

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

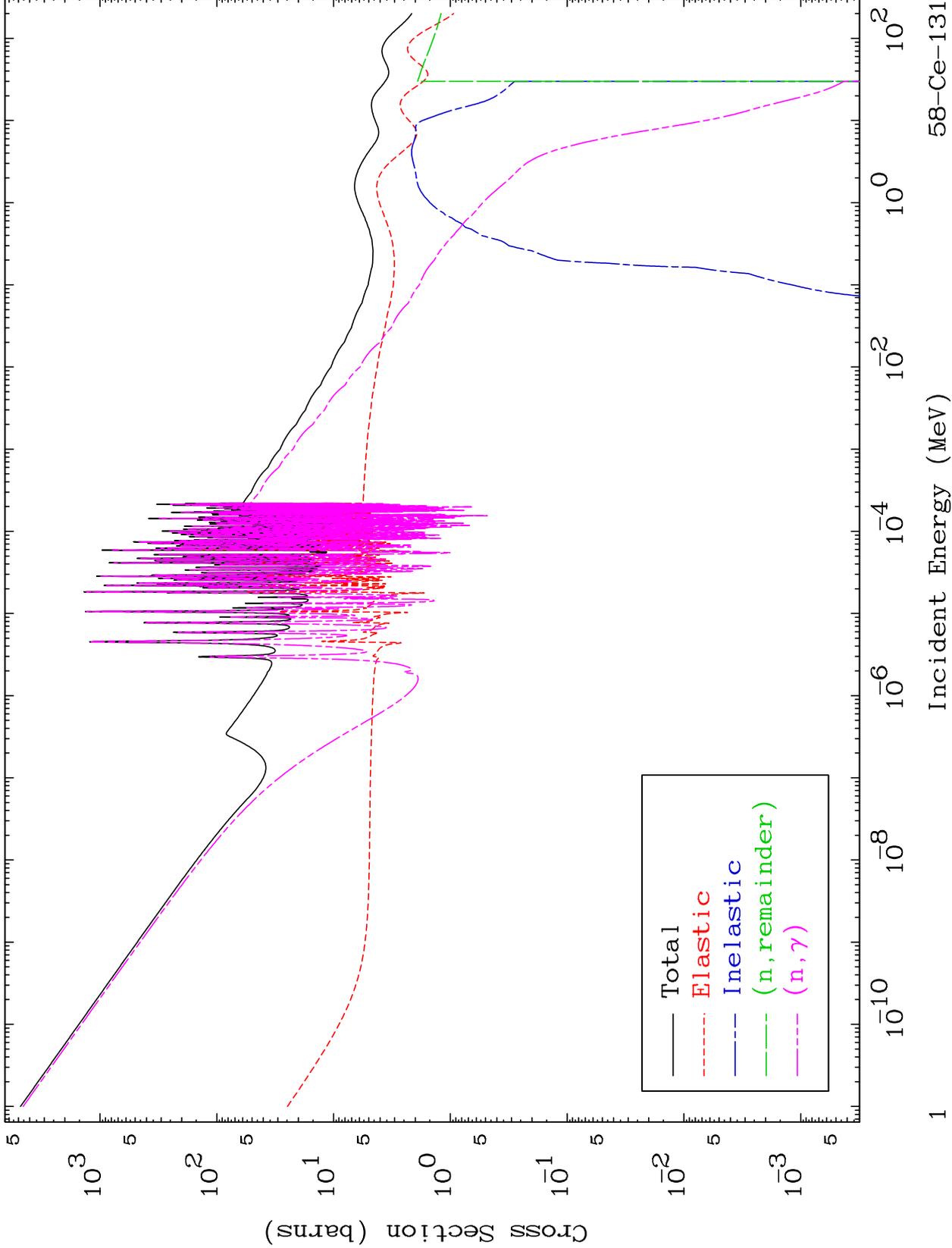
Press Mouse Button to Start

MAT 5810

Major

293 Kelvin Cross Sections

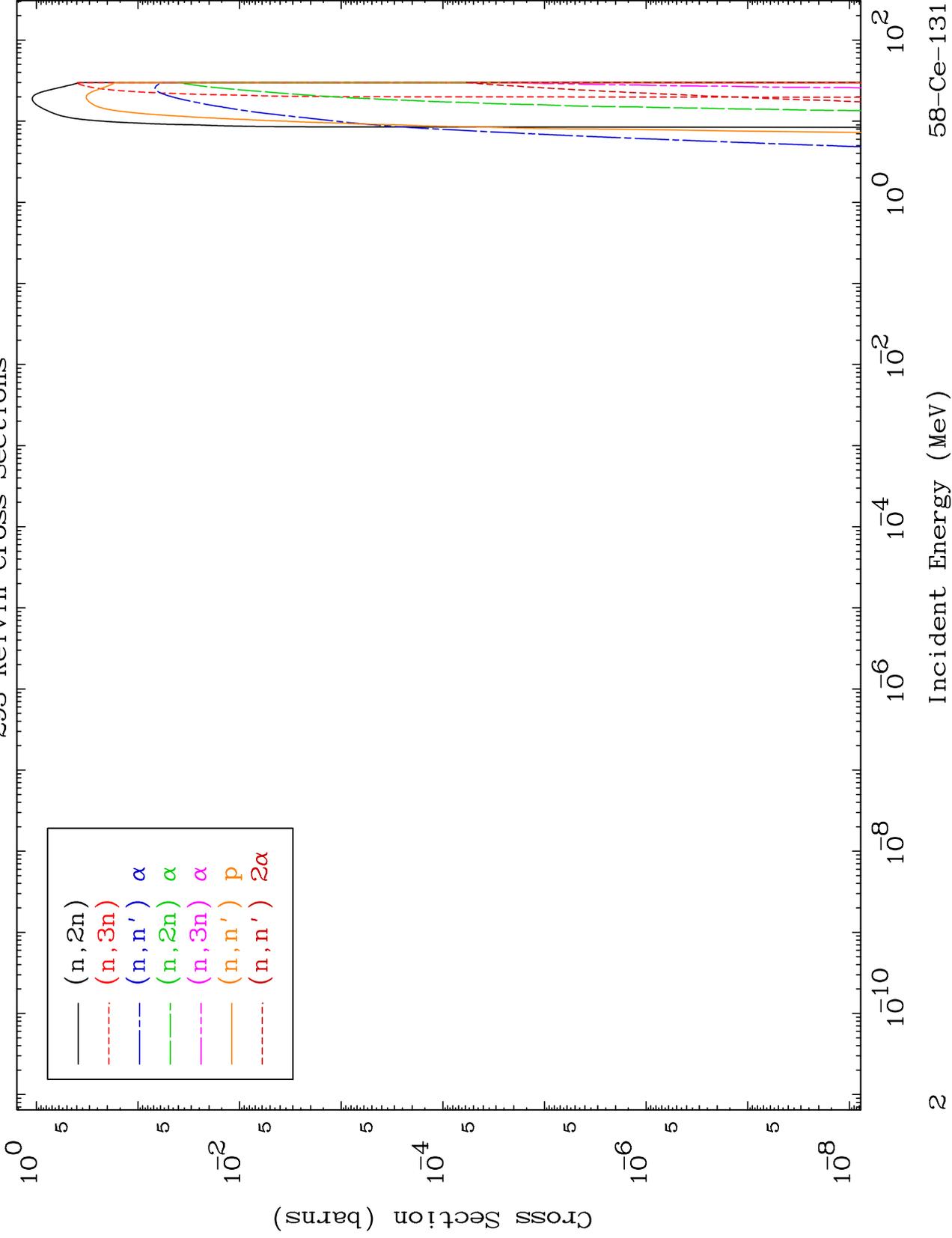
58-Ce-131

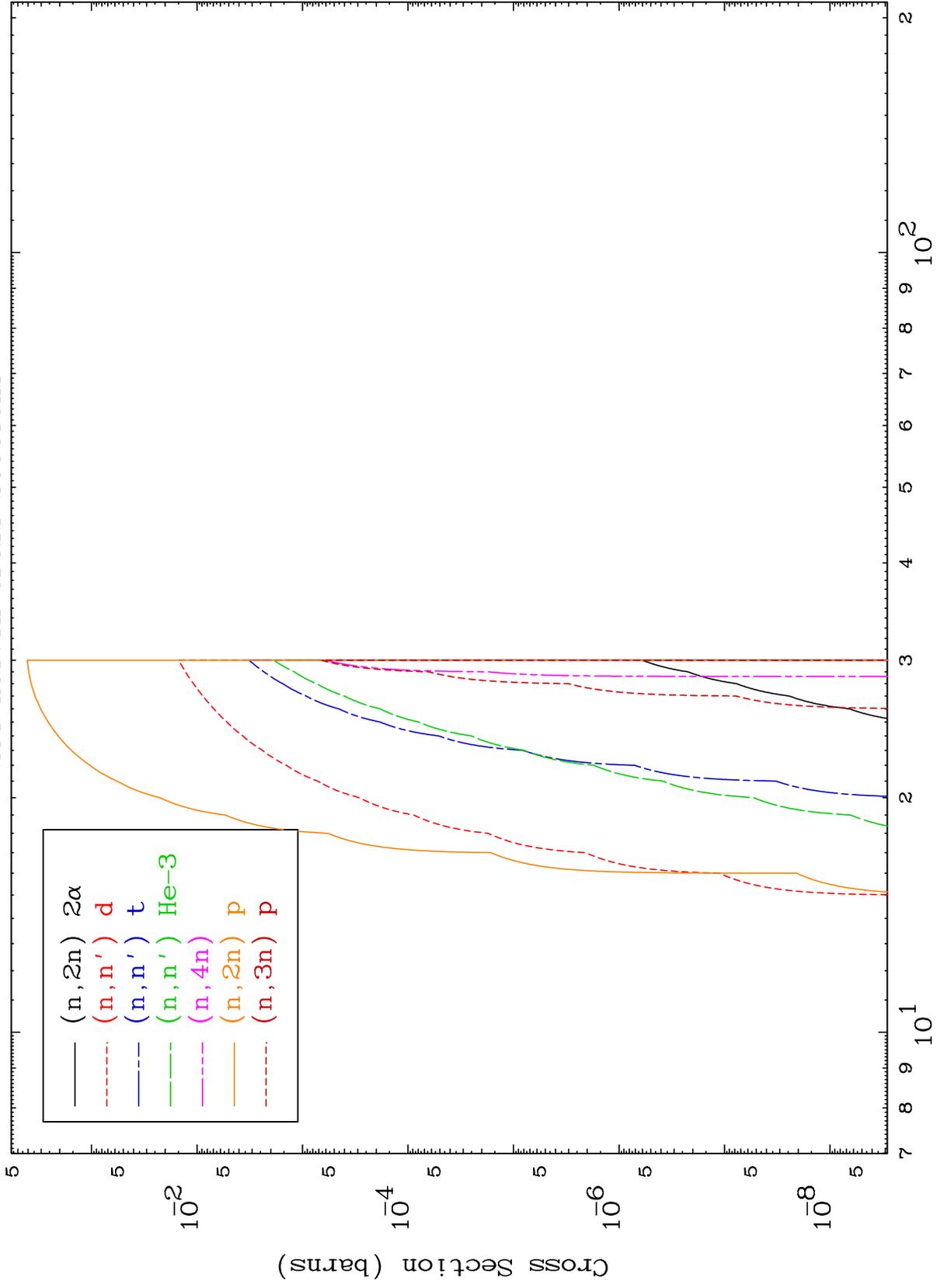


MAT 5810

Neutron Production
293 Kelvin Cross Sections

58-Ce-131

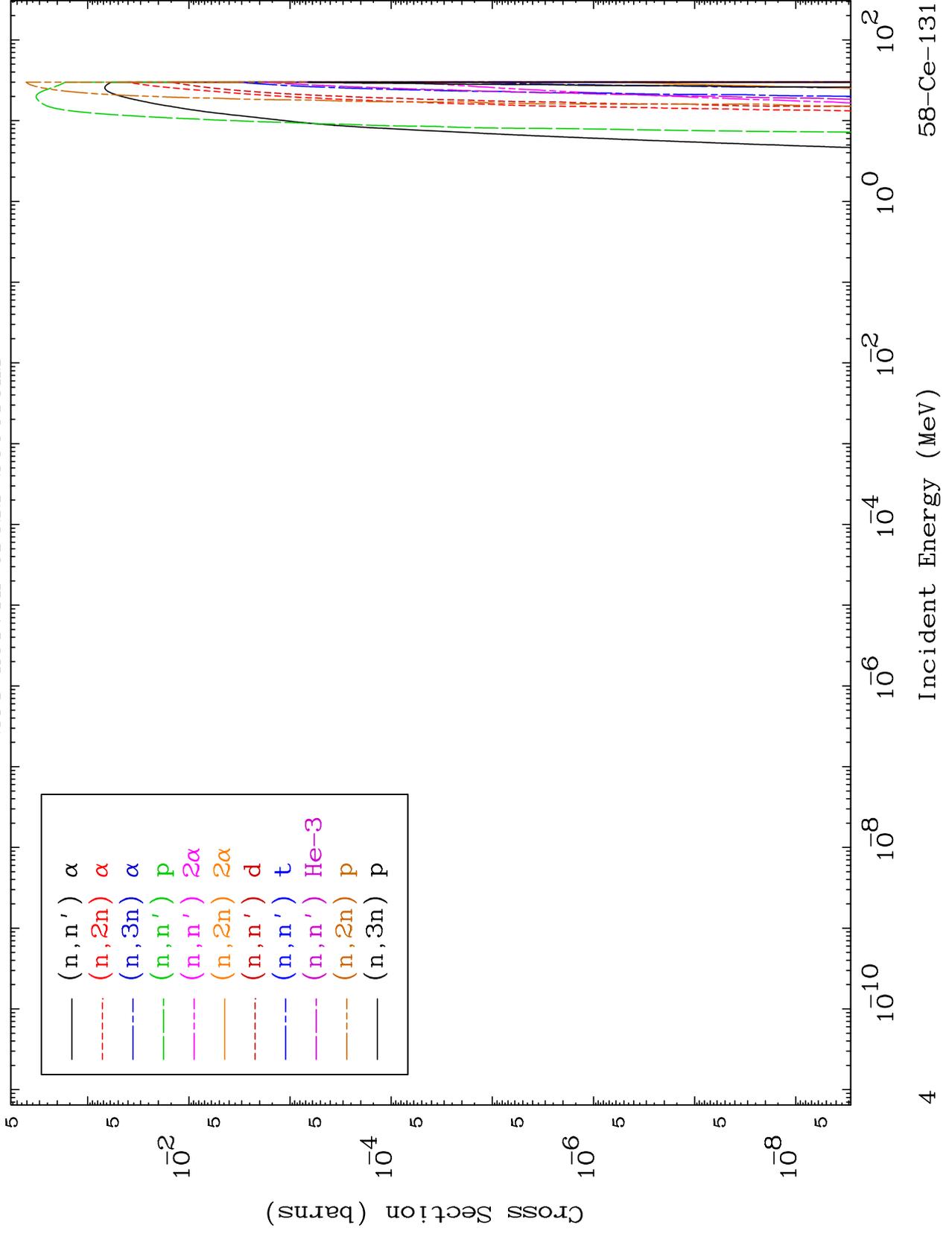




MAT 5810

Charged Particle
293 Kelvin Cross Sections

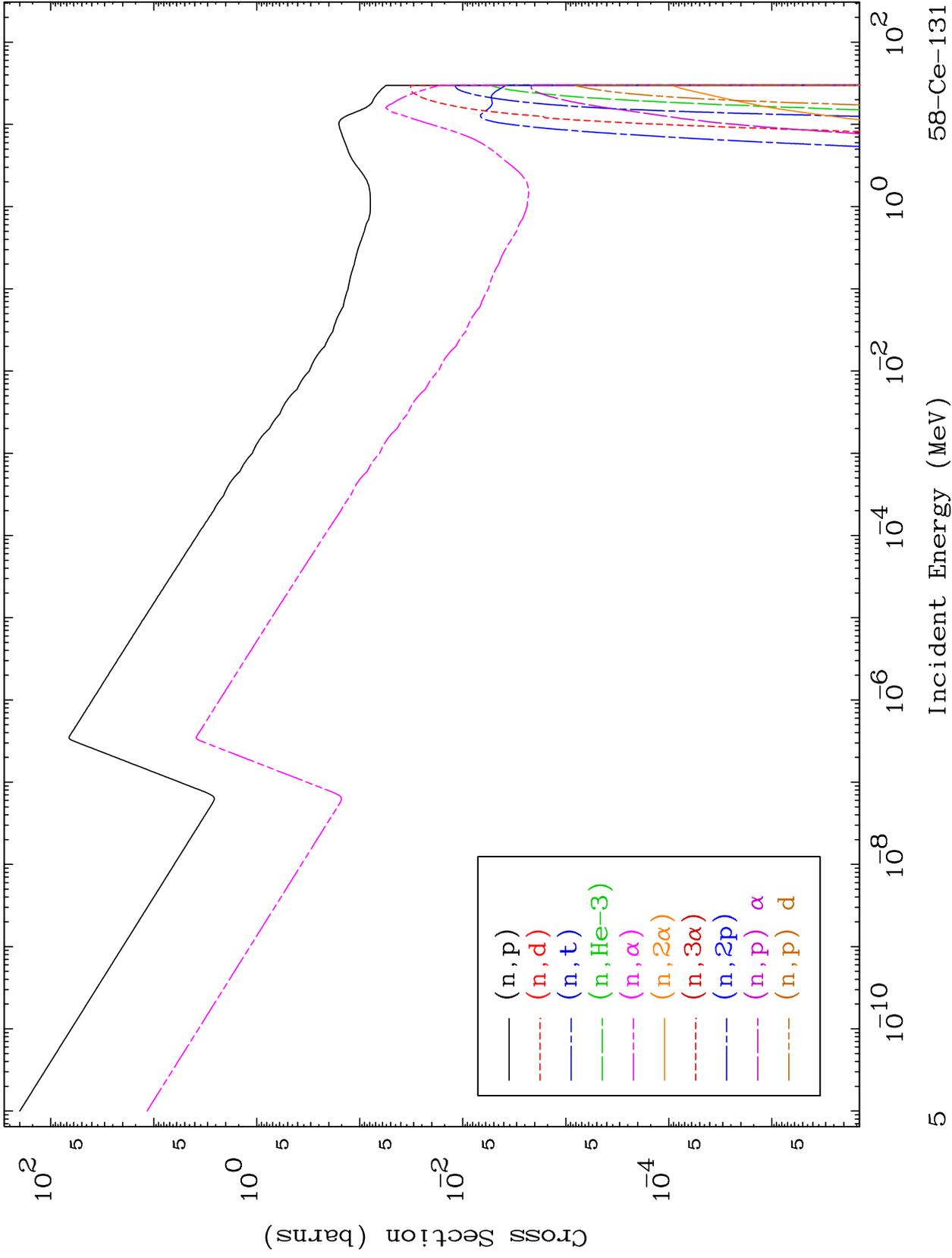
58-Ce-131

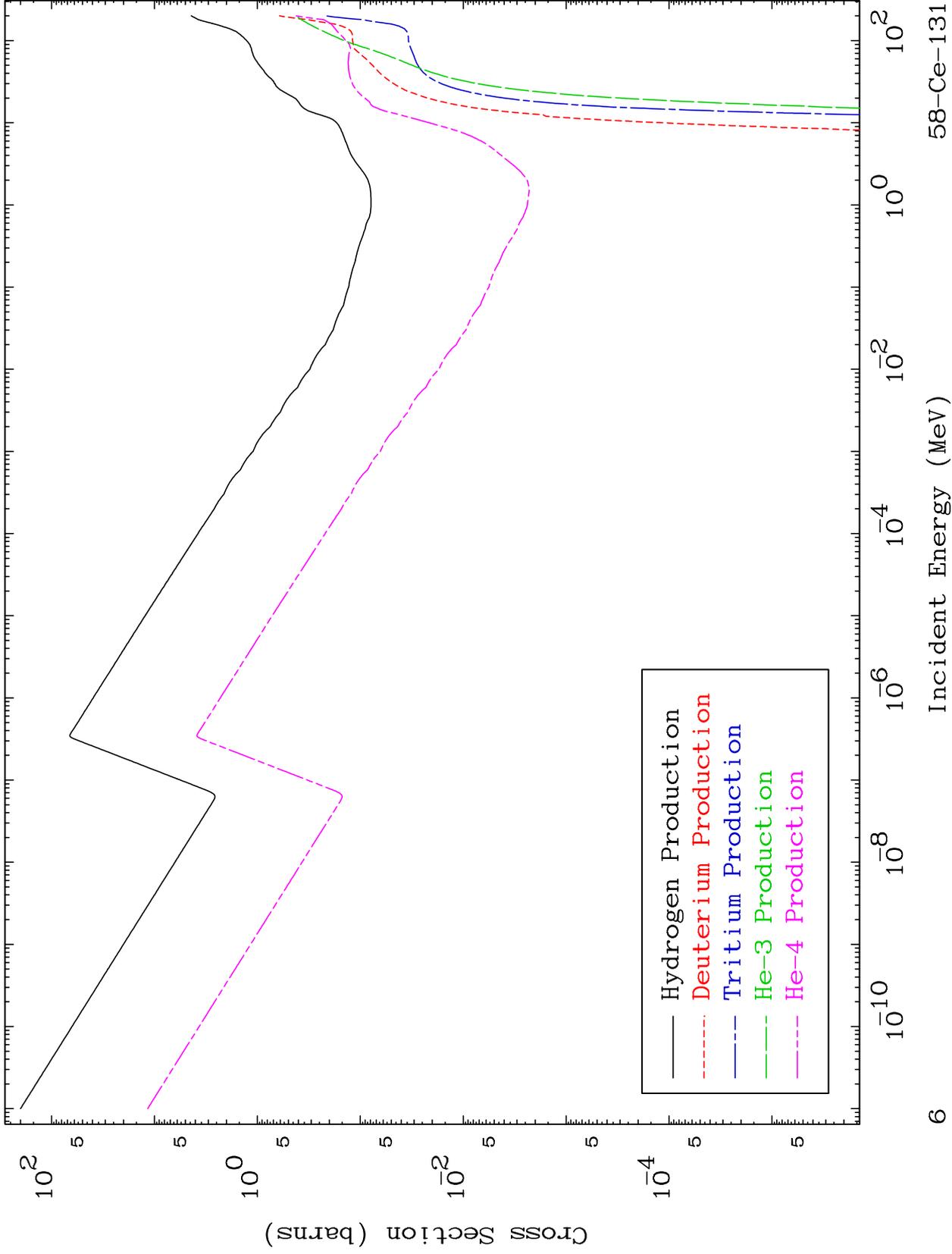


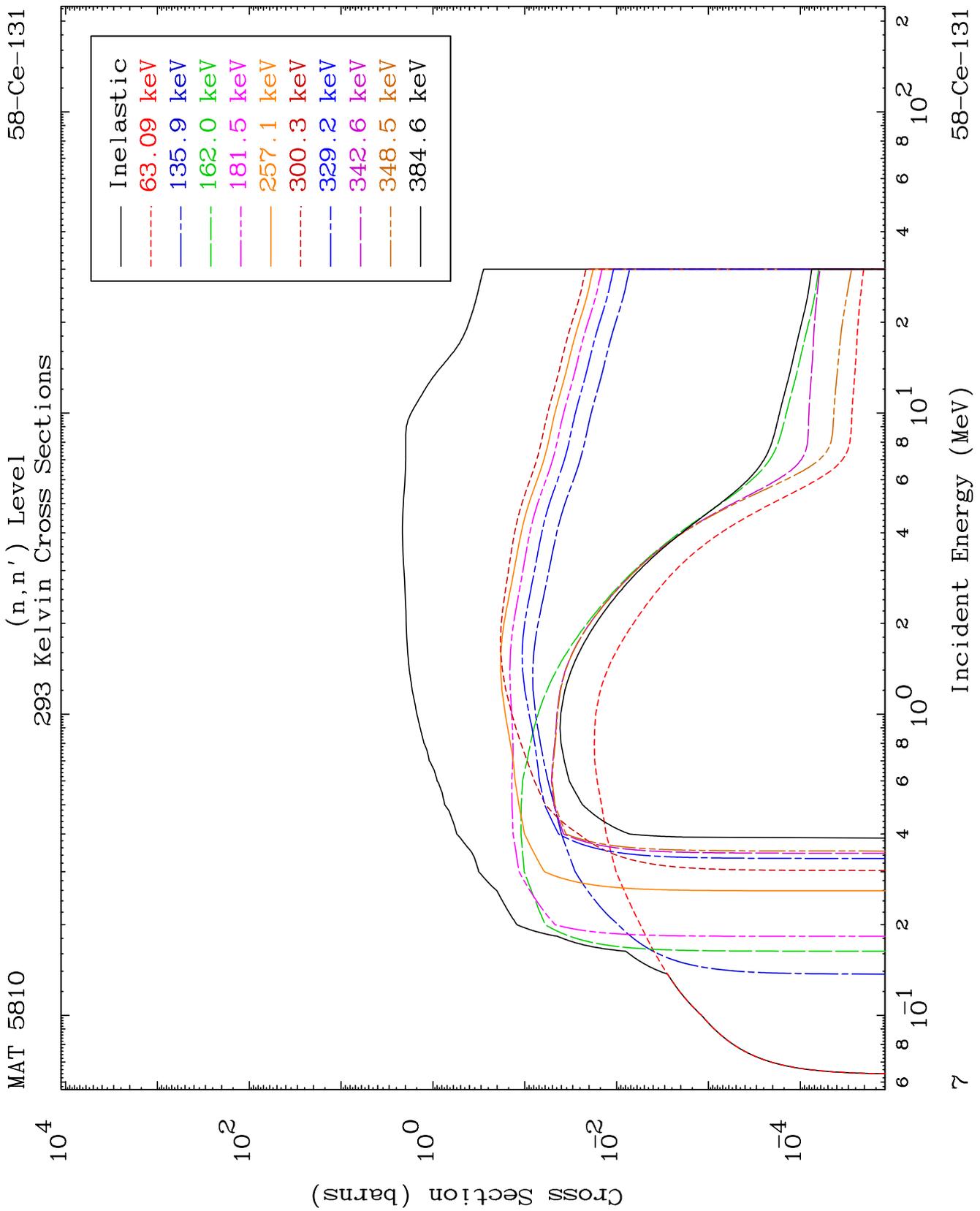
MAT 5810

Charged Particle
293 Kelvin Cross Sections

58-Ce-131





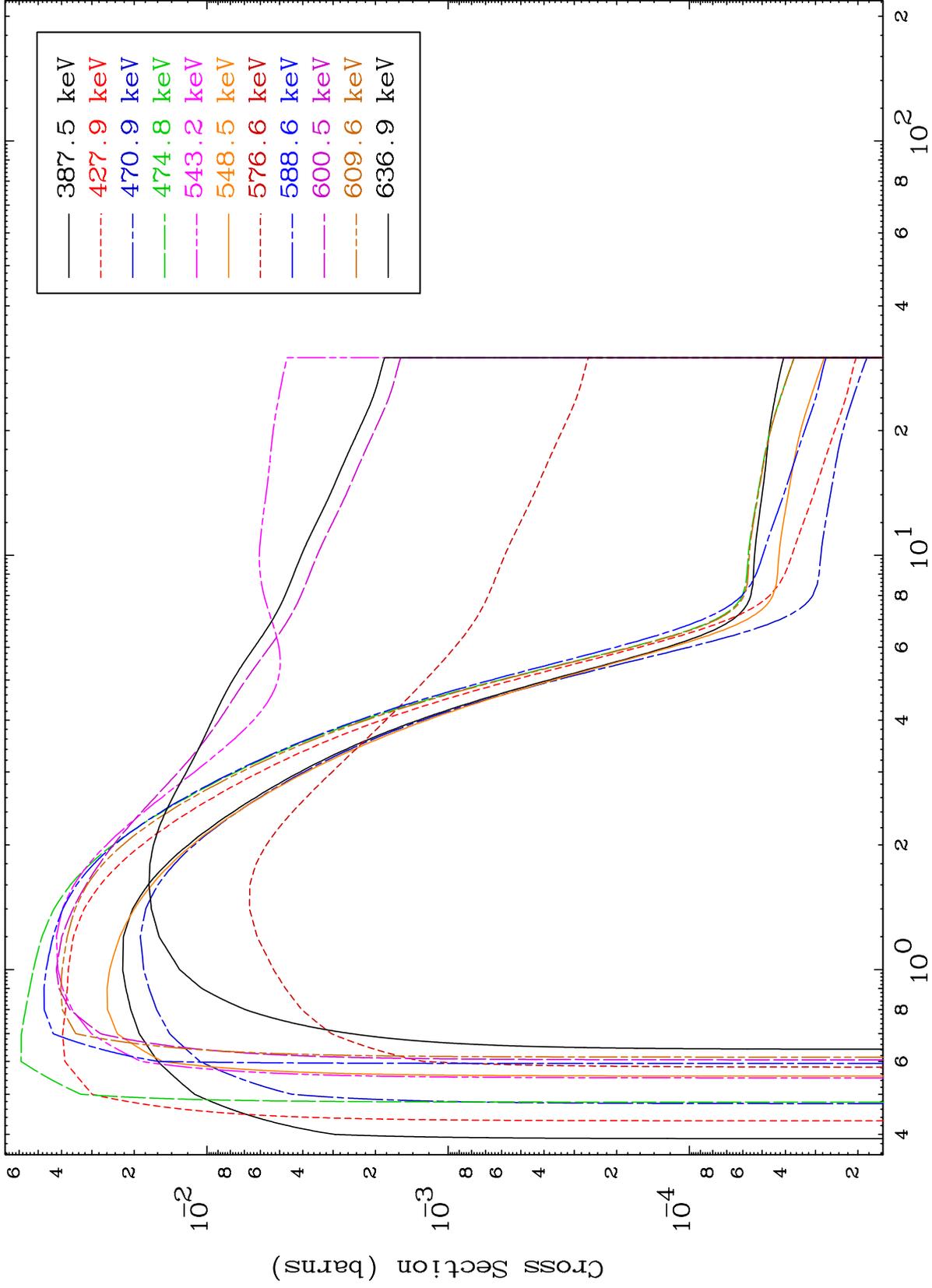


MAT 5810

(n,n') Level

58-Ce-131

293 Kelvin Cross Sections



8

Incident Energy (MeV)

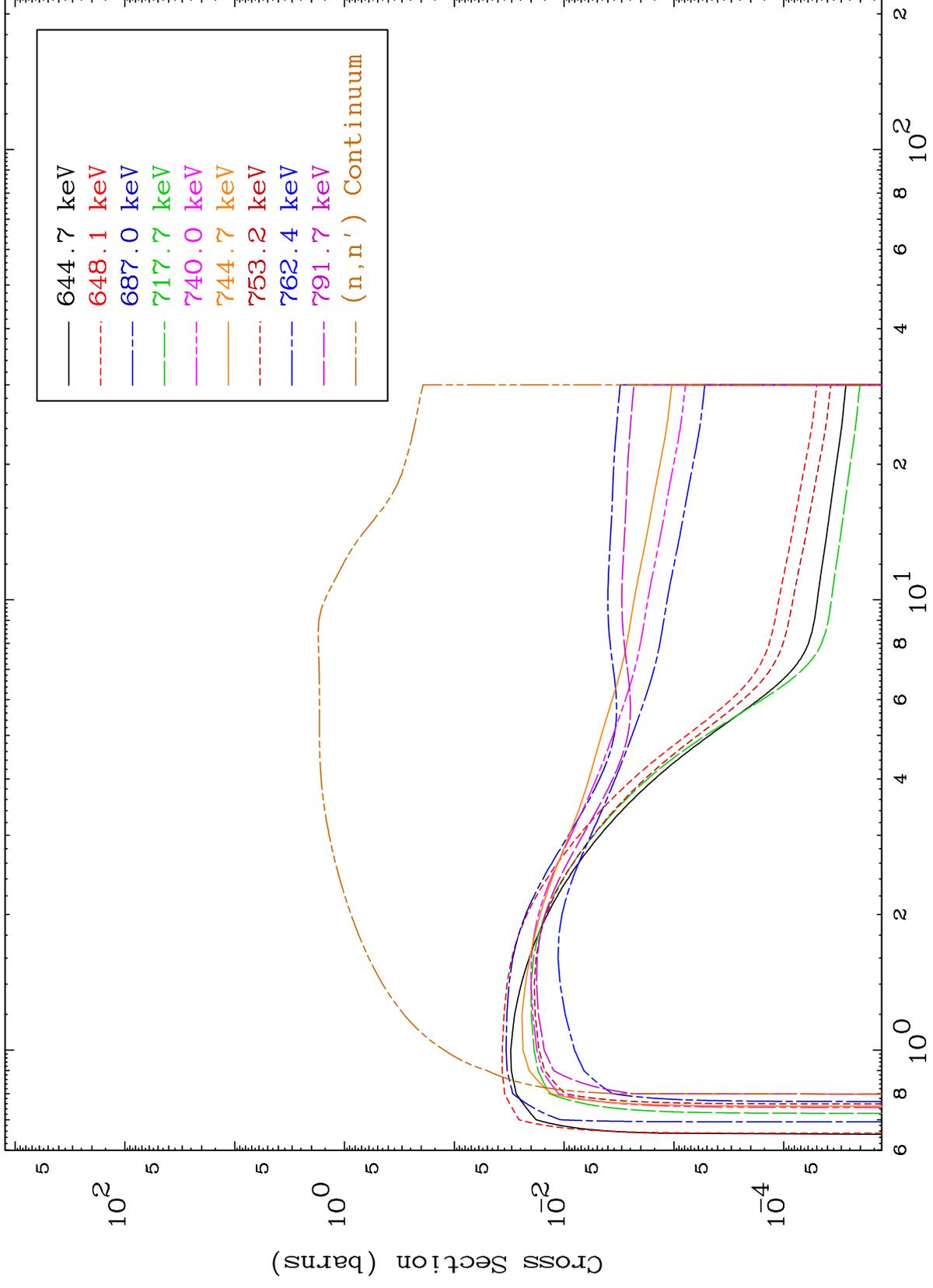
58-Ce-131

MAT 5810

(n,n') Level

58-Ce-131

293 Kelvin Cross Sections



9

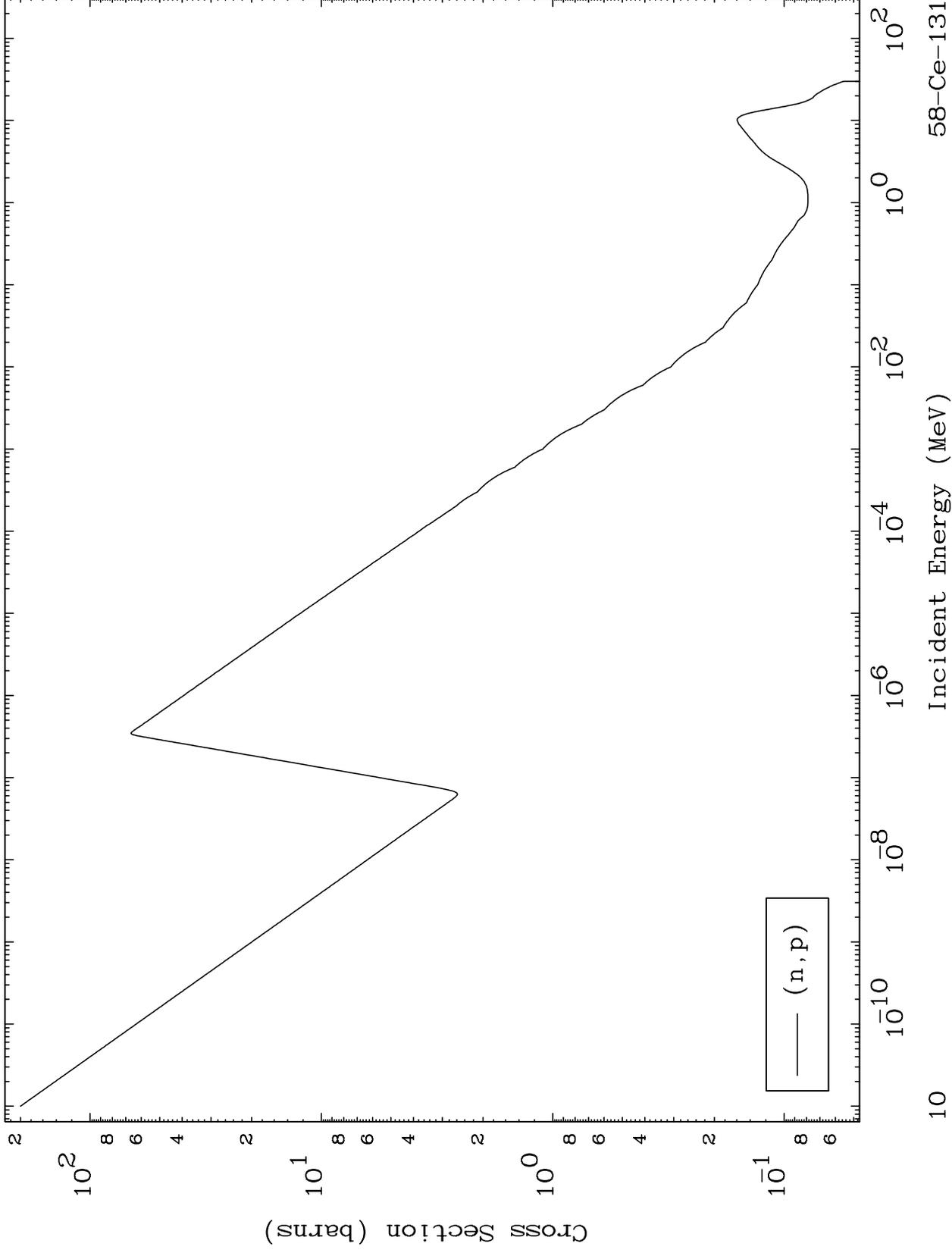
Incident Energy (MeV)

58-Ce-131

MAT 5810

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-131



10

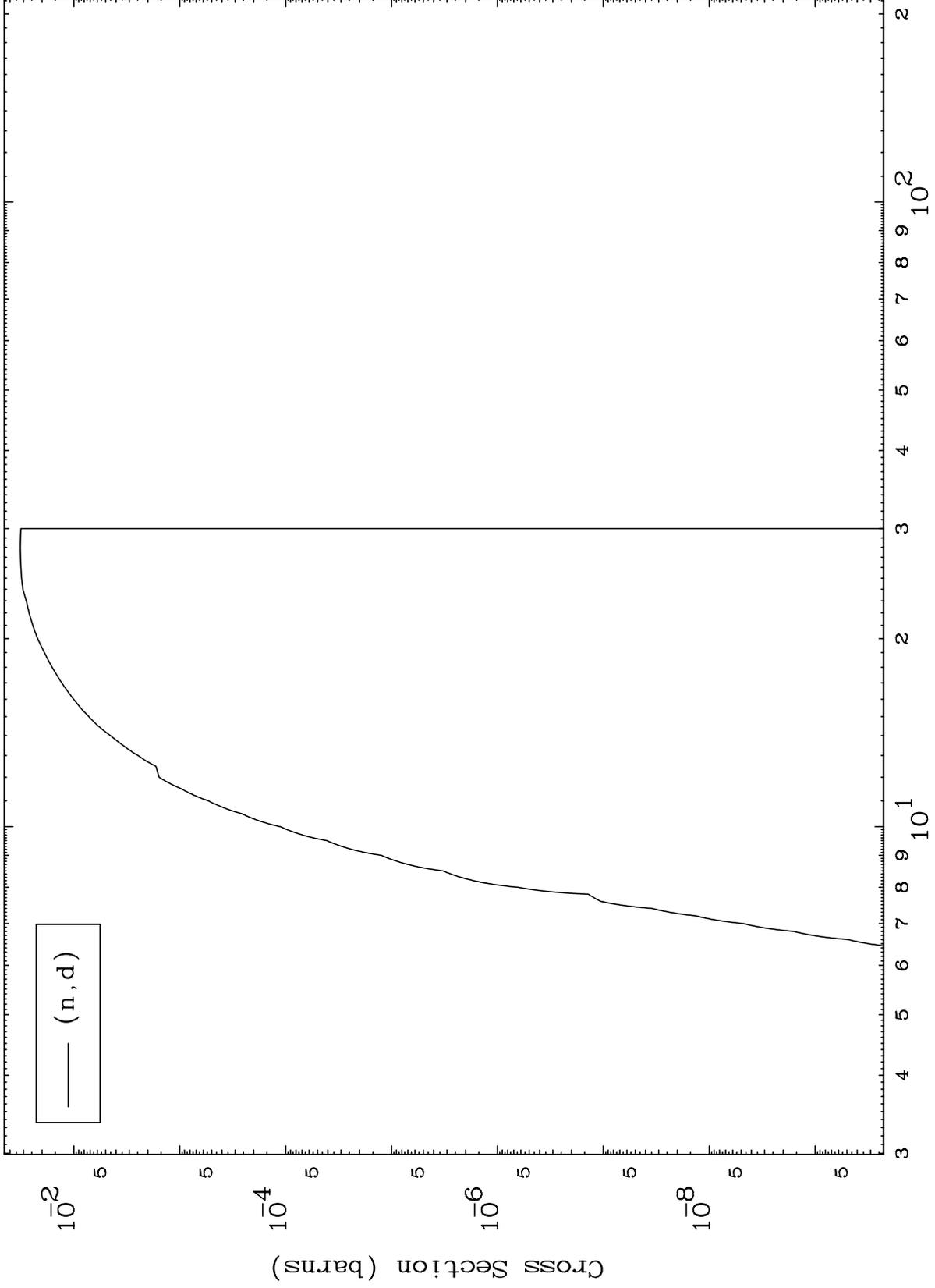
Incident Energy (MeV)

58-Ce-131

MAT 5810

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-131



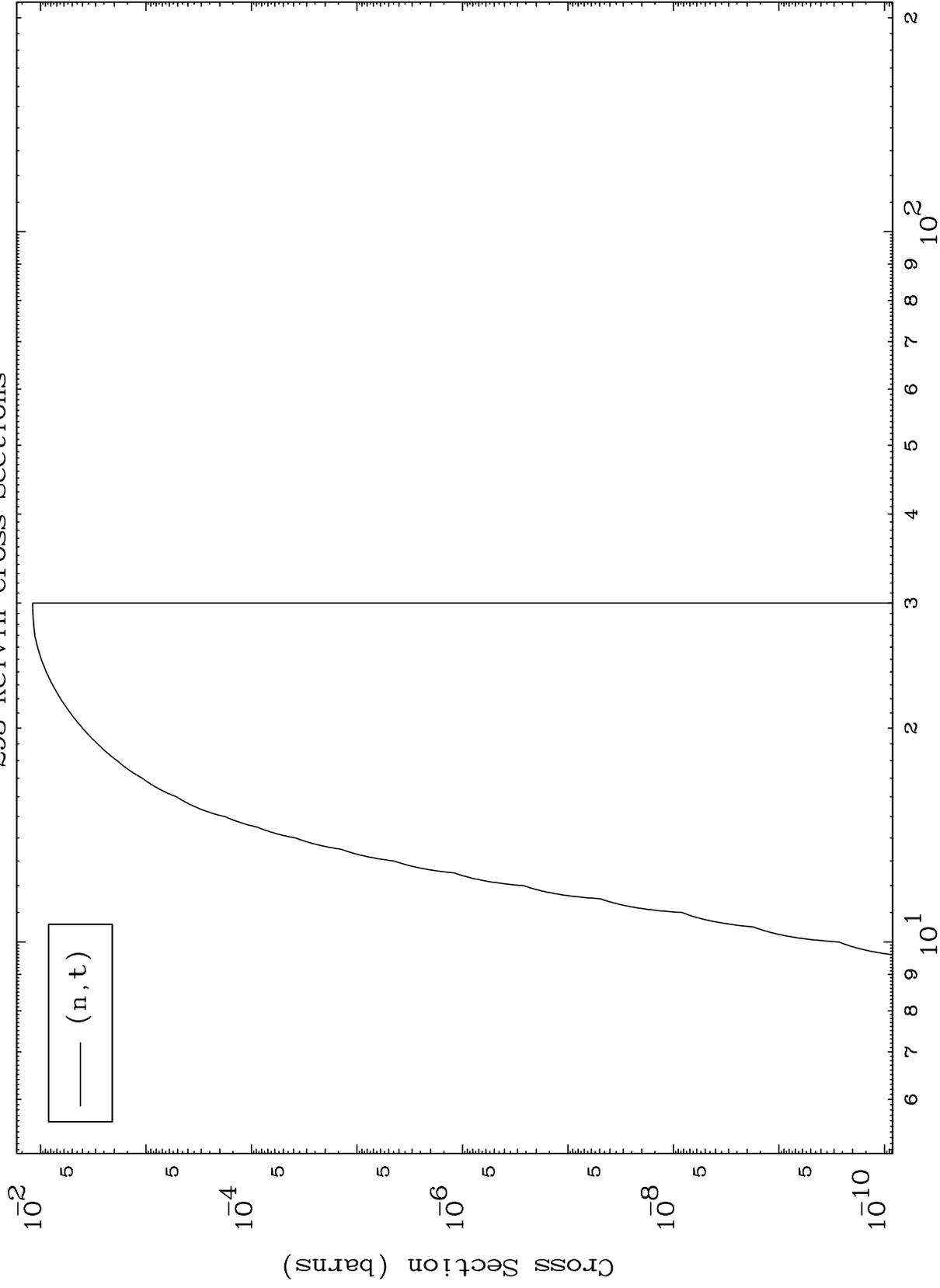
11

58-Ce-131

MAT 5810

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-131



12

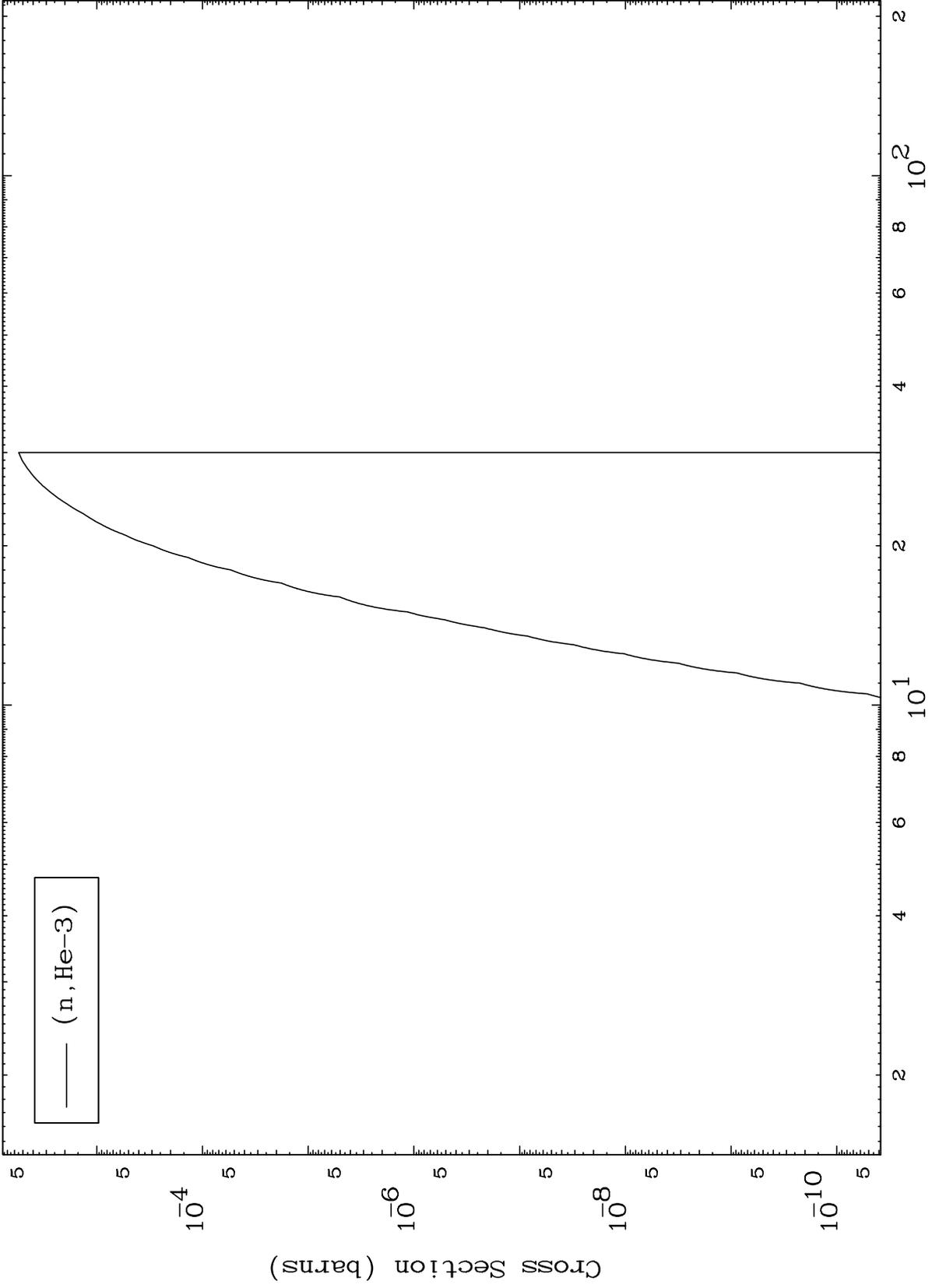
Incident Energy (MeV)

58-Ce-131

MAT 5810

(n,He3) Levels
293 Kelvin Cross Sections

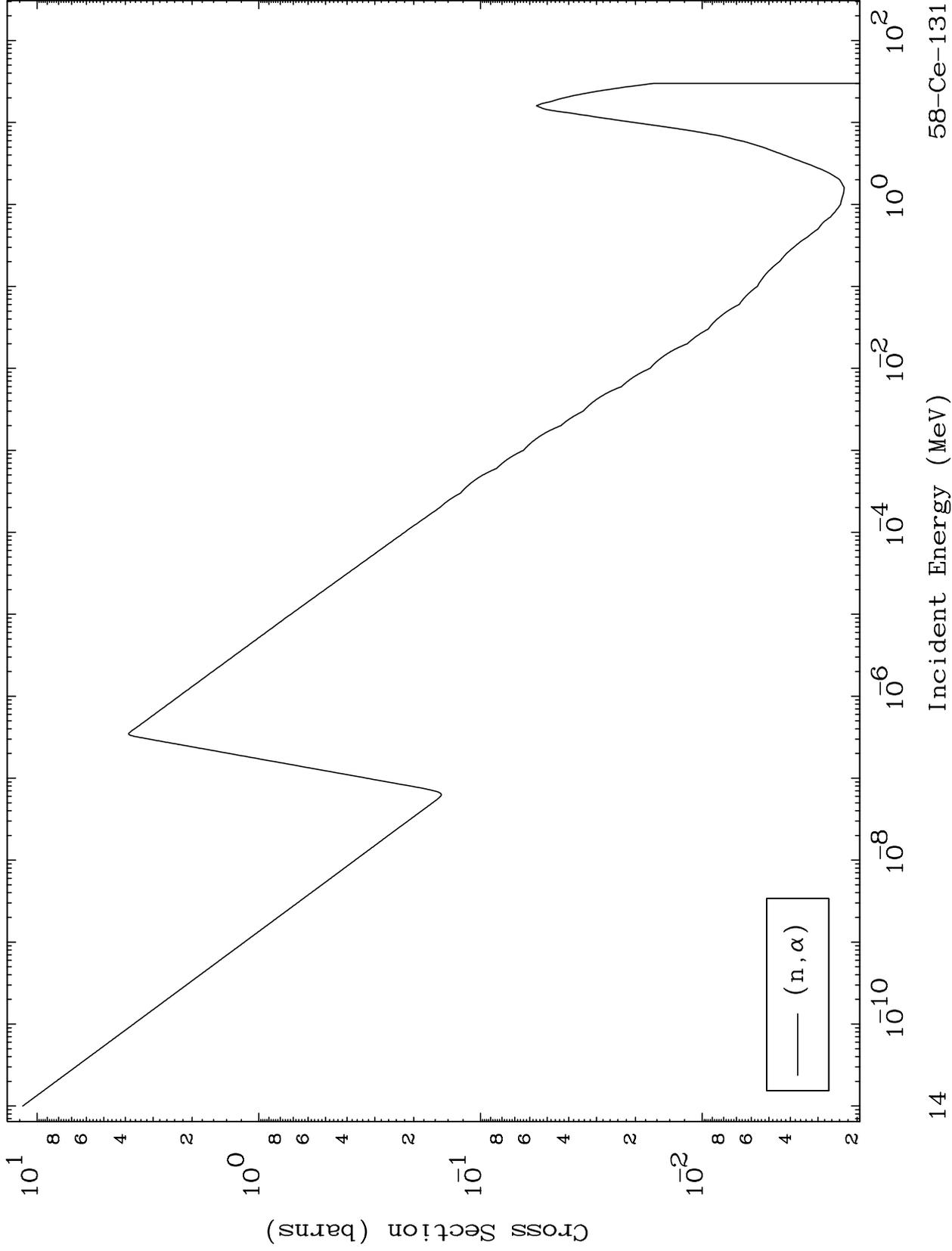
58-Ce-131

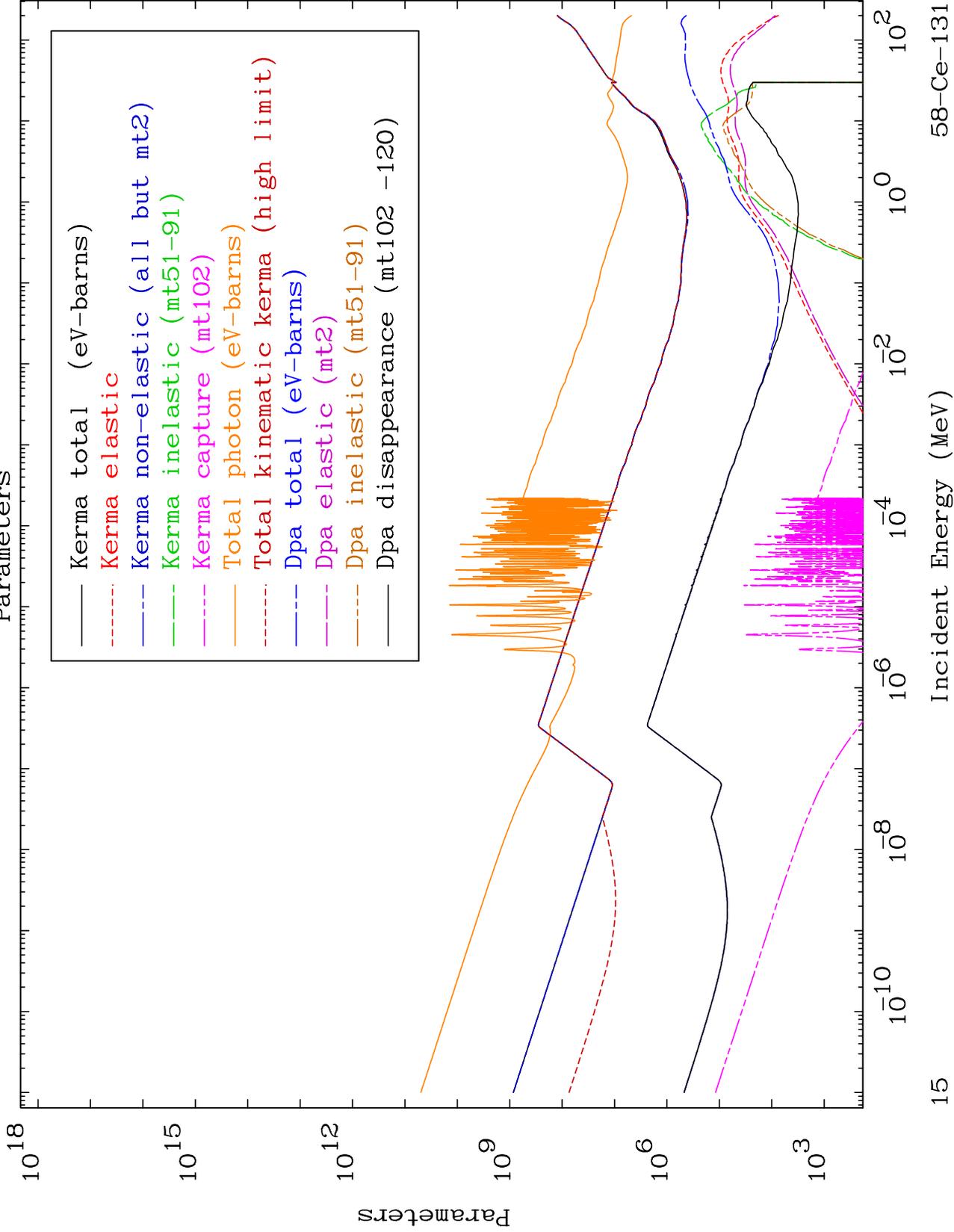


MAT 5810

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-131

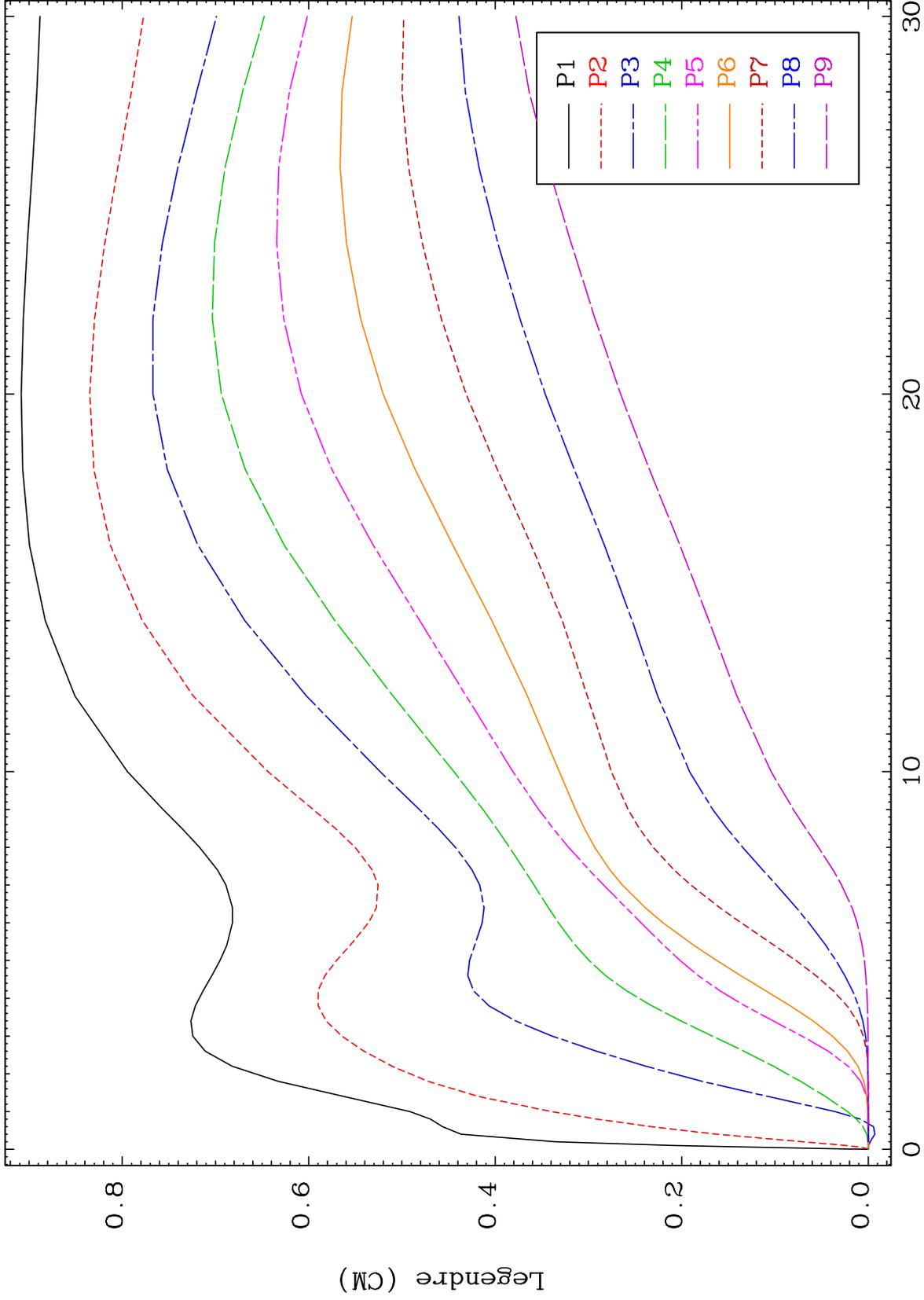




MAT 5810

Elastic Legendre Coefficients

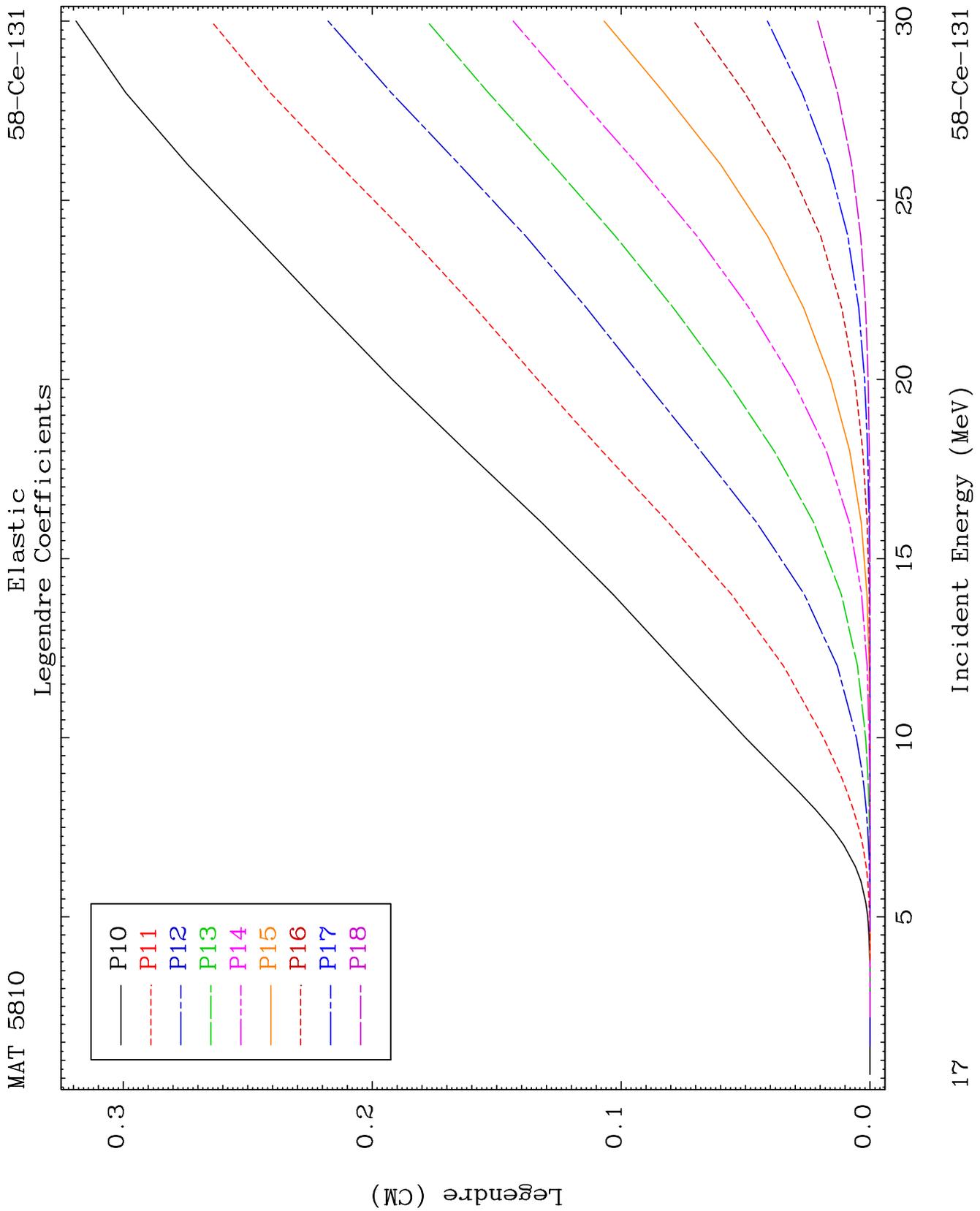
58-Ce-131



16

Incident Energy (MeV)

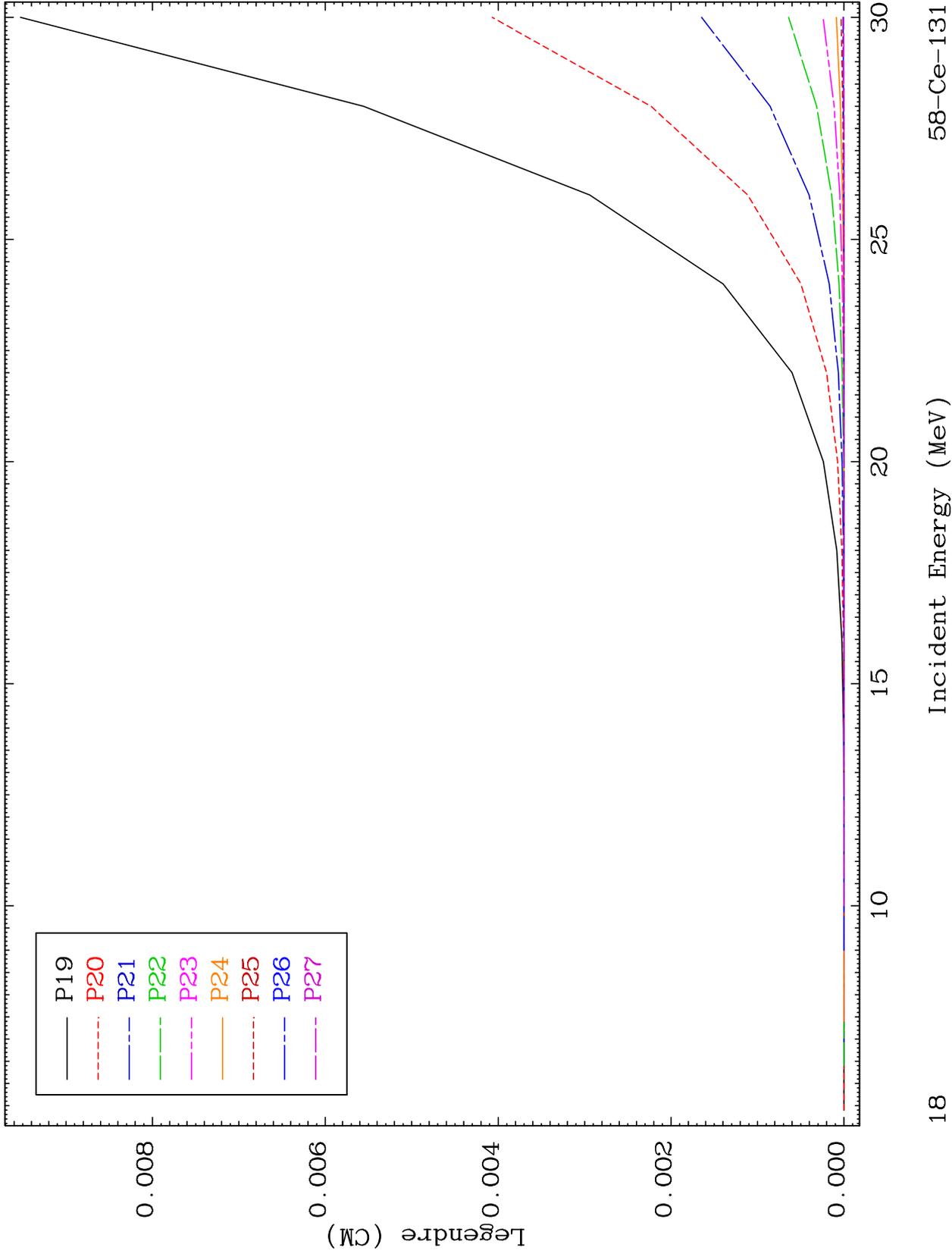
58-Ce-131



MAT 5810

Elastic Legendre Coefficients

58-Ce-131



18

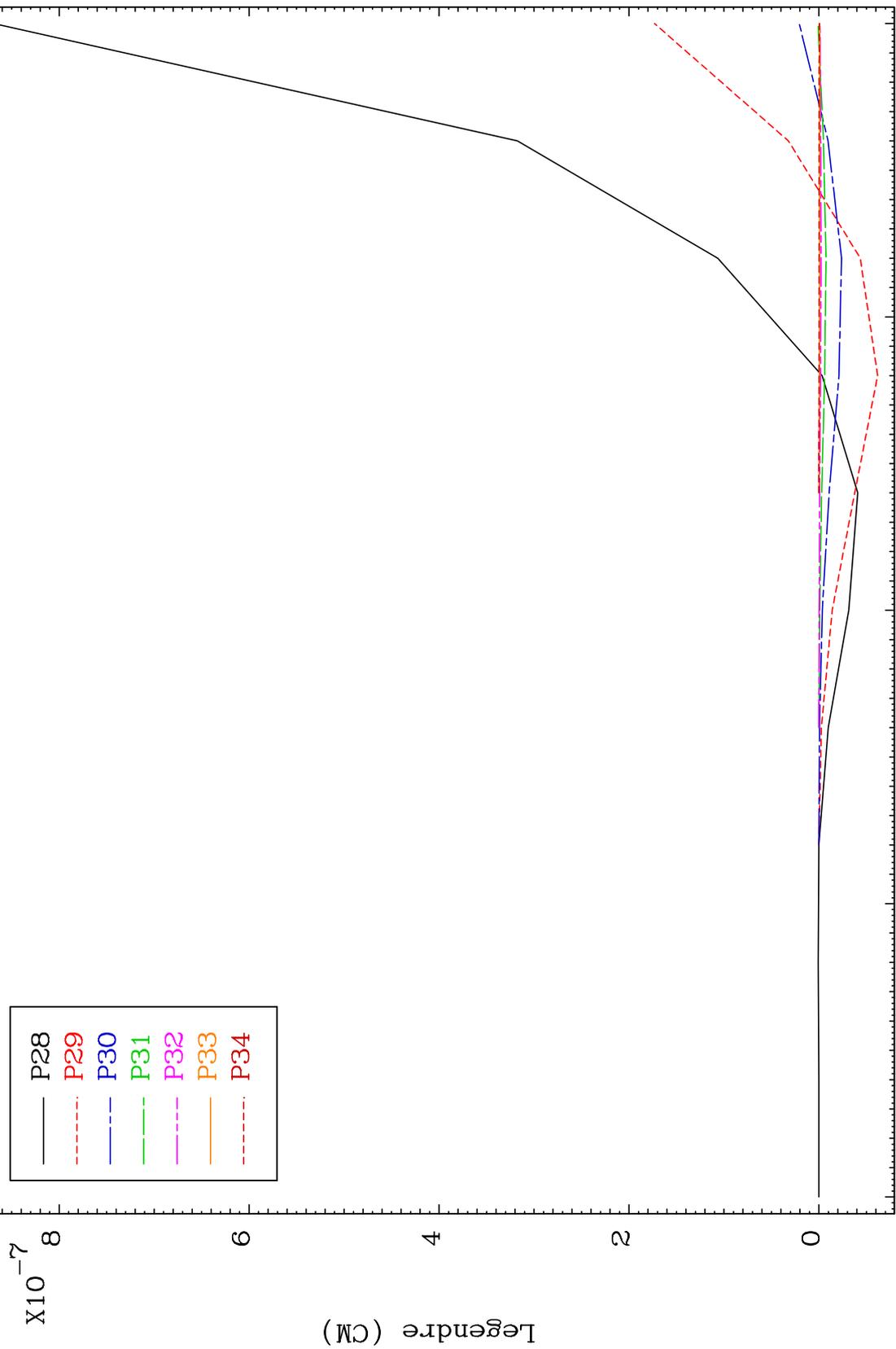
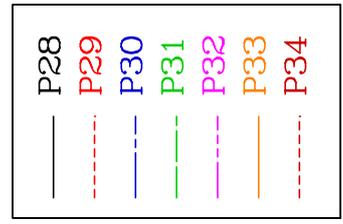
Incident Energy (MeV)

58-Ce-131

MAT 5810

Elastic Legendre Coefficients

58-Ce-131



10

15

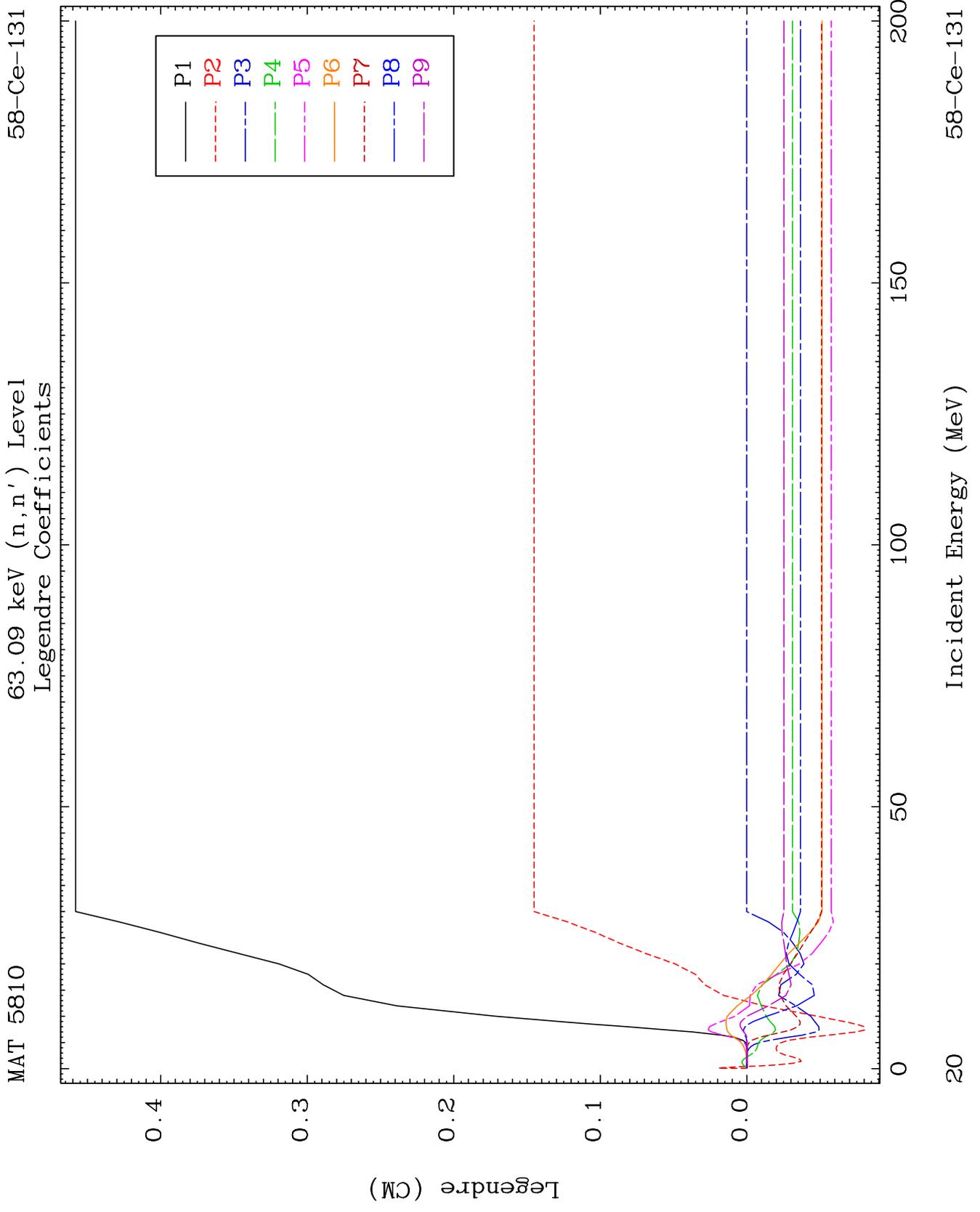
20

25

30

Incident Energy (MeV)

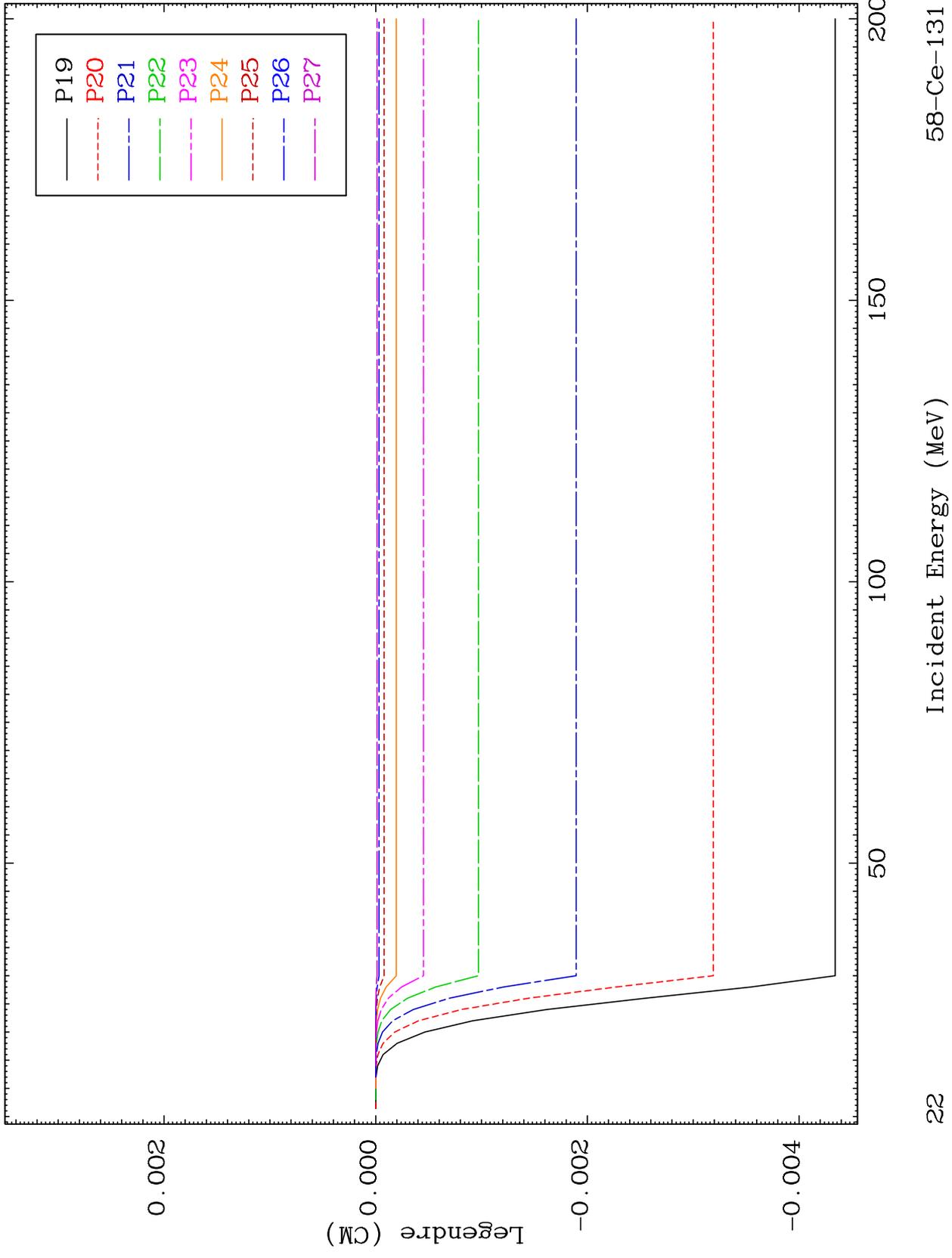
58-Ce-131



MAT 5810

63.09 keV (n,n') Level
Legendre Coefficients

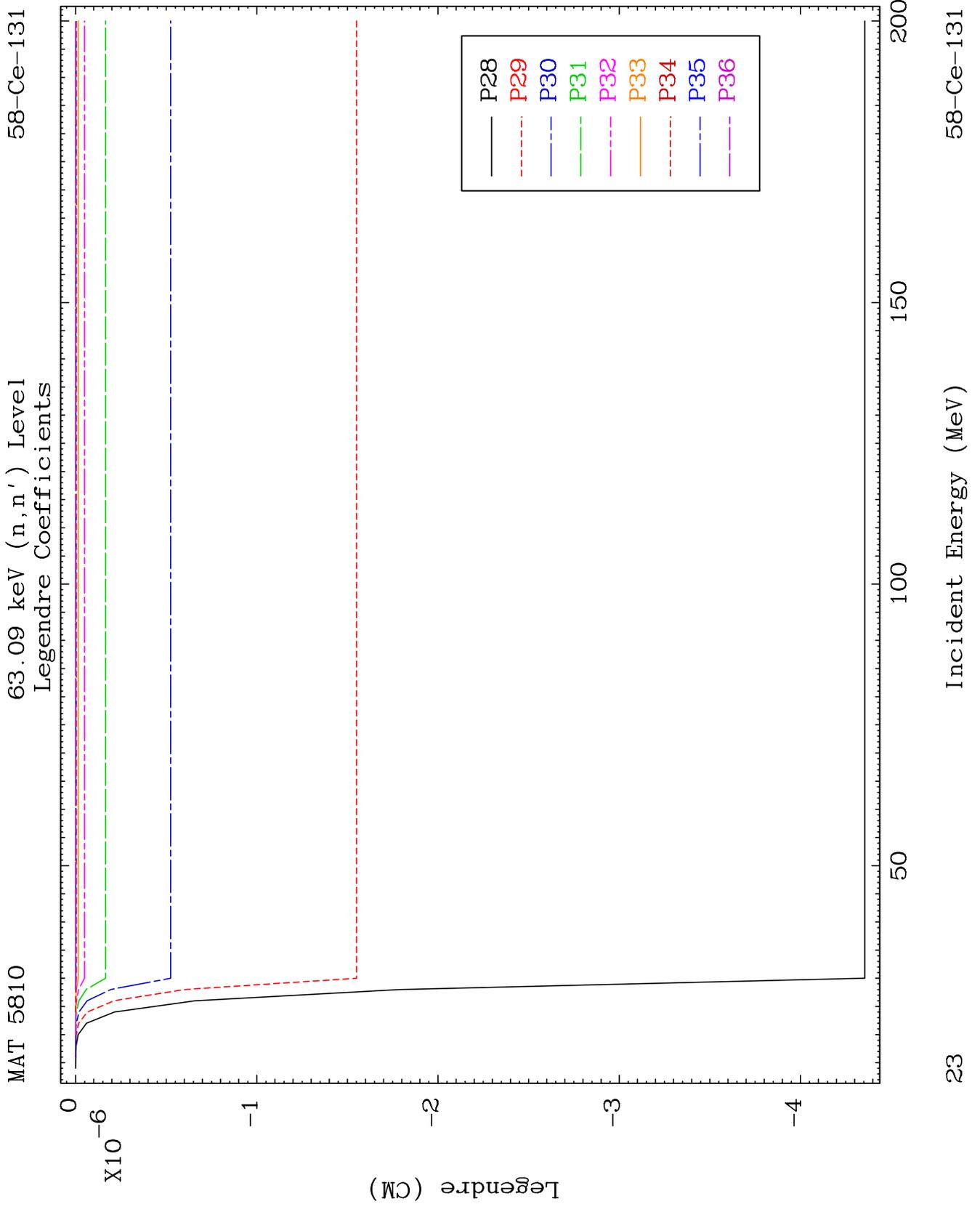
58-Ce-131



22

Incident Energy (MeV)

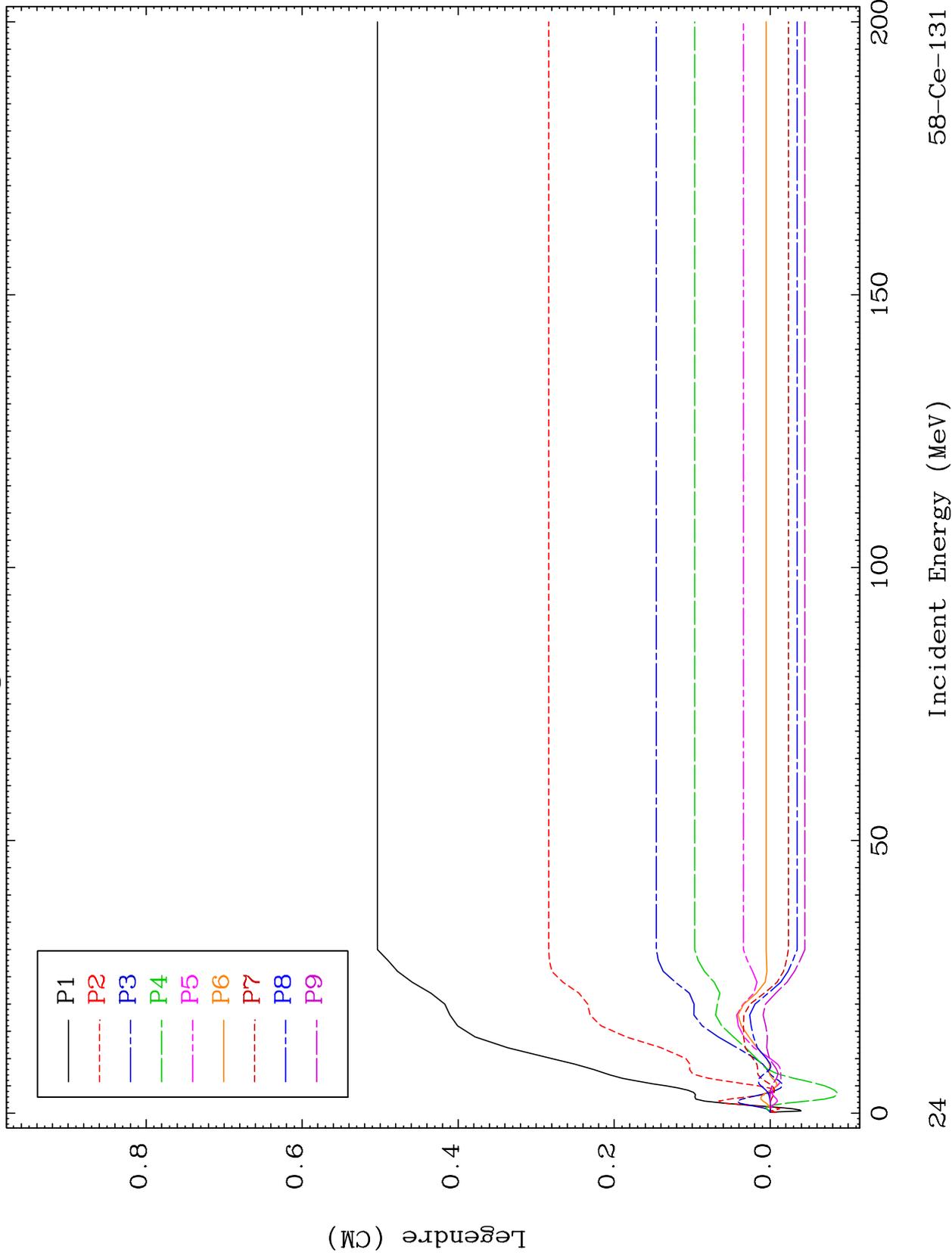
58-Ce-131



MAT 5810

135.9 keV (n,n') Level
Legendre Coefficients

58-Ce-131



24

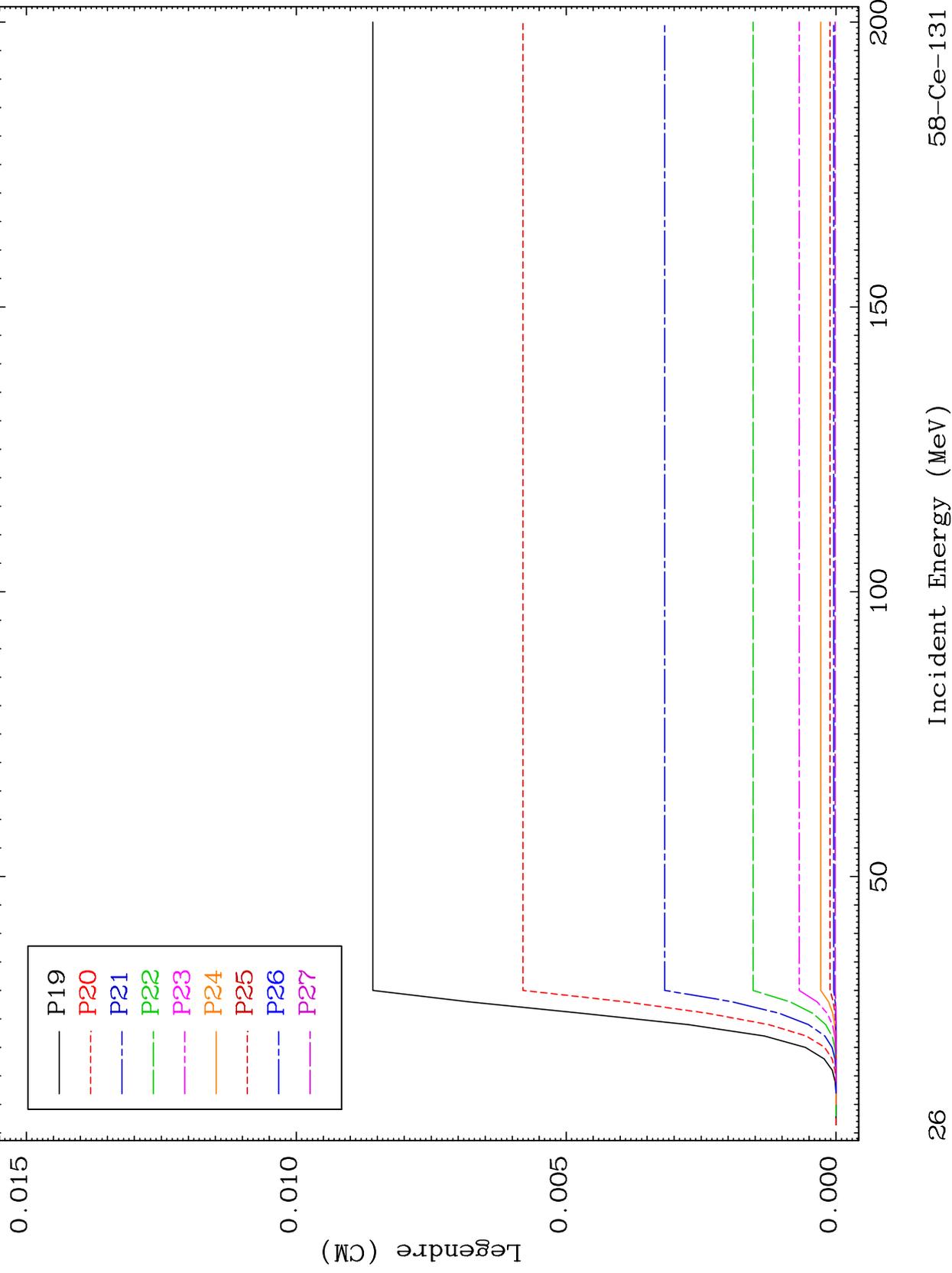
Incident Energy (MeV)

58-Ce-131

MAT 5810

135.9 keV (n,n') Level
Legendre Coefficients

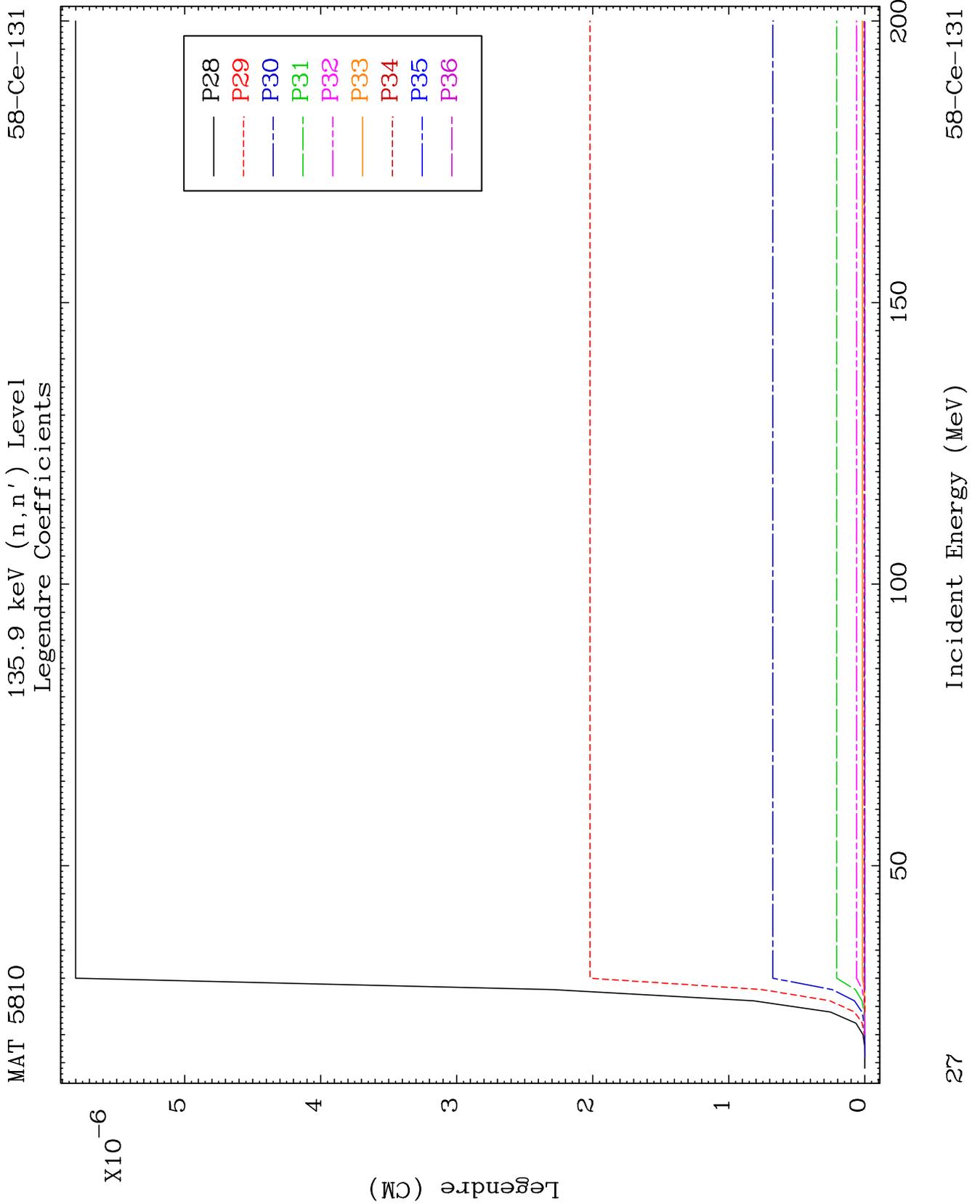
58-Ce-131

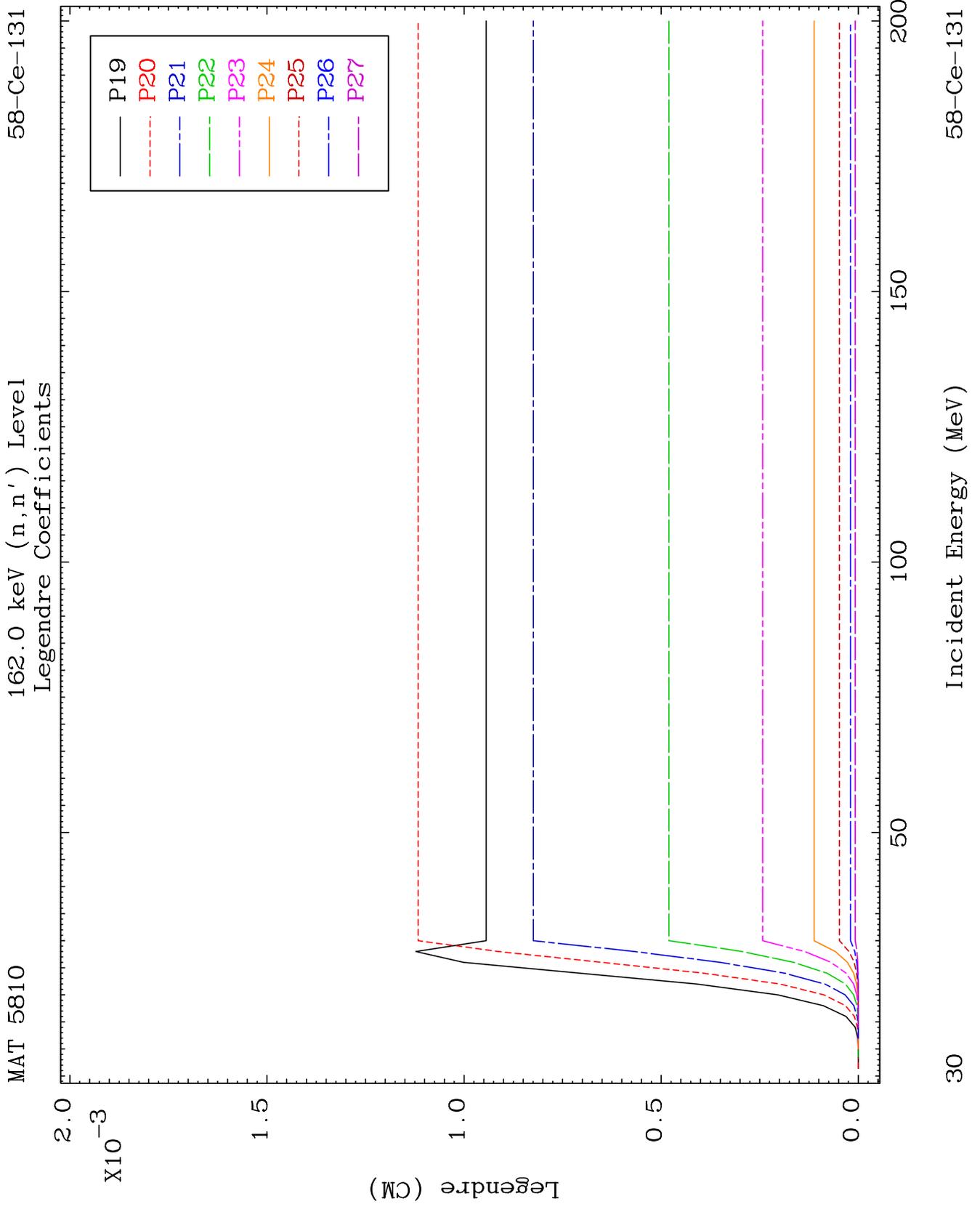


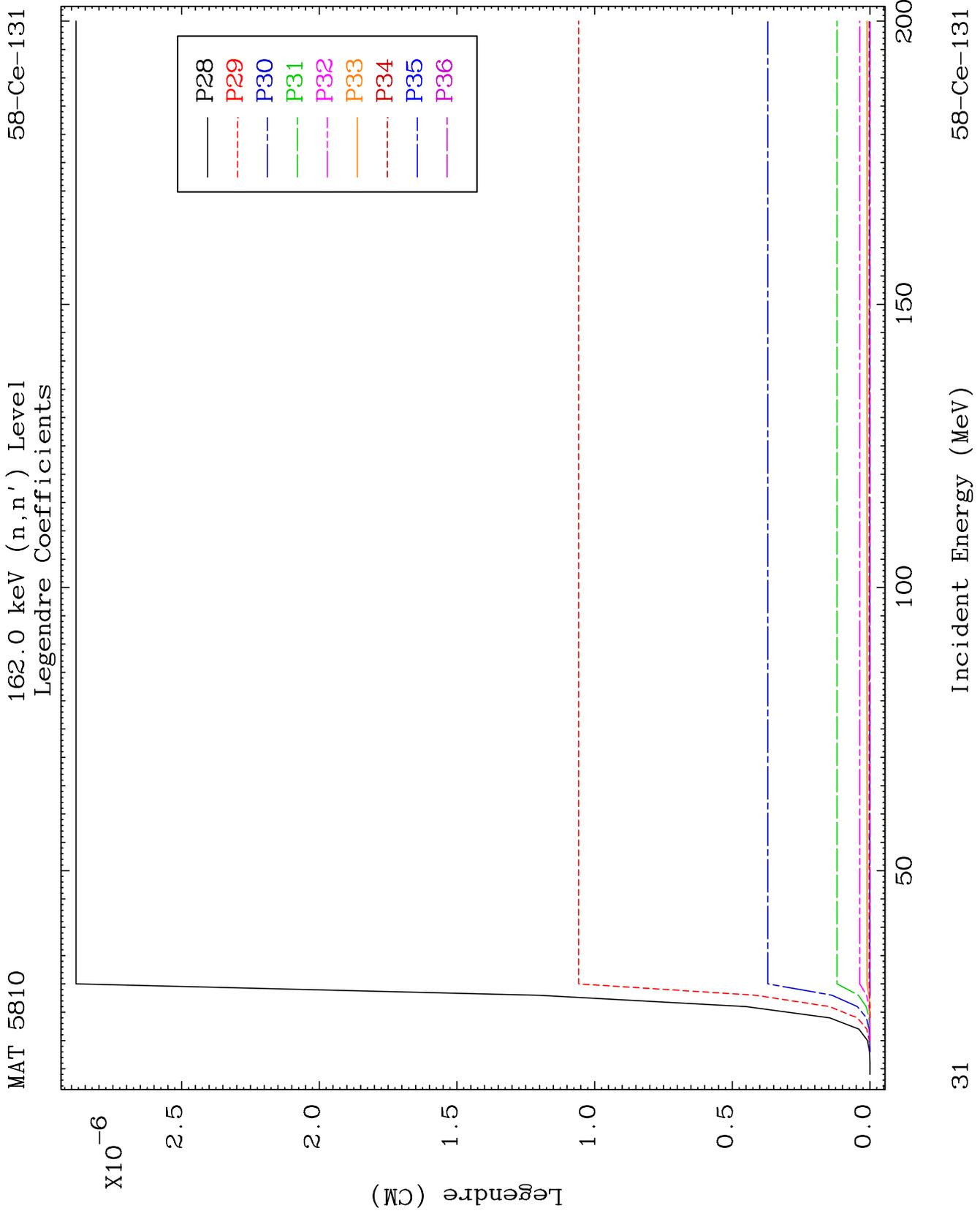
26

Incident Energy (MeV)

58-Ce-131



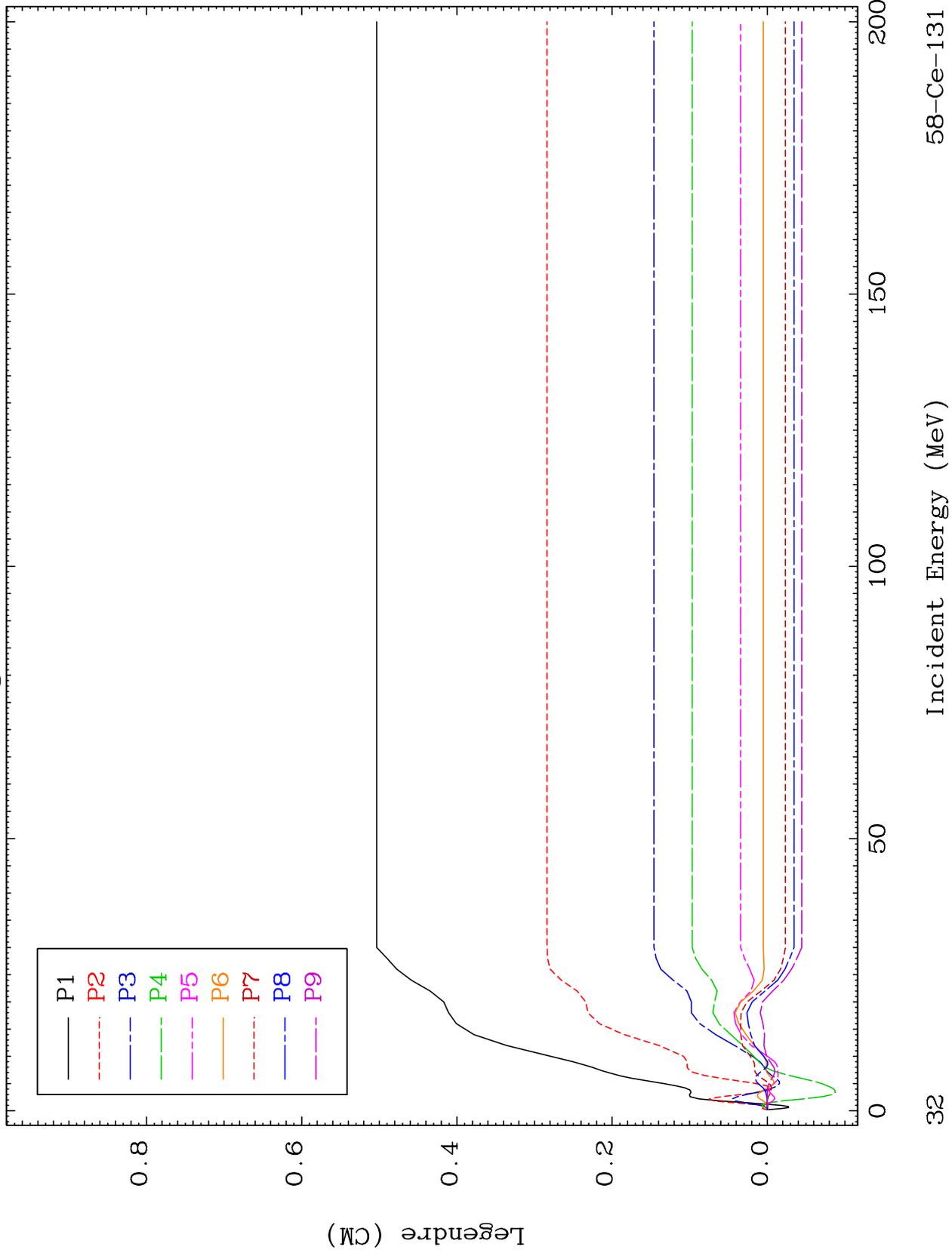




MAT 5810

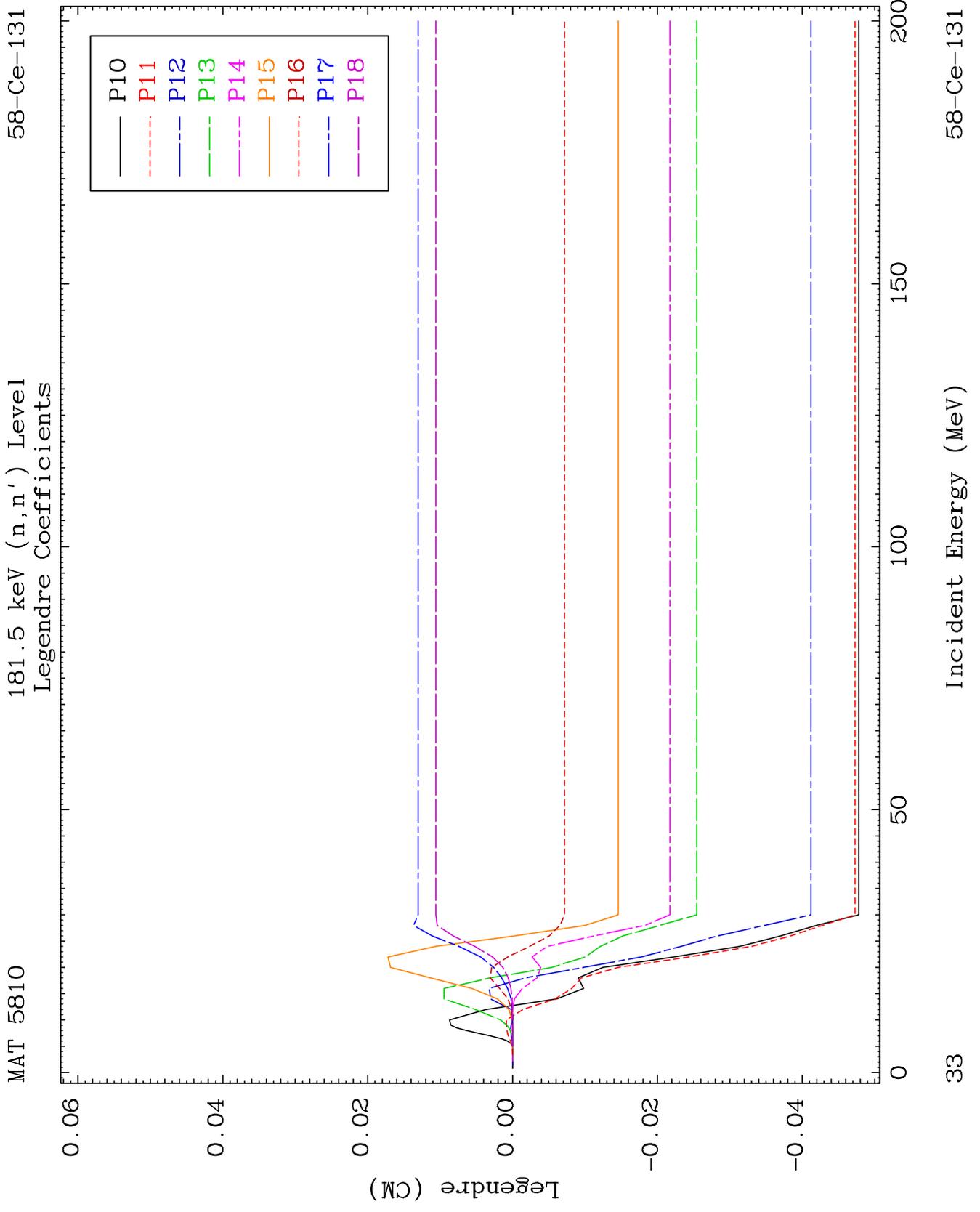
181.5 keV (n,n') Level
Legendre Coefficients

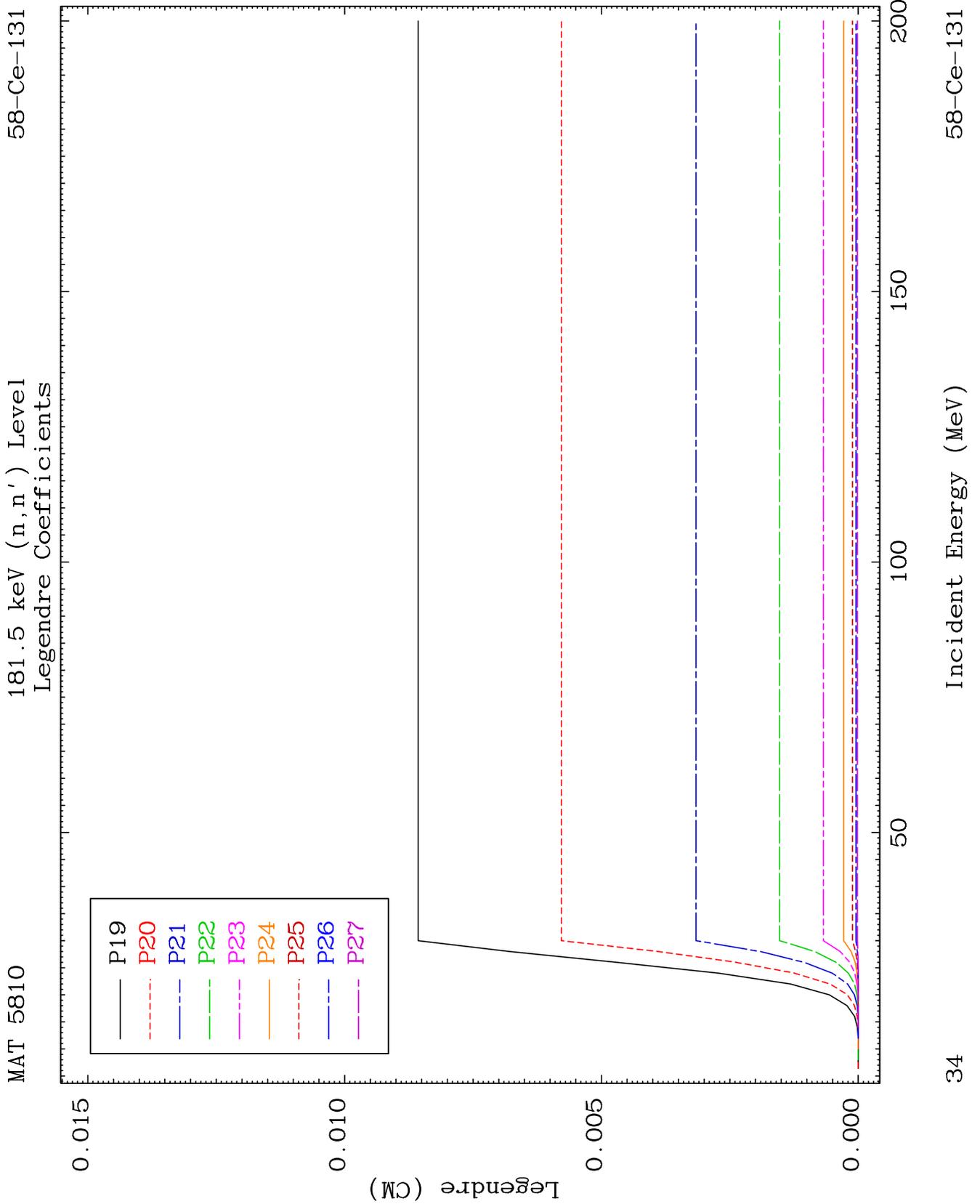
58-Ce-131



32

58-Ce-131

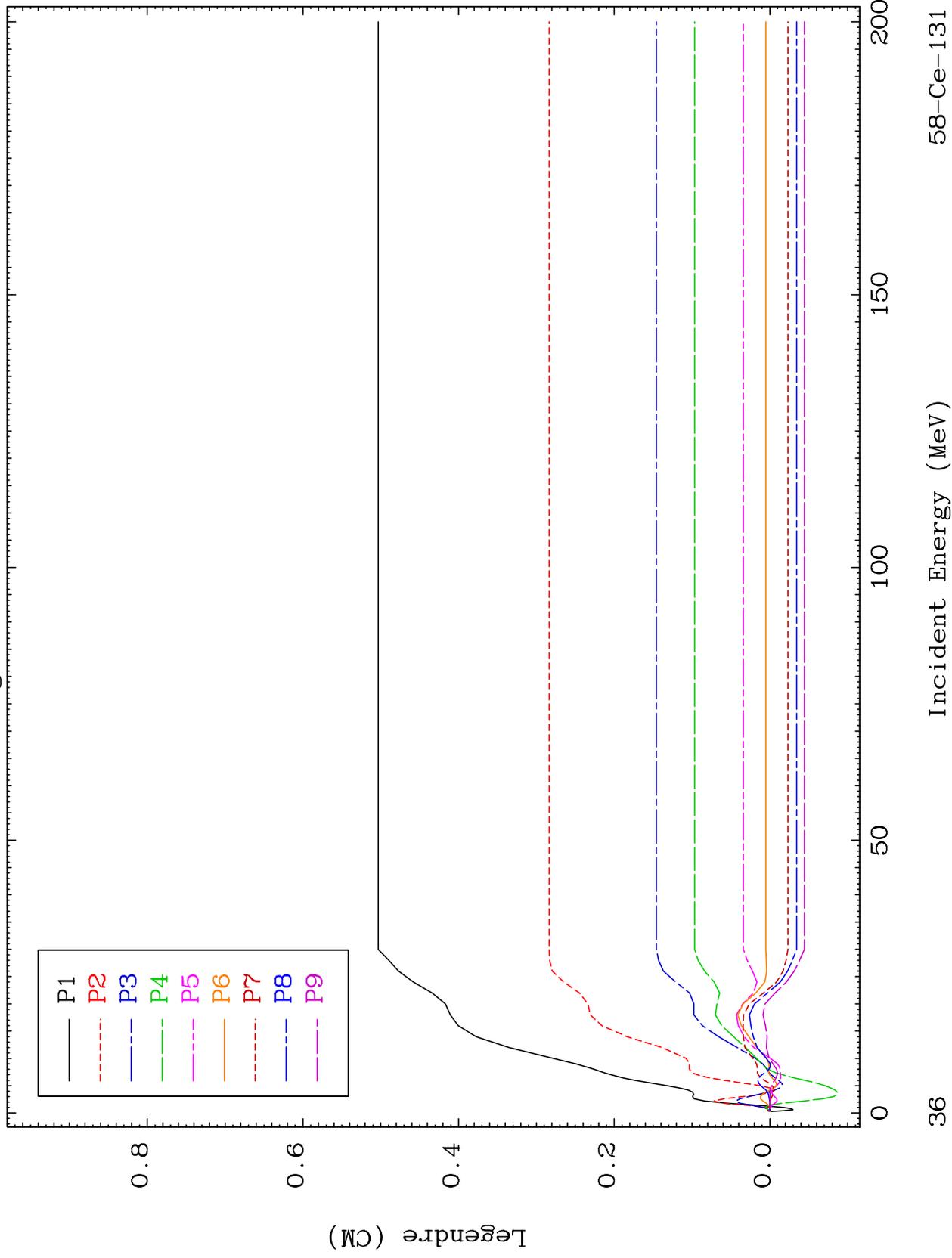




MAT 5810

257.1 keV (n,n') Level
Legendre Coefficients

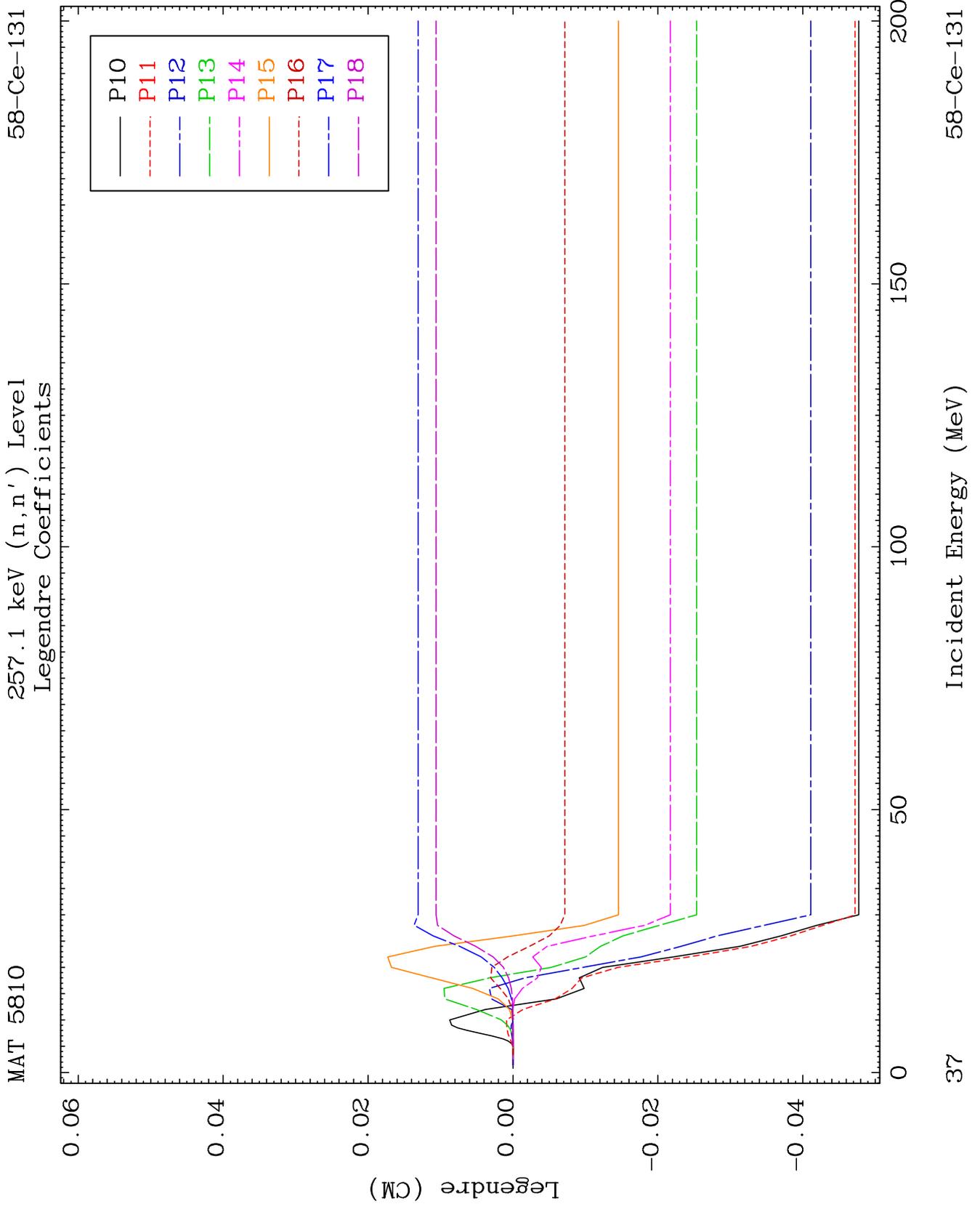
58-Ce-131



36

Incident Energy (MeV)

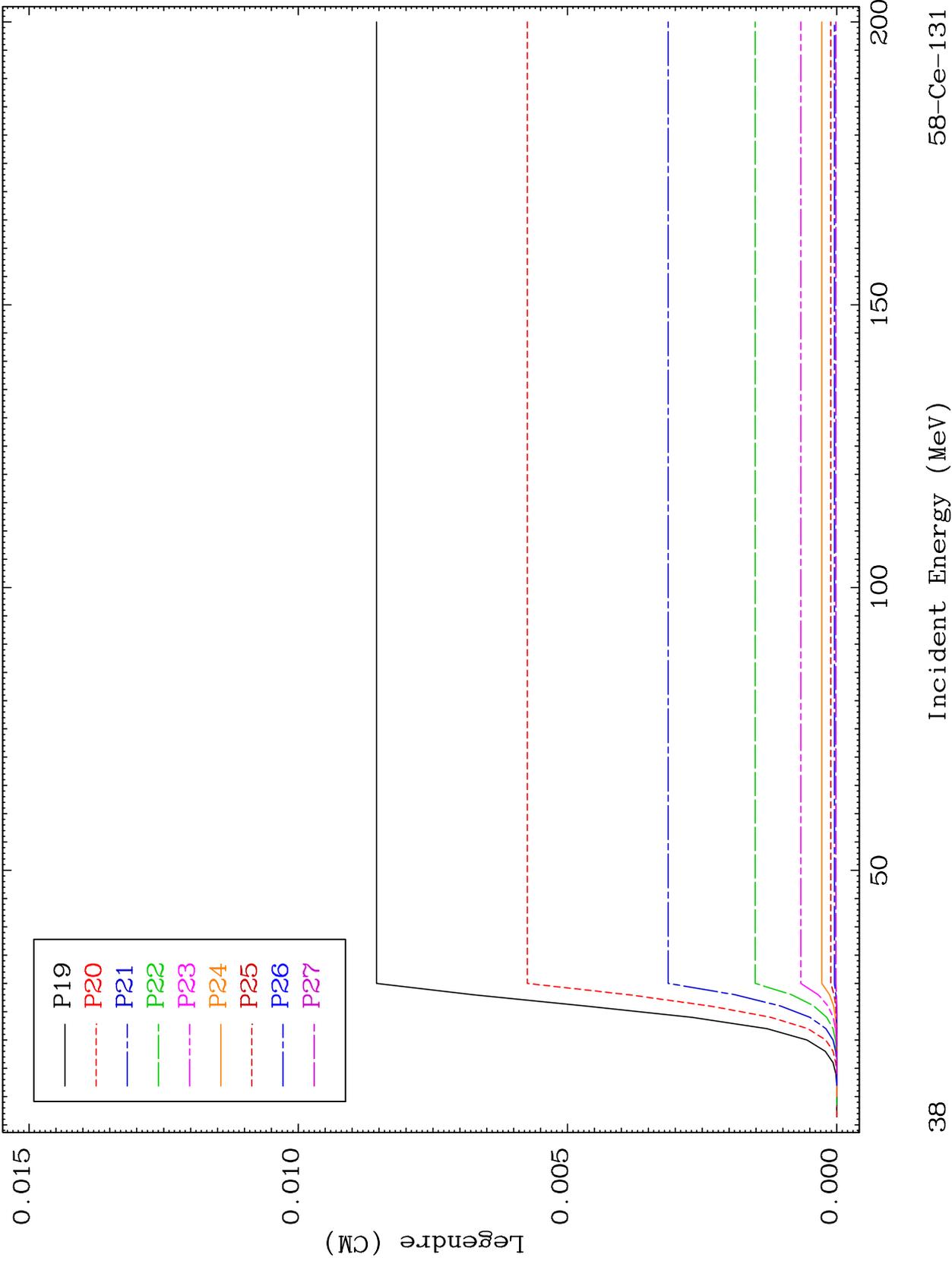
58-Ce-131



MAT 5810

257.1 keV (n,n') Level
Legendre Coefficients

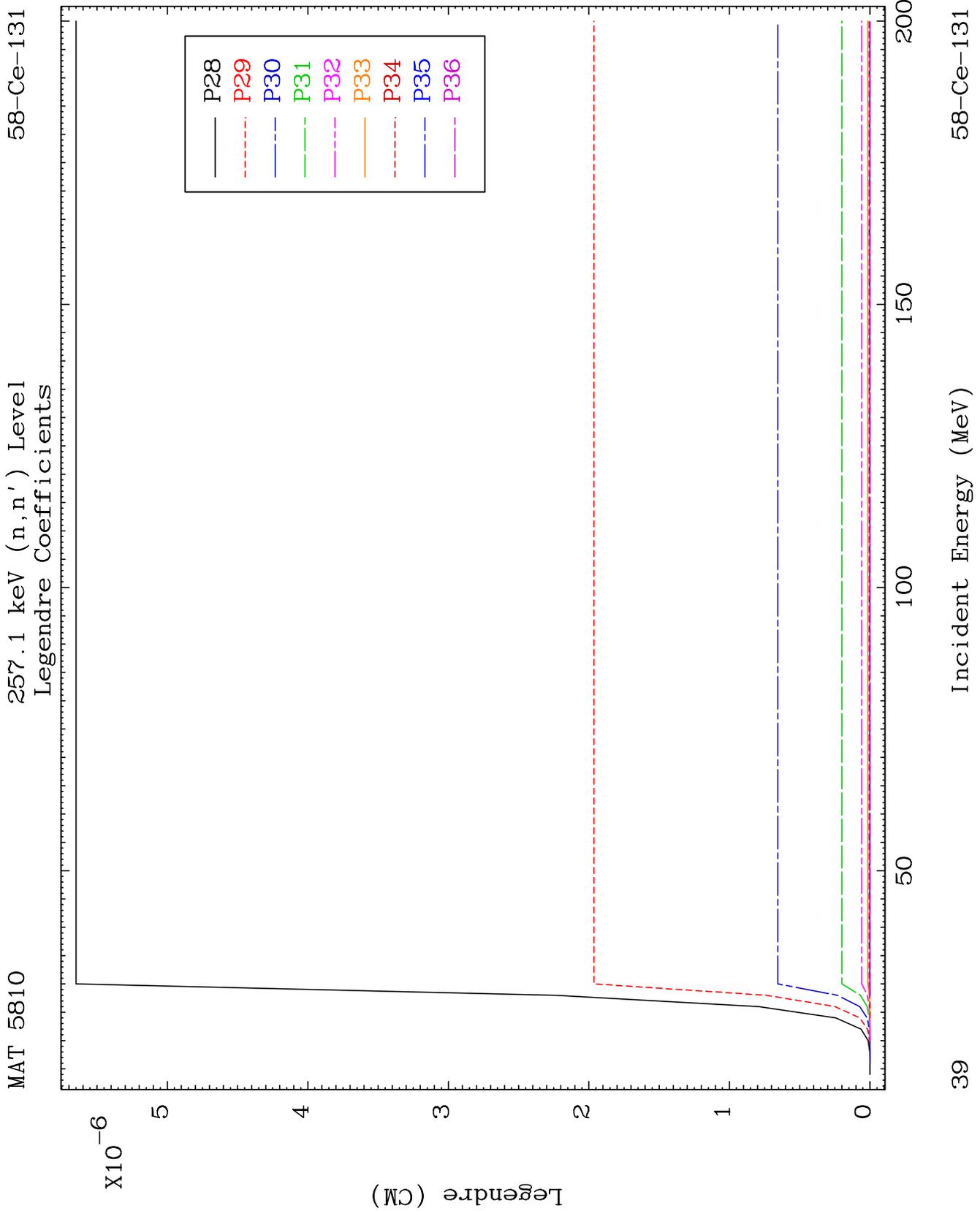
58-Ce-131



38

Incident Energy (MeV)

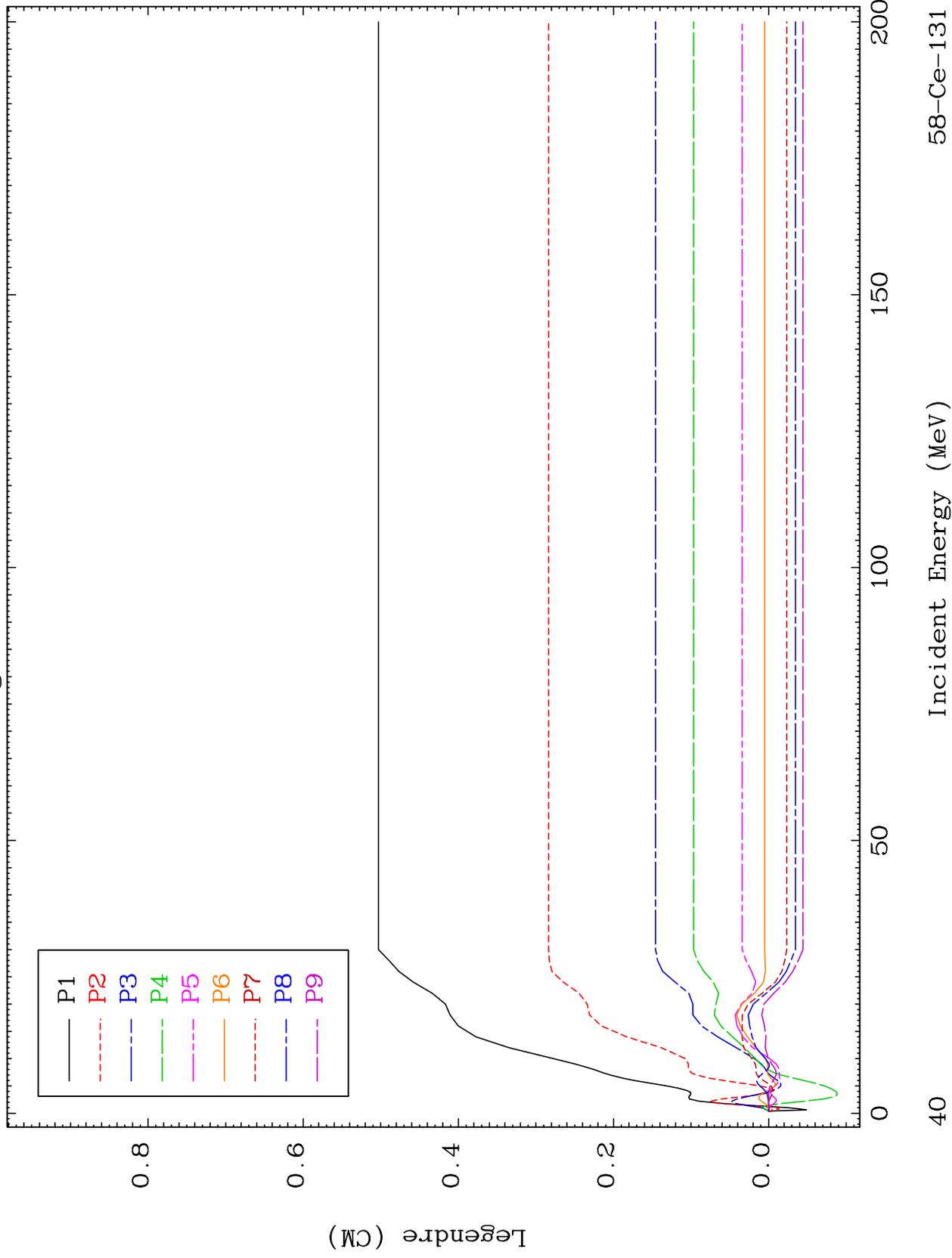
58-Ce-131



MAT 5810

300.3 keV (n,n') Level
Legendre Coefficients

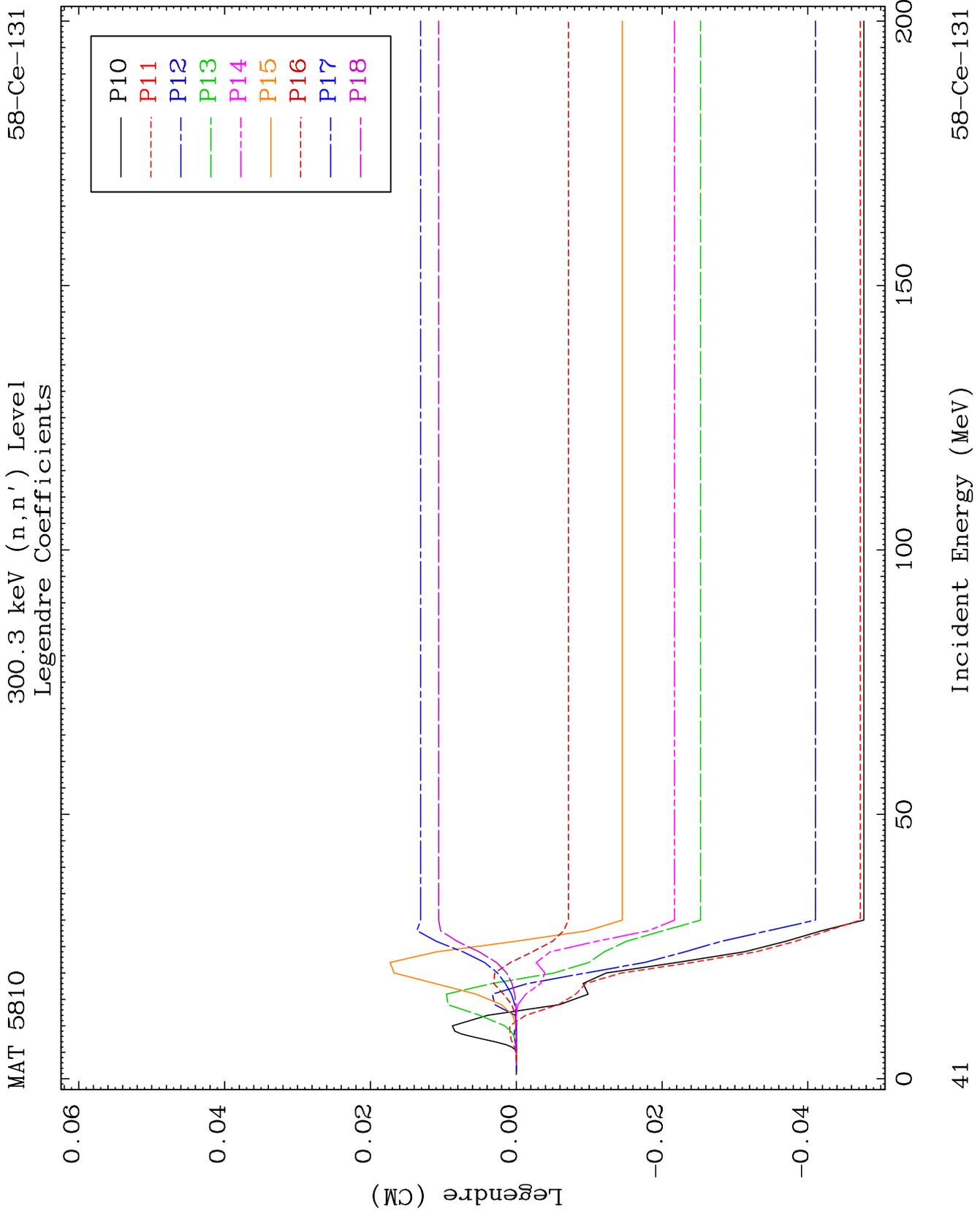
58-Ce-131



58-Ce-131

Incident Energy (MeV)

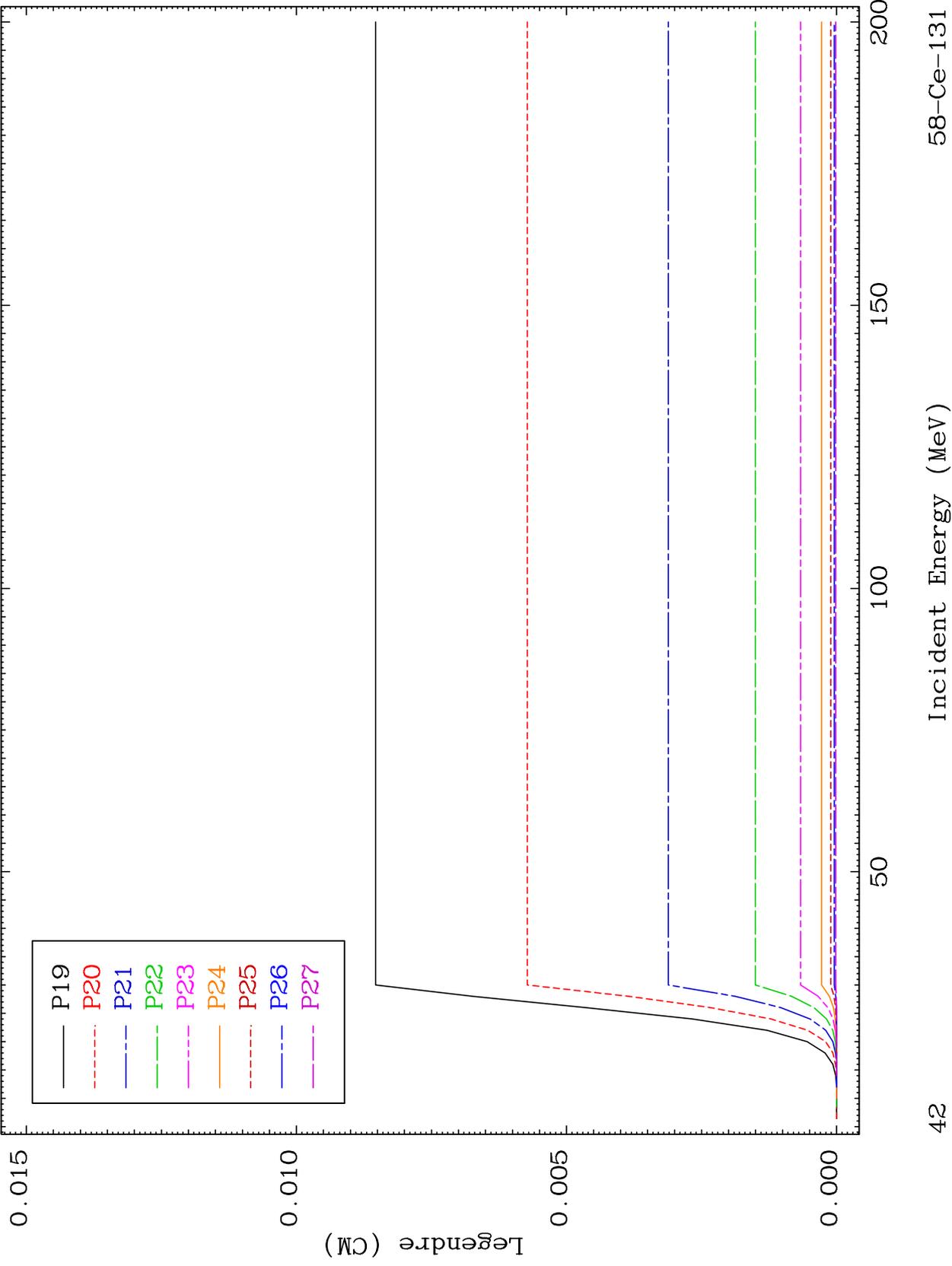
40



MAT 5810

300.3 keV (n, n') Level
Legendre Coefficients

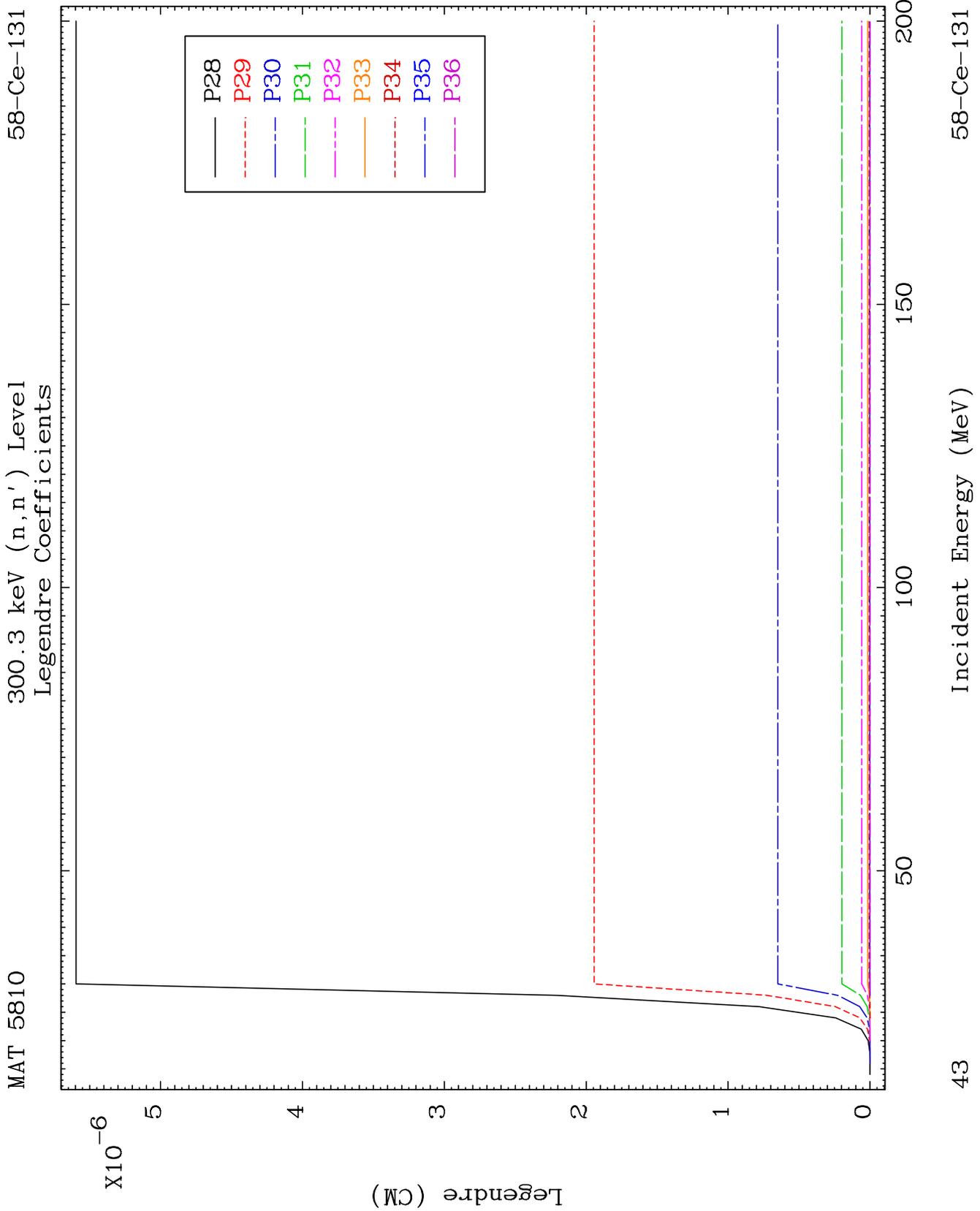
58-Ce-131



42

Incident Energy (MeV)

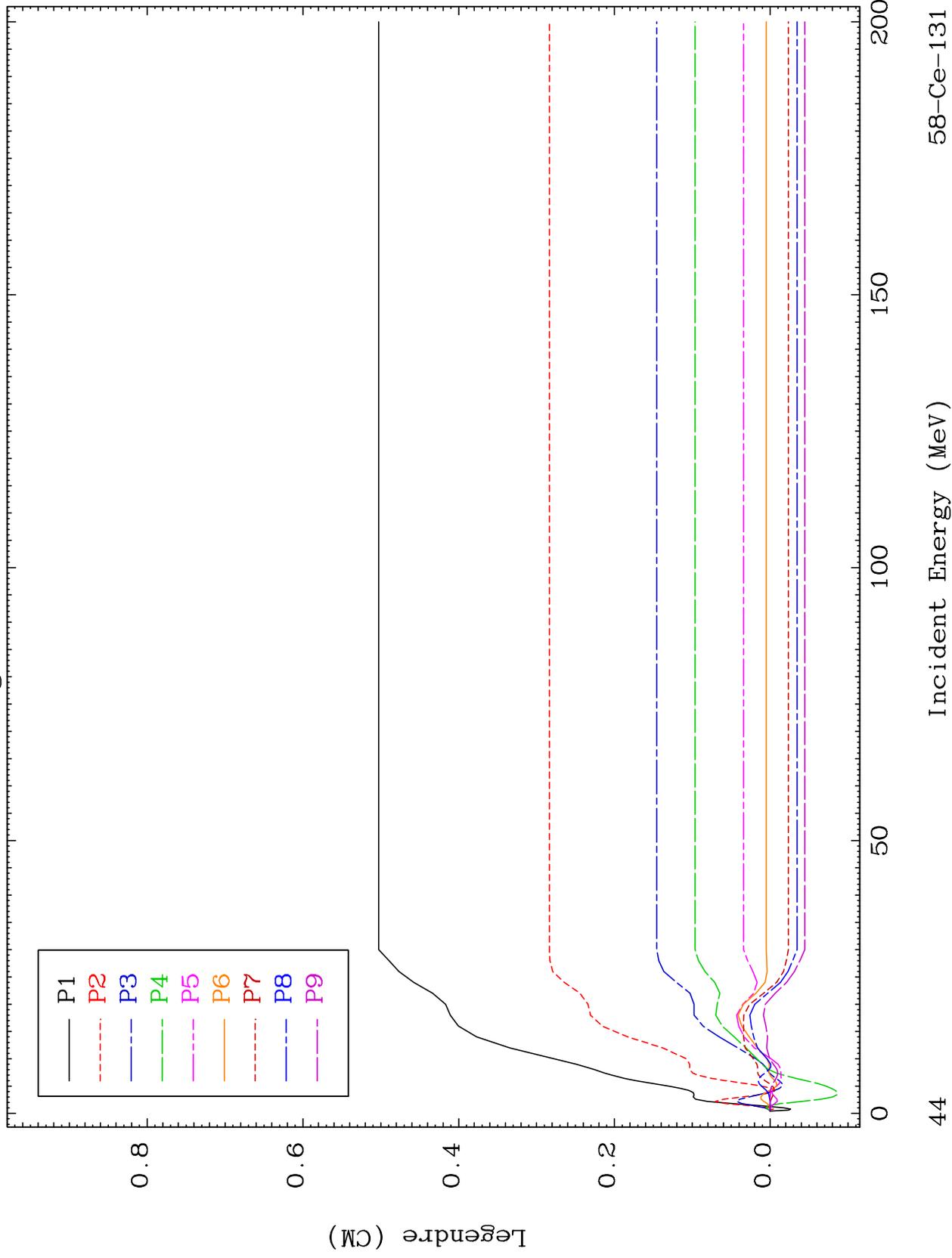
58-Ce-131



MAT 5810

329.2 keV (n,n') Level
Legendre Coefficients

58-Ce-131



58-Ce-131

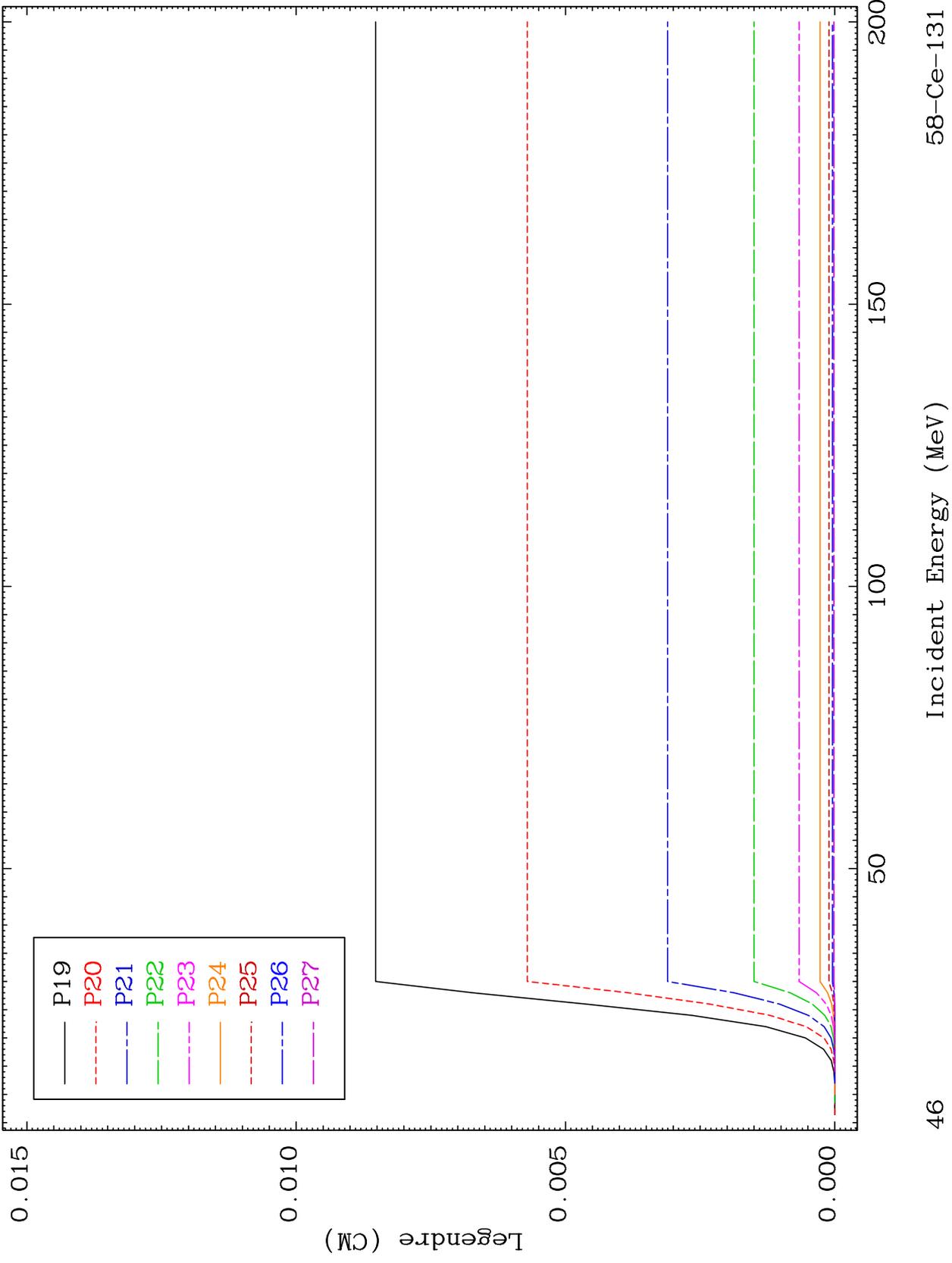
Incident Energy (MeV)

44

MAT 5810

329.2 keV (n,n') Level
Legendre Coefficients

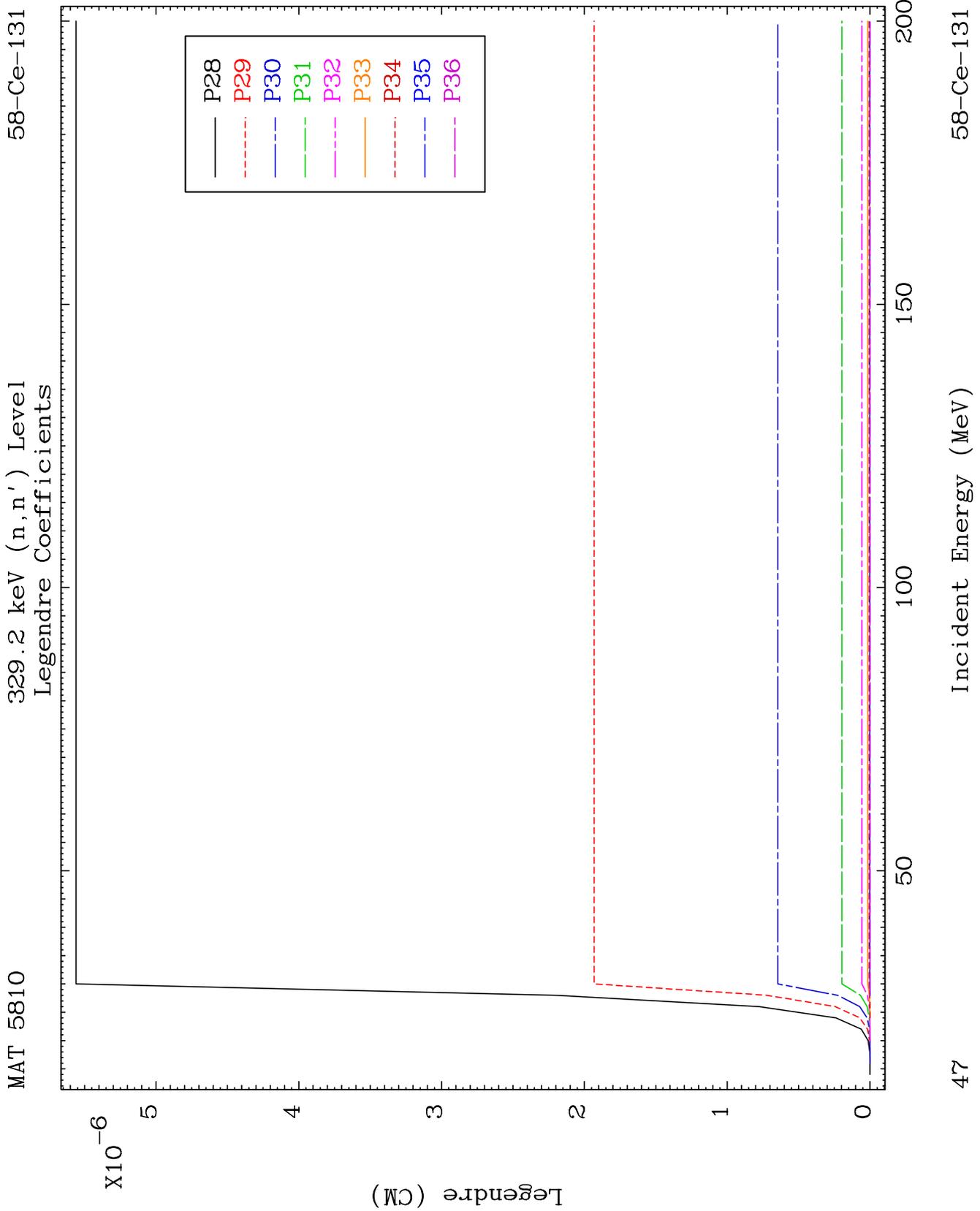
58-Ce-131



46

Incident Energy (MeV)

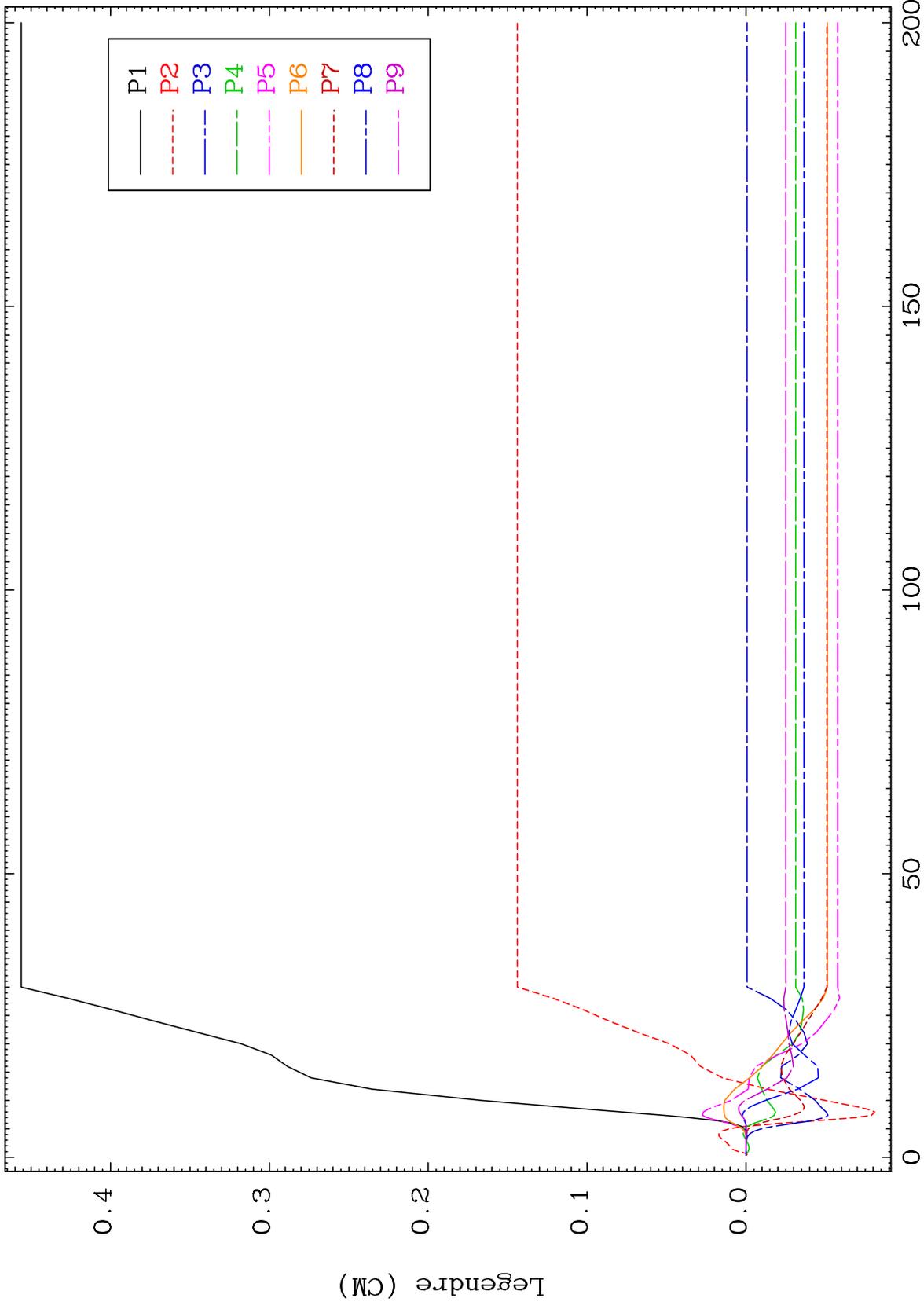
58-Ce-131



MAT 5810

342.6 keV (n,n') Level
Legendre Coefficients

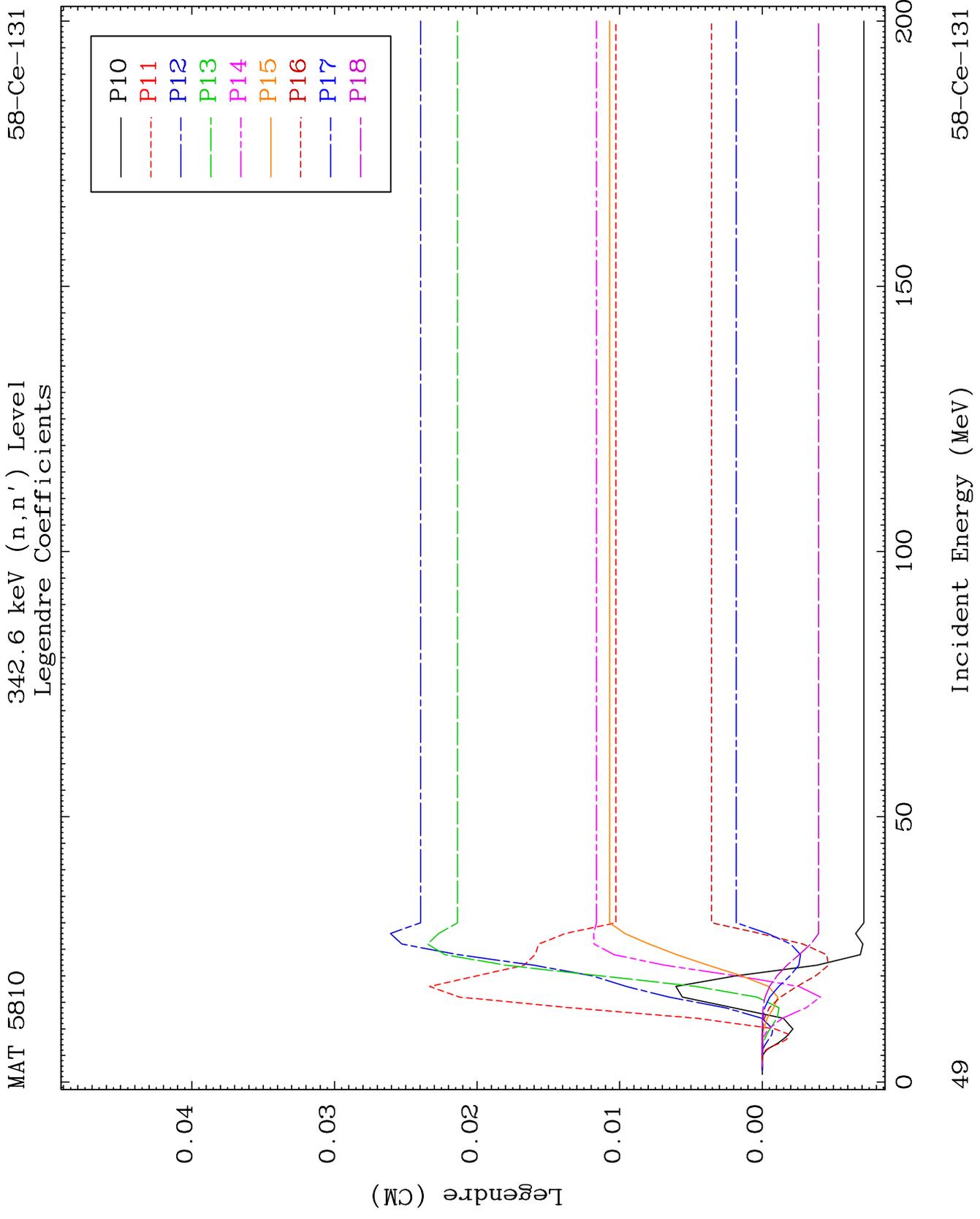
58-Ce-131

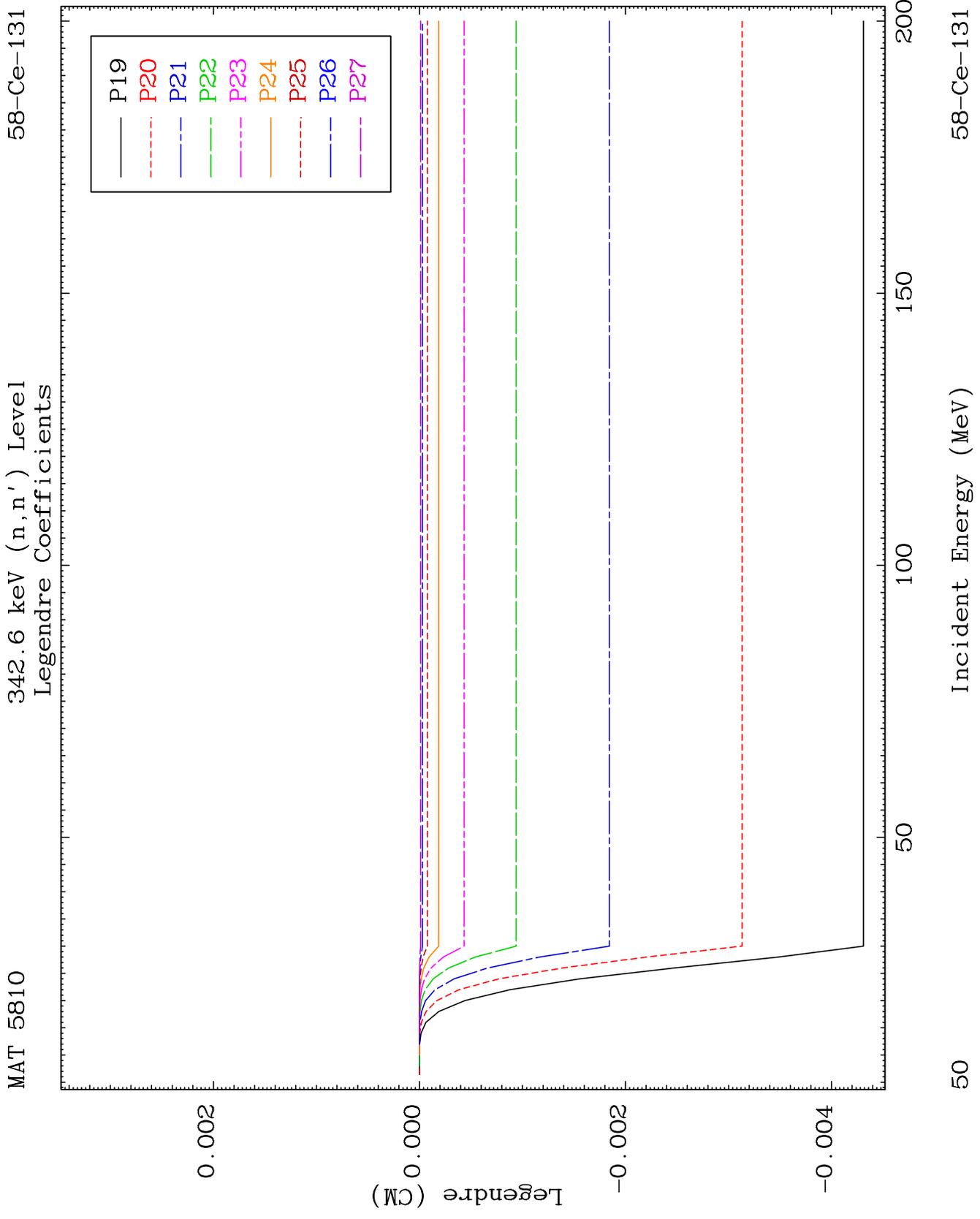


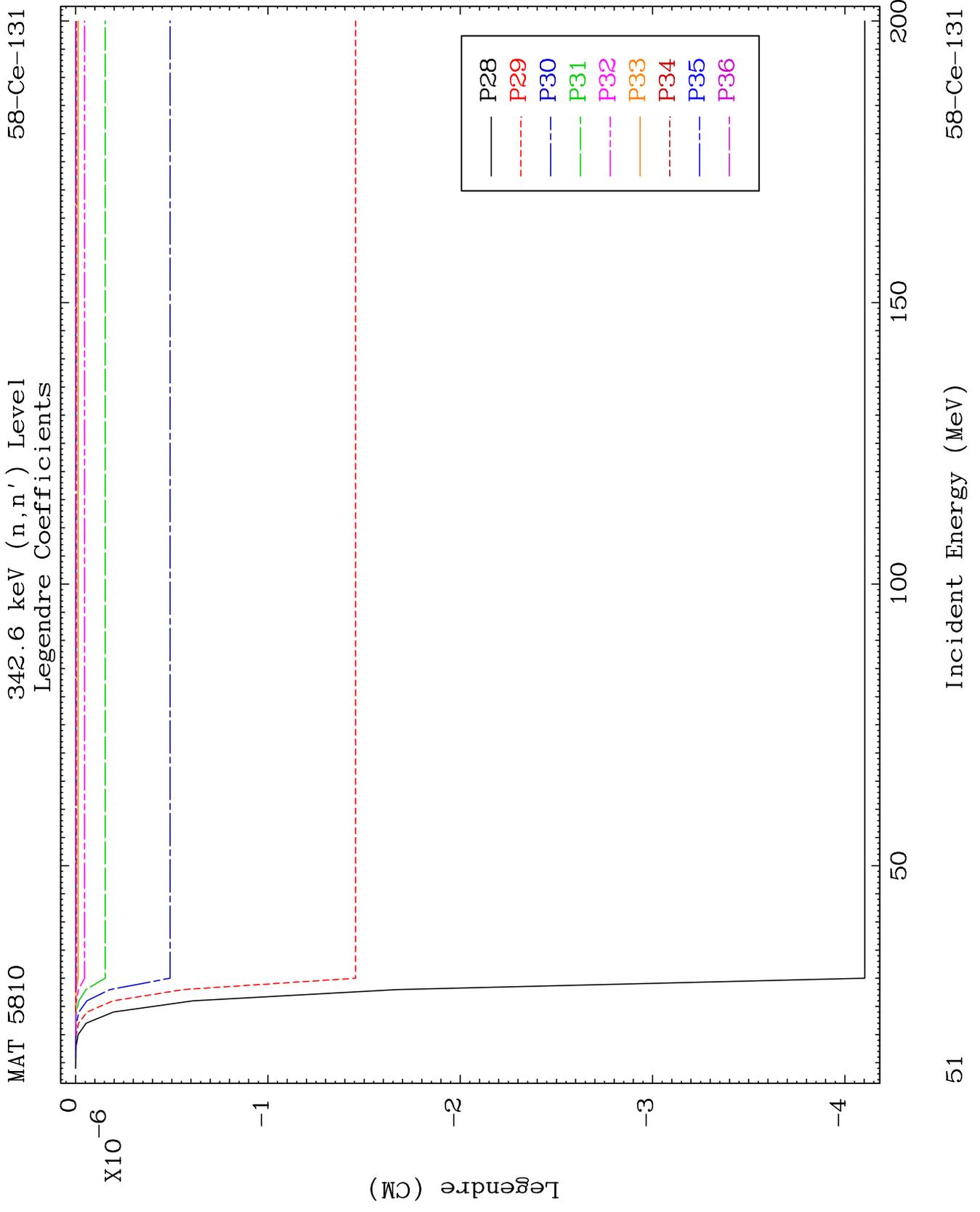
58-Ce-131

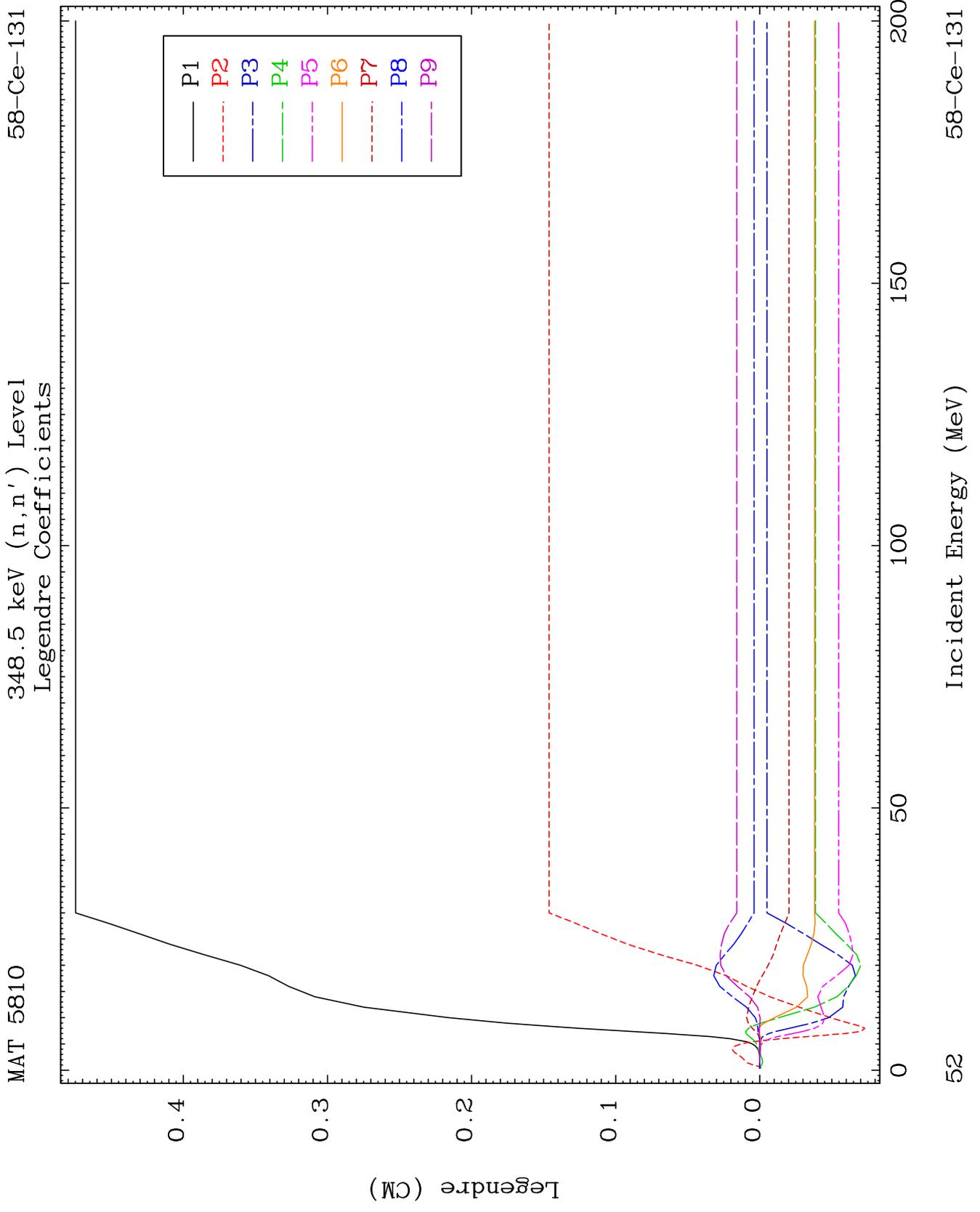
Incident Energy (MeV)

48





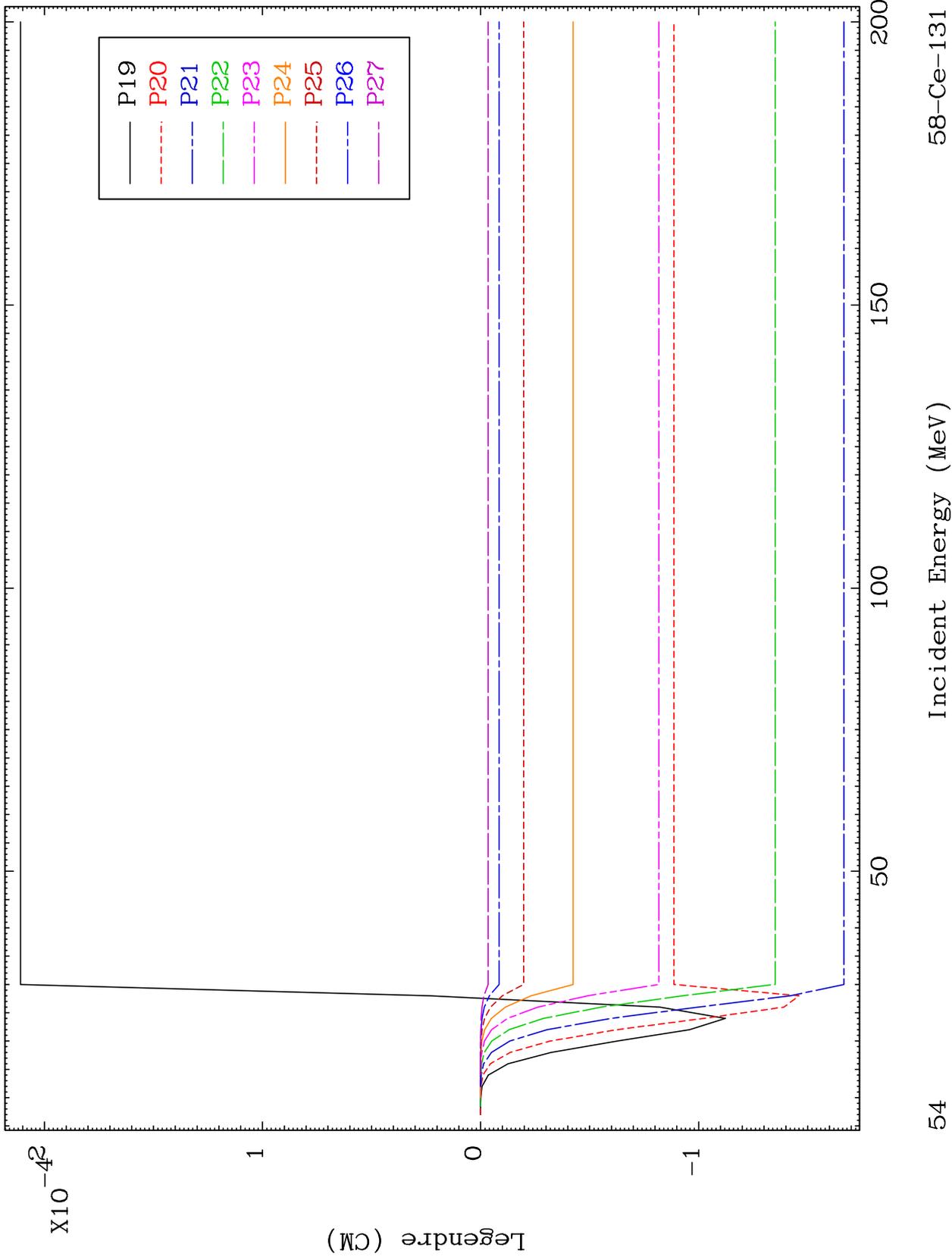




MAT 5810

348.5 keV (n,n') Level
Legendre Coefficients

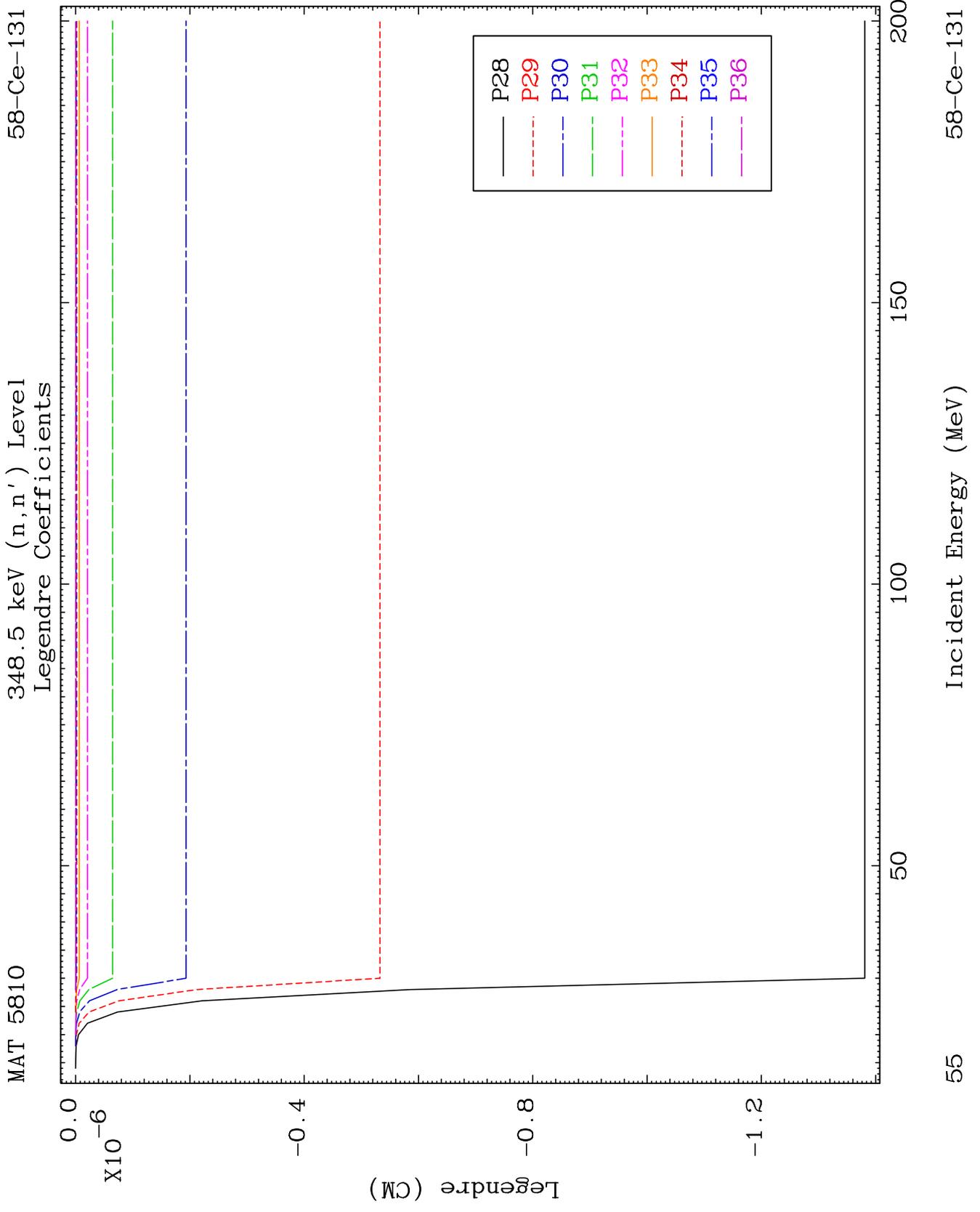
58-Ce-131

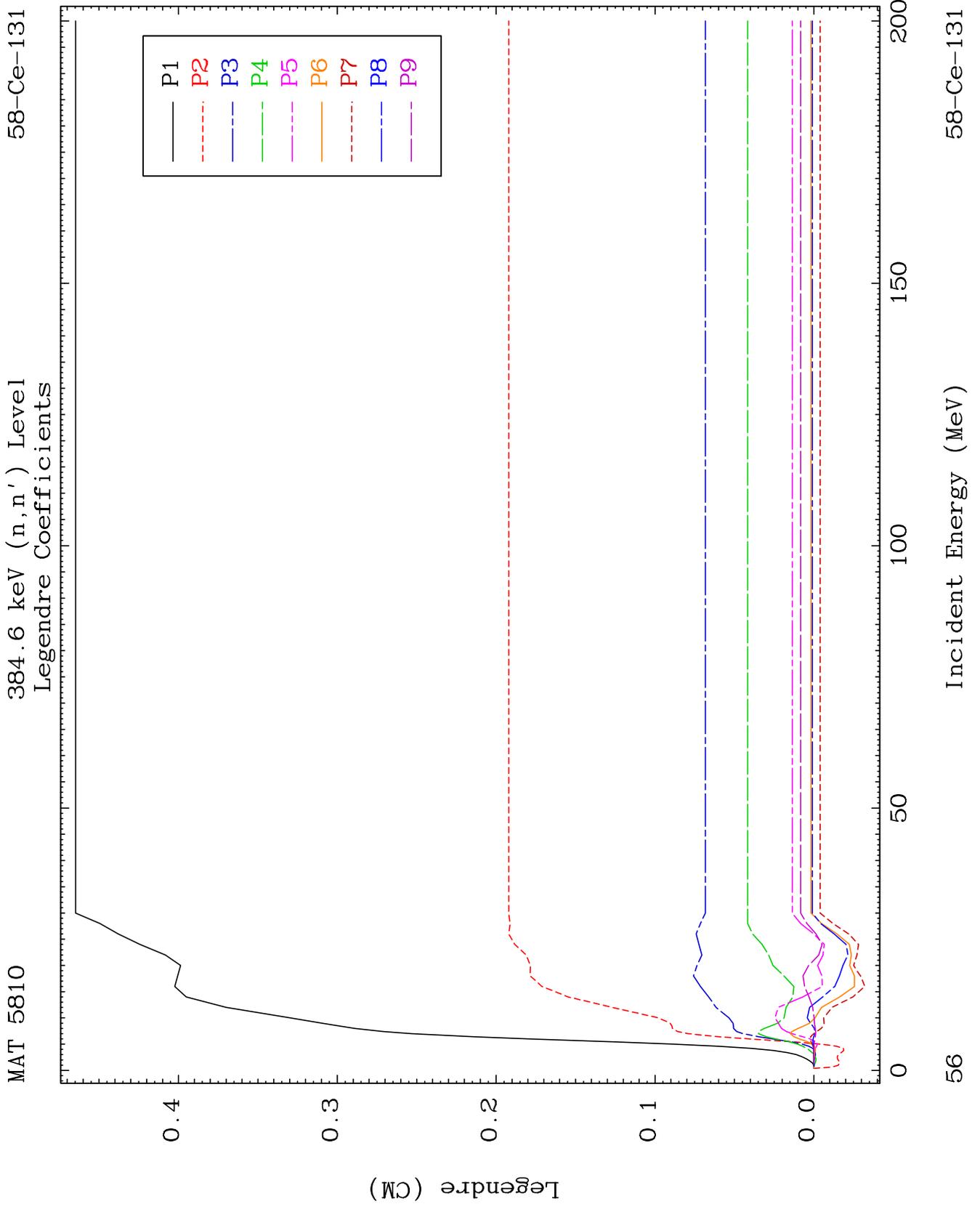


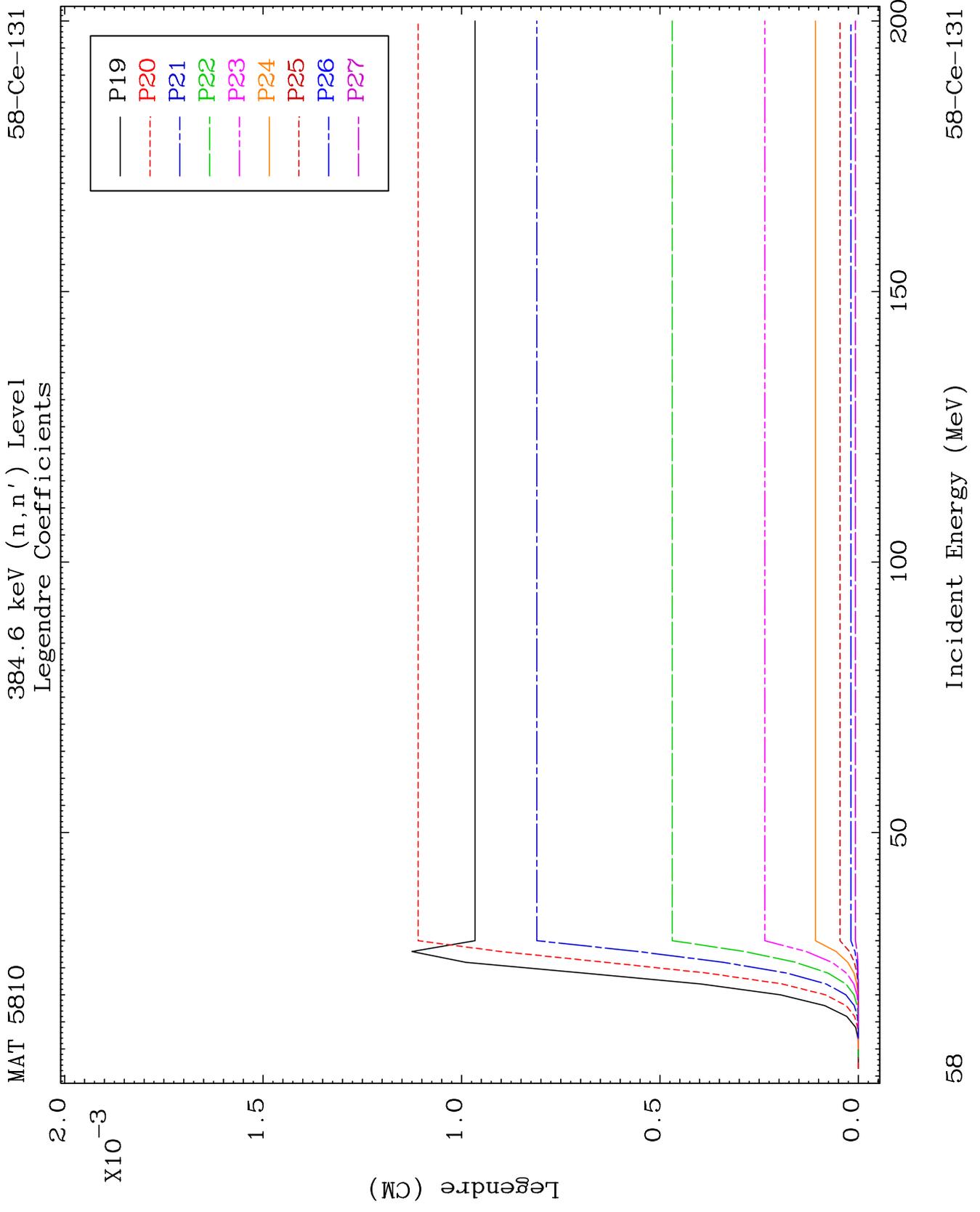
54

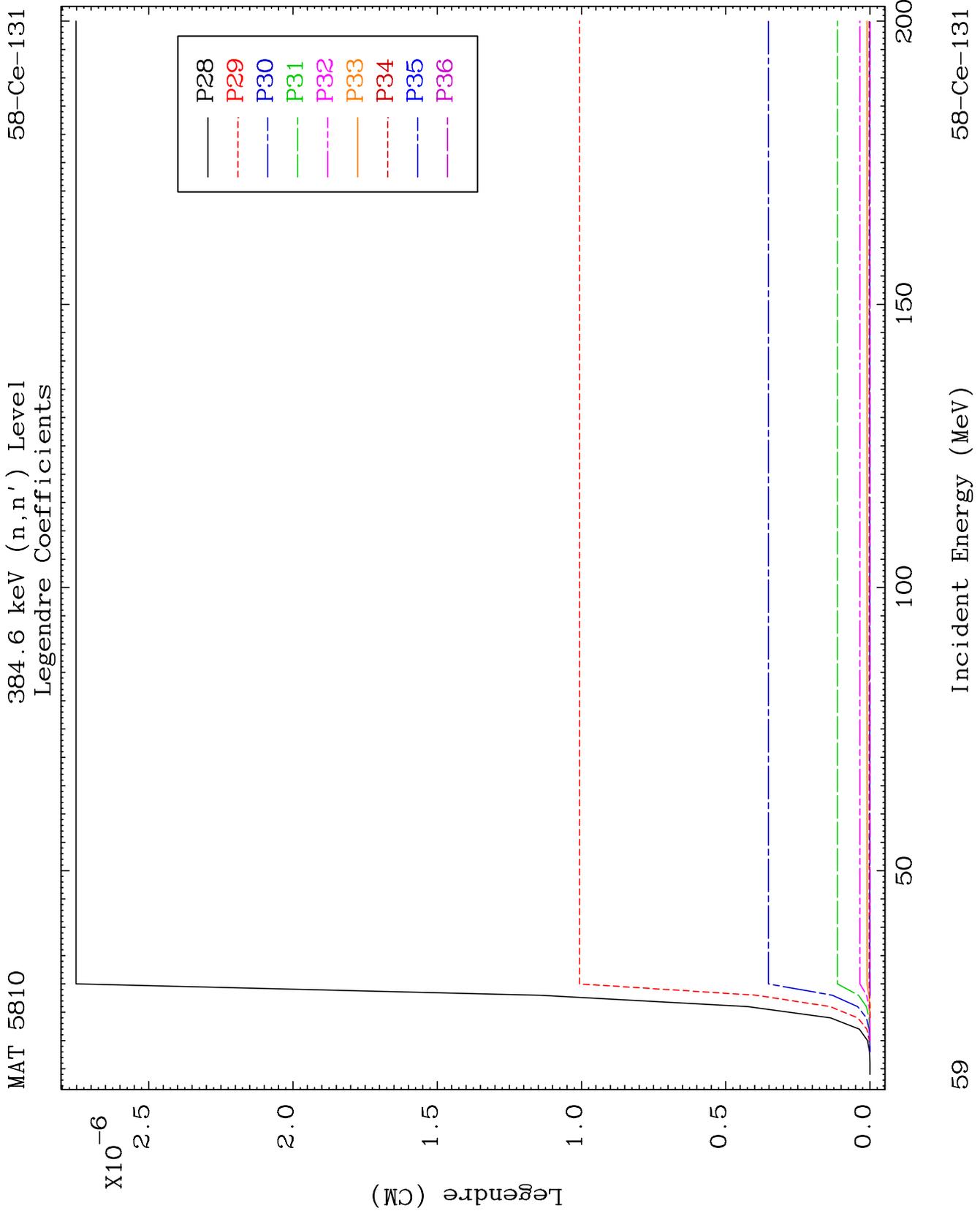
Incident Energy (MeV)

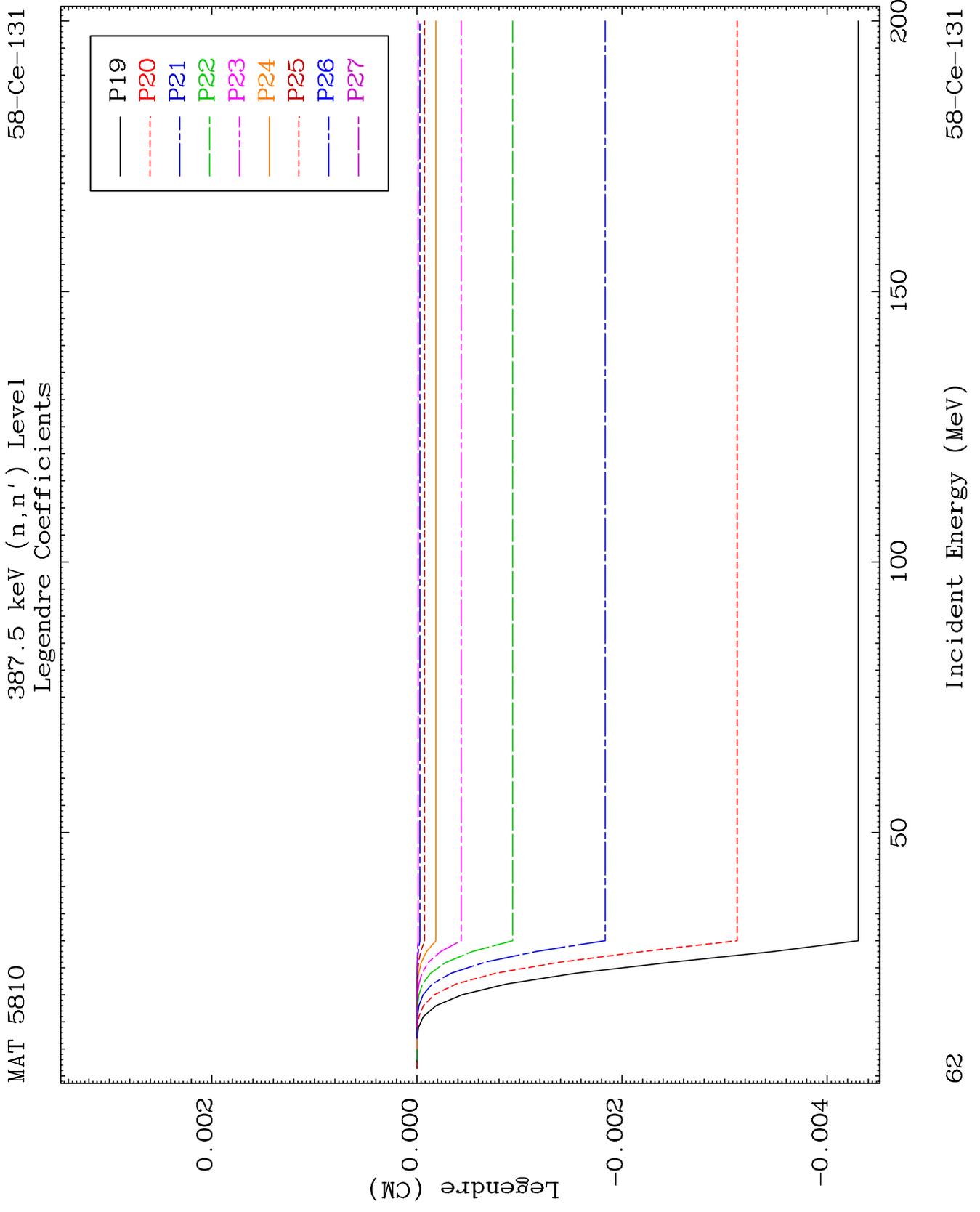
58-Ce-131

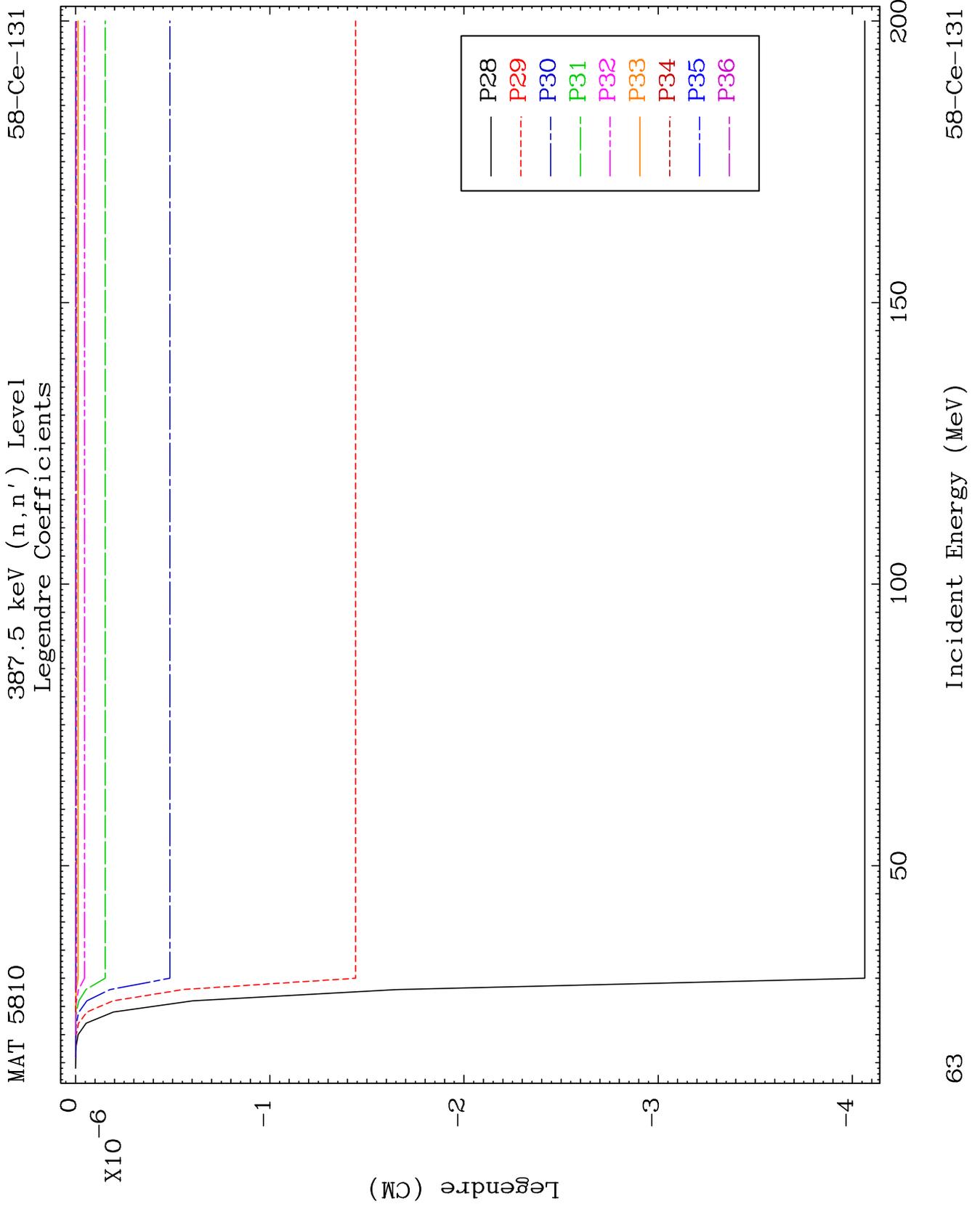


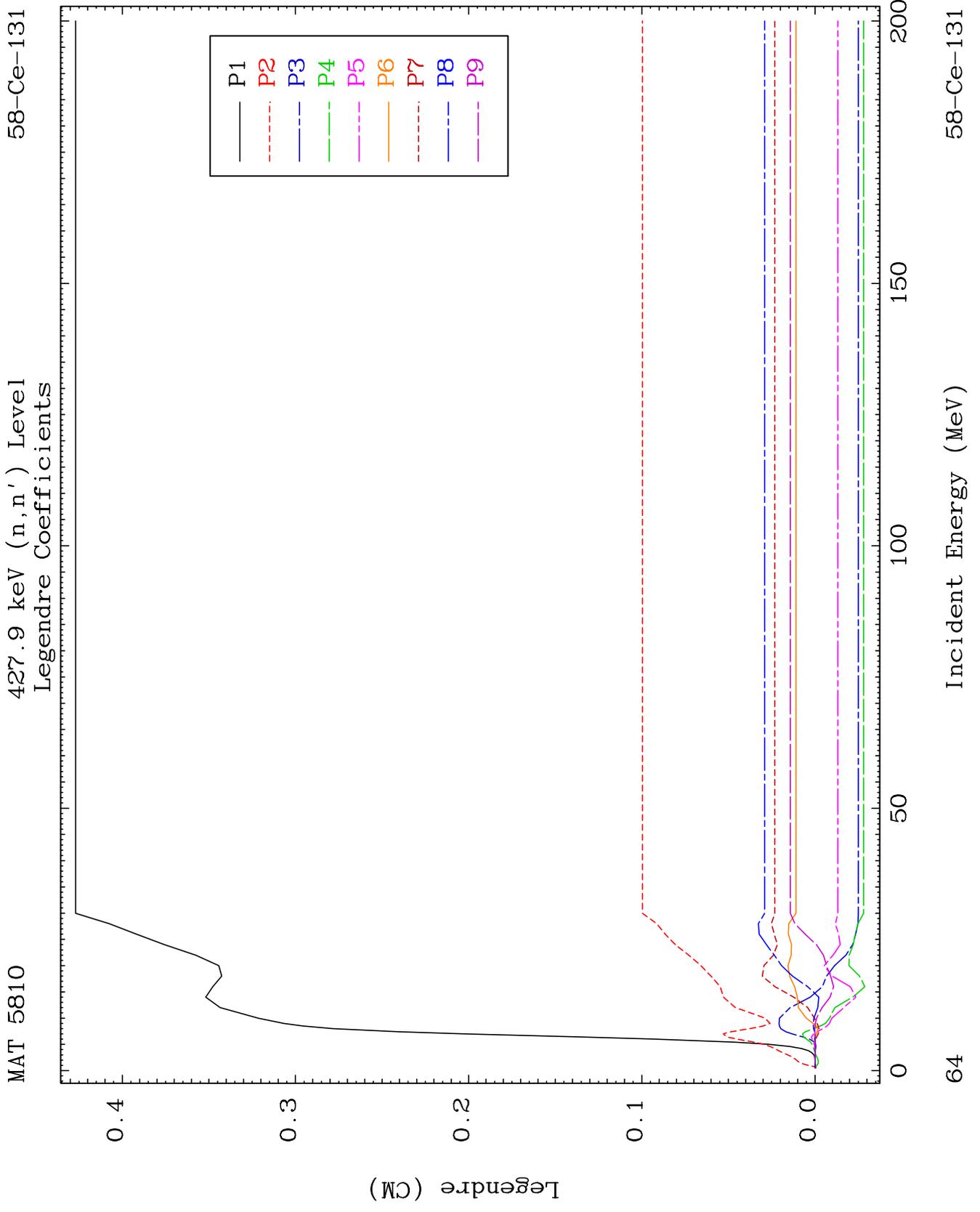


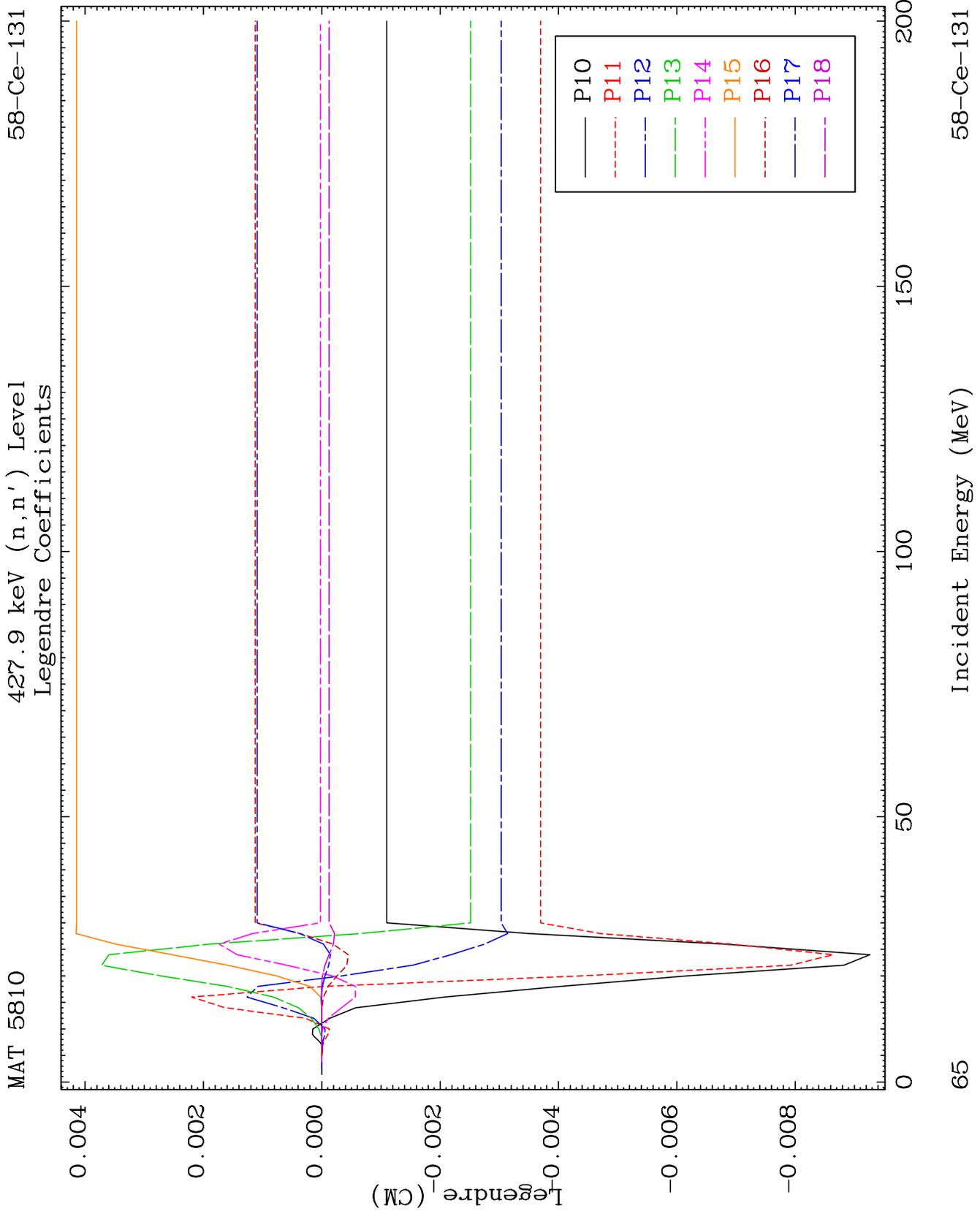


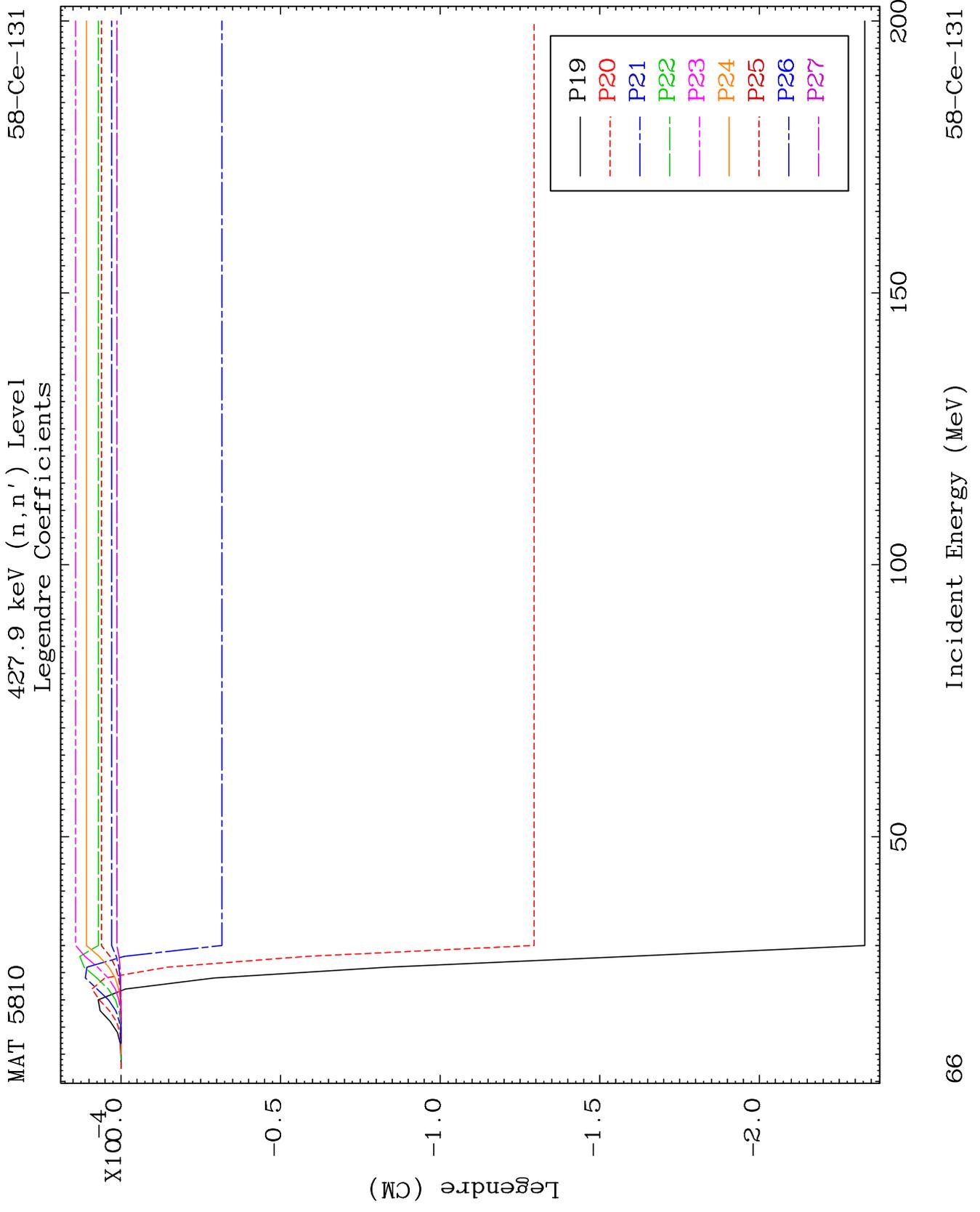








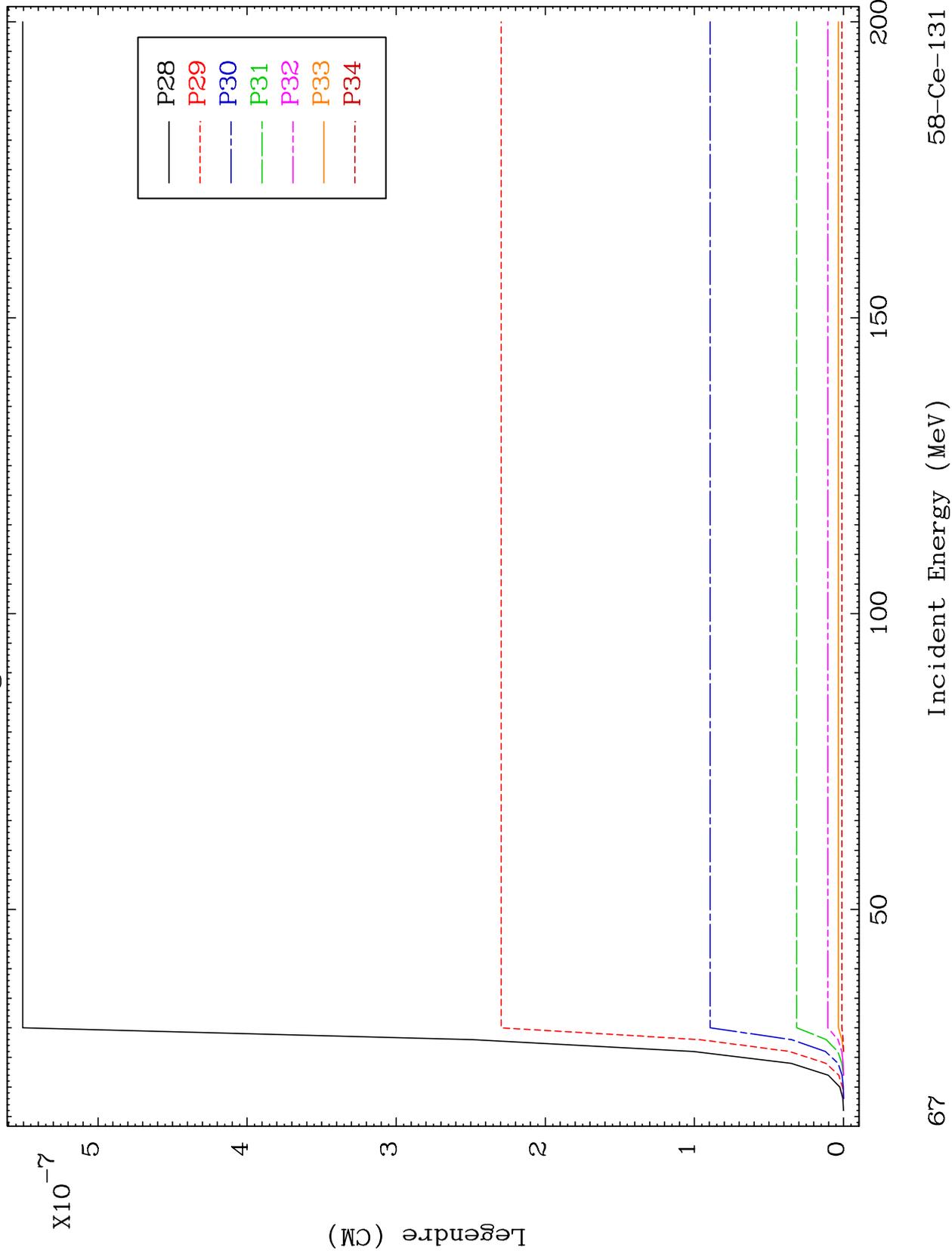


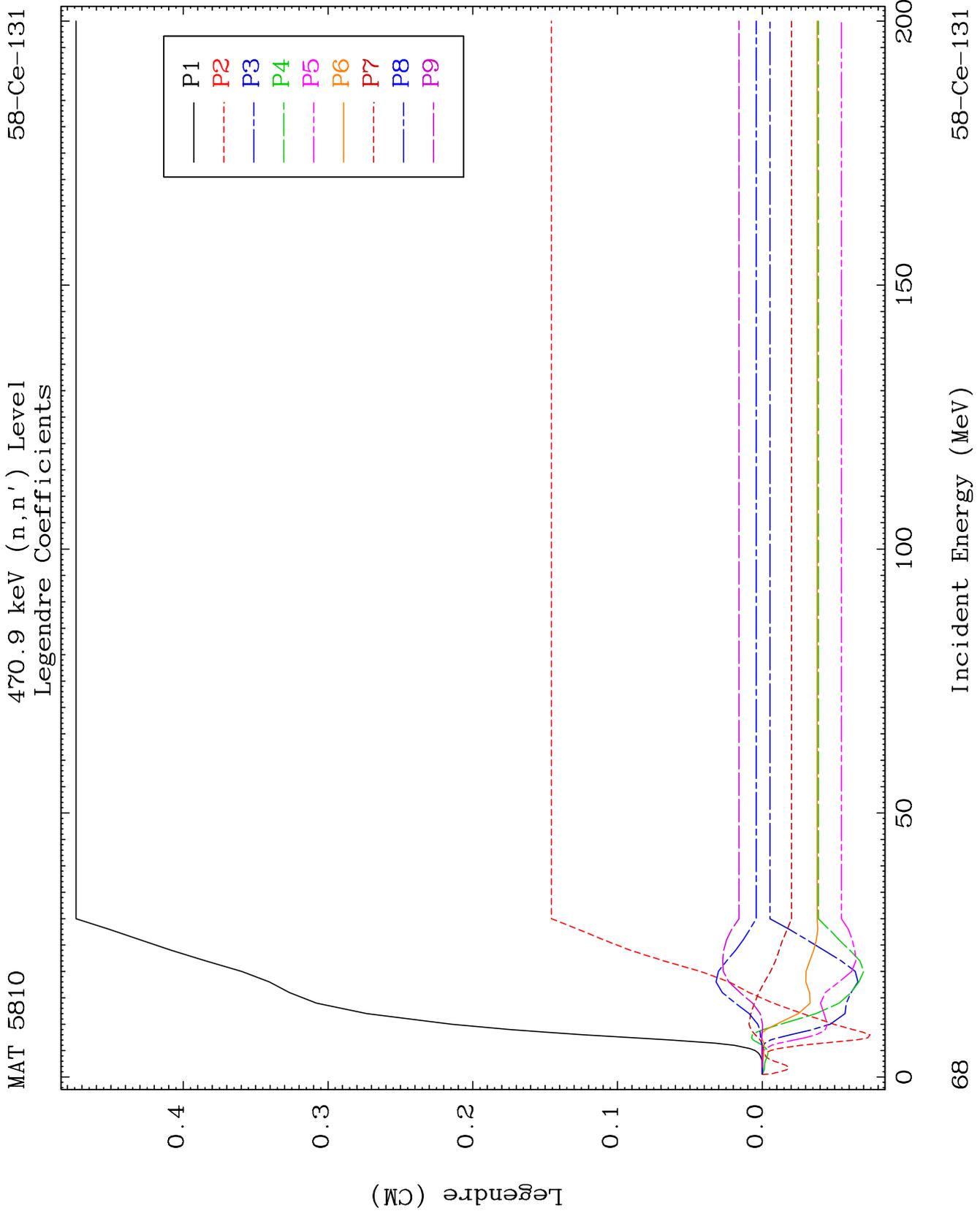


MAT 5810

427.9 keV (n,n') Level
Legendre Coefficients

58-Ce-131

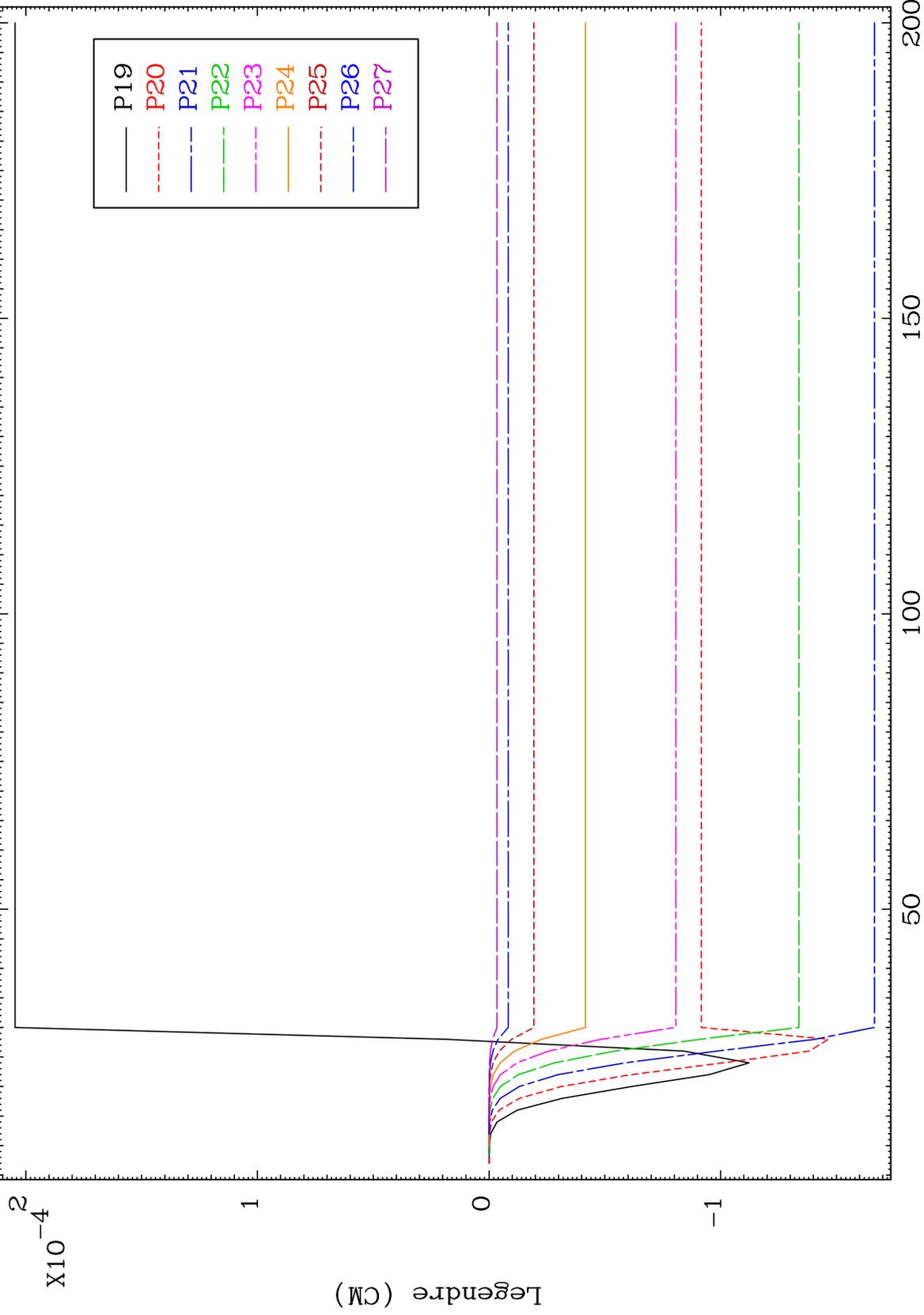




MAT 5810

470.9 keV (n,n') Level
Legendre Coefficients

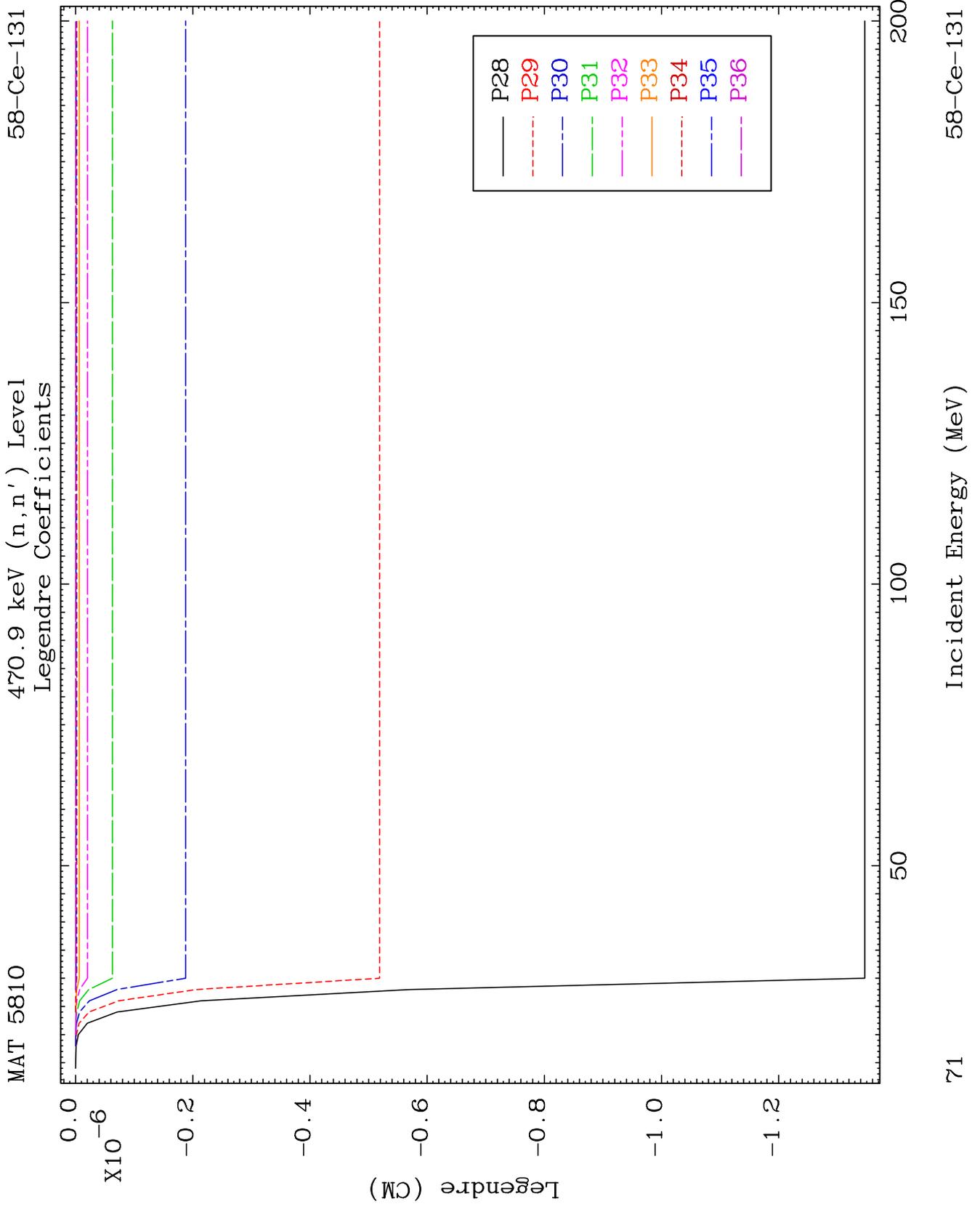
58-Ce-131

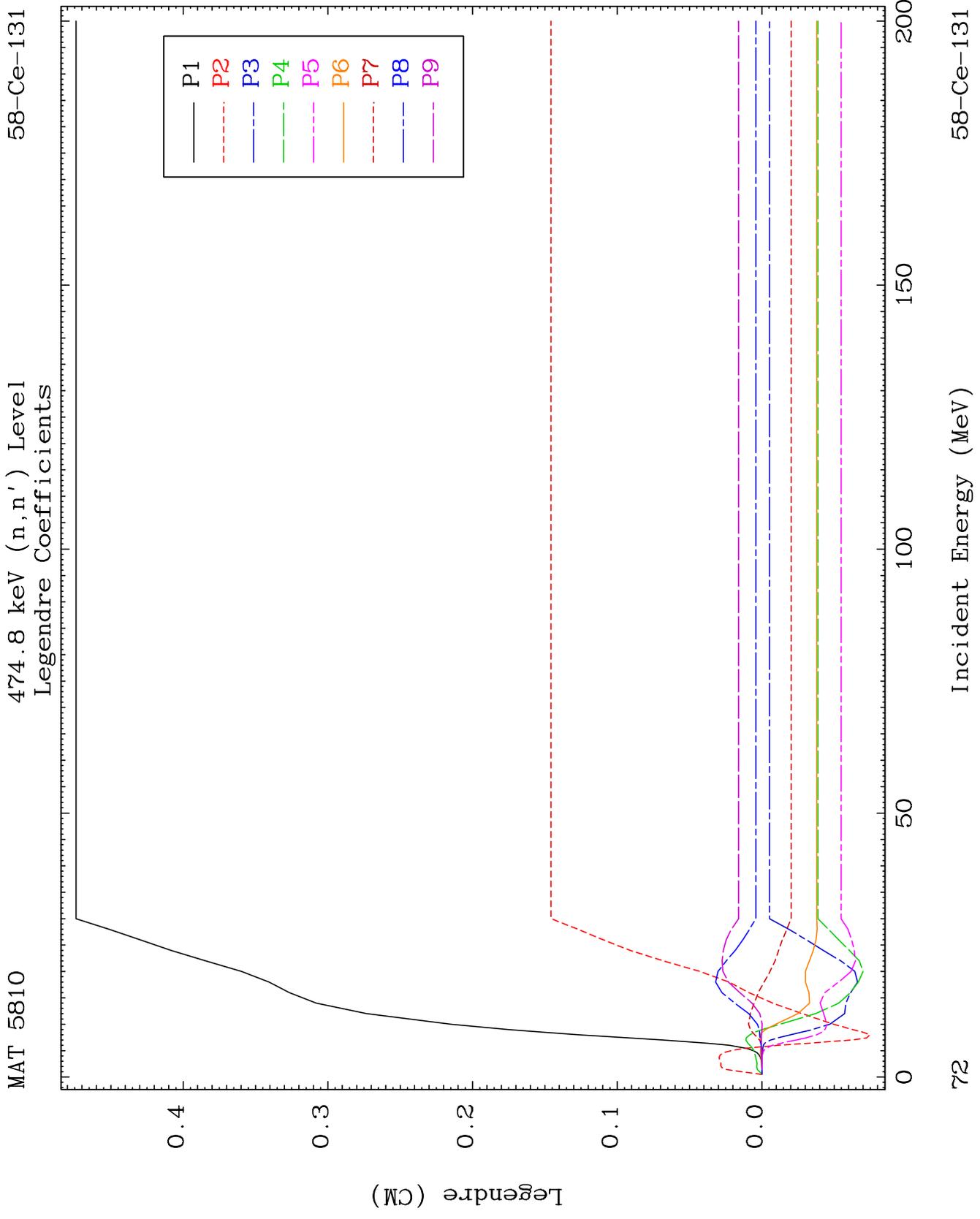


70

Incident Energy (MeV)

58-Ce-131

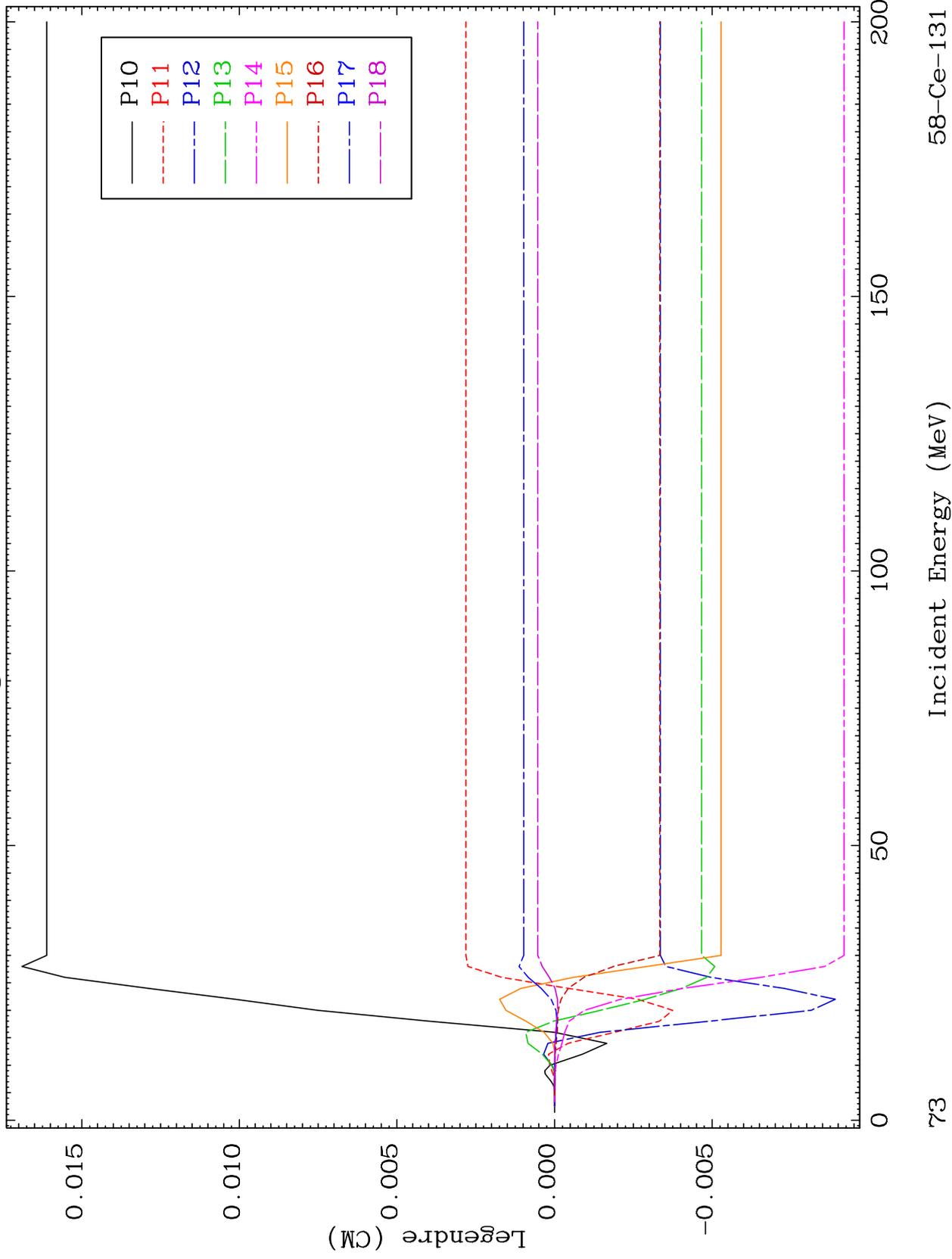




MAT 5810

474.8 keV (n,n') Level
Legendre Coefficients

58-Ce-131



58-Ce-131

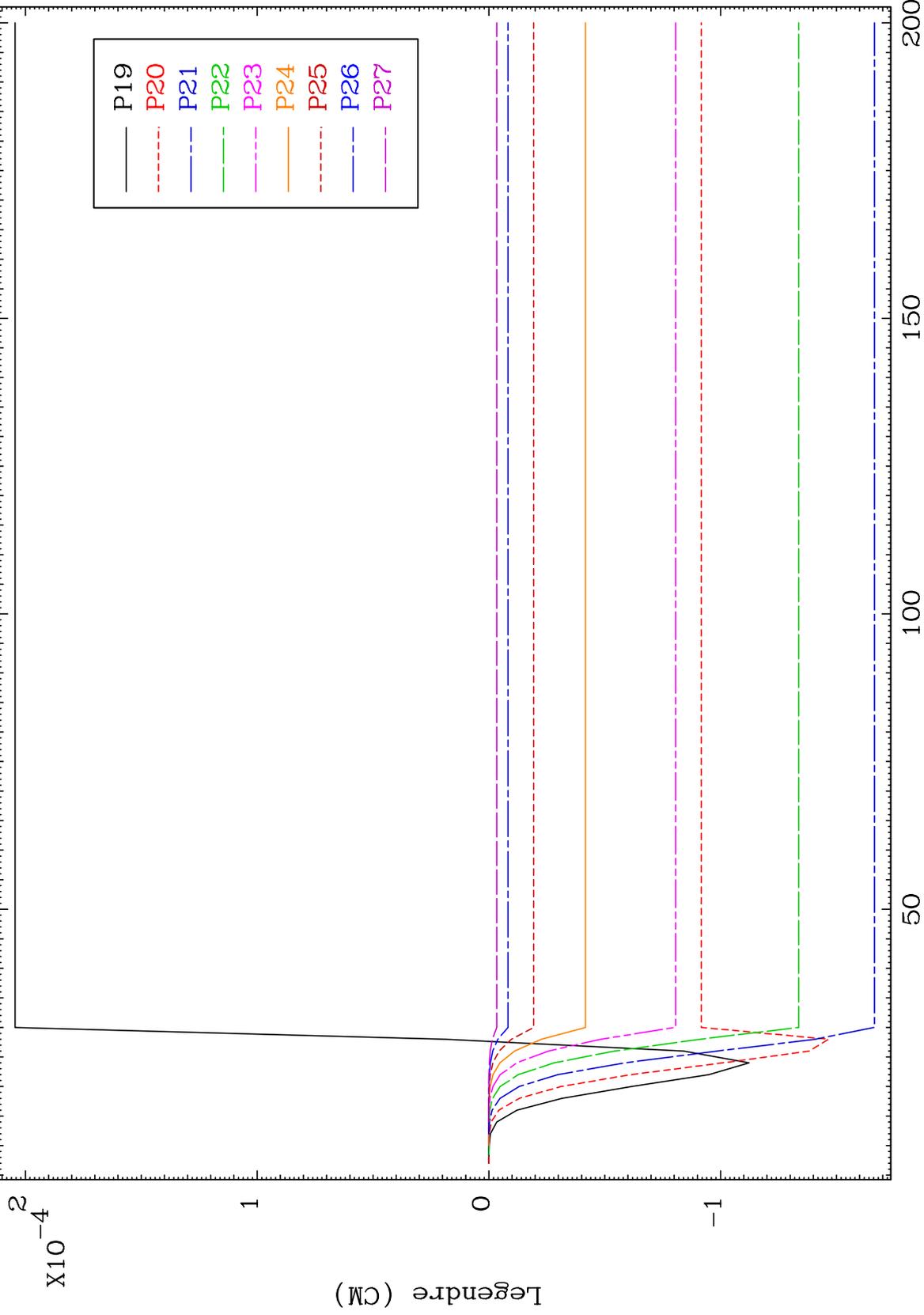
Incident Energy (MeV)

73

MAT 5810

474.8 keV (n,n') Level
Legendre Coefficients

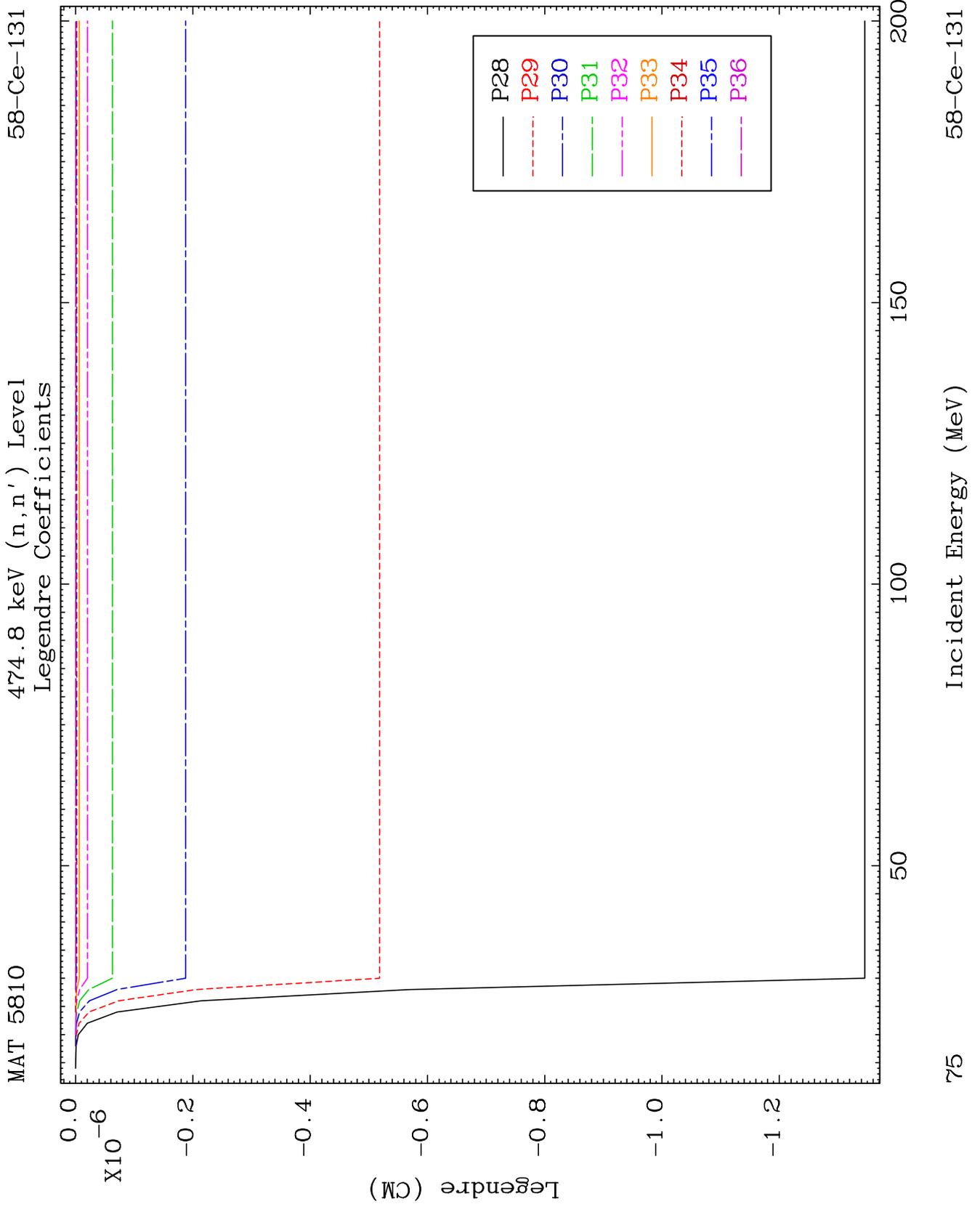
58-Ce-131

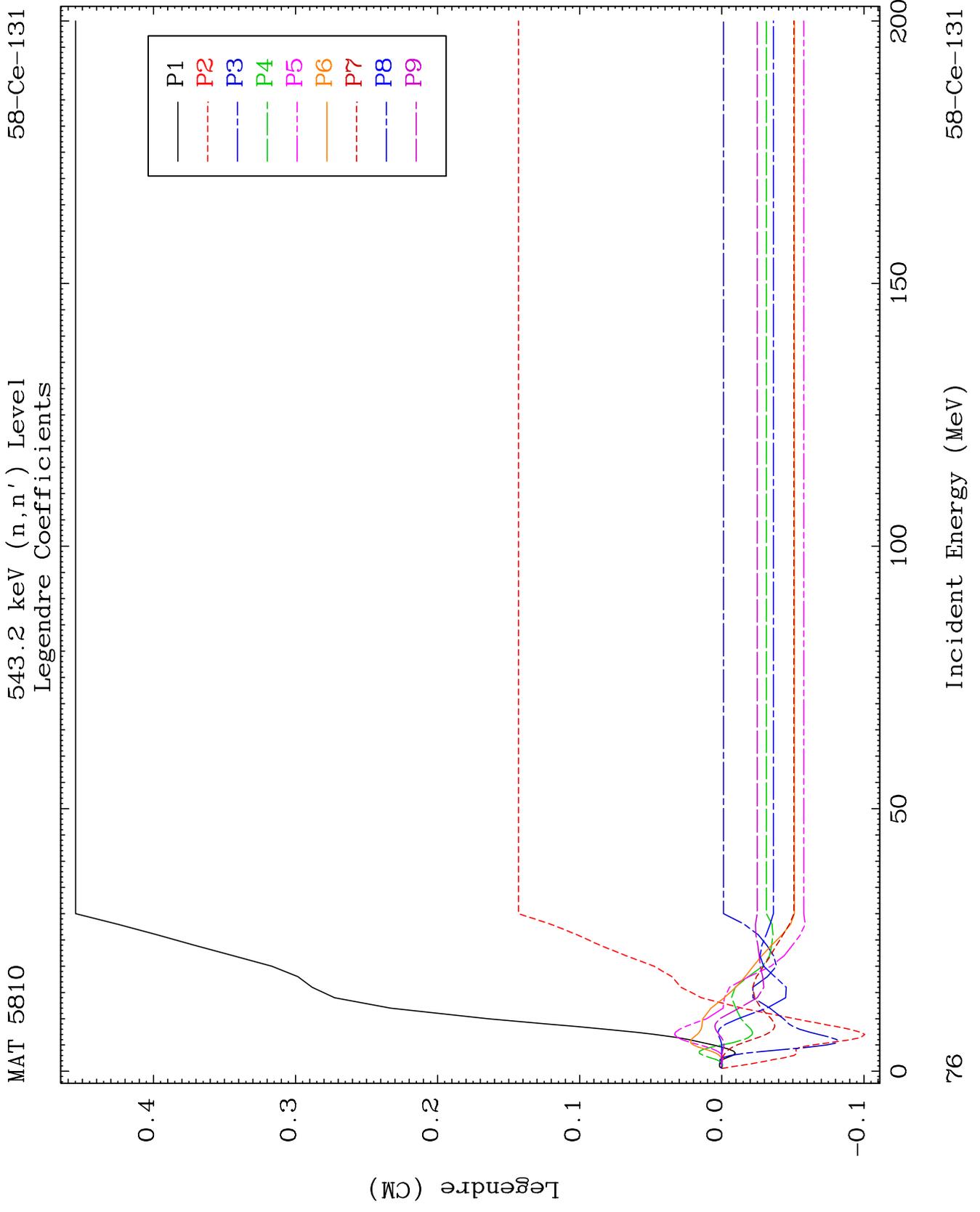


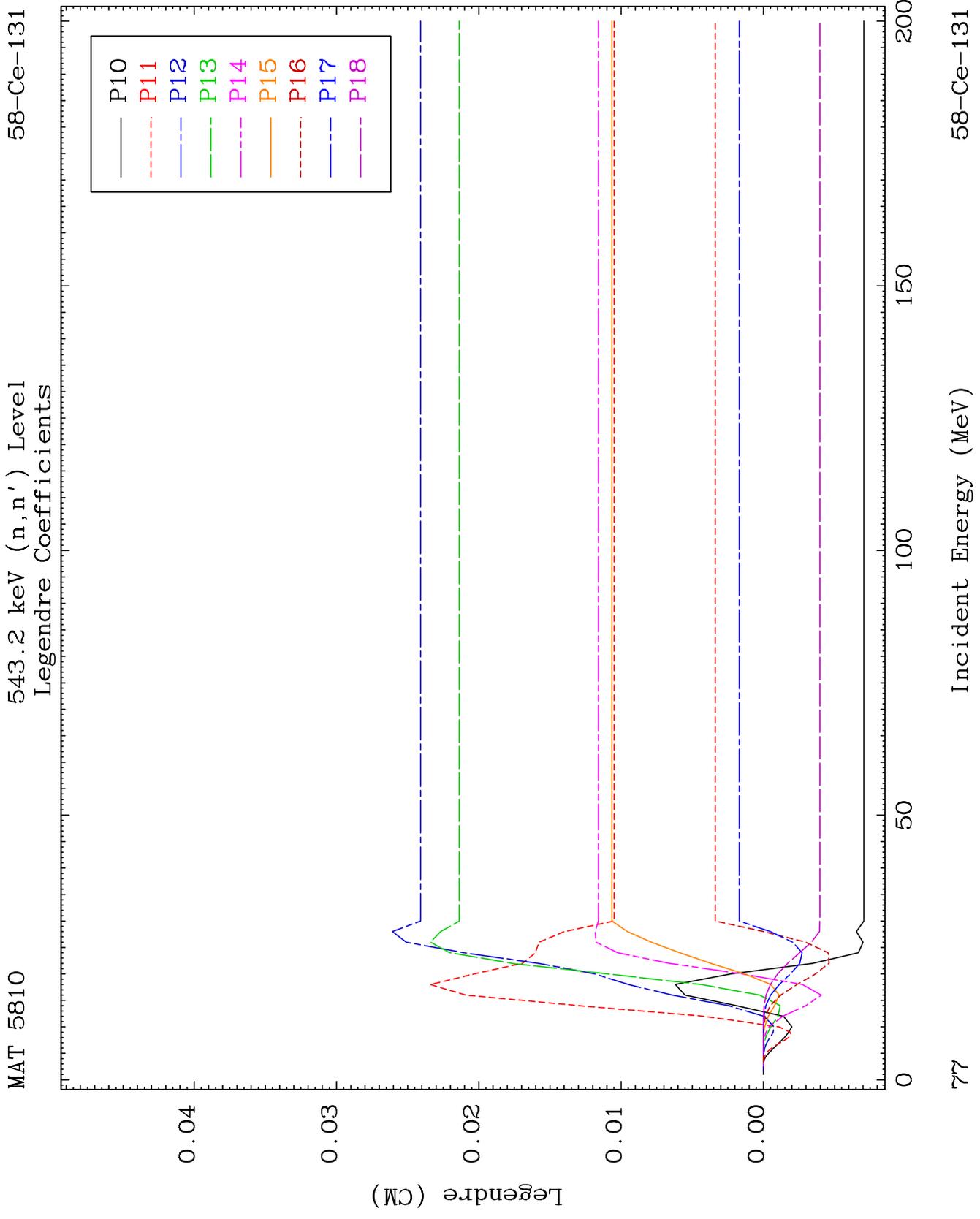
74

Incident Energy (MeV)

58-Ce-131



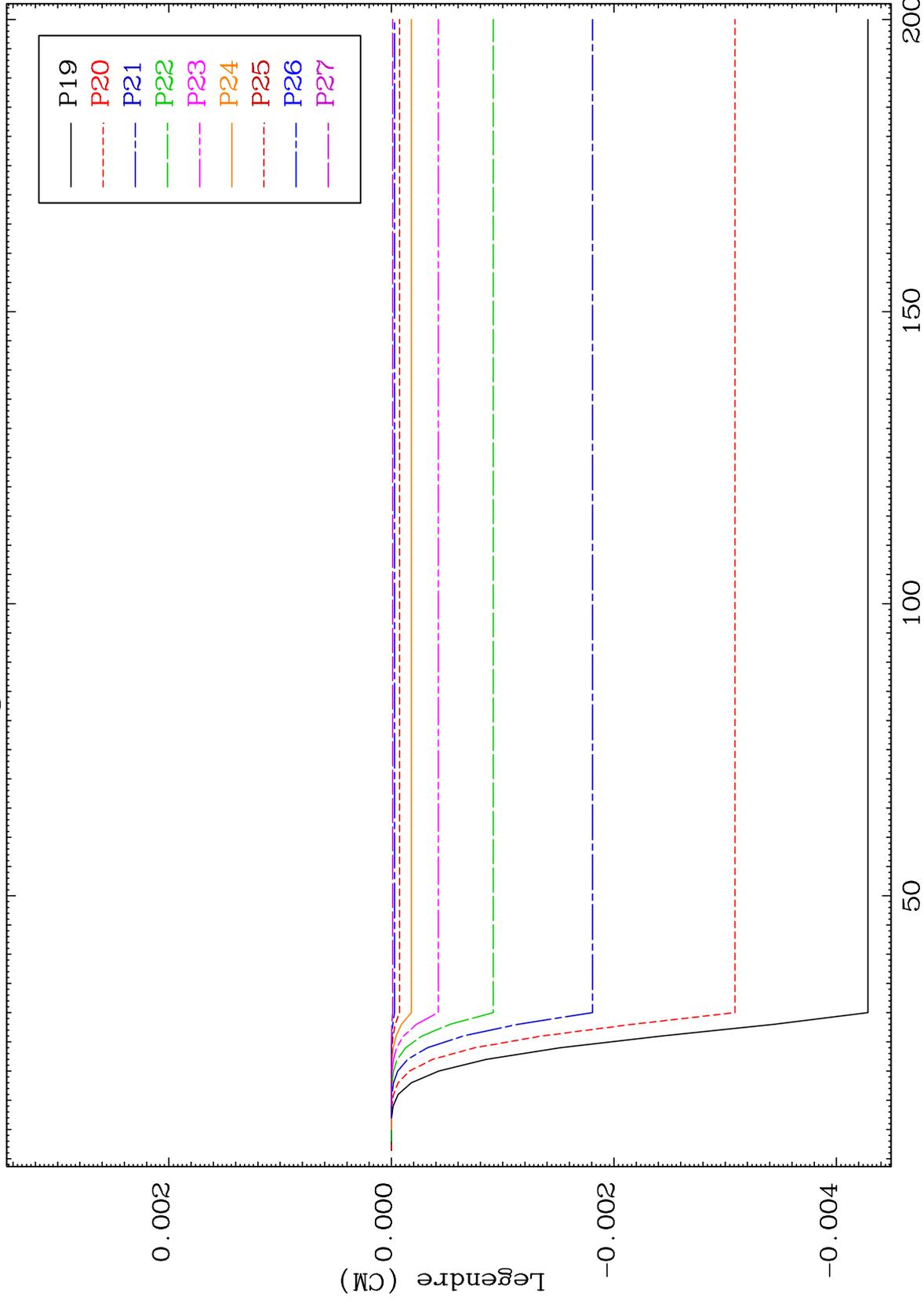




MAT 5810

543.2 keV (n,n') Level
Legendre Coefficients

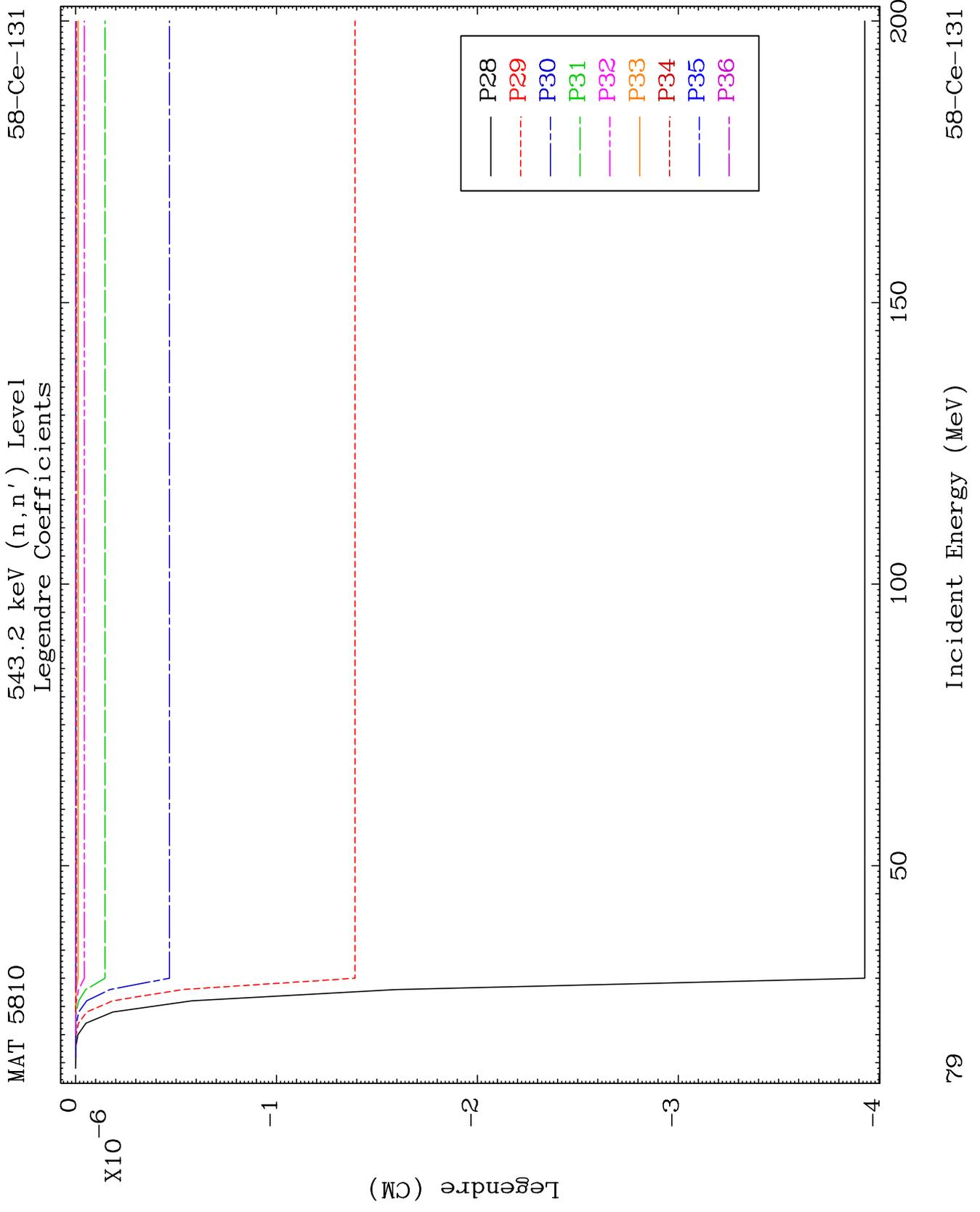
58-Ce-131

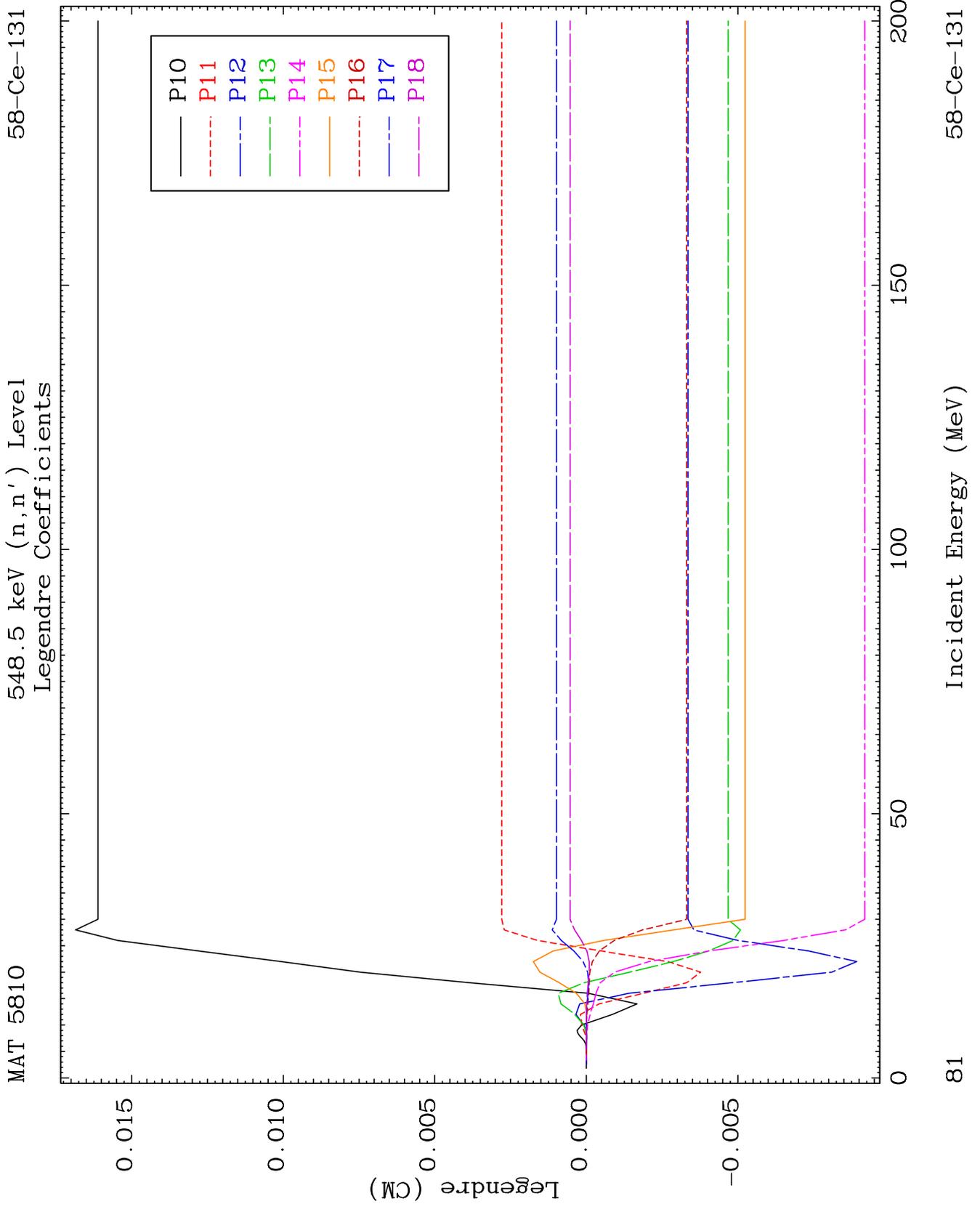


78

Incident Energy (MeV)

58-Ce-131

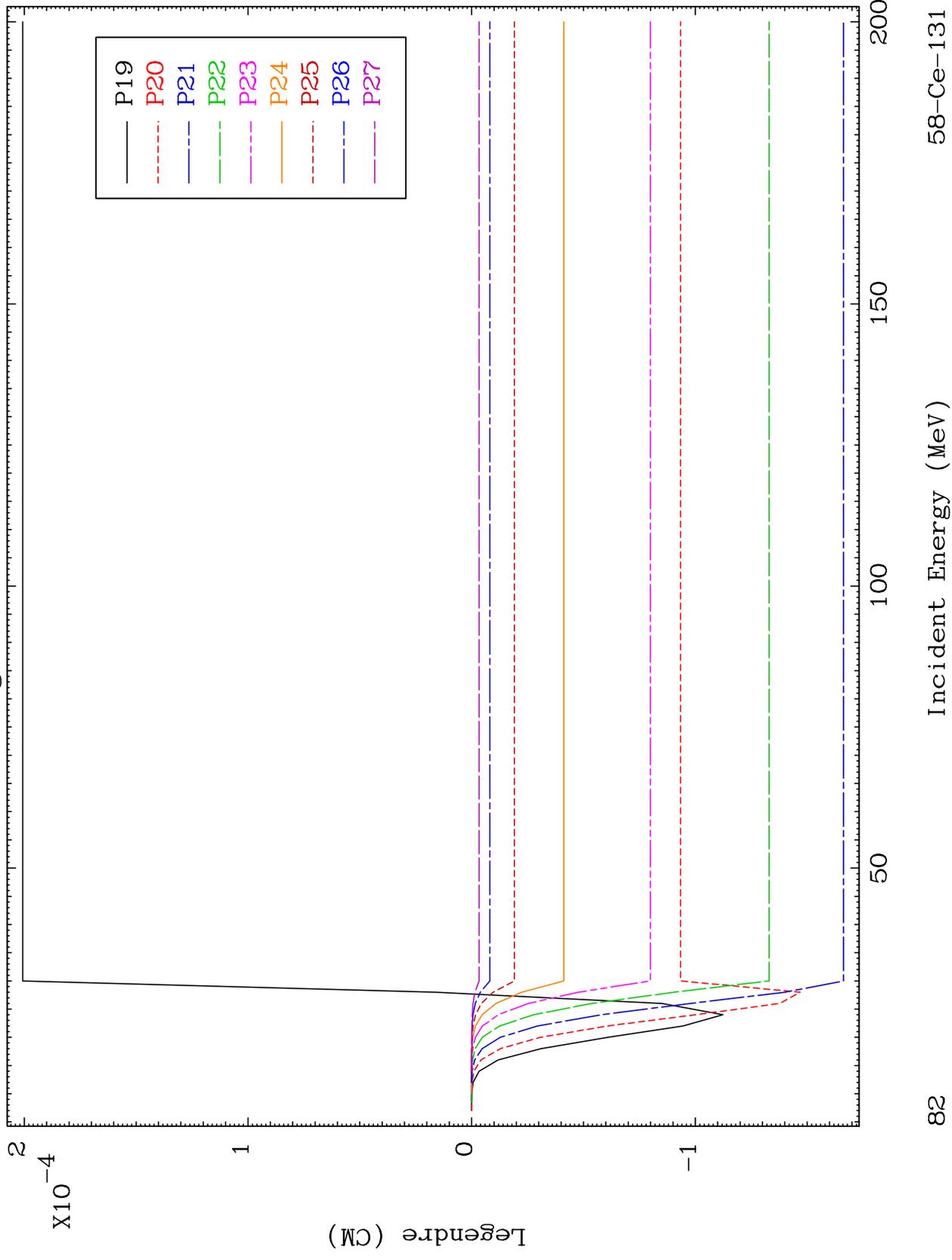




MAT 5810

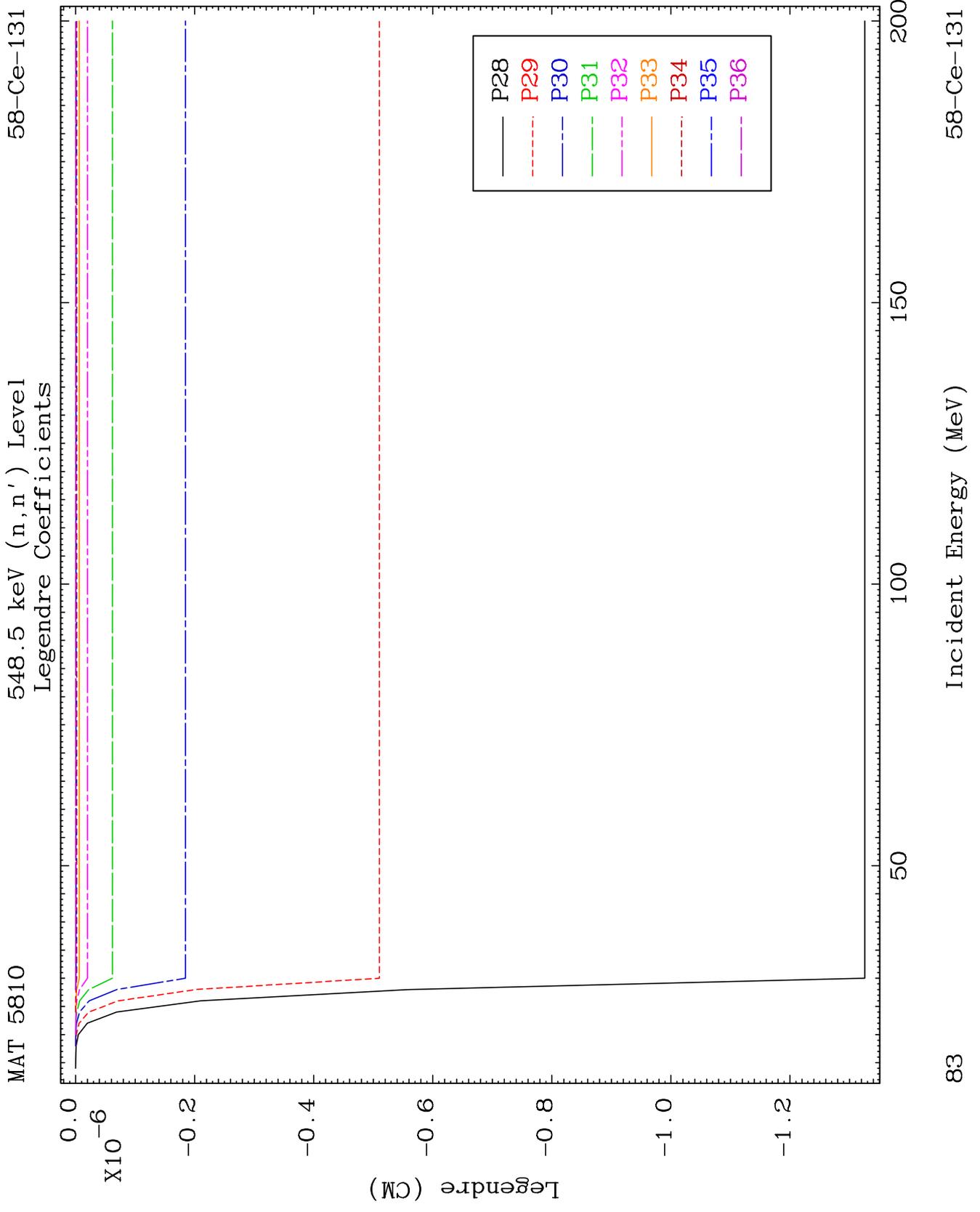
548.5 keV (n,n') Level
Legendre Coefficients

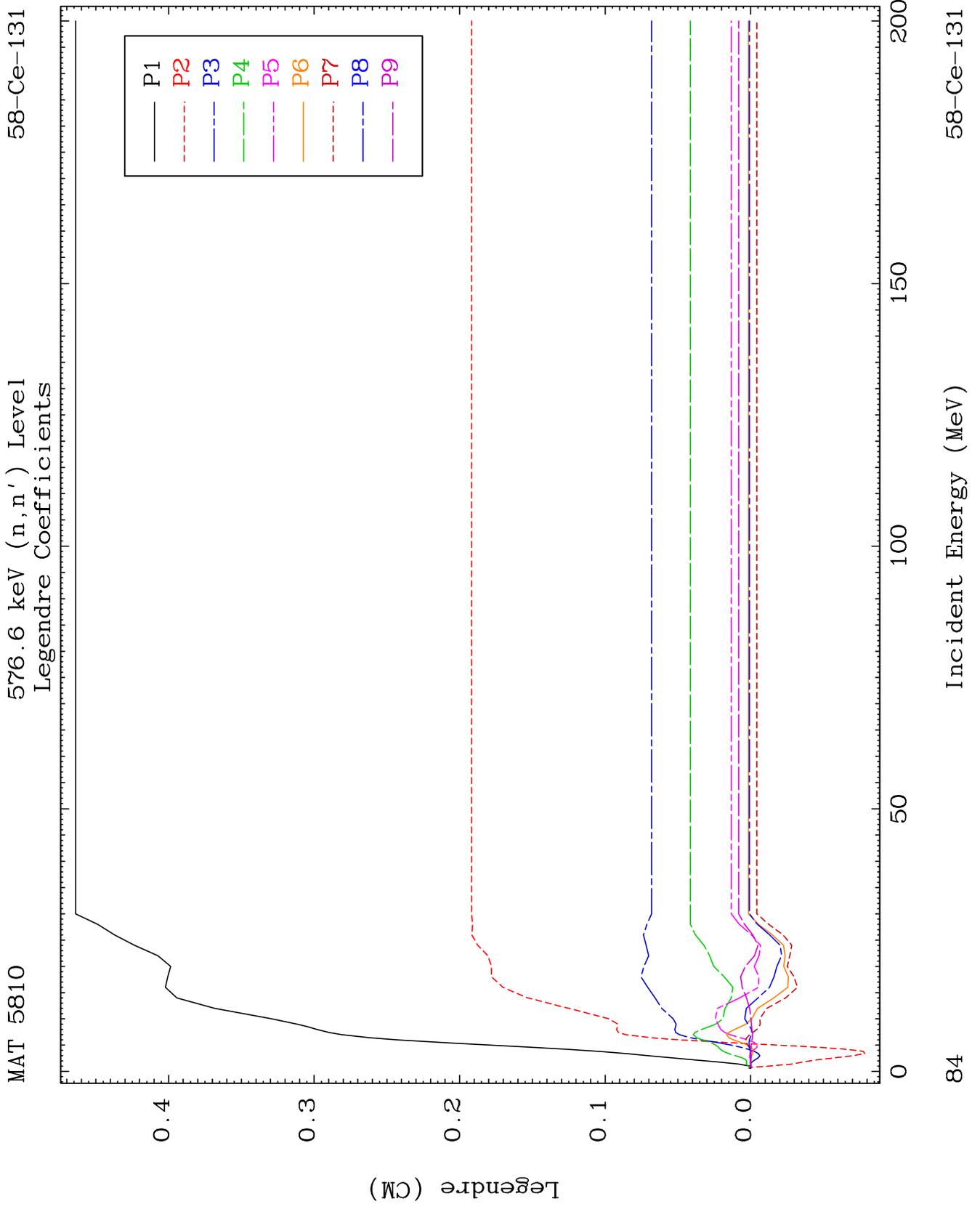
58-Ce-131

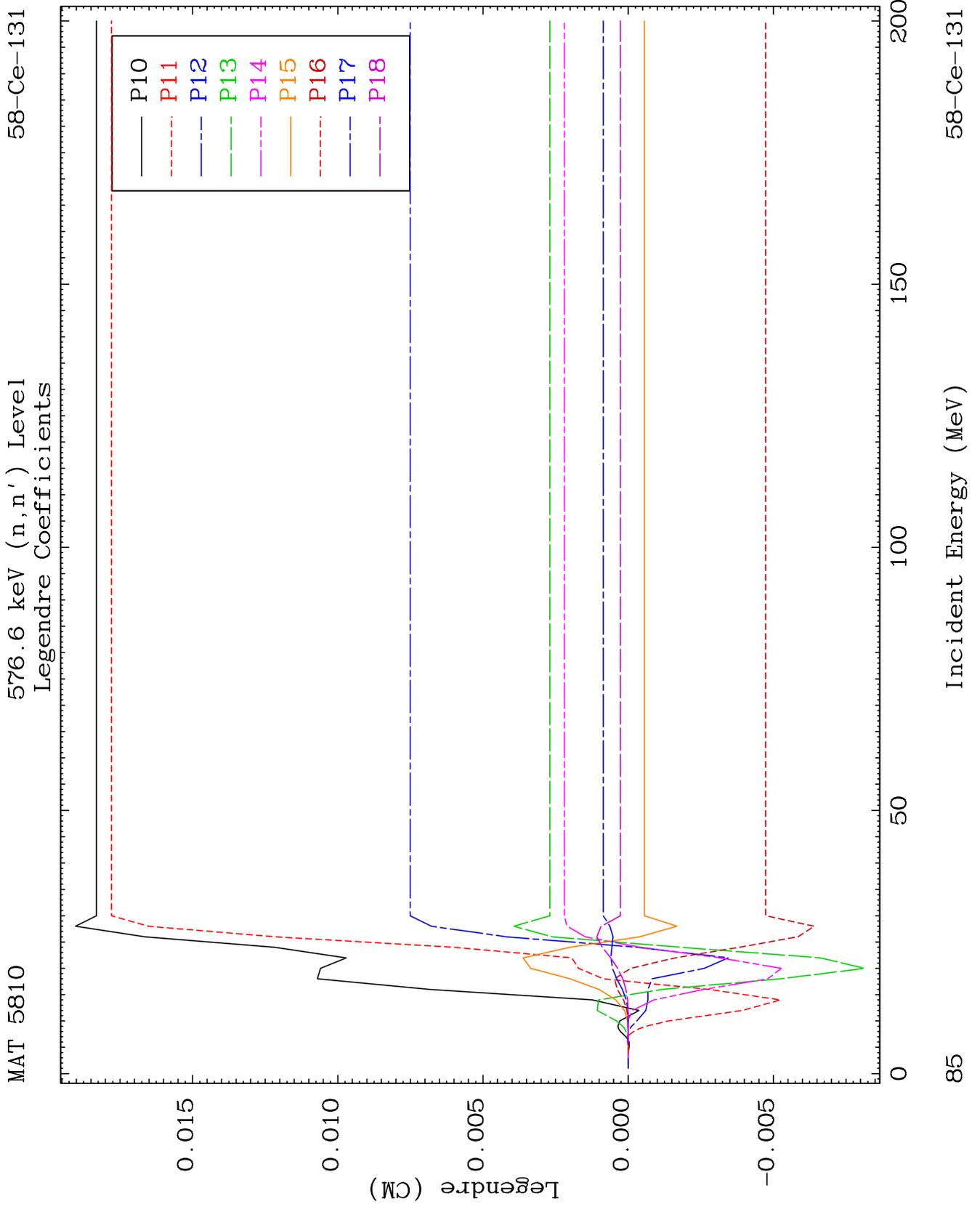


82

58-Ce-131



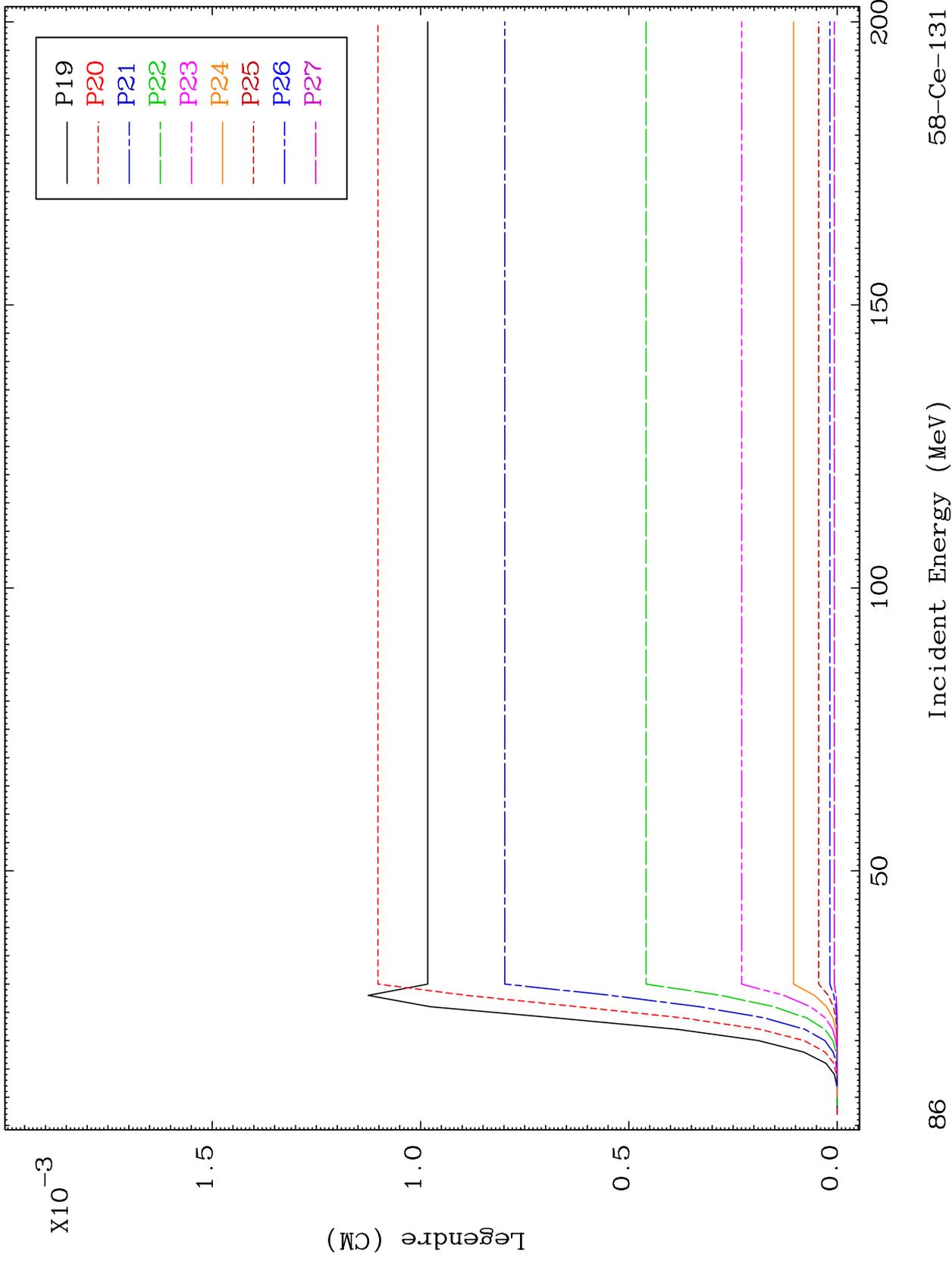




MAT 5810

576.6 keV (n,n') Level
Legendre Coefficients

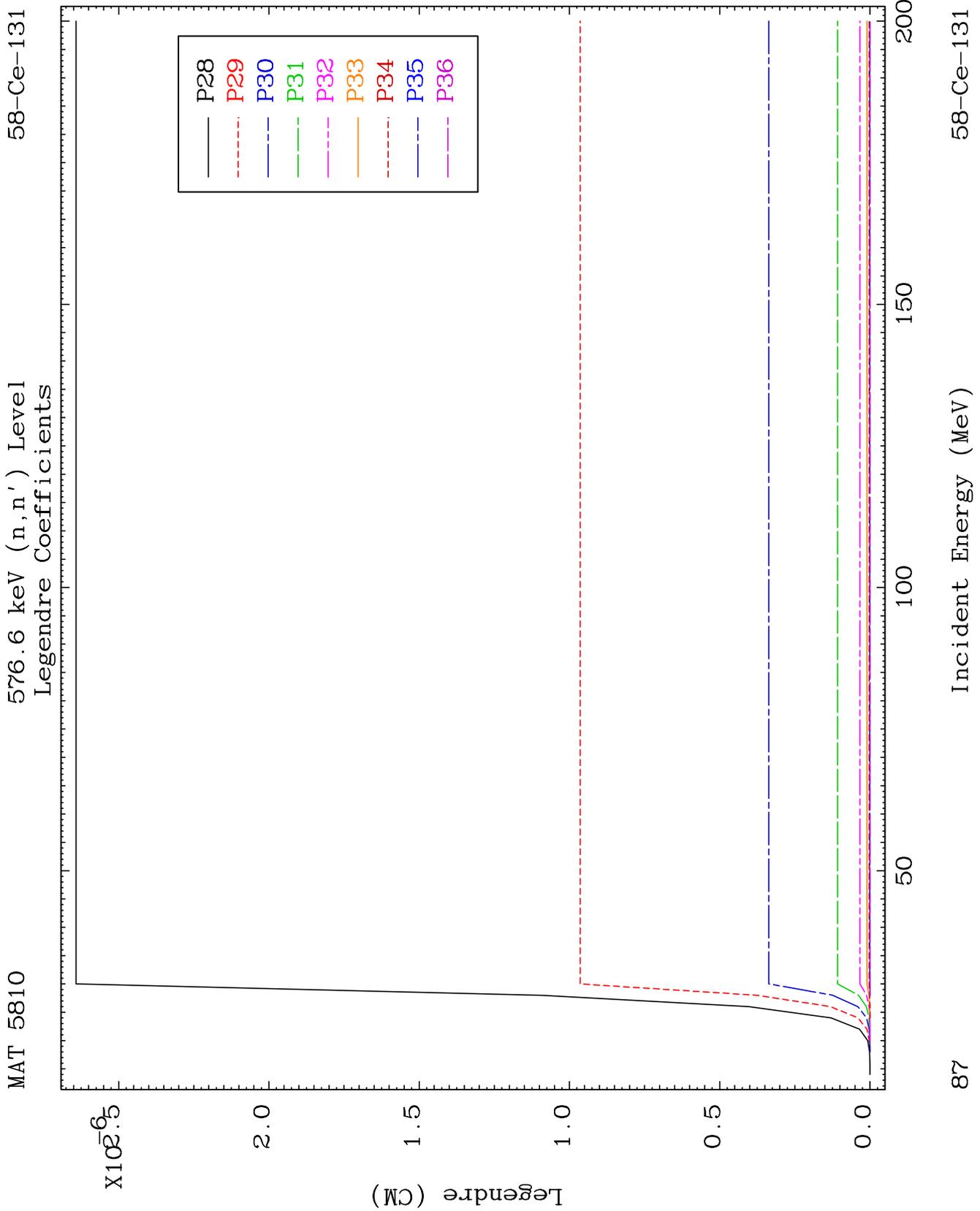
58-Ce-131



86

Incident Energy (MeV)

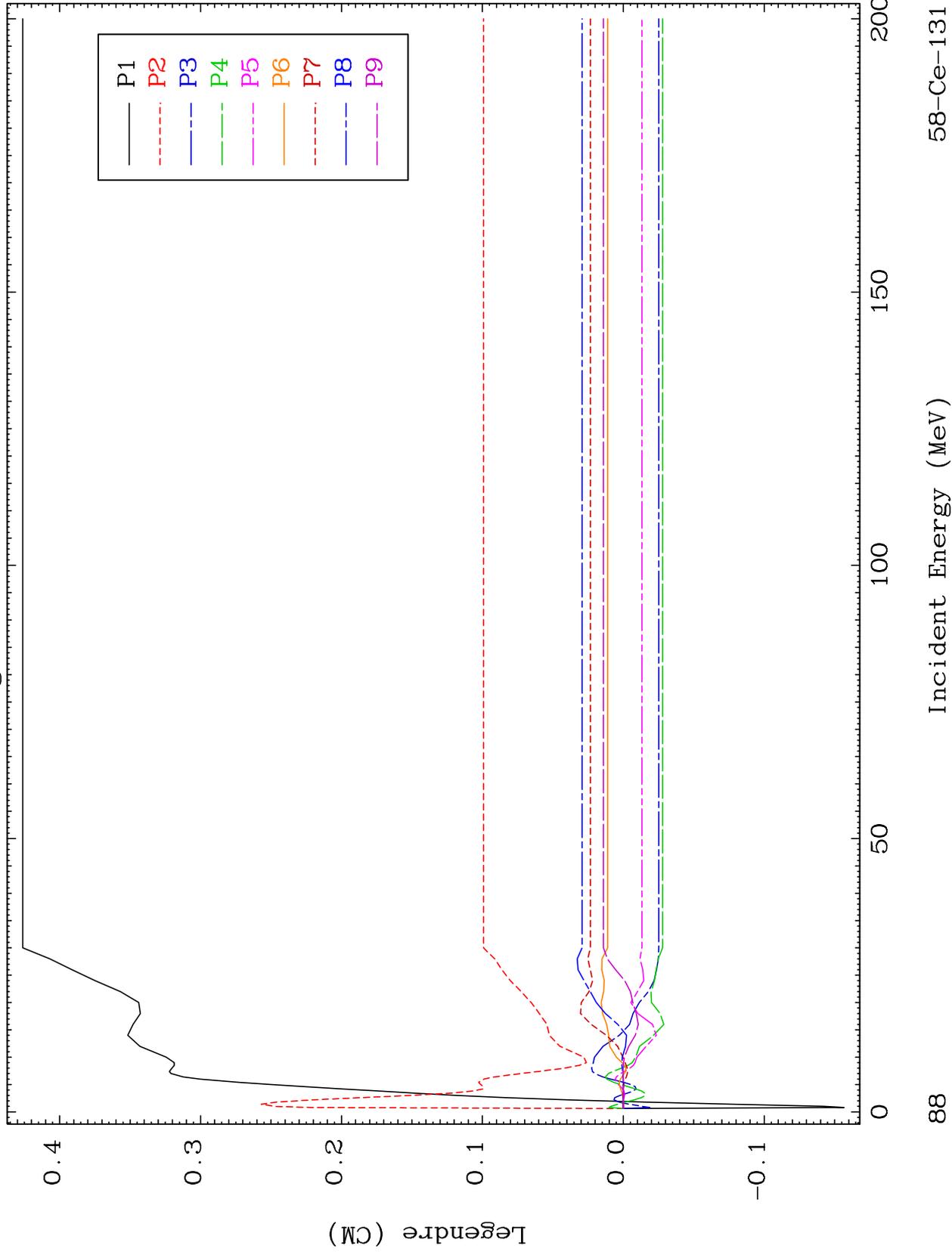
58-Ce-131



MAT 5810

588.6 keV (n,n') Level
Legendre Coefficients

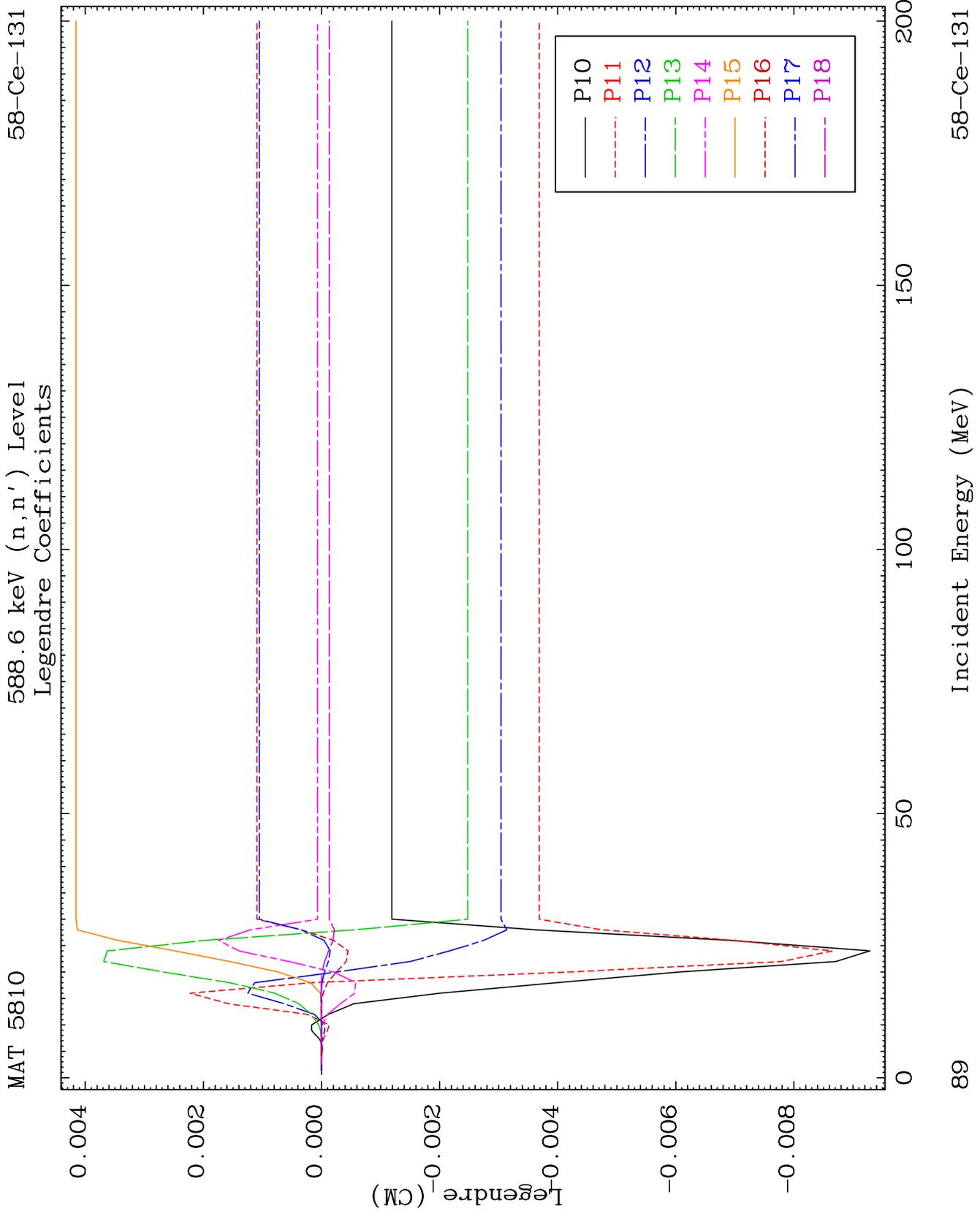
58-Ce-131

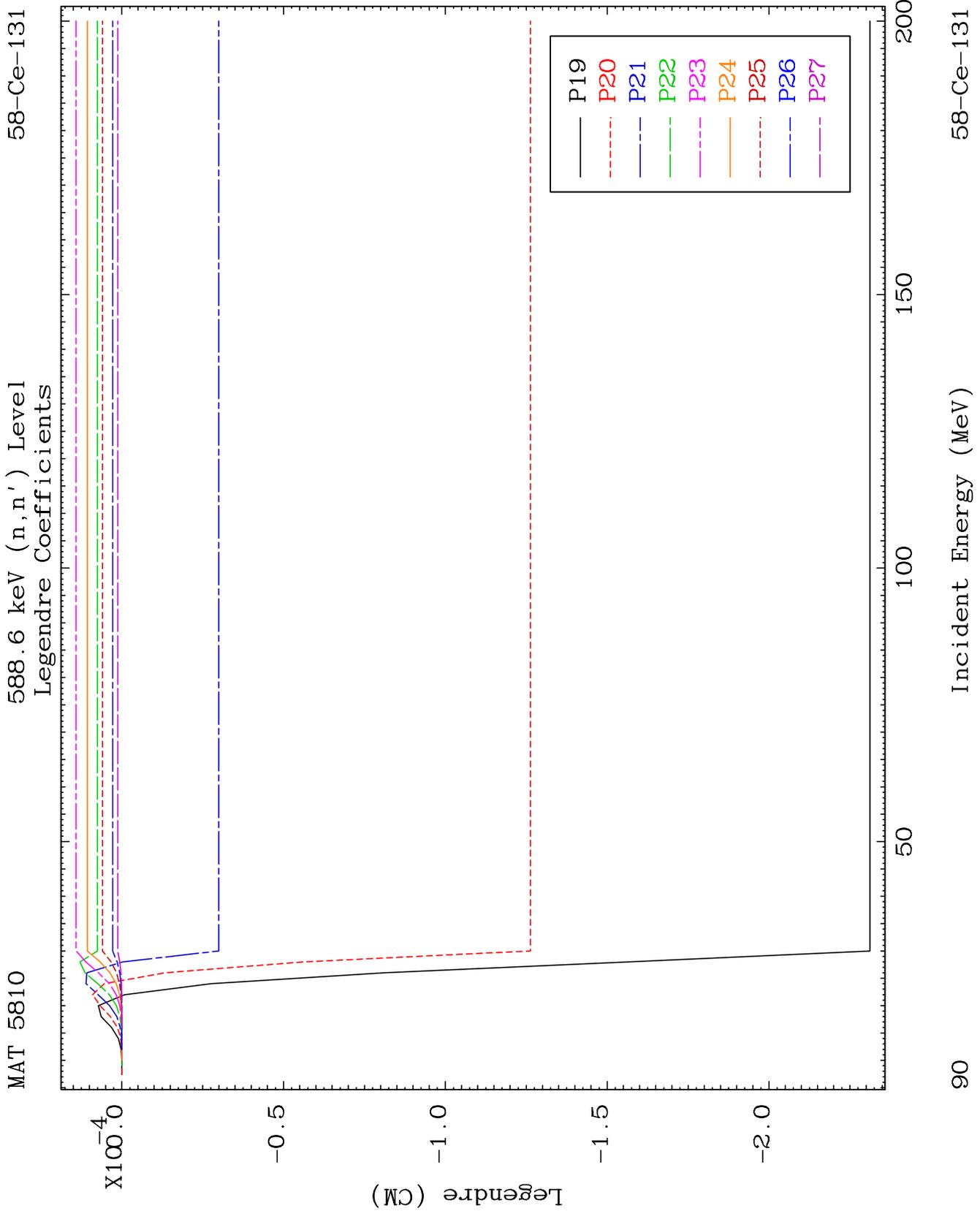


88

Incident Energy (MeV)

58-Ce-131

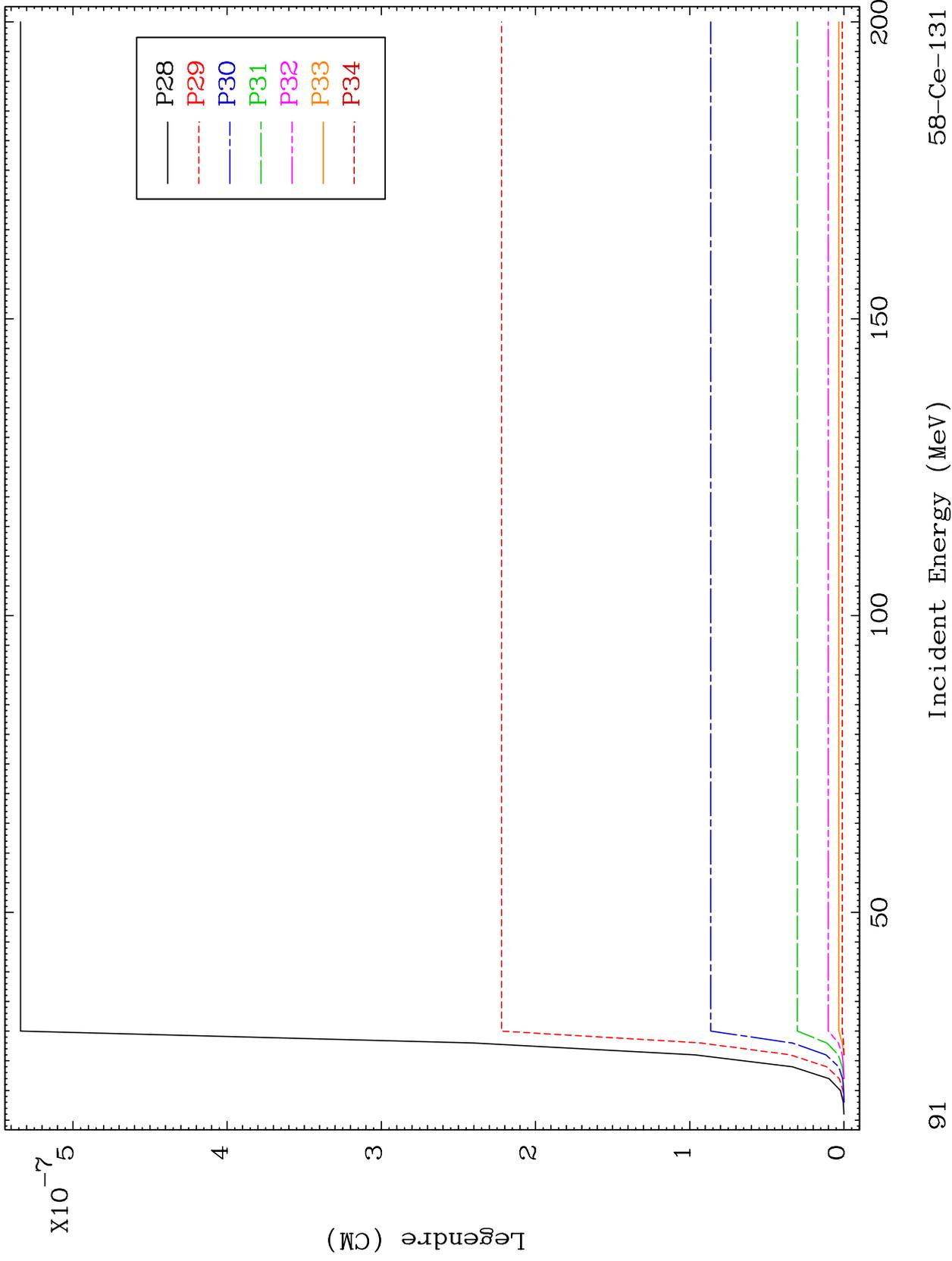




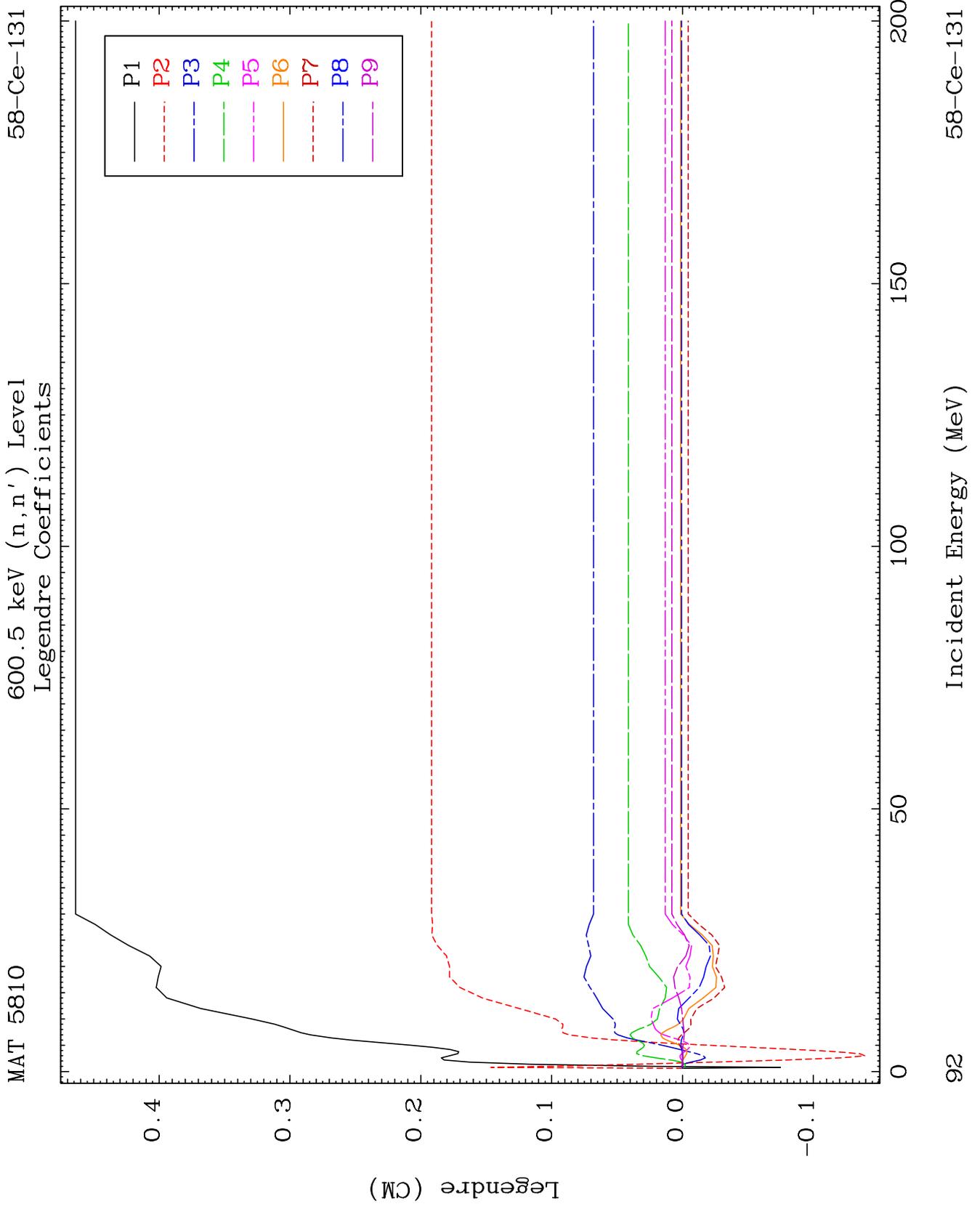
MAT 5810

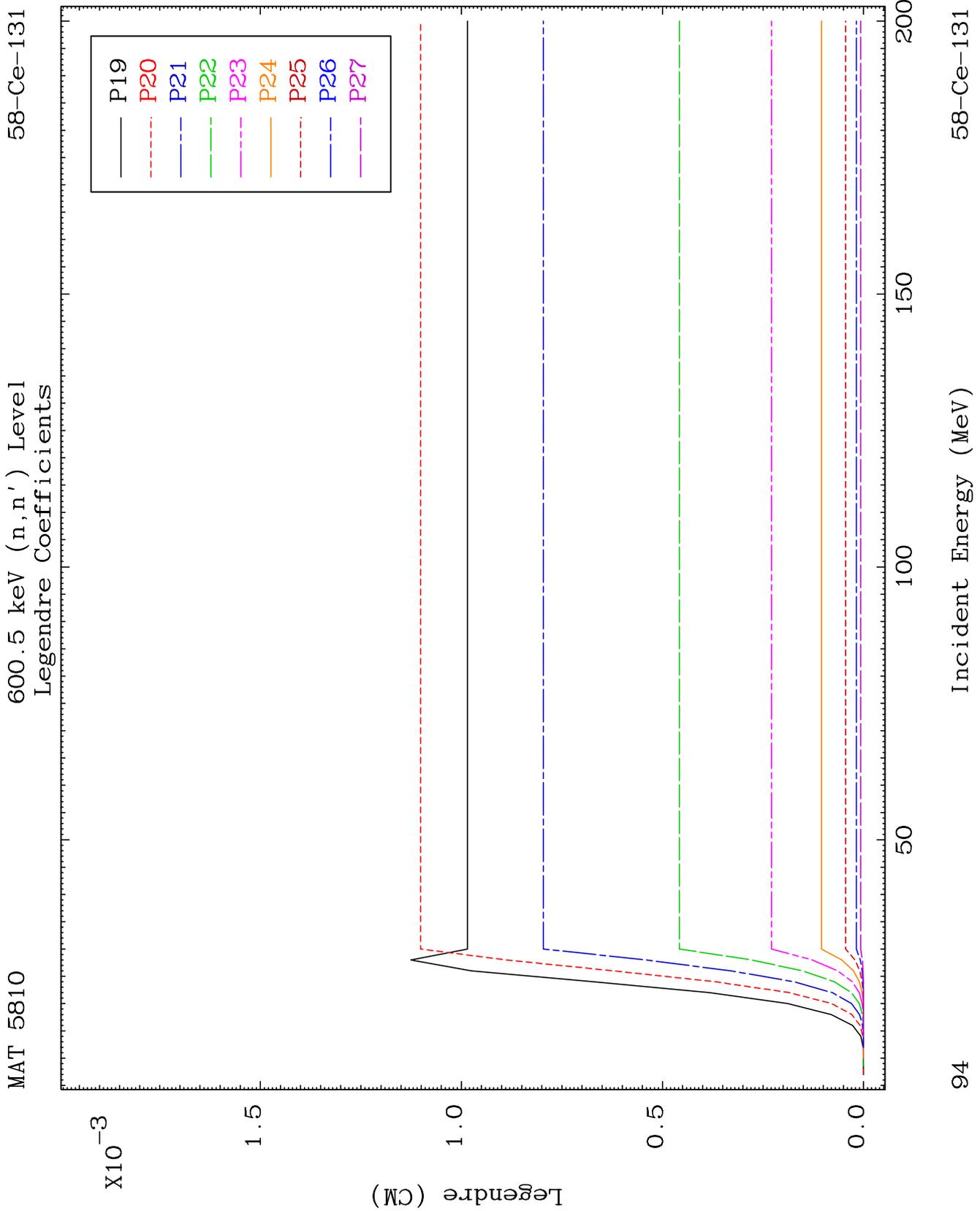
588.6 keV (n,n') Level
Legendre Coefficients

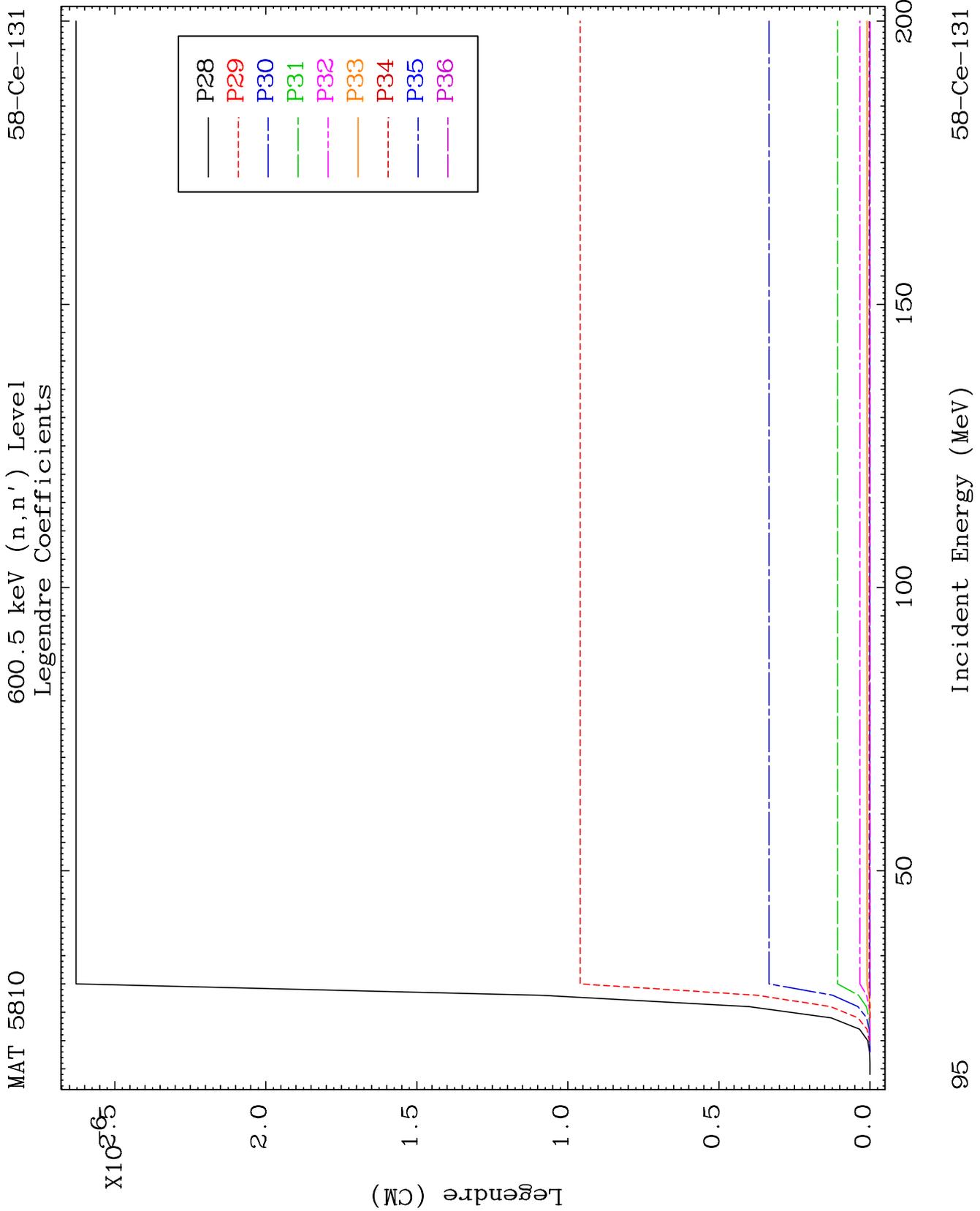
58-Ce-131



91



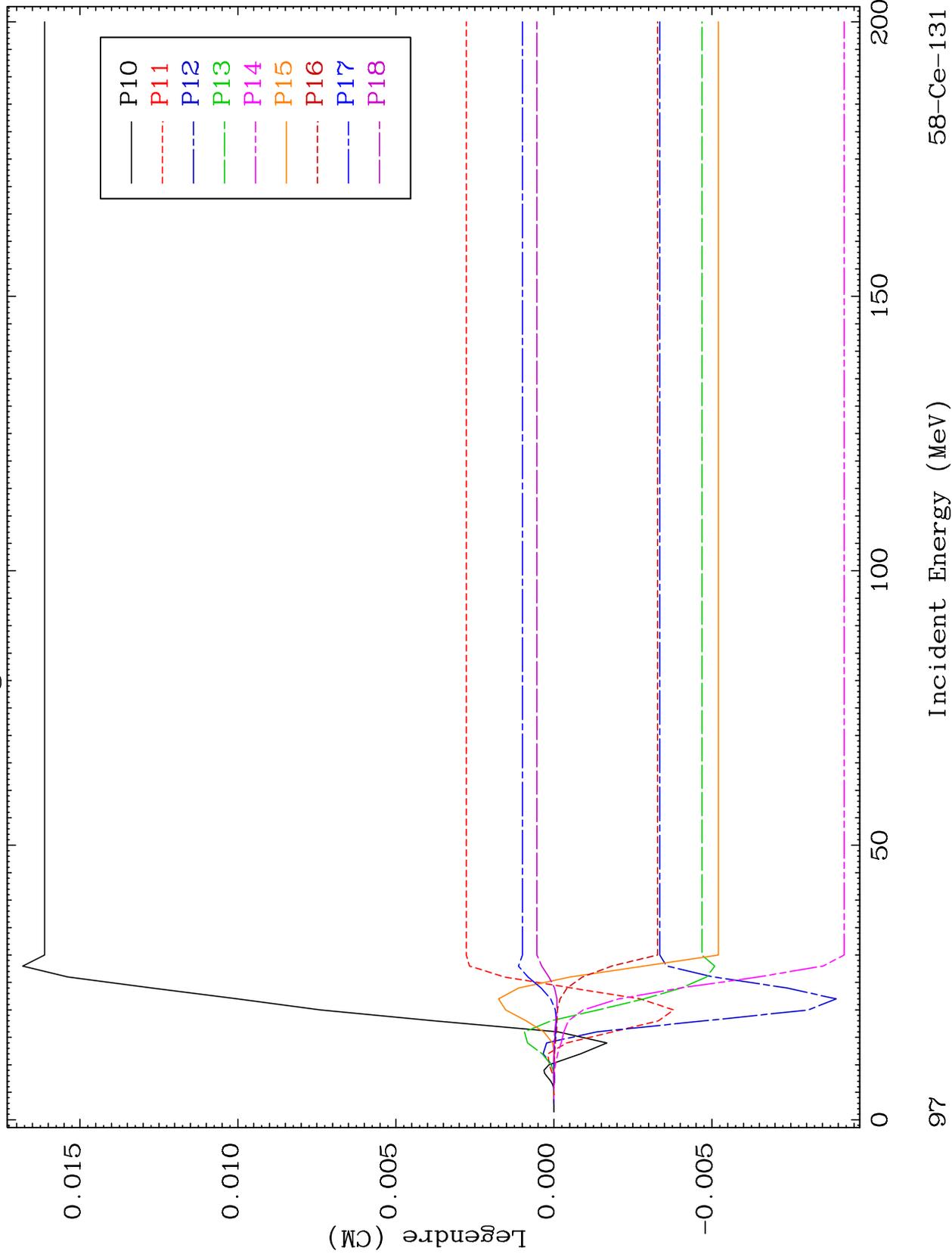




MAT 5810

609.6 keV (n,n') Level
Legendre Coefficients

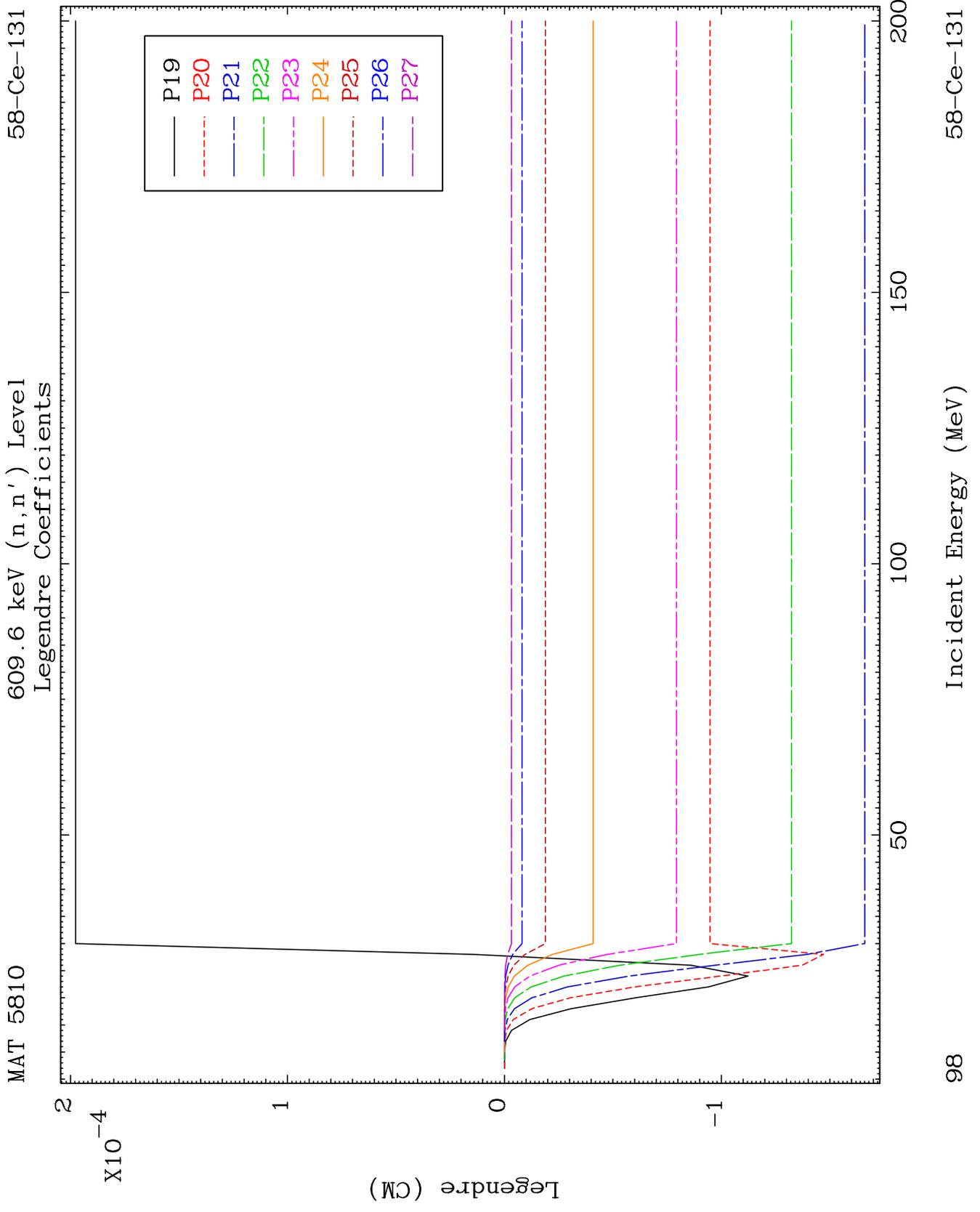
58-Ce-131

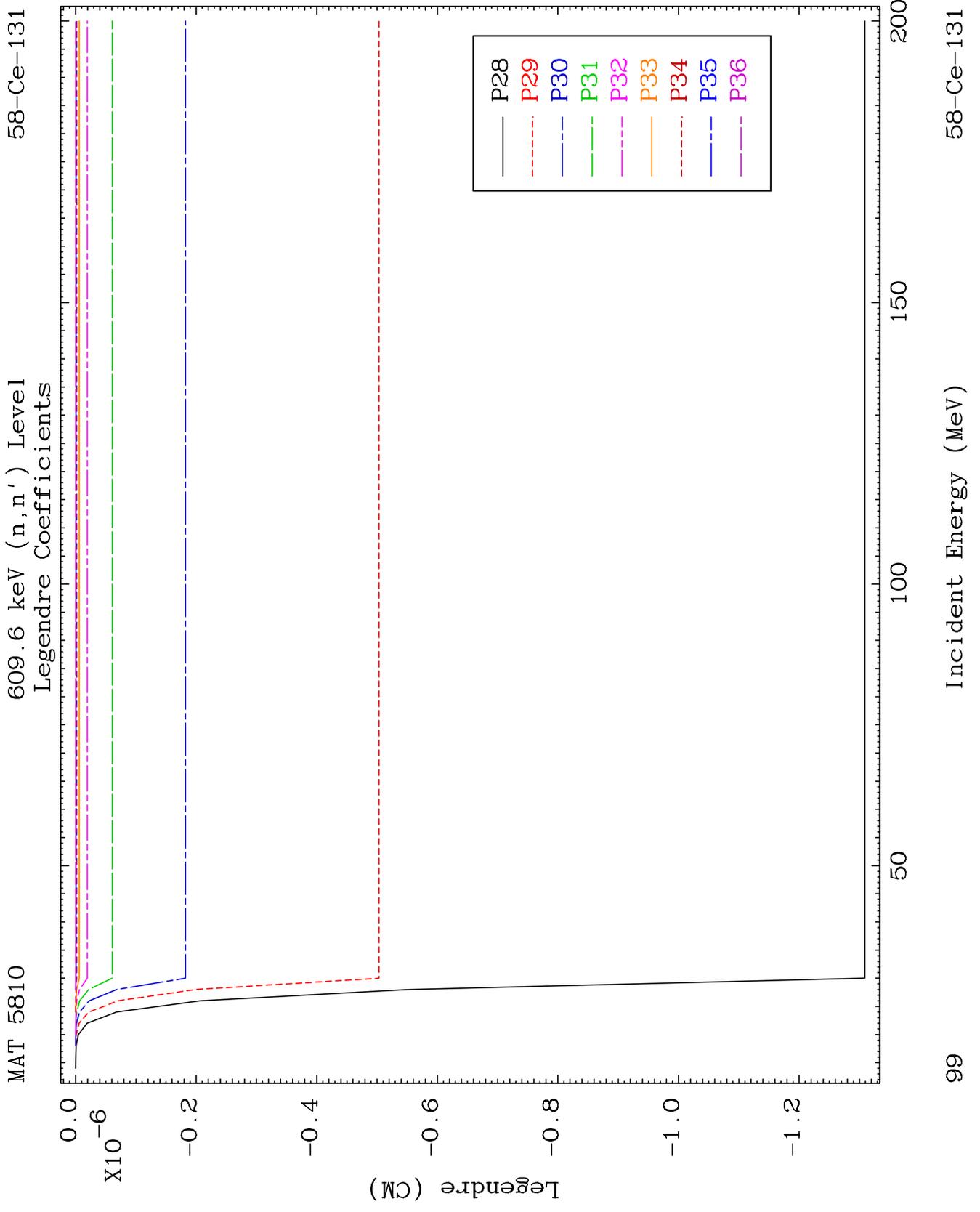


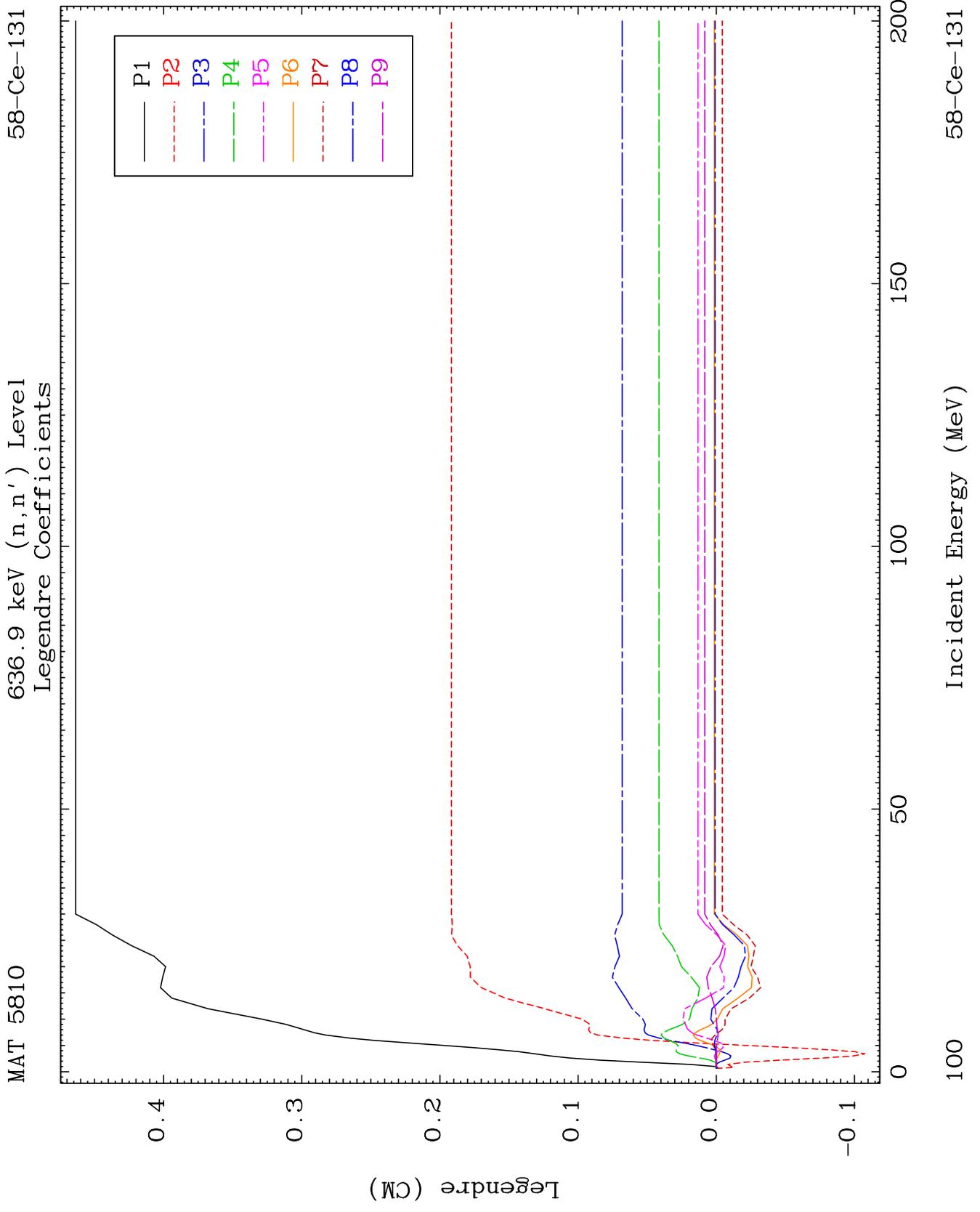
97

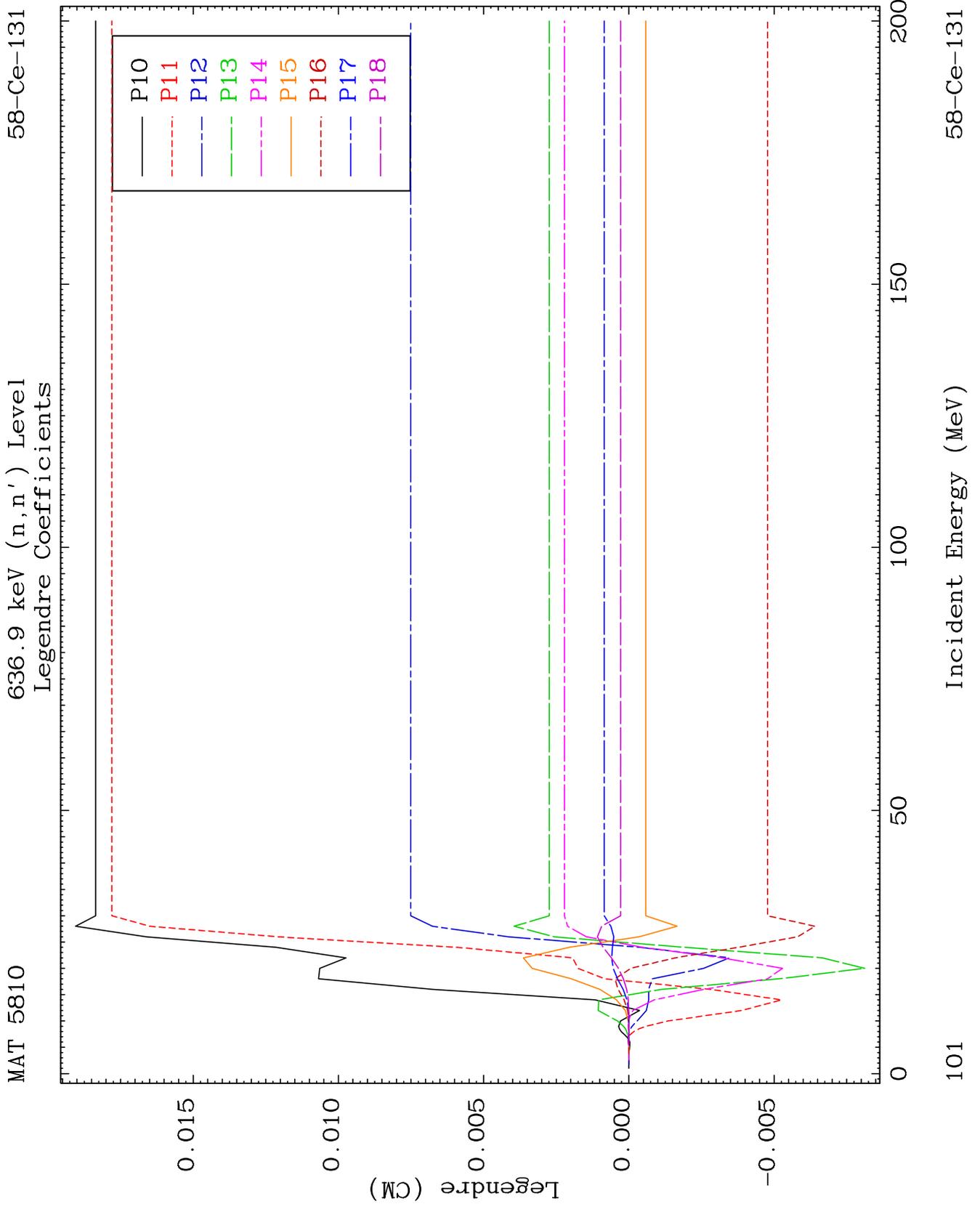
Incident Energy (MeV)

58-Ce-131





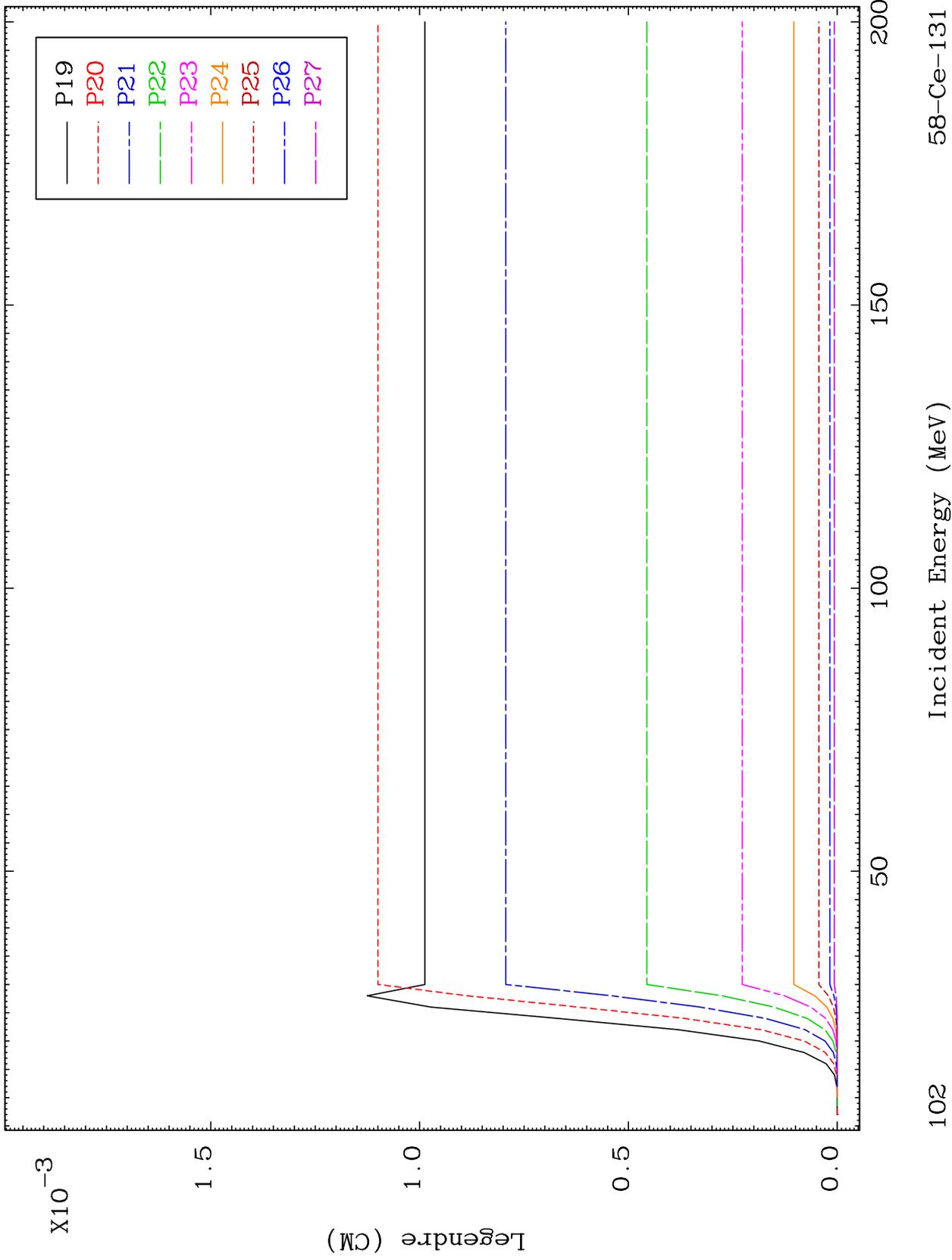




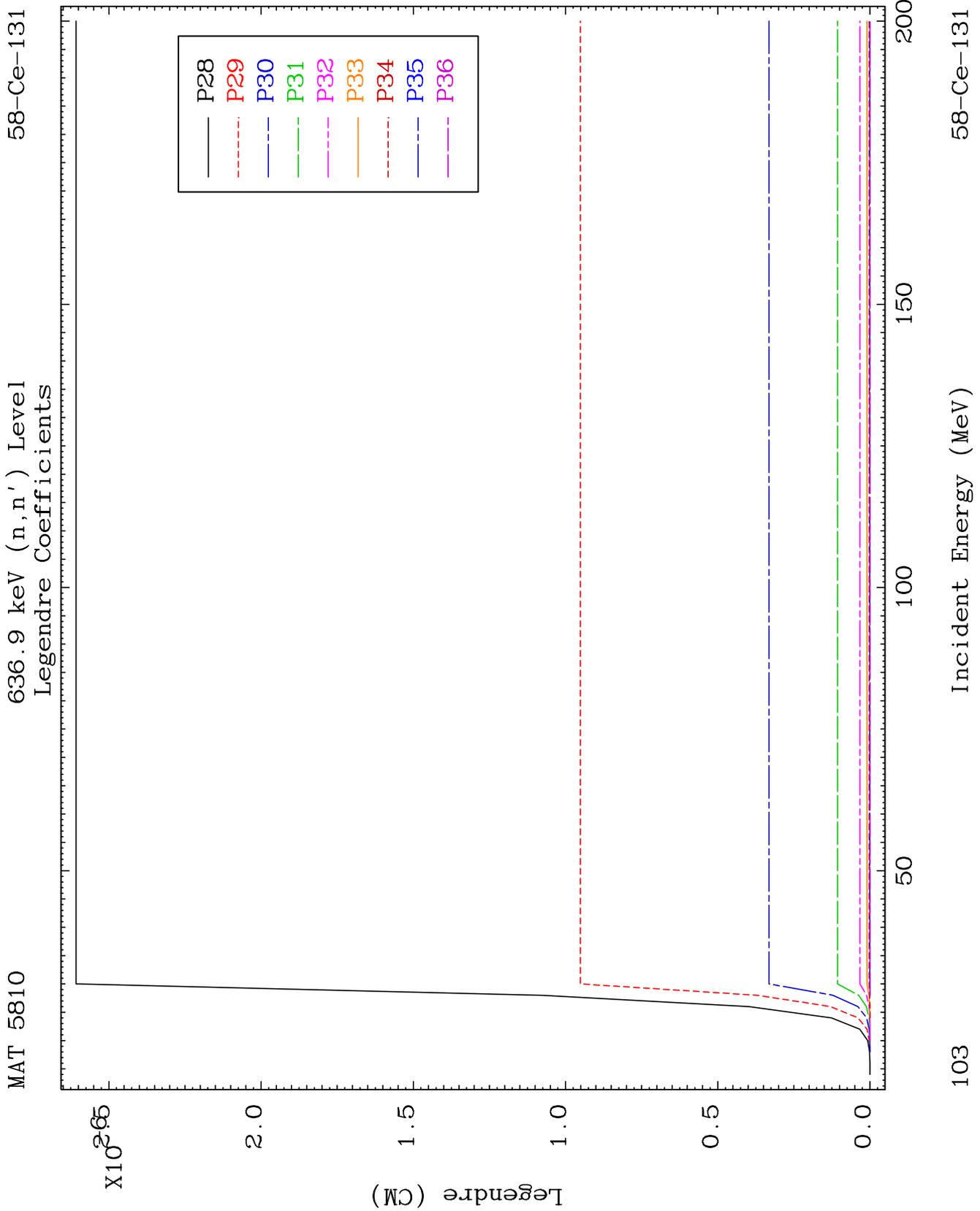
MAT 5810

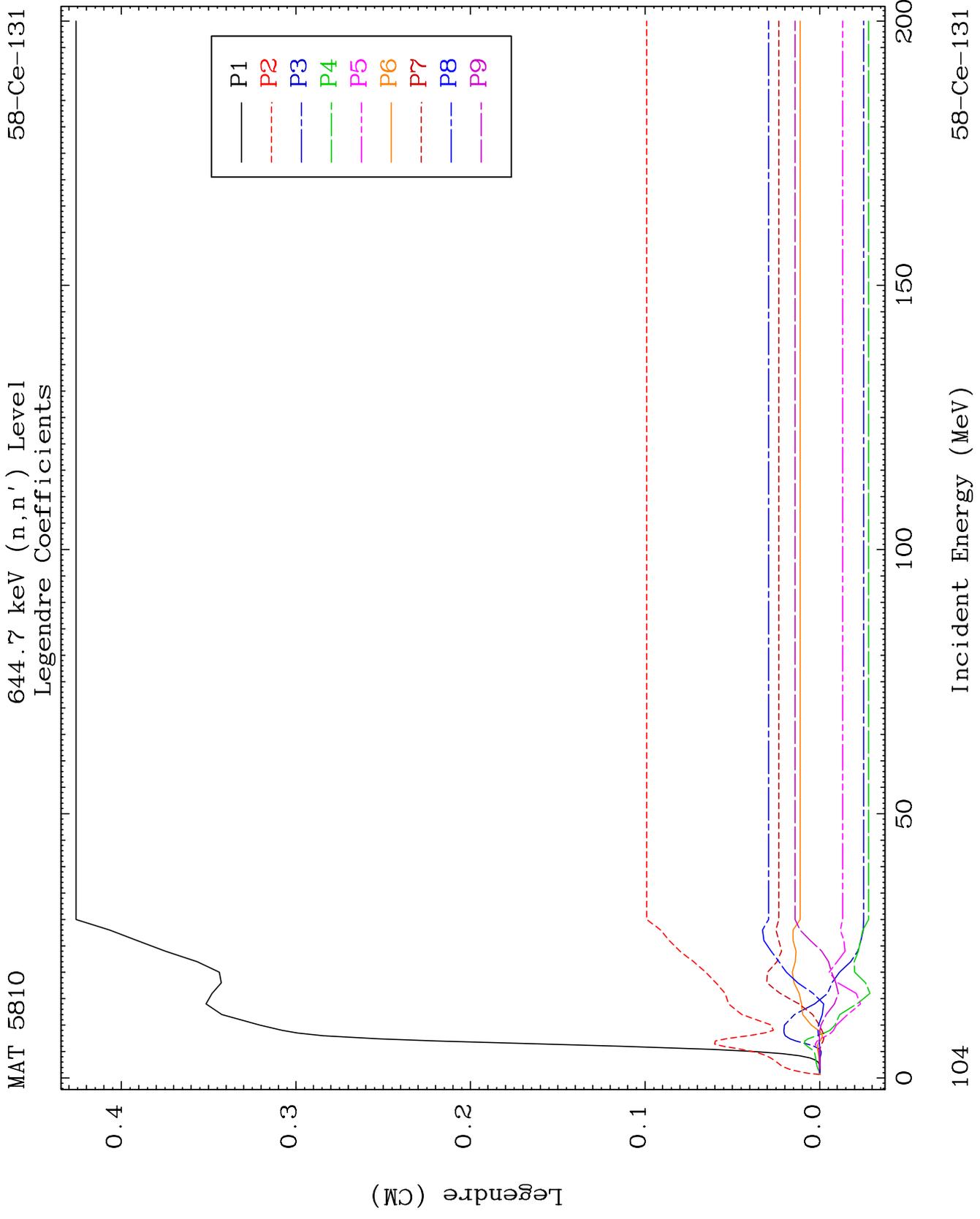
636.9 keV (n,n') Level
Legendre Coefficients

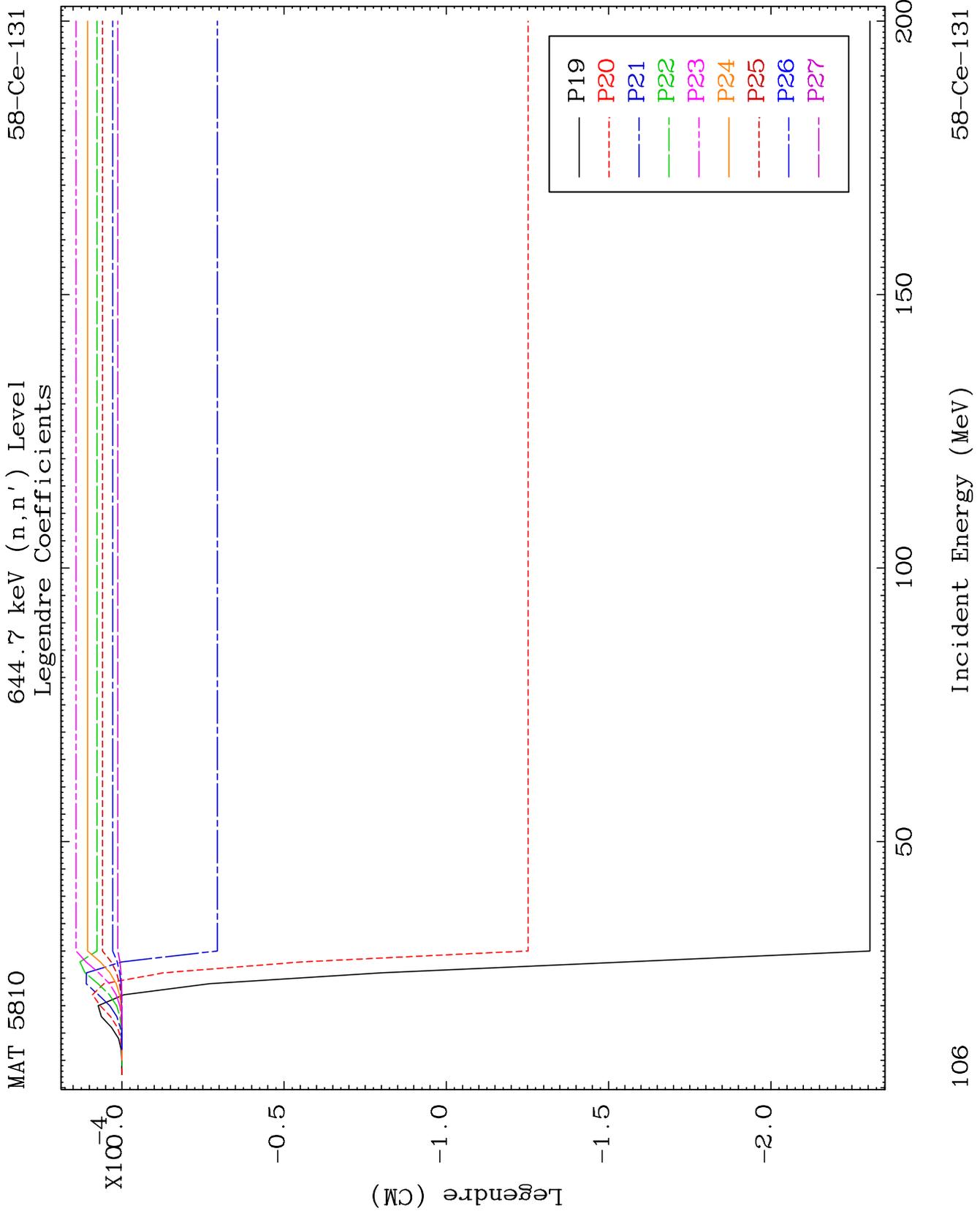
58-Ce-131



102



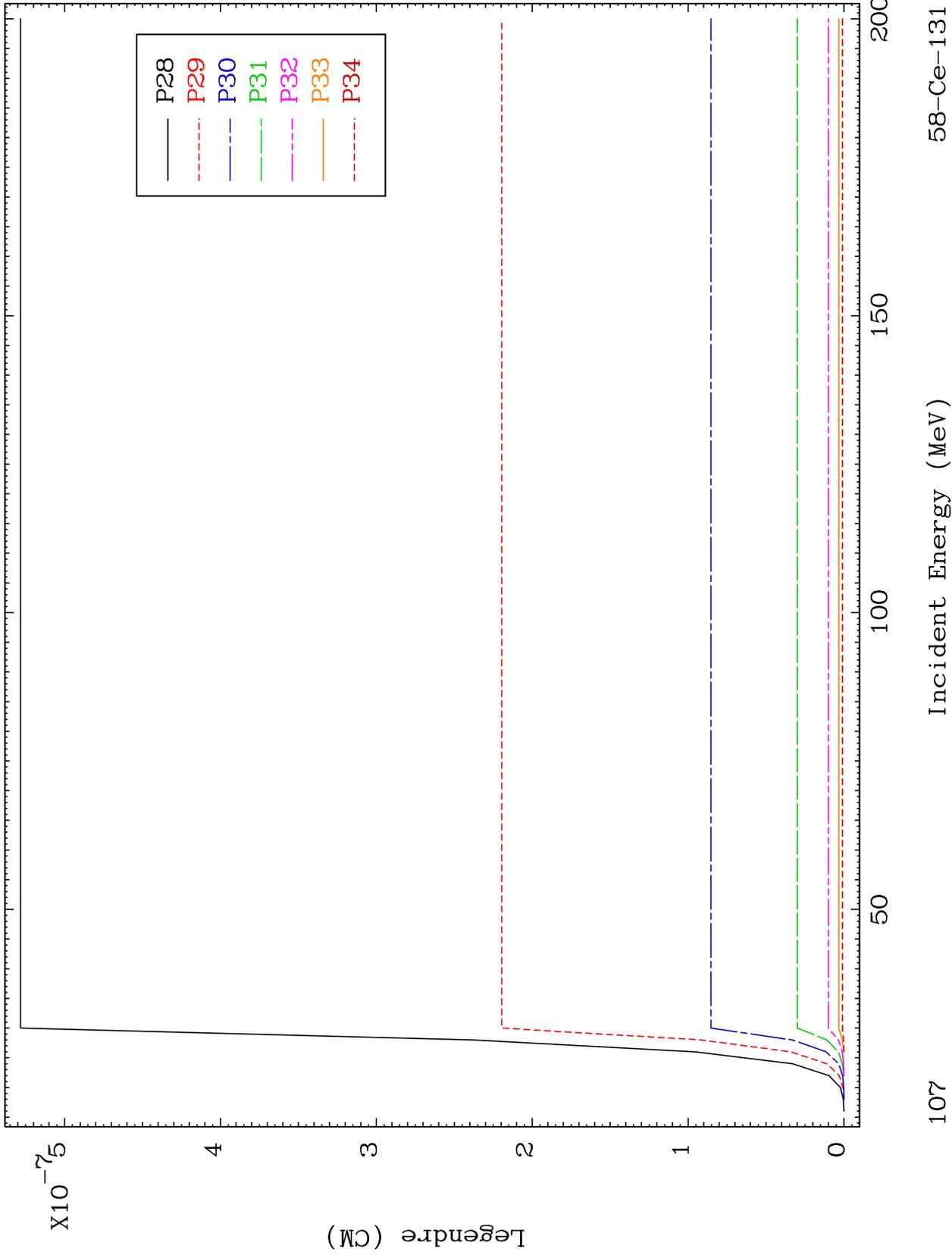




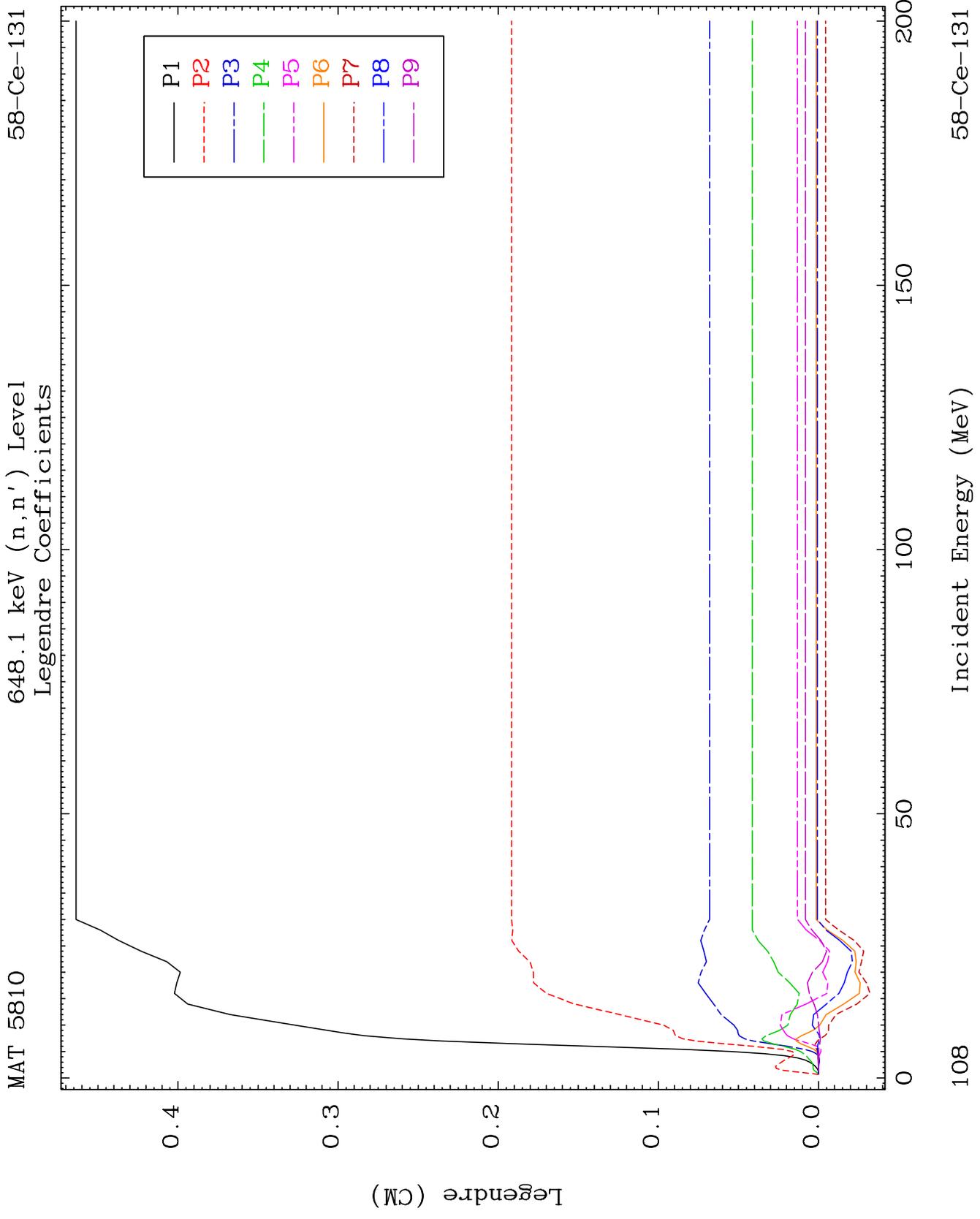
MAT 5810

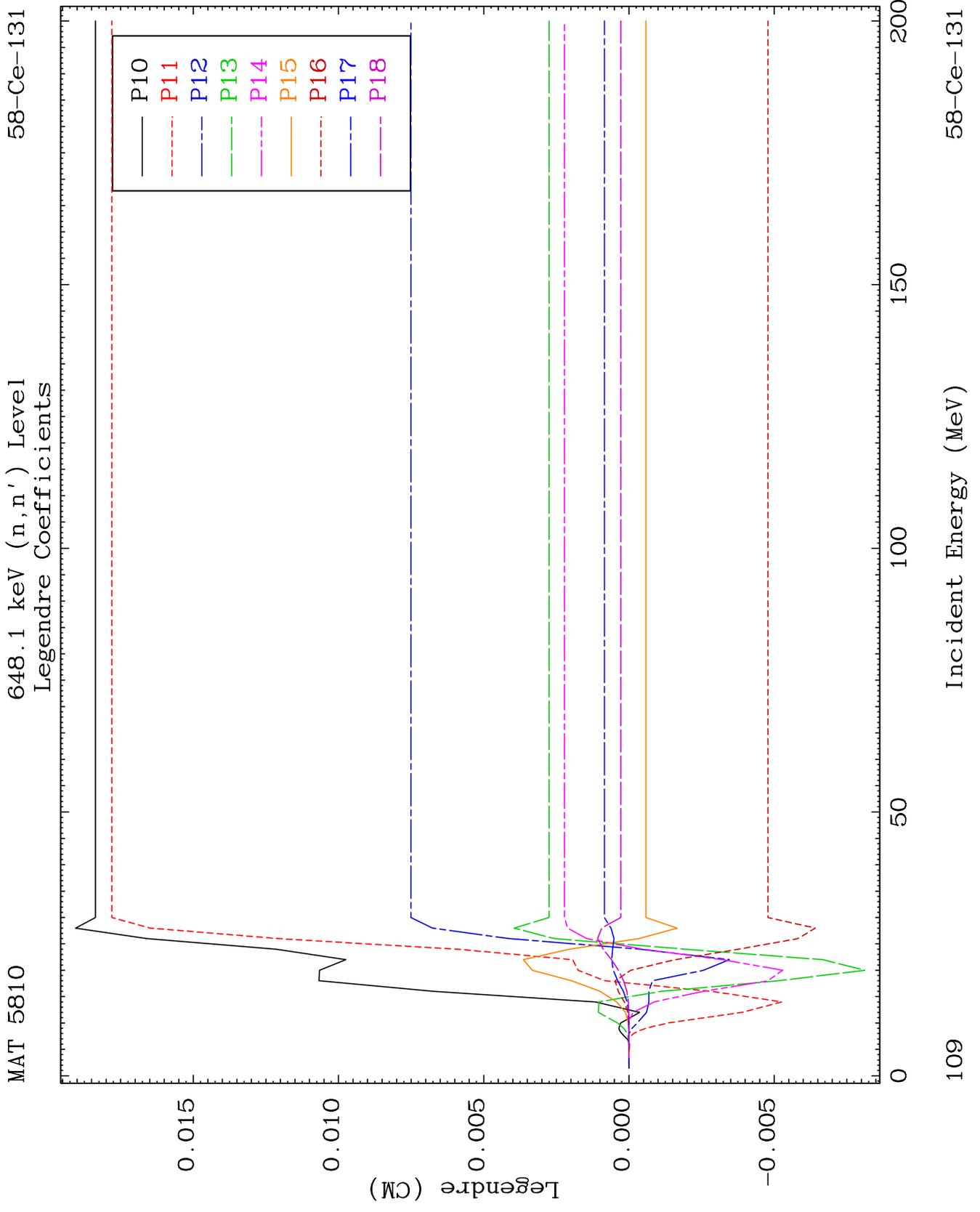
644.7 keV (n,n') Level
Legendre Coefficients

58-Ce-131



107

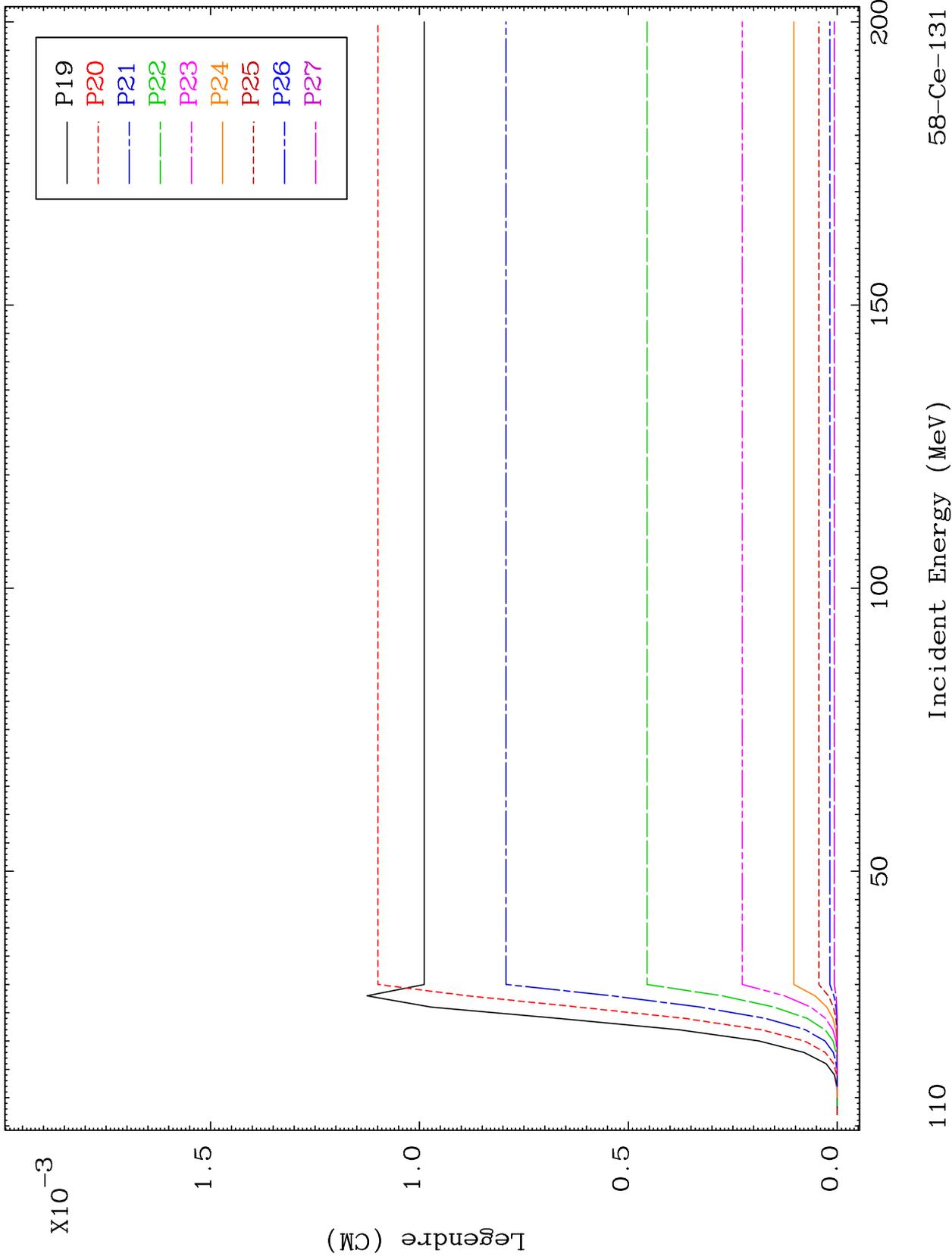


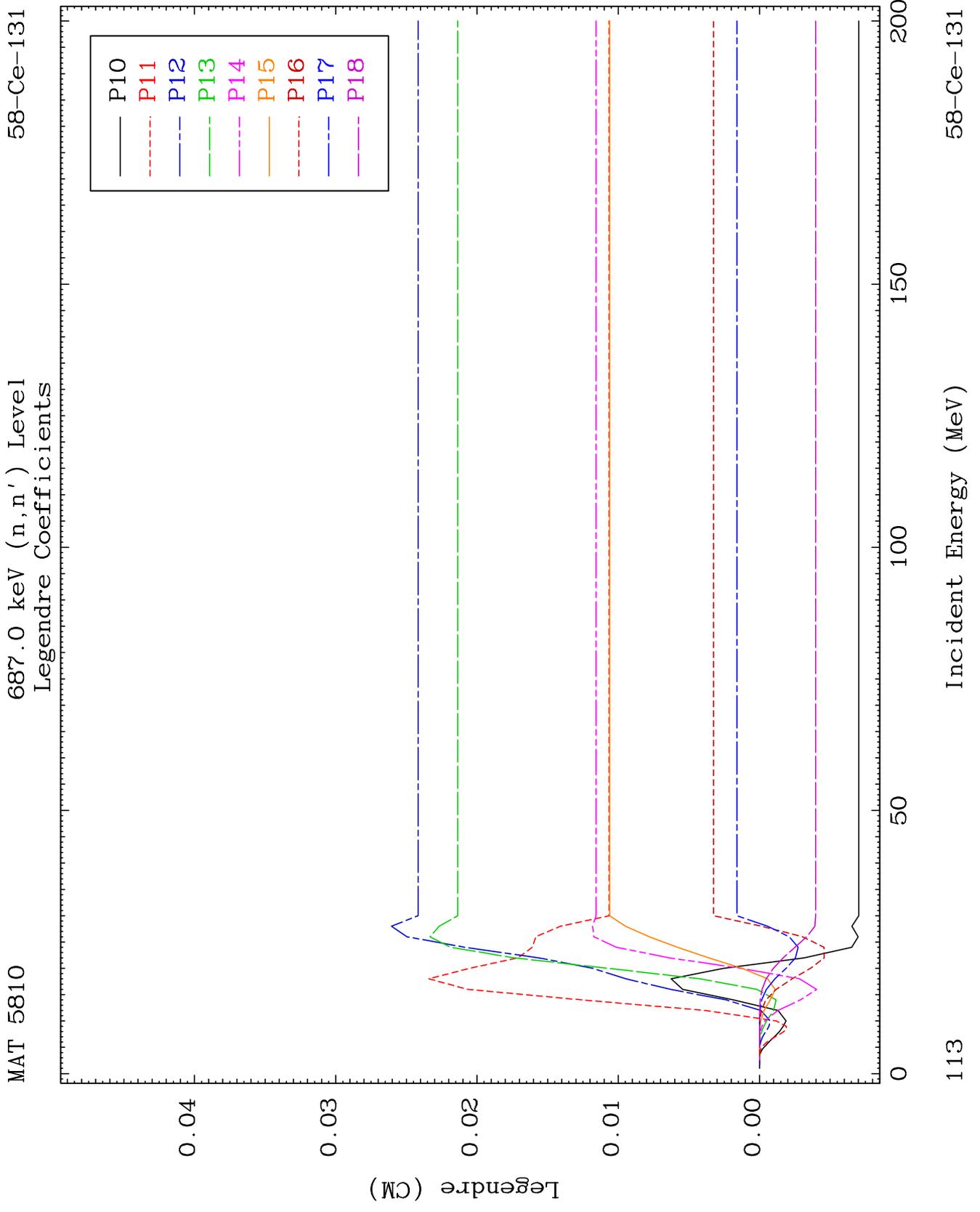


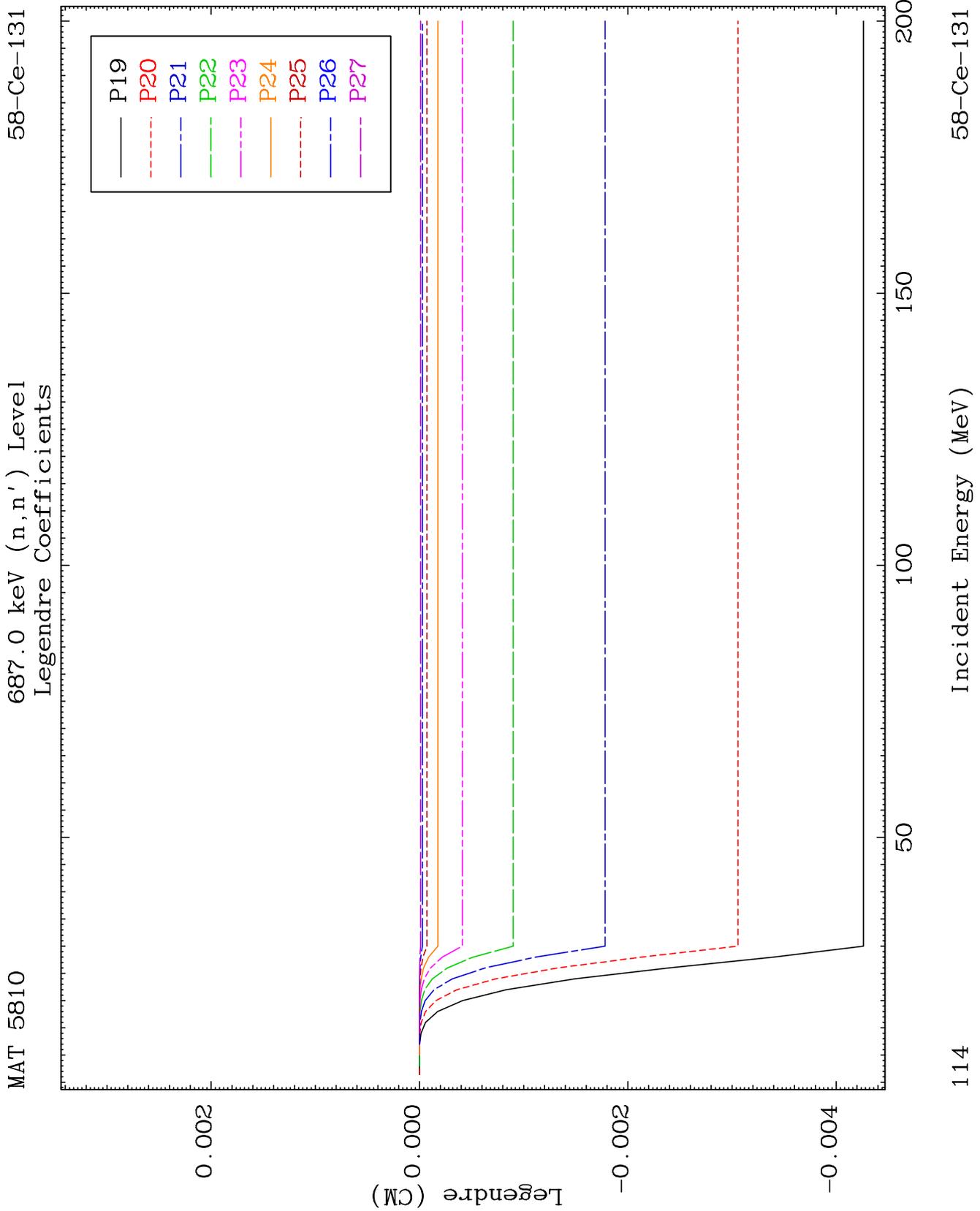
MAT 5810

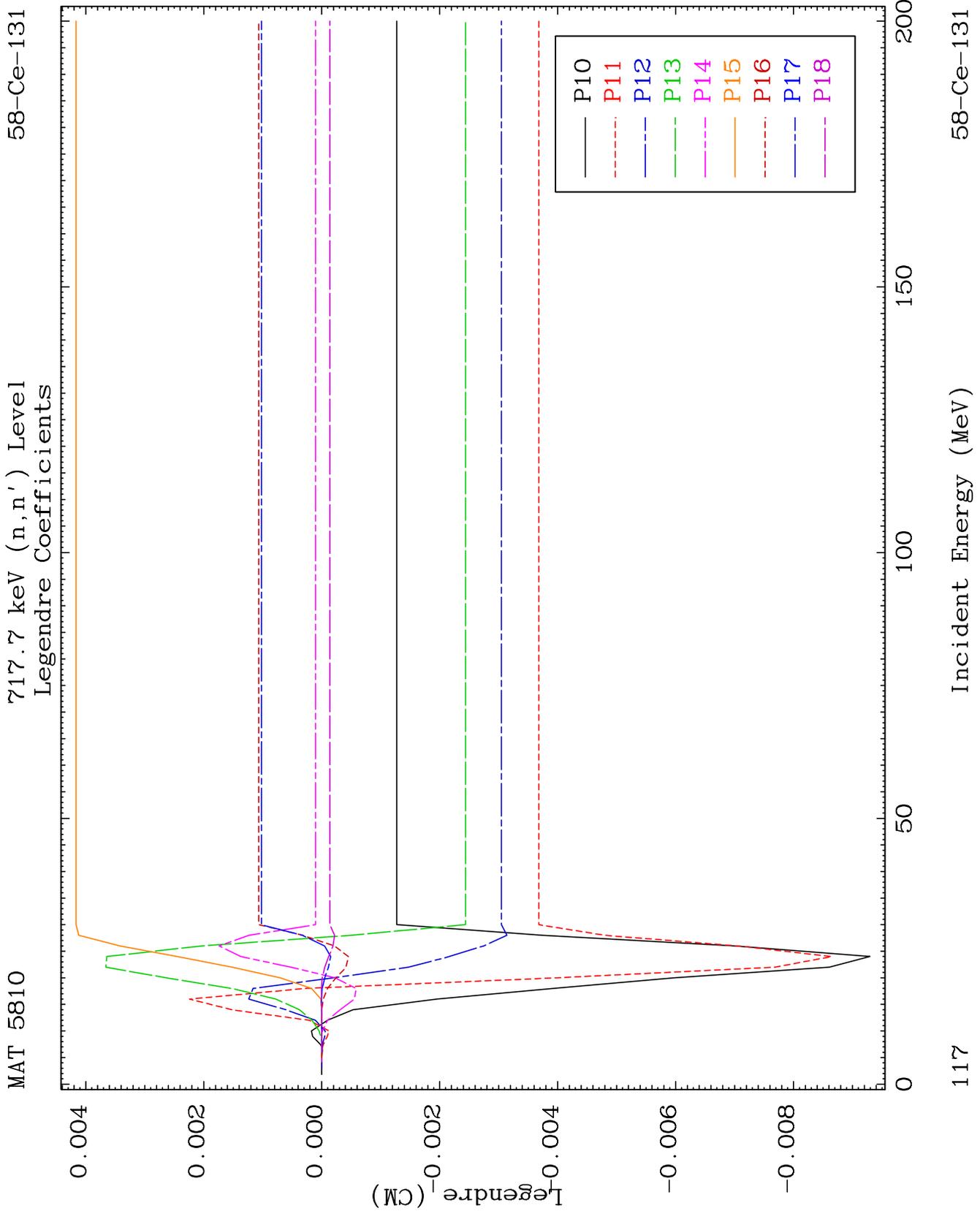
648.1 keV (n,n') Level
Legendre Coefficients

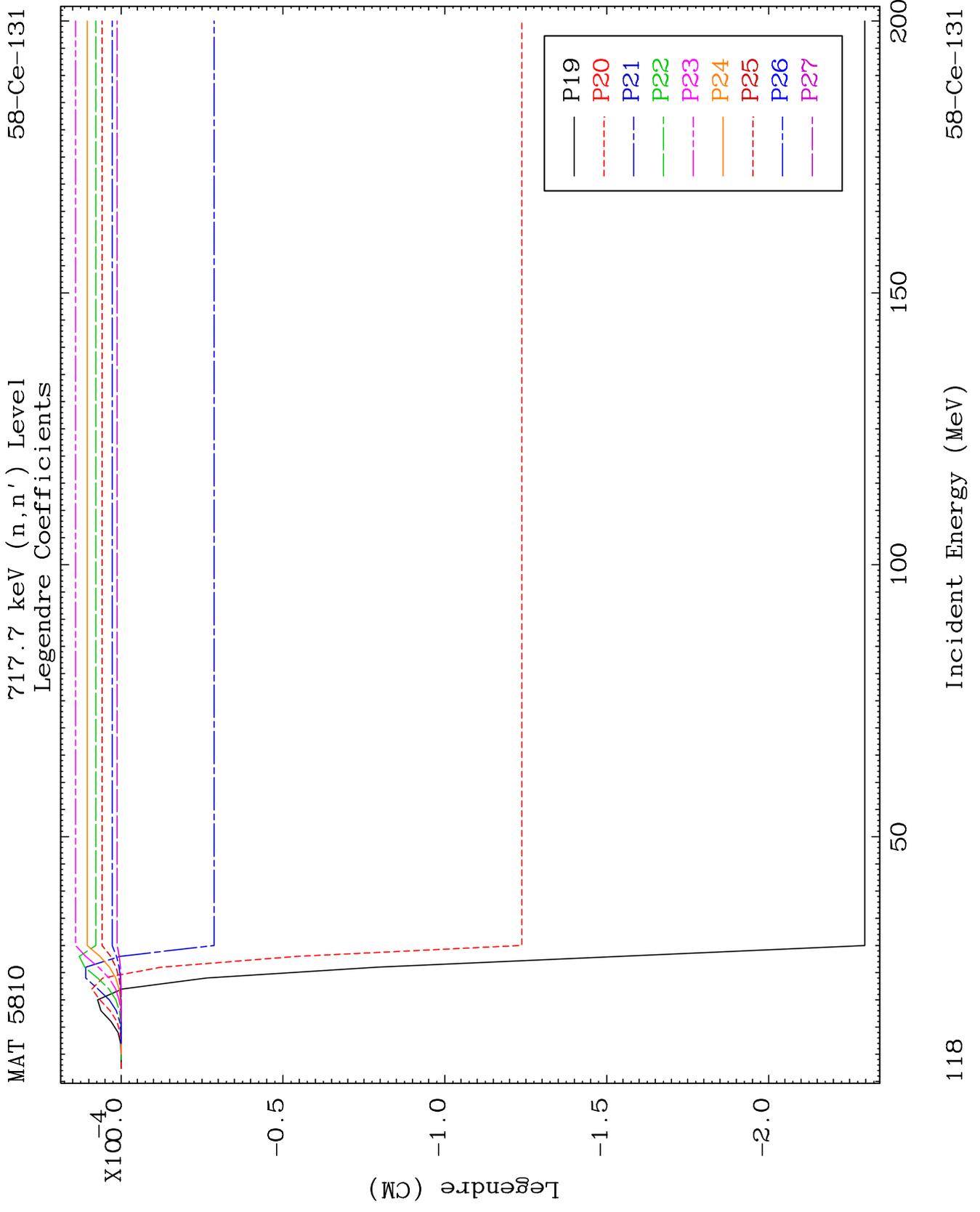
58-Ce-131

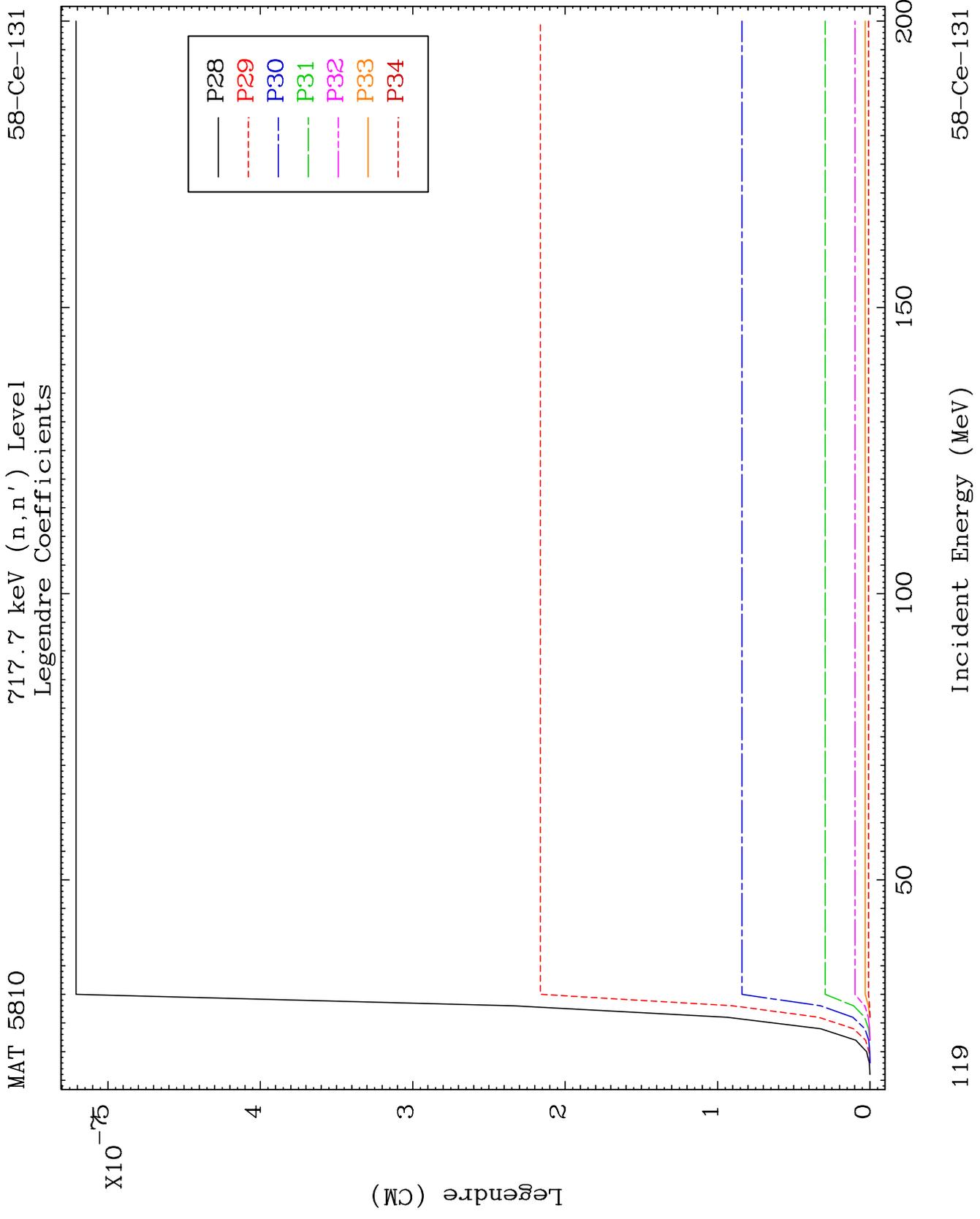


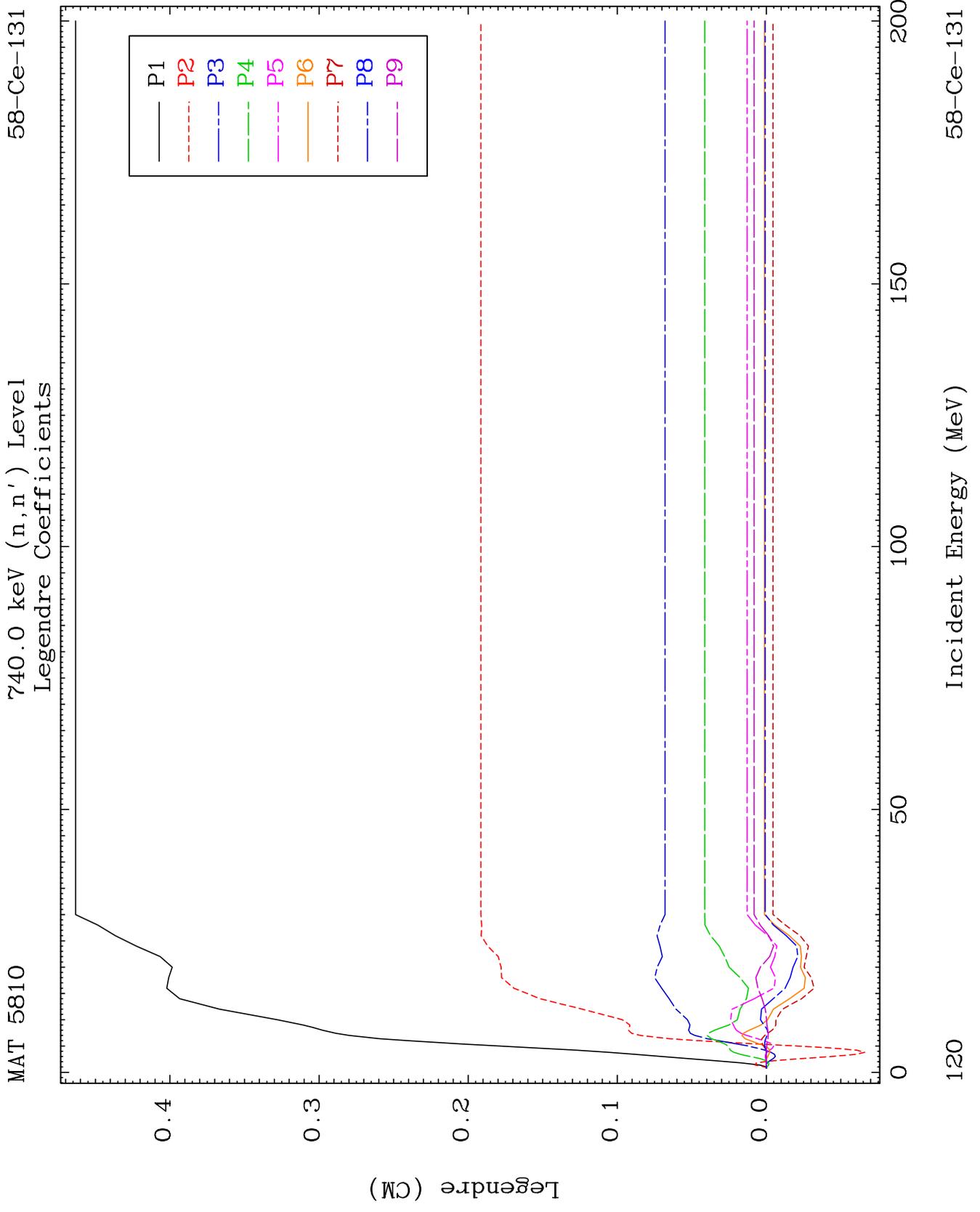


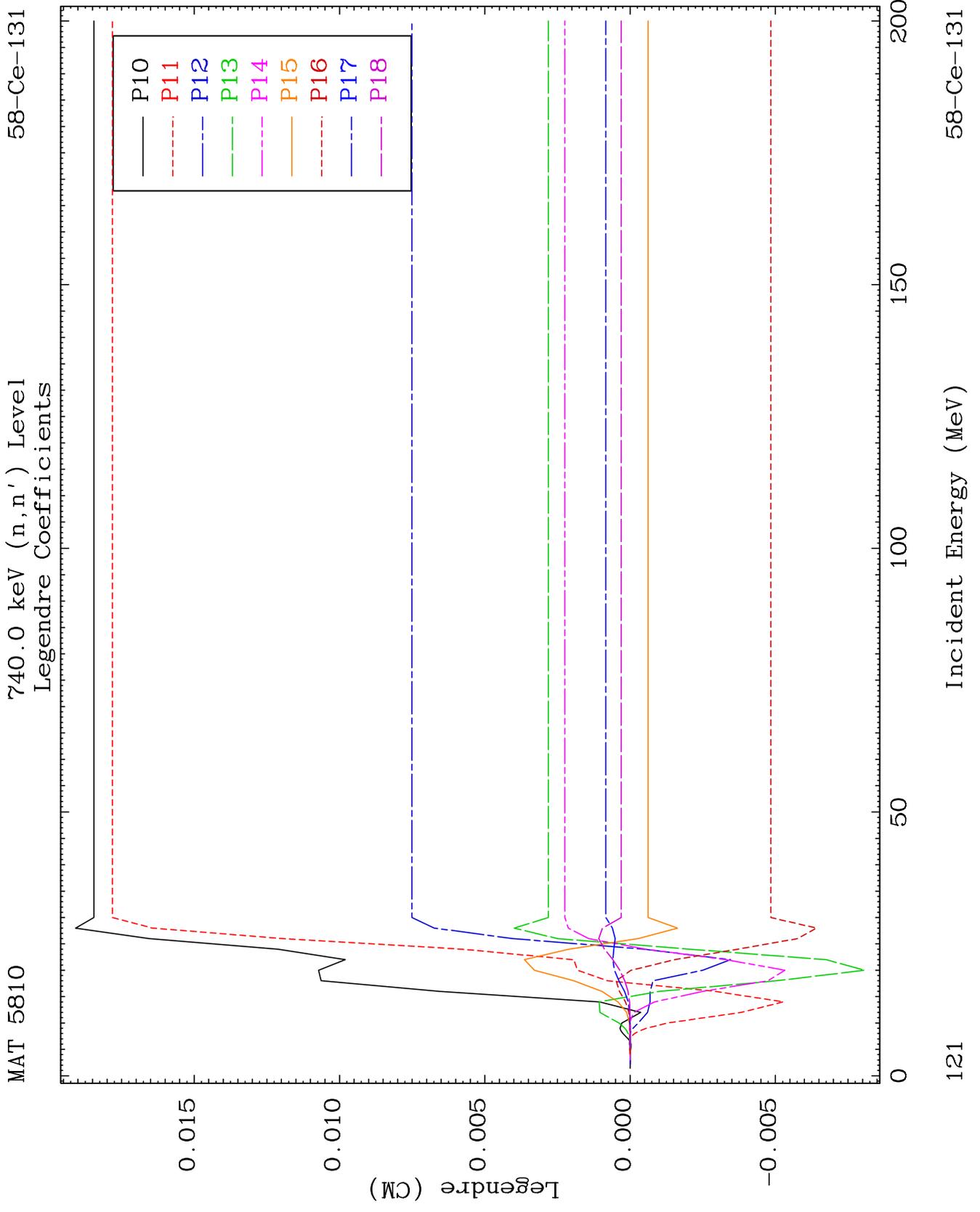


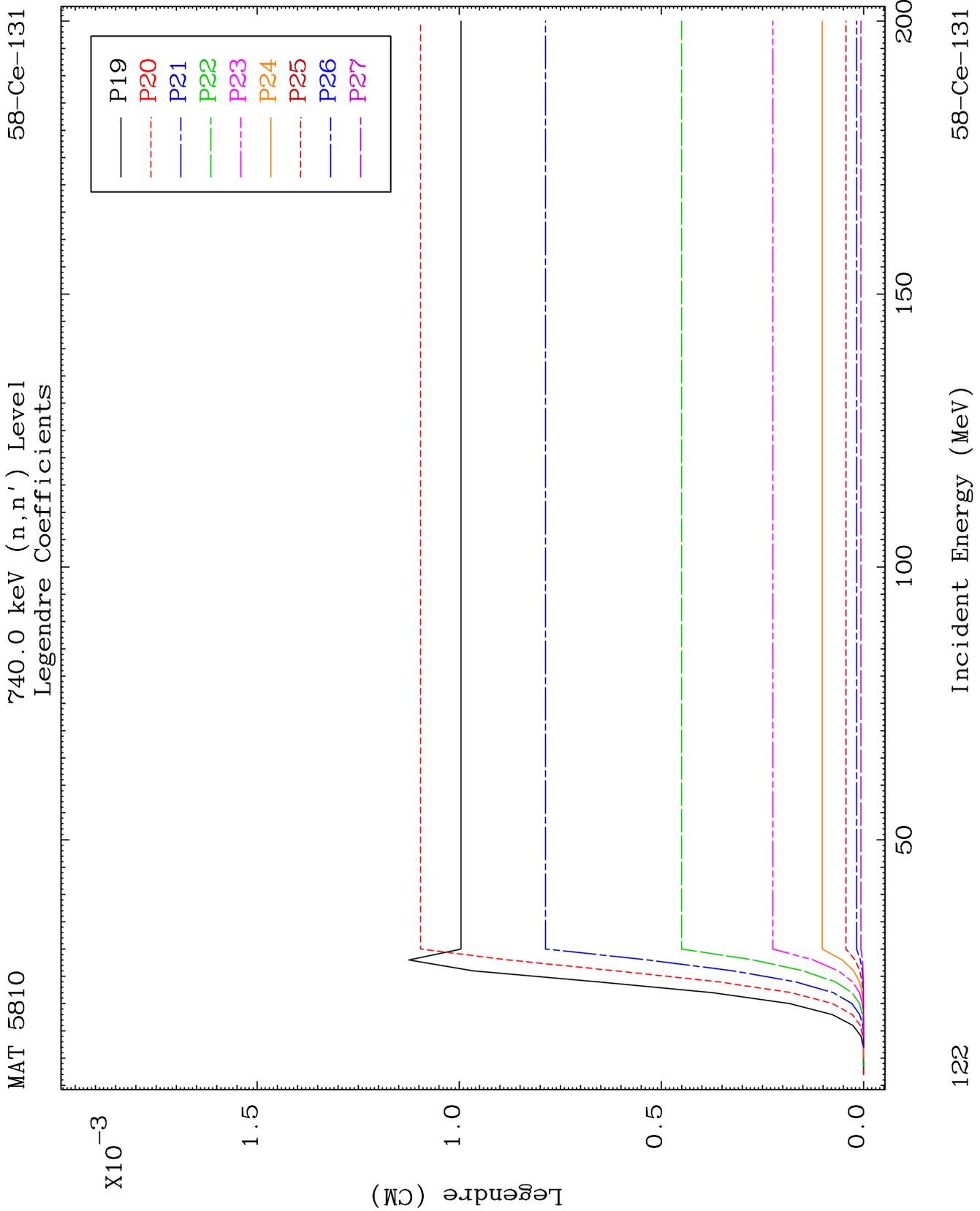


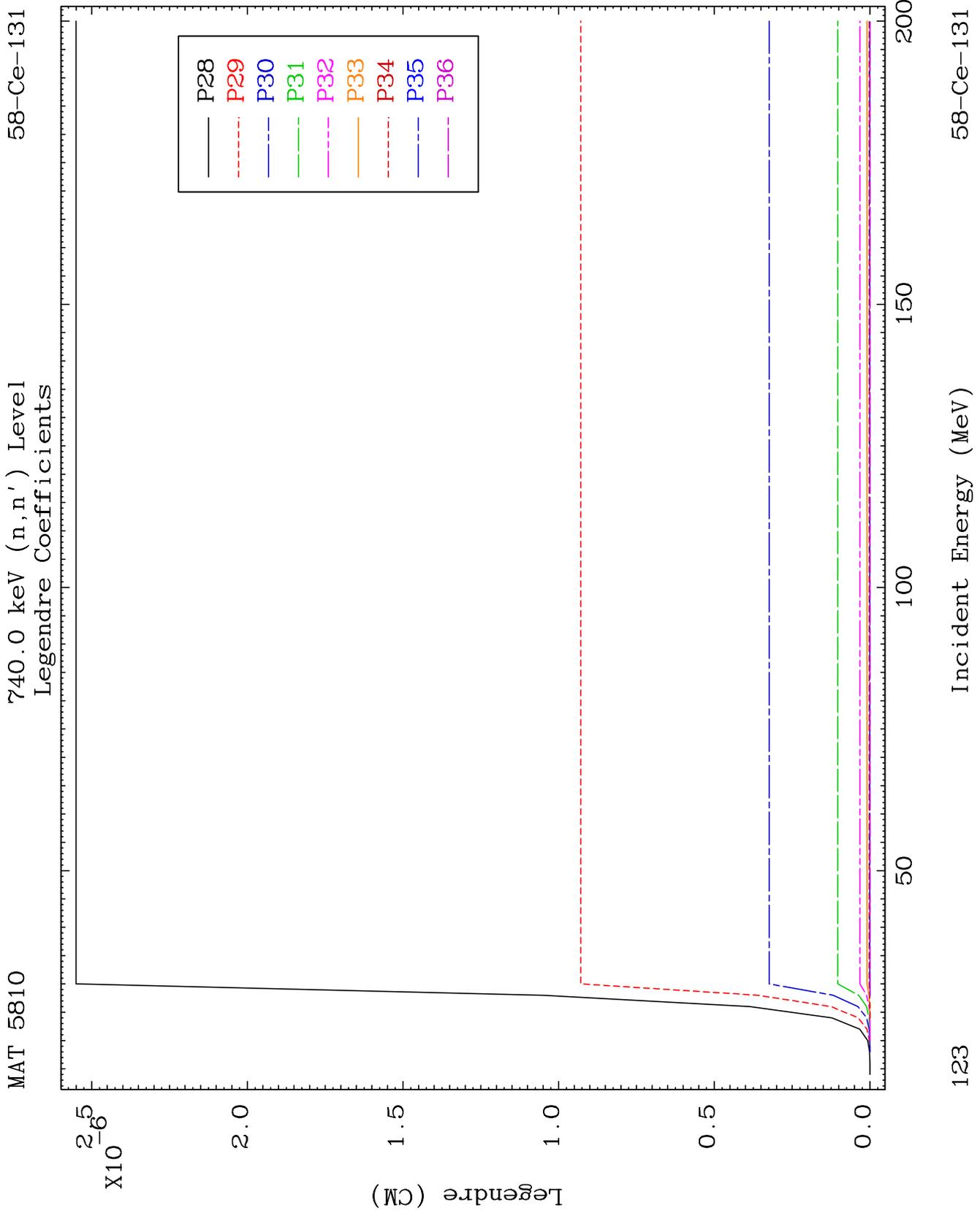








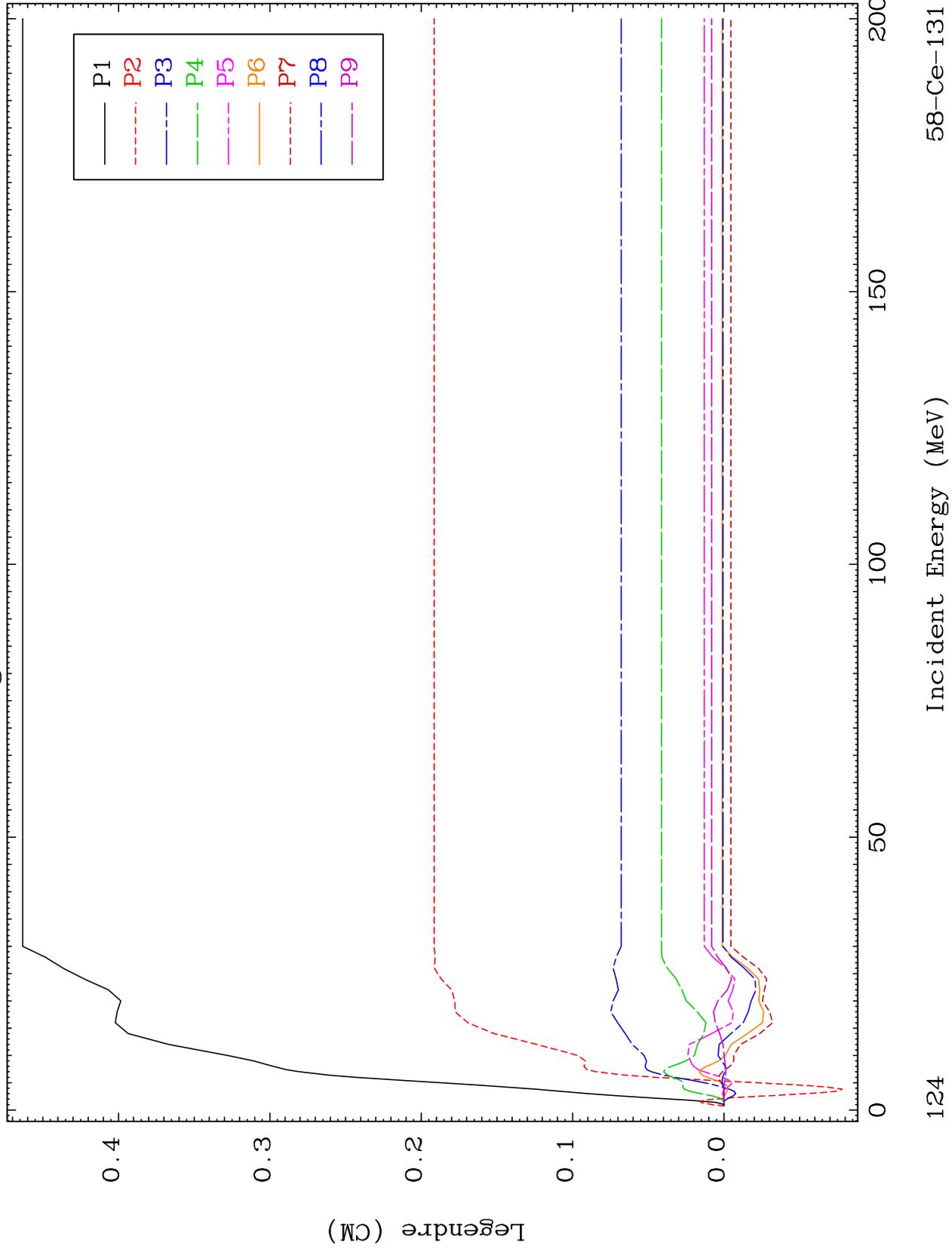




MAT 5810

744.7 keV (n,n') Level
Legendre Coefficients

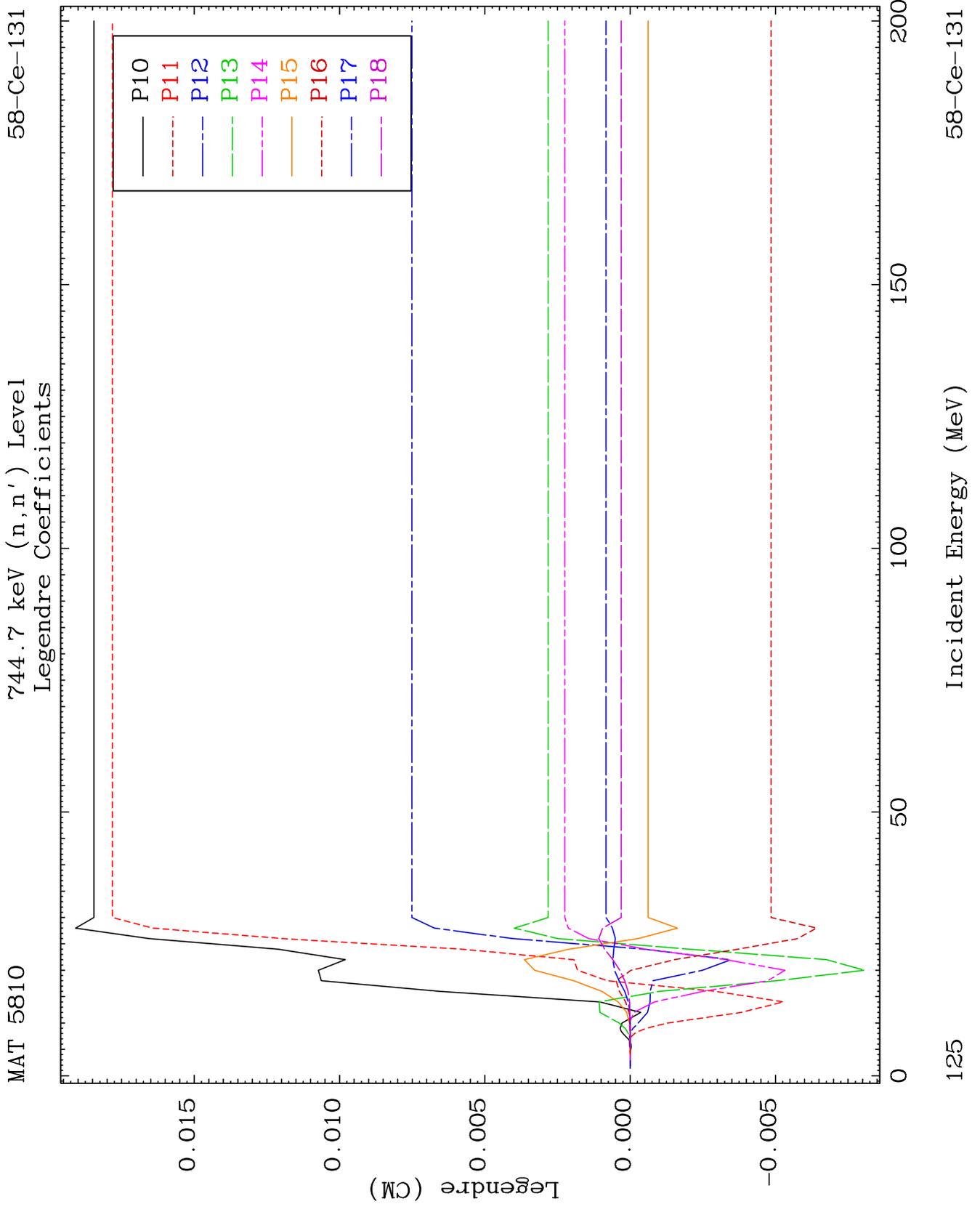
58-Ce-131



58-Ce-131

Incident Energy (MeV)

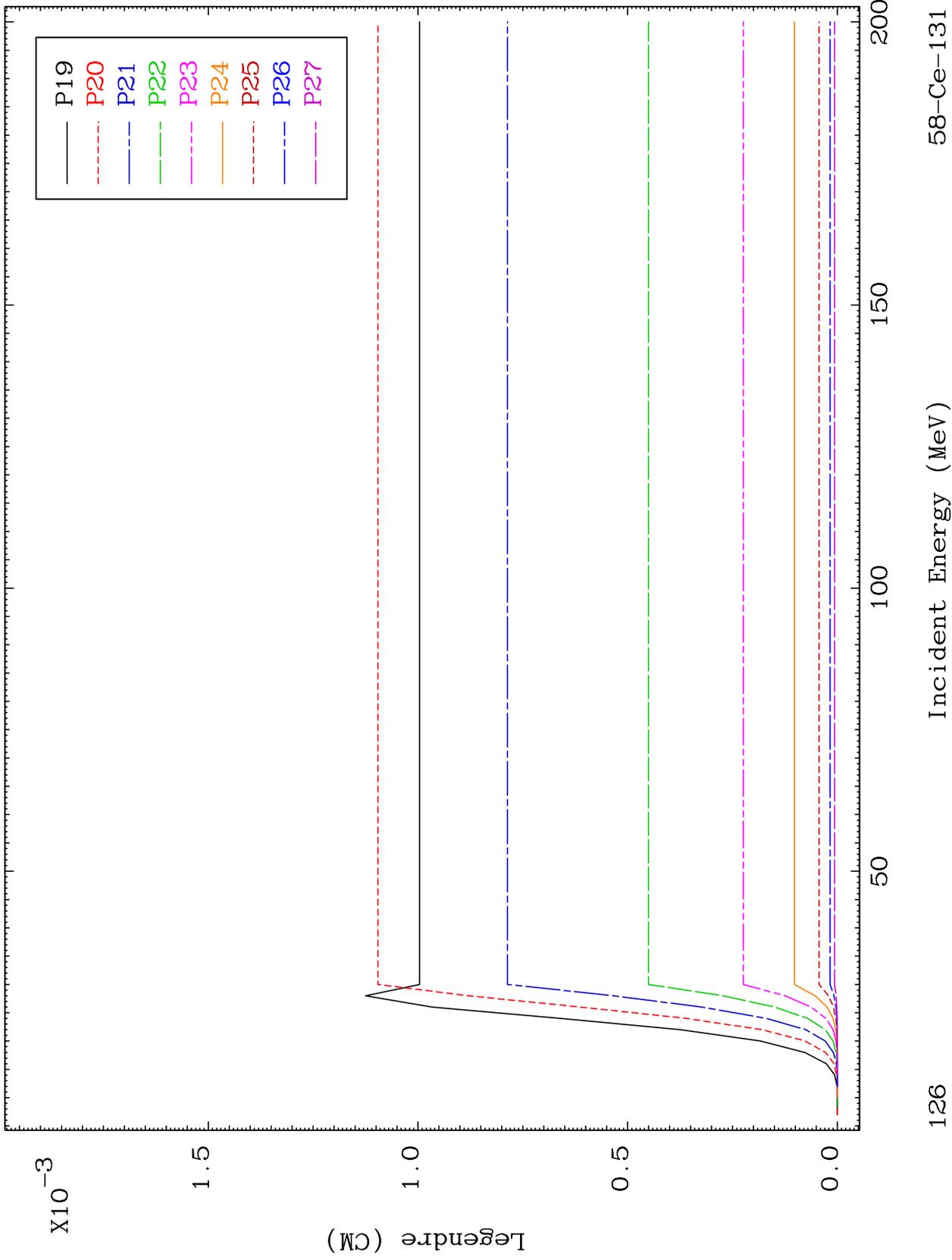
124



MAT 5810

744.7 keV (n,n') Level
Legendre Coefficients

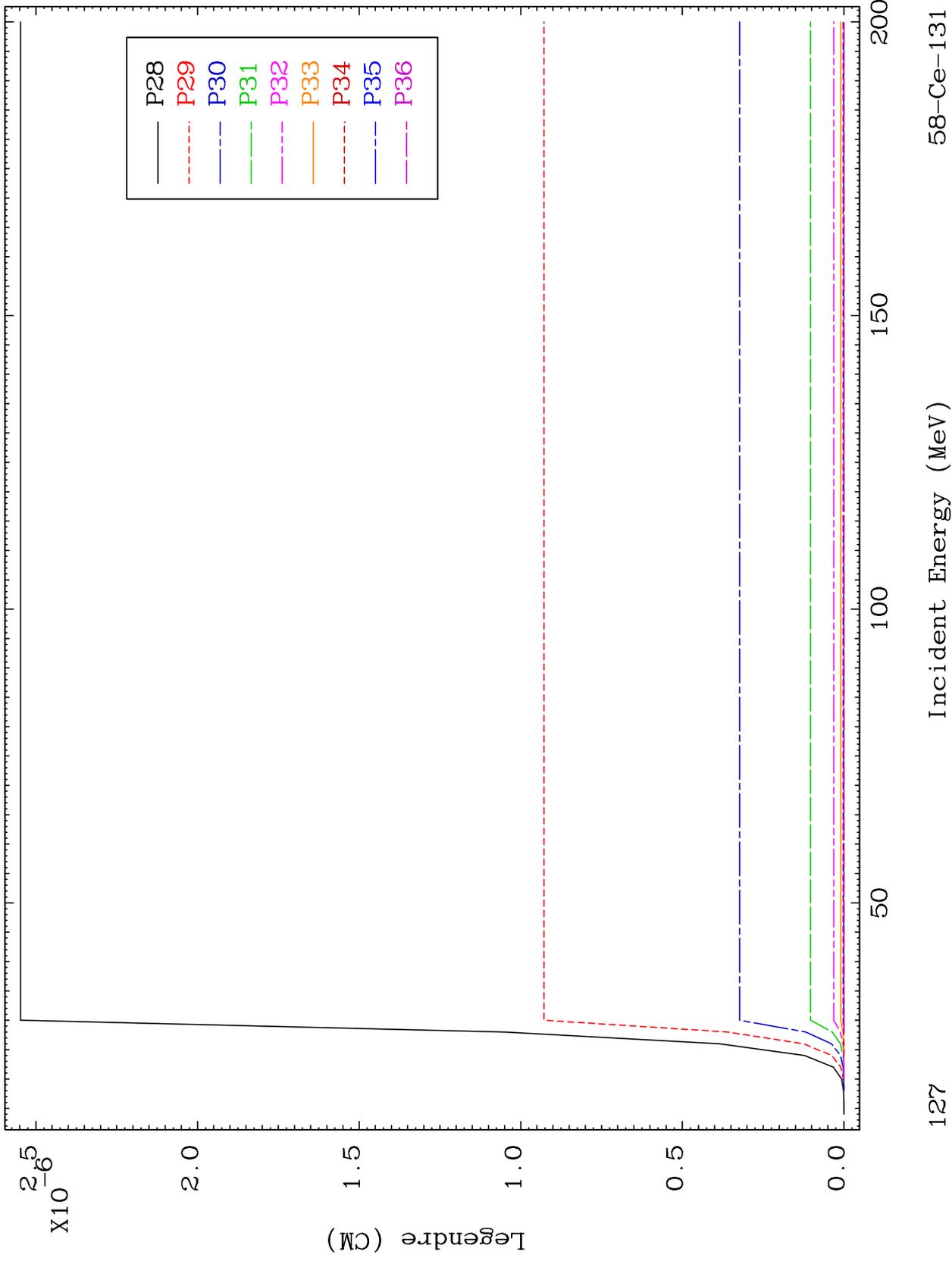
58-Ce-131



MAT 5810

744.7 keV (n, n') Level
Legendre Coefficients

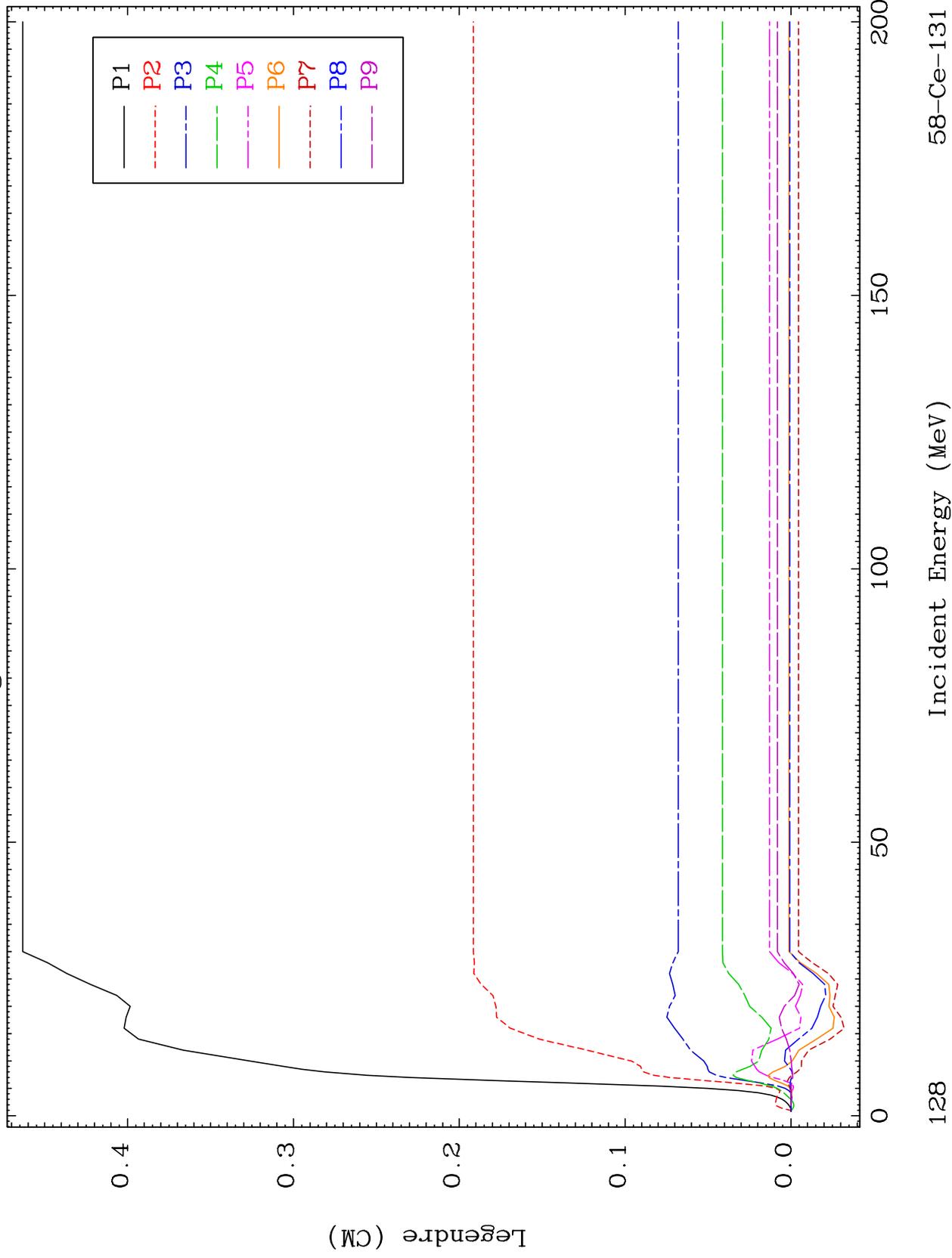
58-Ce-131



MAT 5810

753.2 keV (n,n') Level
Legendre Coefficients

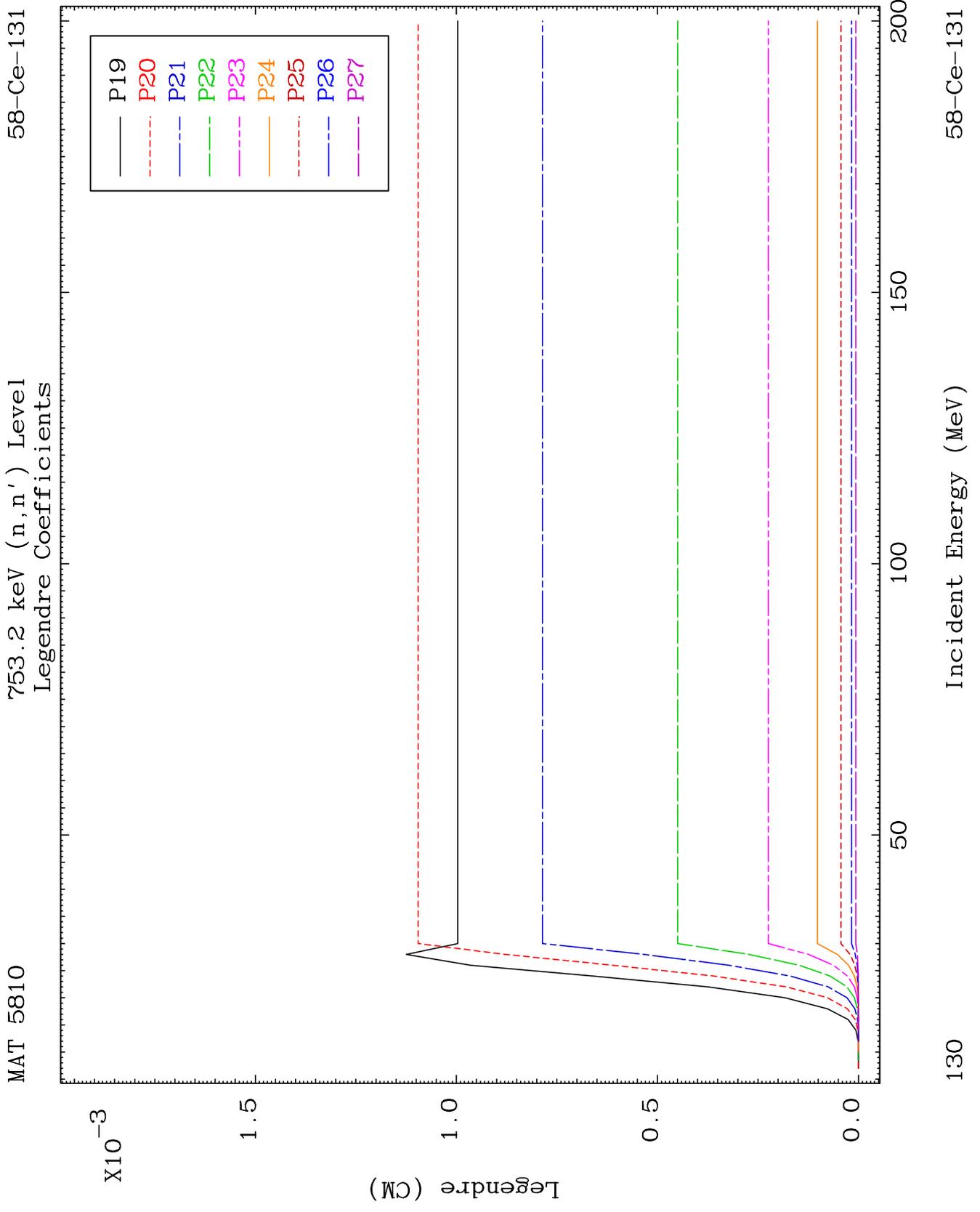
58-Ce-131

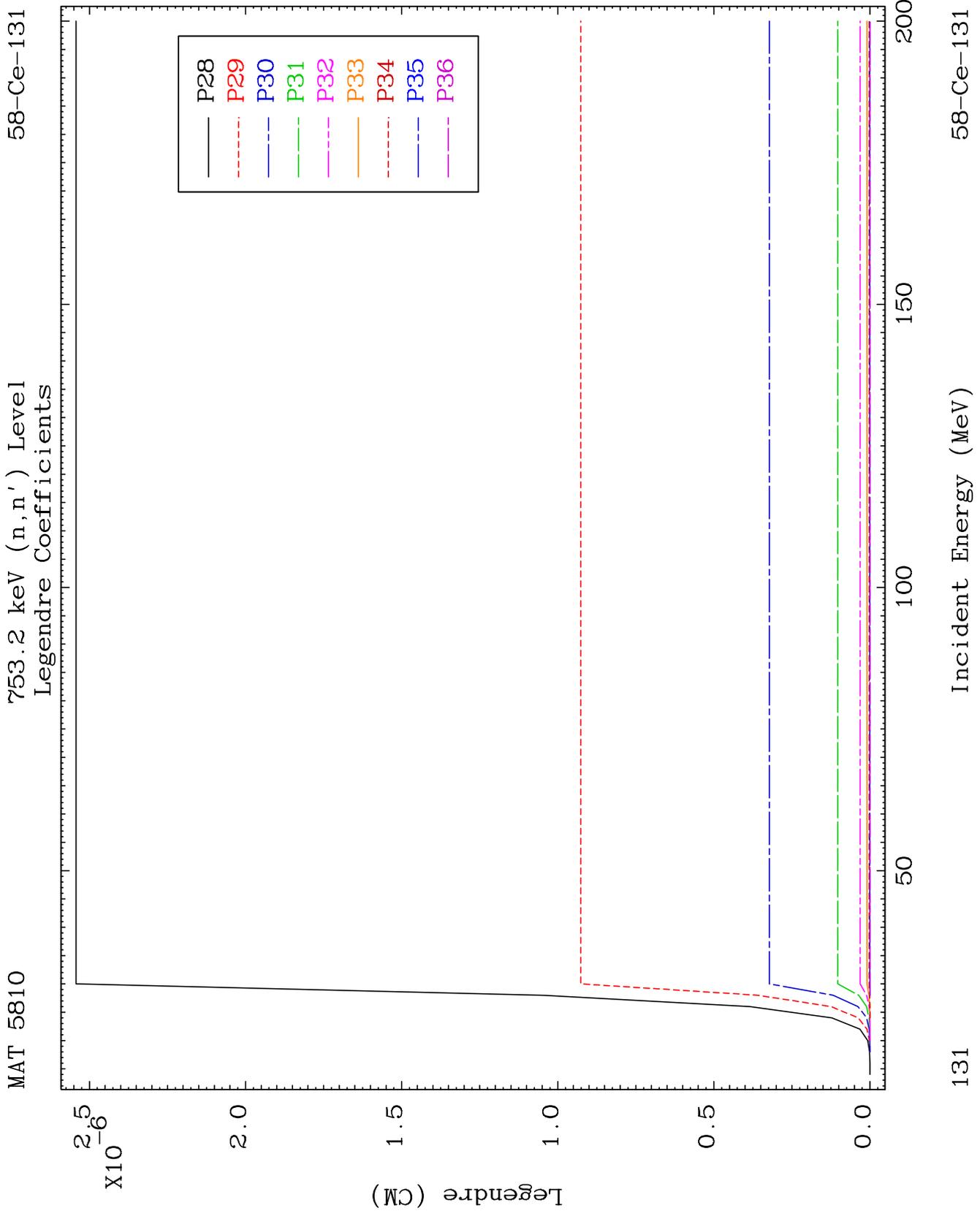


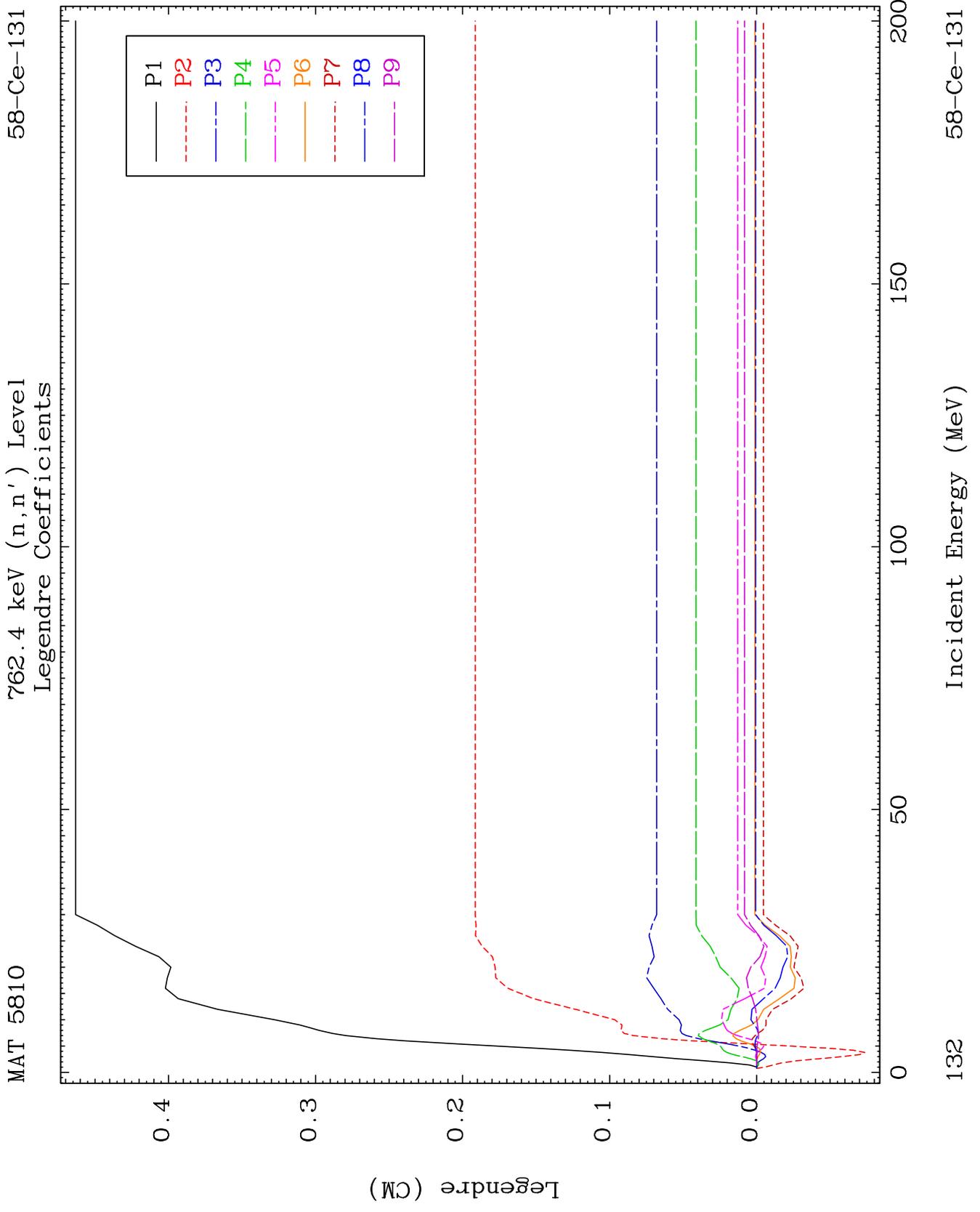
58-Ce-131

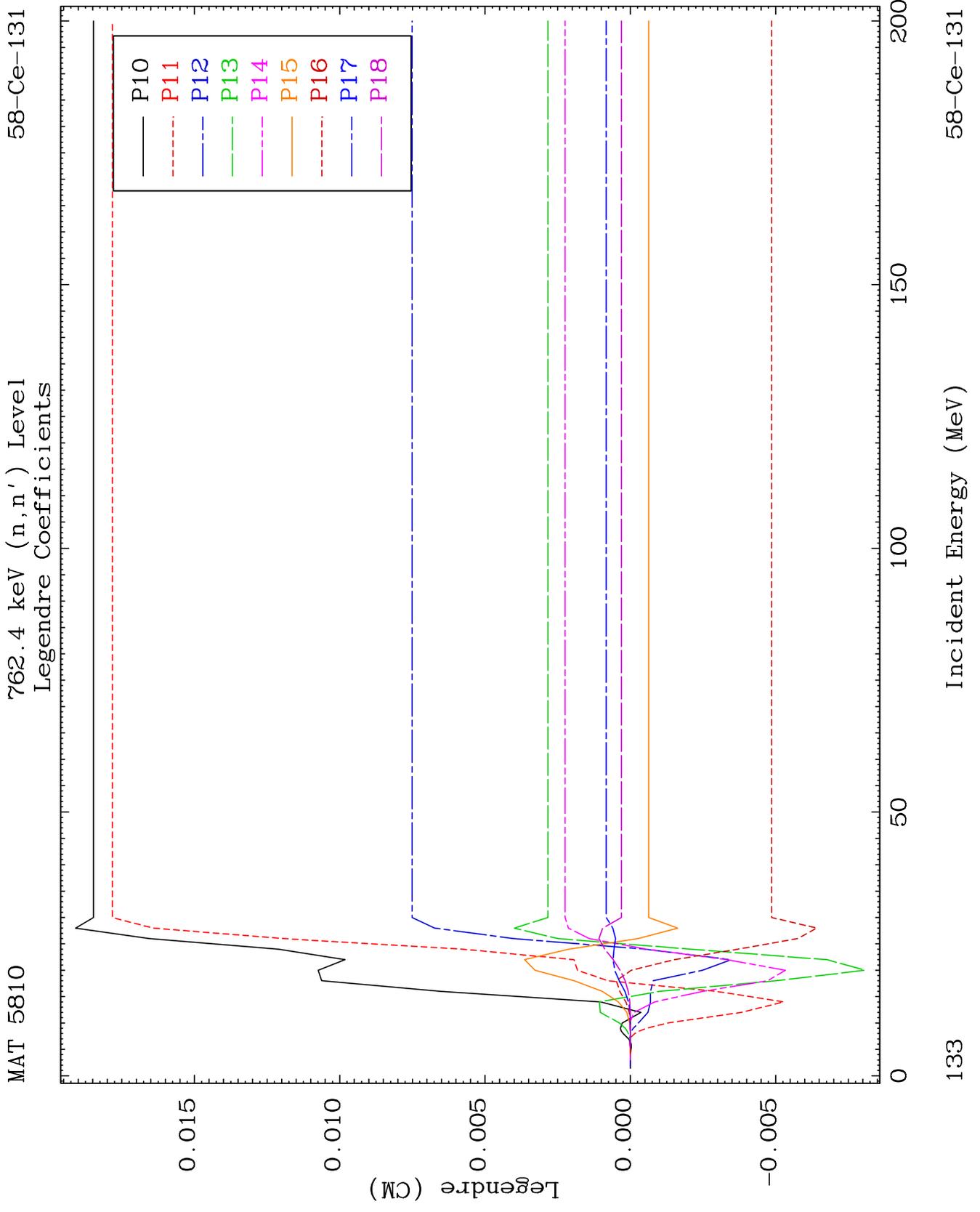
Incident Energy (MeV)

128





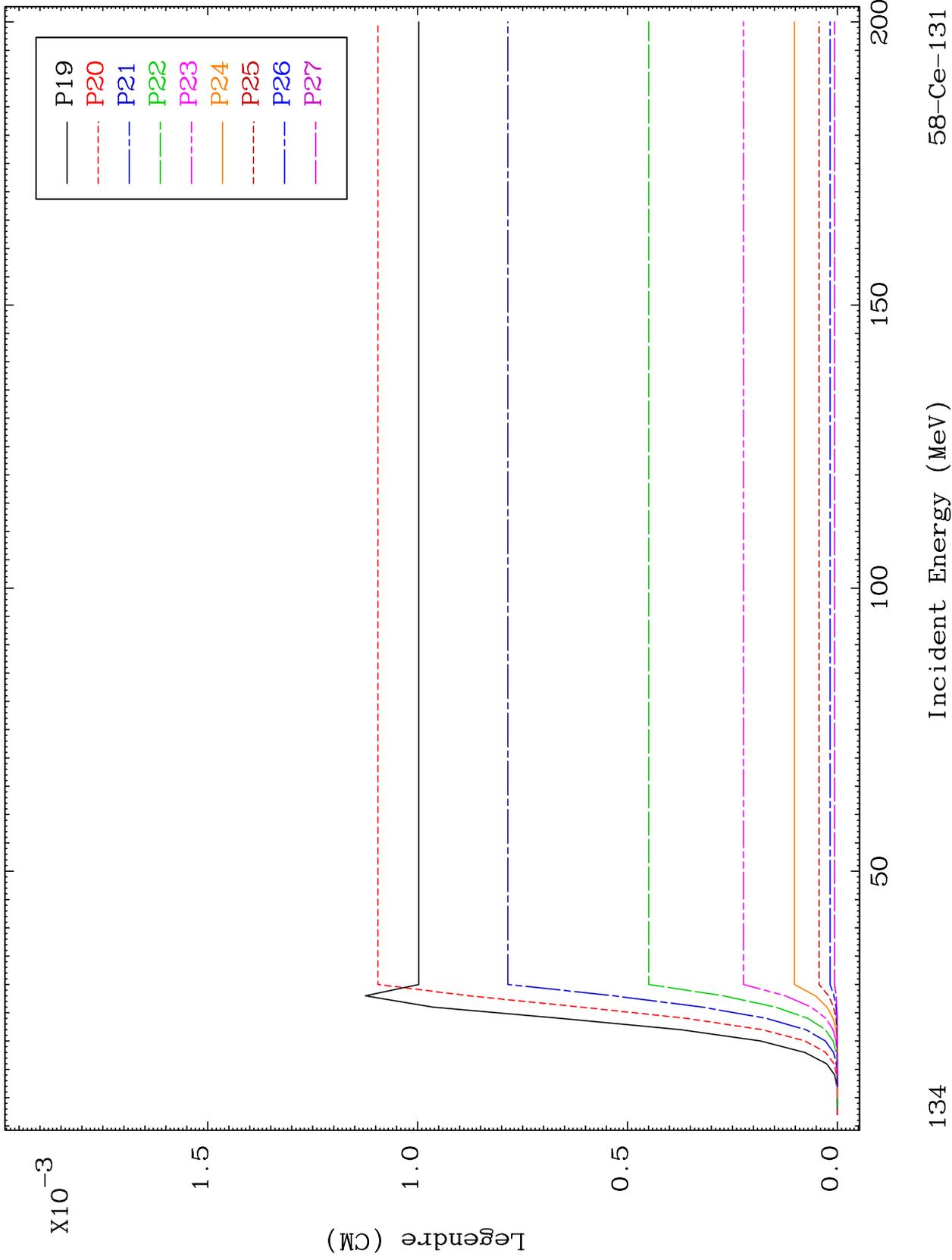


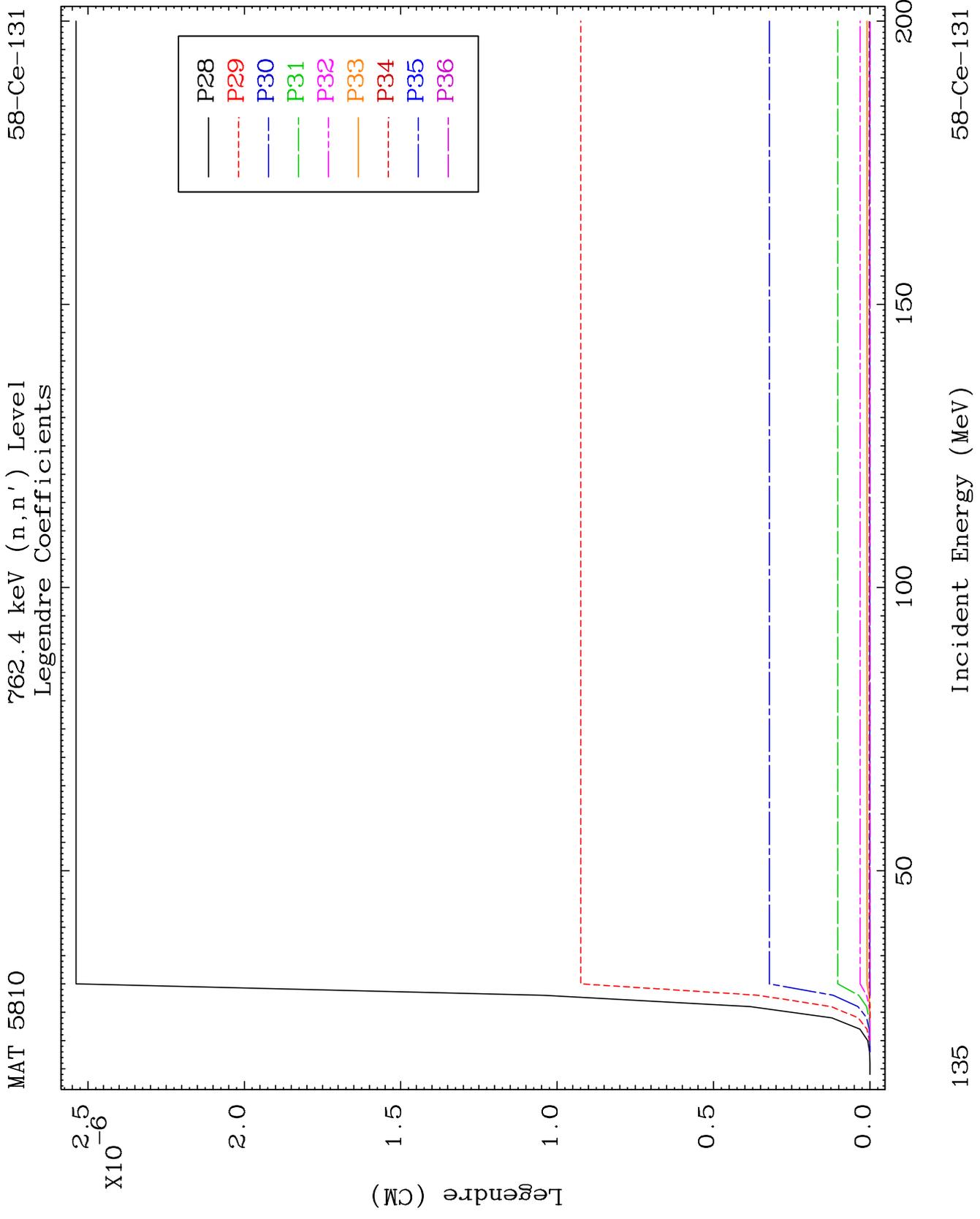


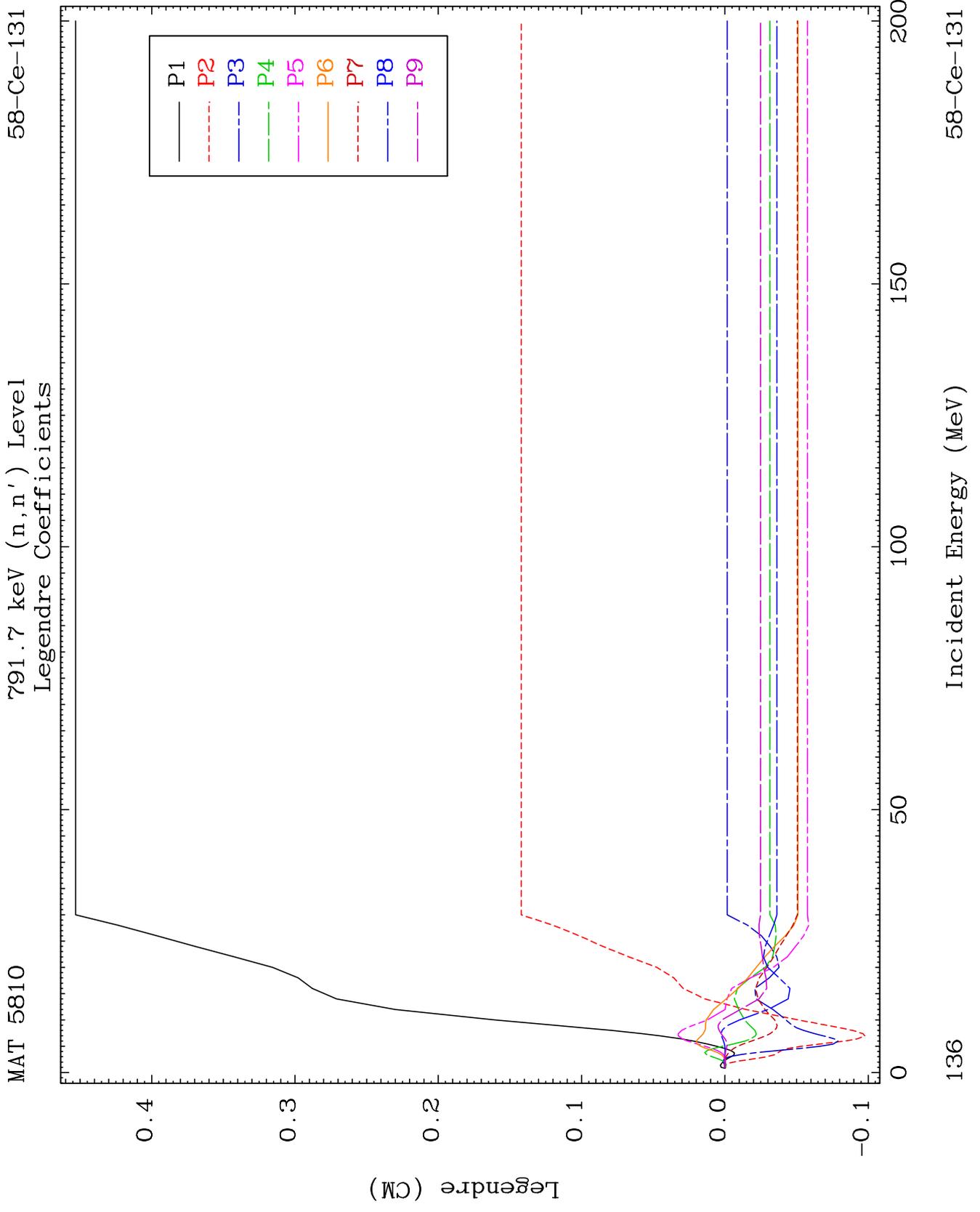
MAT 5810

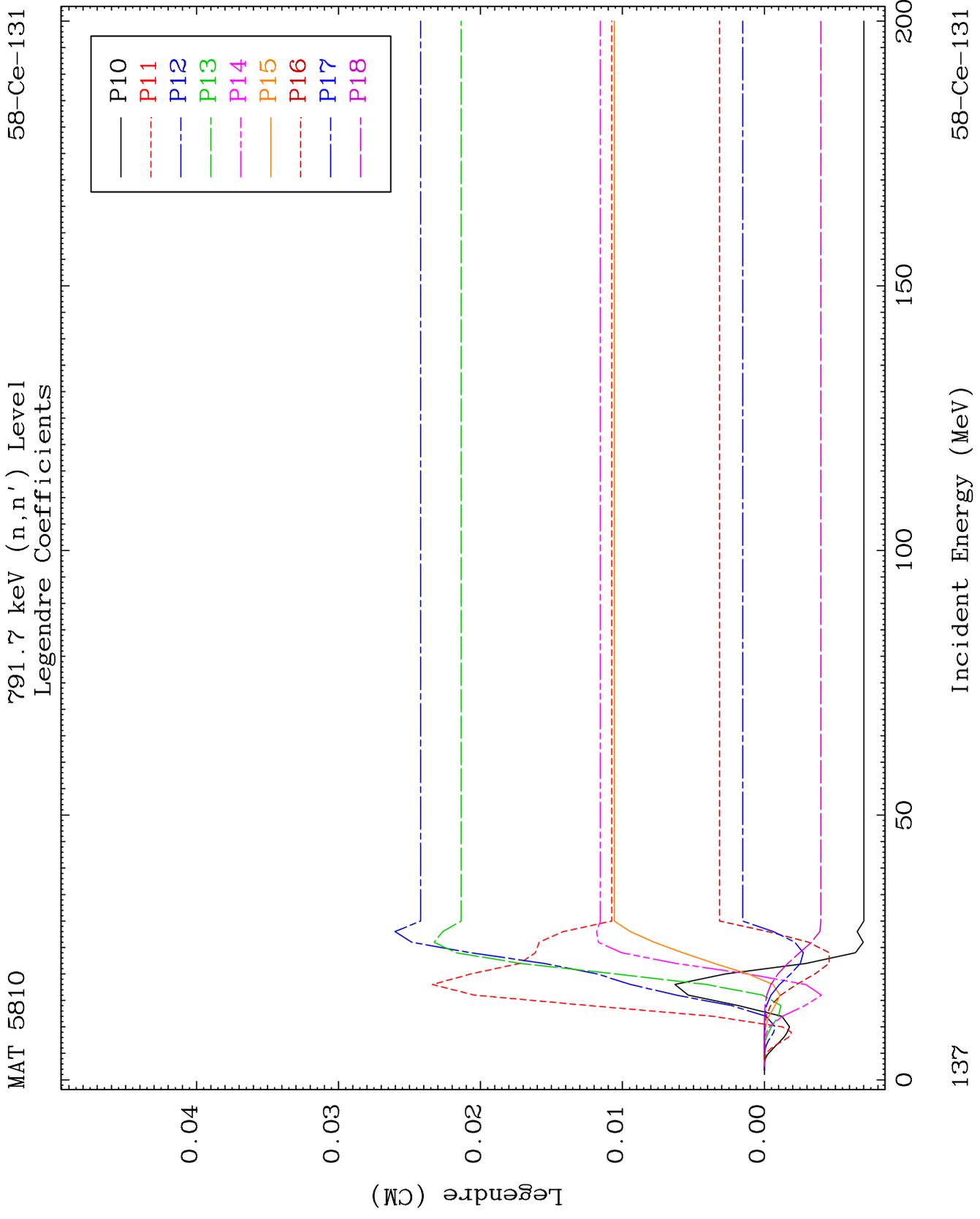
762.4 keV (n,n') Level
Legendre Coefficients

58-Ce-131





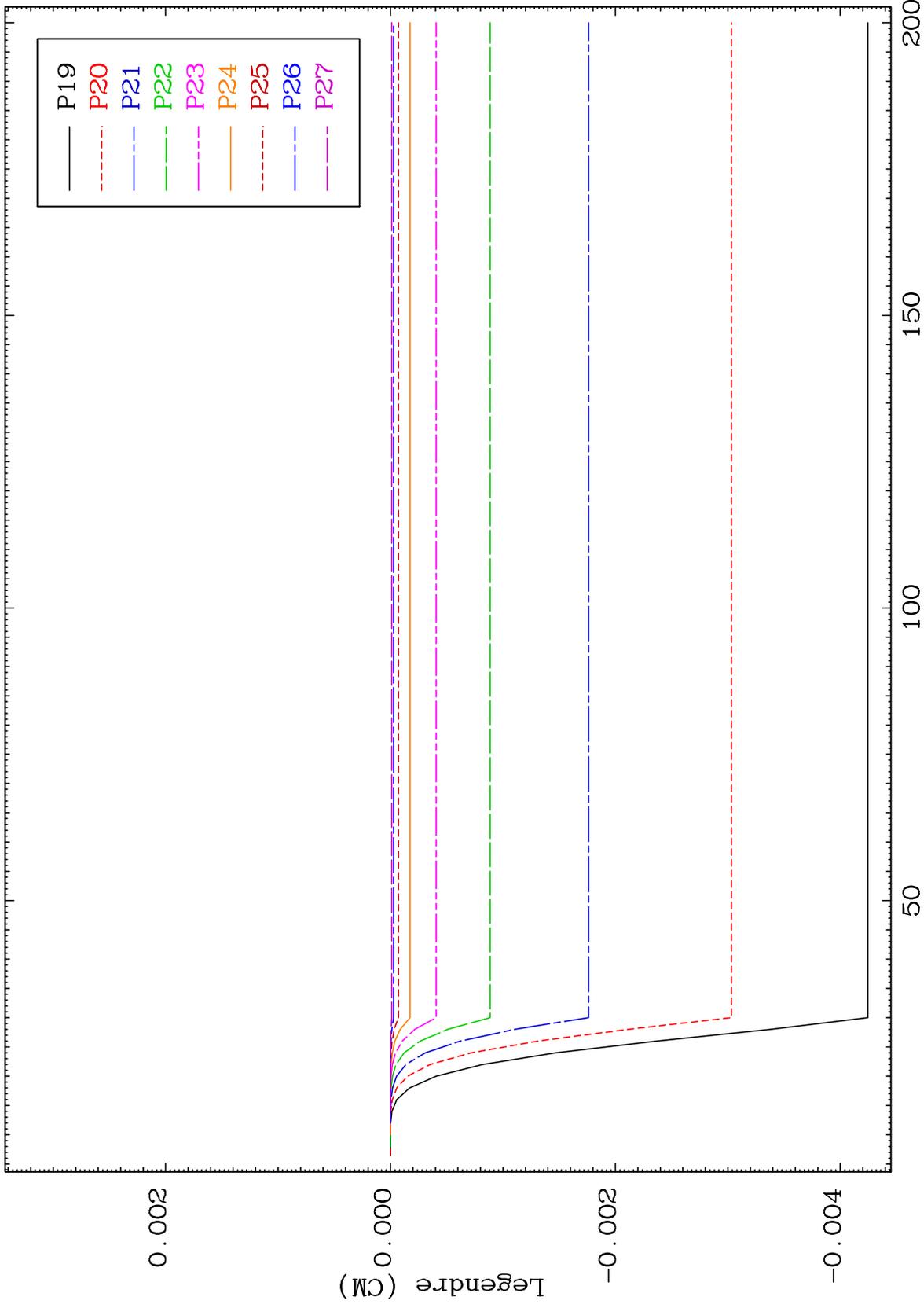




MAT 5810

791.7 keV (n,n') Level
Legendre Coefficients

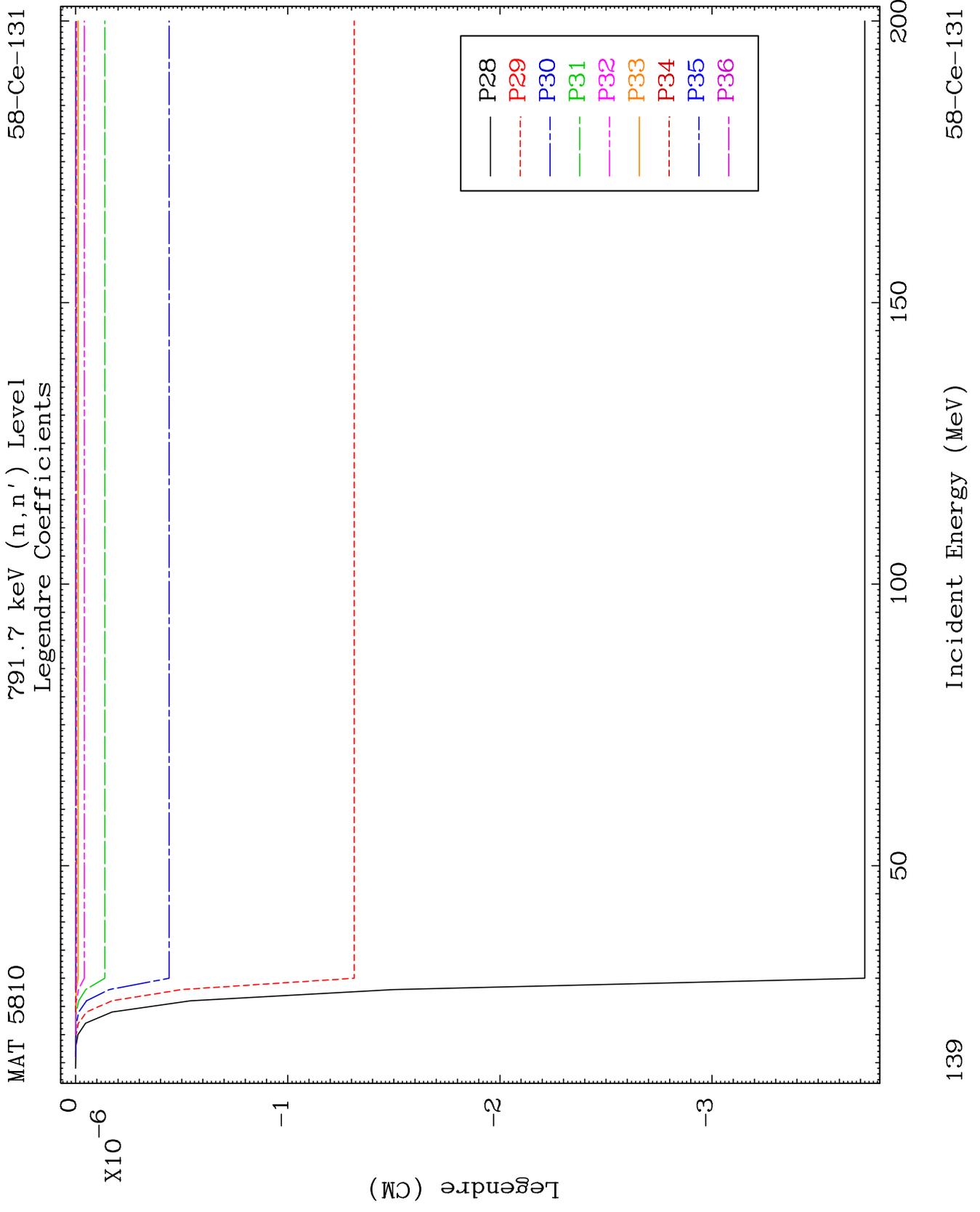
58-Ce-131



138

Incident Energy (MeV)

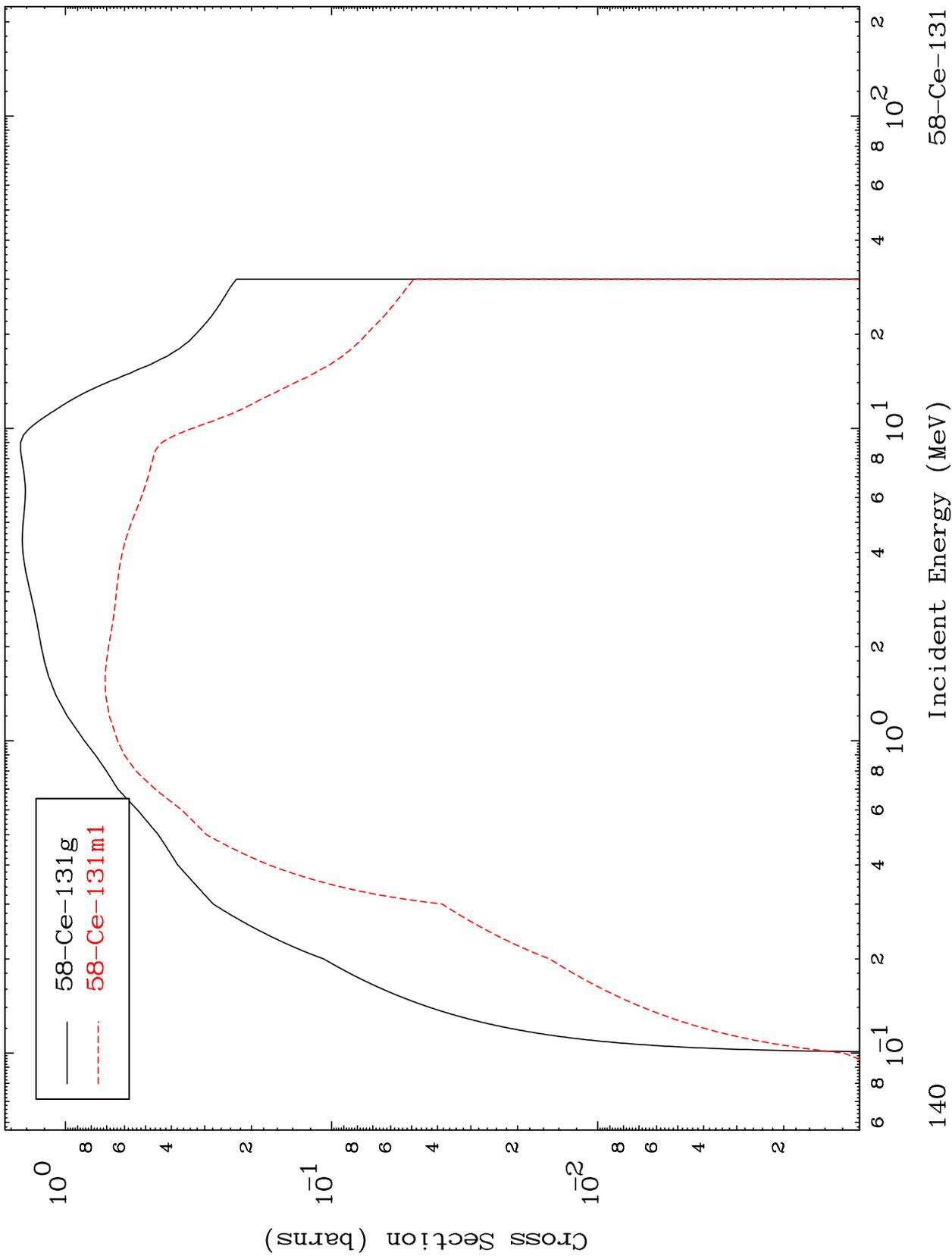
58-Ce-131



MAT 5810

58-Ce-131

Radionuclide Production Cross Section



58-Ce-131g
58-Ce-131m1

140

Incident Energy (MeV)

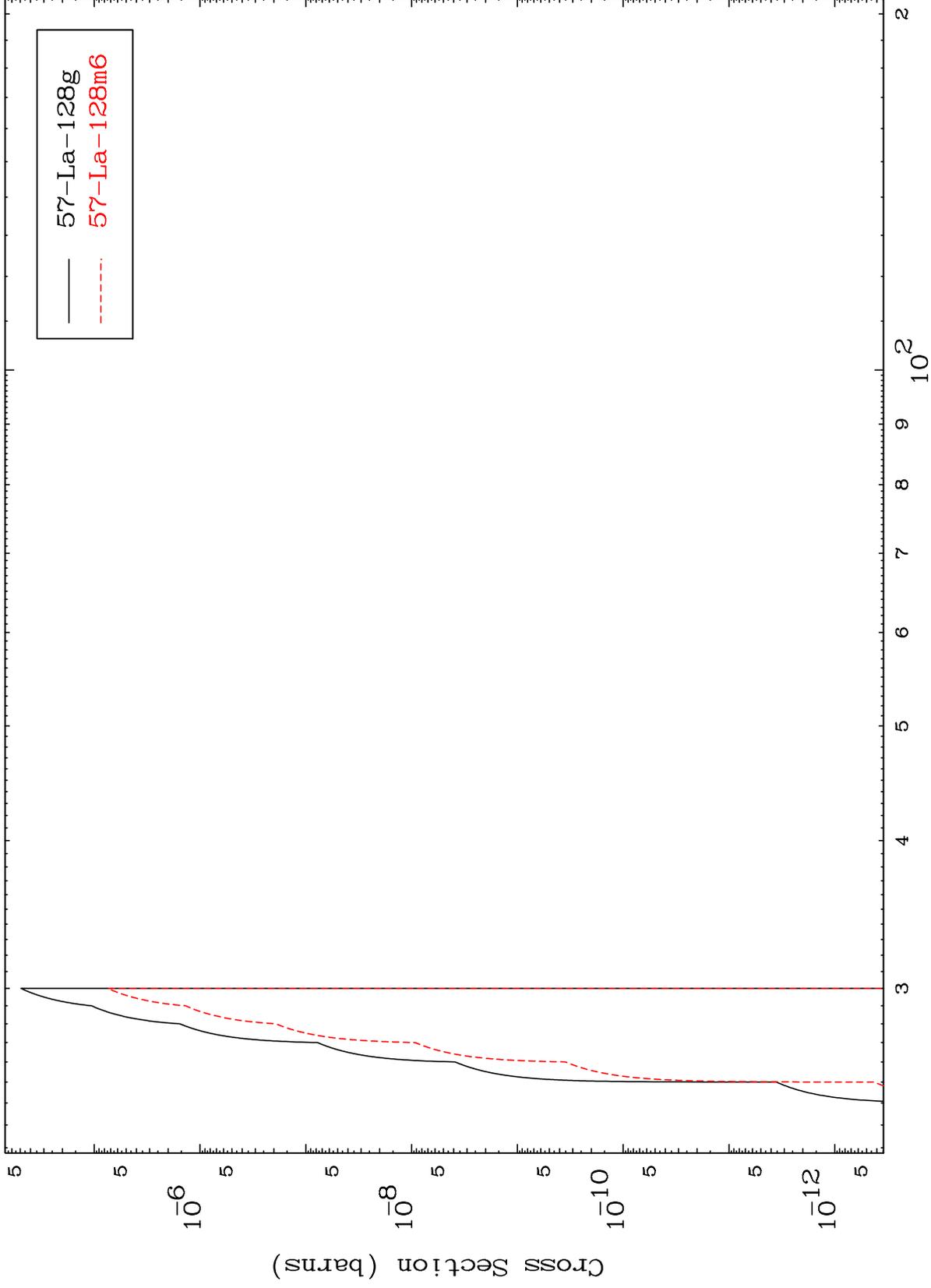
58-Ce-131

MAT 5810

(n,2n) d

58-Ce-131

Radionuclide Production Cross Section



141

Incident Energy (MeV)

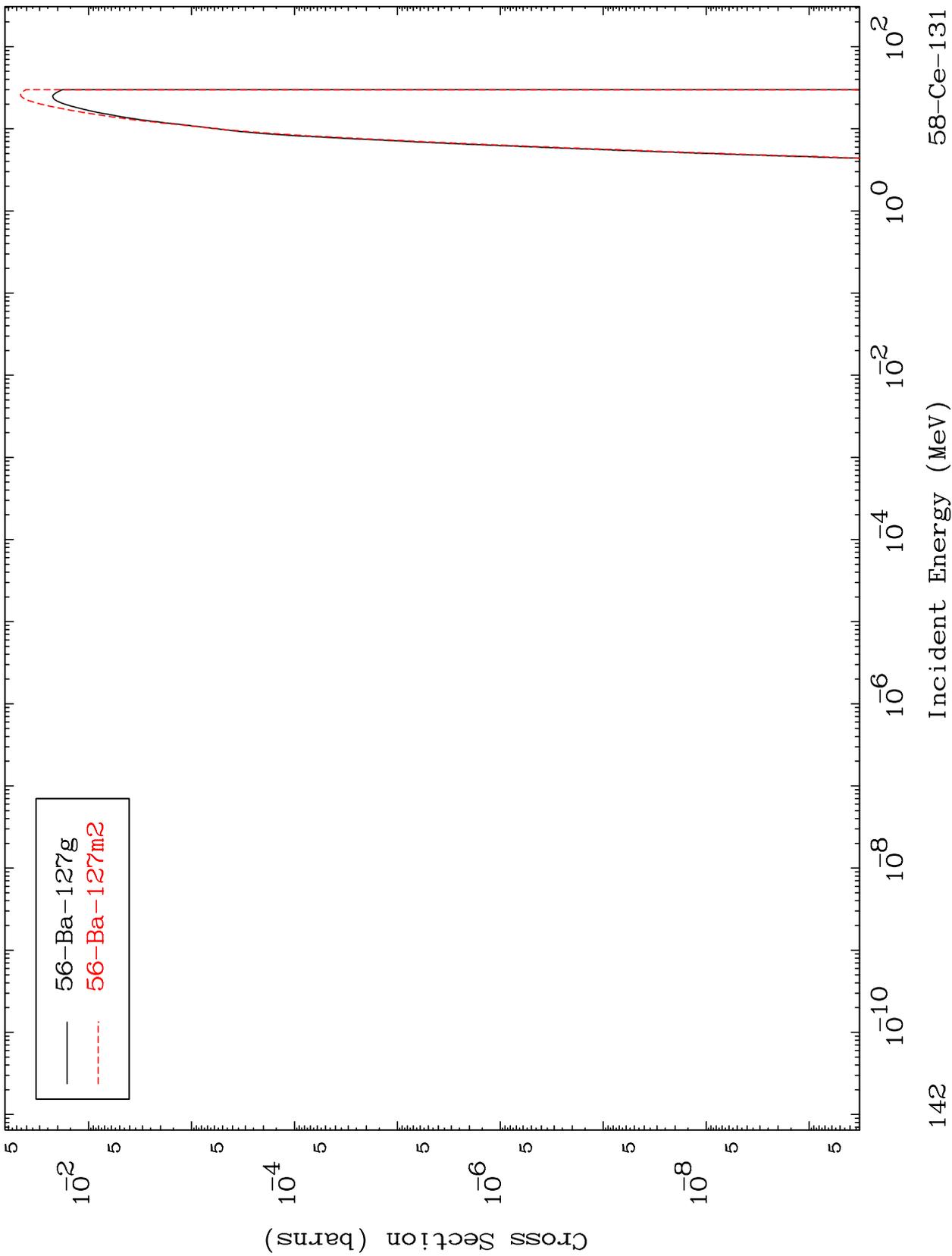
58-Ce-131

MAT 5810

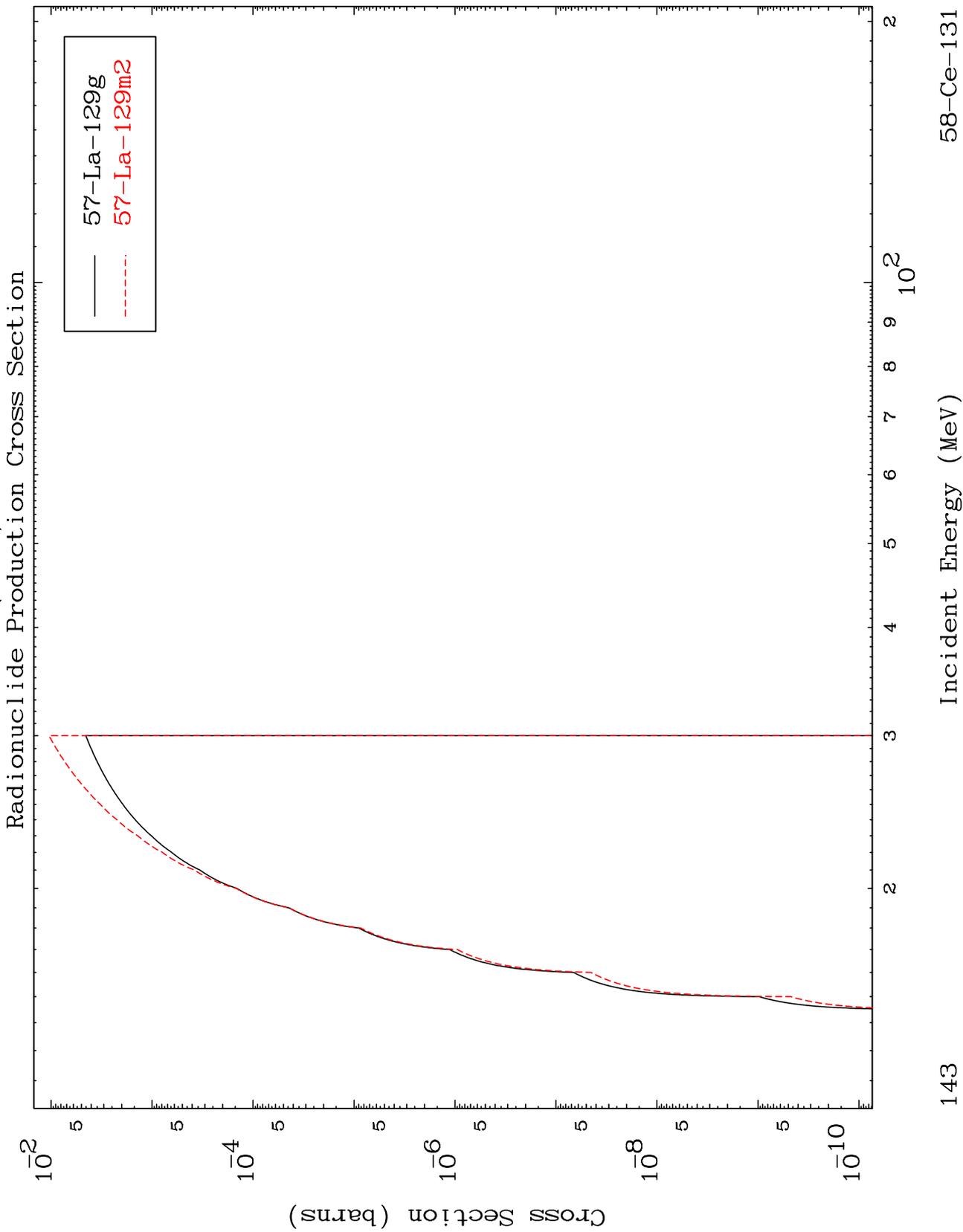
(n,n') α

58-Ce-131

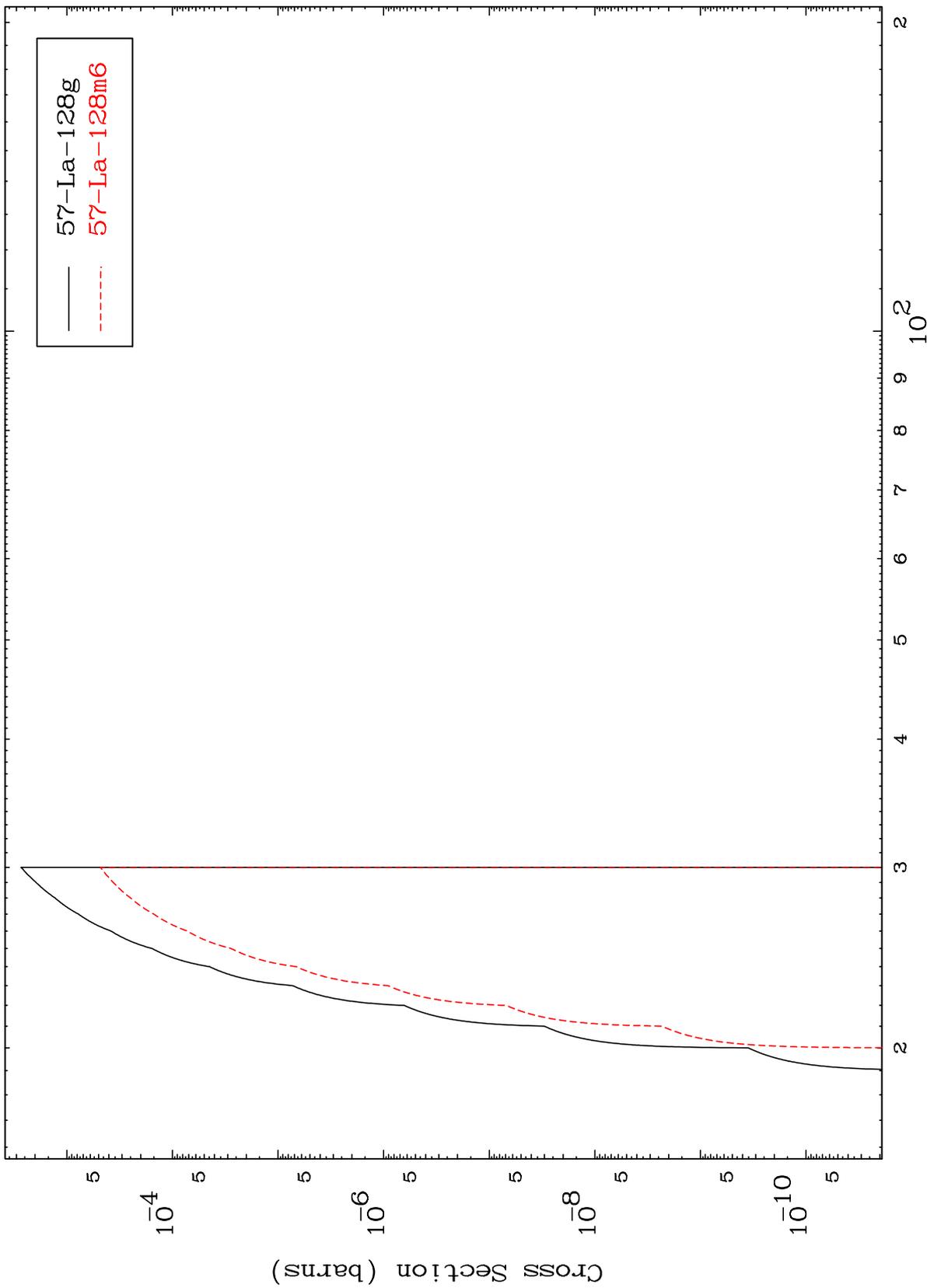
Radionuclide Production Cross Section



56-Ba-127g
56-Ba-127m2



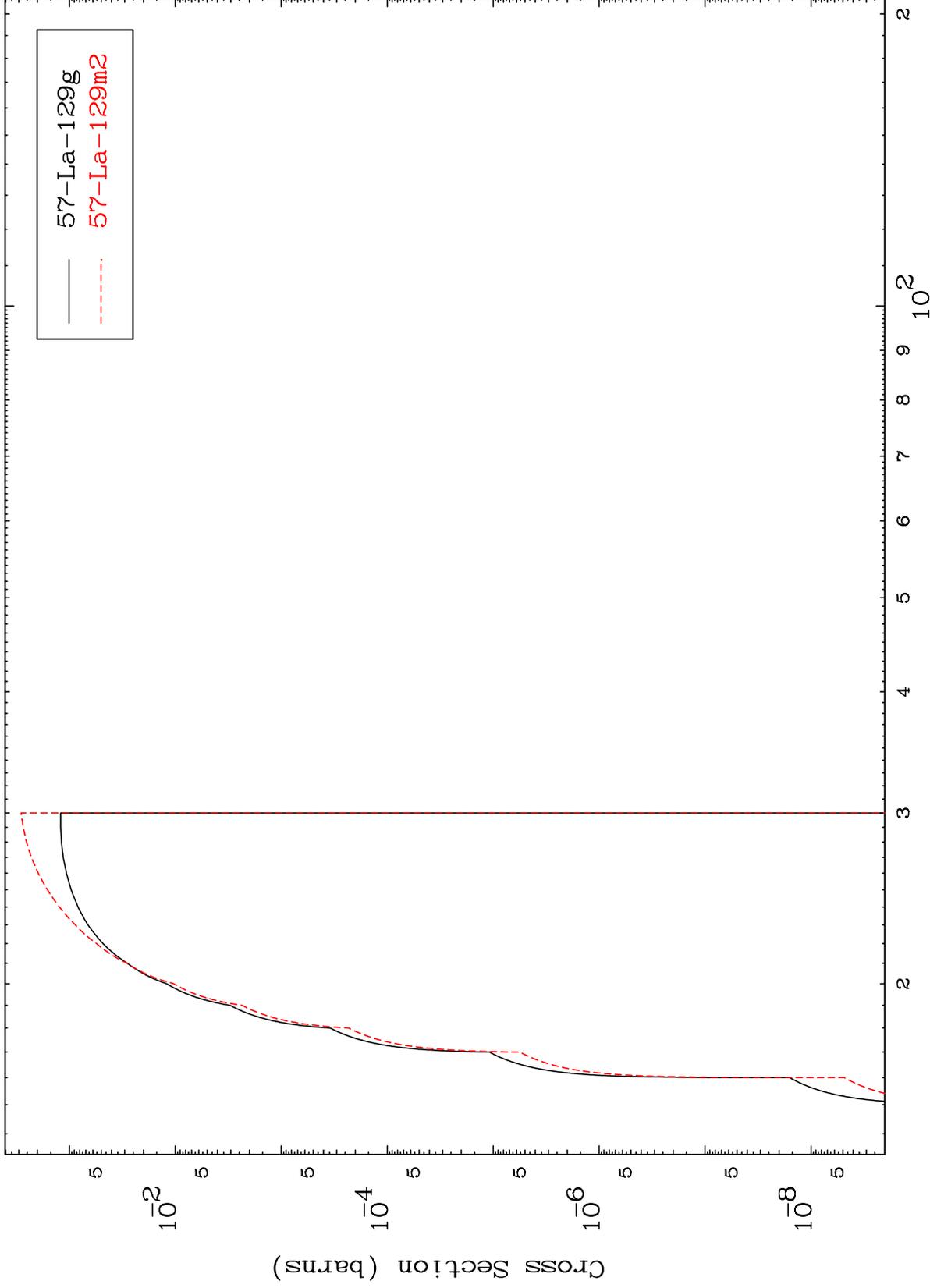
Radionuclide Production Cross Section



MAT 5810

58-Ce-131

(n,2n) p
Radionuclide Production Cross Section

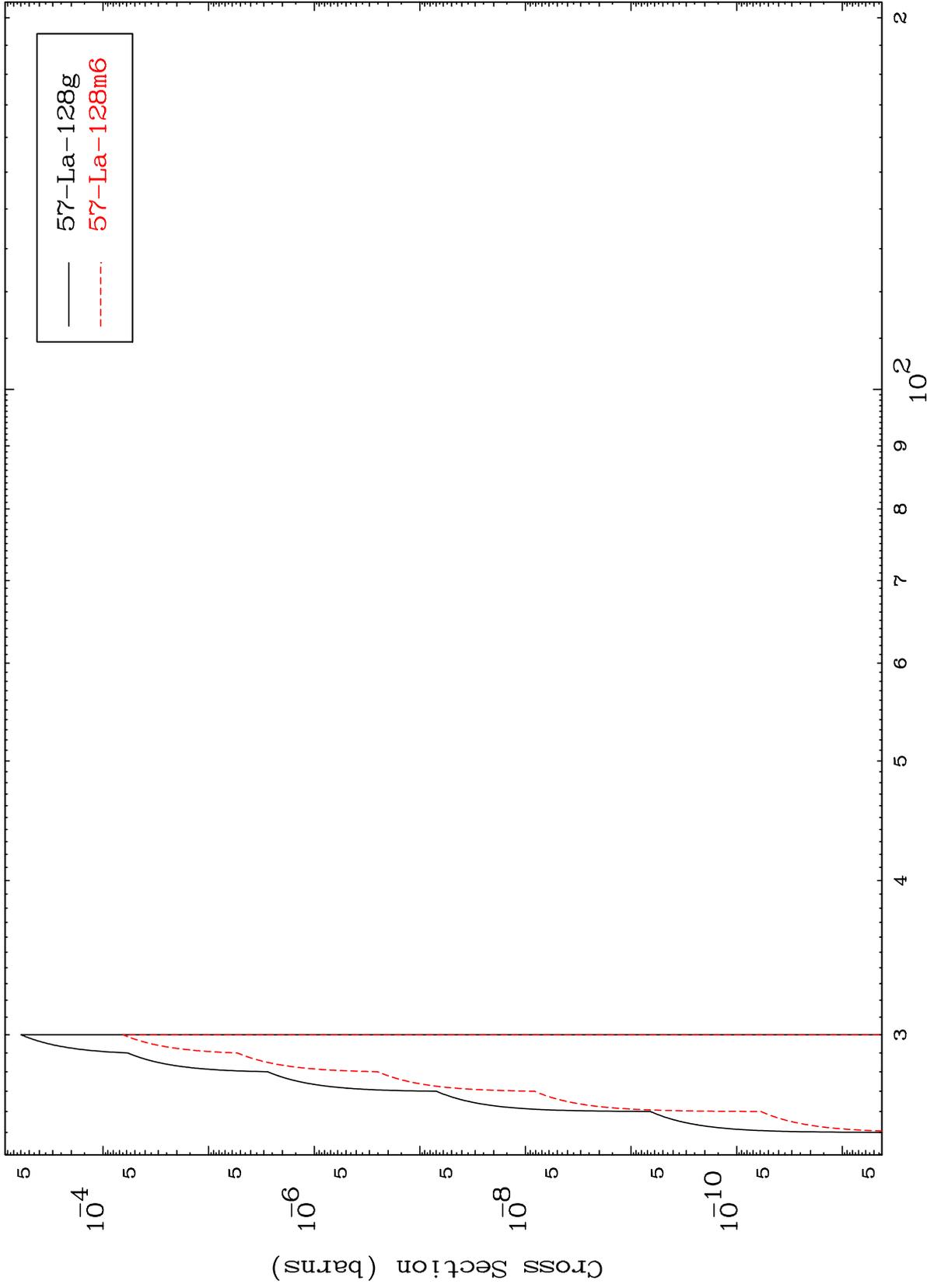


145

Incident Energy (MeV)

58-Ce-131

Radionuclide Production Cross Section

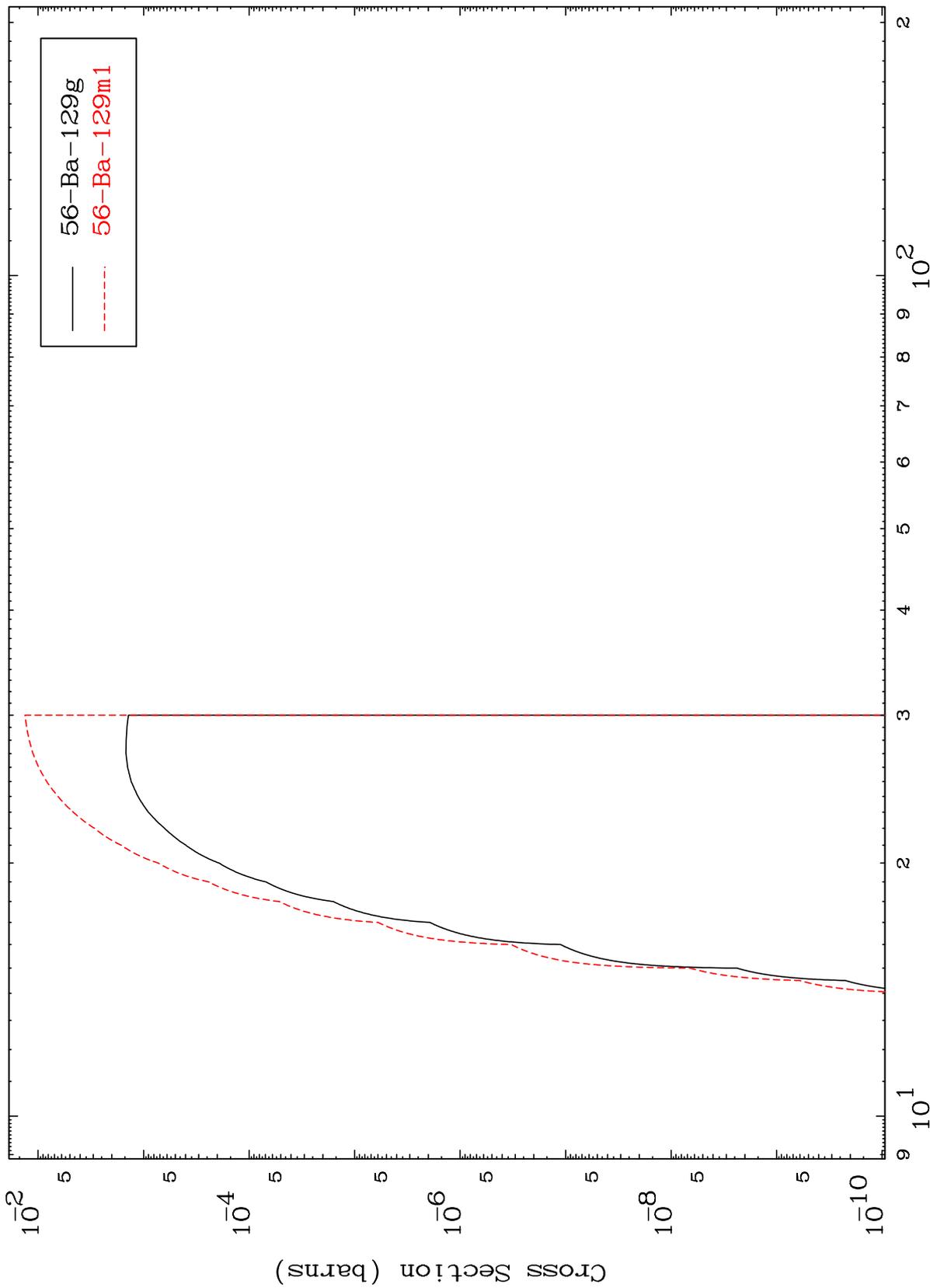


MAT 5810

(n,2n) p

58-Ce-131

Radionuclide Production Cross Section



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

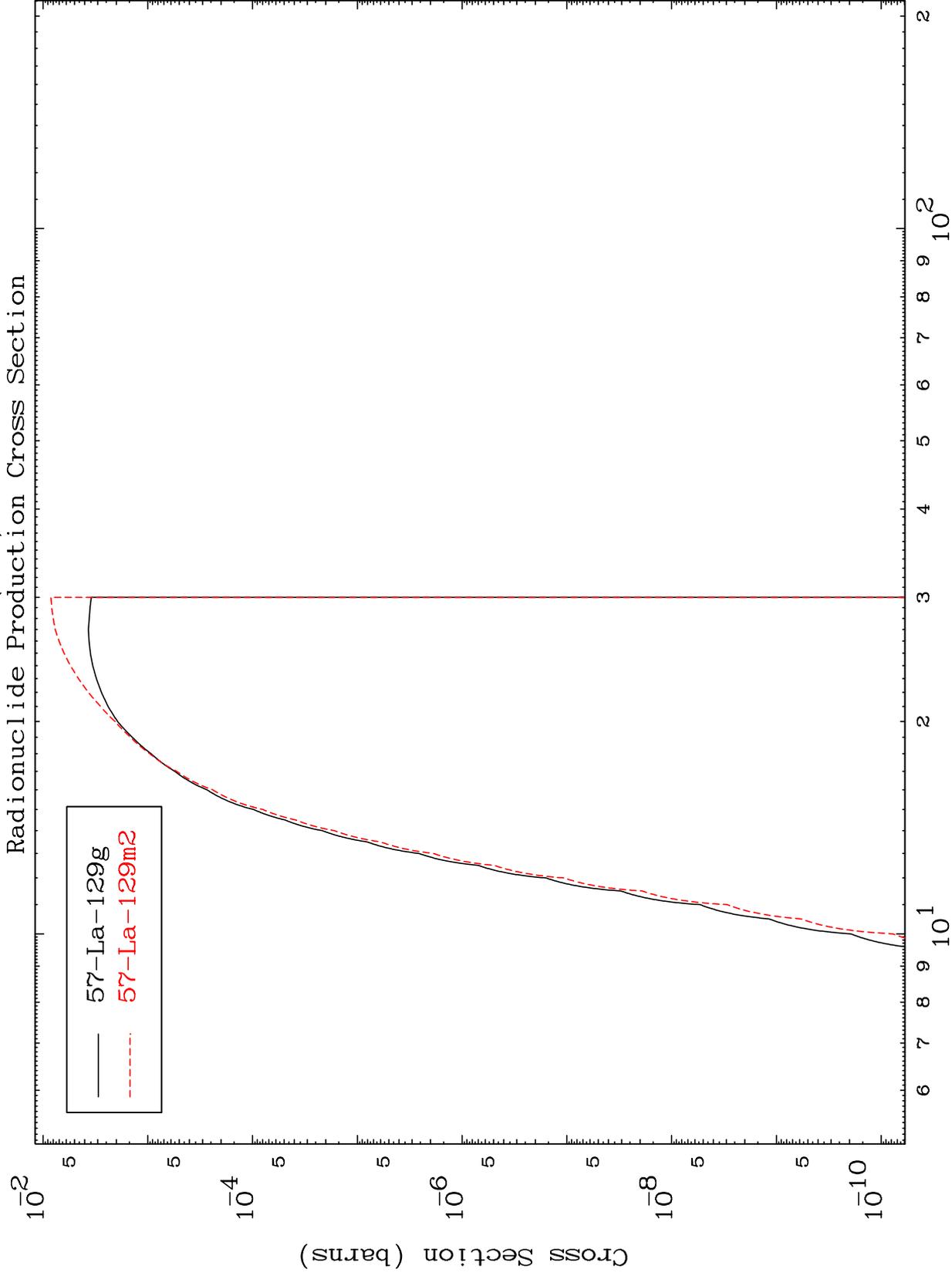
147

Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131



148

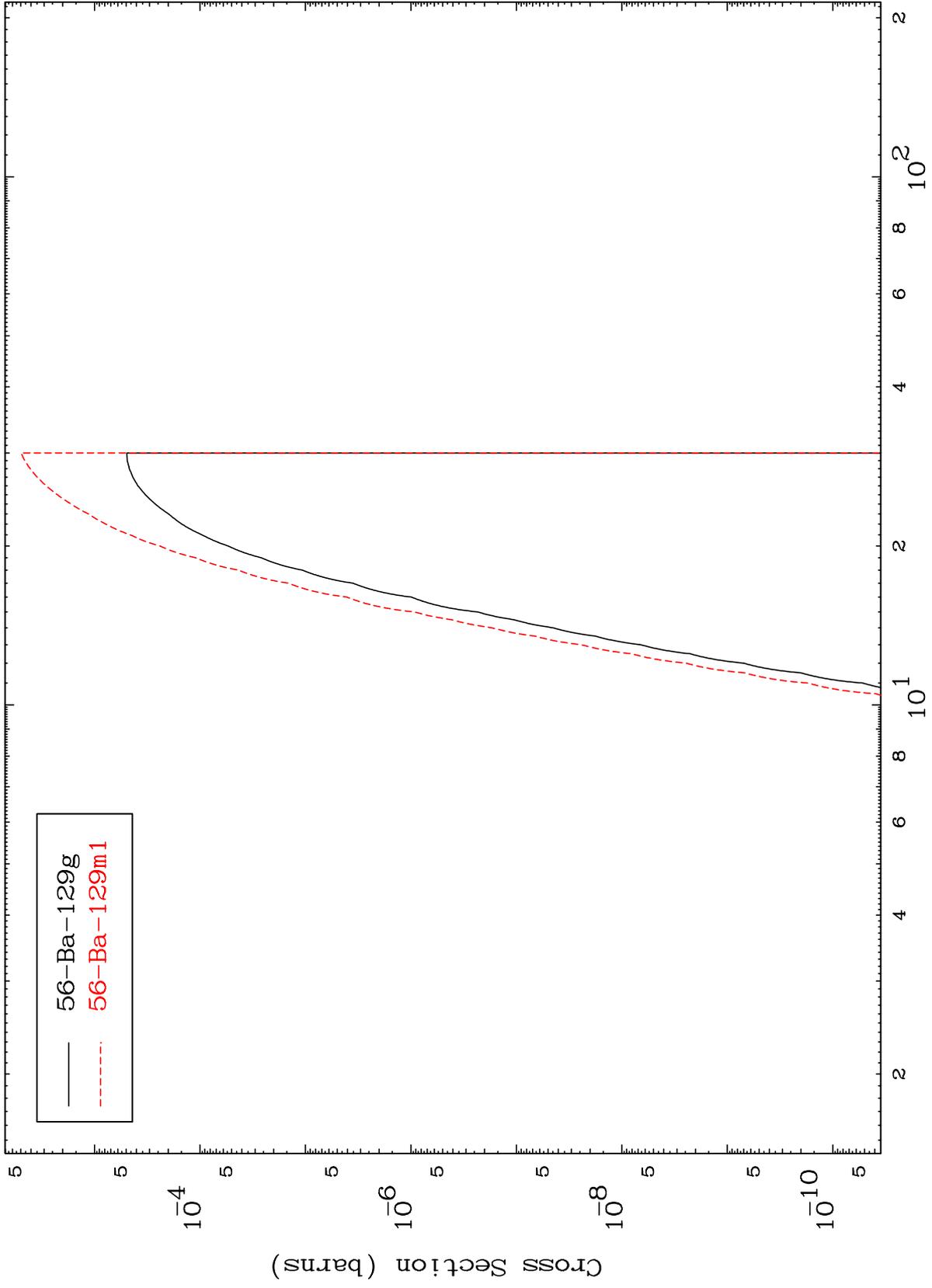
58-Ce-131

MAT 5810

(n,He-3)

58-Ce-131

Radionuclide Production Cross Section



149

Incident Energy (MeV)

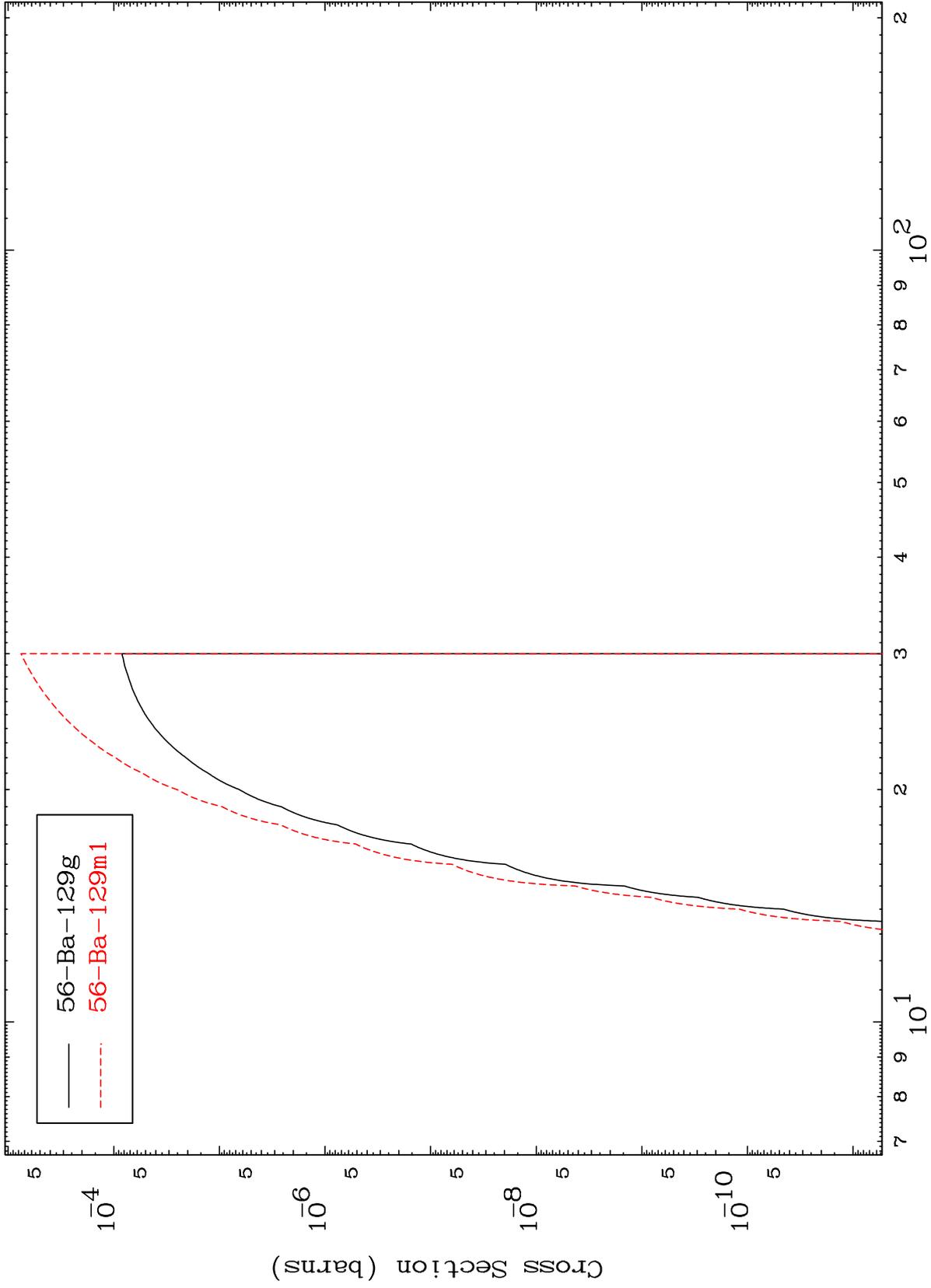
58-Ce-131

MAT 5810

(n,p) d

58-Ce-131

Radionuclide Production Cross Section



150

Incident Energy (MeV)

58-Ce-131