

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

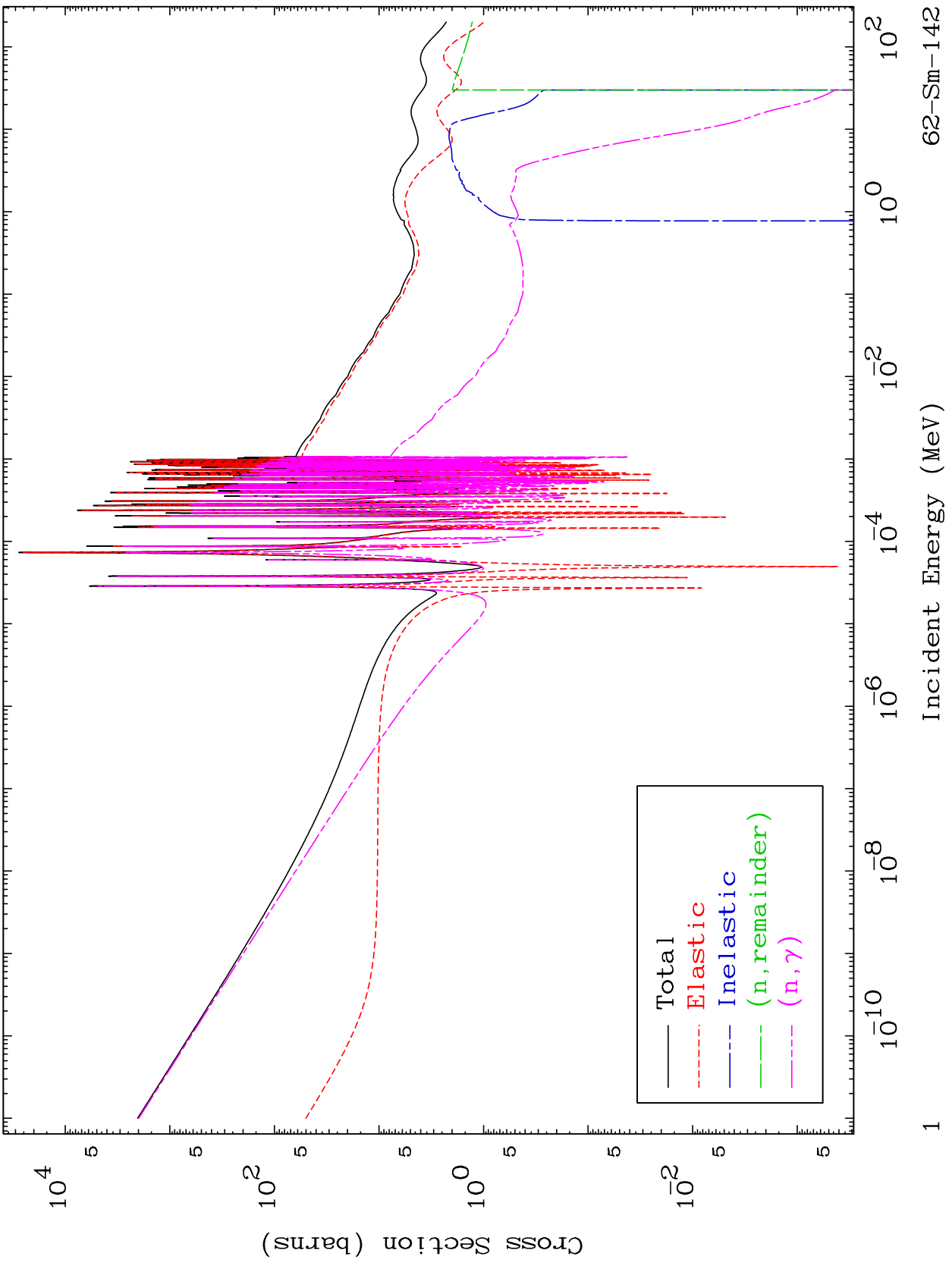
Press Mouse Button to Start

MAT 6219

Major

293 Kelvin Cross Sections

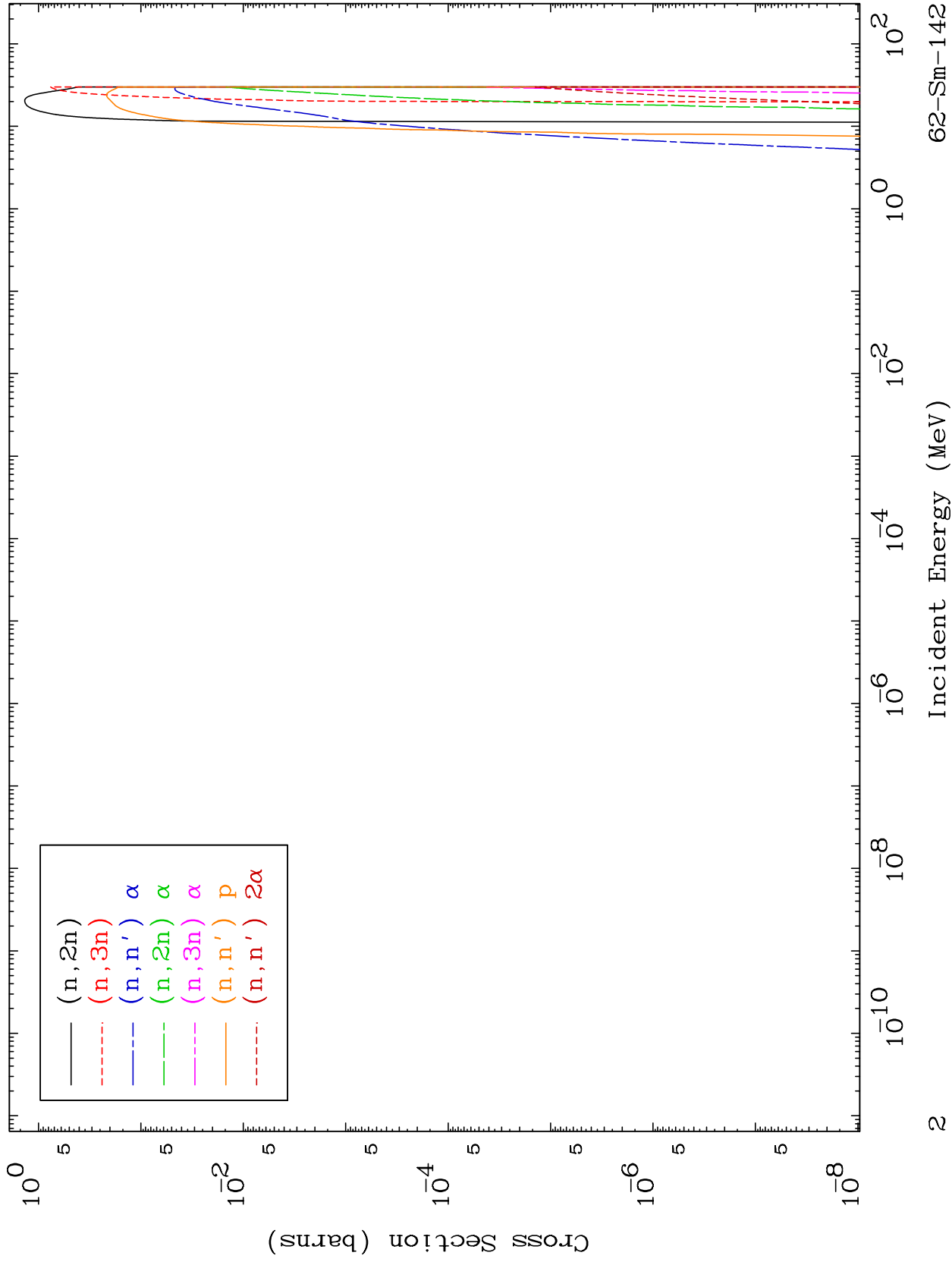
62-Sm-142



MAT 6219

Neutron Production
293 Kelvin Cross Sections

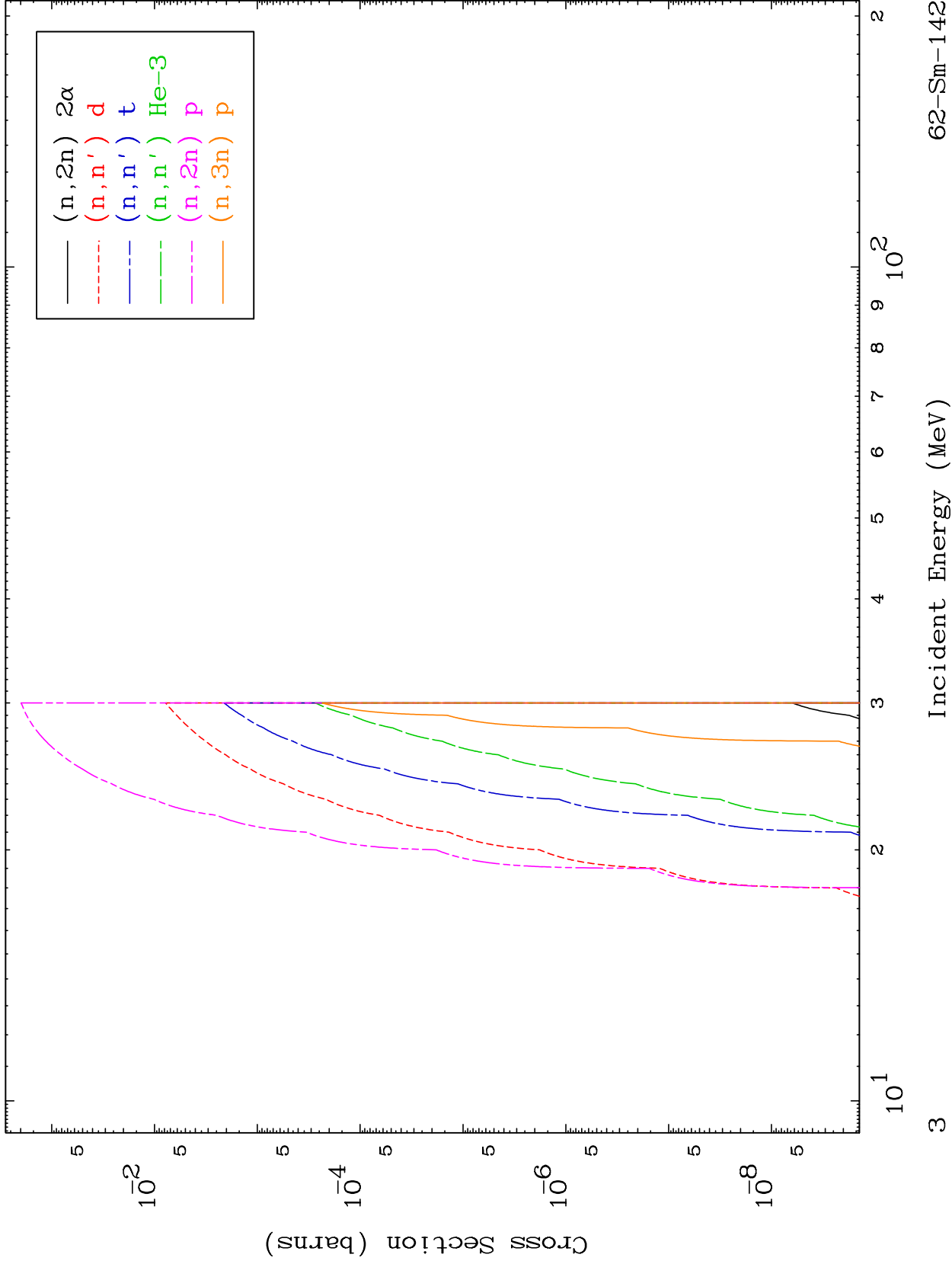
62-Sm-142



MAT 6219

Neutron Production
293 Kelvin Cross Sections

62-Sm-142

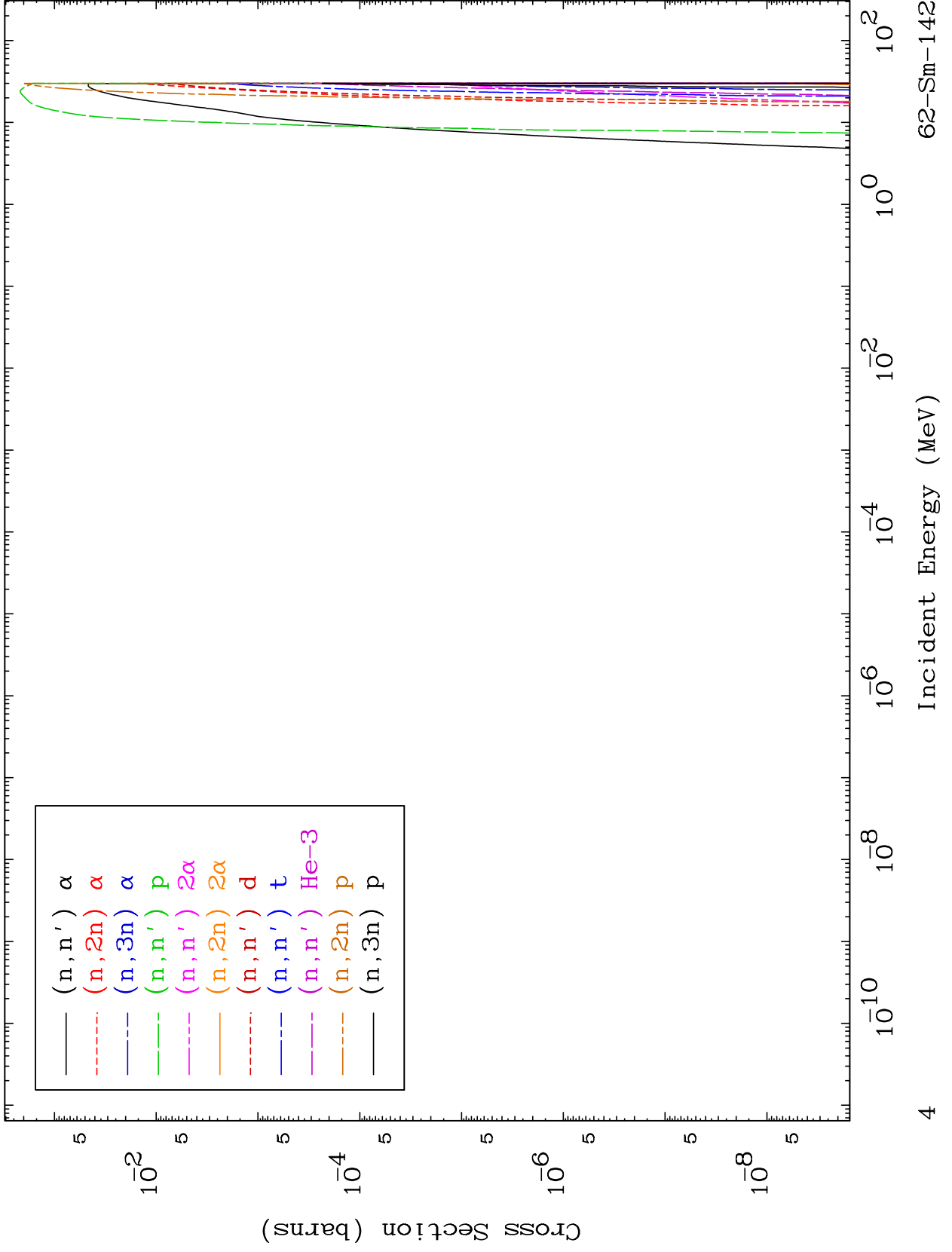


62-Sm-142

MAT 6219

Charged Particle
293 Kelvin Cross Sections

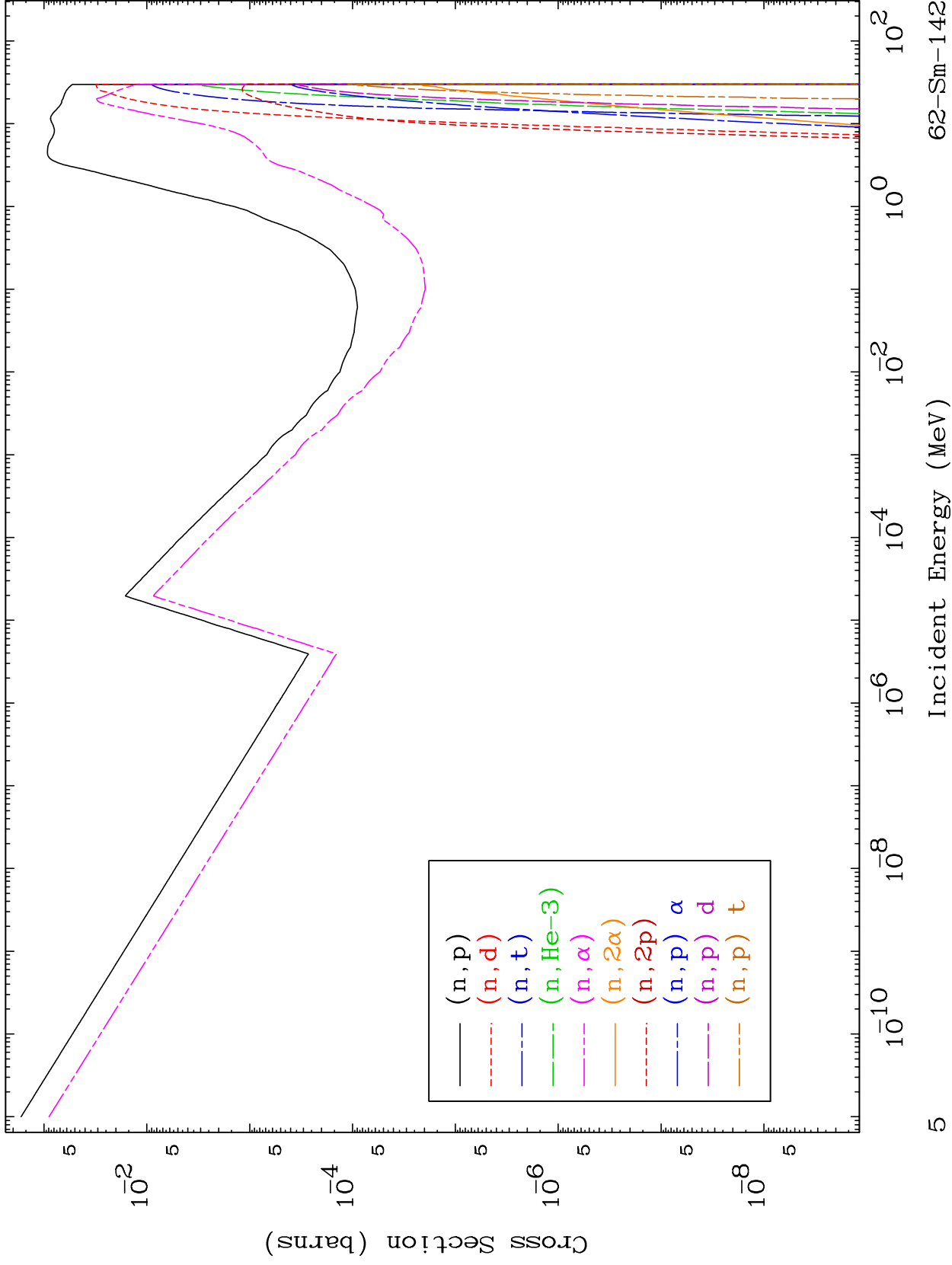
62-Sm-142

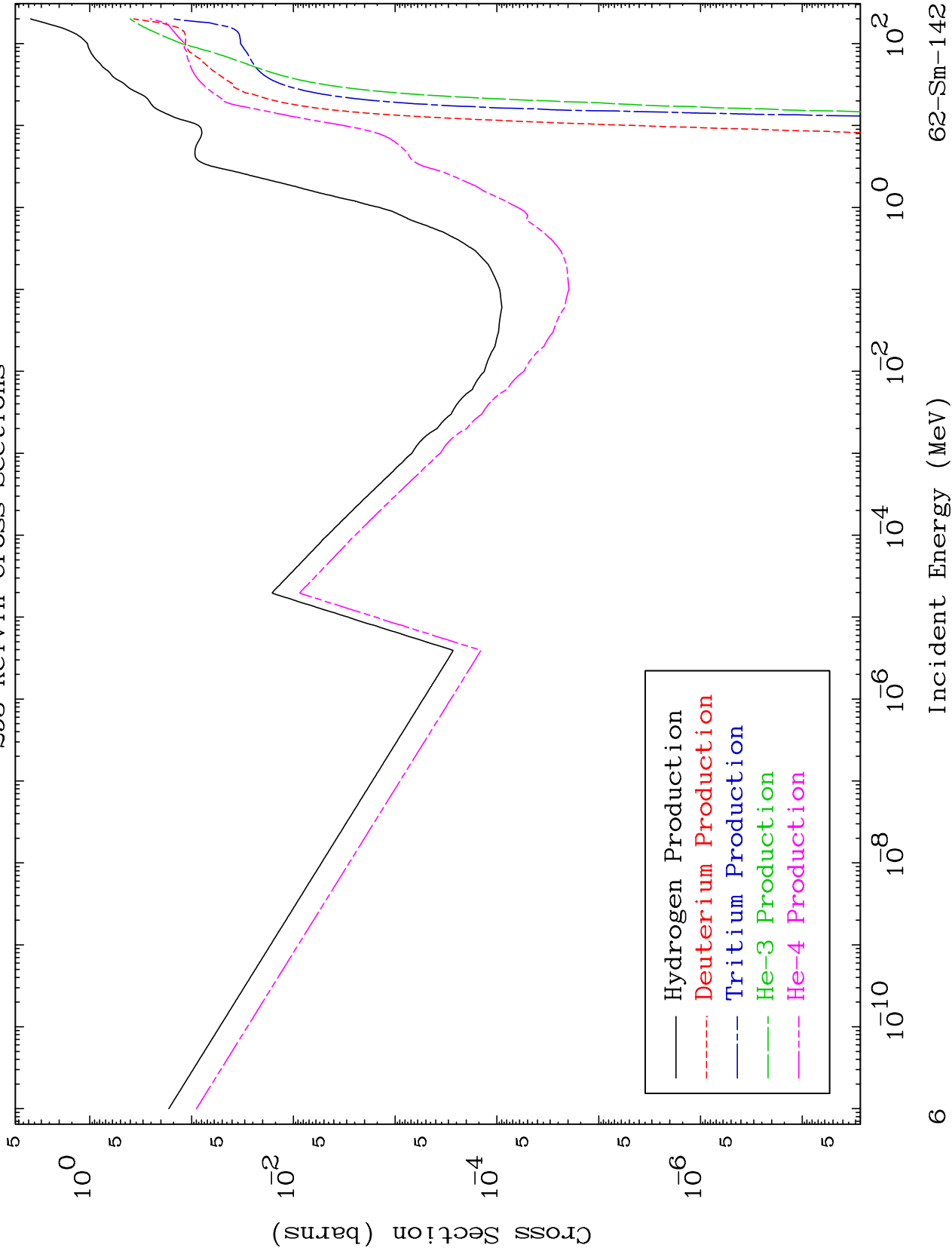


MAT 6219

Charged Particle
293 Kelvin Cross Sections

62-Sm-142

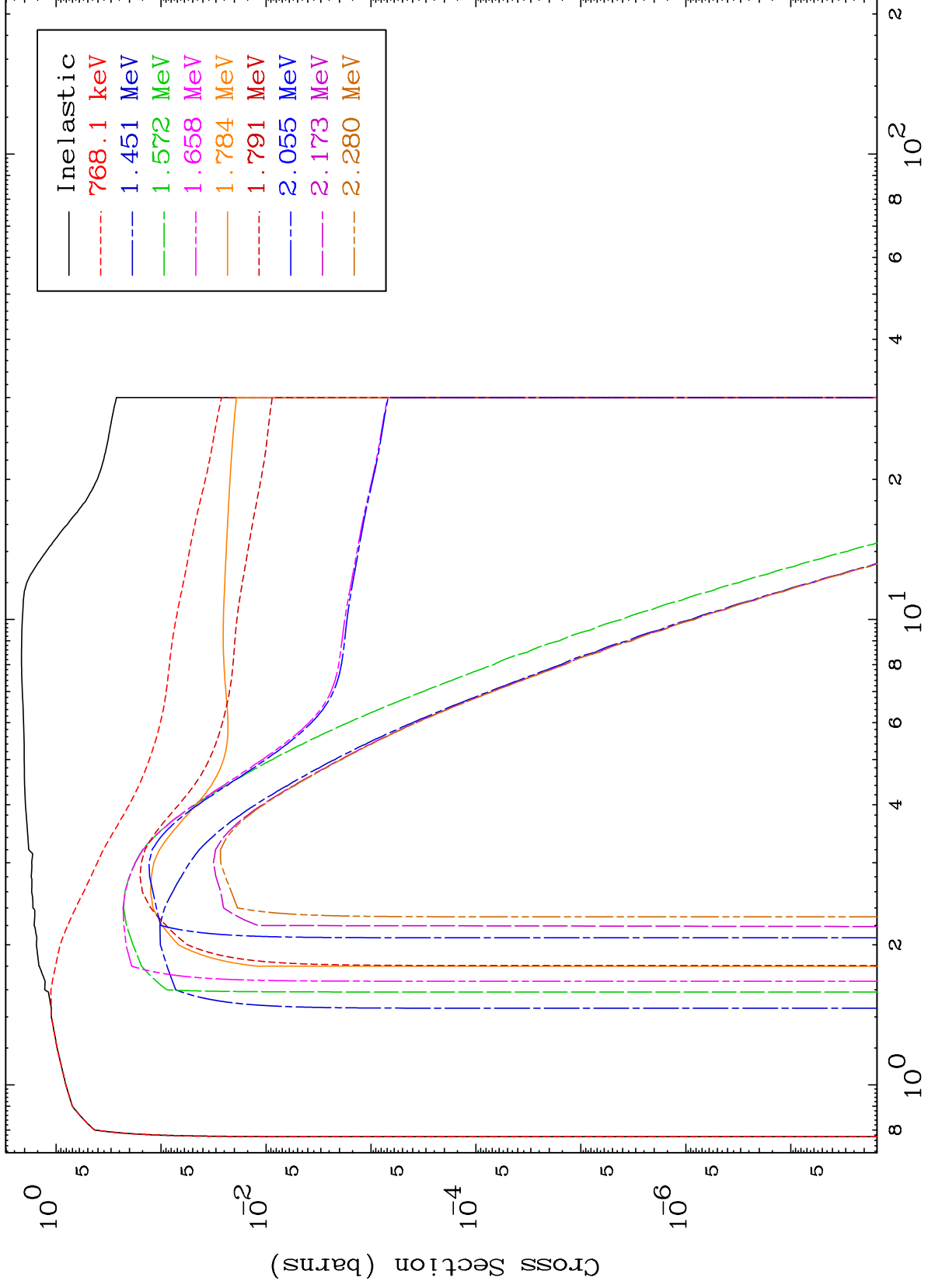




MAT 6219

(n,n') Level
293 Kelvin Cross Sections

62-Sm-142



7

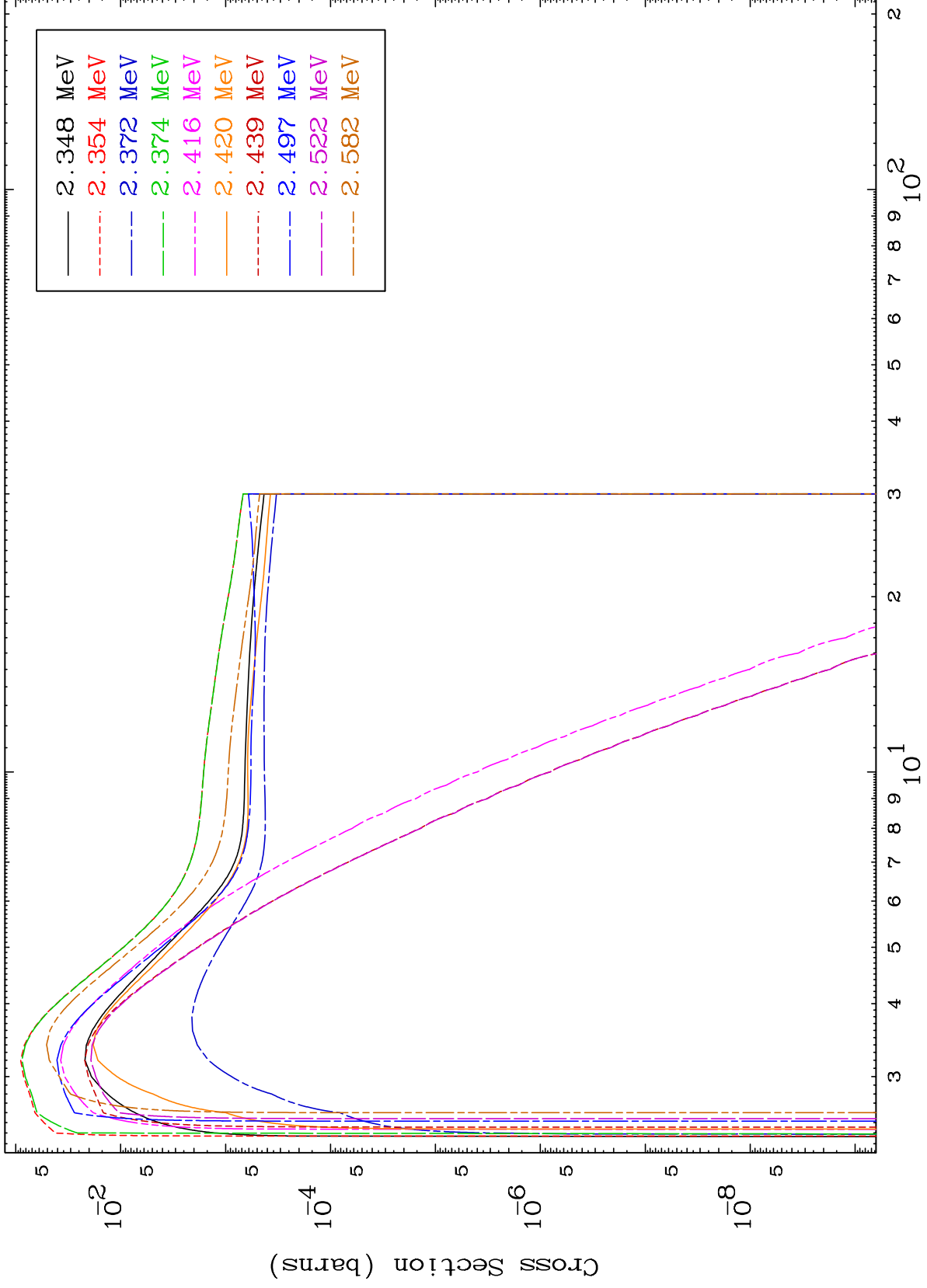
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n,n') Level
293 Kelvin Cross Sections

62-Sm-142



8

Incident Energy (MeV)

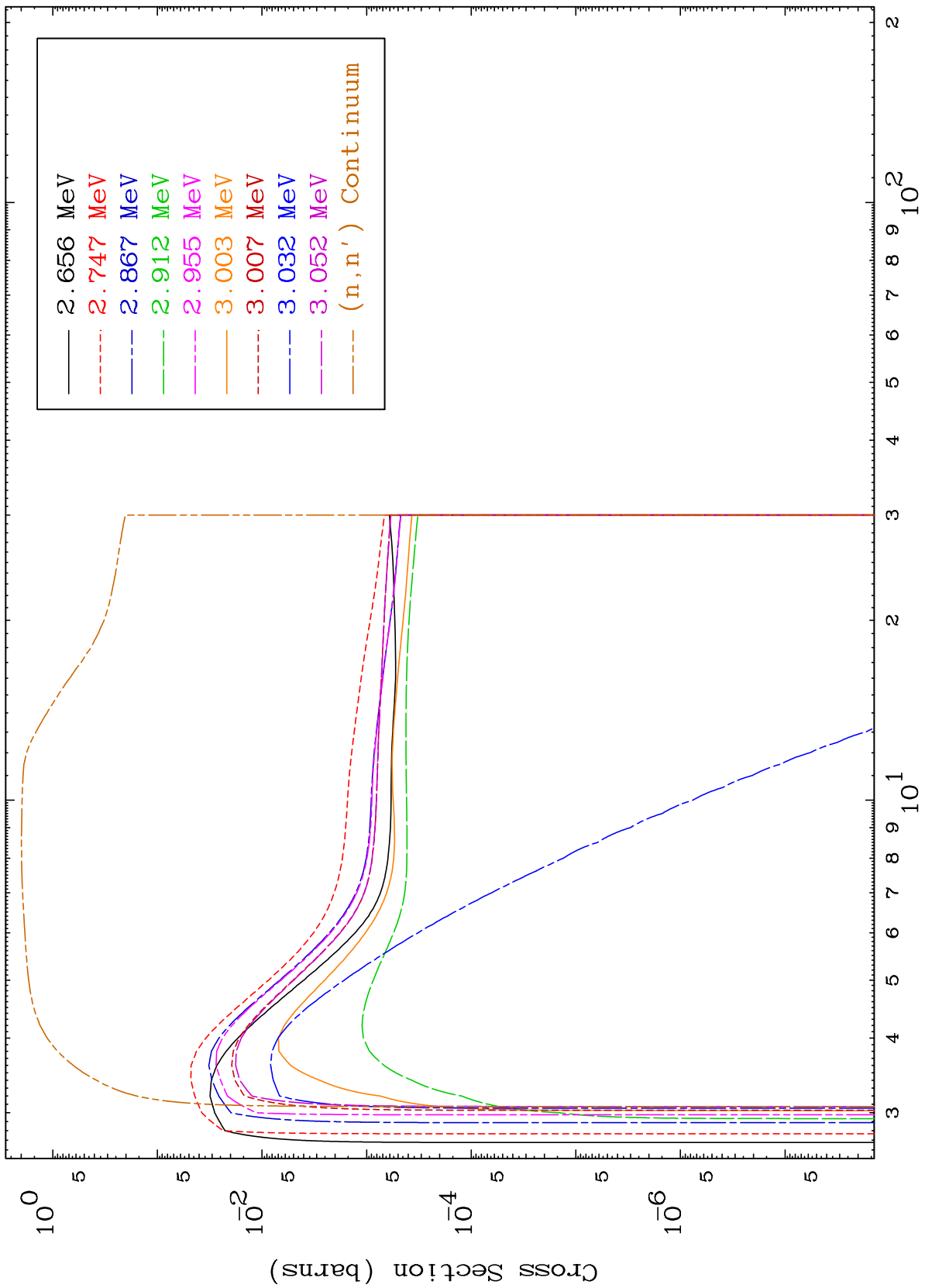
62-Sm-142

MAT 6219

(n,n') Level

62-Sm-142

293 Kelvin Cross Sections



9

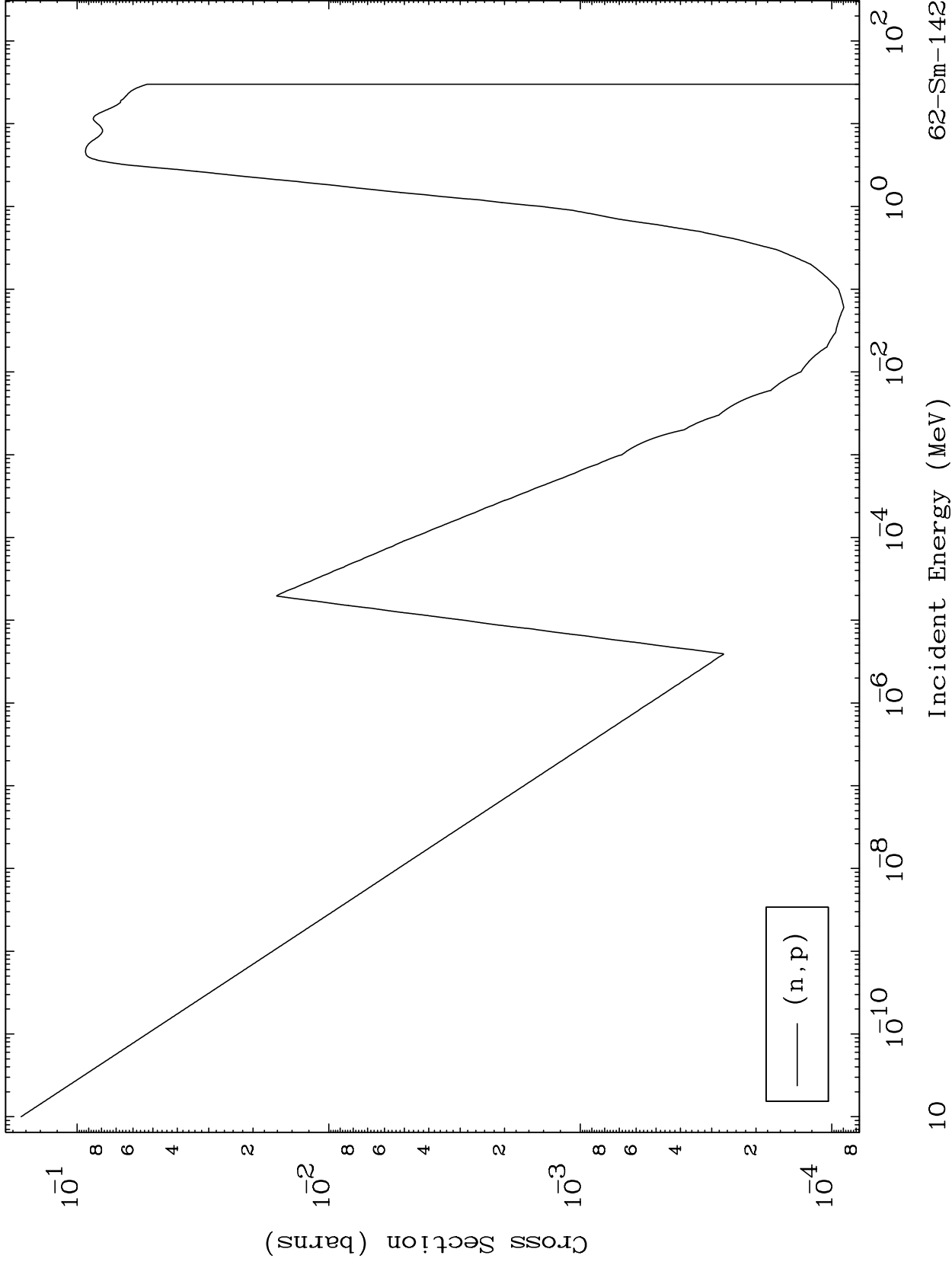
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n,p) Levels
293 Kelvin Cross Sections

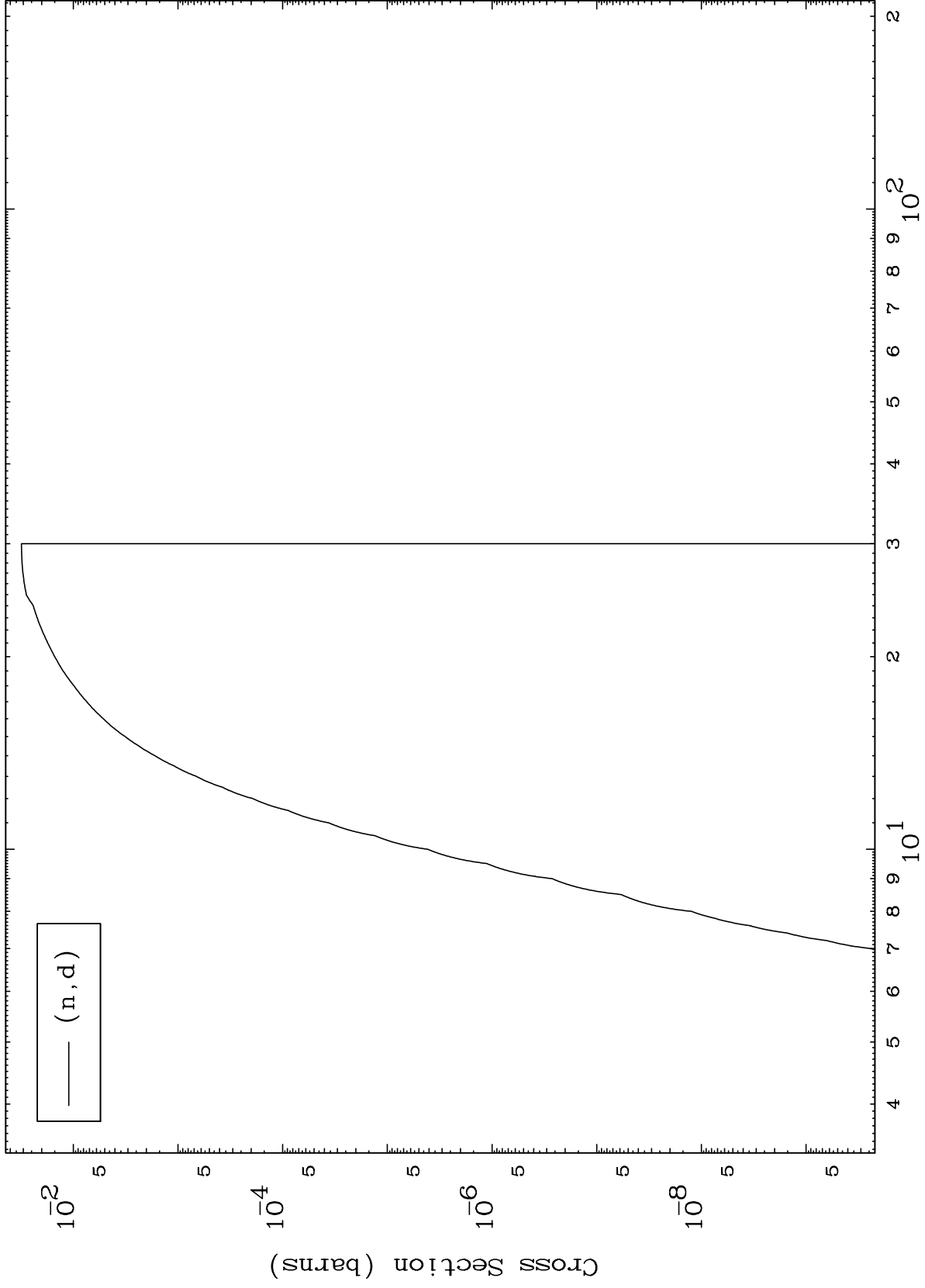
62-Sm-142



MAT 6219

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-142



11

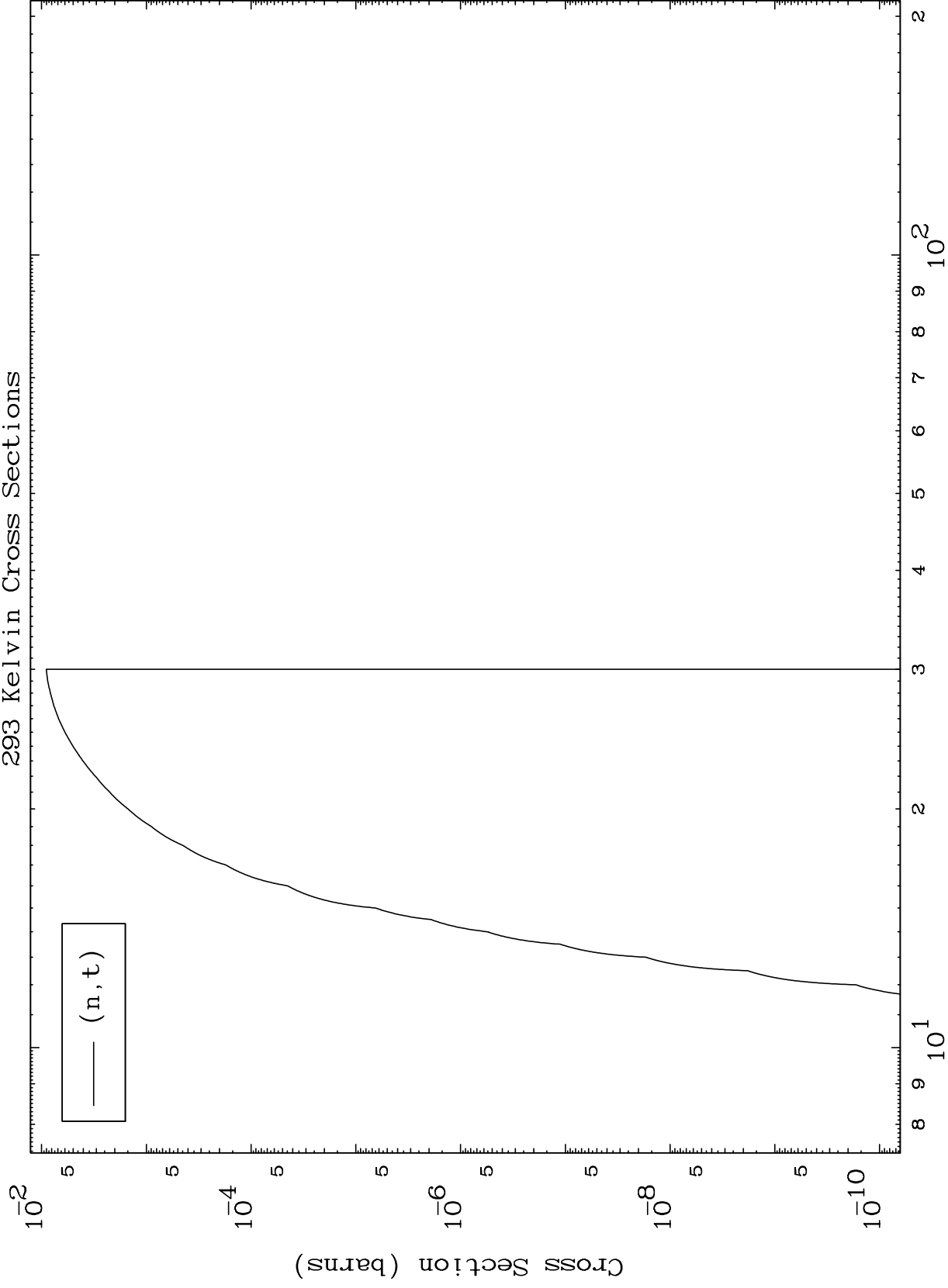
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-142



12

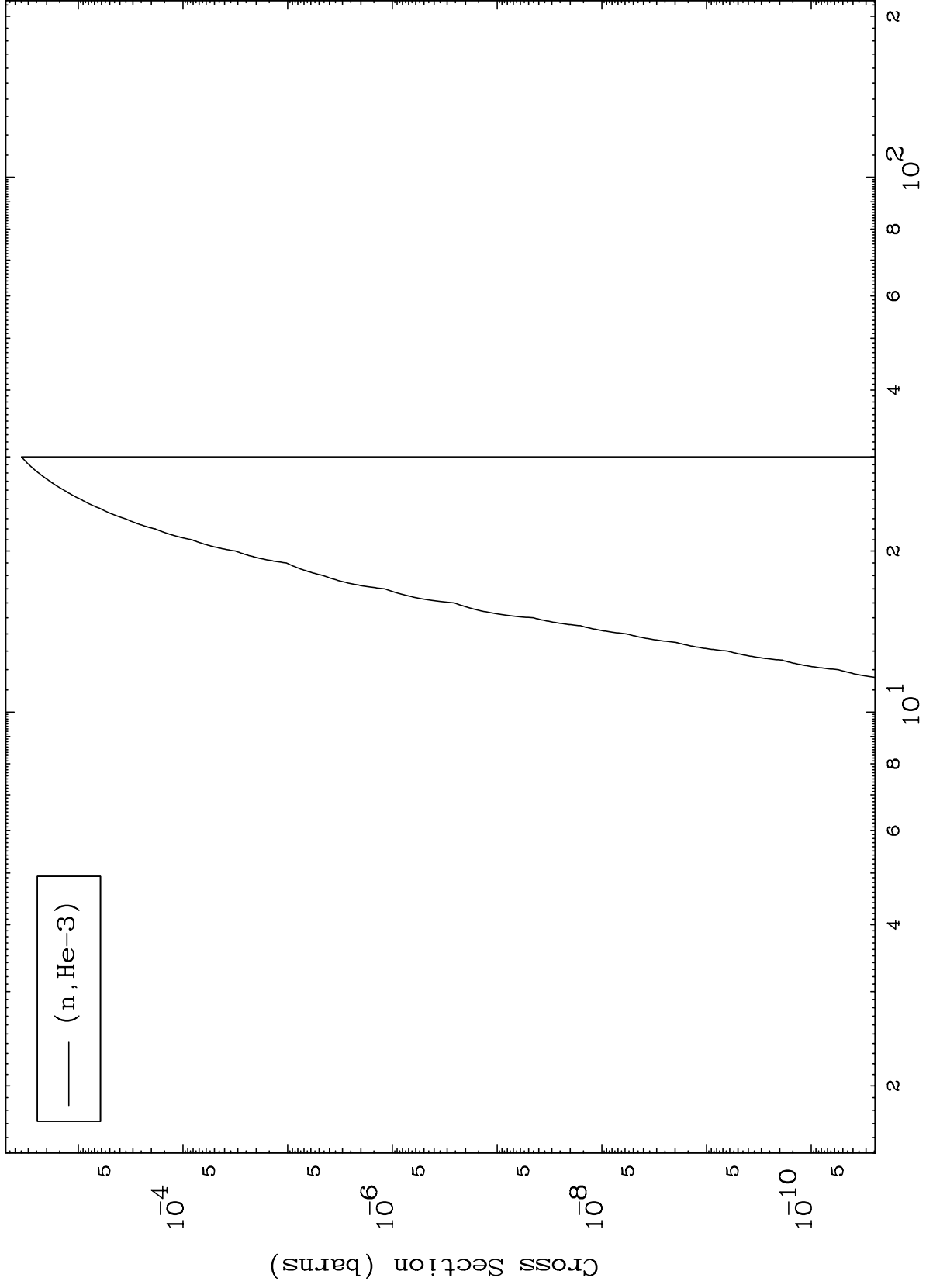
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n,He3) Levels
293 Kelvin Cross Sections

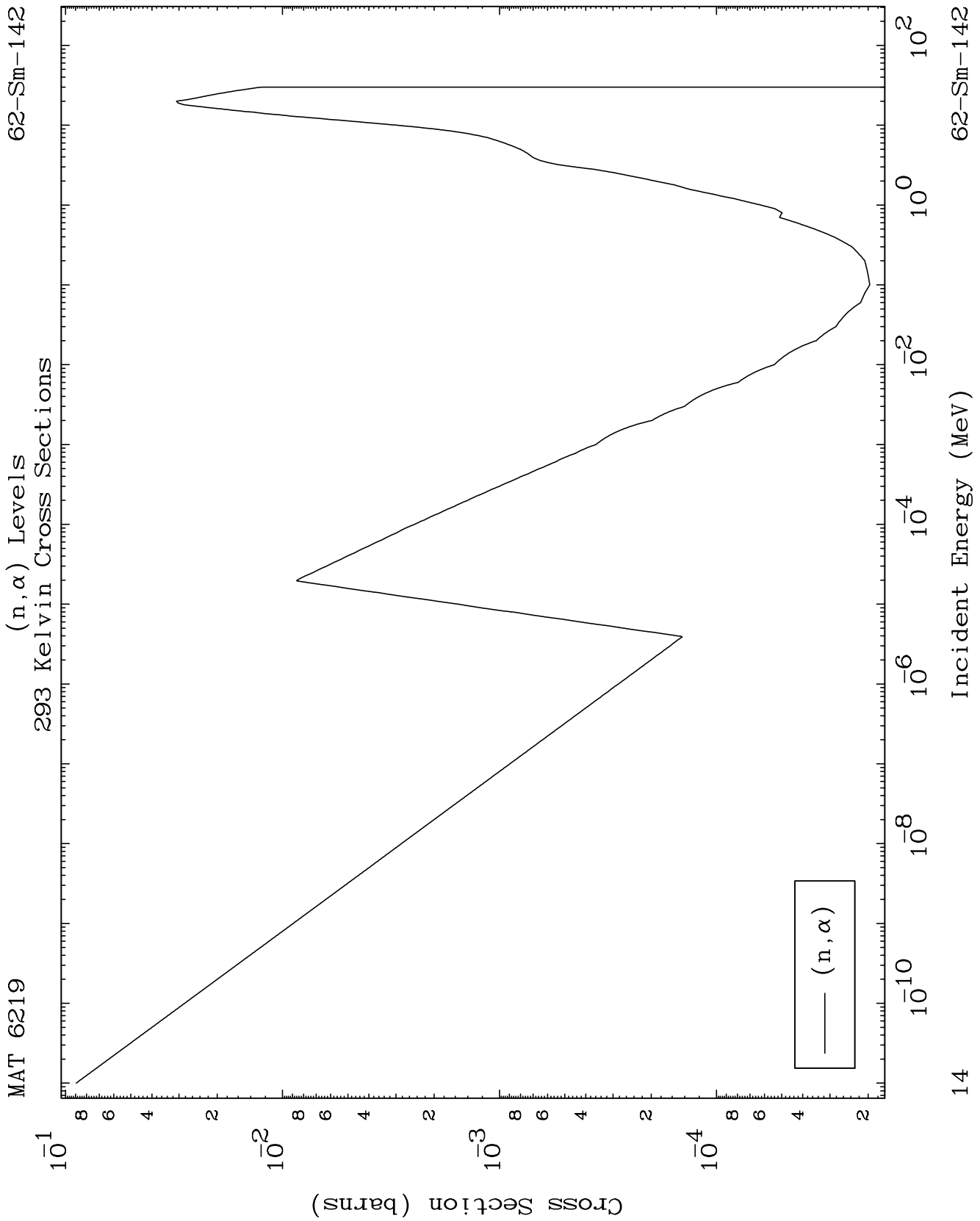
62-Sm-142

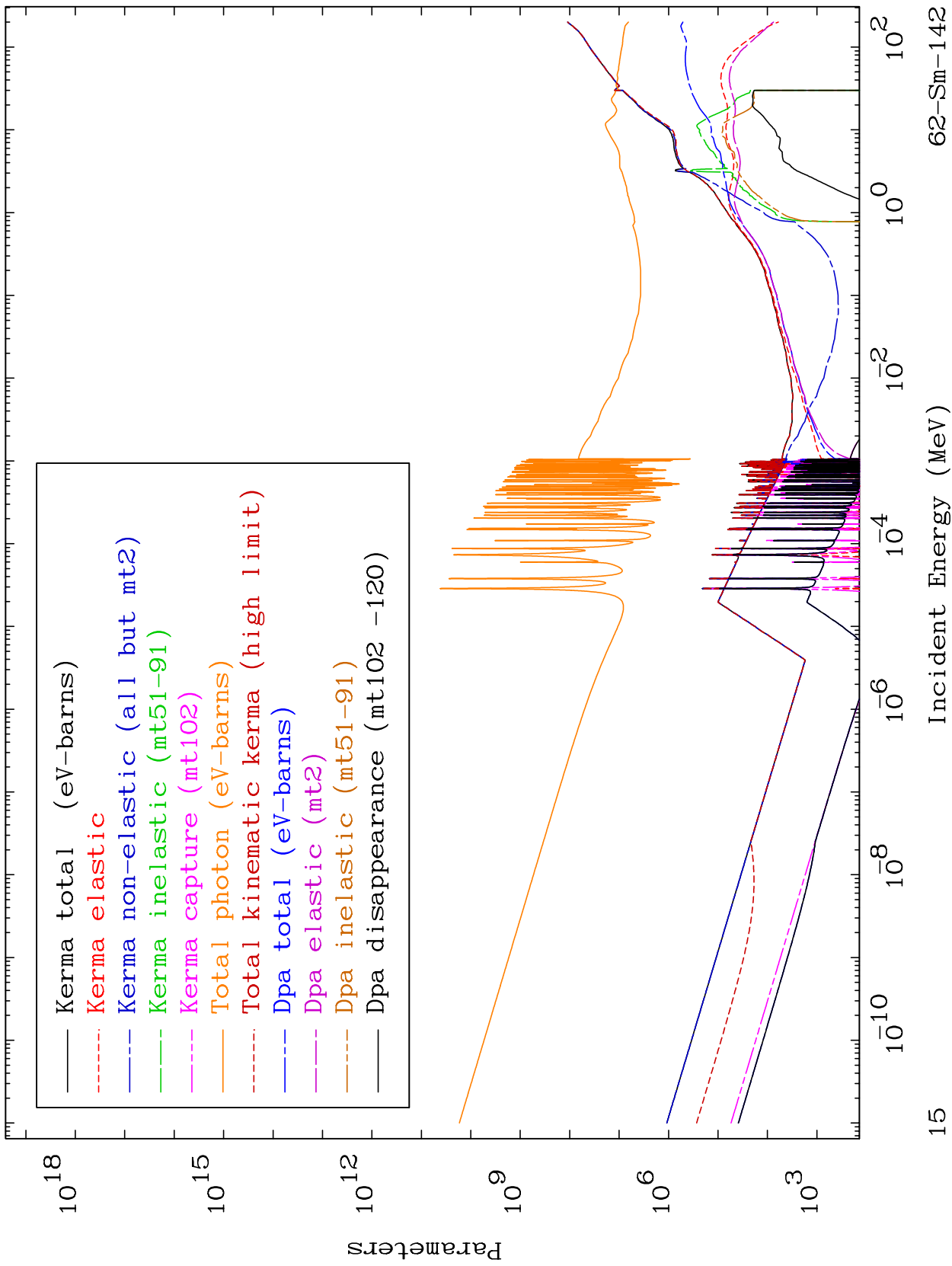


13

Incident Energy (MeV)

62-Sm-142

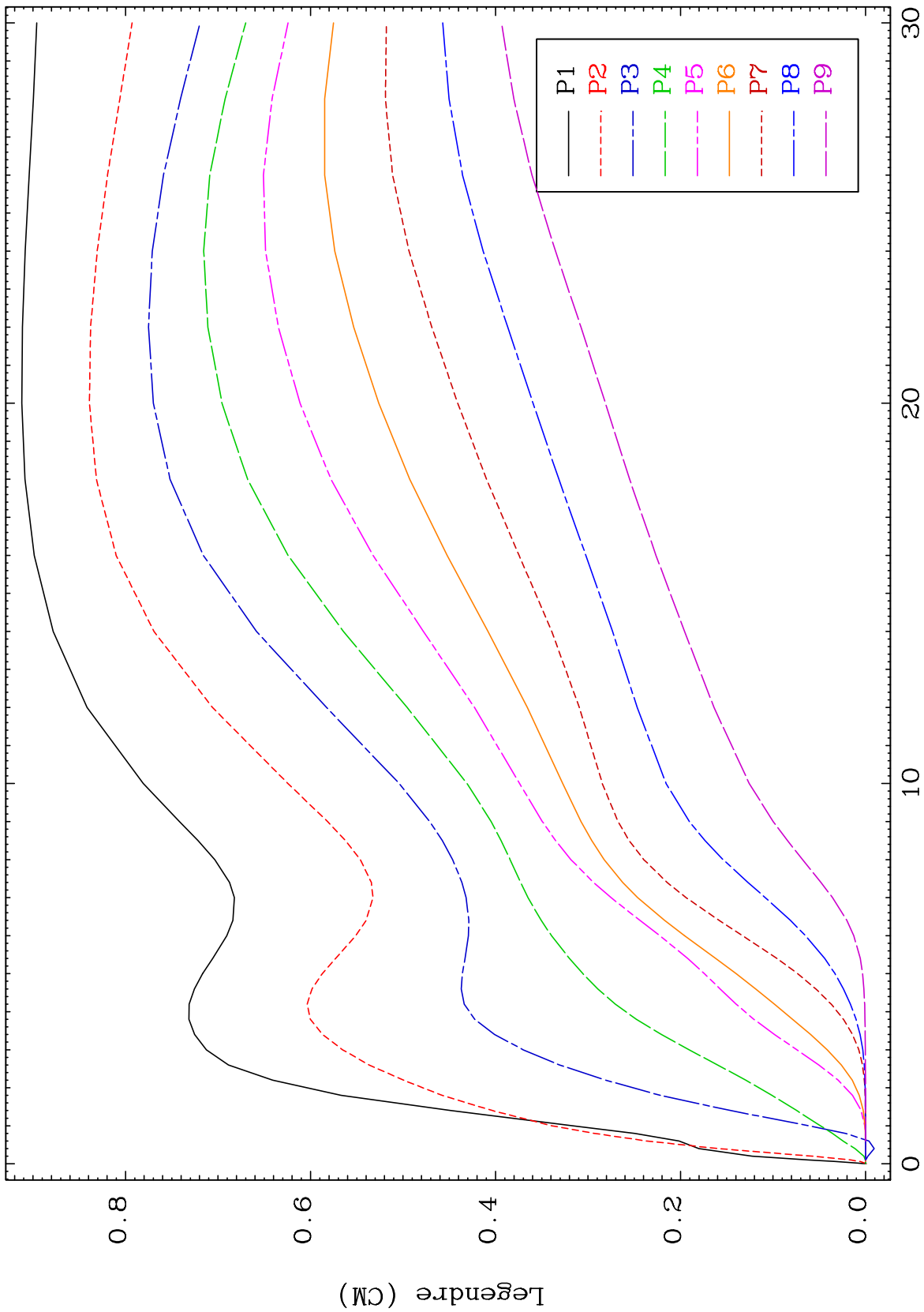




MAT 6219

Elastic Legendre Coefficients

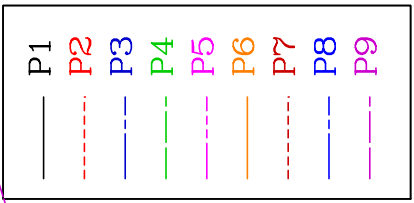
62-Sm-142



16

Incident Energy (MeV)

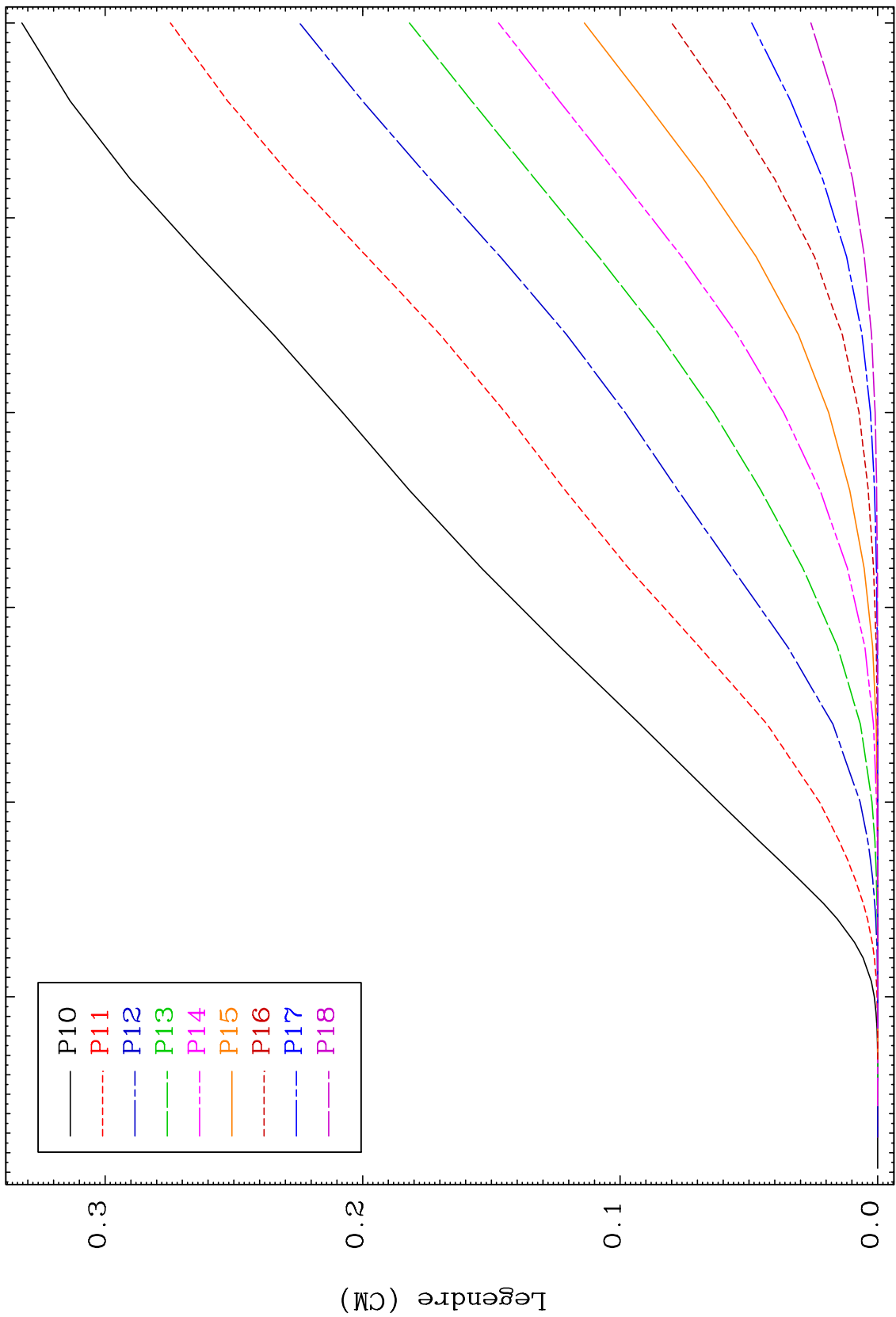
62-Sm-142



MAT 6219

Elastic Legendre Coefficients

62-Sm-142



17

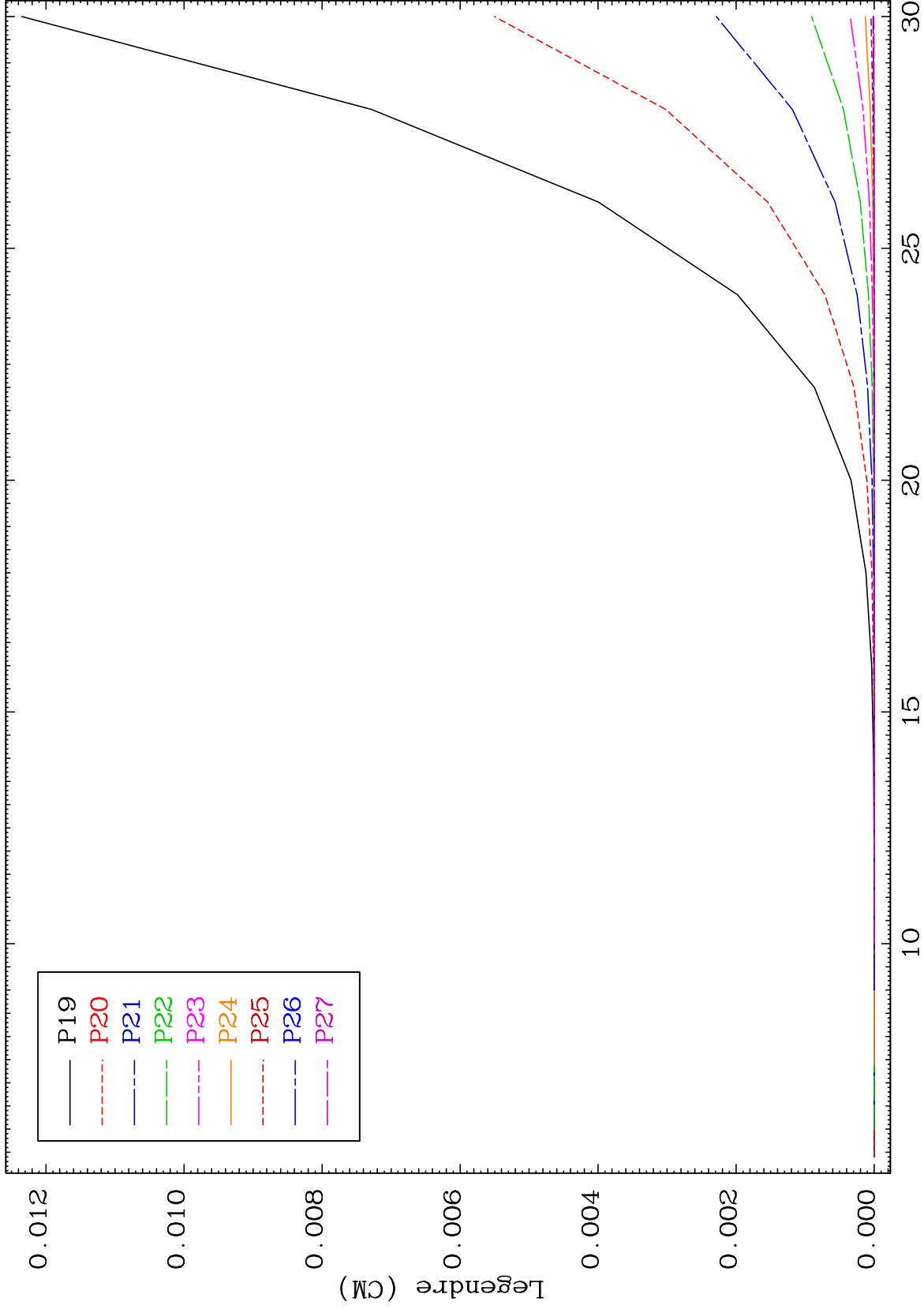
Incident Energy (MeV)

62-Sm-142

MAT 6219

Elastic Legendre Coefficients

62-Sm-142



18

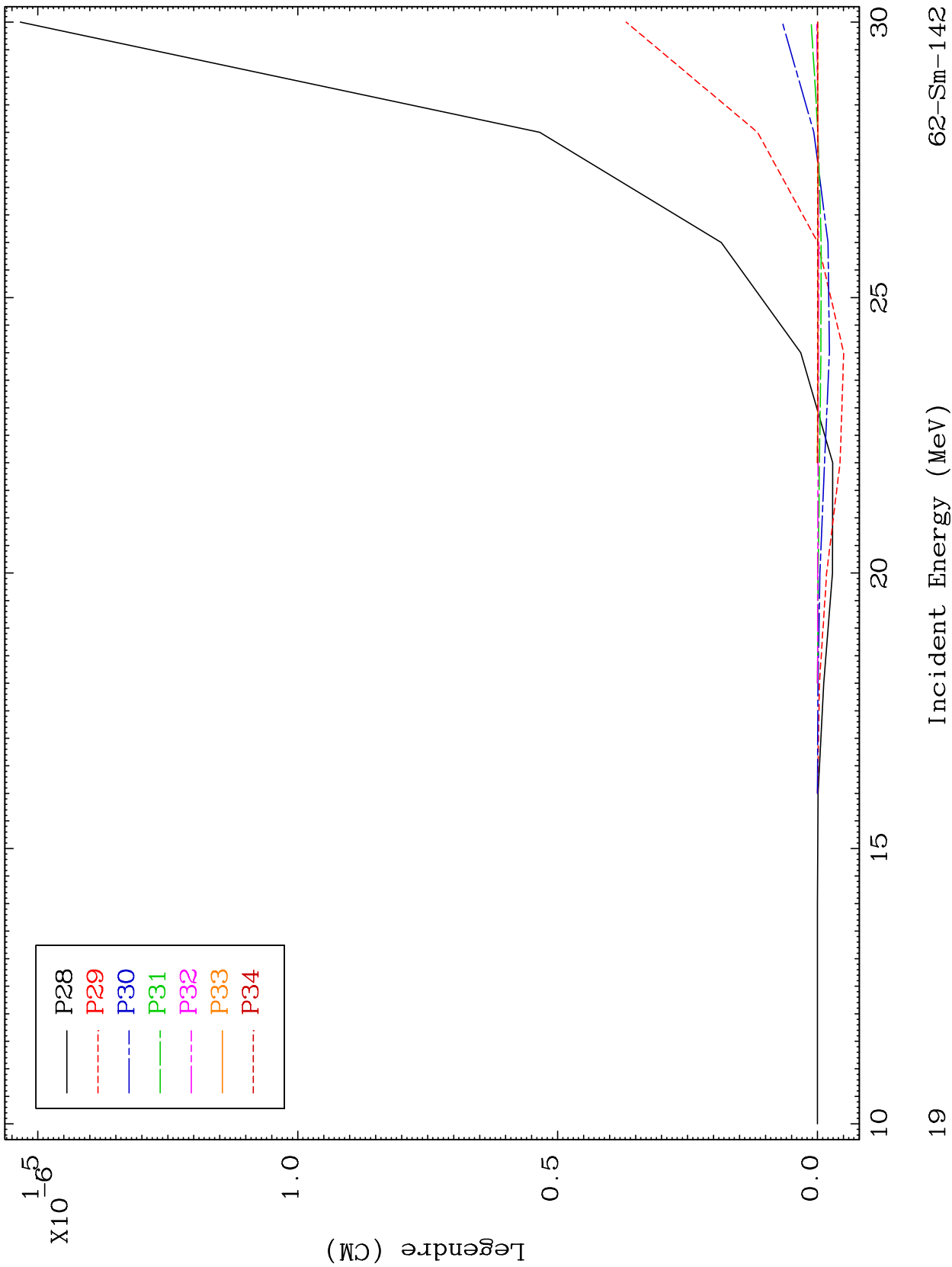
Incident Energy (MeV)

62-Sm-142

MAT 6219

Elastic
Legendre Coefficients

62-Sm-142



19

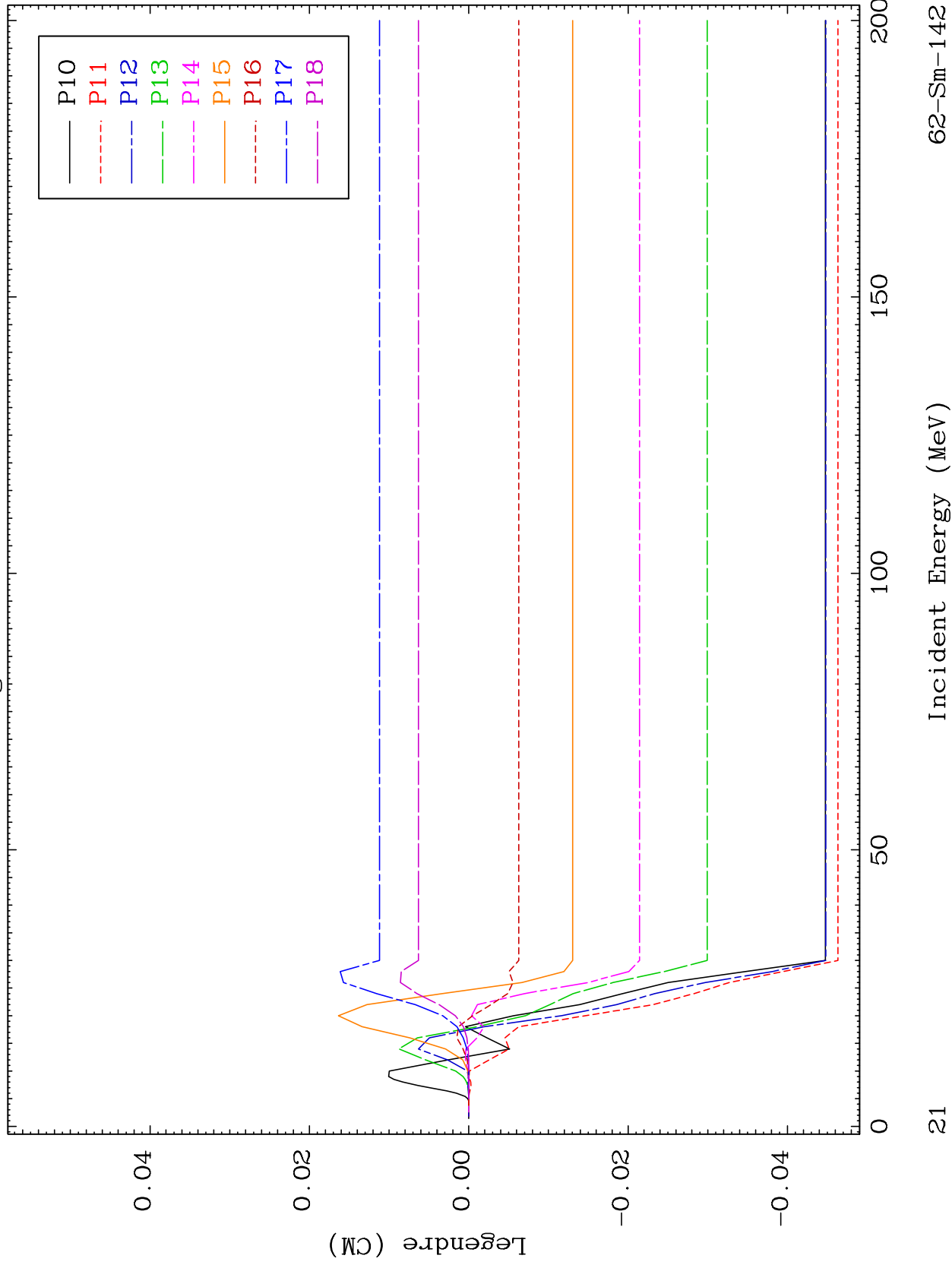
Incident Energy (MeV)

62-Sm-142

MAT 6219

768.1 keV (n,n') Level
Legendre Coefficients

62-Sm-142



21

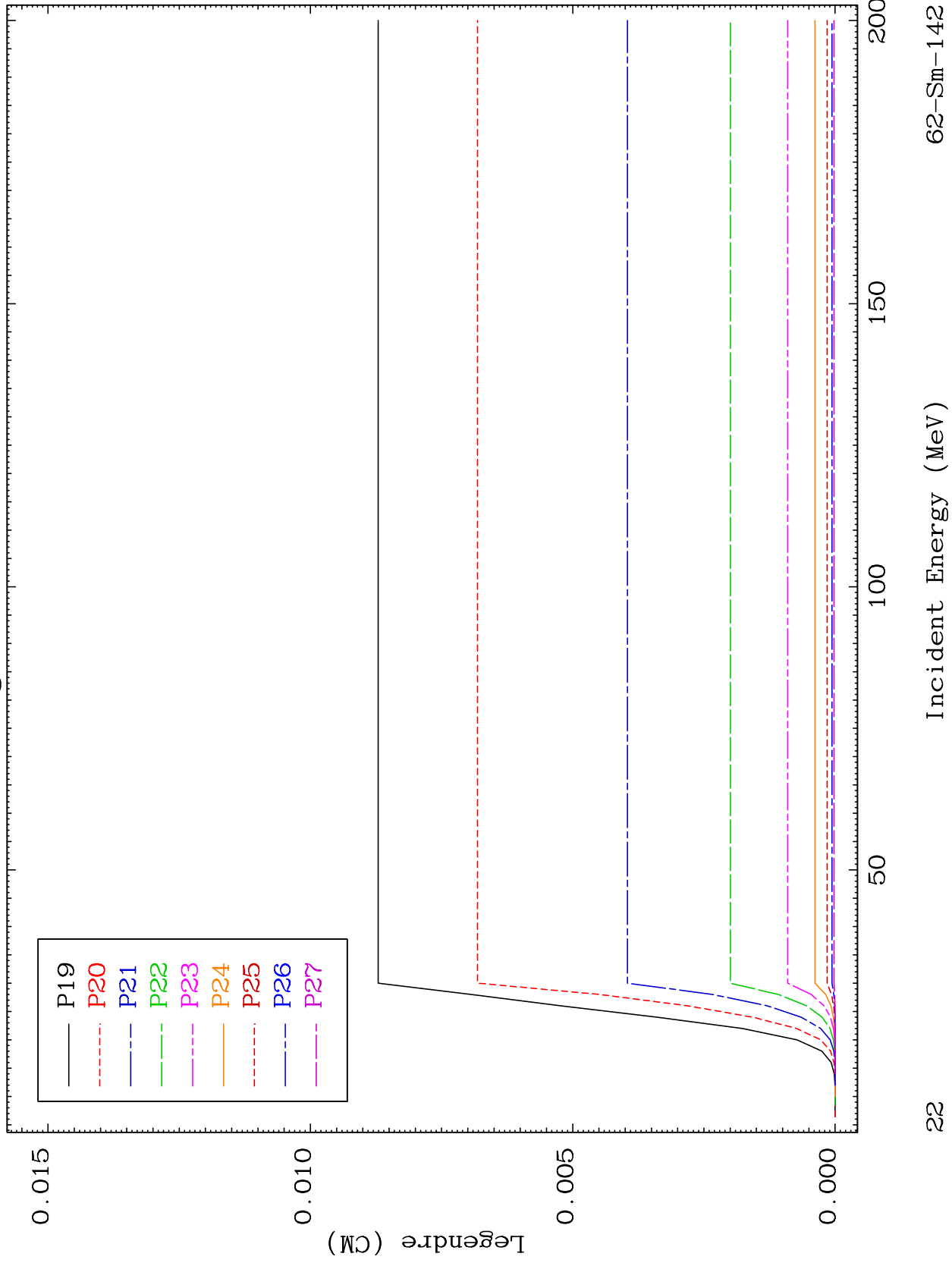
Incident Energy (MeV)

62-Sm-142

MAT 6219

768.1 keV (n,n') Level
Legendre Coefficients

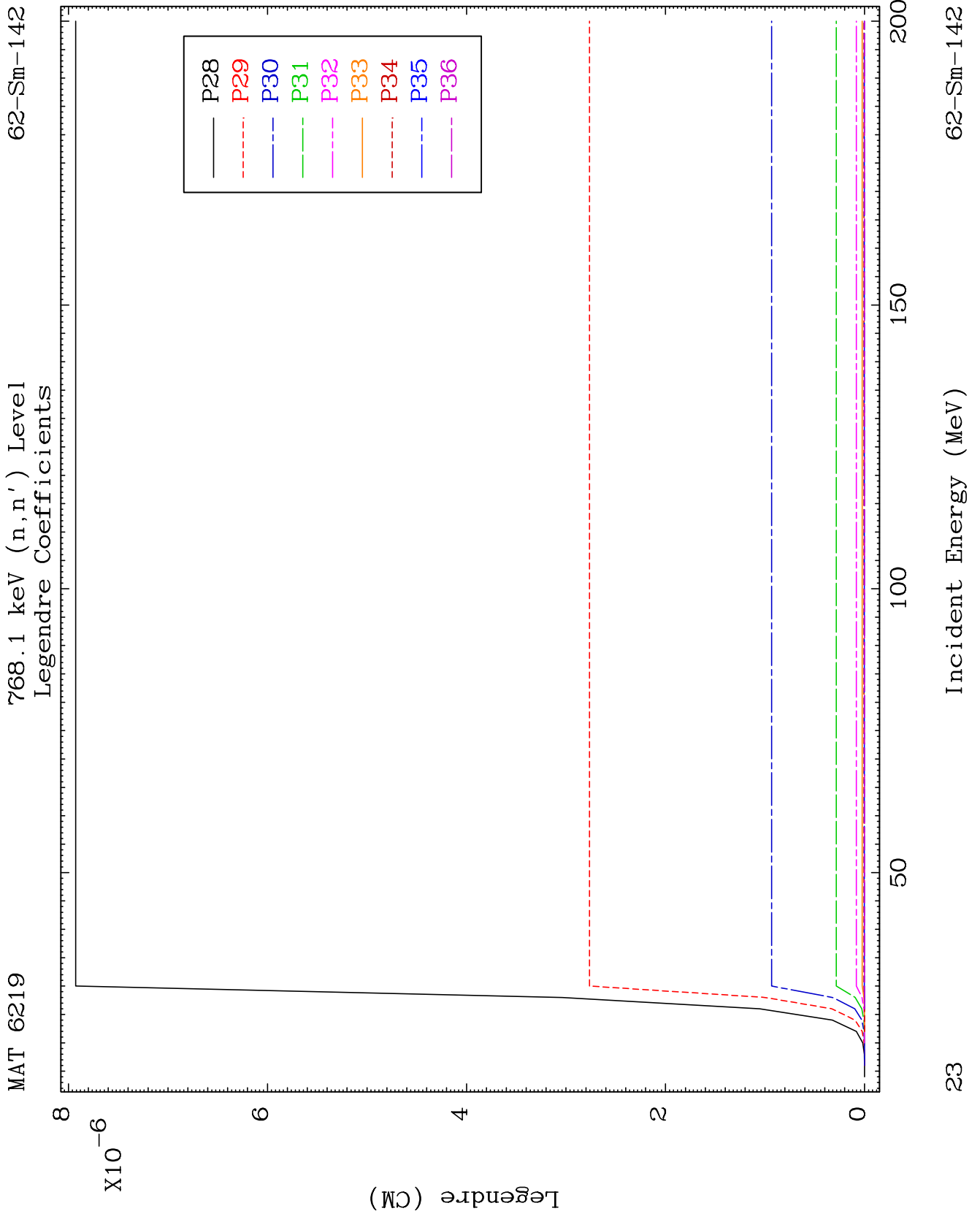
62-Sm-142

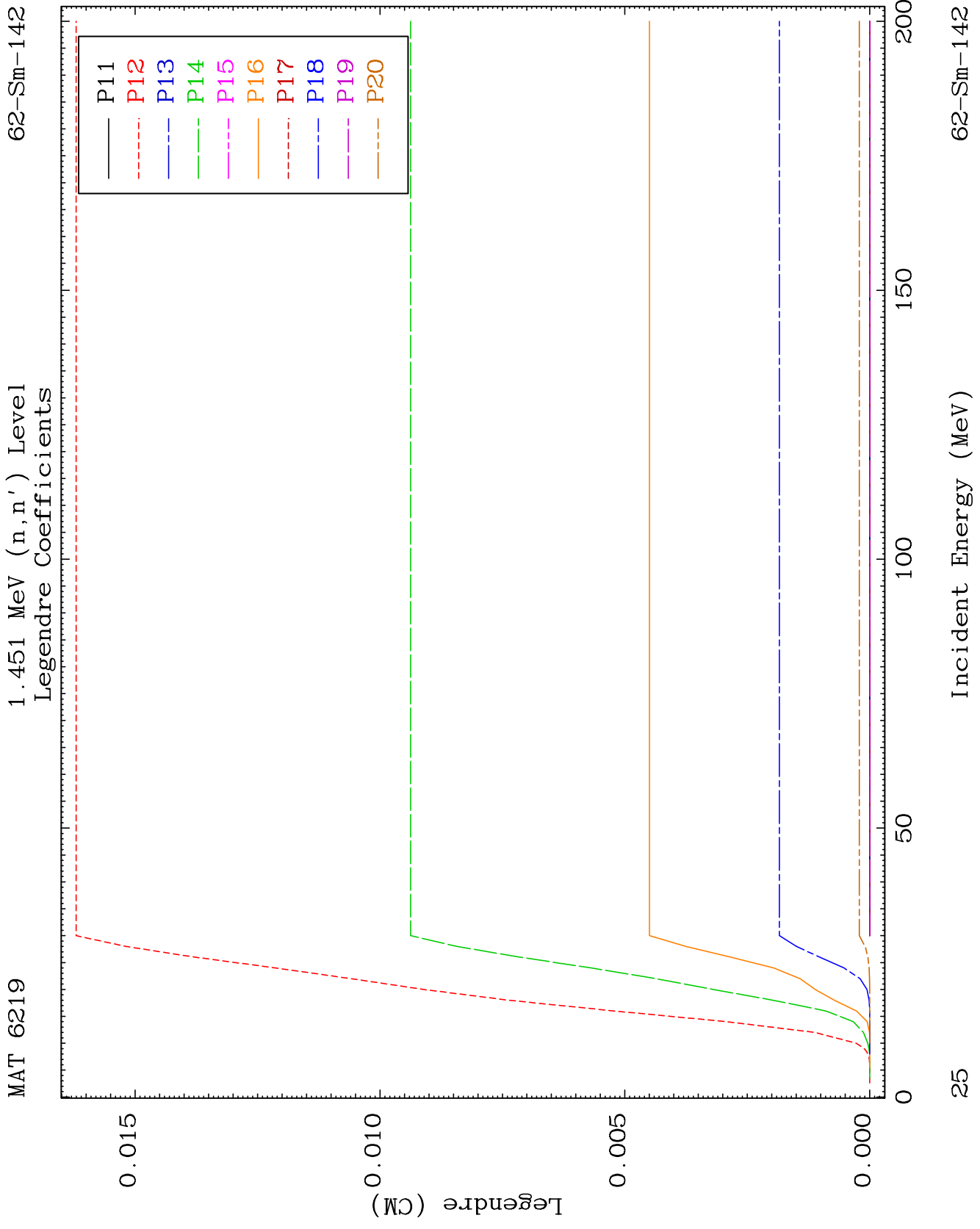


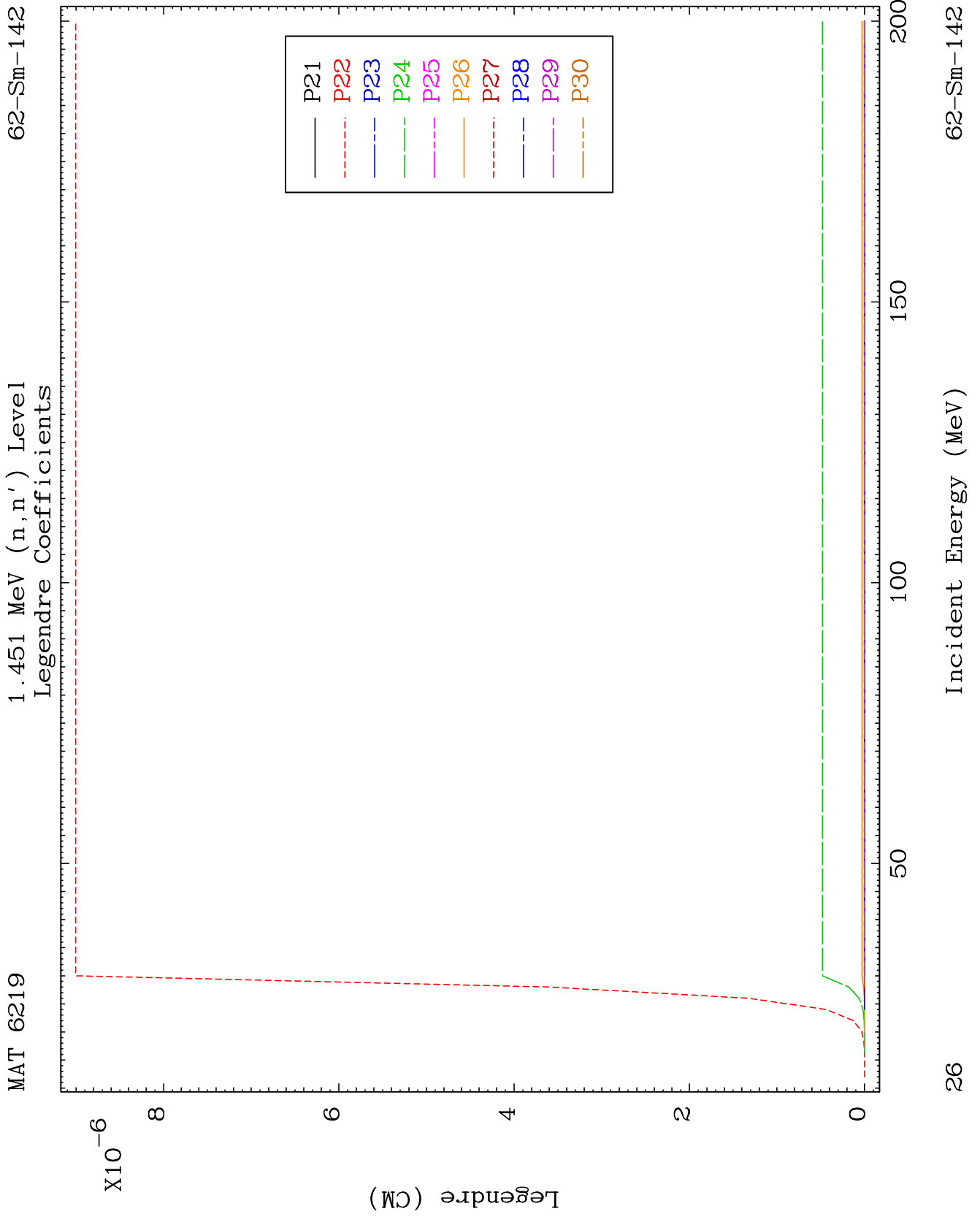
22

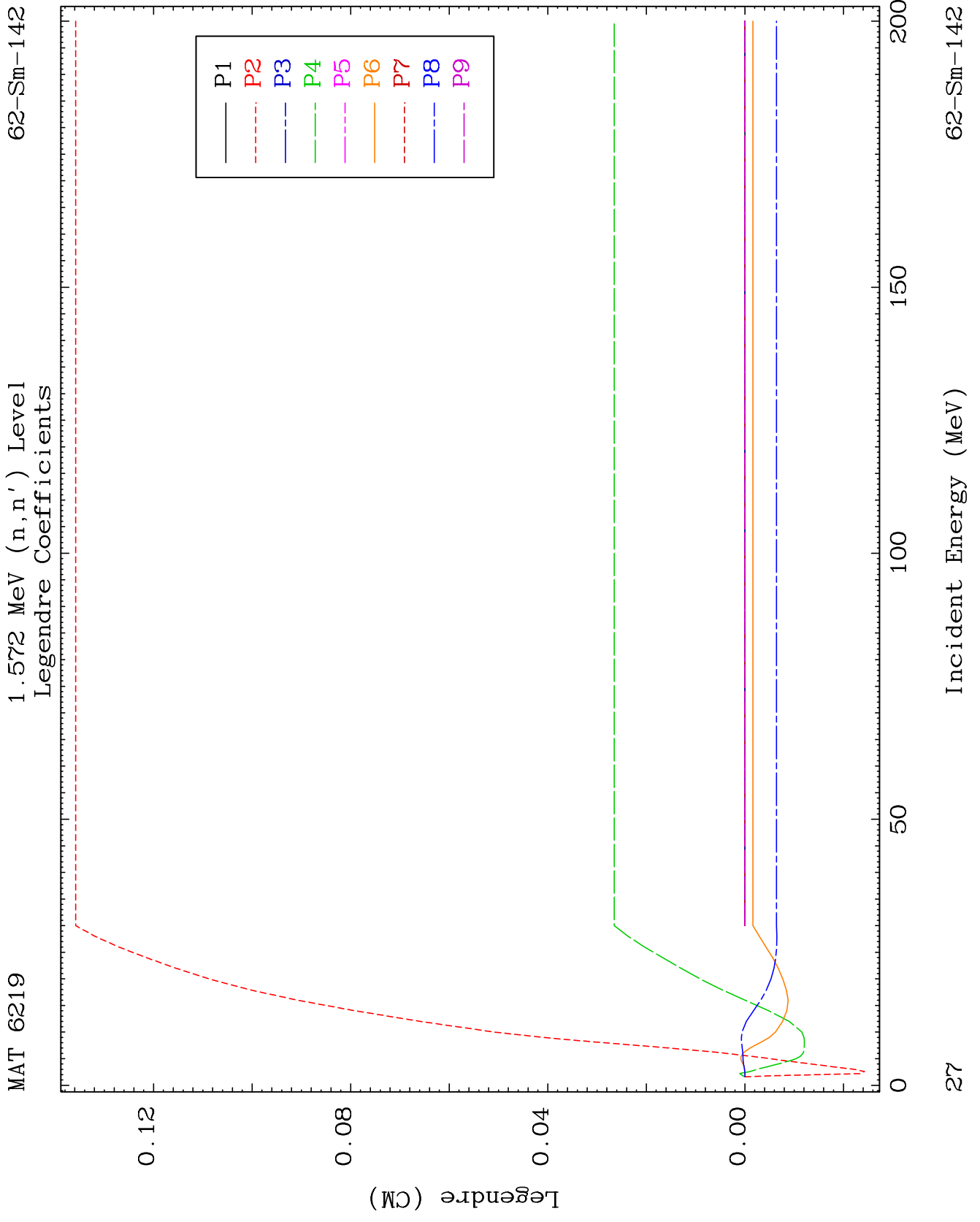
Incident Energy (MeV)

62-Sm-142





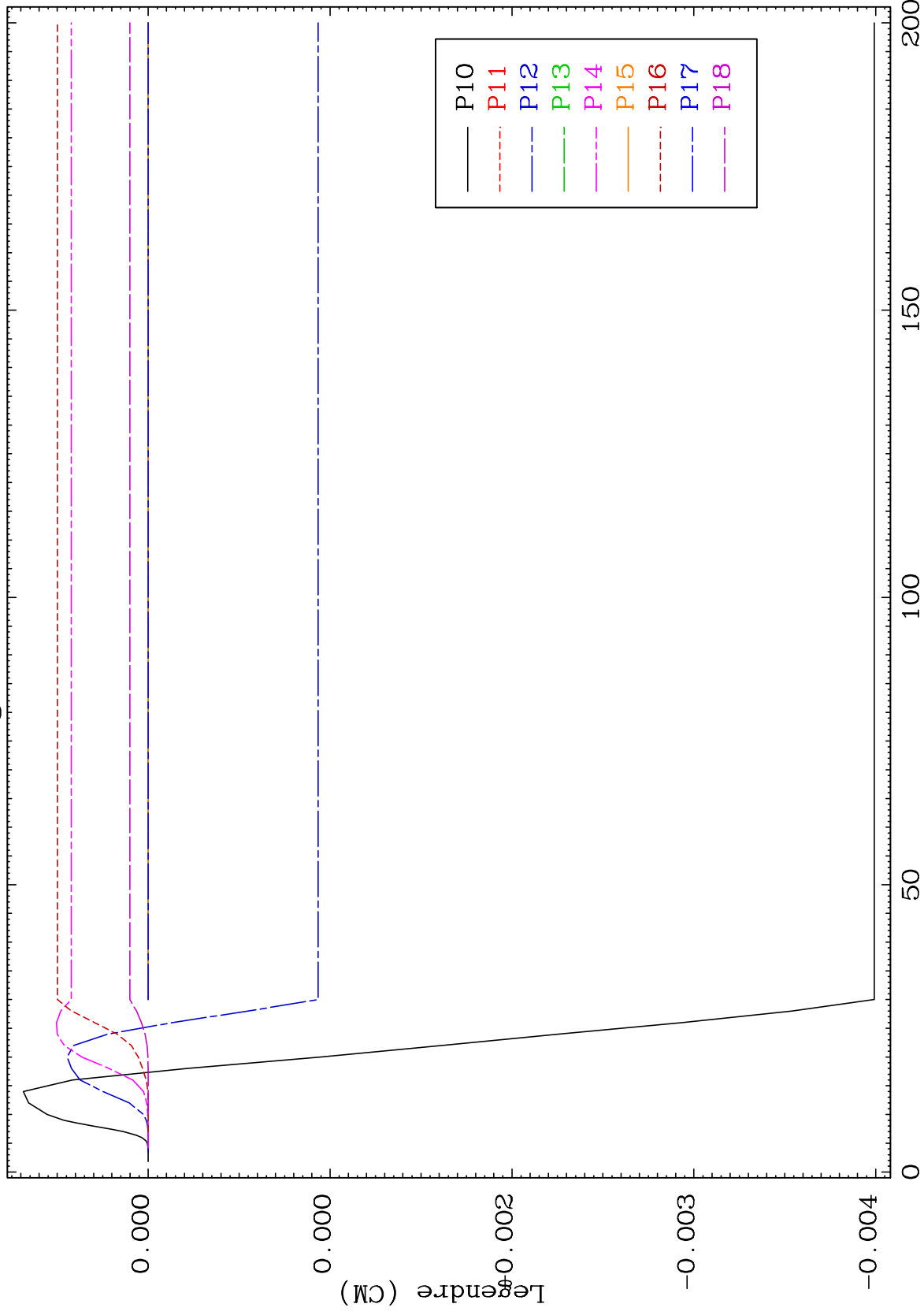




MAT 6219

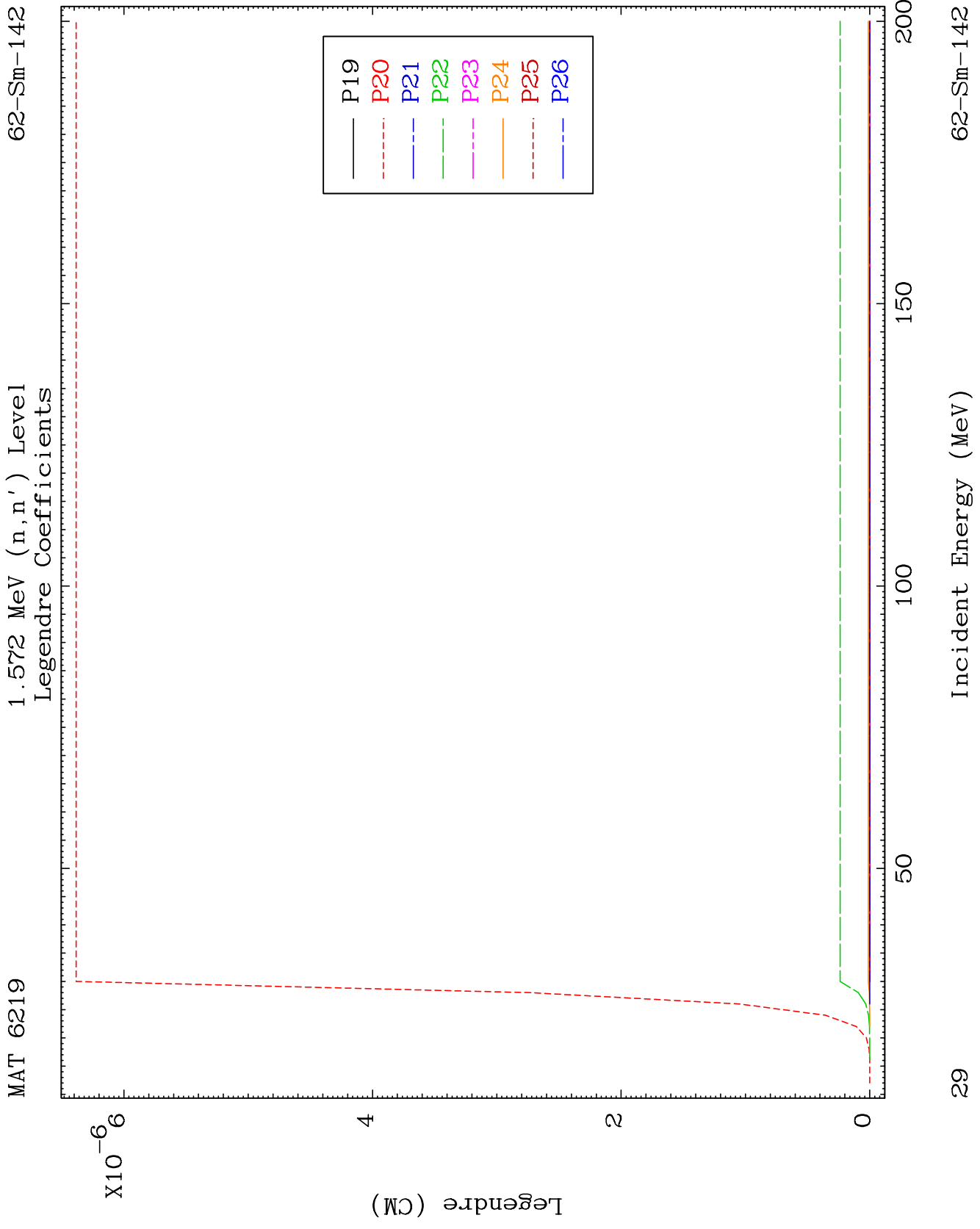
1.572 MeV (n,n') Level
Legendre Coefficients

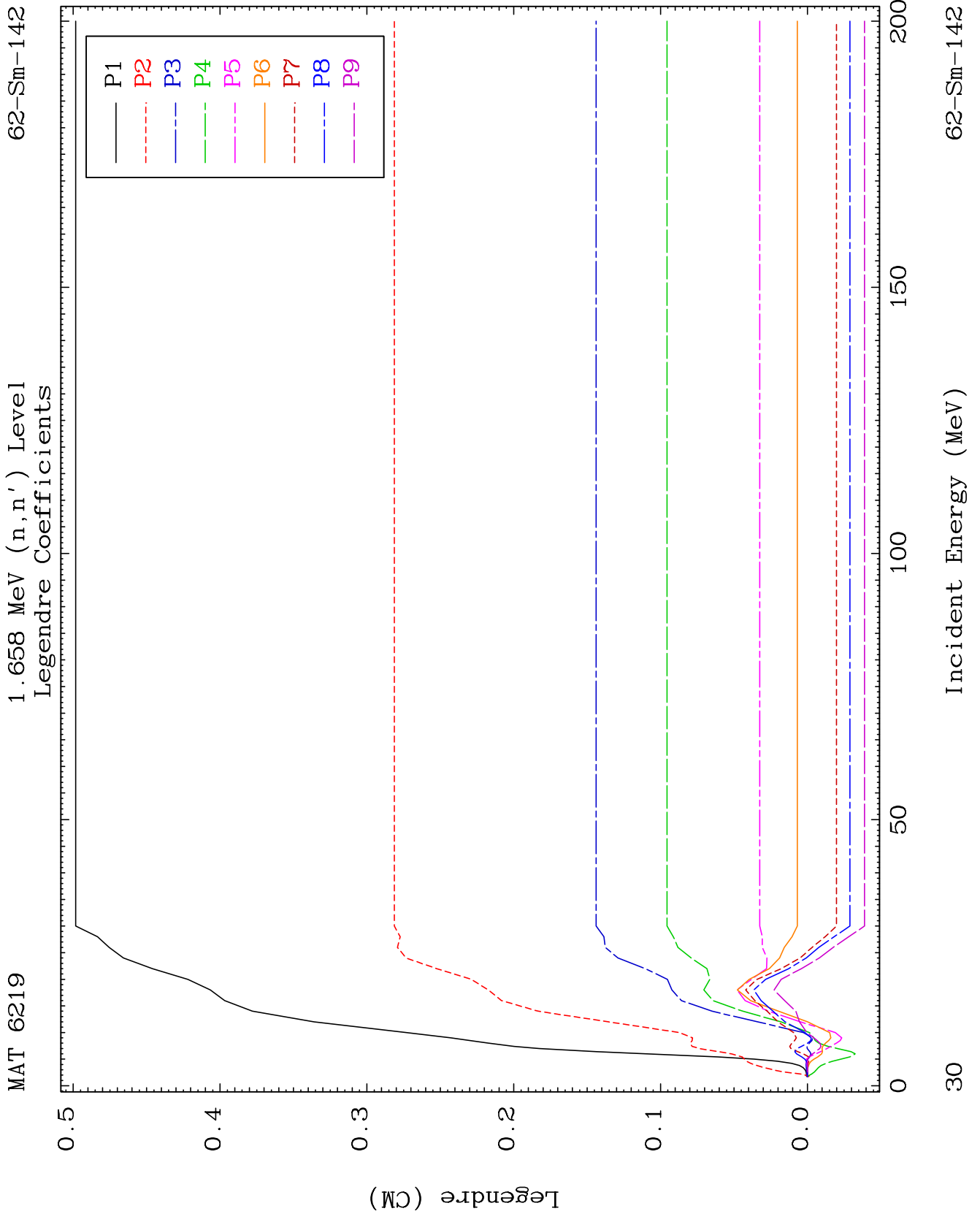
62-Sm-142



28

62-Sm-142

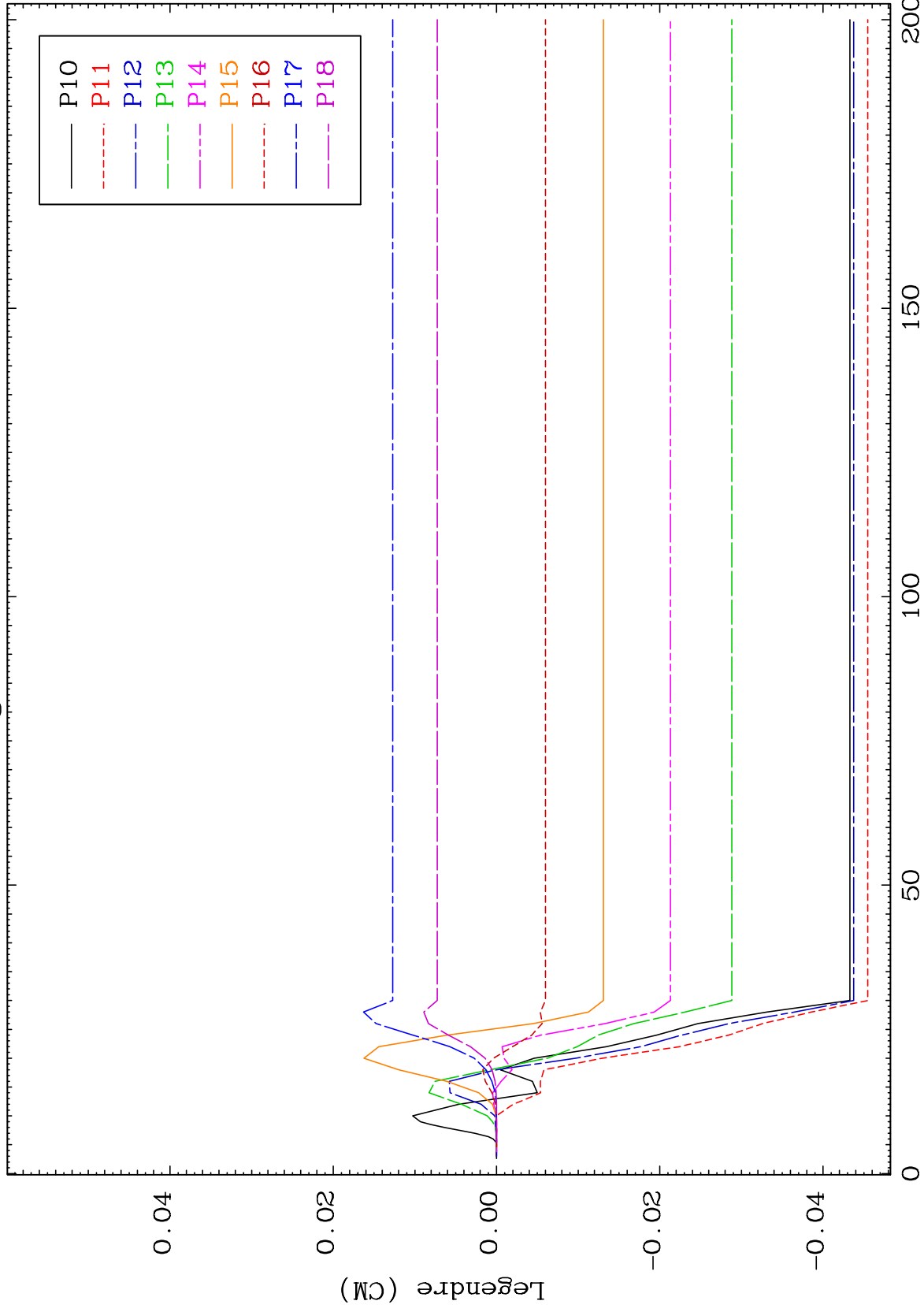




MAT 6219

1.658 MeV (n,n') Level
Legendre Coefficients

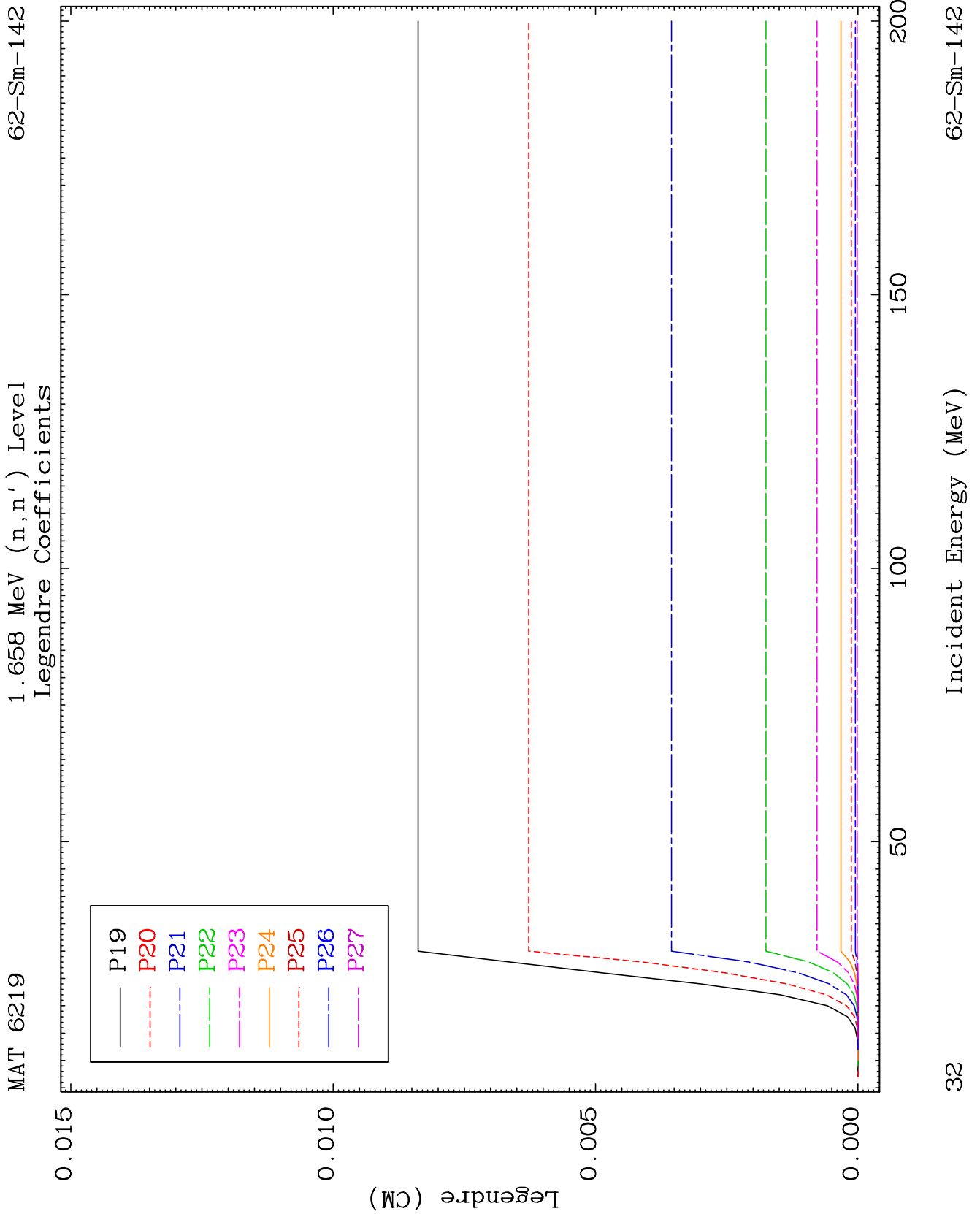
62-Sm-142

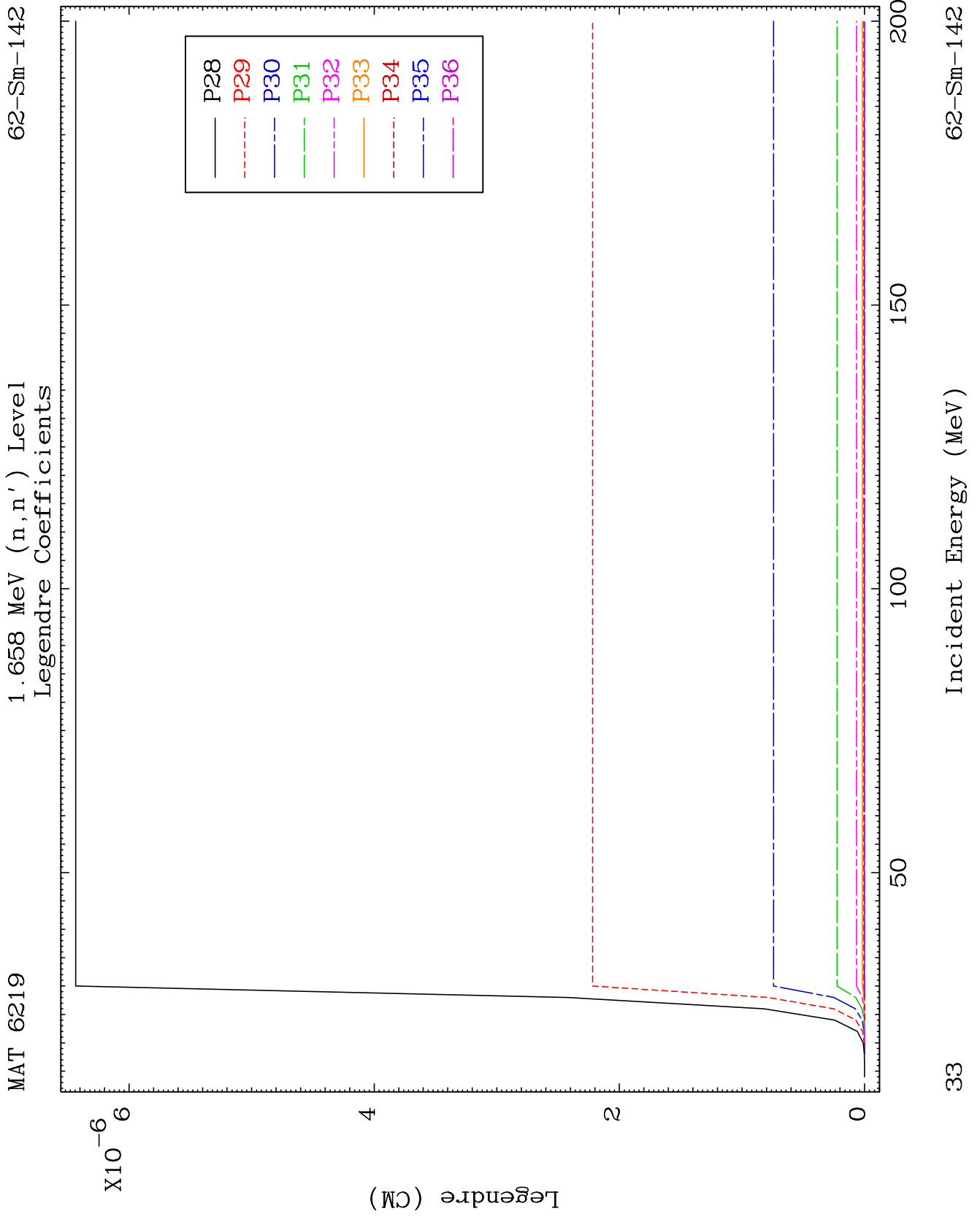


31

Incident Energy (MeV)

62-Sm-142

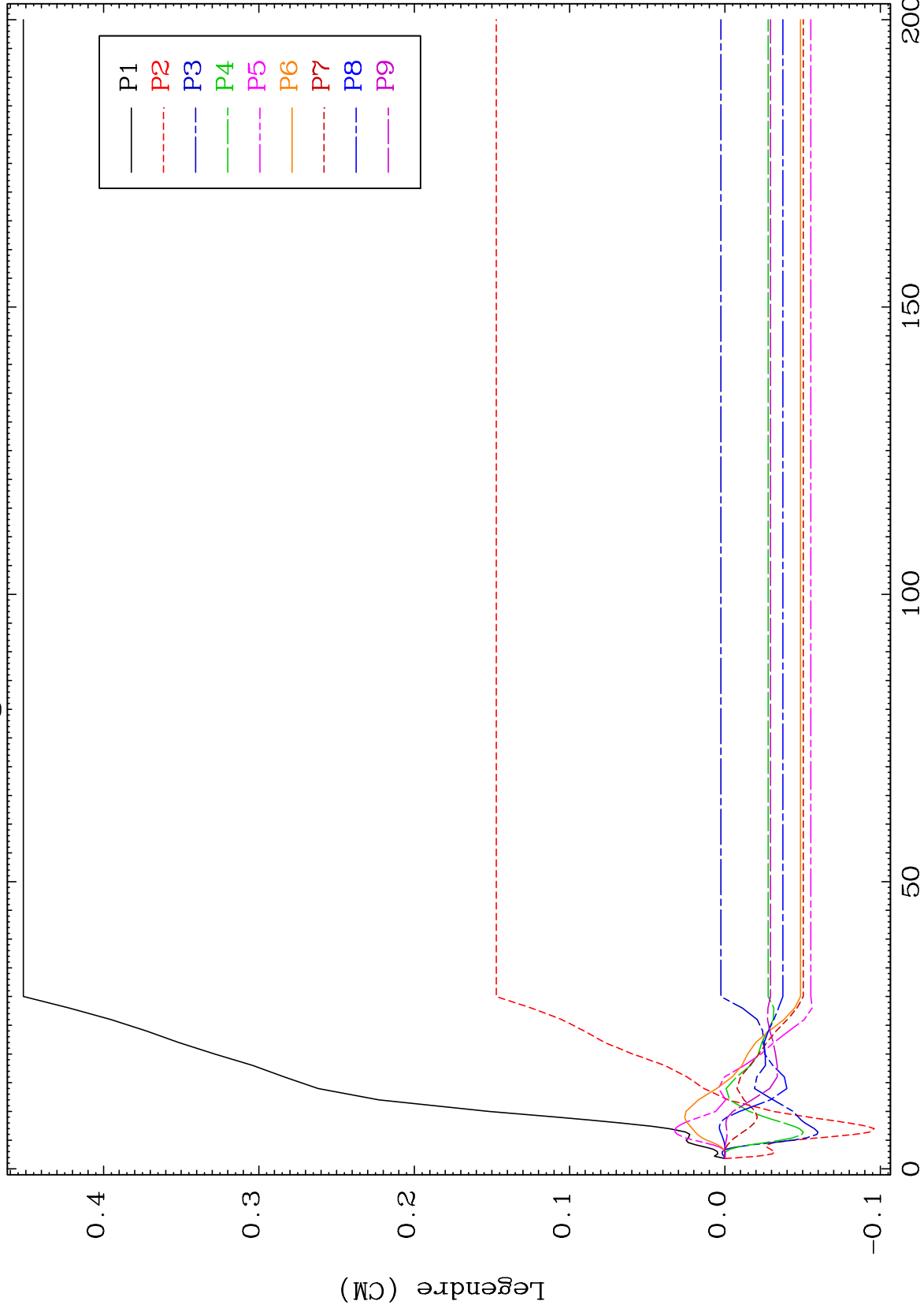




MAT 6219

1.784 MeV (n,n') Level
Legendre Coefficients

62-Sm-142



34

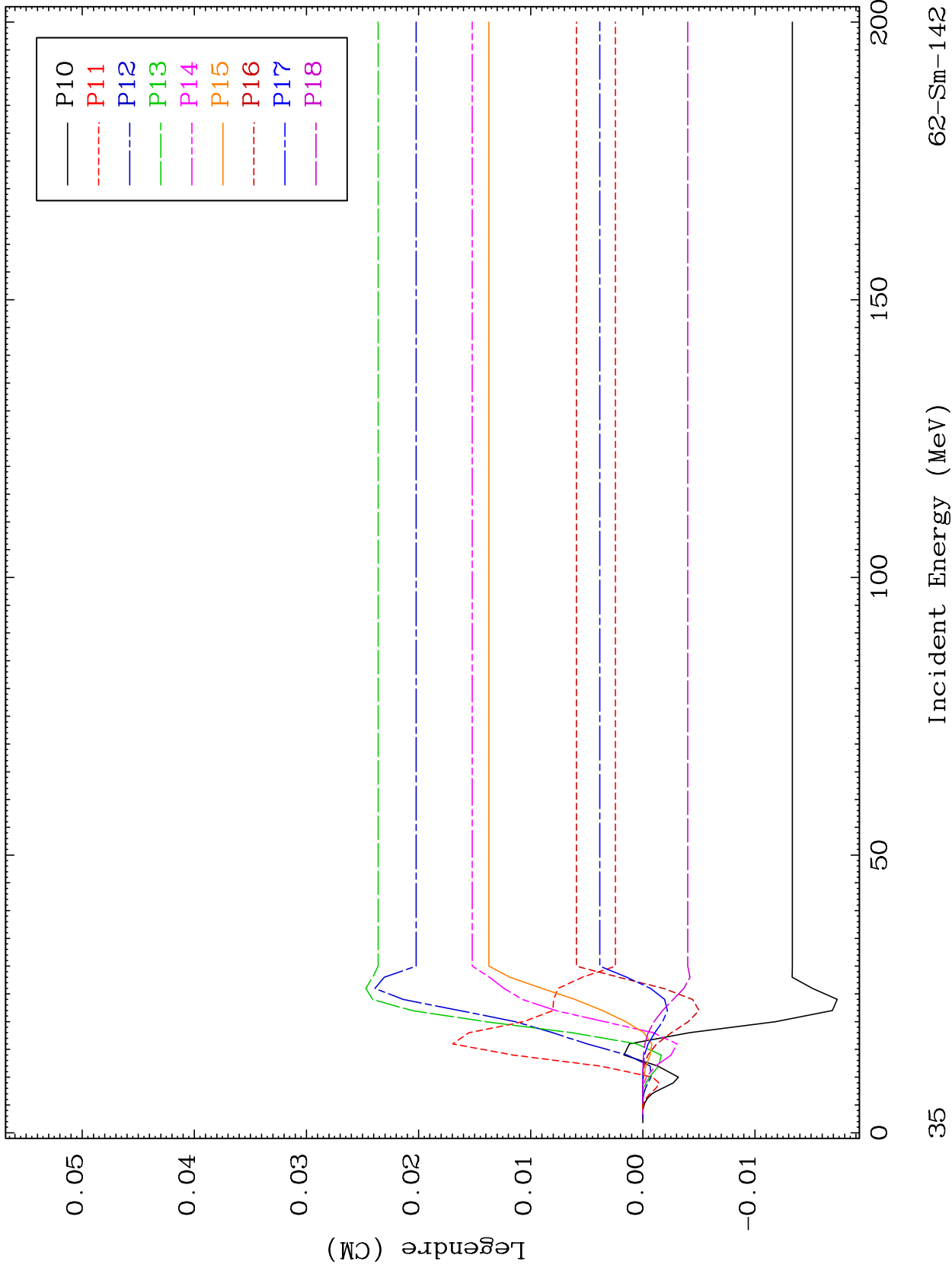
62-Sm-142

62-Sm-142

MAT 6219

1.784 MeV (n,n') Level
Legendre Coefficients

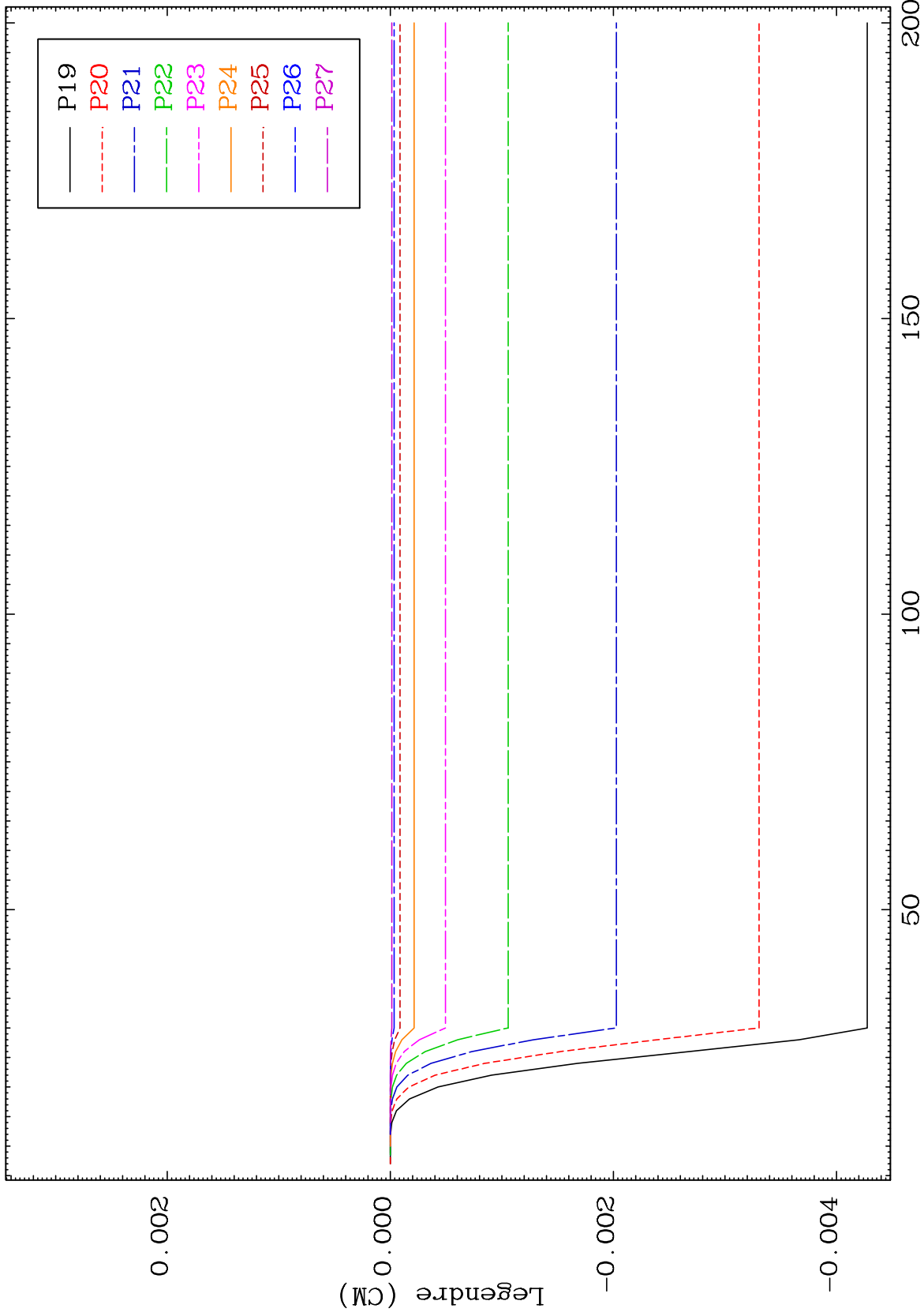
62-Sm-142

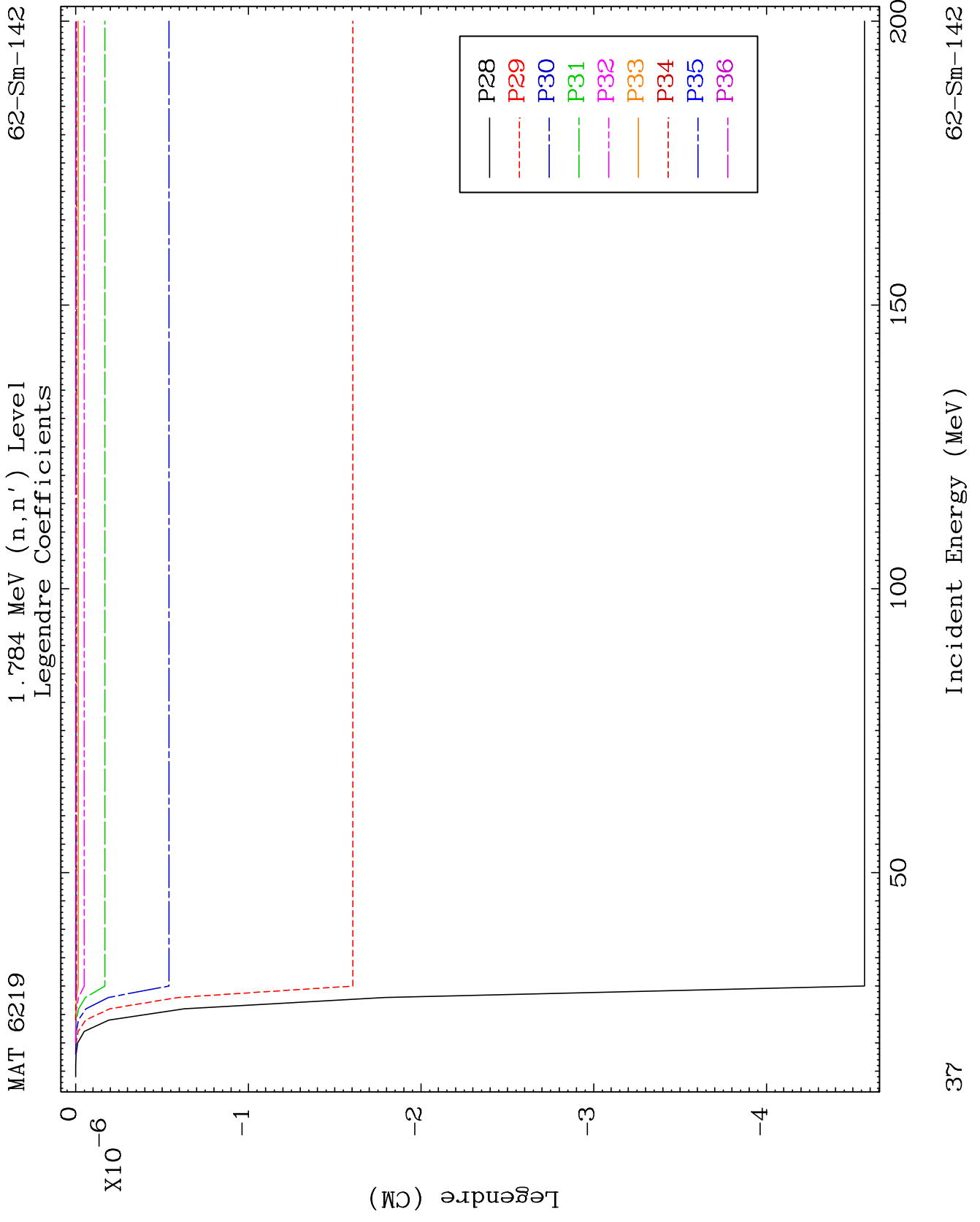


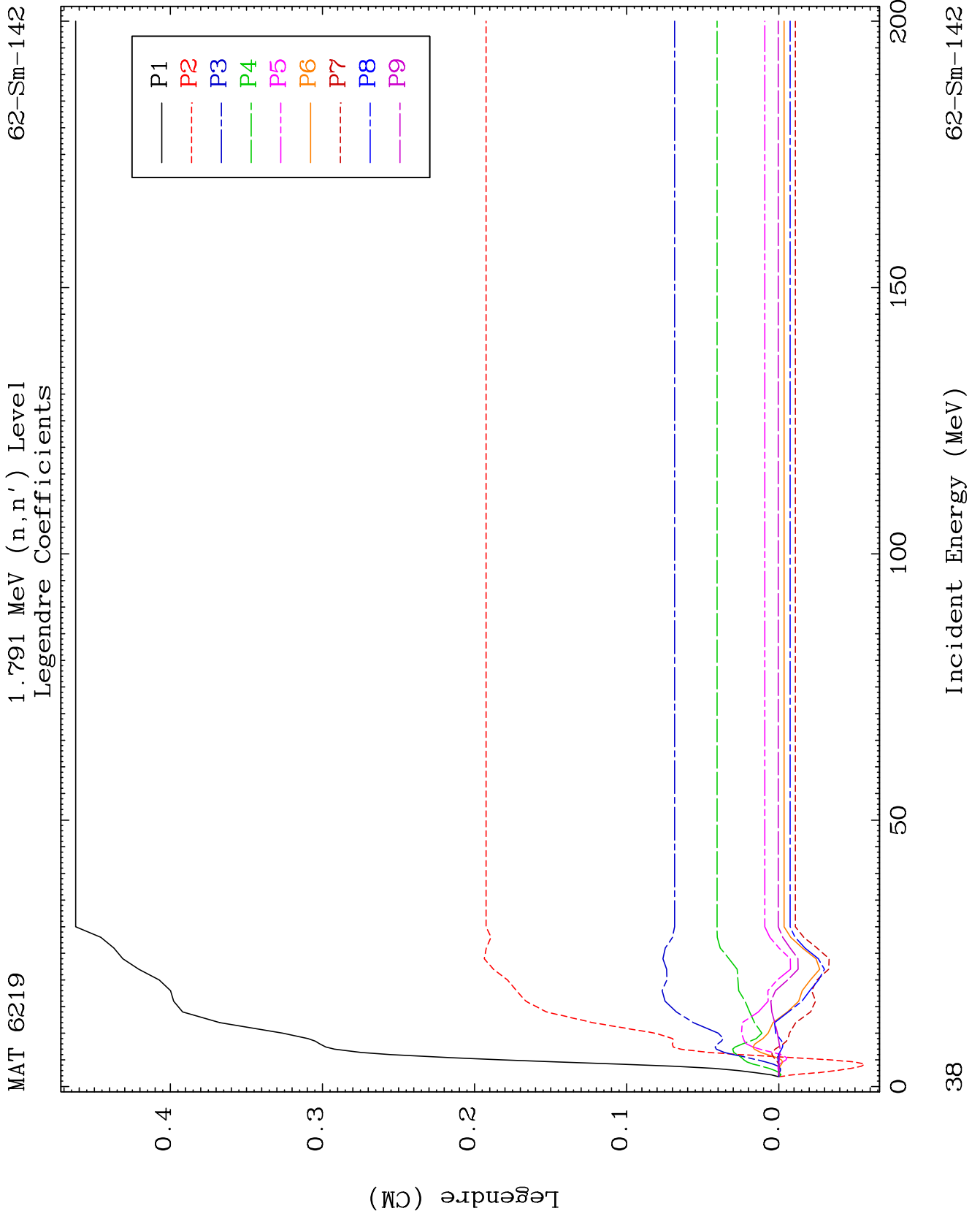
62-Sm-142

Incident Energy (MeV)

35



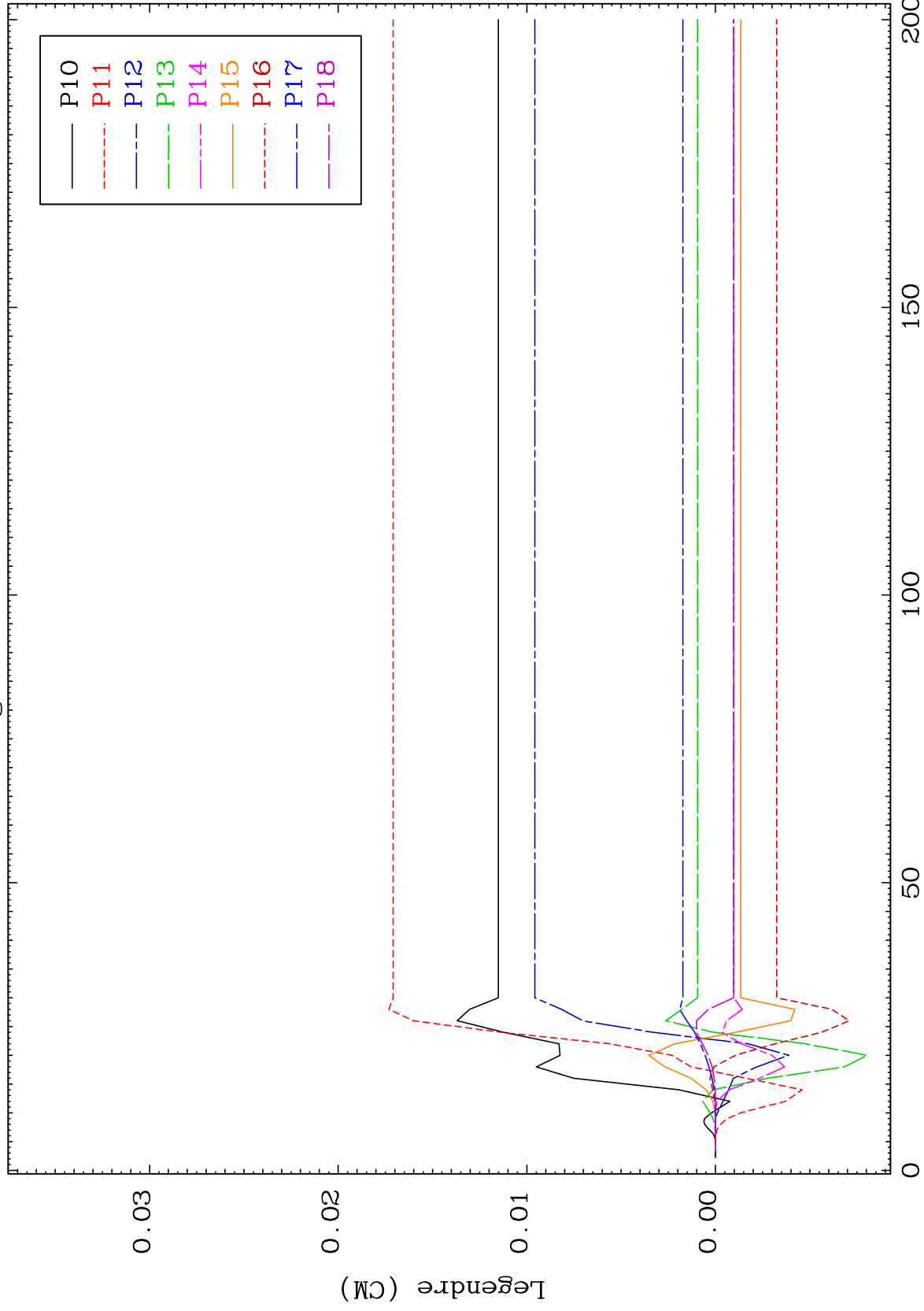




MAT 6219

1.791 MeV (n,n') Level
Legendre Coefficients

62-Sm-142



39

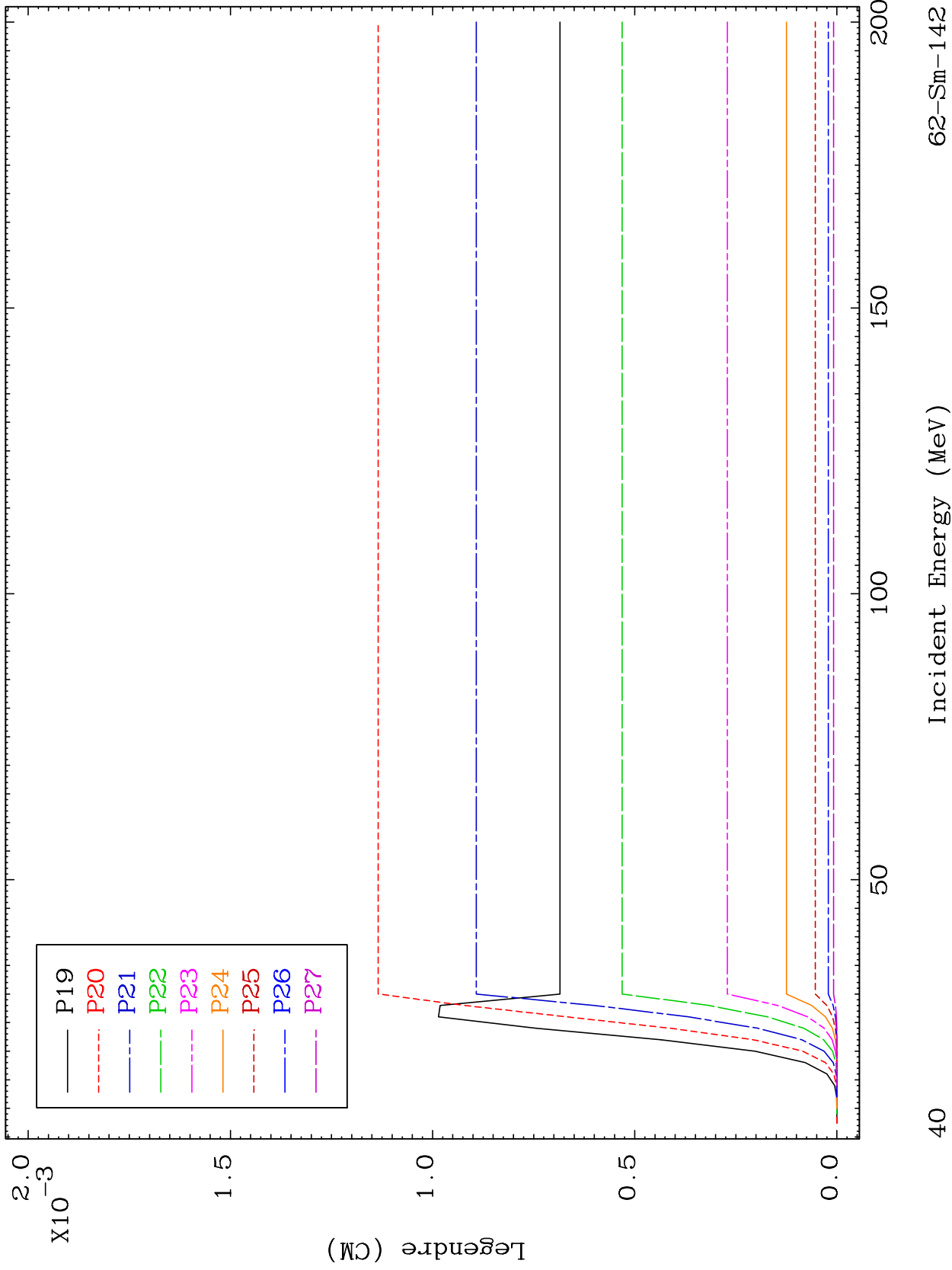
Incident Energy (MeV)

62-Sm-142

MAT 6219

1.791 MeV (n, n') Level
Legendre Coefficients

62-Sm-142



40

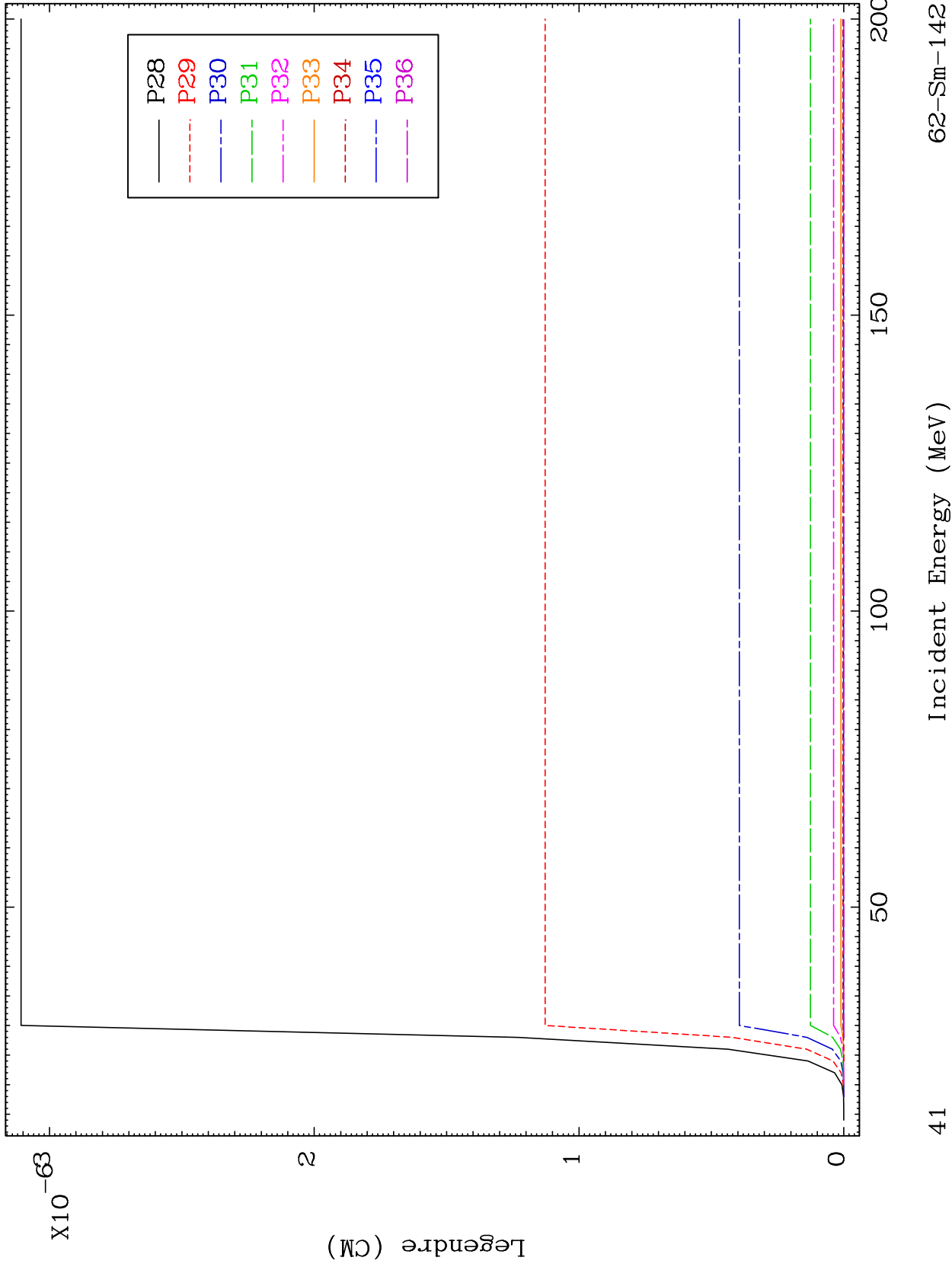
Incident Energy (MeV)

62-Sm-142

MAT 6219

1.791 MeV (n,n') Level
Legendre Coefficients

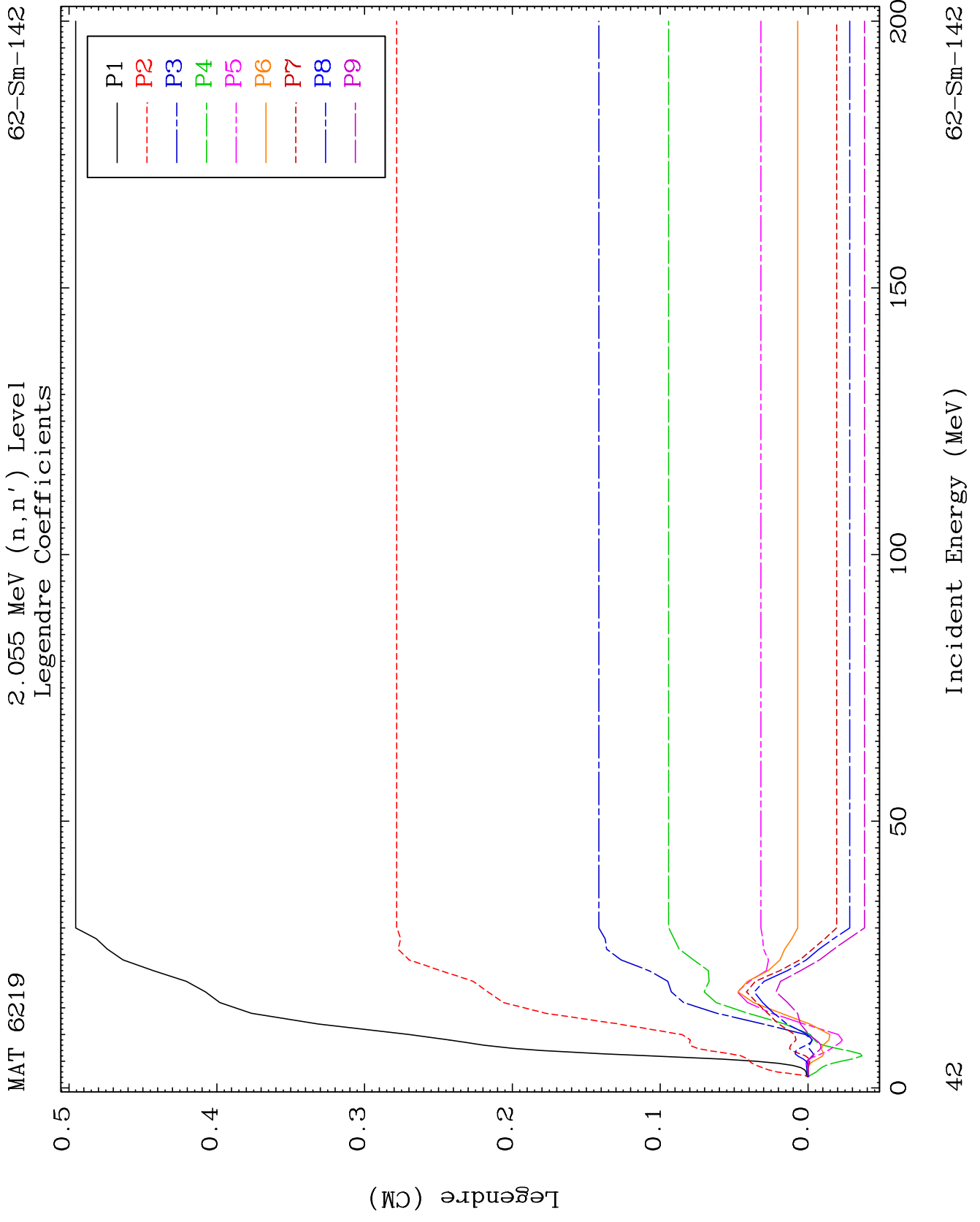
62-Sm-142



41

Incident Energy (MeV)

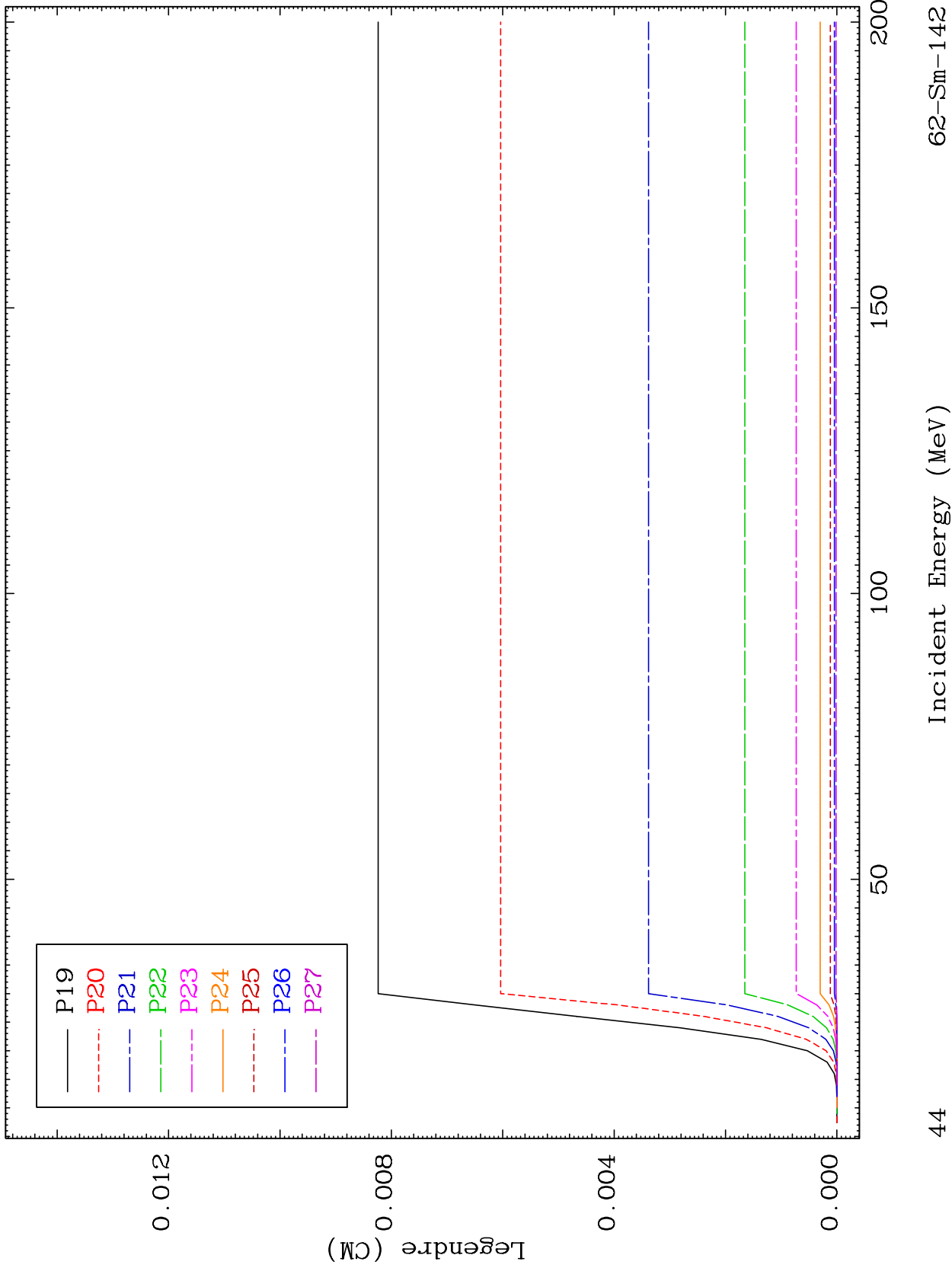
62-Sm-142



MAT 6219

2.055 MeV (n,n') Level
Legendre Coefficients

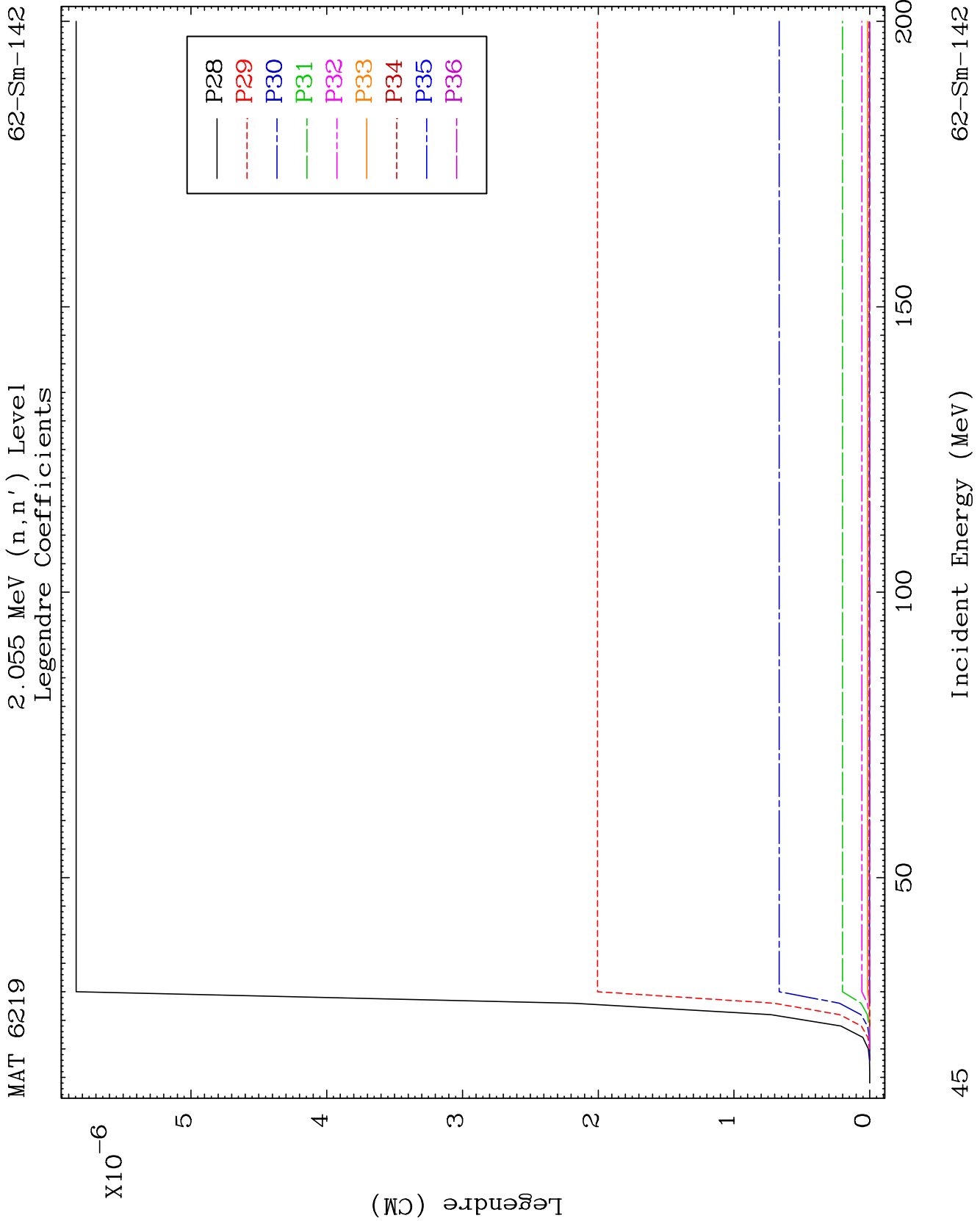
62-Sm-142

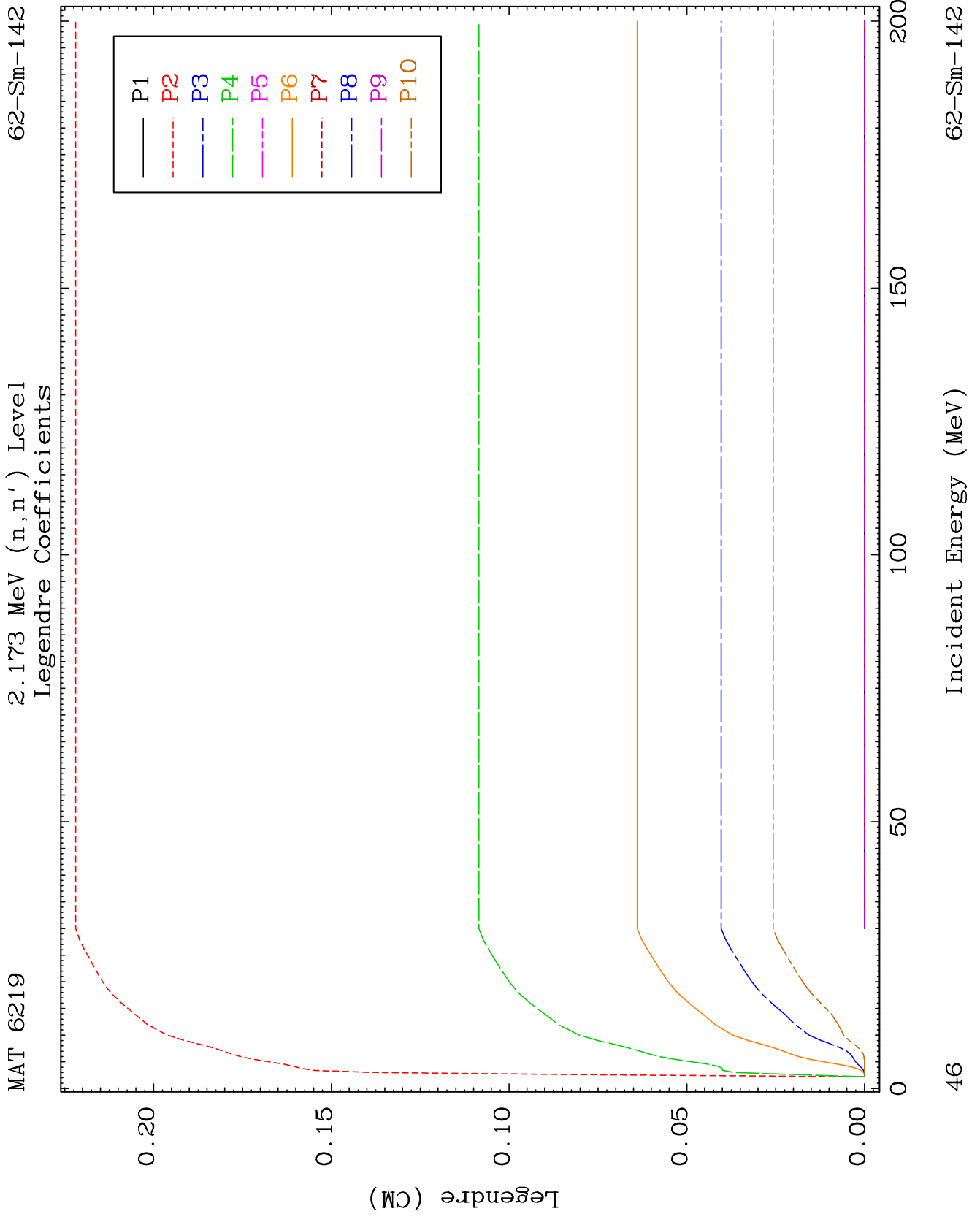


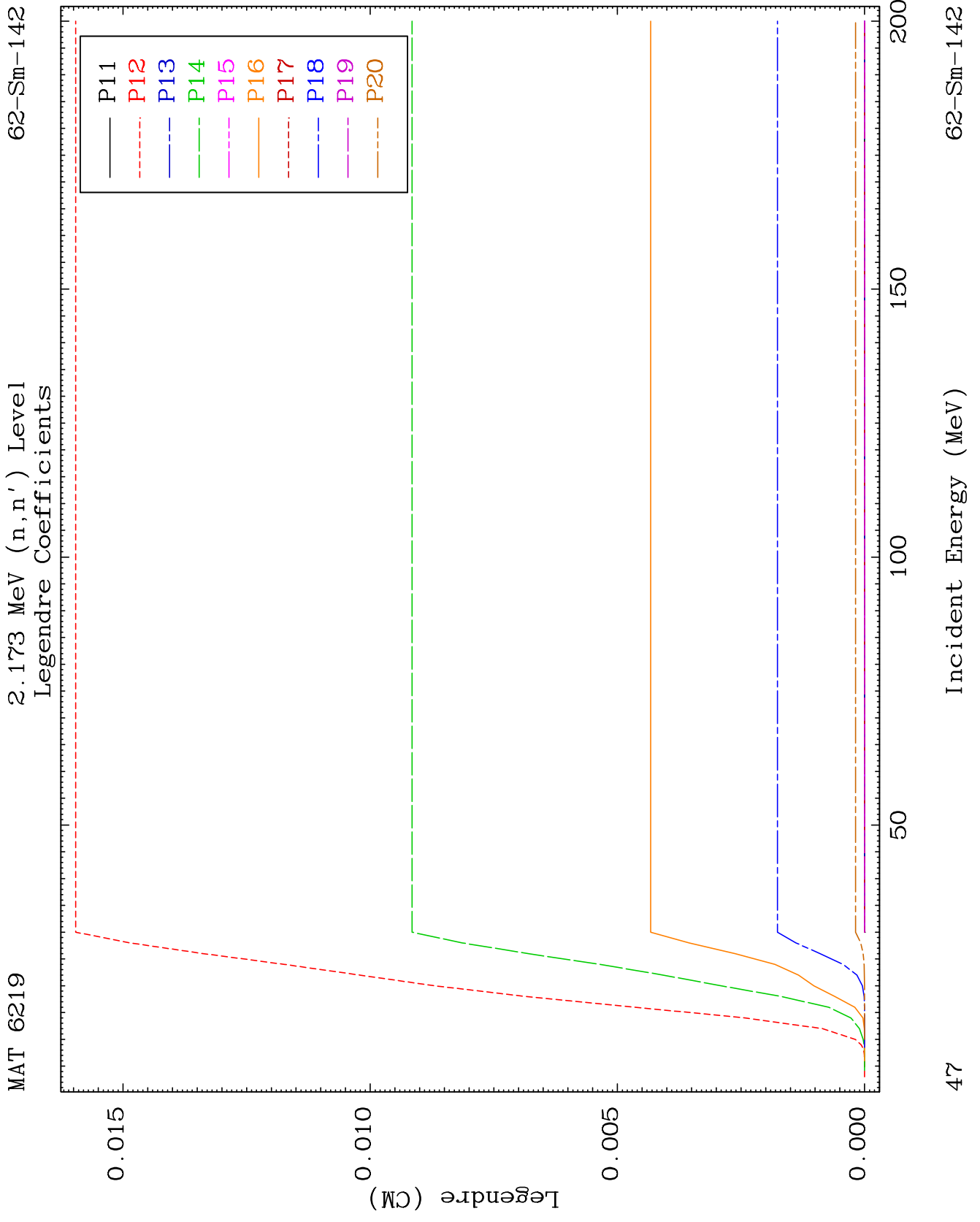
44

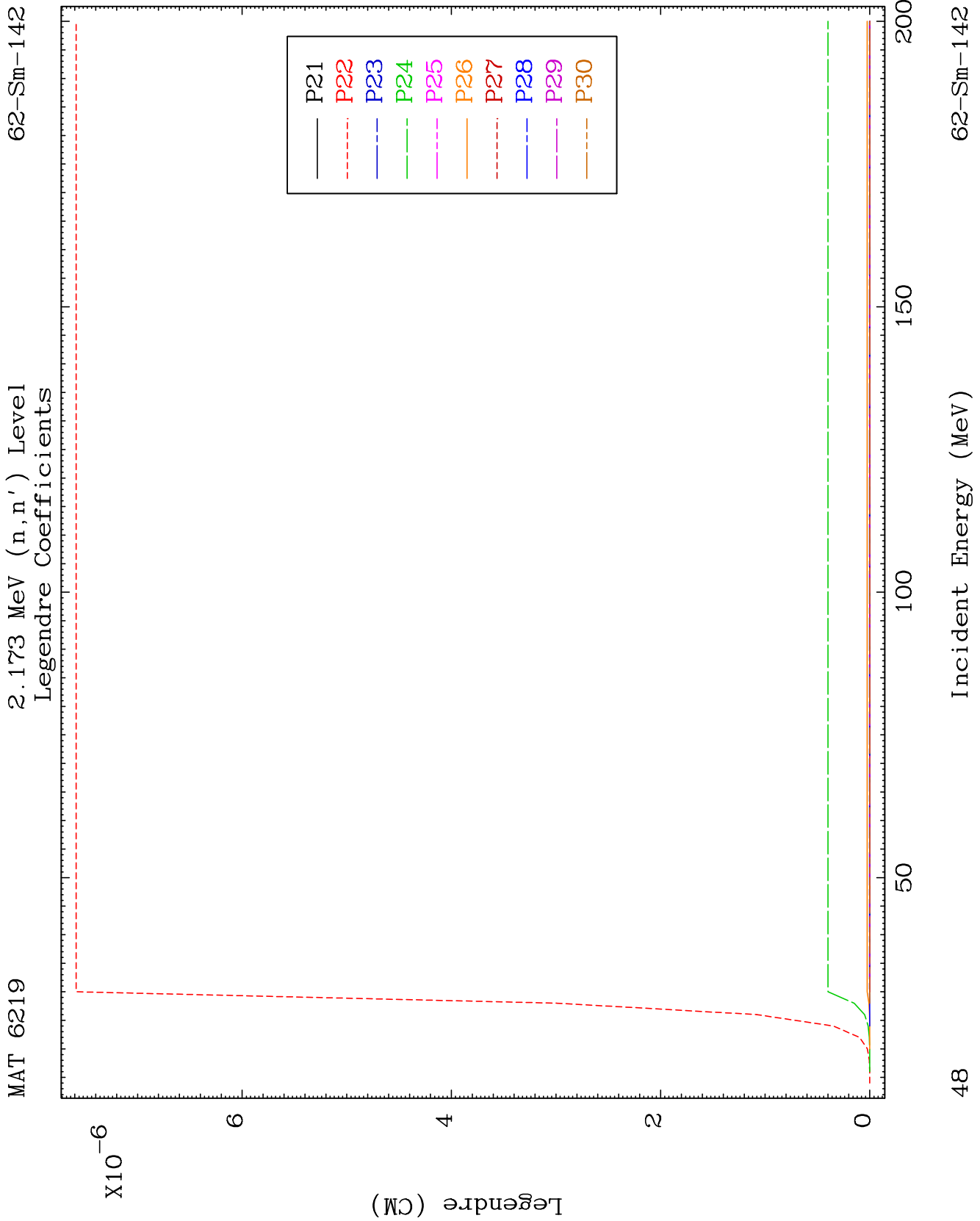
Incident Energy (MeV)

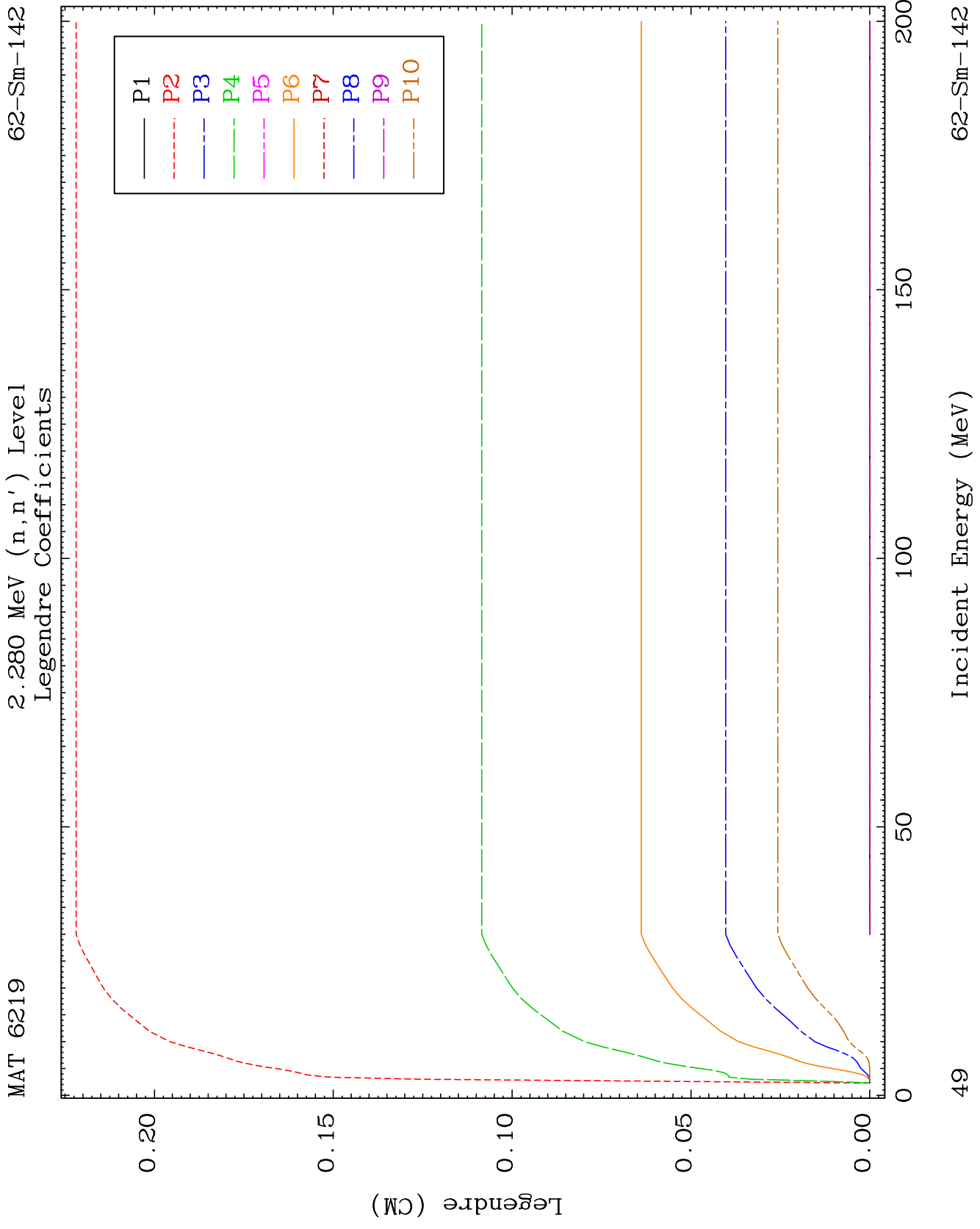
62-Sm-142

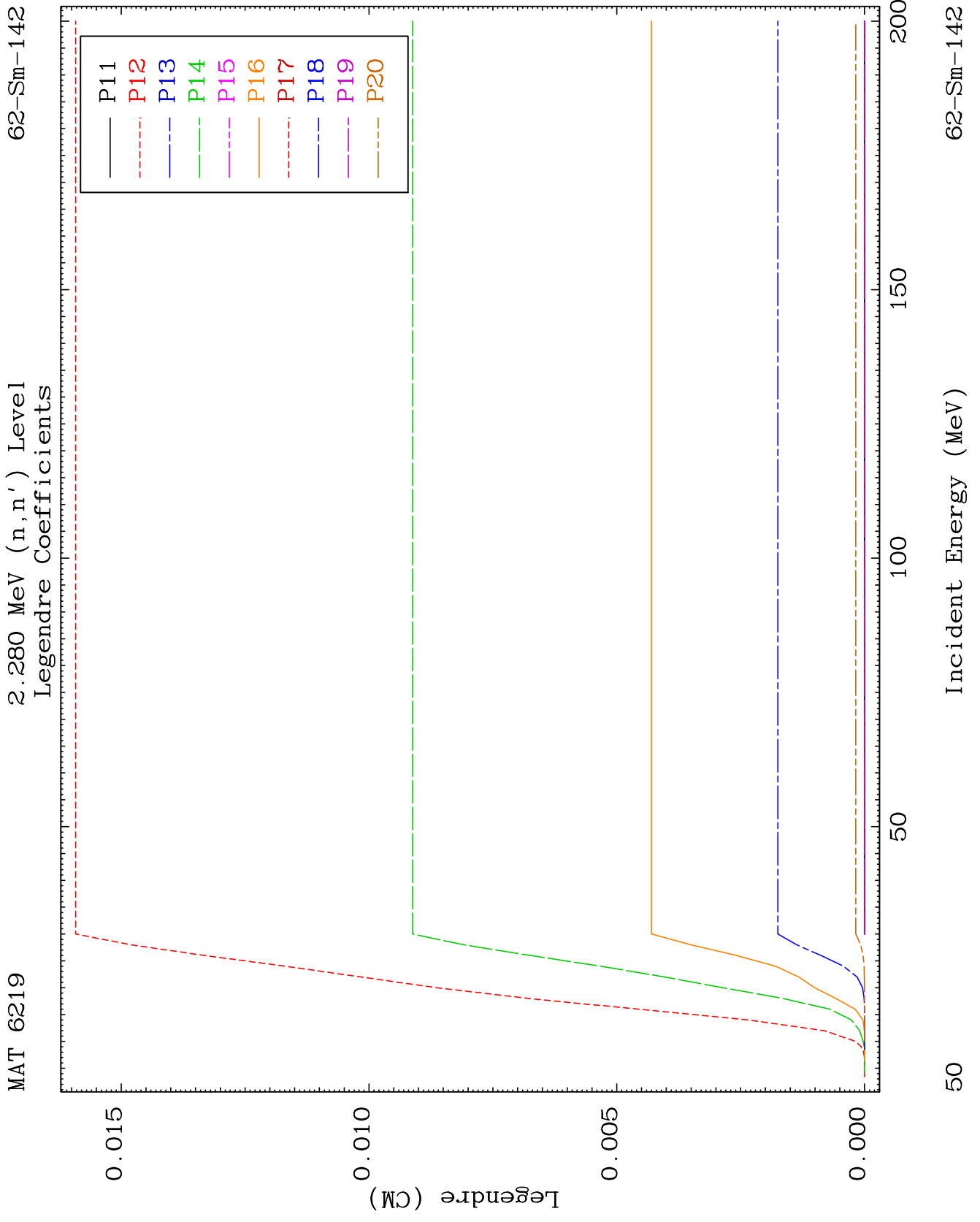


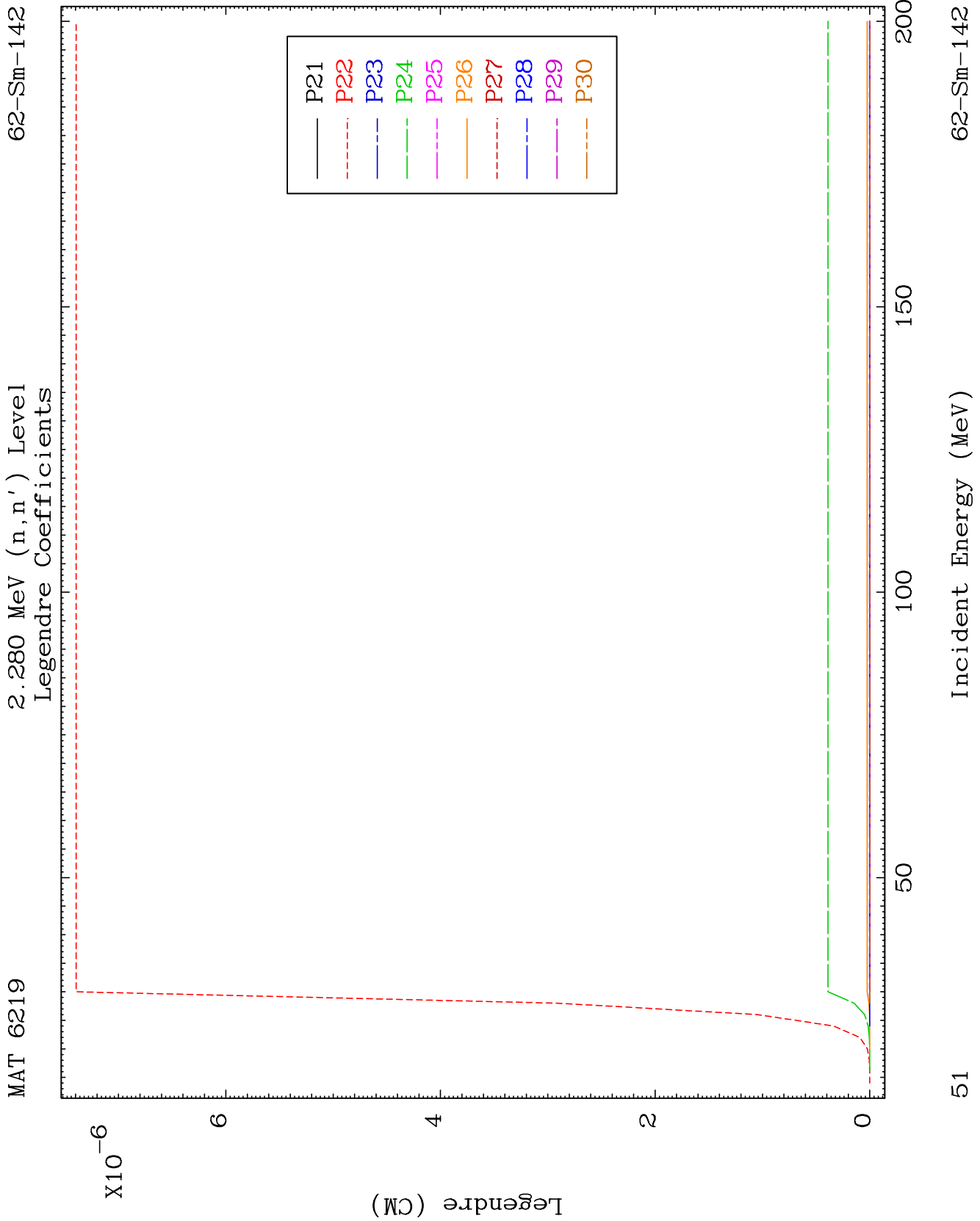








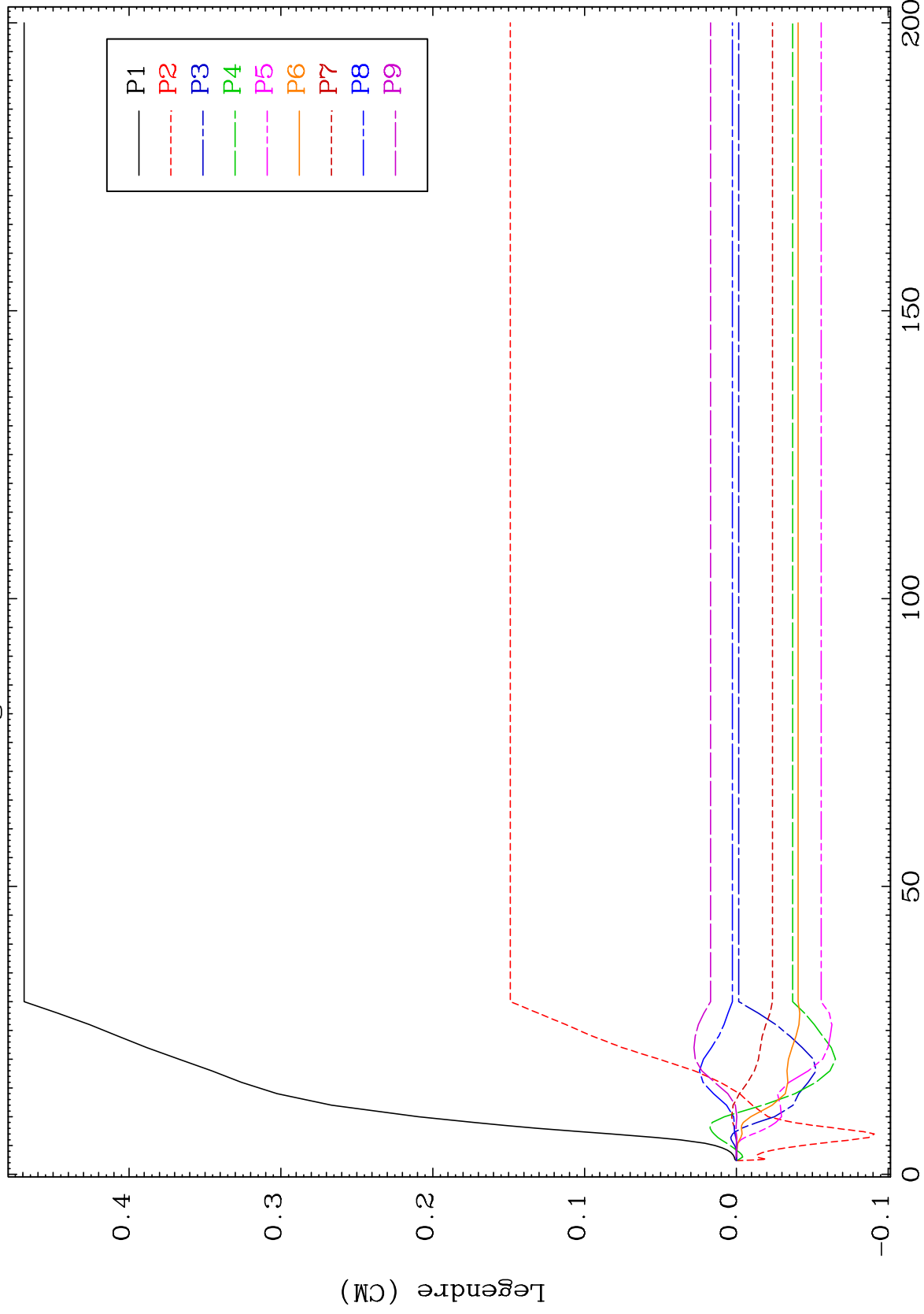




MAT 6219

2.348 MeV (n,n') Level
Legendre Coefficients

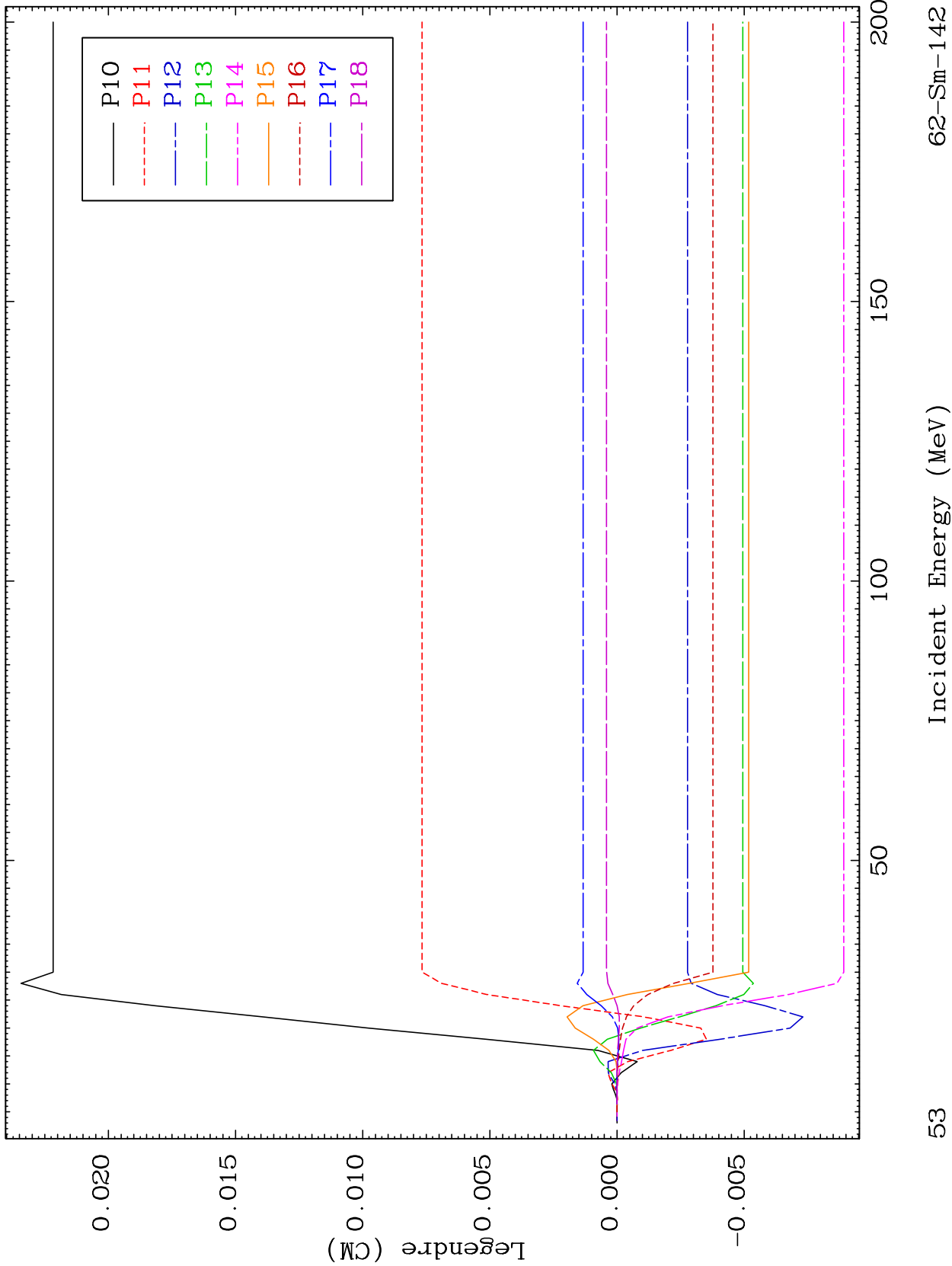
62-Sm-142

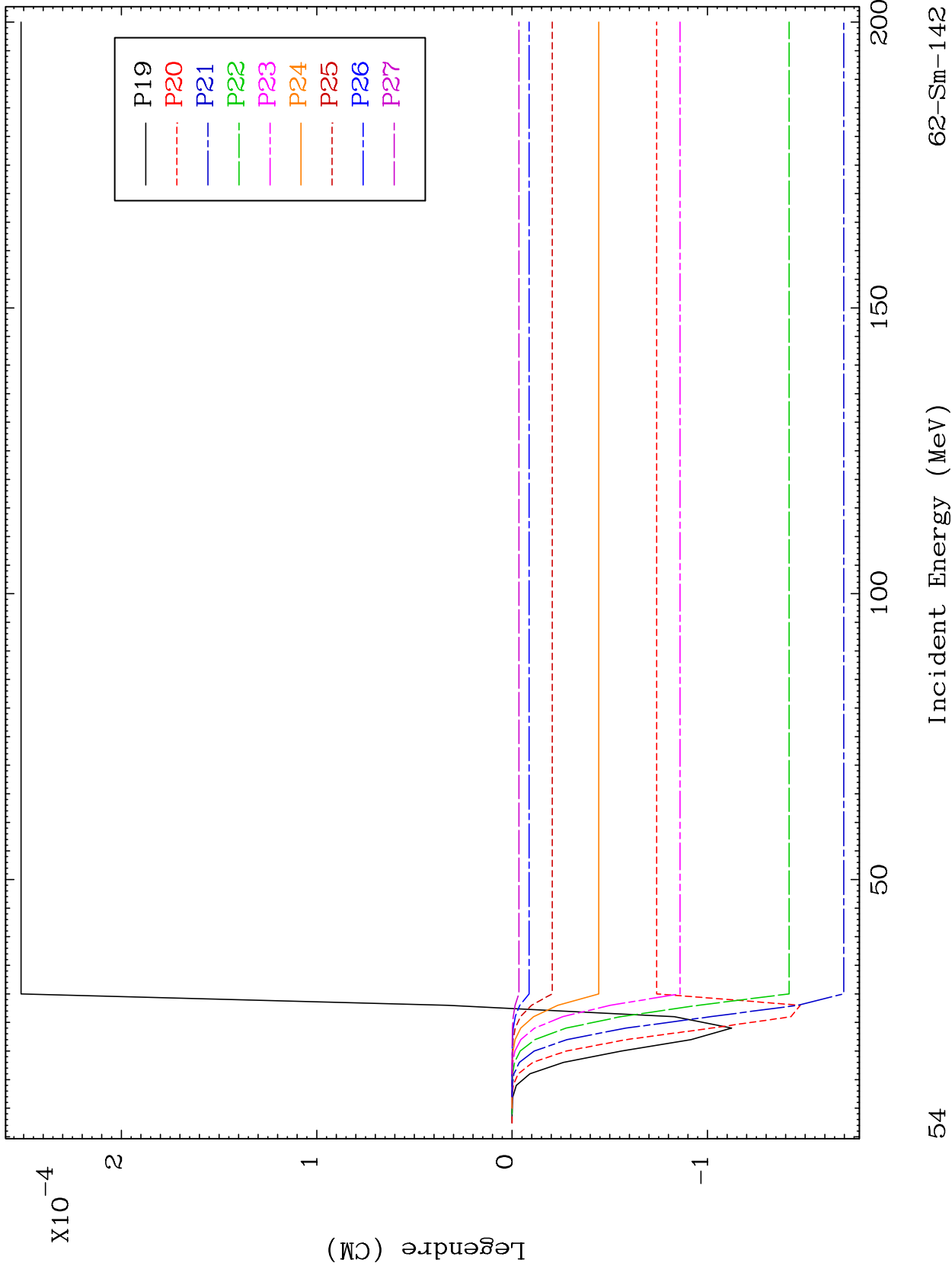


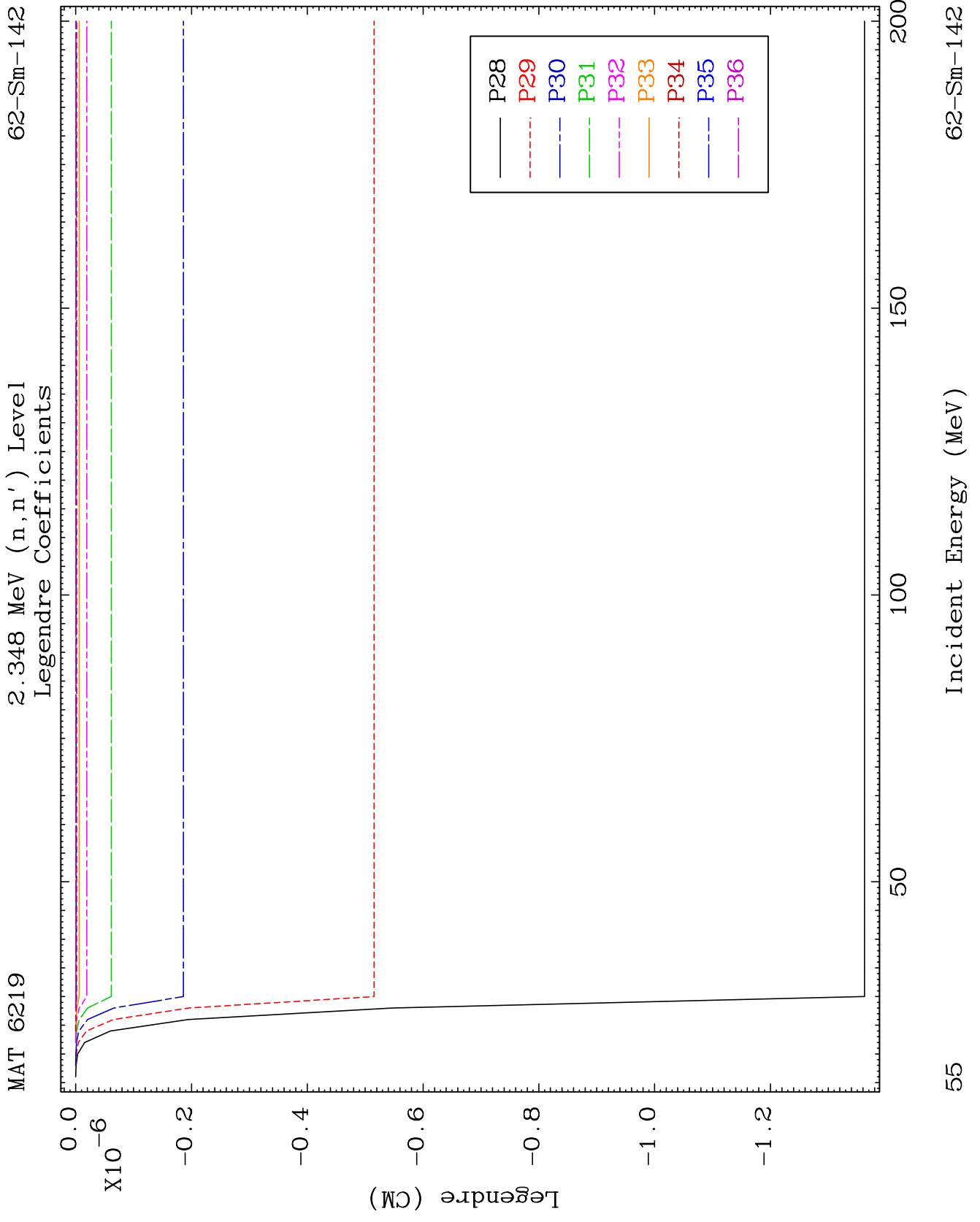
52

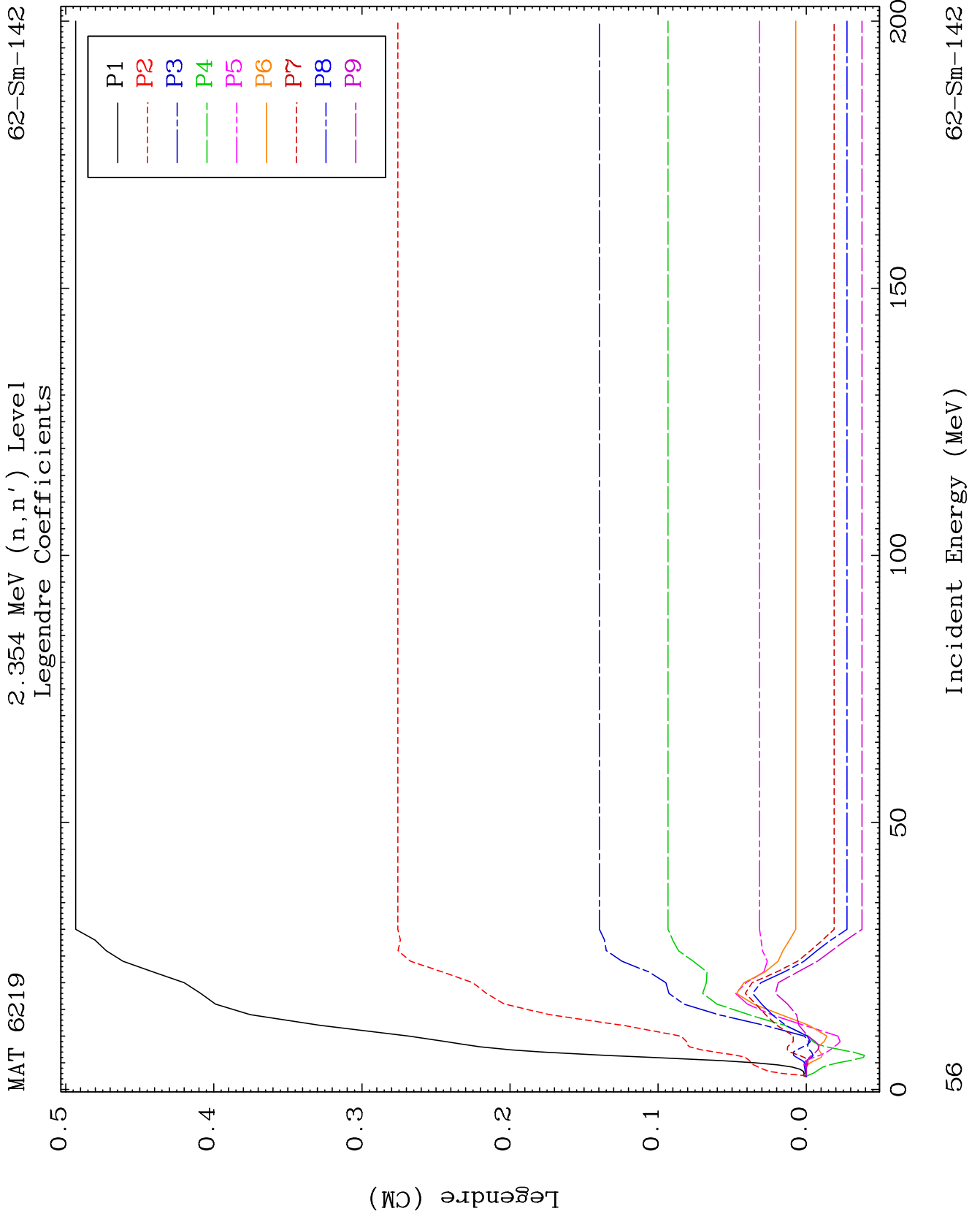
Incident Energy (MeV)

62-Sm-142





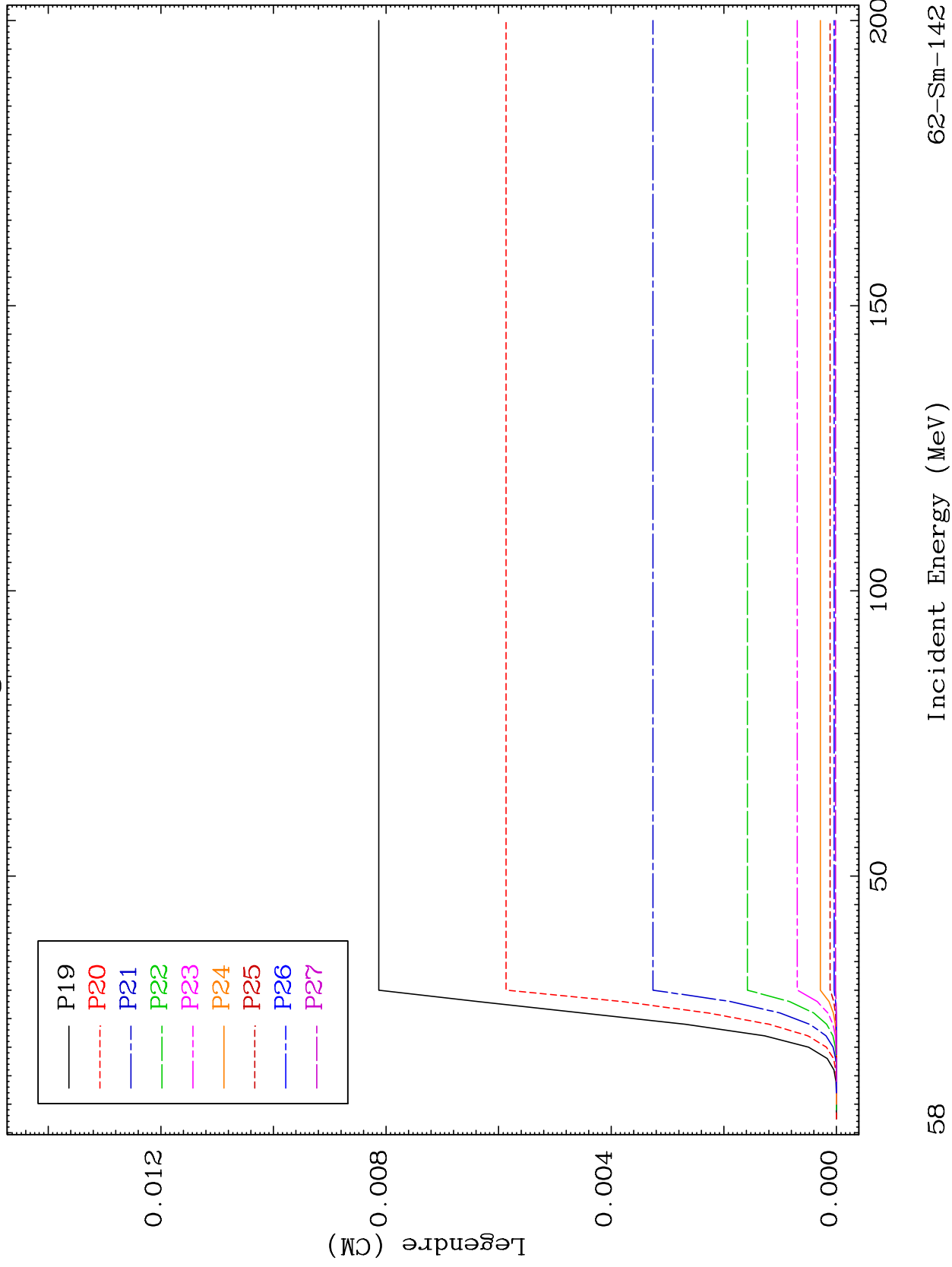




MAT 6219

2.354 MeV (n,n') Level
Legendre Coefficients

62-Sm-142



58

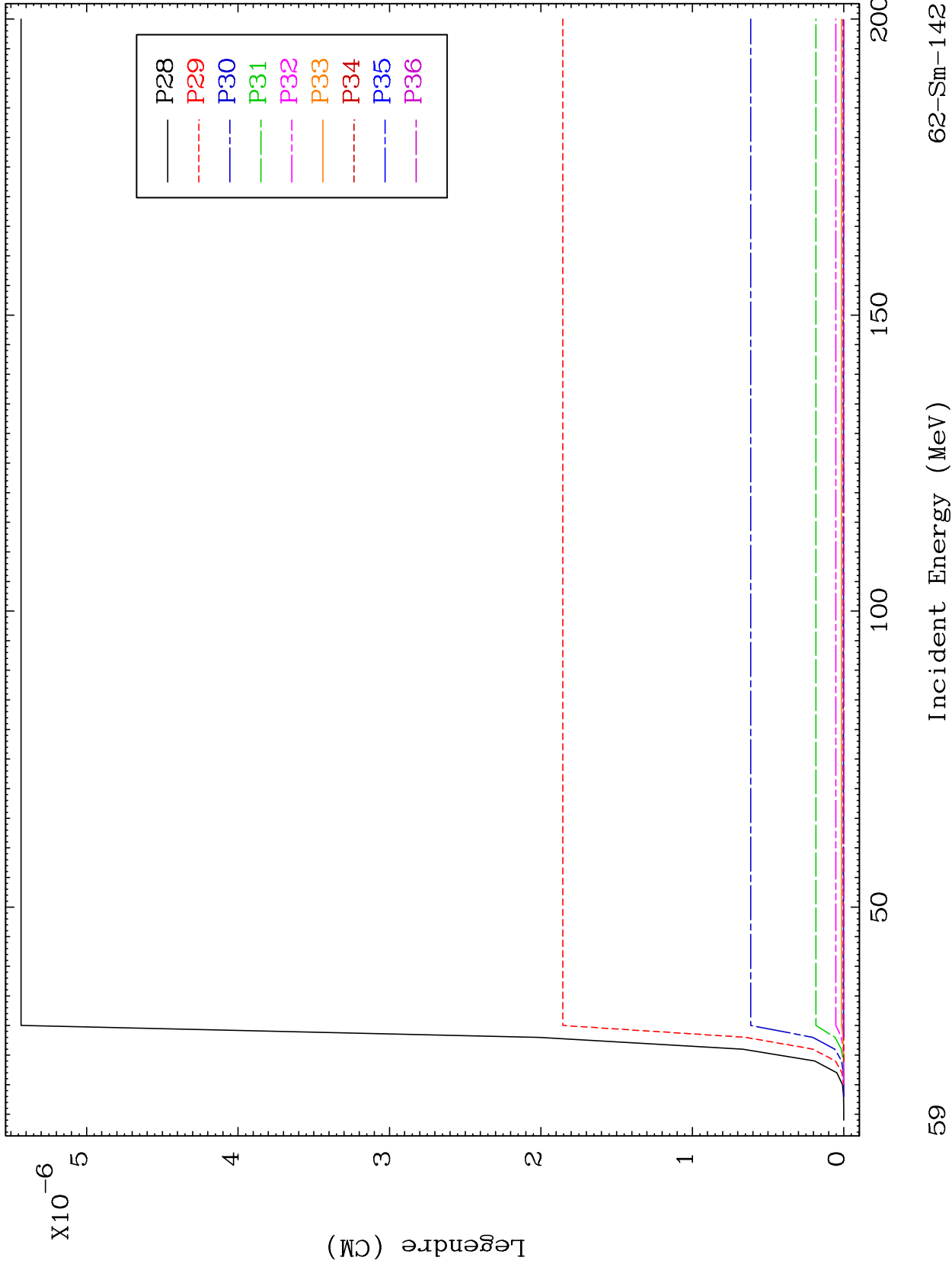
Incident Energy (MeV)

62-Sm-142

MAT 6219

2.354 MeV (n,n') Level
Legendre Coefficients

62-Sm-142



59

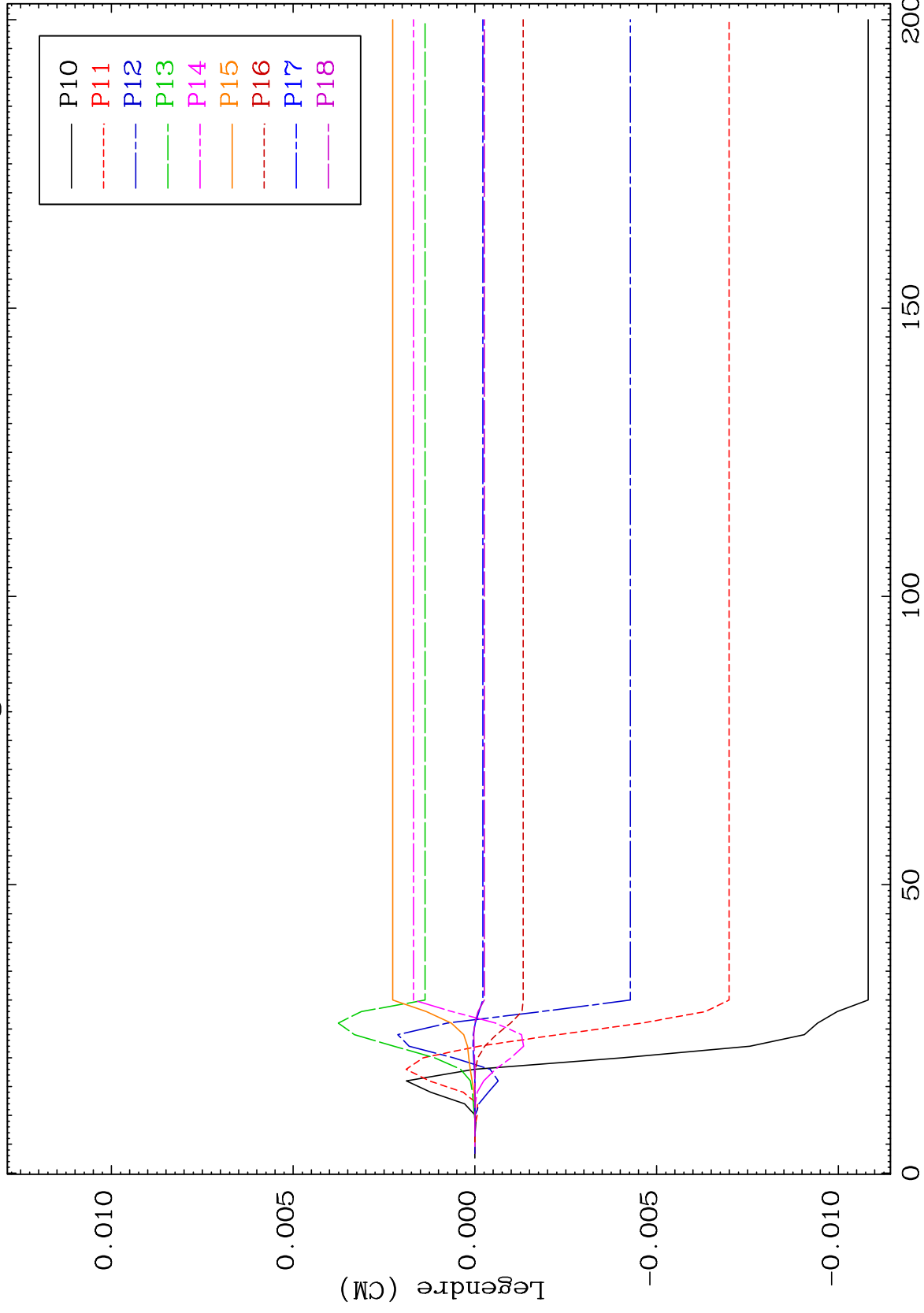
Incident Energy (MeV)

62-Sm-142

MAT 6219

2.372 MeV (n,n') Level
Legendre Coefficients

62-Sm-142



61

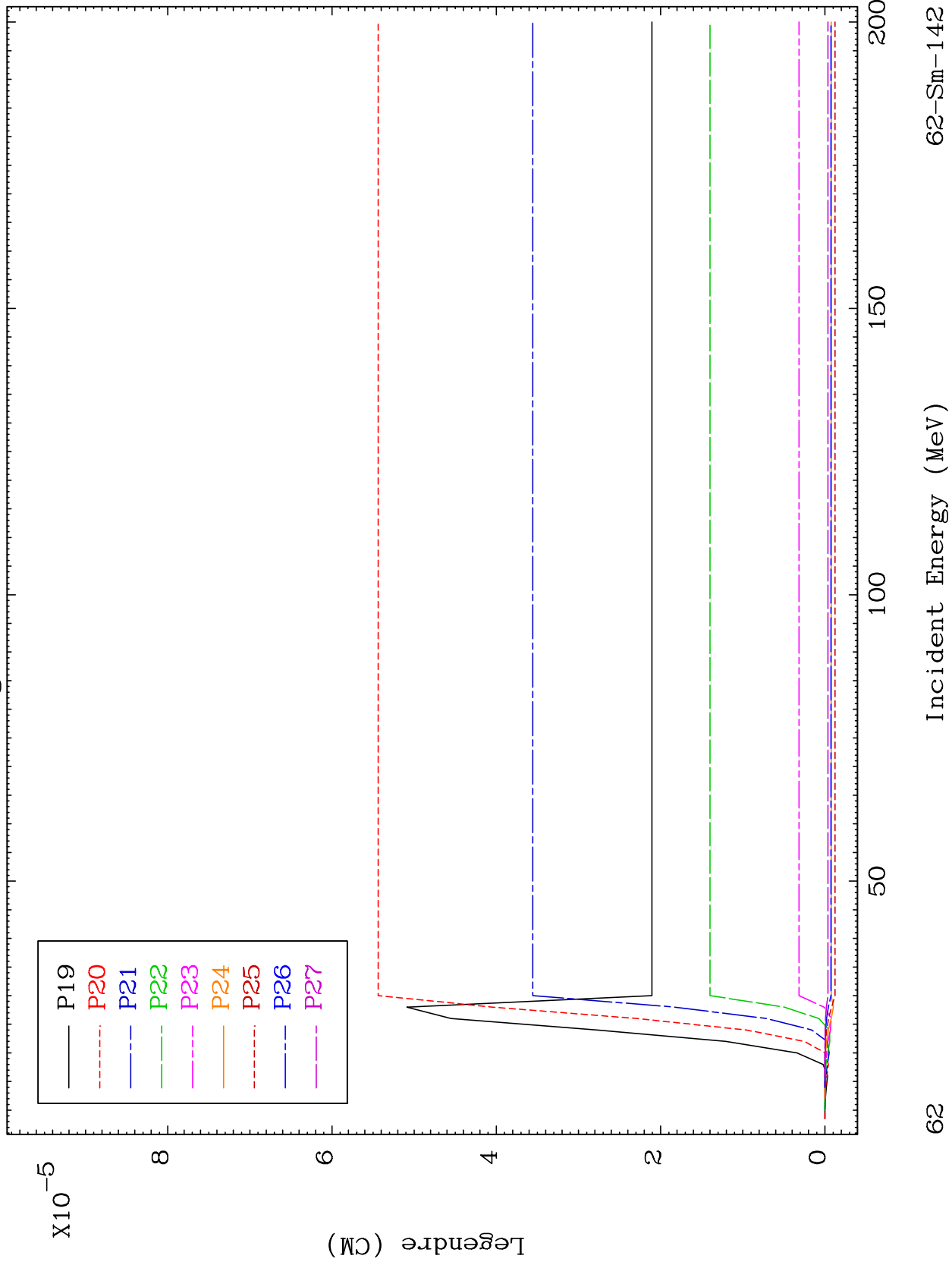
Incident Energy (MeV)

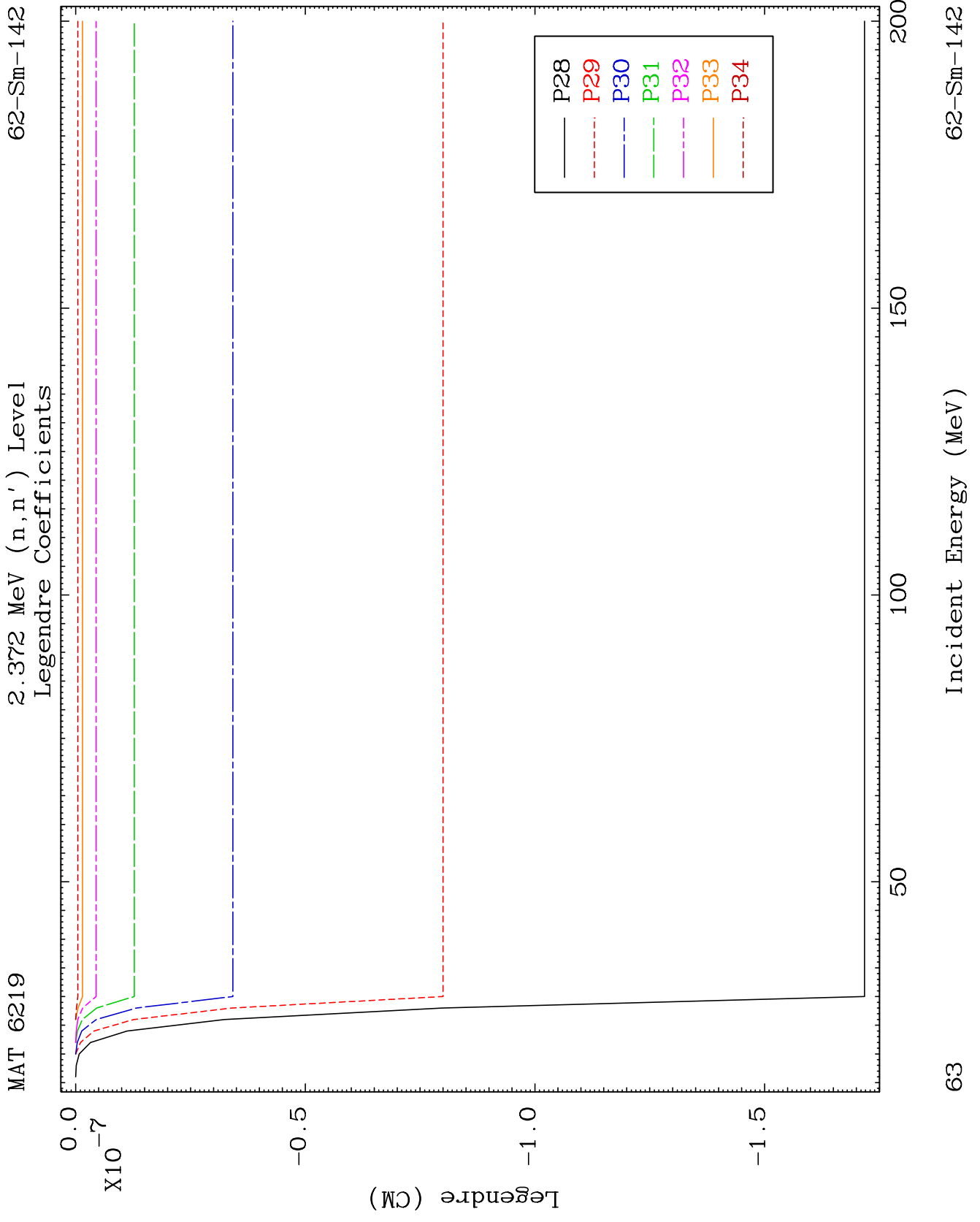
62-Sm-142

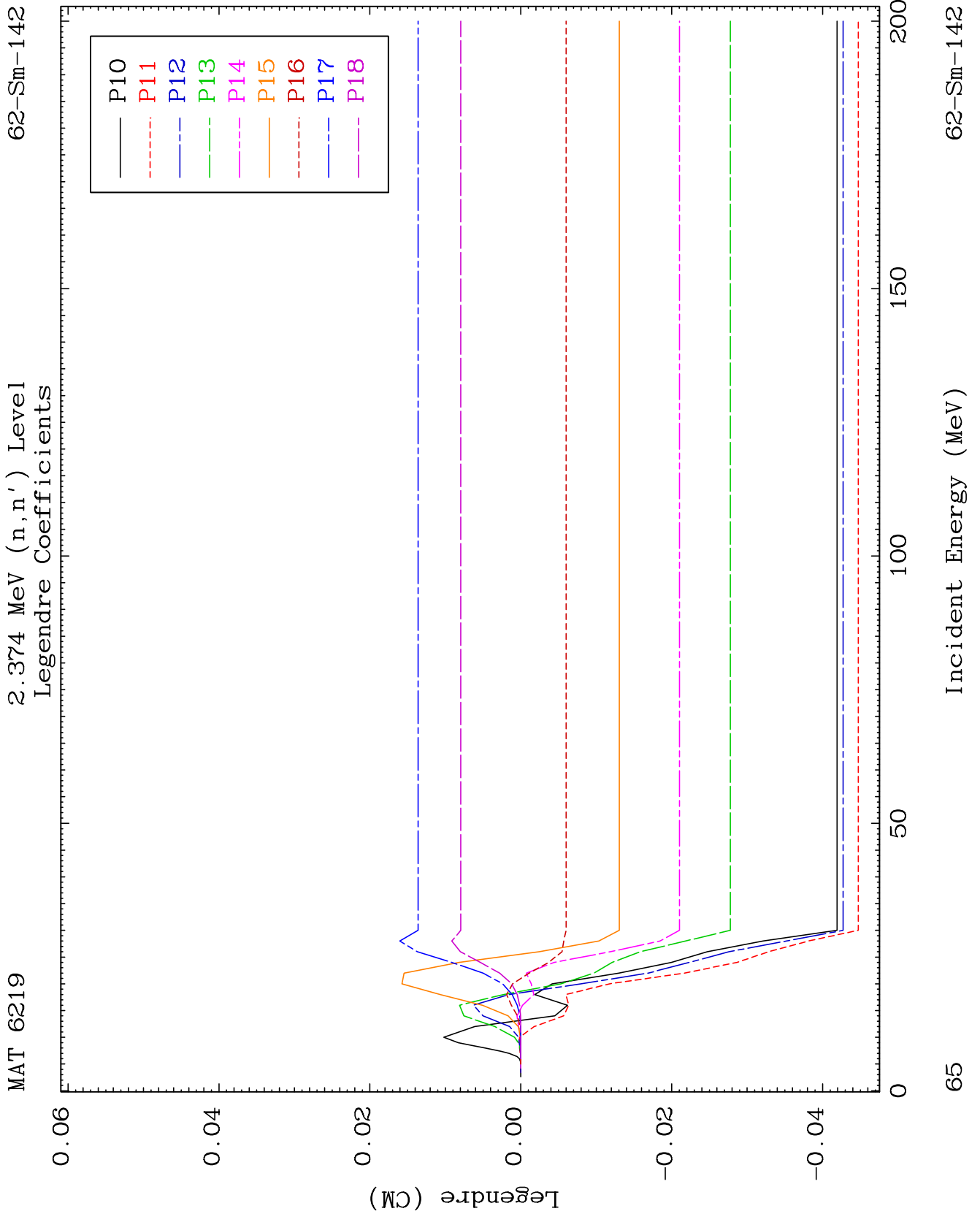
MAT 6219

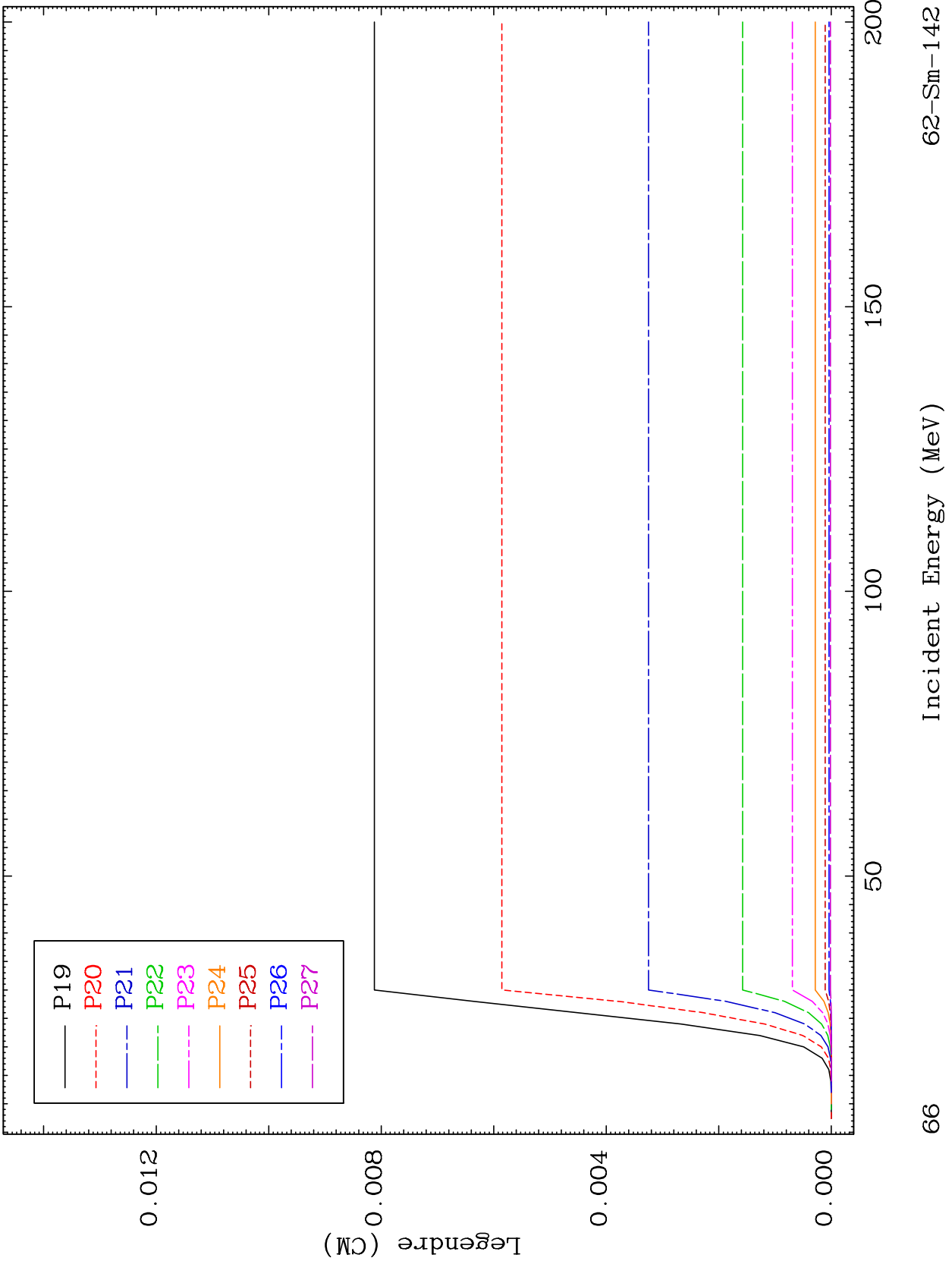
2.372 MeV (n, n') Level
Legendre Coefficients

62-Sm-142





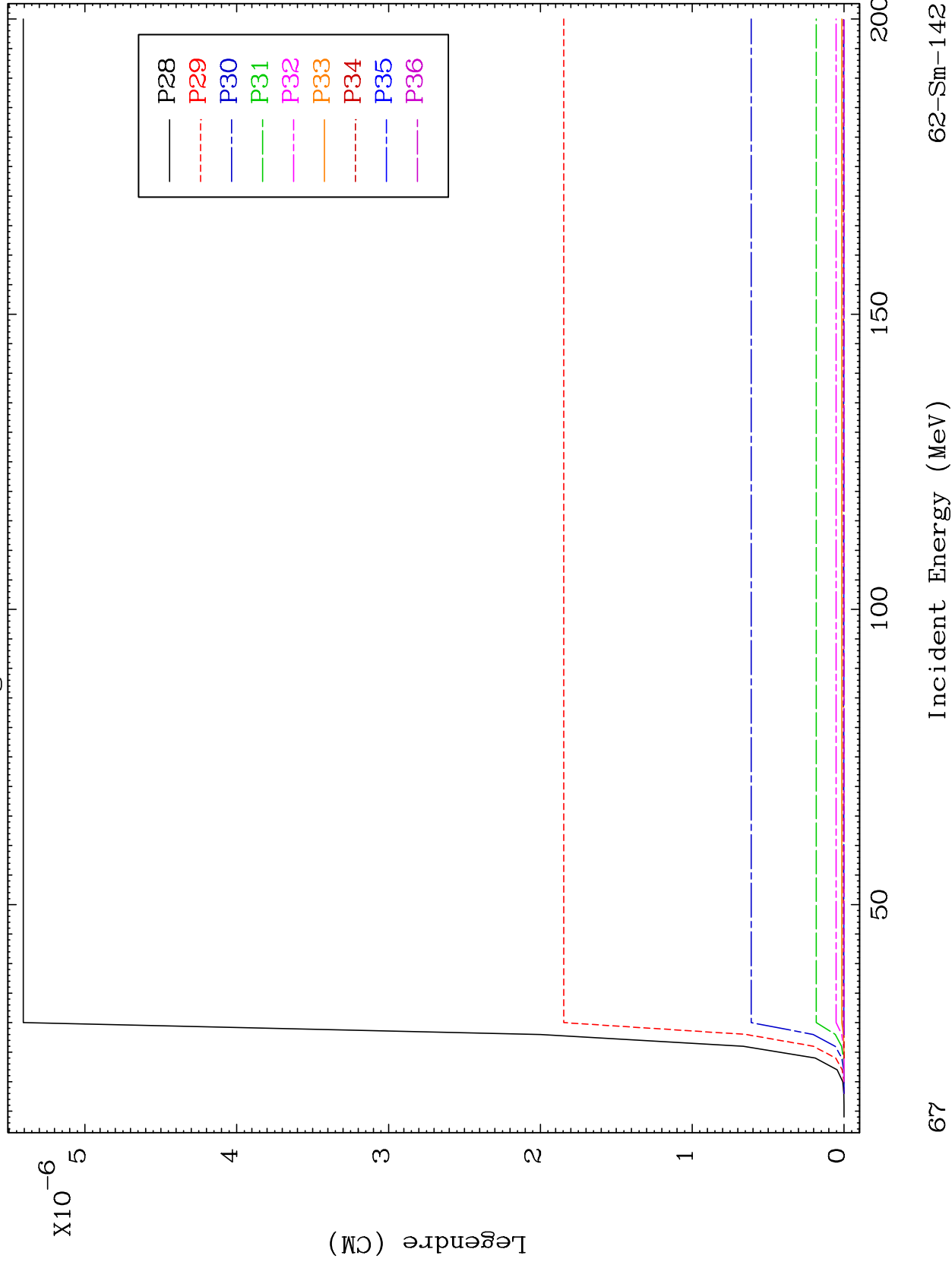




MAT 6219

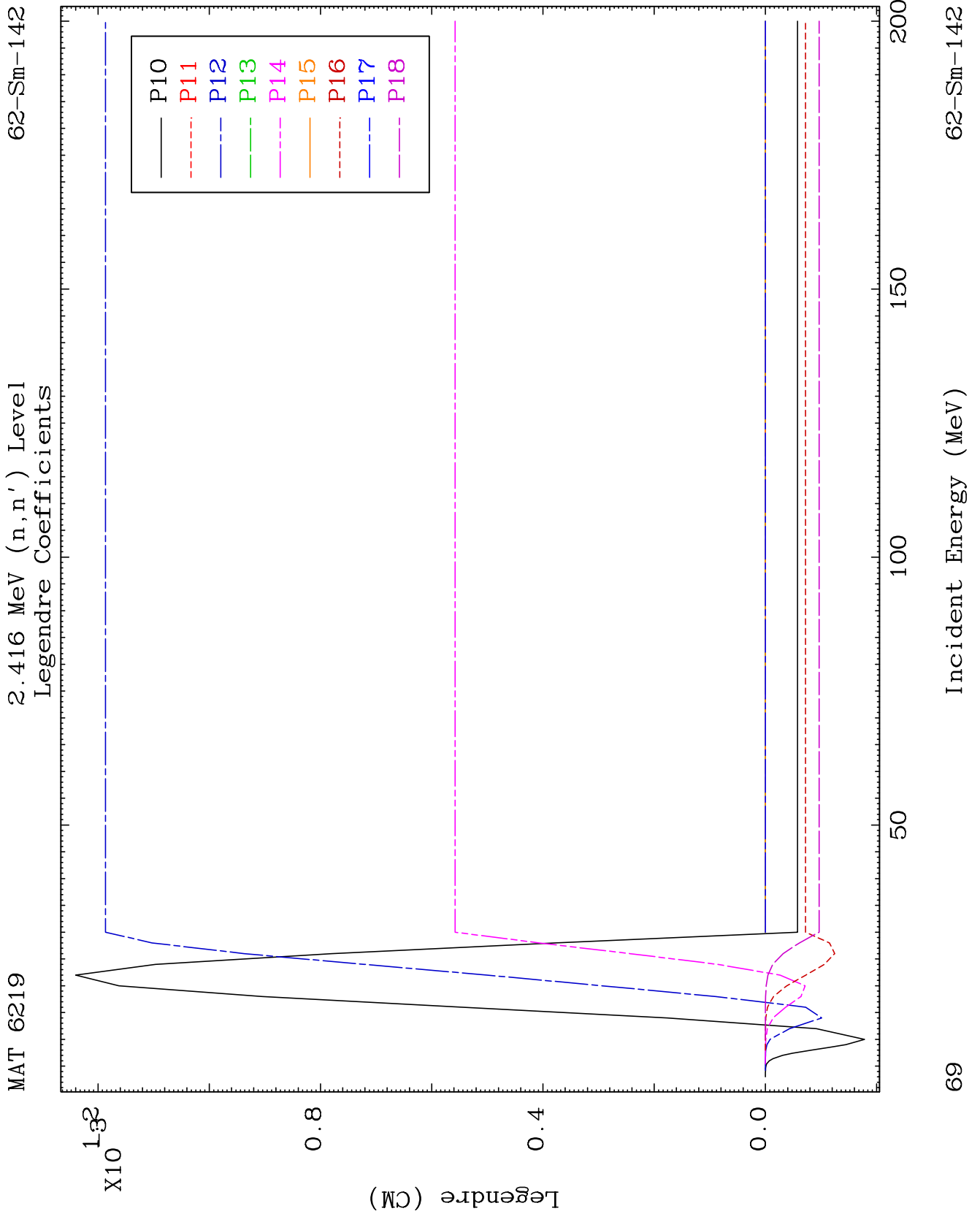
2.374 MeV (n,n') Level
Legendre Coefficients

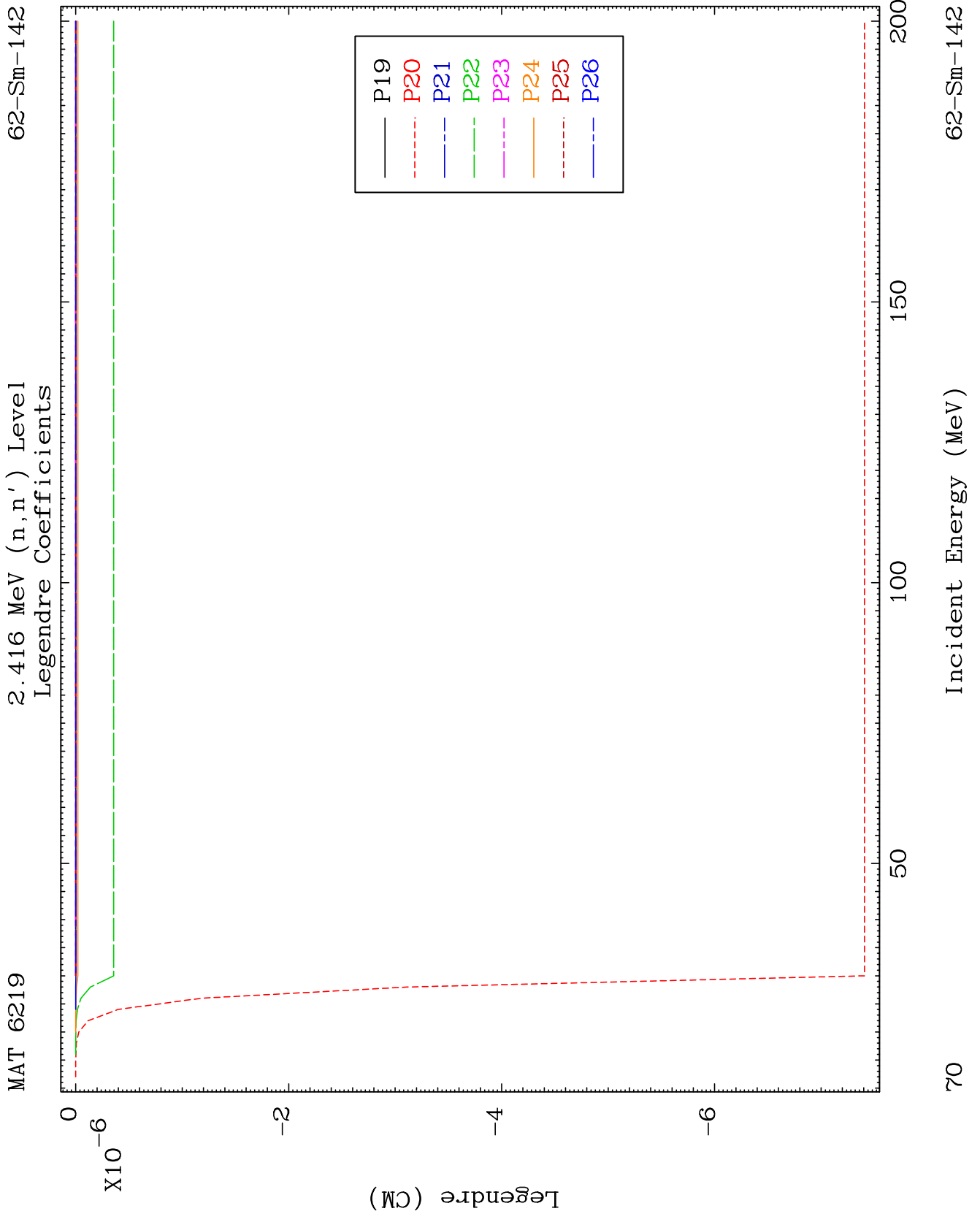
62-Sm-142

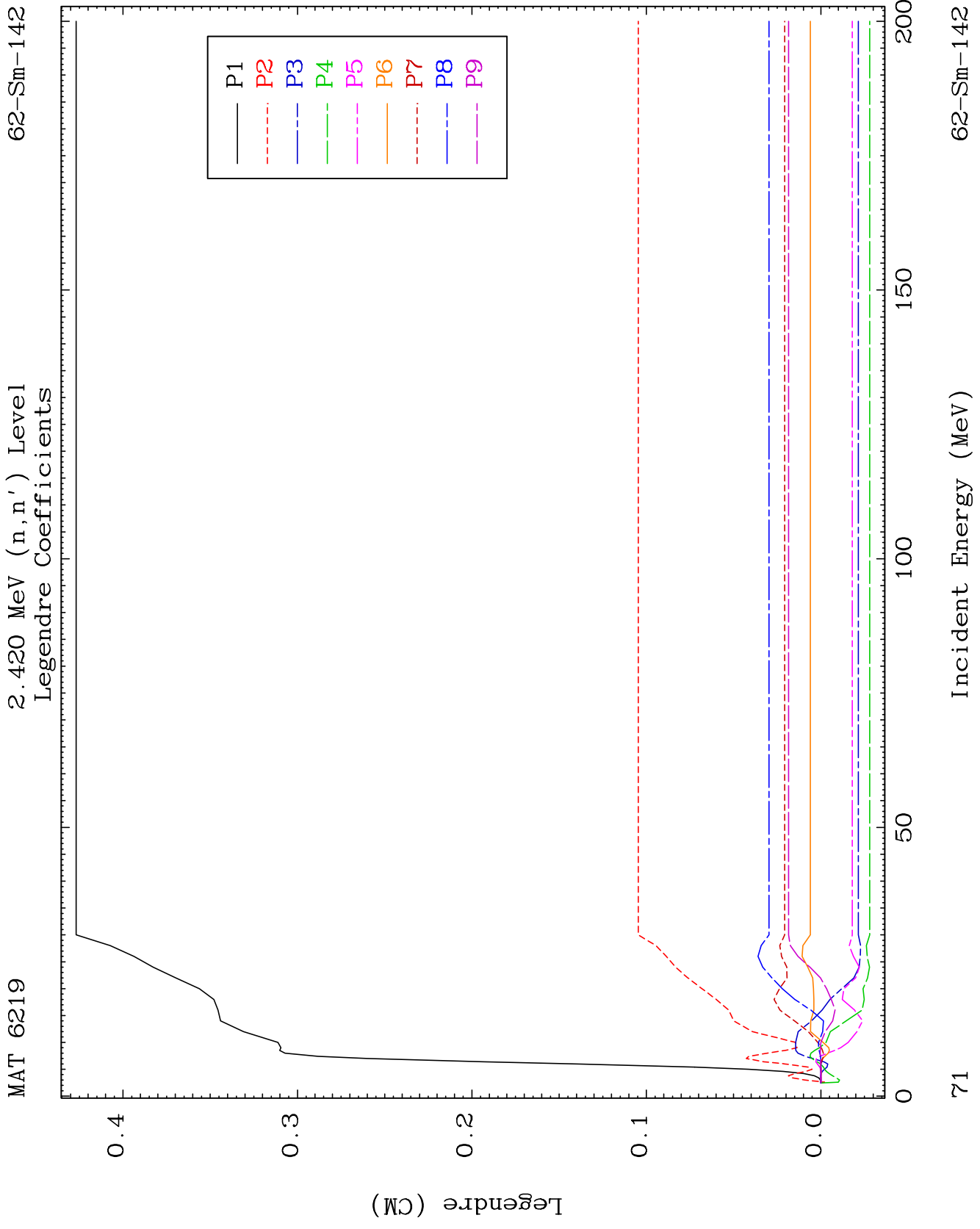


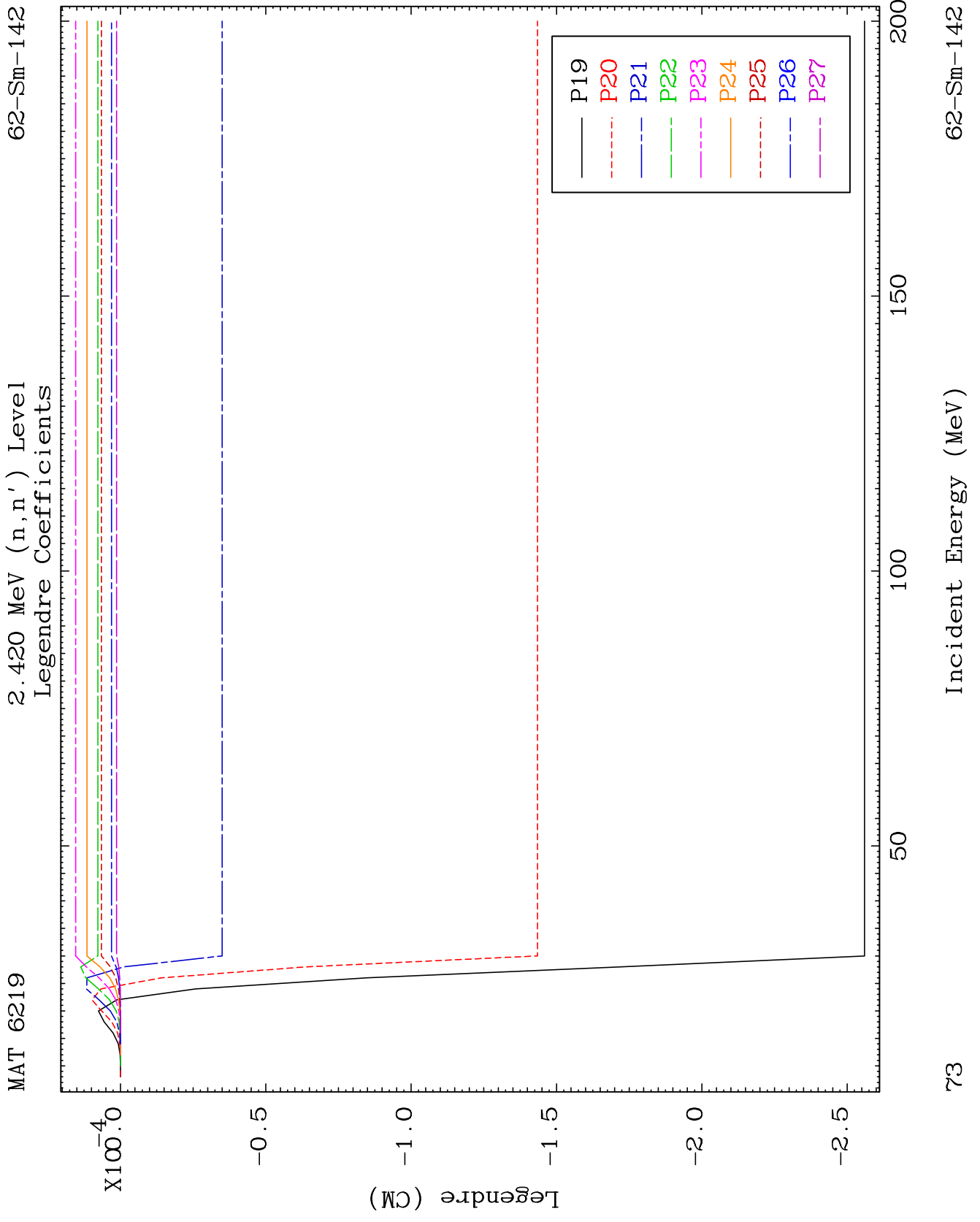
67

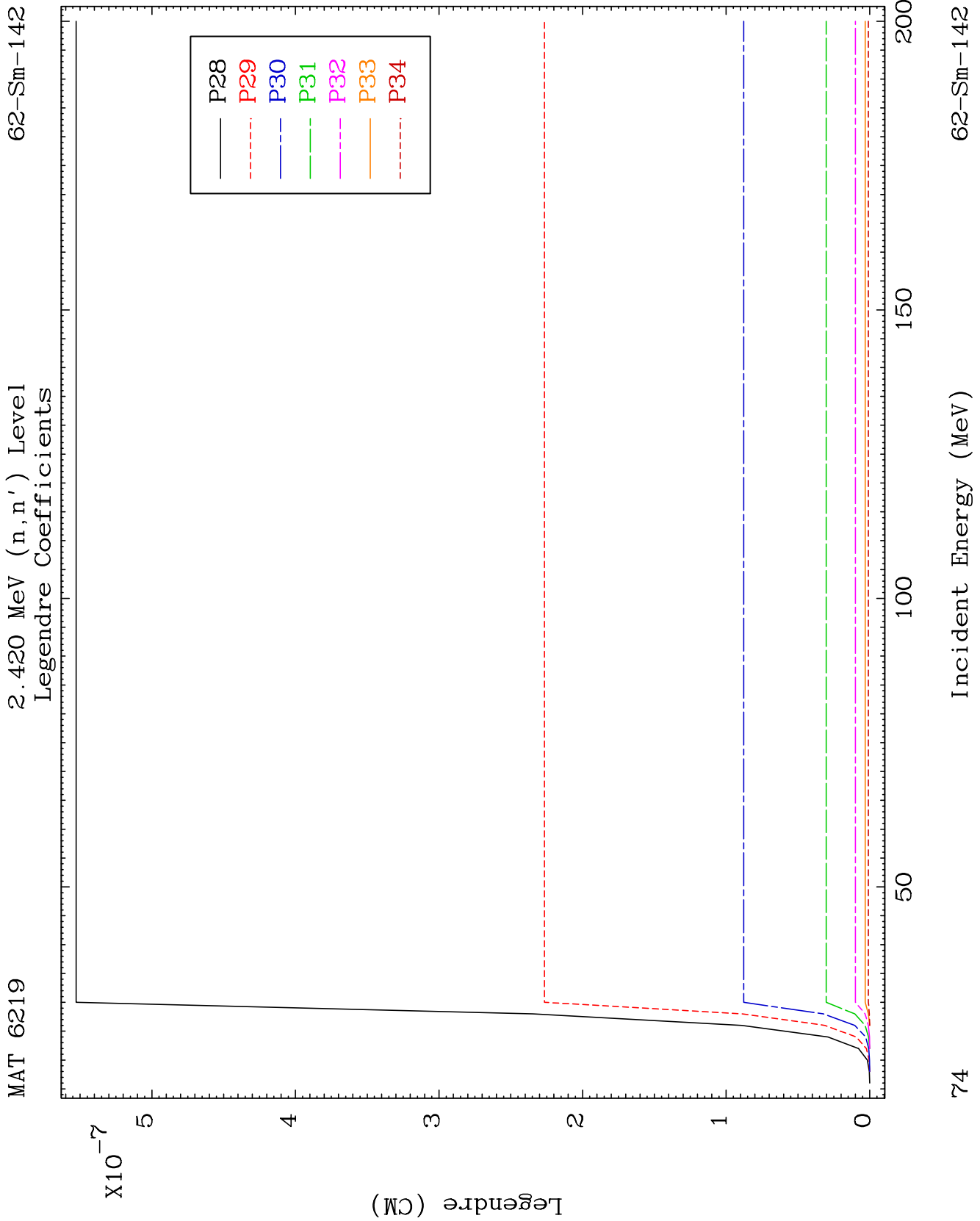
62-Sm-142

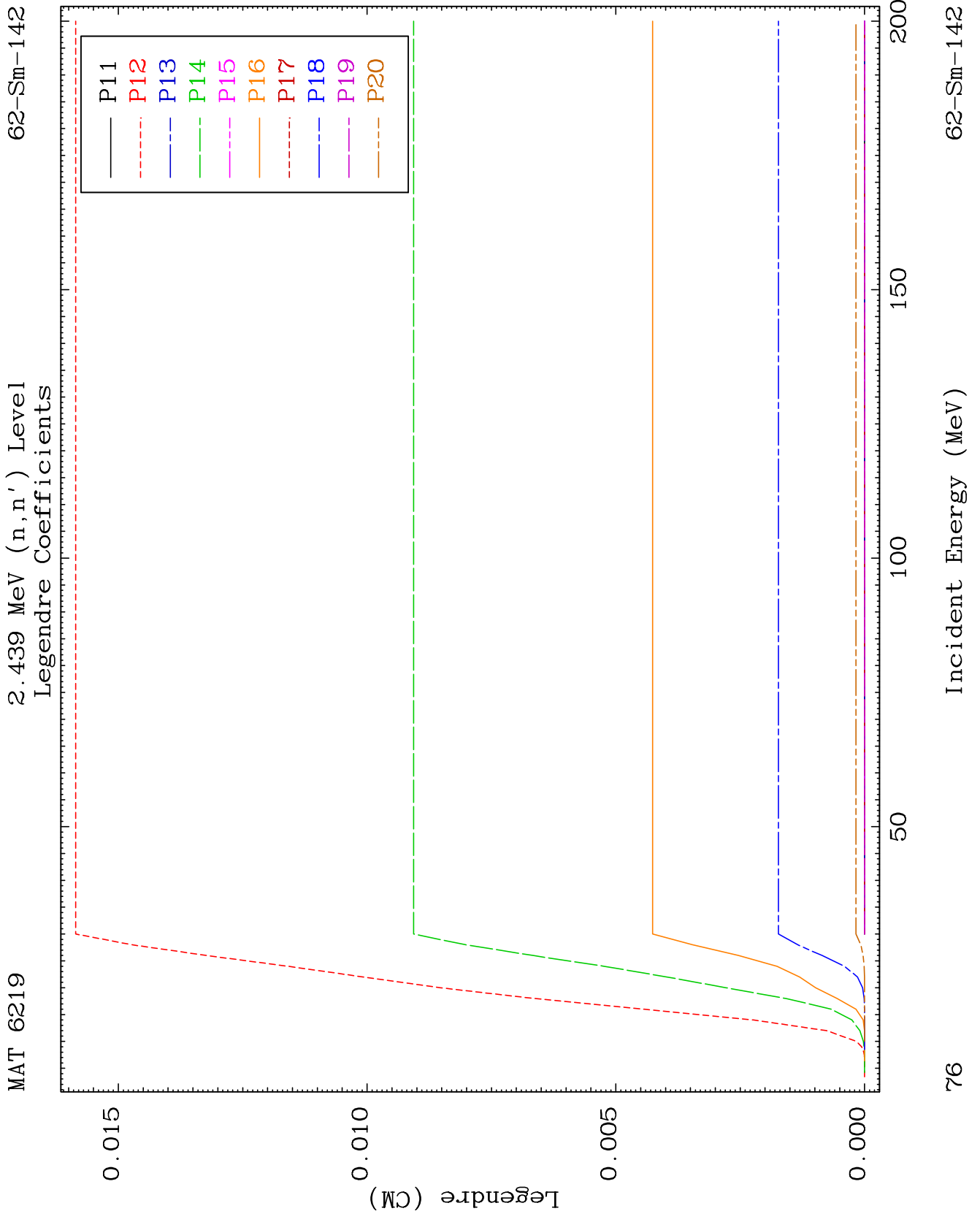








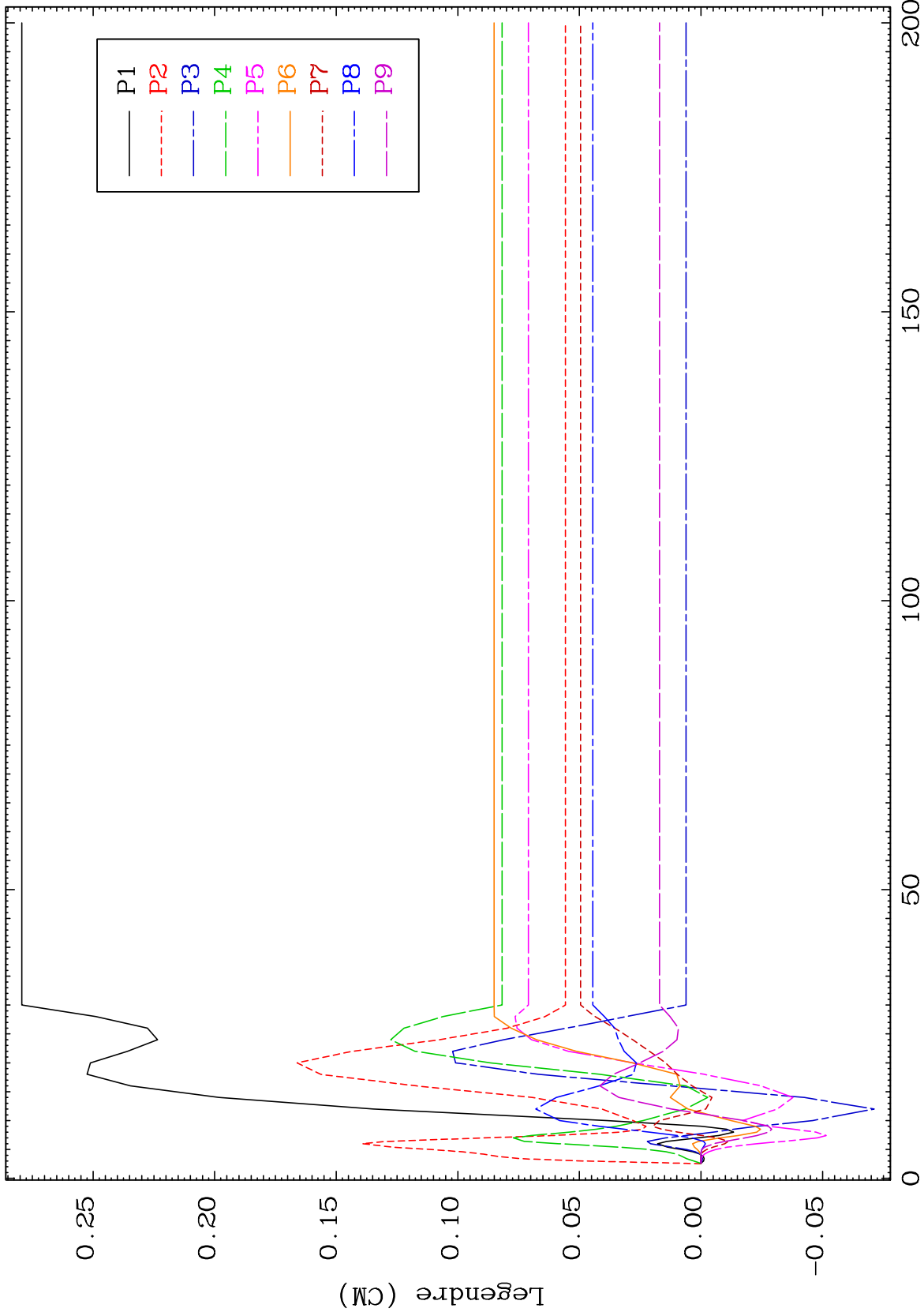




MAT 6219

2.497 MeV (n,n') Level
Legendre Coefficients

62-Sm-142



78

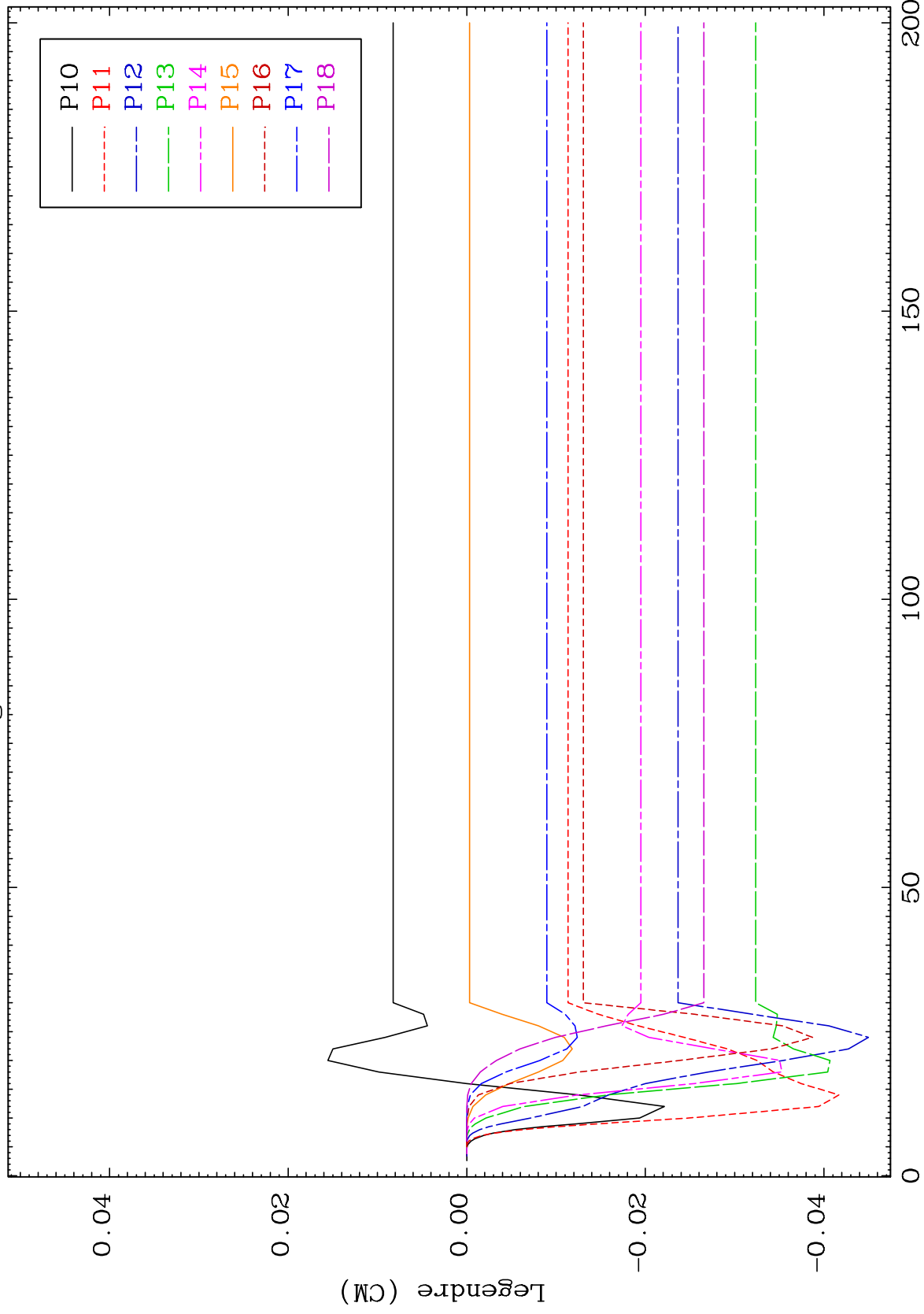
Incident Energy (MeV)

62-Sm-142

MAT 6219

2.497 MeV (n,n') Level
Legendre Coefficients

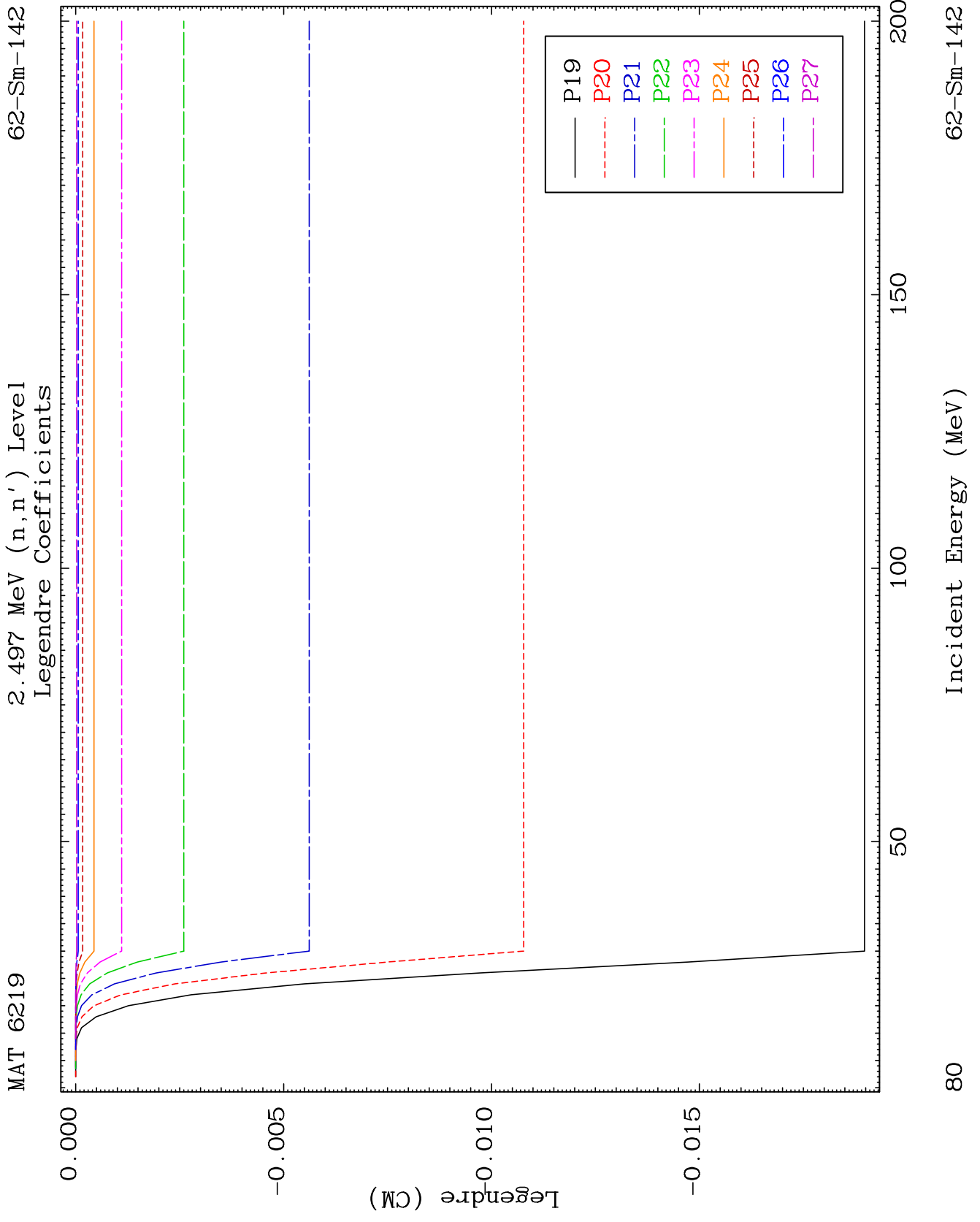
62-Sm-142

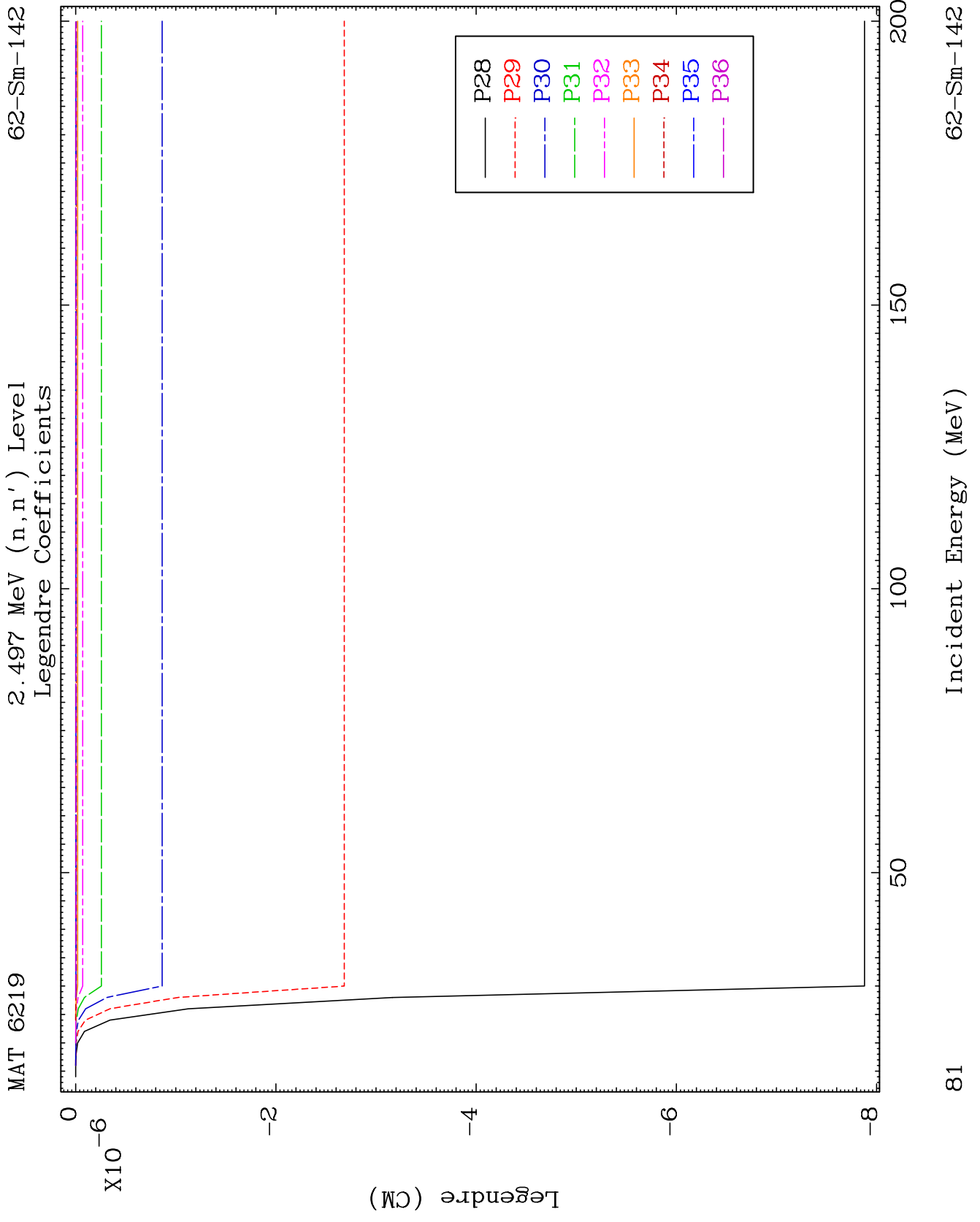


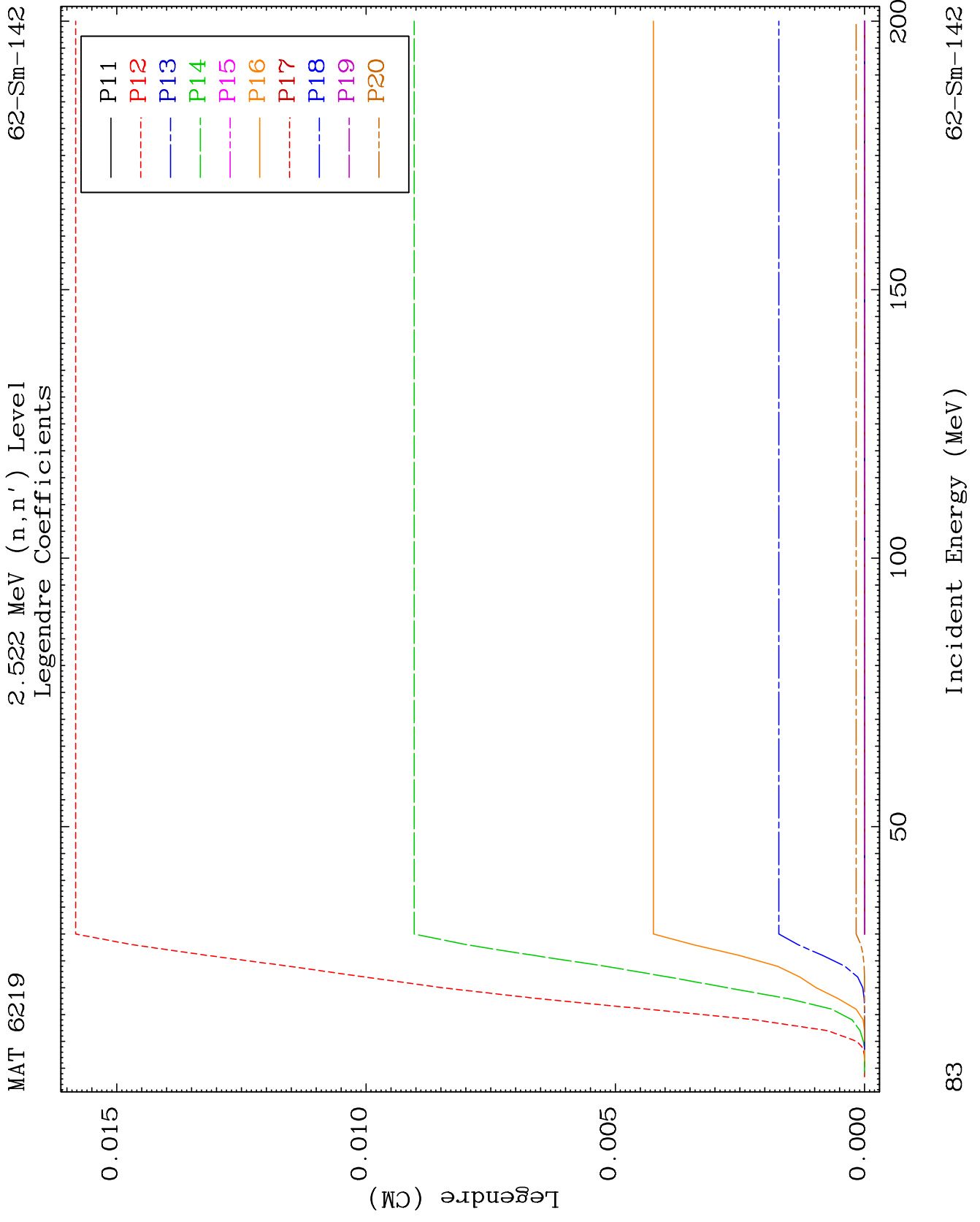
79

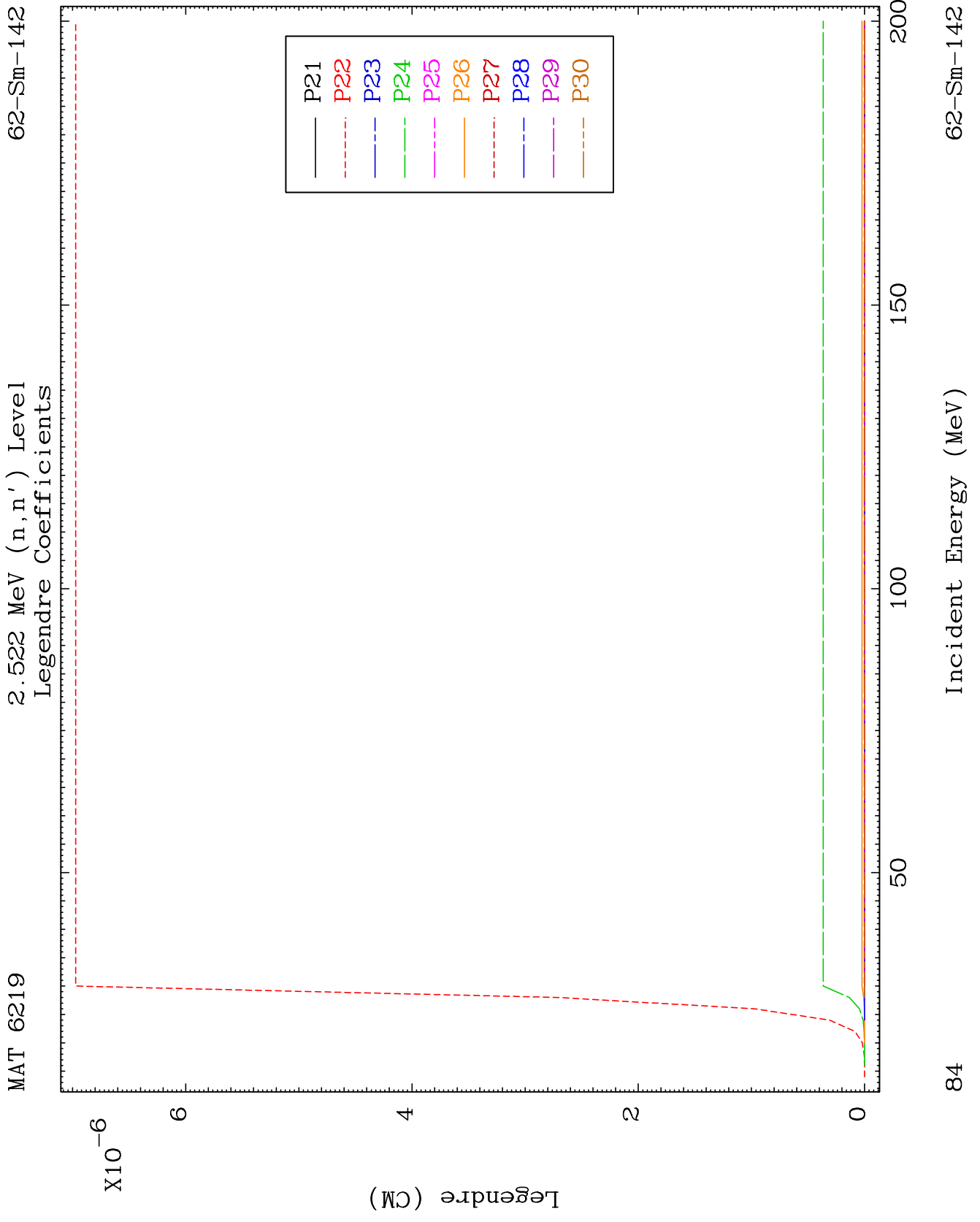
Incident Energy (MeV)

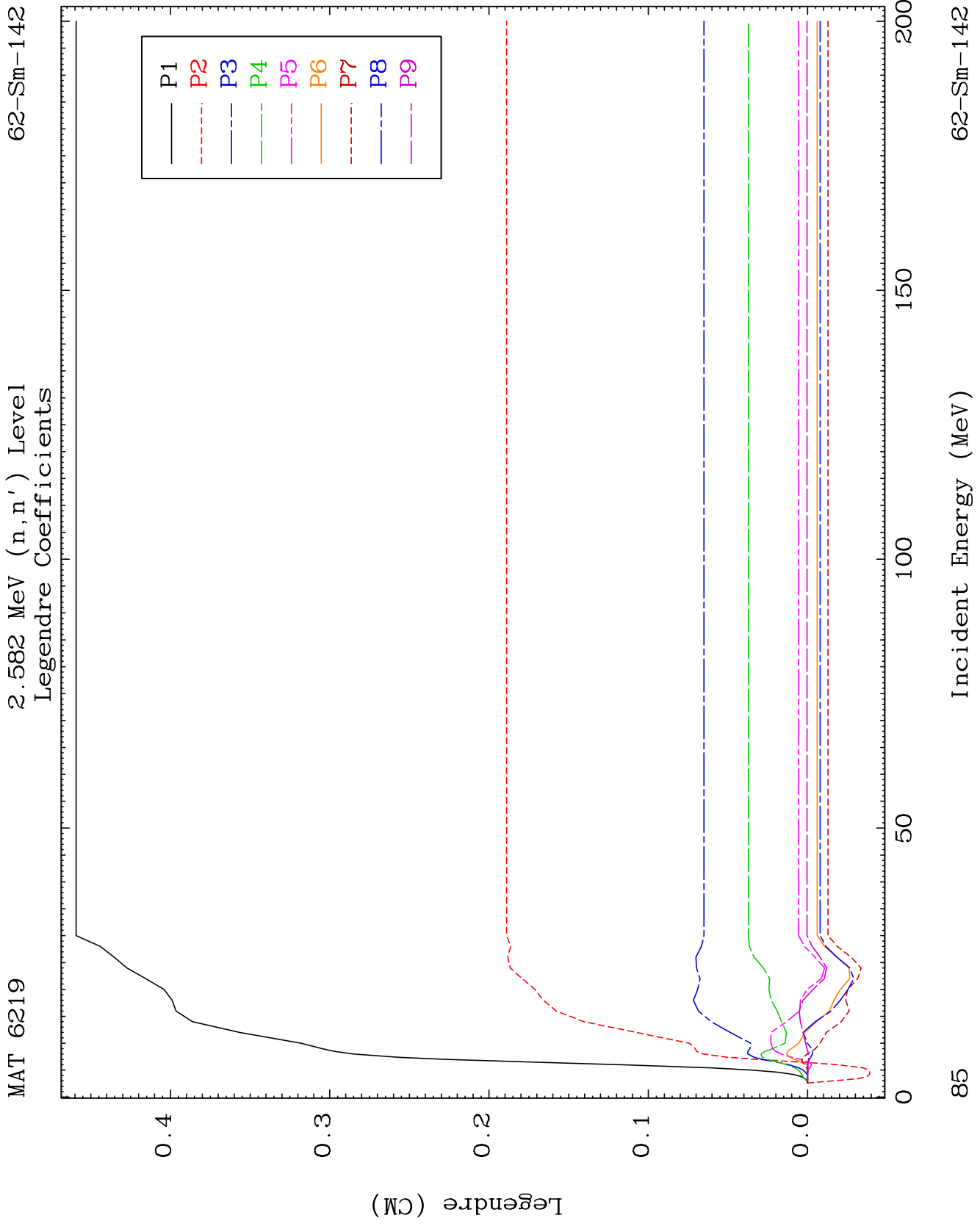
62-Sm-142

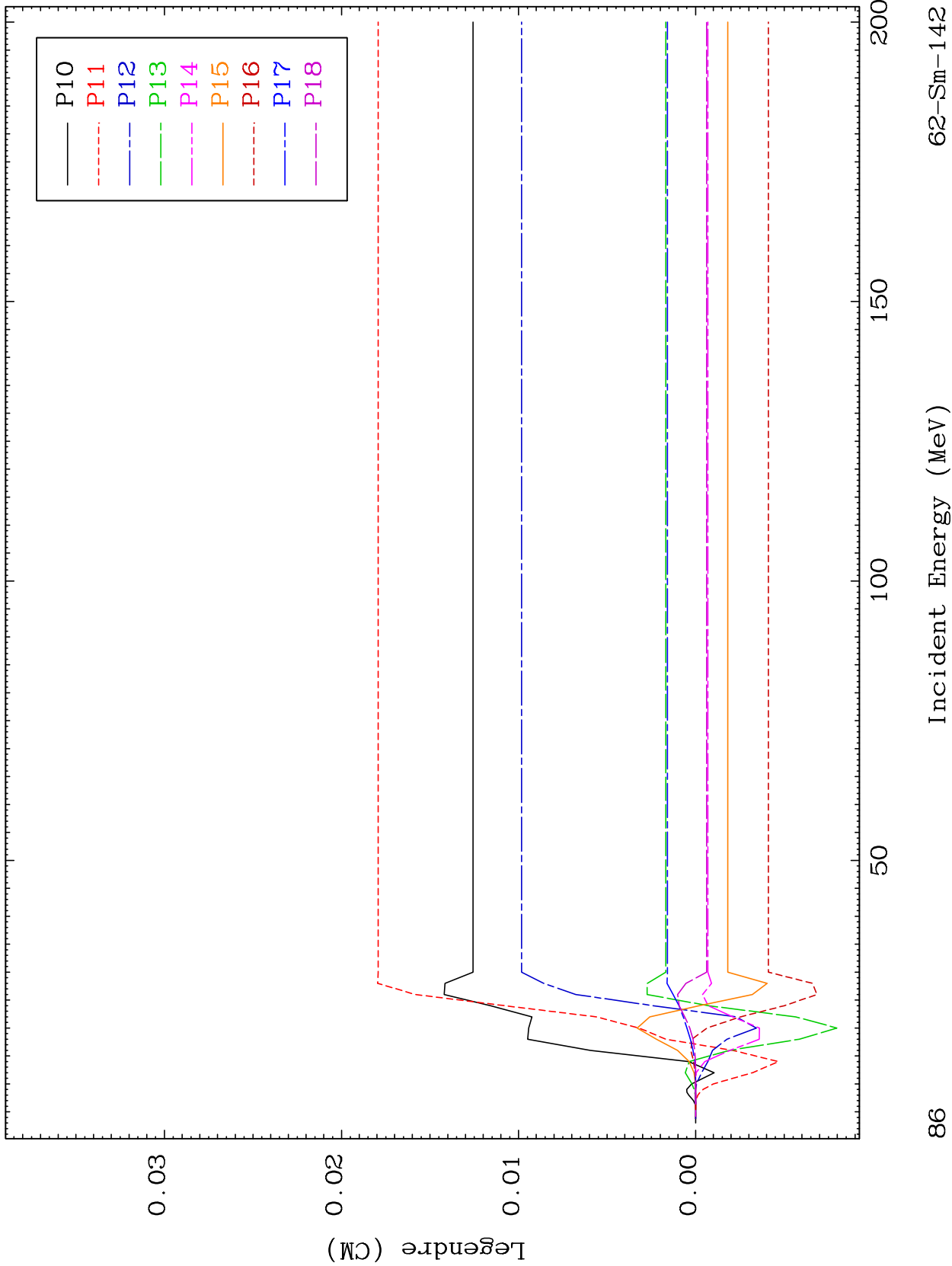








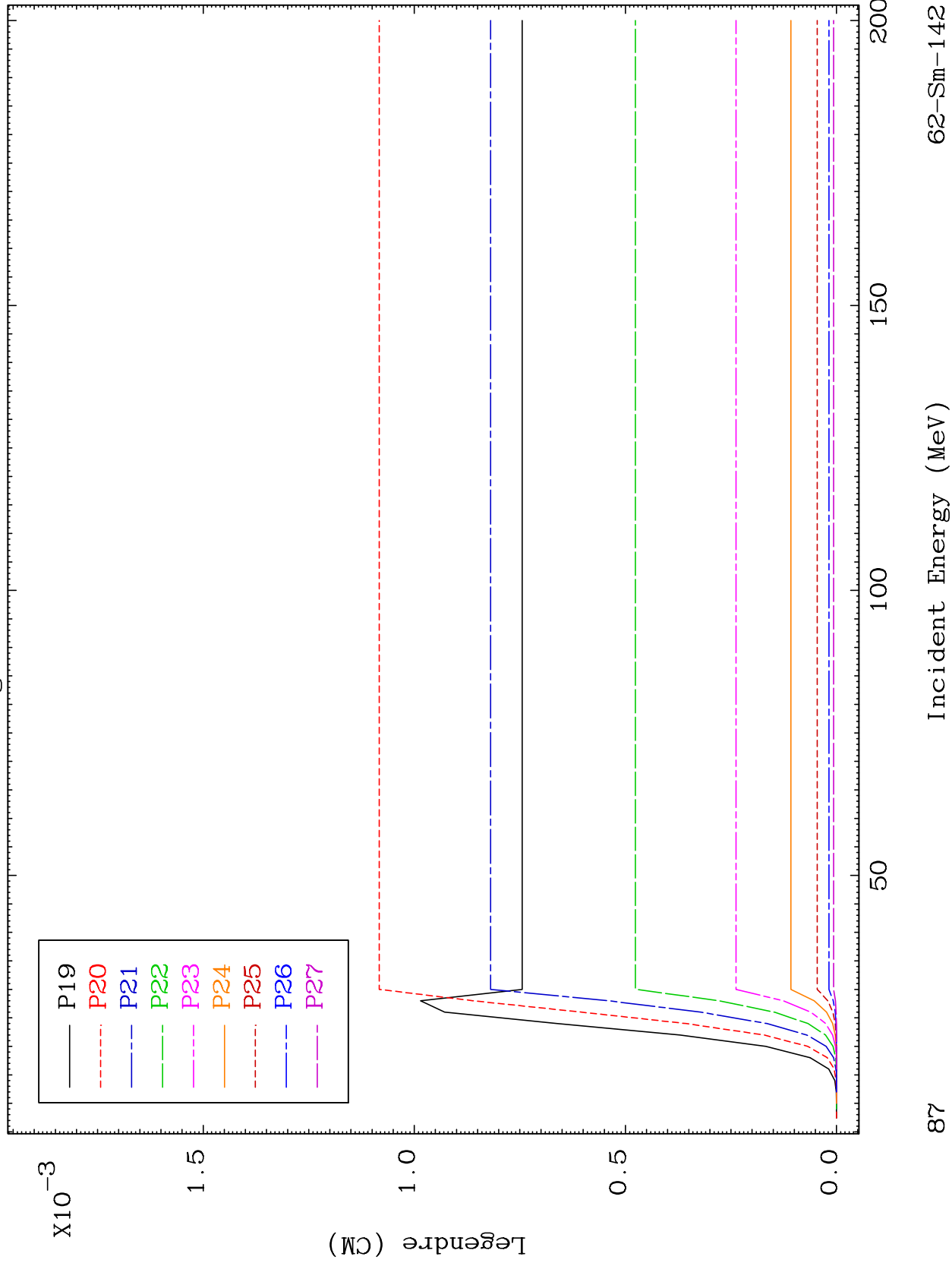




MAT 6219

2.582 MeV (n, n') Level
Legendre Coefficients

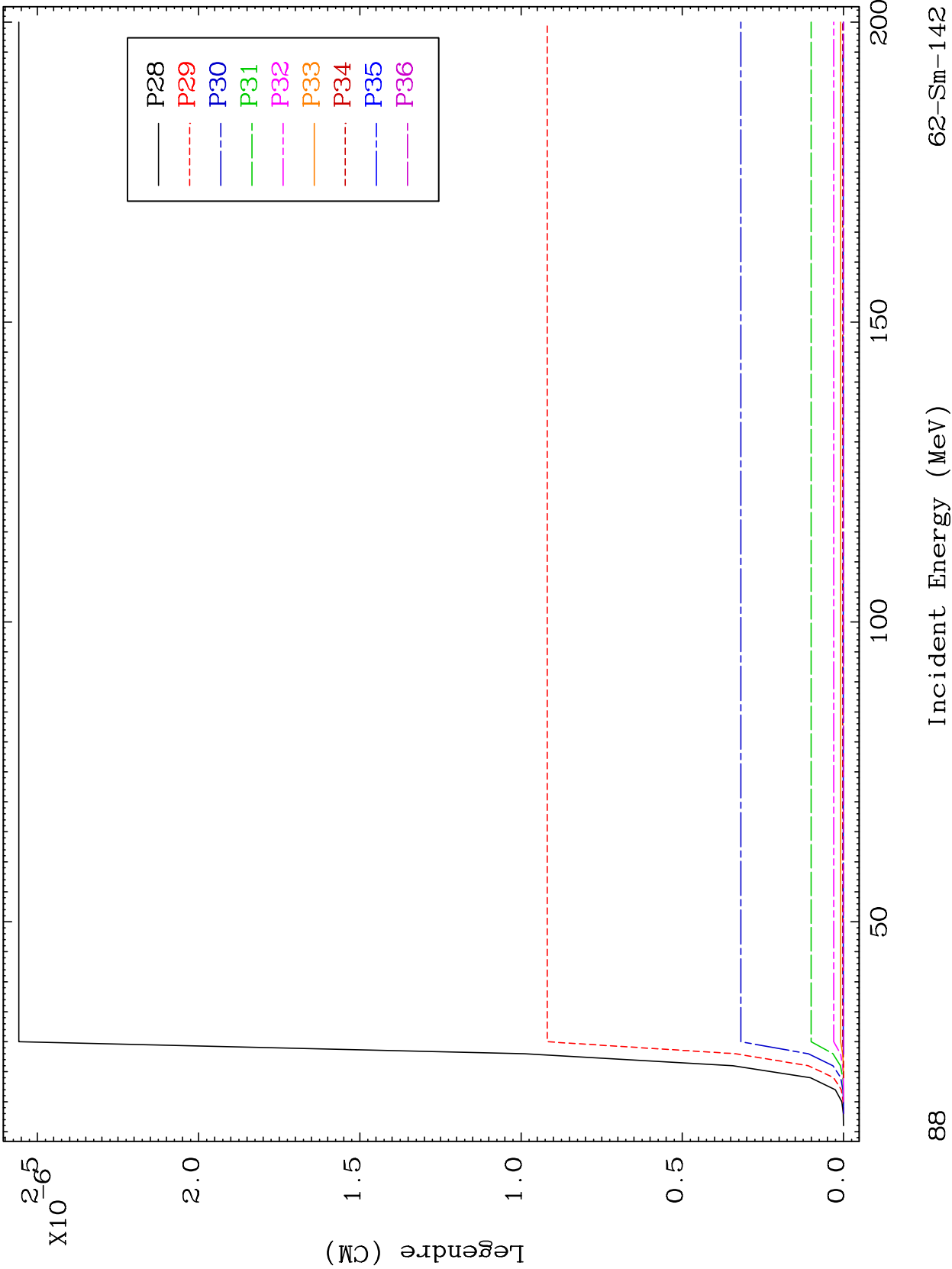
62-Sm-142



MAT 6219

2.582 MeV (n, n') Level
Legendre Coefficients

62-Sm-142



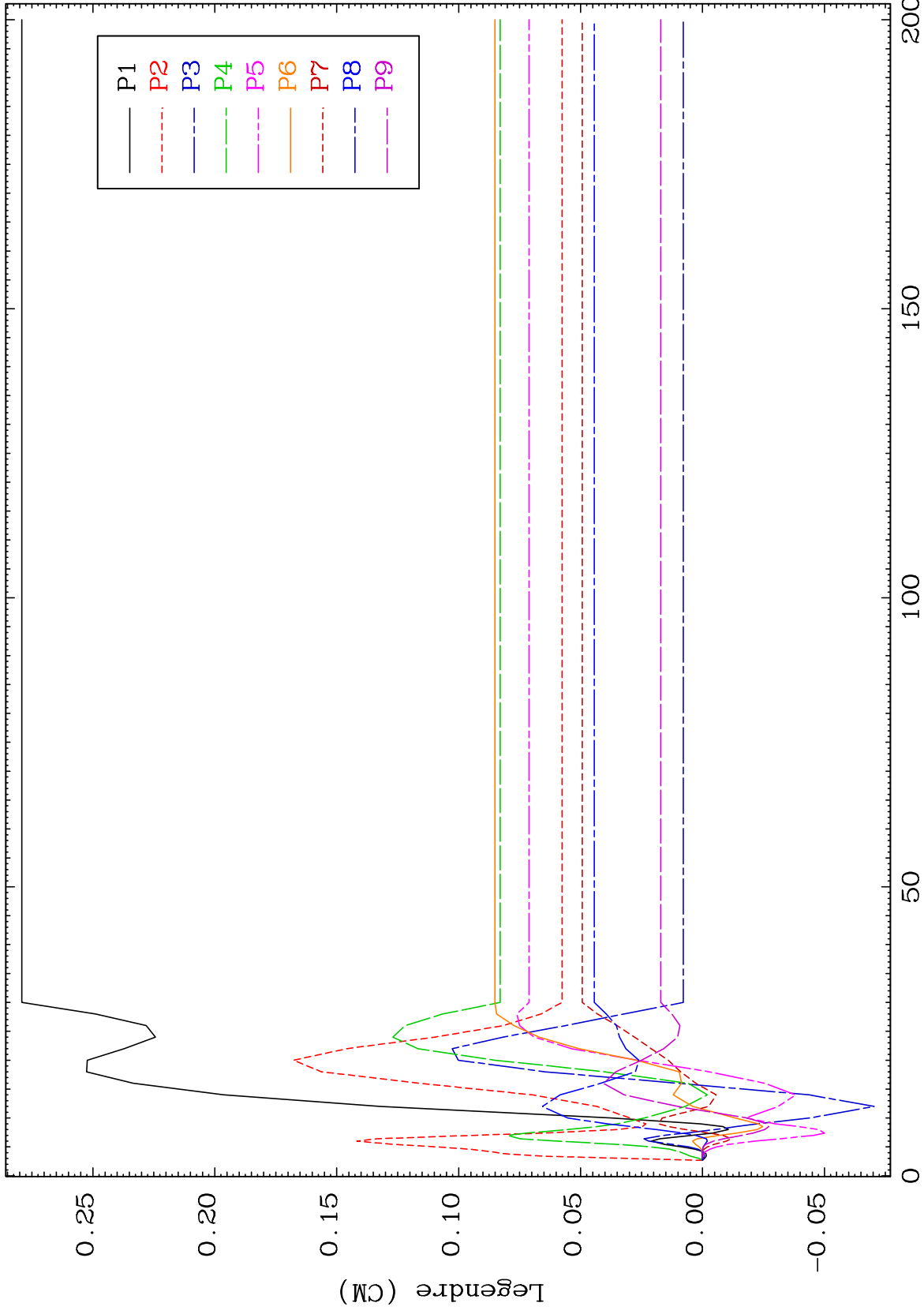
88

62-Sm-142

MAT 6219

2.656 MeV (n,n') Level
Legendre Coefficients

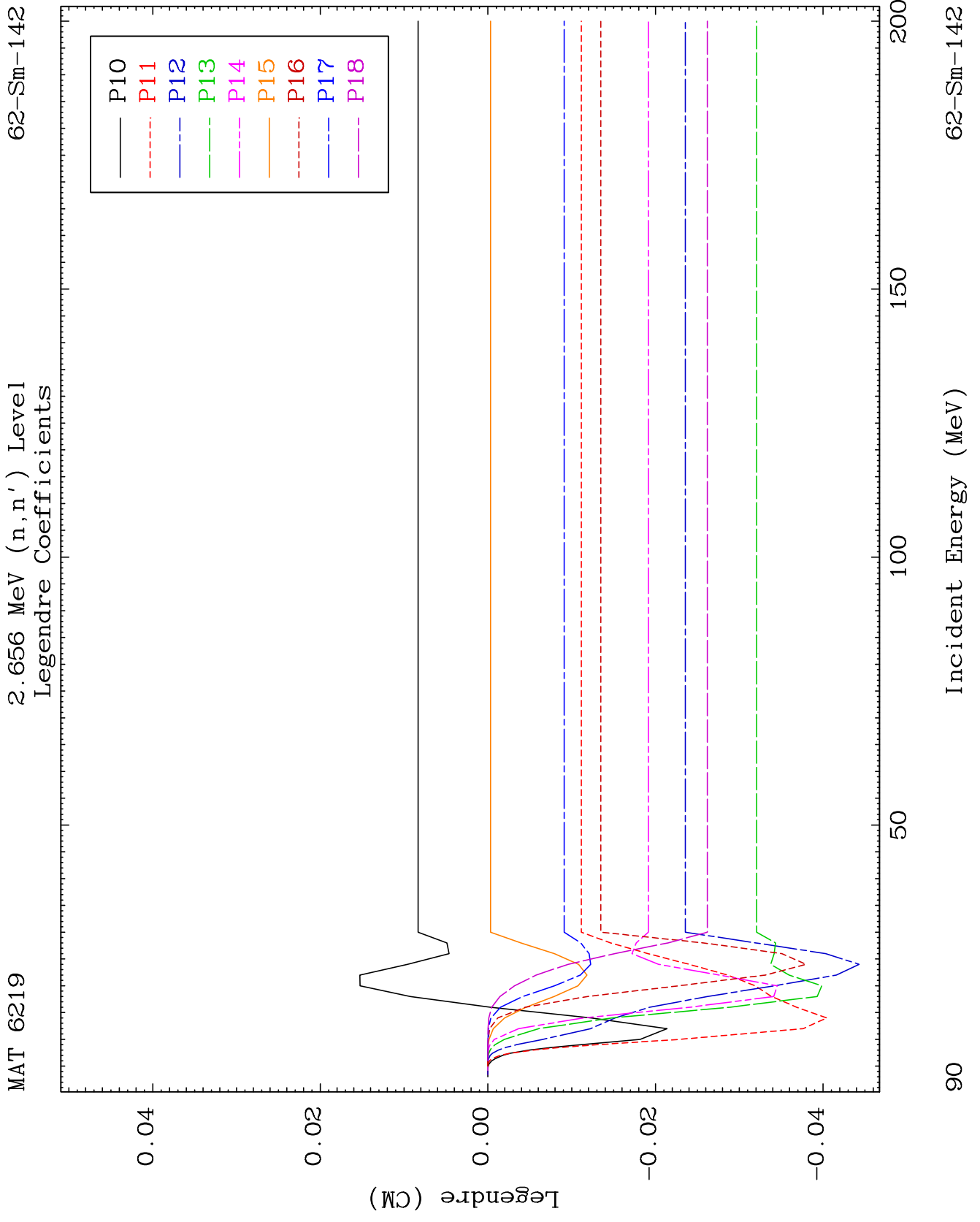
62-Sm-142

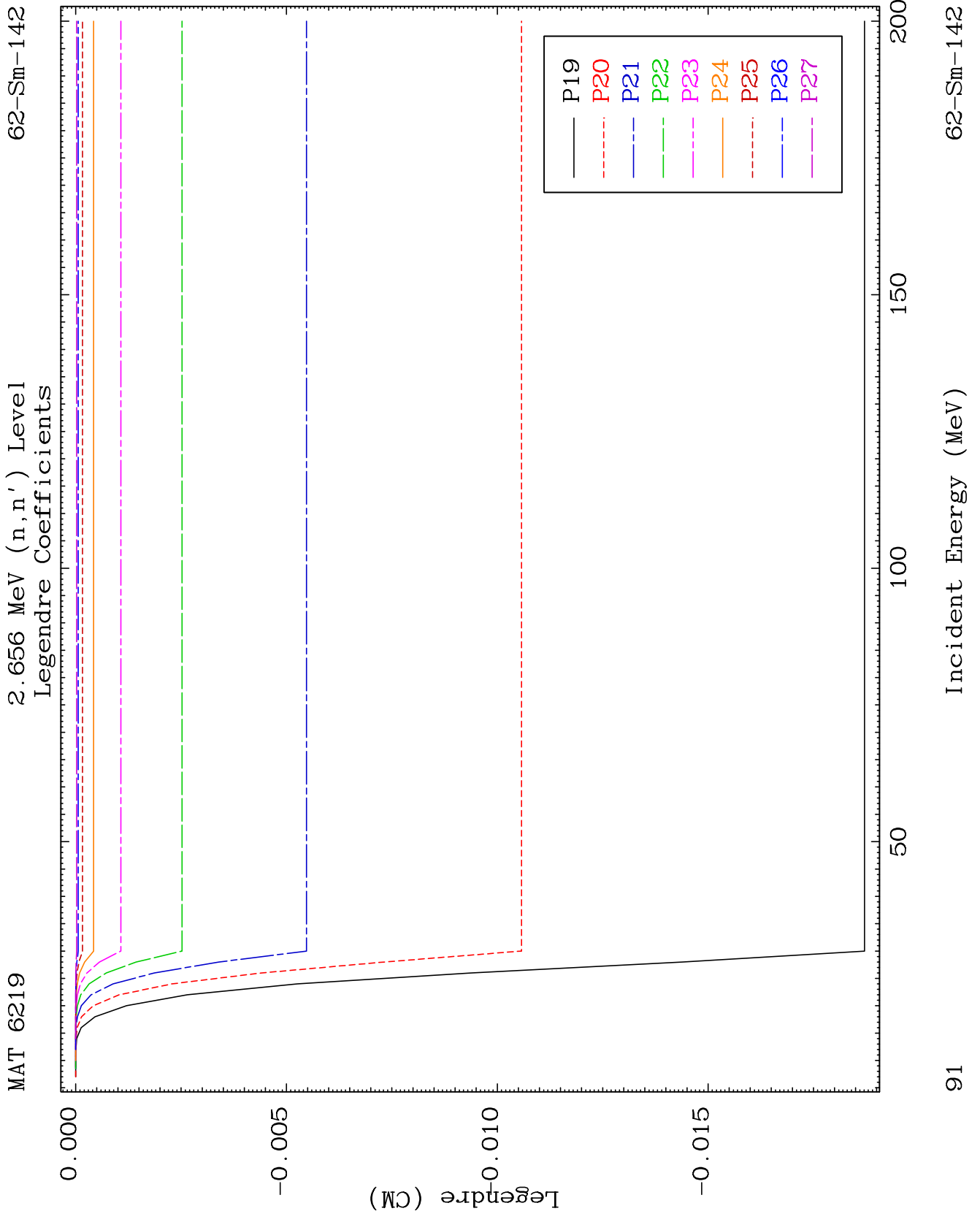


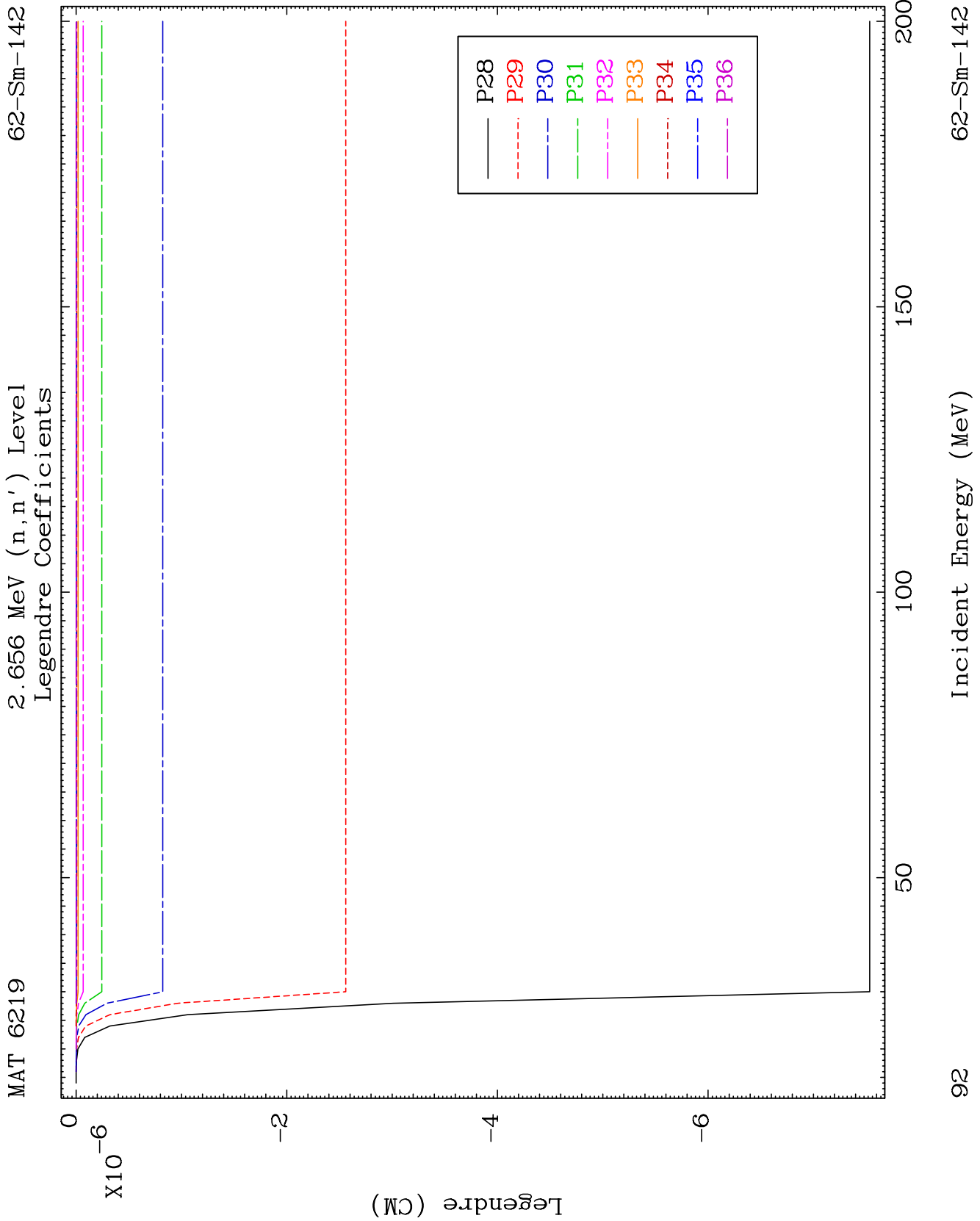
89

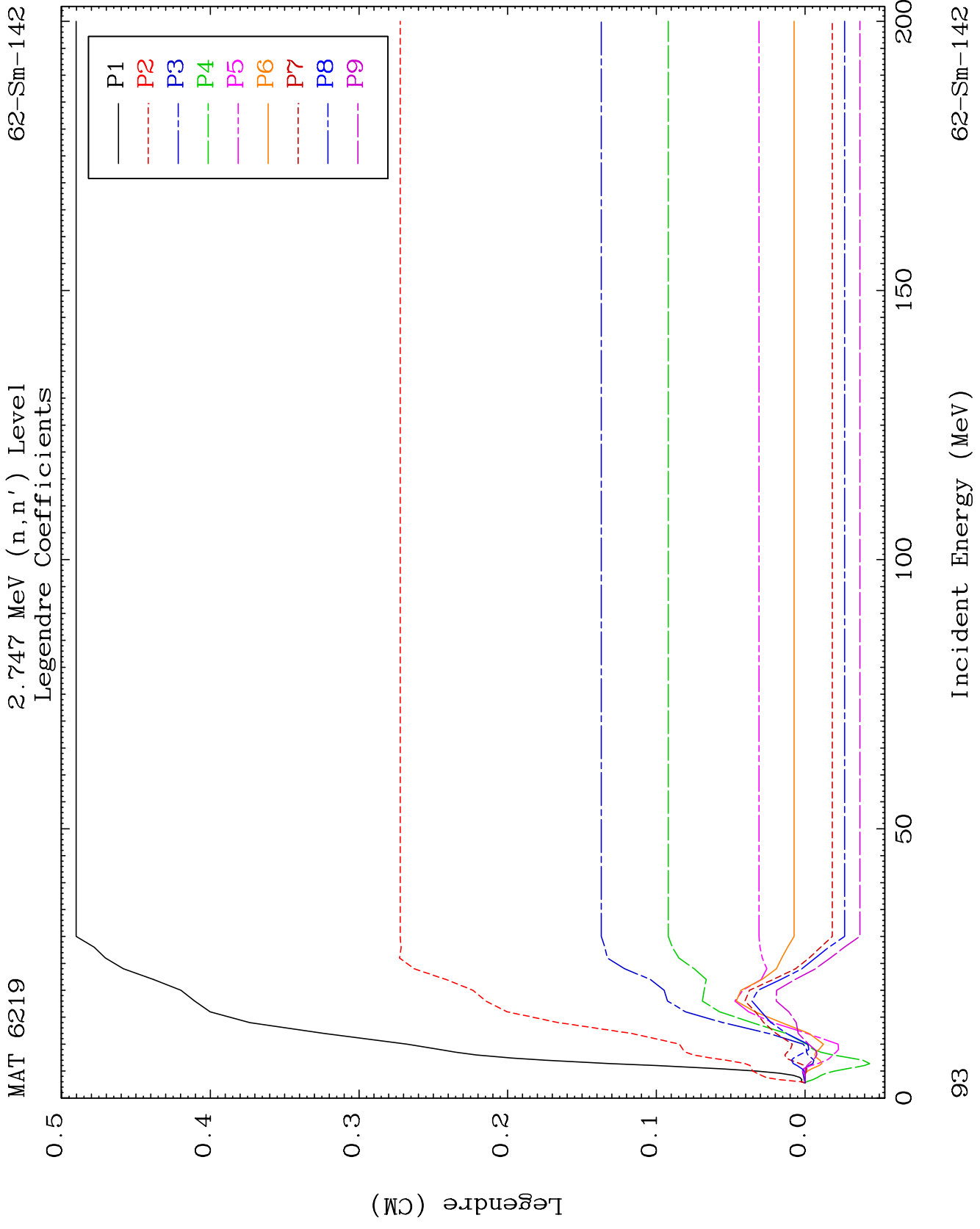
Incident Energy (MeV)

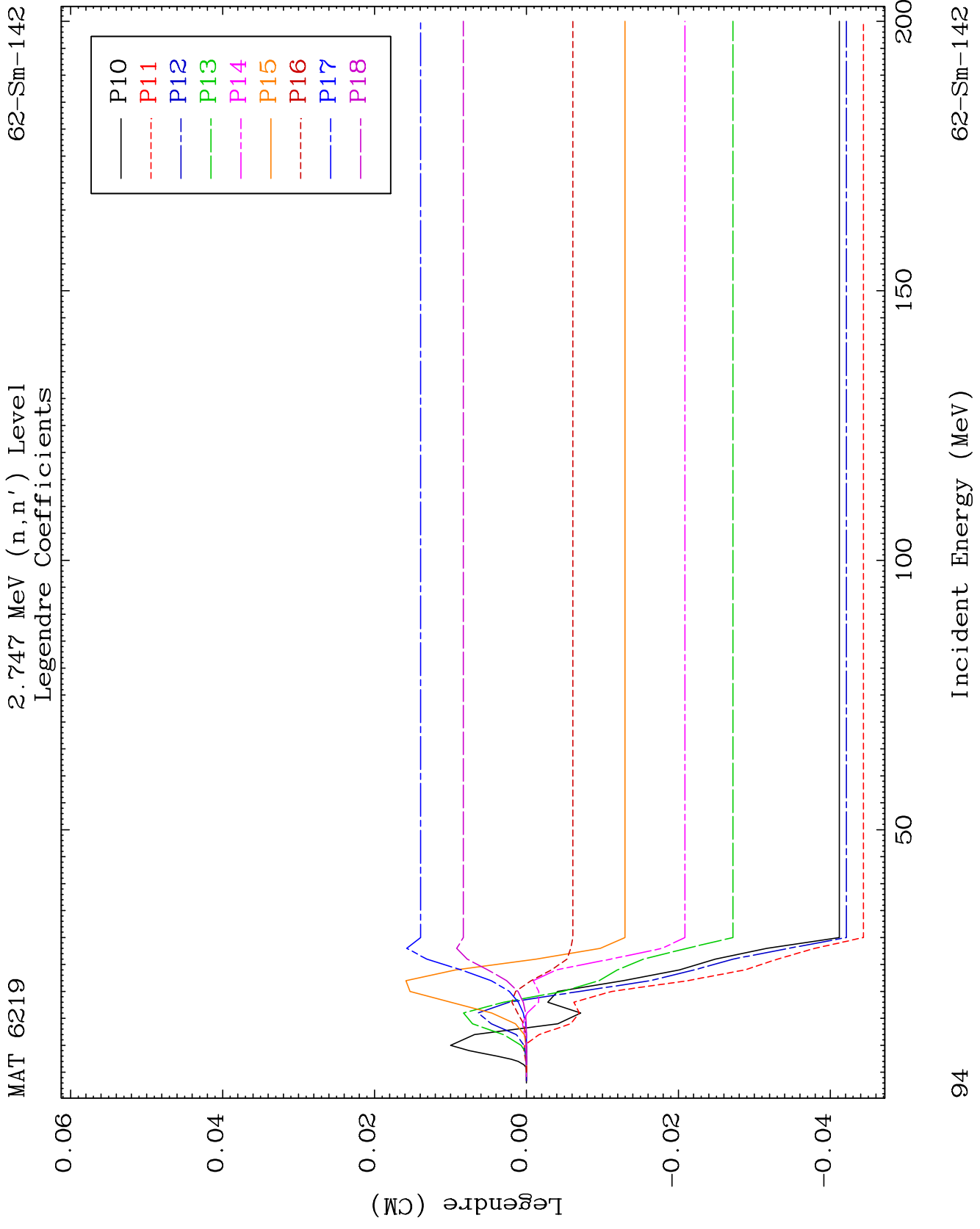
62-Sm-142







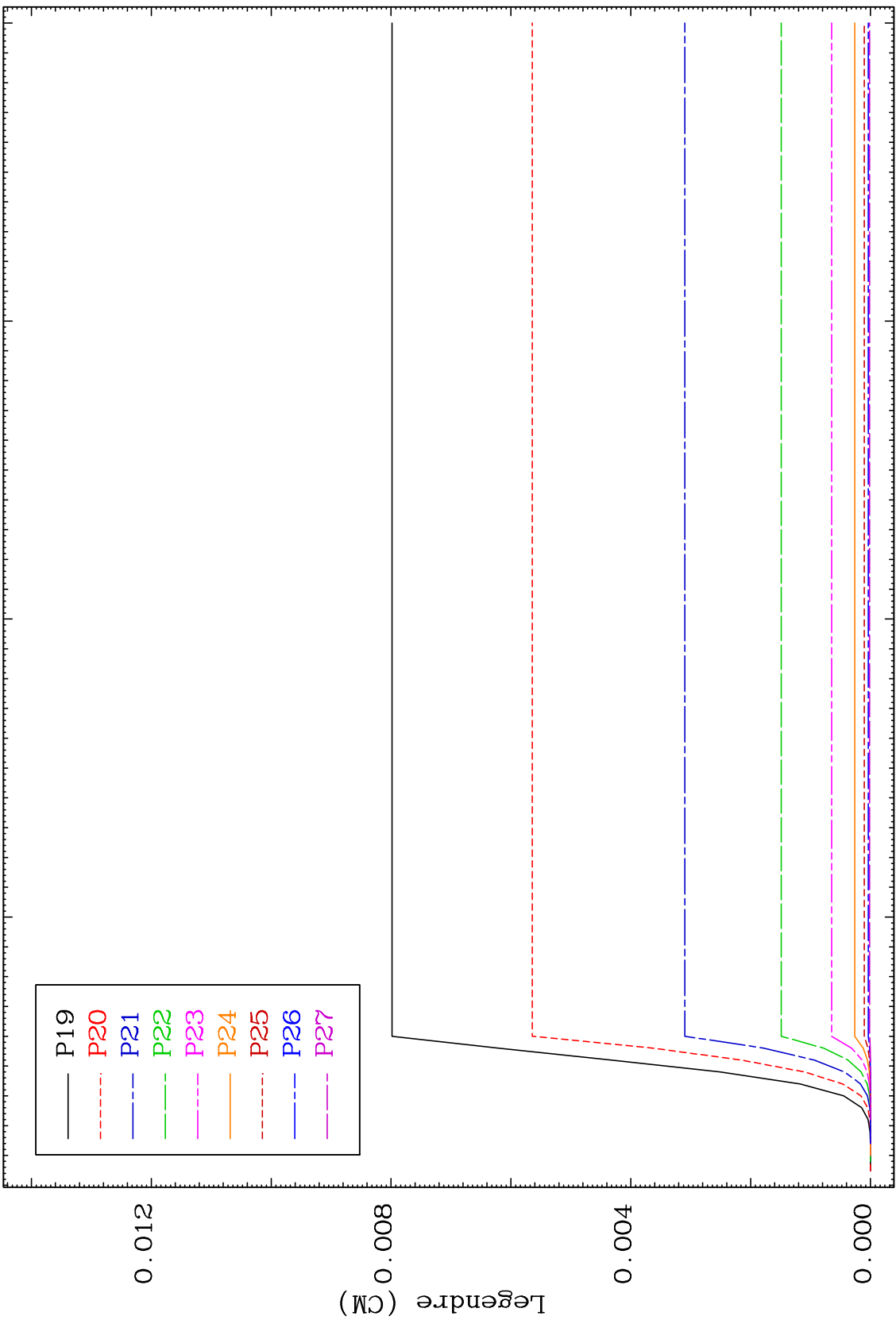




MAT 6219

2.747 MeV (n,n') Level
Legendre Coefficients

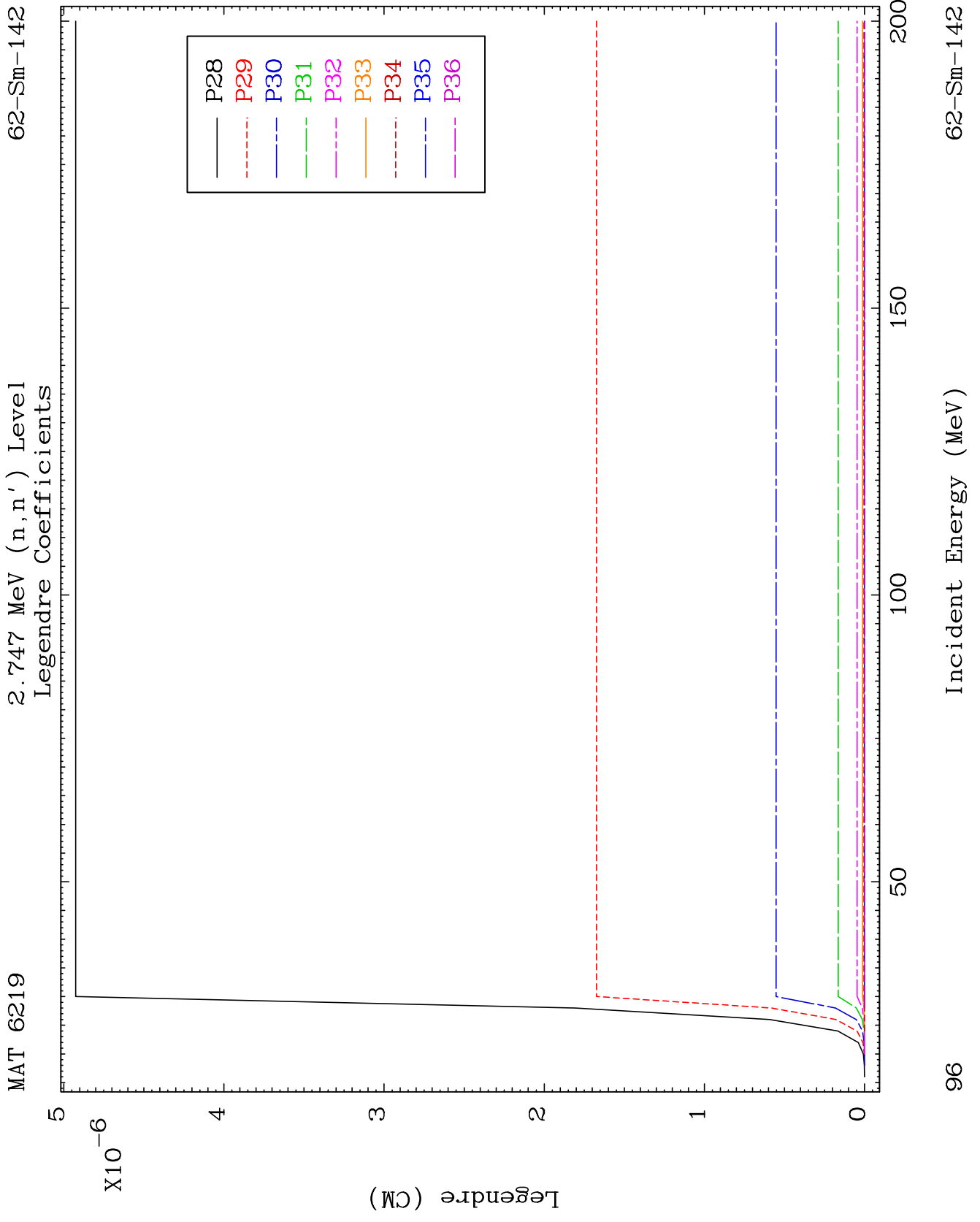
62-Sm-142



95

Incident Energy (MeV)

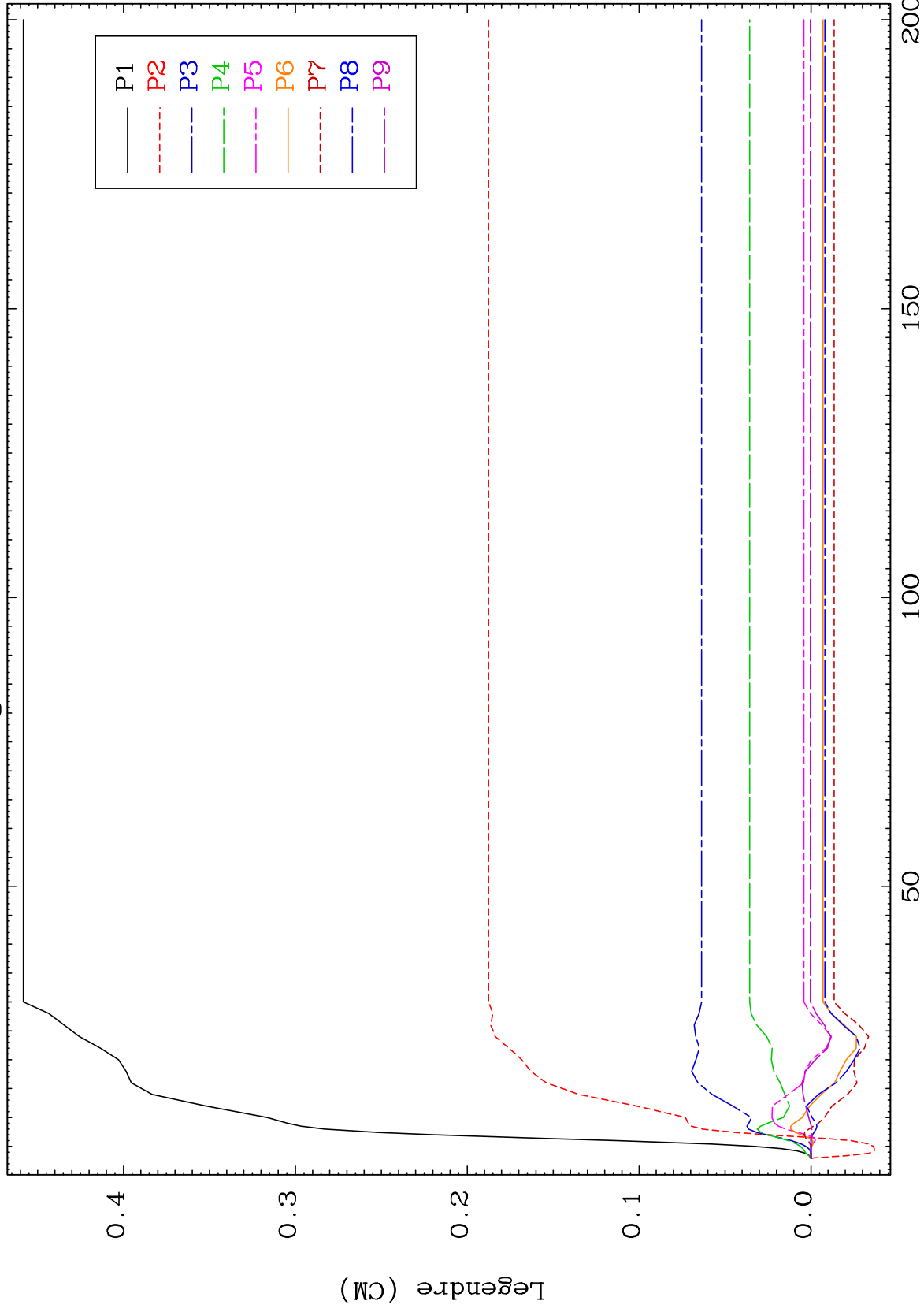
62-Sm-142



MAT 6219

2.867 MeV (n,n') Level
Legendre Coefficients

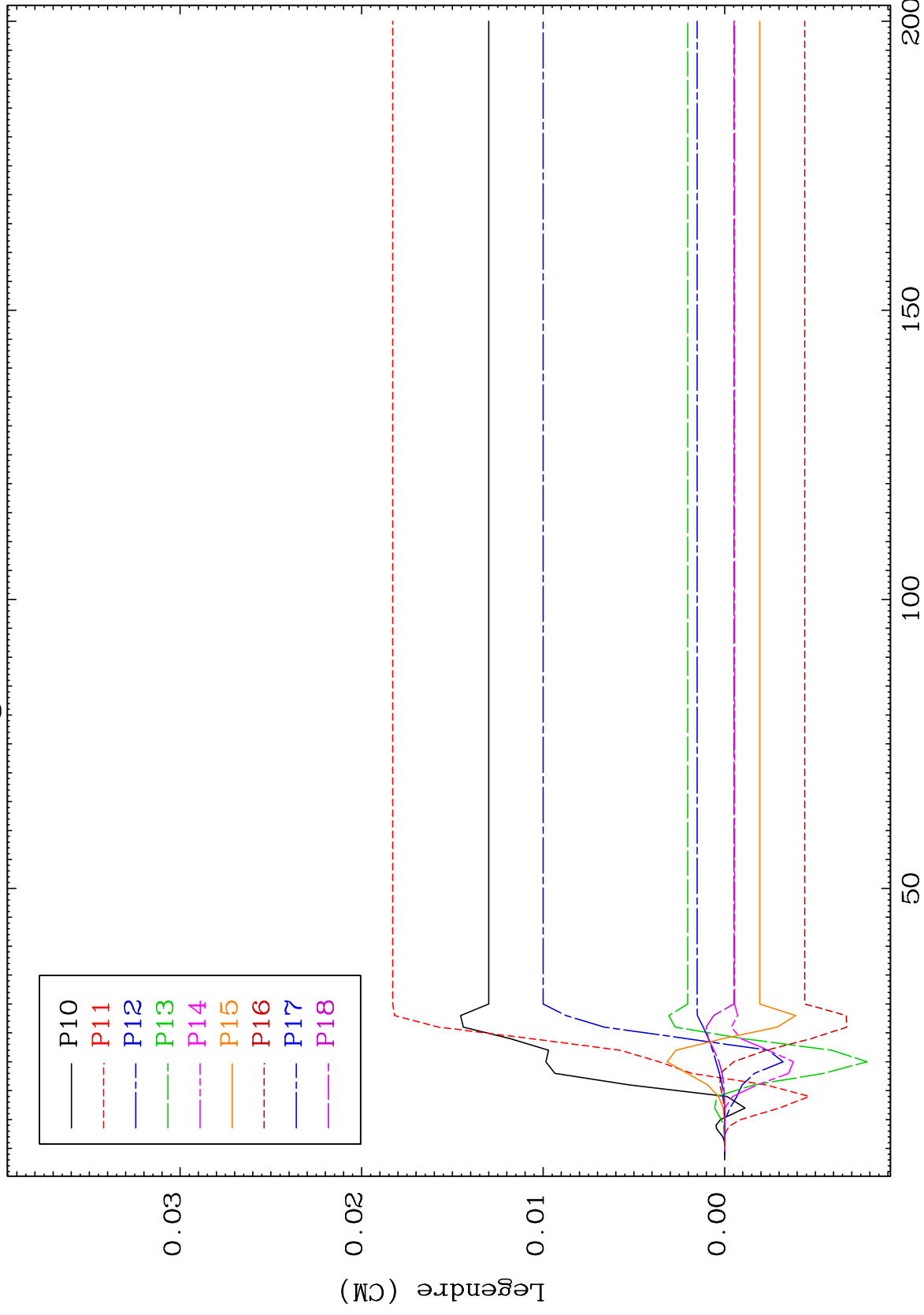
62-Sm-142



97

Incident Energy (MeV)

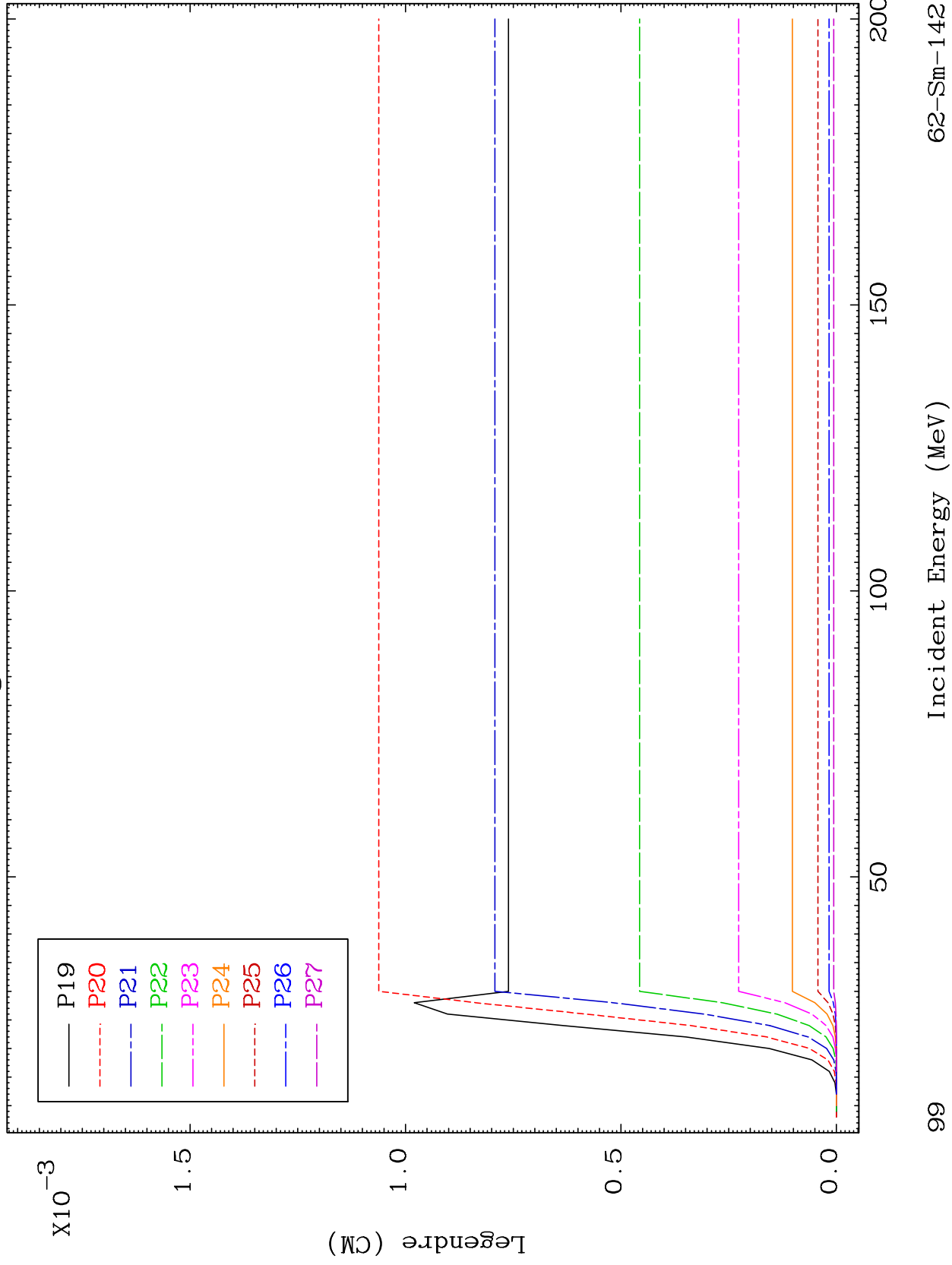
62-Sm-142



MAT 6219

2.867 MeV (n, n') Level
Legendre Coefficients

62-Sm-142

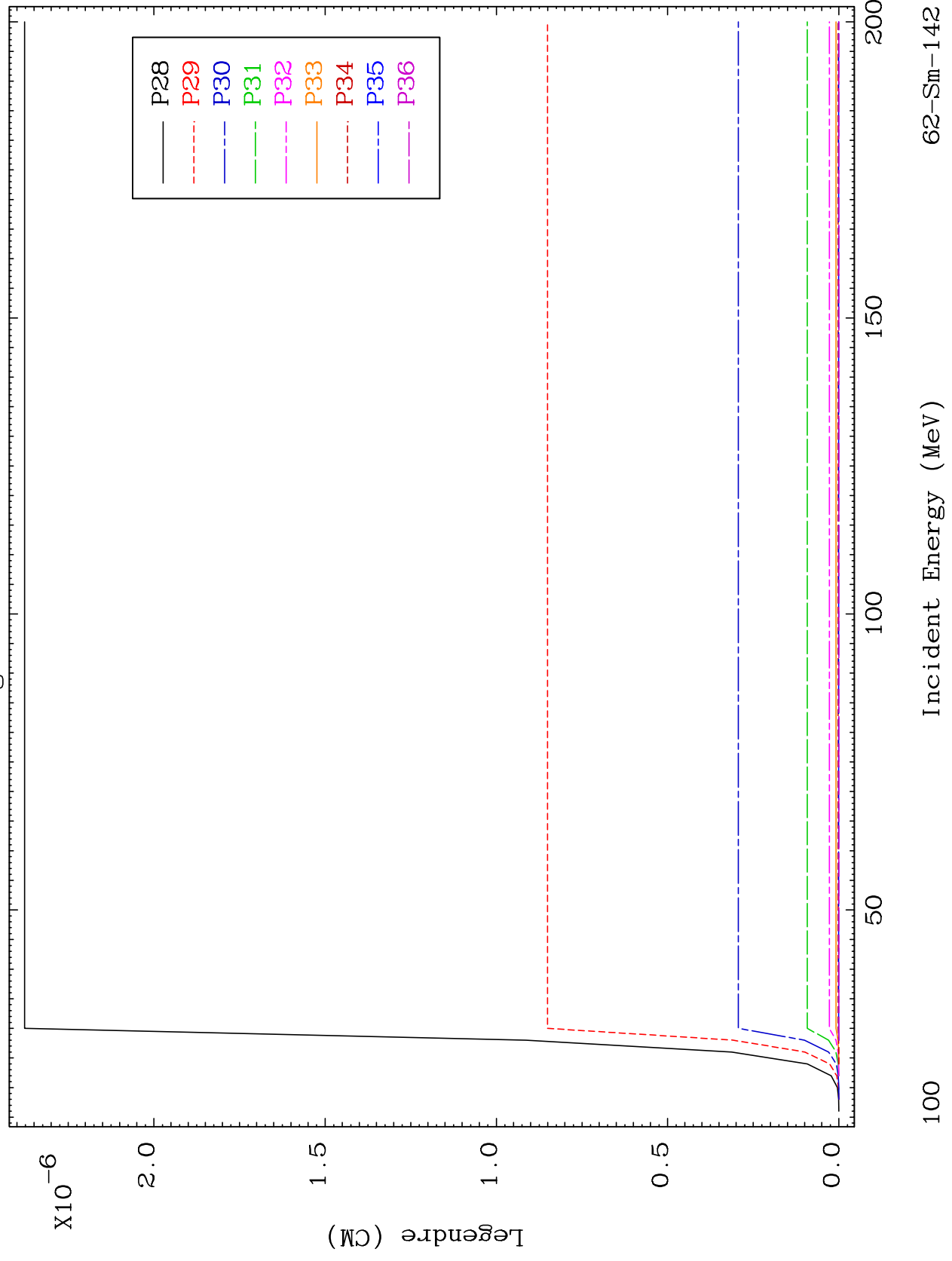


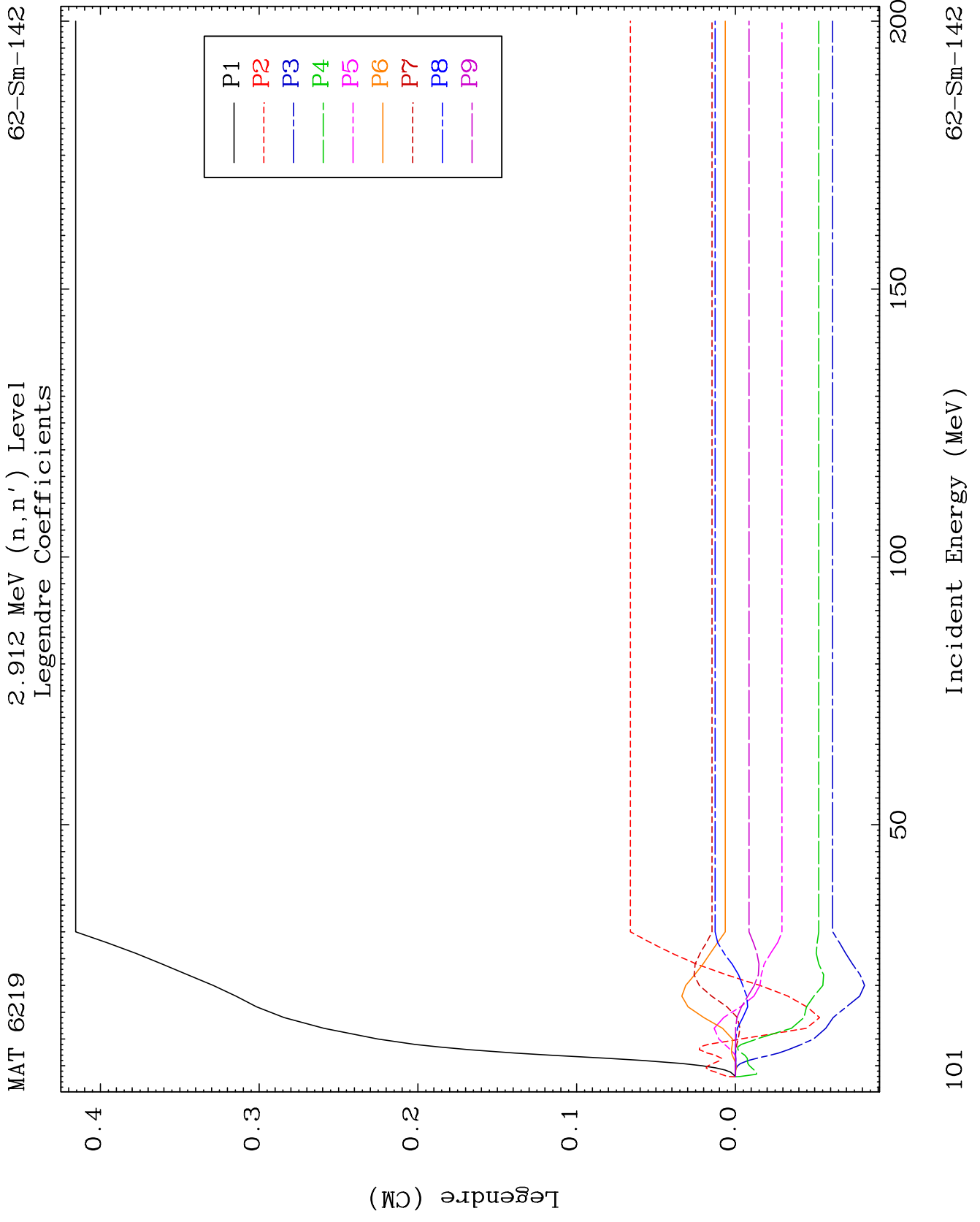
99

MAT 6219

2.867 MeV (n, n') Level
Legendre Coefficients

62-Sm-142

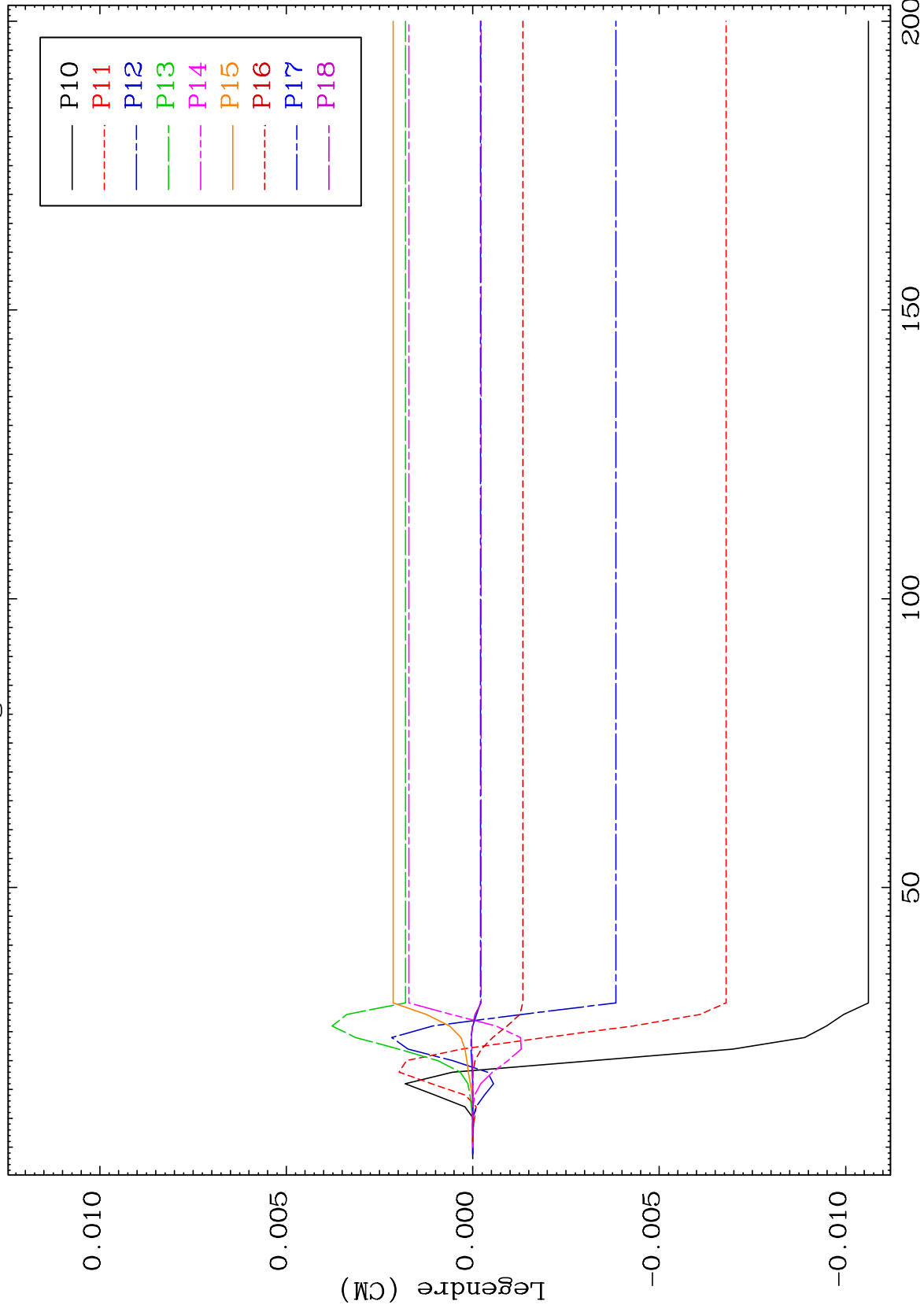




MAT 6219

2.912 MeV (n,n') Level
Legendre Coefficients

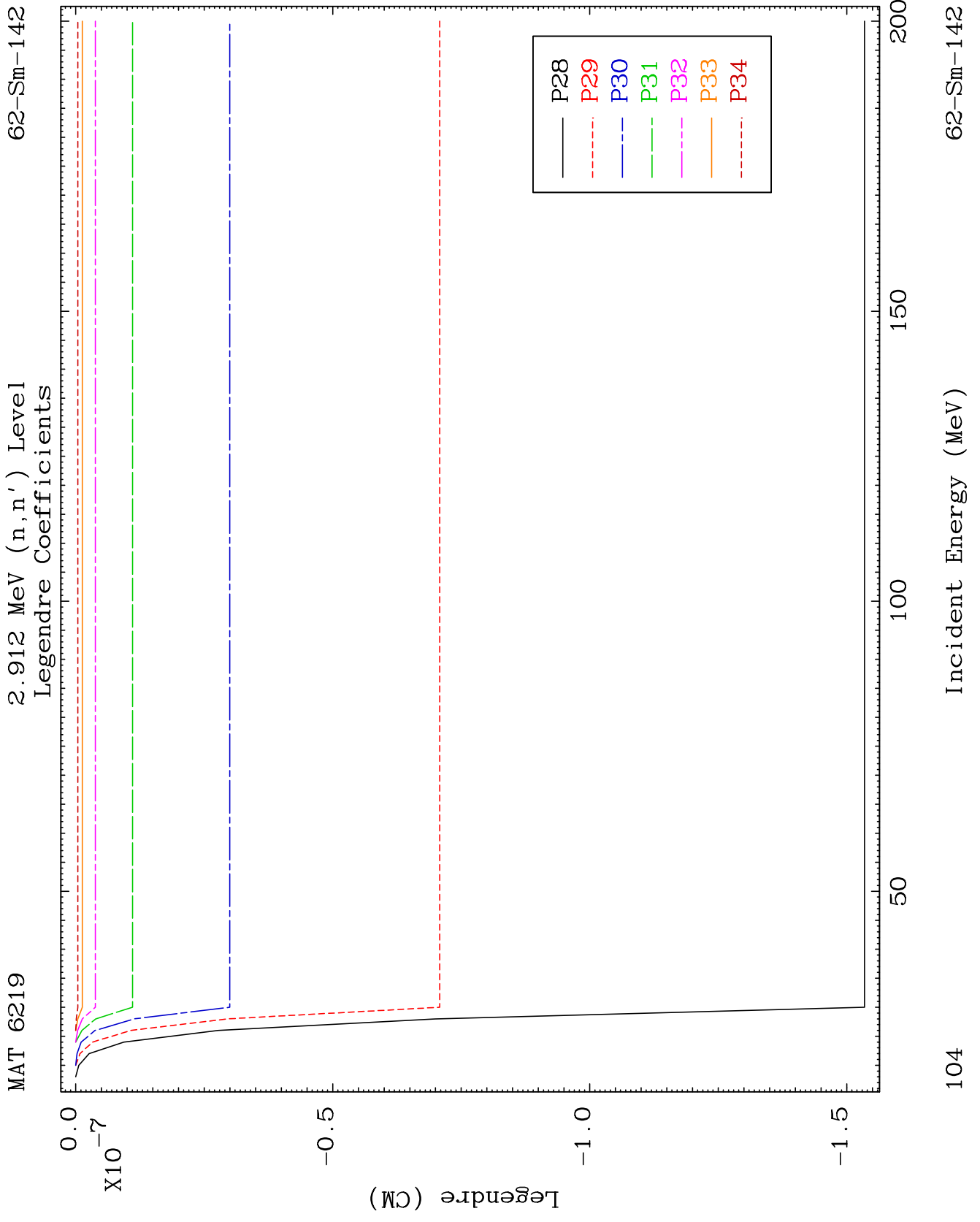
62-Sm-142



102

Incident Energy (MeV)

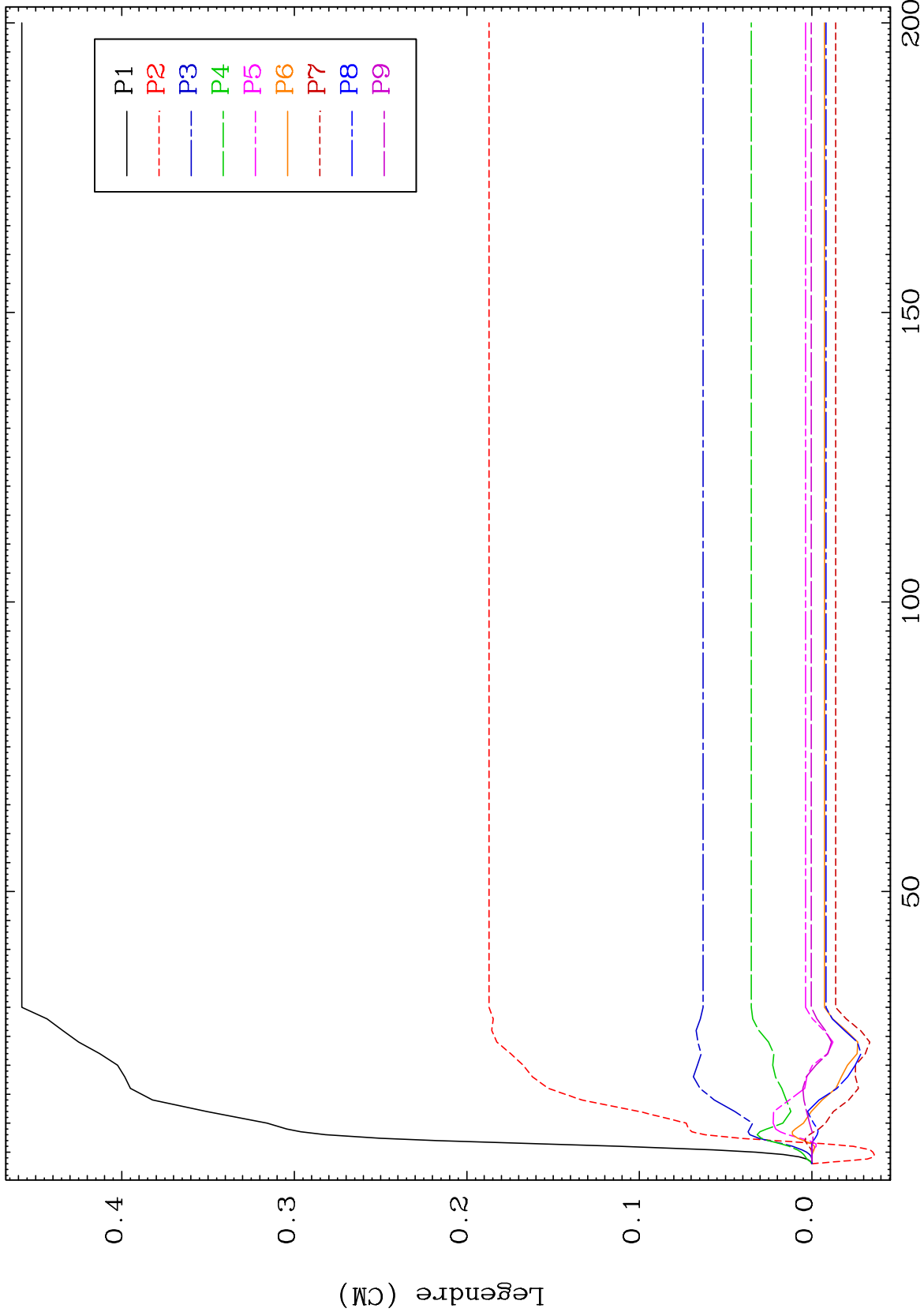
62-Sm-142



MAT 6219

2.955 MeV (n,n') Level
Legendre Coefficients

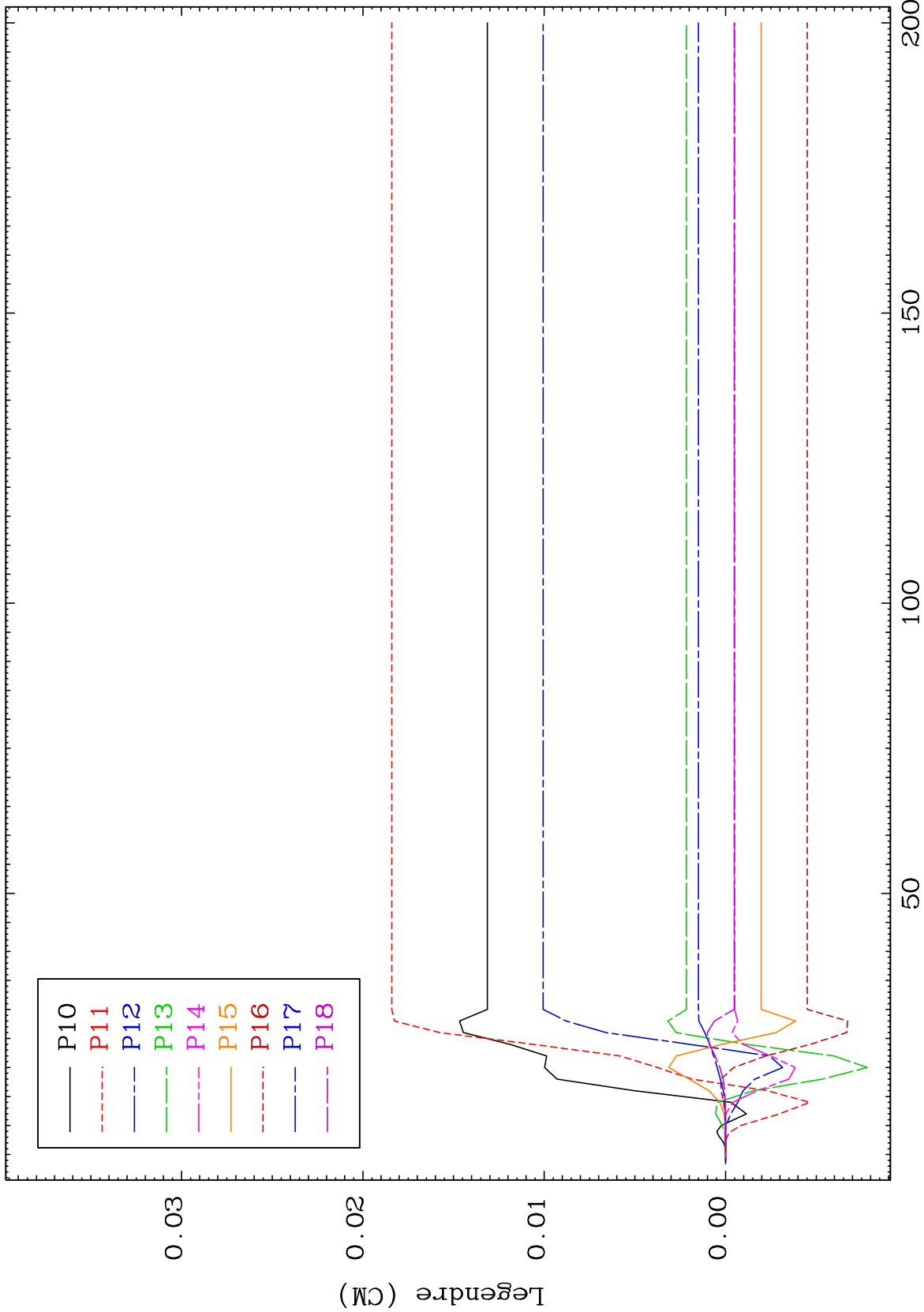
62-Sm-142



105

Incident Energy (MeV)

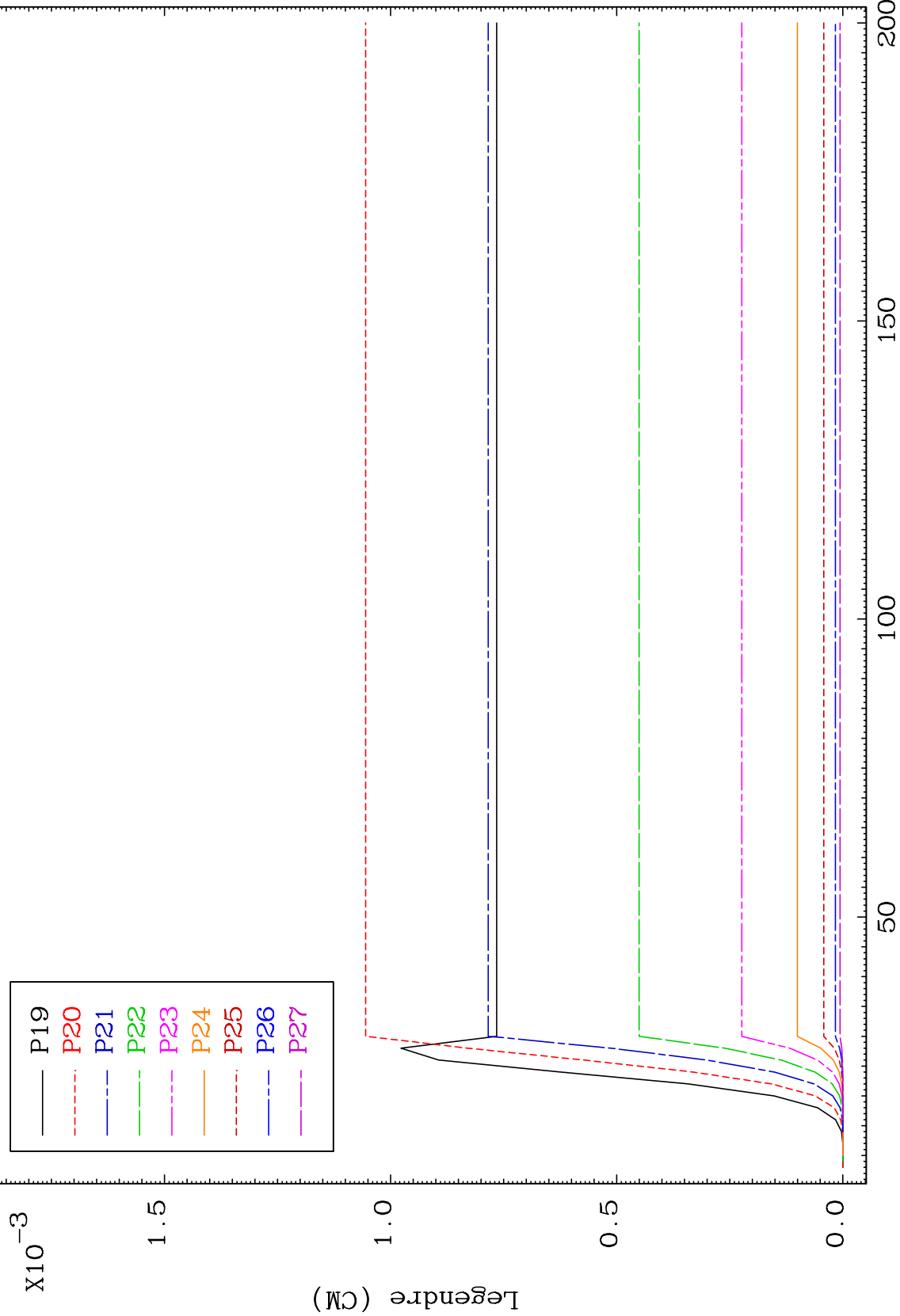
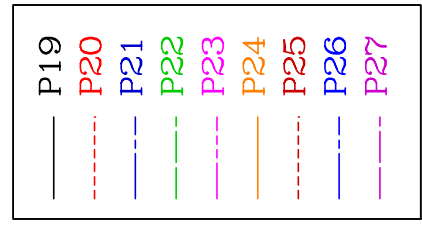
62-Sm-142



MAT 6219

2.955 MeV (n,n') Level
Legendre Coefficients

62-Sm-142



107

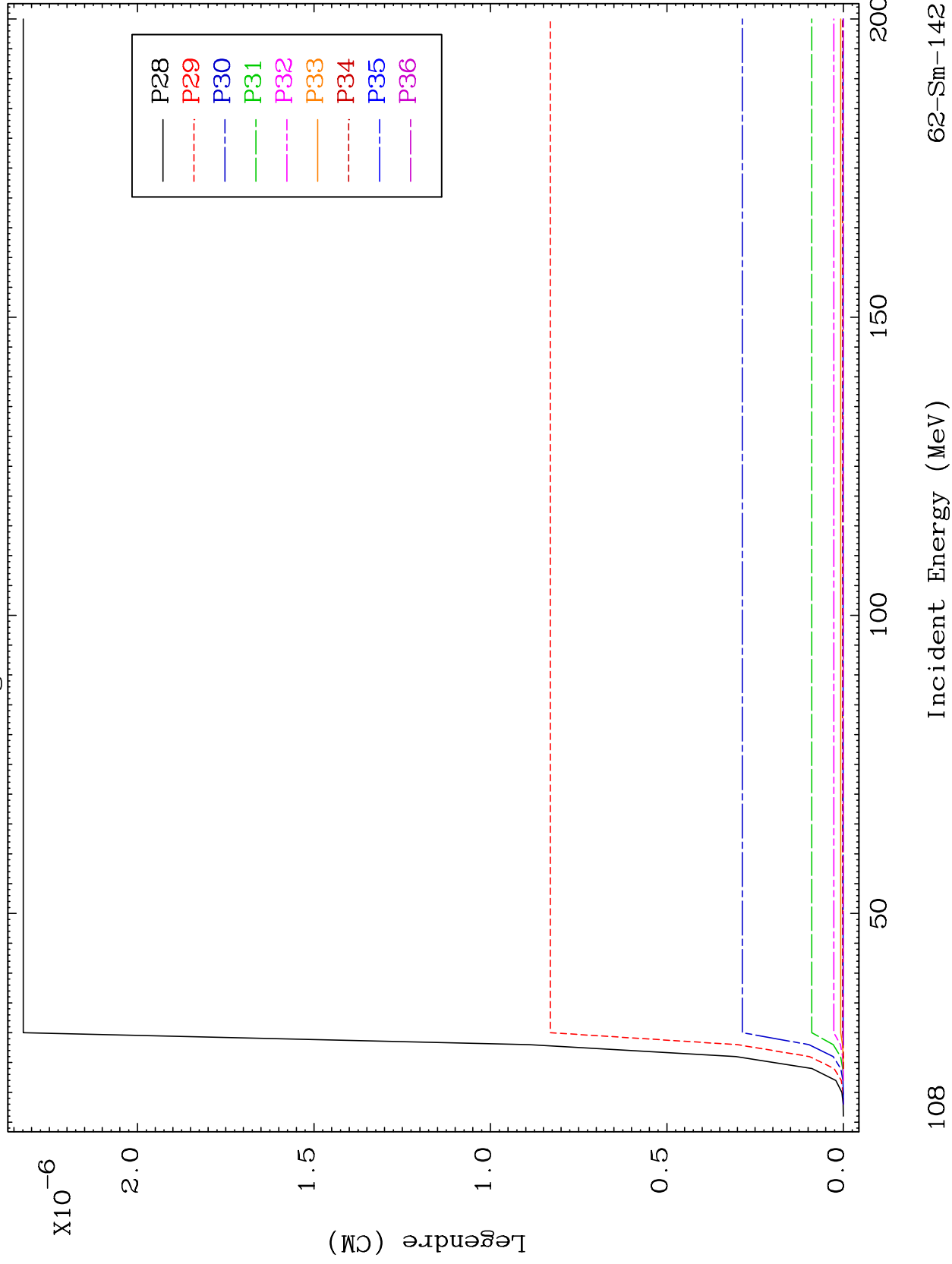
Incident Energy (MeV)

62-Sm-142

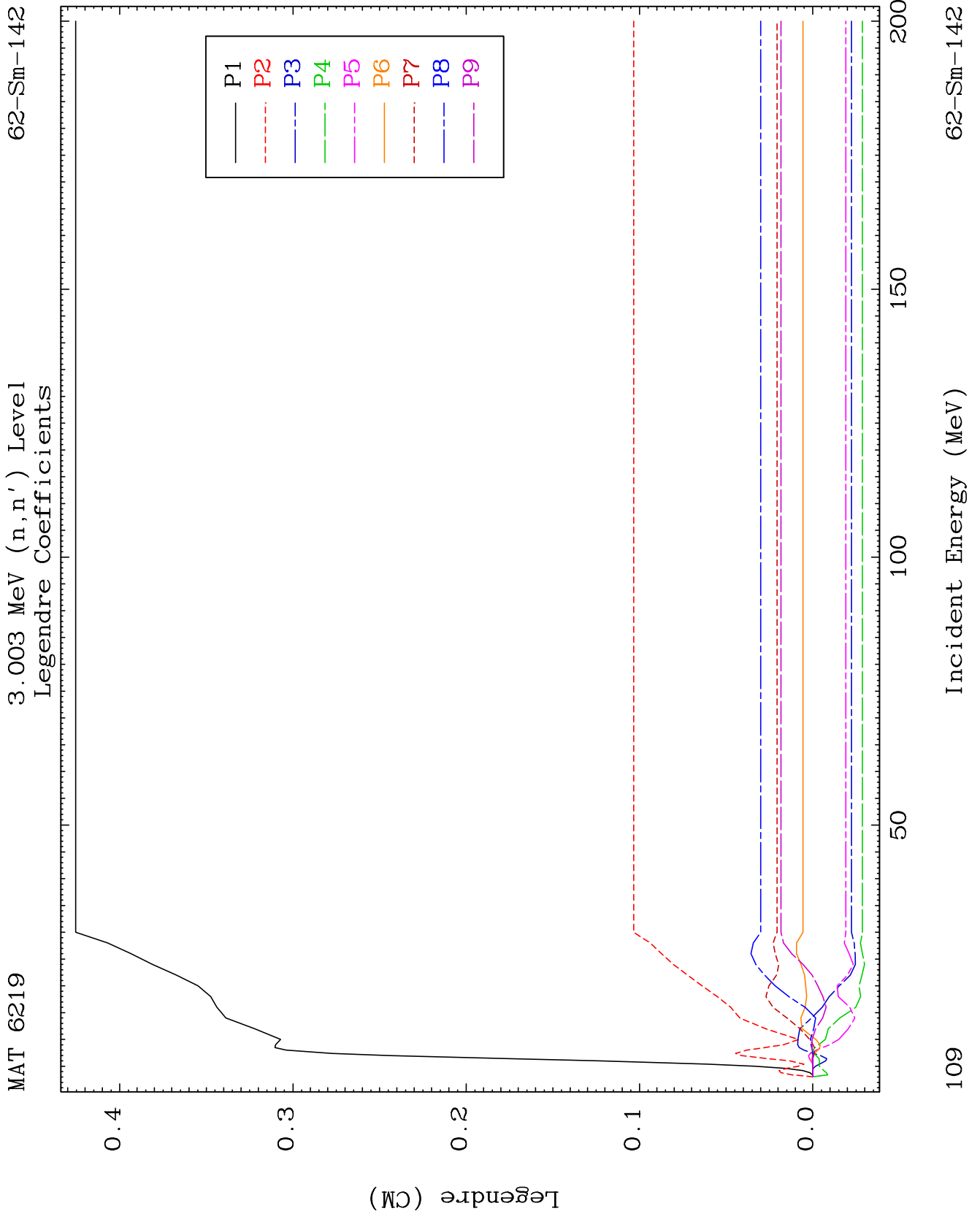
MAT 6219

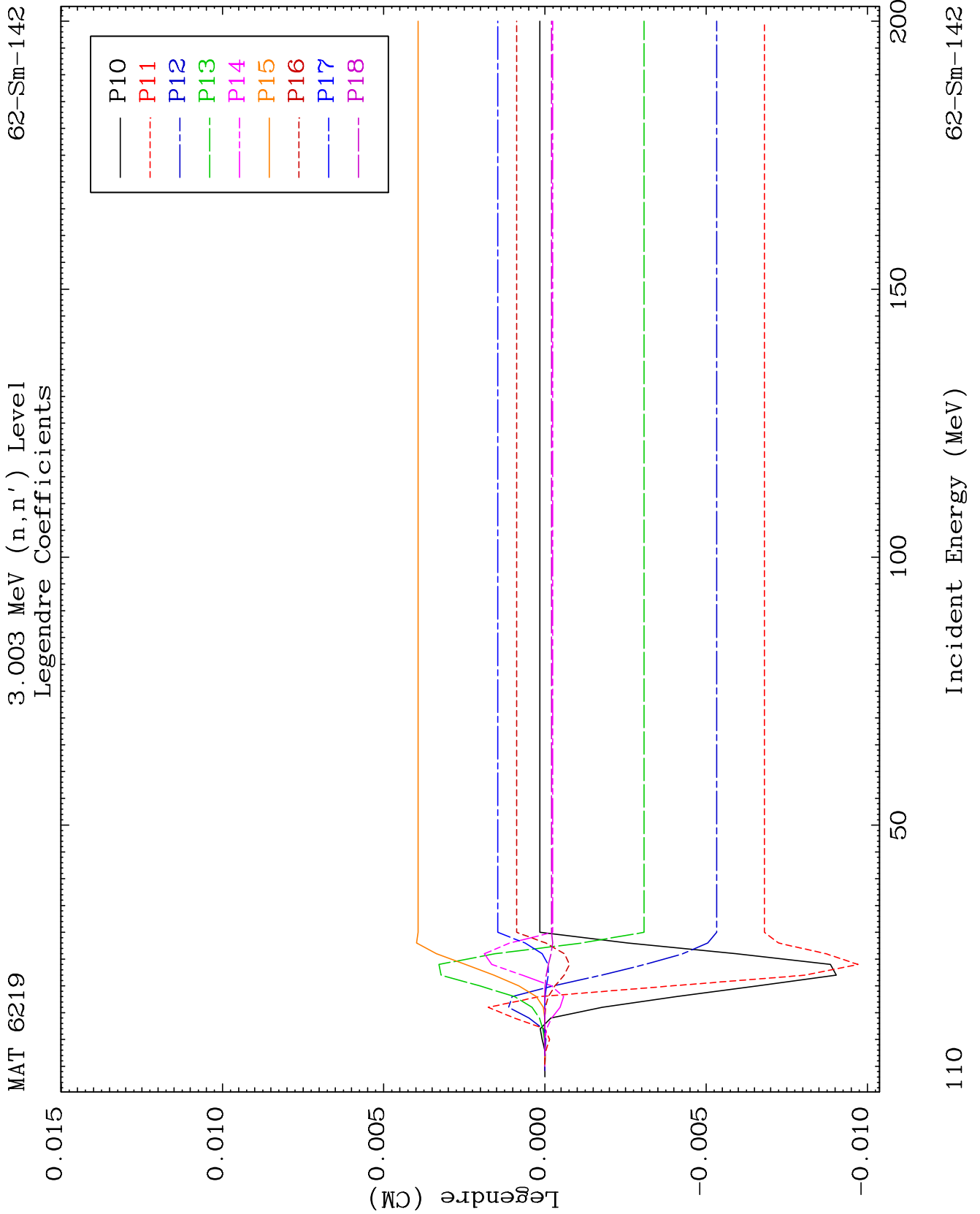
2.955 MeV (n,n') Level
Legendre Coefficients

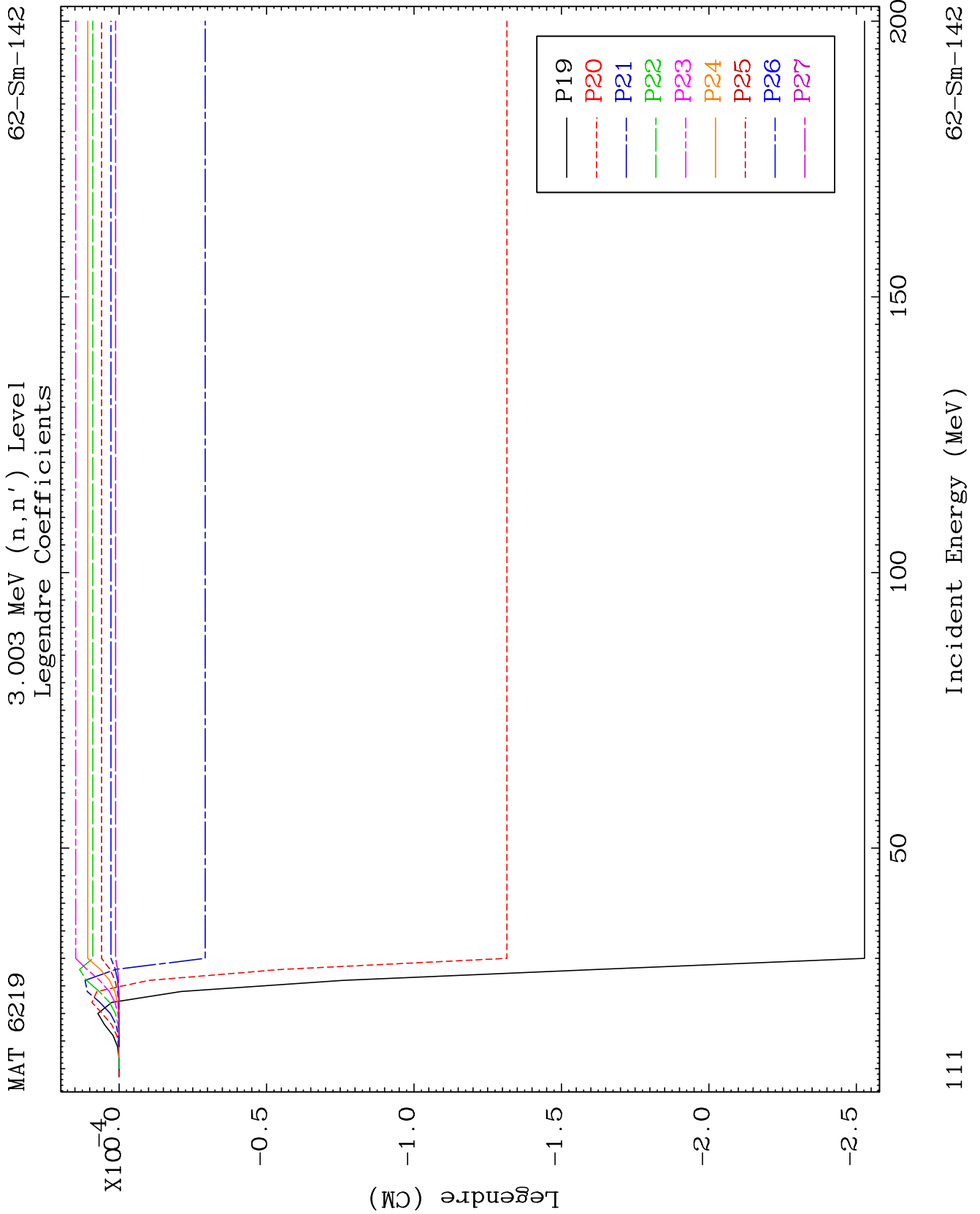
62-Sm-142

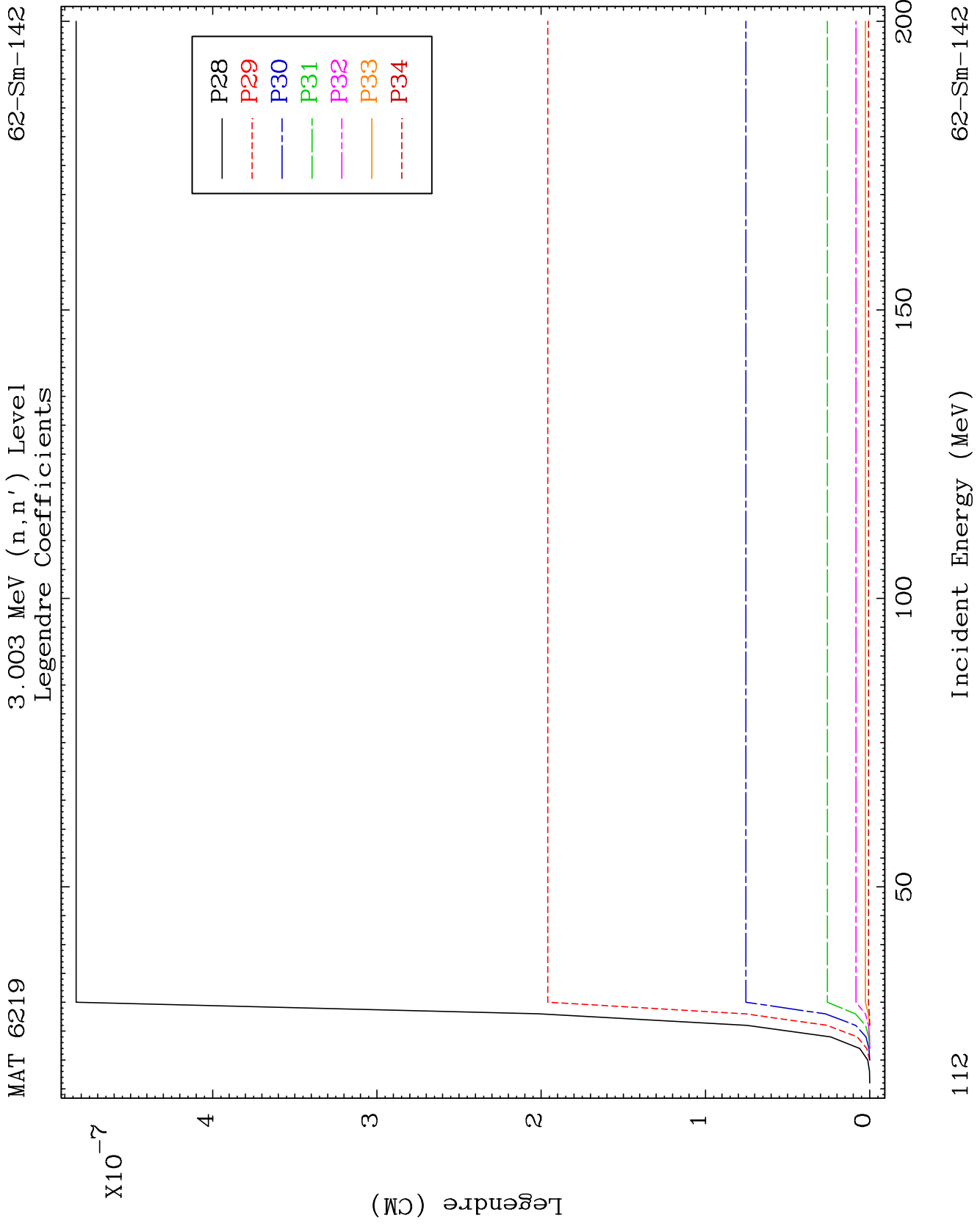


108





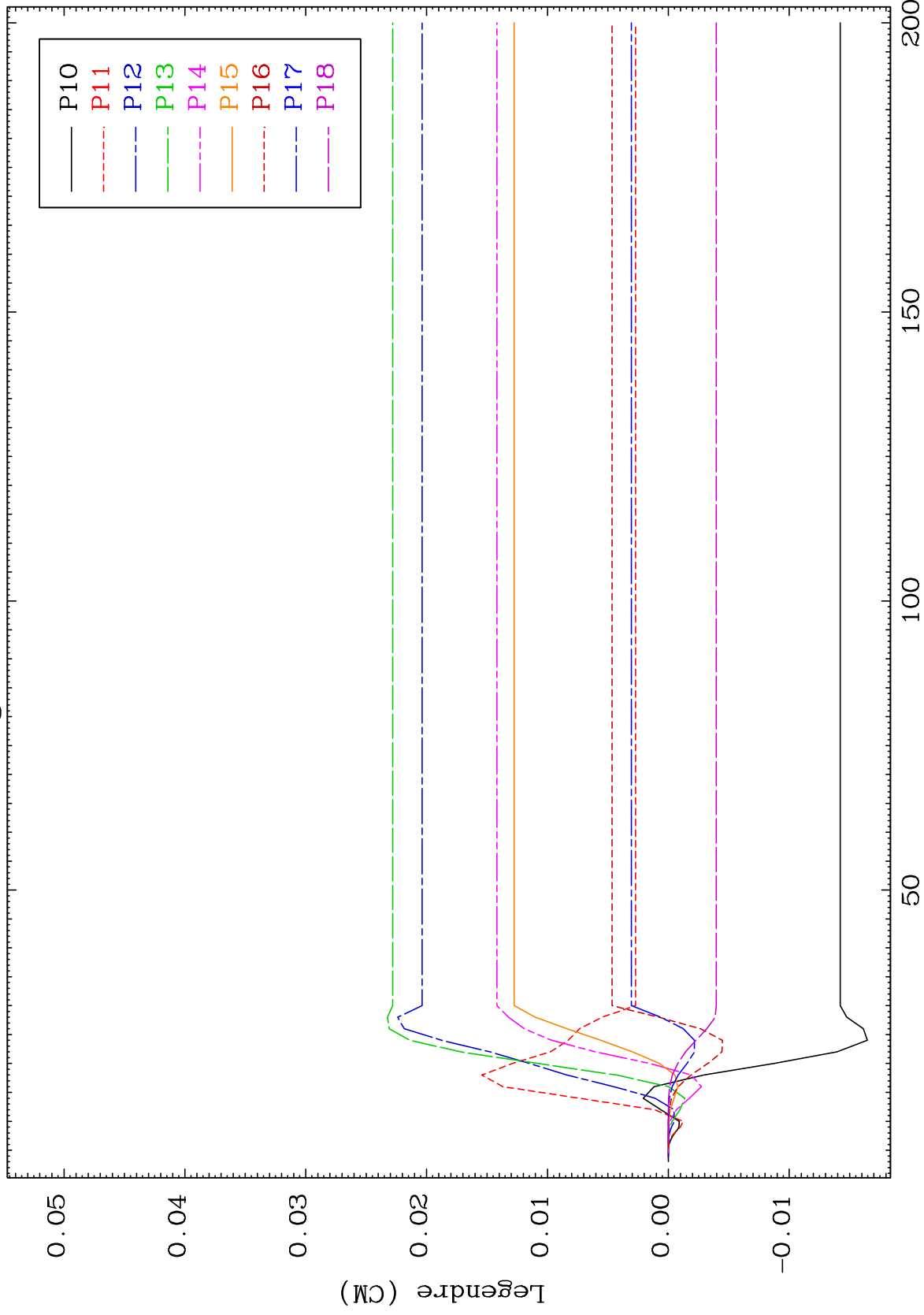




MAT 6219

3.007 MeV (n,n') Level
Legendre Coefficients

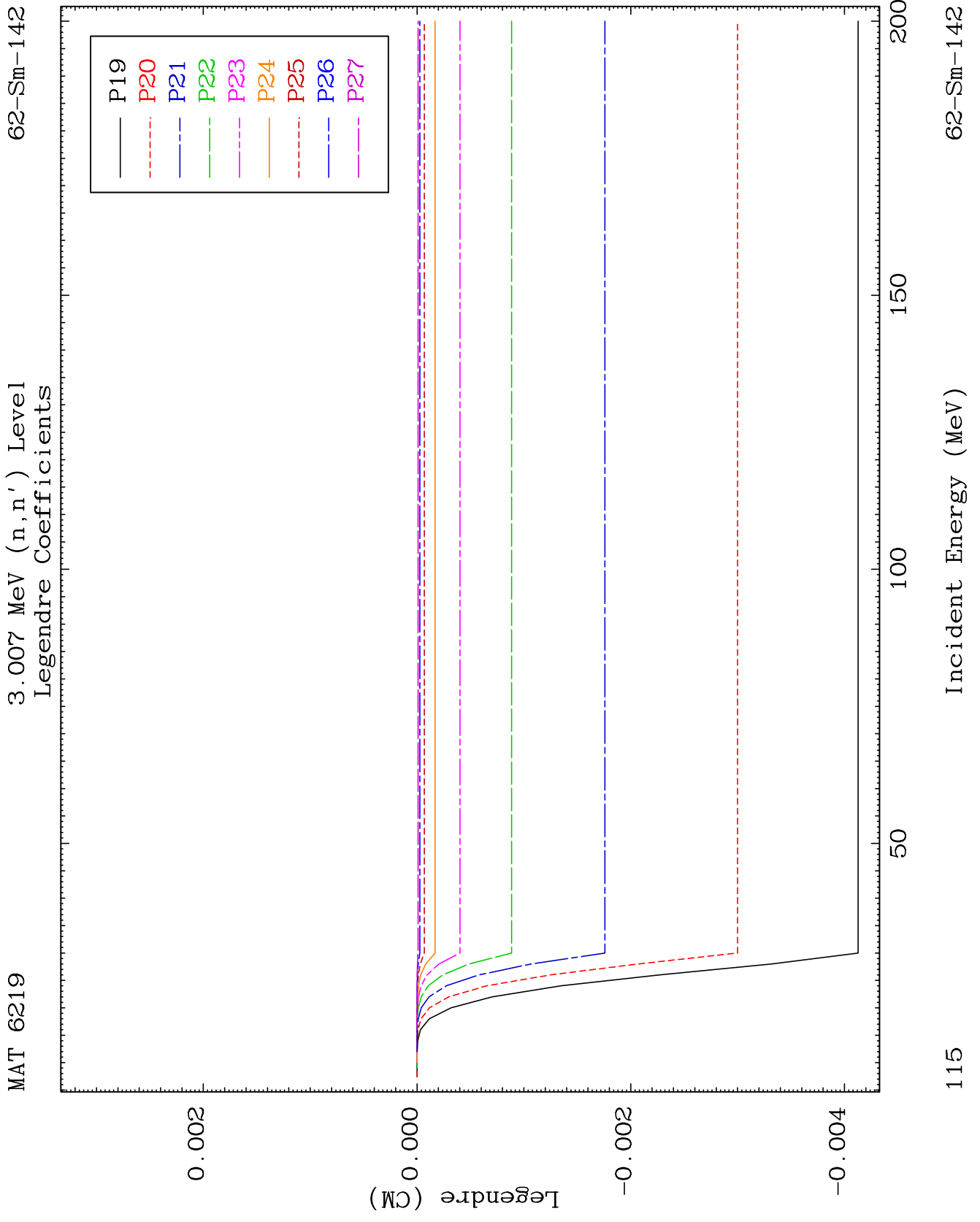
62-Sm-142

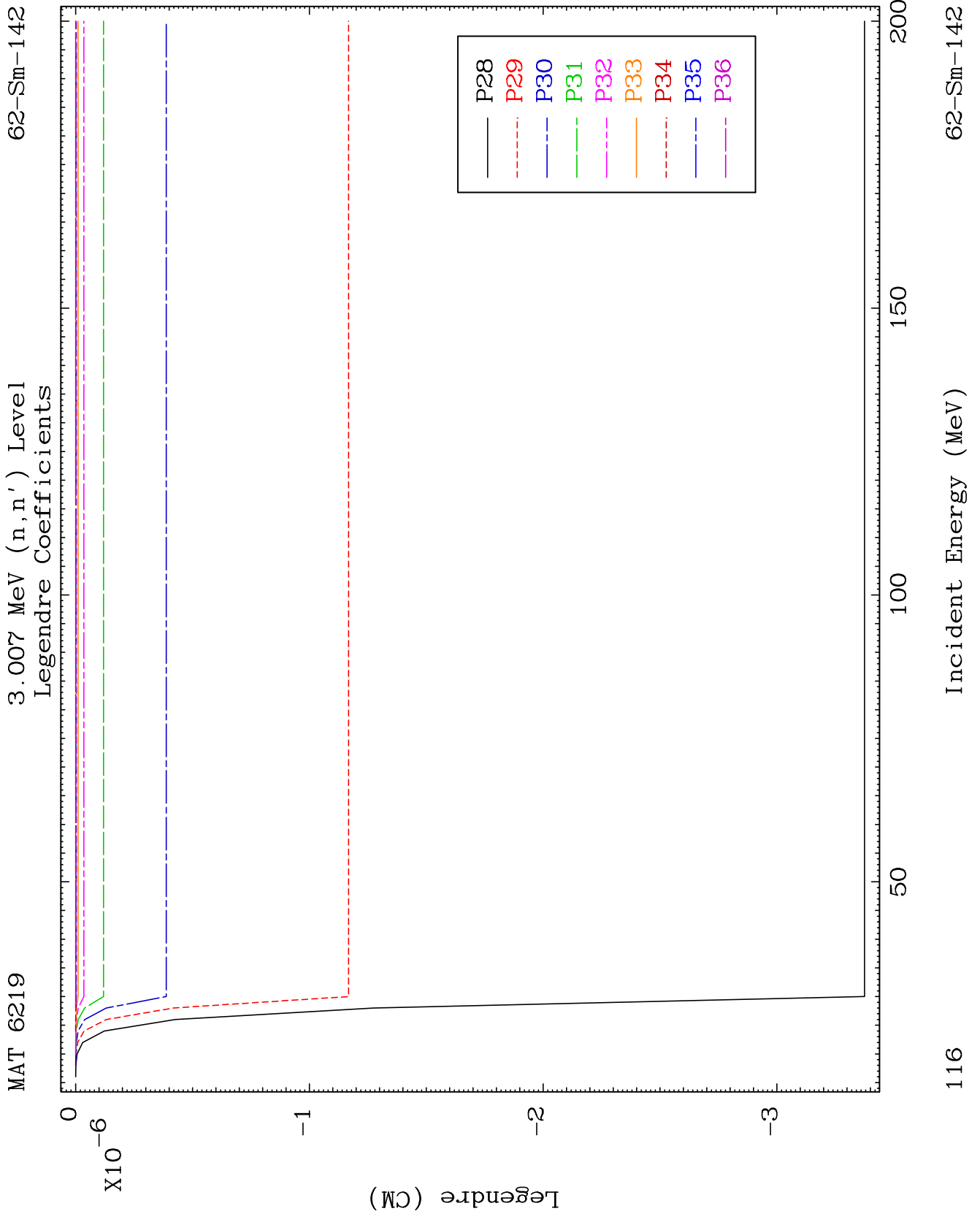


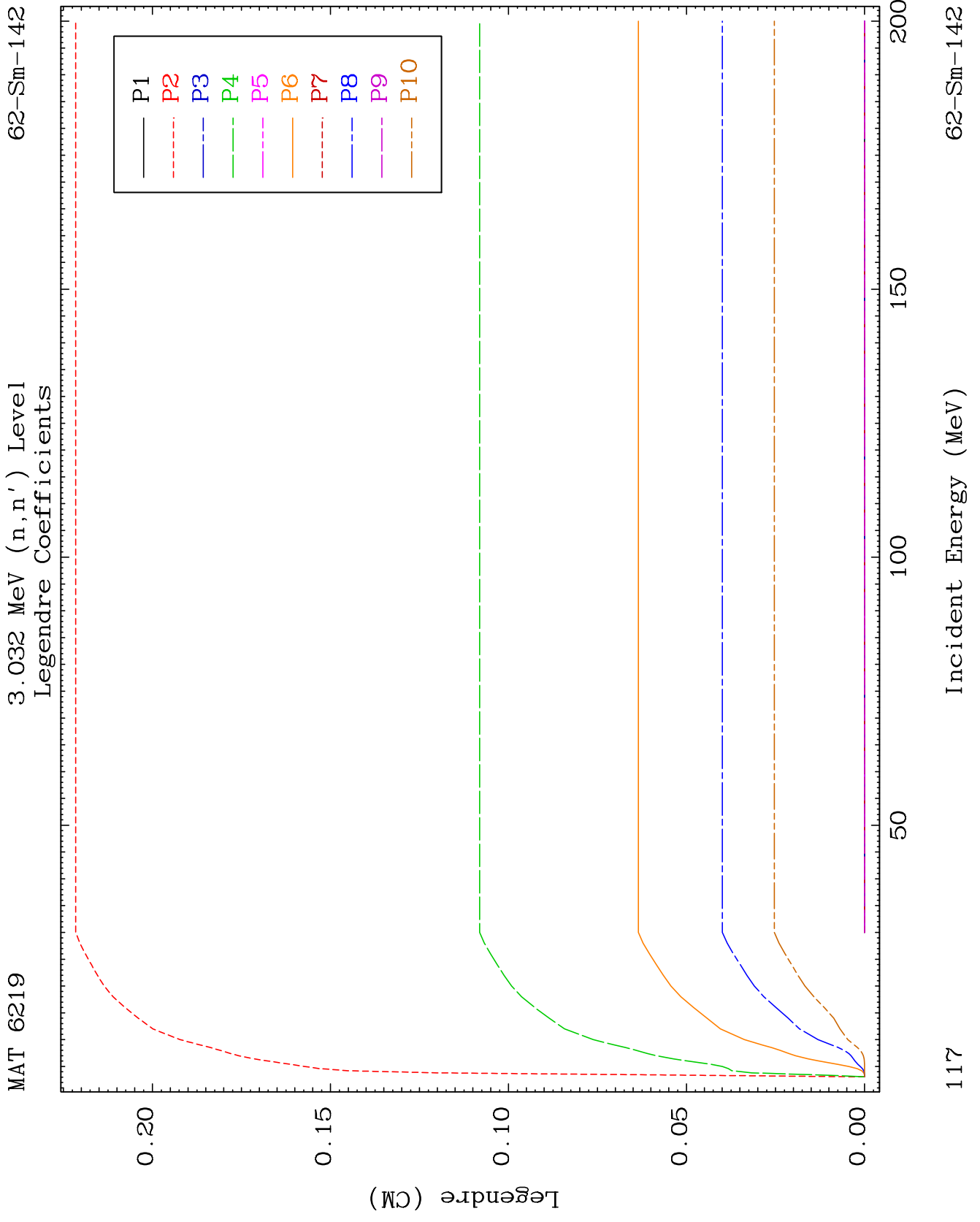
114

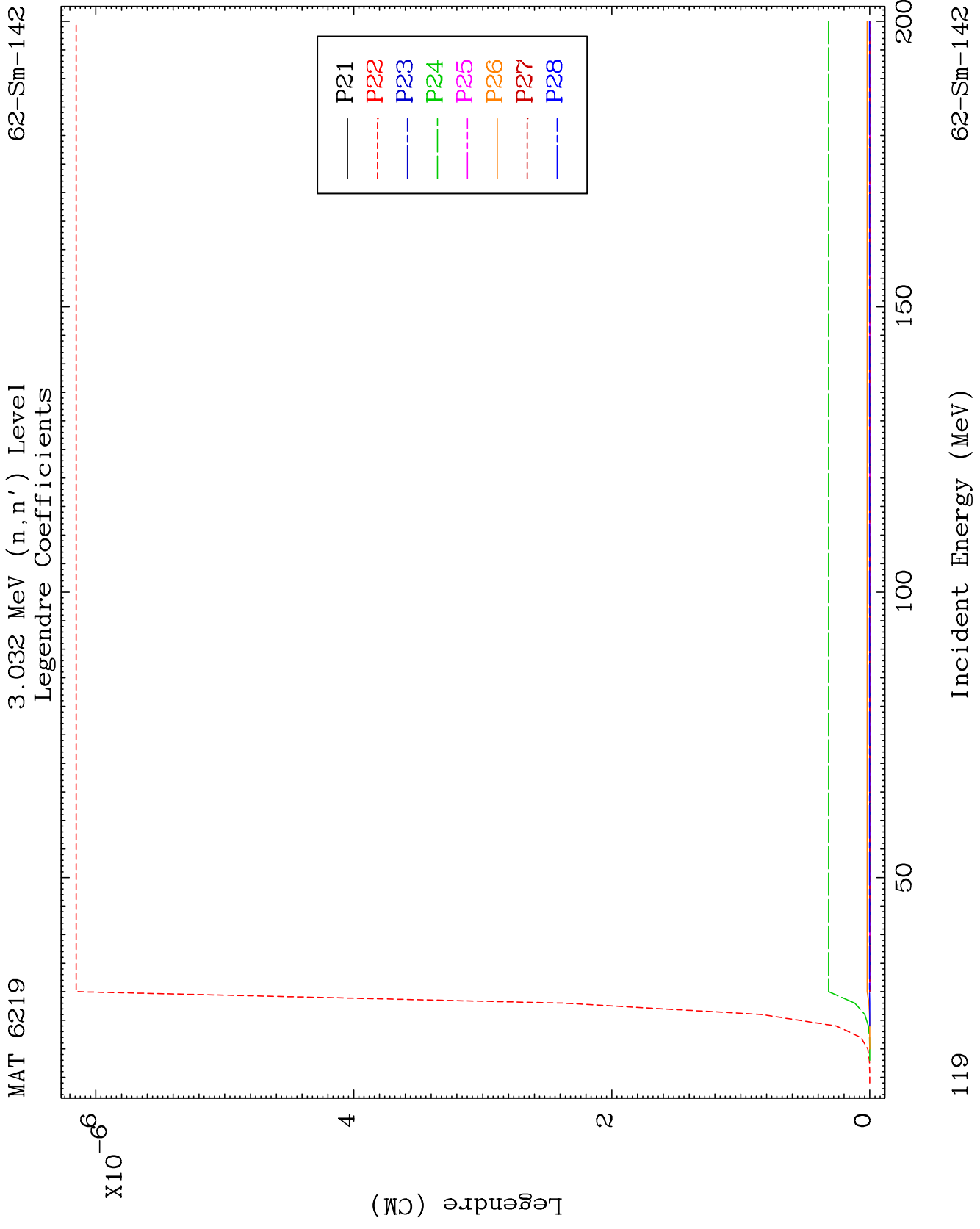
Incident Energy (MeV)

62-Sm-142





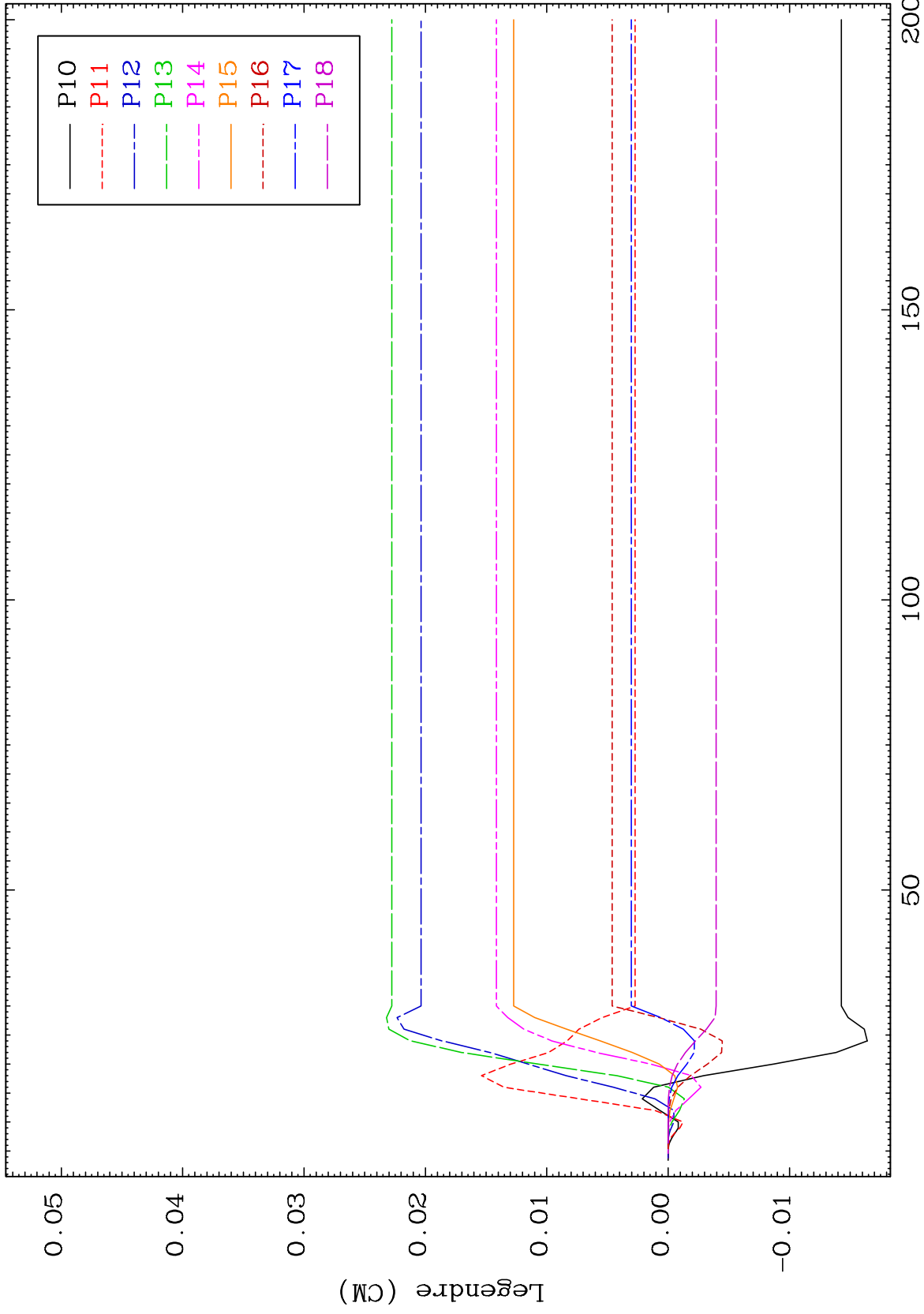




MAT 6219

3.052 MeV (n,n') Level
Legendre Coefficients

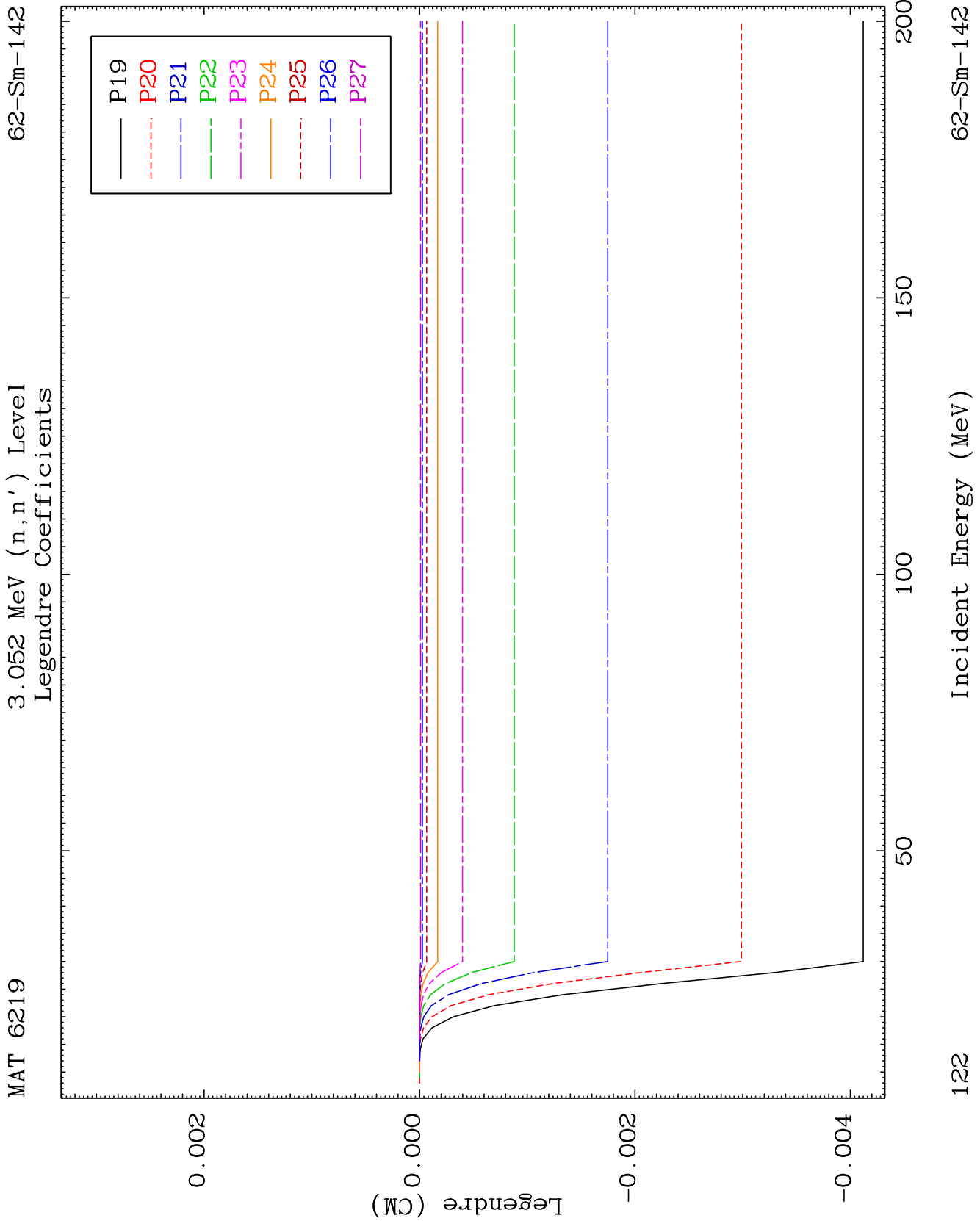
62-Sm-142

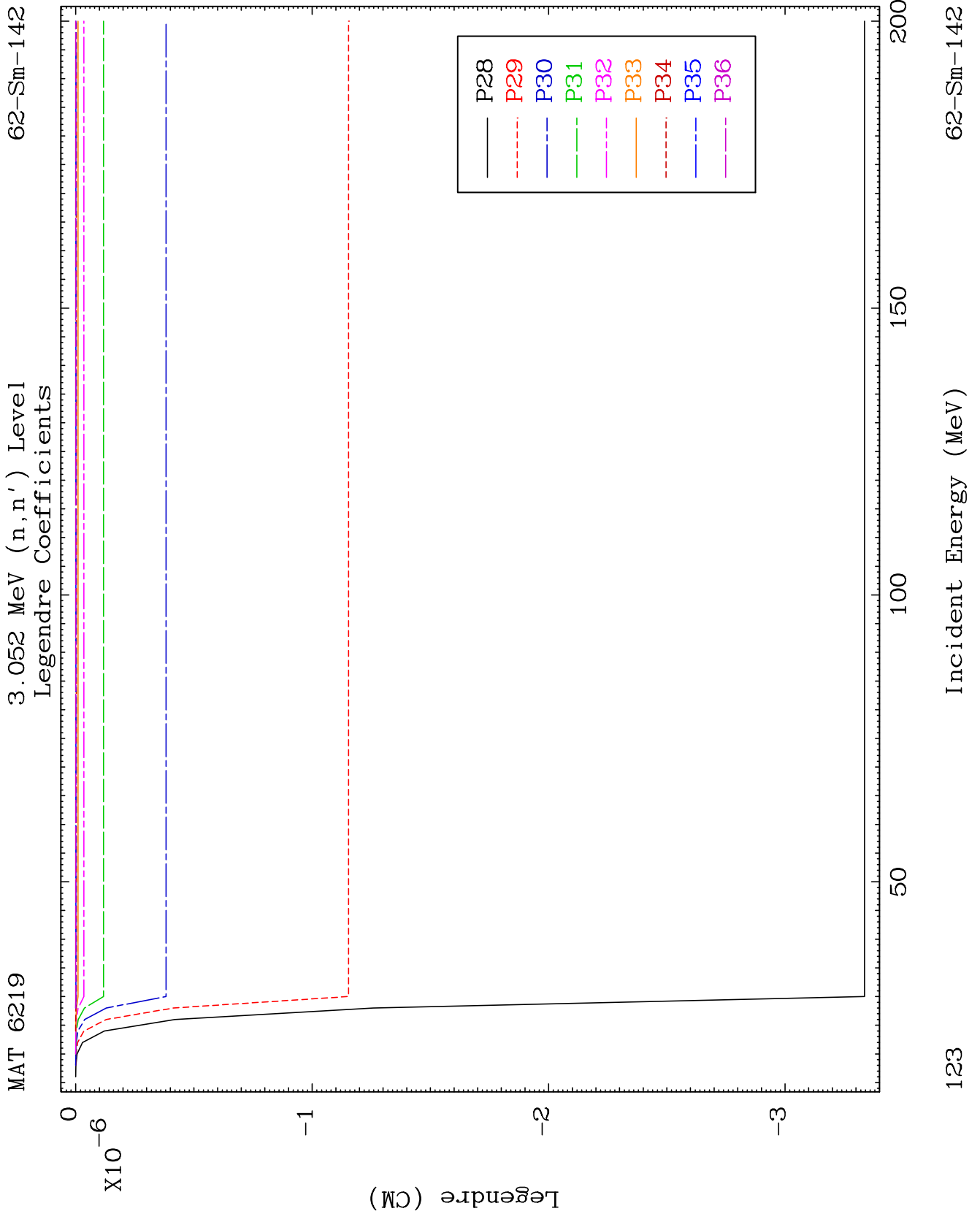


121

Incident Energy (MeV)

62-Sm-142



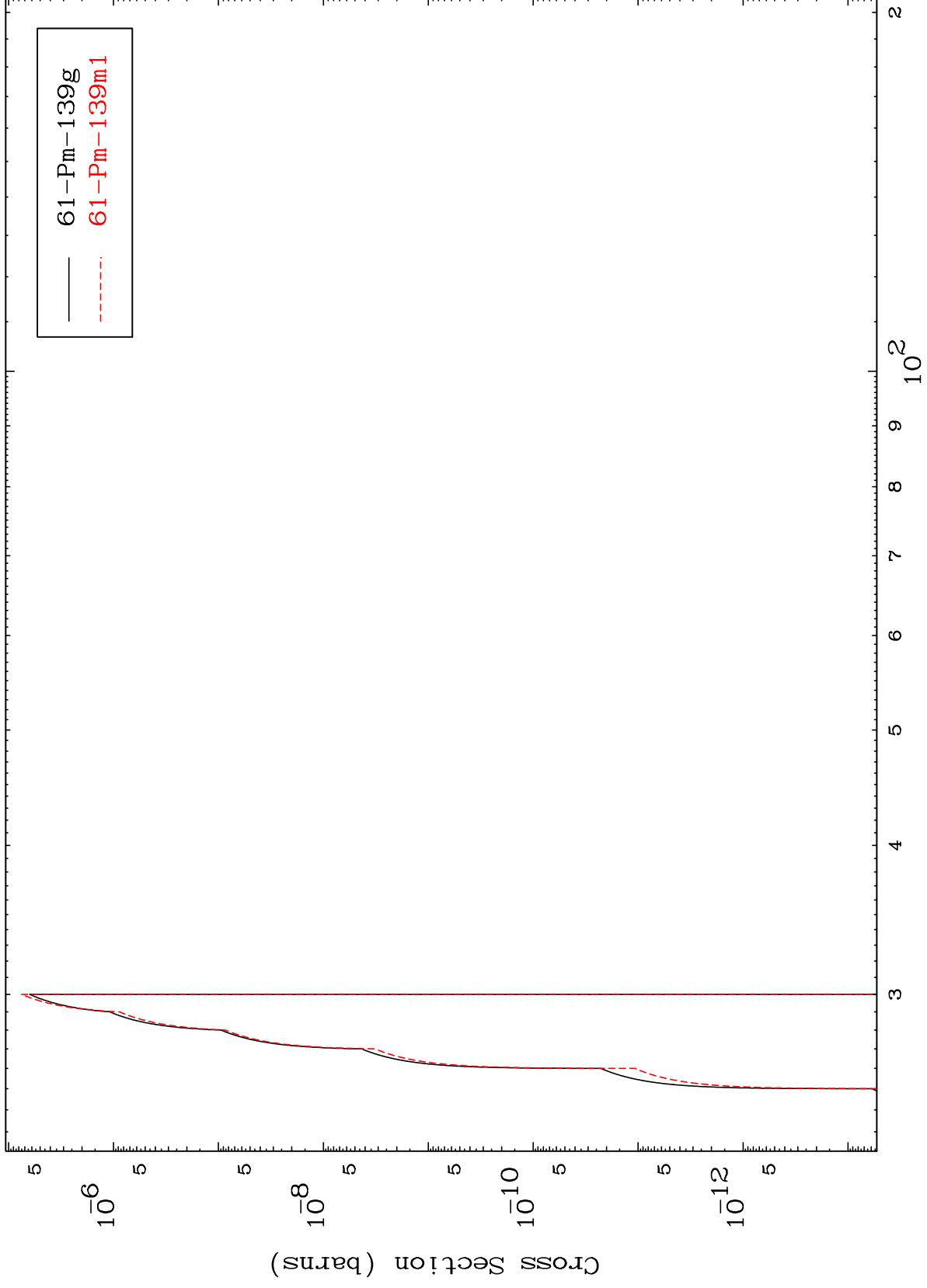


MAT 6219

(n,2n) d

62-Sm-142

Radionuclide Production Cross Section



124

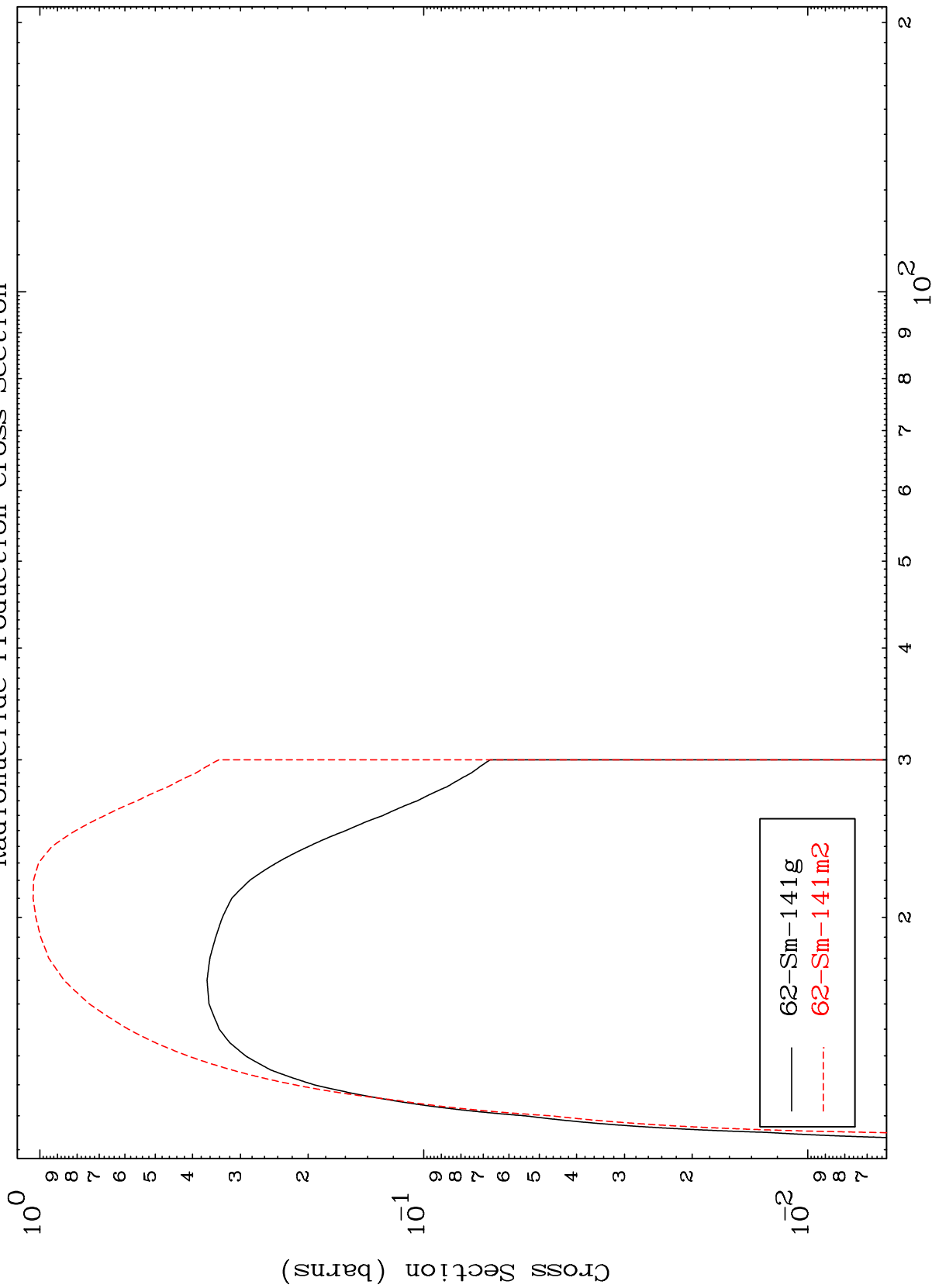
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

(n,2n)
Radionuclide Production Cross Section



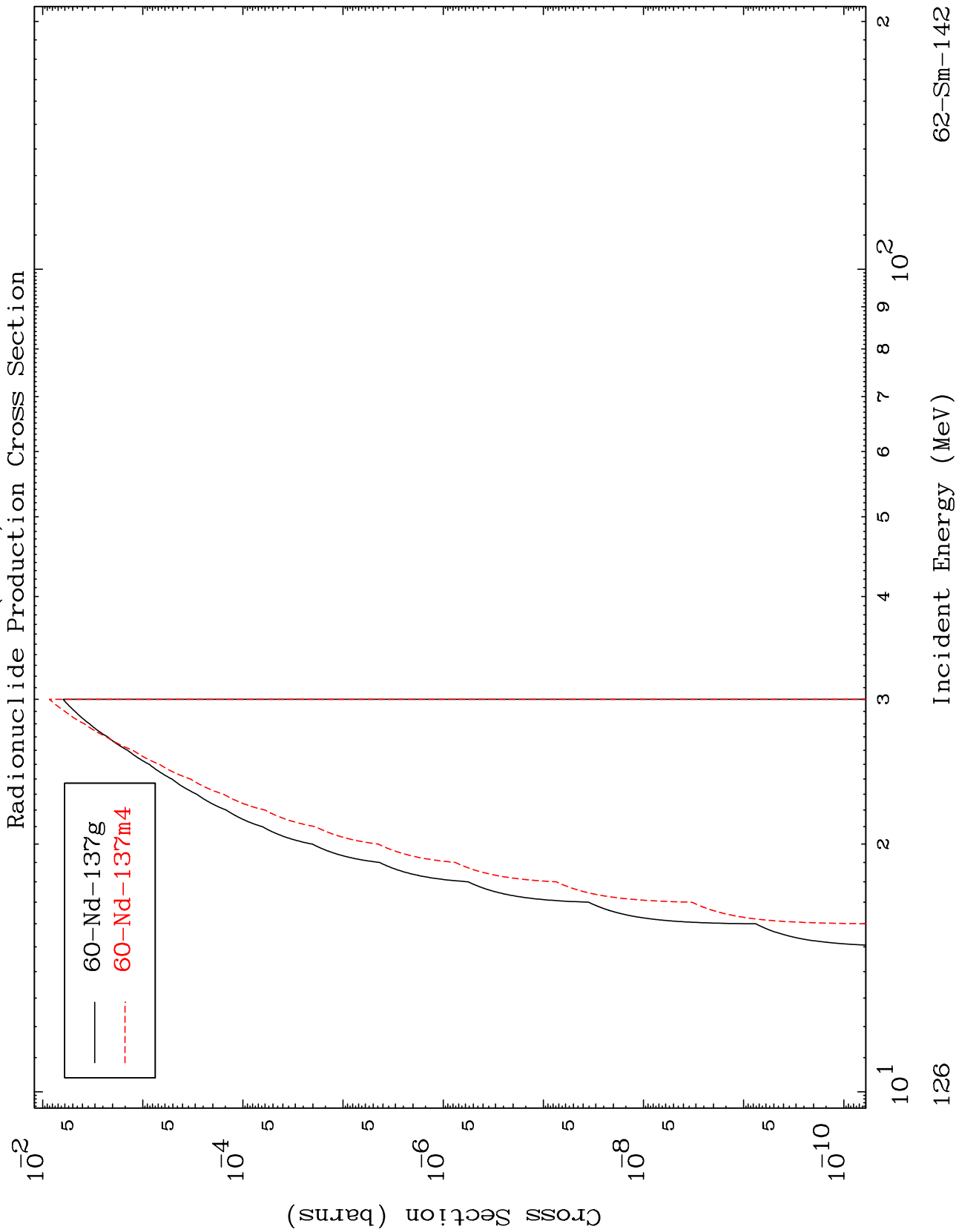
125

62-Sm-142

MAT 6219

(n,2n) α

62-Sm-142

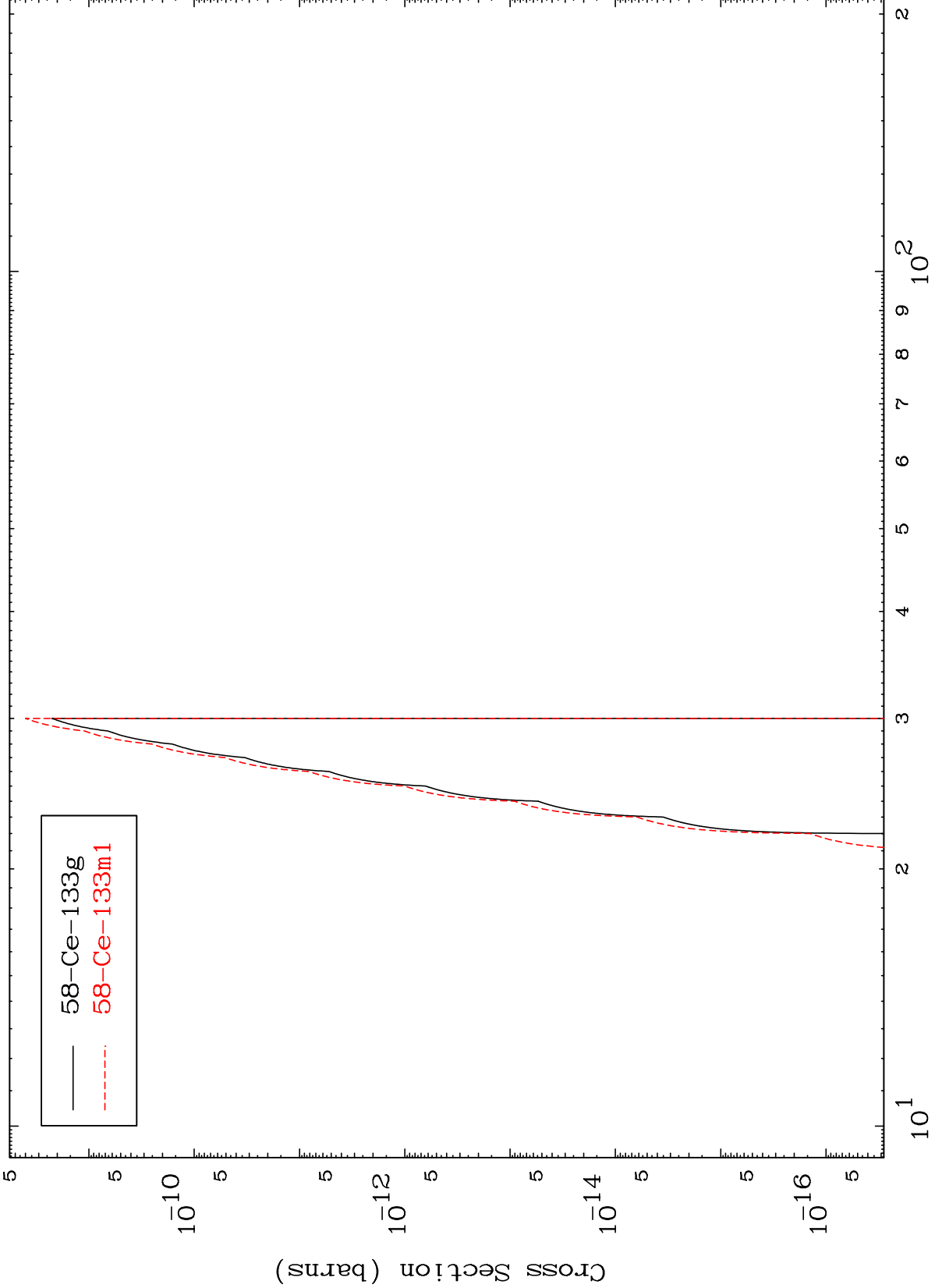


MAT 6219

(n,2n) 2α

62-Sm-142

Radionuclide Production Cross Section



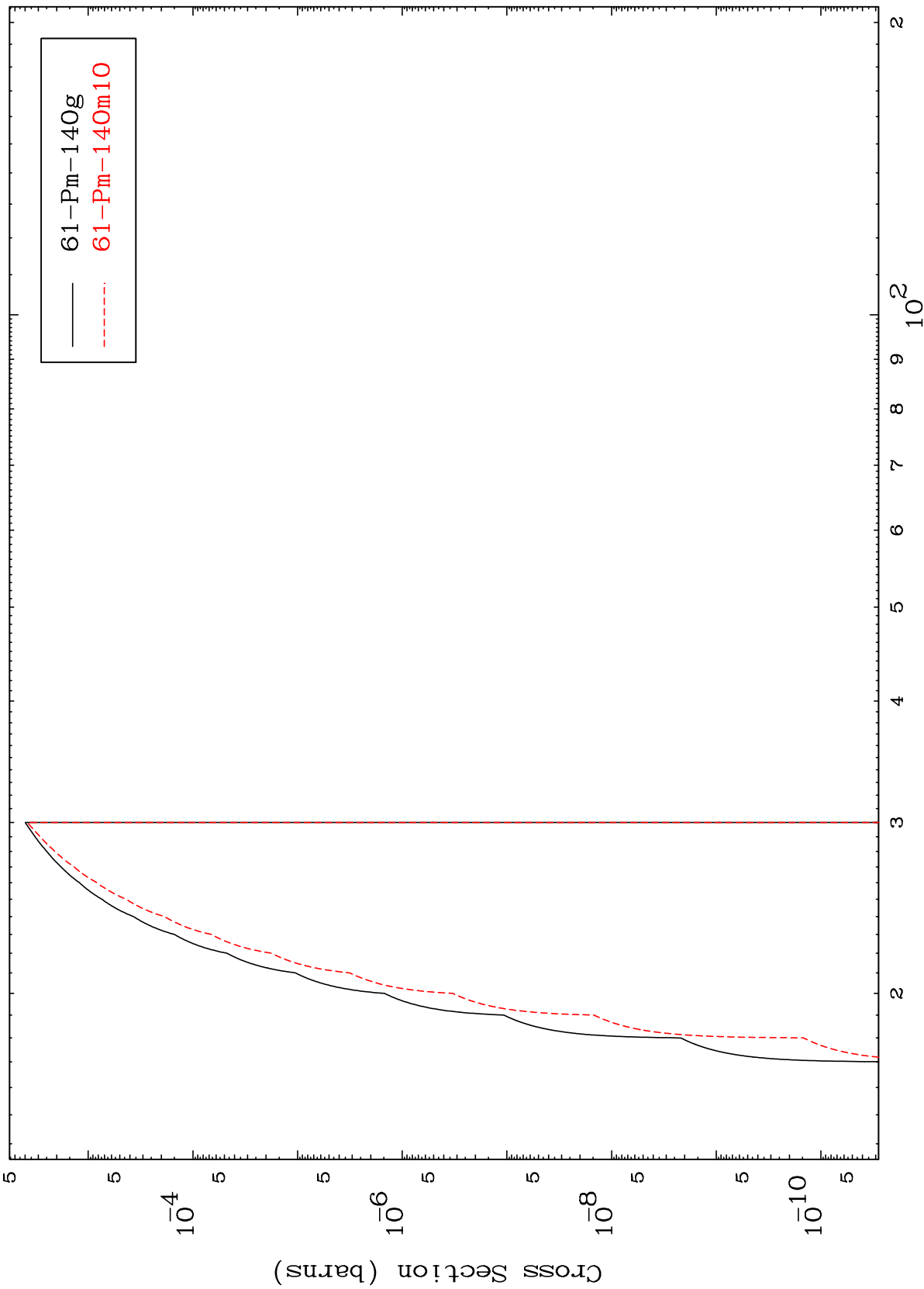
58-Ce-133g
58-Ce-133m1

127

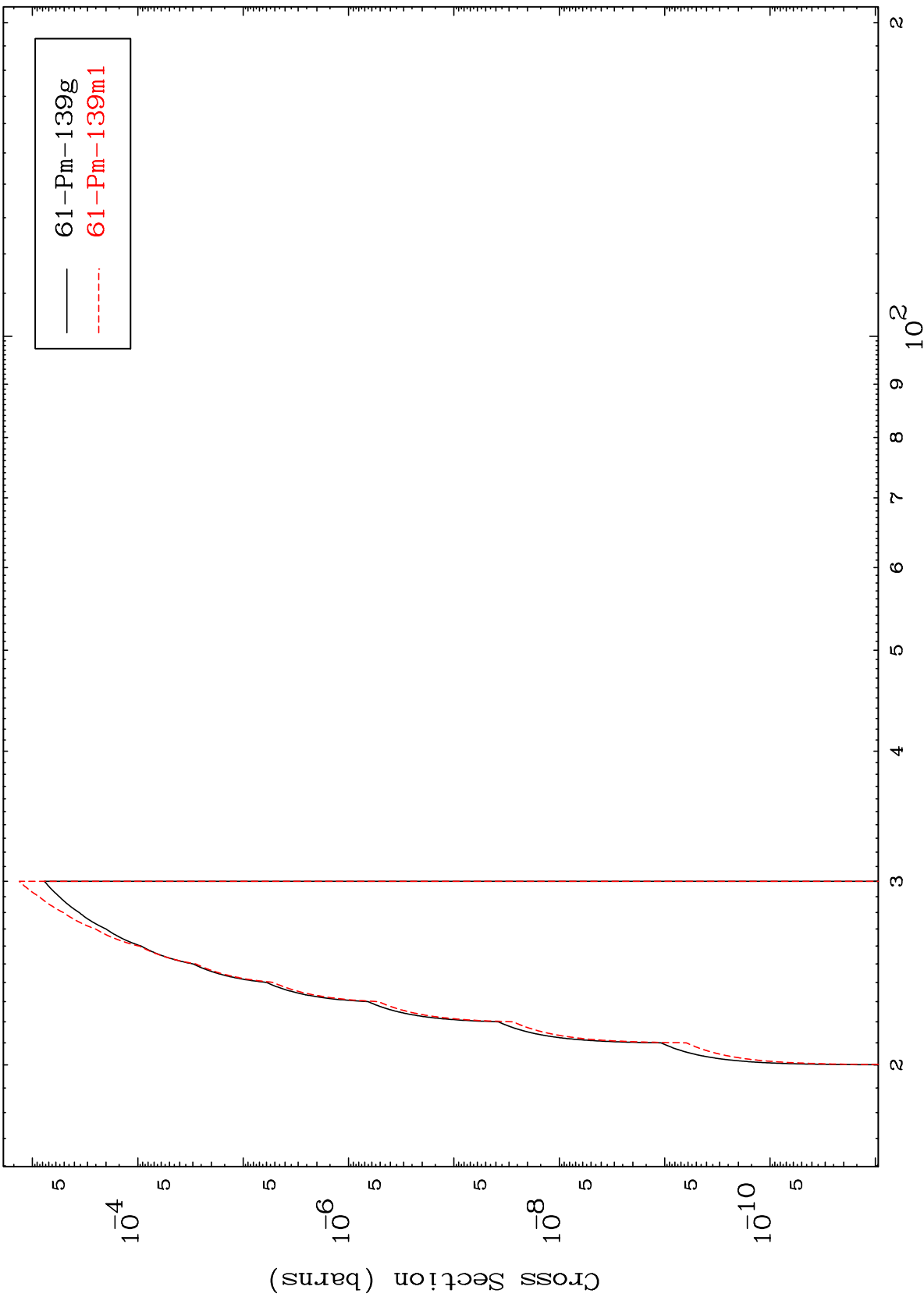
Incident Energy (MeV)

62-Sm-142

(n,n') d
Radionuclide Production Cross Section



Radionuclide Production Cross Section

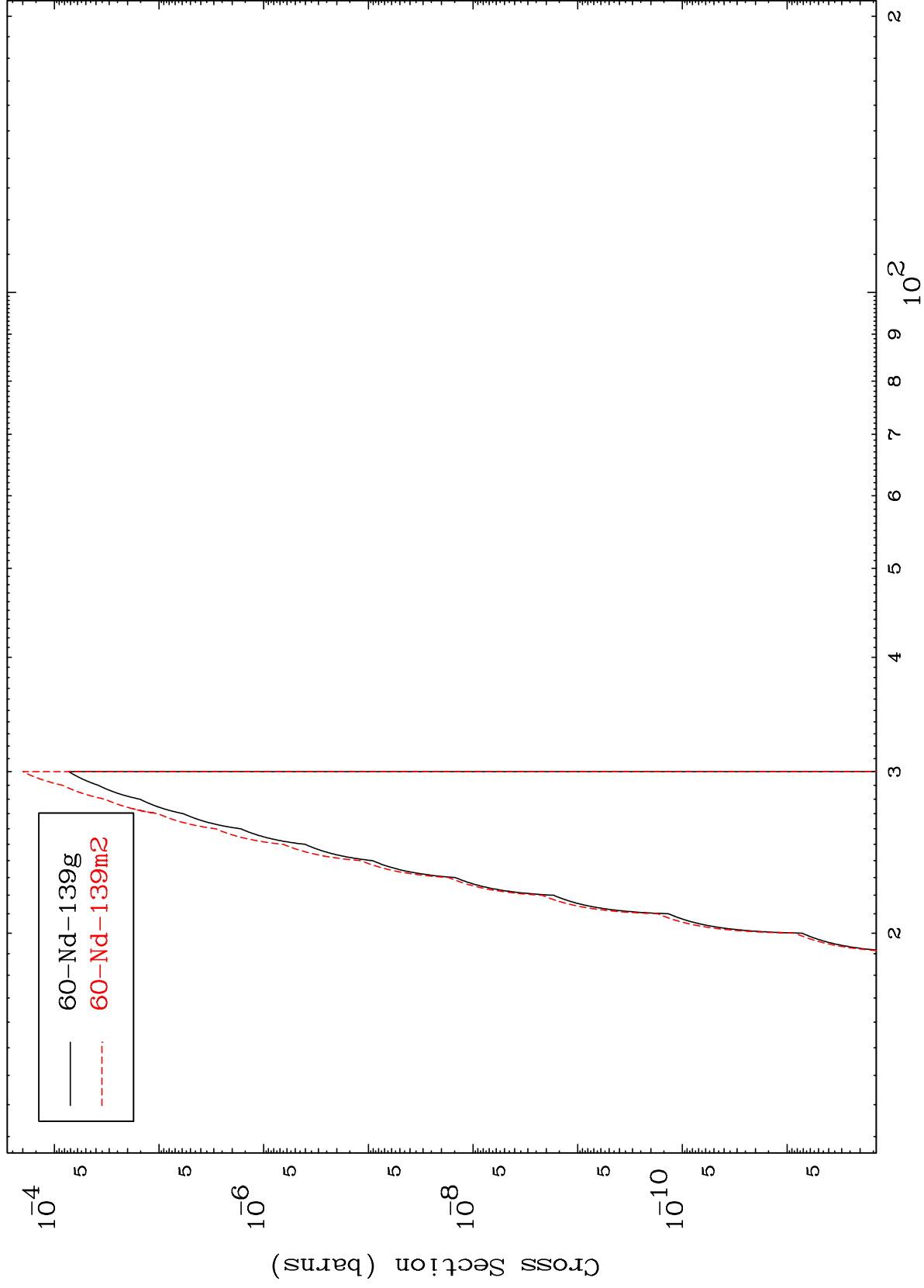


MAT 6219

(n,n') He-3

62-Sm-142

Radionuclide Production Cross Section



130

Incident Energy (MeV)

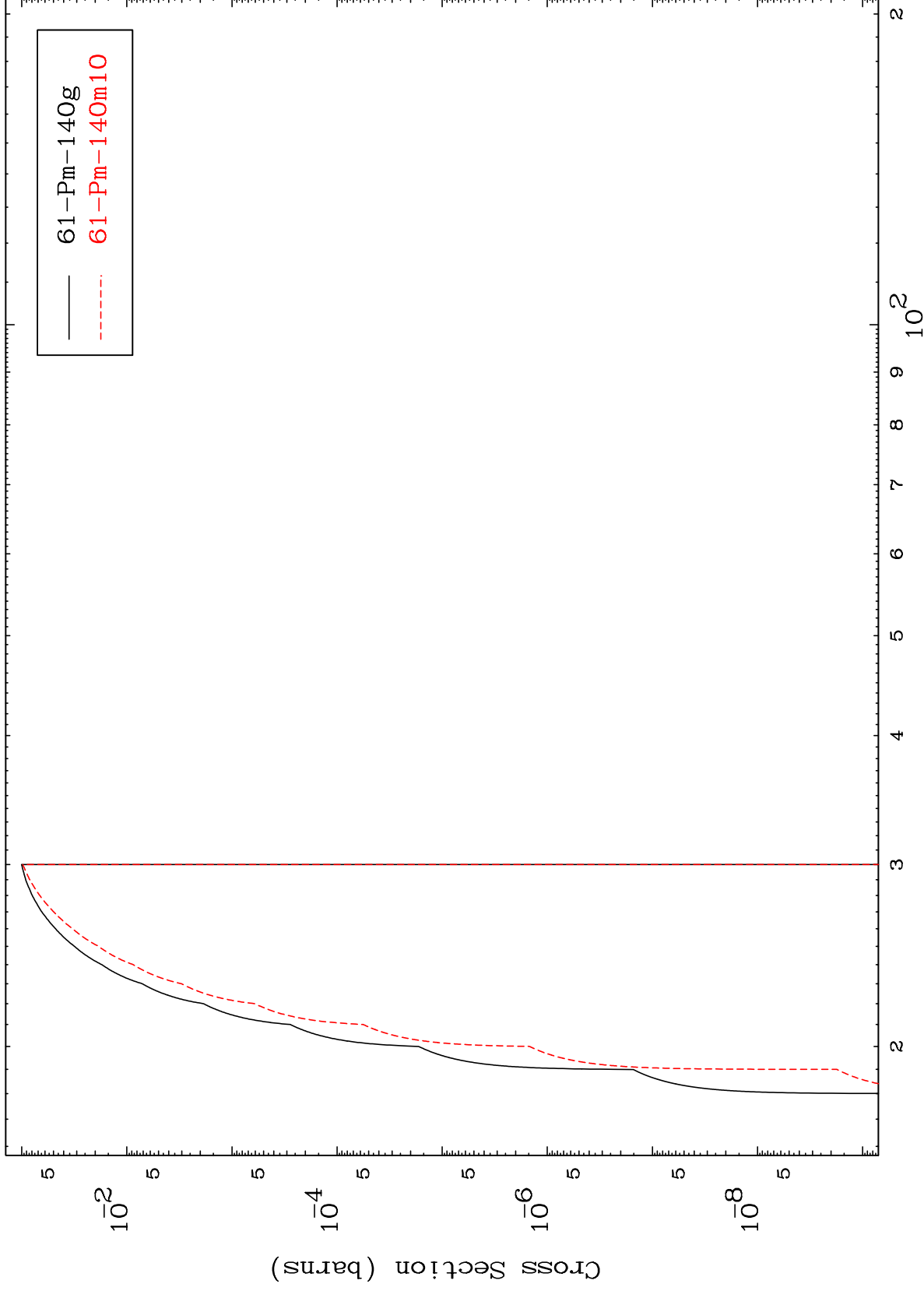
62-Sm-142

MAT 6219

(n,2n) p

62-Sm-142

Radionuclide Production Cross Section



131

Incident Energy (MeV)

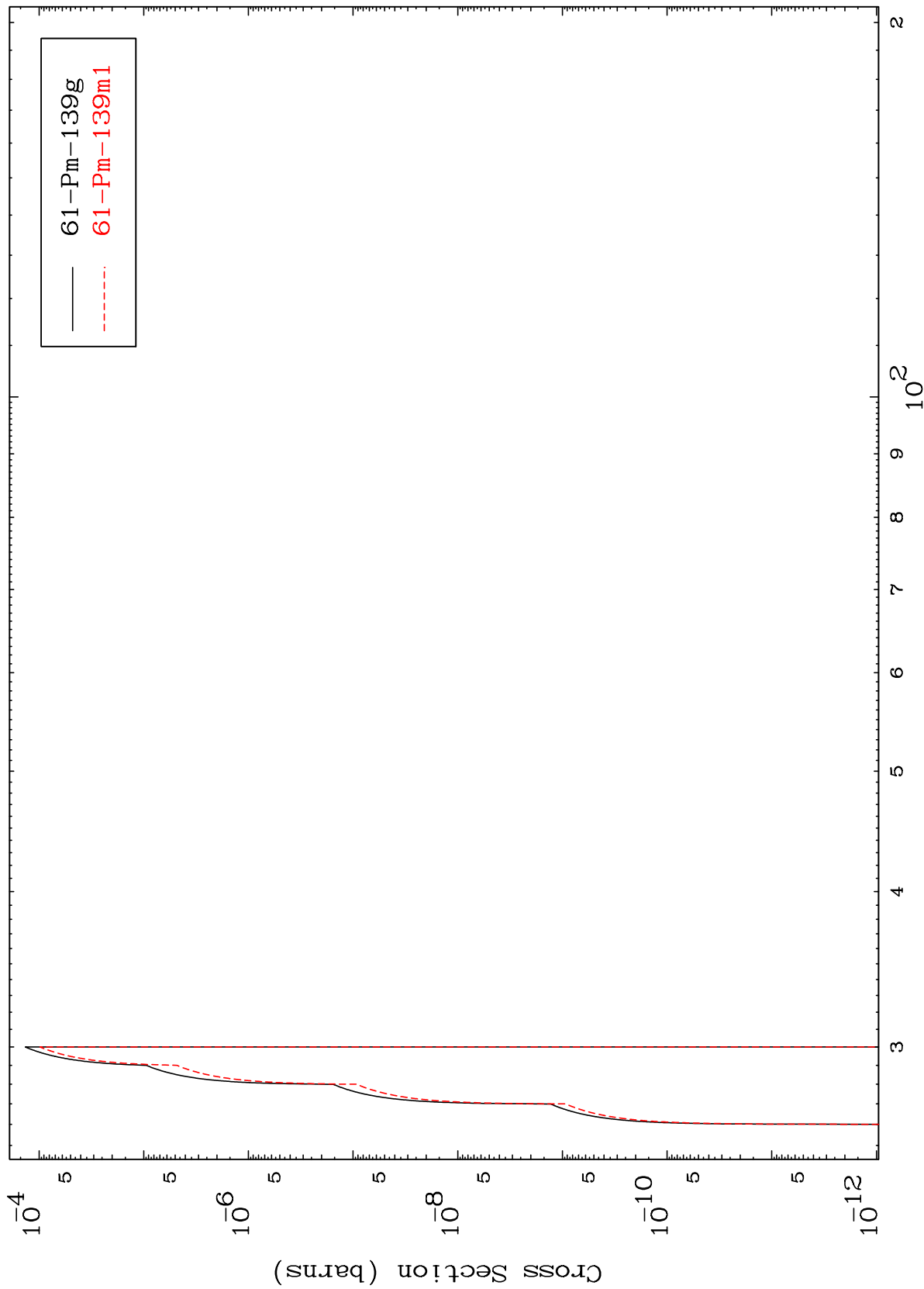
62-Sm-142

MAT 6219

(n,3n) p

62-Sm-142

Radionuclide Production Cross Section



61-Pm-139g
61-Pm-139m1

132

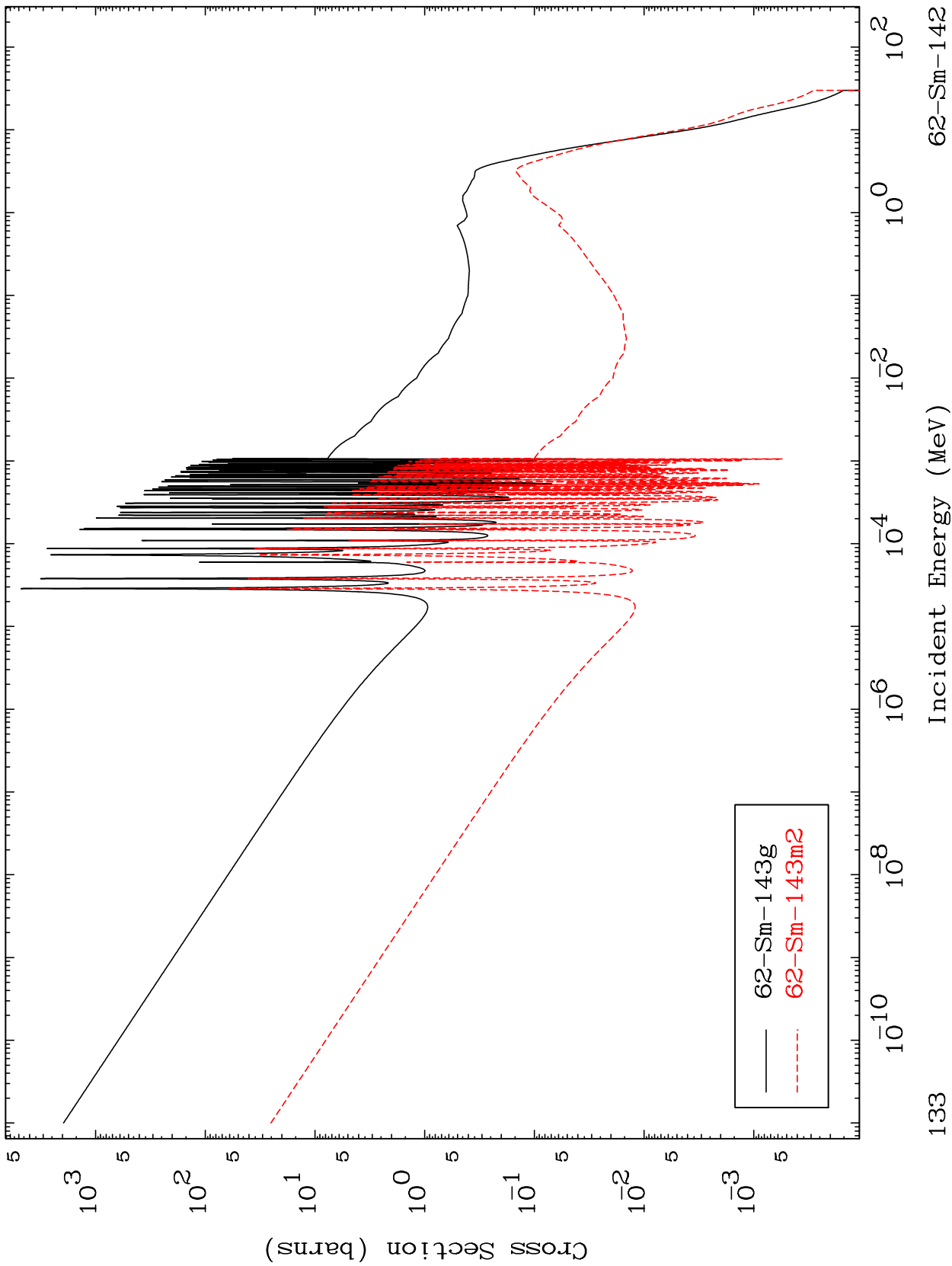
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

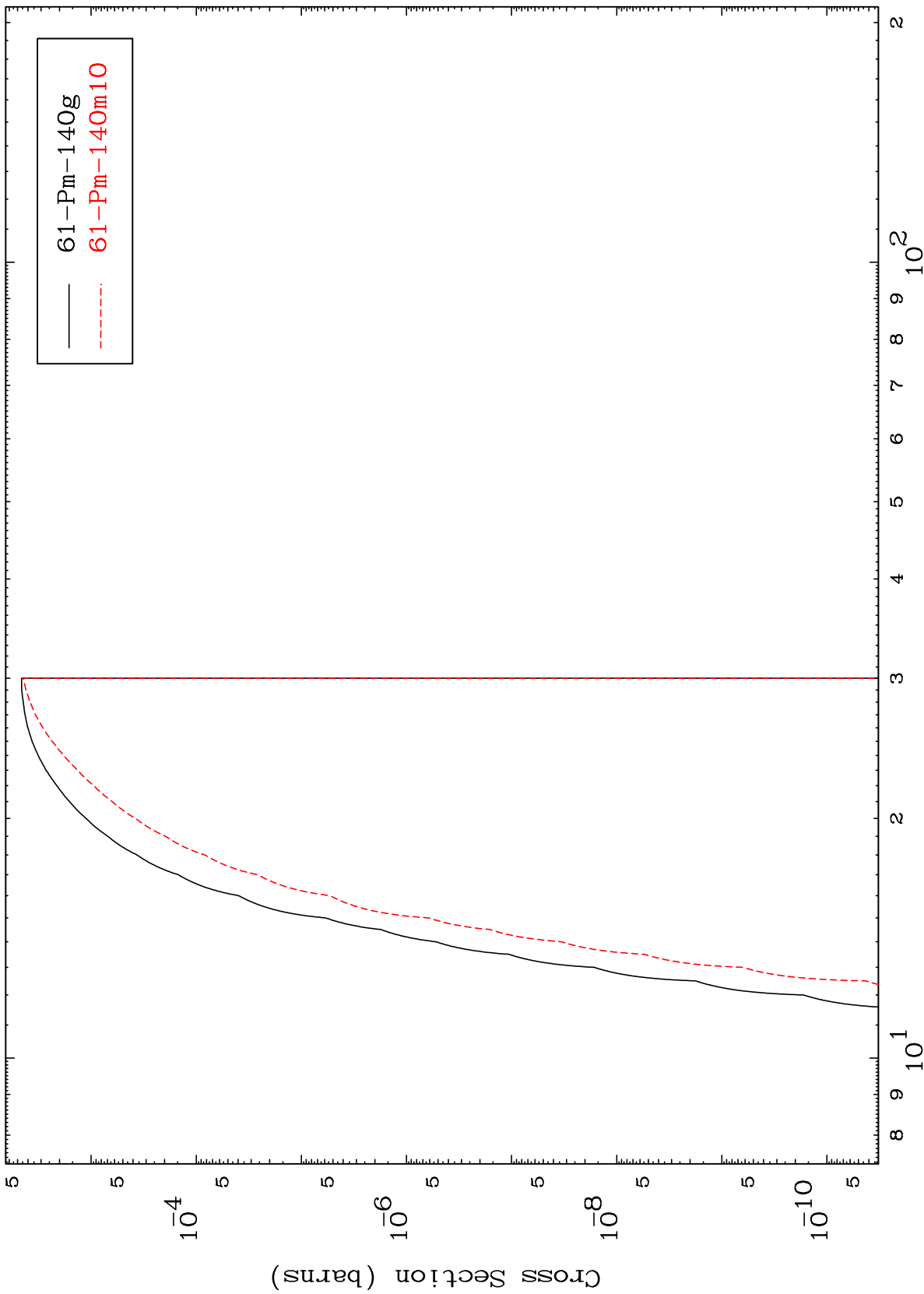
(n,γ)
Radionuclide Production Cross Section



MAT 6219

62-Sm-142

(n, t)
Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m10

134

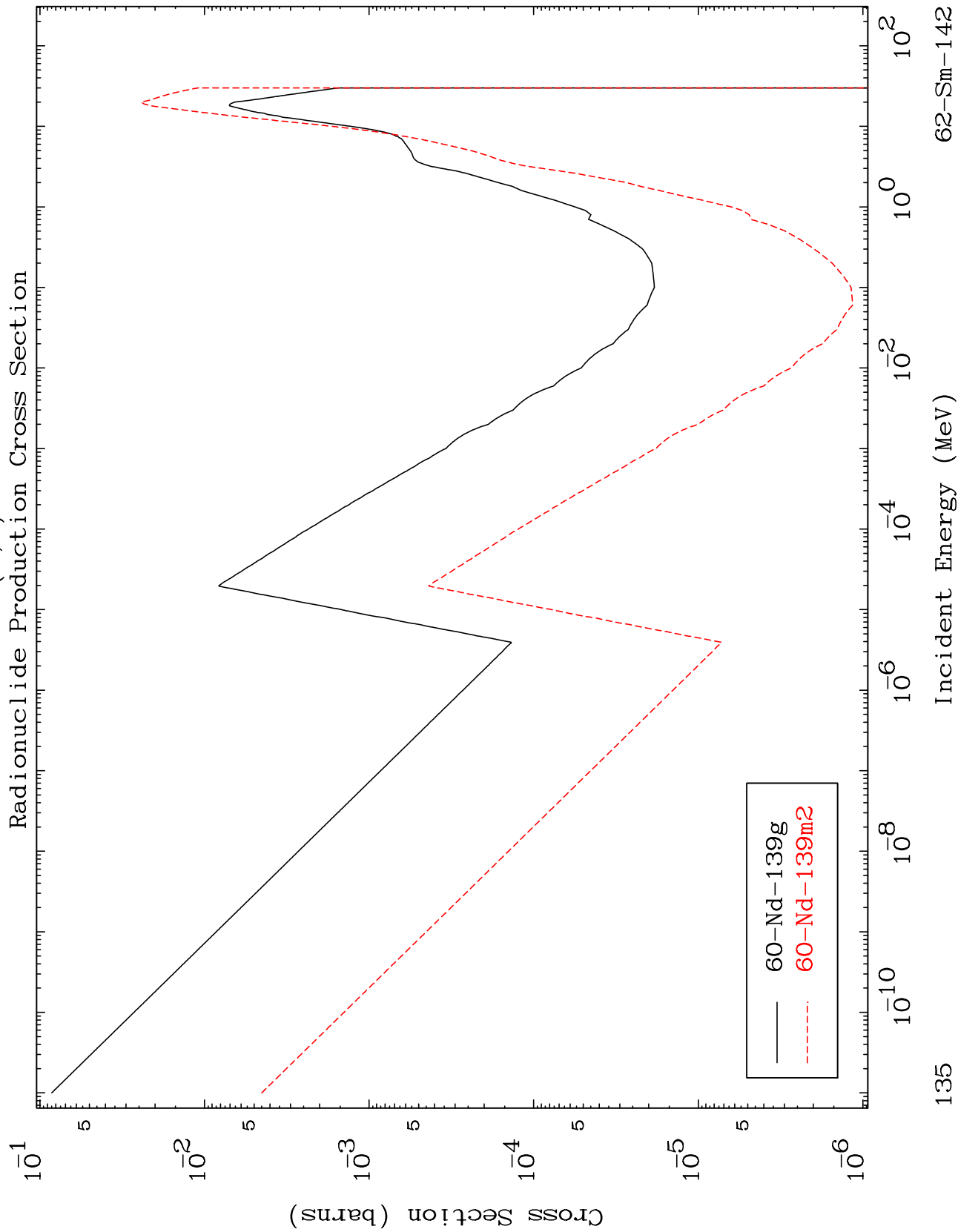
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n, α)

62-Sm-142



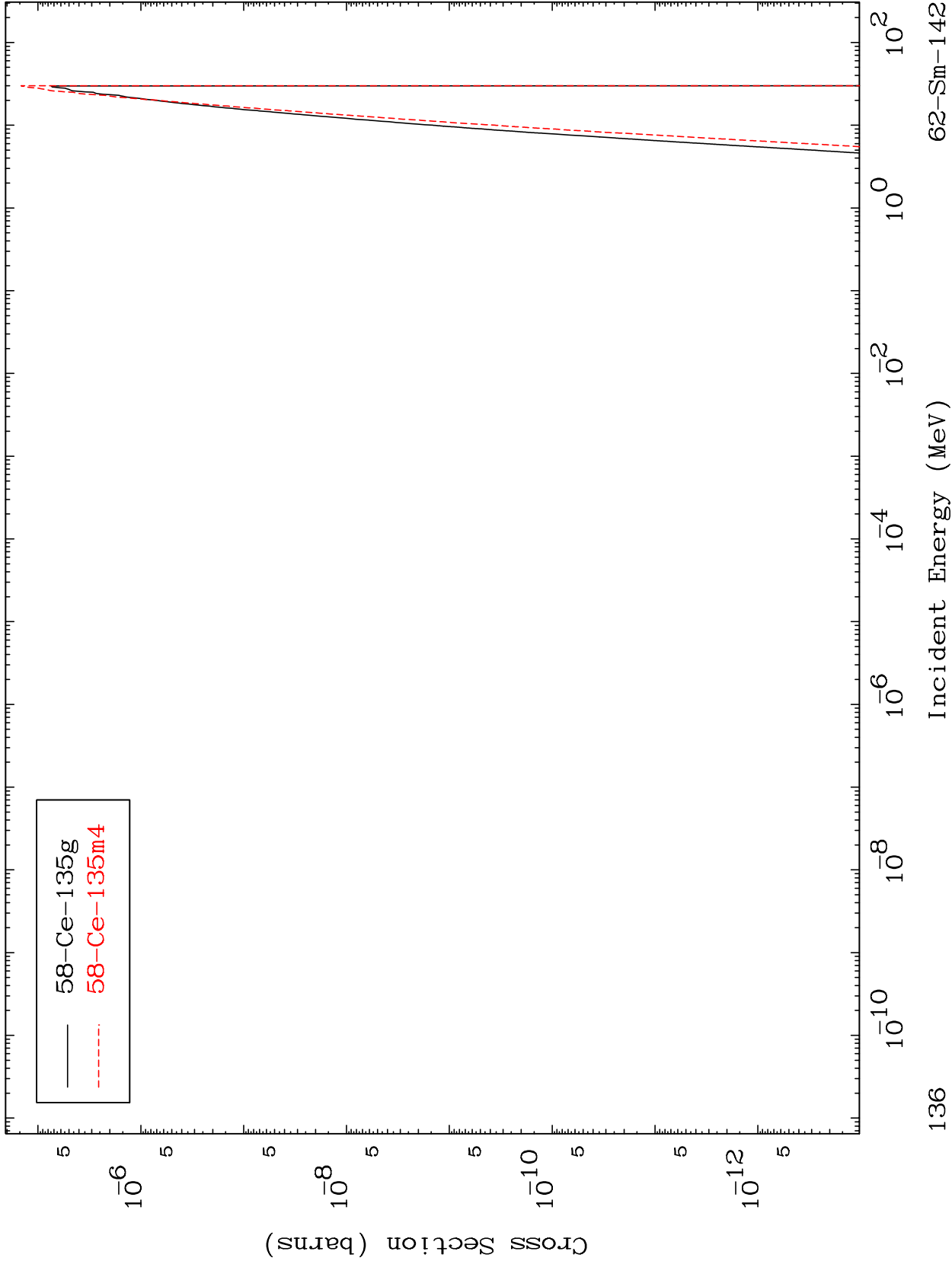
135

MAT 6219

(n,2α)

62-Sm-142

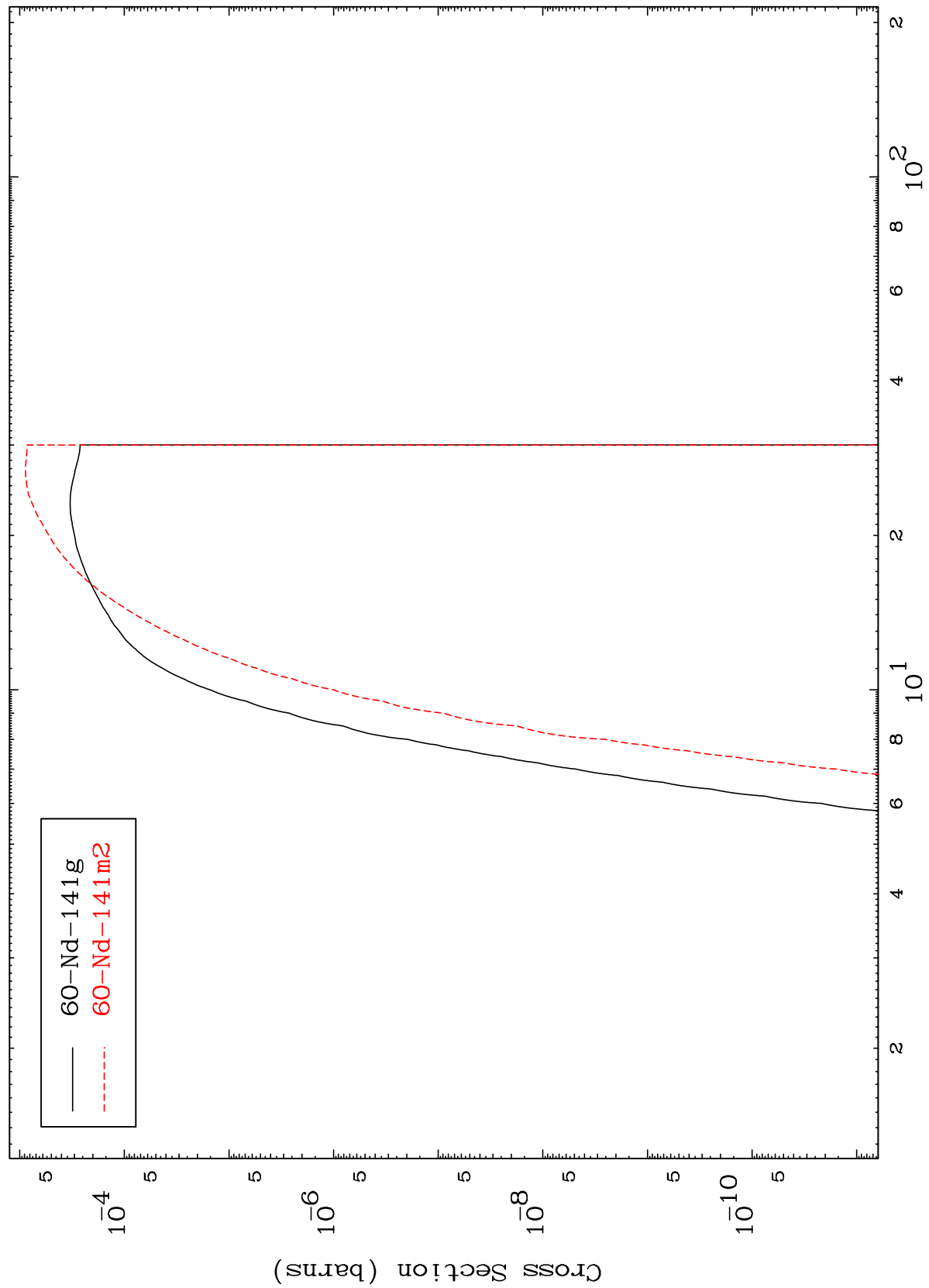
Radionuclide Production Cross Section



MAT 6219

62-Sm-142

(n,2p)
Radionuclide Production Cross Section



137

62-Sm-142

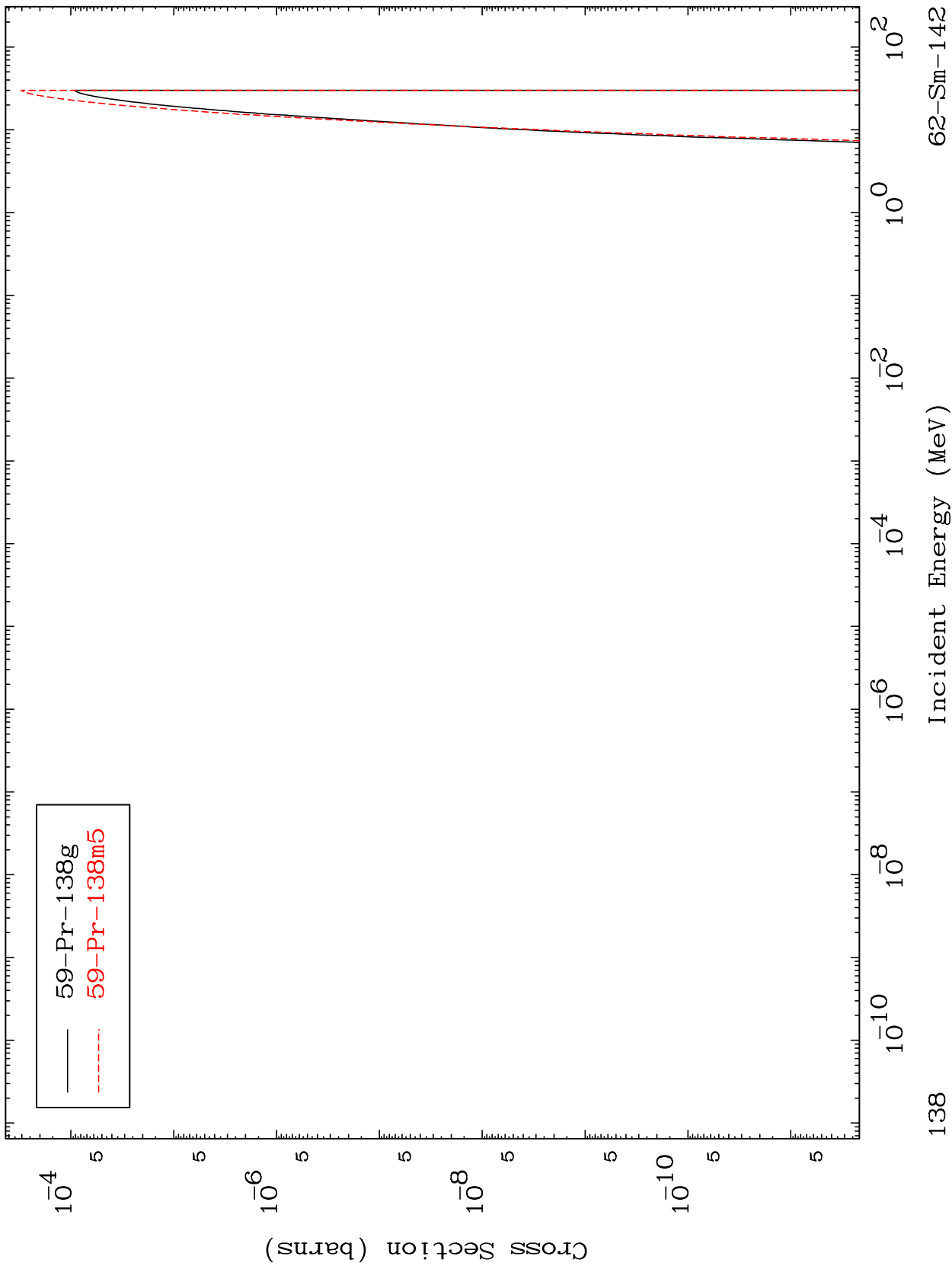
Incident Energy (MeV)

MAT 6219

(n,p) α

62-Sm-142

Radionuclide Production Cross Section



MAT 6219

(n,p) t

62-Sm-142

