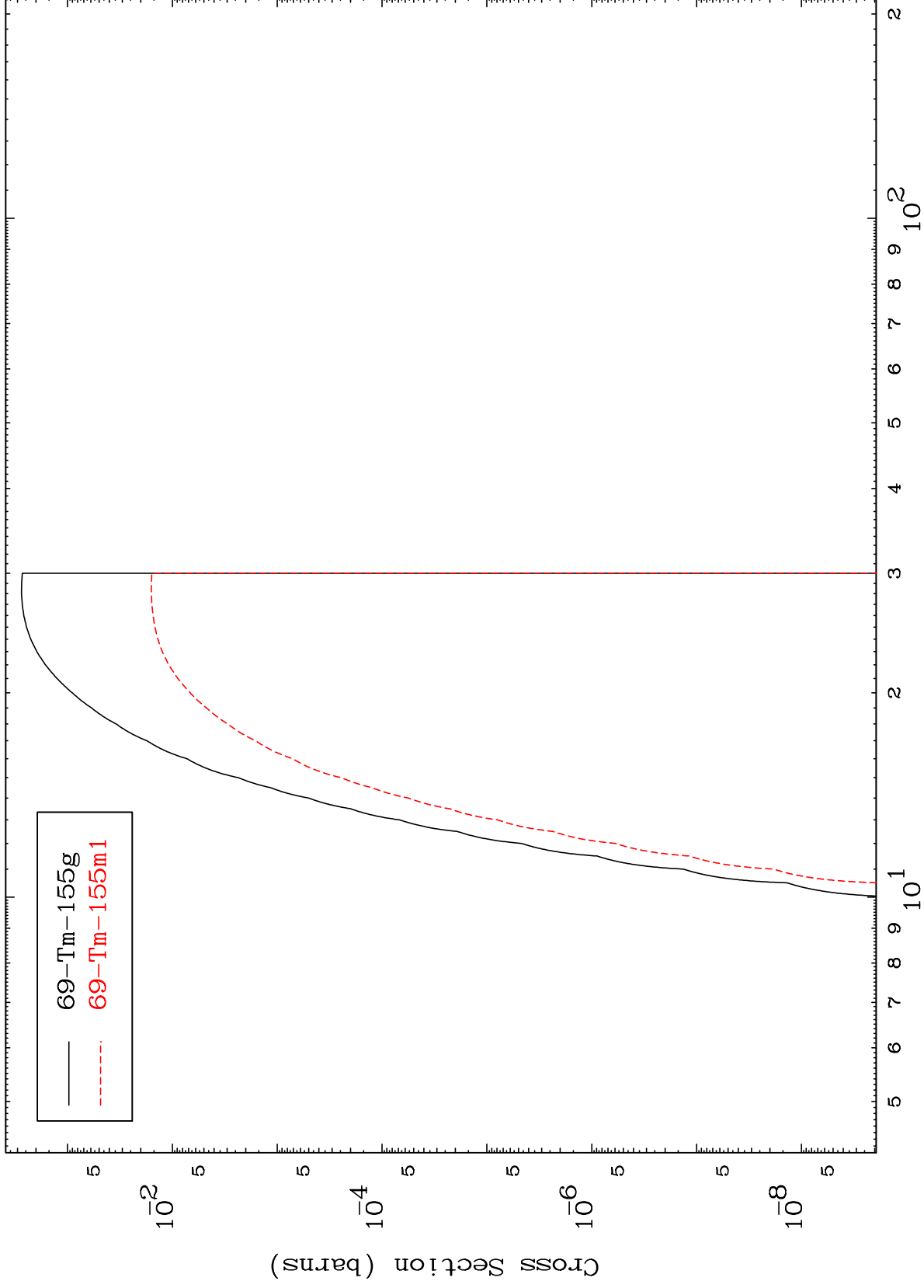
71-Lu-157

MAT 7071

(n,2n) p

71-Lu-157

Radionuclide Production Cross Section



69-Tm-155g
69-Tm-155m1

149

Incident Energy (MeV)

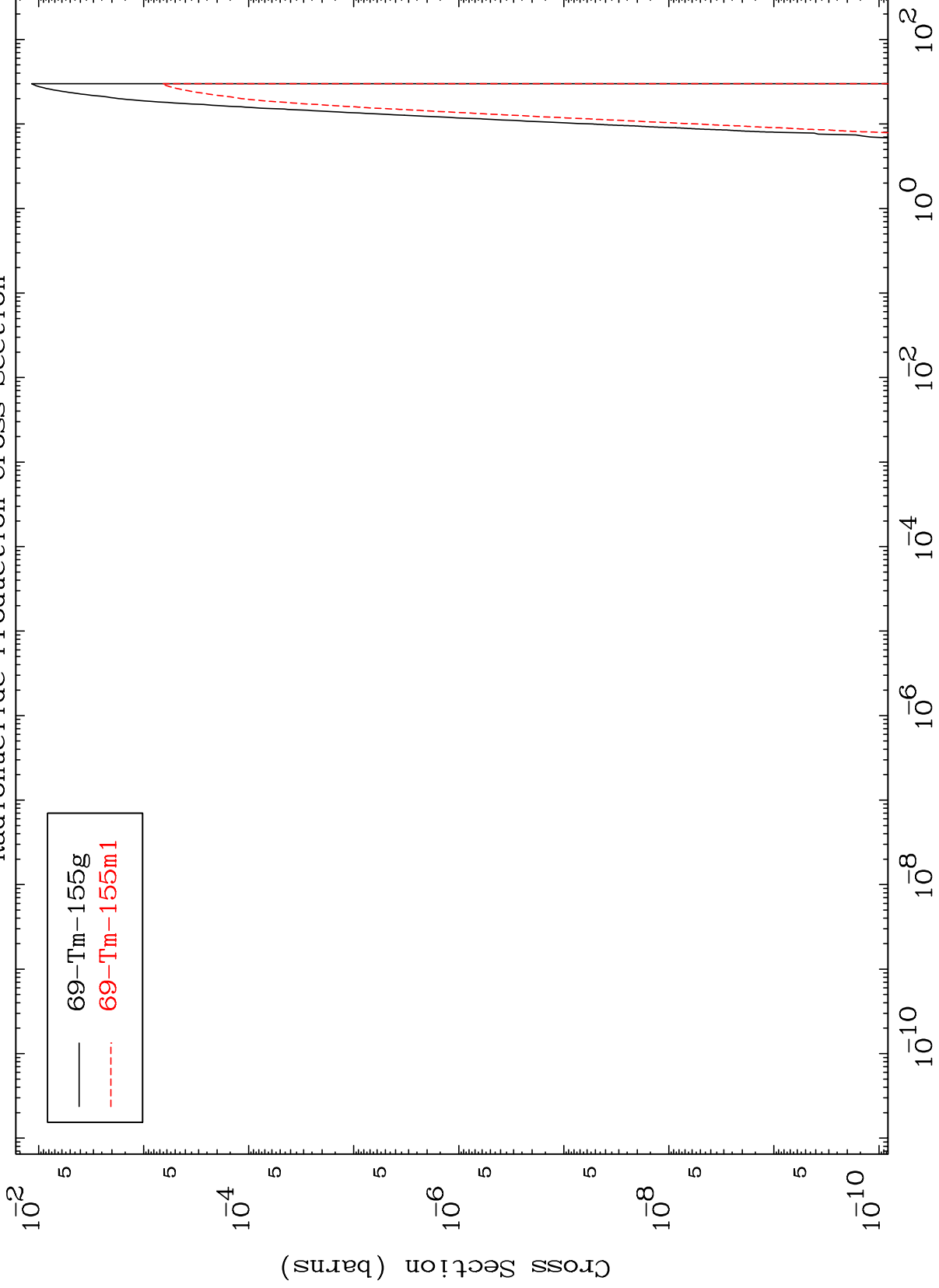
71-Lu-157

MAT 7071

(n,He-3)

71-Lu-157

Radionuclide Production Cross Section



69-Tm-155g
69-Tm-155m1

150

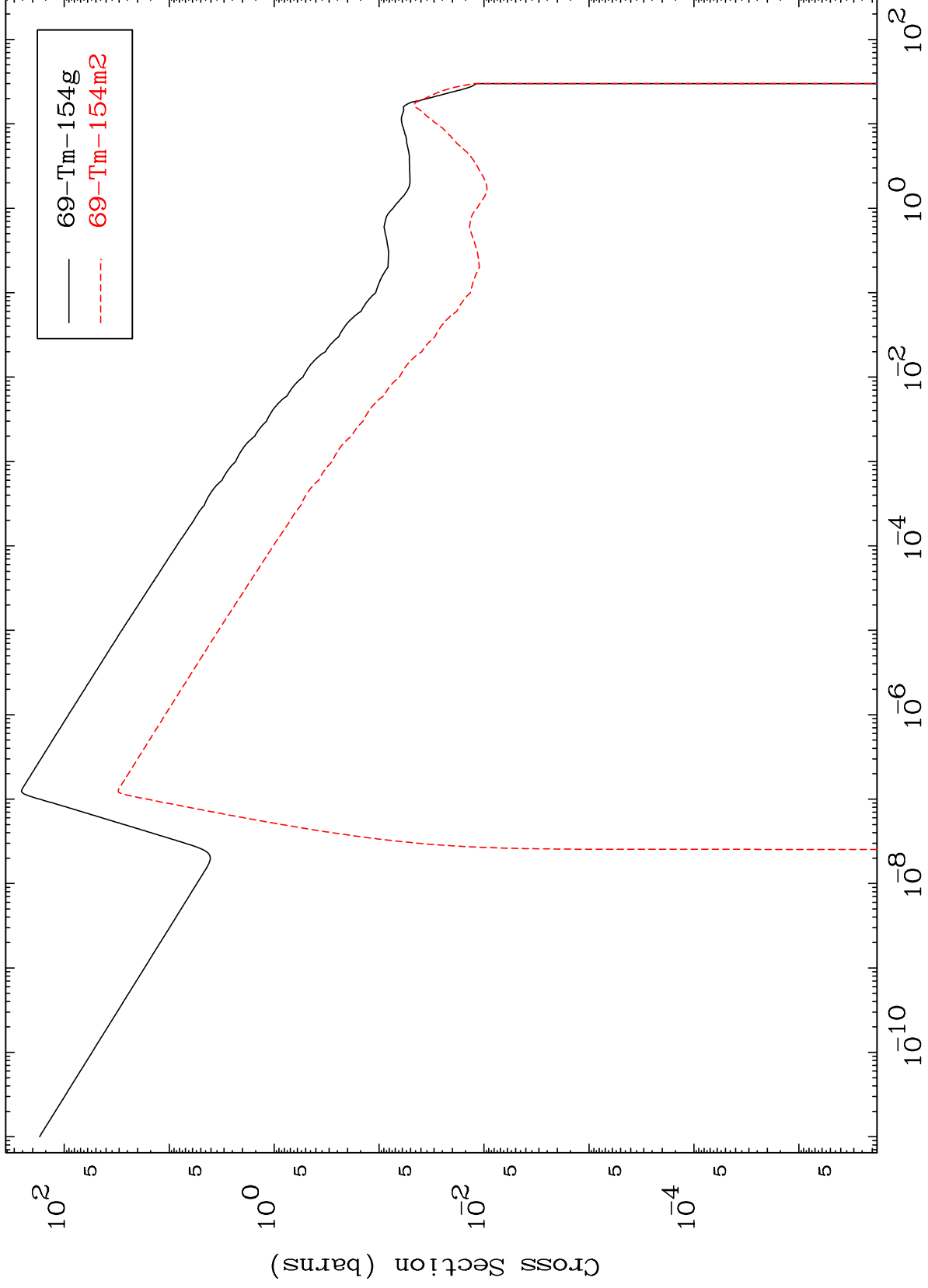
Incident Energy (MeV)

71-Lu-157

MAT 7071

71-Lu-157

(n, α)
Radionuclide Production Cross Section



151

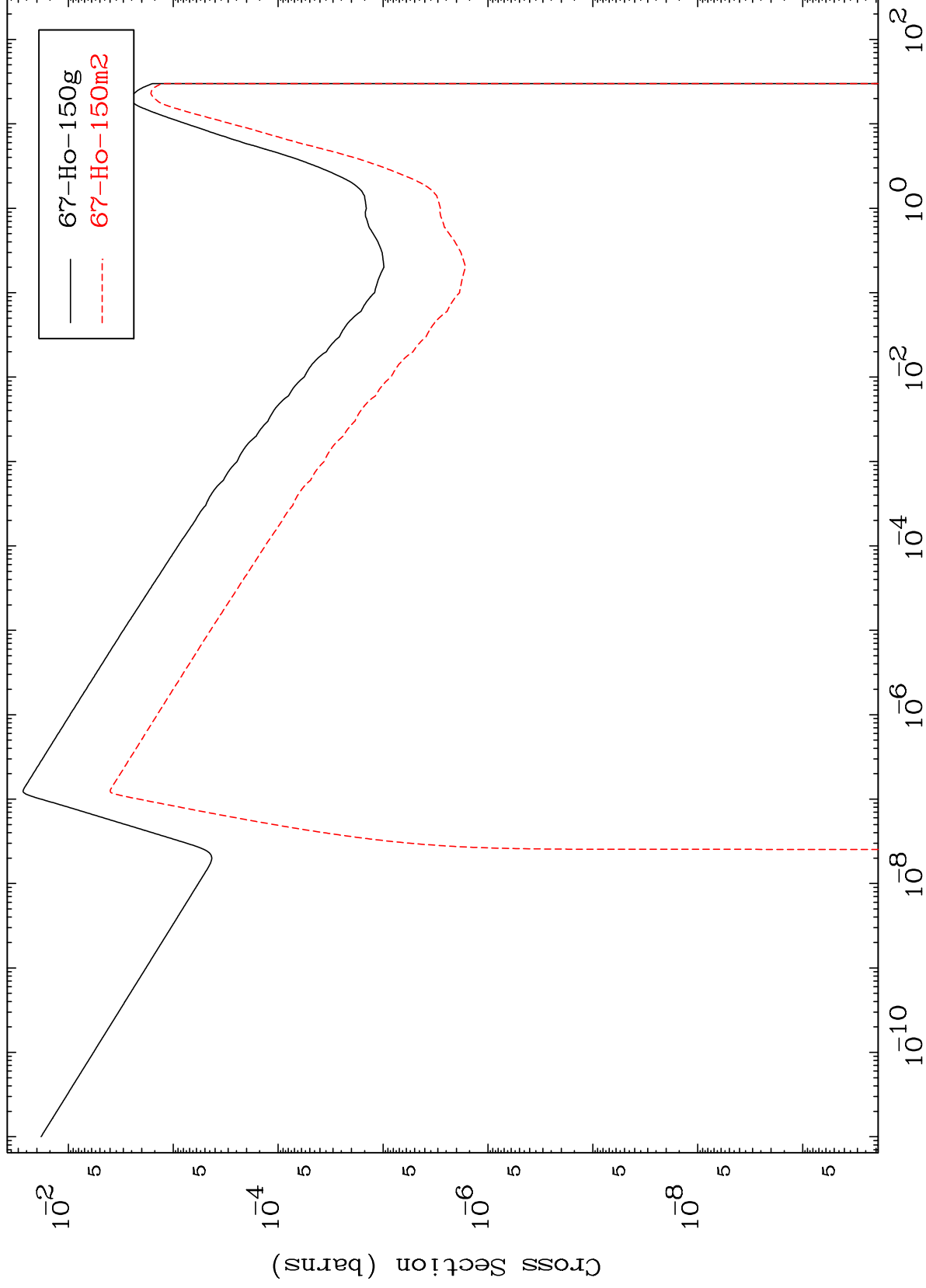
71-Lu-157

MAT 7071

(n,2α)

71-Lu-157

Radionuclide Production Cross Section

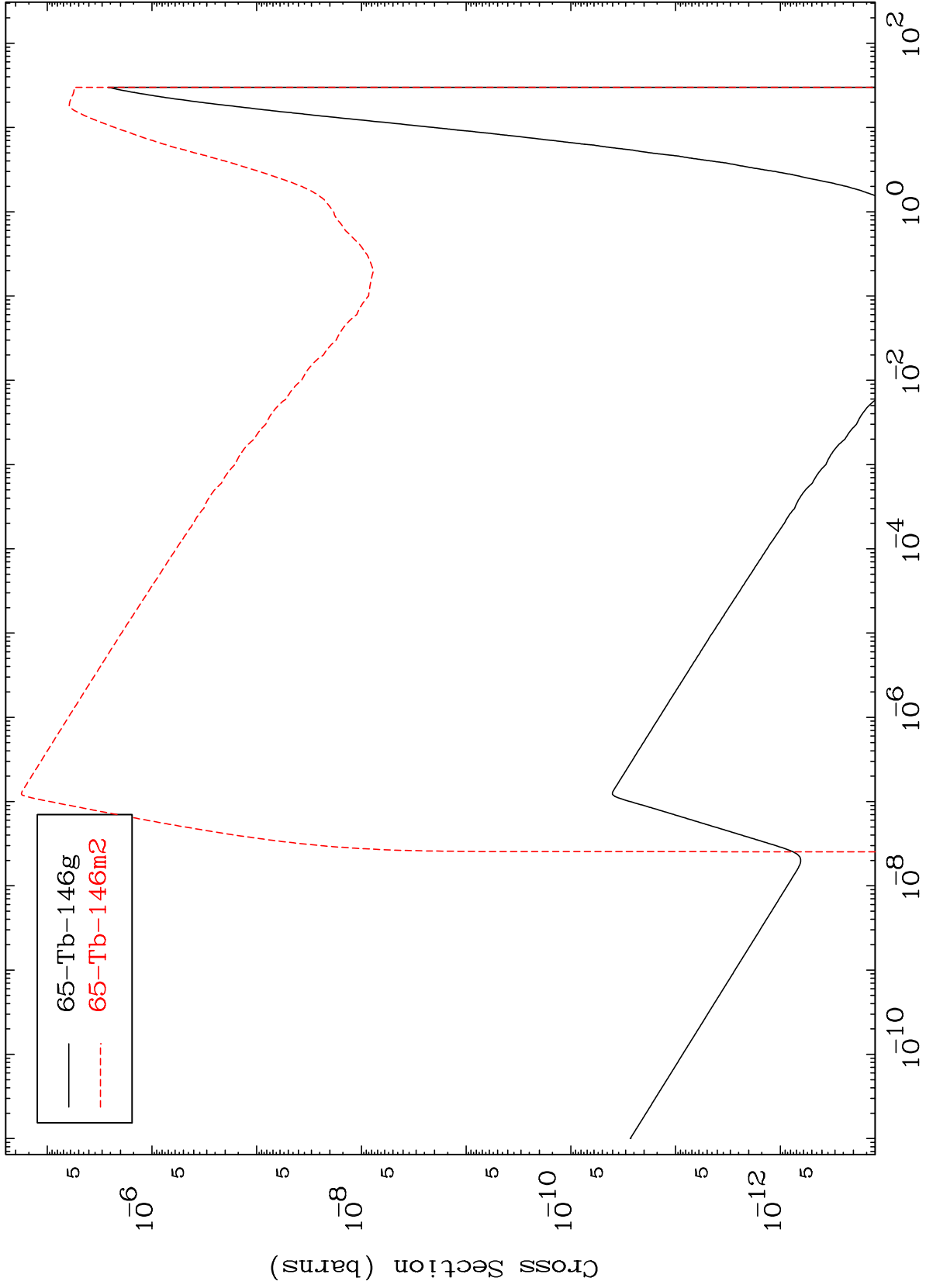


152

Incident Energy (MeV)

71-Lu-157

Radionuclide Production Cross Section

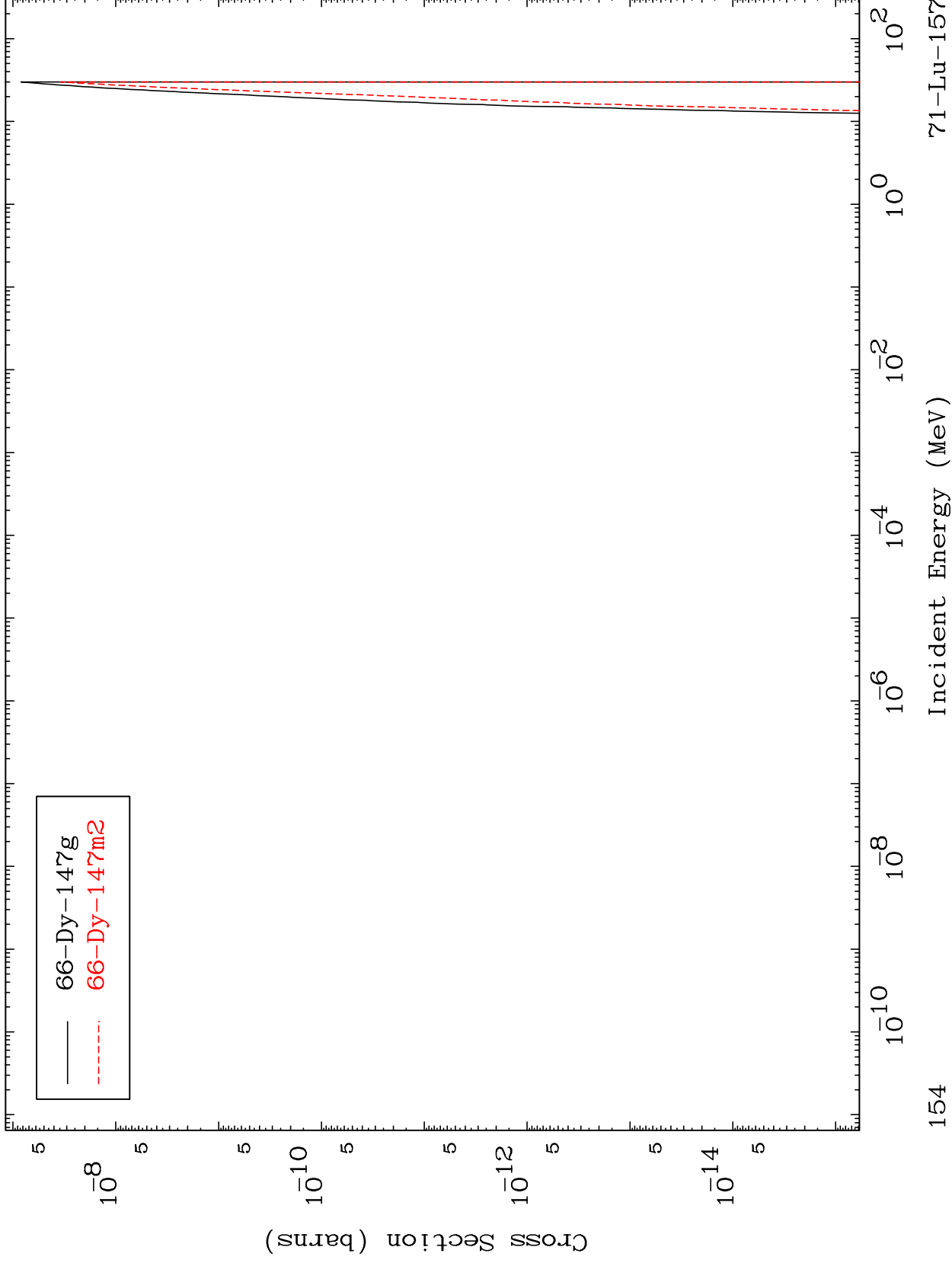


MAT 7071

(n,t) 2 α

71-Lu-157

Radionuclide Production Cross Section



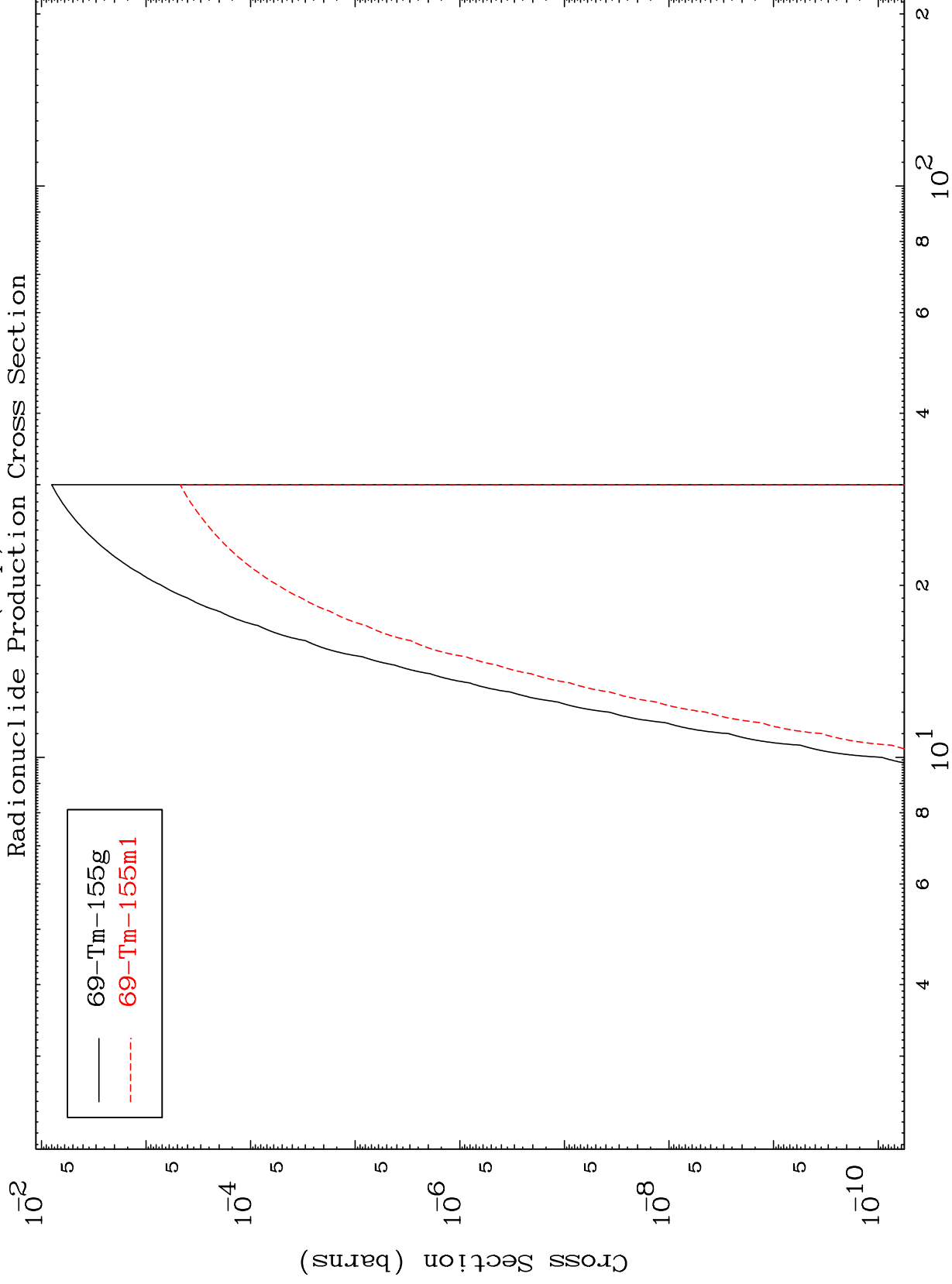
154

MAT 7071

(n,p) d

71-Lu-157

Radionuclide Production Cross Section



155

Incident Energy (MeV)

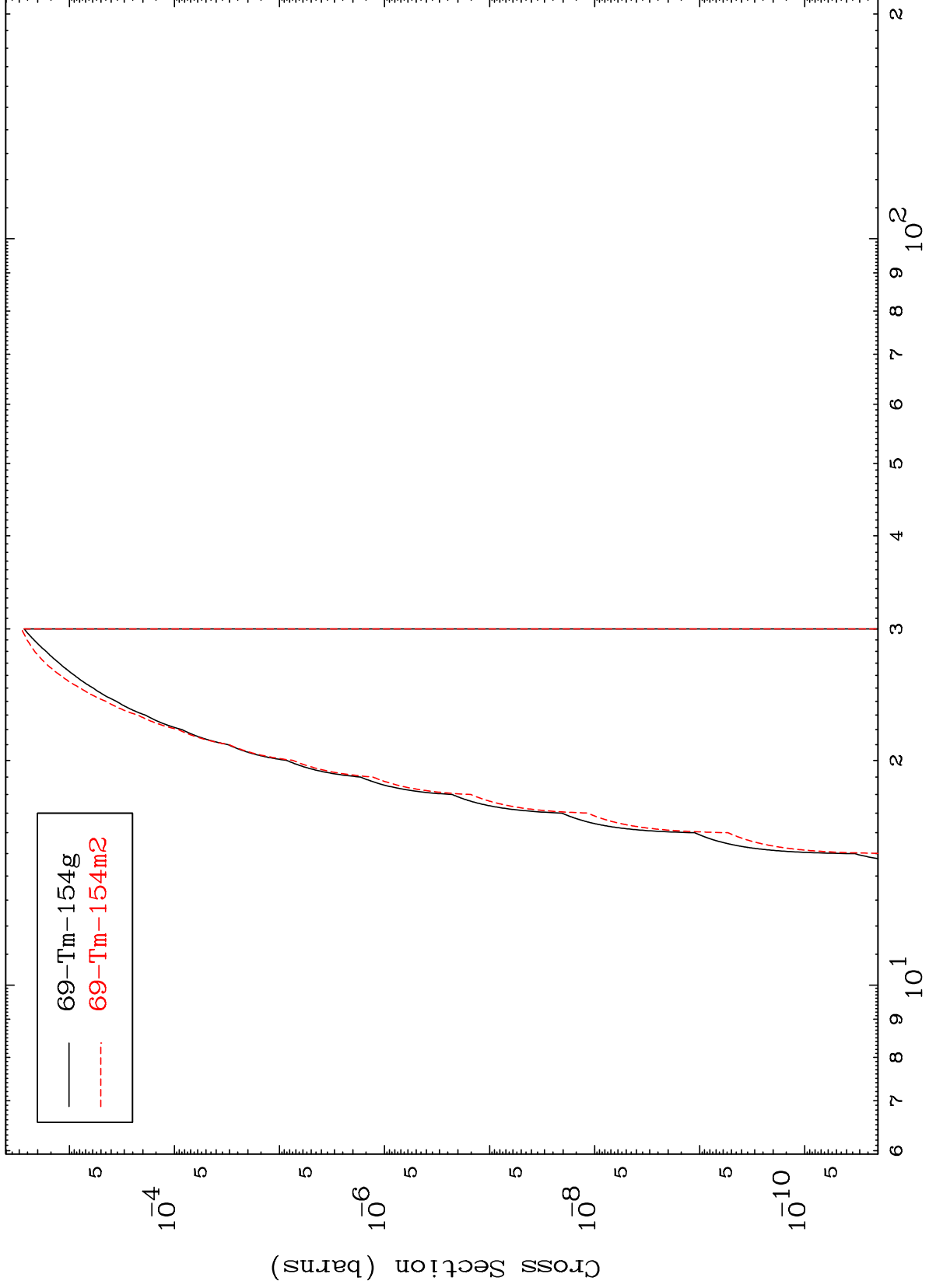
71-Lu-157

MAT 7071

(n,p) t

71-Lu-157

Radionuclide Production Cross Section



156

Incident Energy (MeV)

71-Lu-157