

Program EVALPLOT
(Version 2015-2)

by

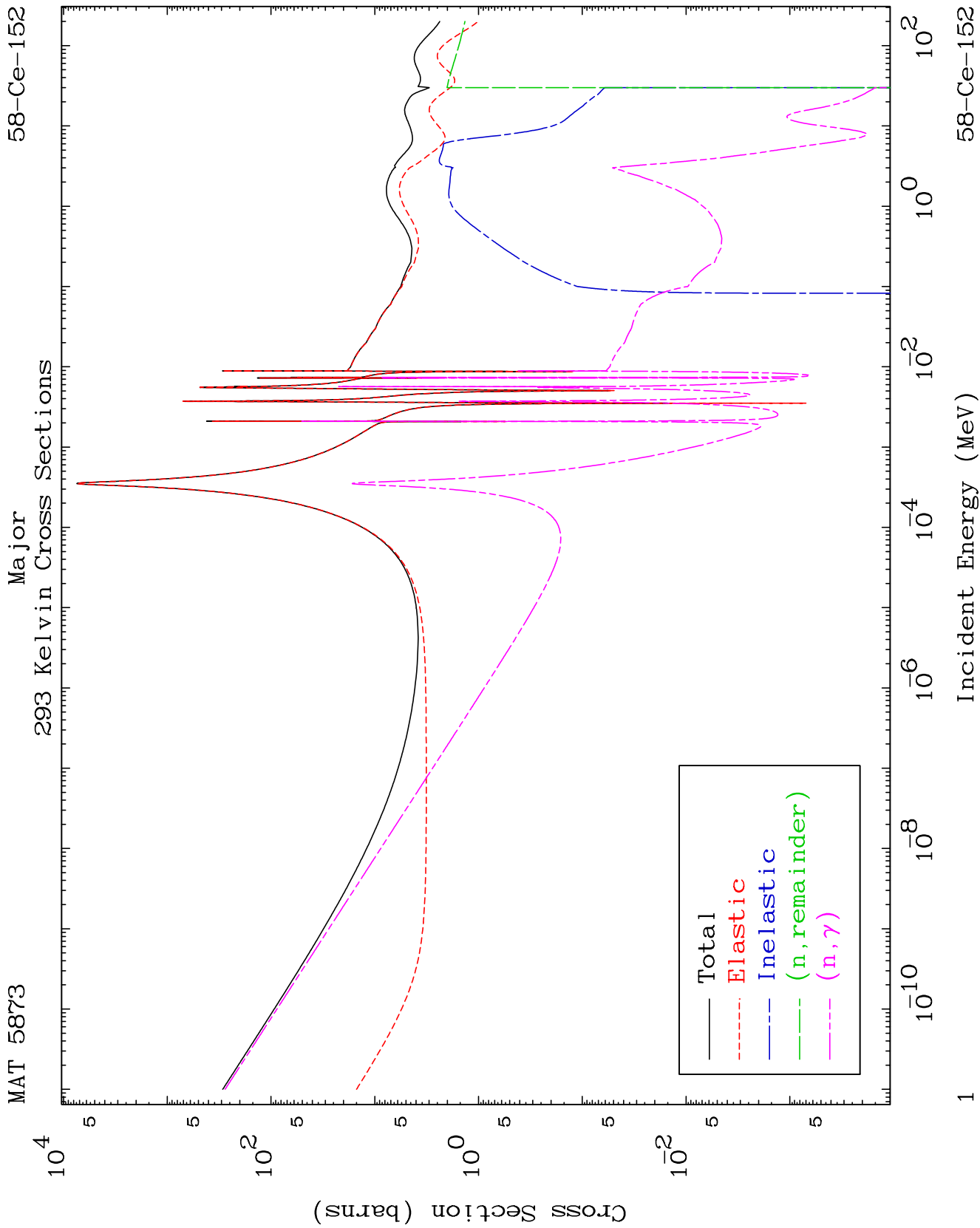
Dermott E. Cullen
(Present Contact Information)

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

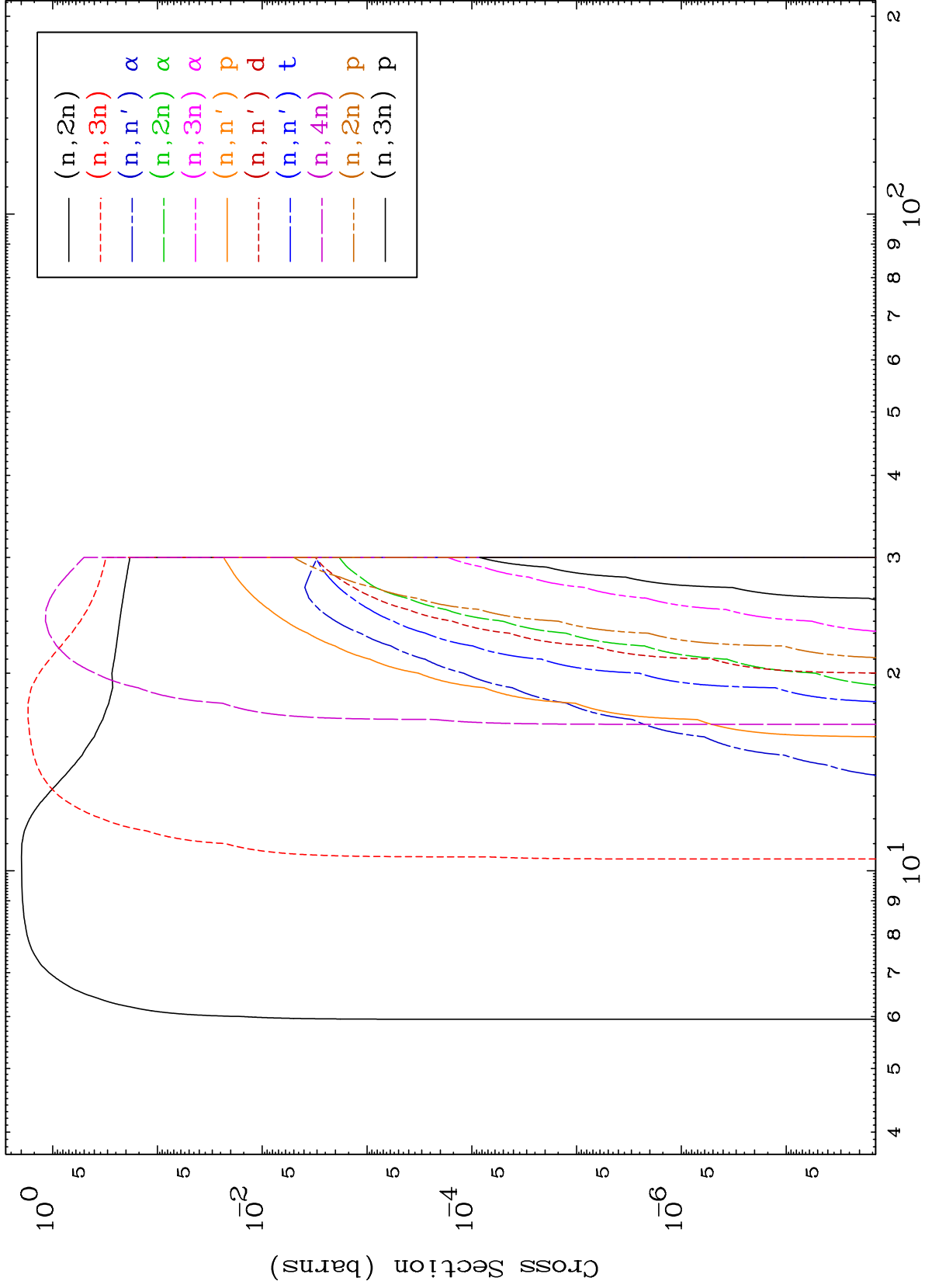
Press Mouse Button to Start

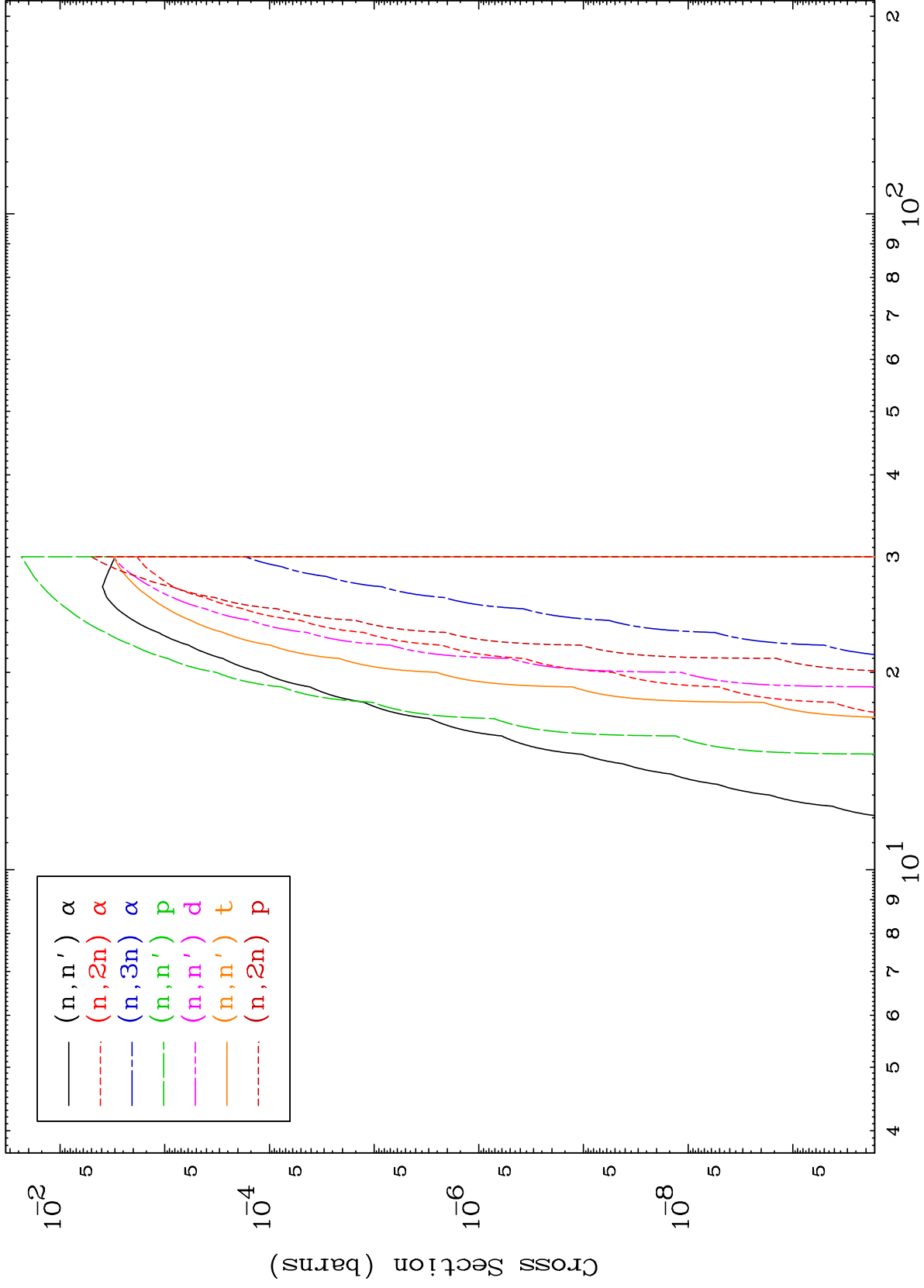


MAT 5873

Neutron Production
293 Kelvin Cross Sections

58-Ce-152



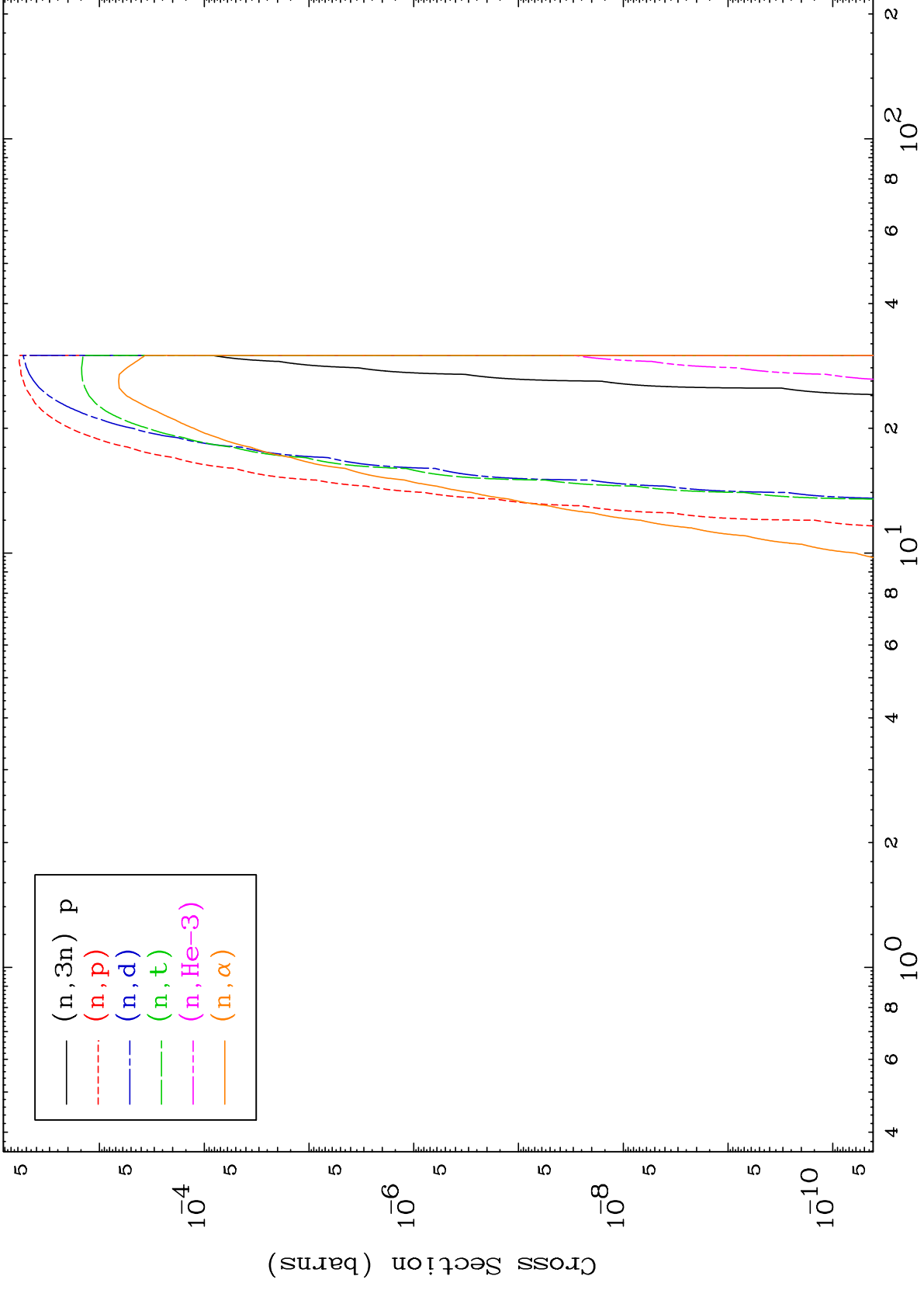


MAT 5873

Charged Particle

58-Ce-152

293 Kelvin Cross Sections

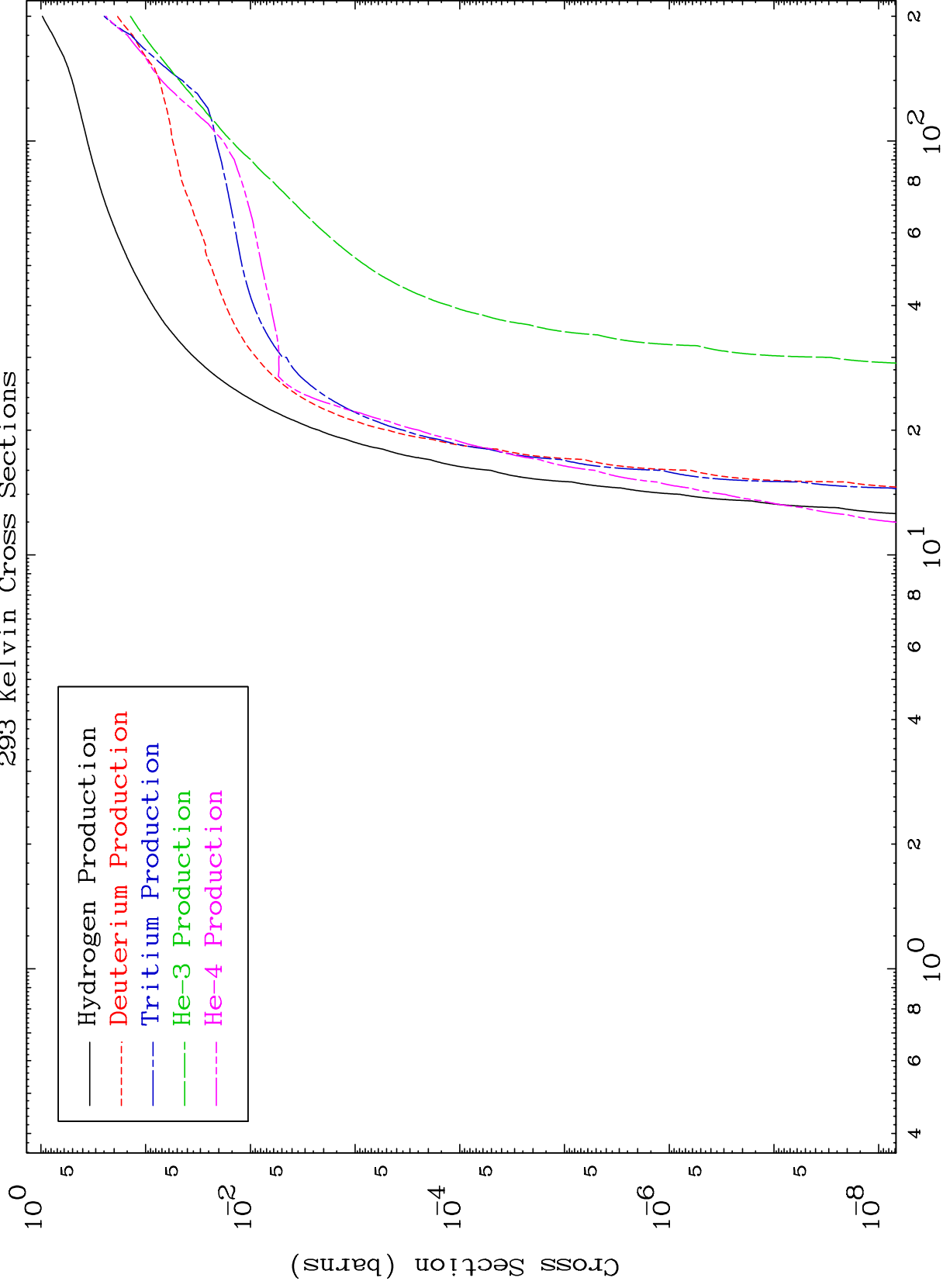


- (n, 3n) p
- (n, p)
- (n, d)
- (n, t)
- (n, He-3)
- (n, alpha)

MAT 5873

Particle Production
293 Kelvin Cross Sections

58-Ce-152



5

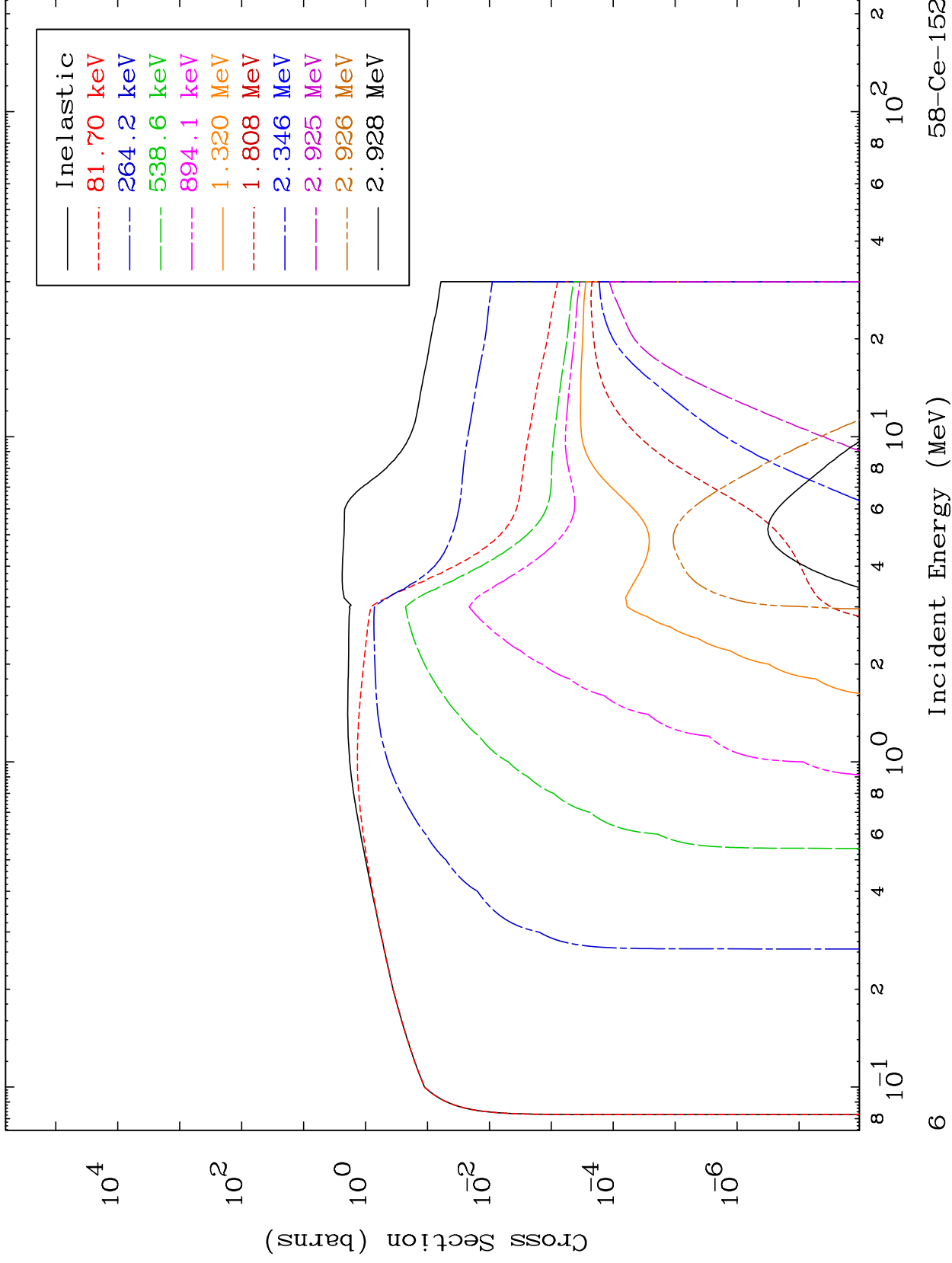
Incident Energy (MeV)

58-Ce-152

MAT 5873

(n,n') Level
293 Kelvin Cross Sections

58-Ce-152



58-Ce-152

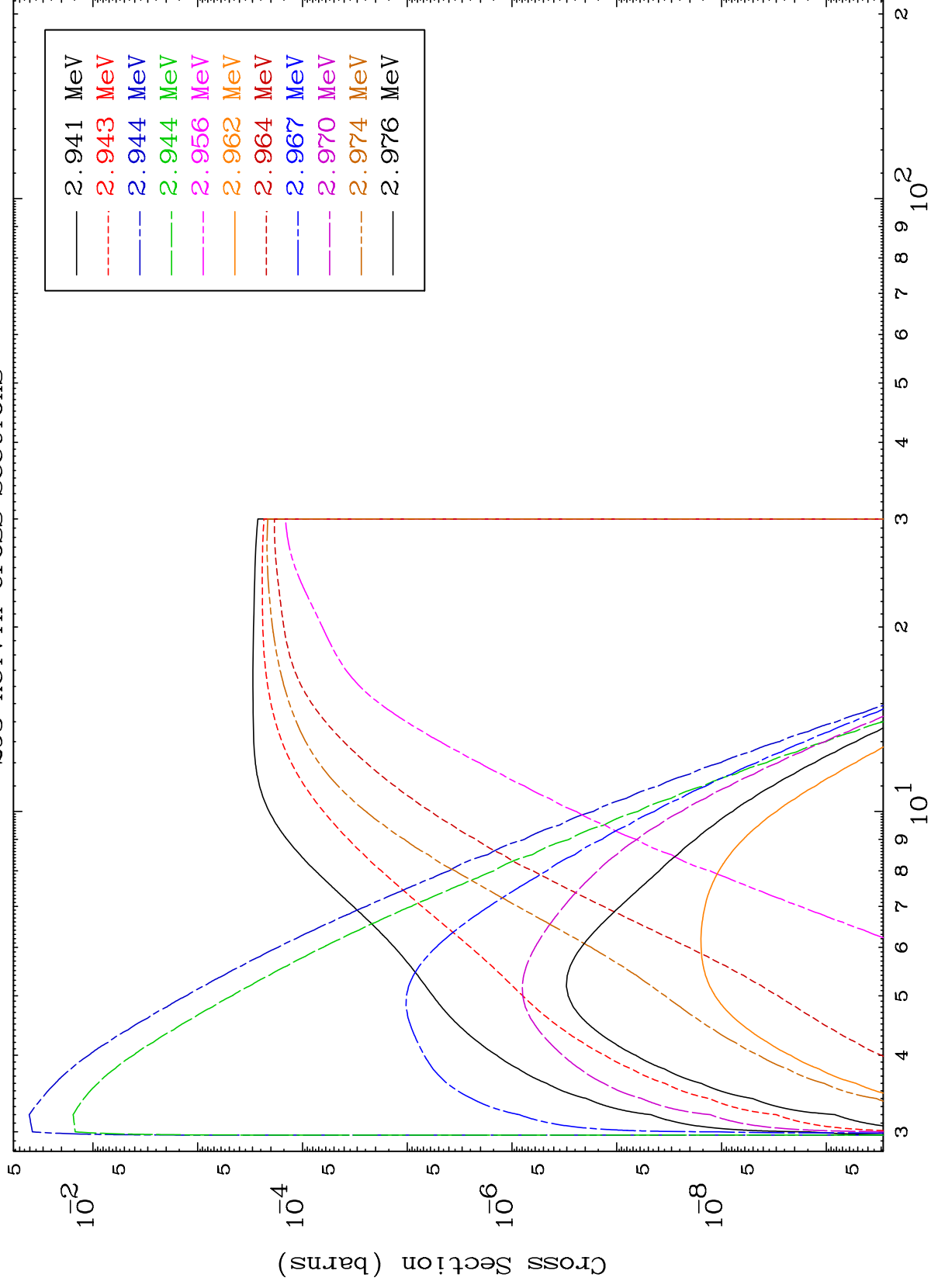
Incident Energy (MeV)

6

MAT 5873

(n,n') Level
293 Kelvin Cross Sections

58-Ce-152



7

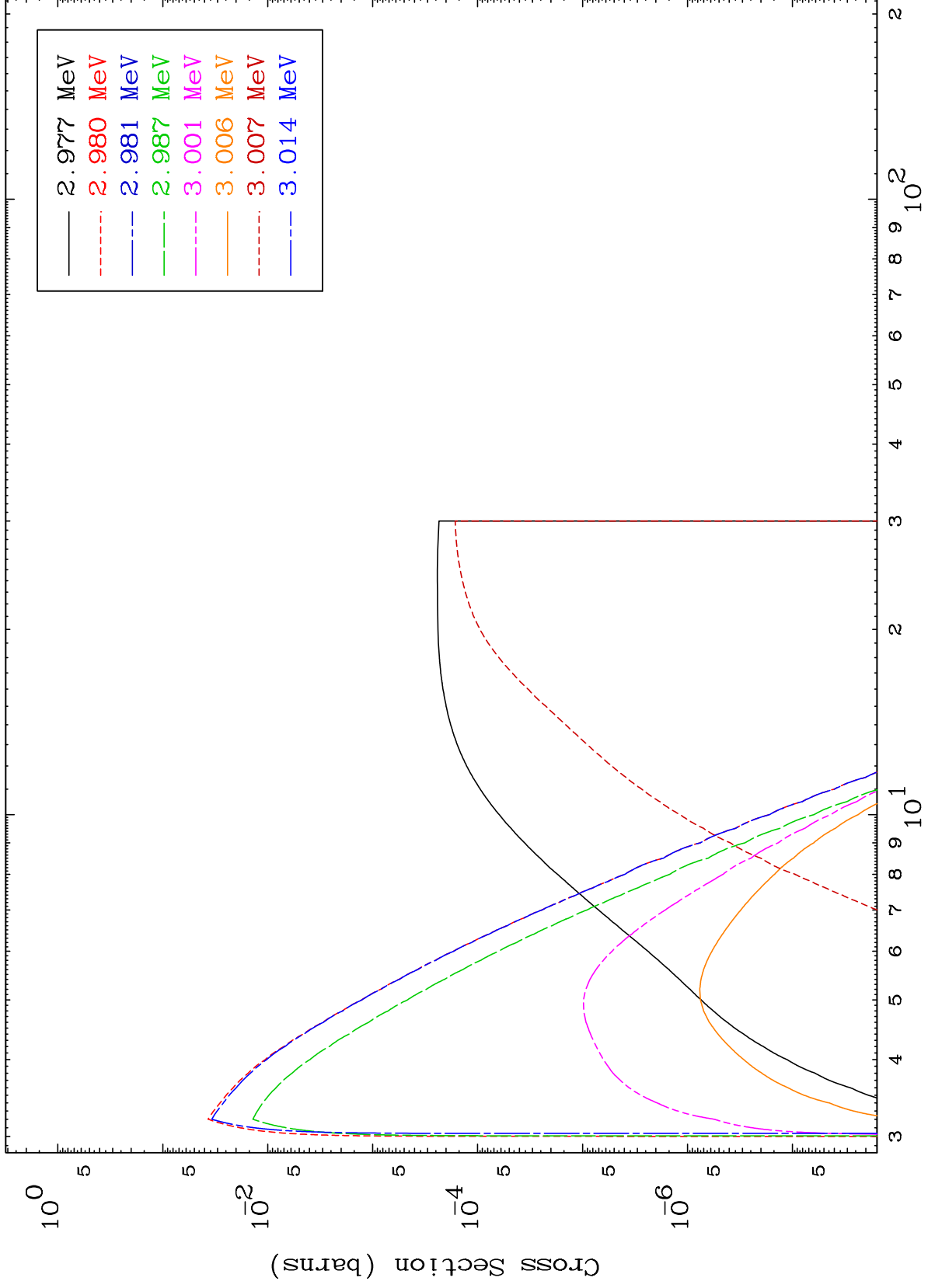
Incident Energy (MeV)

58-Ce-152

MAT 5873

(n,n') Level
293 Kelvin Cross Sections

58-Ce-152



8

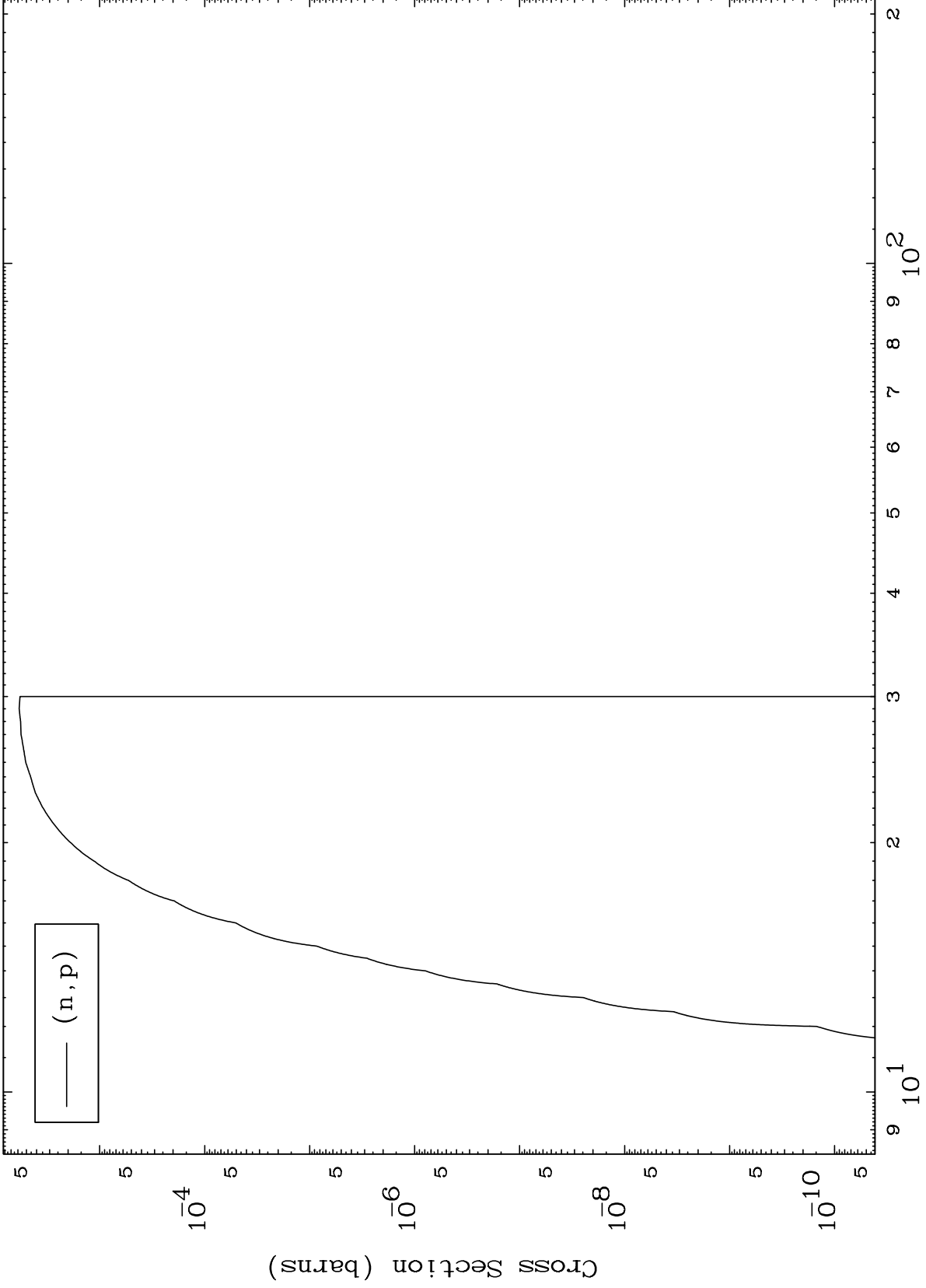
Incident Energy (MeV)

58-Ce-152

MAT 5873

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-152



9

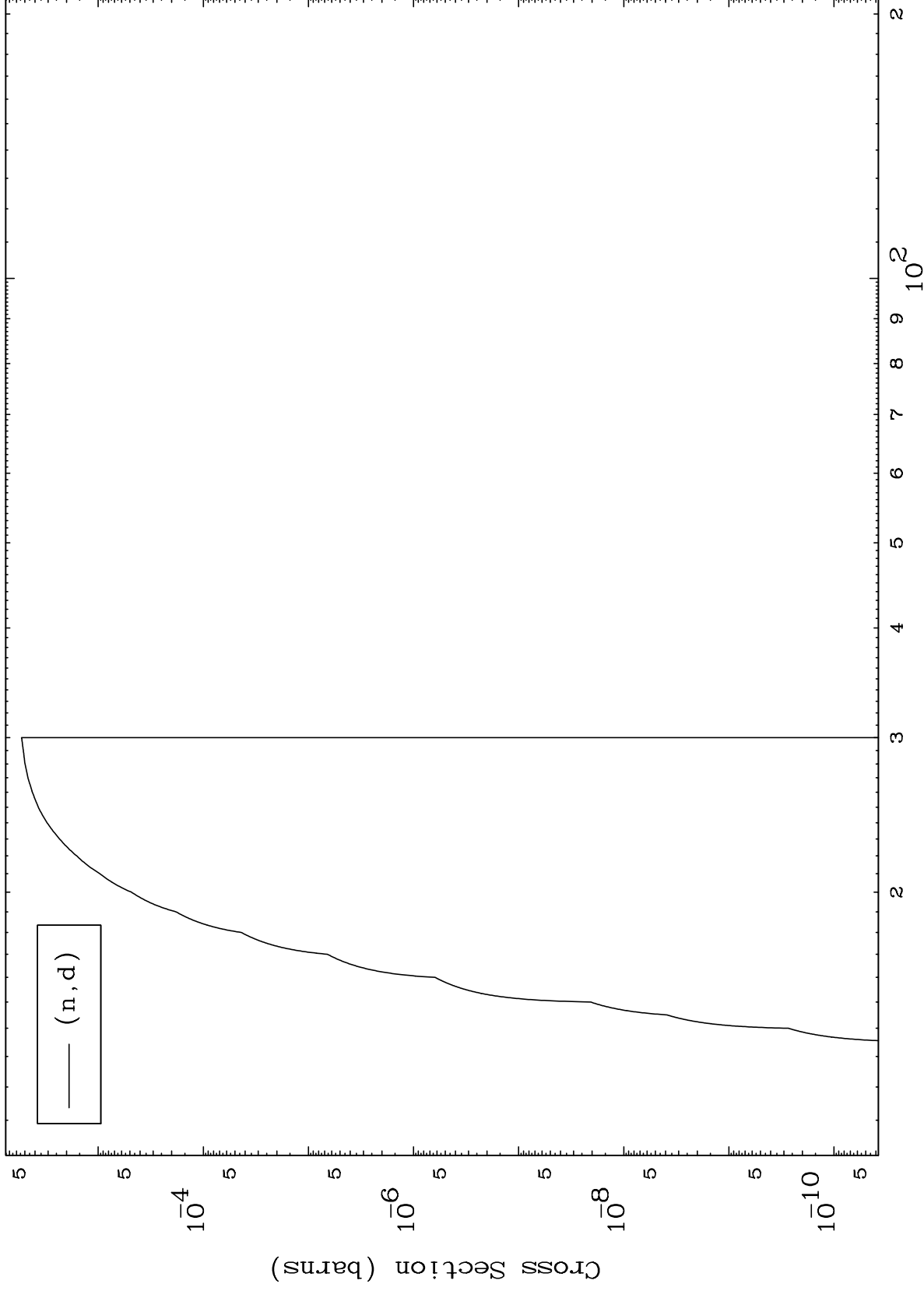
Incident Energy (MeV)

58-Ce-152

MAT 5873

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-152



10

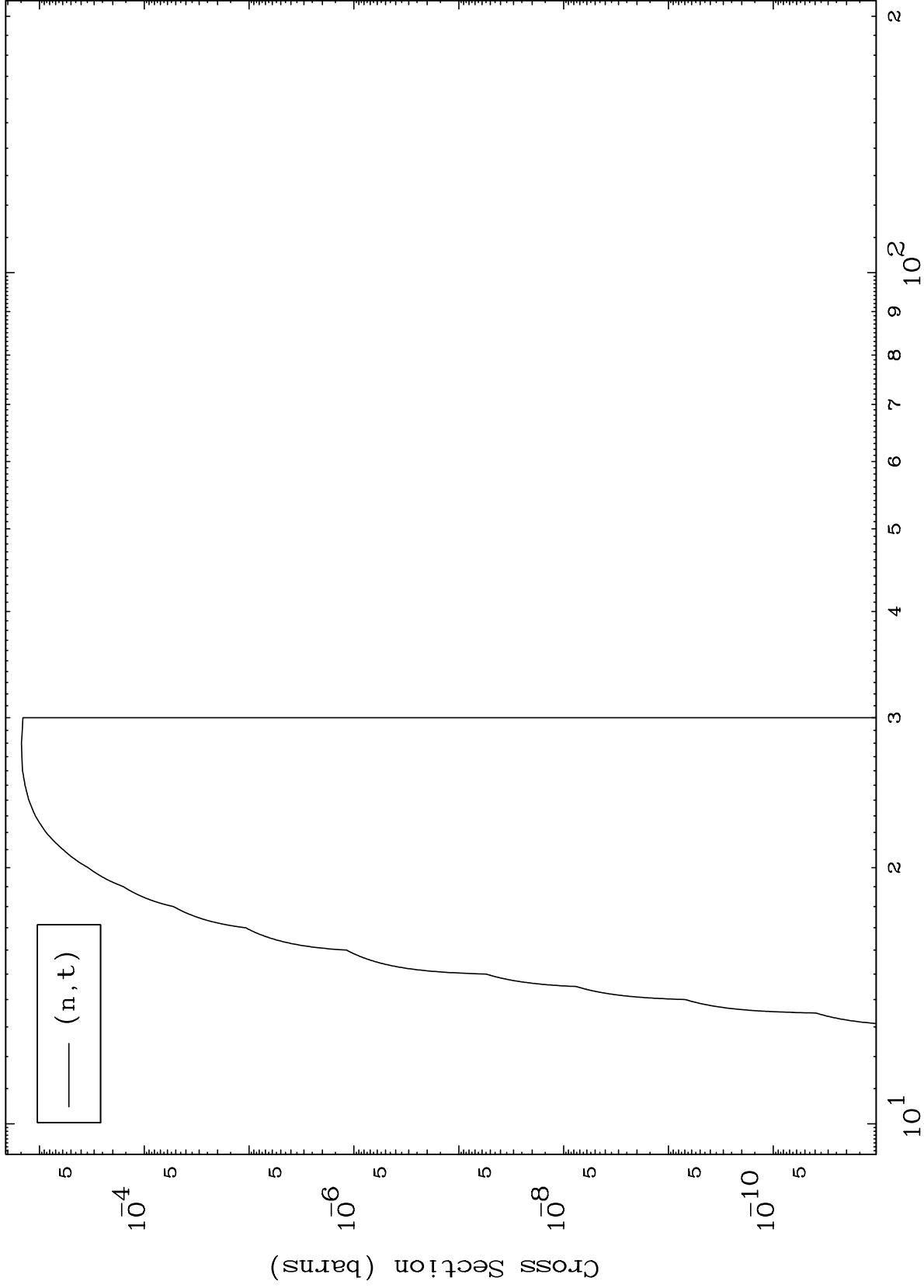
Incident Energy (MeV)

58-Ce-152

MAT 5873

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-152



11

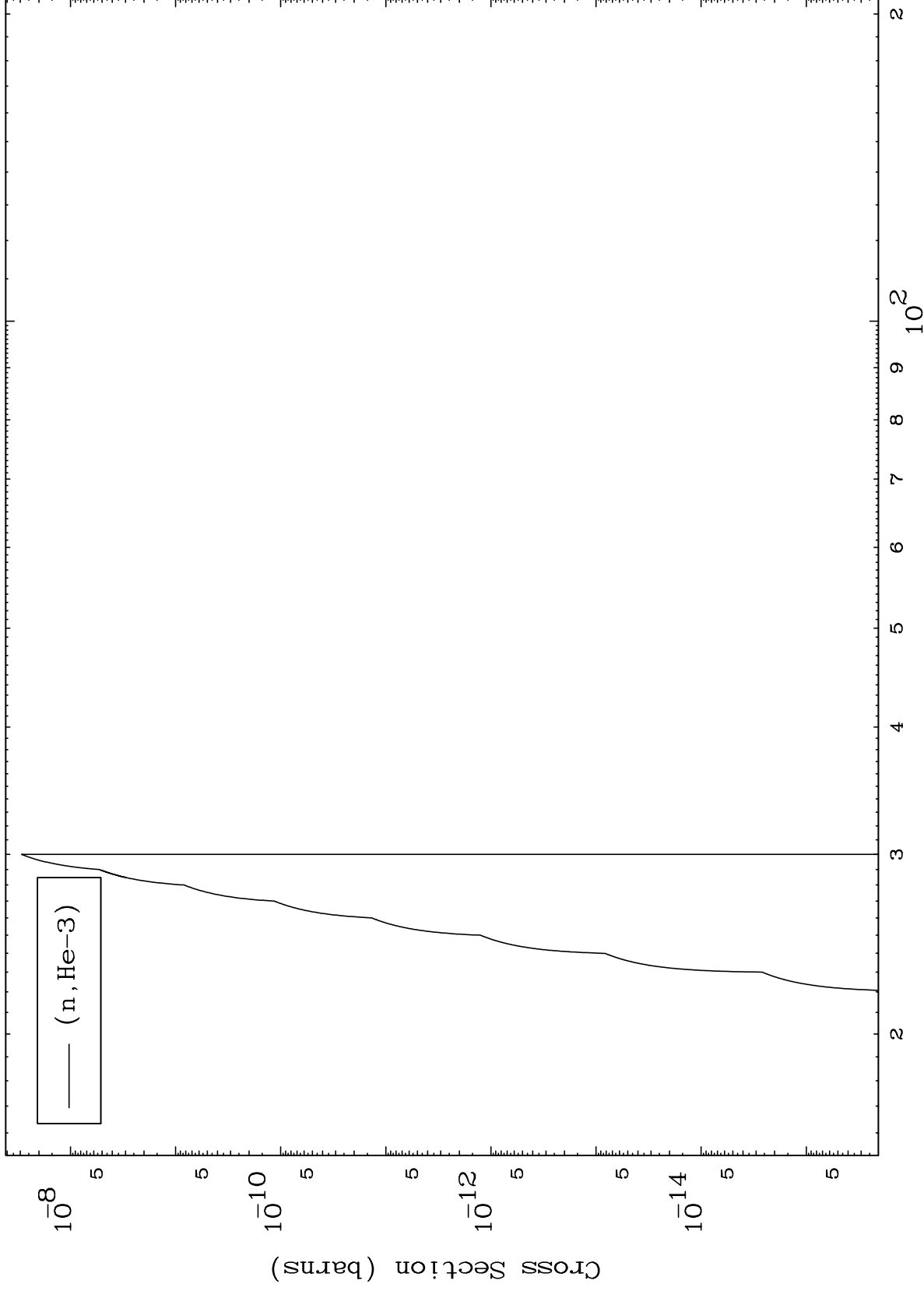
Incident Energy (MeV)

58-Ce-152

MAT 5873

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-152



12

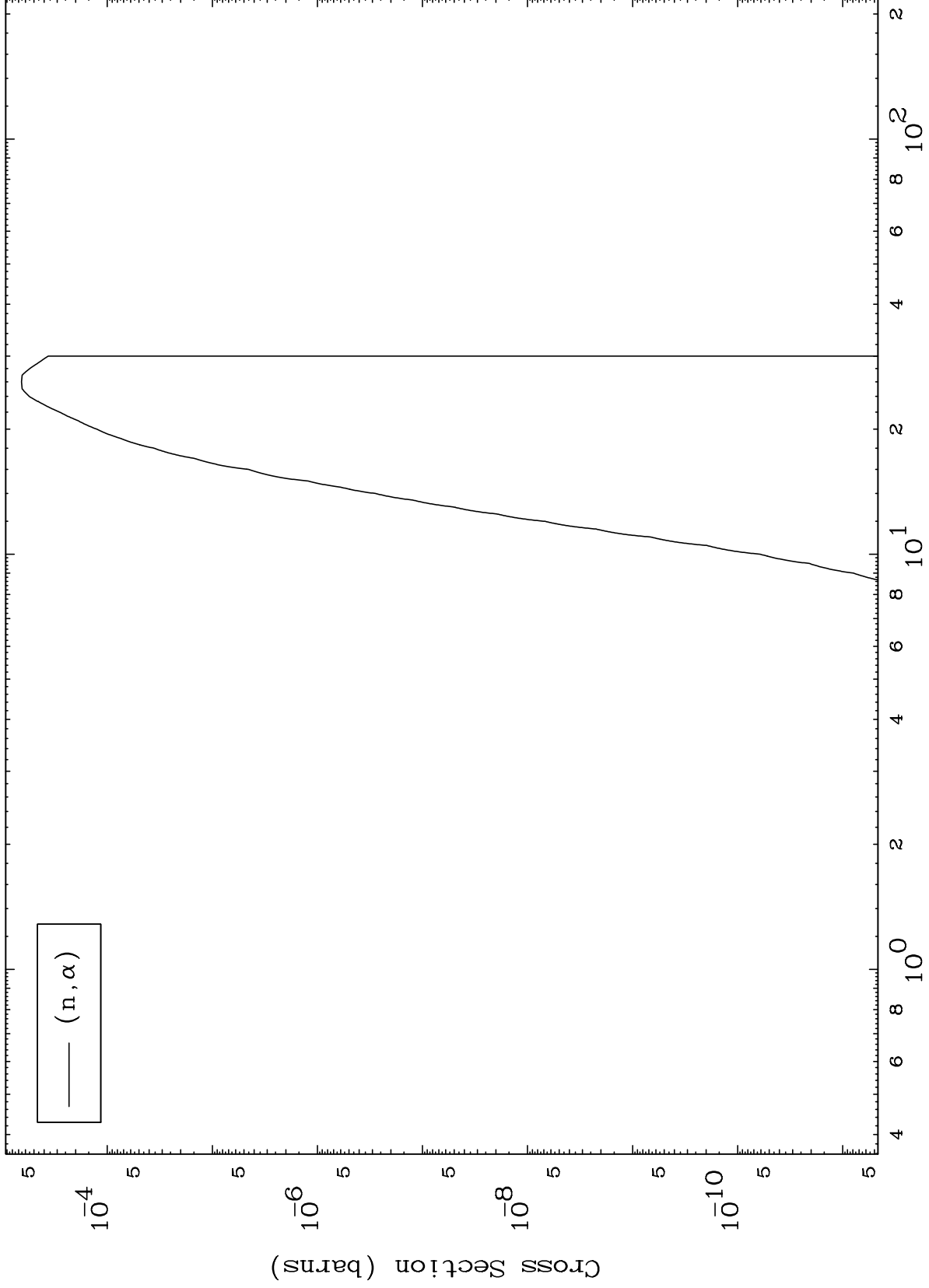
Incident Energy (MeV)

58-Ce-152

MAT 5873

(n, α) Levels
293 Kelvin Cross Sections

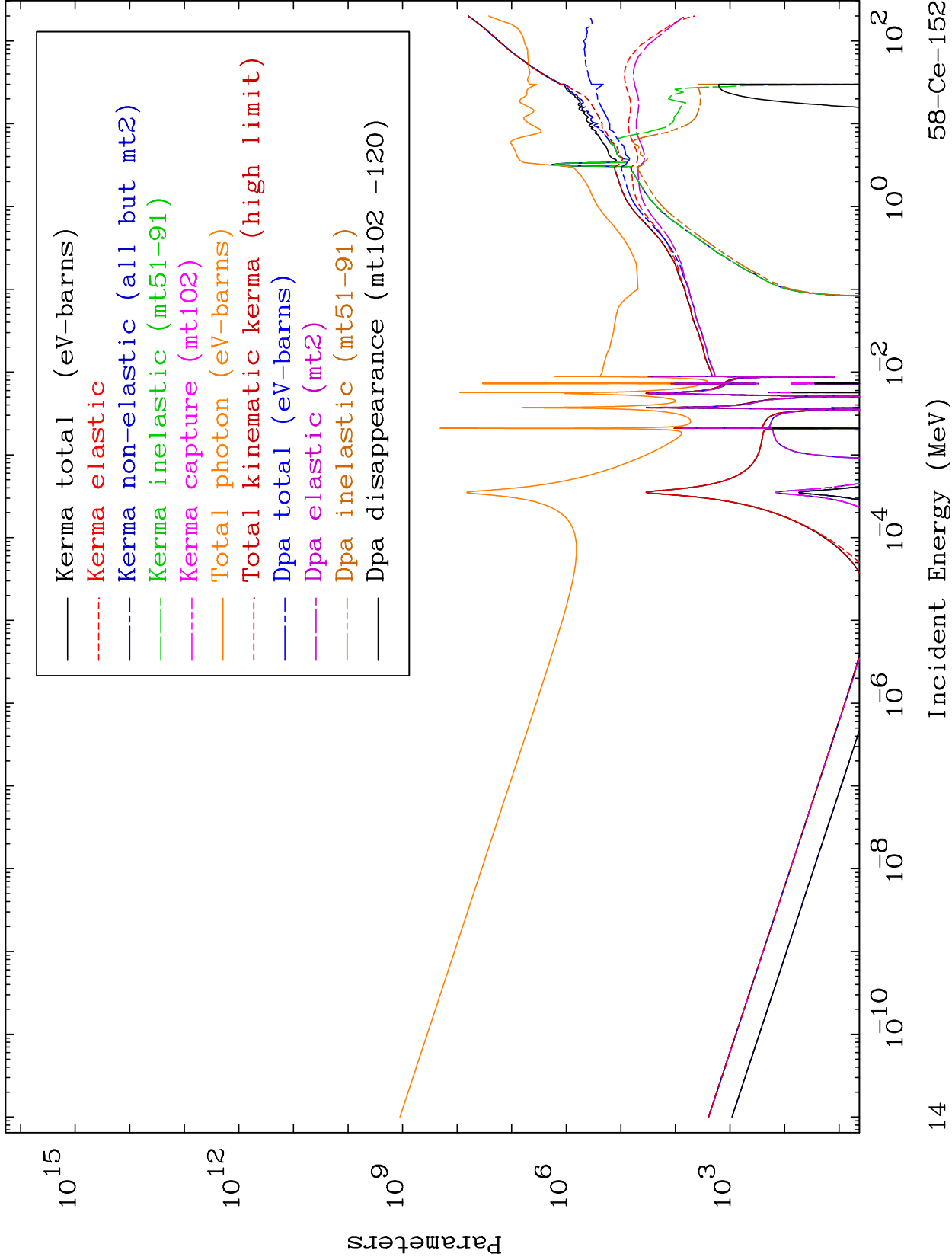
58-Ce-152



13

Incident Energy (MeV)

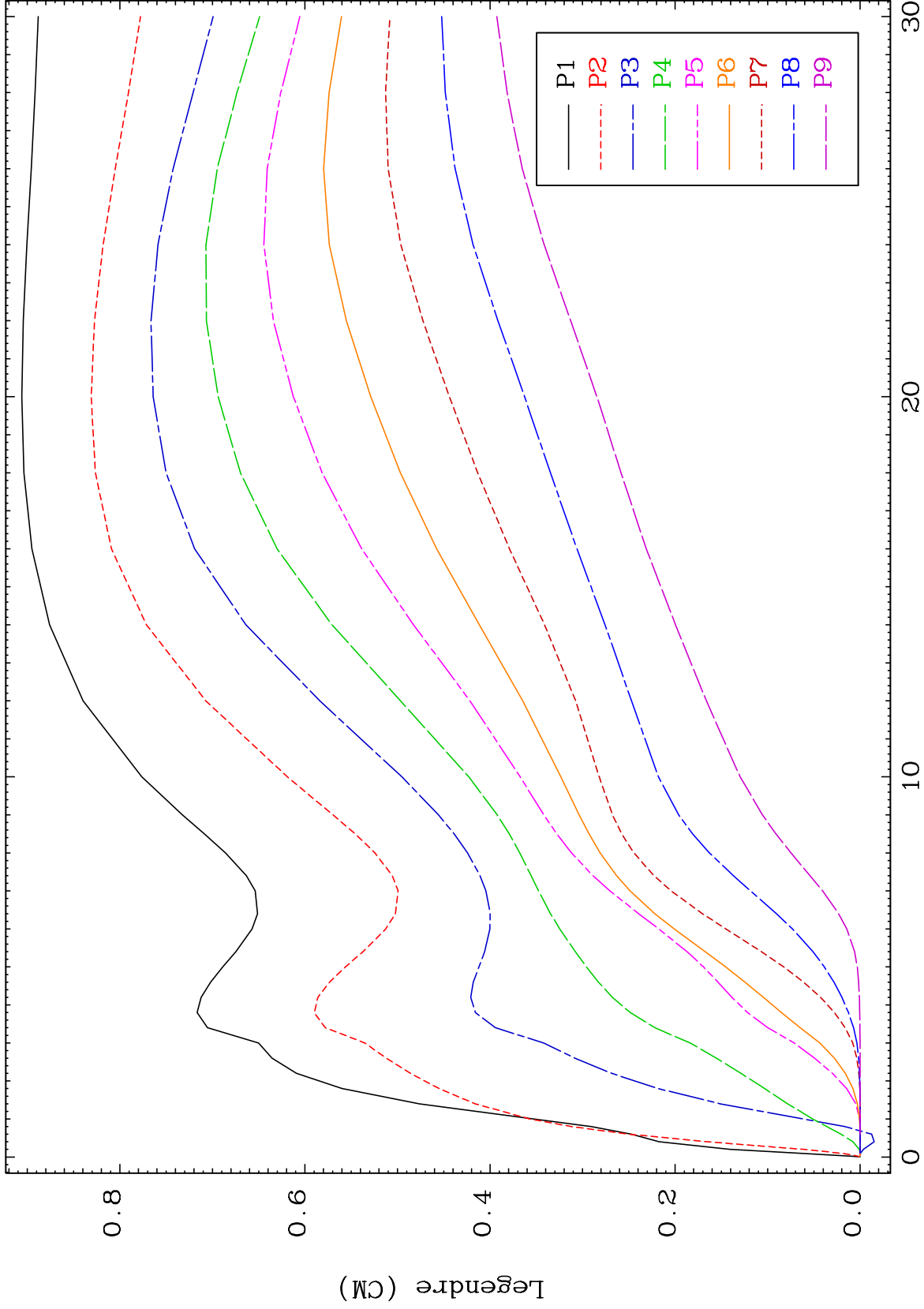
58-Ce-152



MAT 5873

Elastic Legendre Coefficients

58-Ce-152



15

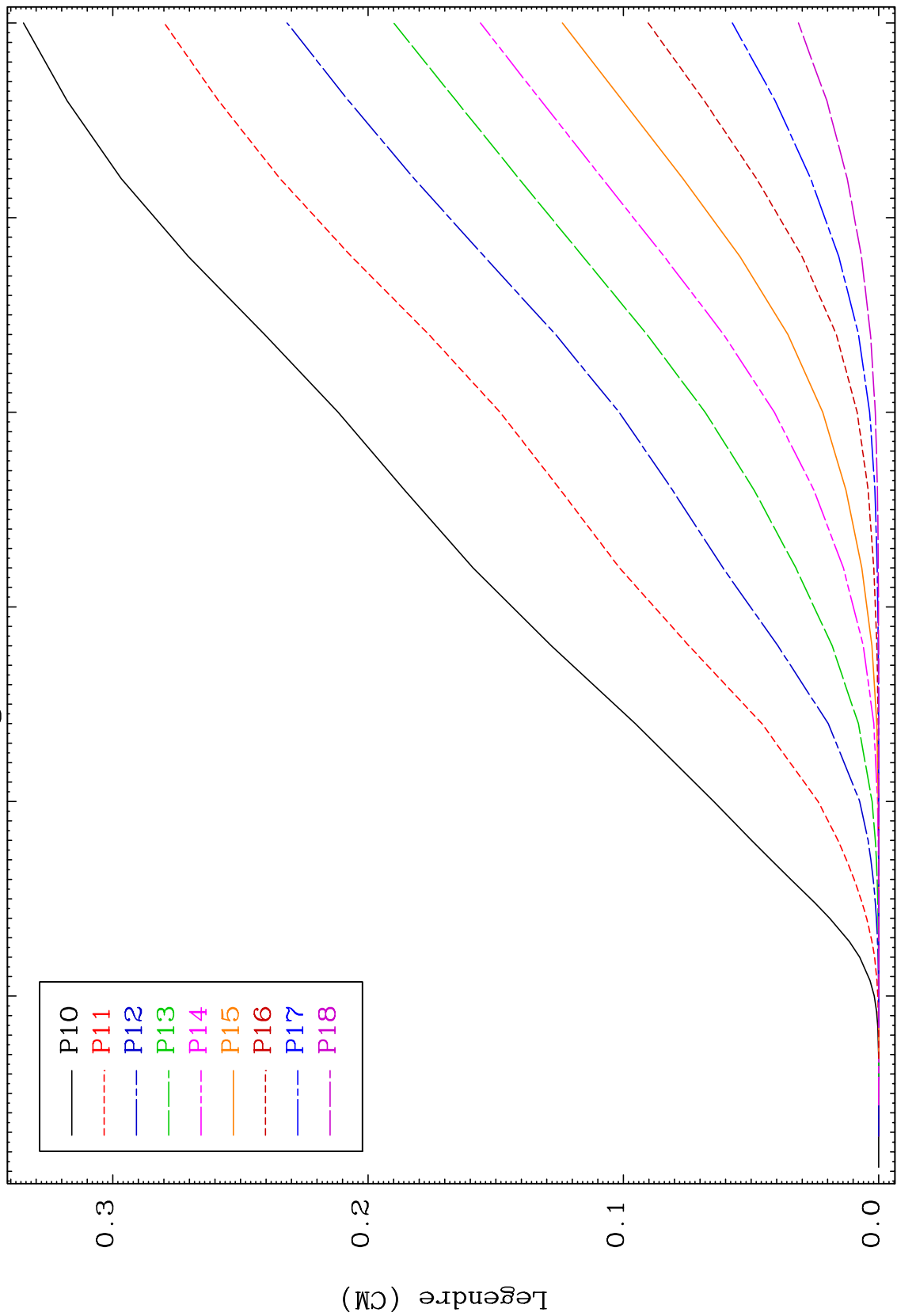
Incident Energy (MeV)

58-Ce-152

MAT 5873

Elastic Legendre Coefficients

58-Ce-152



16

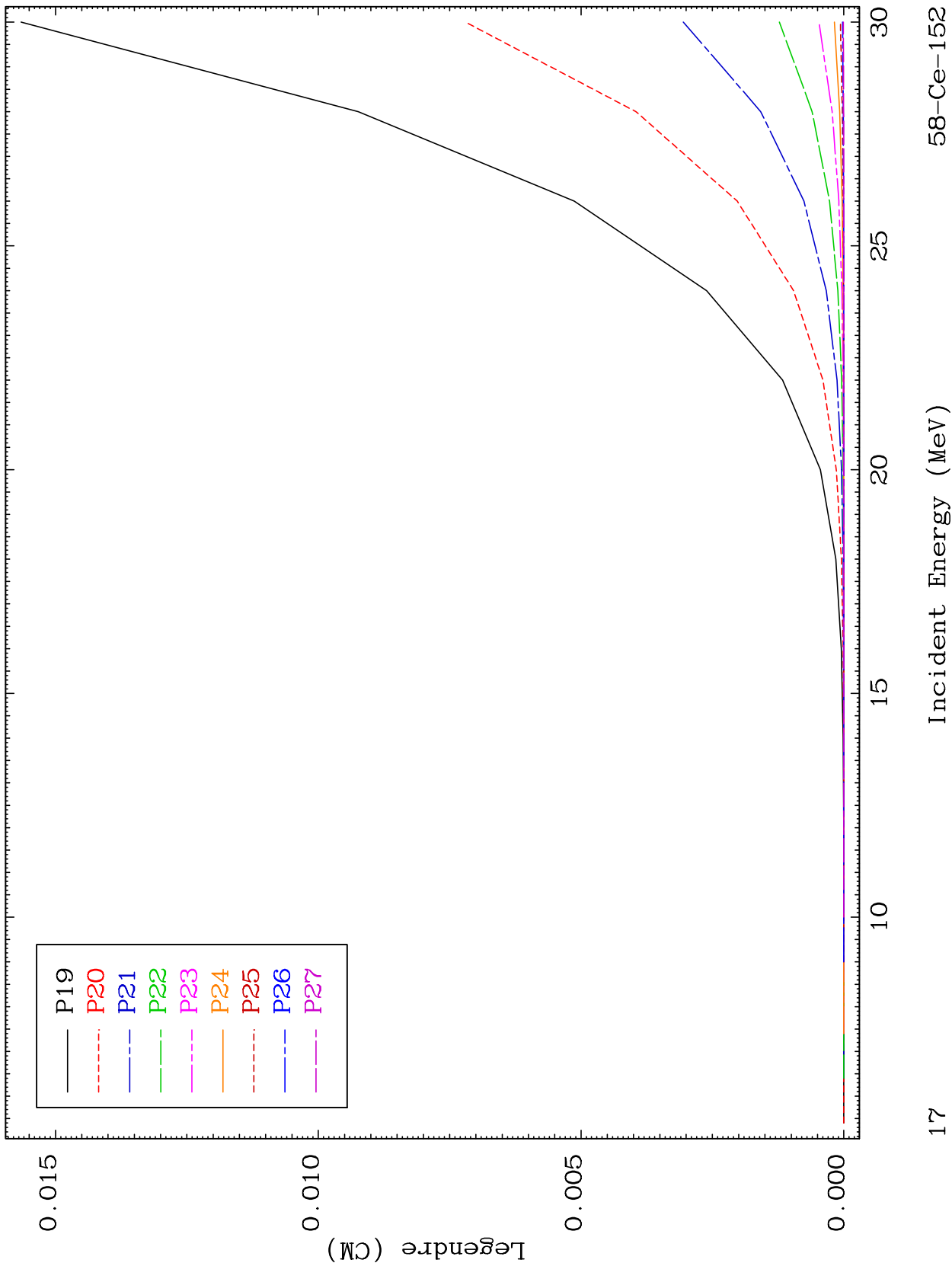
Incident Energy (MeV)

58-Ce-152

MAT 5873

Elastic Legendre Coefficients

58-Ce-152



17

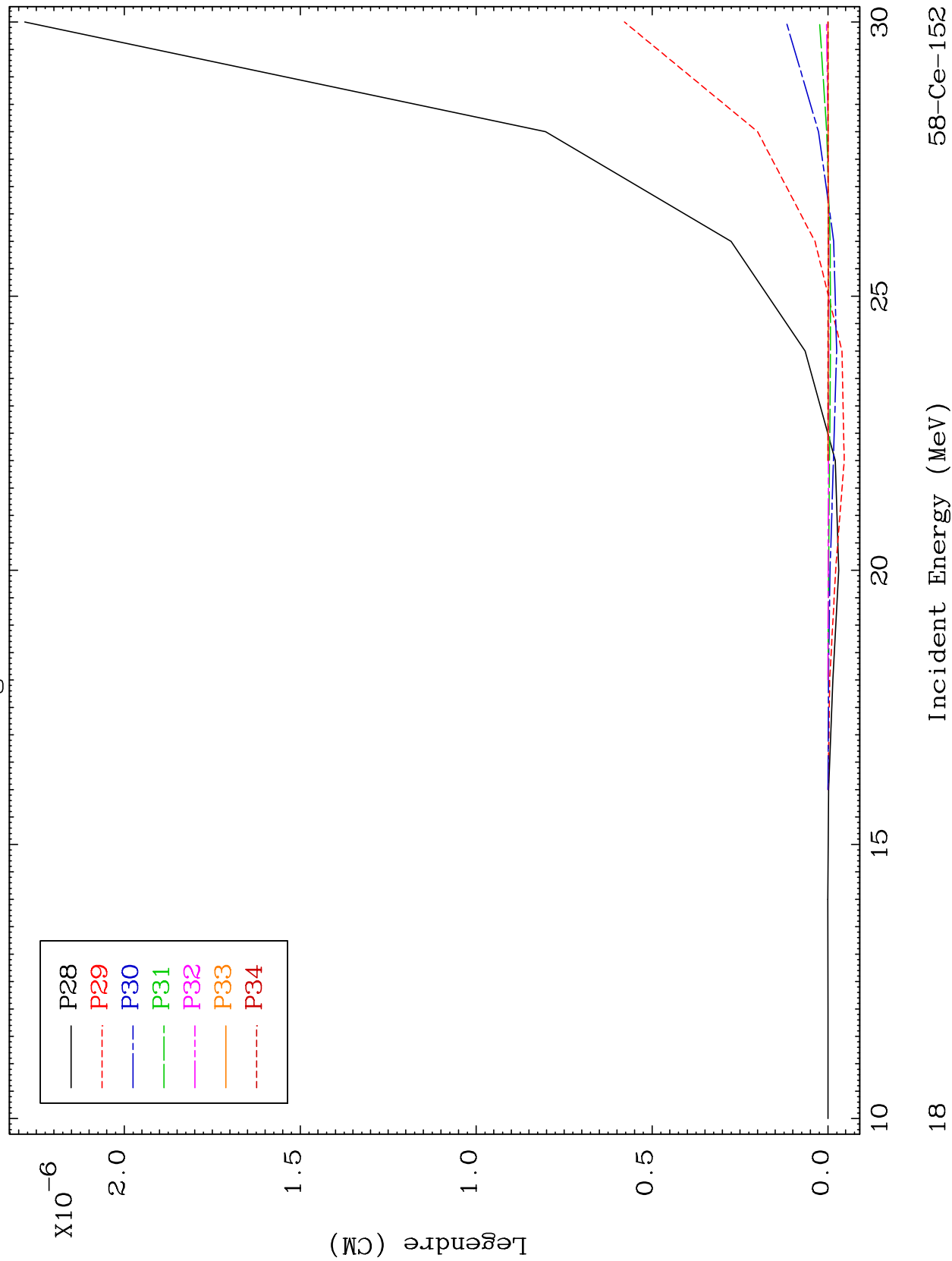
58-Ce-152

Incident Energy (MeV)

MAT 5873

Elastic
Legendre Coefficients

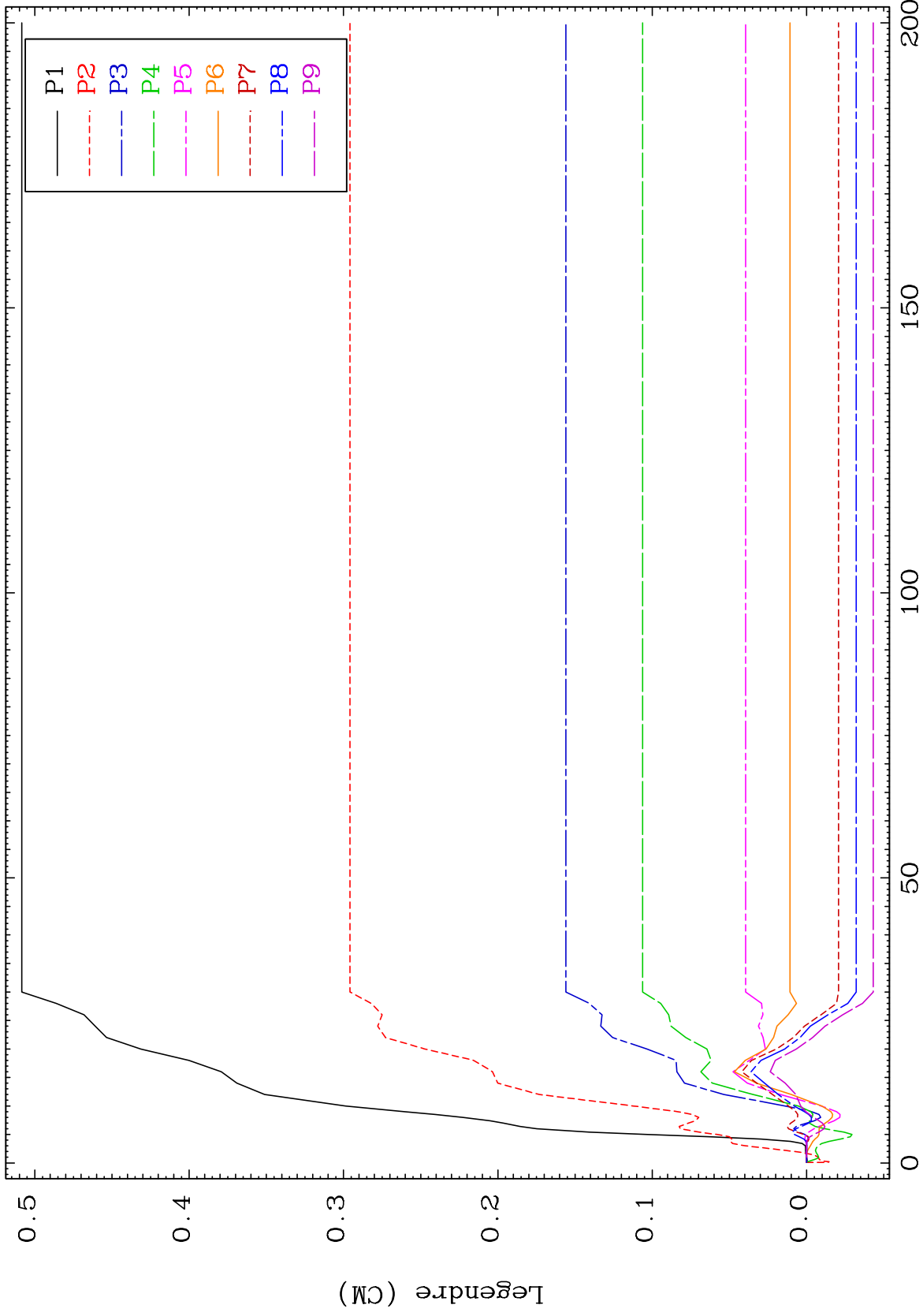
58-Ce-152



MAT 5873

81.70 keV (n,n') Level
Legendre Coefficients

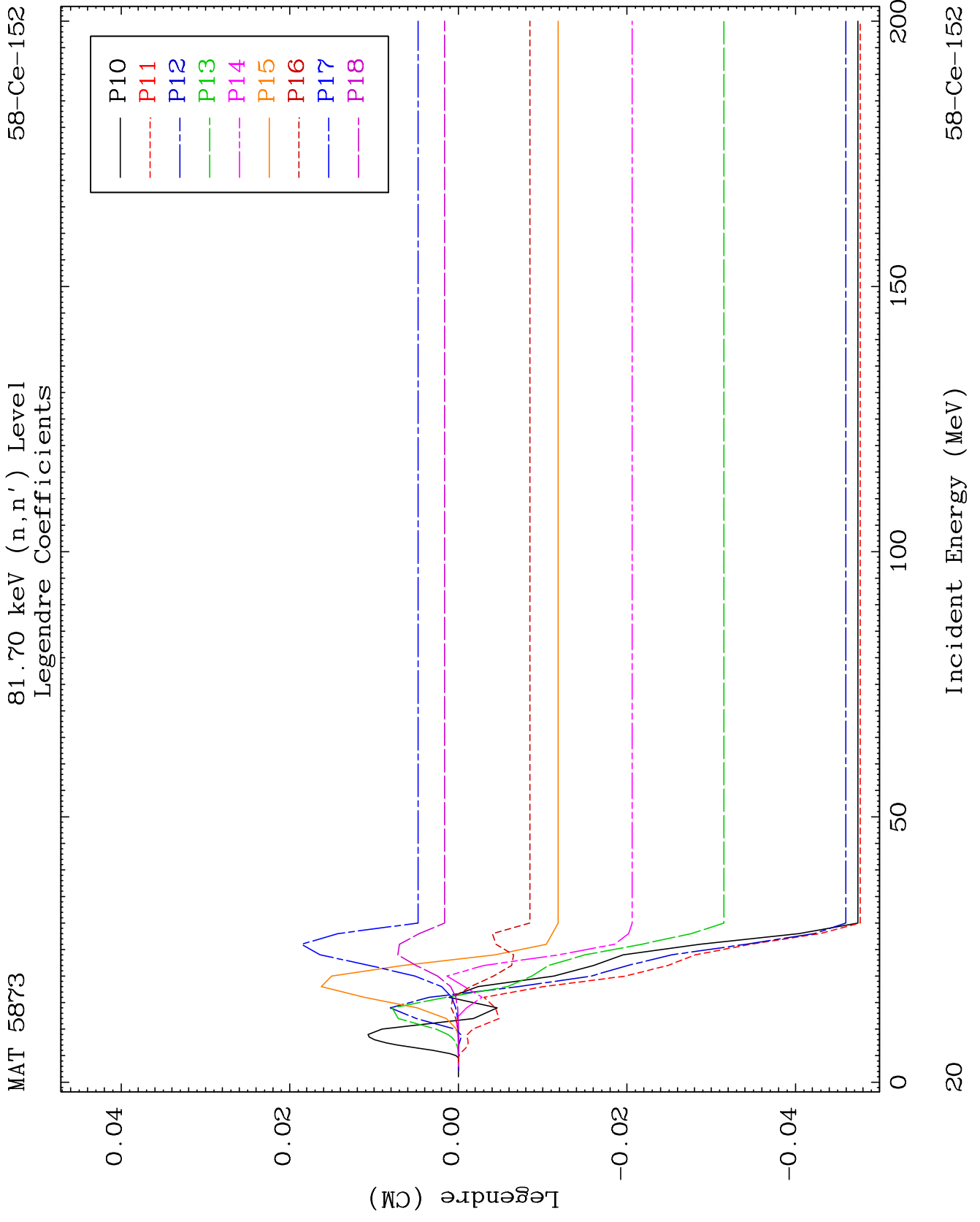
58-Ce-152



19

Incident Energy (MeV)

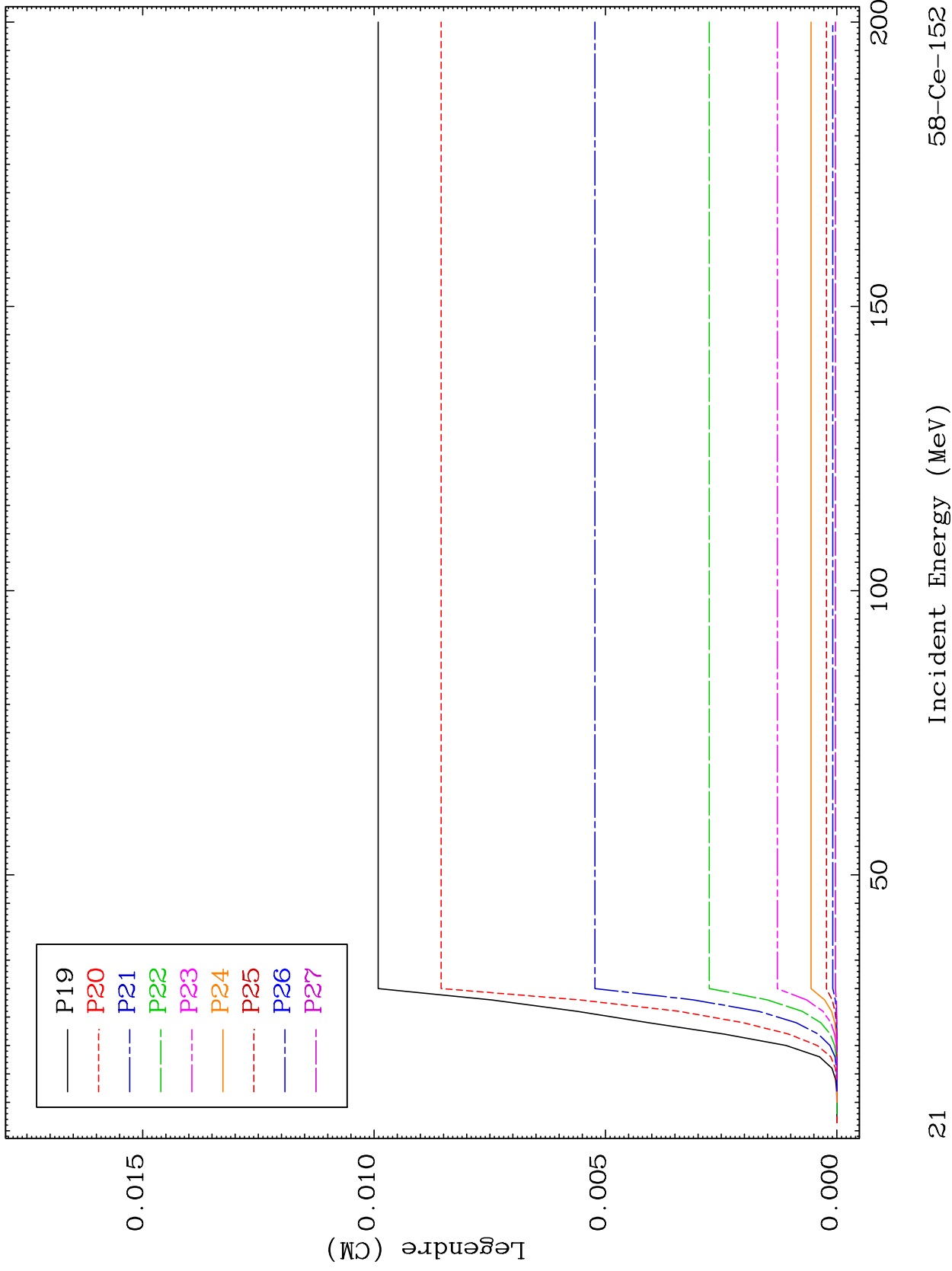
58-Ce-152



MAT 5873

81.70 keV (n,n') Level
Legendre Coefficients

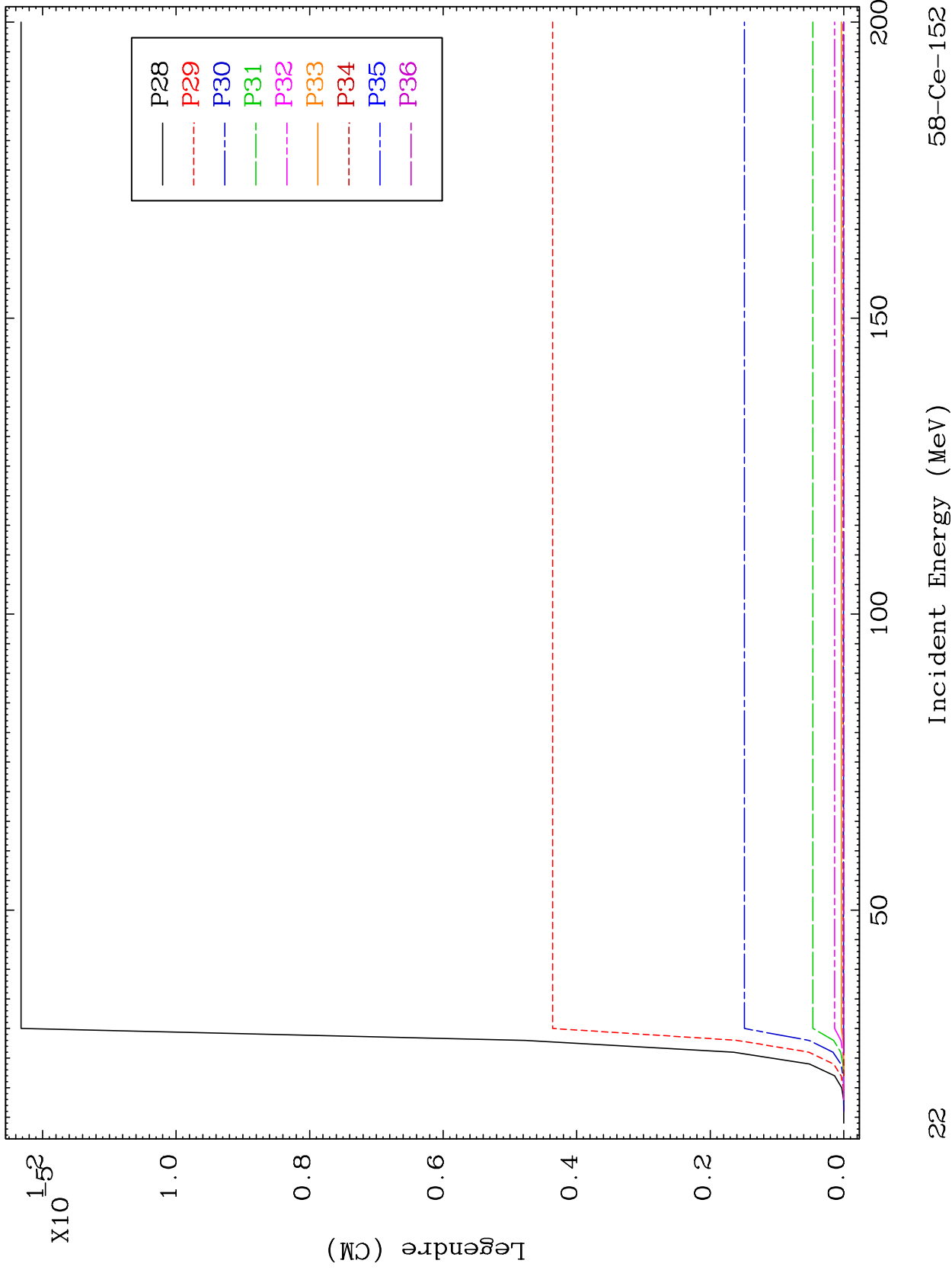
58-Ce-152



MAT 5873

81.70 keV (n,n') Level
Legendre Coefficients

58-Ce-152

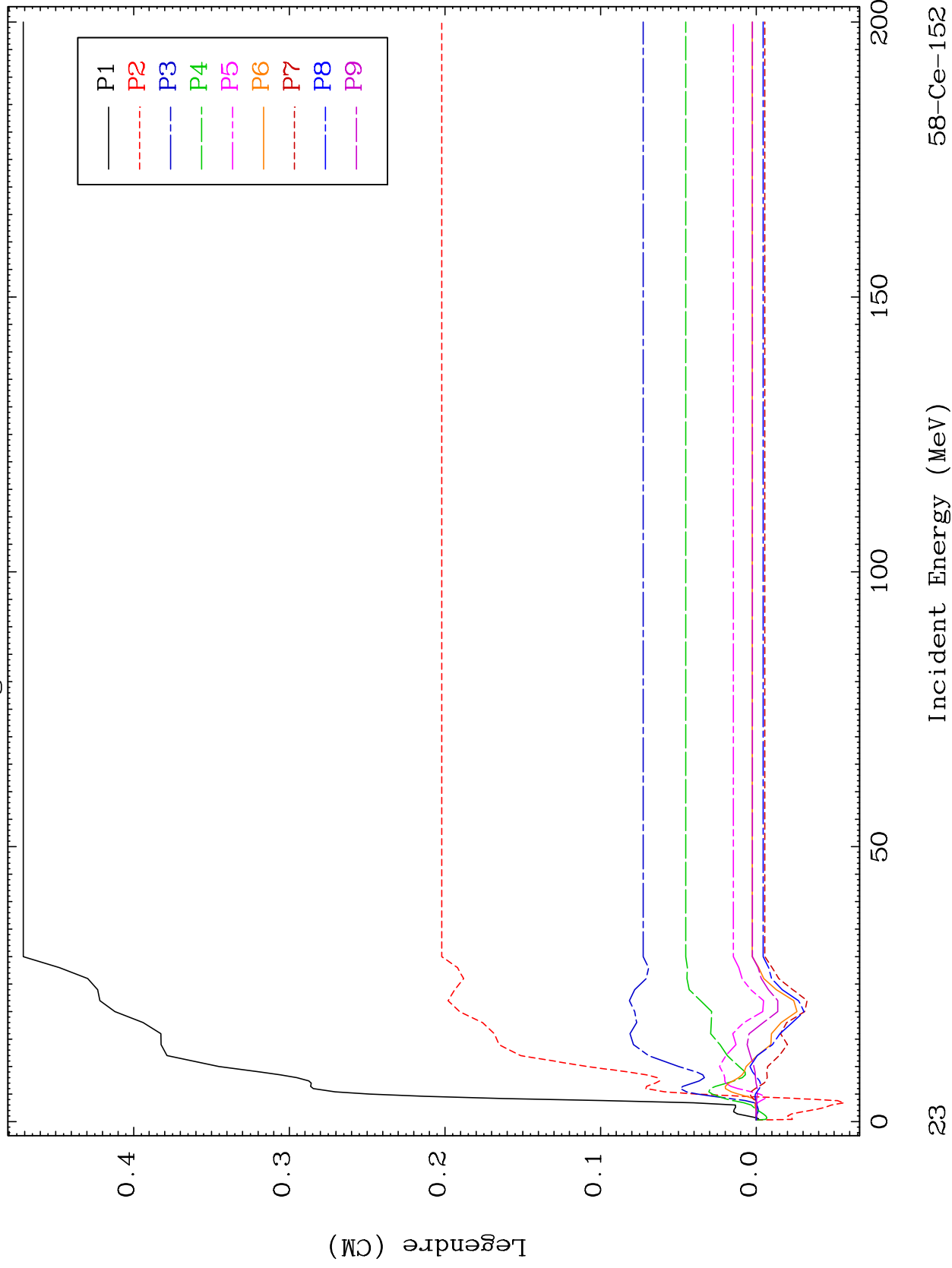


22

MAT 5873

264.2 keV (n, n') Level
Legendre Coefficients

58-Ce-152



58-Ce-152

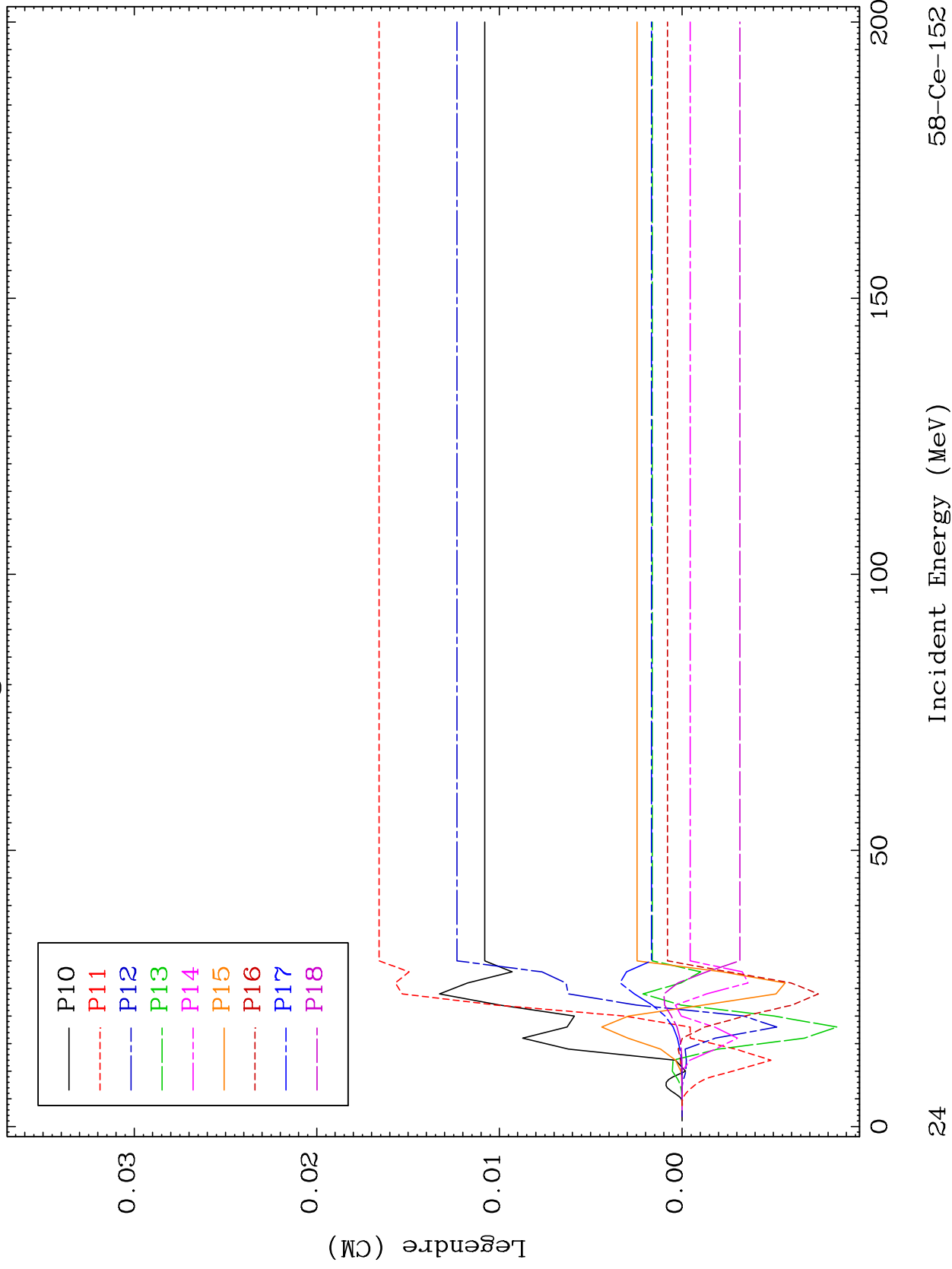
Incident Energy (MeV)

23

MAT 5873

264.2 keV (n,n') Level
Legendre Coefficients

58-Ce-152



24

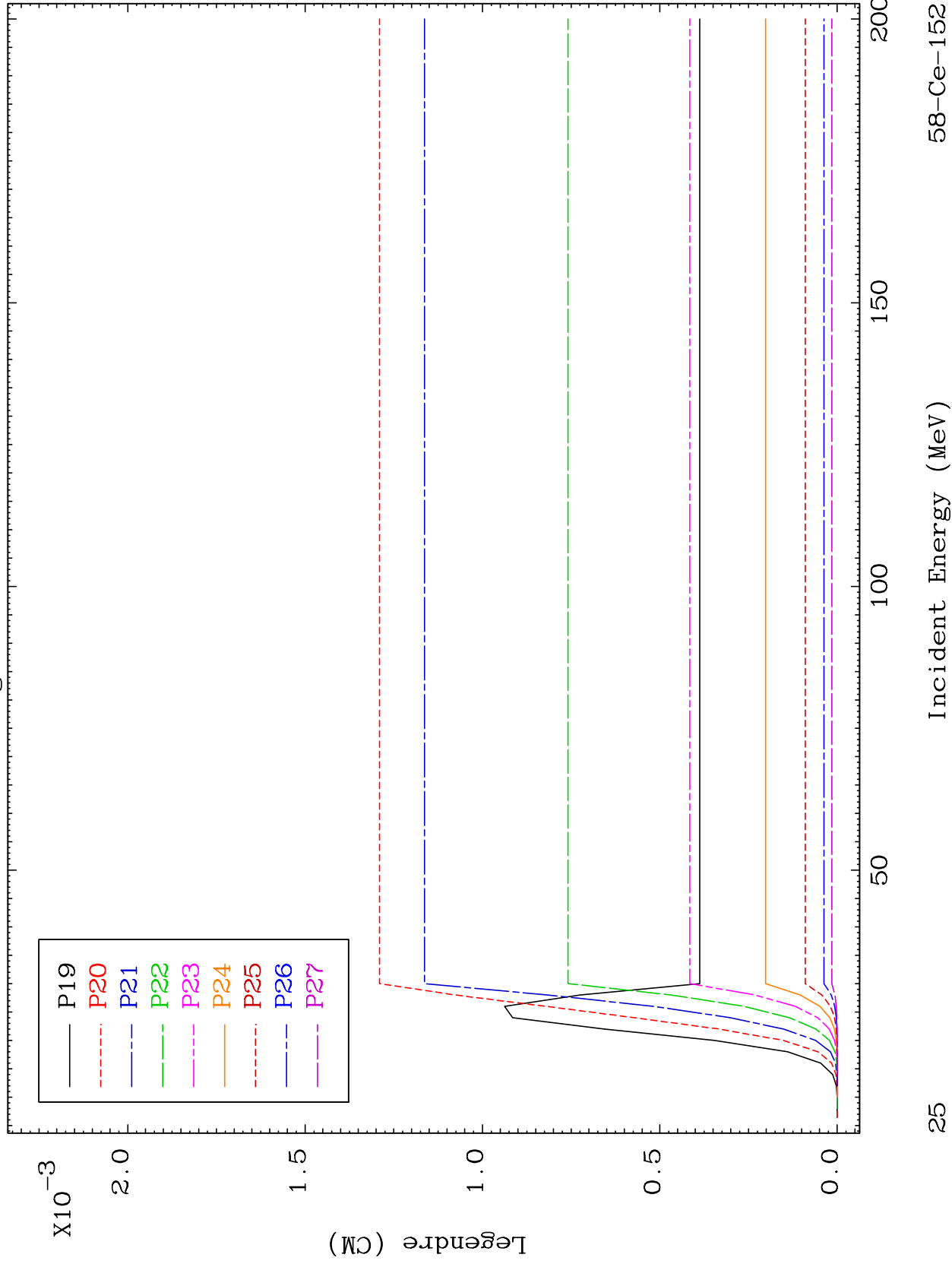
Incident Energy (MeV)

58-Ce-152

MAT 5873

264.2 keV (n,n') Level
Legendre Coefficients

58-Ce-152



25

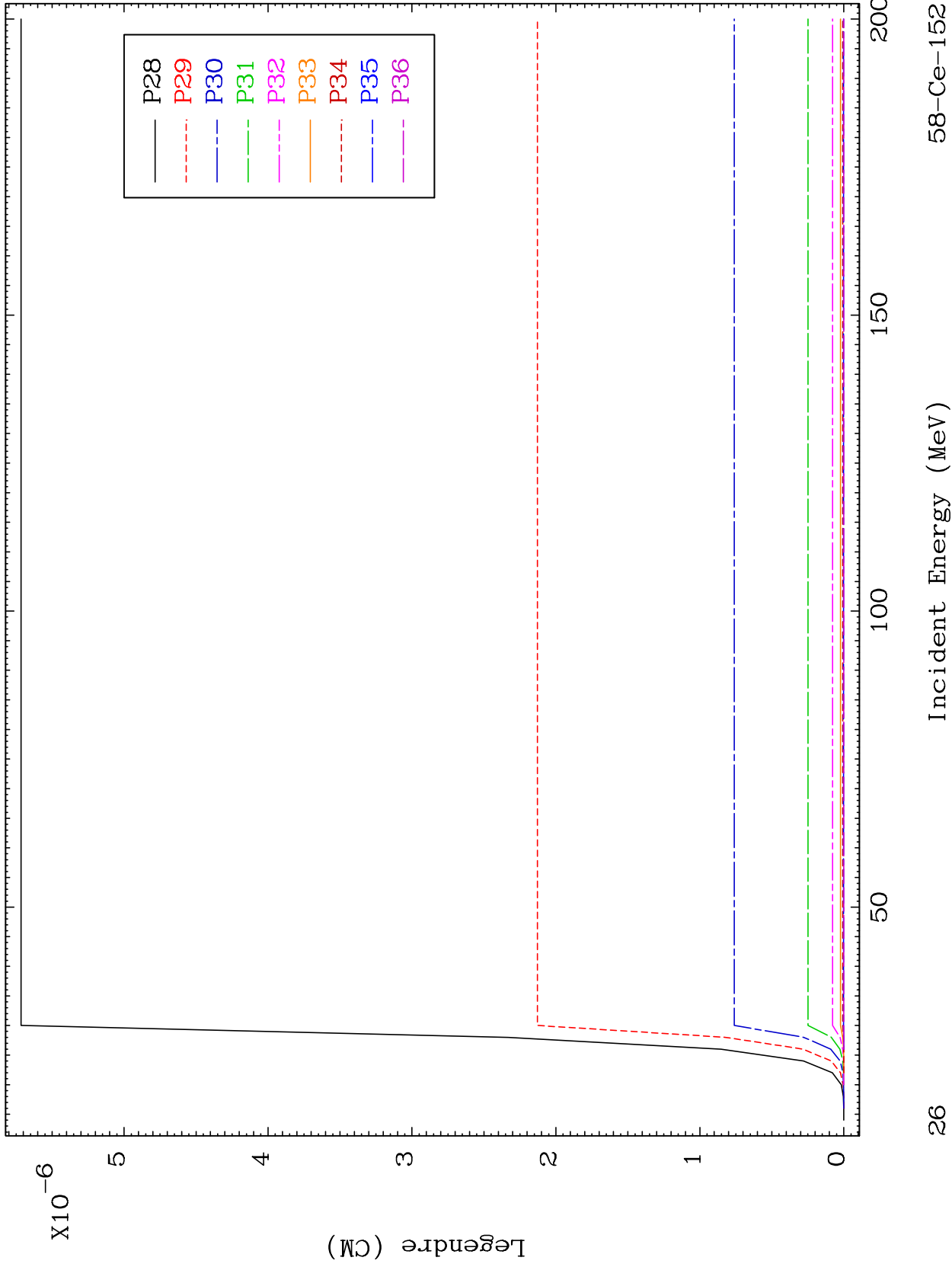
Incident Energy (MeV)

58-Ce-152

MAT 5873

264.2 keV (n,n') Level
Legendre Coefficients

58-Ce-152



26

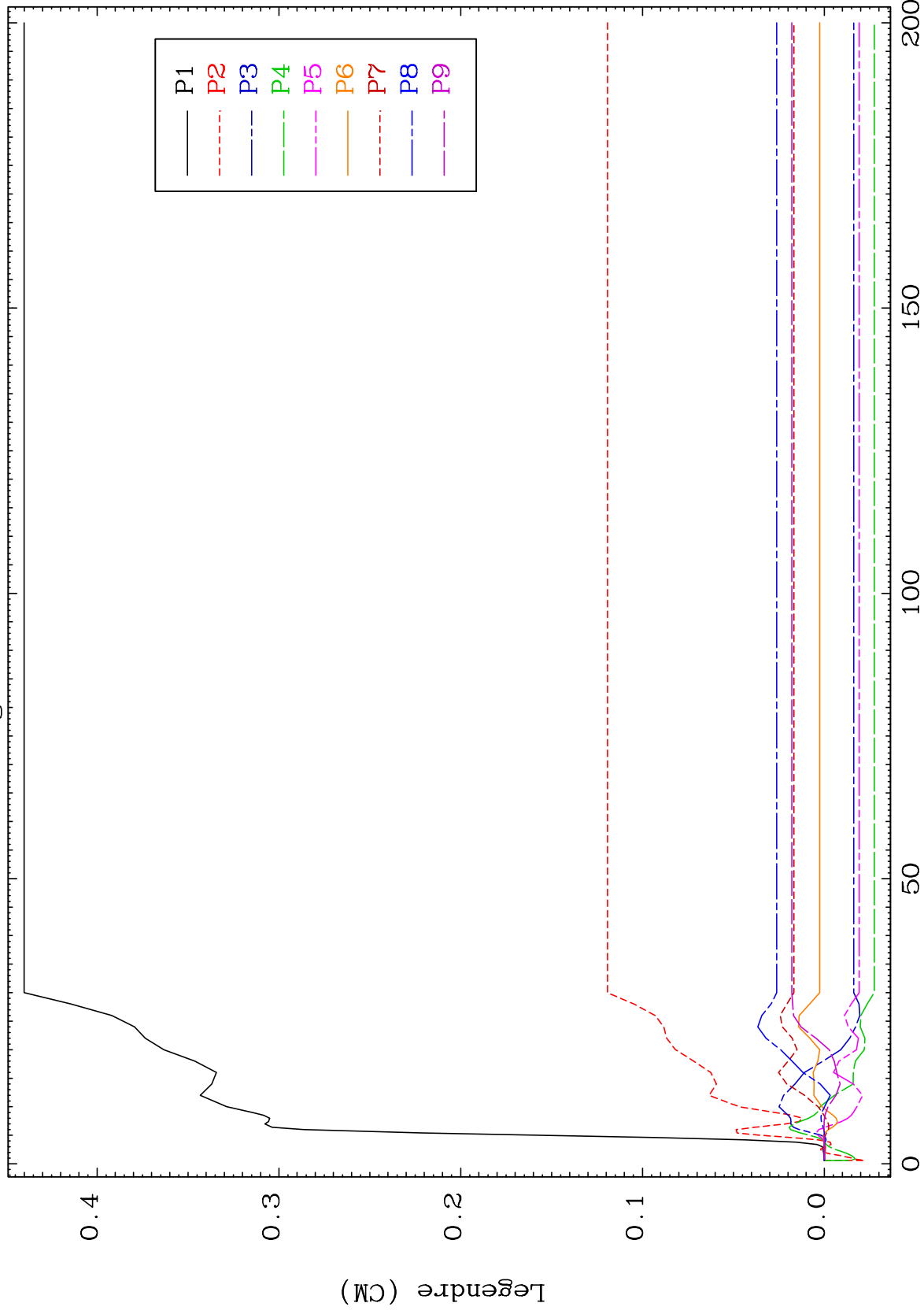
Incident Energy (MeV)

58-Ce-152

MAT 5873

538.6 keV (n,n') Level
Legendre Coefficients

58-Ce-152



27

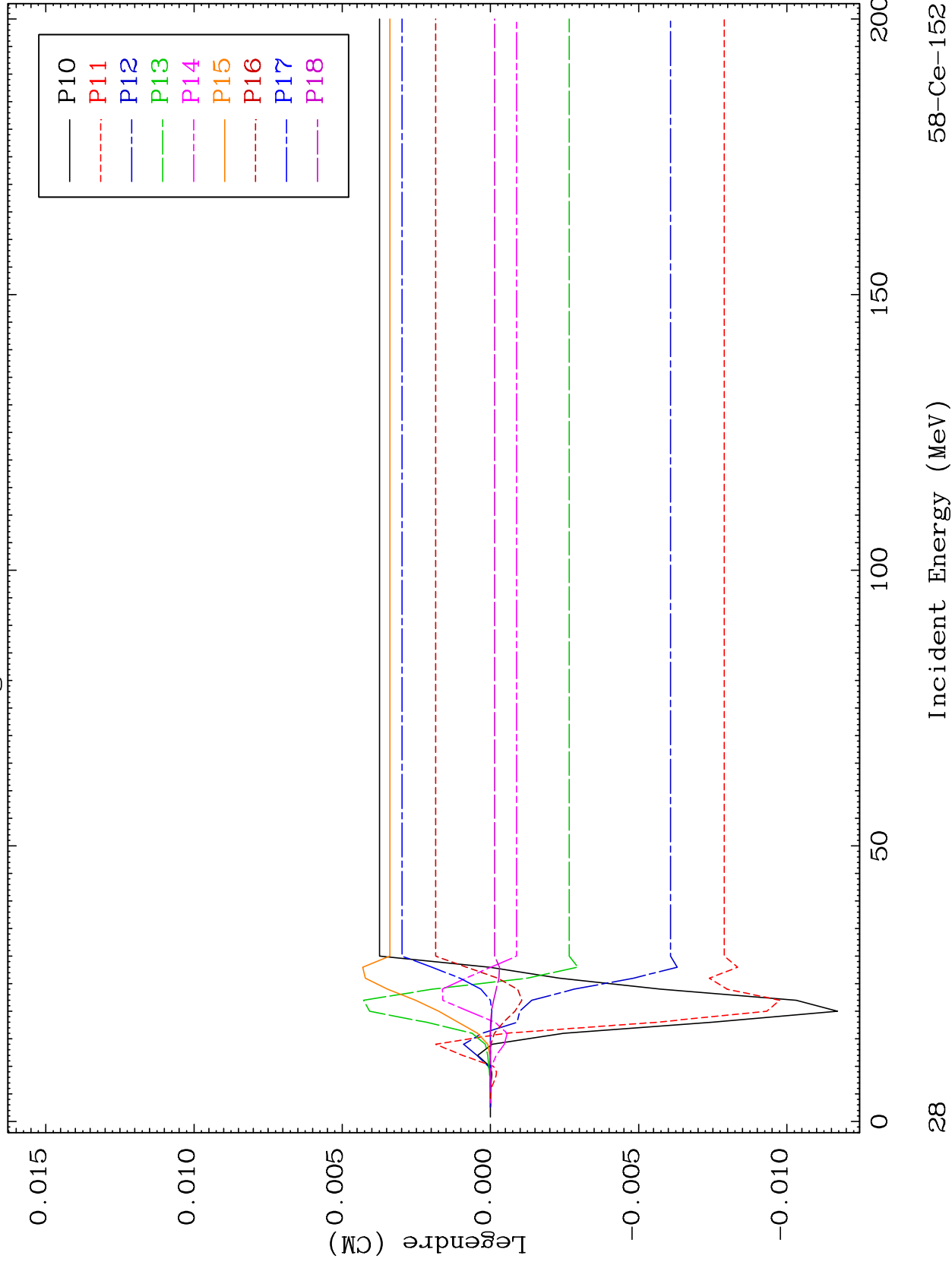
Incident Energy (MeV)

58-Ce-152

MAT 5873

538.6 keV (n,n') Level
Legendre Coefficients

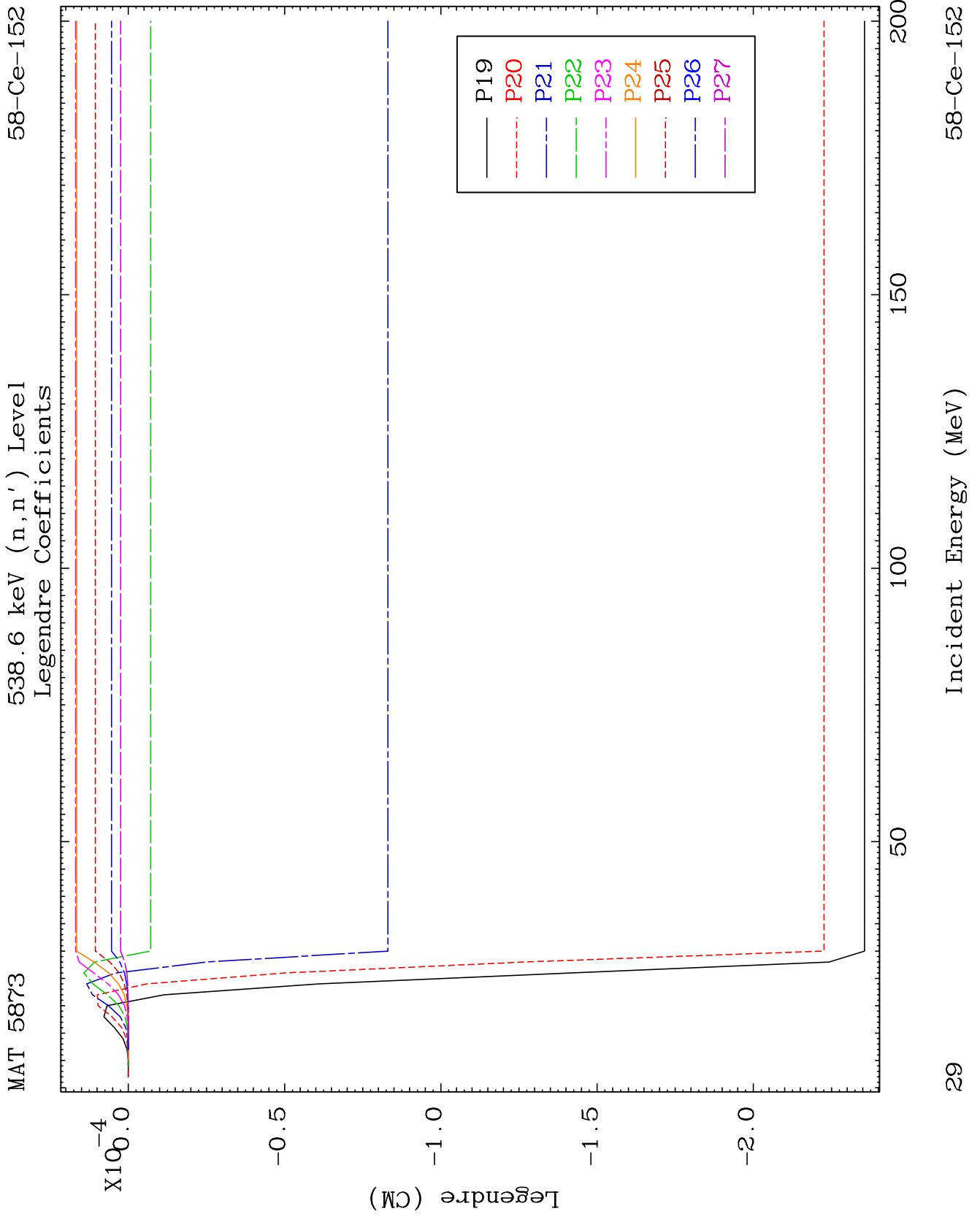
58-Ce-152



58-Ce-152

Incident Energy (MeV)

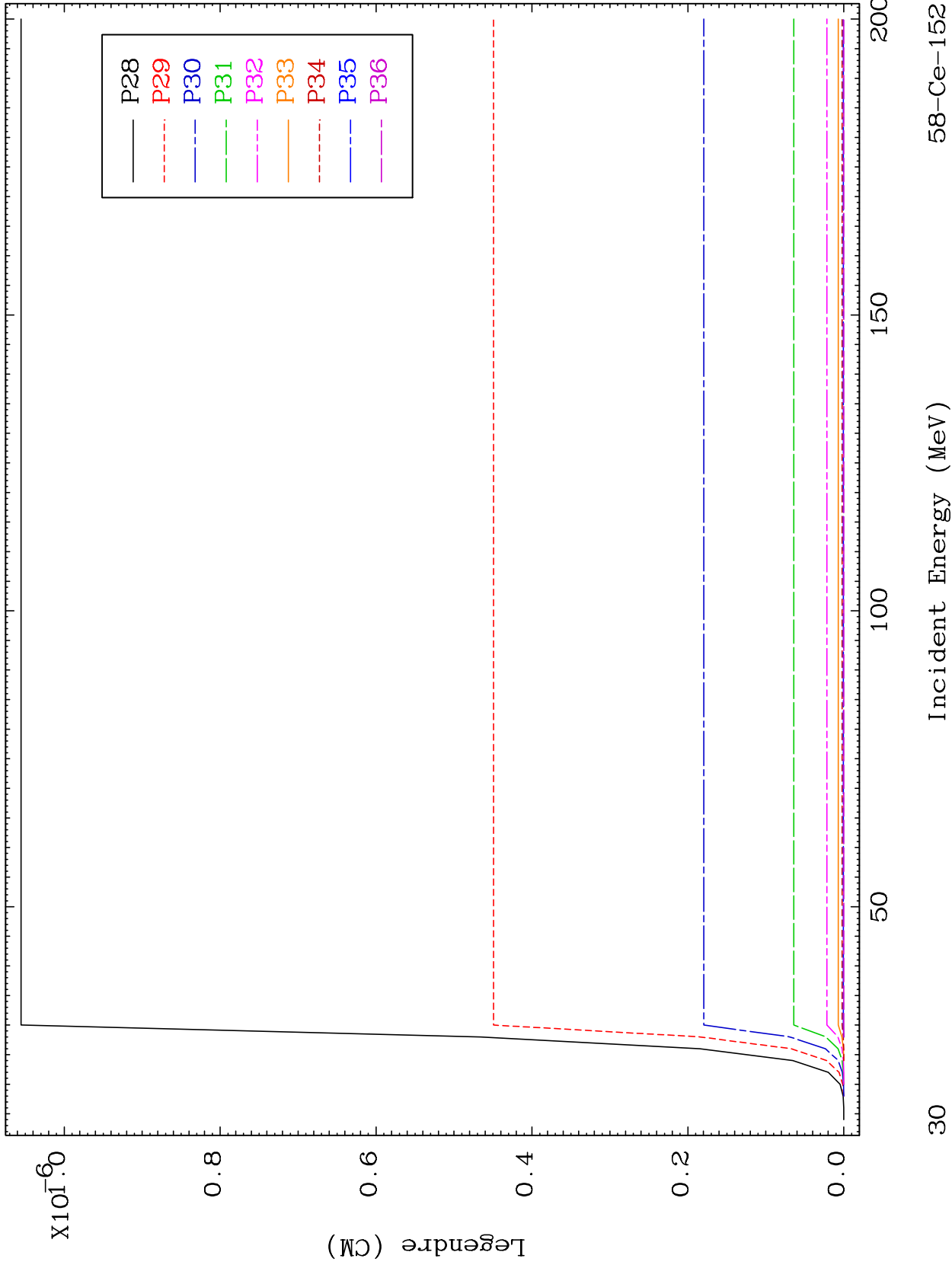
28



MAT 5873

538.6 keV (n,n') Level
Legendre Coefficients

58-Ce-152



30

50

100

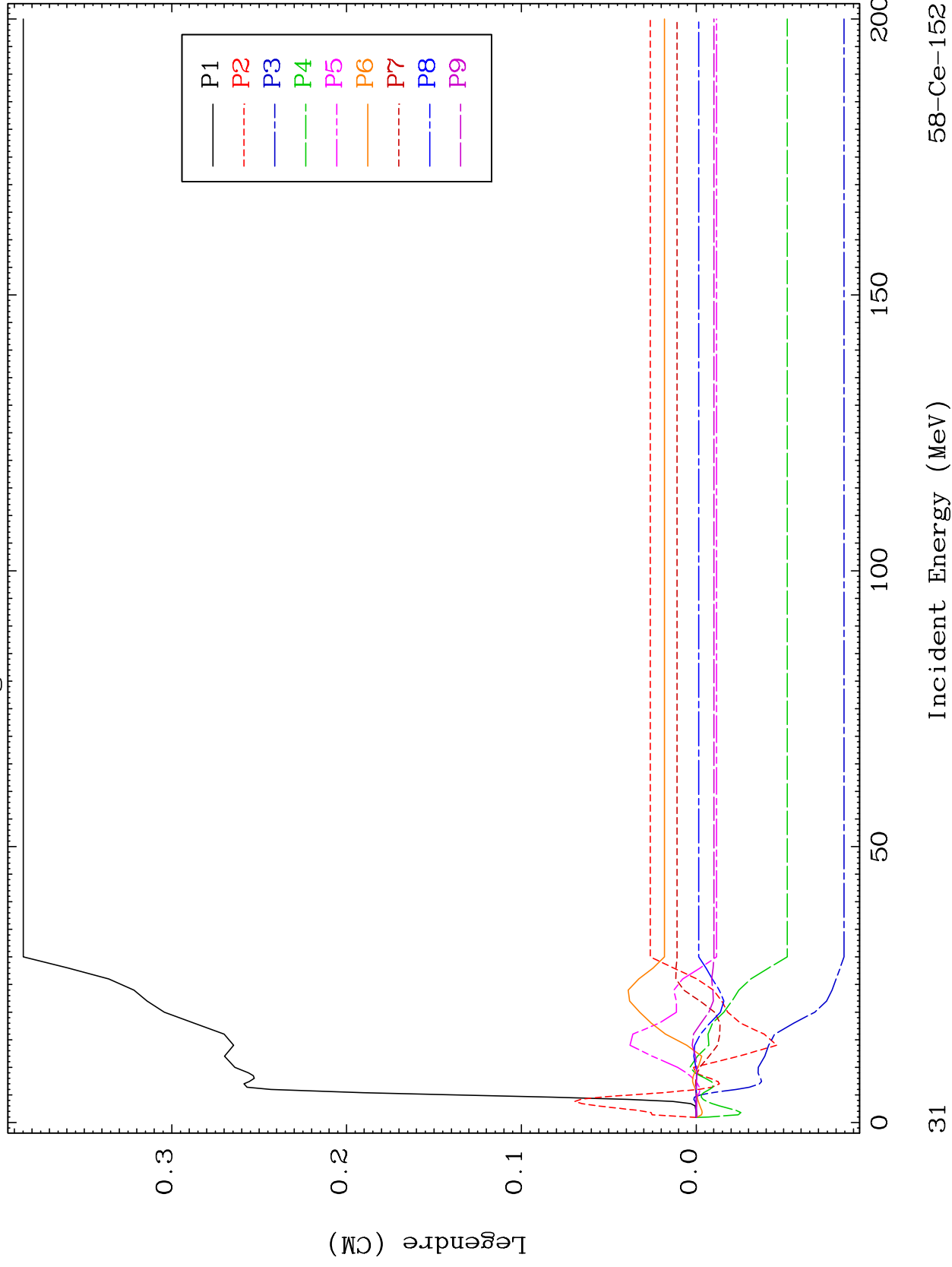
150

200

MAT 5873

894.1 keV (n,n') Level
Legendre Coefficients

58-Ce-152



31

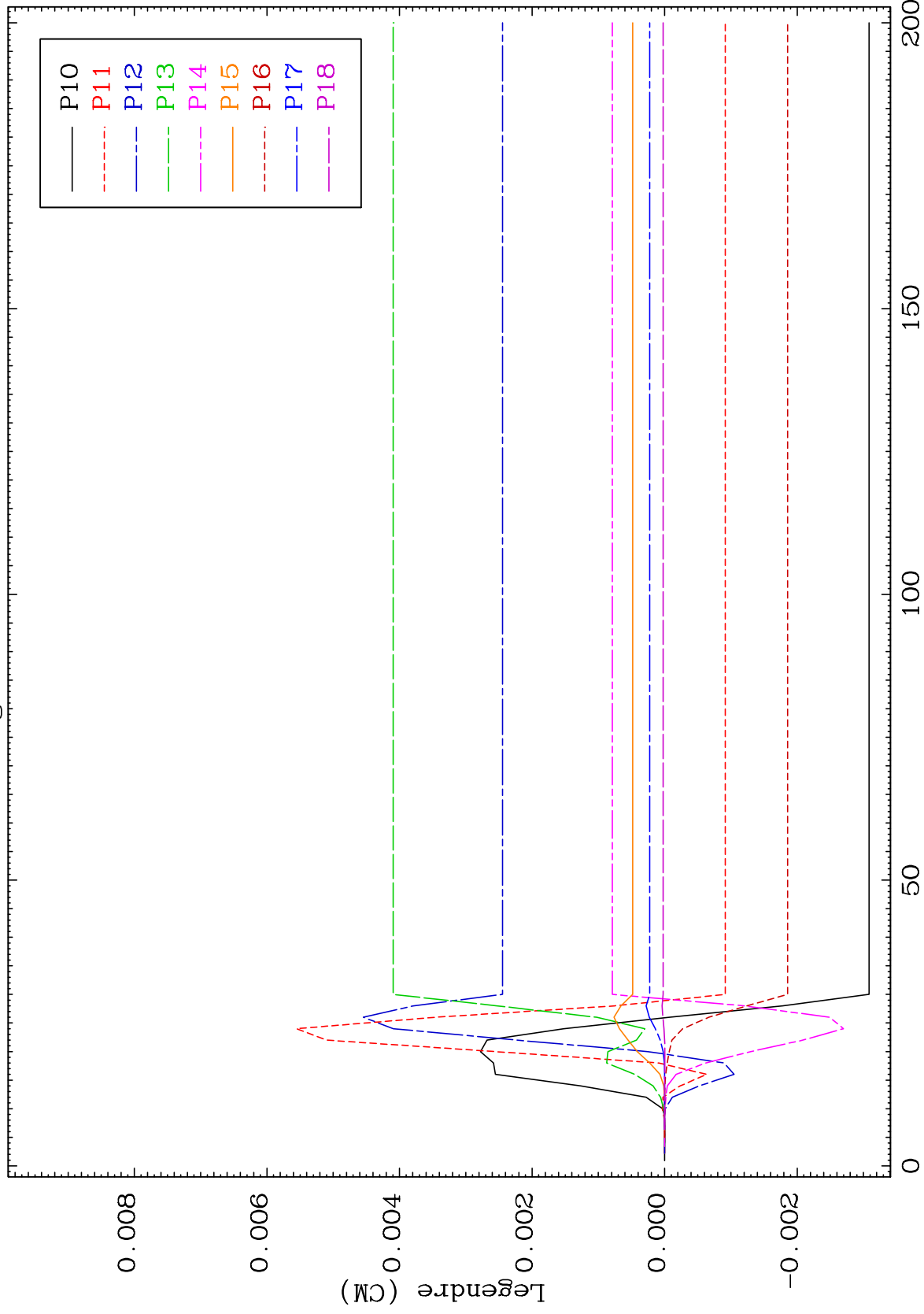
Incident Energy (MeV)

58-Ce-152

MAT 5873

894.1 keV (n,n') Level
Legendre Coefficients

58-Ce-152



32

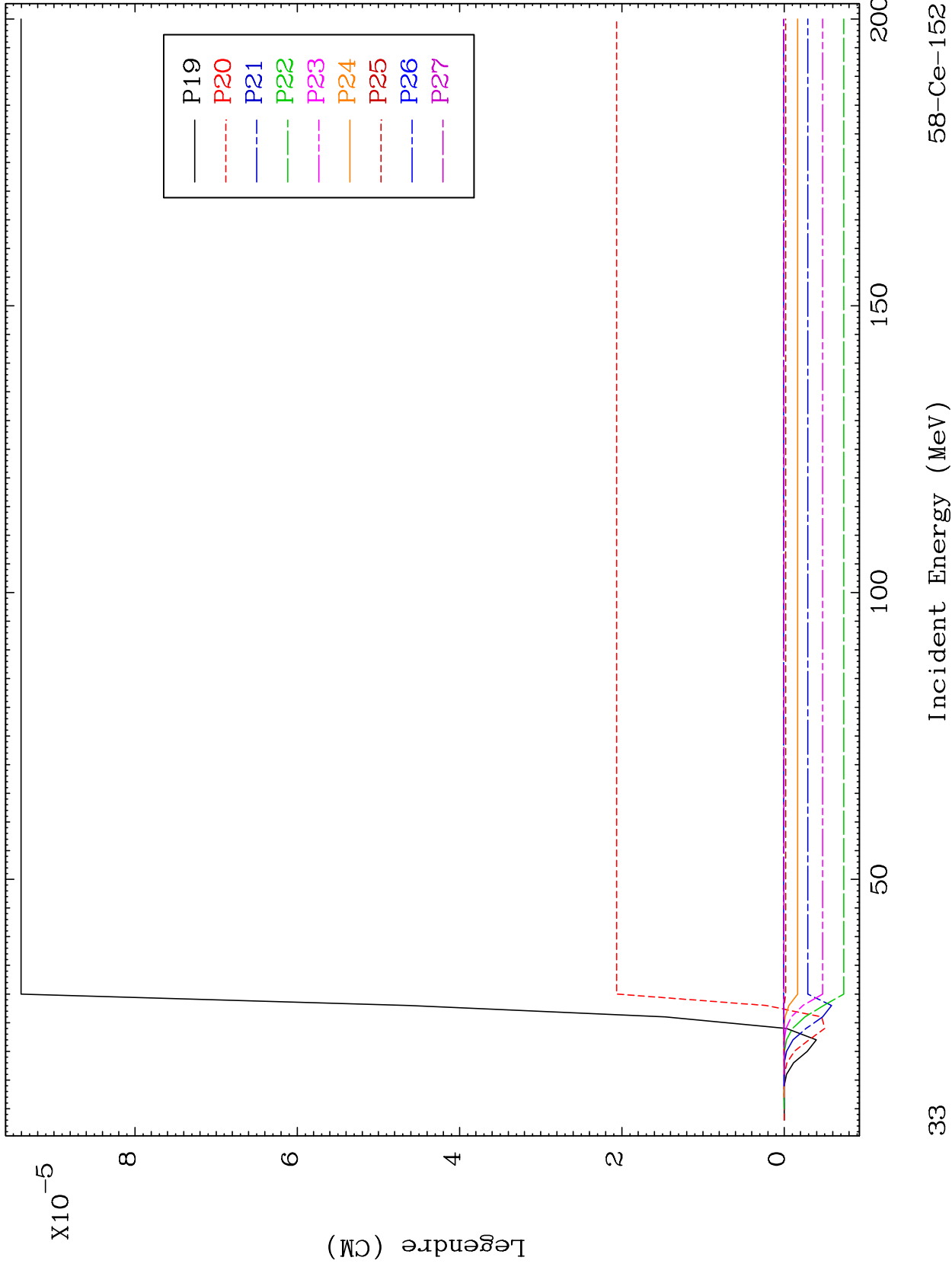
Incident Energy (MeV)

58-Ce-152

MAT 5873

894.1 keV (n,n') Level
Legendre Coefficients

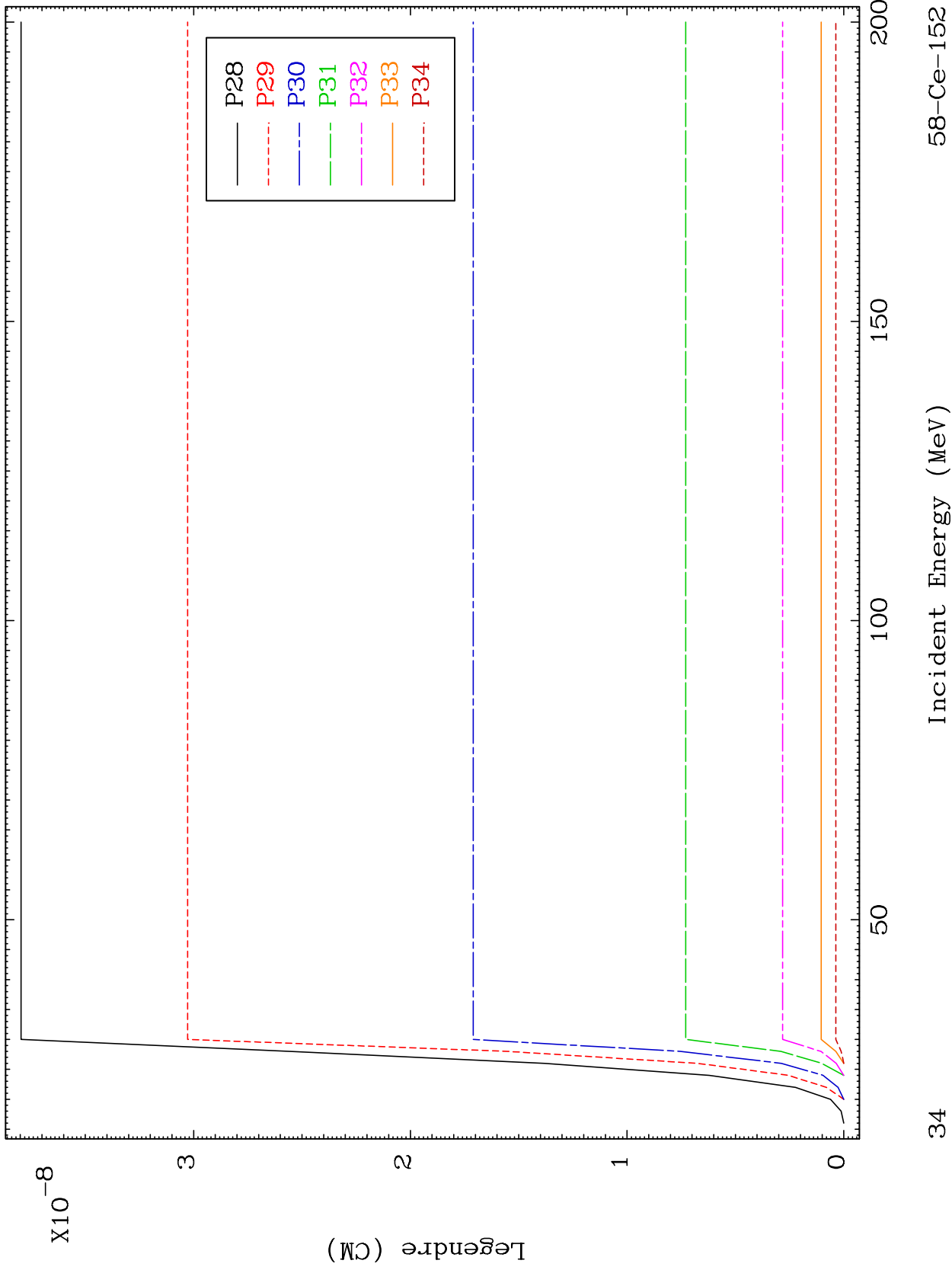
58-Ce-152

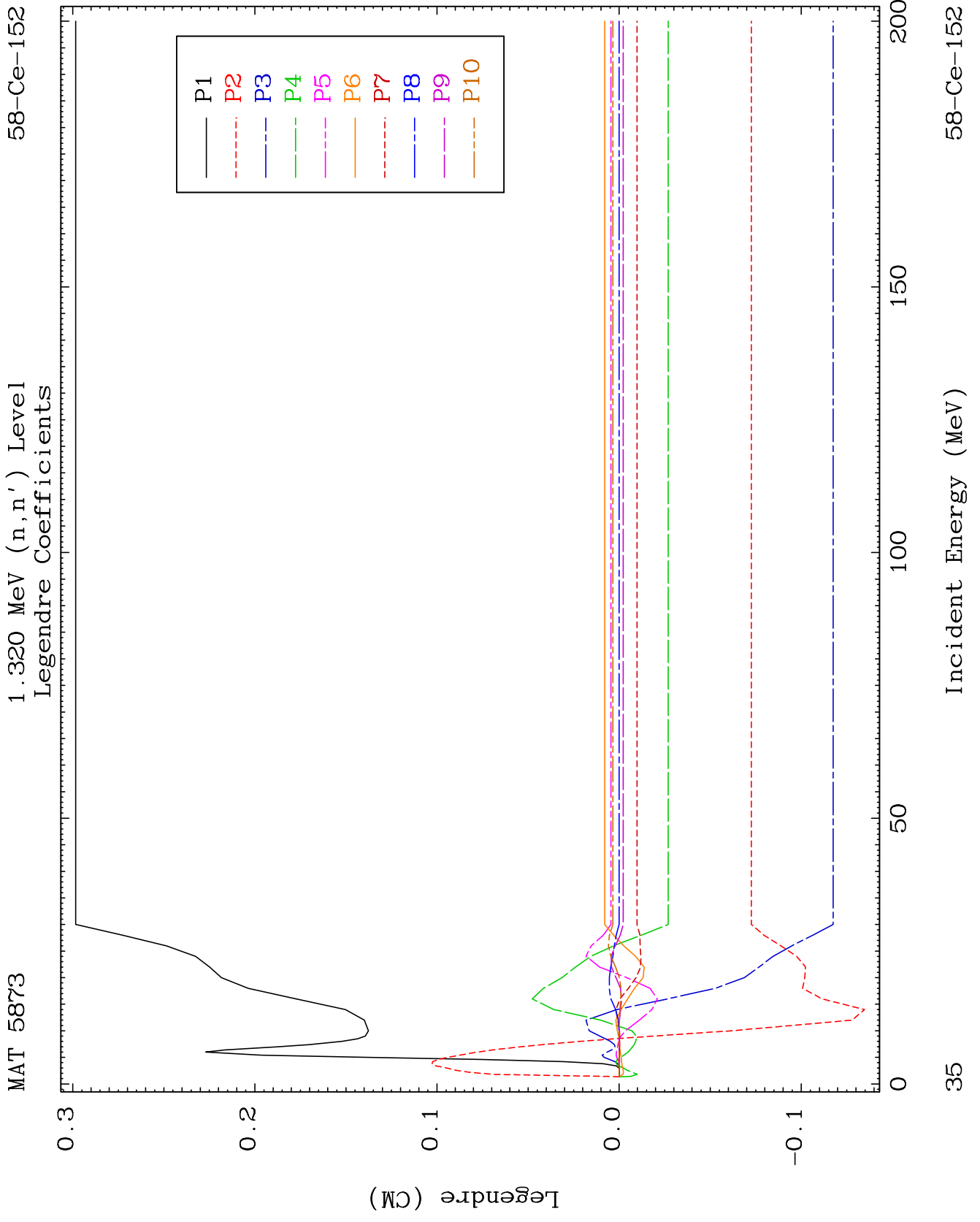


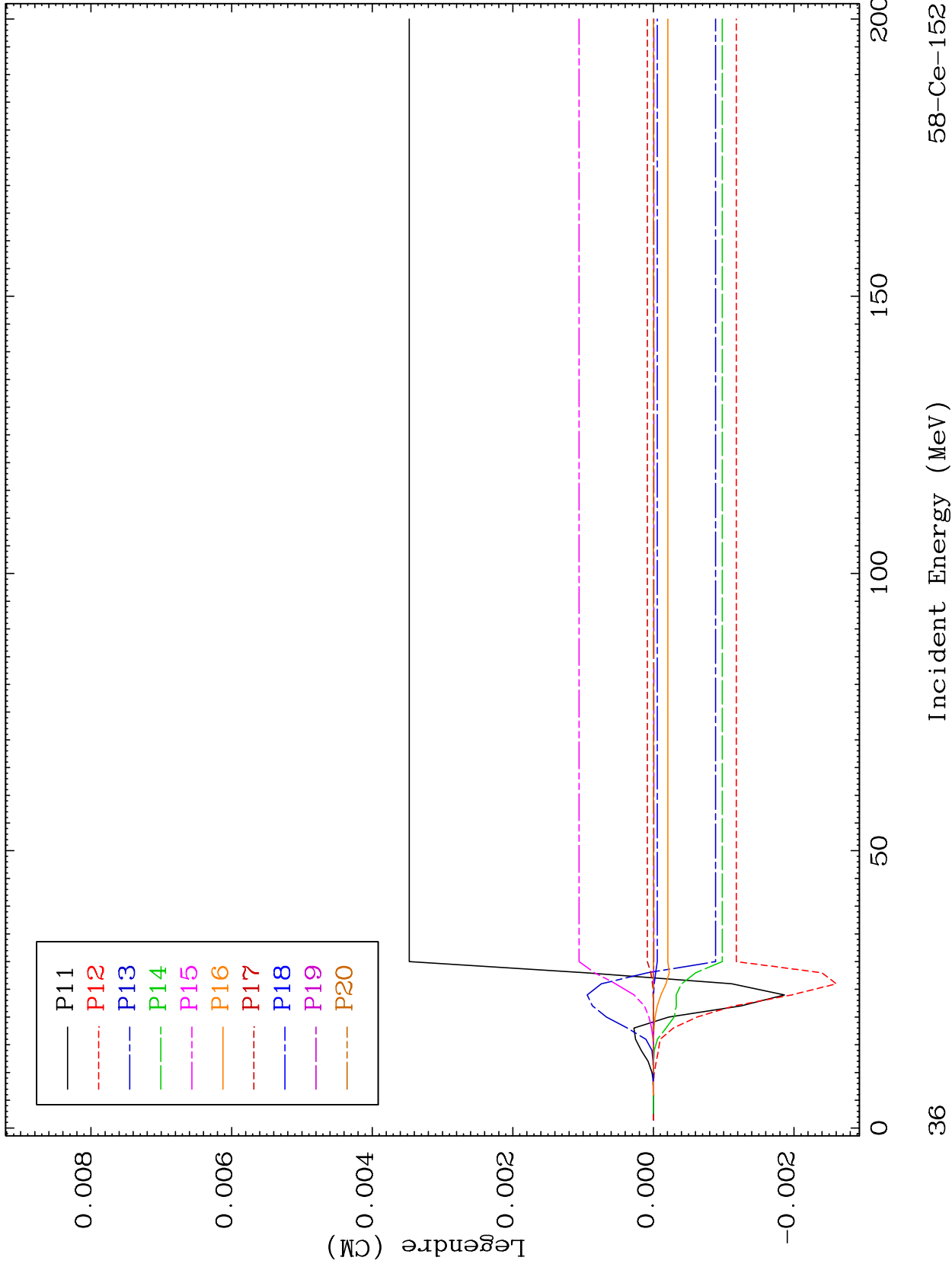
MAT 5873

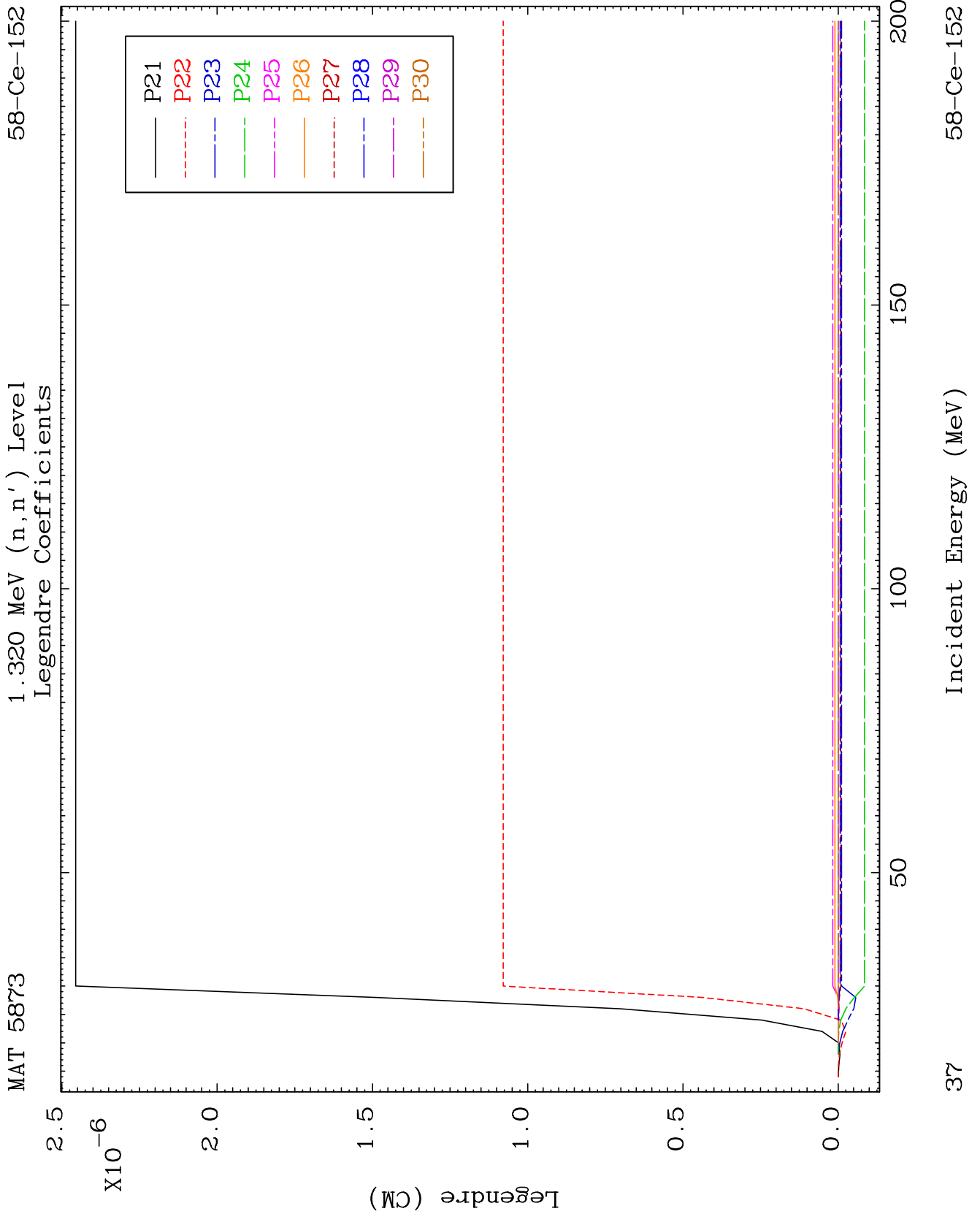
894.1 keV (n,n') Level
Legendre Coefficients

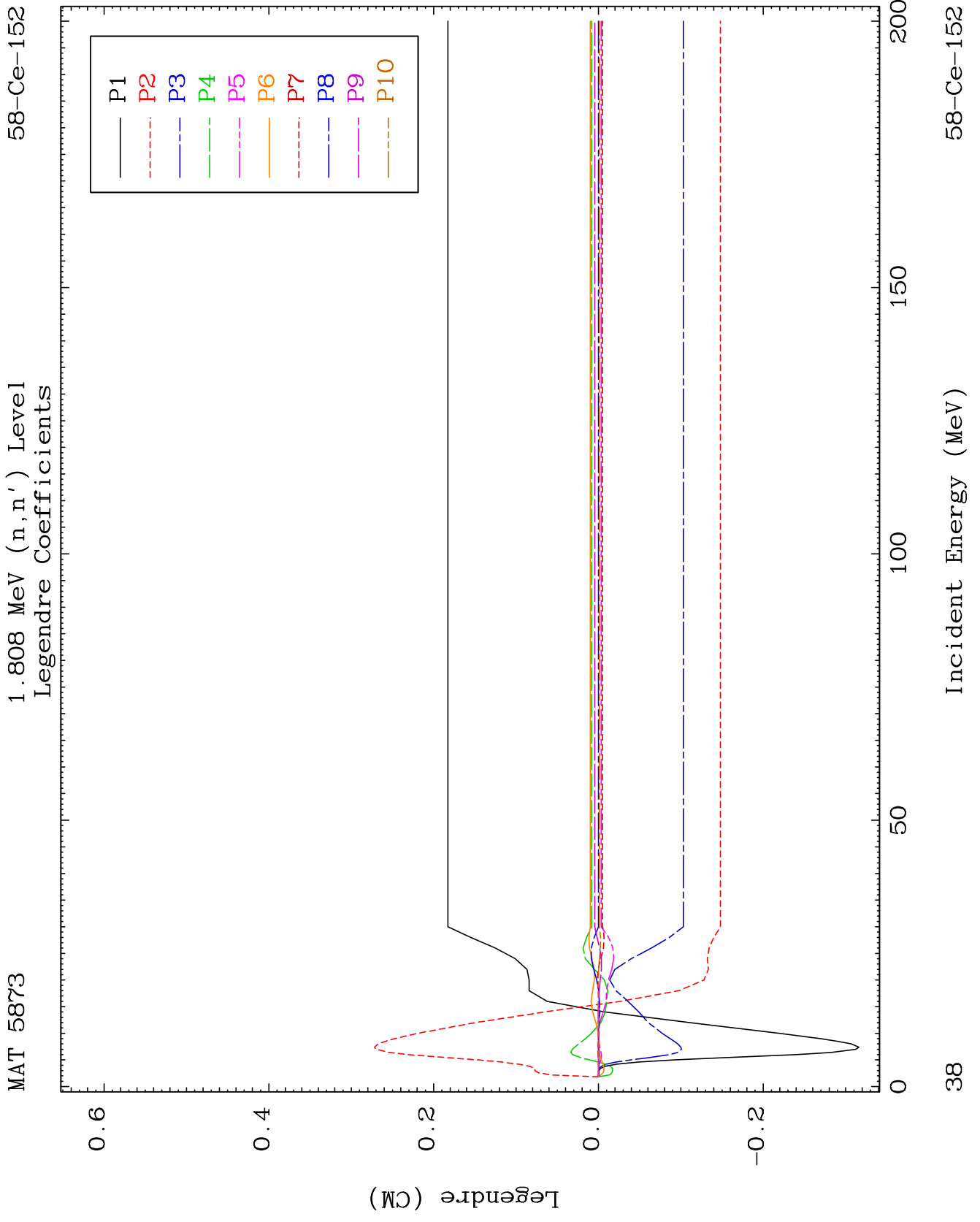
58-Ce-152







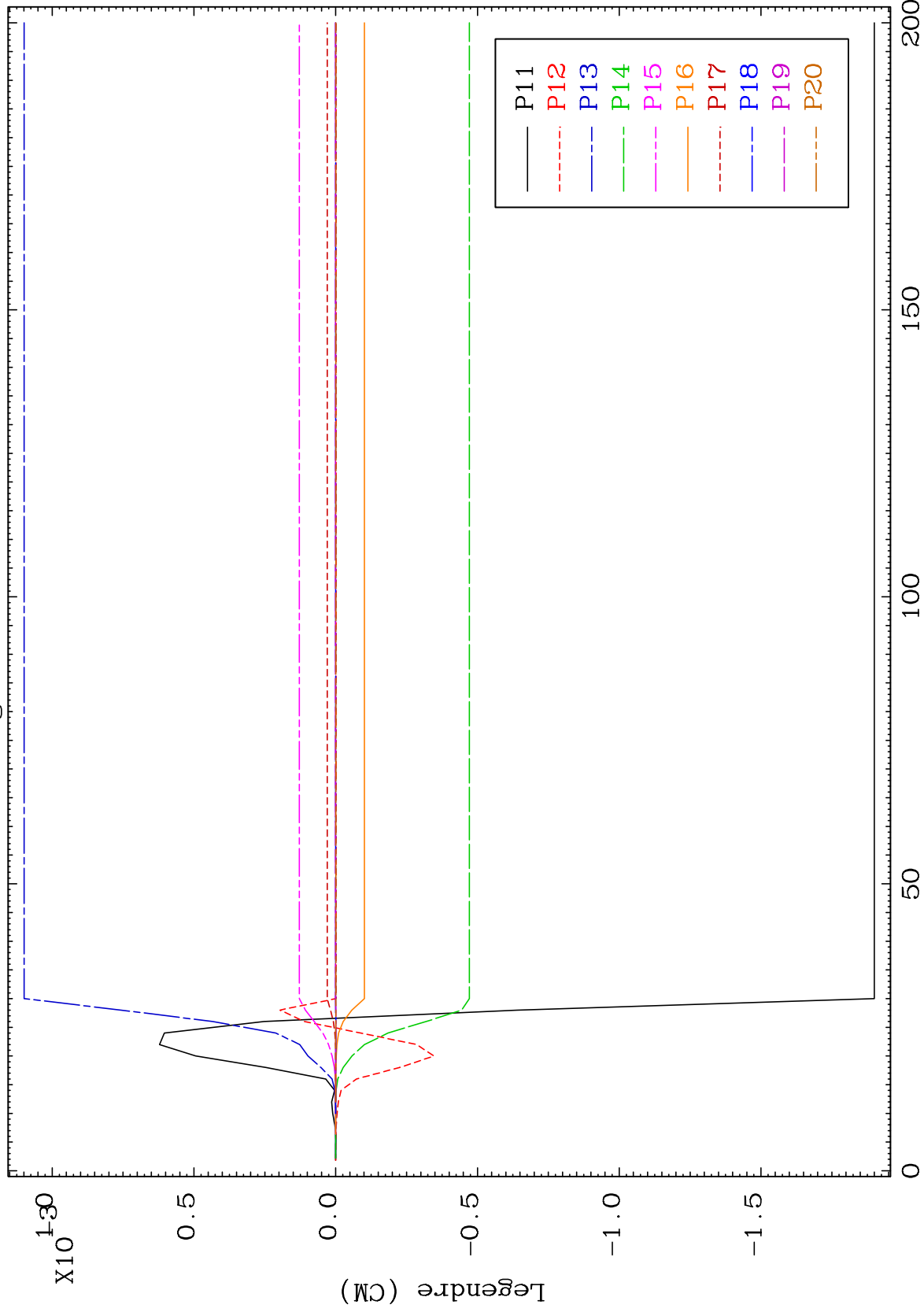




MAT 5873

1.808 MeV (n,n') Level
Legendre Coefficients

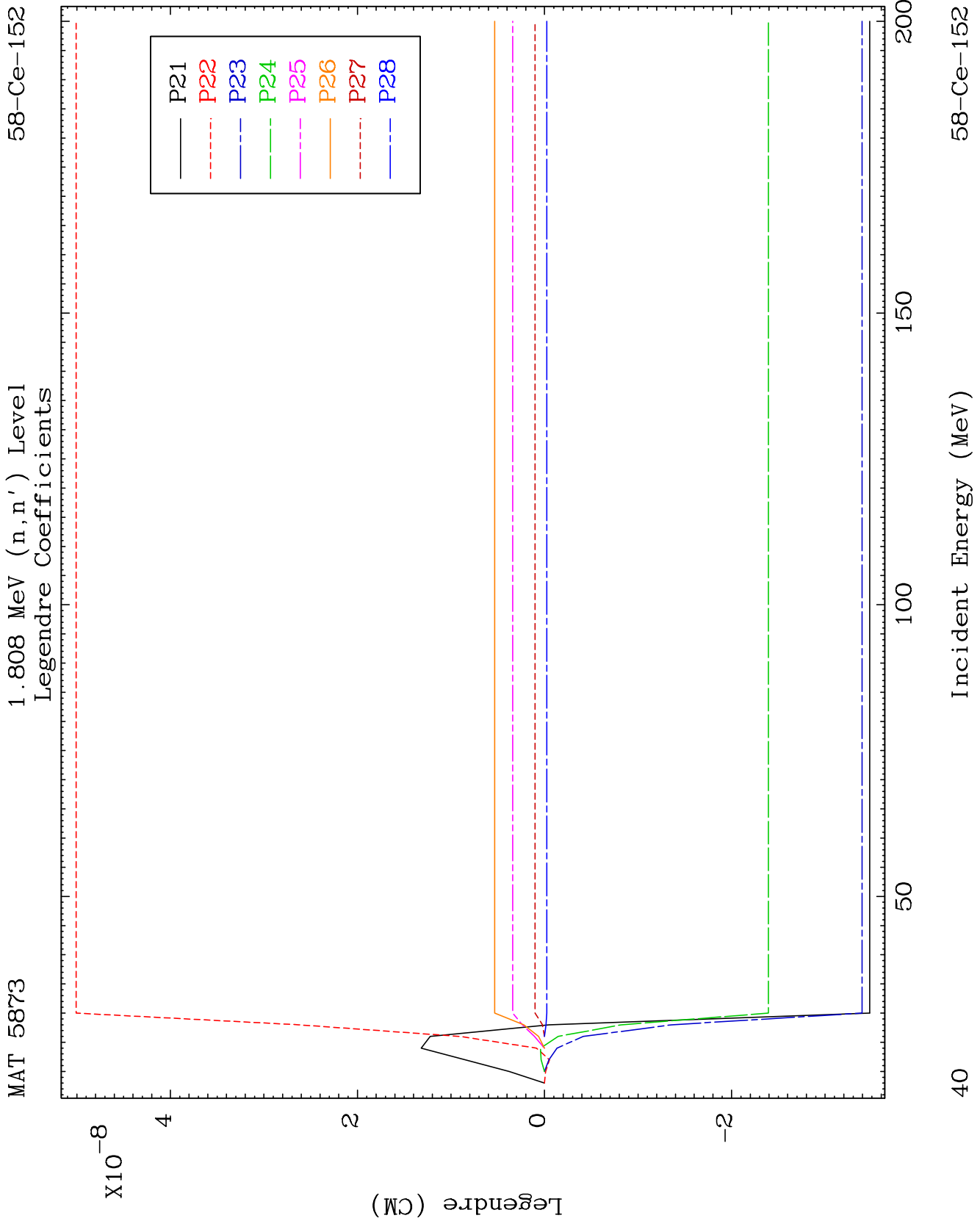
58-Ce-152



39

Incident Energy (MeV)

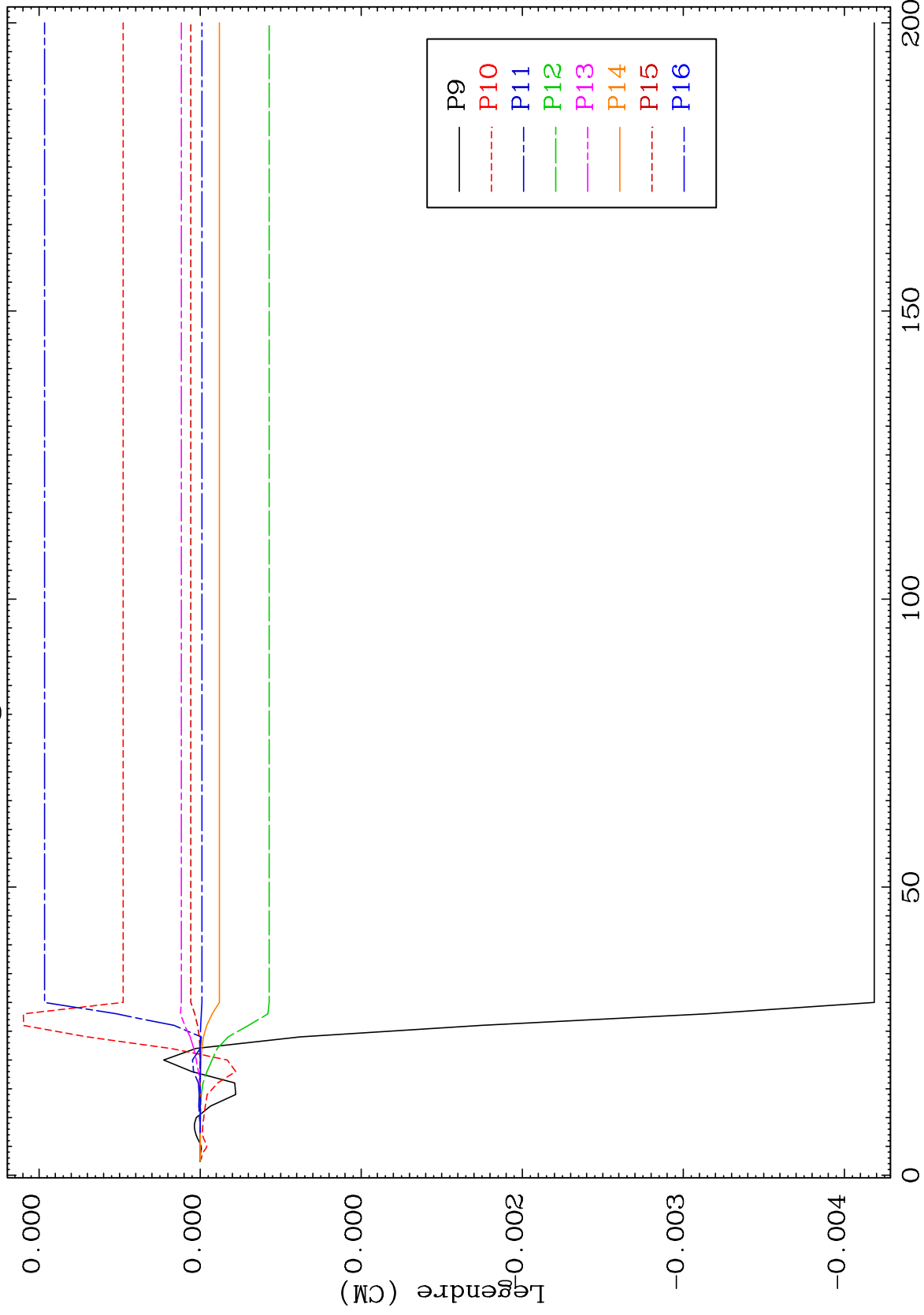
58-Ce-152



MAT 5873

2.346 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



42

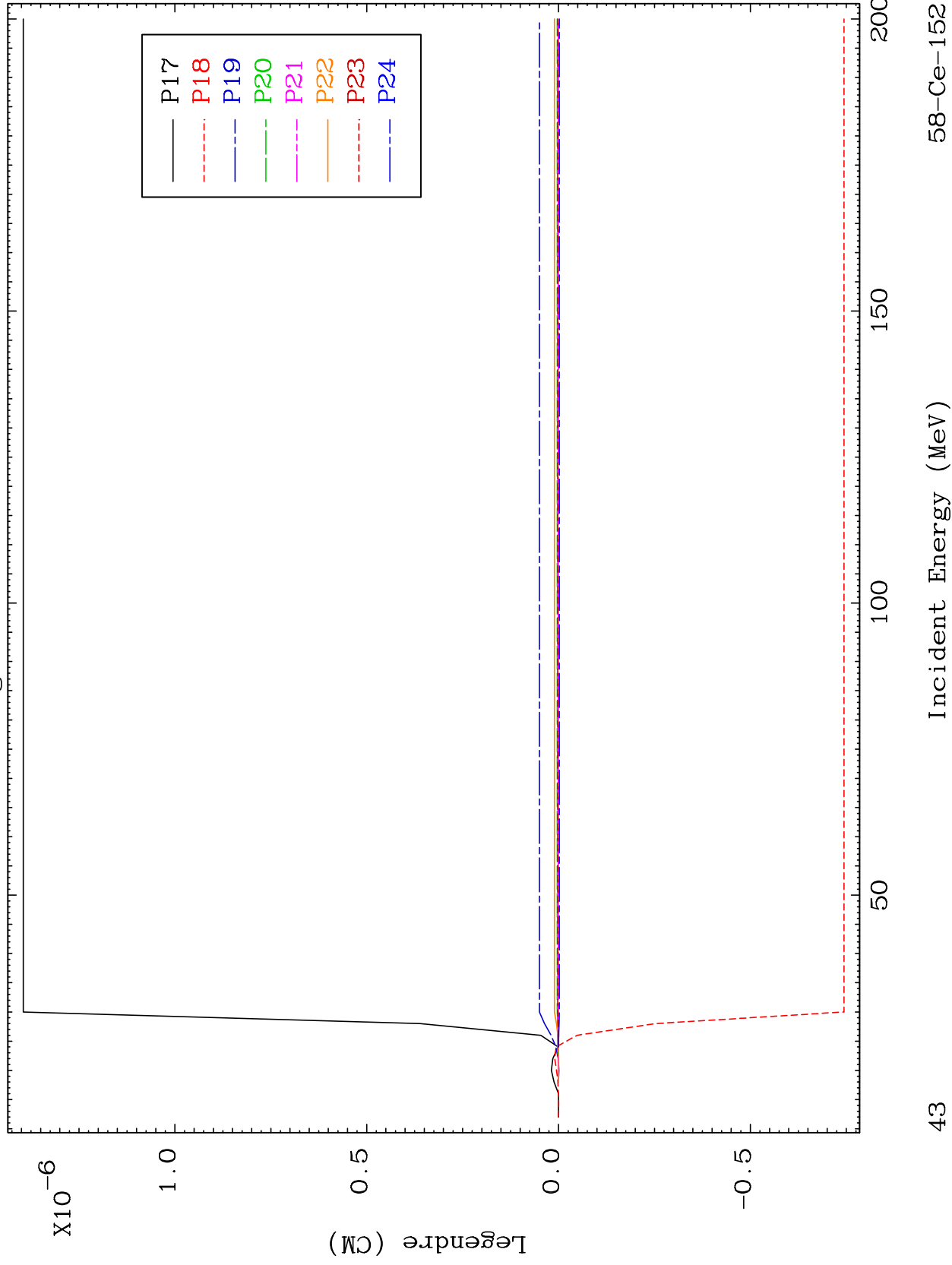
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.346 MeV (n, n') Level
Legendre Coefficients

58-Ce-152



43

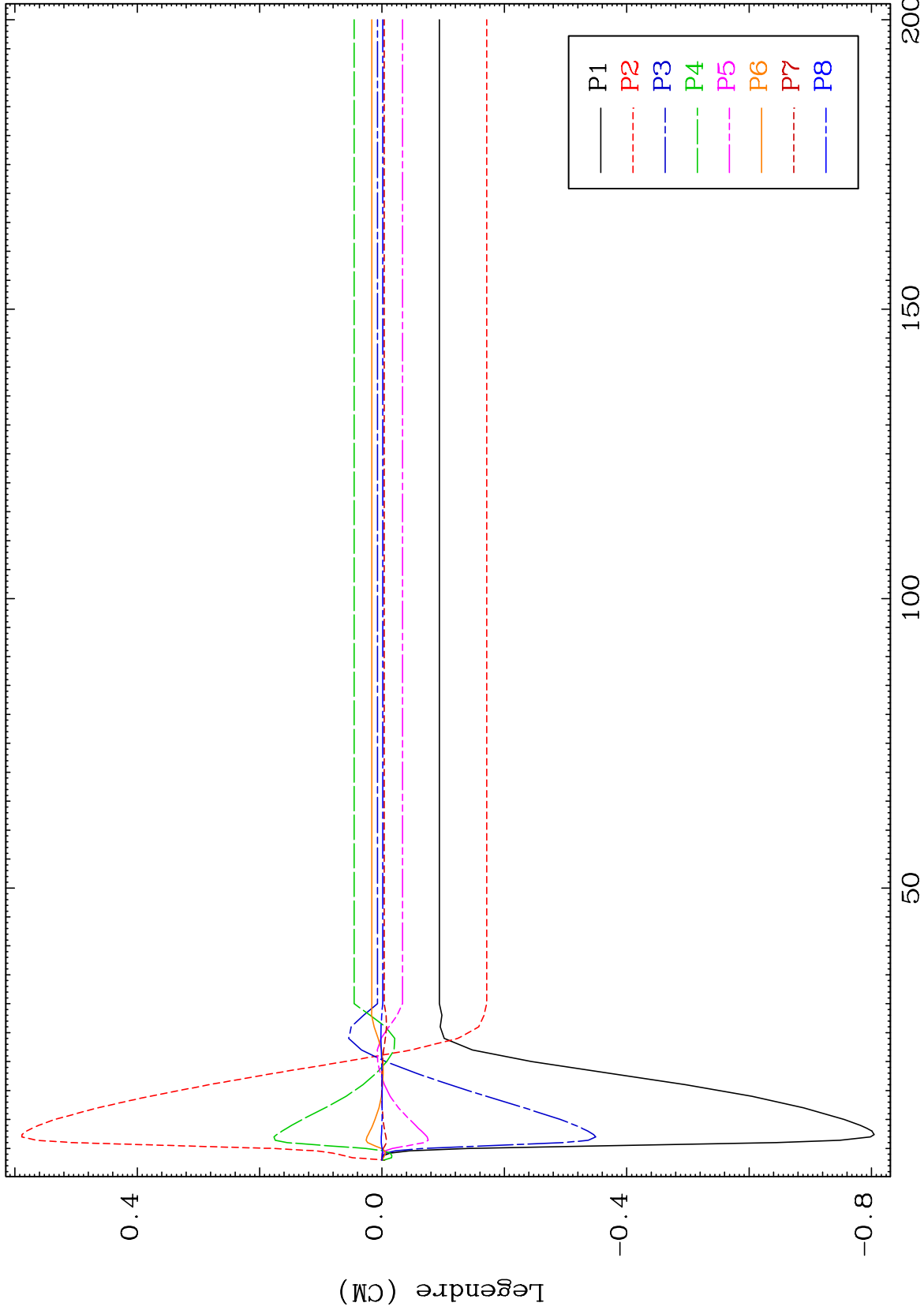
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.925 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



44

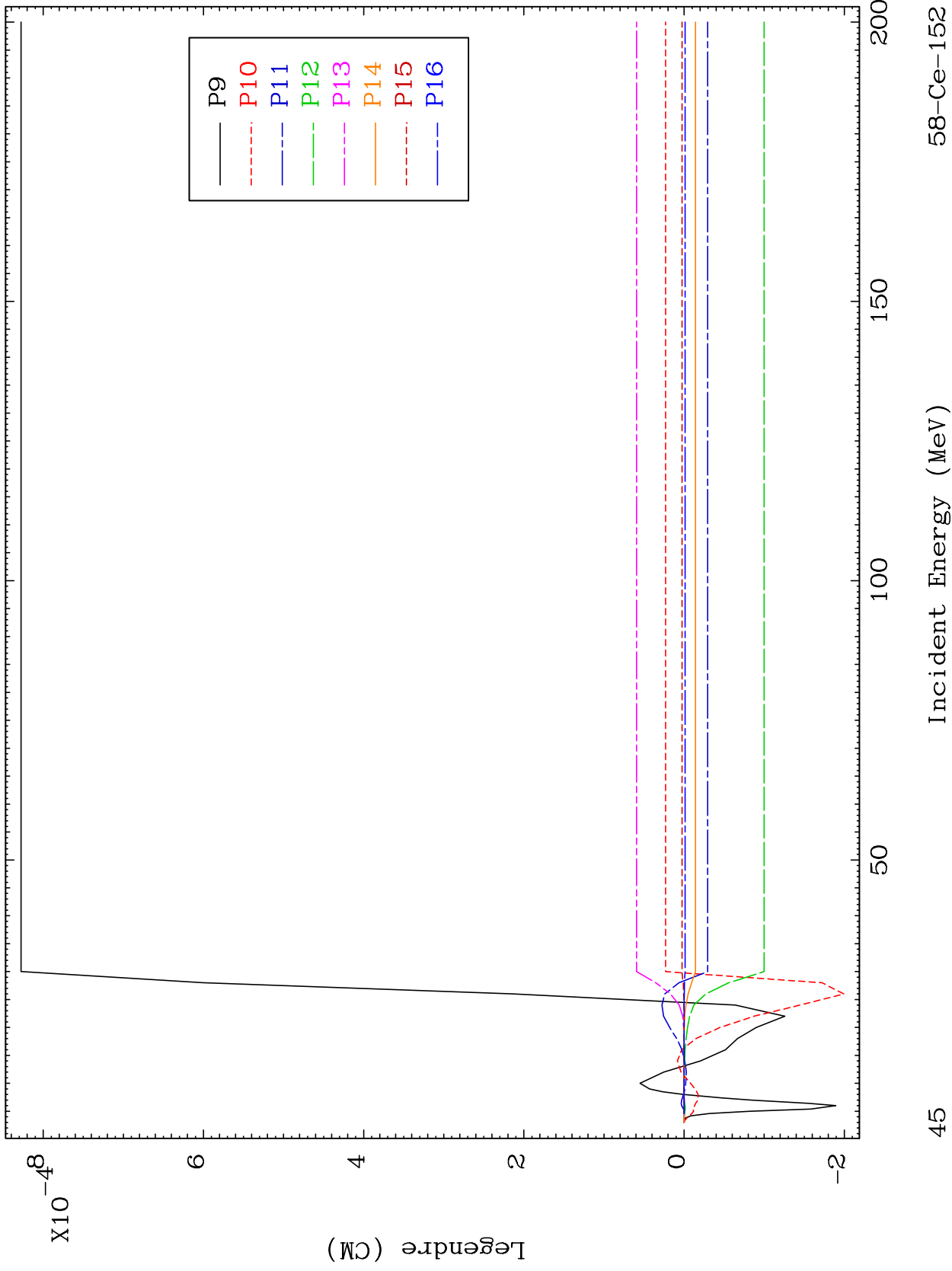
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.925 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



45

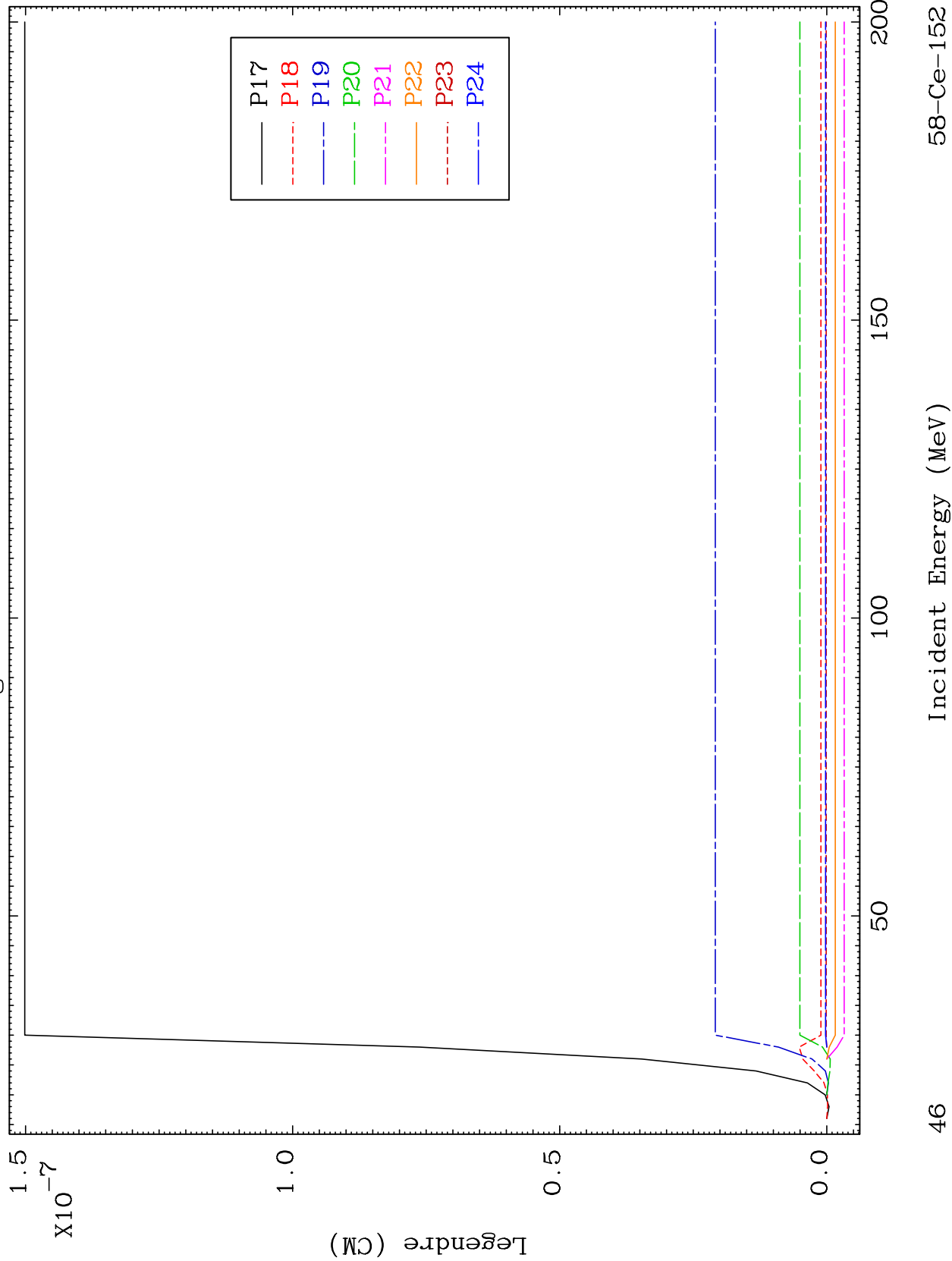
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.925 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



46

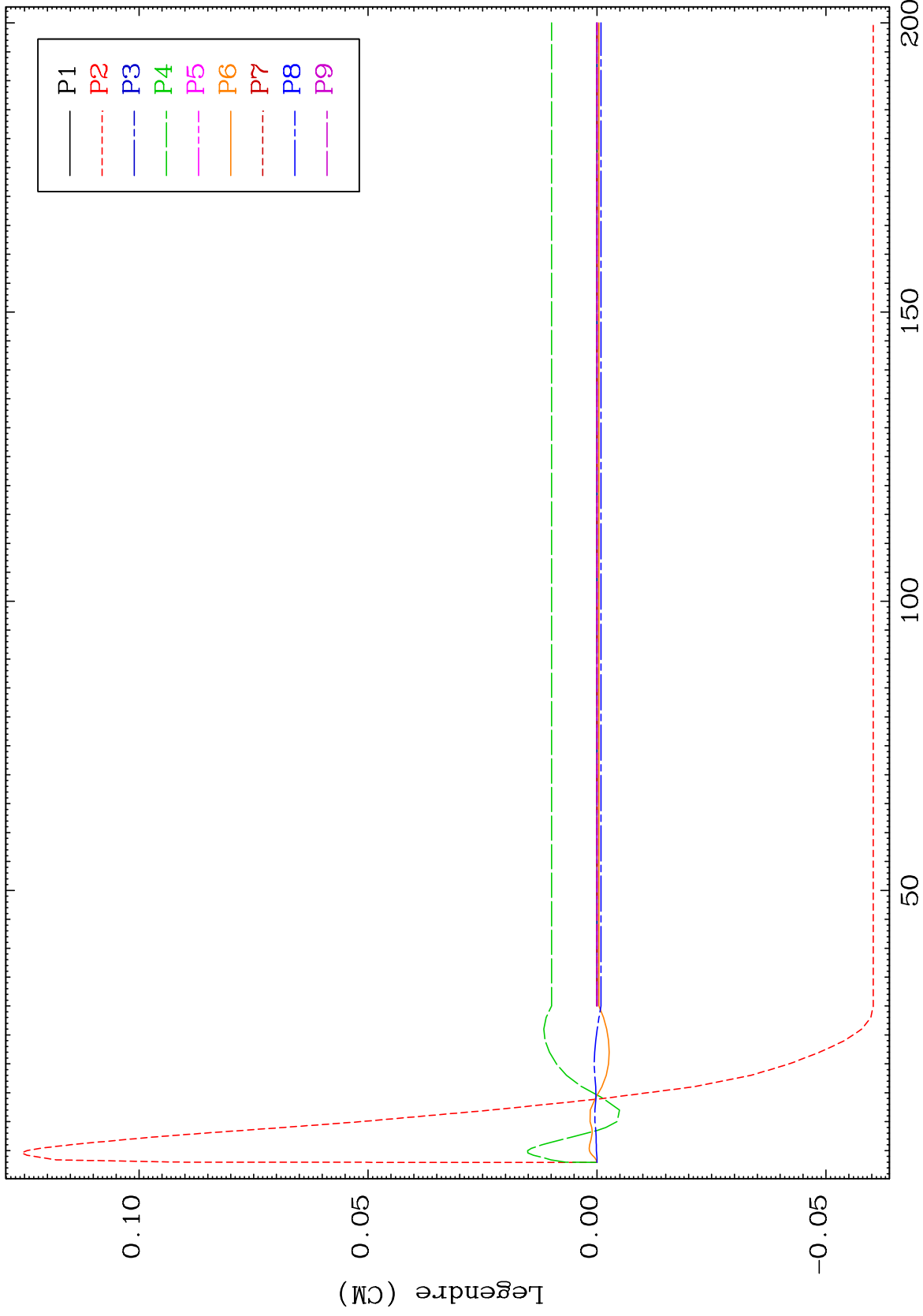
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.926 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



47

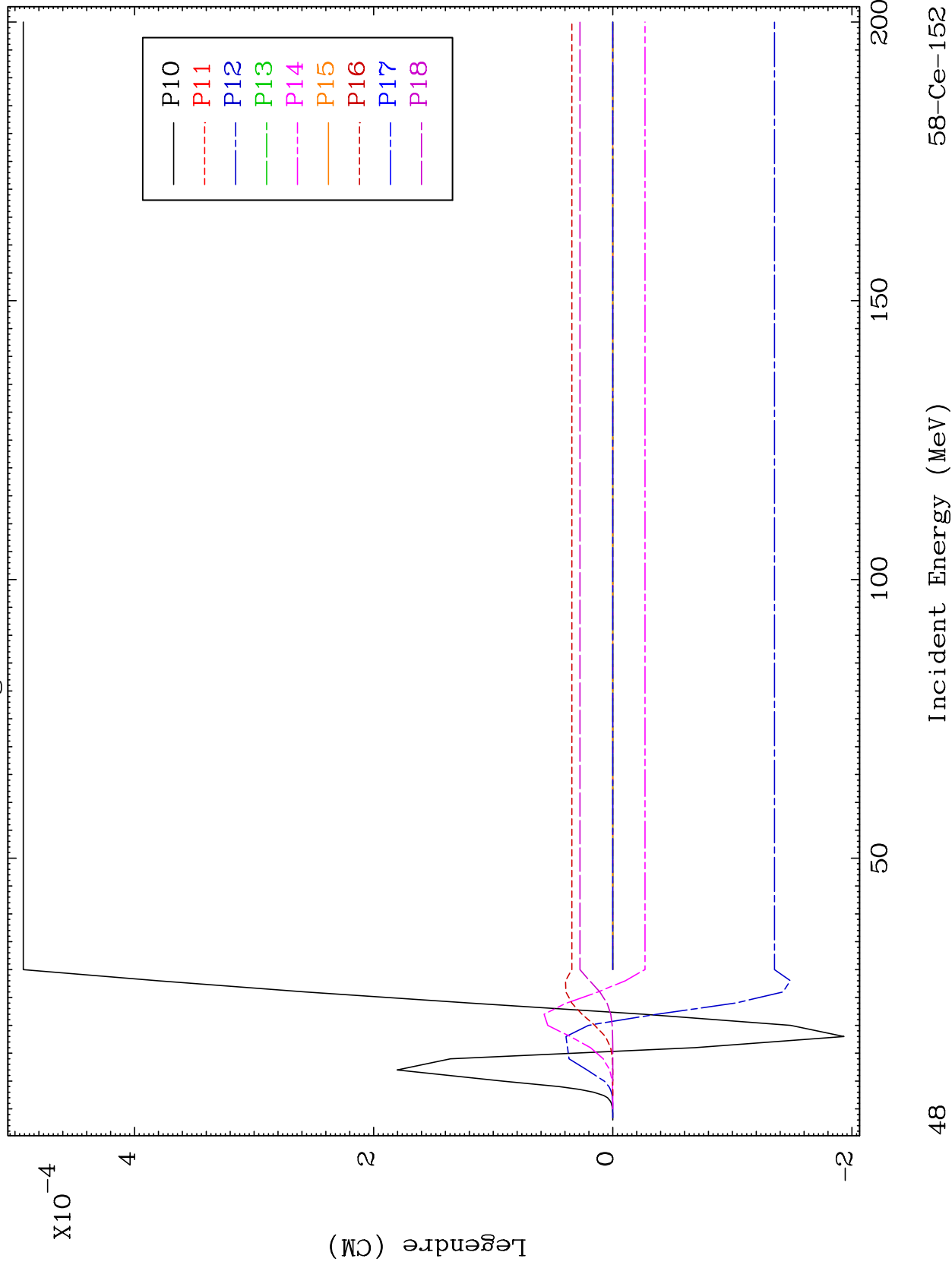
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.926 MeV (n,n') Level
Legendre Coefficients

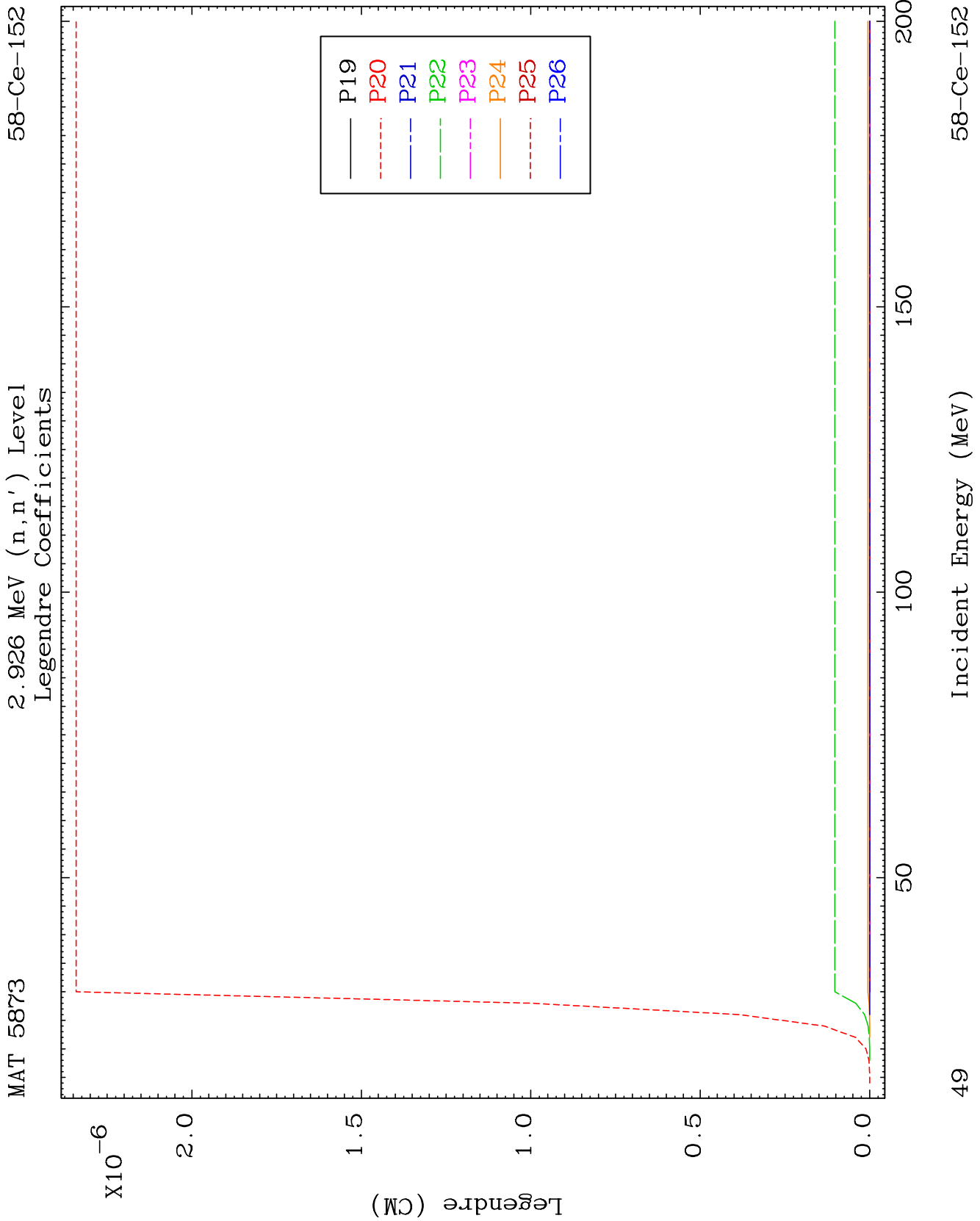
58-Ce-152

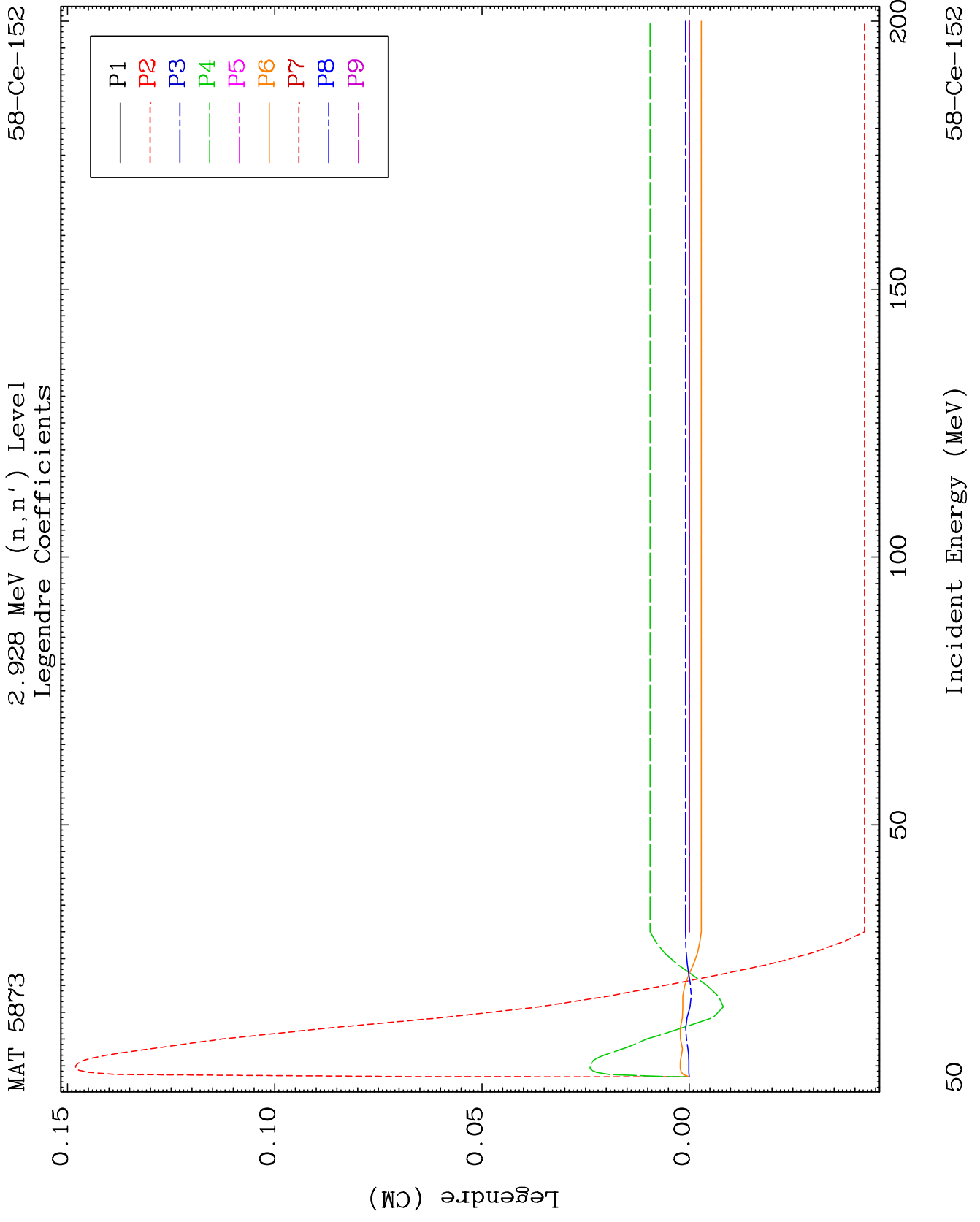


48

Incident Energy (MeV)

58-Ce-152

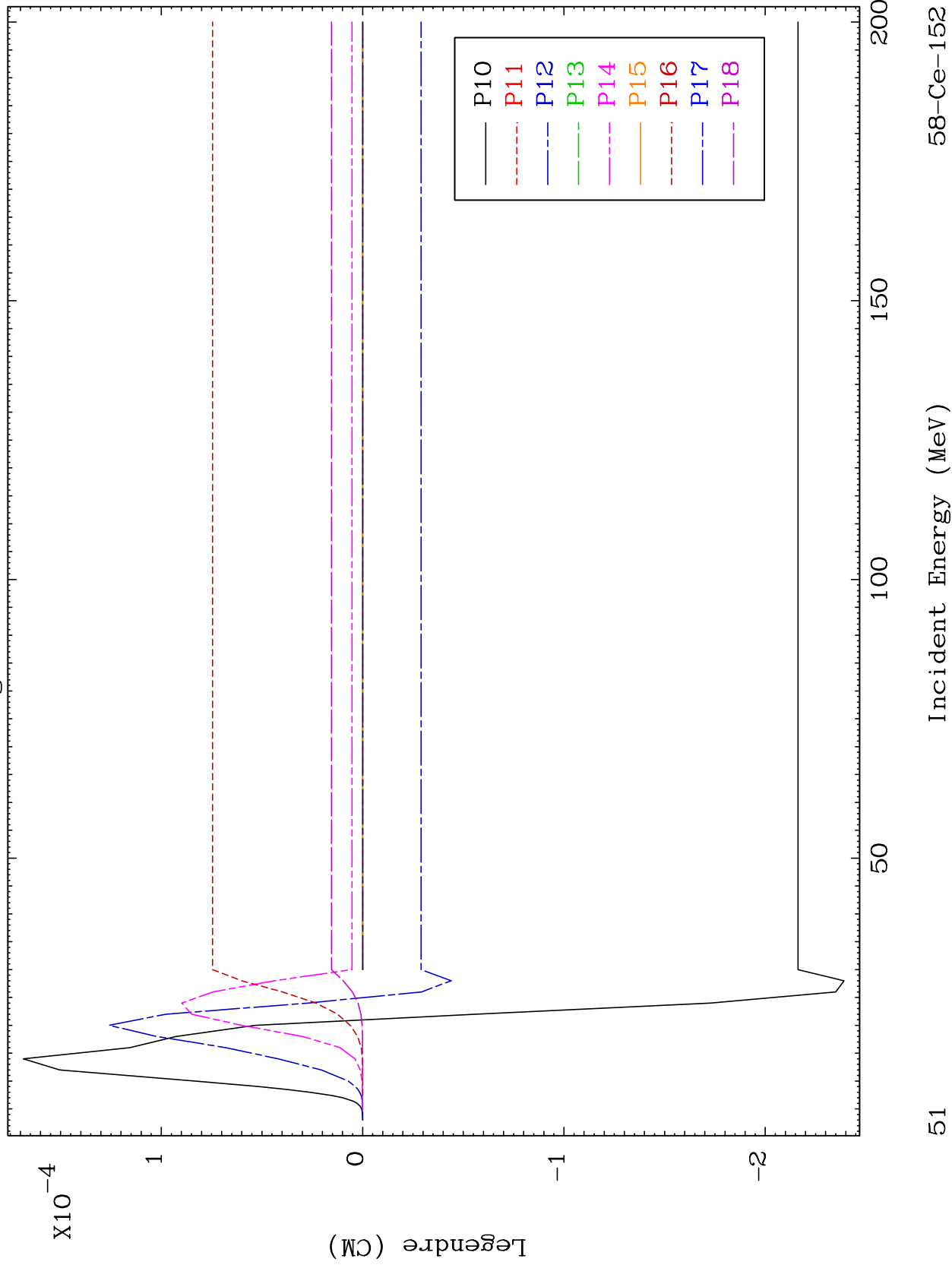




MAT 5873

2.928 MeV (n, n') Level
Legendre Coefficients

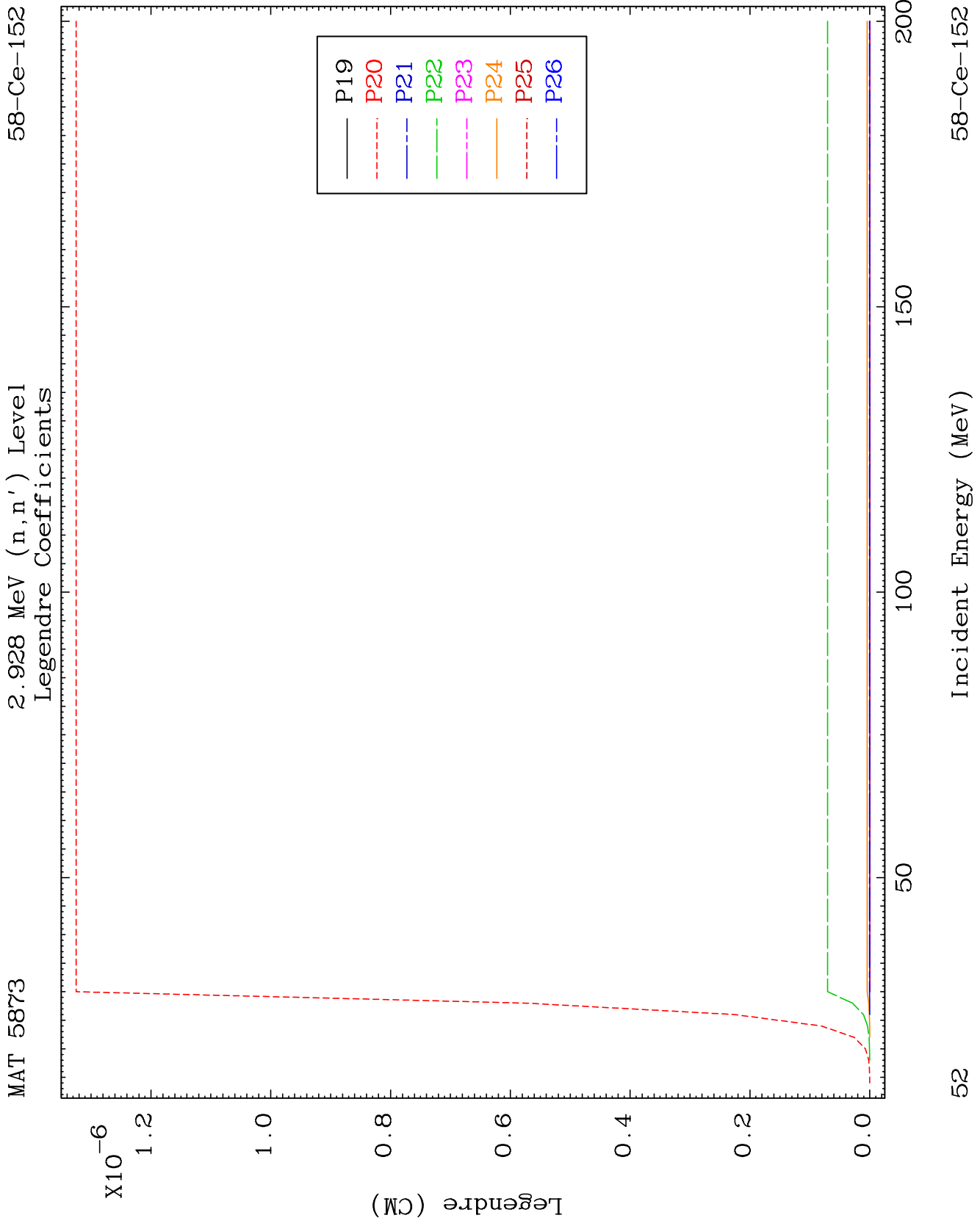
58-Ce-152



51

Incident Energy (MeV)

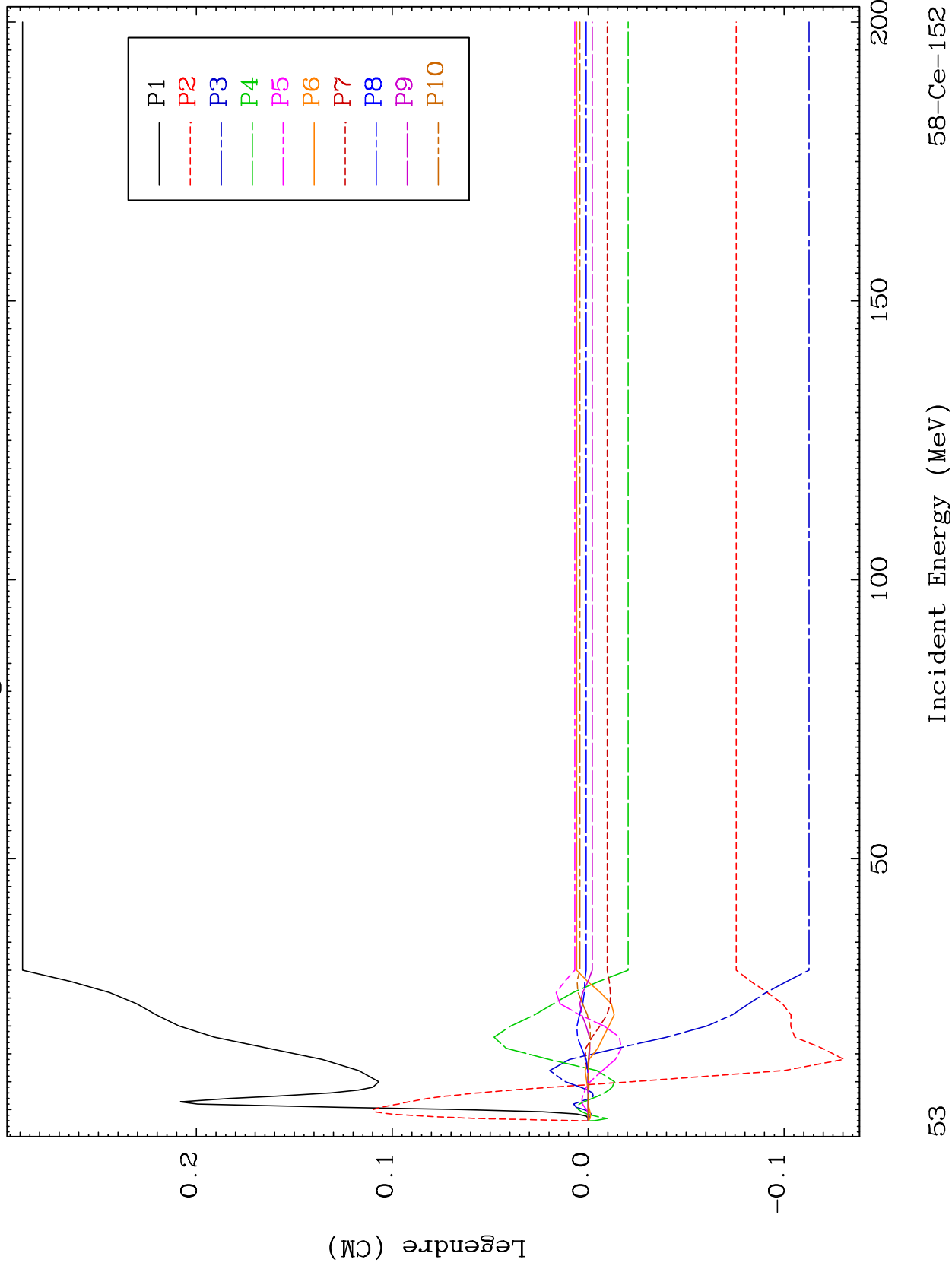
58-Ce-152



MAT 5873

2.941 MeV (n,n') Level
Legendre Coefficients

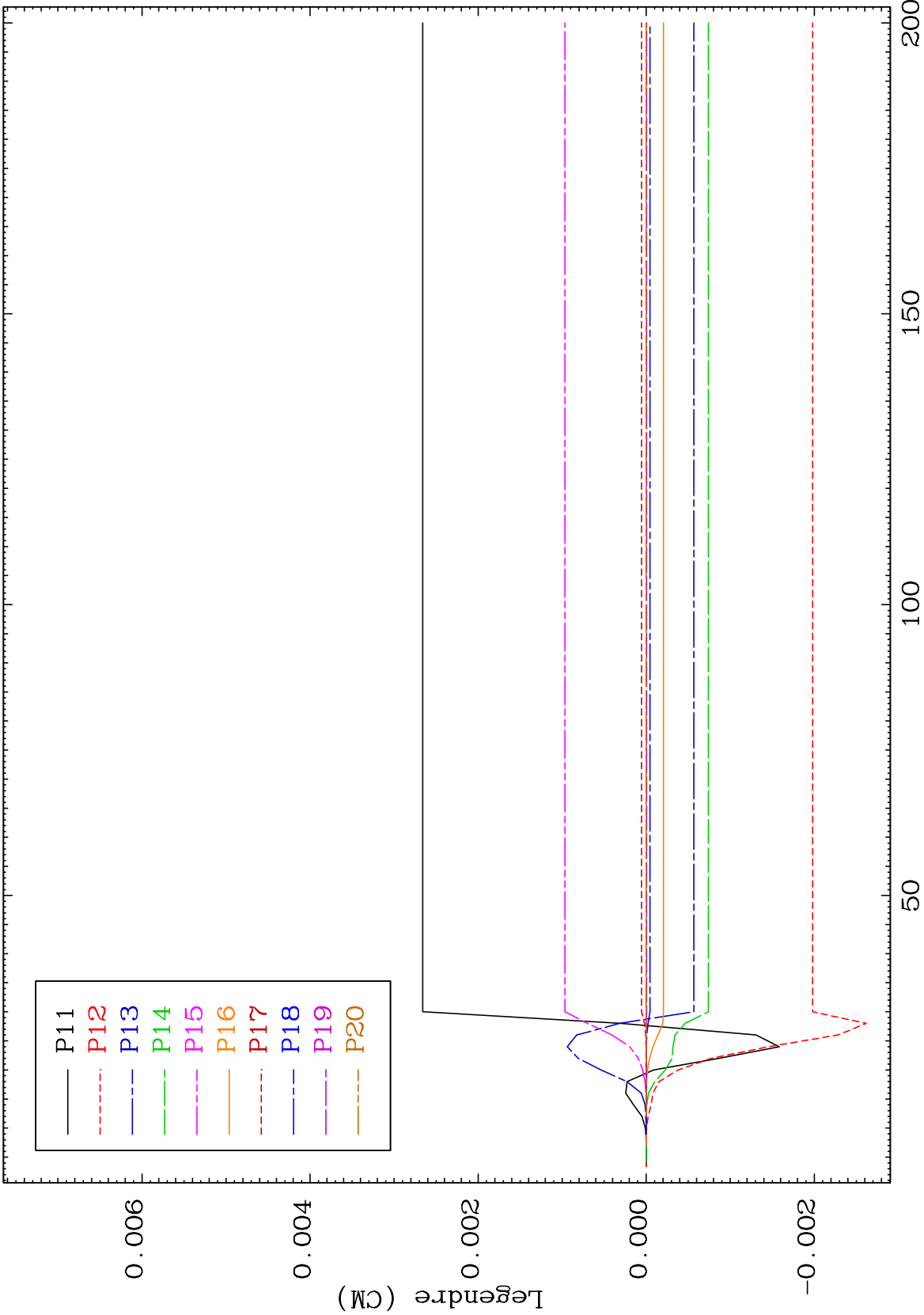
58-Ce-152



53

Incident Energy (MeV)

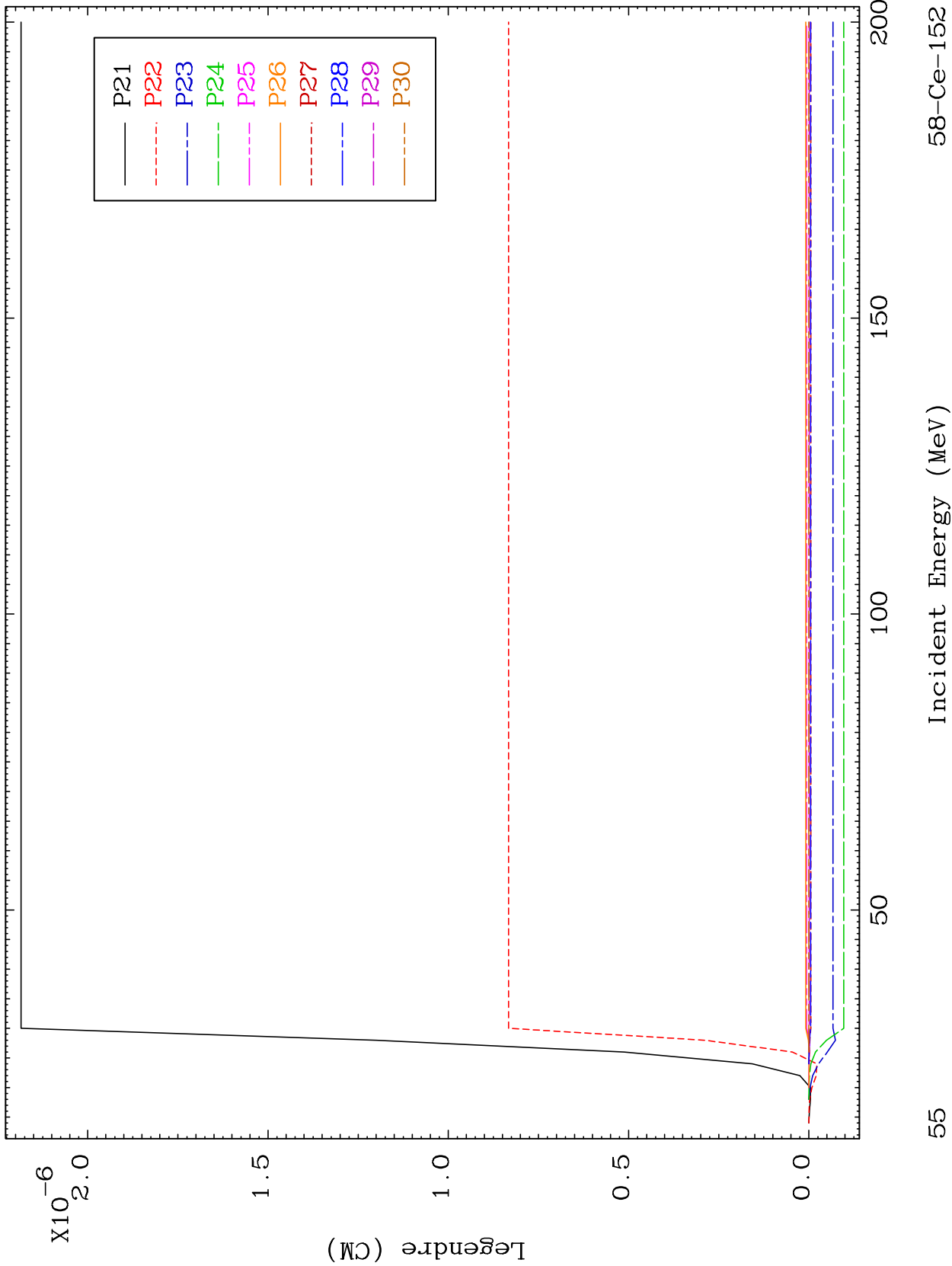
58-Ce-152



MAT 5873

2.941 MeV (n,n') Level
Legendre Coefficients

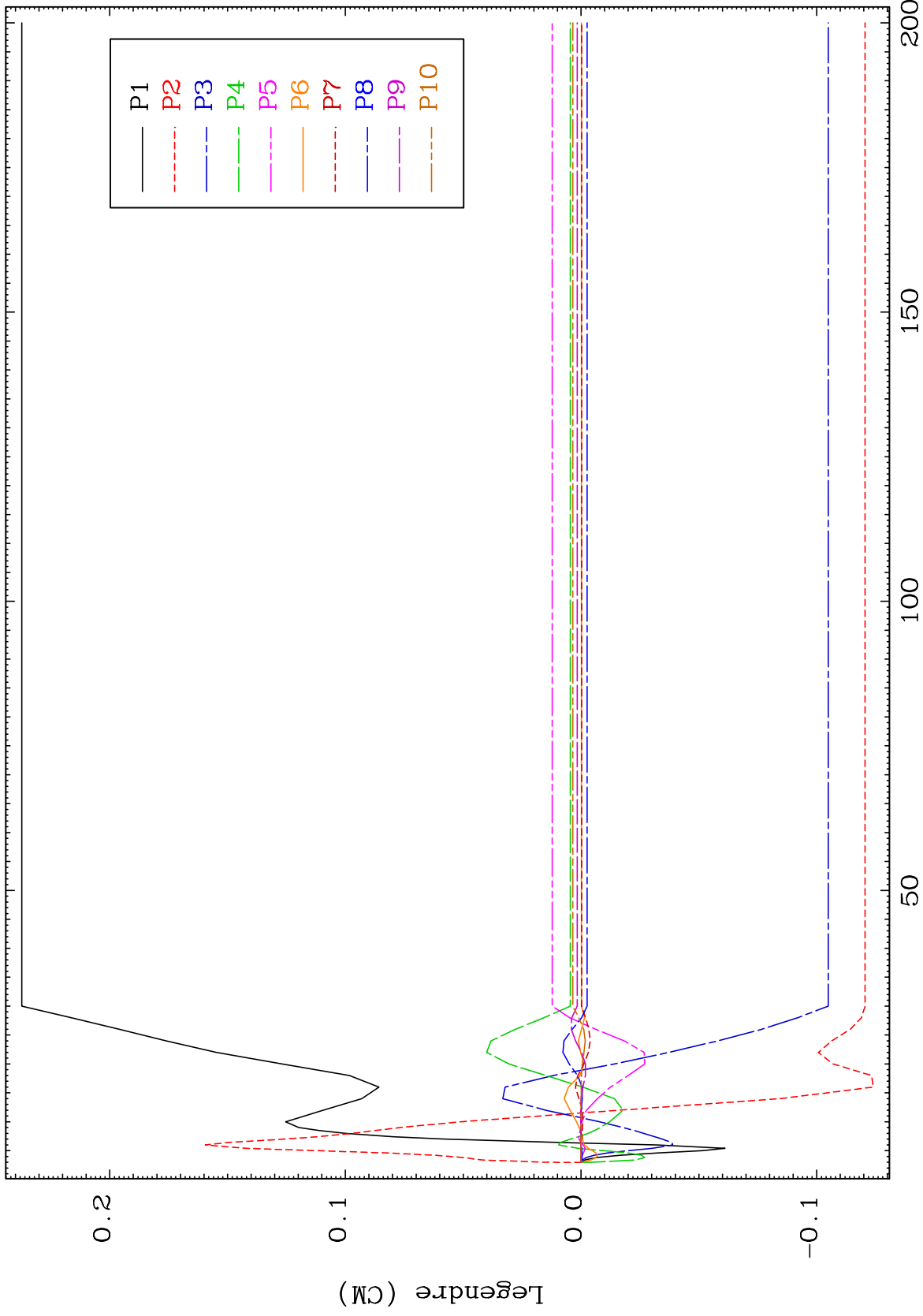
58-Ce-152



55

Incident Energy (MeV)

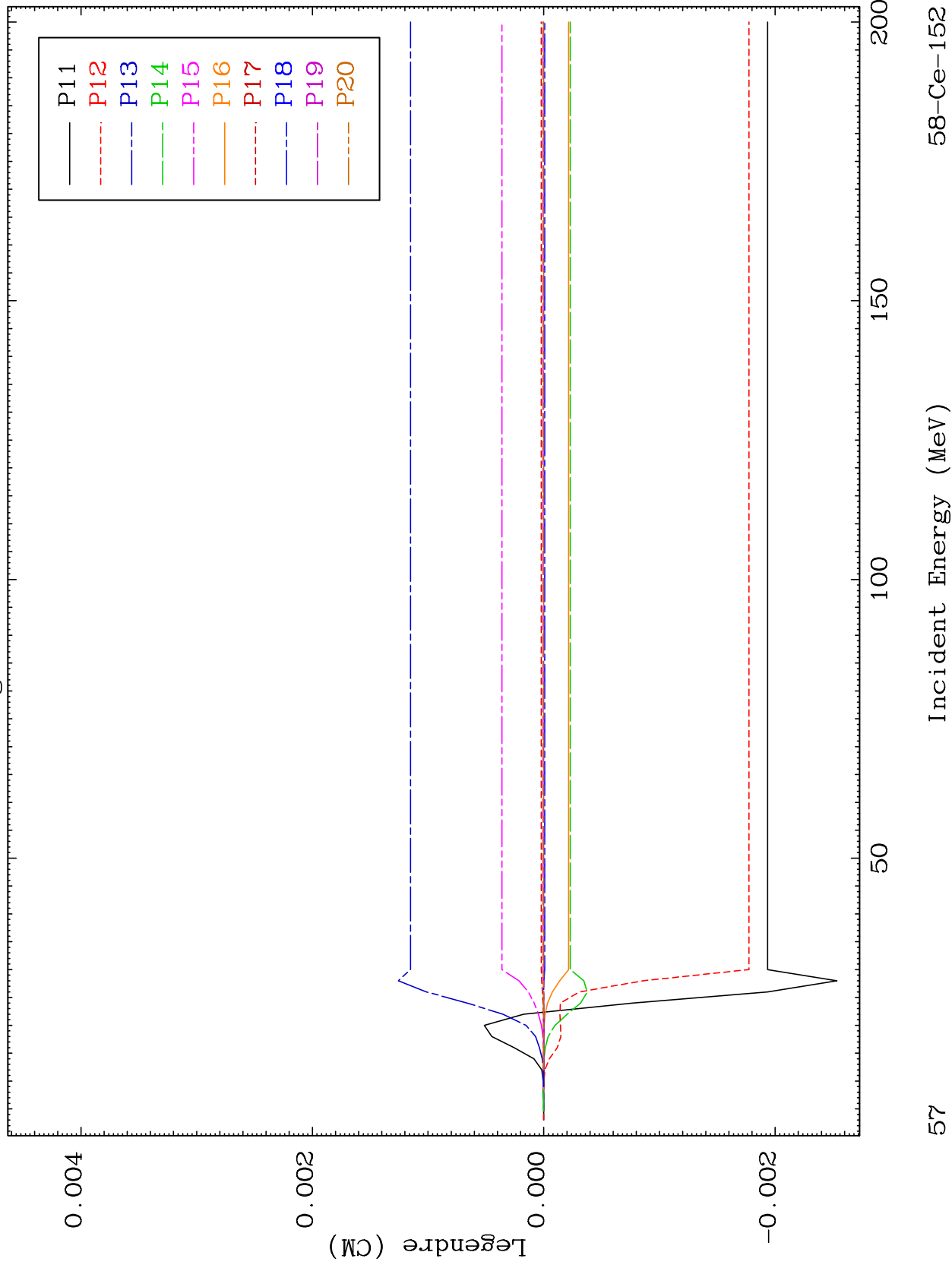
58-Ce-152



MAT 5873

2.943 MeV (n,n') Level
Legendre Coefficients

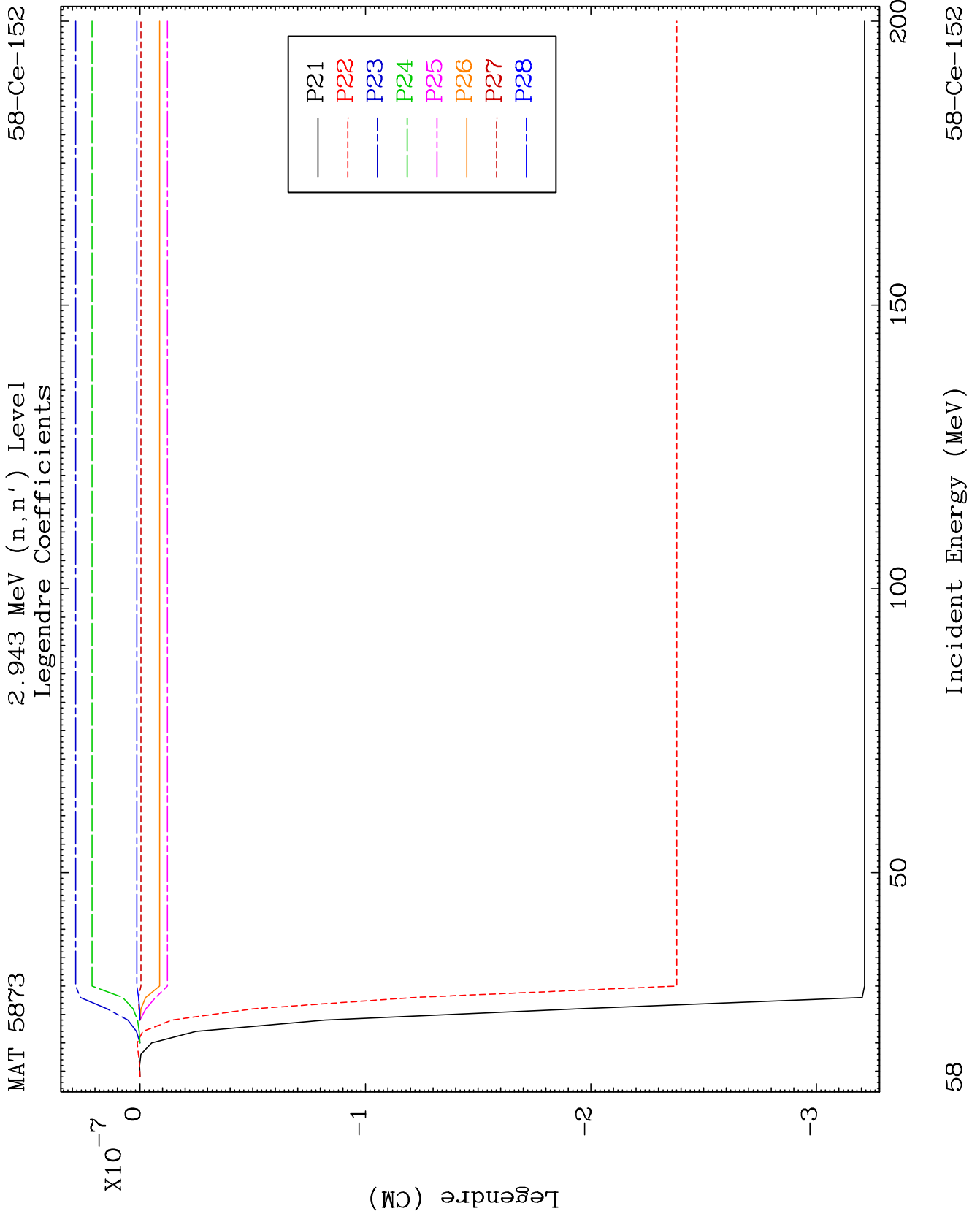
58-Ce-152

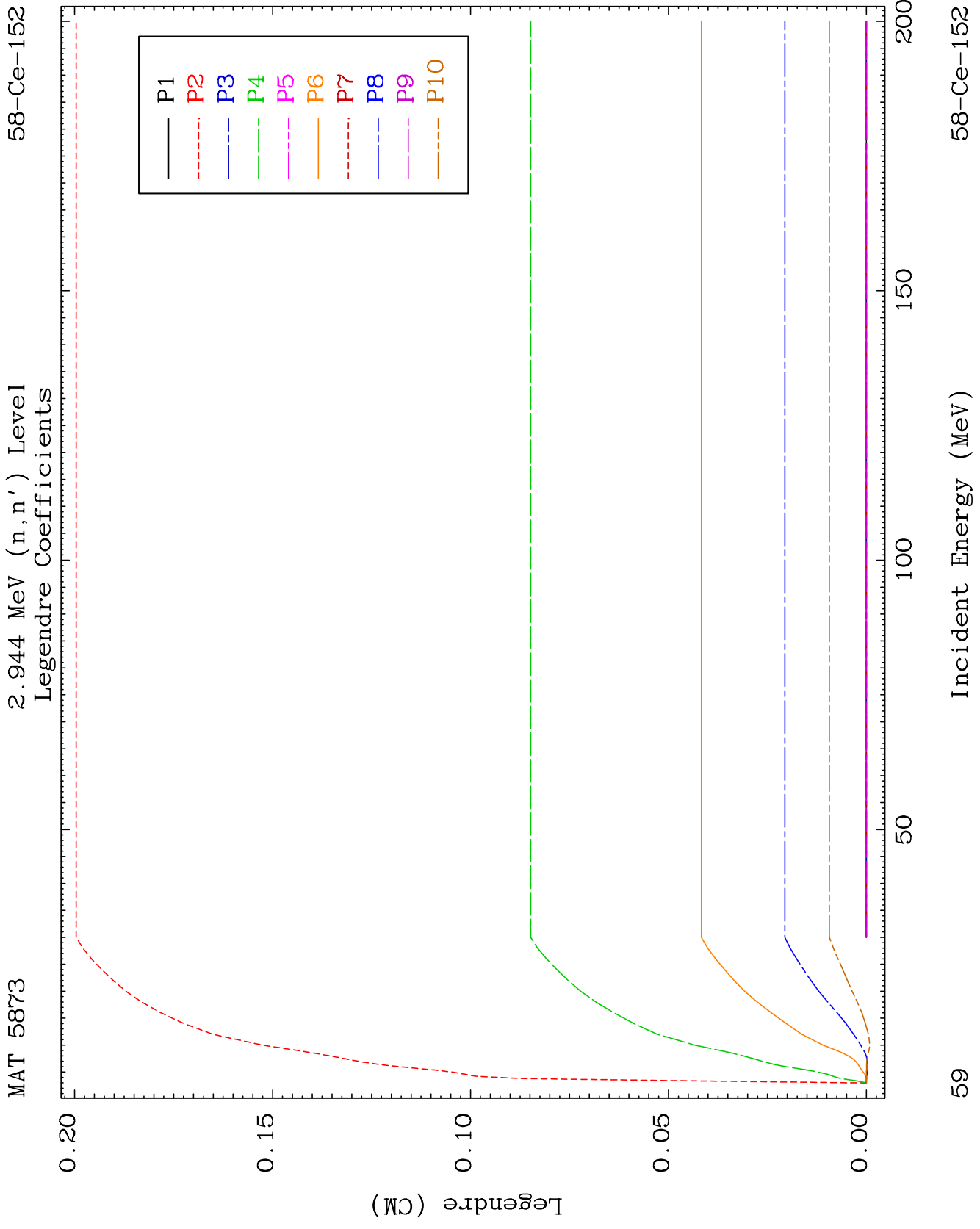


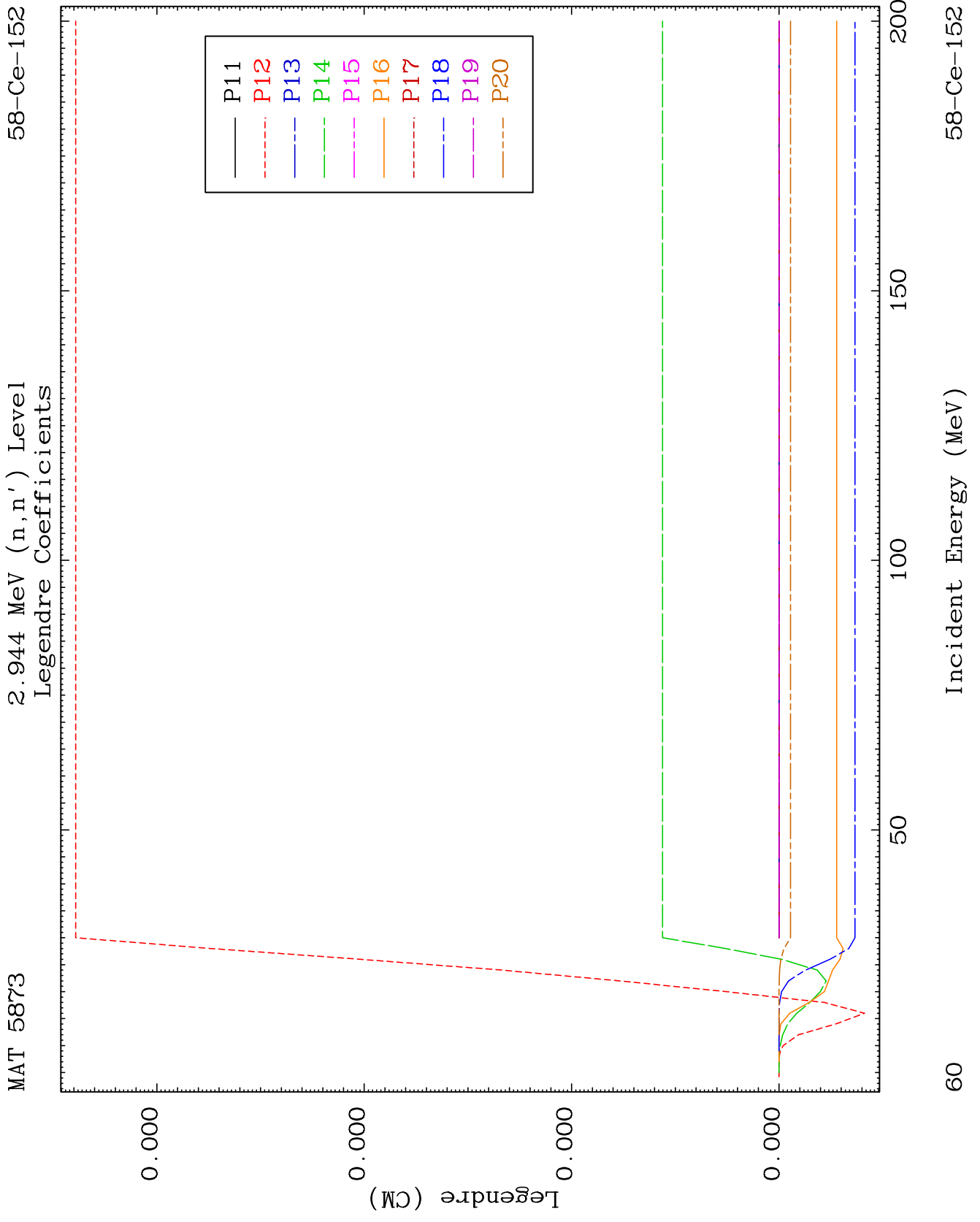
57

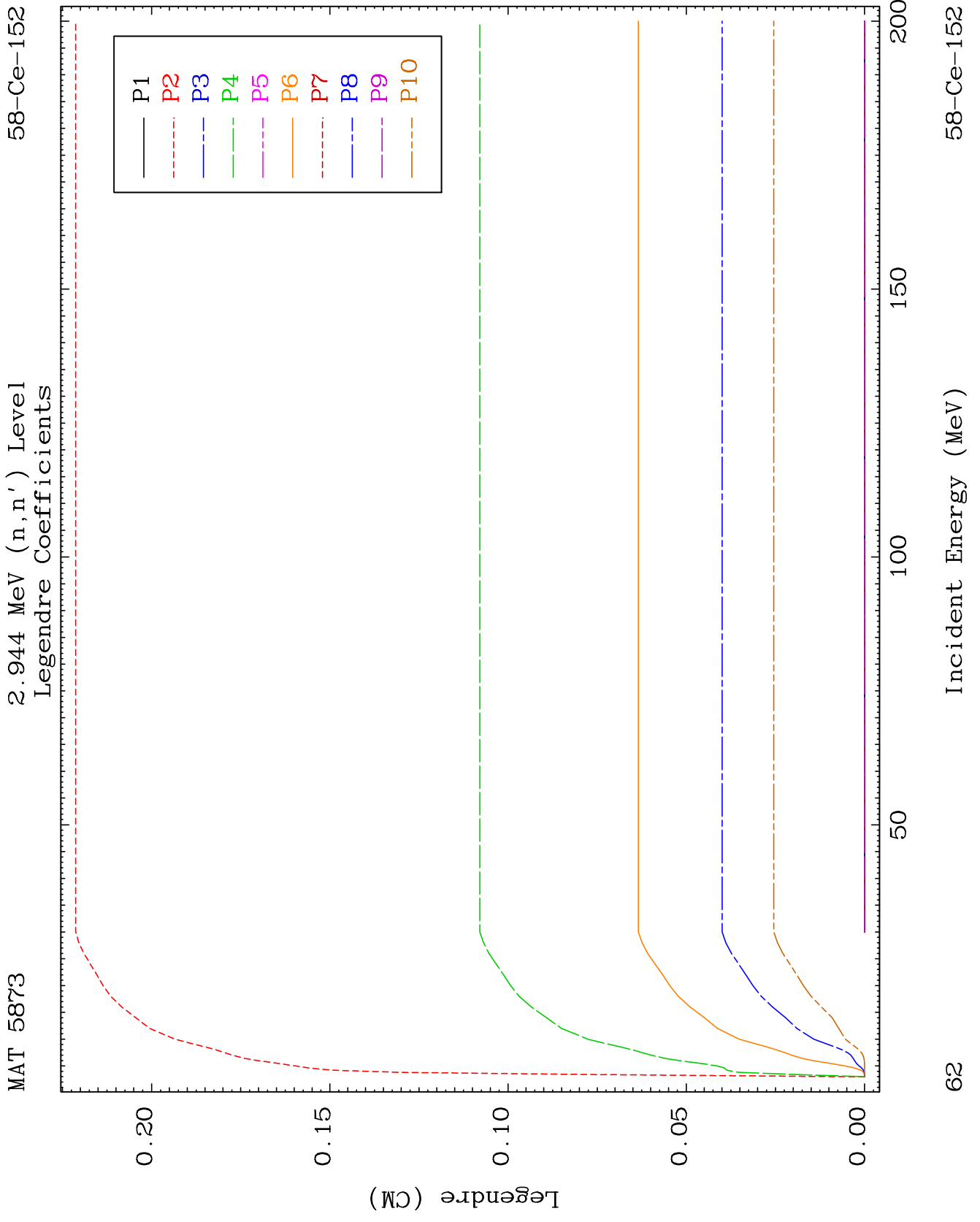
Incident Energy (MeV)

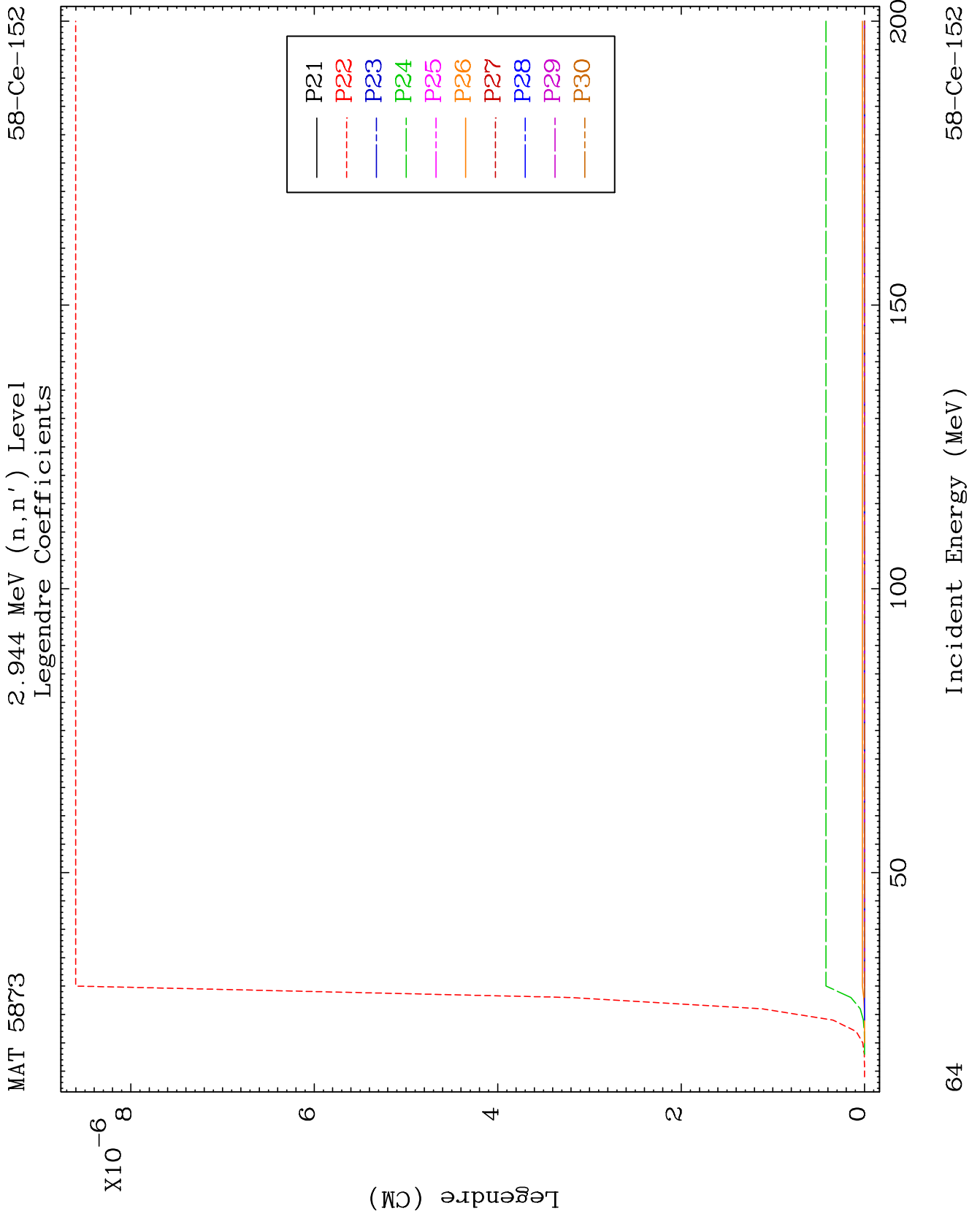
58-Ce-152







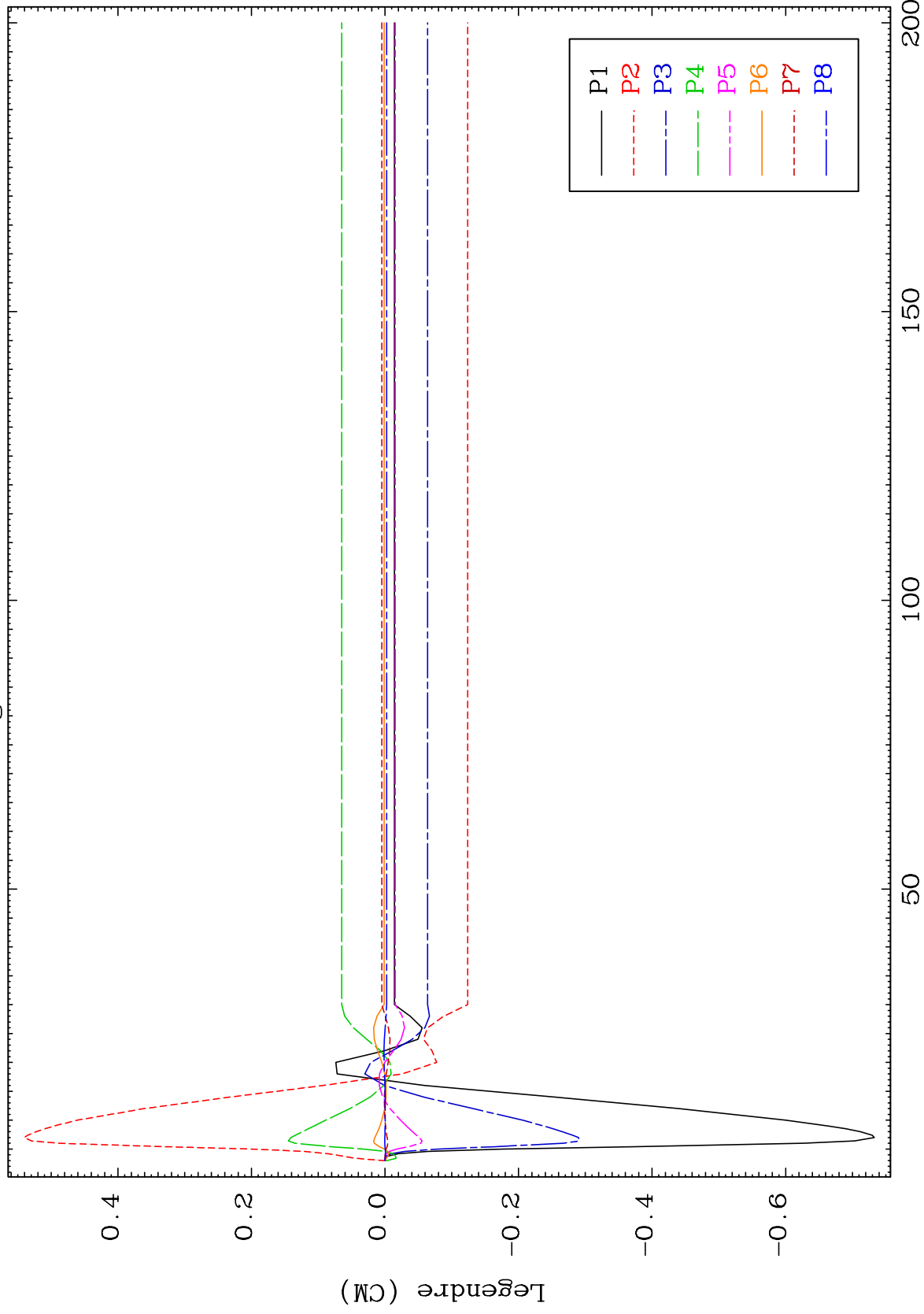




MAT 5873

2.956 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



65

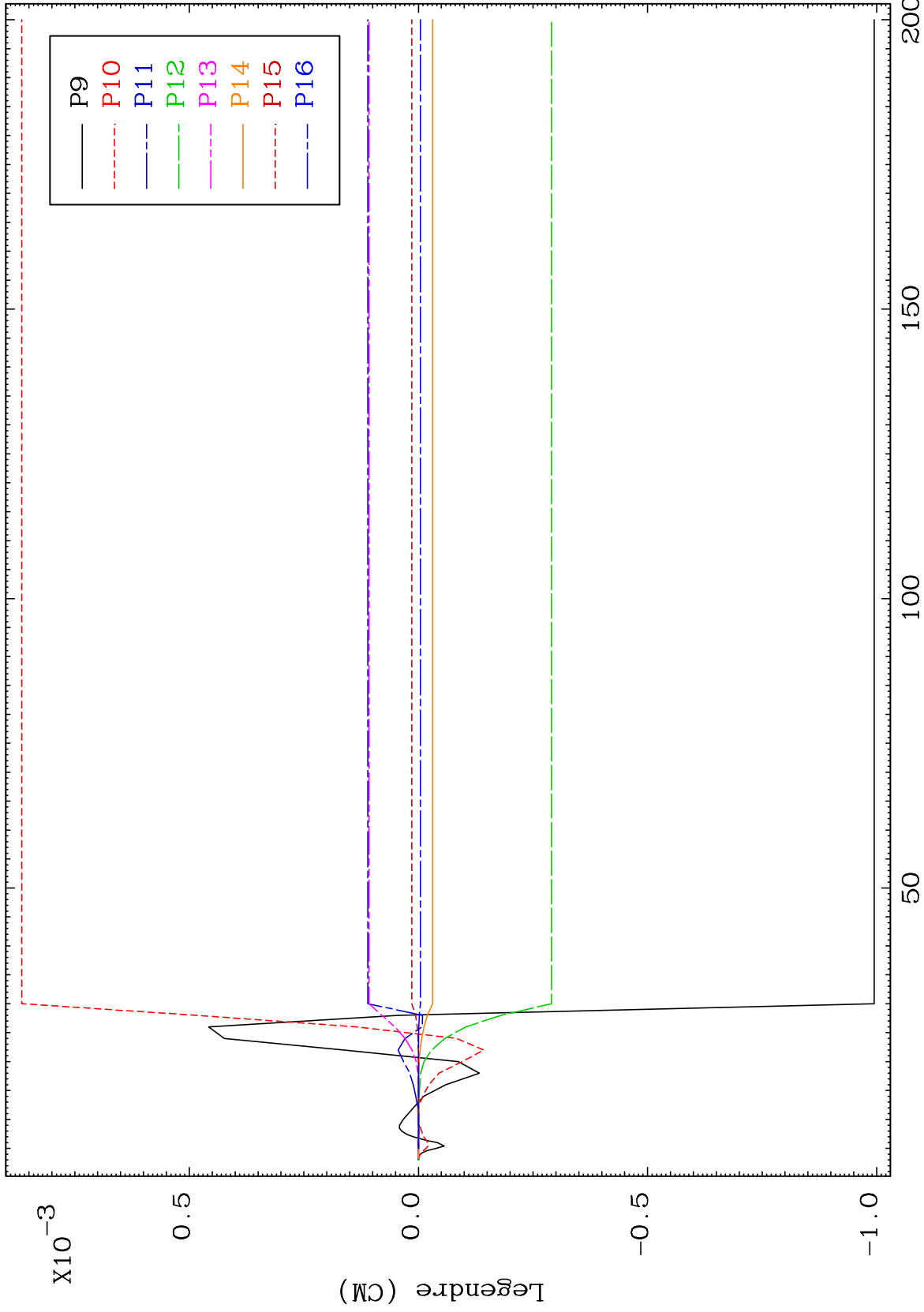
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.956 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



66

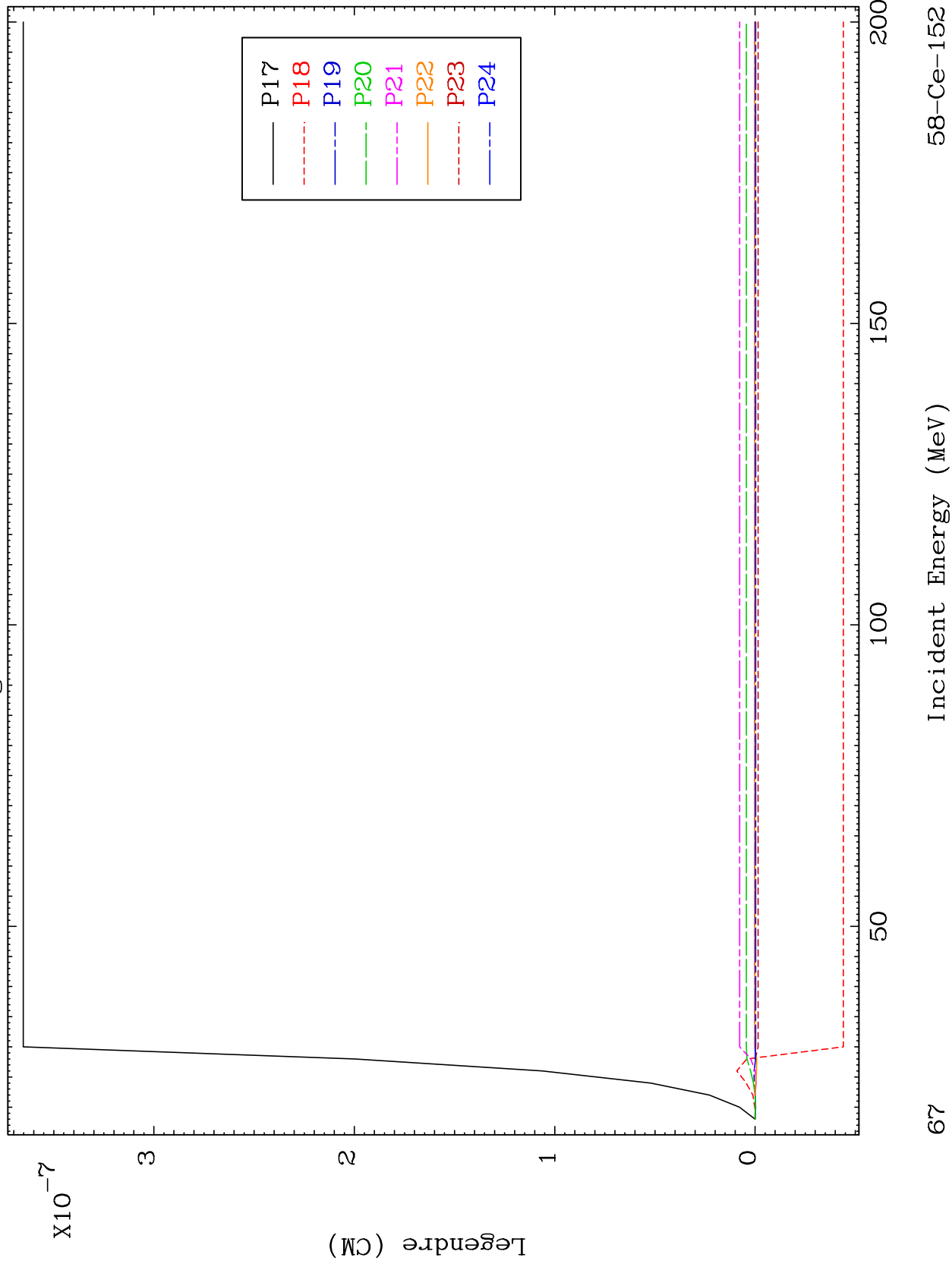
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.956 MeV (n,n') Level
Legendre Coefficients

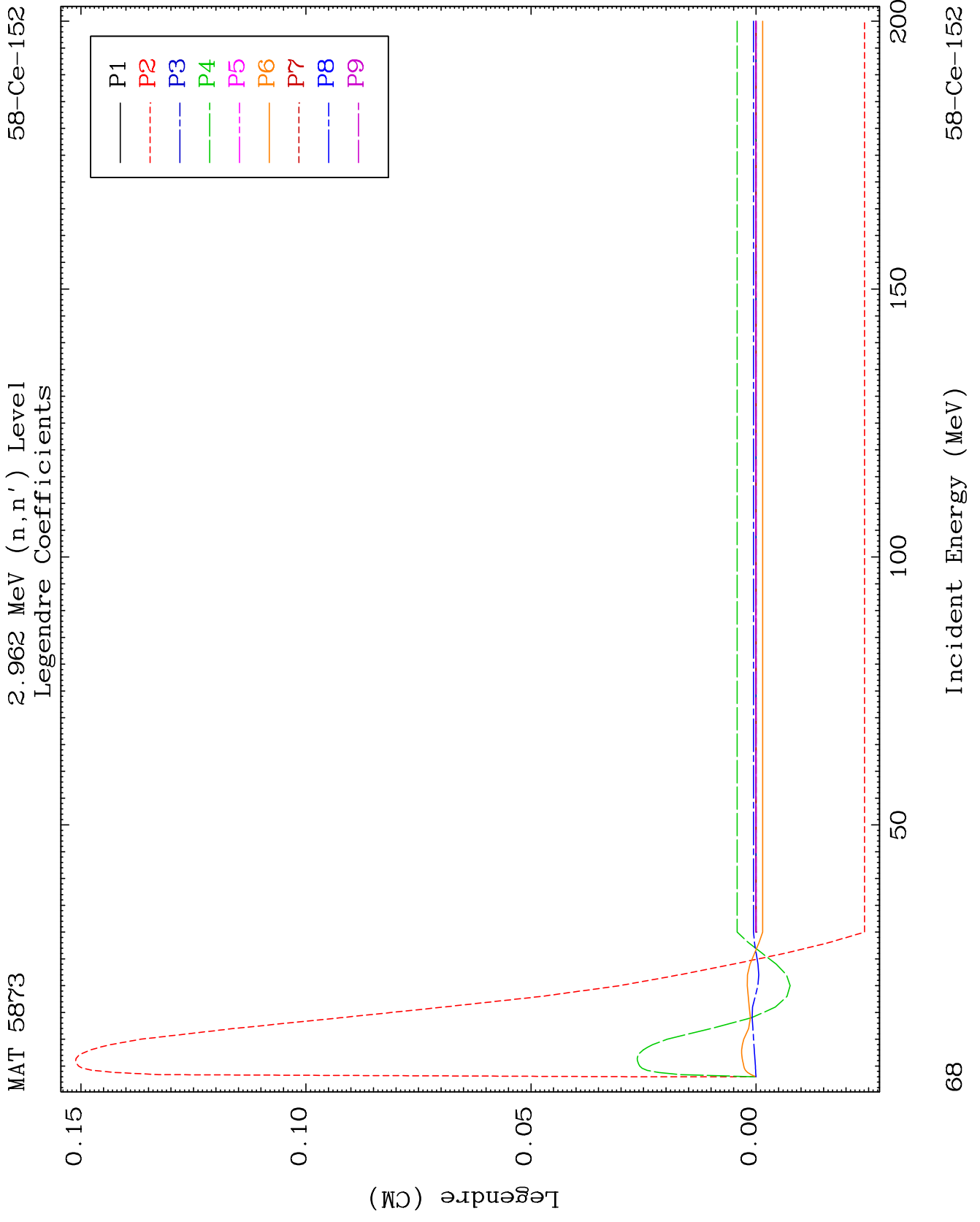
58-Ce-152



67

Incident Energy (MeV)

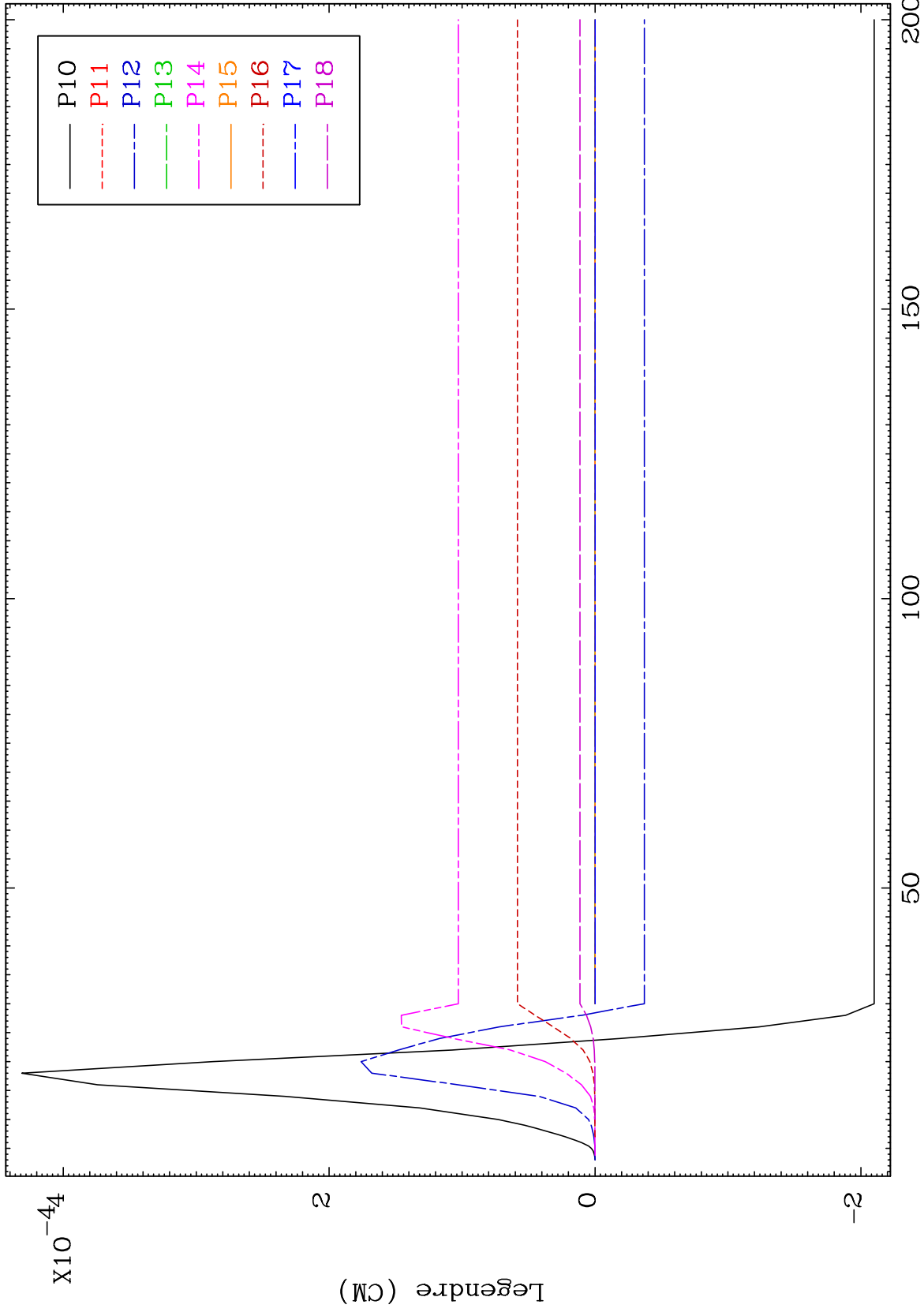
58-Ce-152



MAT 5873

2.962 MeV (n,n') Level
Legendre Coefficients

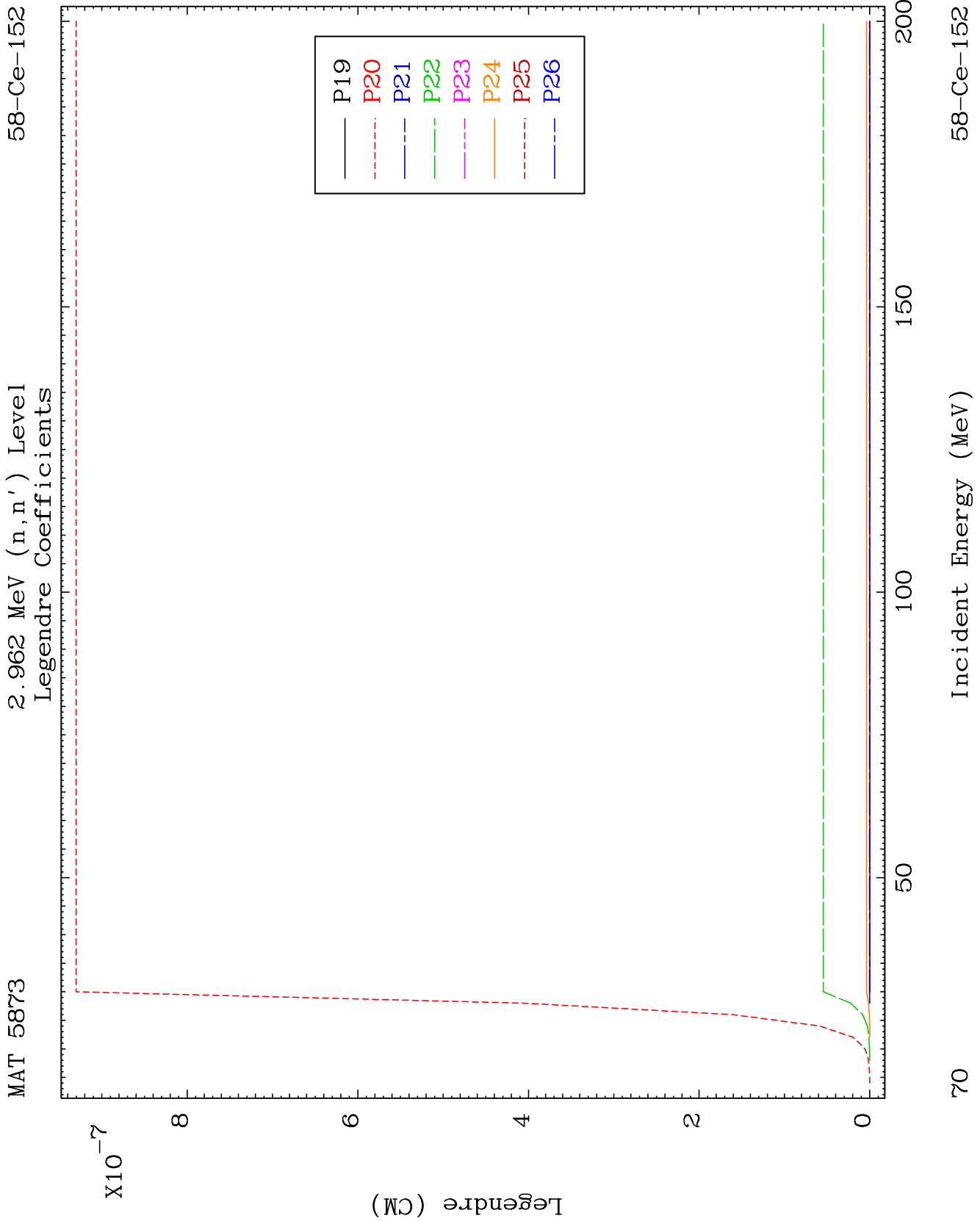
58-Ce-152



69

Incident Energy (MeV)

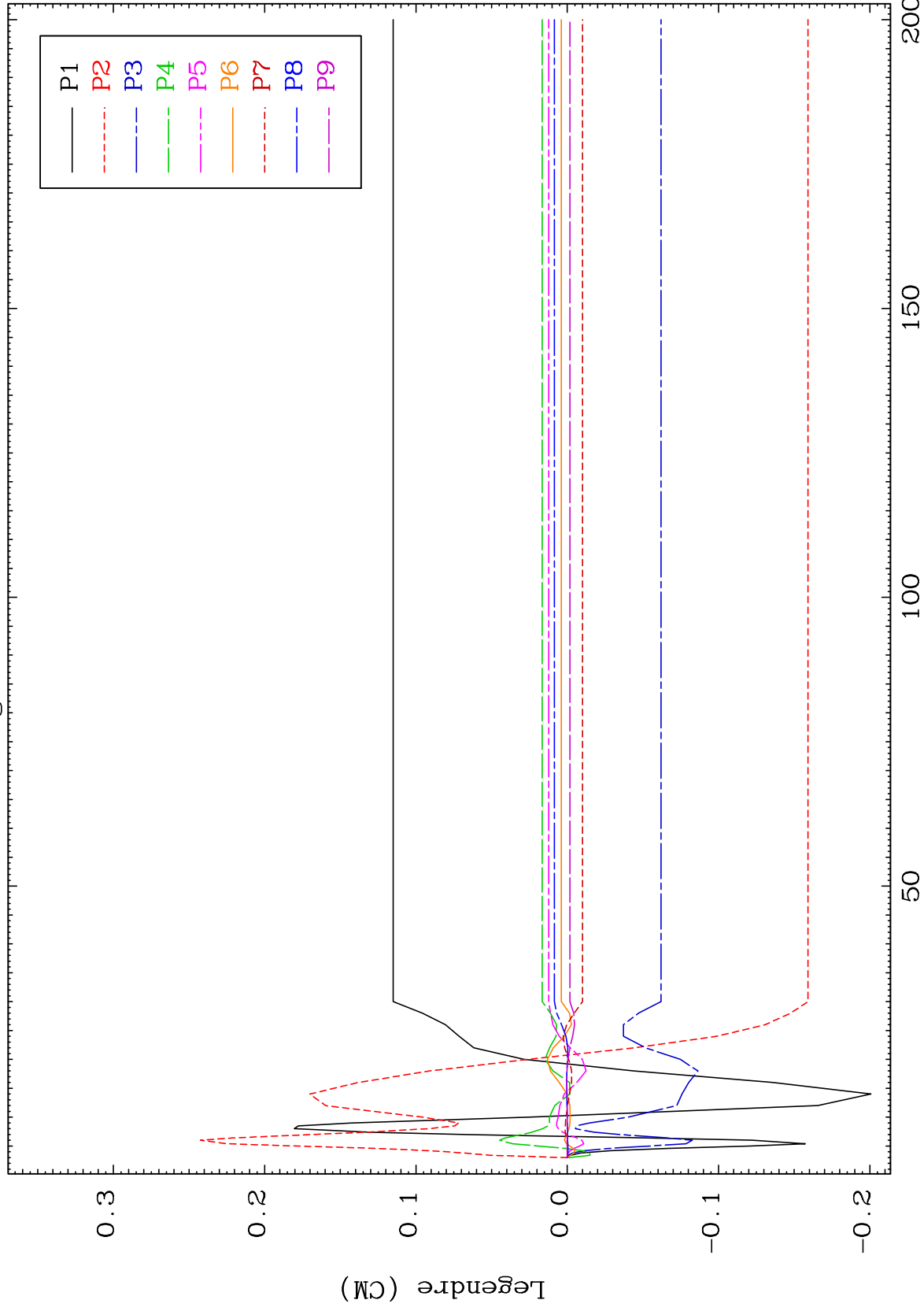
58-Ce-152



MAT 5873

2.964 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



71

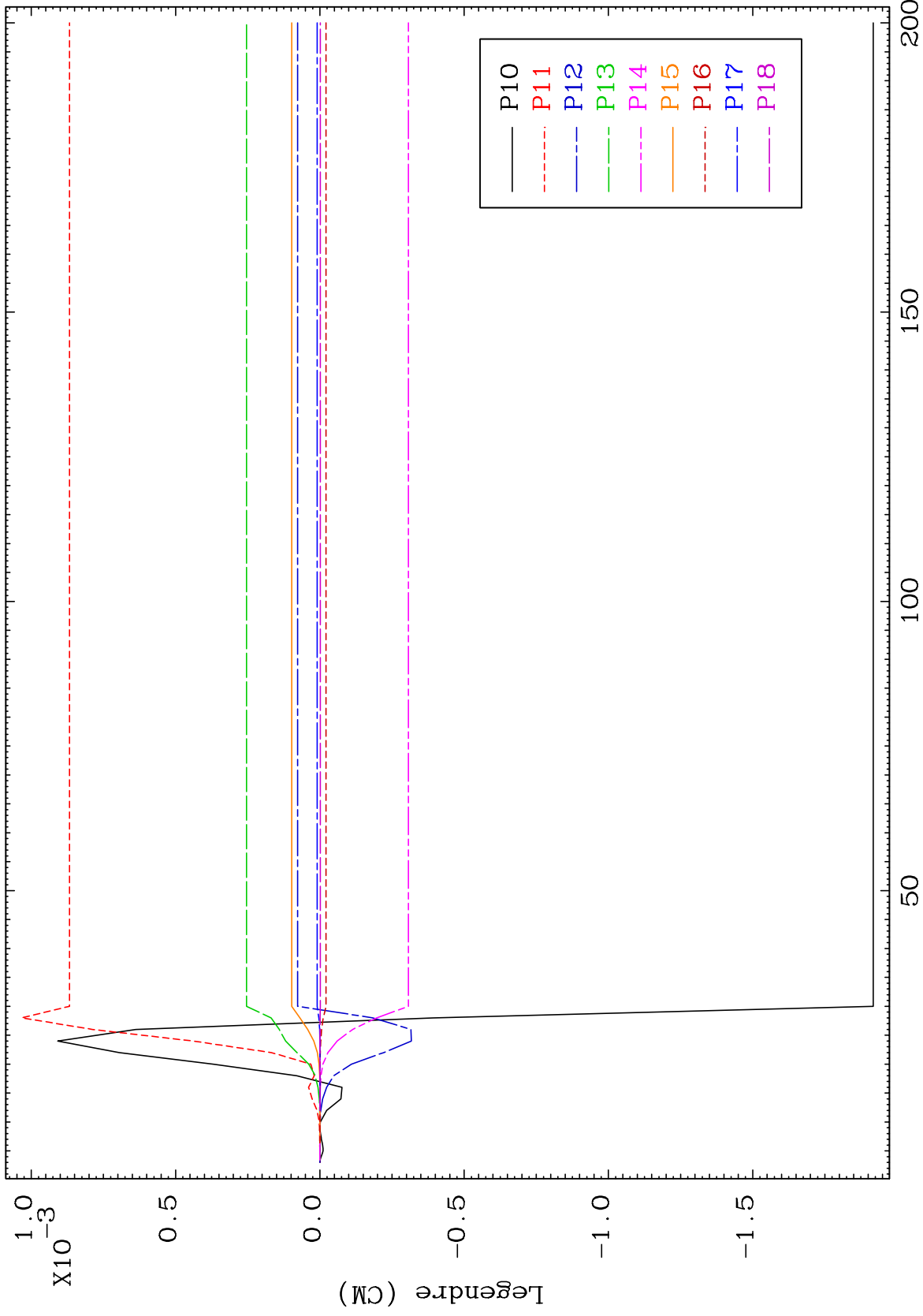
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.964 MeV (n, n') Level
Legendre Coefficients

58-Ce-152



72

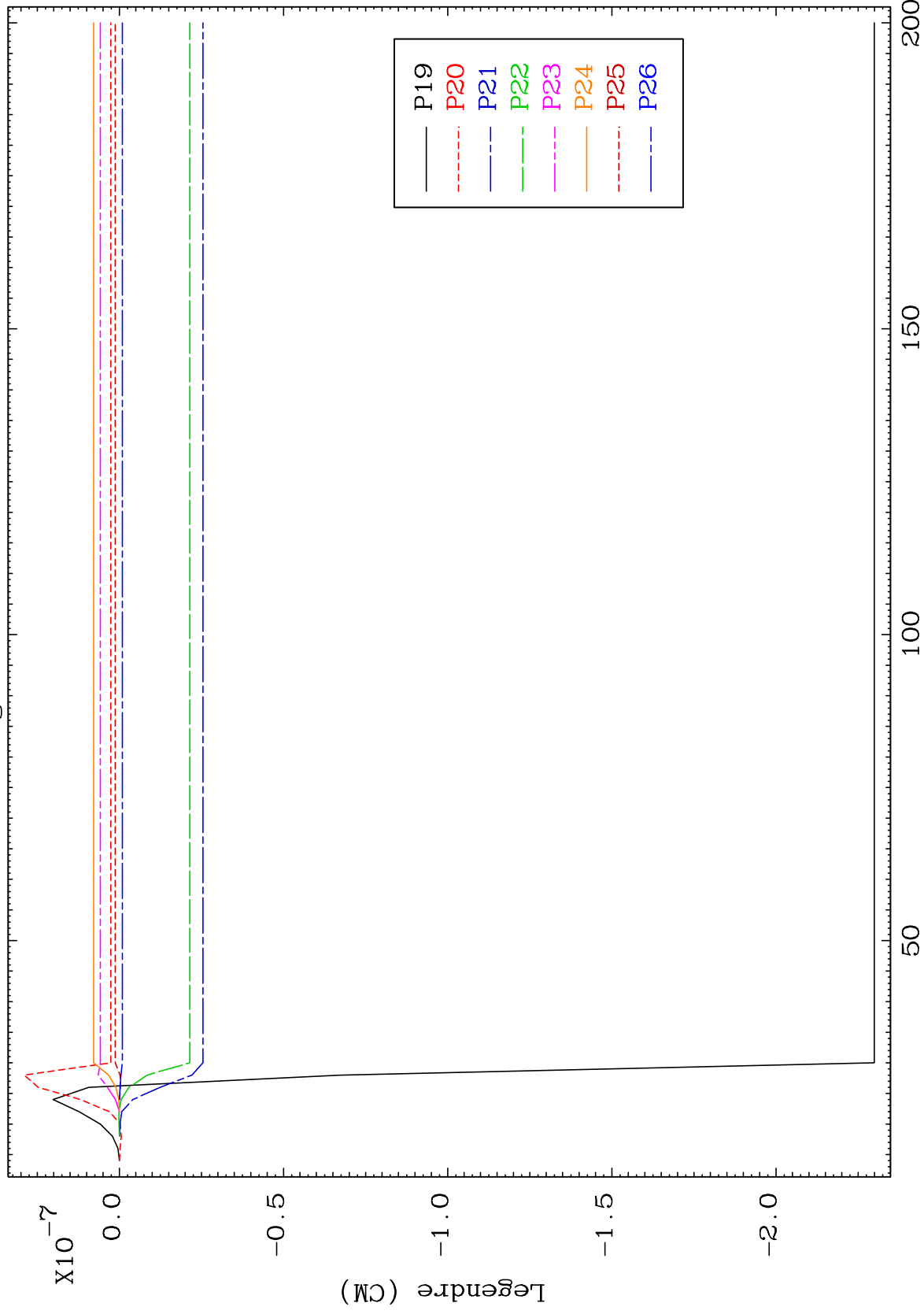
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.964 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



73

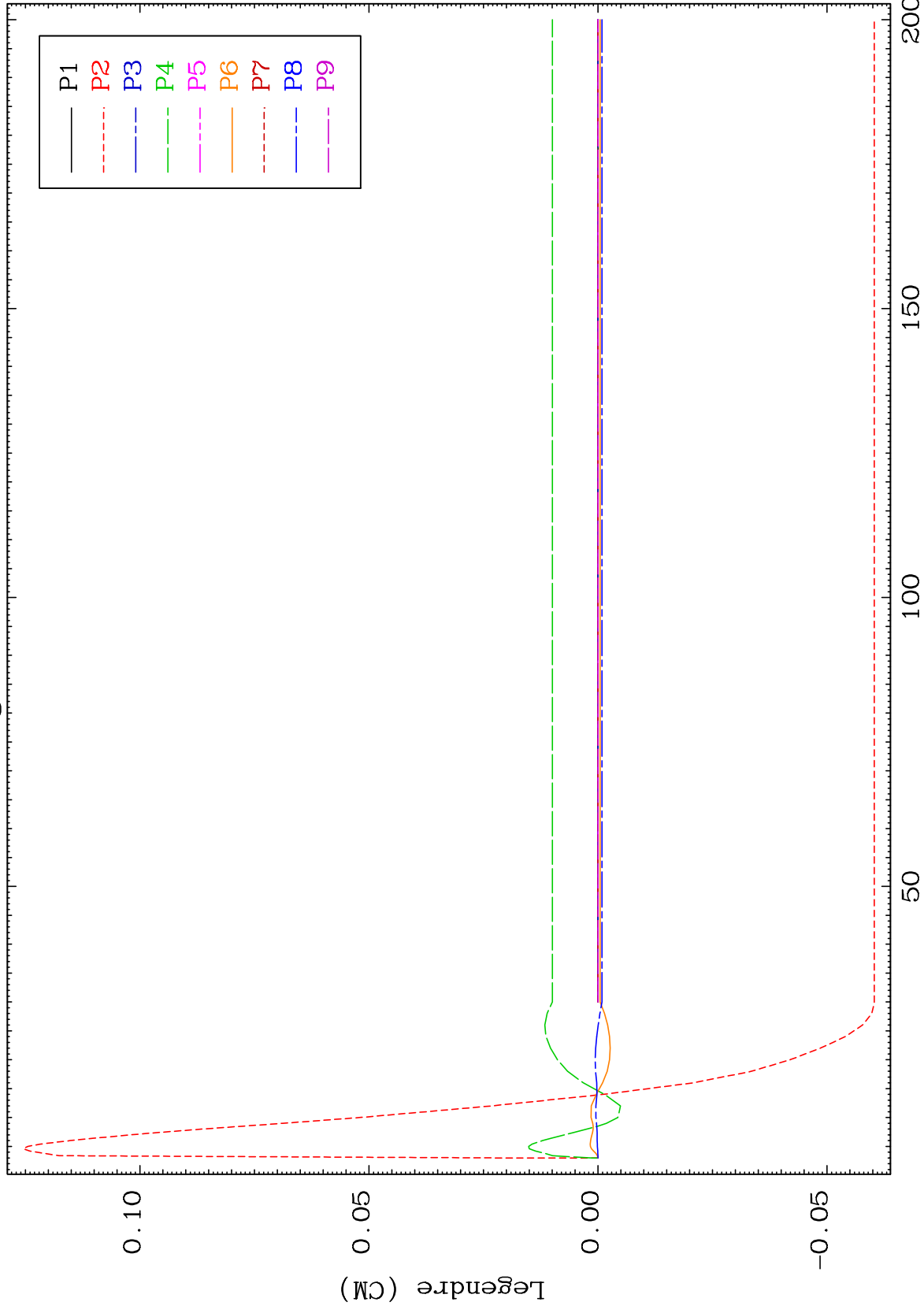
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.967 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



74

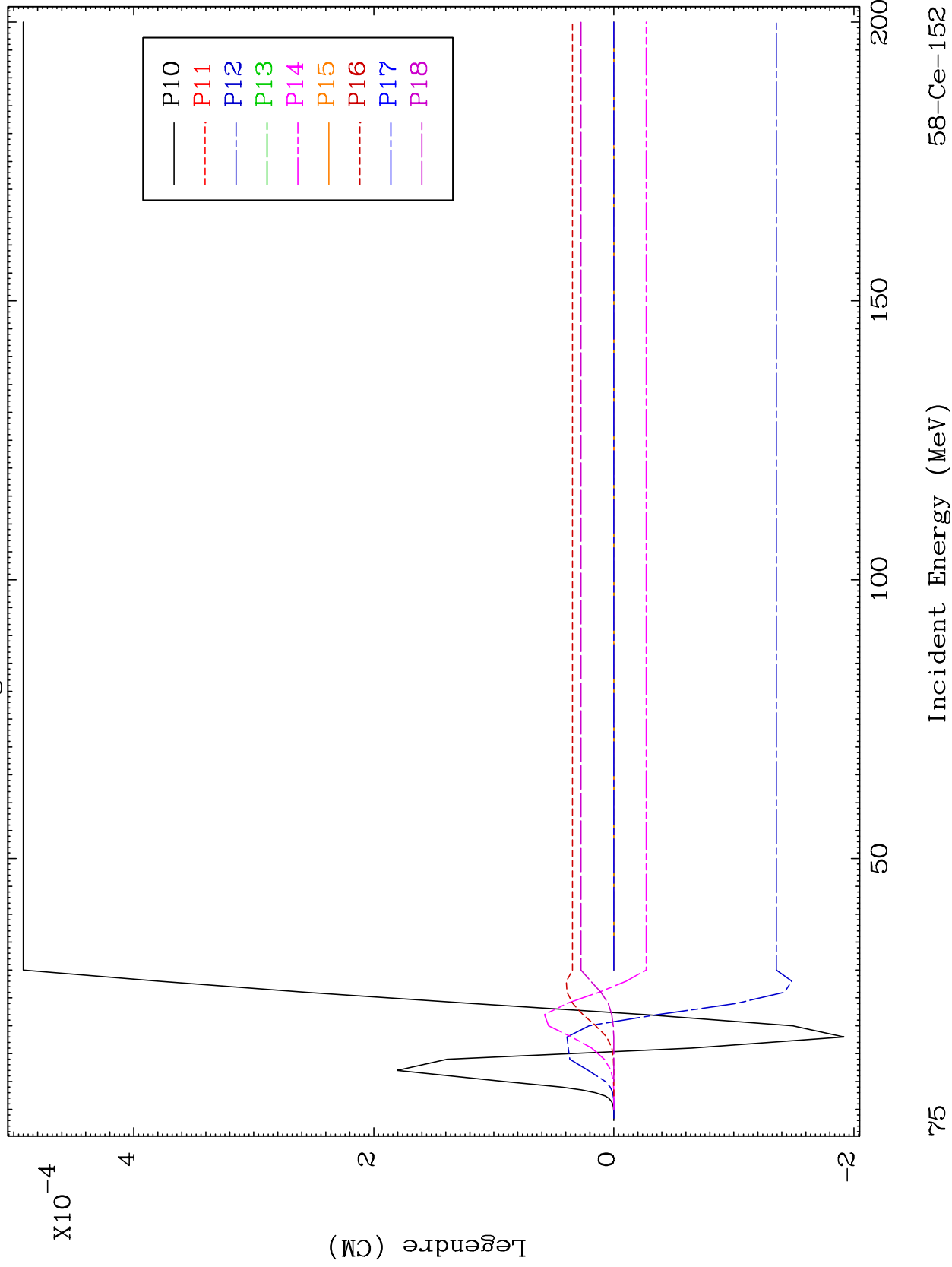
Incident Energy (MeV)

58-Ce-152

MAT 5873

2.967 MeV (n,n') Level
Legendre Coefficients

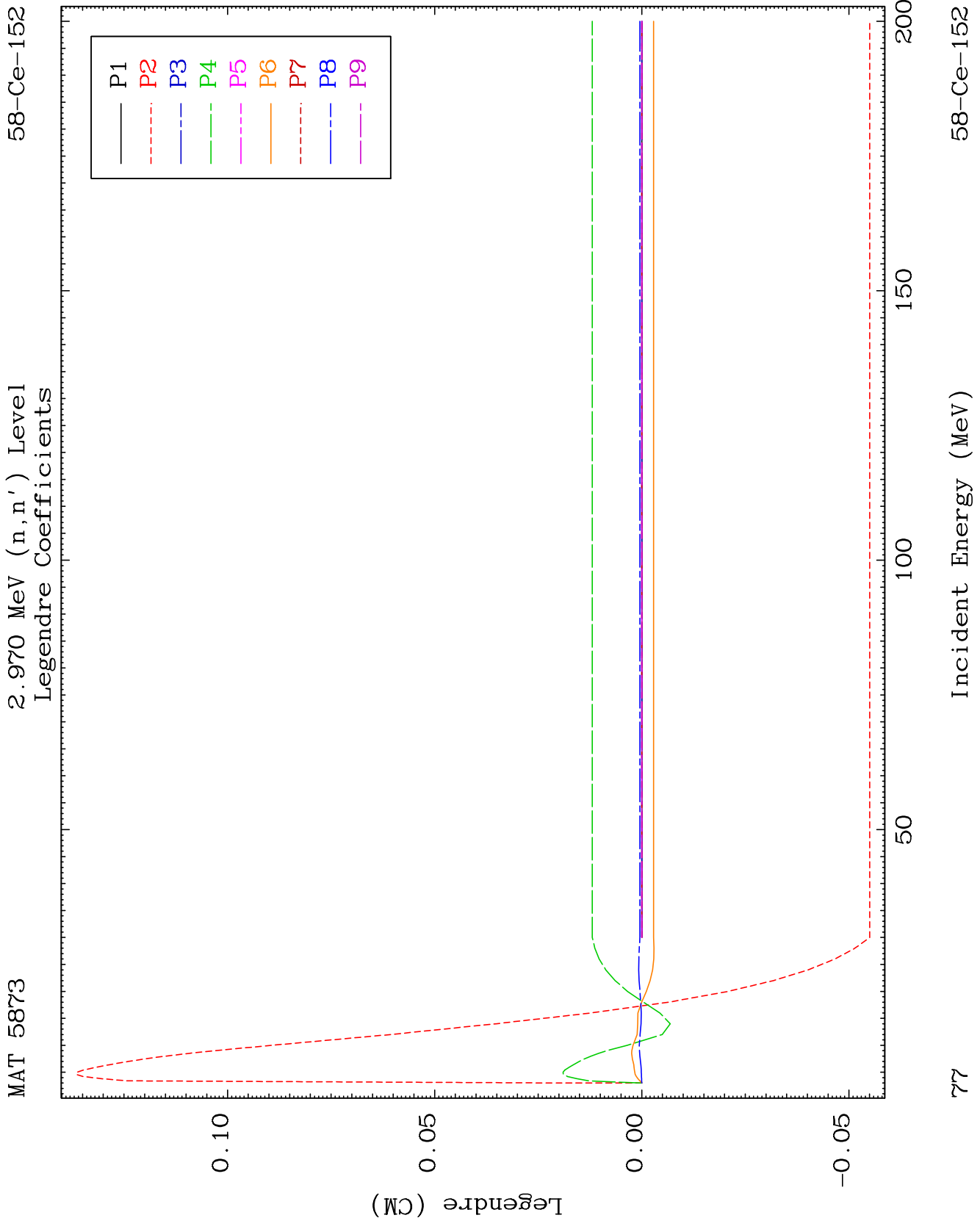
58-Ce-152



75

Incident Energy (MeV)

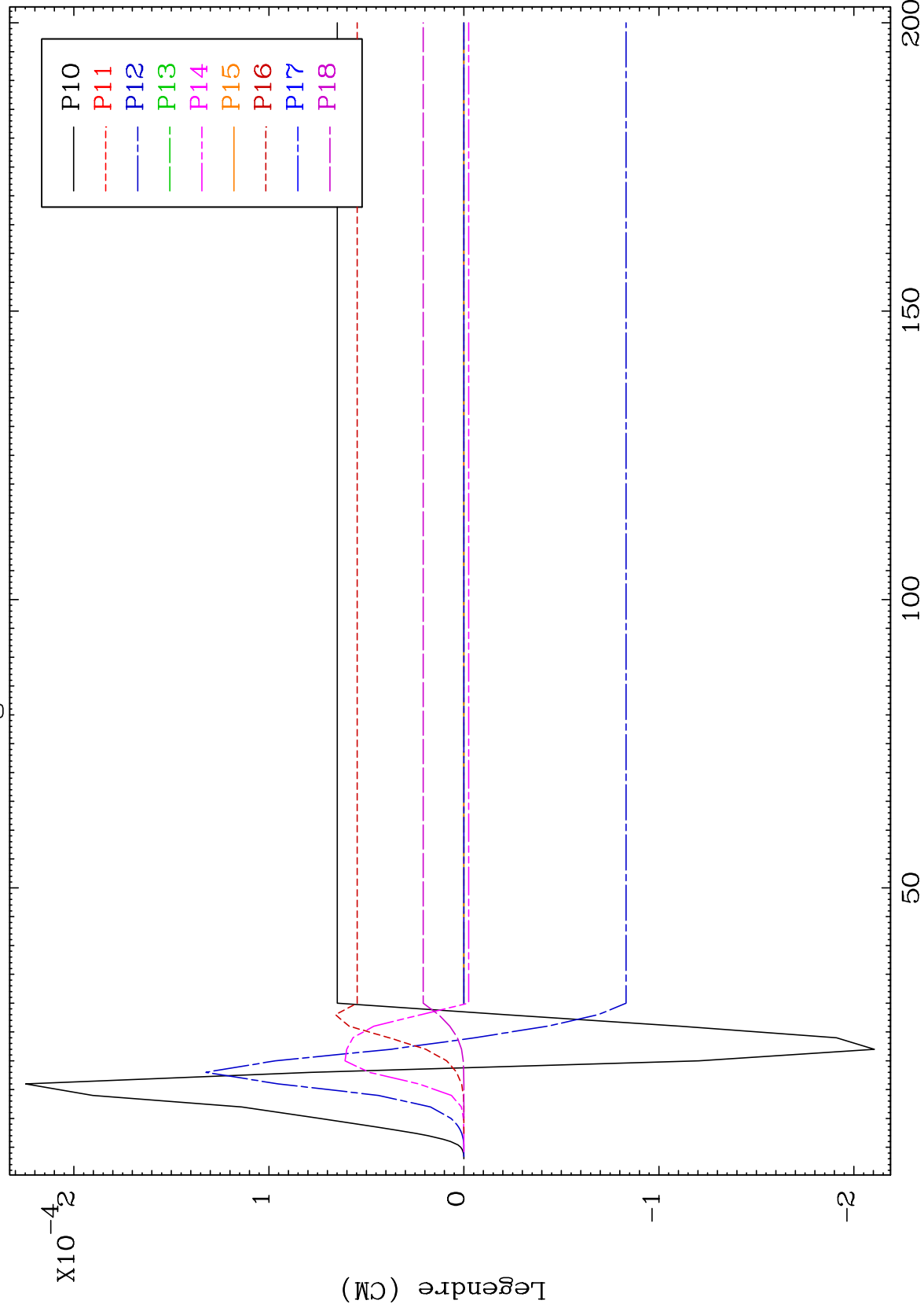
58-Ce-152



MAT 5873

2.970 MeV (n,n') Level
Legendre Coefficients

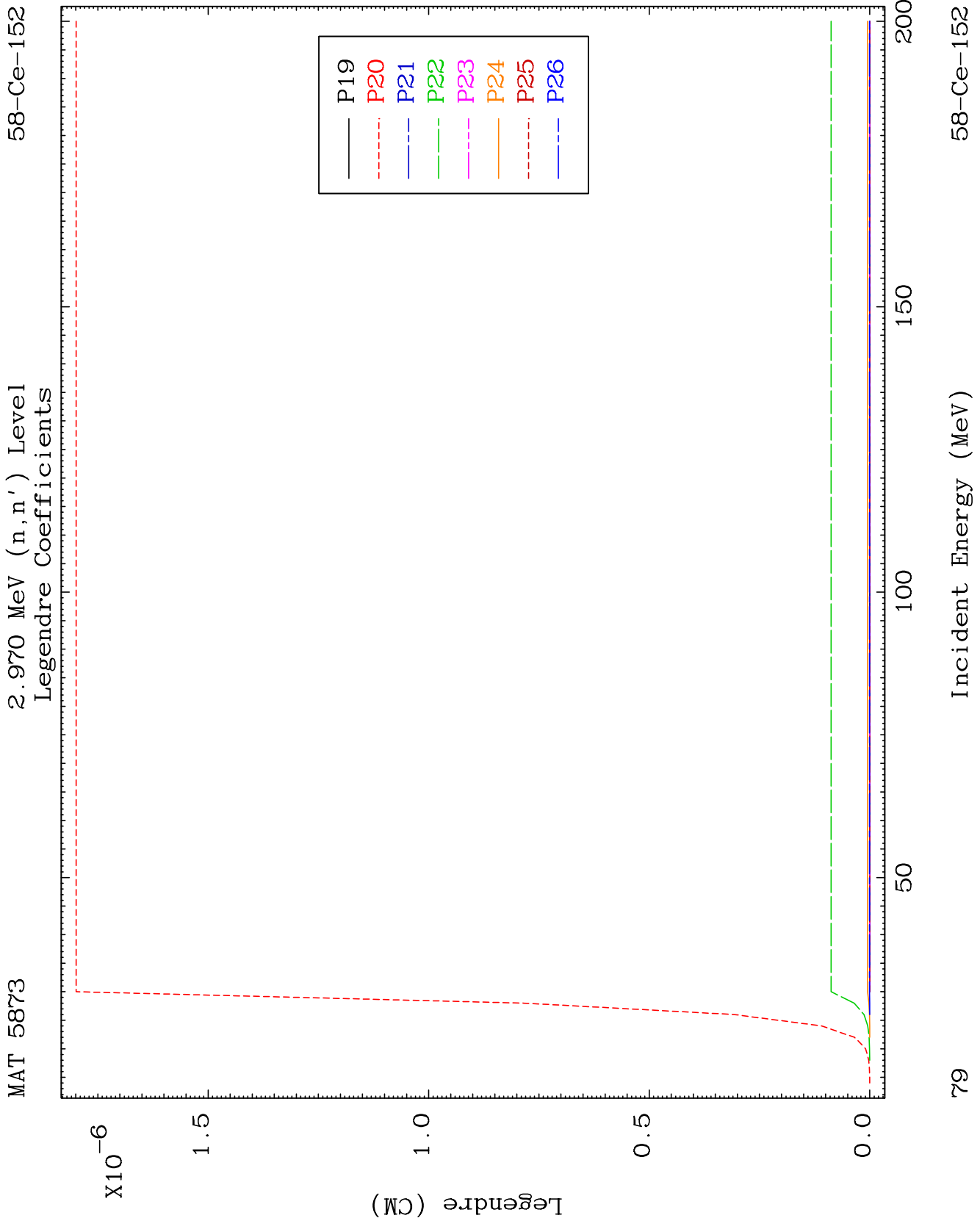
58-Ce-152

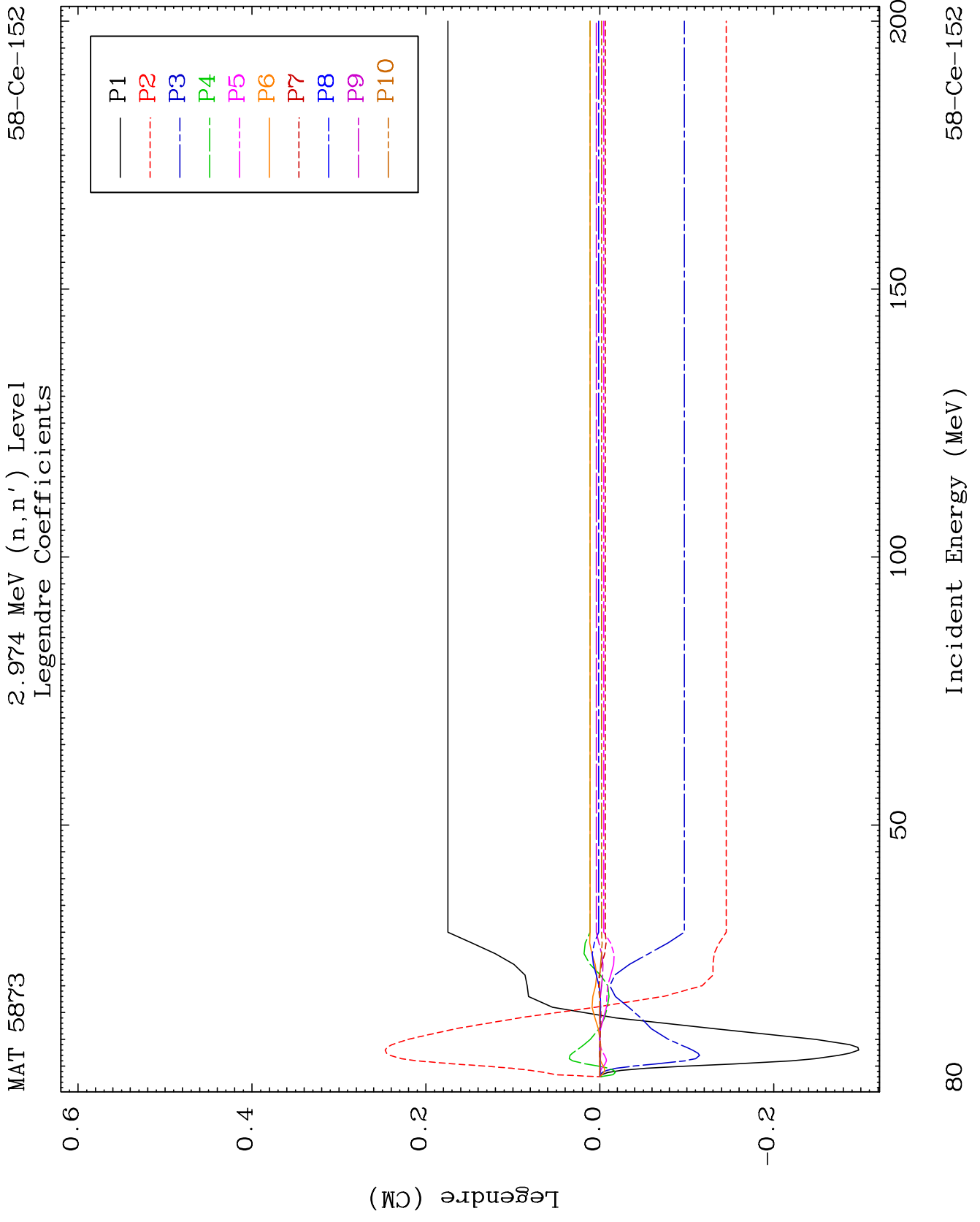


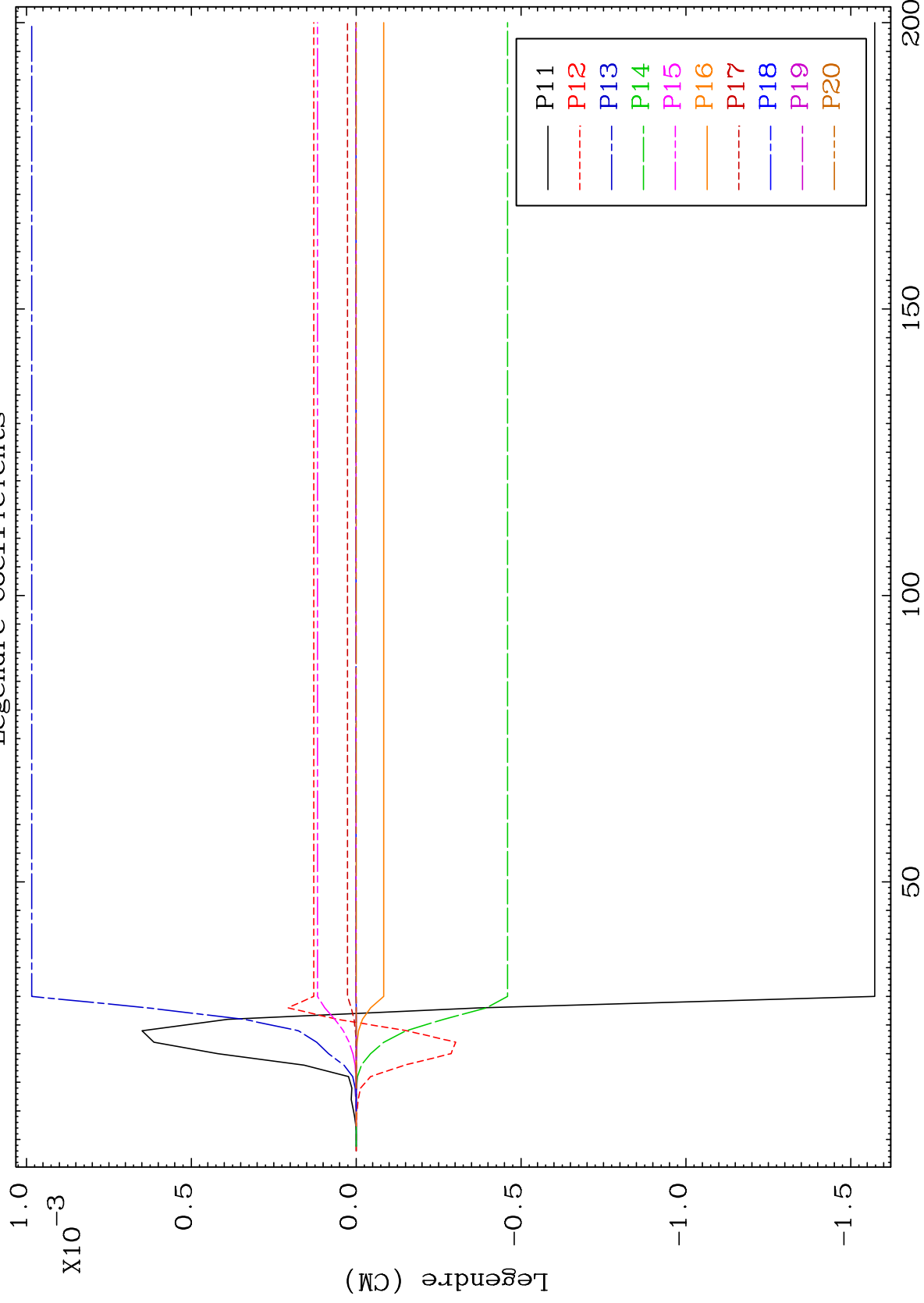
78

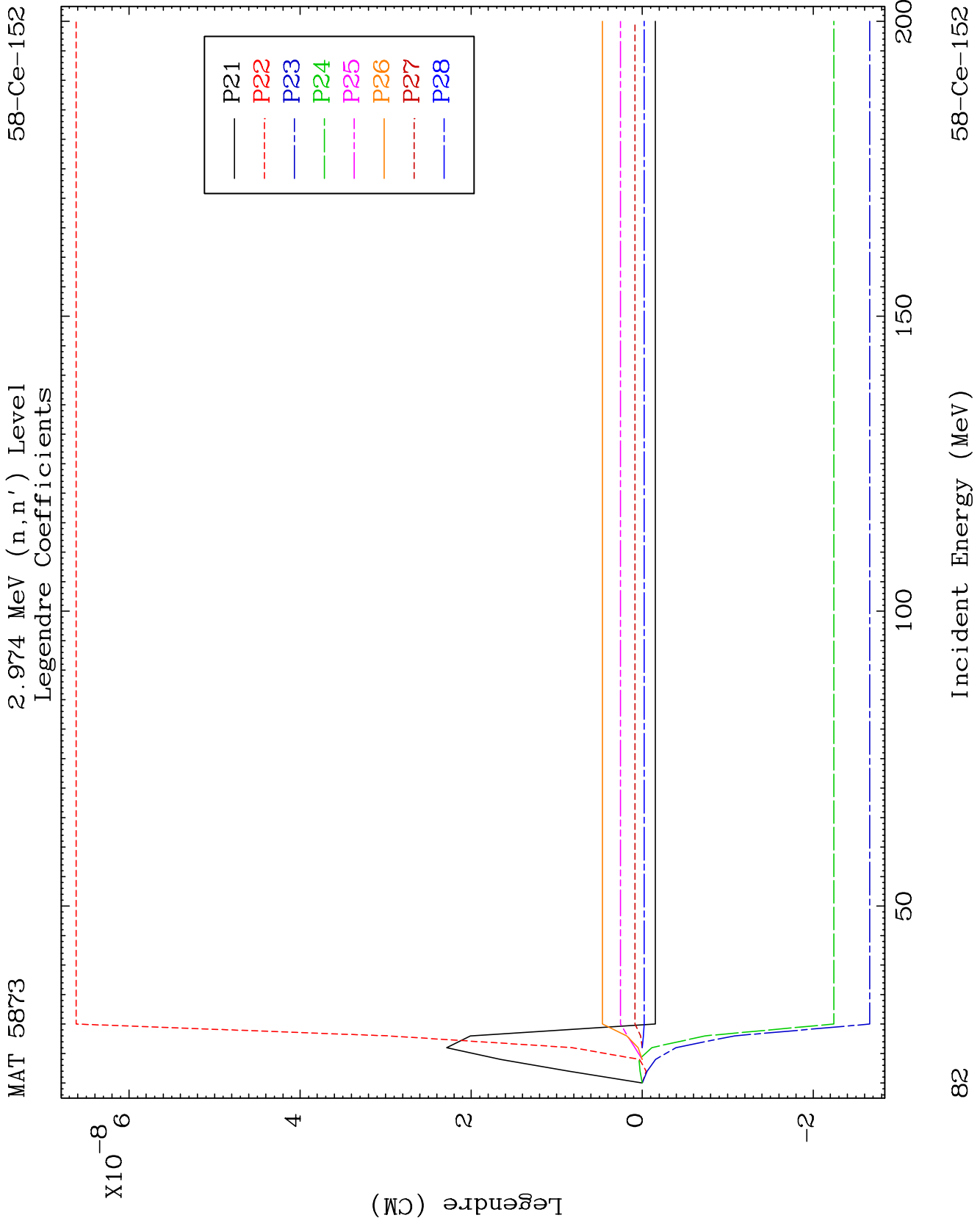
Incident Energy (MeV)

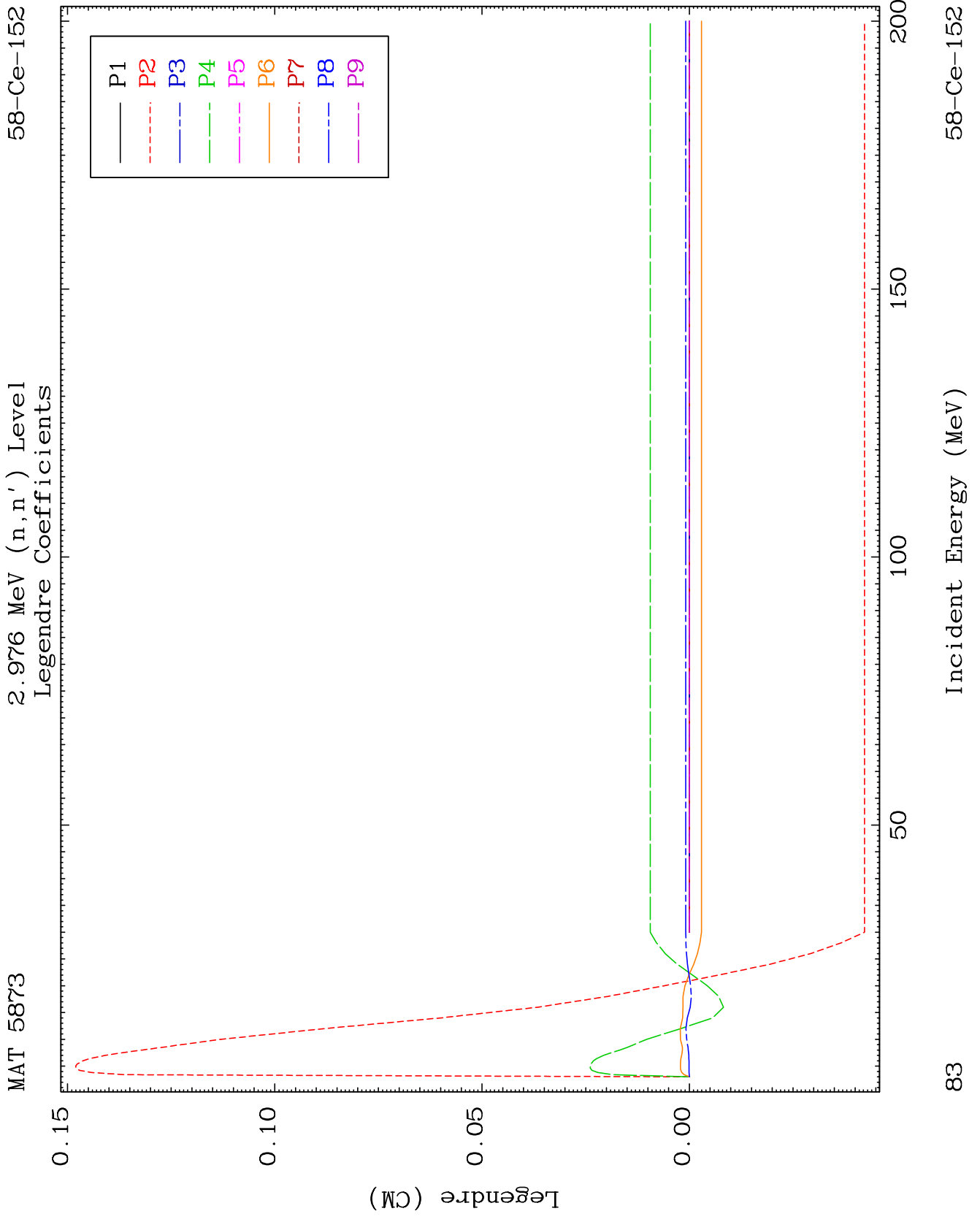
58-Ce-152







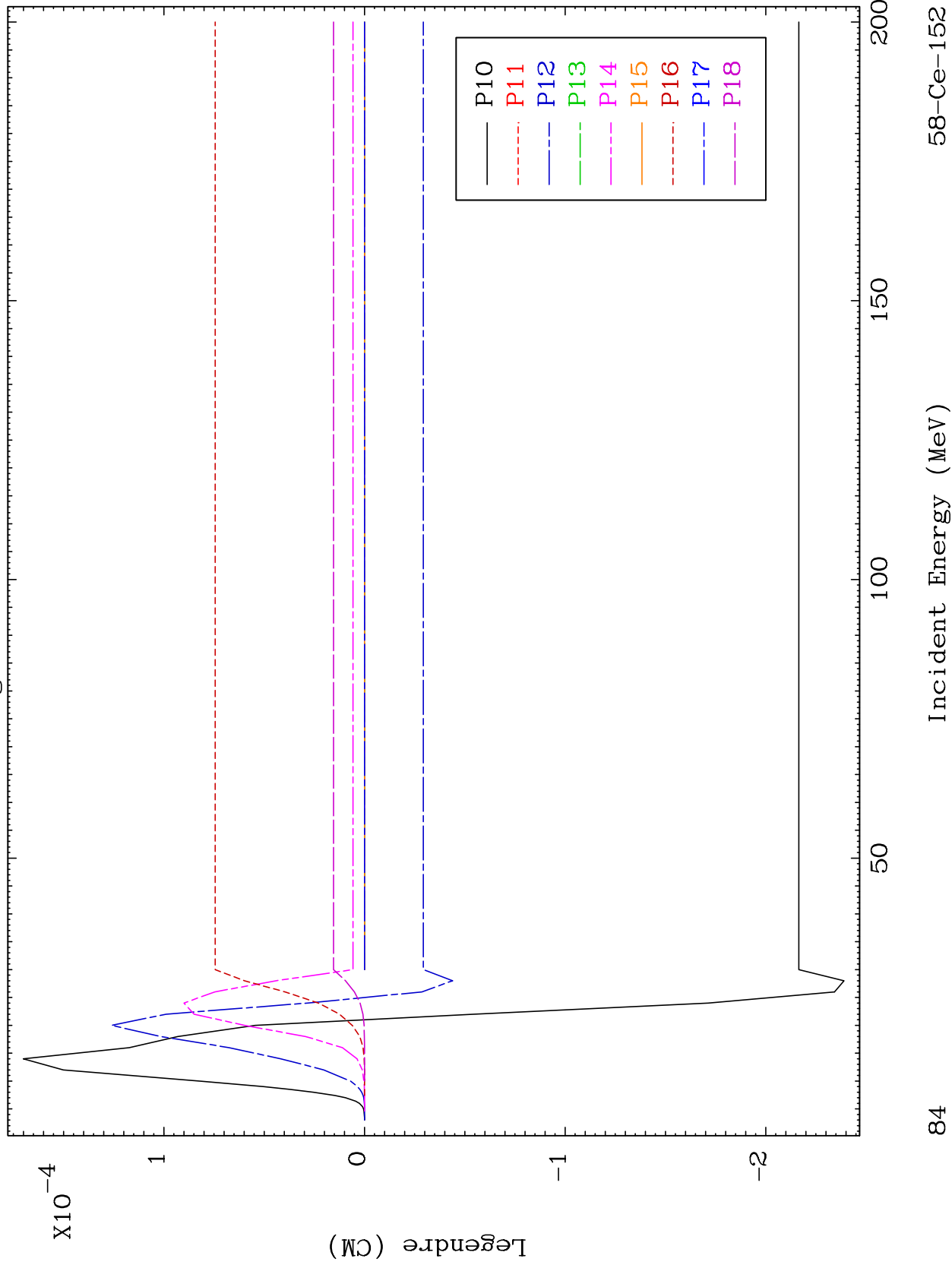




MAT 5873

2.976 MeV (n,n') Level
Legendre Coefficients

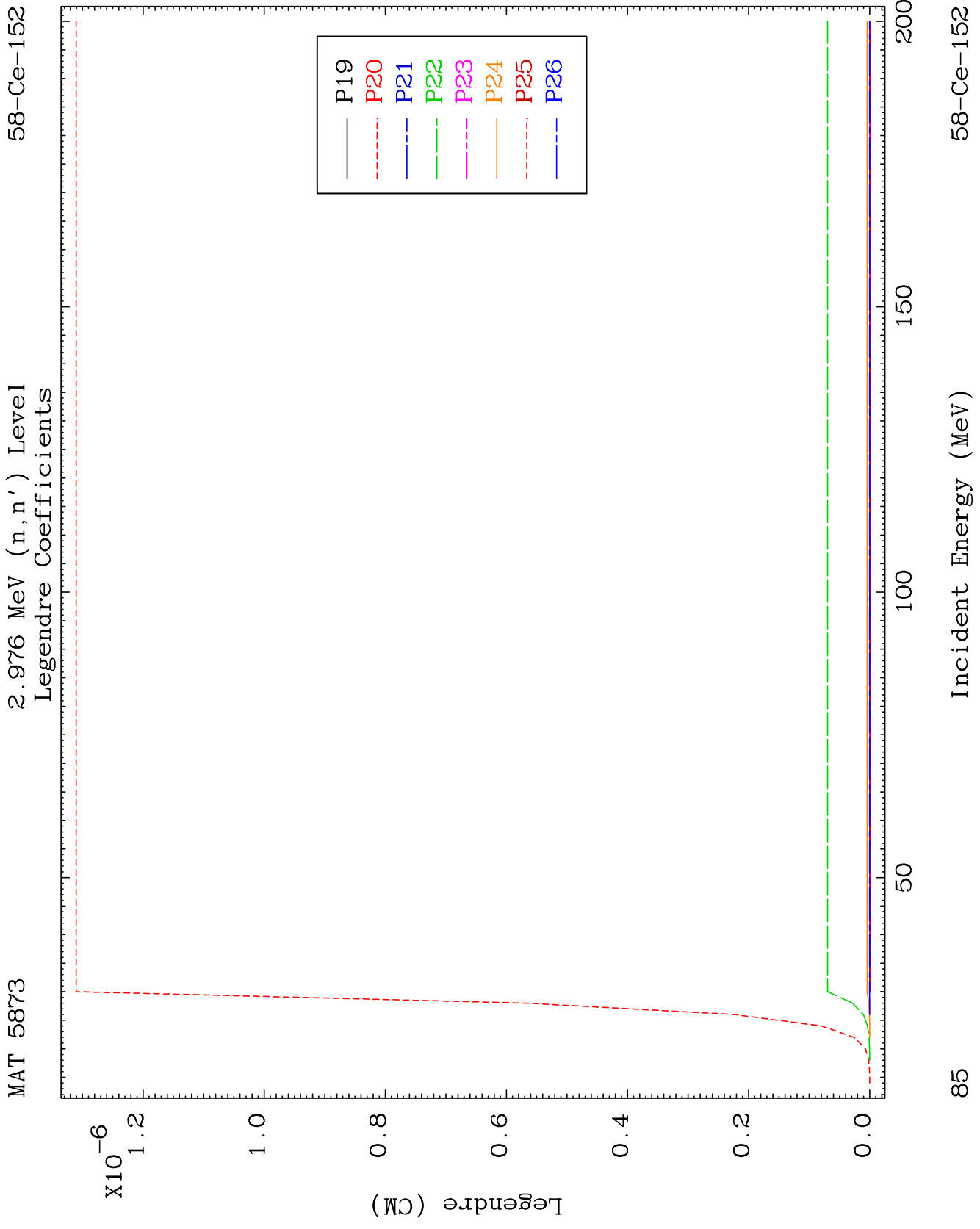
58-Ce-152



84

Incident Energy (MeV)

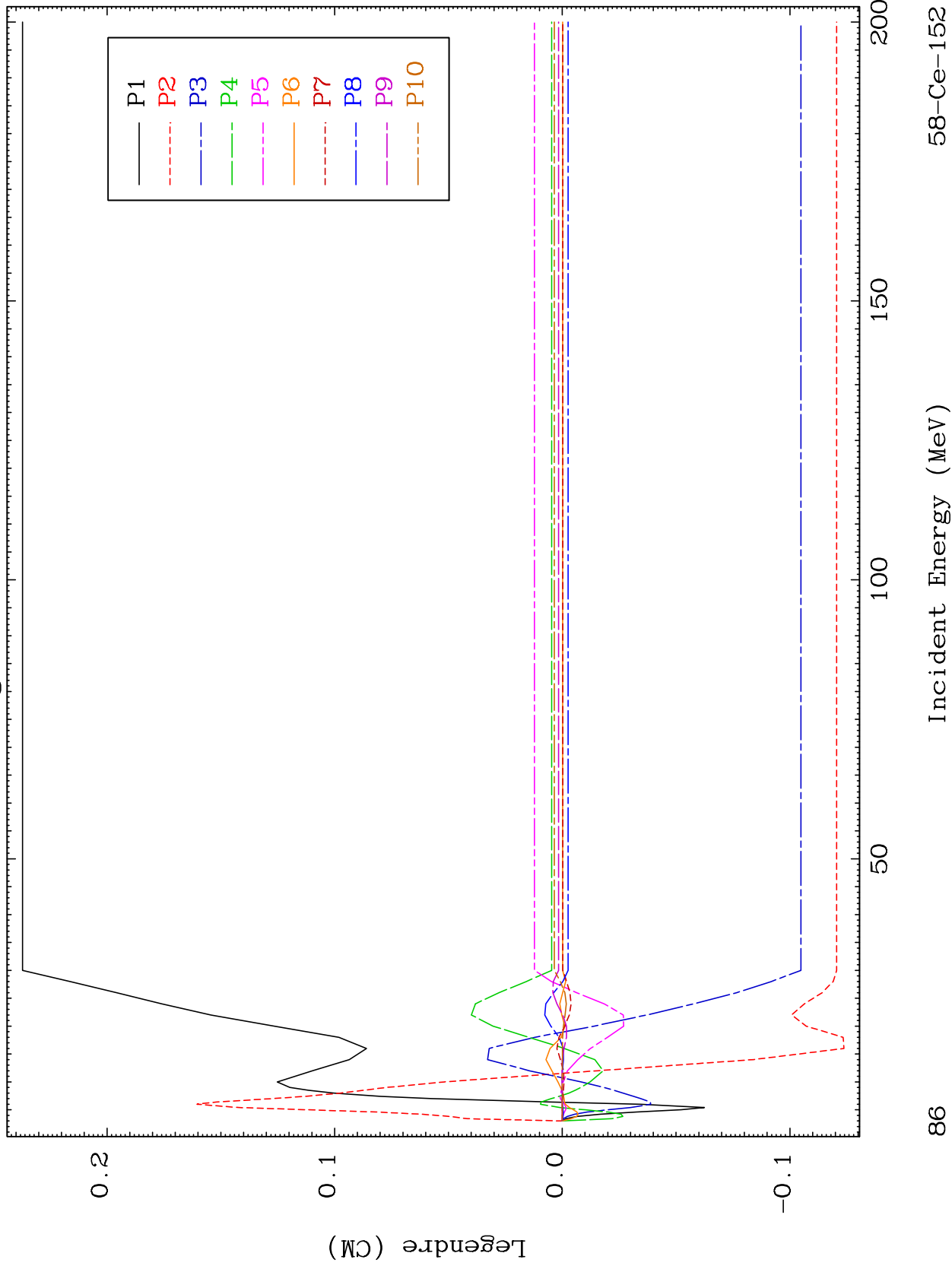
58-Ce-152



MAT 5873

2.977 MeV (n,n') Level
Legendre Coefficients

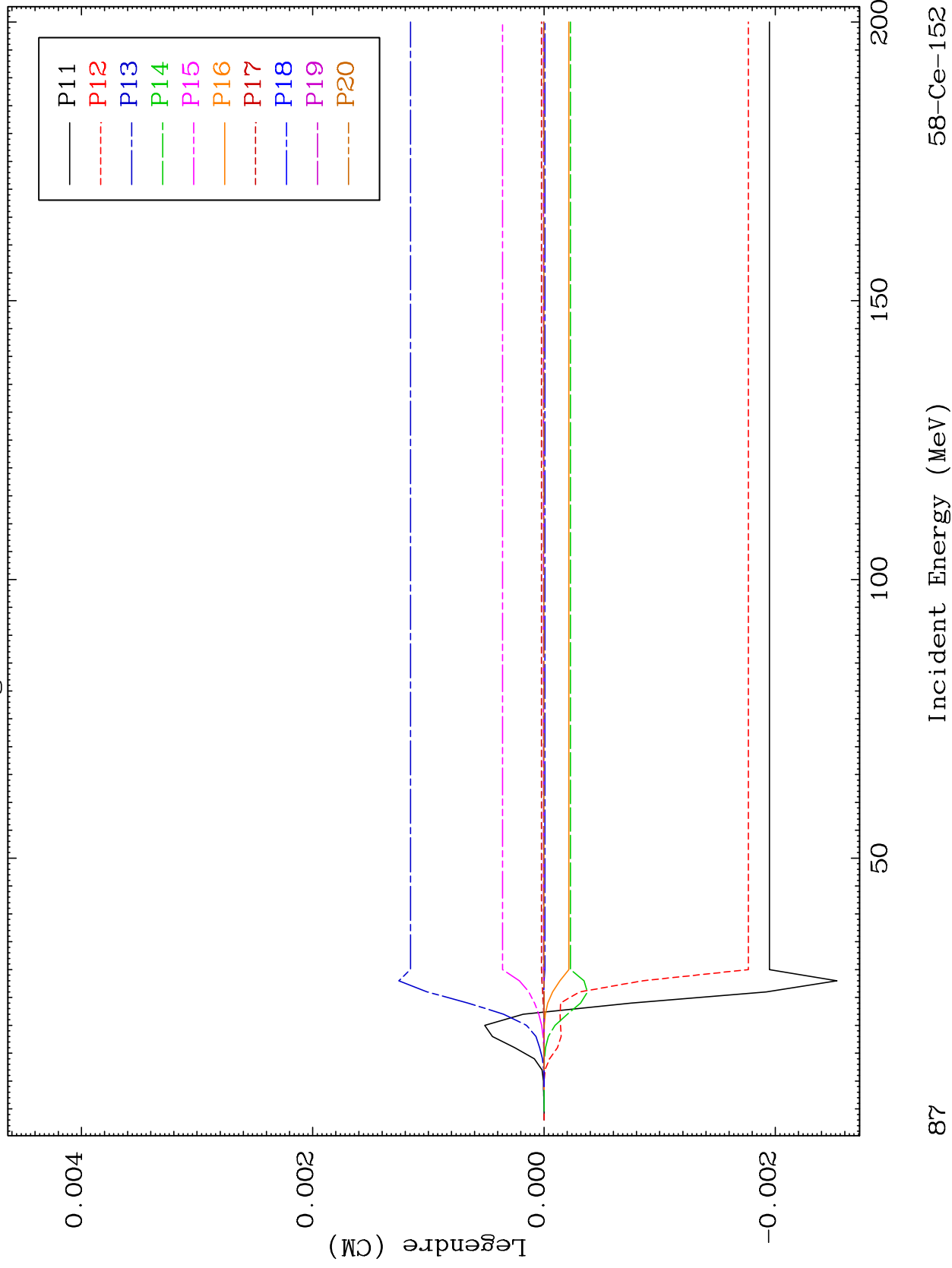
58-Ce-152



MAT 5873

2.977 MeV (n,n') Level
Legendre Coefficients

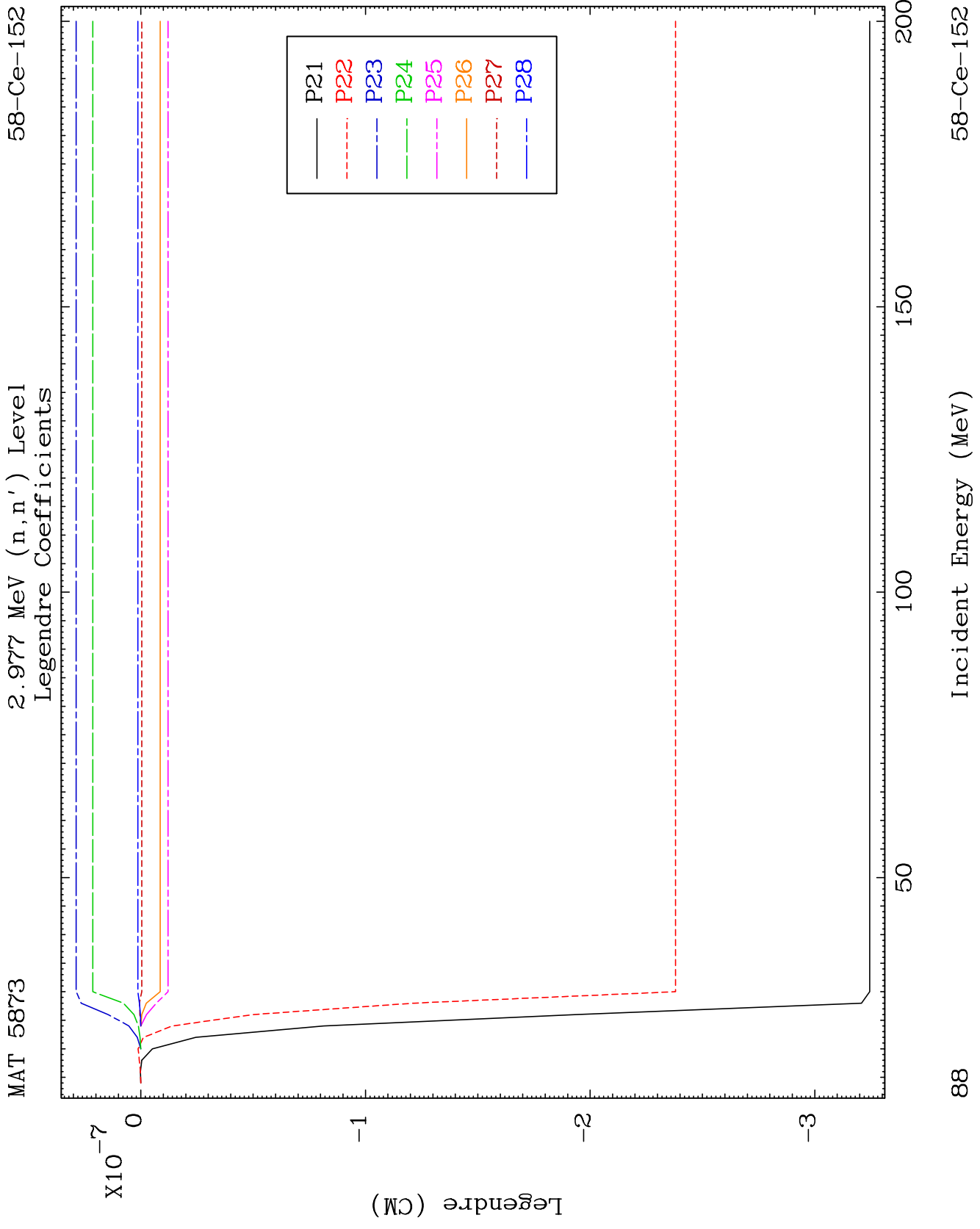
58-Ce-152

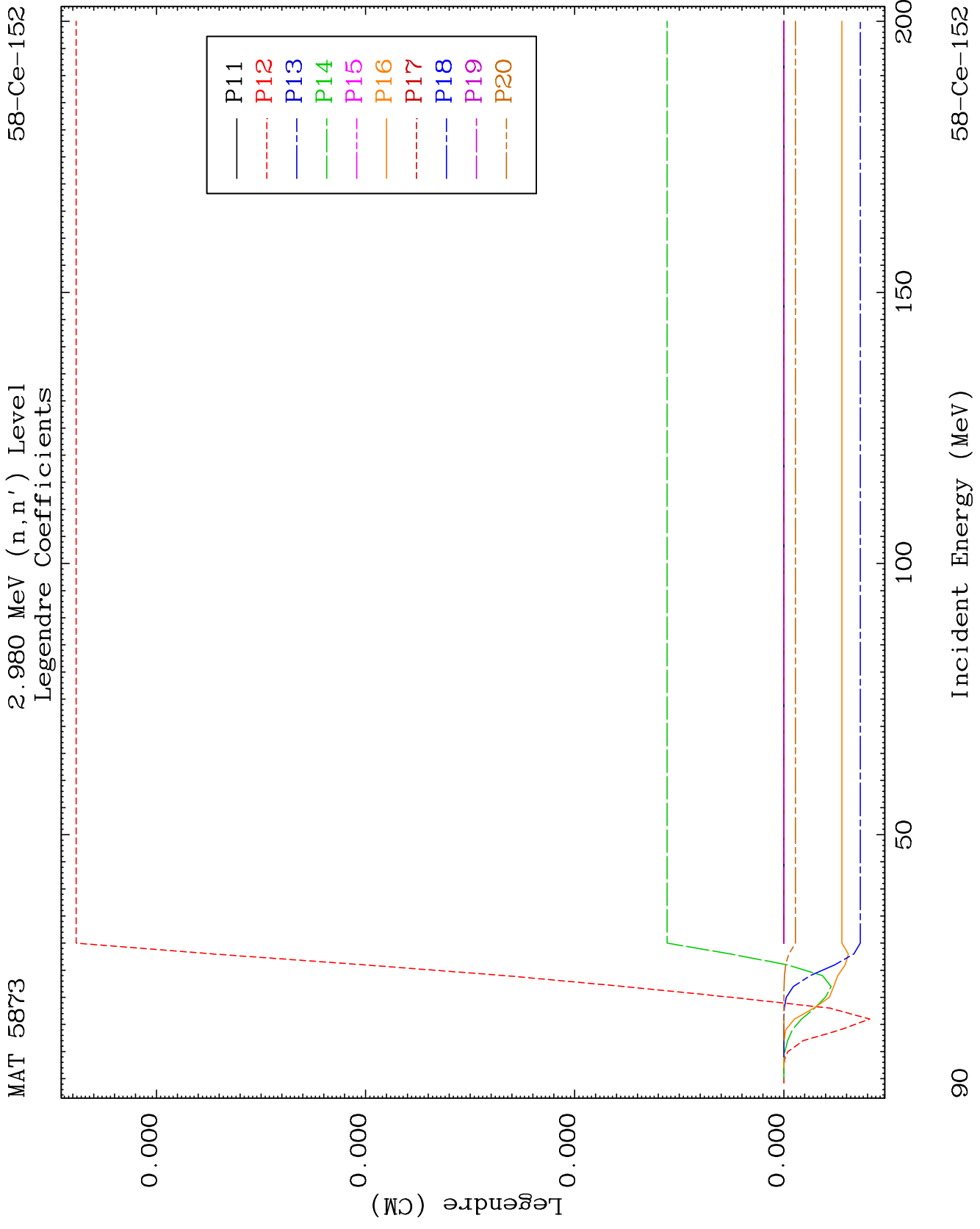


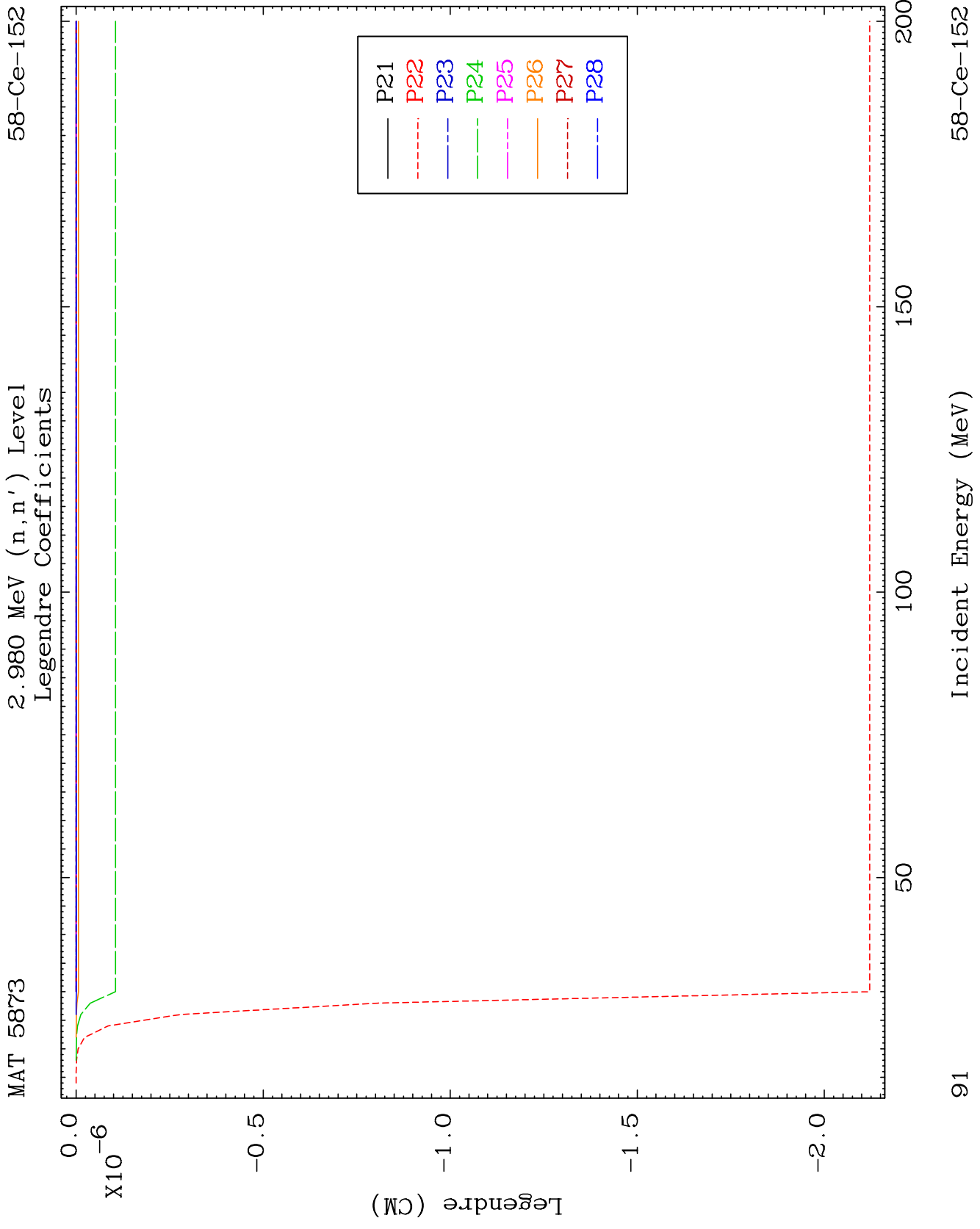
87

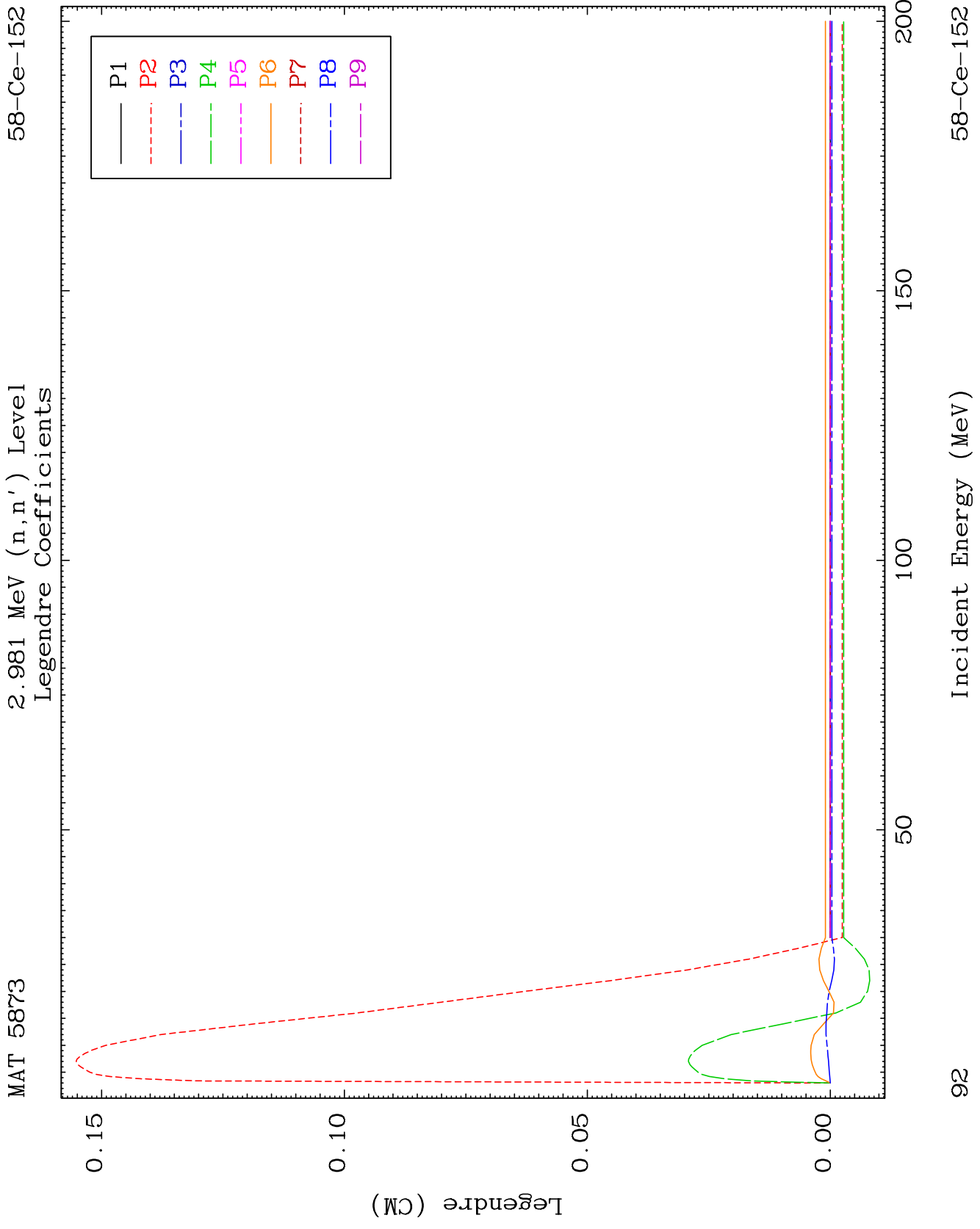
Incident Energy (MeV)

58-Ce-152





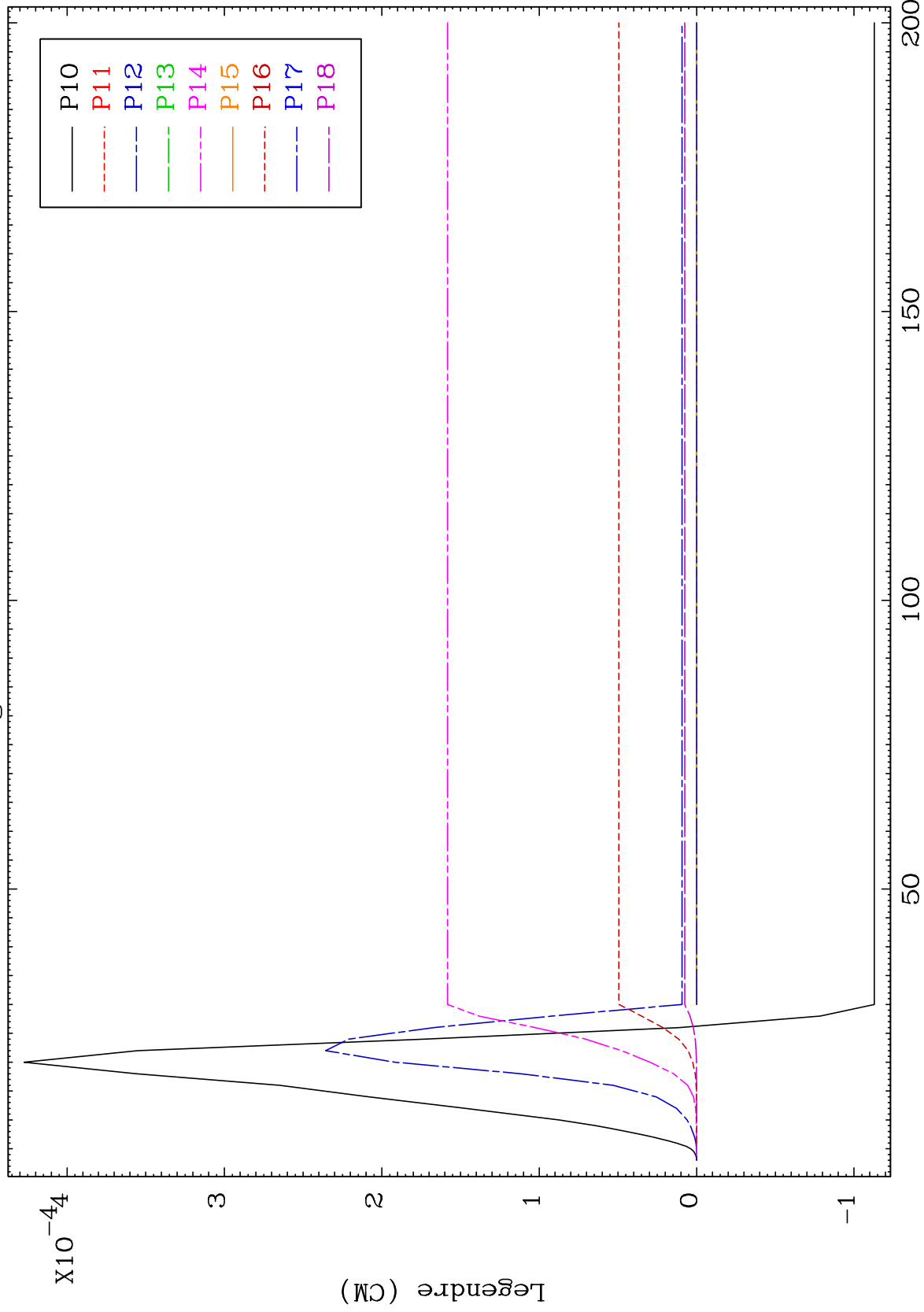




MAT 5873

2.981 MeV (n,n') Level
Legendre Coefficients

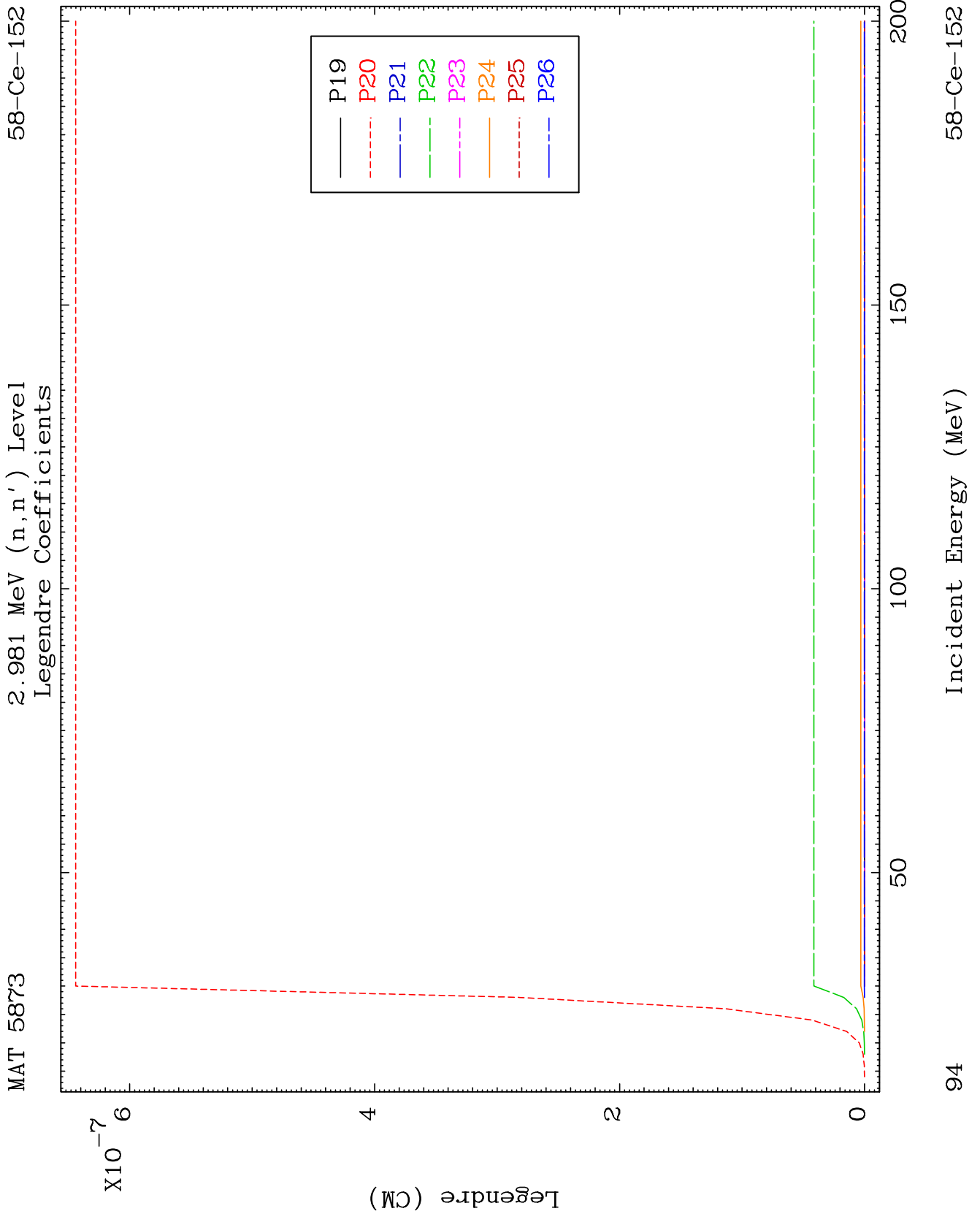
58-Ce-152

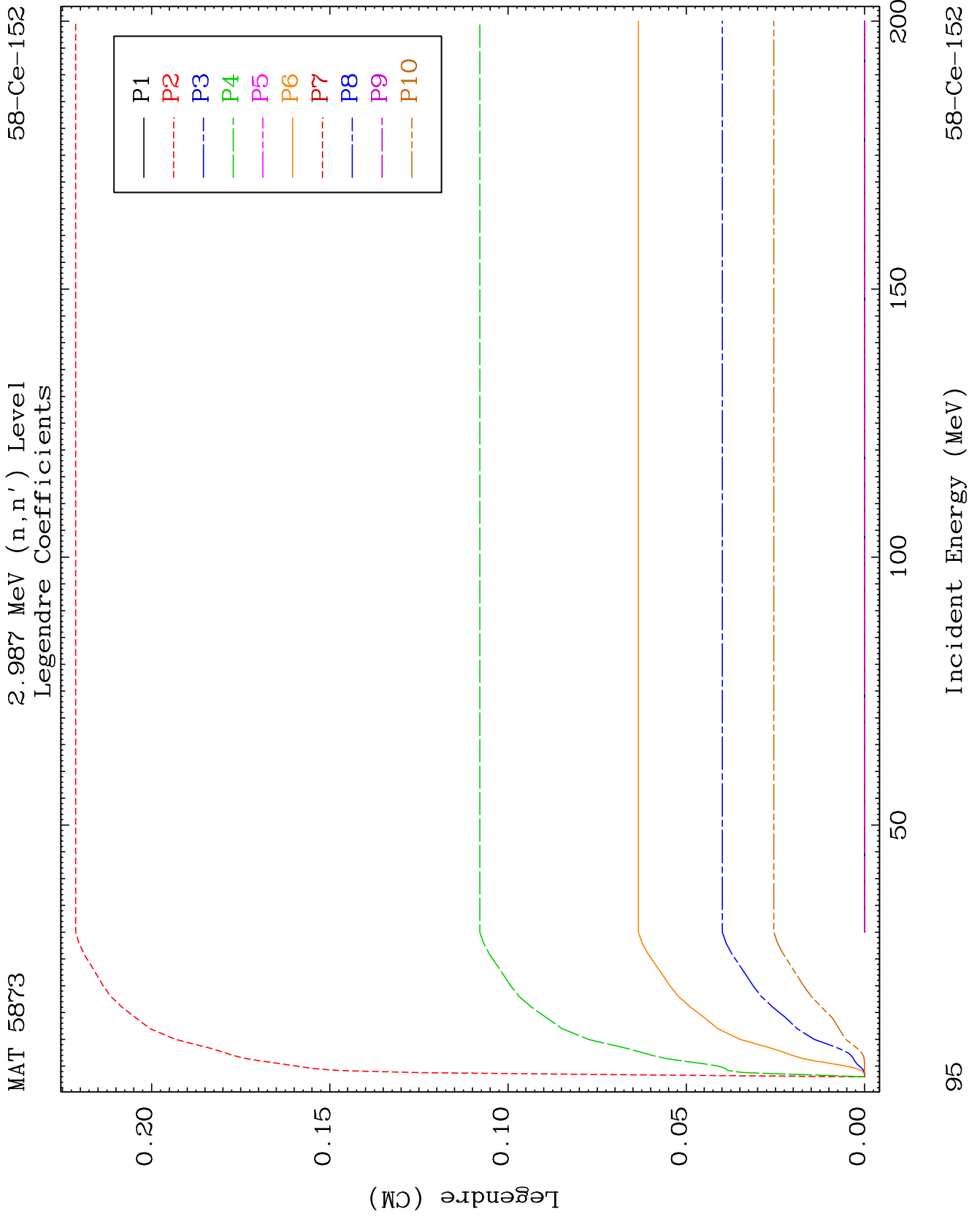


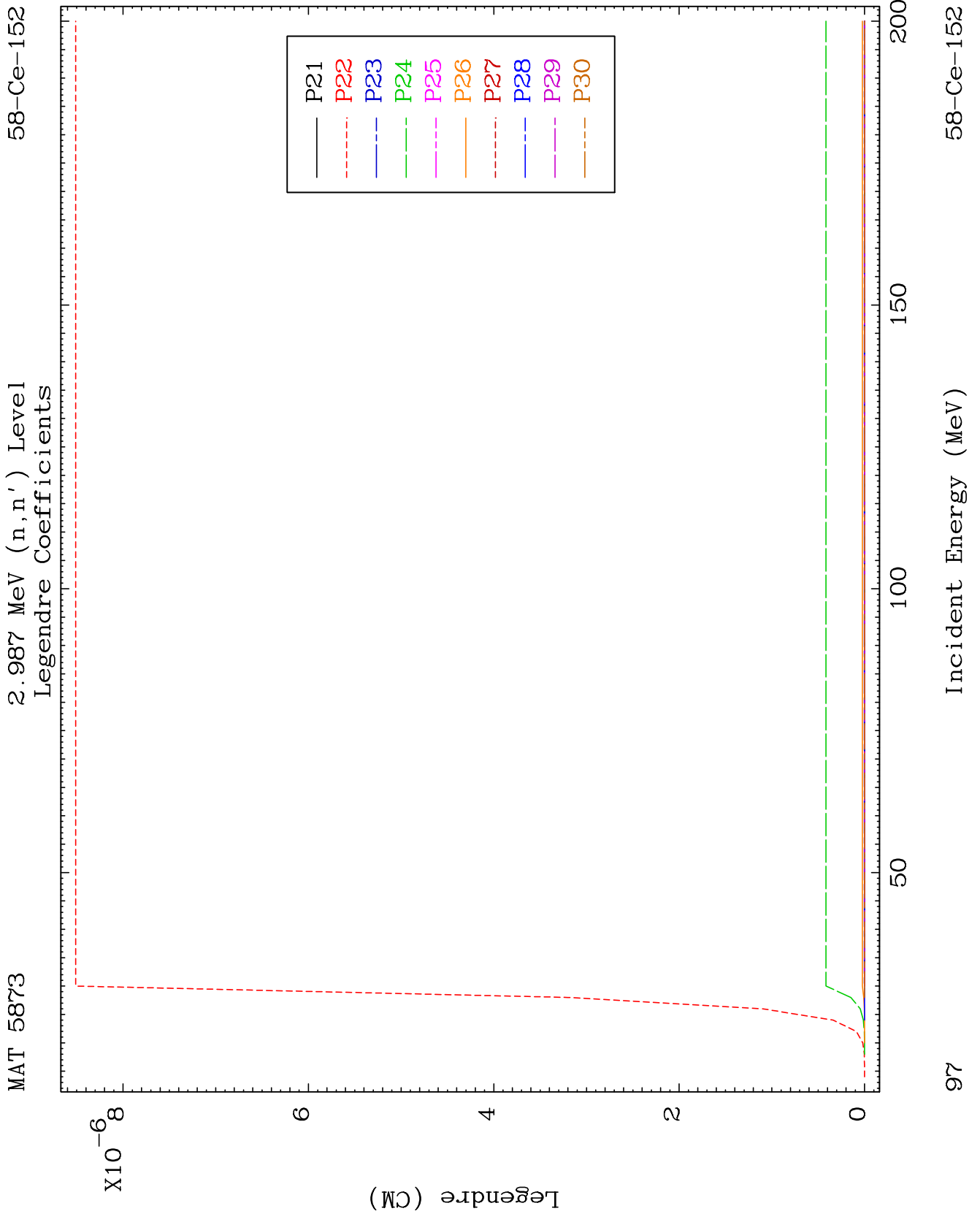
93

Incident Energy (MeV)

58-Ce-152



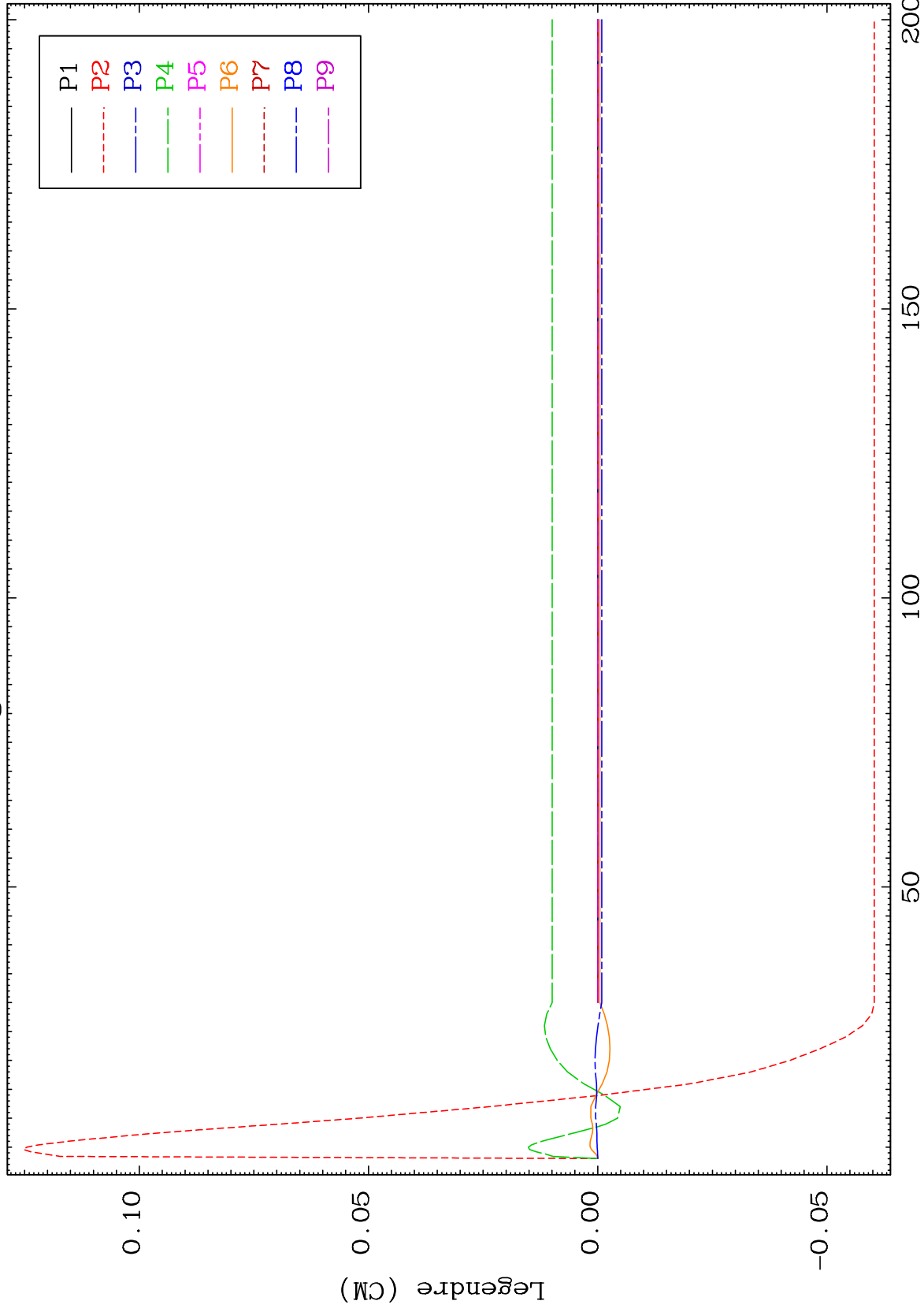




MAT 5873

3.001 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



98

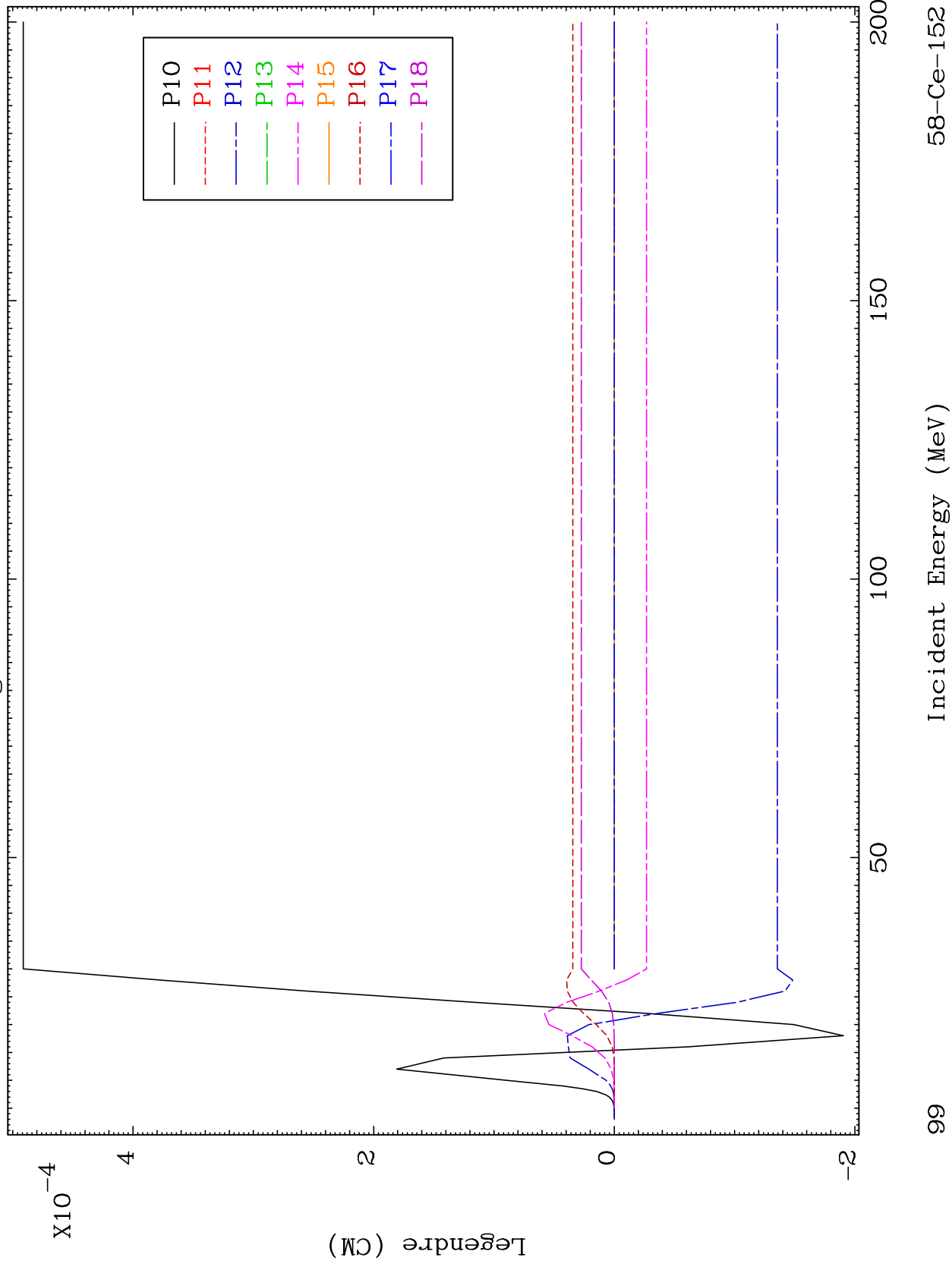
Incident Energy (MeV)

58-Ce-152

MAT 5873

3.001 MeV (n,n') Level
Legendre Coefficients

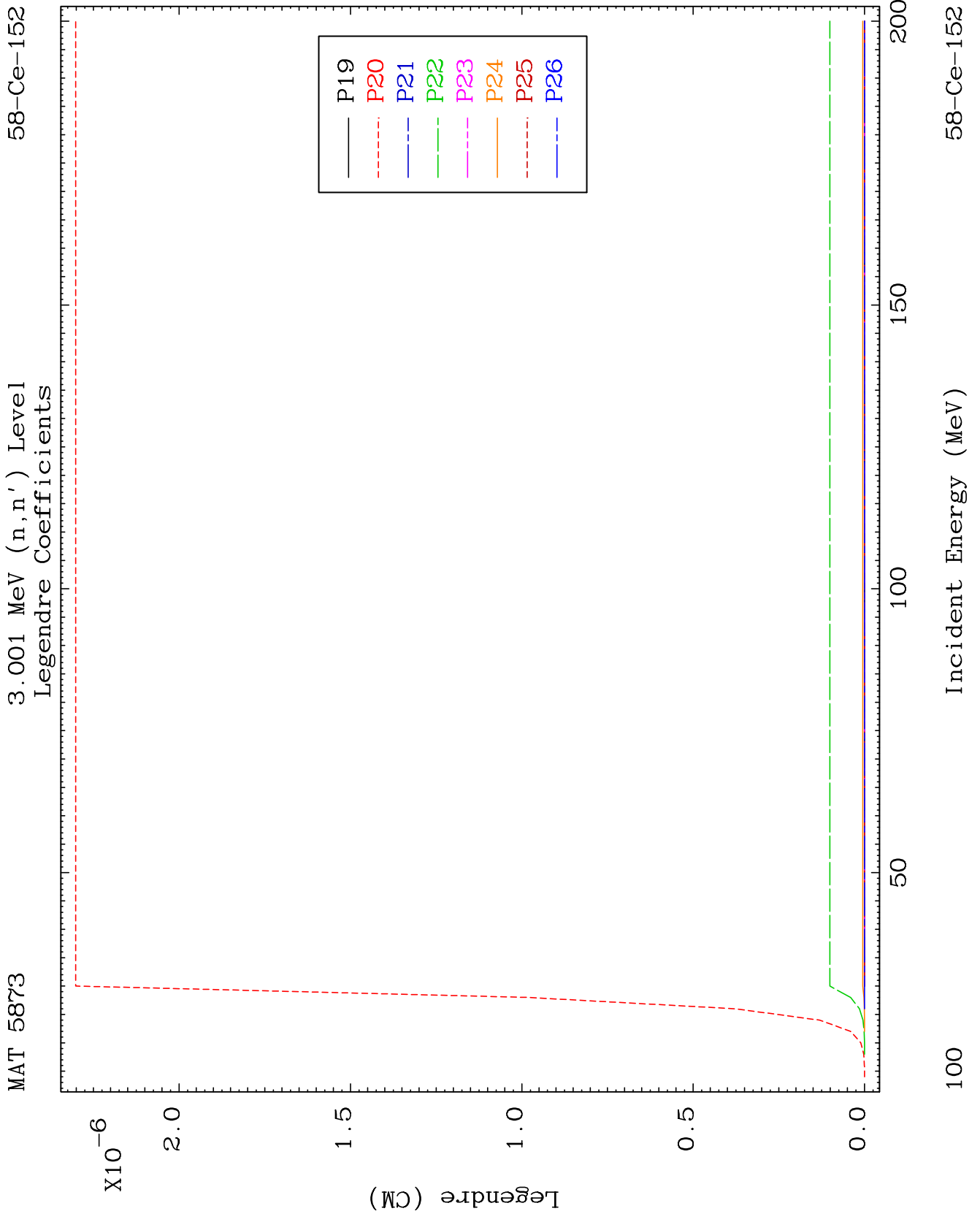
58-Ce-152

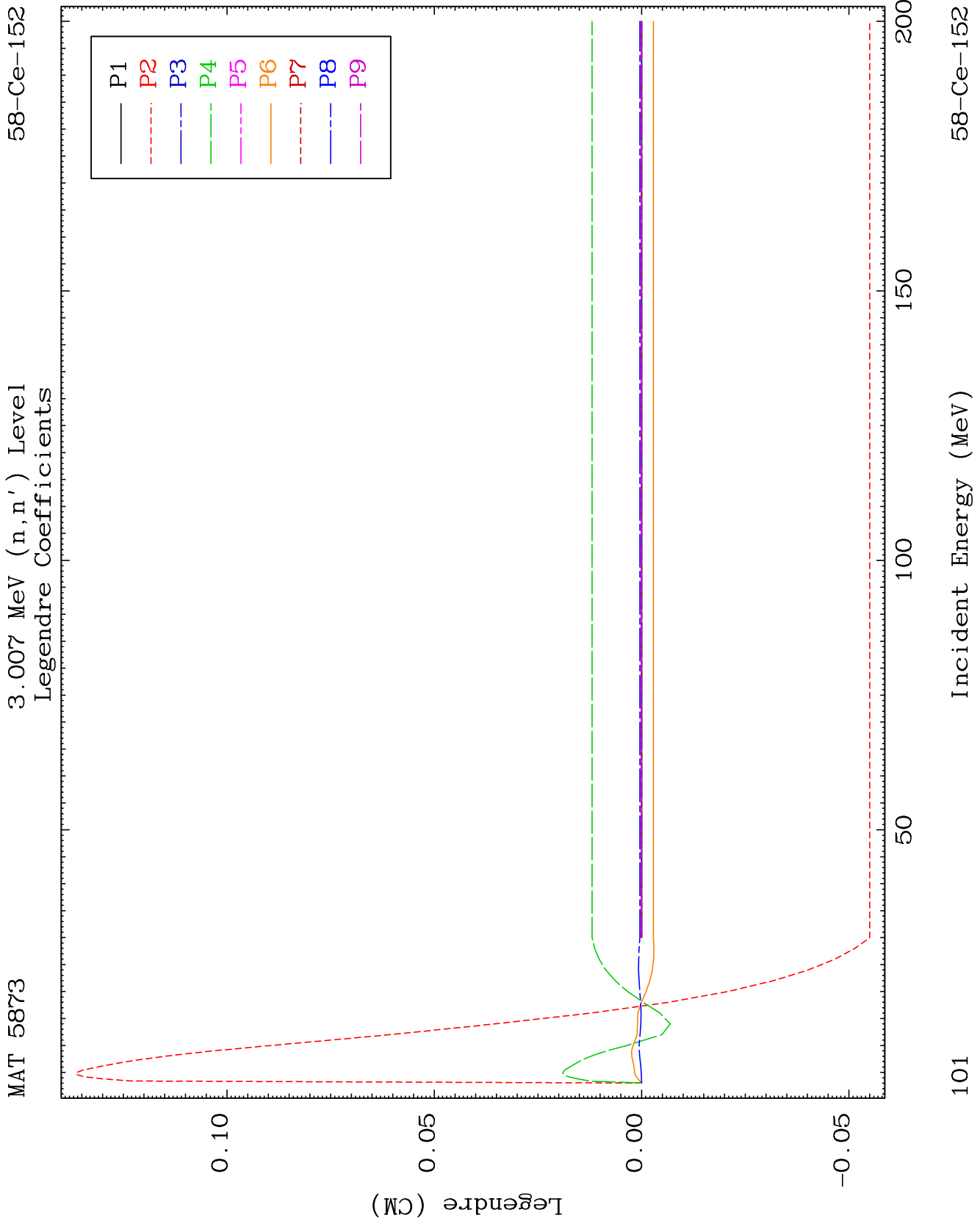


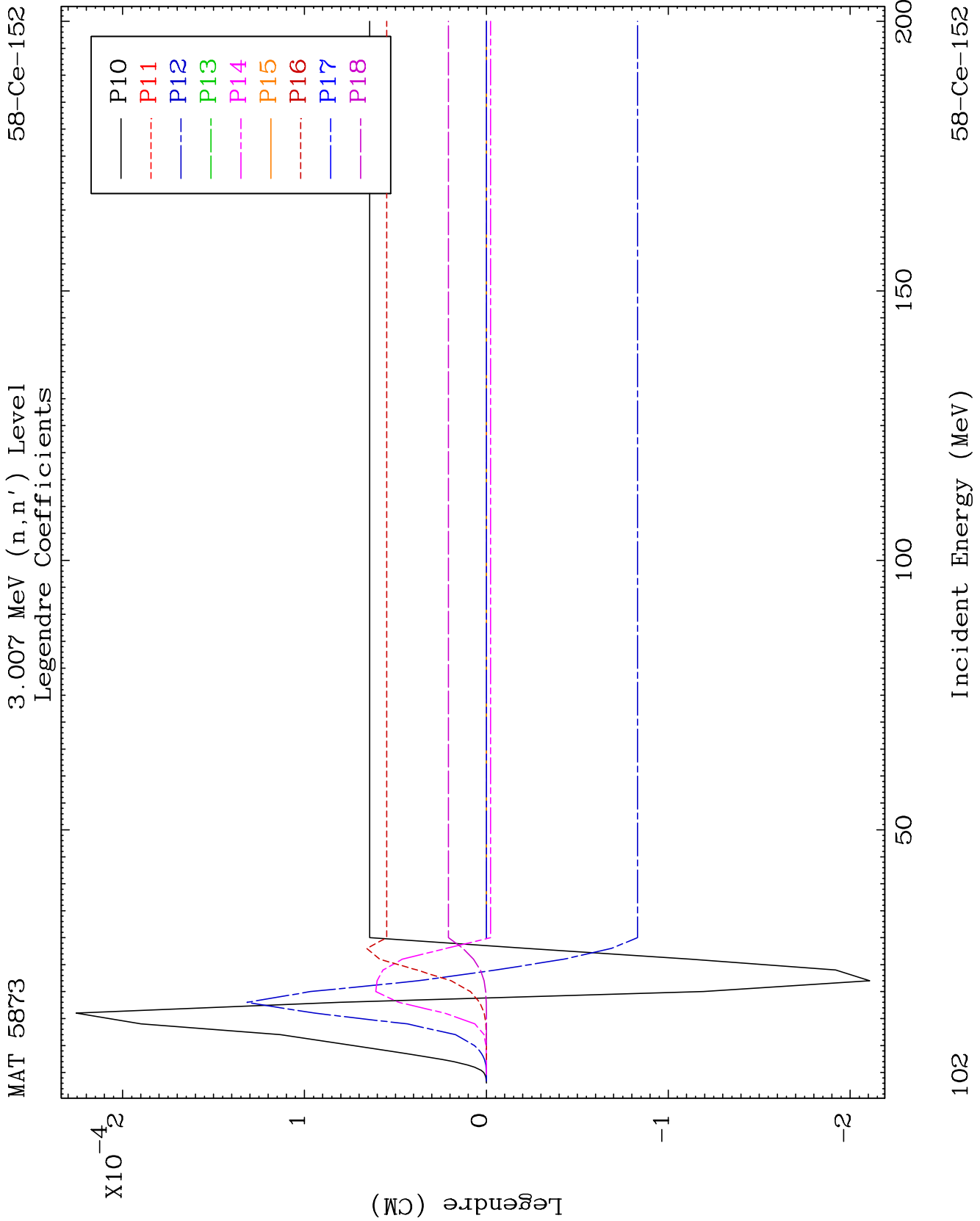
99

Incident Energy (MeV)

58-Ce-152



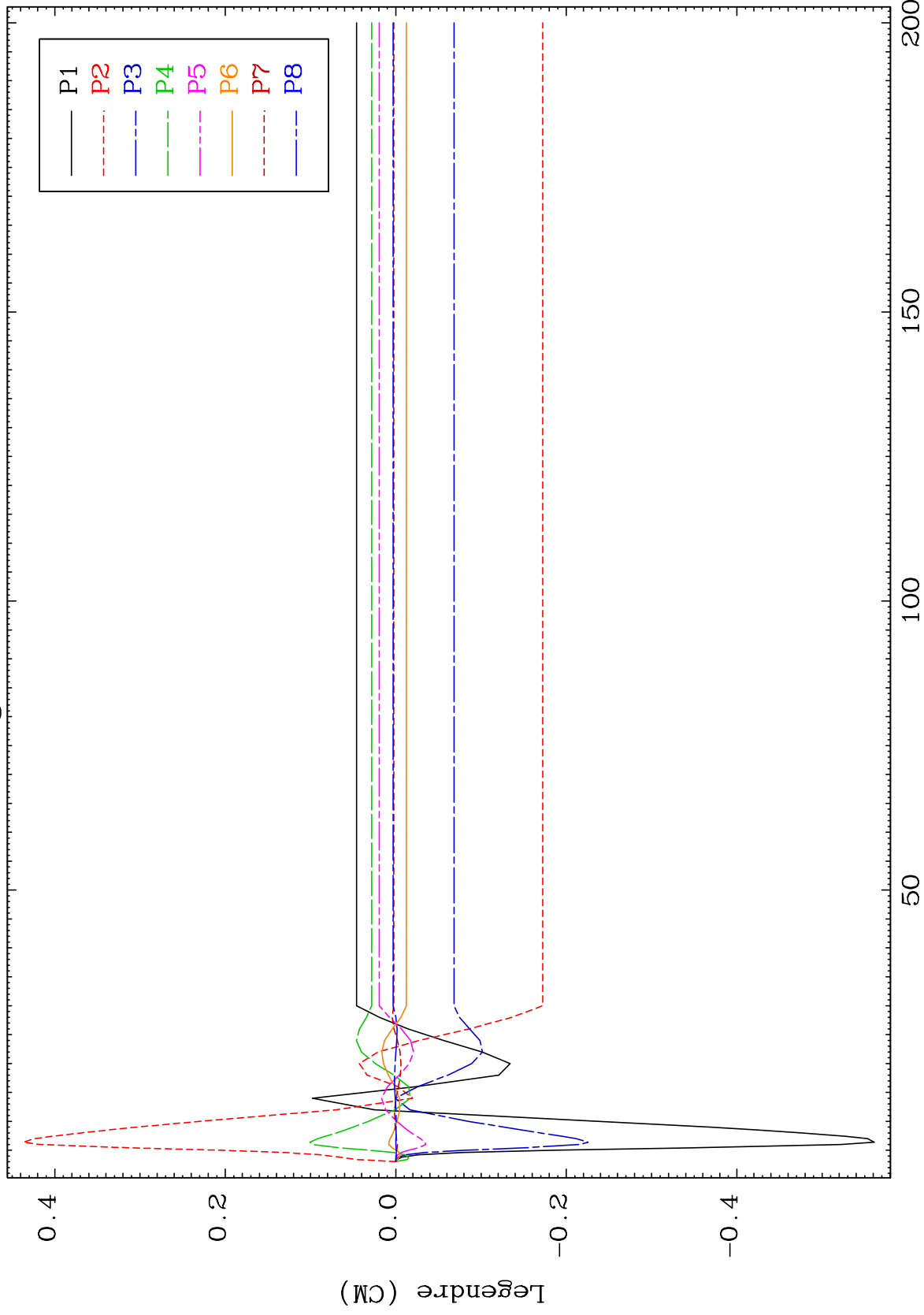




MAT 5873

3.014 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



104

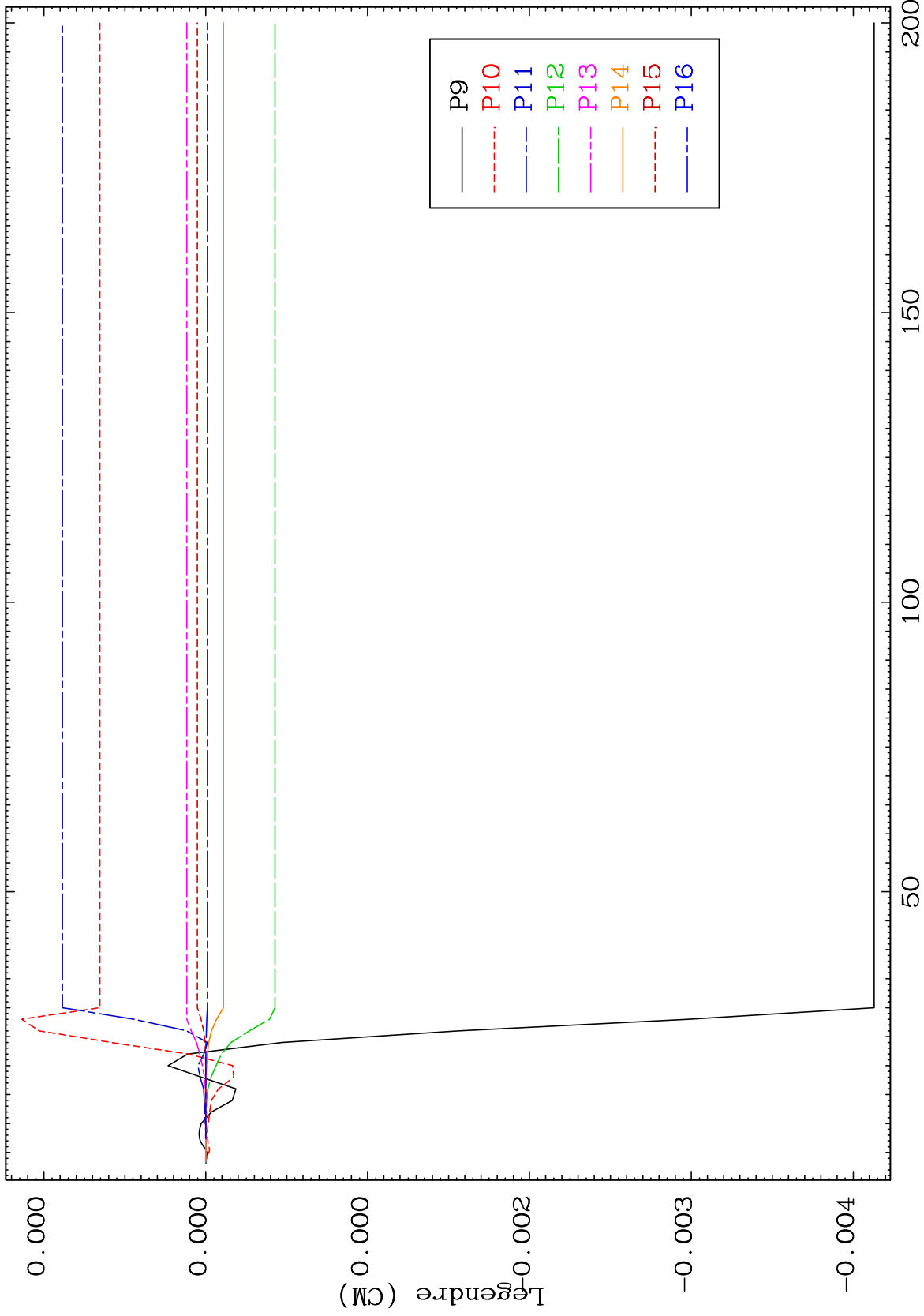
Incident Energy (MeV)

58-Ce-152

MAT 5873

3.014 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



105

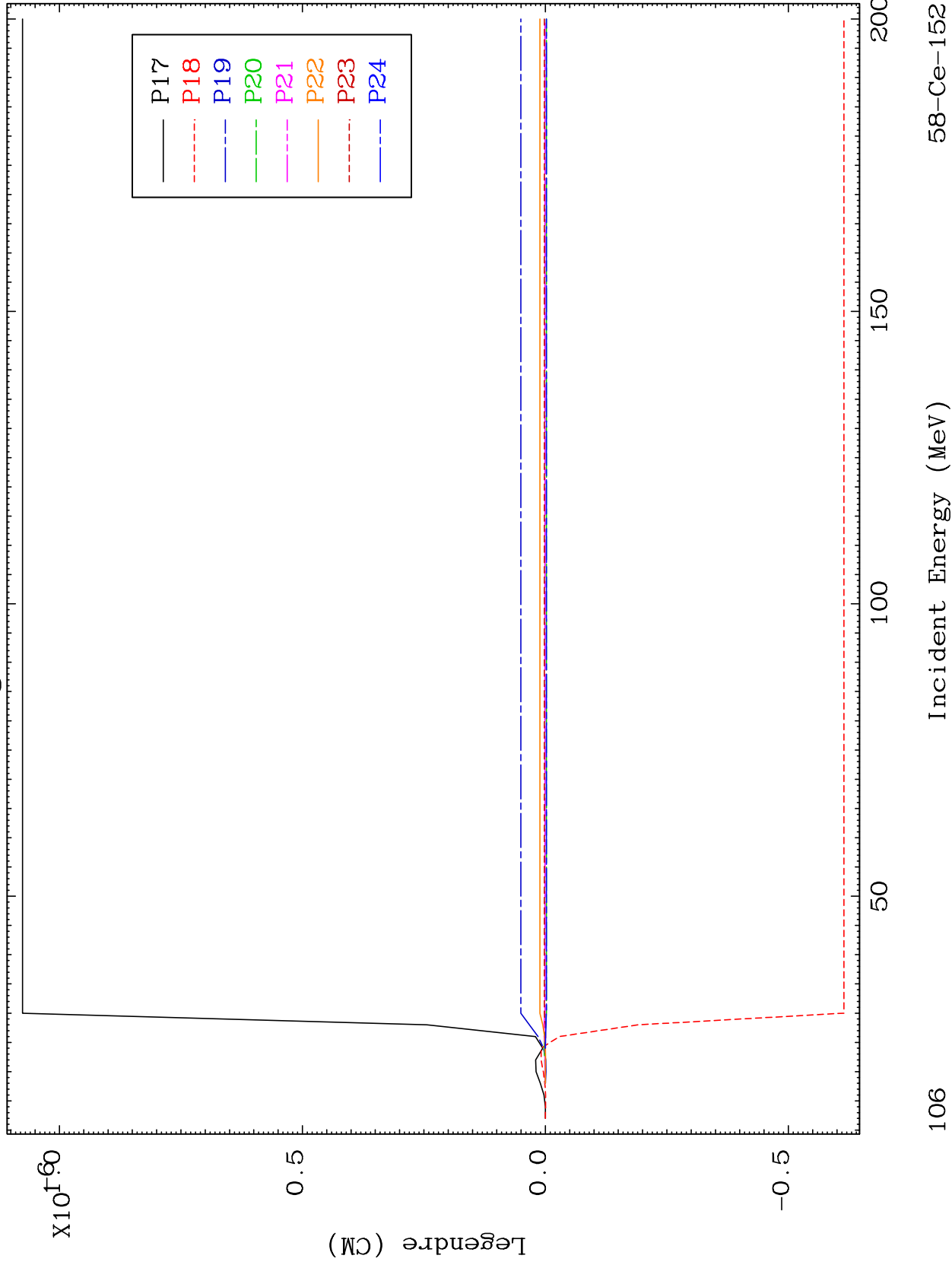
Incident Energy (MeV)

58-Ce-152

MAT 5873

3.014 MeV (n,n') Level
Legendre Coefficients

58-Ce-152



106

Incident Energy (MeV)

58-Ce-152