

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

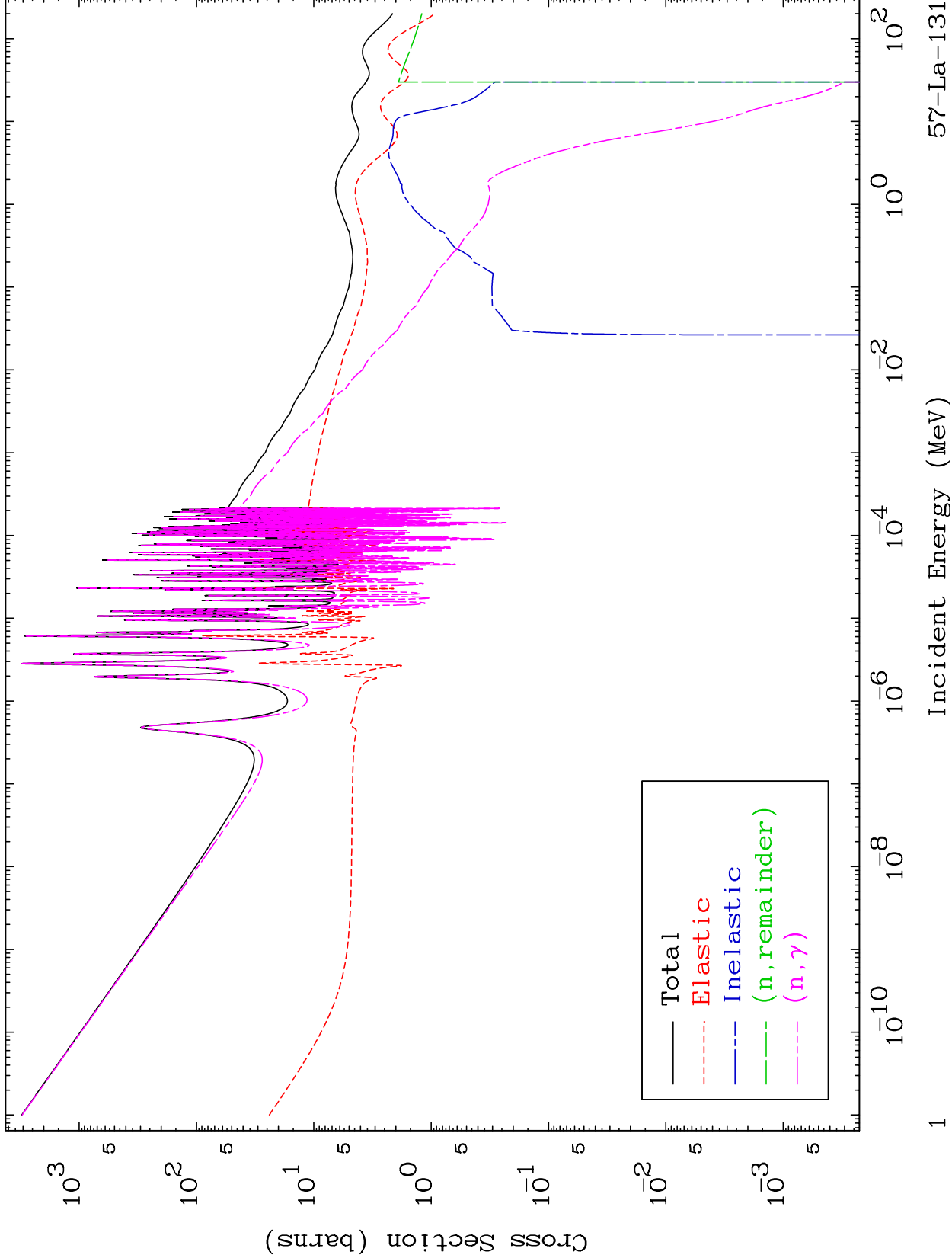
Press Mouse Button to Start

MAT 5704

Major

293 Kelvin Cross Sections

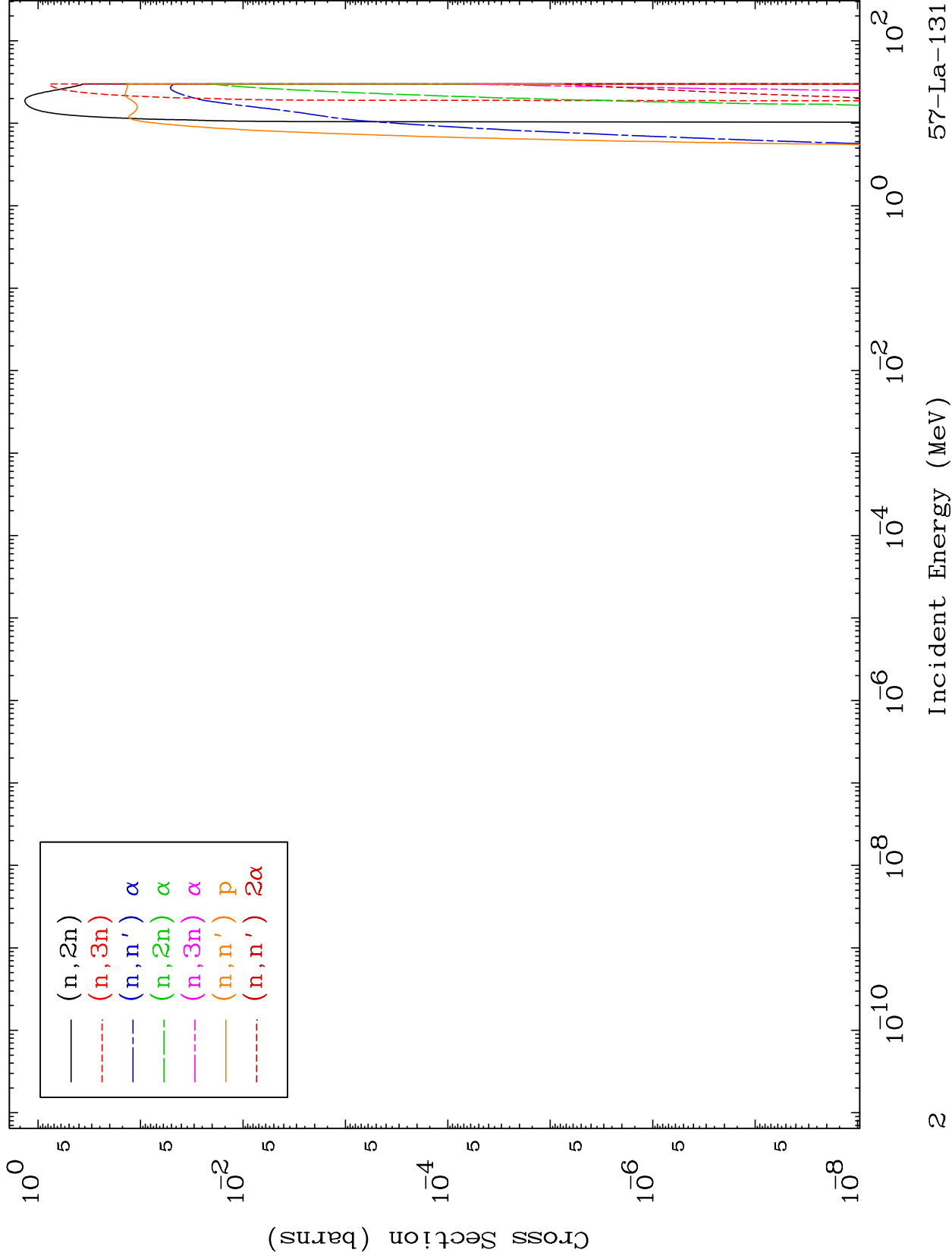
57-La-131

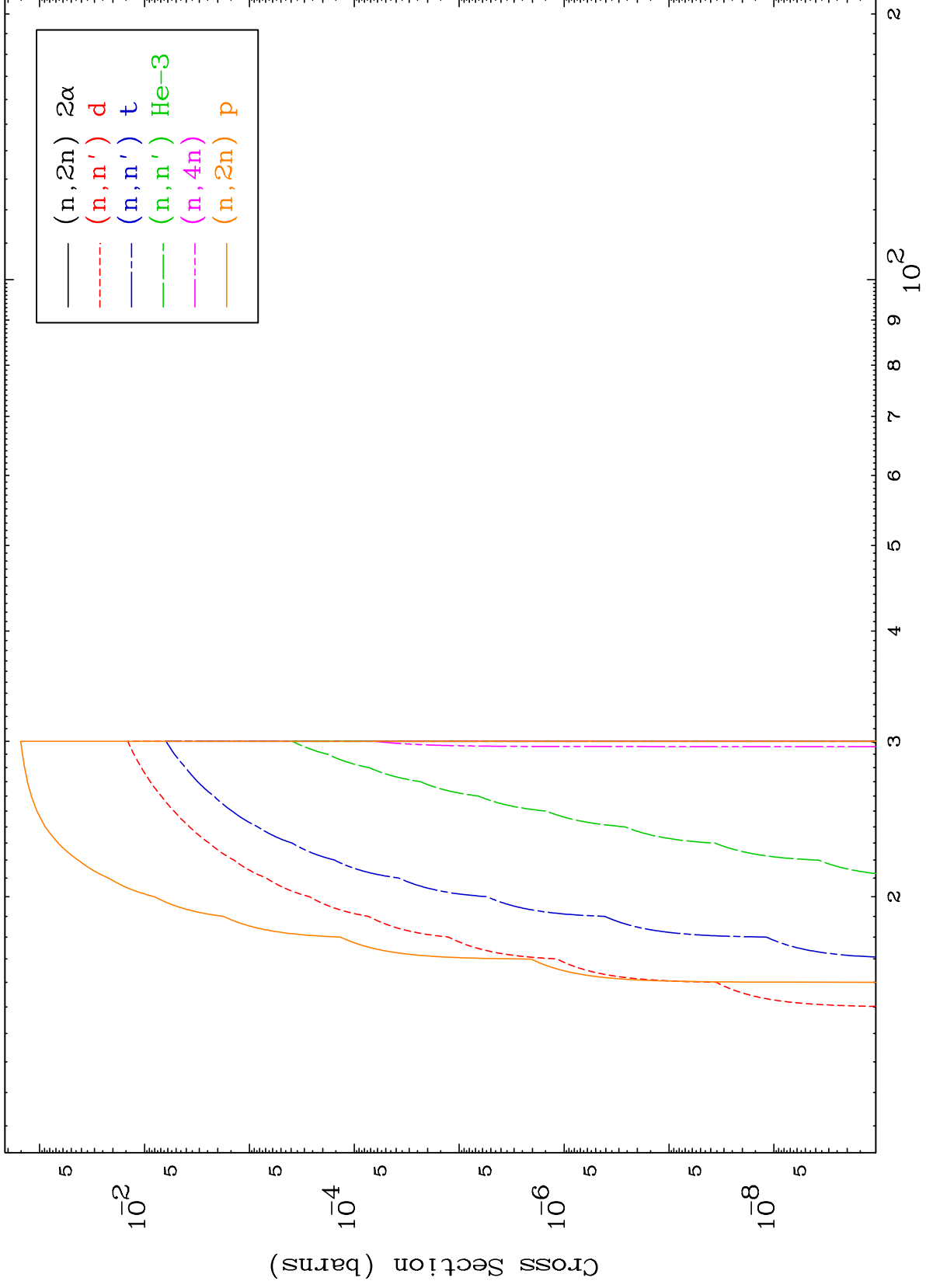


MAT 5704

Neutron Production  
293 Kelvin Cross Sections

57-La-131

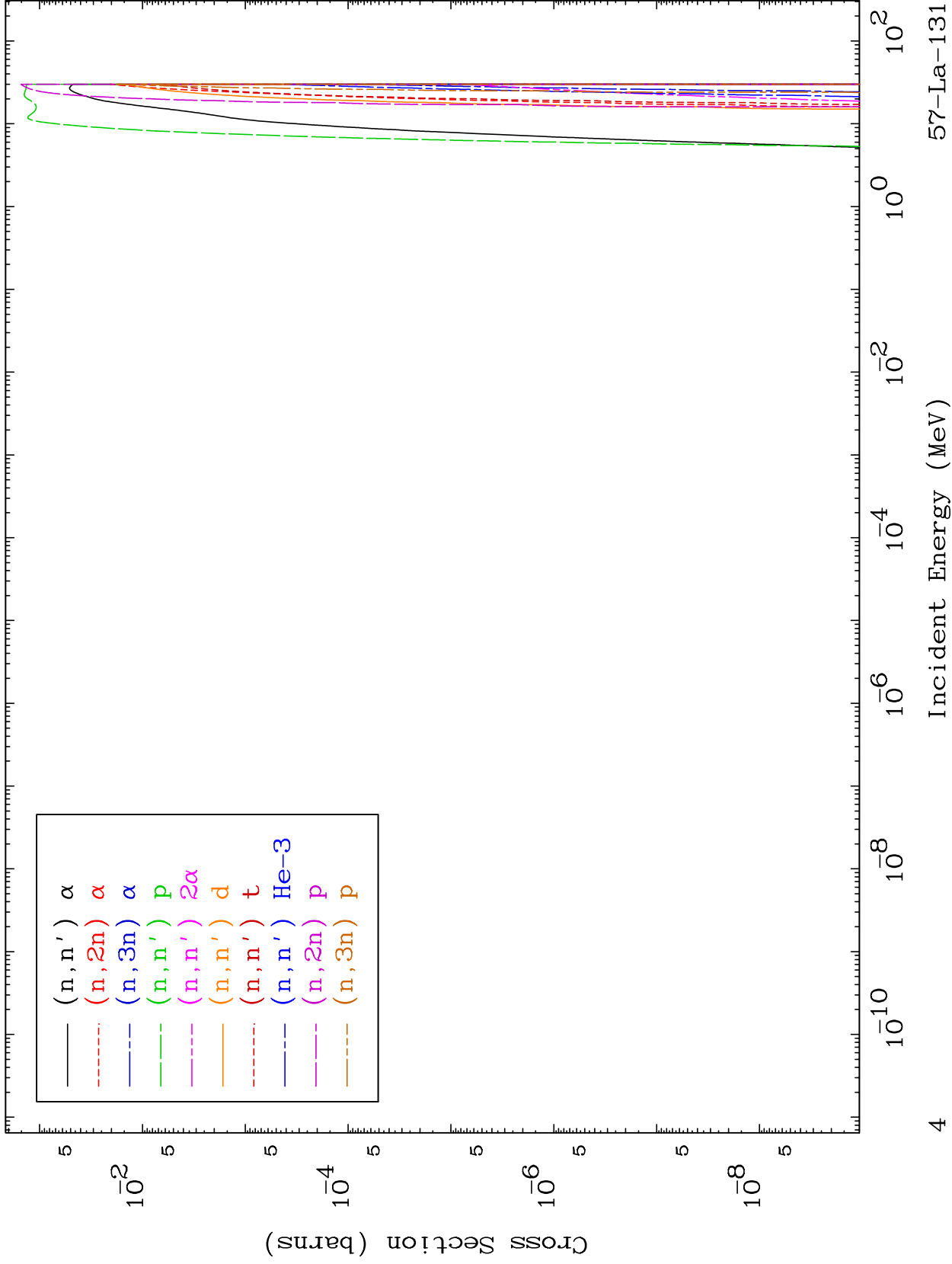




MAT 5704

Charged Particle  
293 Kelvin Cross Sections

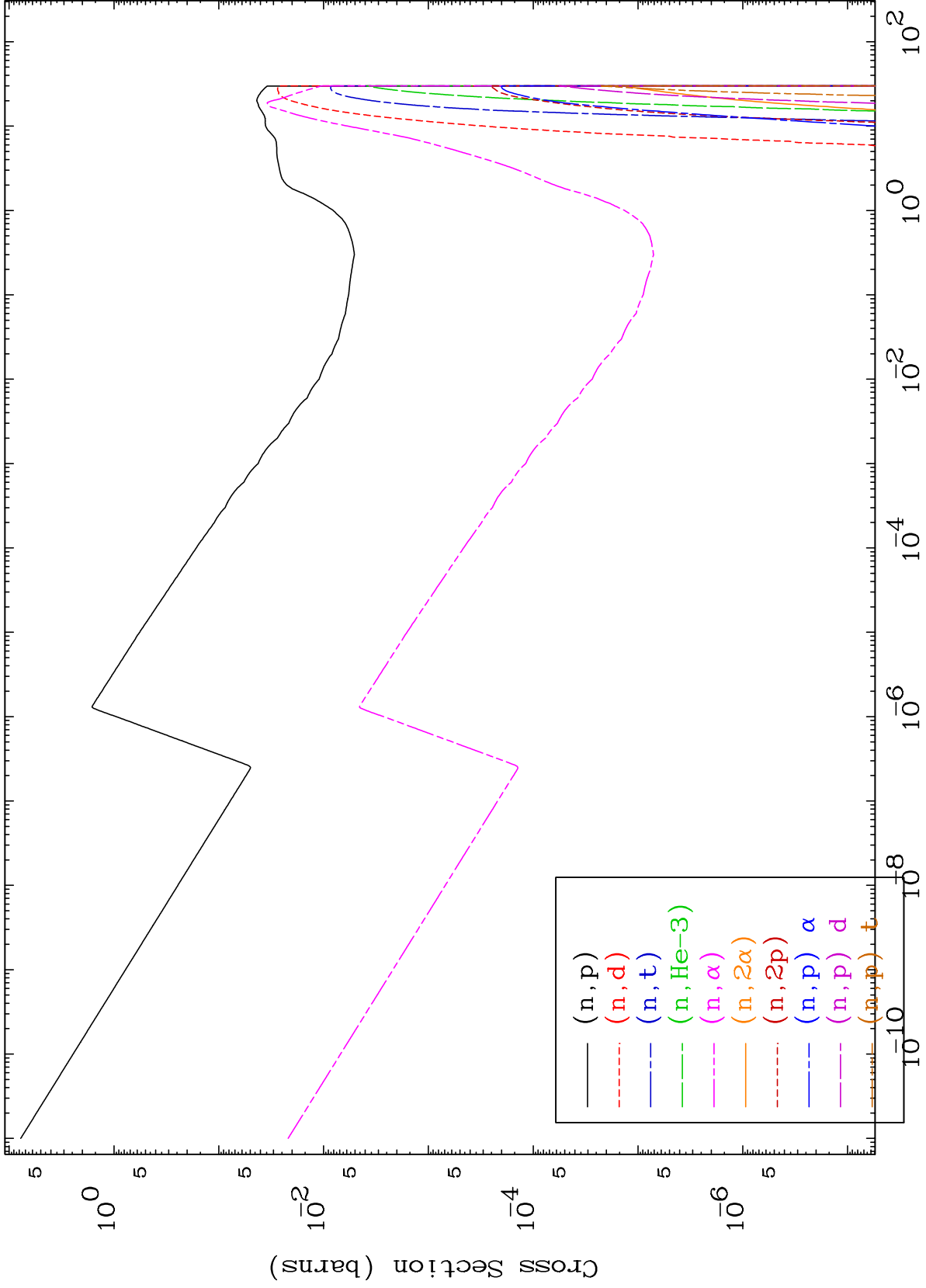
57-La-131

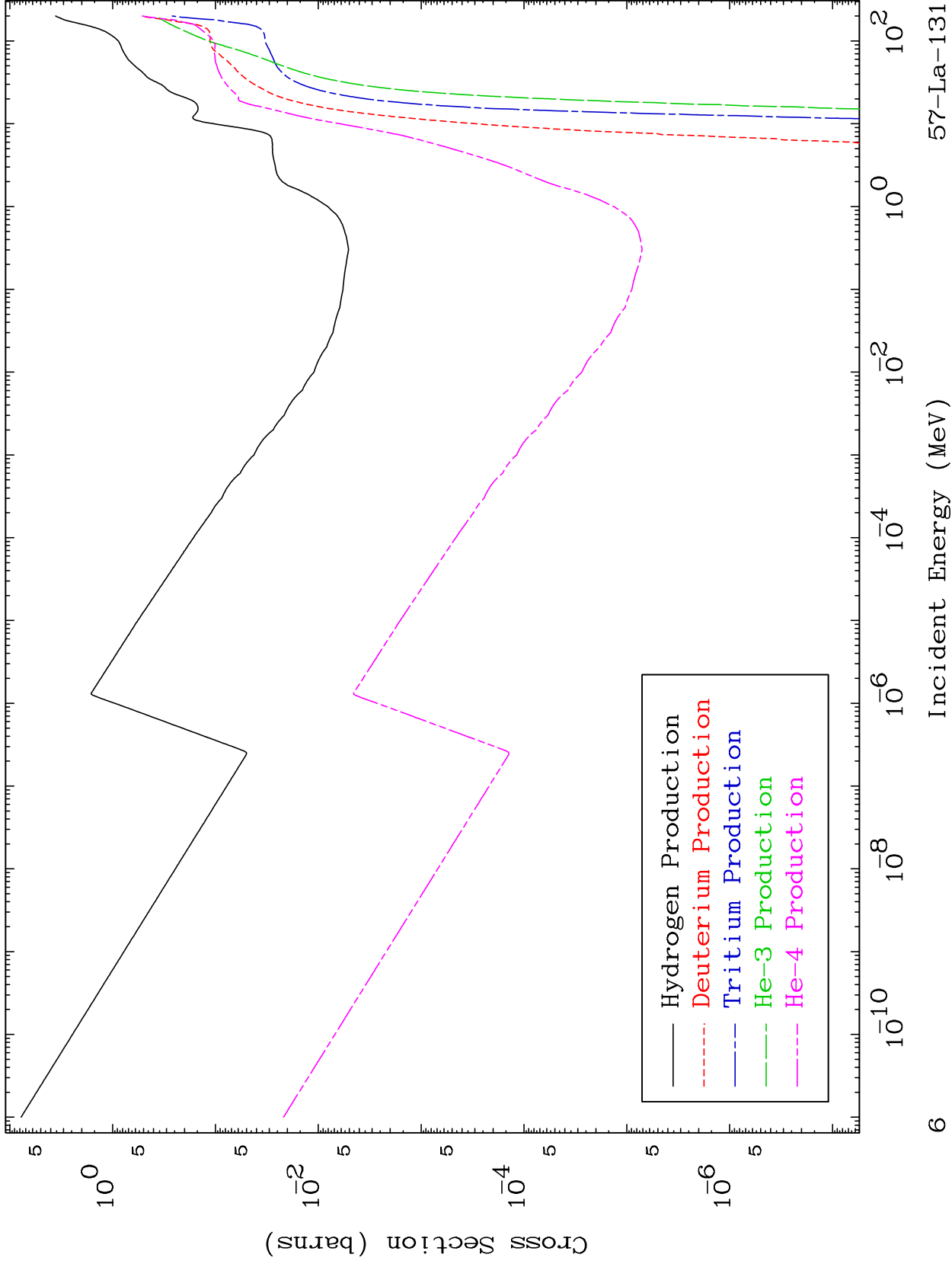


MAT 5704

Charged Particle  
293 Kelvin Cross Sections

57-La-131



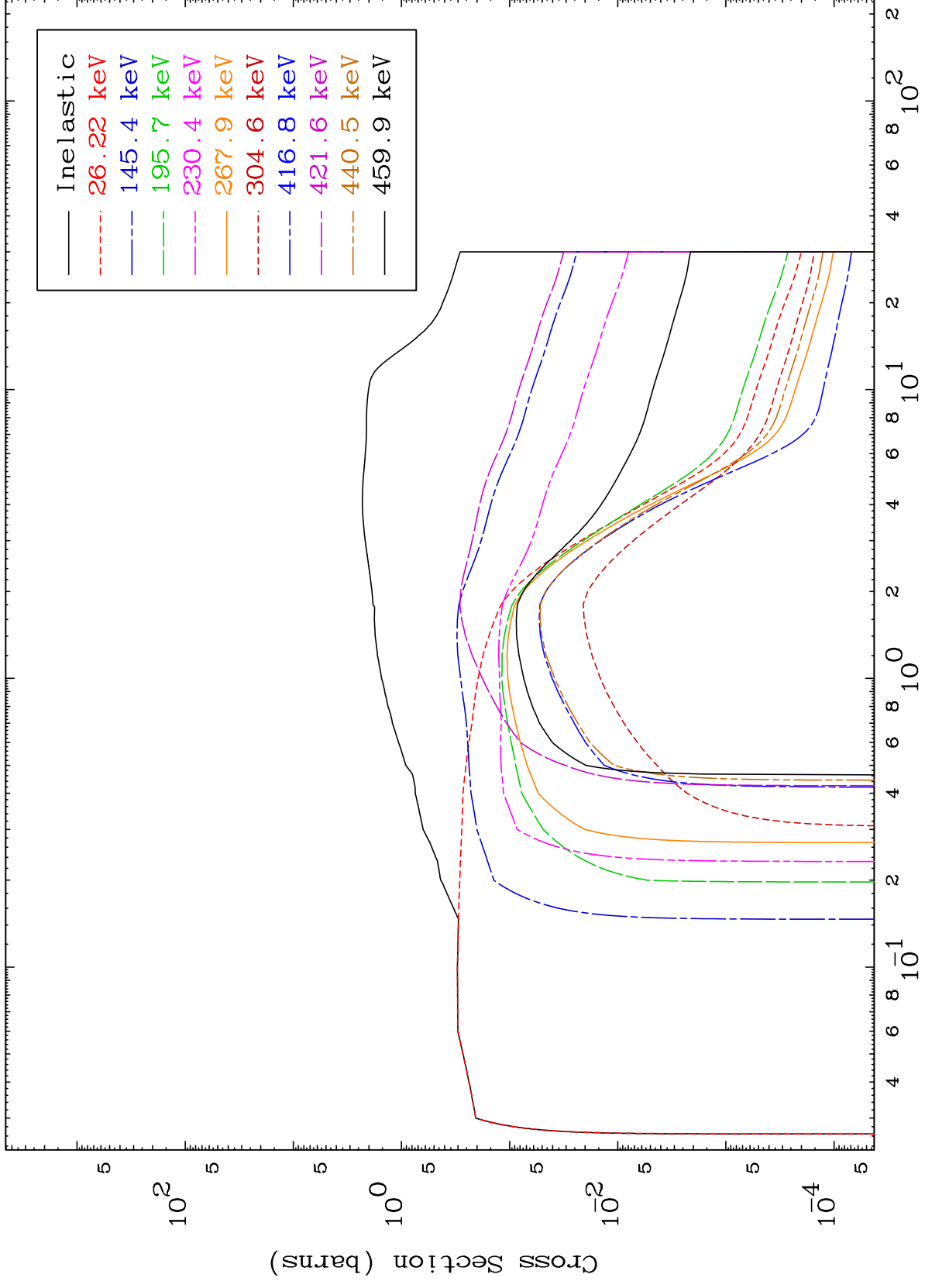


MAT 5704

(n,n') Level

57-La-131

293 Kelvin Cross Sections

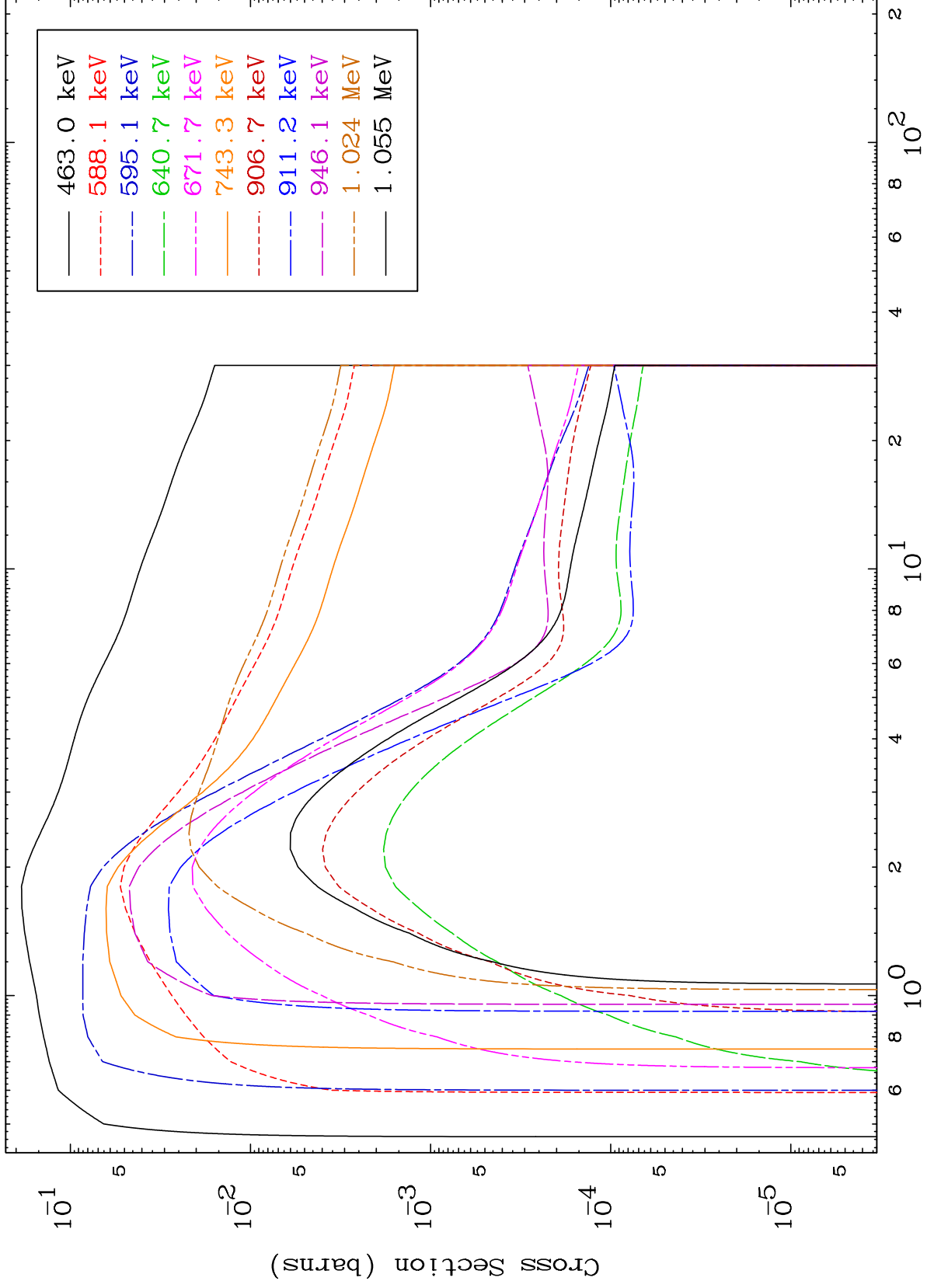




MAT 5704

(n,n') Level  
293 Kelvin Cross Sections

57-La-131



8

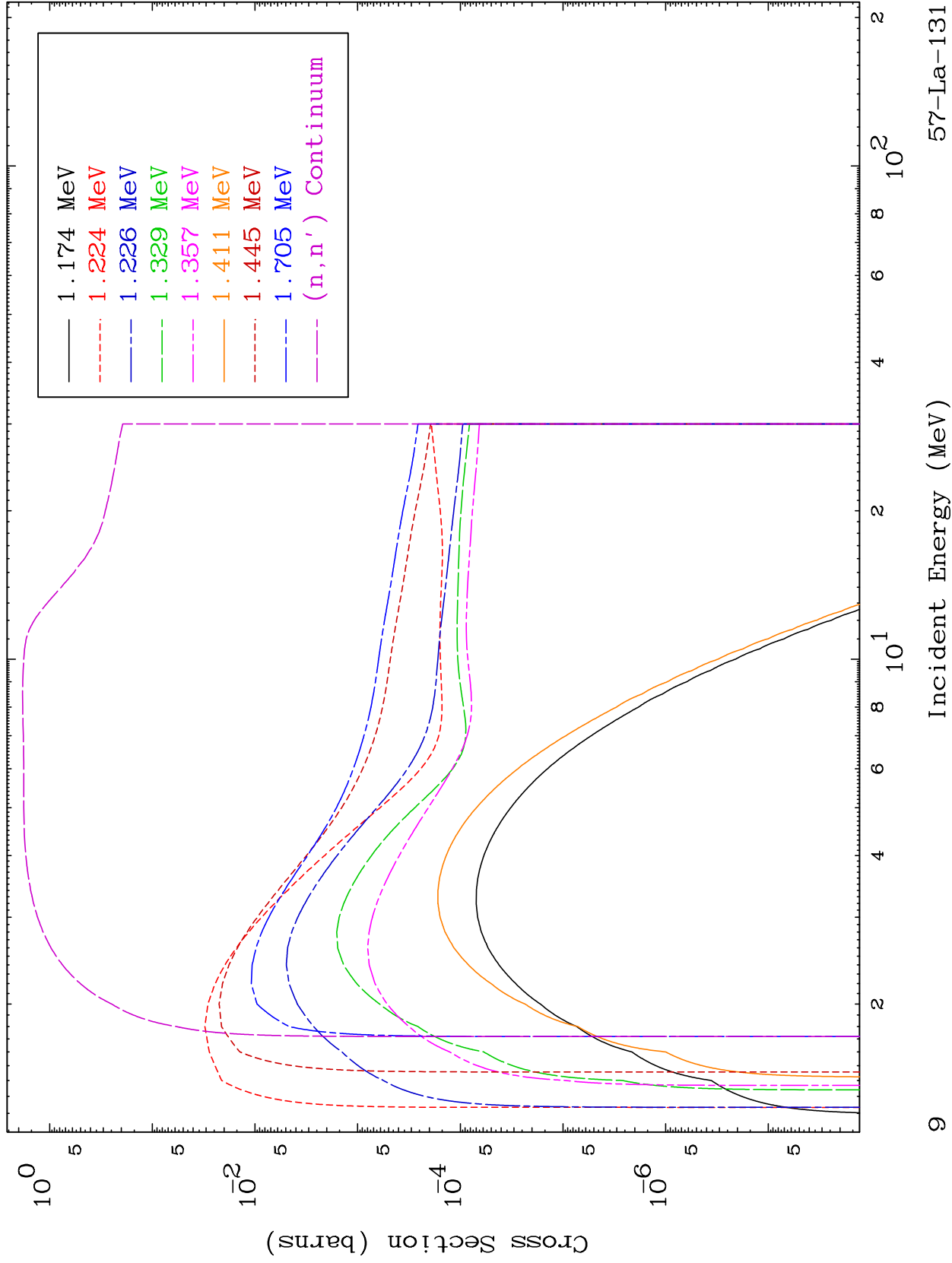
Incident Energy (MeV)

57-La-131

MAT 5704

57-La-131

(n,n') Level  
293 Kelvin Cross Sections



9

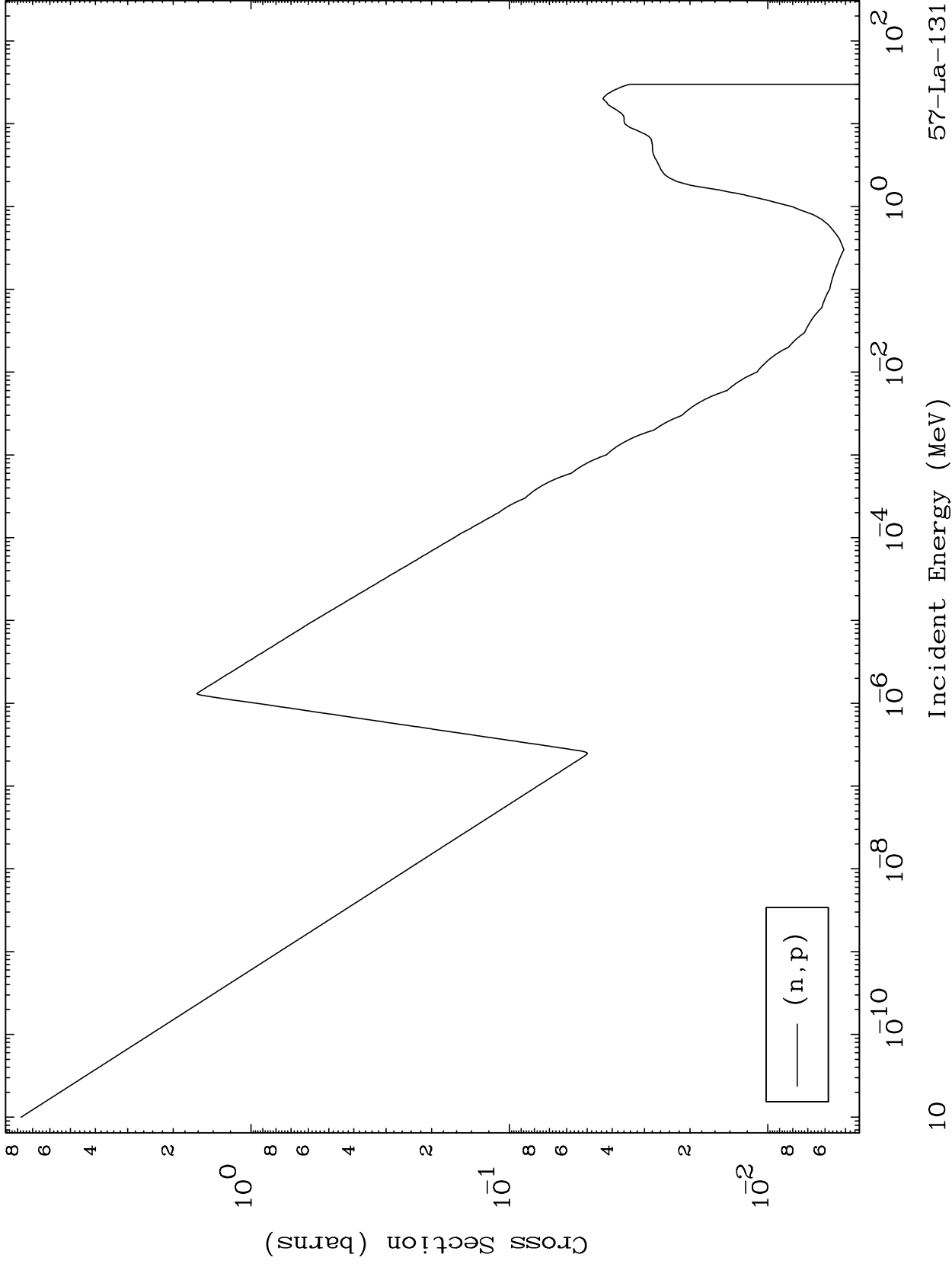
Incident Energy (MeV)

57-La-131

MAT 5704

(n,p) Levels  
293 Kelvin Cross Sections

57-La-131



10

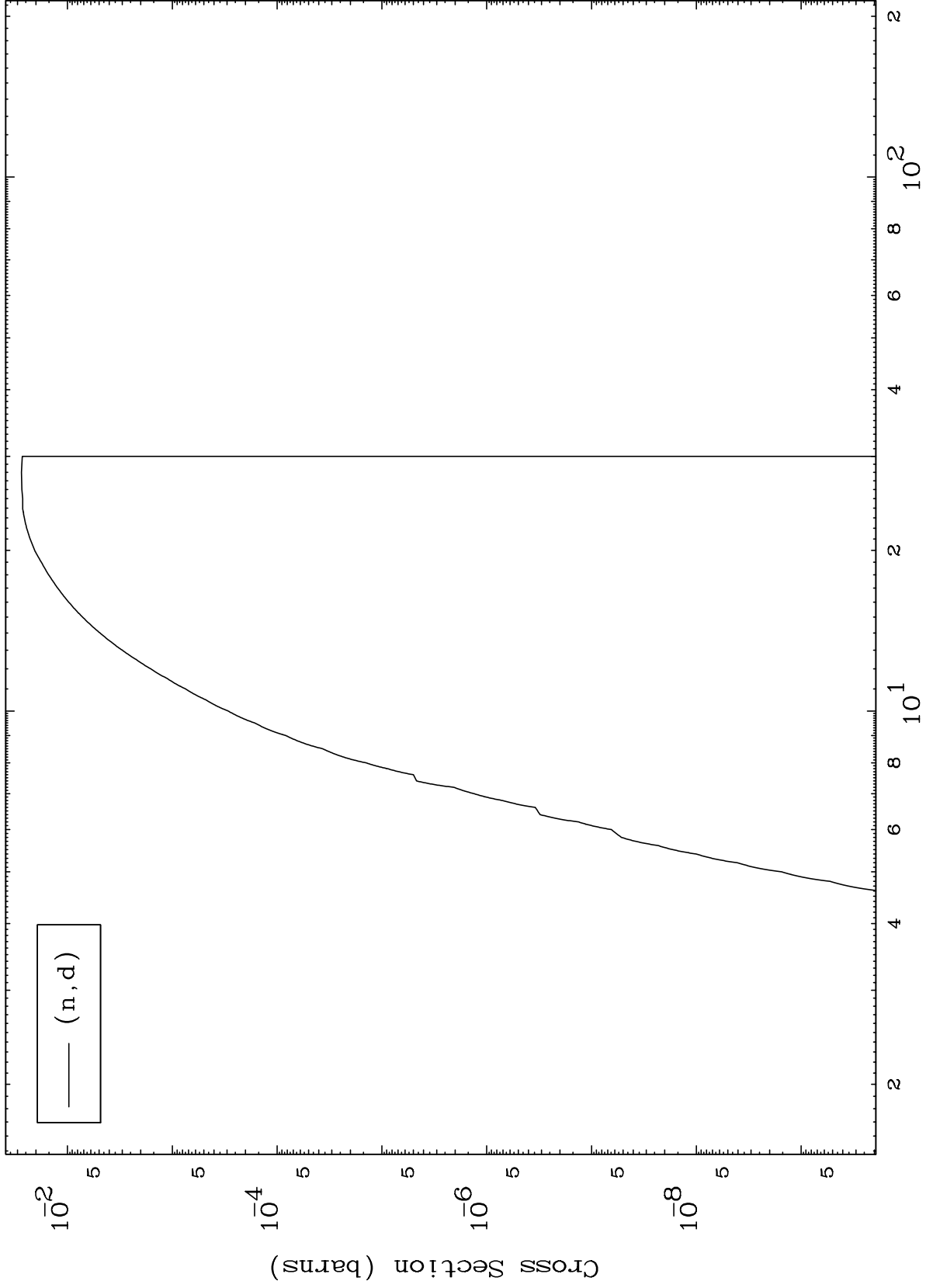
Incident Energy (MeV)

57-La-131

MAT 5704

(n,d) Levels  
293 Kelvin Cross Sections

57-La-131



11

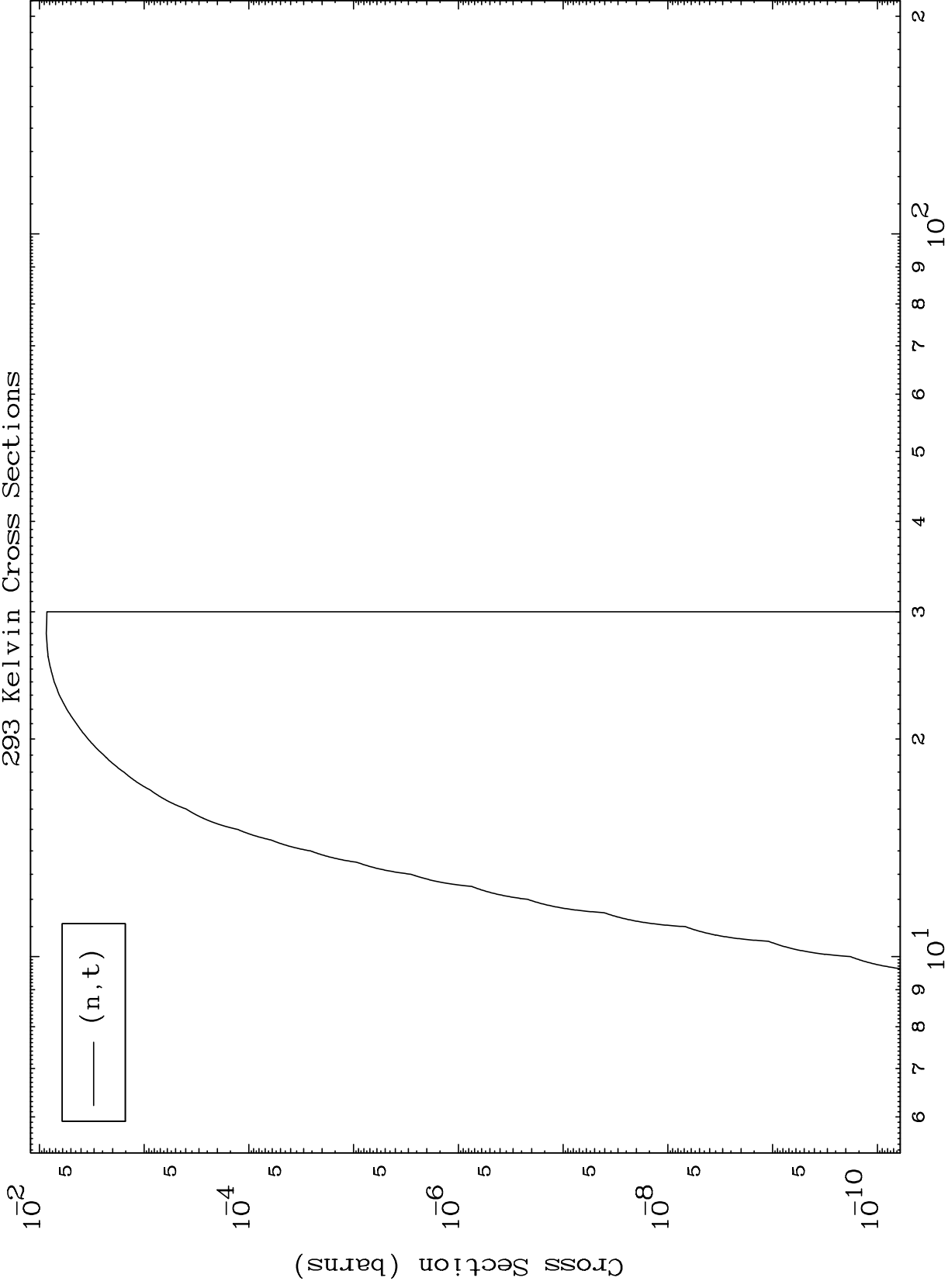
Incident Energy (MeV)

57-La-131

MAT 5704

(n,t) Levels  
293 Kelvin Cross Sections

57-La-131



12

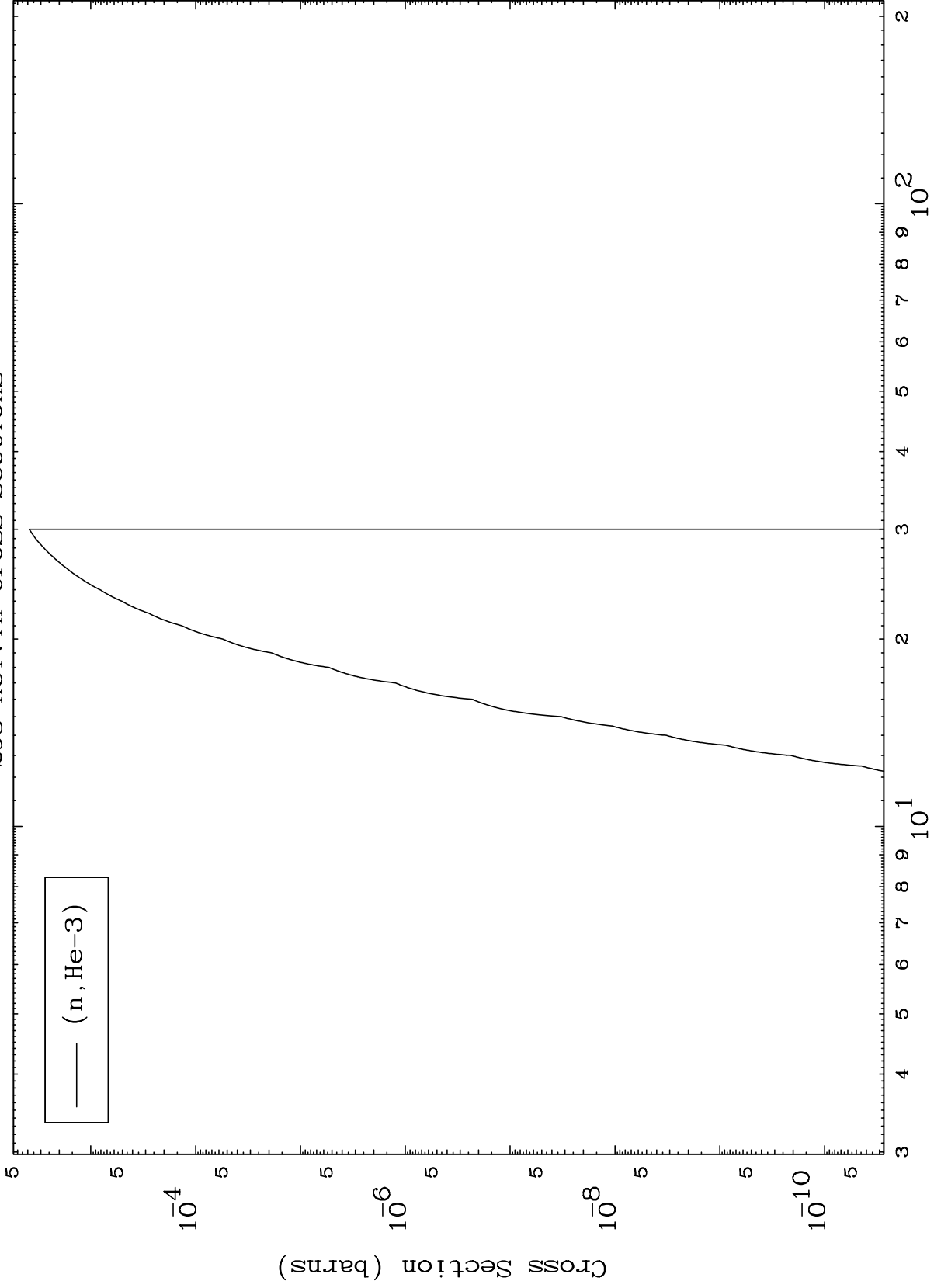
Incident Energy (MeV)

57-La-131

MAT 5704

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-131



13

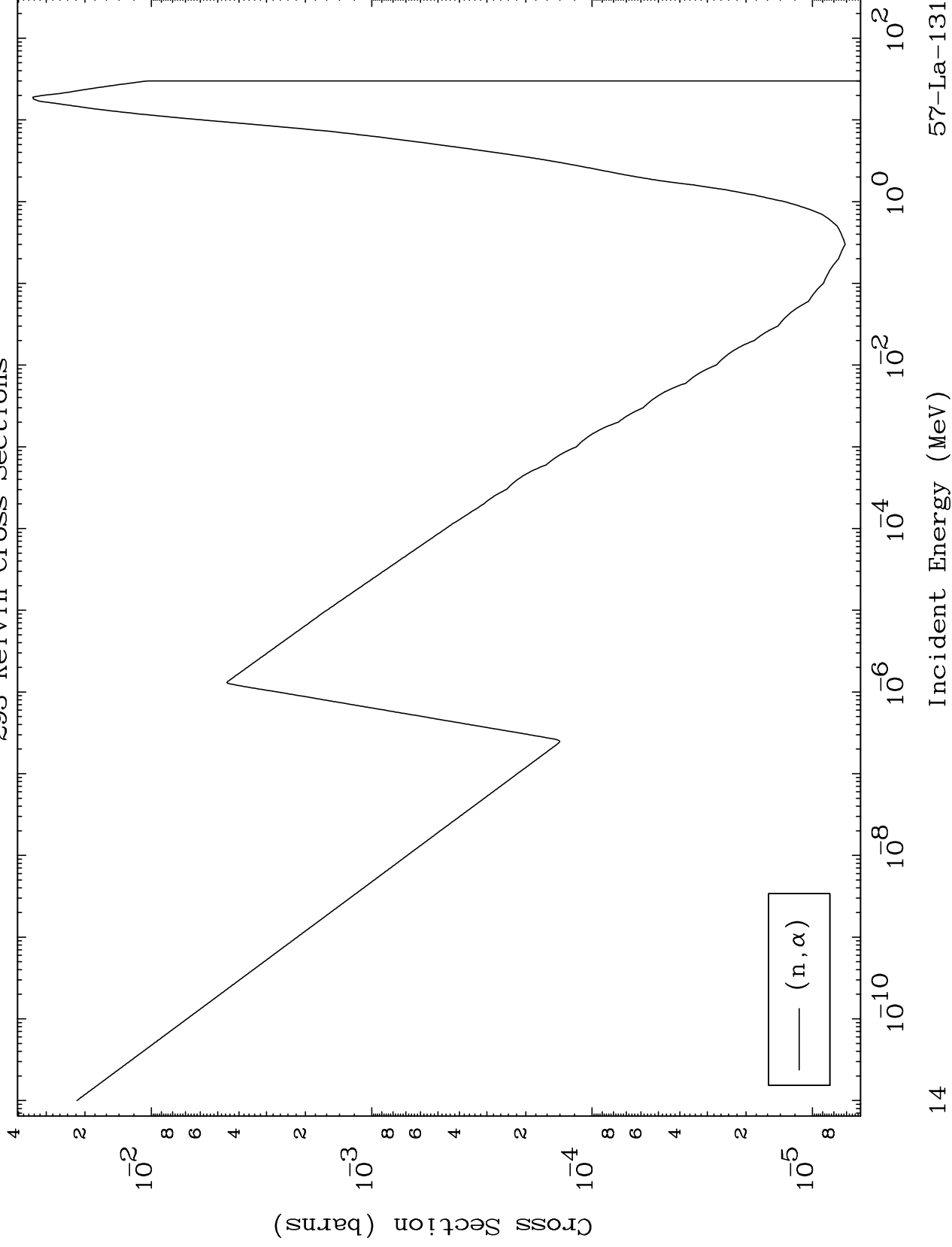
Incident Energy (MeV)

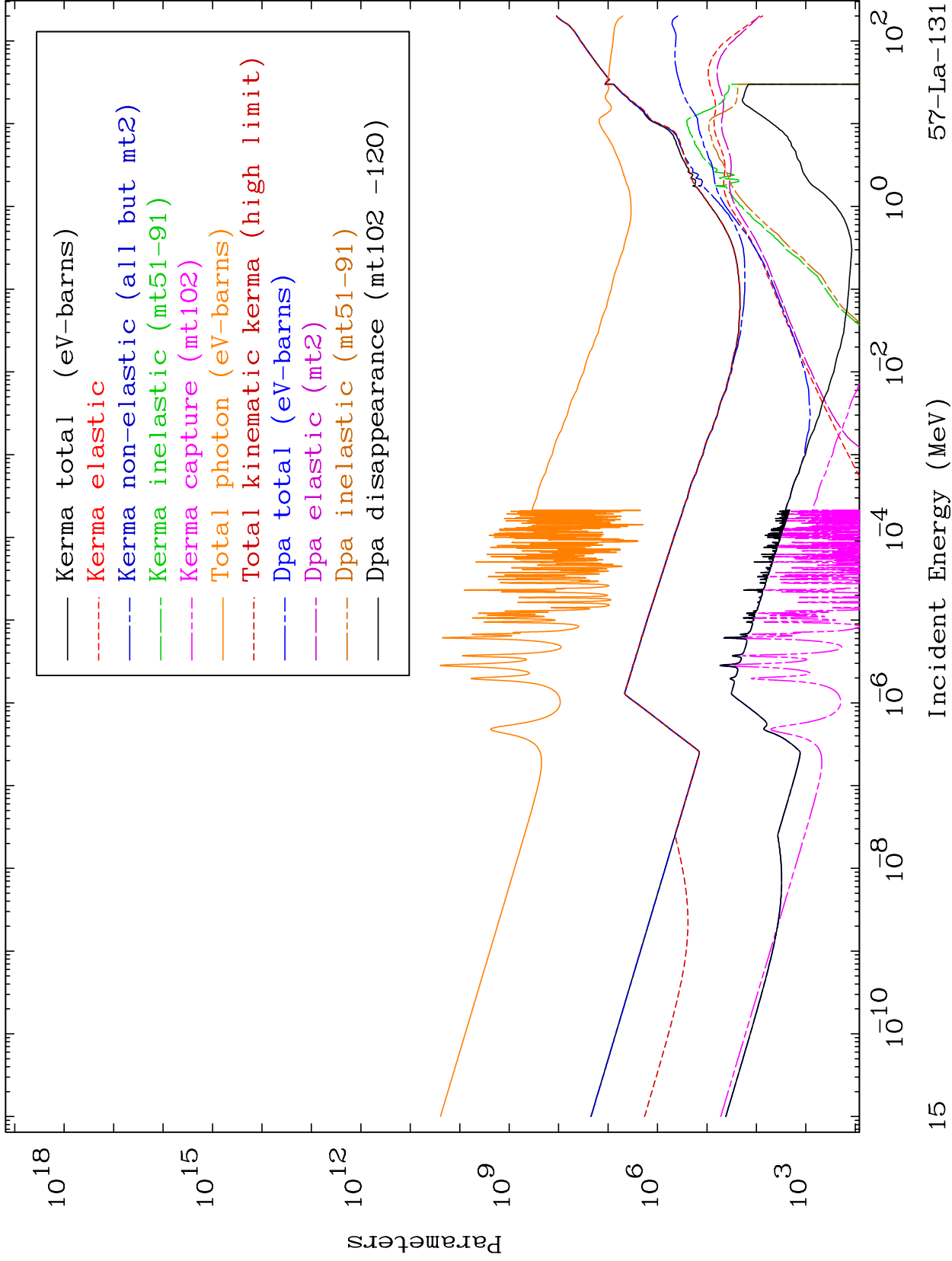
57-La-131

MAT 5704

(n,α) Levels  
293 Kelvin Cross Sections

57-La-131





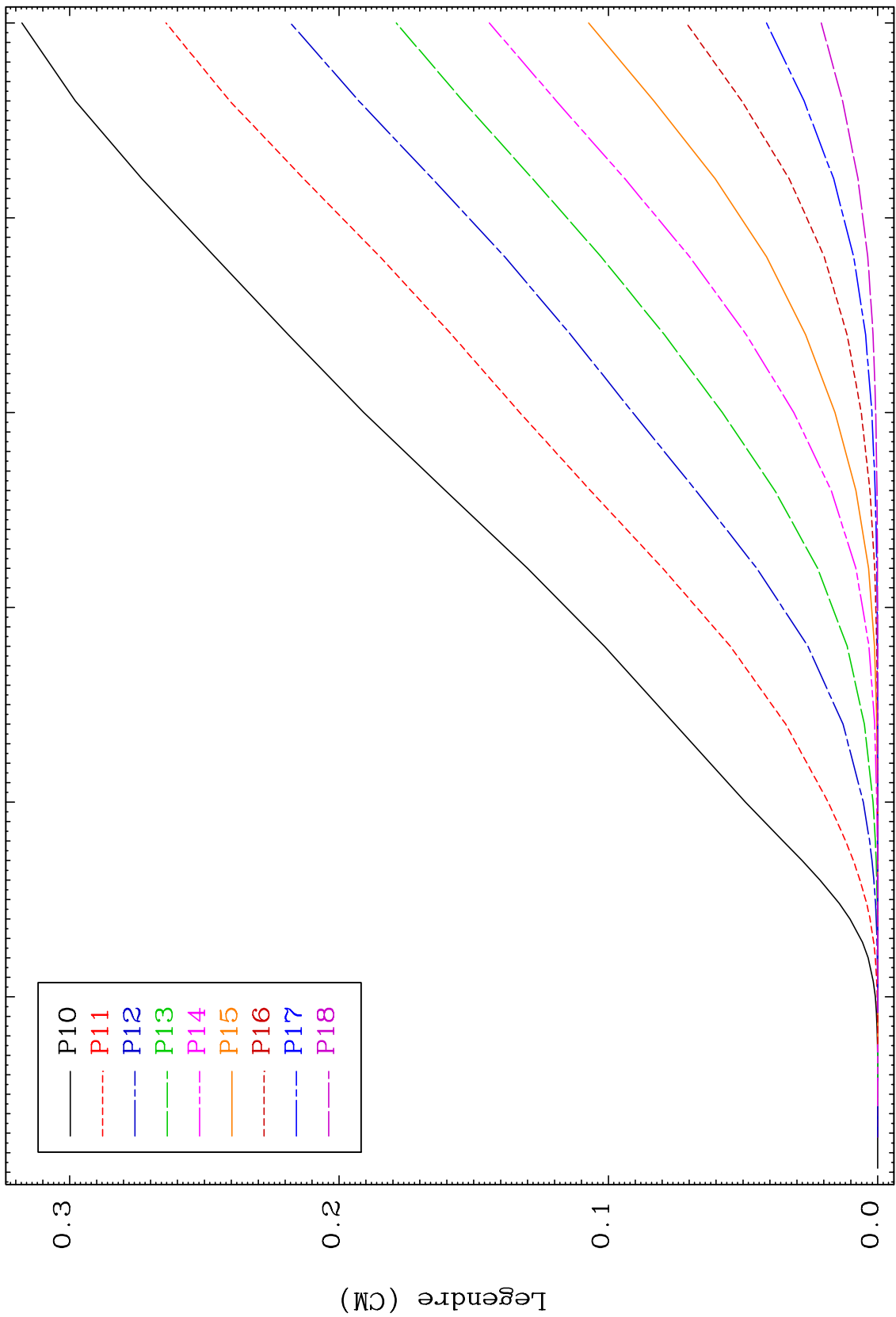




MAT 5704

Elastic Legendre Coefficients

57-La-131



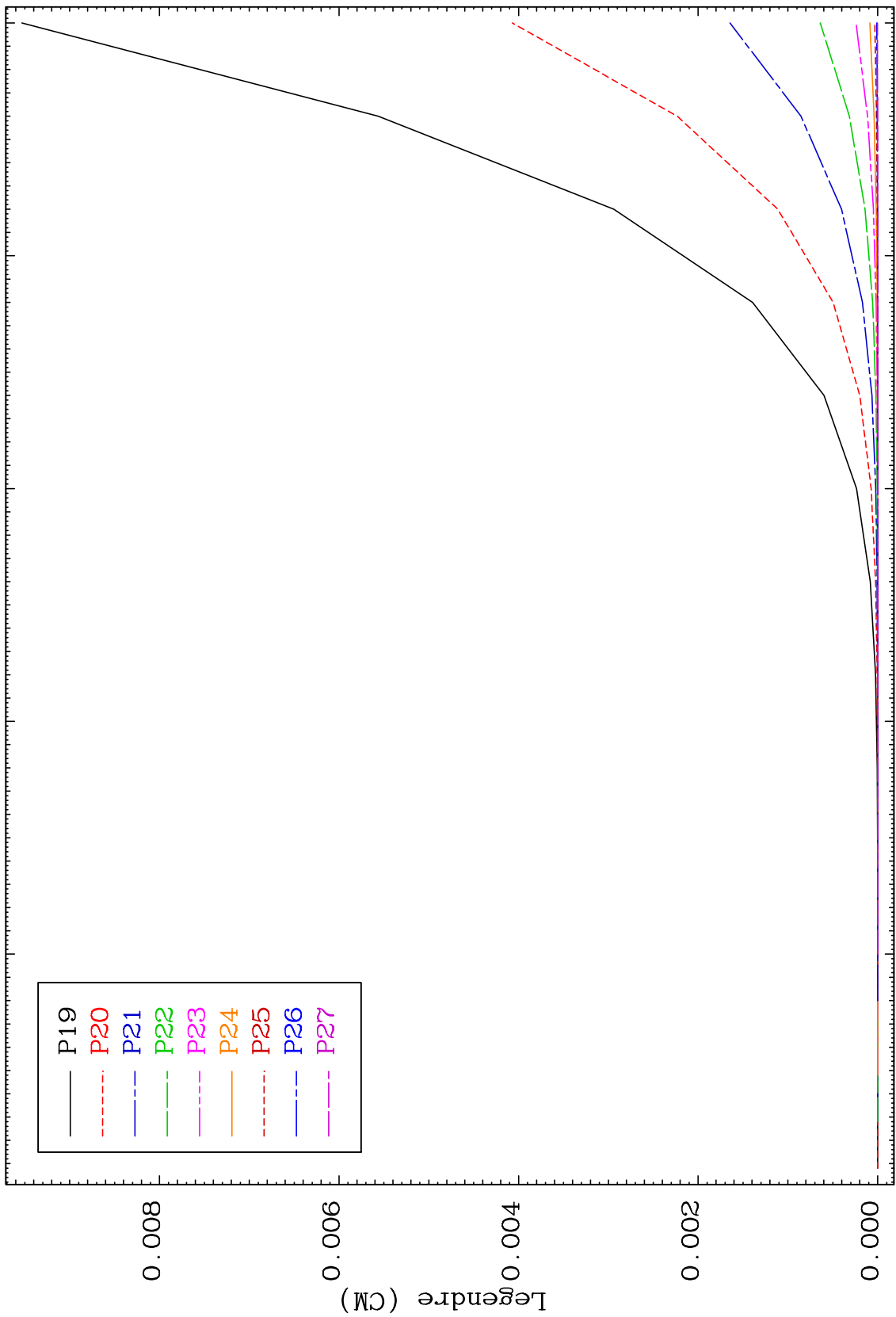
17

57-La-131

MAT 5704

Elastic Legendre Coefficients

57-La-131



57-La-131

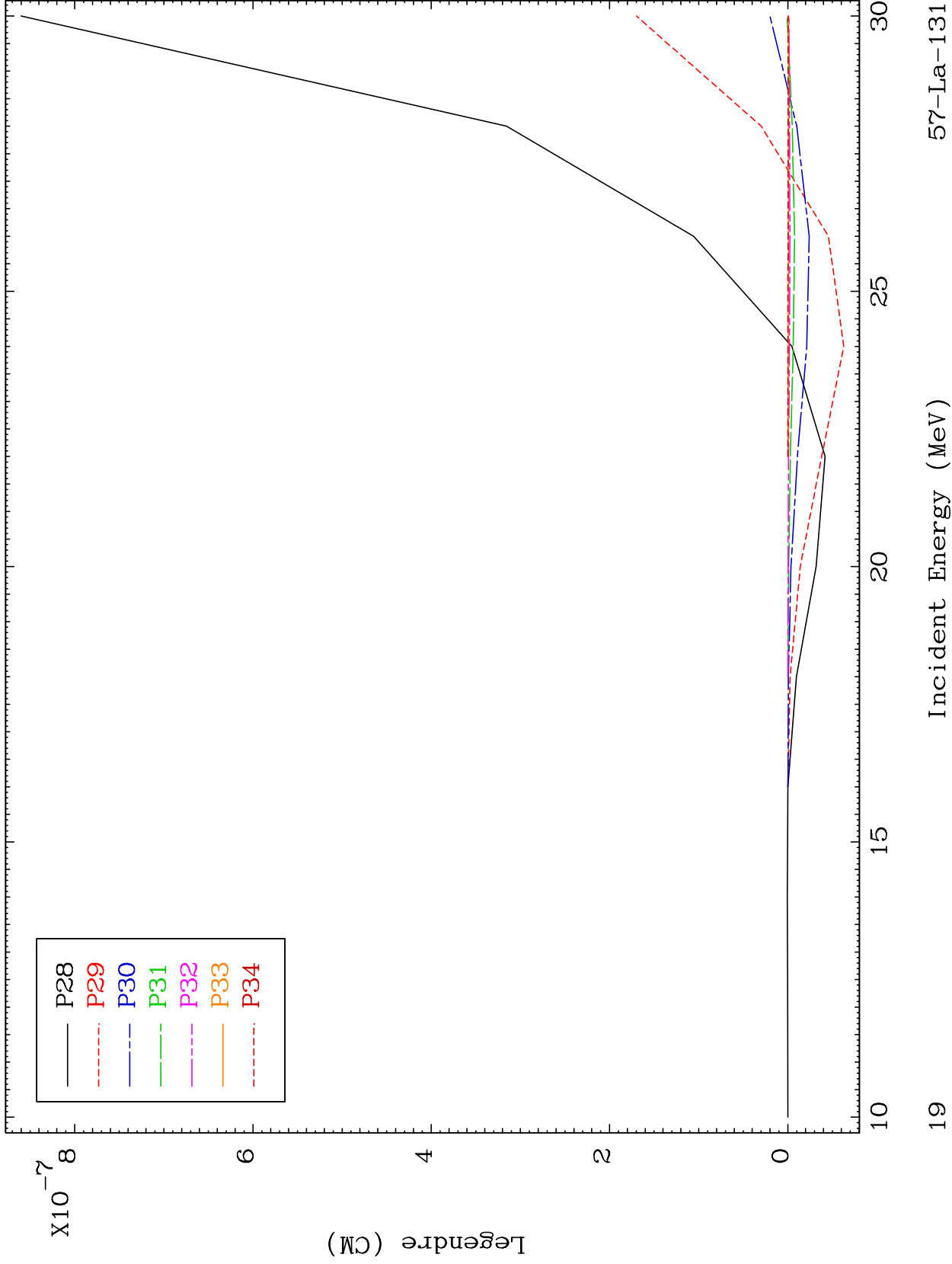
Incident Energy (MeV)

18

MAT 5704

Elastic Legendre Coefficients

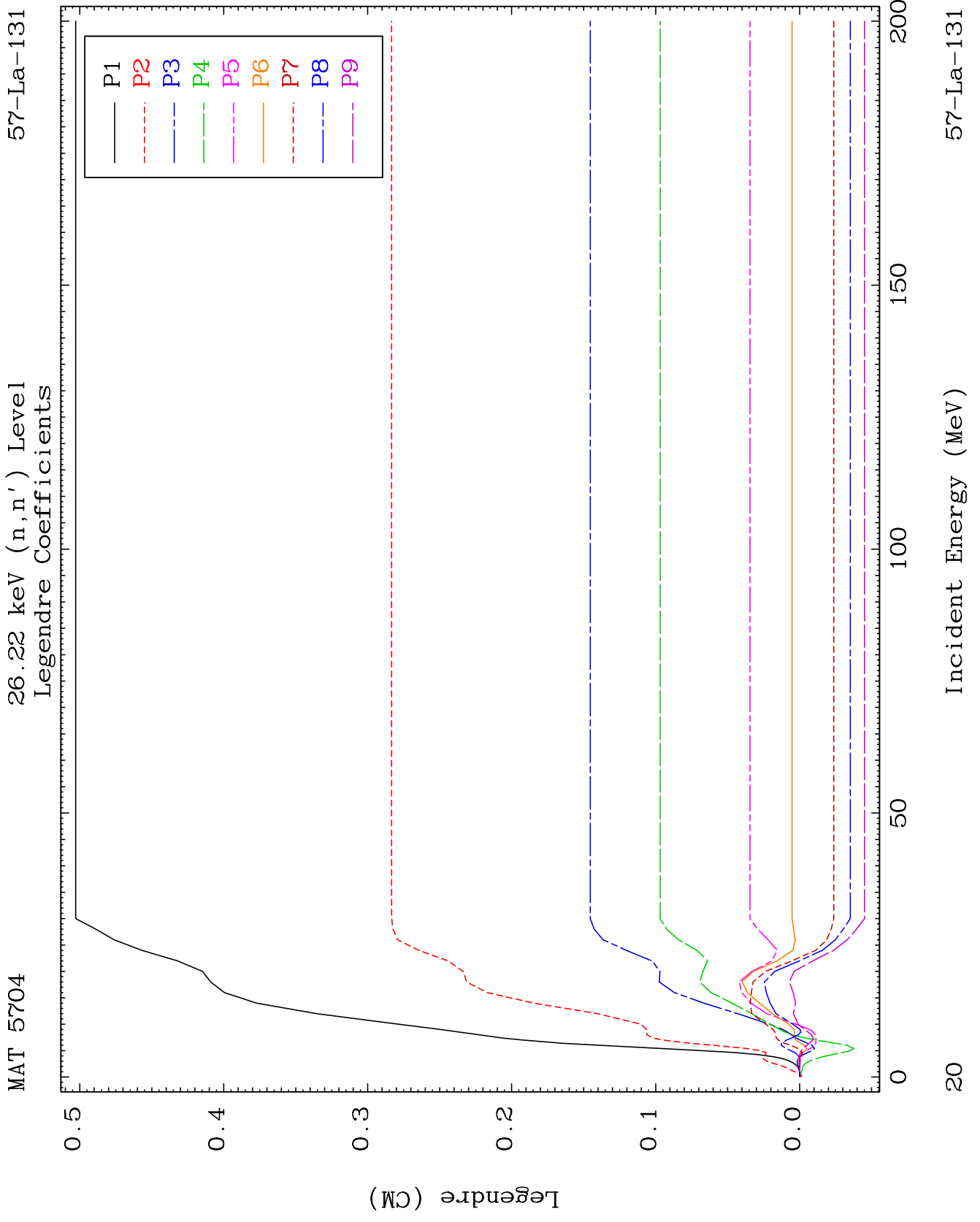
57-La-131



19

Incident Energy (MeV)

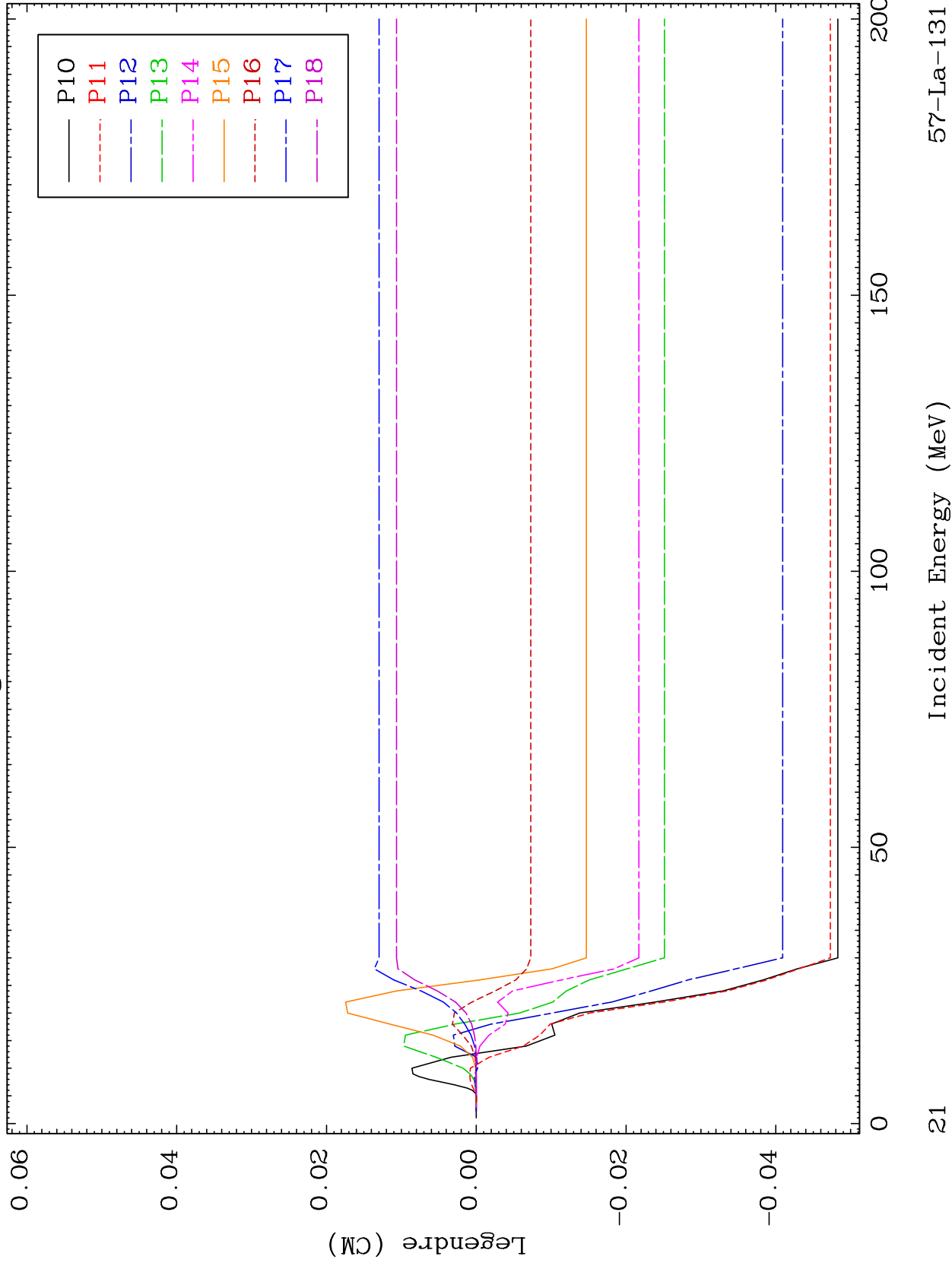
57-La-131



MAT 5704

26.22 keV (n,n') Level  
Legendre Coefficients

57-La-131



21

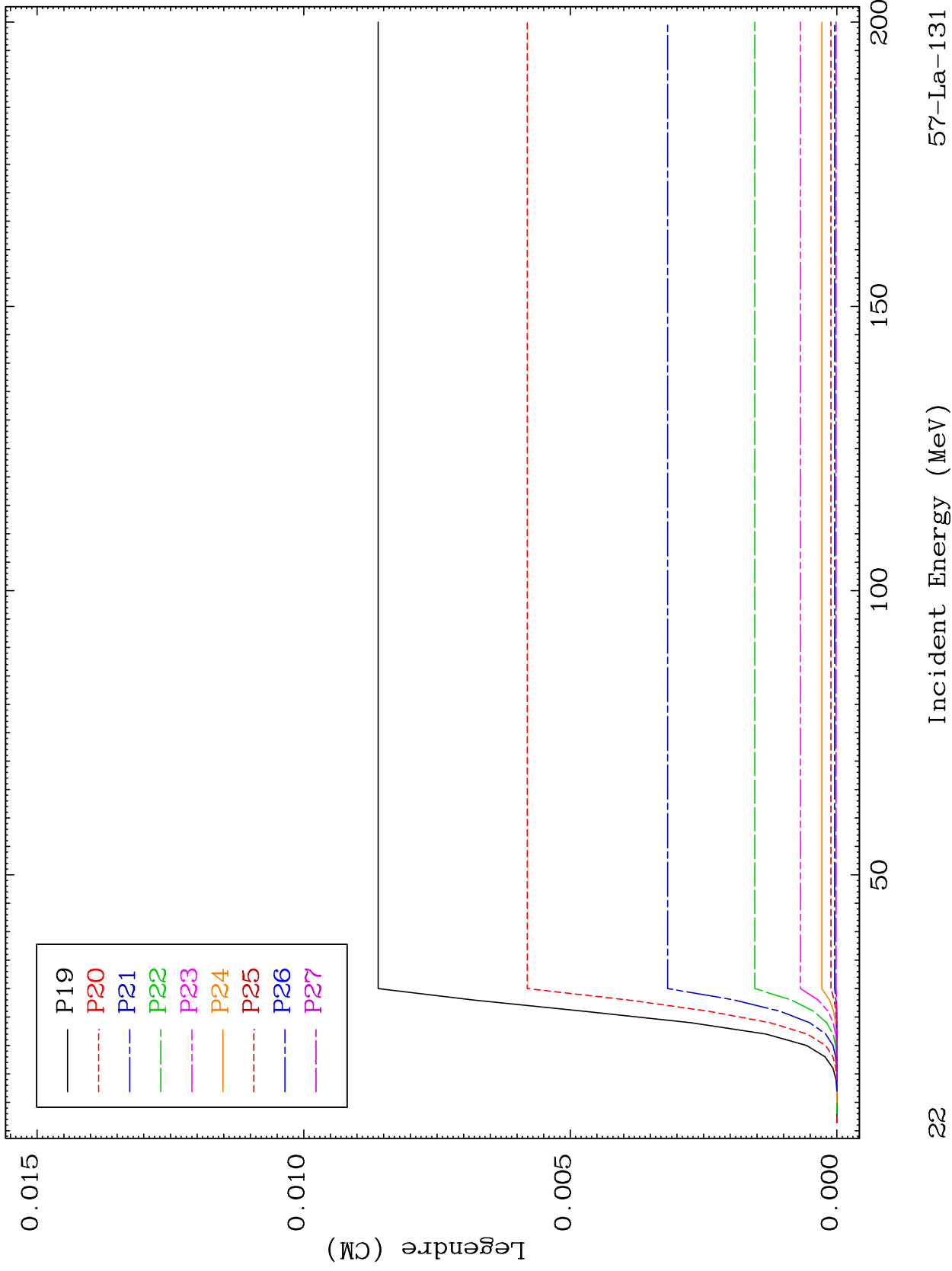
Incident Energy (MeV)

57-La-131

MAT 5704

26.22 keV (n,n') Level  
Legendre Coefficients

57-La-131



22

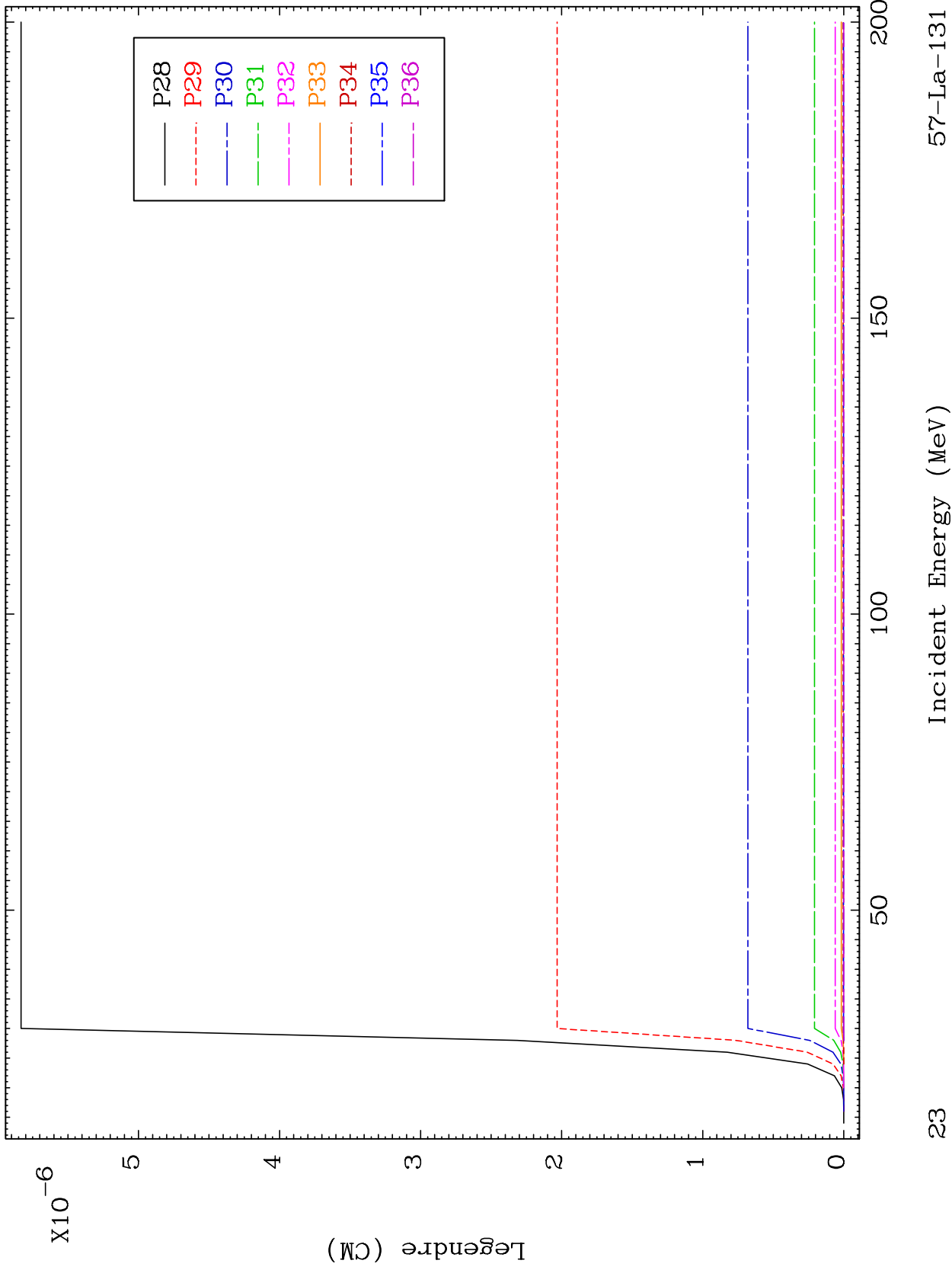
Incident Energy (MeV)

57-La-131

MAT 5704

26.22 keV (n,n') Level  
Legendre Coefficients

57-La-131



23

Incident Energy (MeV)

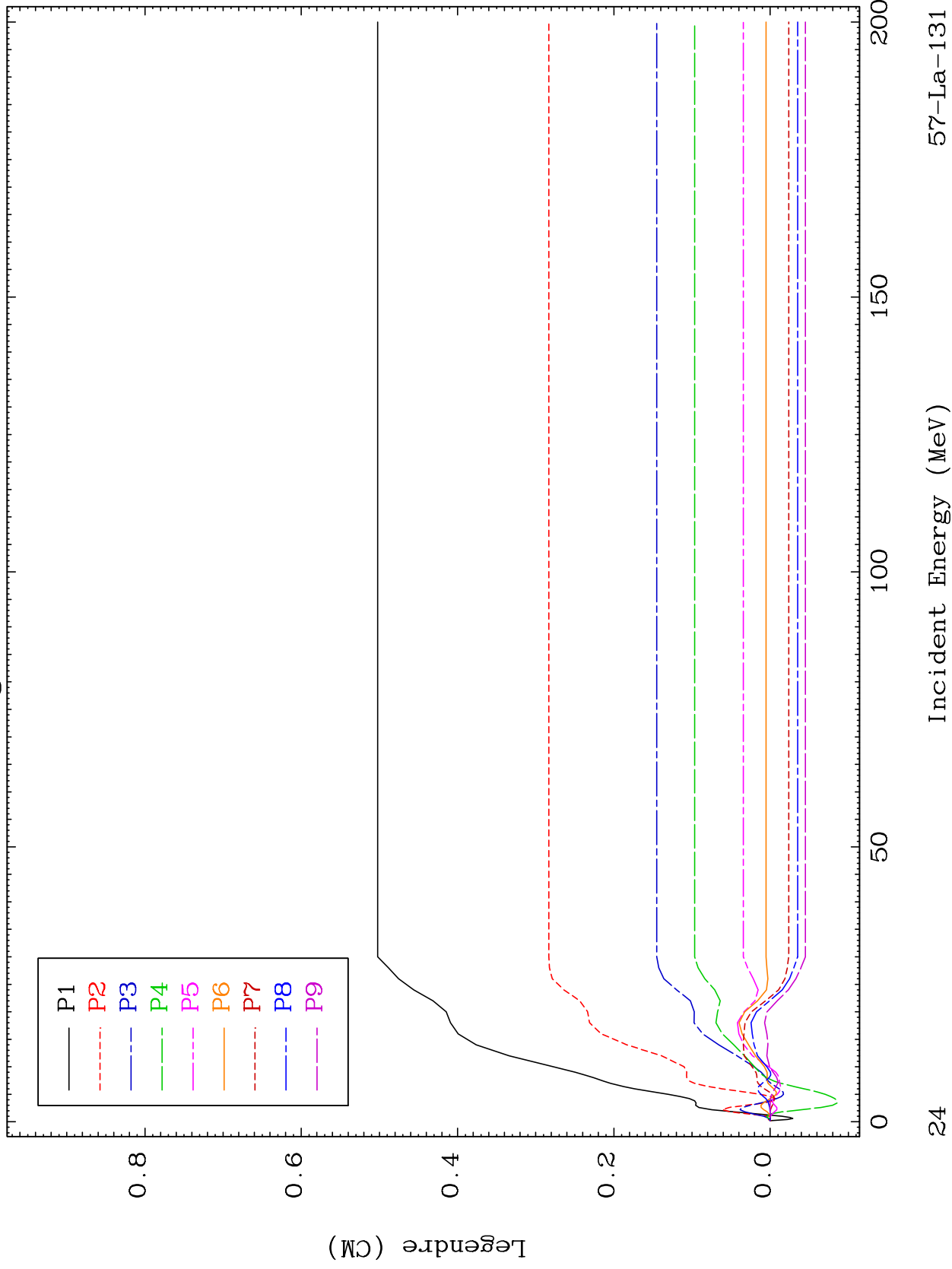
57-La-131



MAT 5704

145.4 keV (n,n') Level  
Legendre Coefficients

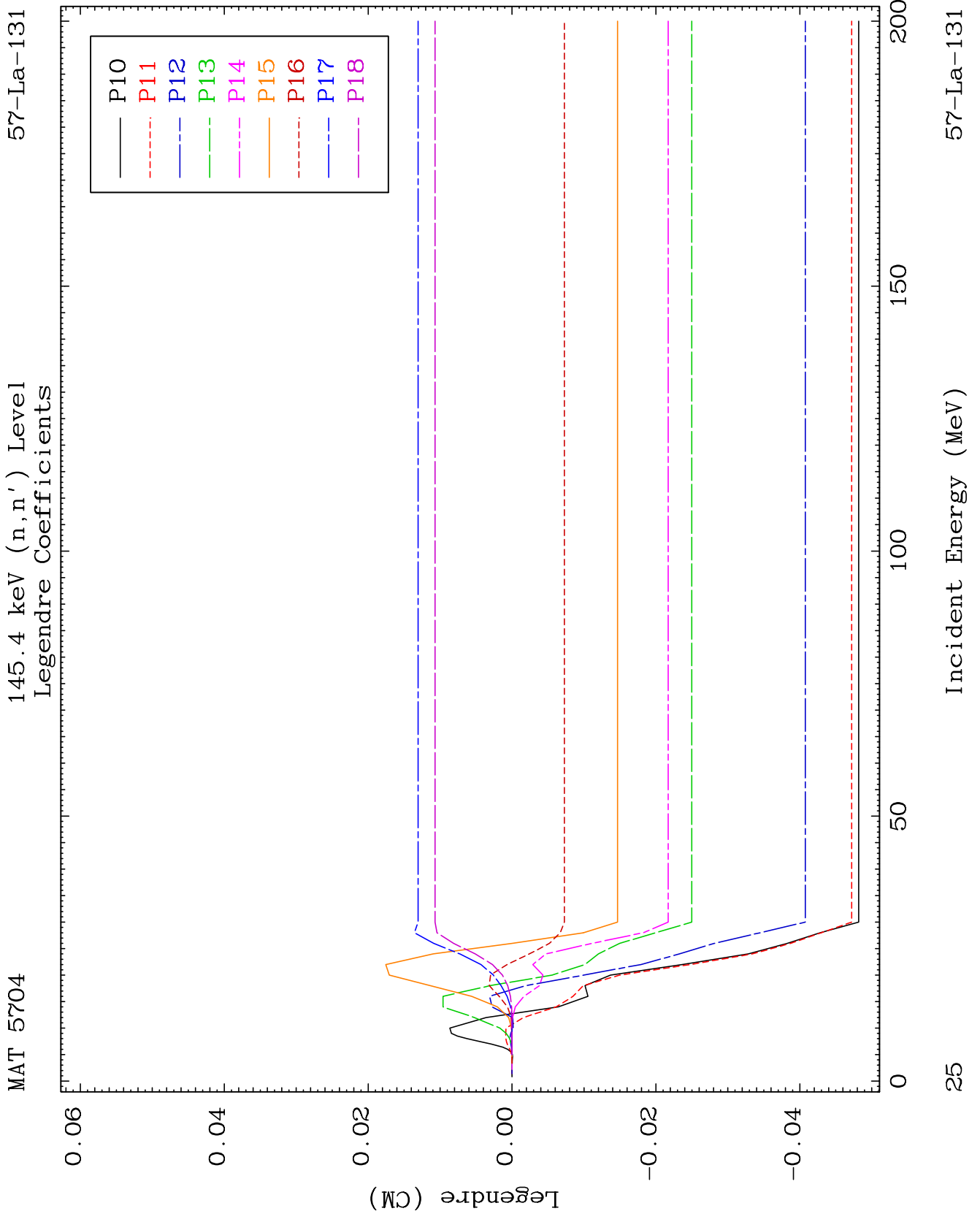
57-La-131



57-La-131

Incident Energy (MeV)

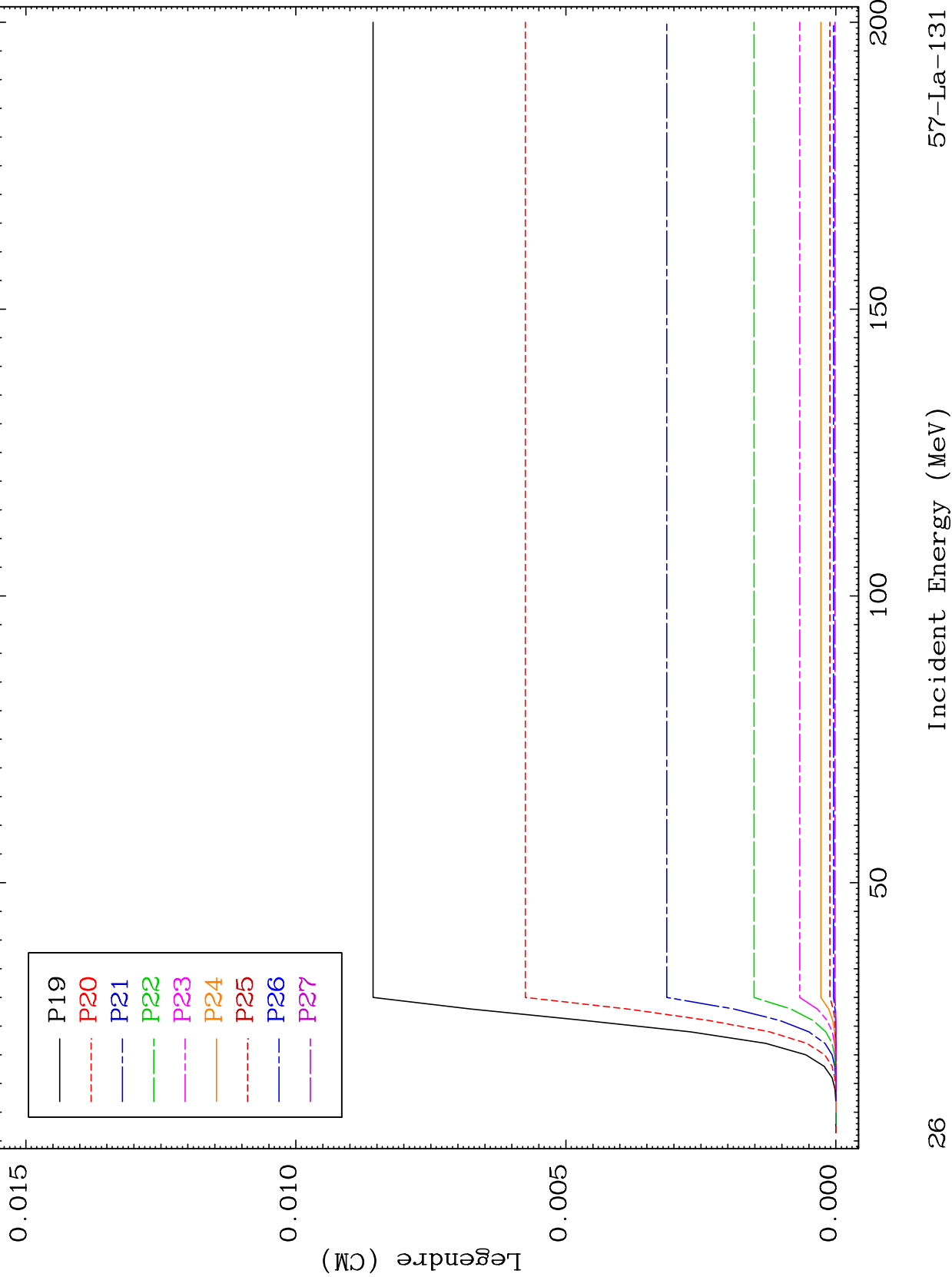
24



MAT 5704

145.4 keV (n,n') Level  
Legendre Coefficients

57-La-131

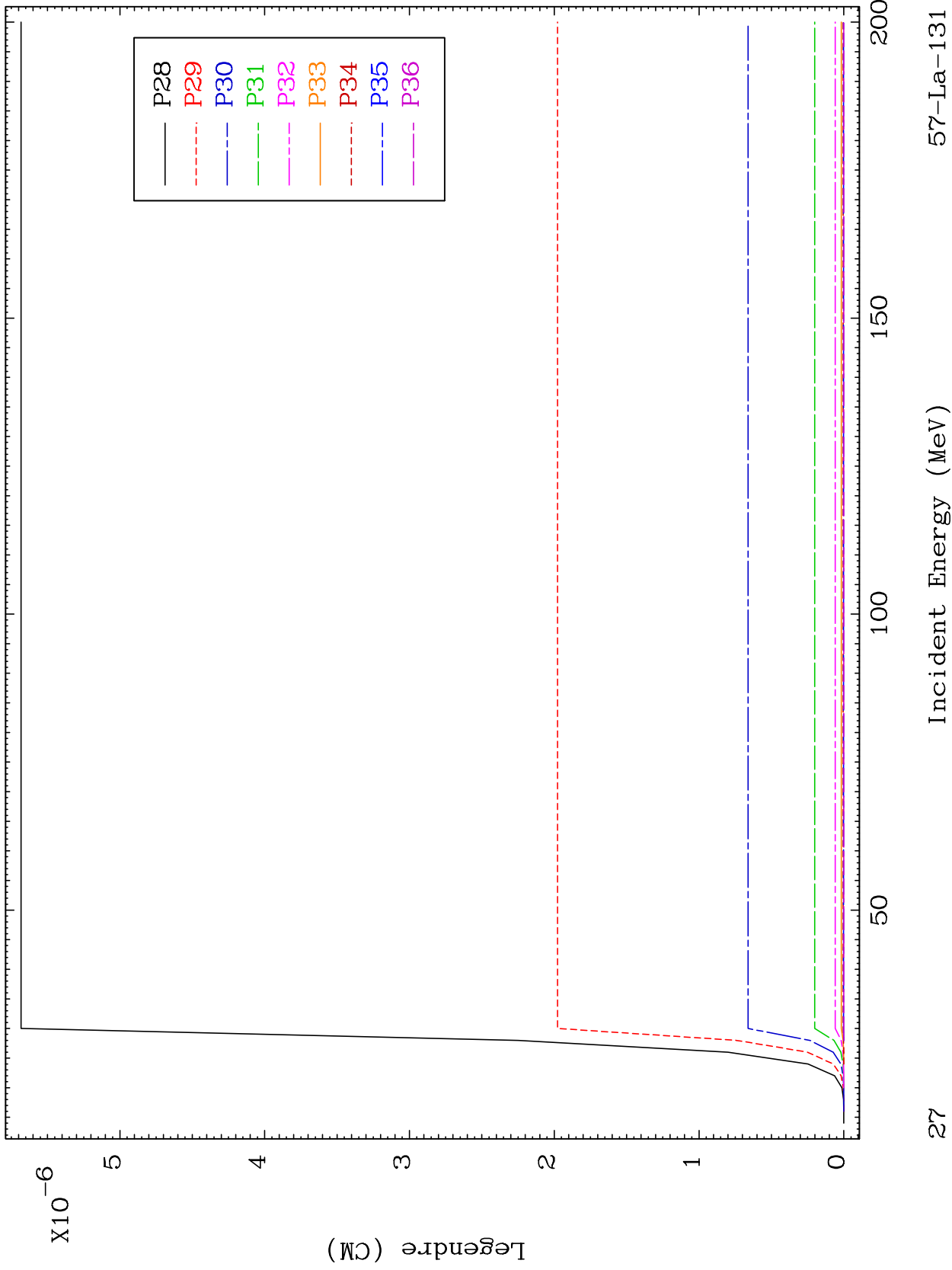


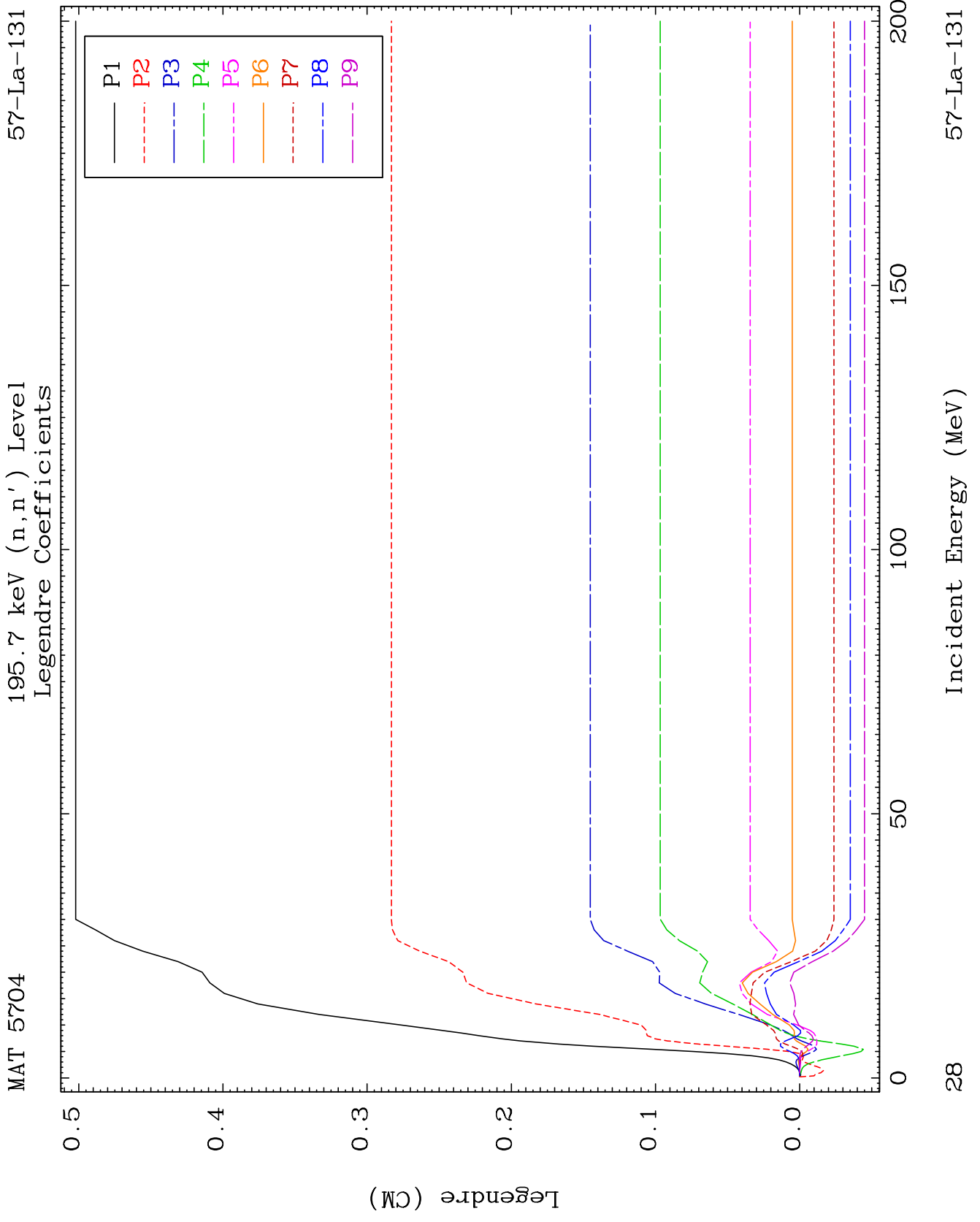
26

MAT 5704

145.4 keV (n,n') Level  
Legendre Coefficients

57-La-131

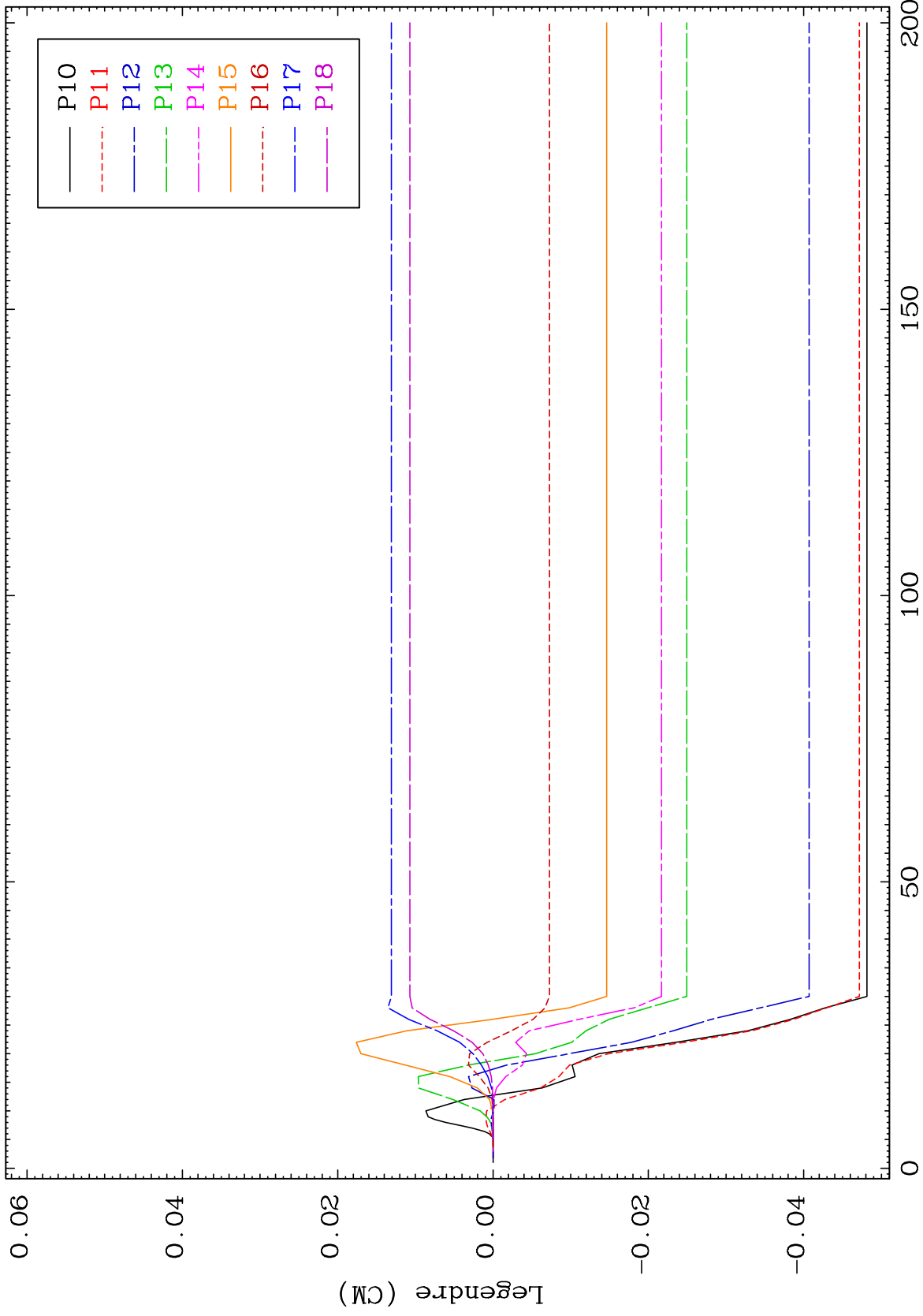




MAT 5704

195.7 keV (n,n') Level  
Legendre Coefficients

57-La-131



29

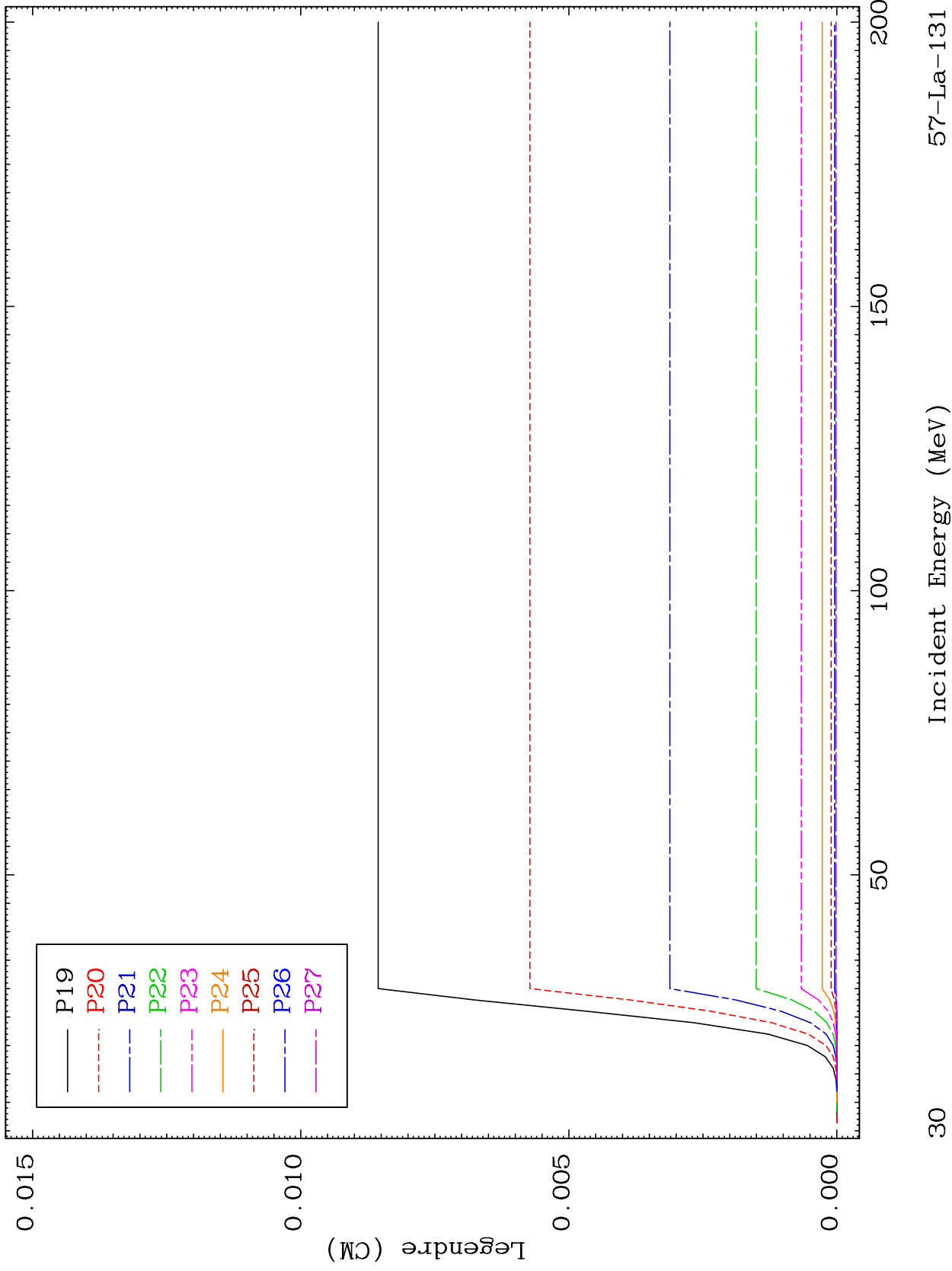
Incident Energy (MeV)

57-La-131

MAT 5704

195.7 keV (n,n') Level  
Legendre Coefficients

57-La-131



30

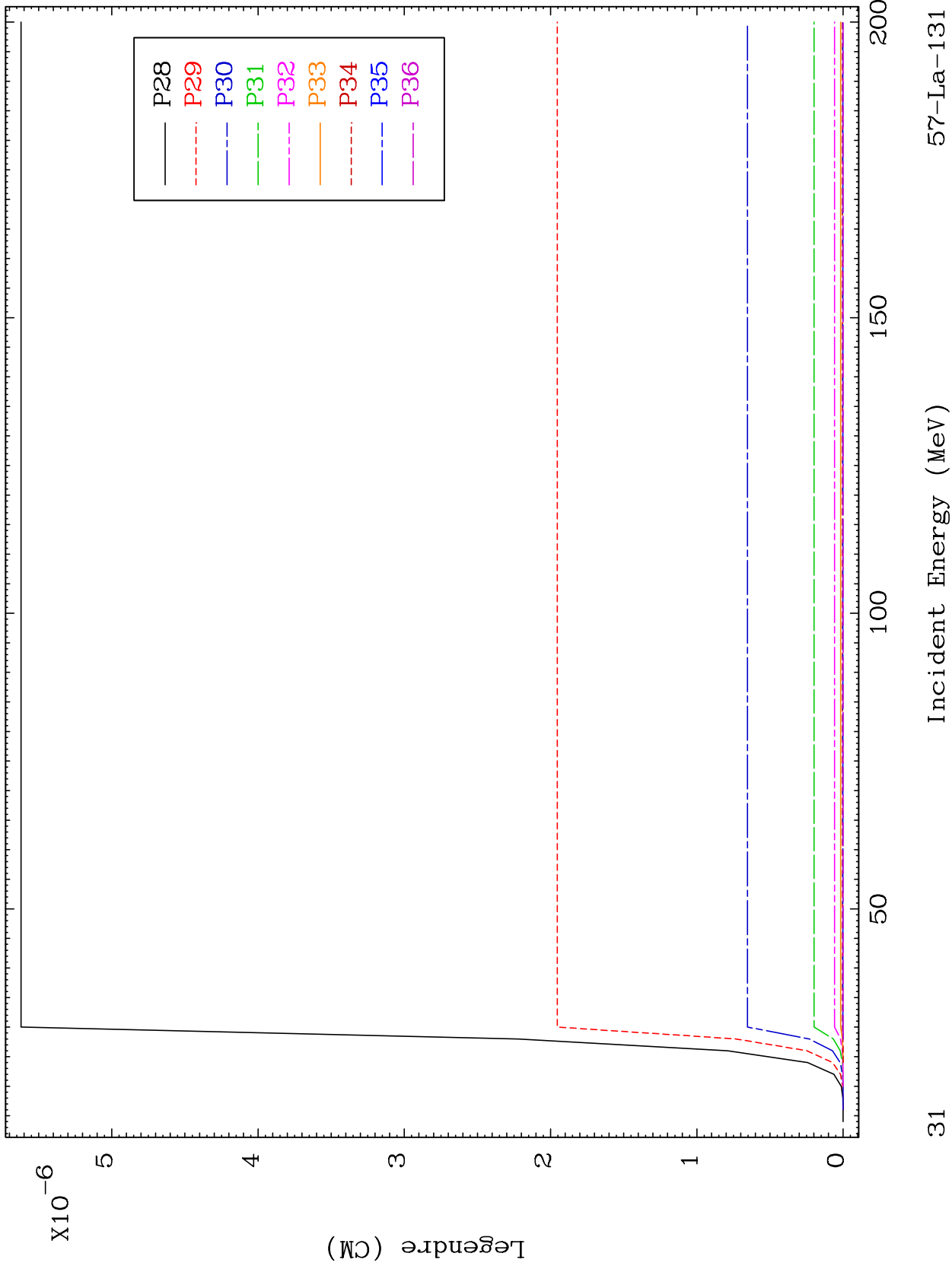
Incident Energy (MeV)

57-La-131

MAT 5704

195.7 keV (n,n') Level  
Legendre Coefficients

57-La-131



31

Incident Energy (MeV)

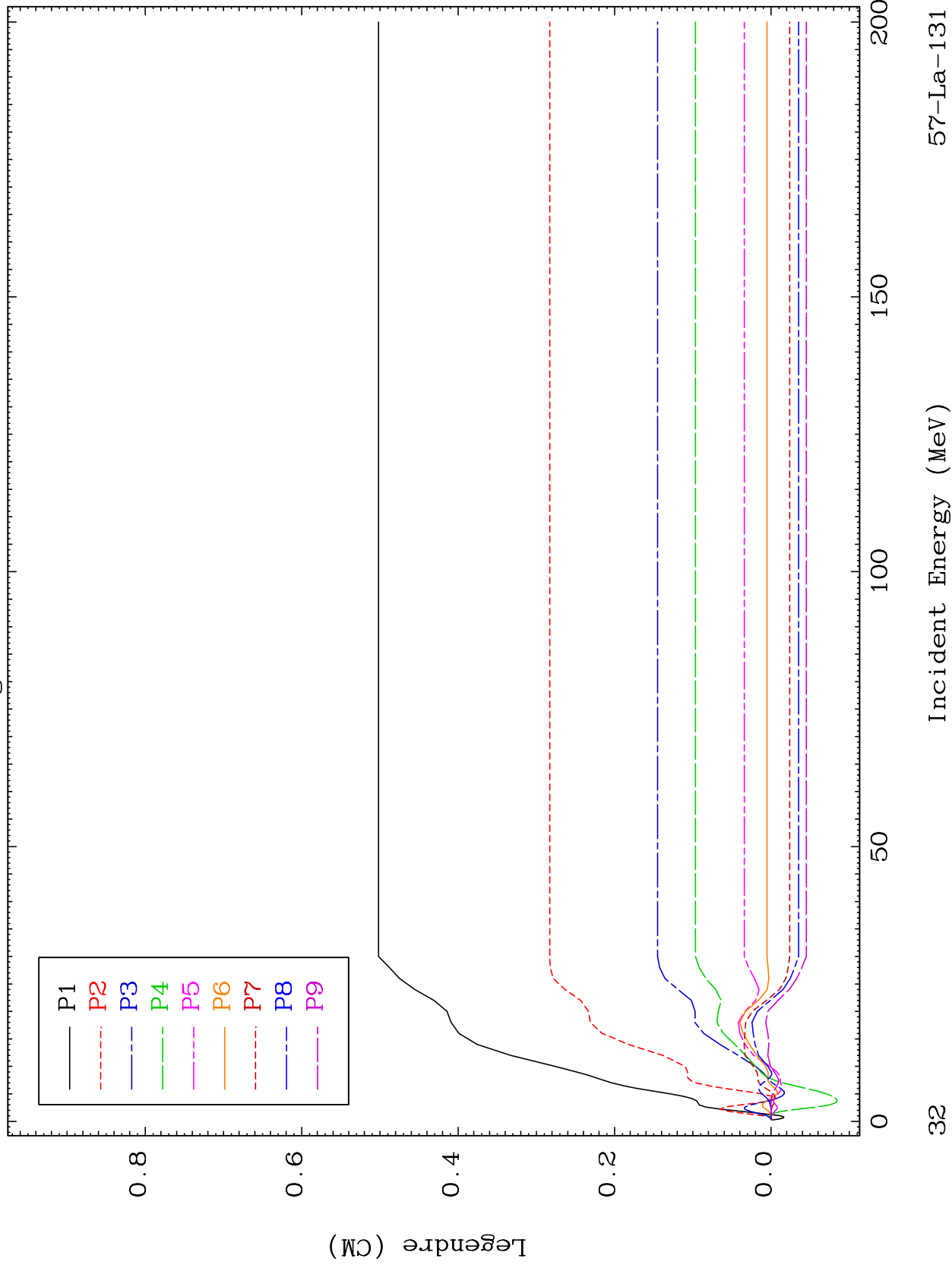
57-La-131



MAT 5704

230.4 keV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

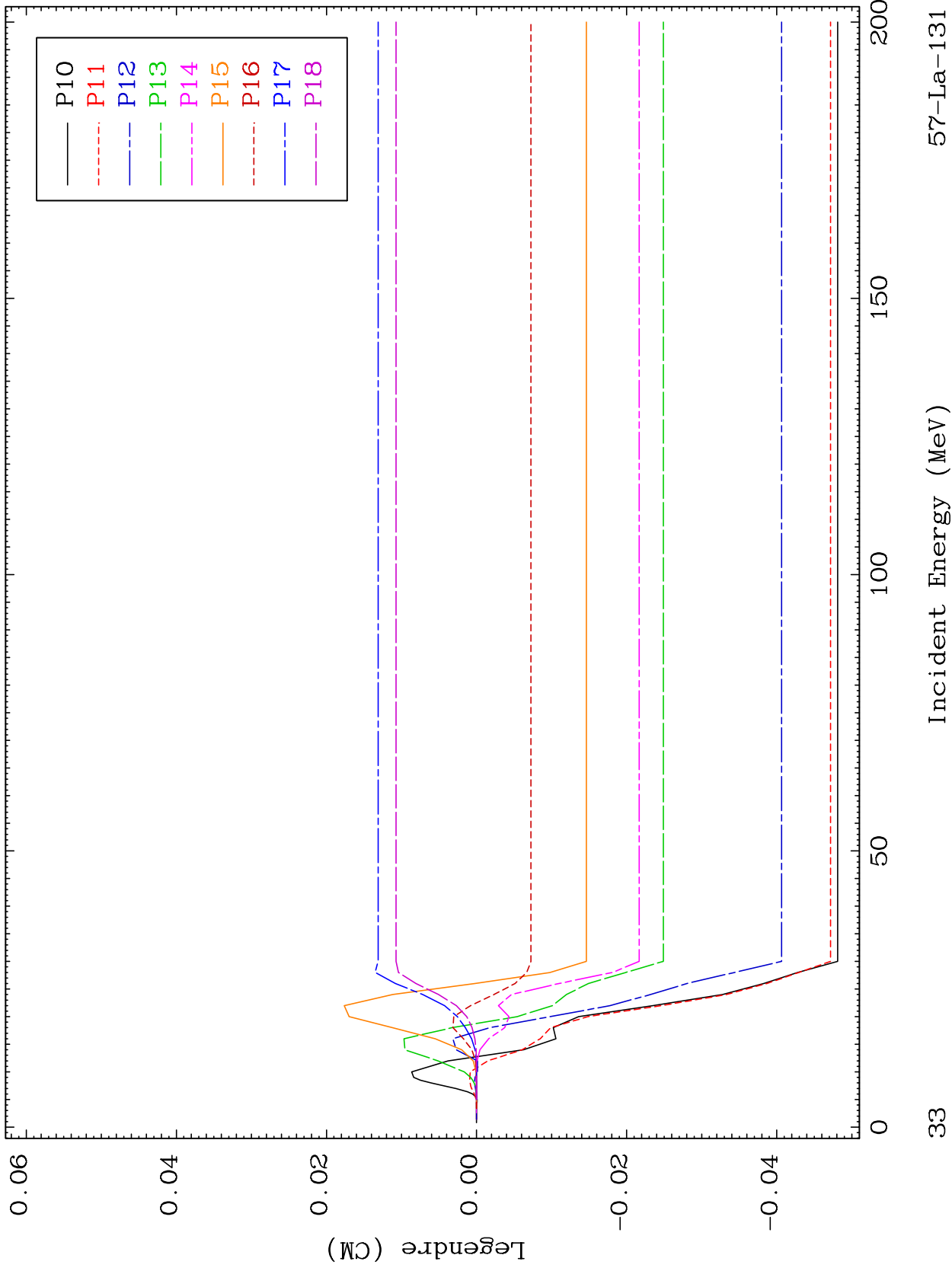
Incident Energy (MeV)

32

MAT 5704

230.4 keV (n,n') Level  
Legendre Coefficients

57-La-131

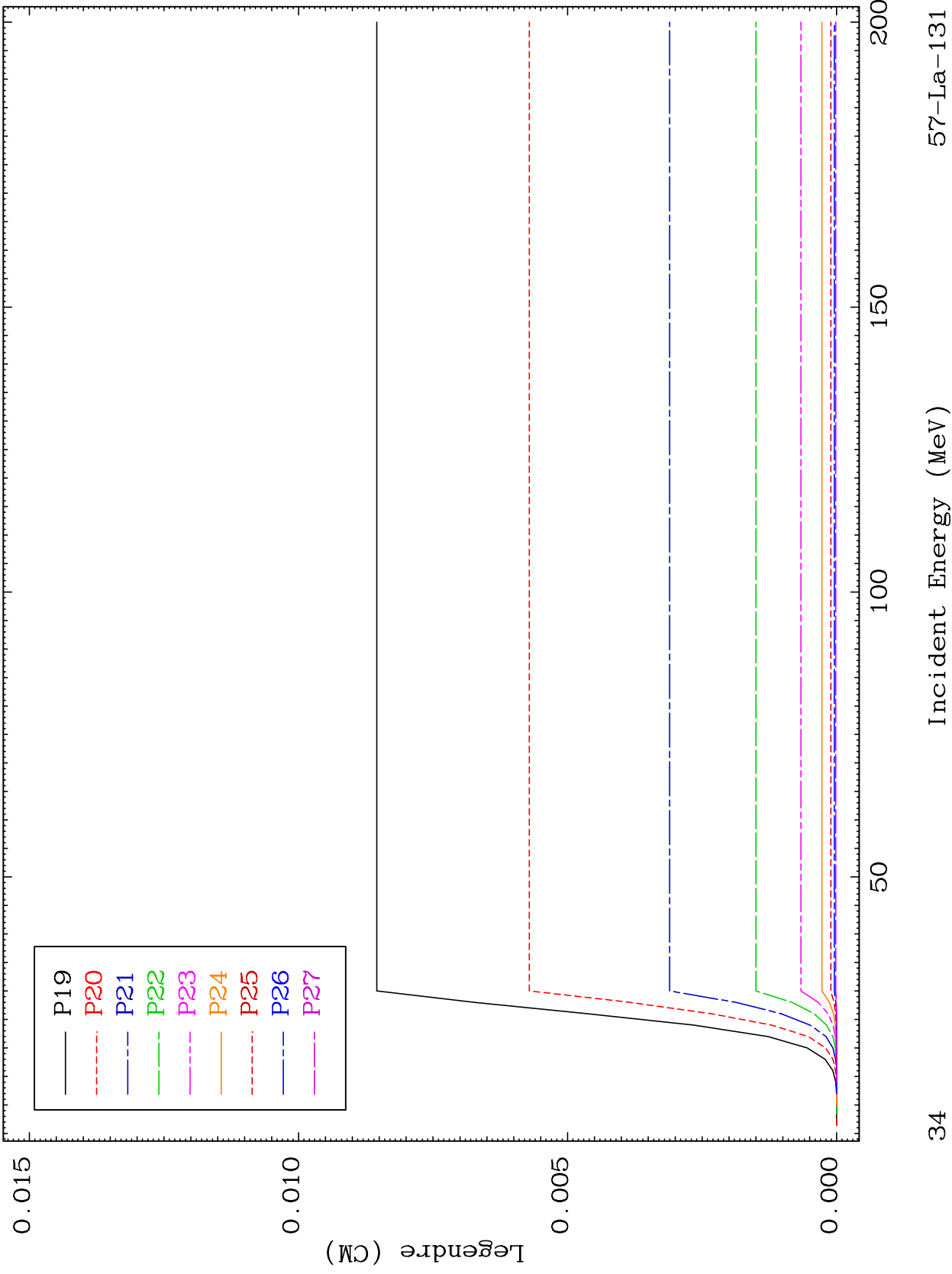


33

MAT 5704

230.4 keV (n,n') Level  
Legendre Coefficients

57-La-131



34

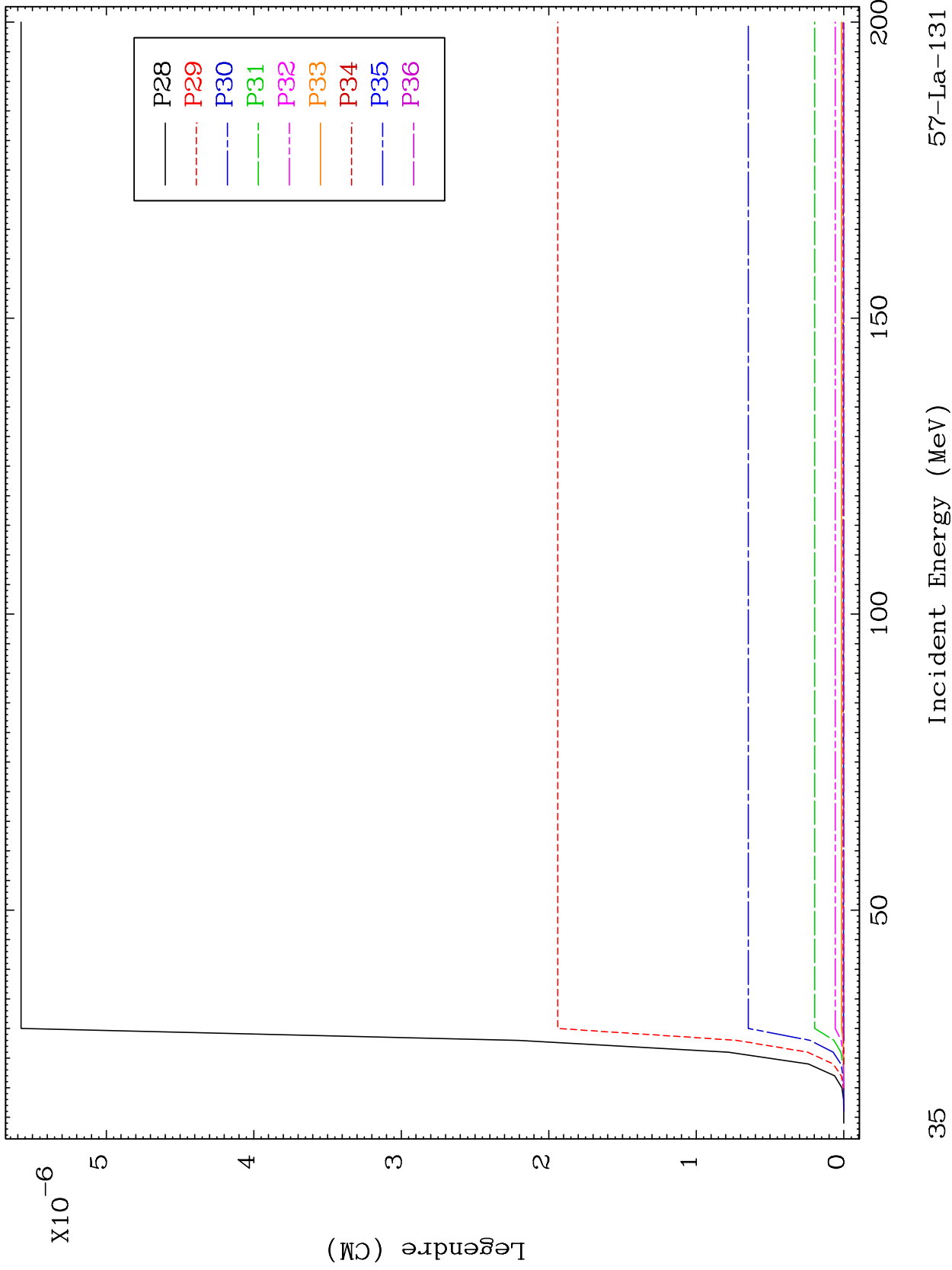
Incident Energy (MeV)

57-La-131

MAT 5704

230.4 keV (n,n') Level  
Legendre Coefficients

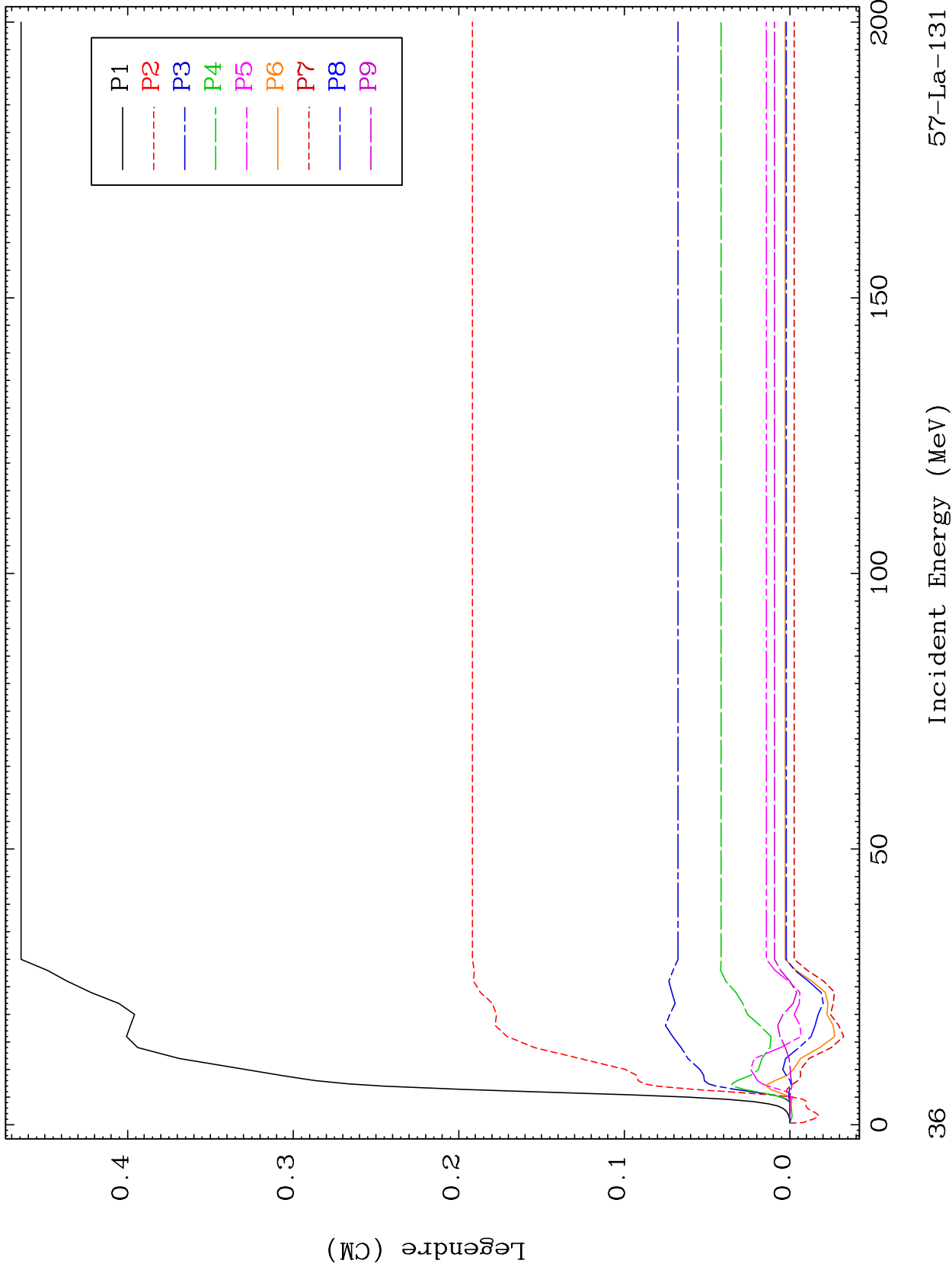
57-La-131



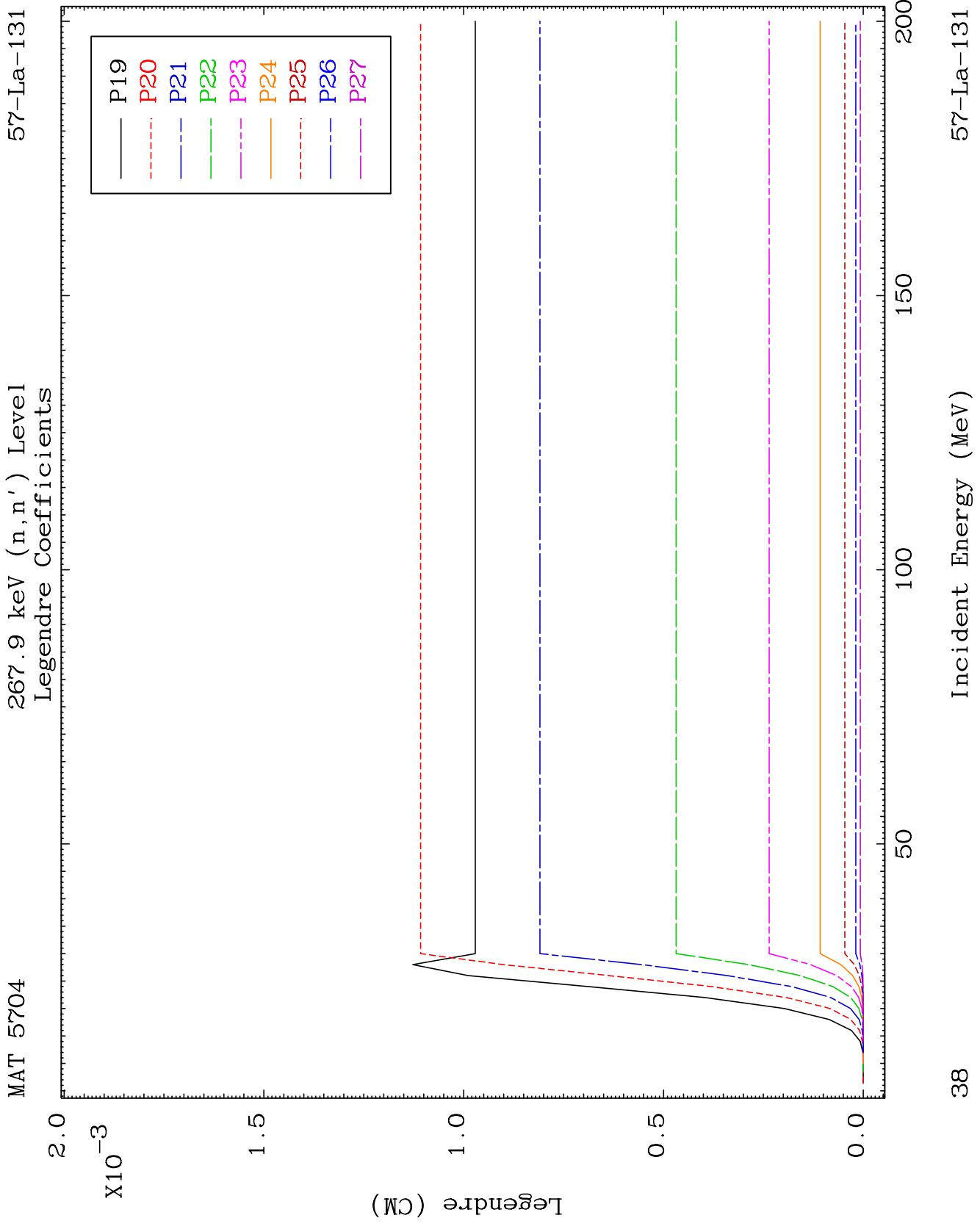
35

Incident Energy (MeV)

57-La-131



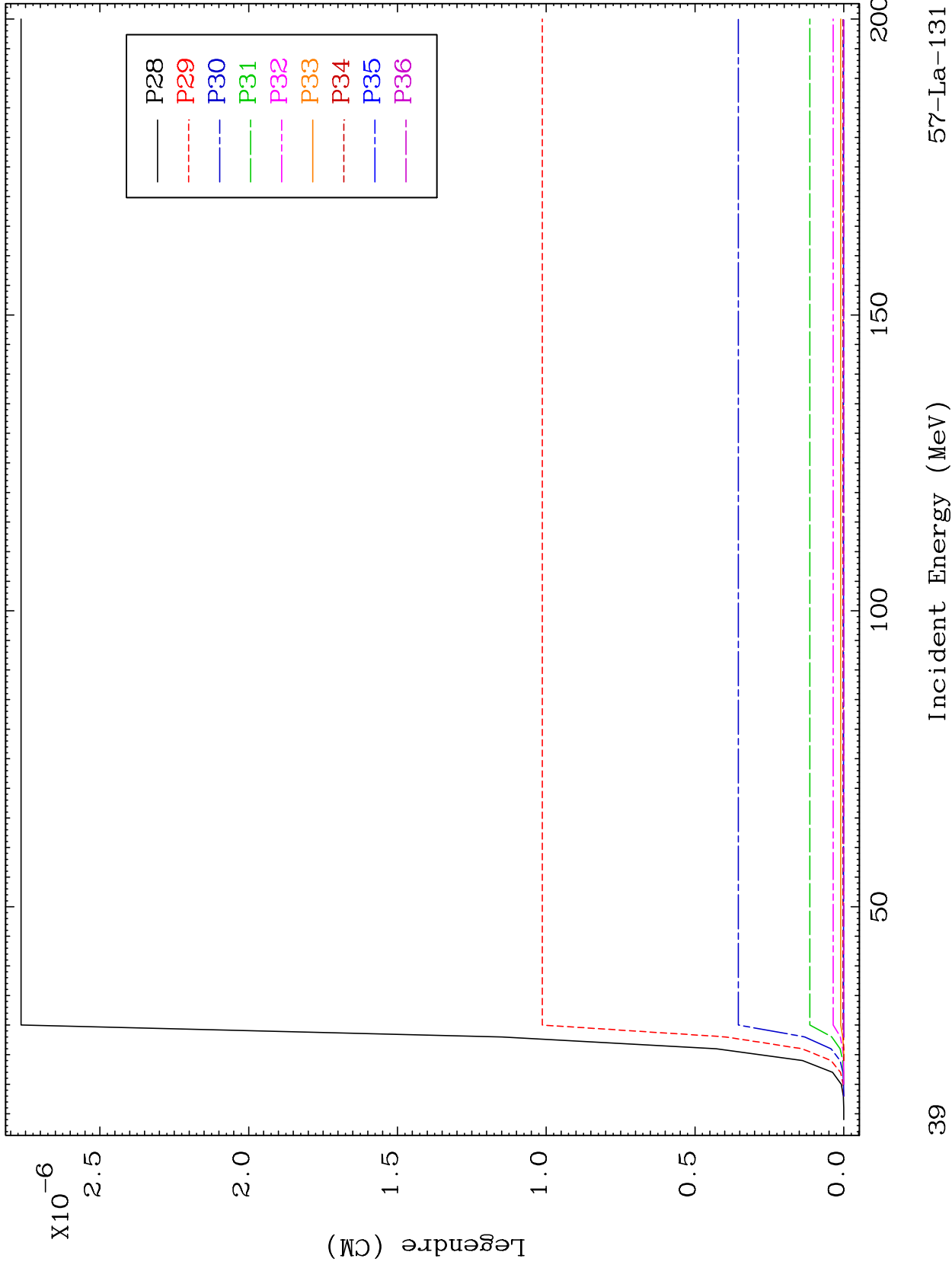




MAT 5704

267.9 keV (n,n') Level  
Legendre Coefficients

57-La-131

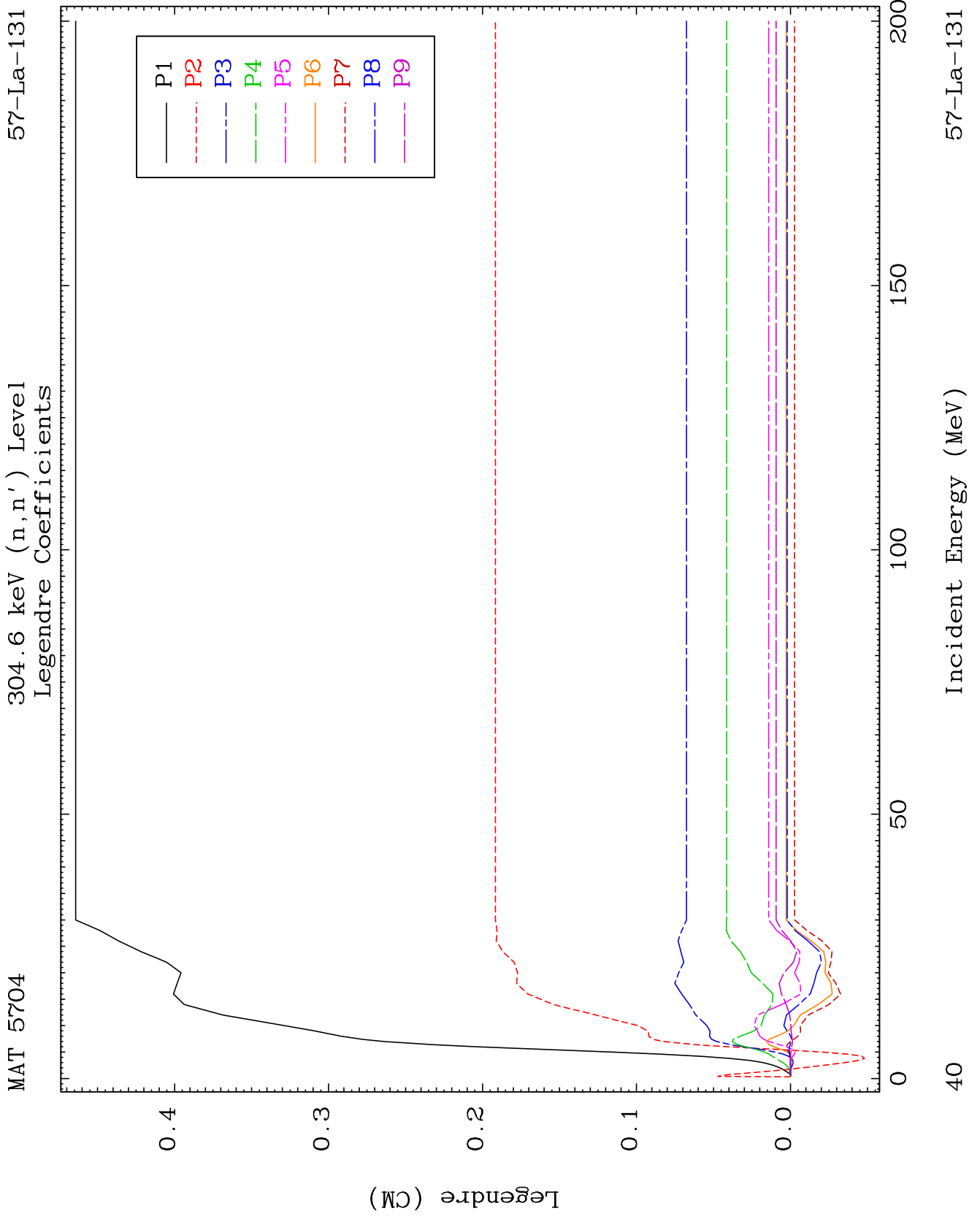


39

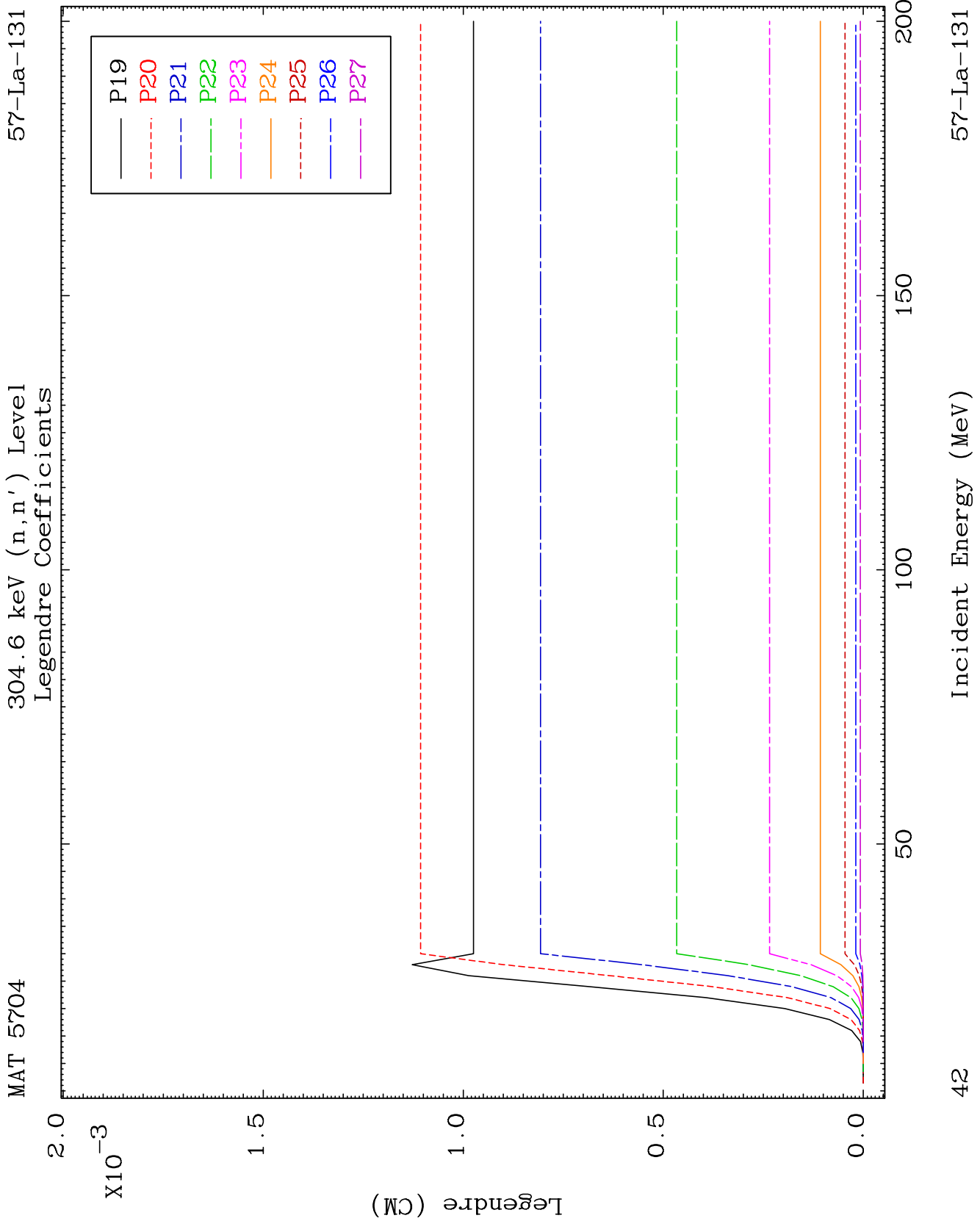
Incident Energy (MeV)

57-La-131





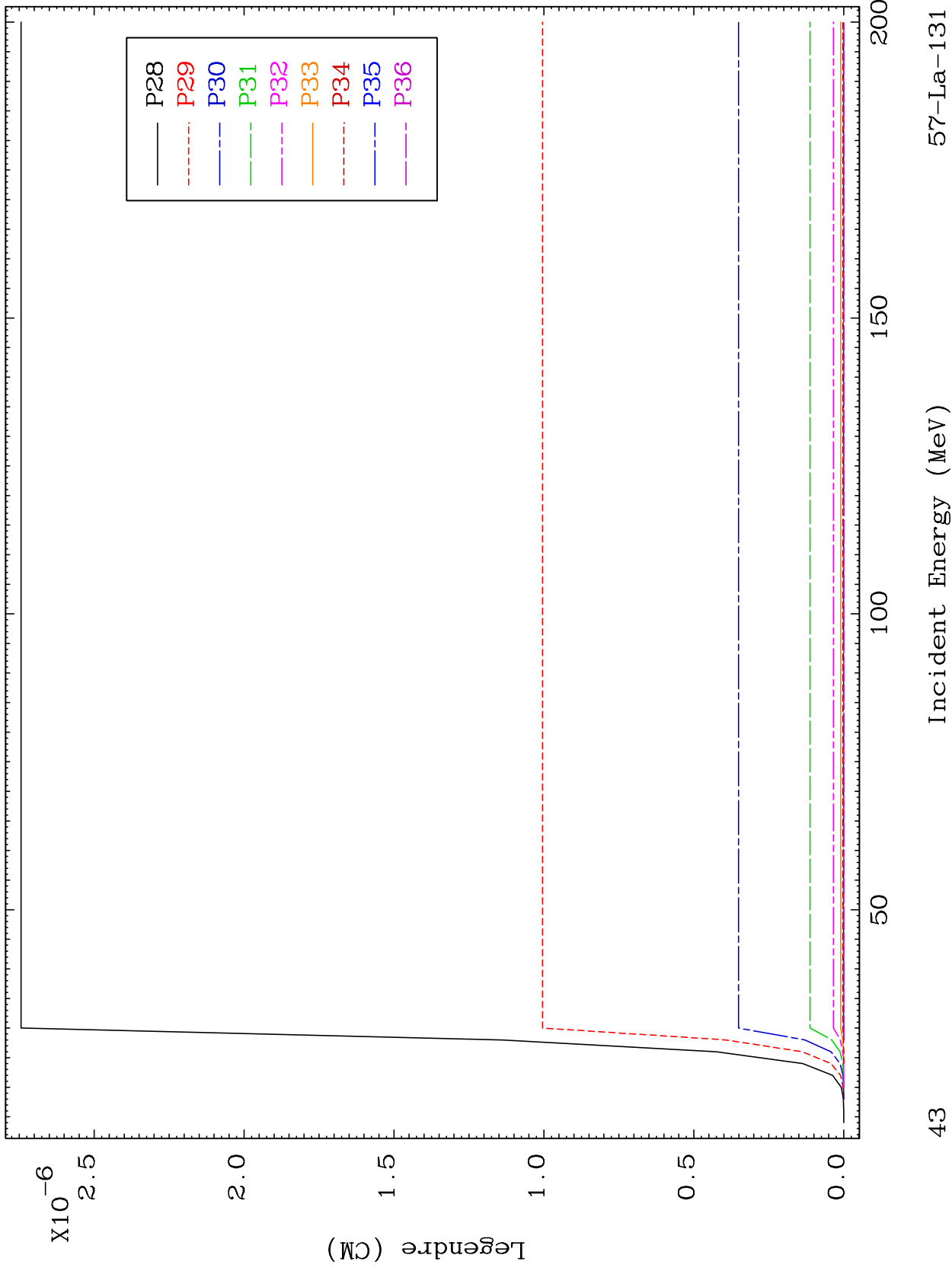




MAT 5704

304.6 keV (n,n') Level  
Legendre Coefficients

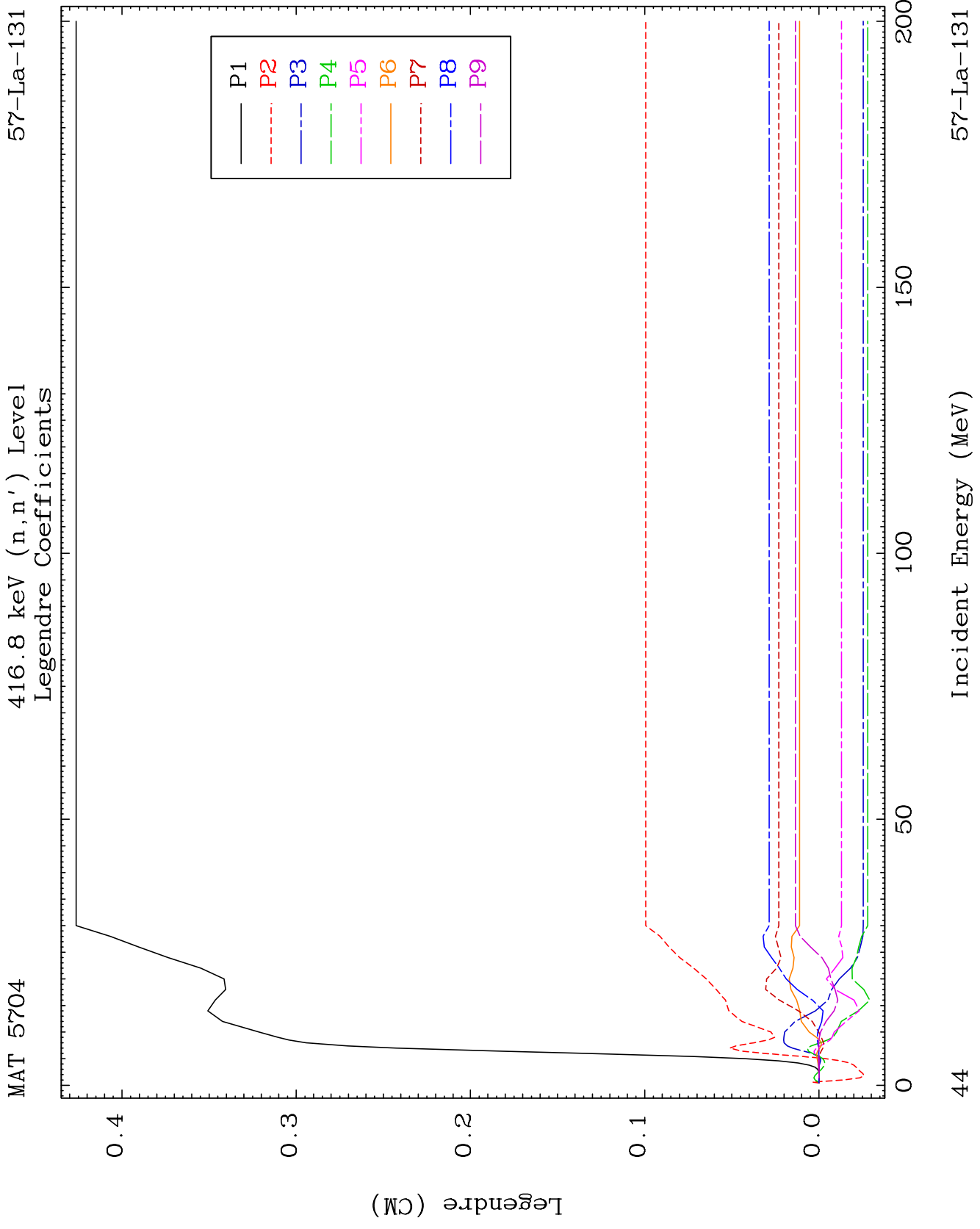
57-La-131

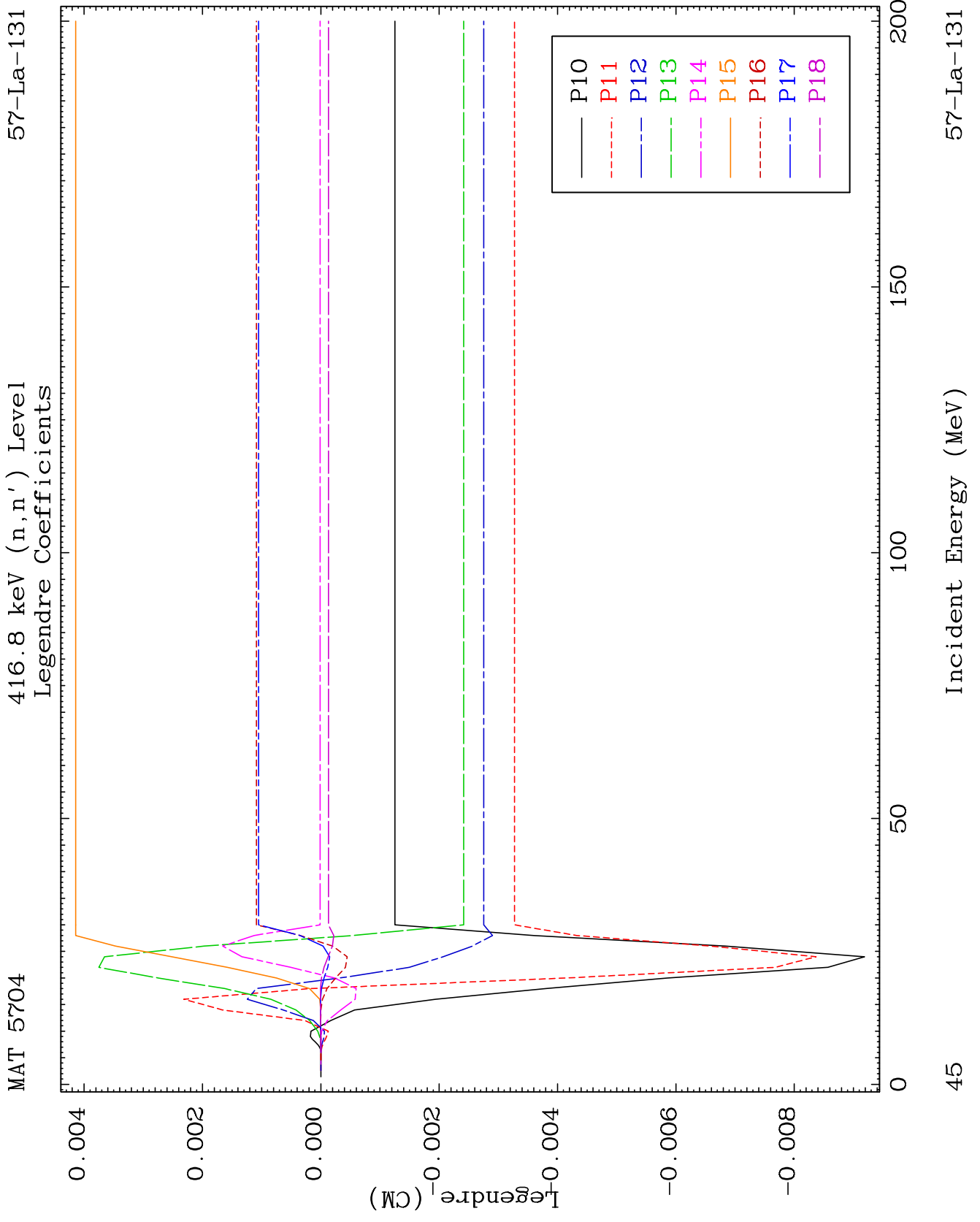


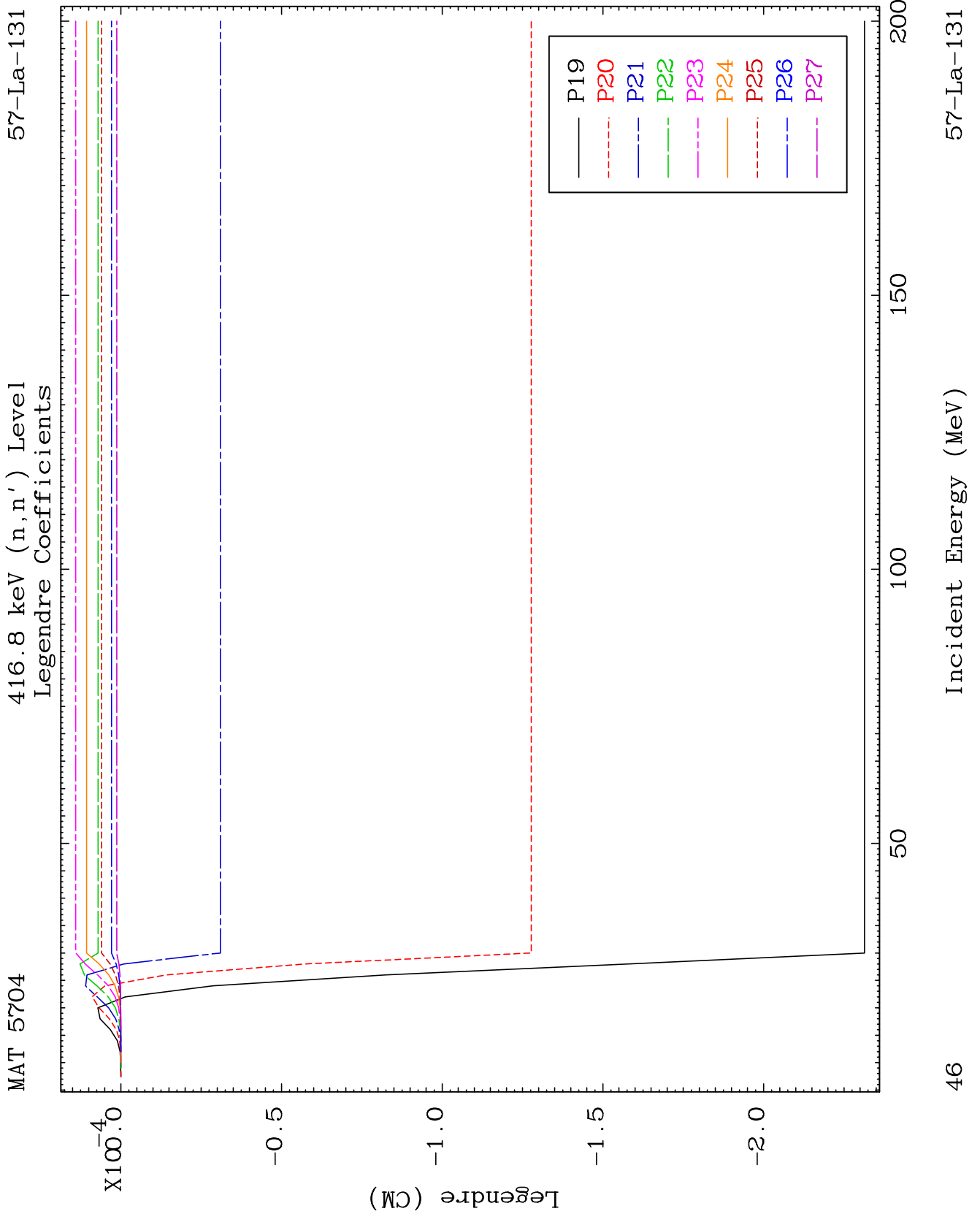
43

Incident Energy (MeV)

57-La-131



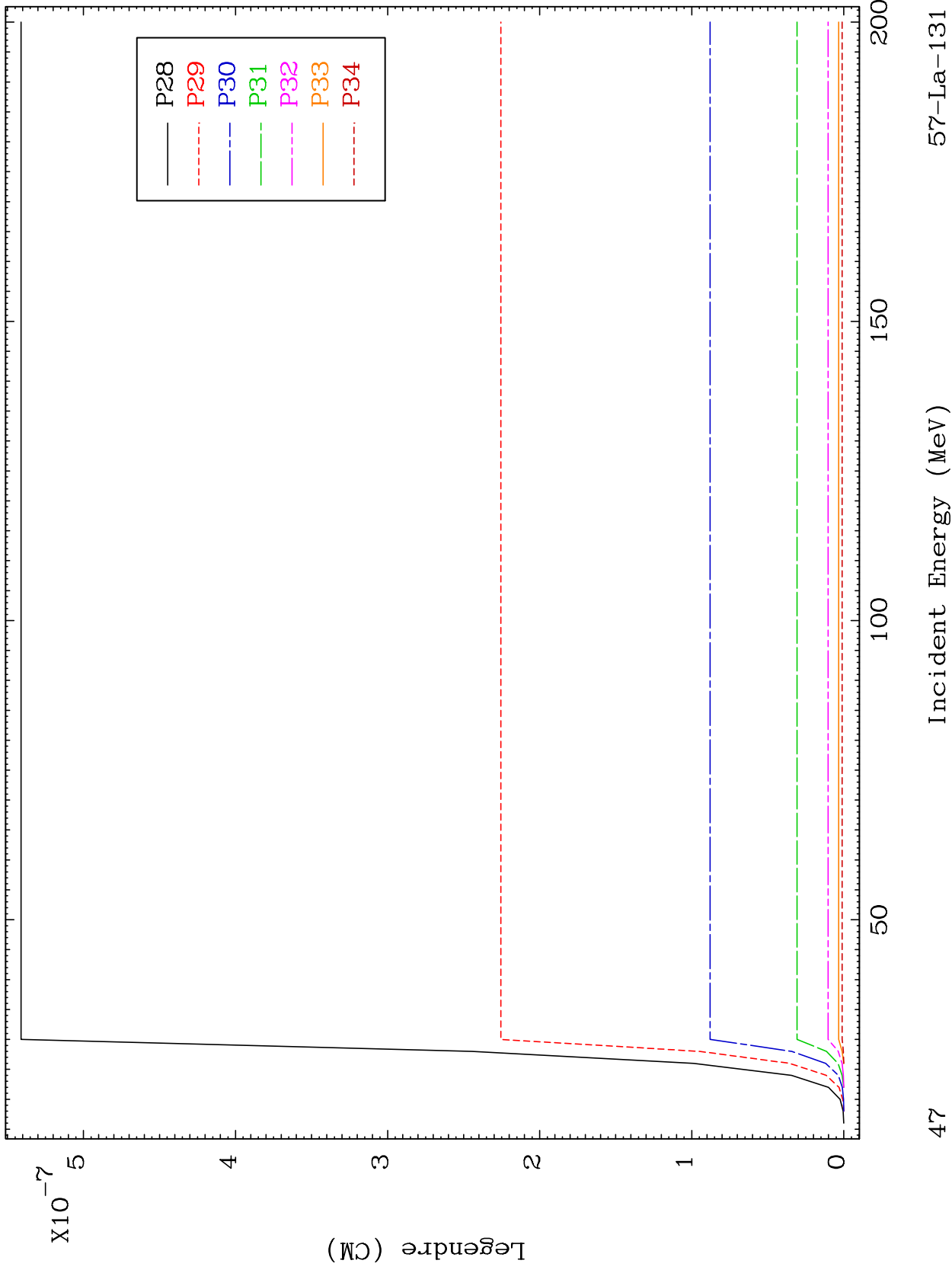




MAT 5704

416.8 keV (n,n') Level  
Legendre Coefficients

57-La-131



47

Incident Energy (MeV)

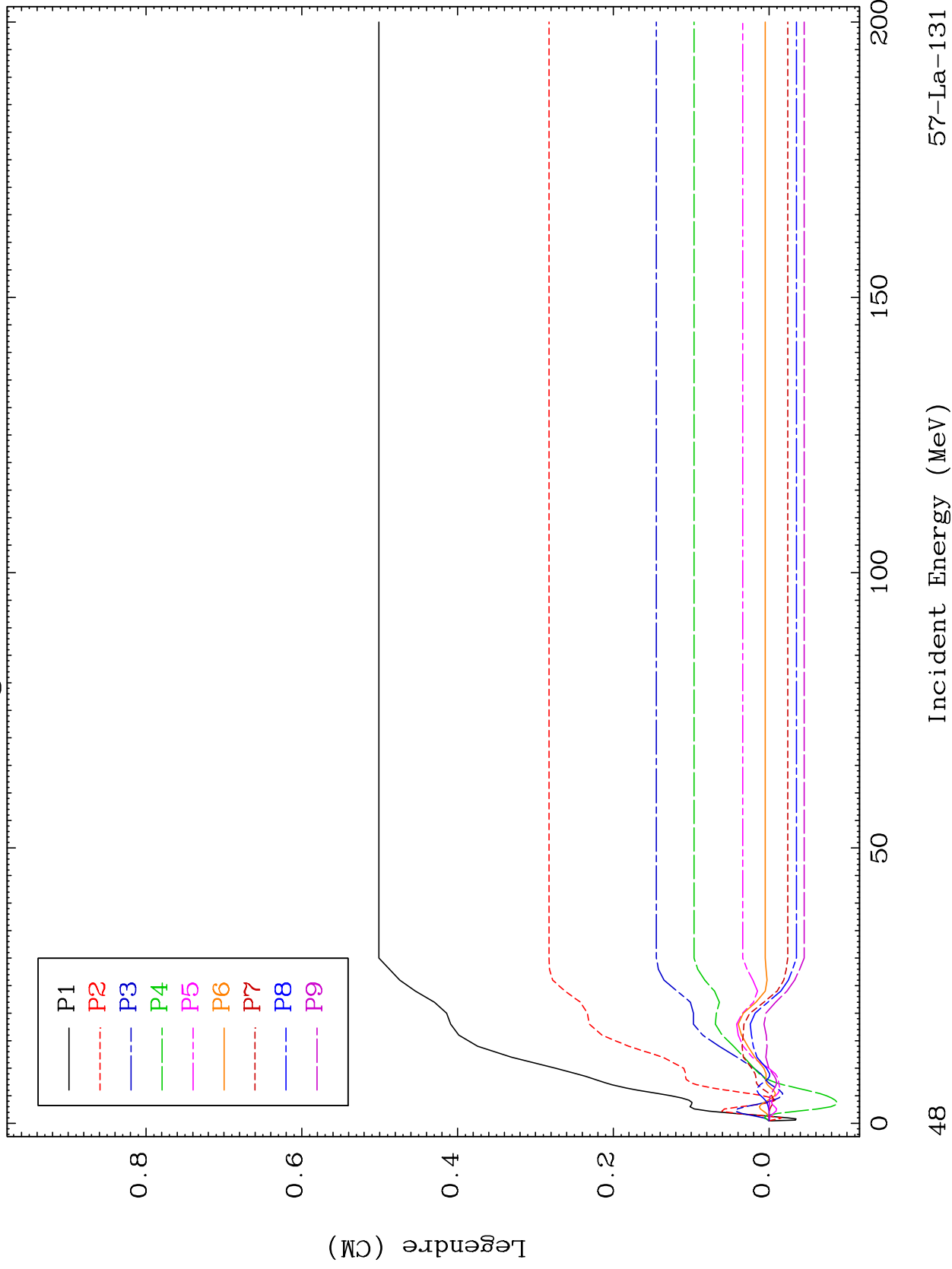
57-La-131



MAT 5704

421.6 keV (n,n') Level  
Legendre Coefficients

57-La-131

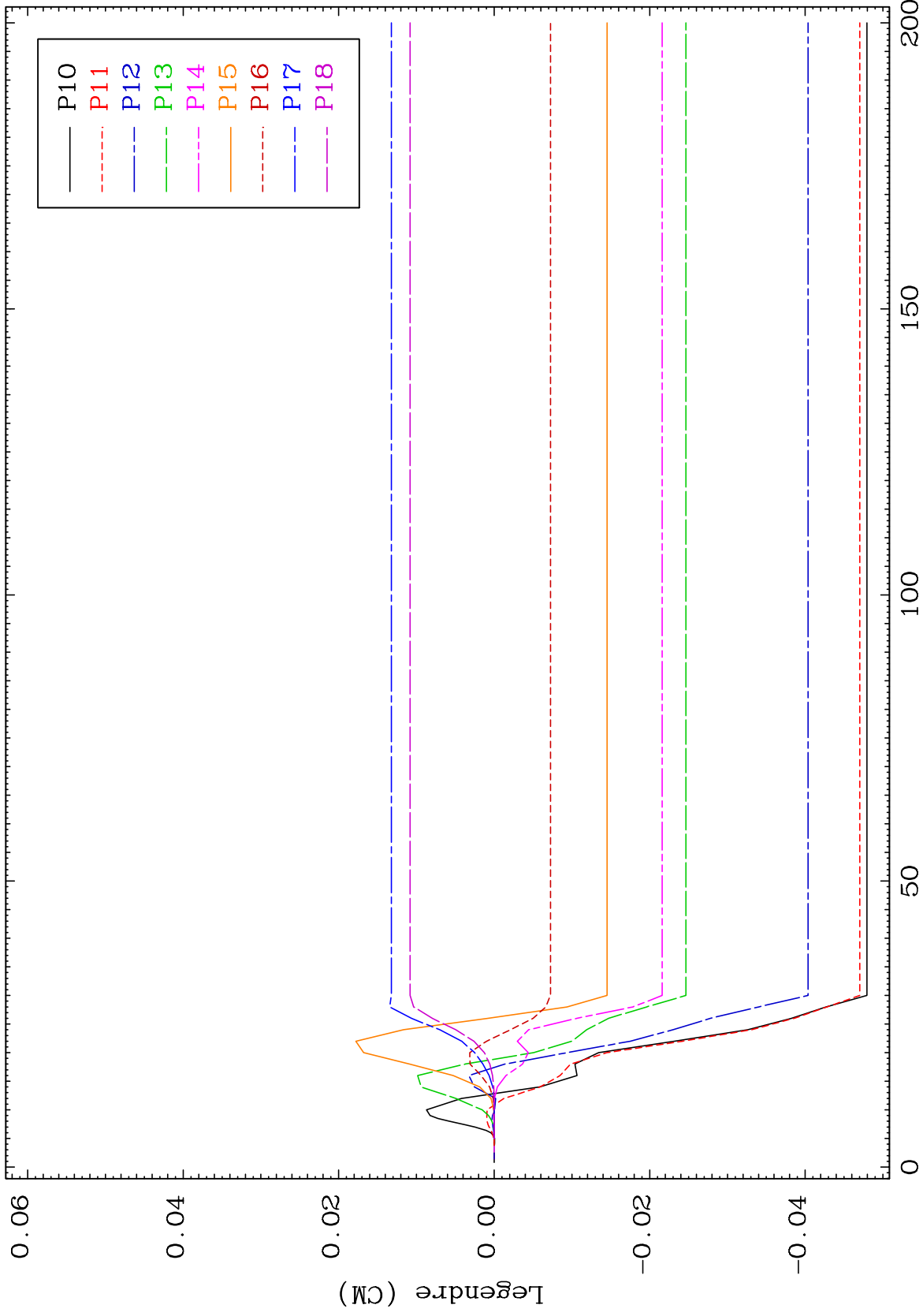


48

MAT 5704

421.6 keV (n,n') Level  
Legendre Coefficients

57-La-131



49

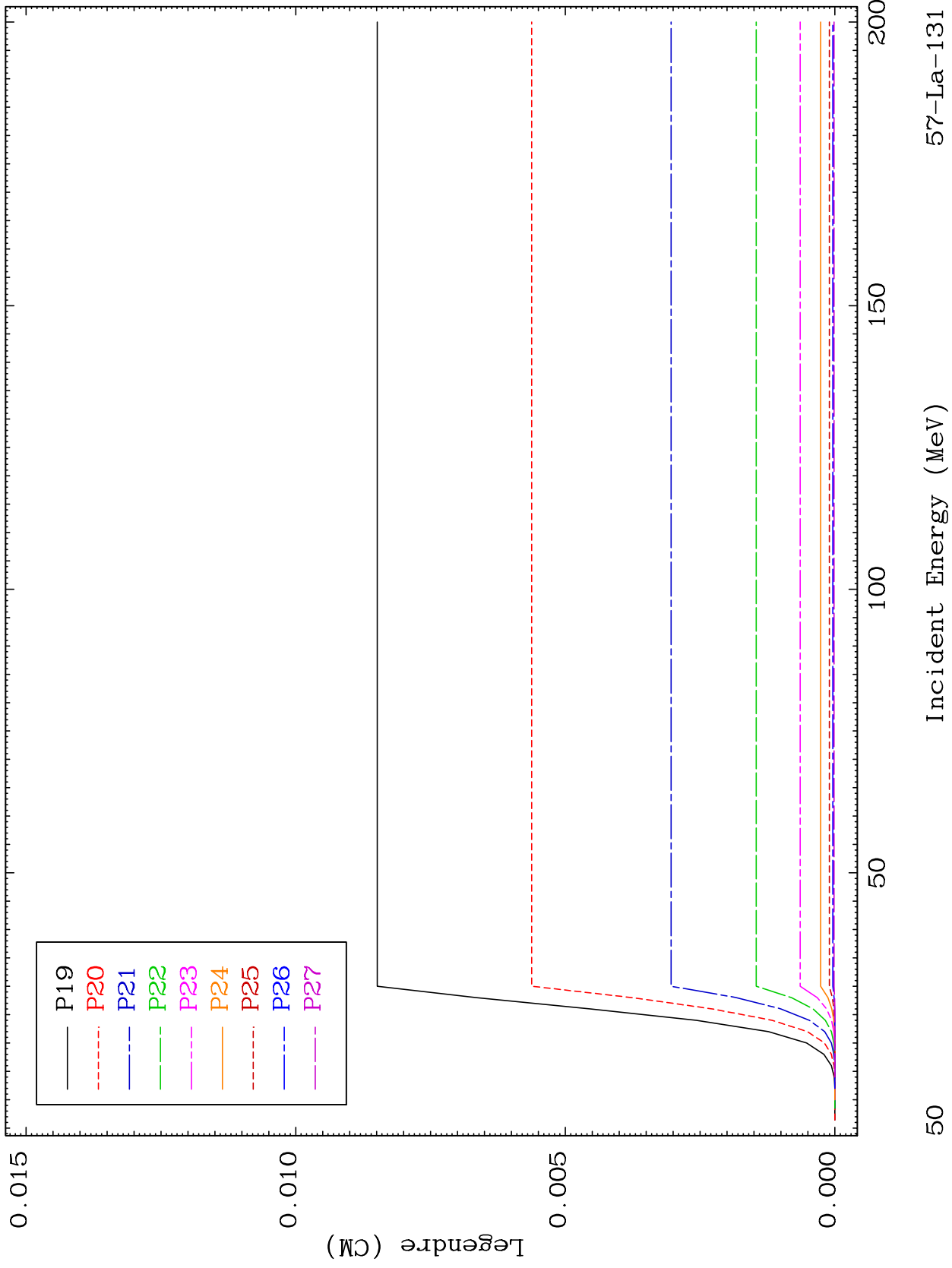
Incident Energy (MeV)

57-La-131

MAT 5704

421.6 keV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

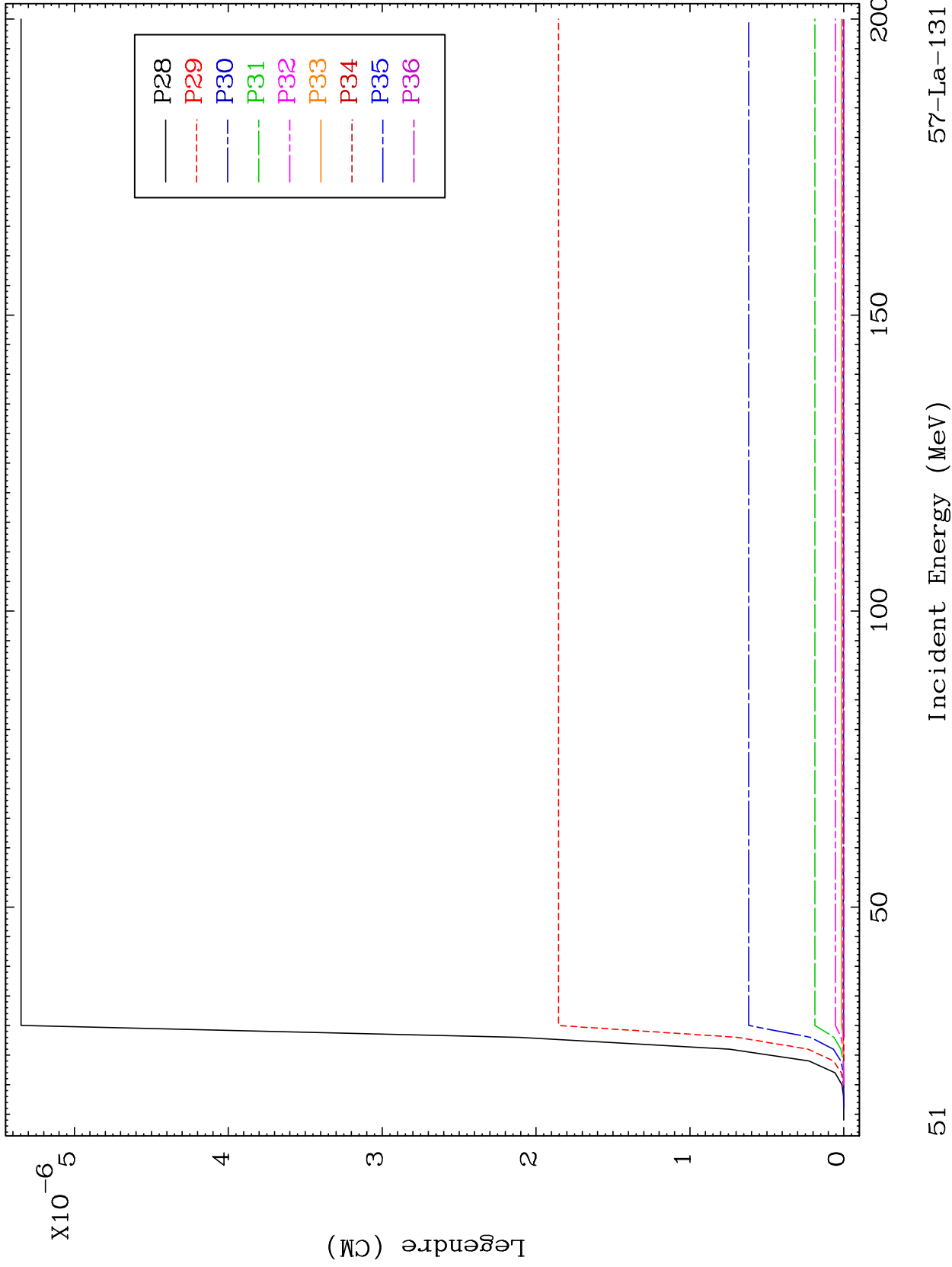
Incident Energy (MeV)

50

MAT 5704

421.6 keV (n,n') Level  
Legendre Coefficients

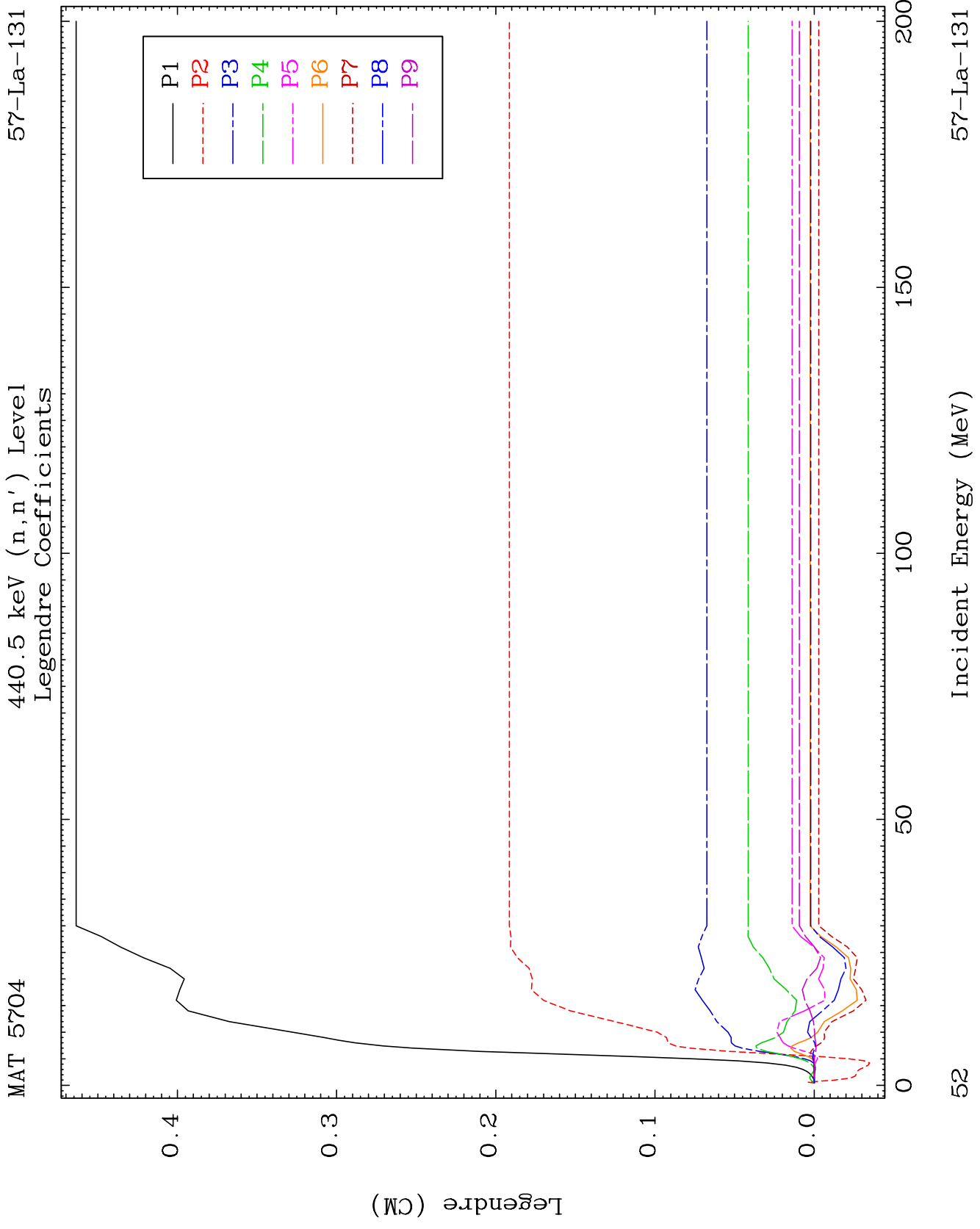
57-La-131

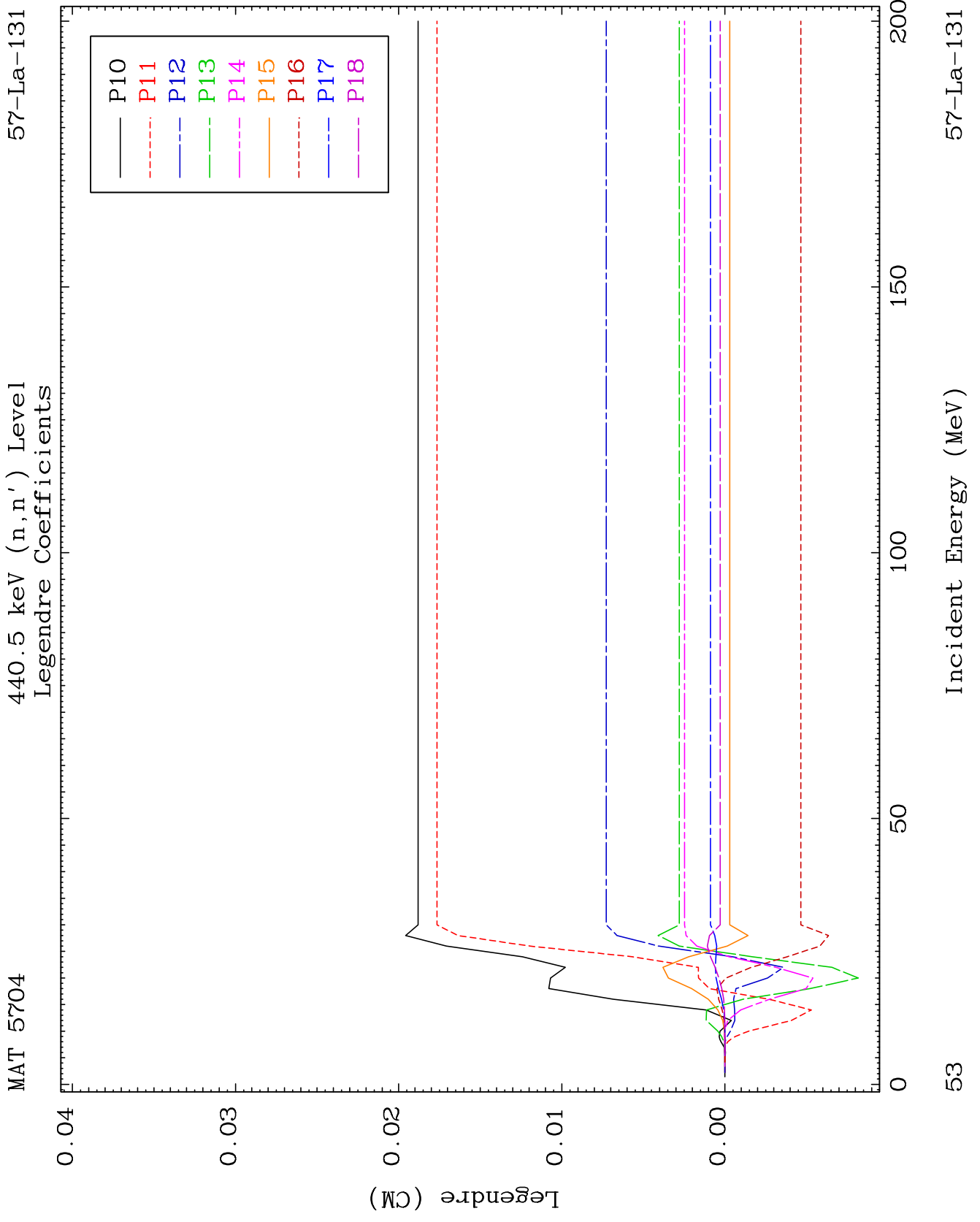


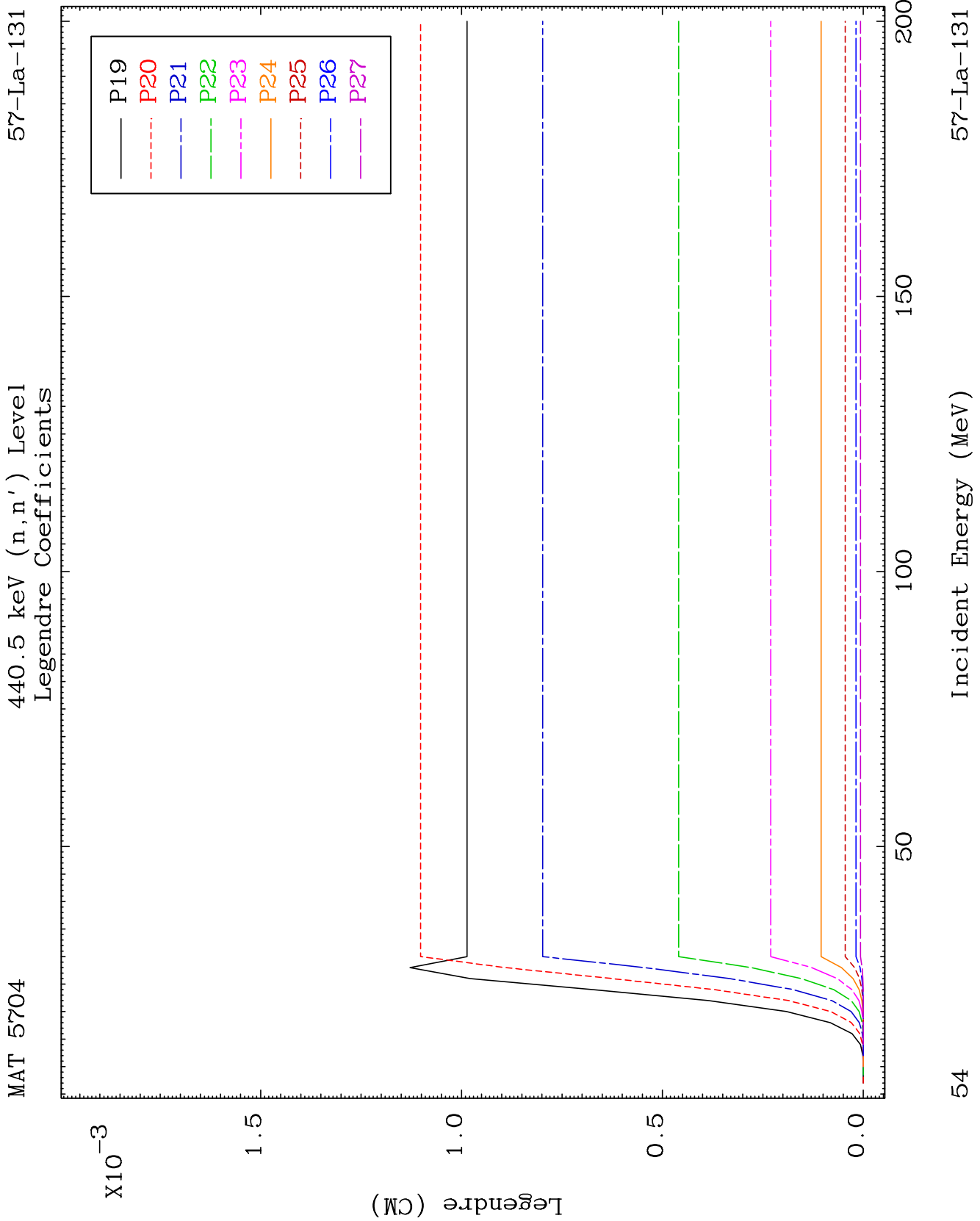
51

Incident Energy (MeV)

57-La-131



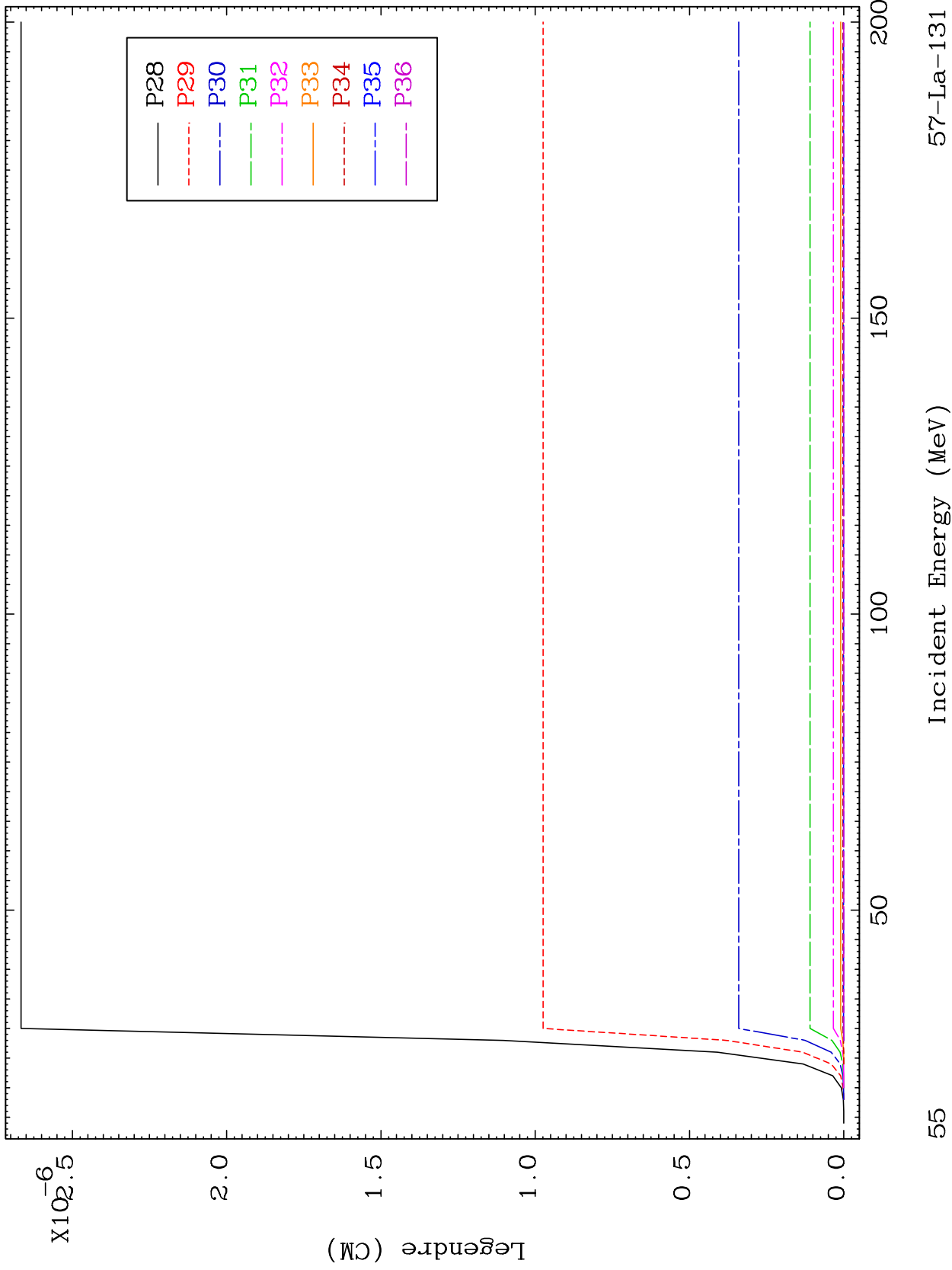




MAT 5704

440.5 keV (n,n') Level  
Legendre Coefficients

57-La-131

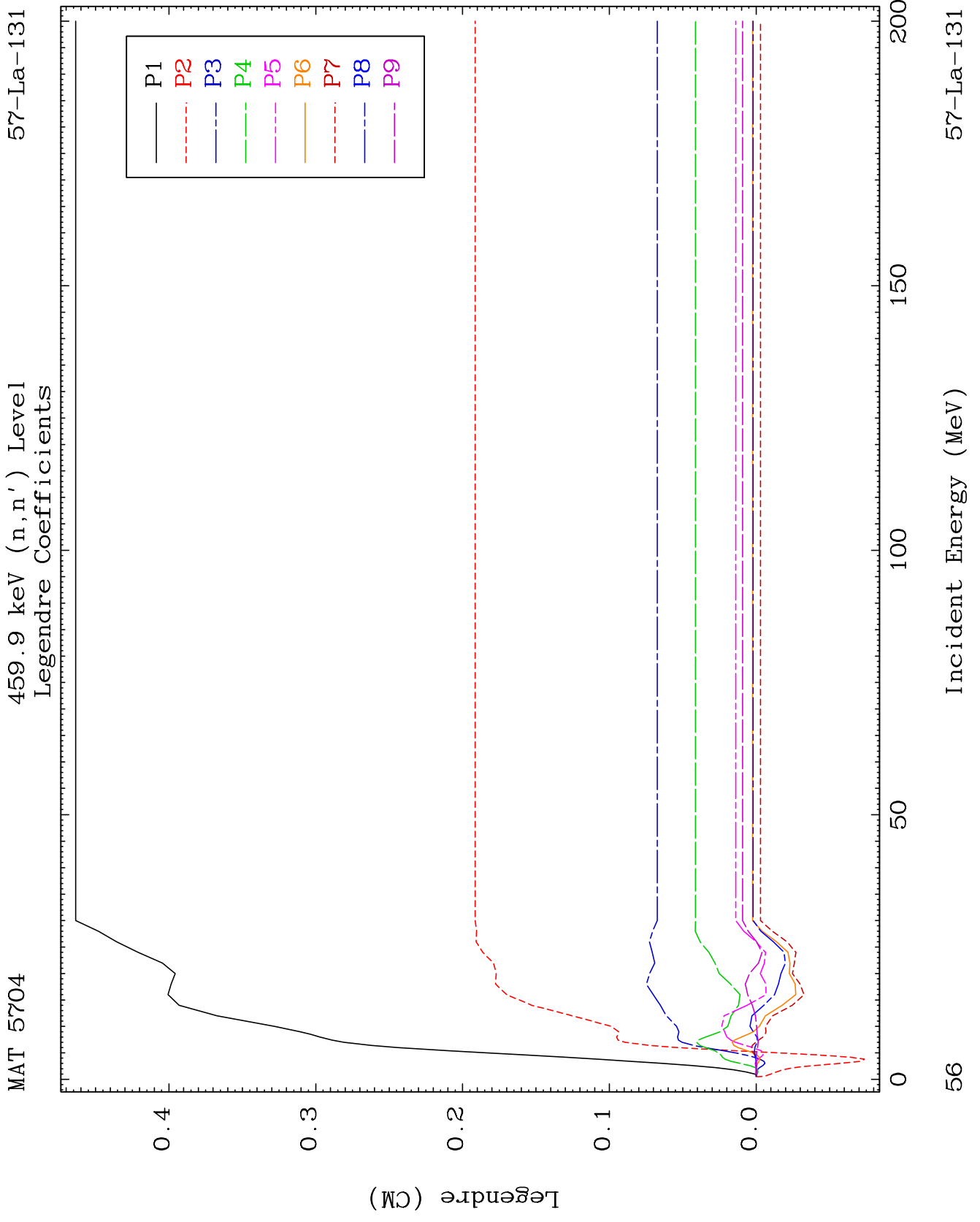


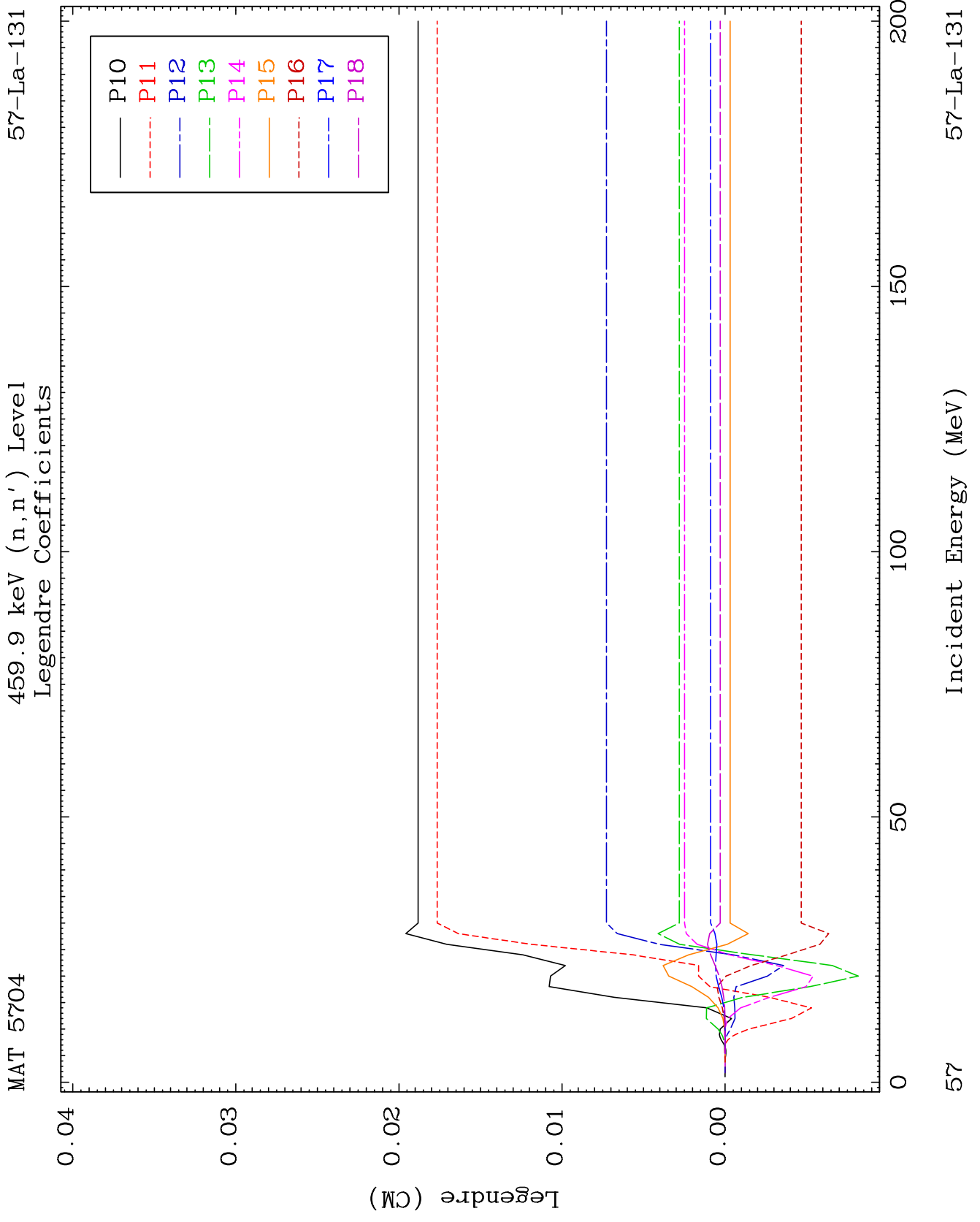
57-La-131

Incident Energy (MeV)

55



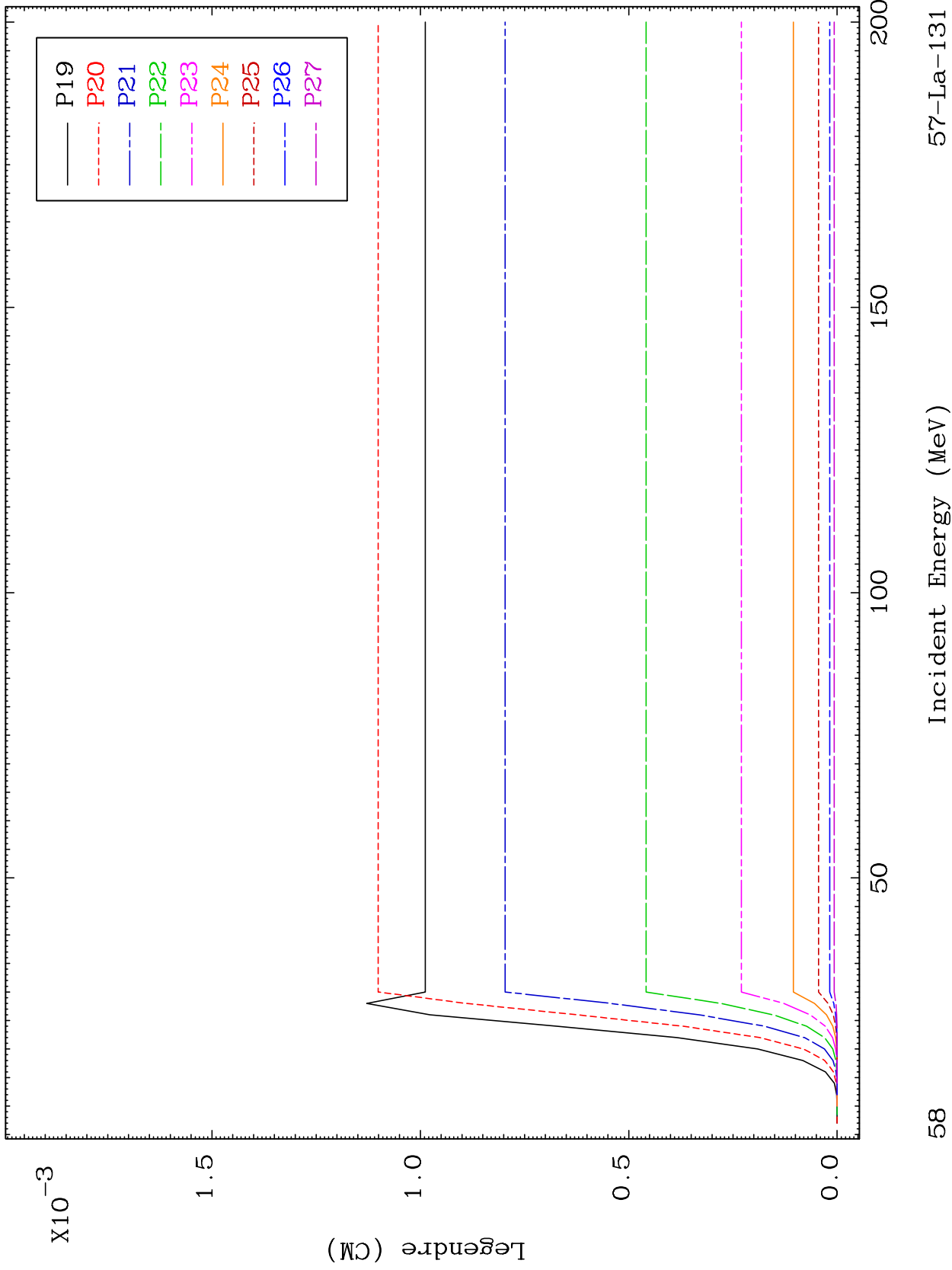




MAT 5704

459.9 keV (n,n') Level  
Legendre Coefficients

57-La-131



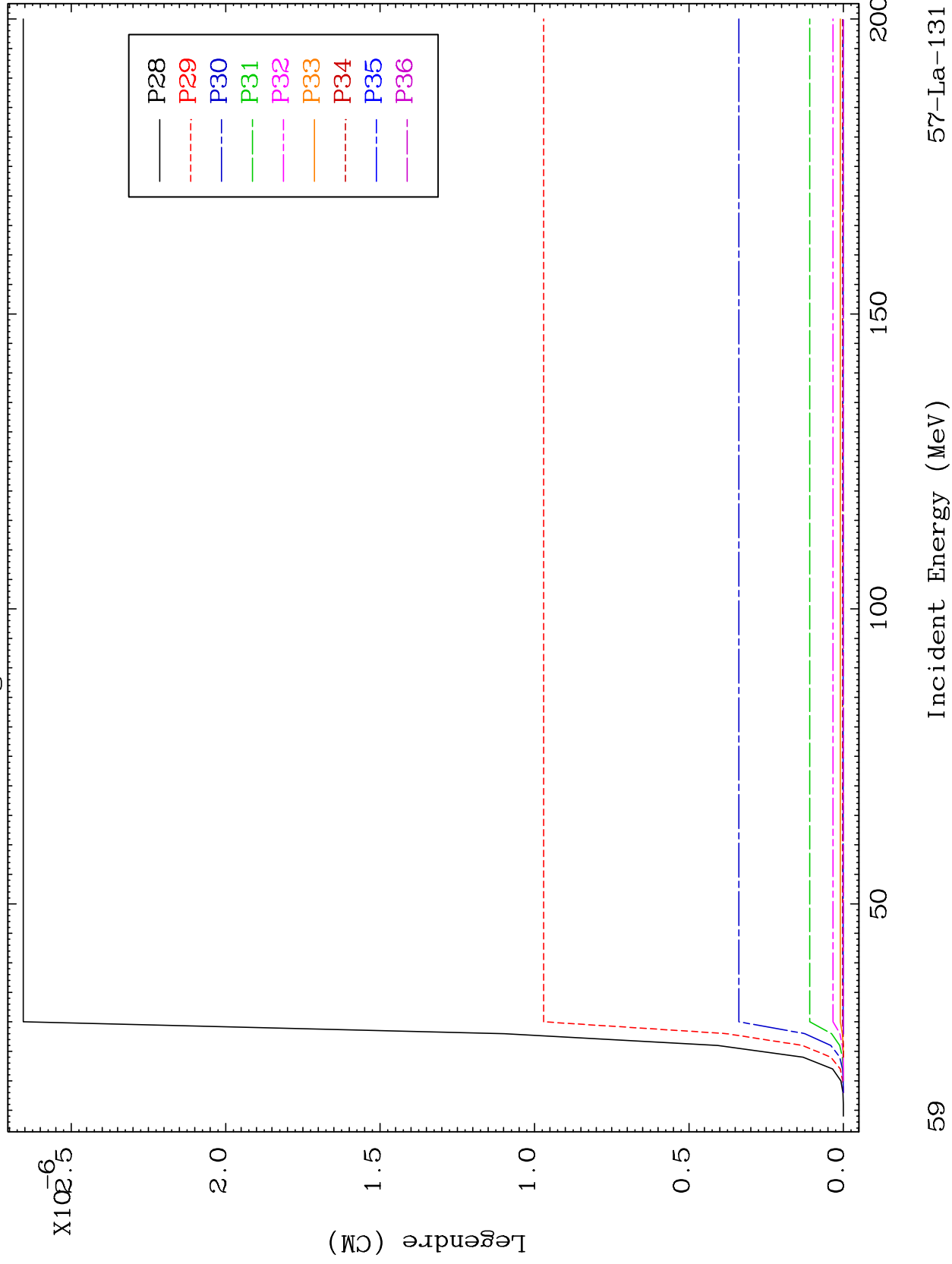
58

57-La-131

MAT 5704

459.9 keV (n, n') Level  
Legendre Coefficients

57-La-131



59

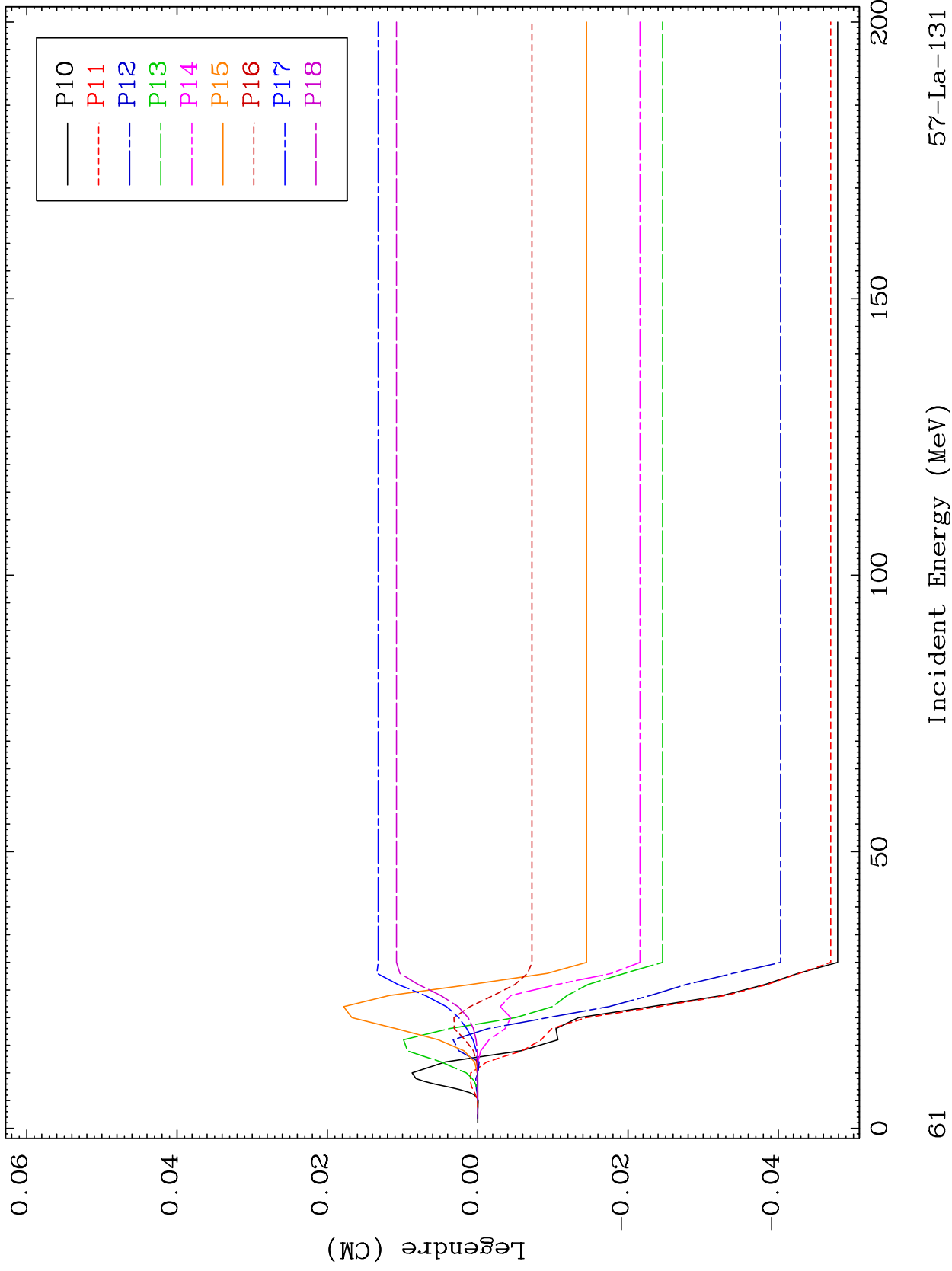
57-La-131



MAT 5704

463.0 keV (n,n') Level  
Legendre Coefficients

57-La-131



61

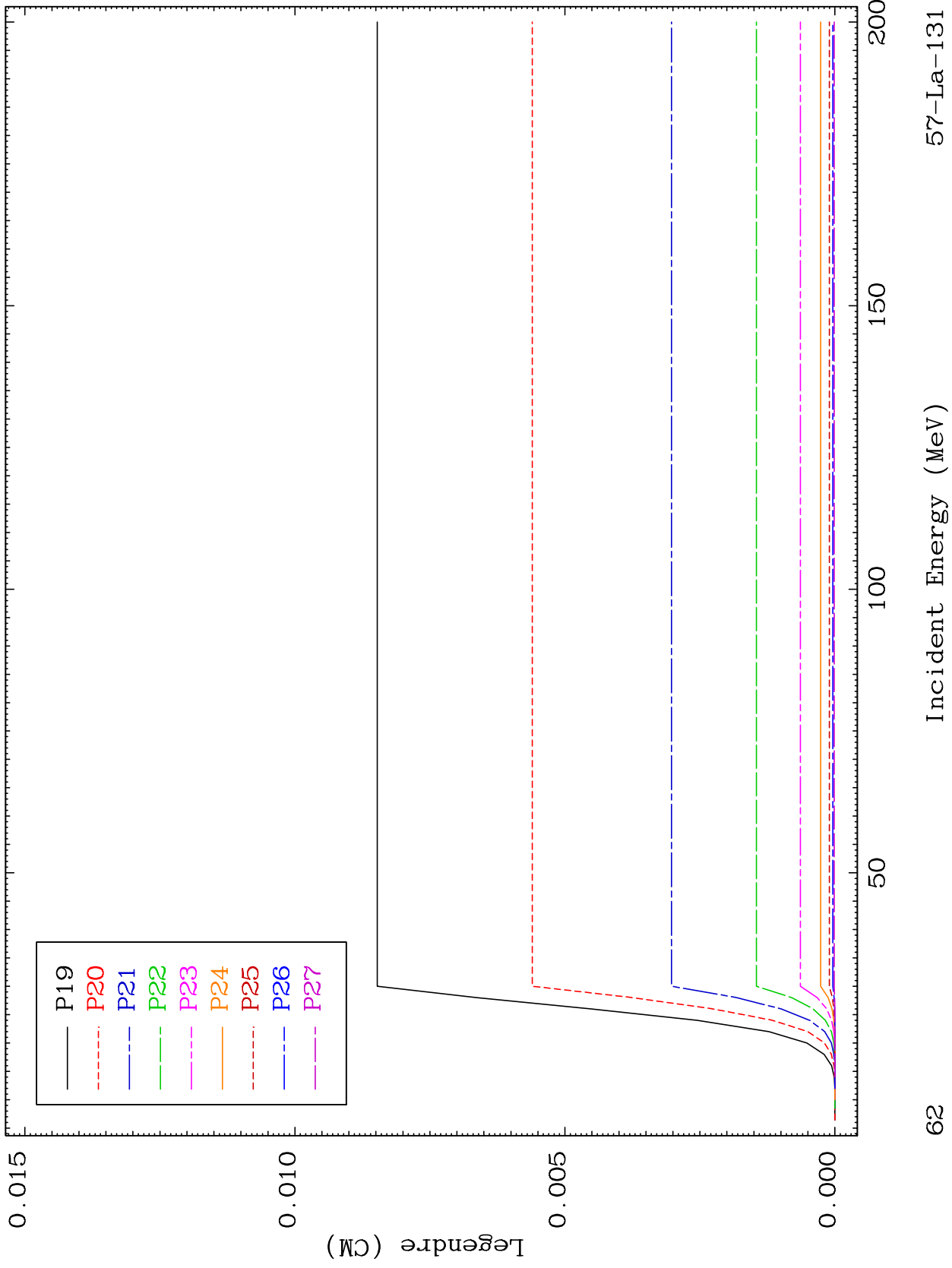
Incident Energy (MeV)

57-La-131

MAT 5704

463.0 keV (n,n') Level  
Legendre Coefficients

57-La-131



62

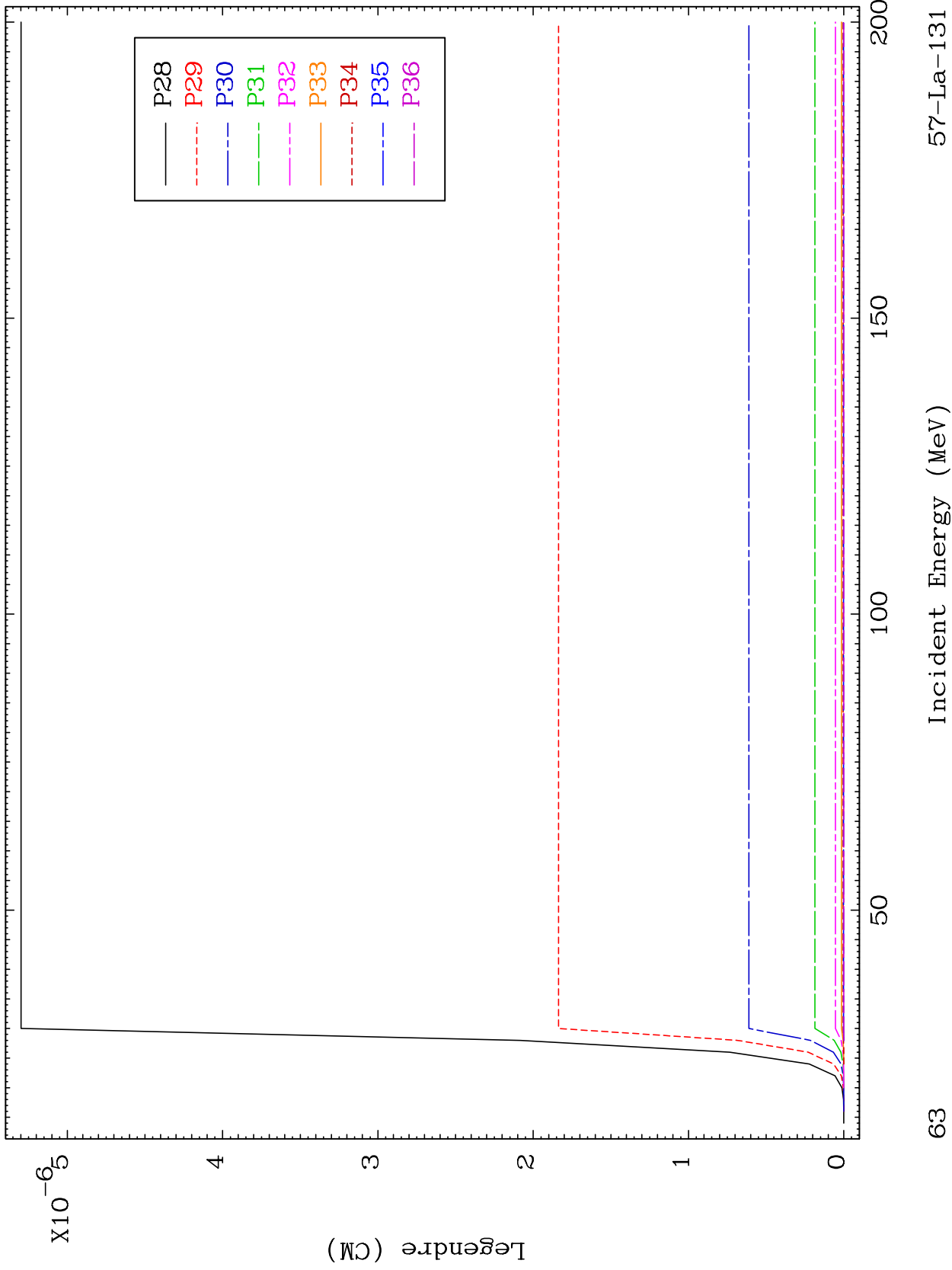
Incident Energy (MeV)

57-La-131

MAT 5704

463.0 keV (n,n') Level  
Legendre Coefficients

57-La-131



63

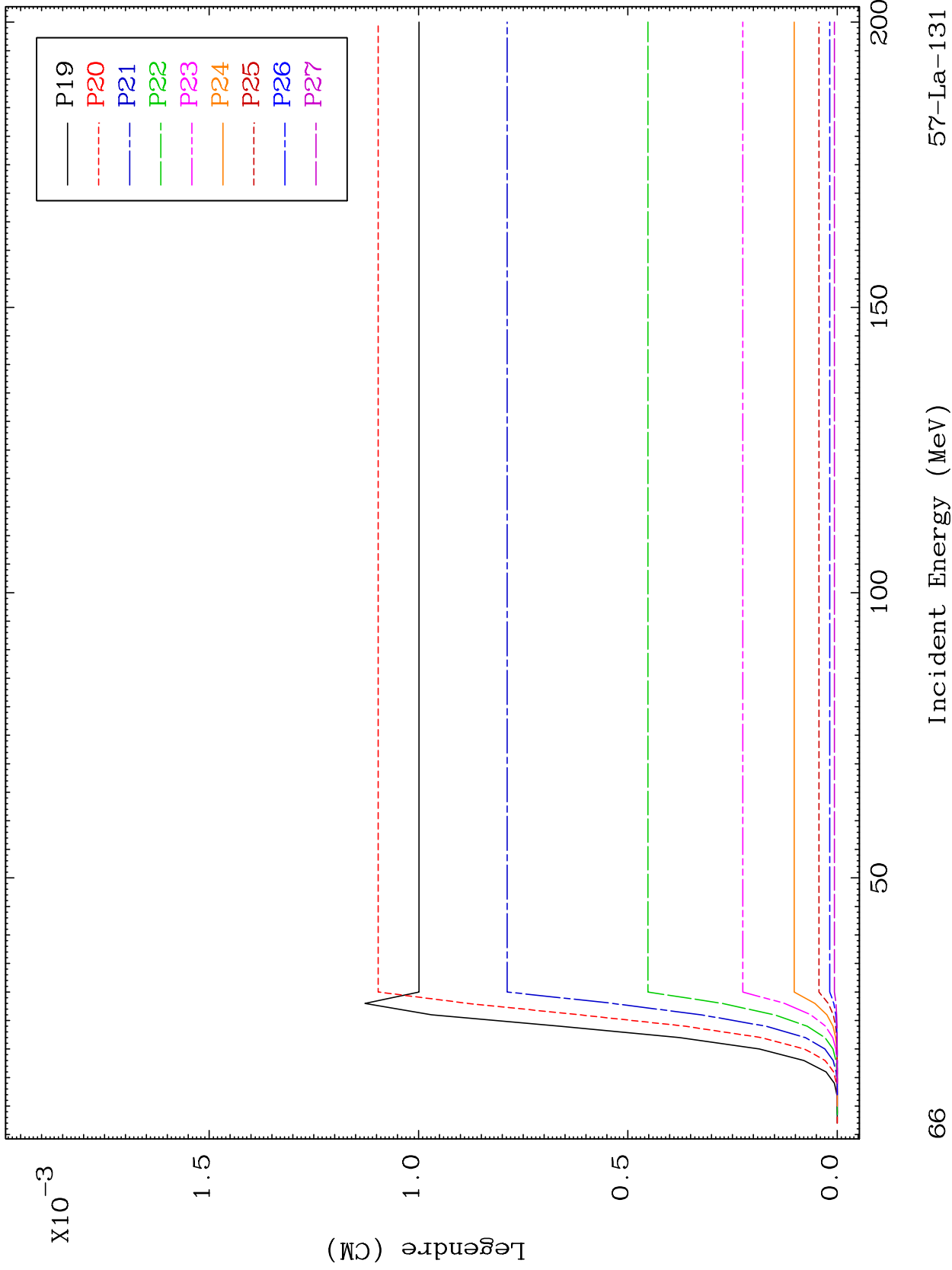
Incident Energy (MeV)

57-La-131





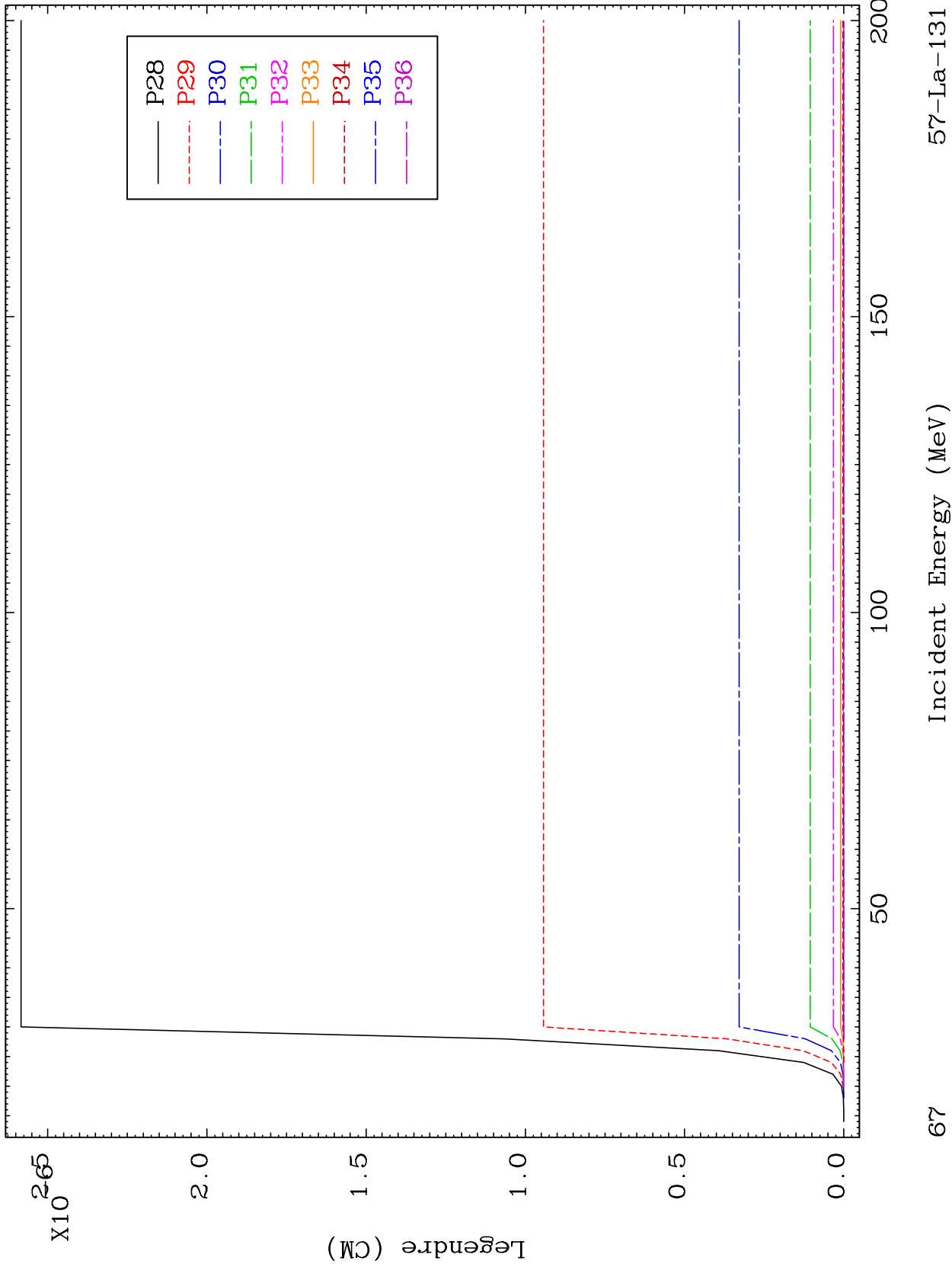




MAT 5704

588.1 keV (n,n') Level  
Legendre Coefficients

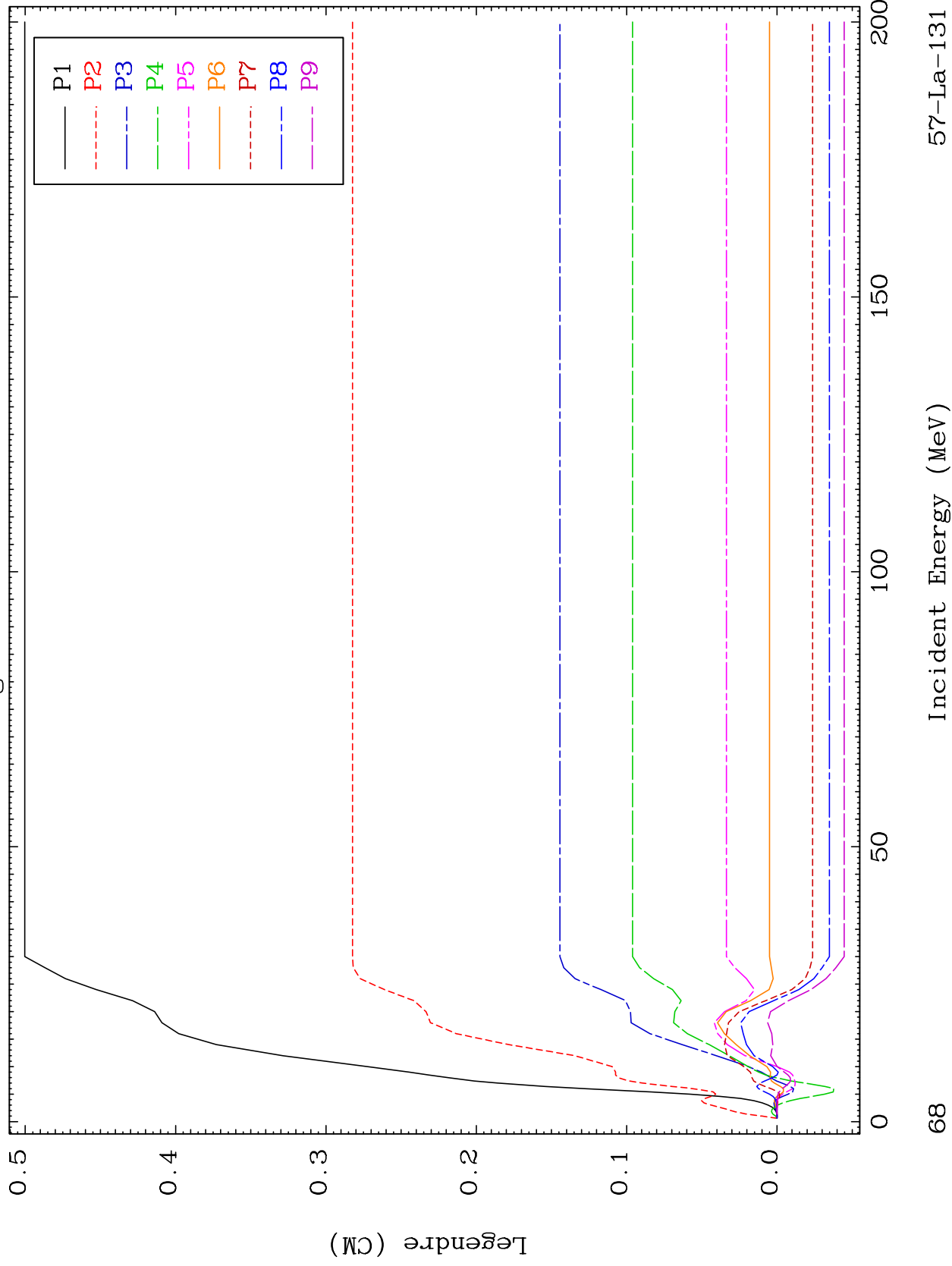
57-La-131



MAT 5704

595.1 keV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

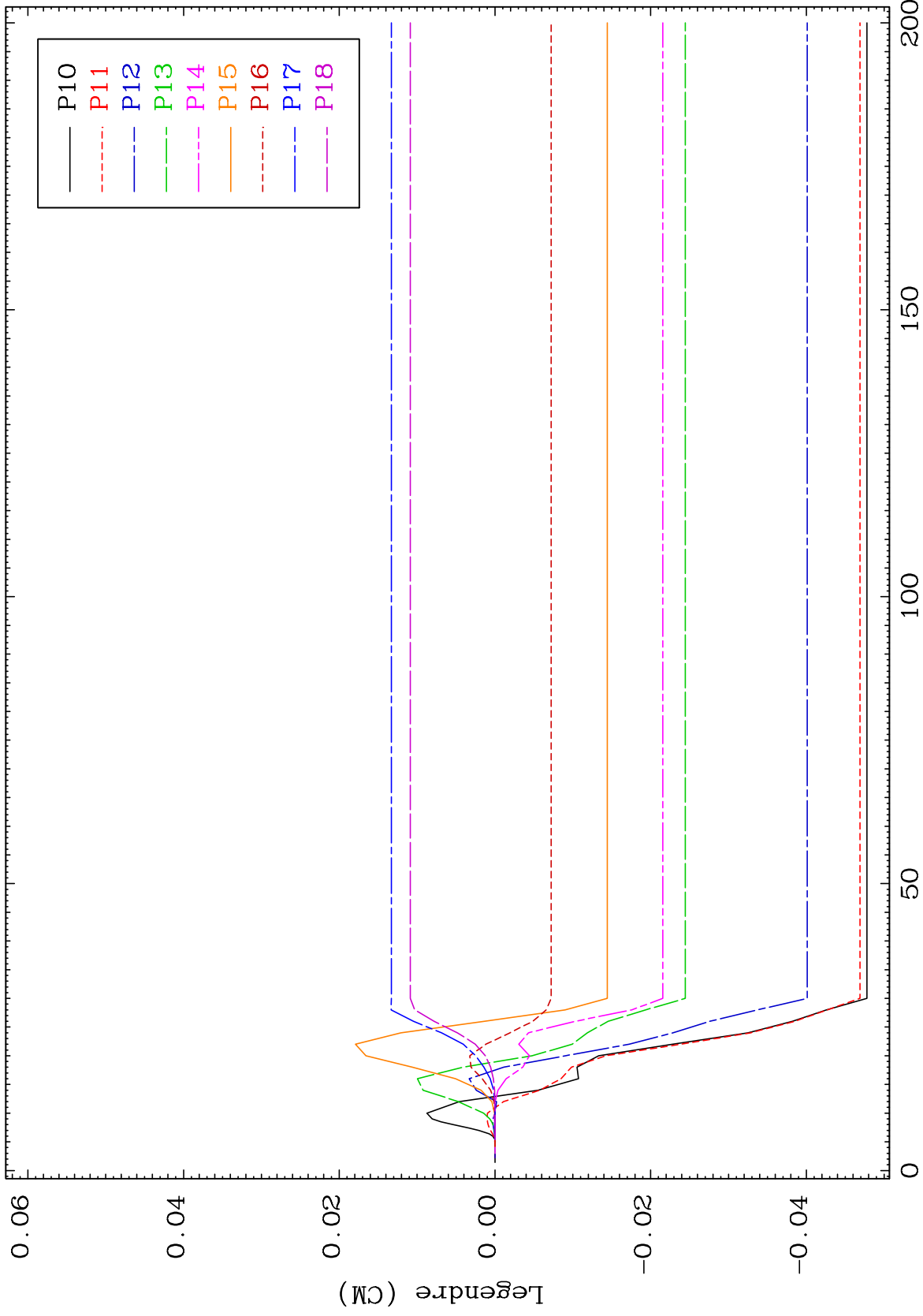
Incident Energy (MeV)

68

MAT 5704

595.1 keV (n,n') Level  
Legendre Coefficients

57-La-131



69

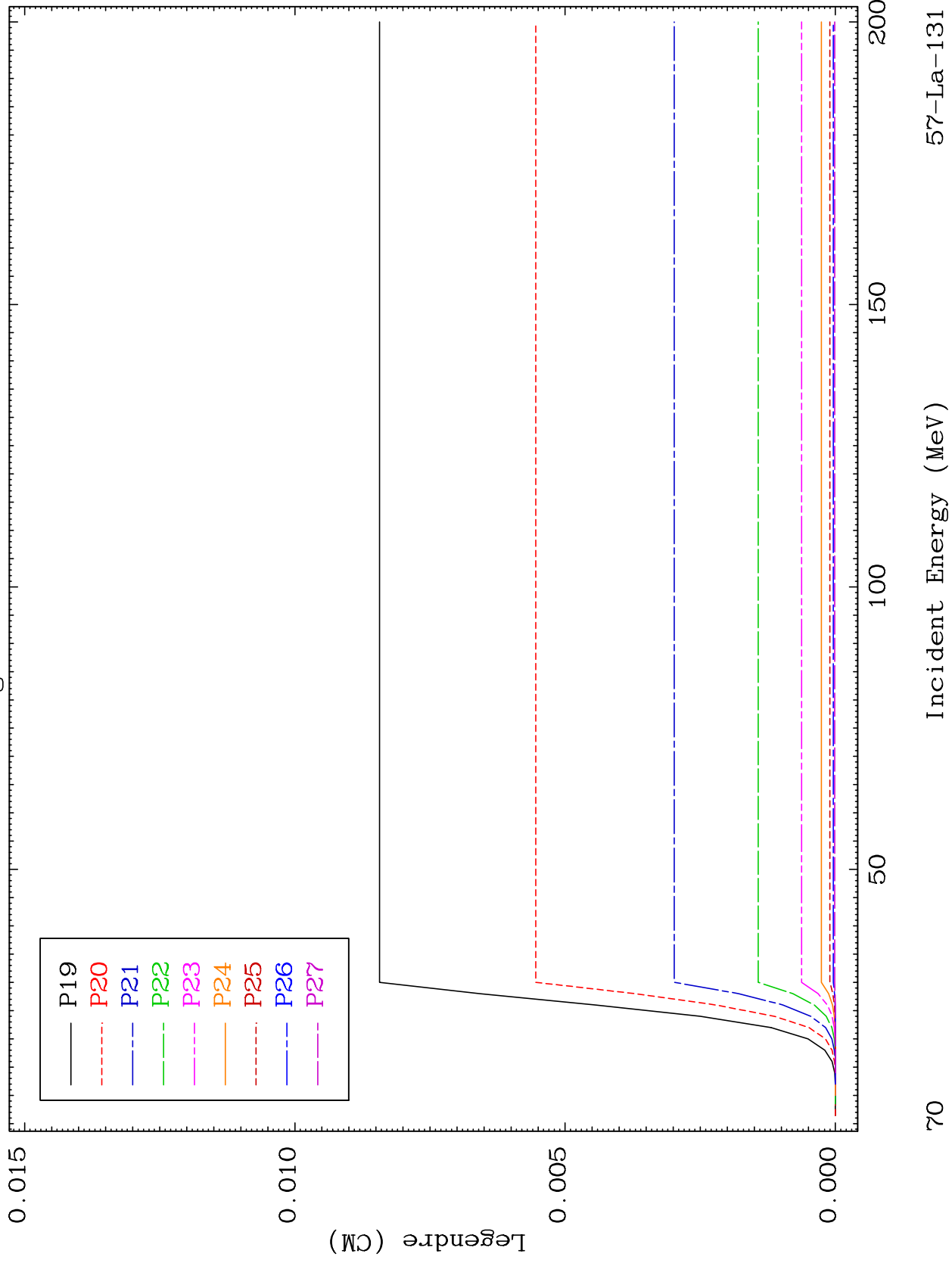
Incident Energy (MeV)

57-La-131

MAT 5704

595.1 keV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

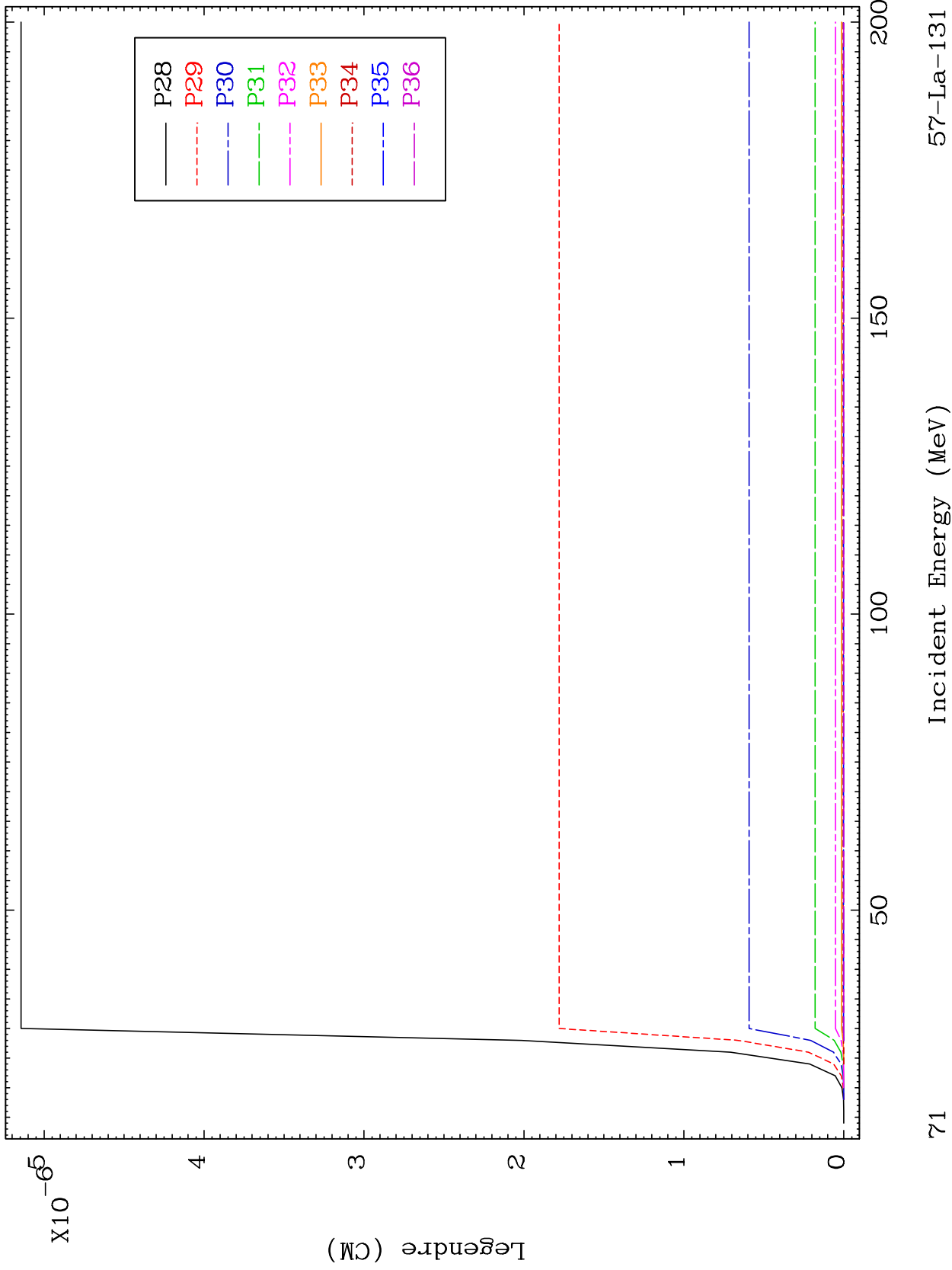
Incident Energy (MeV)

70

MAT 5704

595.1 keV (n, n') Level  
Legendre Coefficients

57-La-131

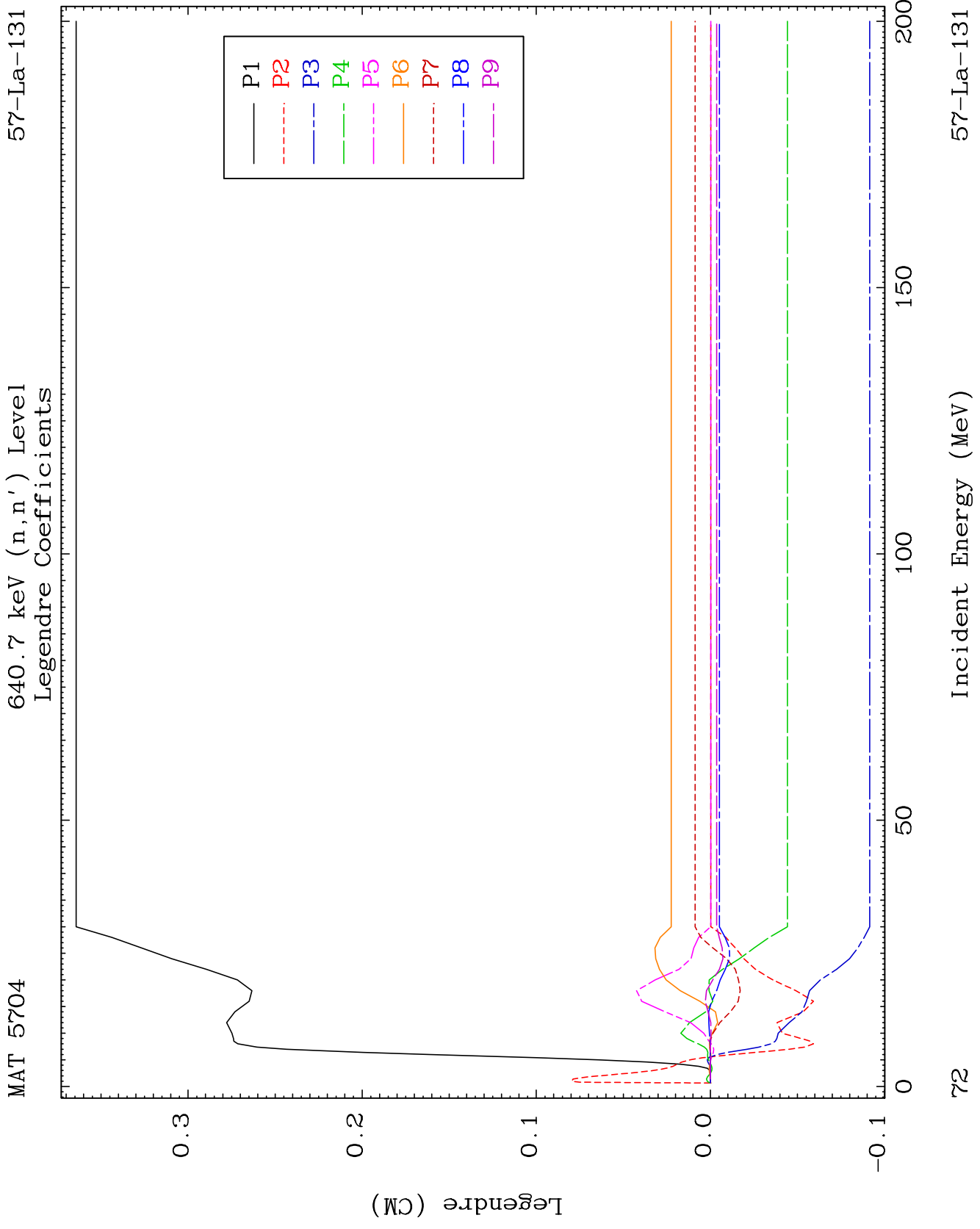


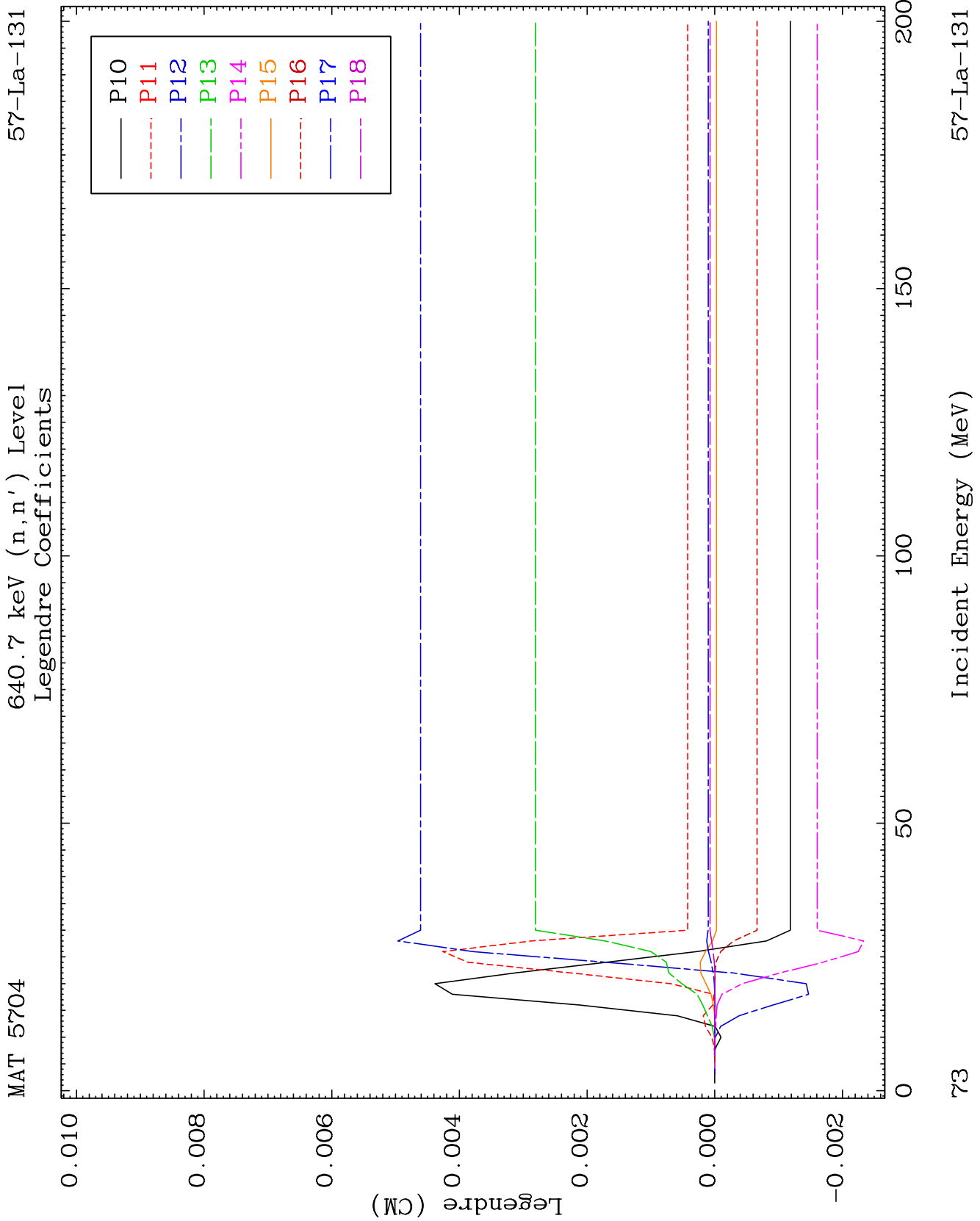
71

Incident Energy (MeV)

57-La-131



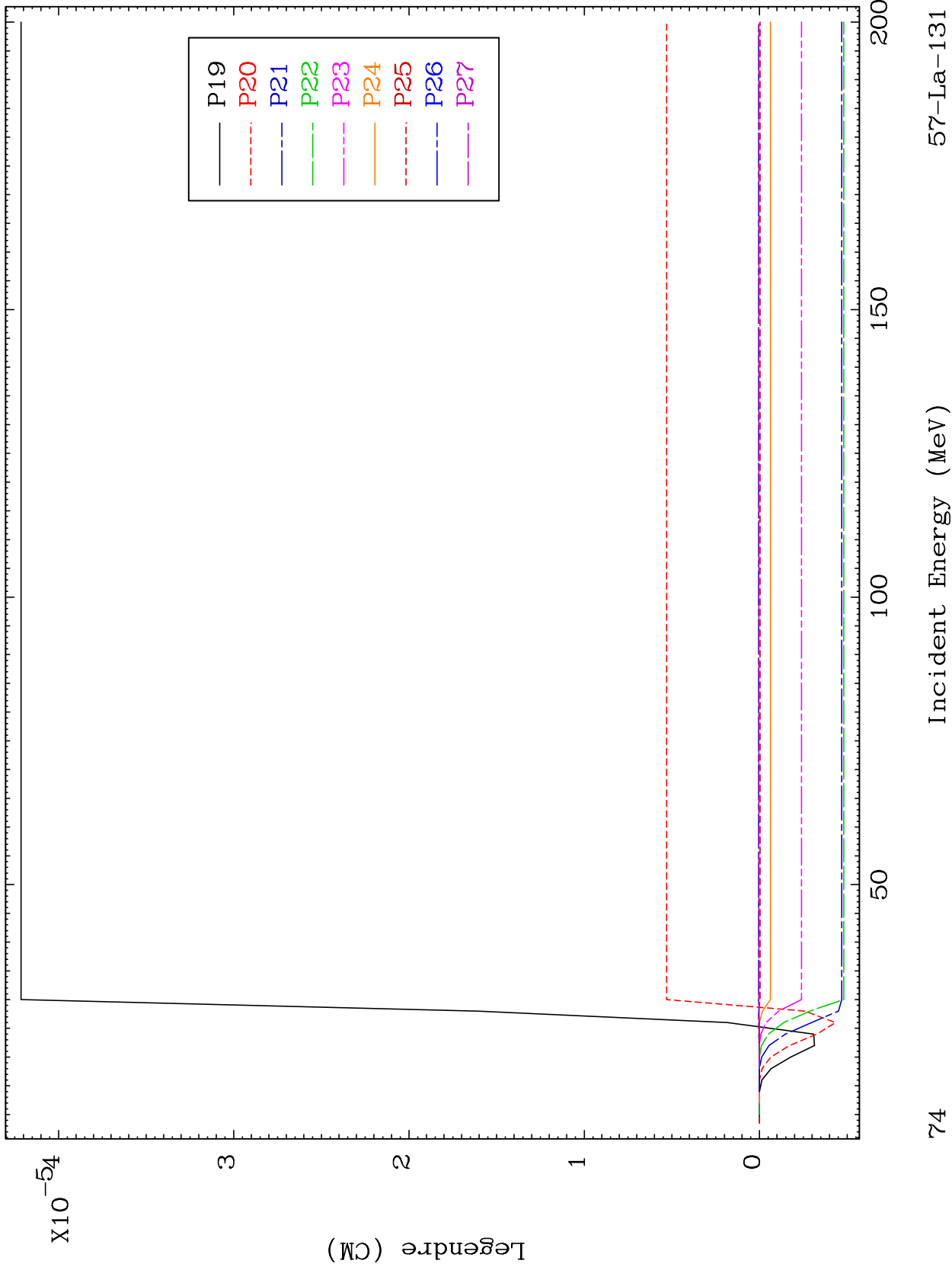




MAT 5704

640.7 keV (n,n') Level  
Legendre Coefficients

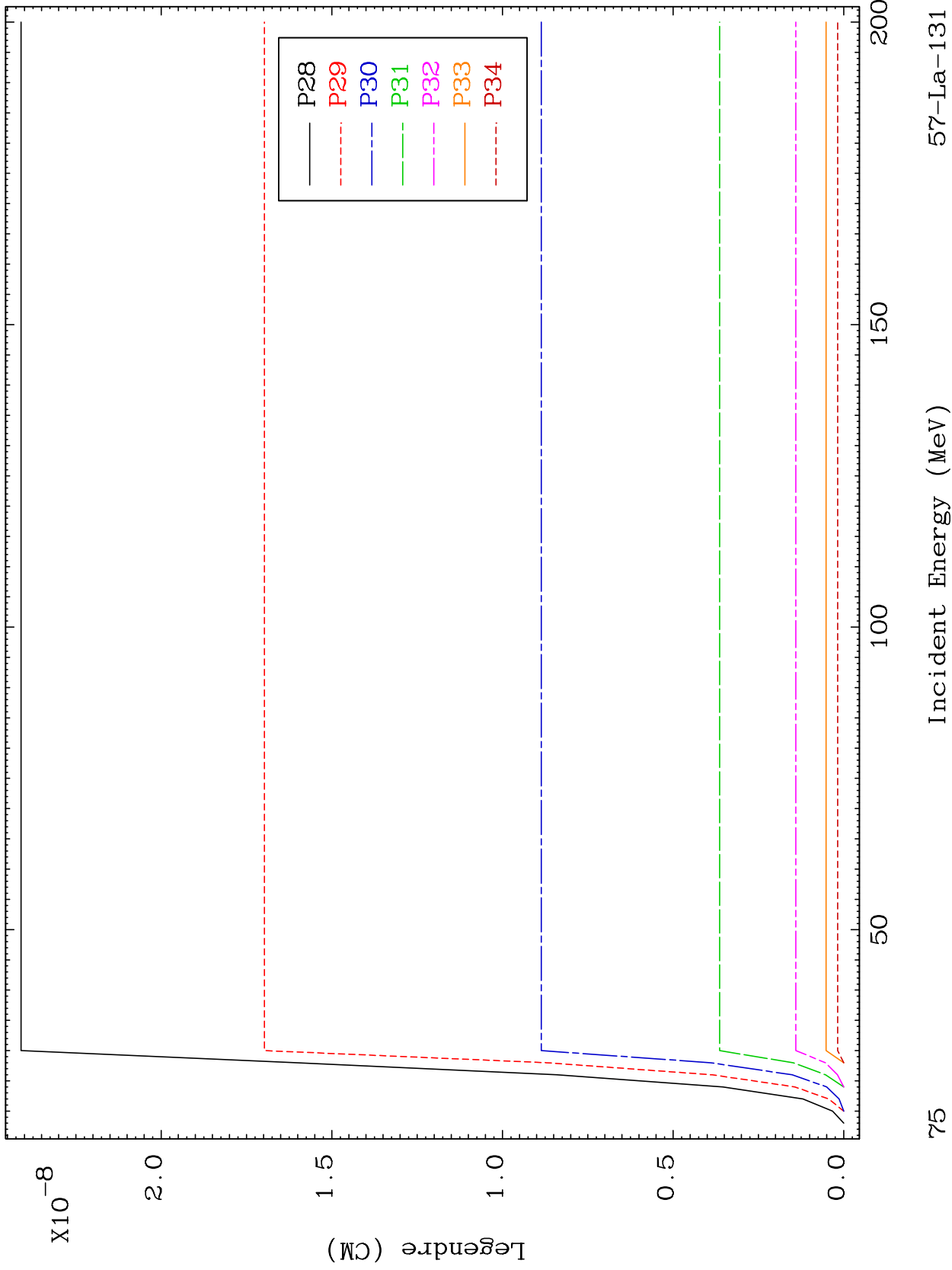
57-La-131



MAT 5704

640.7 keV (n,n') Level  
Legendre Coefficients

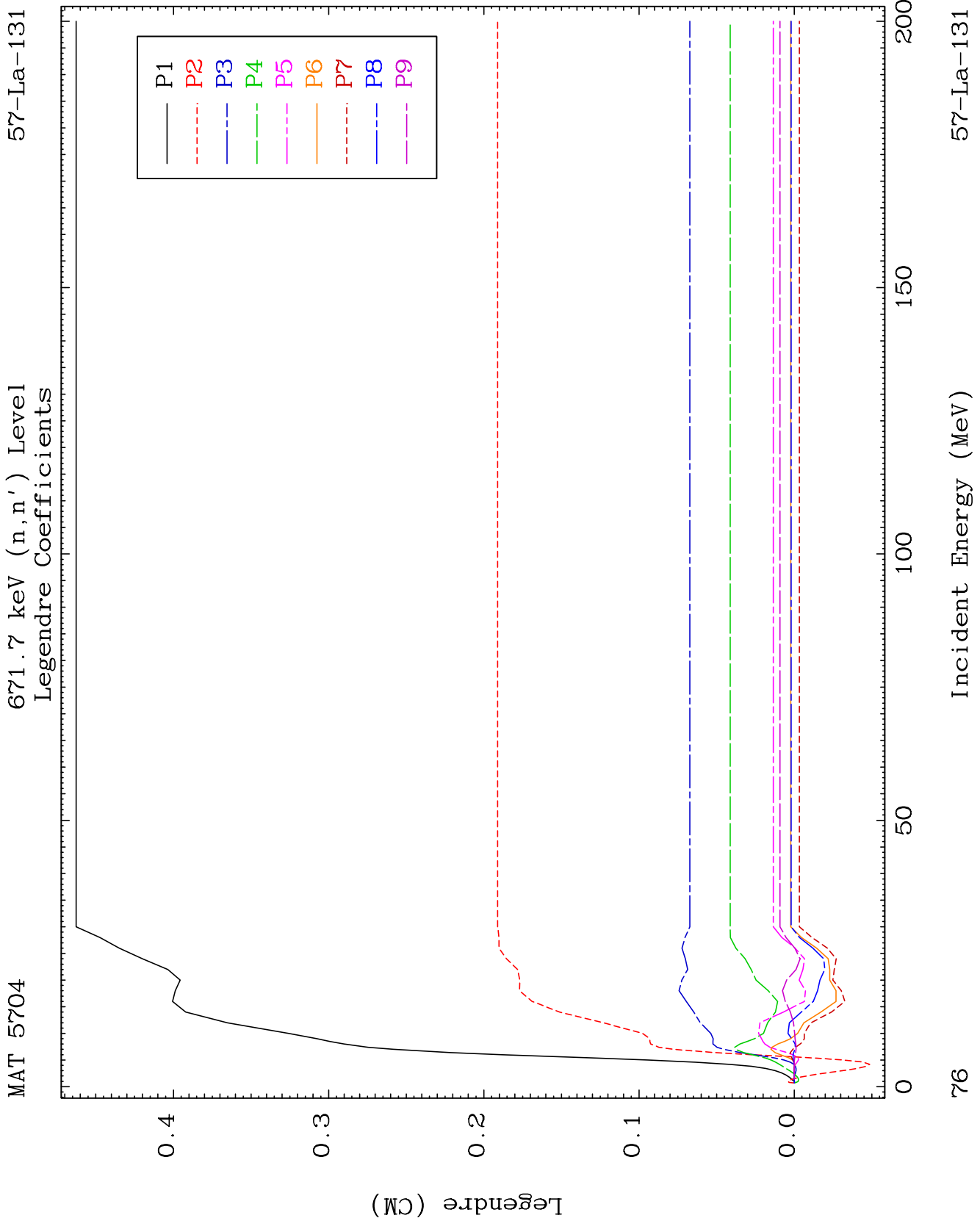
57-La-131

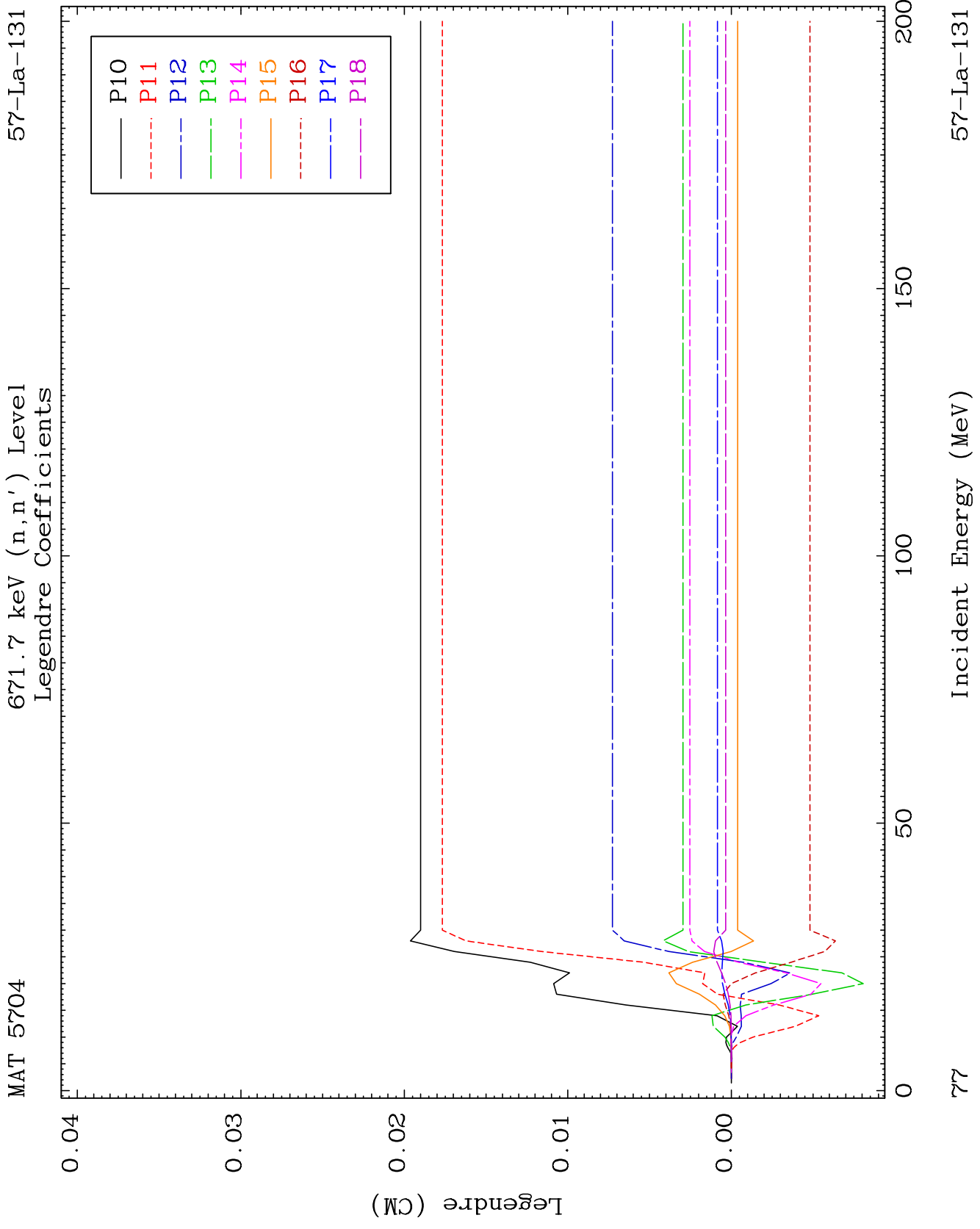


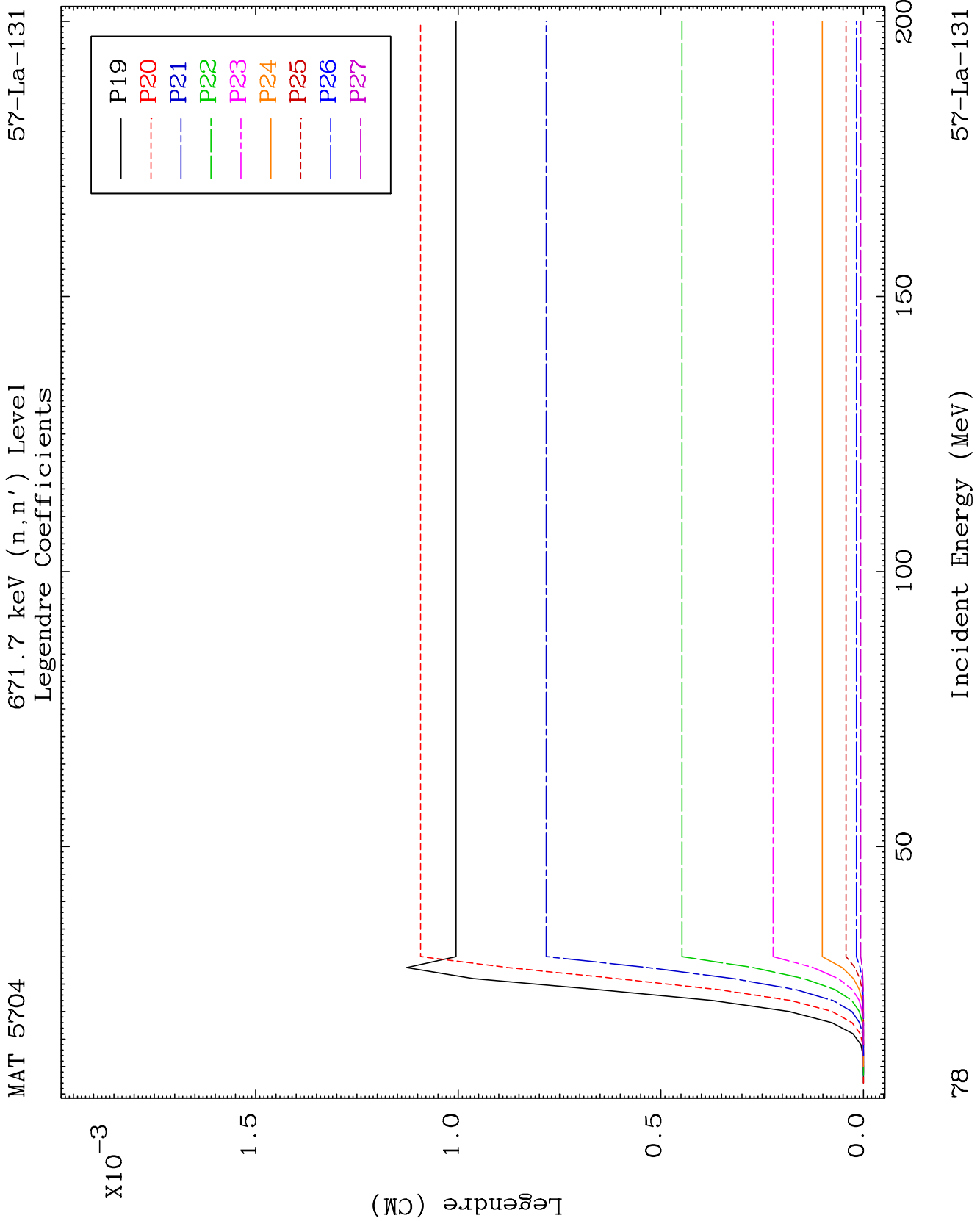
75

Incident Energy (MeV)

57-La-131



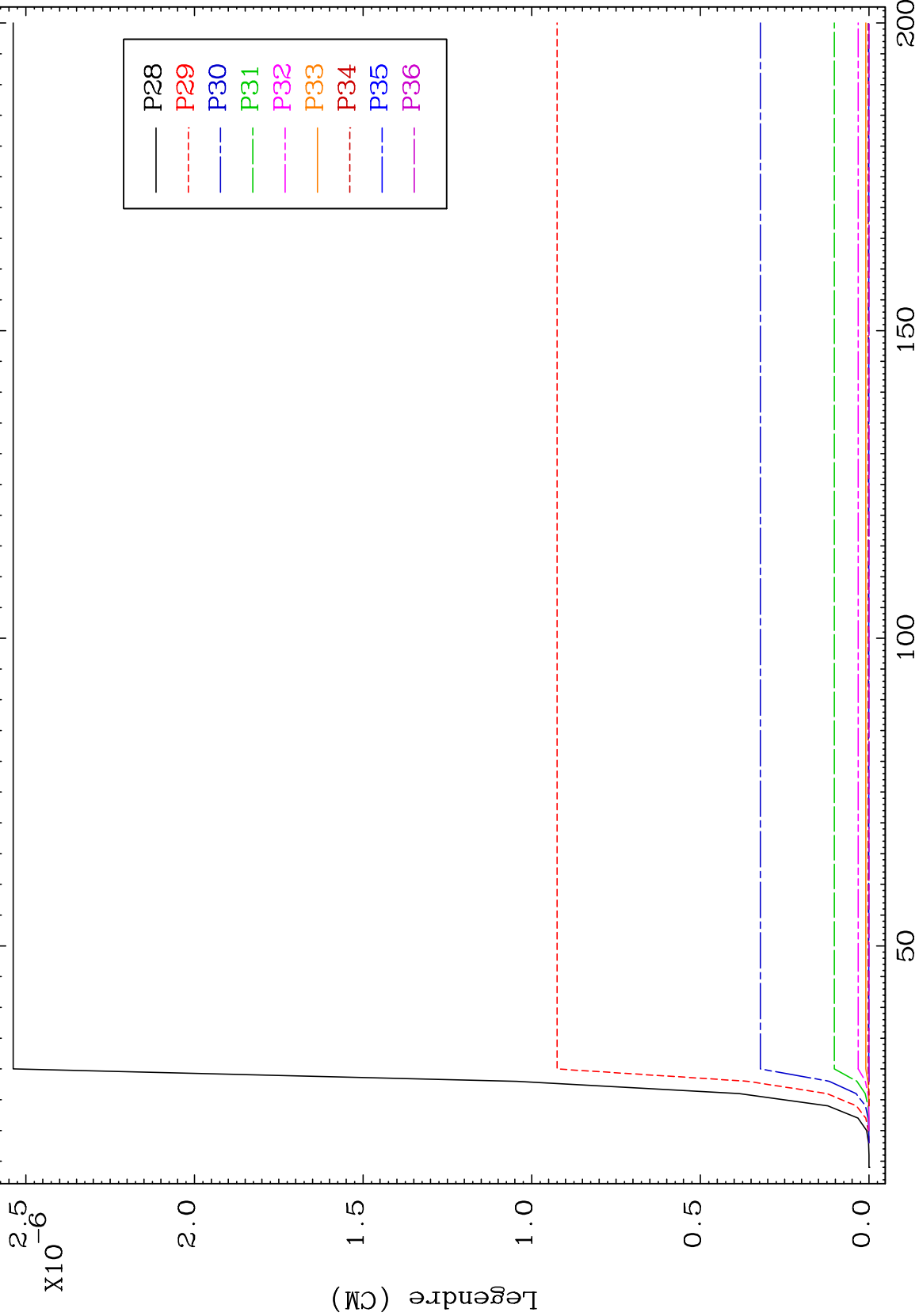




MAT 5704

671.7 keV (n,n') Level  
Legendre Coefficients

57-La-131



79

Incident Energy (MeV)

57-La-131

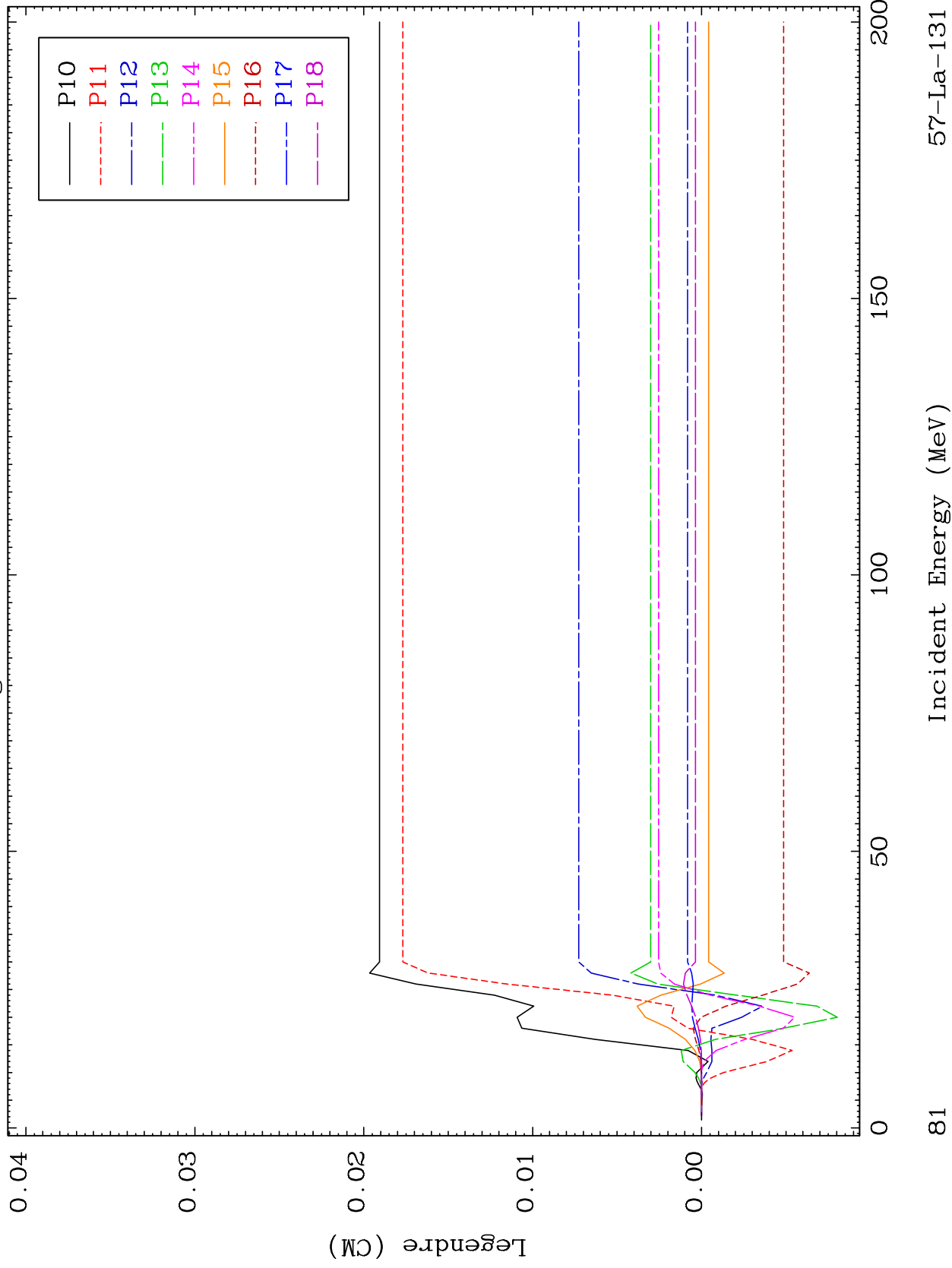




MAT 5704

743.3 keV (n,n') Level  
Legendre Coefficients

57-La-131



81

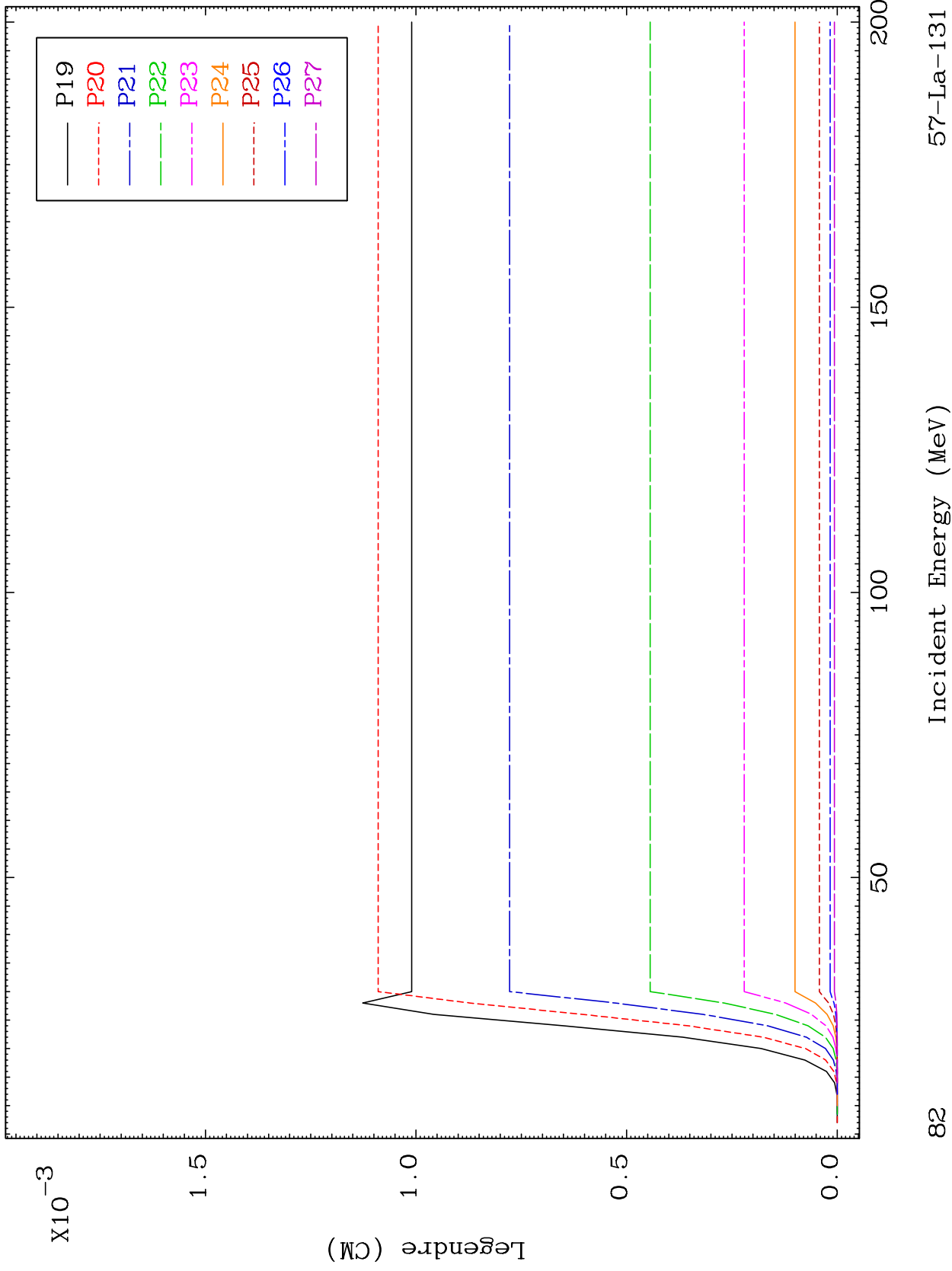
Incident Energy (MeV)

57-La-131

MAT 5704

743.3 keV (n,n') Level  
Legendre Coefficients

57-La-131



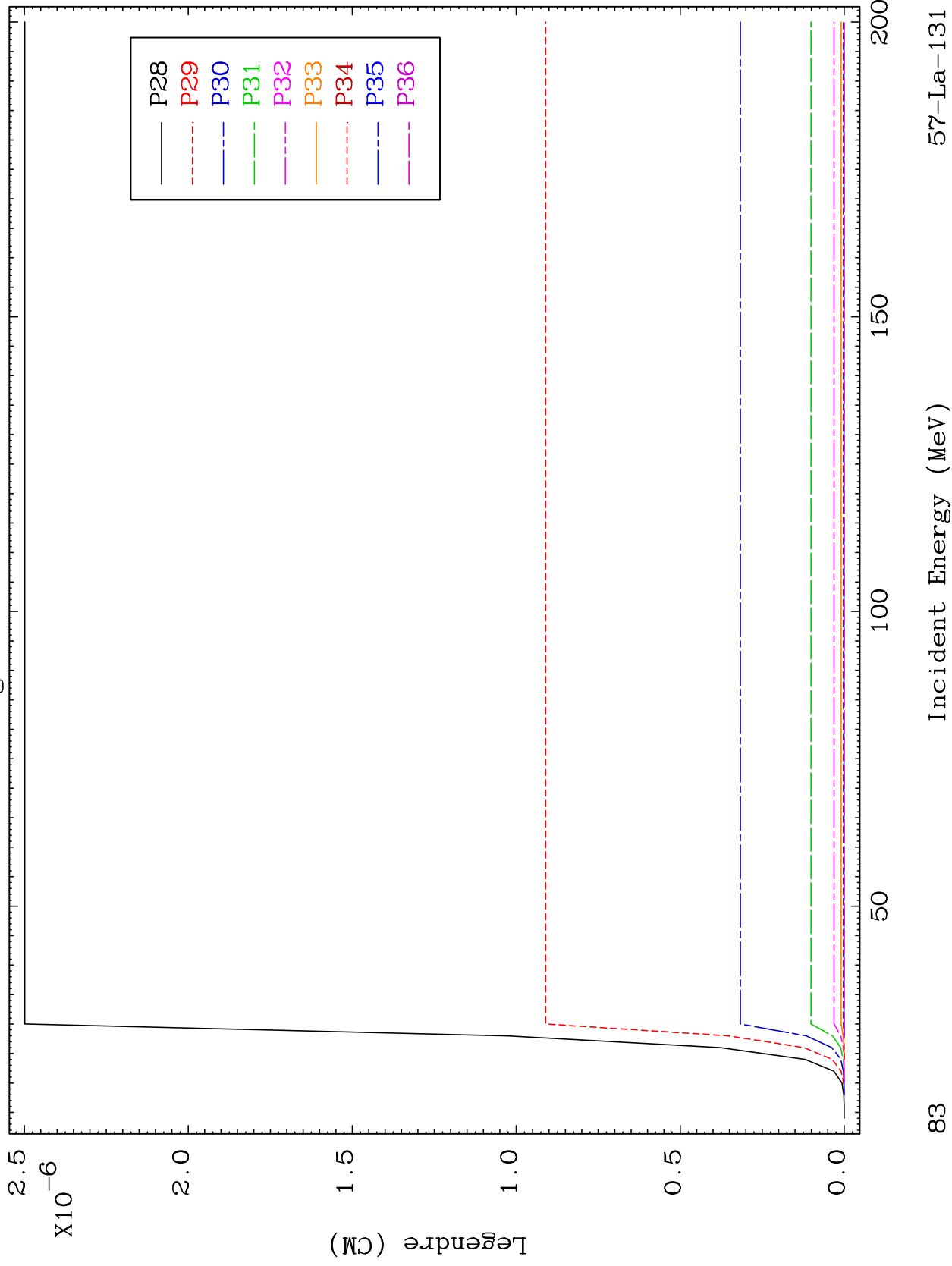
82

57-La-131

MAT 5704

743.3 keV (n,n') Level  
Legendre Coefficients

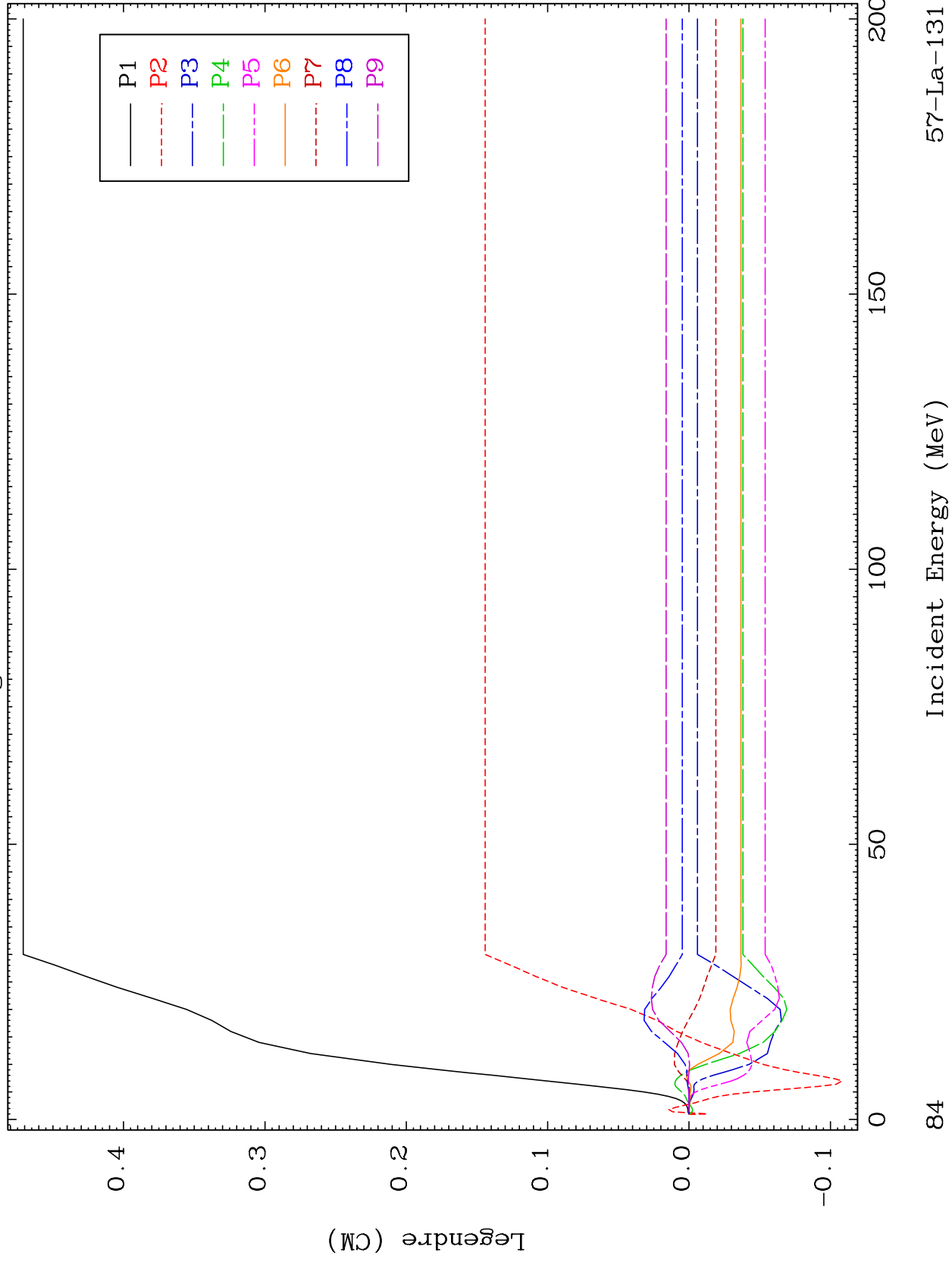
57-La-131



MAT 5704

906.7 keV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

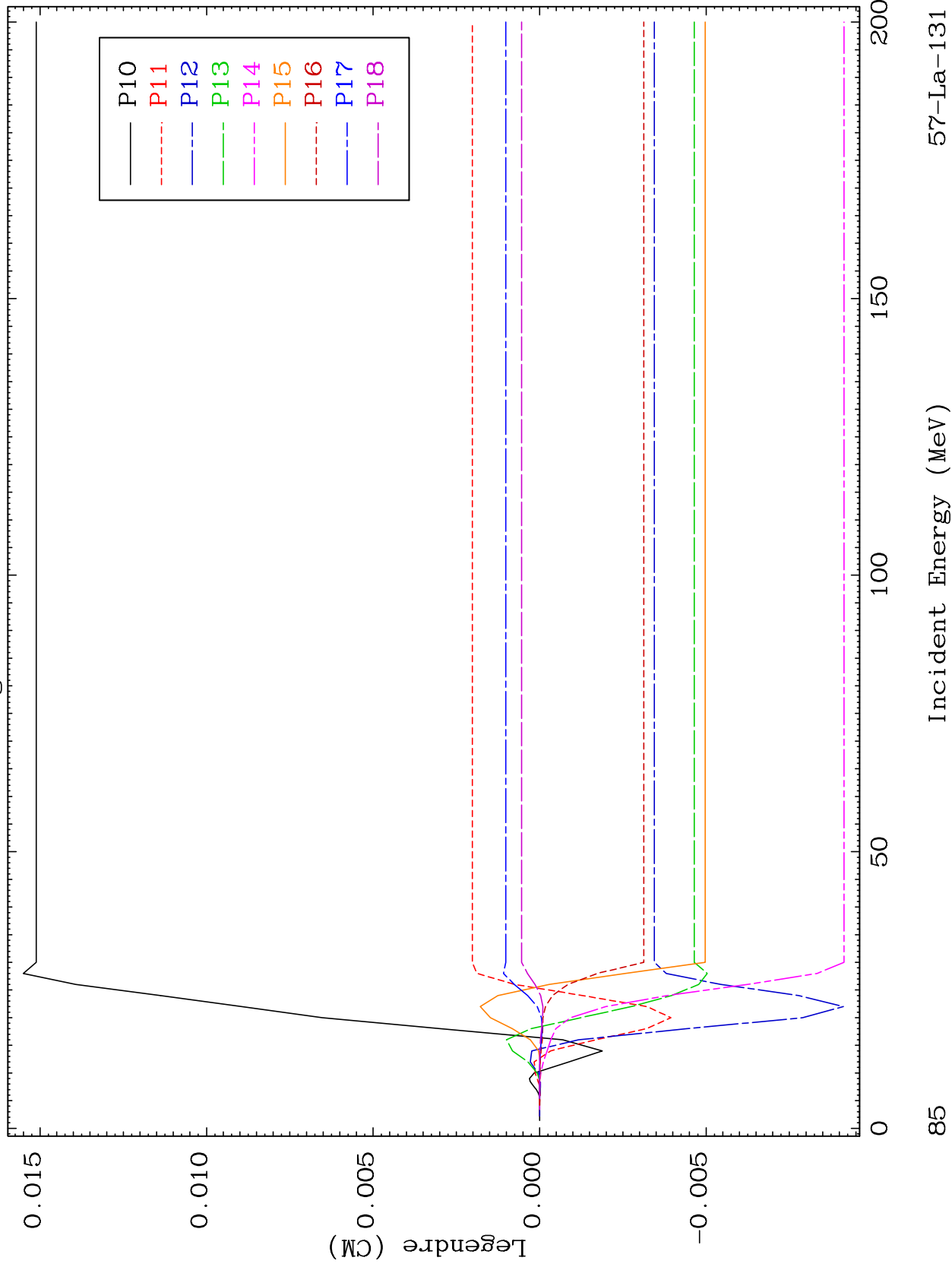
Incident Energy (MeV)

84

MAT 5704

906.7 keV (n,n') Level  
Legendre Coefficients

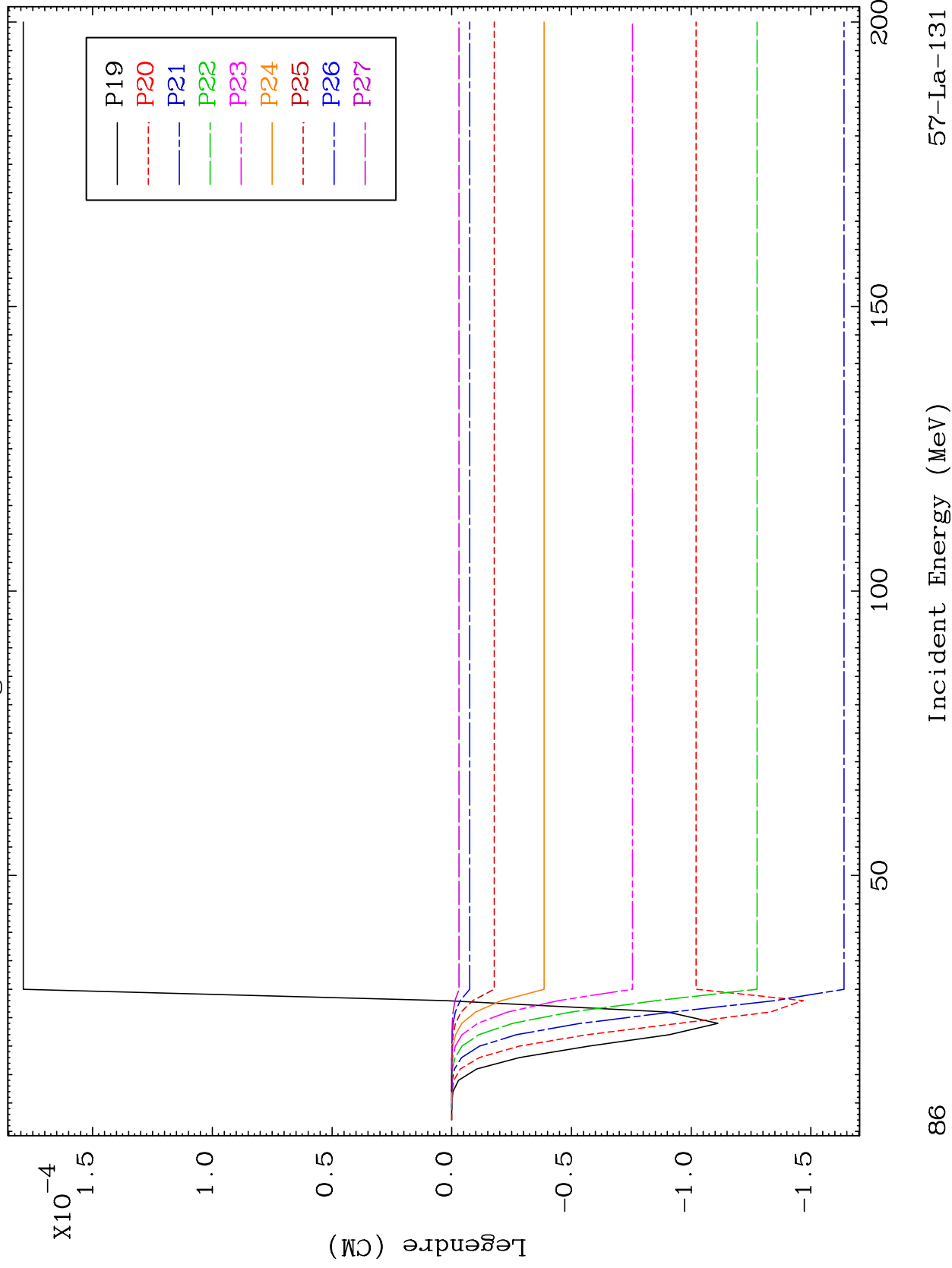
57-La-131

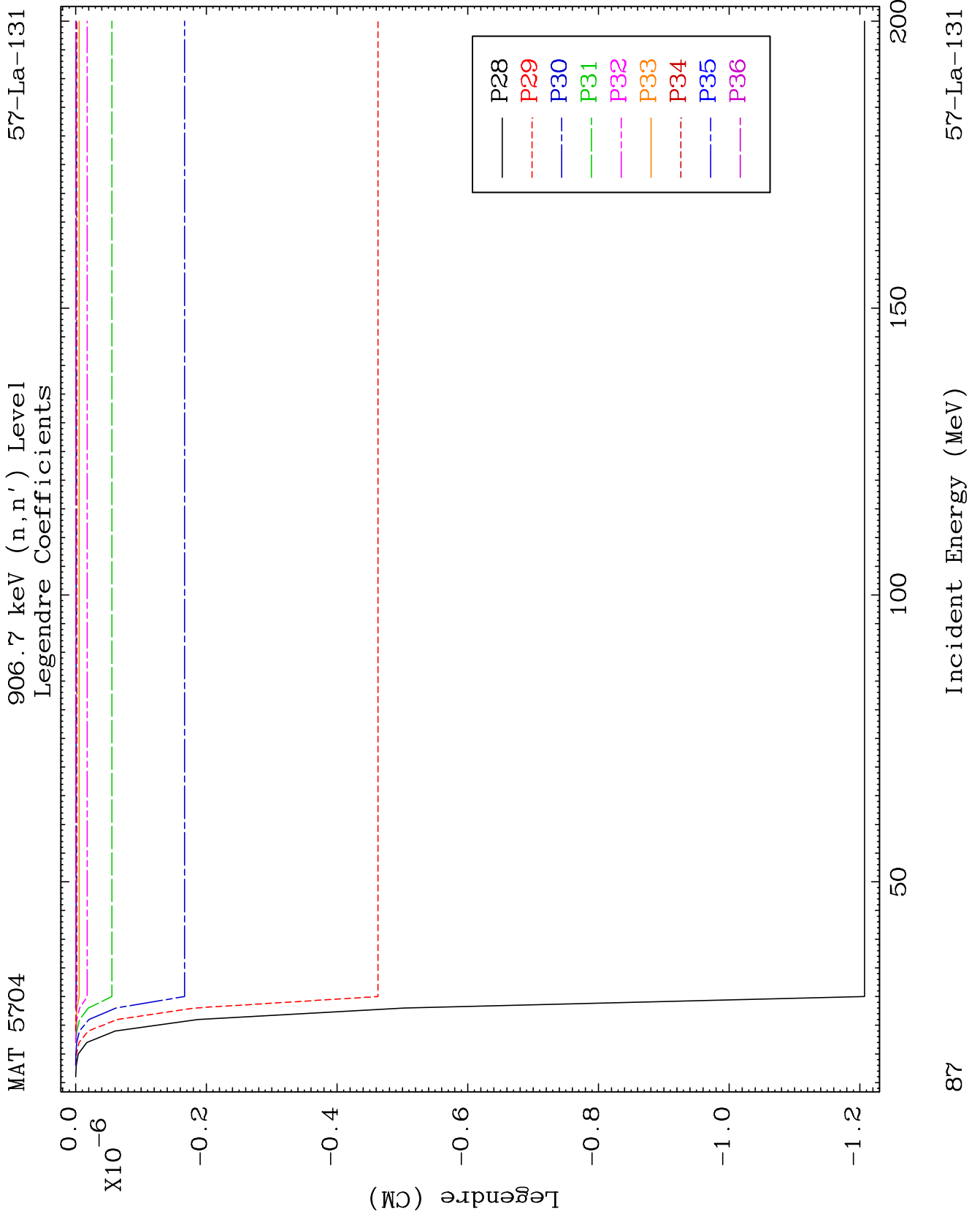


85

Incident Energy (MeV)

57-La-131



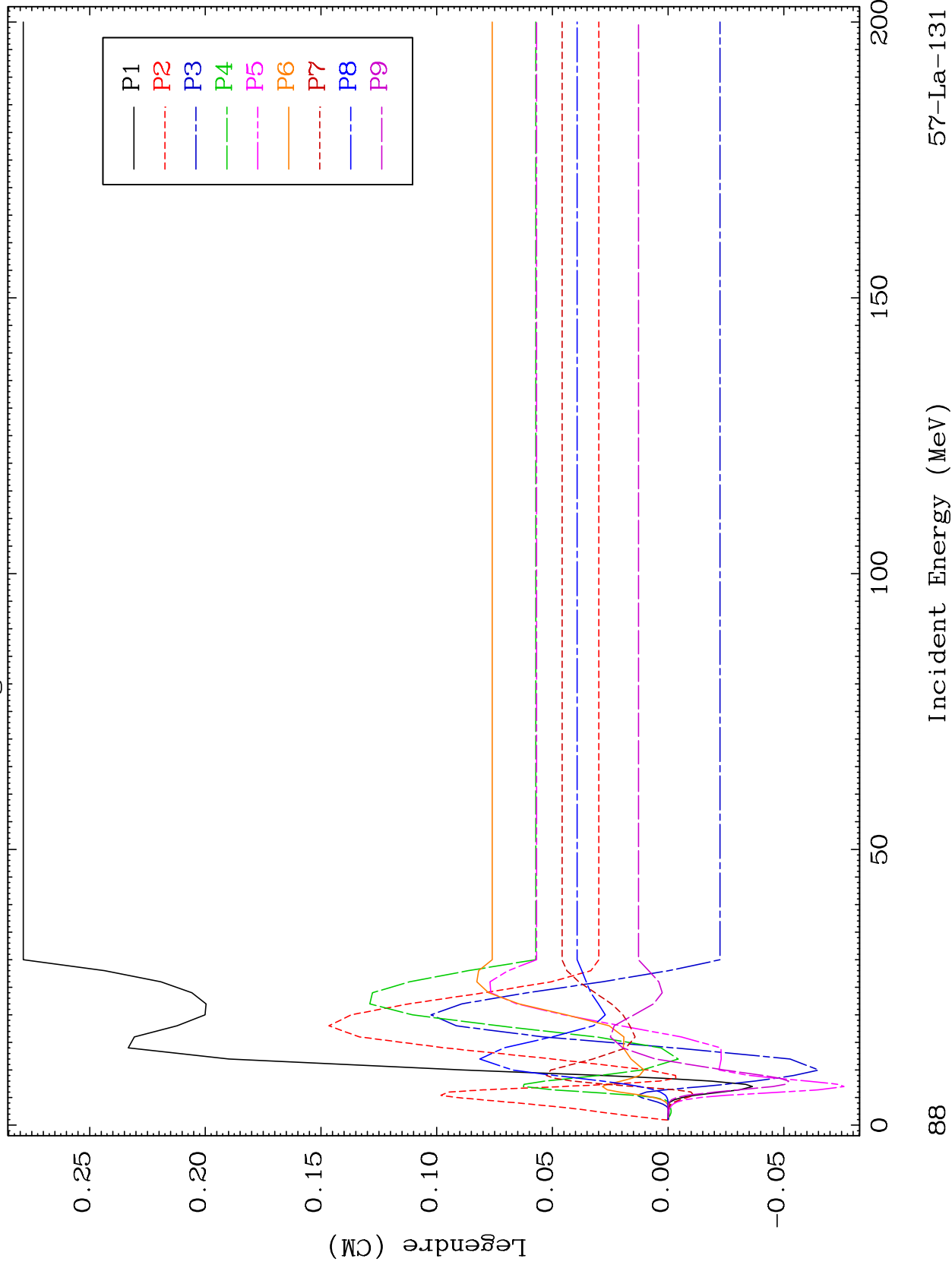




MAT 5704

911.2 keV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

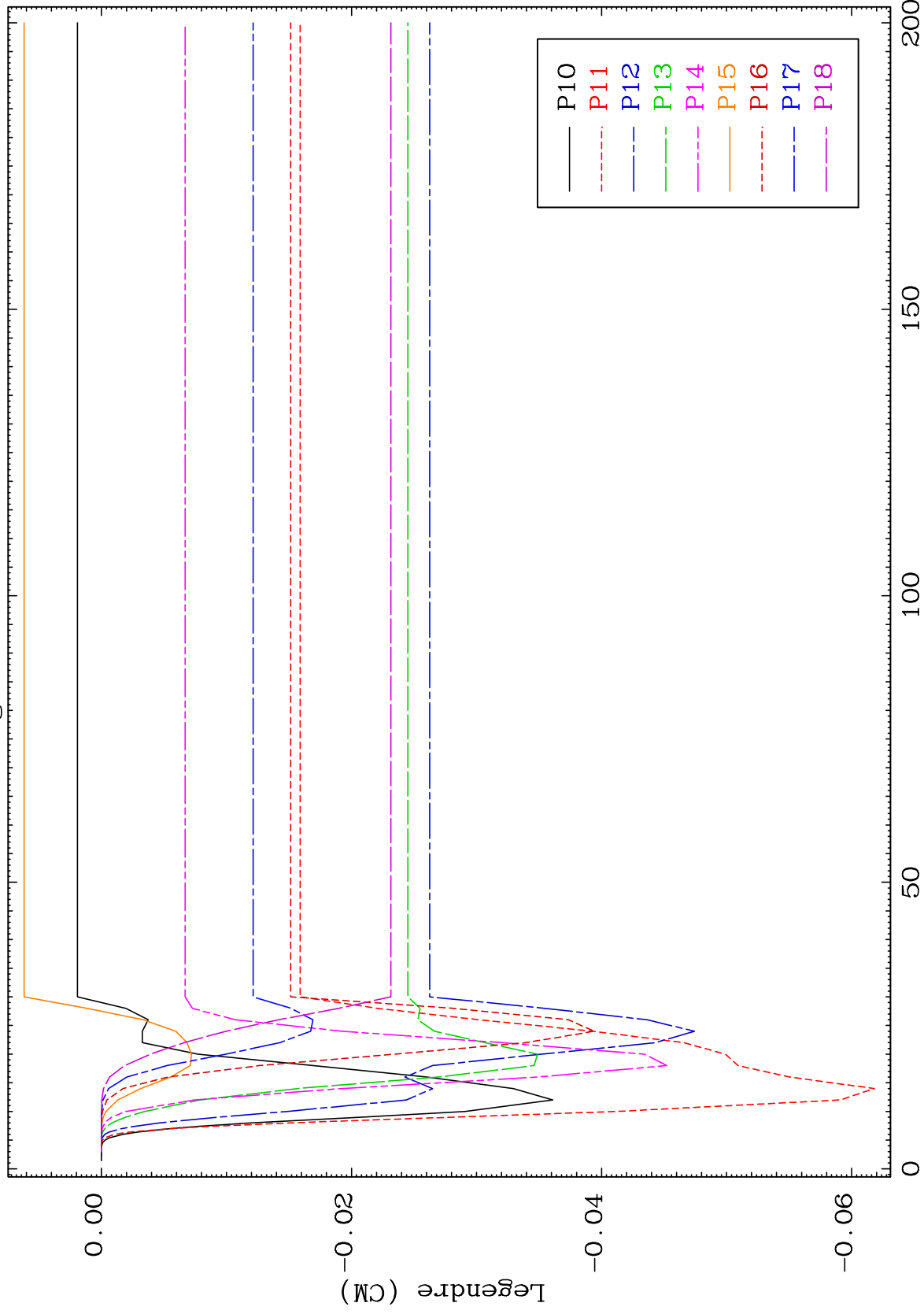
Incident Energy (MeV)

88

MAT 5704

911.2 keV (n,n') Level  
Legendre Coefficients

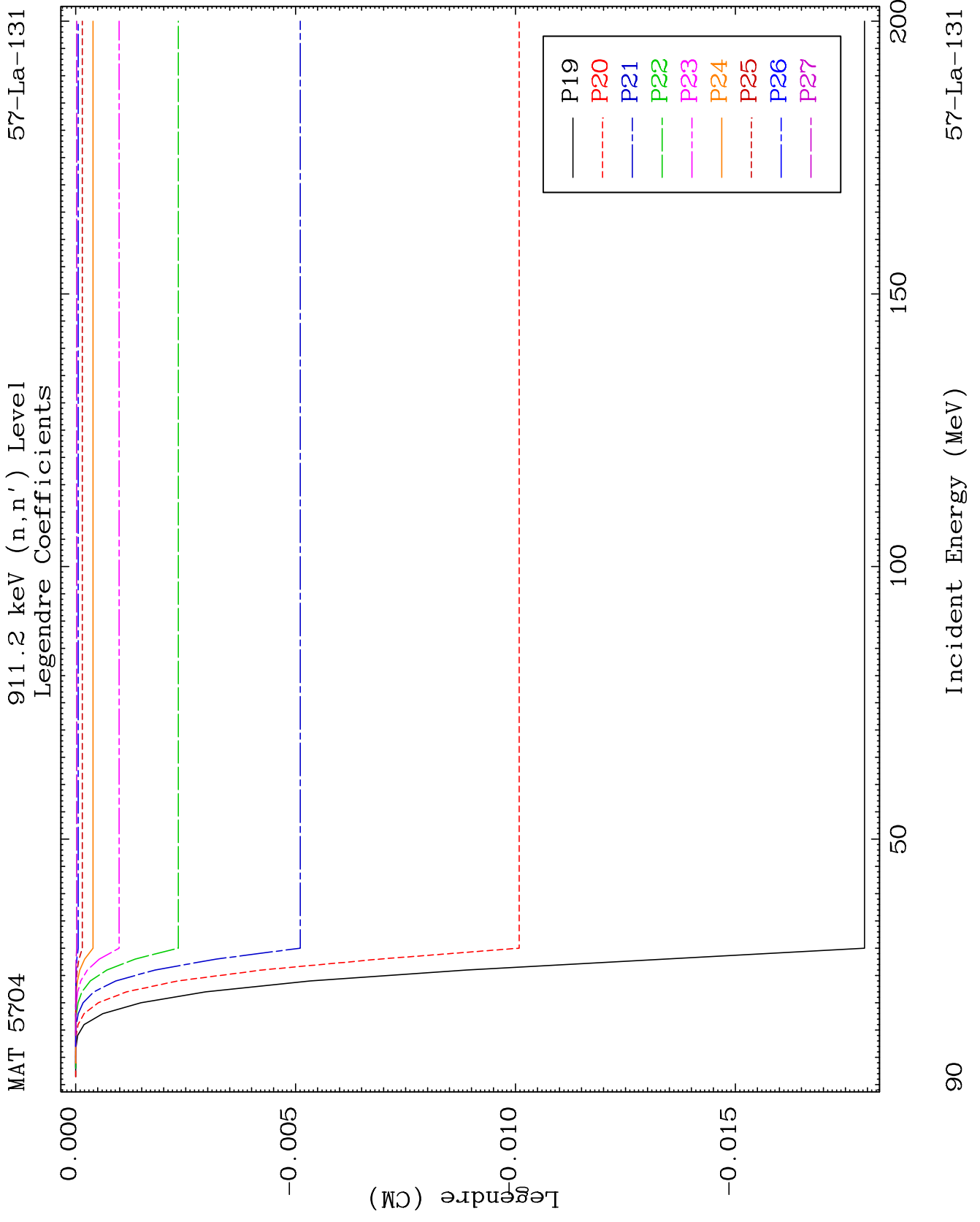
57-La-131

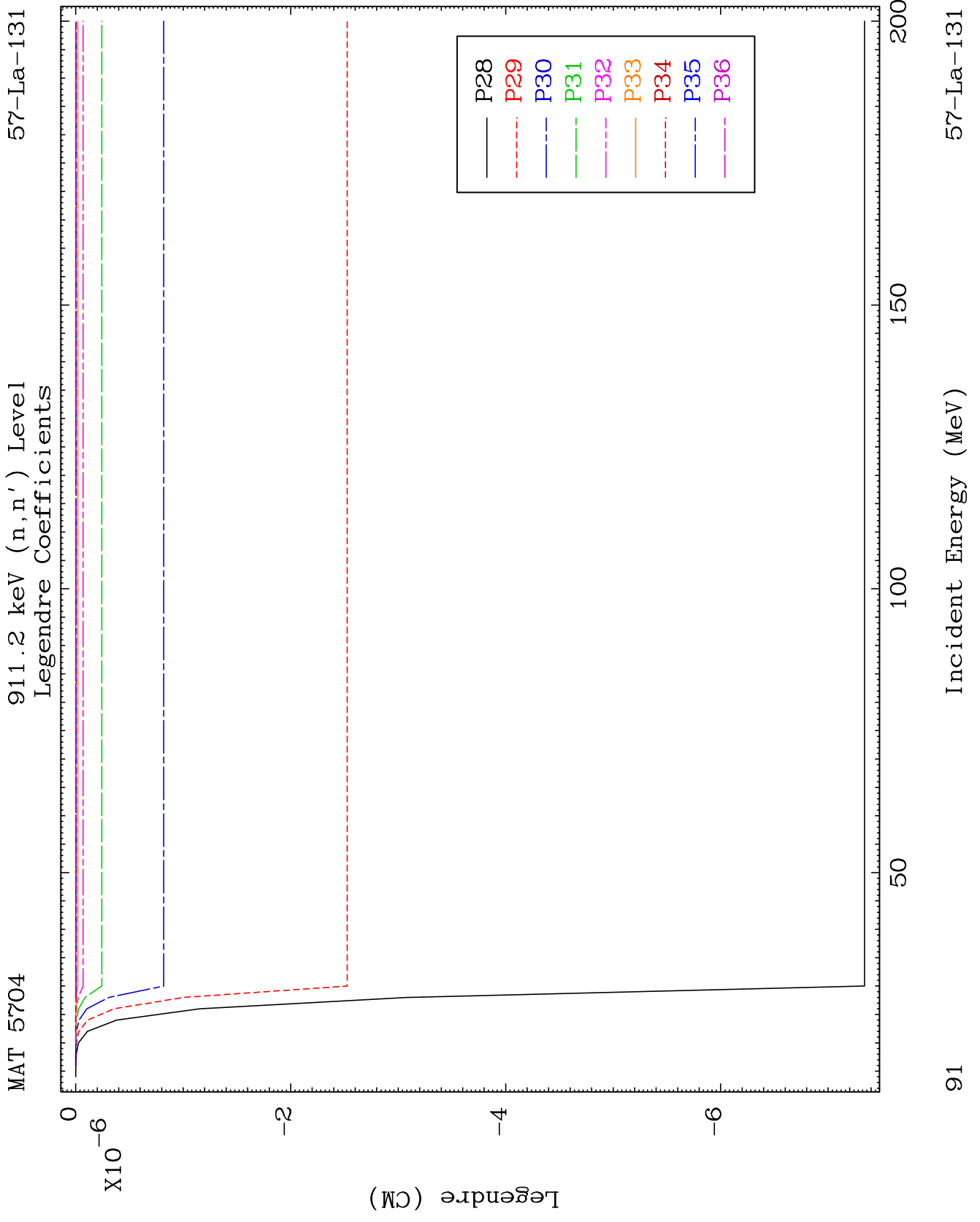


89

Incident Energy (MeV)

57-La-131

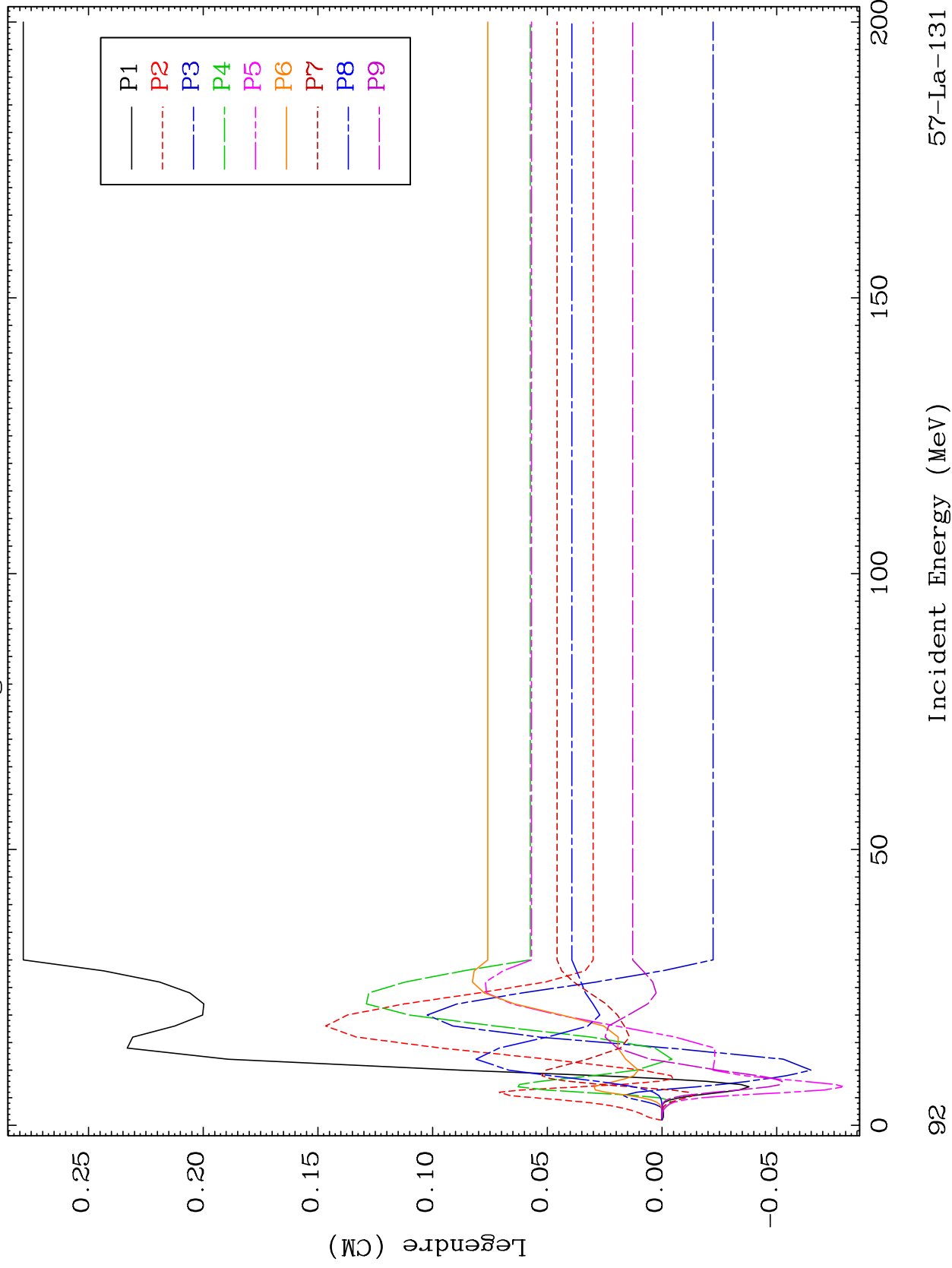




MAT 5704

946.1 keV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

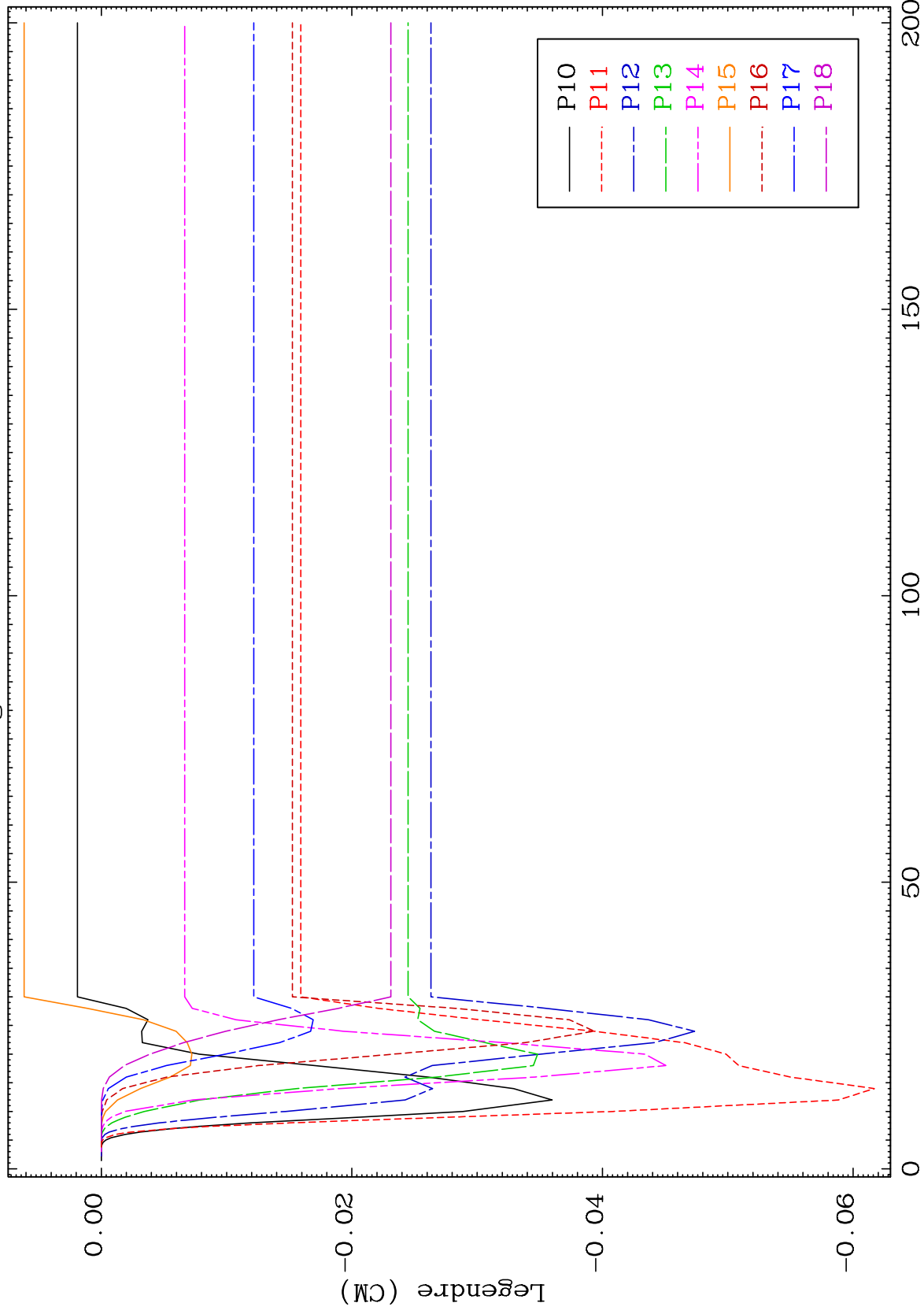
Incident Energy (MeV)

92

MAT 5704

946.1 keV (n,n') Level  
Legendre Coefficients

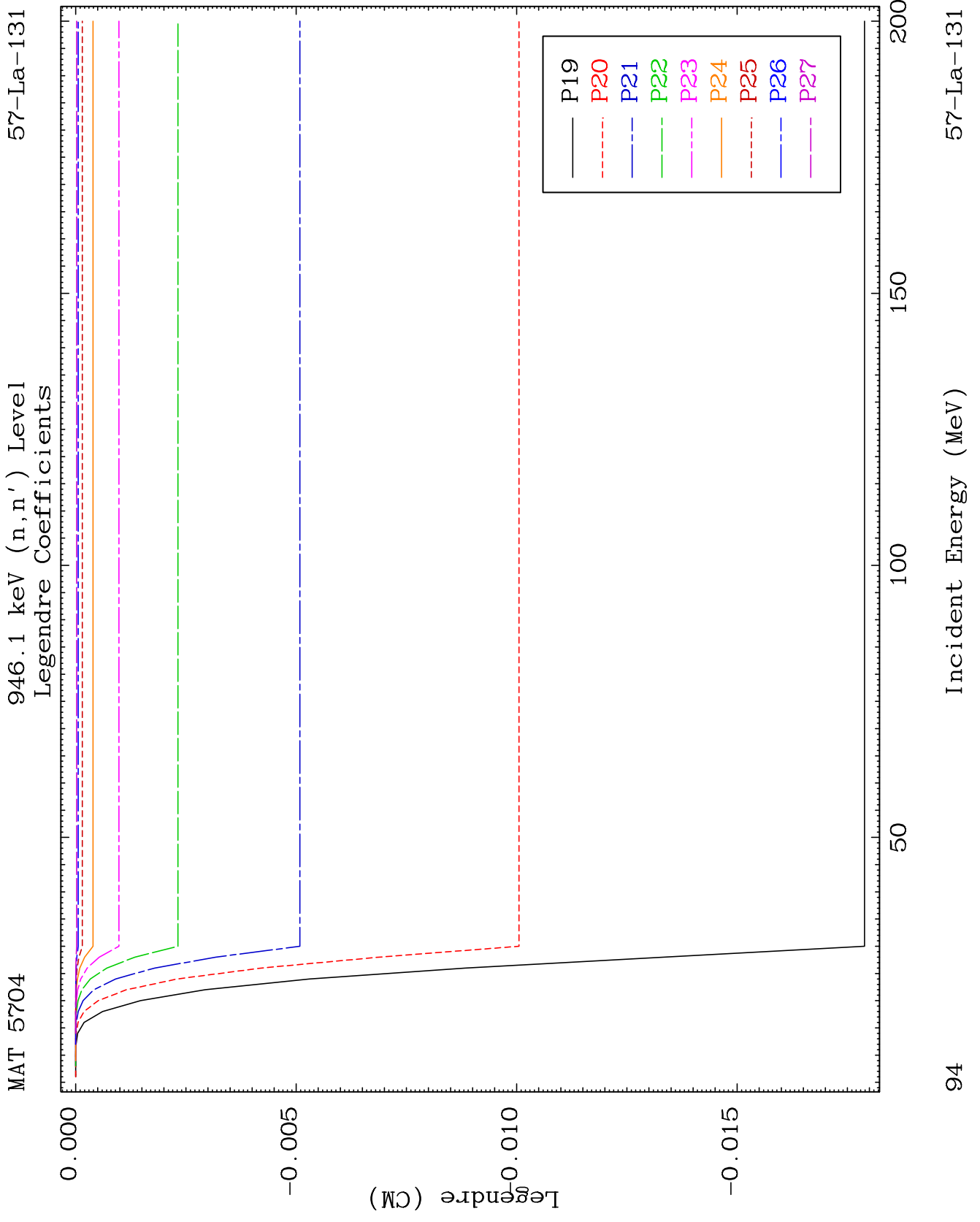
57-La-131

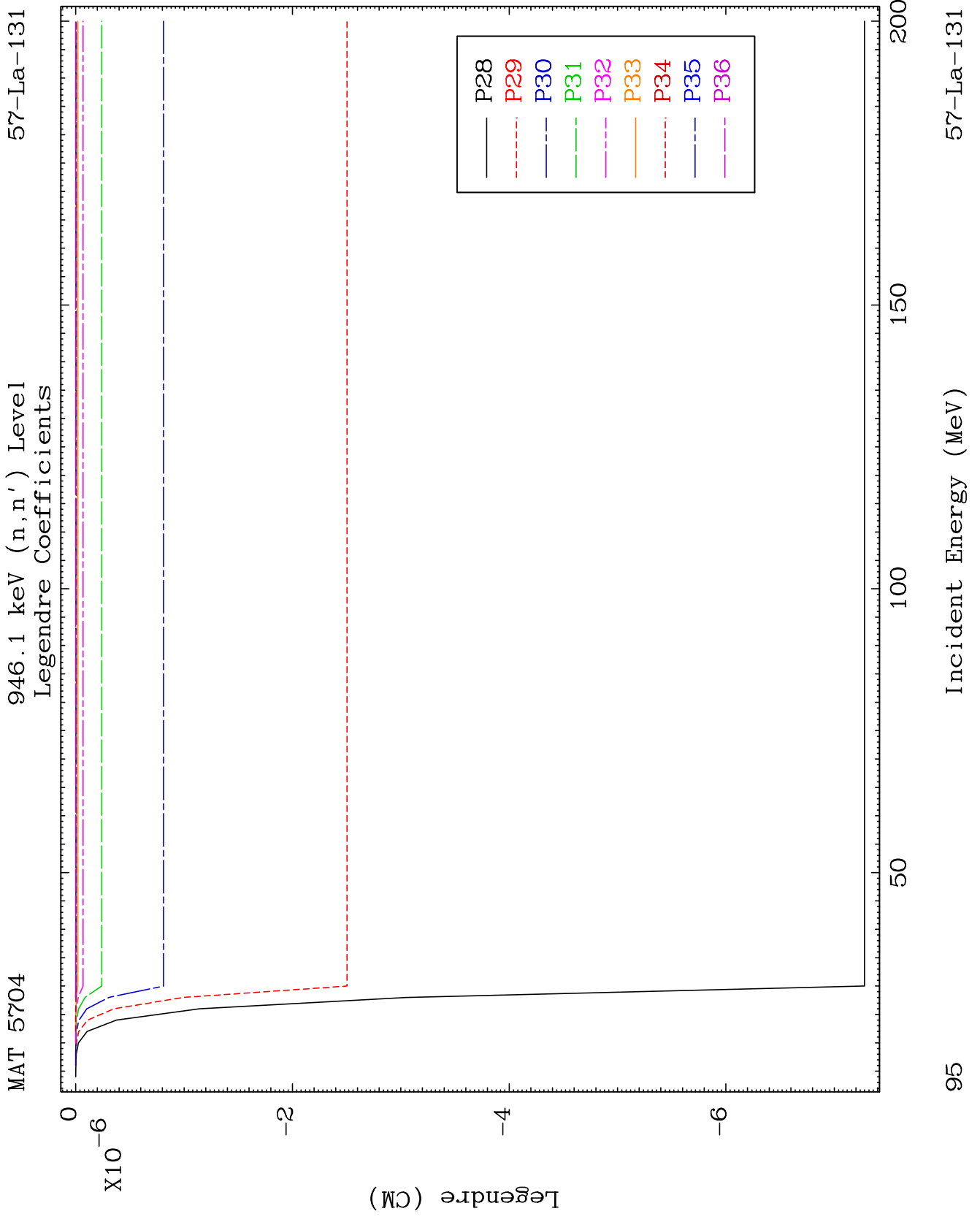


93

Incident Energy (MeV)

57-La-131



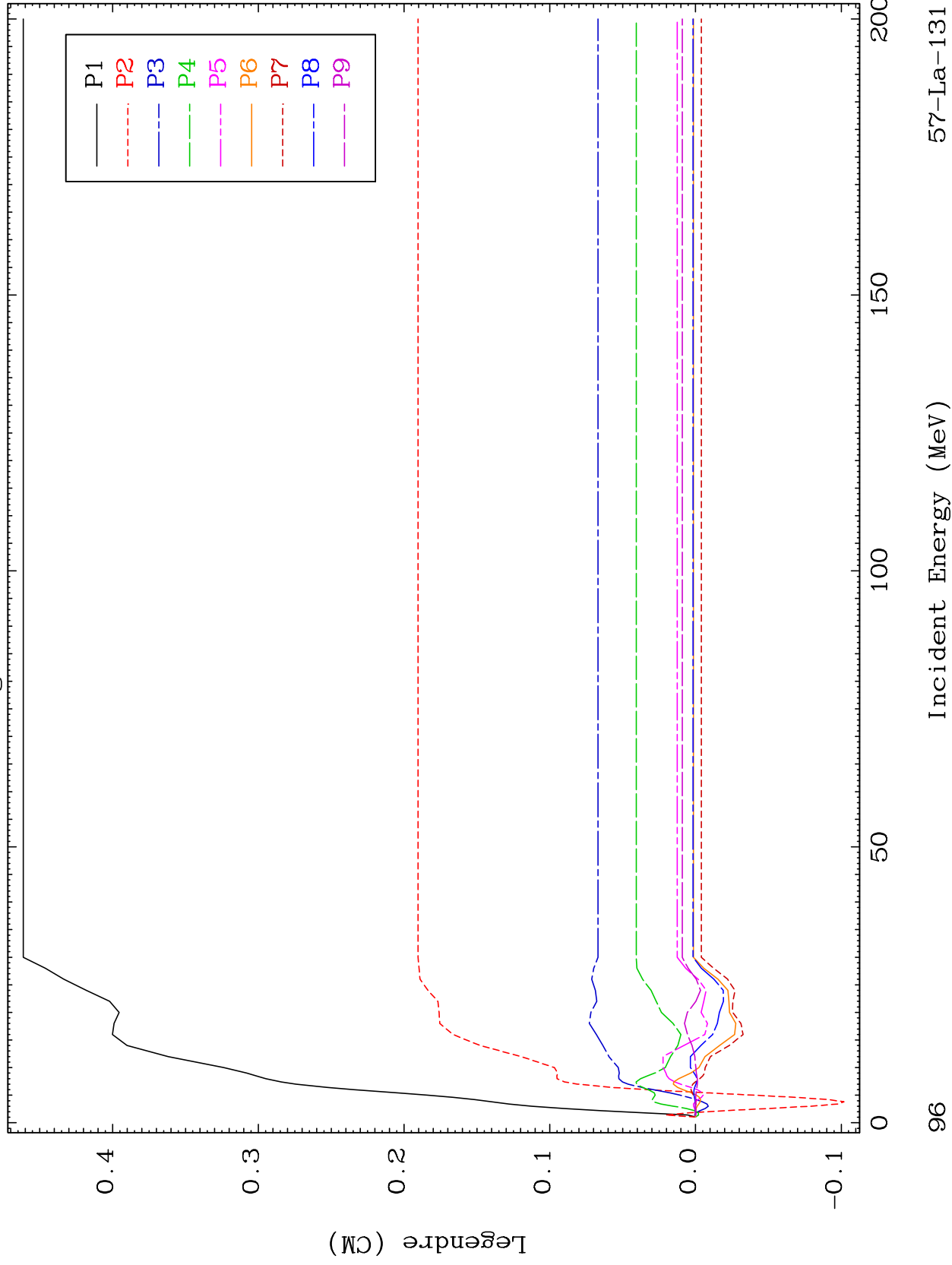




MAT 5704

1.024 MeV (n,n') Level  
Legendre Coefficients

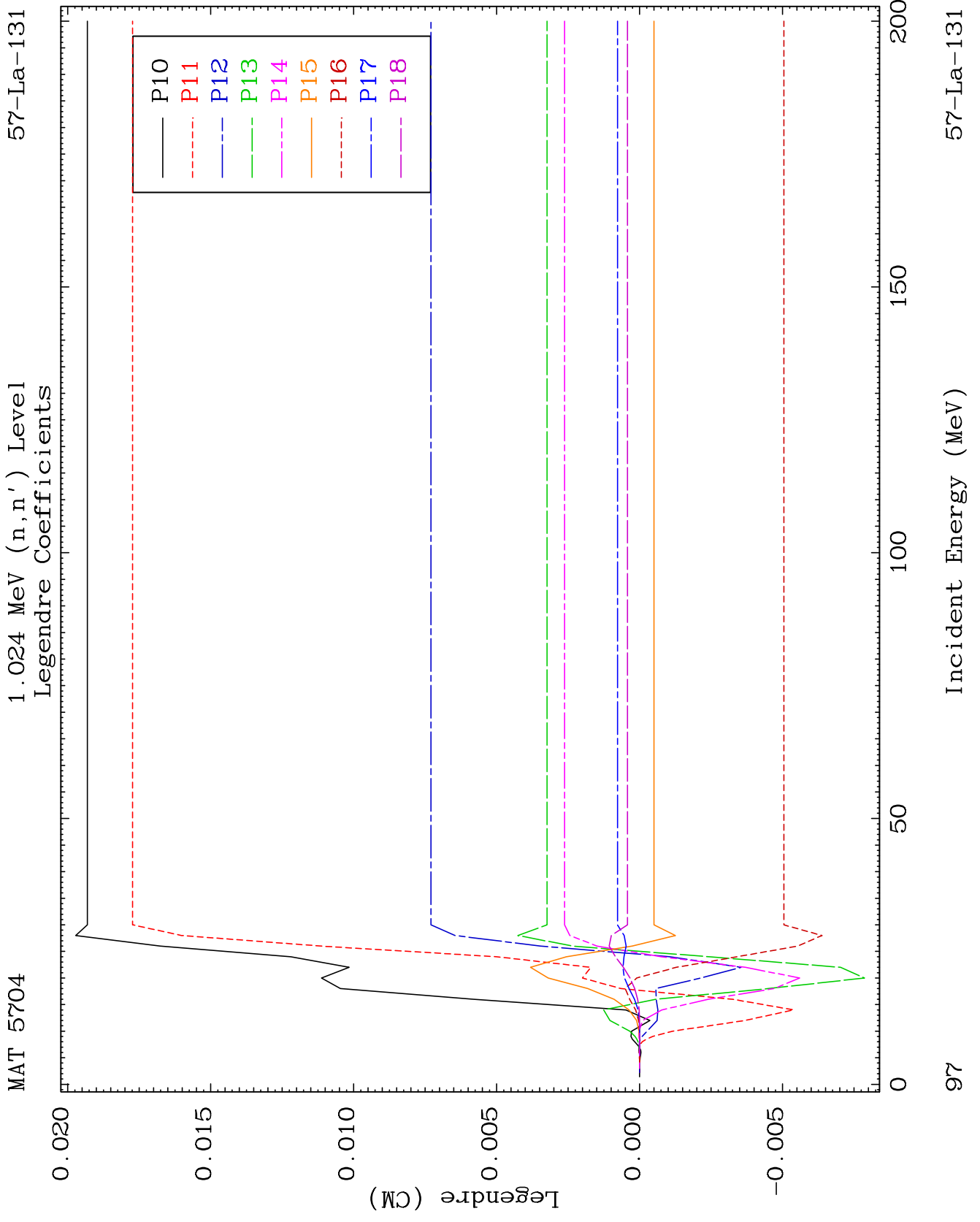
57-La-131



57-La-131

Incident Energy (MeV)

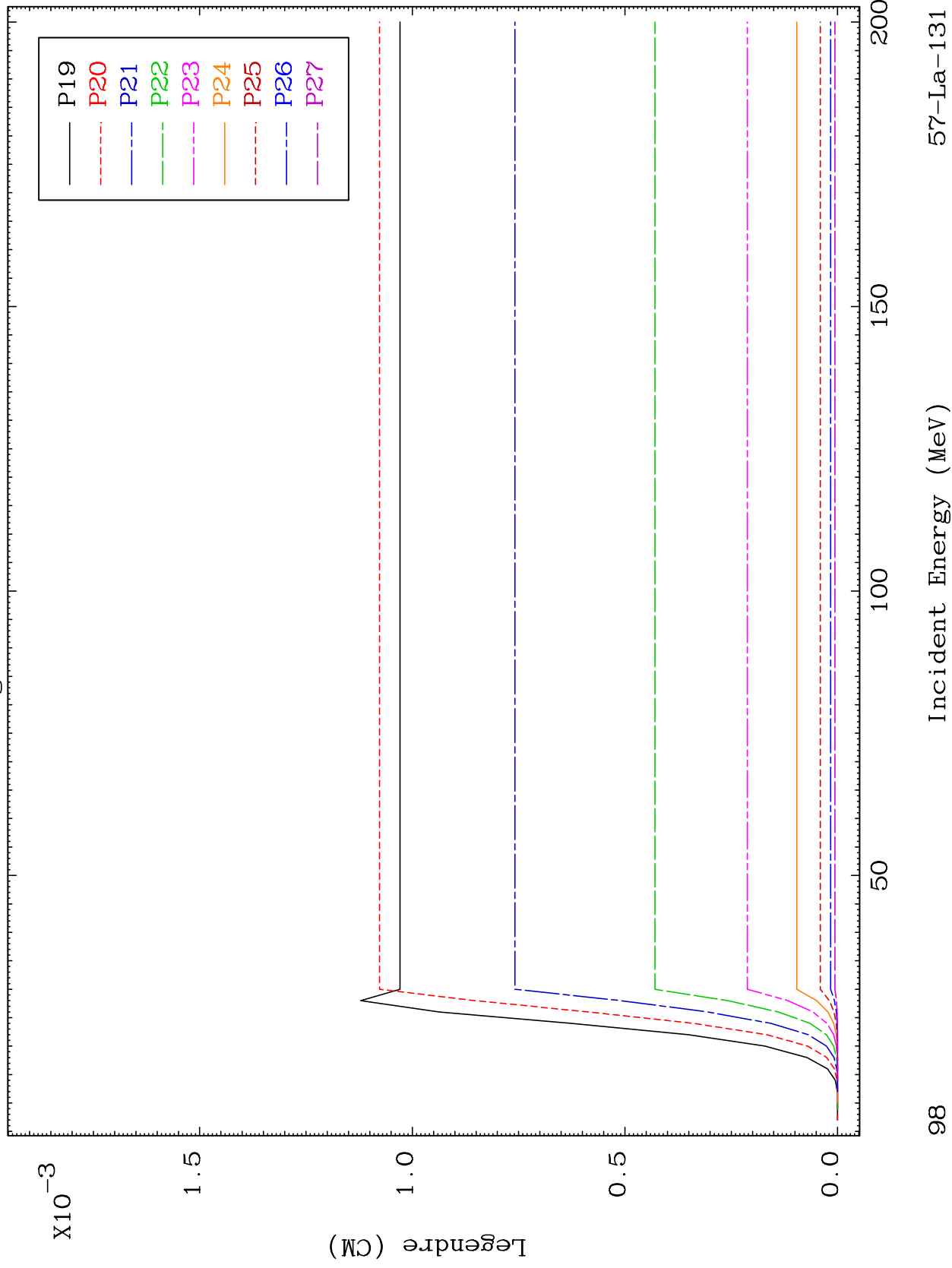
96



MAT 5704

1.024 MeV (n,n') Level  
Legendre Coefficients

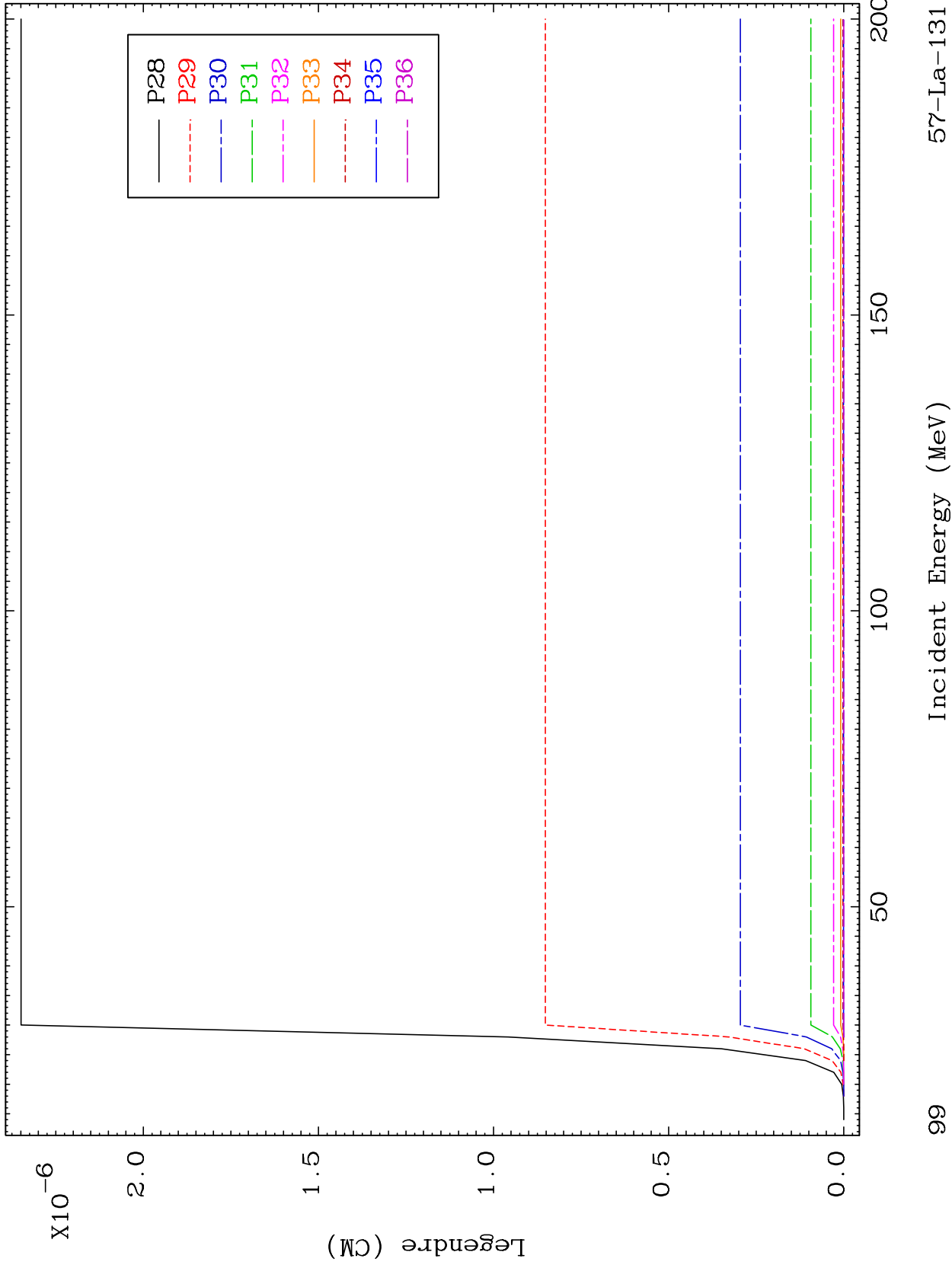
57-La-131



MAT 5704

1.024 MeV (n,n') Level  
Legendre Coefficients

57-La-131



99

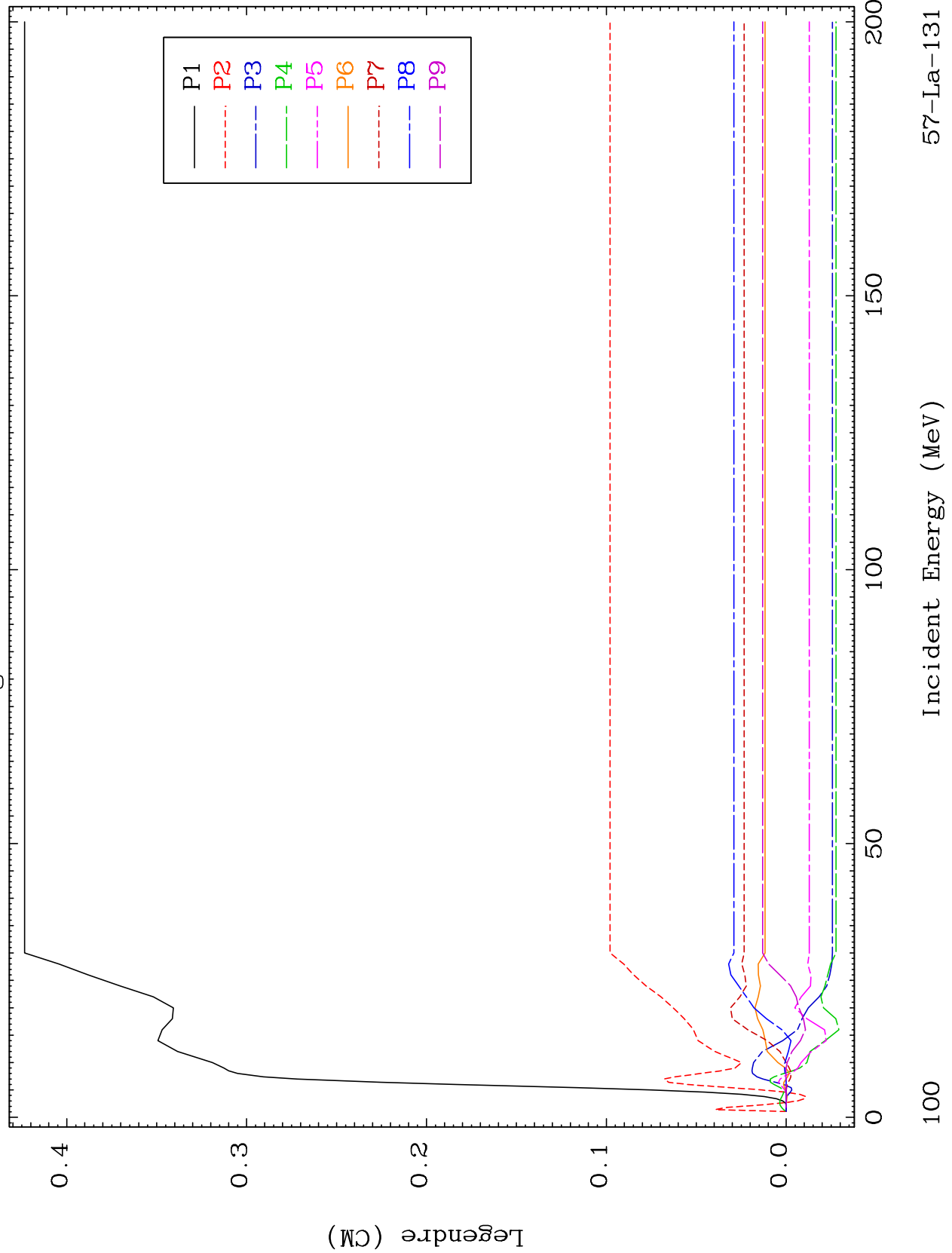
Incident Energy (MeV)

57-La-131

MAT 5704

1.055 MeV (n,n') Level  
Legendre Coefficients

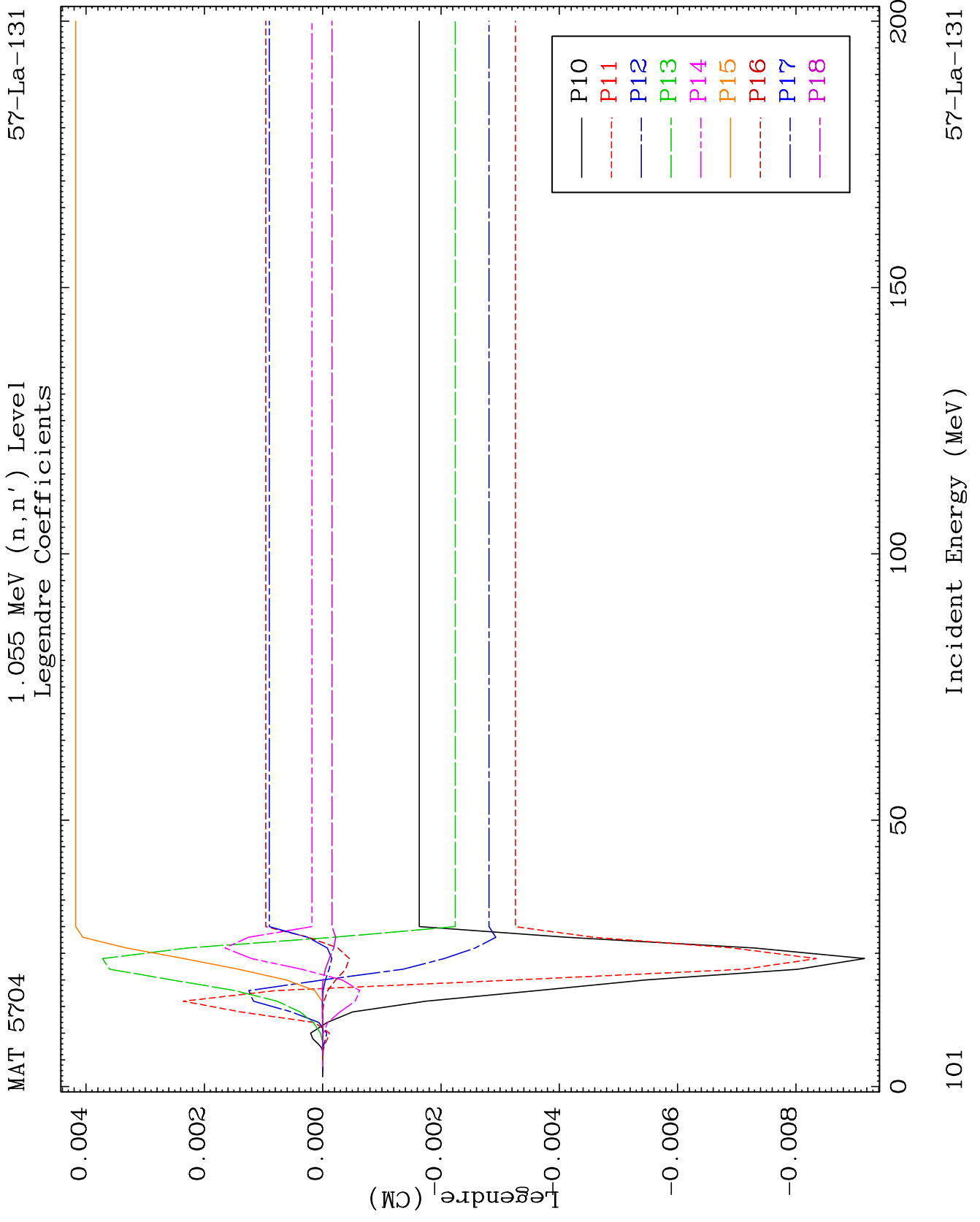
57-La-131

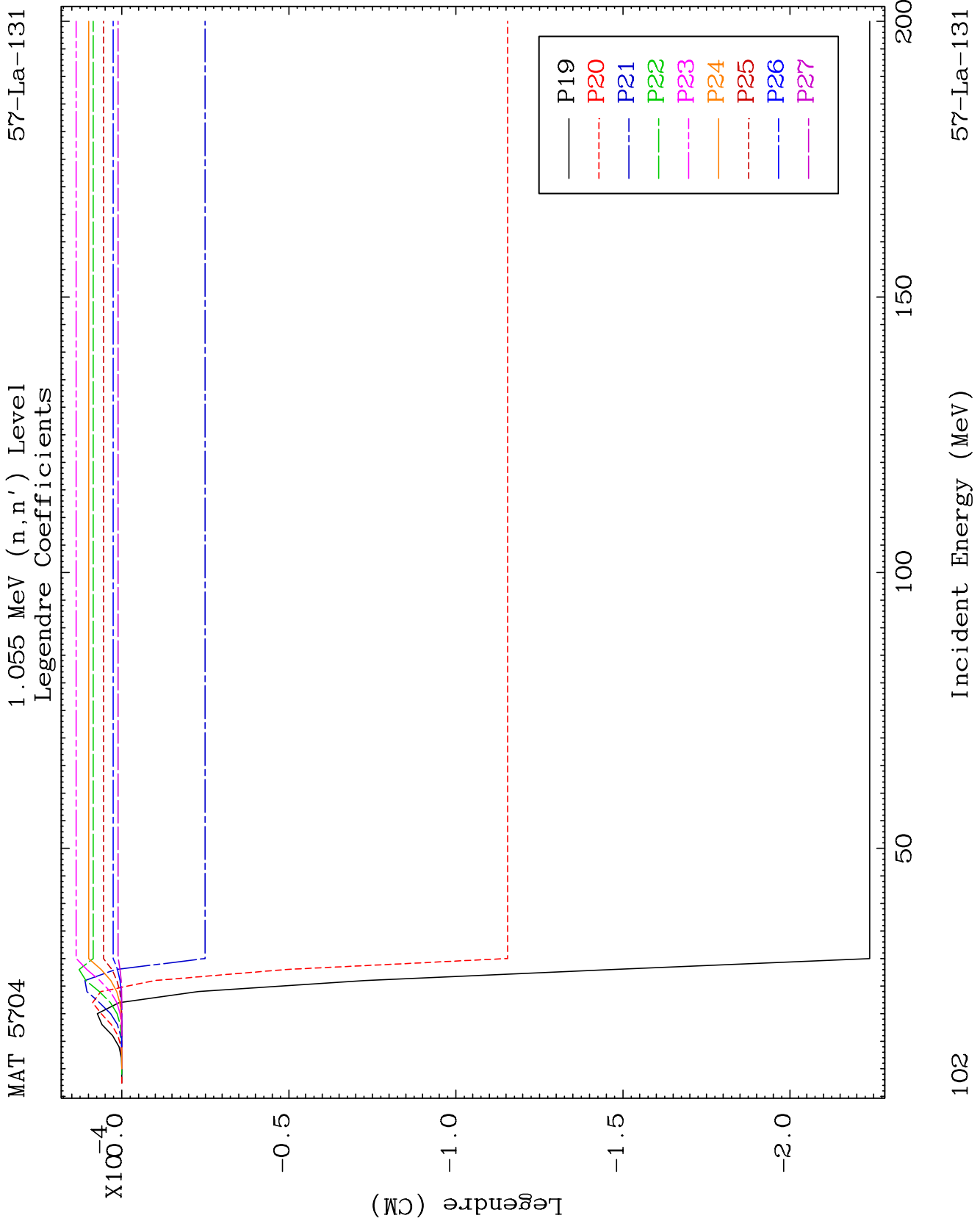


57-La-131

Incident Energy (MeV)

100

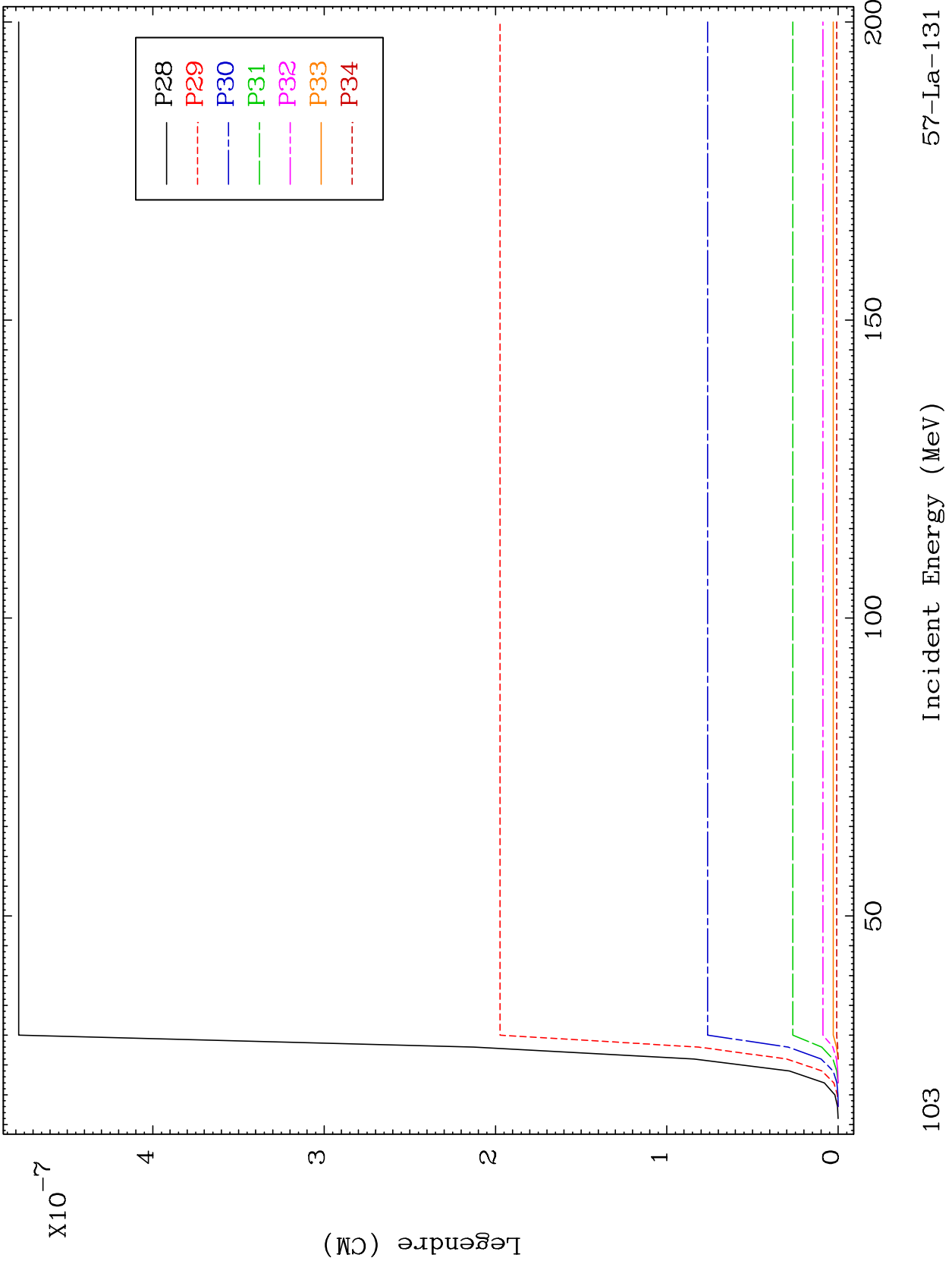




MAT 5704

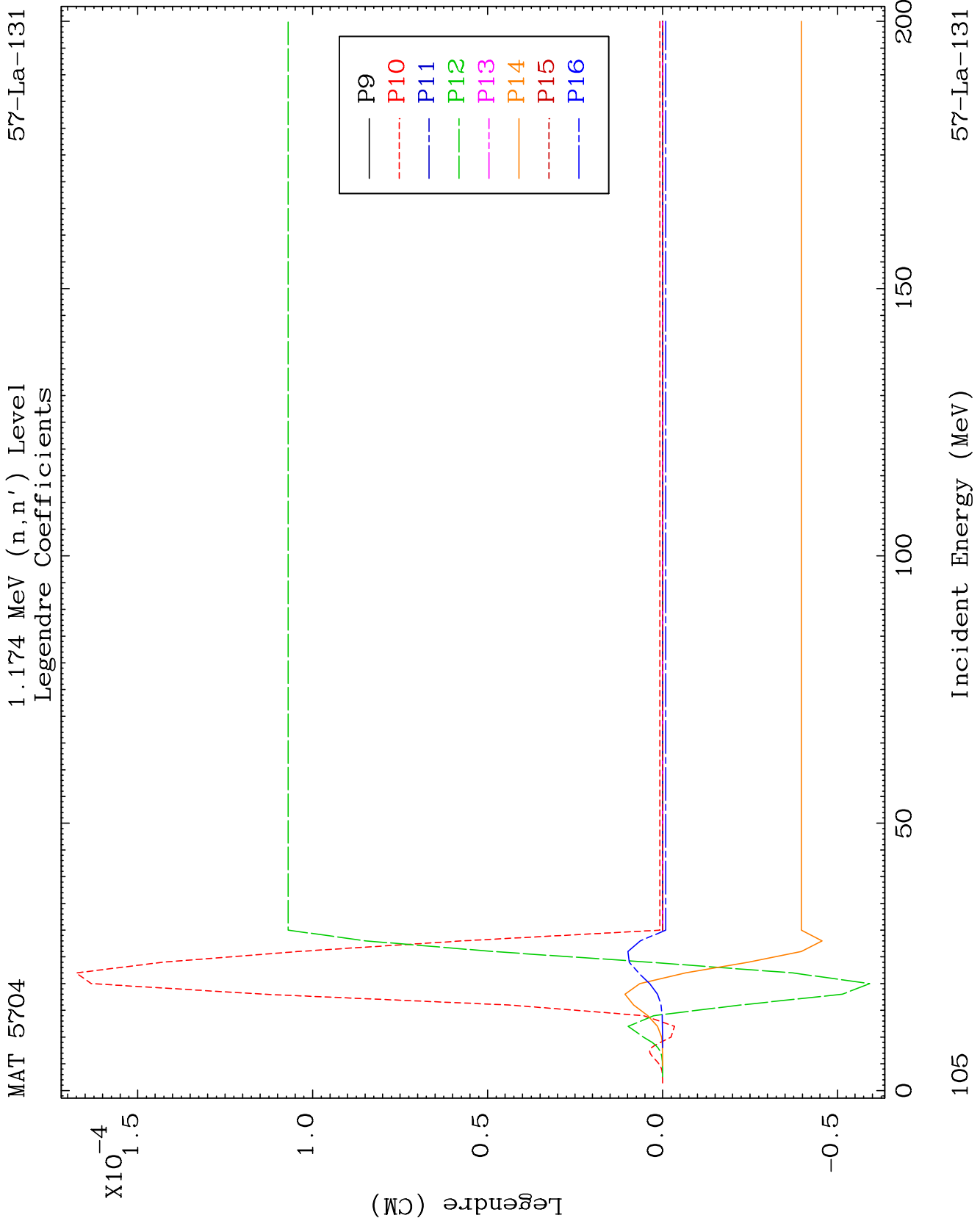
1.055 MeV (n,n') Level  
Legendre Coefficients

57-La-131







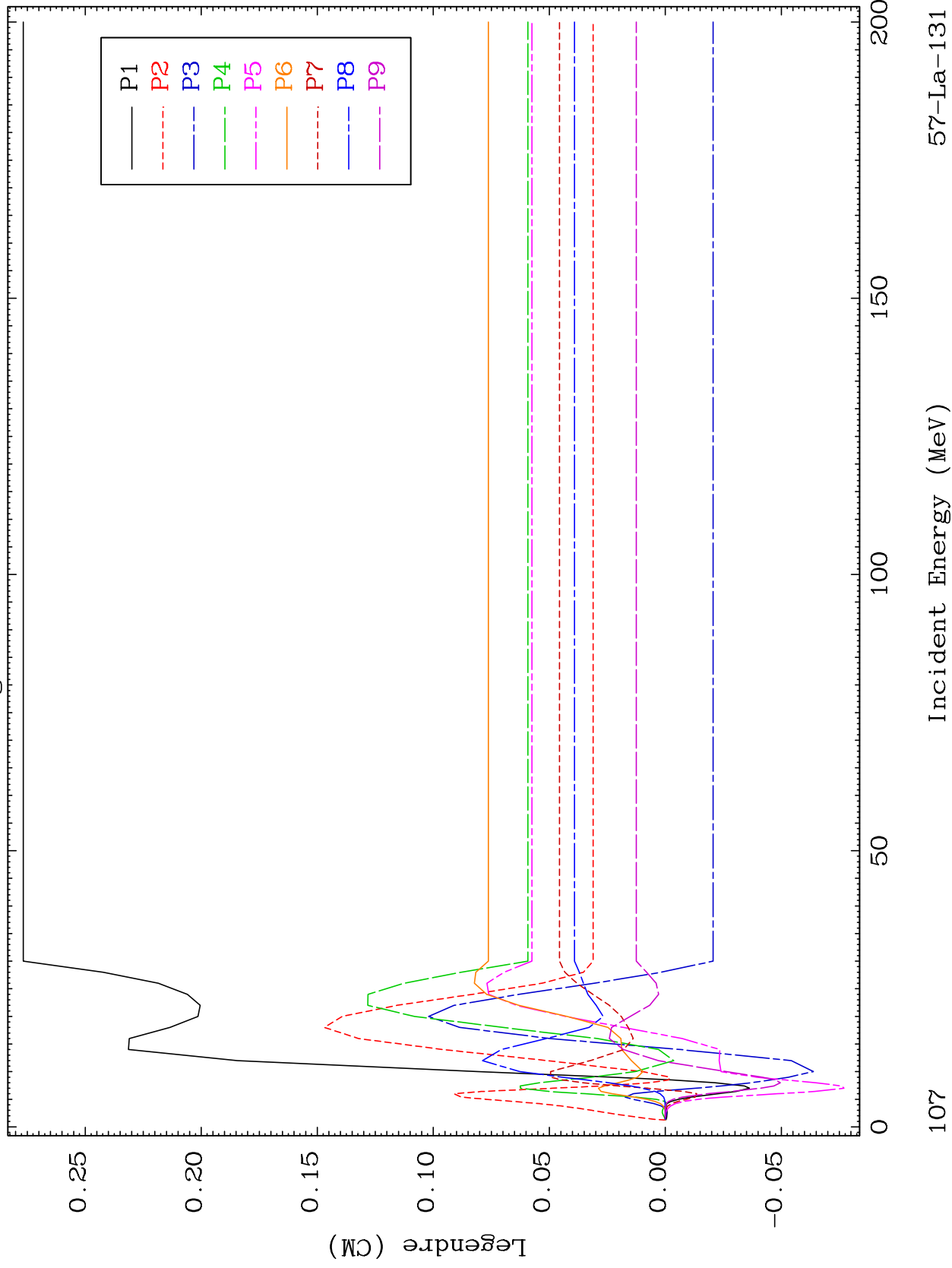




MAT 5704

1.224 MeV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

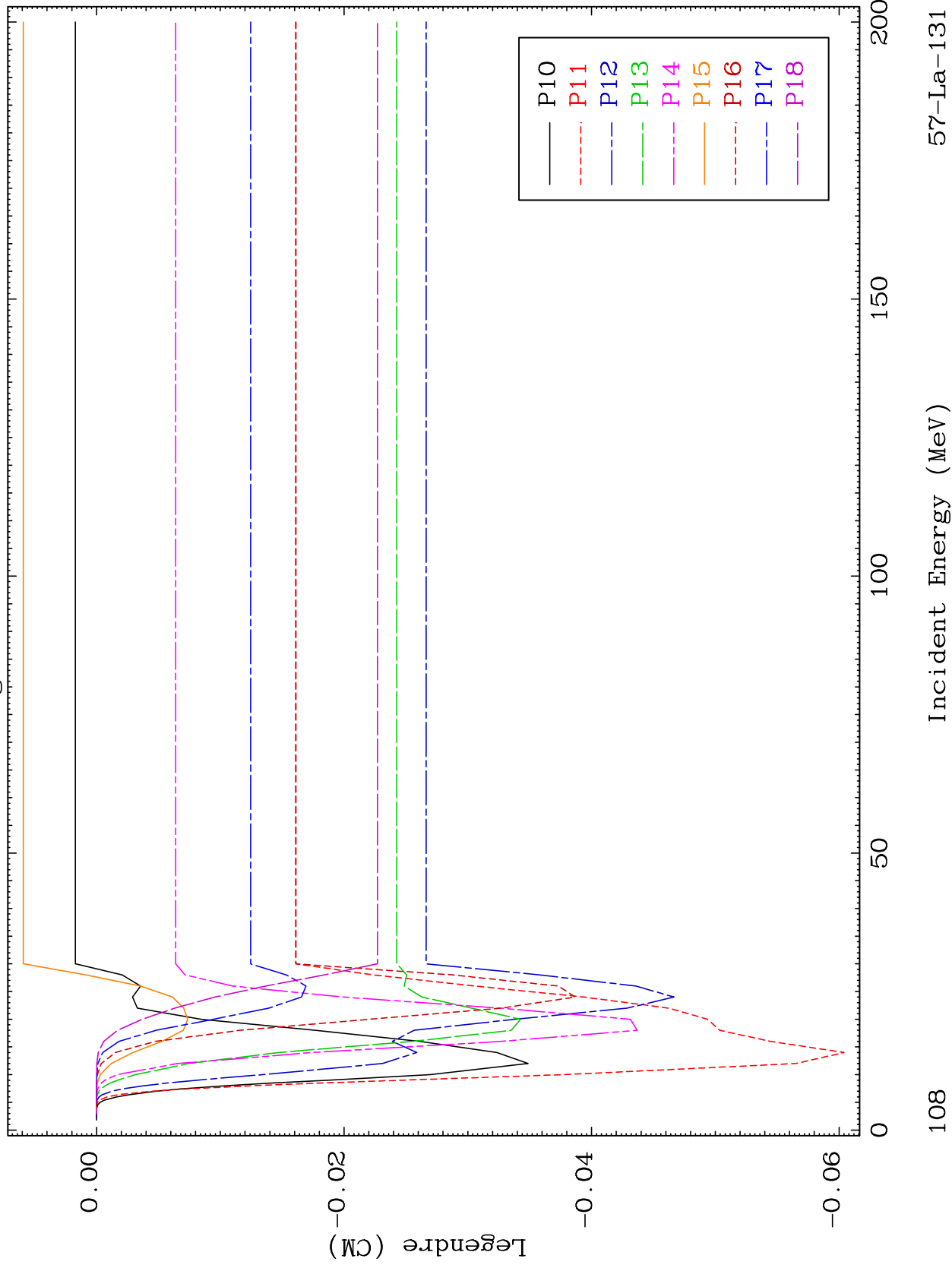
Incident Energy (MeV)

107

MAT 5704

1.224 MeV (n,n') Level  
Legendre Coefficients

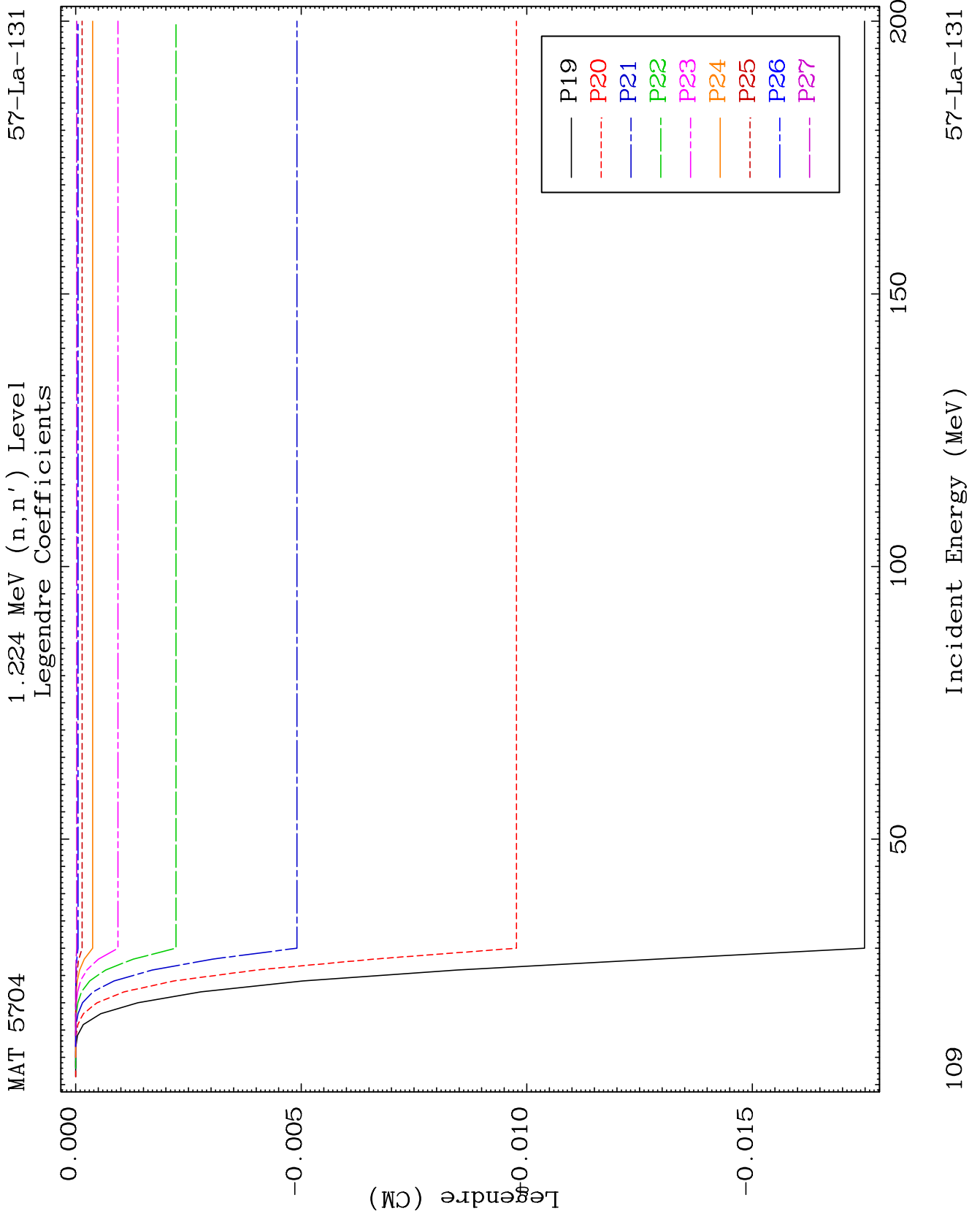
57-La-131

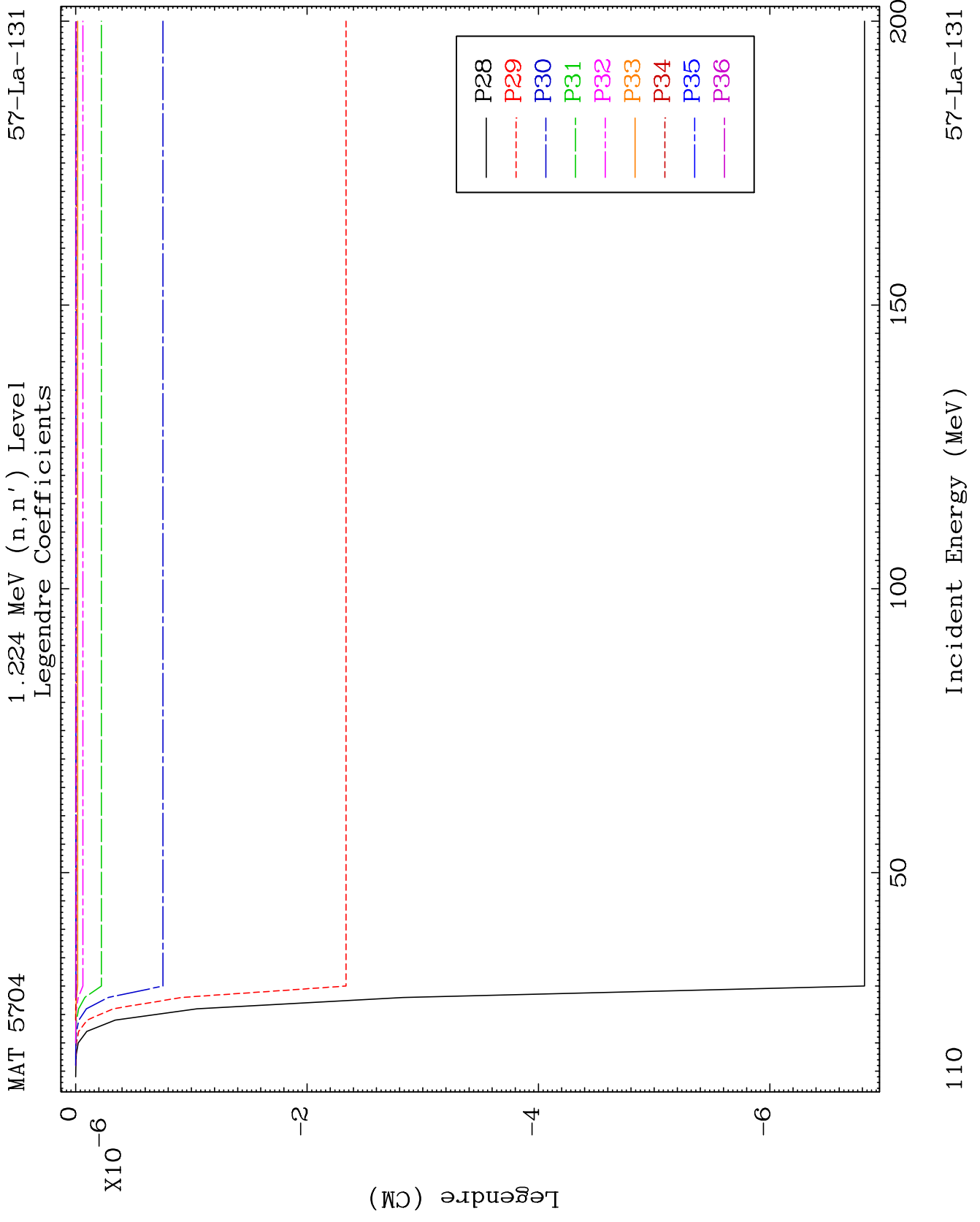


57-La-131

Incident Energy (MeV)

108

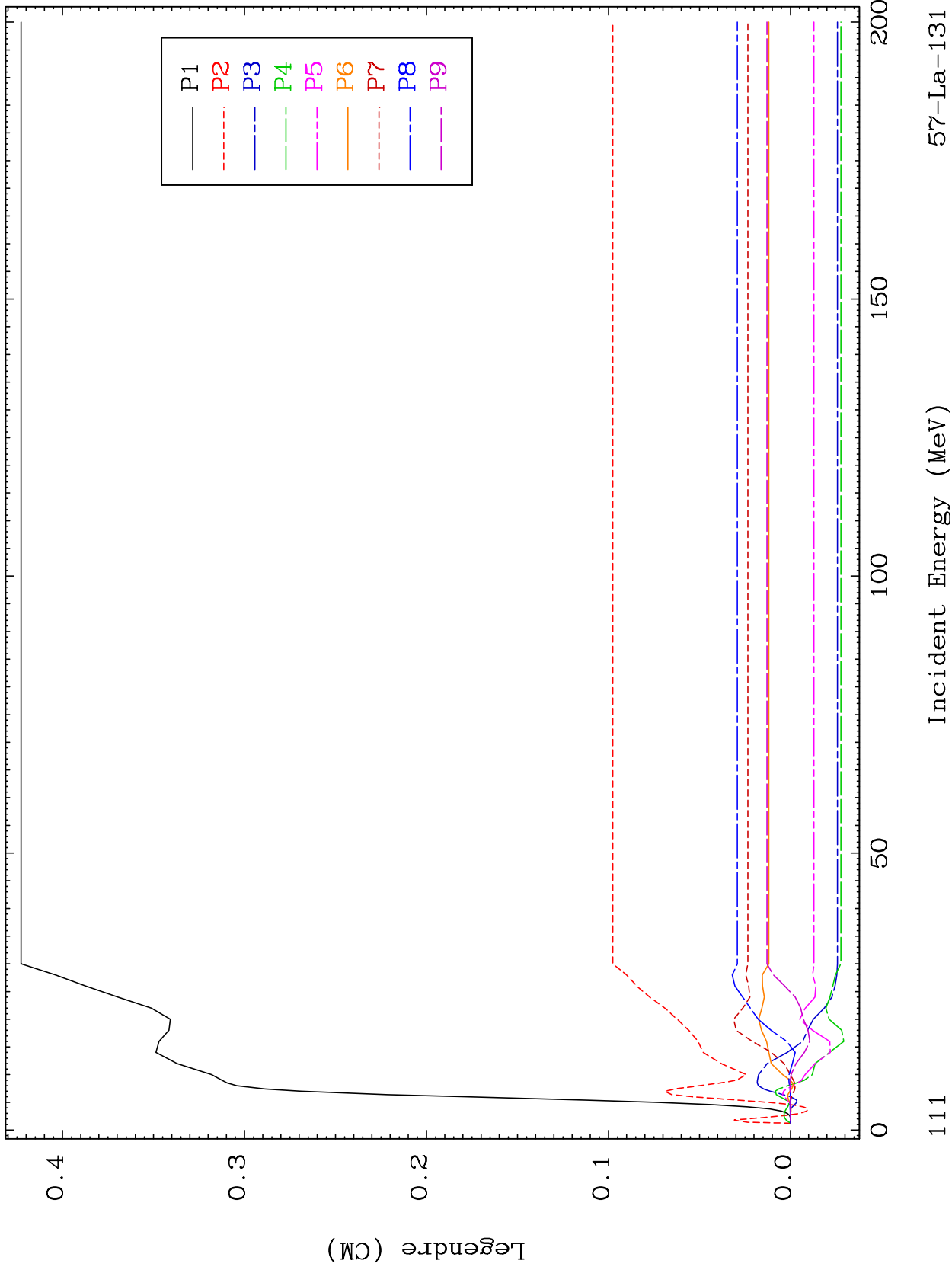




MAT 5704

1.226 MeV (n,n') Level  
Legendre Coefficients

57-La-131

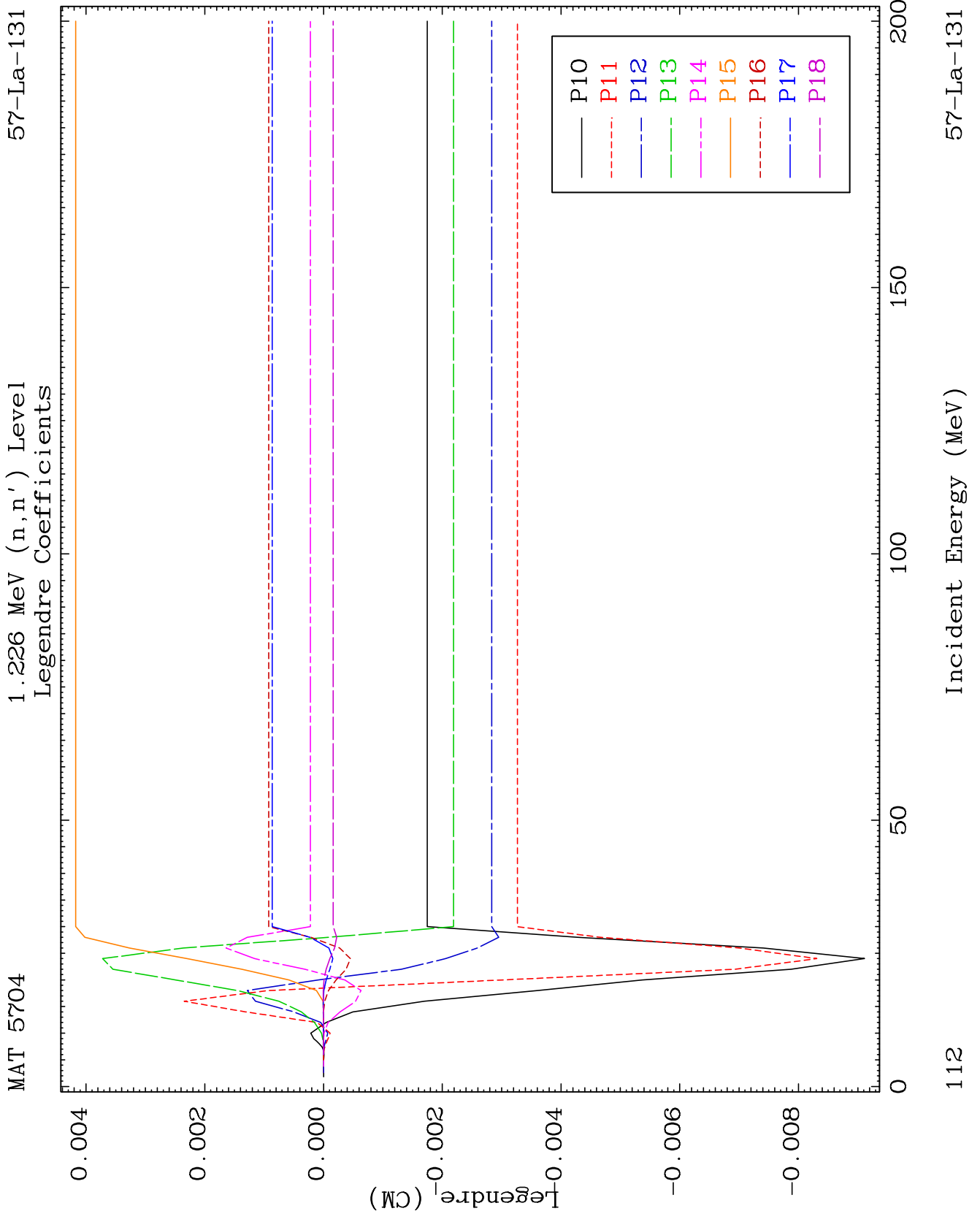


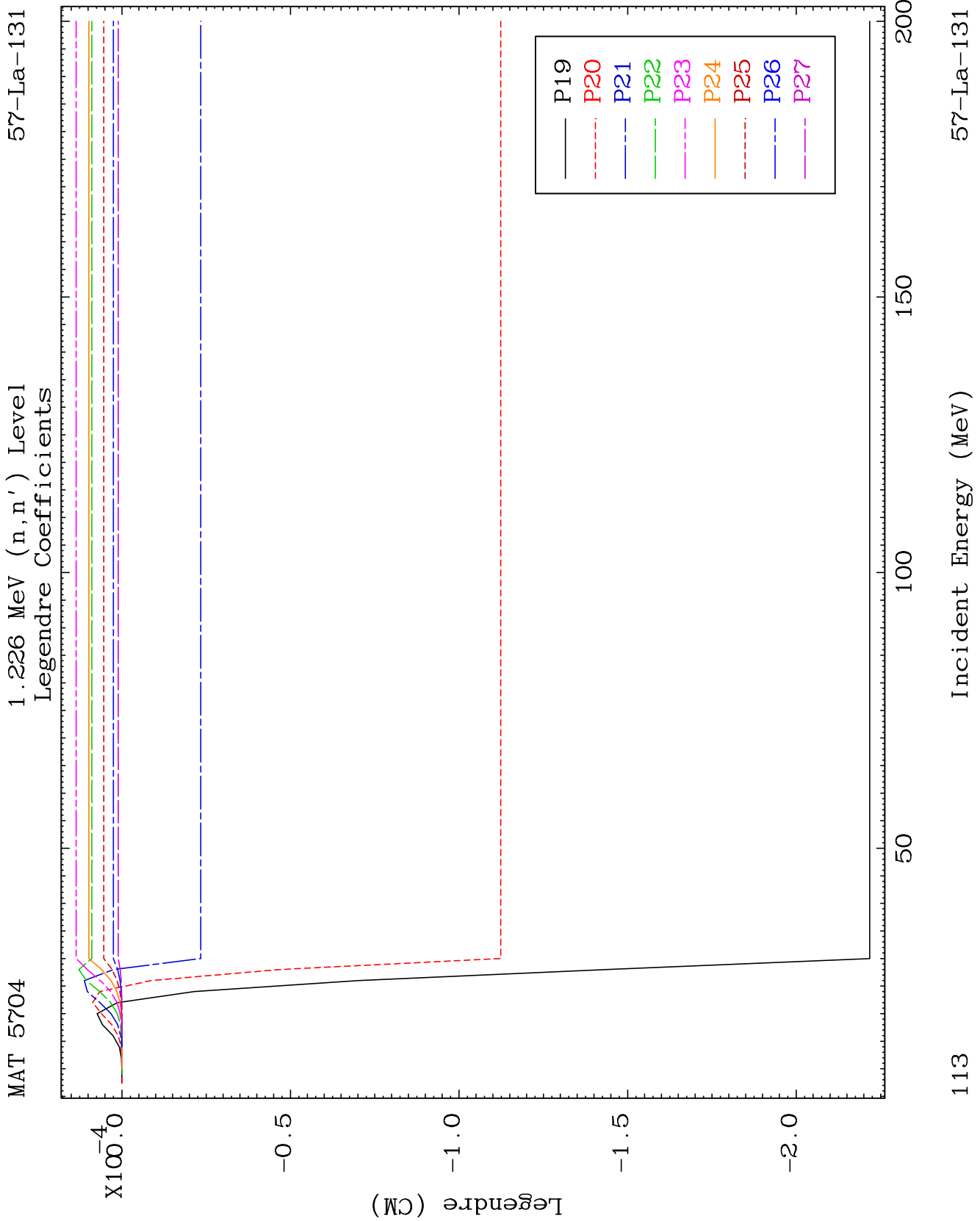
111

Incident Energy (MeV)

57-La-131



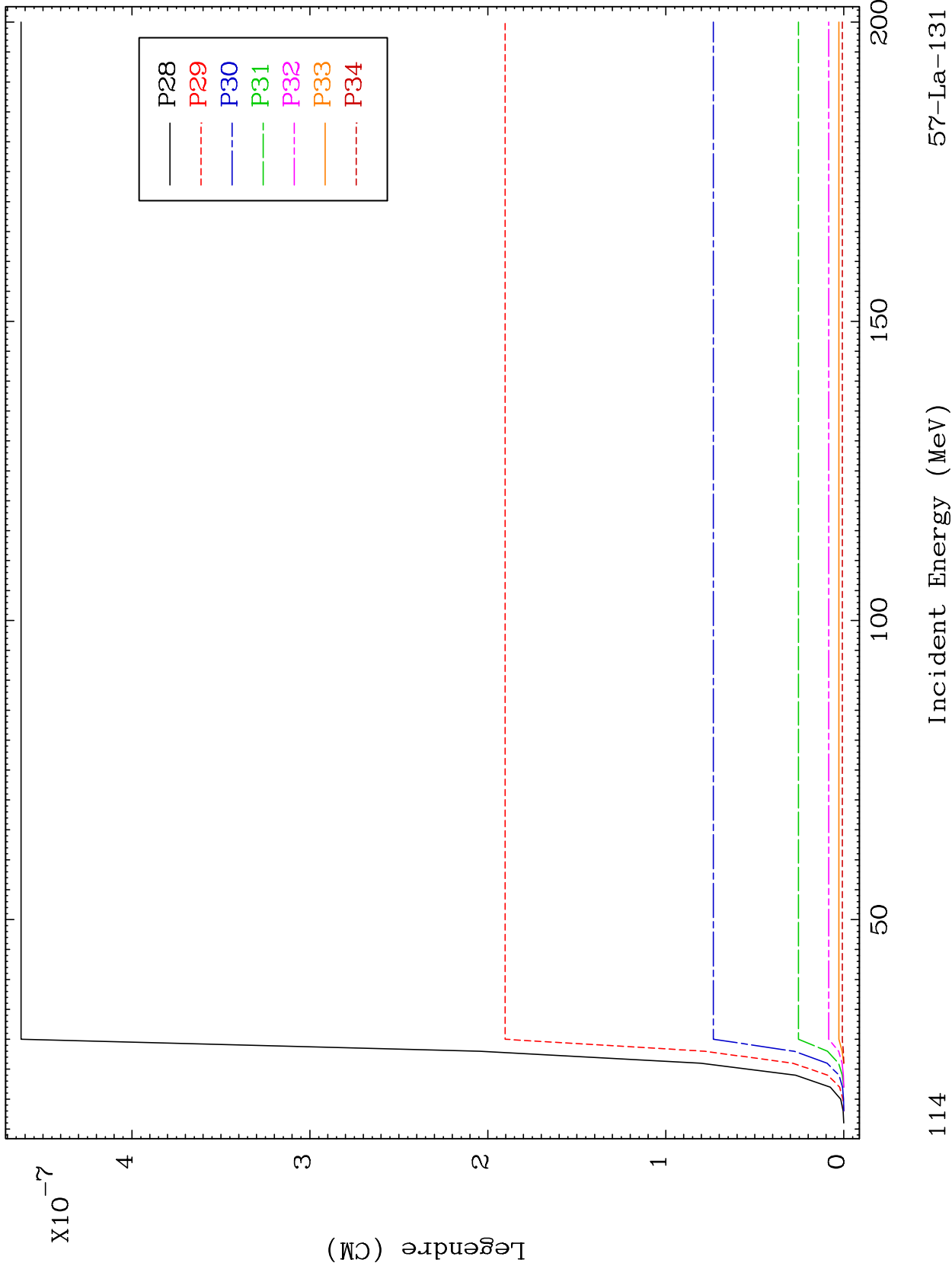




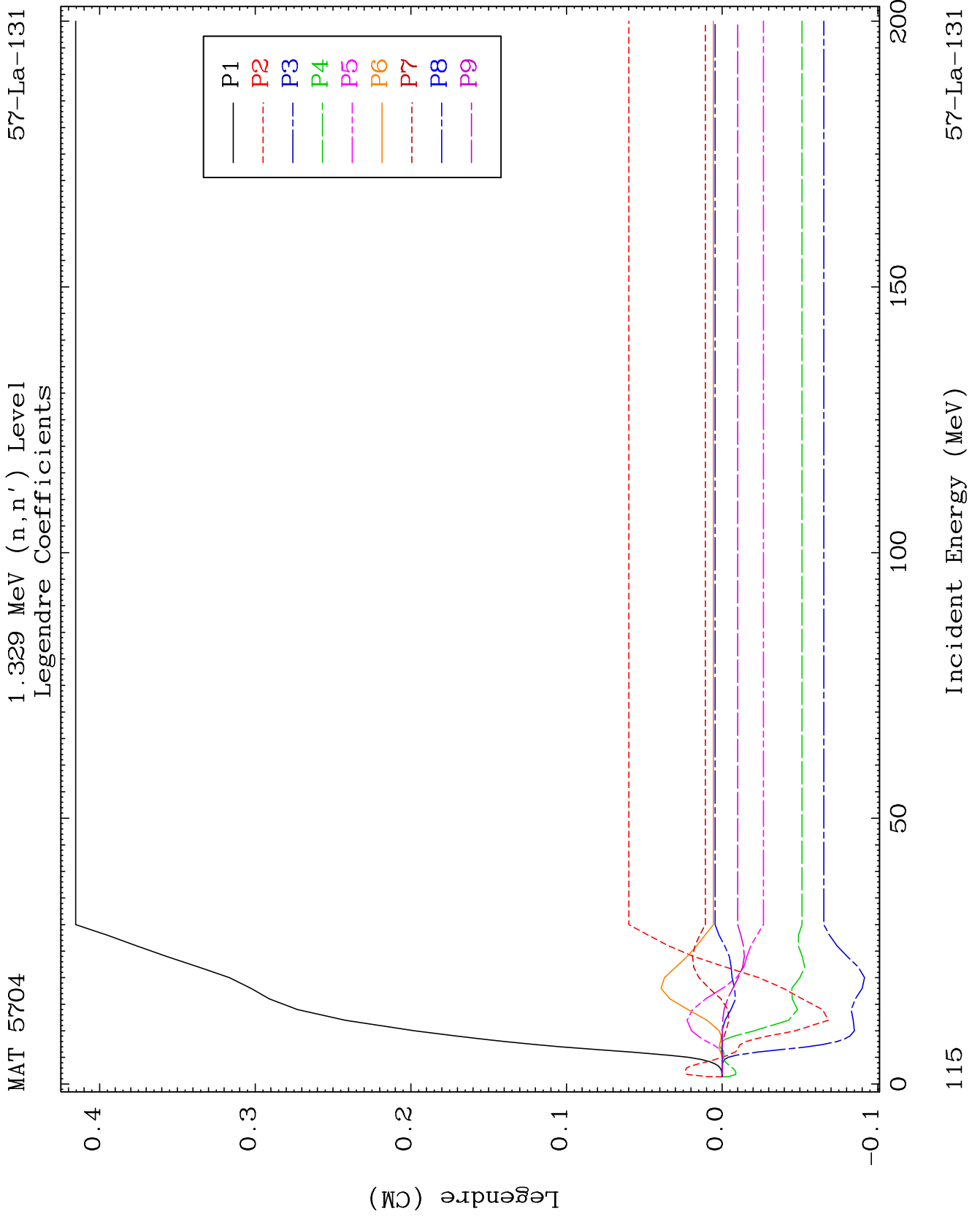
MAT 5704

1.226 MeV (n,n') Level  
Legendre Coefficients

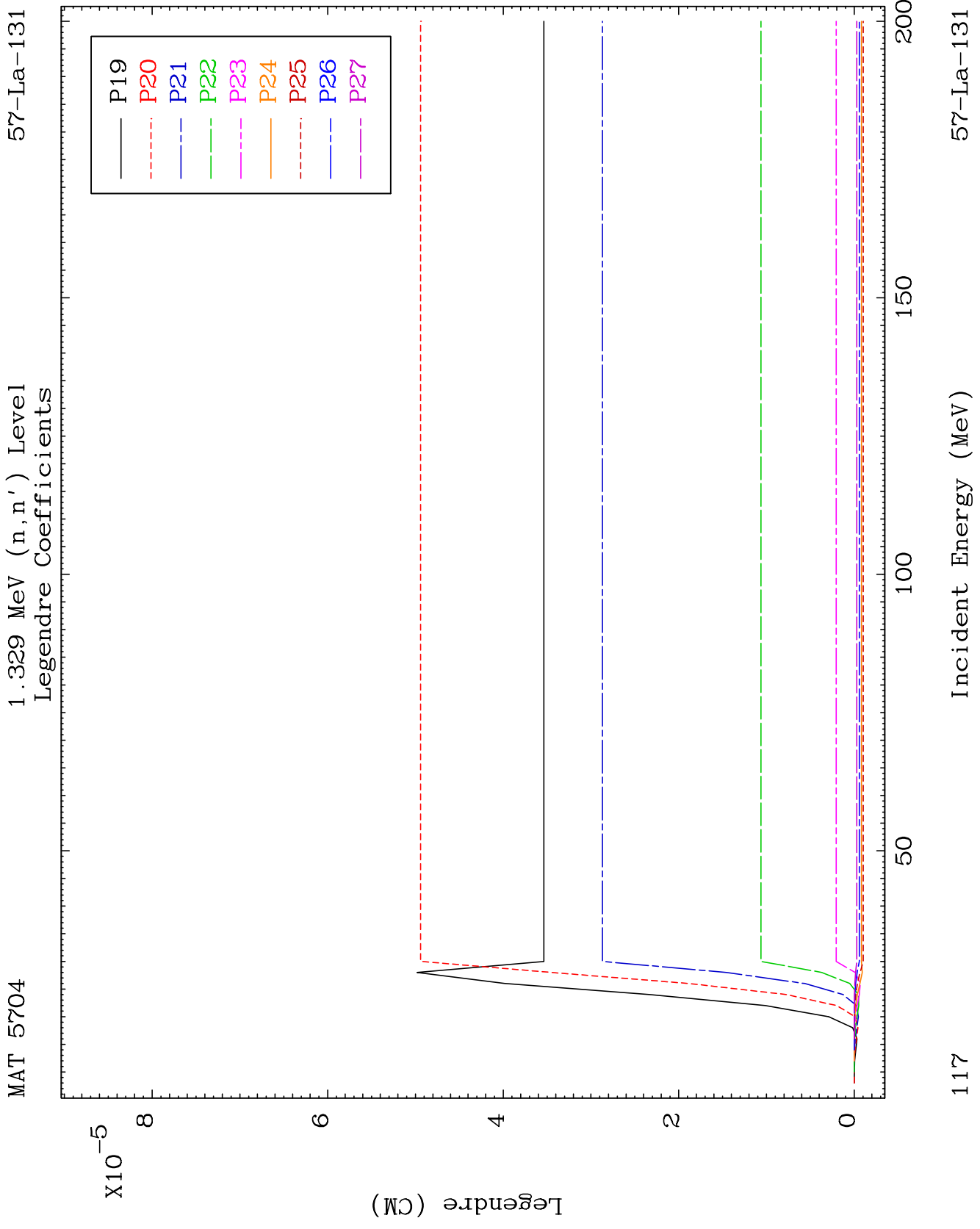
57-La-131

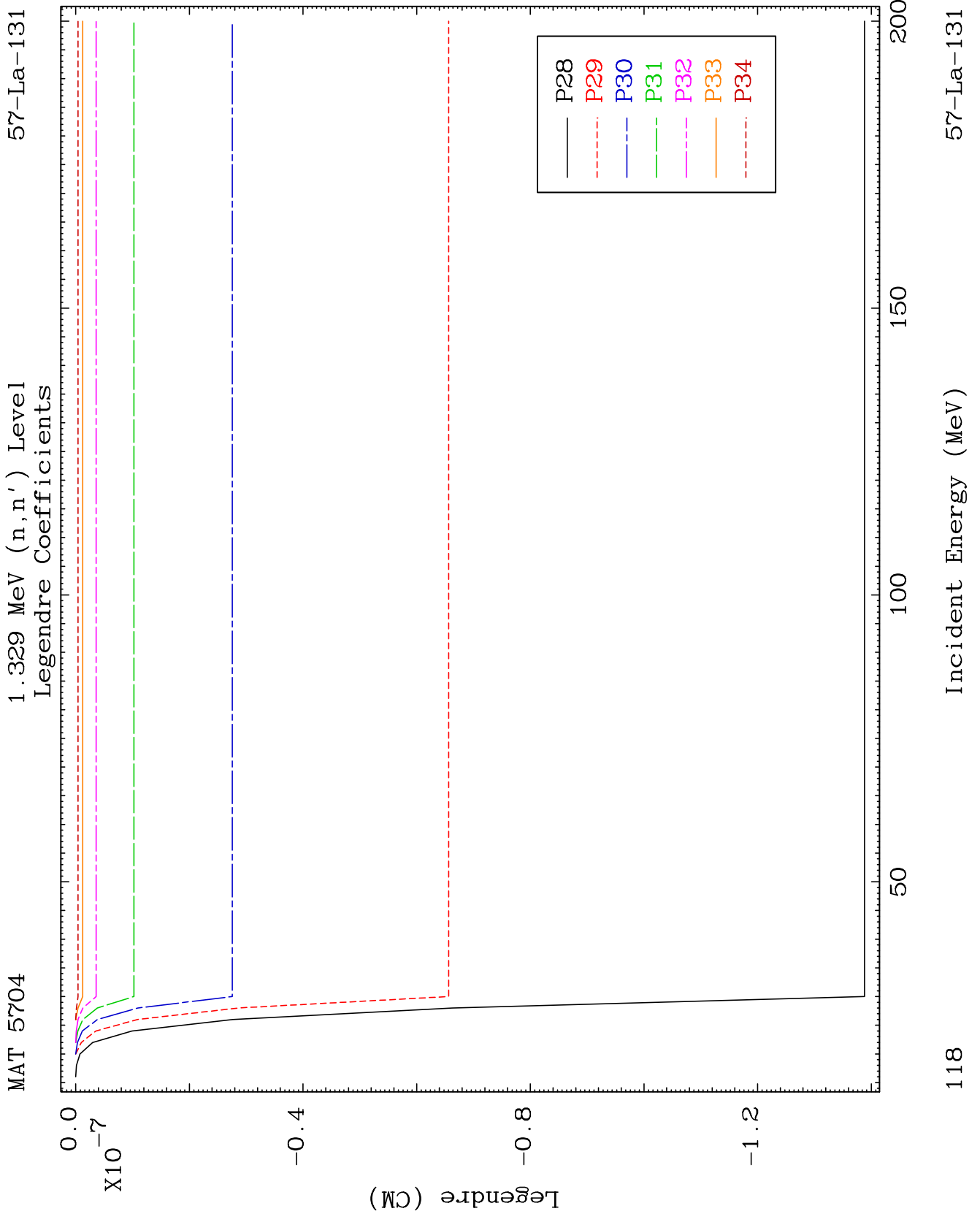


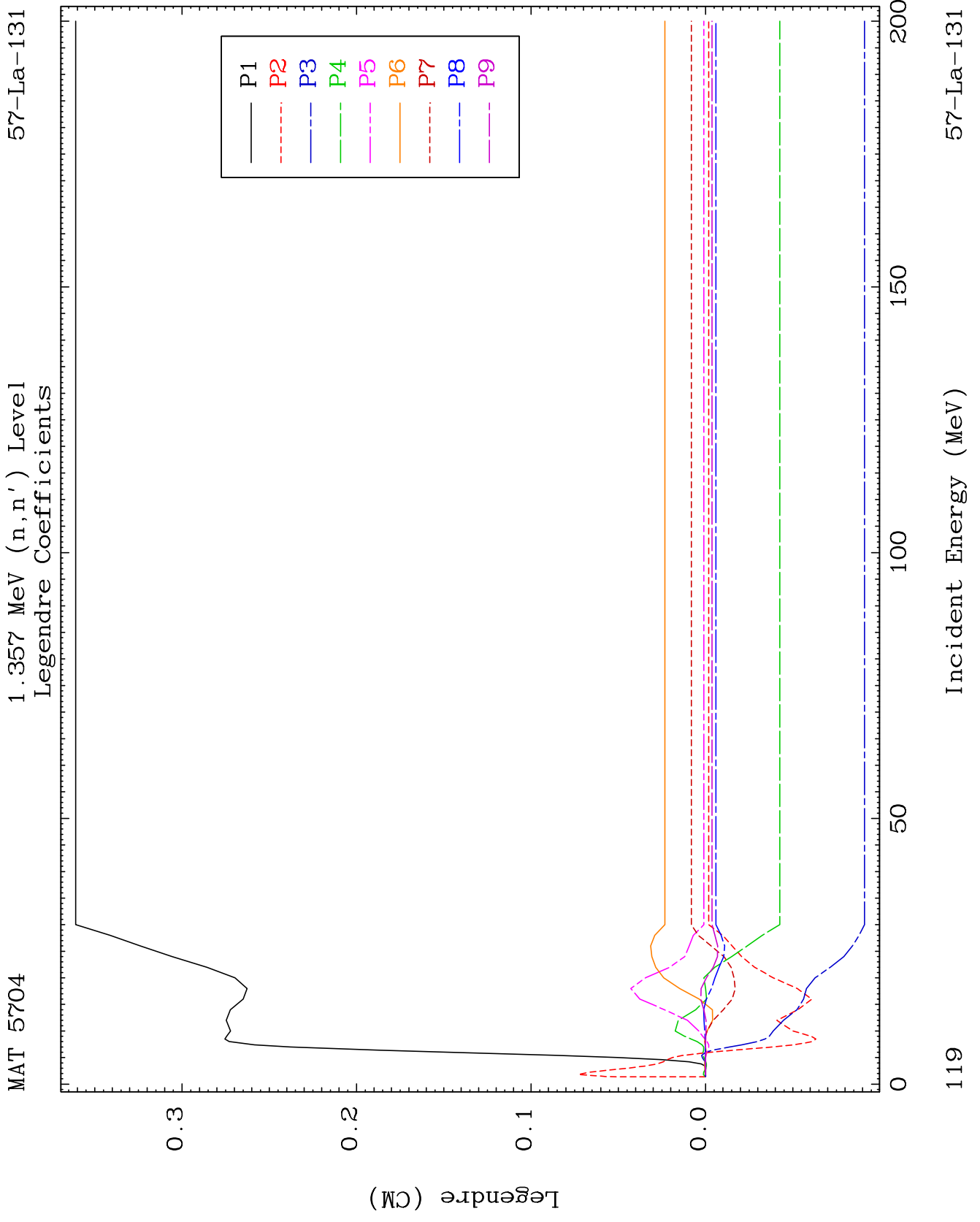
114









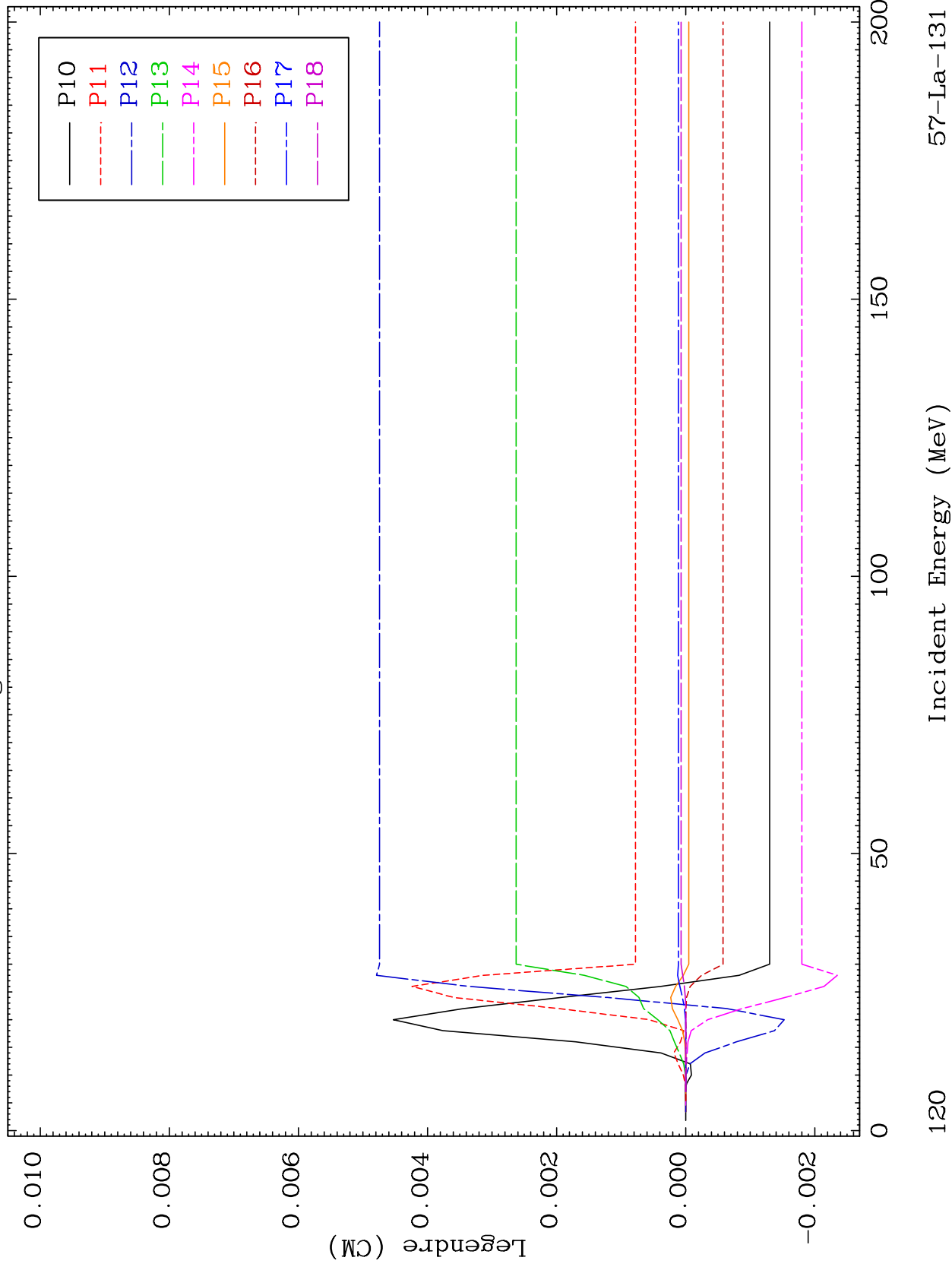




MAT 5704

1.357 MeV (n,n') Level  
Legendre Coefficients

57-La-131



57-La-131

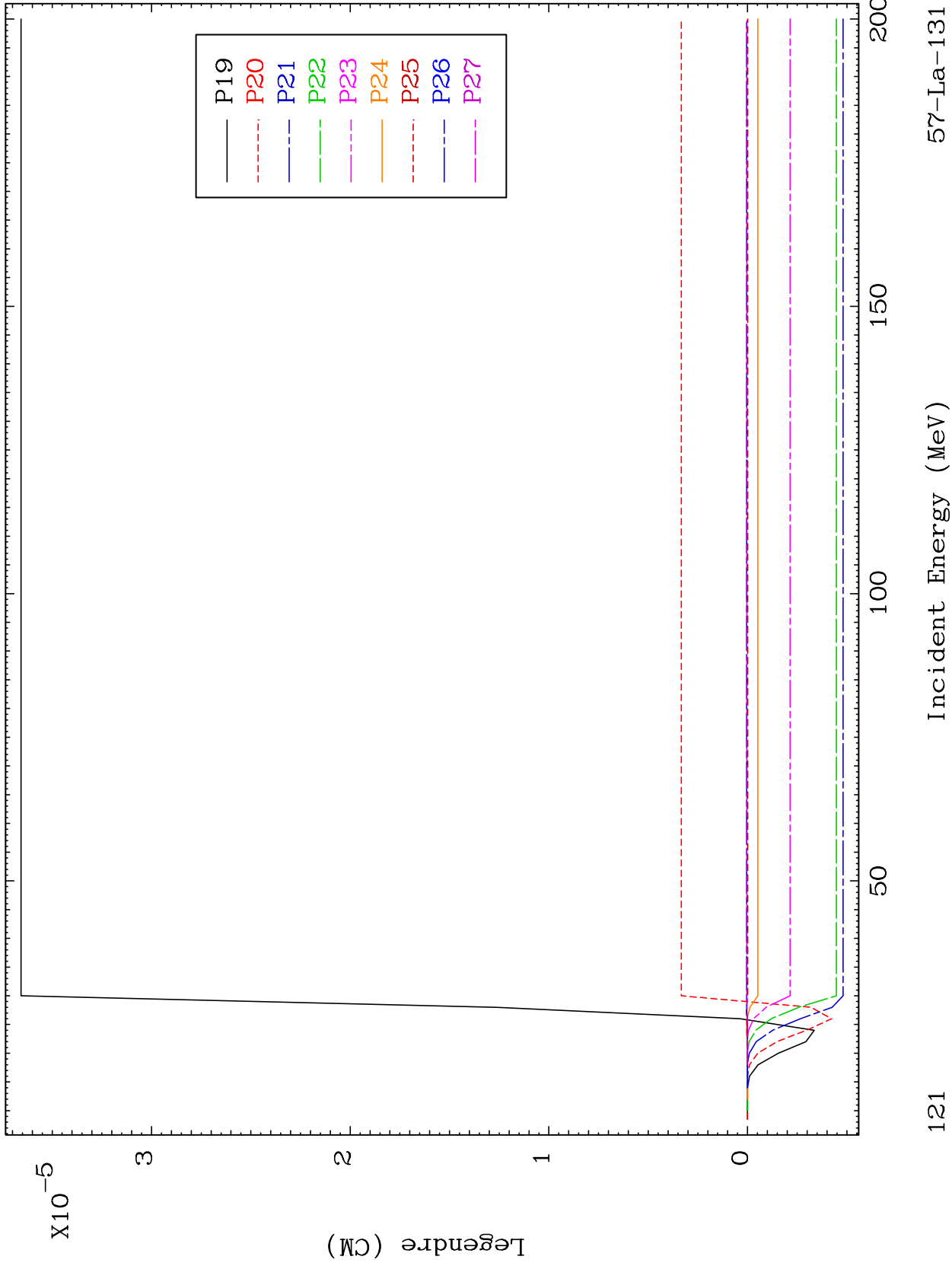
Incident Energy (MeV)

120

MAT 5704

1.357 MeV (n,n') Level  
Legendre Coefficients

57-La-131



121

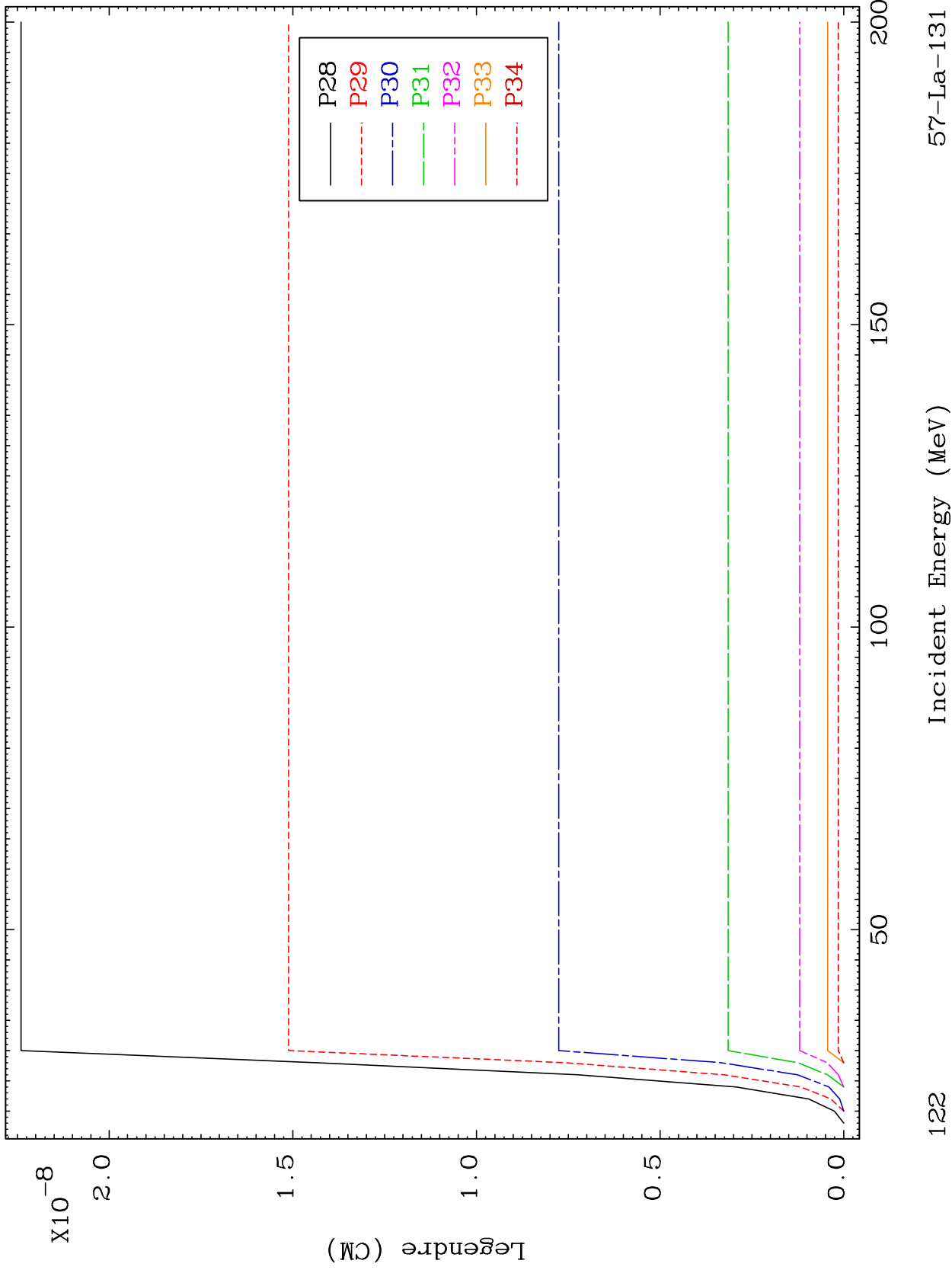
Incident Energy (MeV)

57-La-131

MAT 5704

1.357 MeV (n,n') Level  
Legendre Coefficients

57-La-131



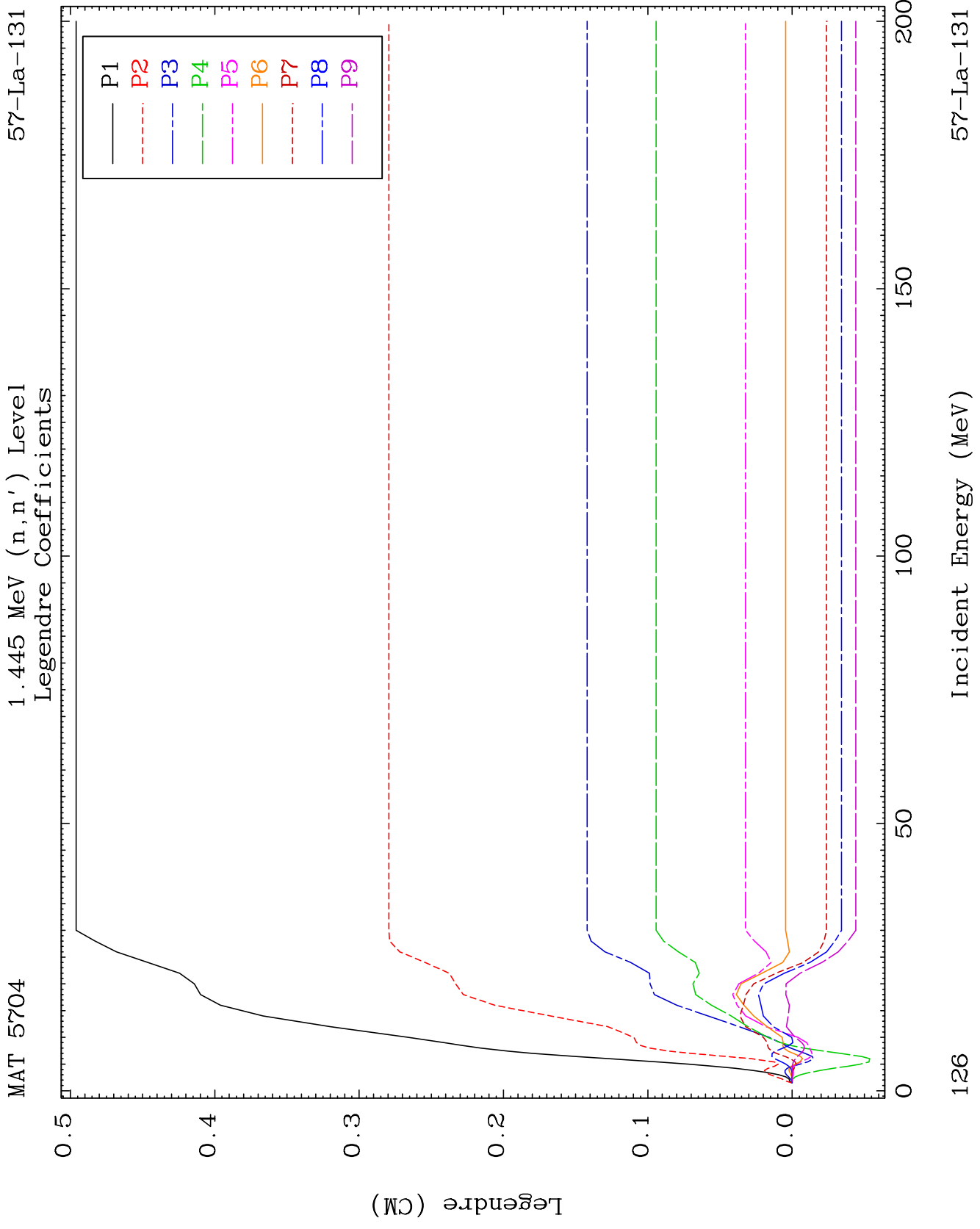
122

57-La-131









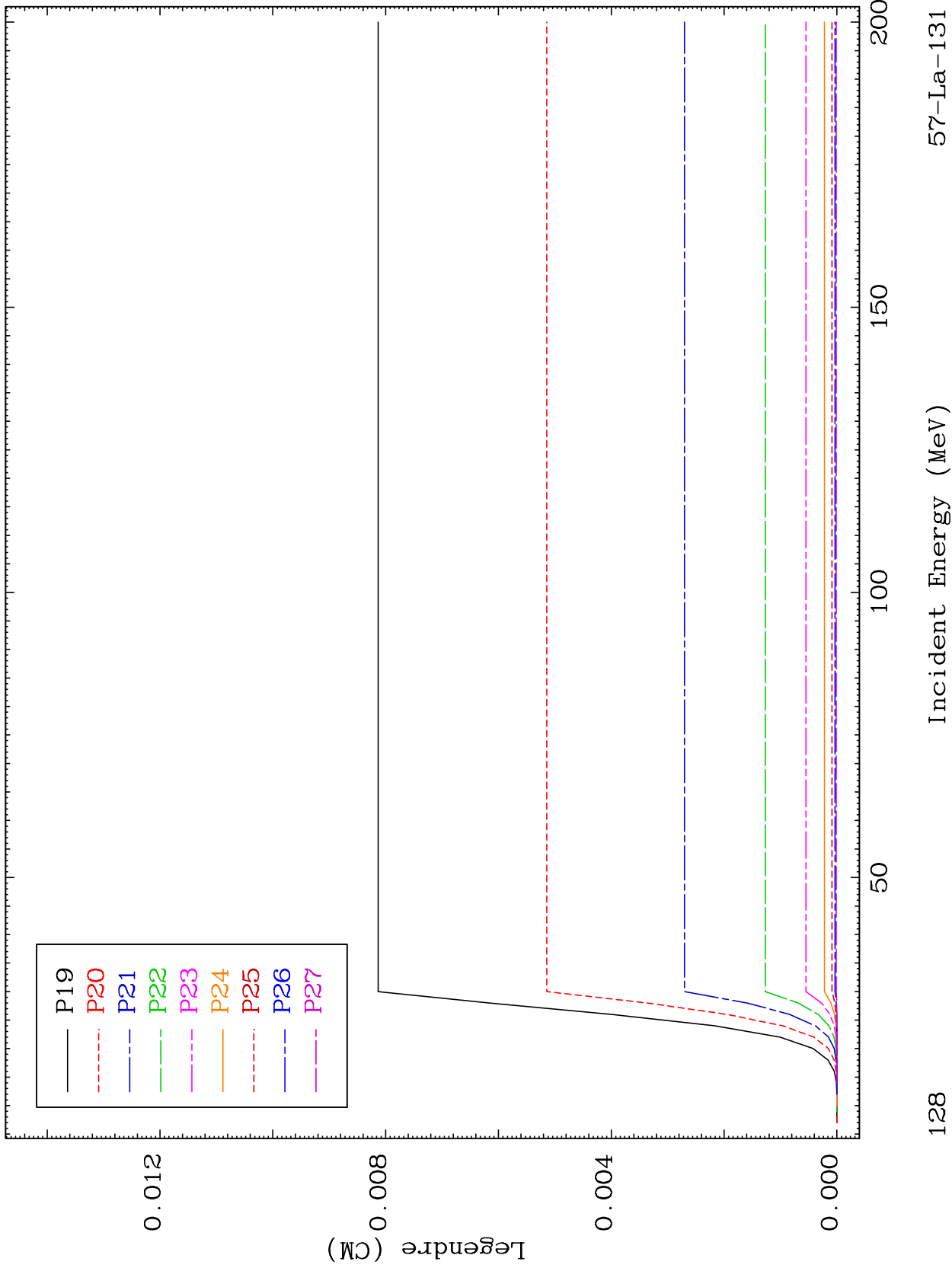




MAT 5704

1.445 MeV (n,n') Level  
Legendre Coefficients

57-La-131



128

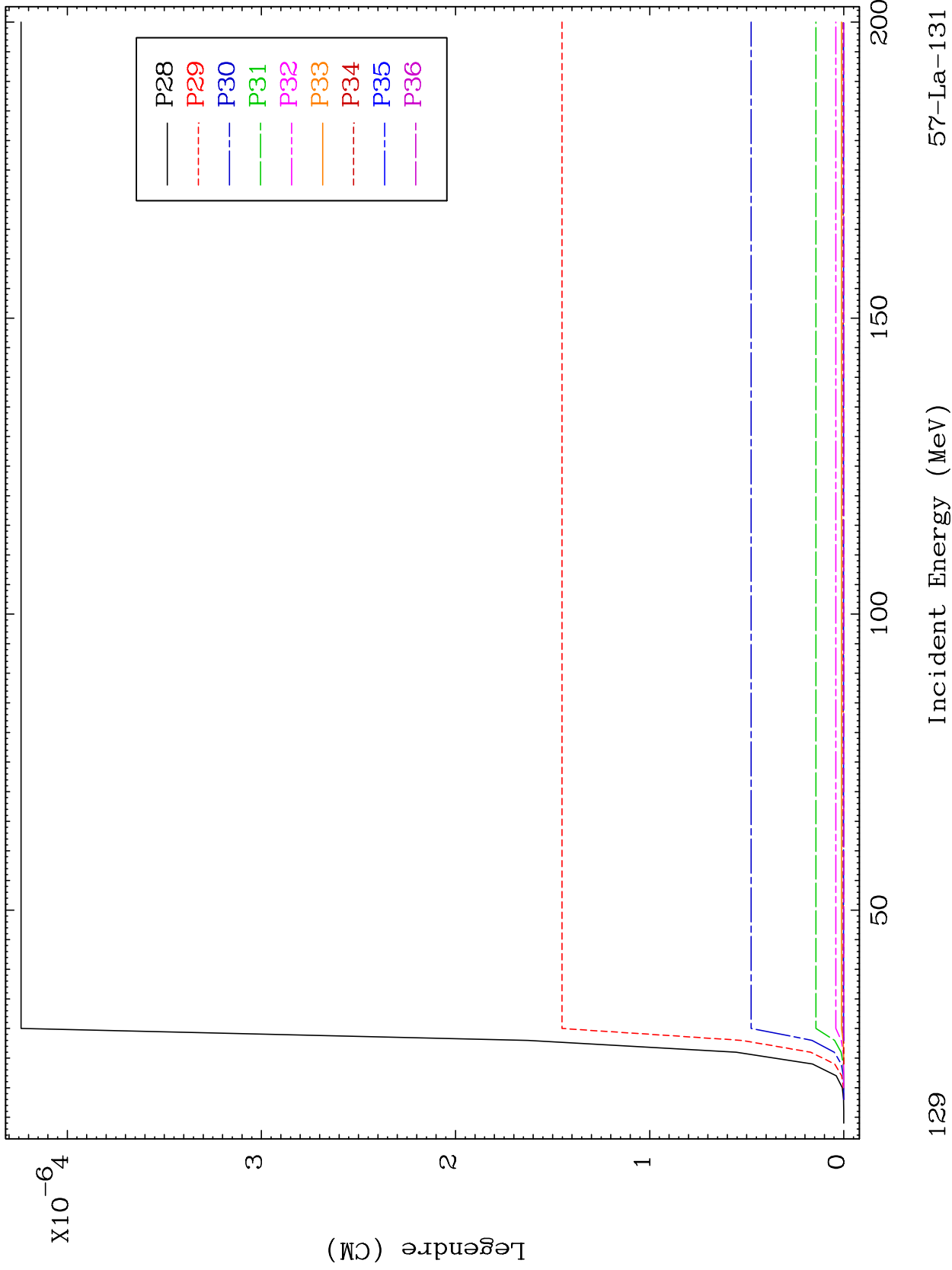
Incident Energy (MeV)

57-La-131

MAT 5704

1.445 MeV (n, n') Level  
Legendre Coefficients

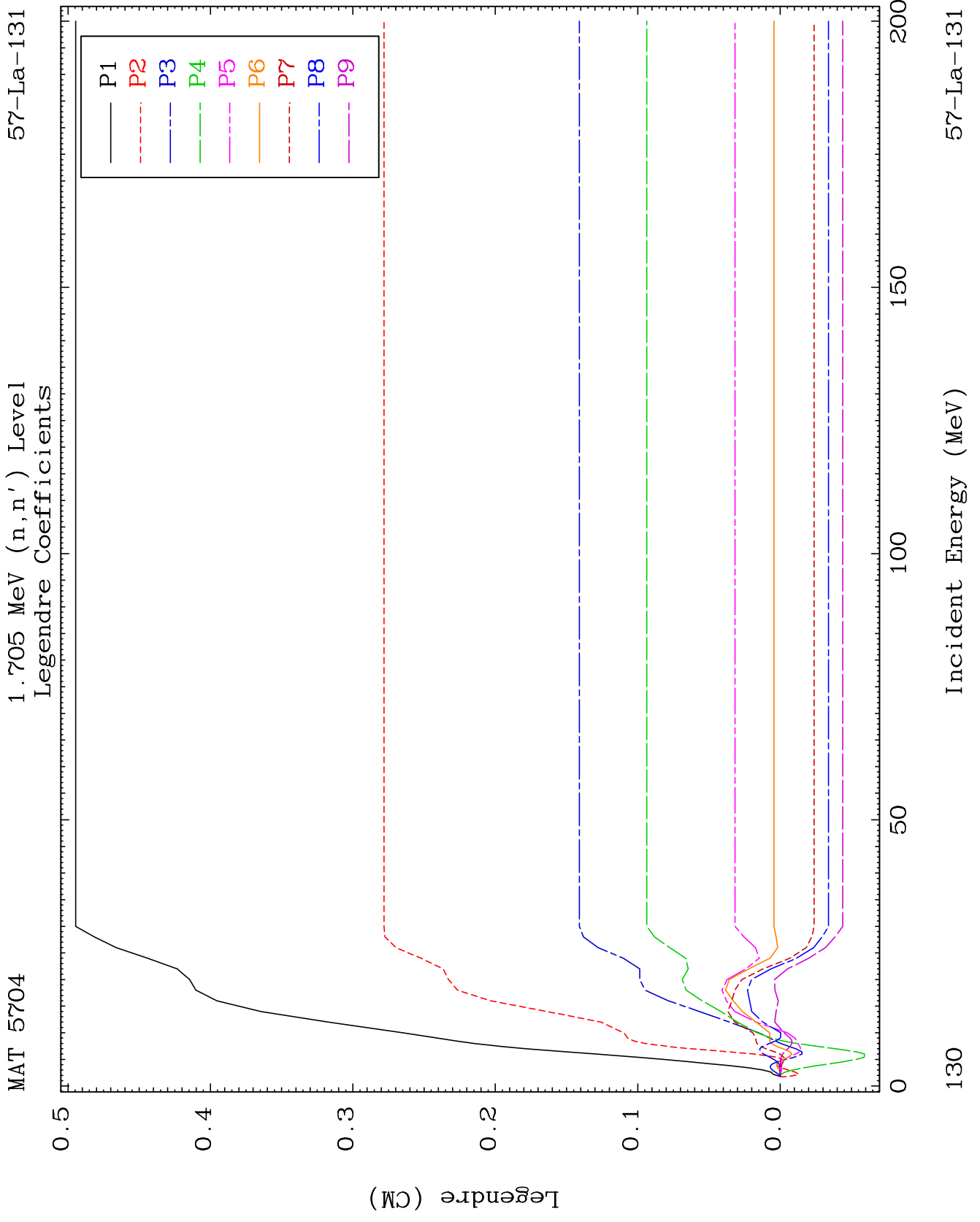
57-La-131

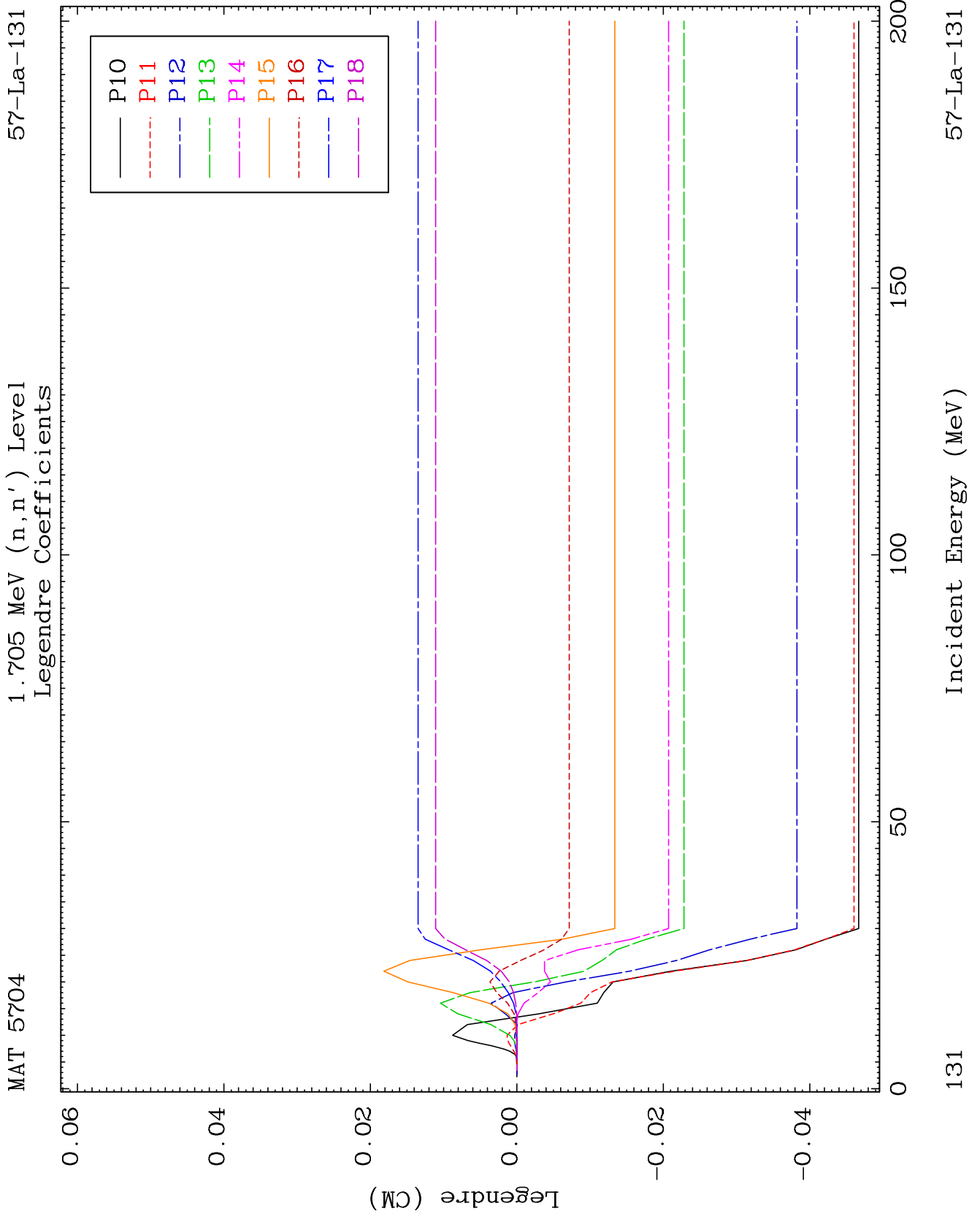


129

Incident Energy (MeV)

57-La-131

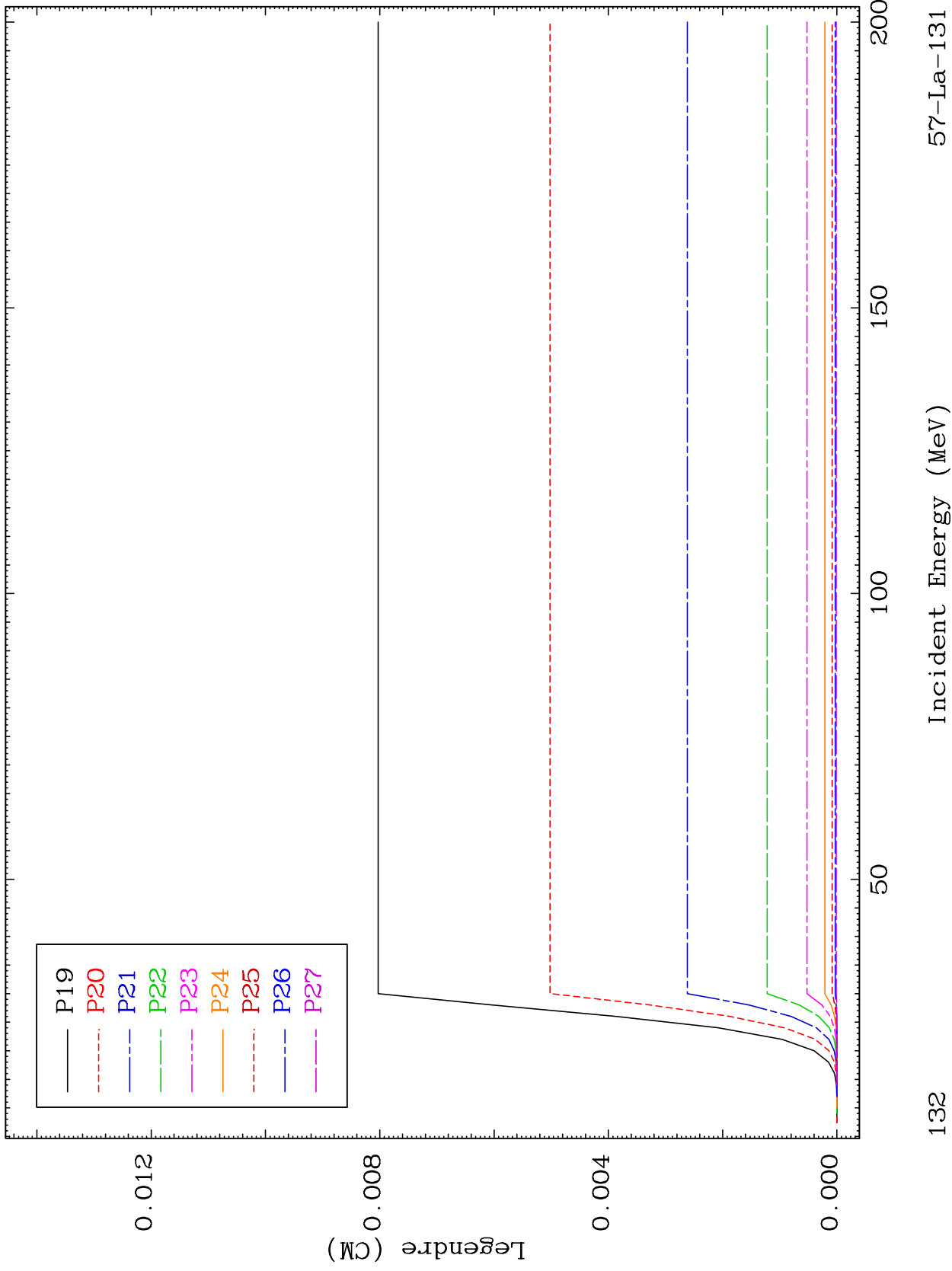




MAT 5704

1.705 MeV (n,n') Level  
Legendre Coefficients

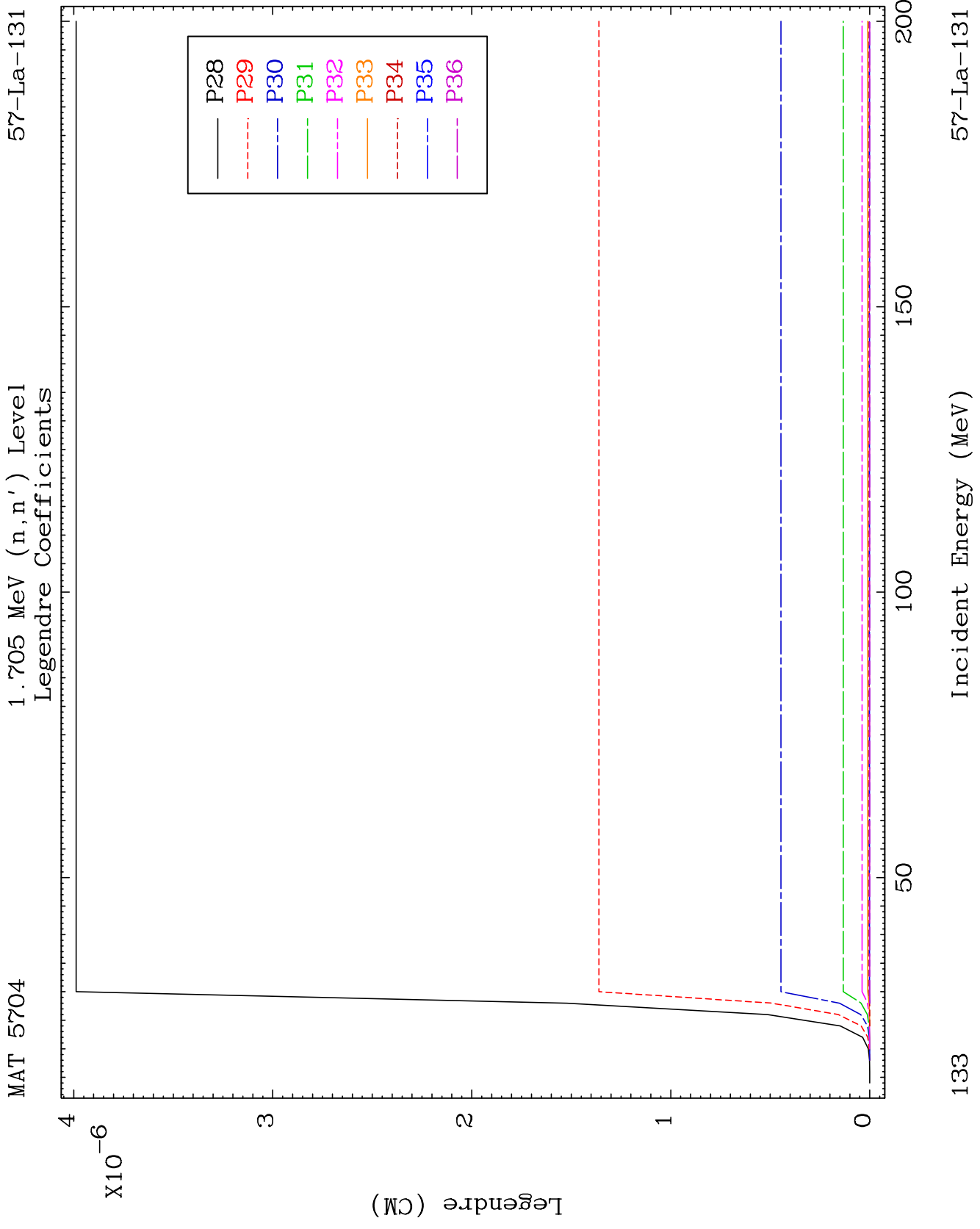
57-La-131



132

Incident Energy (MeV)

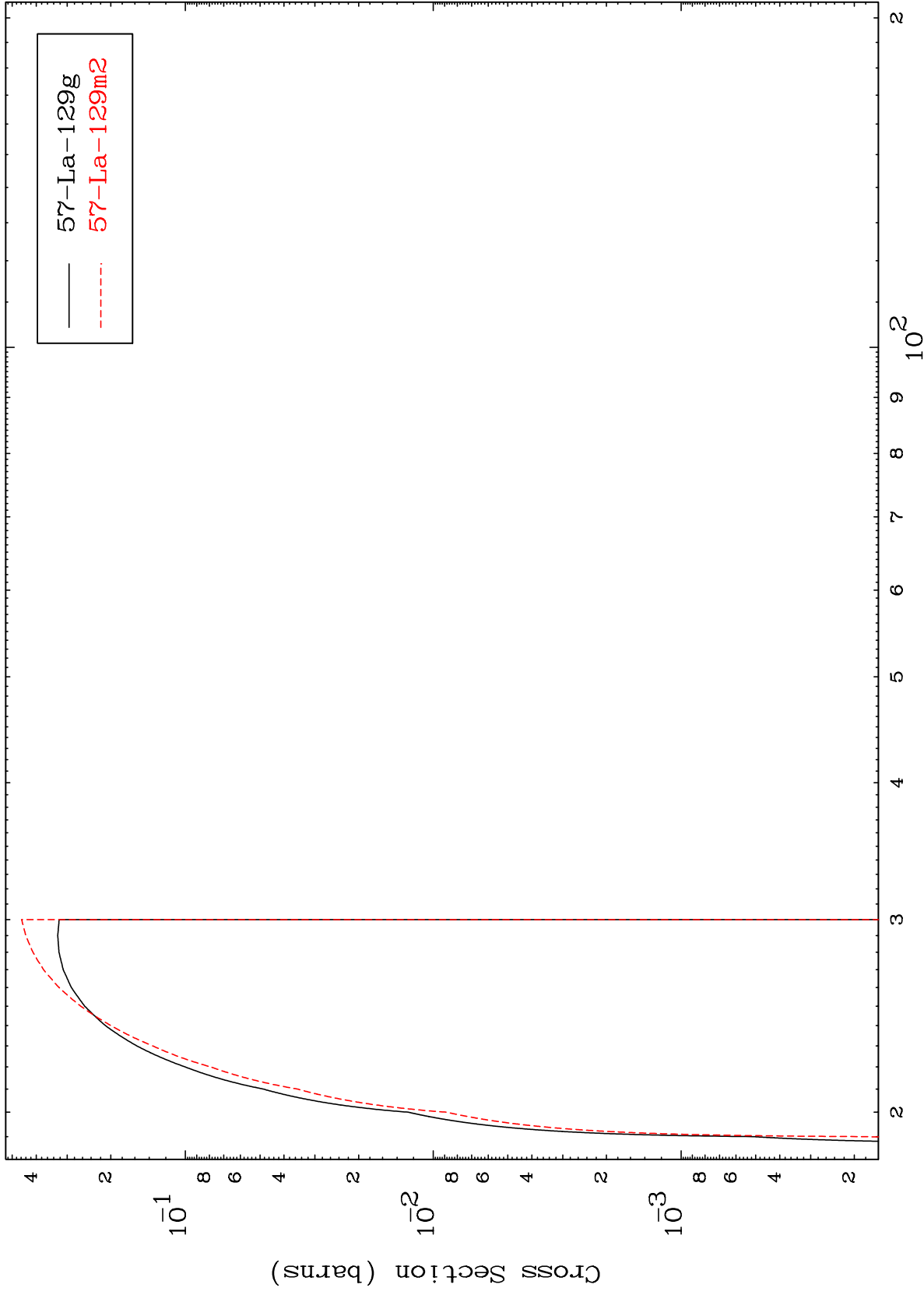
57-La-131



MAT 5704

57-La-131

(n,3n)  
Radionuclide Production Cross Section



134

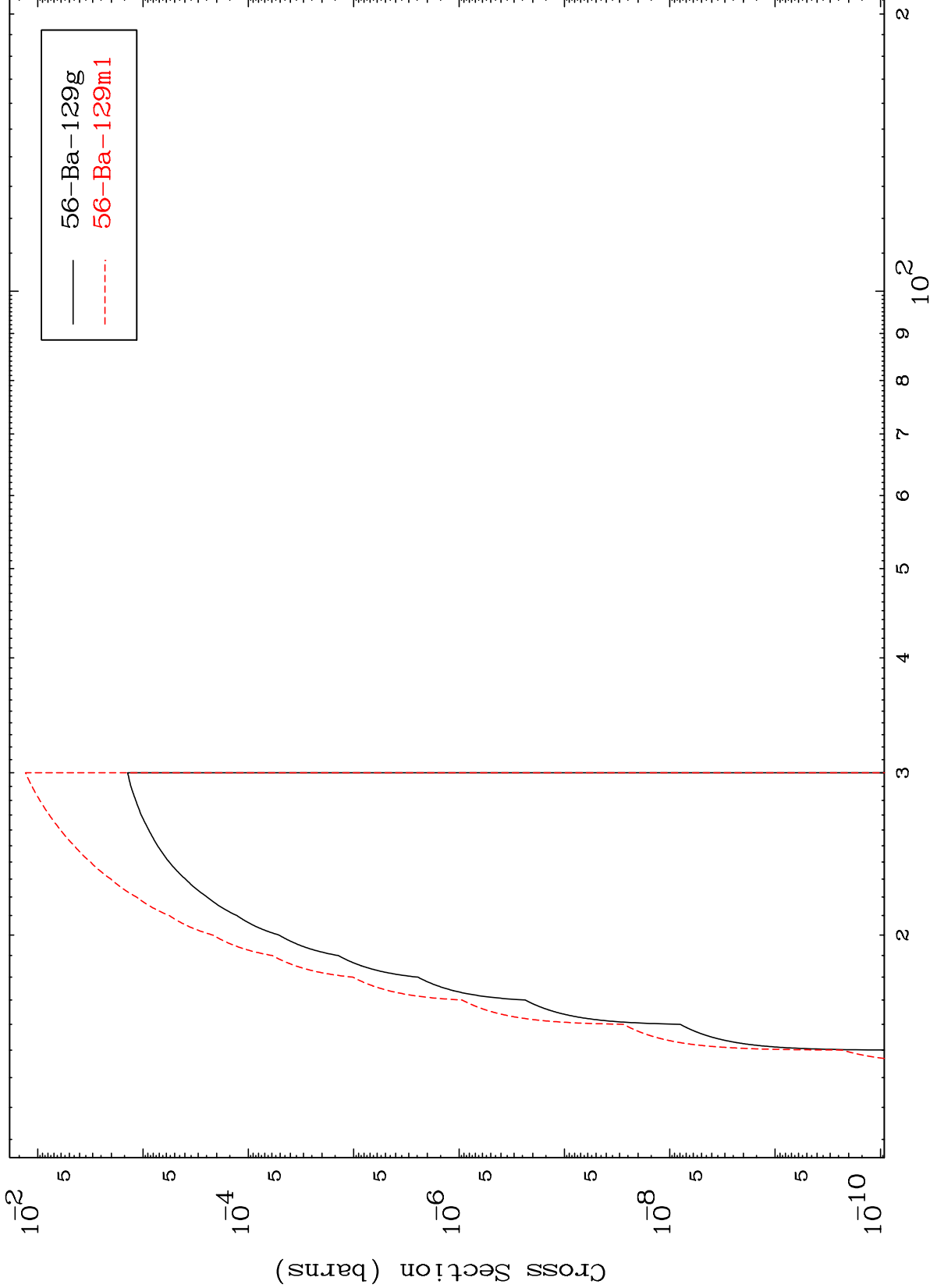
Incident Energy (MeV)

57-La-131

MAT 5704

57-La-131

(n,n') d  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

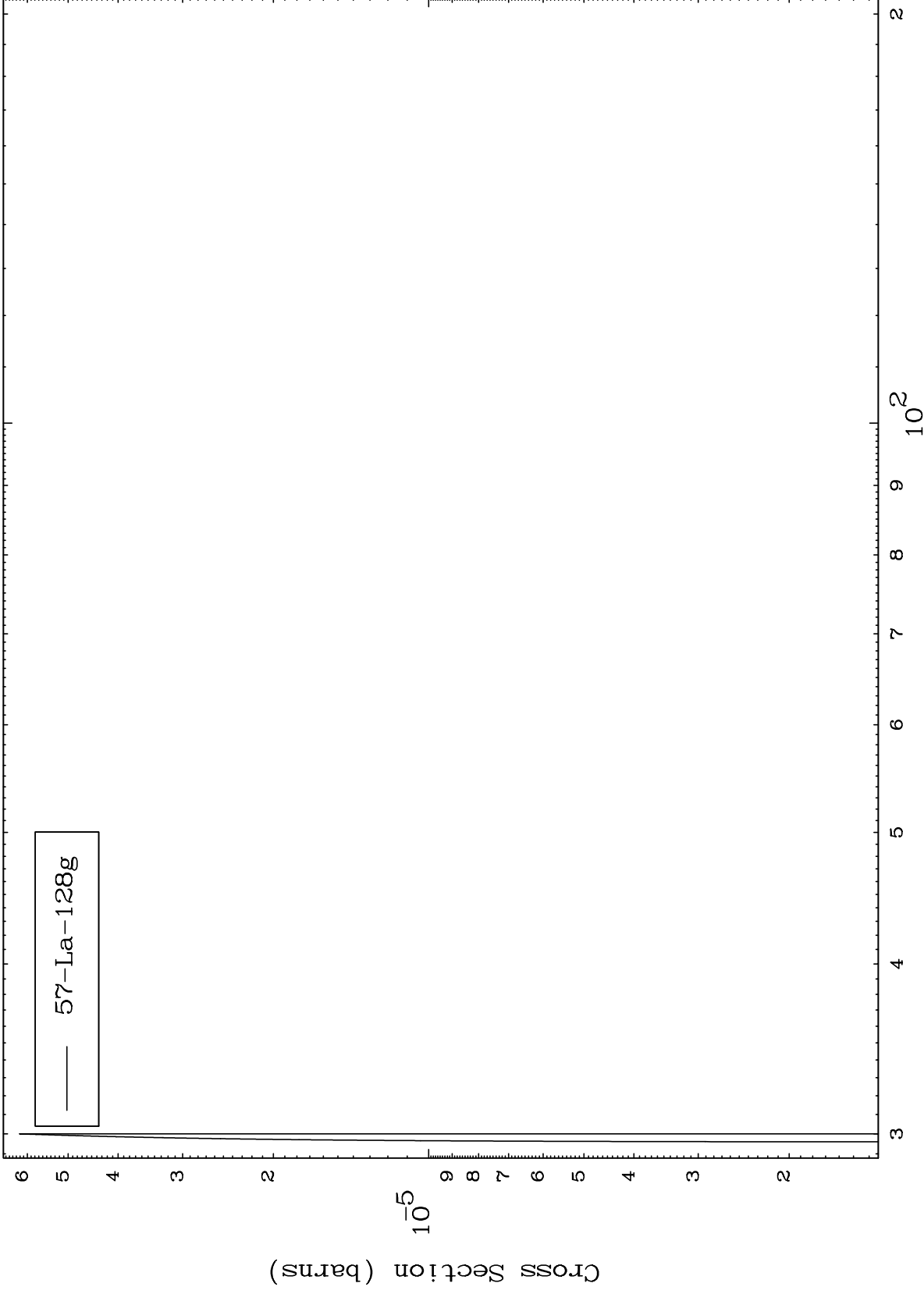
57-La-131



MAT 5704

57-La-131

(n,4n)  
Radionuclide Production Cross Section



136

57-La-131

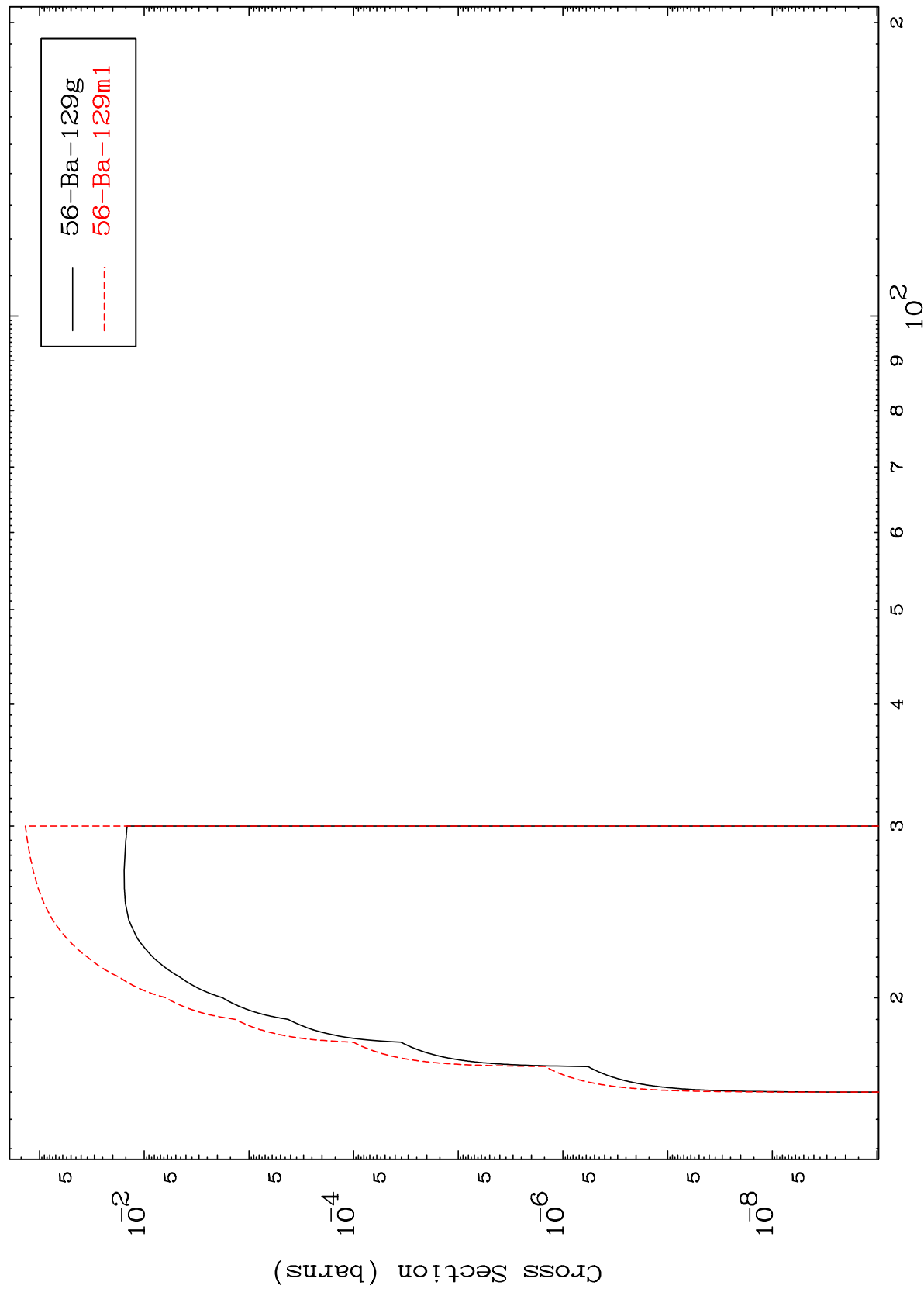
Incident Energy (MeV)

MAT 5704

(n,2n) p

57-La-131

Radionuclide Production Cross Section



56-Ba-129g  
56-Ba-129m1

137

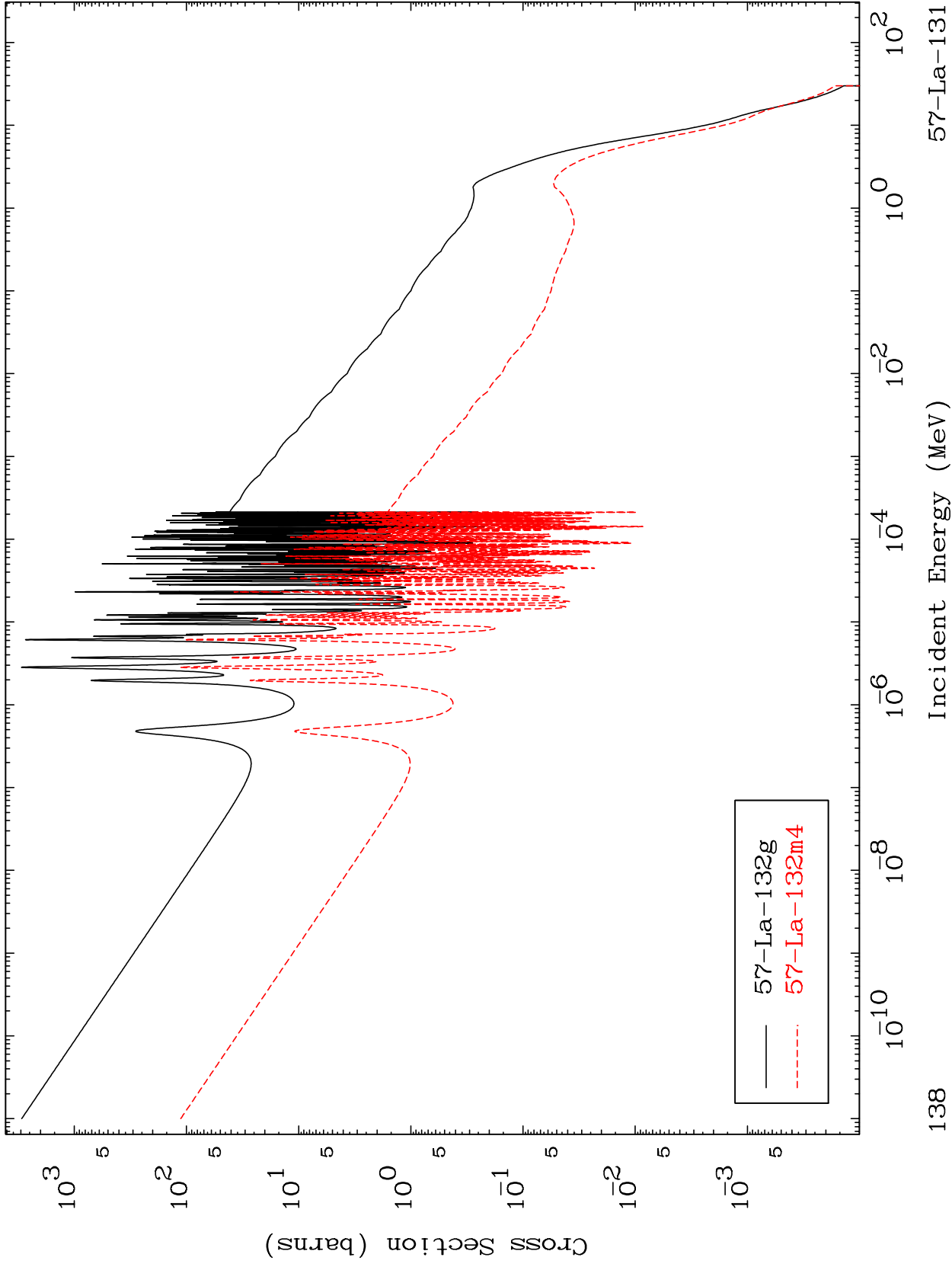
Incident Energy (MeV)

57-La-131

MAT 5704

57-La-131

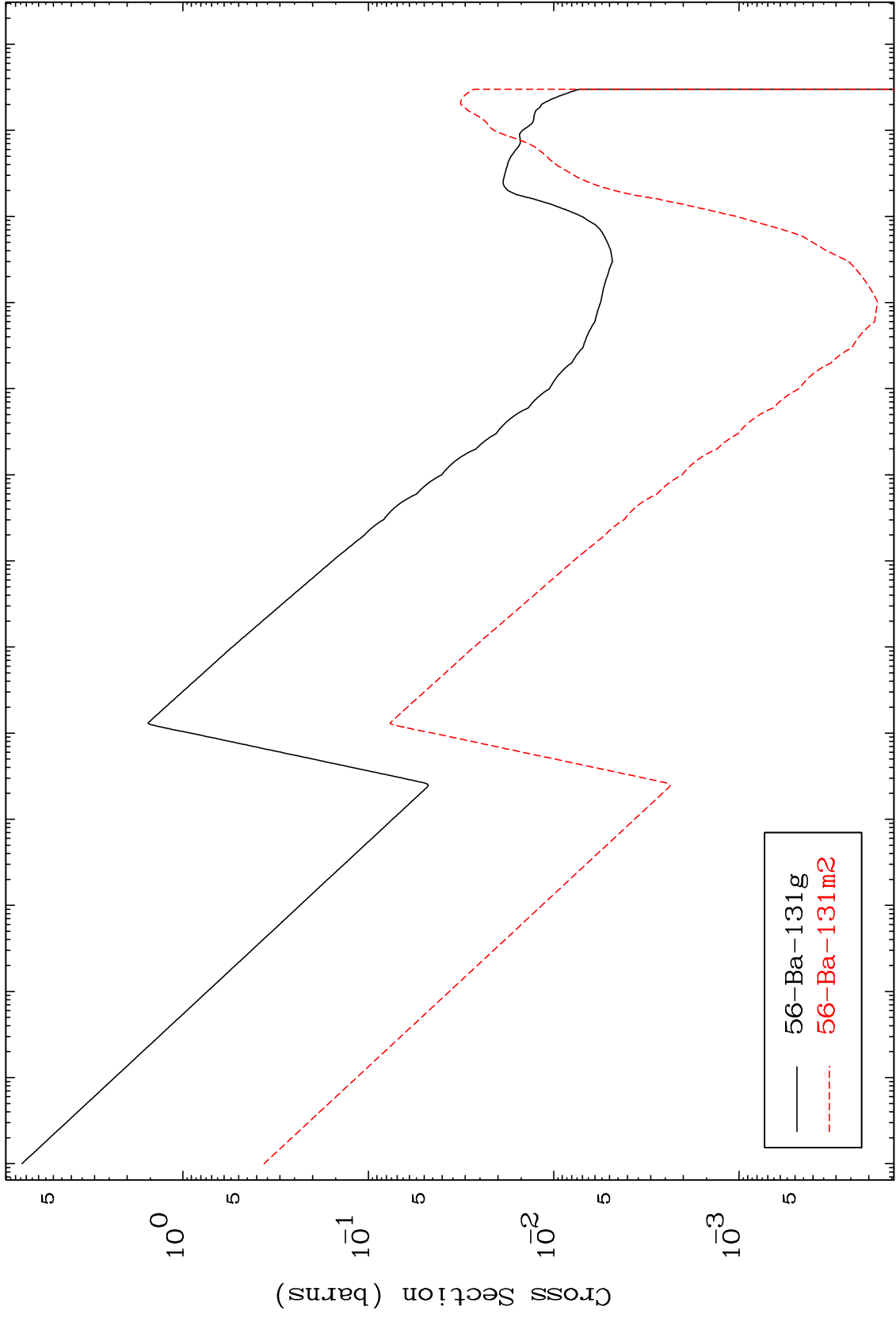
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 5704

57-La-131

Radionuclide Production Cross Section



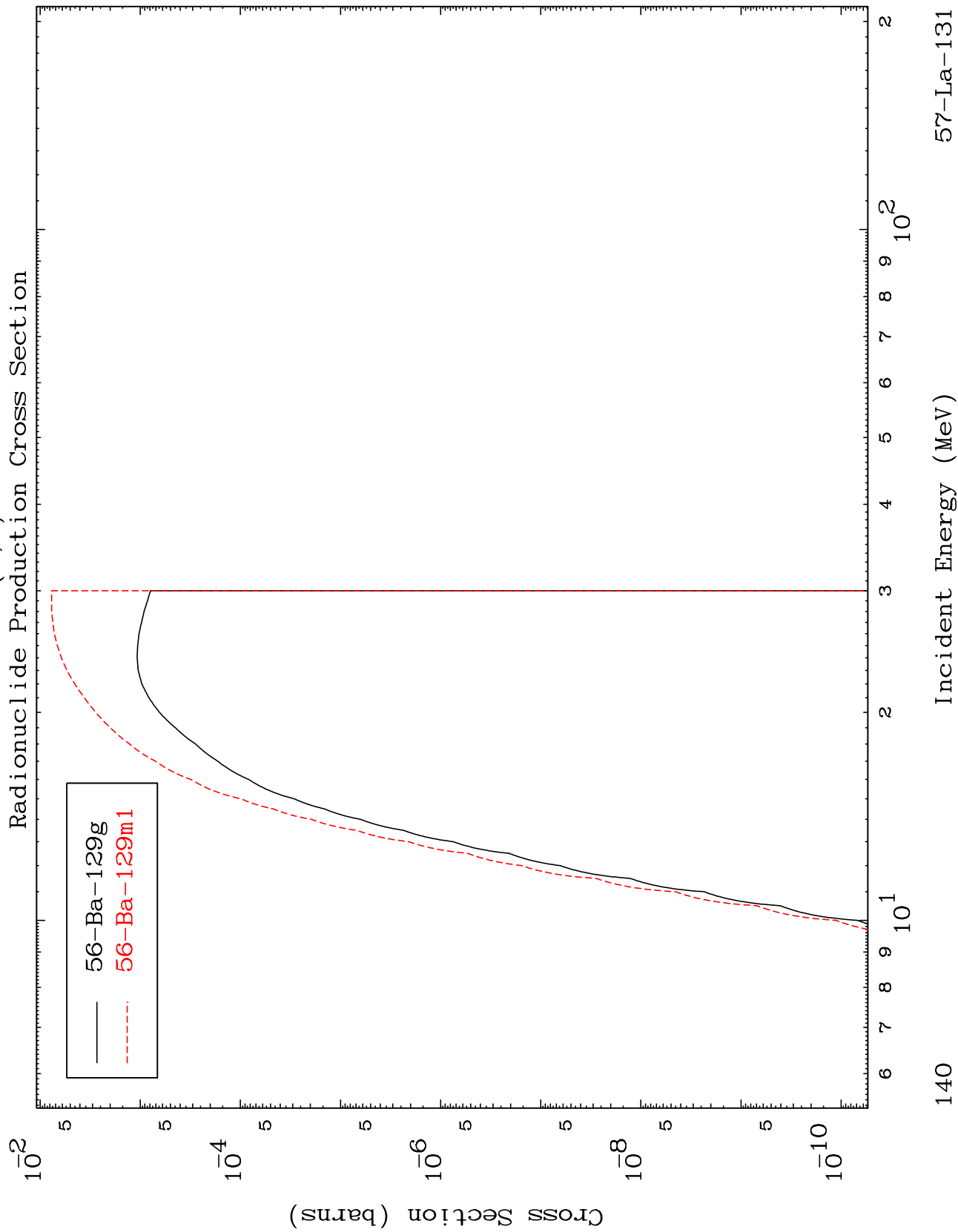
139

57-La-131

Incident Energy (MeV)

MAT 5704

57-La-131



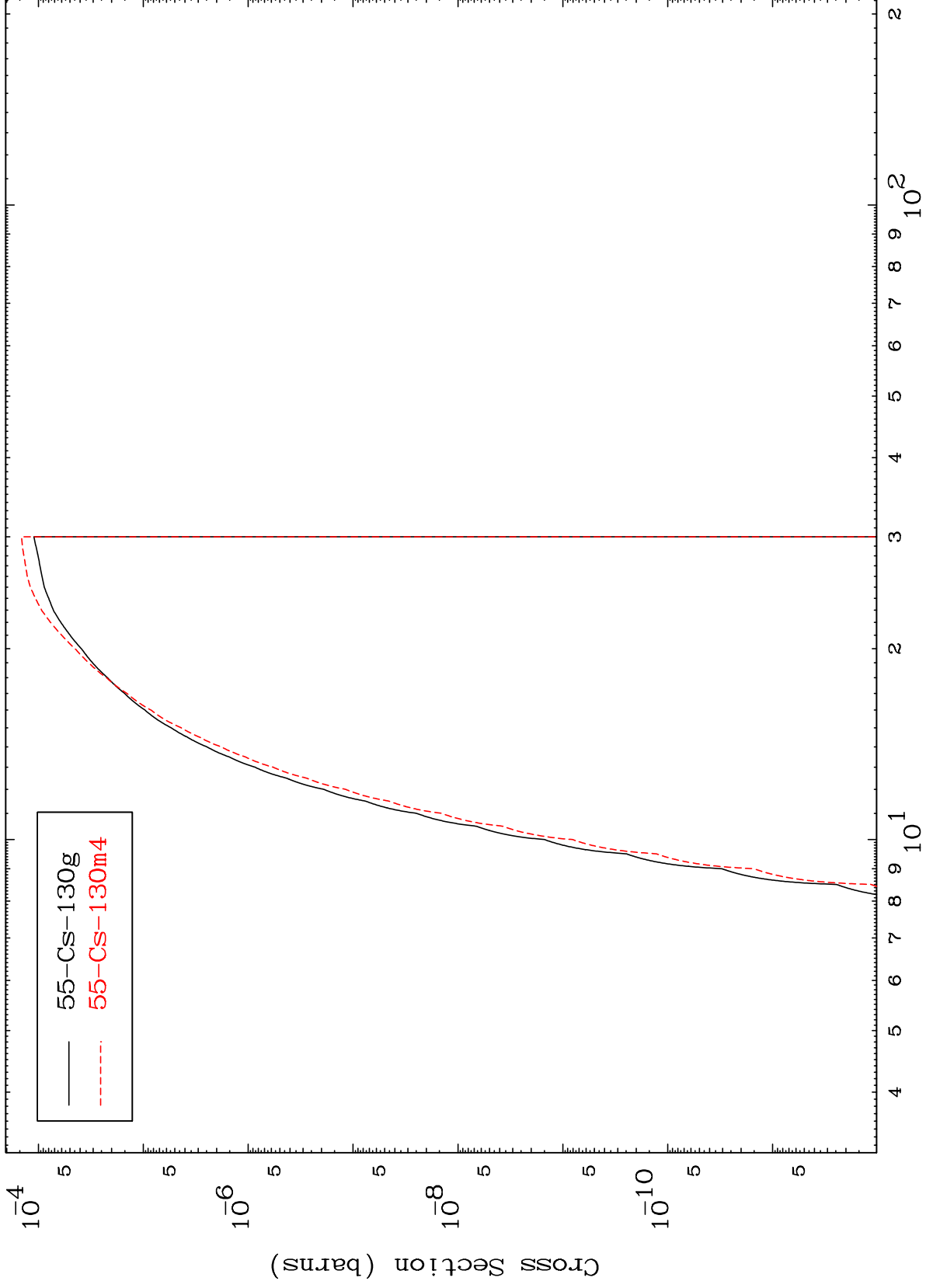
140

57-La-131

MAT 5704

57-La-131

(n,2p)  
Radionuclide Production Cross Section



141

Incident Energy (MeV)

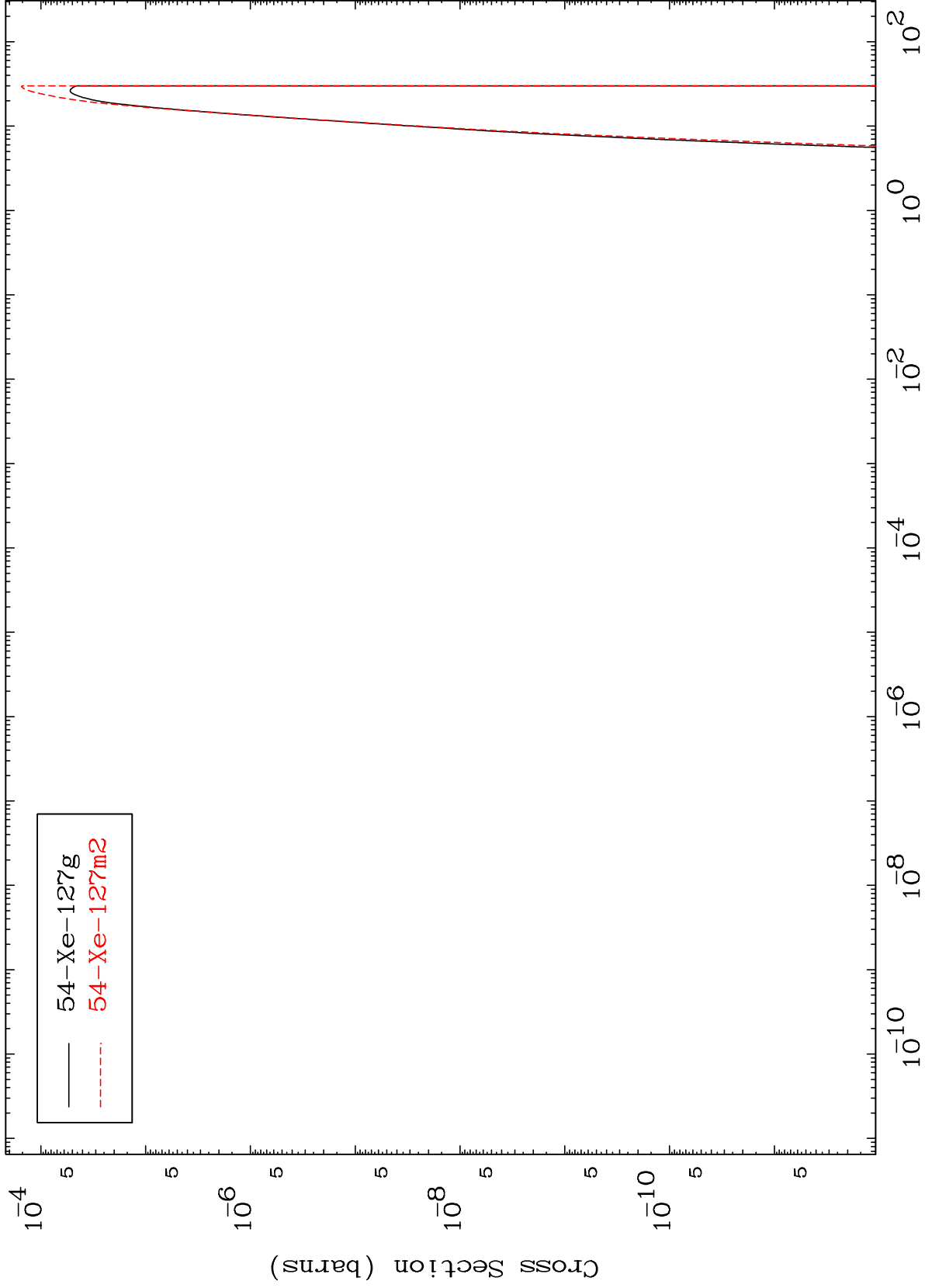
57-La-131

MAT 5704

(n,p)  $\alpha$

57-La-131

Radionuclide Production Cross Section



142

Incident Energy (MeV)

57-La-131