

Program EVALPLOT  
(Version 2021-1)

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

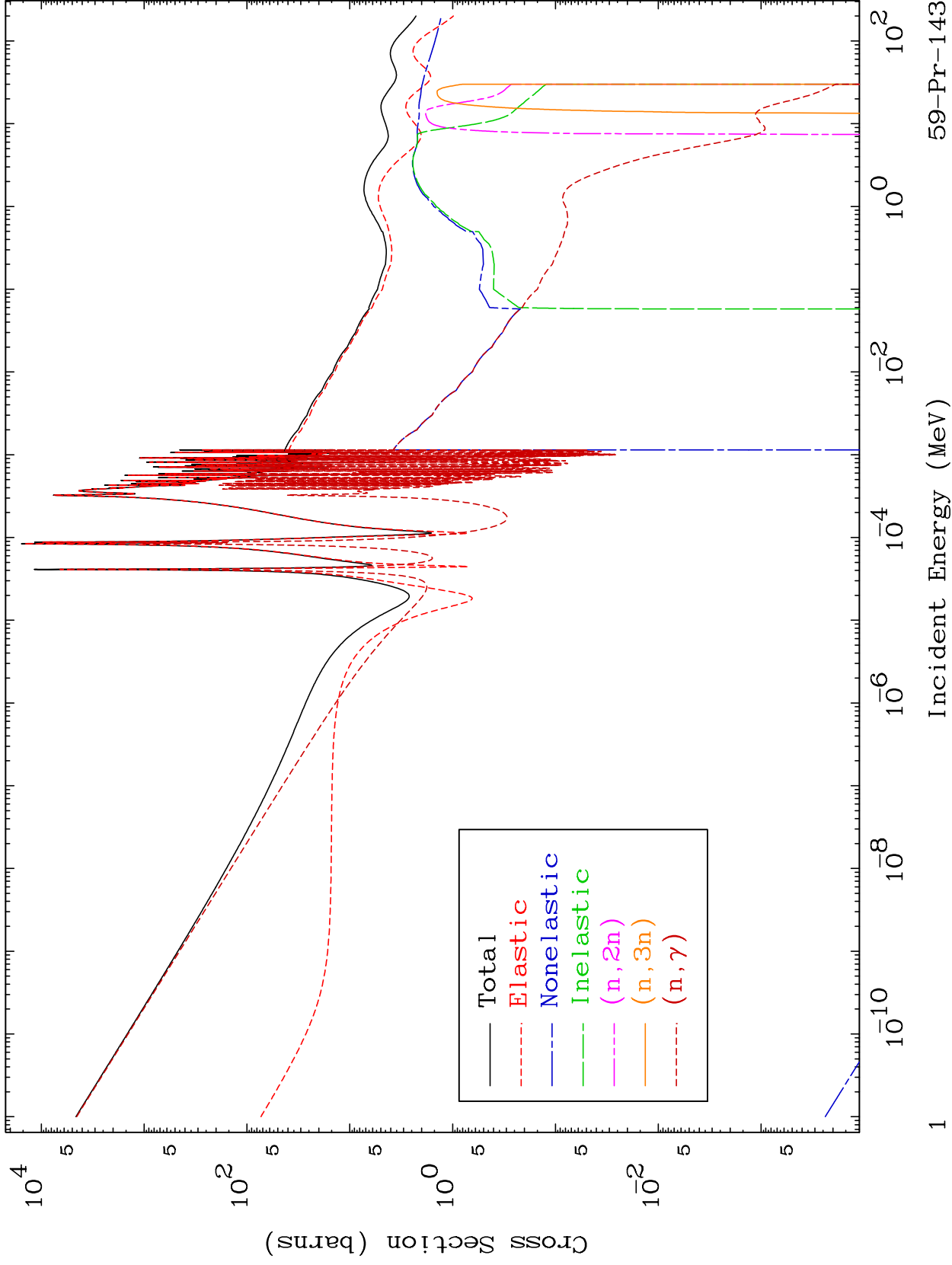
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5931

Neutron Major  
293 Kelvin Cross Sections

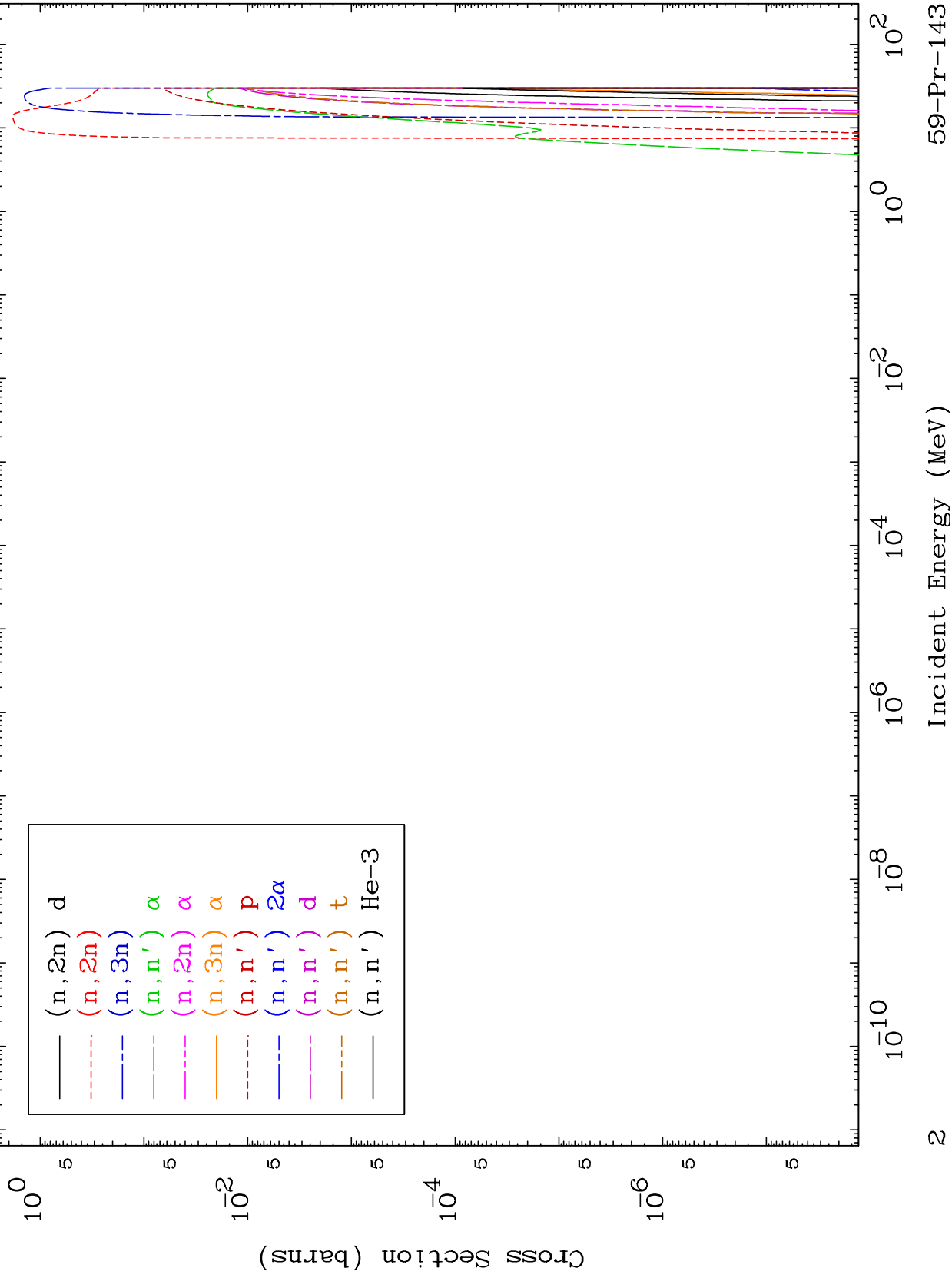
59-Pr-143



MAT 5931

Neutron Absorption  
293 Kelvin Cross Sections

59-Pr-143

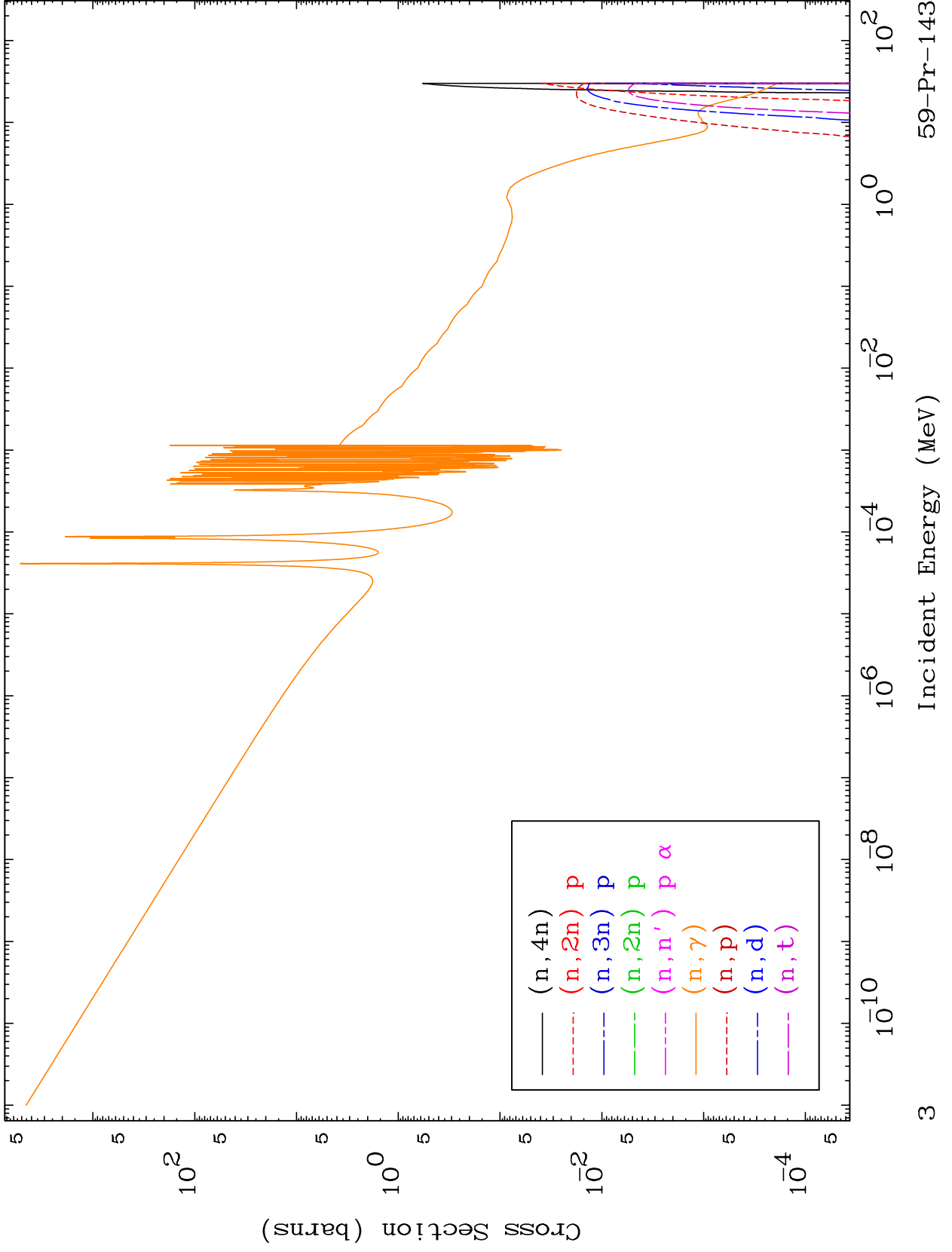


59-Pr-143

MAT 5931

Neutron Absorption  
293 Kelvin Cross Sections

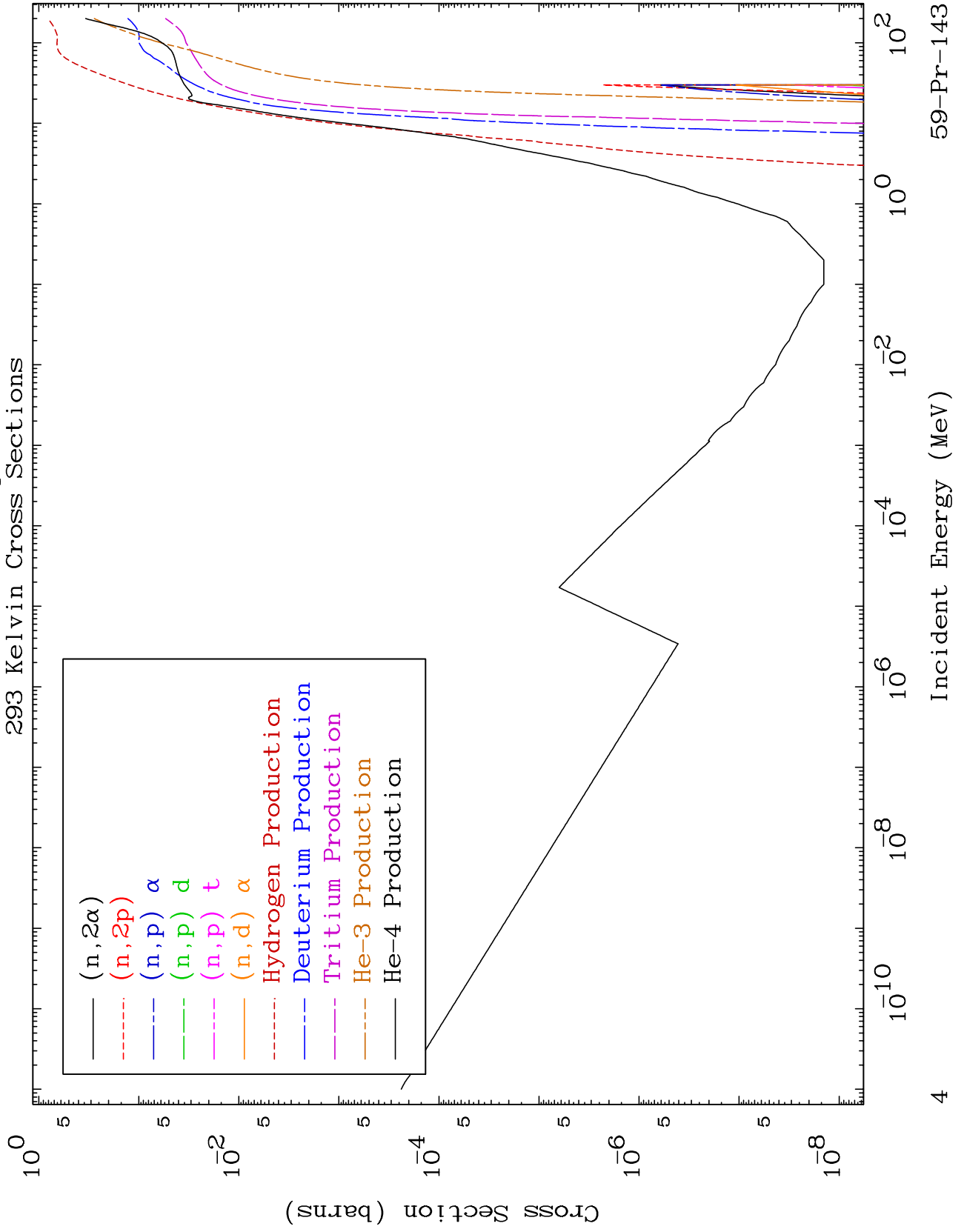
59-Pr-143



MAT 5931

Neutron Absorption  
293 Kelvin Cross Sections

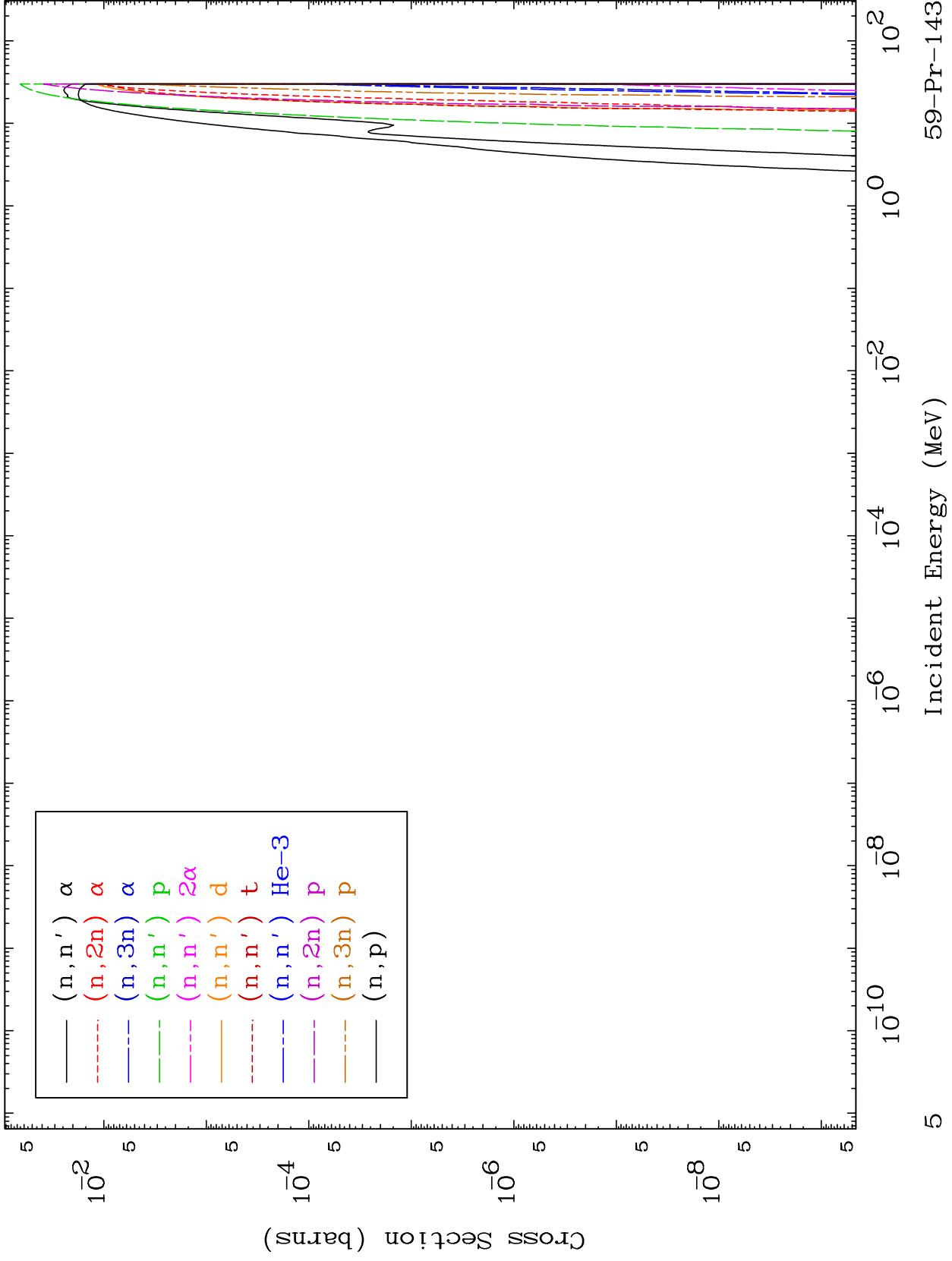
59-Pr-143



MAT 5931

Charged Particle  
293 Kelvin Cross Sections

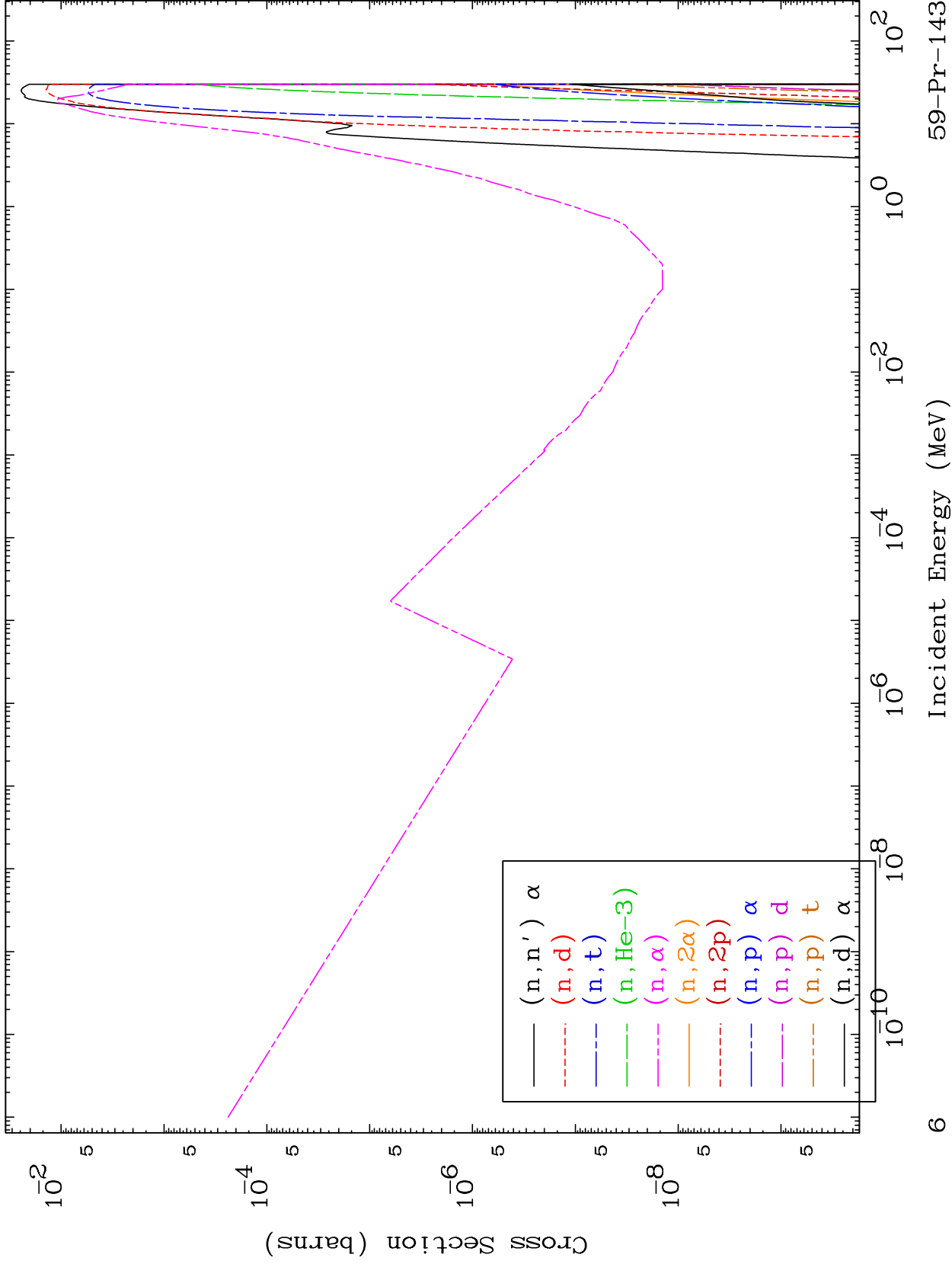
59-Pr-143

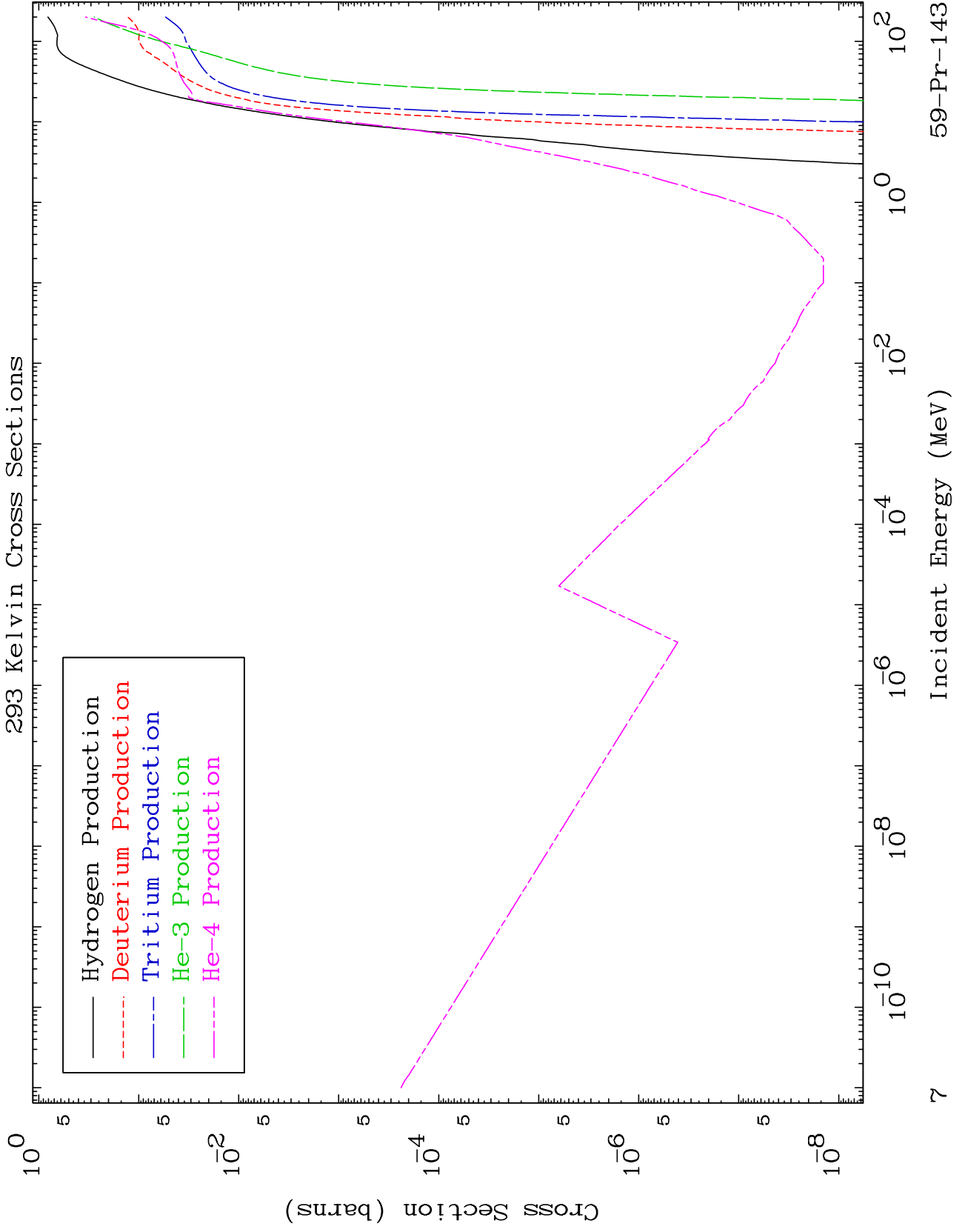


MAT 5931

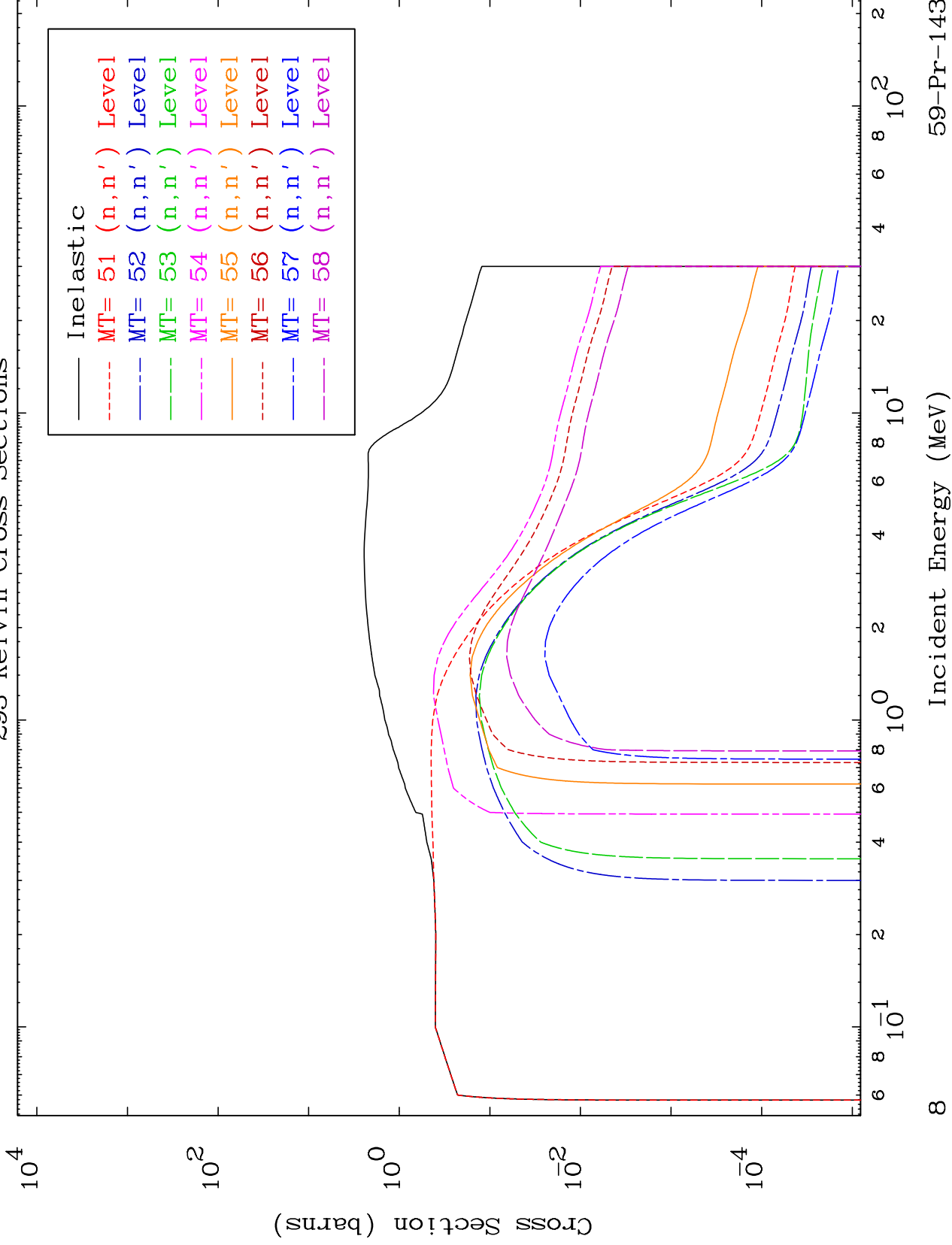
Charged Particle  
293 Kelvin Cross Sections

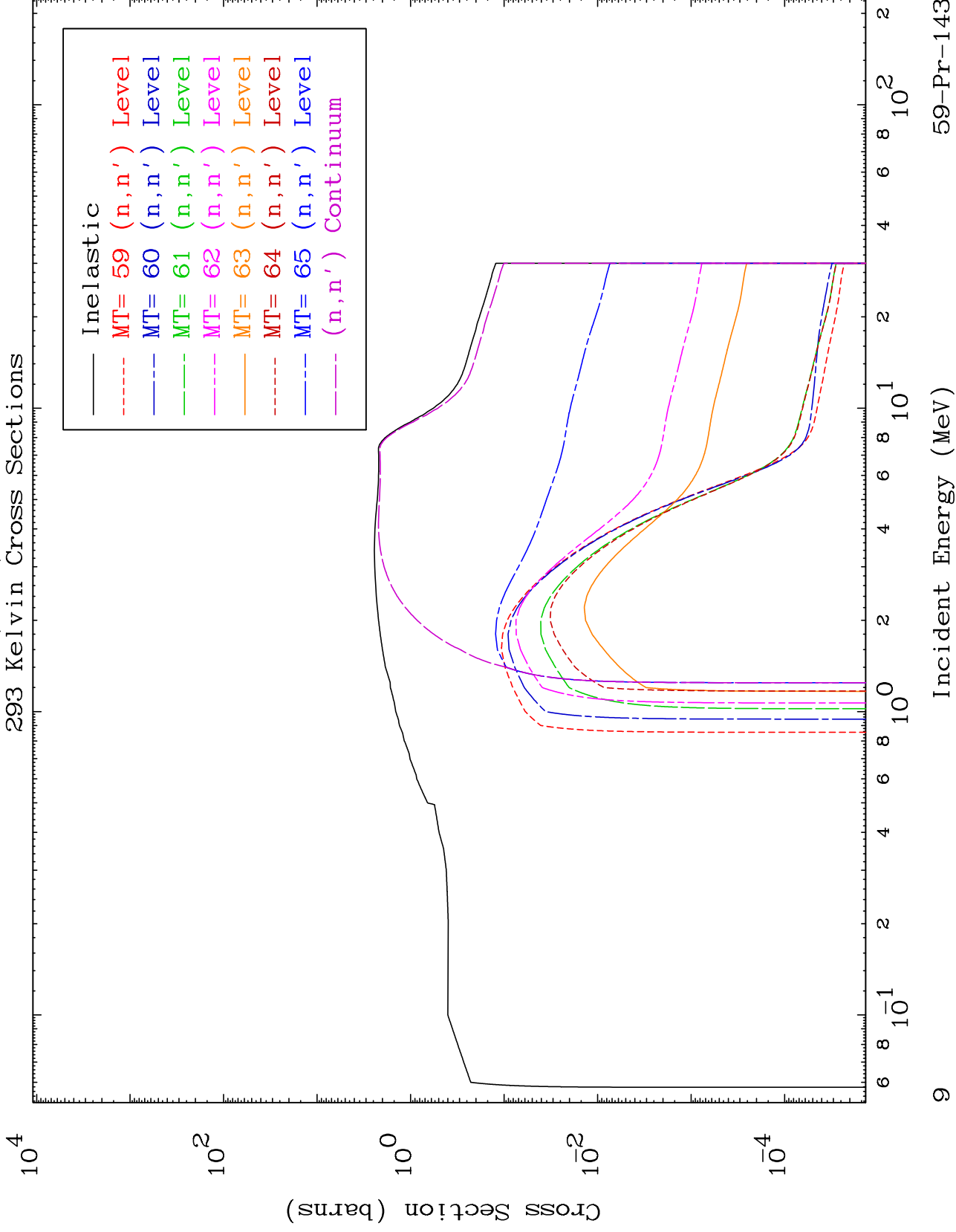
59-Pr-143







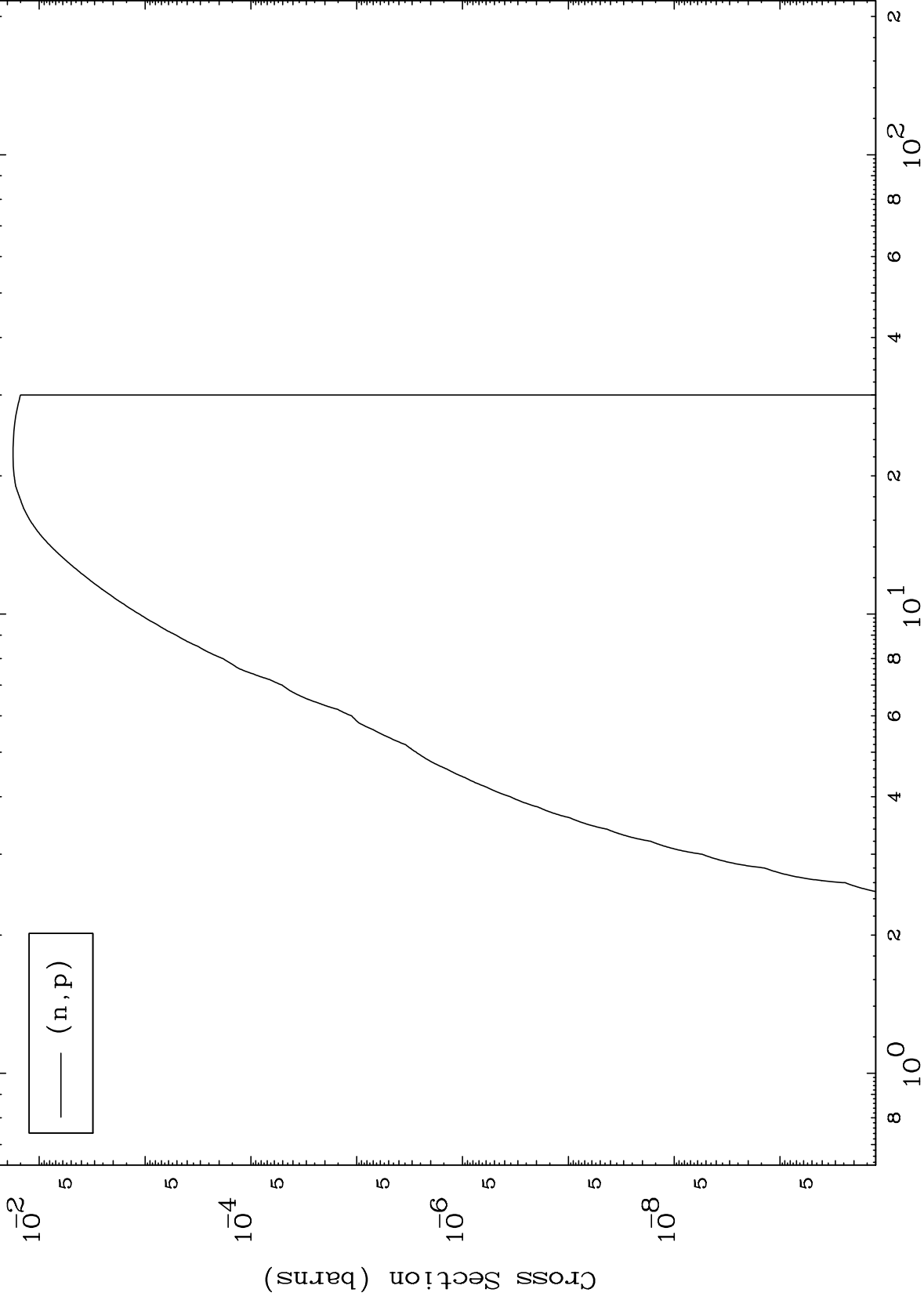




MAT 5931

(n,p) Levels  
293 Kelvin Cross Sections

59-Pr-143



10

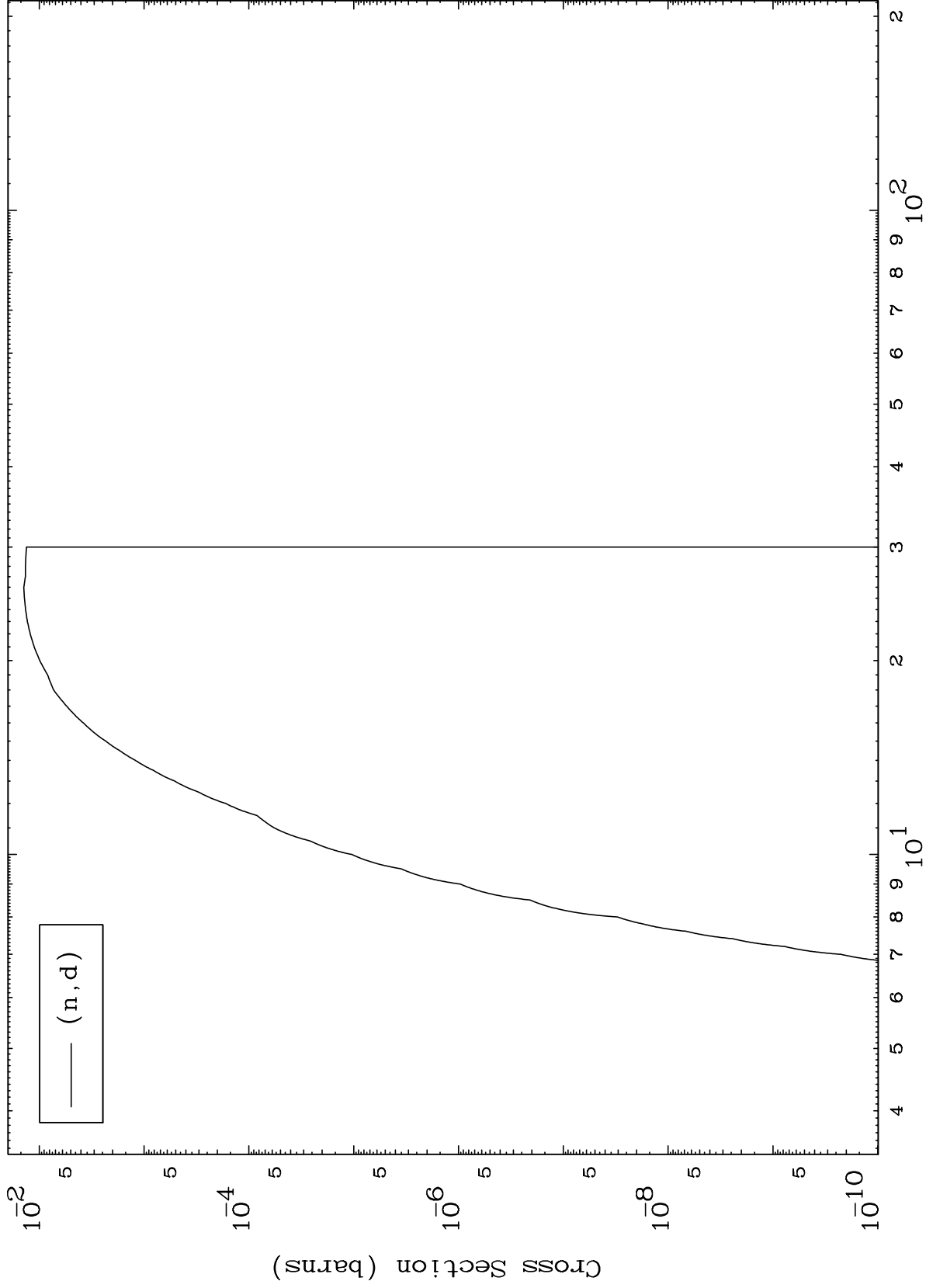
Incident Energy (MeV)

59-Pr-143

MAT 5931

(n,d) Levels  
293 Kelvin Cross Sections

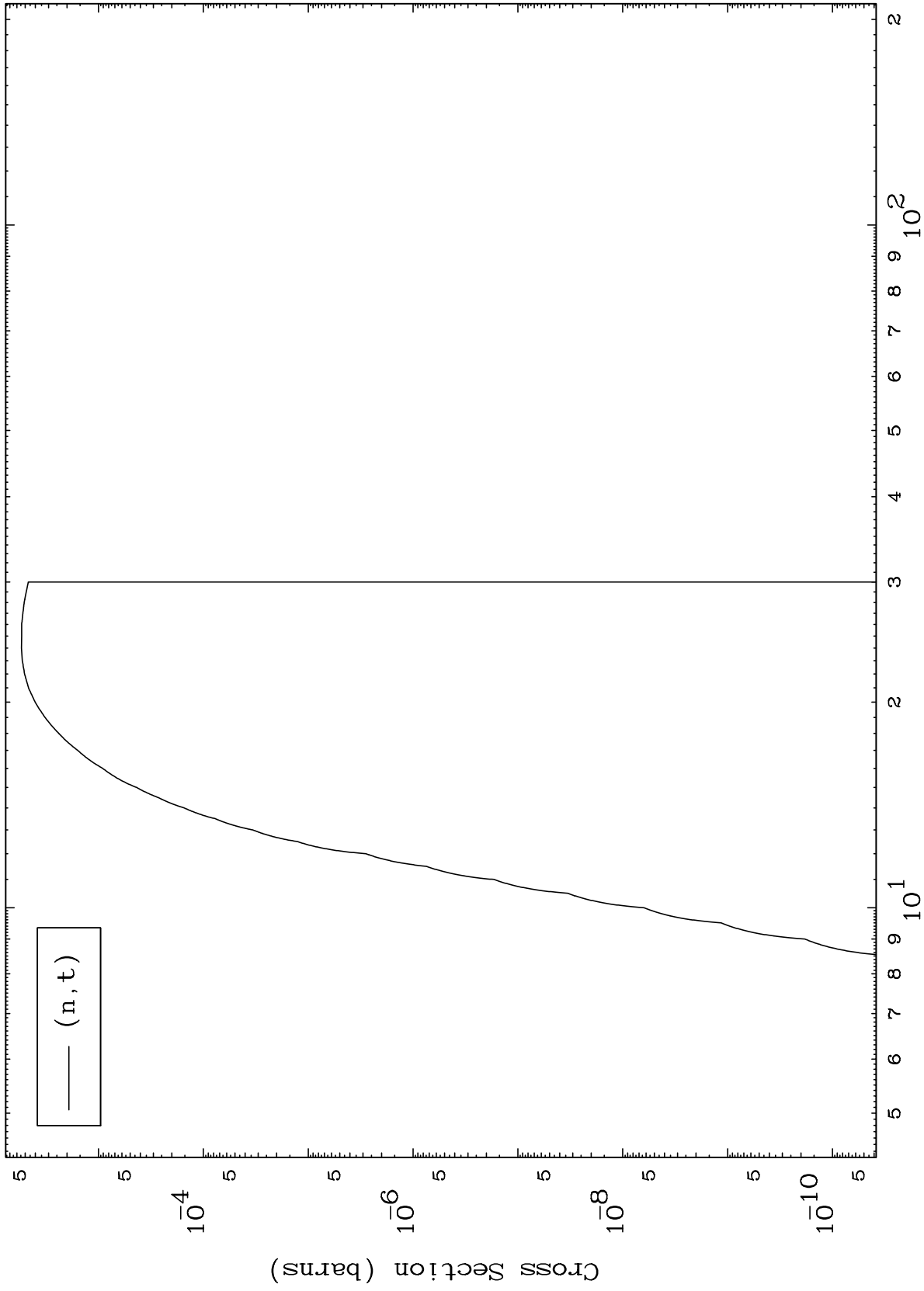
59-Pr-143



11

Incident Energy (MeV)

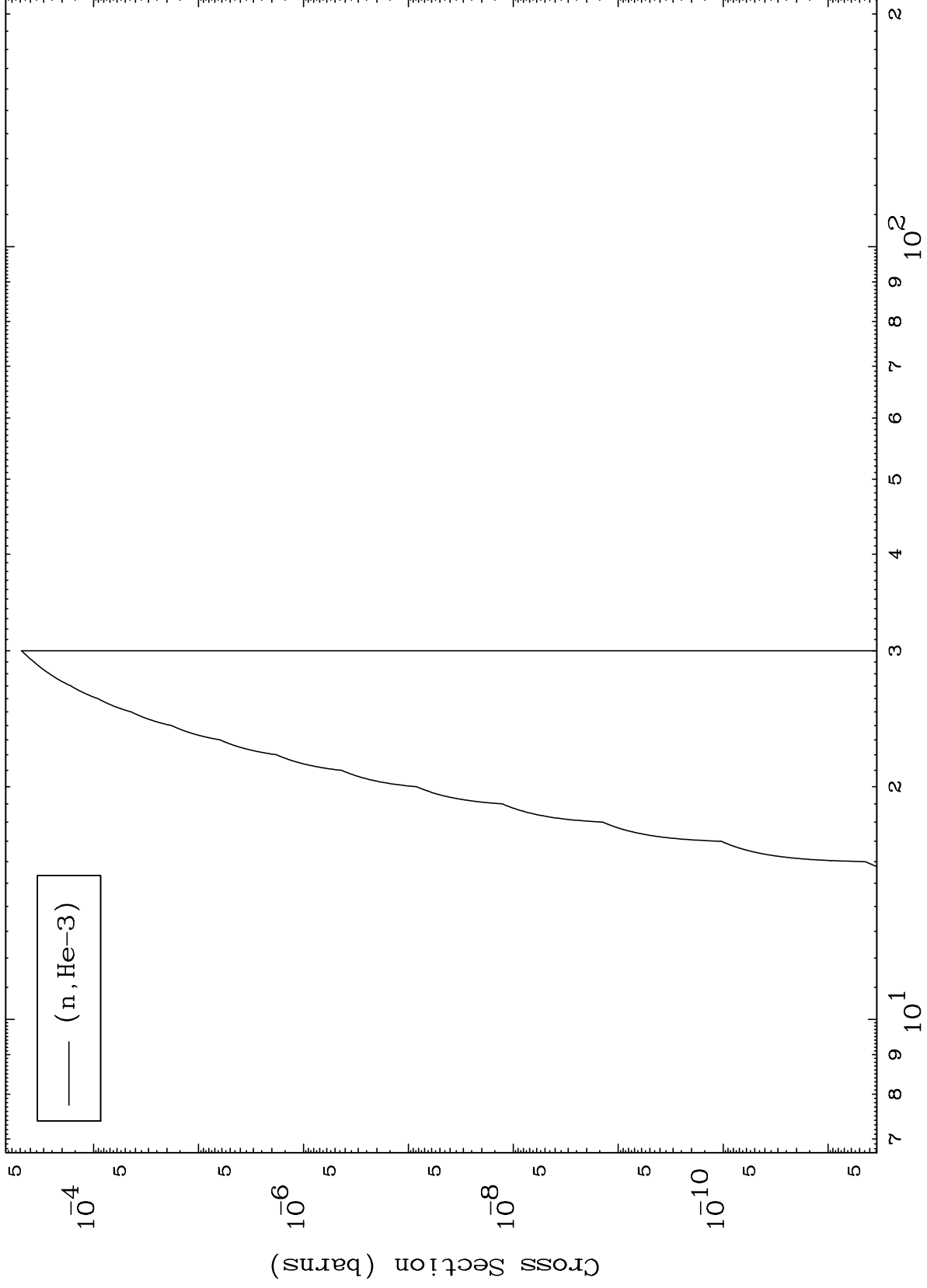
59-Pr-143



MAT 5931

(n,He3) Levels  
293 Kelvin Cross Sections

59-Pr-143



13

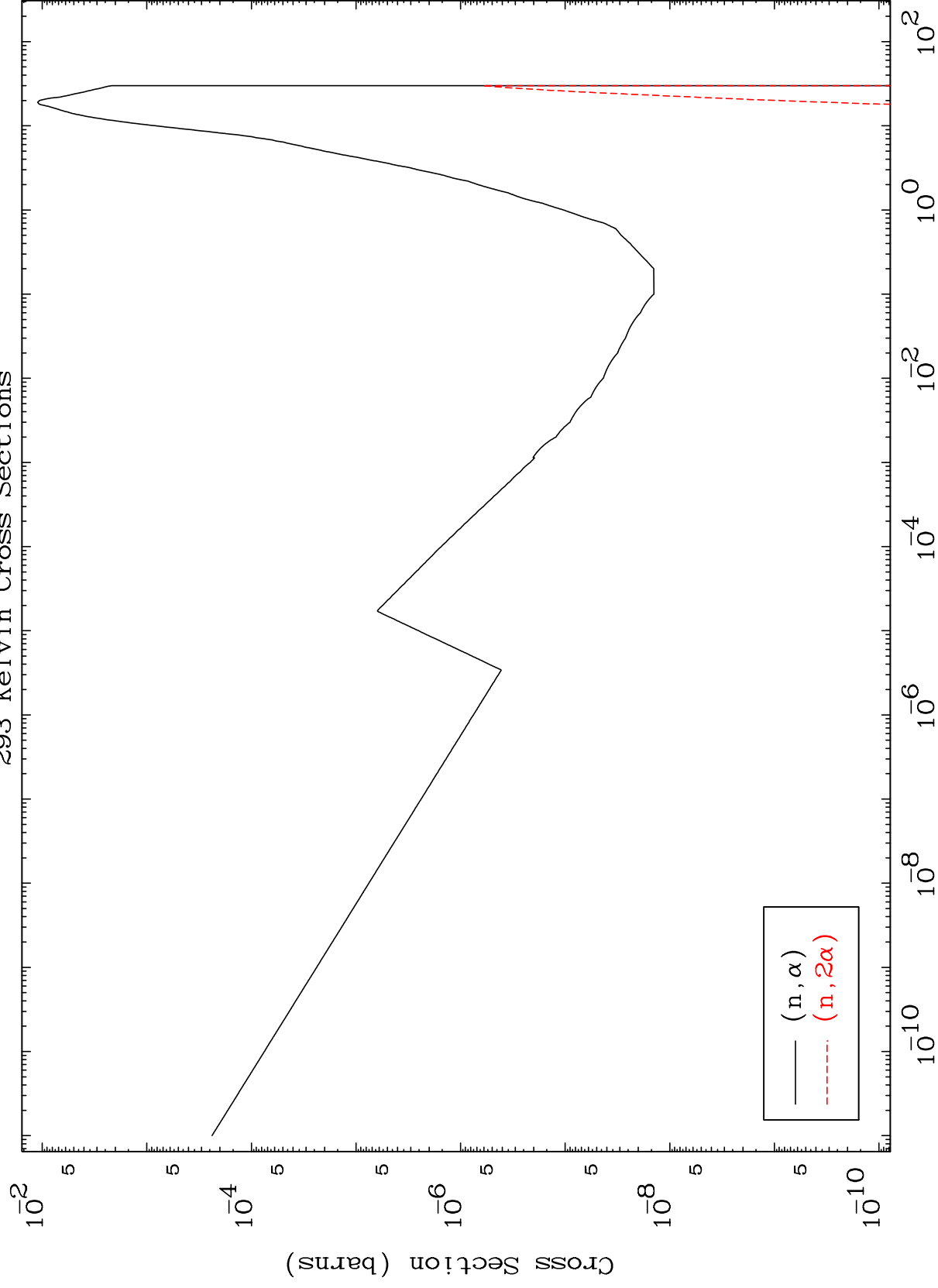
Incident Energy (MeV)

59-Pr-143

MAT 5931

(n,α) Levels  
293 Kelvin Cross Sections

59-Pr-143



Incident Energy (MeV)

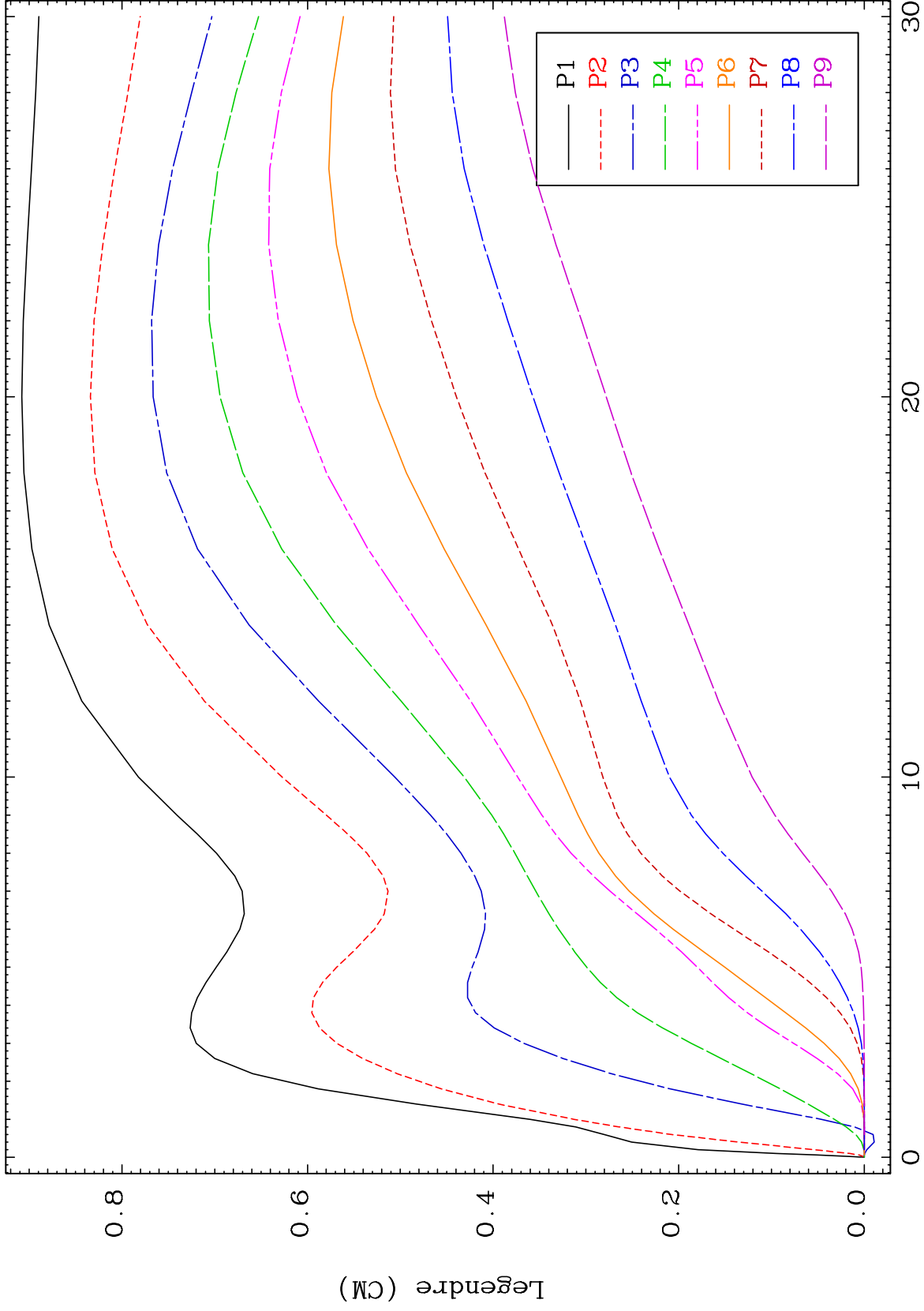
59-Pr-143

14

MAT 5931

Elastic Legendre Coefficients

59-Pr-143



0

Incident Energy (MeV)

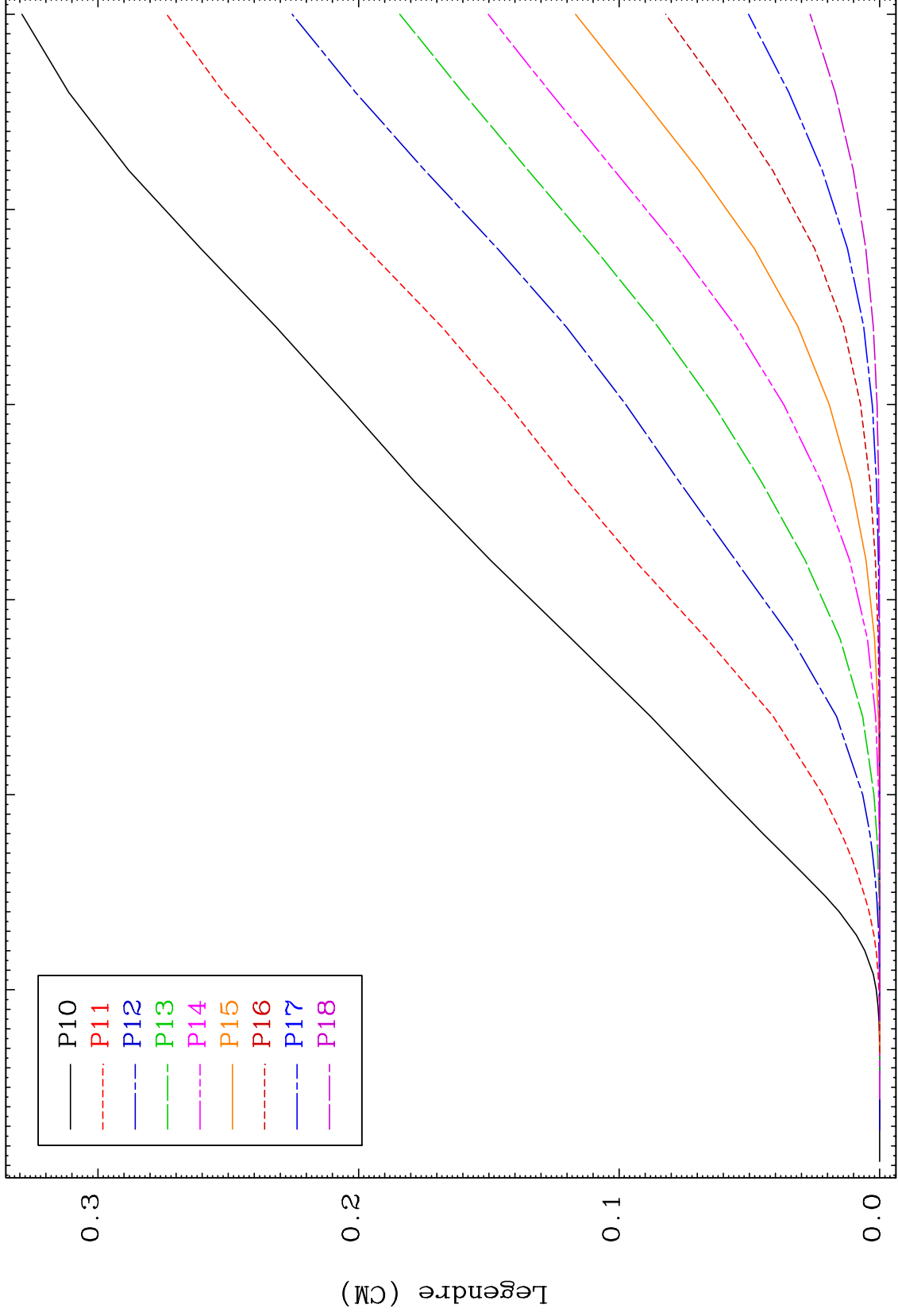
59-Pr-143



MAT 5931

Elastic Legendre Coefficients

59-Pr-143



16

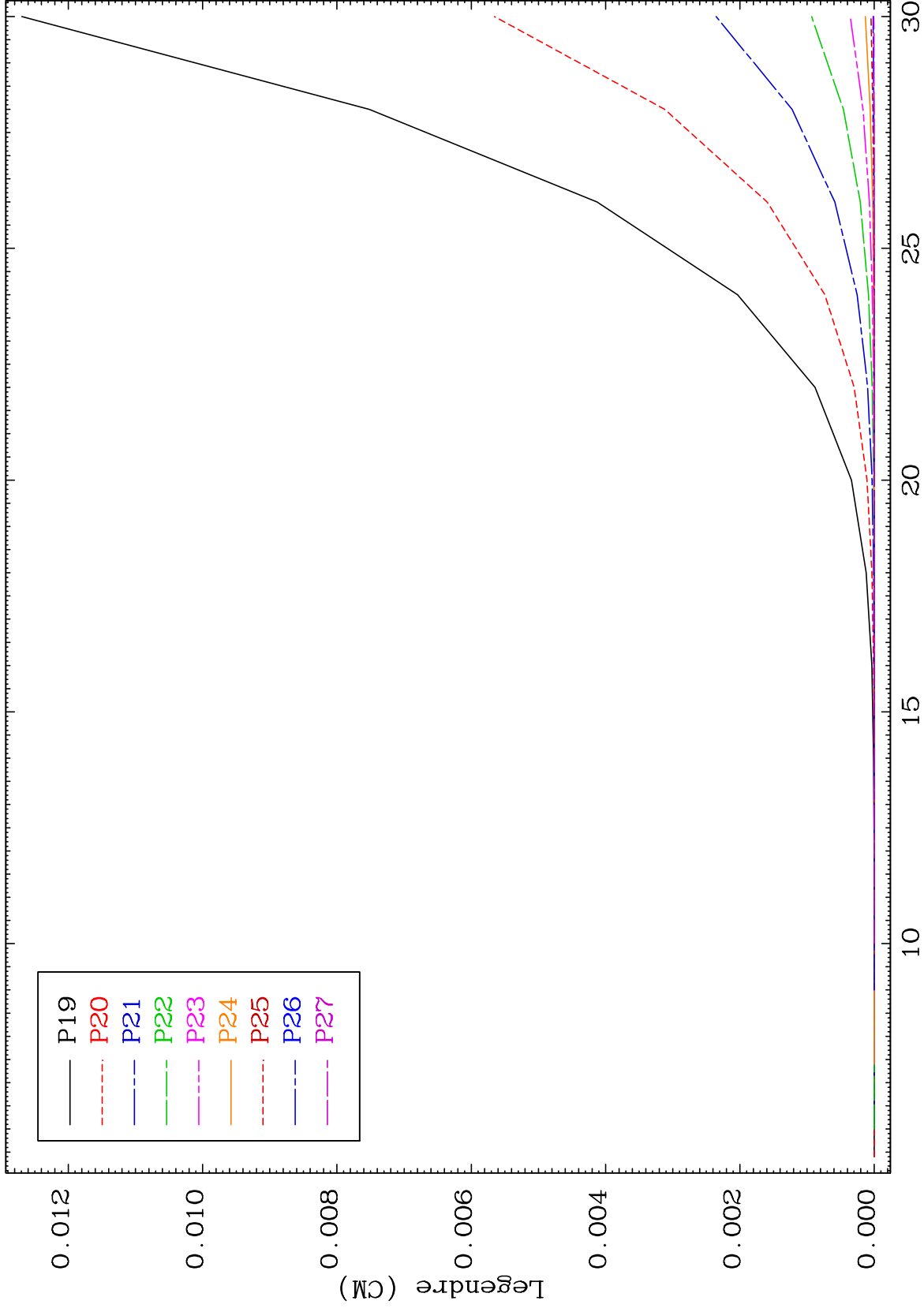
Incident Energy (MeV)

59-Pr-143

MAT 5931

### Elastic Legendre Coefficients

59-Pr-143



17

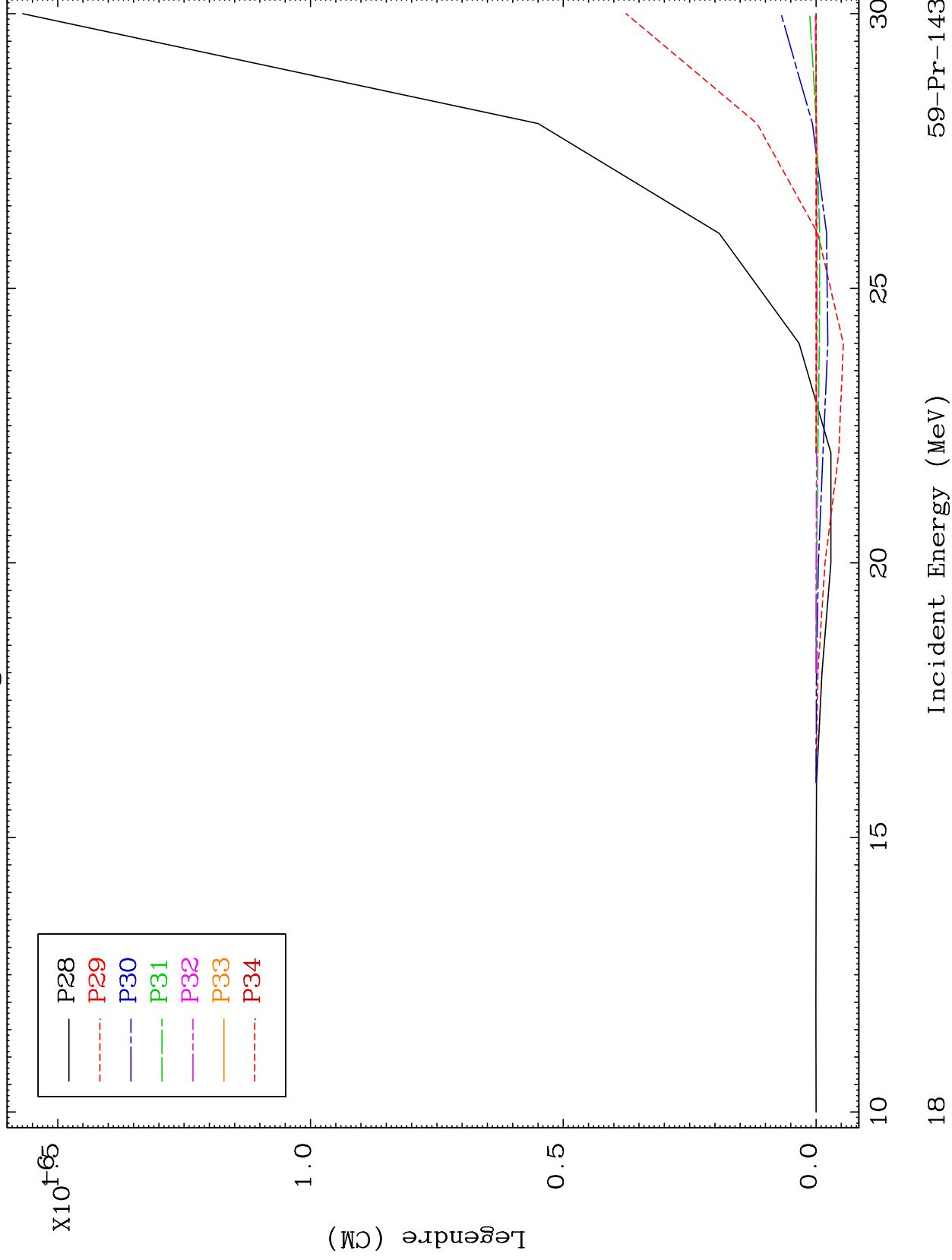
Incident Energy (MeV)

59-Pr-143

MAT 5931

Elastic  
Legendre Coefficients

59-Pr-143



59-Pr-143

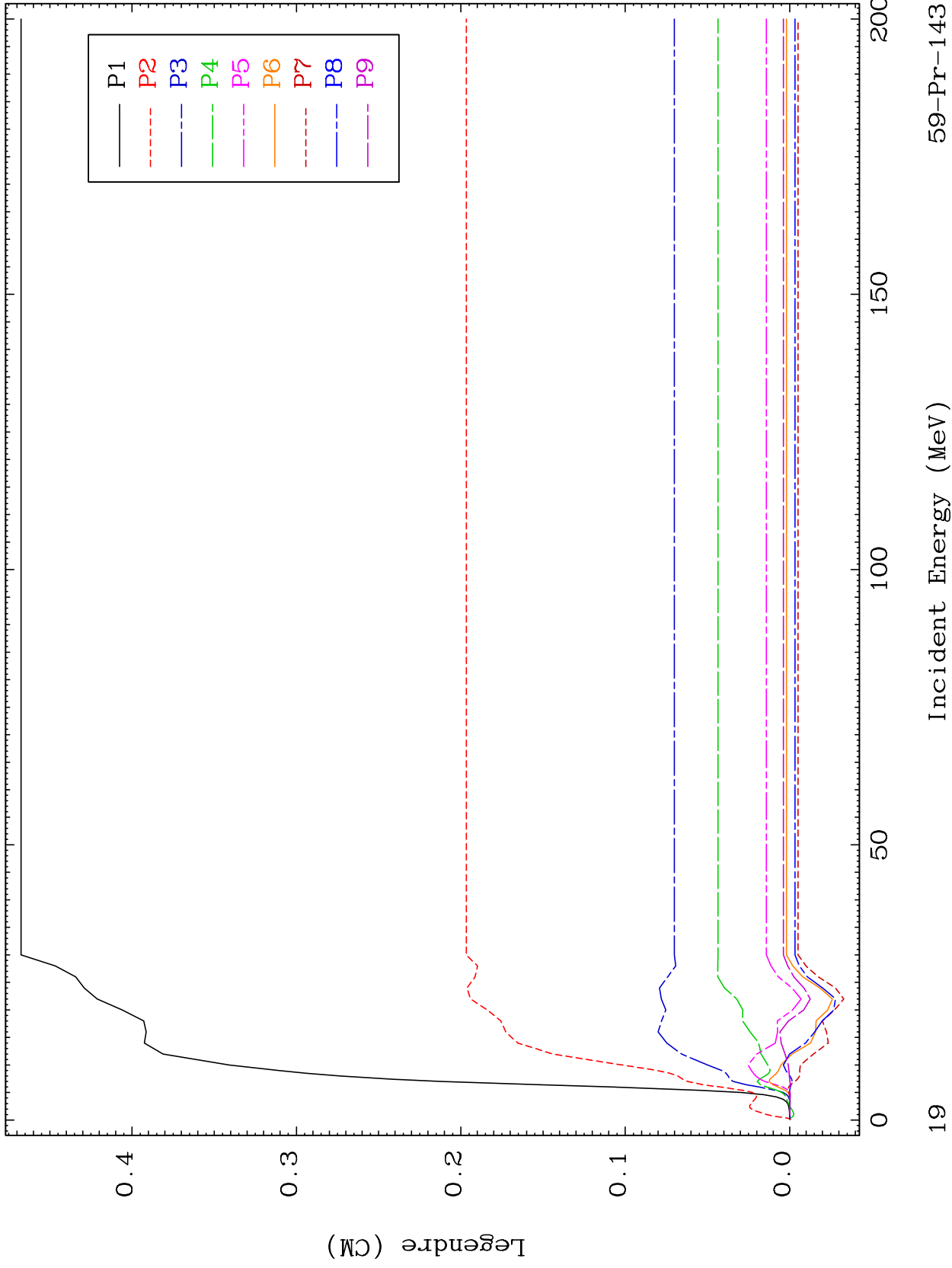
Incident Energy (MeV)

18

MAT 5931

MT= 51 (n,n') Level  
Legendre Coefficients

59-Pr-143



19

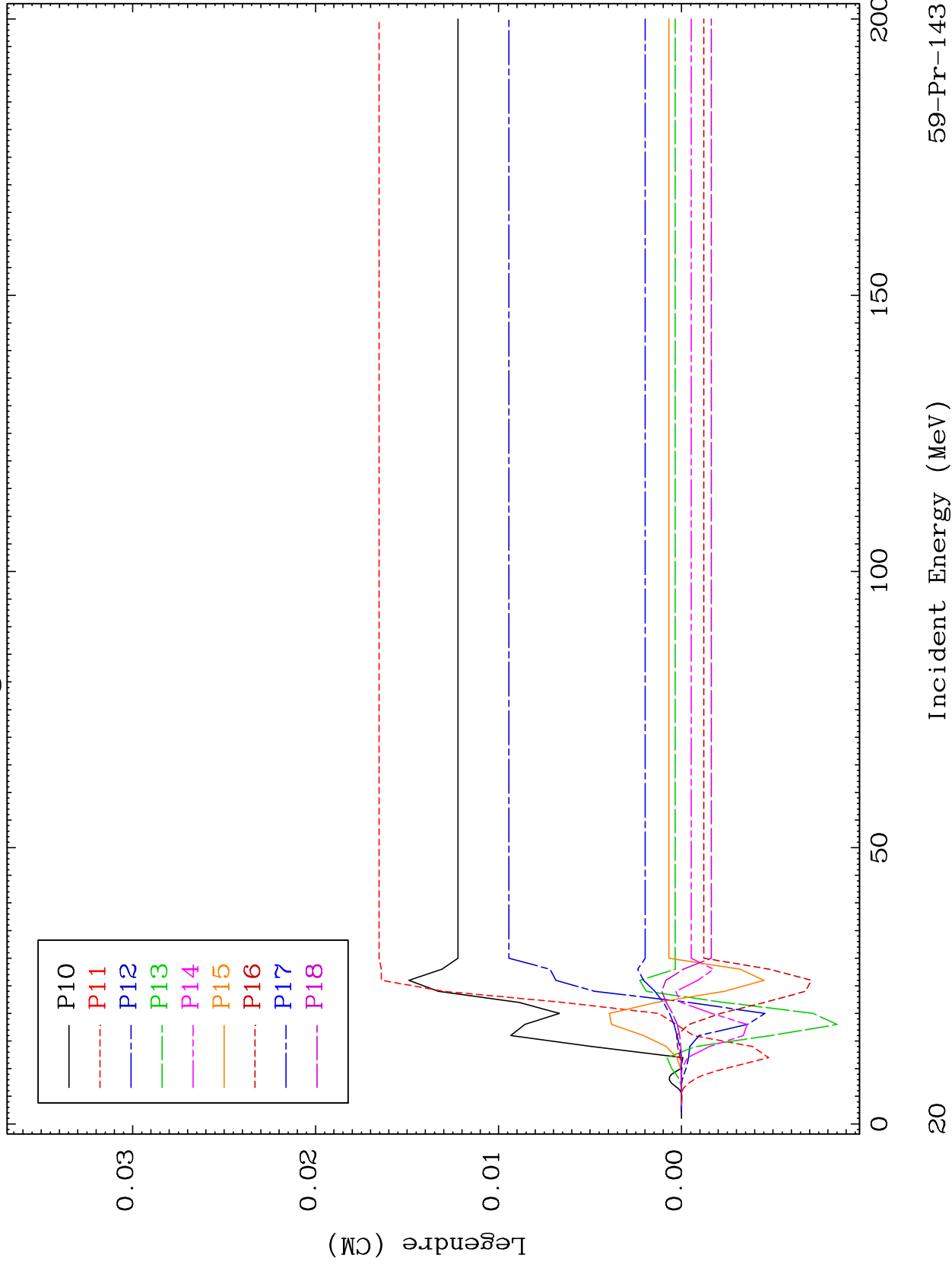
Incident Energy (MeV)

59-Pr-143

MAT 5931

MT= 51 (n,n') Level  
Legendre Coefficients

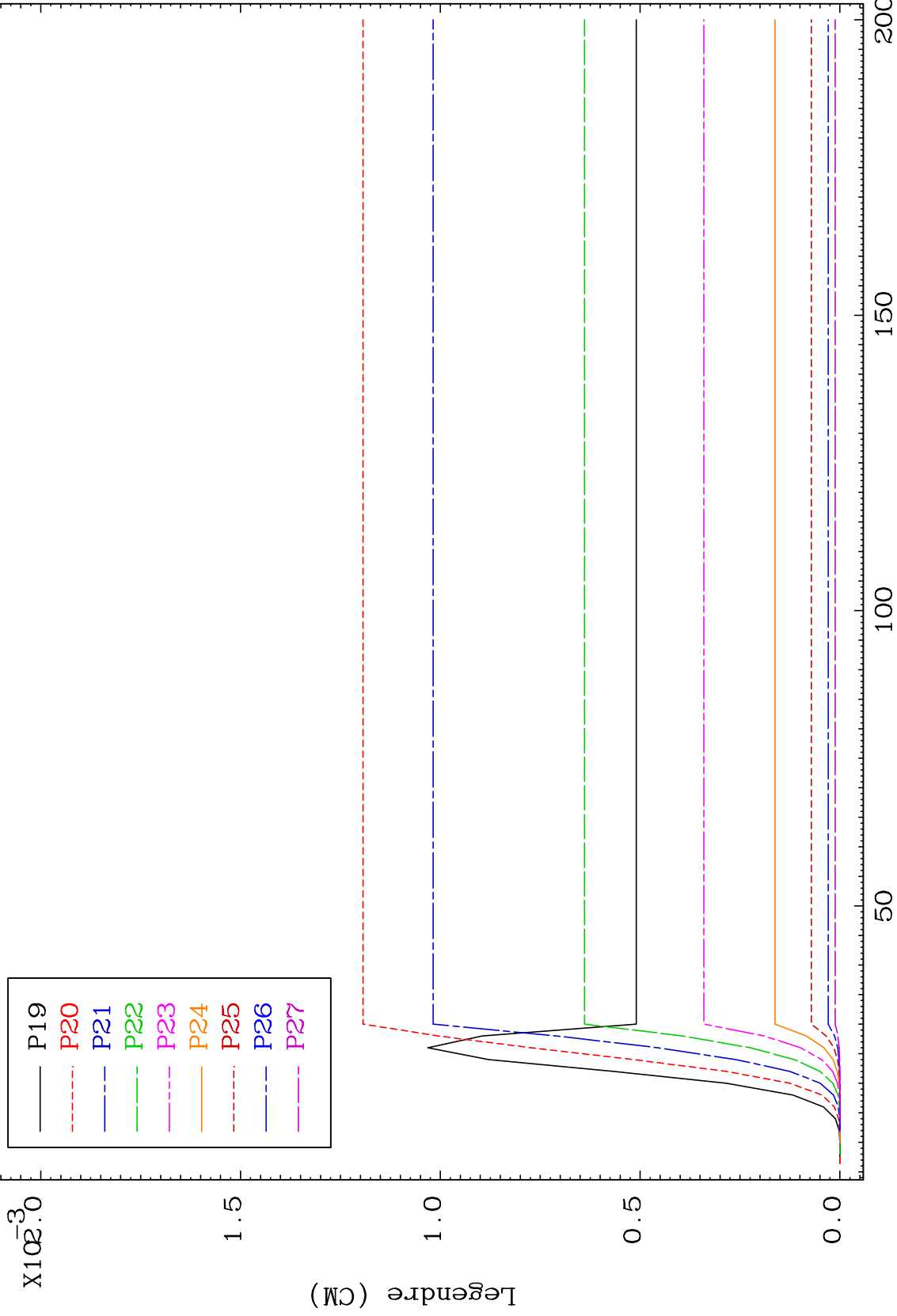
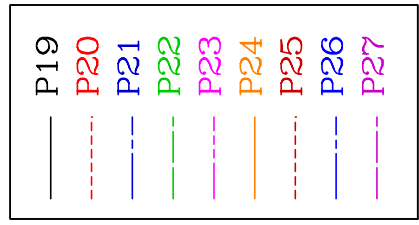
59-Pr-143



59-Pr-143

Incident Energy (MeV)

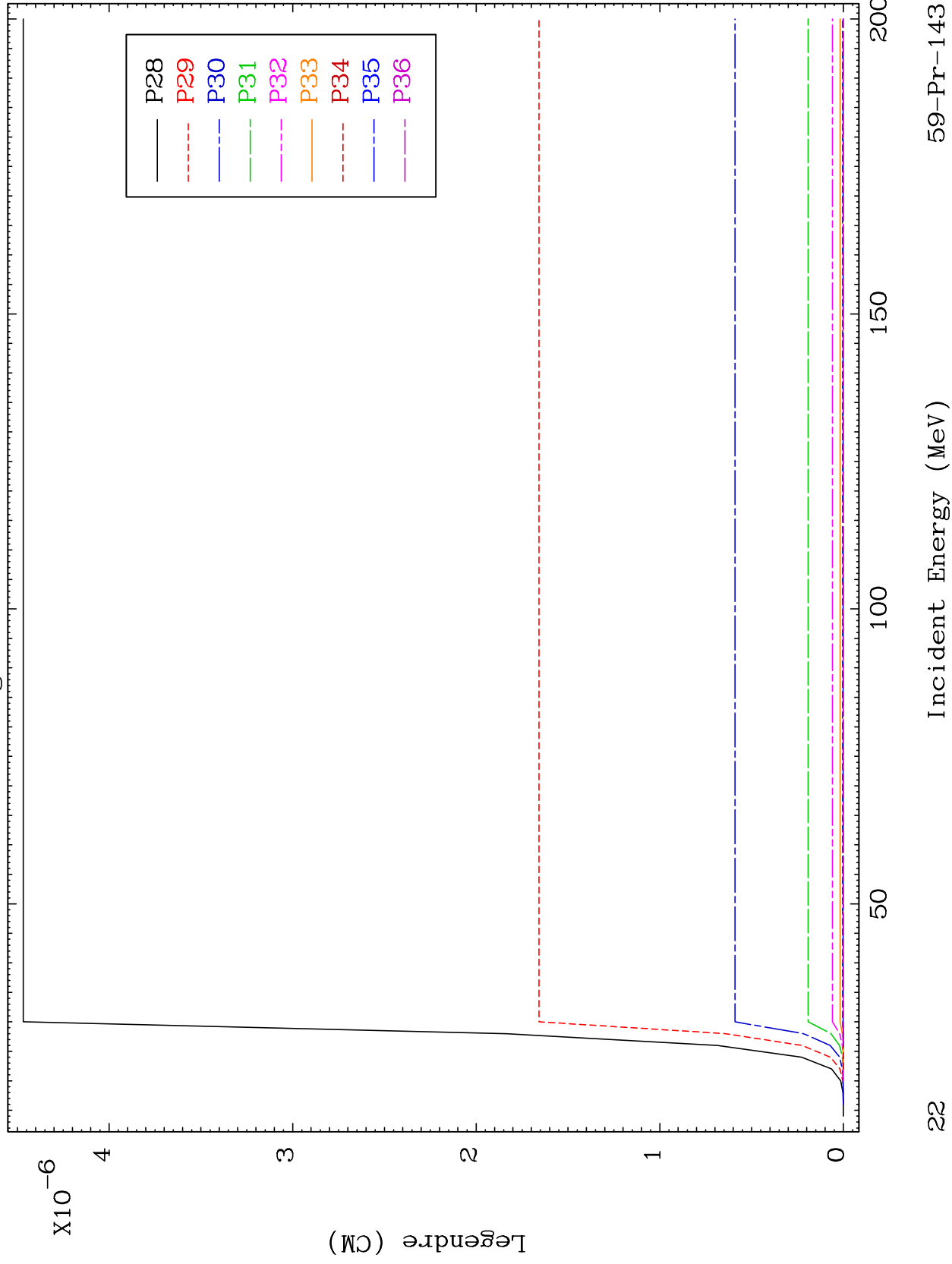
20



MAT 5931

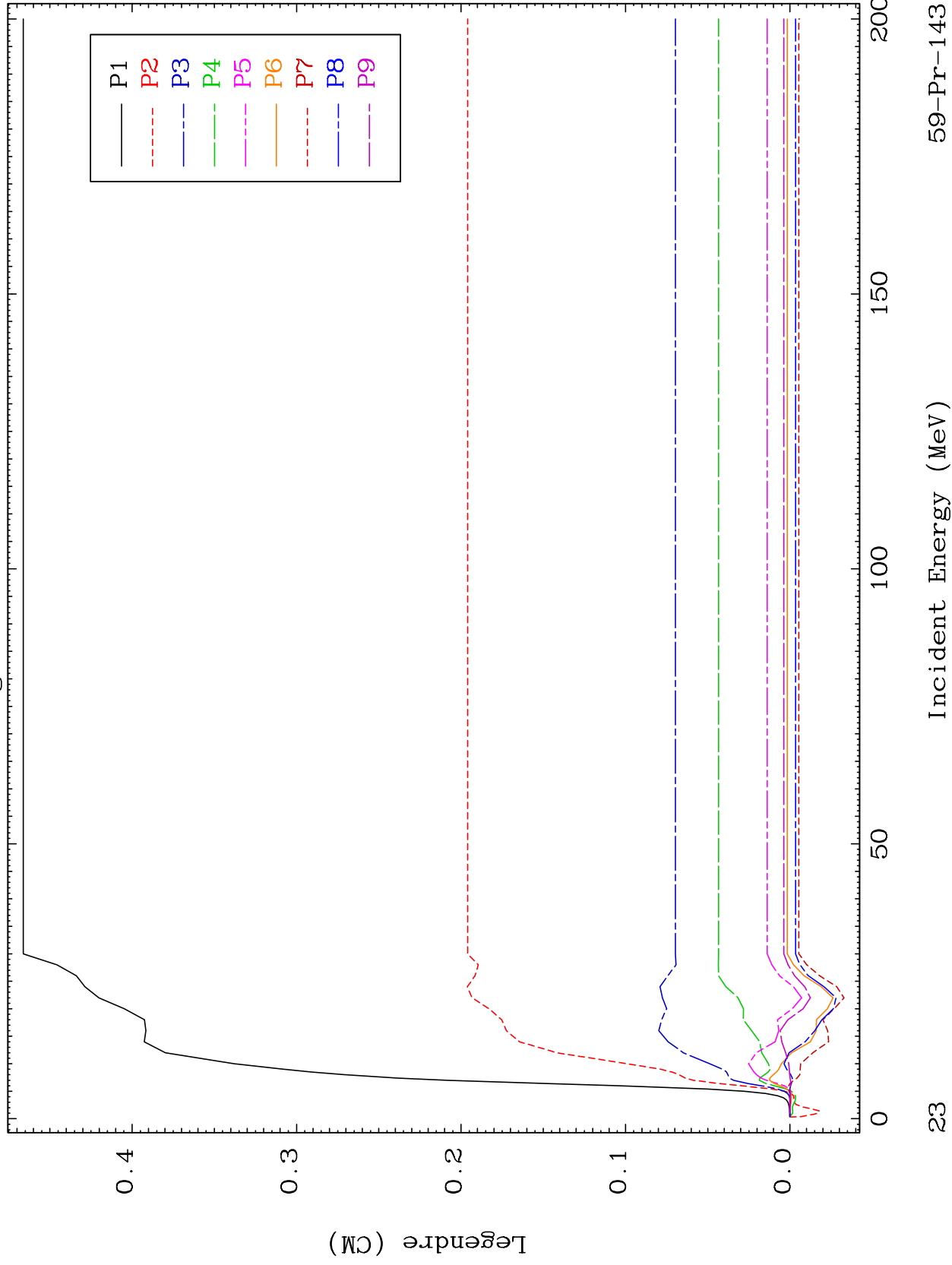
MT= 51 (n,n') Level  
Legendre Coefficients

59-Pr-143

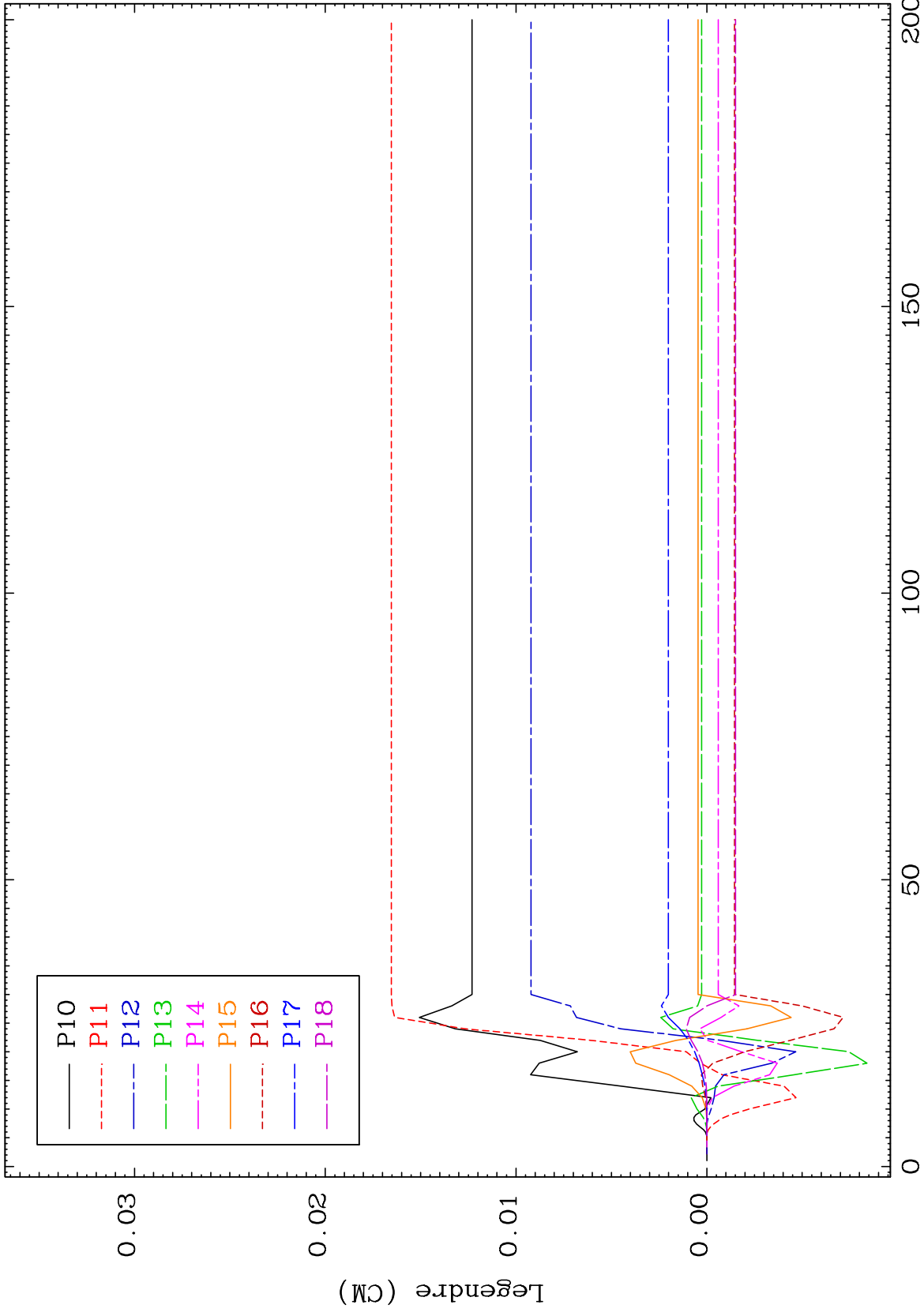


22

59-Pr-143



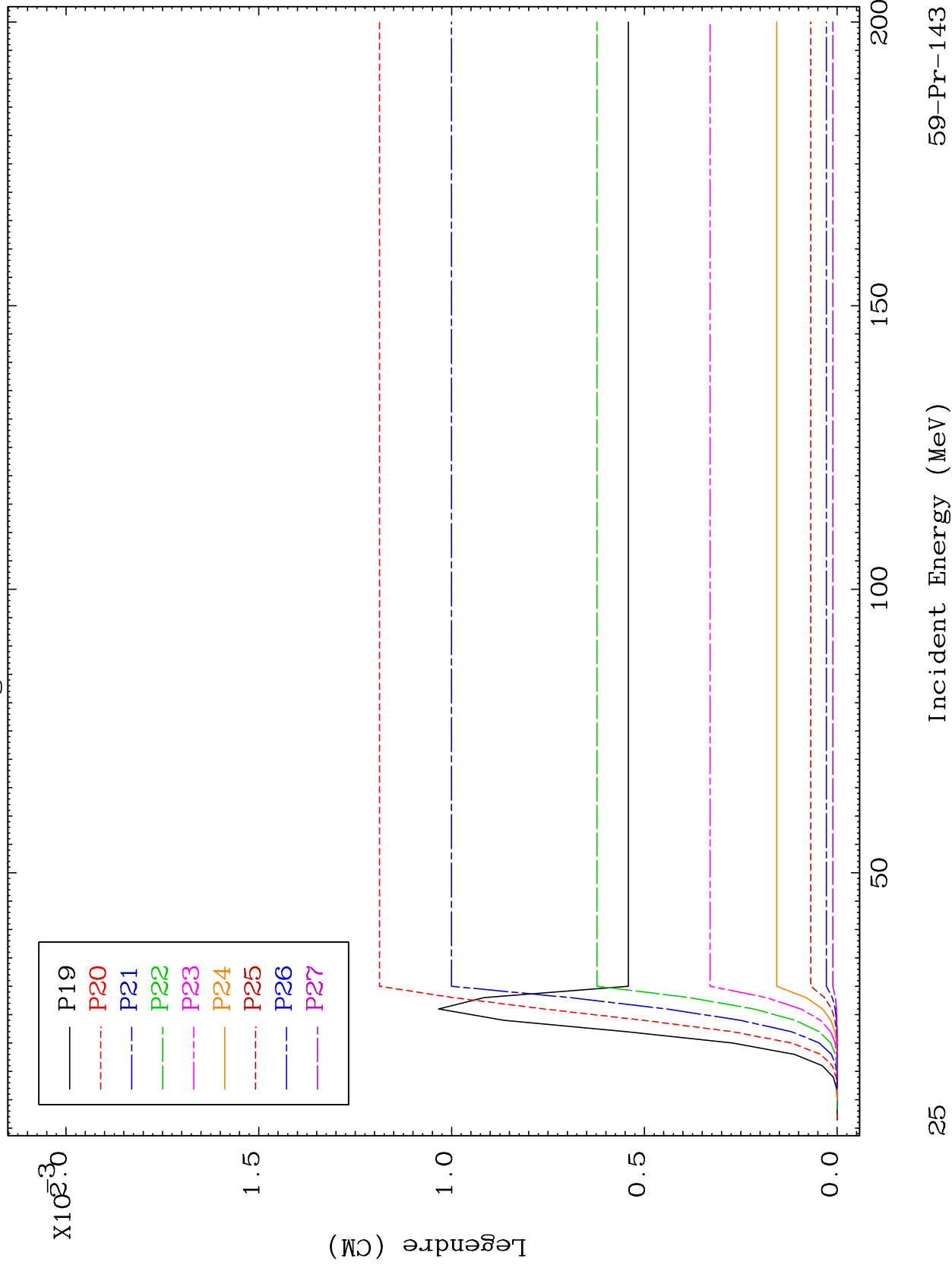




MAT 5931

MT= 52 (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

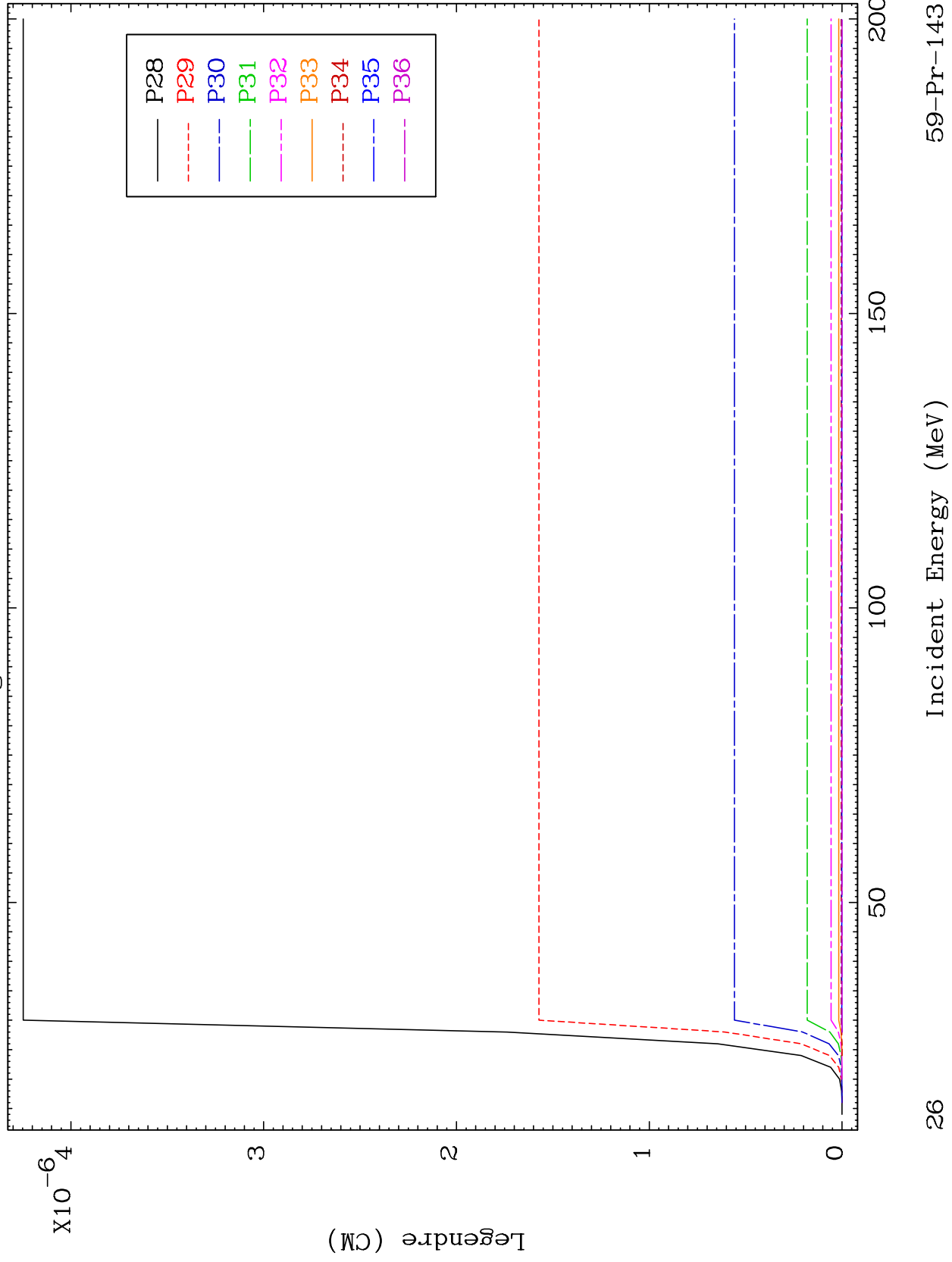
Incident Energy (MeV)

25

MAT 5931

MT= 52 (n,n') Level  
Legendre Coefficients

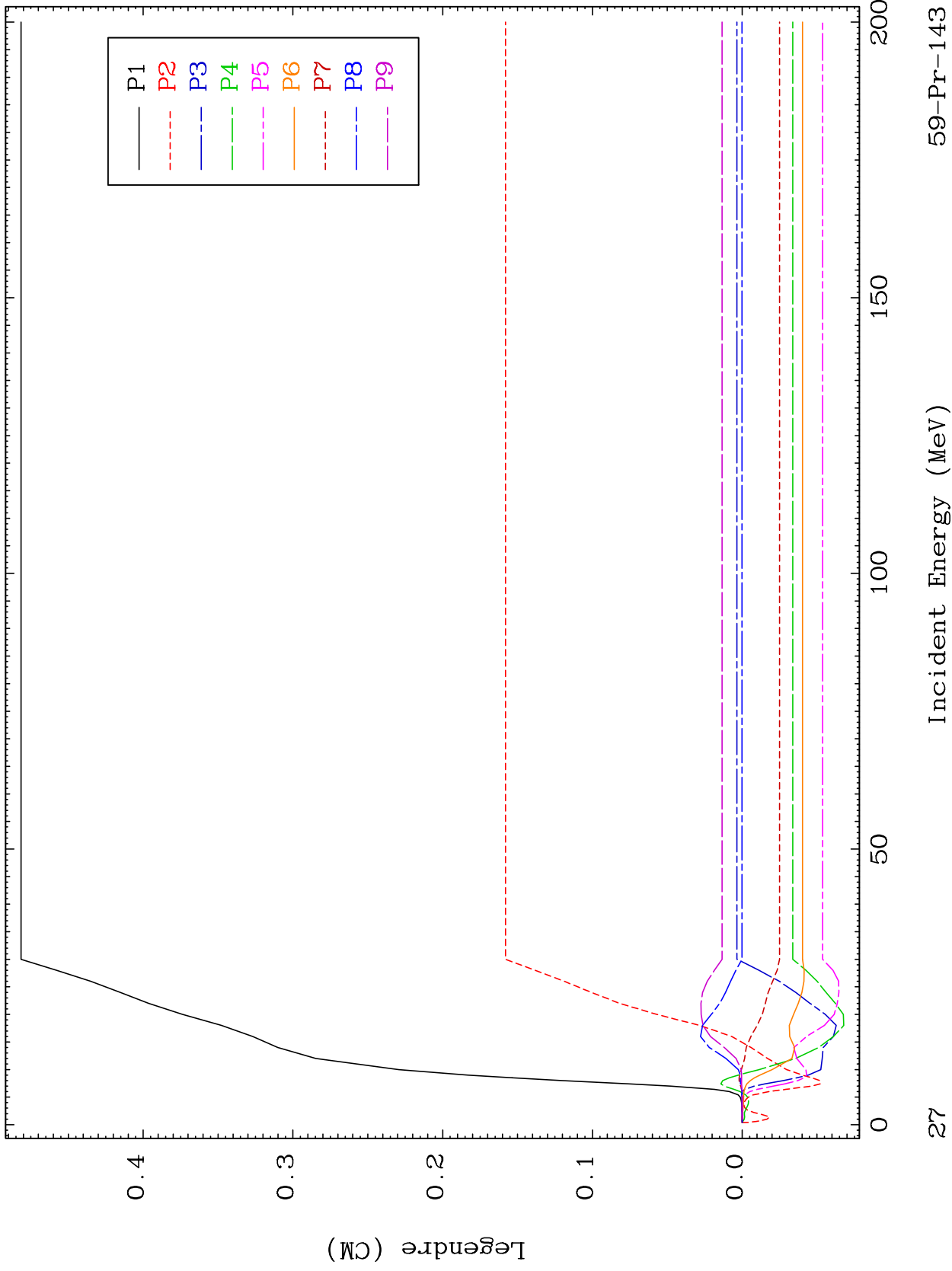
59-Pr-143



26

Incident Energy (MeV)

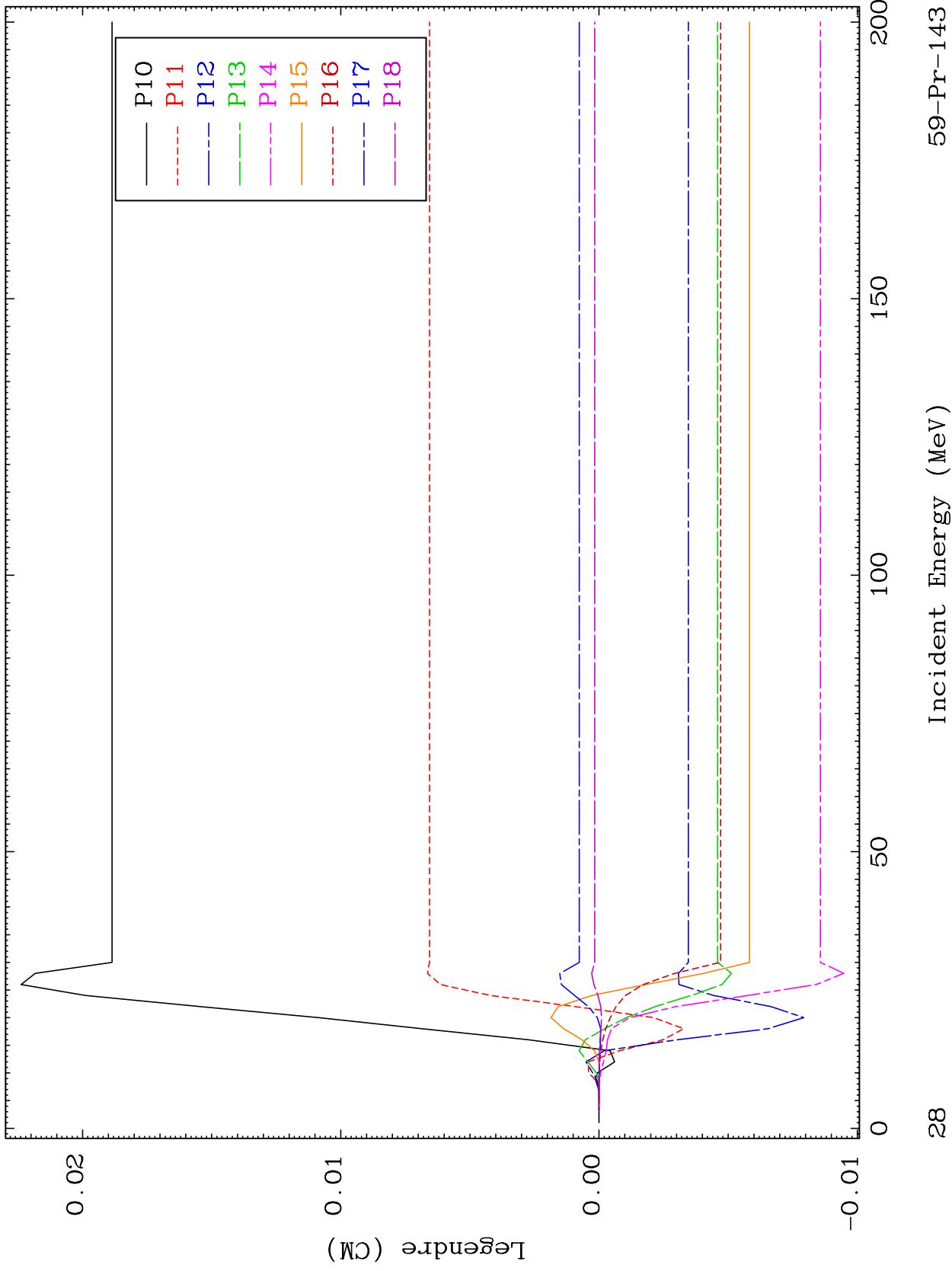
59-Pr-143



MAT 5931

MT= 53 (n,n') Level  
Legendre Coefficients

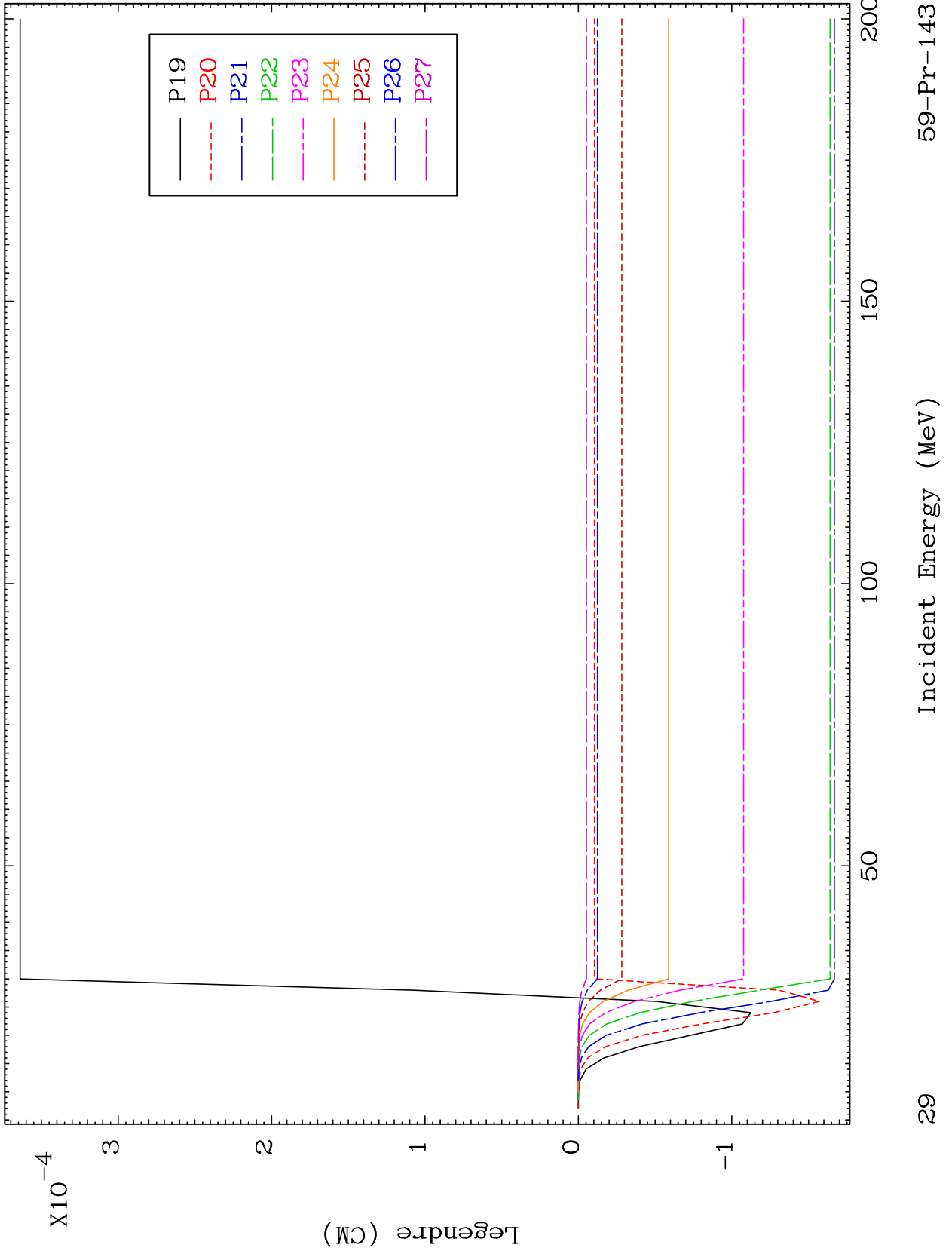
59-Pr-143



28

Incident Energy (MeV)

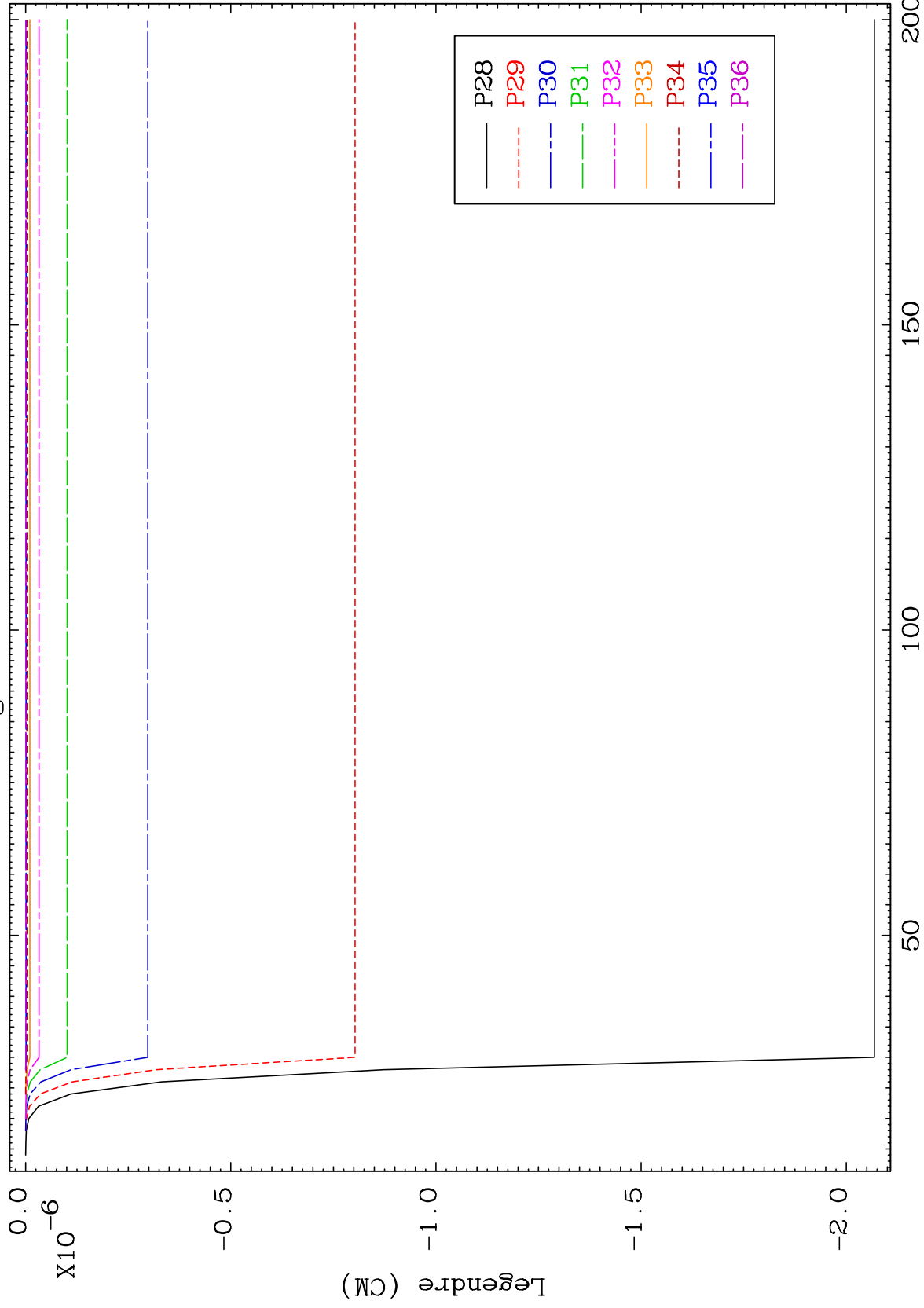
59-Pr-143



MAT 5931

MT= 53 (n,n') Level  
Legendre Coefficients

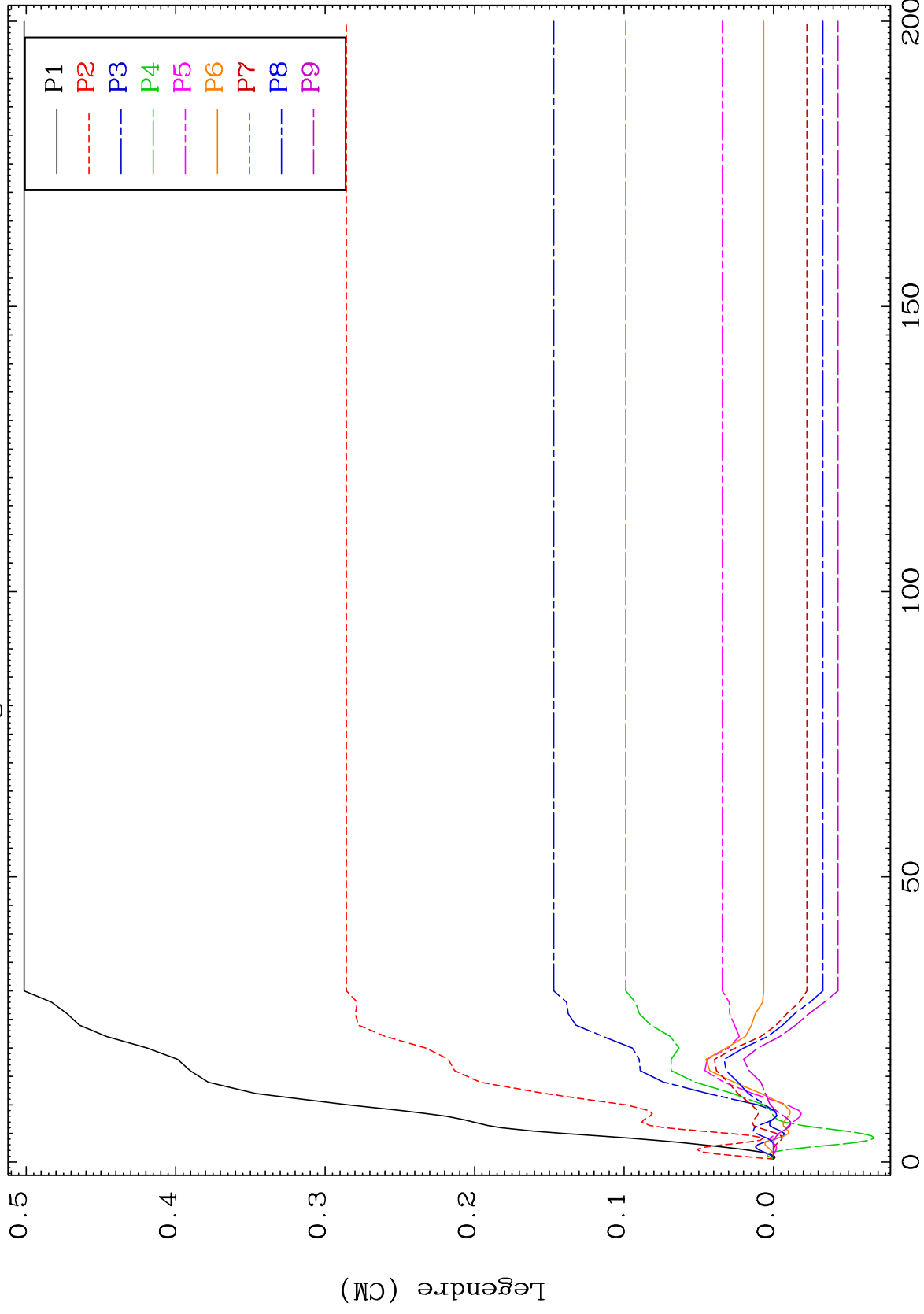
59-Pr-143



30

Incident Energy (MeV)

59-Pr-143

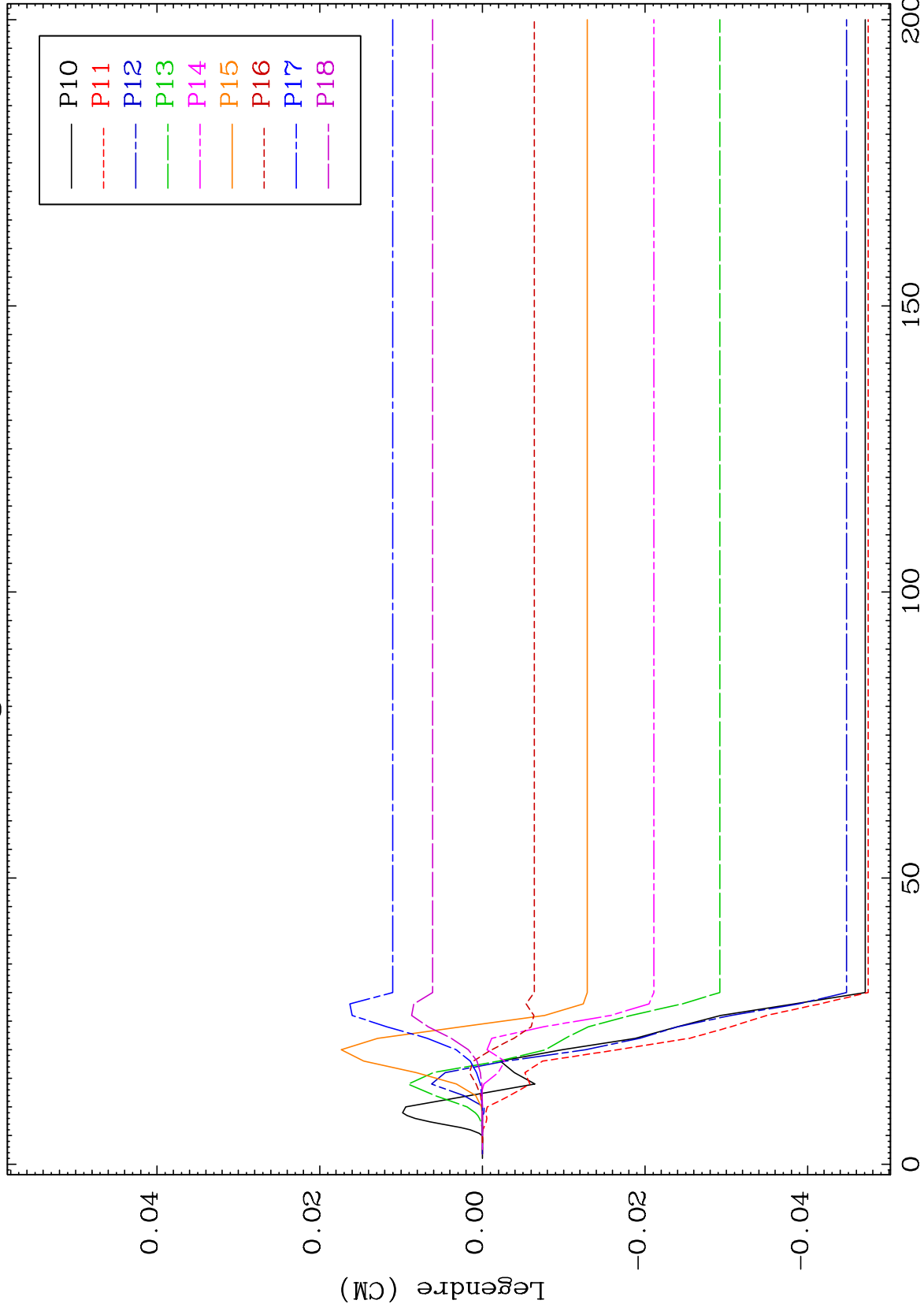




MAT 5931

MT= 54 (n,n') Level  
Legendre Coefficients

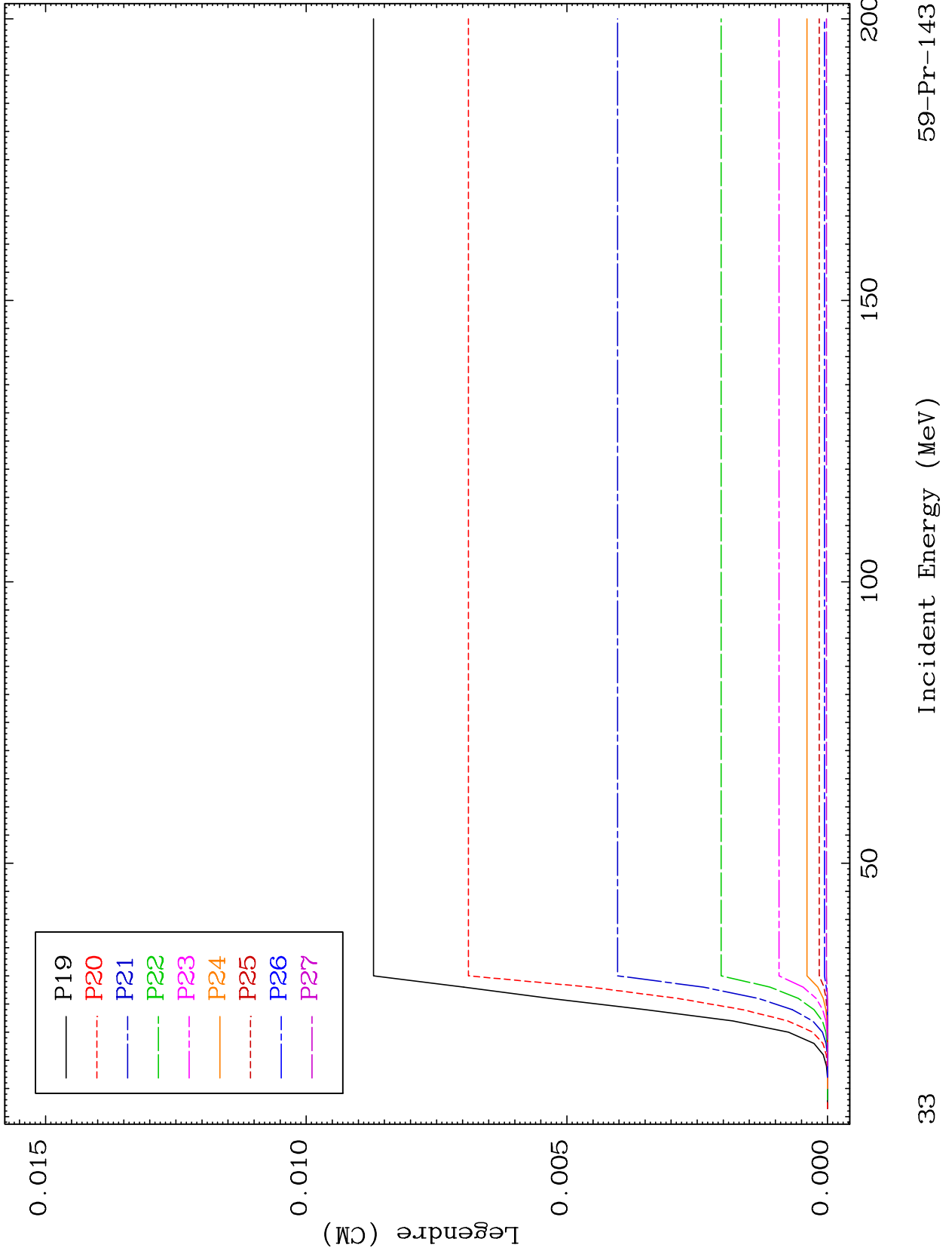
59-Pr-143



32

Incident Energy (MeV)

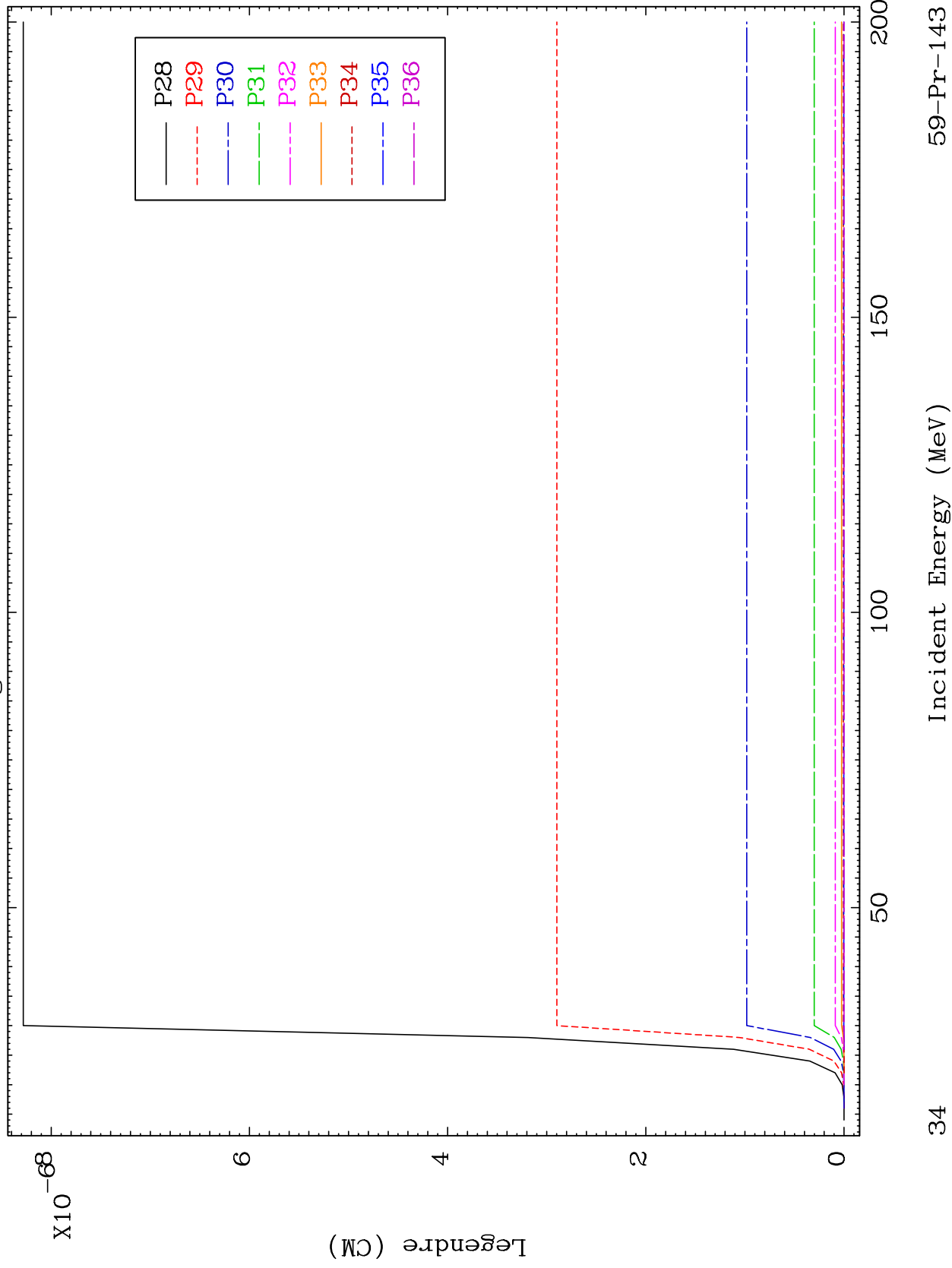
59-Pr-143



MAT 5931

MT= 54 (n,n') Level  
Legendre Coefficients

59-Pr-143



34

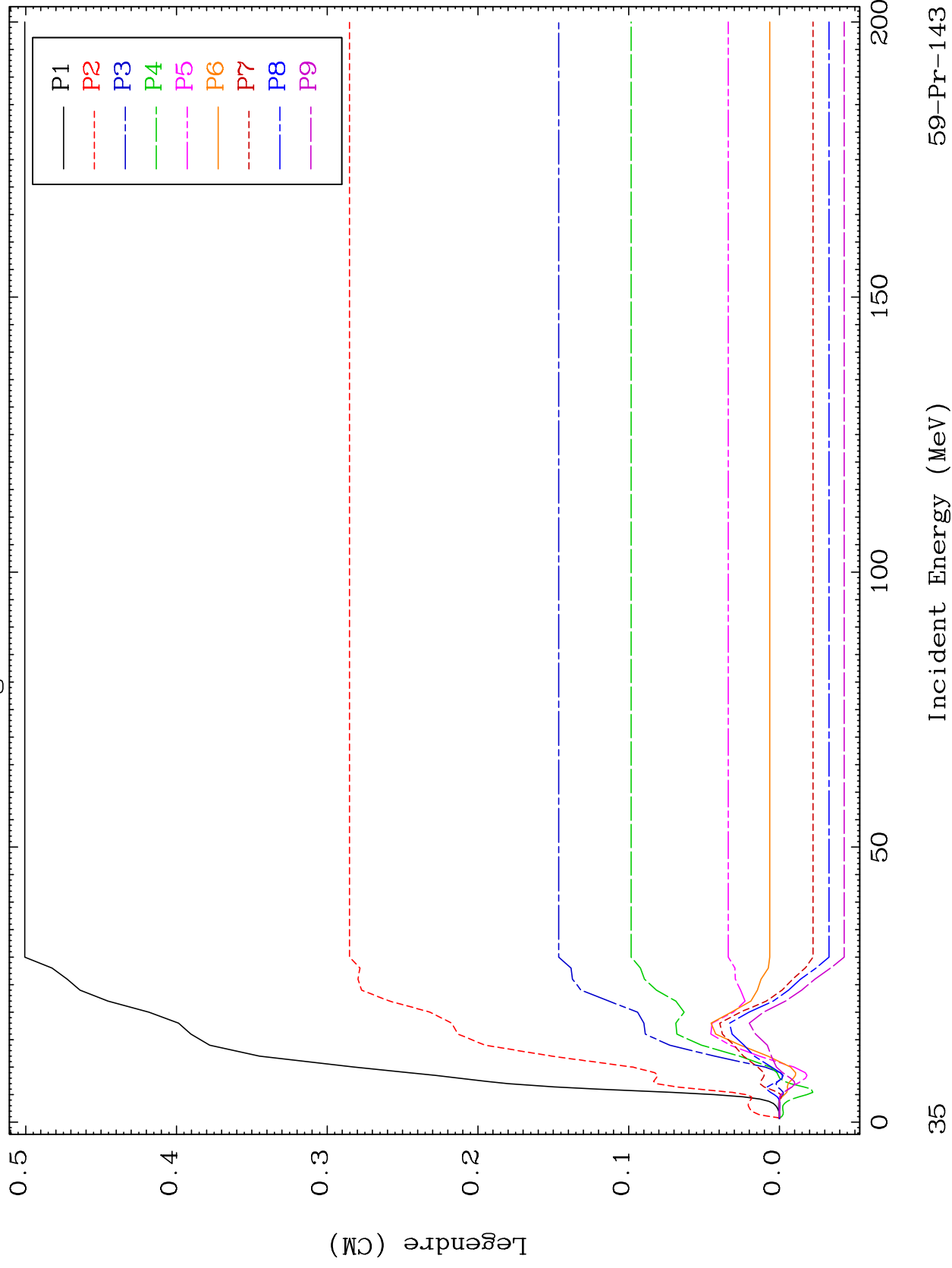
Incident Energy (MeV)

59-Pr-143

MAT 5931

MT= 55 (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

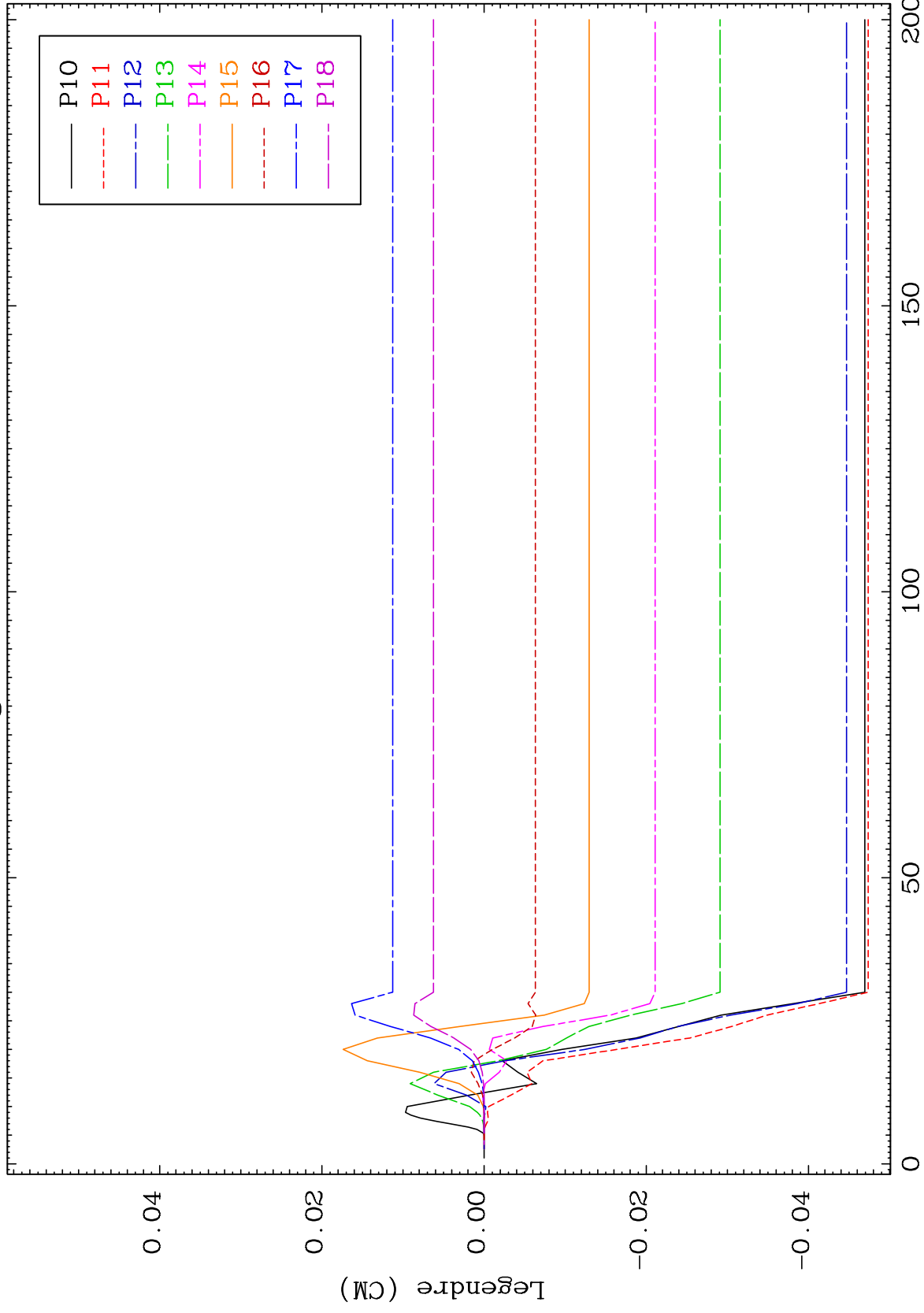
Incident Energy (MeV)

35

MAT 5931

MT= 55 (n,n') Level  
Legendre Coefficients

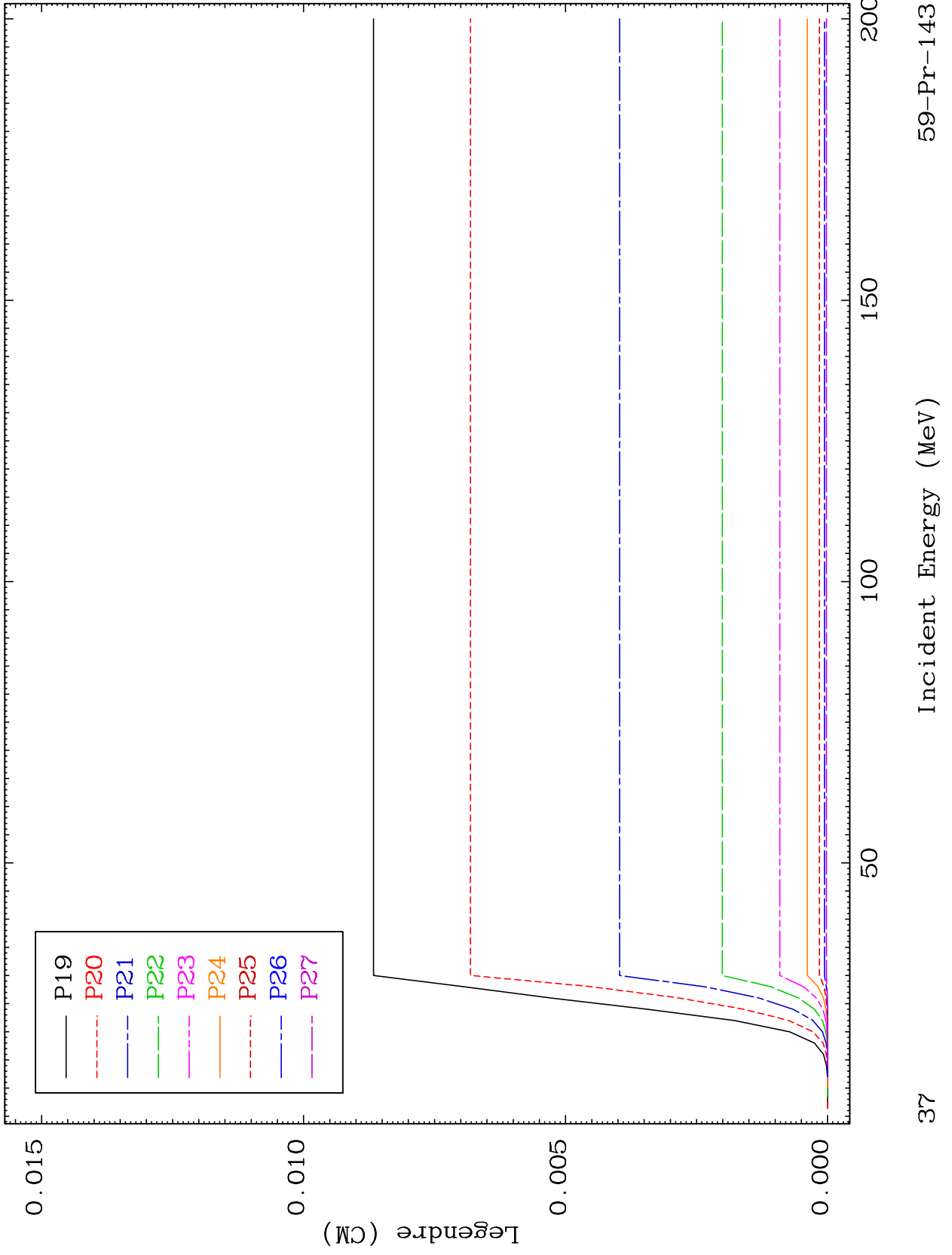
59-Pr-143



36

Incident Energy (MeV)

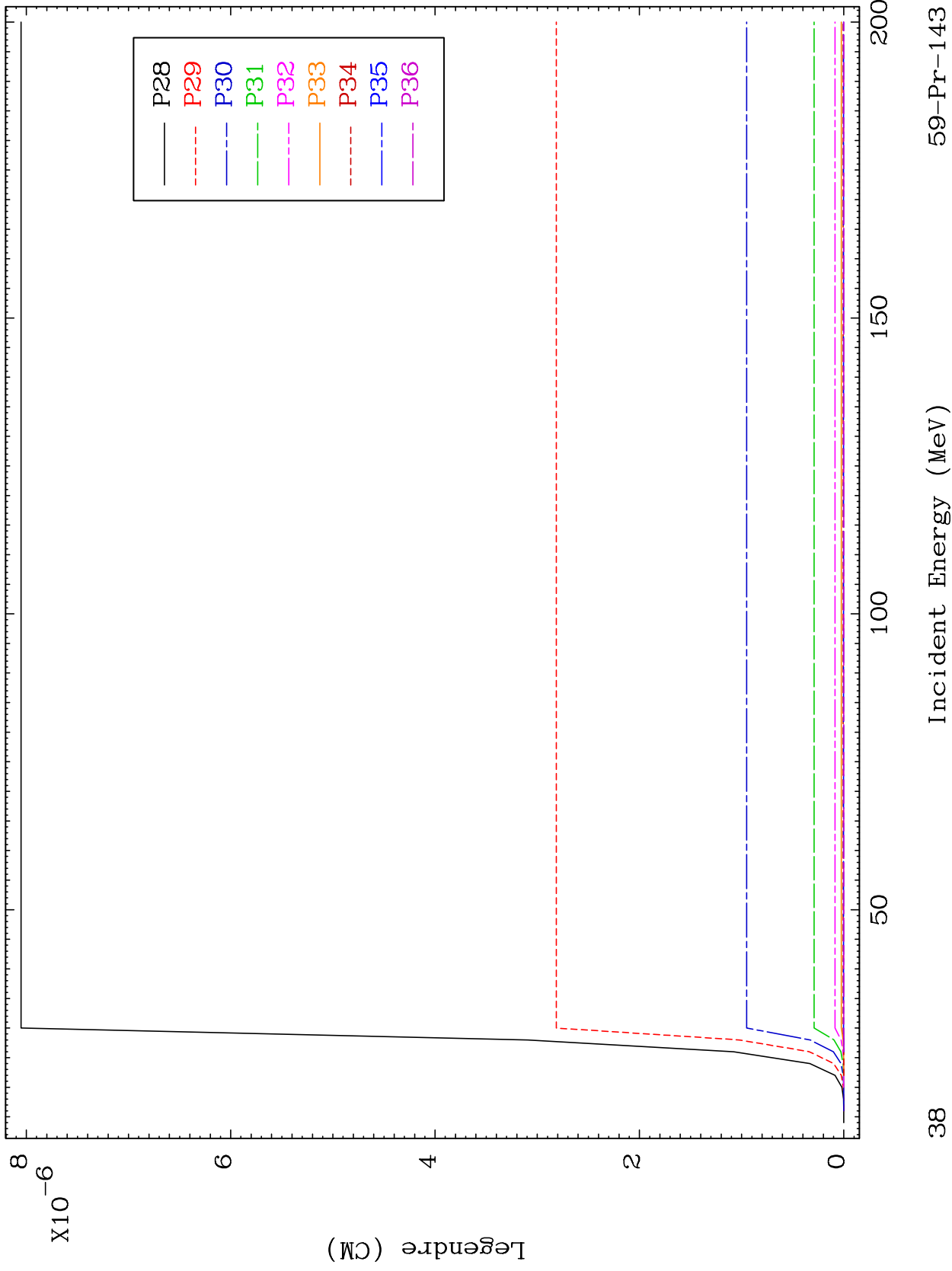
59-Pr-143



MAT 5931

MT= 55 (n,n') Level  
Legendre Coefficients

59-Pr-143



38

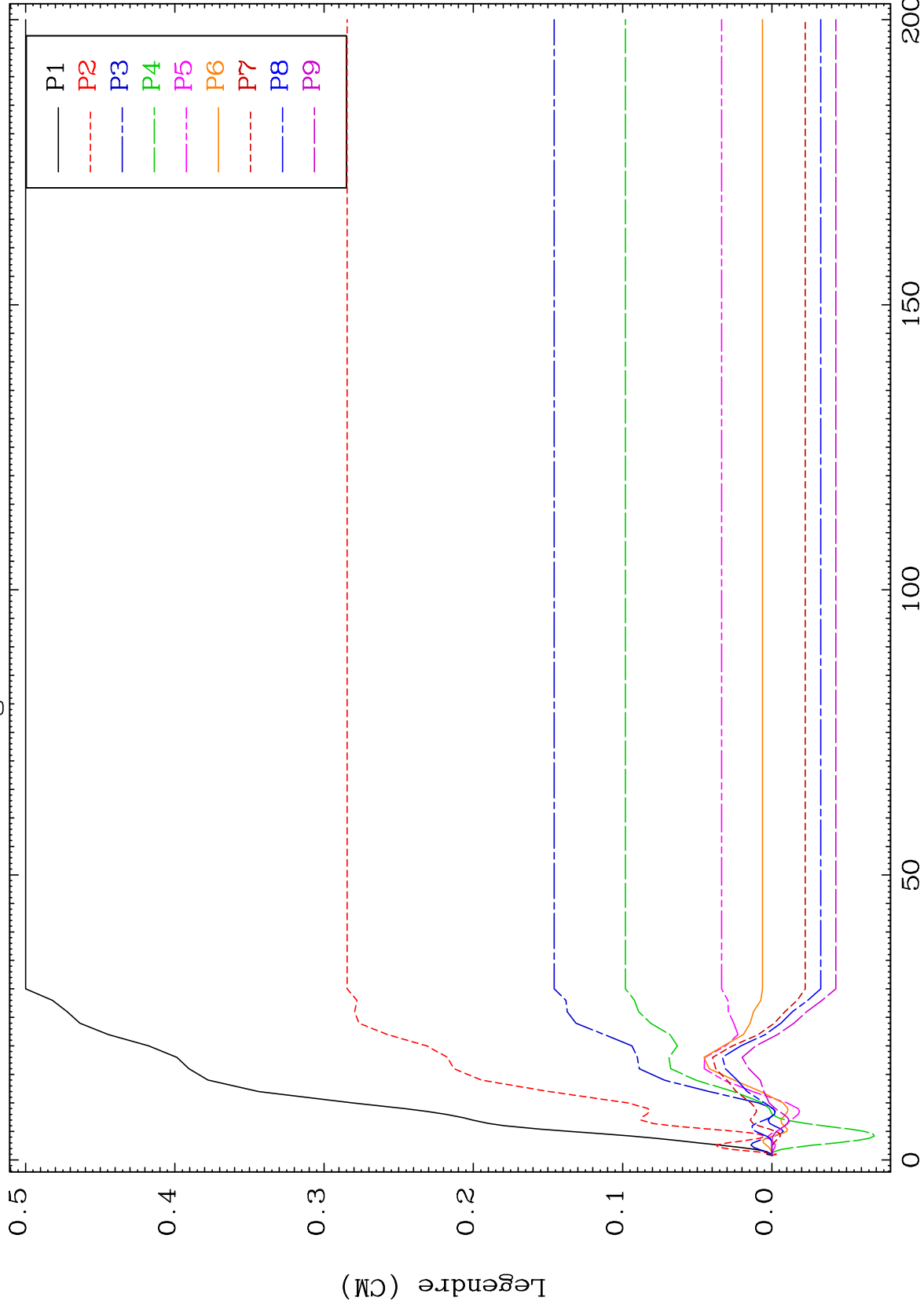
Incident Energy (MeV)

59-Pr-143

MAT 5931

MT= 56 (n,n') Level  
Legendre Coefficients

59-Pr-143



39

Incident Energy (MeV)

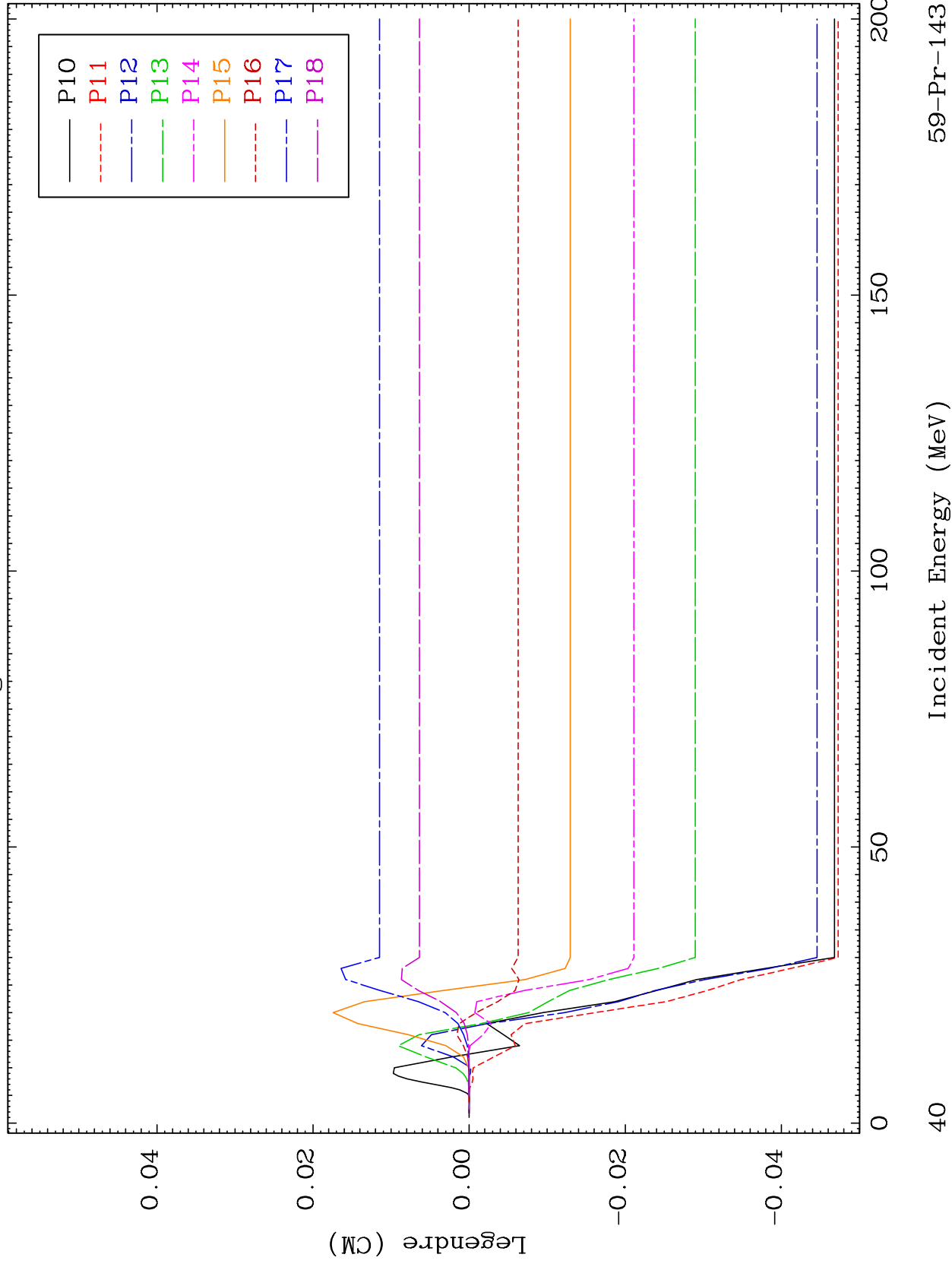
59-Pr-143



MAT 5931

MT= 56 (n,n') Level  
Legendre Coefficients

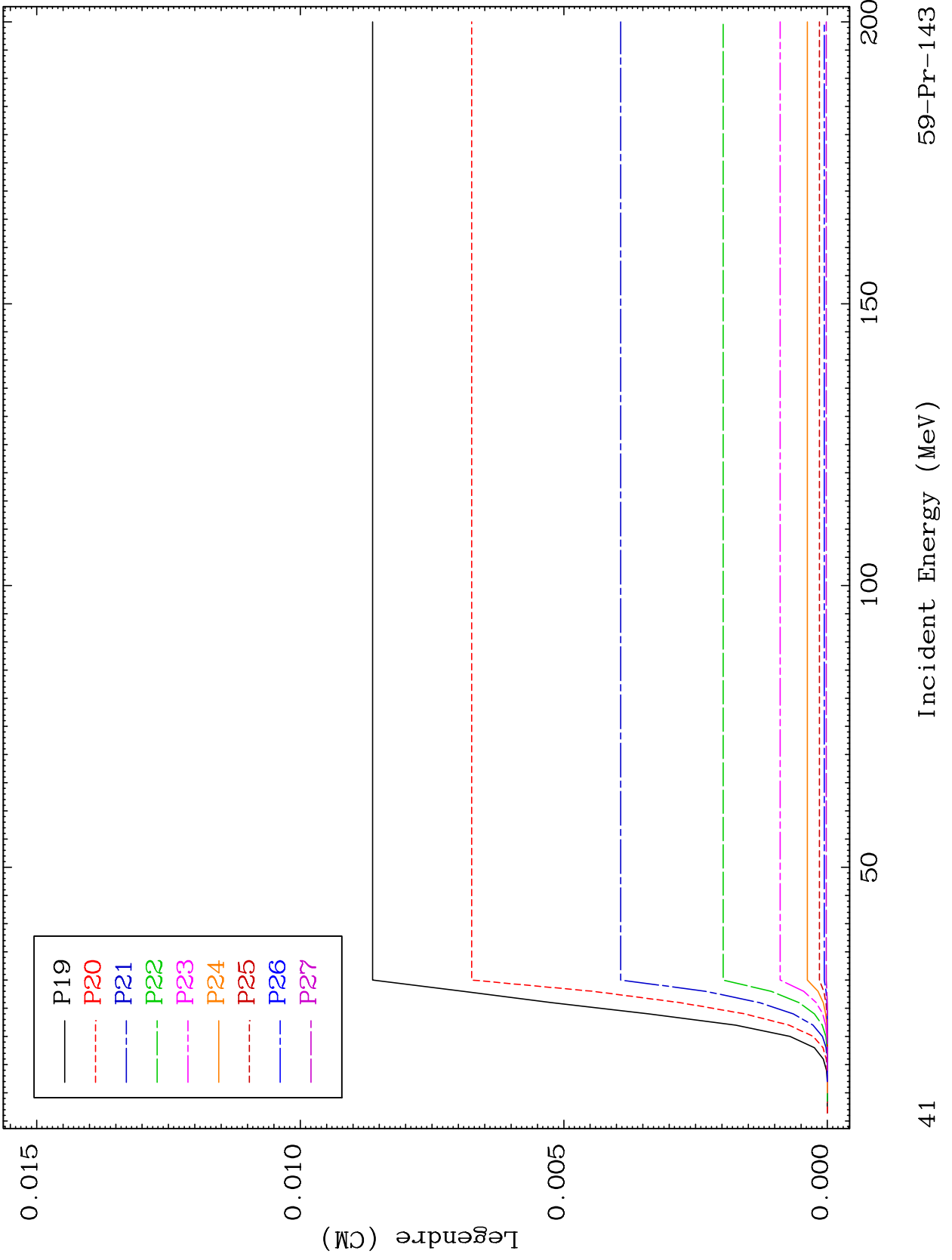
59-Pr-143



59-Pr-143

Incident Energy (MeV)

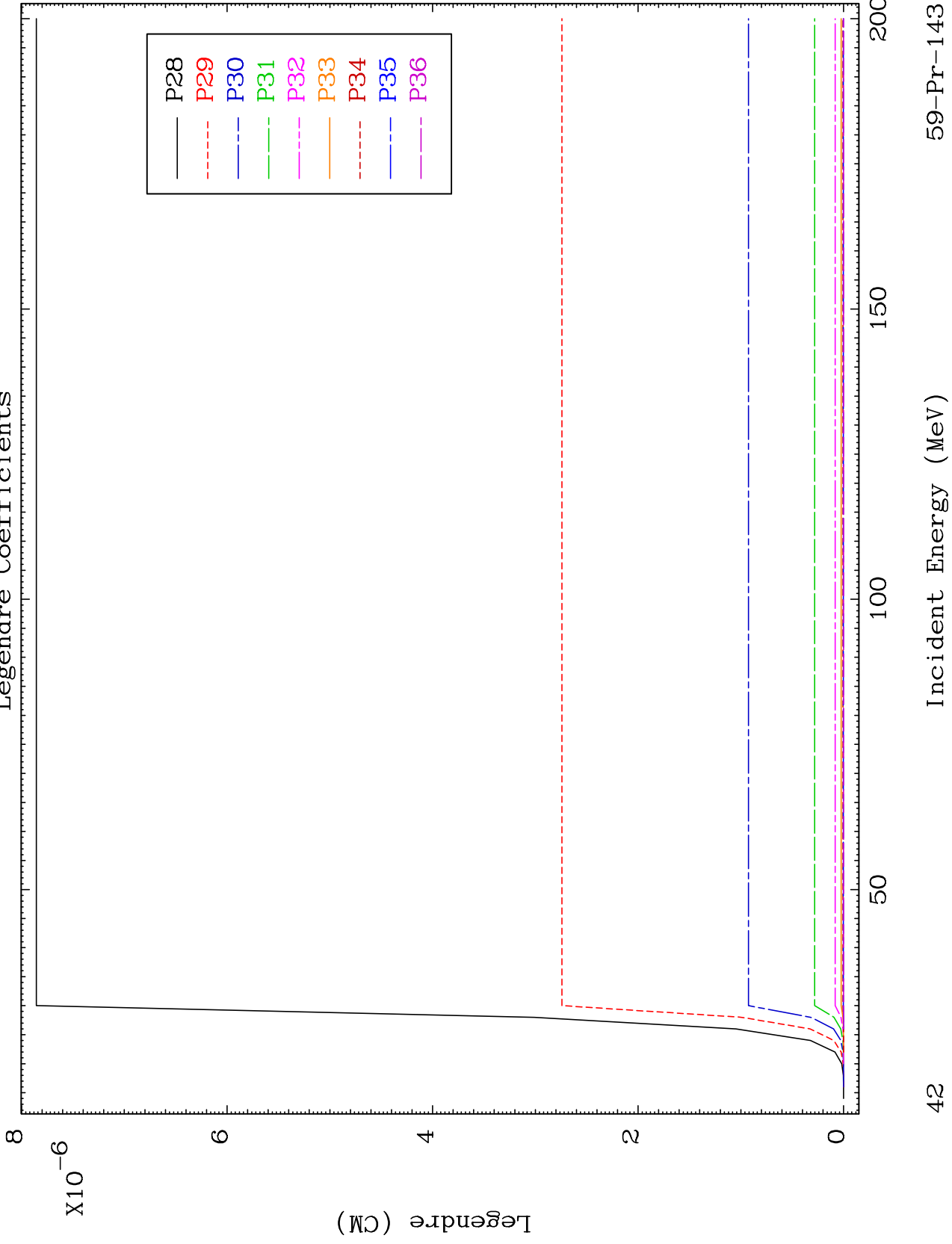
40



MAT 5931

MT= 56 (n,n') Level  
Legendre Coefficients

59-Pr-143



42

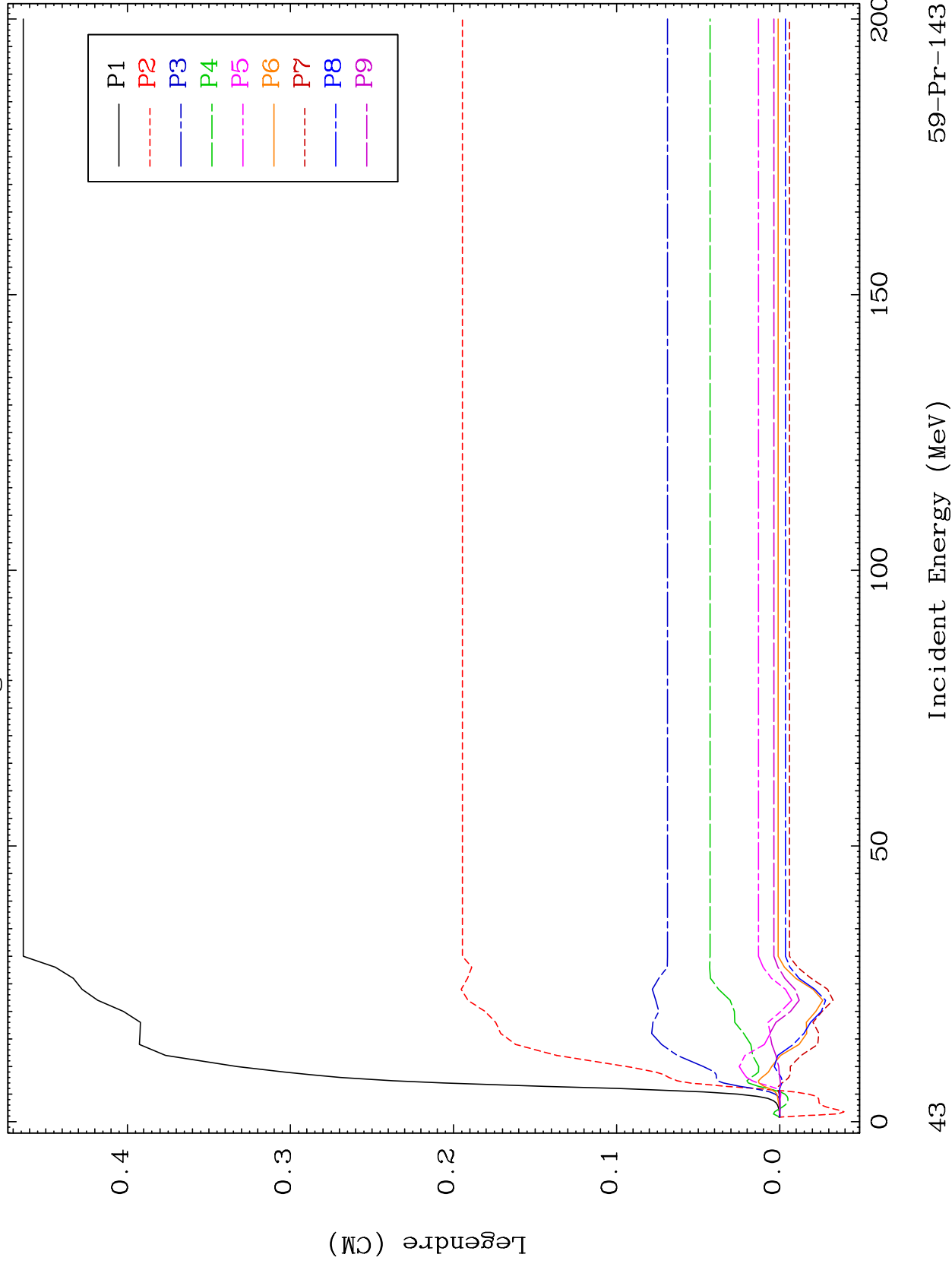
Incident Energy (MeV)

59-Pr-143

MAT 5931

MT= 57 (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

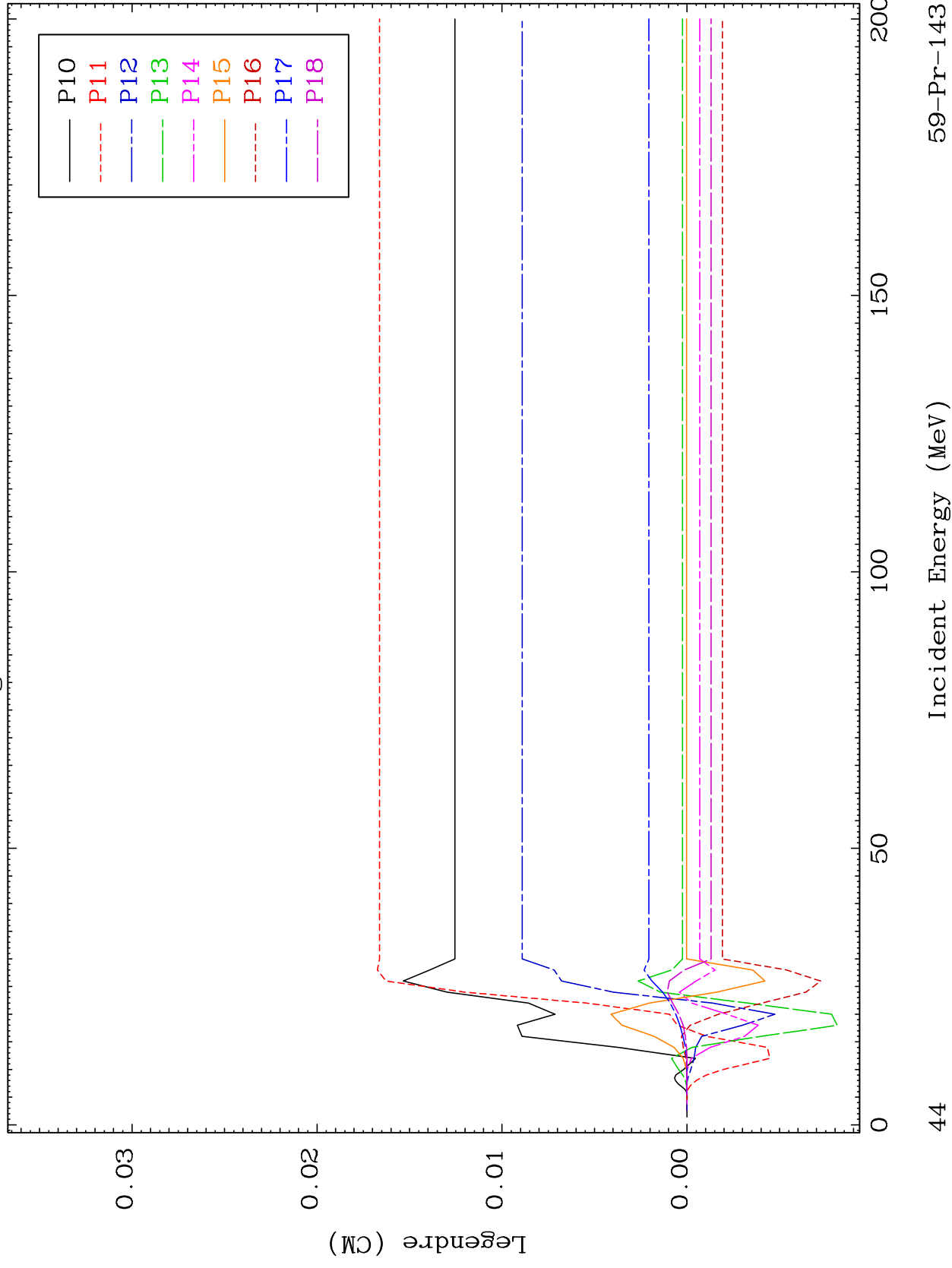
Incident Energy (MeV)

43

MAT 5931

MT= 57 (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

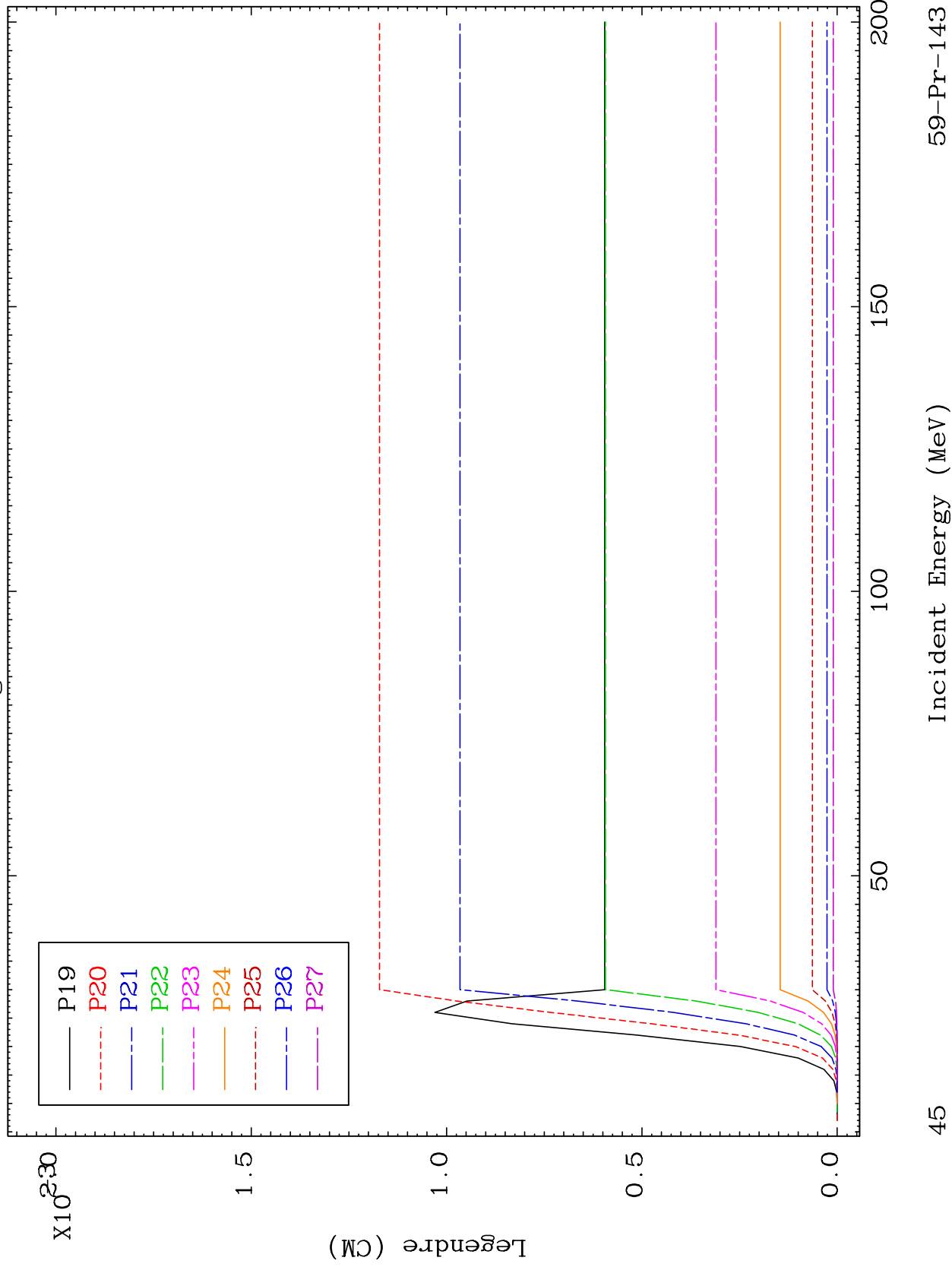
Incident Energy (MeV)

44

MAT 5931

MT= 57 (n,n') Level  
Legendre Coefficients

59-Pr-143



45

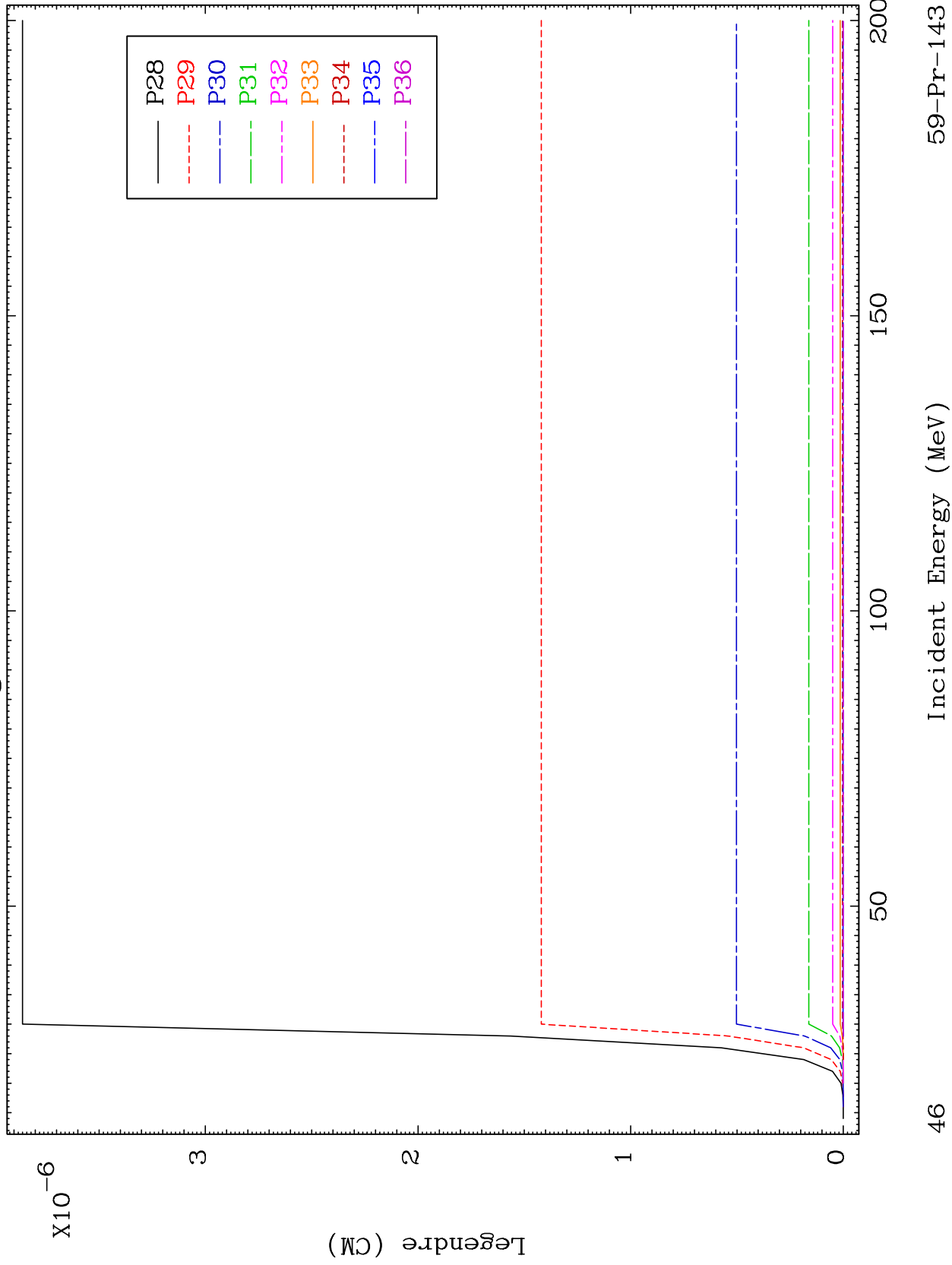
Incident Energy (MeV)

59-Pr-143

MAT 5931

MT= 57 (n,n') Level  
Legendre Coefficients

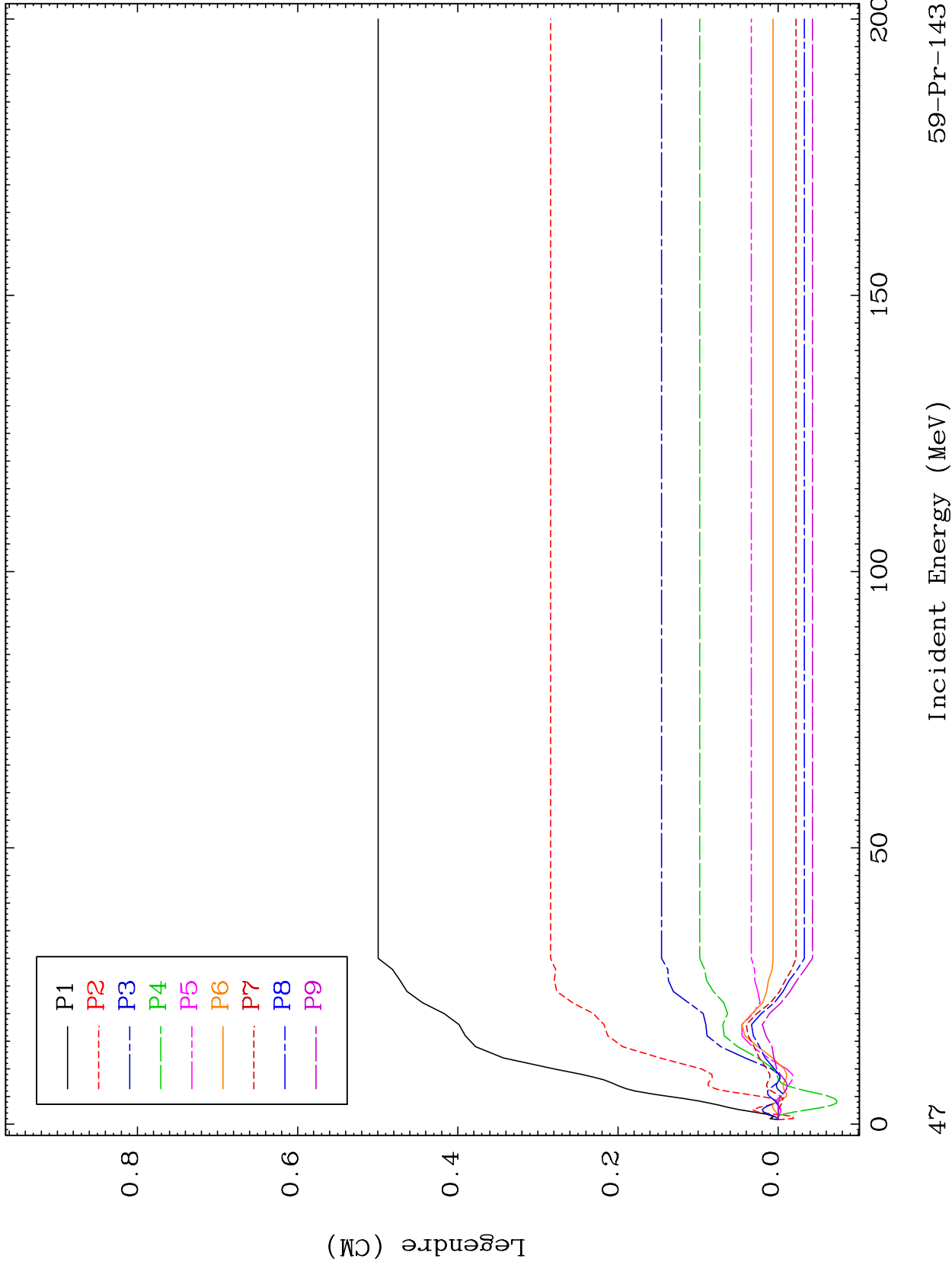
59-Pr-143



46

Incident Energy (MeV)

59-Pr-143

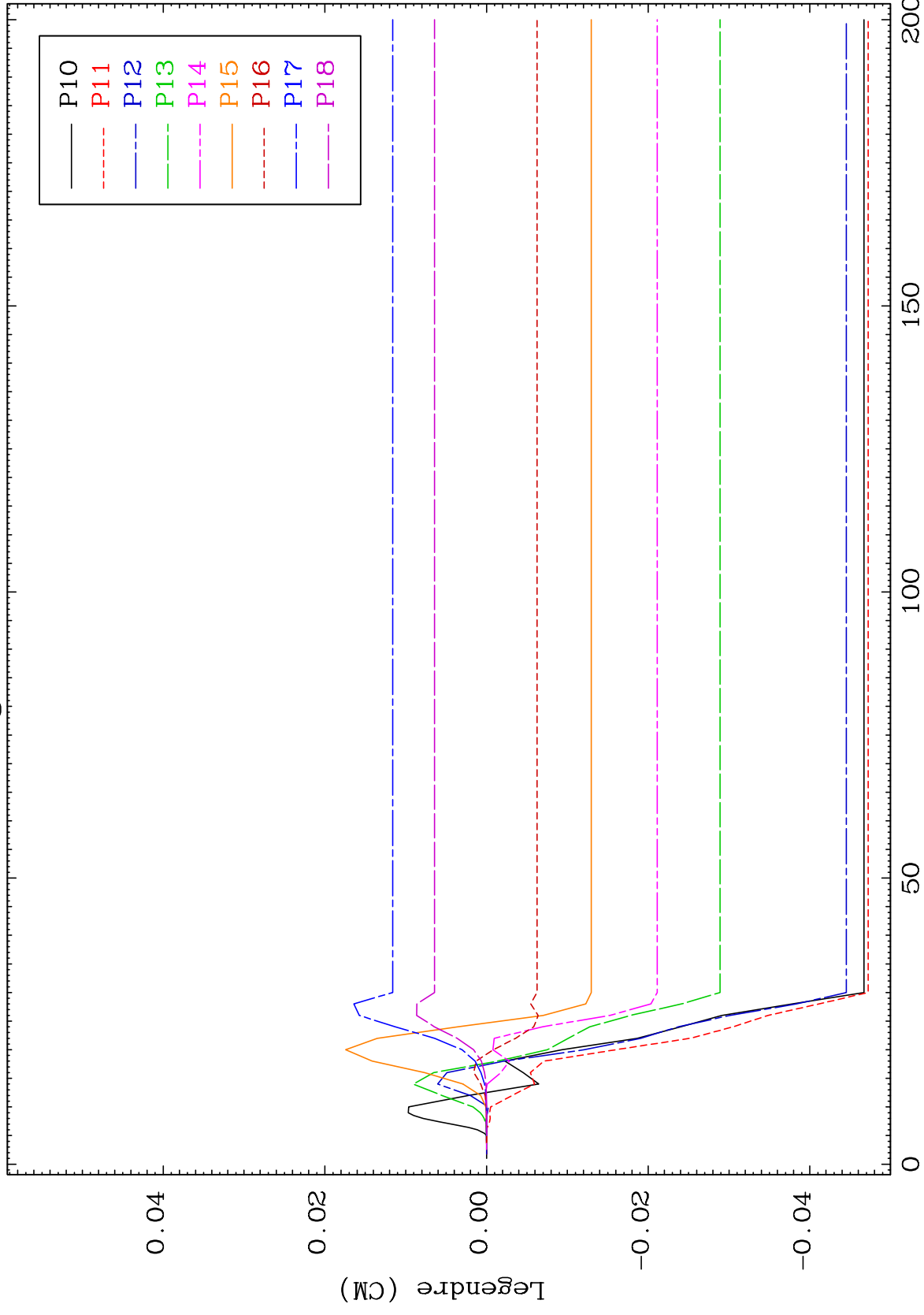




MAT 5931

MT= 58 (n,n') Level  
Legendre Coefficients

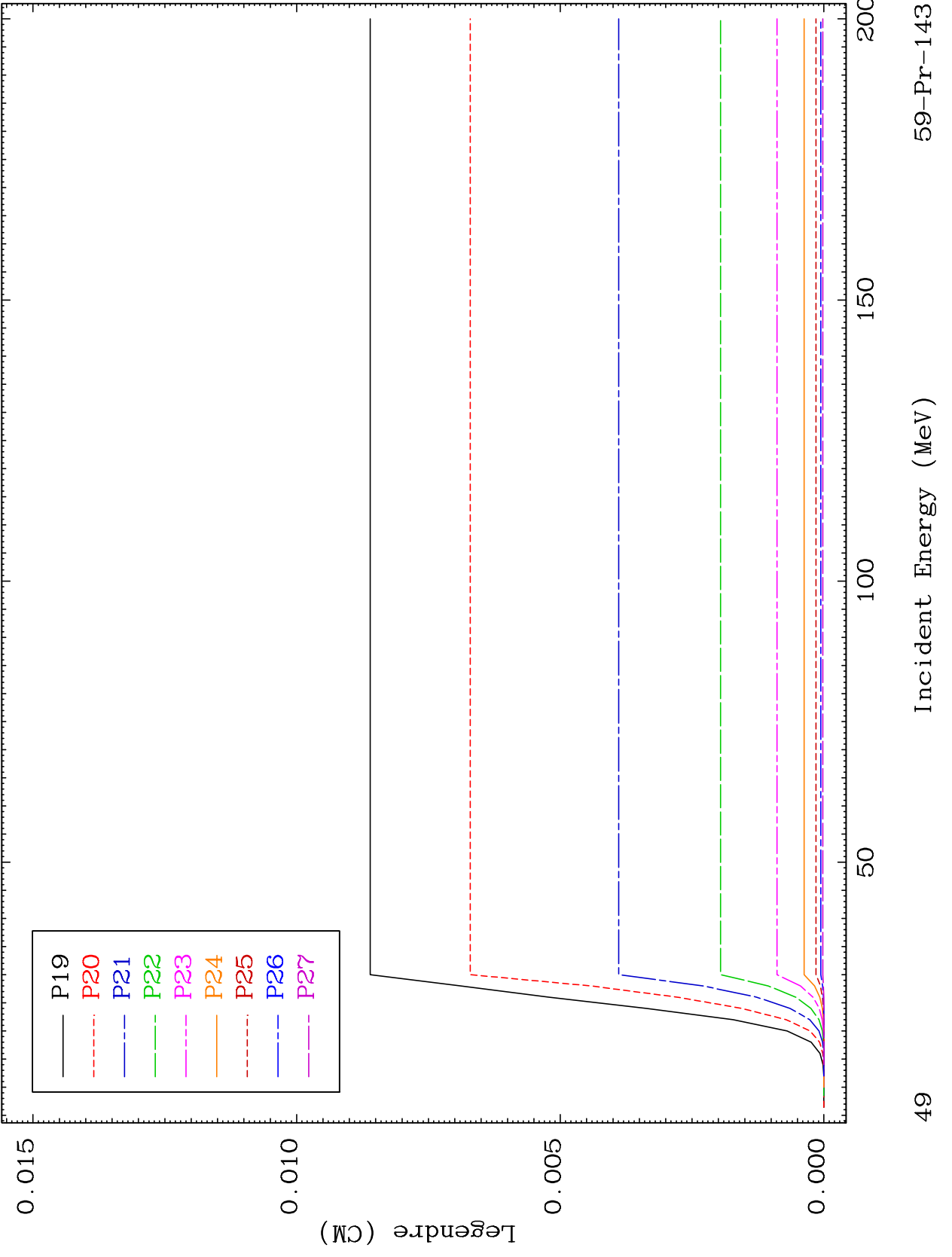
59-Pr-143



48

Incident Energy (MeV)

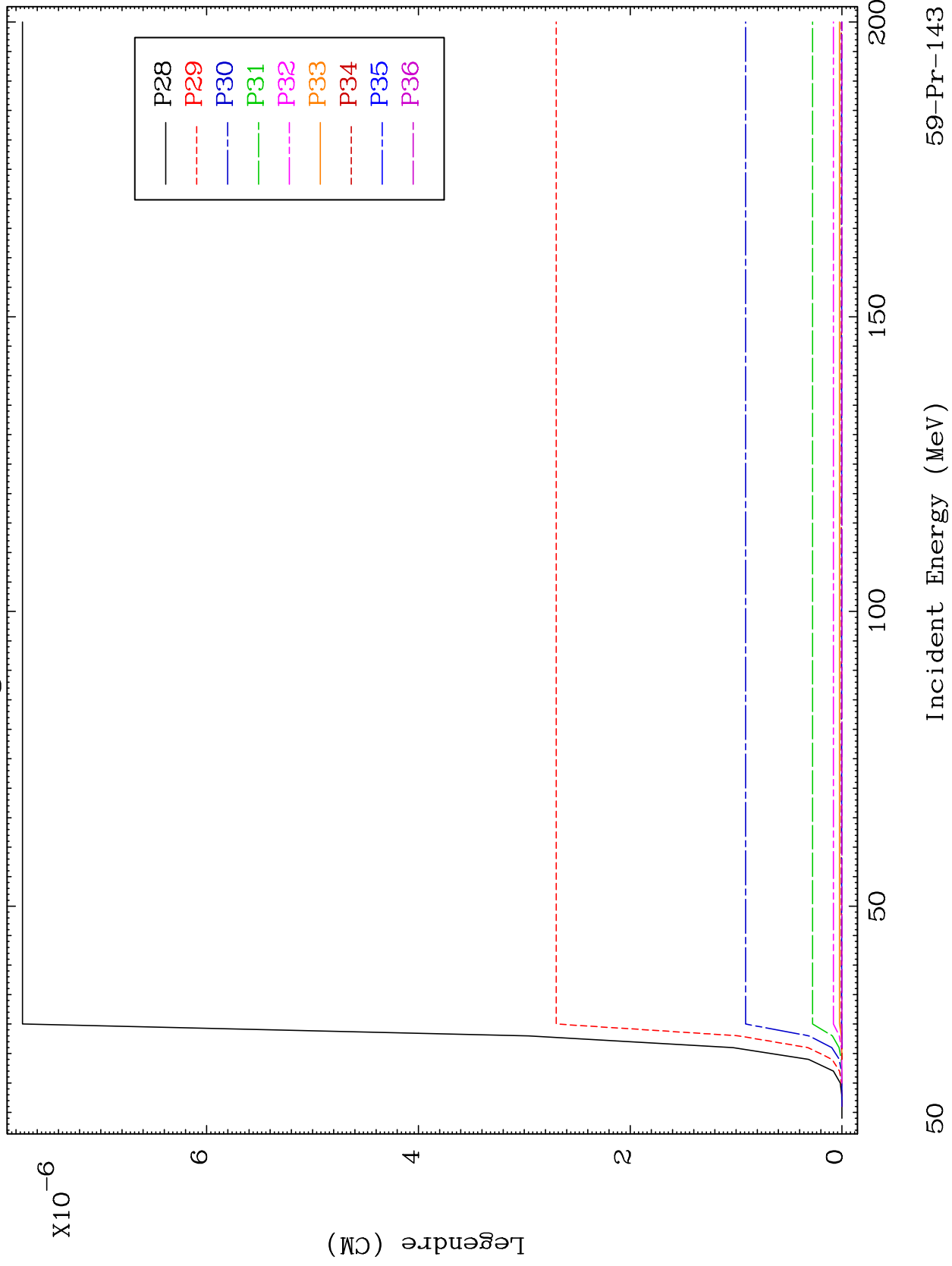
59-Pr-143



MAT 5931

MT= 58 (n,n') Level  
Legendre Coefficients

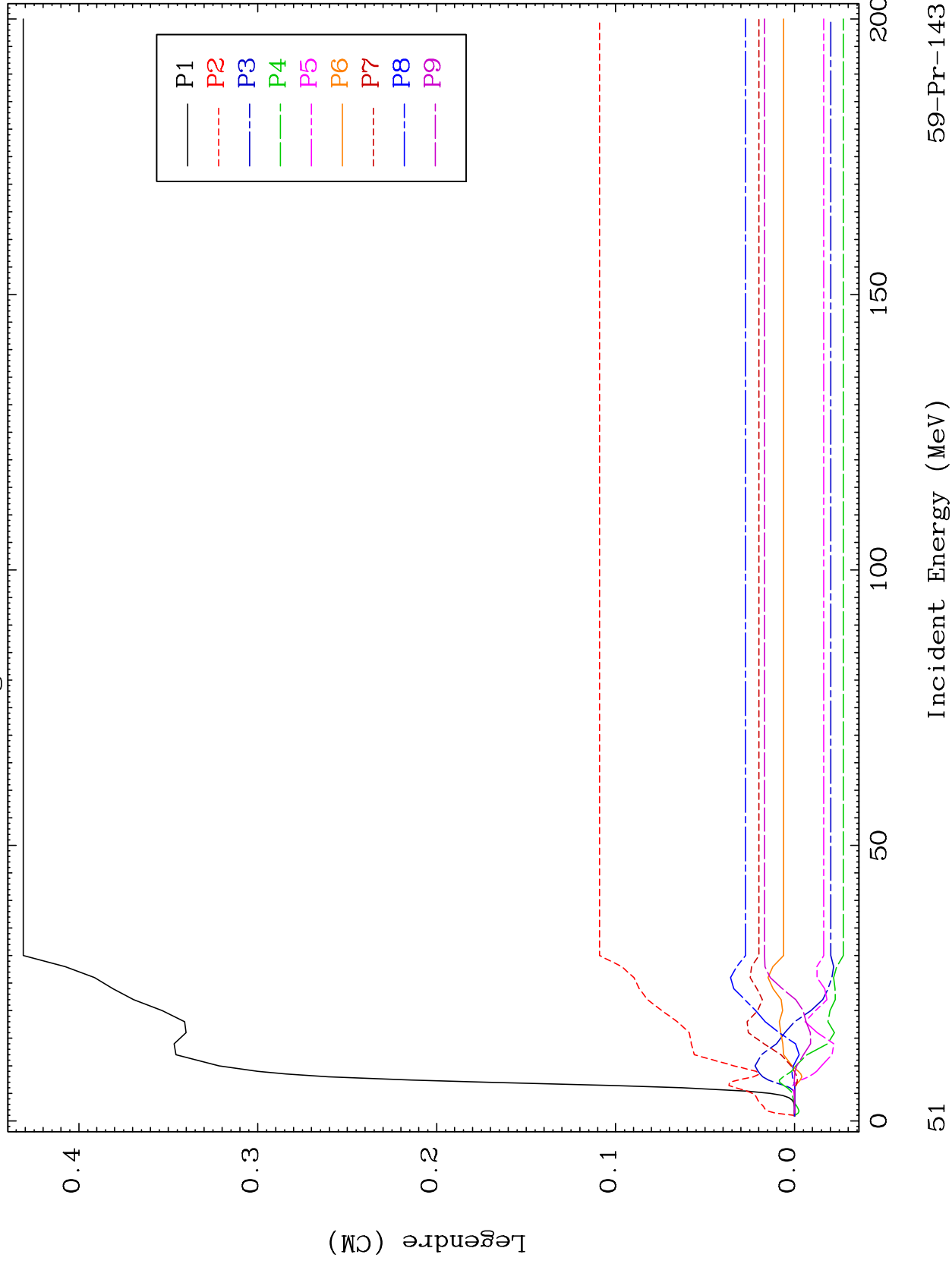
59-Pr-143



MAT 5931

MT= 59 (n,n') Level  
Legendre Coefficients

59-Pr-143



51

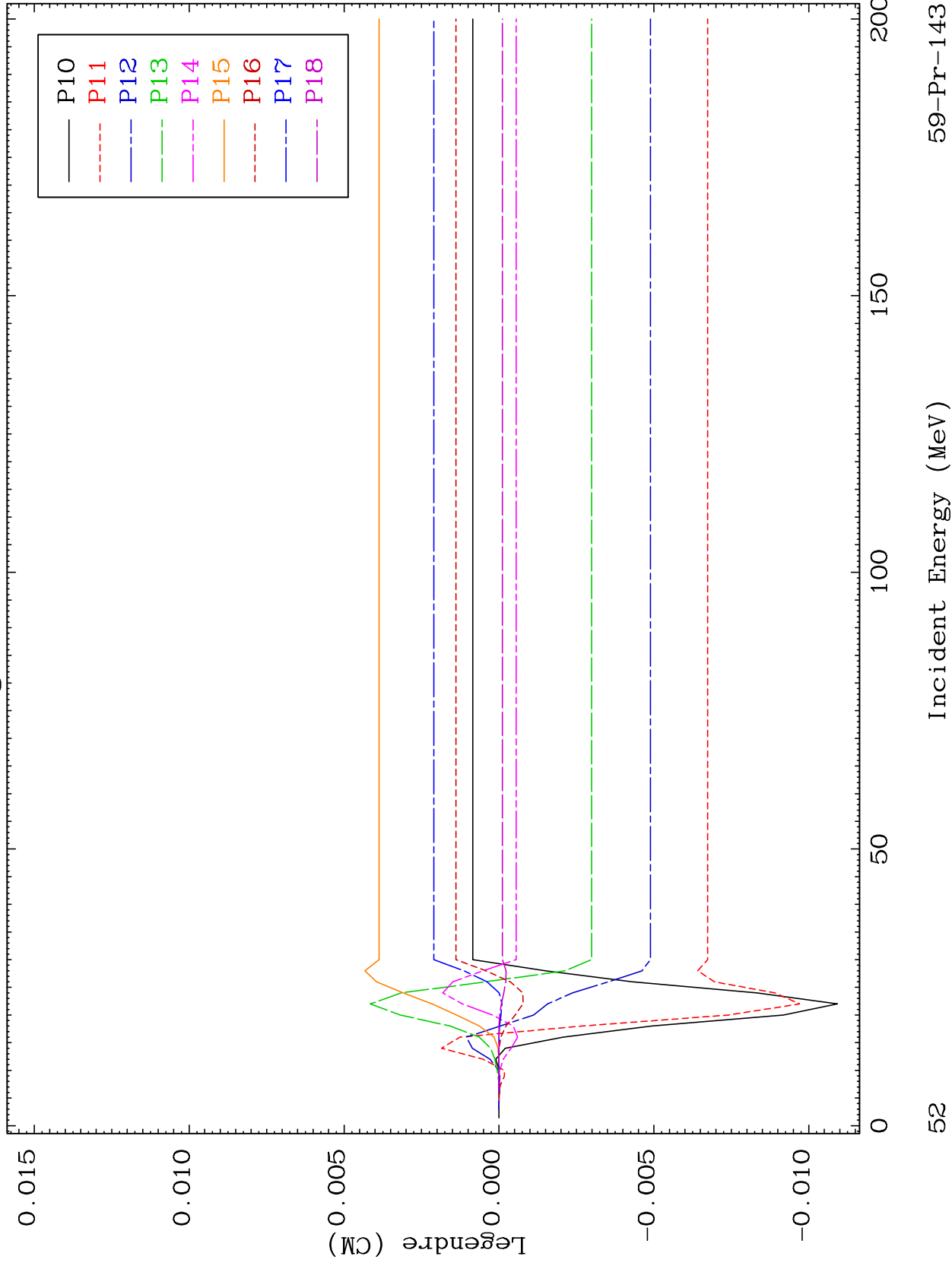
Incident Energy (MeV)

59-Pr-143

MAT 5931

MT= 59 (n,n') Level  
Legendre Coefficients

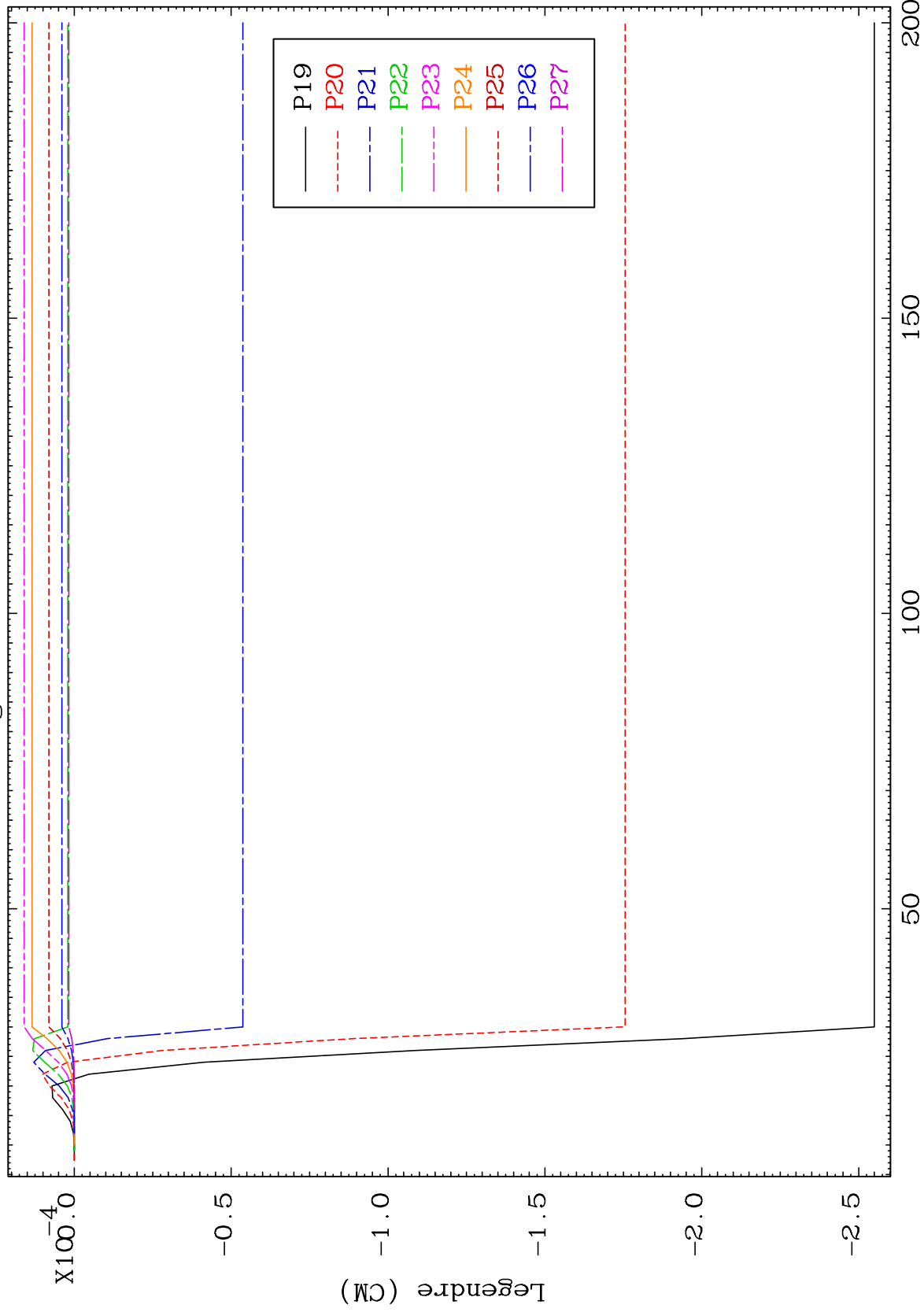
59-Pr-143



59-Pr-143

Incident Energy (MeV)

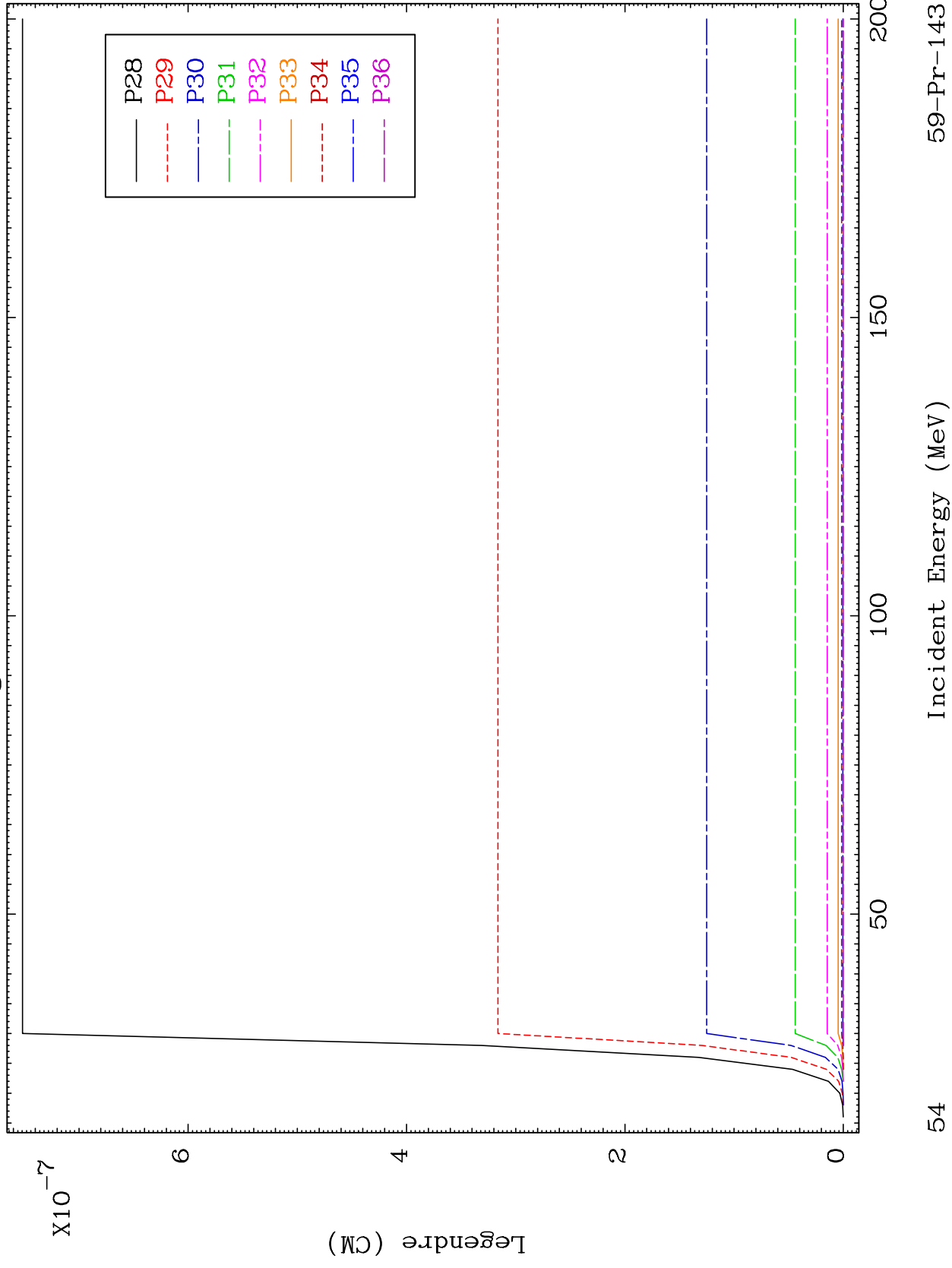
52



MAT 5931

MT= 59 (n,n') Level  
Legendre Coefficients

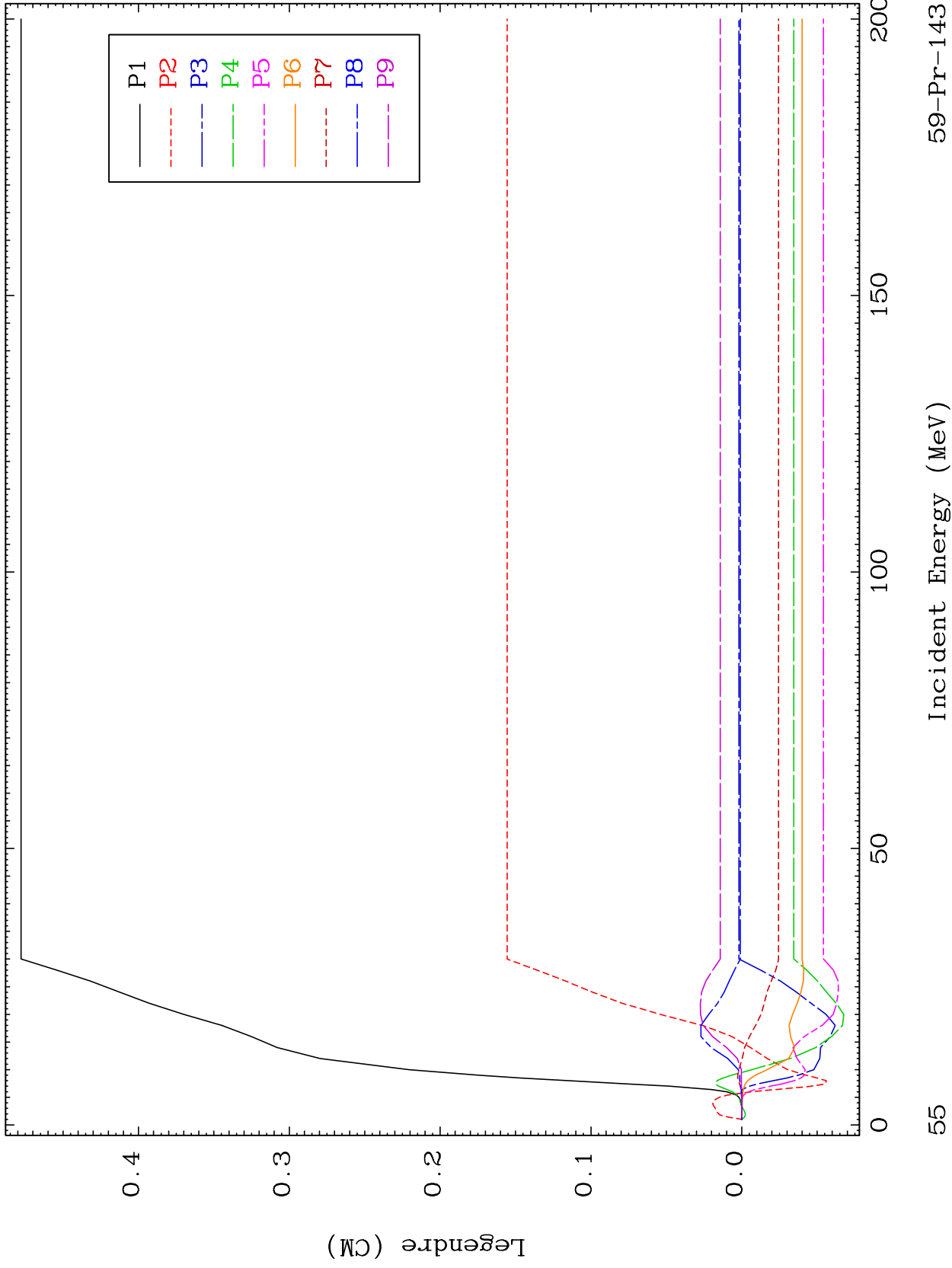
59-Pr-143



MAT 5931

MT= 60 (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

Incident Energy (MeV)

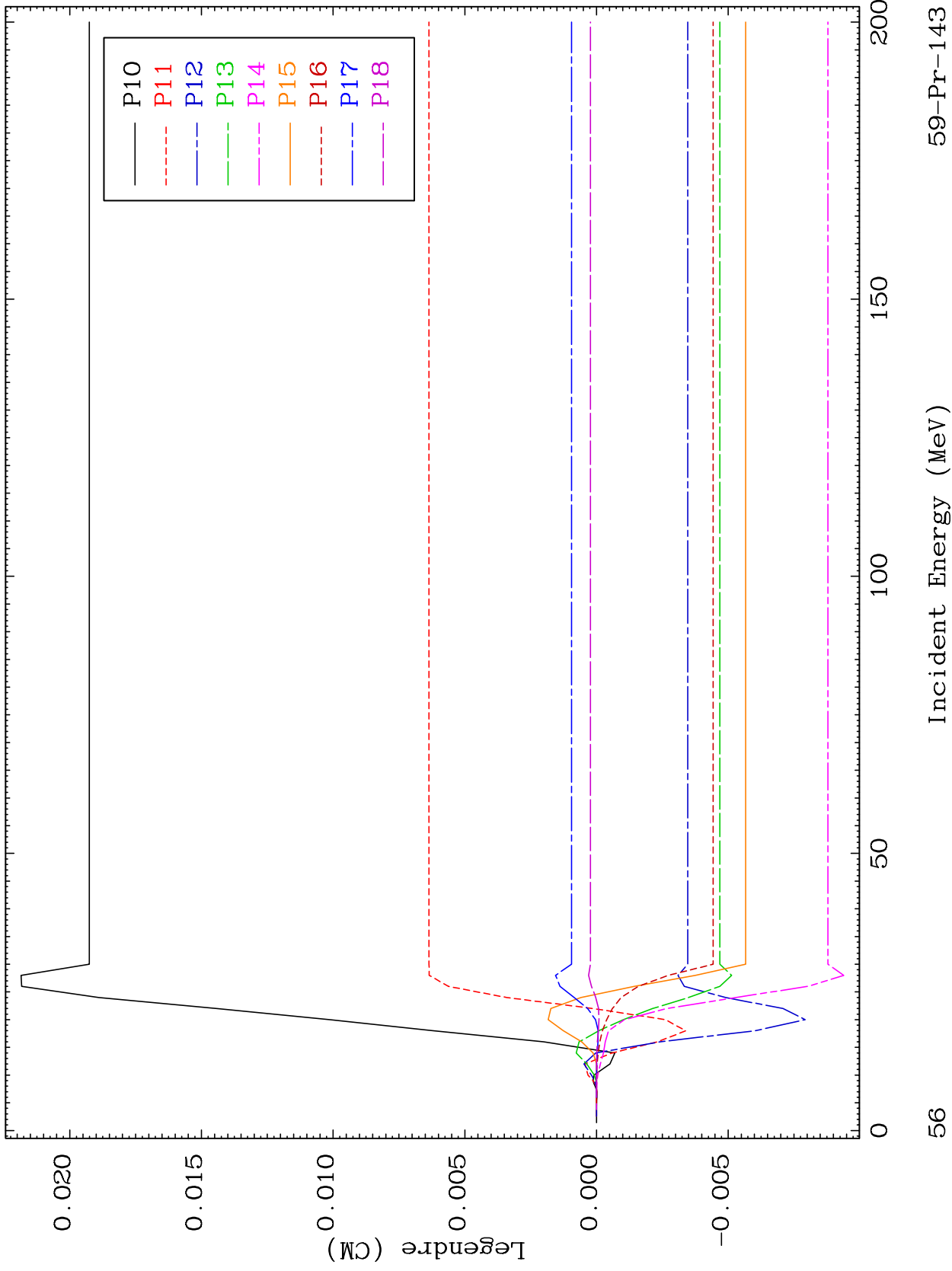
55



MAT 5931

MT= 60 (n,n') Level  
Legendre Coefficients

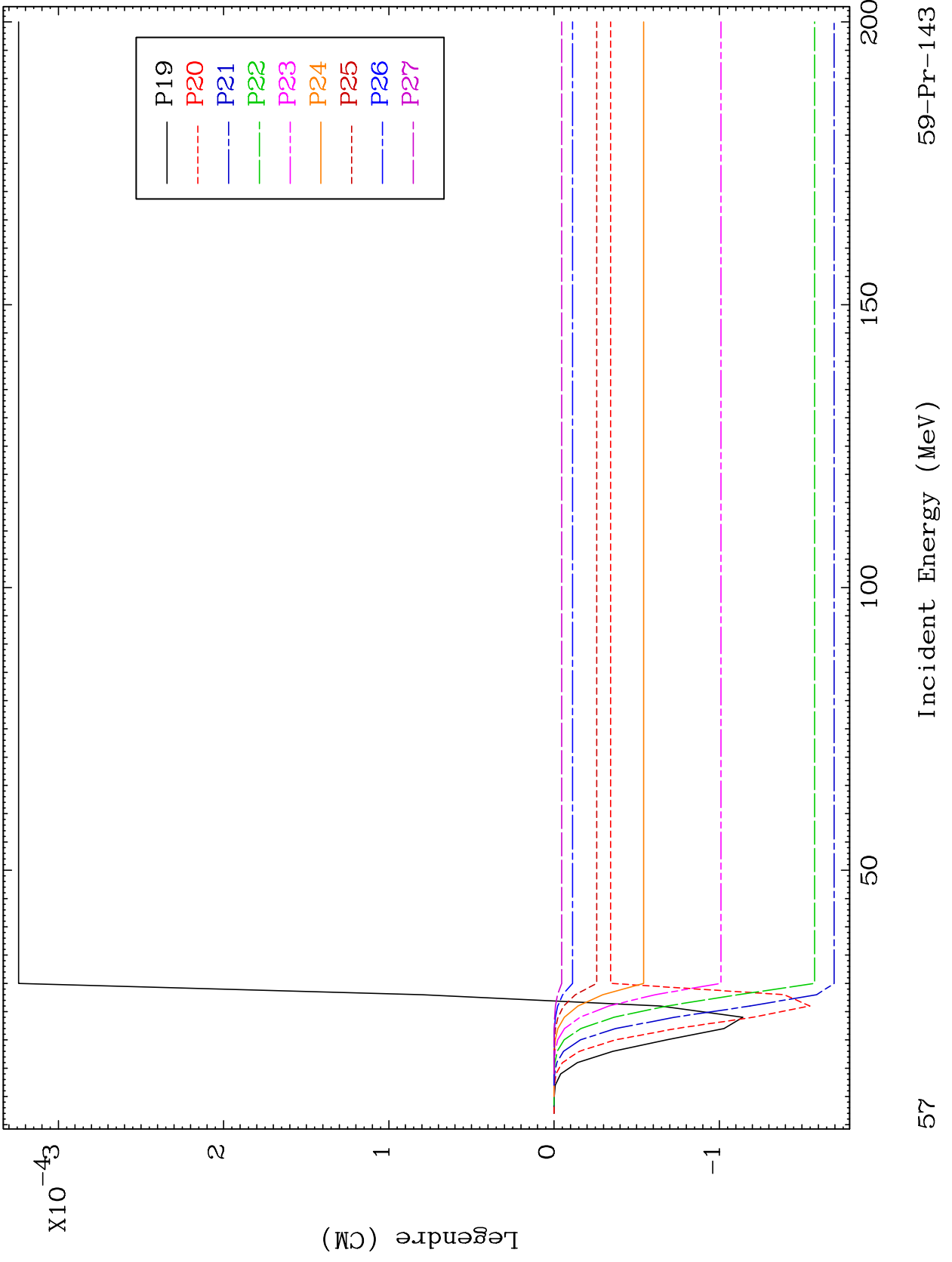
59-Pr-143



56

Incident Energy (MeV)

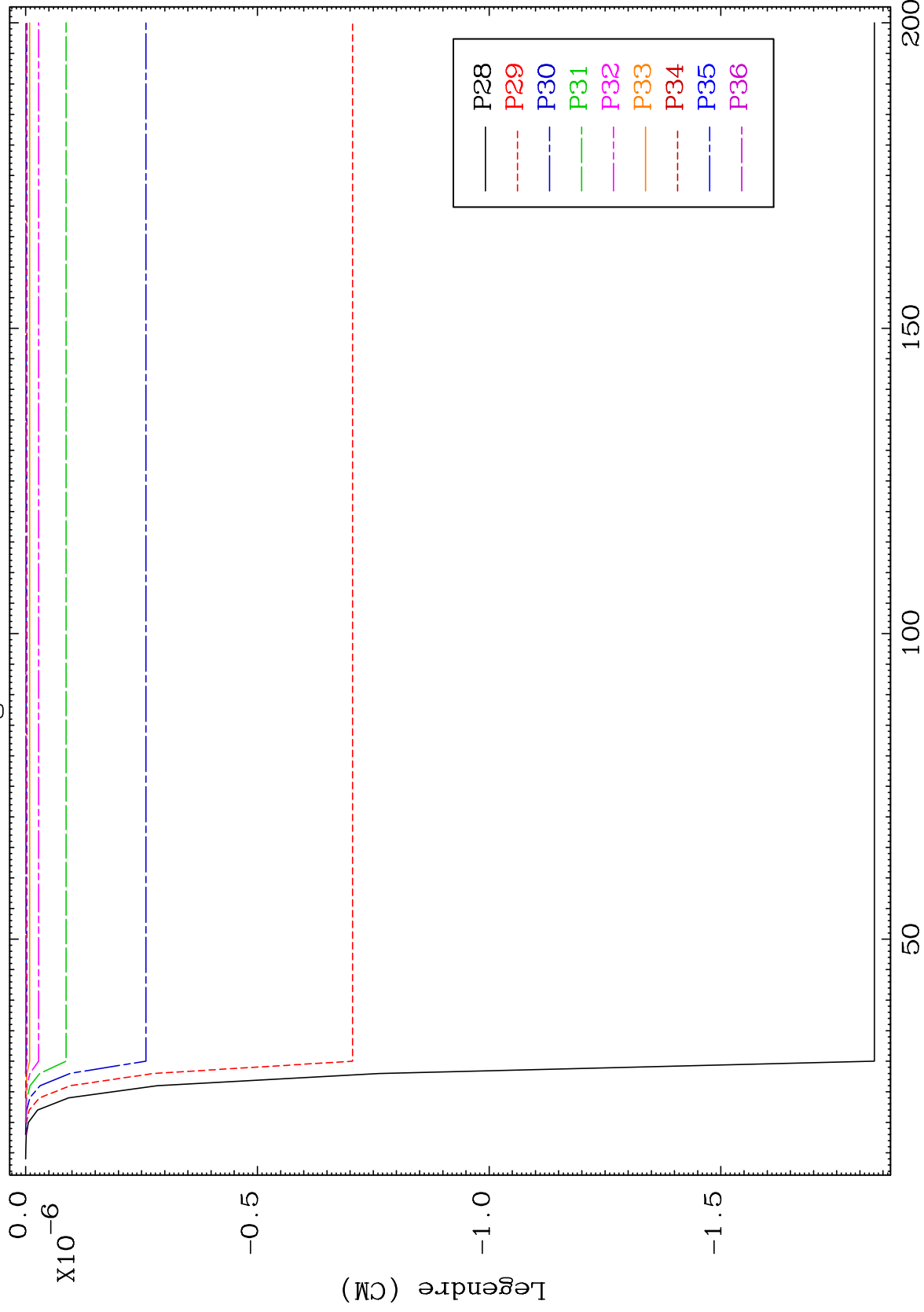
59-Pr-143



MAT 5931

MT= 60 (n,n') Level  
Legendre Coefficients

59-Pr-143



58

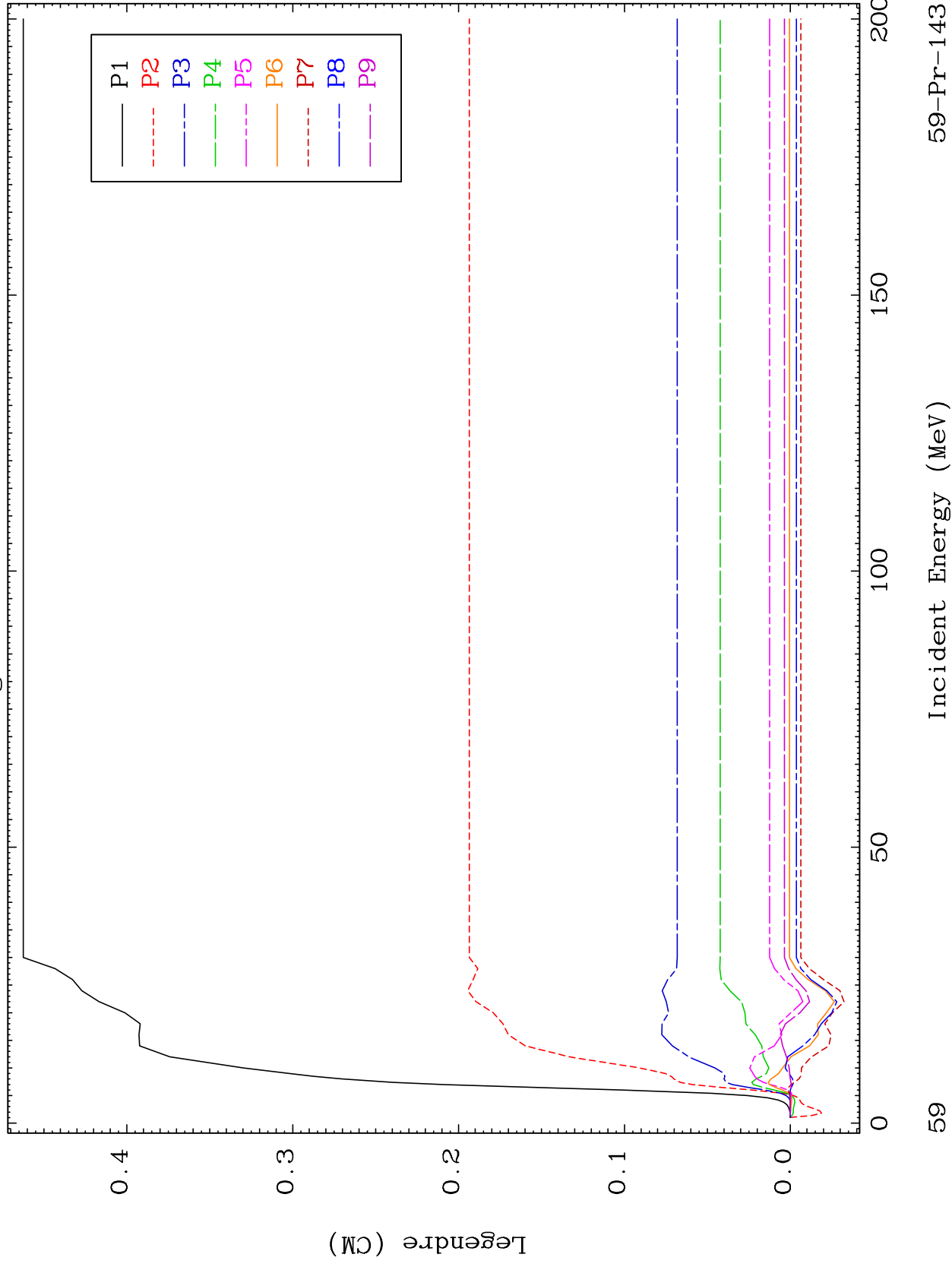
Incident Energy (MeV)

59-Pr-143

MAT 5931

MT= 61 (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

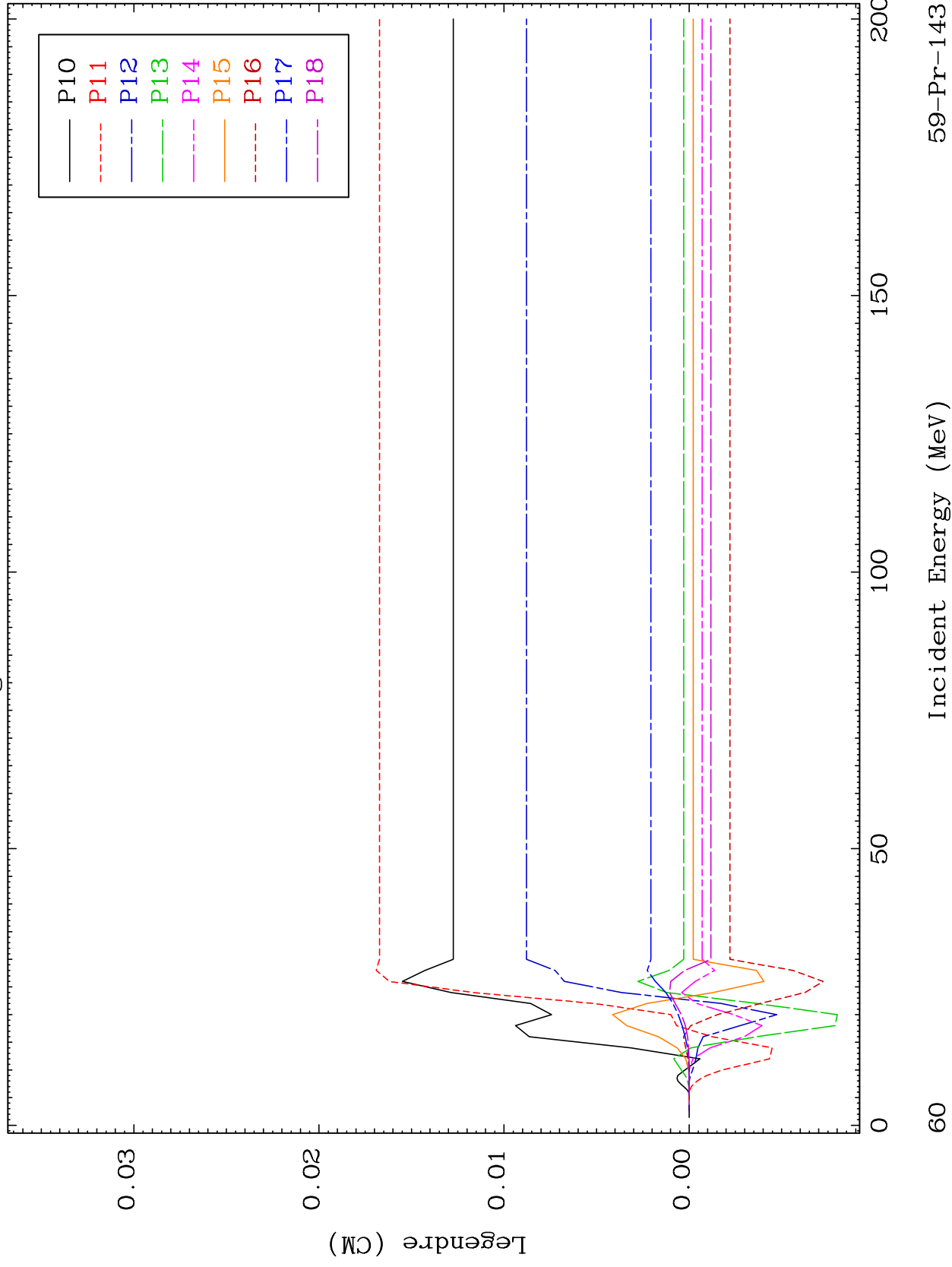
Incident Energy (MeV)

59

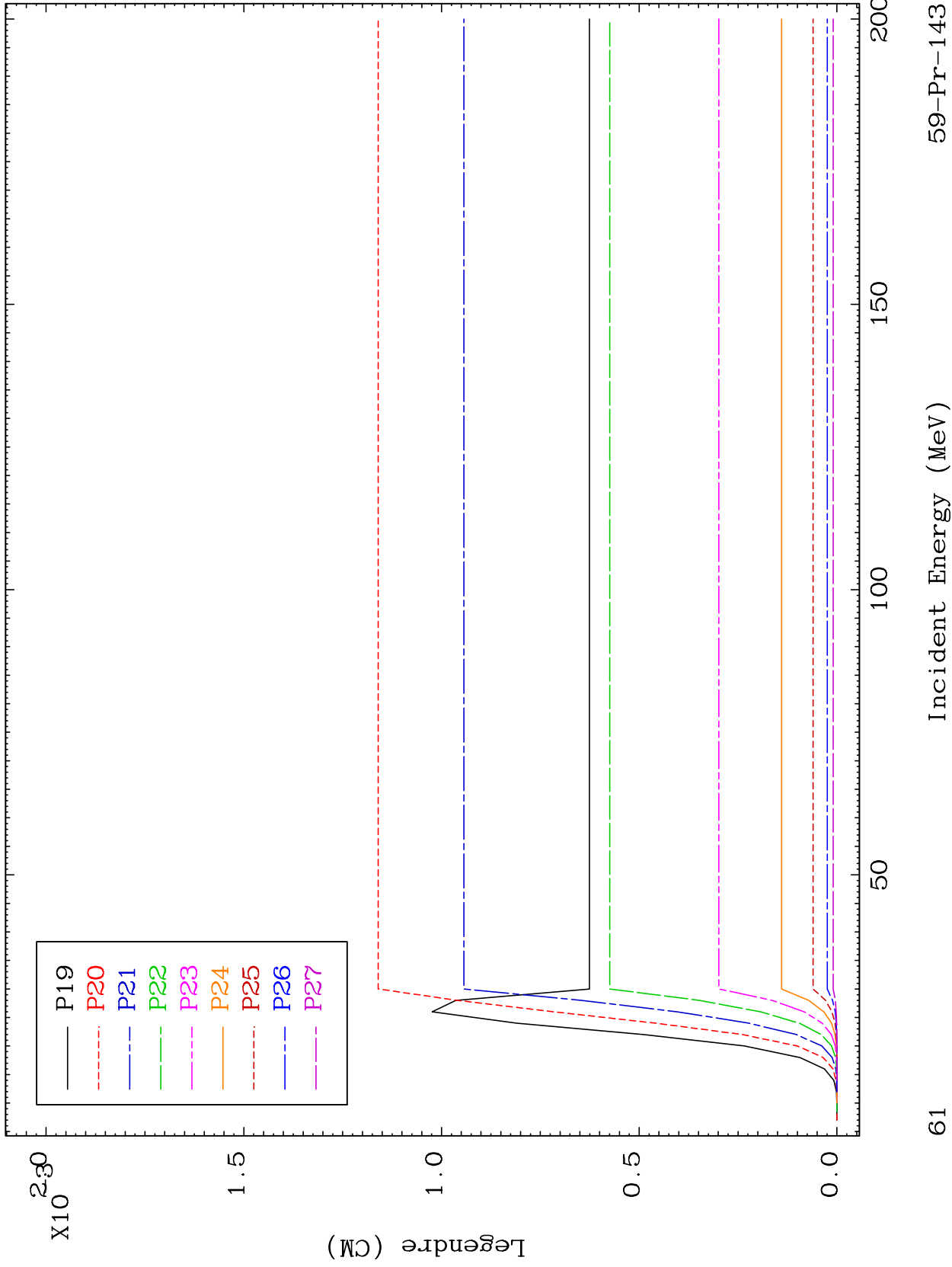
MAT 5931

MT= 61 (n,n') Level  
Legendre Coefficients

59-Pr-143



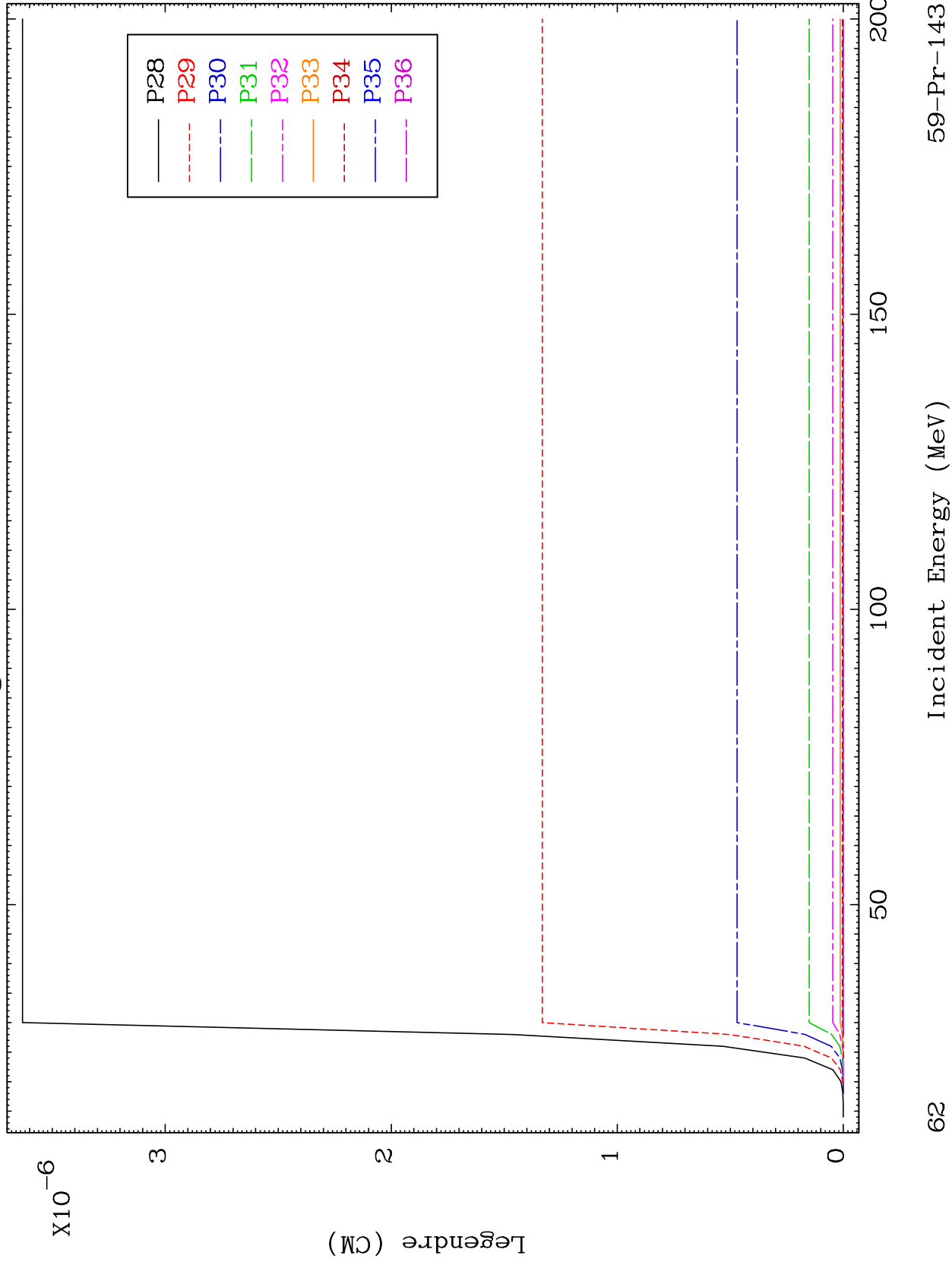
59-Pr-143



MAT 5931

MT= 61 (n,n') Level  
Legendre Coefficients

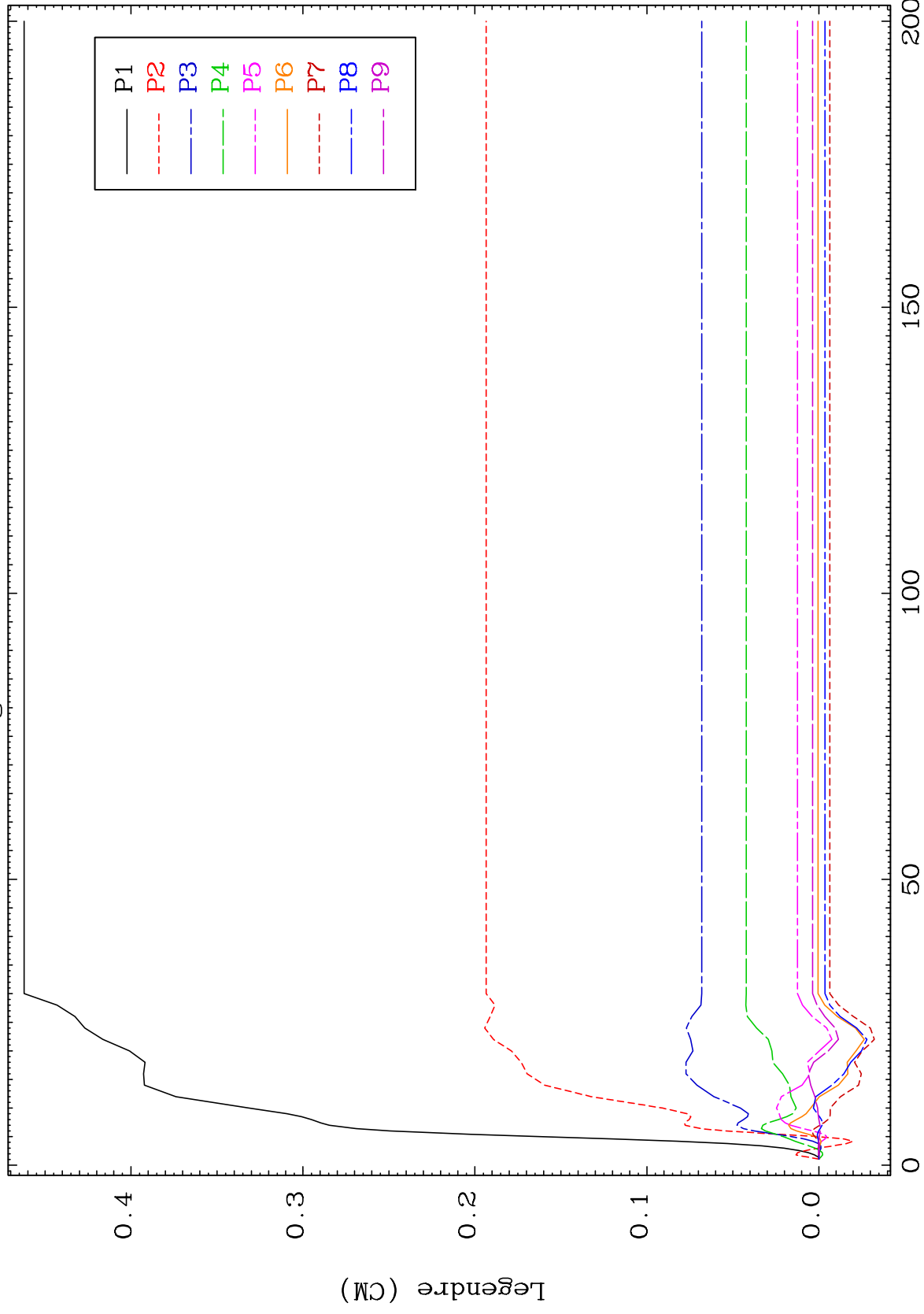
59-Pr-143



MAT 5931

MT= 62 (n,n') Level  
Legendre Coefficients

59-Pr-143



63

Incident Energy (MeV)

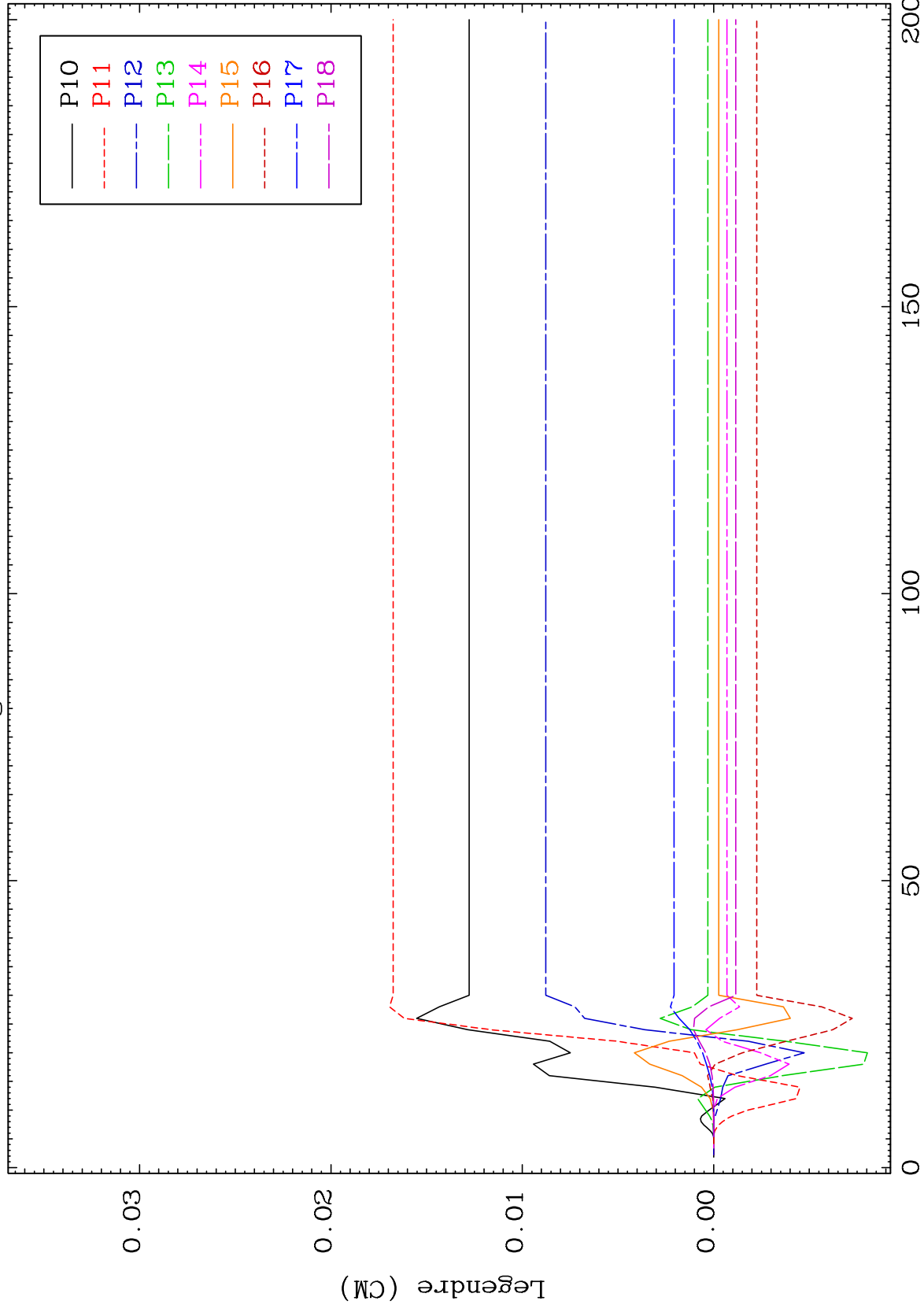
59-Pr-143



MAT 5931

MT= 62 (n,n') Level  
Legendre Coefficients

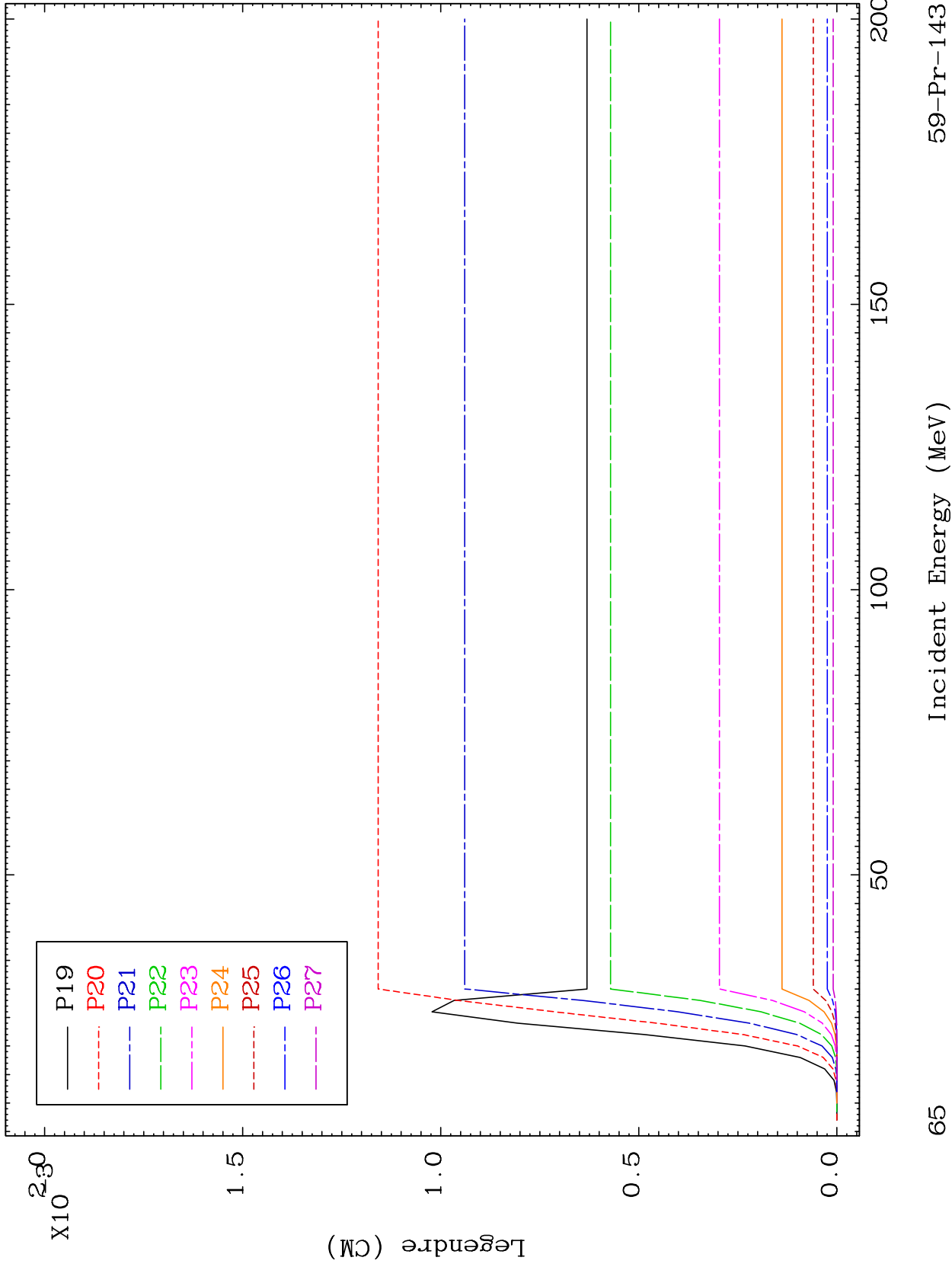
59-Pr-143



64

Incident Energy (MeV)

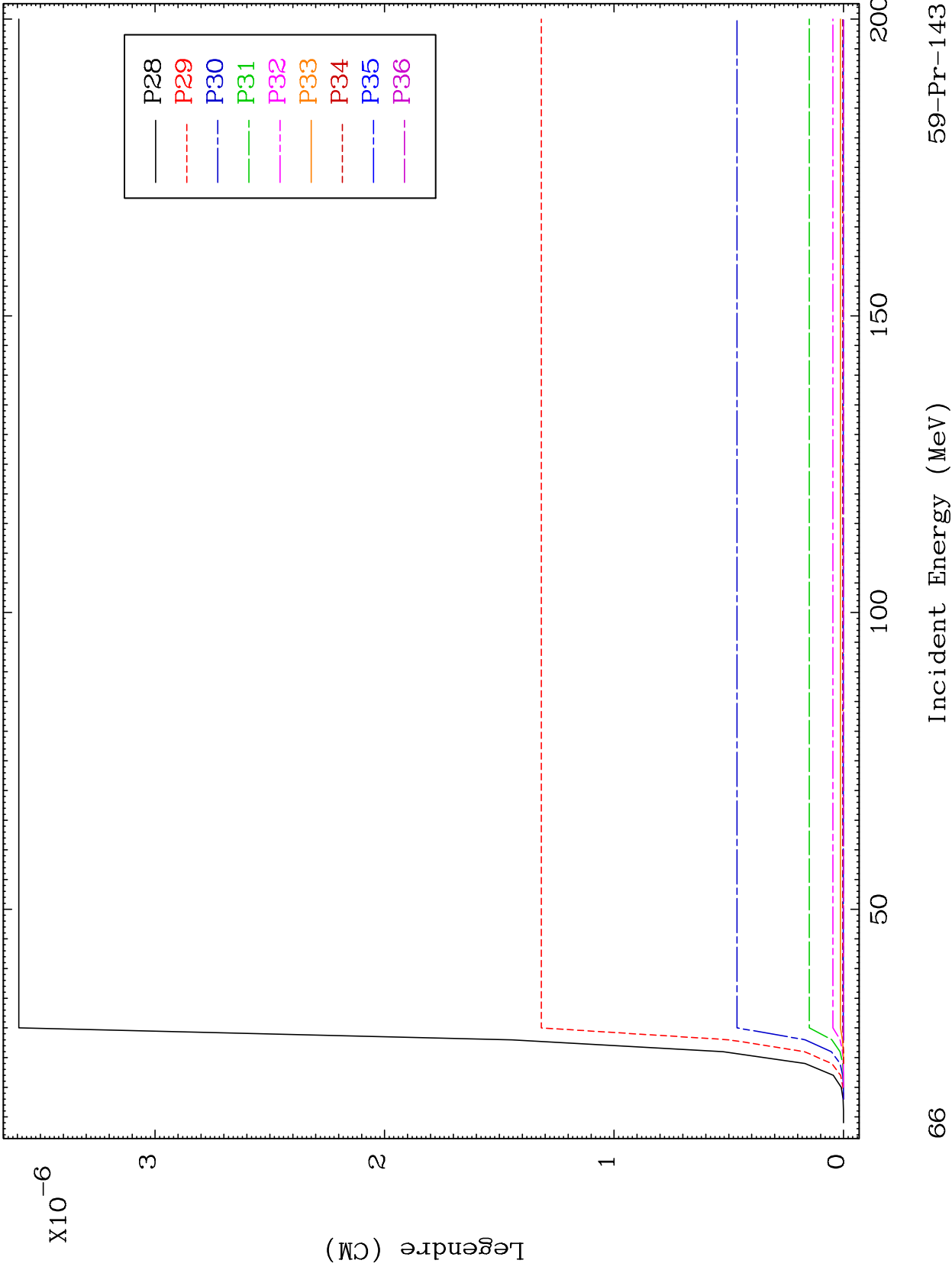
59-Pr-143



MAT 5931

MT= 62 (n,n') Level  
Legendre Coefficients

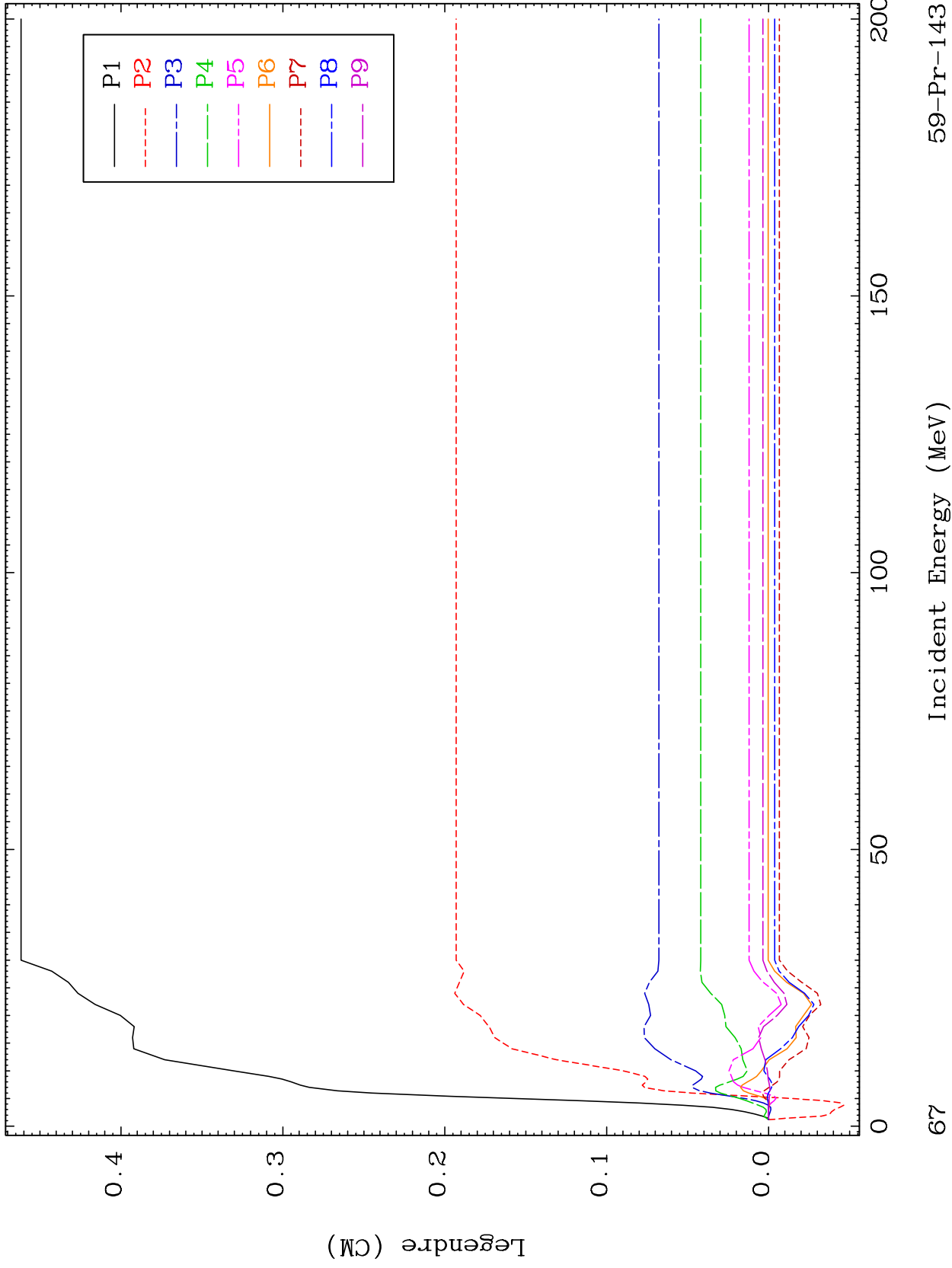
59-Pr-143



MAT 5931

MT= 63 (n,n') Level  
Legendre Coefficients

59-Pr-143



59-Pr-143

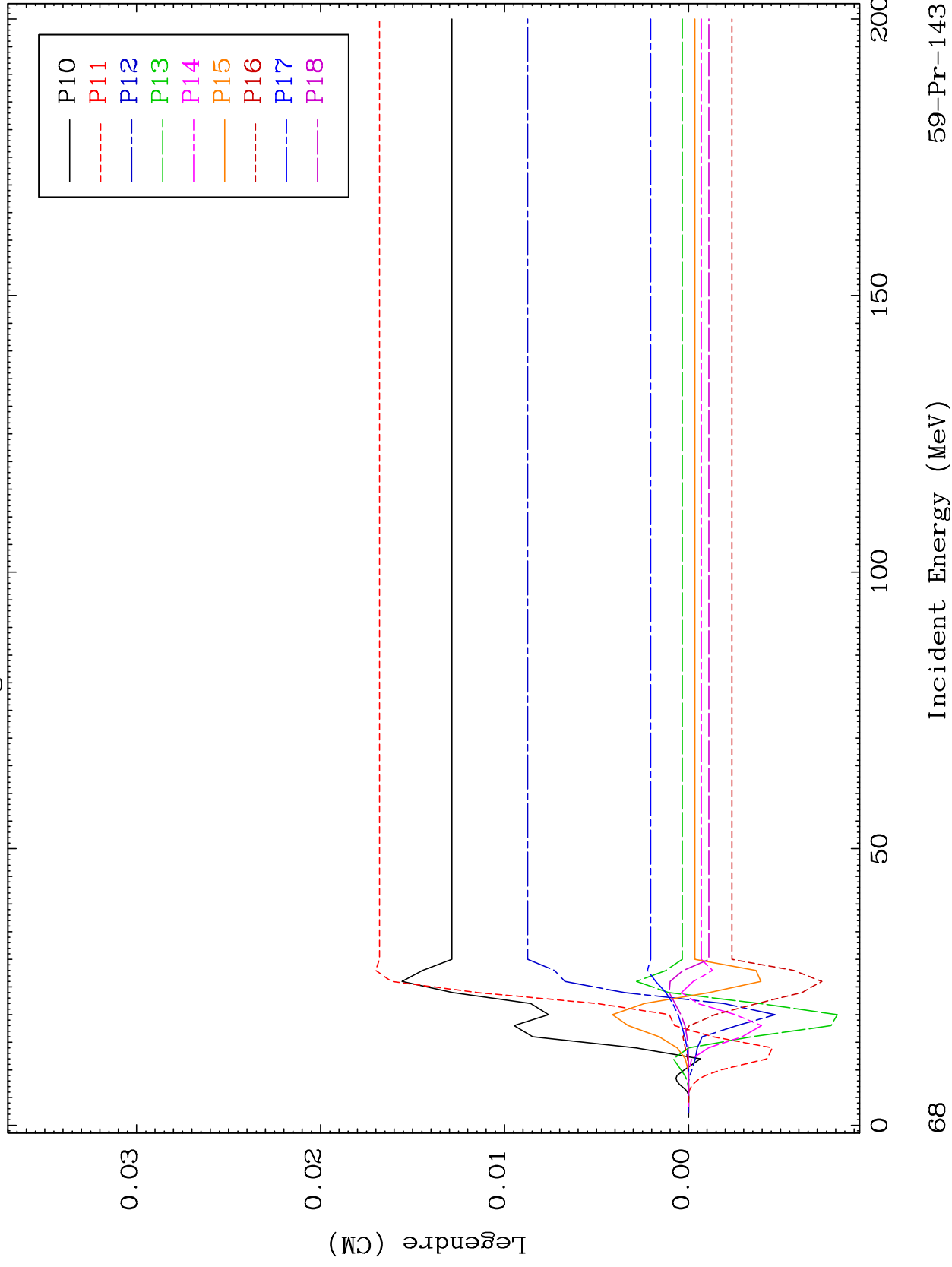
Incident Energy (MeV)

67

MAT 5931

MT= 63 (n,n') Level  
Legendre Coefficients

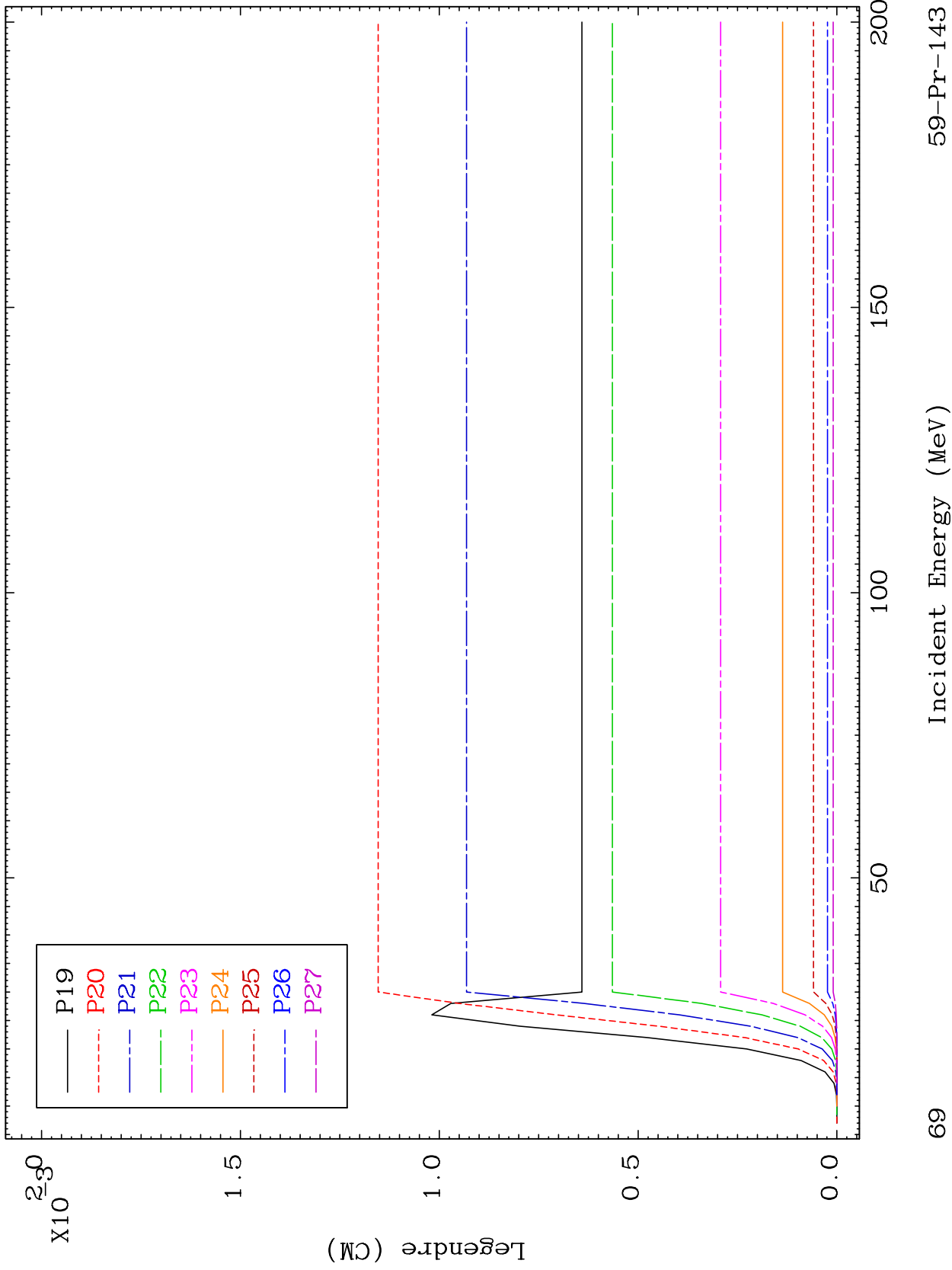
59-Pr-143



59-Pr-143

Incident Energy (MeV)

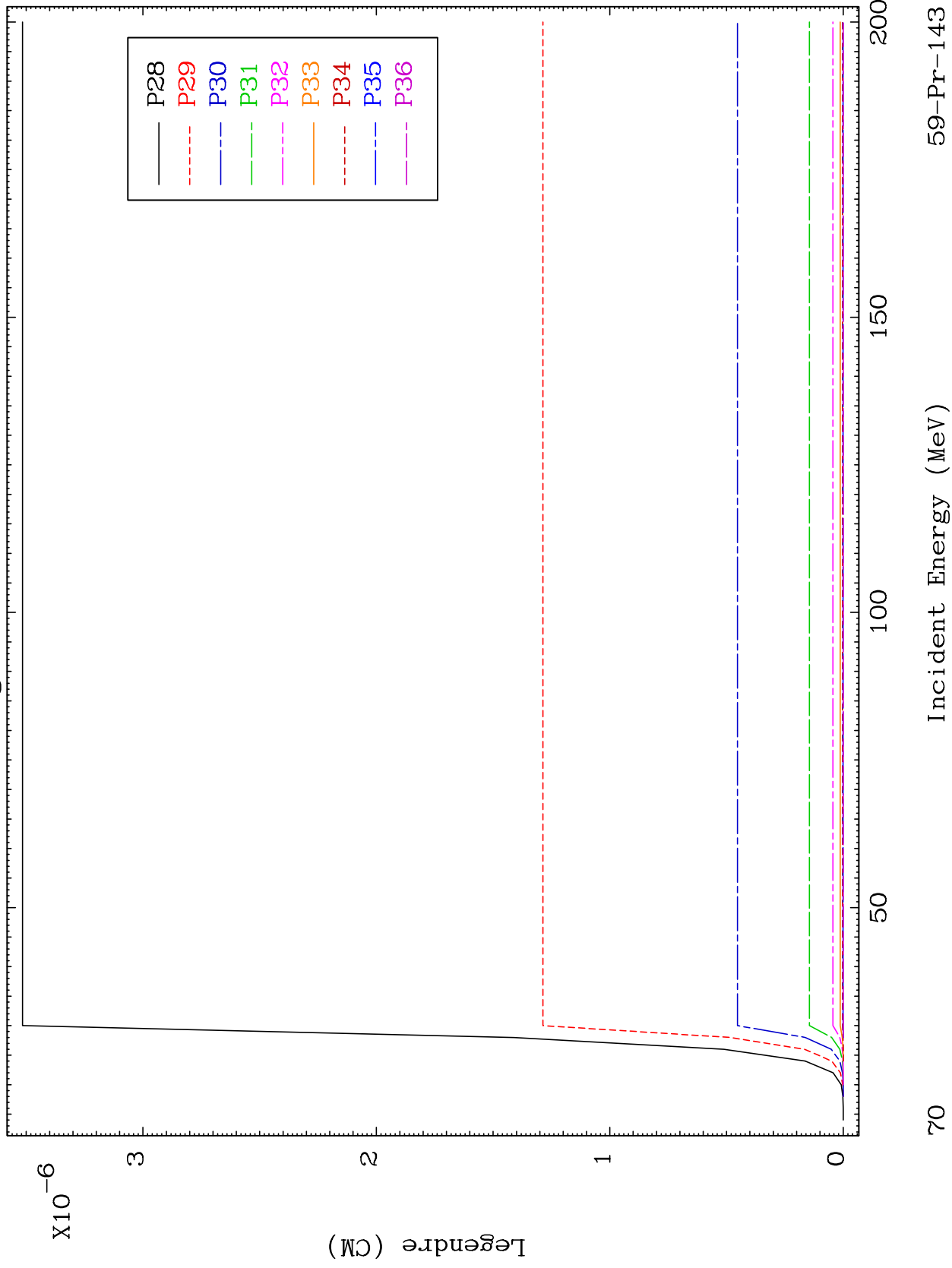
68



MAT 5931

MT= 63 (n,n') Level  
Legendre Coefficients

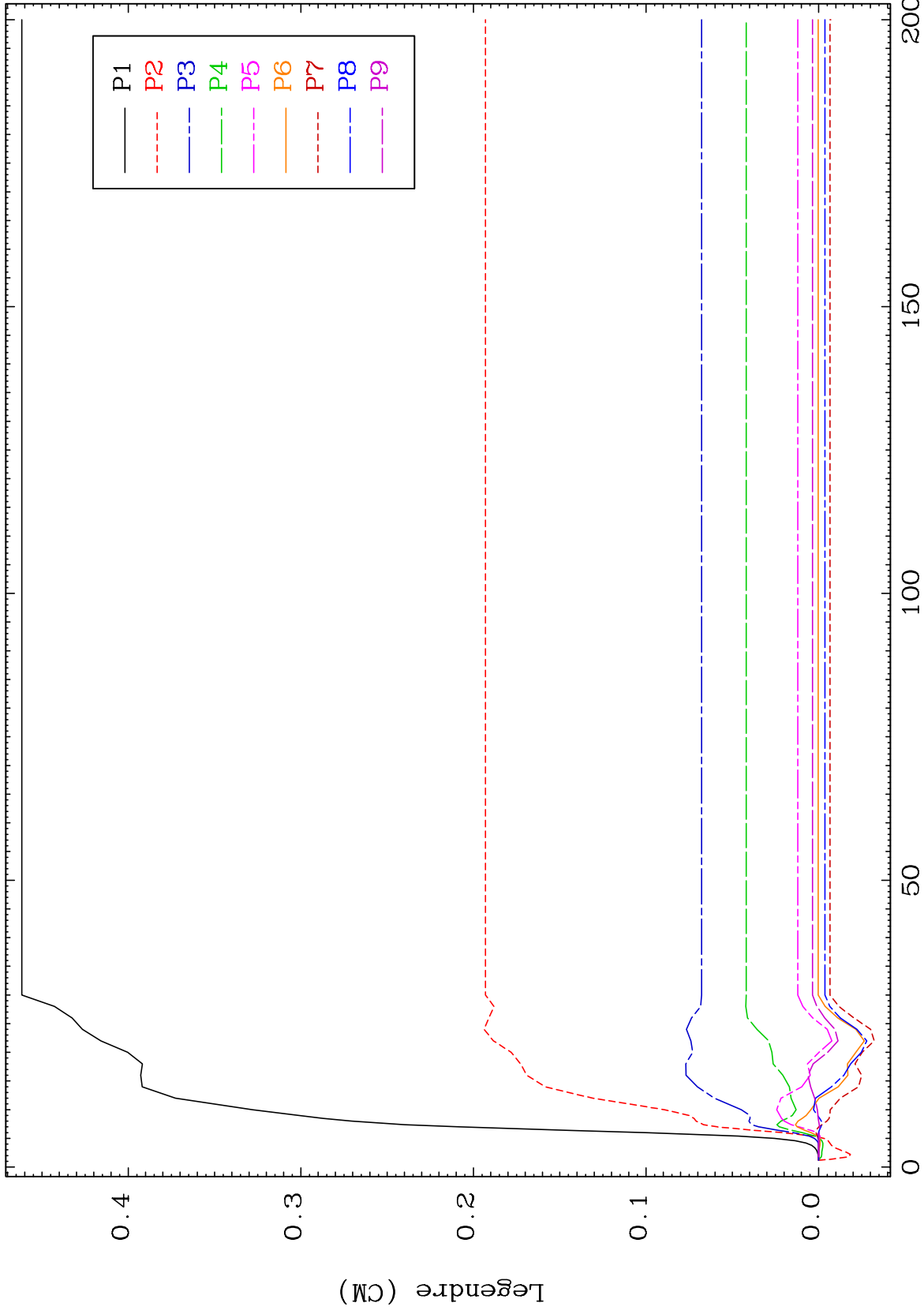
59-Pr-143



59-Pr-143

Incident Energy (MeV)

70

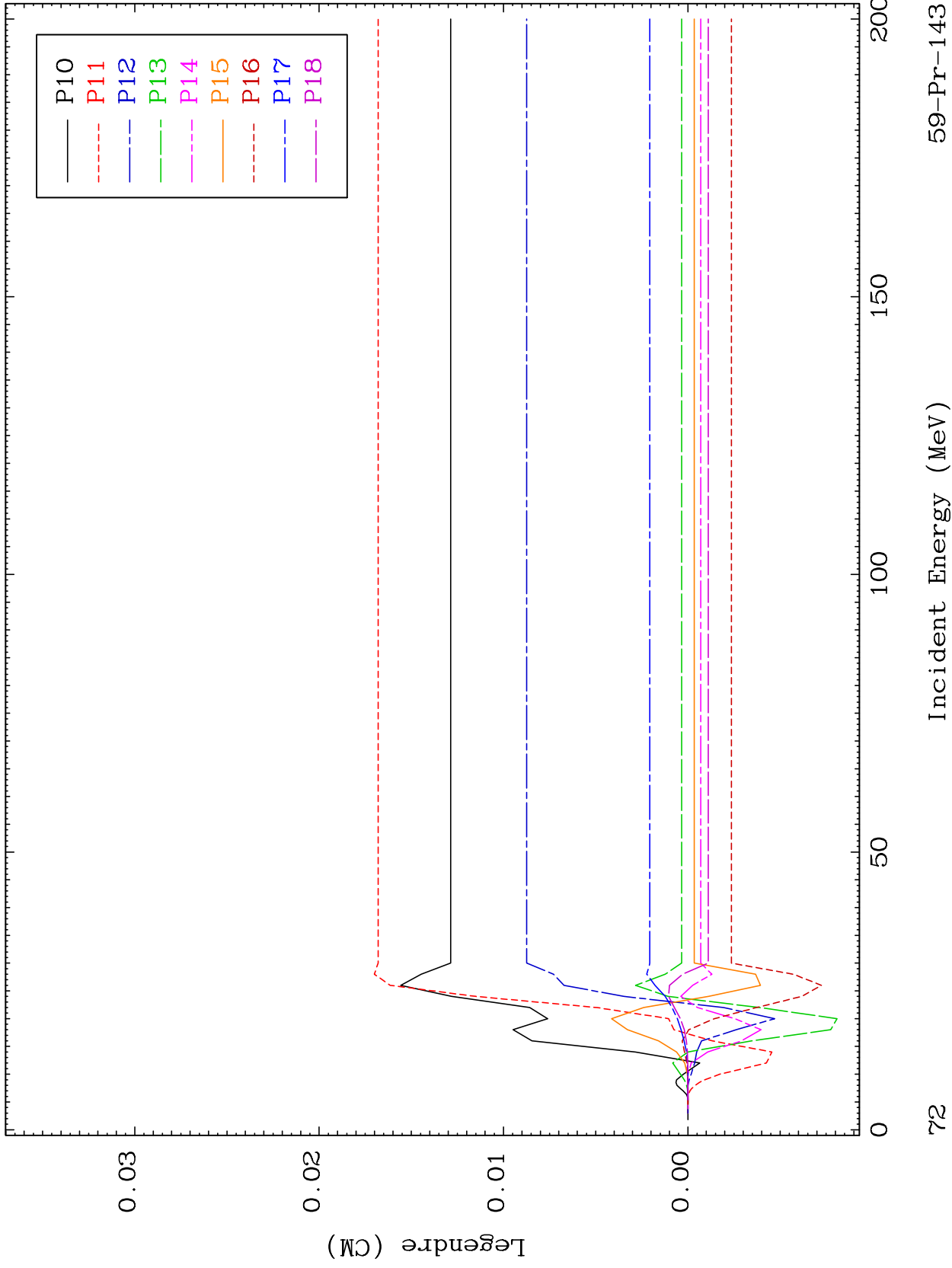




MAT 5931

MT= 64 (n,n') Level  
Legendre Coefficients

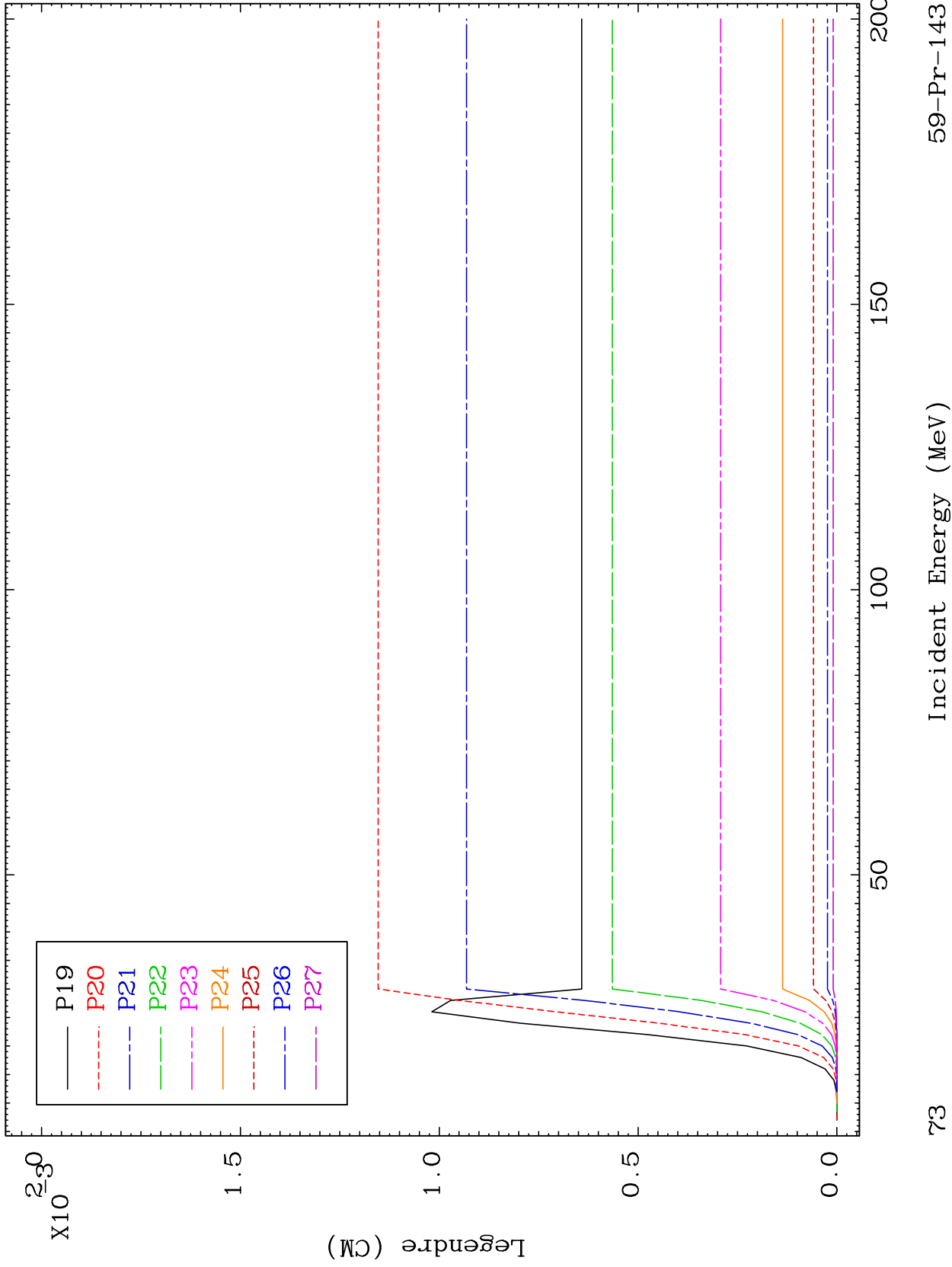
59-Pr-143



59-Pr-143

Incident Energy (MeV)

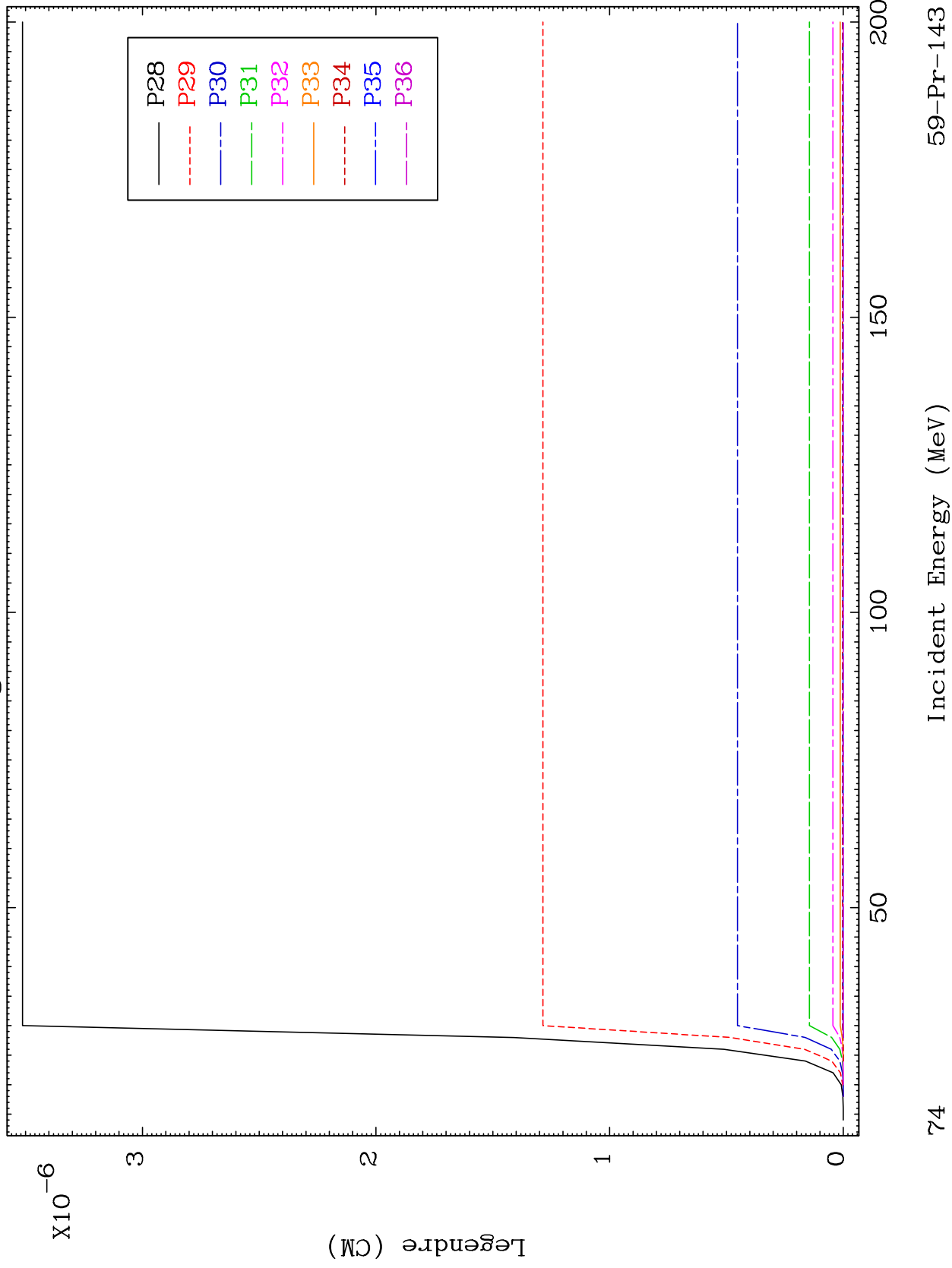
72



MAT 5931

MT= 64 (n,n') Level  
Legendre Coefficients

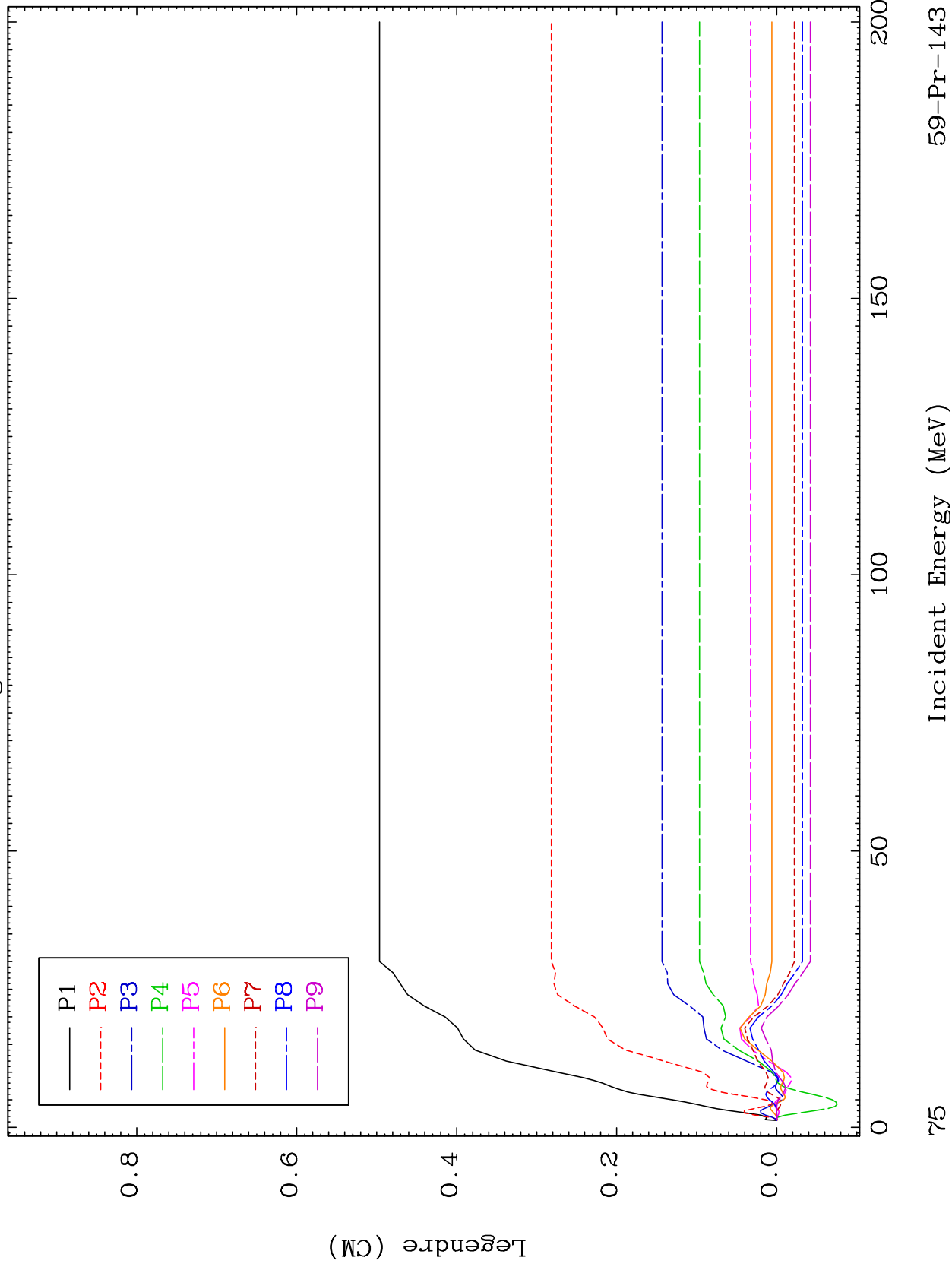
59-Pr-143



MAT 5931

MT= 65 (n,n') Level  
Legendre Coefficients

59-Pr-143

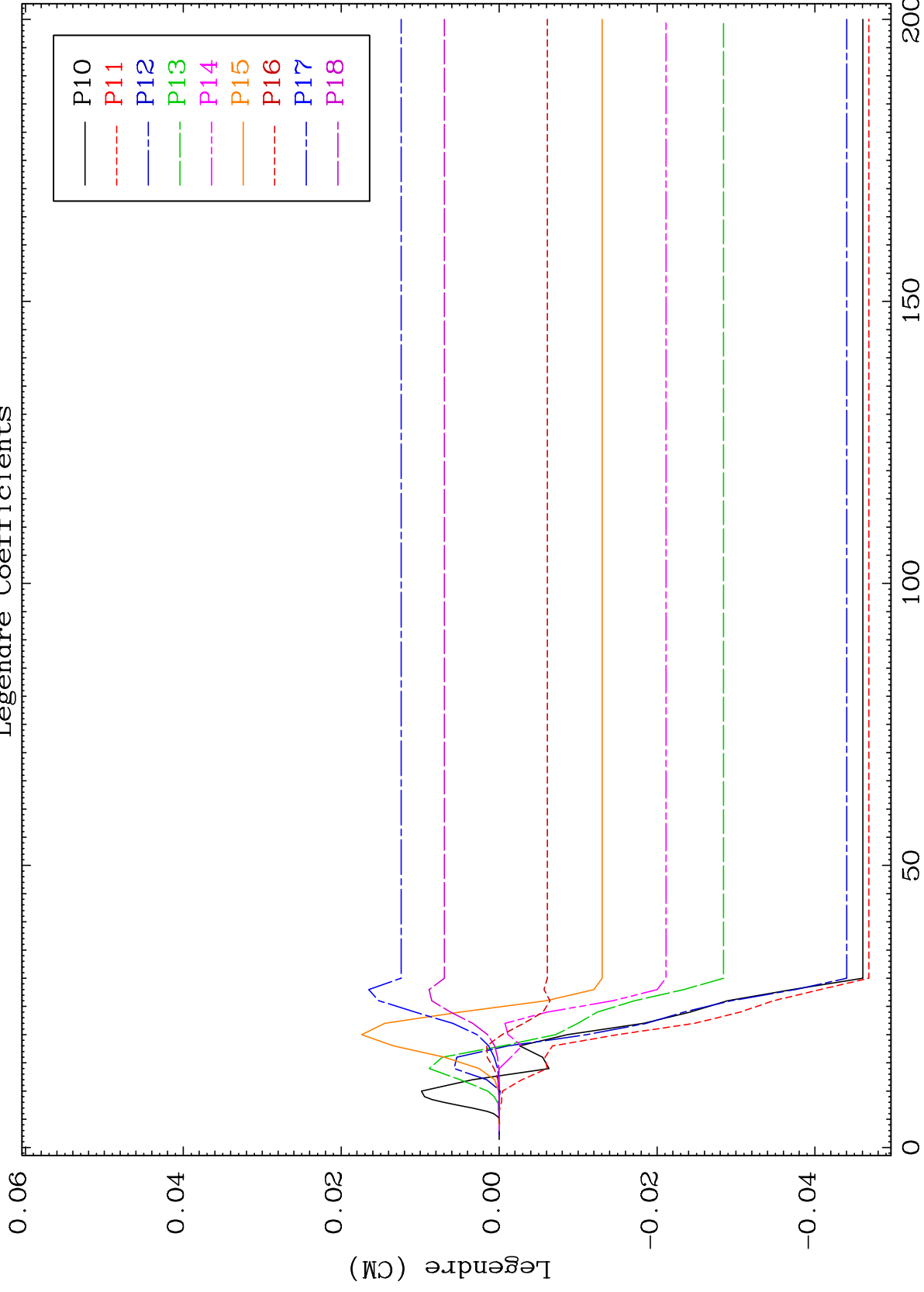


59-Pr-143

MAT 5931

MT= 65 (n,n') Level  
Legendre Coefficients

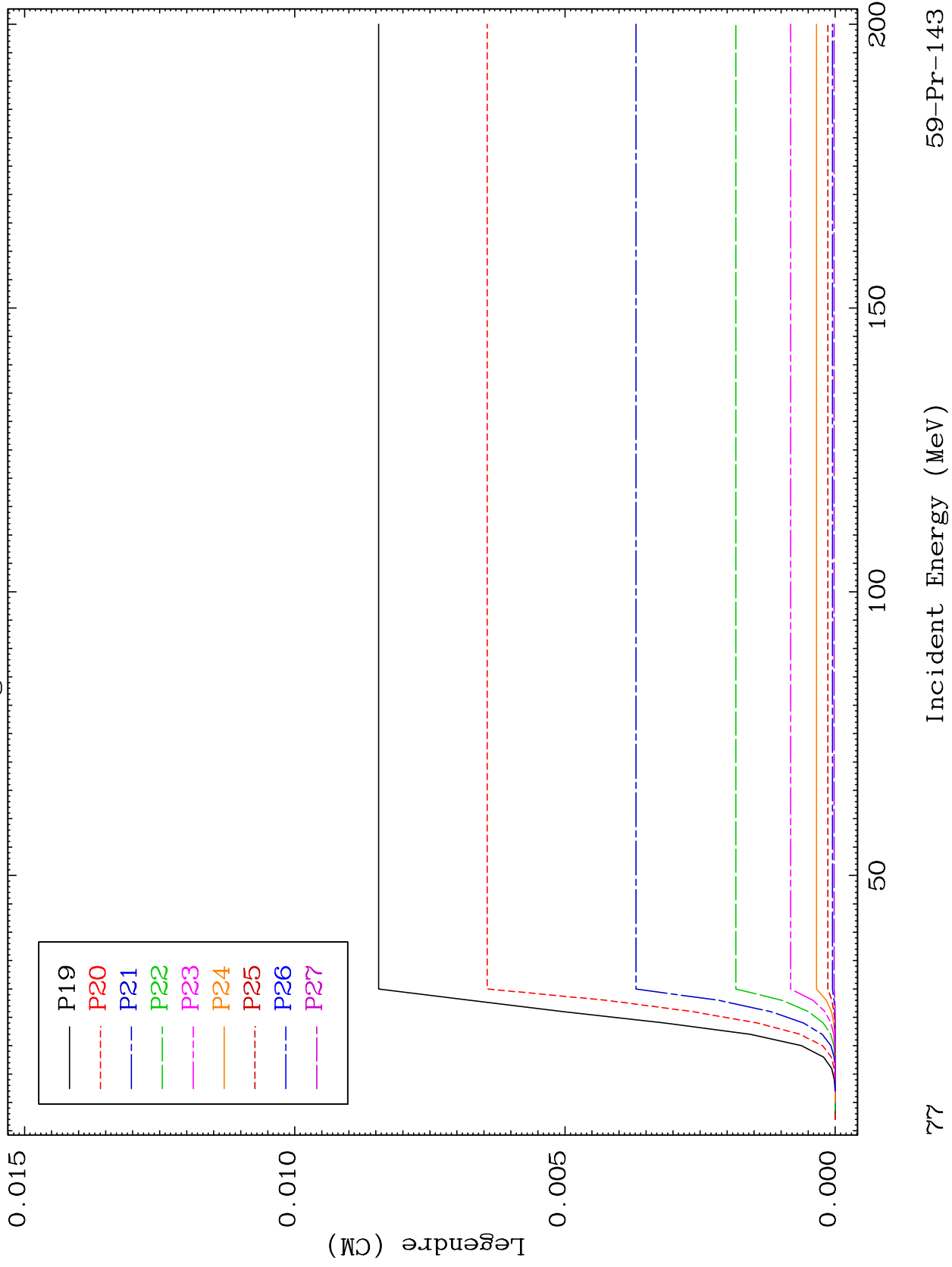
59-Pr-143



76

Incident Energy (MeV)

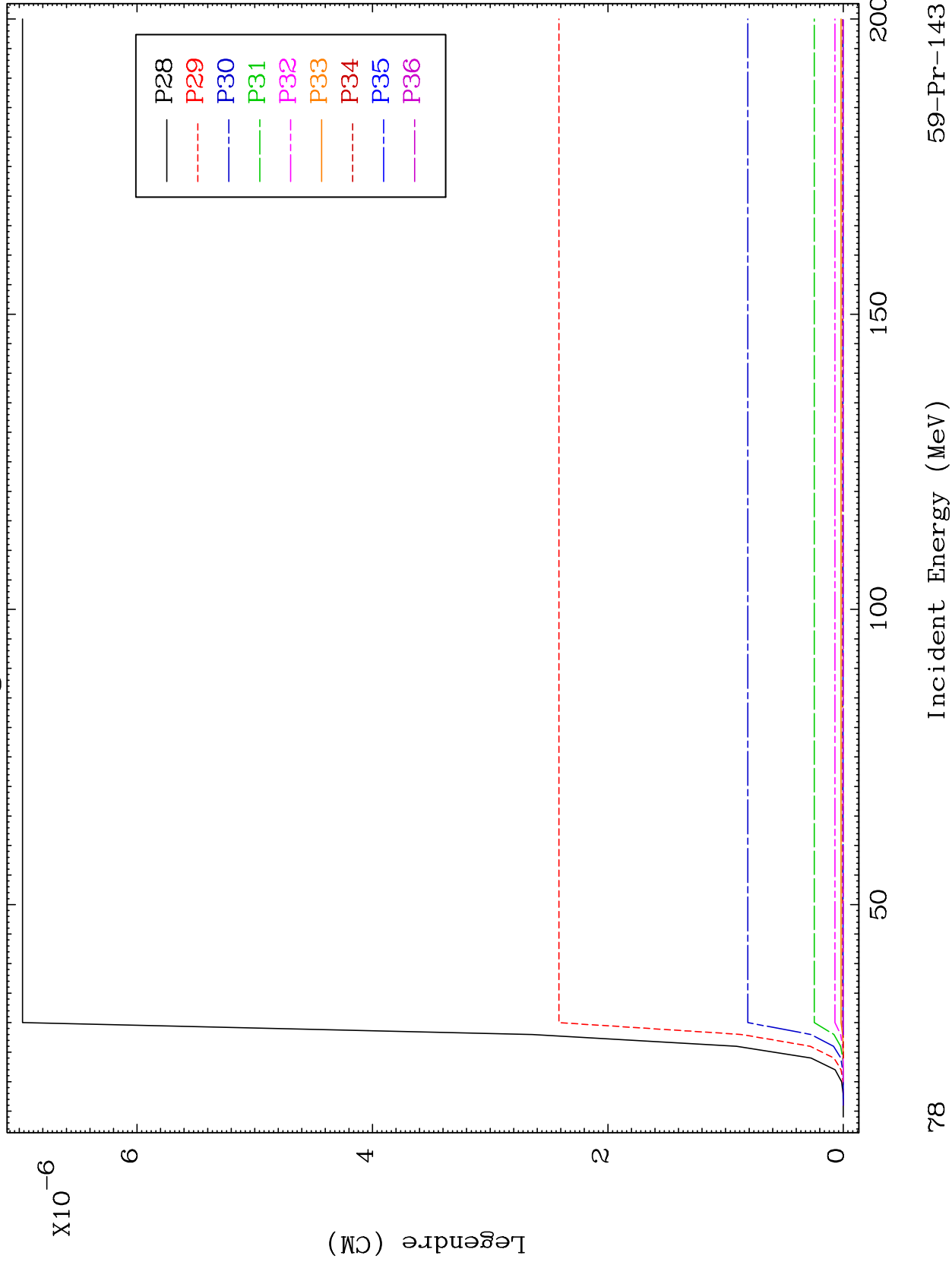
59-Pr-143



MAT 5931

MT= 65 (n,n') Level  
Legendre Coefficients

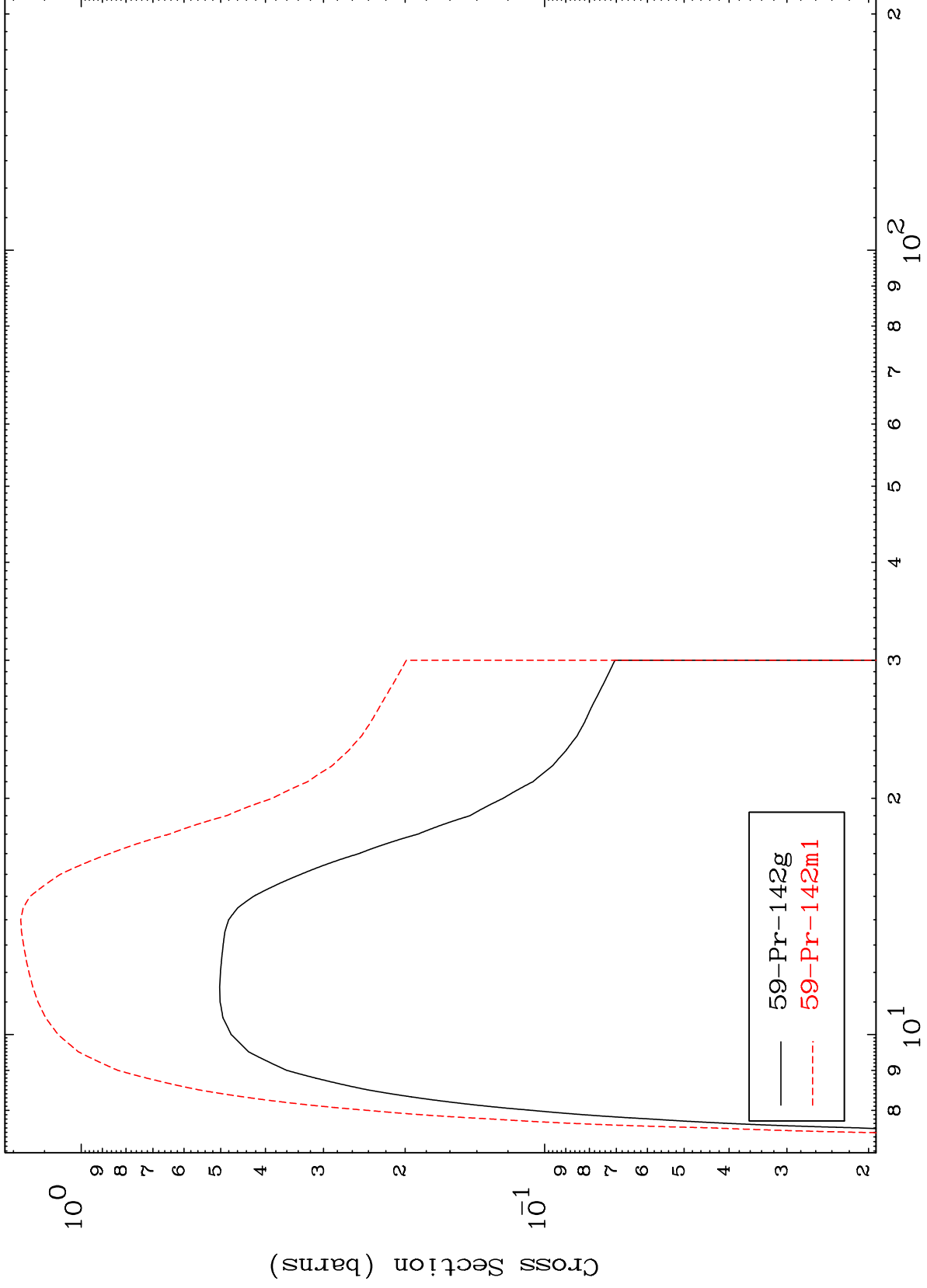
59-Pr-143



MAT 5931

59-Pr-143

(n,2n)  
Radionuclide Production Cross Section



79

Incident Energy (MeV)

59-Pr-143

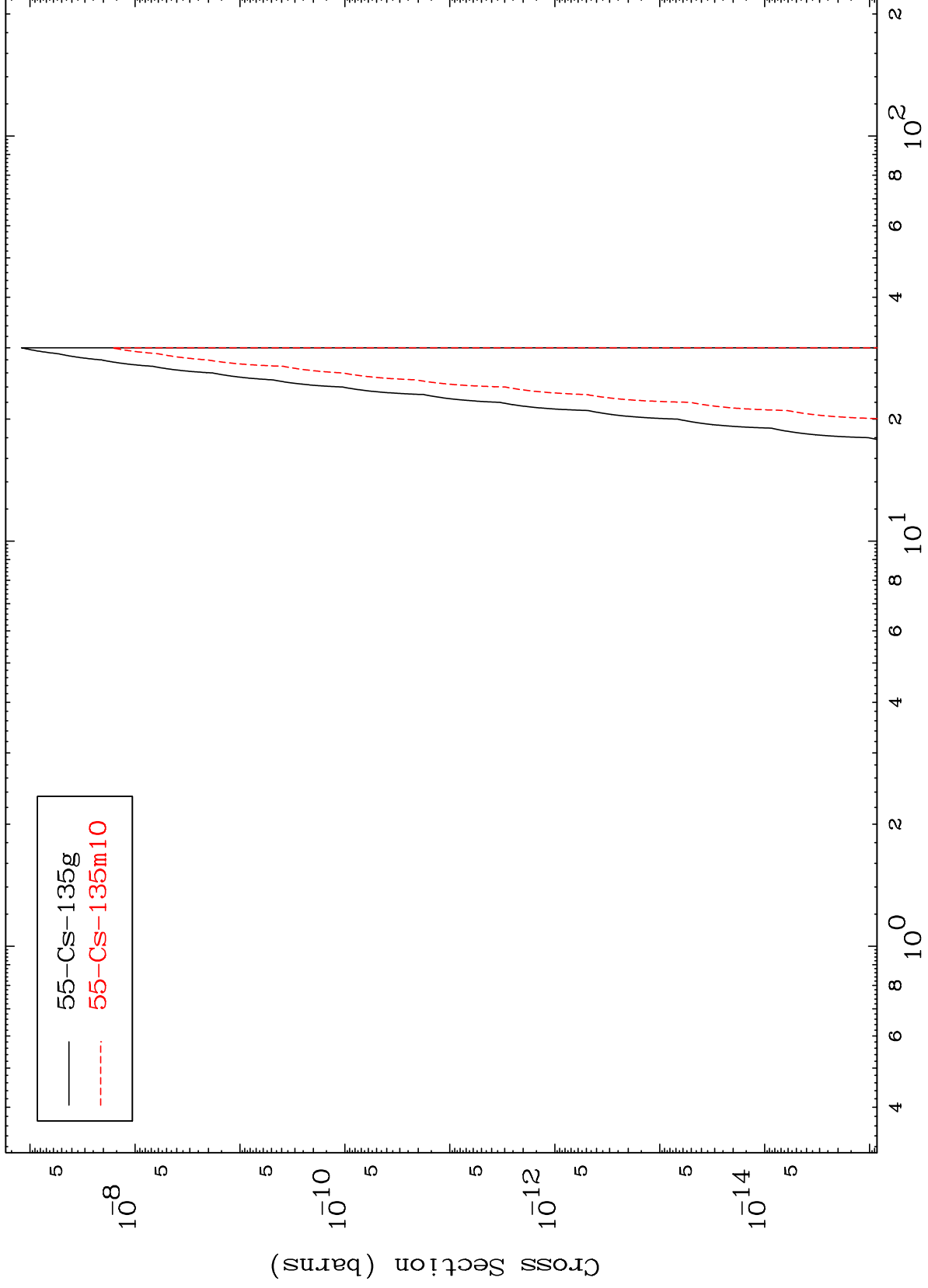


MAT 5931

(n,n') 2α

59-Pr-143

Radionuclide Production Cross Section



80

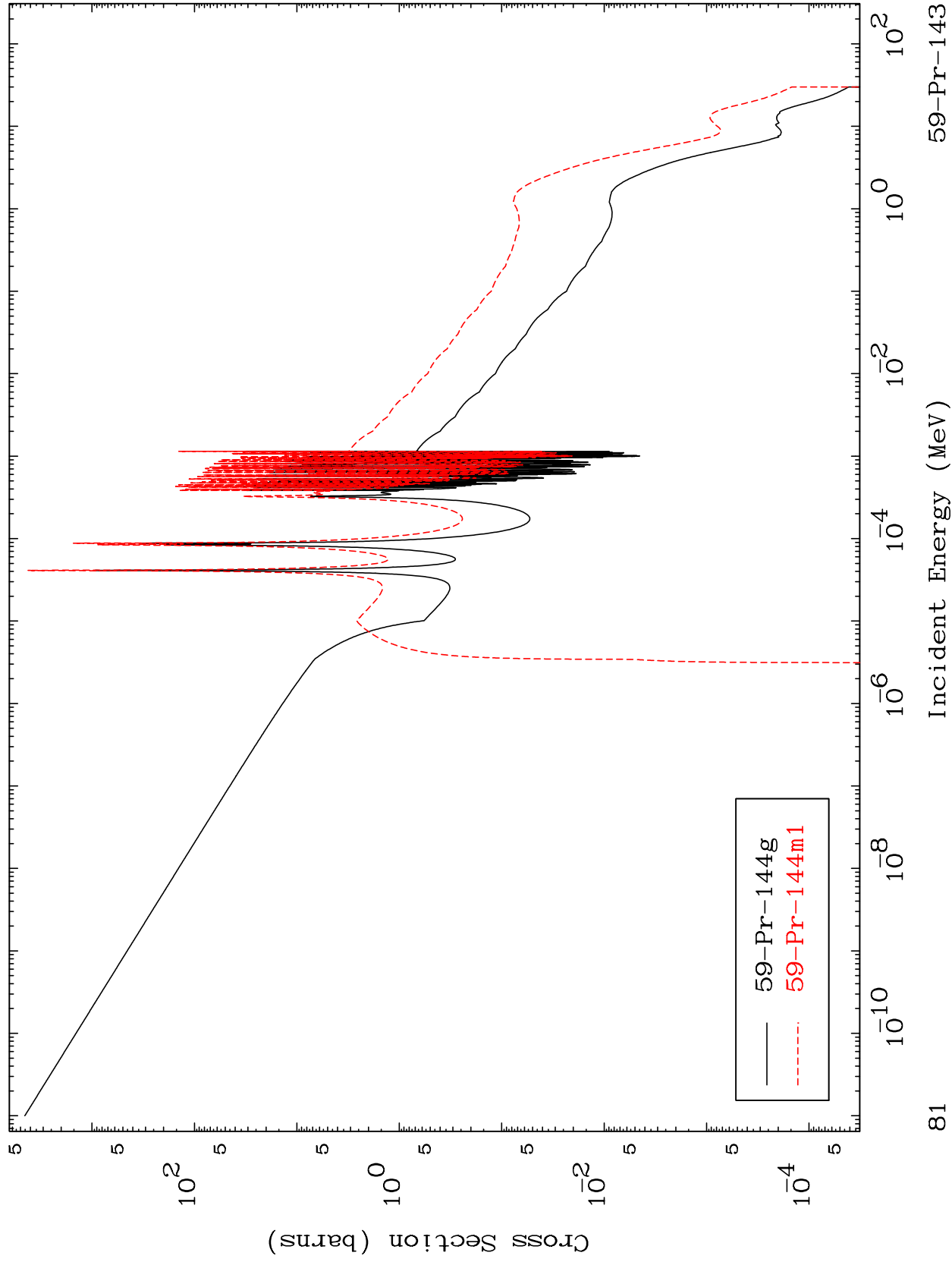
Incident Energy (MeV)

59-Pr-143

MAT 5931

59-Pr-143

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



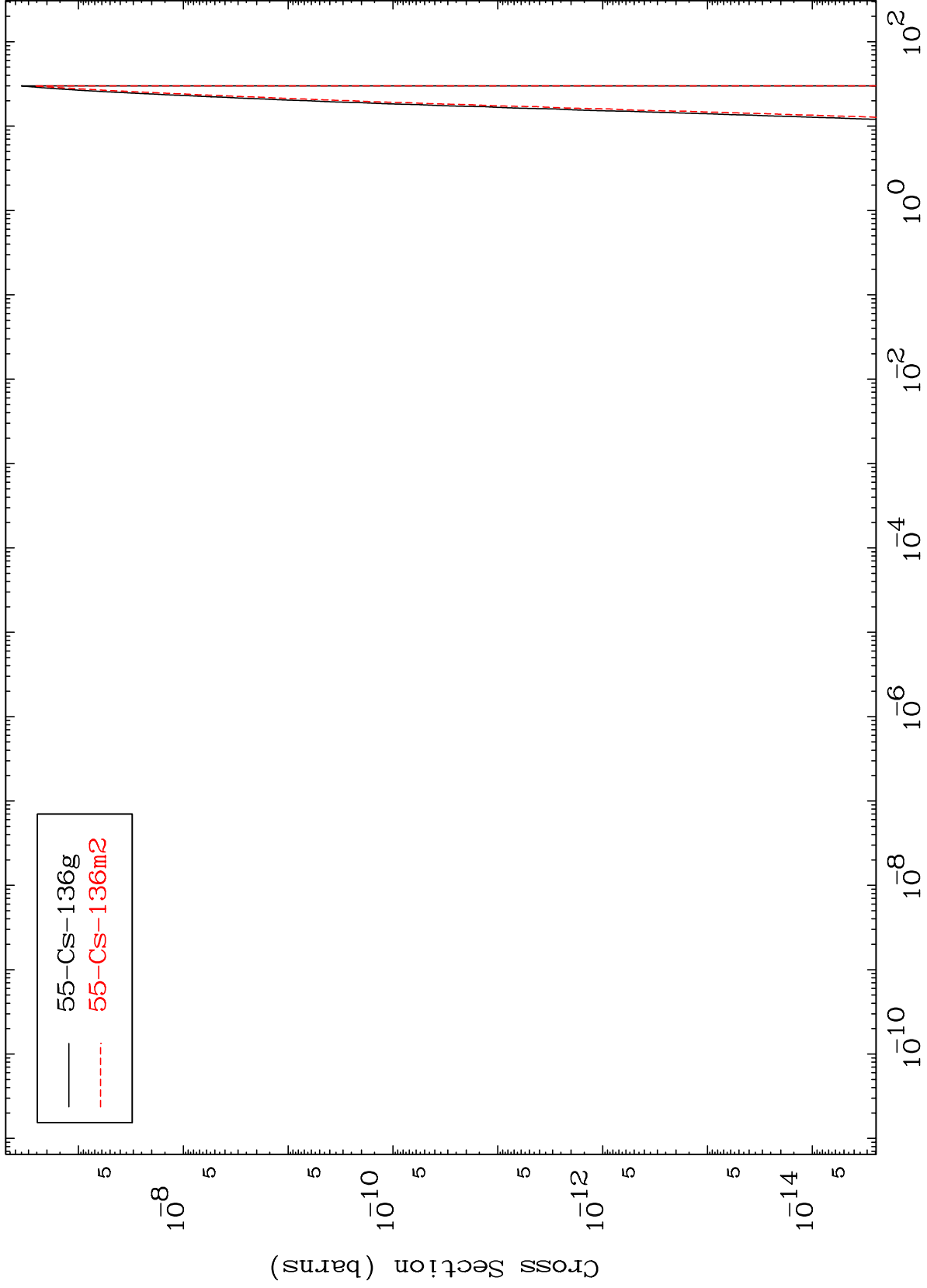
81

MAT 5931

(n,2α)

59-Pr-143

Radionuclide Production Cross Section



82

Incident Energy (MeV)

59-Pr-143