

Program EVALPLOT  
(Version 2021-1)

by

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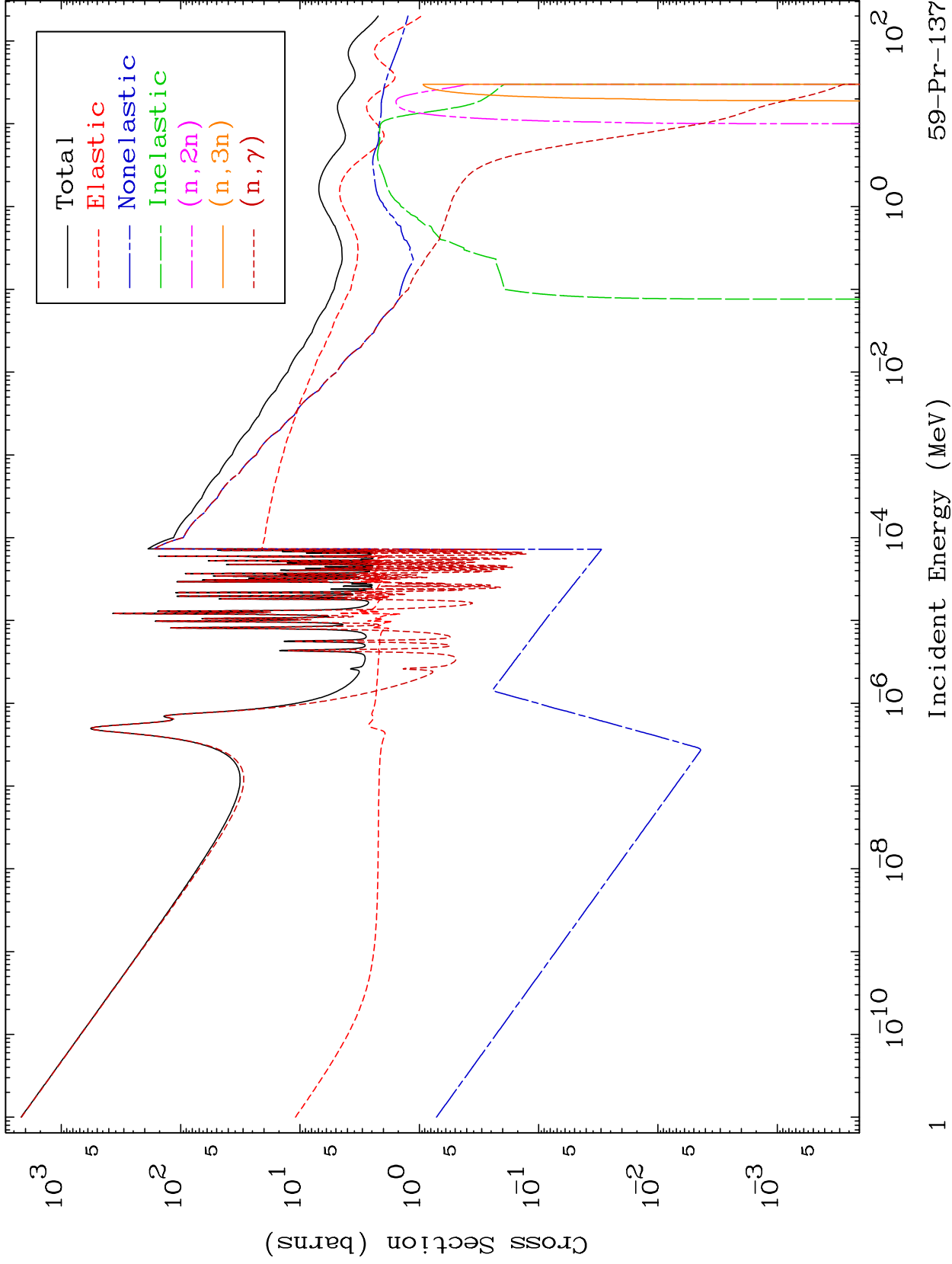
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Press Mouse Button to Start

MAT 5913

Neutron Major  
293 Kelvin Cross Sections

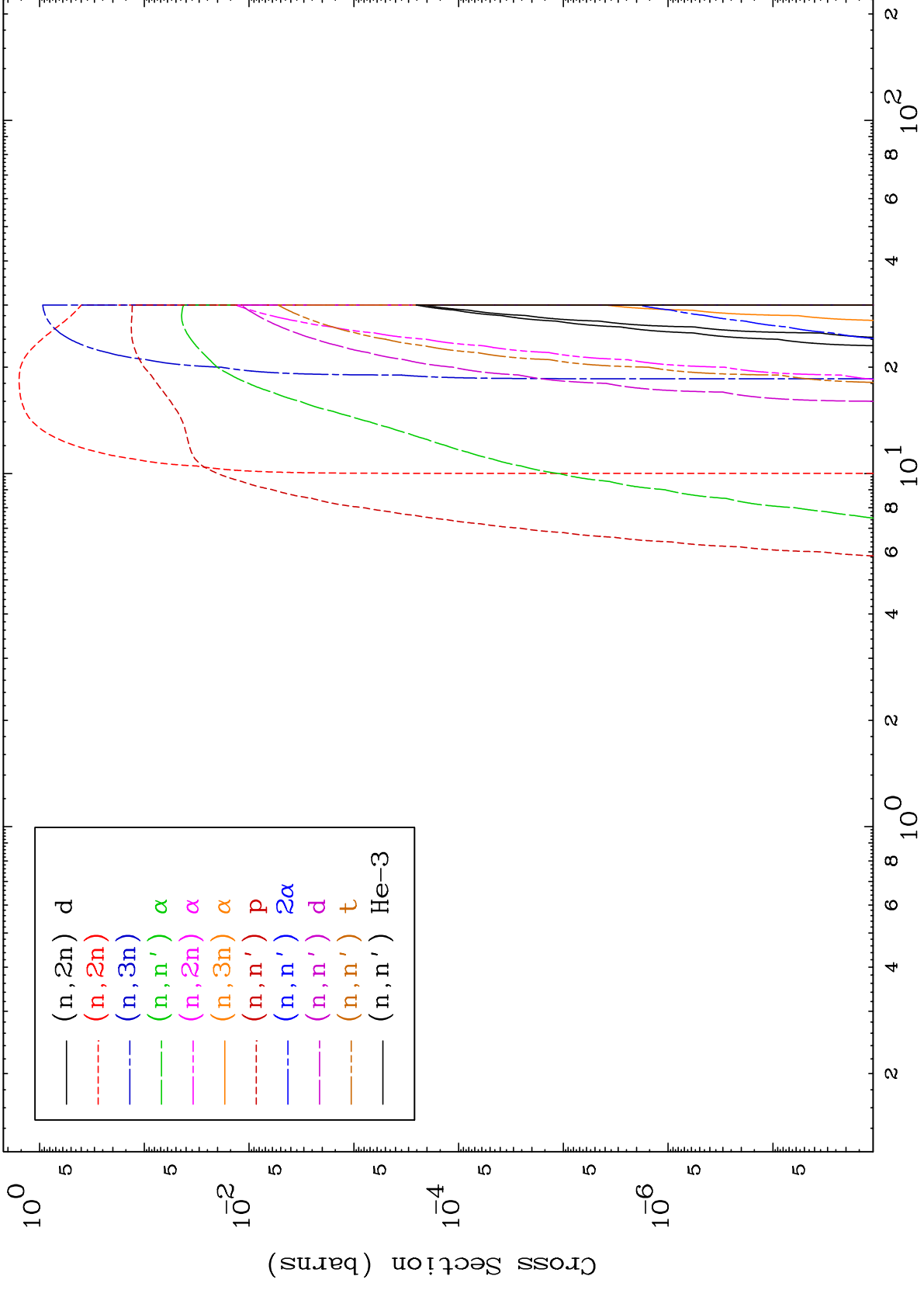
59-Pr-137

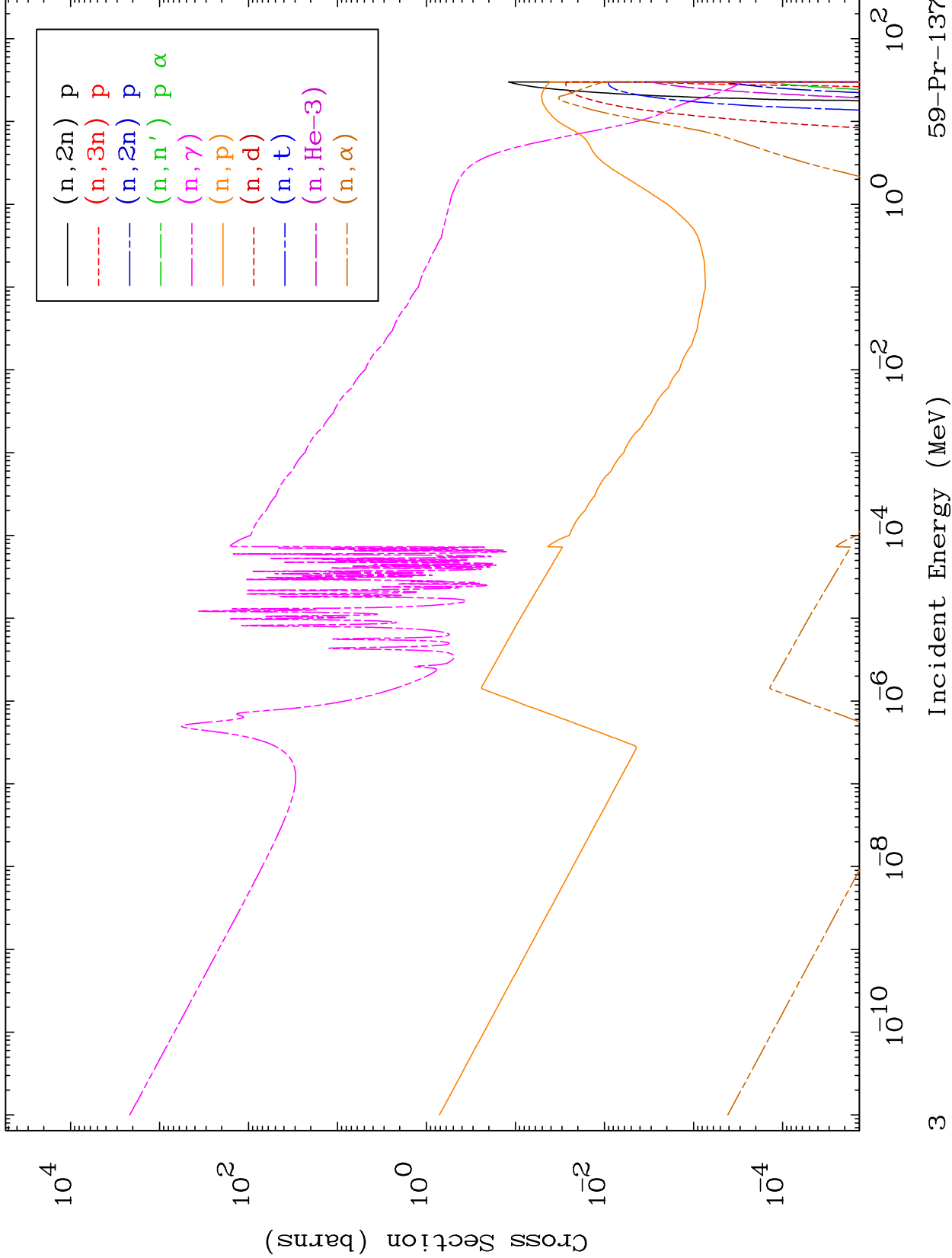


MAT 5913

Neutron Absorption  
293 Kelvin Cross Sections

59-Pr-137

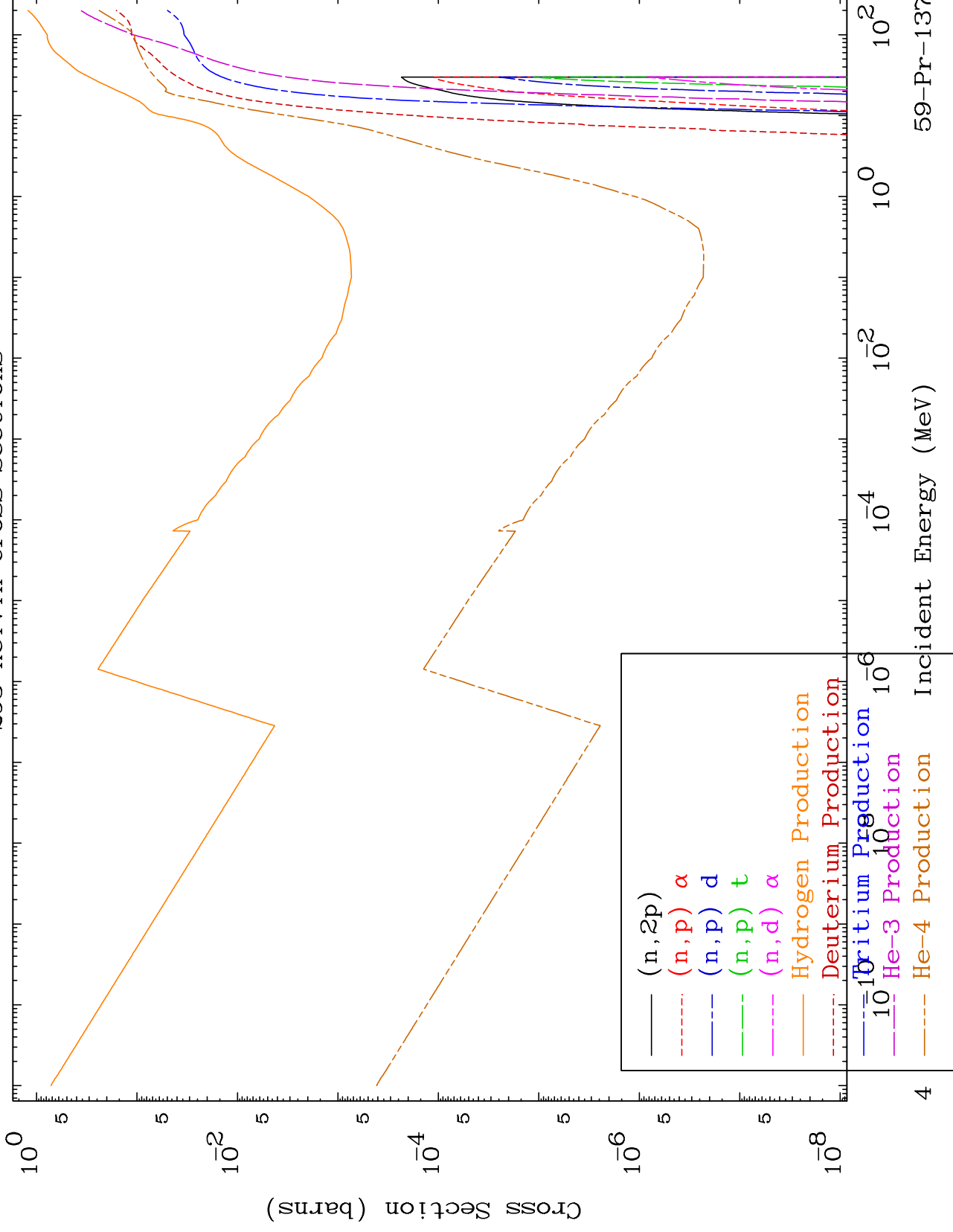


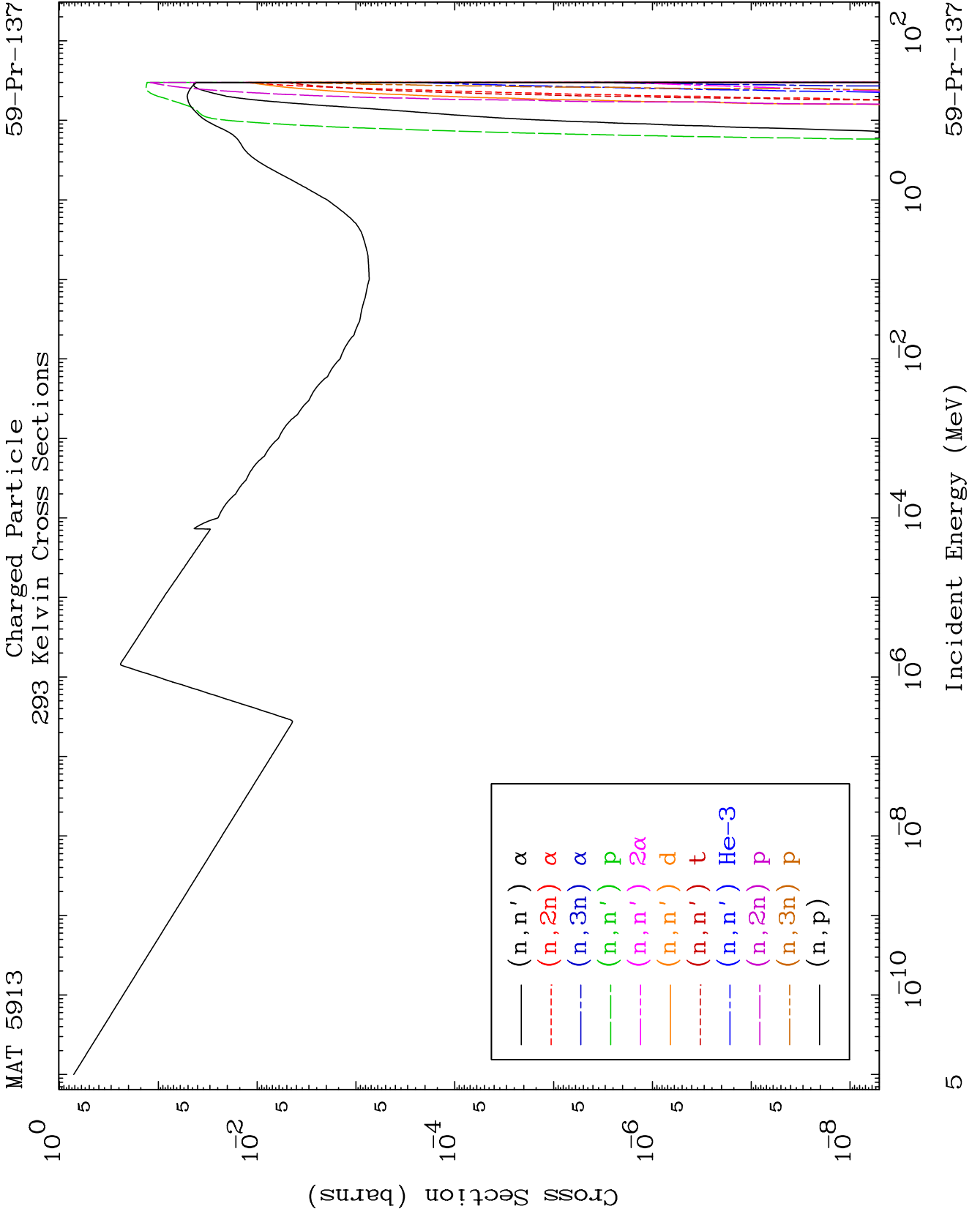


MAT 5913

Neutron Absorption  
293 Kelvin Cross Sections

59-Pr-137

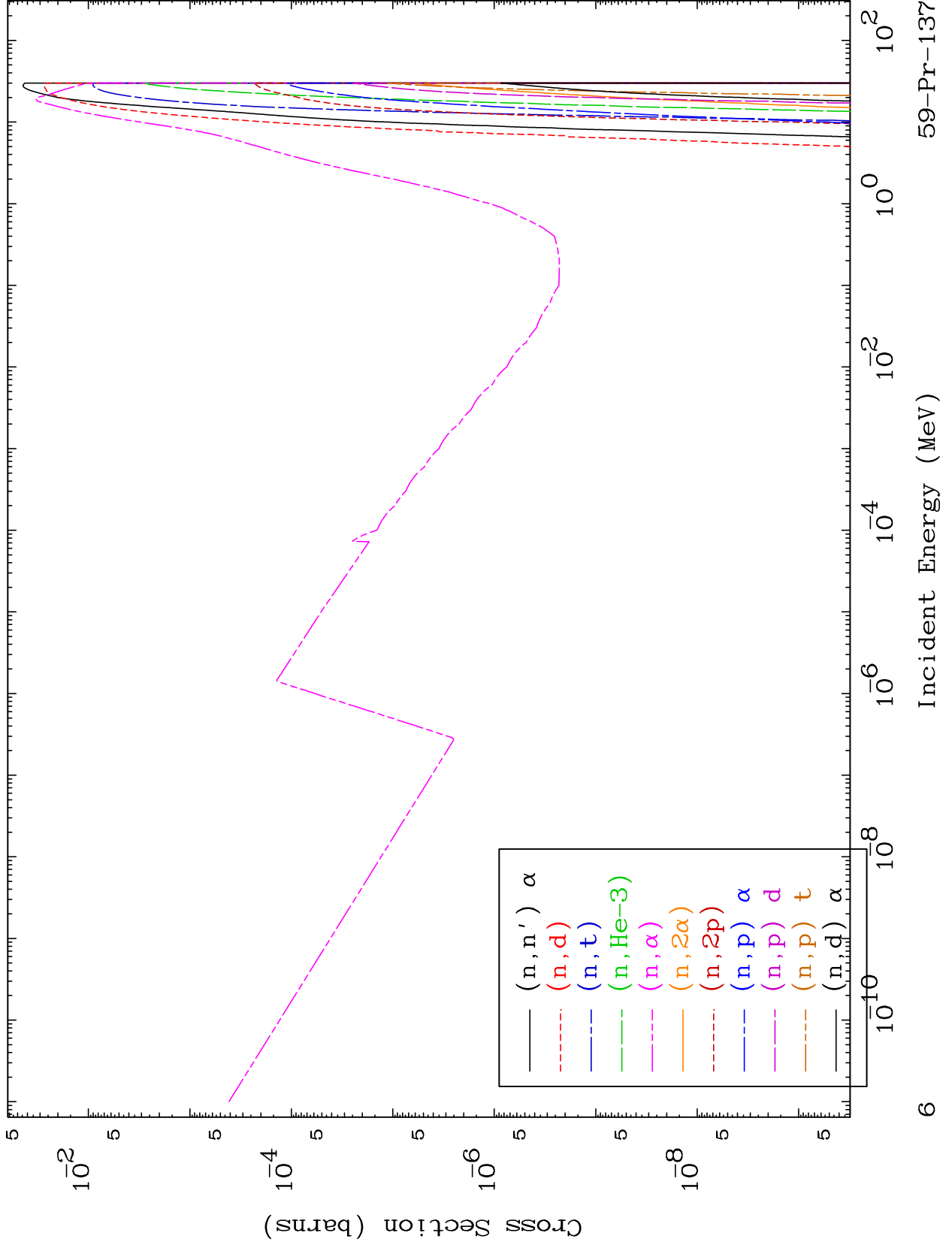




MAT 5913

Charged Particle  
293 Kelvin Cross Sections

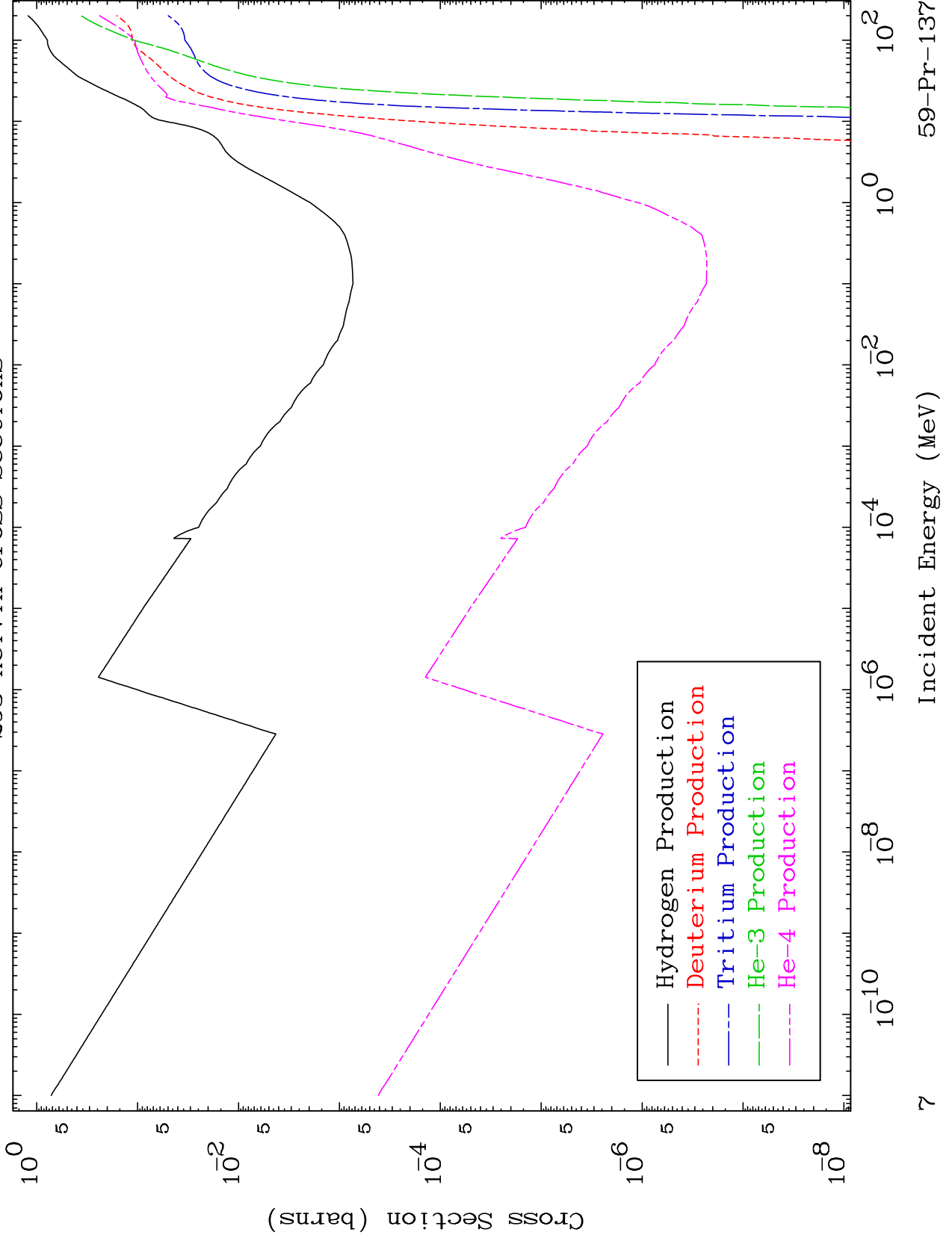
59-Pr-137



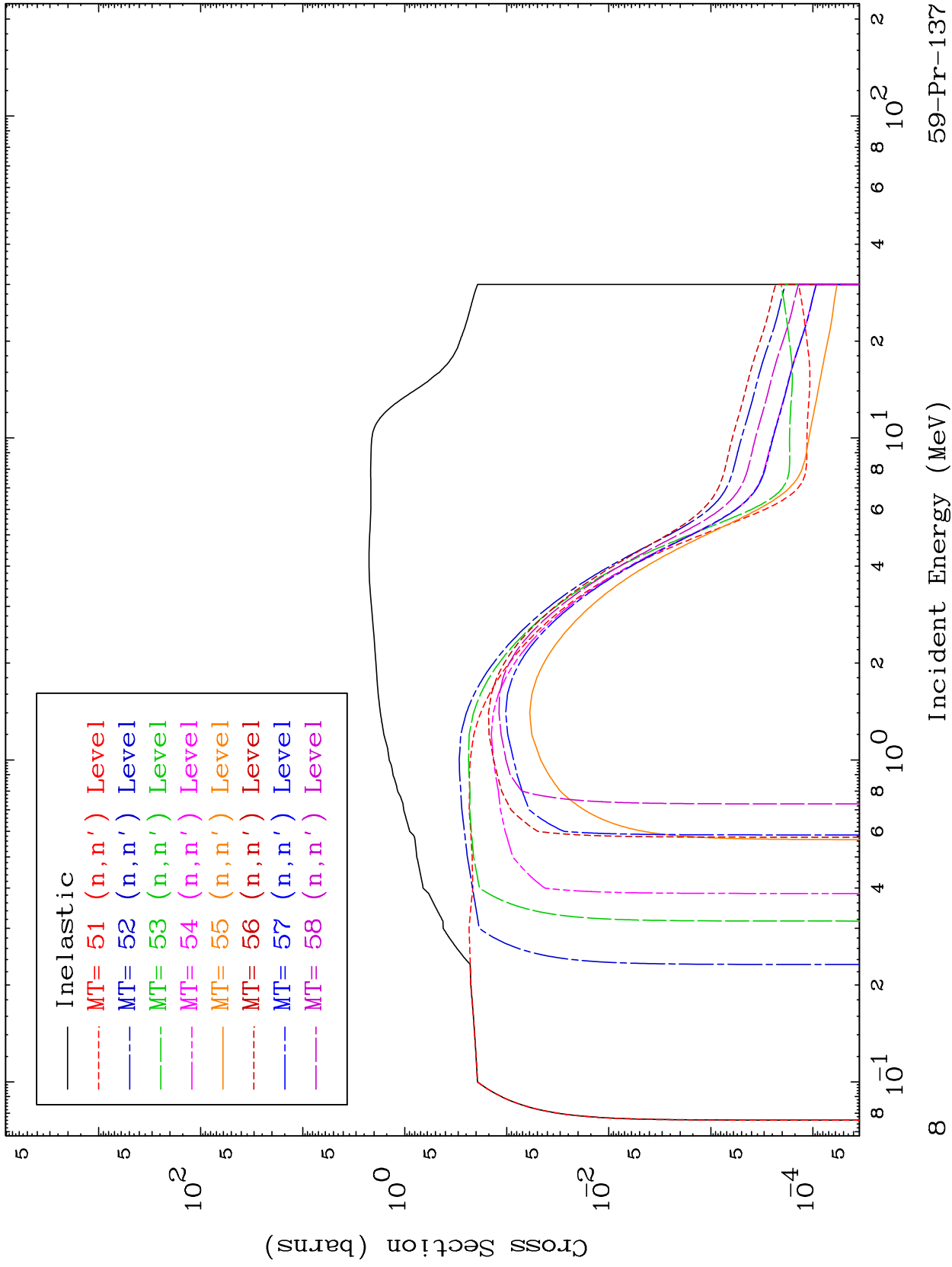
MAT 5913

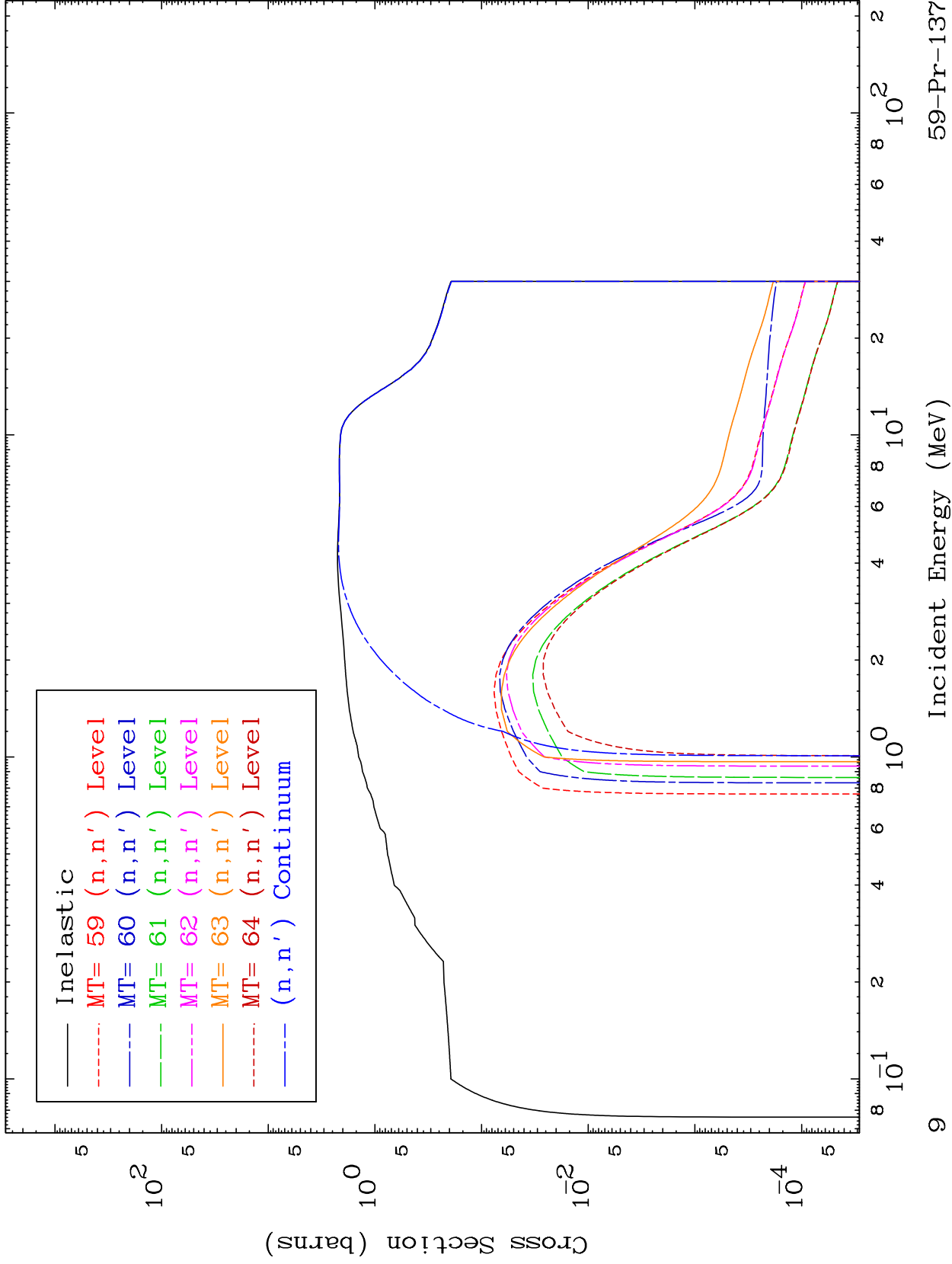
Particle Production  
293 Kelvin Cross Sections

59-Pr-137





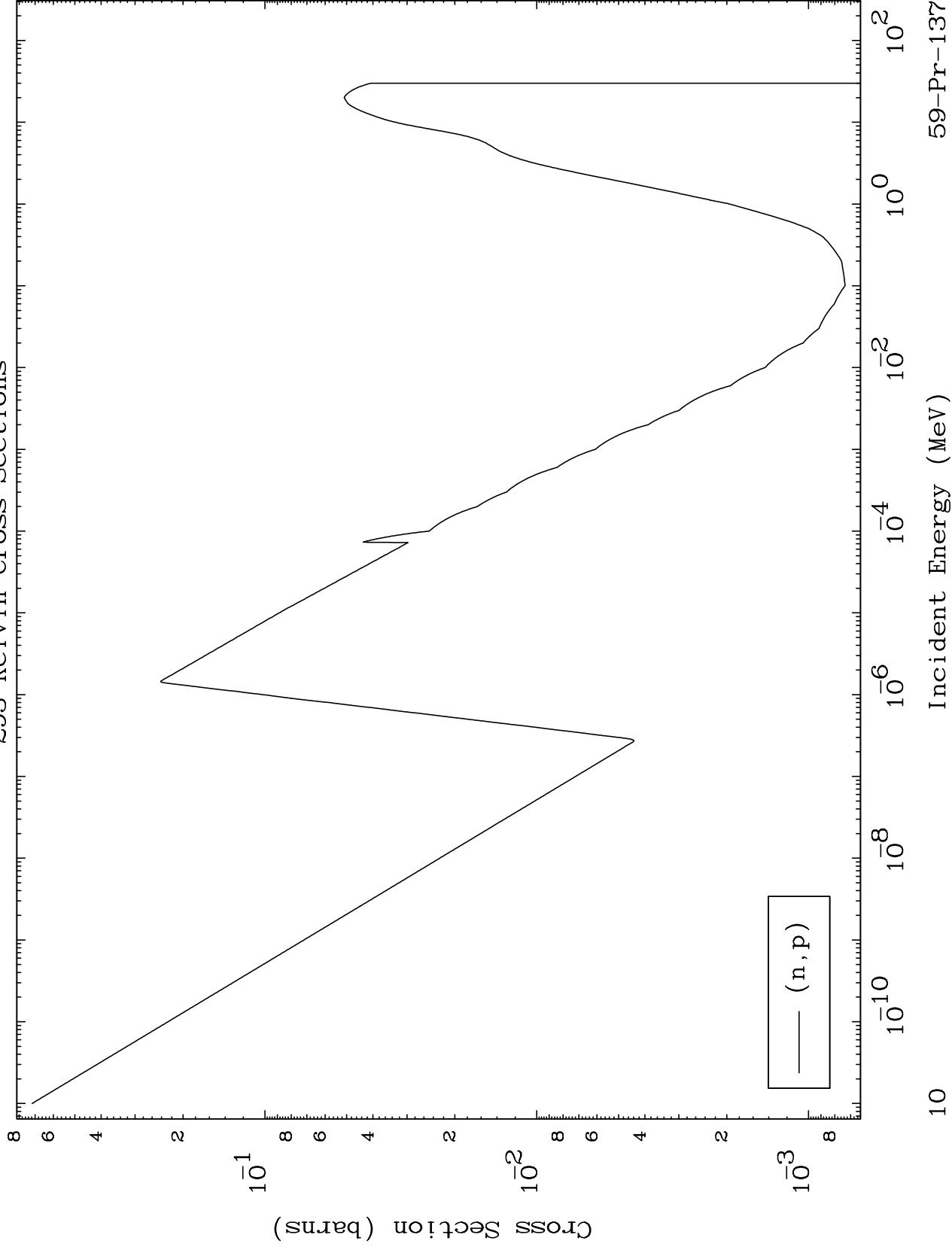




MAT 5913

(n,p) Levels  
293 Kelvin Cross Sections

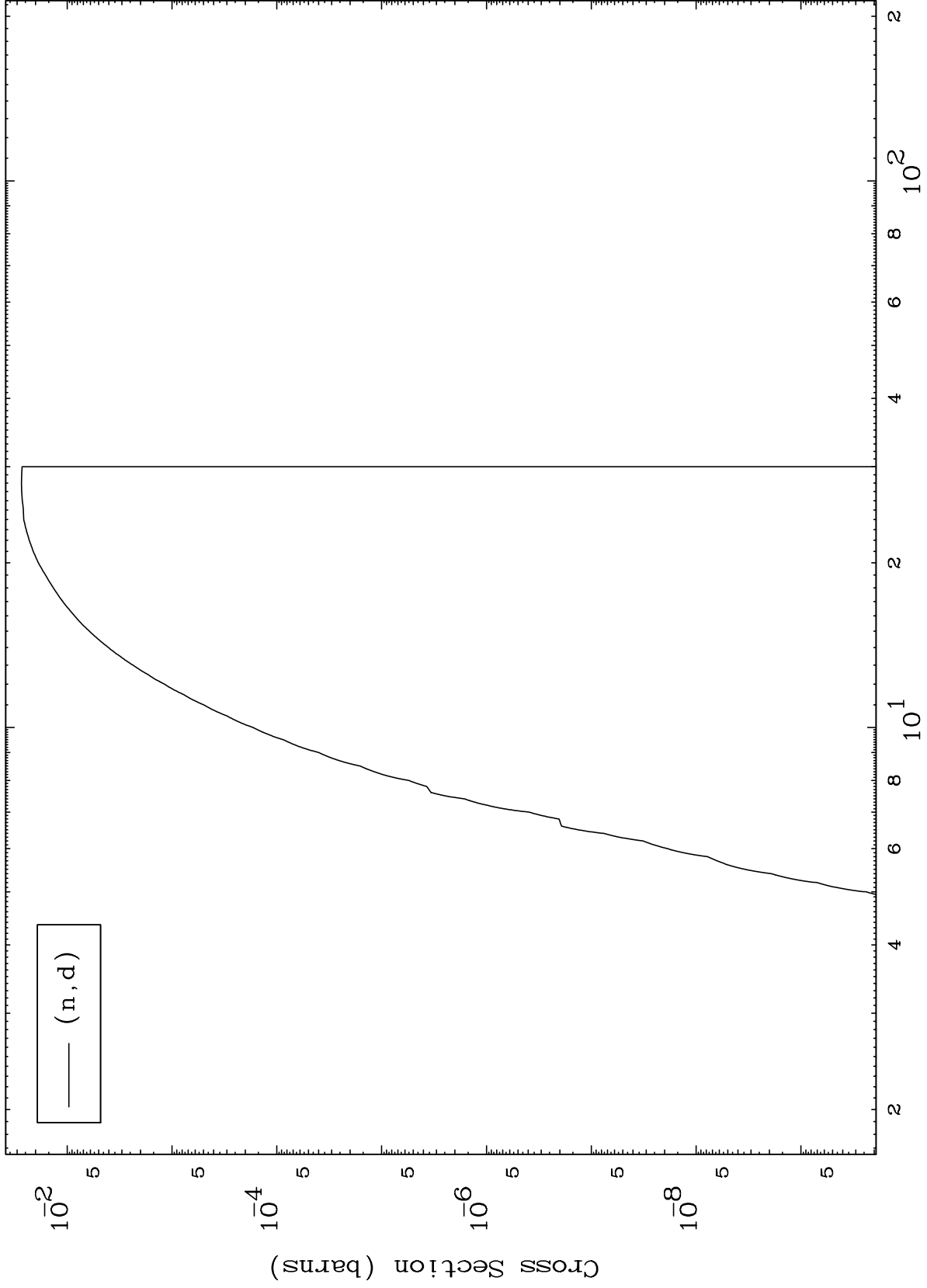
59-Pr-137



MAT 5913

(n,d) Levels  
293 Kelvin Cross Sections

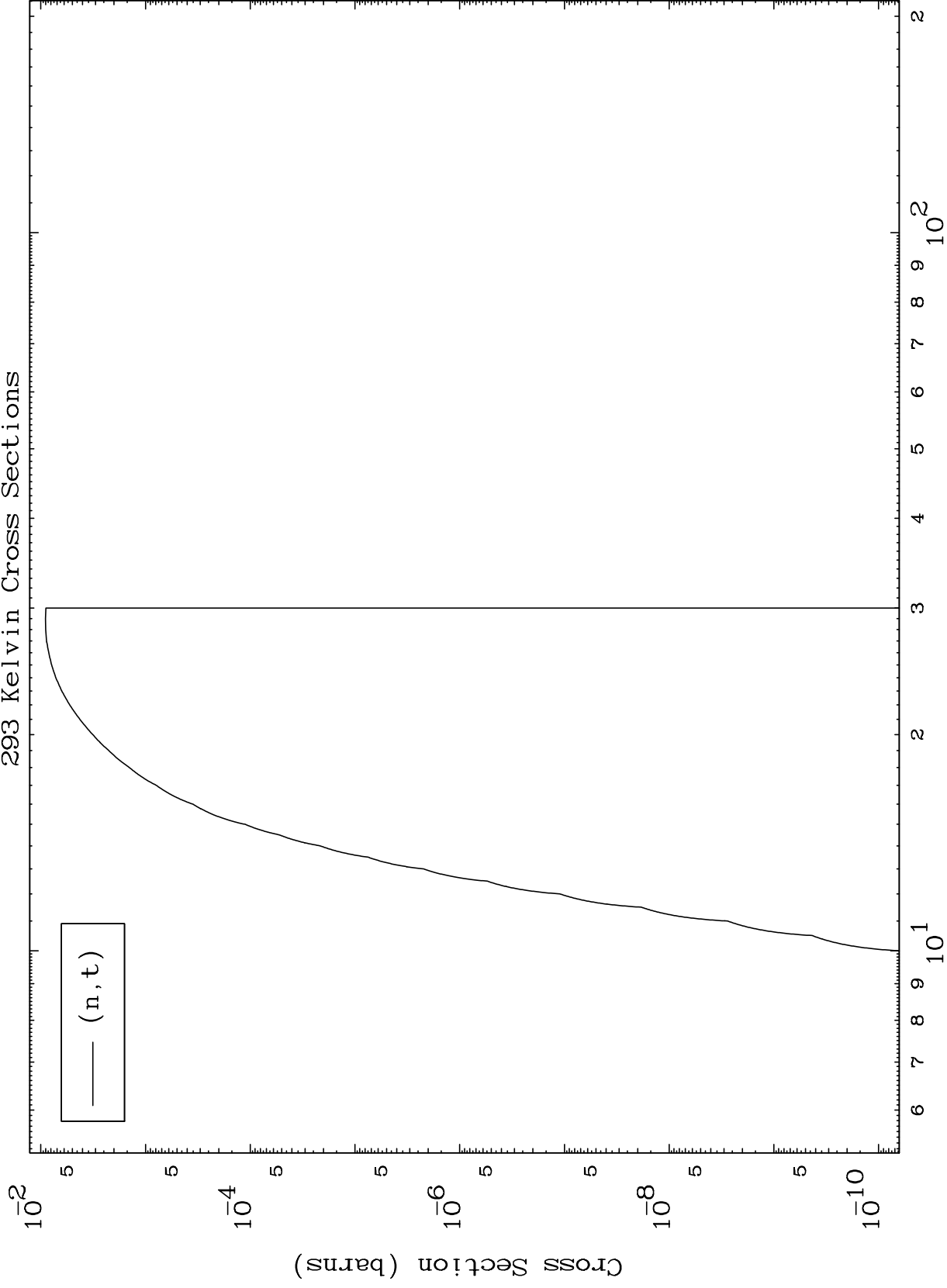
59-Pr-137



MAT 5913

(n,t) Levels  
293 Kelvin Cross Sections

59-Pr-137



12

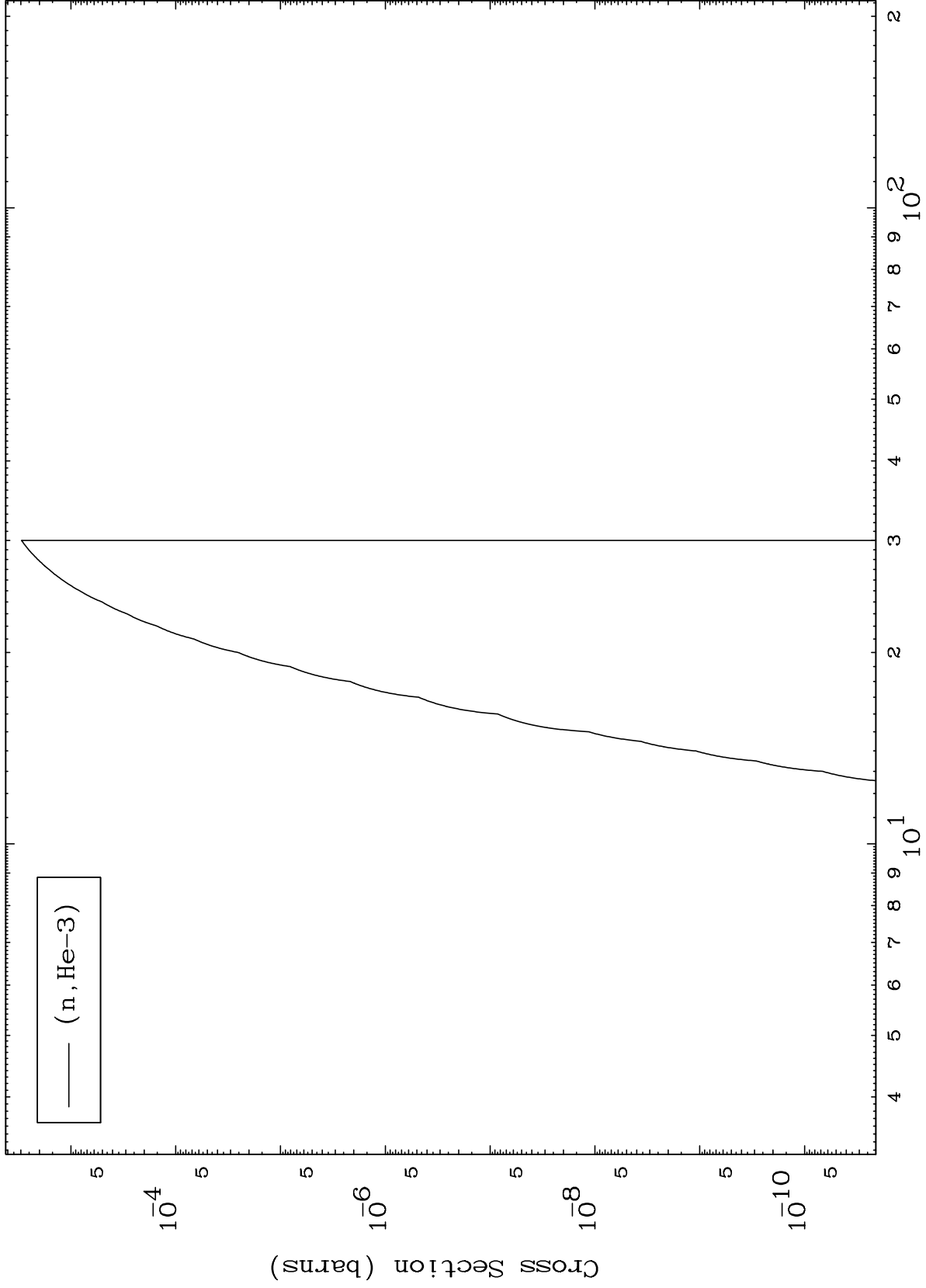
Incident Energy (MeV)

59-Pr-137

MAT 5913

(n,He3) Levels  
293 Kelvin Cross Sections

59-Pr-137



13

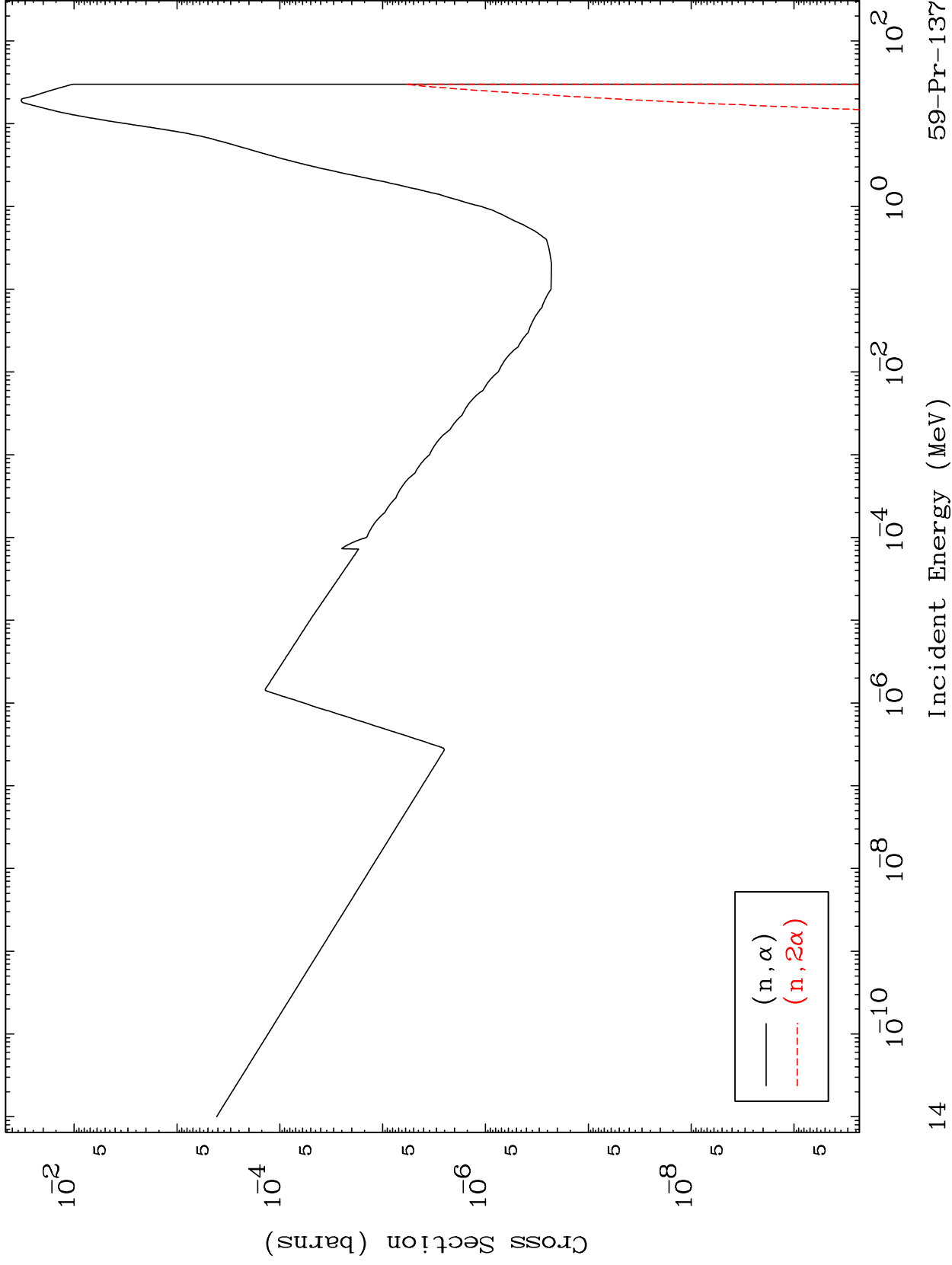
Incident Energy (MeV)

59-Pr-137

MAT 5913

(n,α) Levels  
293 Kelvin Cross Sections

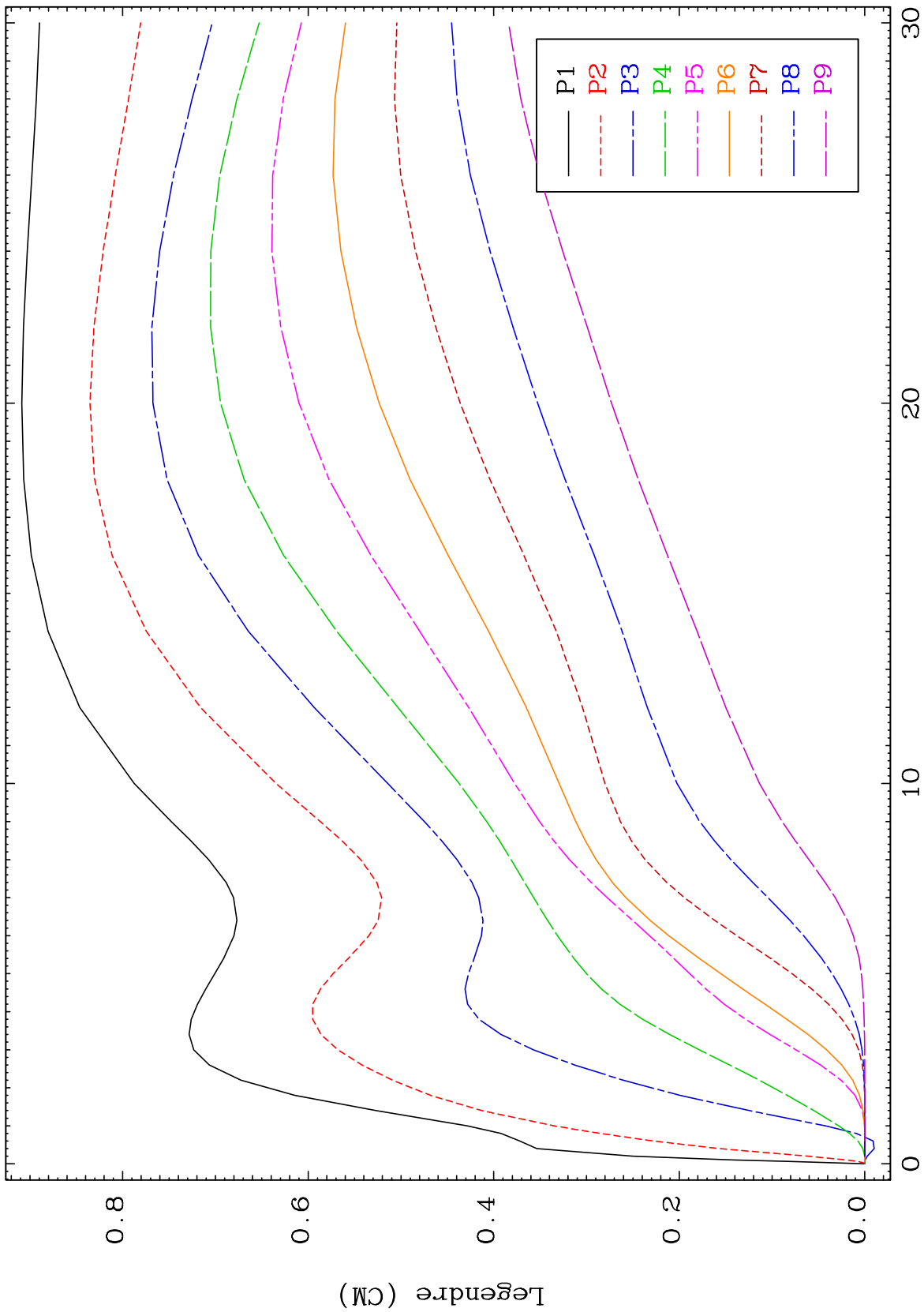
59-Pr-137



MAT 5913

Elastic Legendre Coefficients

59-Pr-137



Incident Energy (MeV)

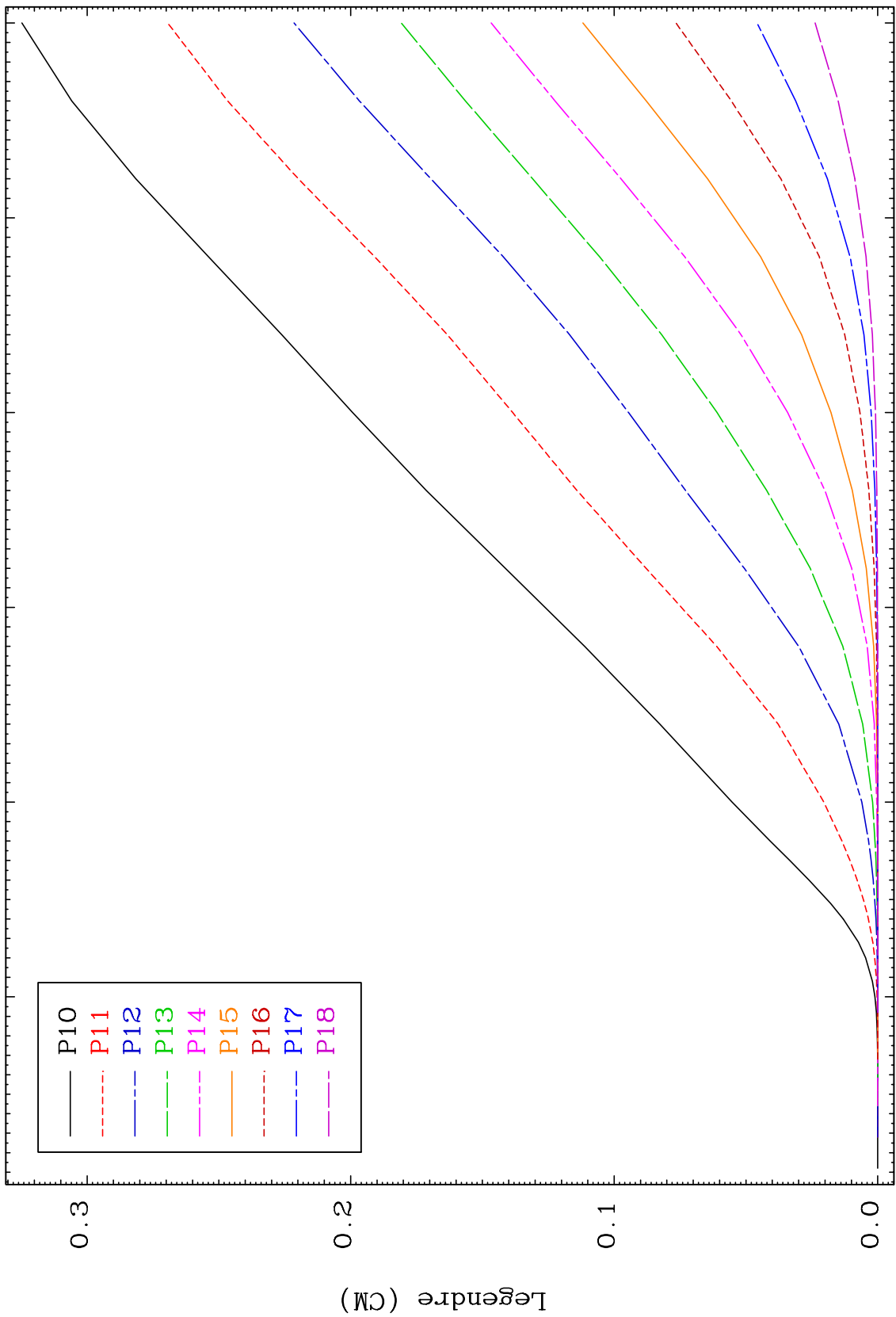
59-Pr-137



MAT 5913

Elastic Legendre Coefficients

59-Pr-137



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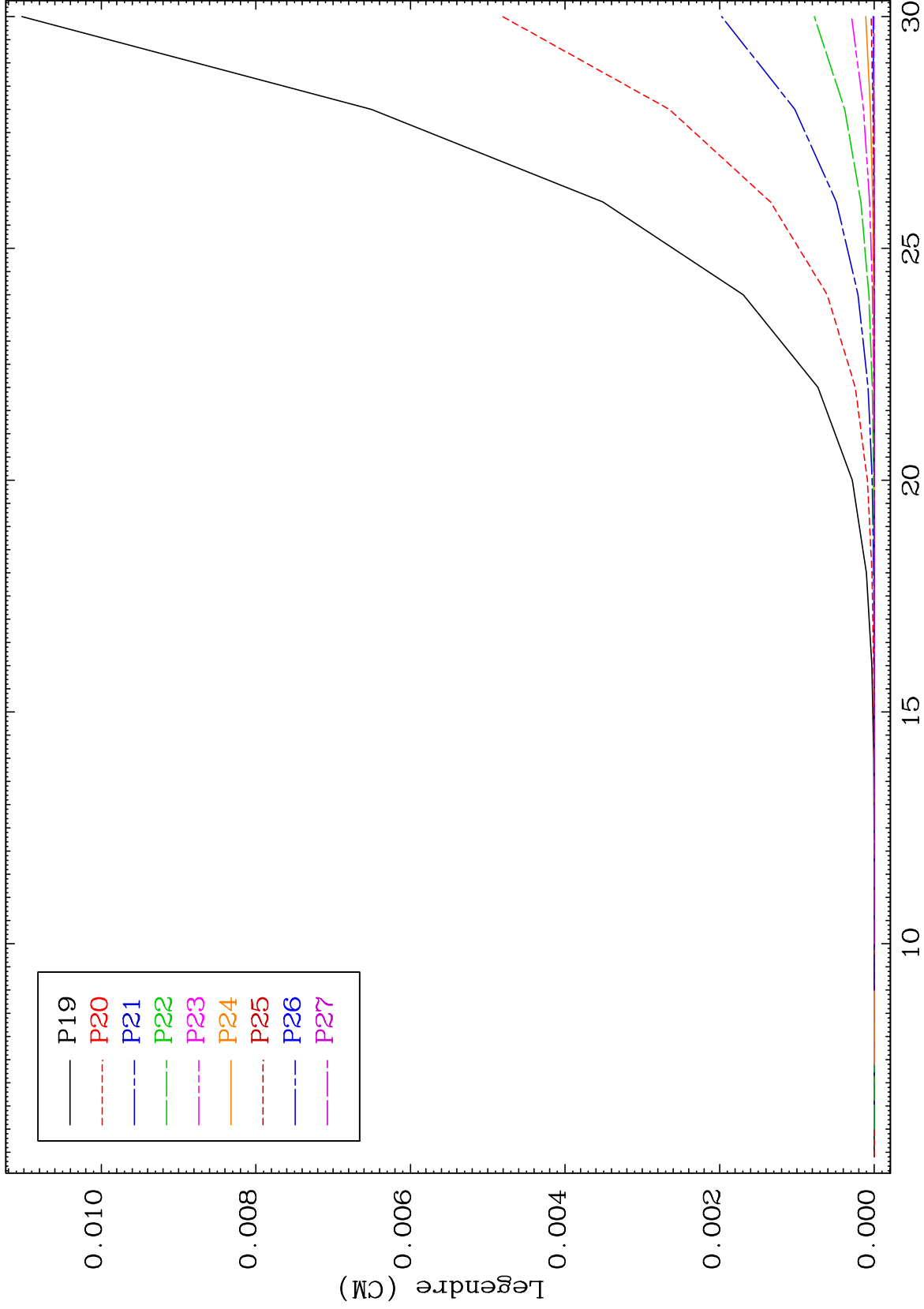
Incident Energy (MeV)

59-Pr-137

MAT 5913

### Elastic Legendre Coefficients

59-Pr-137



17

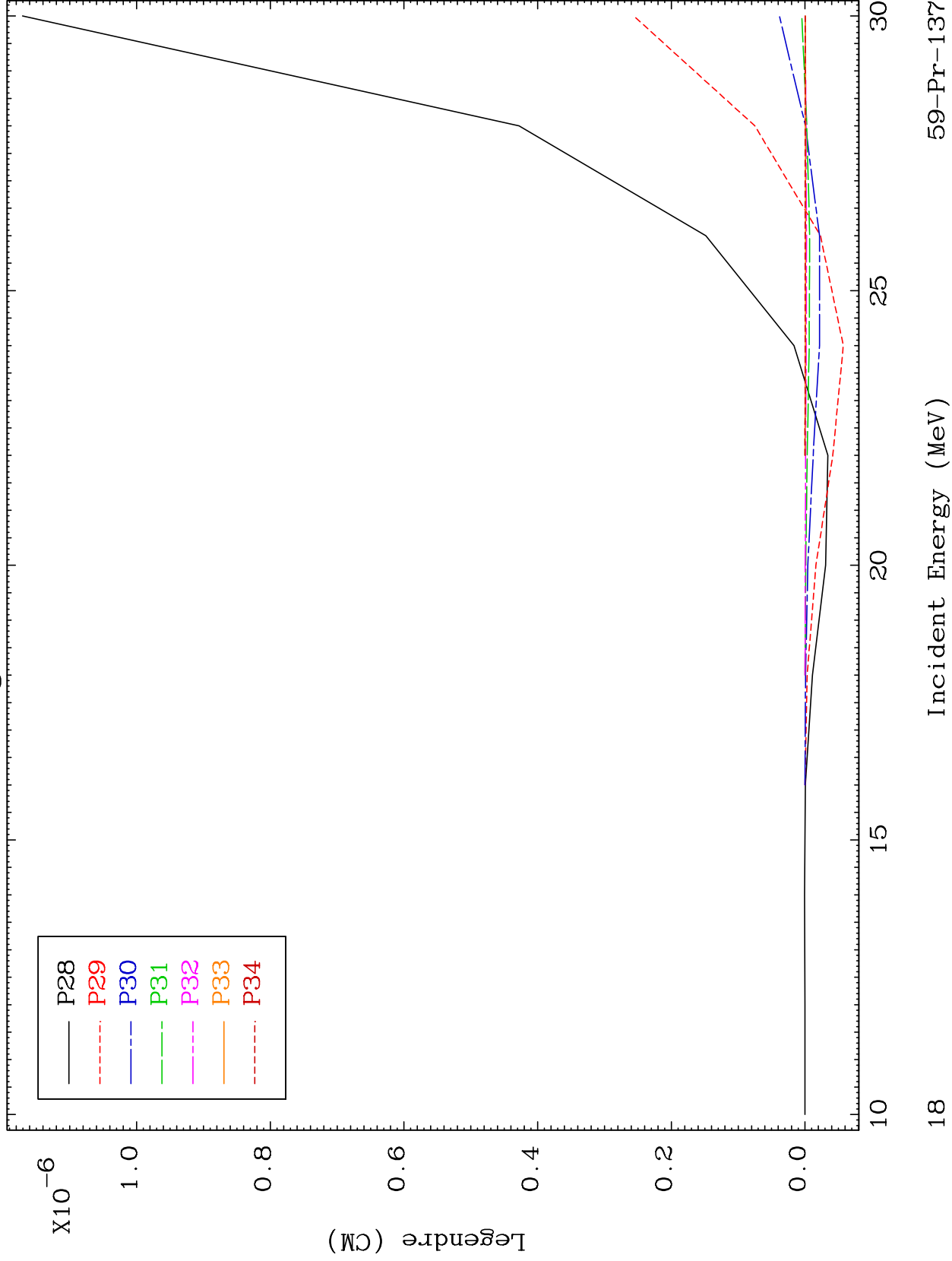
Incident Energy (MeV)

59-Pr-137

MAT 5913

Elastic  
Legendre Coefficients

59-Pr-137



18

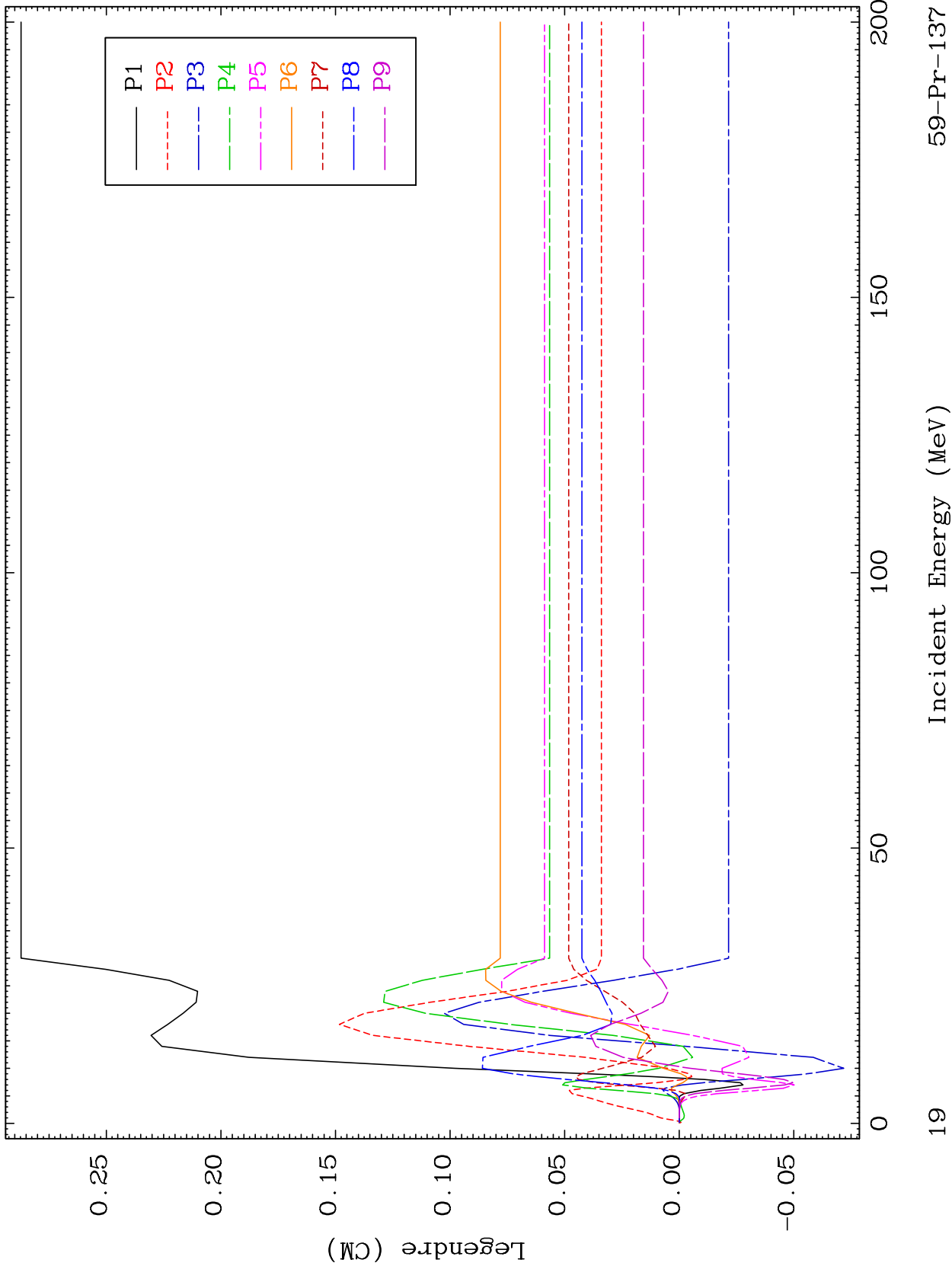
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



19

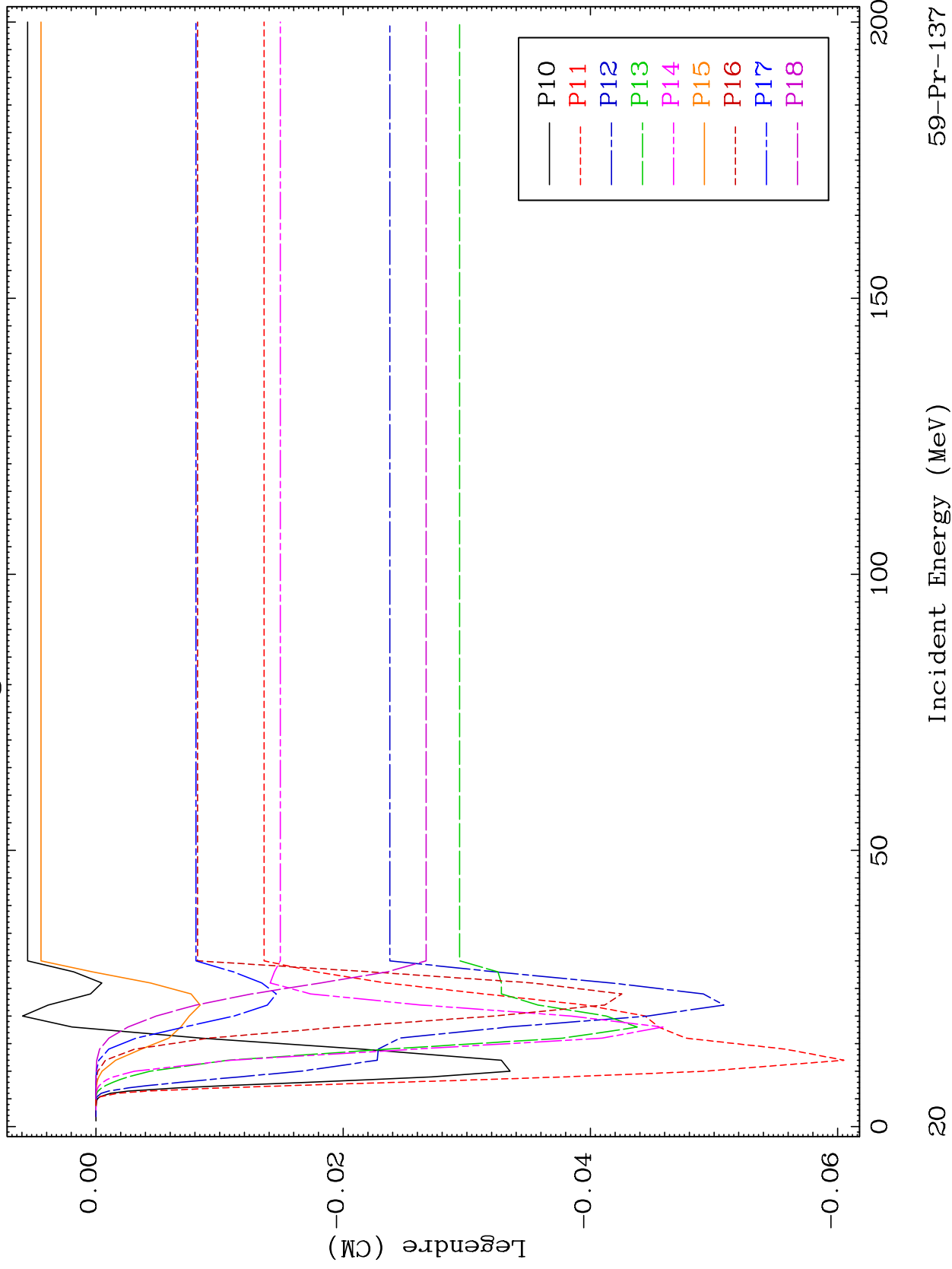
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

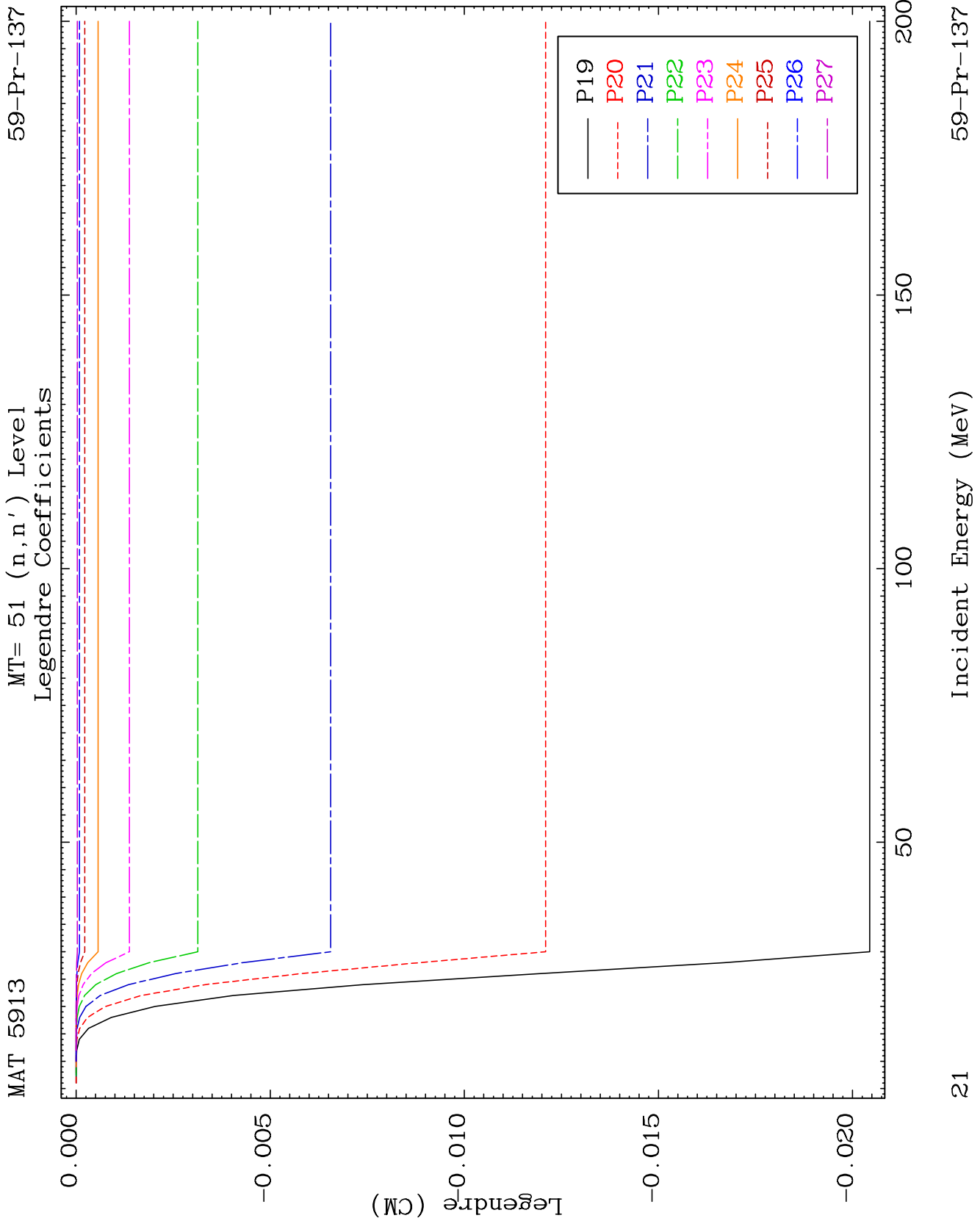
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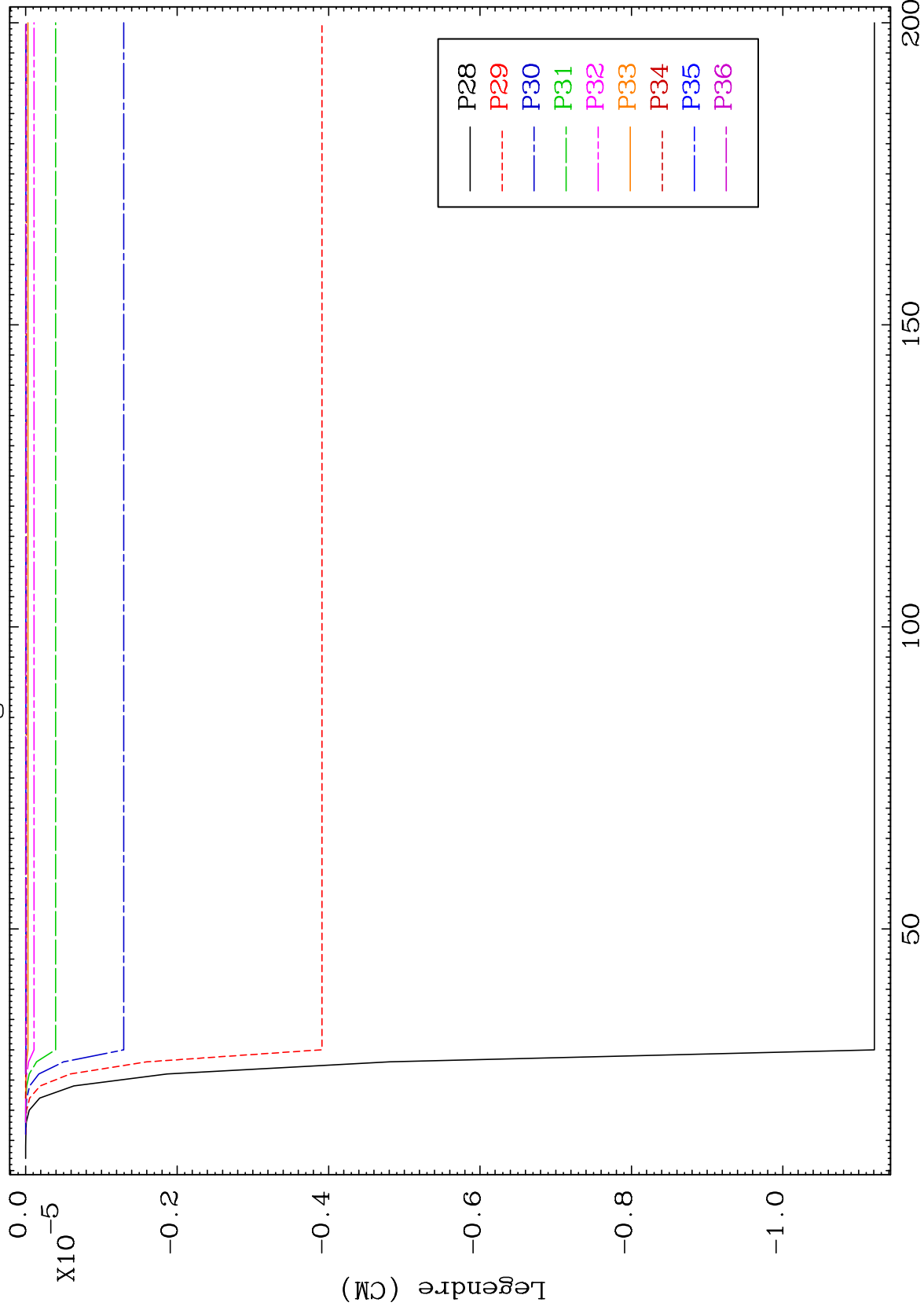


59-Pr-137

Incident Energy (MeV)

0



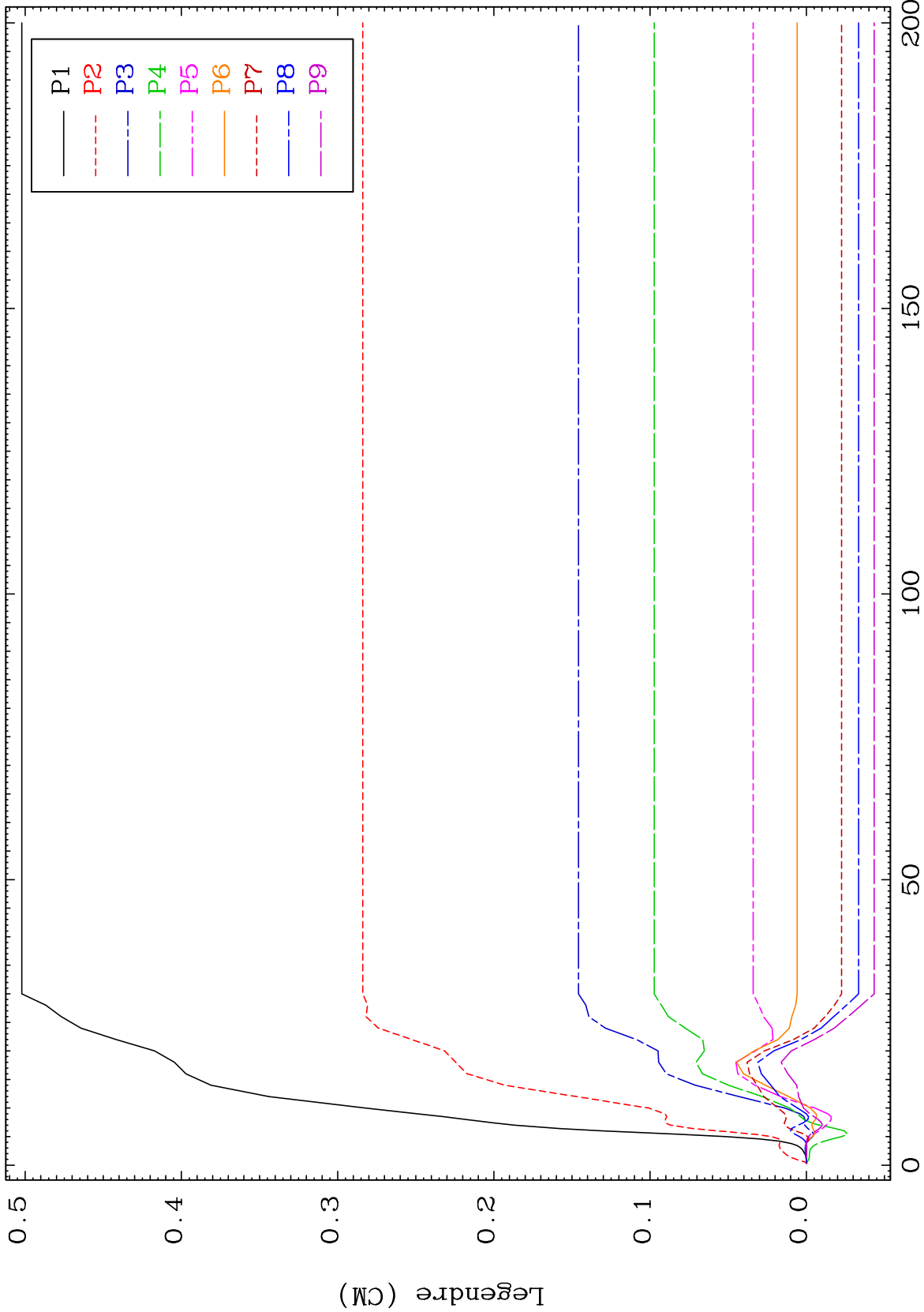


MAT 5913

MT= 52 (n,n') Level

59-Pr-137

Legendre Coefficients

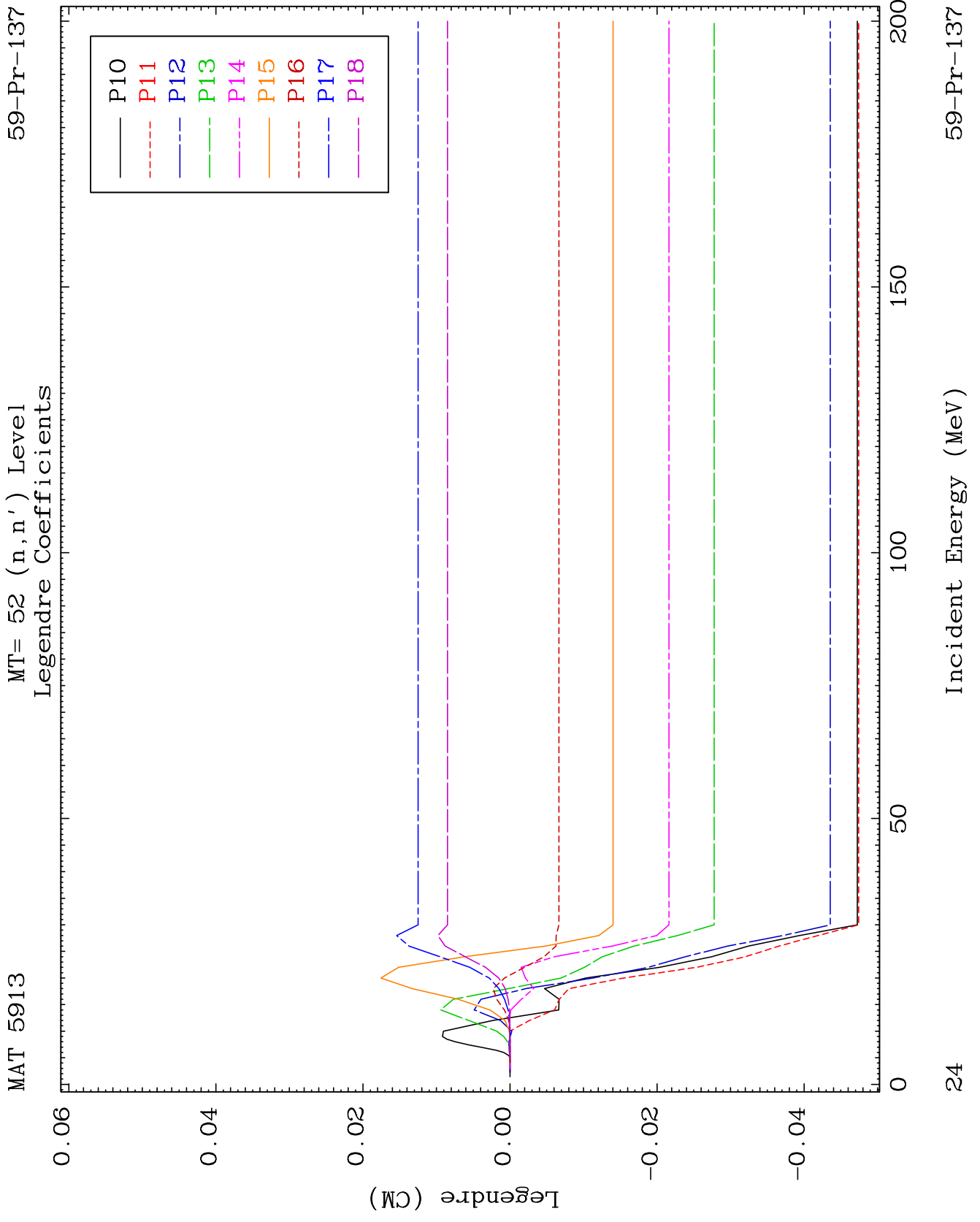


23

Incident Energy (MeV)

59-Pr-137

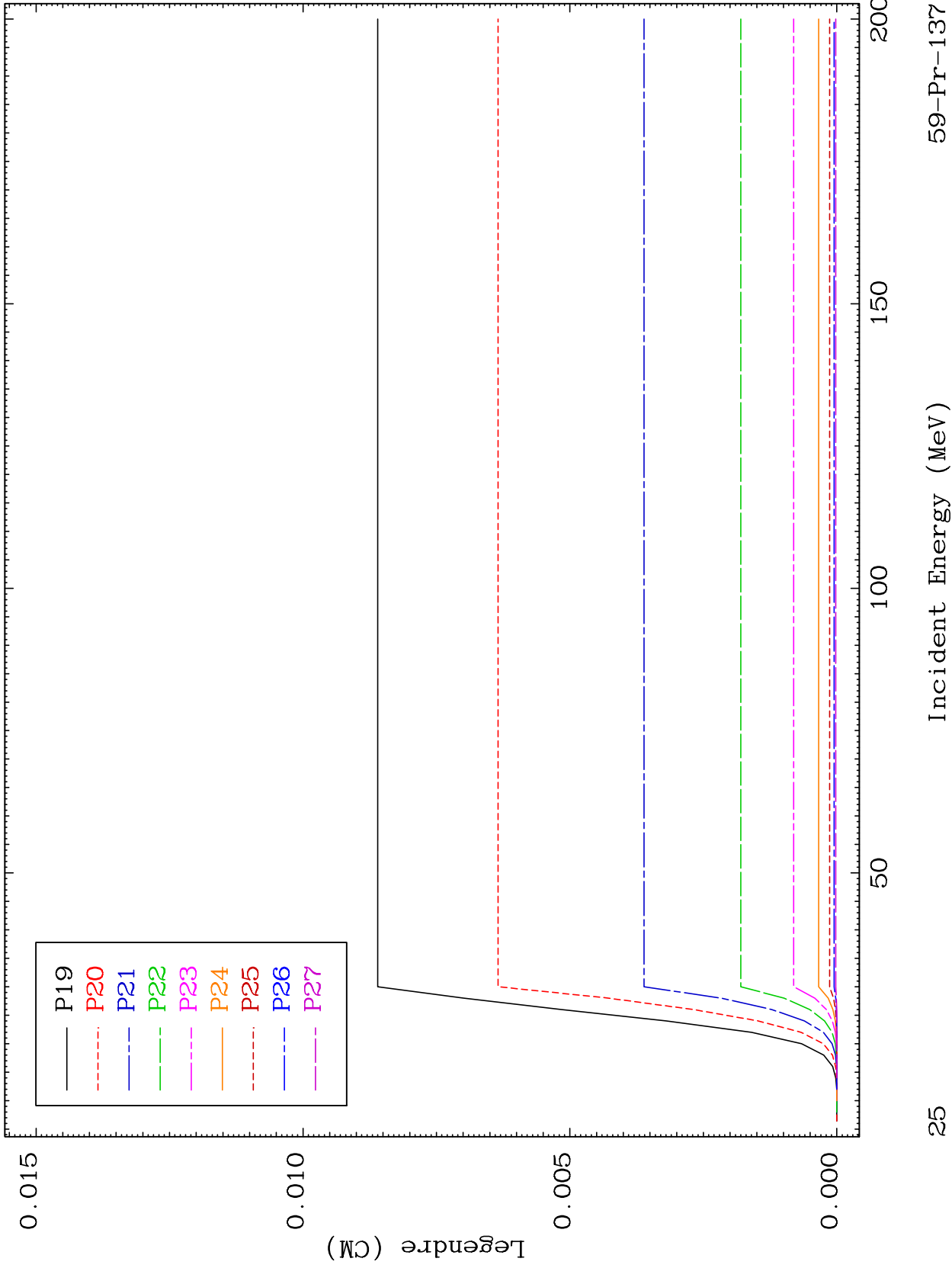




MAT 5913

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

59-Pr-137



25

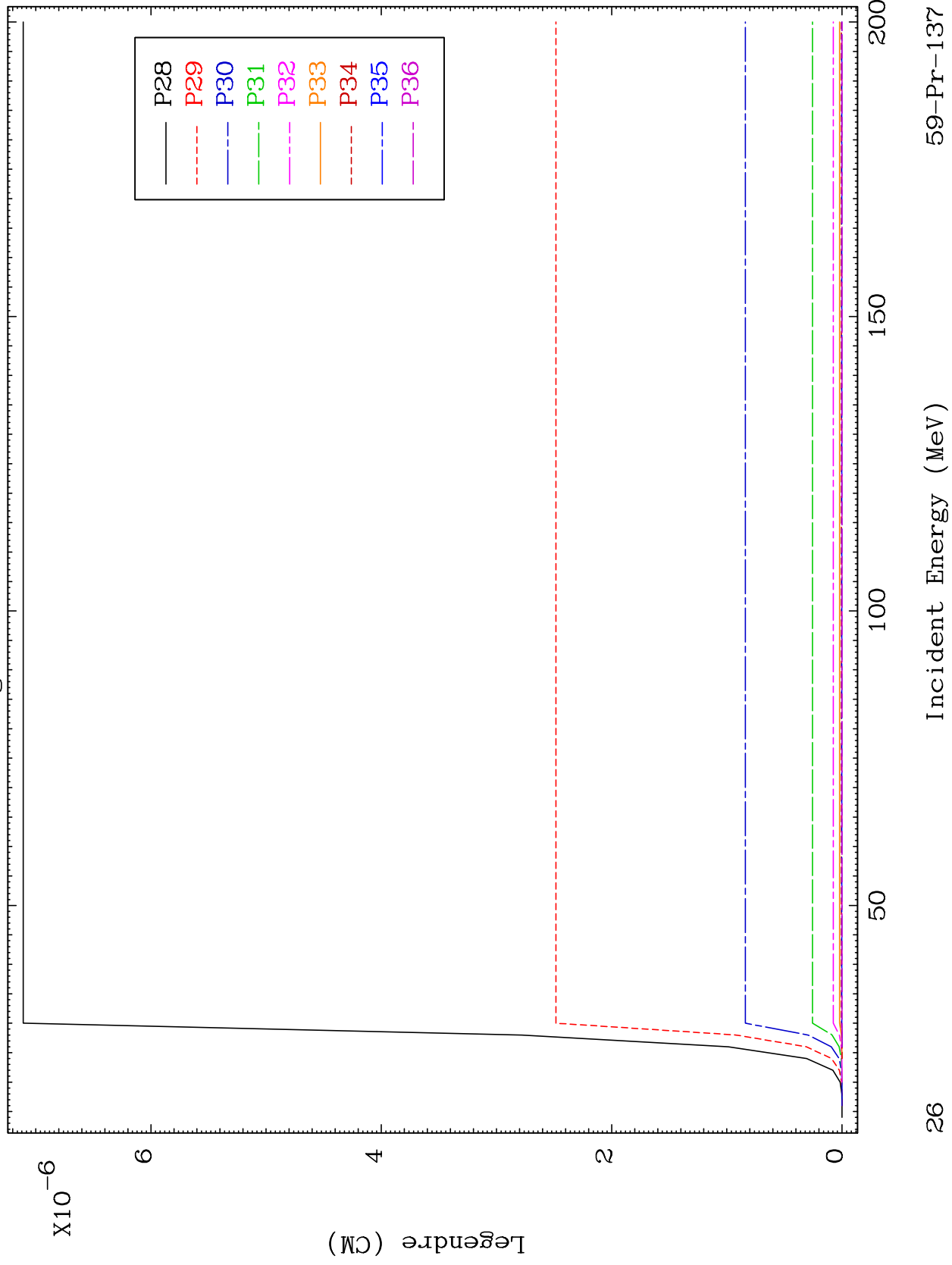
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



26

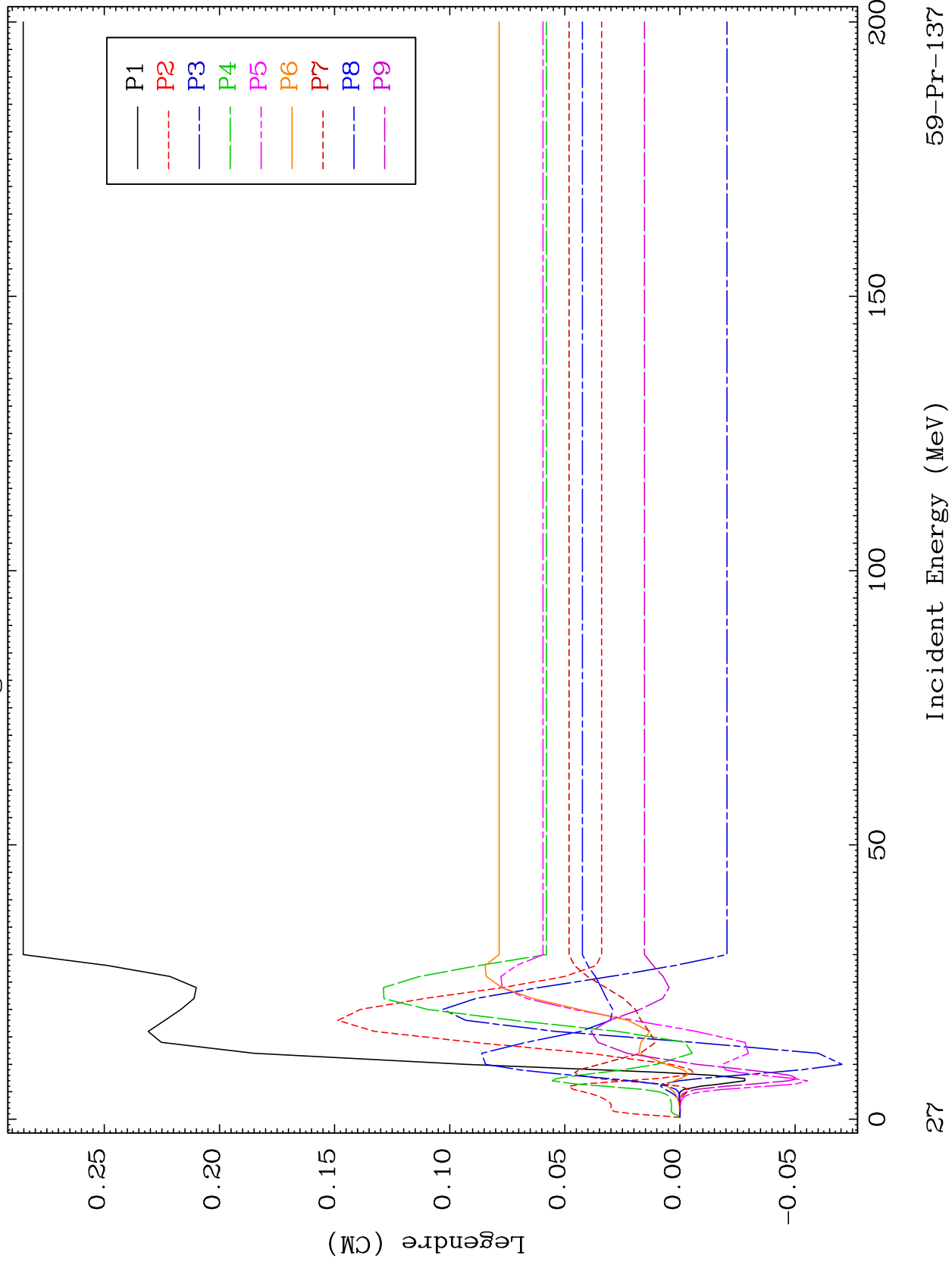
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

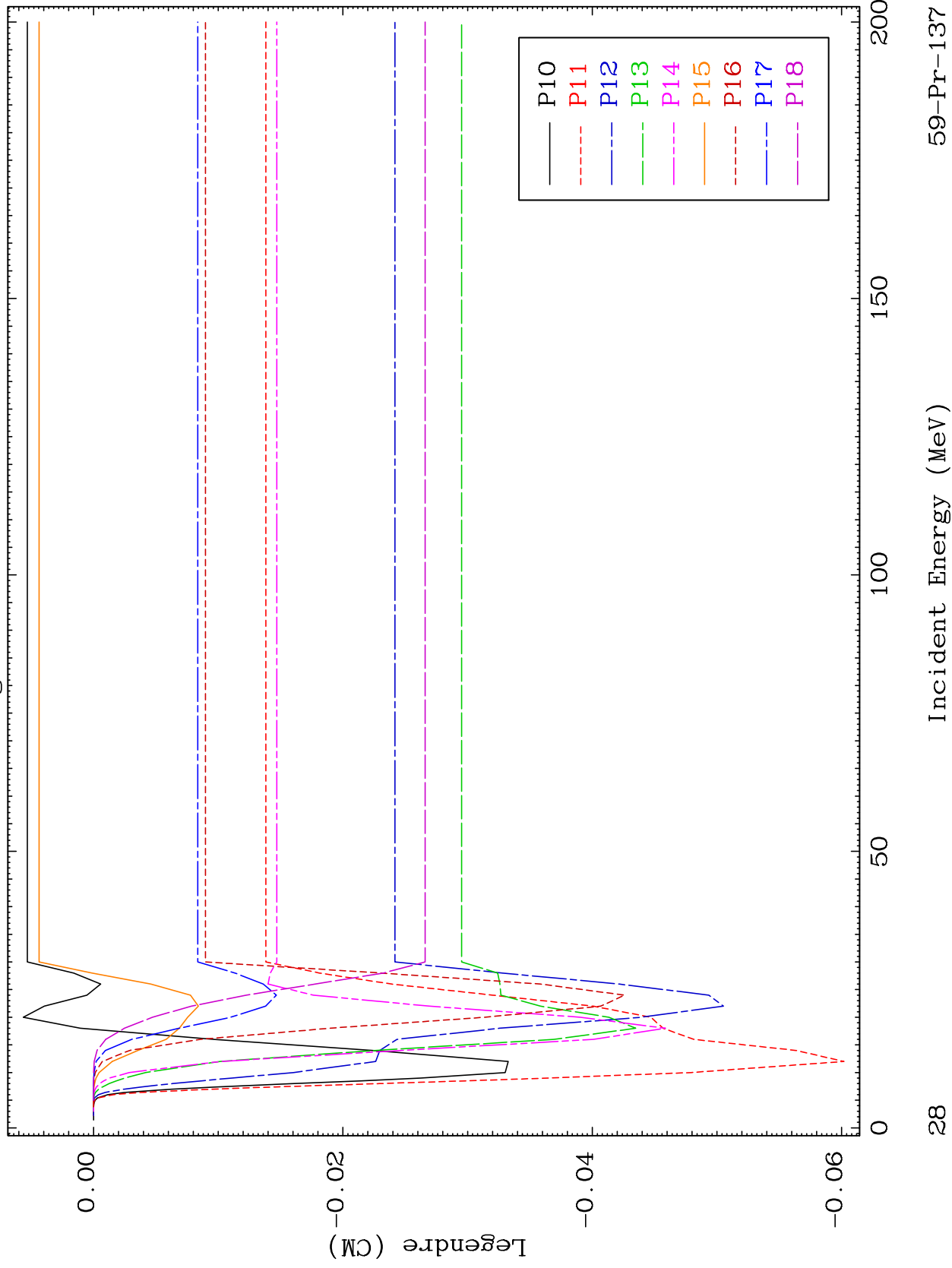
Incident Energy (MeV)

27

MAT 5913

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

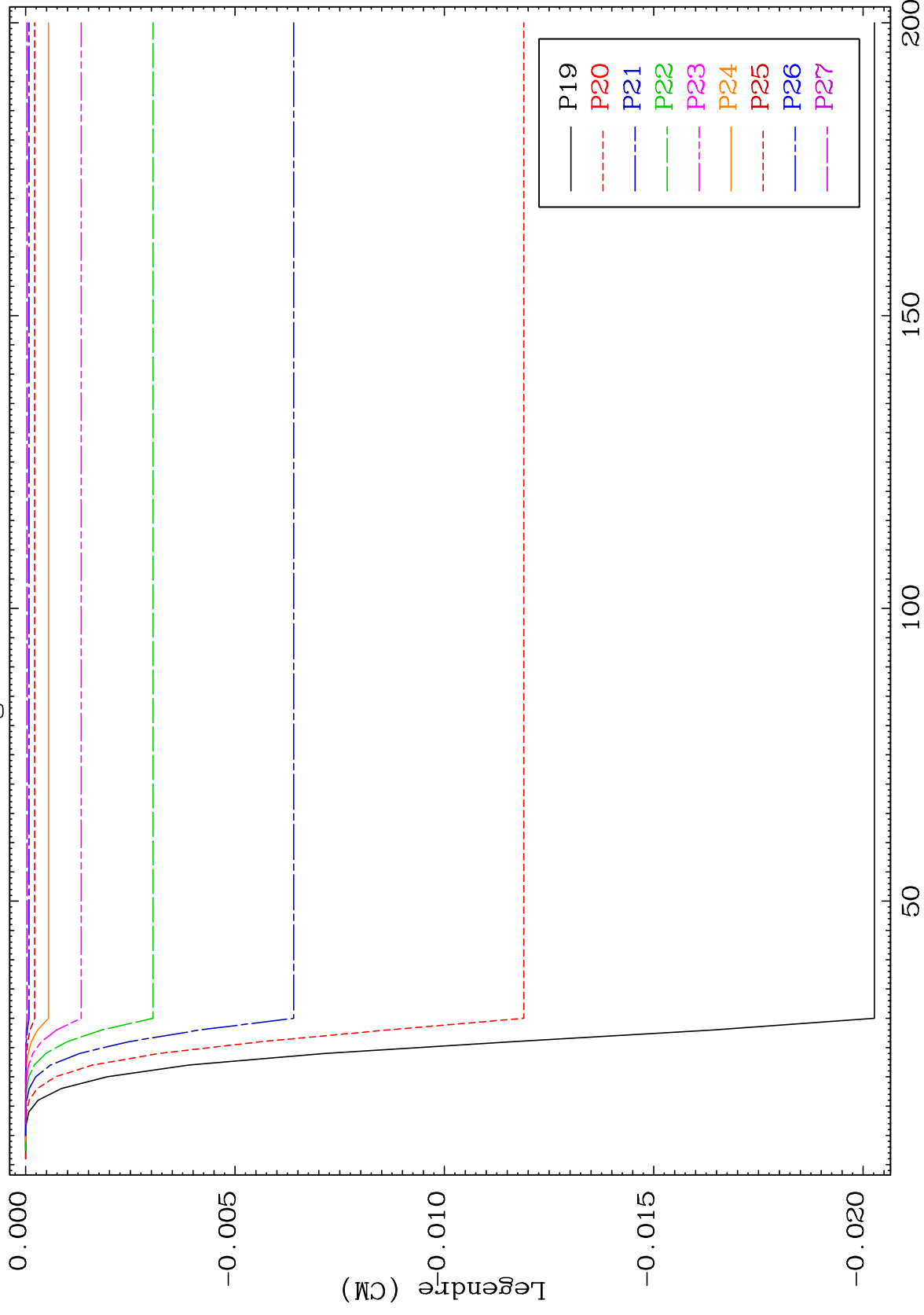
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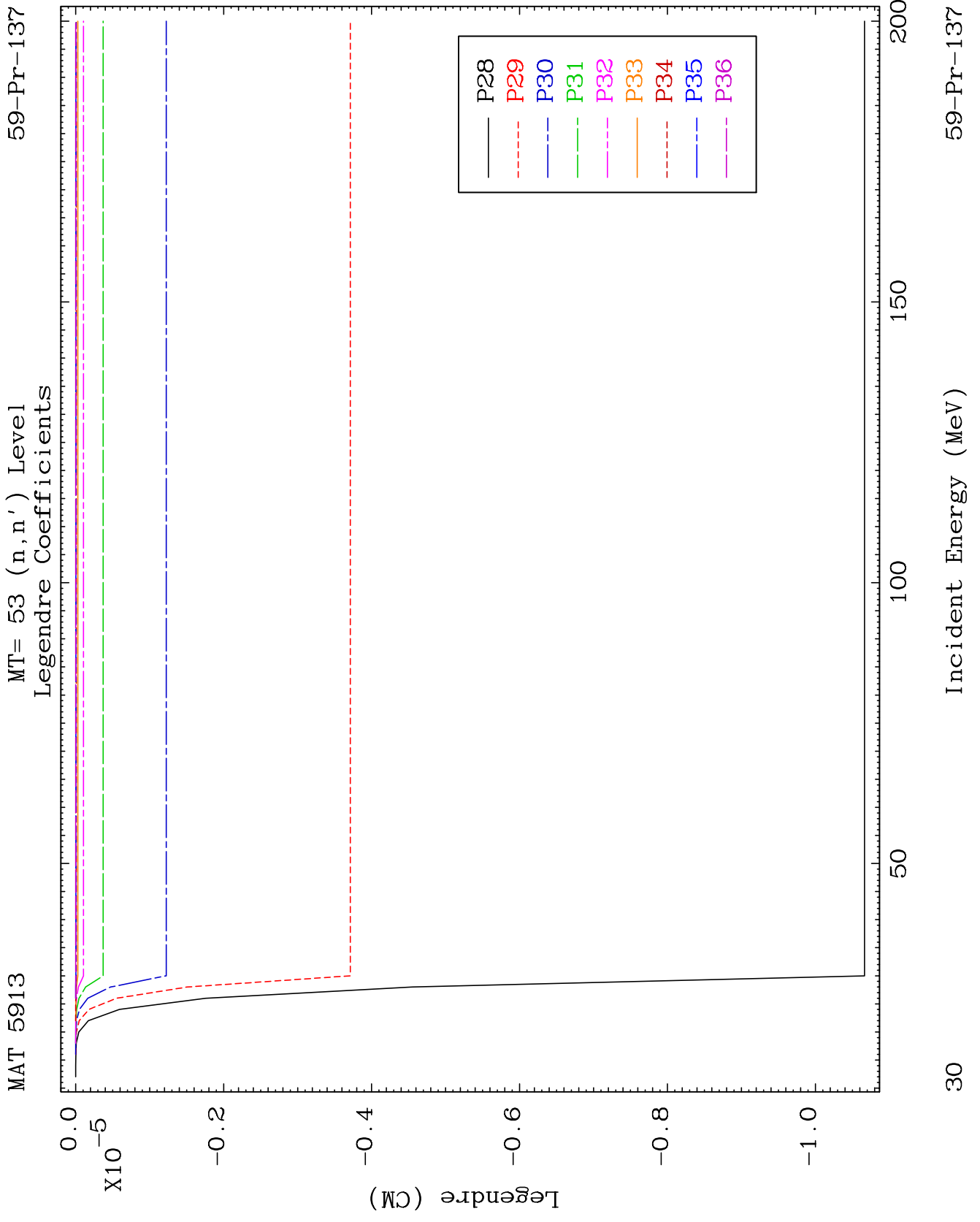


59-Pr-137

Incident Energy (MeV)

28



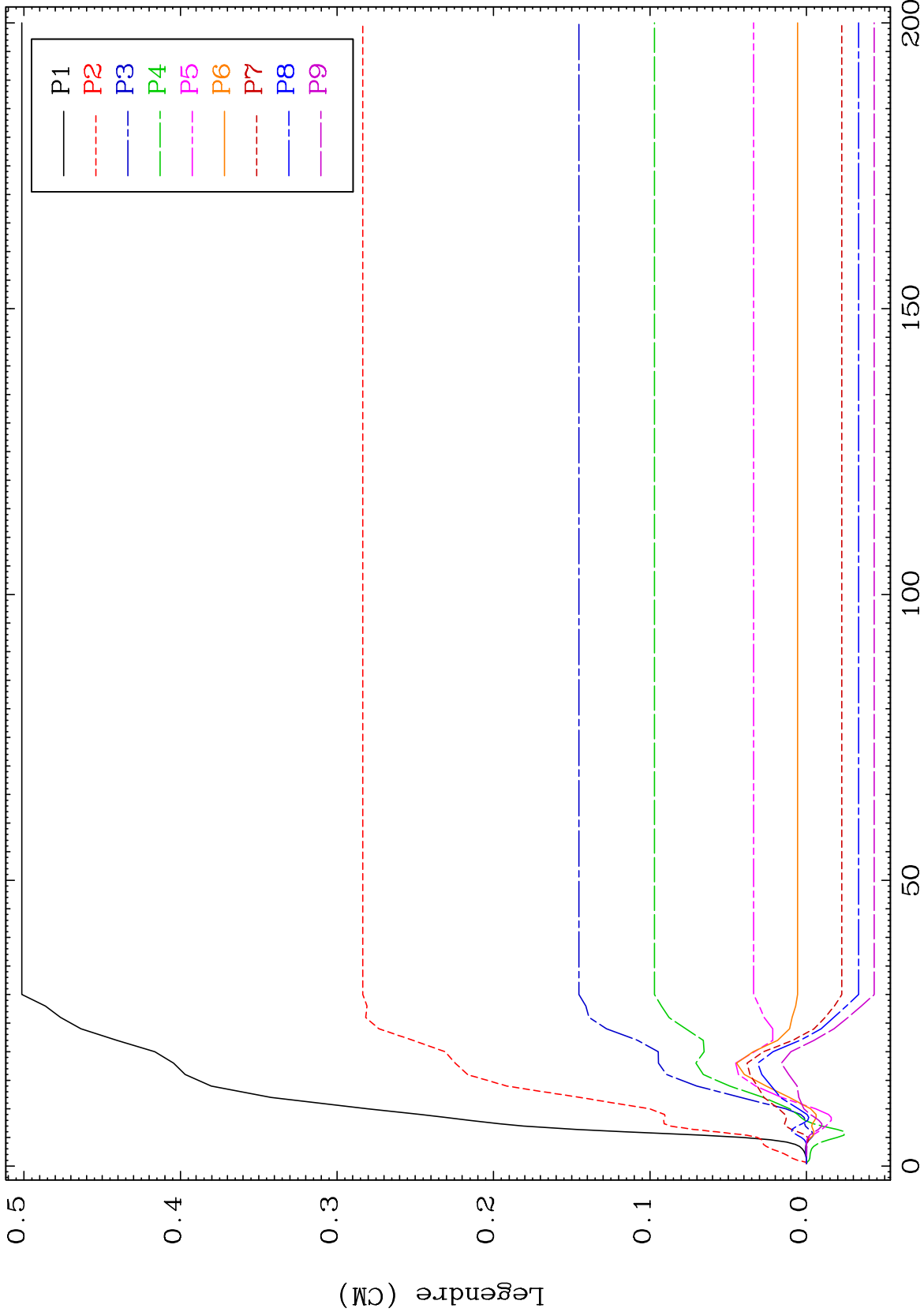


MAT 5913

MT= 54 (n,n') Level

59-Pr-137

Legendre Coefficients



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Incident Energy (MeV)

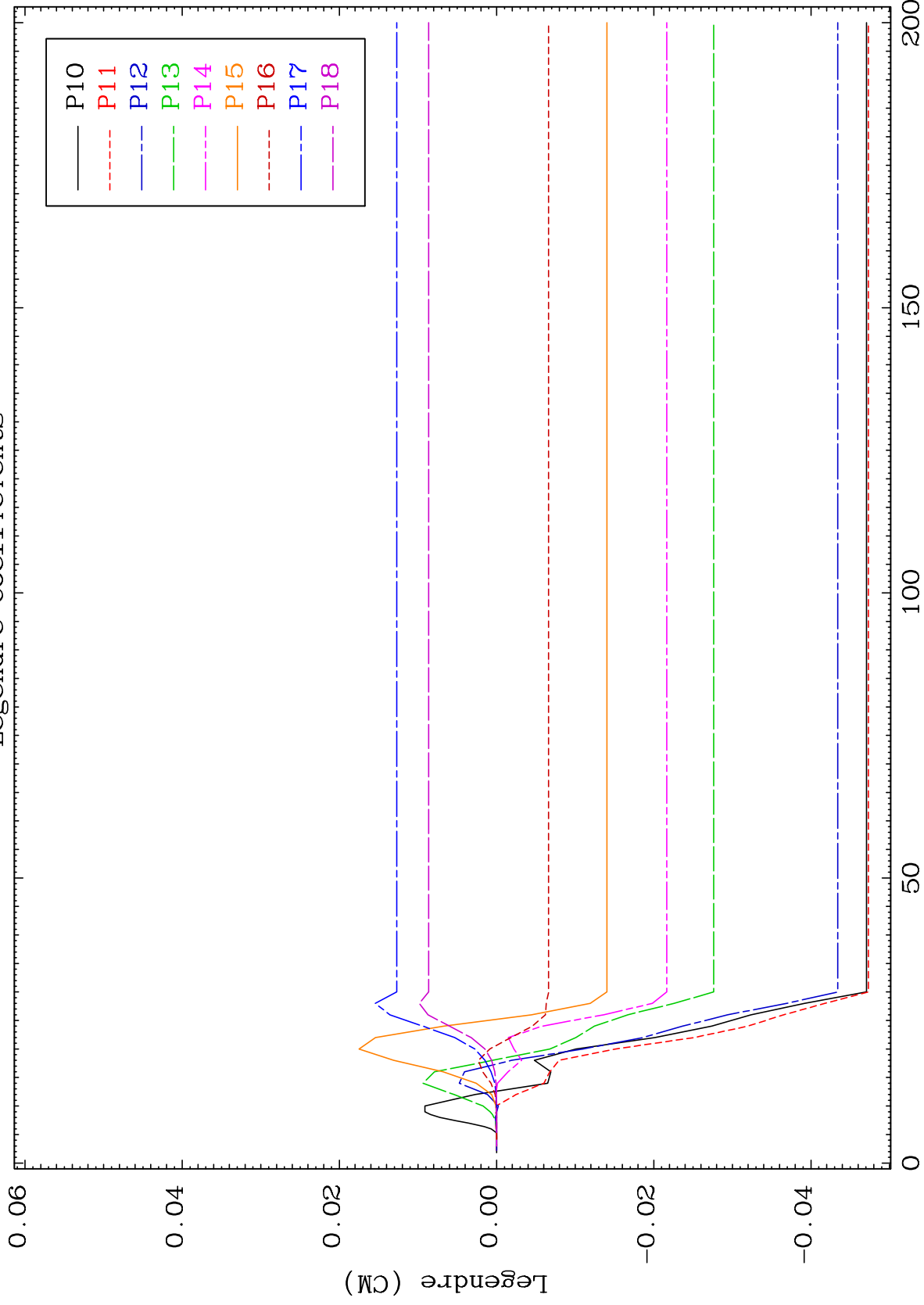
59-Pr-137



MAT 5913

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

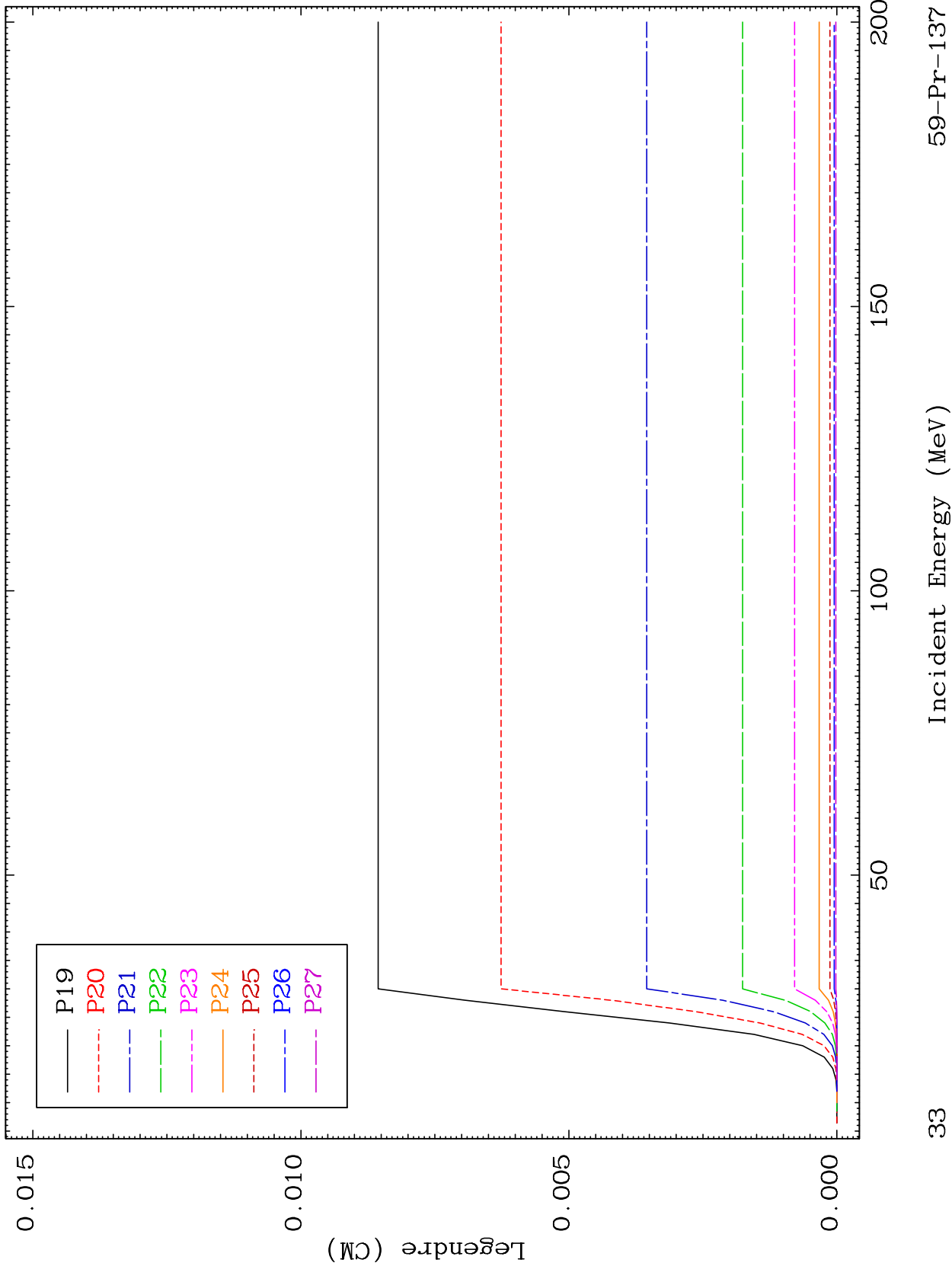
59-Pr-137



32

Incident Energy (MeV)

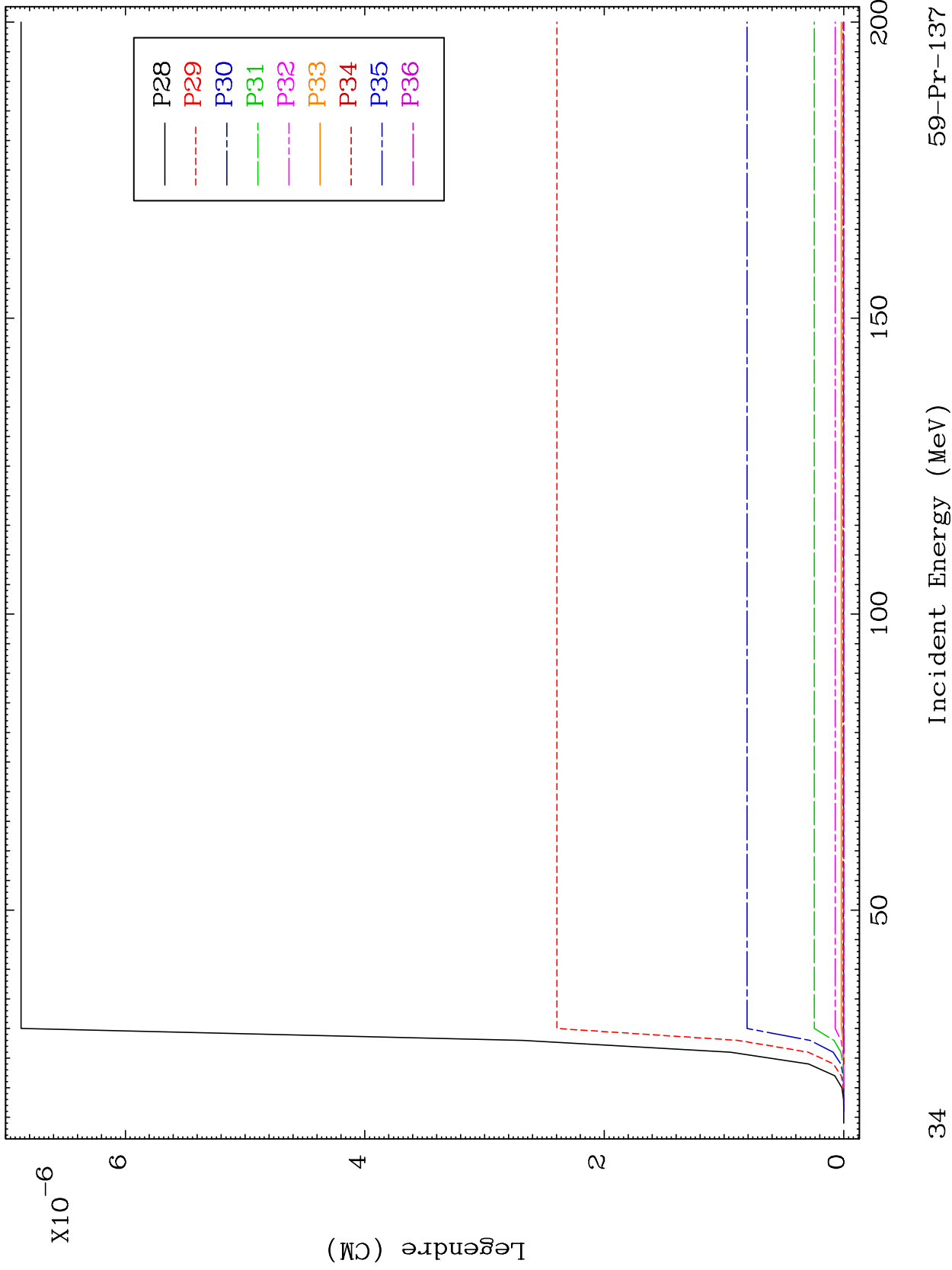
59-Pr-137



MAT 5913

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

59-Pr-137



34

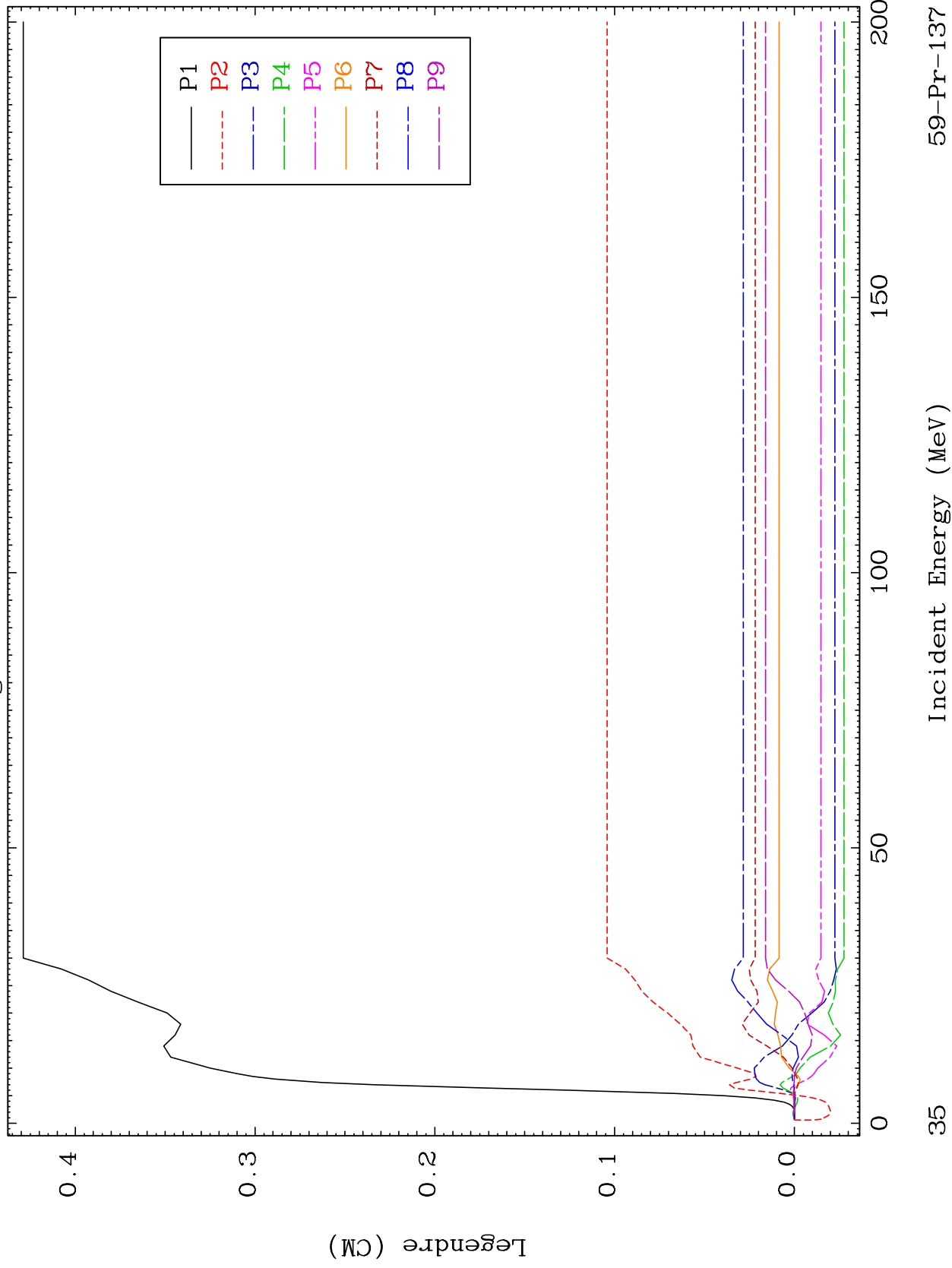
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

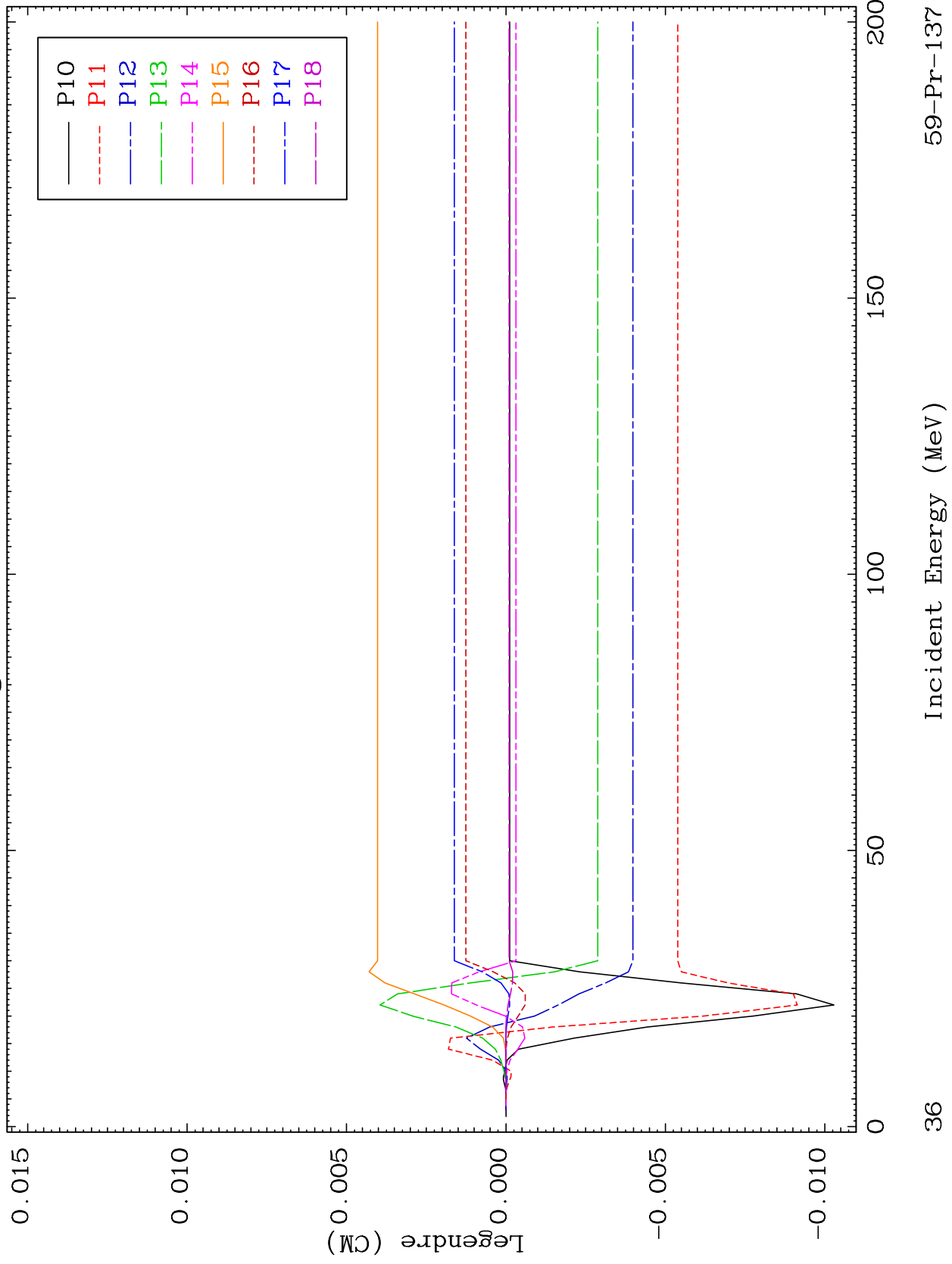
Incident Energy (MeV)

35

MAT 5913

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

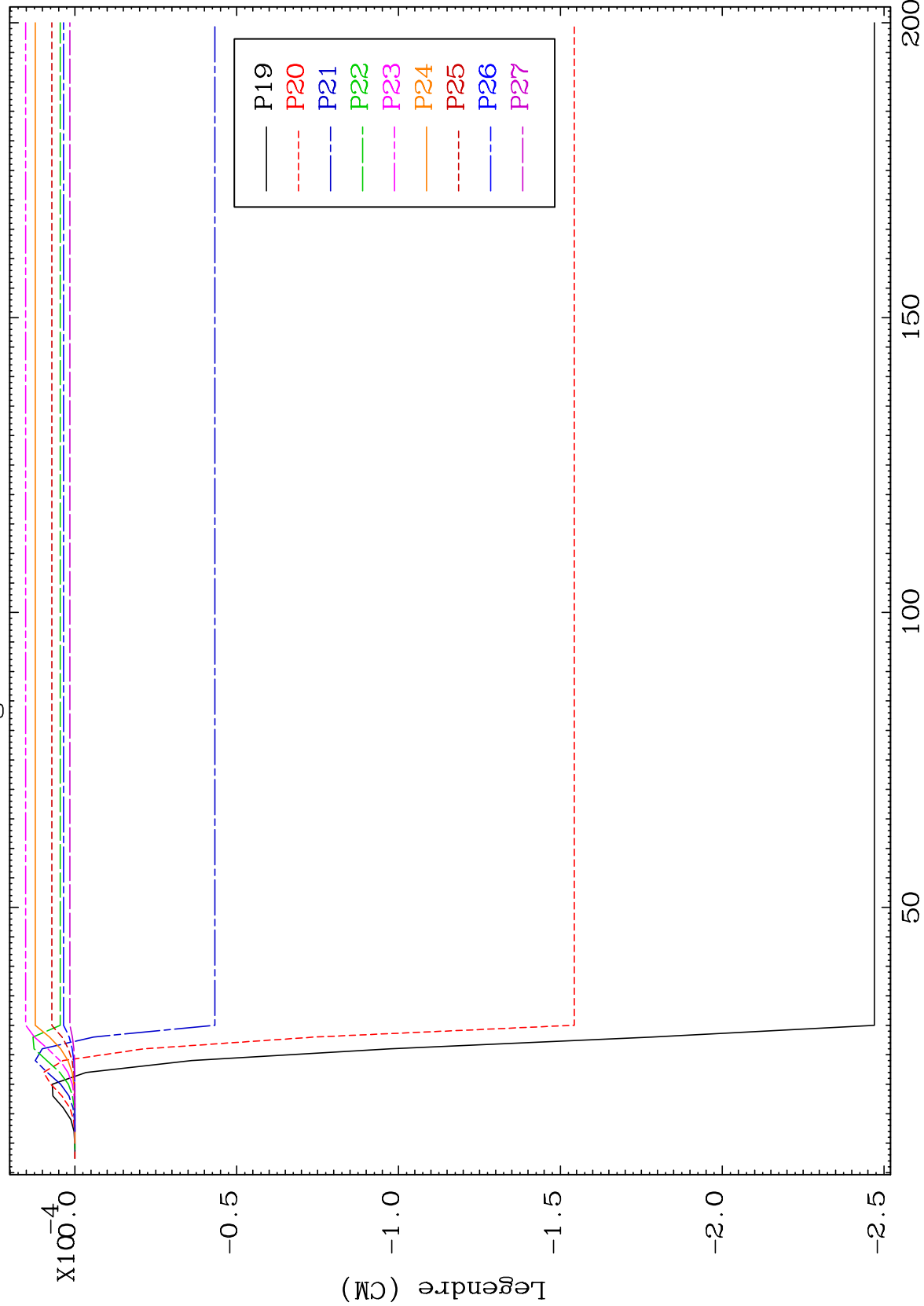
59-Pr-137



36

Incident Energy (MeV)

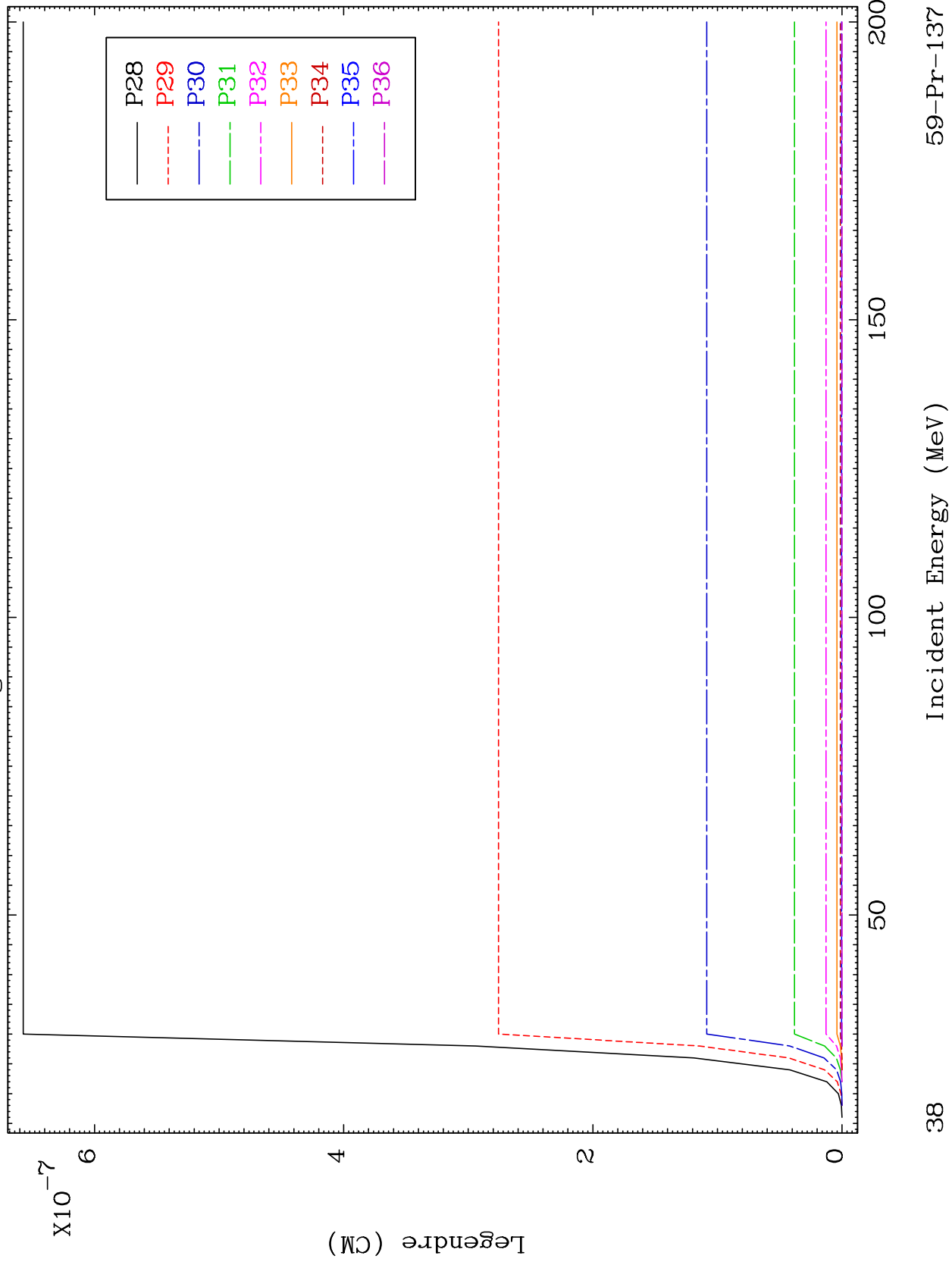
59-Pr-137



MAT 5913

59-Pr-137

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



38

59-Pr-137

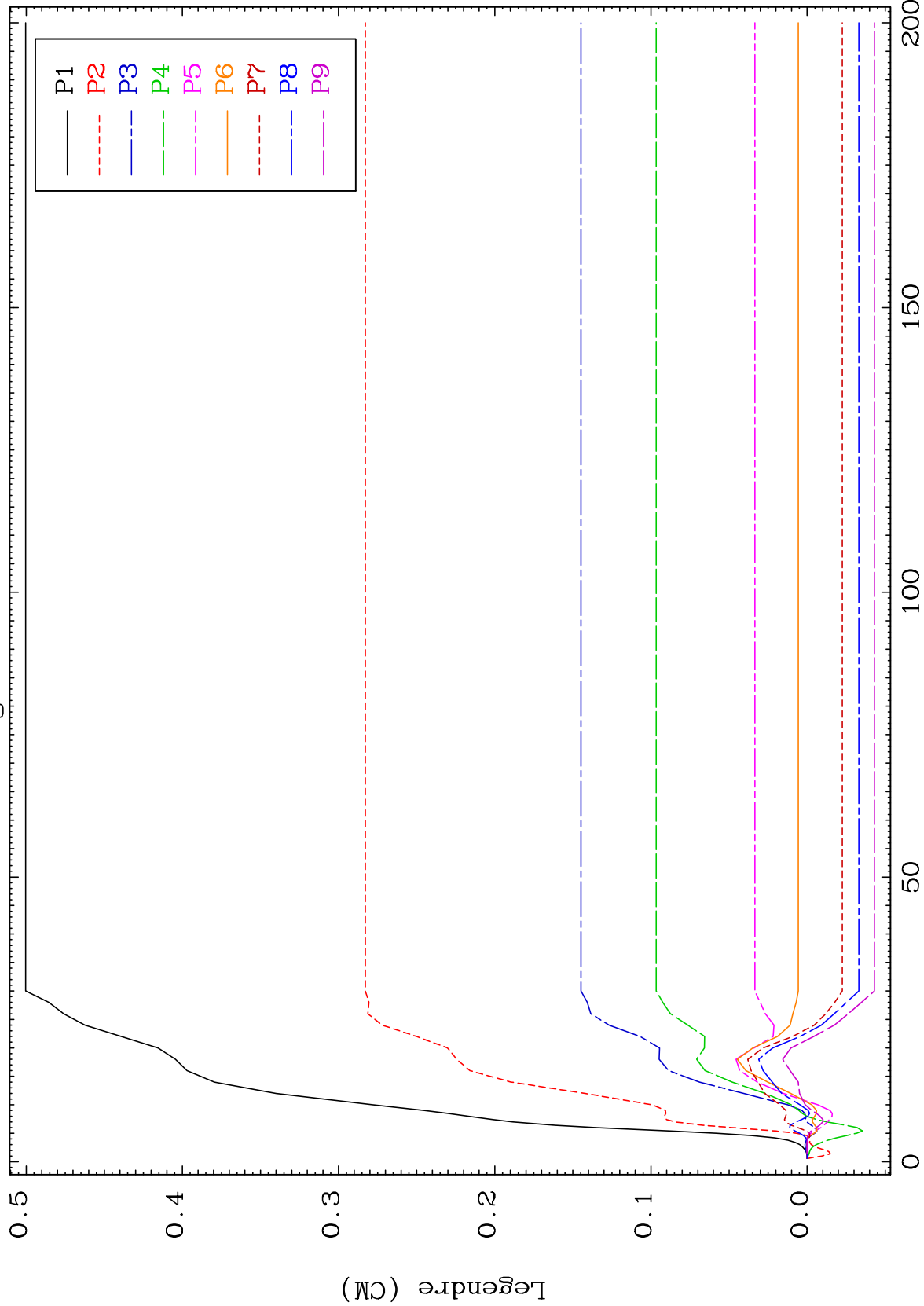
Incident Energy (MeV)

MAT 5913

MT= 56 (n,n') Level

59-Pr-137

Legendre Coefficients

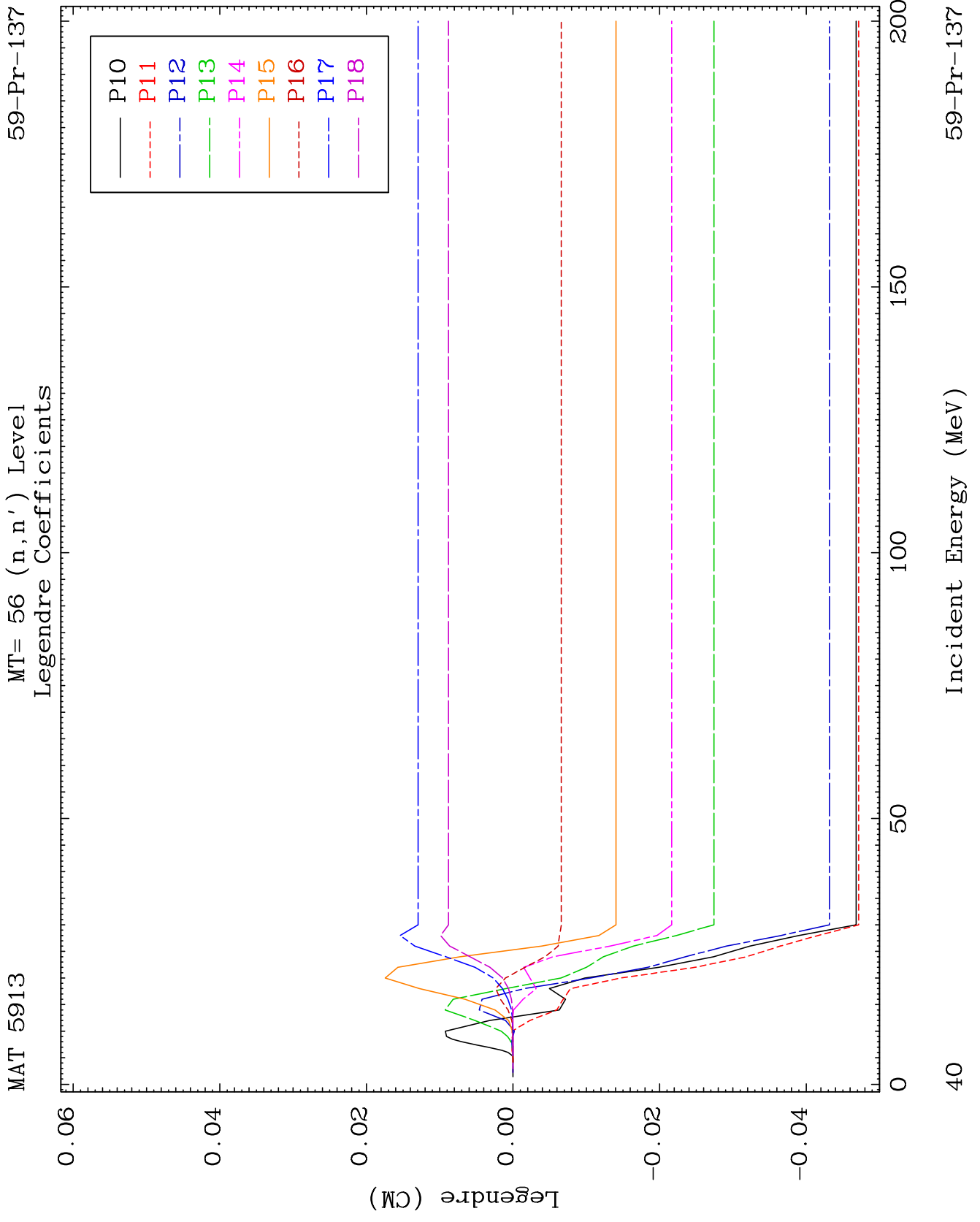


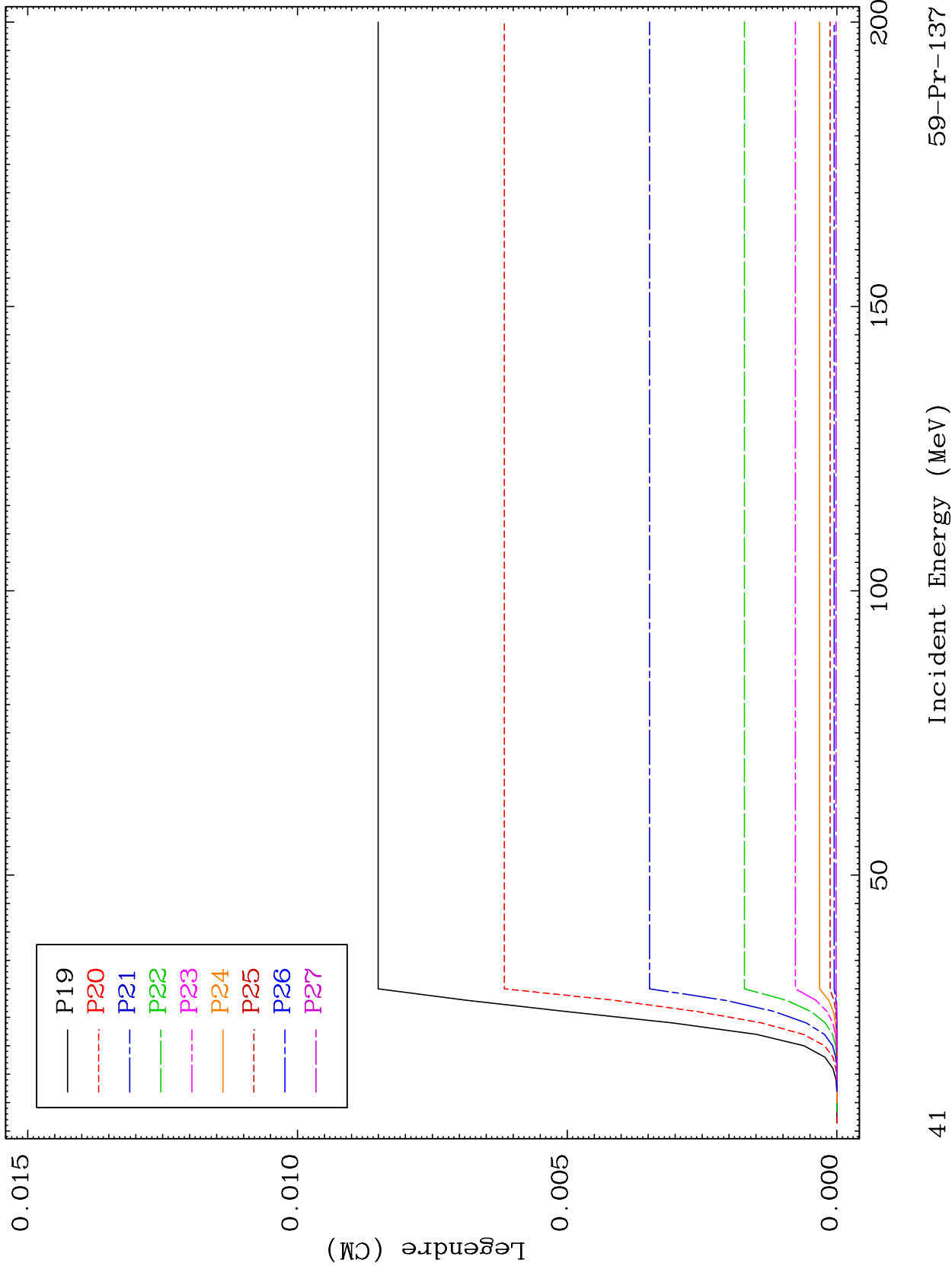
39

Incident Energy (MeV)

59-Pr-137



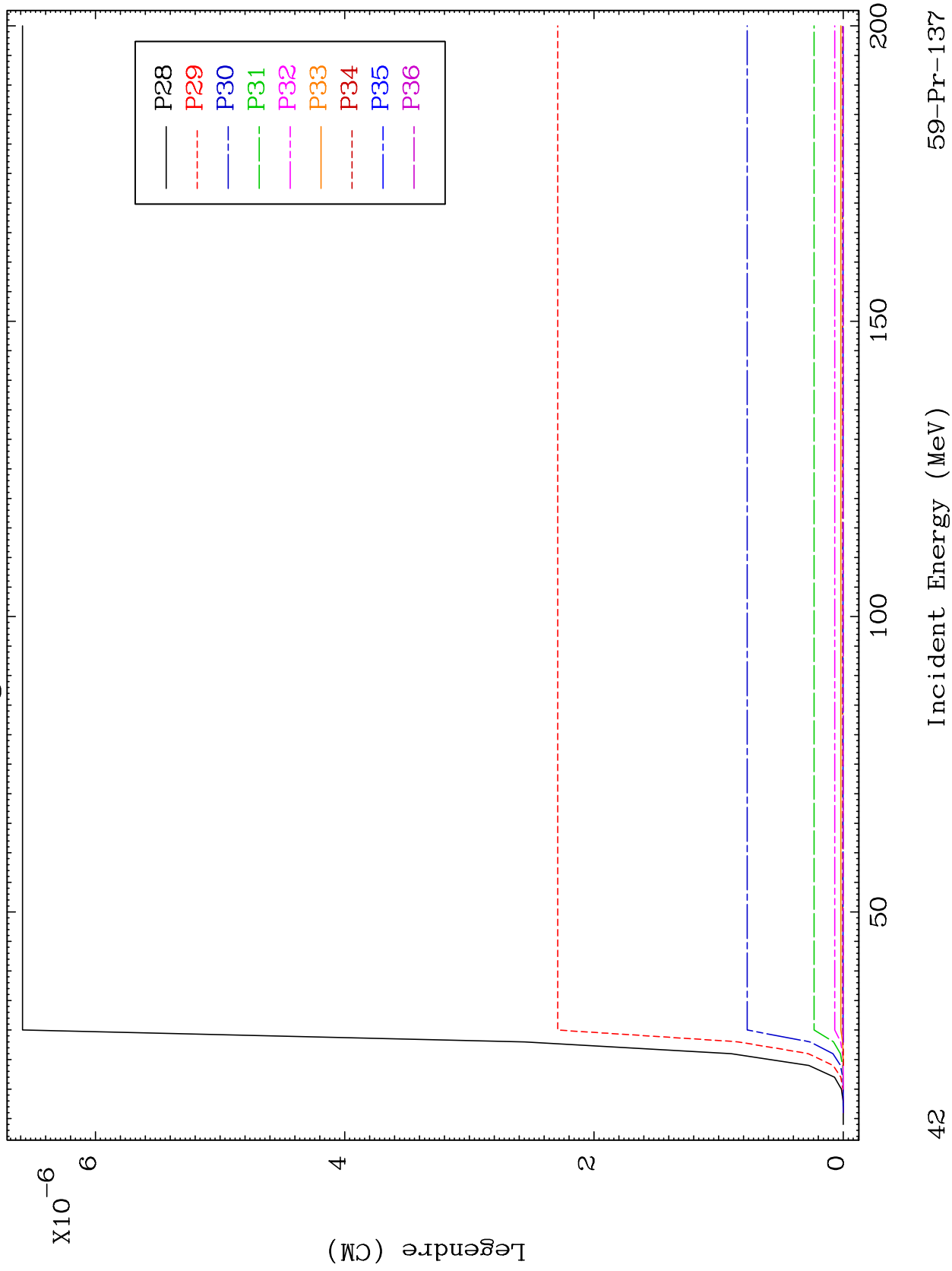




MAT 5913

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

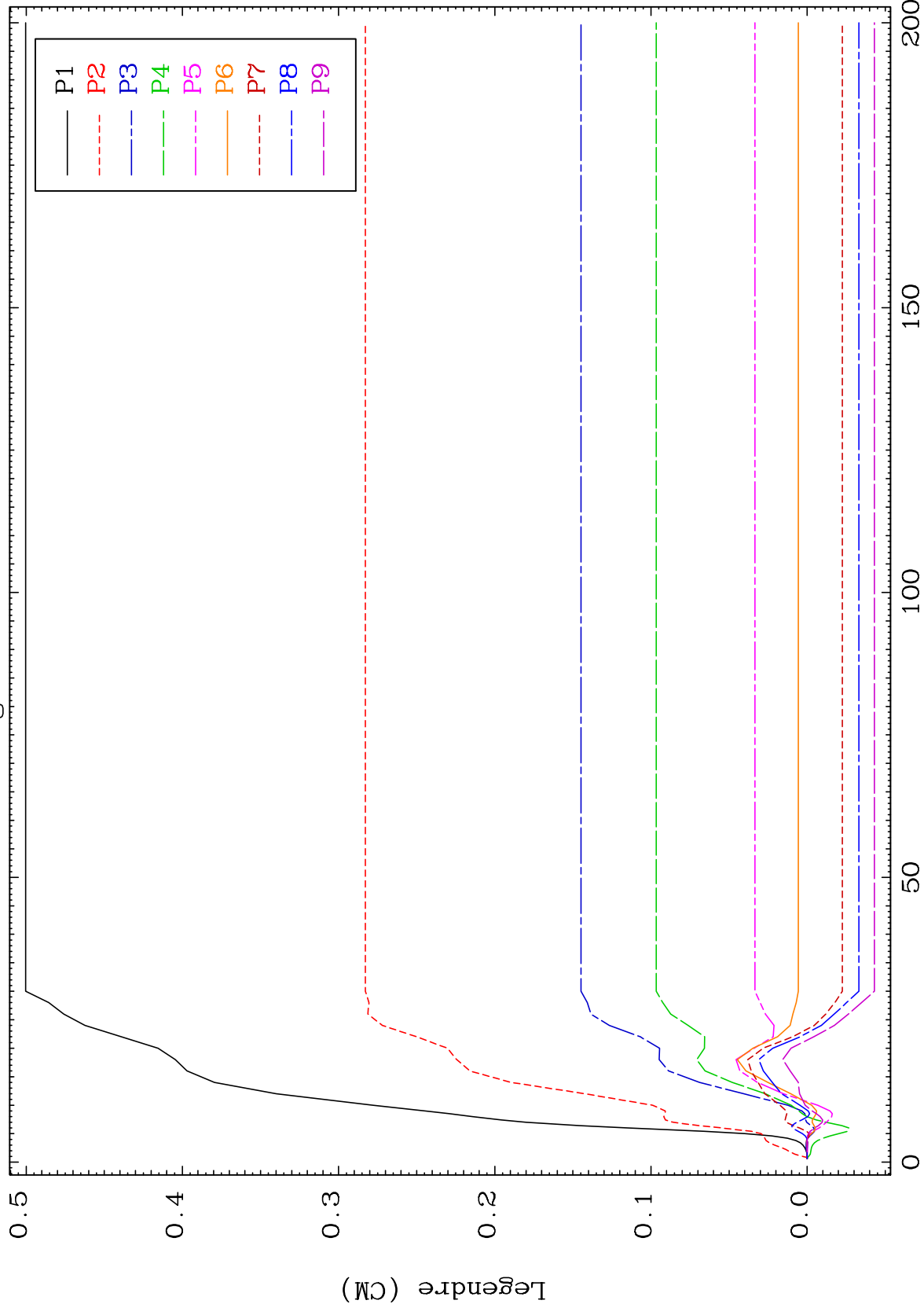
59-Pr-137



MAT 5913

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

59-Pr-137



43

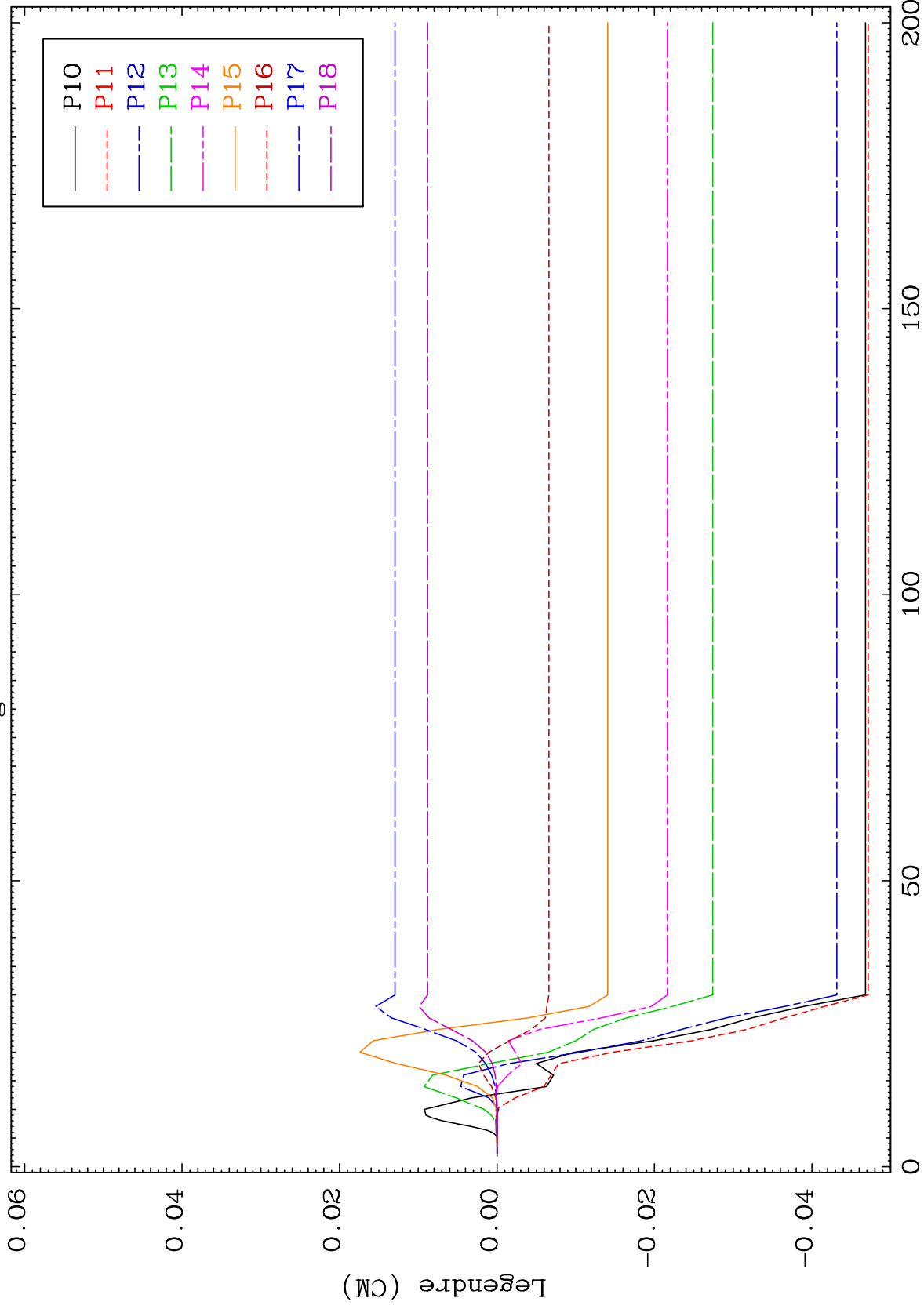
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



44

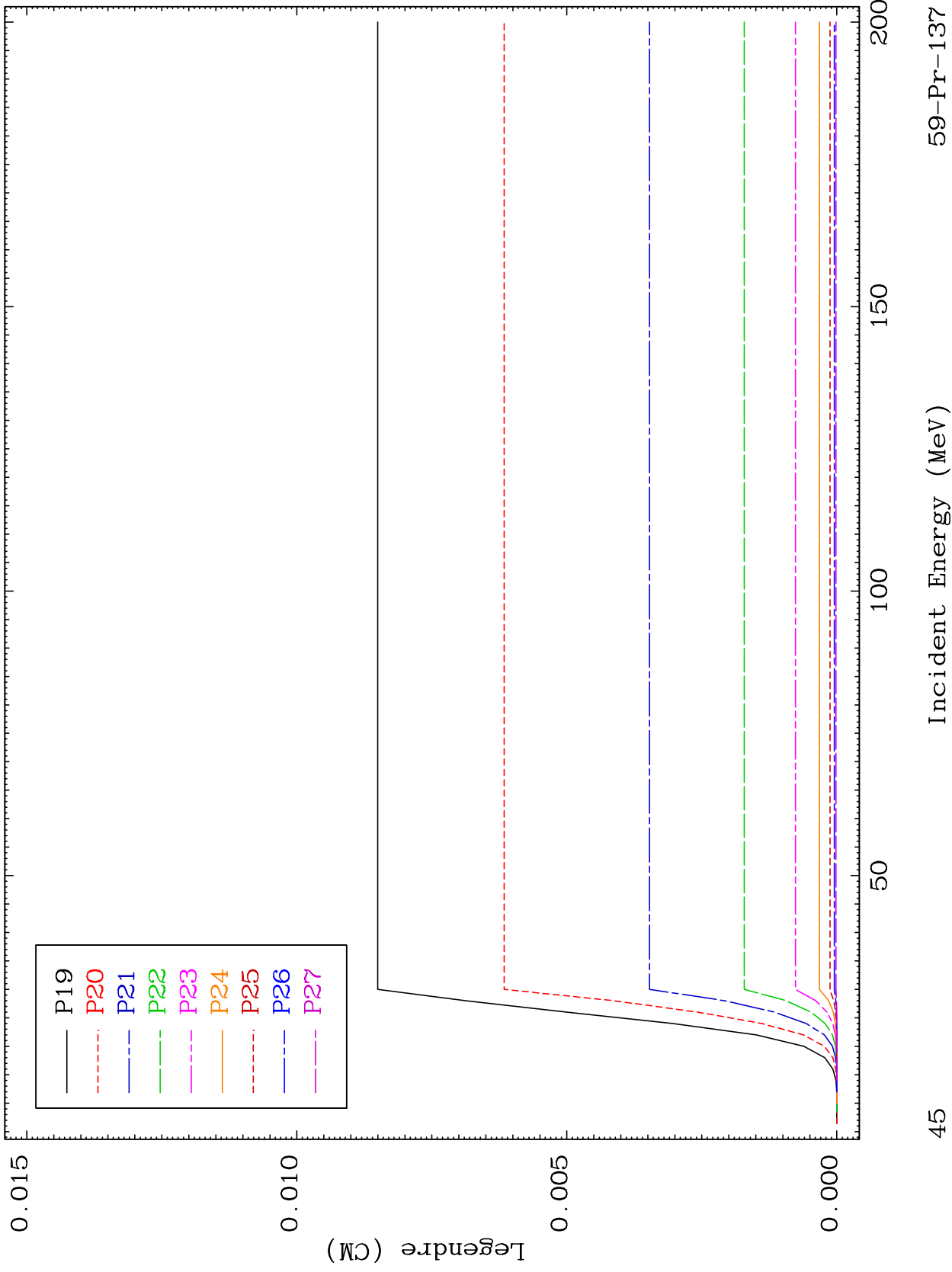
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



45

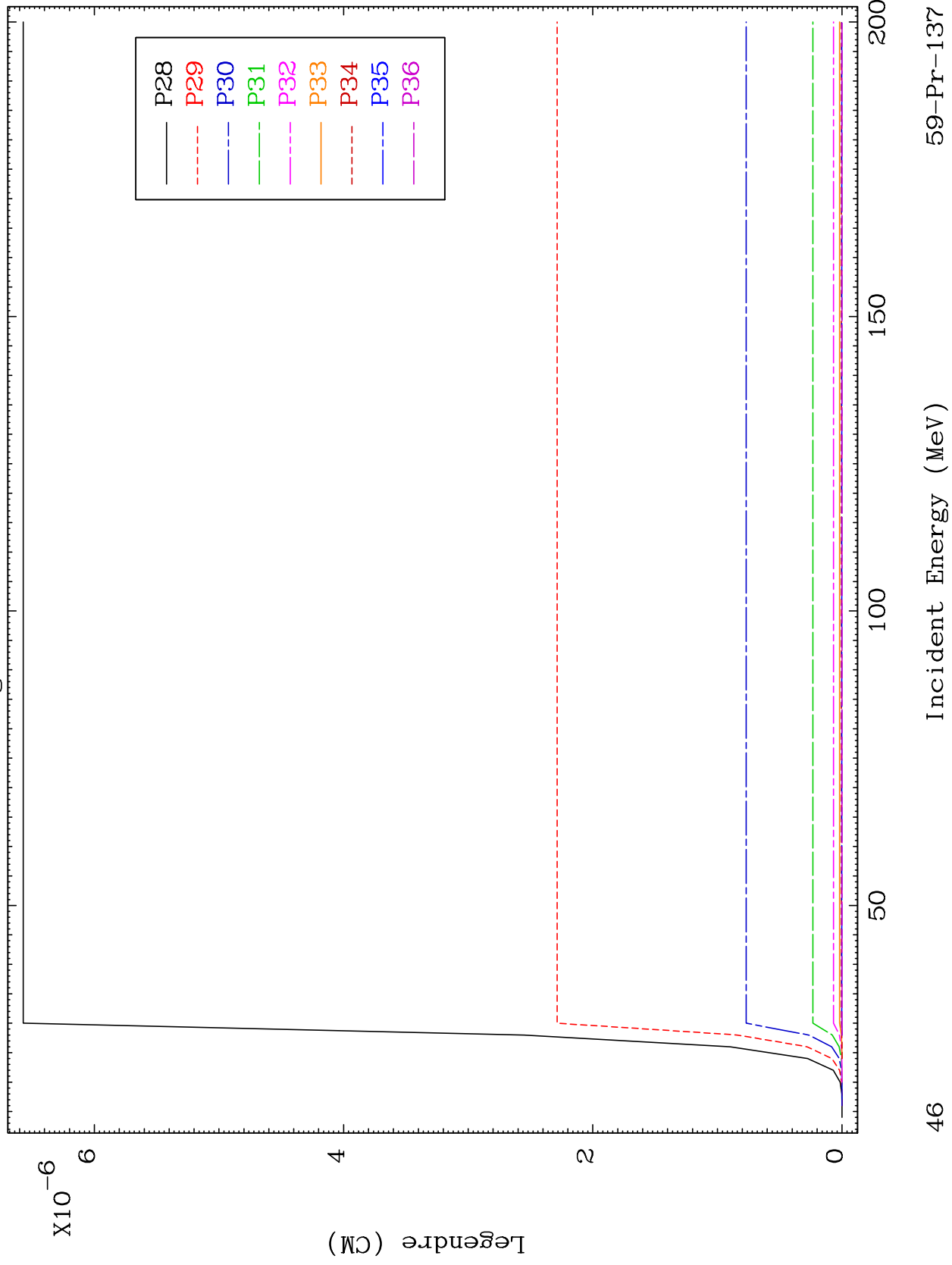
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

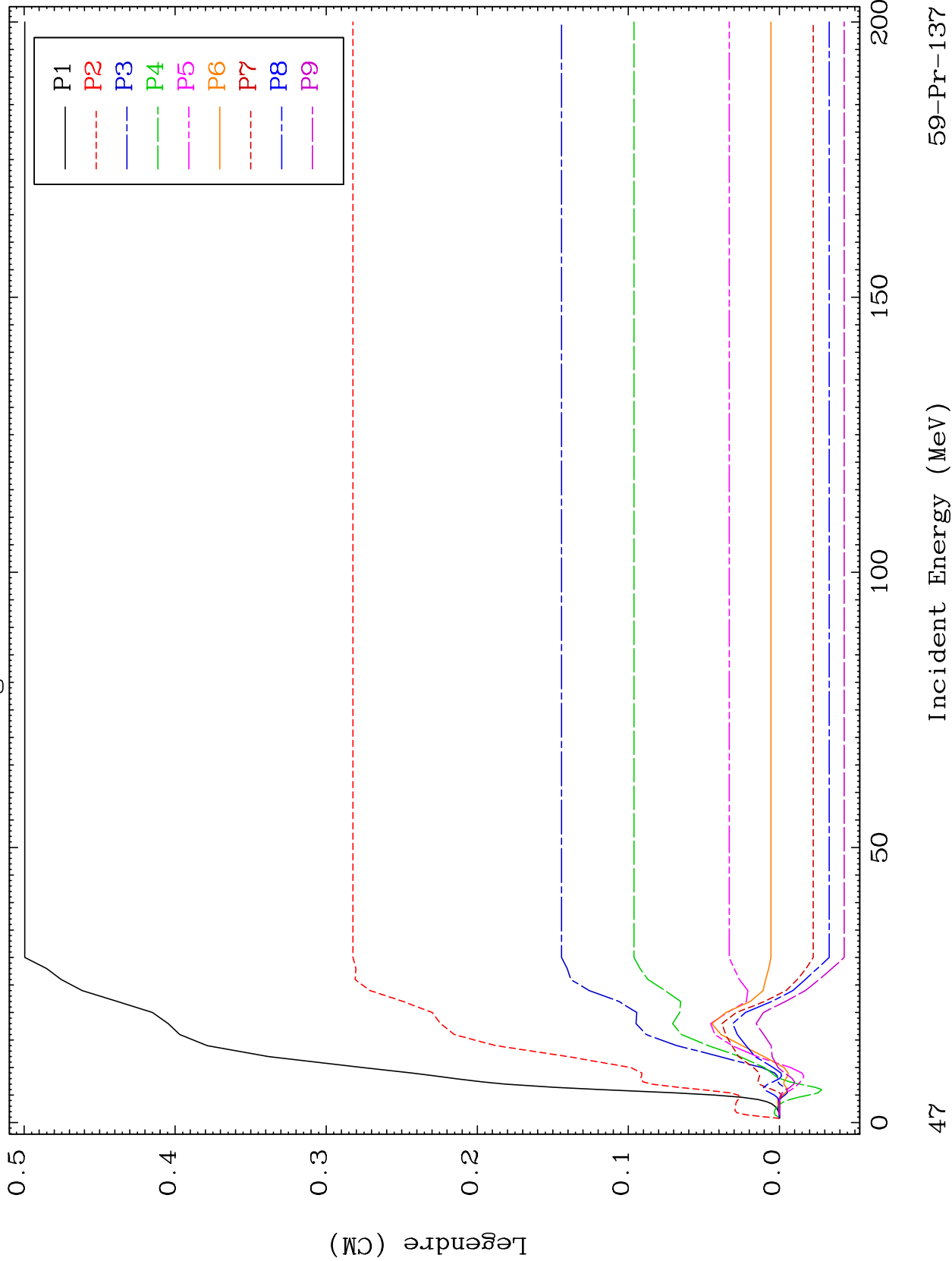
59-Pr-137



MAT 5913

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

59-Pr-137

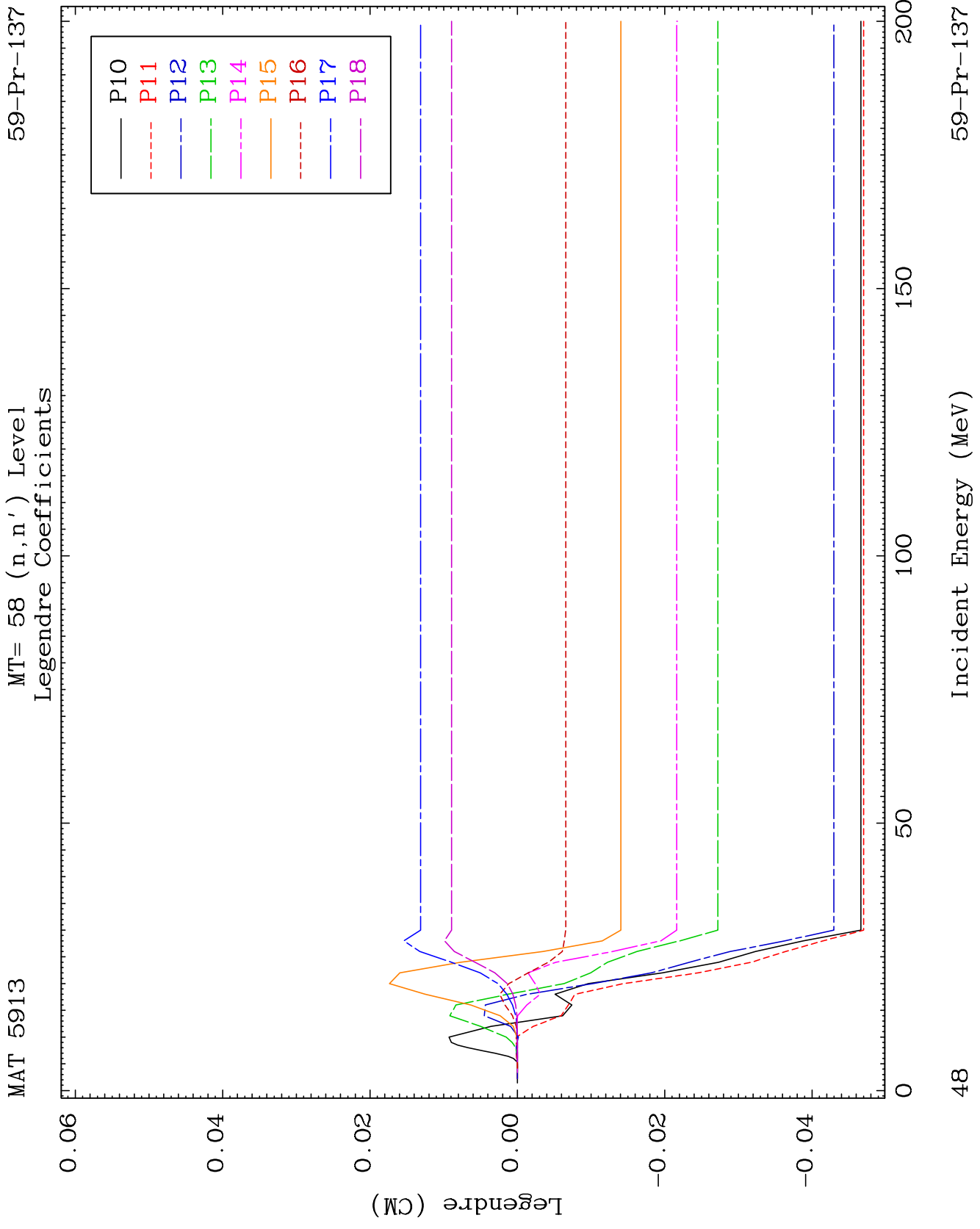


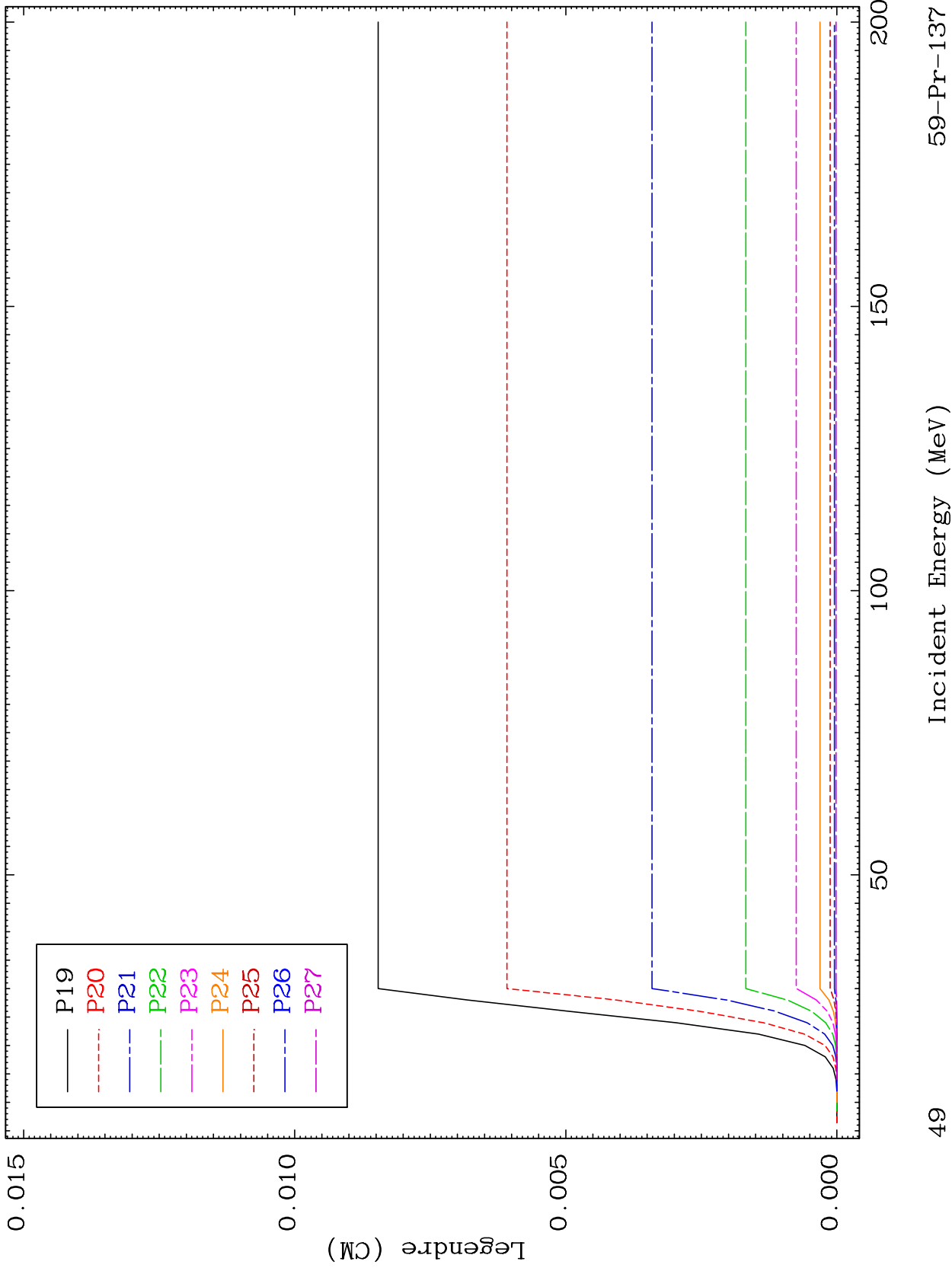
59-Pr-137

Incident Energy (MeV)

47



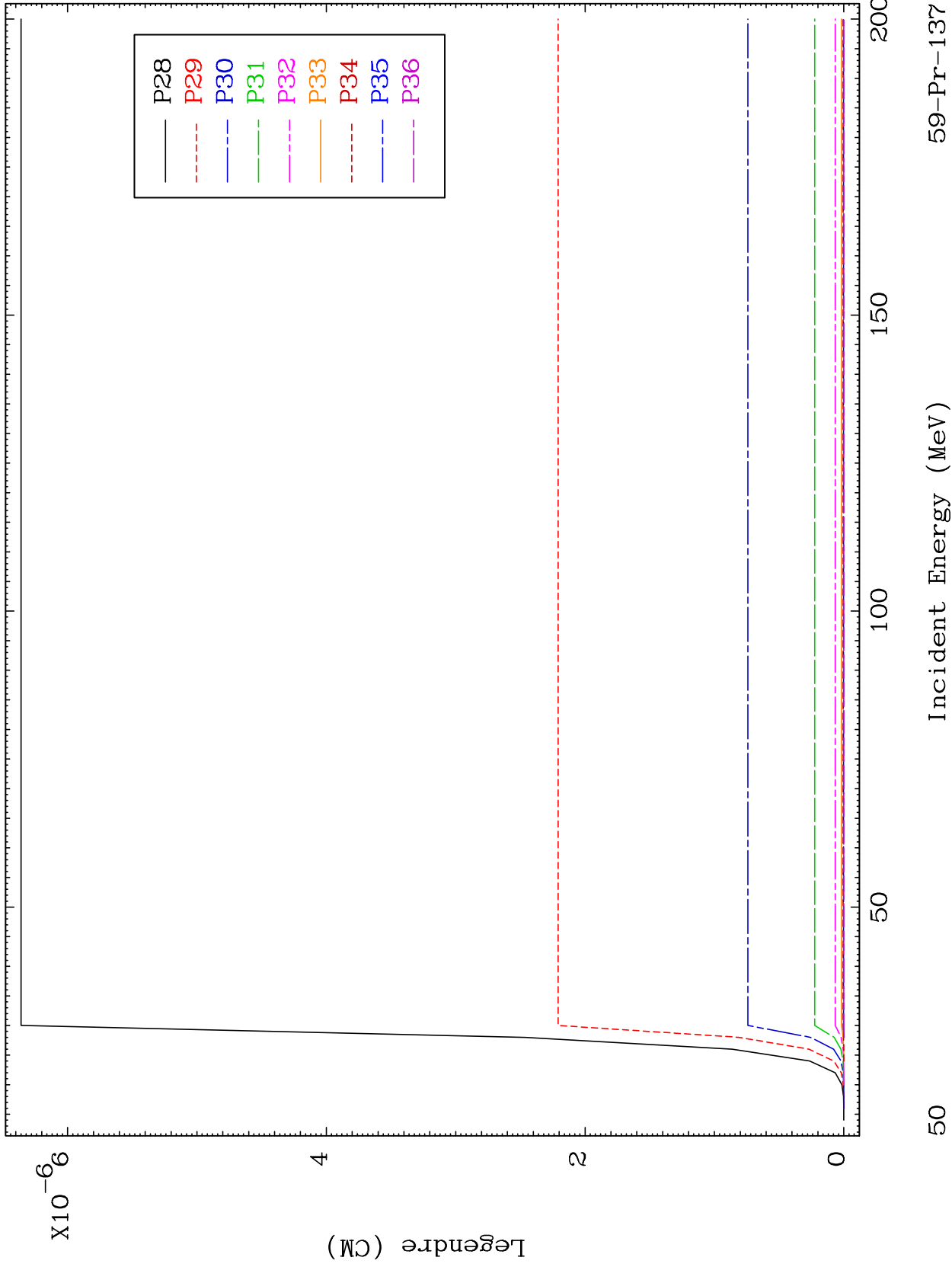




MAT 5913

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

59-Pr-137



50

50

100

150

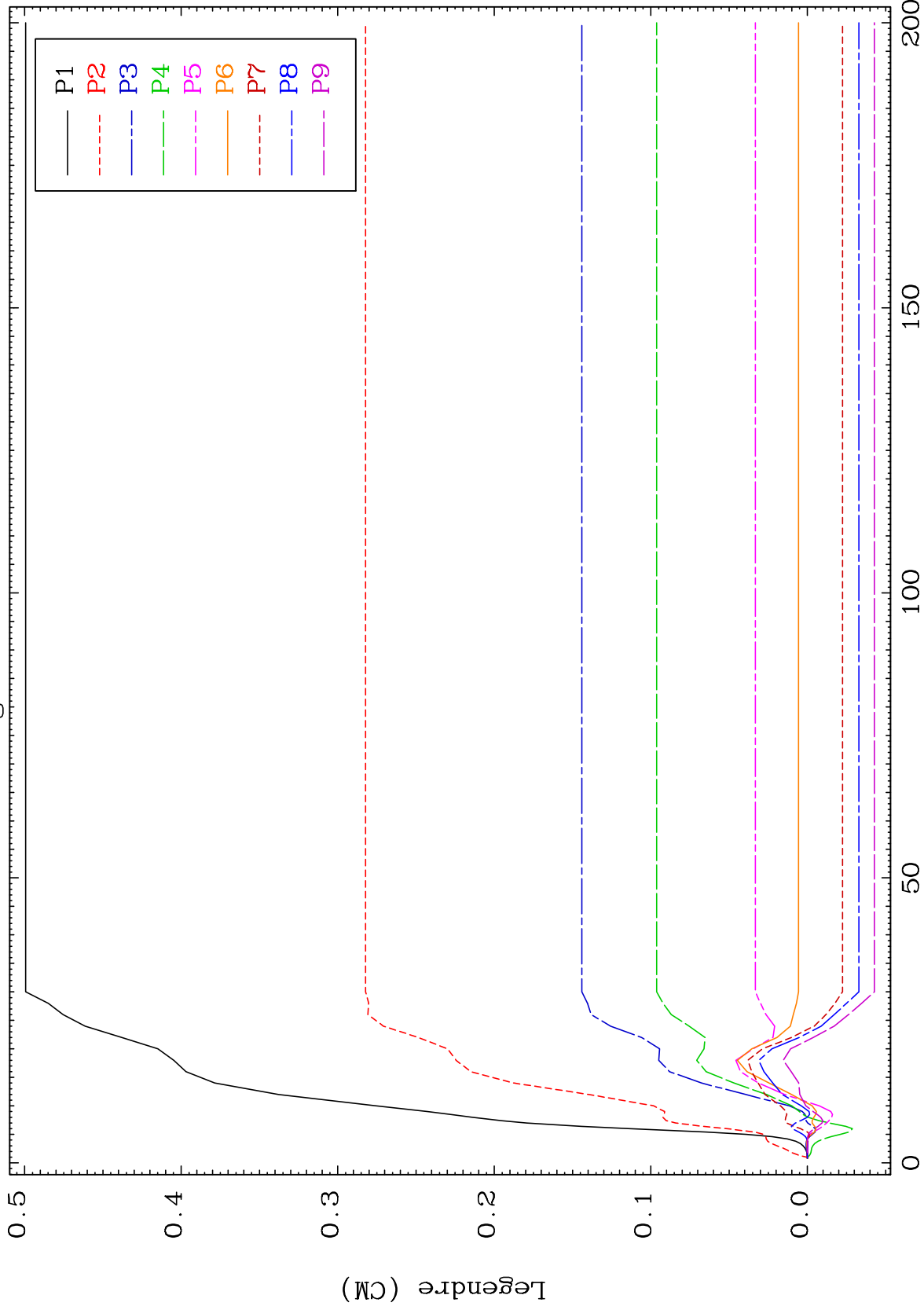
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59-Pr-137

MAT 5913

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

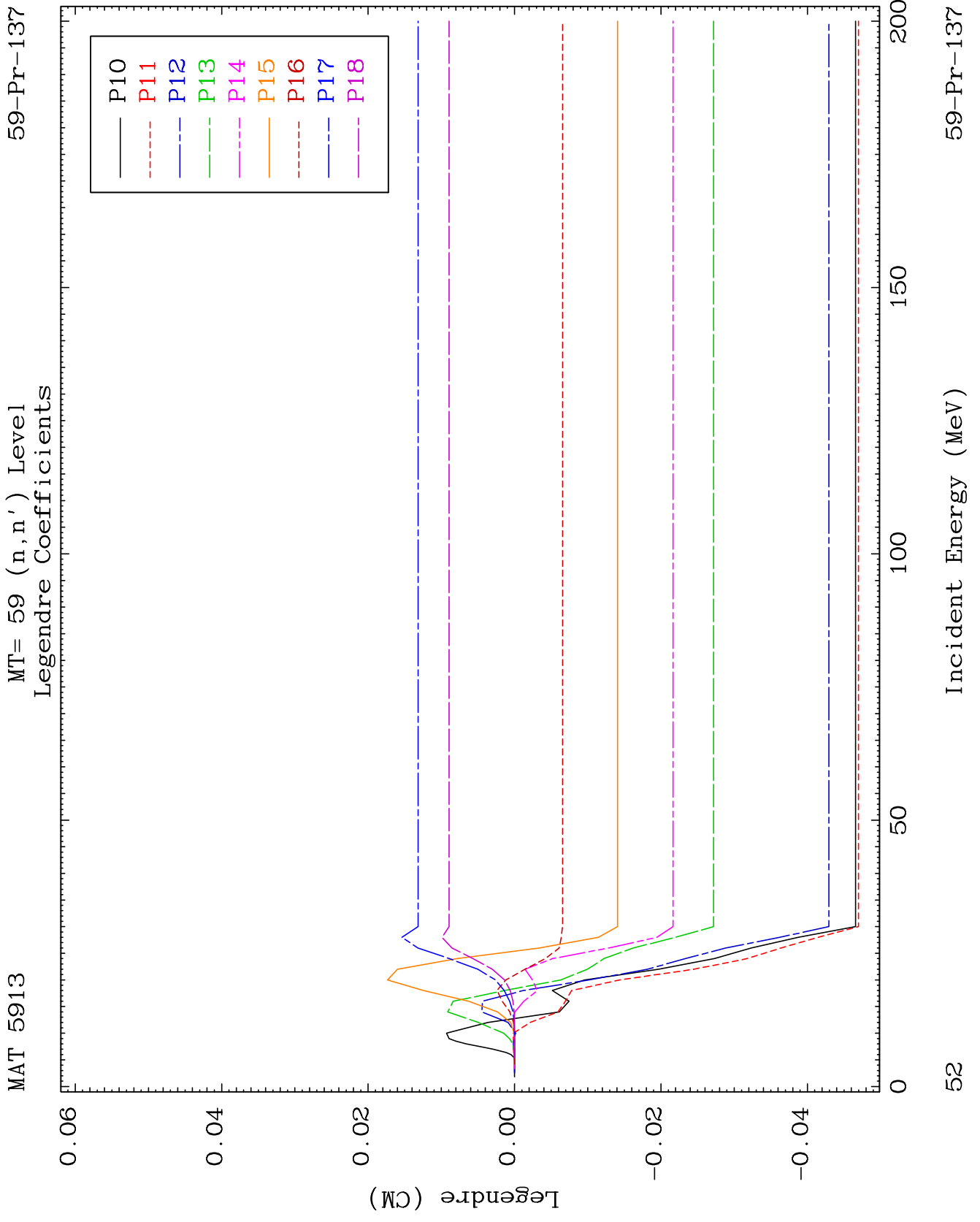
59-Pr-137



51

Incident Energy (MeV)

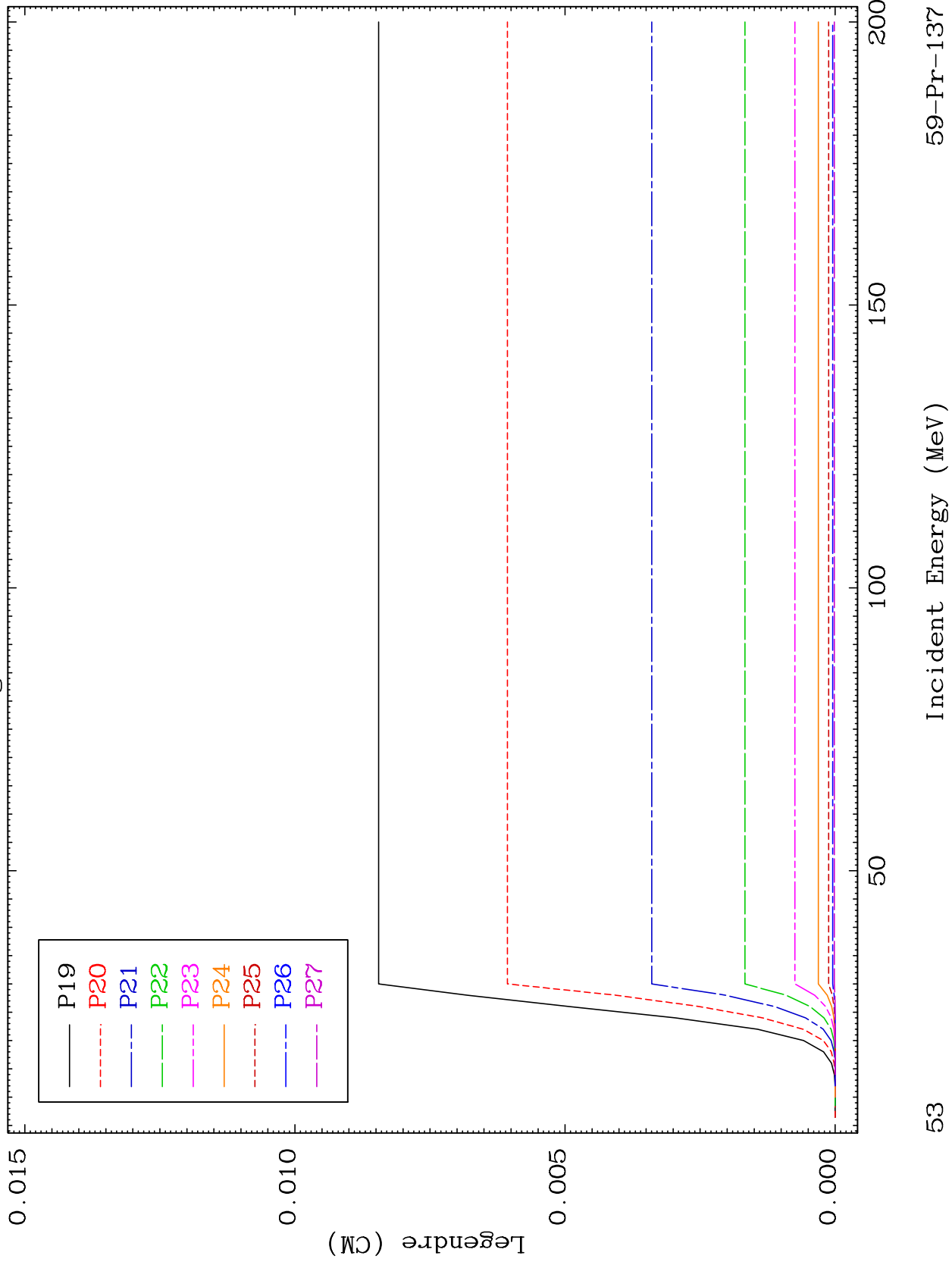
59-Pr-137



MAT 5913

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

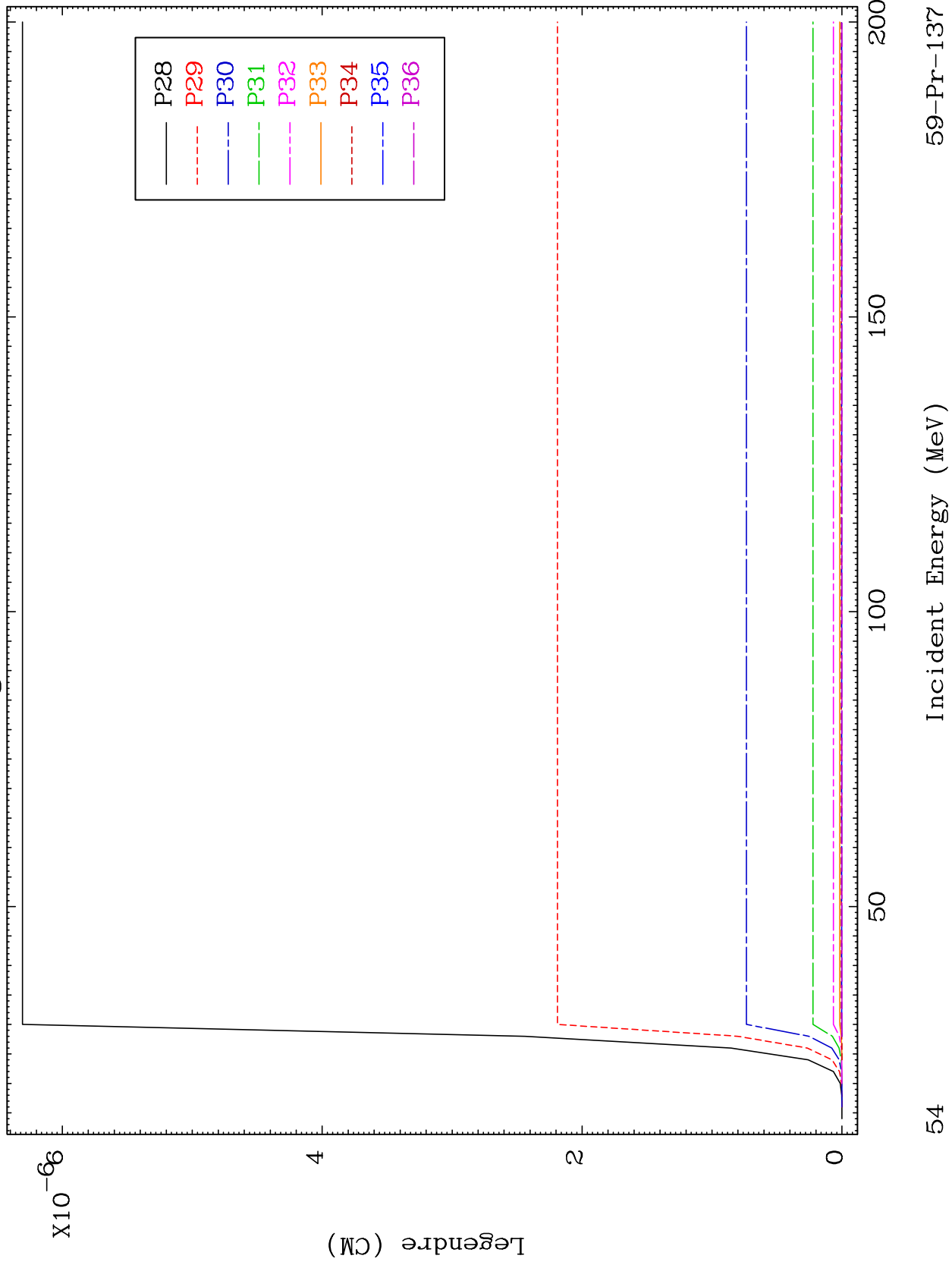
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

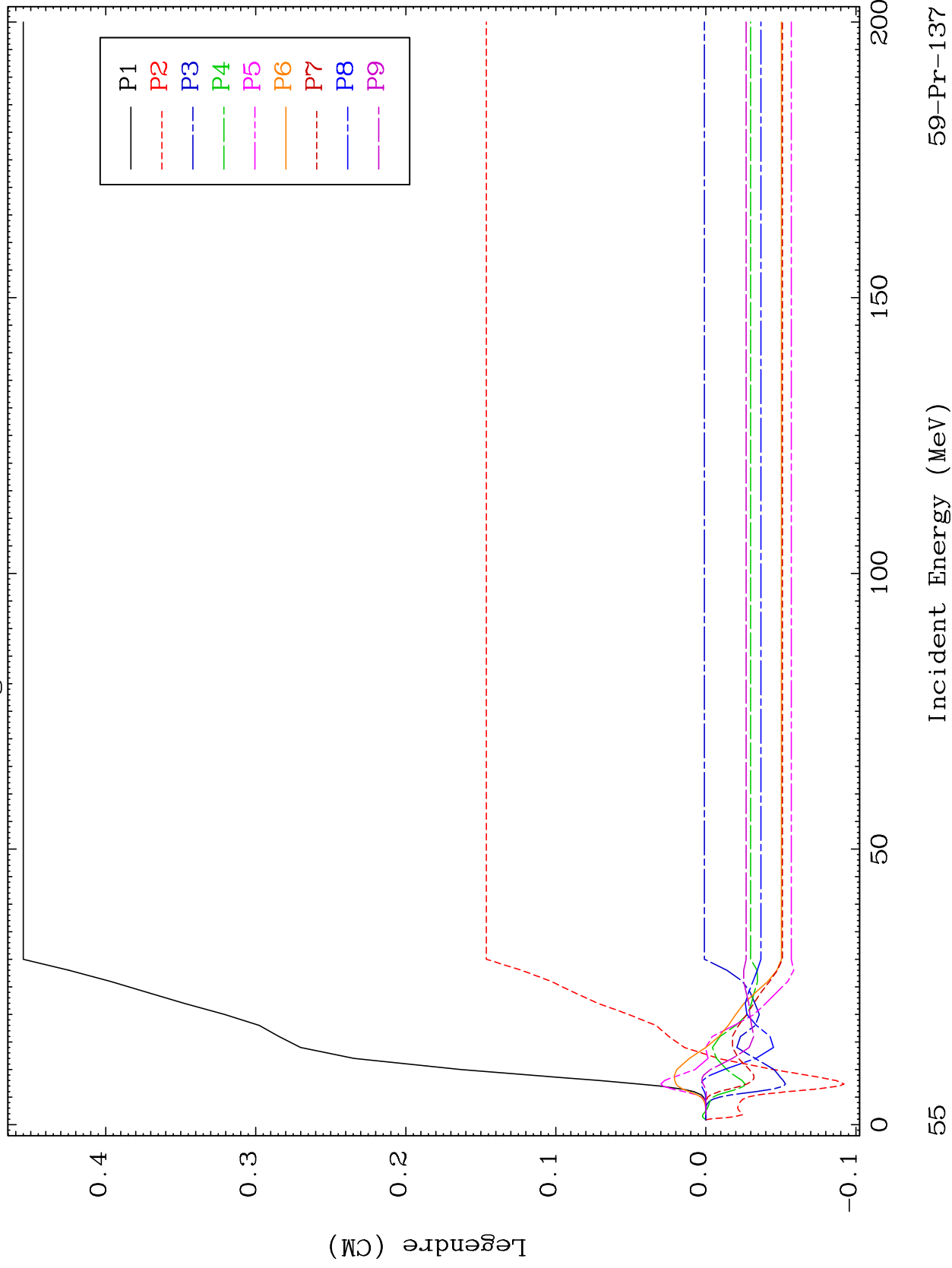
Incident Energy (MeV)

54

MAT 5913

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

59-Pr-137



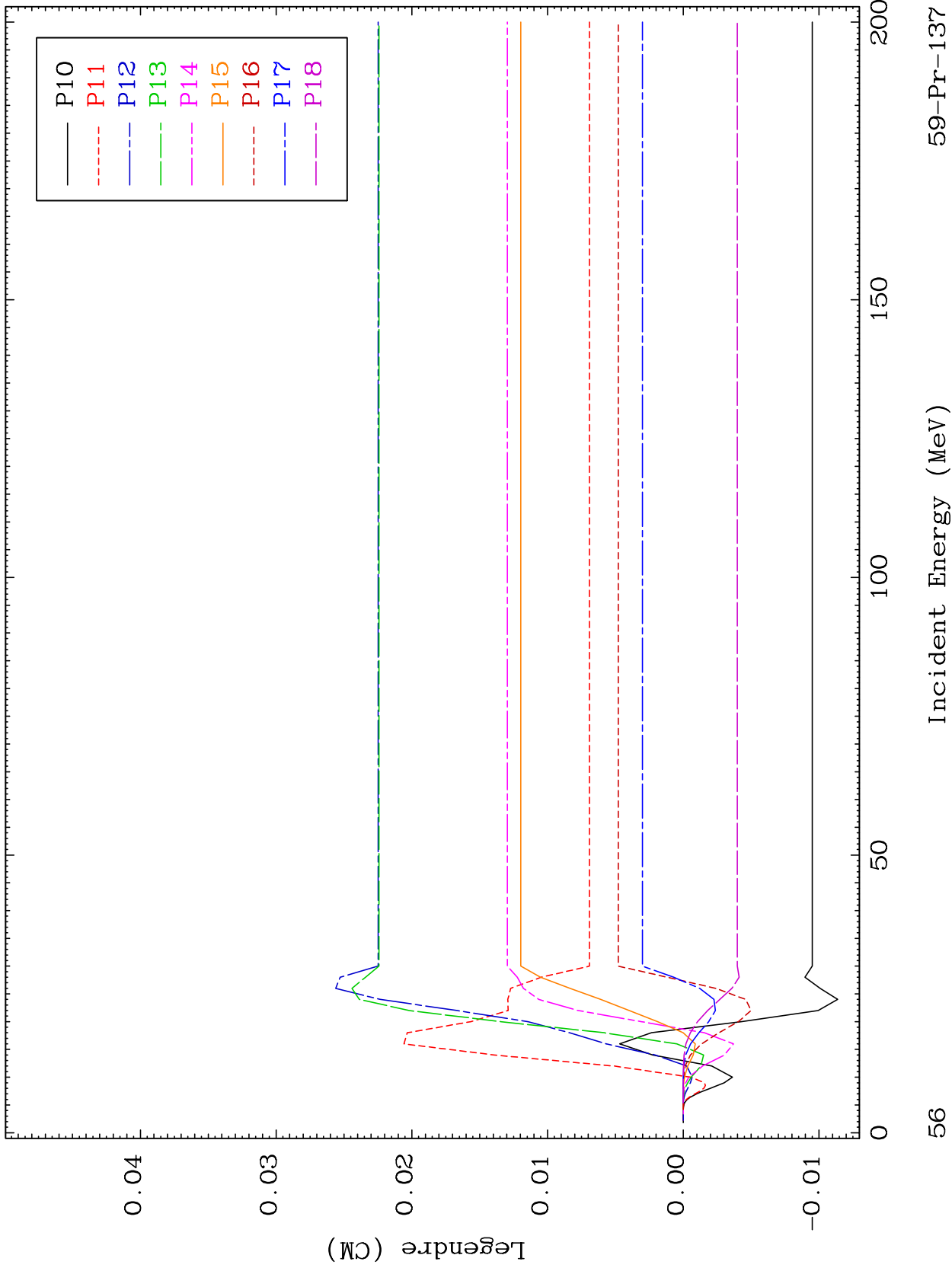
59-Pr-137



MAT 5913

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

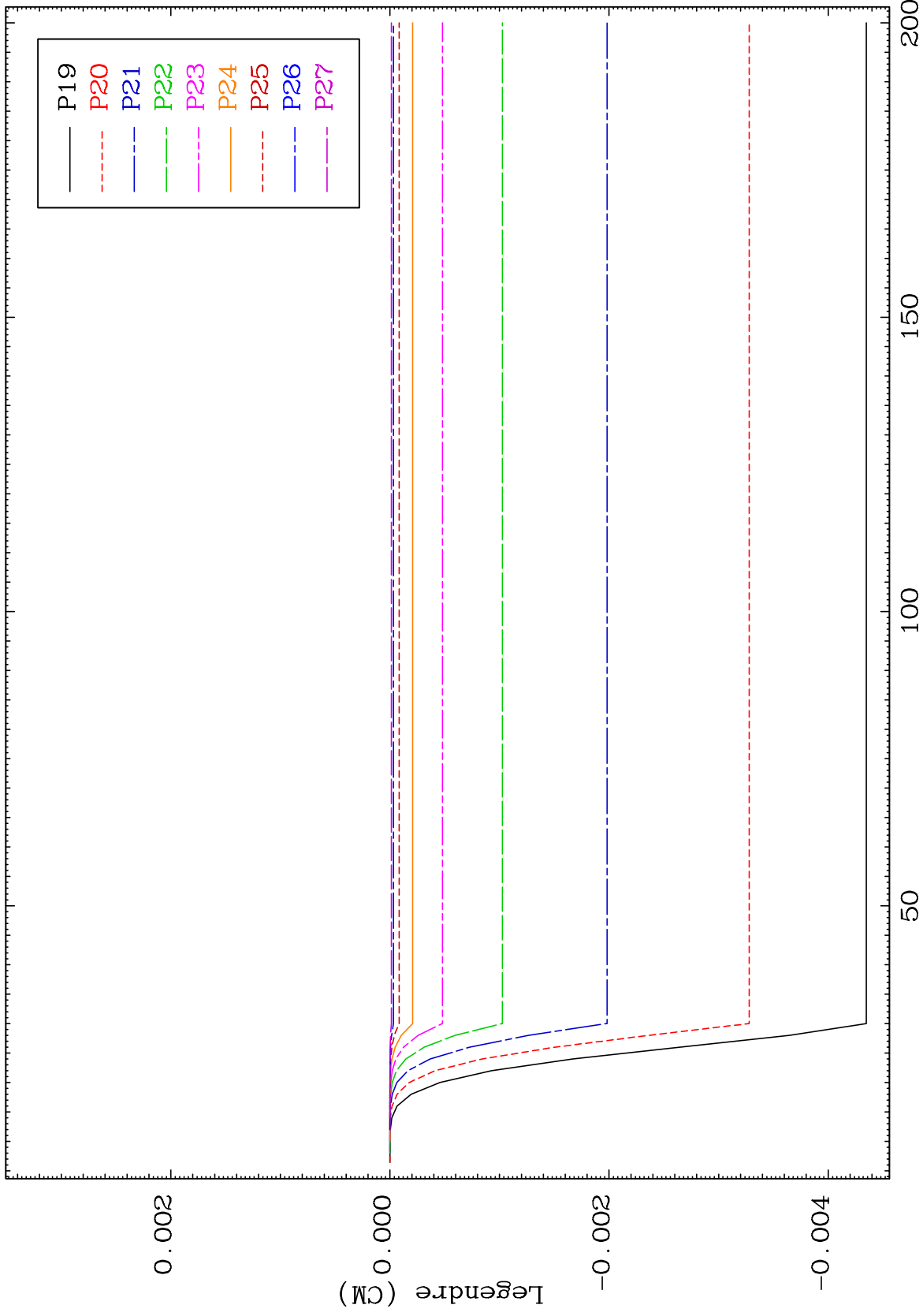
59-Pr-137



59-Pr-137

Incident Energy (MeV)

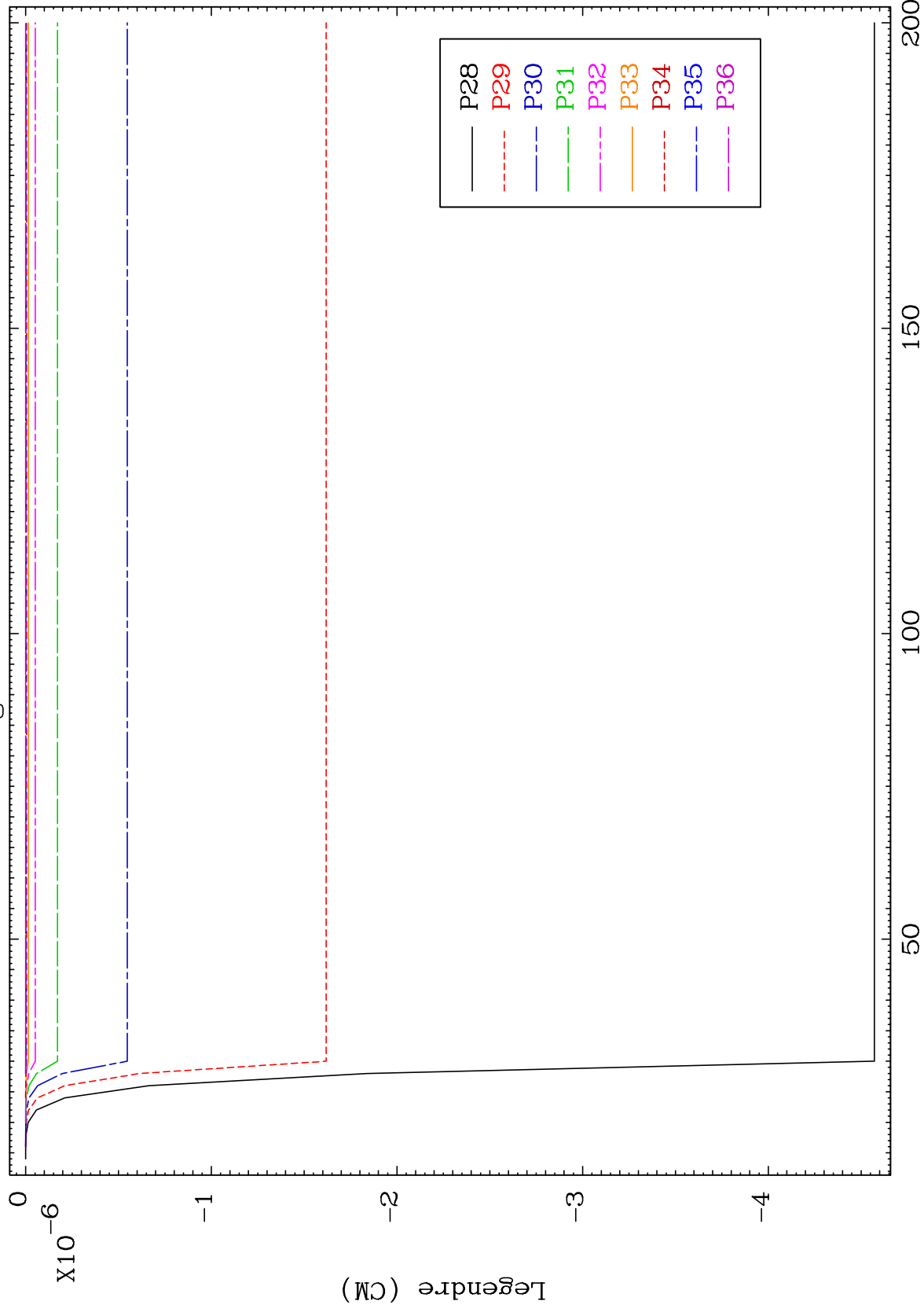
56



MAT 5913

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

59-Pr-137



58

Incident Energy (MeV)

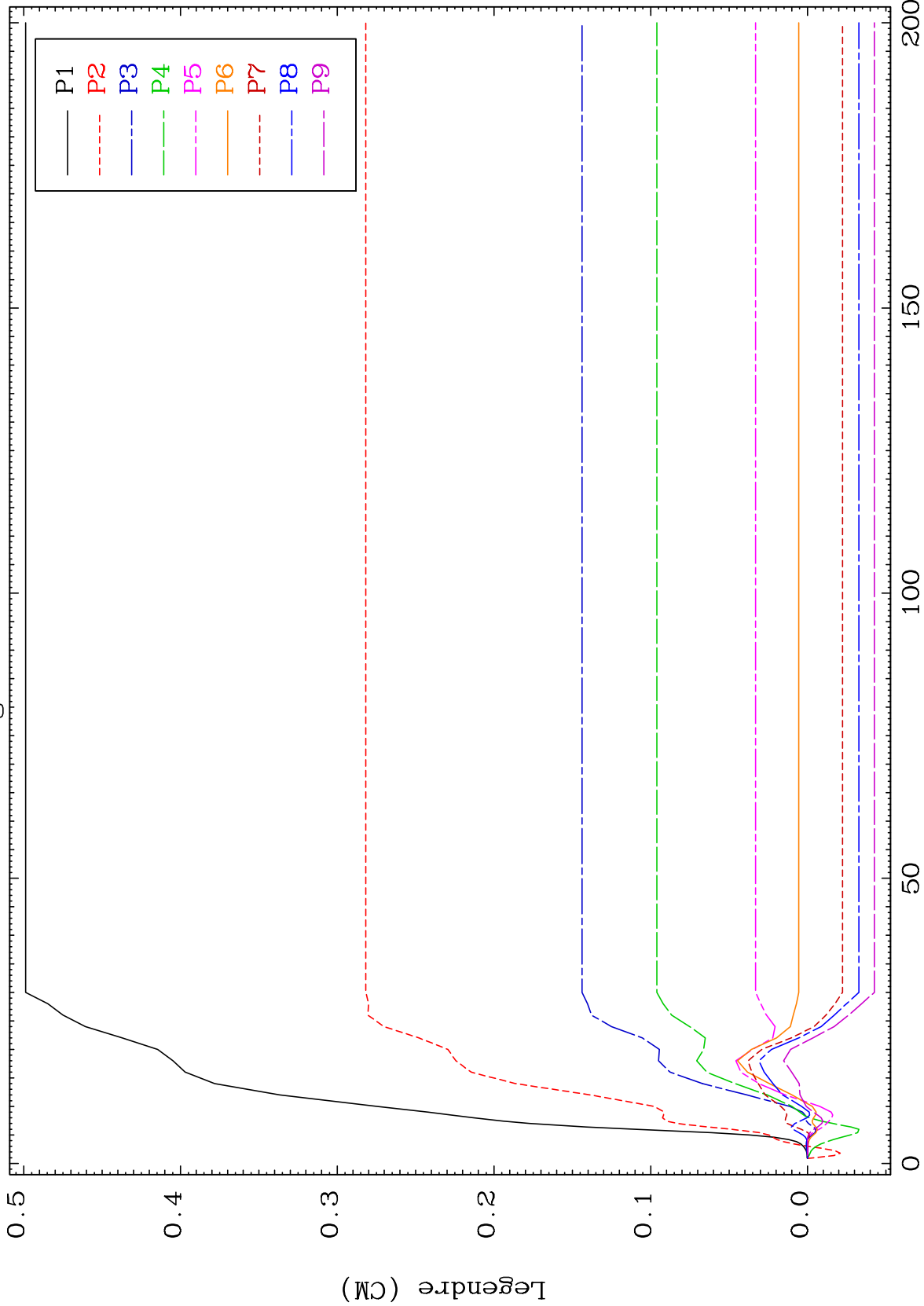
59-Pr-137

MAT 5913

MT= 61 (n,n') Level

59-Pr-137

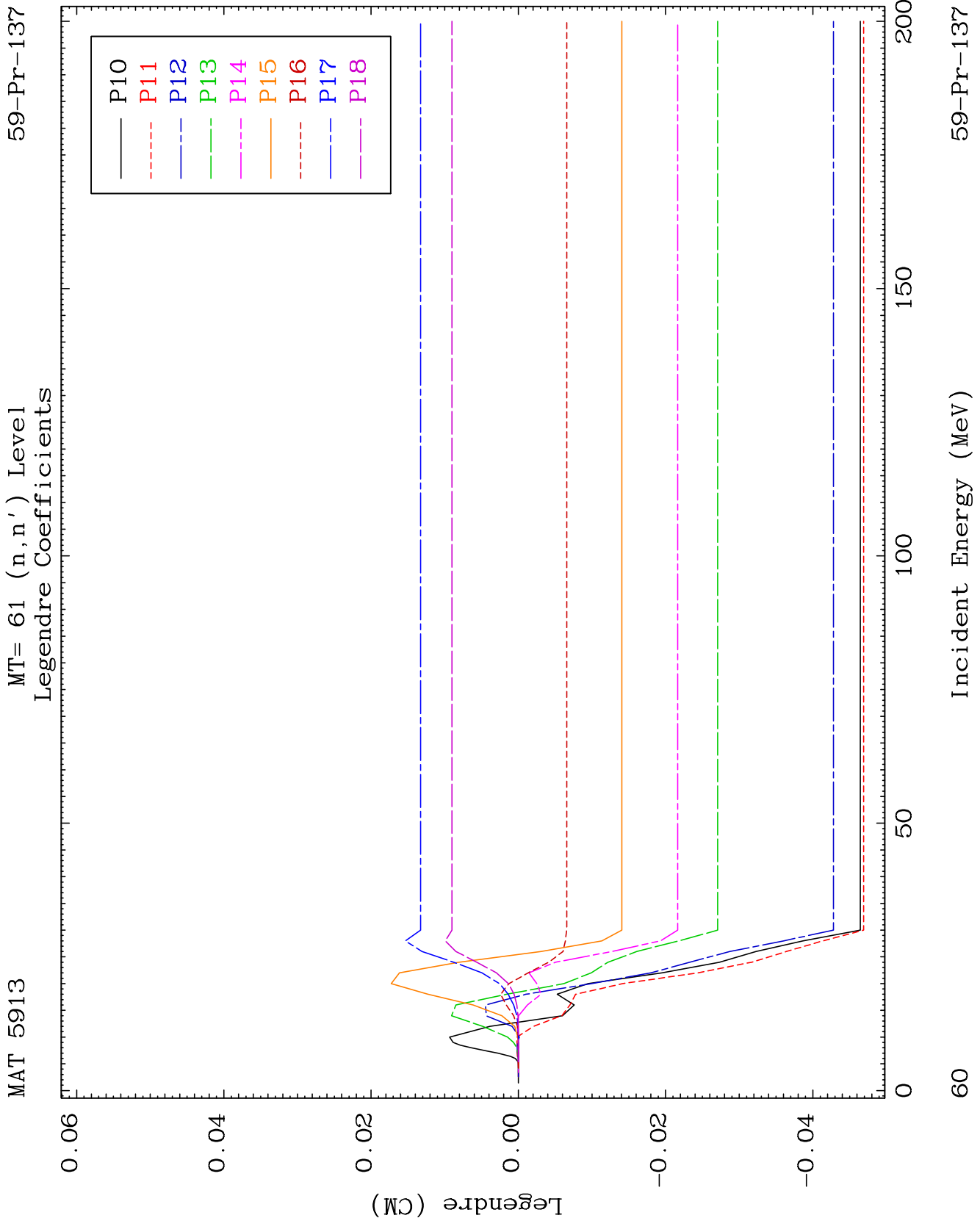
Legendre Coefficients



59

Incident Energy (MeV)

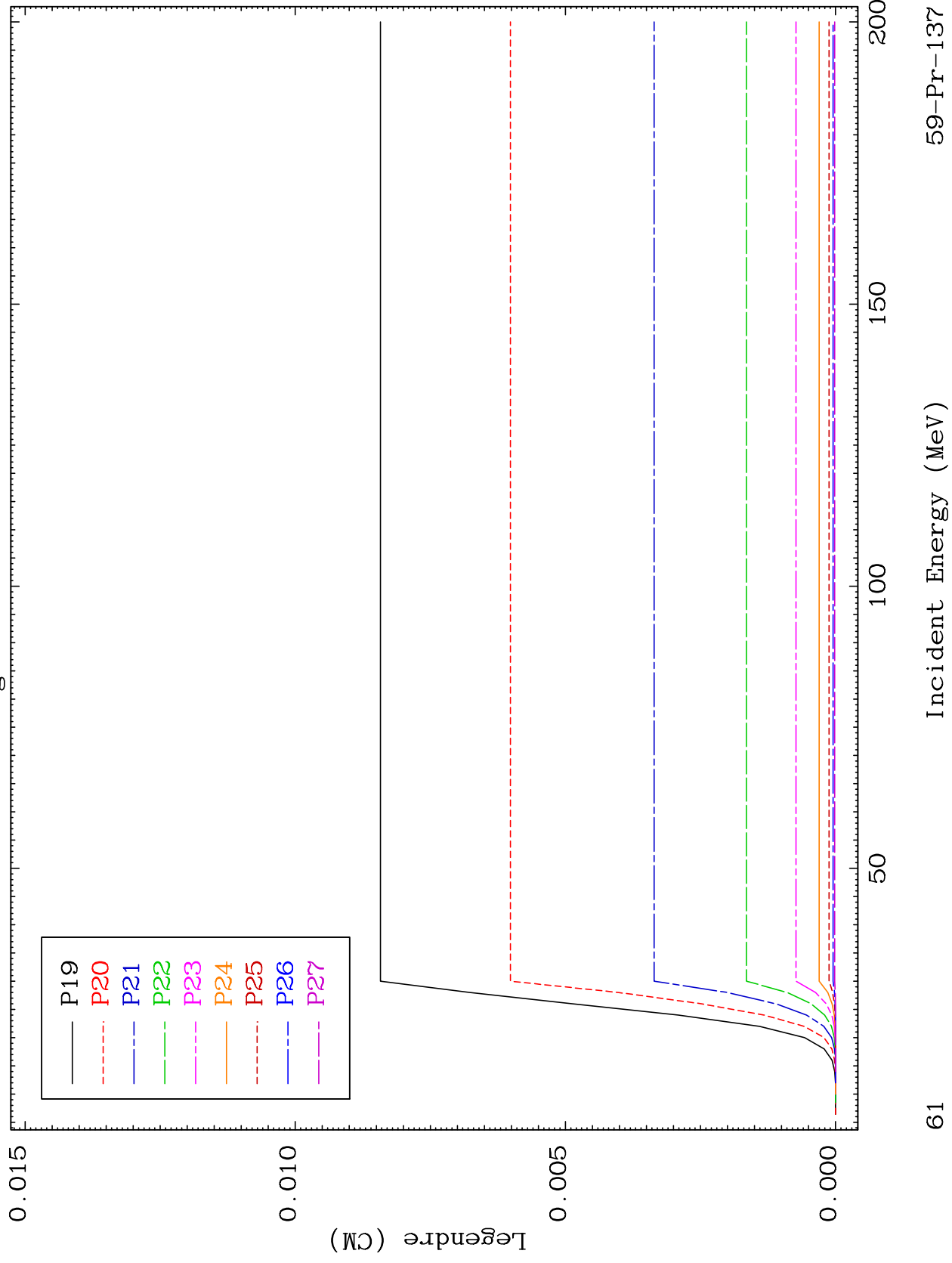
59-Pr-137



MAT 5913

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

59-Pr-137



61

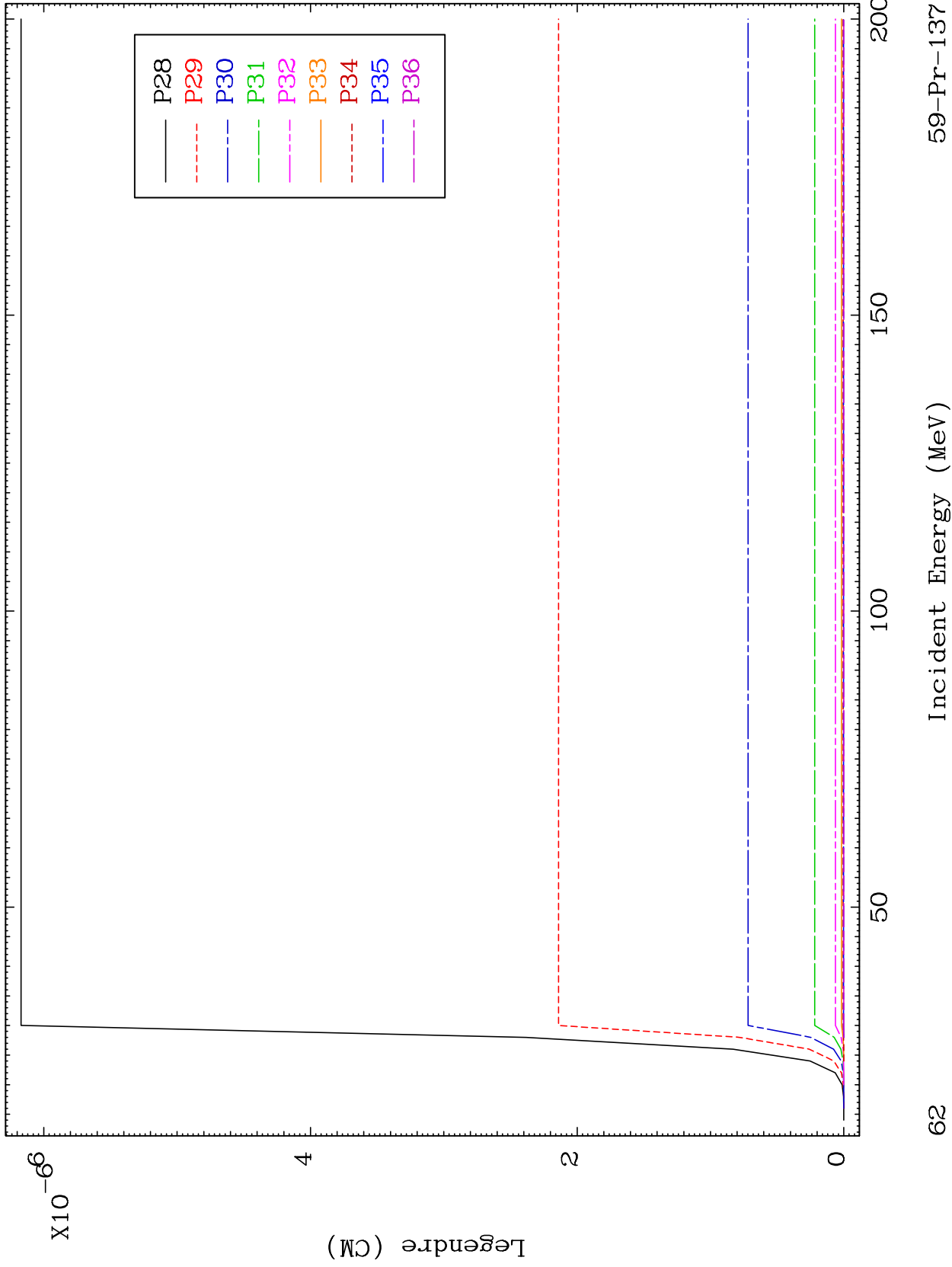
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



62

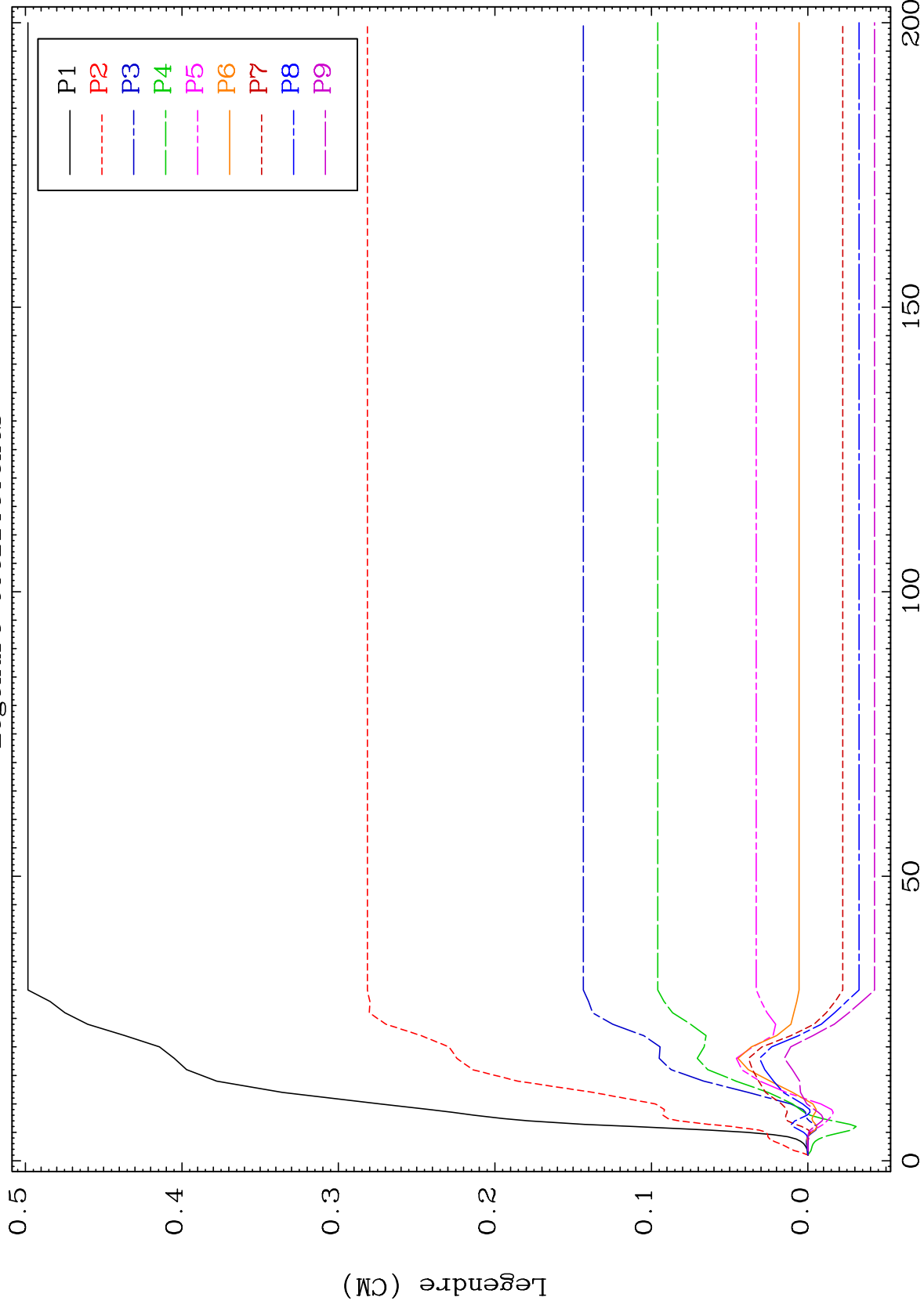
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

Incident Energy (MeV)

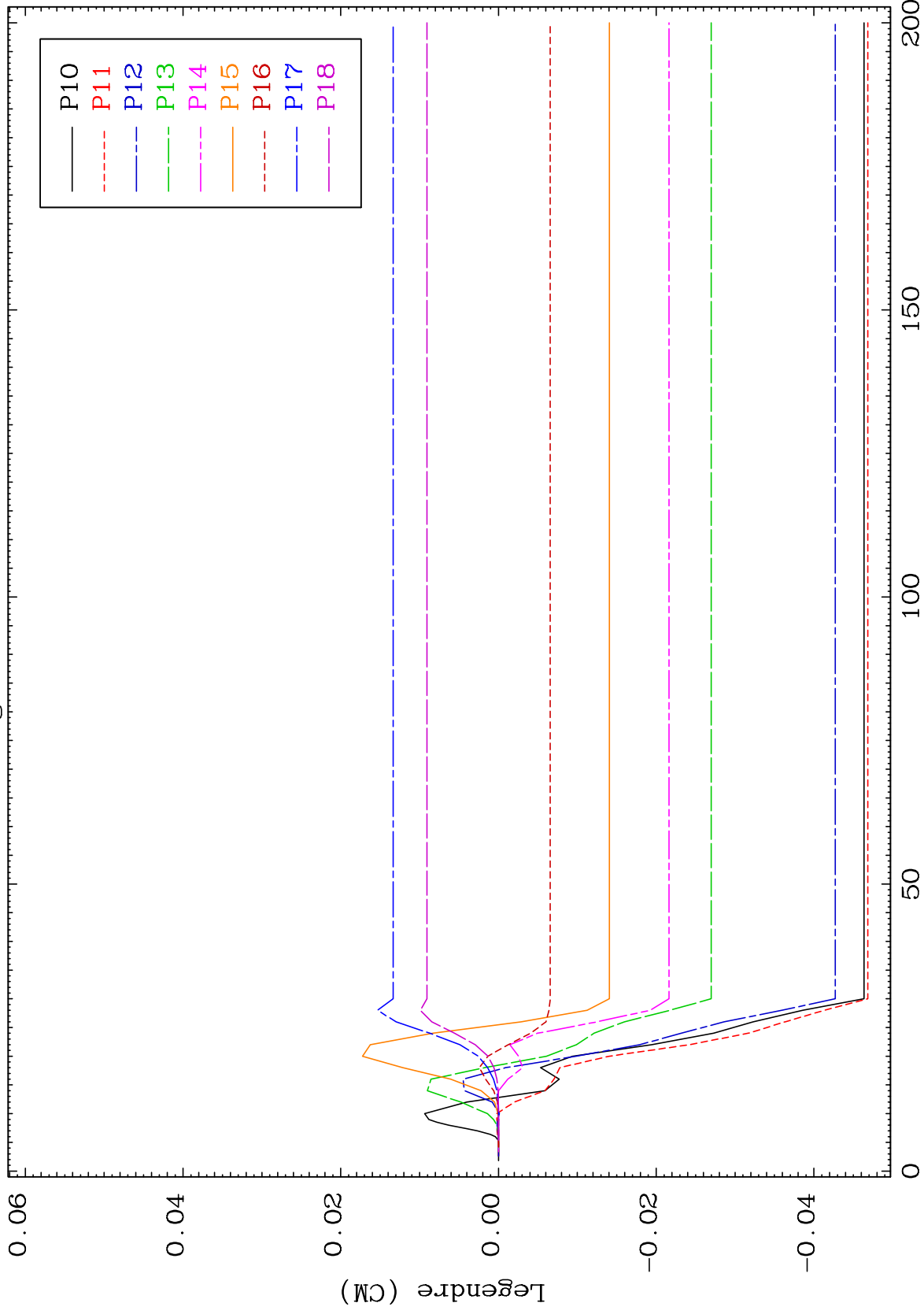
63



MAT 5913

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

59-Pr-137



64

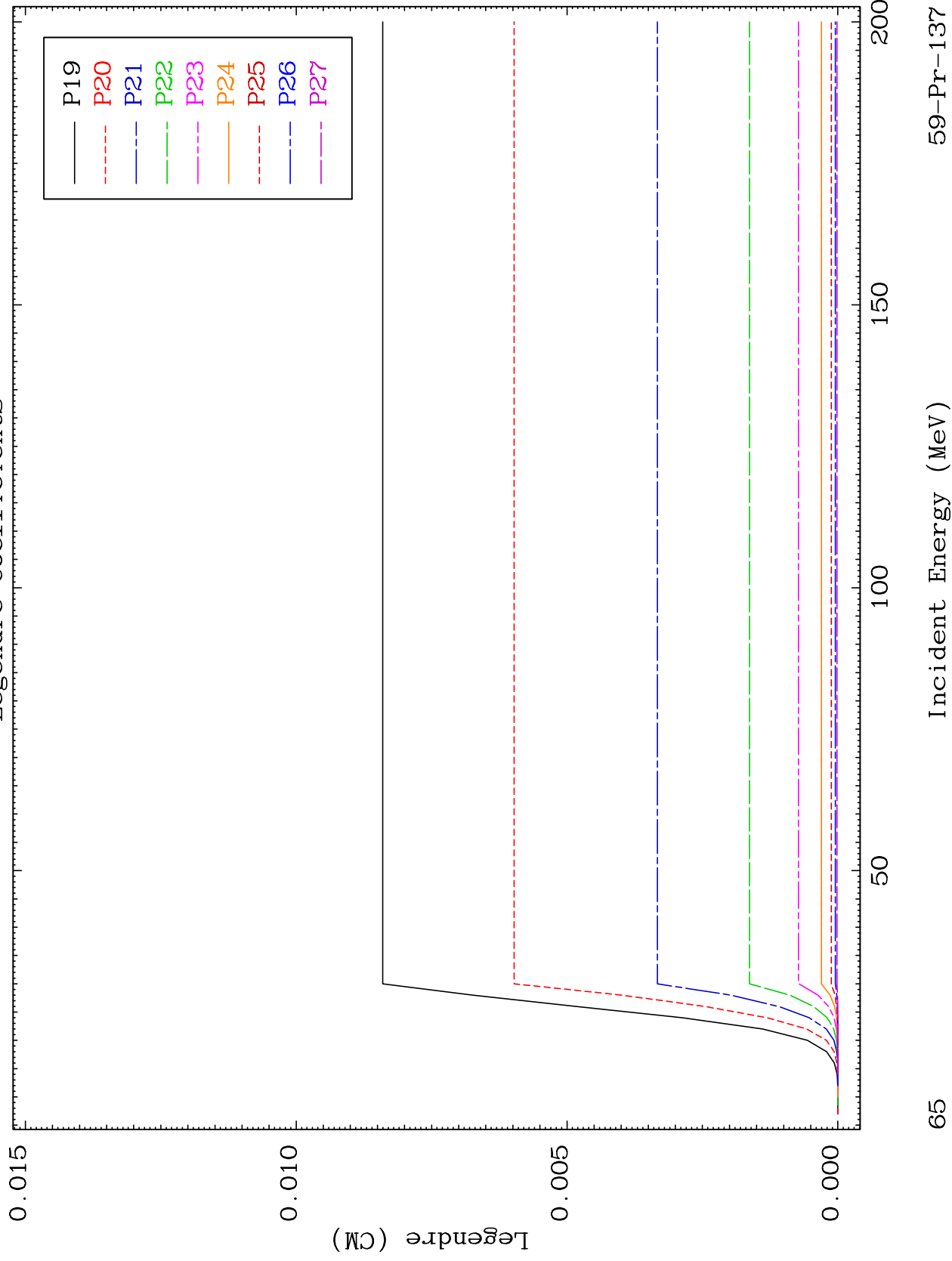
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



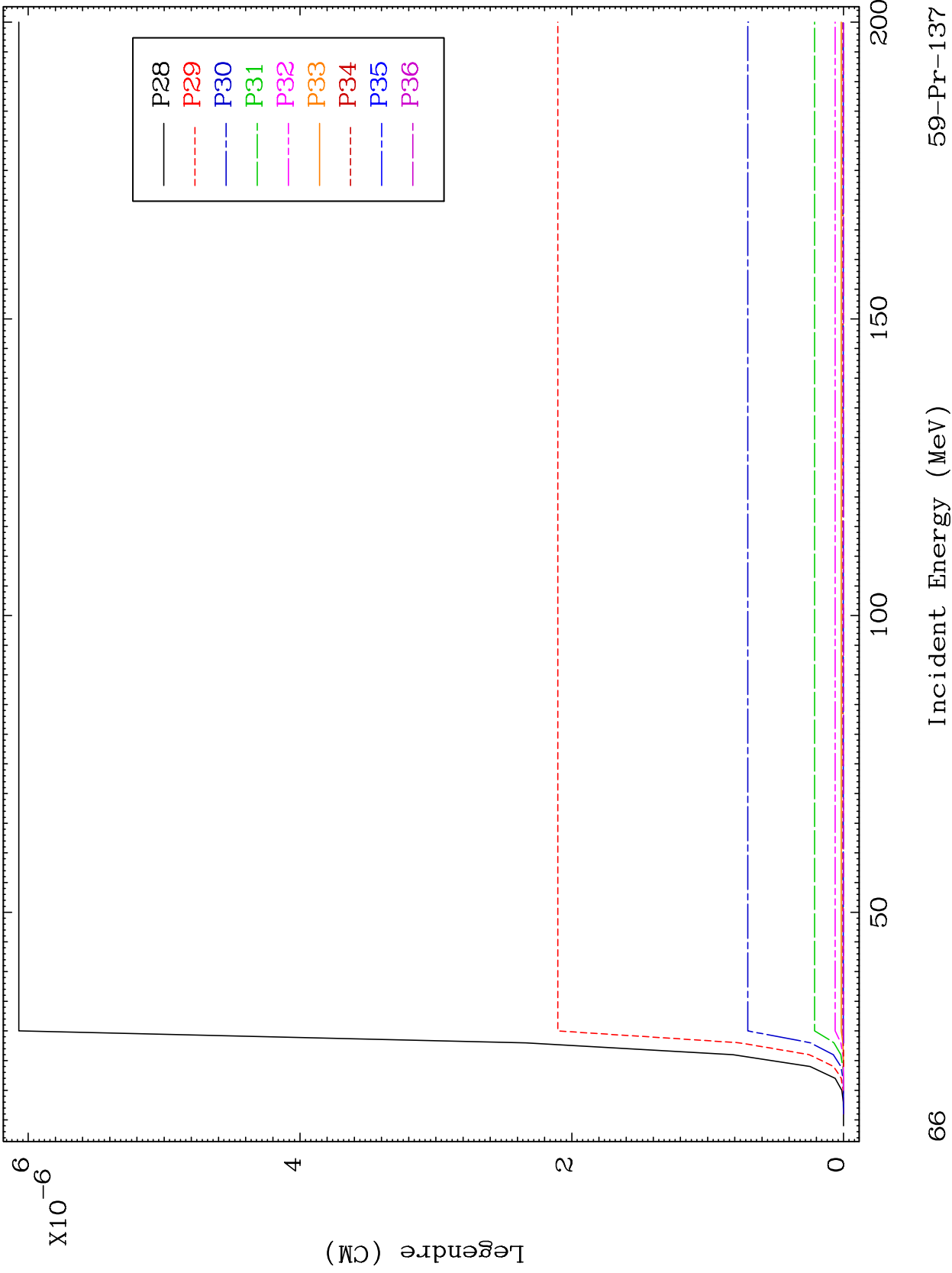
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59-Pr-137

MAT 5913

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

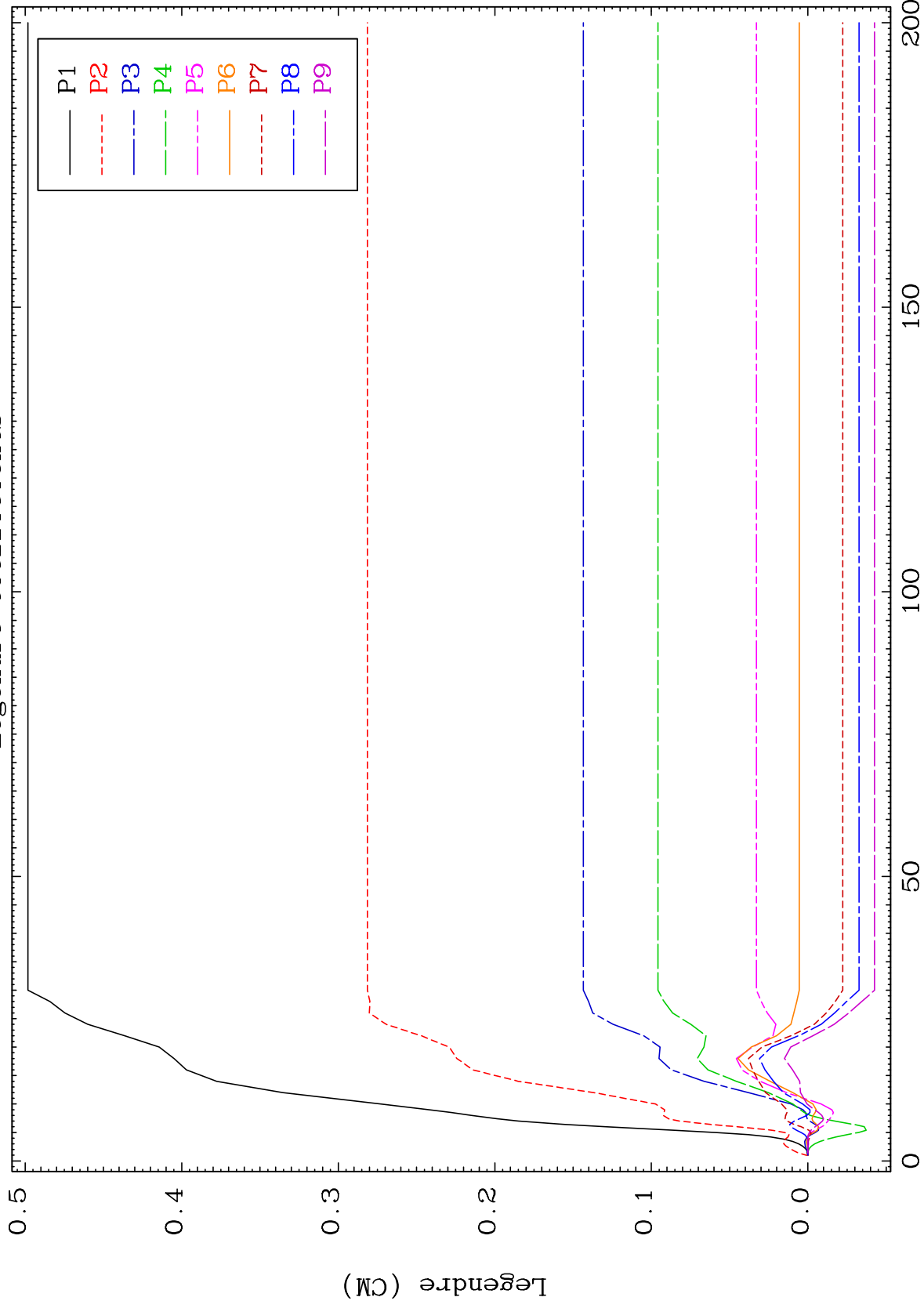
59-Pr-137



MAT 5913

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

59-Pr-137



67

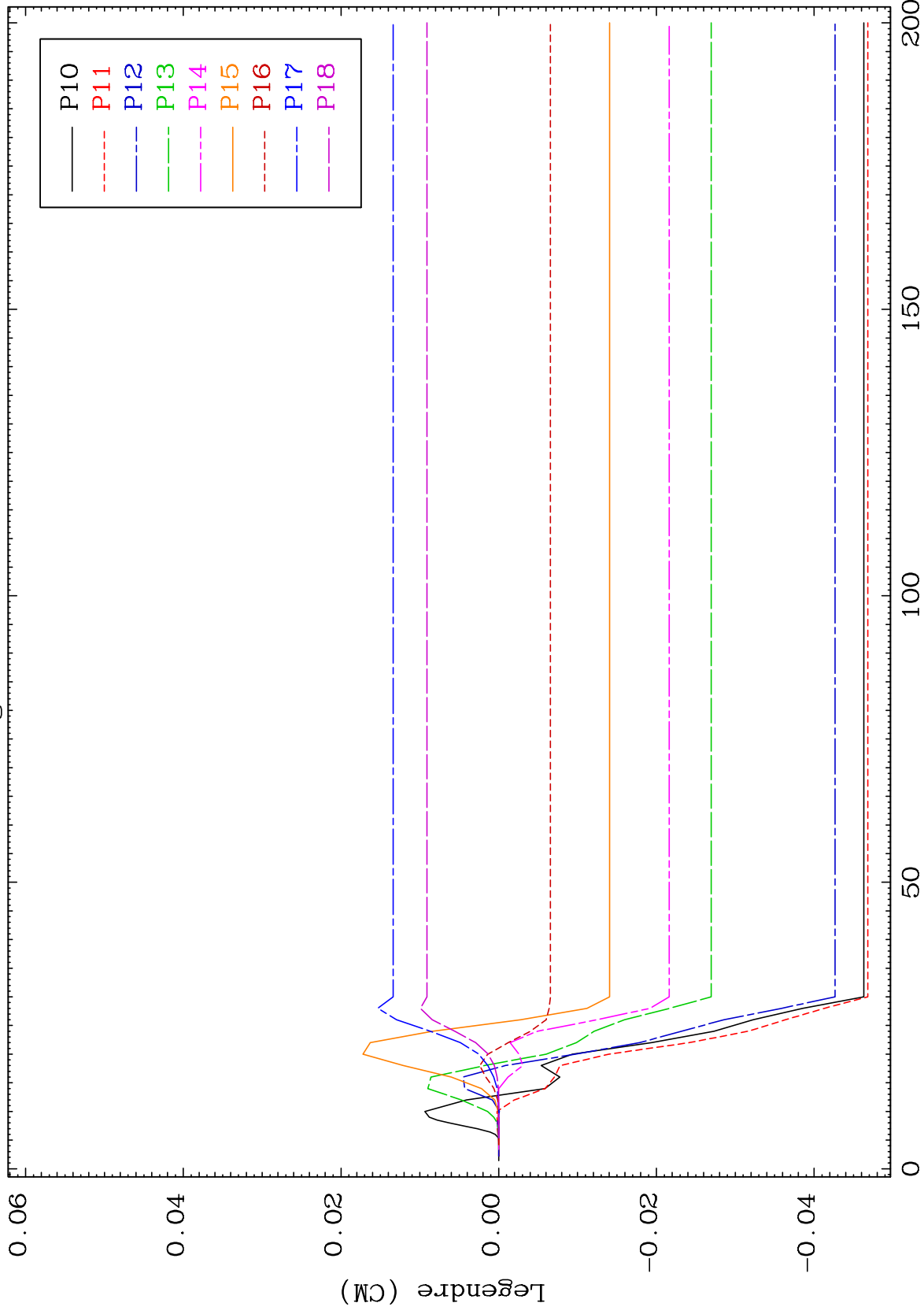
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



68

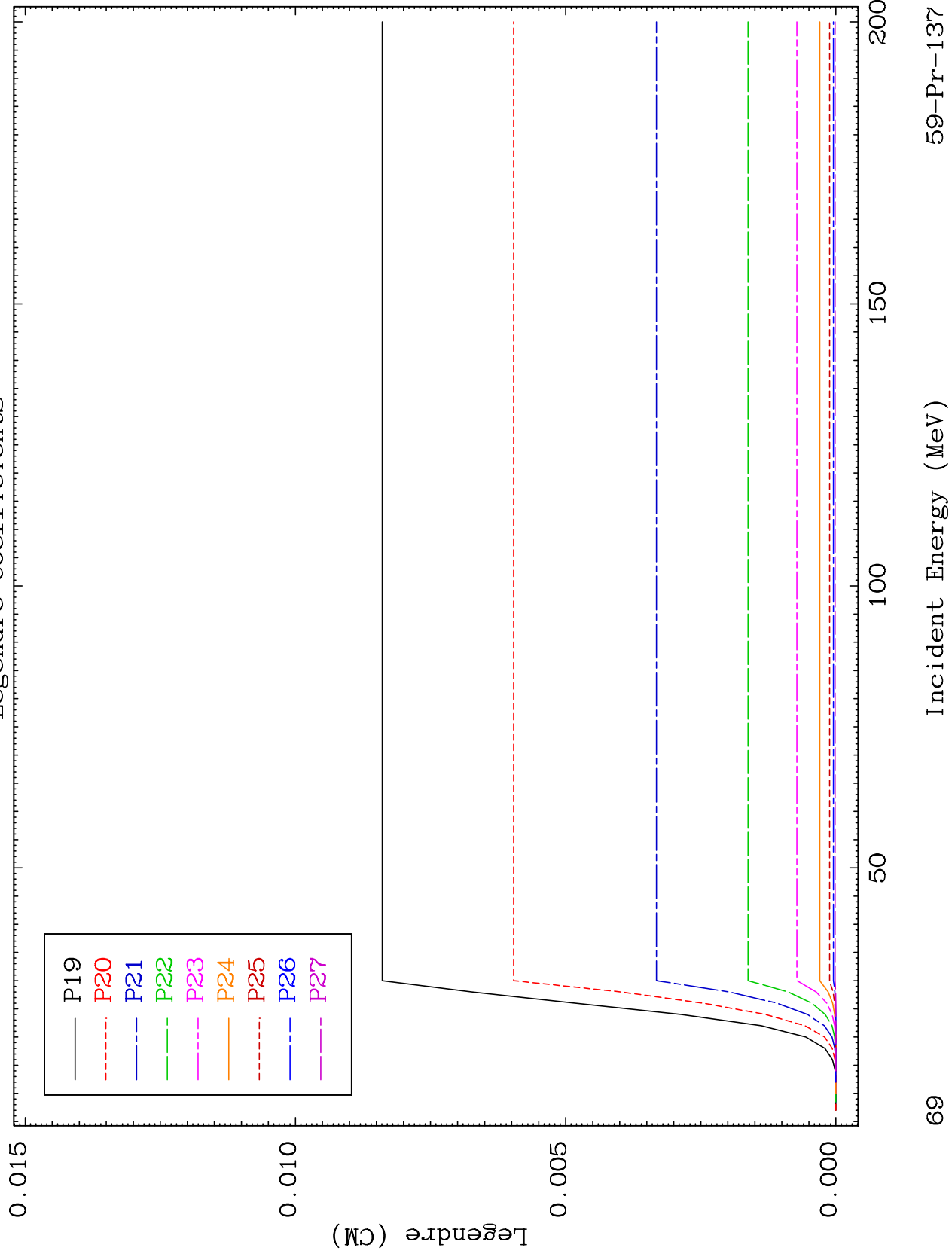
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



69

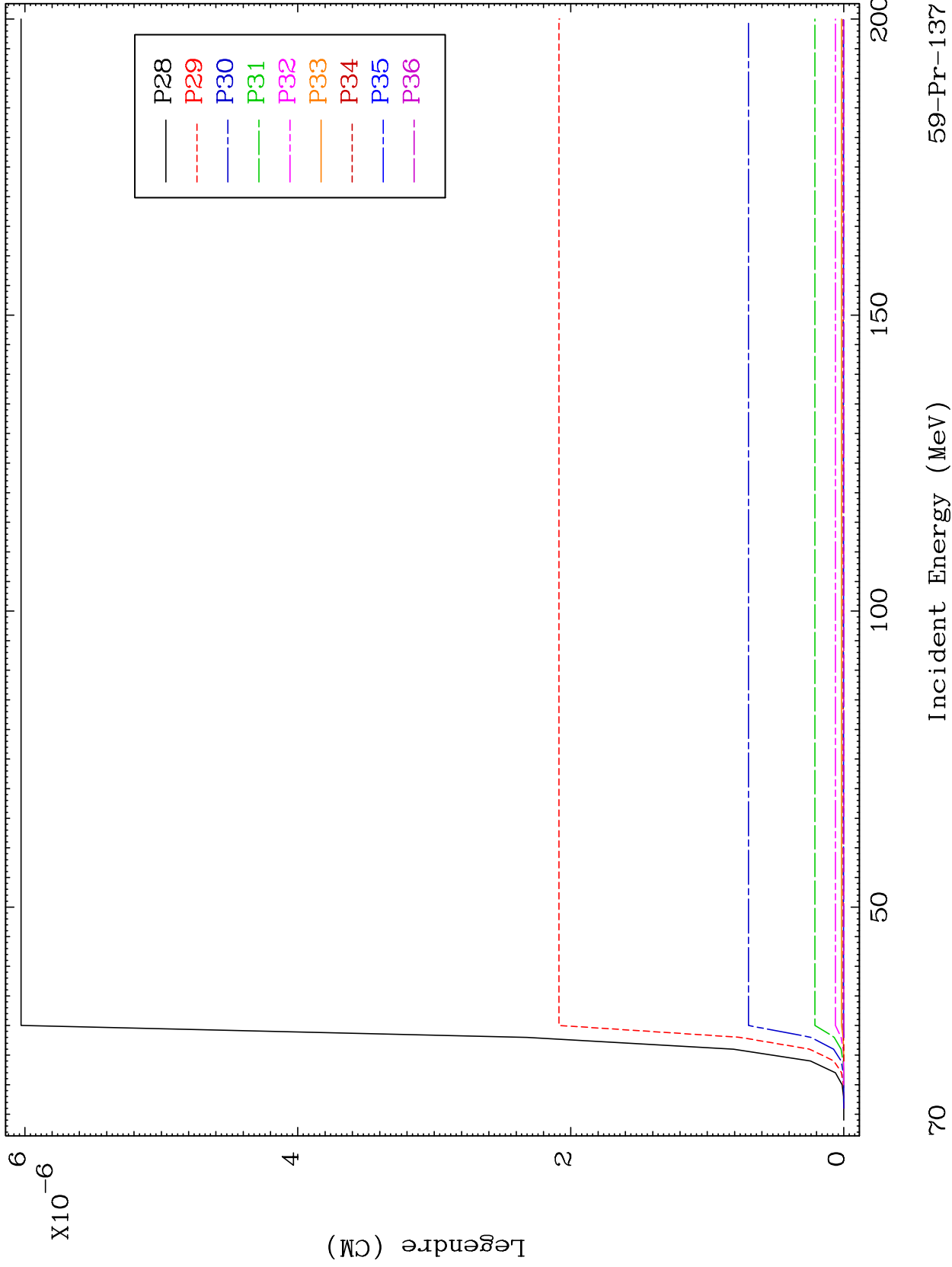
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



70

Incident Energy (MeV)

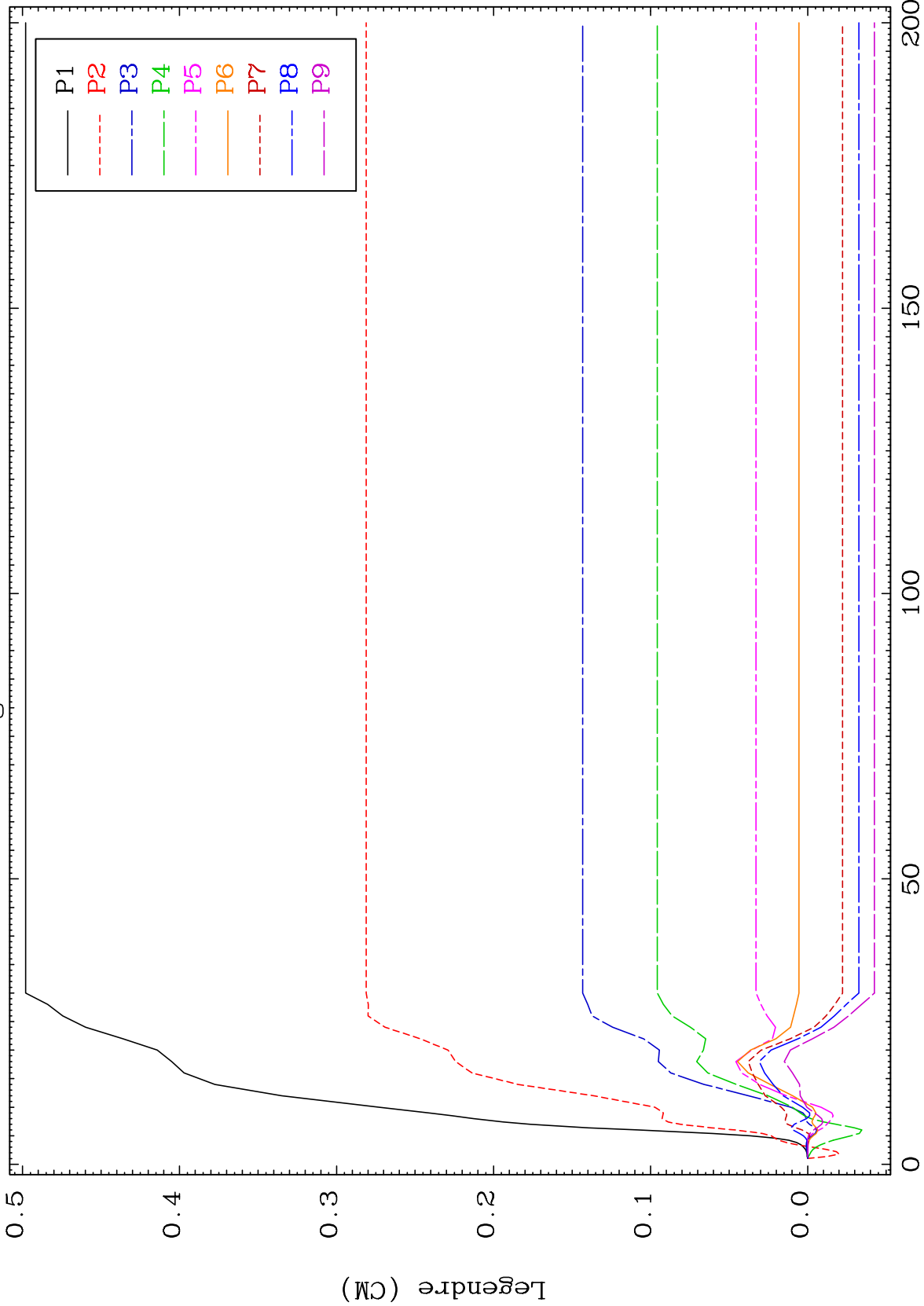
59-Pr-137

MAT 5913

MT= 64 (n,n') Level

59-Pr-137

Legendre Coefficients



71

Incident Energy (MeV)

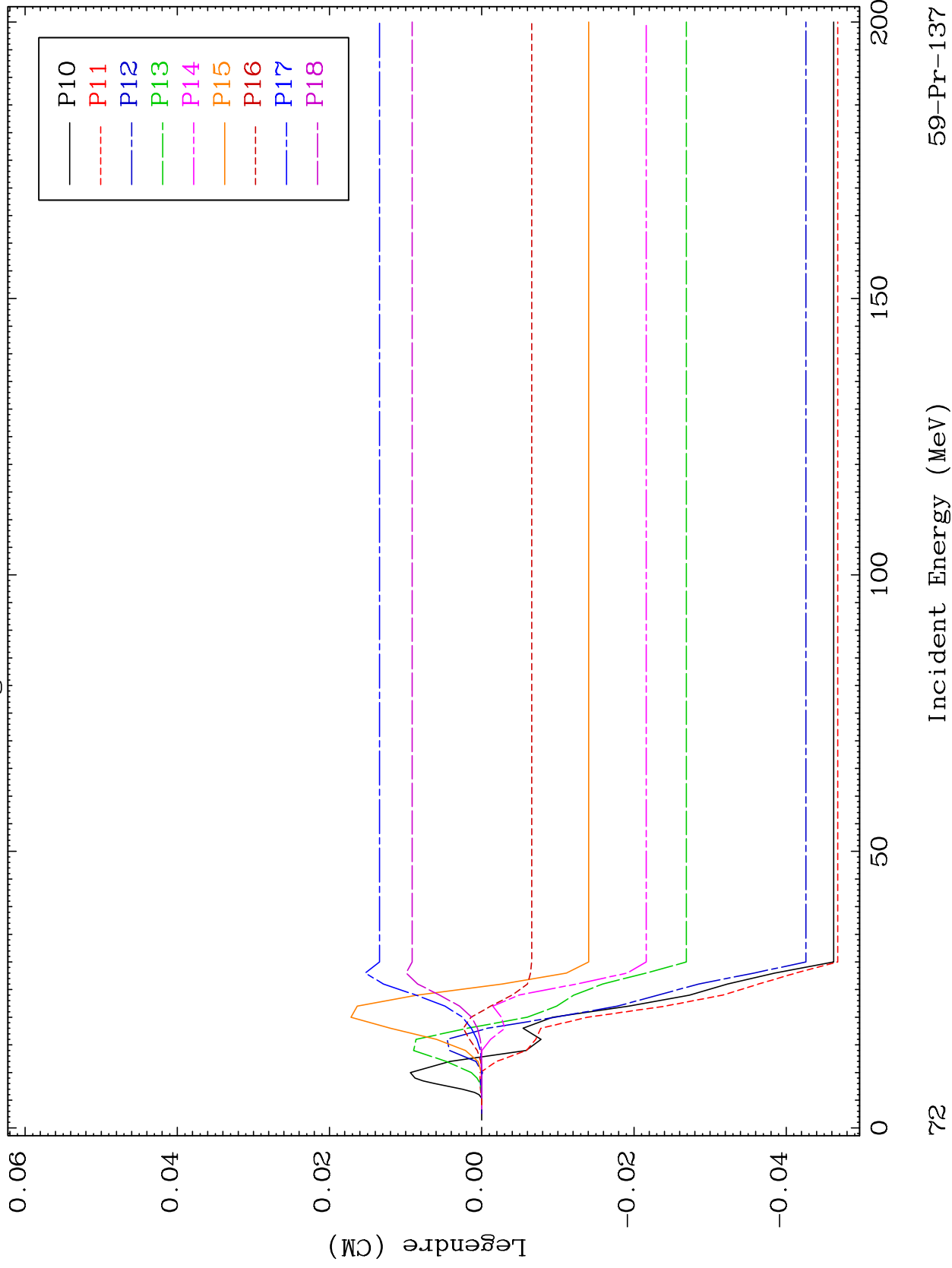
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

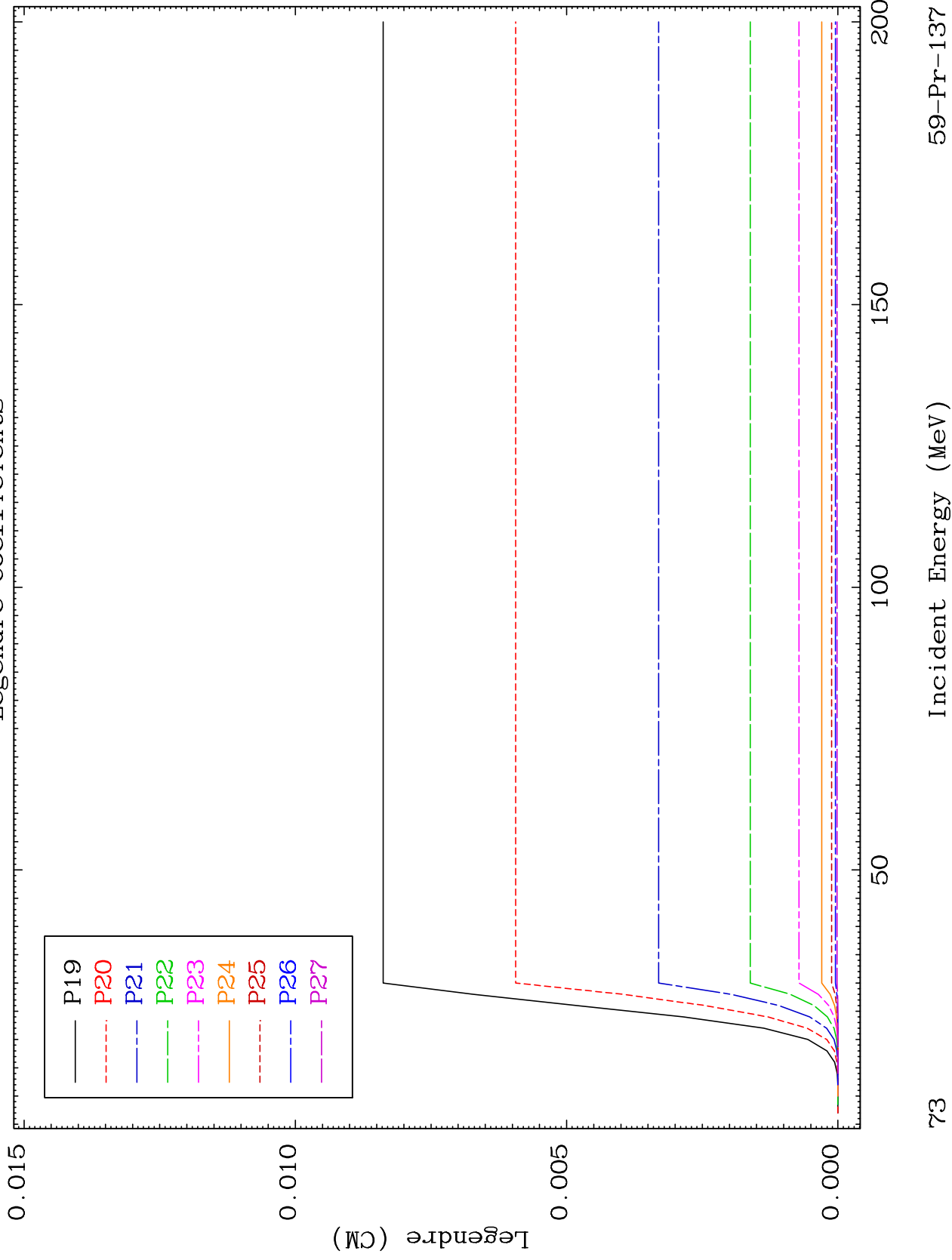
Incident Energy (MeV)

72

MAT 5913

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

59-Pr-137



73

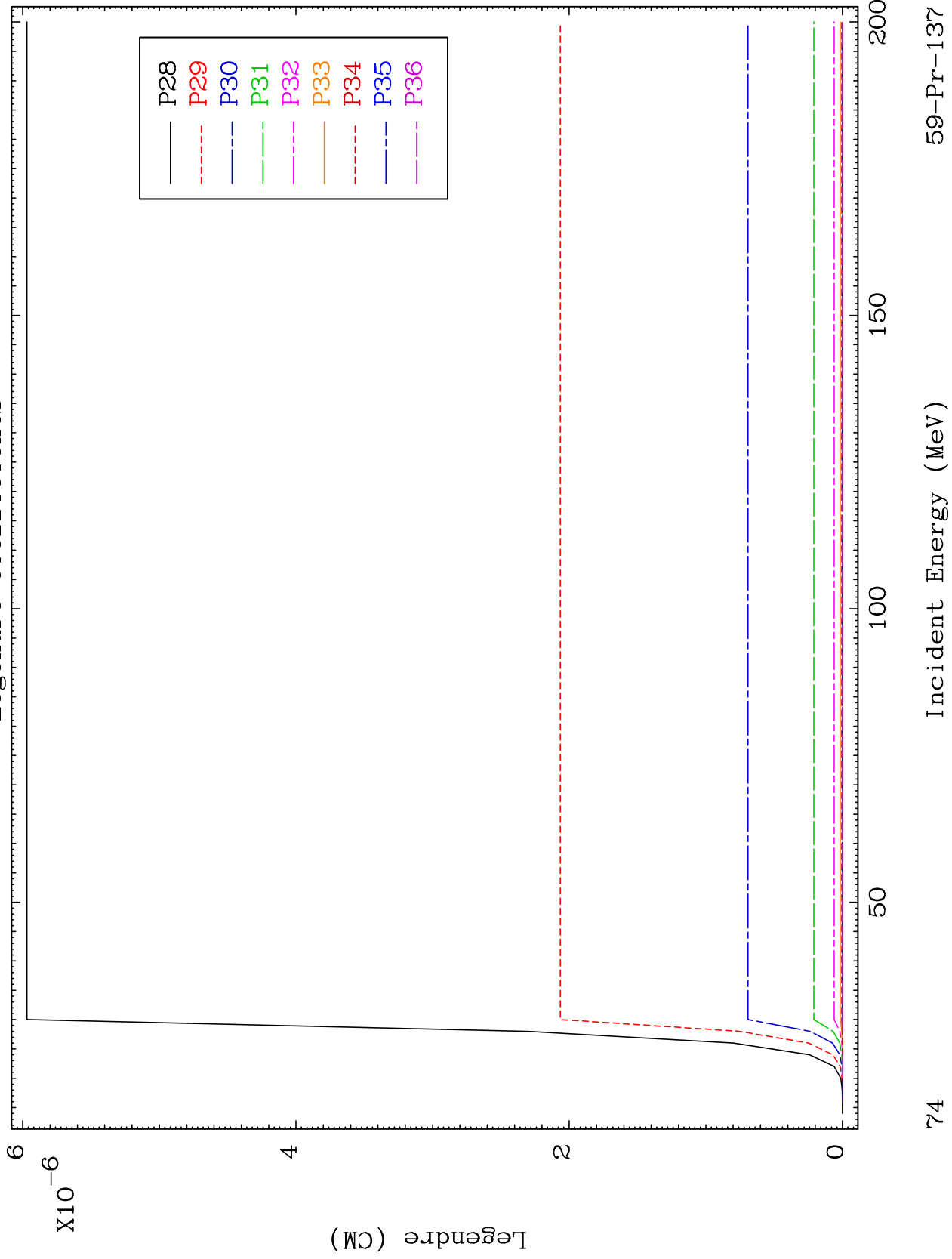
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

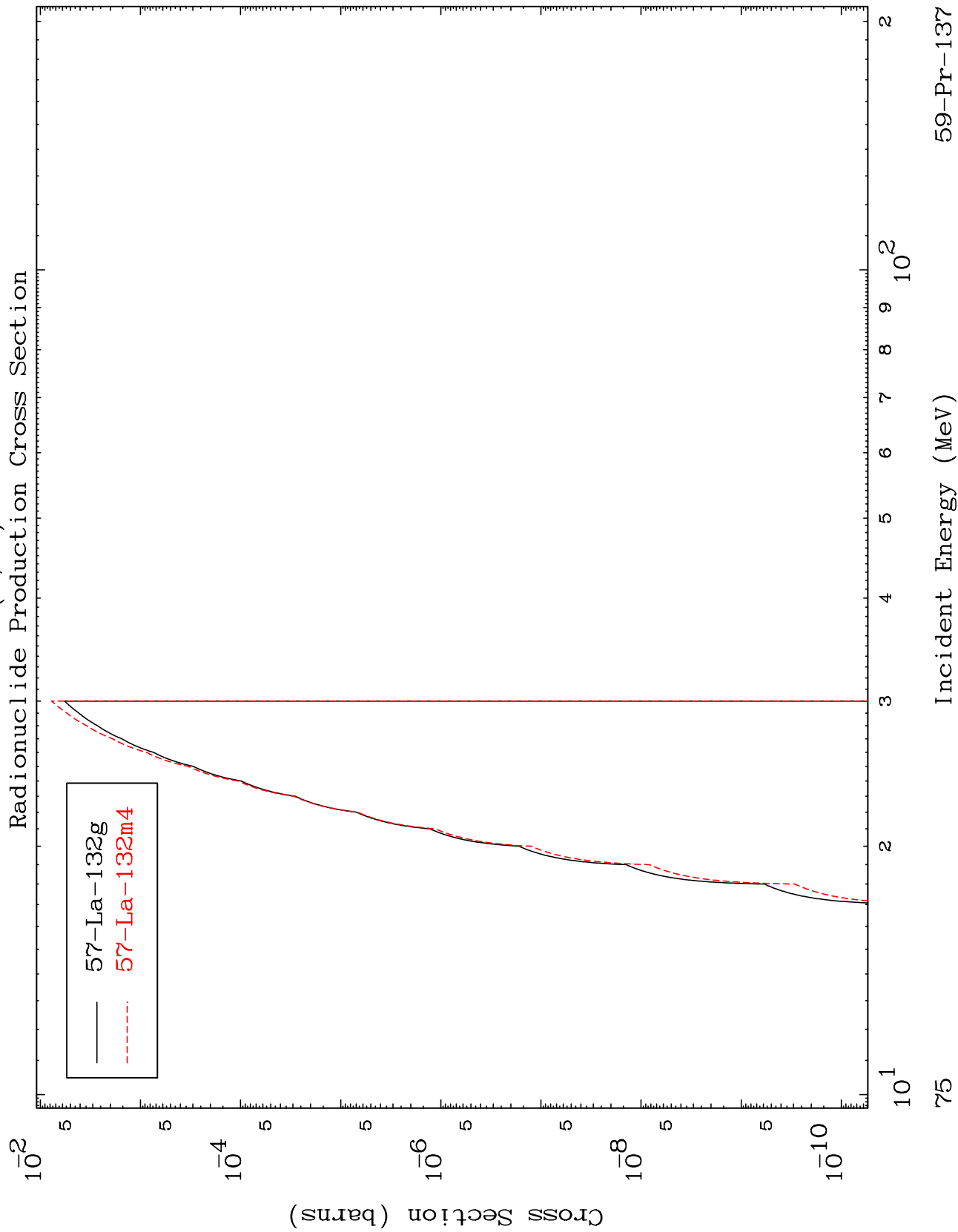
59-Pr-137



MAT 5913

(n,2n)  $\alpha$

59-Pr-137

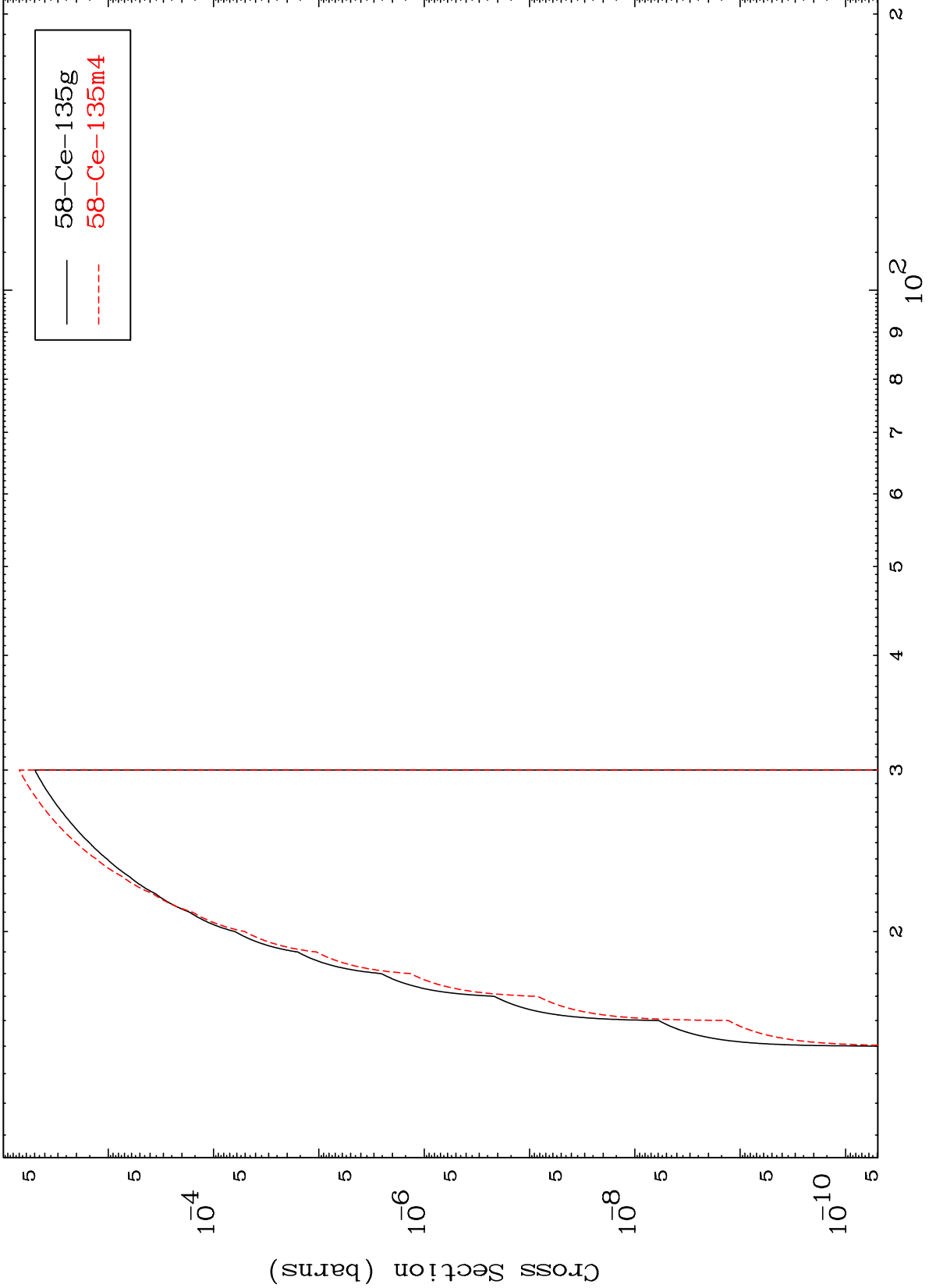


75

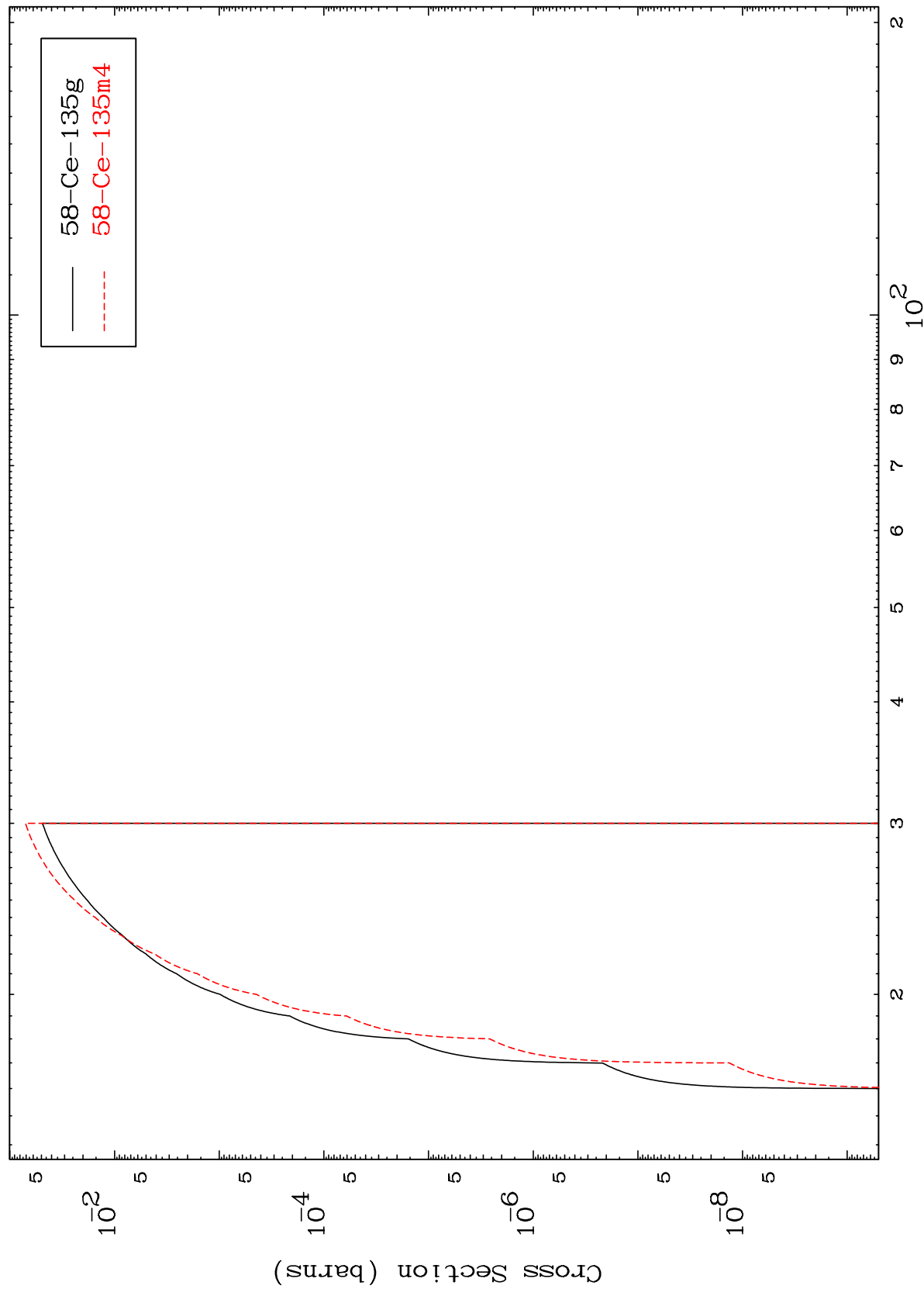
Incident Energy (MeV)

59-Pr-137

Radionuclide Production Cross Section



Radionuclide Production Cross Section

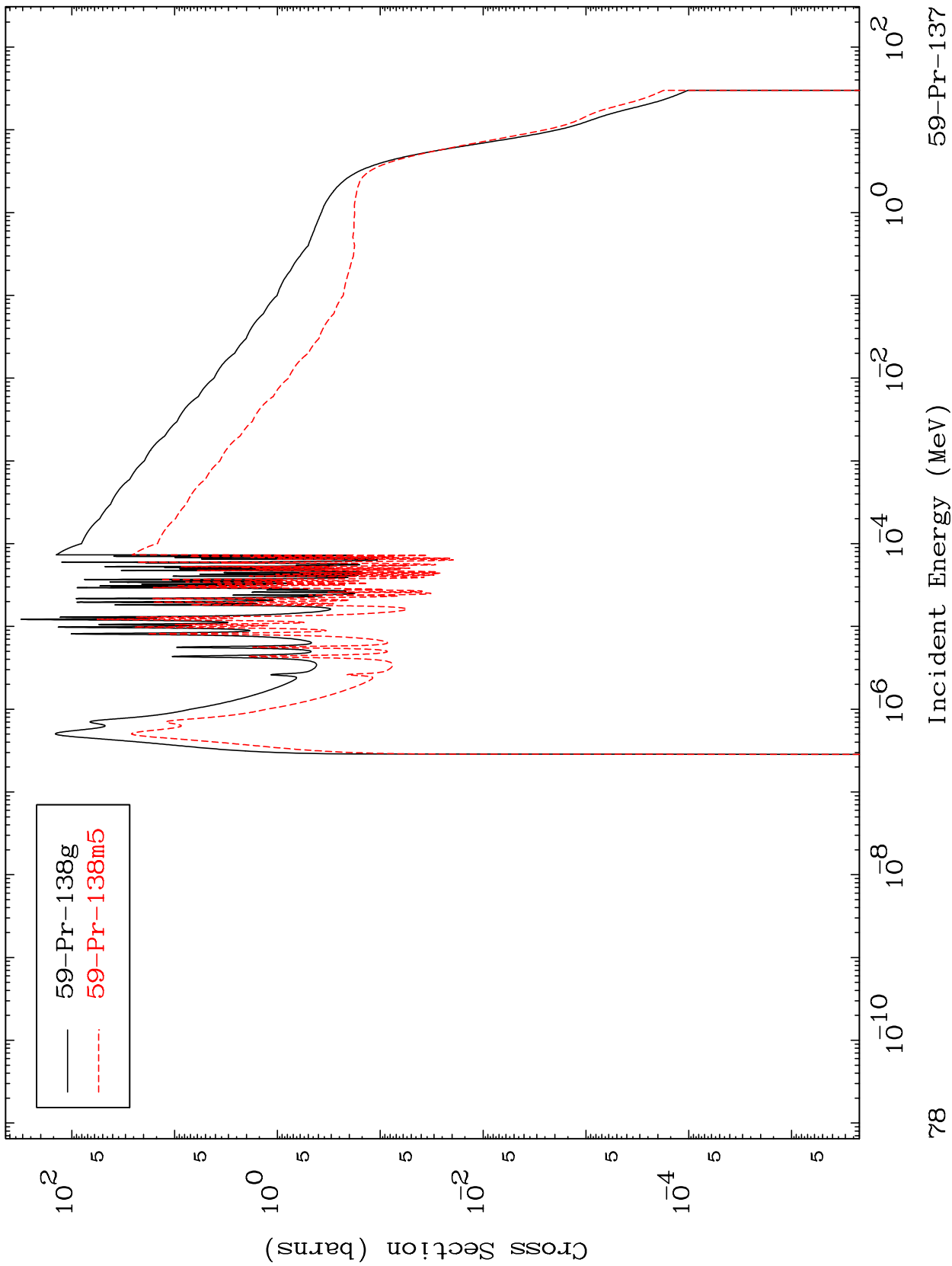


58-Ce-135g  
58-Ce-135m4

MAT 5913

59-Pr-137

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



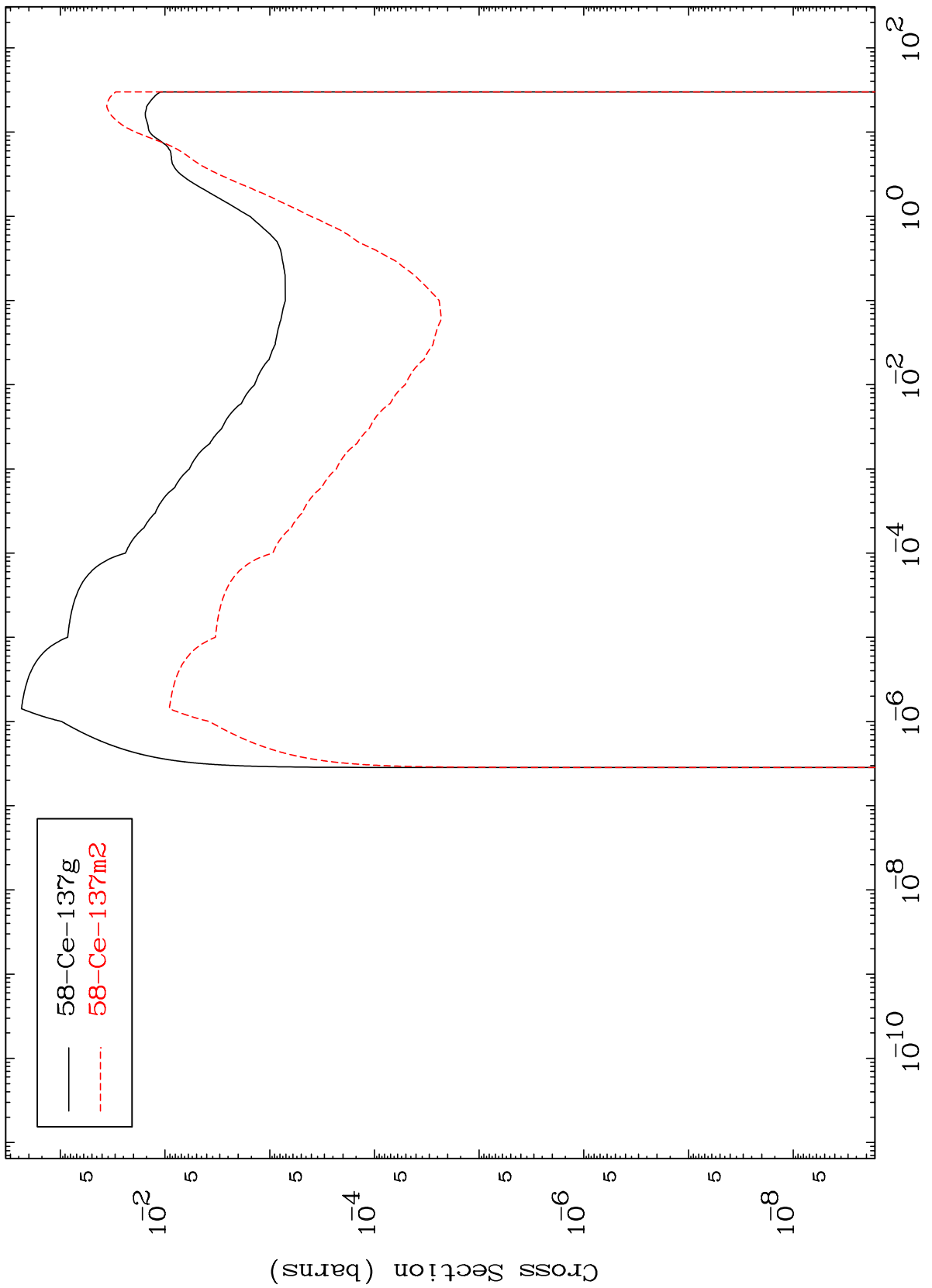
78

59-Pr-137

MAT 5913

59-Pr-137

(n,p)  
Radionuclide Production Cross Section



58-Ce-137g  
58-Ce-137m2

59-Pr-137

Incident Energy (MeV)

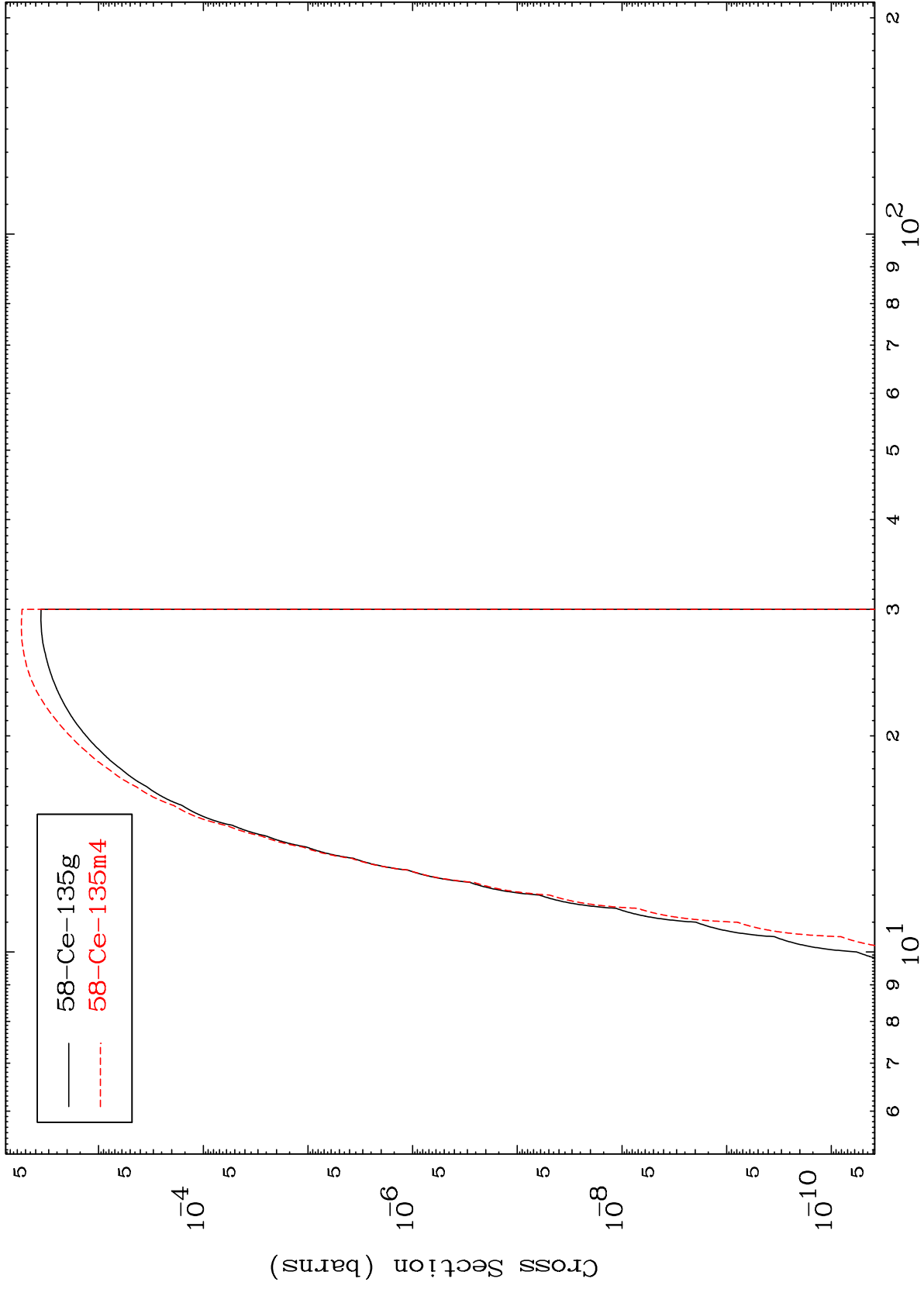
79



MAT 5913

59-Pr-137

(n, t)  
Radionuclide Production Cross Section



80

Incident Energy (MeV)

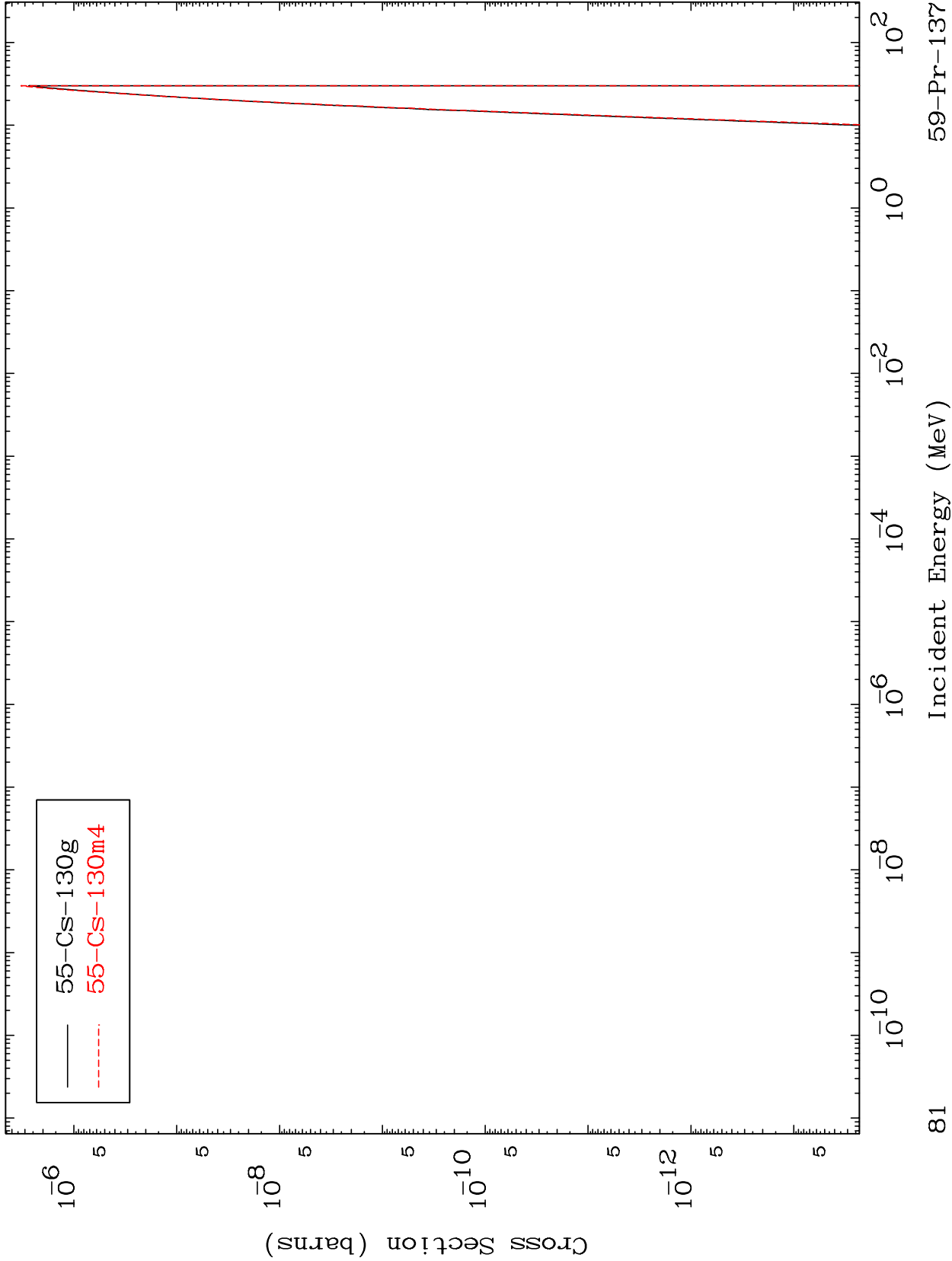
59-Pr-137

MAT 5913

(n,2α)

59-Pr-137

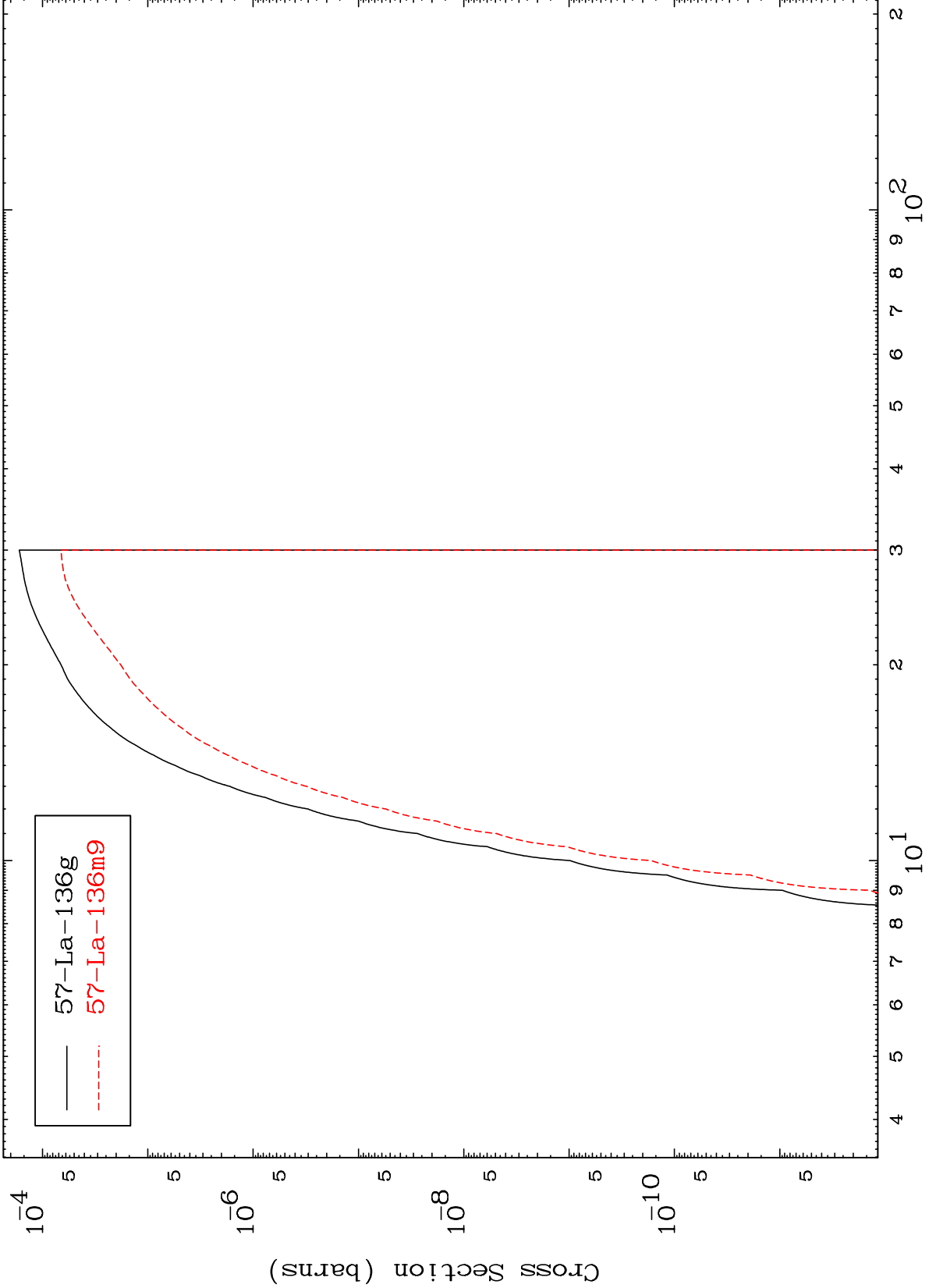
Radionuclide Production Cross Section



MAT 5913

59-Pr-137

(n,2p)  
Radionuclide Production Cross Section



82

59-Pr-137

Incident Energy (MeV)

MAT 5913

(n,p)  $\alpha$

59-Pr-137

Radionuclide Production Cross Section

