

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

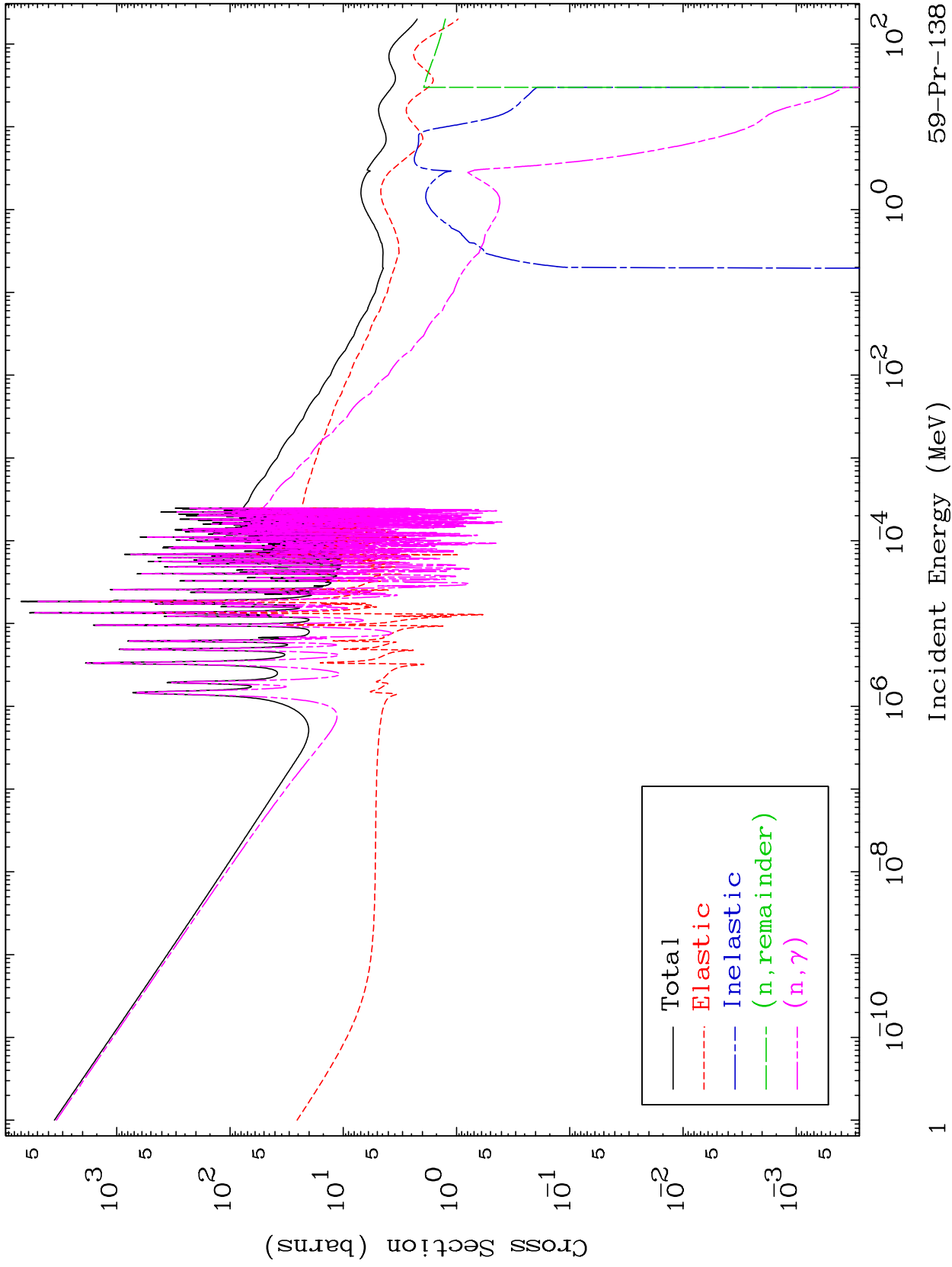
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5916

Major
293 Kelvin Cross Sections

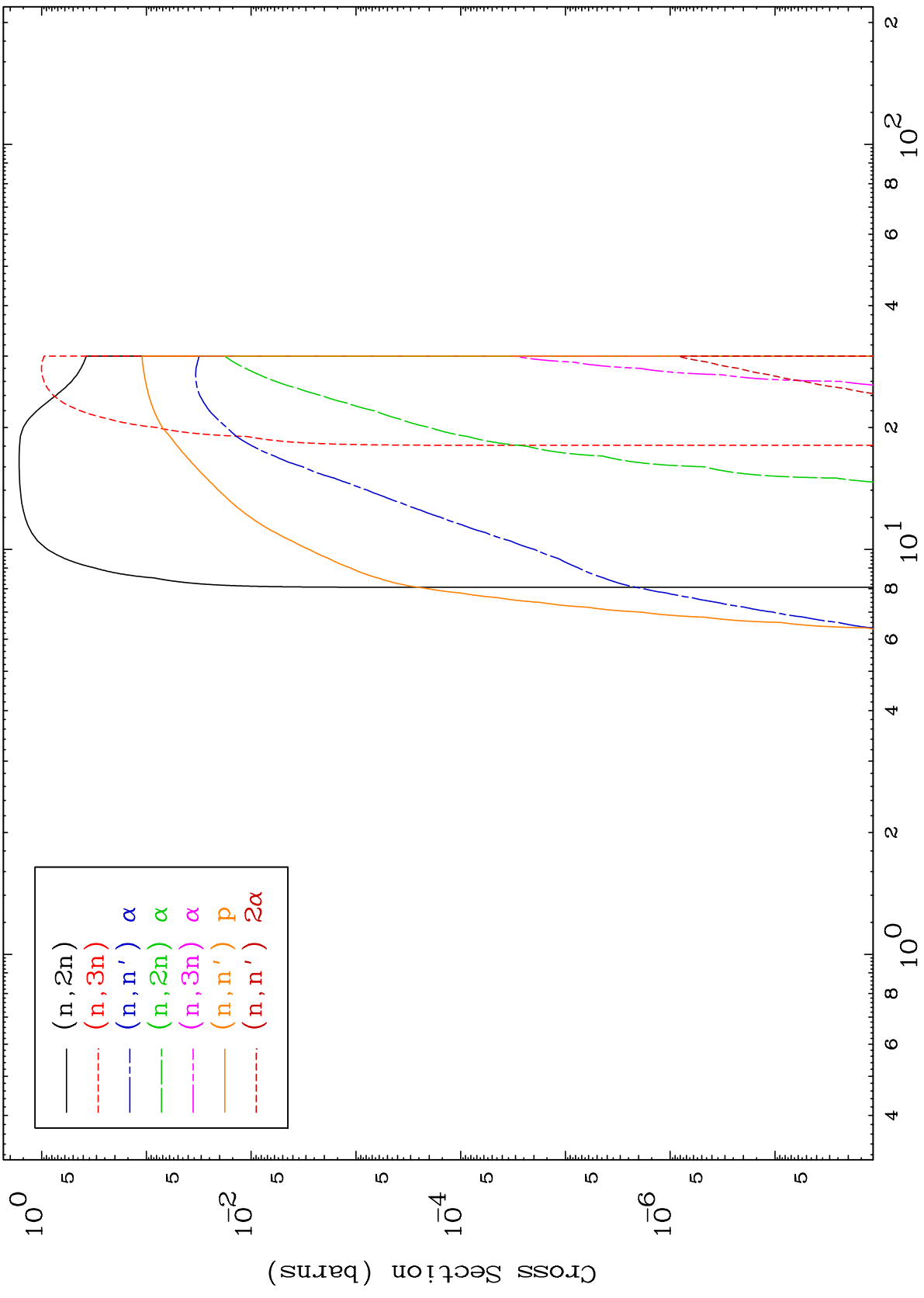
59-Pr-138



MAT 5916

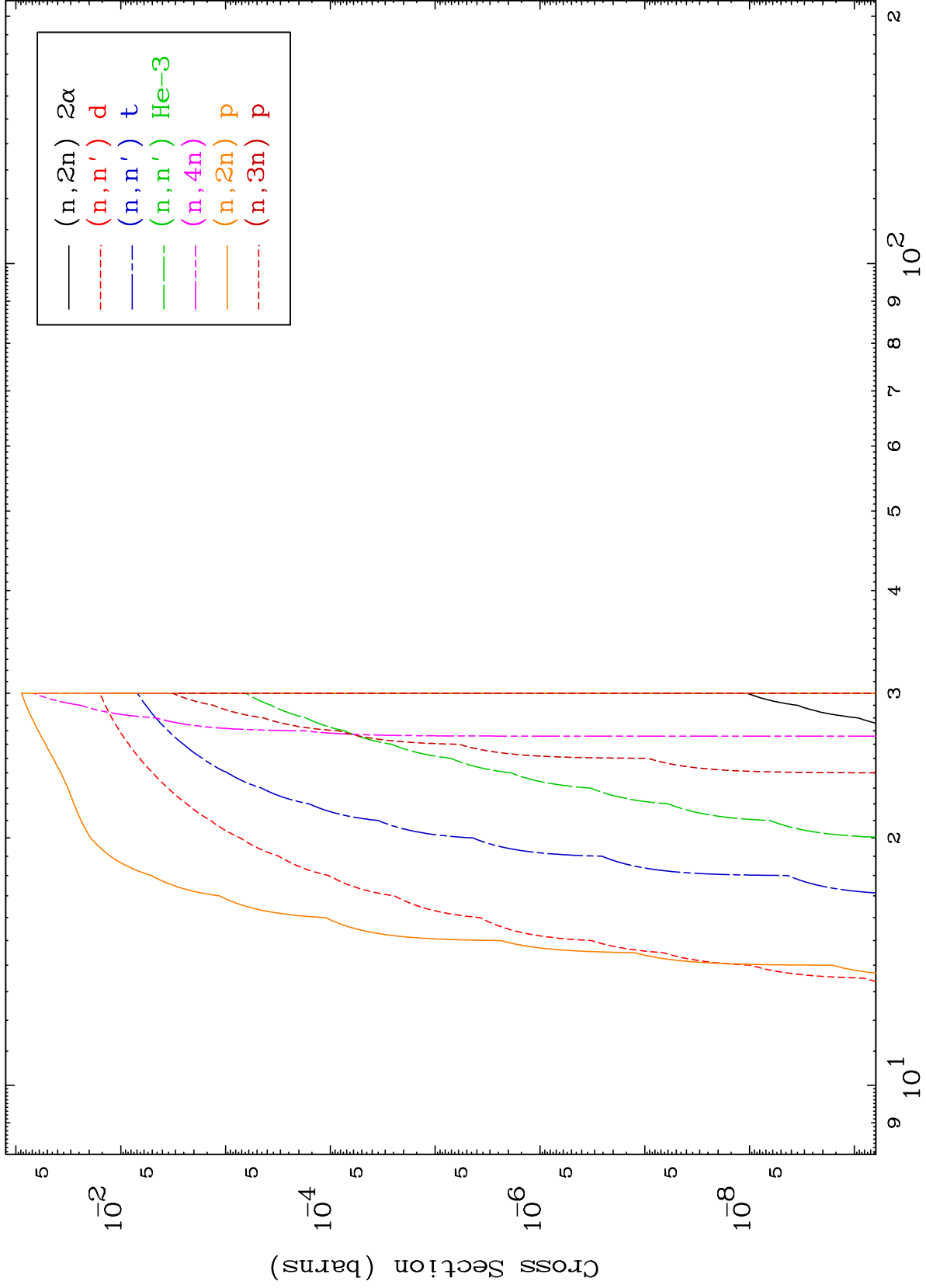
Neutron Production
293 Kelvin Cross Sections

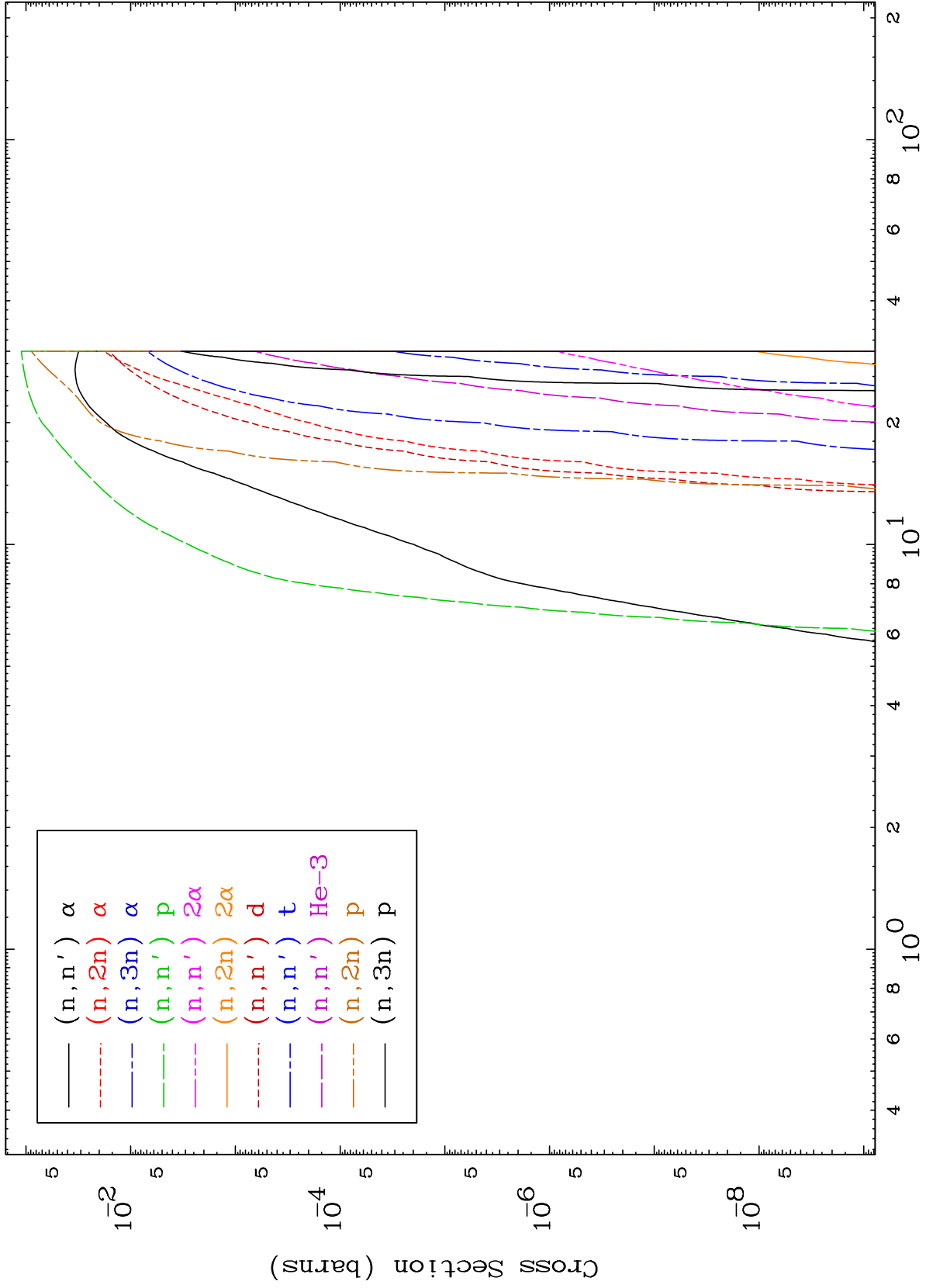
59-Pr-138



59-Pr-138

Incident Energy (MeV)

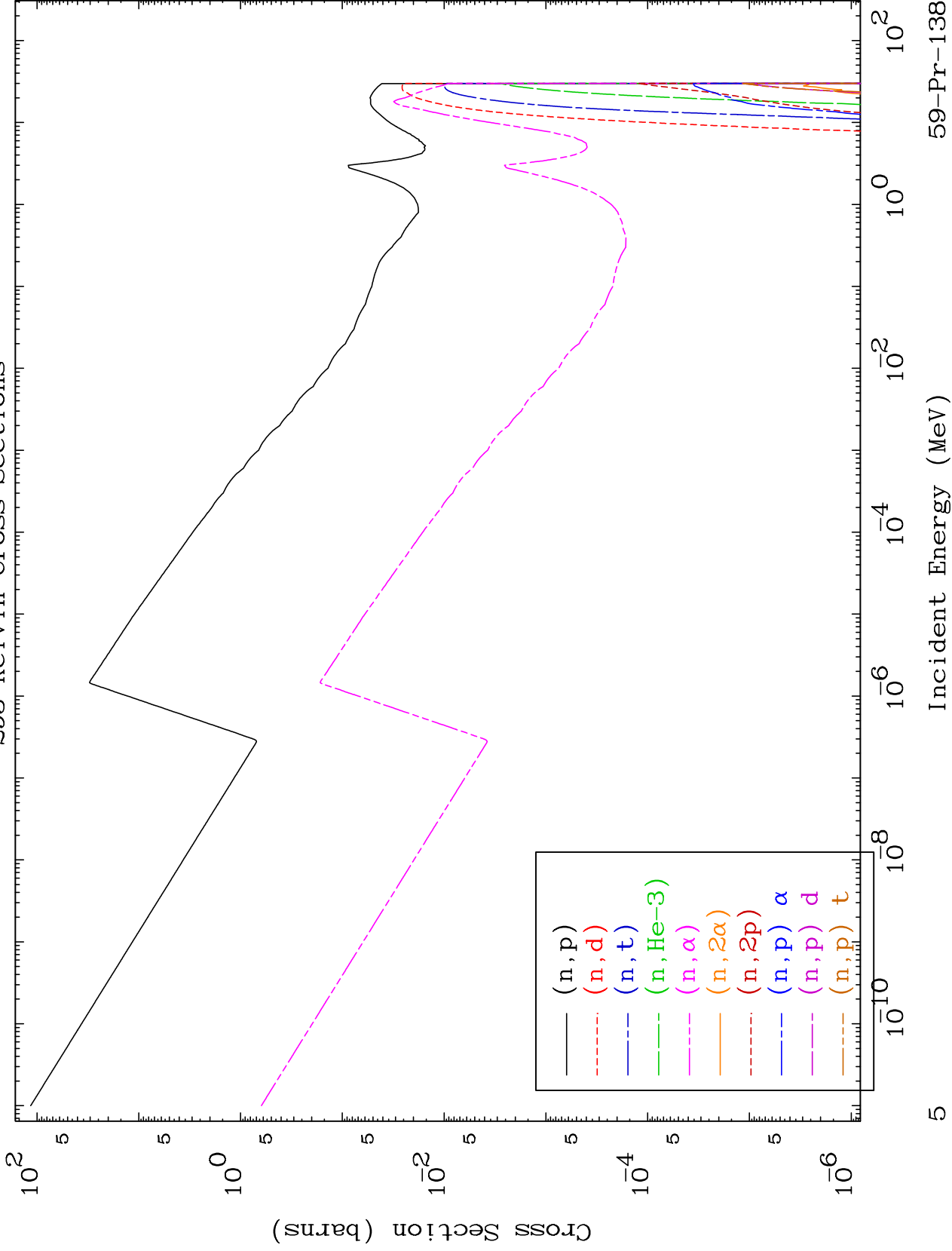


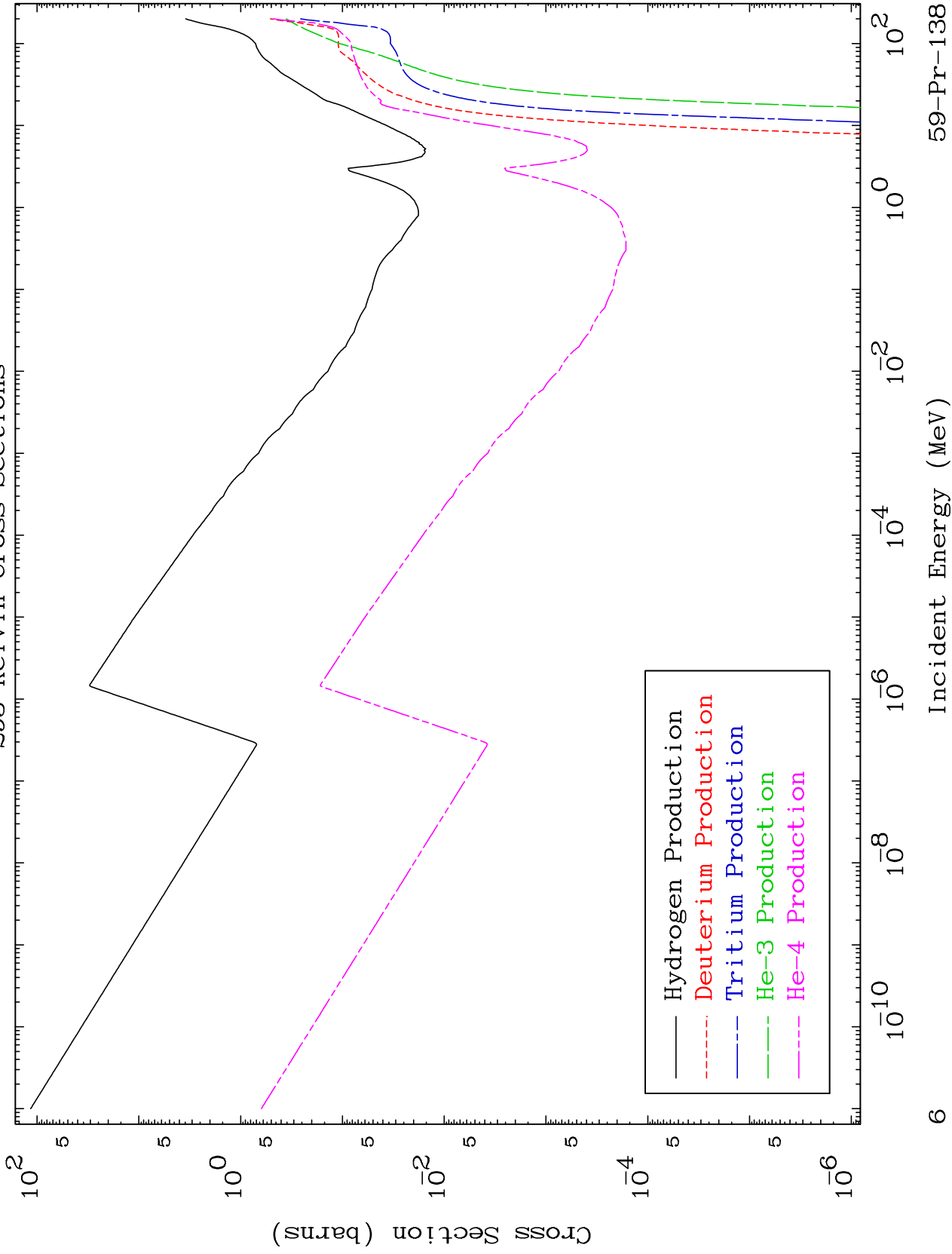


MAT 5916

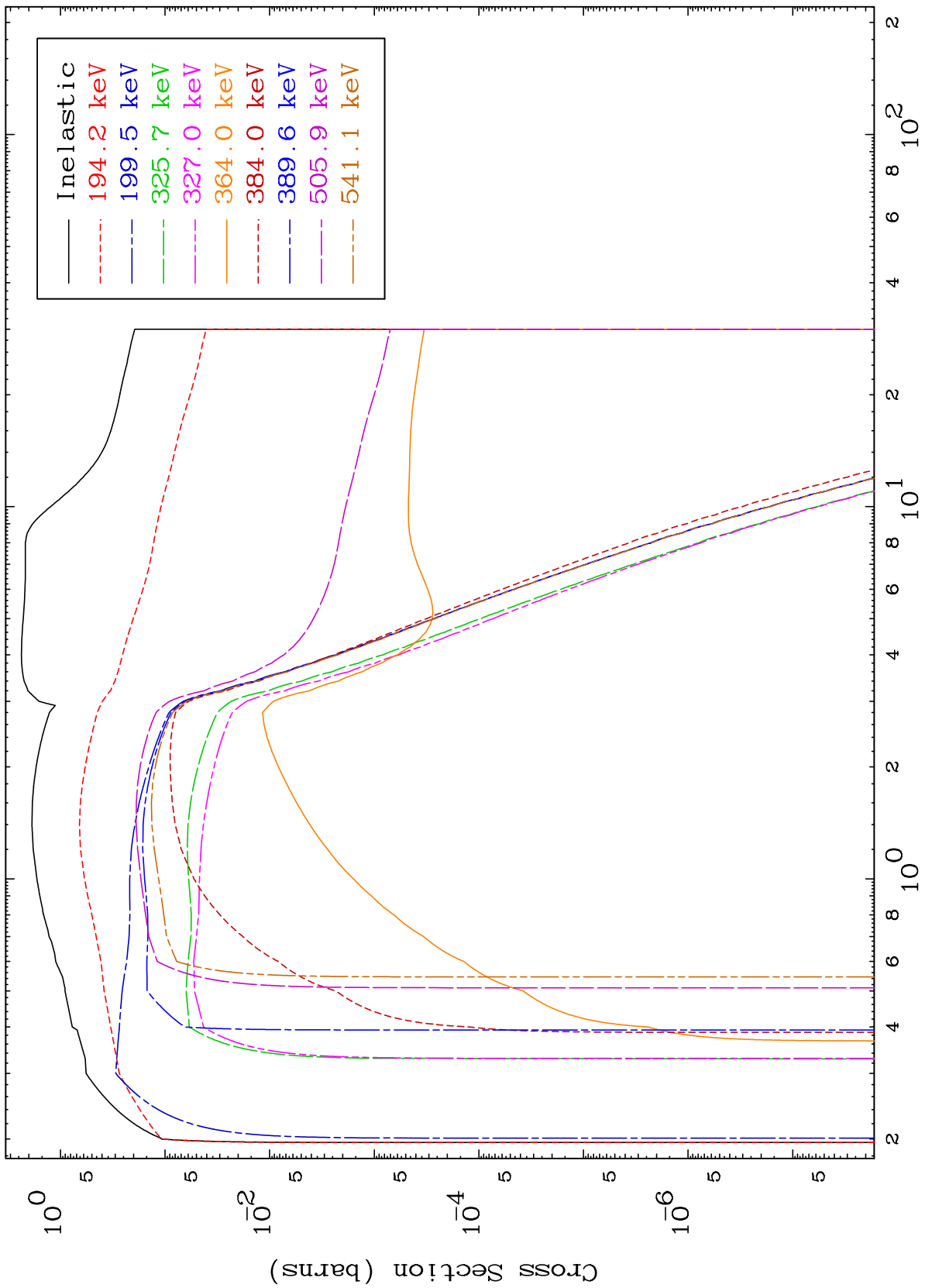
Charged Particle
293 Kelvin Cross Sections

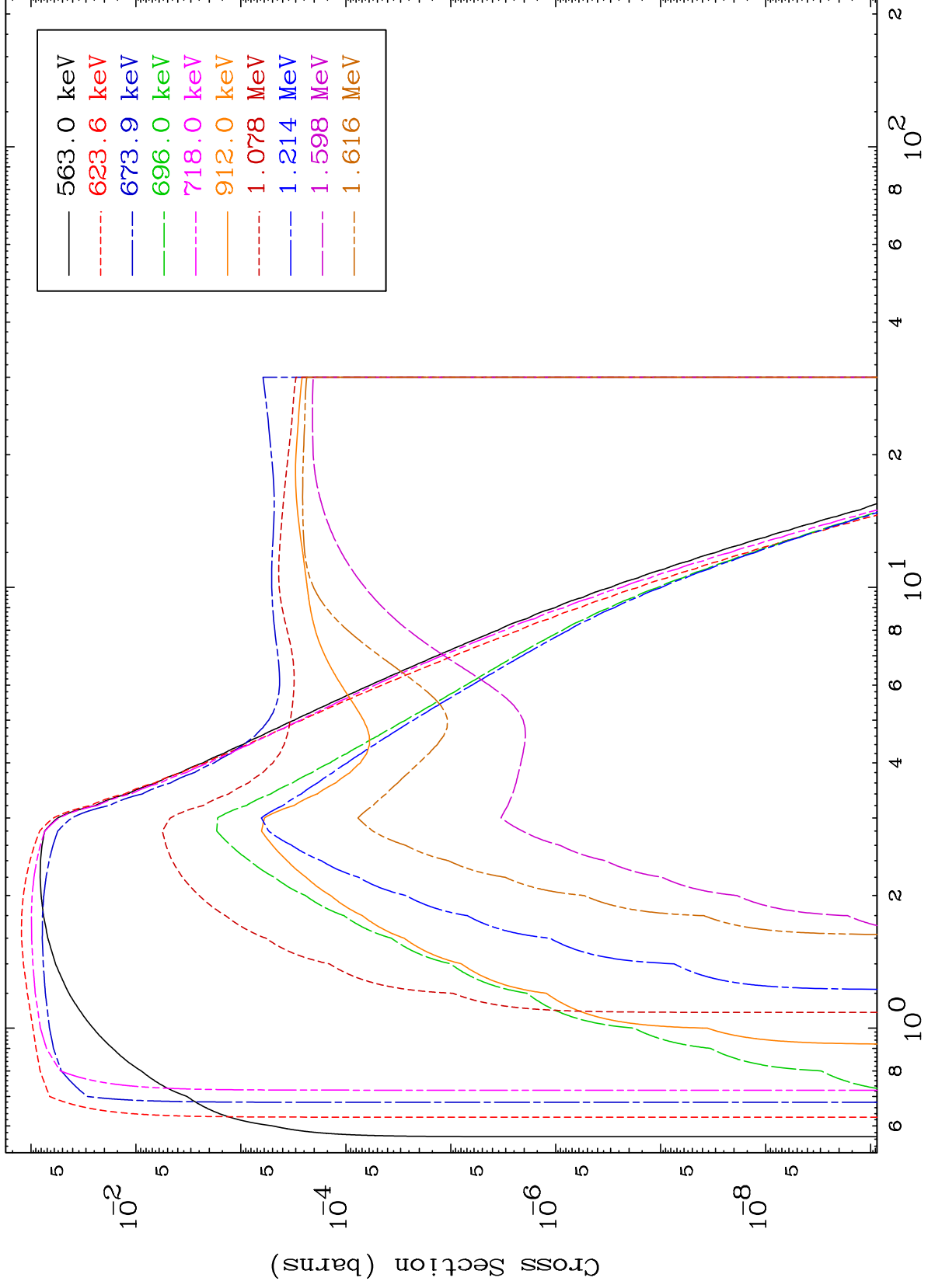
59-Pr-138



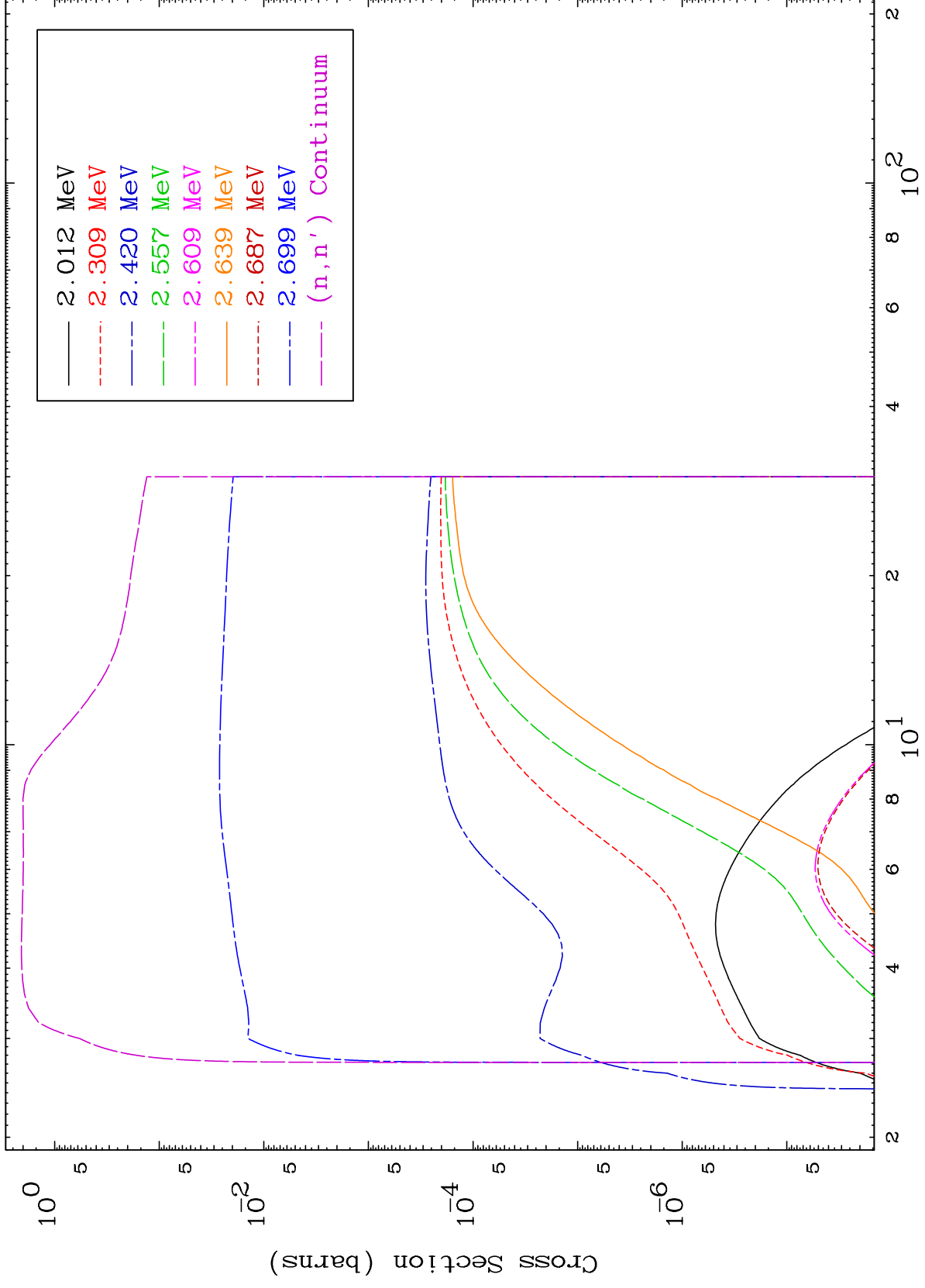


293 Kelvin Cross Sections





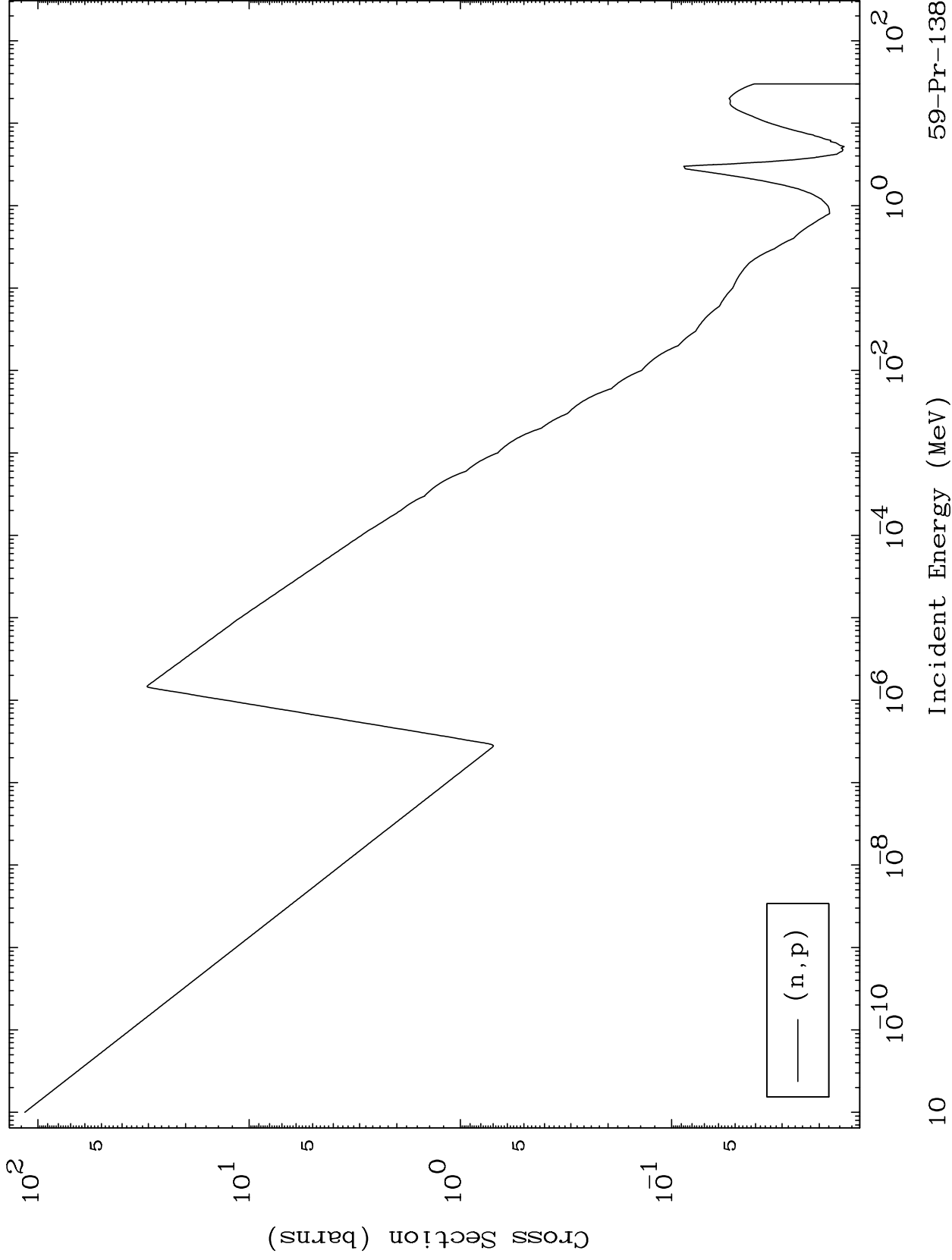
293 Kelvin Cross Sections



MAT 5916

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-138



10

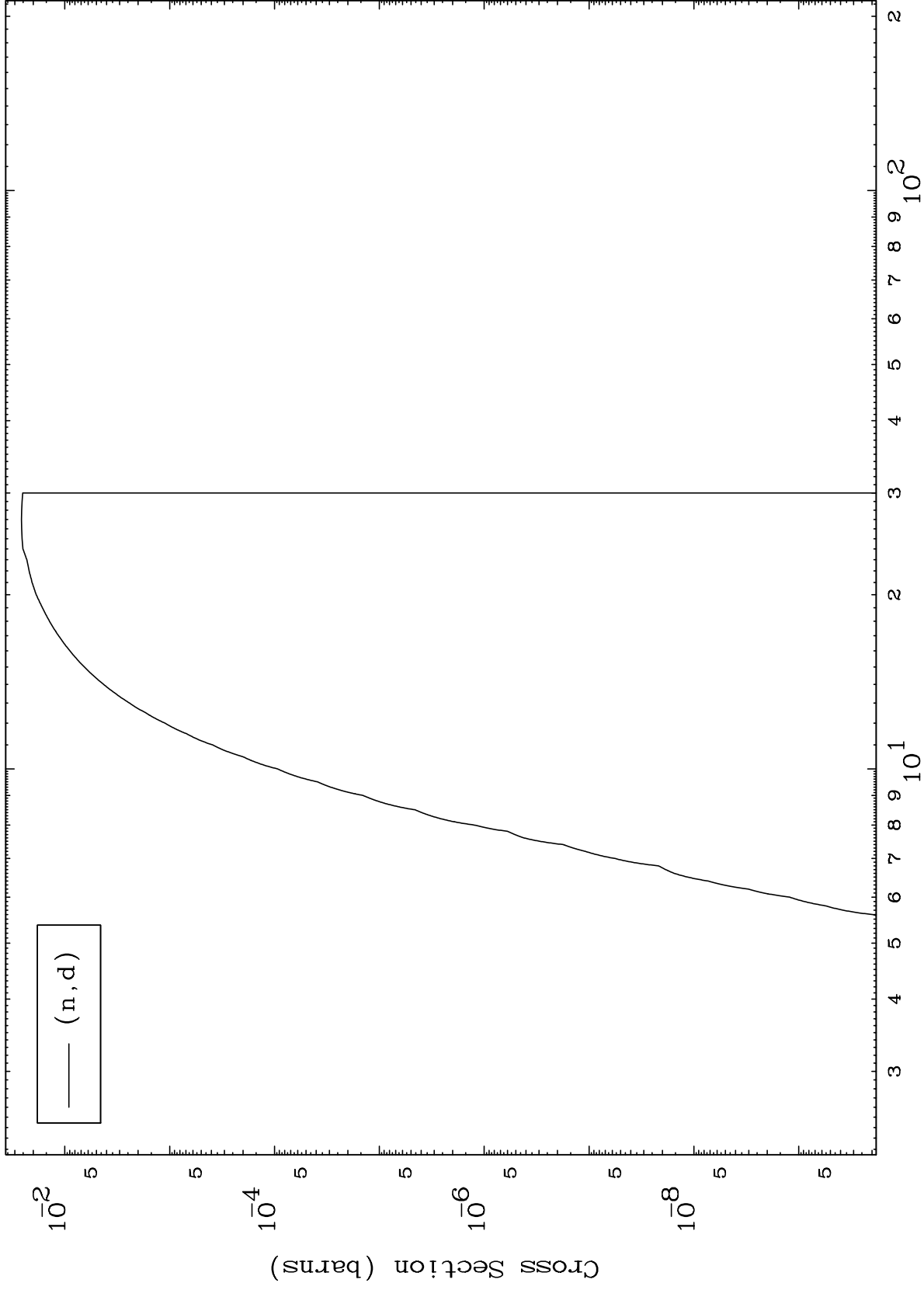
Incident Energy (MeV)

59-Pr-138

MAT 5916

(n,d) Levels
293 Kelvin Cross Sections

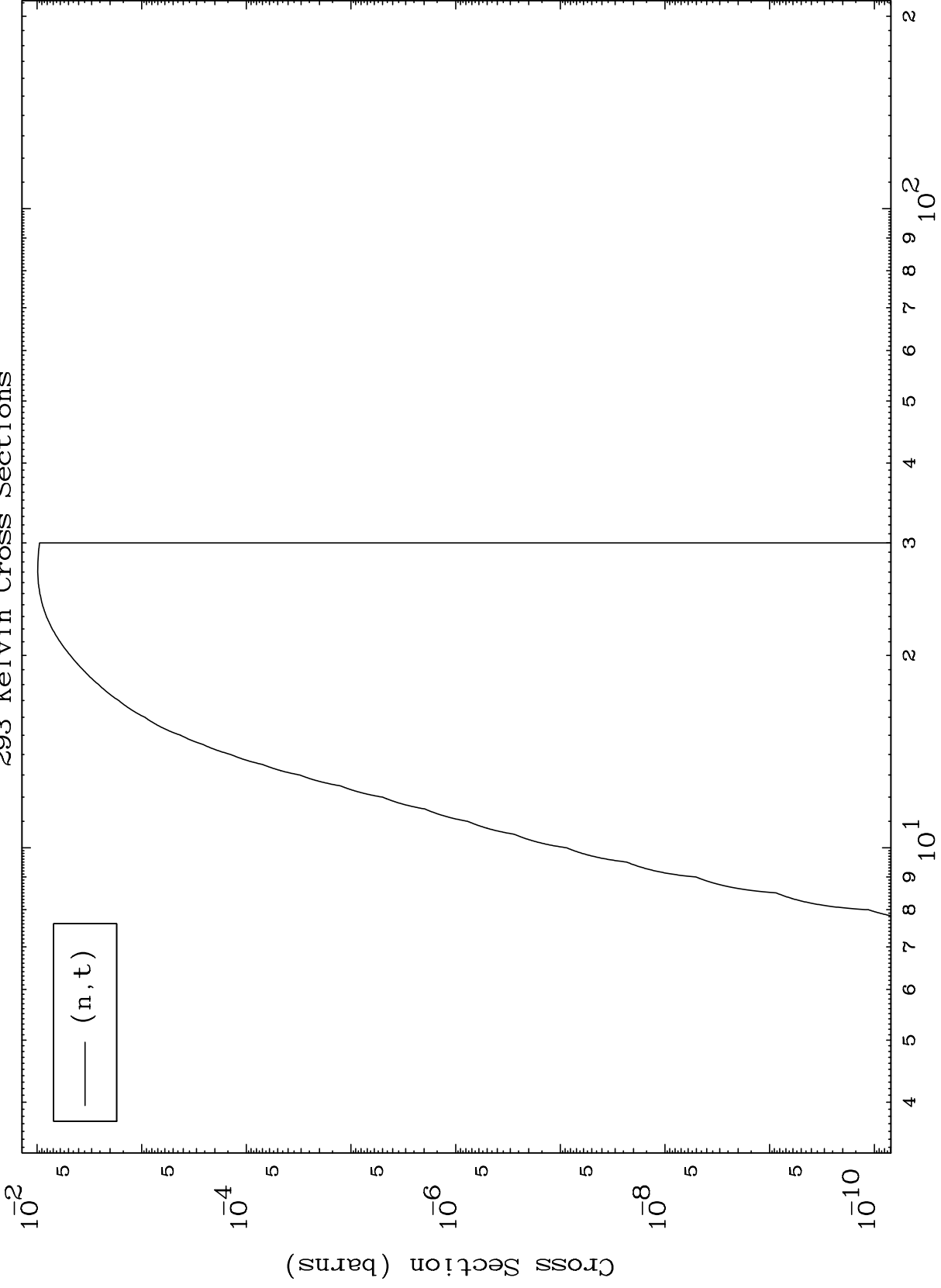
59-Pr-138



MAT 5916

(n,t) Levels
293 Kelvin Cross Sections

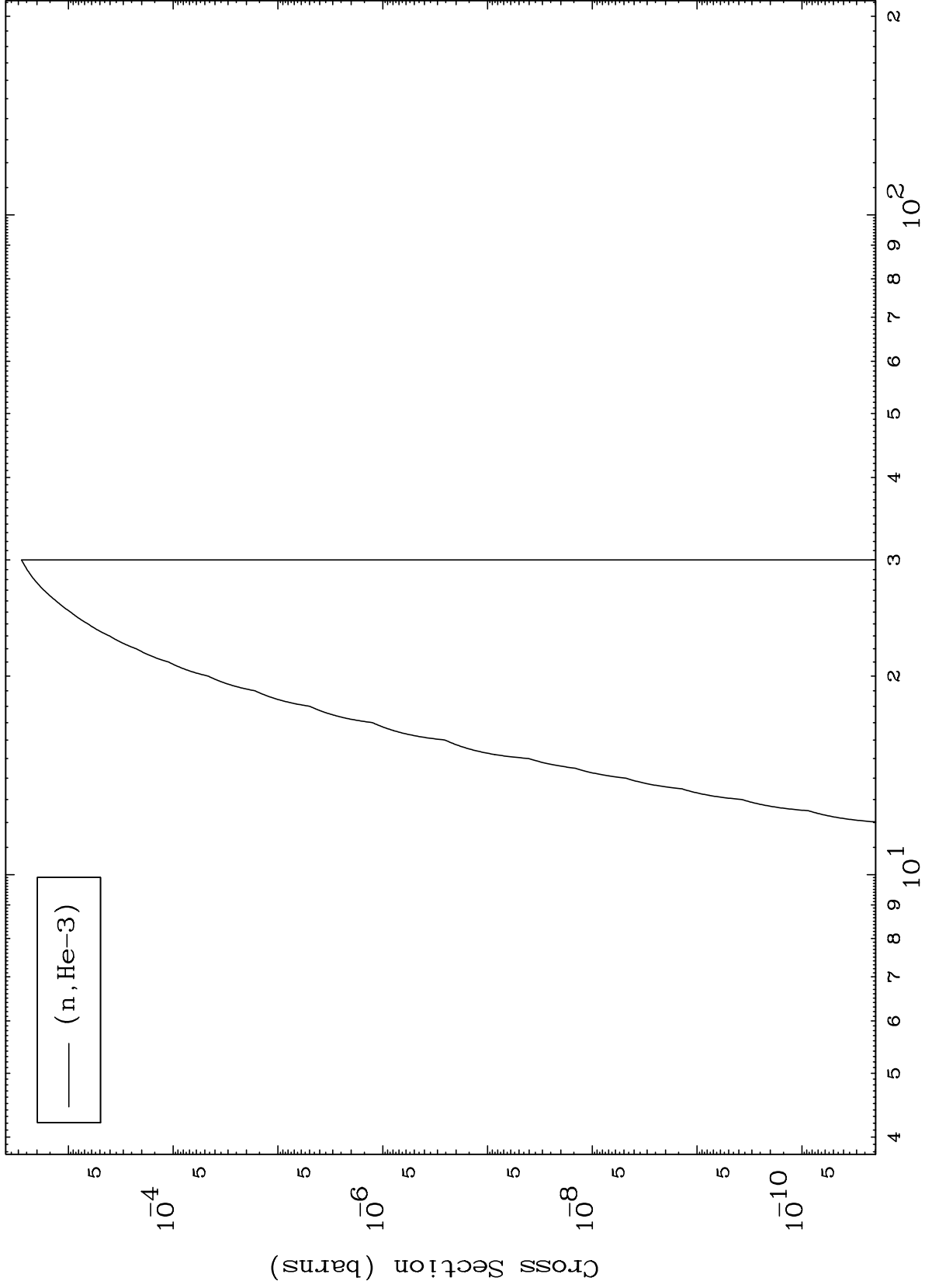
59-Pr-138



12

Incident Energy (MeV)

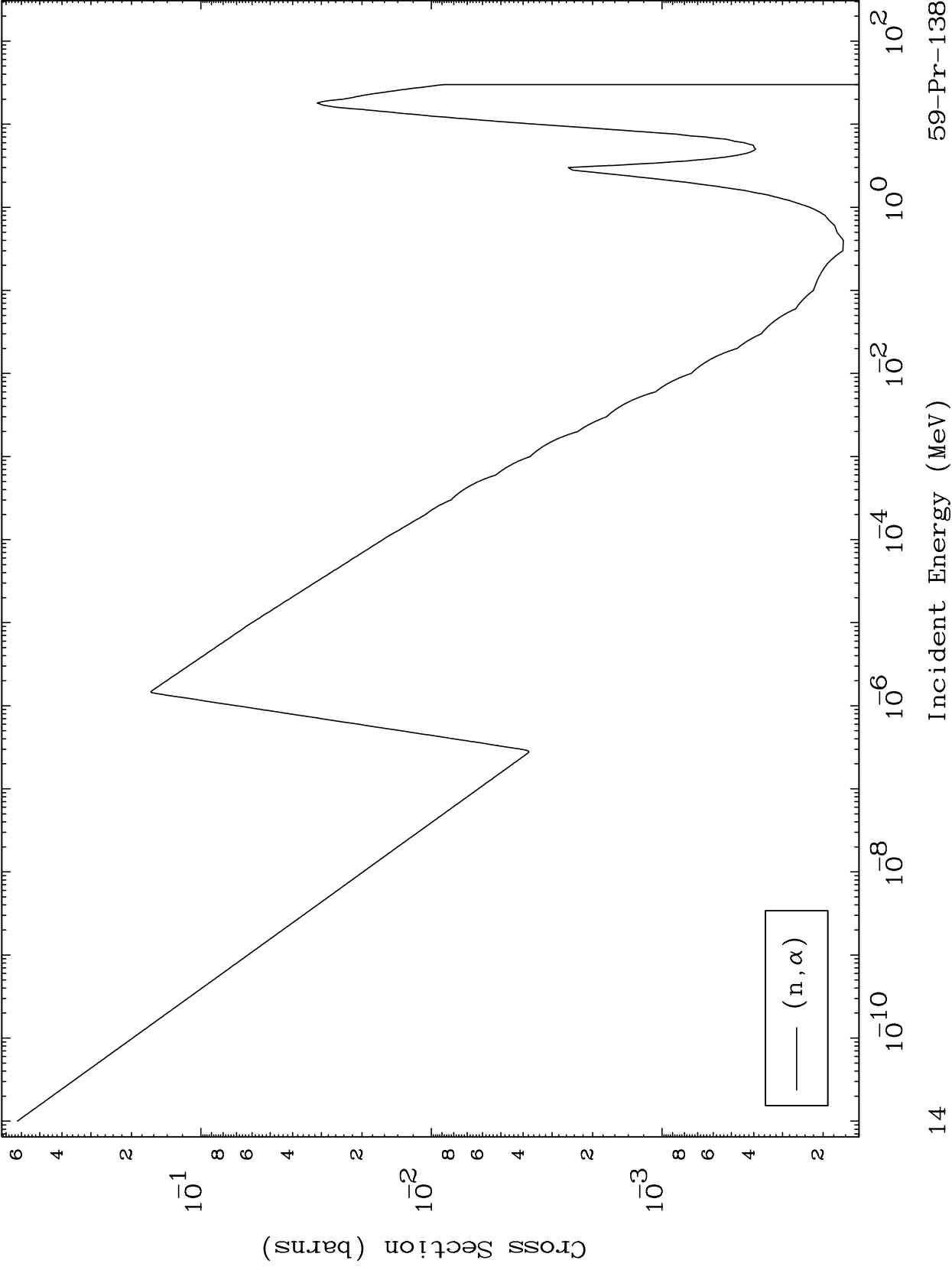
59-Pr-138



MAT 5916

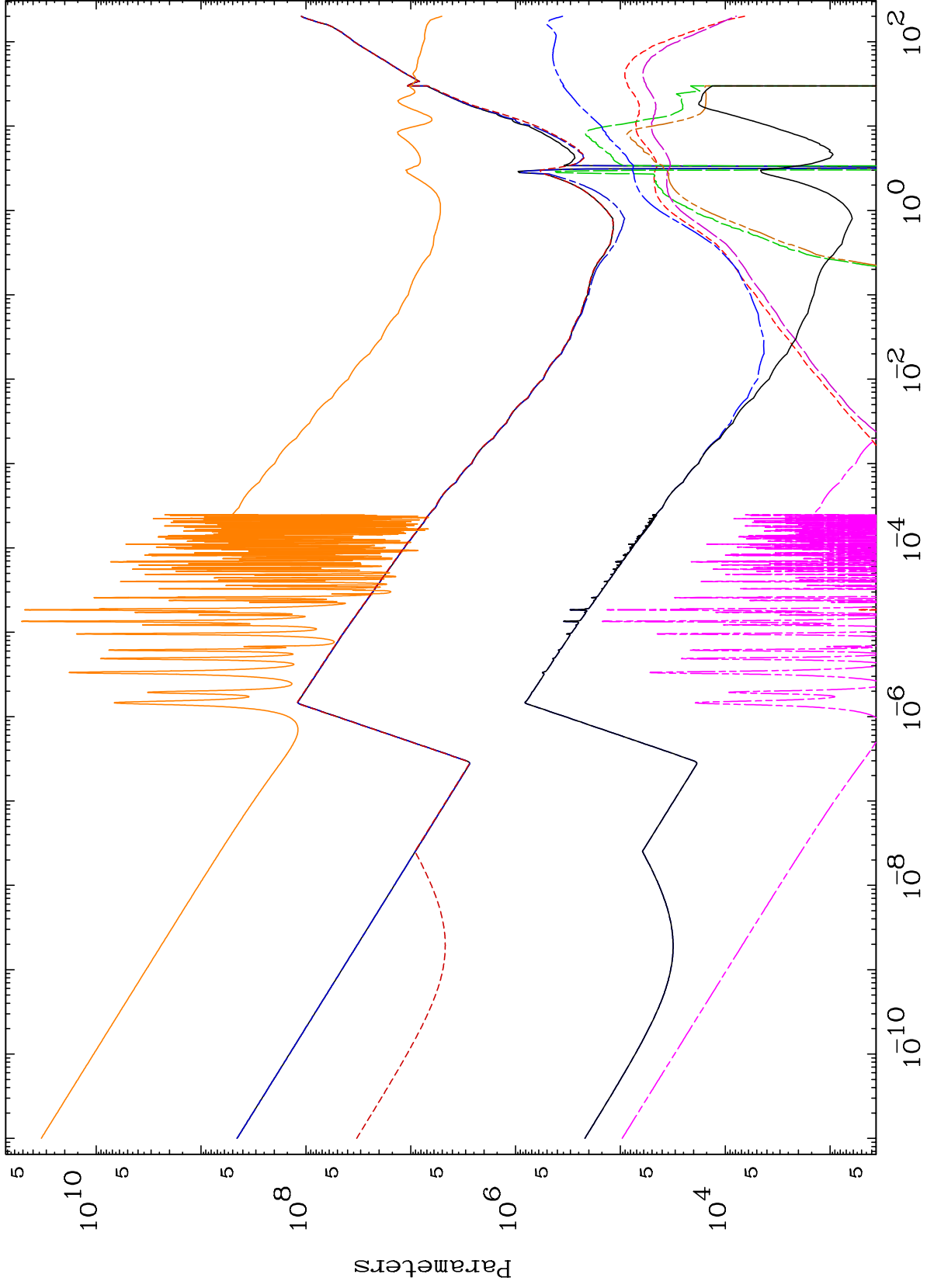
(n, α) Levels
293 Kelvin Cross Sections

59-Pr-138



14

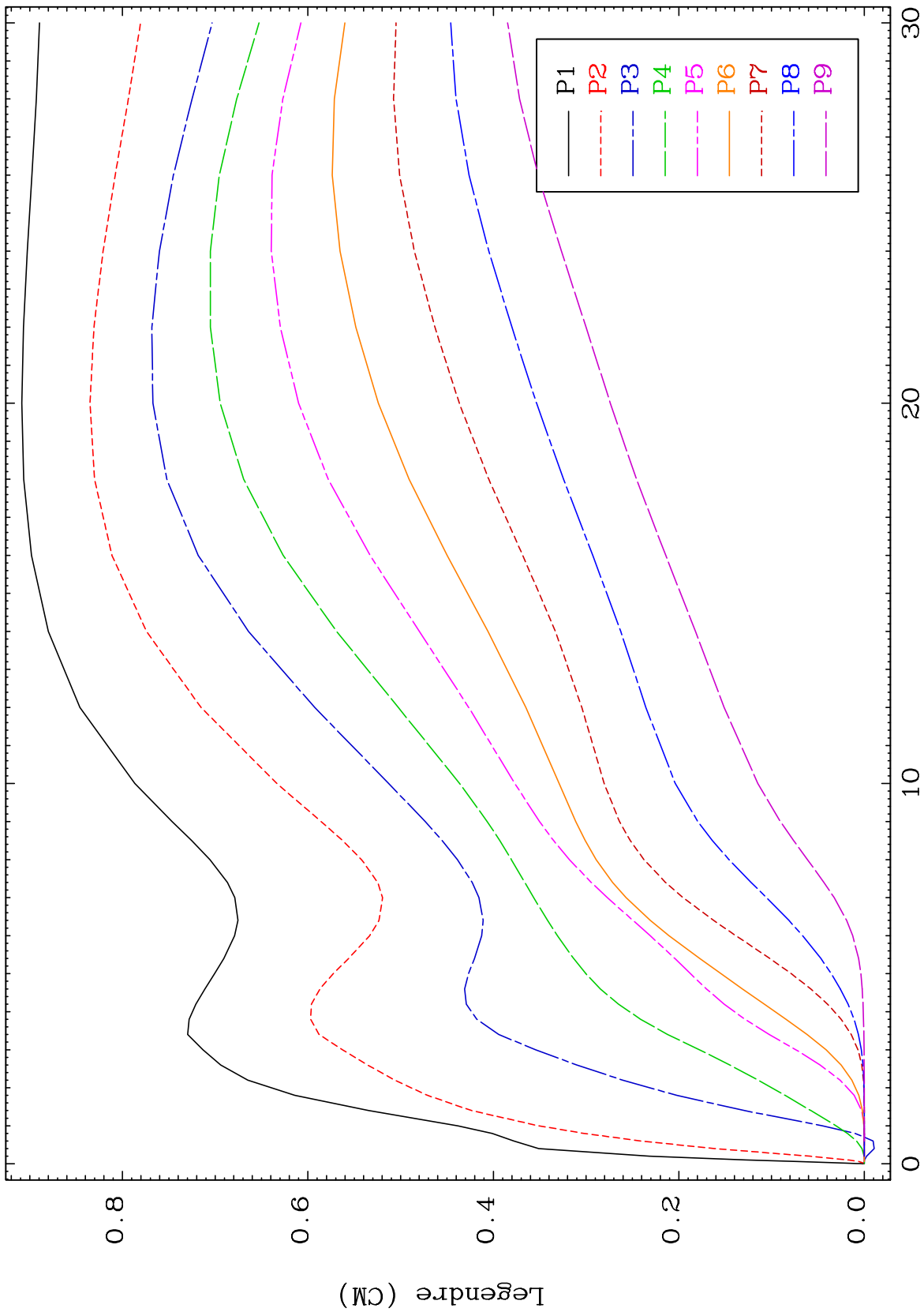
59-Pr-138



MAT 5916

59-Pr-138

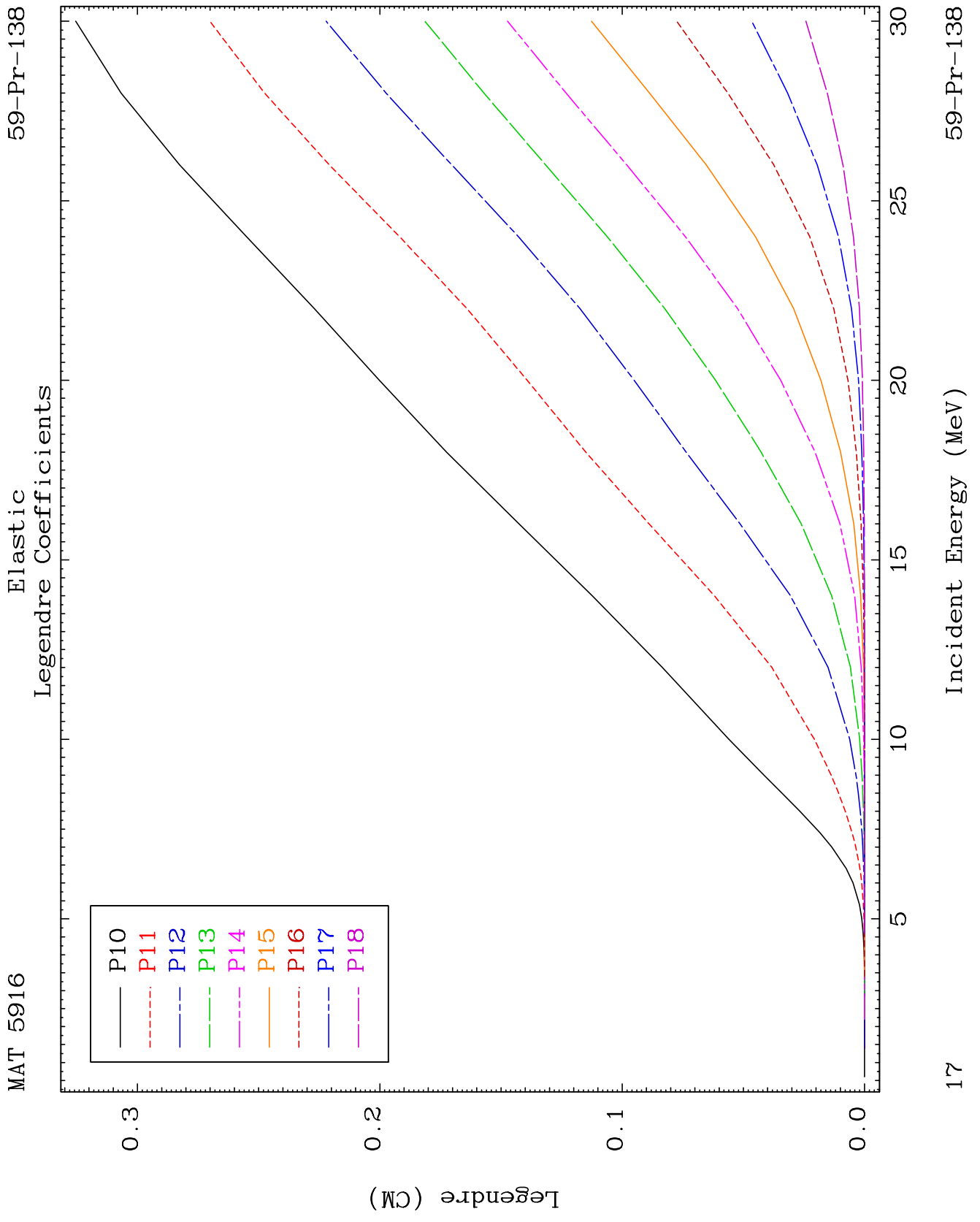
Elastic Legendre Coefficients



59-Pr-138

Incident Energy (MeV)

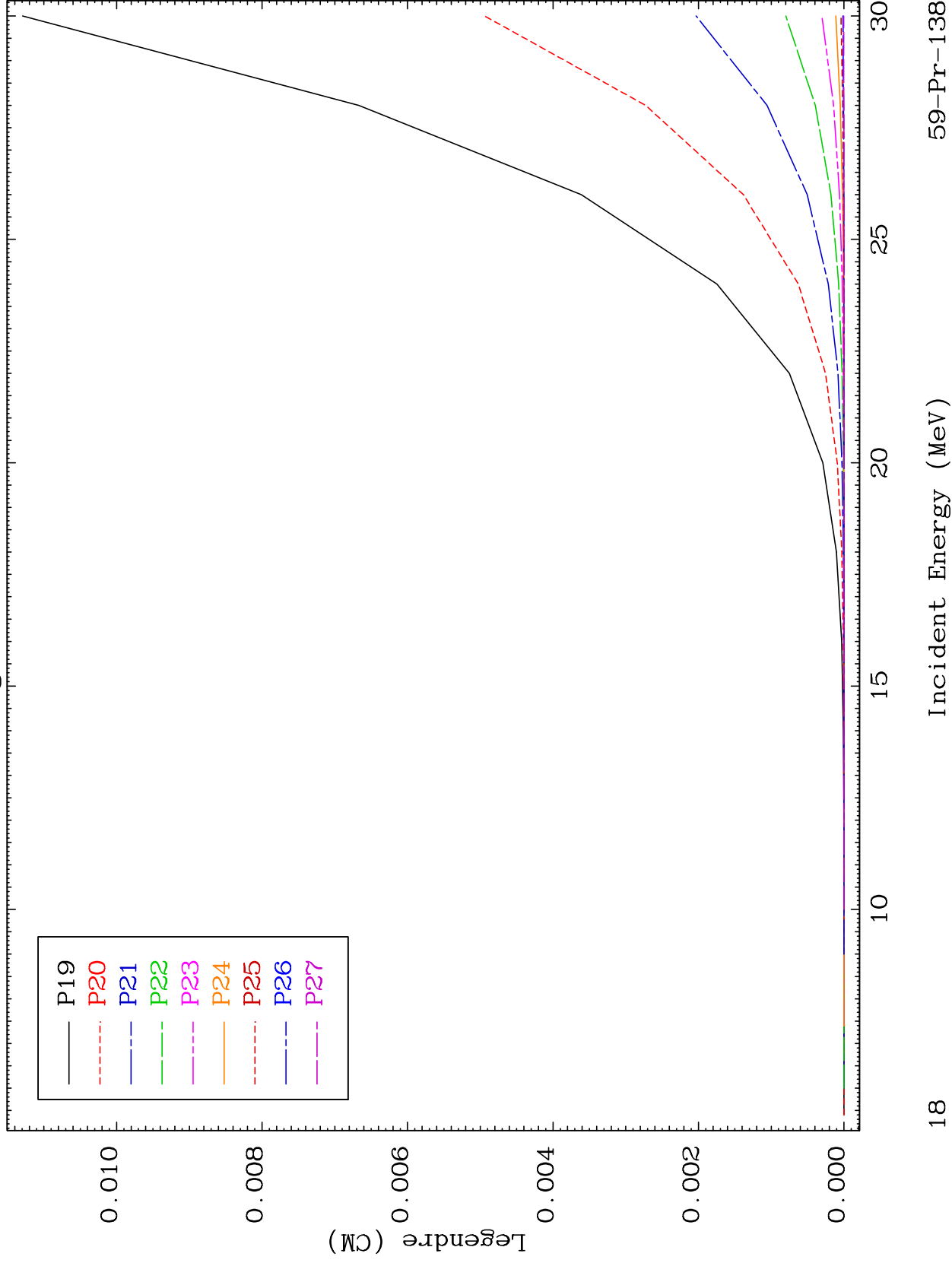
16



MAT 5916

Elastic Legendre Coefficients

59-Pr-138



18

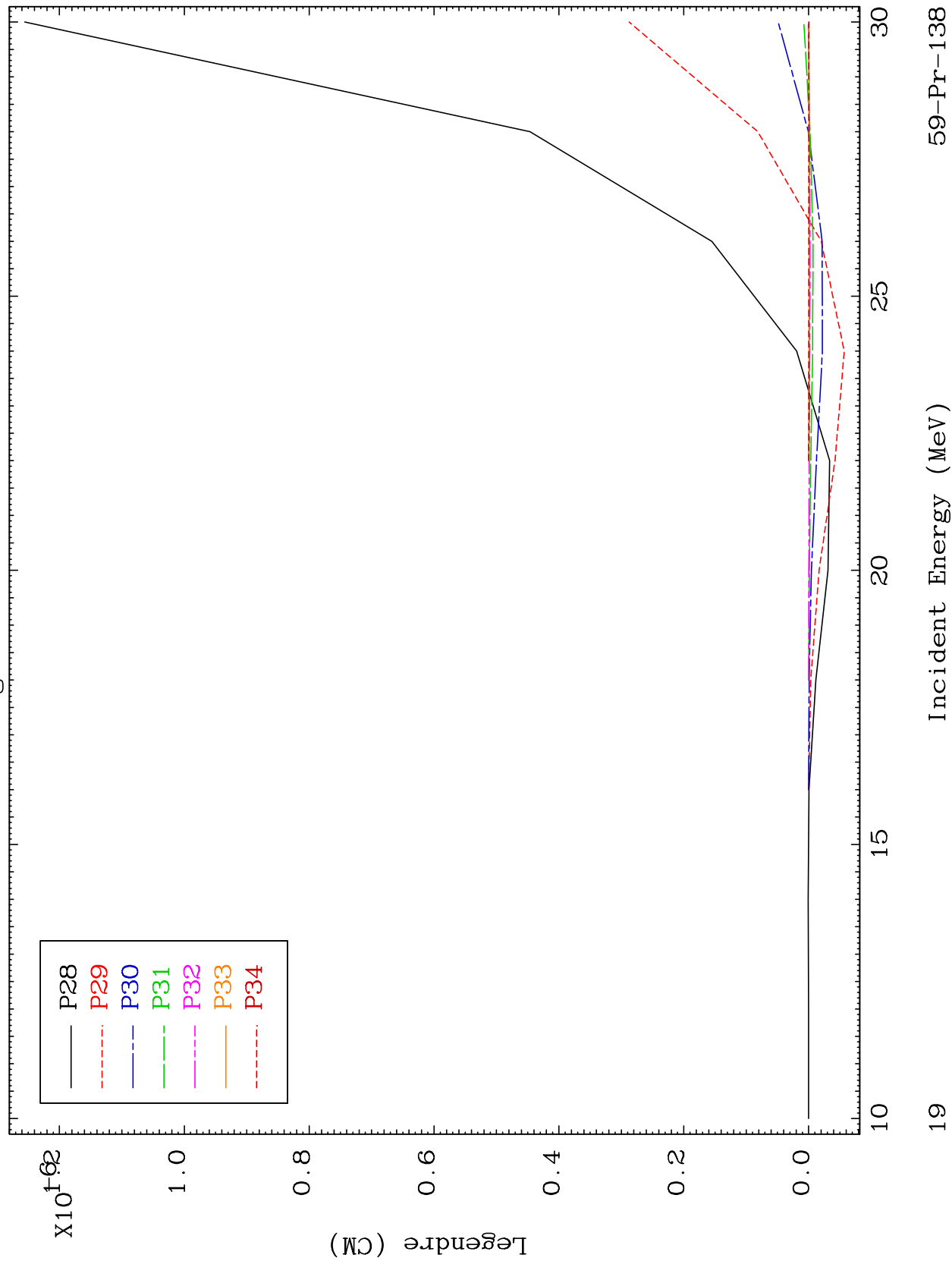
Incident Energy (MeV)

59-Pr-138

MAT 5916

Elastic Legendre Coefficients

59-Pr-138



19

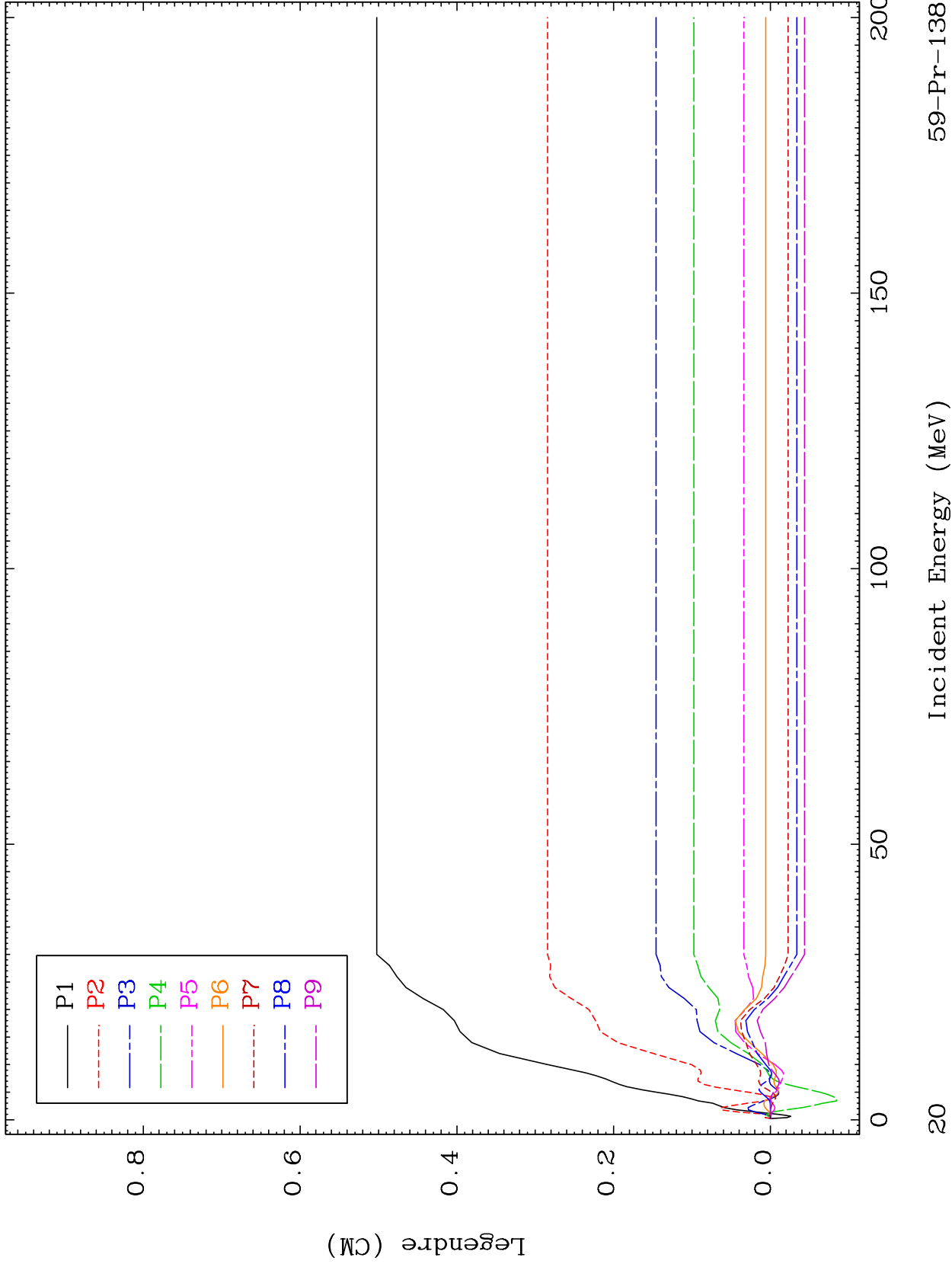
Incident Energy (MeV)

59-Pr-138

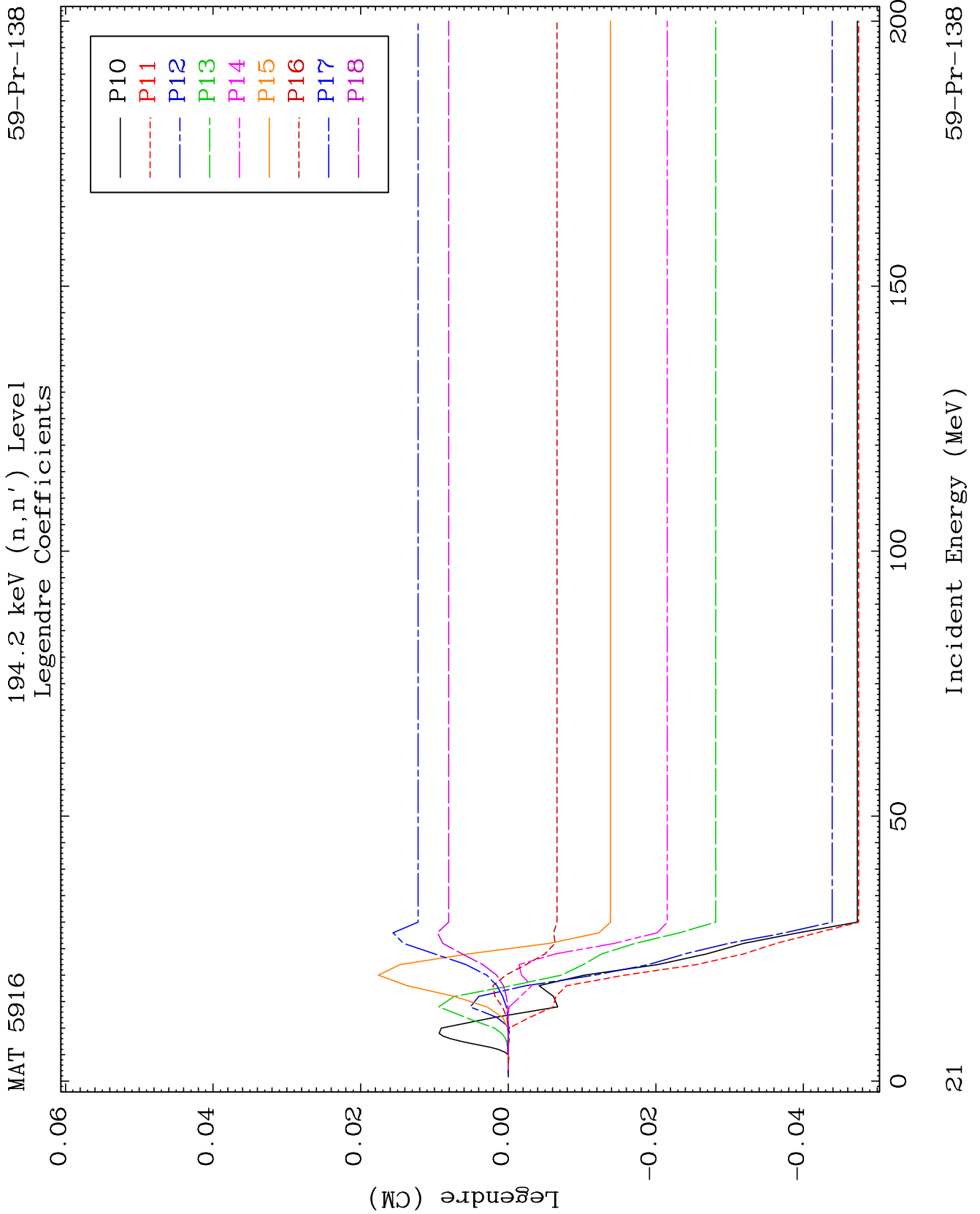
MAT 5916

194.2 keV (n,n') Level
Legendre Coefficients

59-Pr-138



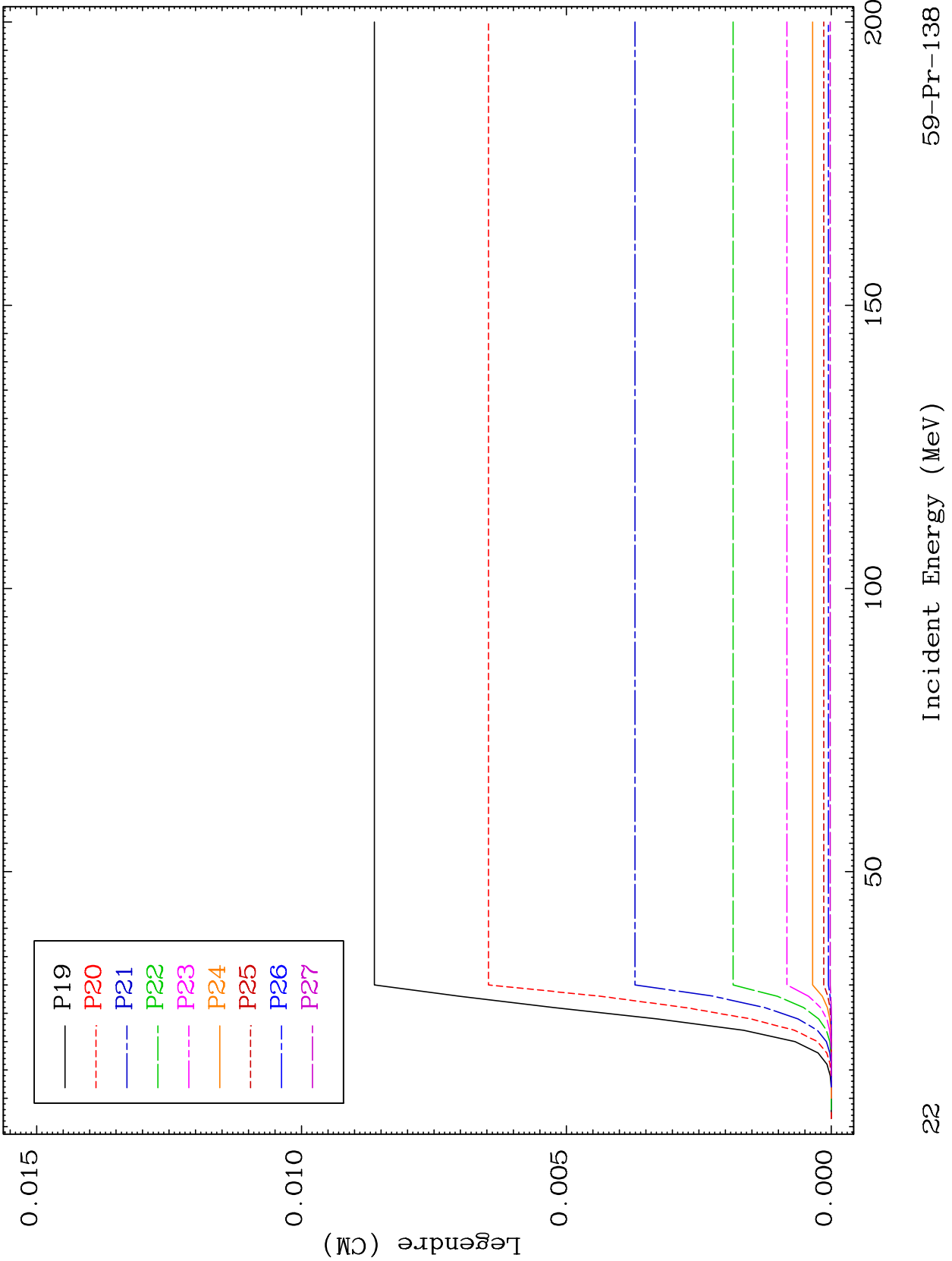
59-Pr-138



MAT 5916

194.2 keV (n,n') Level Legendre Coefficients

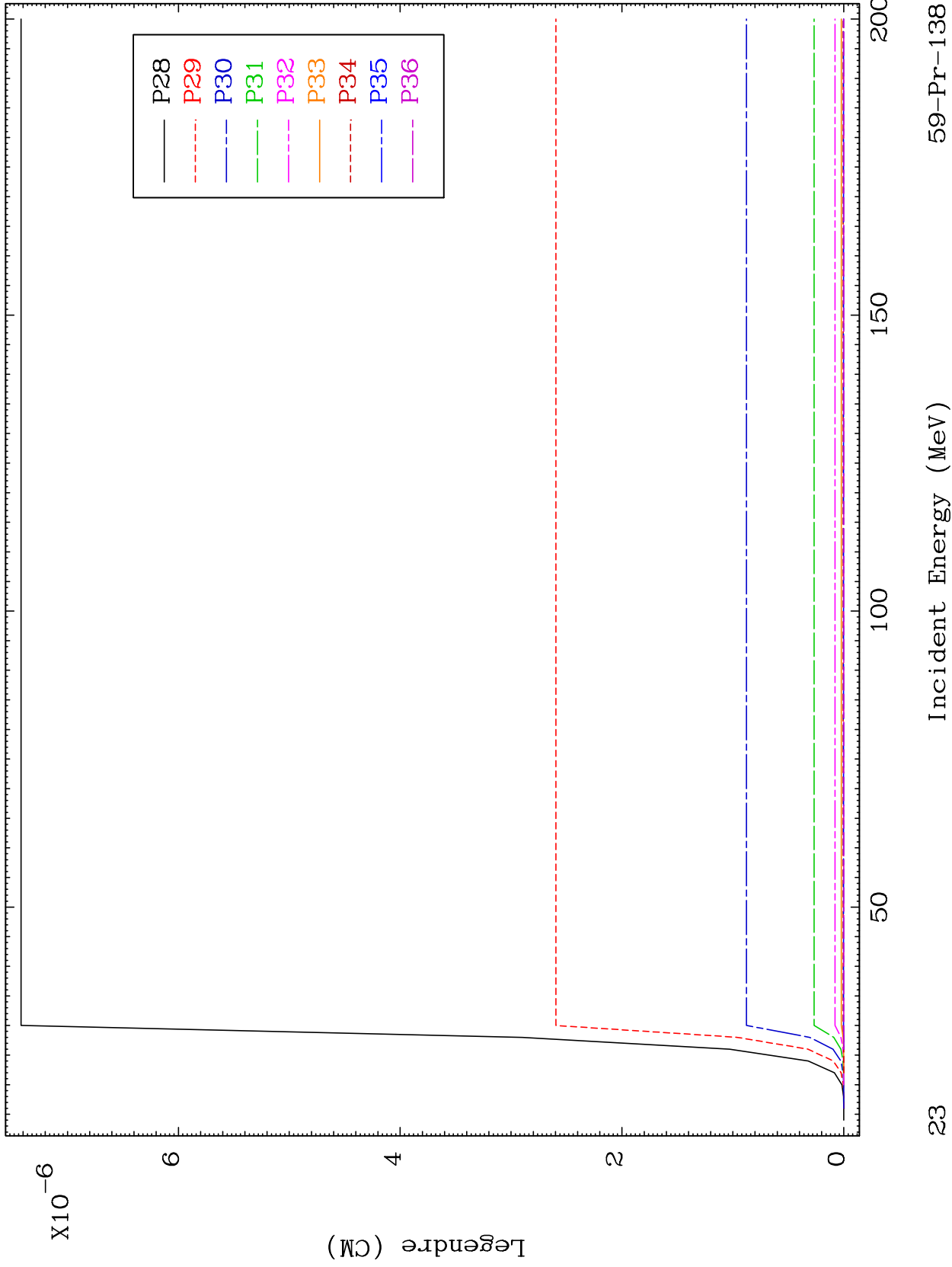
59-Pr-138



MAT 5916

194.2 keV (n, n') Level
Legendre Coefficients

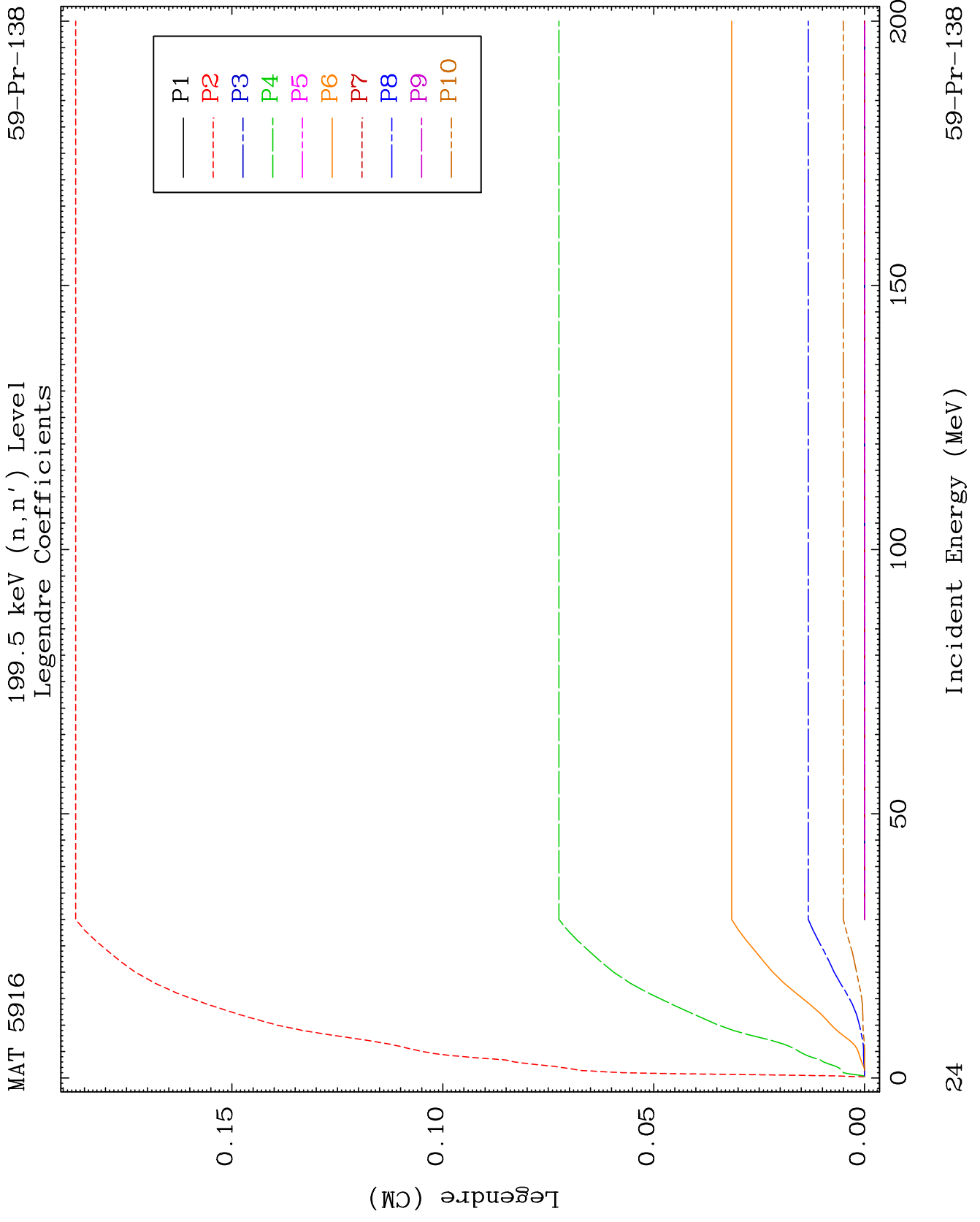
59-Pr-138

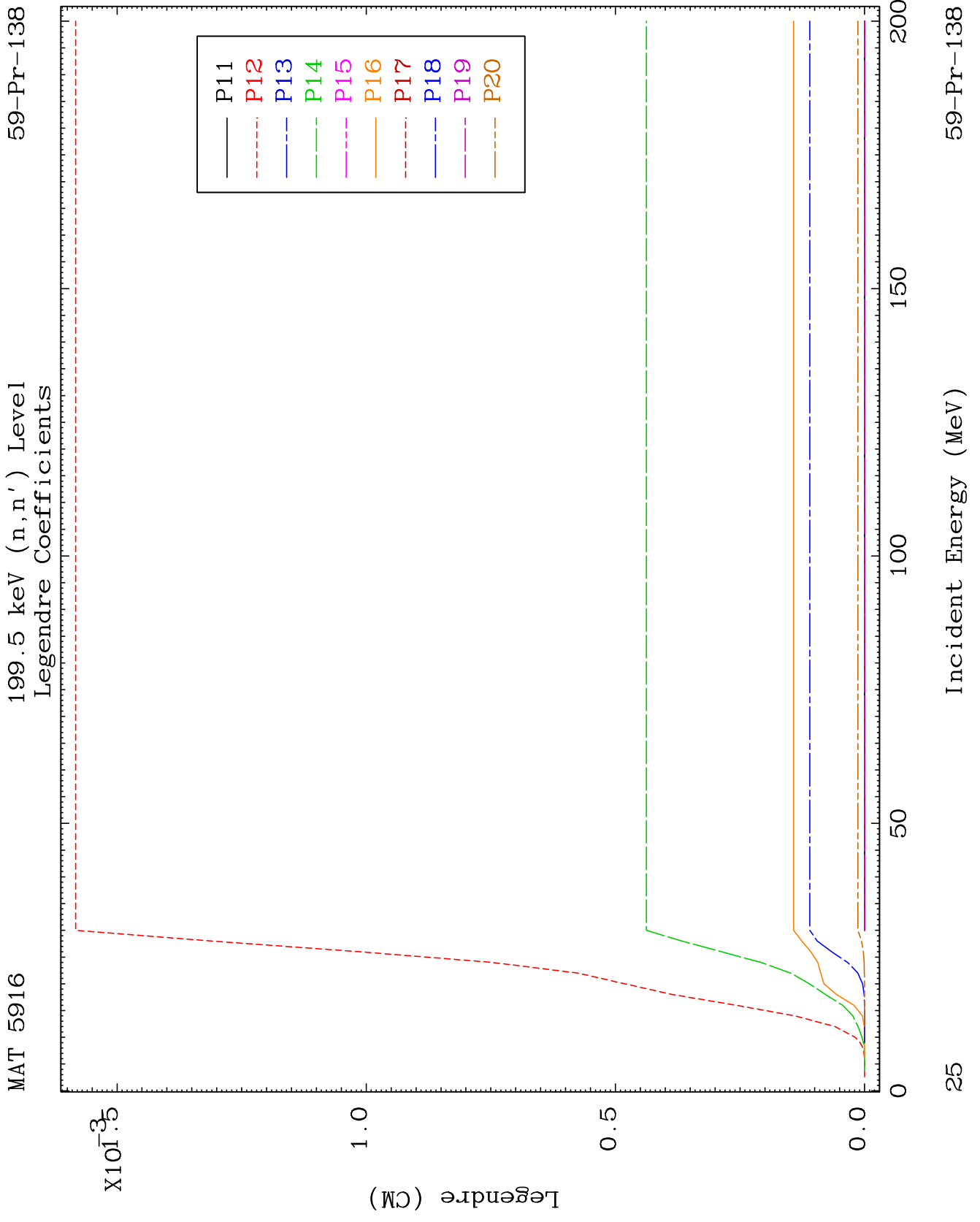


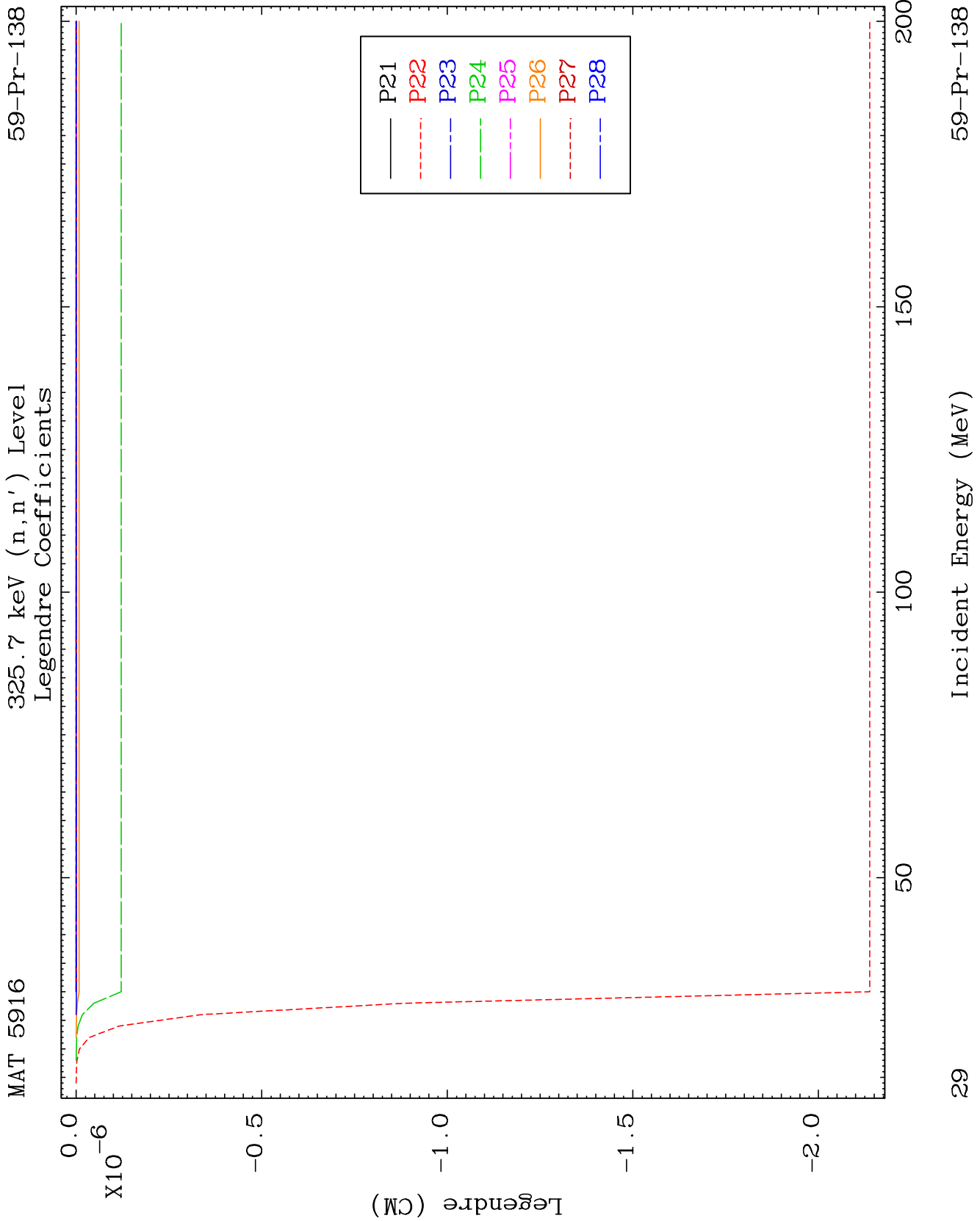
23

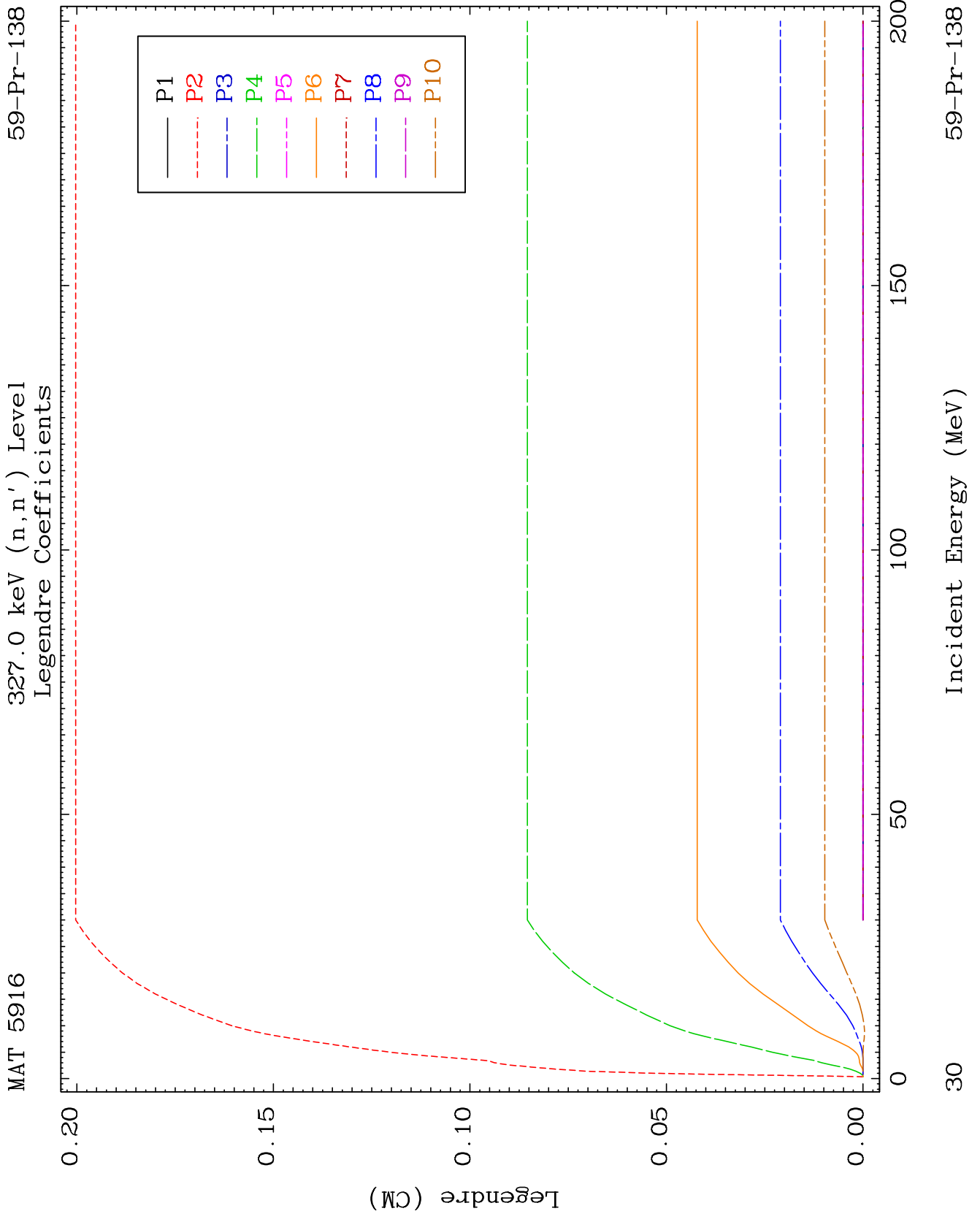
Incident Energy (MeV)

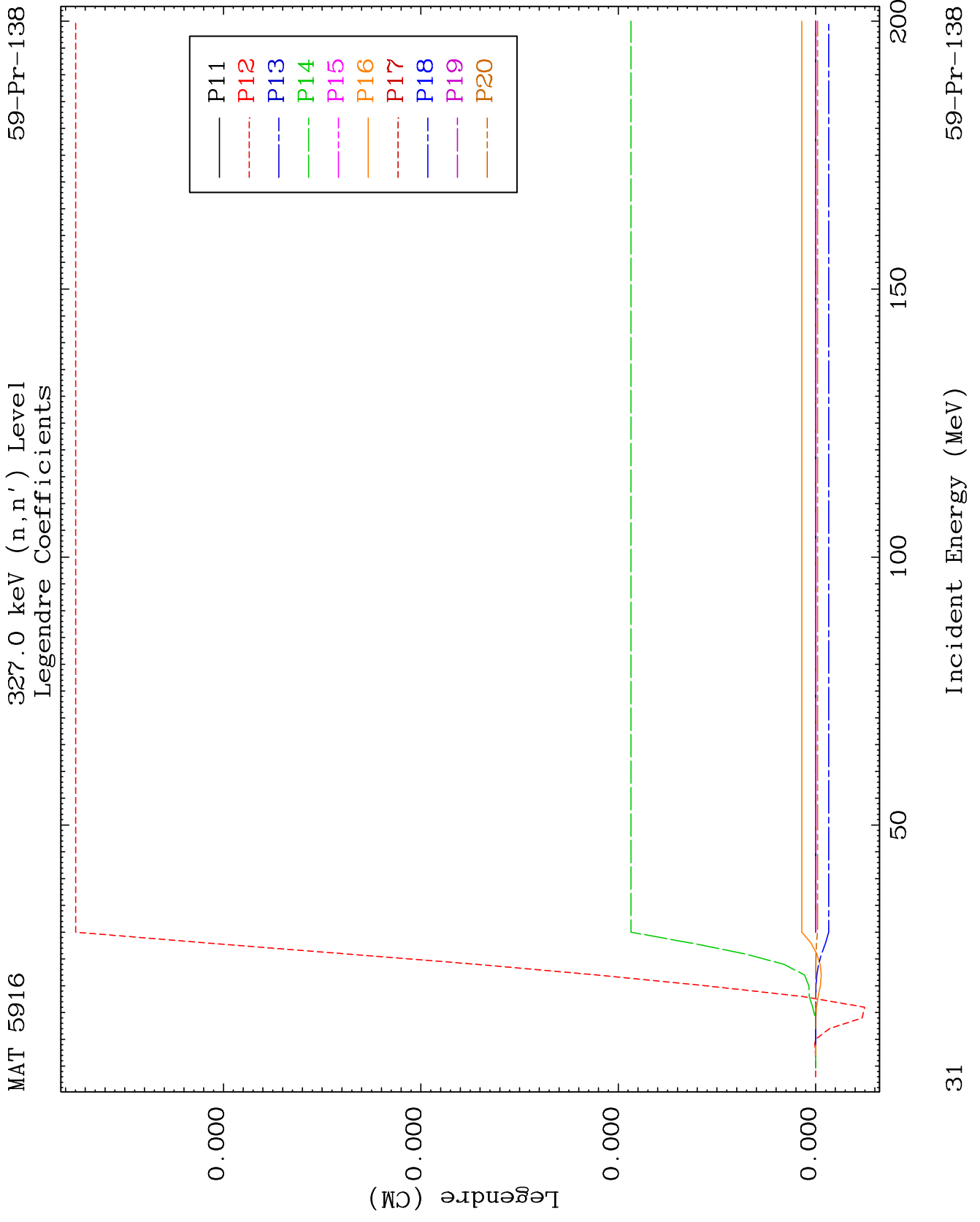
59-Pr-138

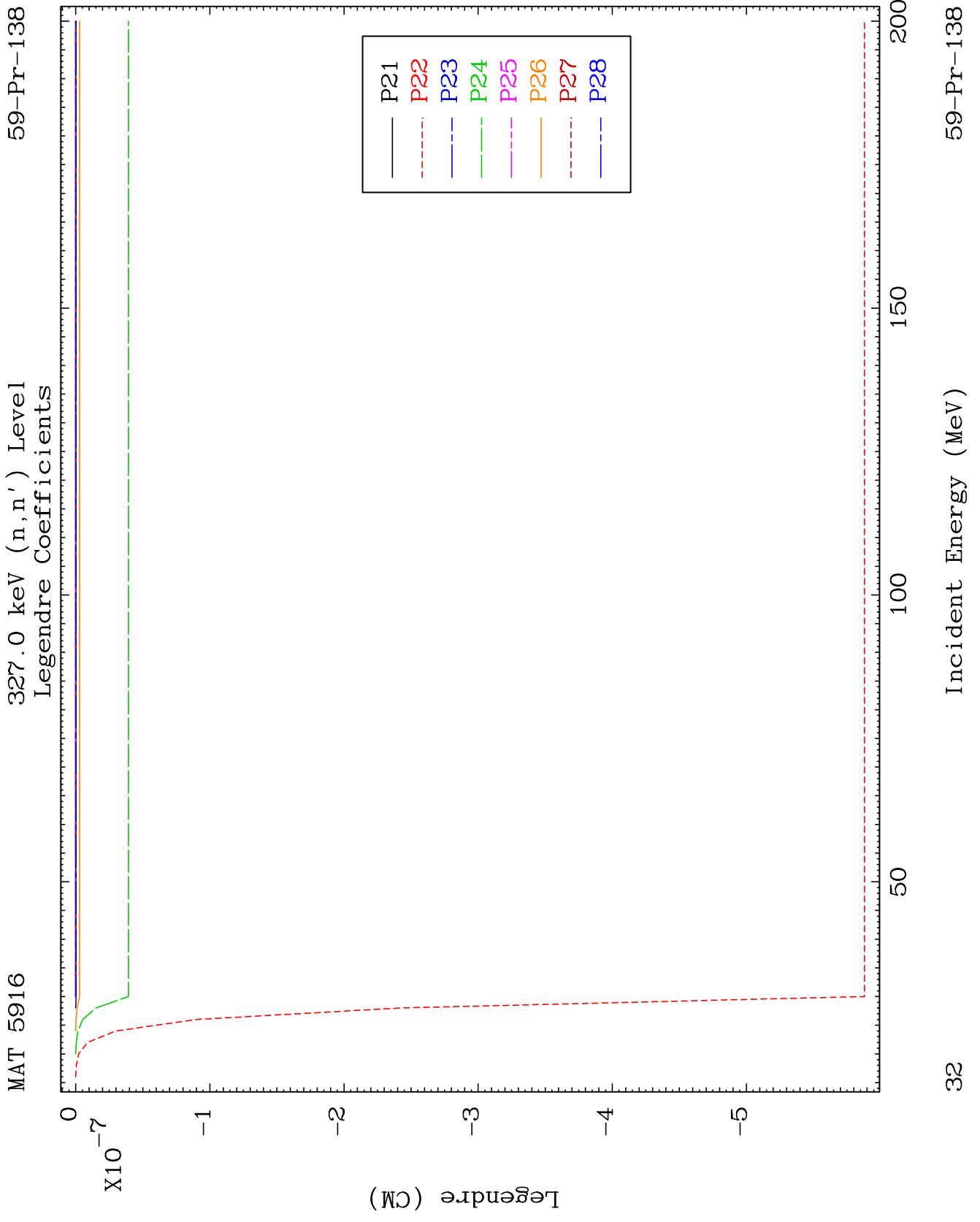








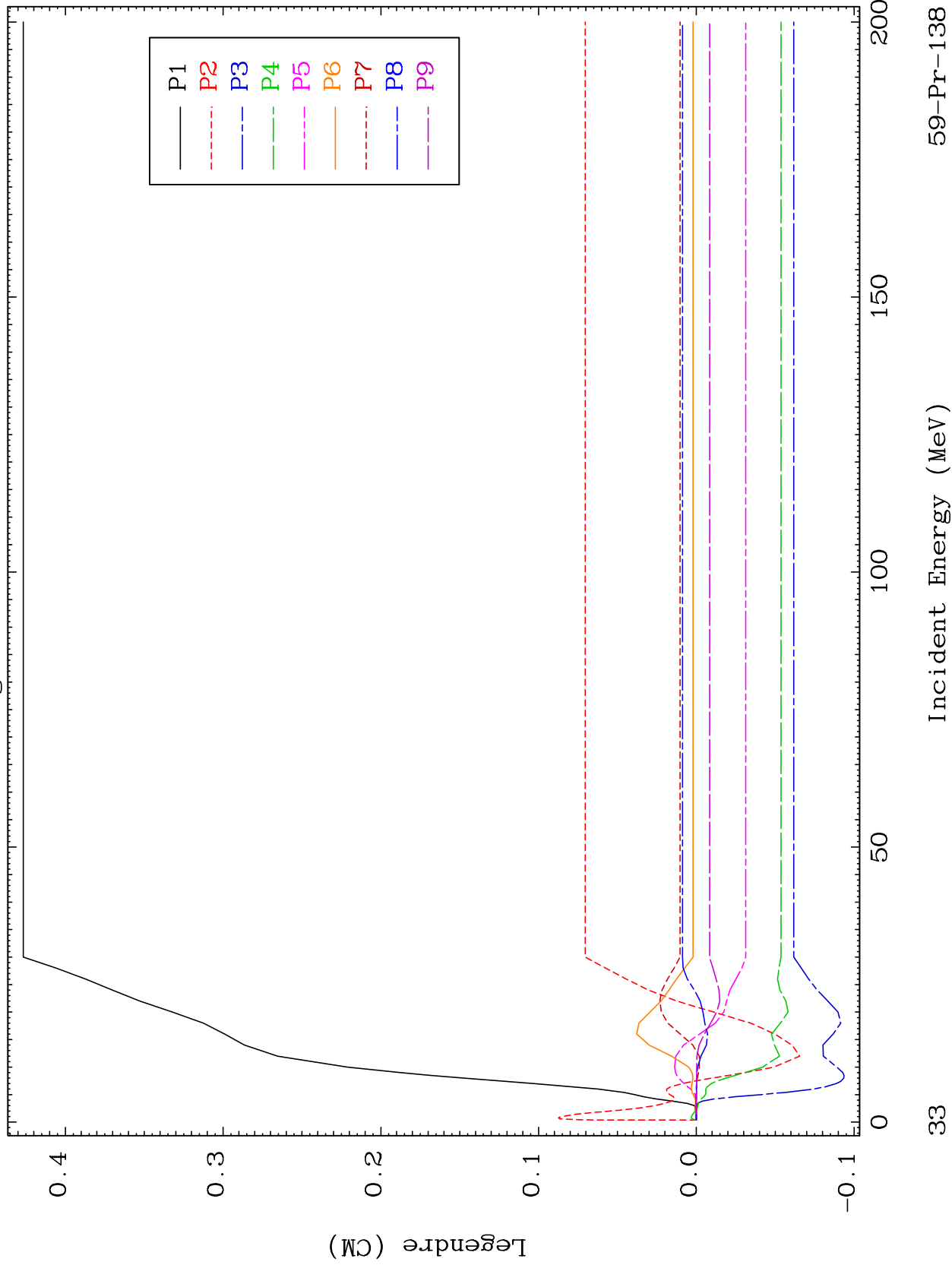




MAT 5916

364.0 keV (n,n') Level
Legendre Coefficients

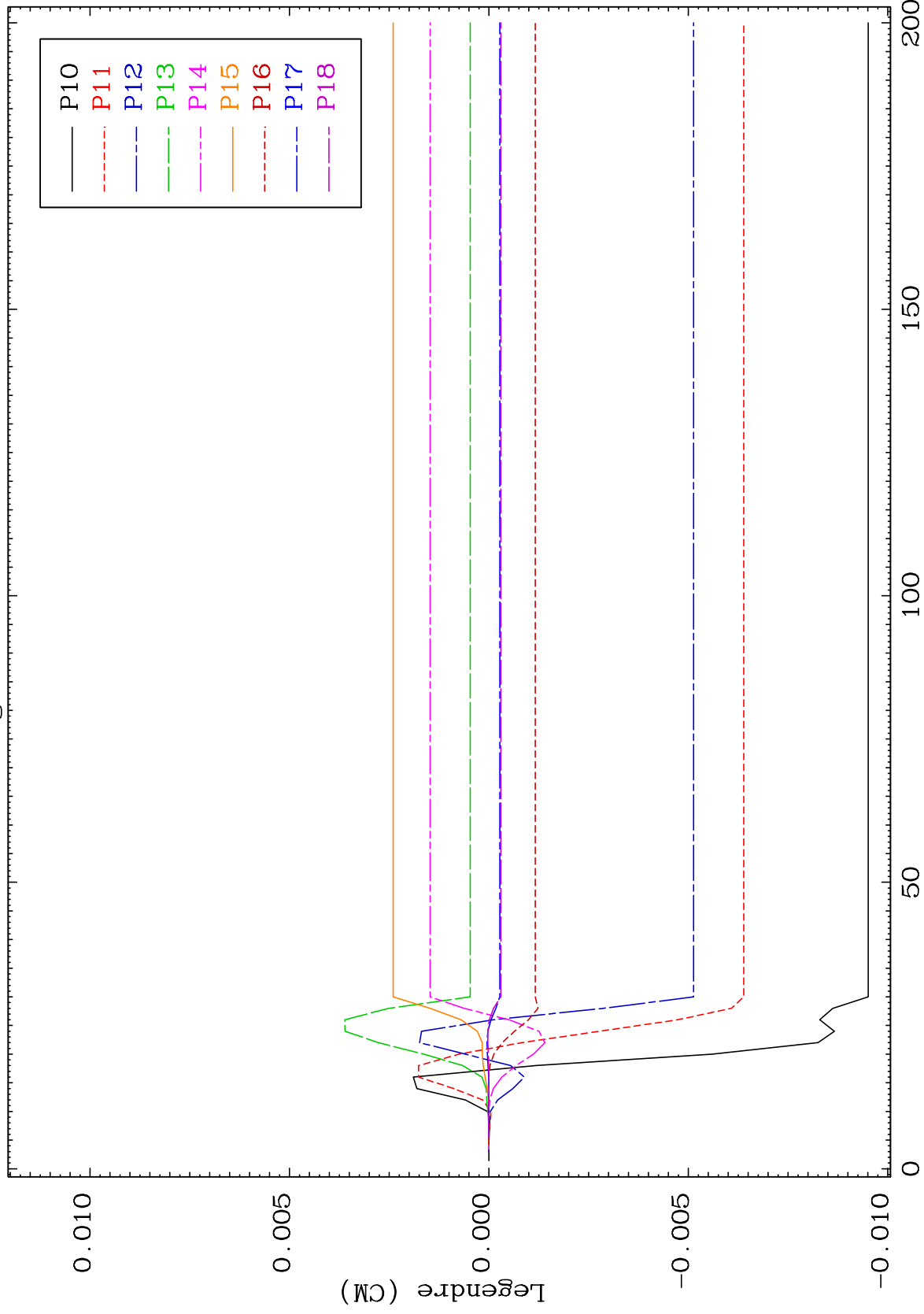
59-Pr-138



MAT 5916

364.0 keV (n,n') Level
Legendre Coefficients

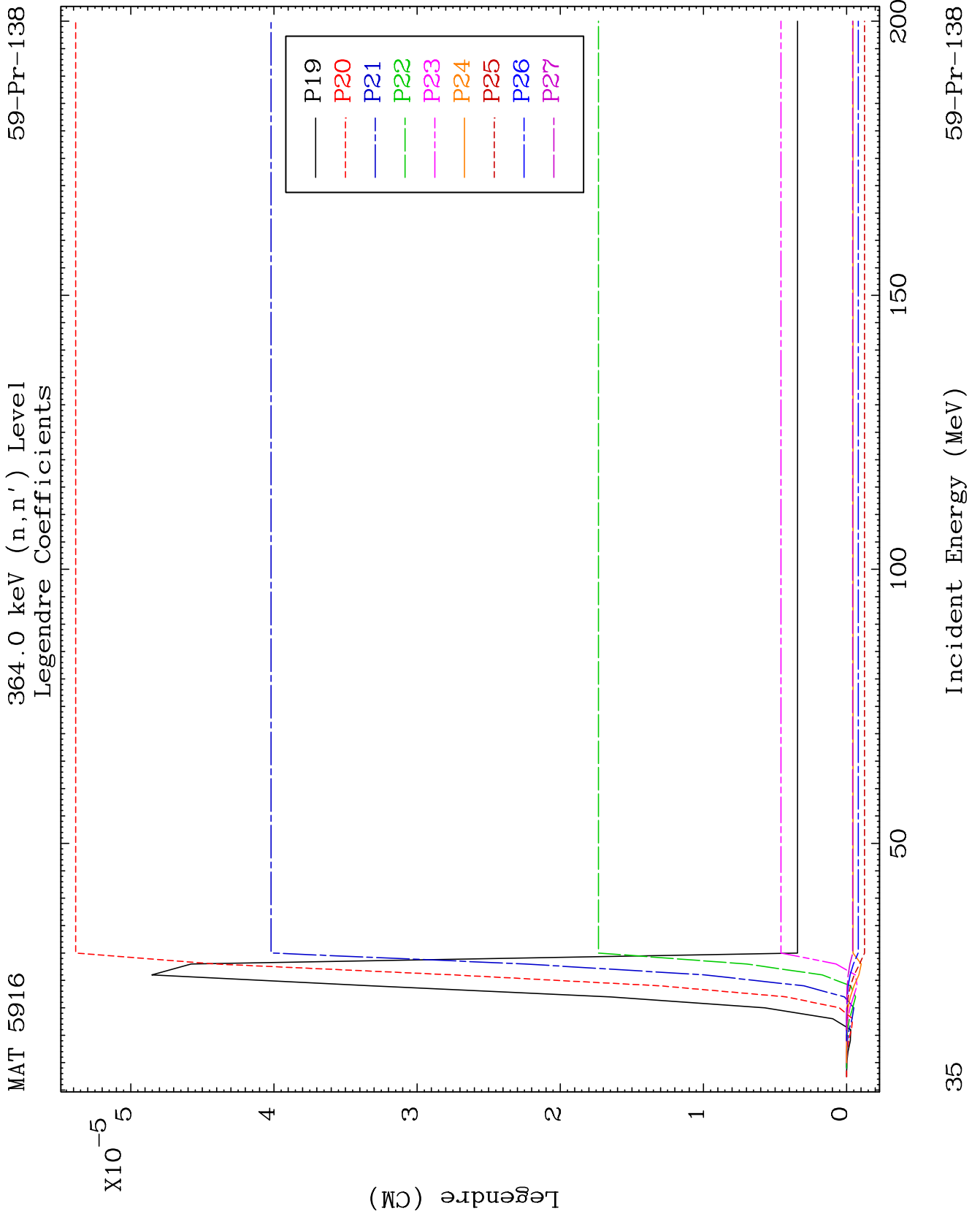
59-Pr-138

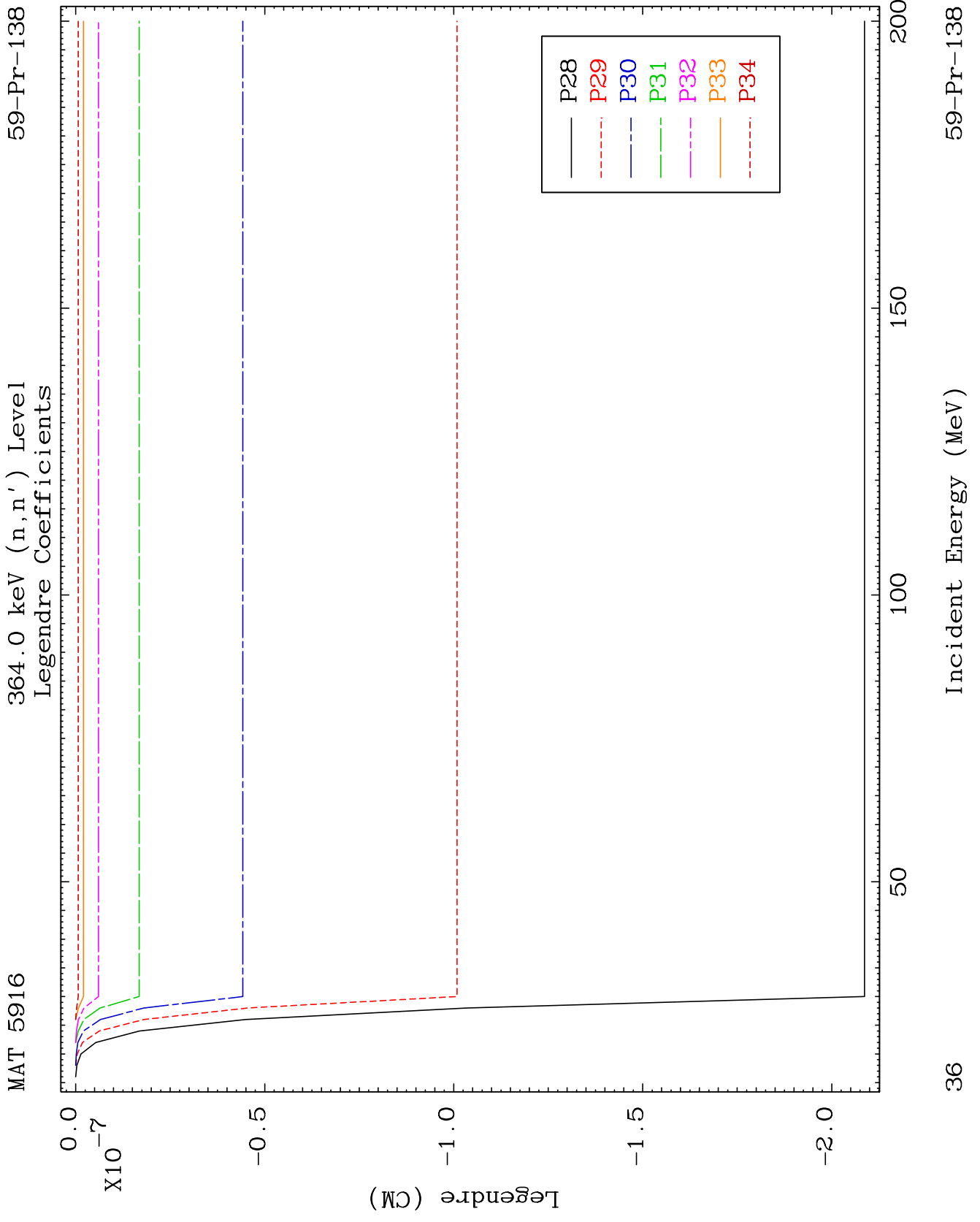


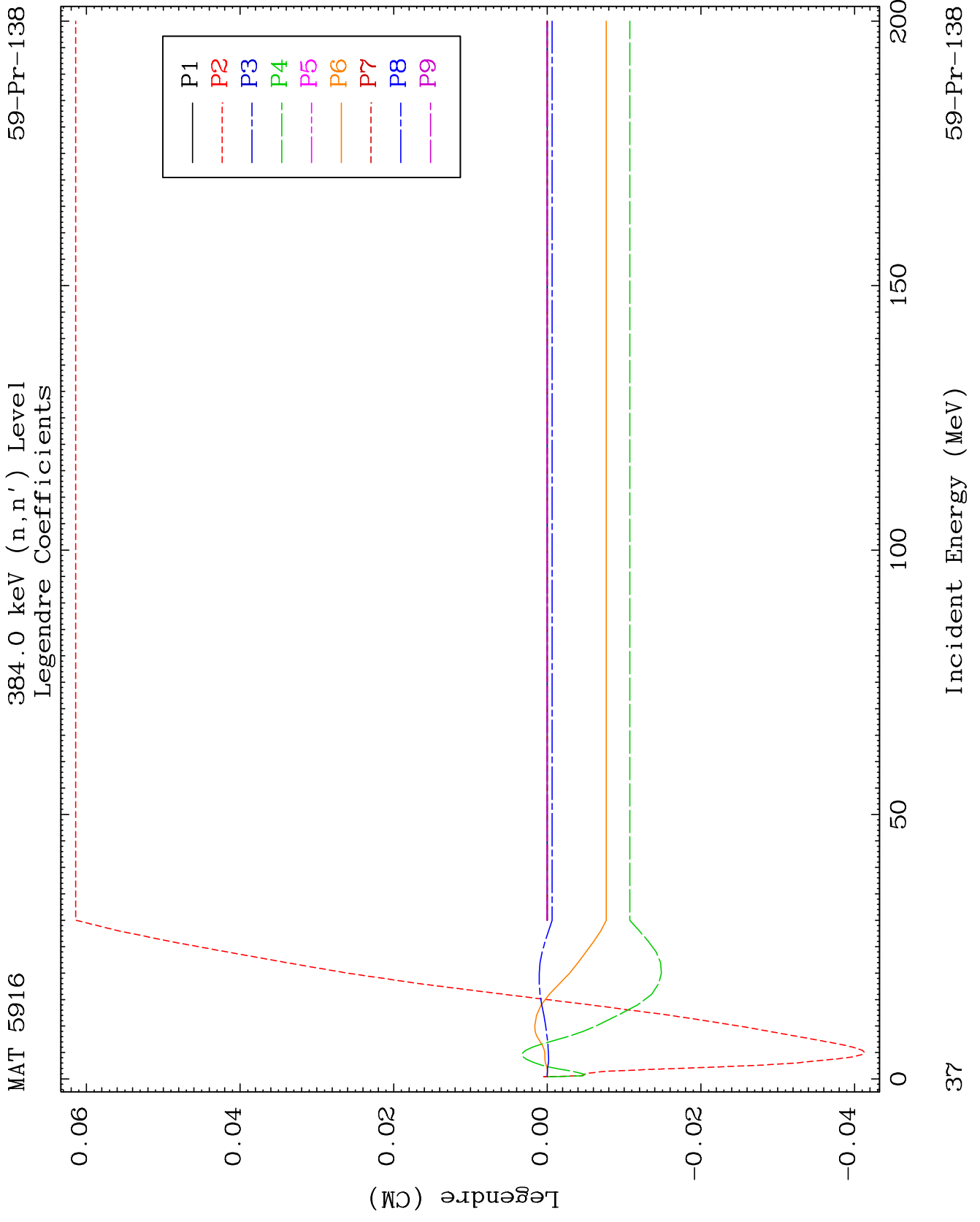
34

Incident Energy (MeV)

59-Pr-138



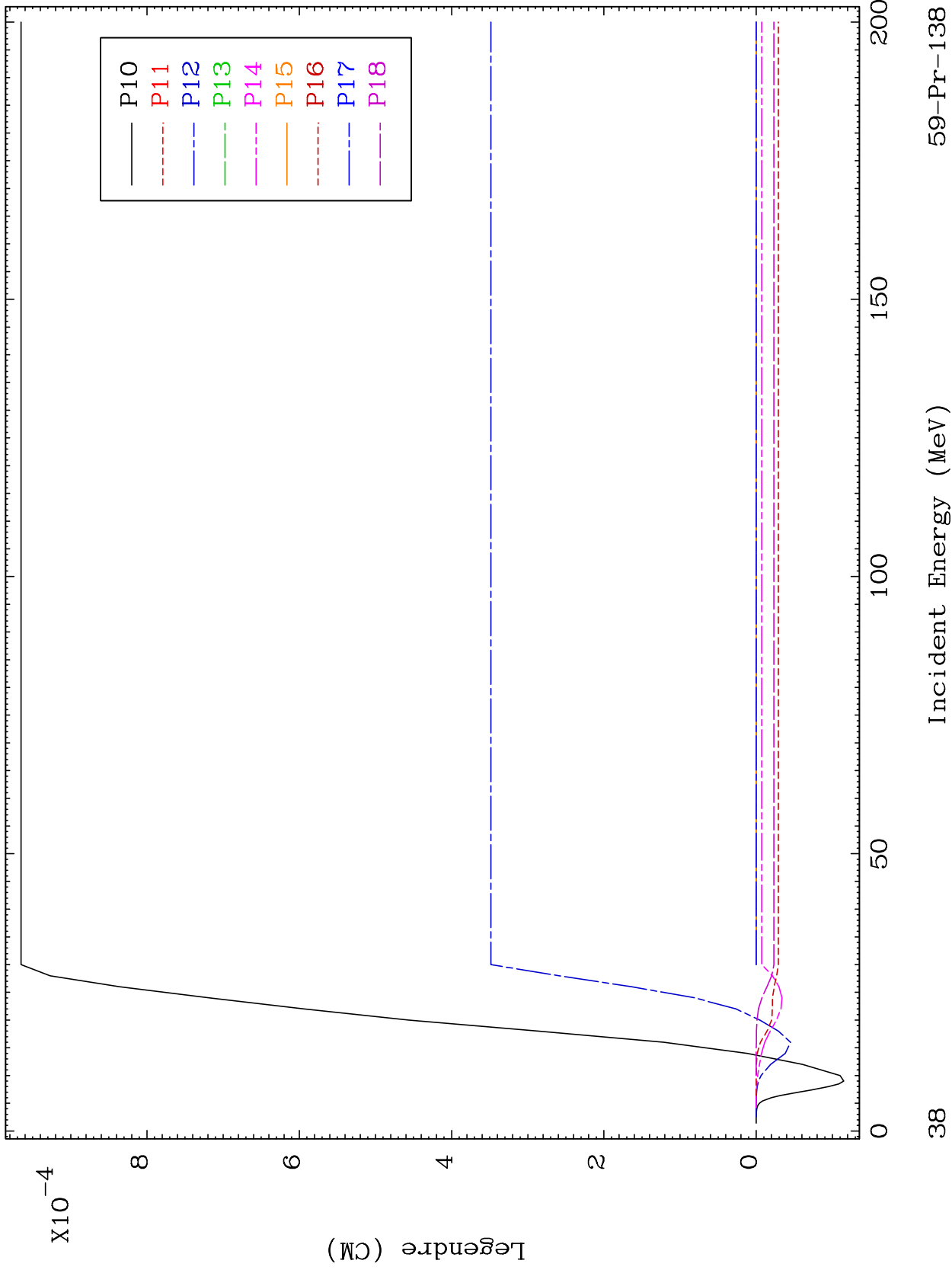




MAT 5916

384.0 keV (n,n') Level
Legendre Coefficients

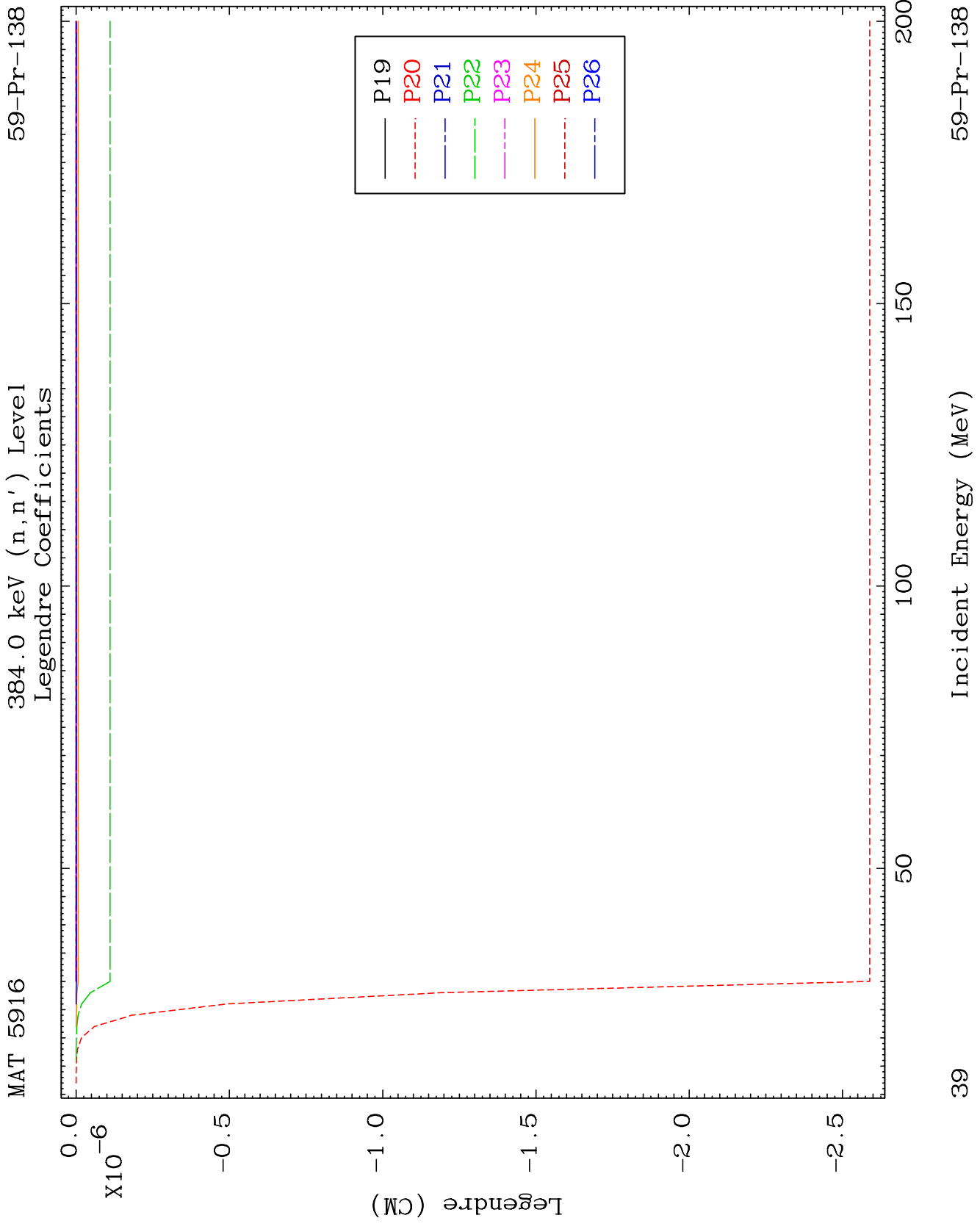
59-Pr-138

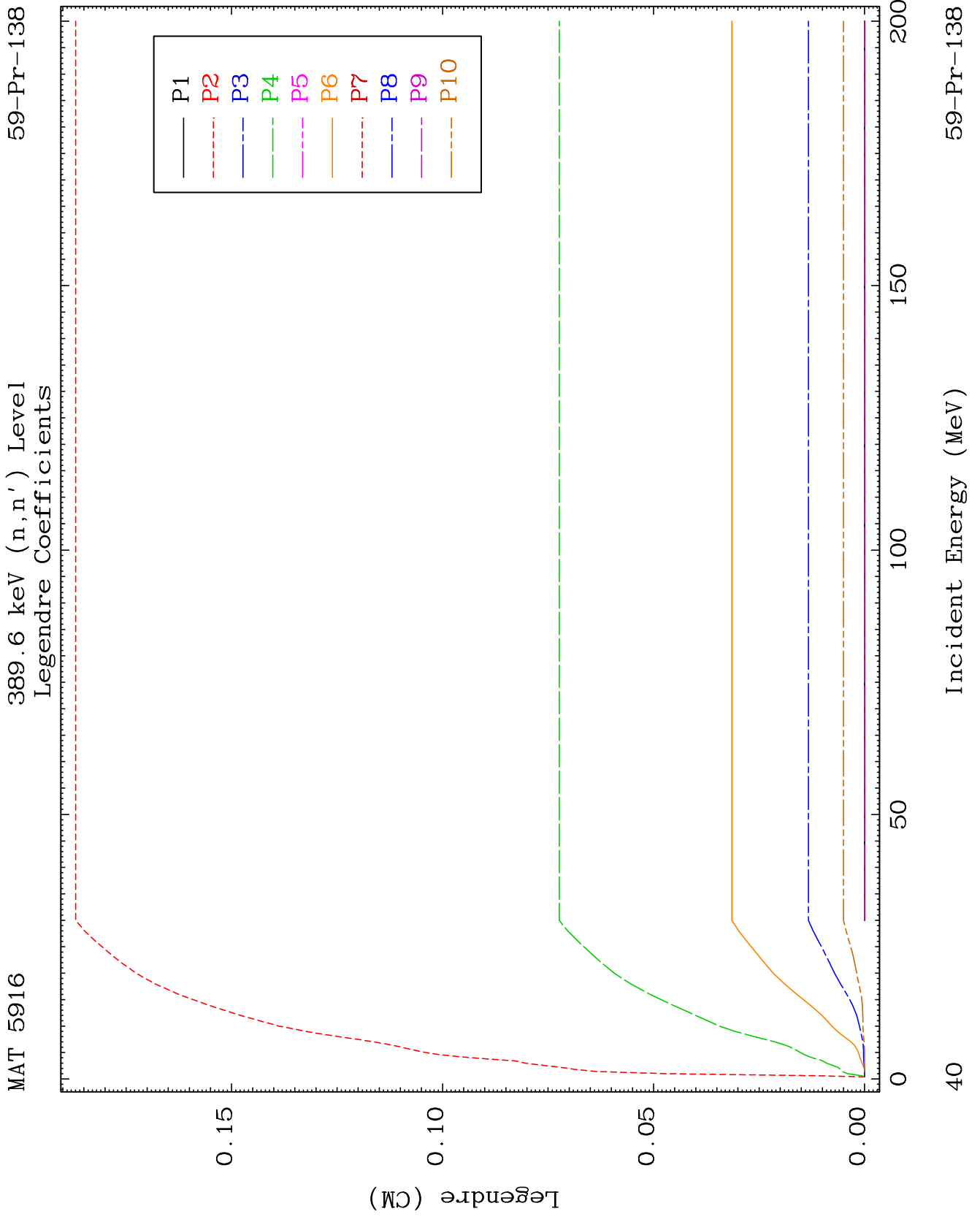


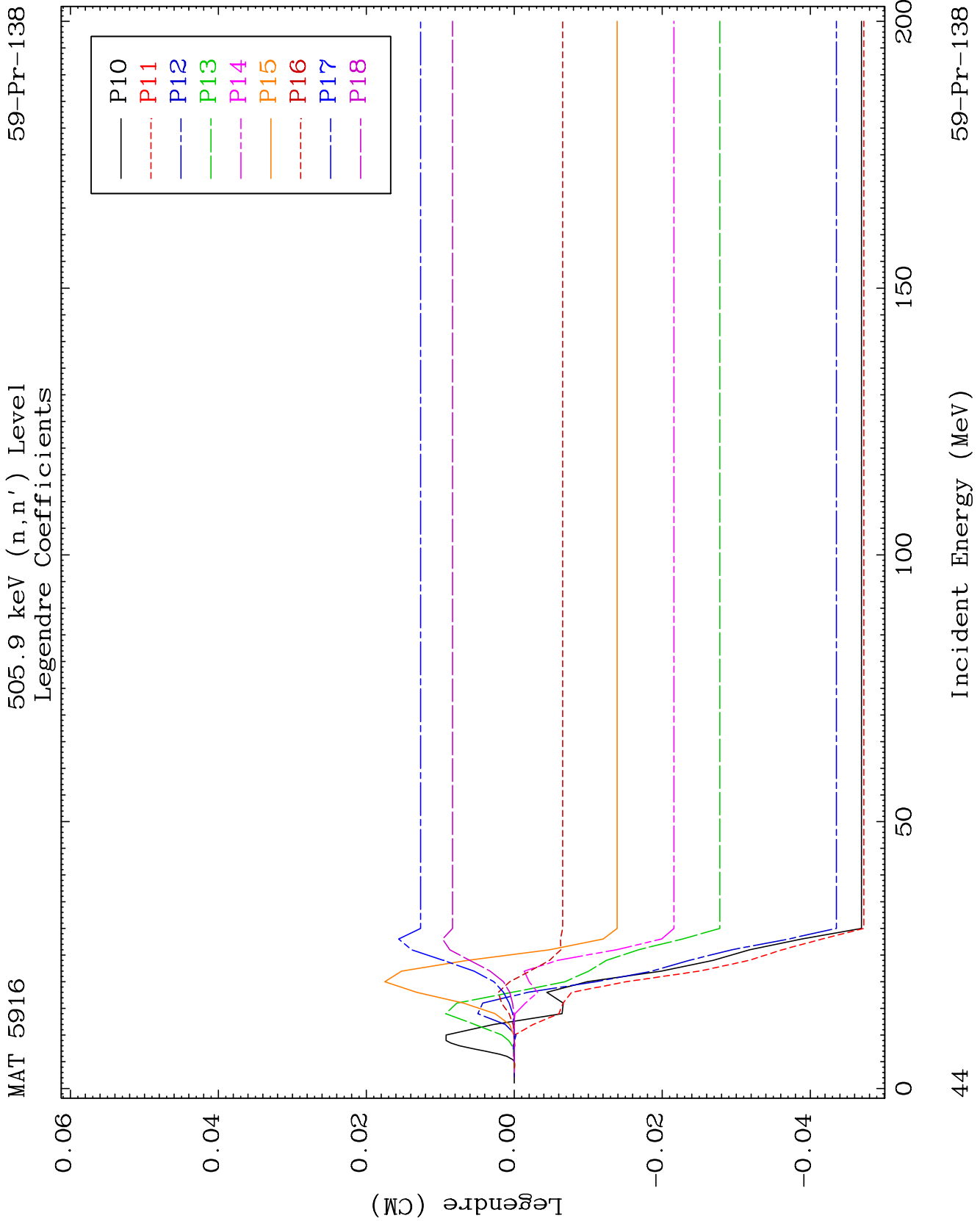
59-Pr-138

Incident Energy (MeV)

38



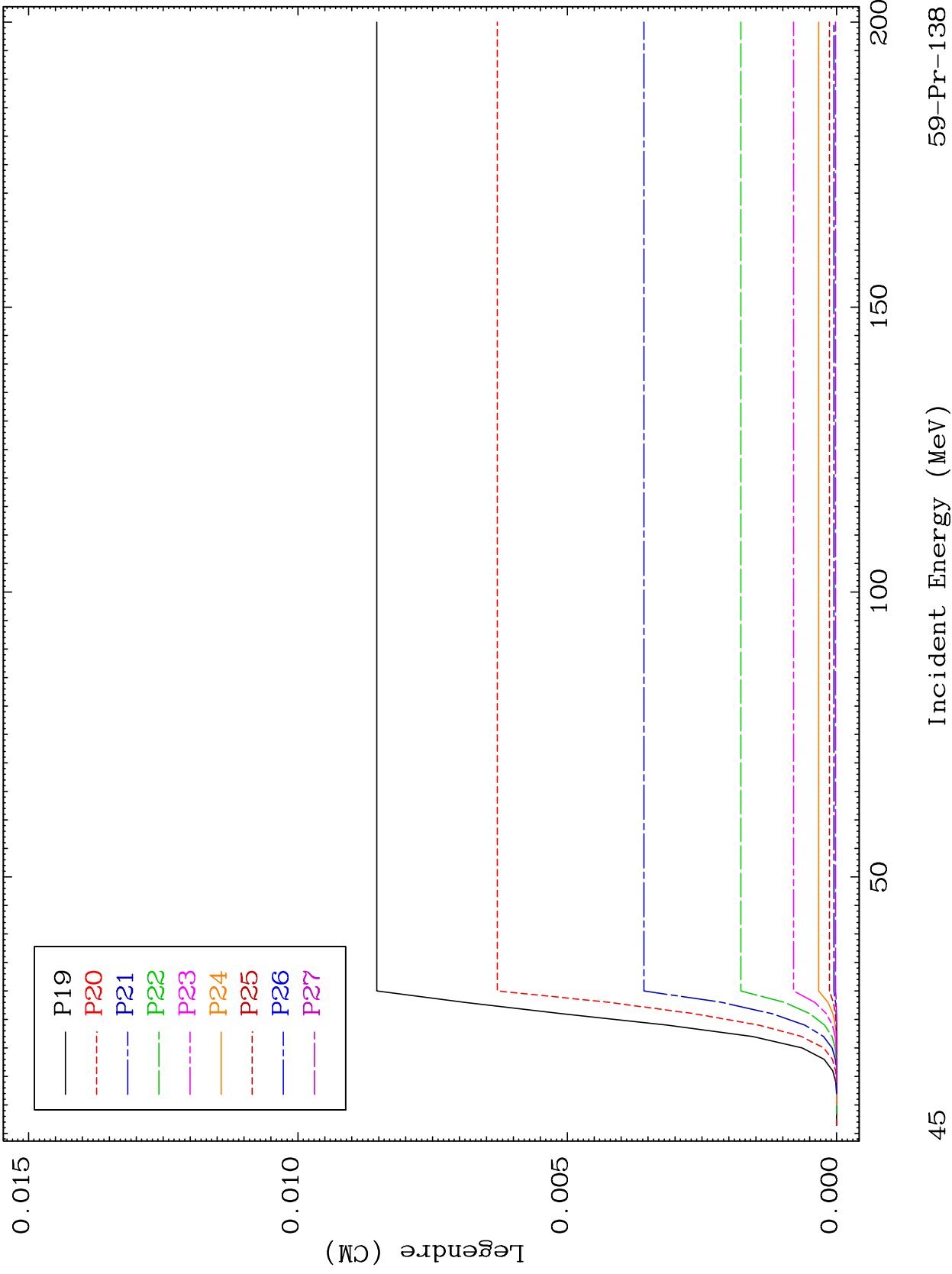




MAT 5916

505.9 keV (n,n') Level
Legendre Coefficients

59-Pr-138



45

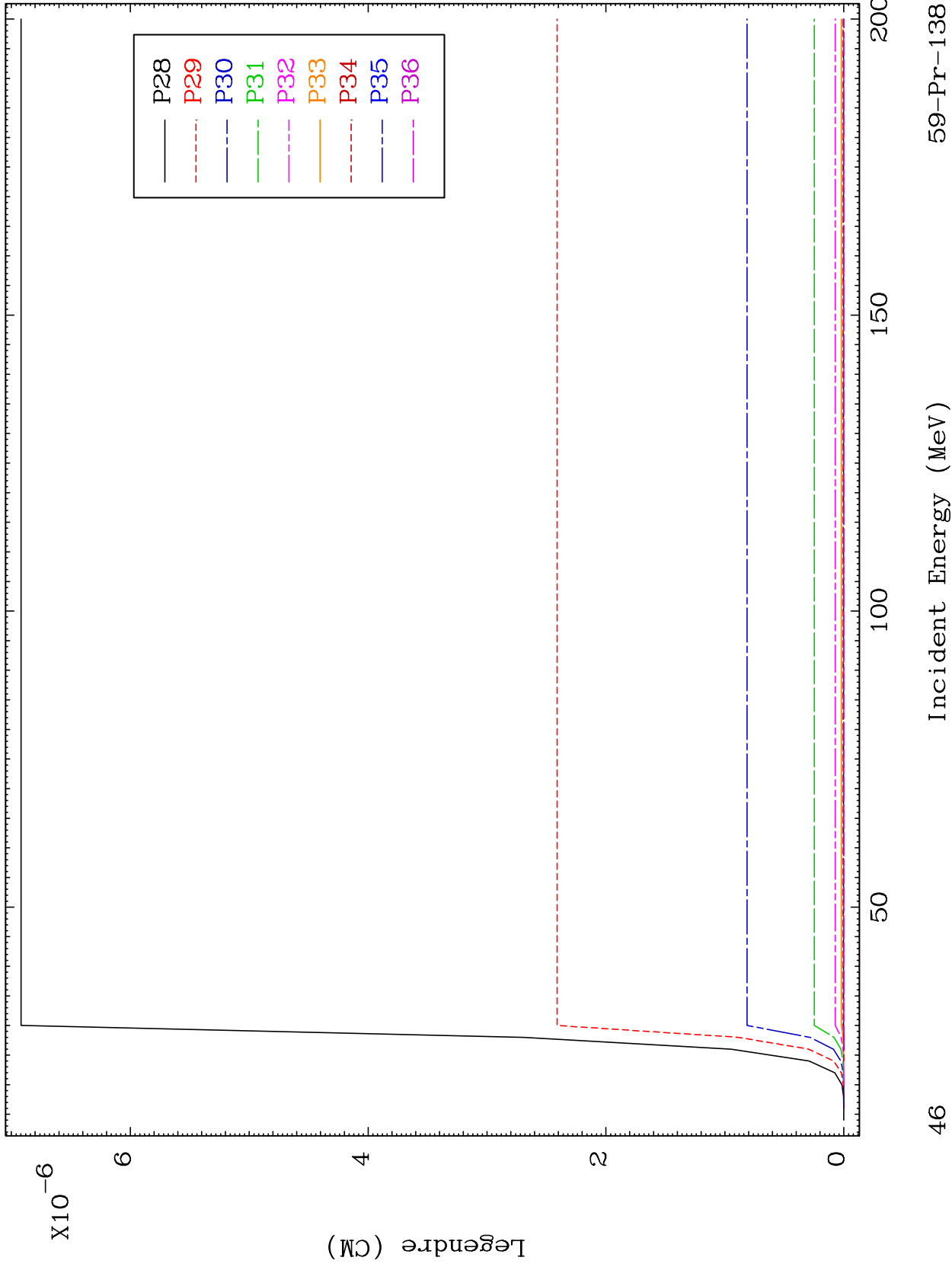
Incident Energy (MeV)

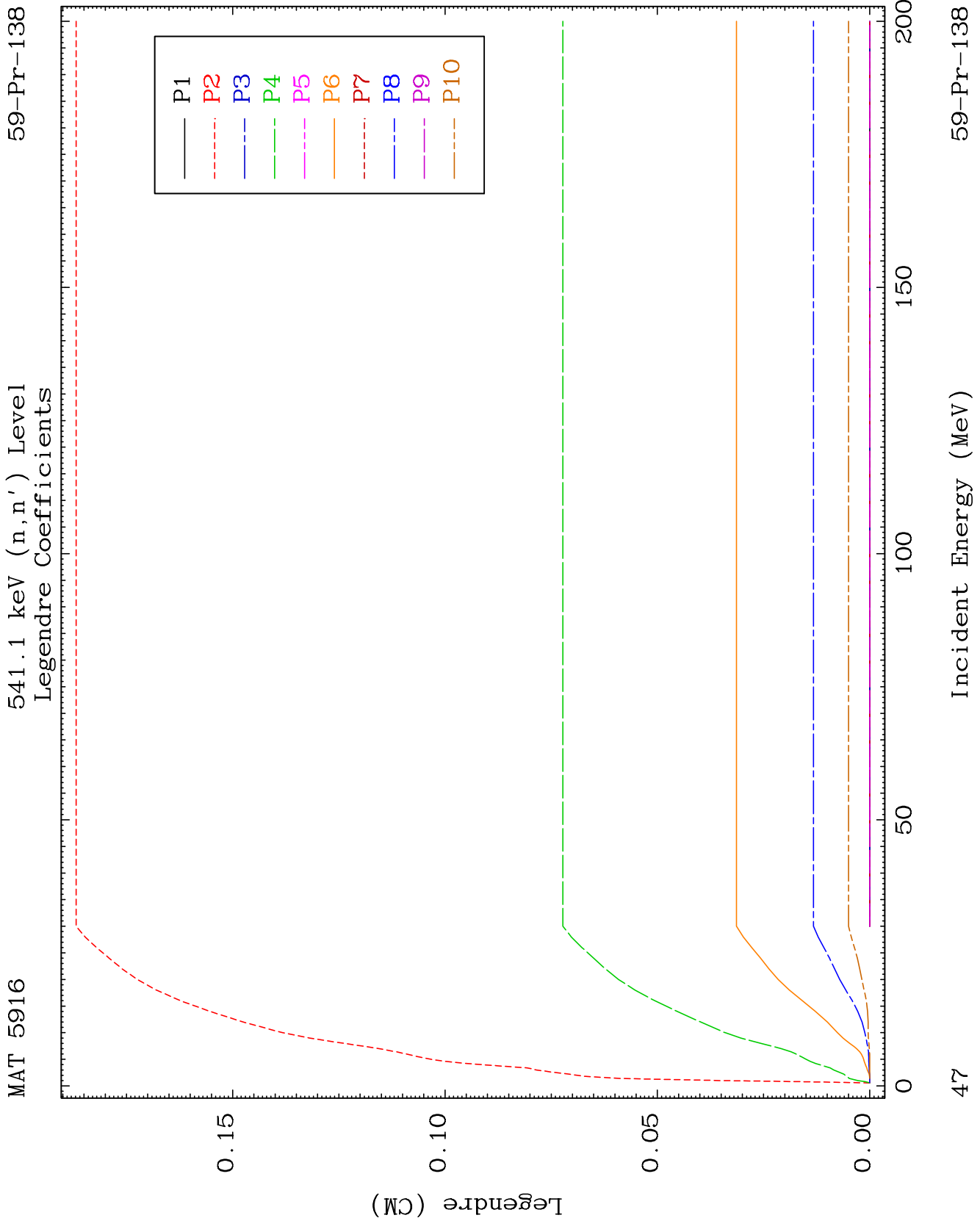
59-Pr-138

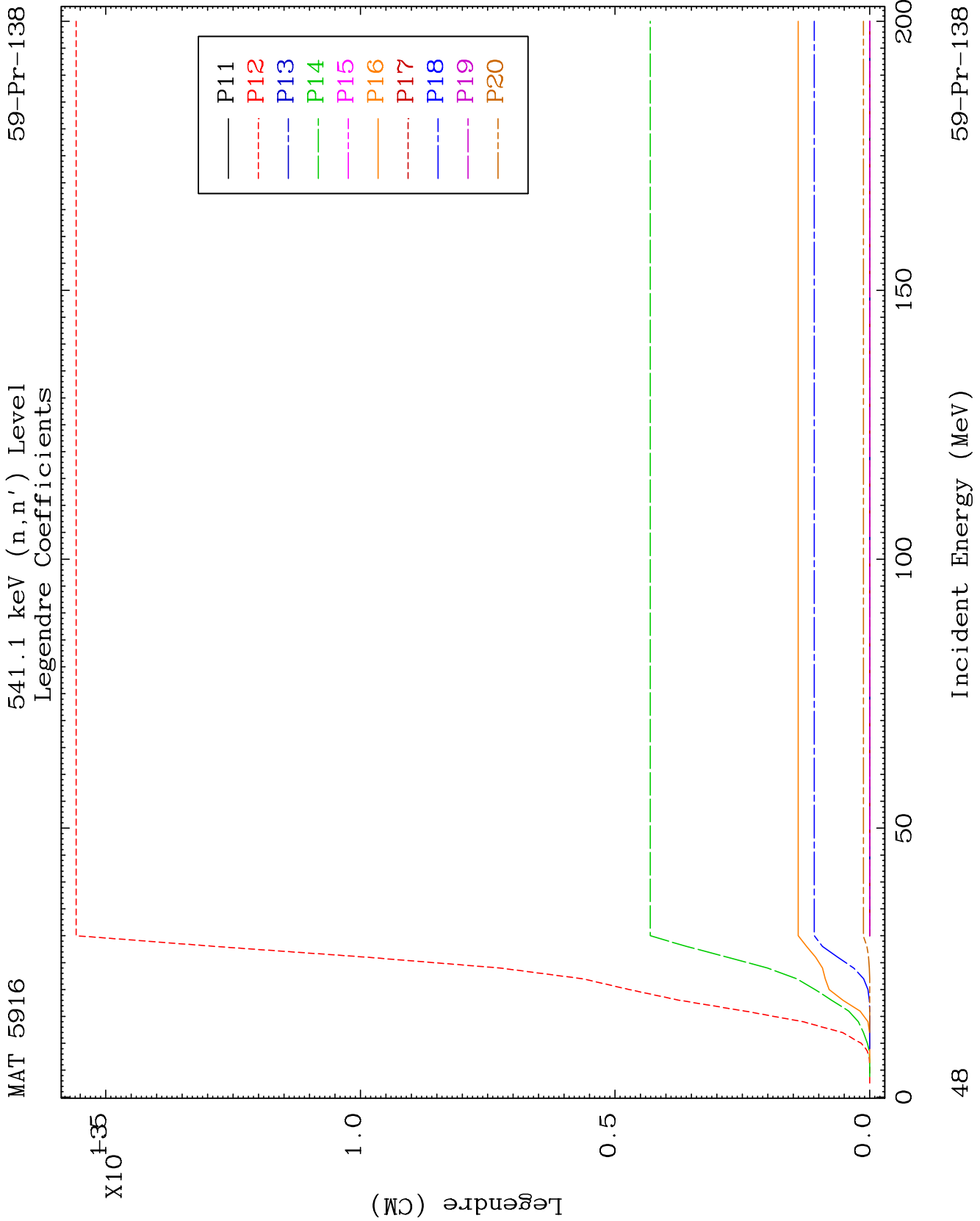
MAT 5916

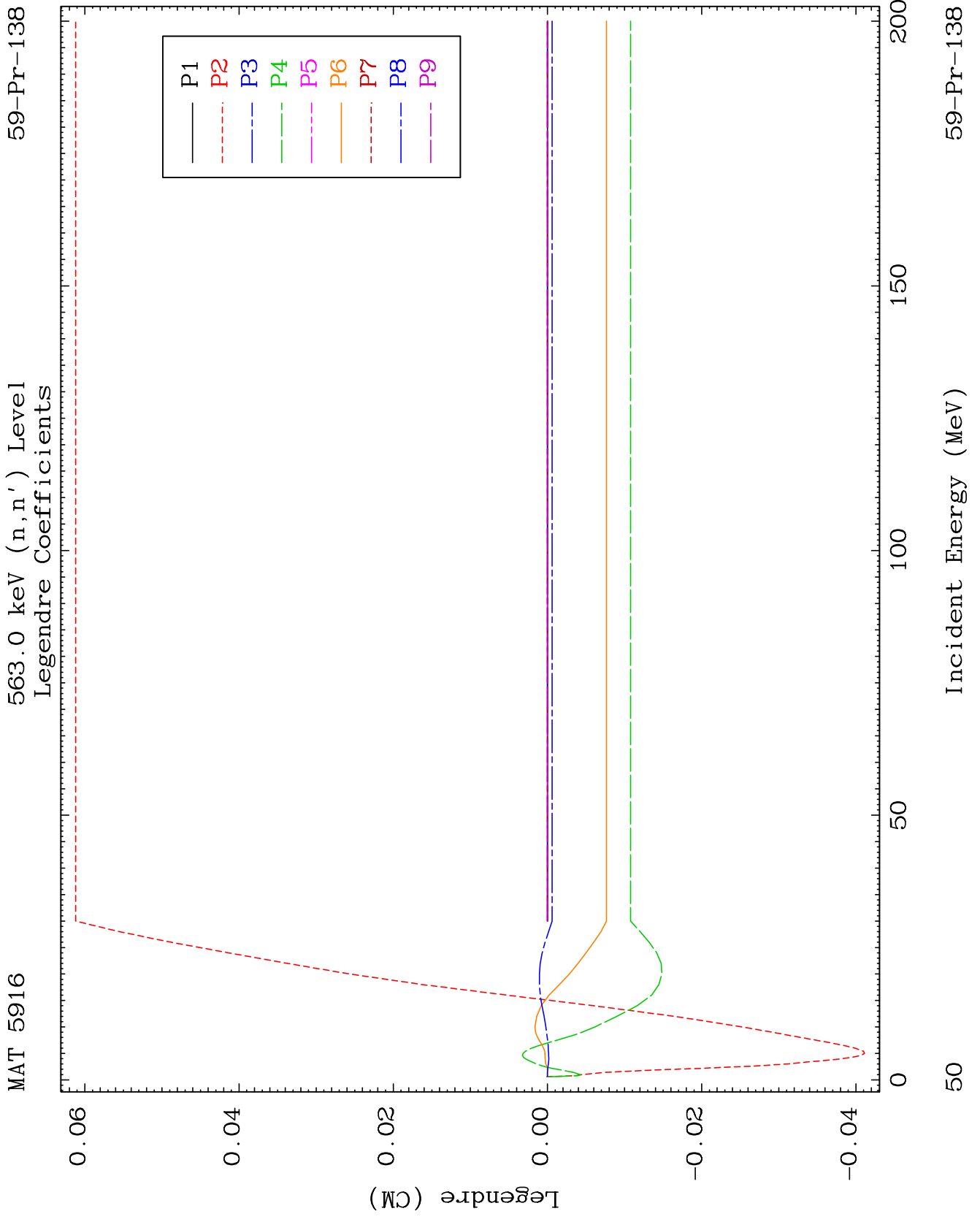
505.9 keV (n,n') Level
Legendre Coefficients

59-Pr-138





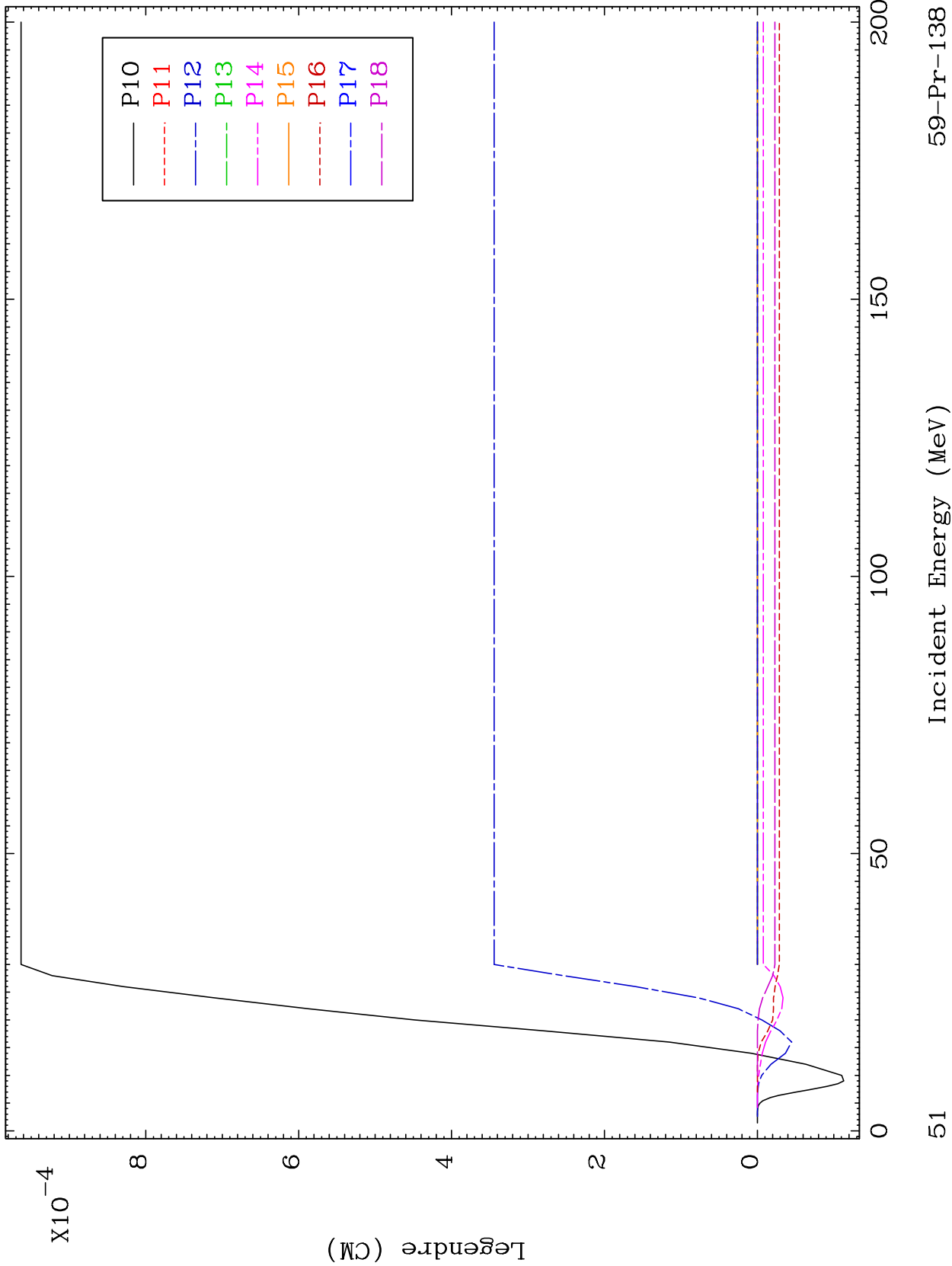




MAT 5916

563.0 keV (n,n') Level
Legendre Coefficients

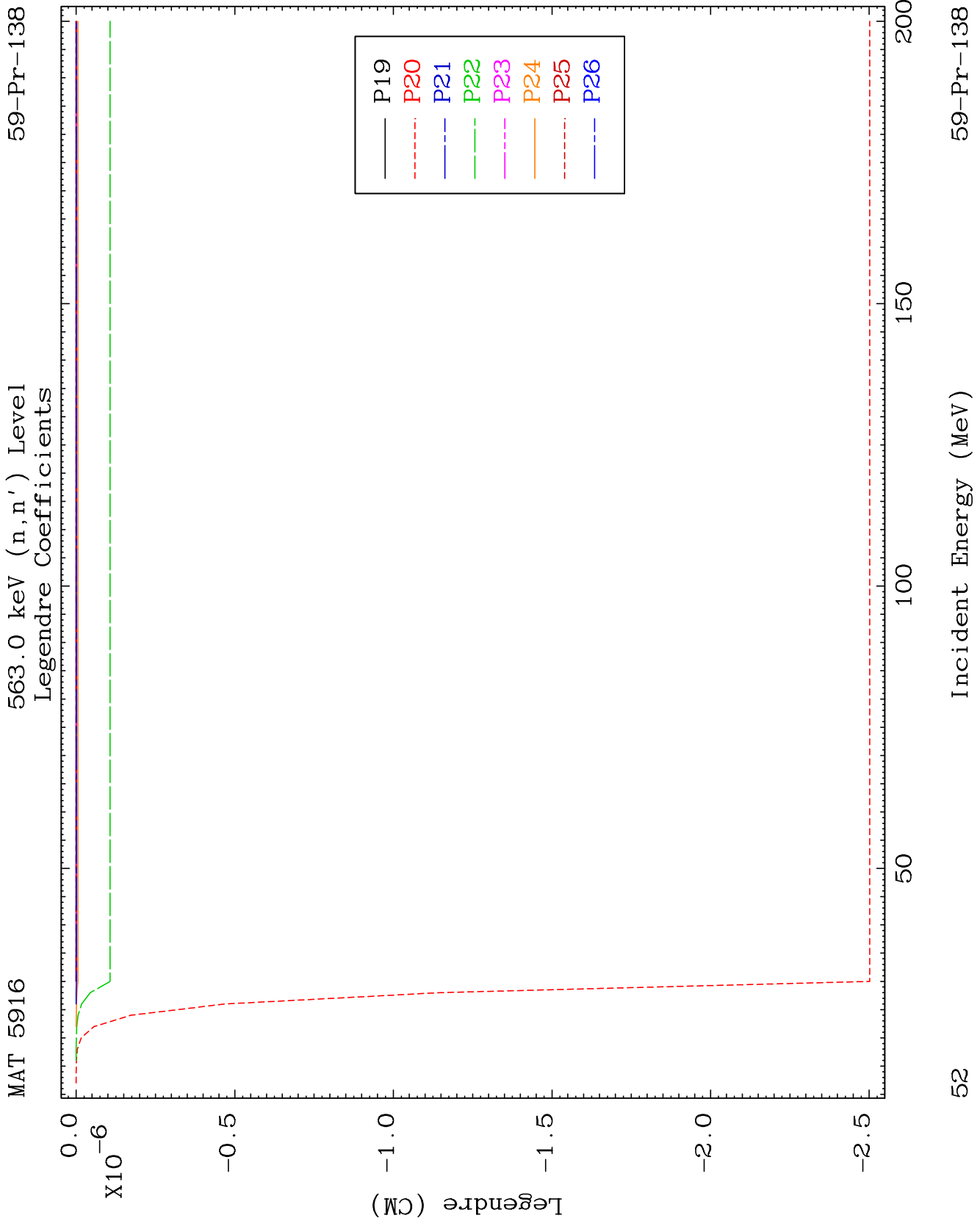
59-Pr-138

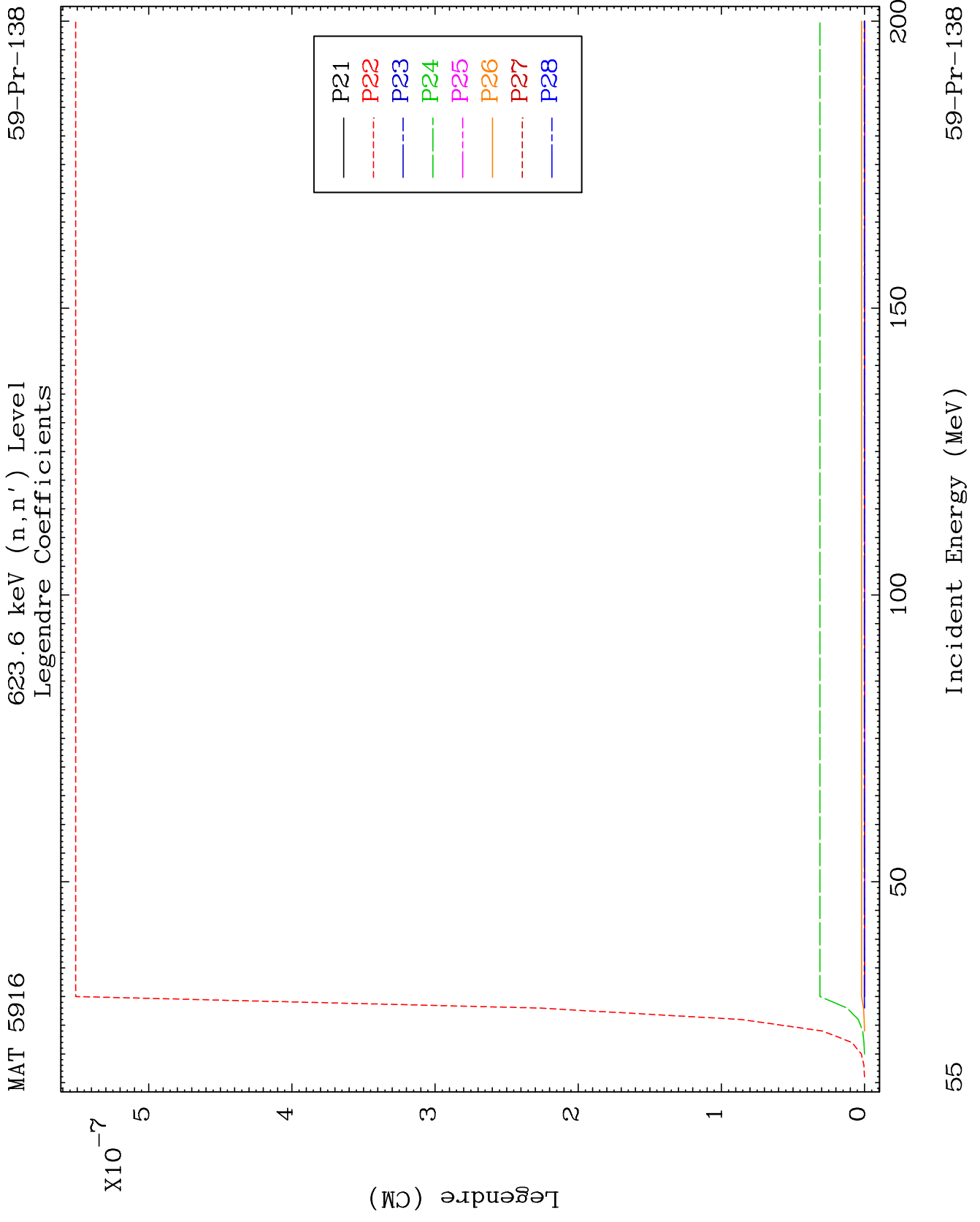


59-Pr-138

Incident Energy (MeV)

51

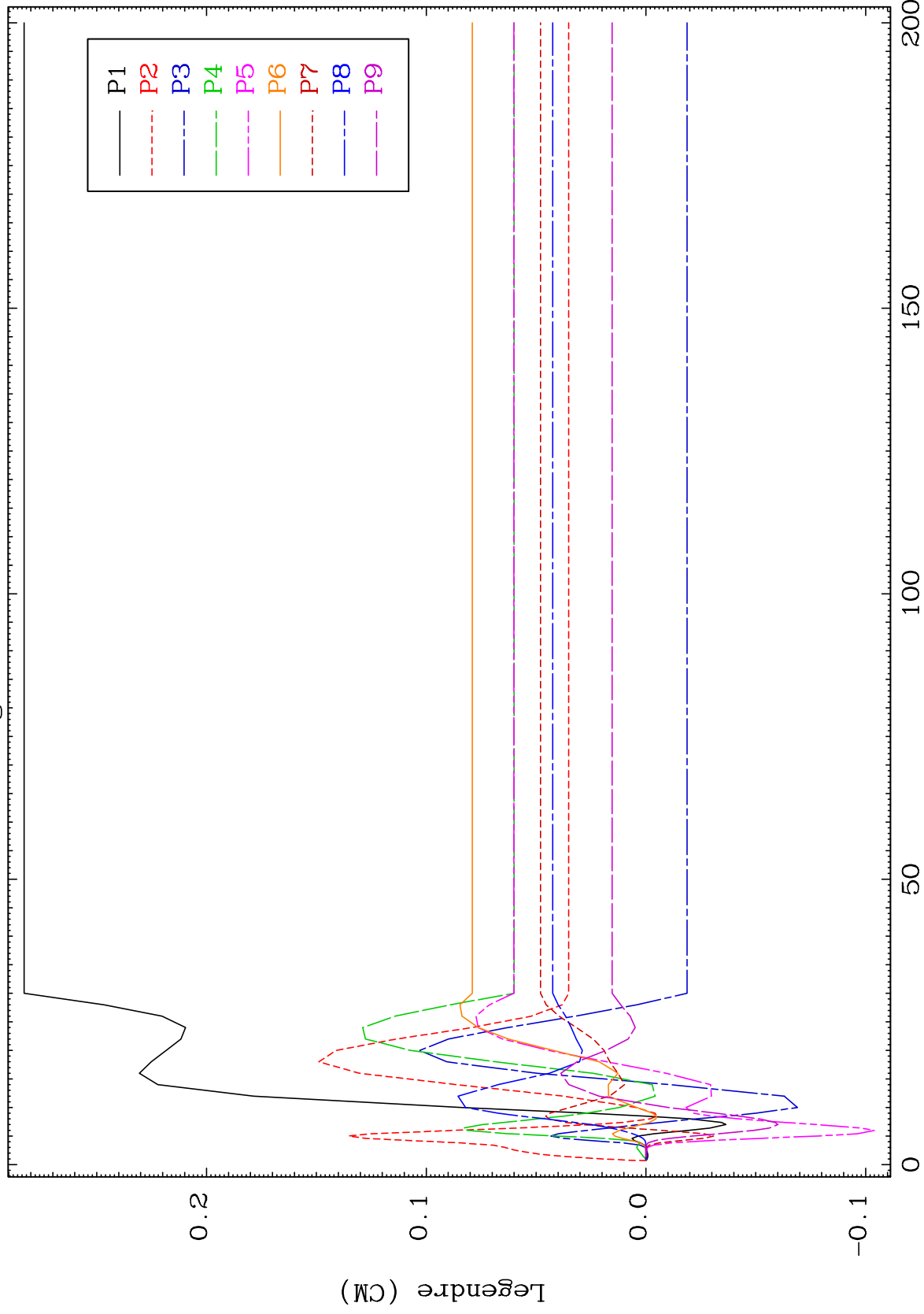




MAT 5916

673.9 keV (n,n') Level
Legendre Coefficients

59-Pr-138



56

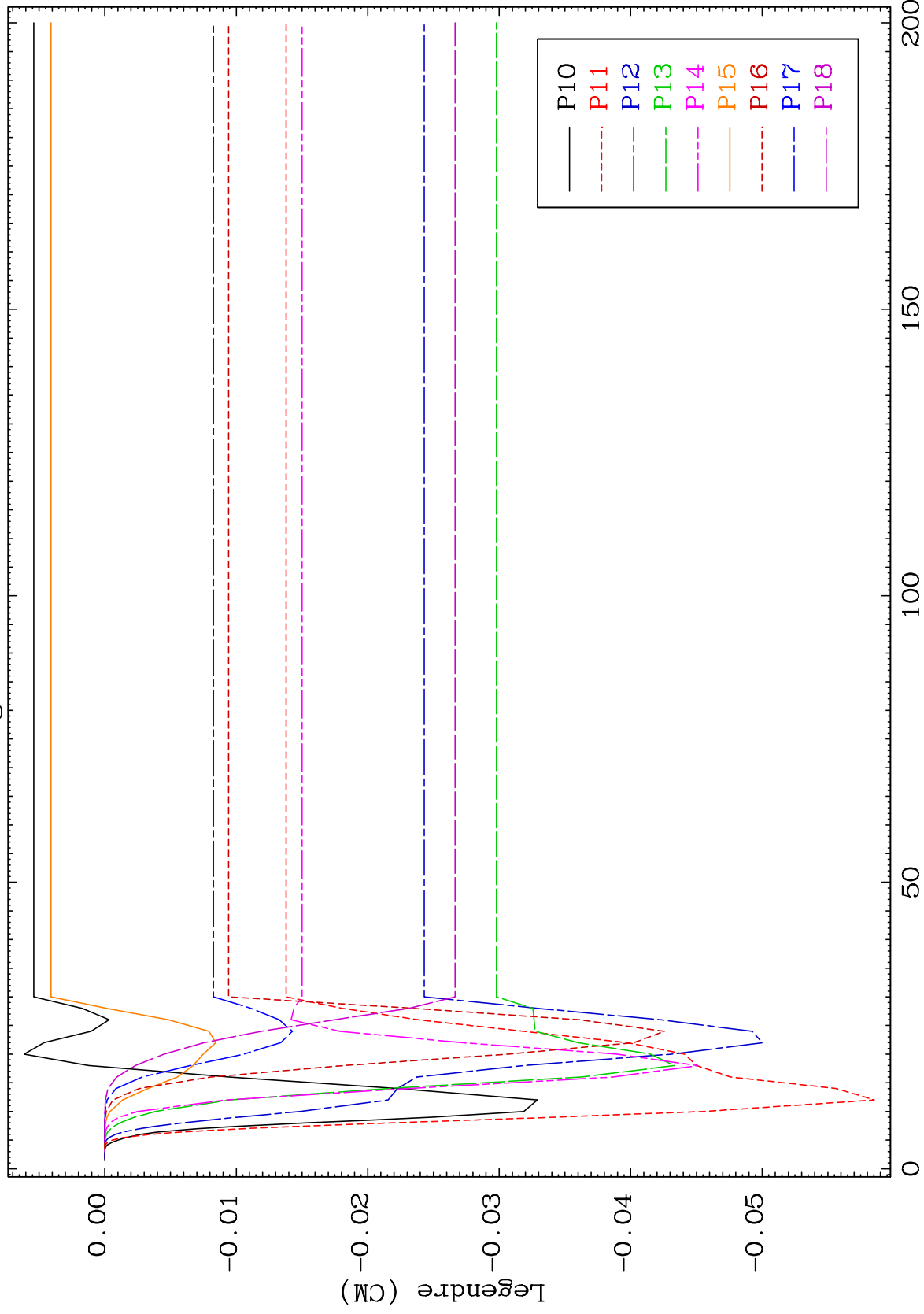
Incident Energy (MeV)

59-Pr-138

MAT 5916

673.9 keV (n,n') Level
Legendre Coefficients

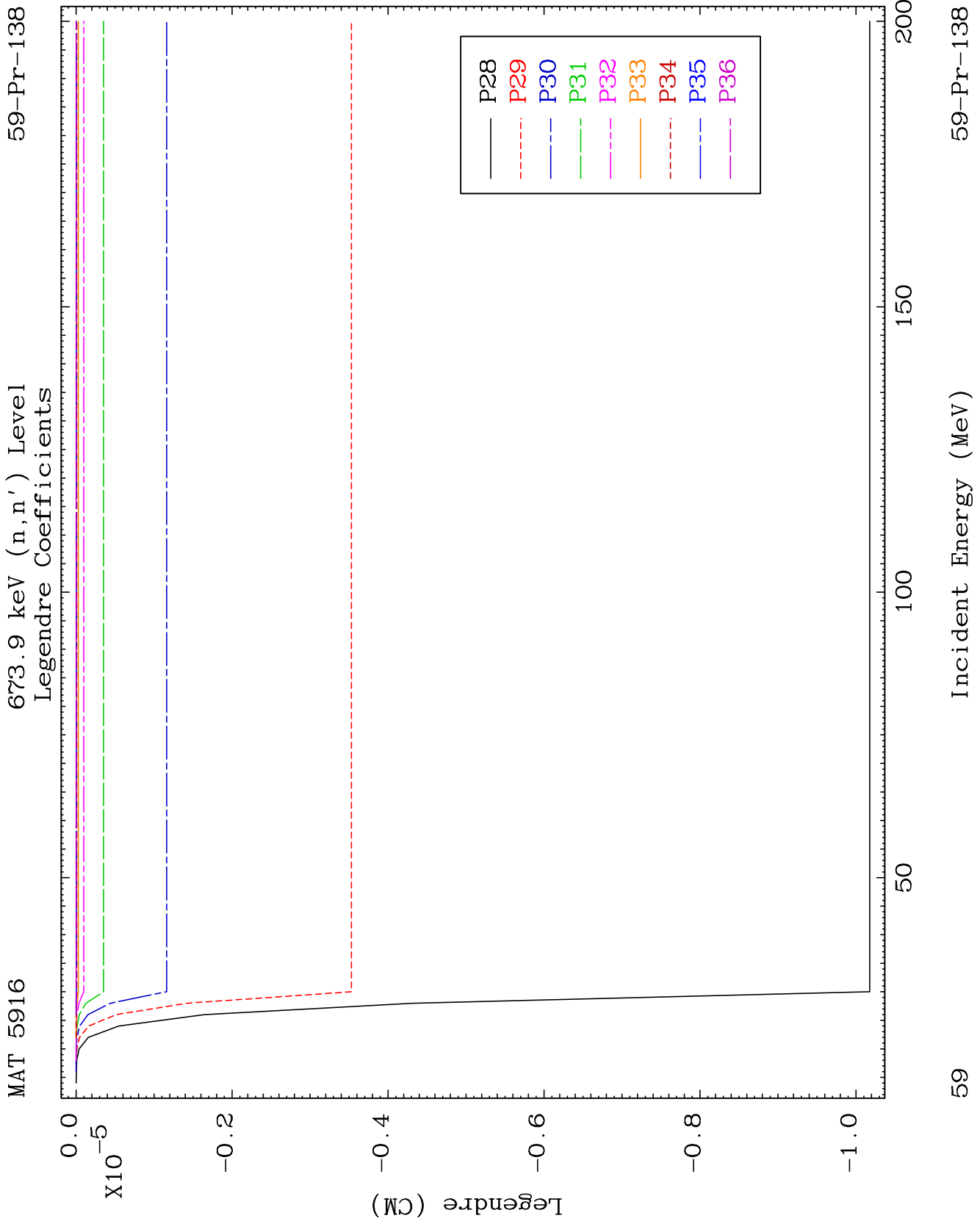
59-Pr-138

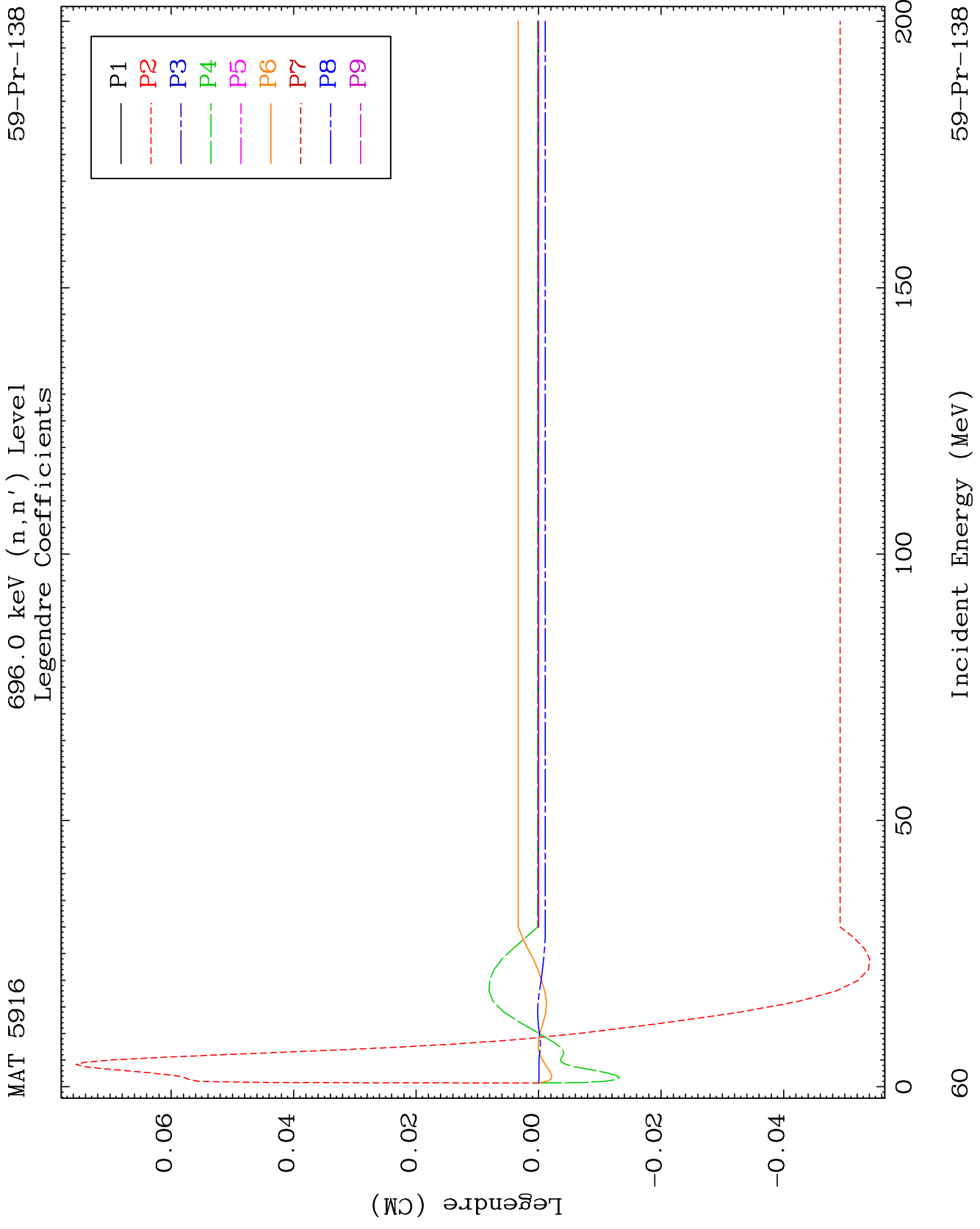


57

Incident Energy (MeV)

59-Pr-138

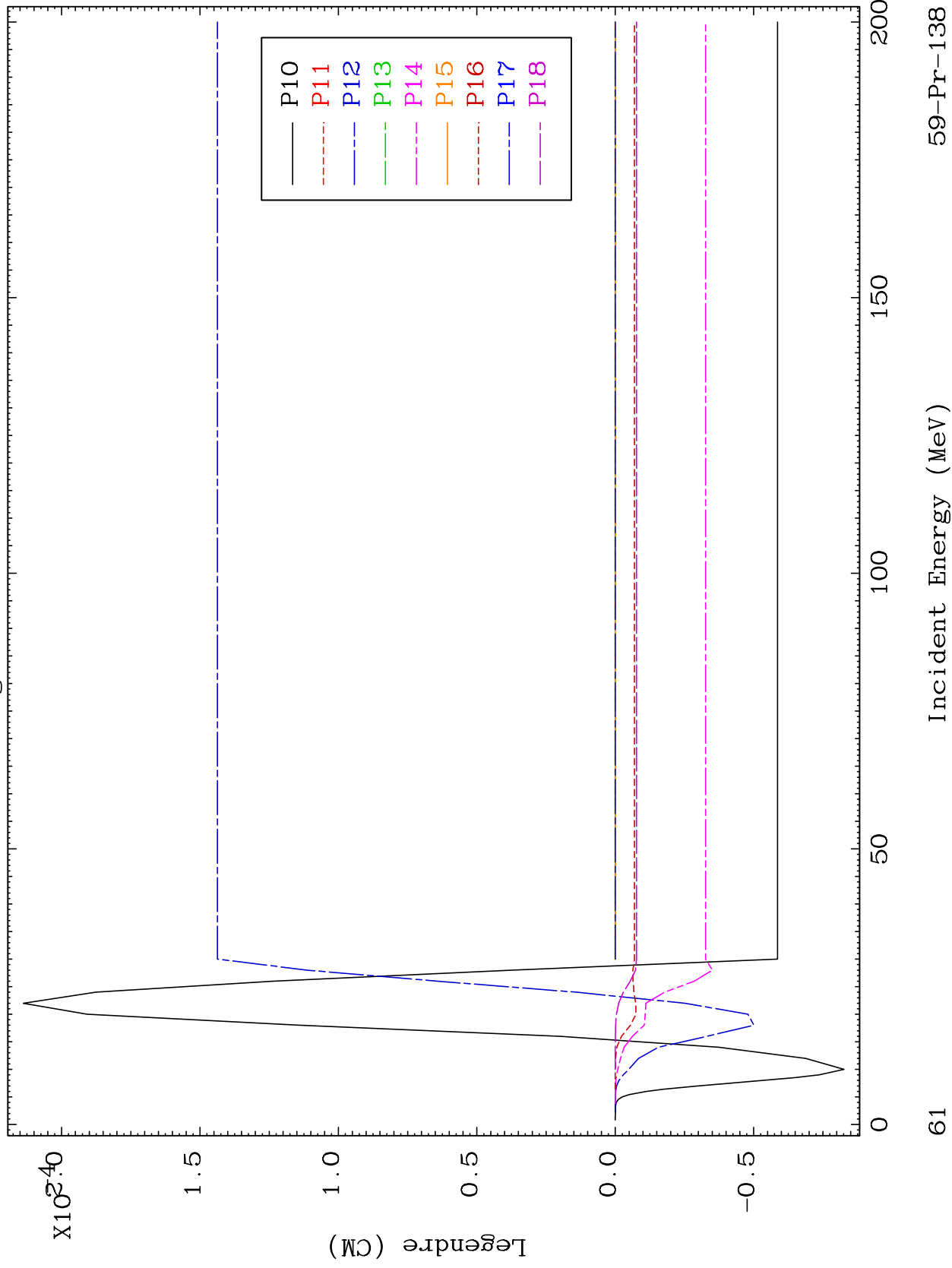




MAT 5916

696.0 keV (n,n') Level
Legendre Coefficients

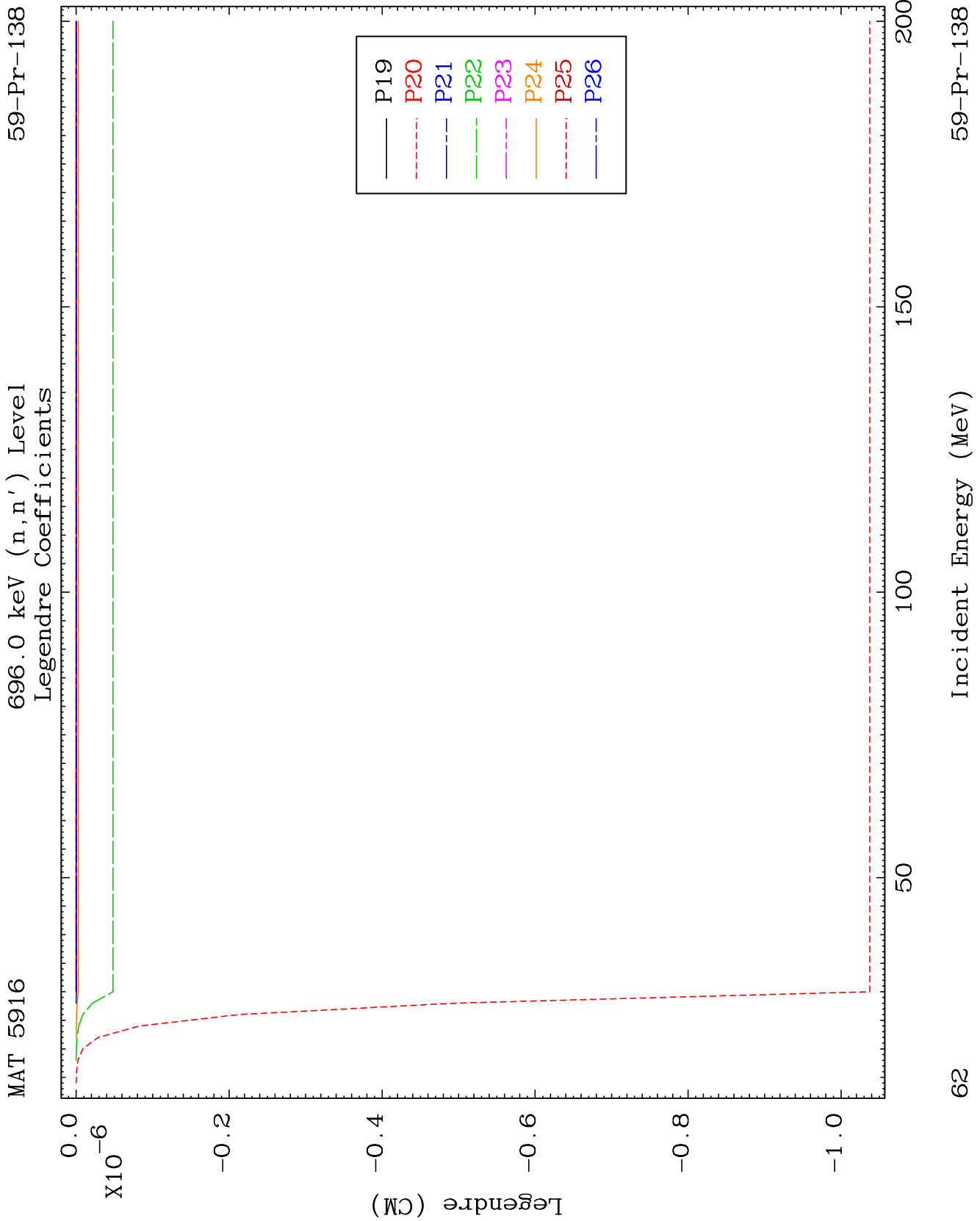
59-Pr-138

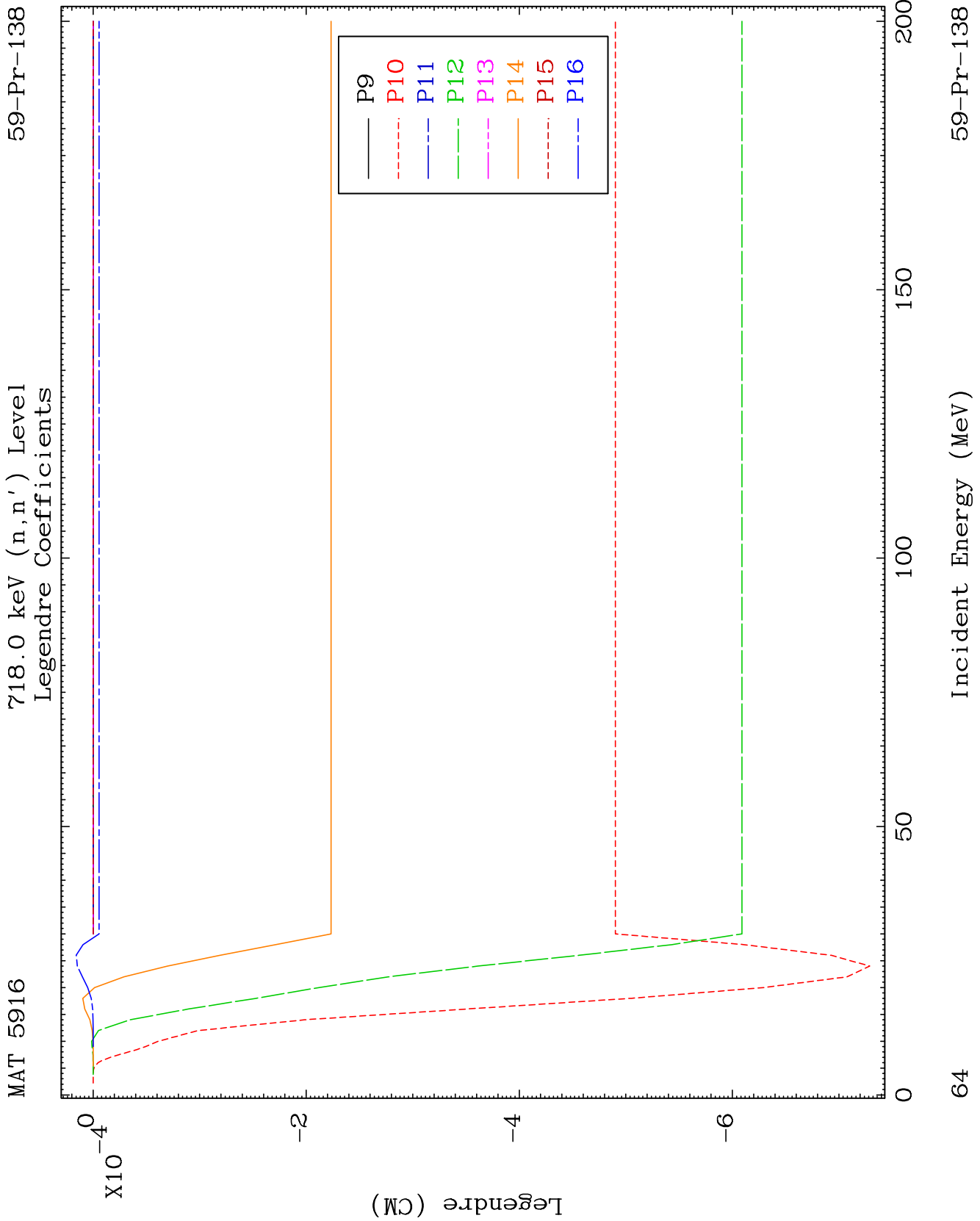


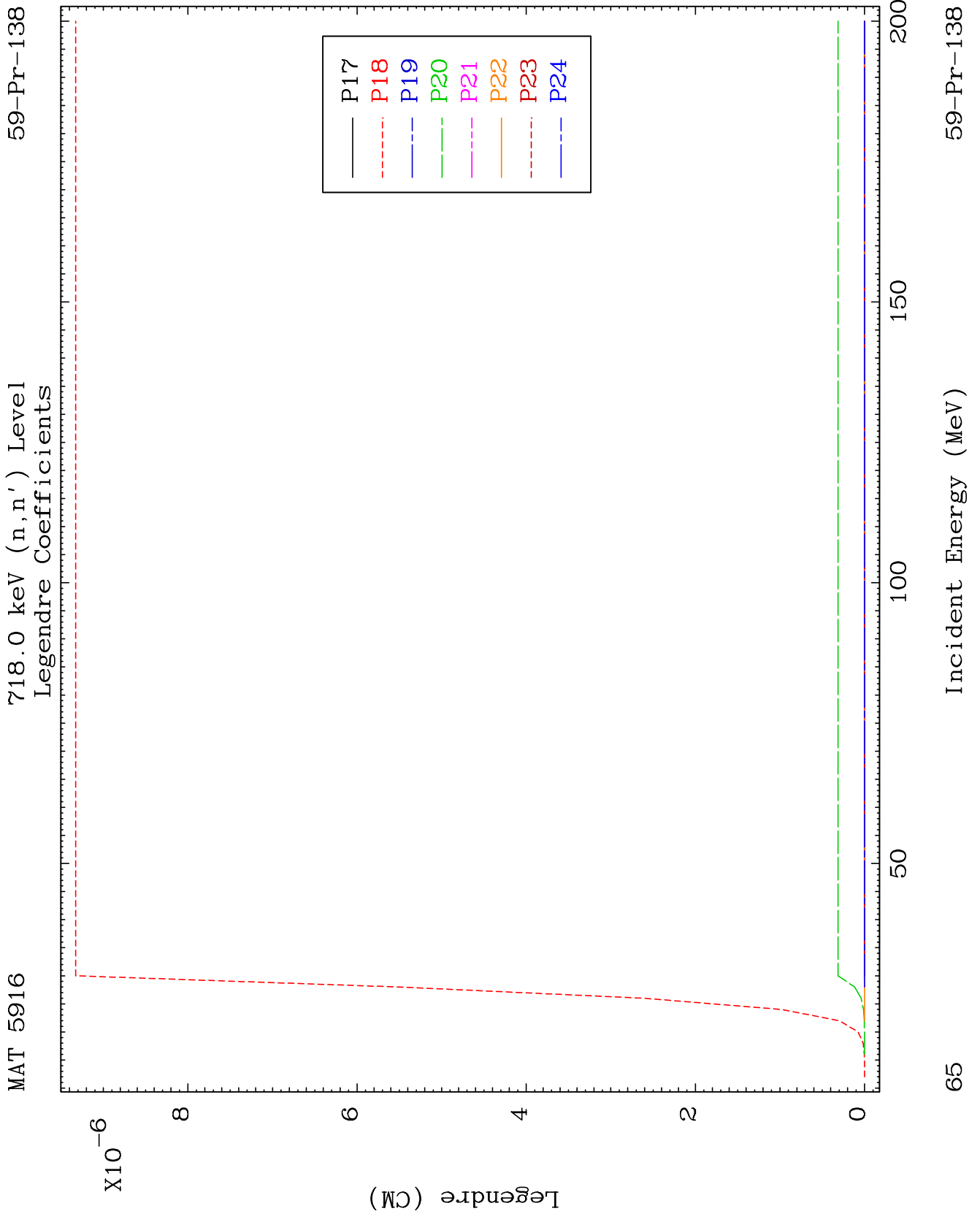
61

Incident Energy (MeV)

59-Pr-138



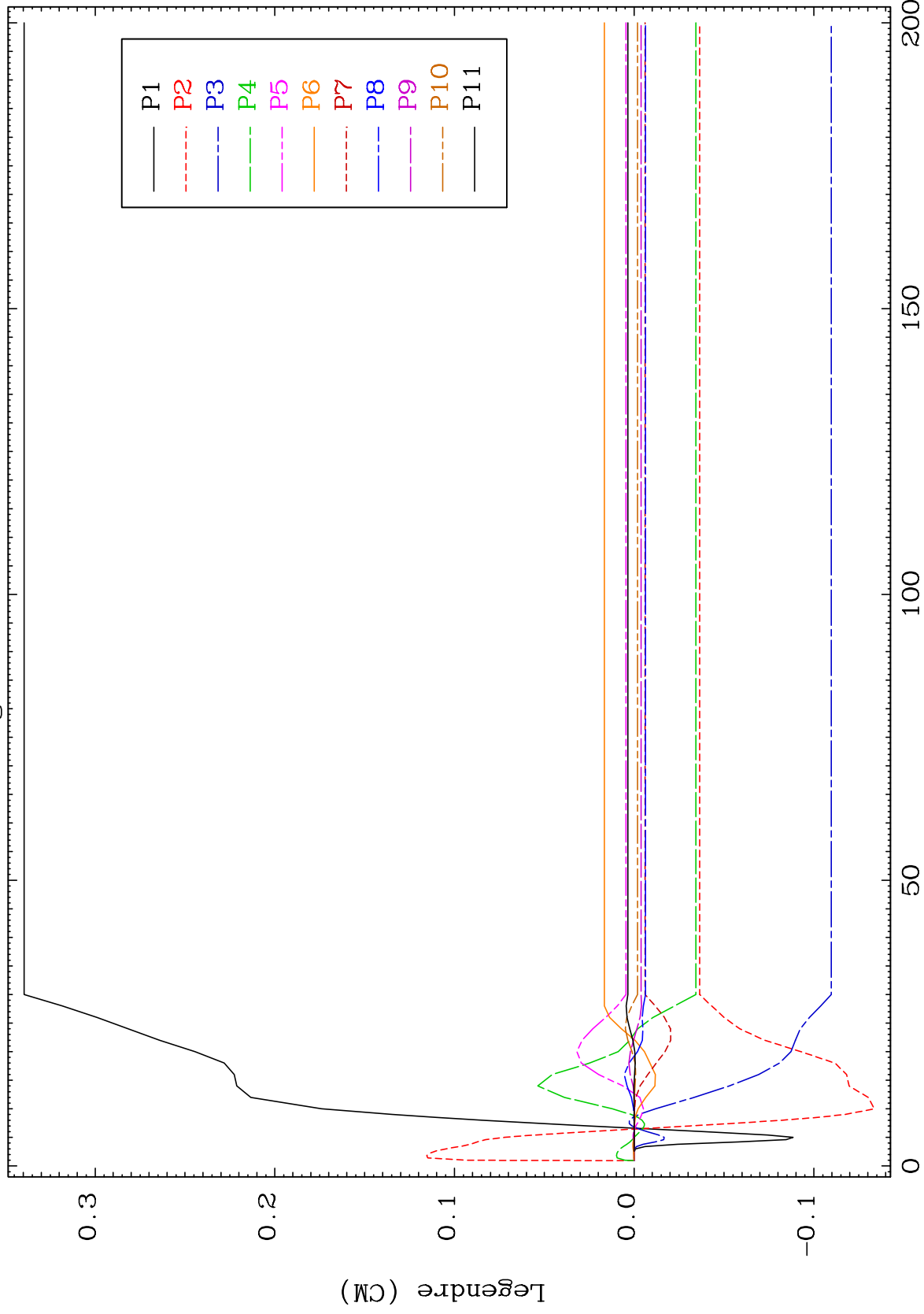




MAT 5916

912.0 keV (n,n') Level
Legendre Coefficients

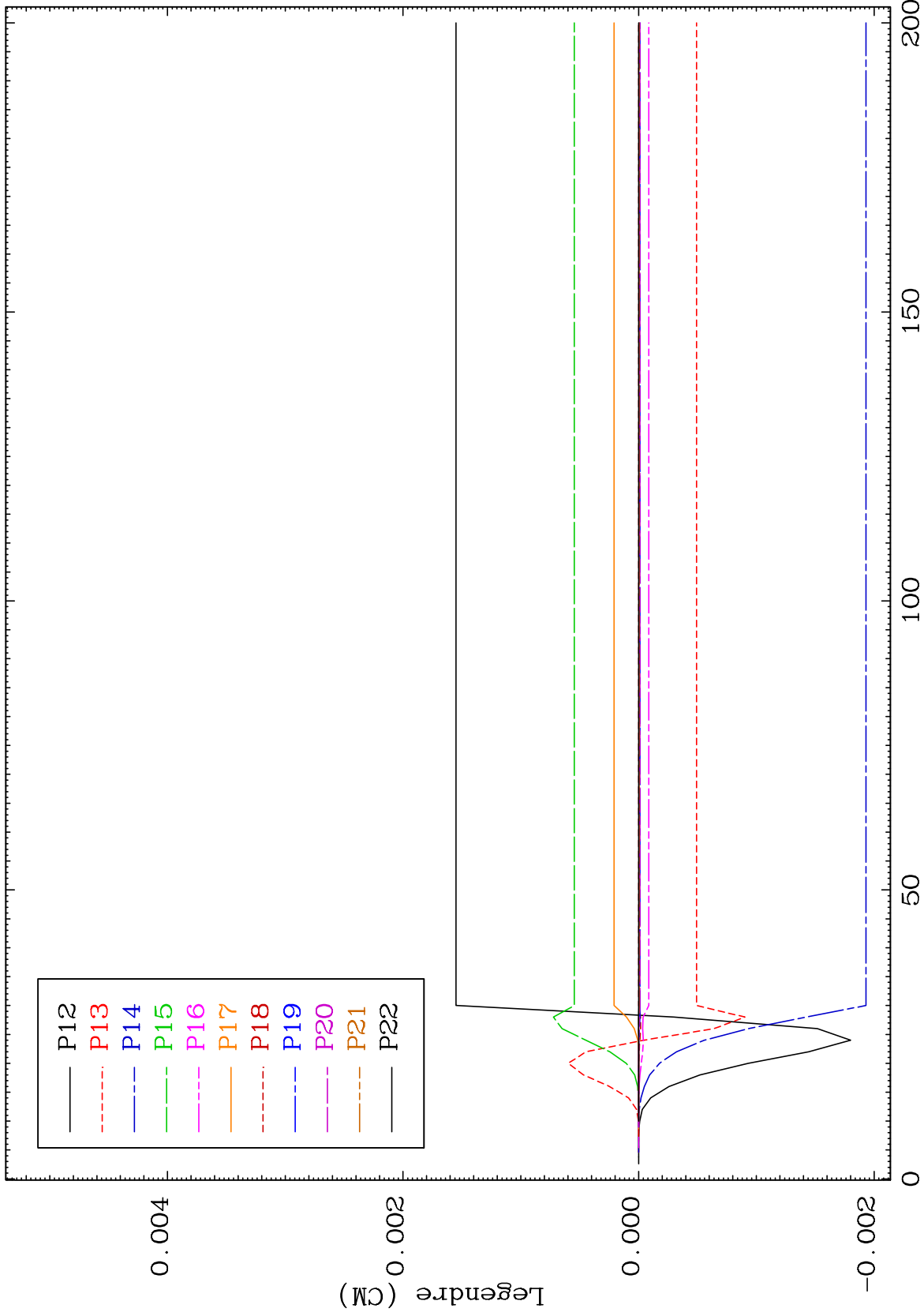
59-Pr-138



66

Incident Energy (MeV)

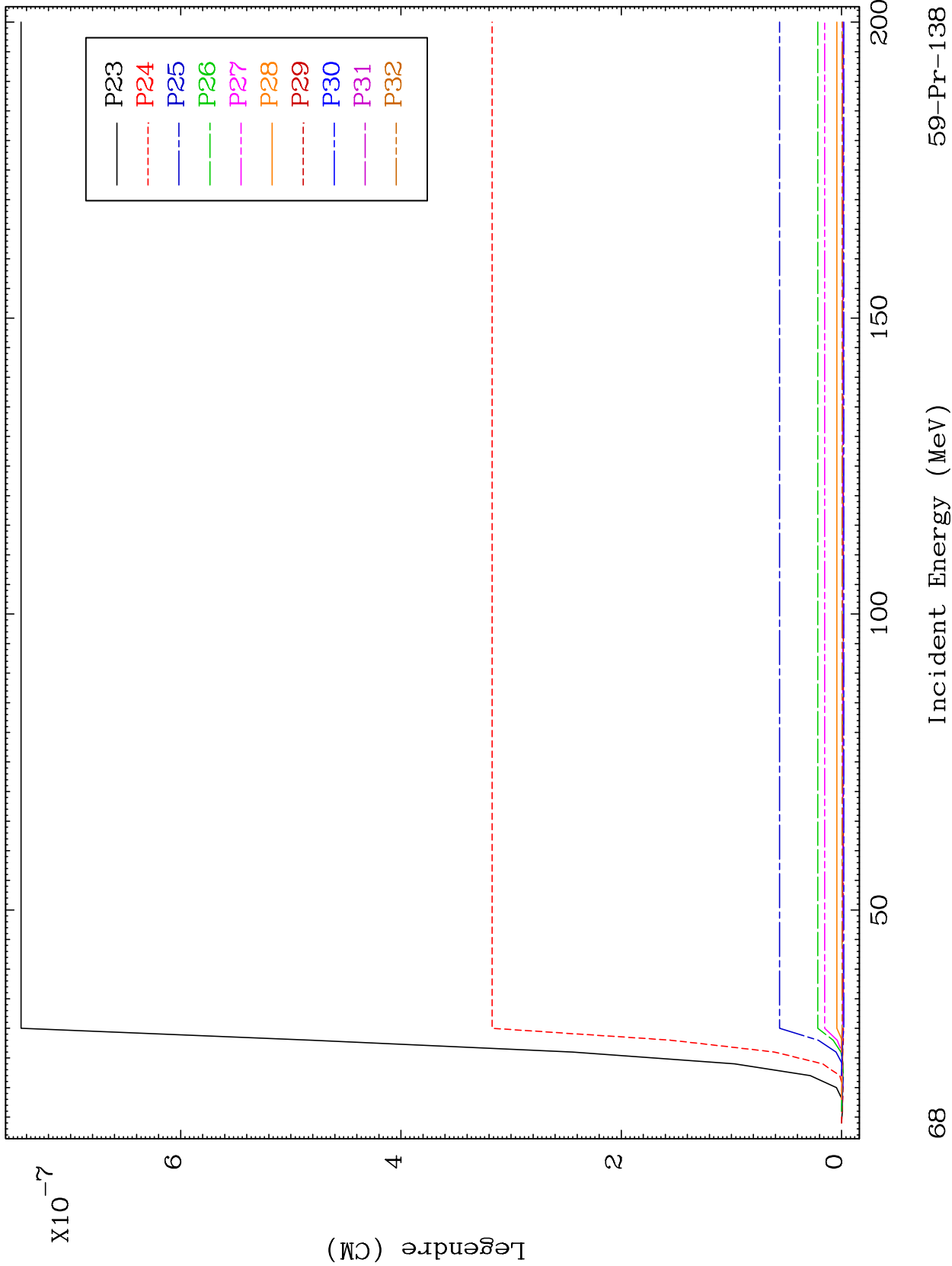
59-Pr-138



MAT 5916

912.0 keV (n,n') Level
Legendre Coefficients

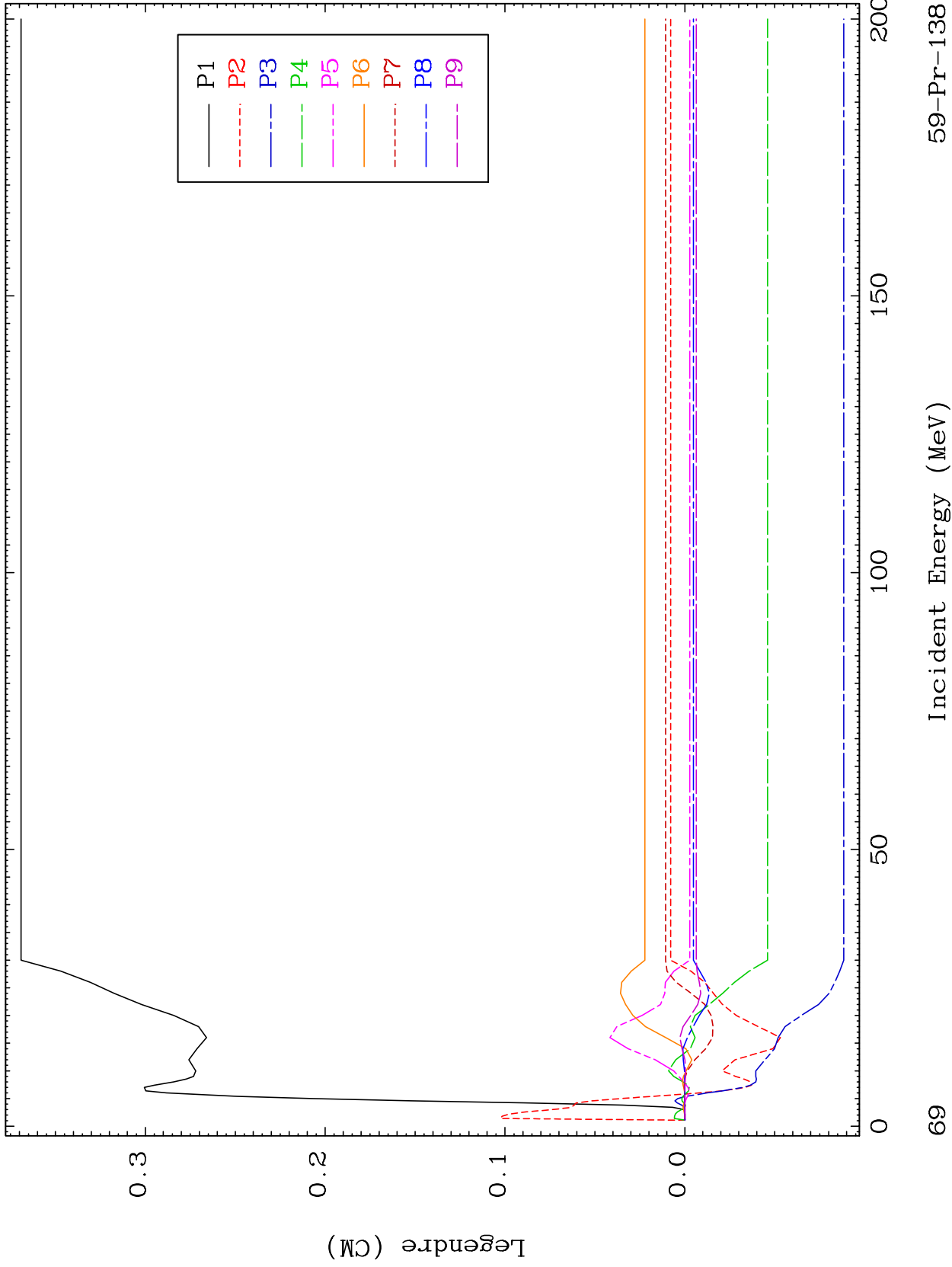
59-Pr-138



68

Incident Energy (MeV)

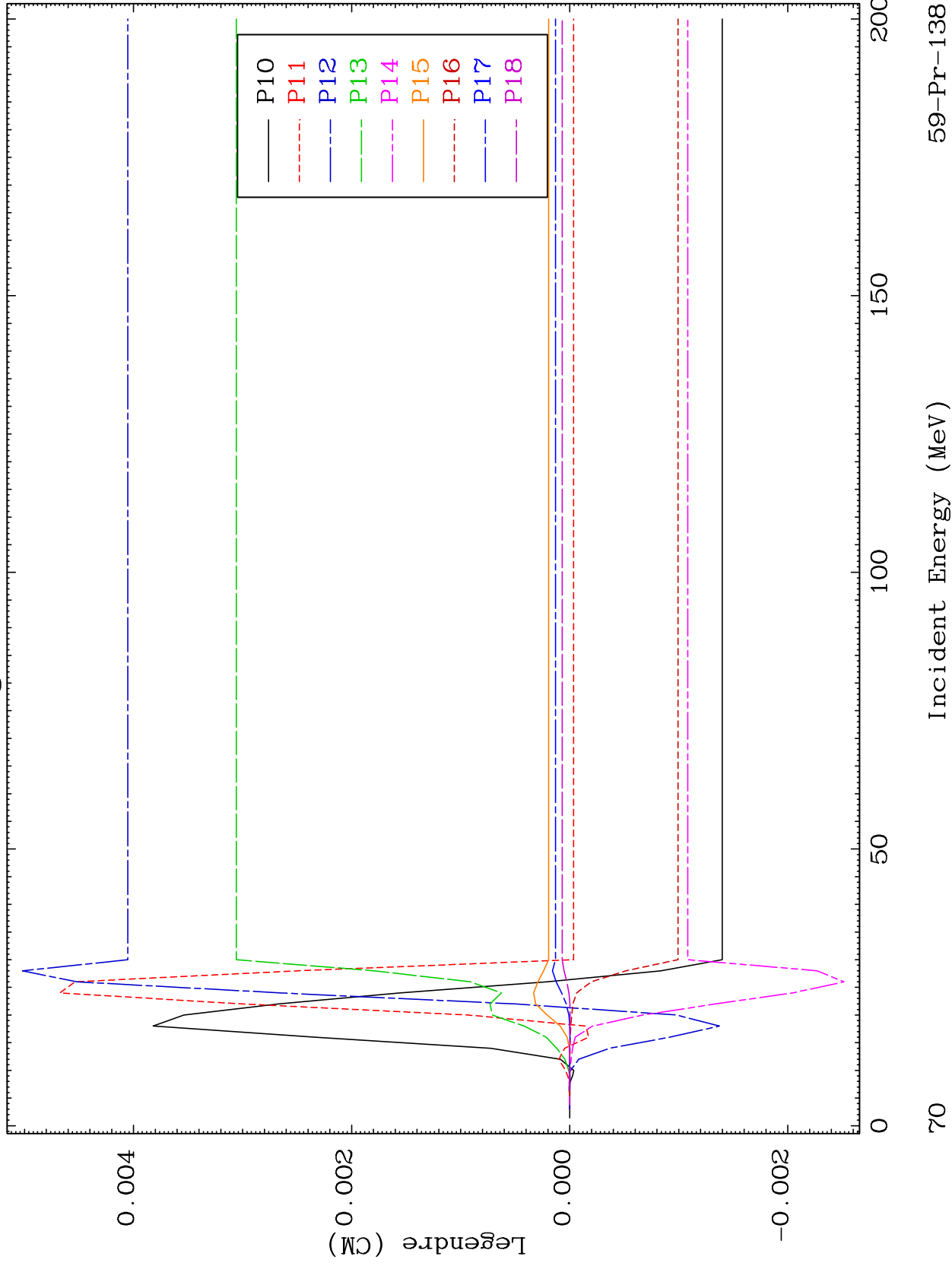
59-Pr-138



MAT 5916

1.078 MeV (n,n') Level
Legendre Coefficients

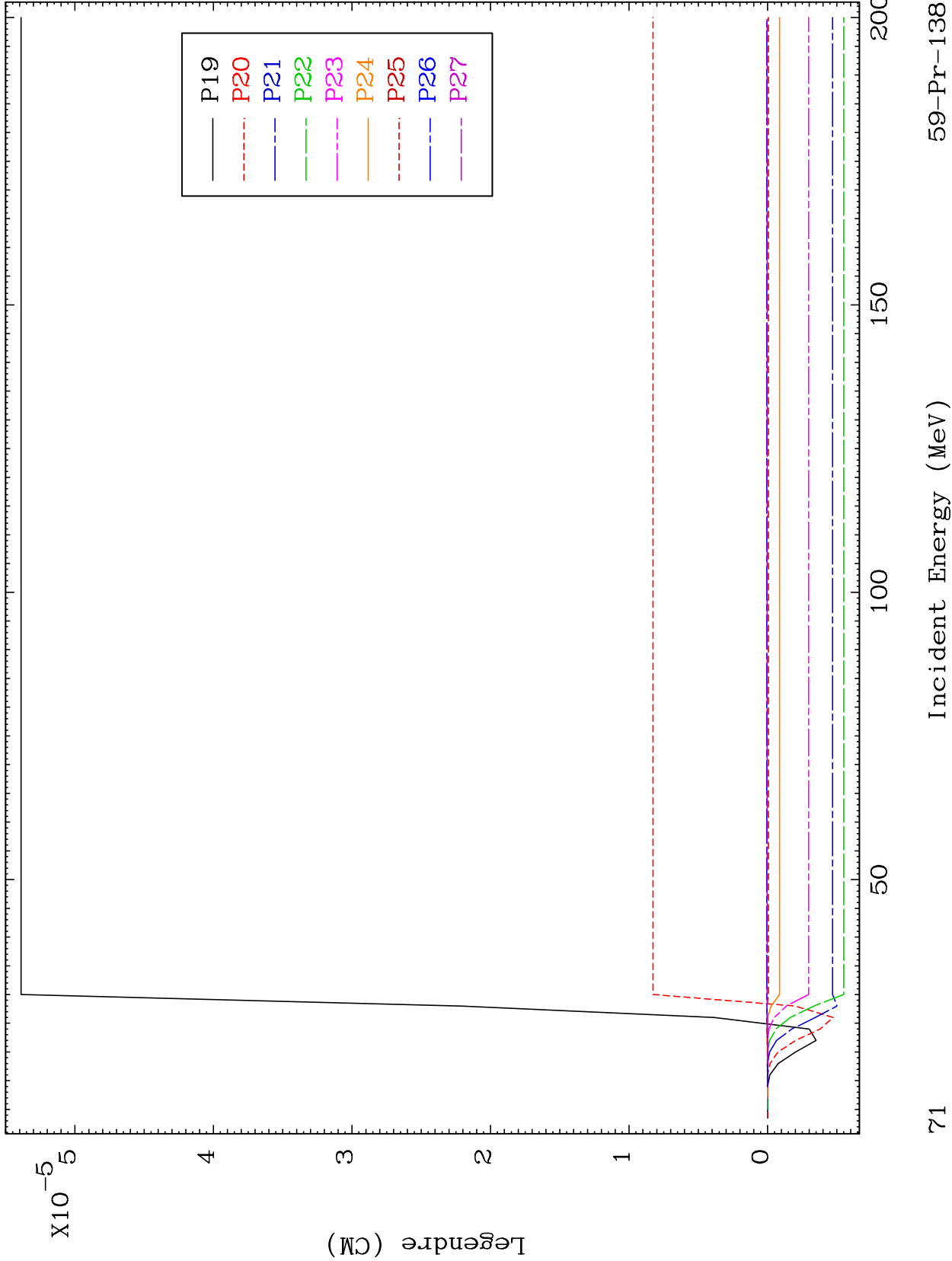
59-Pr-138

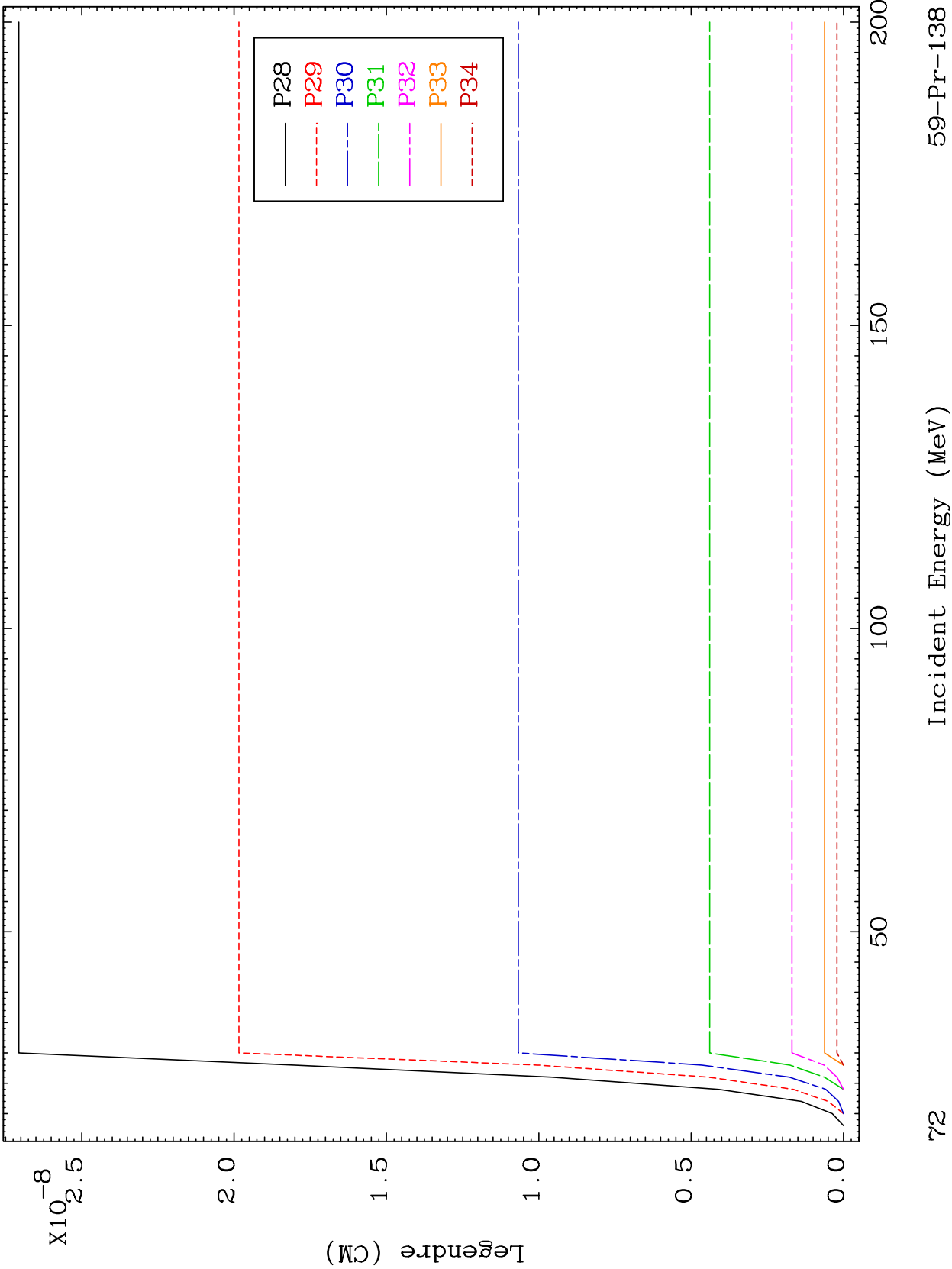


59-Pr-138

Incident Energy (MeV)

70

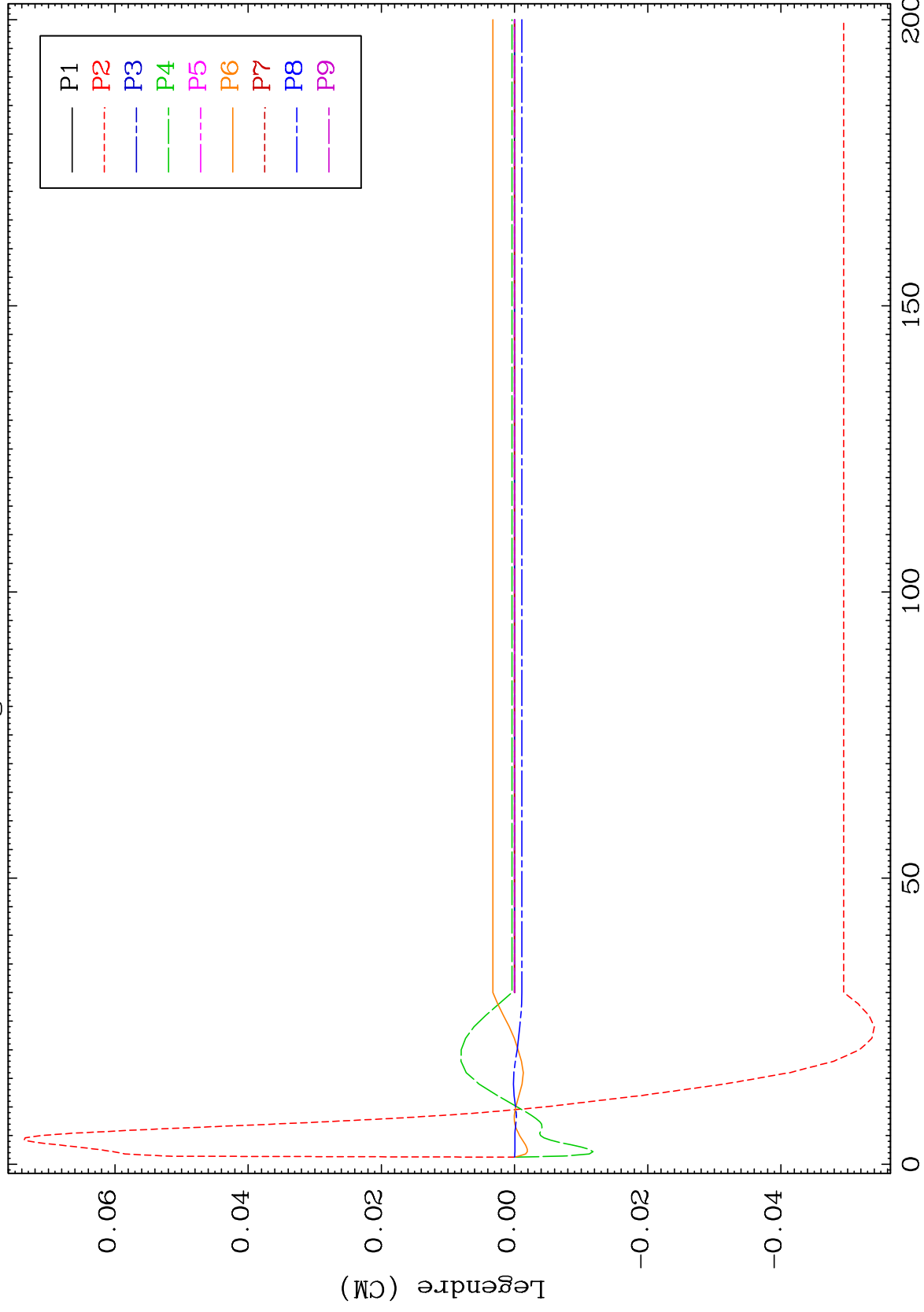




MAT 5916

1.214 MeV (n,n') Level
Legendre Coefficients

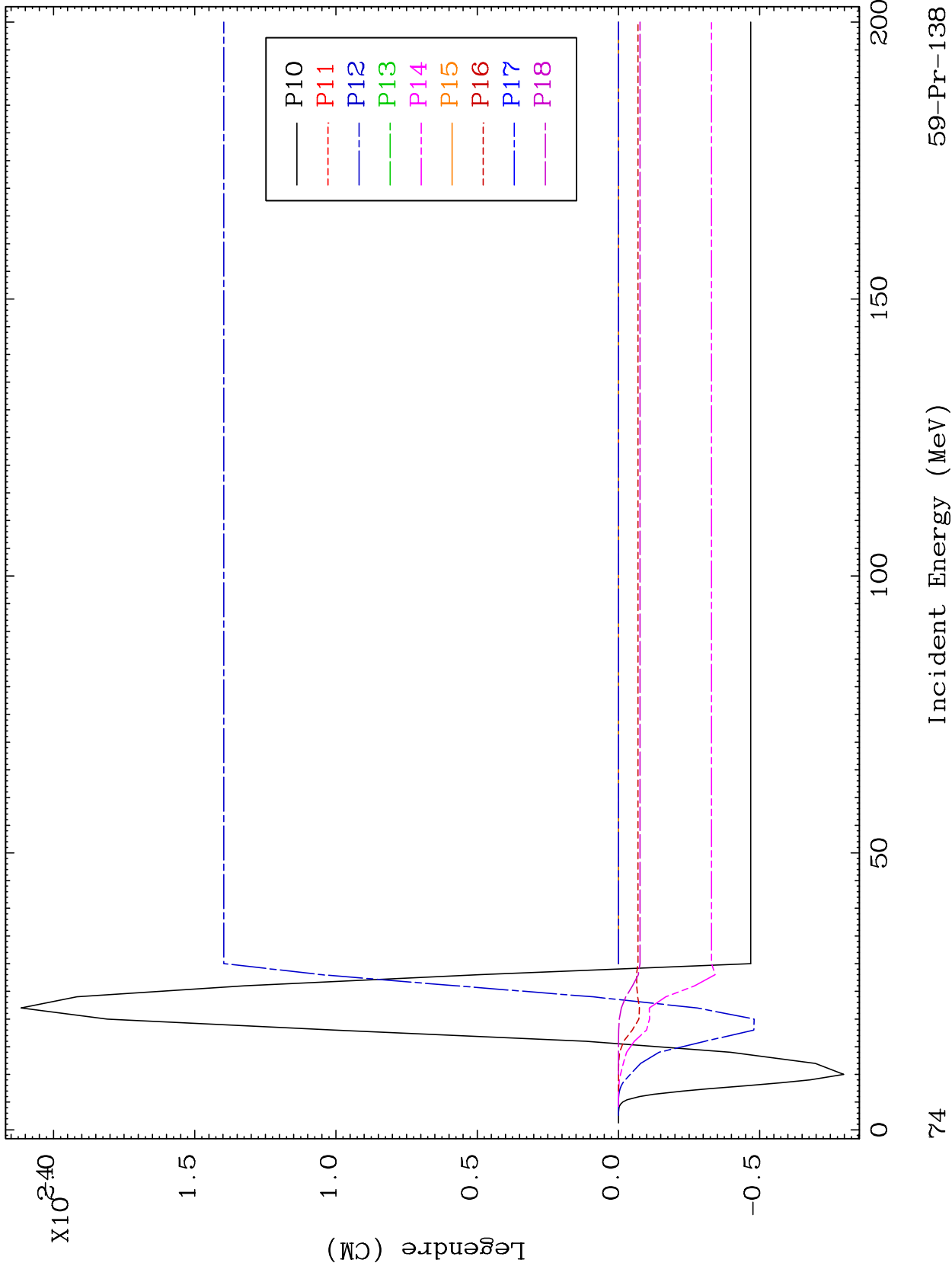
59-Pr-138

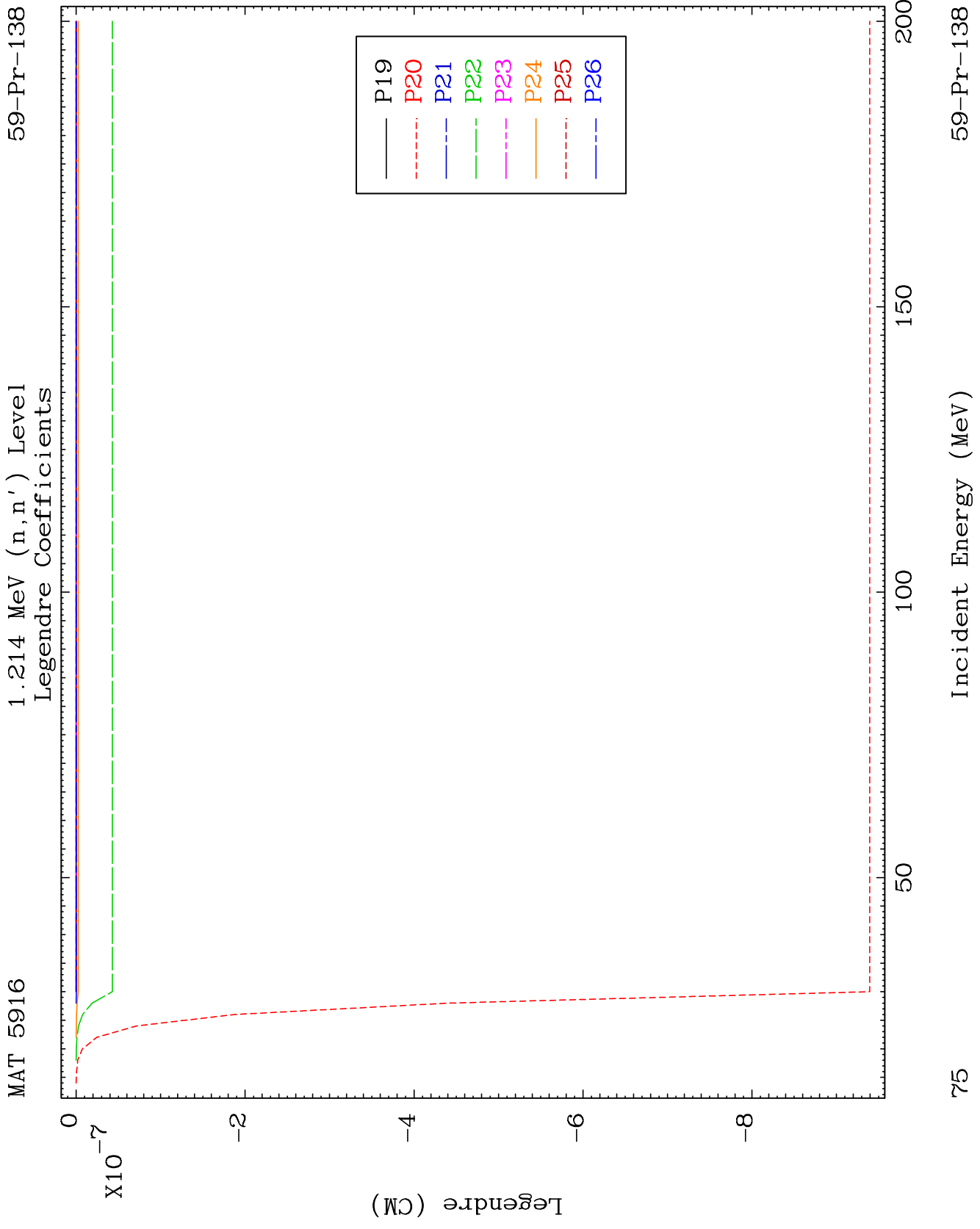


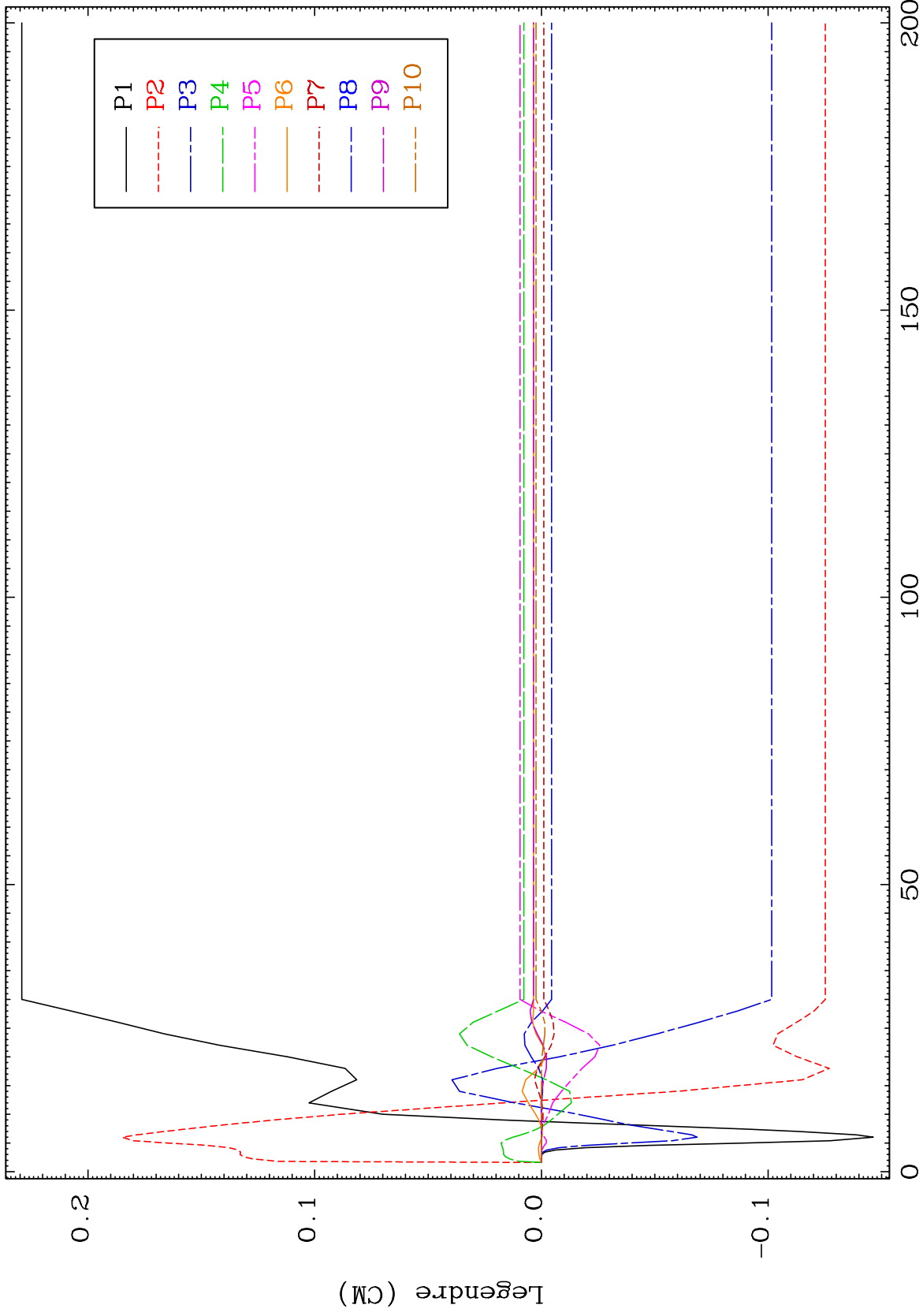
73

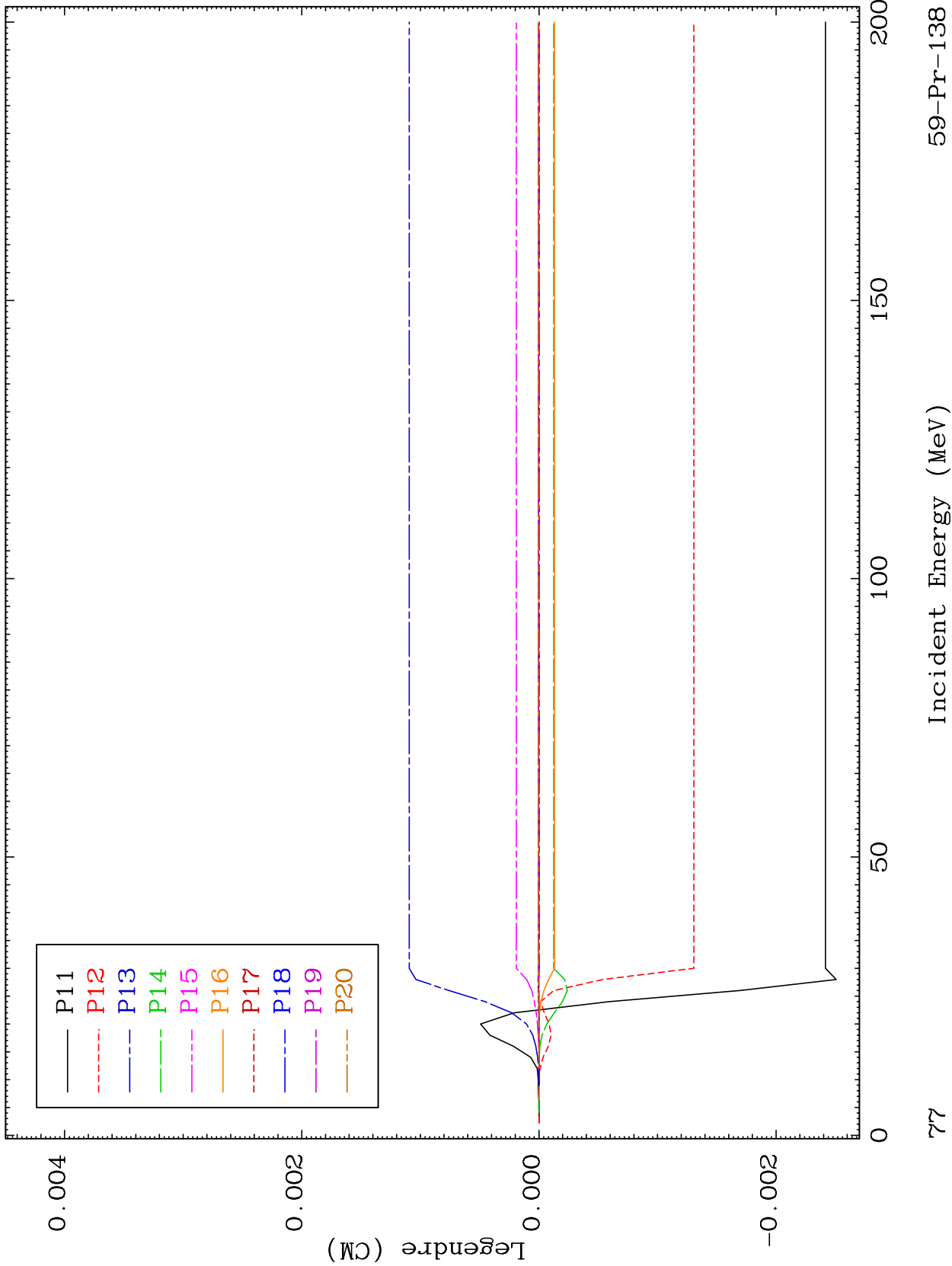
Incident Energy (MeV)

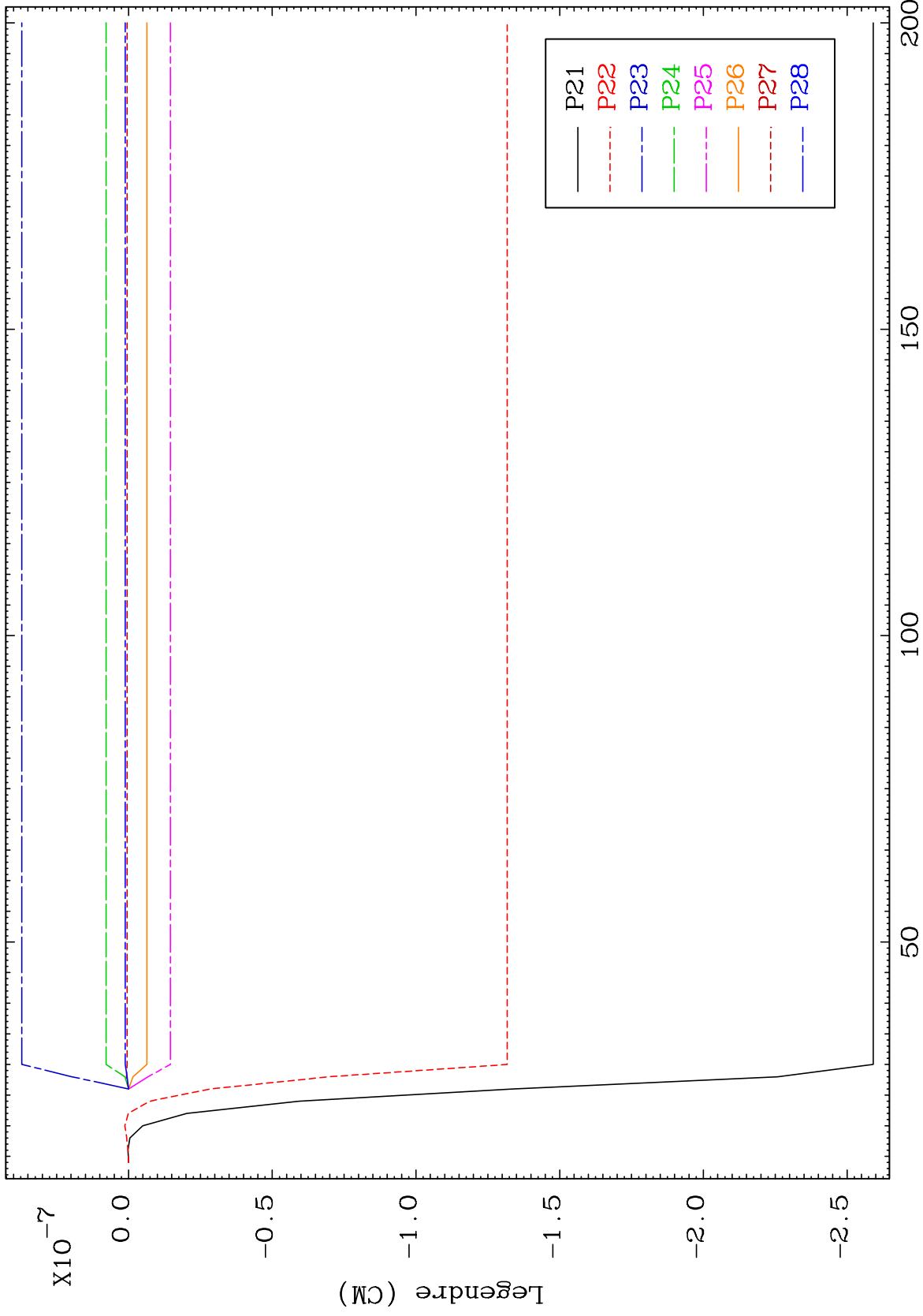
59-Pr-138

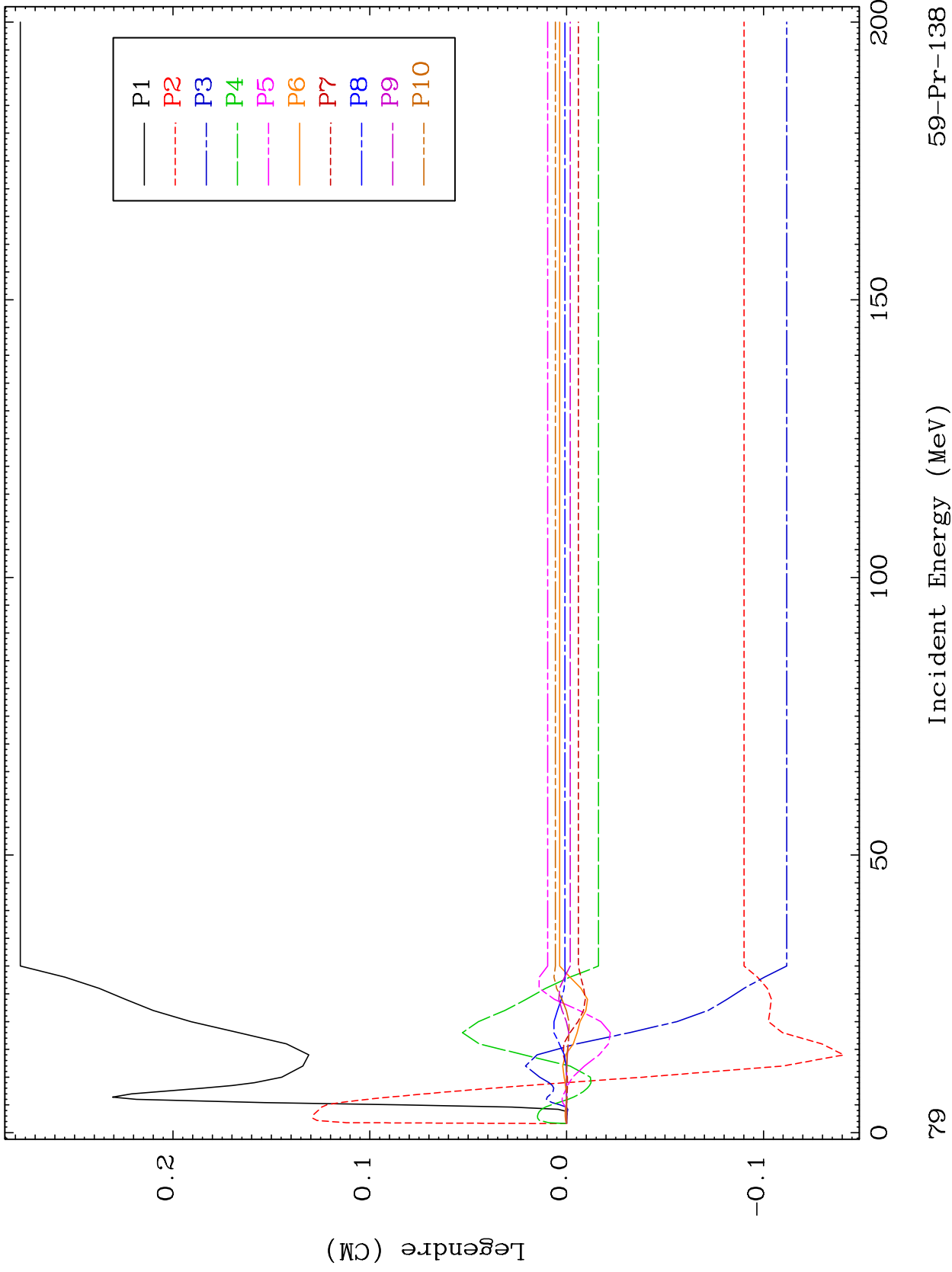








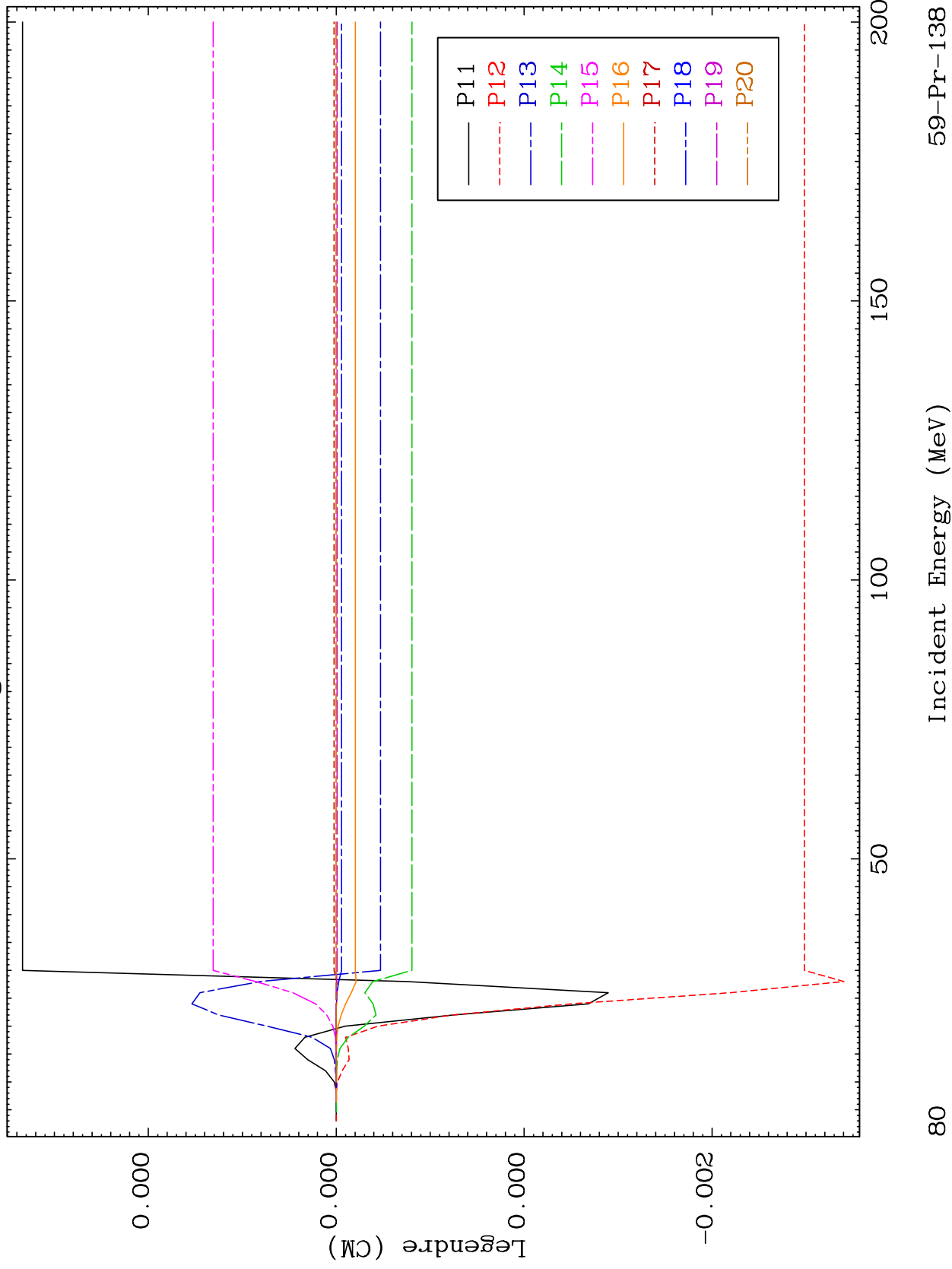




MAT 5916

1.616 MeV (n,n') Level
Legendre Coefficients

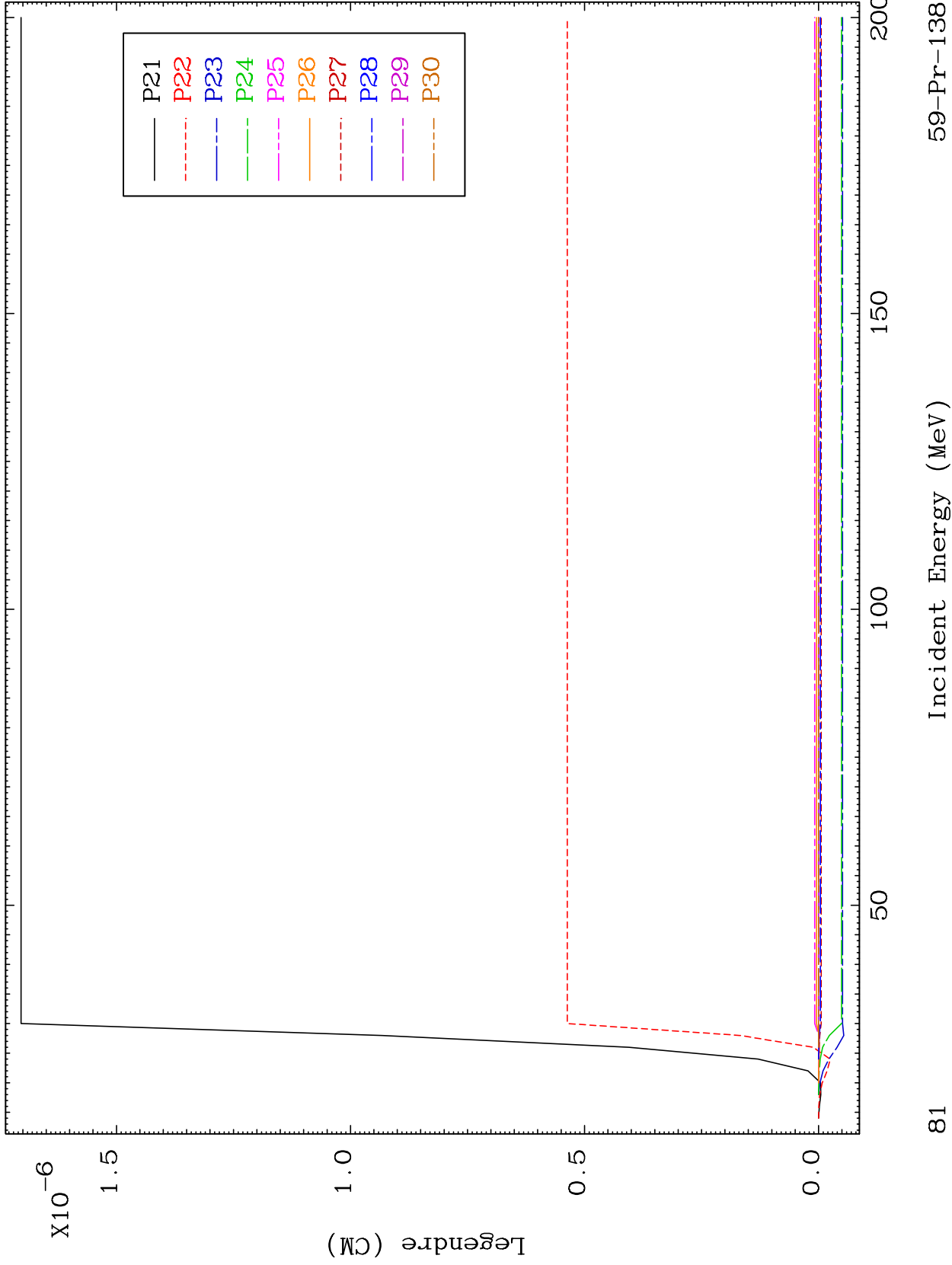
59-Pr-138



80

Incident Energy (MeV)

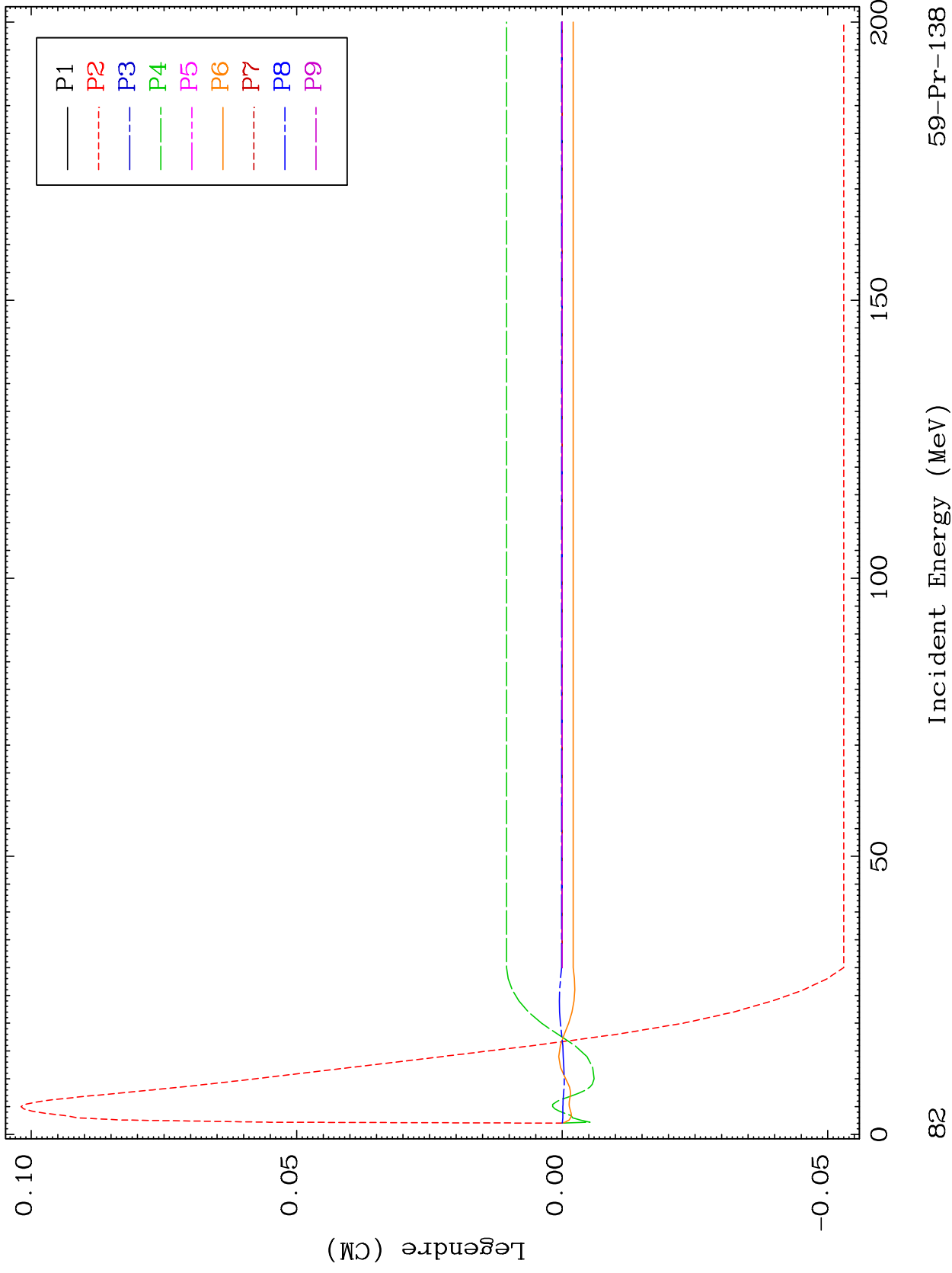
59-Pr-138



MAT 5916

2.012 MeV (n,n') Level
Legendre Coefficients

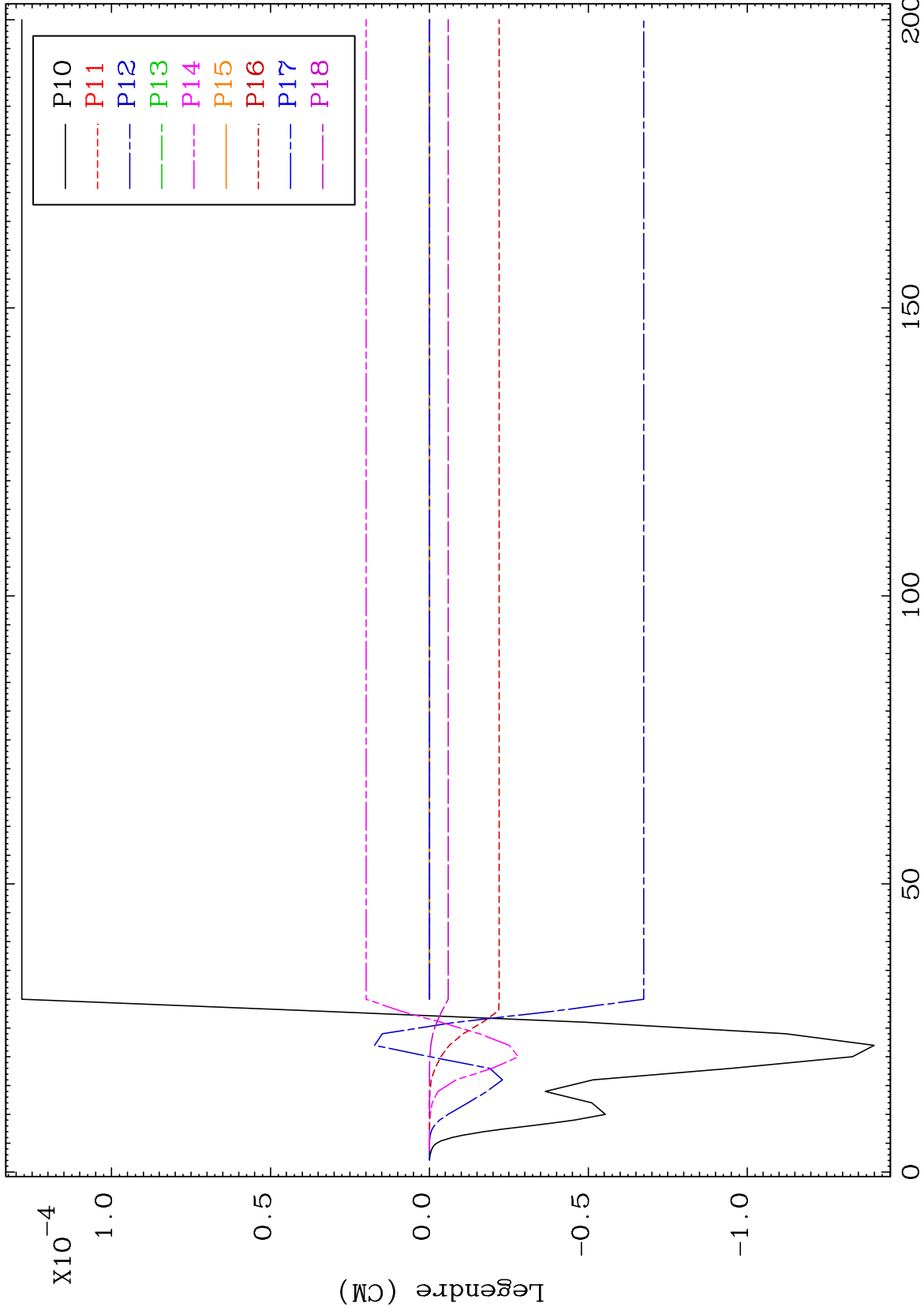
59-Pr-138

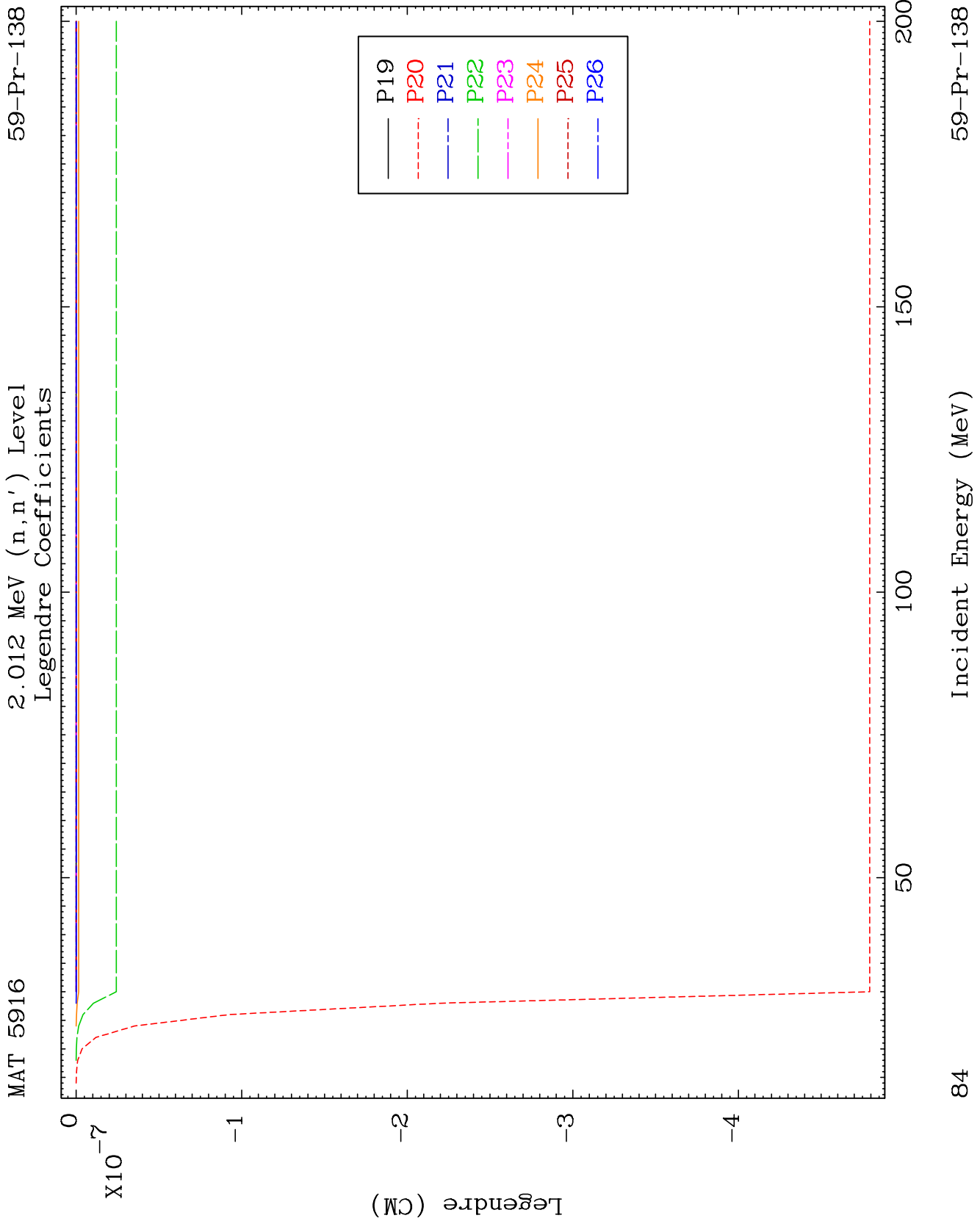


59-Pr-138

Incident Energy (MeV)

82

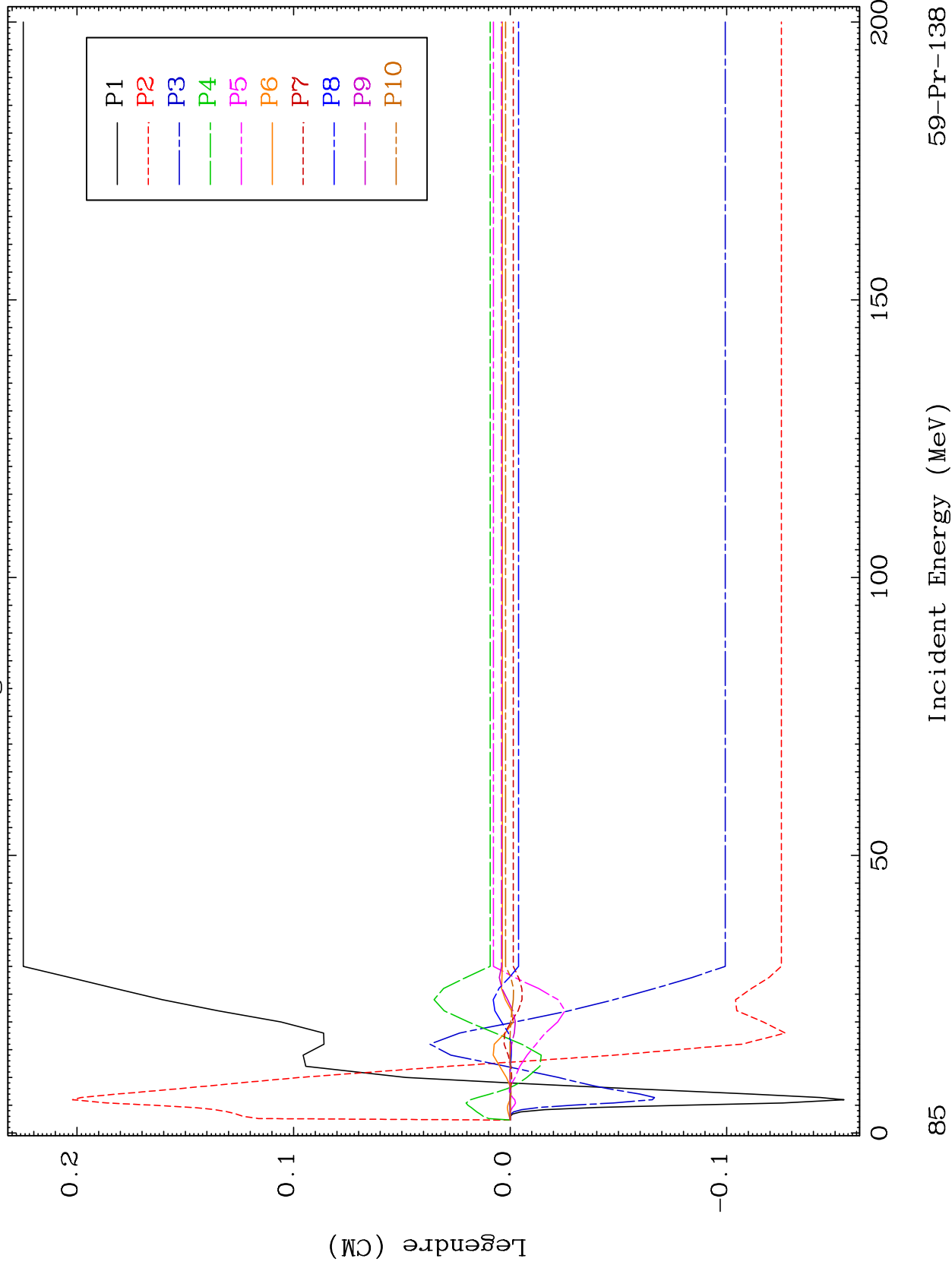




MAT 5916

2.309 MeV (n,n') Level
Legendre Coefficients

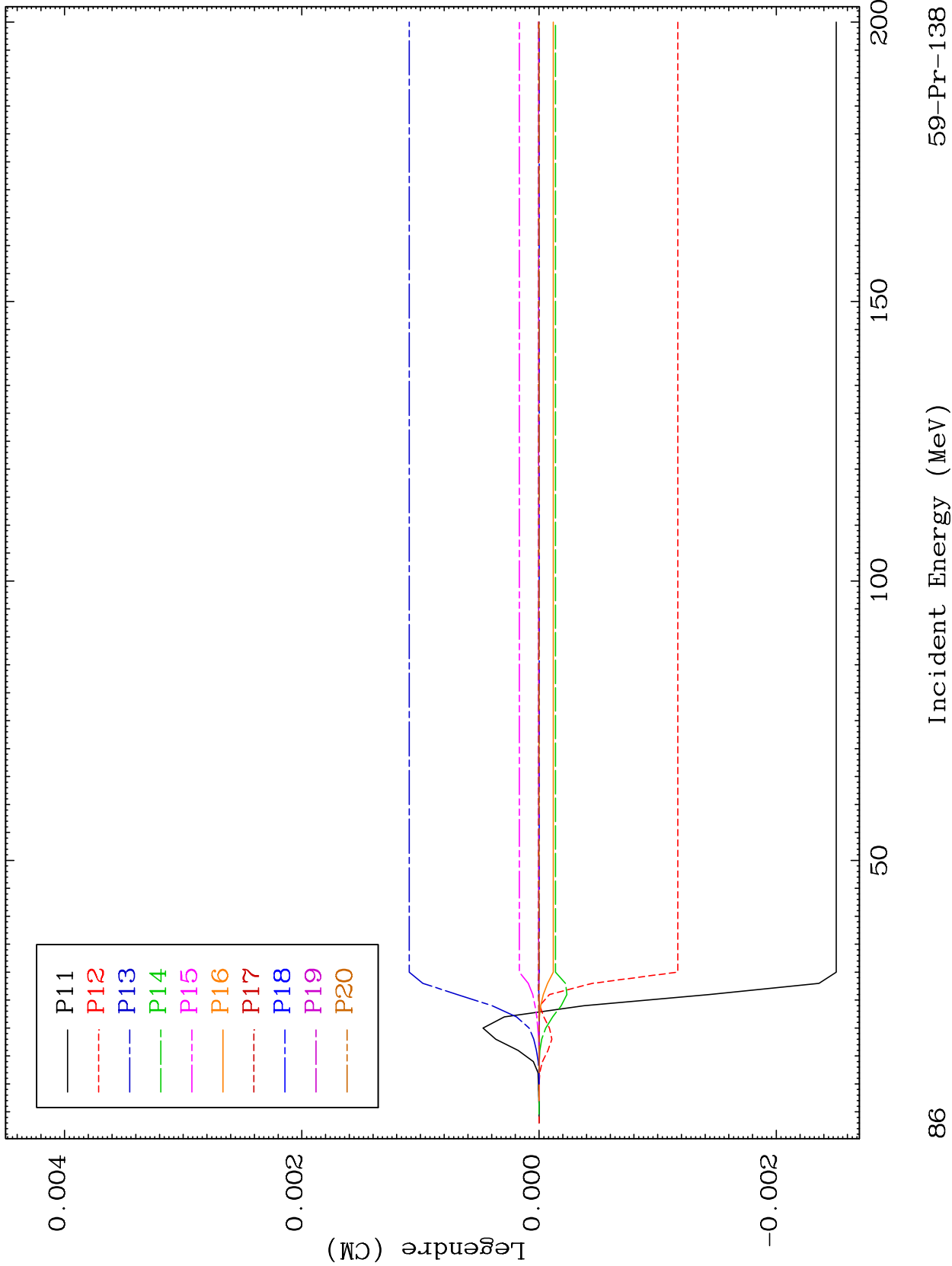
59-Pr-138

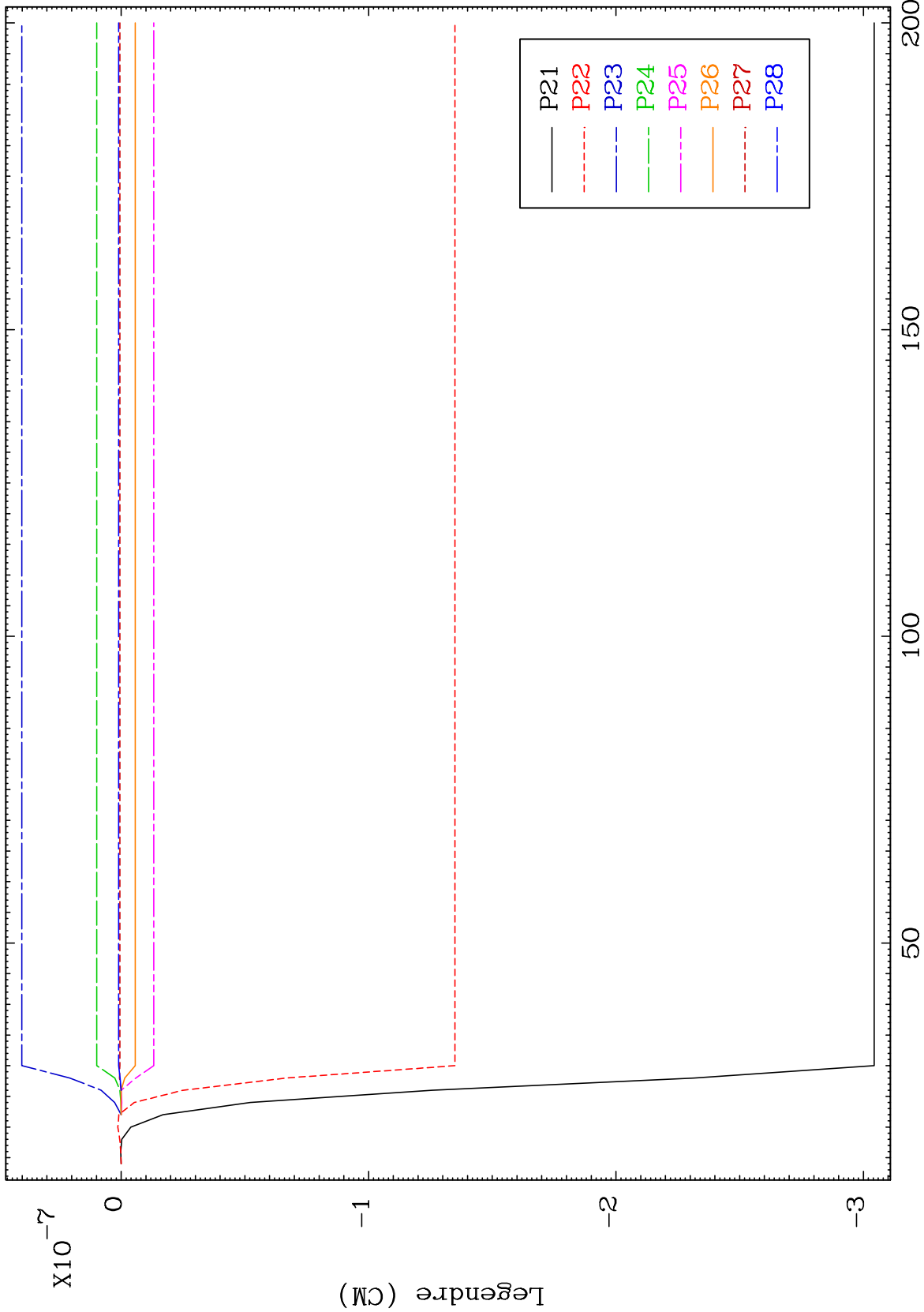


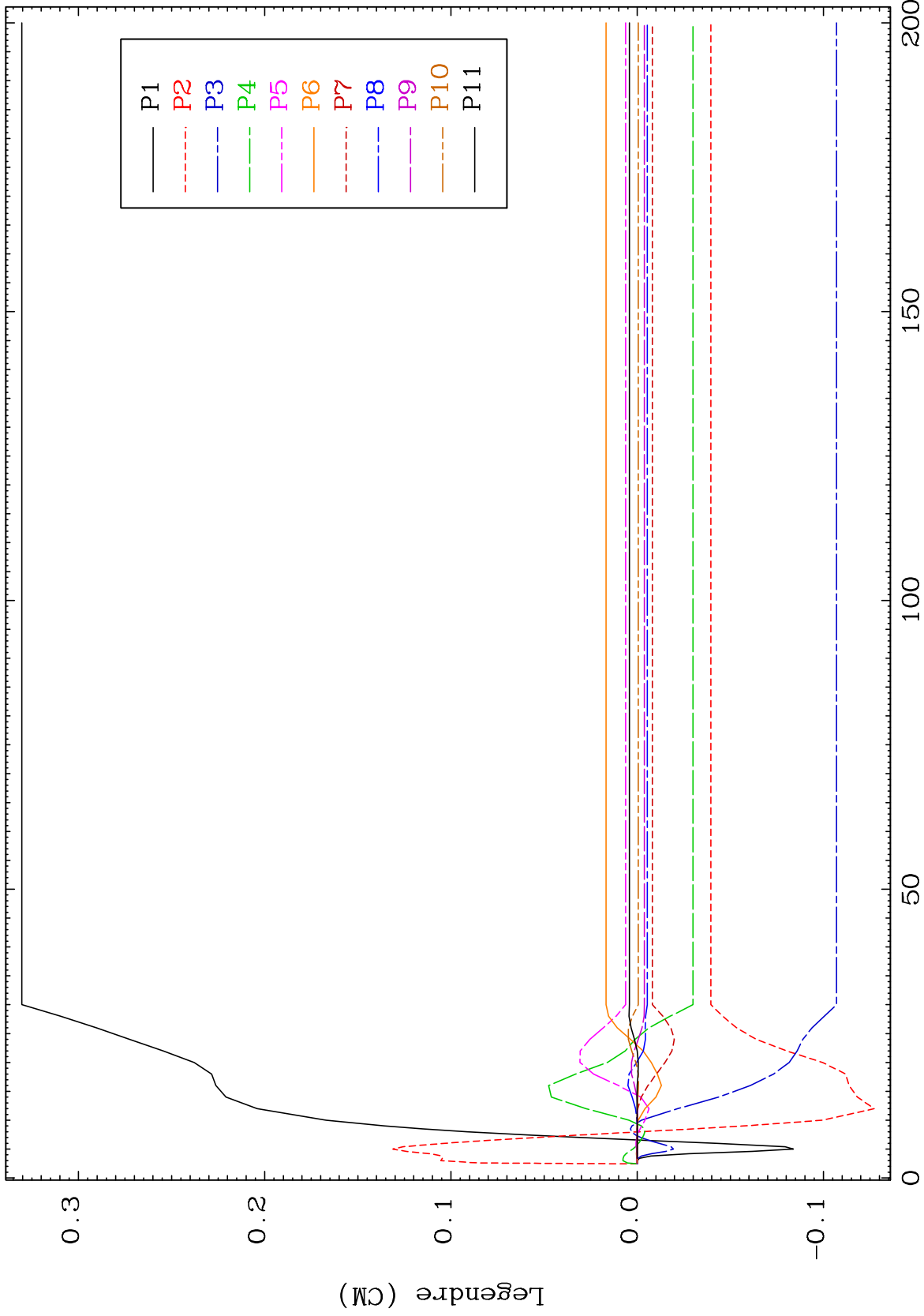
59-Pr-138

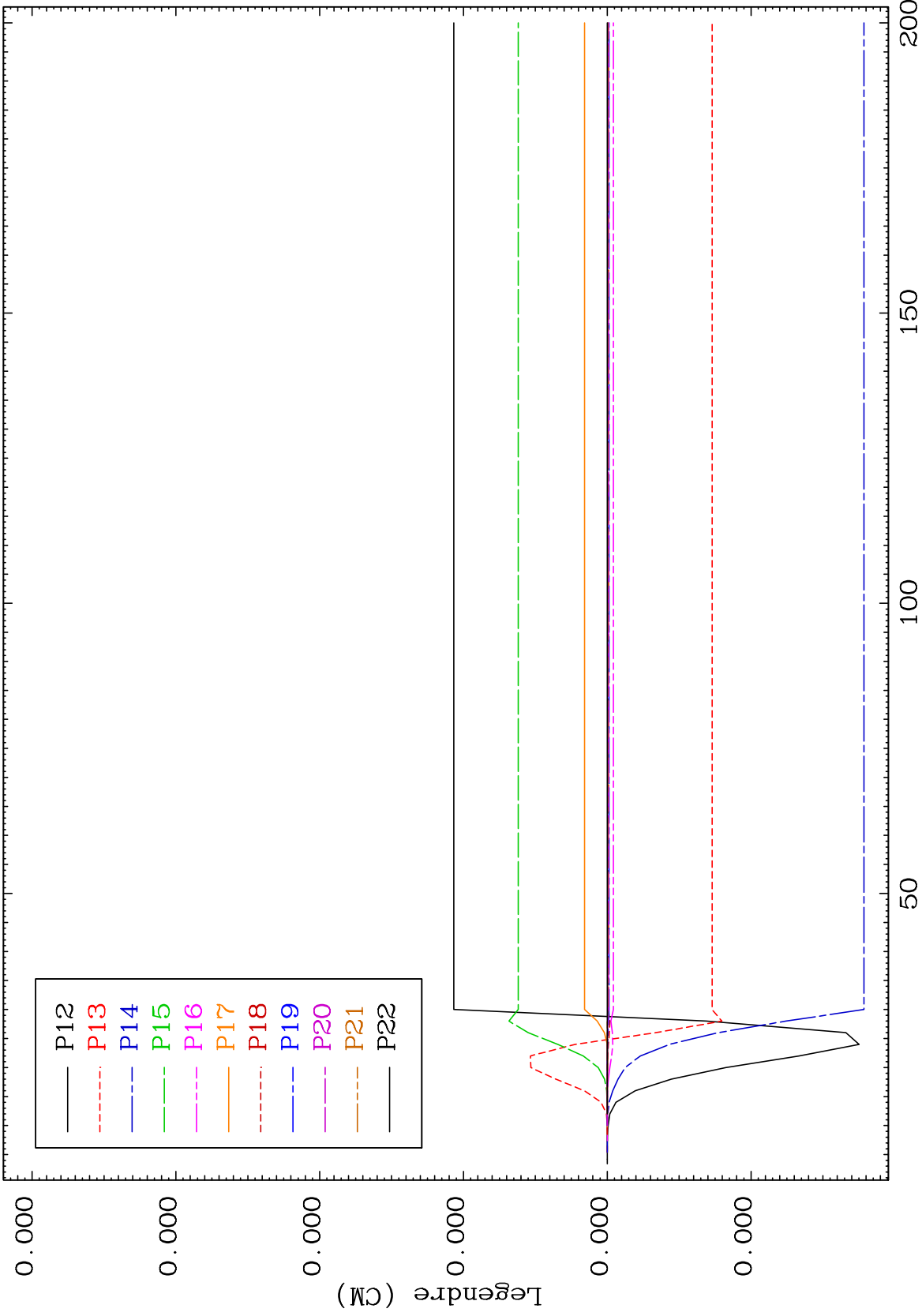
Incident Energy (MeV)

85





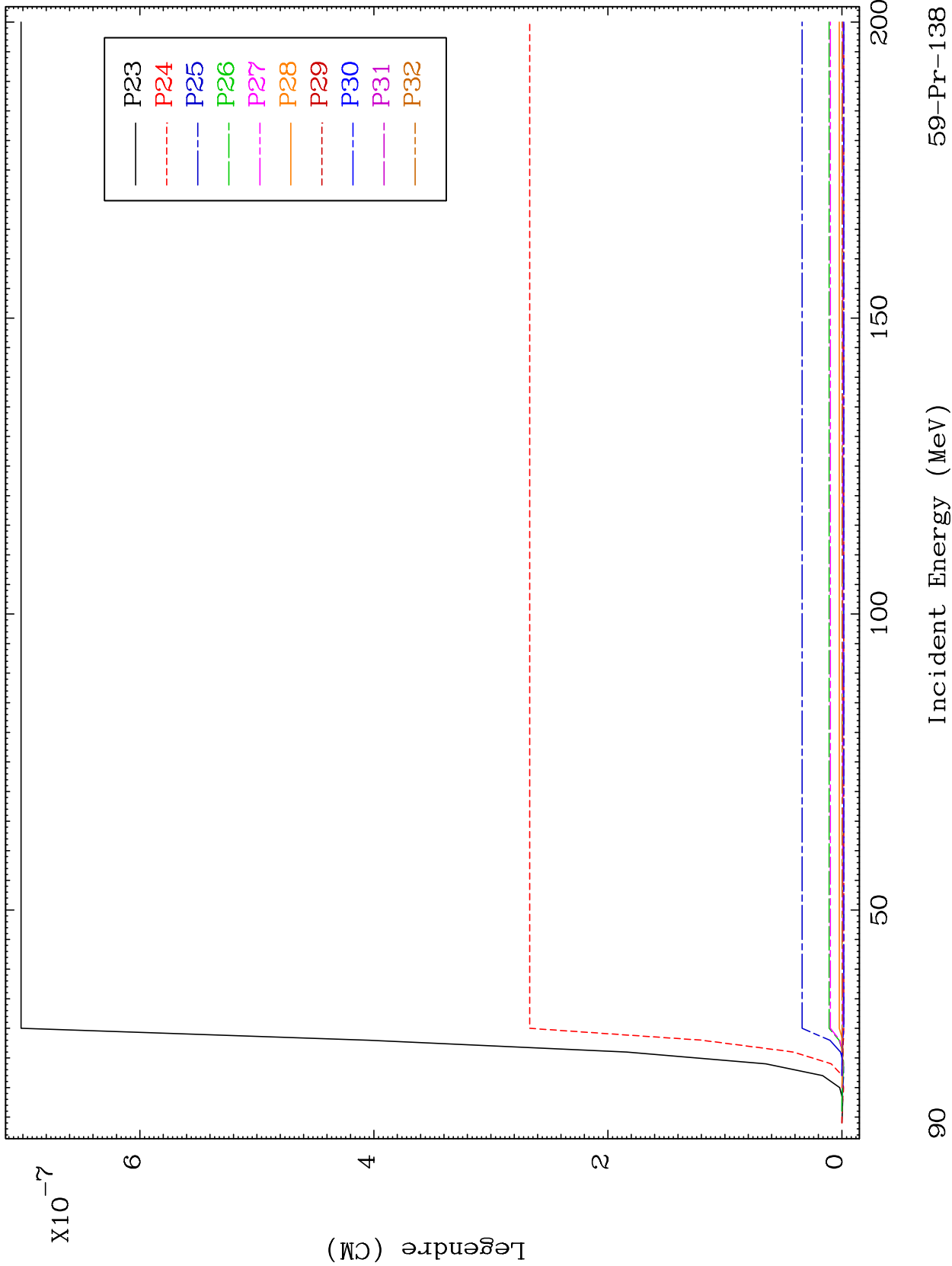




MAT 5916

2.420 MeV (n,n') Level
Legendre Coefficients

59-Pr-138



90

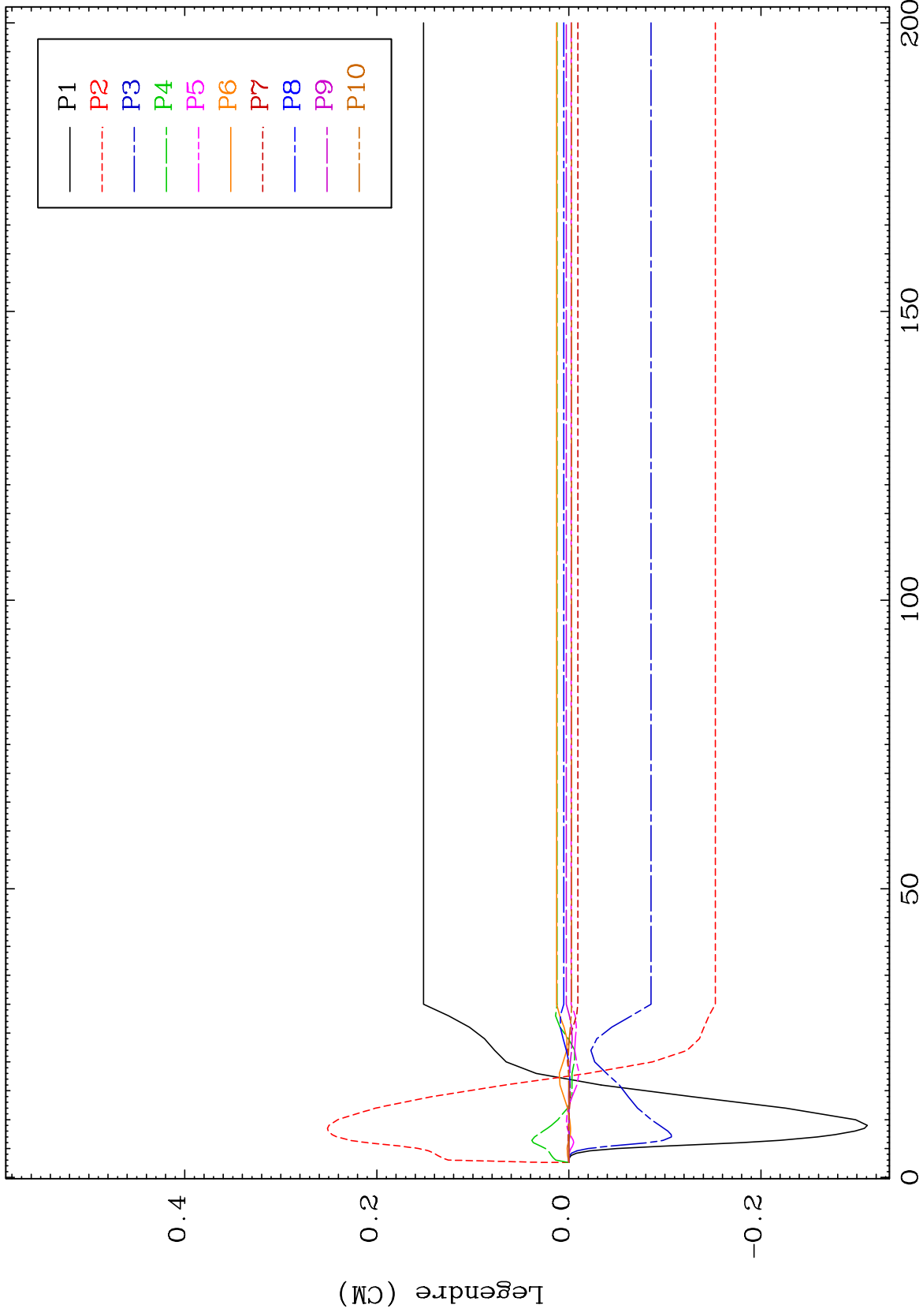
Incident Energy (MeV)

59-Pr-138

MAT 5916

2.557 MeV (n,n') Level
Legendre Coefficients

59-Pr-138



91

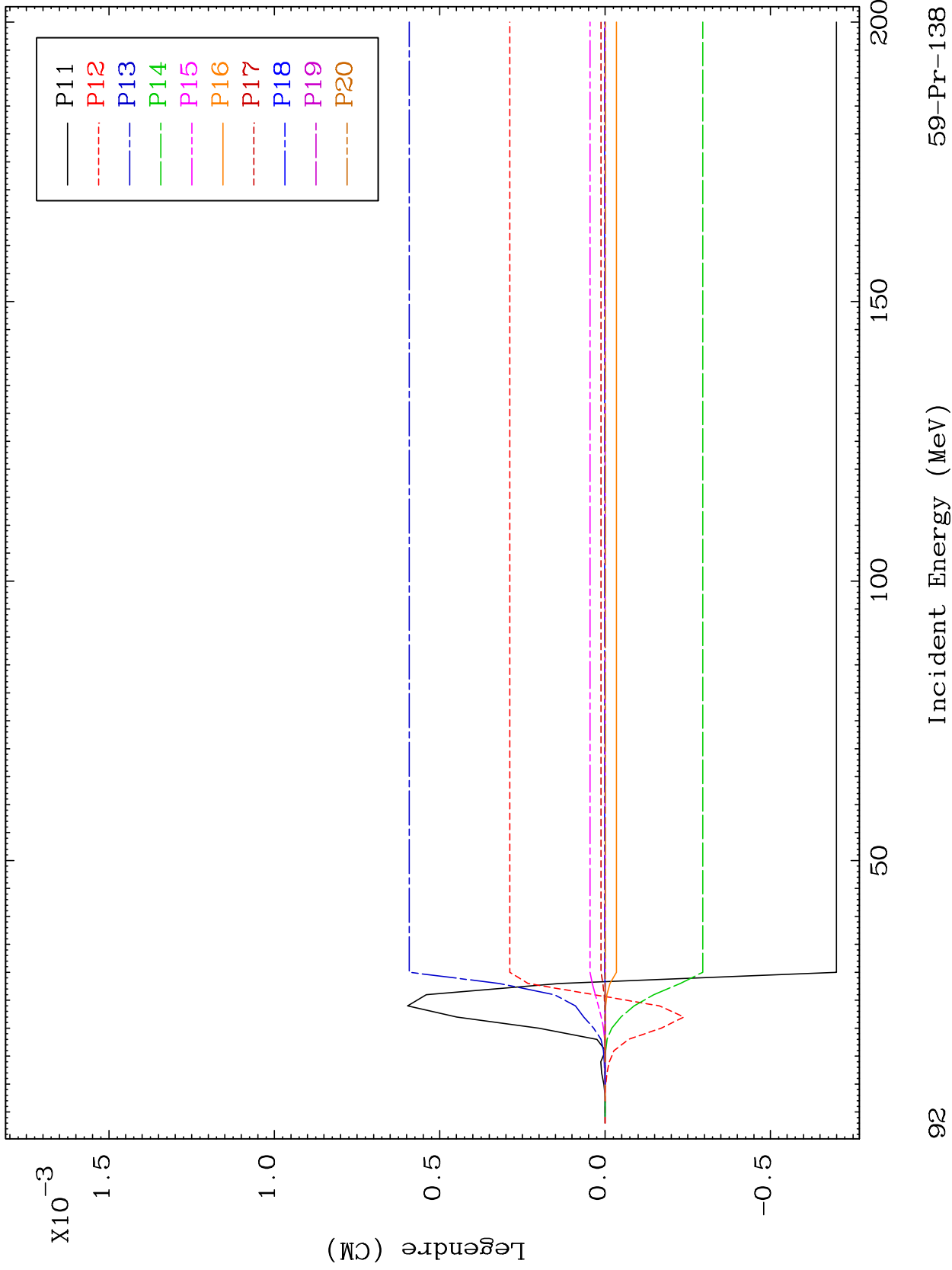
Incident Energy (MeV)

59-Pr-138

MAT 5916

2.557 MeV (n,n') Level
Legendre Coefficients

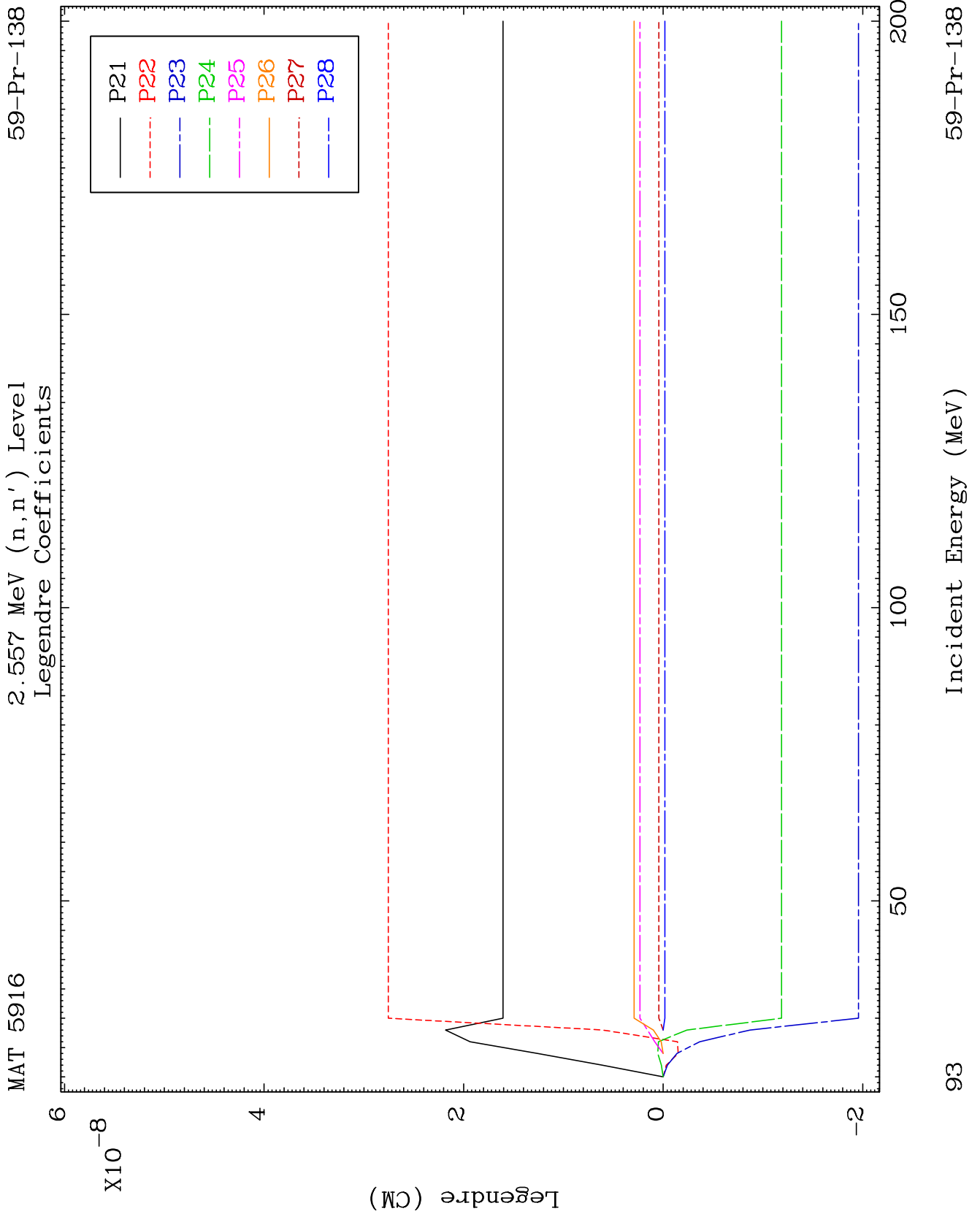
59-Pr-138

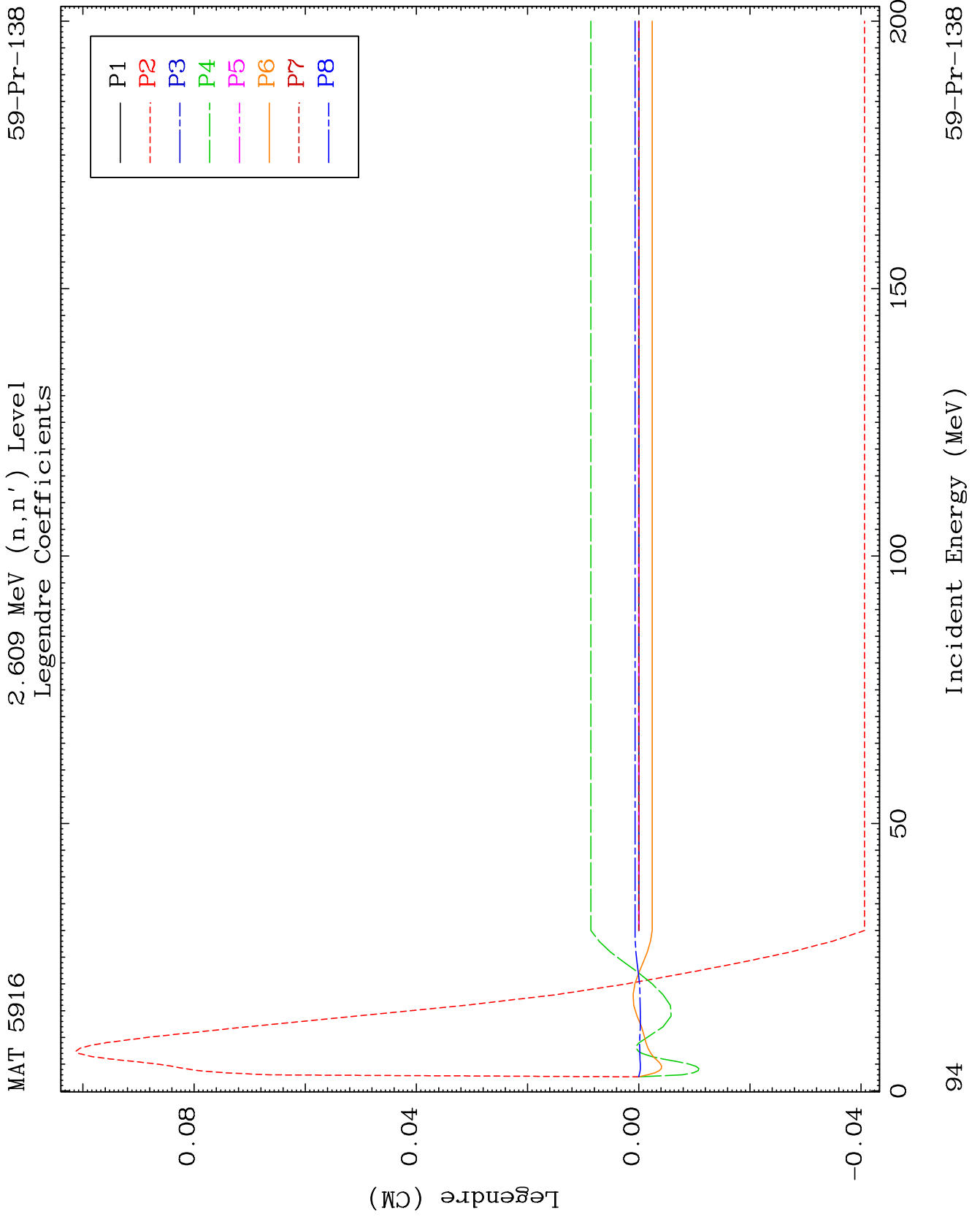


92

Incident Energy (MeV)

59-Pr-138

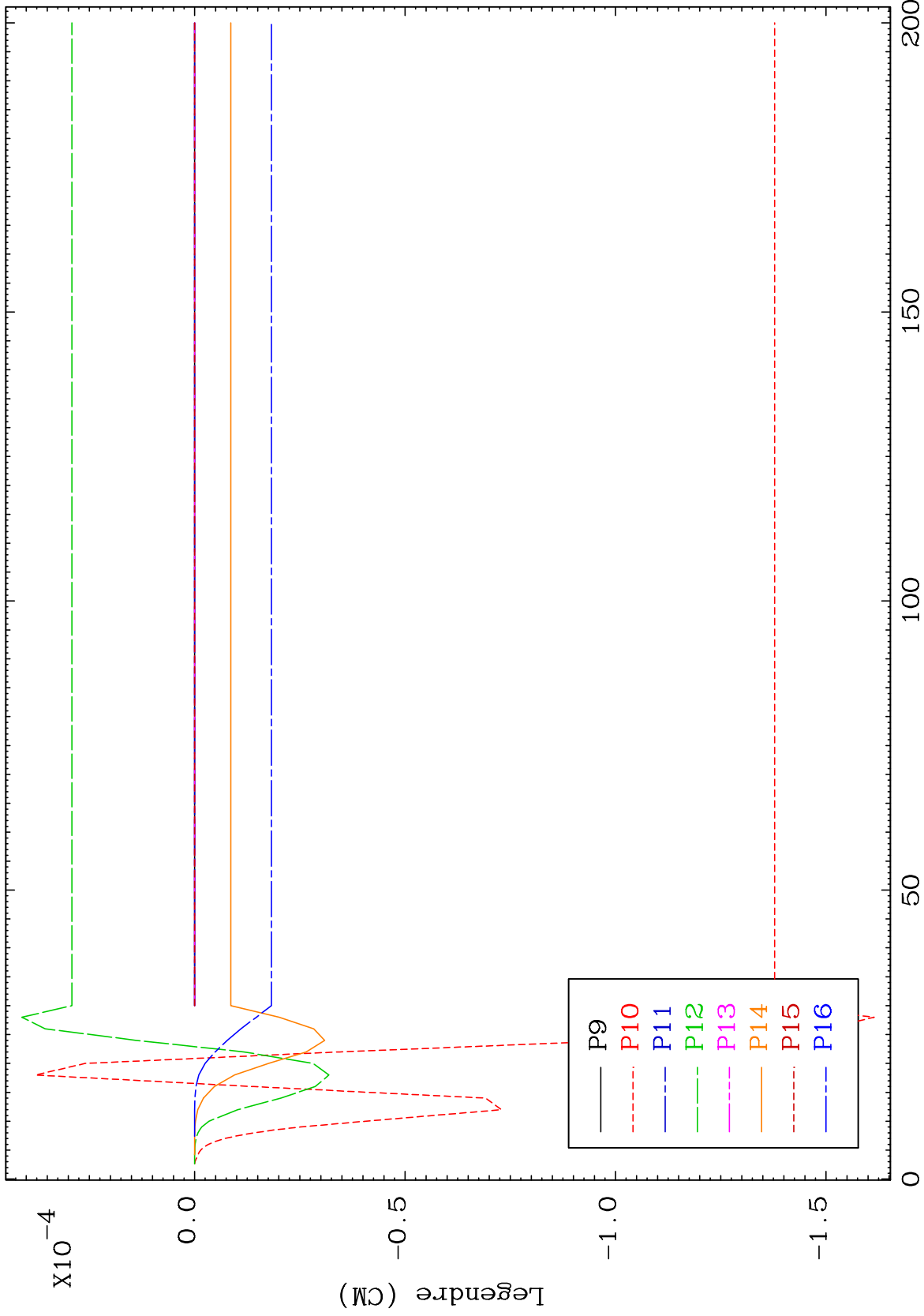




MAT 5916

2.609 MeV (n,n') Level
Legendre Coefficients

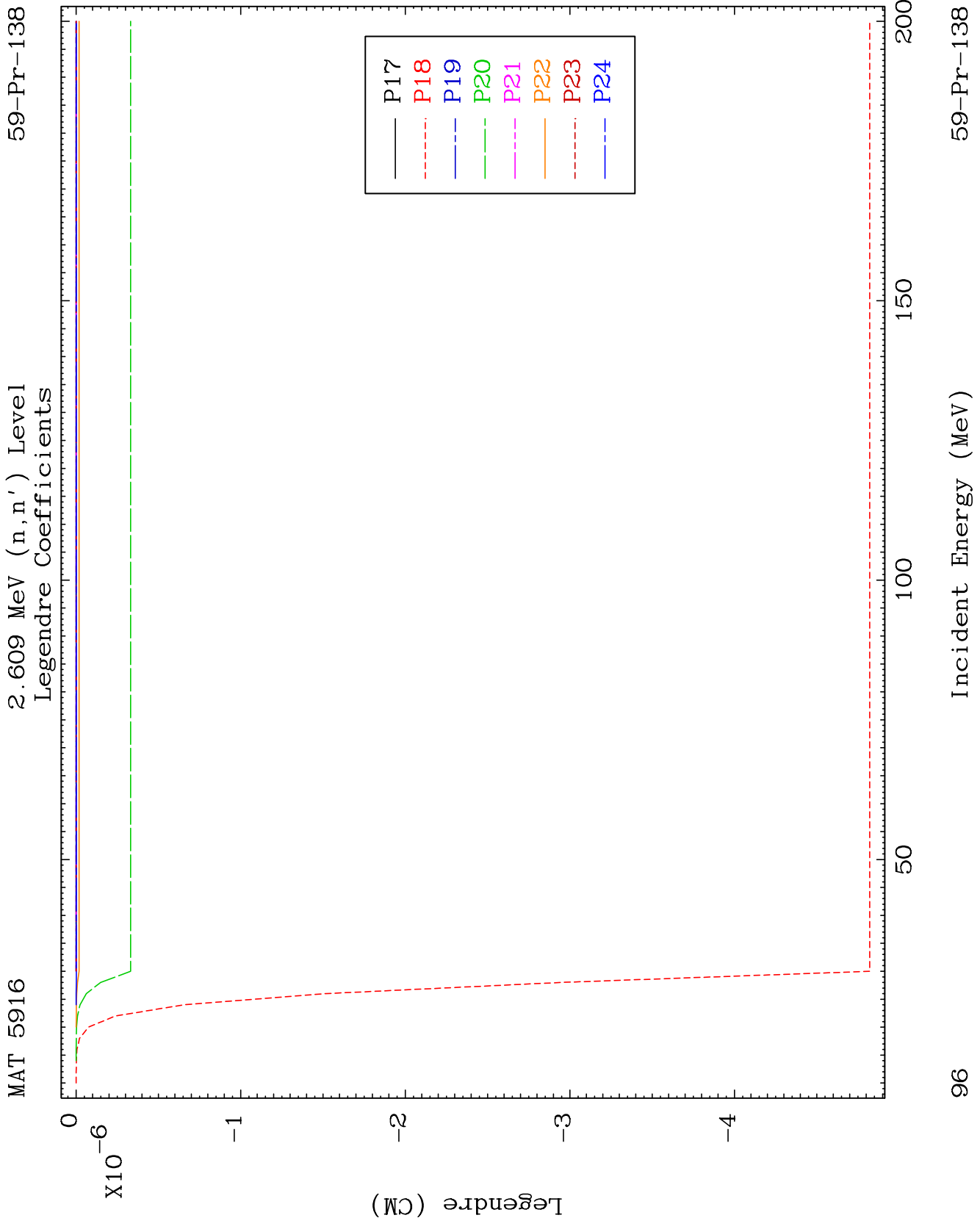
59-Pr-138



95

Incident Energy (MeV)

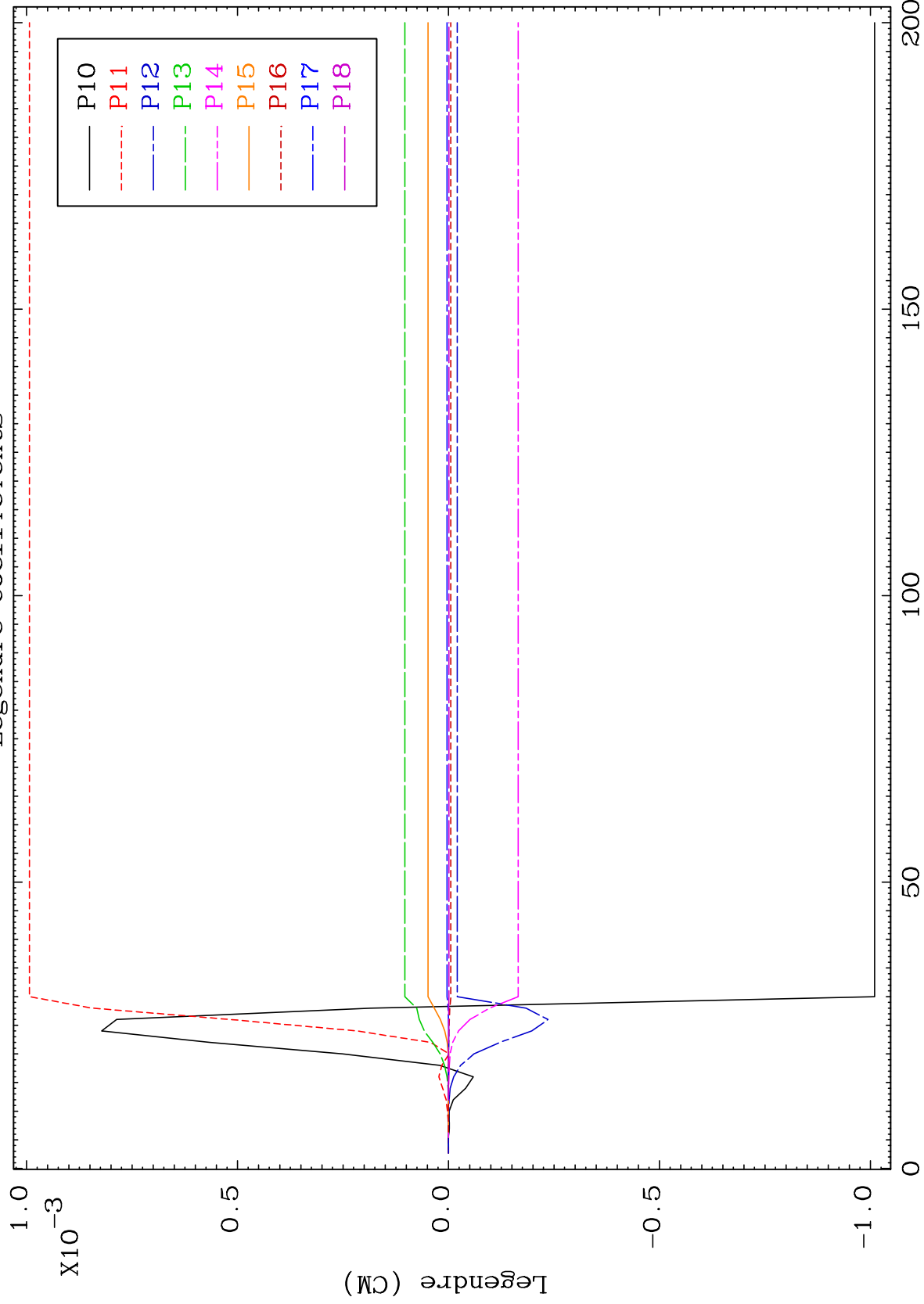
59-Pr-138



MAT 5916

2.639 MeV (n,n') Level
Legendre Coefficients

59-Pr-138



98

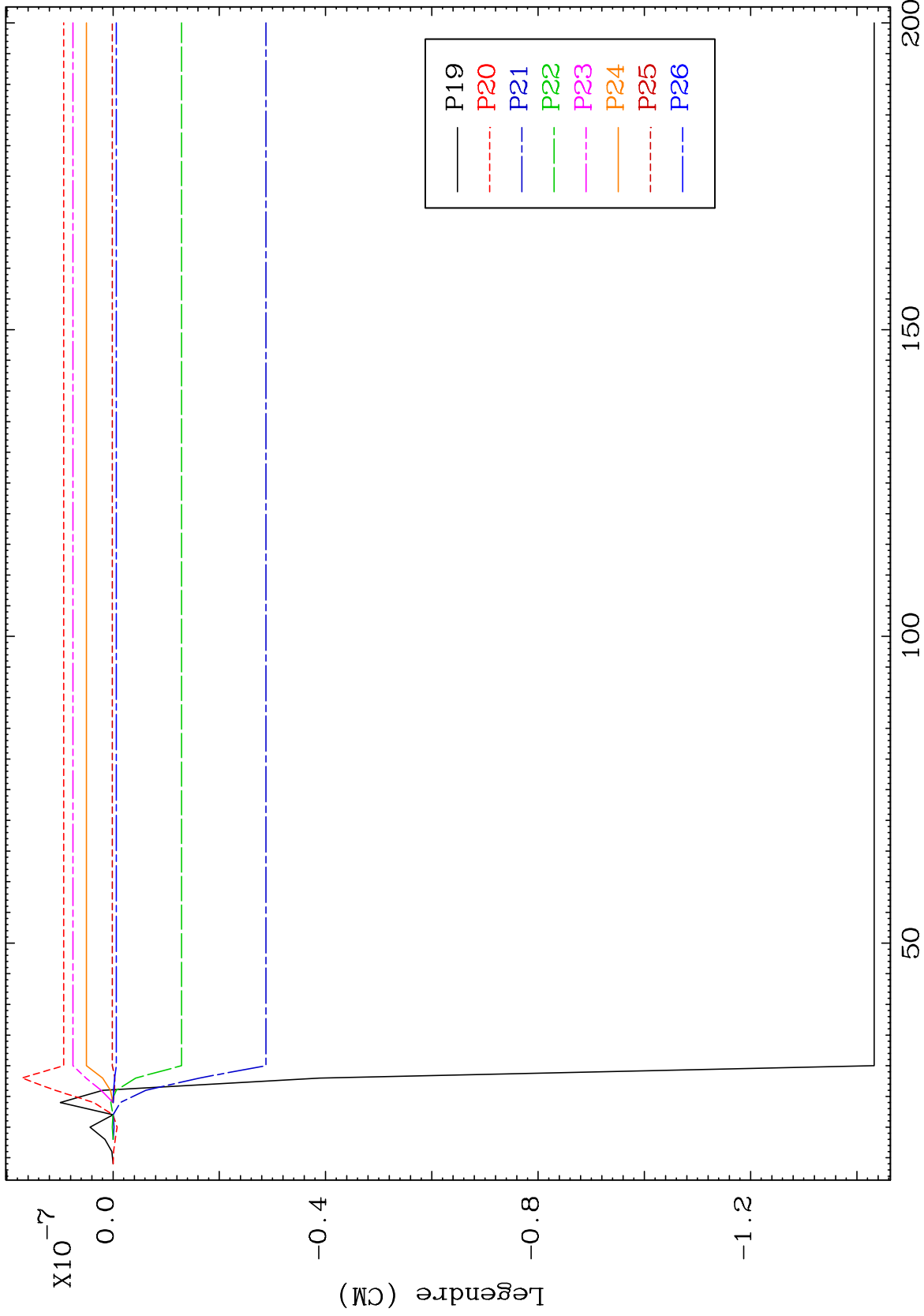
Incident Energy (MeV)

59-Pr-138

MAT 5916

2.639 MeV (n,n') Level
Legendre Coefficients

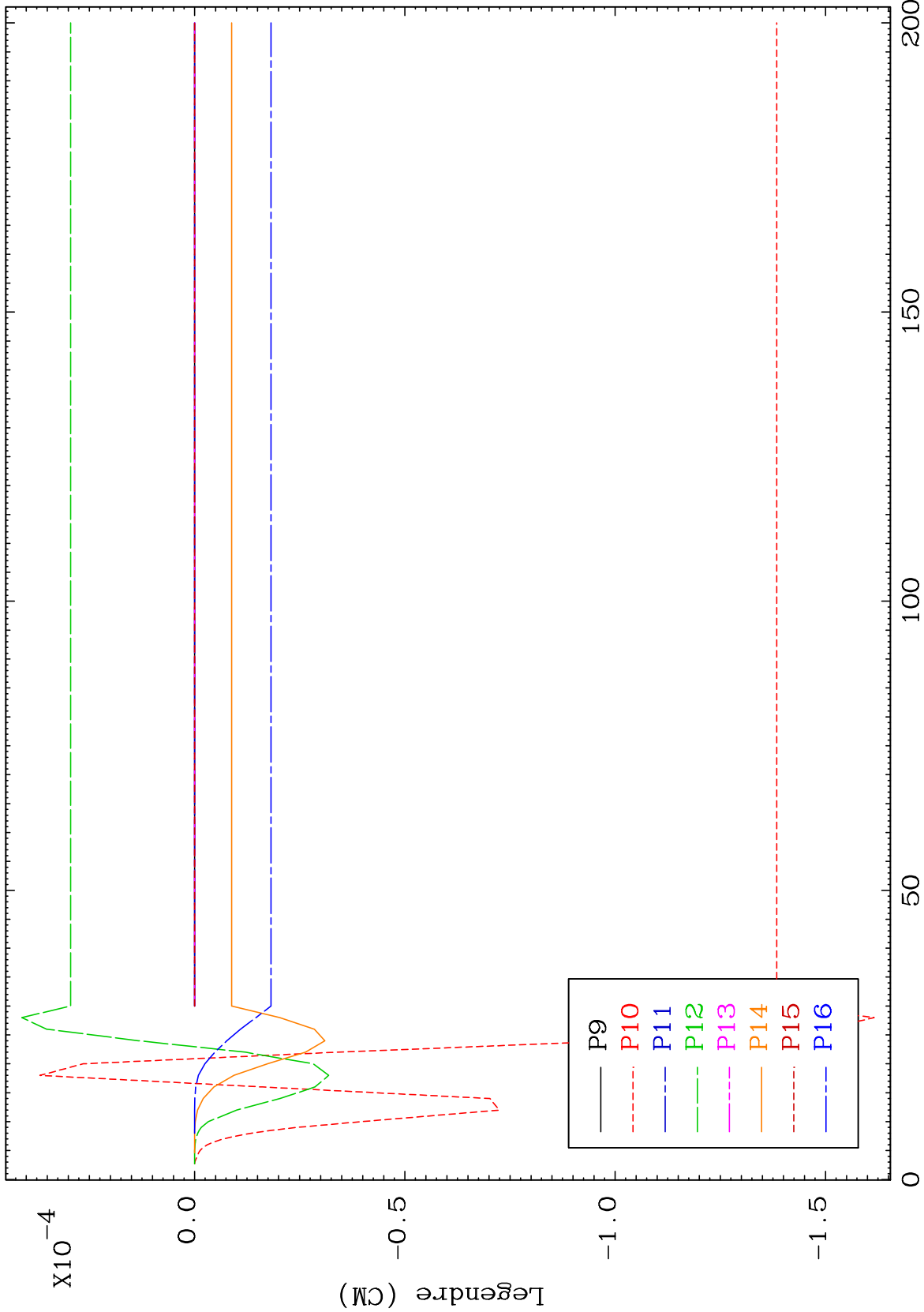
59-Pr-138

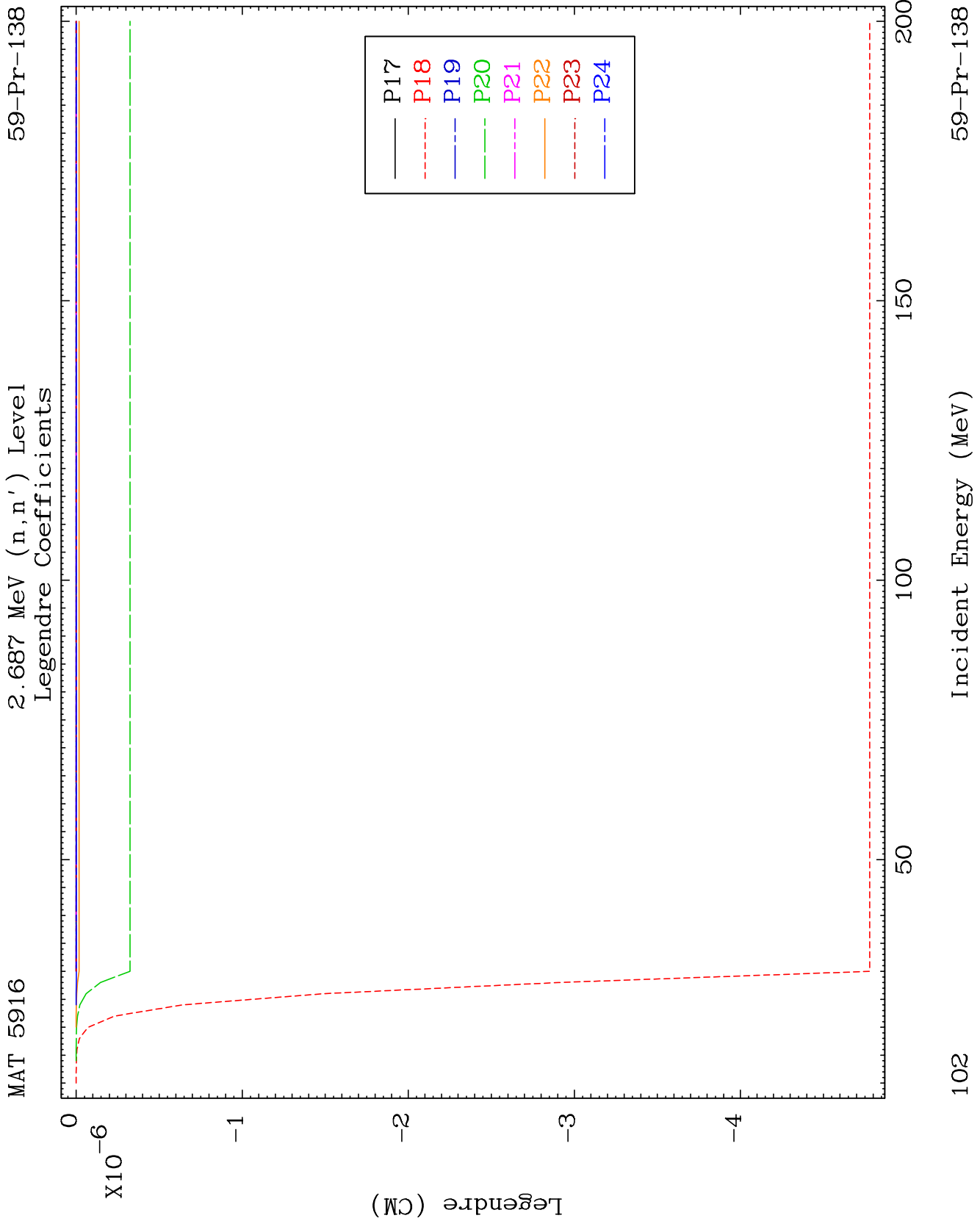


99

Incident Energy (MeV)

59-Pr-138

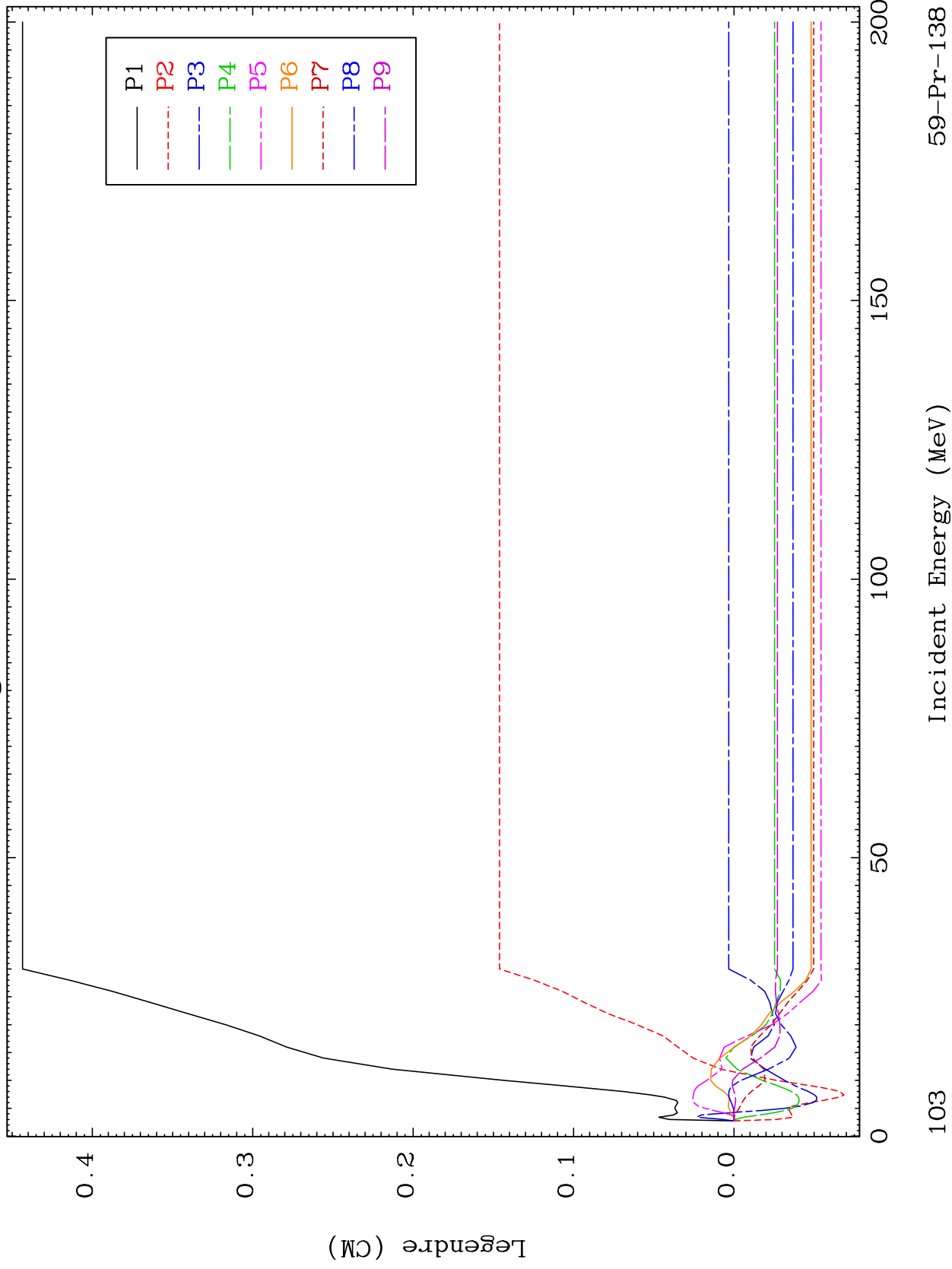




MAT 5916

2.699 MeV (n,n') Level
Legendre Coefficients

59-Pr-138



59-Pr-138

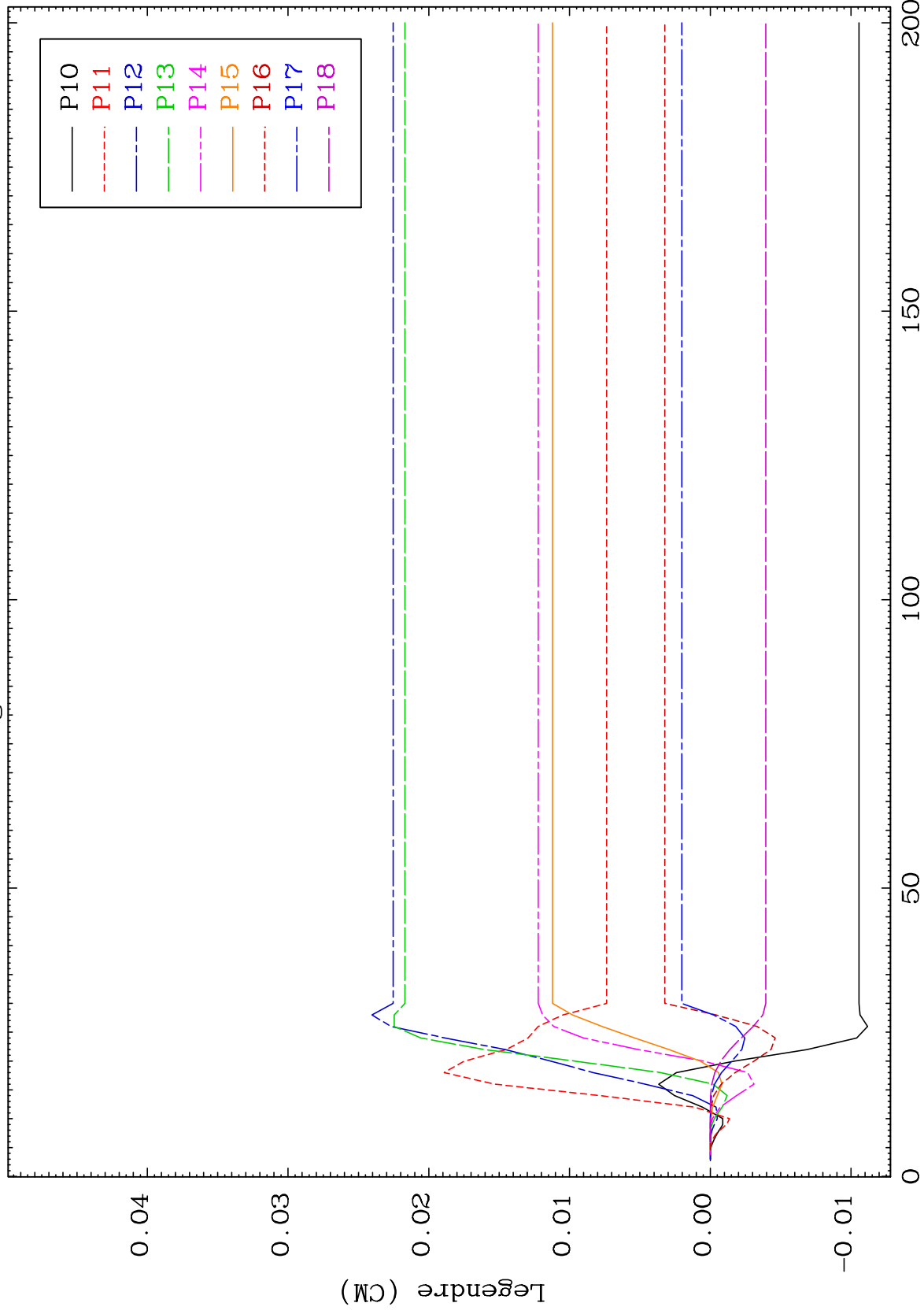
Incident Energy (MeV)

103

MAT 5916

2.699 MeV (n,n') Level
Legendre Coefficients

59-Pr-138



104

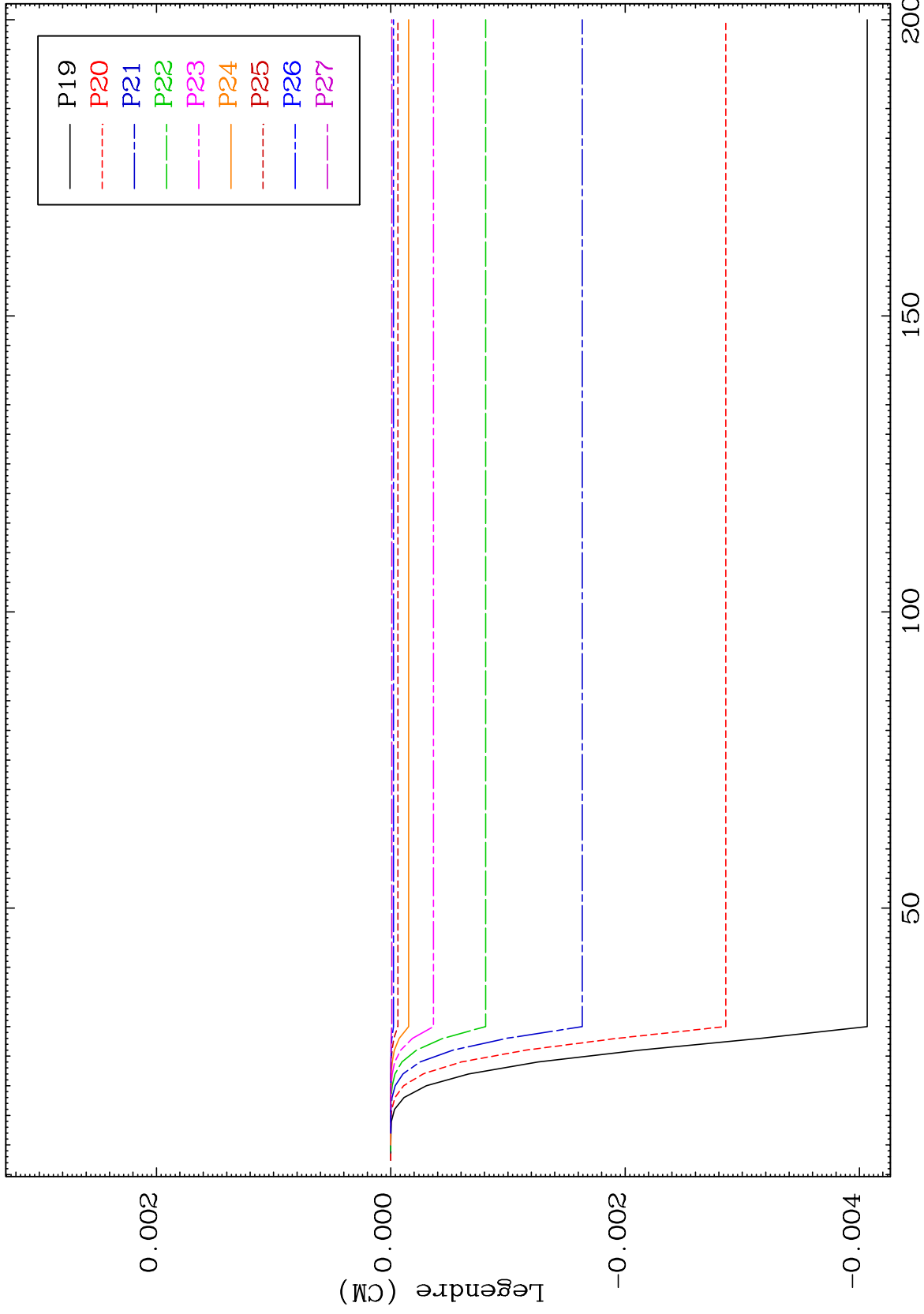
Incident Energy (MeV)

59-Pr-138

MAT 5916

2.699 MeV (n,n') Level
Legendre Coefficients

59-Pr-138



105

Incident Energy (MeV)

50

100

150

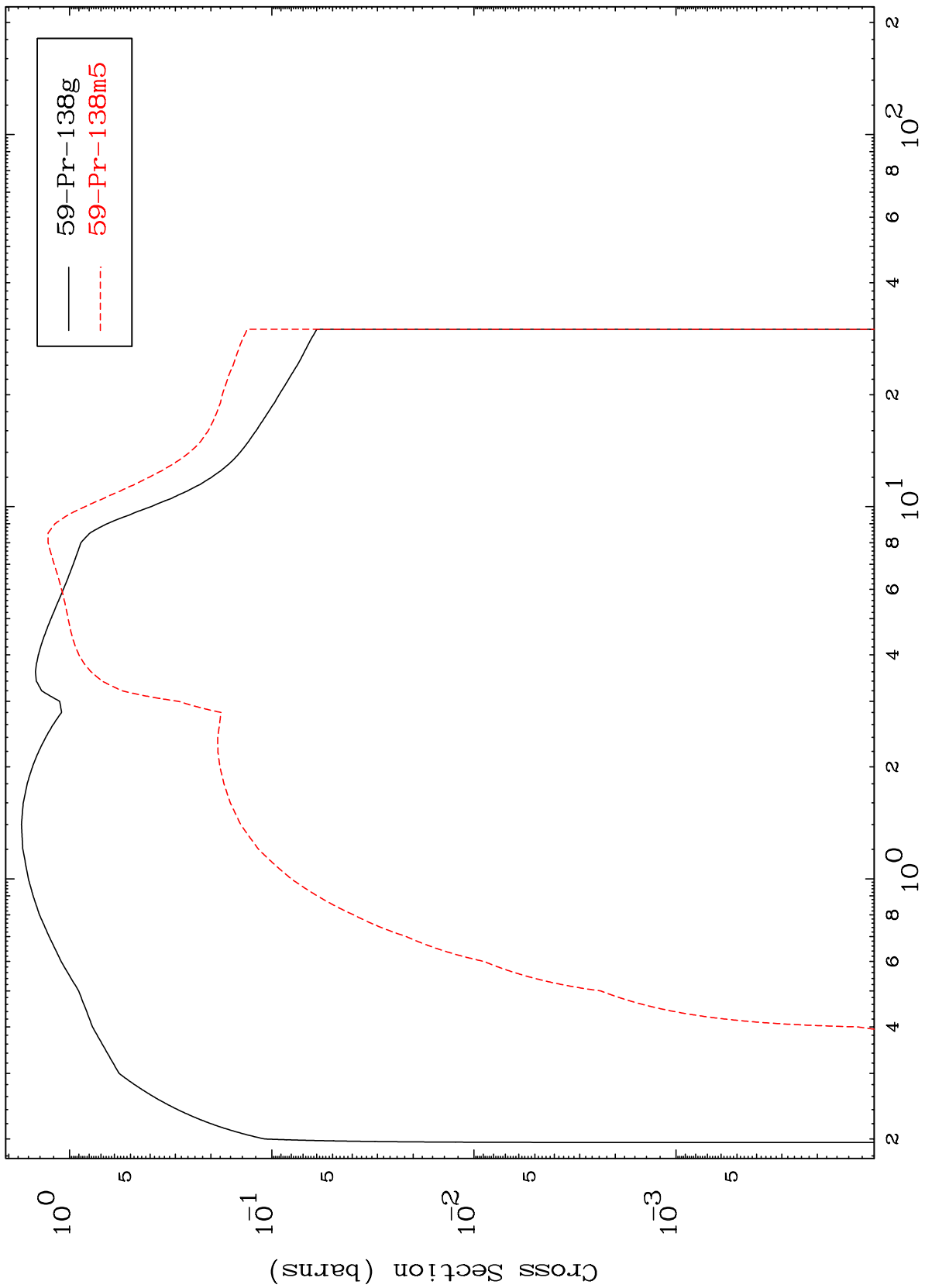
200

59-Pr-138

MAT 5916

59-Pr-138

Inelastic
Radionuclide Production Cross Section



107

Incident Energy (MeV)

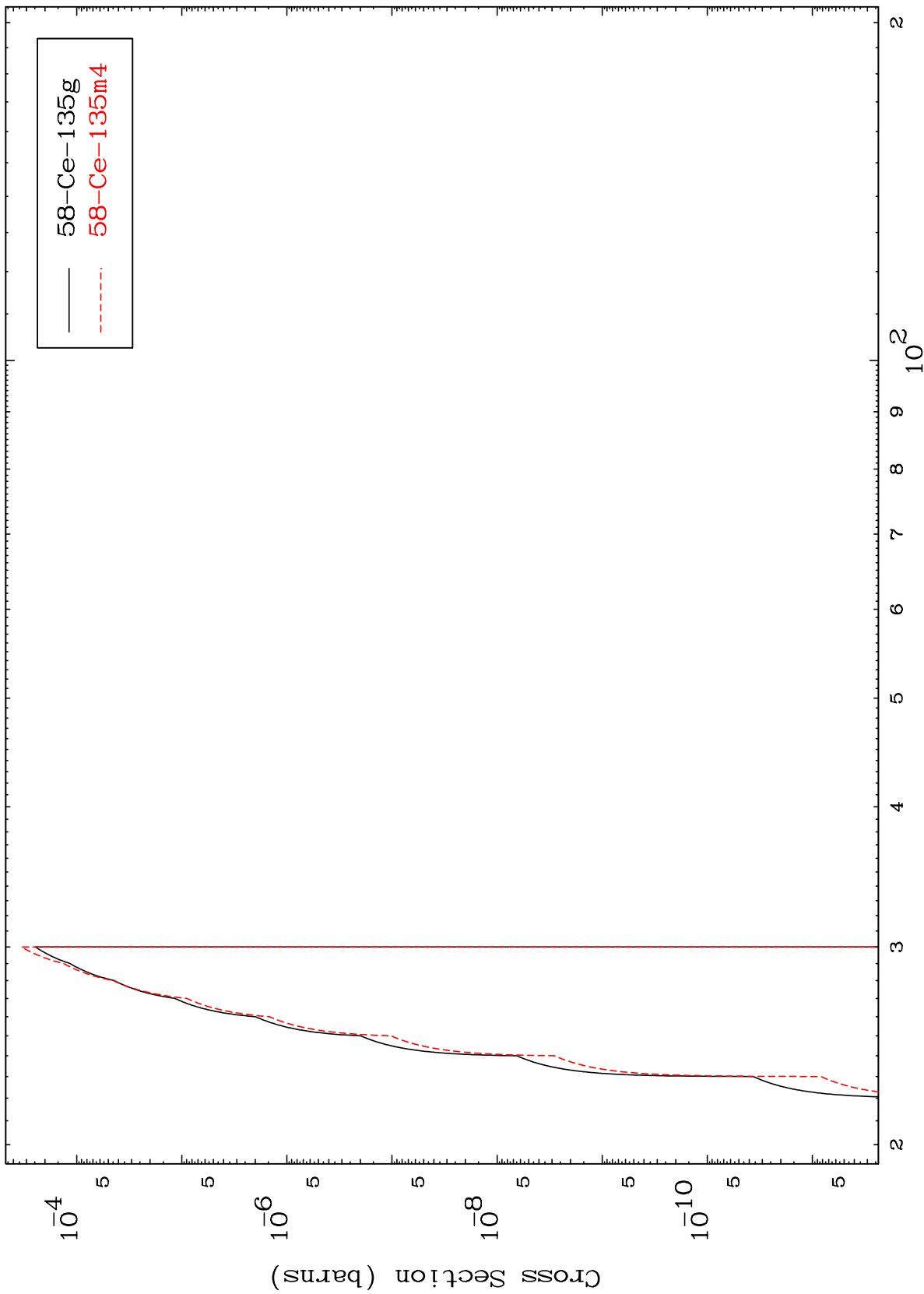
59-Pr-138

MAT 5916

(n,2n) d

59-Pr-138

Radionuclide Production Cross Section

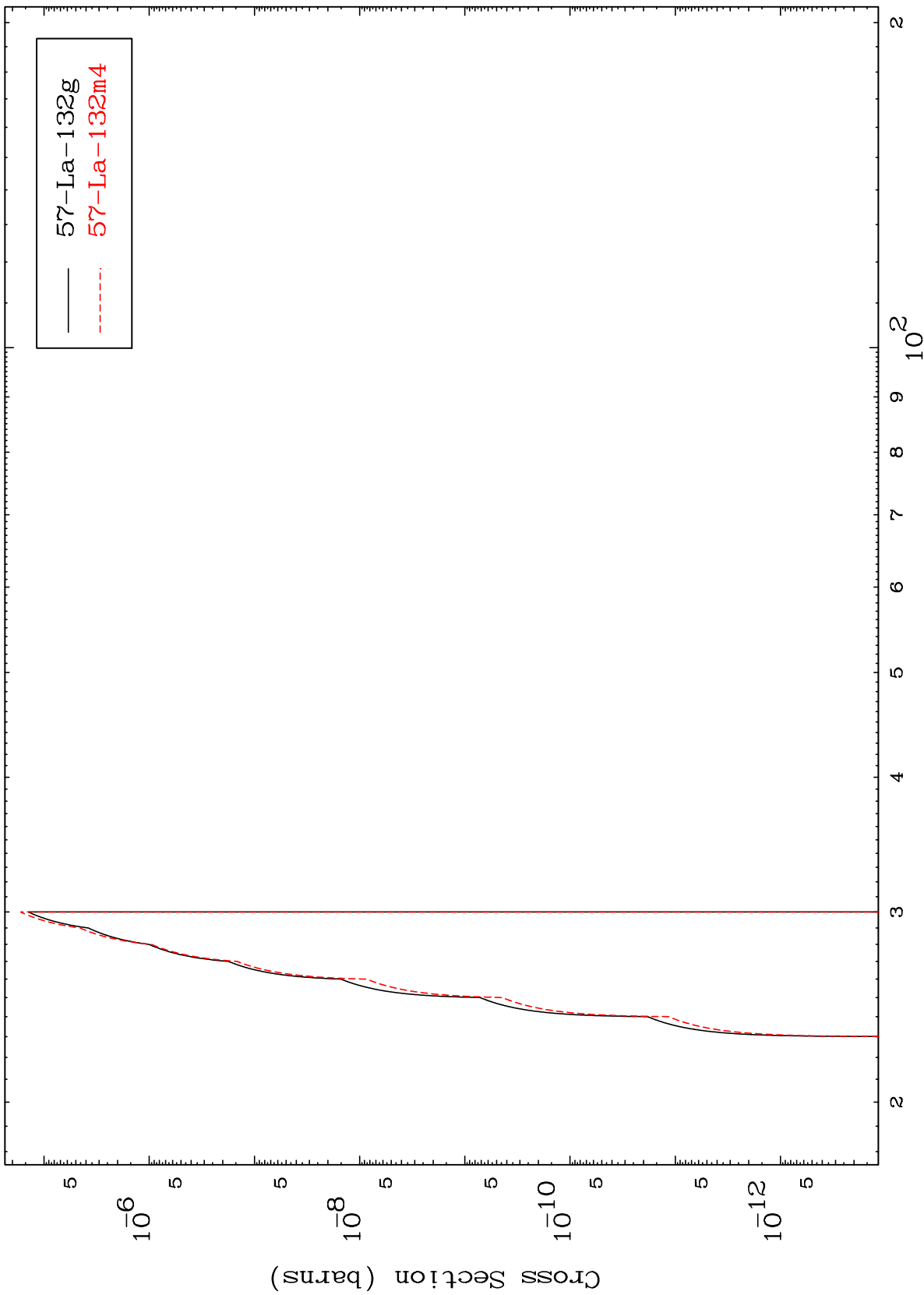


108

Incident Energy (MeV)

59-Pr-138

Radionuclide Production Cross Section

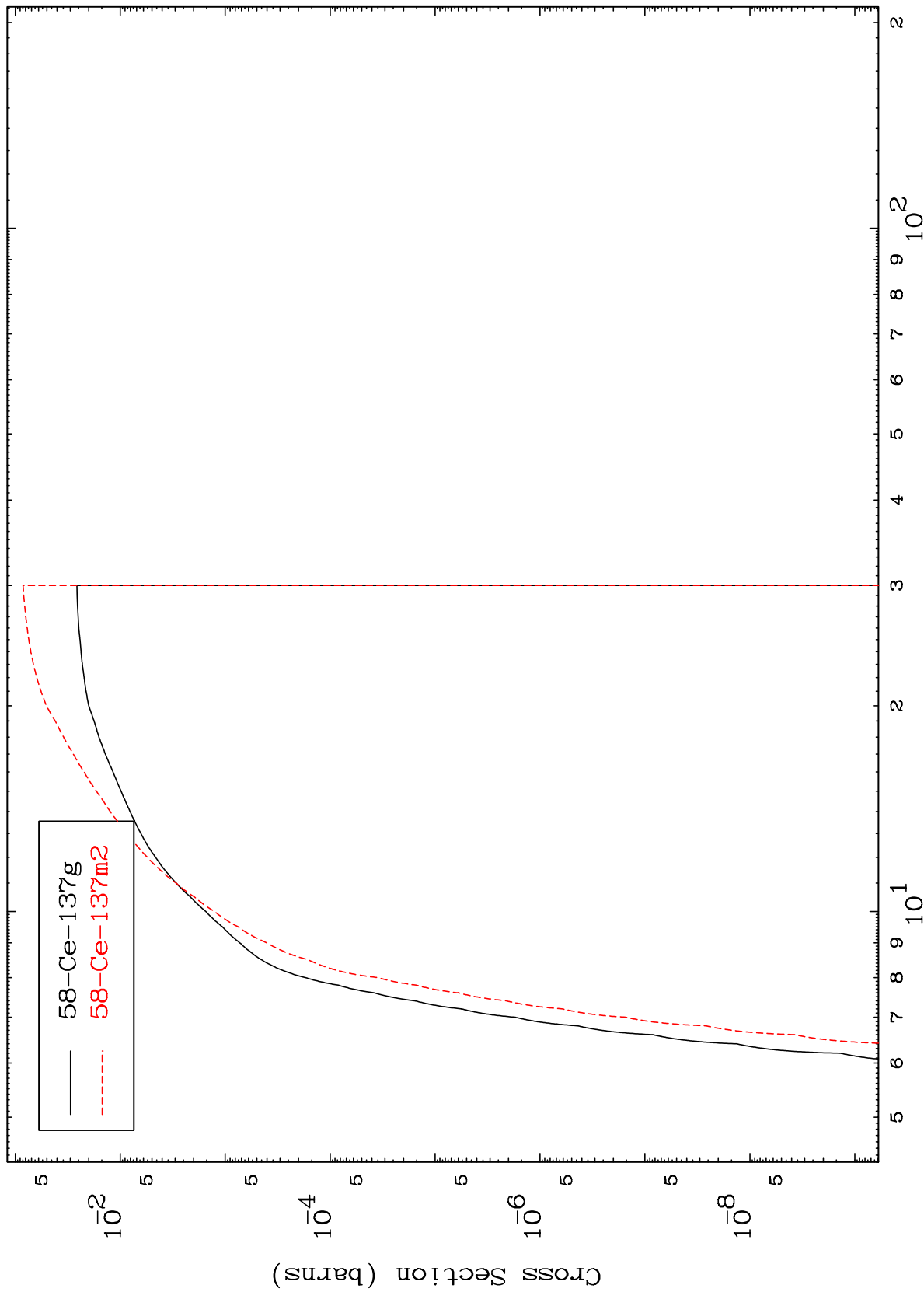


MAT 5916

(n,n') p

59-Pr-138

Radionuclide Production Cross Section

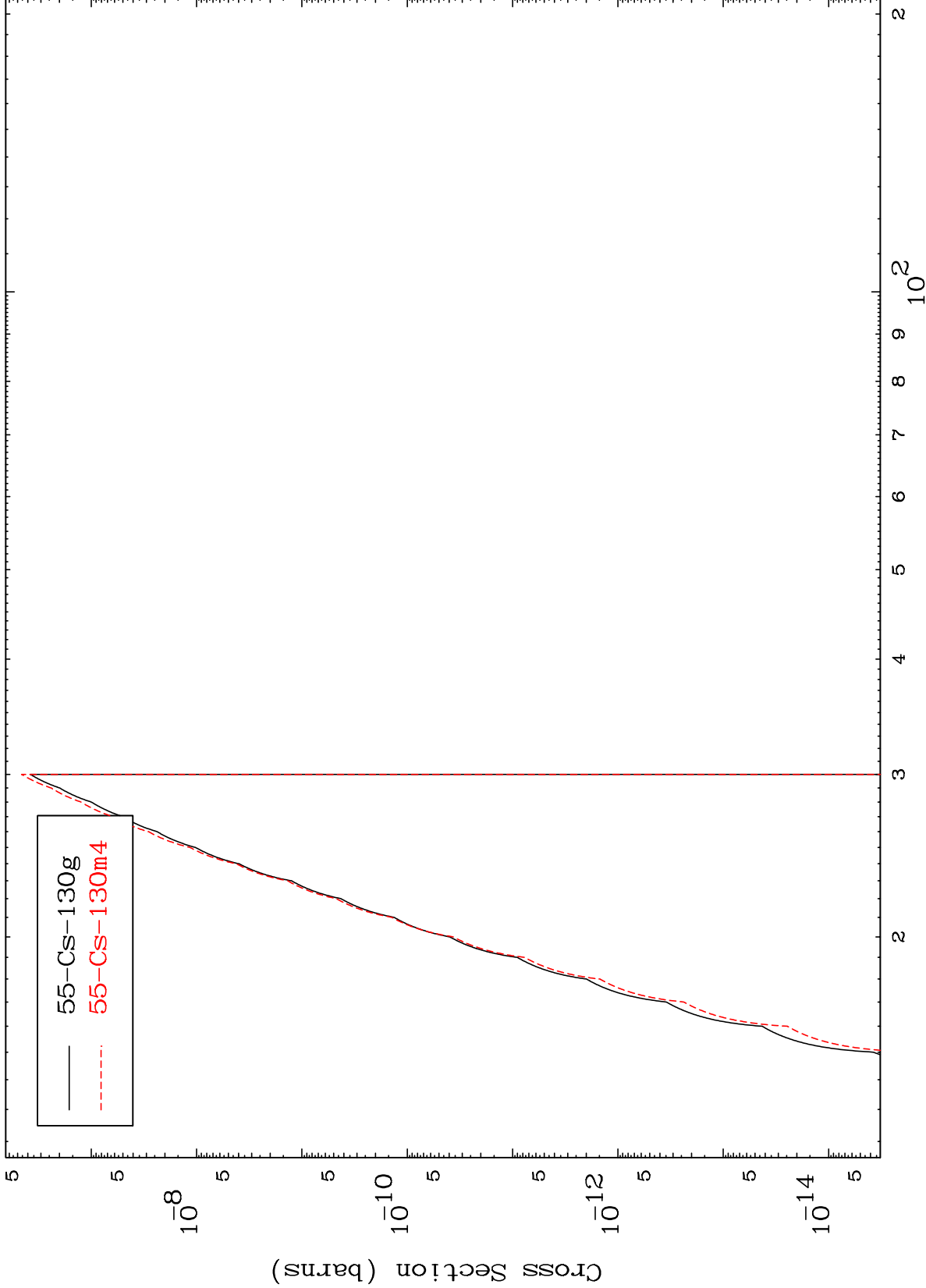


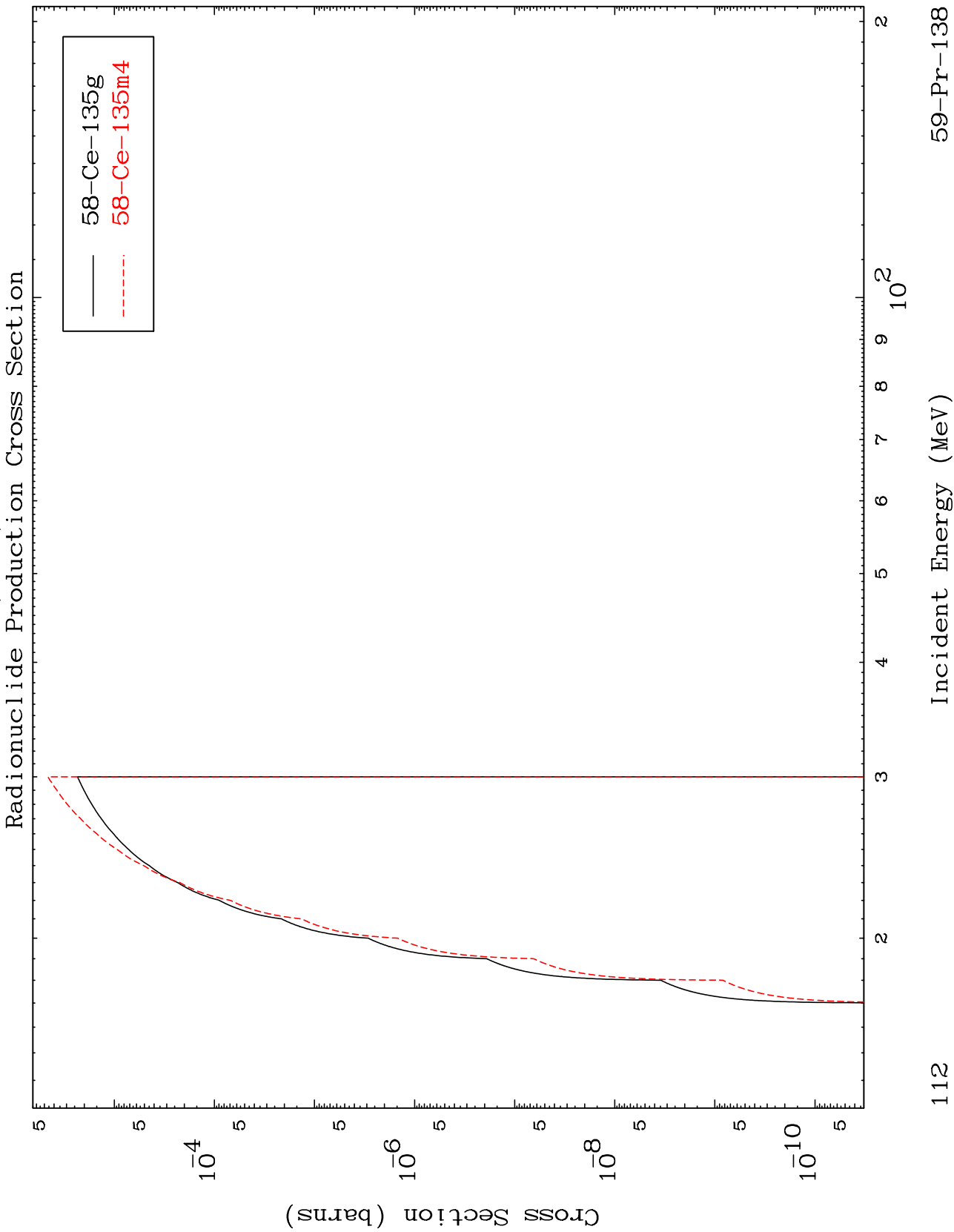
110

Incident Energy (MeV)

59-Pr-138

Radionuclide Production Cross Section



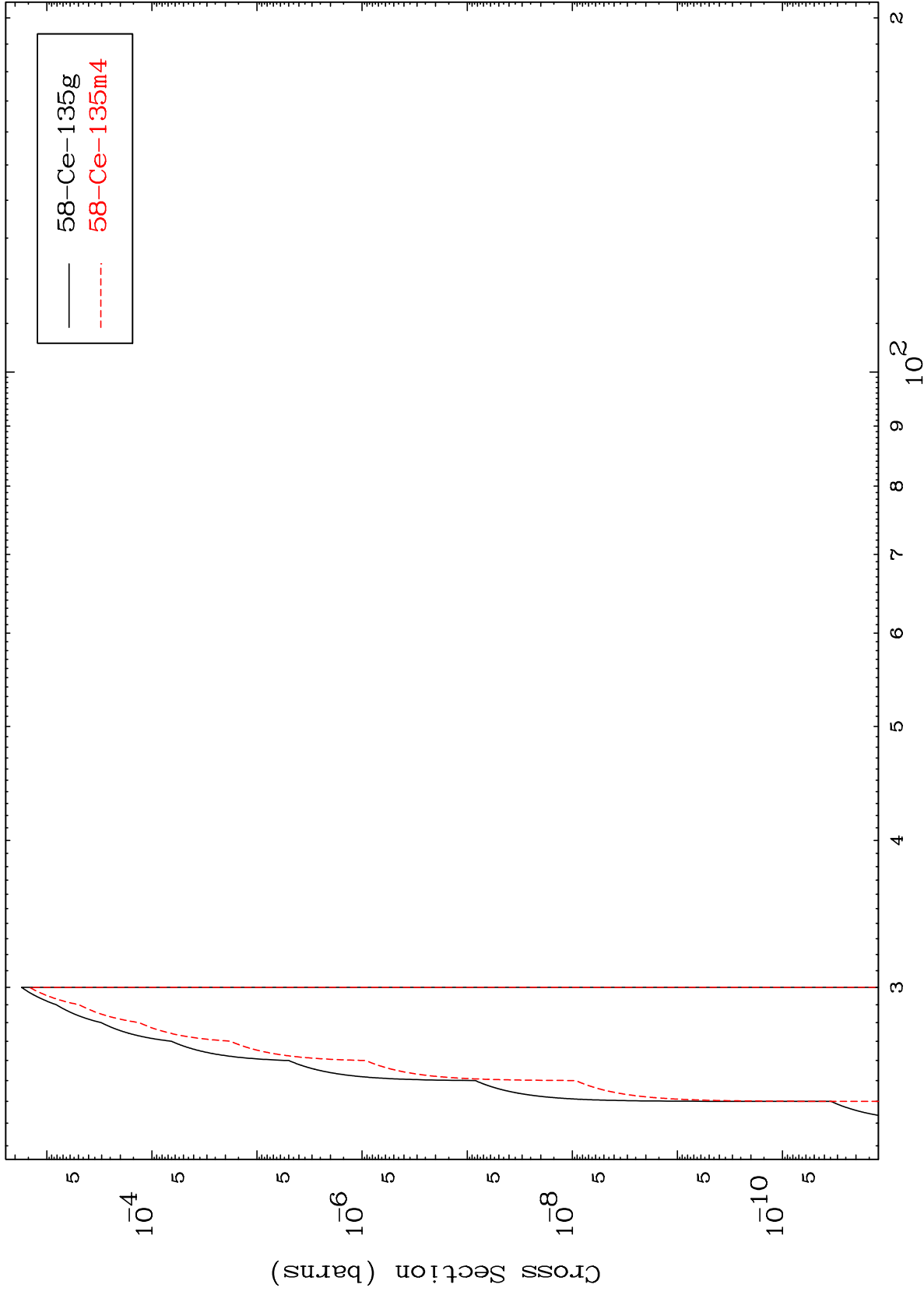


MAT 5916

(n,3n) p

59-Pr-138

Radionuclide Production Cross Section

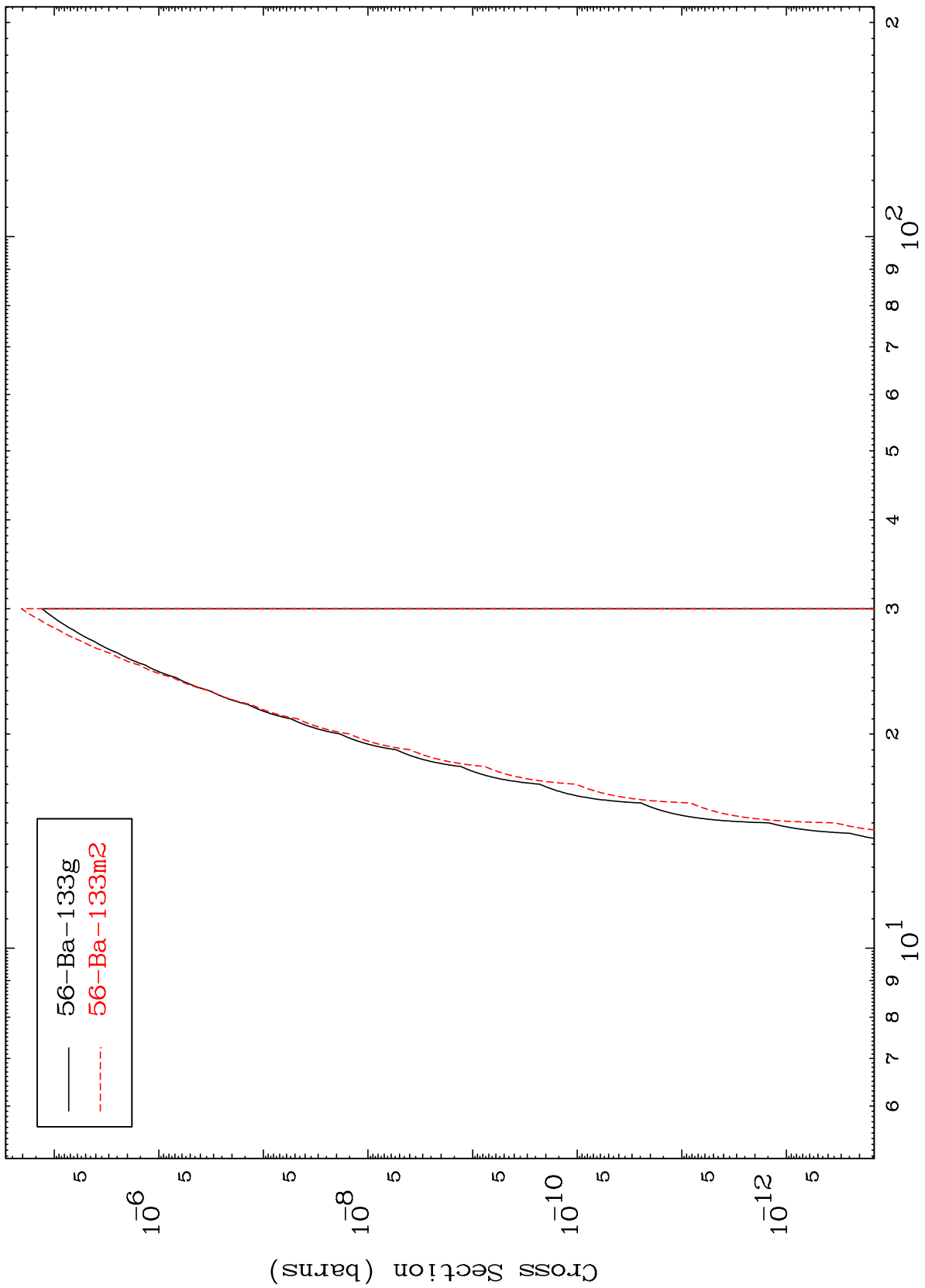


113

Incident Energy (MeV)

59-Pr-138

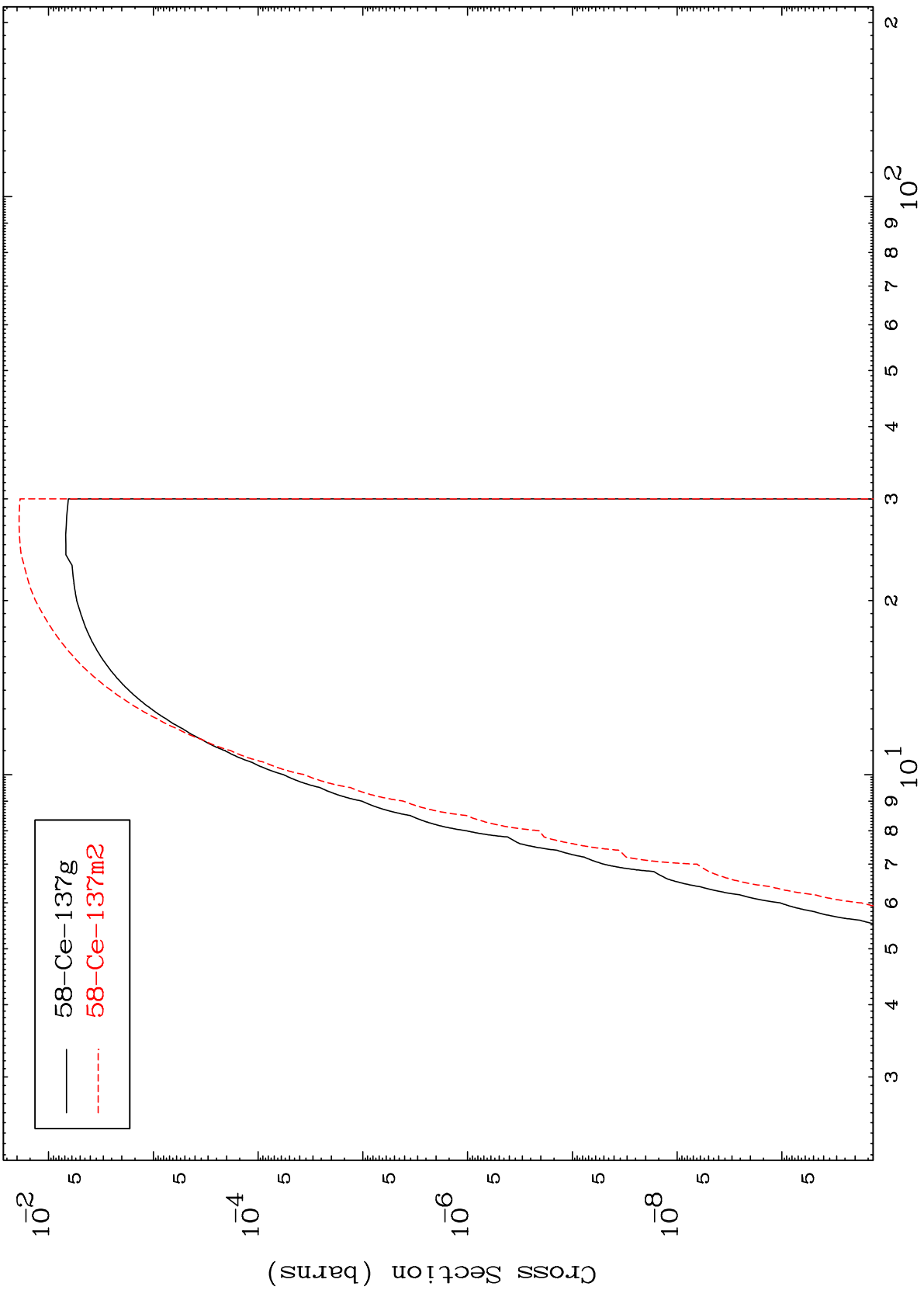
Radionuclide Production Cross Section



MAT 5916

59-Pr-138

(n,d)
Radionuclide Production Cross Section



115

Incident Energy (MeV)

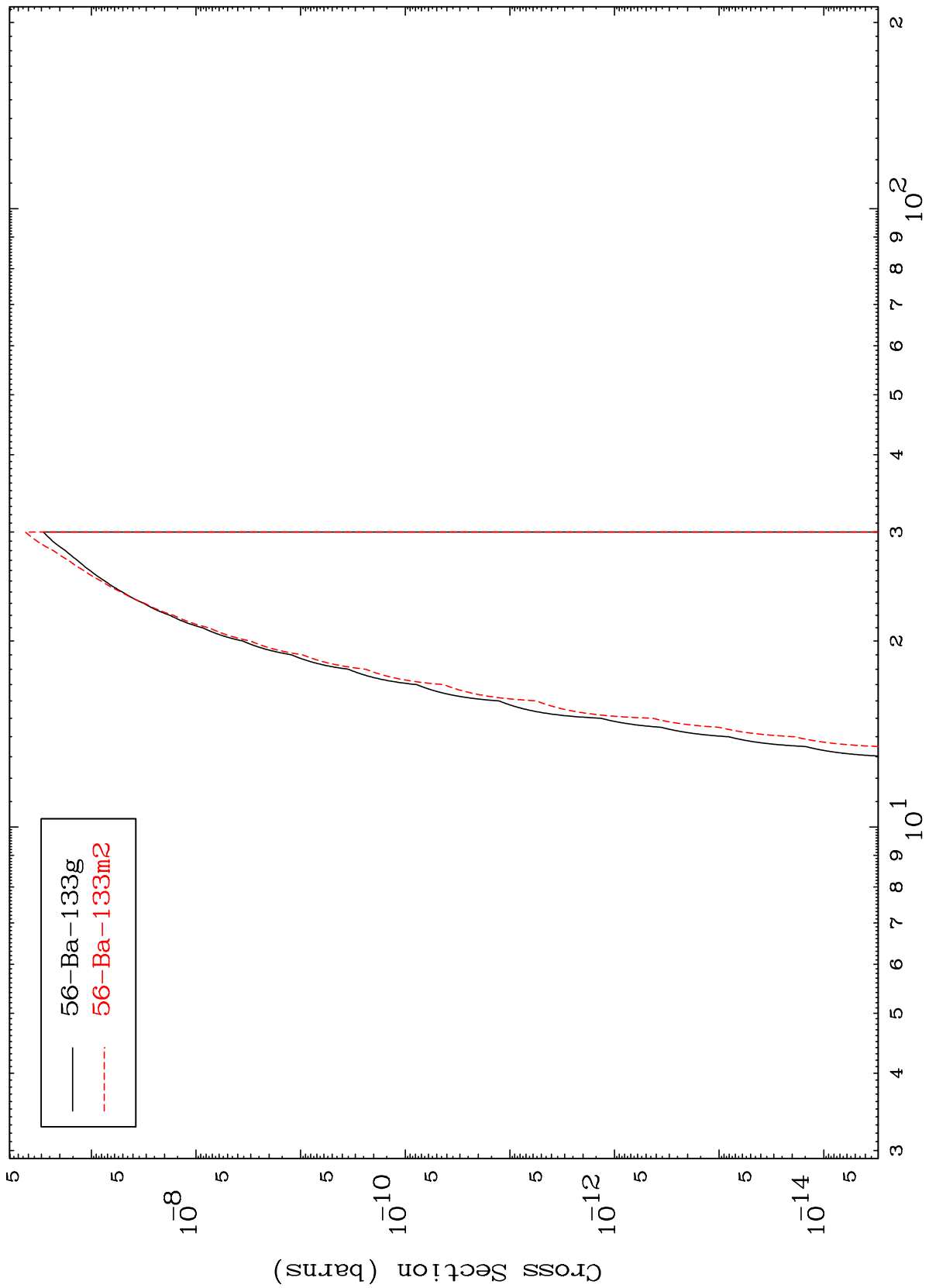
59-Pr-138

MAT 5916

(n,d) α

59-Pr-138

Radionuclide Production Cross Section



116

Incident Energy (MeV)

59-Pr-138