

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

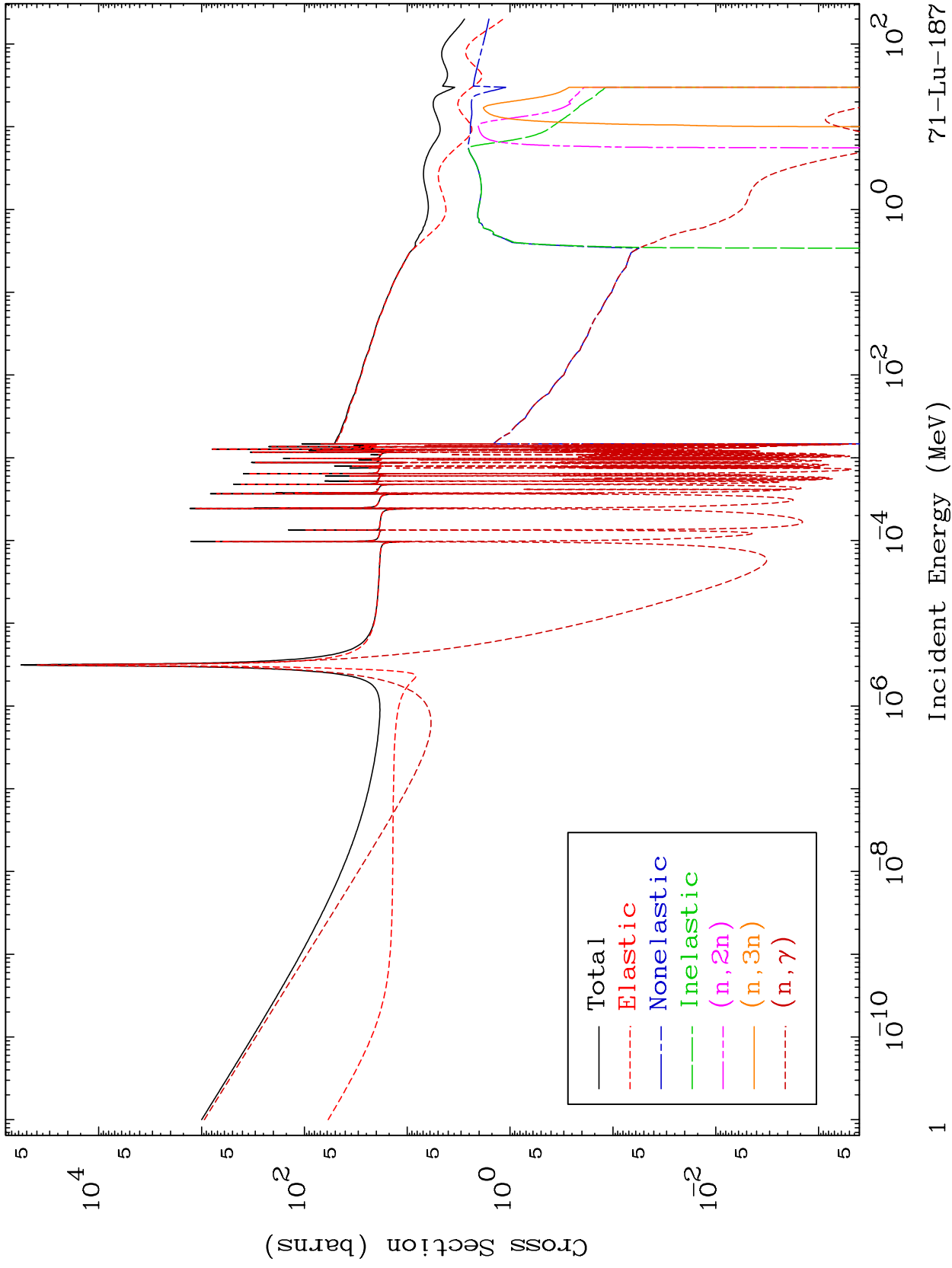
Web:redcullen1.net/HOMEPAGE.NEW

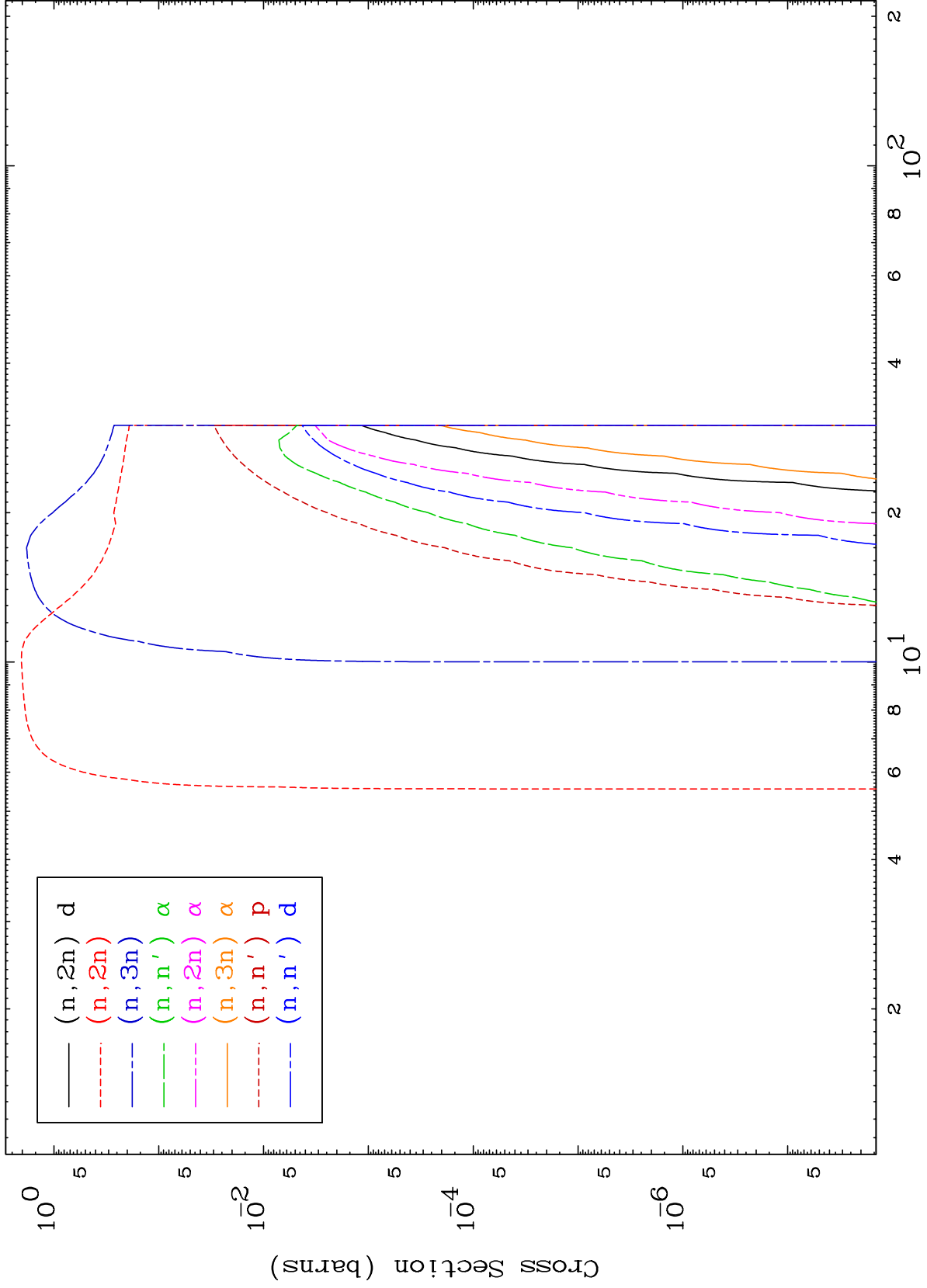
Press Mouse Button to Start

MAT 7161

Neutron Major  
293 Kelvin Cross Sections

71-Lu-187

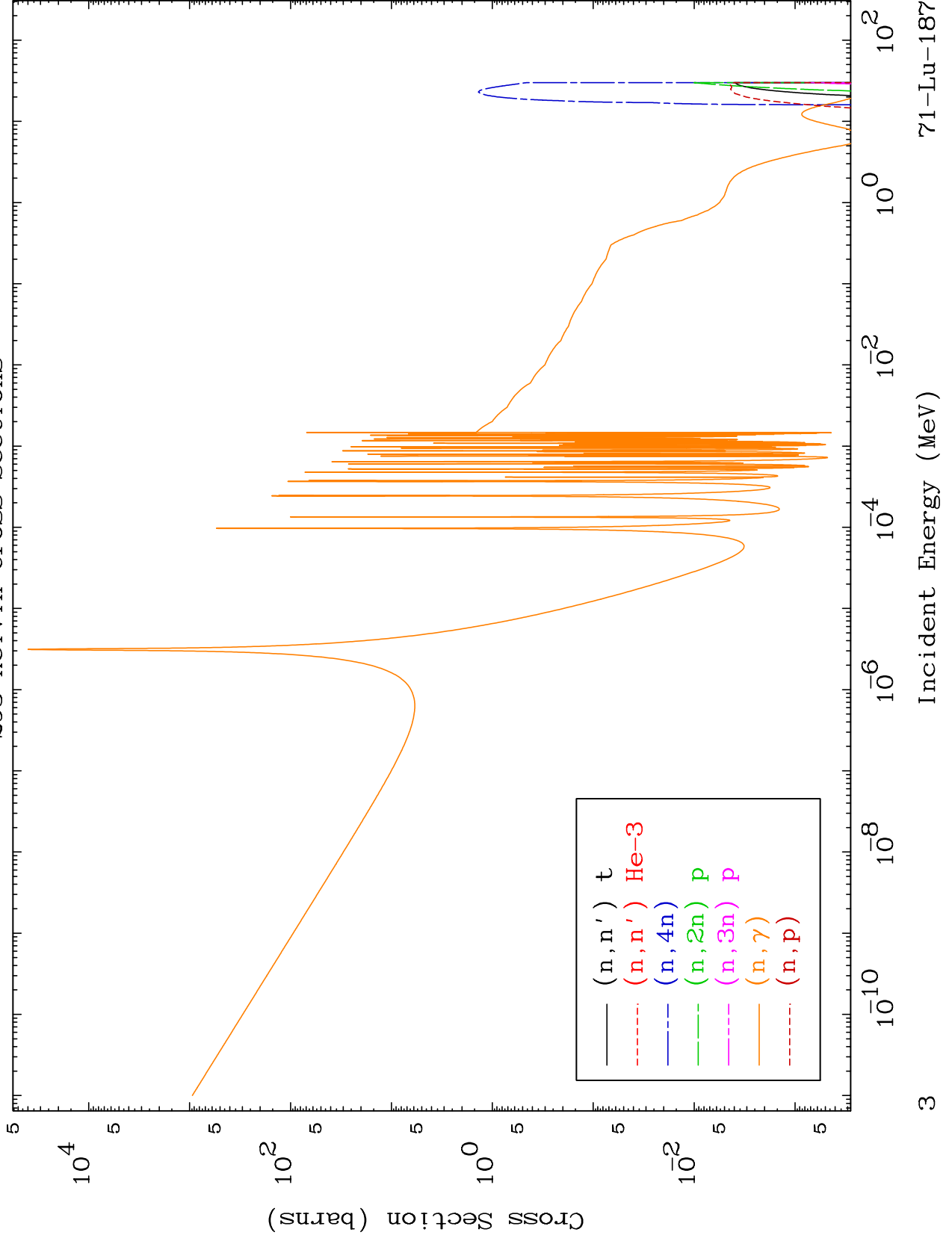




MAT 7161

Neutron Absorption  
293 Kelvin Cross Sections

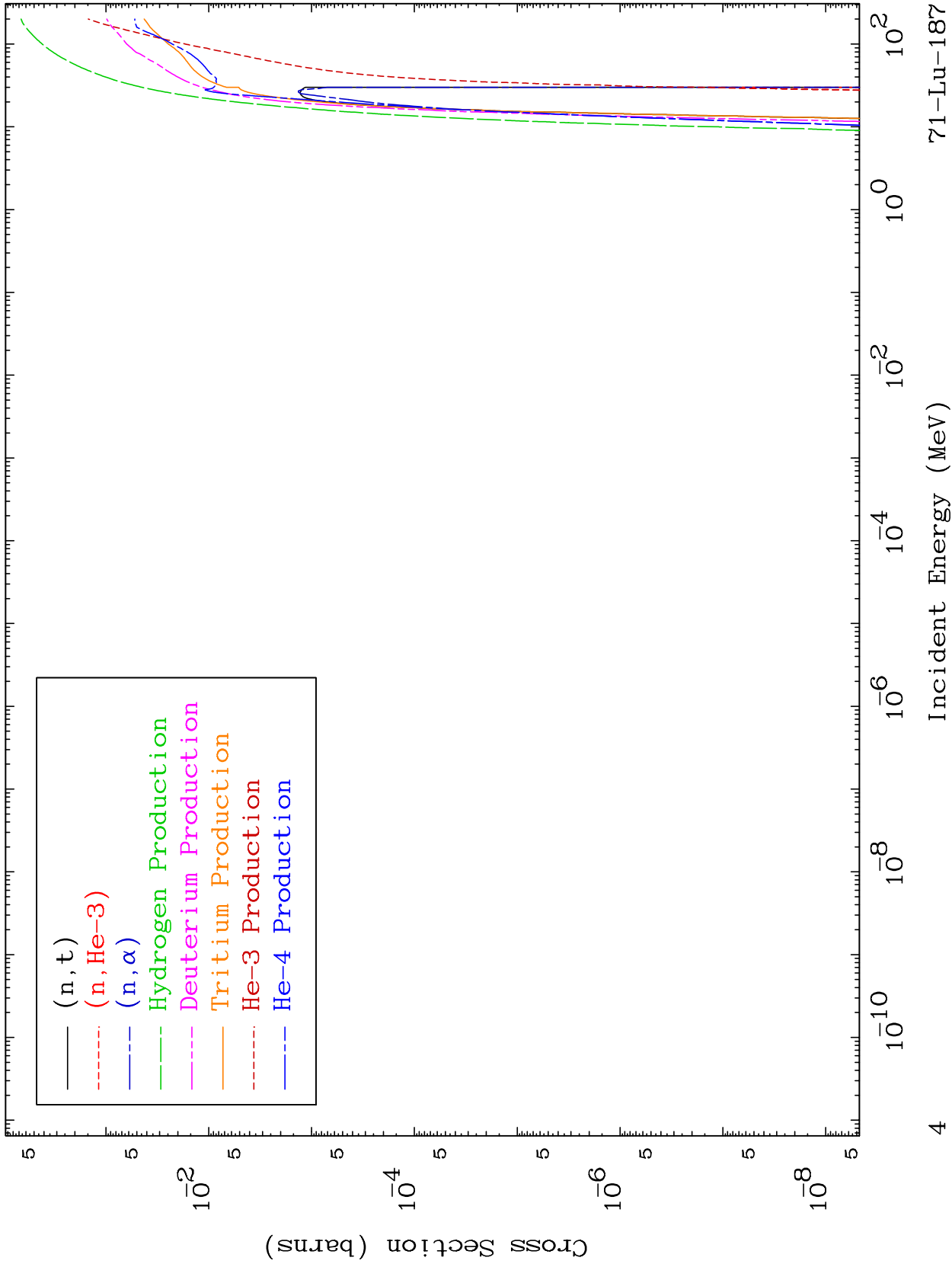
71-Lu-187

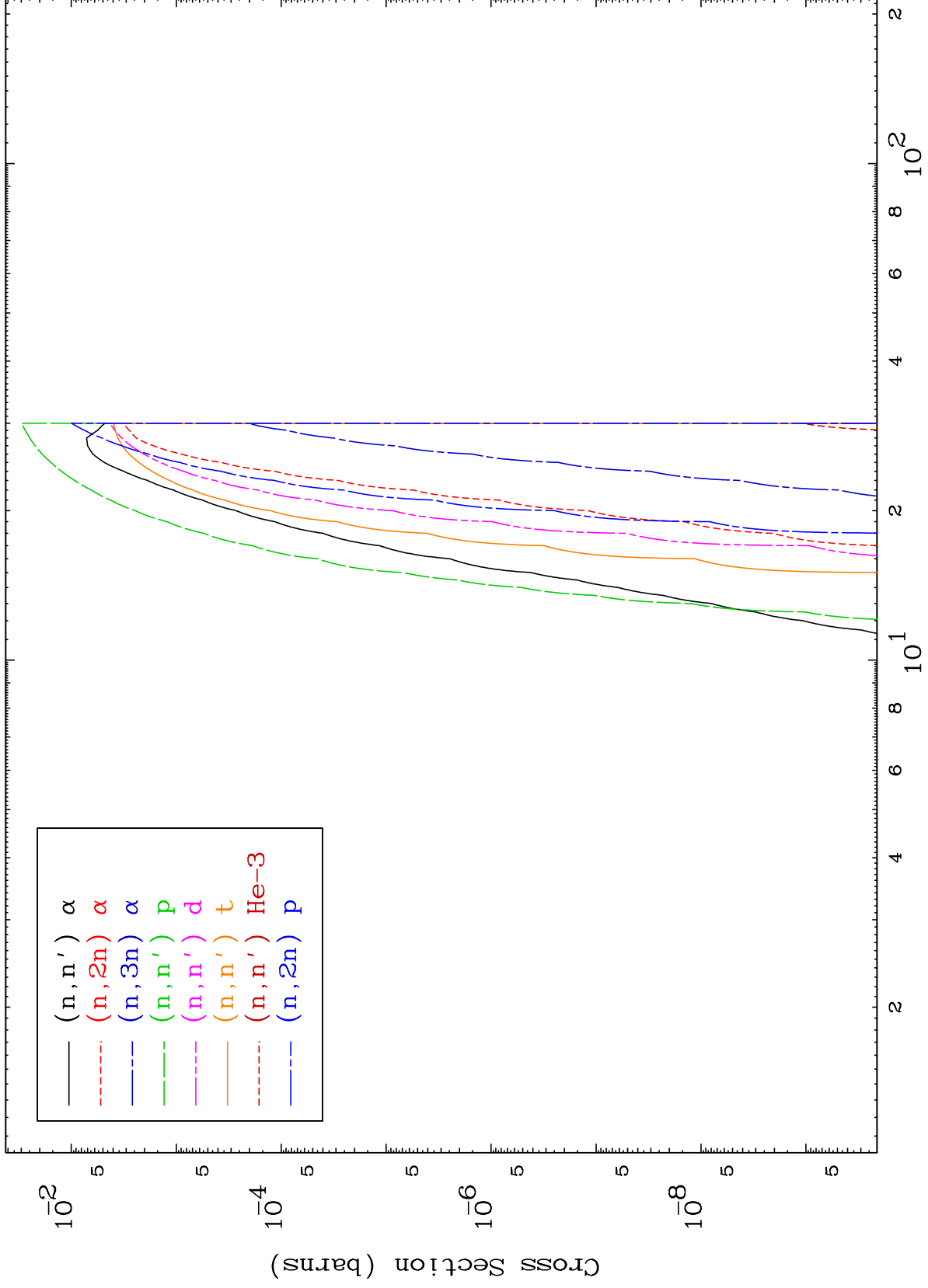


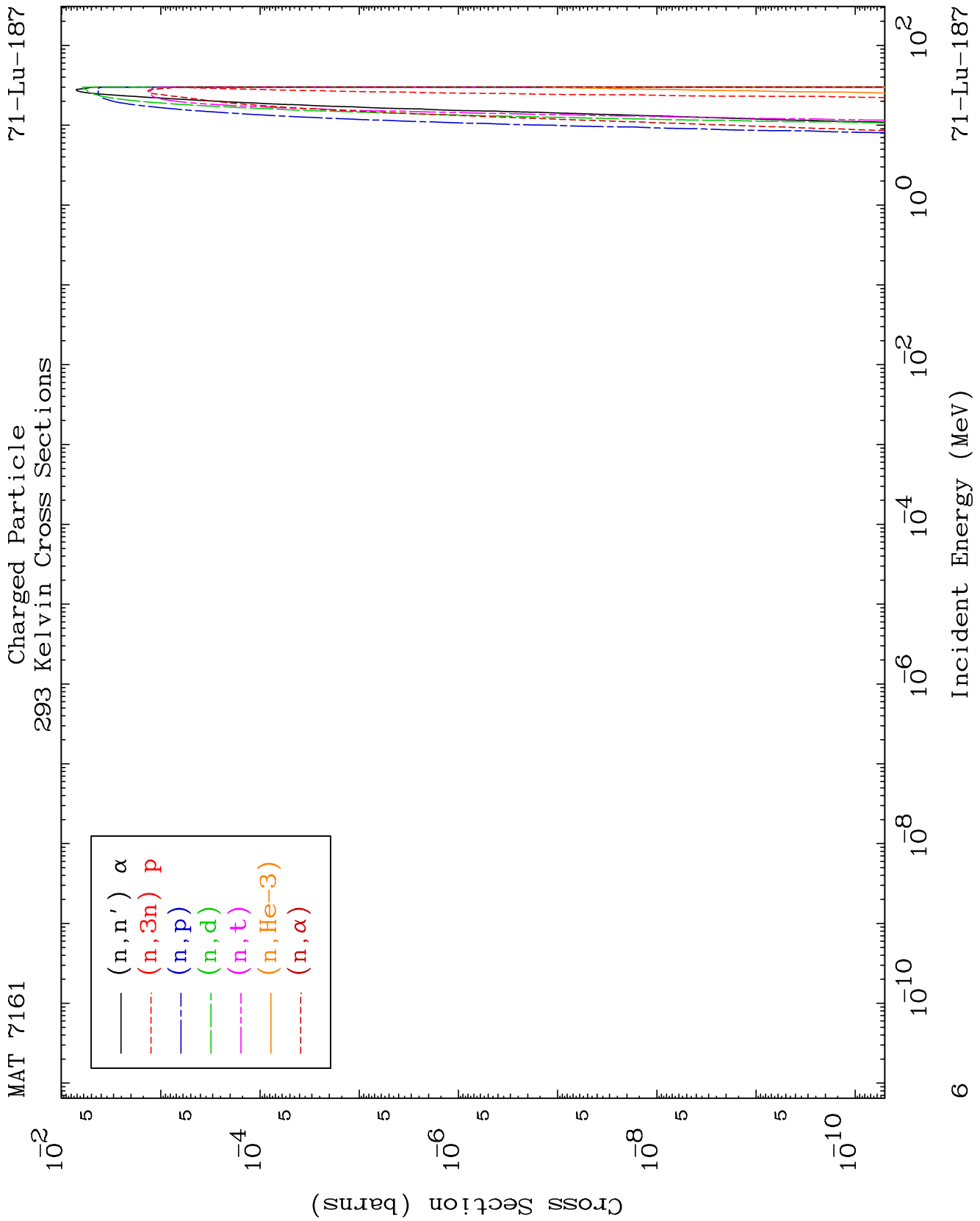
MAT 7161

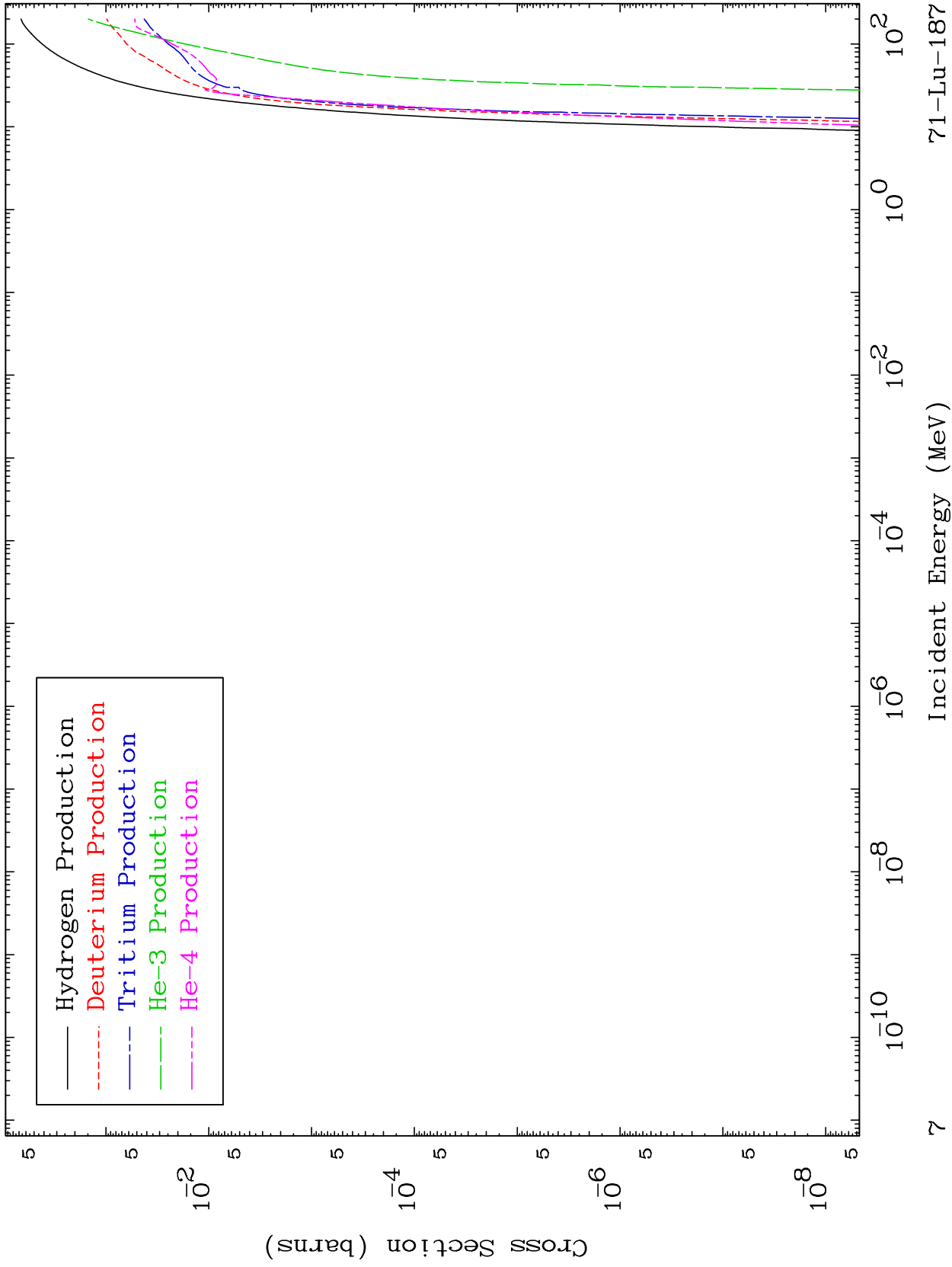
Neutron Absorption  
293 Kelvin Cross Sections

71-Lu-187









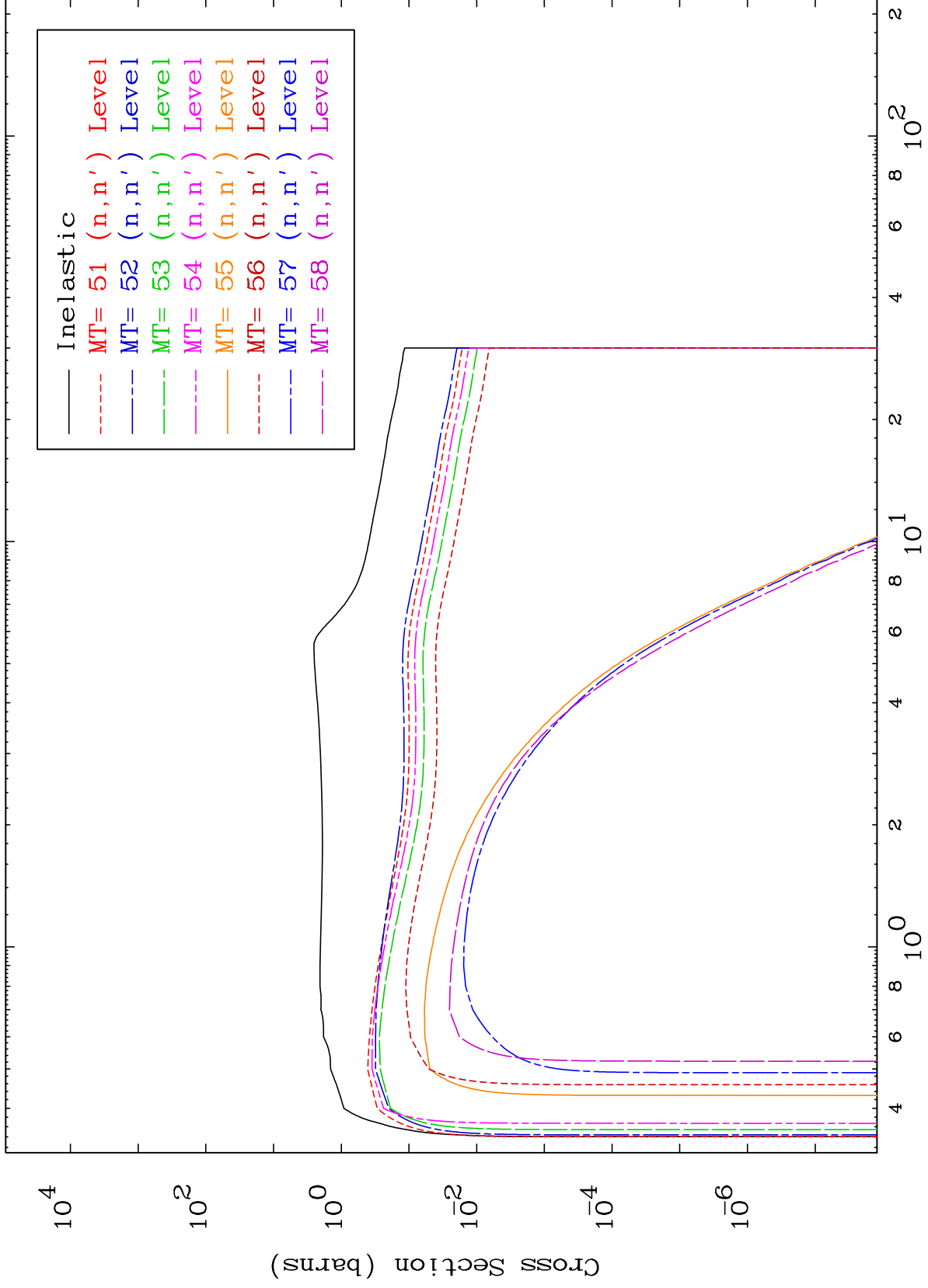


MAT 7161

(n,n') Levels

71-Lu-187

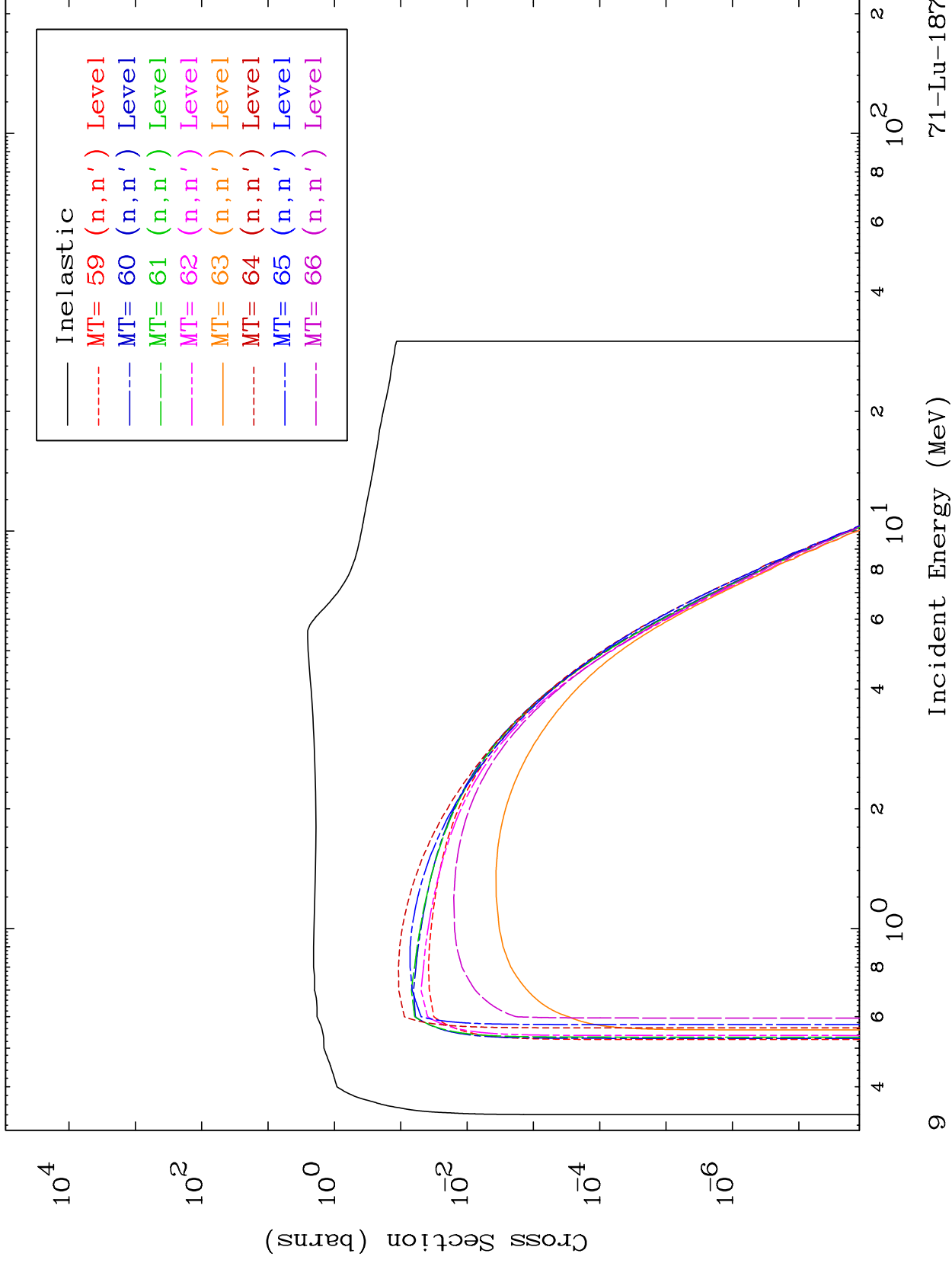
293 Kelvin Cross Sections



8

Incident Energy (MeV)

71-Lu-187

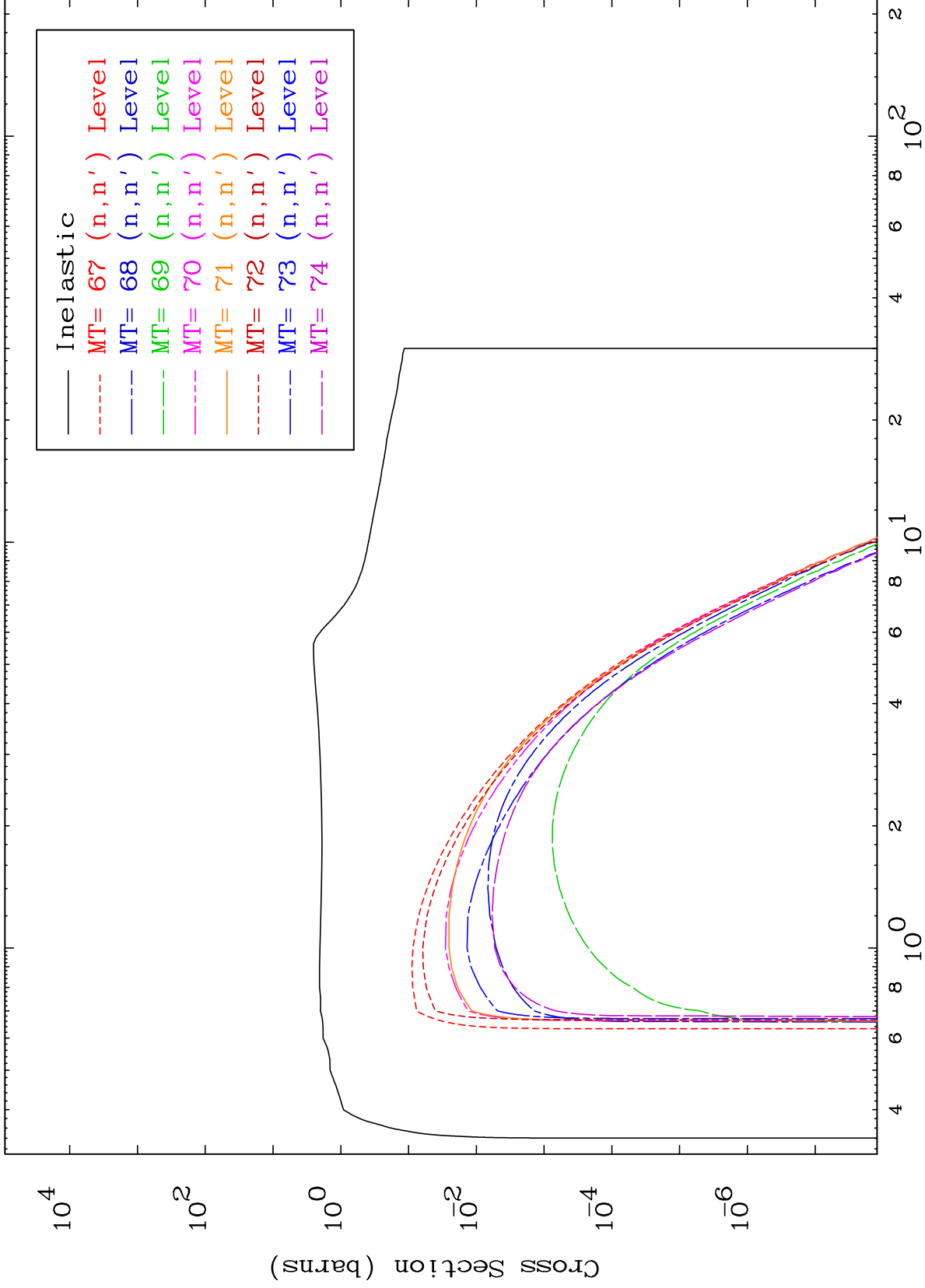


MAT 7161

(n,n') Levels

71-Lu-187

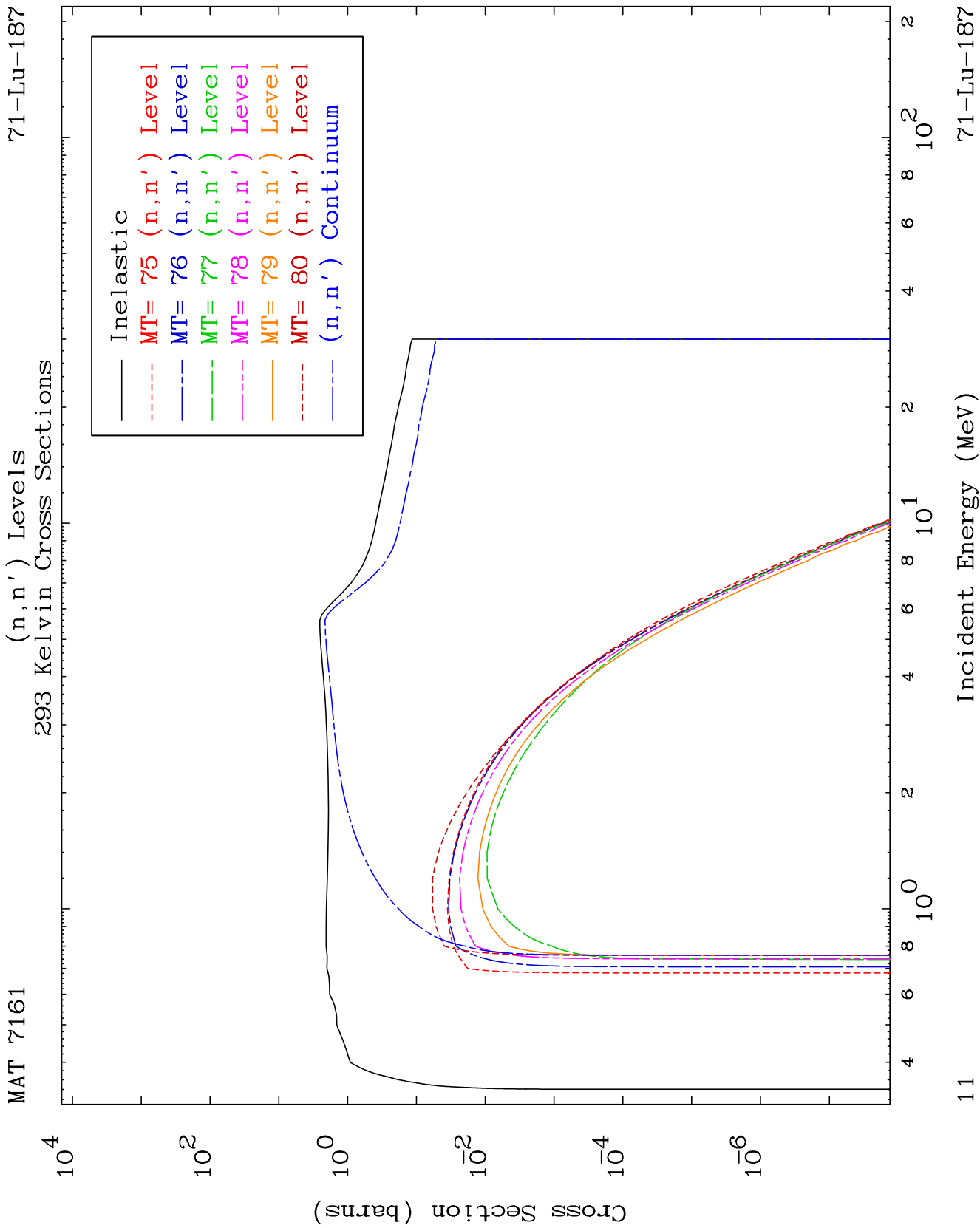
293 Kelvin Cross Sections



10

Incident Energy (MeV)

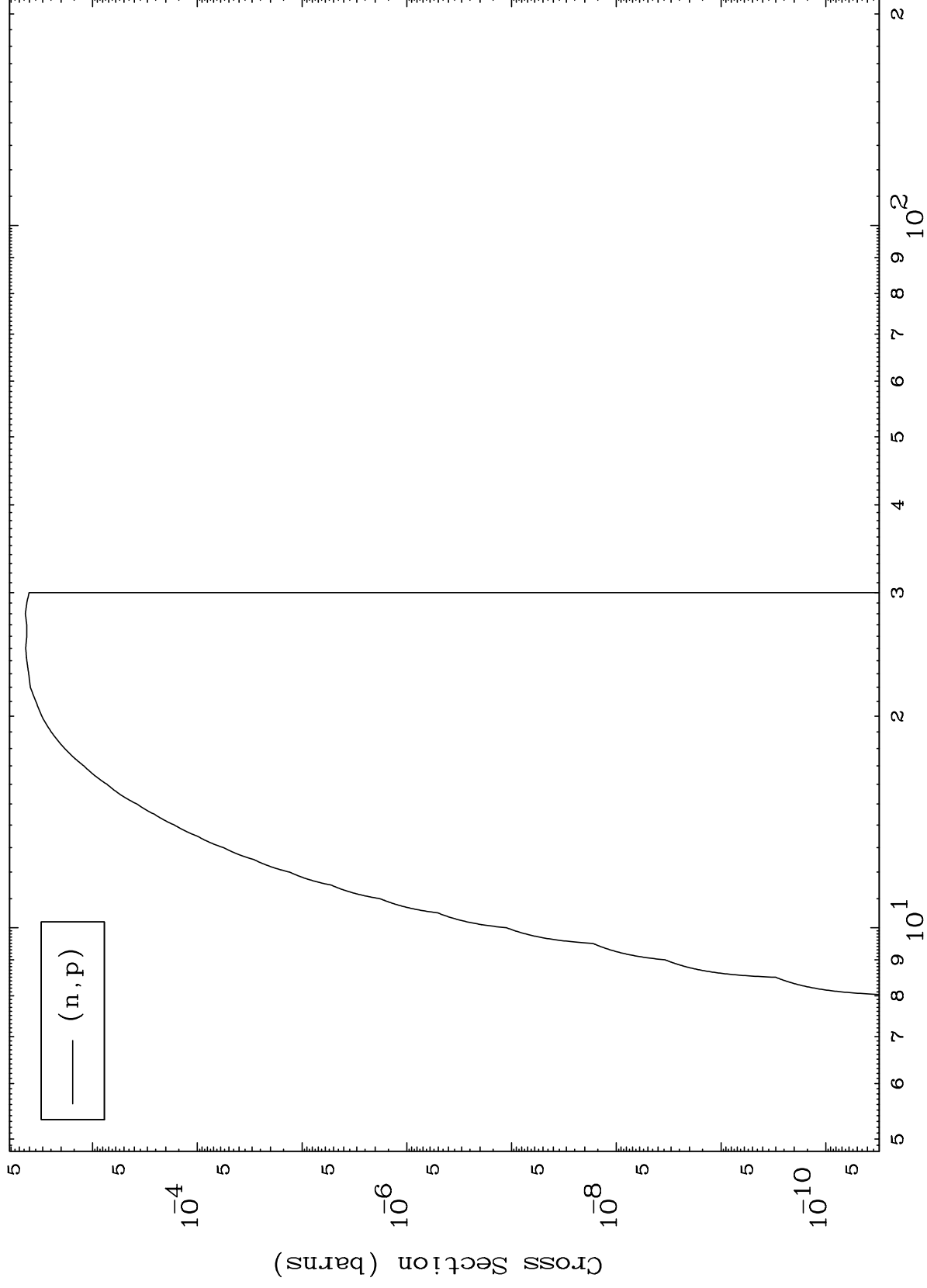
71-Lu-187



MAT 7161

(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-187



12

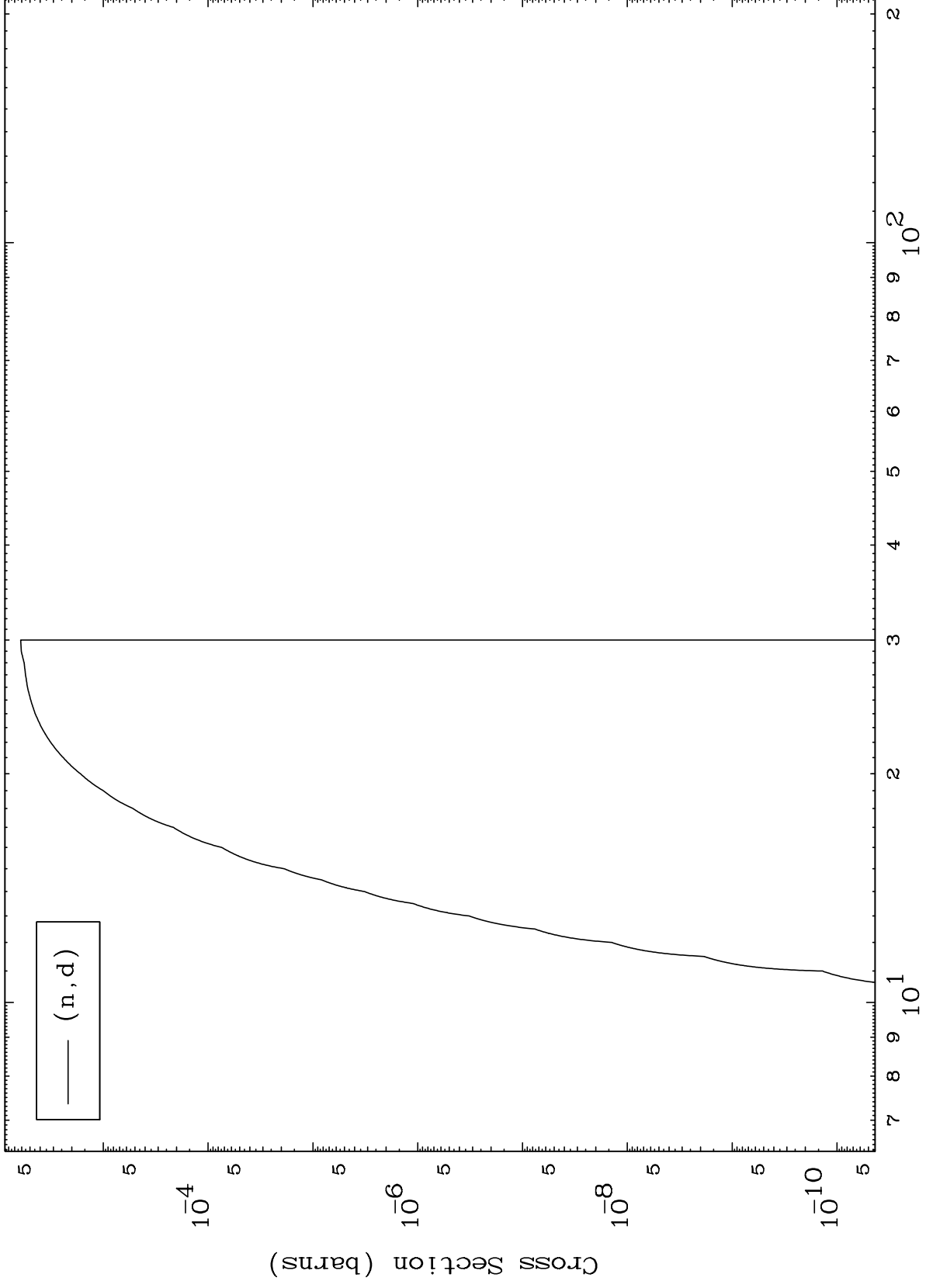
Incident Energy (MeV)

71-Lu-187

MAT 7161

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-187



13

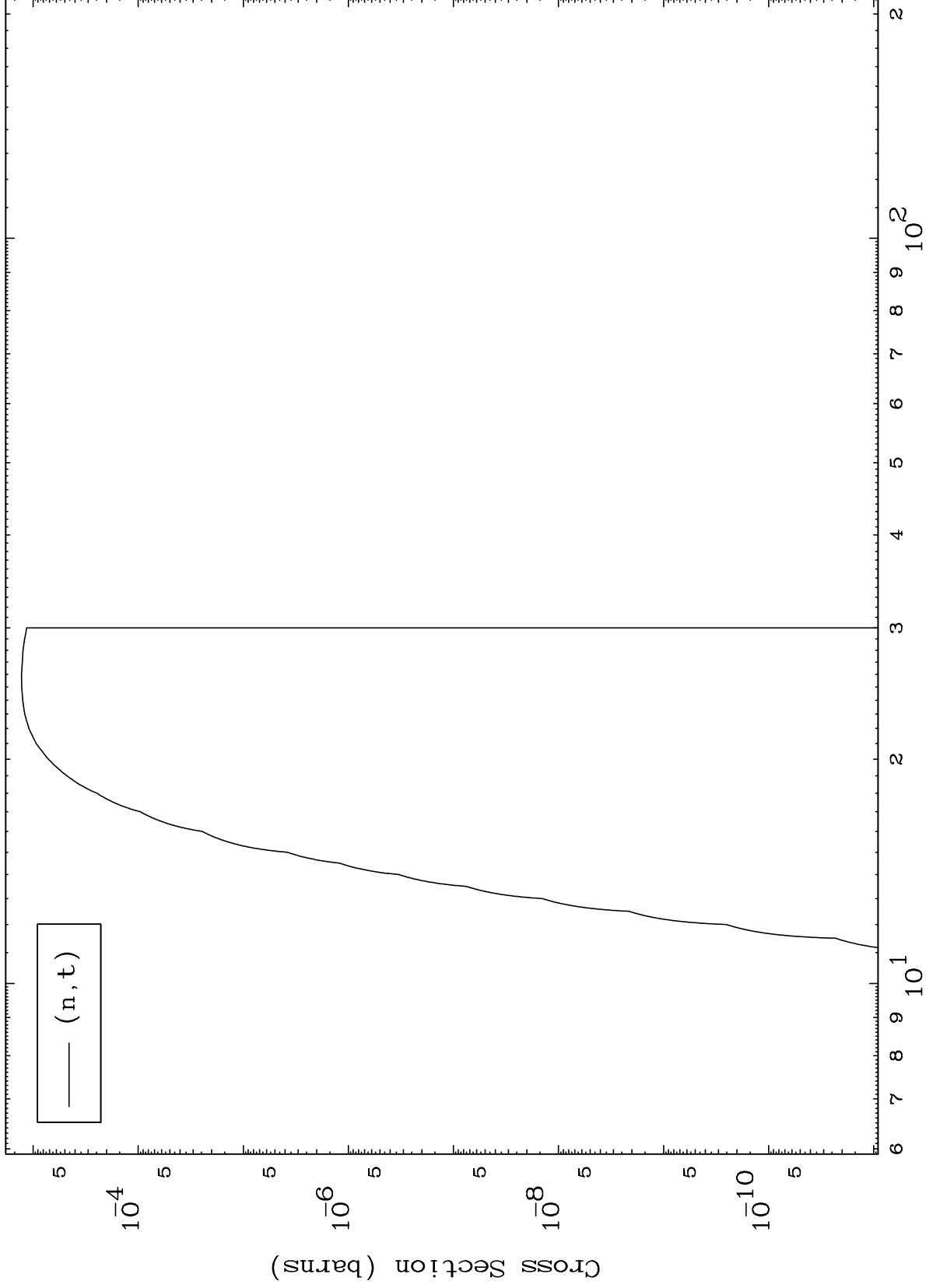
Incident Energy (MeV)

71-Lu-187

MAT 7161

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-187



14

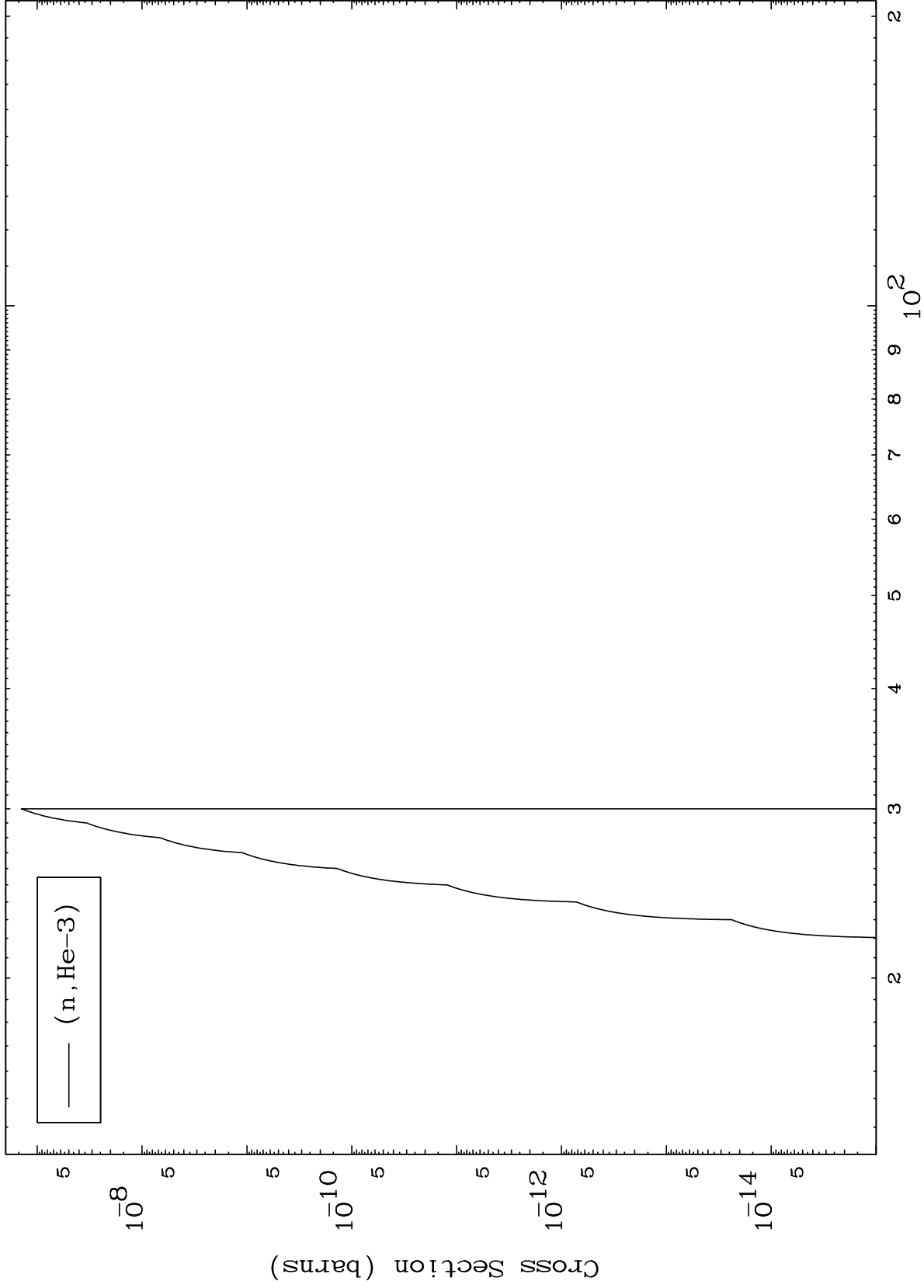
Incident Energy (MeV)

71-Lu-187

MAT 7161

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-187



15

Incident Energy (MeV)

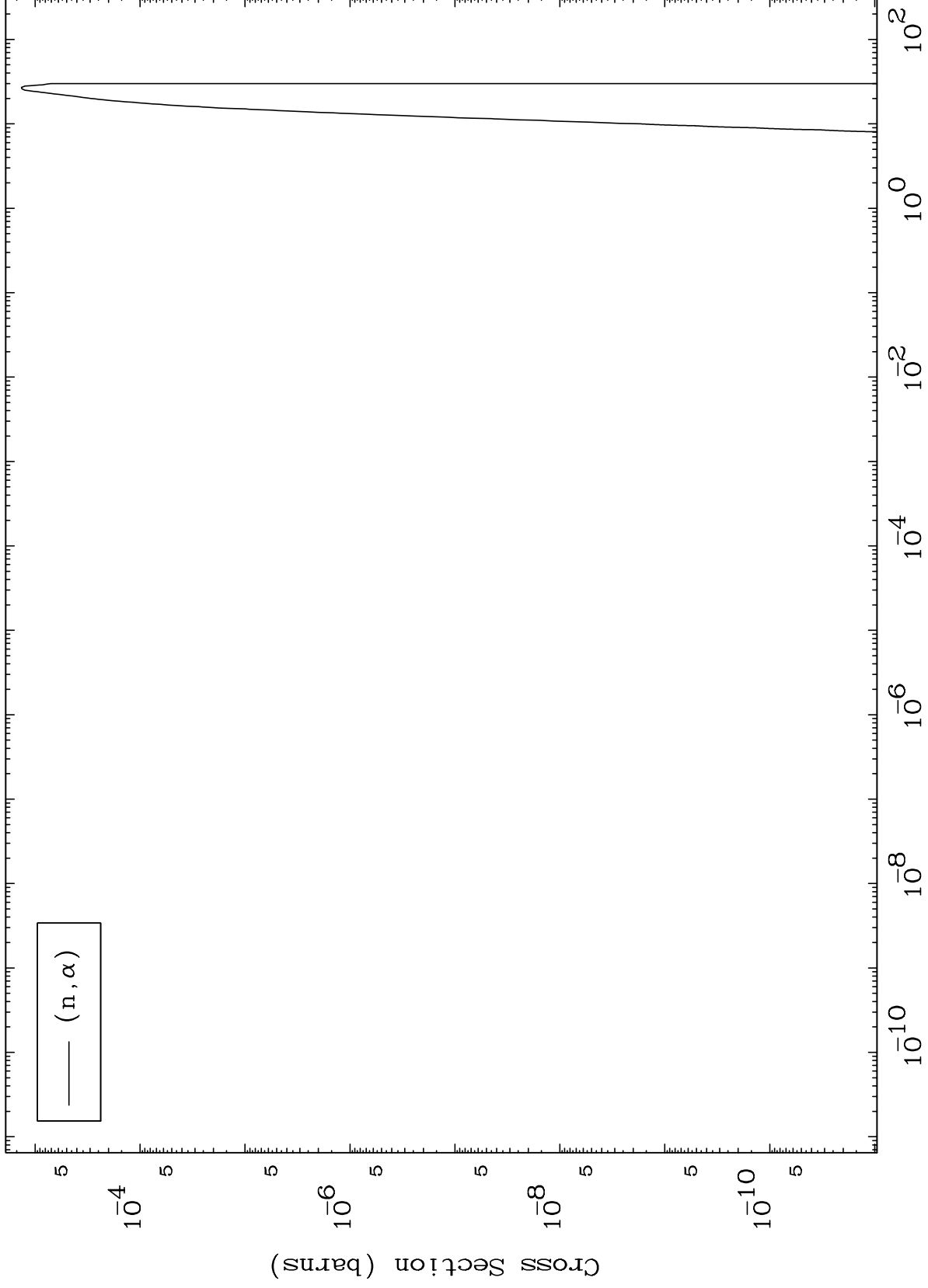
71-Lu-187

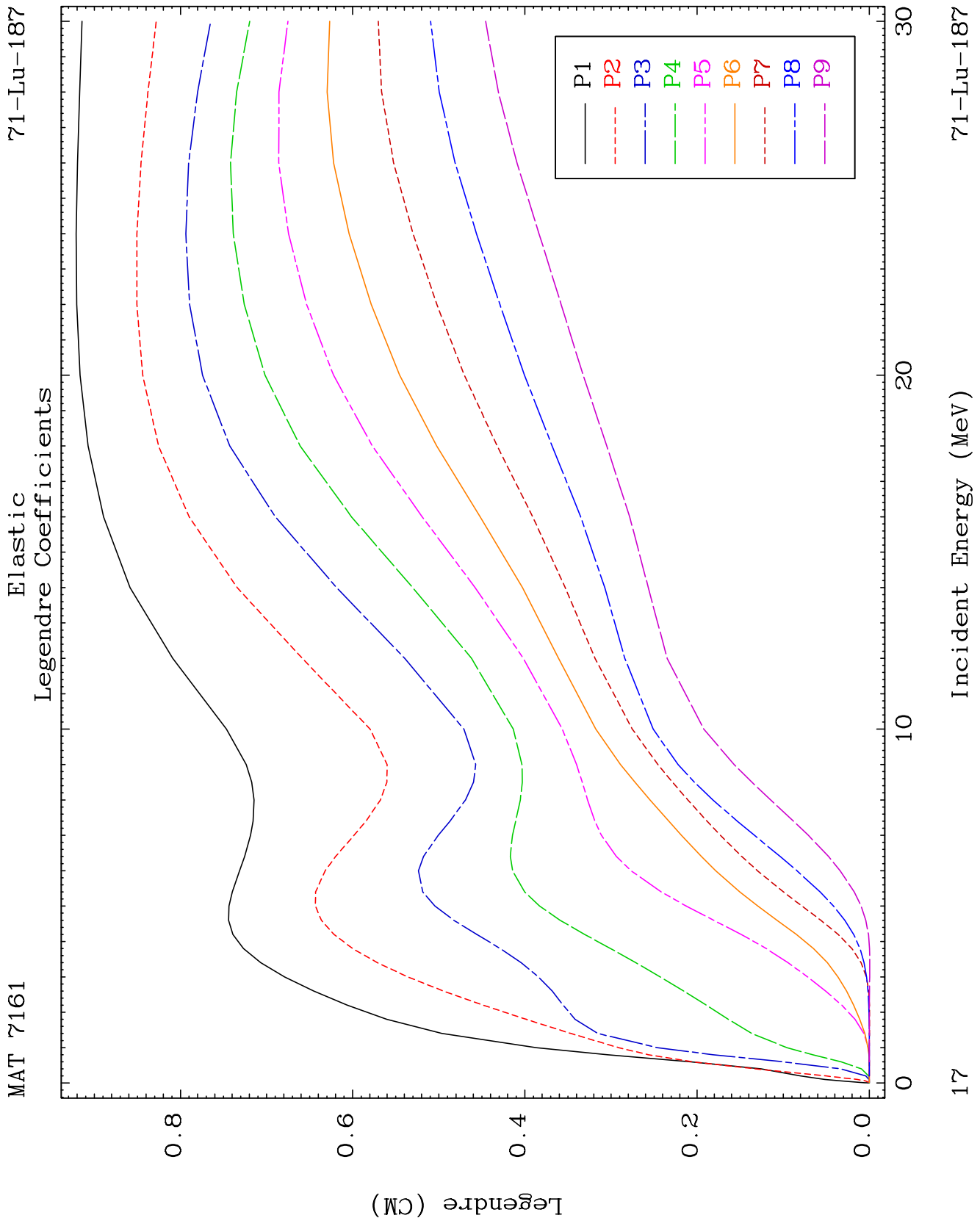


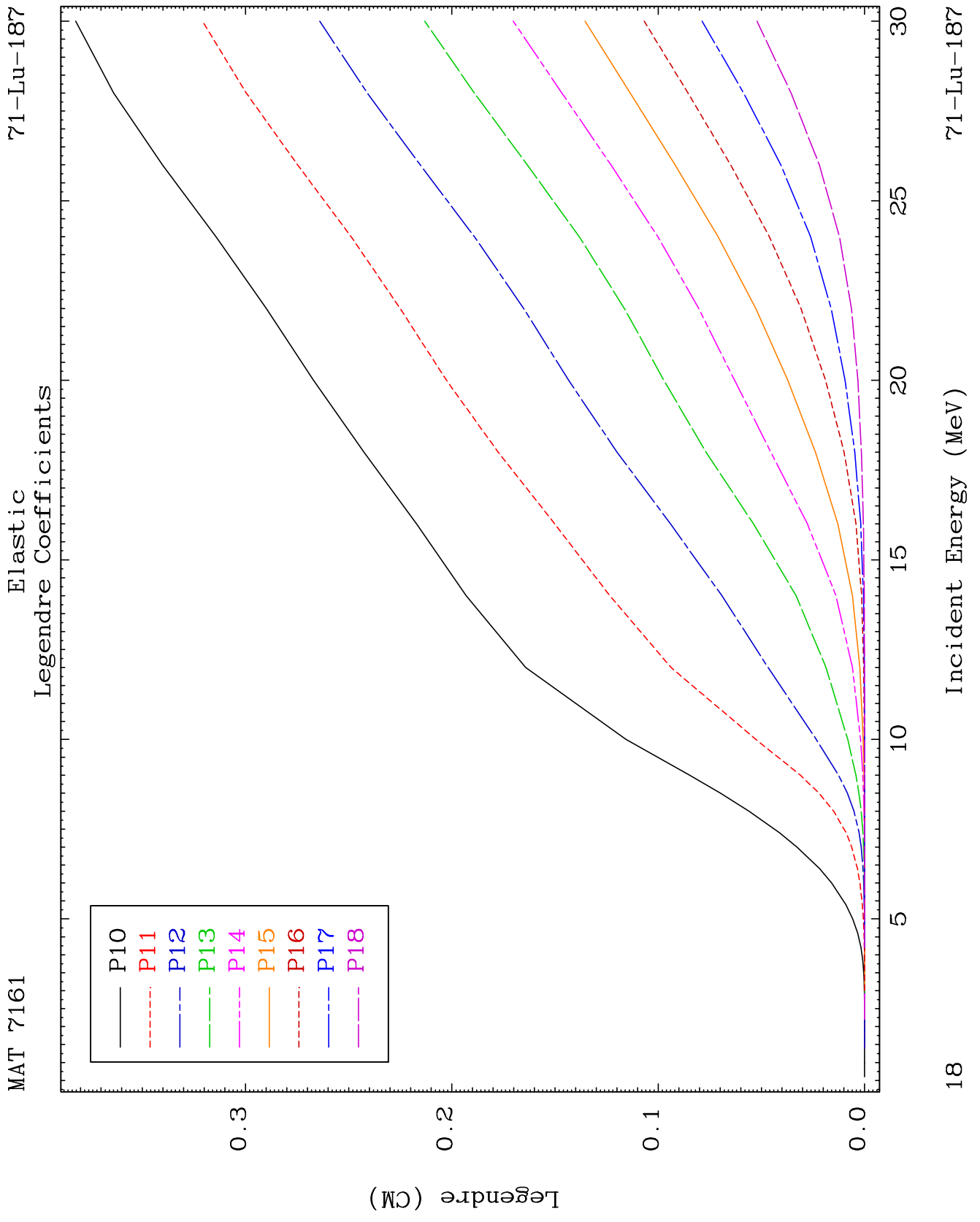
MAT 7161

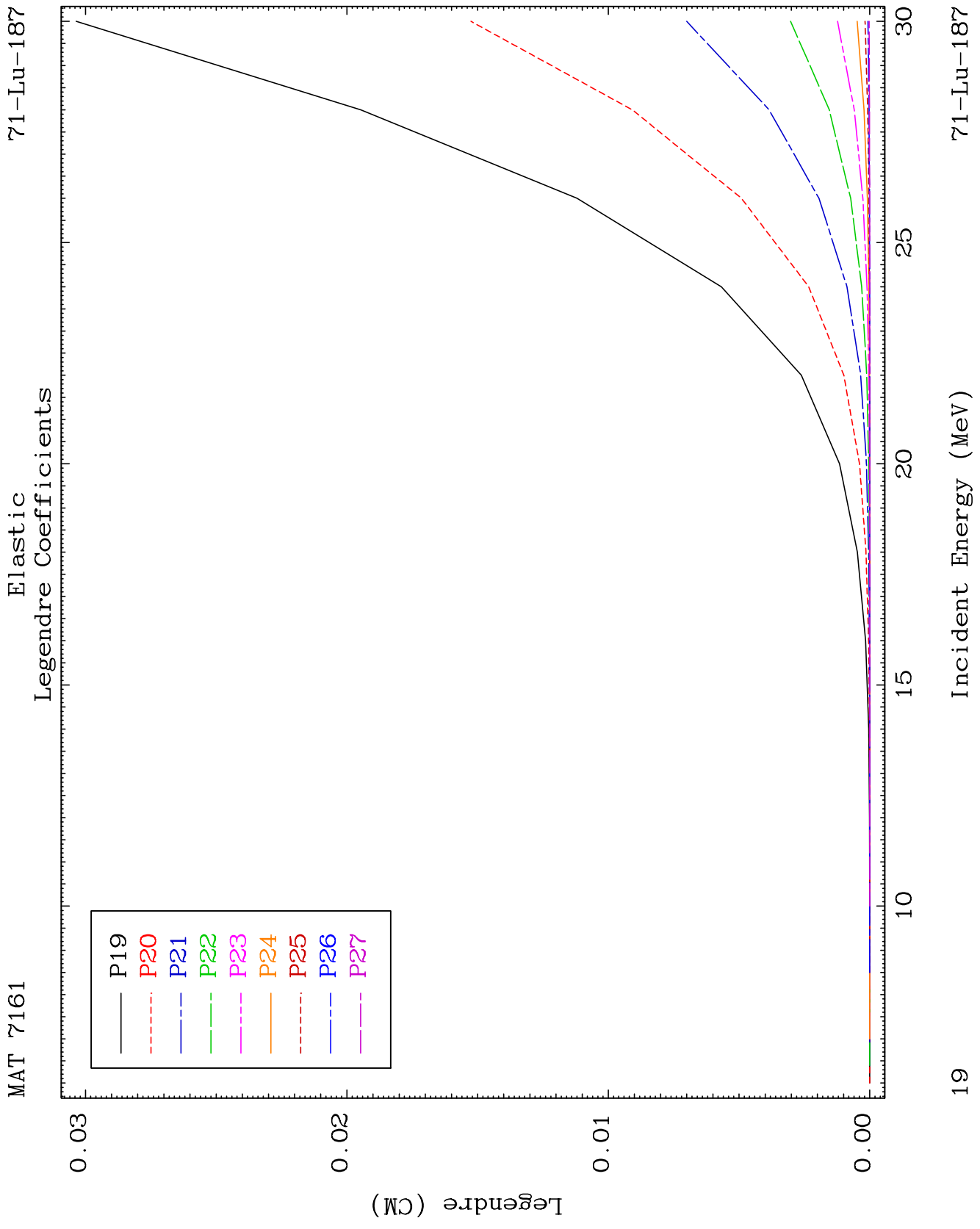
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

71-Lu-187









MAT 7161

Elastic Legendre Coefficients

71-Lu-187

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

19

Incident Energy (MeV)

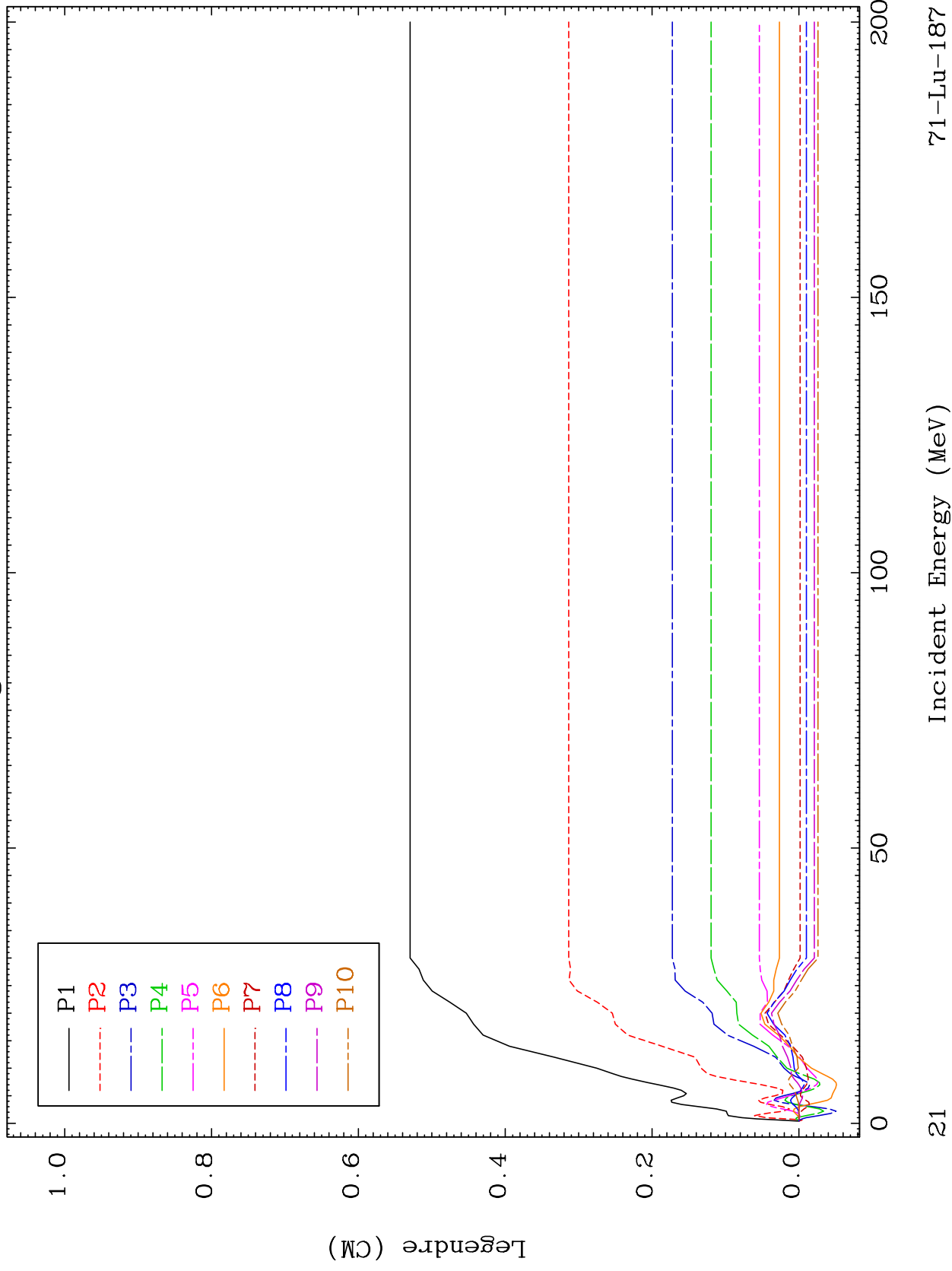
71-Lu-187



MAT 7161

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

71-Lu-187



71-Lu-187

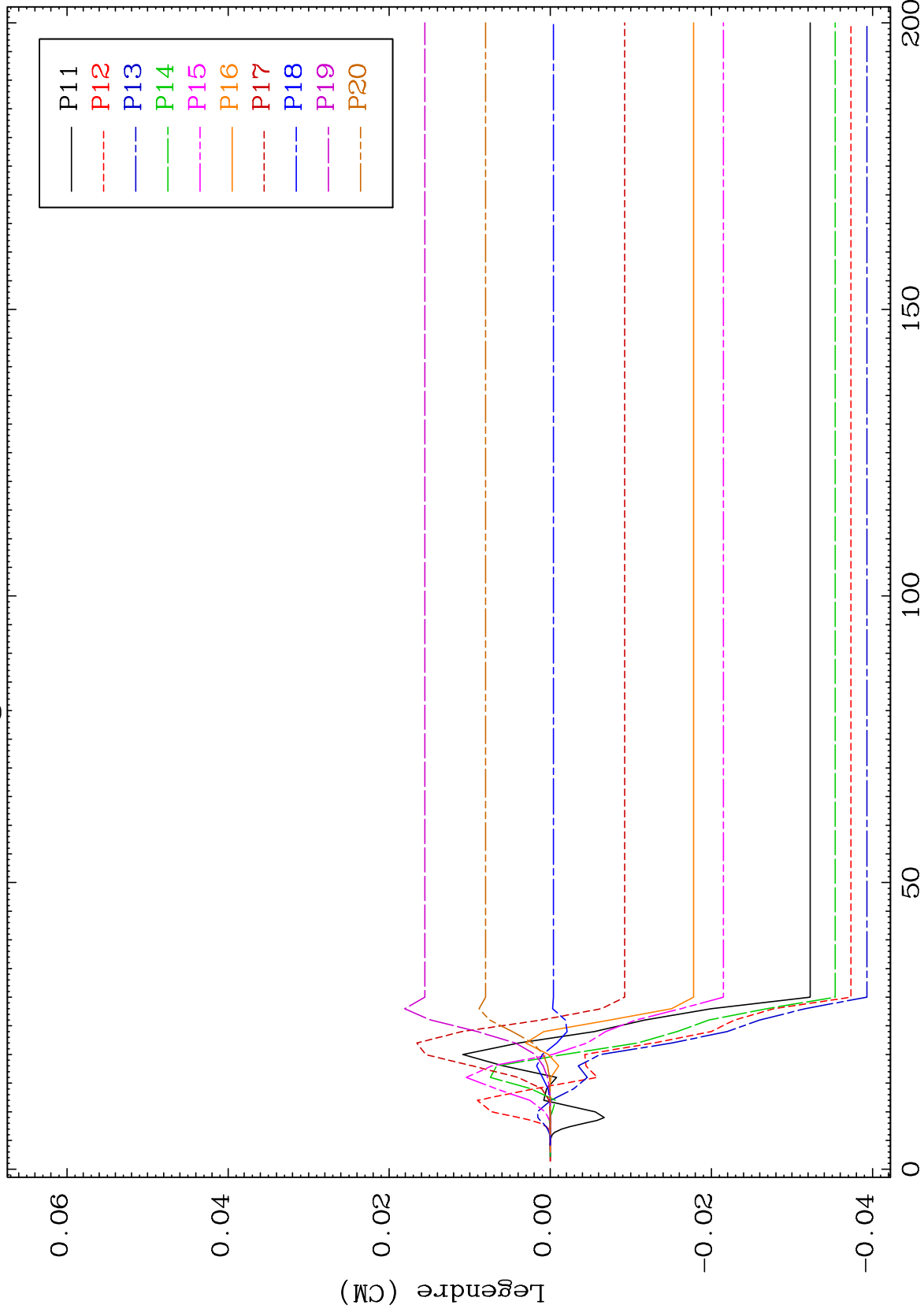
Incident Energy (MeV)

21

MAT 7161

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

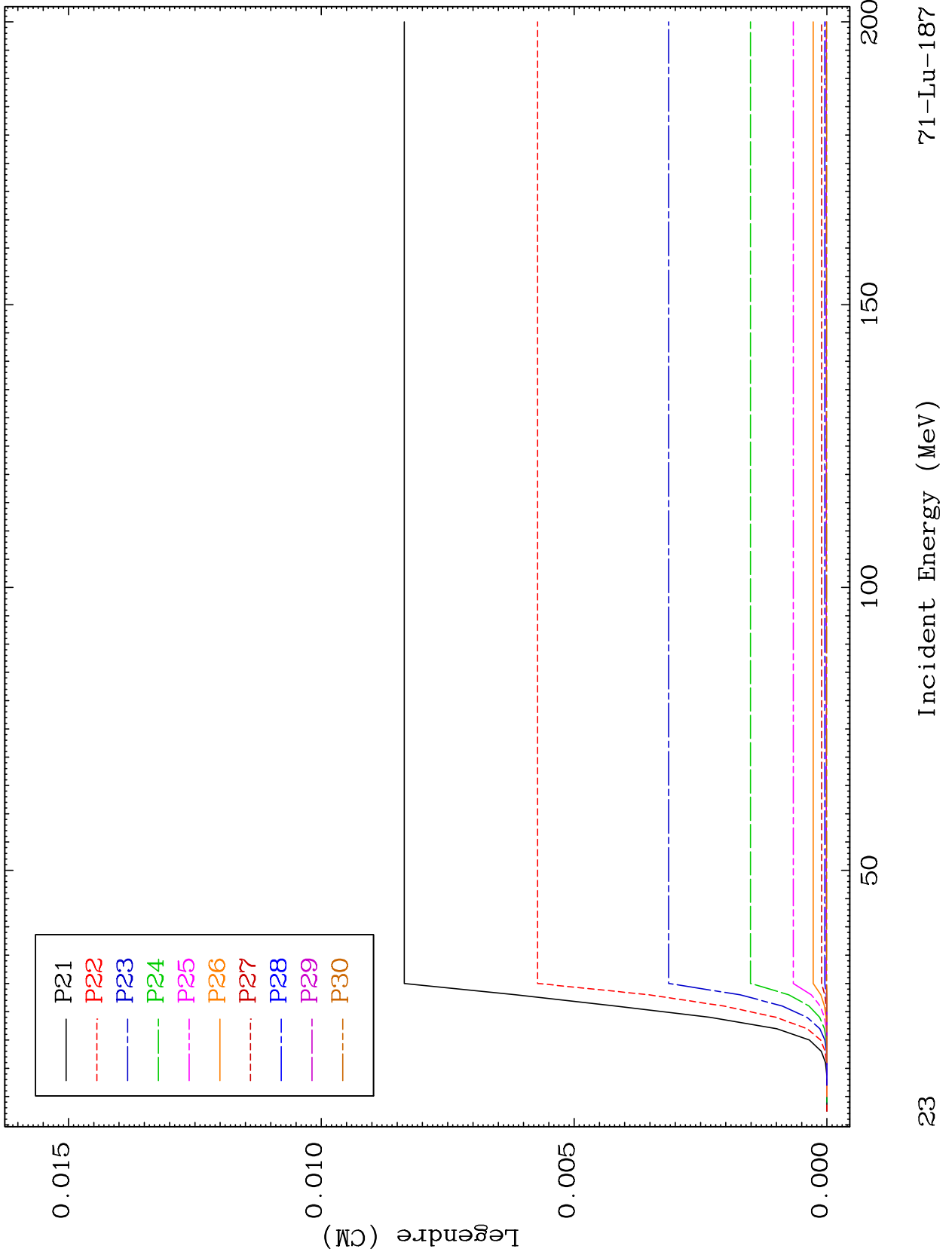
71-Lu-187



22

Incident Energy (MeV)

71-Lu-187

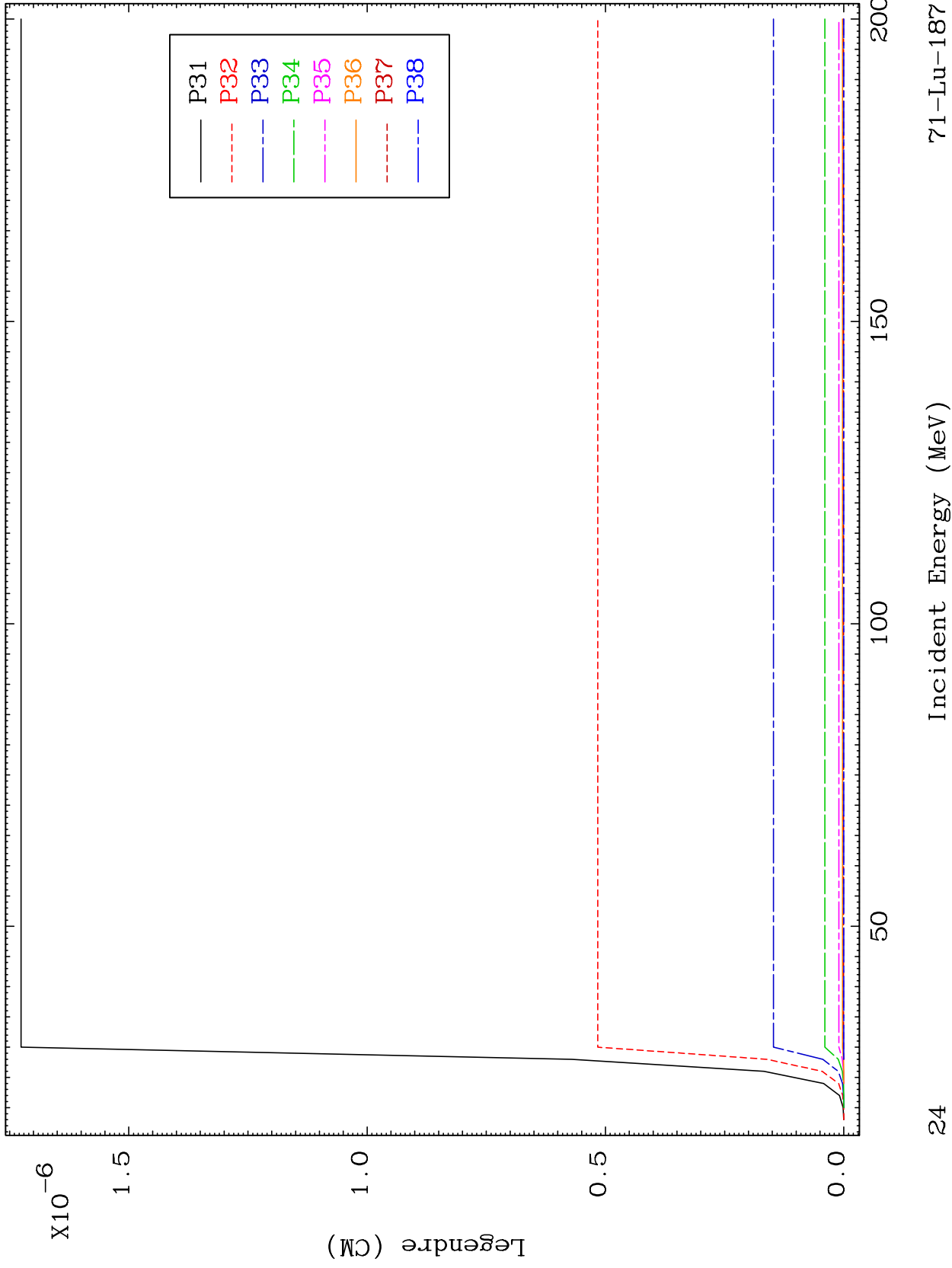




MAT 7161

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

71-Lu-187



24

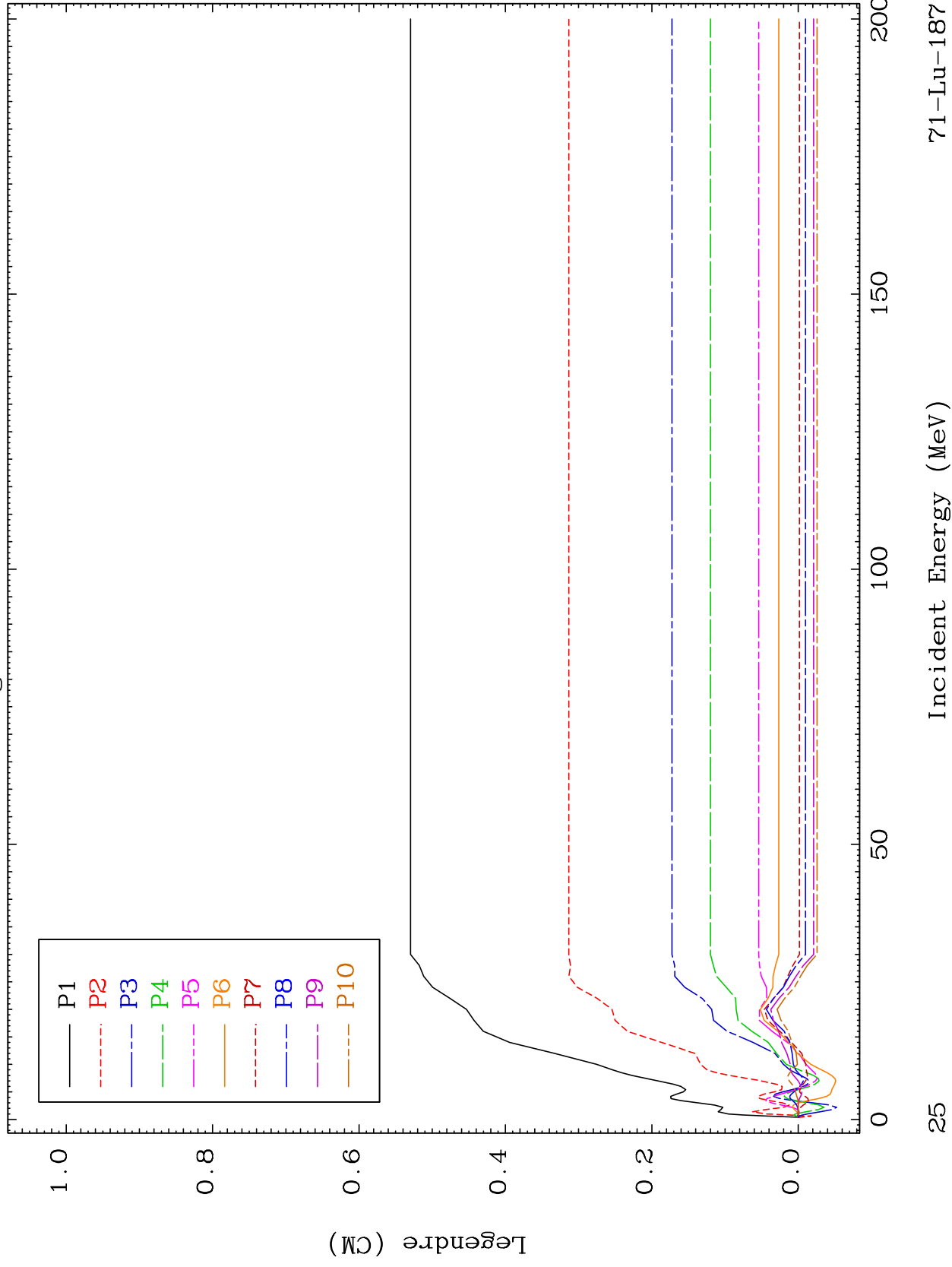
Incident Energy (MeV)

71-Lu-187

MAT 7161

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

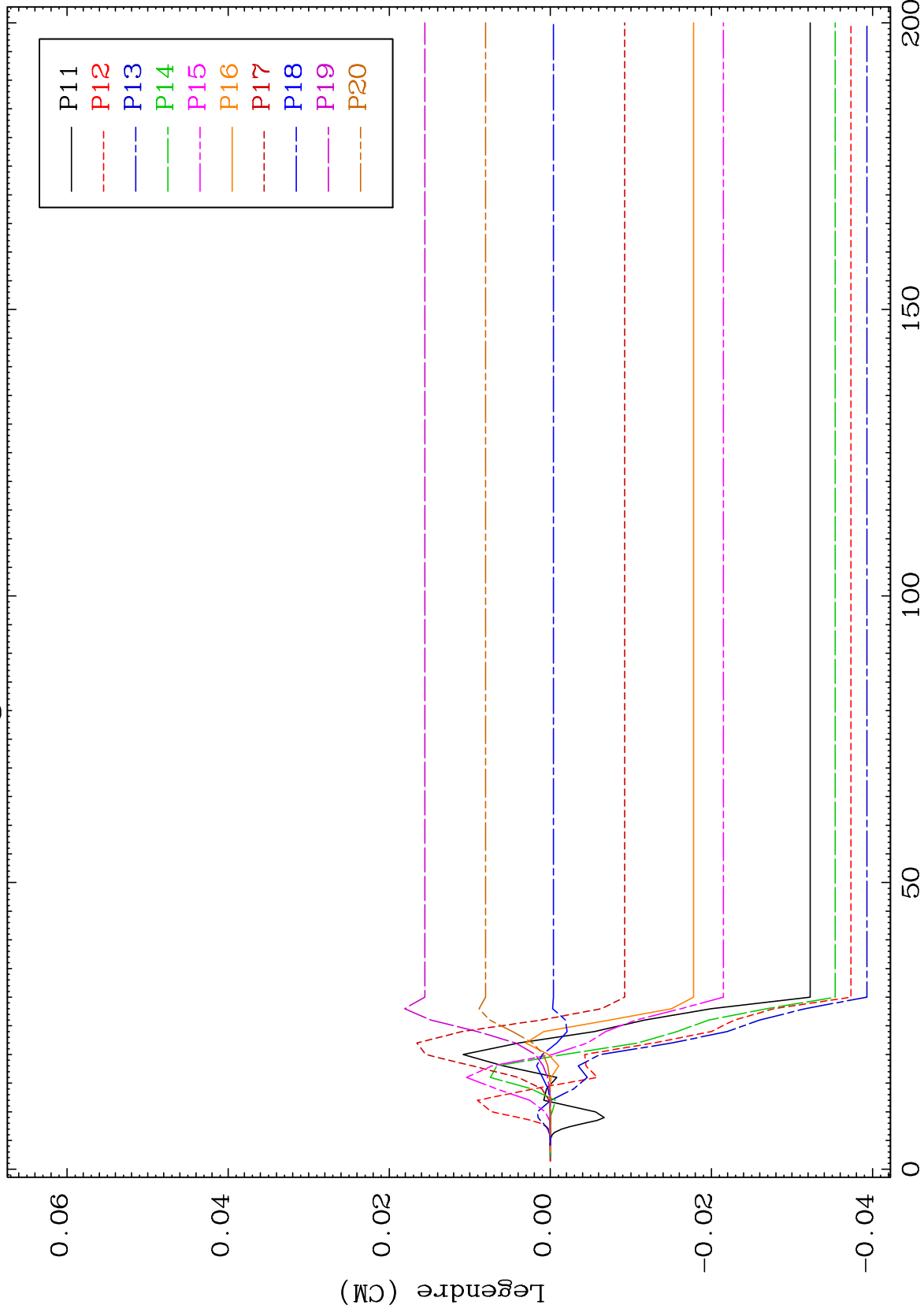
71-Lu-187



MAT 7161

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

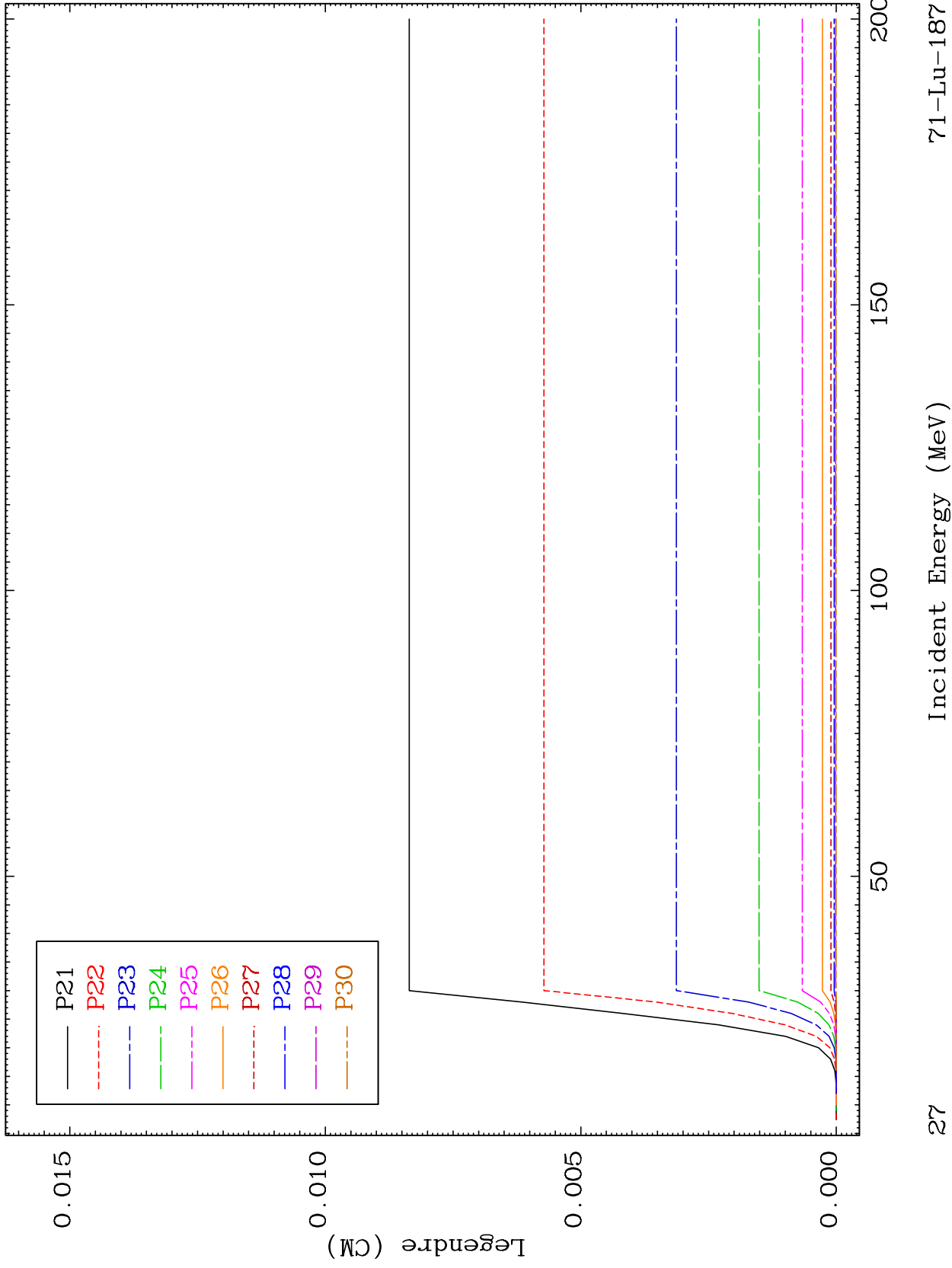
71-Lu-187



26

Incident Energy (MeV)

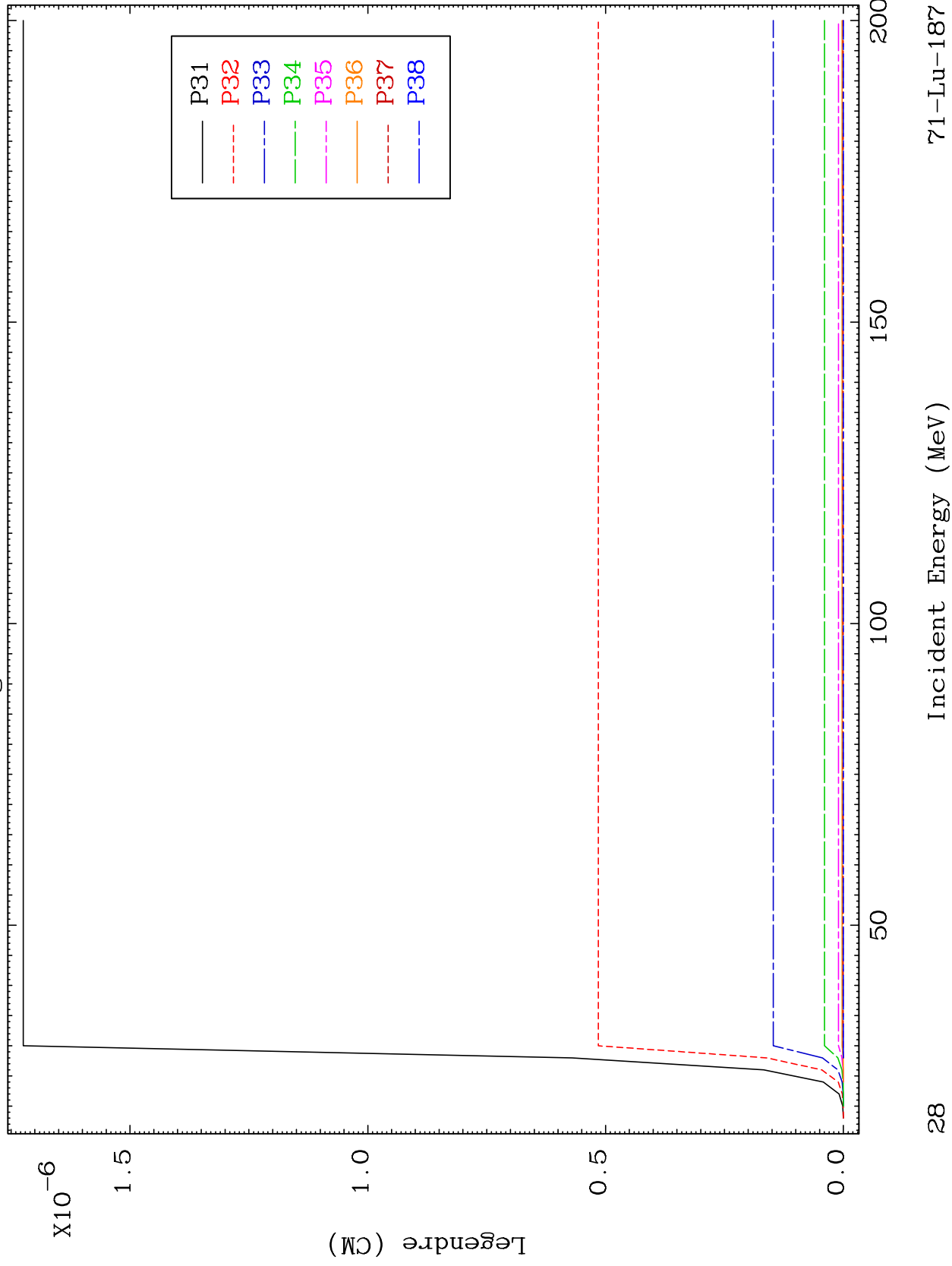
71-Lu-187



MAT 7161

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

71-Lu-187



28

Incident Energy (MeV)

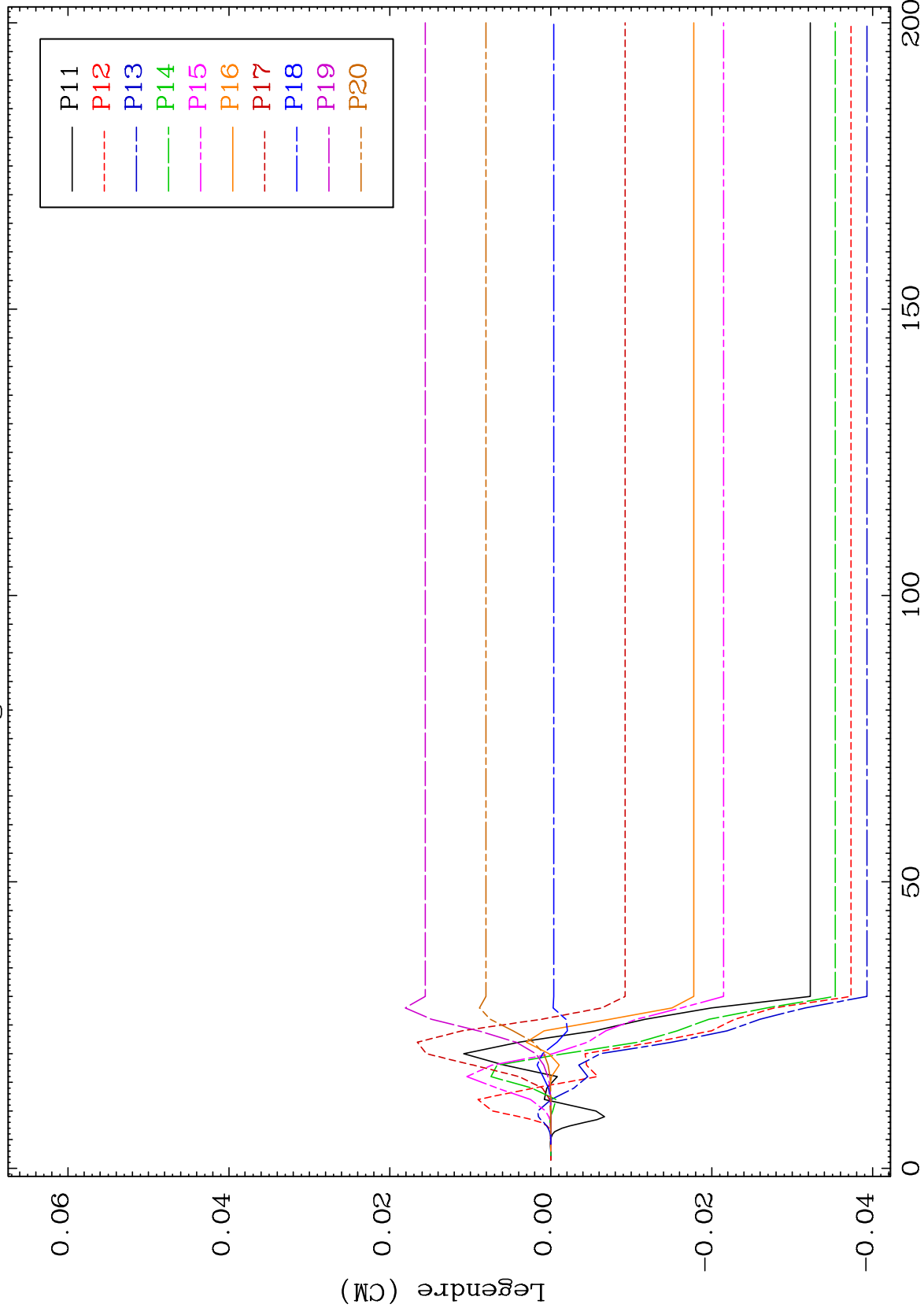
71-Lu-187



MAT 7161

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

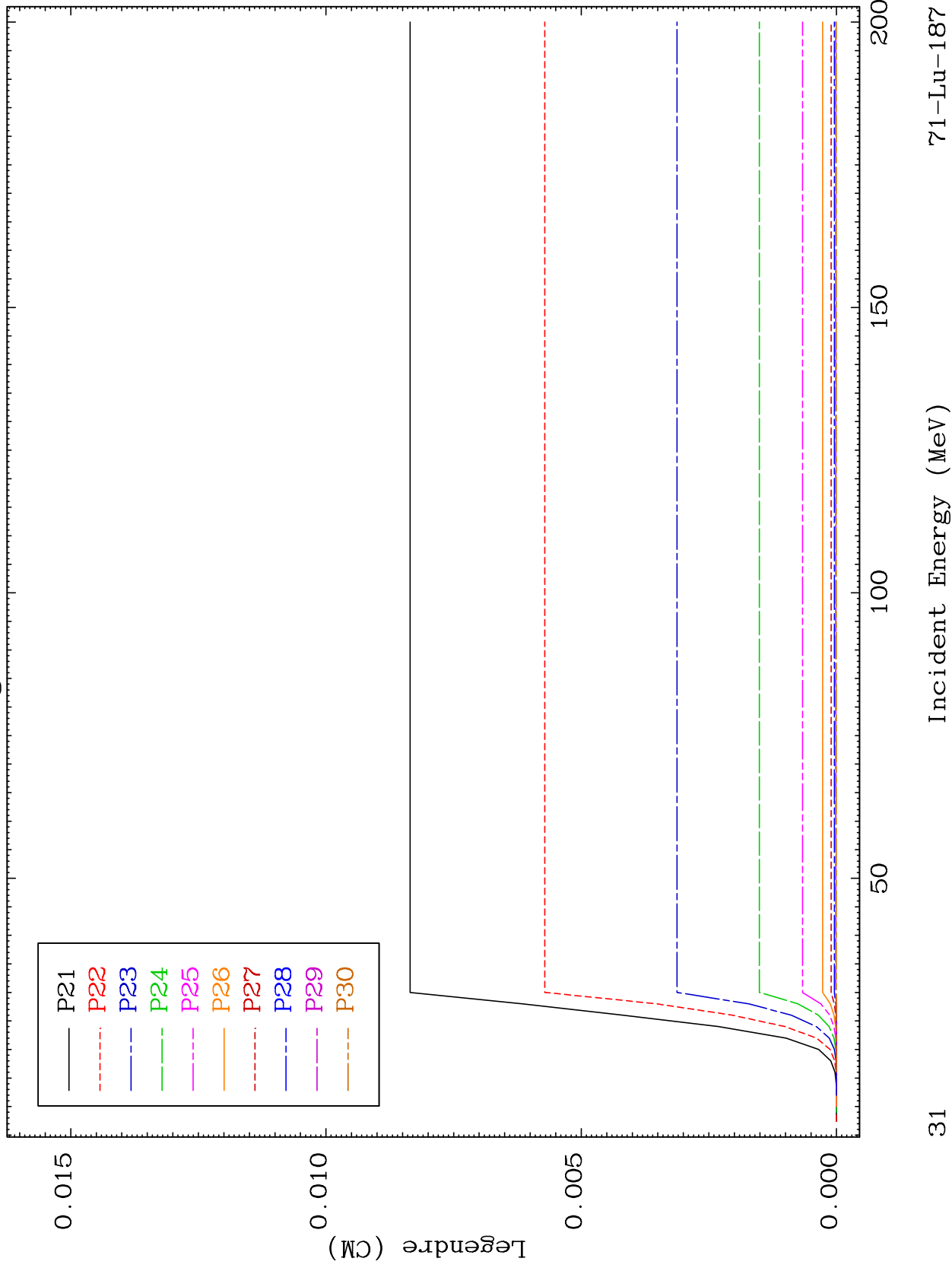
71-Lu-187



71-Lu-187

Incident Energy (MeV)

30

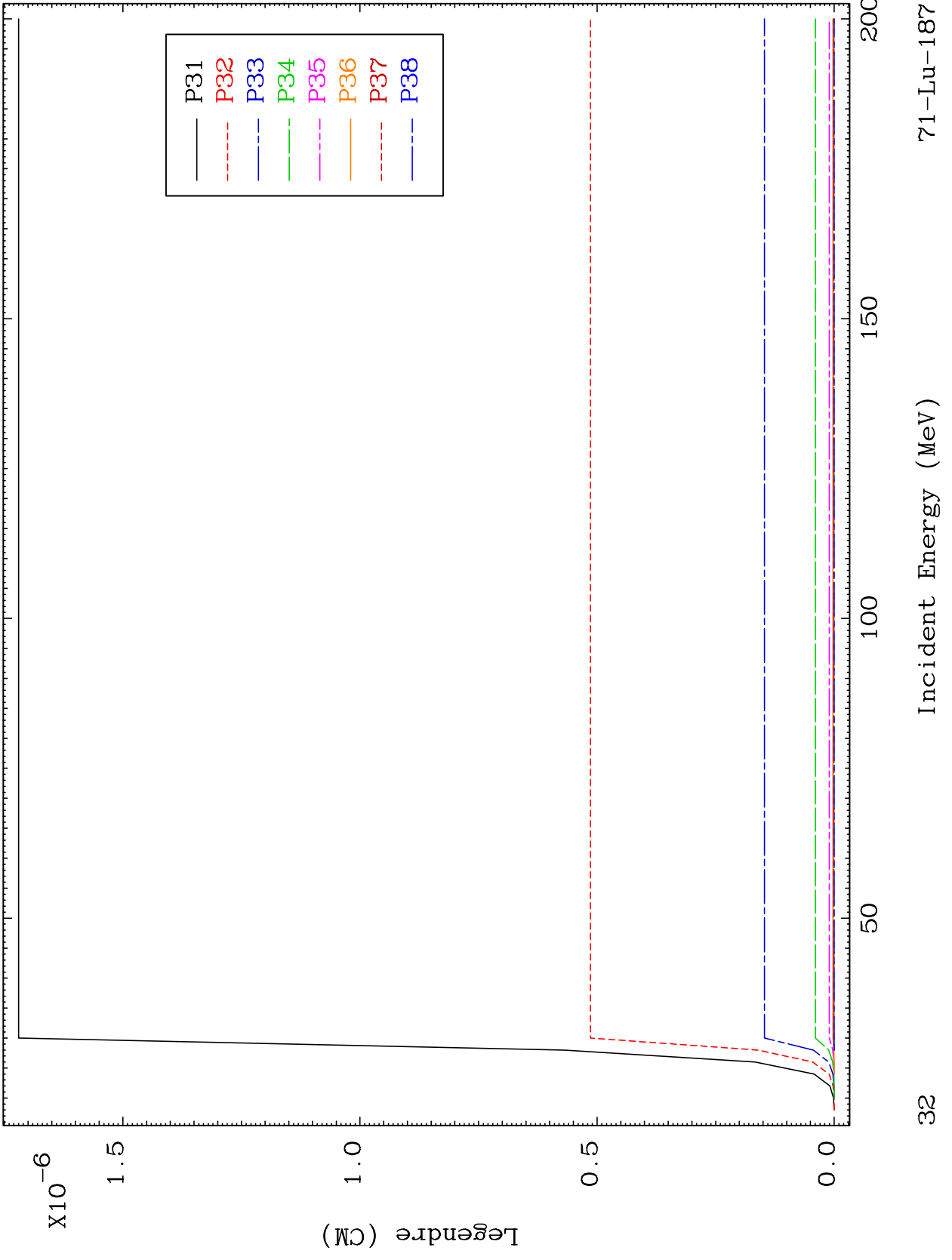




MAT 7161

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

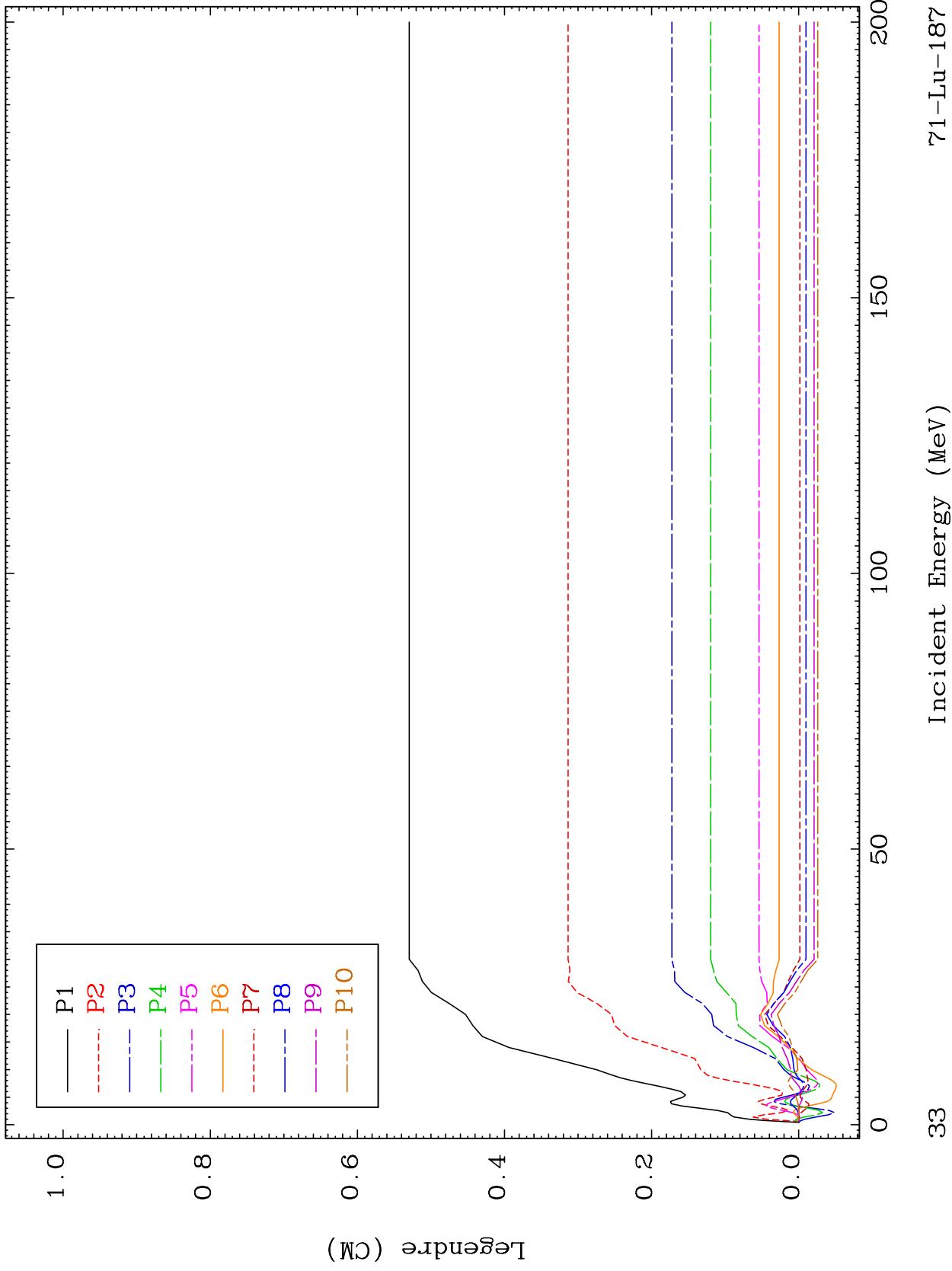
71-Lu-187



32

Incident Energy (MeV)

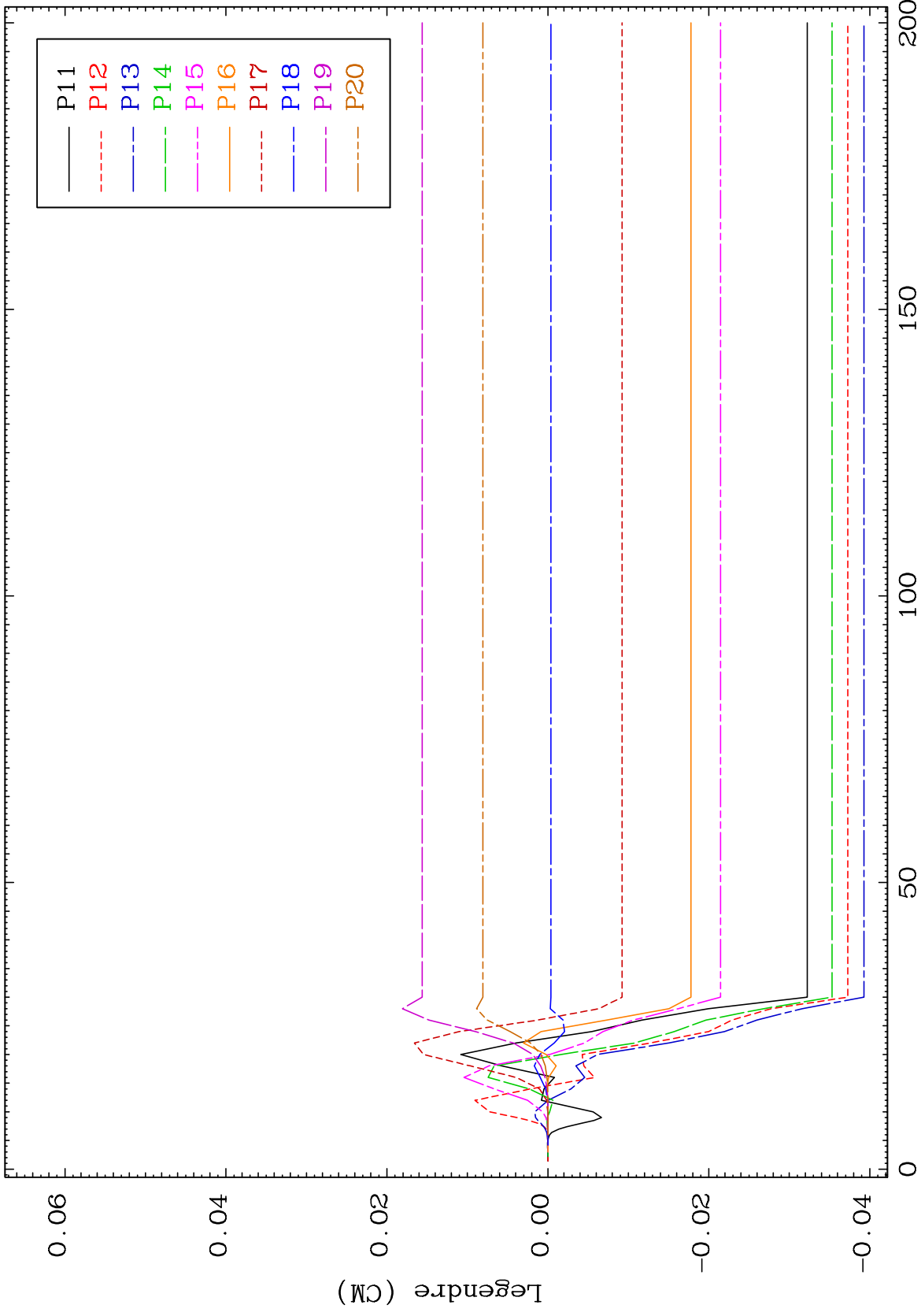
71-Lu-187



MAT 7161

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

71-Lu-187



34

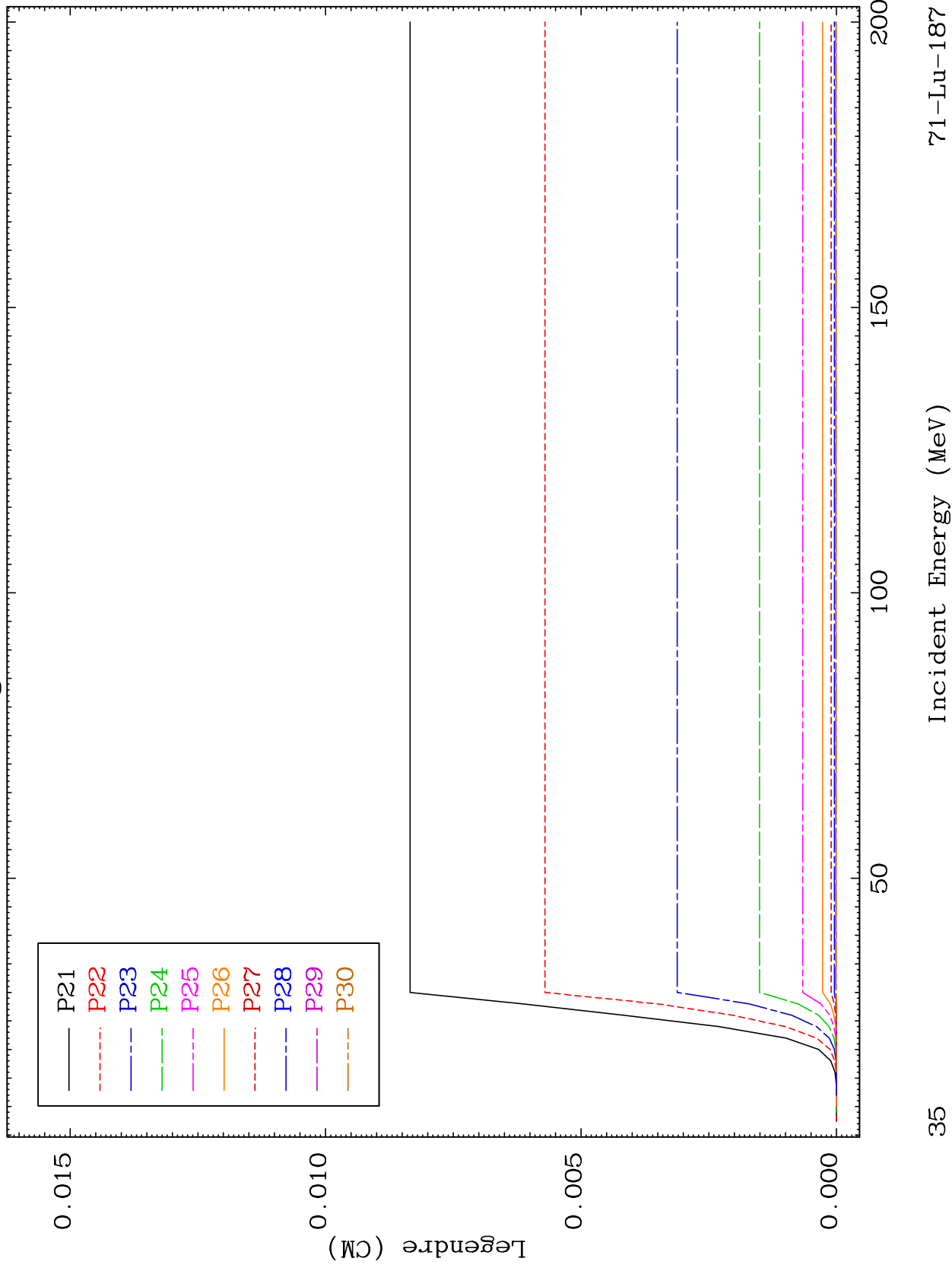
Incident Energy (MeV)

71-Lu-187

MAT 7161

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

71-Lu-187



35

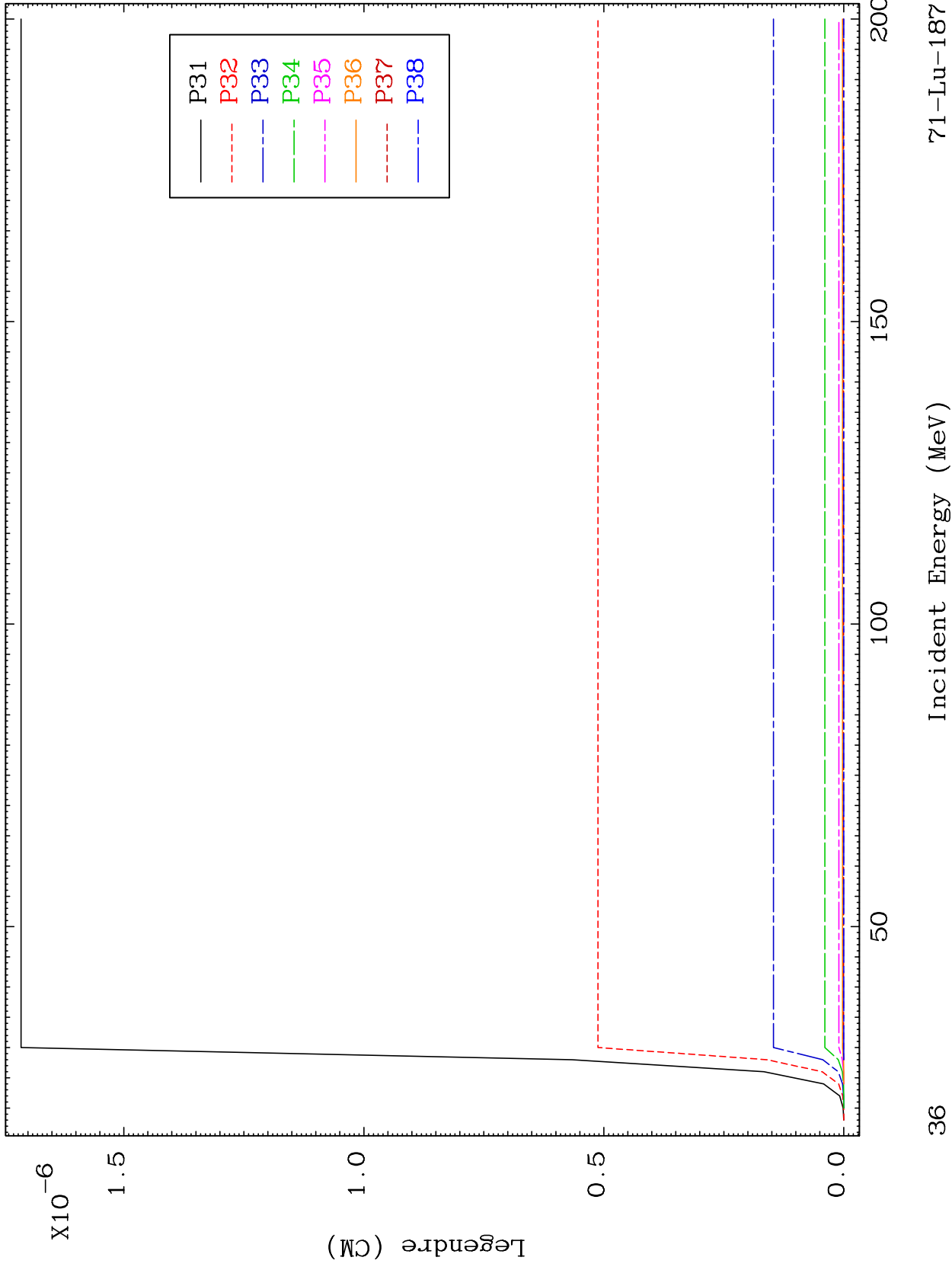
Incident Energy (MeV)

71-Lu-187

MAT 7161

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

71-Lu-187



36

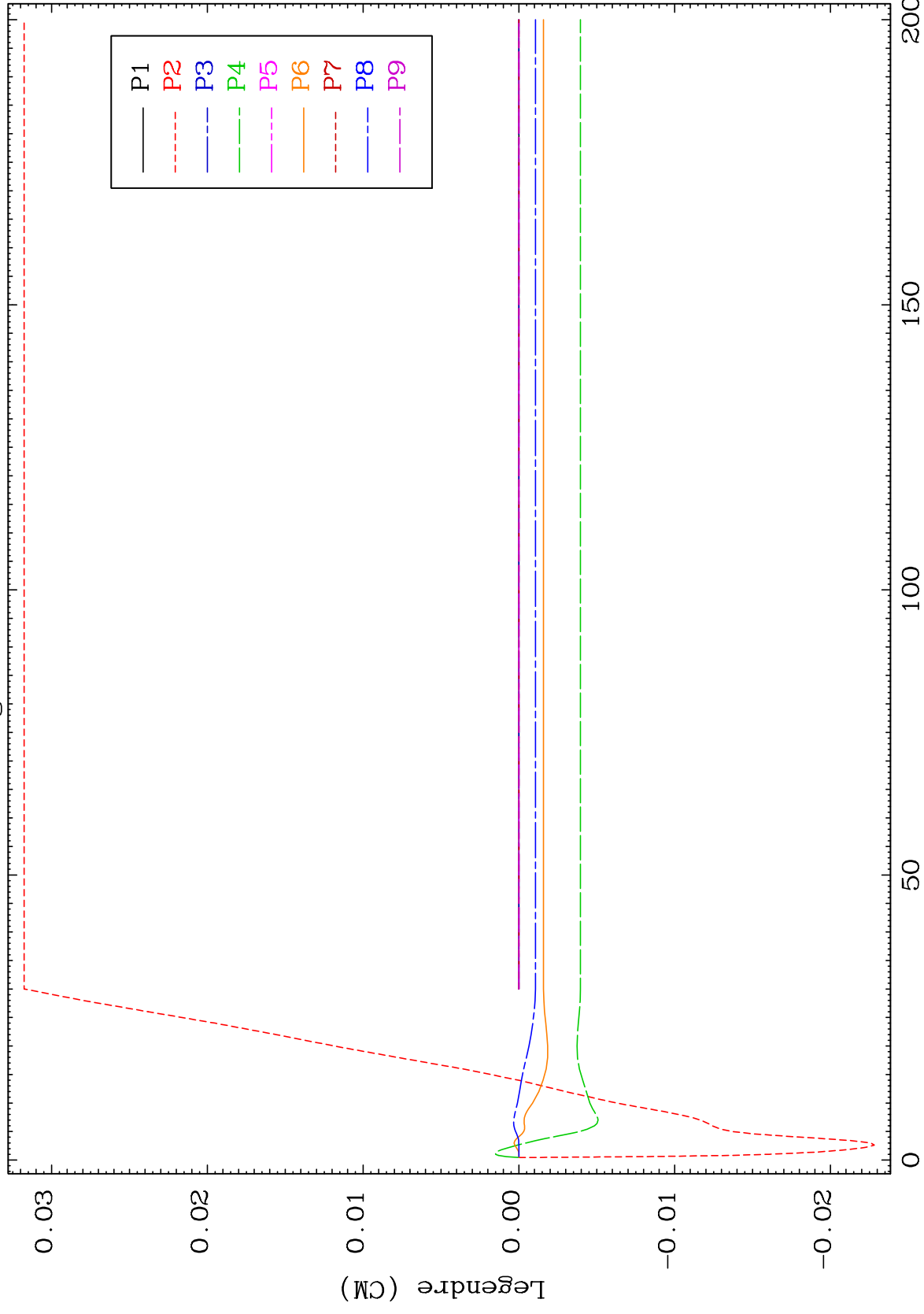
Incident Energy (MeV)

71-Lu-187

MAT 7161

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

71-Lu-187



37

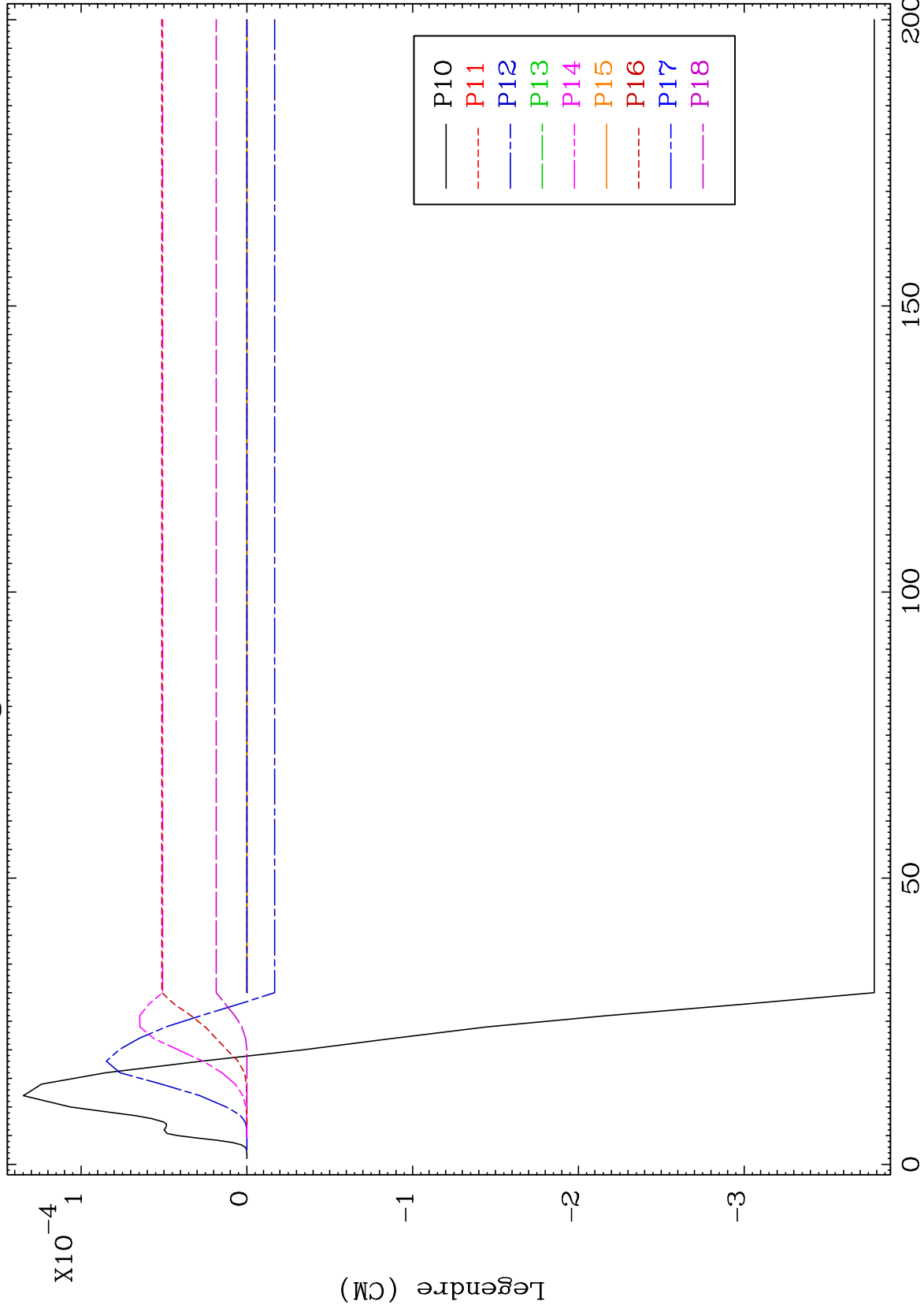
Incident Energy (MeV)

71-Lu-187

MAT 7161

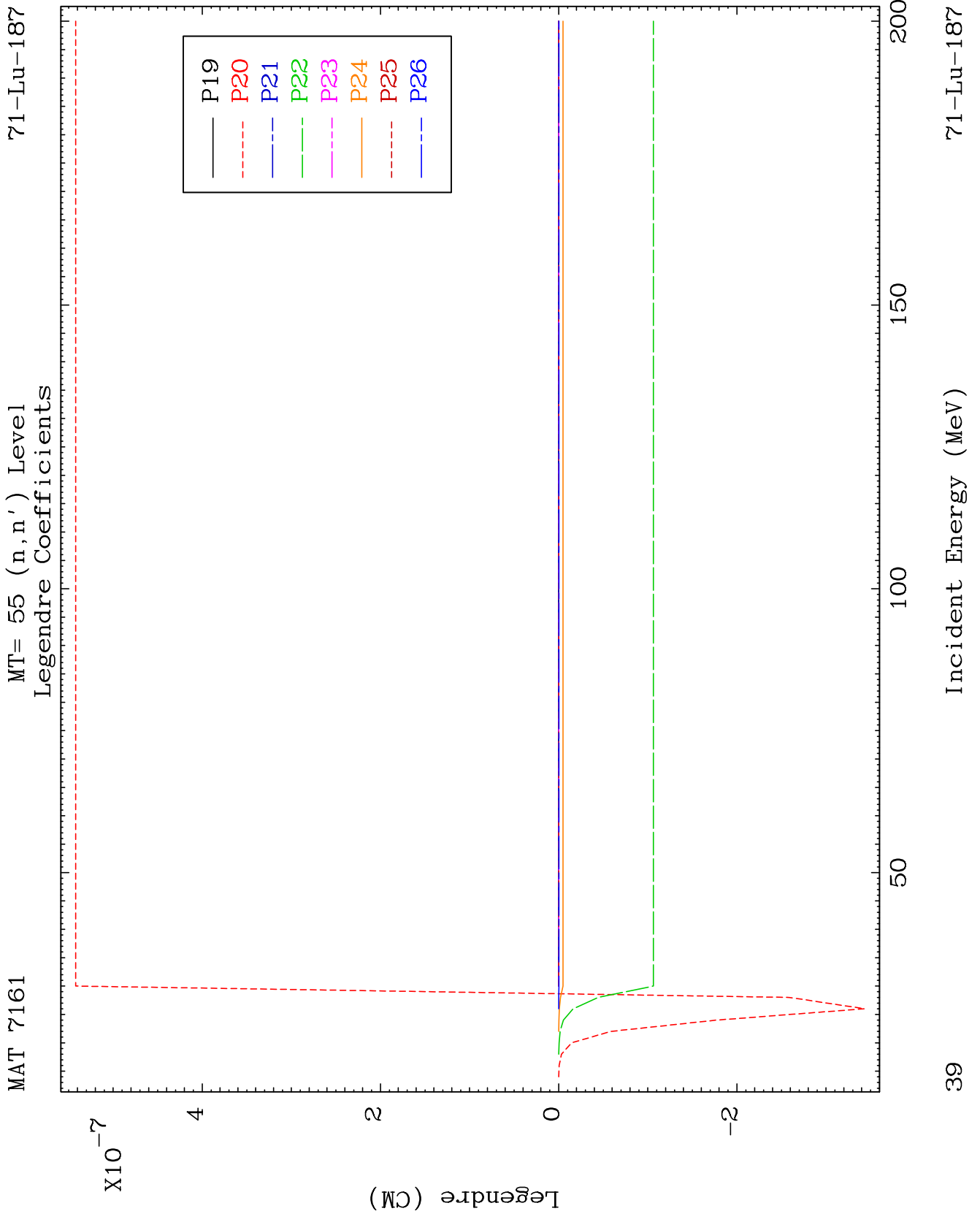
MT= 55 (n,n') Level  
Legendre Coefficients

71-Lu-187



38

71-Lu-187

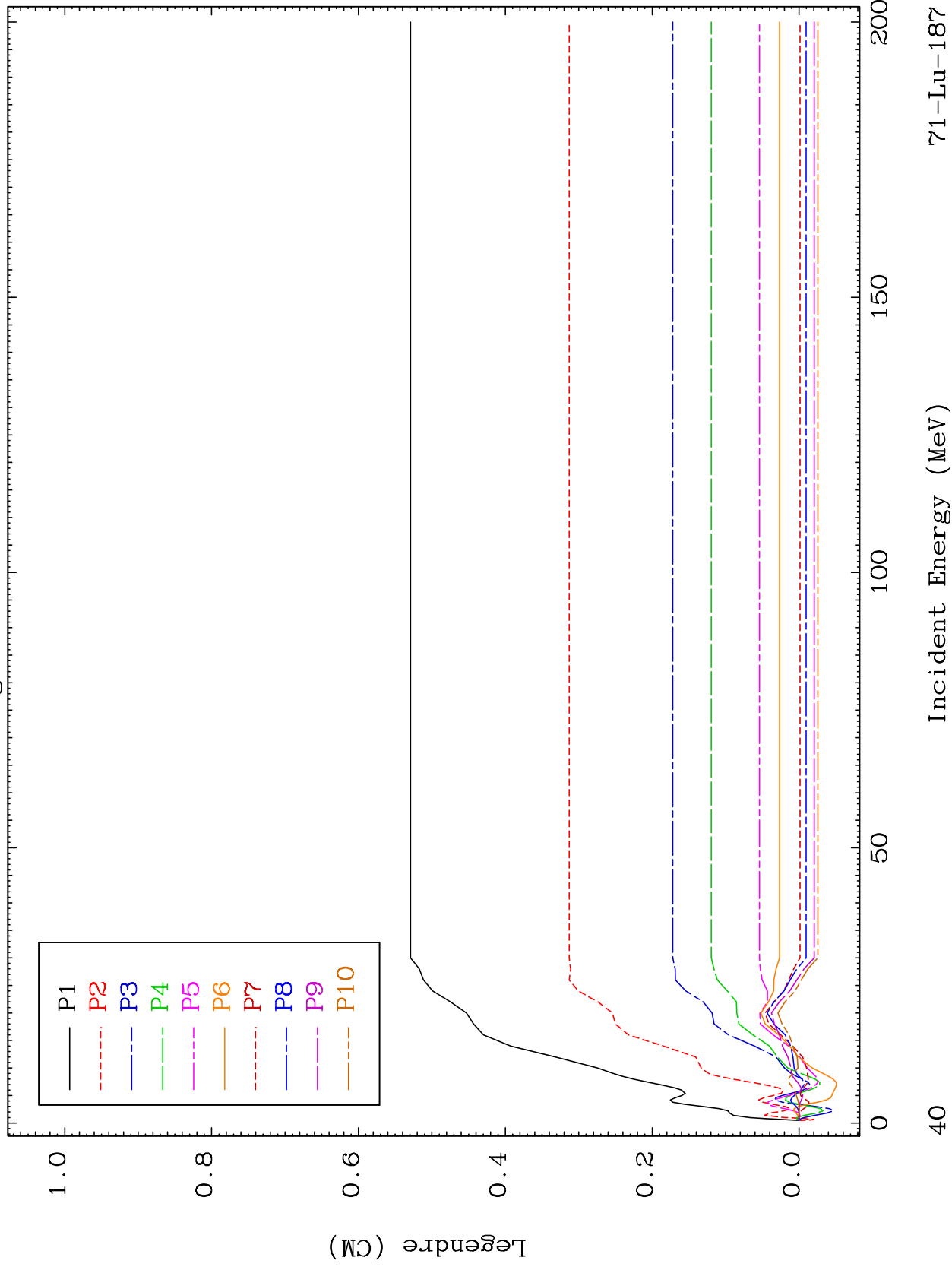




MAT 7161

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

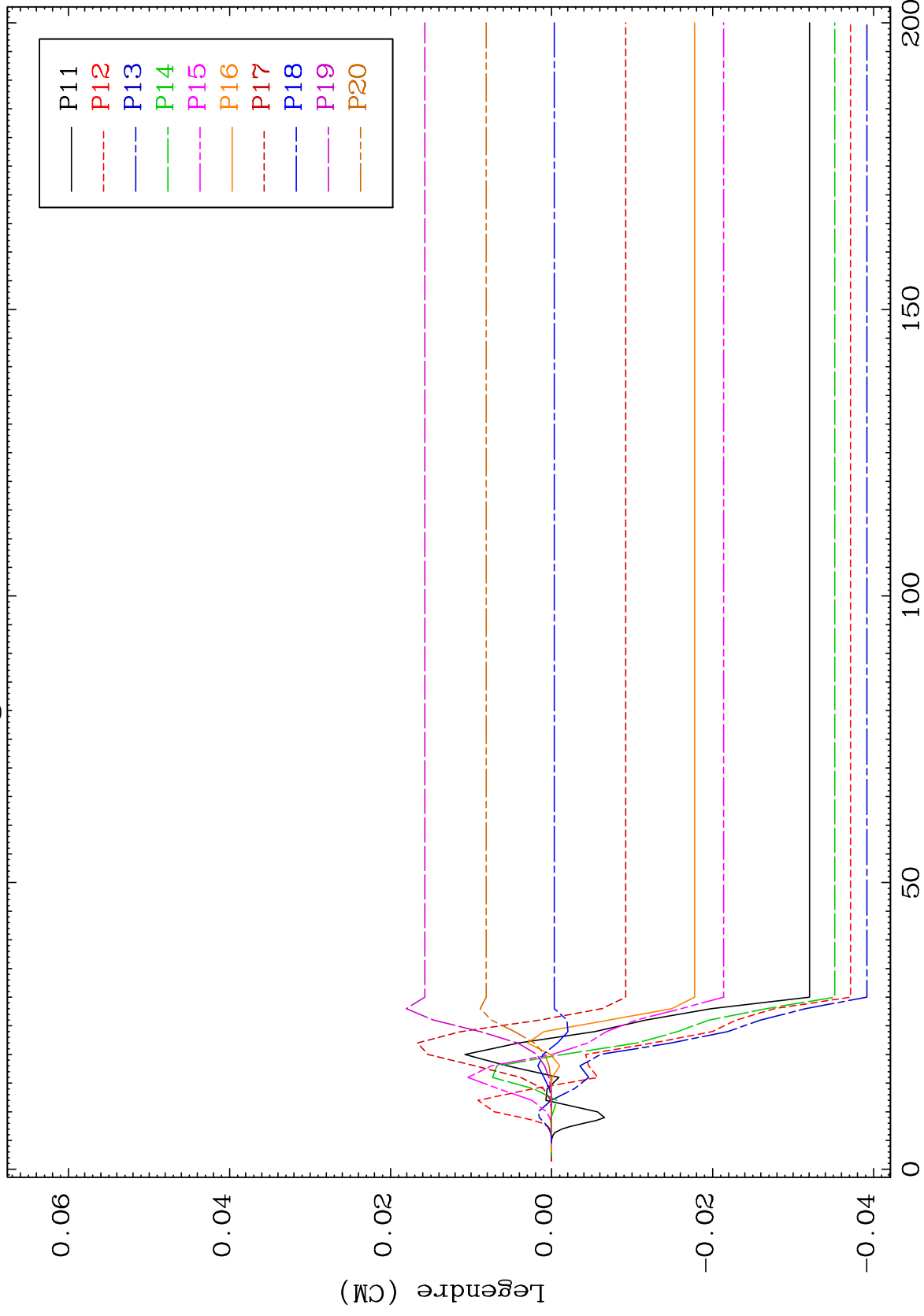
71-Lu-187



MAT 7161

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

71-Lu-187



41

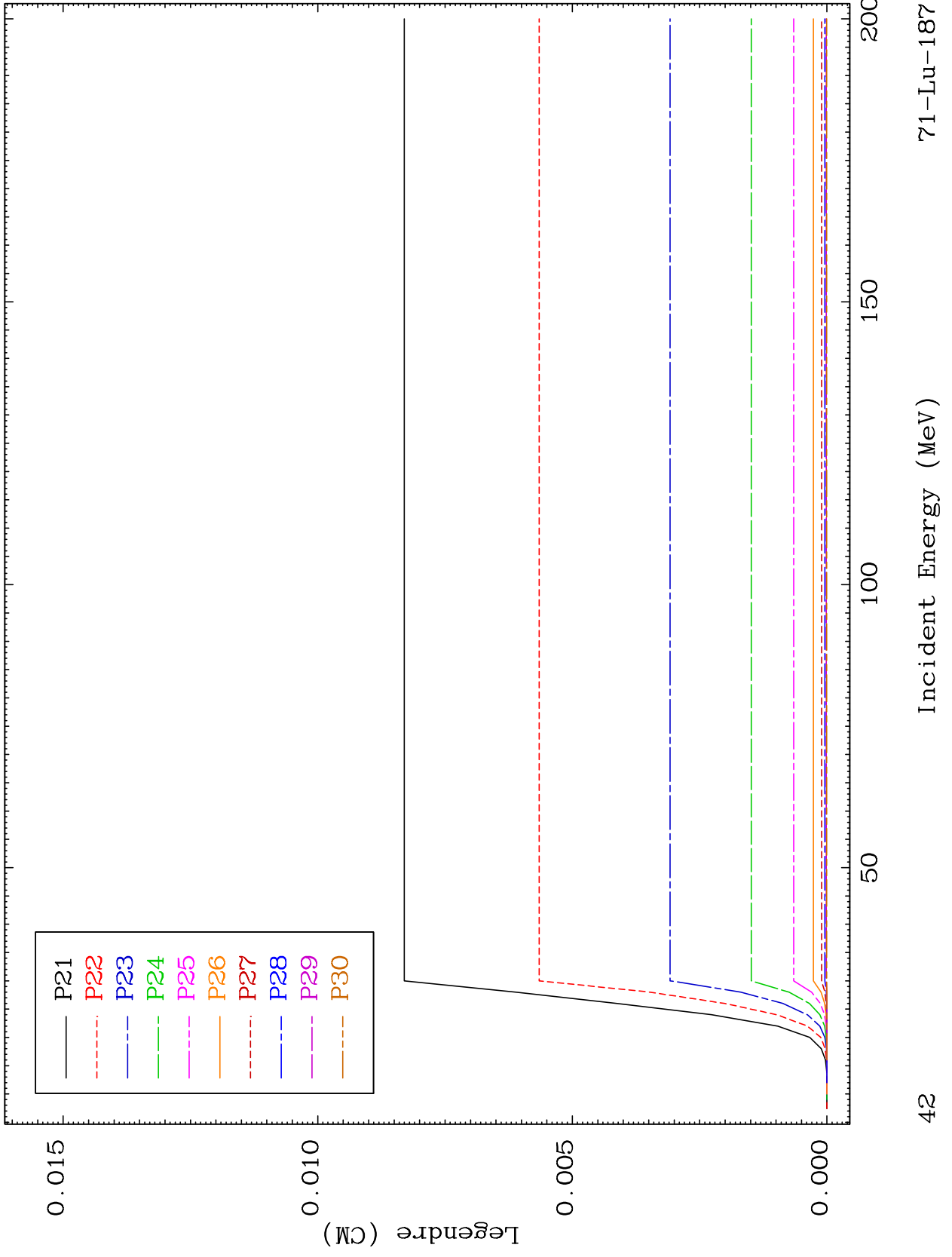
Incident Energy (MeV)

71-Lu-187

MAT 7161

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

71-Lu-187



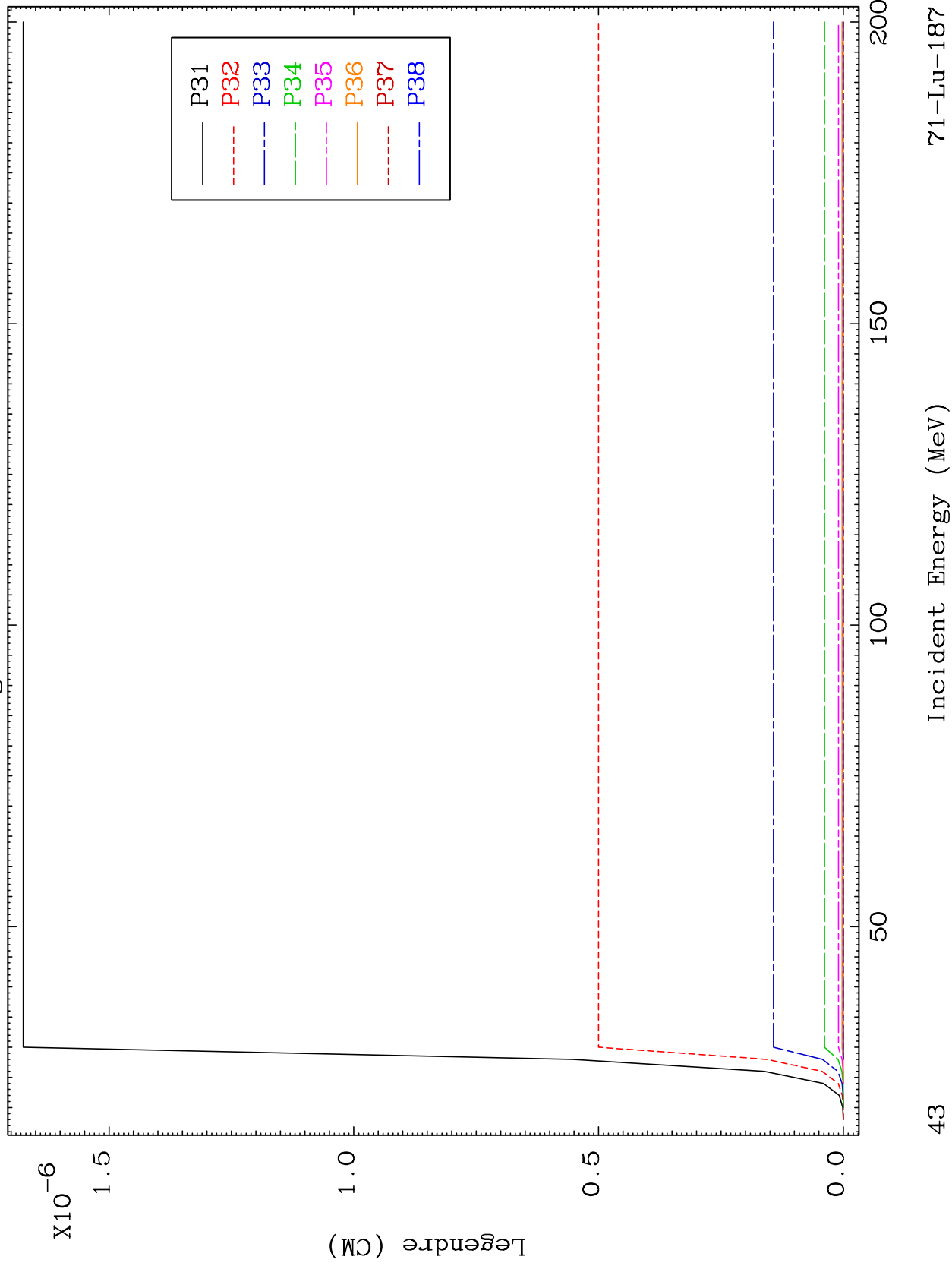
42

71-Lu-187

MAT 7161

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

71-Lu-187



43

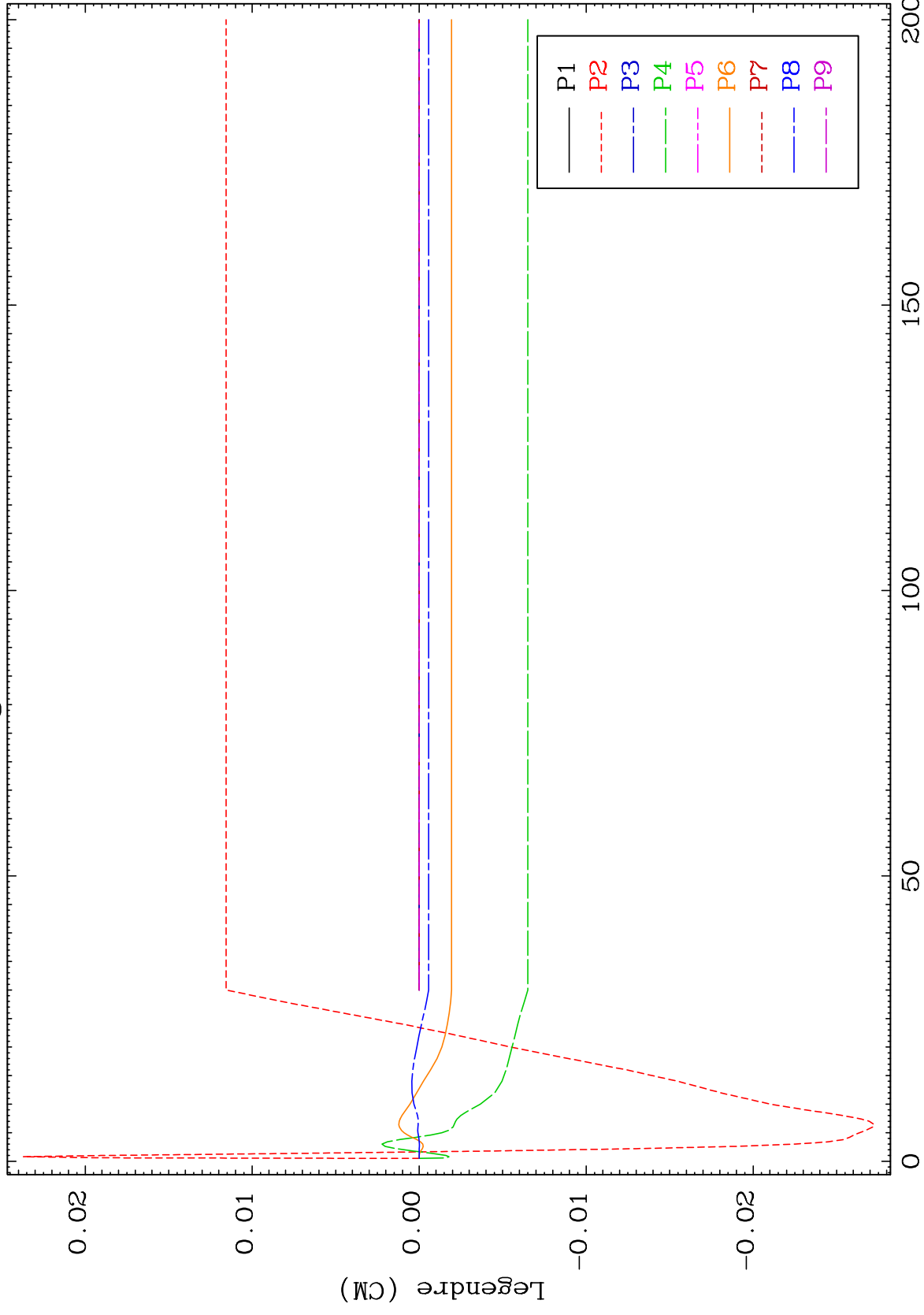
Incident Energy (MeV)

71-Lu-187

MAT 7161

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

71-Lu-187



44

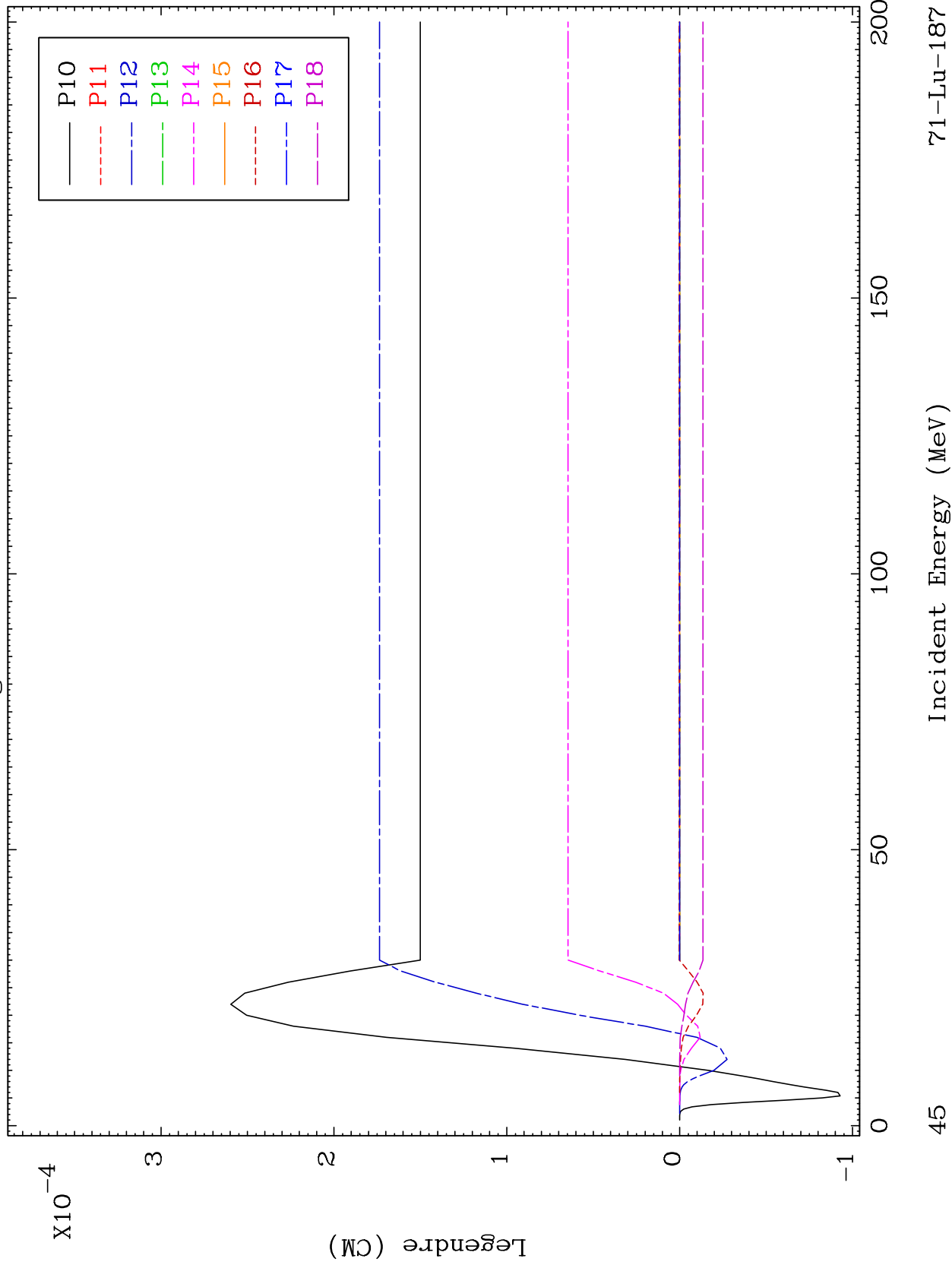
Incident Energy (MeV)

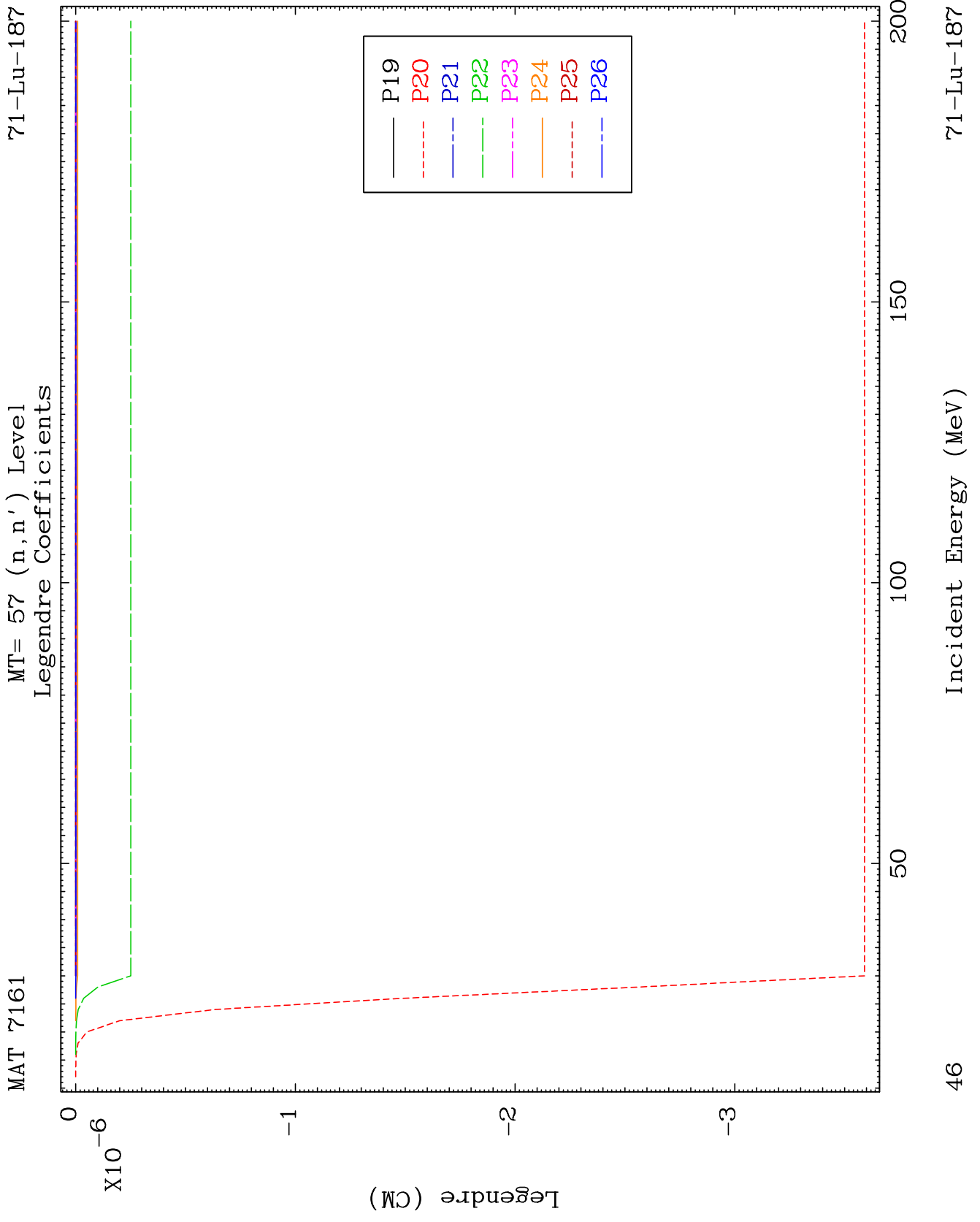
71-Lu-187

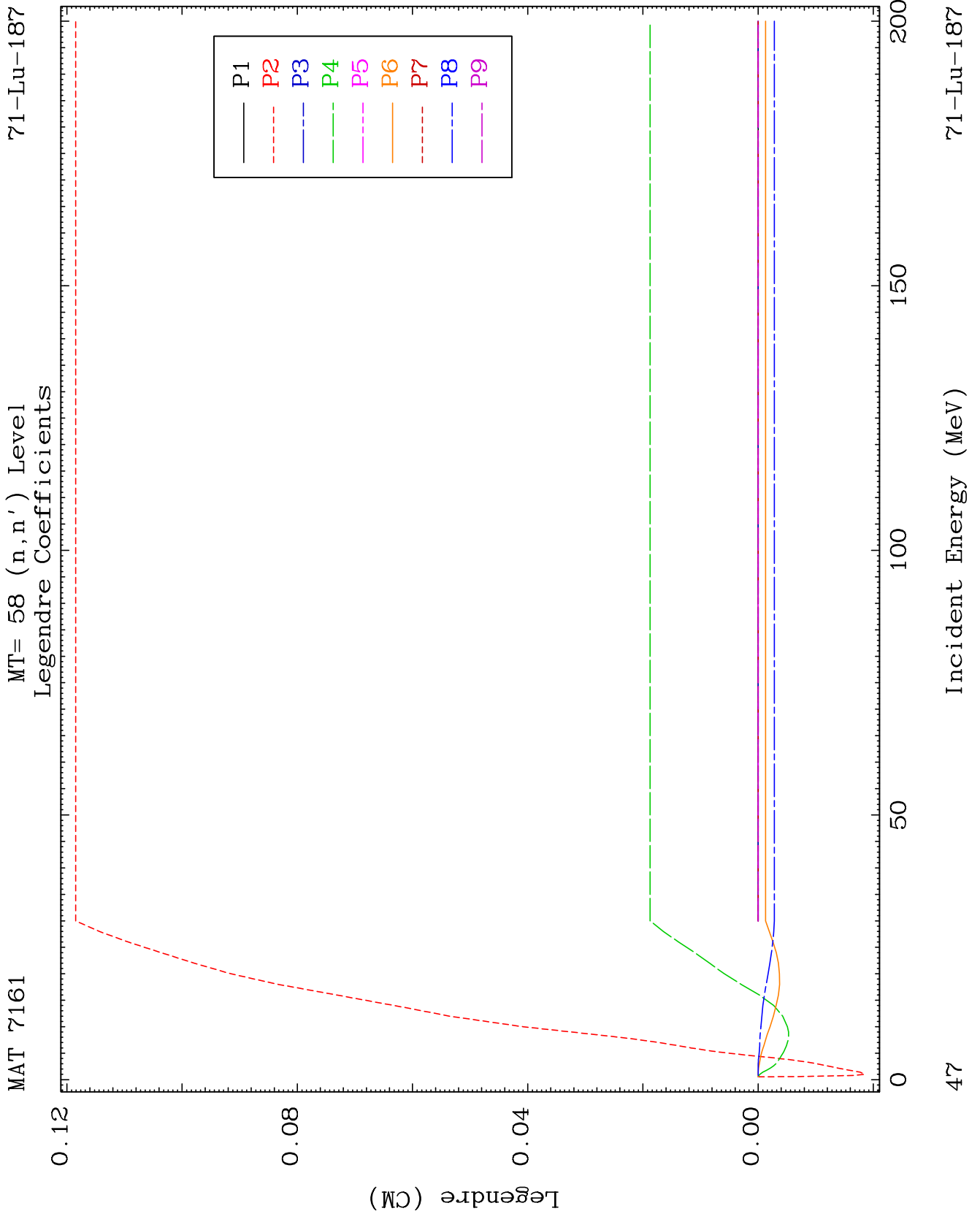
MAT 7161

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

71-Lu-187







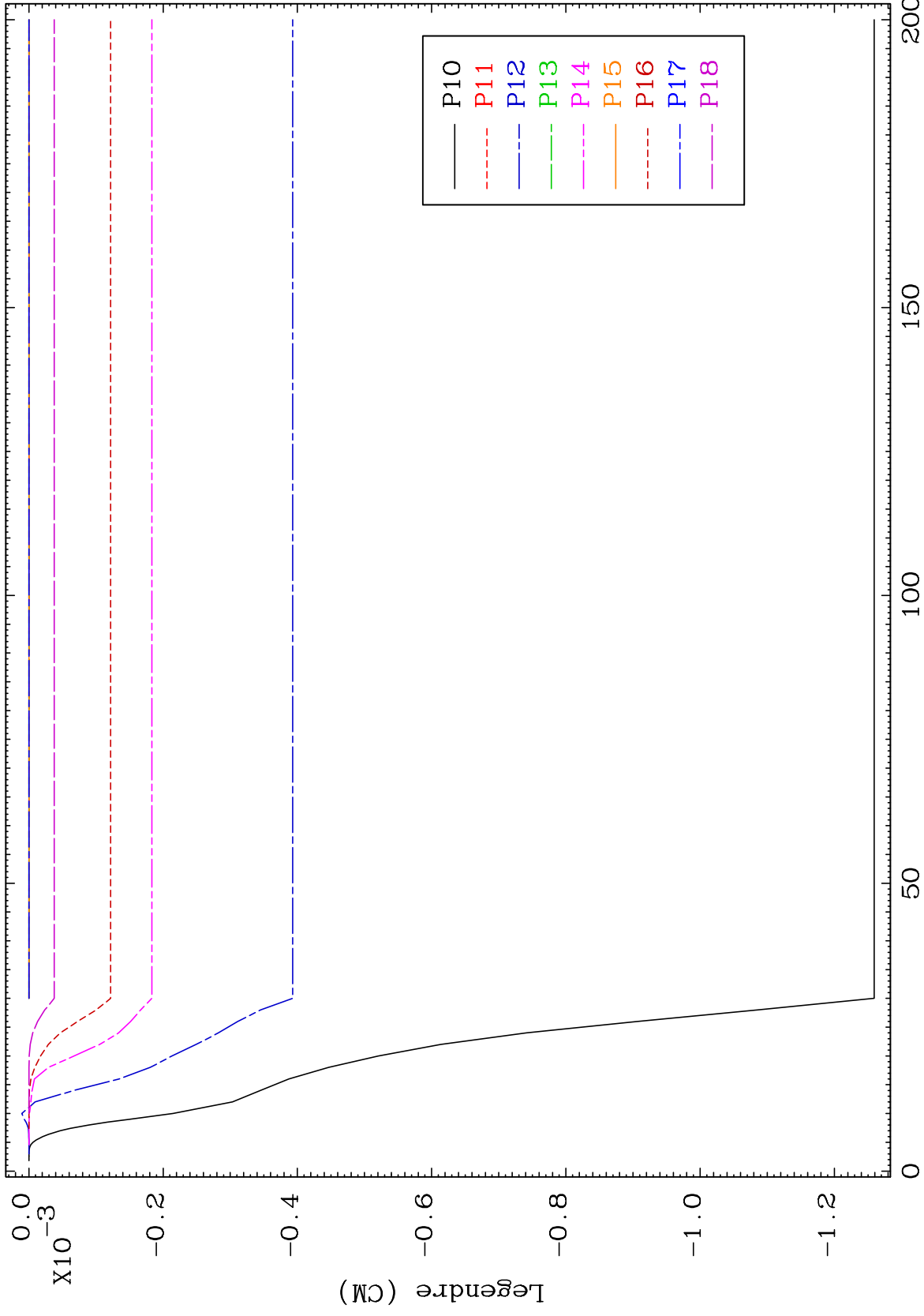


MAT 7161

MT= 58 (n,n') Level

71-Lu-187

Legendre Coefficients



48

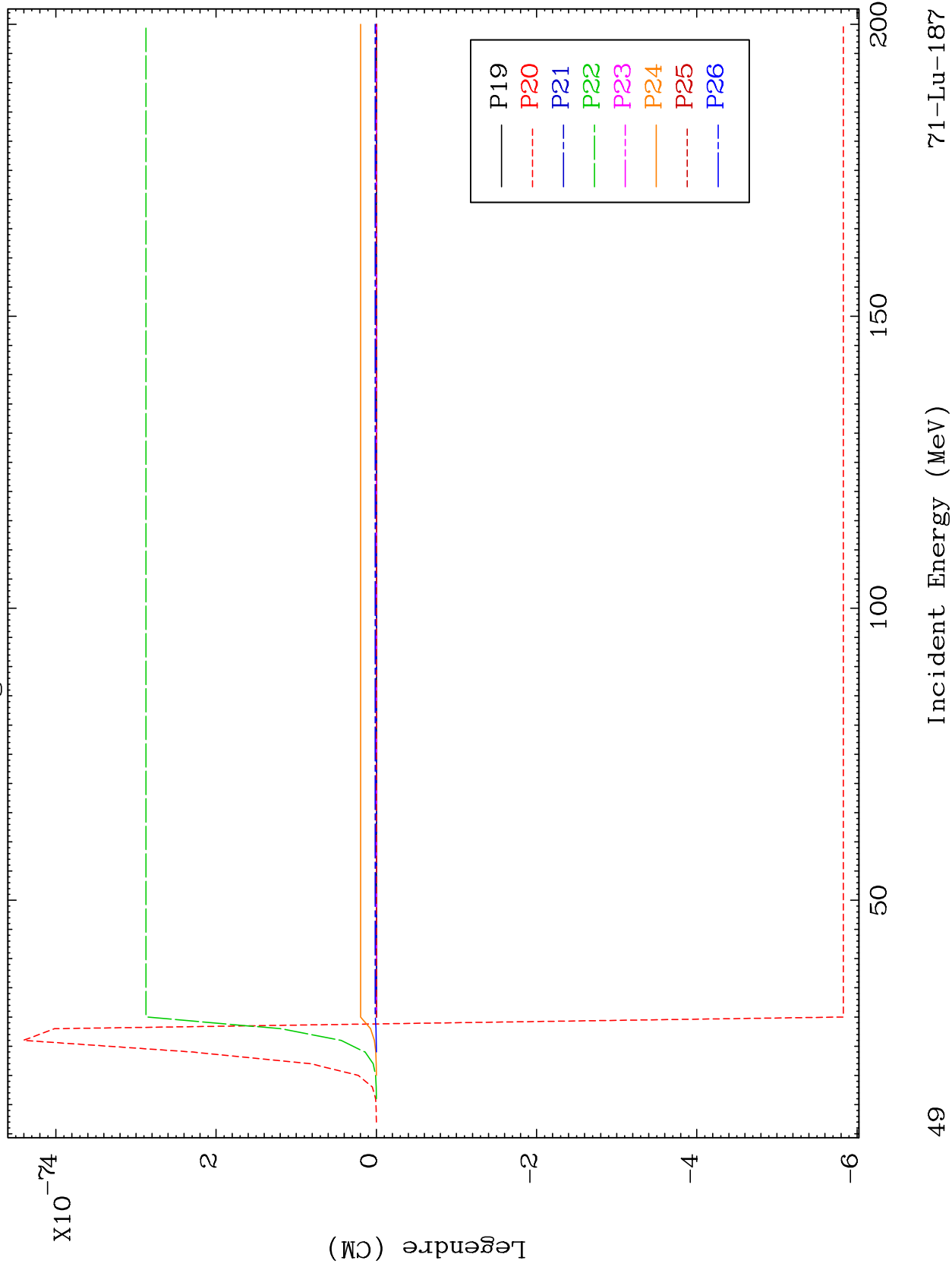
Incident Energy (MeV)

71-Lu-187

MAT 7161

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

71-Lu-187

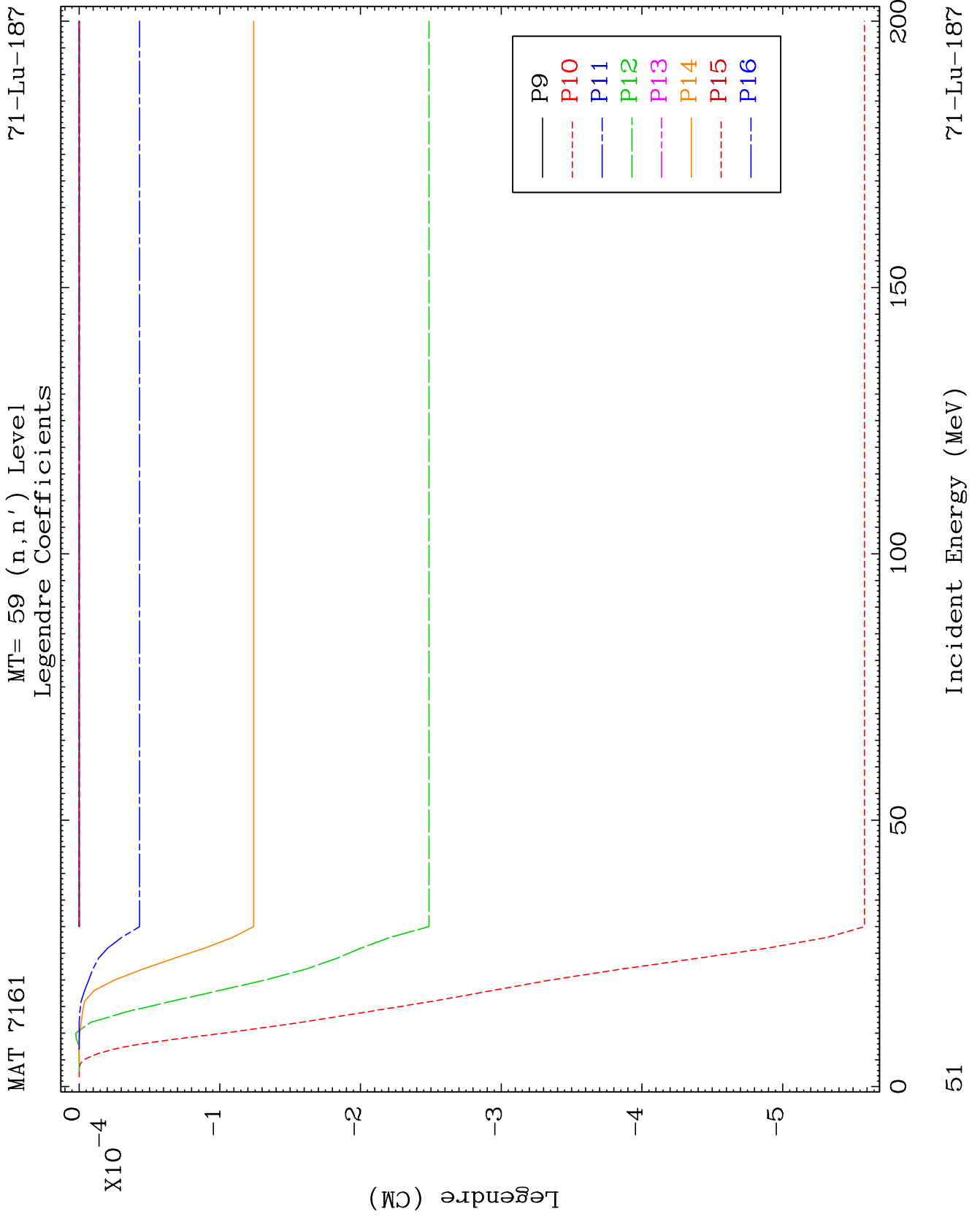


49

Incident Energy (MeV)

71-Lu-187





71-Lu-187

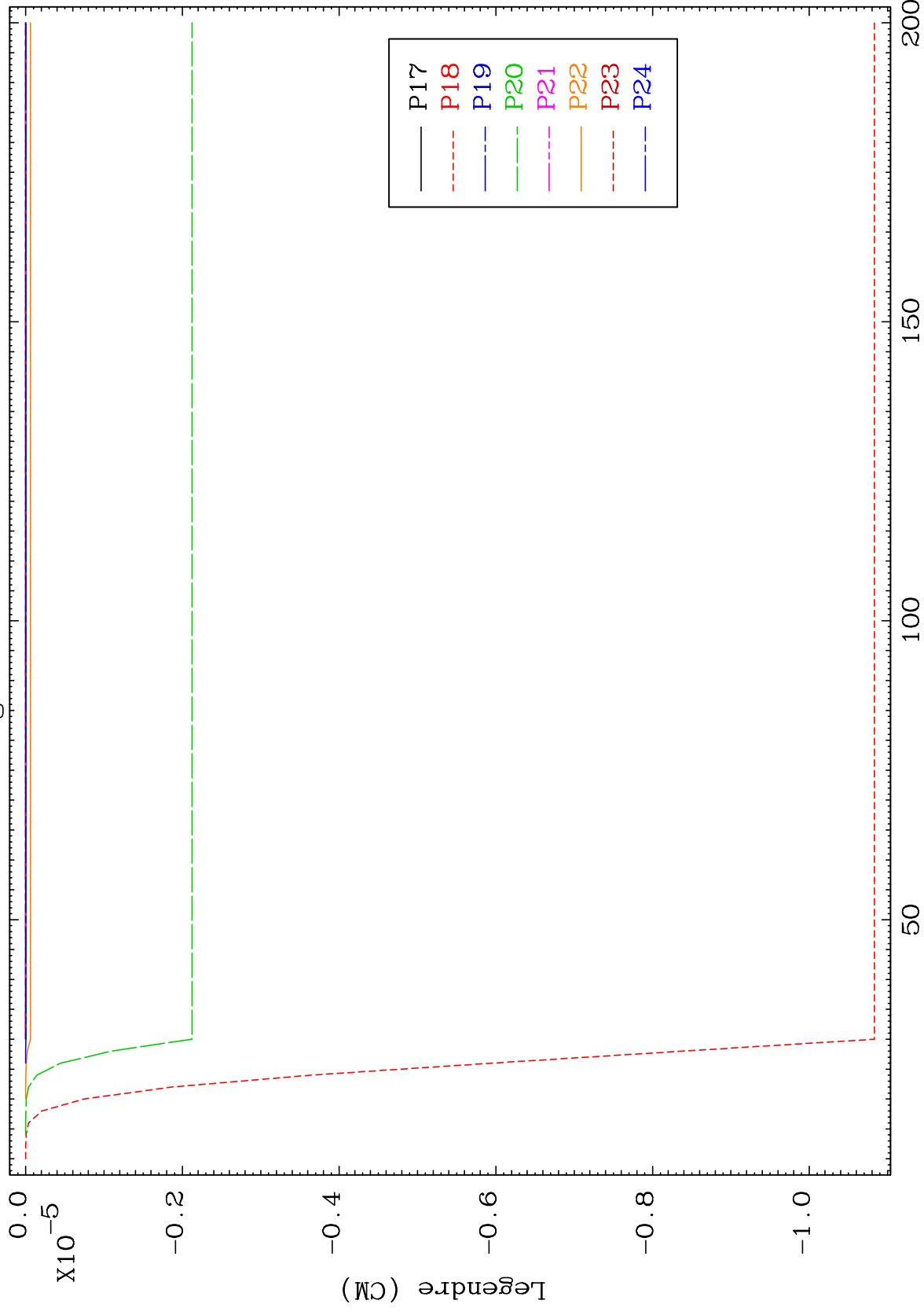
Incident Energy (MeV)

51

MAT 7161

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

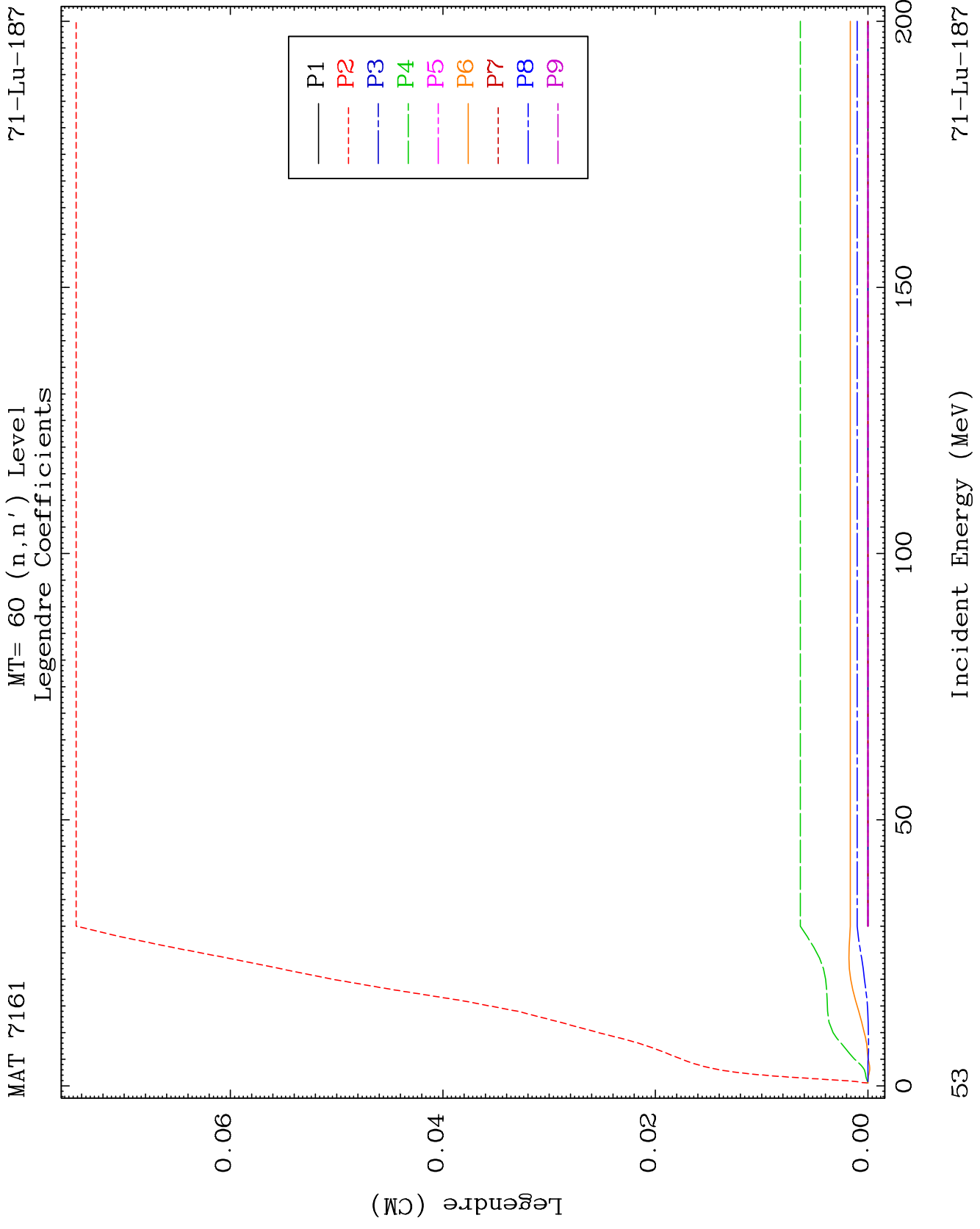
71-Lu-187



52

Incident Energy (MeV)

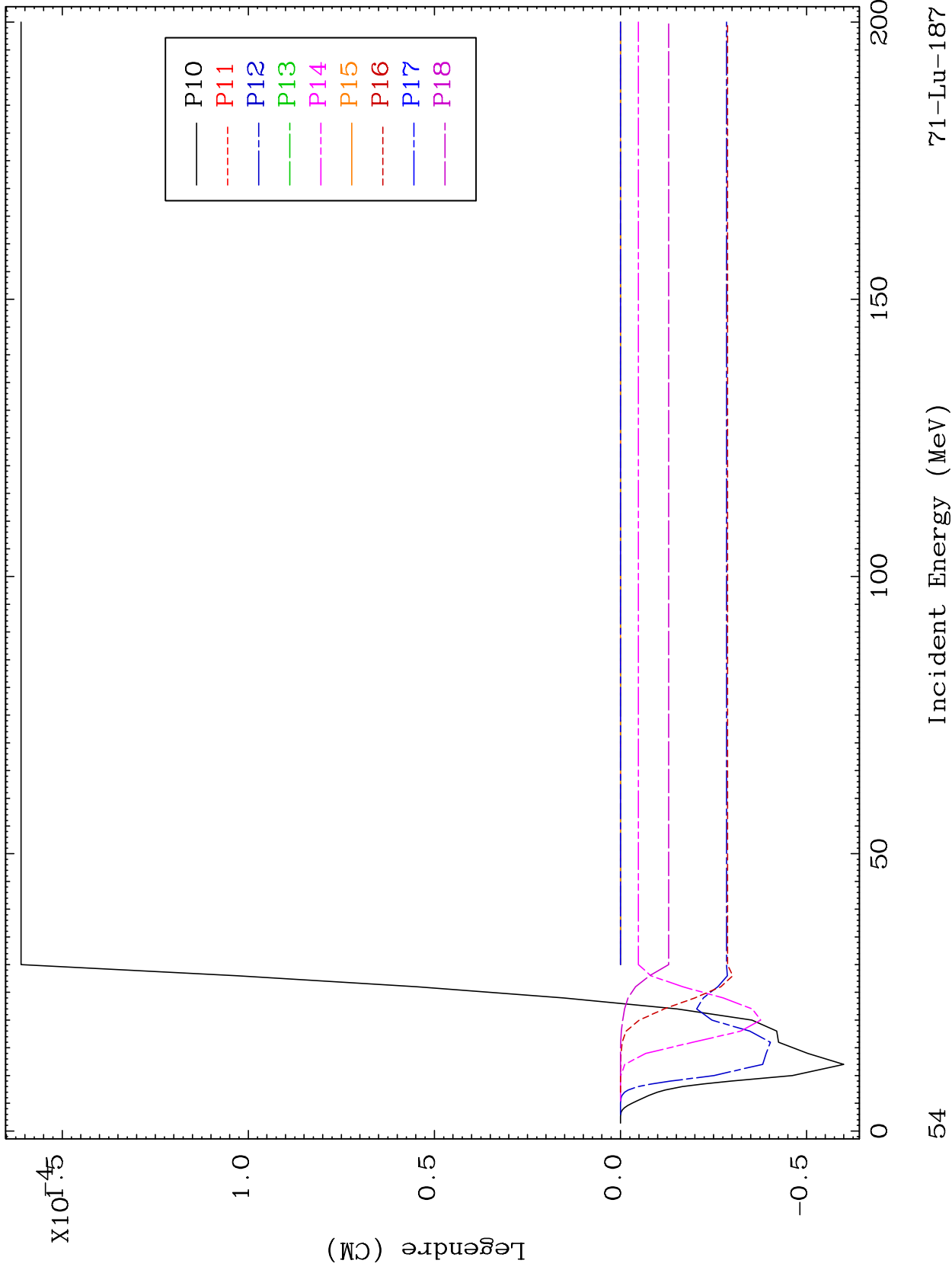
71-Lu-187



MAT 7161

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

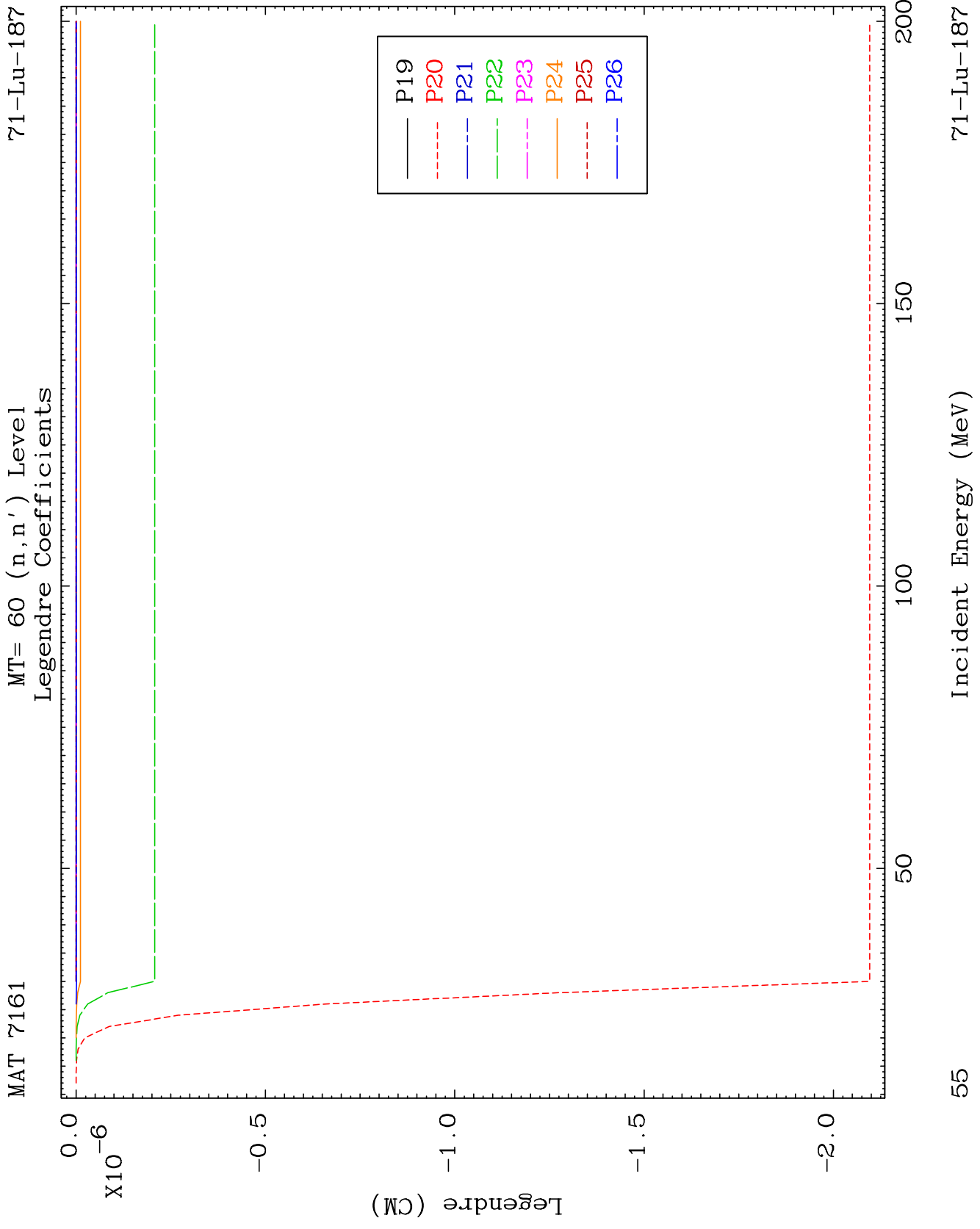
71-Lu-187



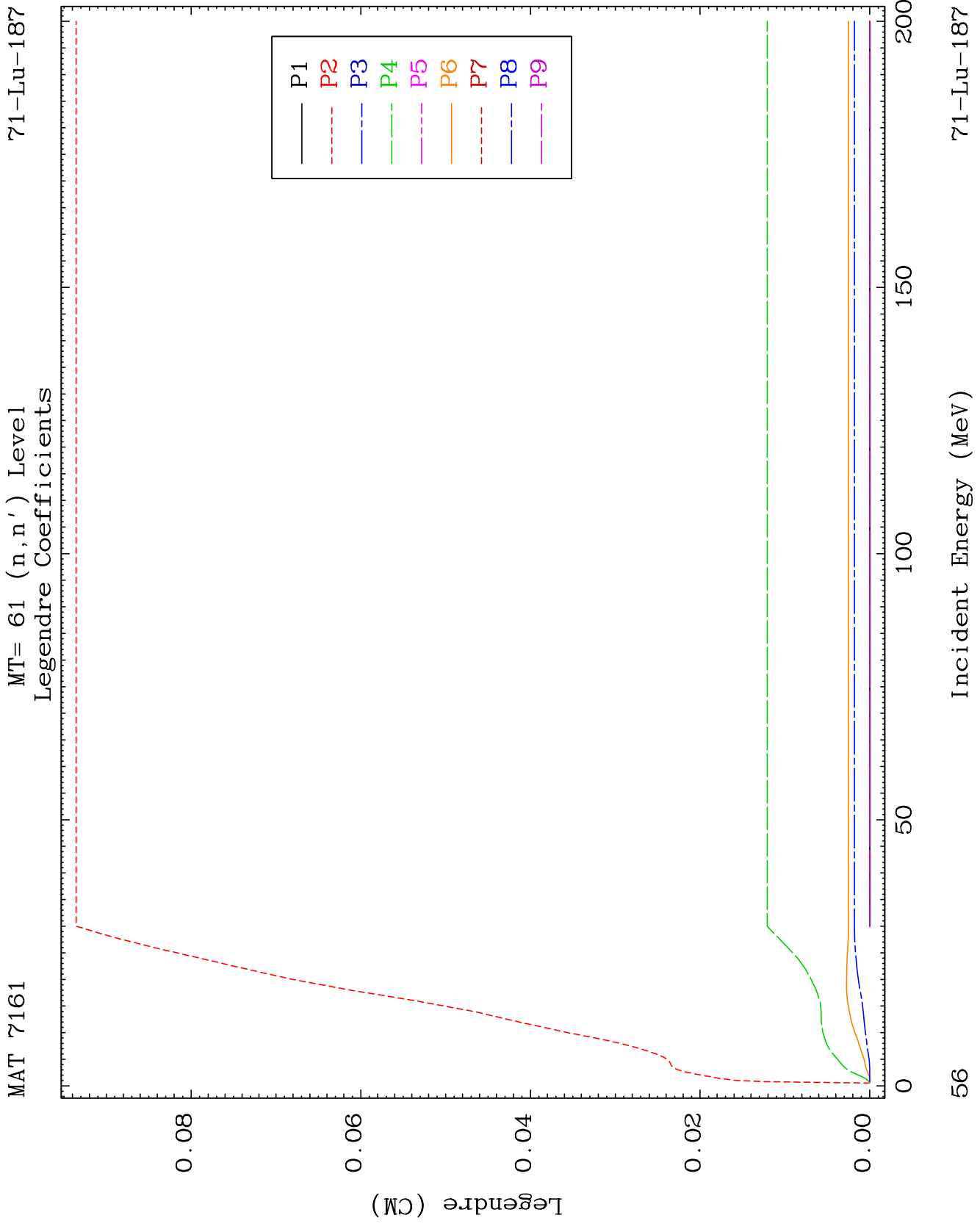
54

Incident Energy (MeV)

71-Lu-187



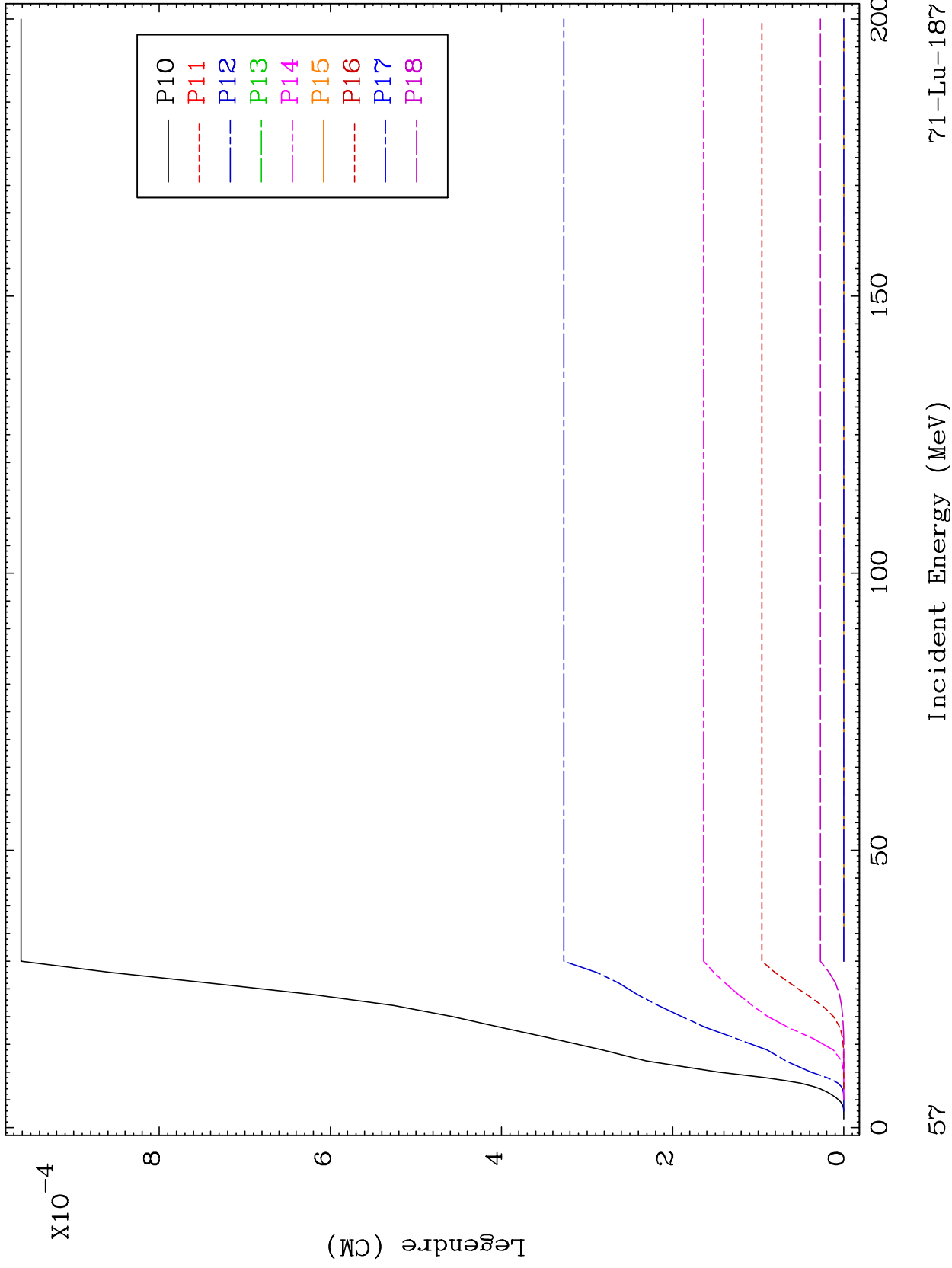




MAT 7161

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

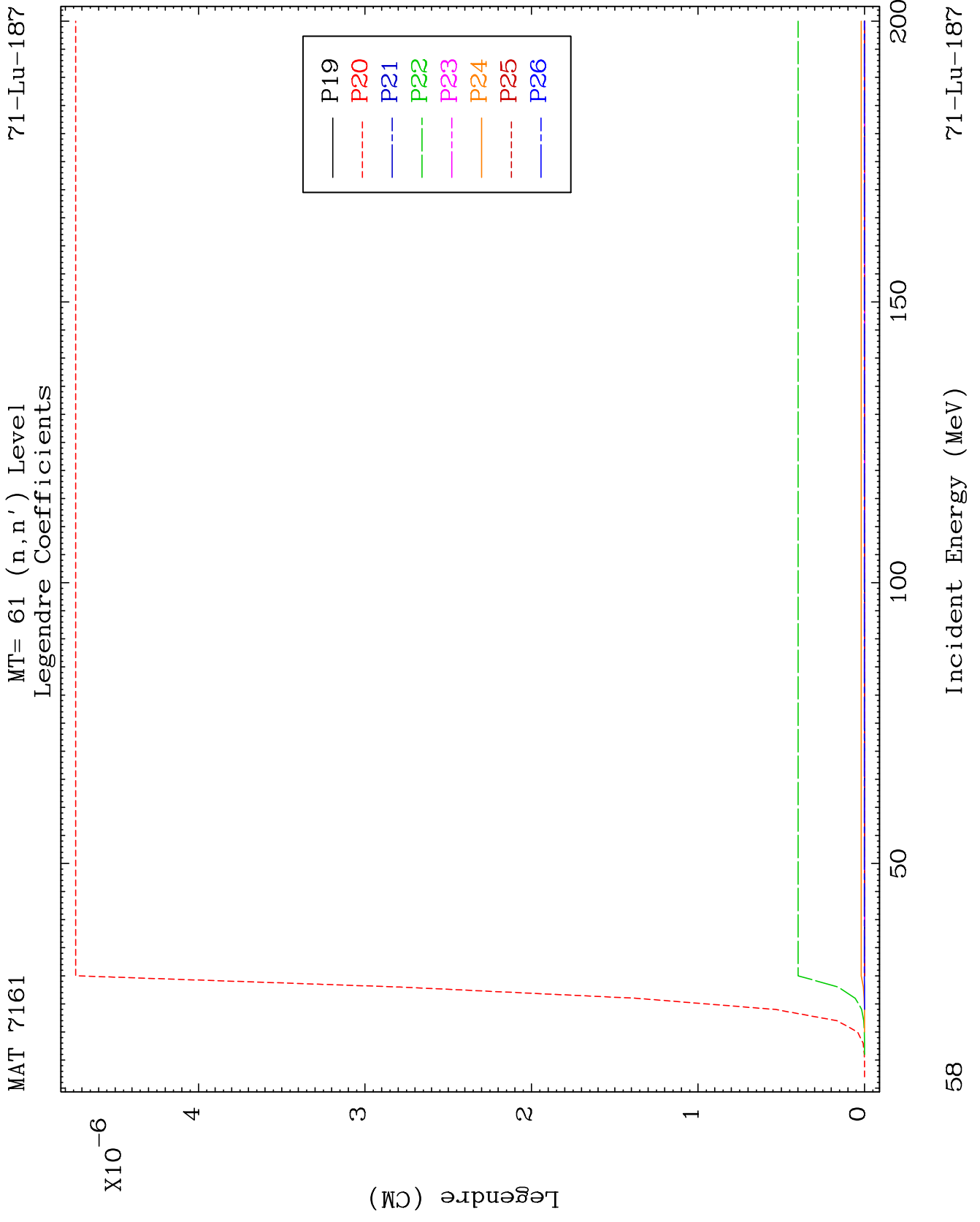
71-Lu-187

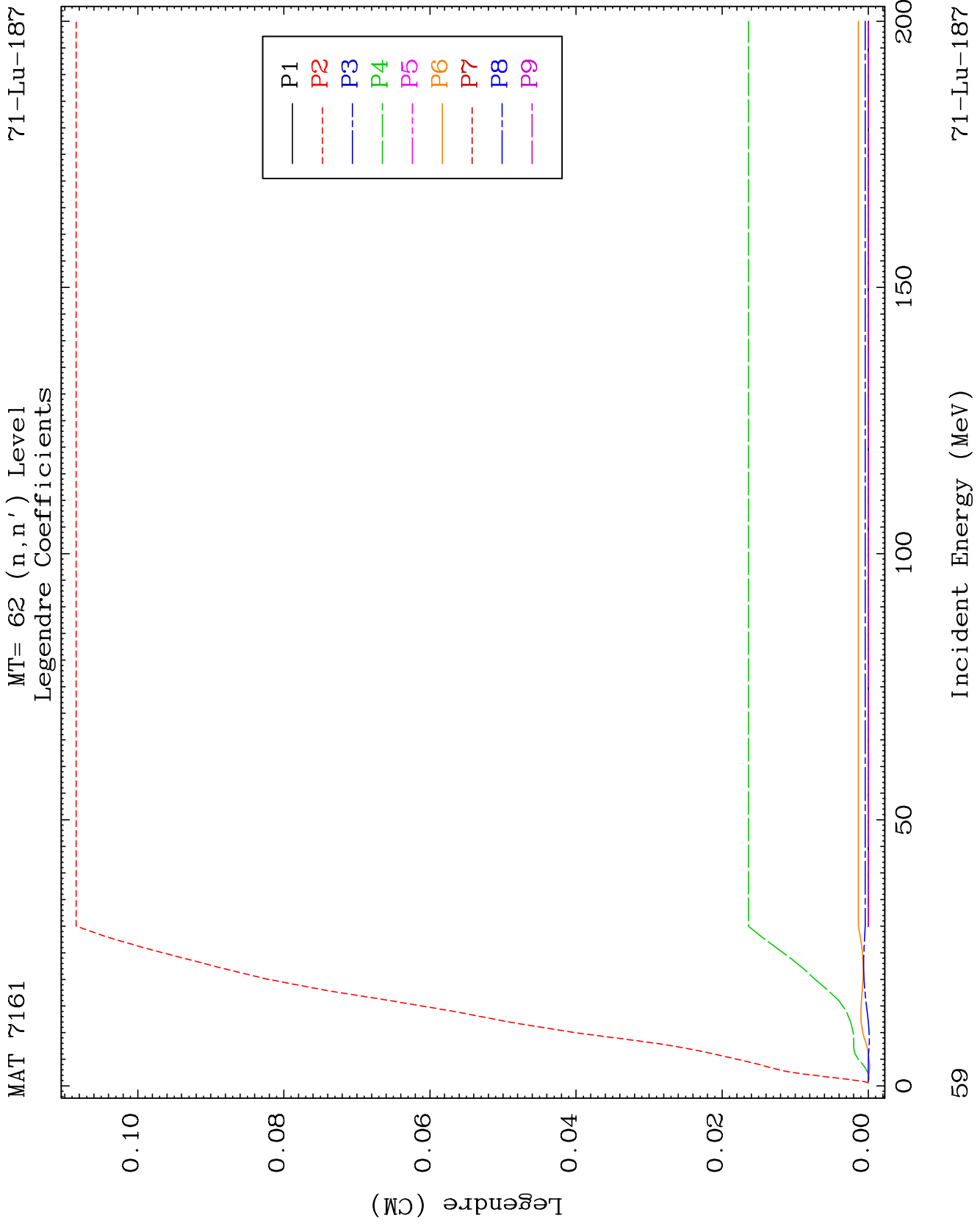


71-Lu-187

Incident Energy (MeV)

57

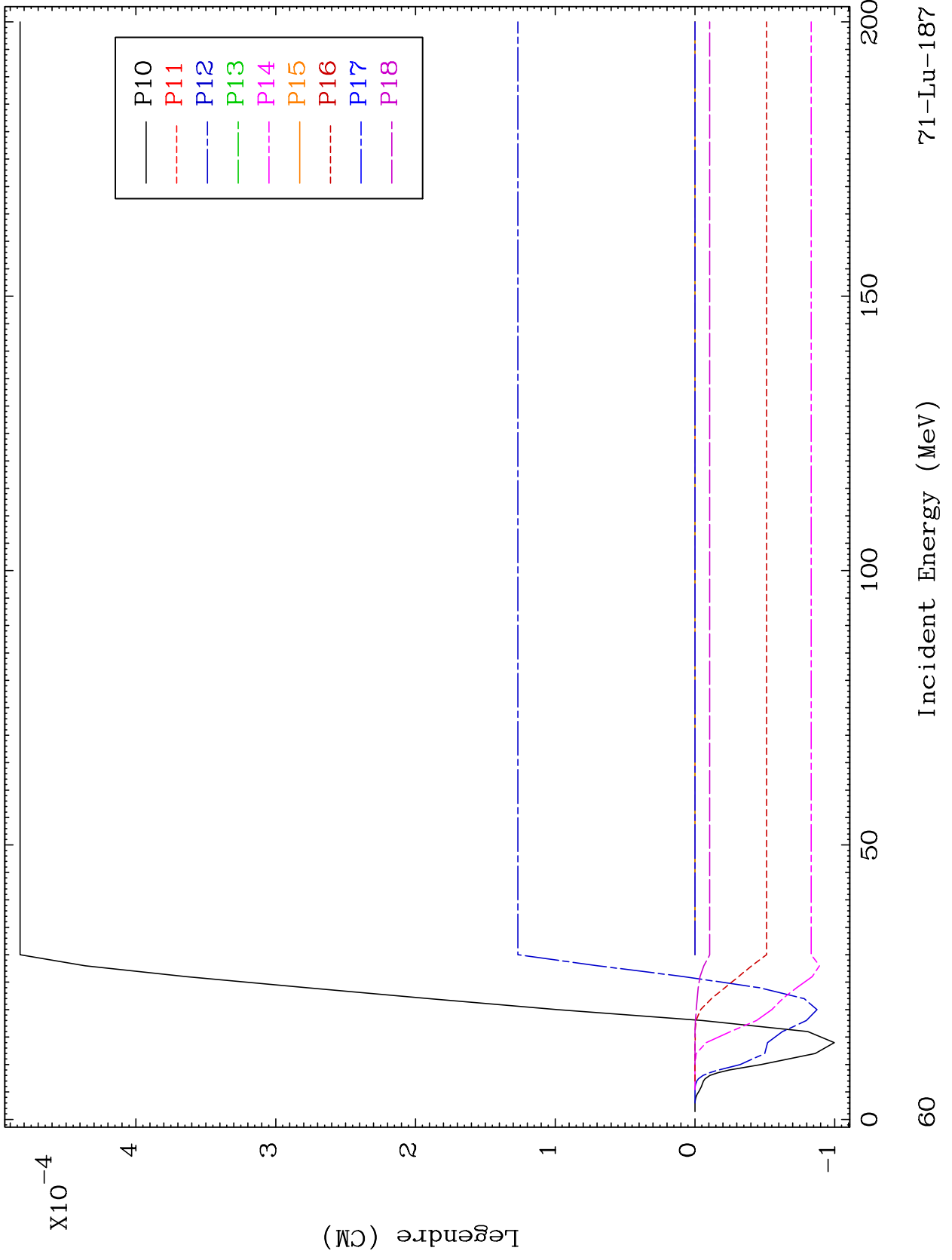


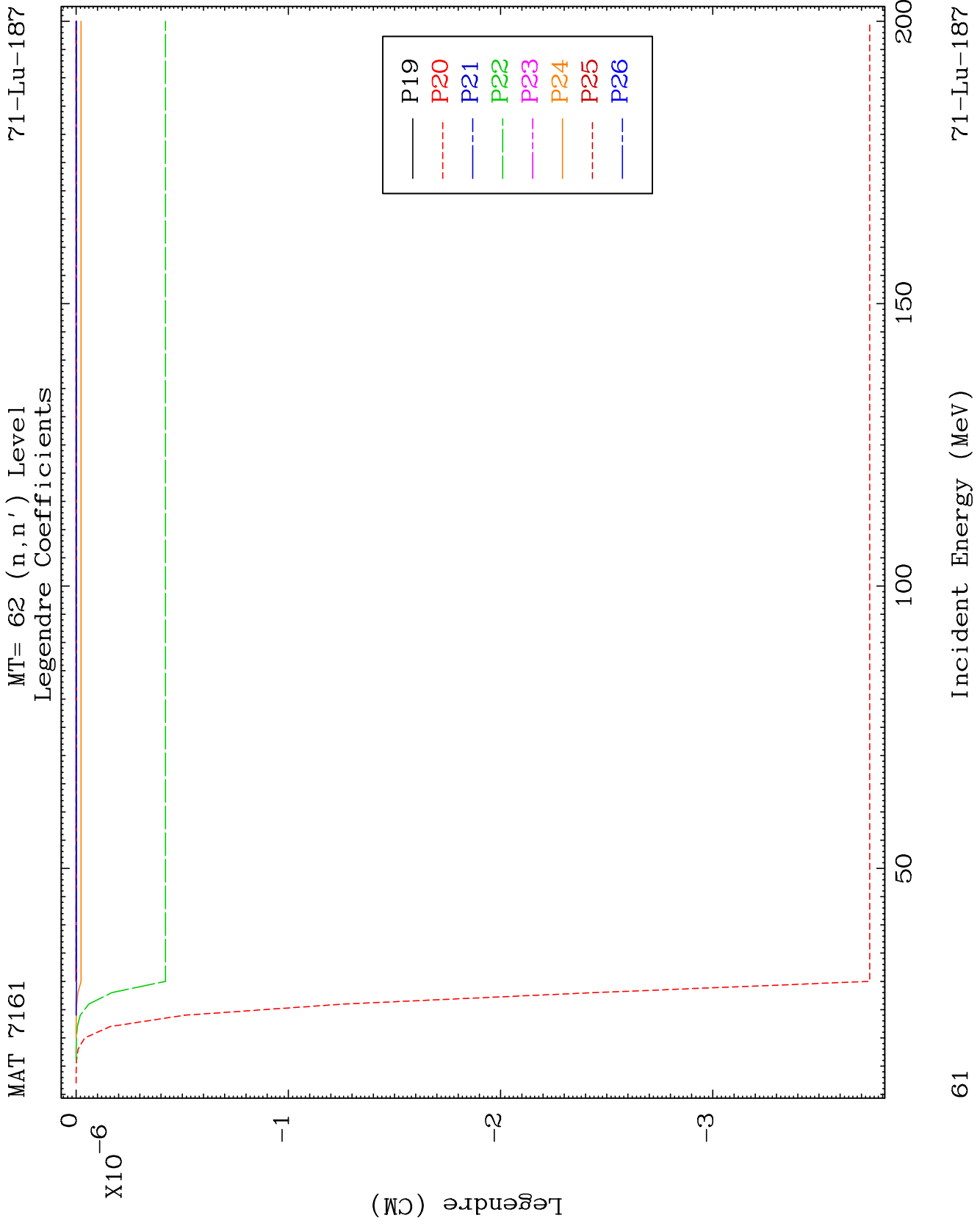


MAT 7161

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

71-Lu-187

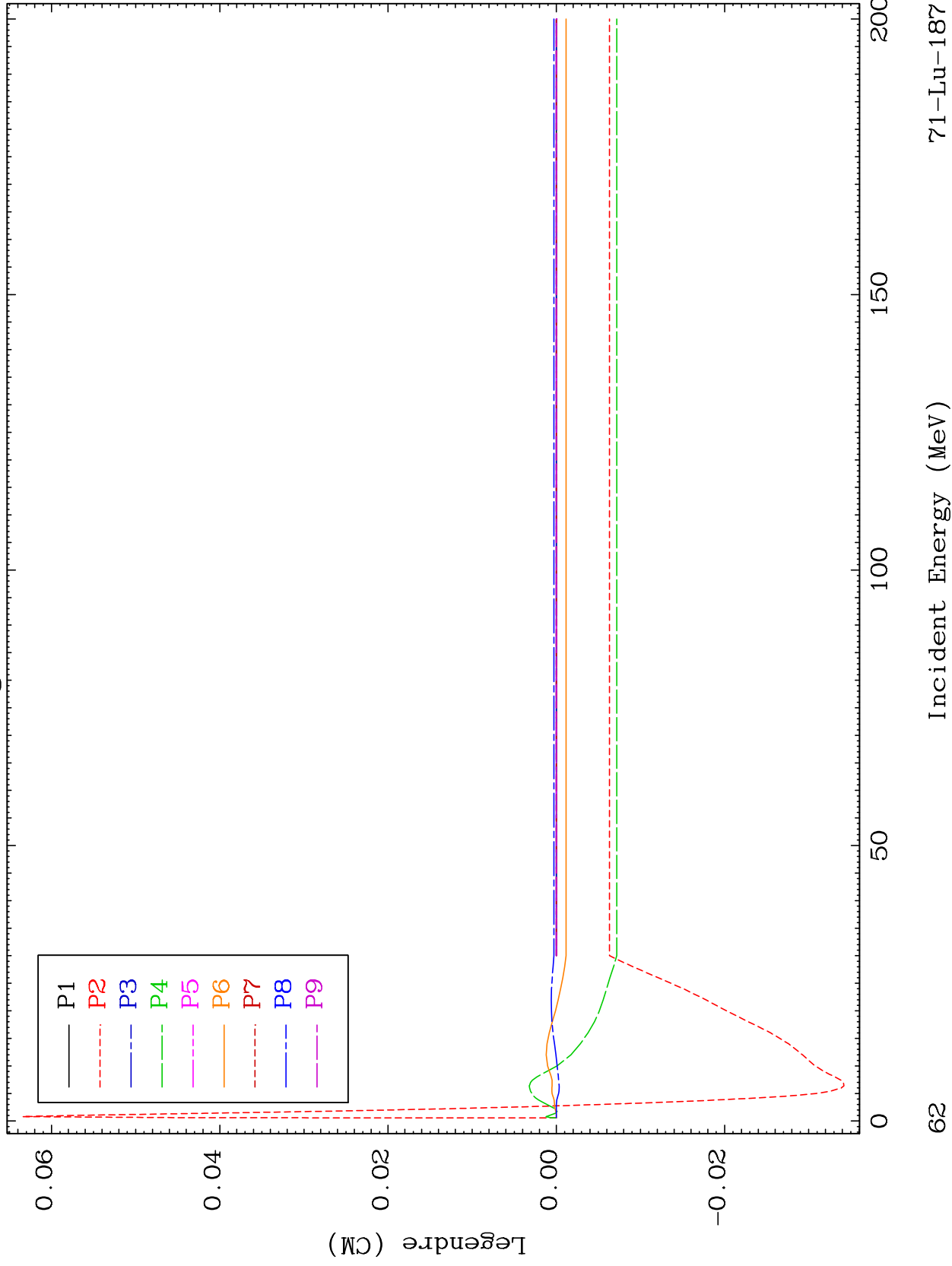




MAT 7161

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

71-Lu-187



71-Lu-187

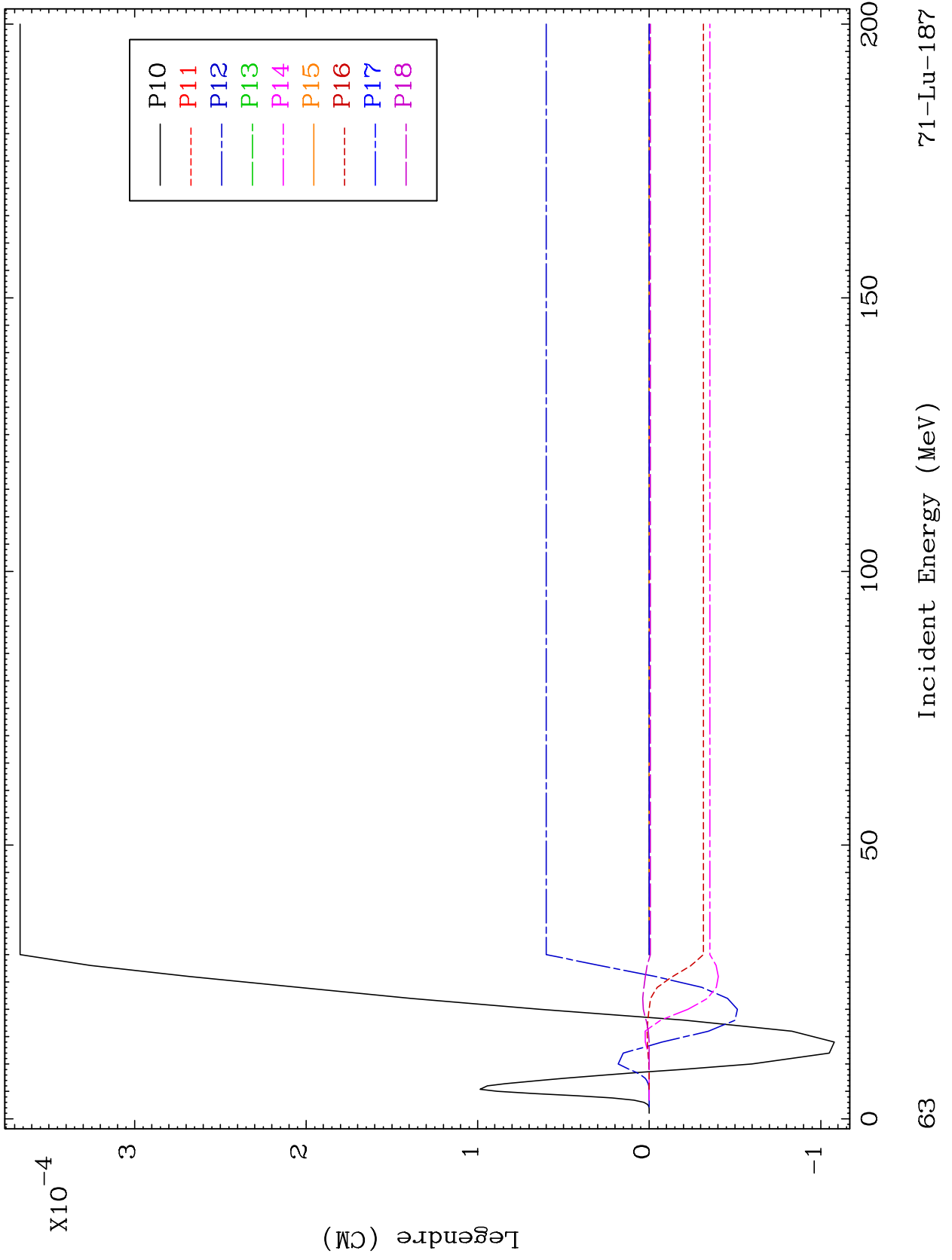
Incident Energy (MeV)

62

MAT 7161

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

71-Lu-187

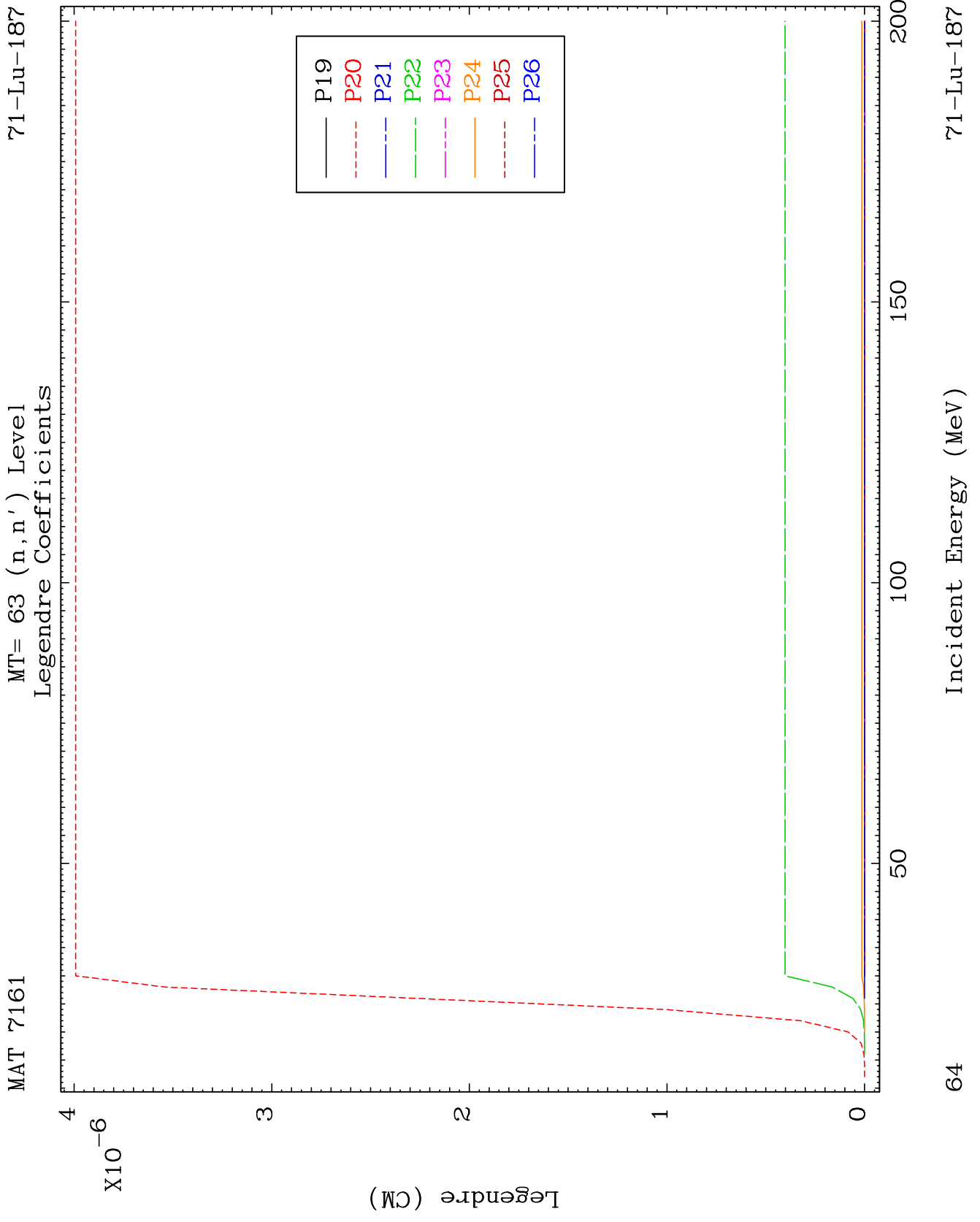


63

Incident Energy (MeV)

71-Lu-187



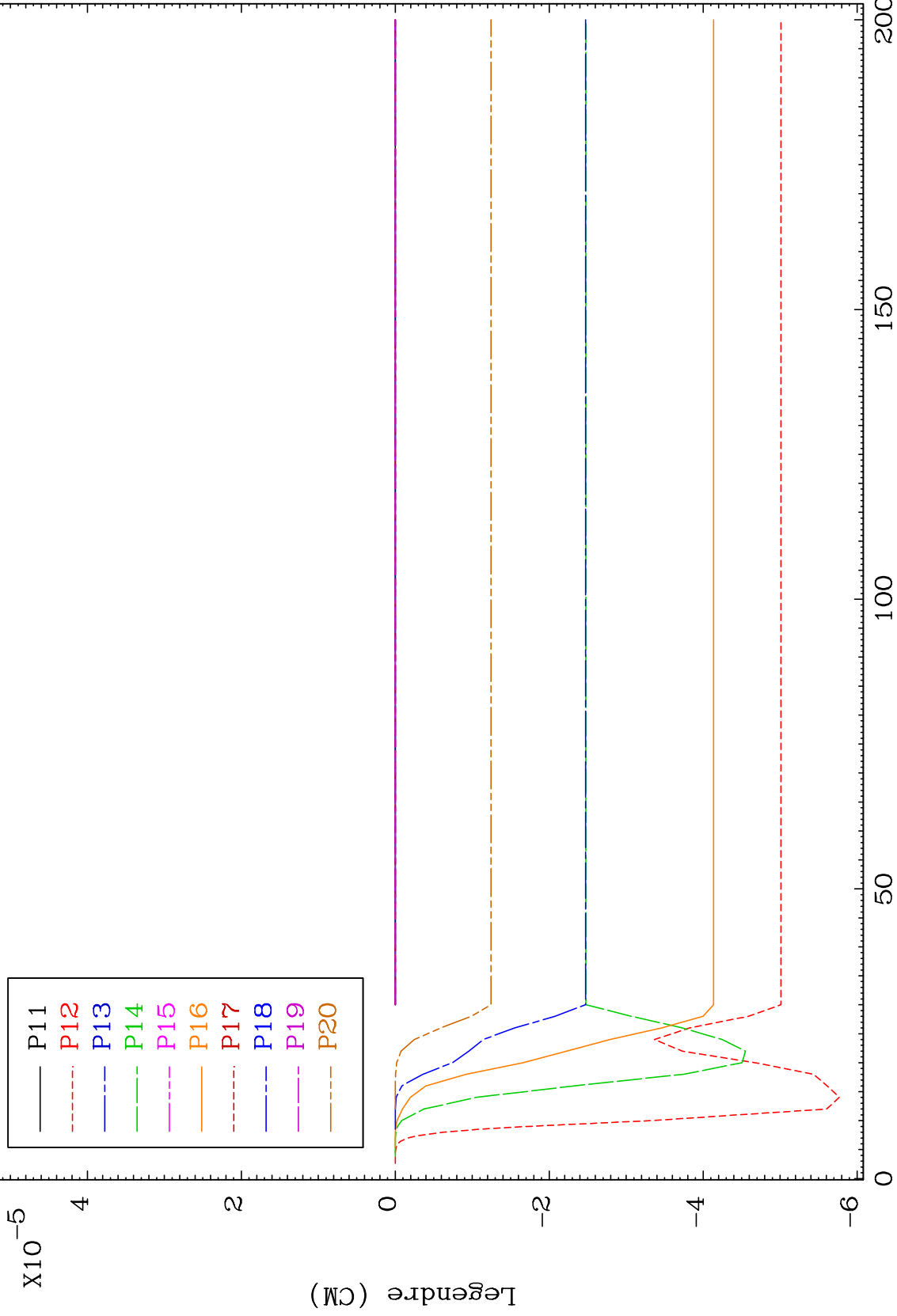
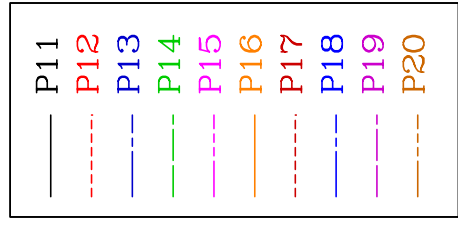




MAT 7161

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

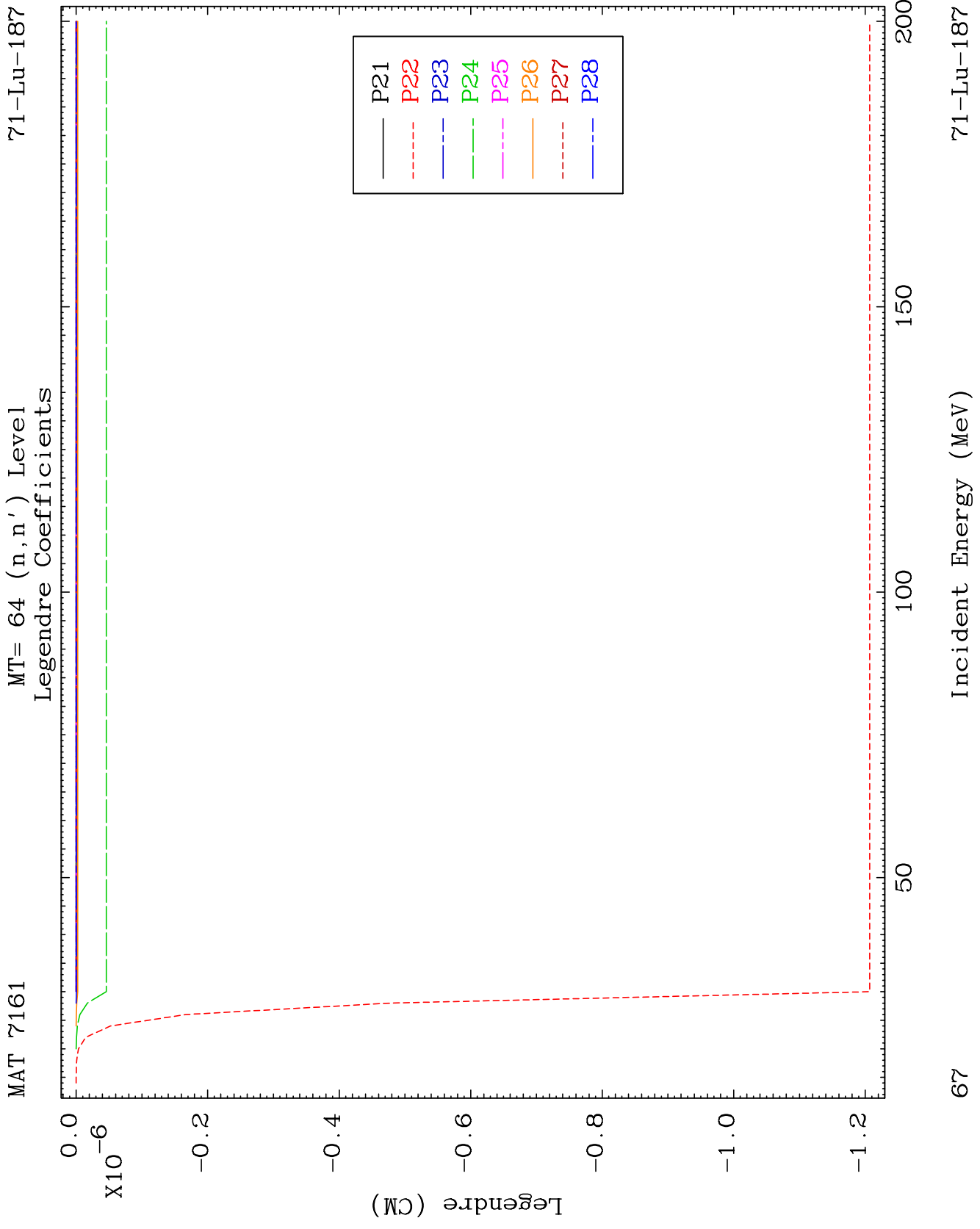
71-Lu-187



66

Incident Energy (MeV)

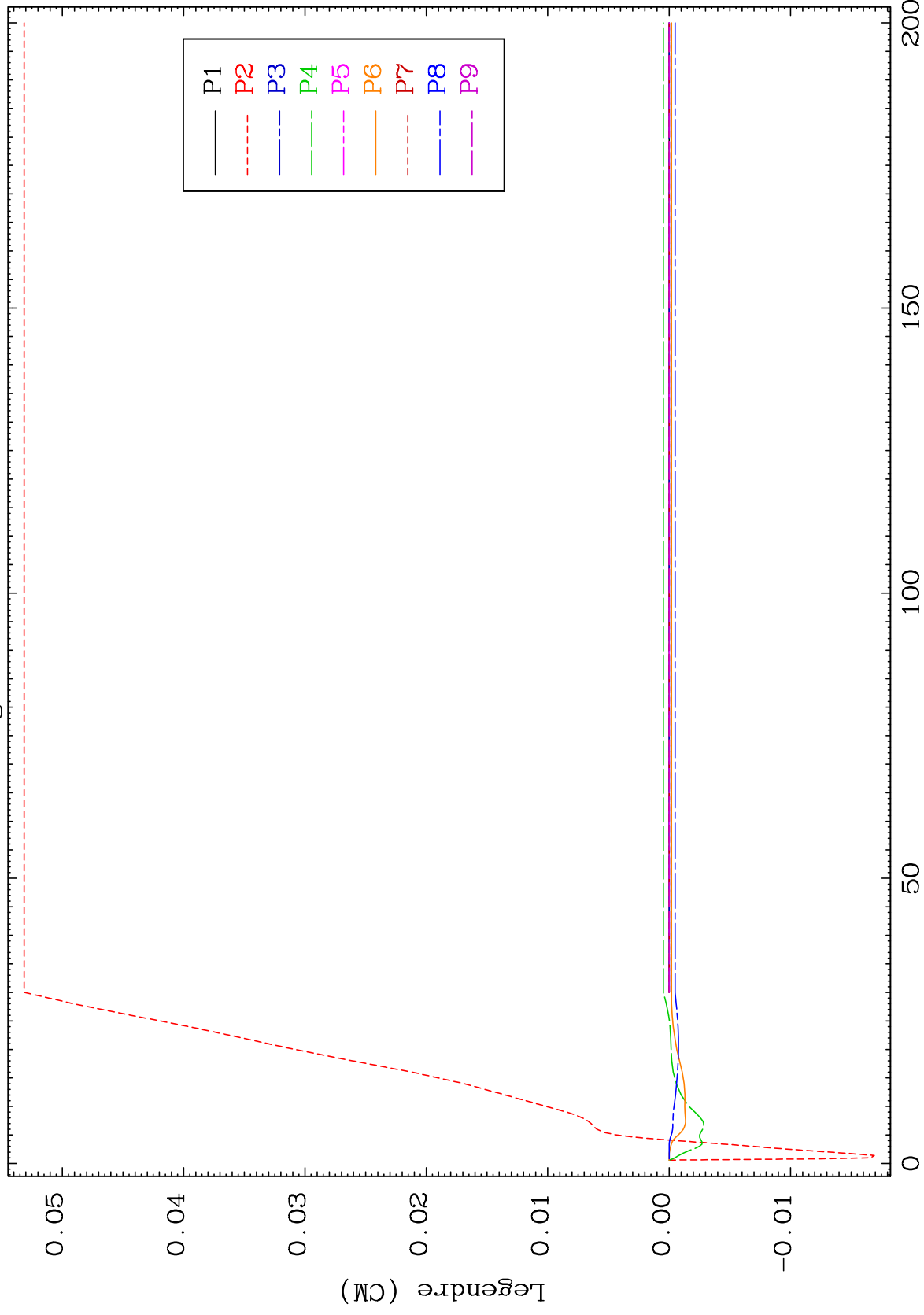
71-Lu-187



MAT 7161

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

71-Lu-187



68

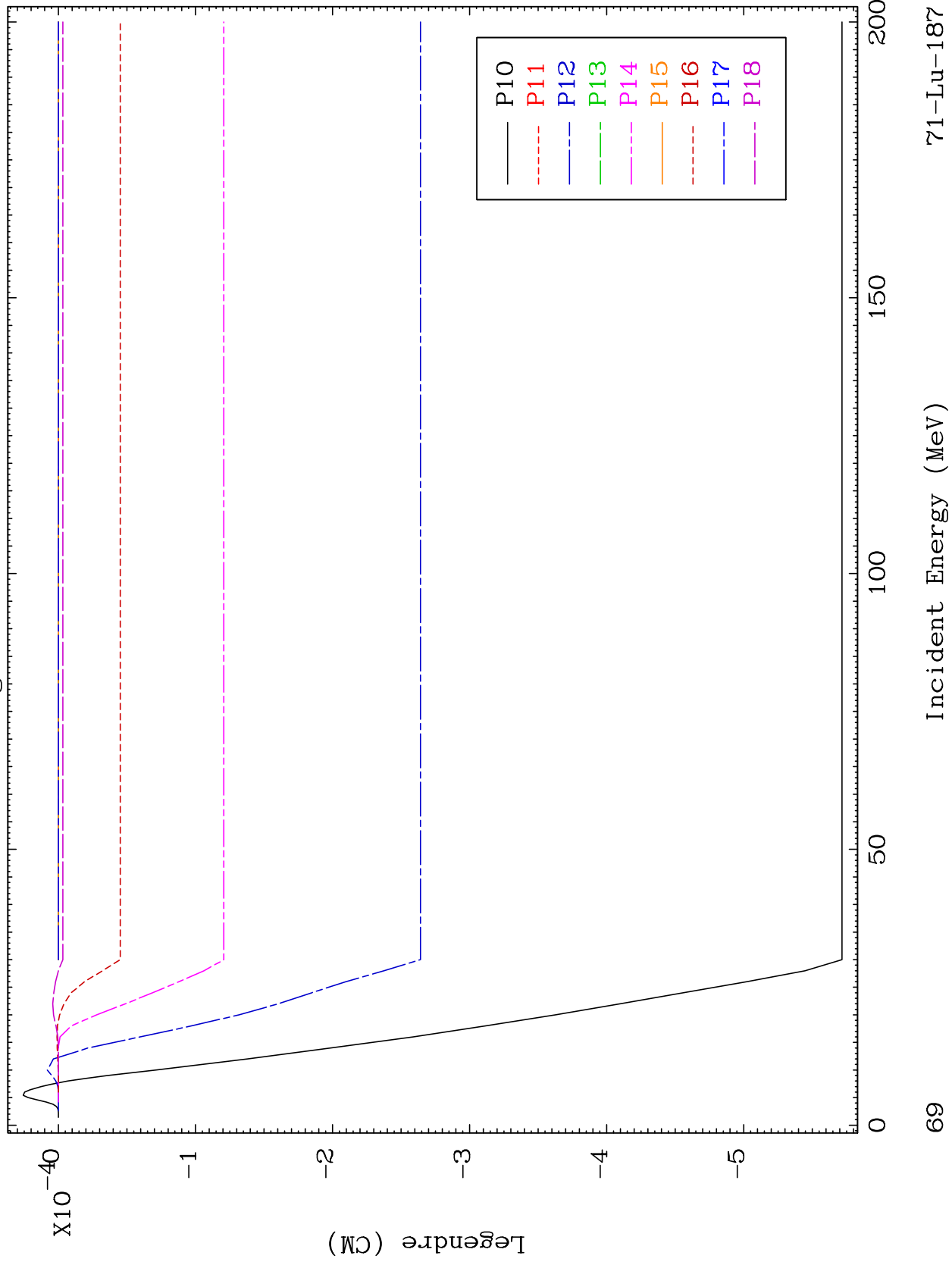
Incident Energy (MeV)

71-Lu-187

MAT 7161

71-Lu-187

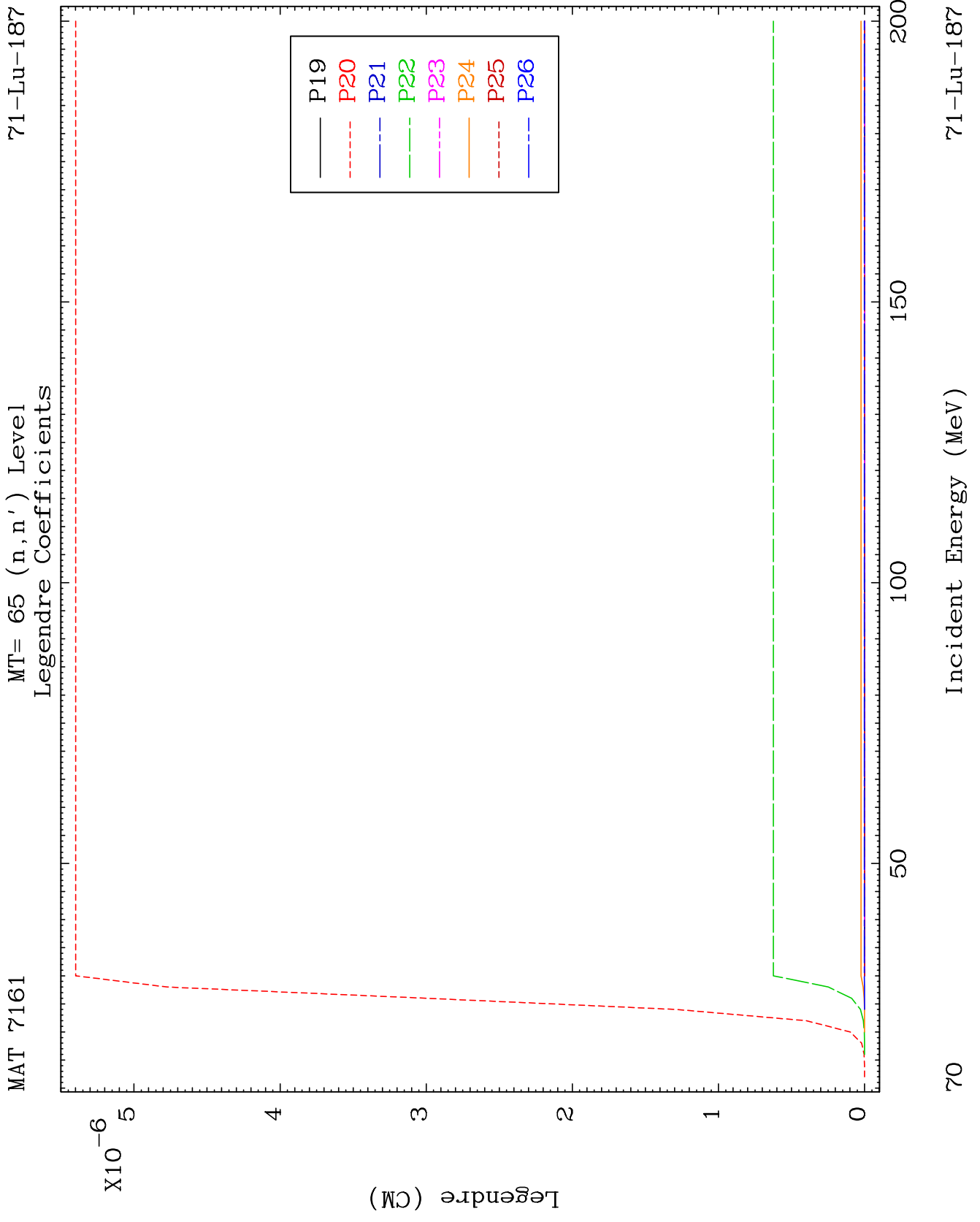
MT= 65 (n,n') Level  
Legendre Coefficients

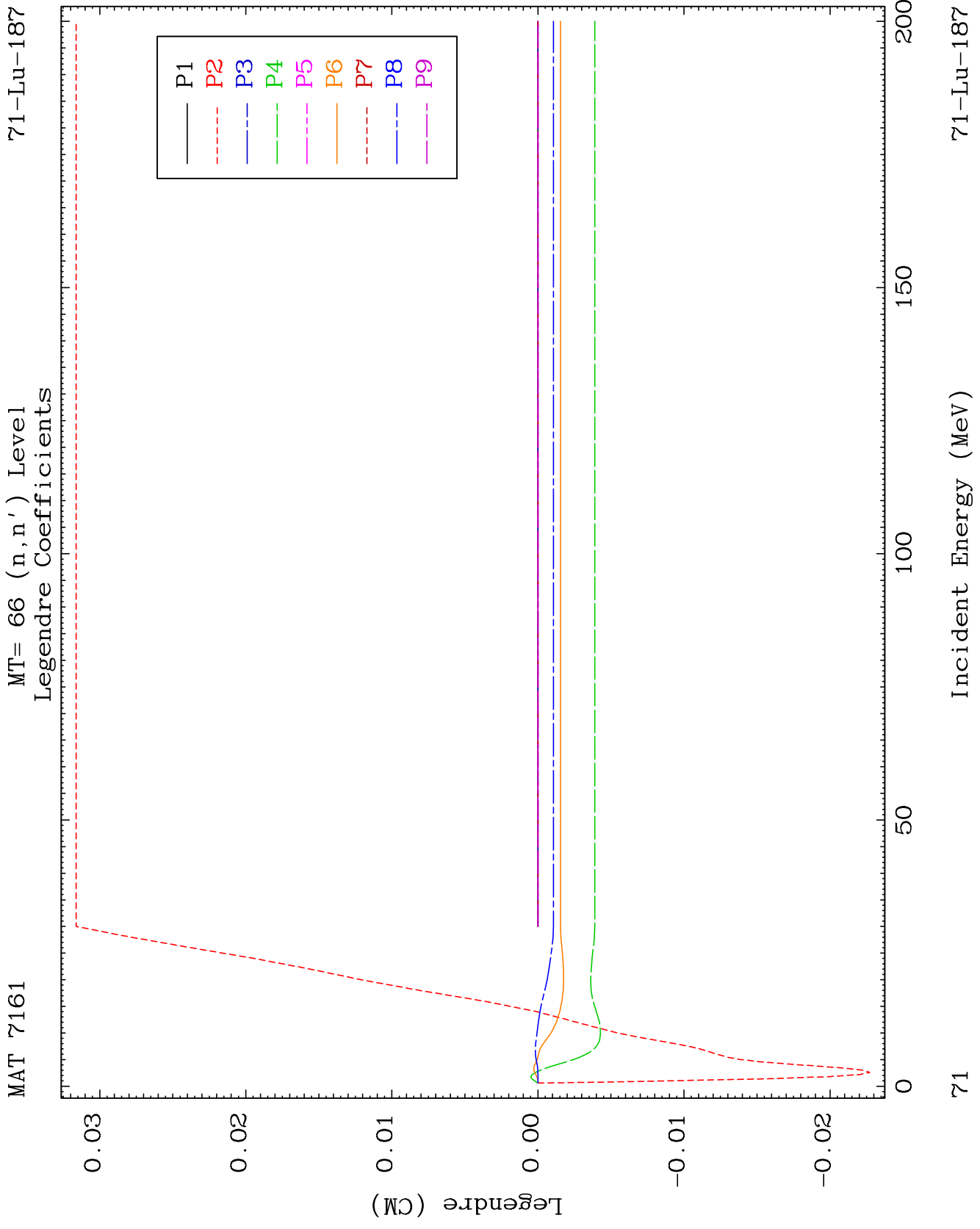


69

Incident Energy (MeV)

71-Lu-187



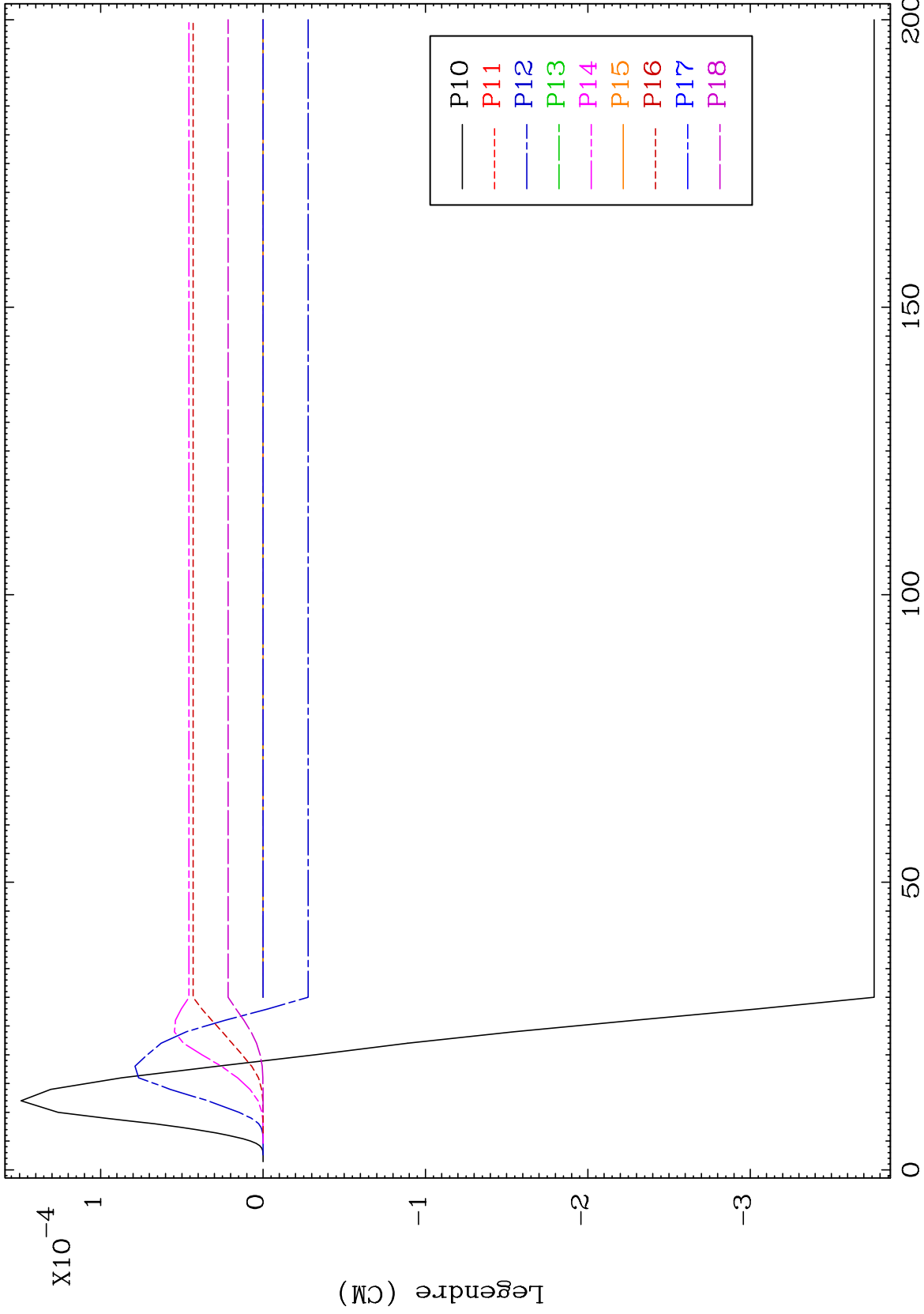




MAT 7161

MT= 66 (n,n') Level  
Legendre Coefficients

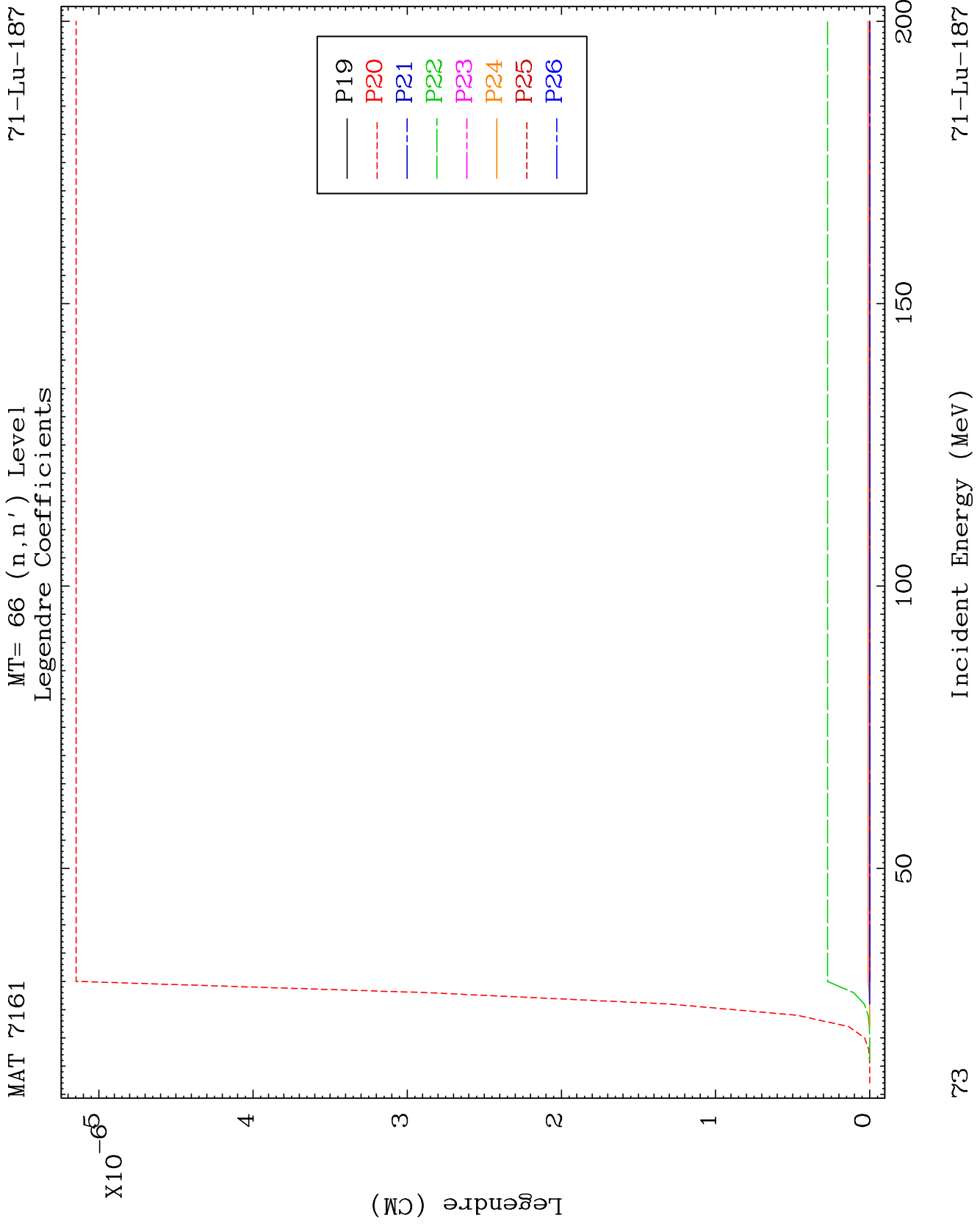
71-Lu-187



72

Incident Energy (MeV)

71-Lu-187

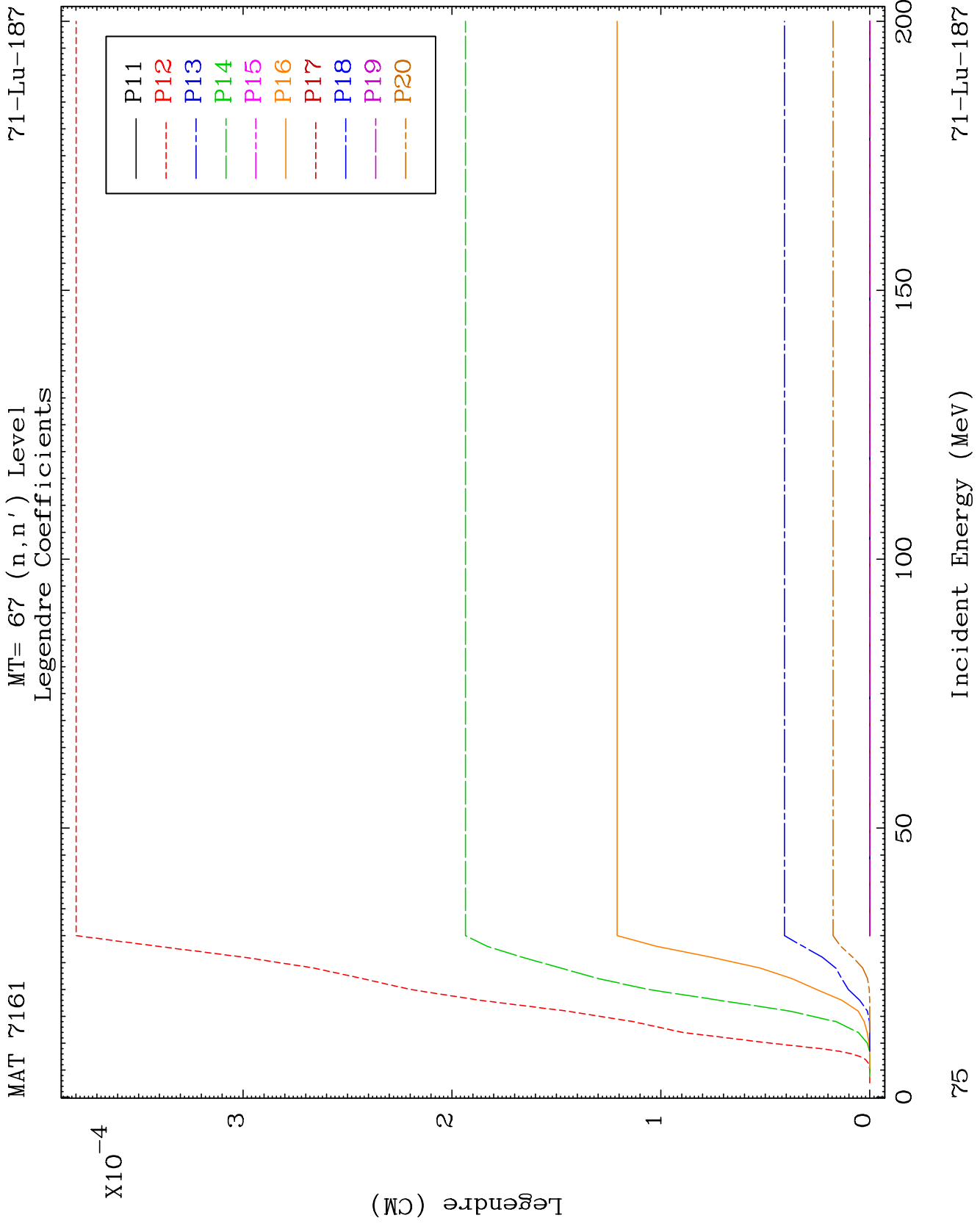


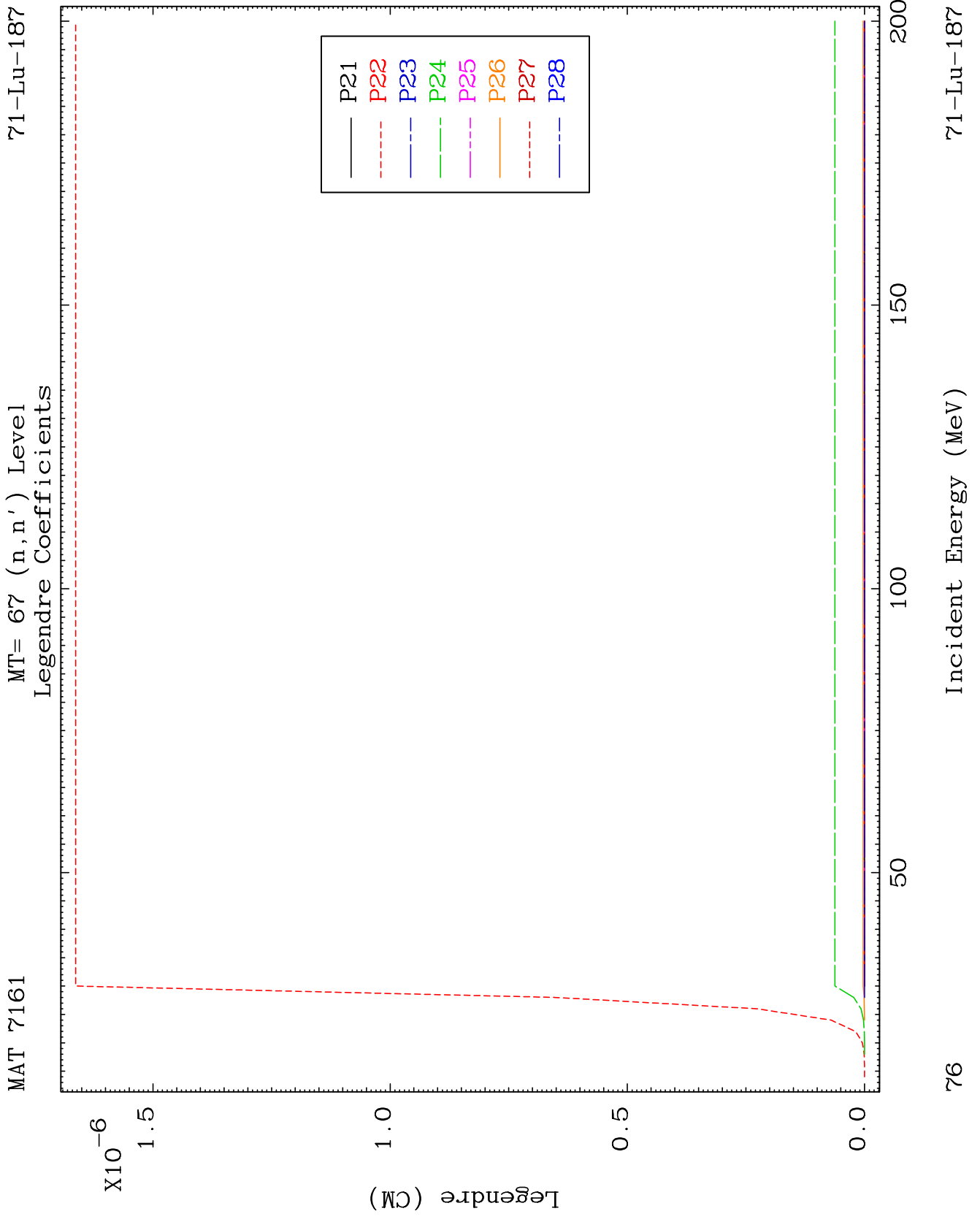
71-Lu-187

Incident Energy (MeV)

73



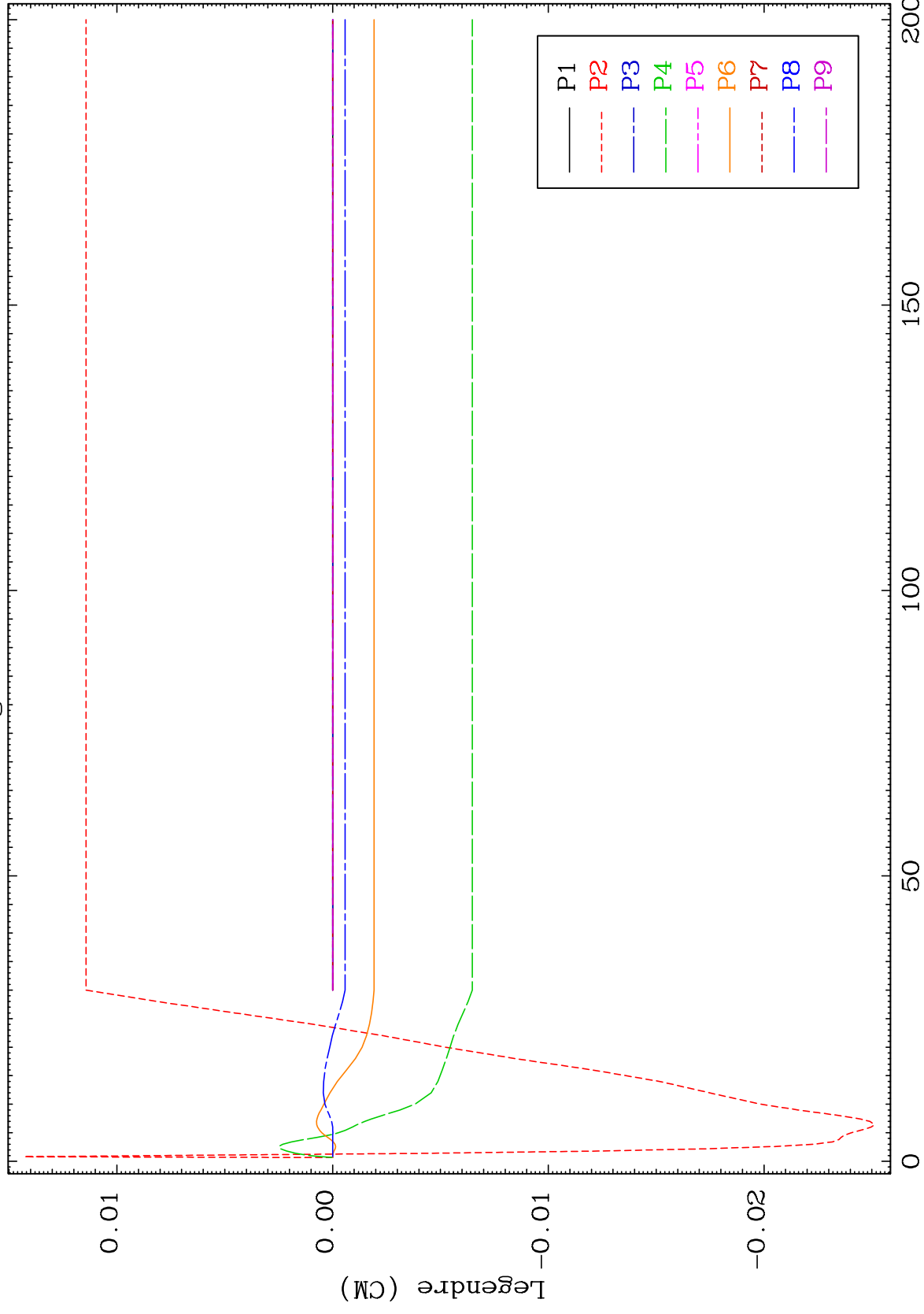




MAT 7161

MT= 68 (n,n') Level  
Legendre Coefficients

71-Lu-187



71-Lu-187

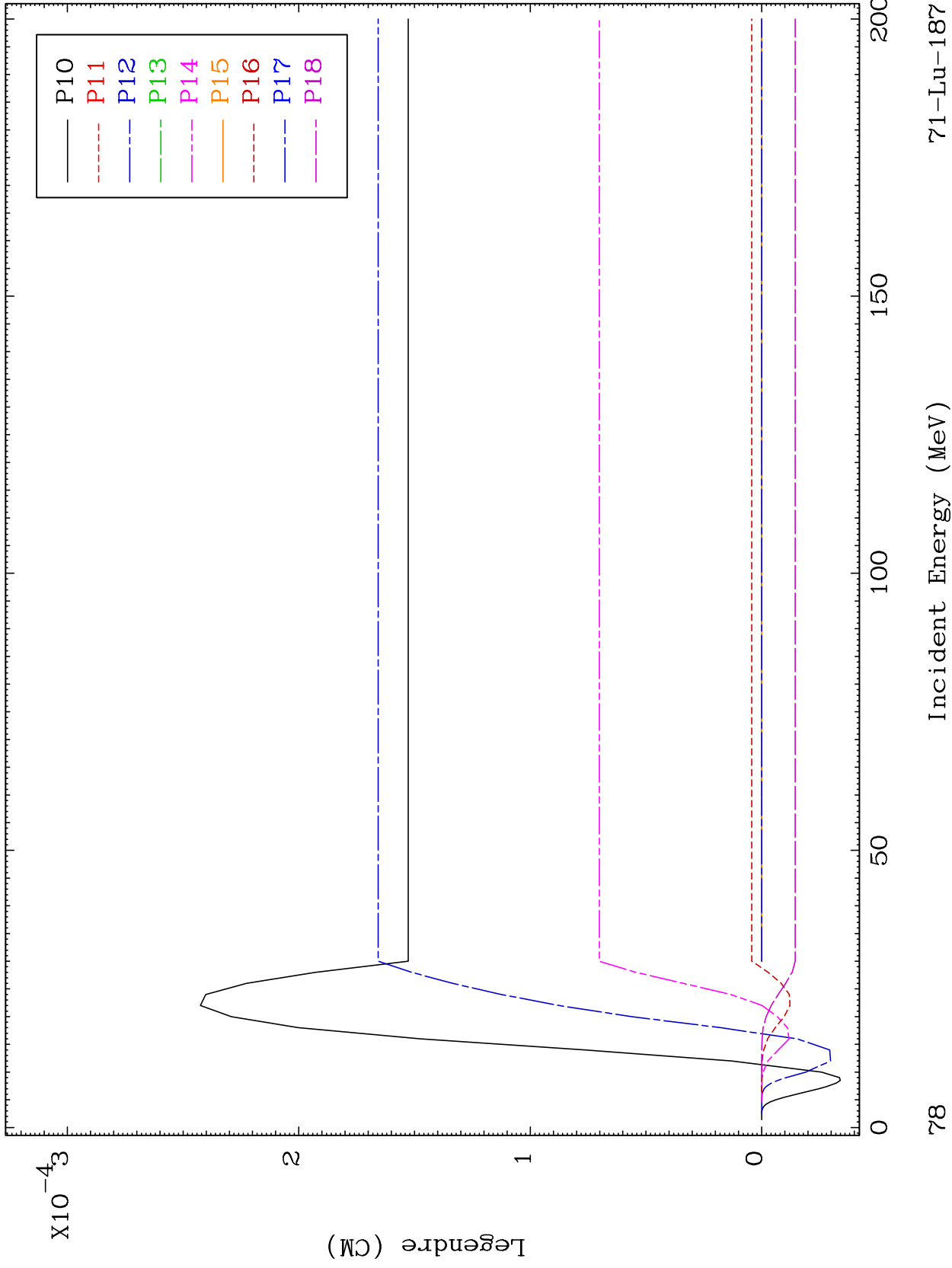
Incident Energy (MeV)

77

MAT 7161

MT= 68 (n,n') Level  
Legendre Coefficients

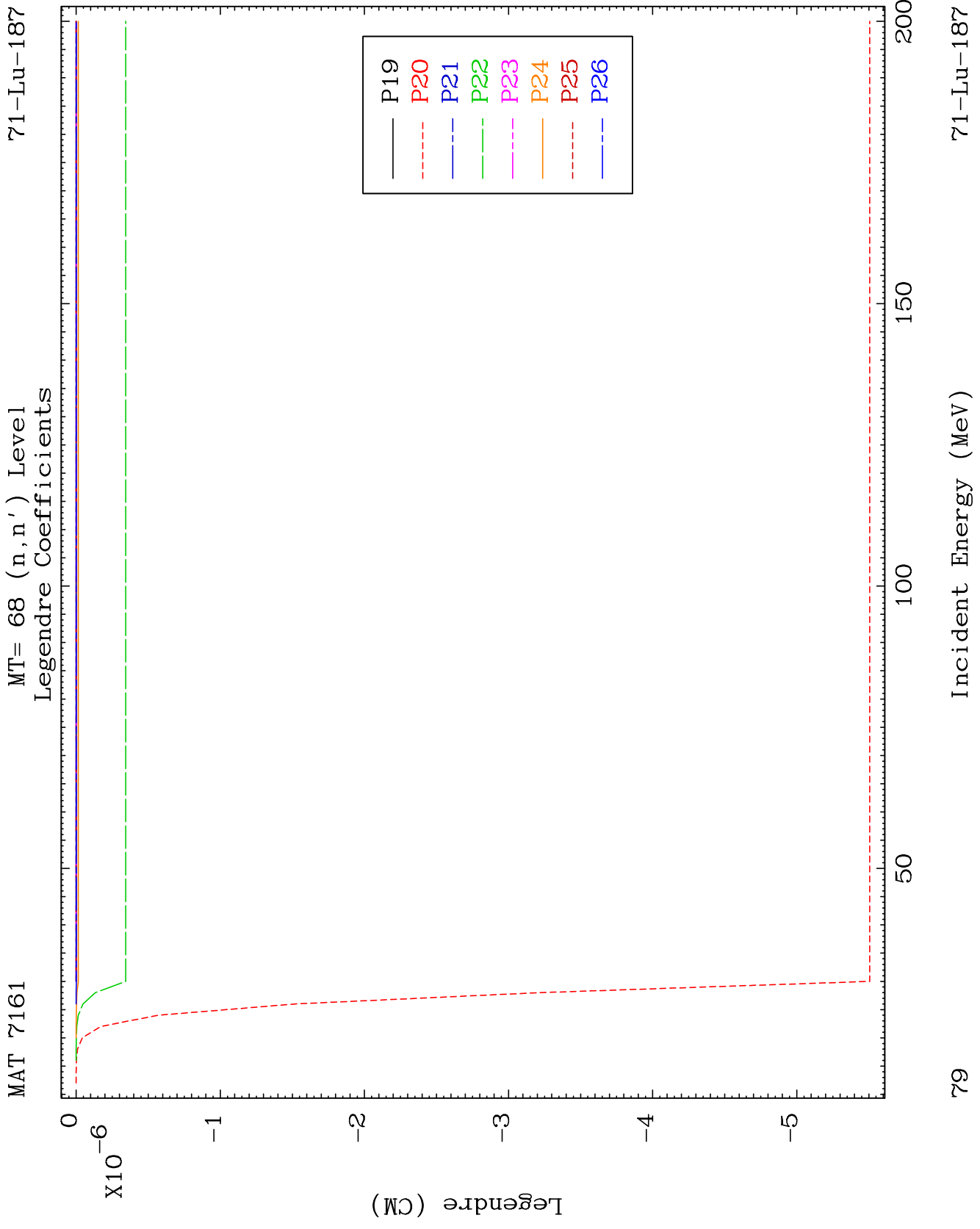
71-Lu-187



71-Lu-187

Incident Energy (MeV)

78

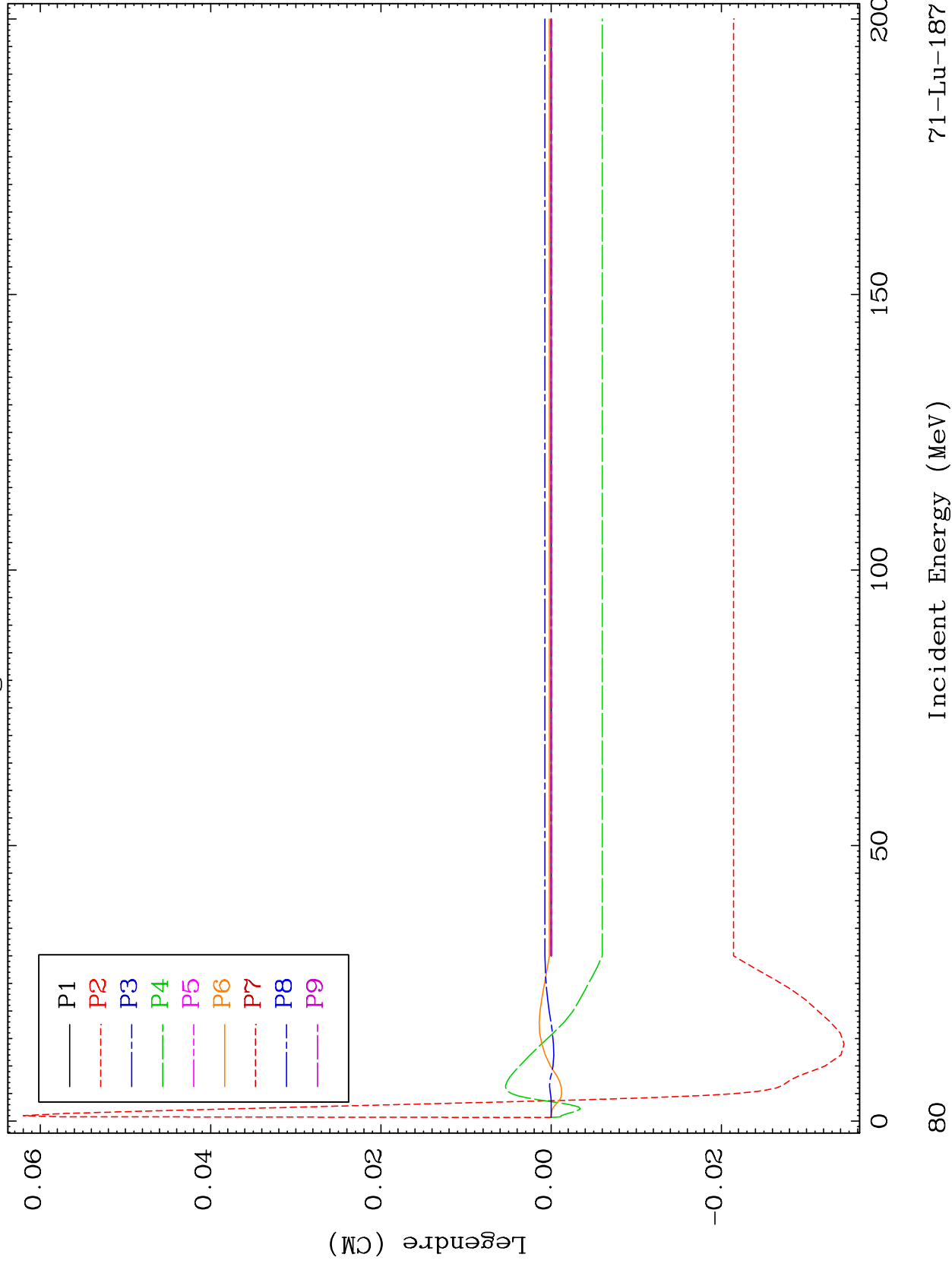




MAT 7161

MT= 69 (n,n') Level  
Legendre Coefficients

71-Lu-187



71-Lu-187

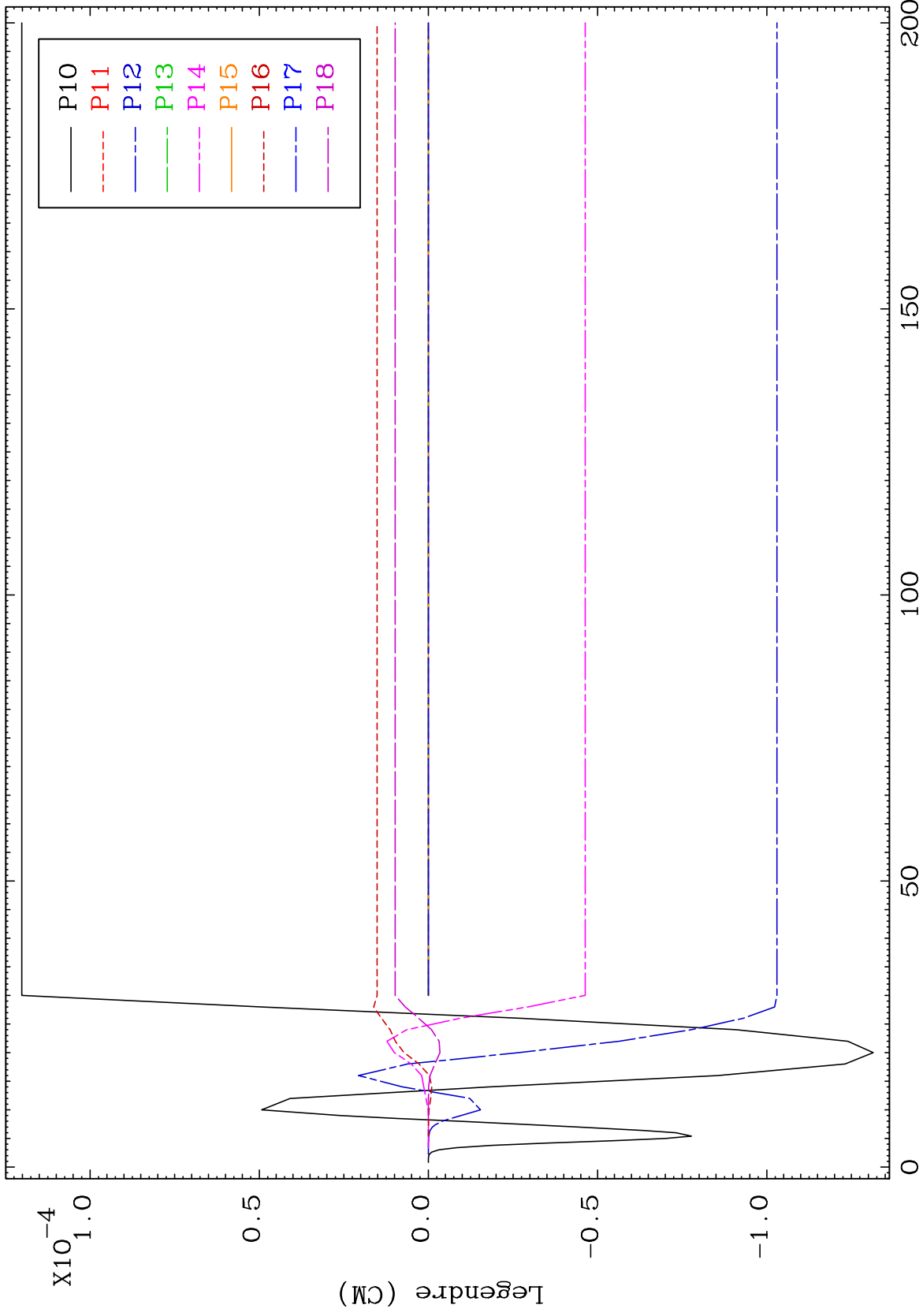
Incident Energy (MeV)

80

MAT 7161

MT= 69 (n,n') Level  
Legendre Coefficients

71-Lu-187



81

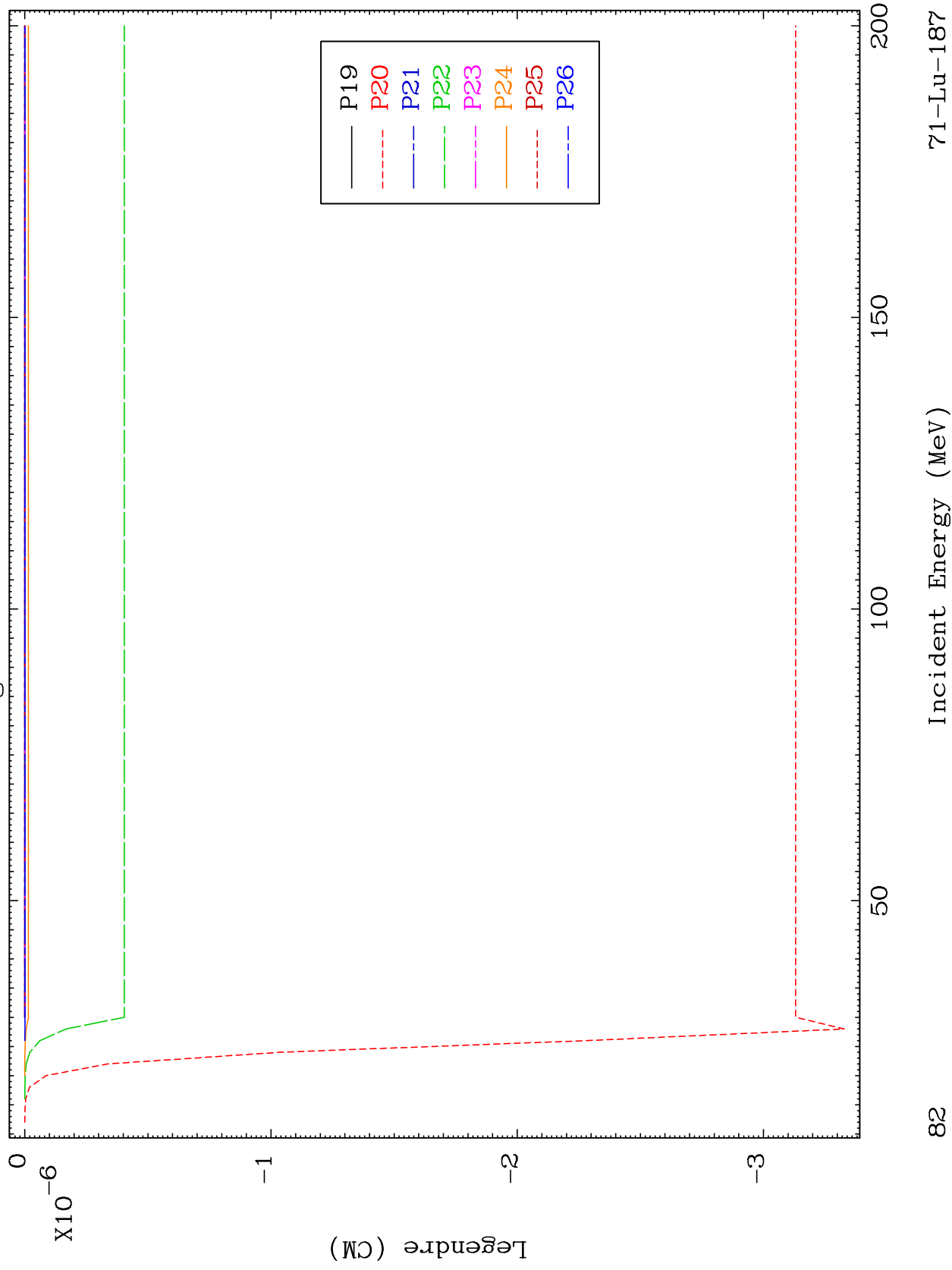
Incident Energy (MeV)

71-Lu-187

MAT 7161

MT= 69 (n,n') Level  
Legendre Coefficients

71-Lu-187



82

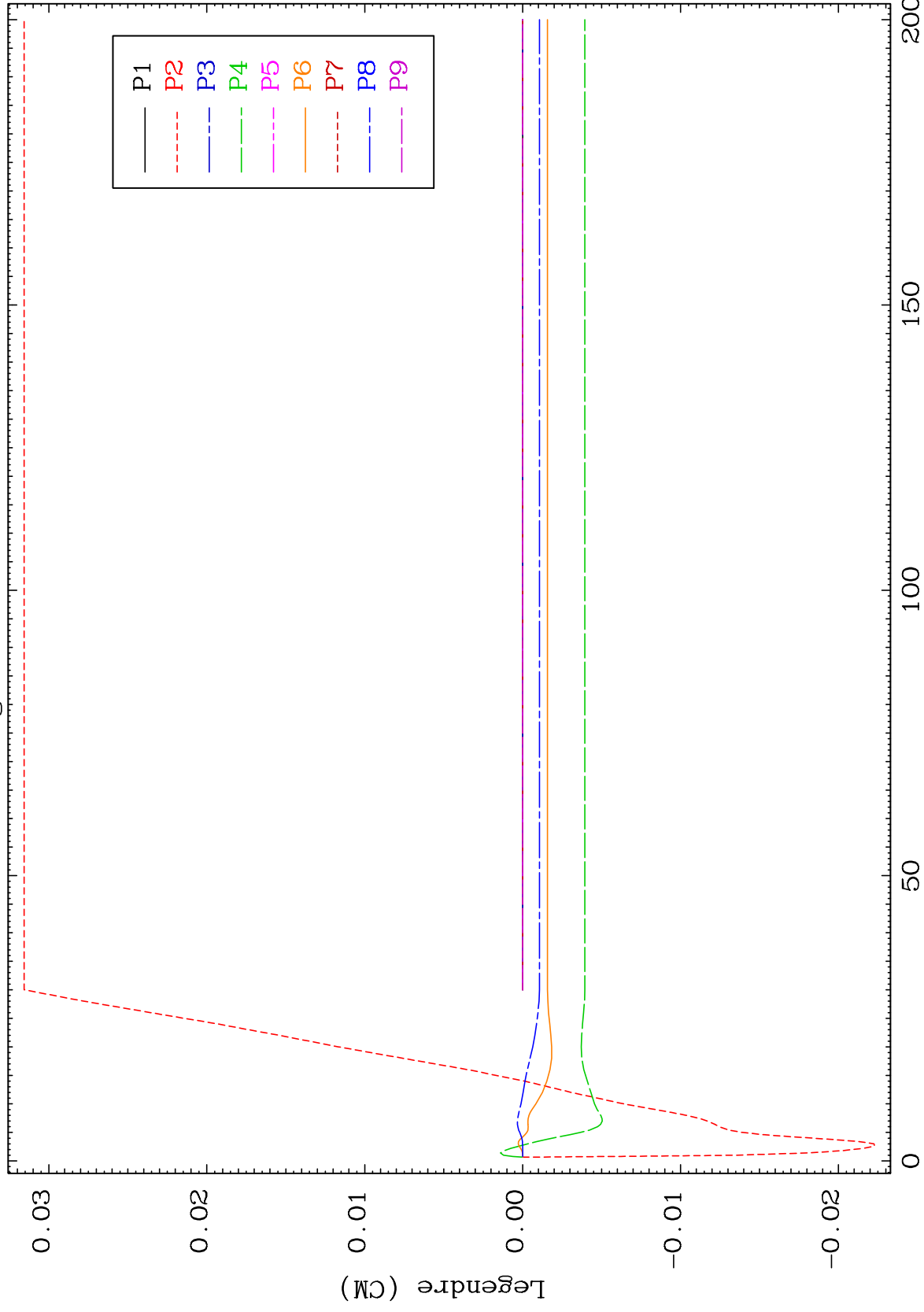
Incident Energy (MeV)

71-Lu-187

MAT 7161

MT= 70 (n,n') Level  
Legendre Coefficients

71-Lu-187



83

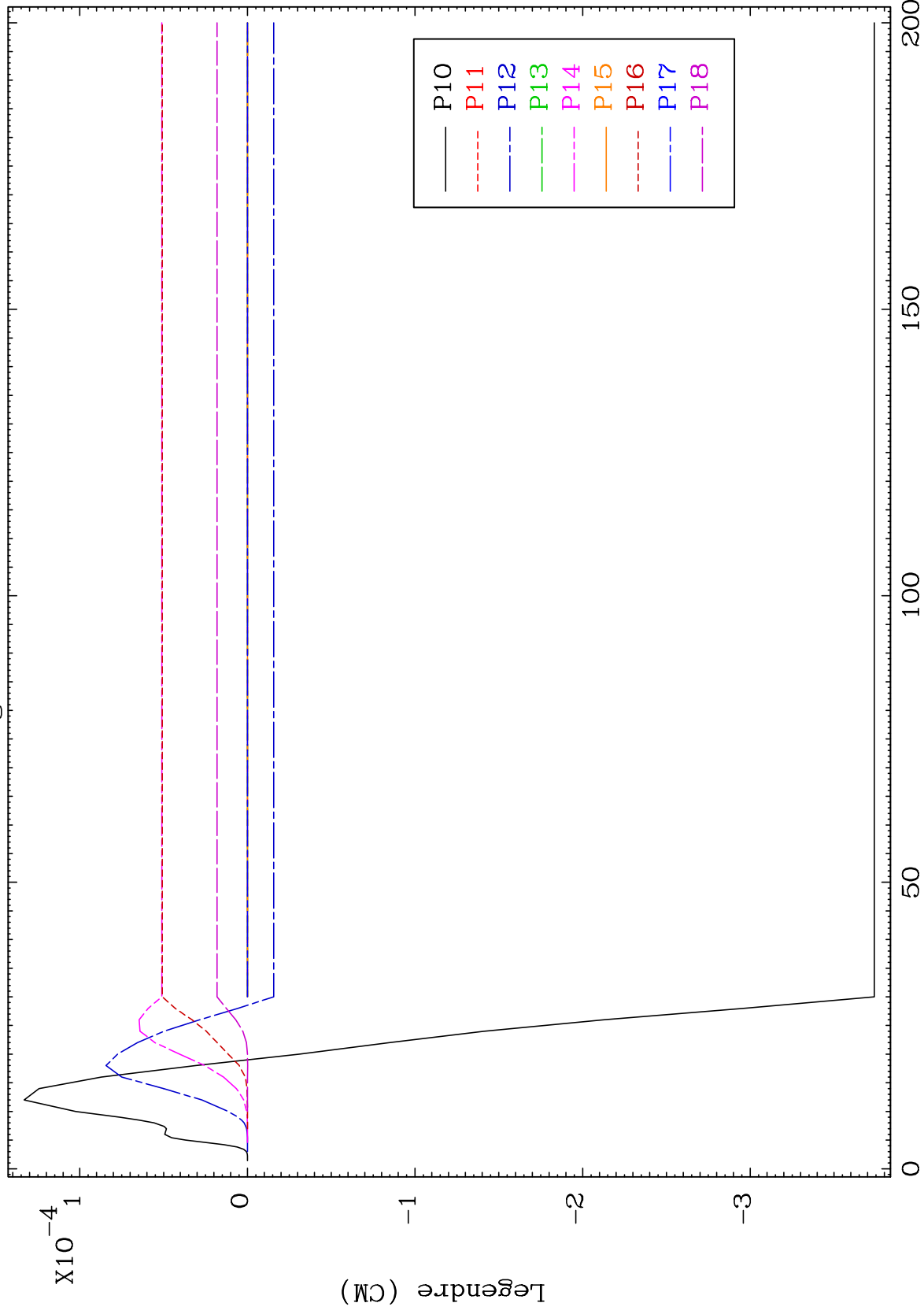
Incident Energy (MeV)

71-Lu-187

MAT 7161

MT= 70 (n,n') Level  
Legendre Coefficients

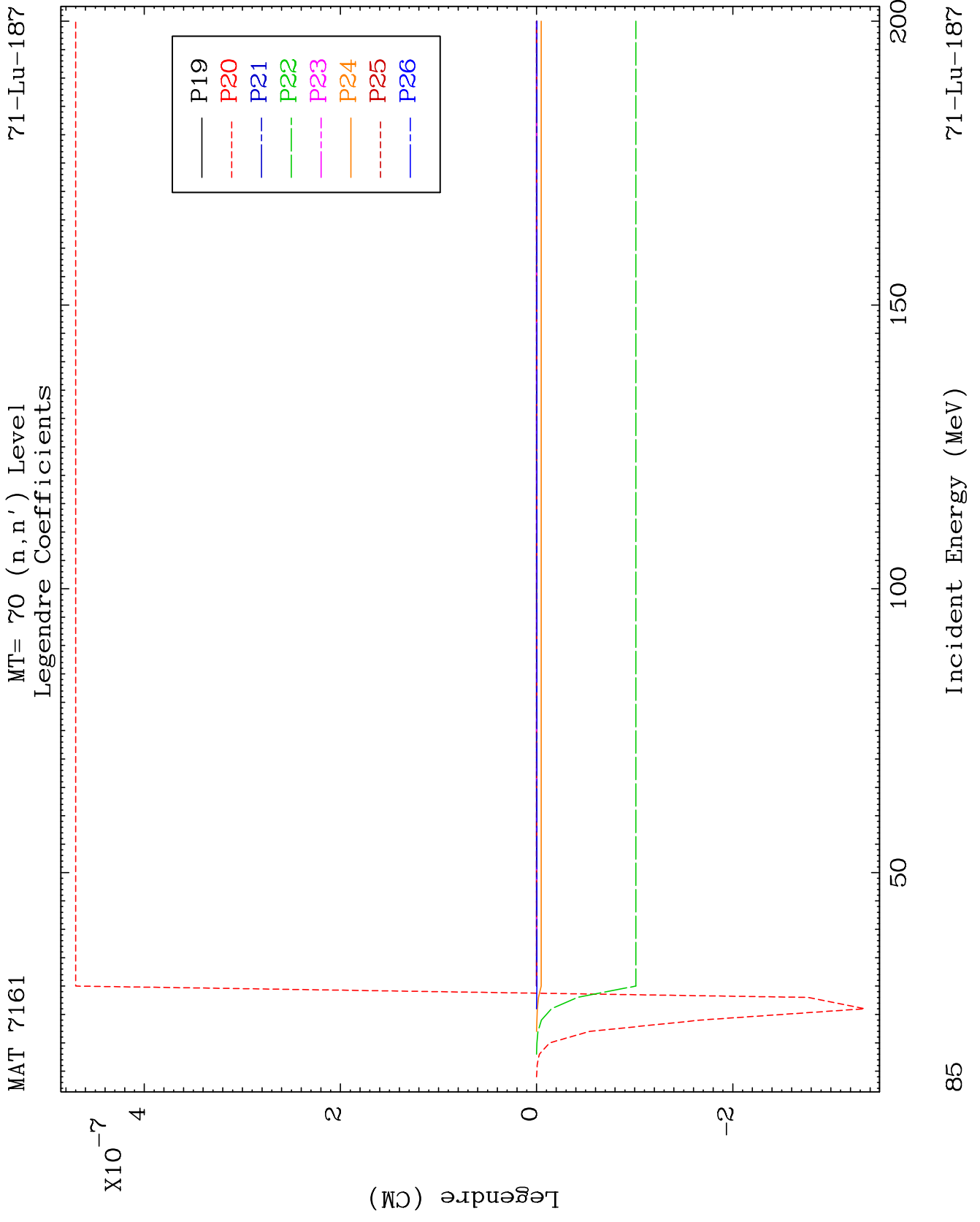
71-Lu-187

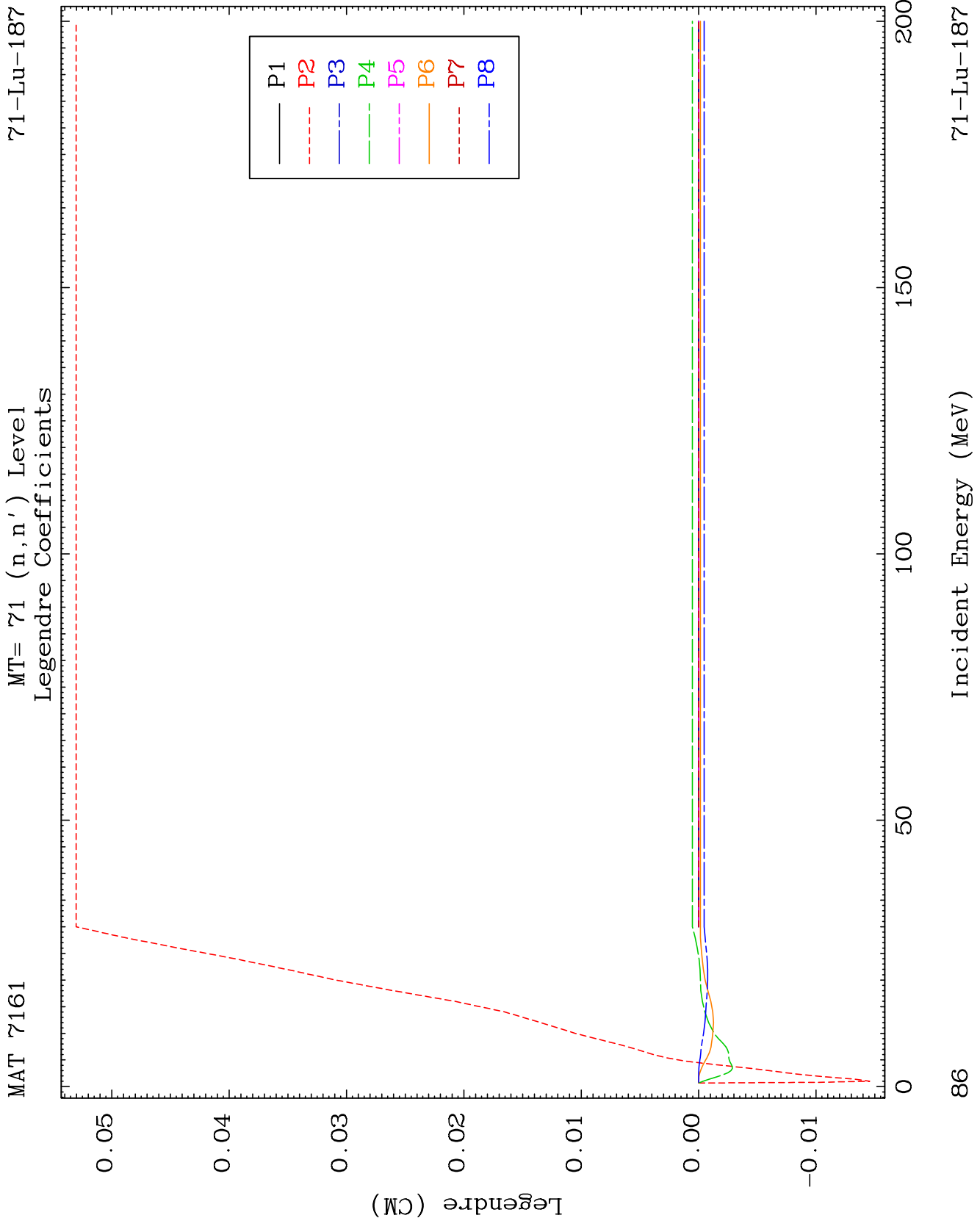


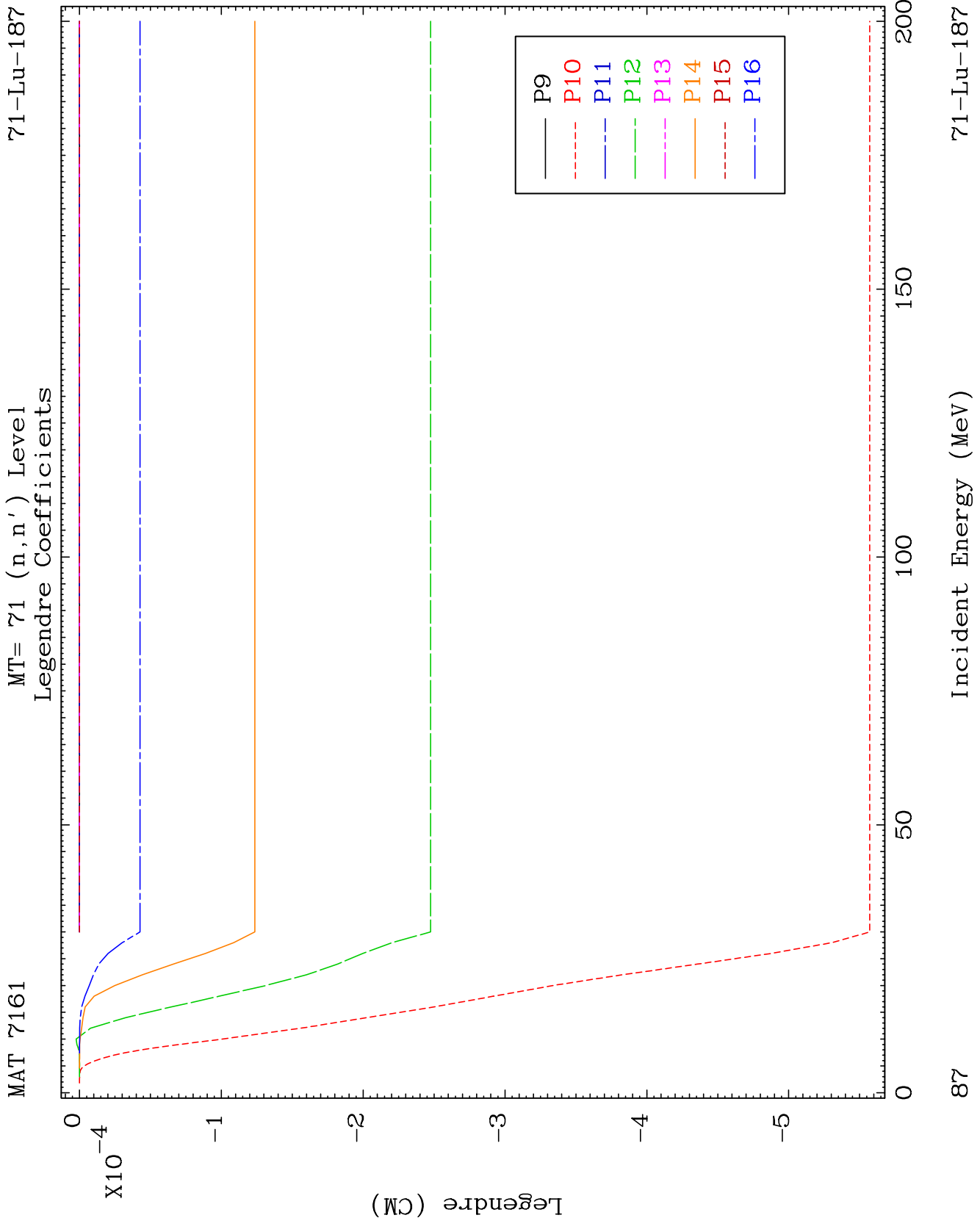
84

Incident Energy (MeV)

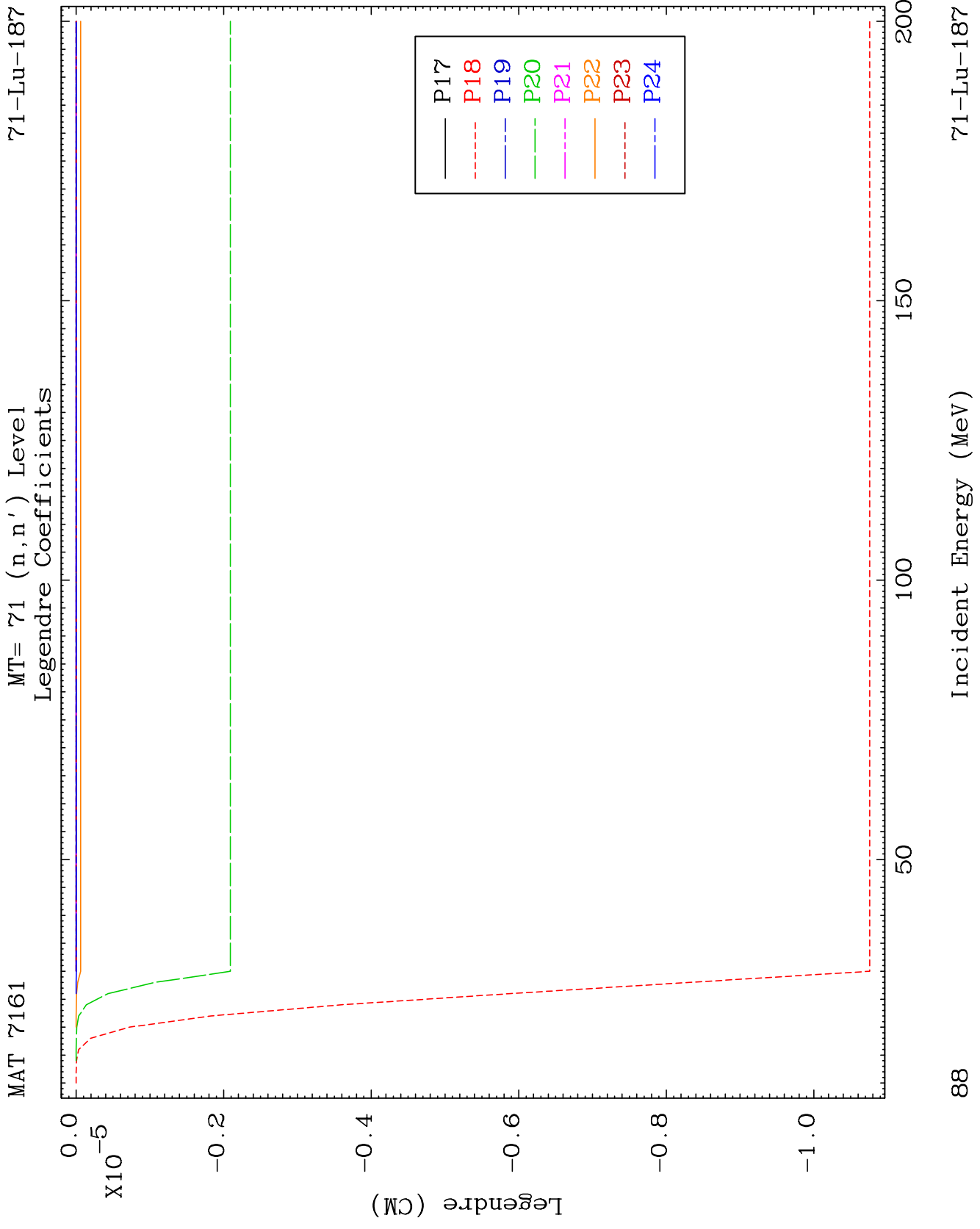
71-Lu-187



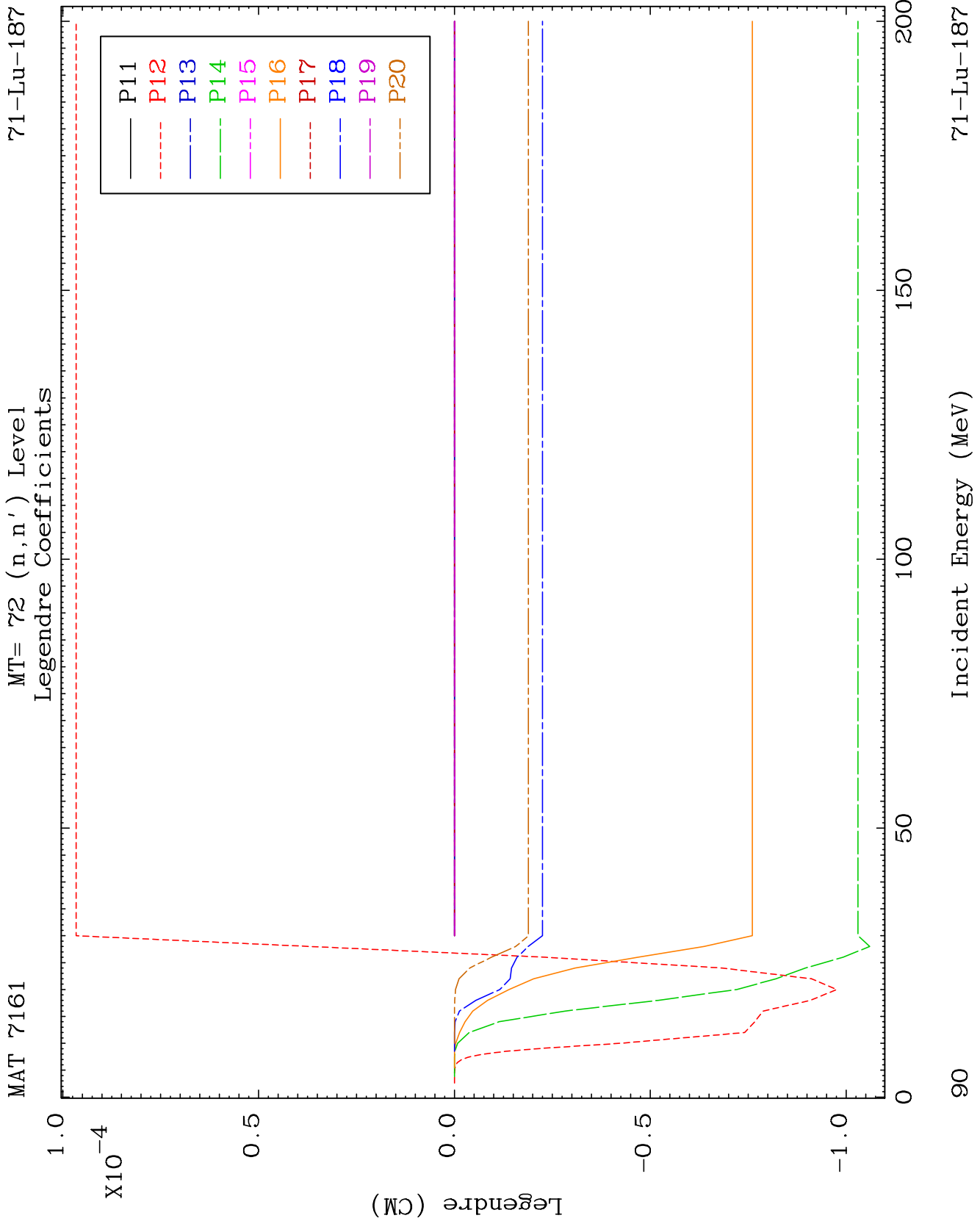


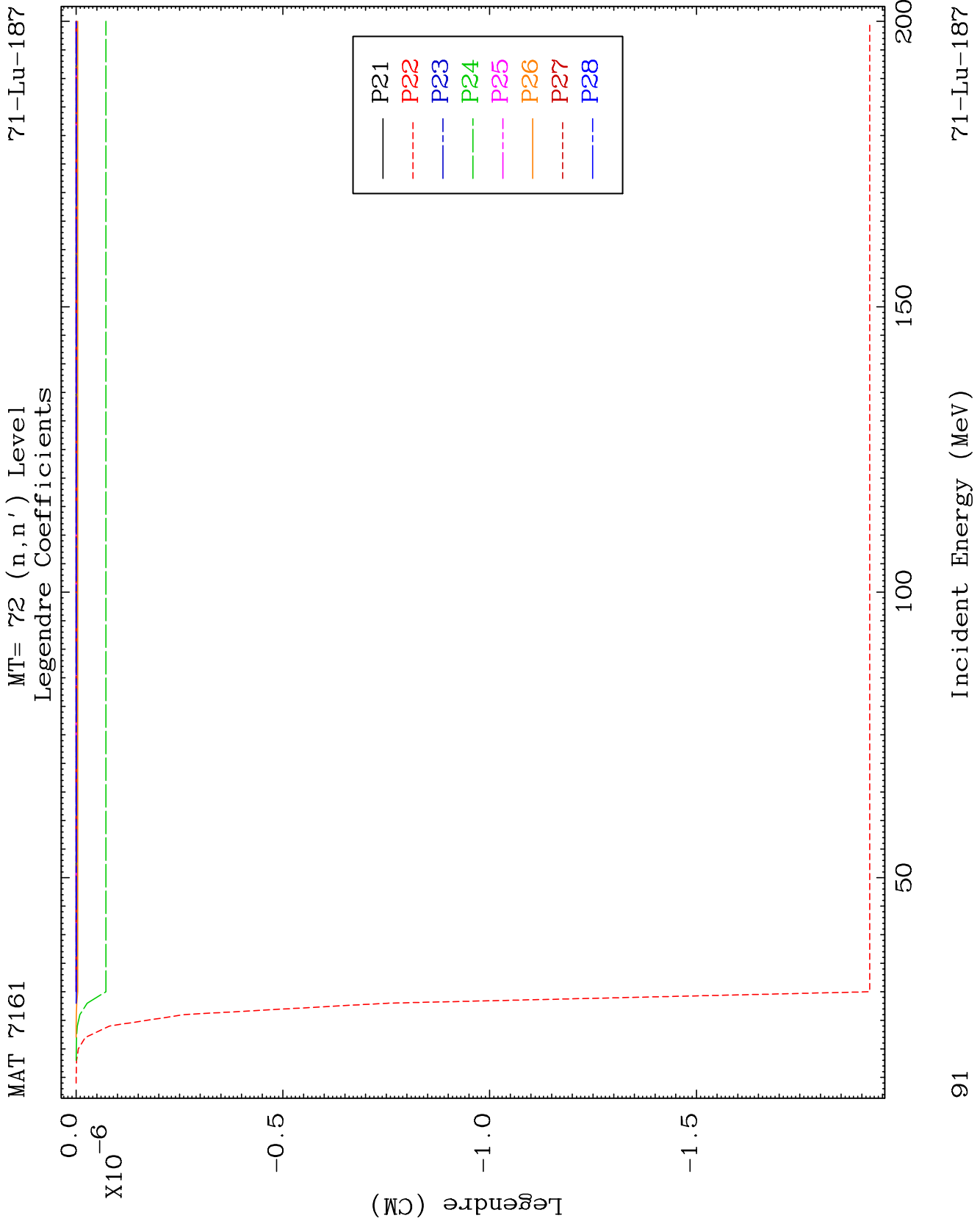


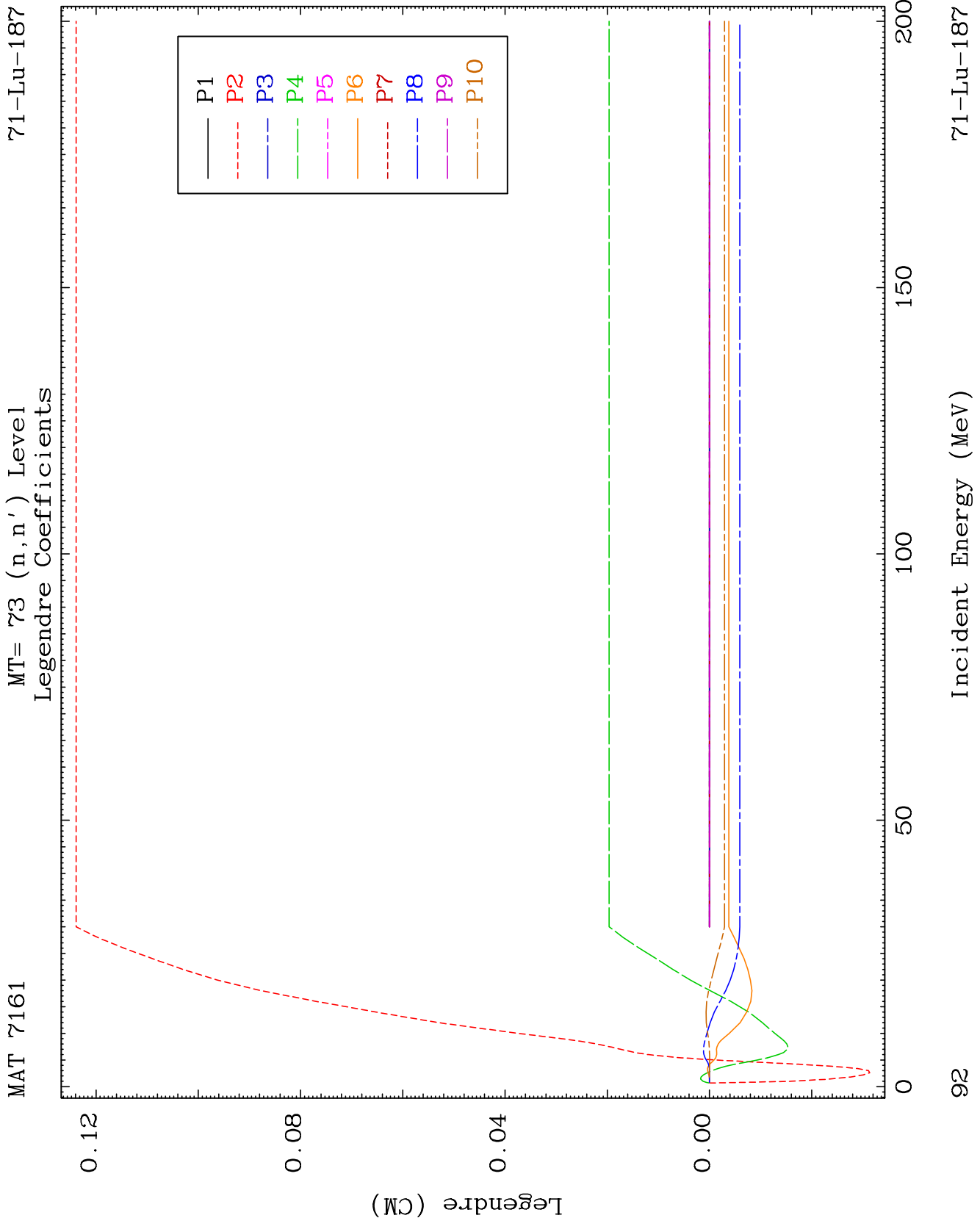








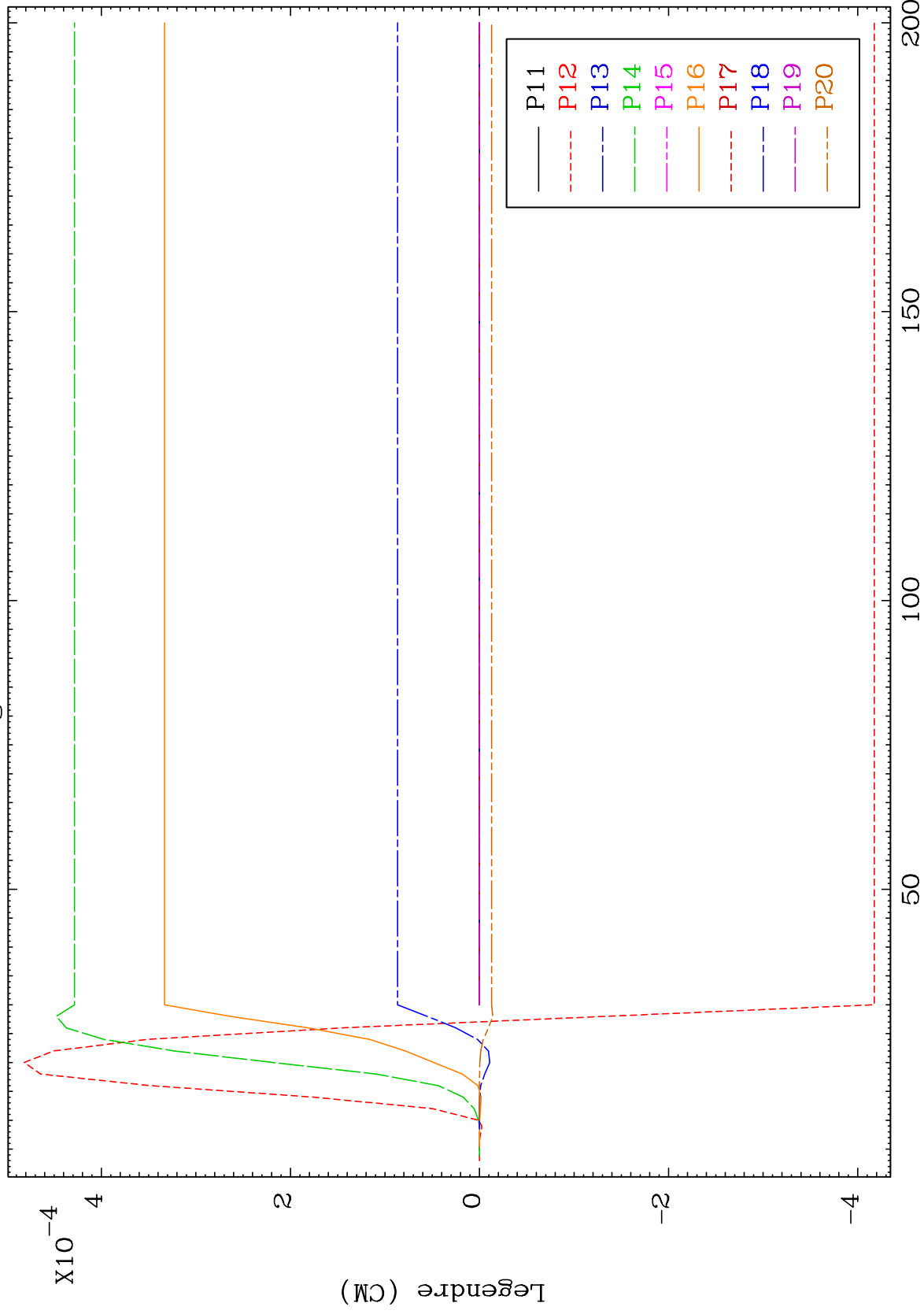




MAT 7161

MT= 73 (n,n') Level  
Legendre Coefficients

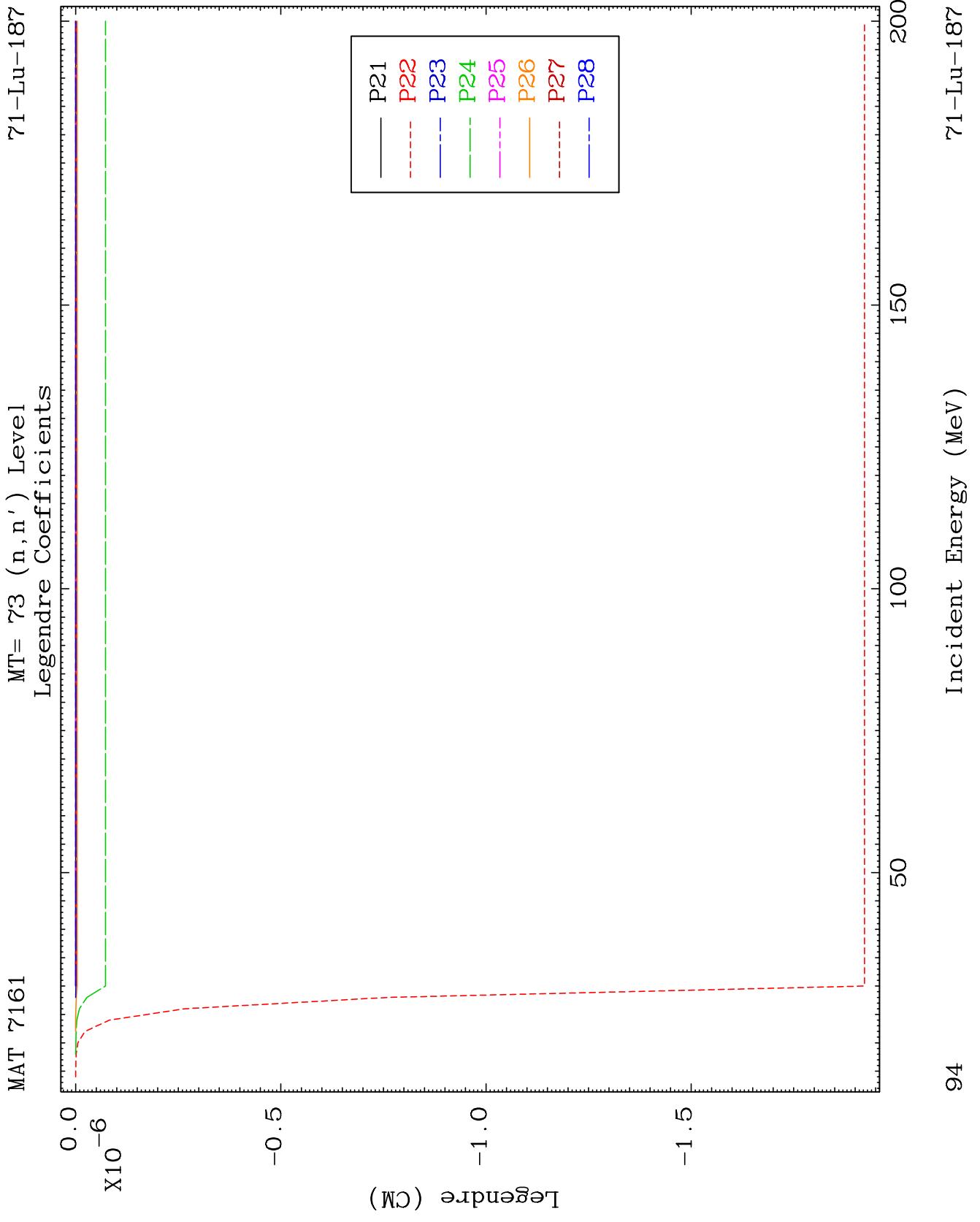
71-Lu-187

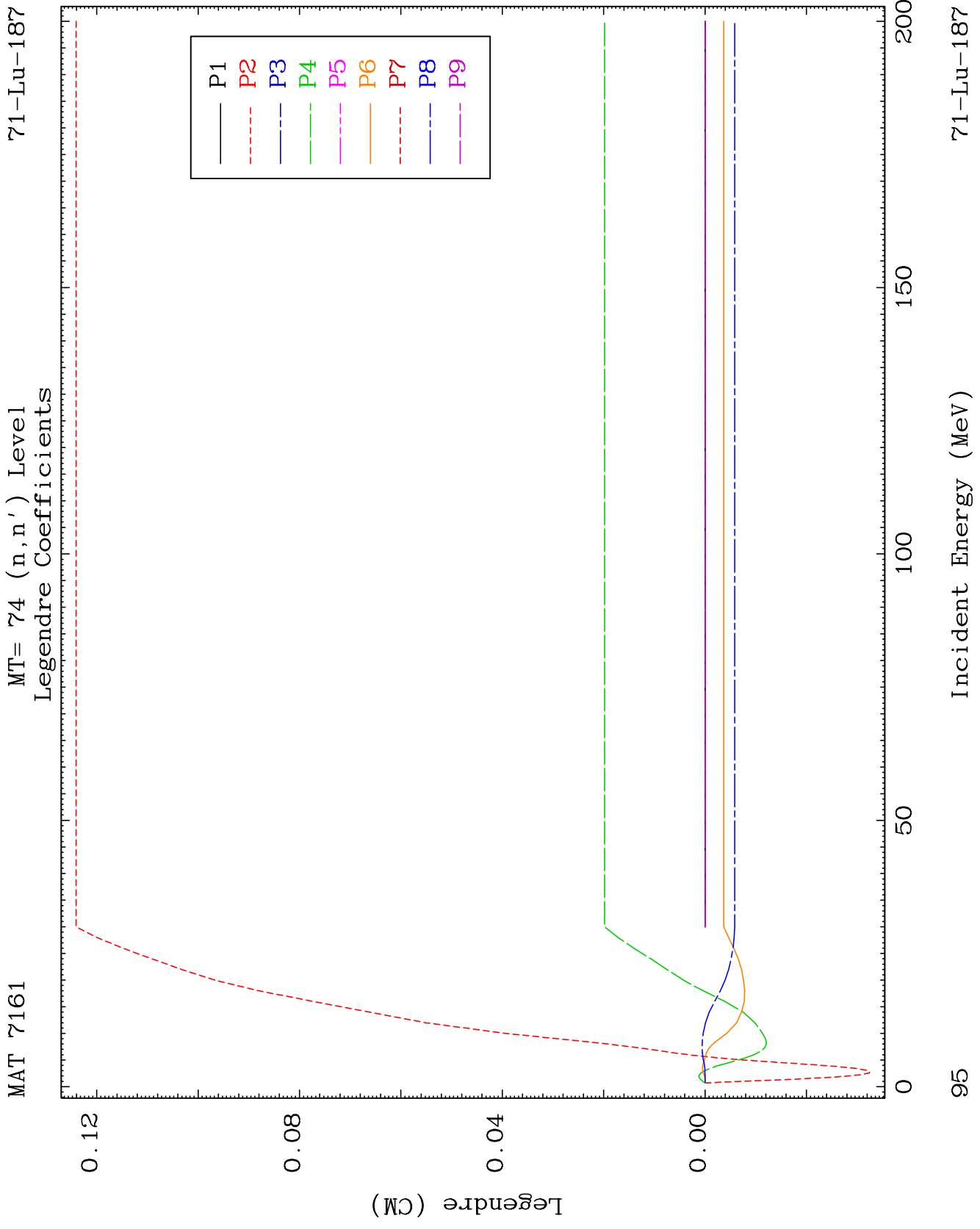


93

Incident Energy (MeV)

71-Lu-187



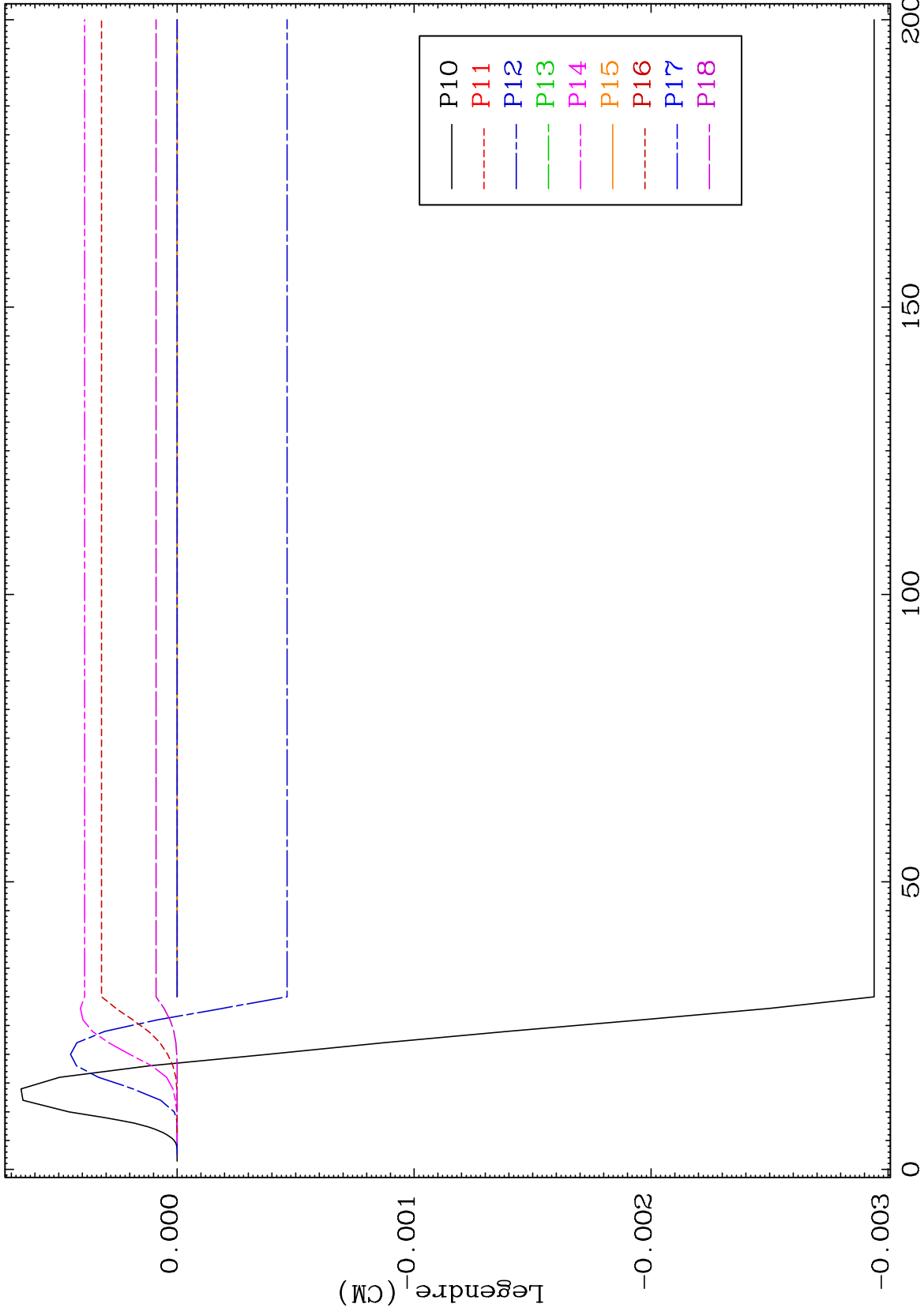




MAT 7161

MT= 74 (n,n') Level  
Legendre Coefficients

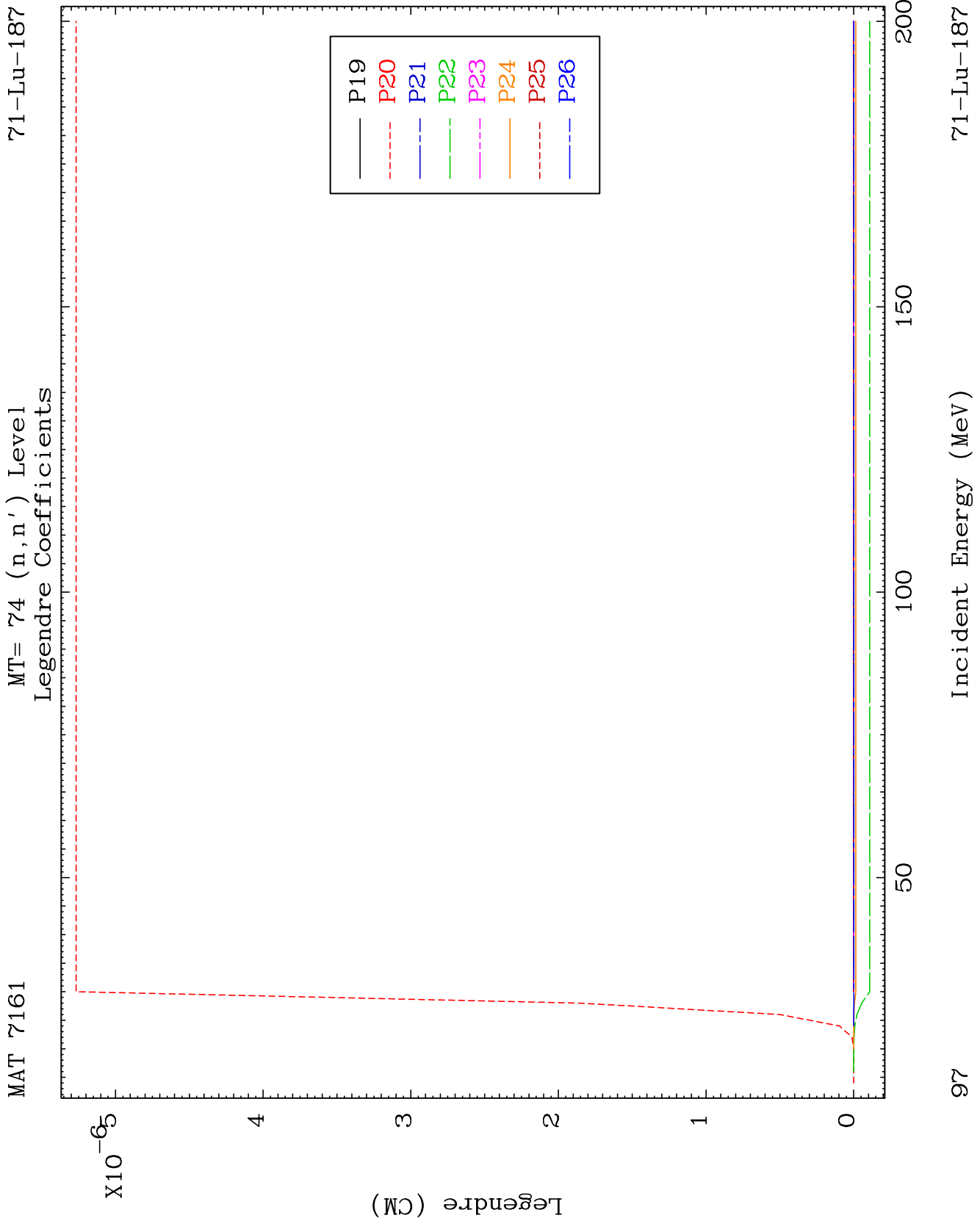
71-Lu-187



96

Incident Energy (MeV)

71-Lu-187

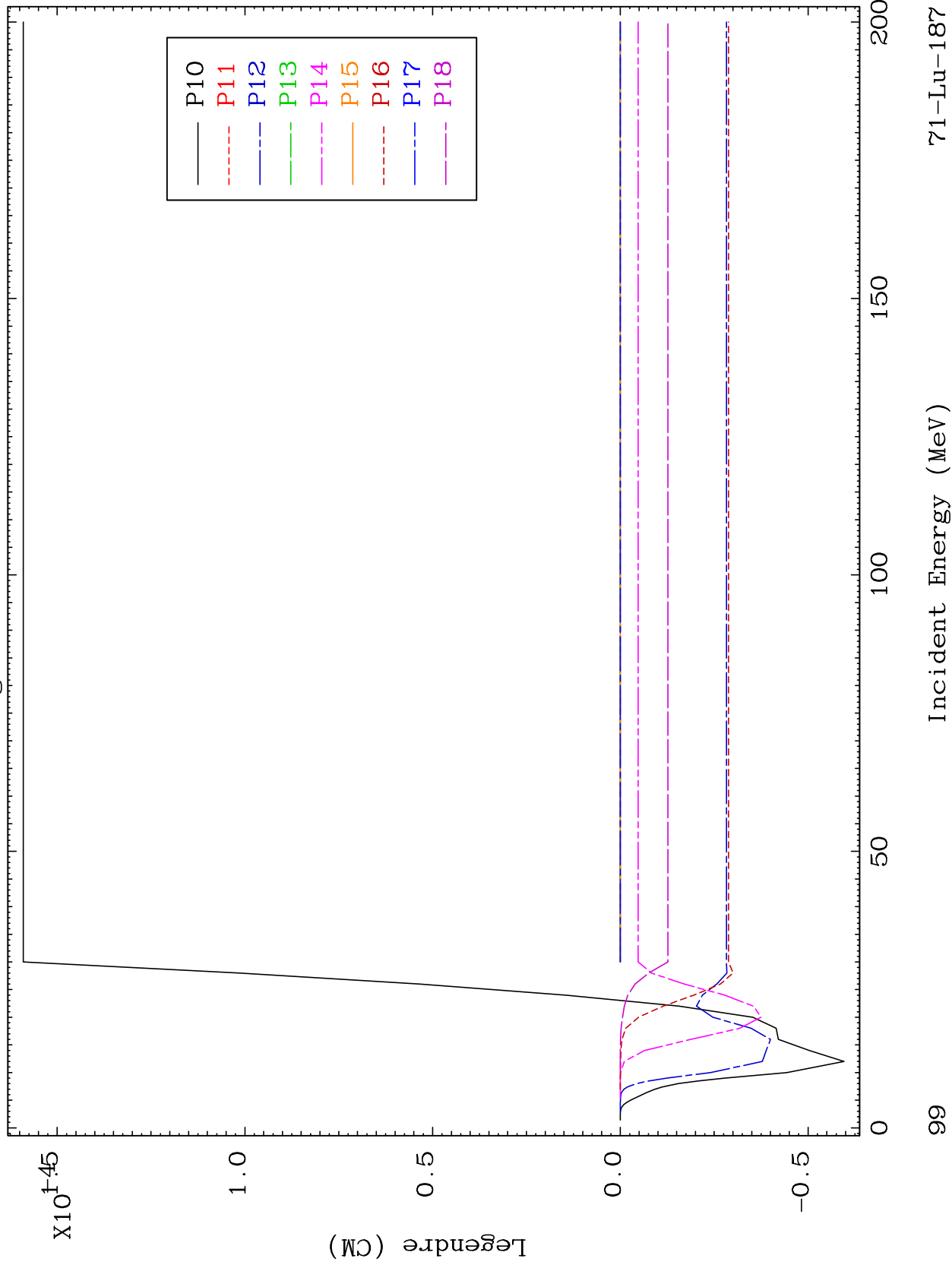




MAT 7161

MT= 75 (n,n') Level  
Legendre Coefficients

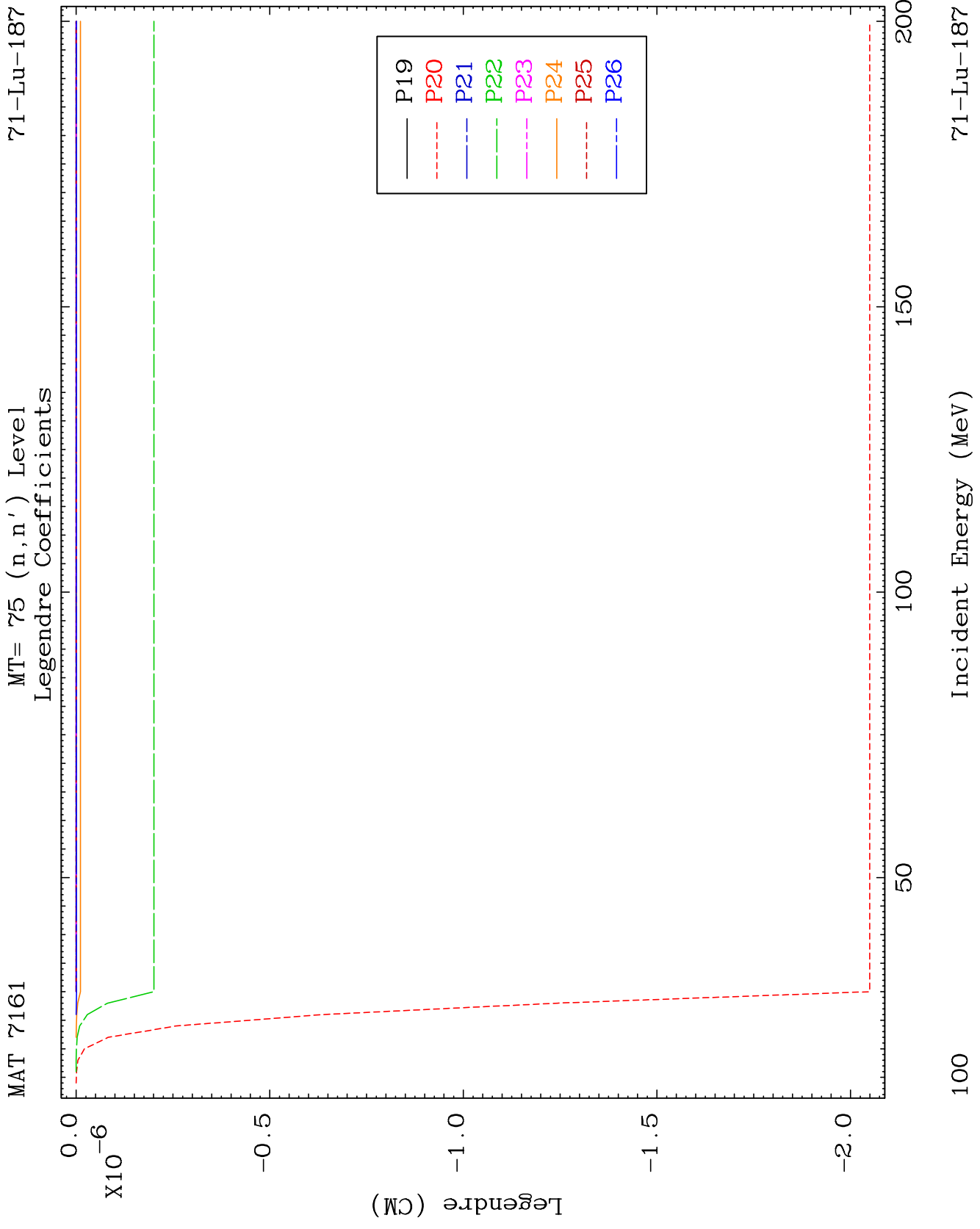
71-Lu-187



71-Lu-187

Incident Energy (MeV)

99

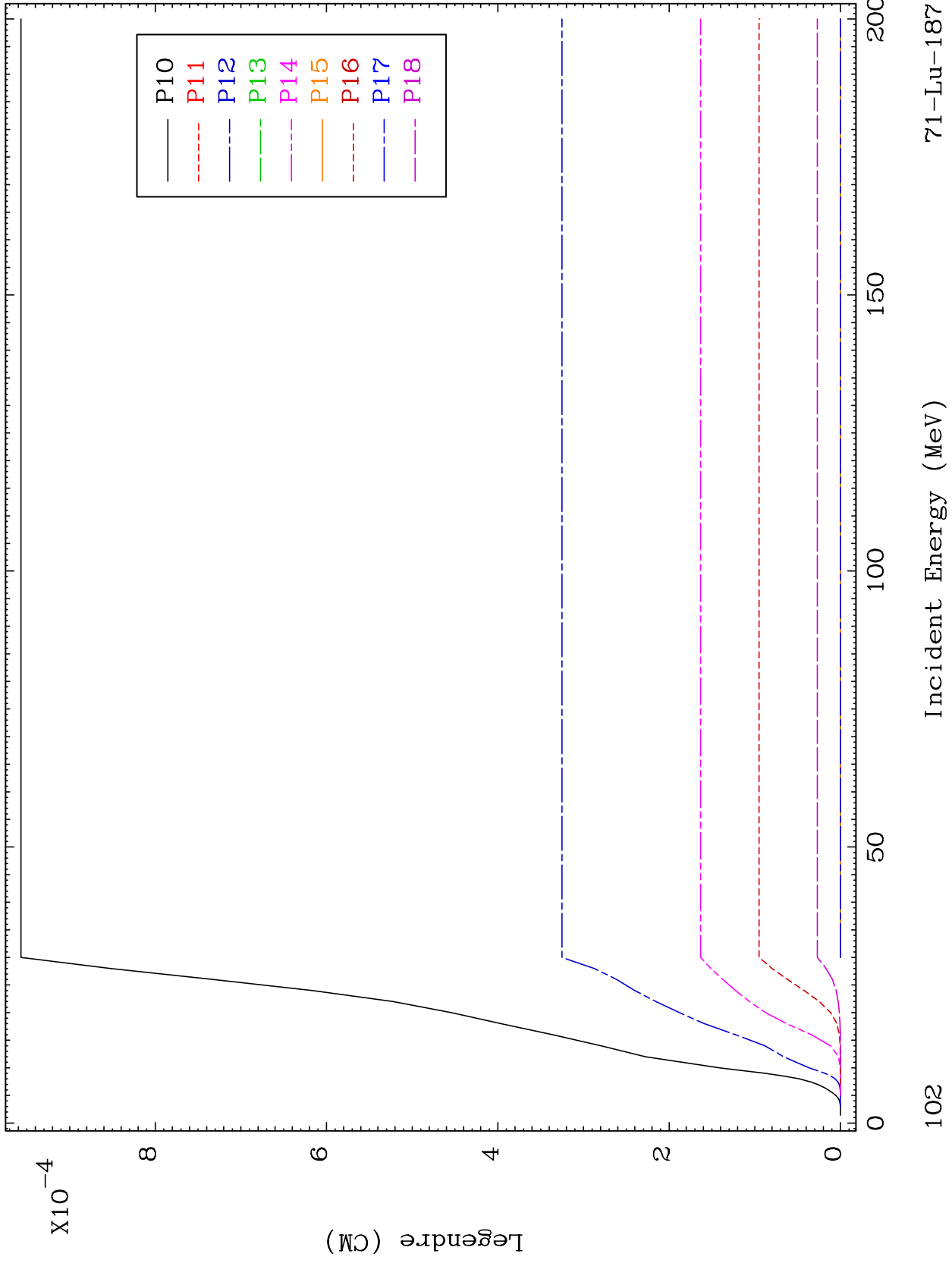


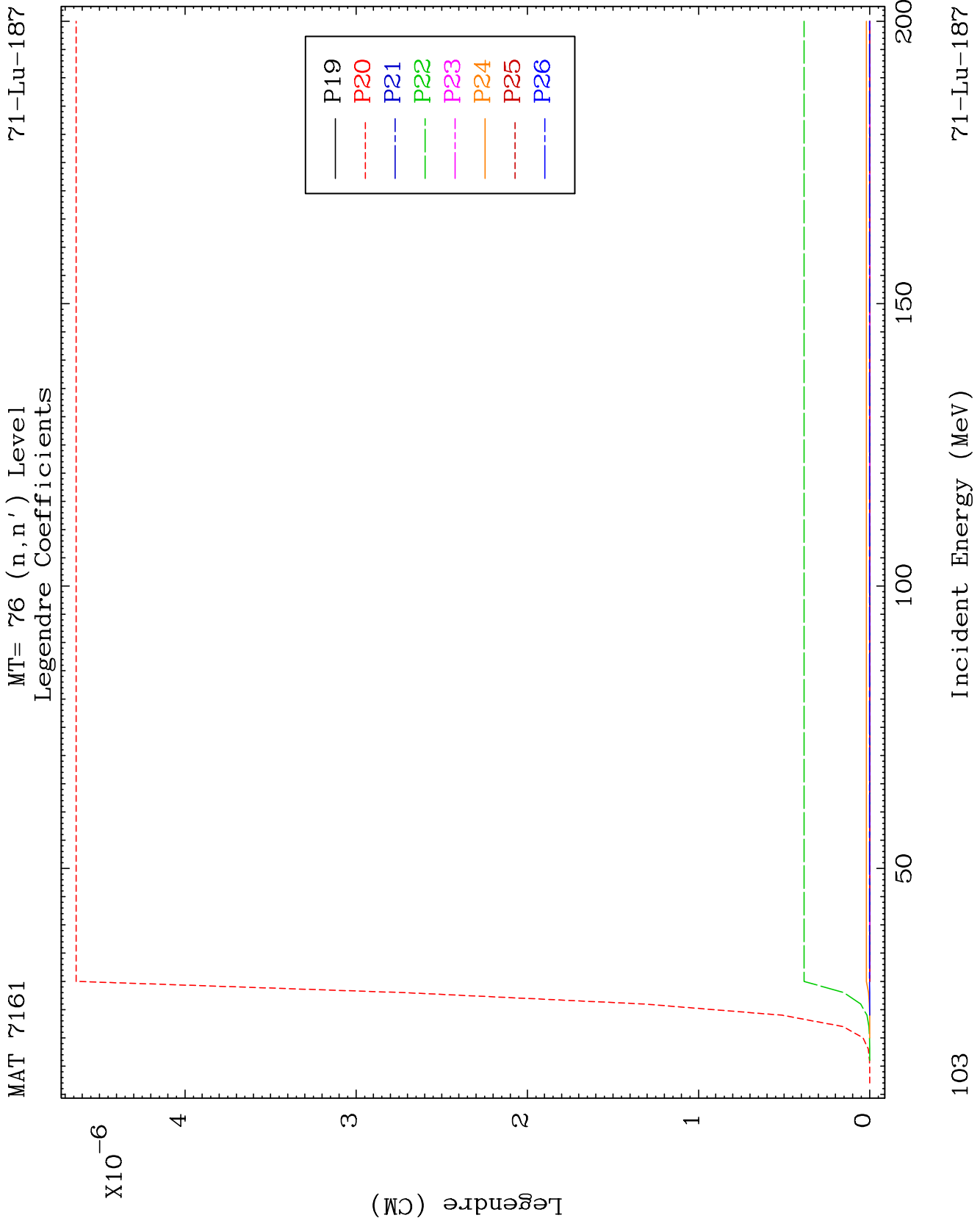


MAT 7161

MT= 76 (n,n') Level  
Legendre Coefficients

71-Lu-187



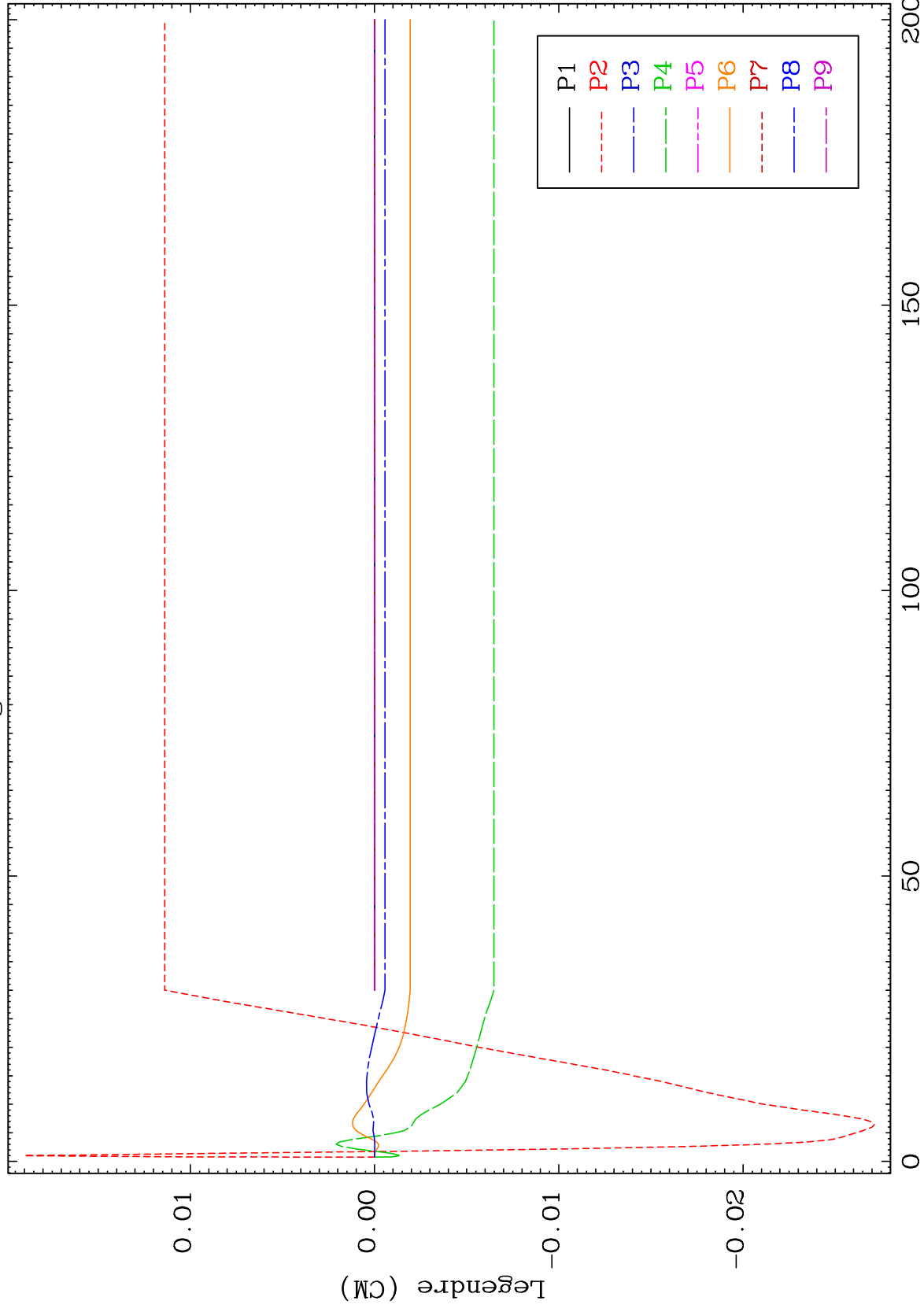




MAT 7161

MT= 77 (n,n') Level  
Legendre Coefficients

71-Lu-187



71-Lu-187

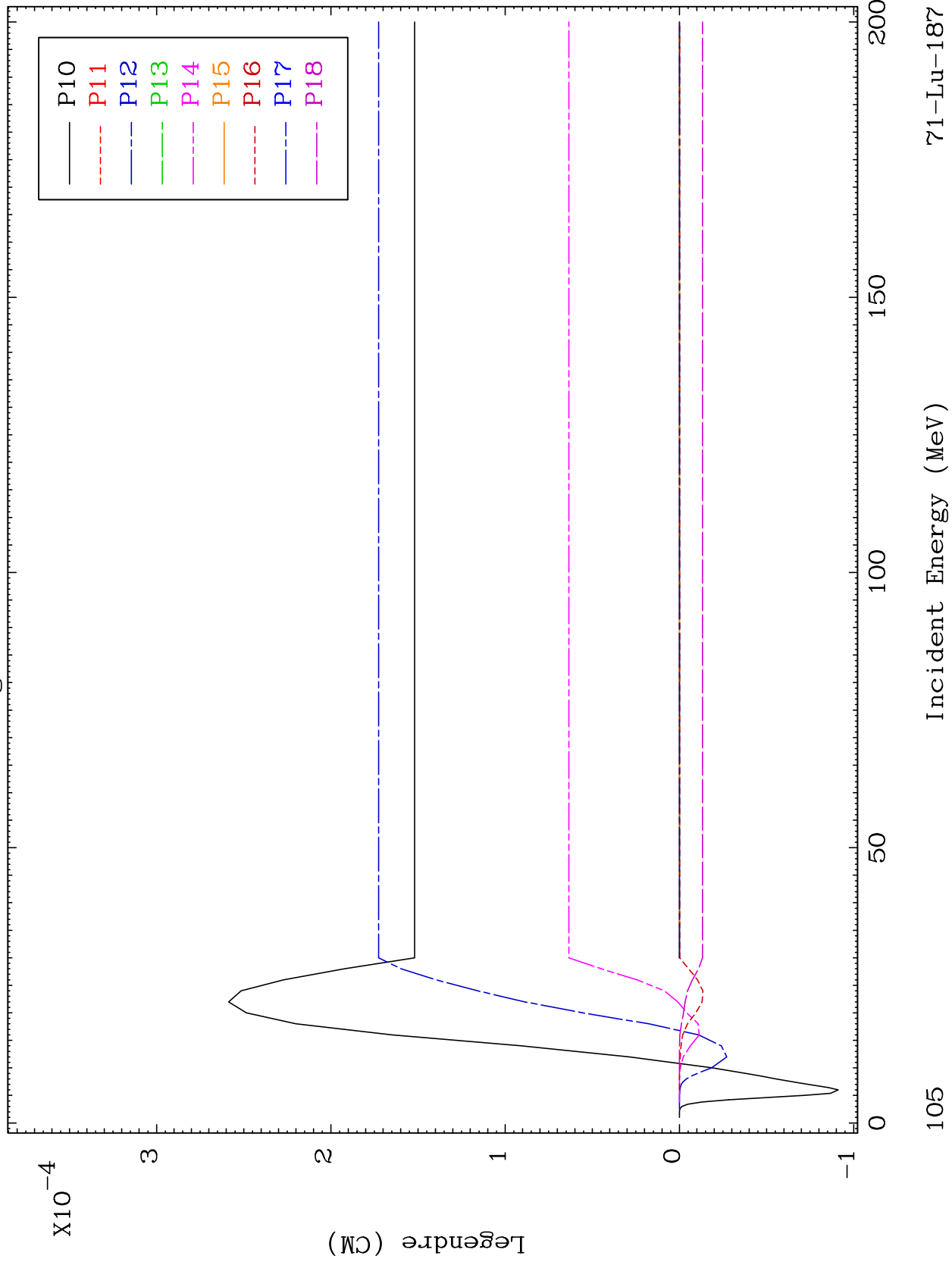
Incident Energy (MeV)

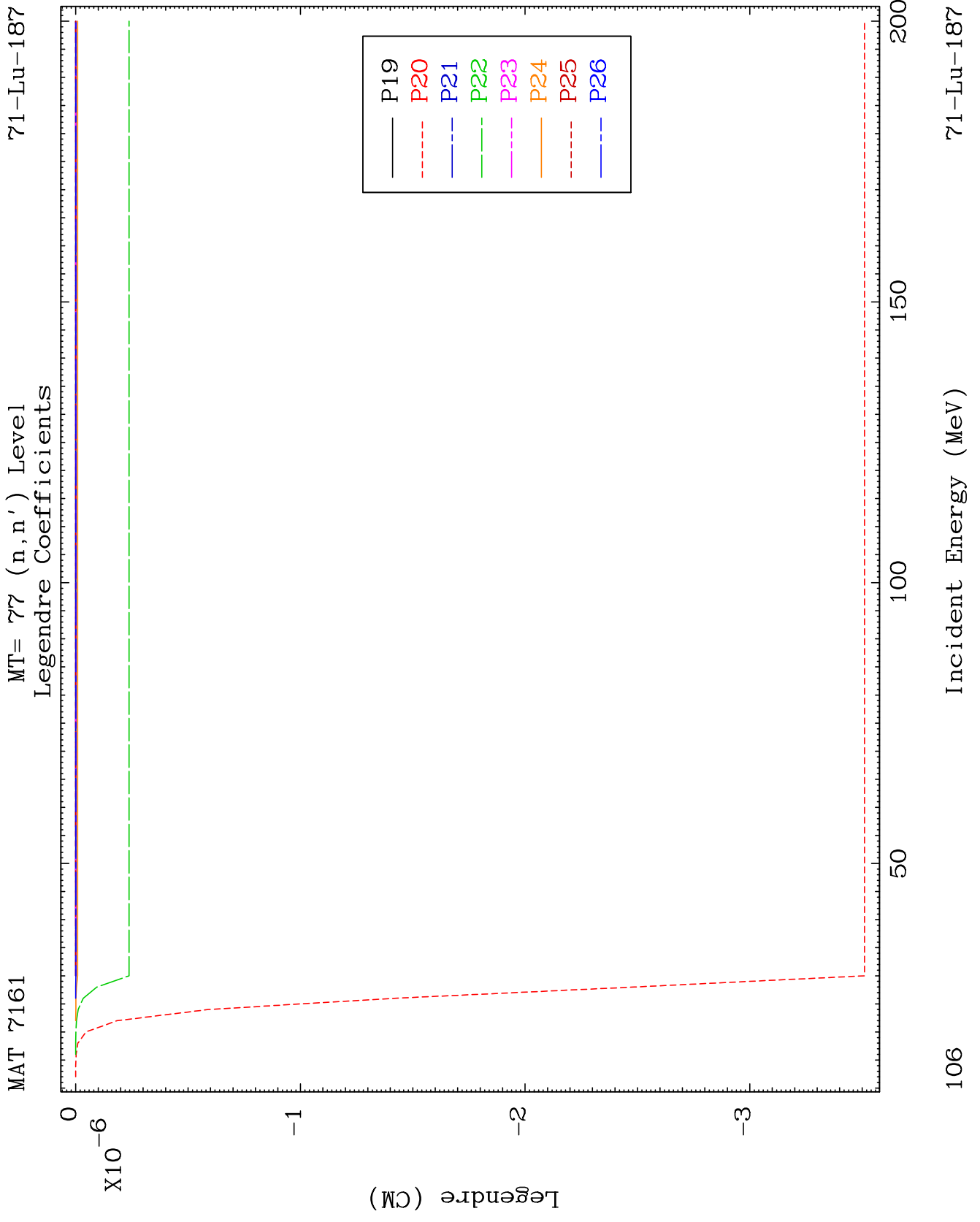
104

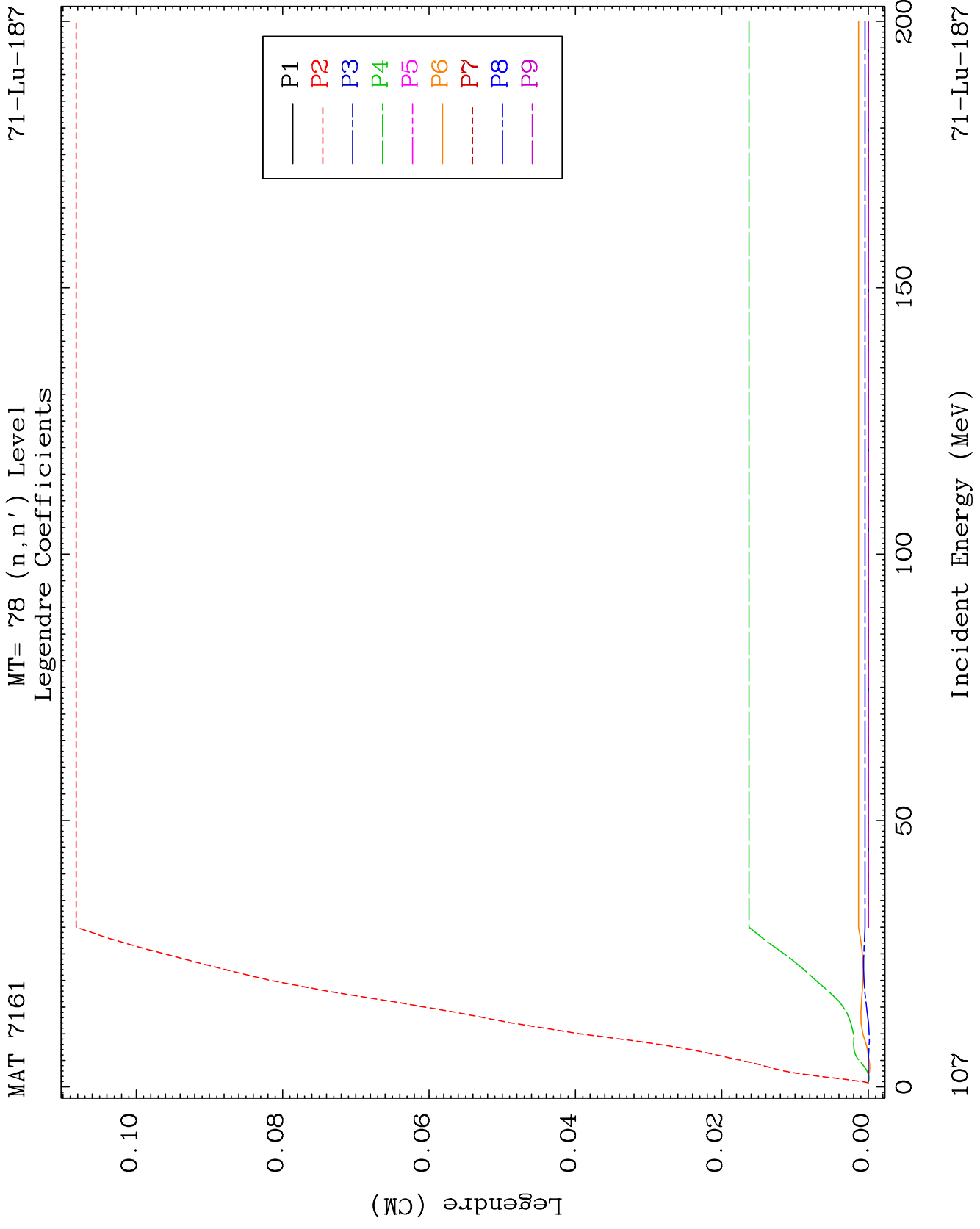
MAT 7161

MT= 77 (n,n') Level  
Legendre Coefficients

71-Lu-187



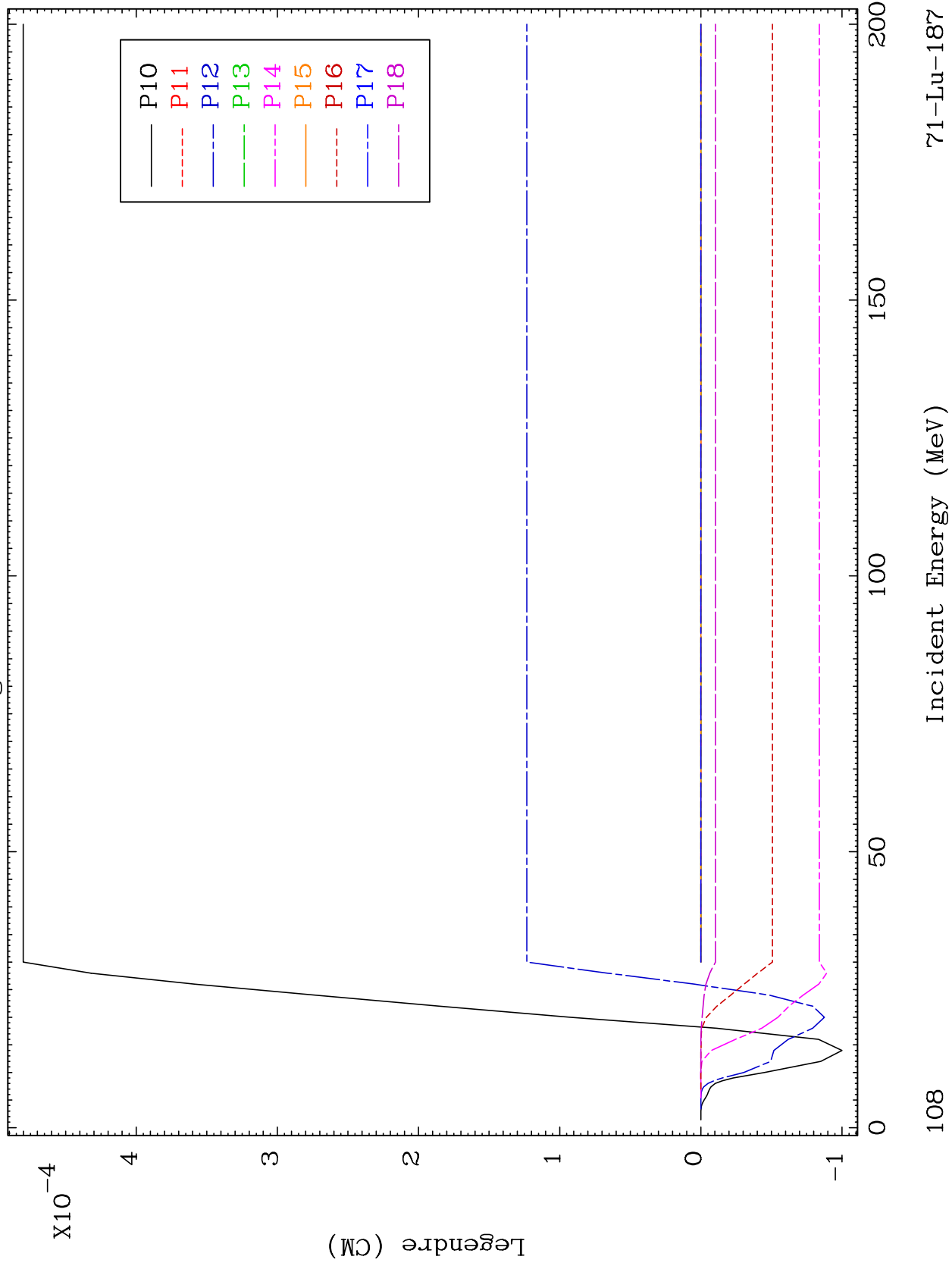


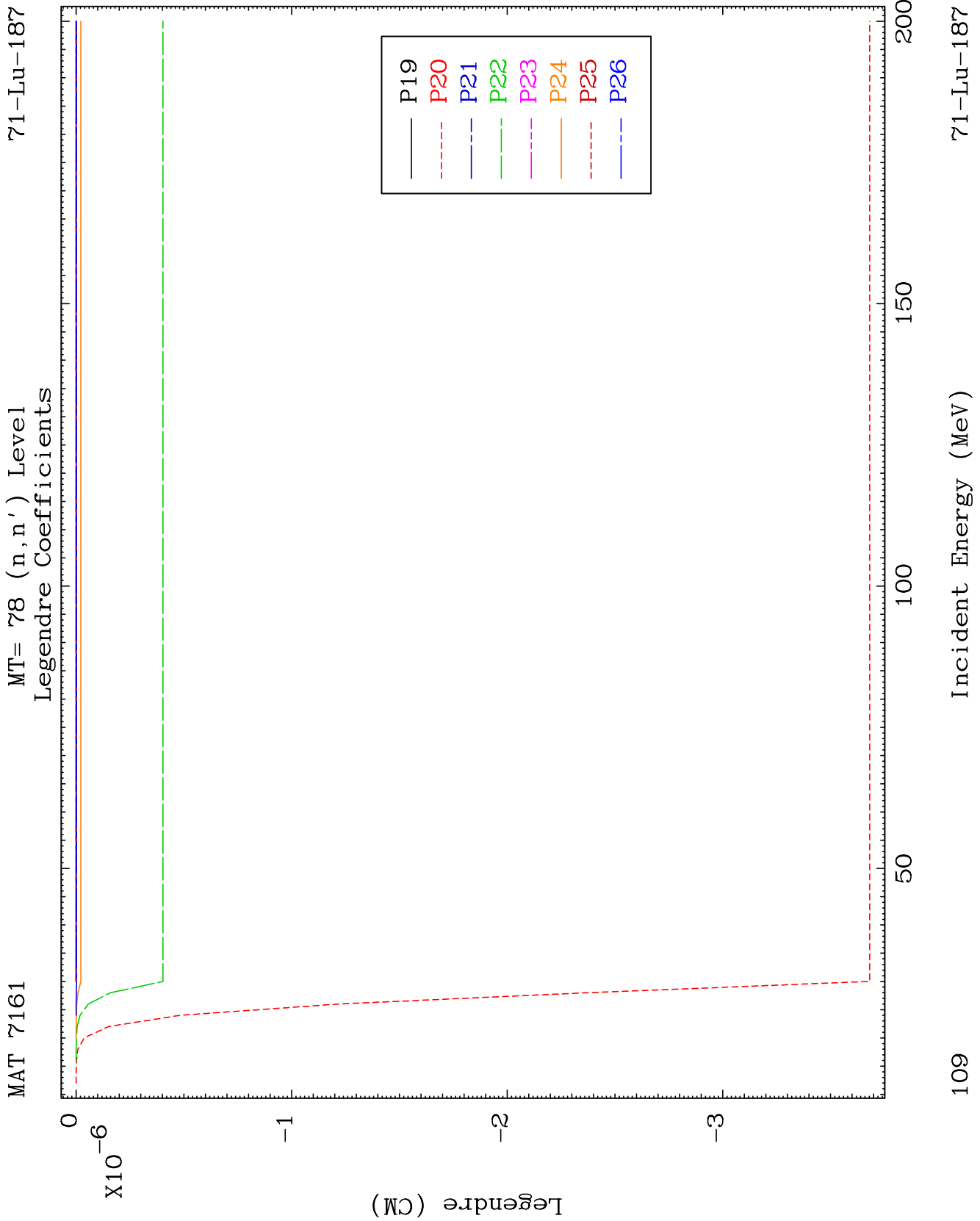


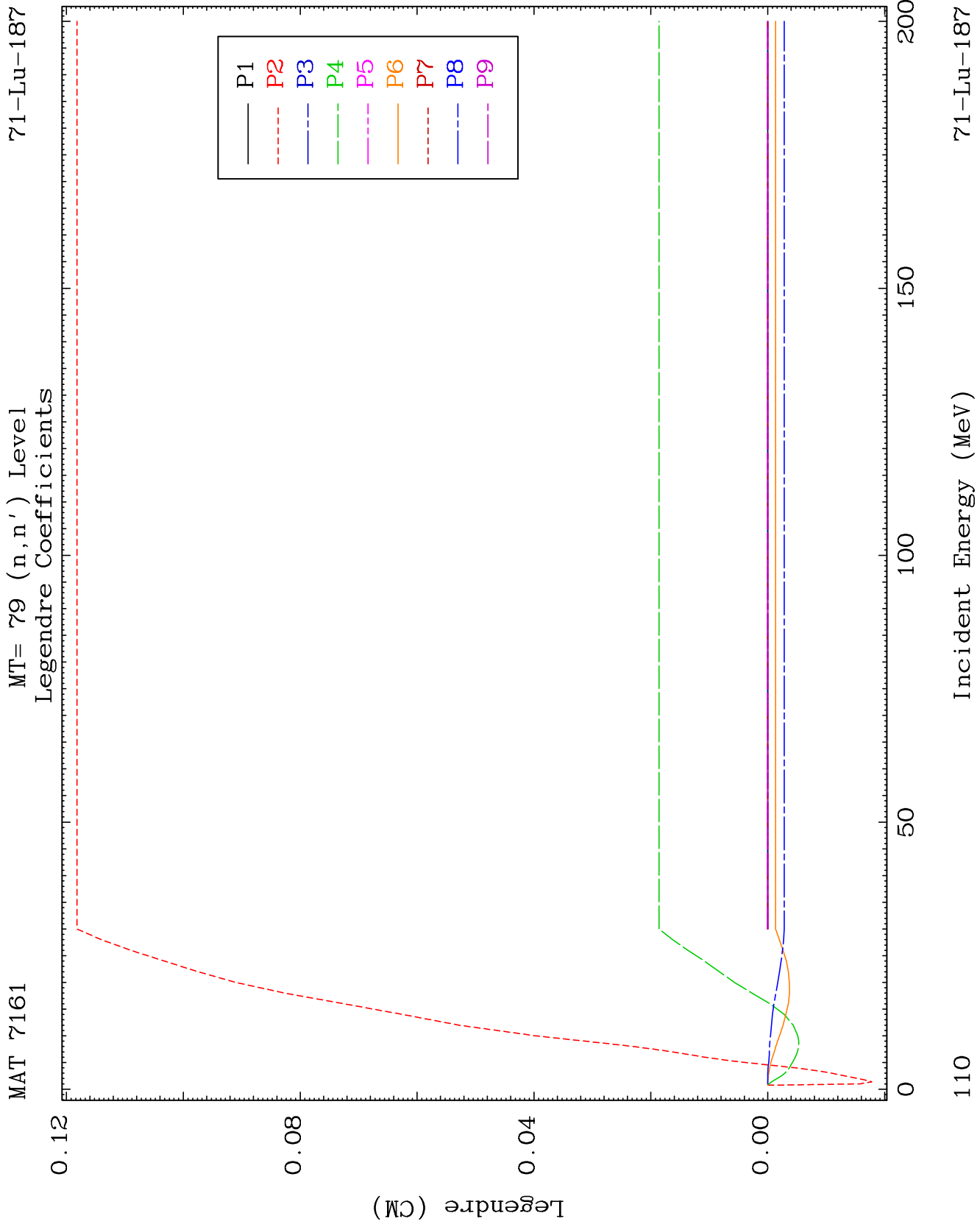
MAT 7161

MT= 78 (n,n') Level  
Legendre Coefficients

71-Lu-187



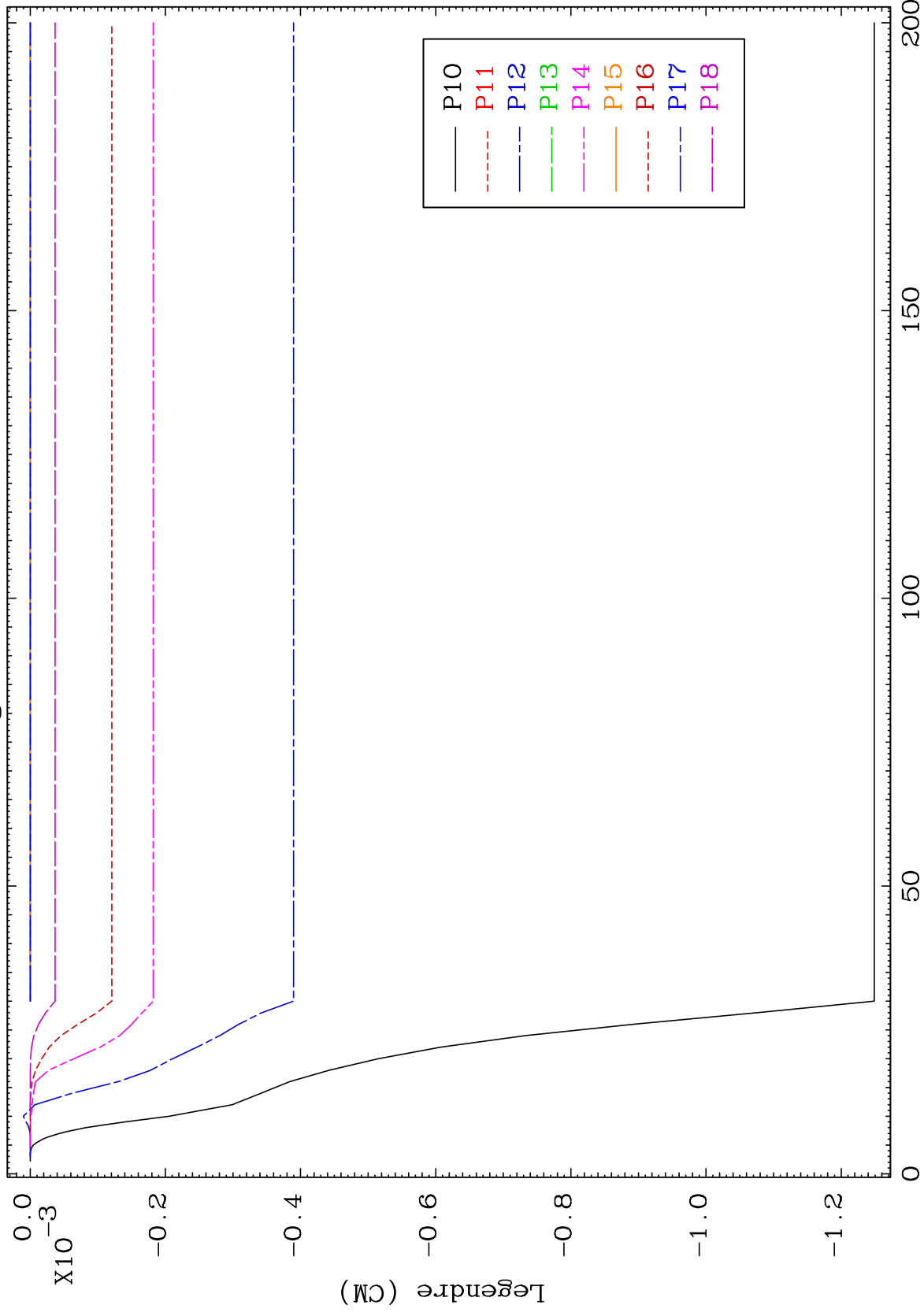




MAT 7161

MT= 79 (n,n') Level  
Legendre Coefficients

71-Lu-187



111

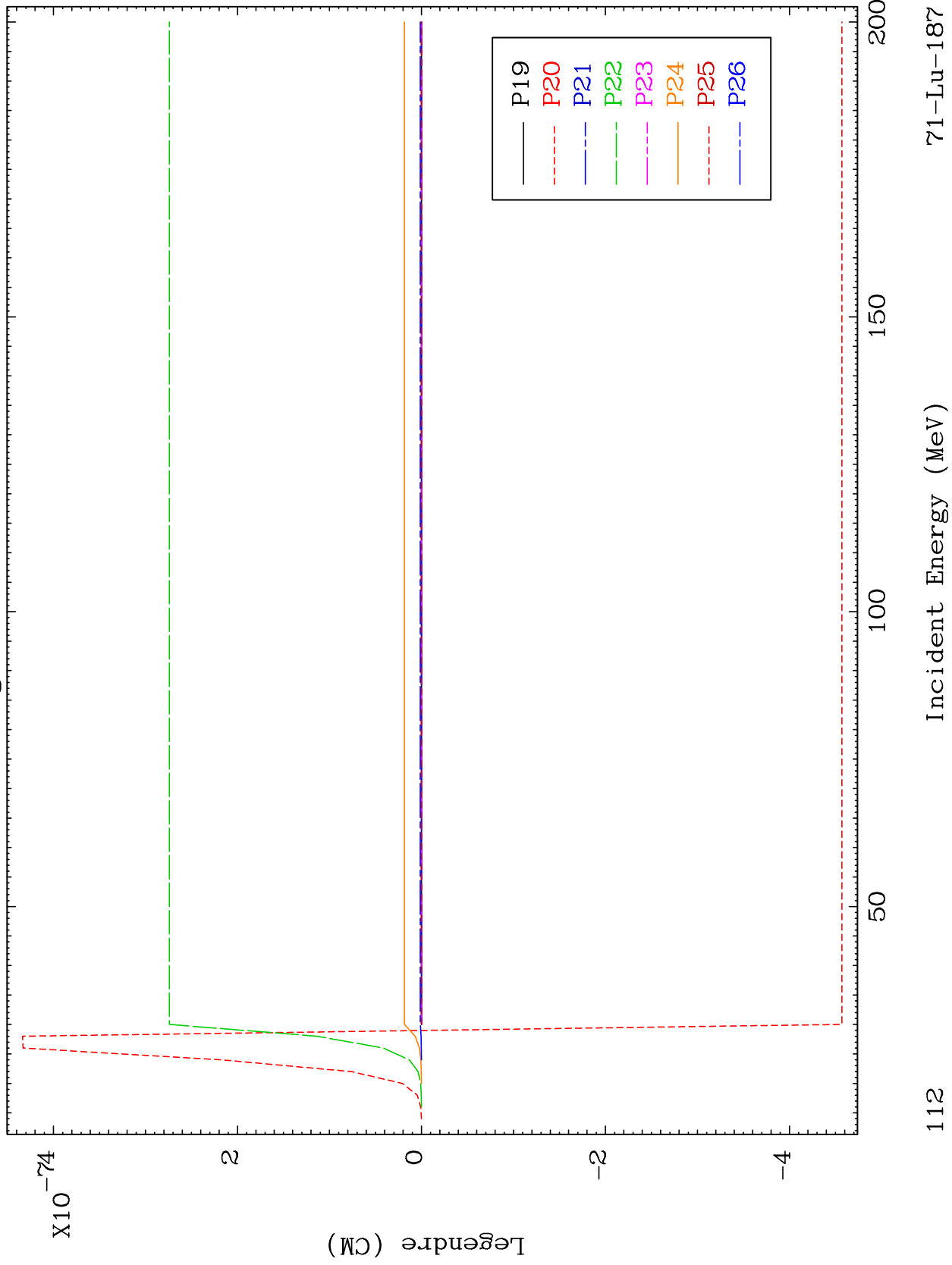
71-Lu-187



MAT 7161

MT= 79 (n,n') Level  
Legendre Coefficients

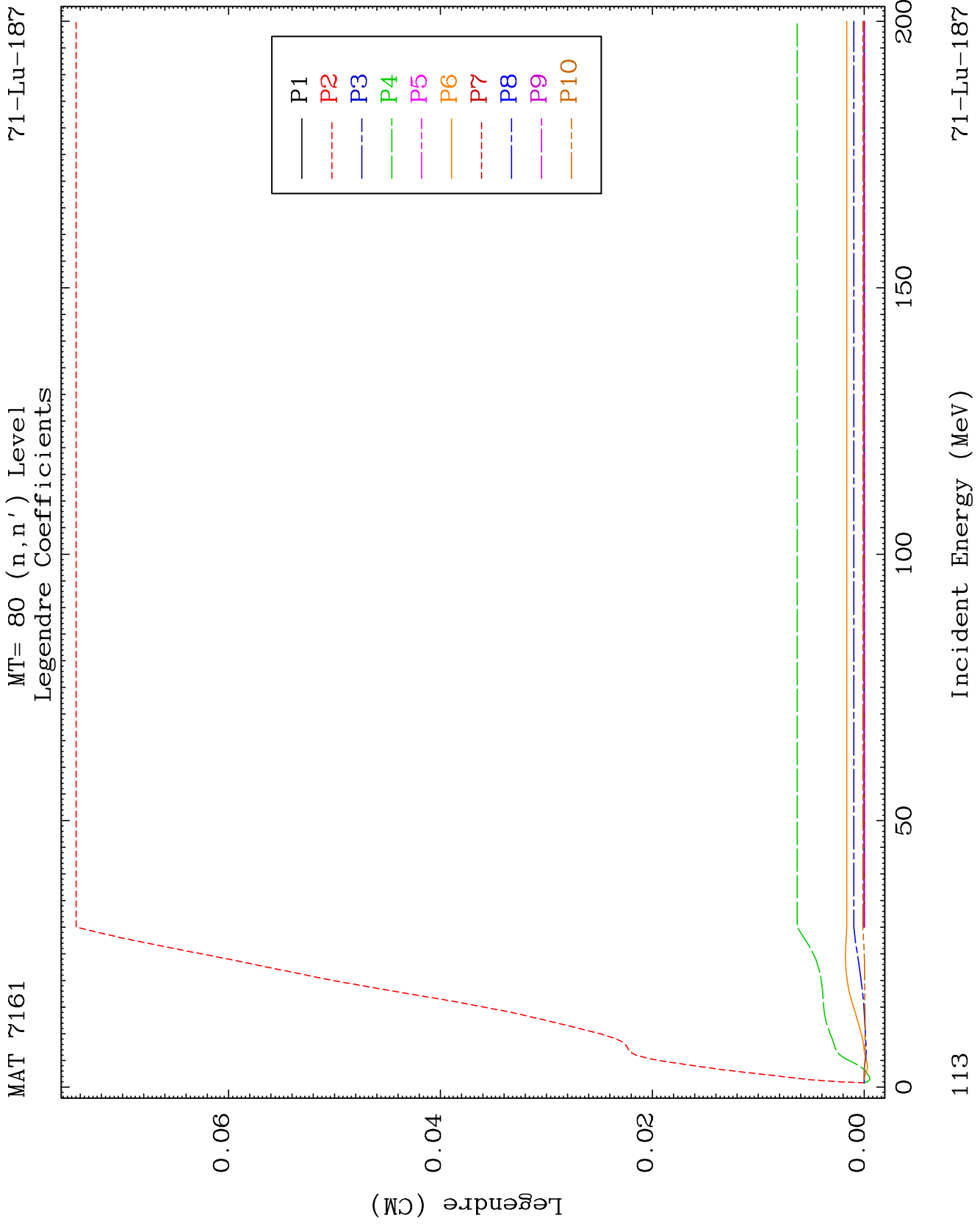
71-Lu-187



112

Incident Energy (MeV)

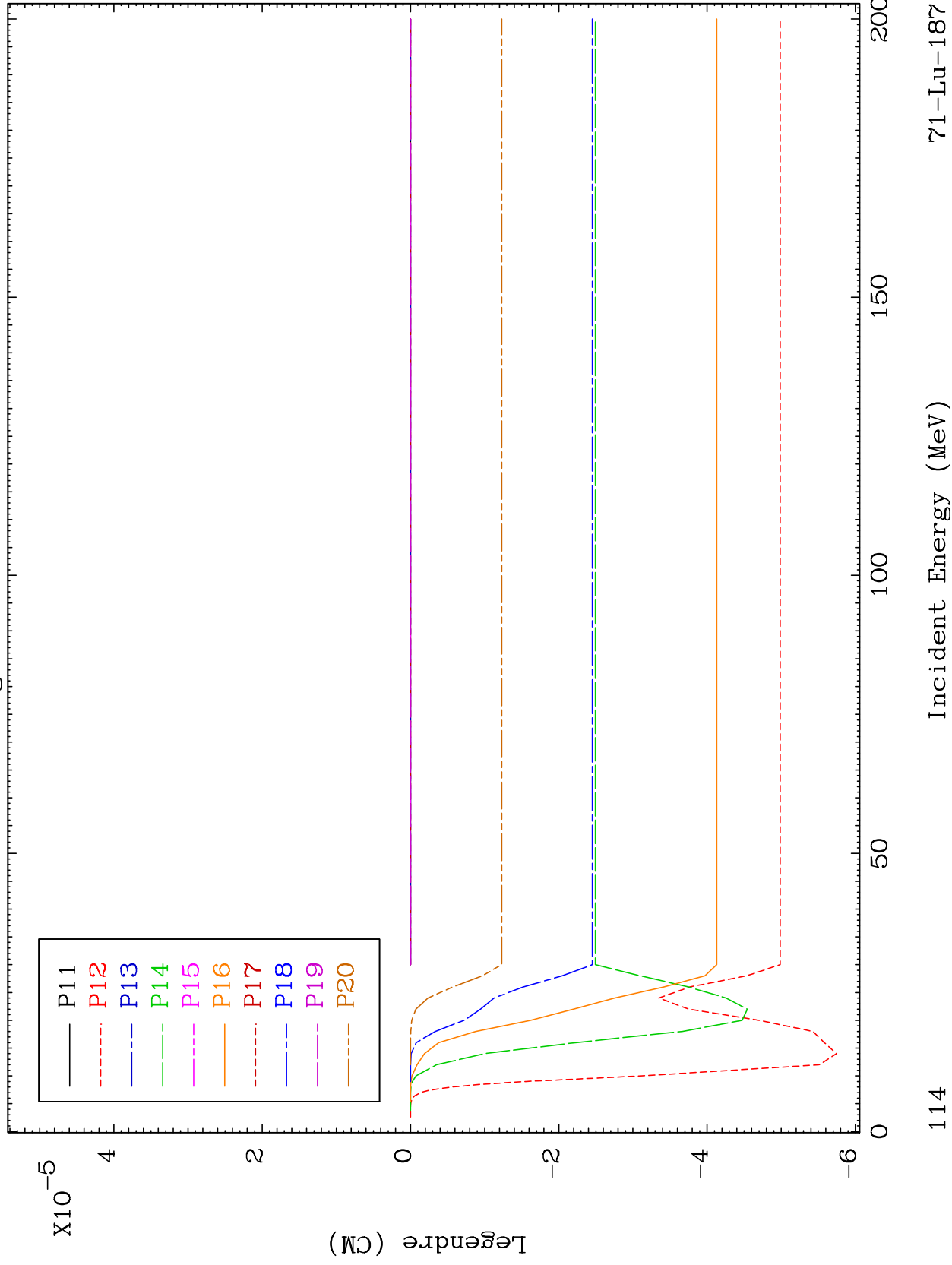
71-Lu-187



MAT 7161

MT= 80 (n,n') Level  
Legendre Coefficients

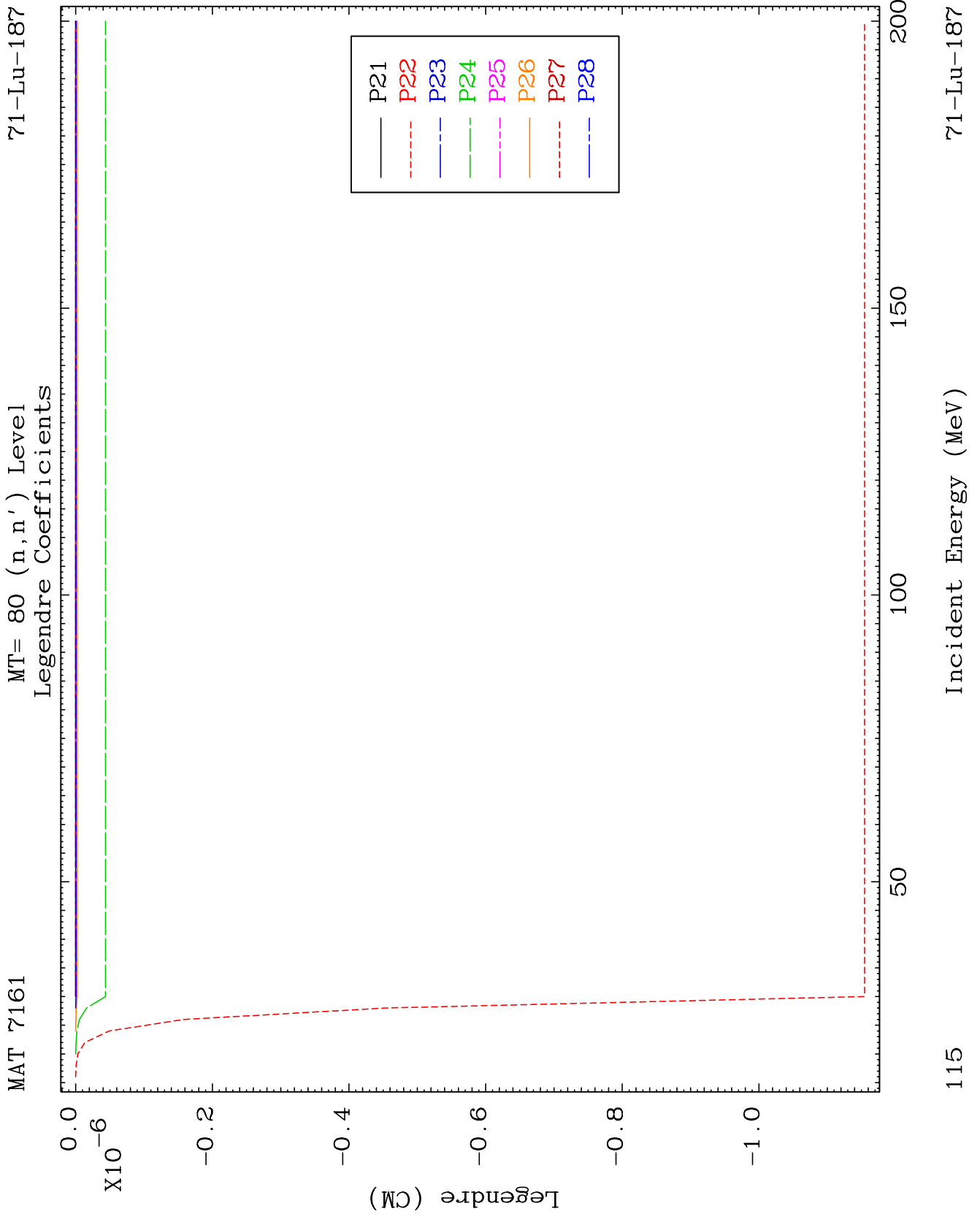
71-Lu-187



114

Incident Energy (MeV)

71-Lu-187



MAT 7161

Fission

71-Lu-187

Radionuclide Production Cross Section

