

Program EVALPLOT  
(Version 2018-1)

by

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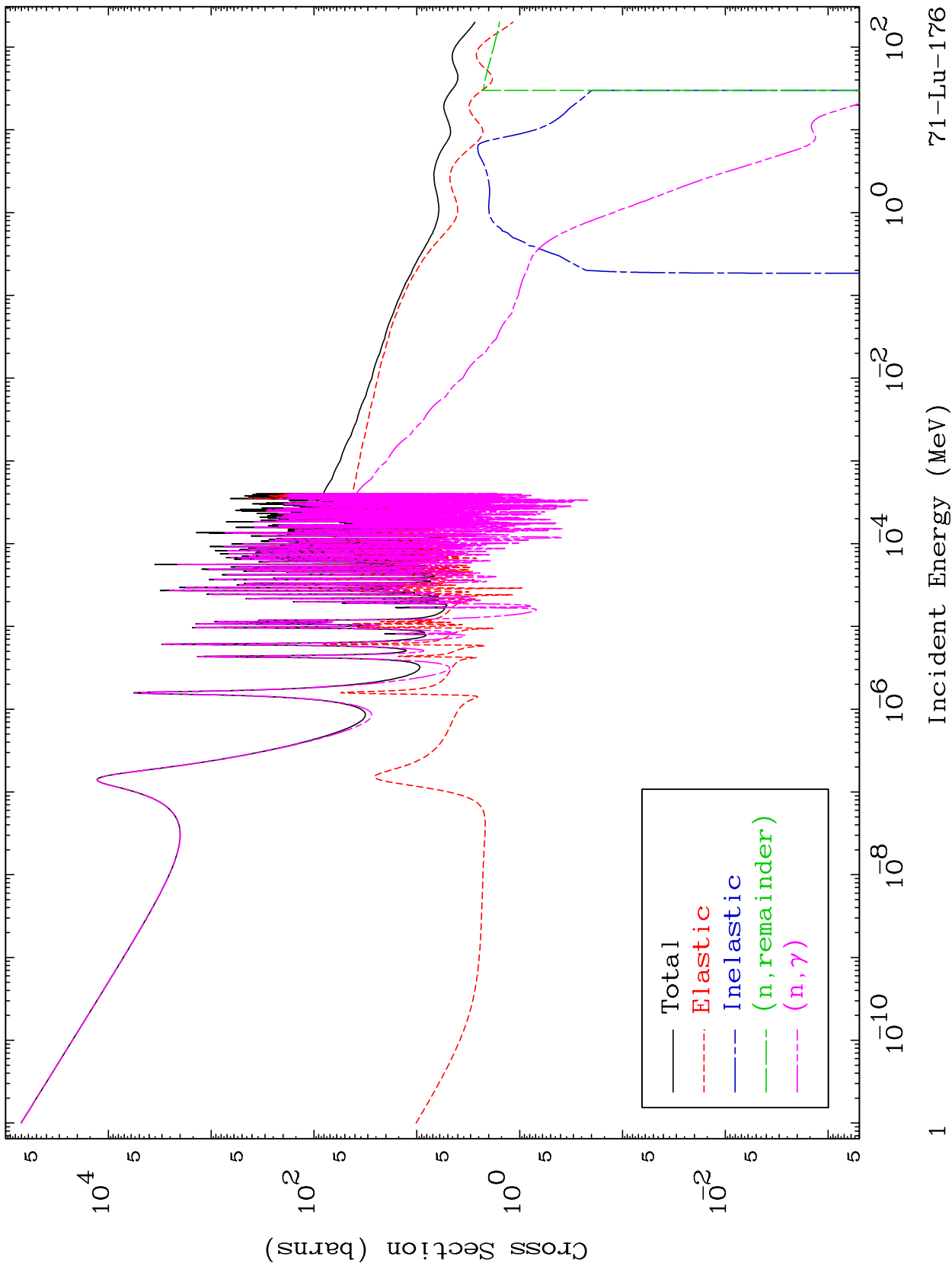
Press Mouse Button to Start

MAT 7128

Major

293 Kelvin Cross Sections

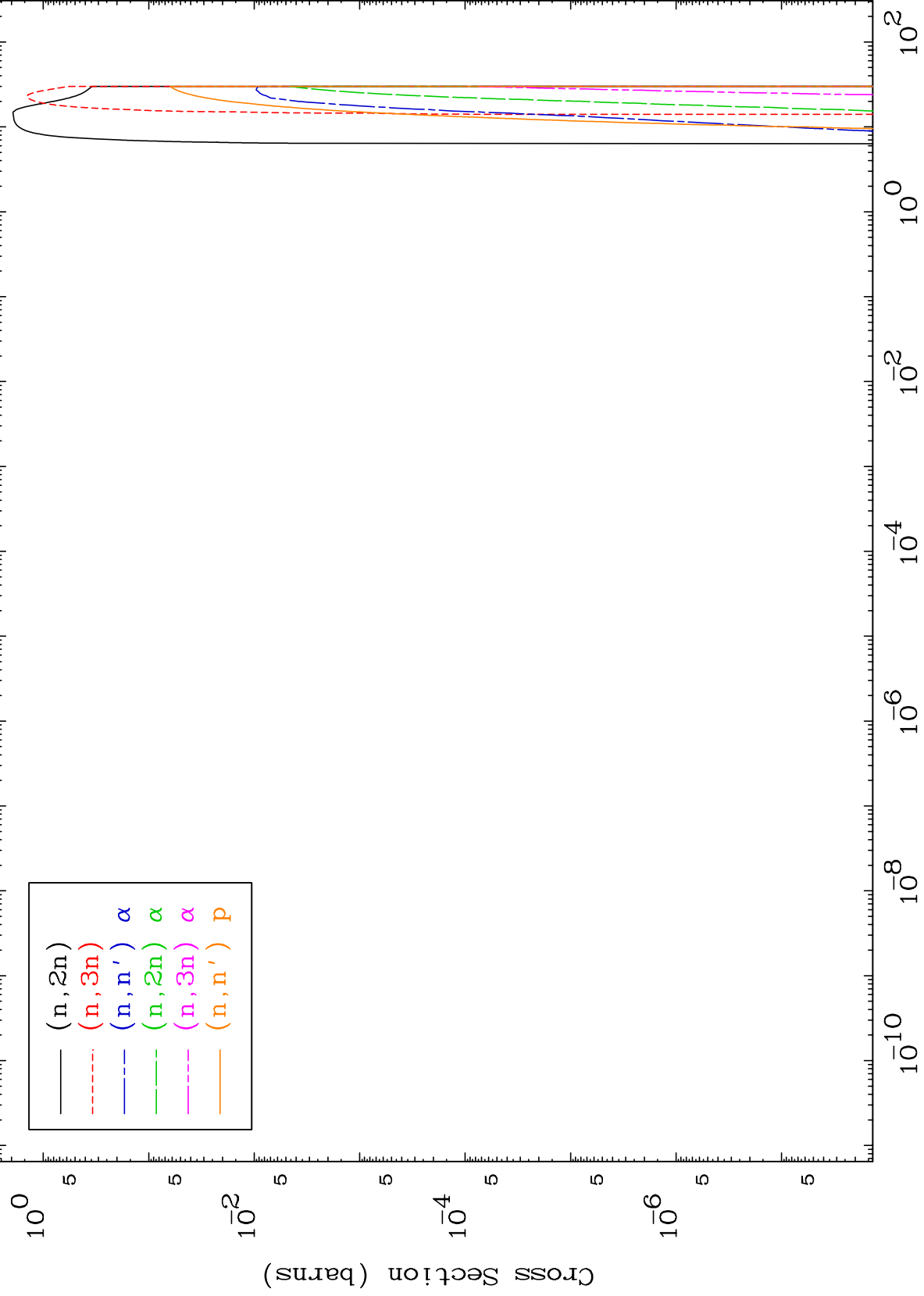
71-Lu-176



MAT 7128

Neutron Production  
293 Kelvin Cross Sections

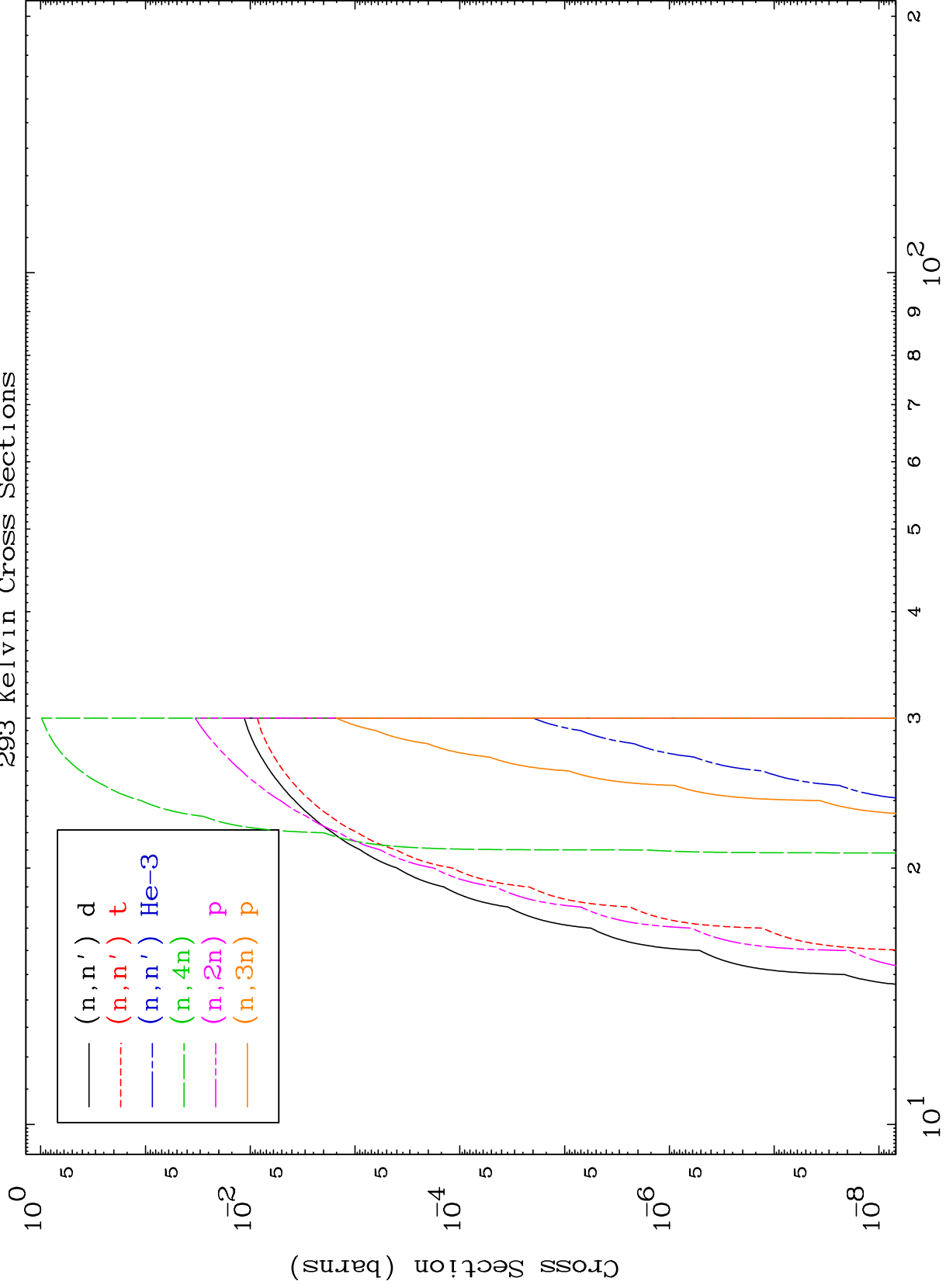
71-Lu-176



MAT 7128

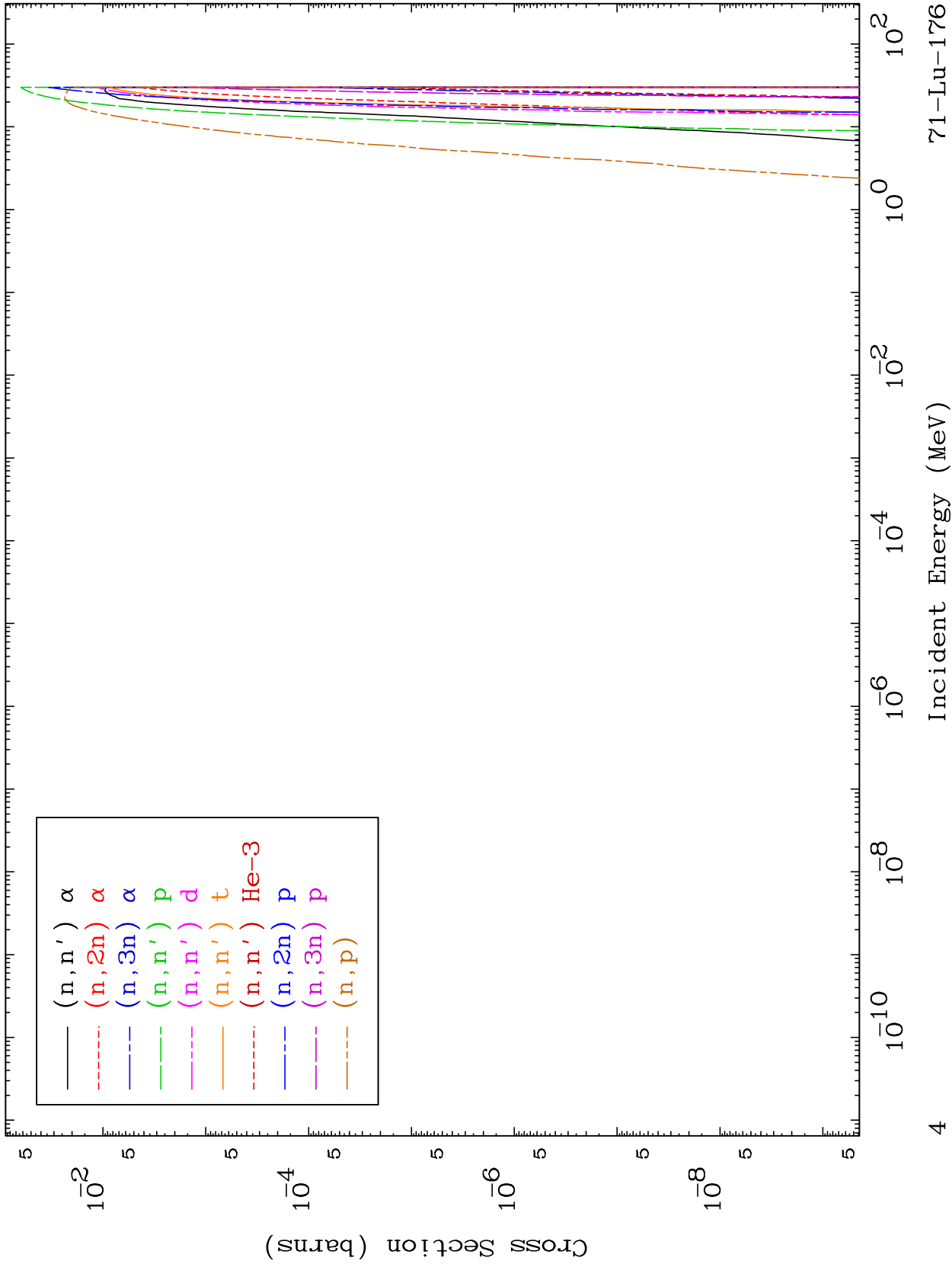
Neutron Production  
293 Kelvin Cross Sections

71-Lu-176



Incident Energy (MeV)

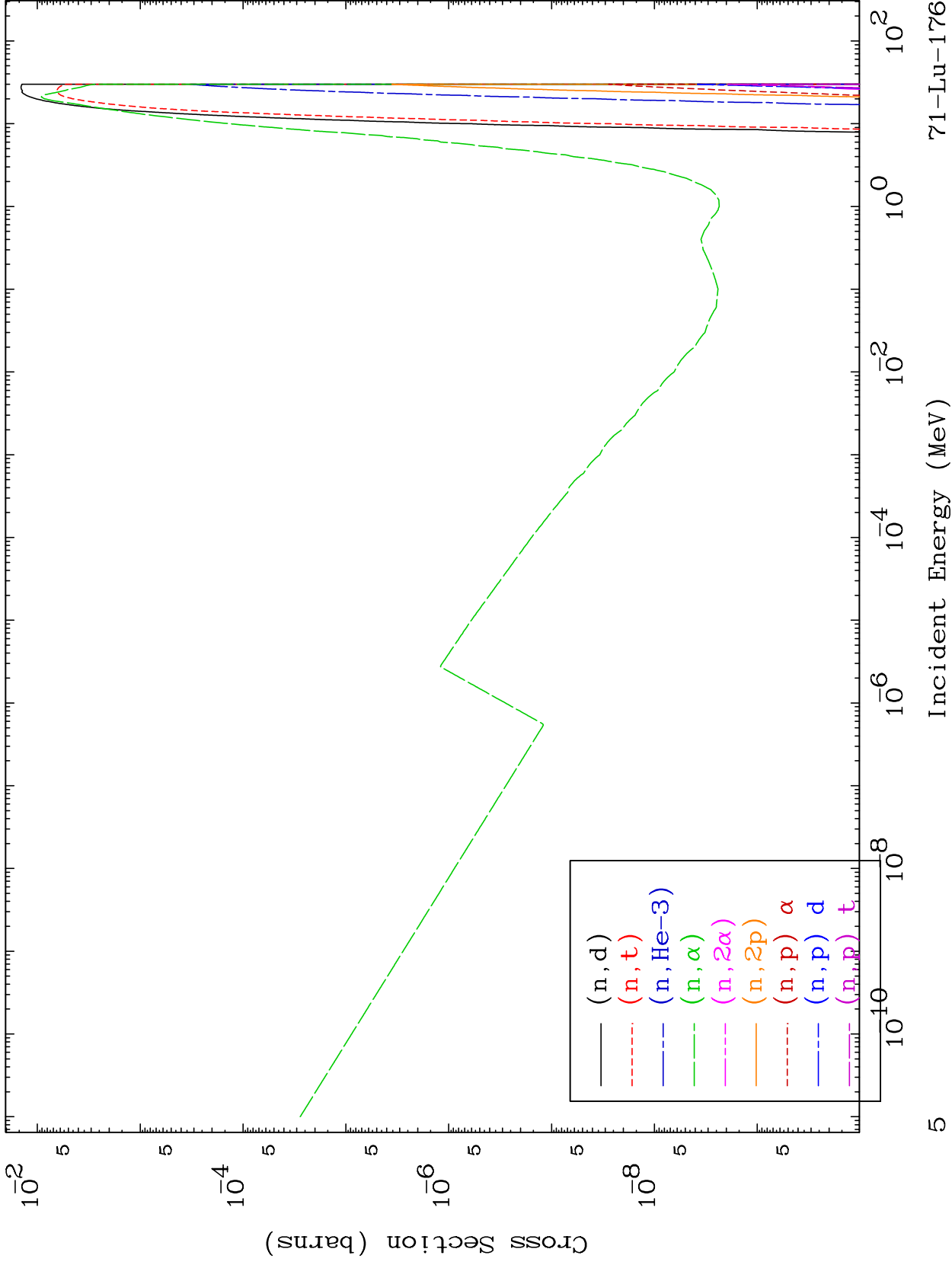
71-Lu-176



MAT 7128

Charged Particle  
293 Kelvin Cross Sections

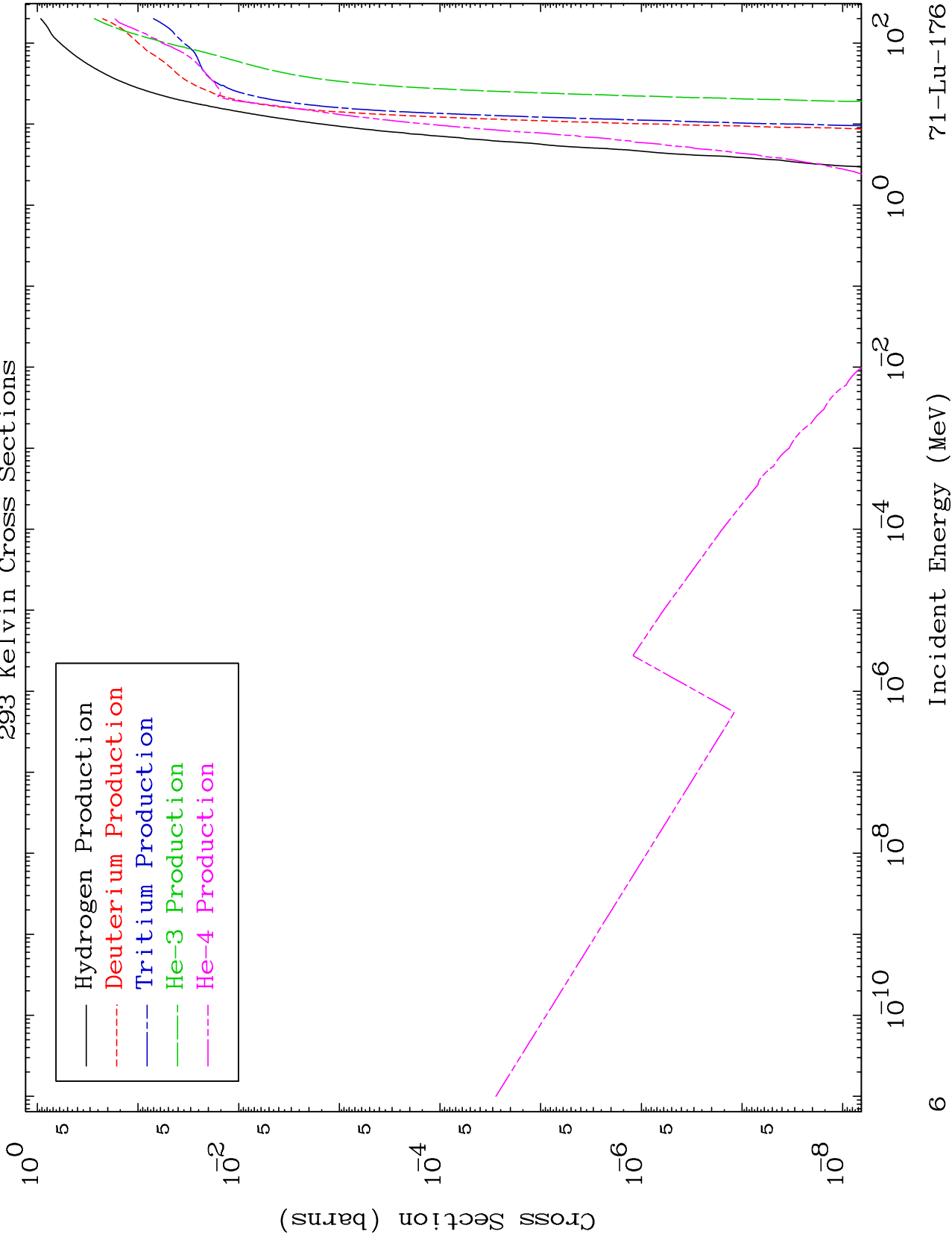
71-Lu-176



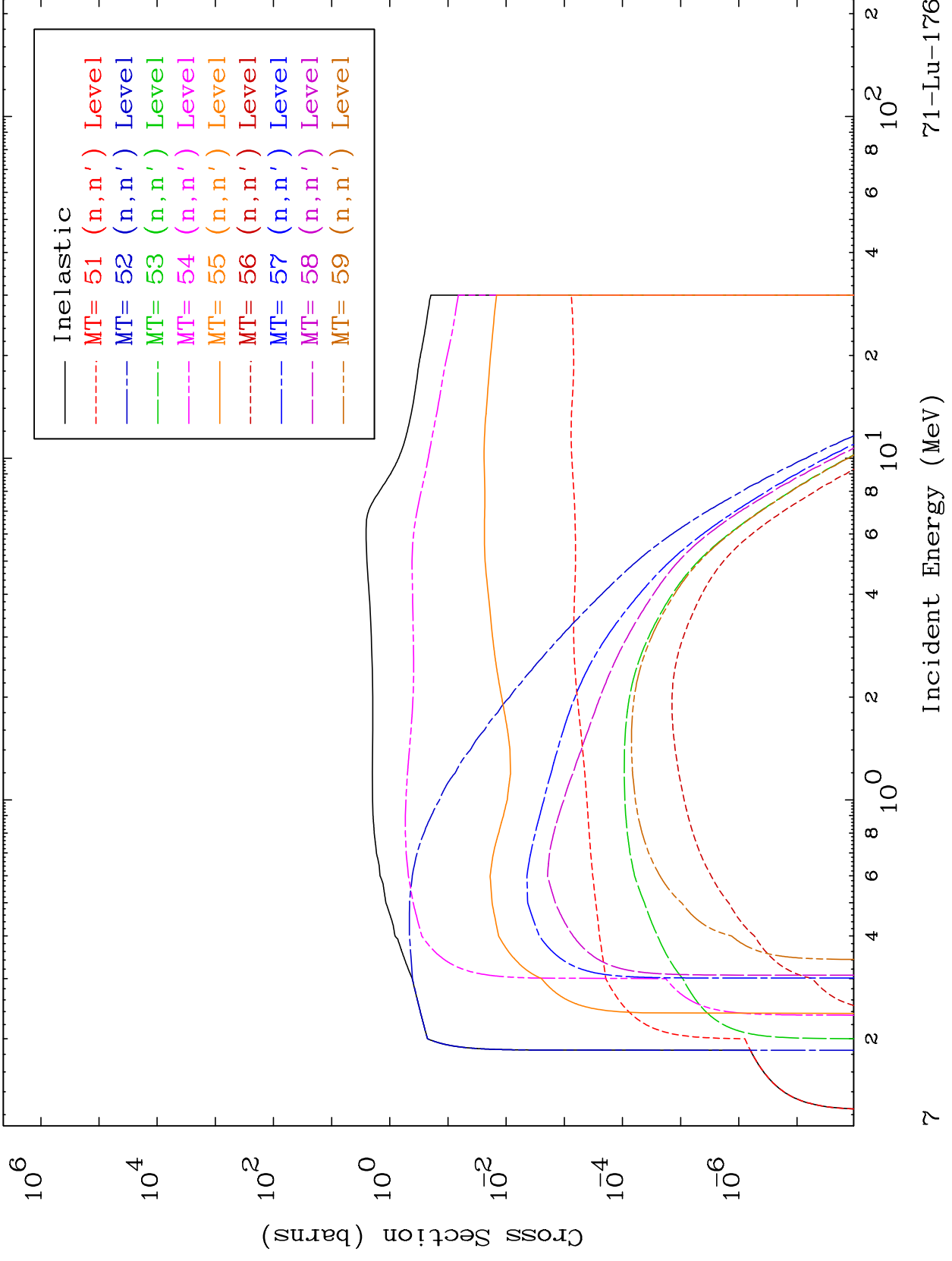
MAT 7128

Particle Production  
293 Kelvin Cross Sections

71-Lu-176



293 Kelvin Cross Sections



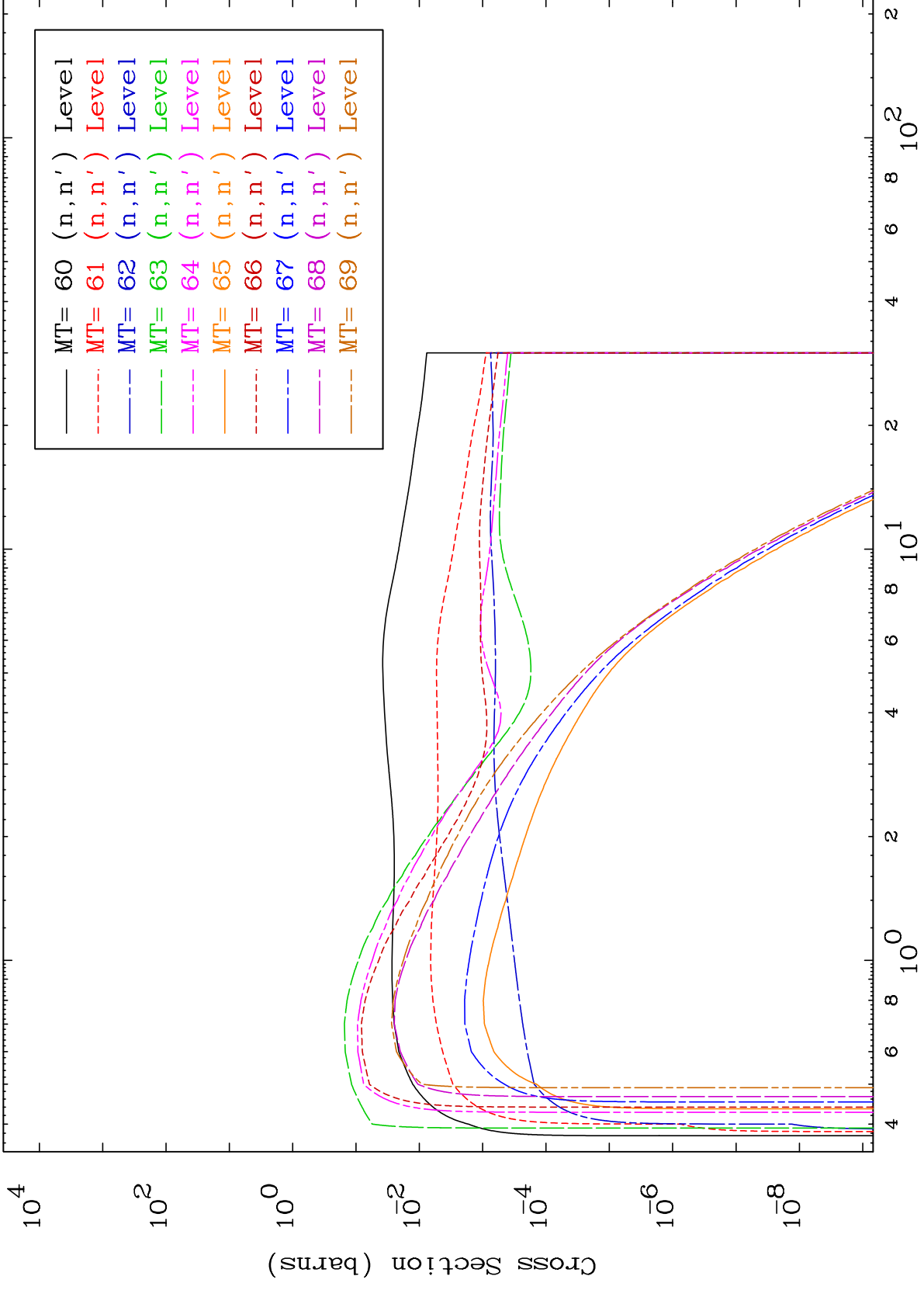


MAT 7128

(n,n') Level

71-Lu-176

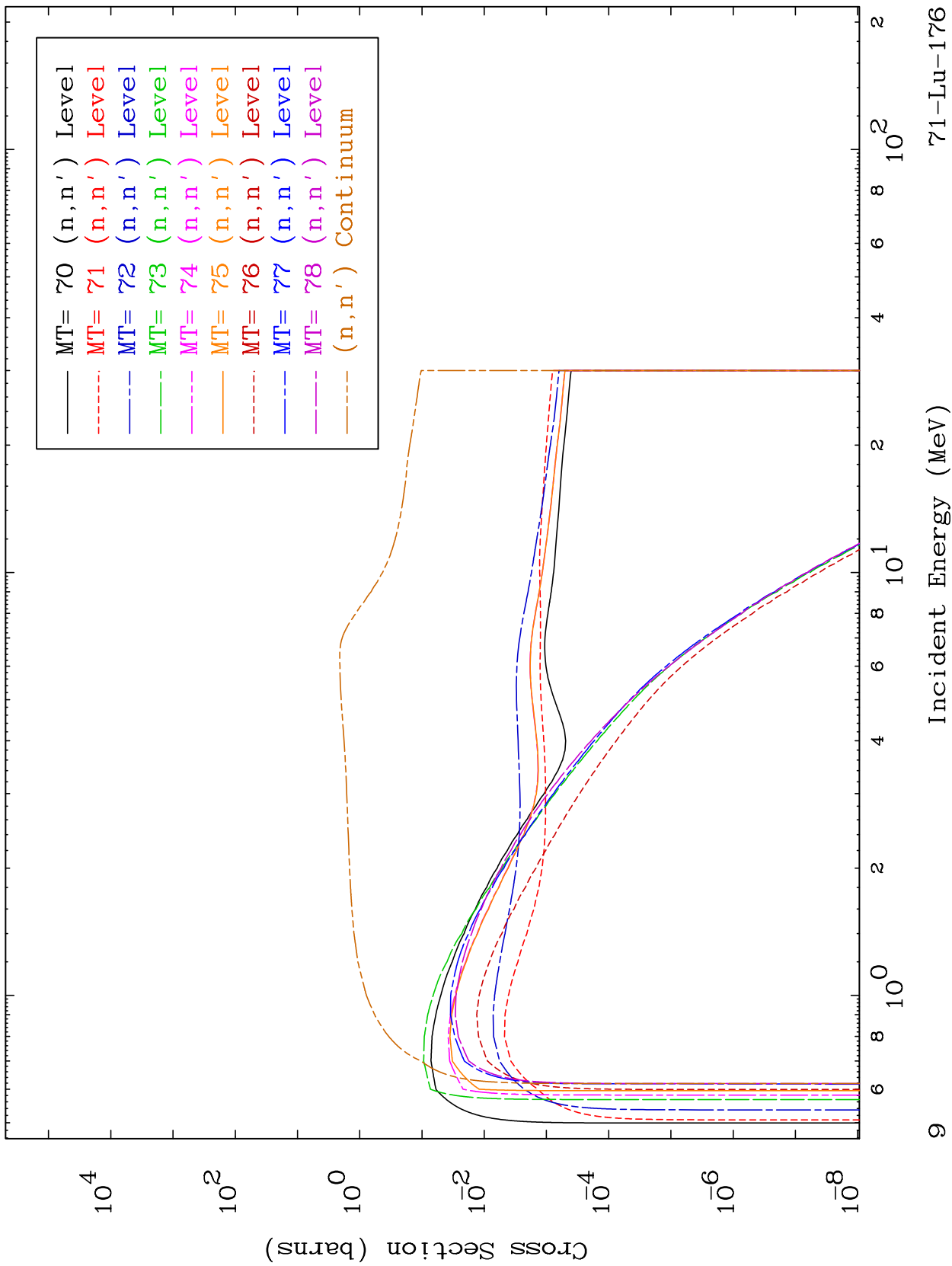
293 Kelvin Cross Sections



8

Incident Energy (MeV)

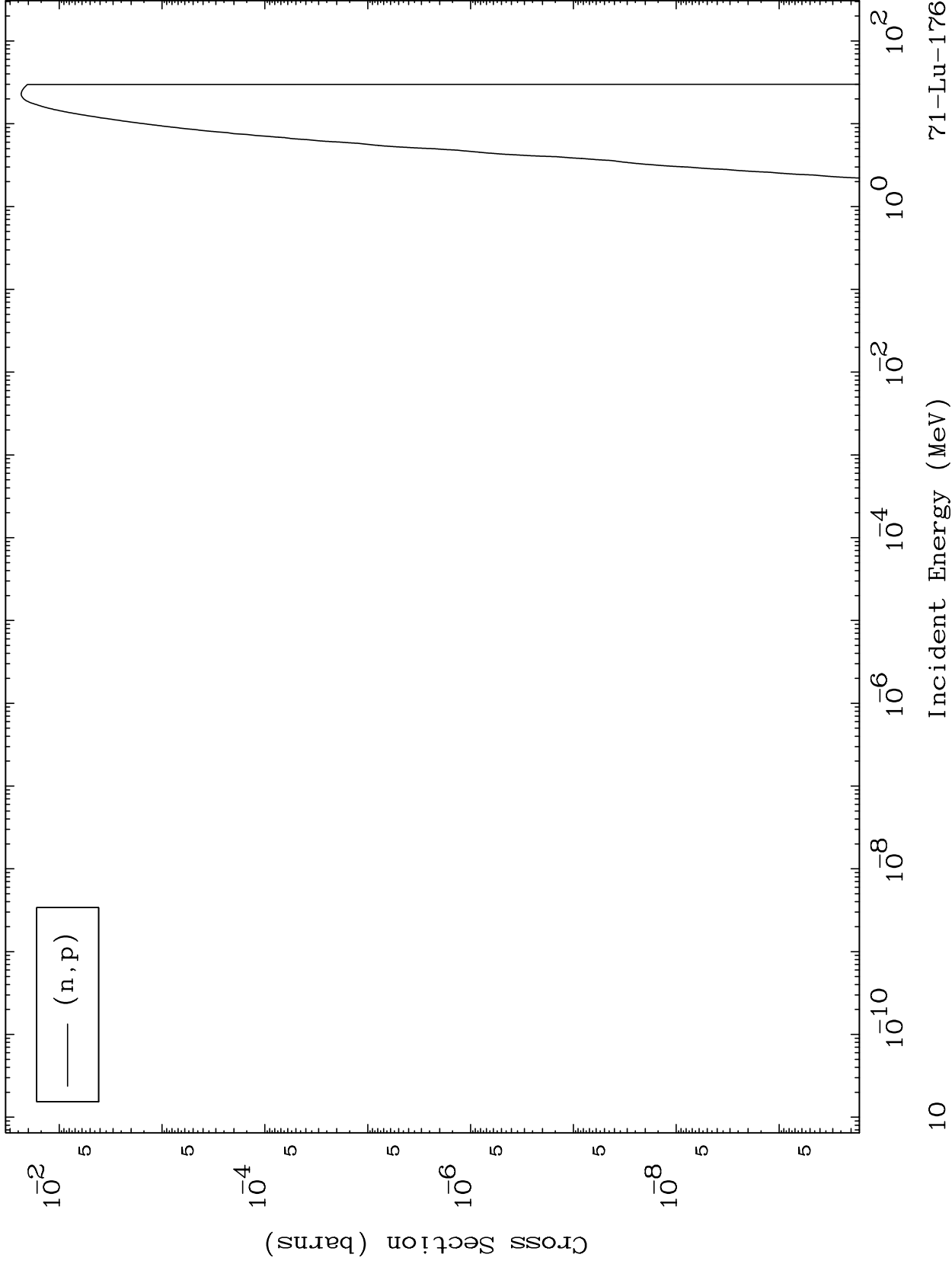
71-Lu-176



MAT 7128

(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-176



10

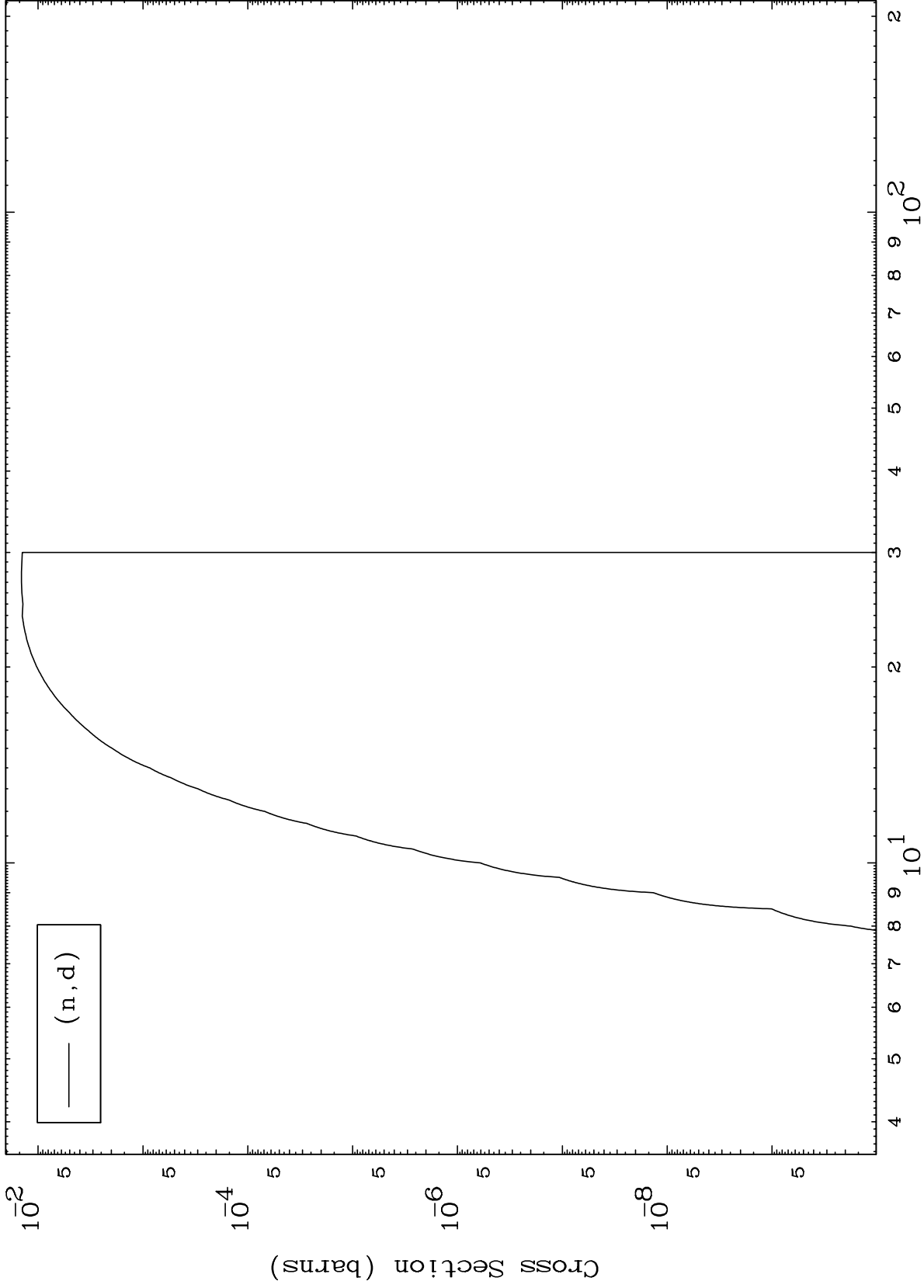
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-176



11

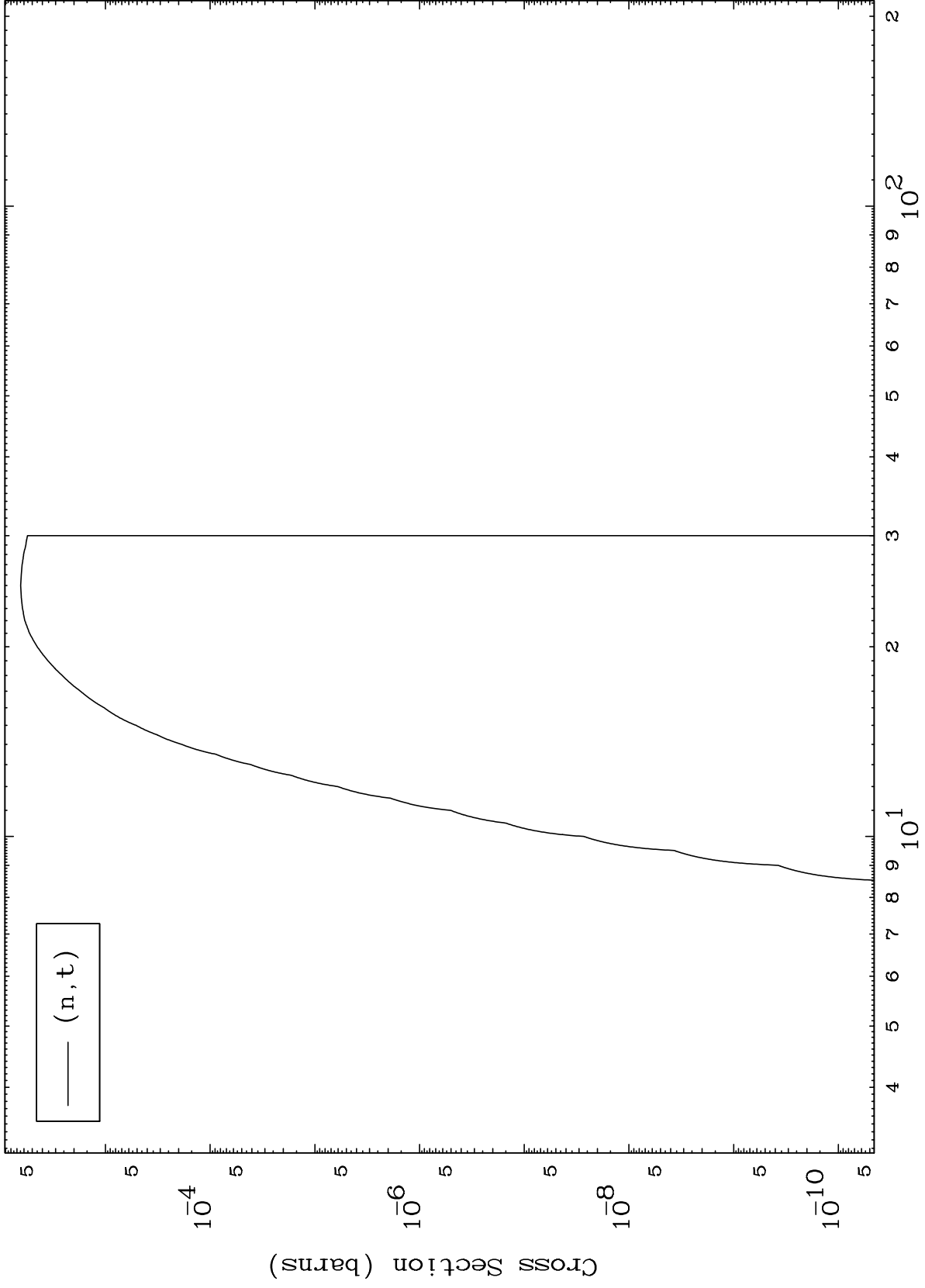
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-176



(n,t)

12

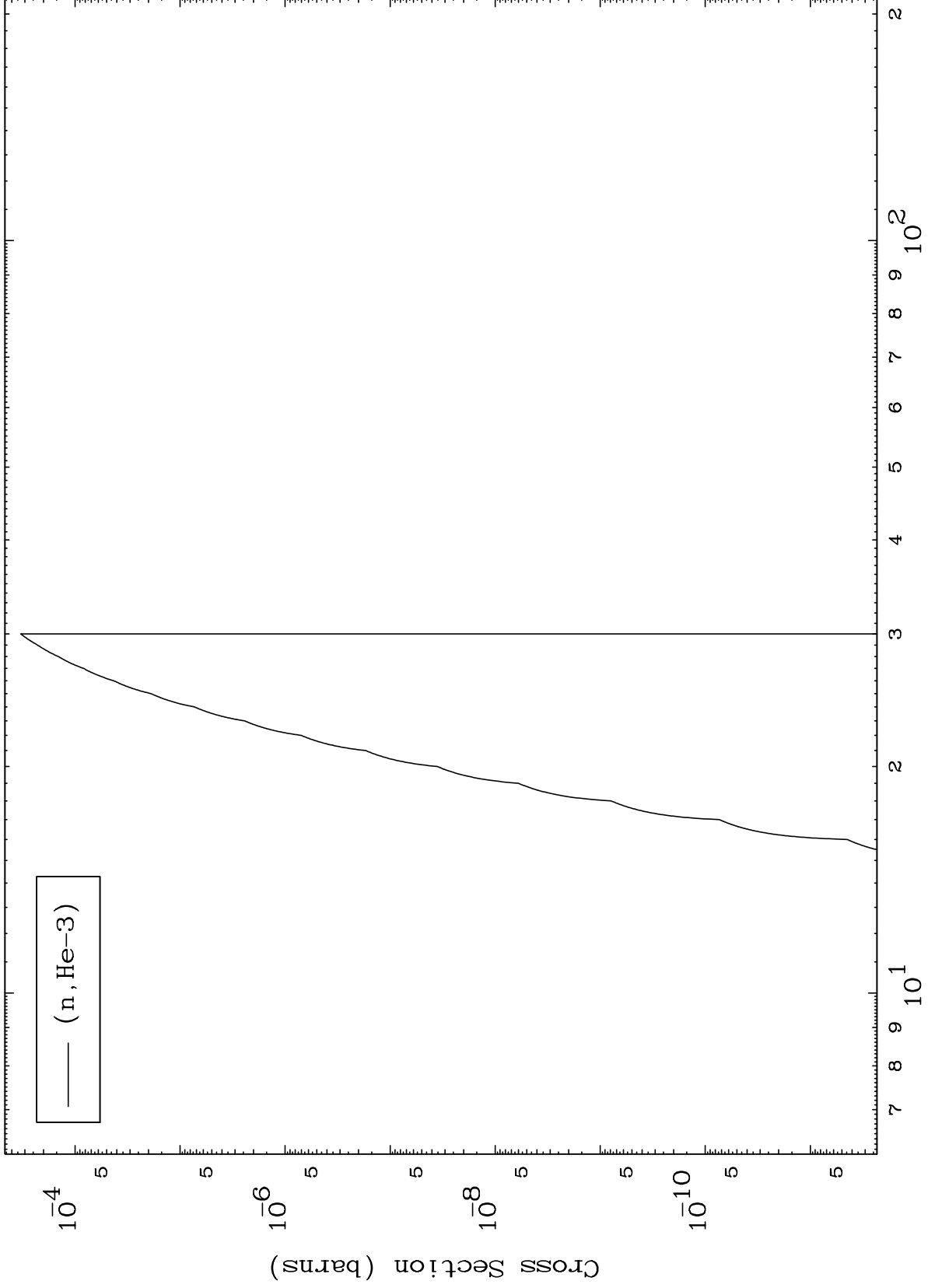
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-176



13

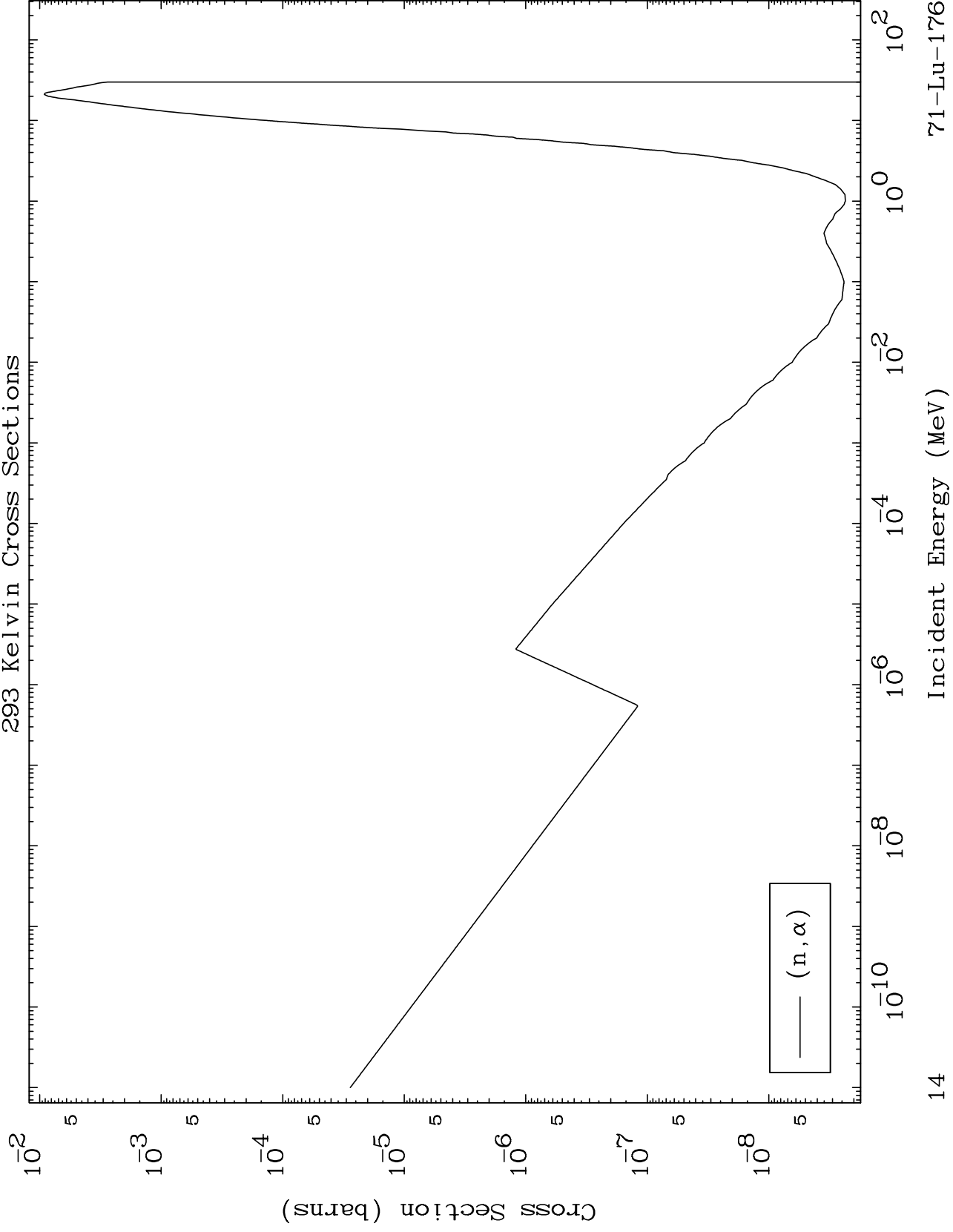
Incident Energy (MeV)

71-Lu-176

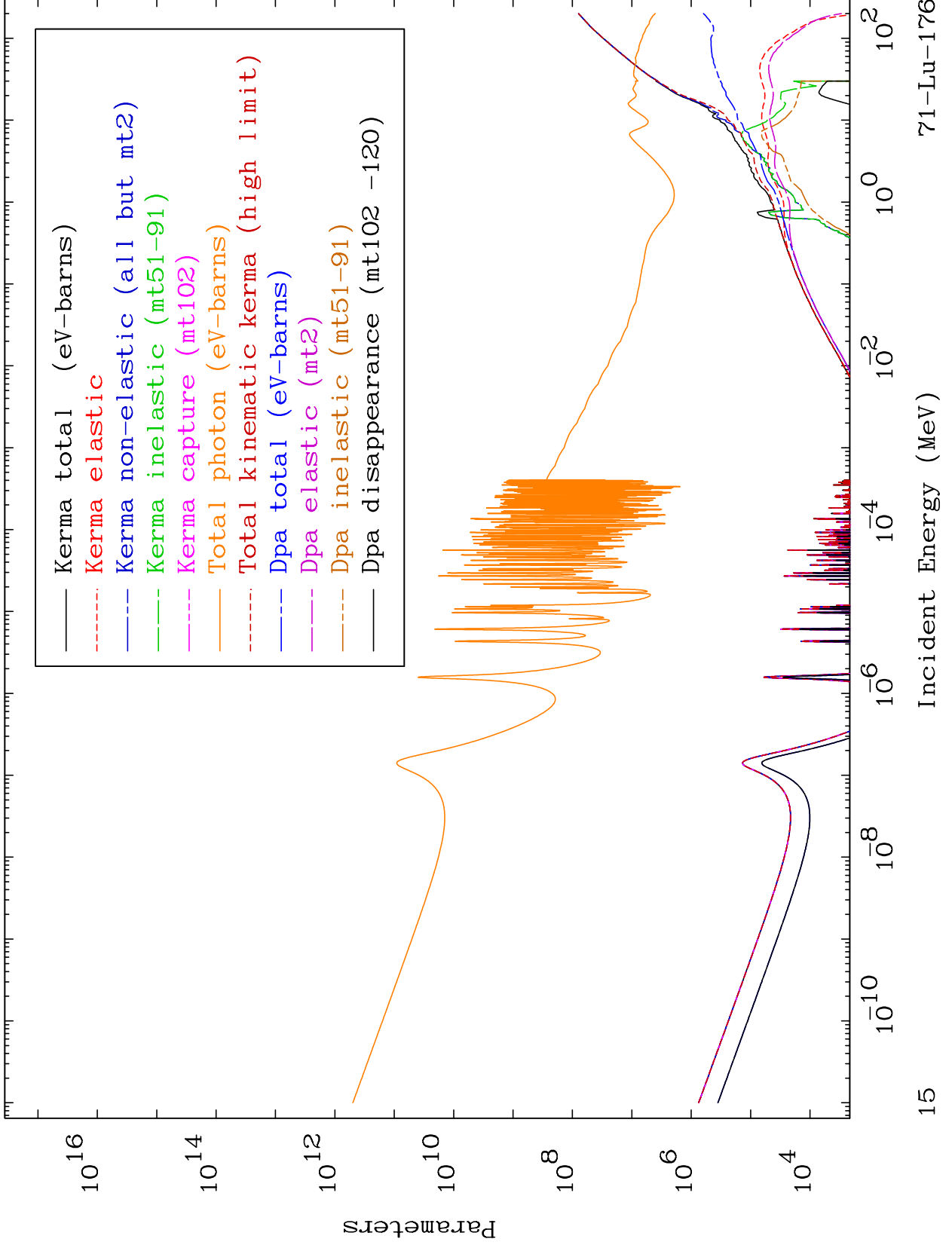
MAT 7128

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

71-Lu-176



71-Lu-176

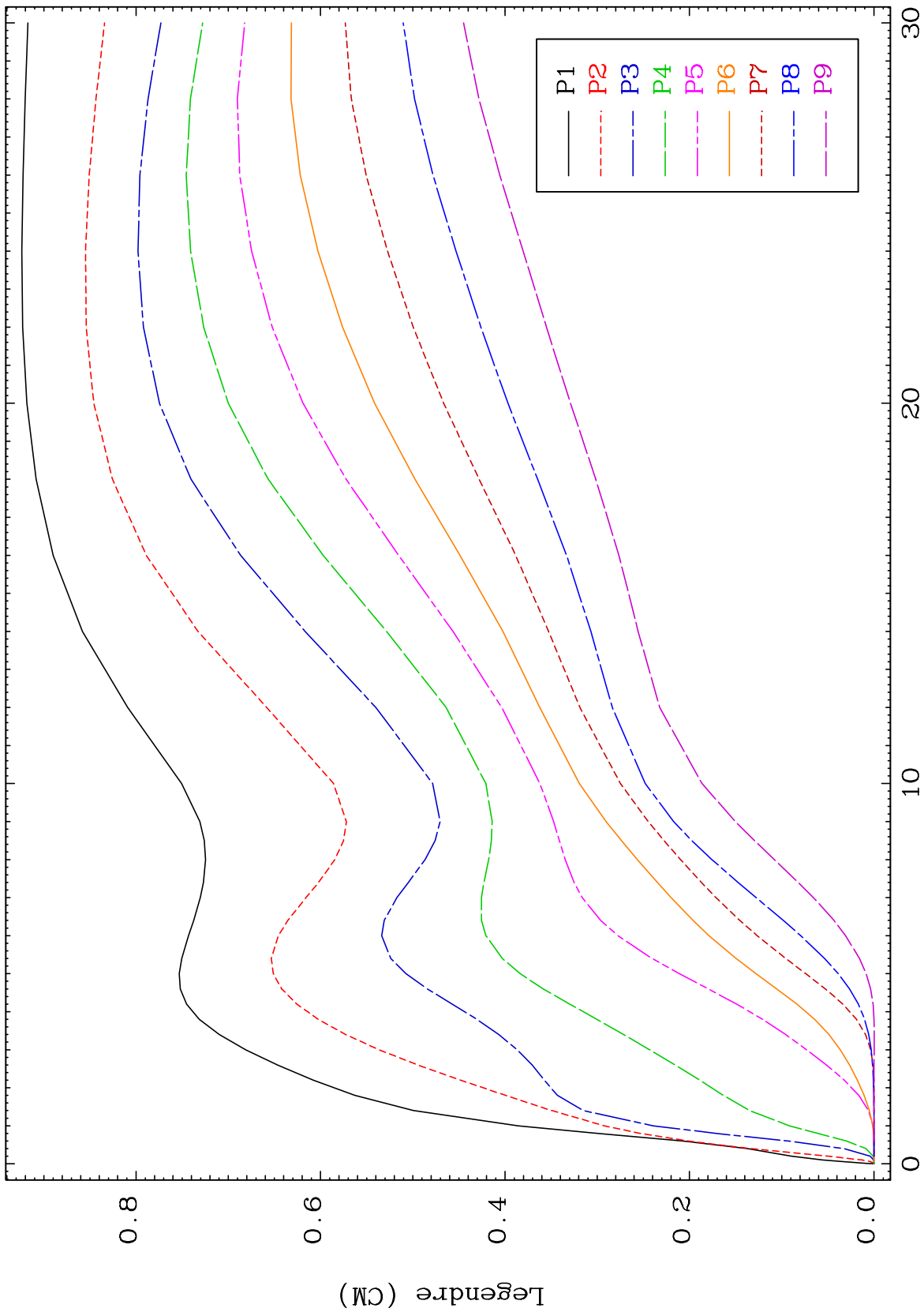




MAT 7128

71-Lu-176

Elastic Legendre Coefficients



16

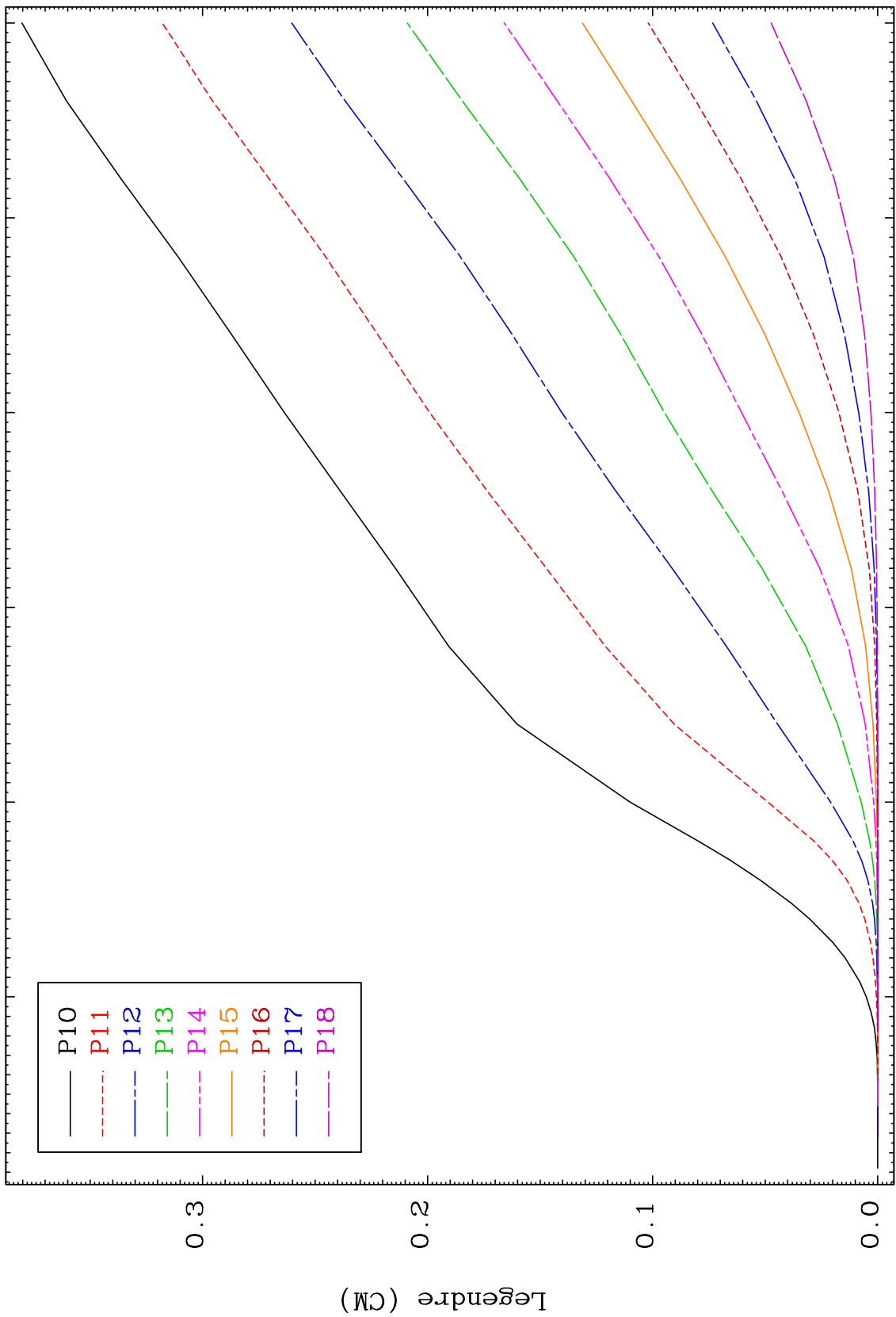
Incident Energy (MeV)

71-Lu-176

MAT 7128

Elastic Legendre Coefficients

<sup>71</sup>Lu-176



17

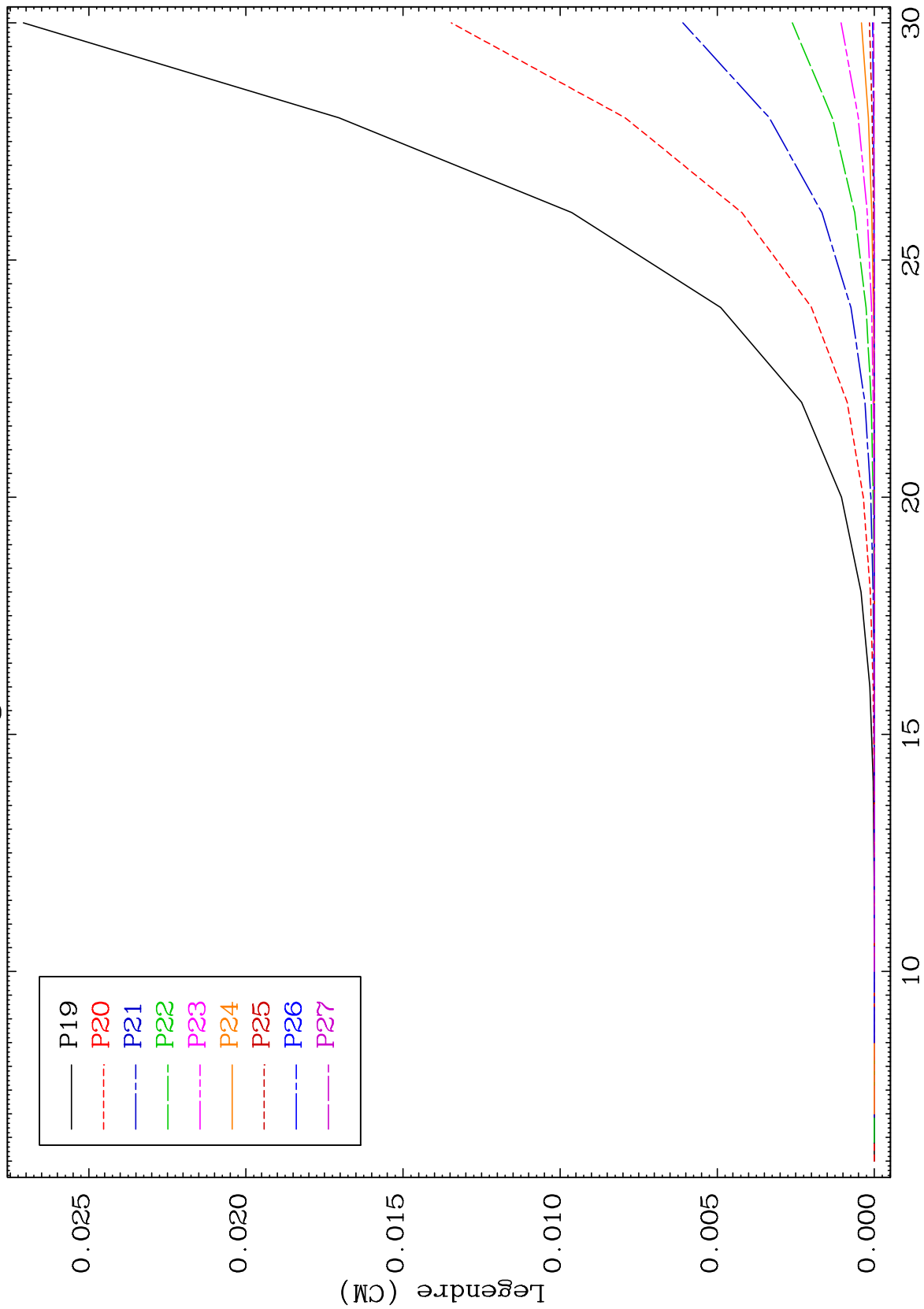
Incident Energy (MeV)

<sup>71</sup>Lu-176

MAT 7128

### Elastic Legendre Coefficients

71-Lu-176



18

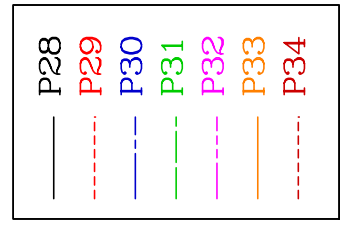
Incident Energy (MeV)

71-Lu-176

MAT 7128

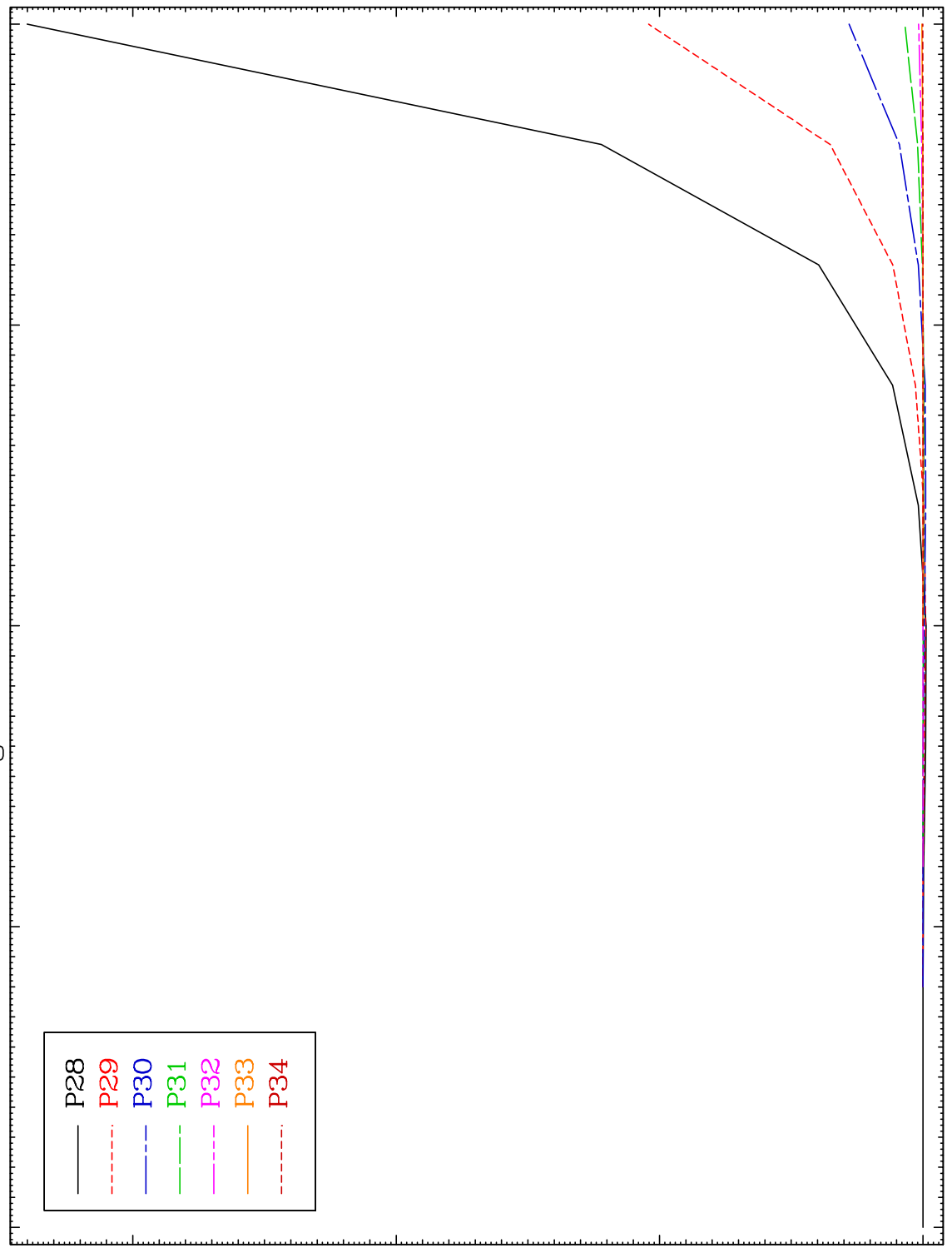
Elastic Legendre Coefficients

71-Lu-176



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

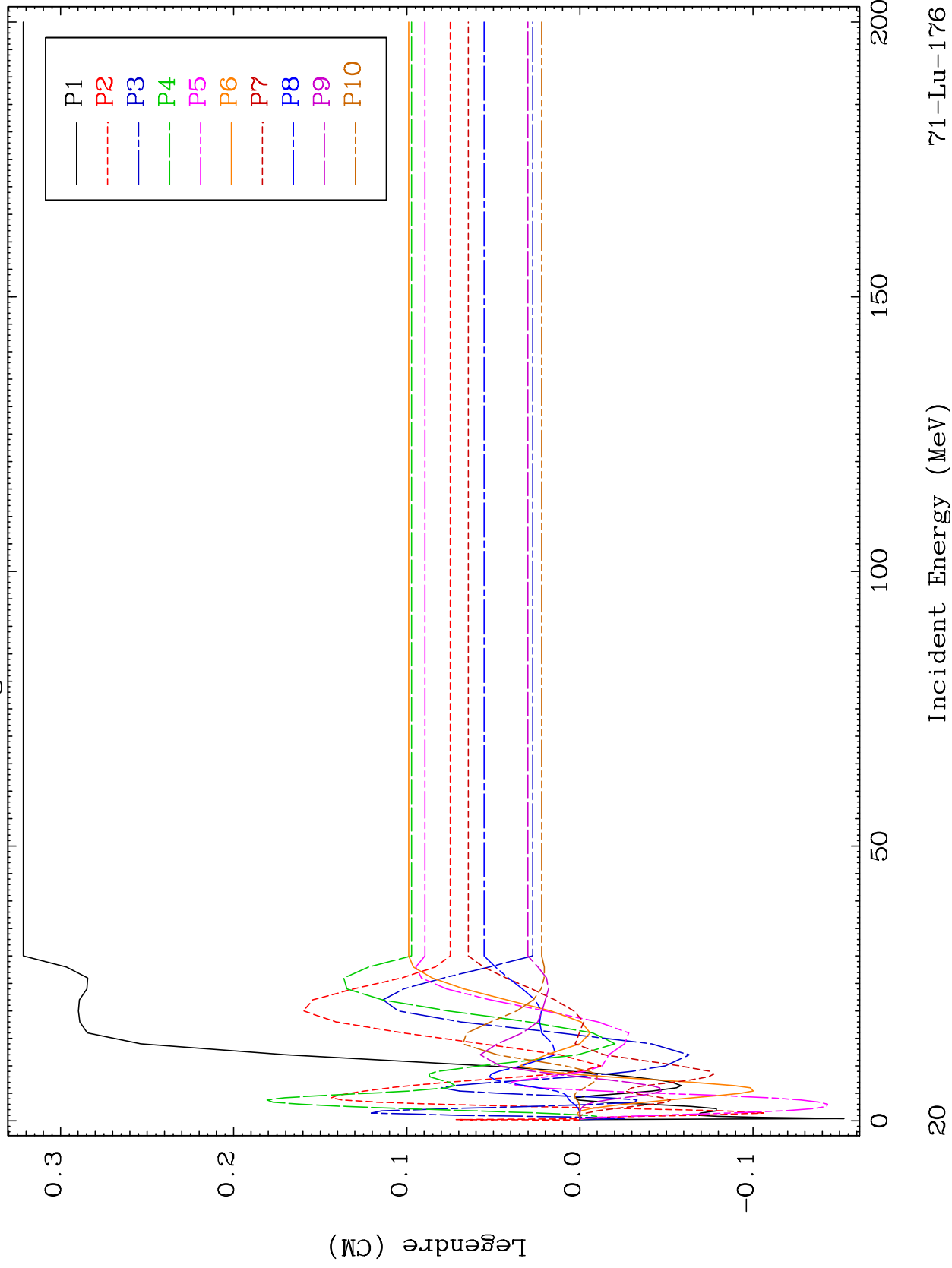
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

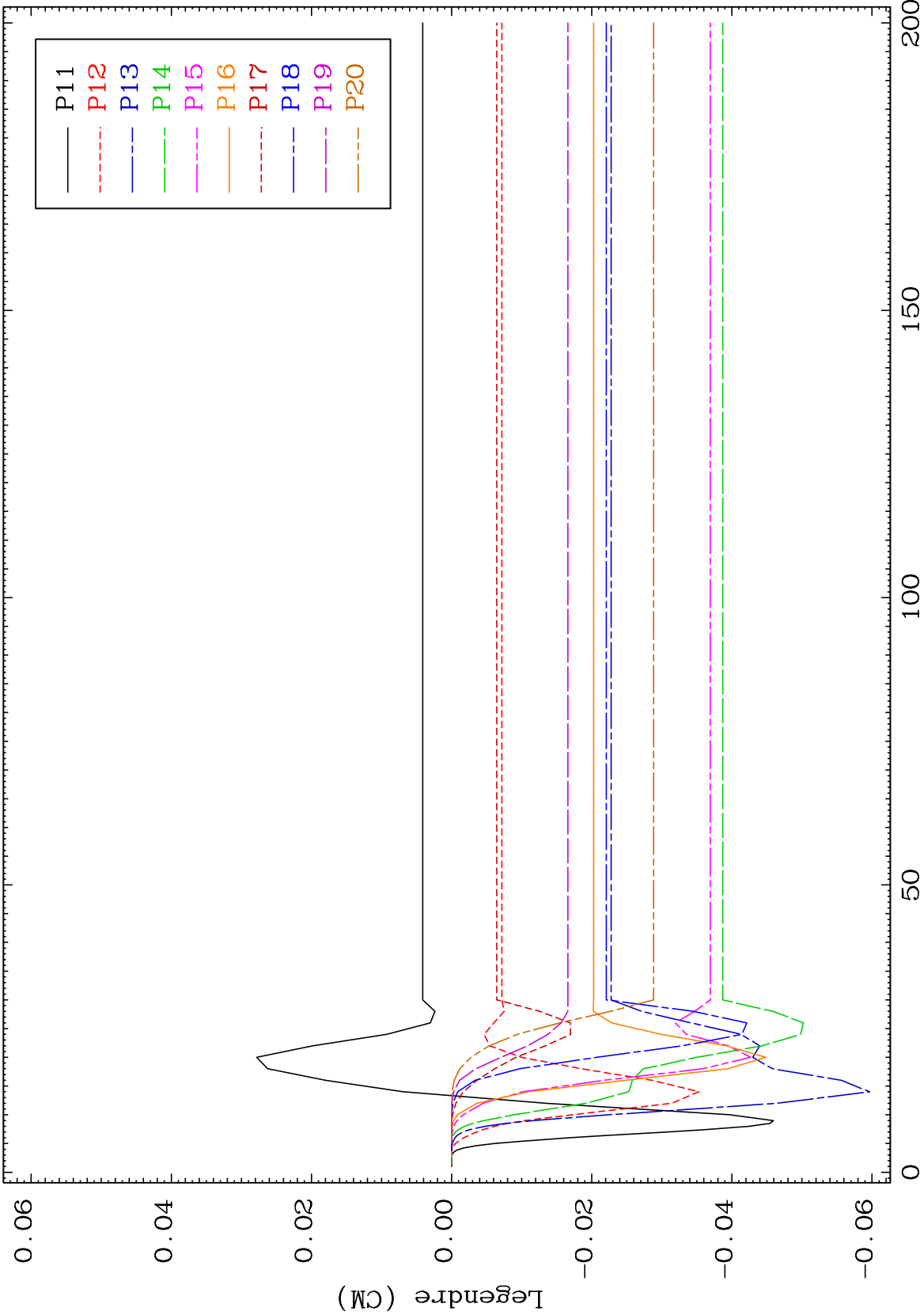
71-Lu-176



MAT 7128

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

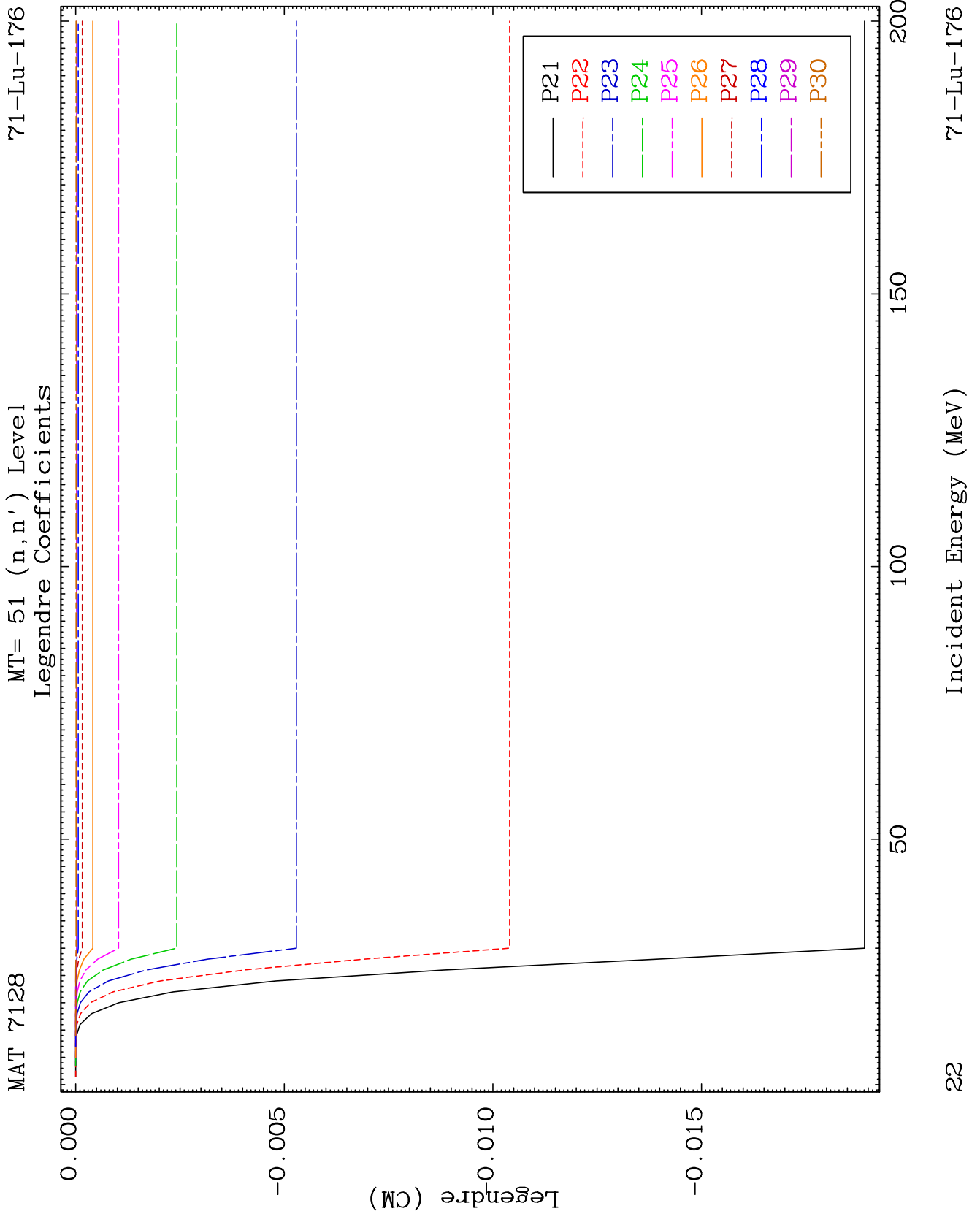
71-Lu-176

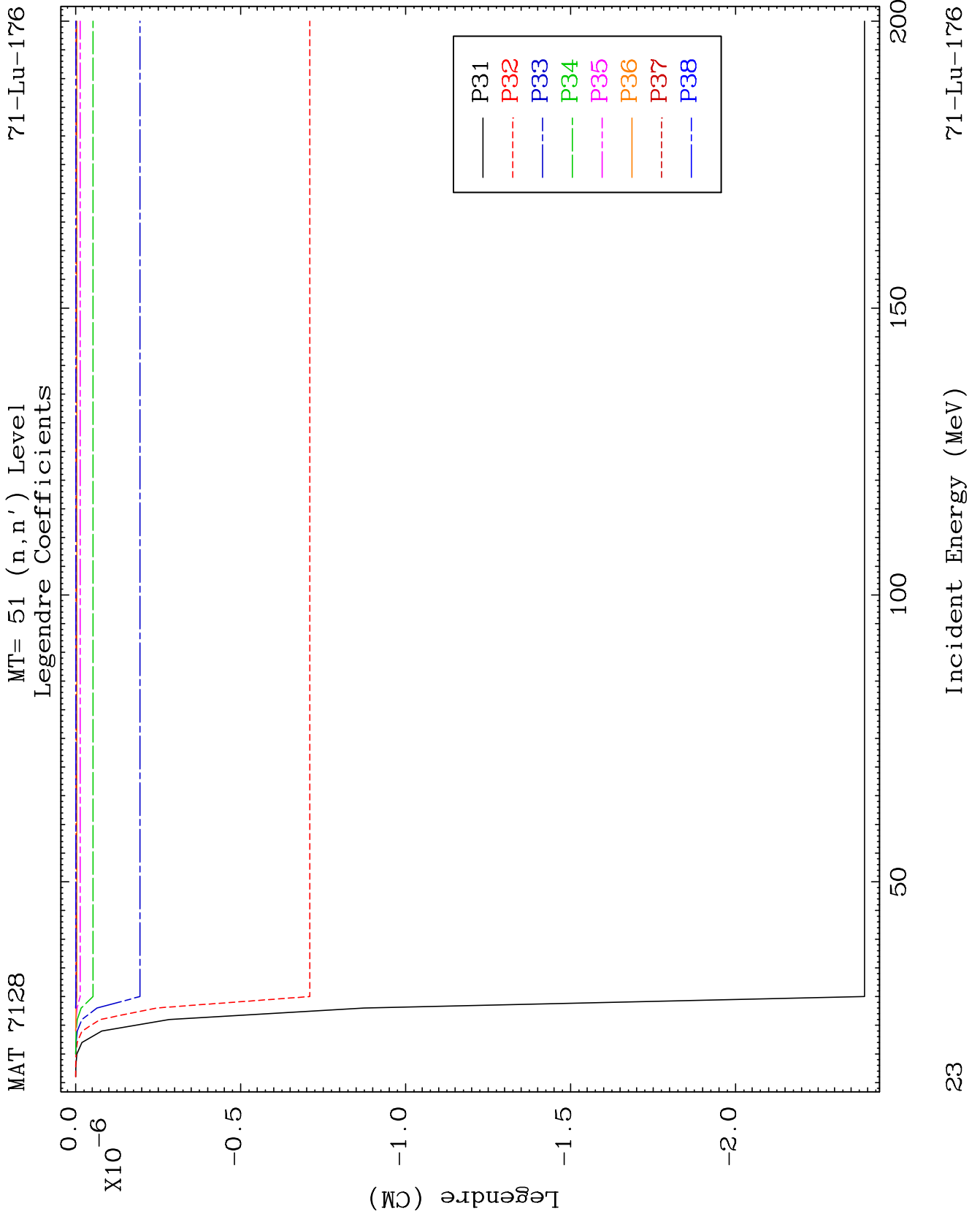


21

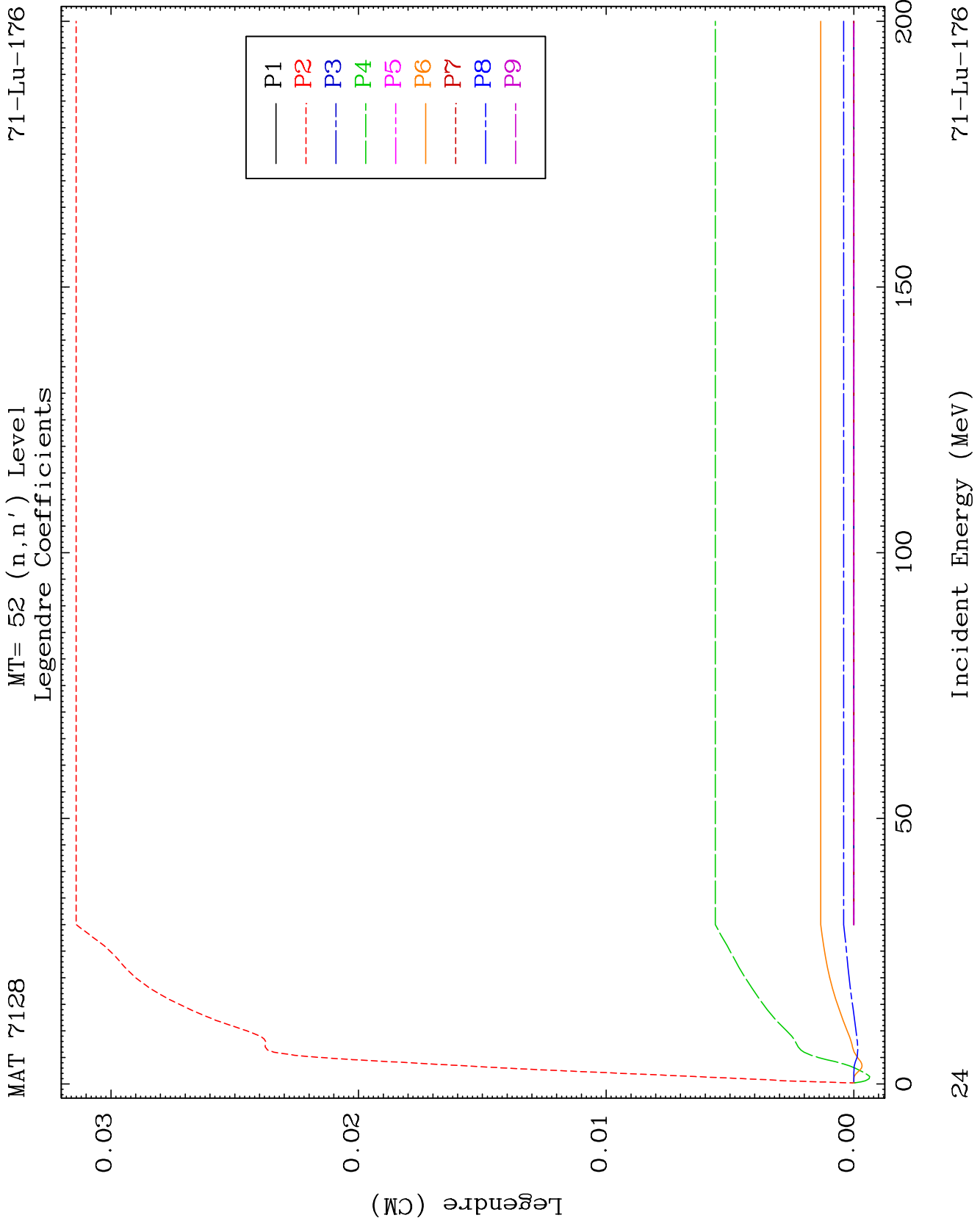
Incident Energy (MeV)

71-Lu-176





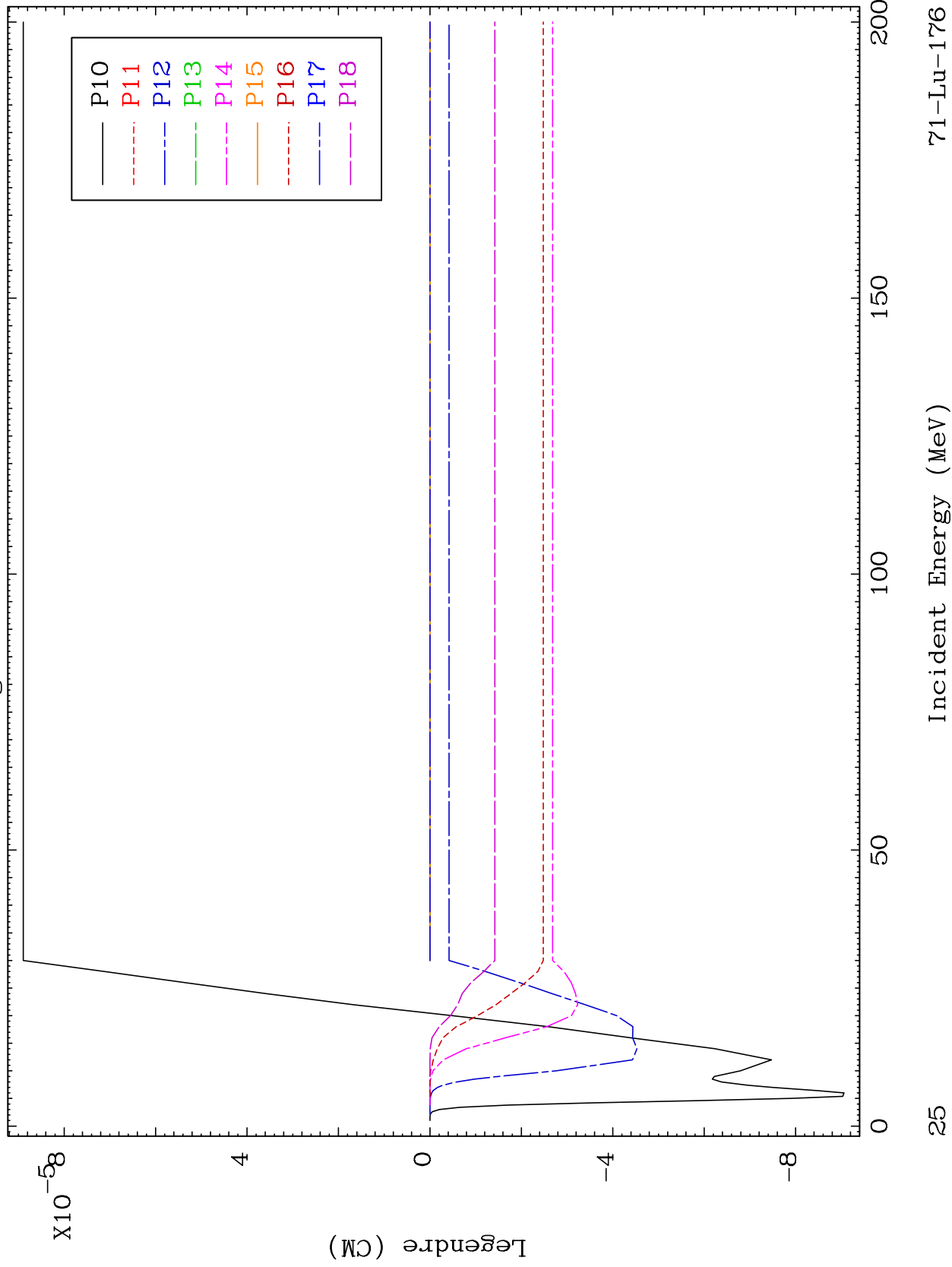




MAT 7128

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

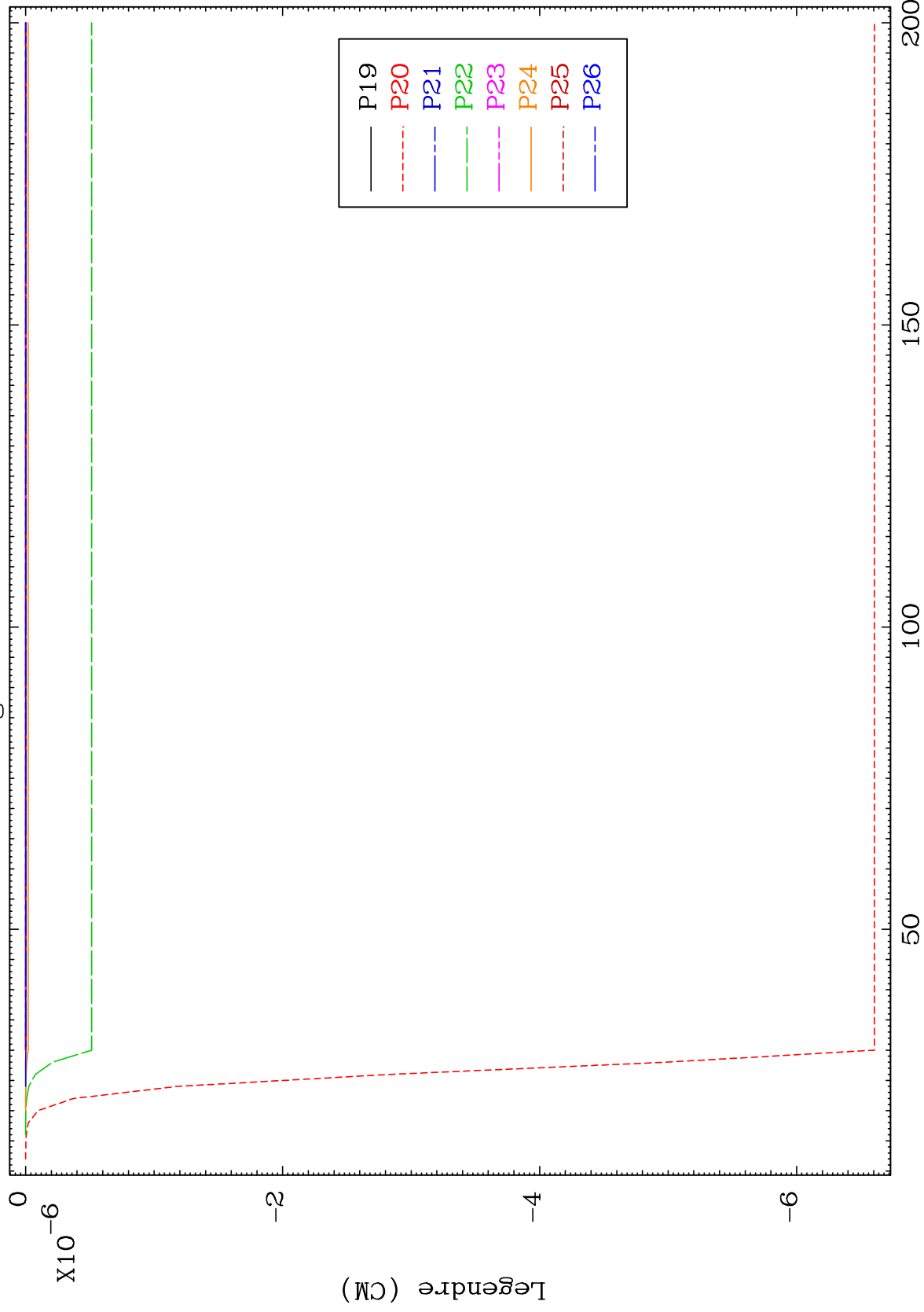
71-Lu-176



MAT 7128

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

71-Lu-176



26

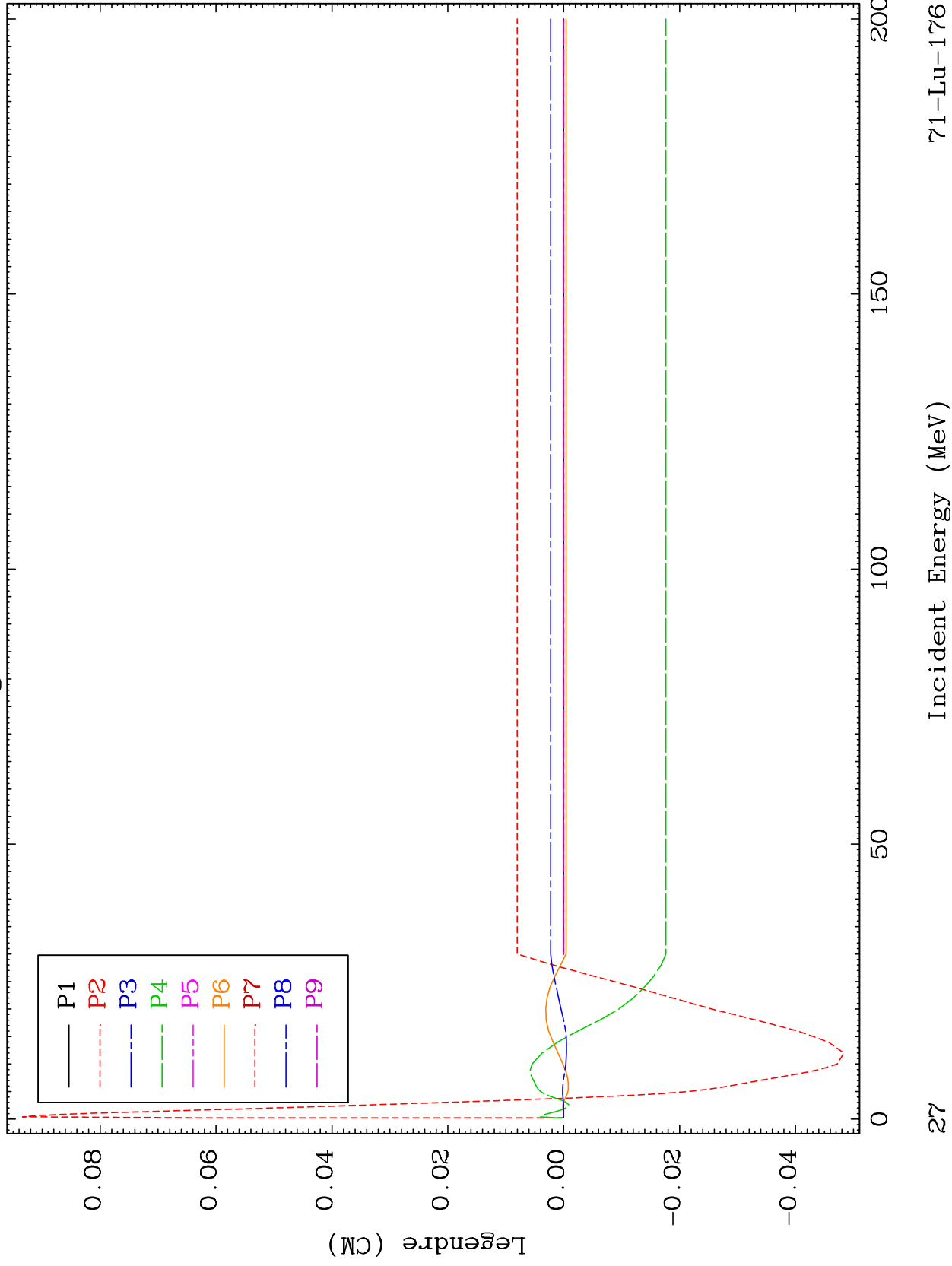
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



27

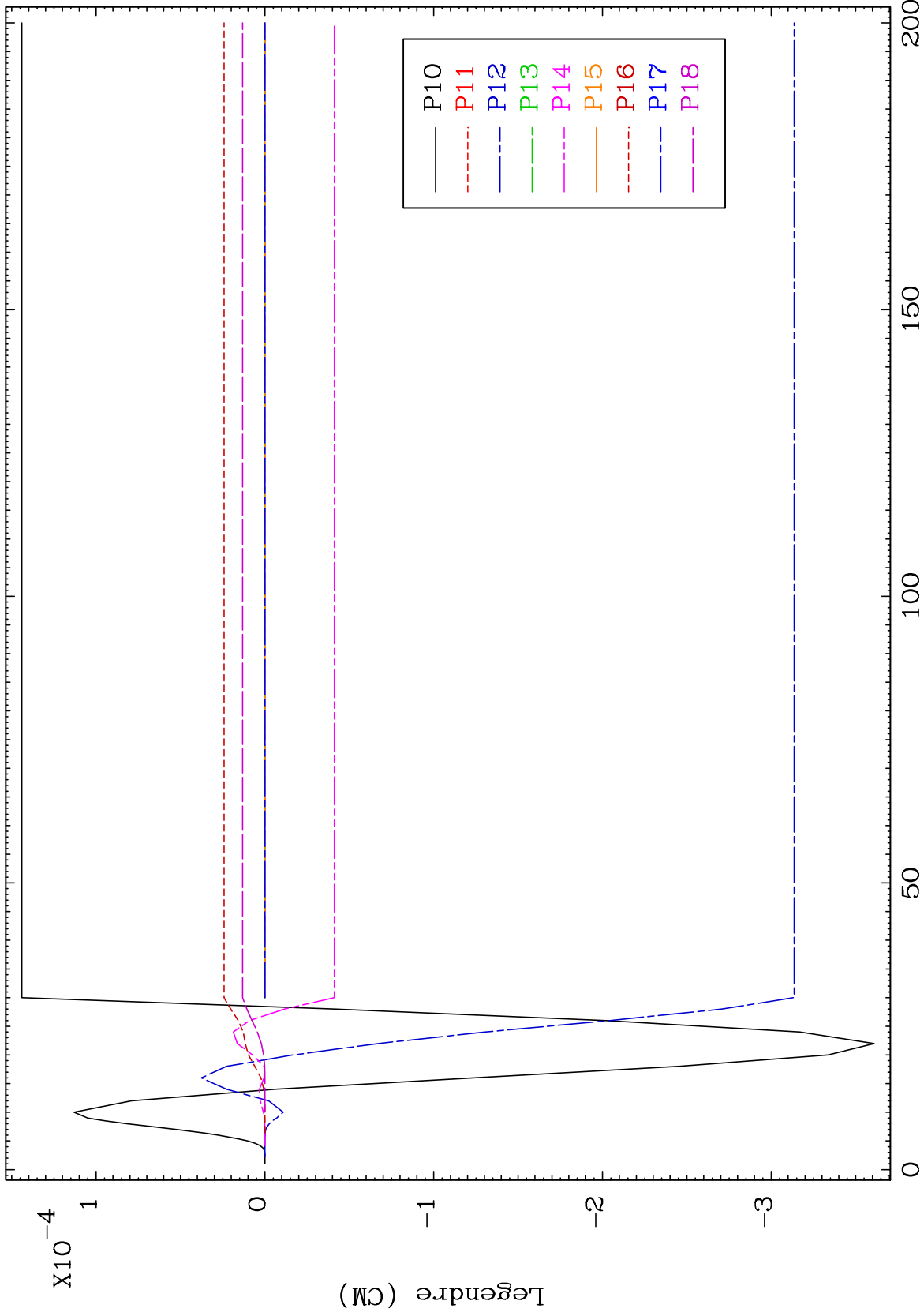
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



28

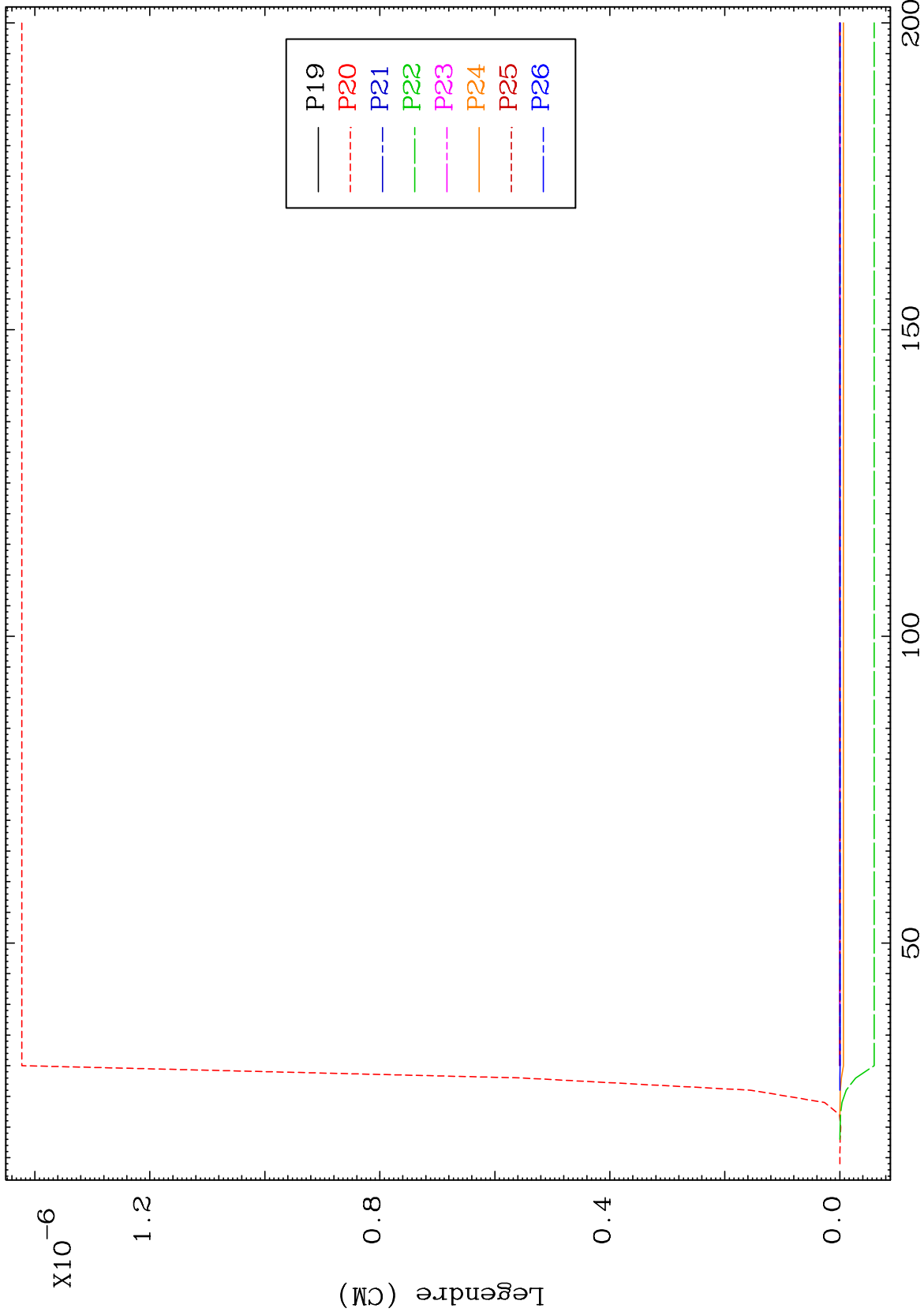
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

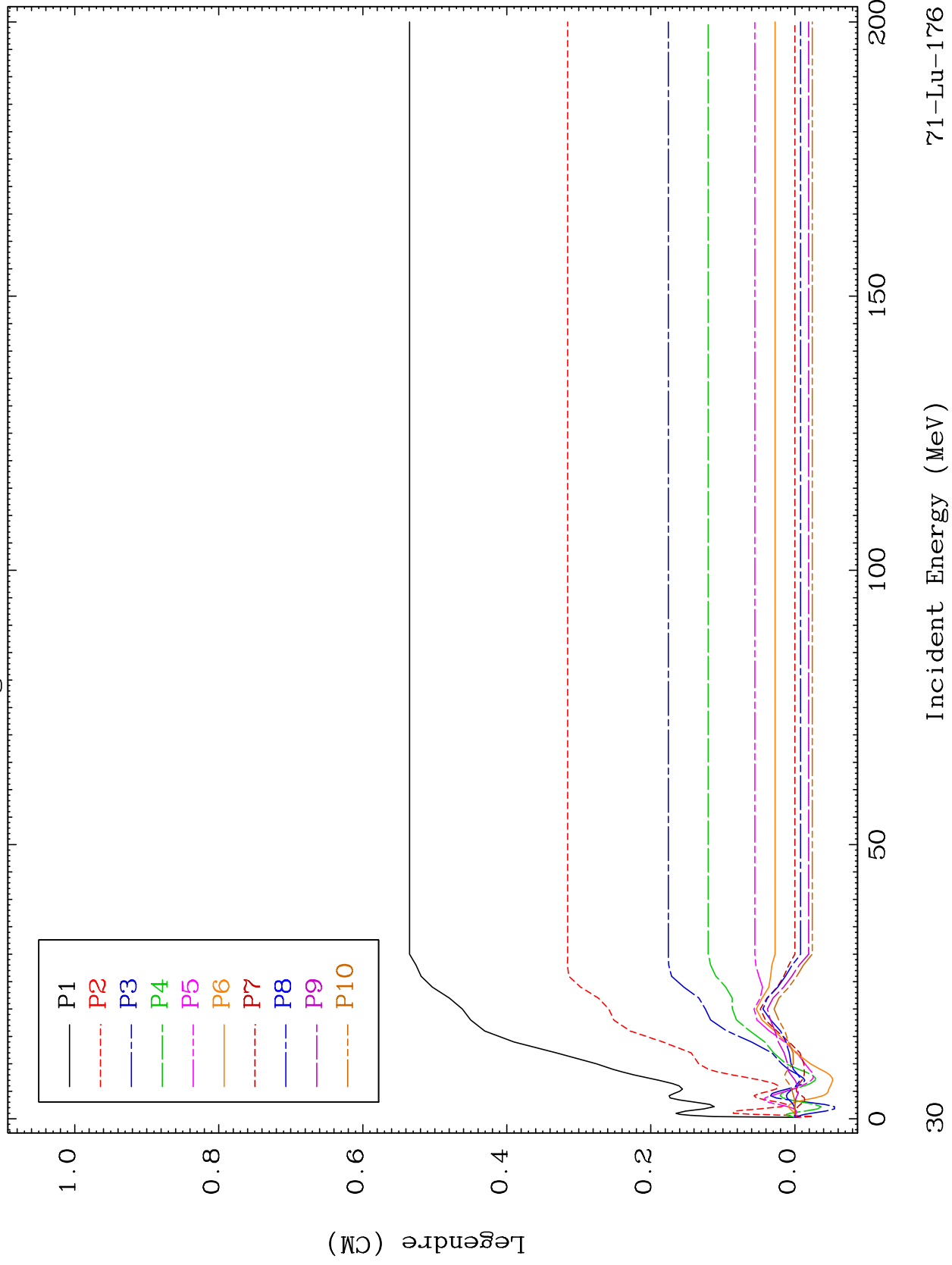
71-Lu-176



MAT 7128

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

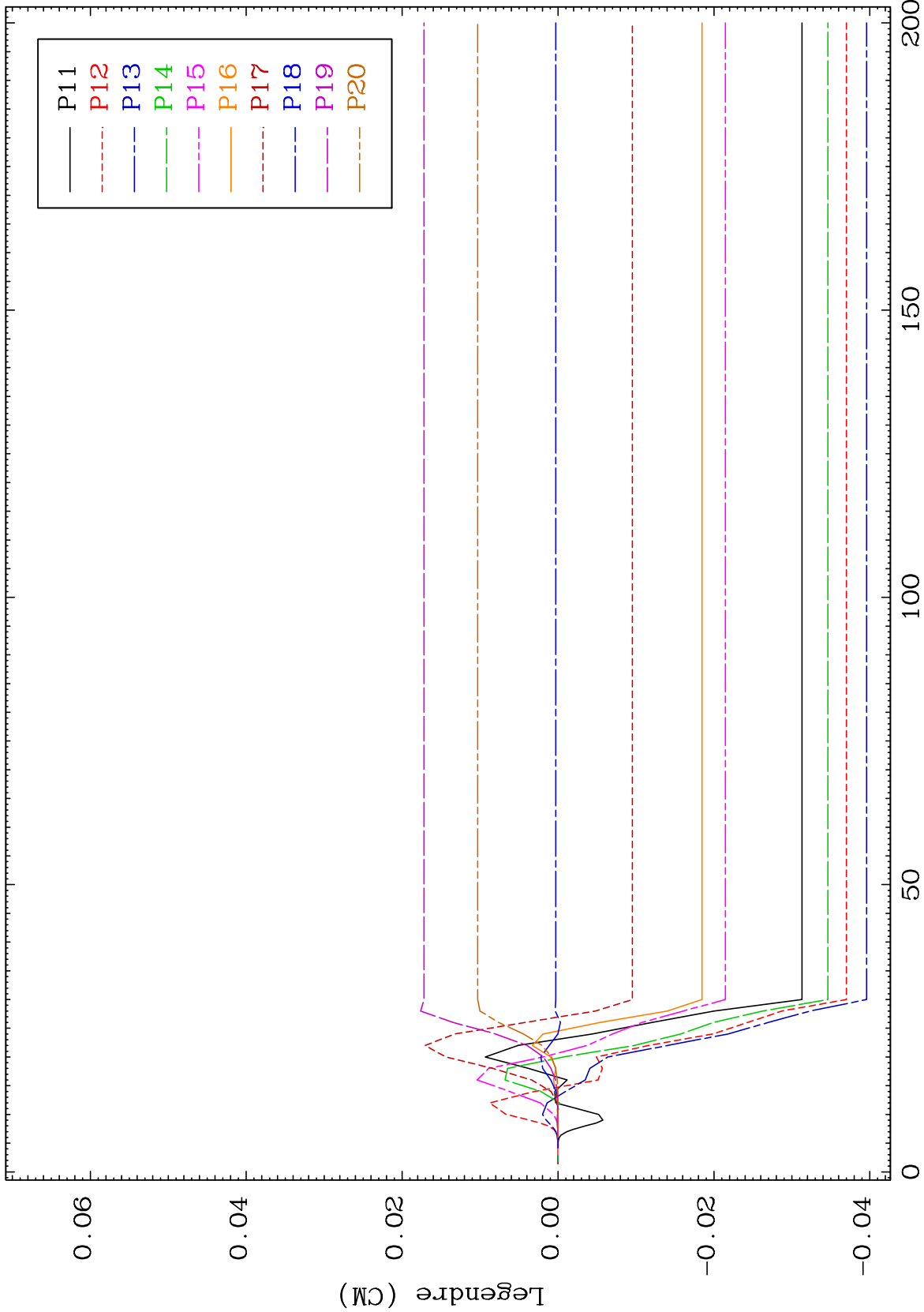
71-Lu-176



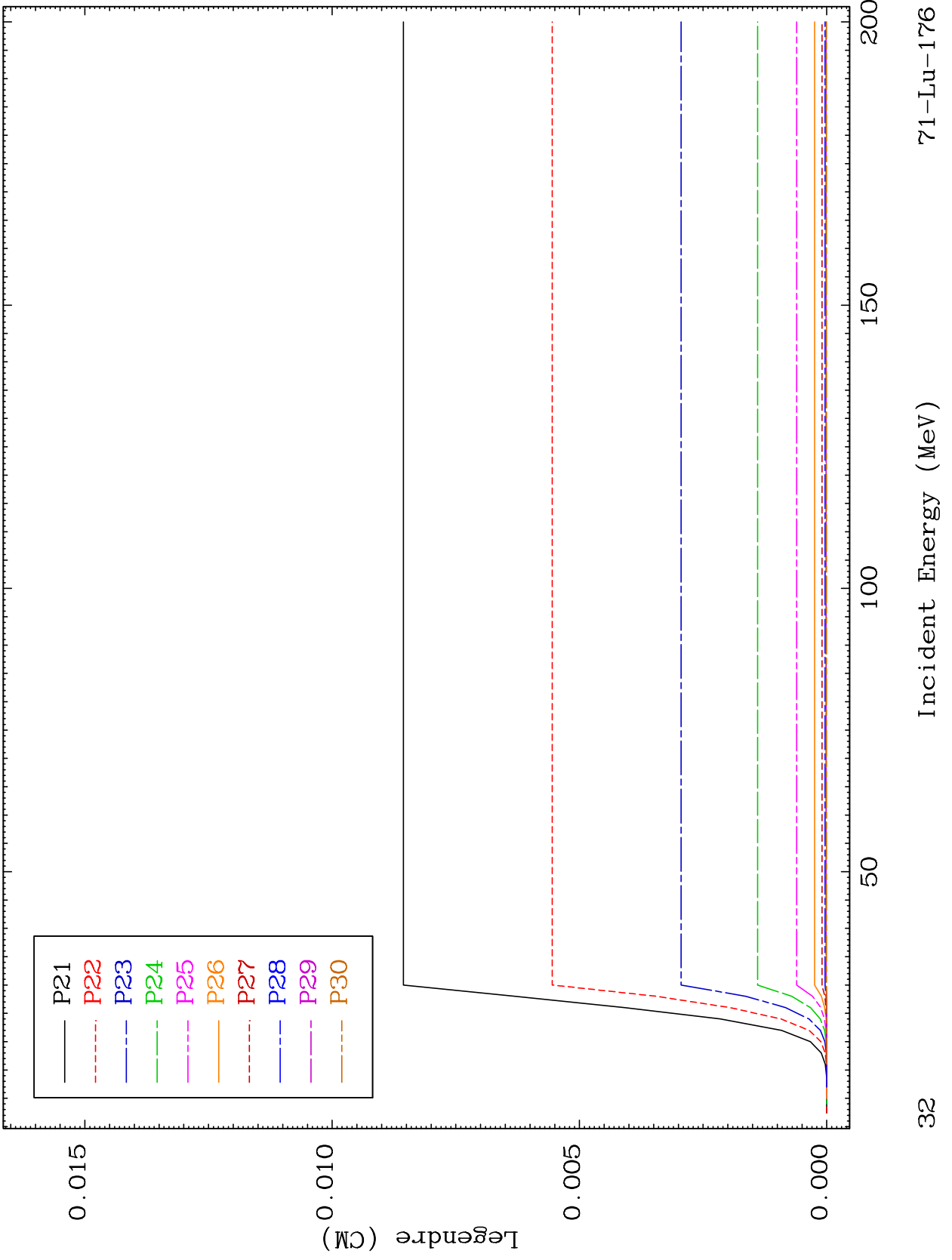
71-Lu-176

Incident Energy (MeV)

30



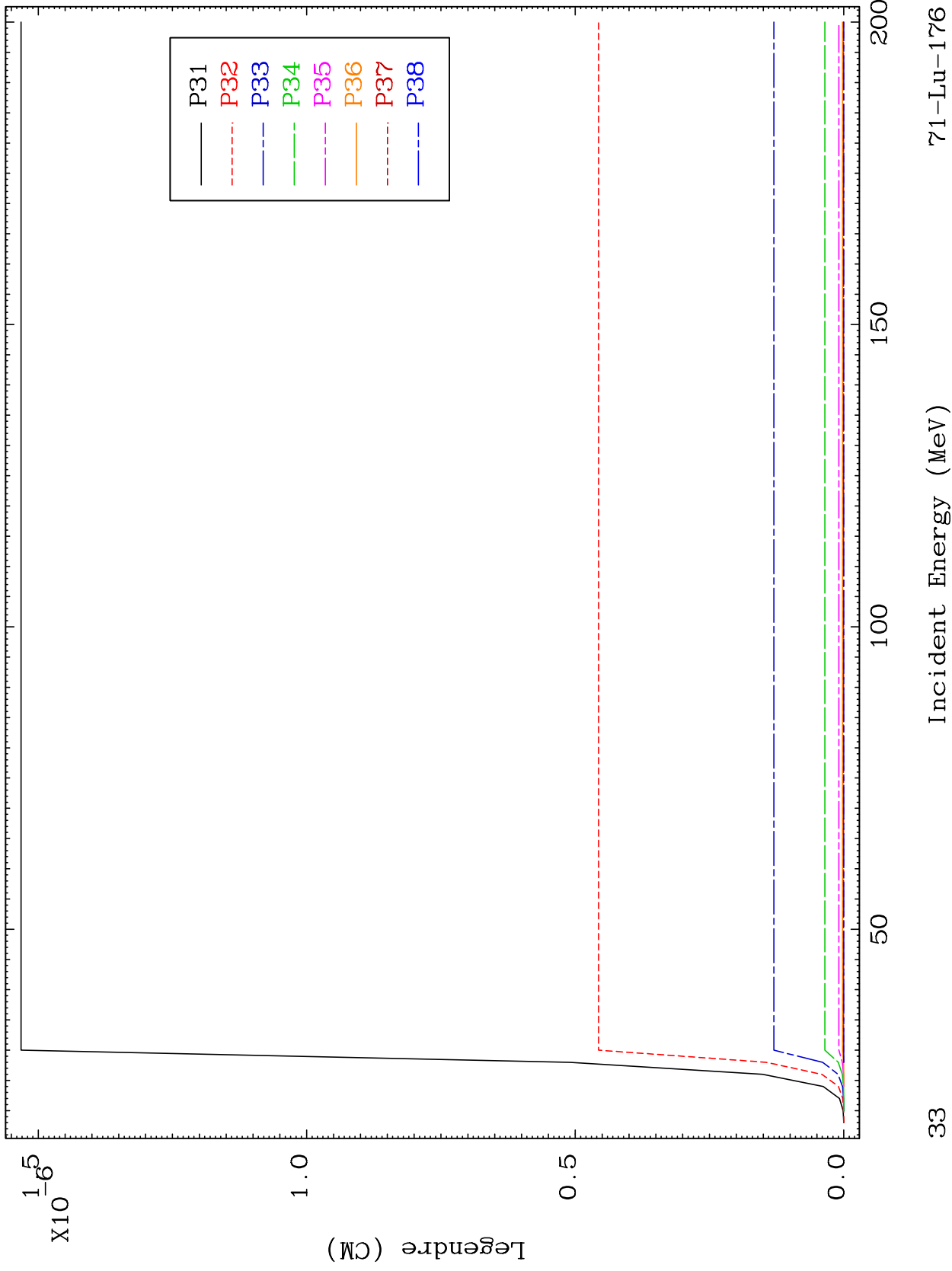




MAT 7128

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

71-Lu-176

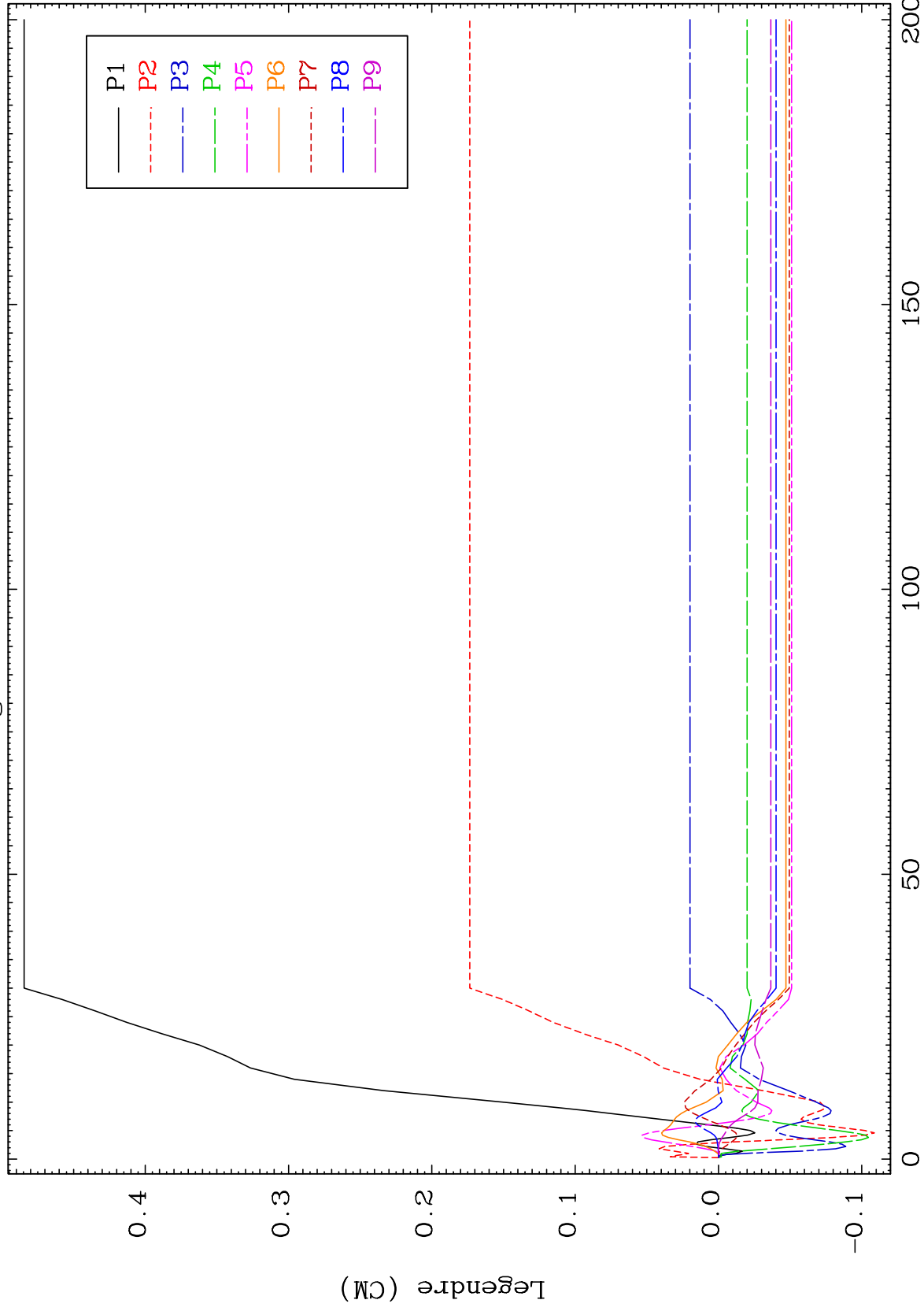


33

MAT 7128

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

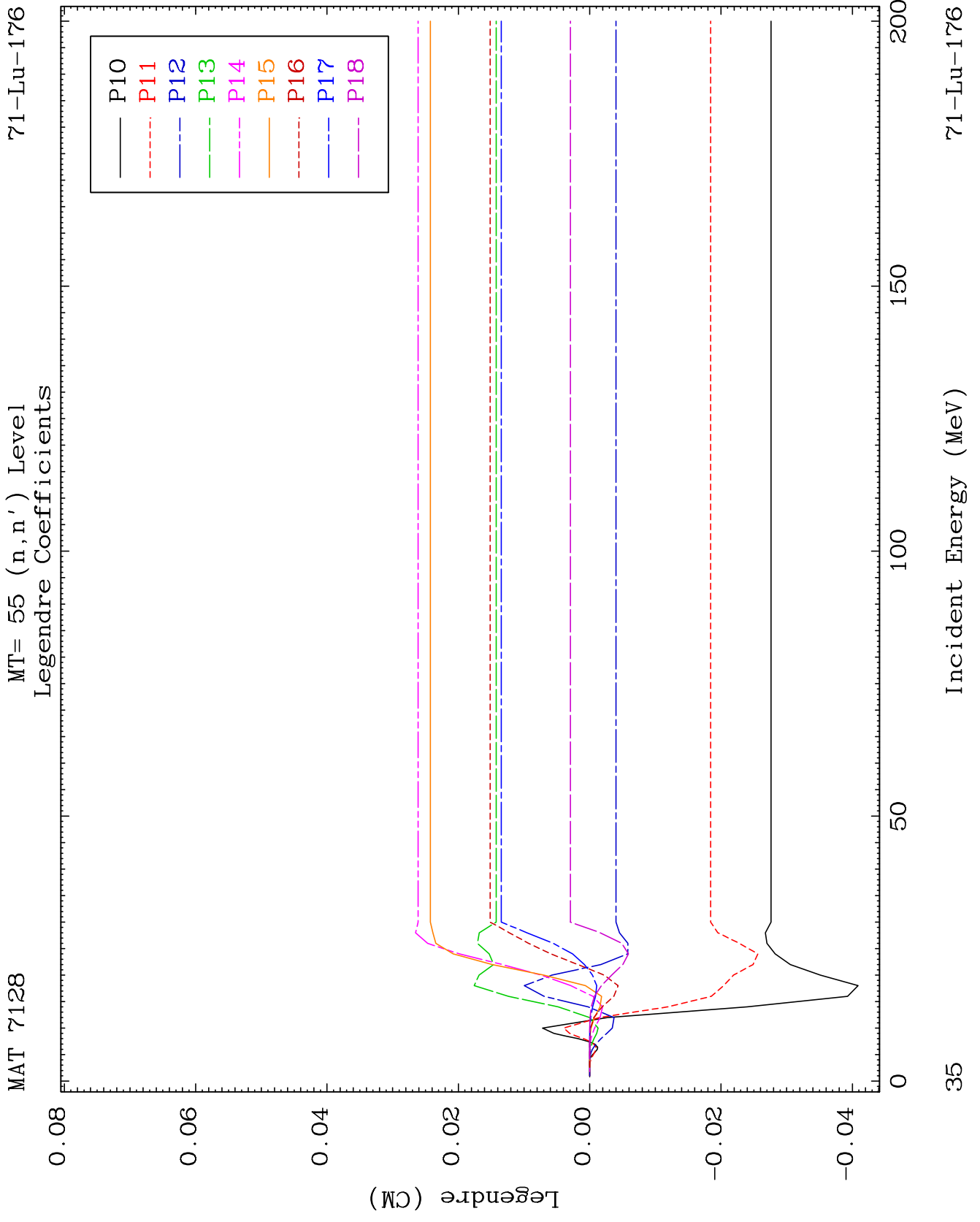
71-Lu-176

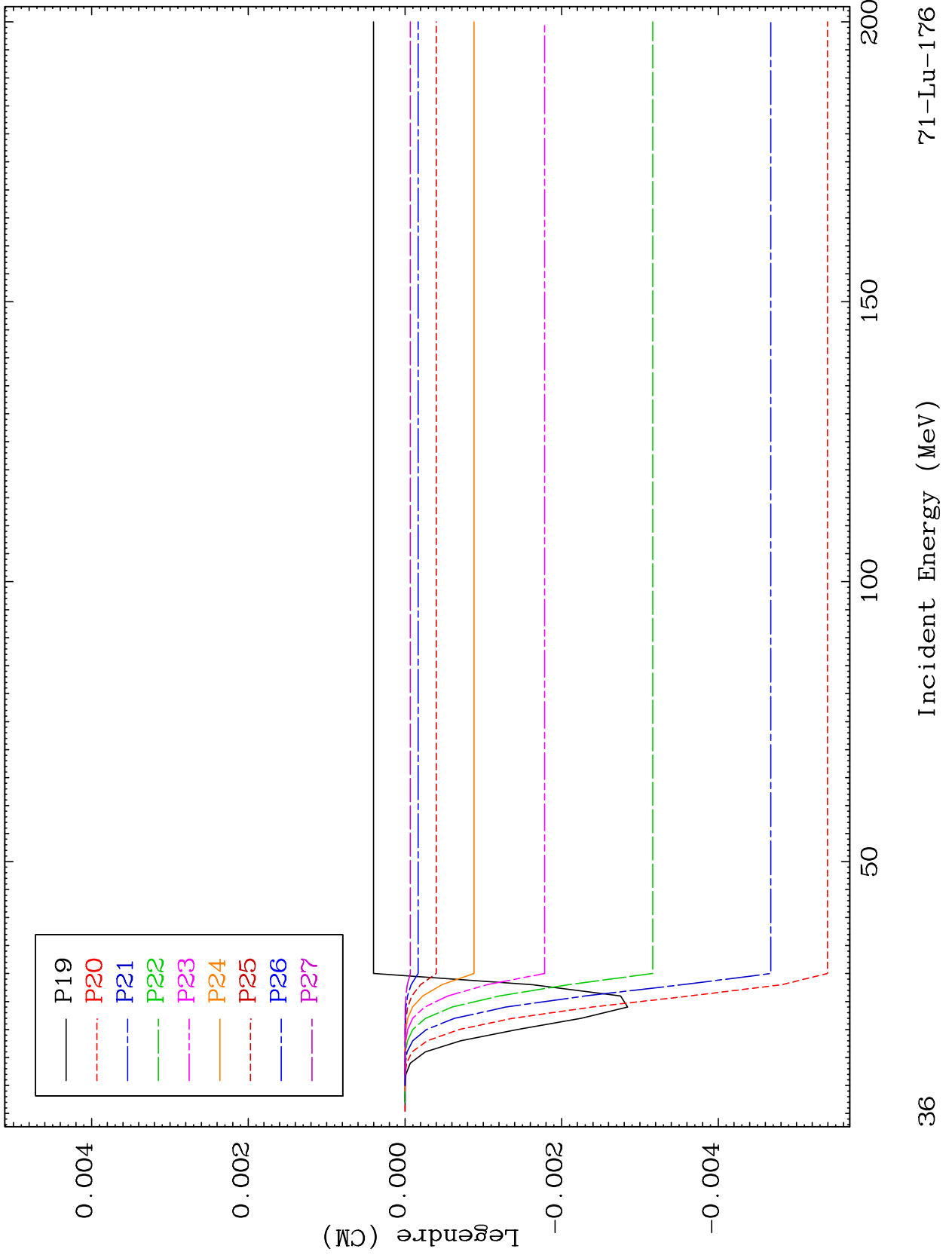


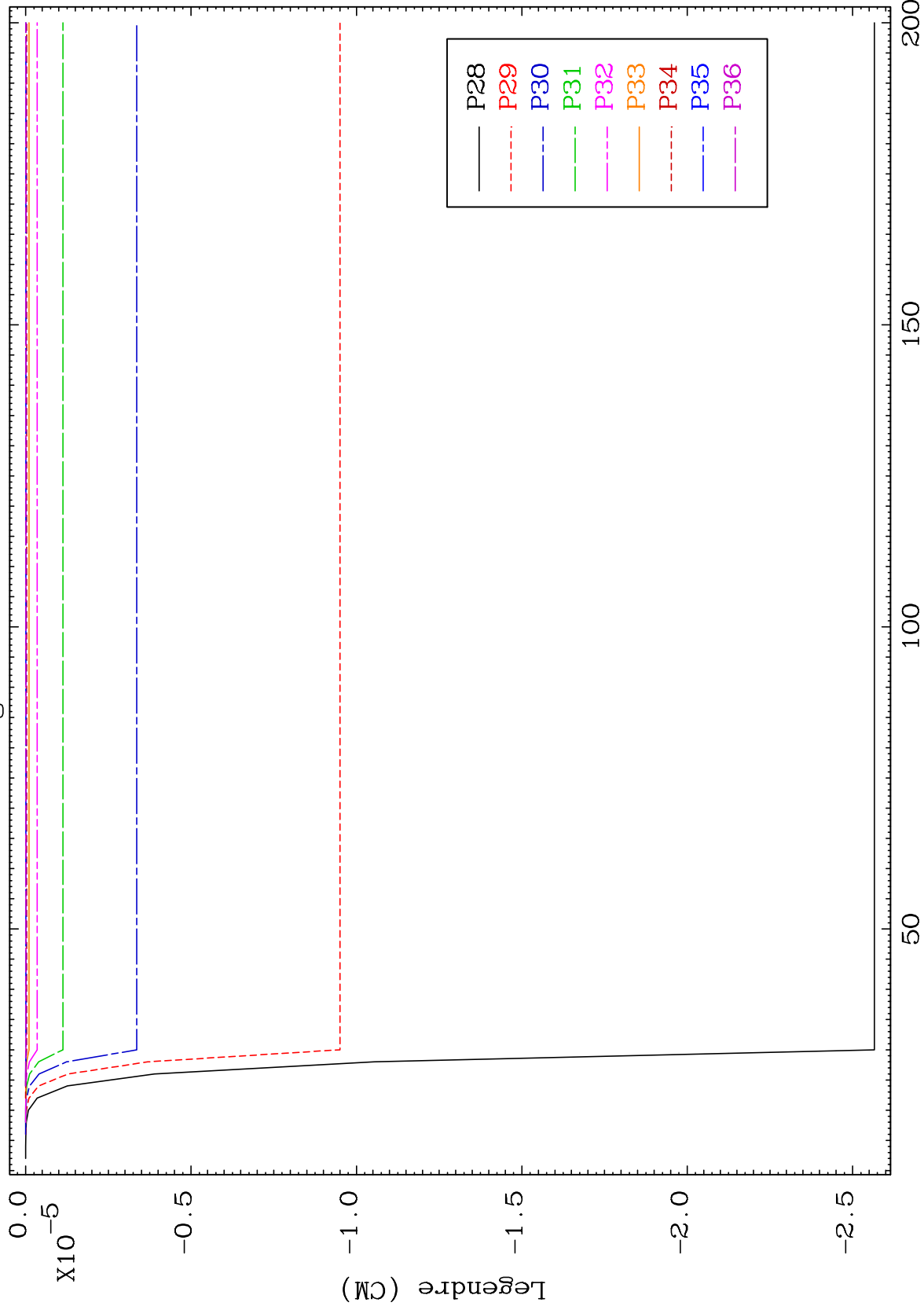
34

Incident Energy (MeV)

71-Lu-176



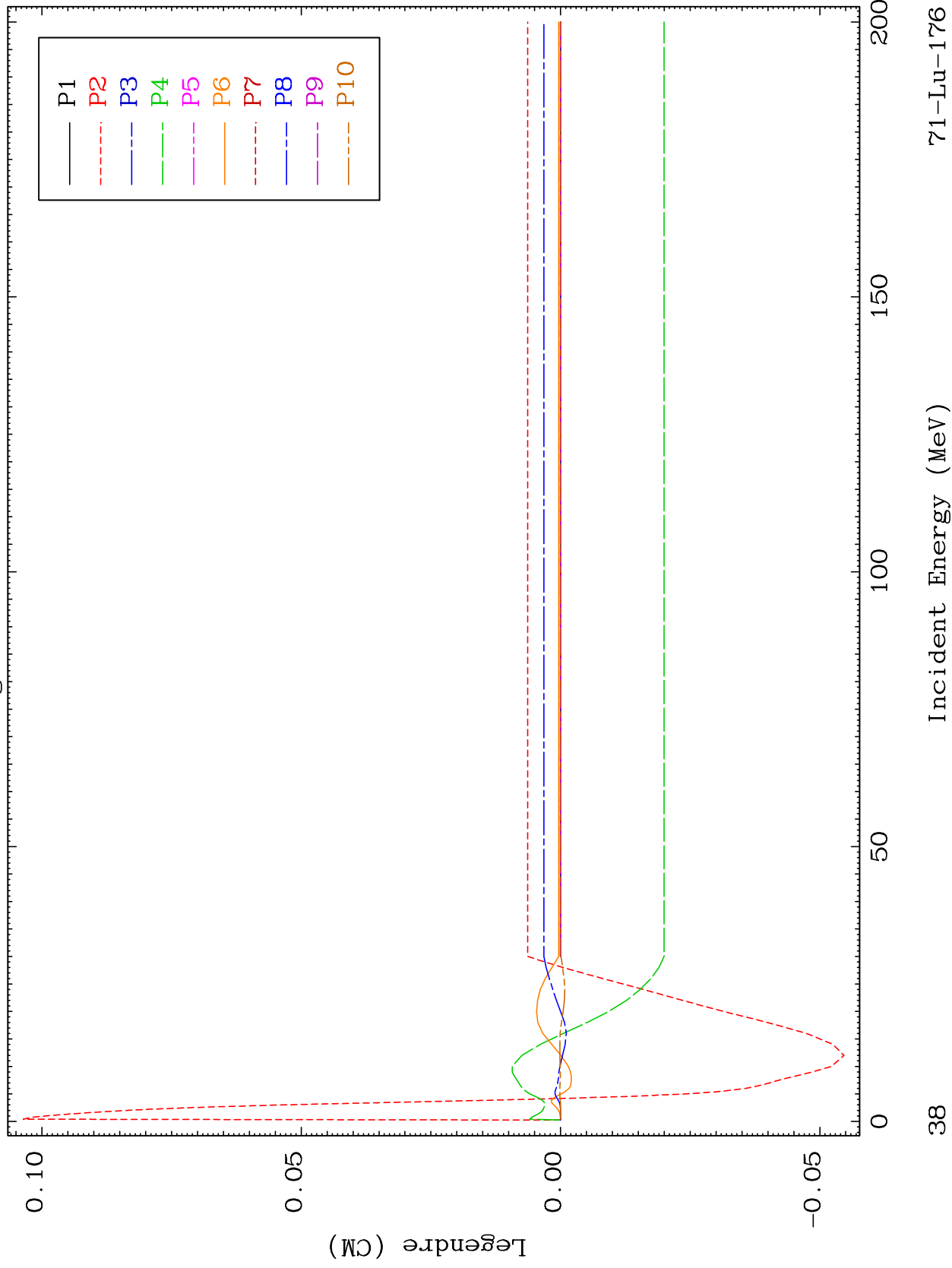




MAT 7128

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

71-Lu-176



71-Lu-176

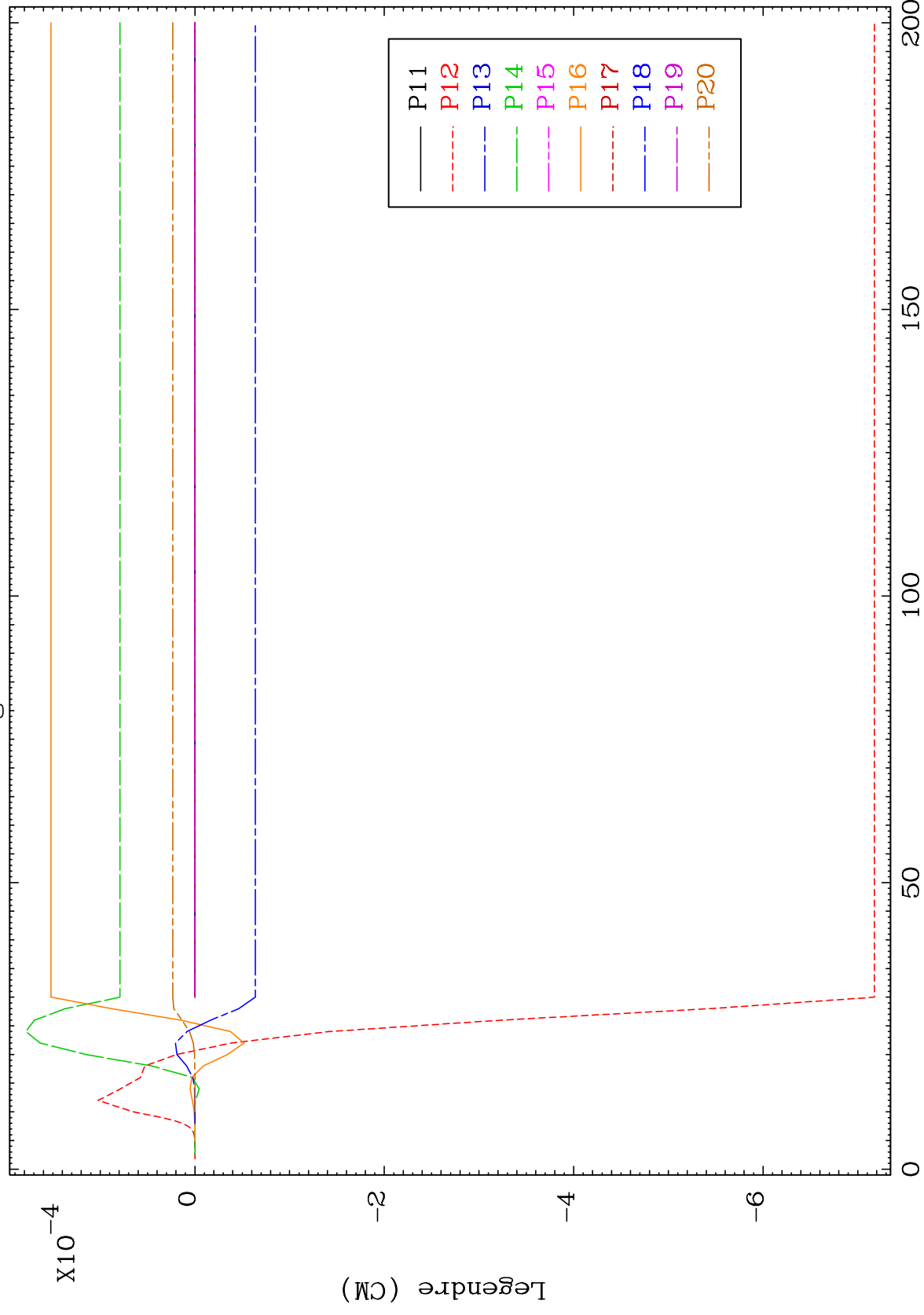
Incident Energy (MeV)

38

MAT 7128

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

71-Lu-176

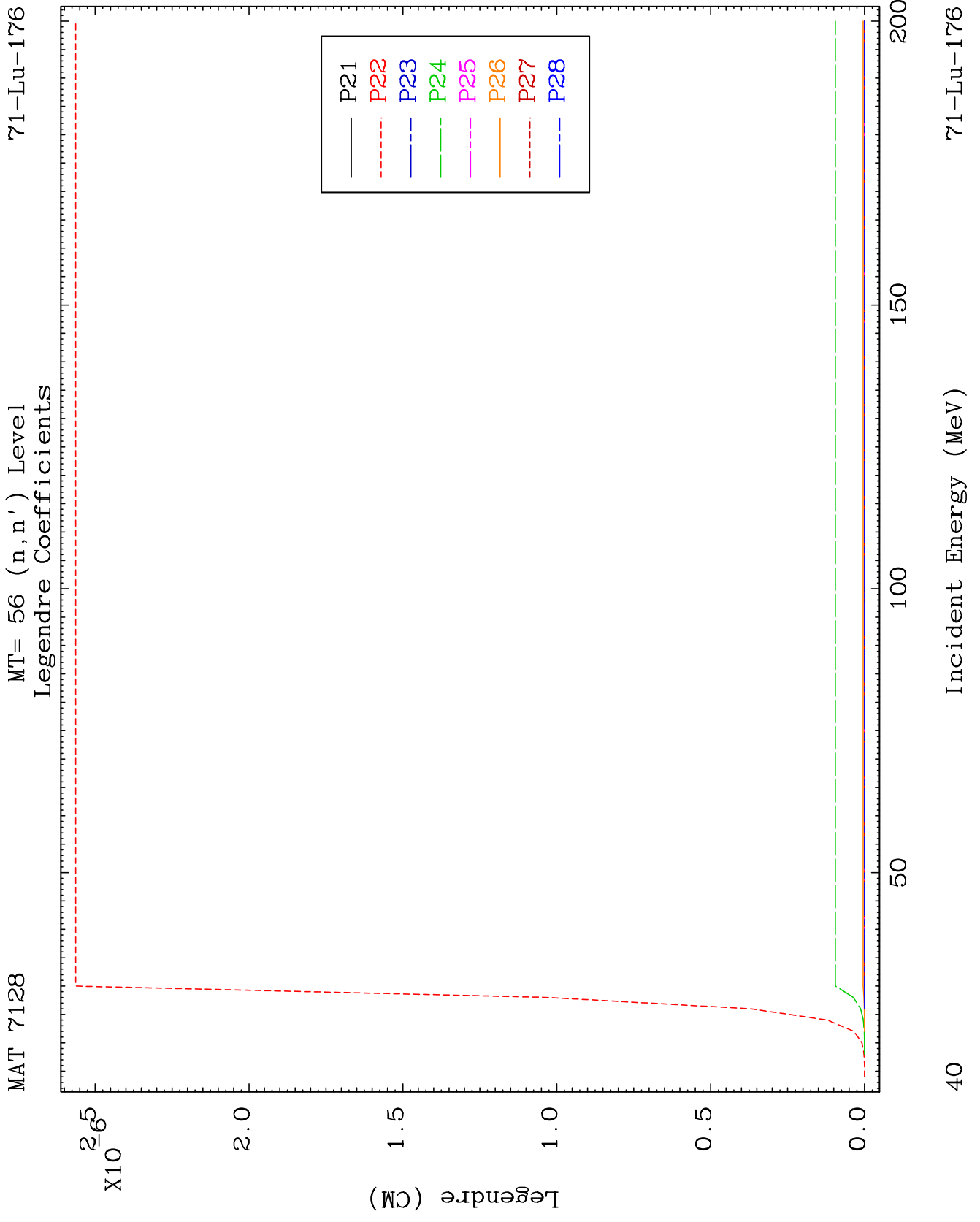


39

Incident Energy (MeV)

71-Lu-176

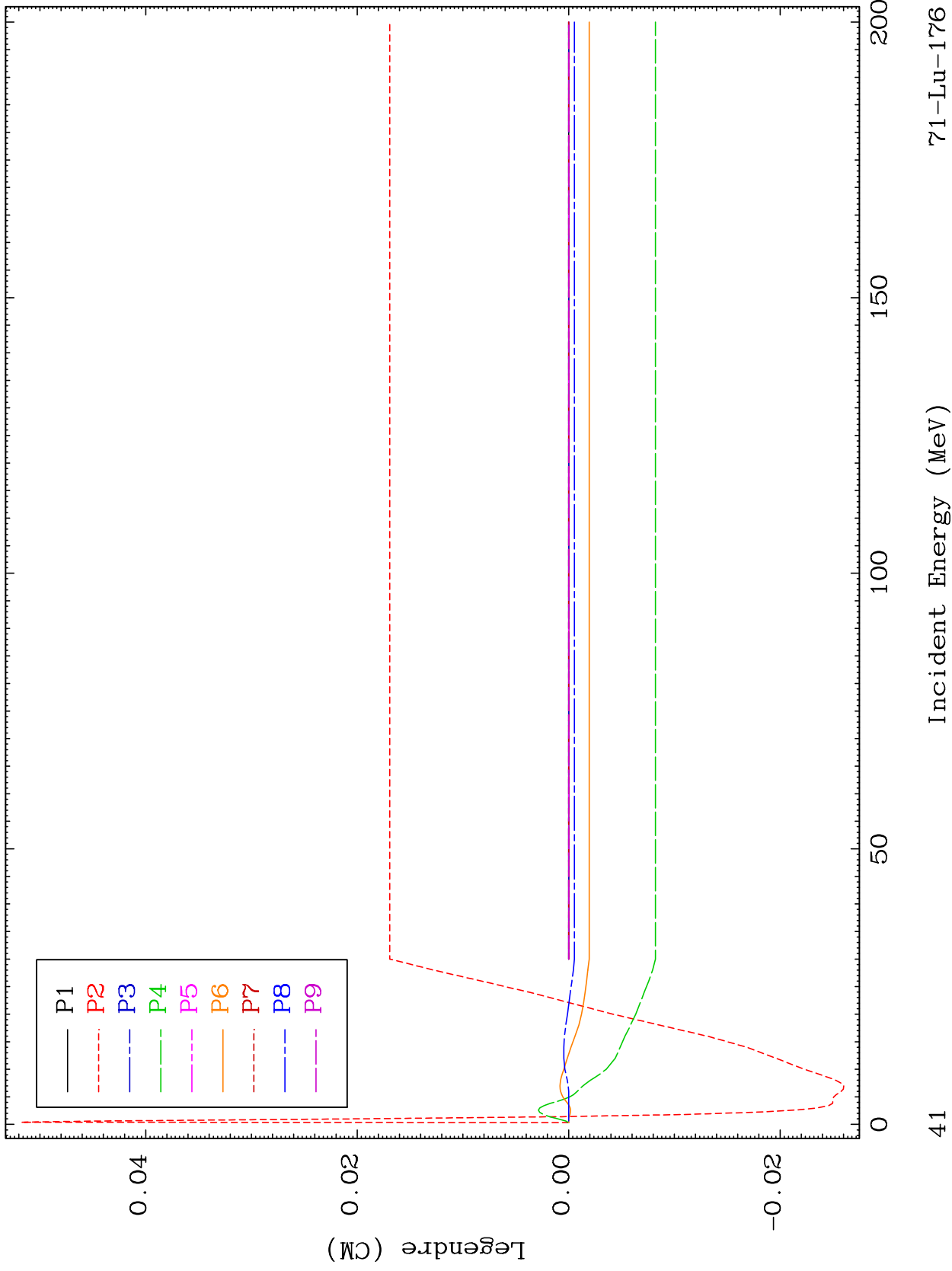




MAT 7128

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

71-Lu-176



71-Lu-176

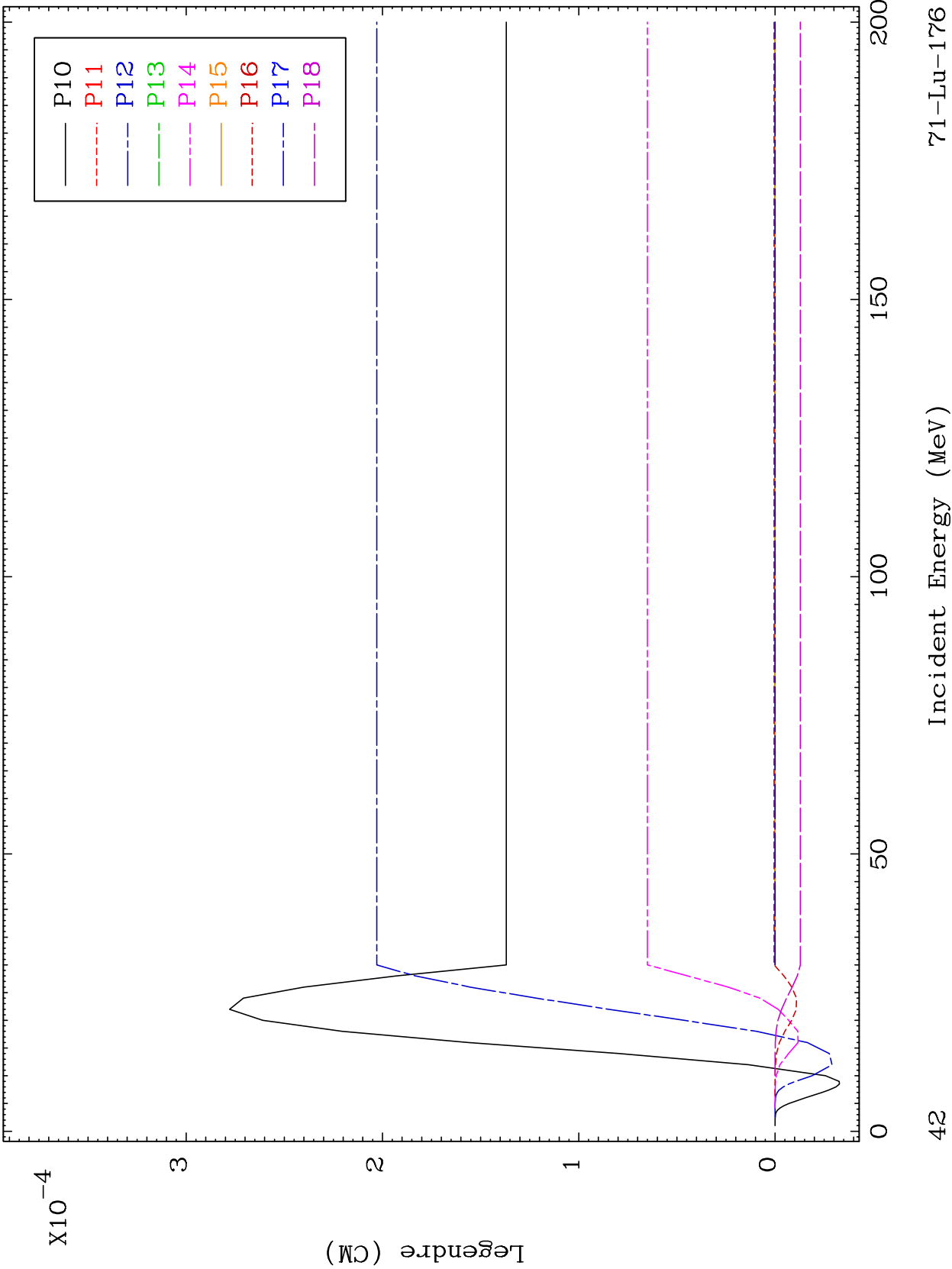
Incident Energy (MeV)

41

MAT 7128

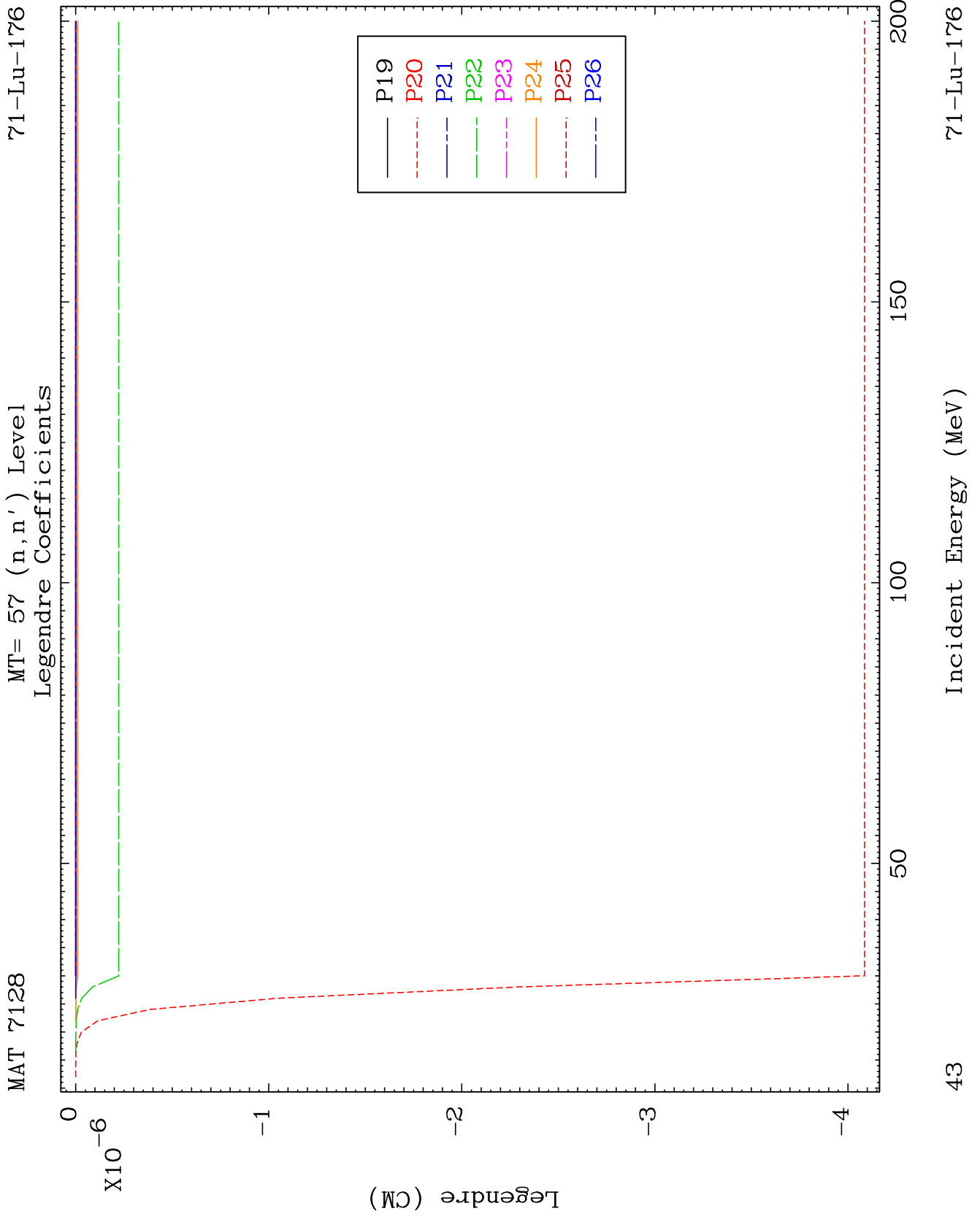
MT= 57 (n,n') Level  
Legendre Coefficients

71-Lu-176



42

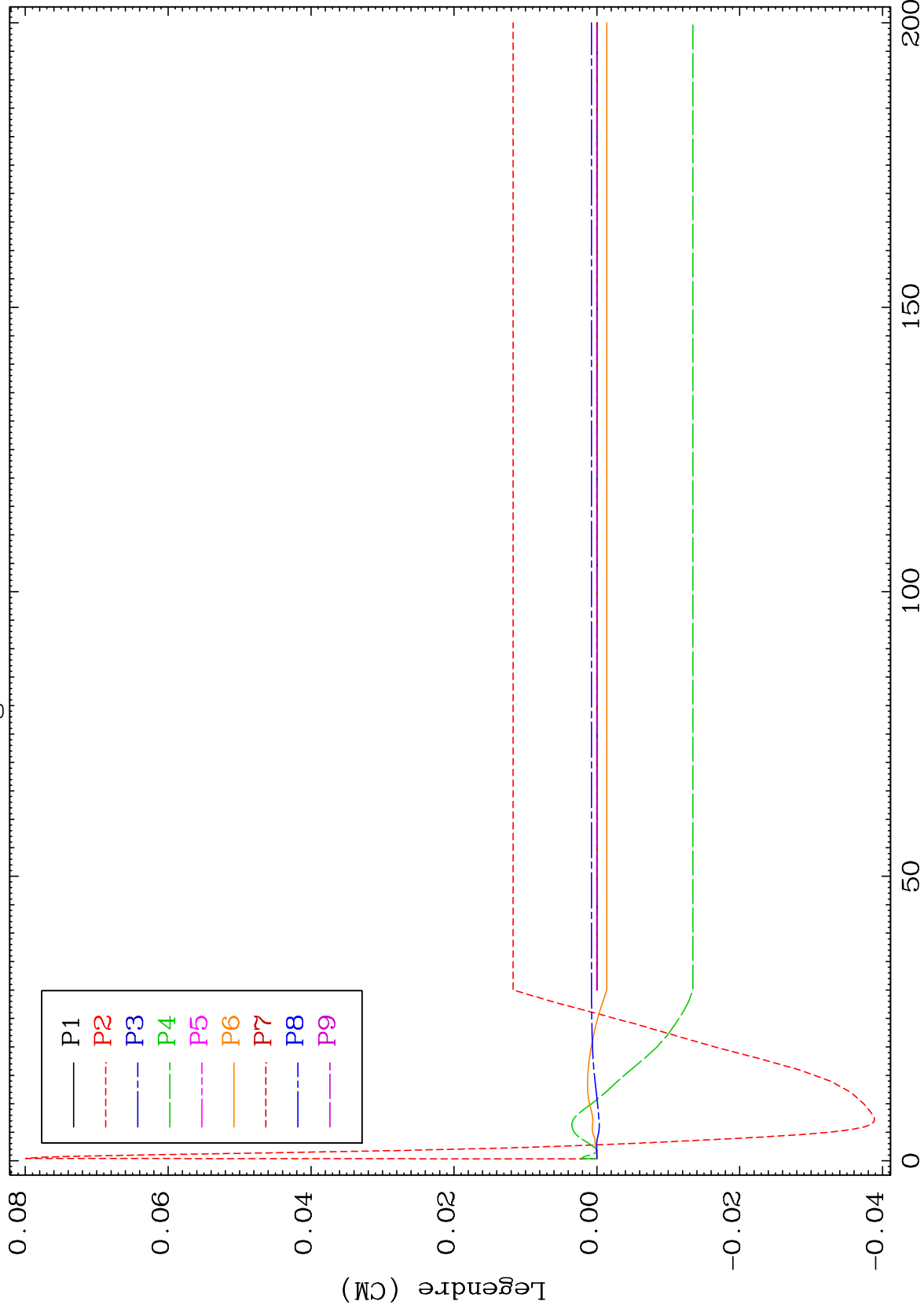
71-Lu-176



MAT 7128

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

71-Lu-176



71-Lu-176

Incident Energy (MeV)

44

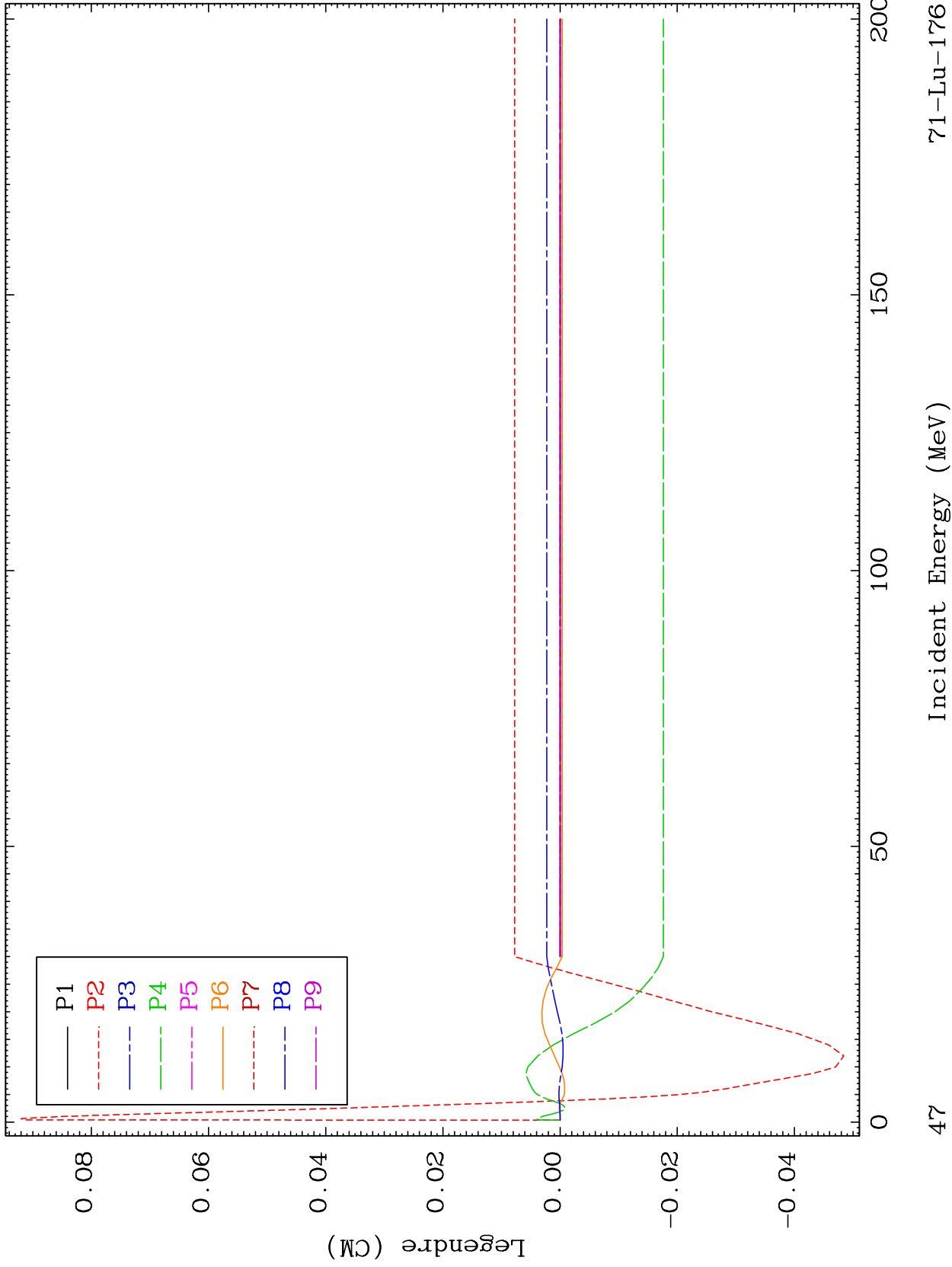




MAT 7128

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

71-Lu-176



71-Lu-176

Incident Energy (MeV)

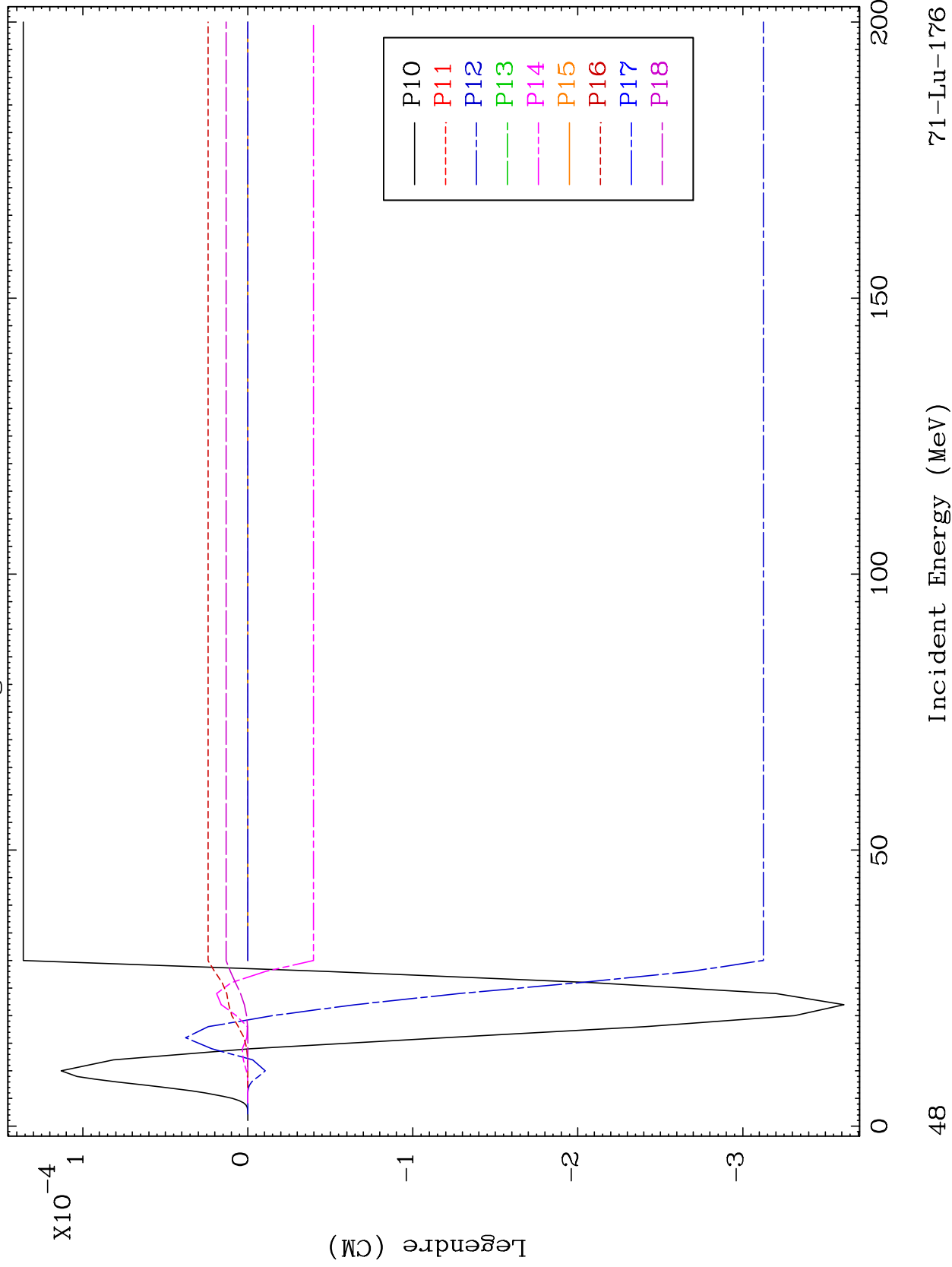
47



MAT 7128

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

71-Lu-176

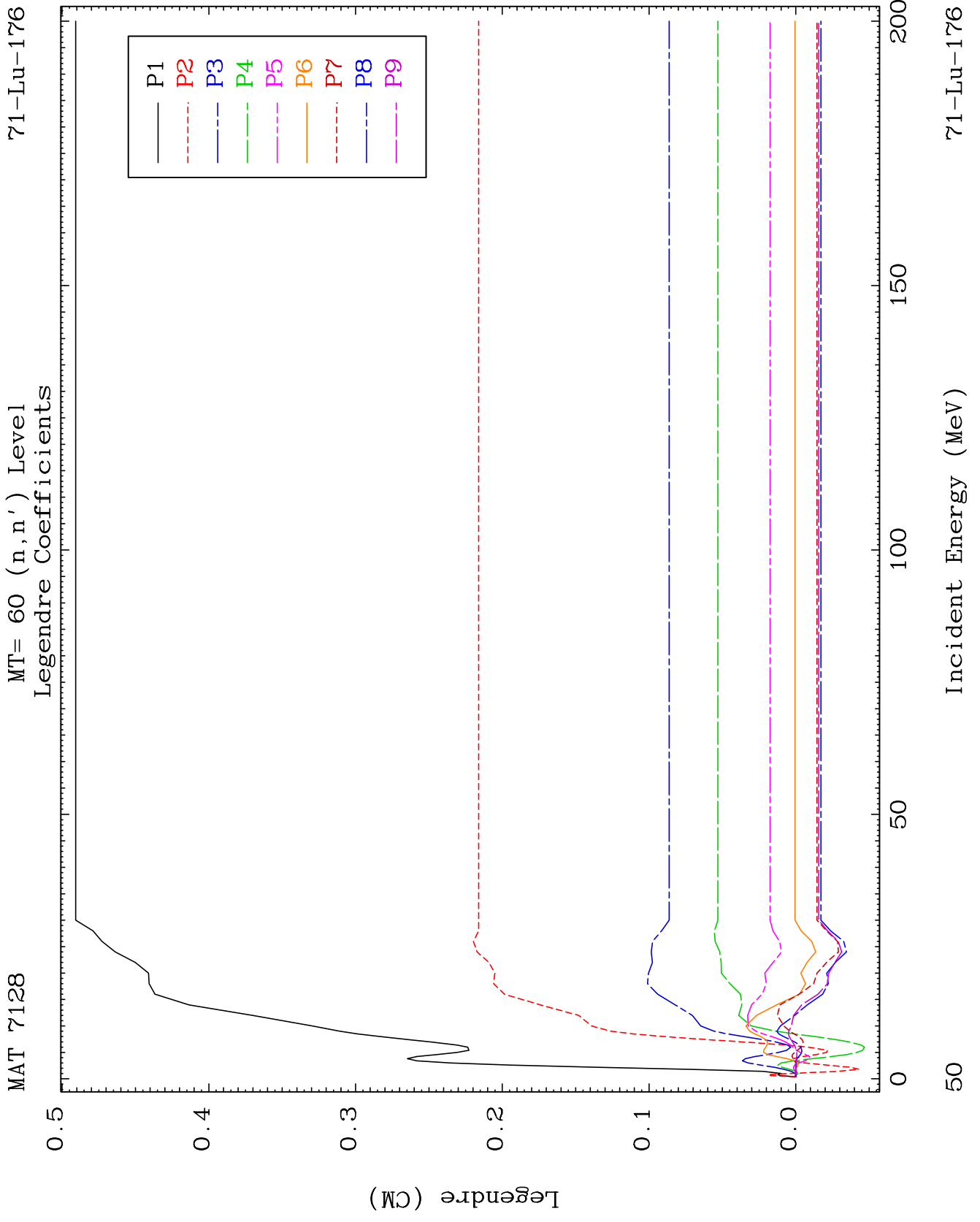


71-Lu-176

Incident Energy (MeV)

48

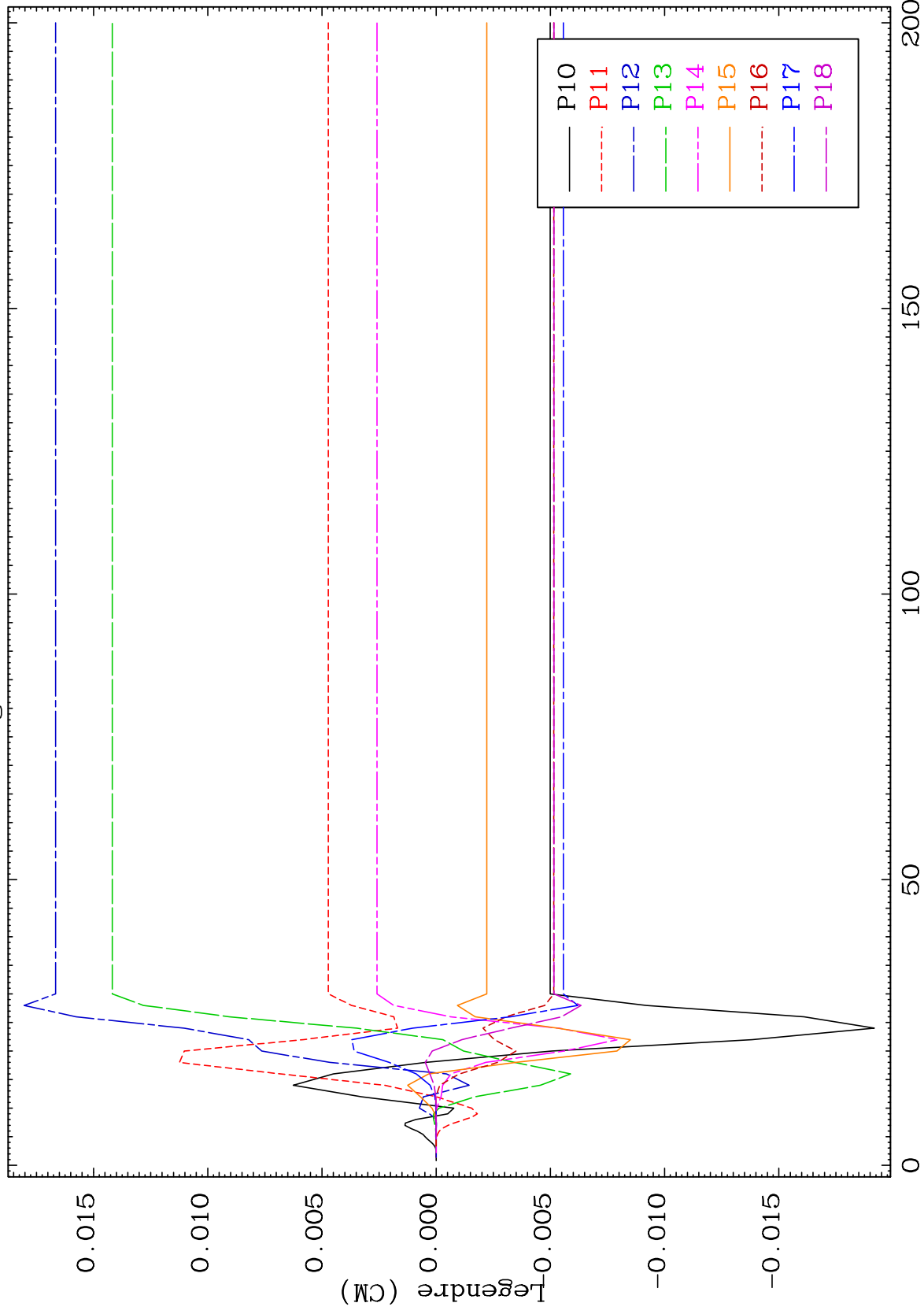




MAT 7128

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

71-Lu-176



51

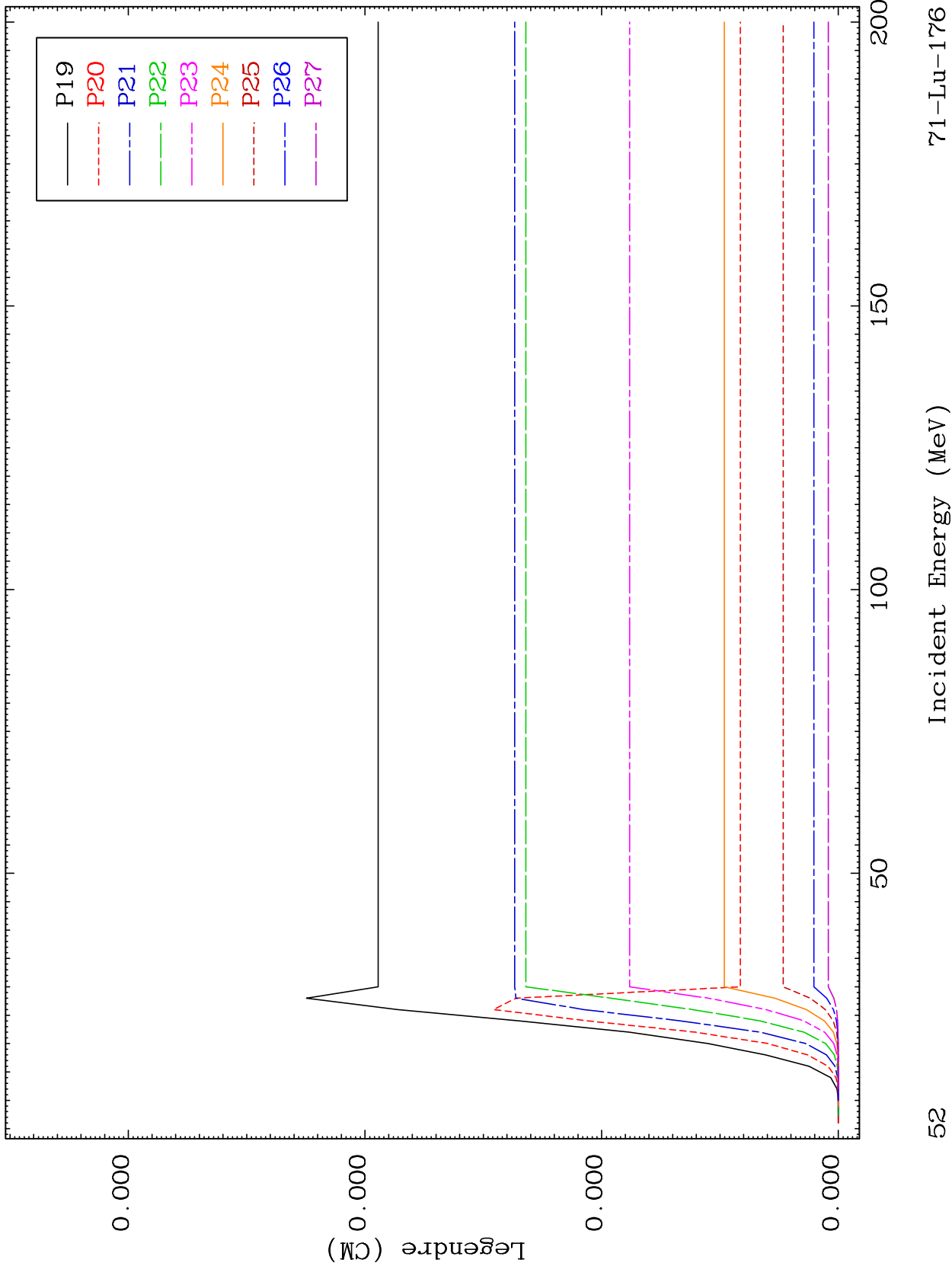
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



52

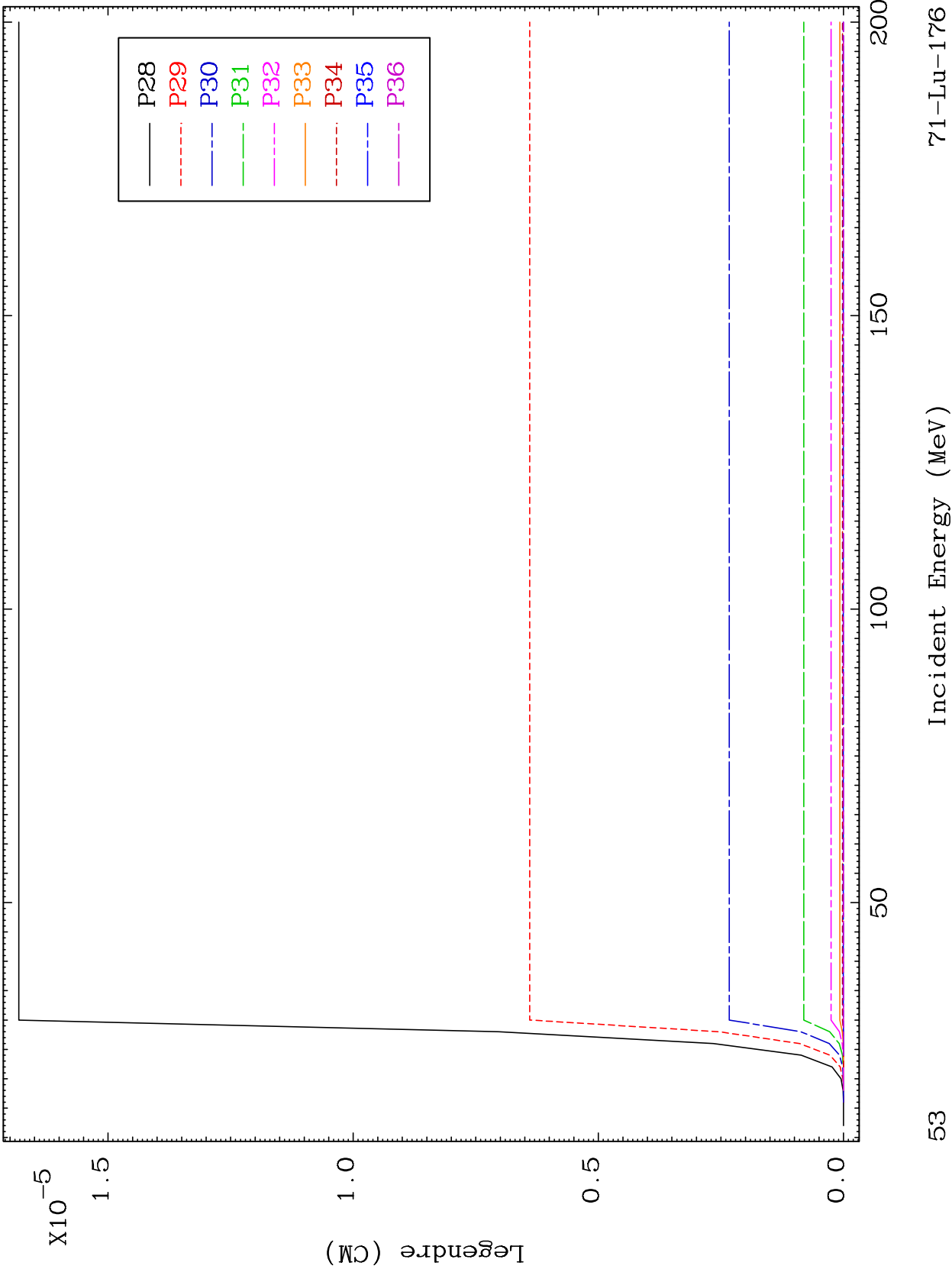
Incident Energy (MeV)

71-Lu-176

MAT 7128

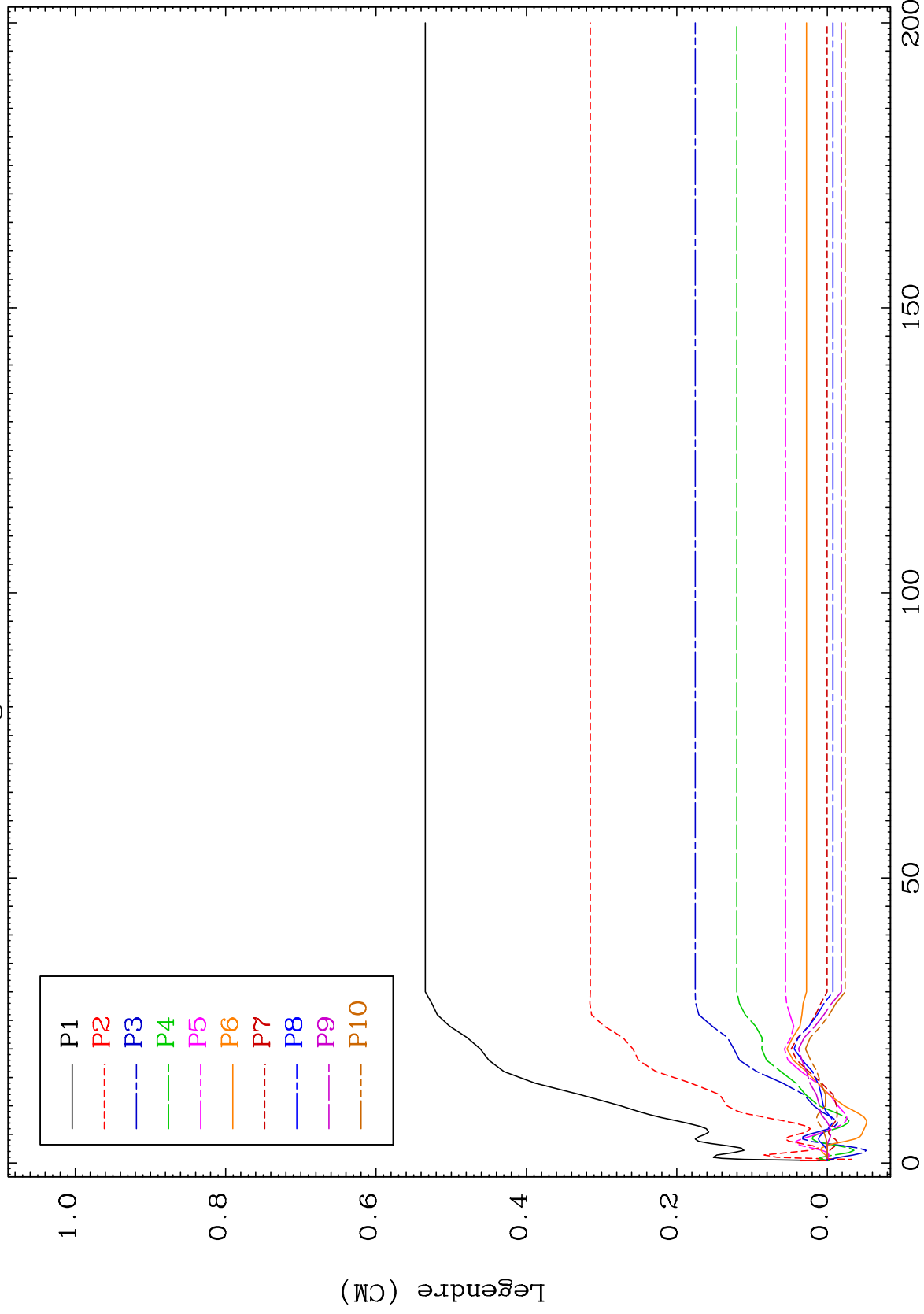
MT= 60 (n,n') Level  
Legendre Coefficients

71-Lu-176



53

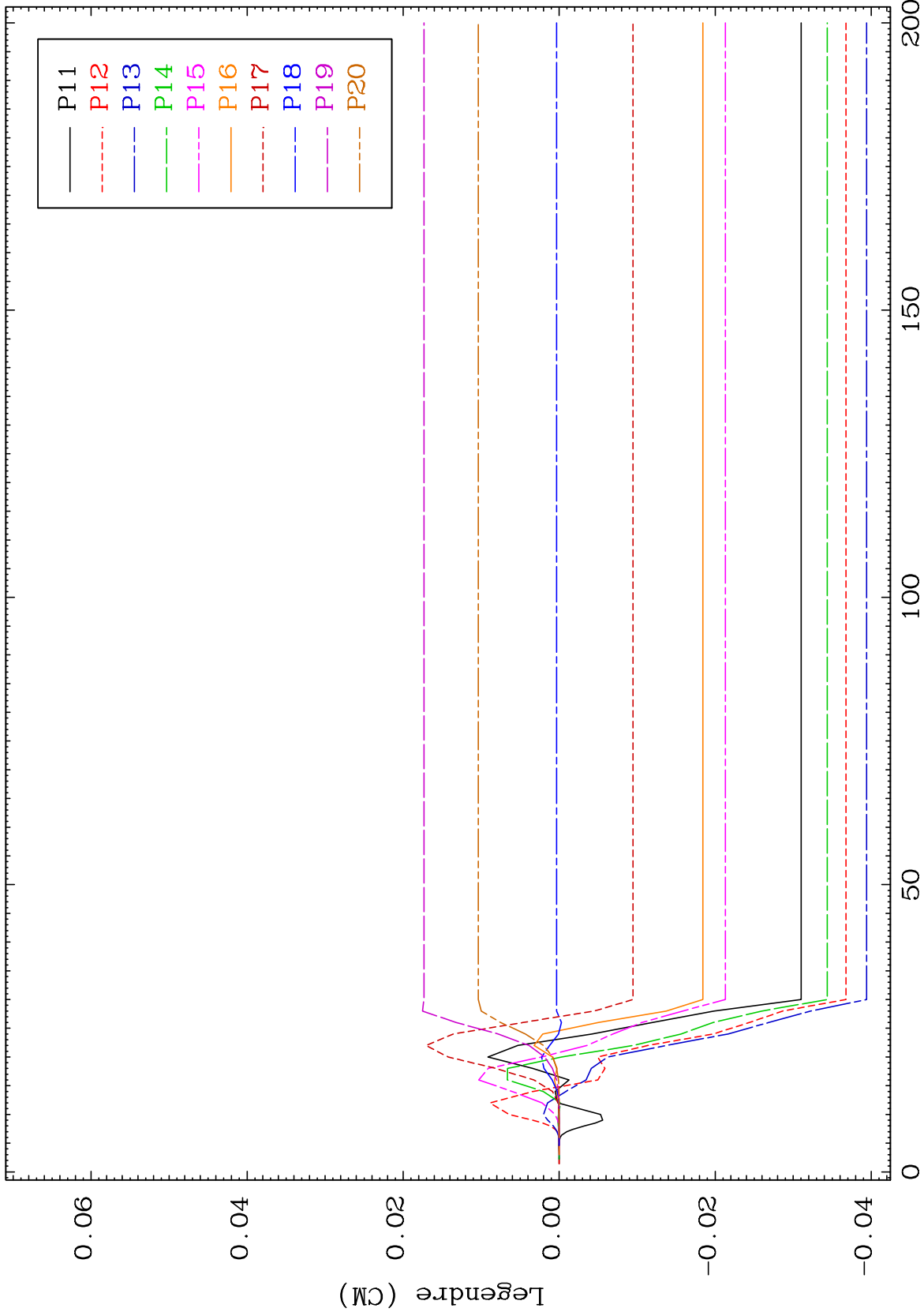
71-Lu-176



MAT 7128

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

71-Lu-176

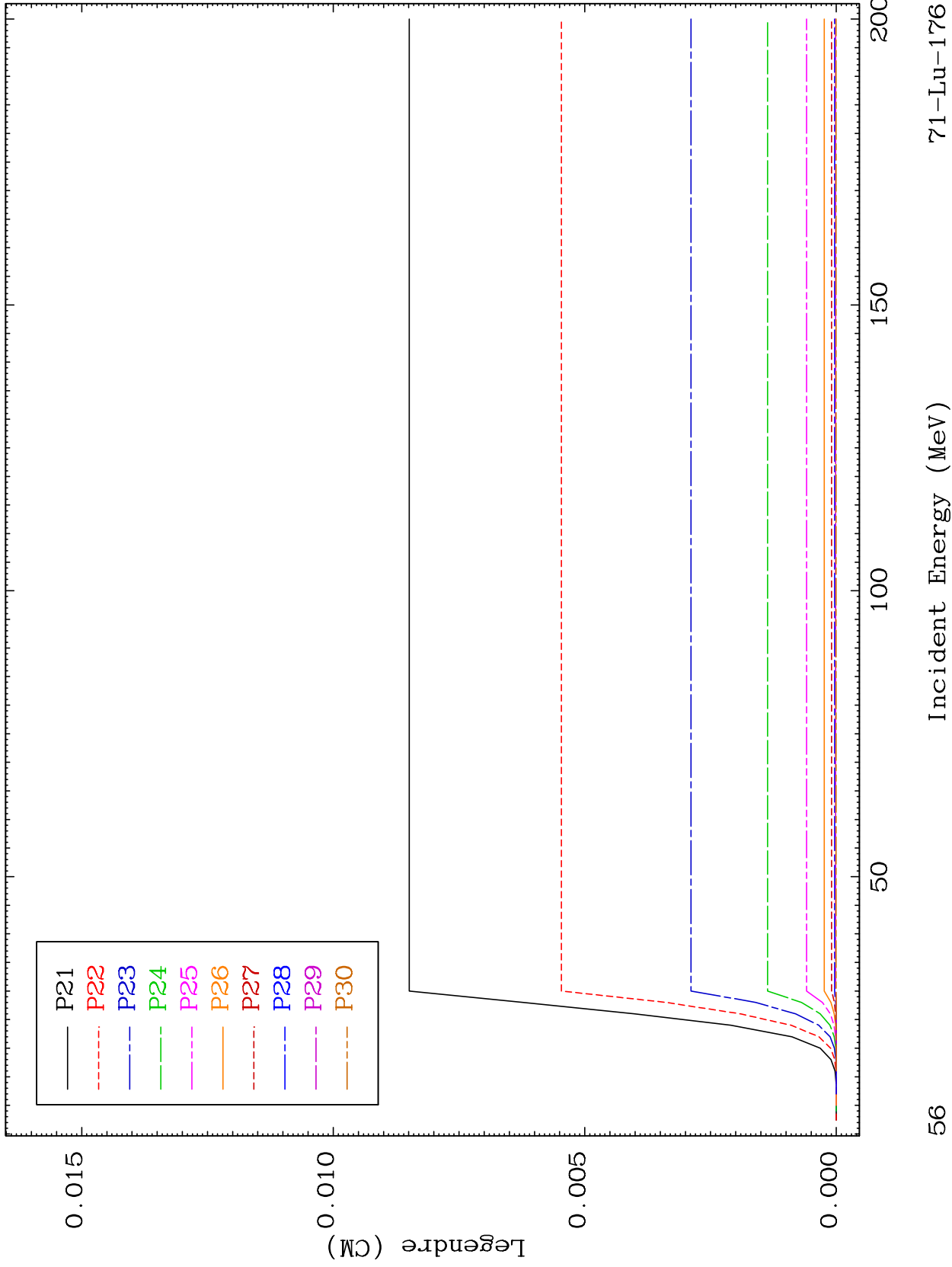


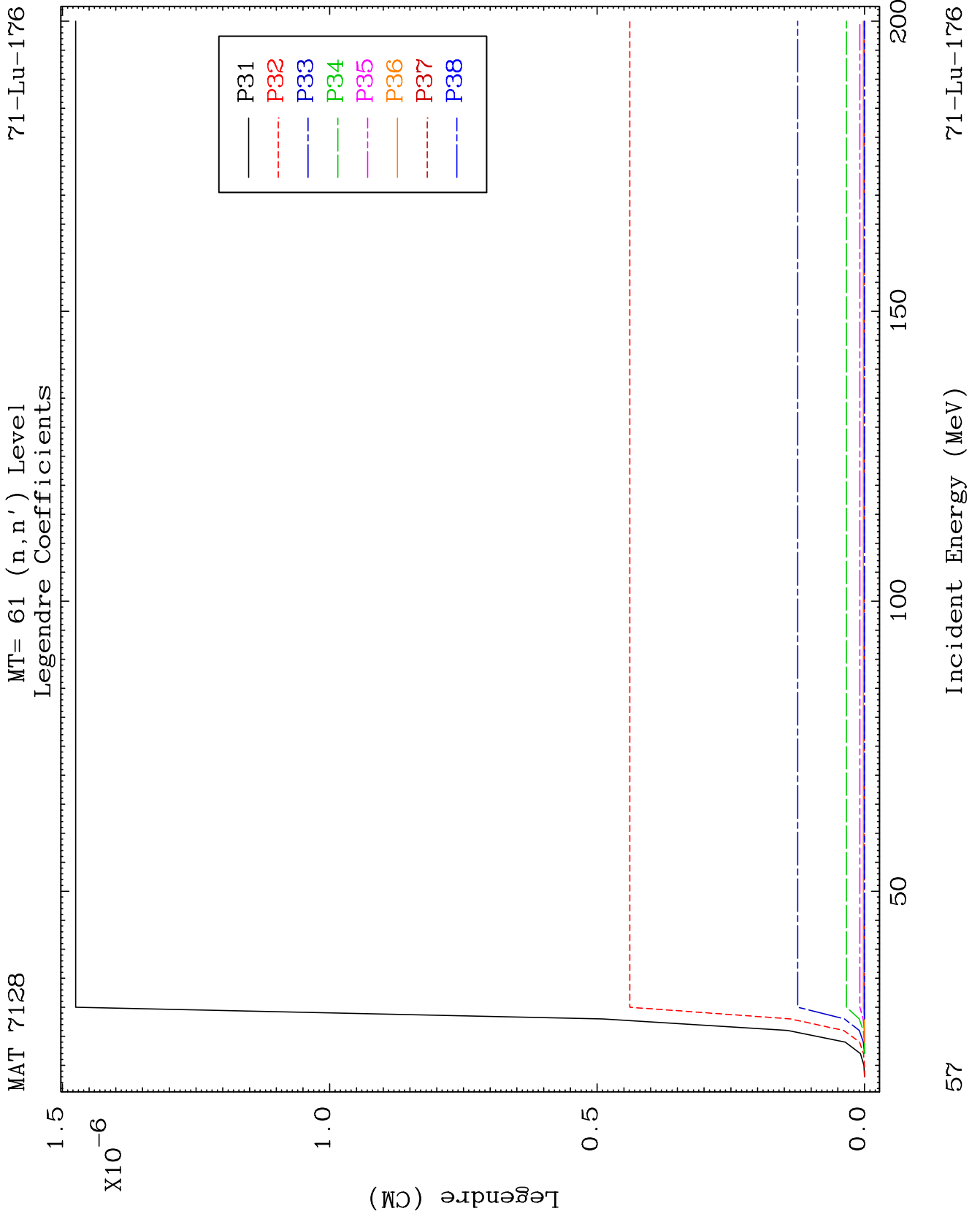
55

Incident Energy (MeV)

71-Lu-176



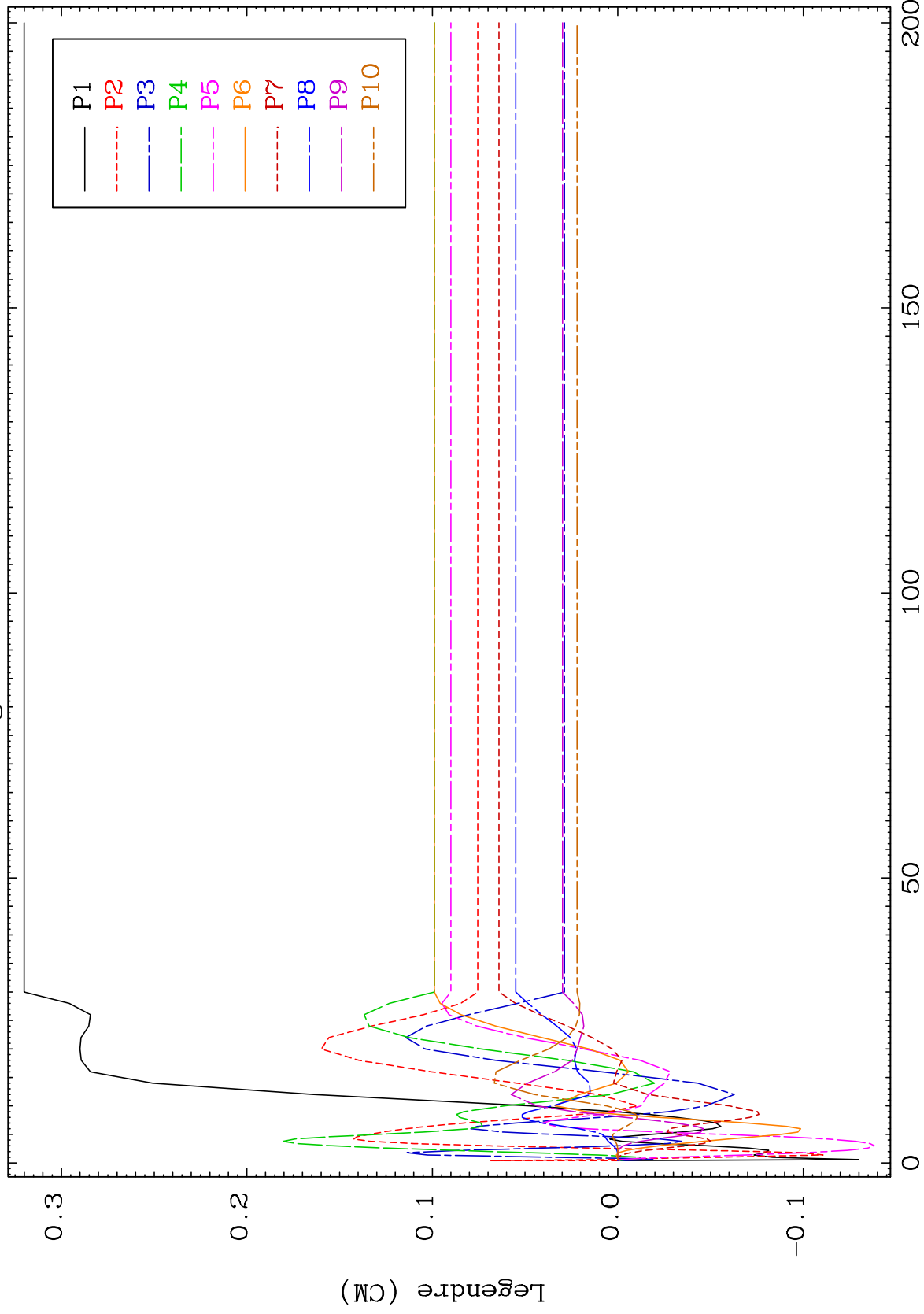




MAT 7128

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

71-Lu-176



58

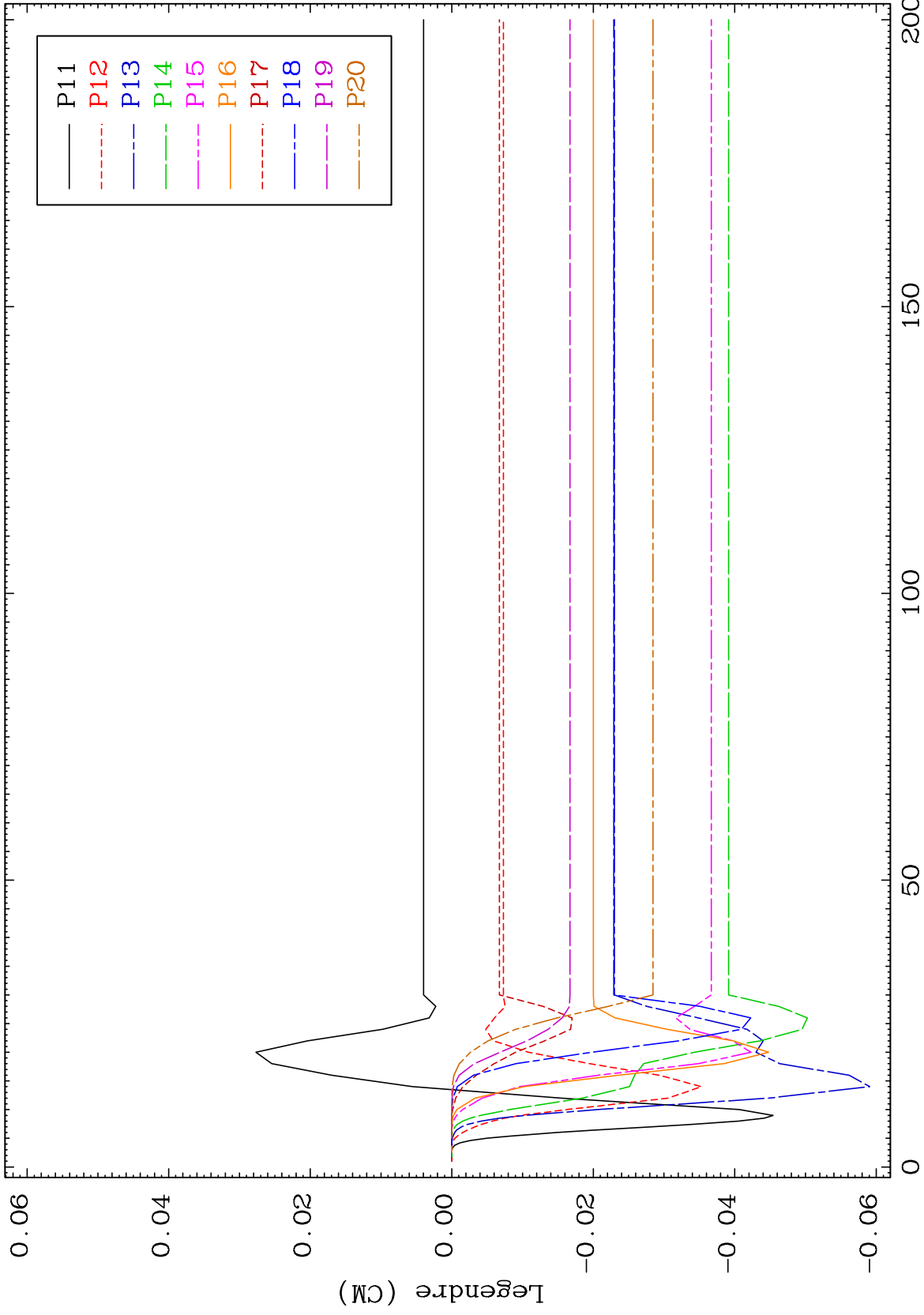
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

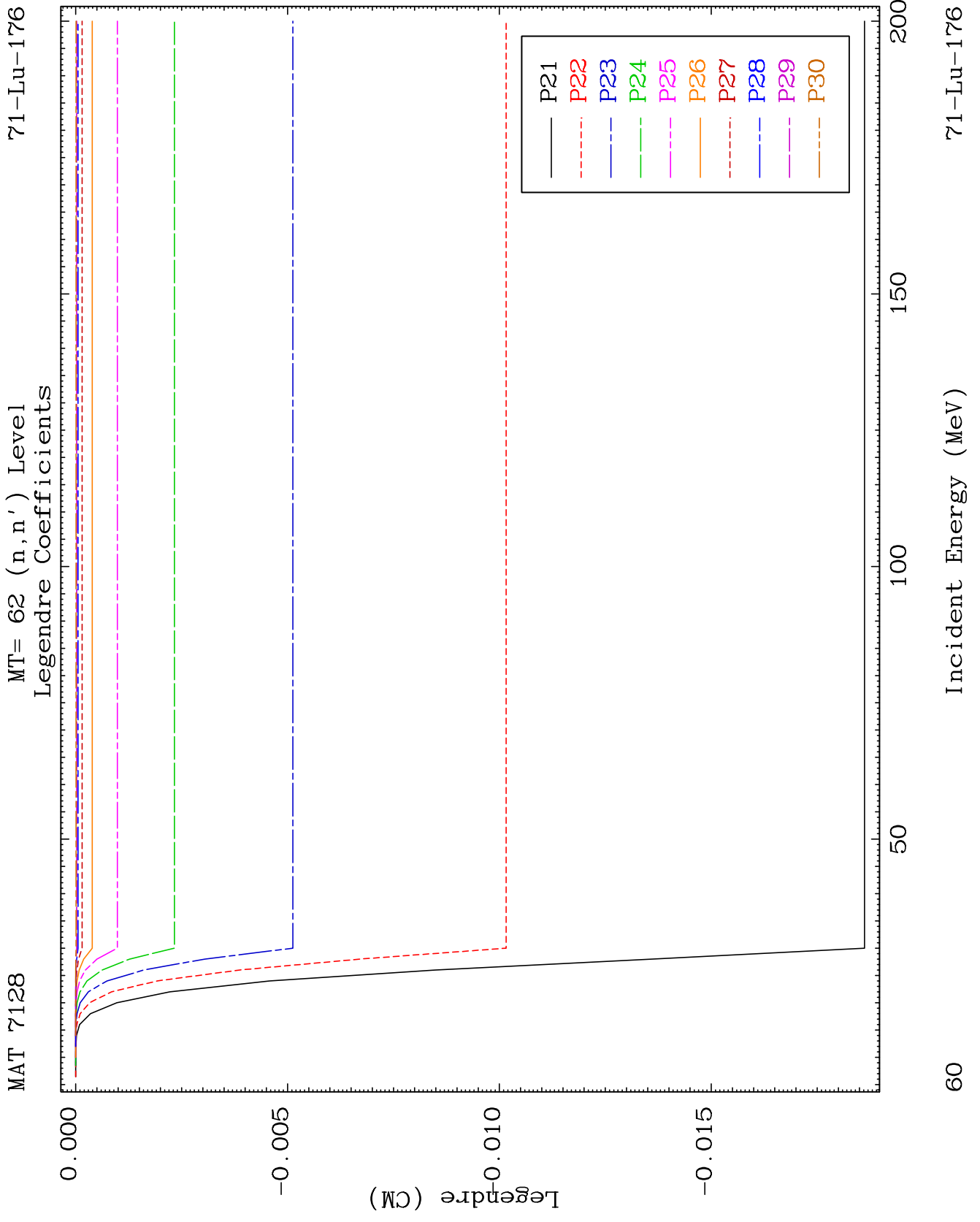
71-Lu-176

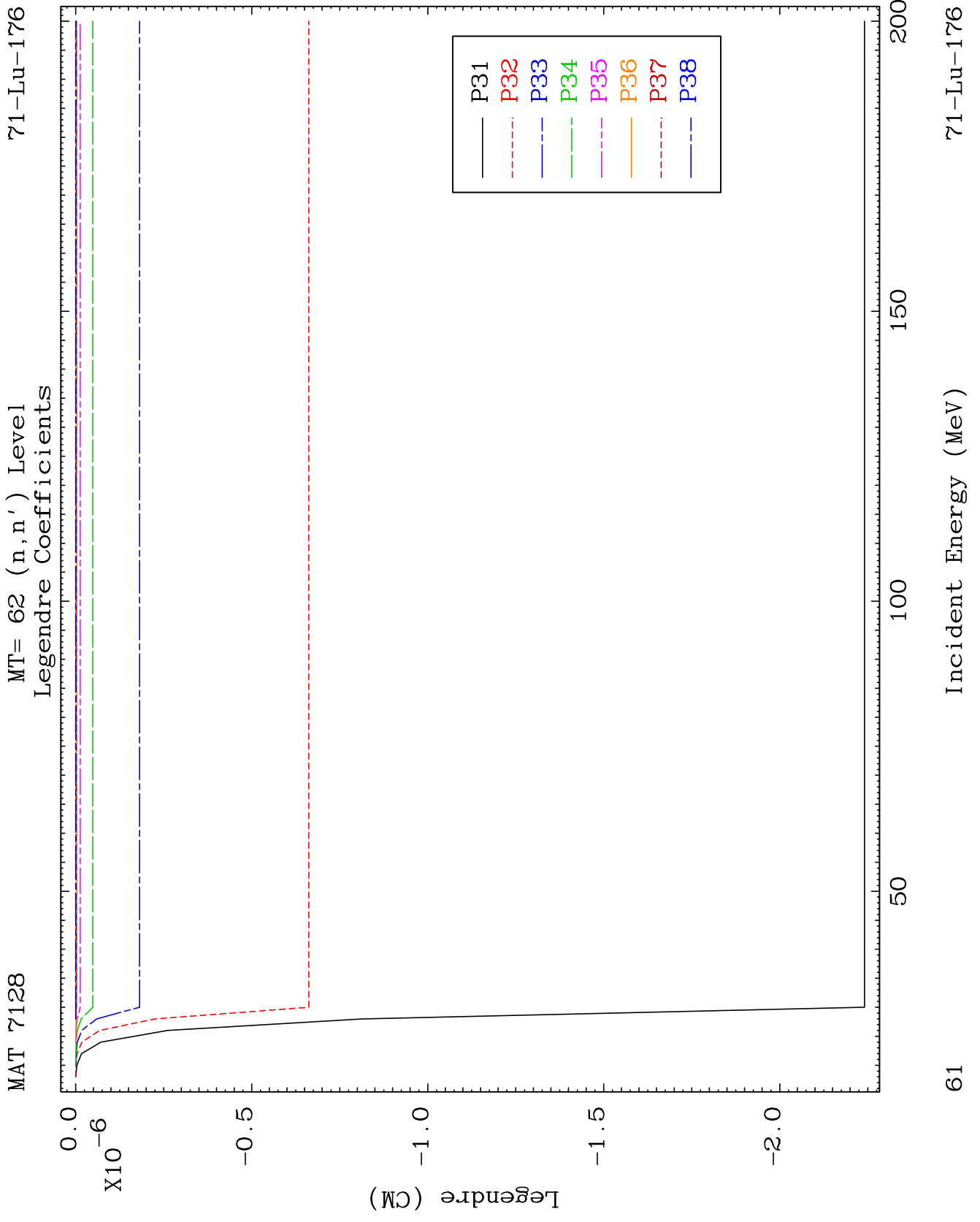


71-Lu-176

Incident Energy (MeV)

59

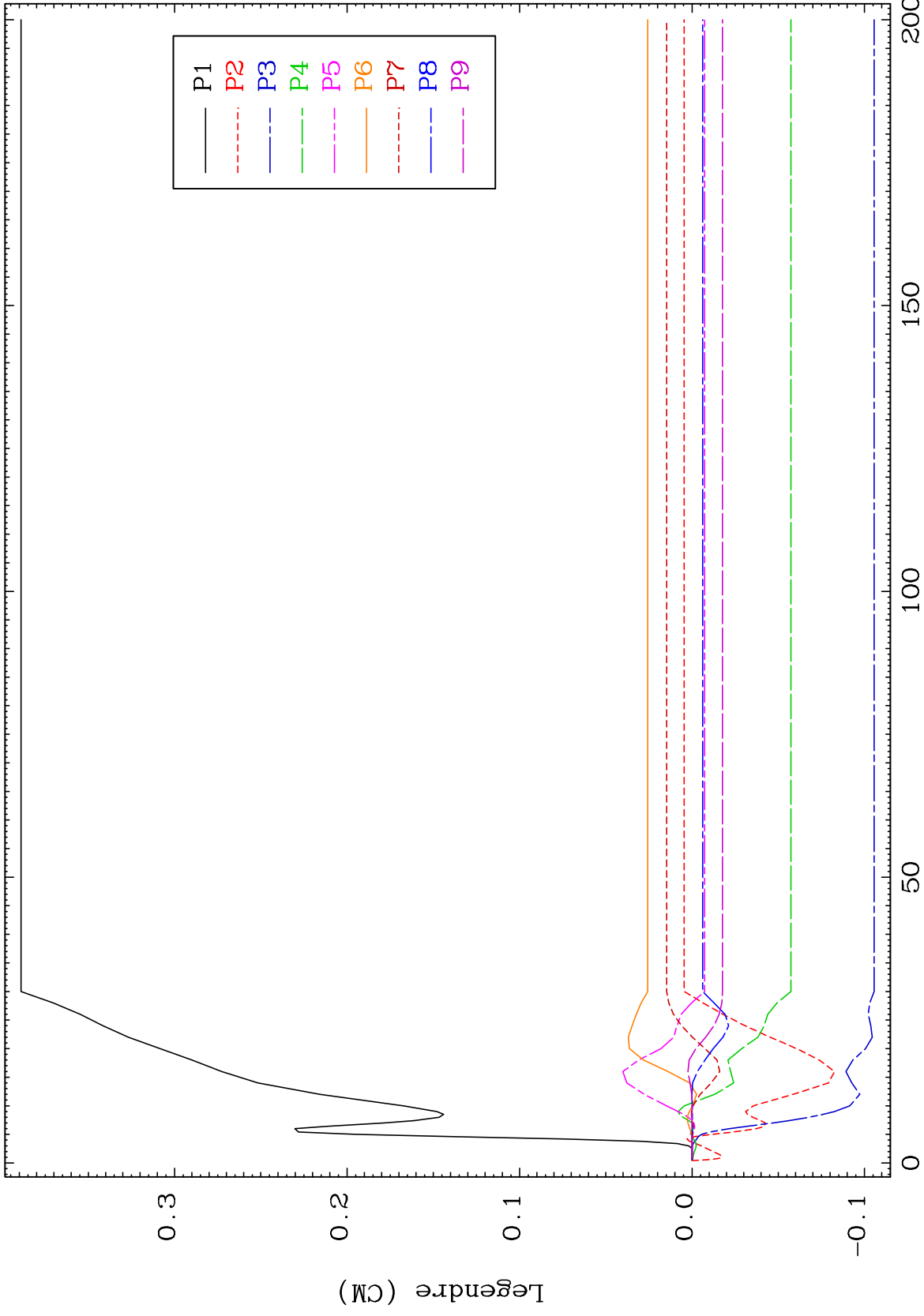




MAT 7128

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

71-Lu-176



62

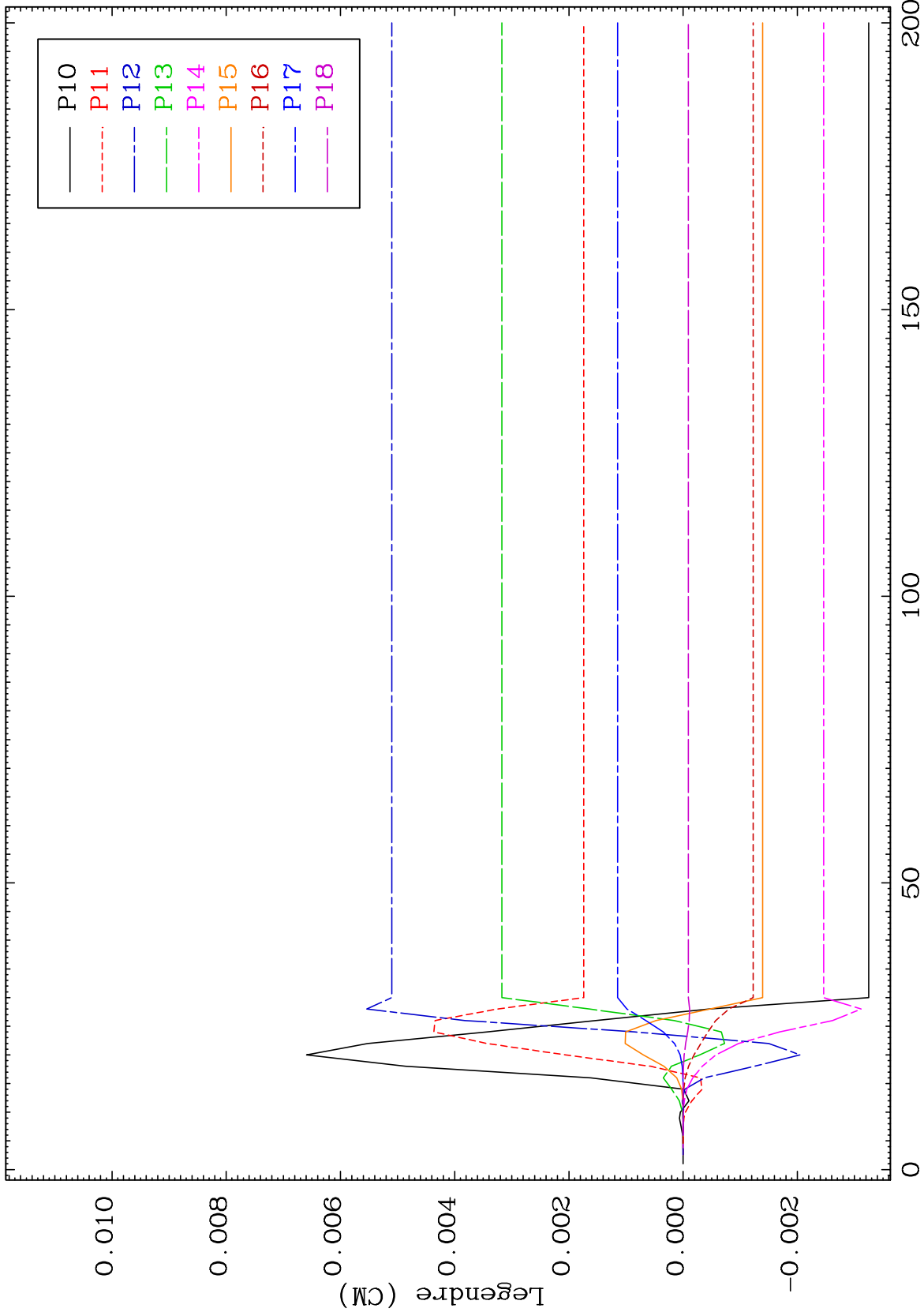
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



63

Incident Energy (MeV)

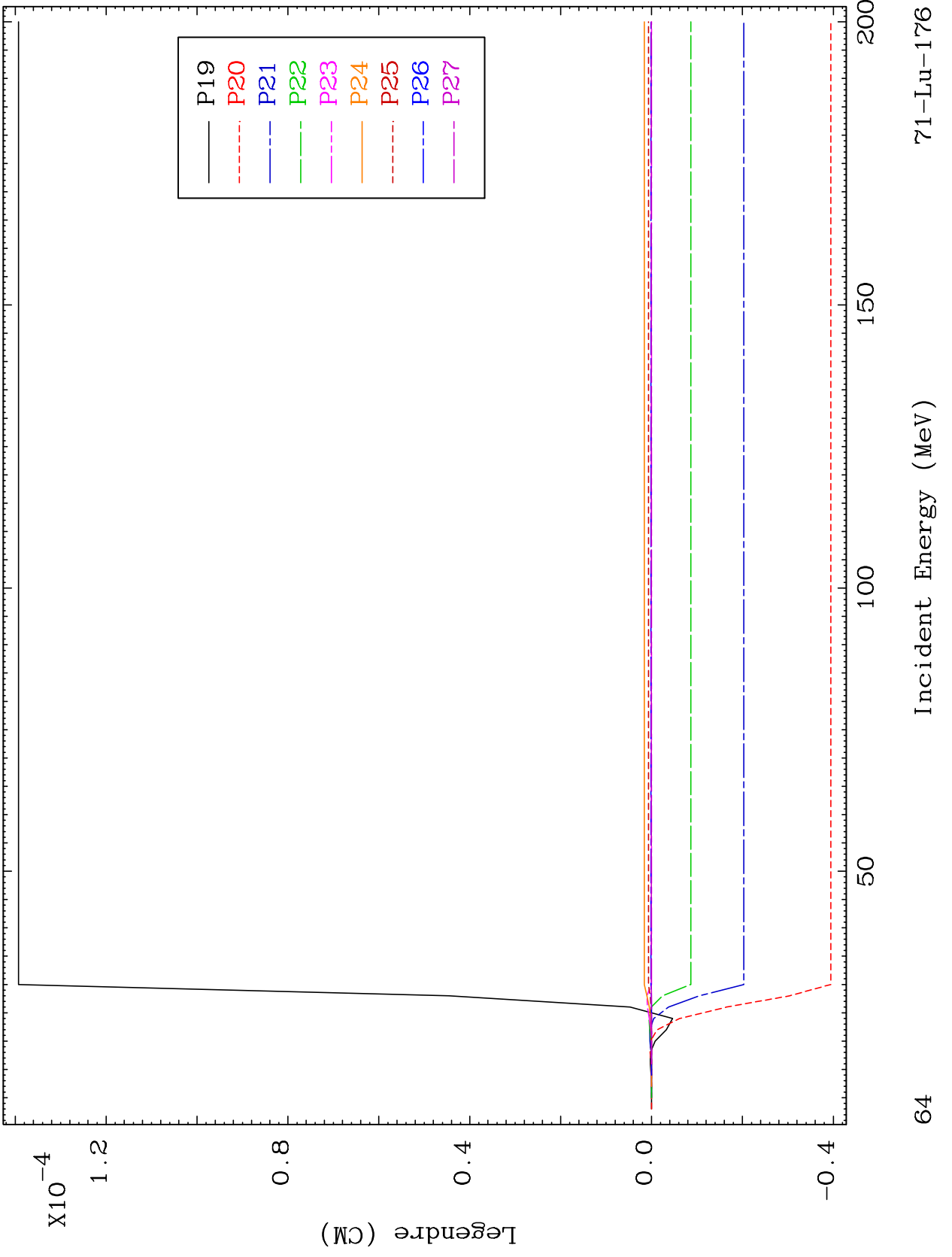
71-Lu-176



MAT 7128

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

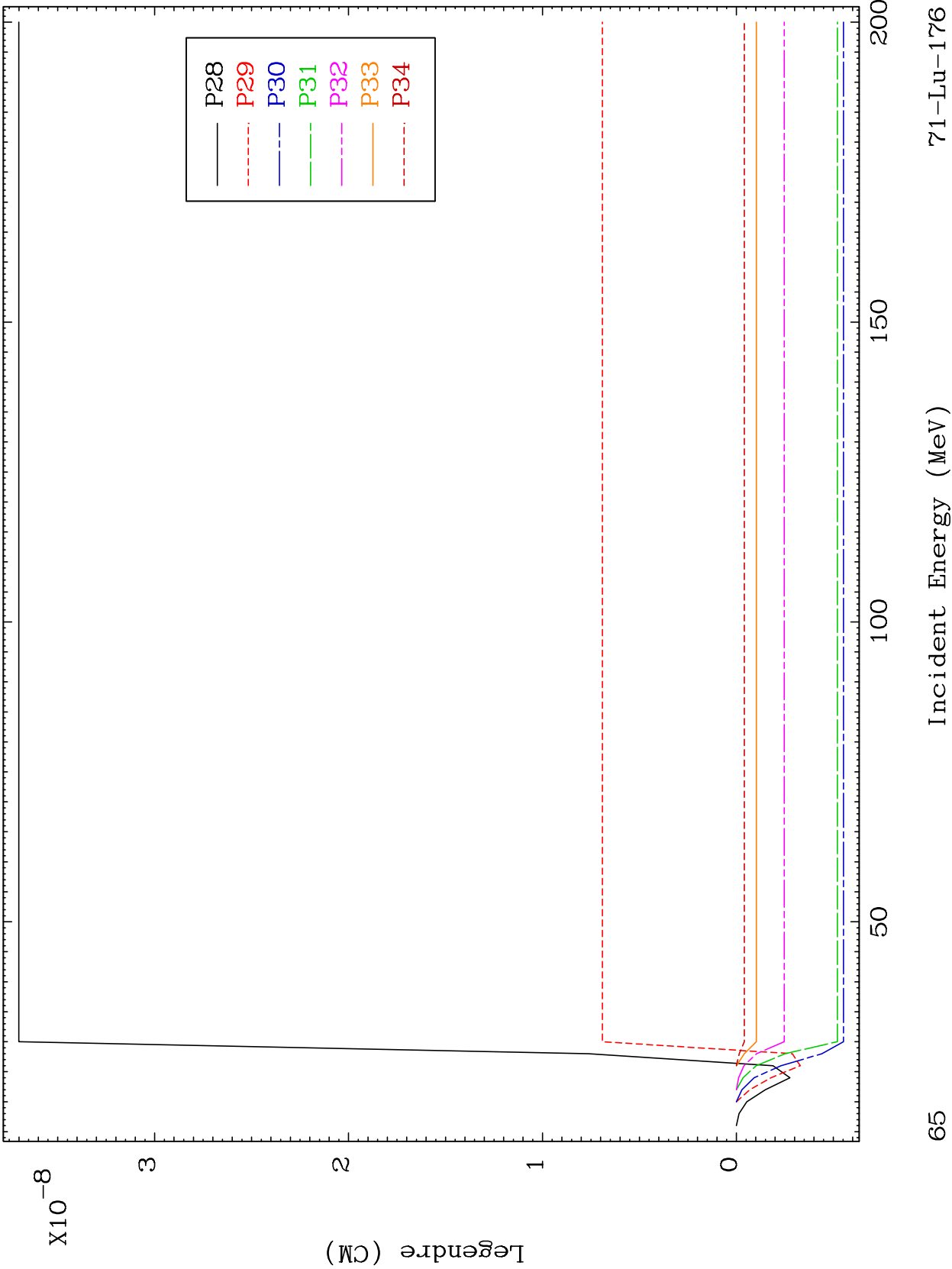
71-Lu-176



MAT 7128

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

71-Lu-176



65

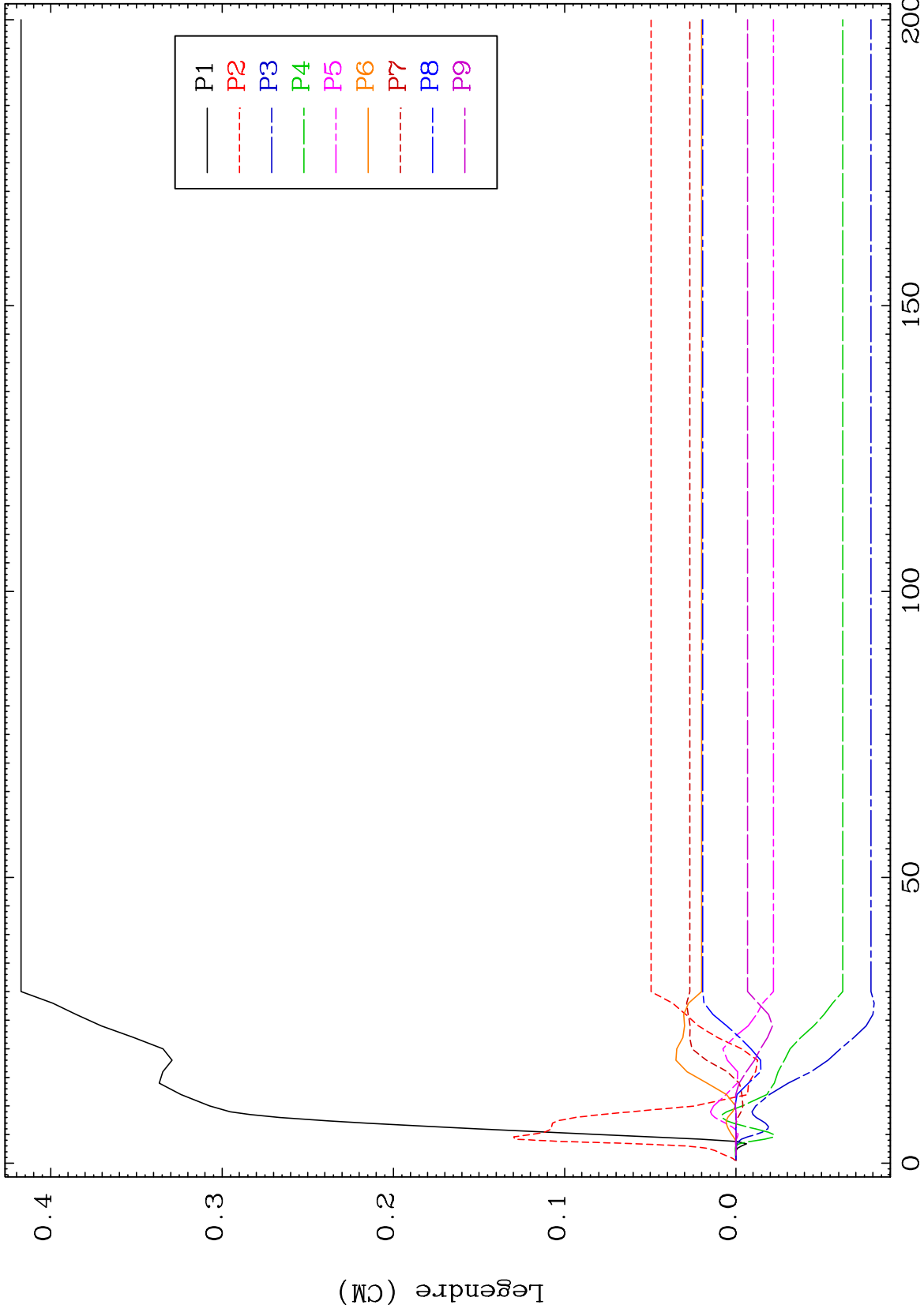
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



66

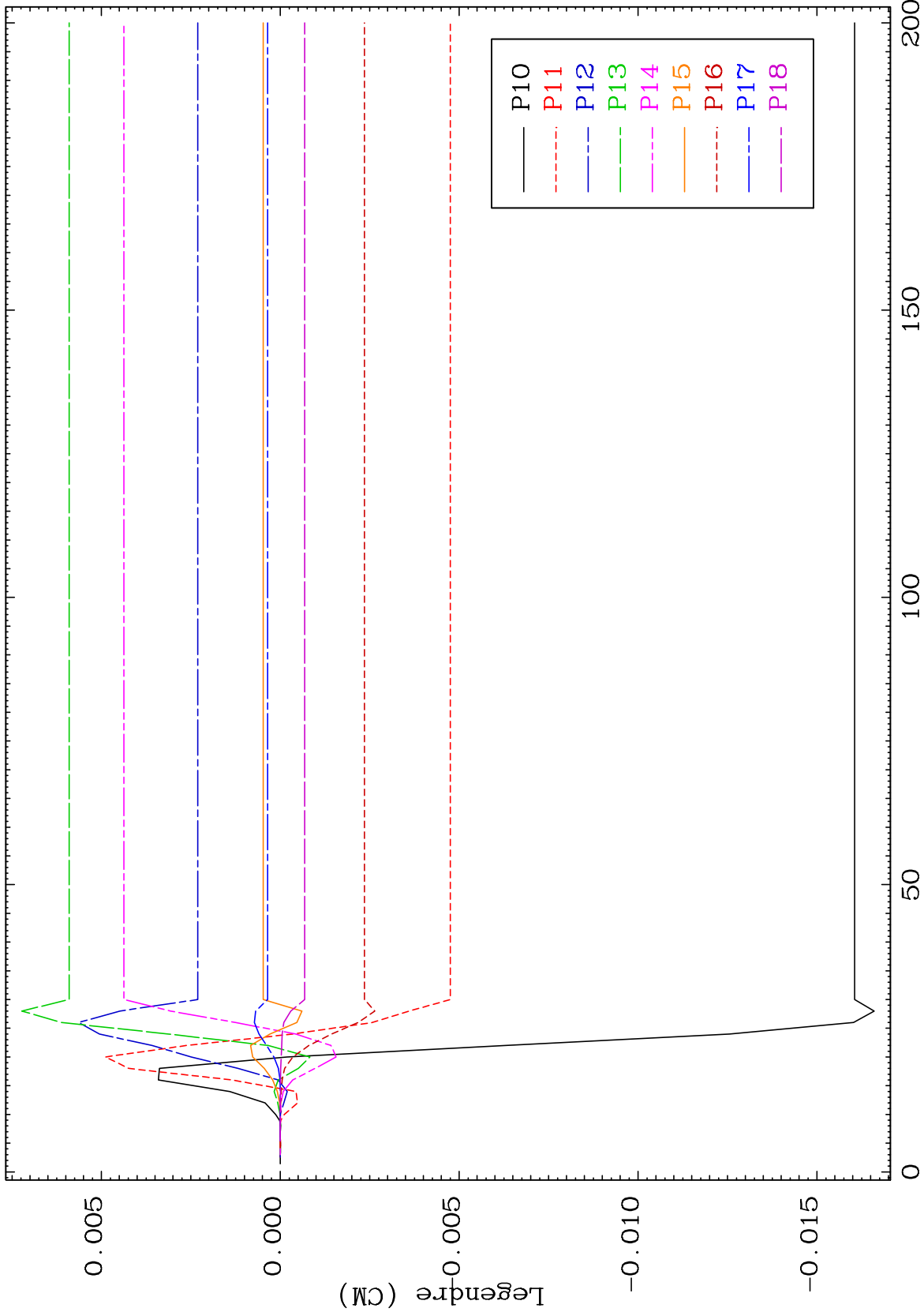
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



67

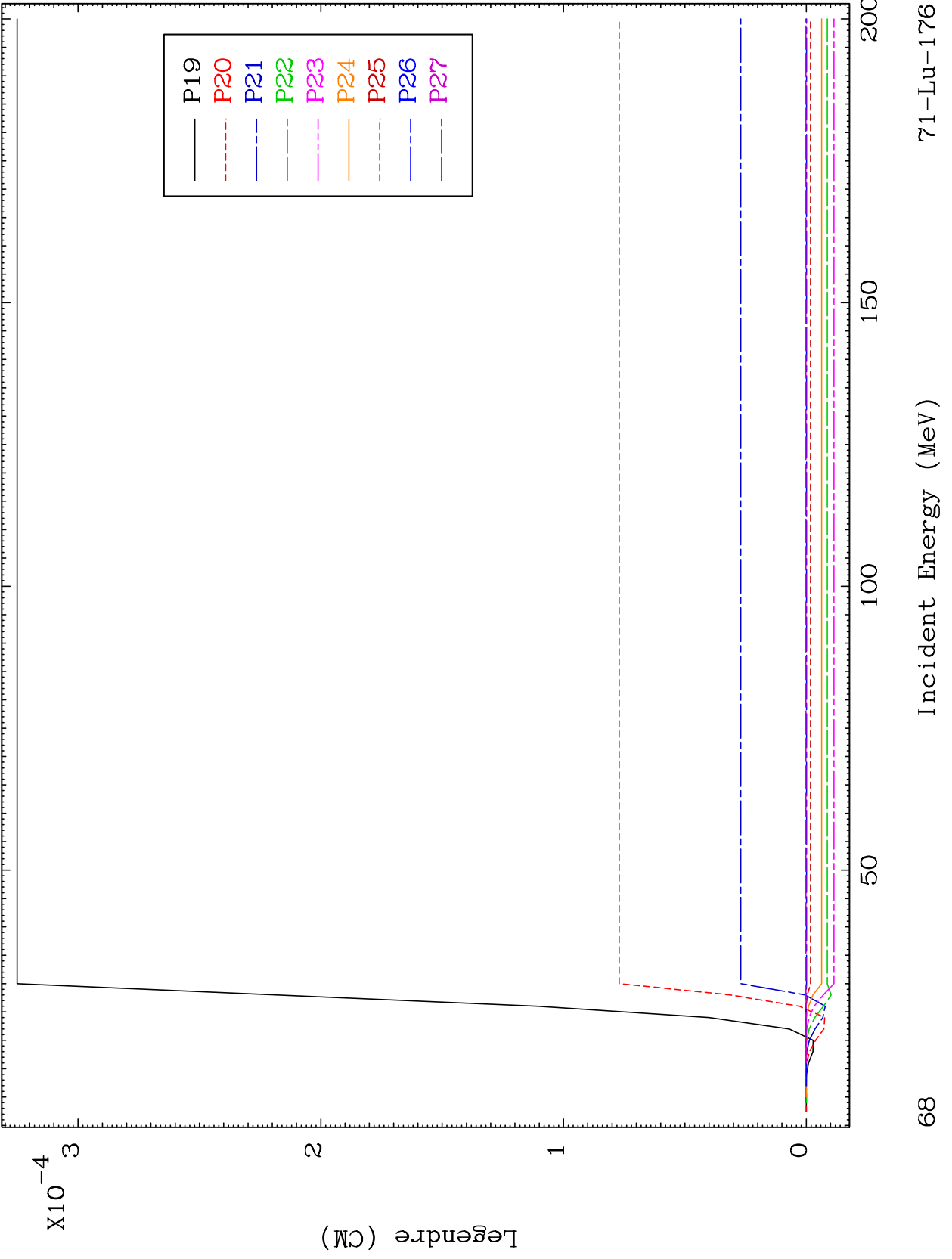
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

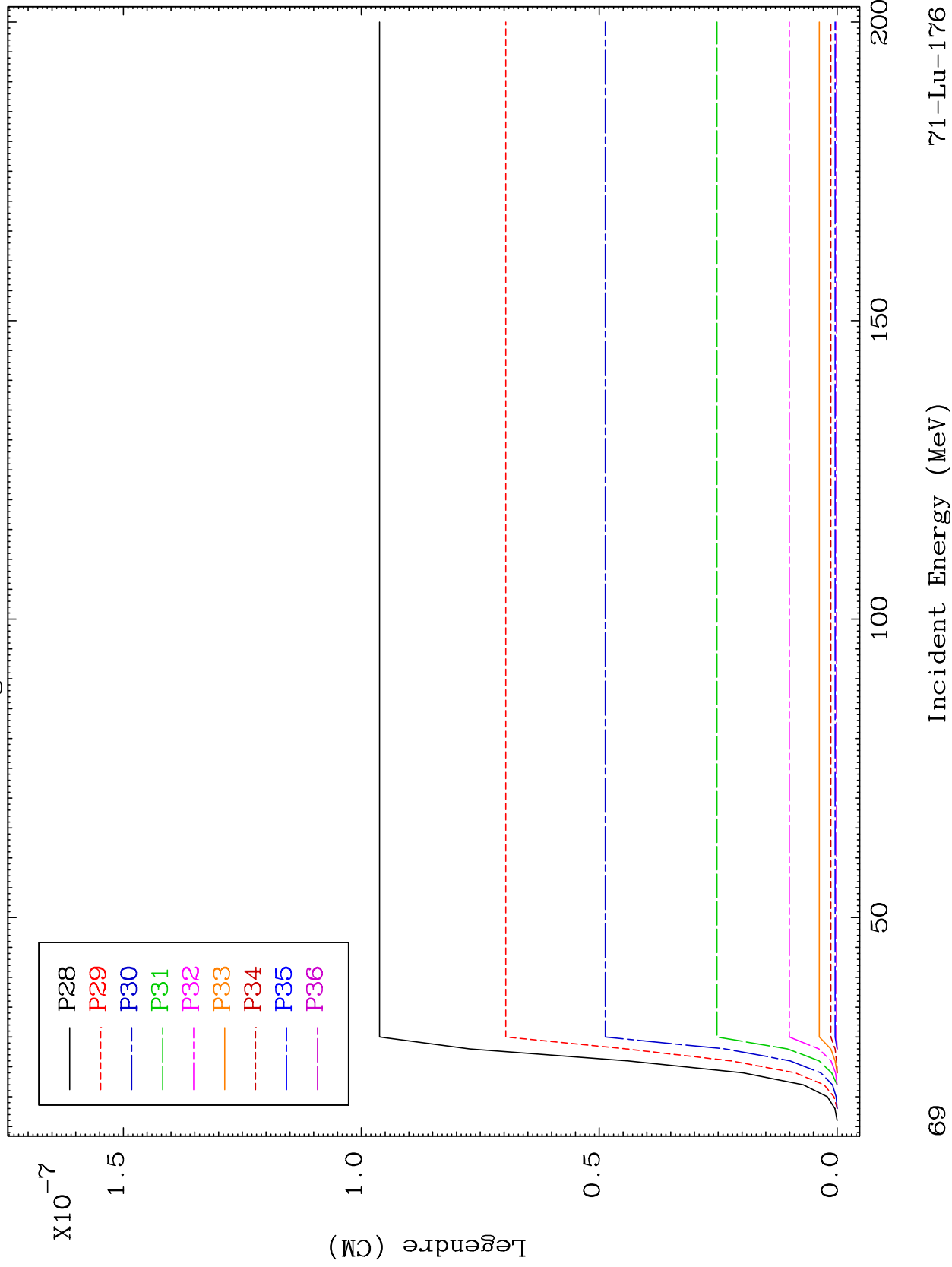
71-Lu-176



MAT 7128

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

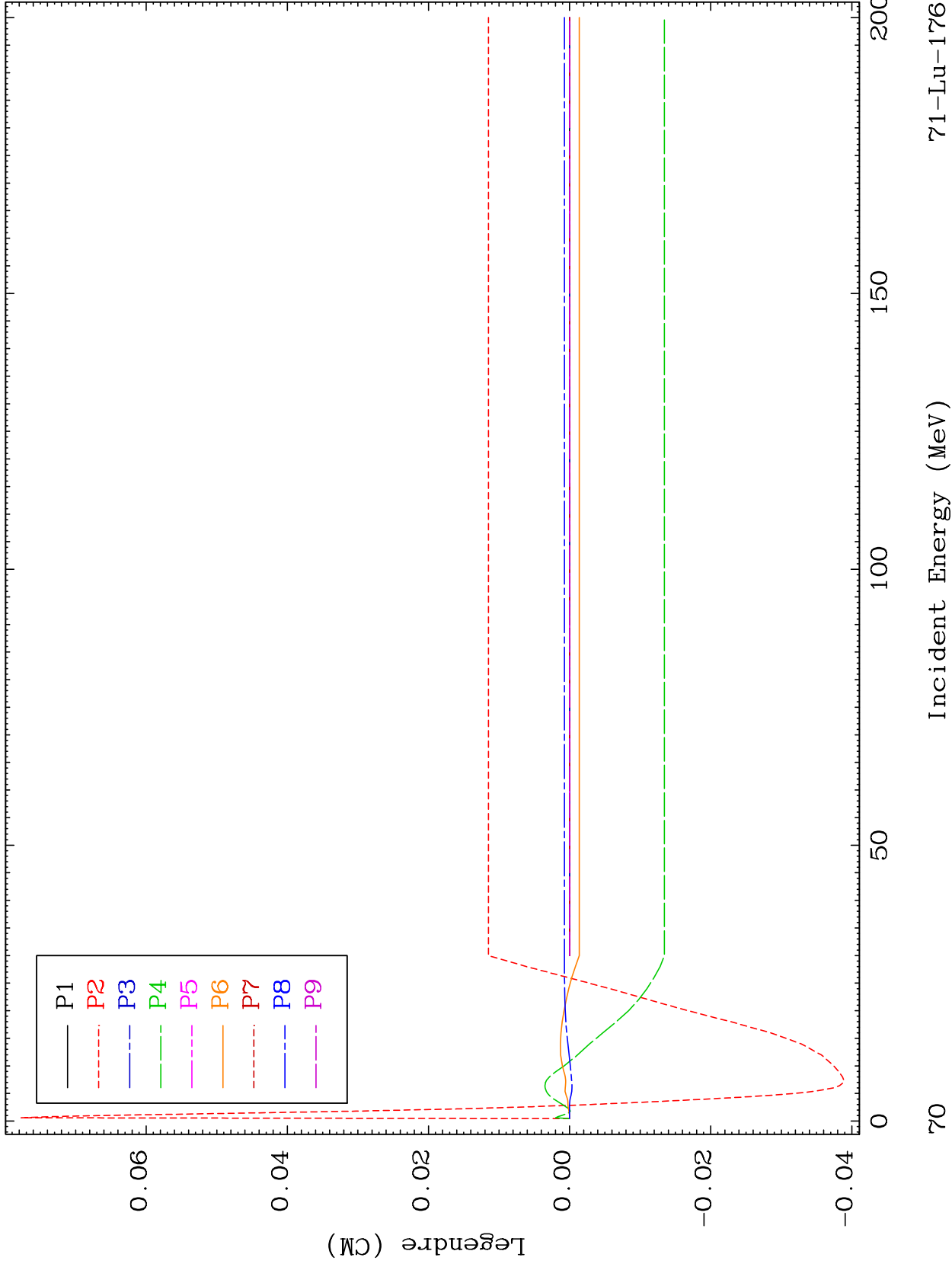
71-Lu-176



MAT 7128

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

71-Lu-176



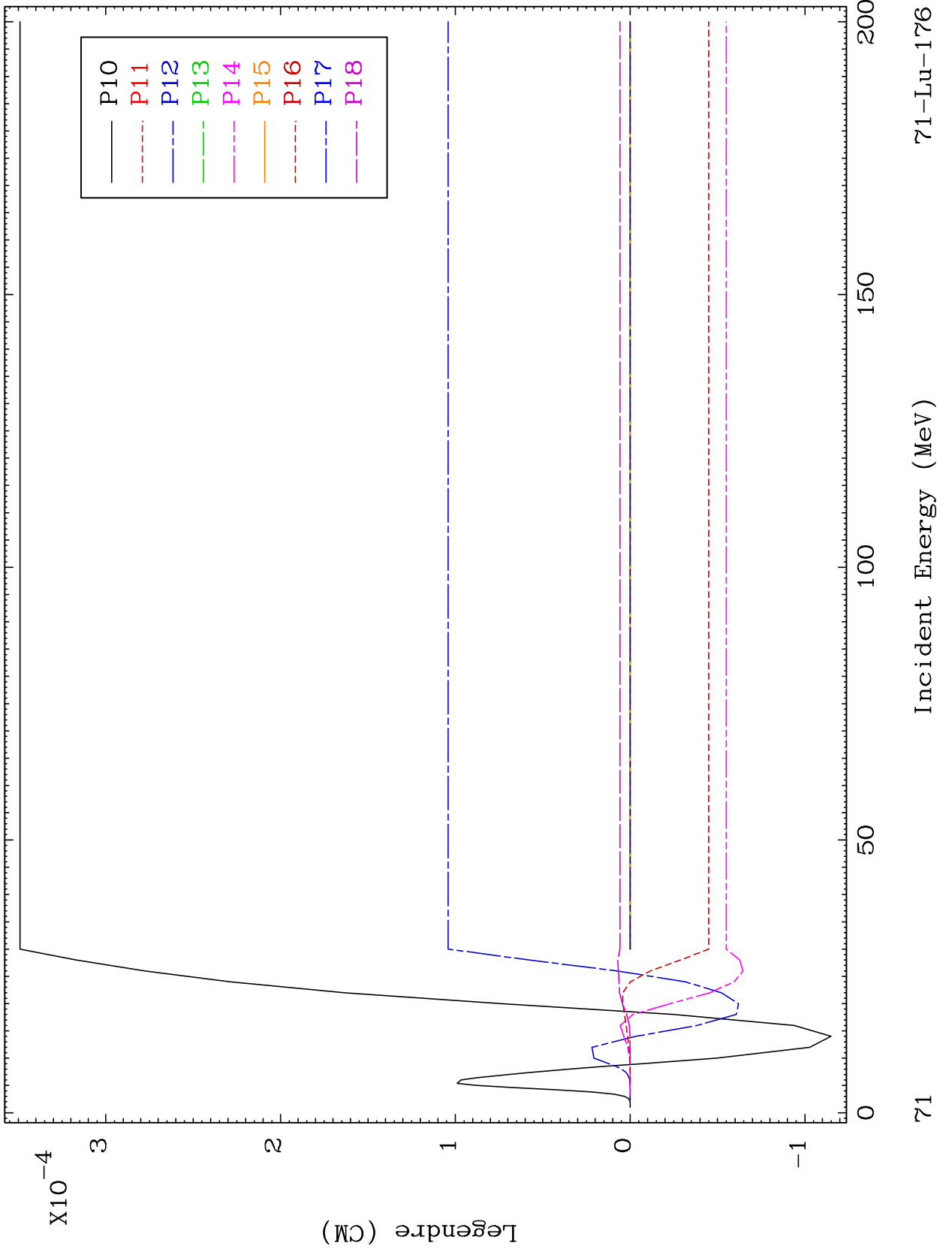
71-Lu-176

Incident Energy (MeV)

MAT 7128

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

71-Lu-176



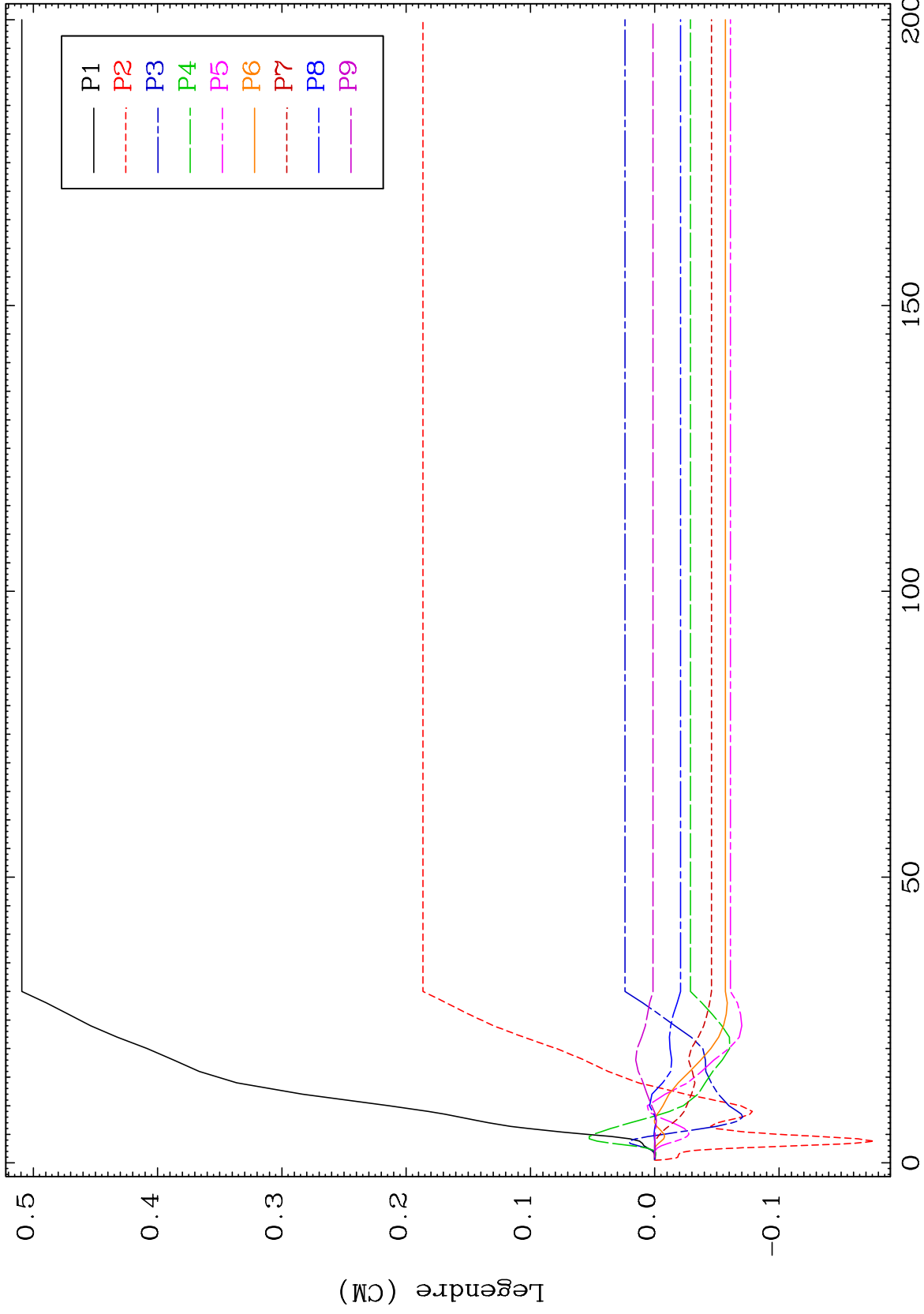




MAT 7128

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

71-Lu-176



73

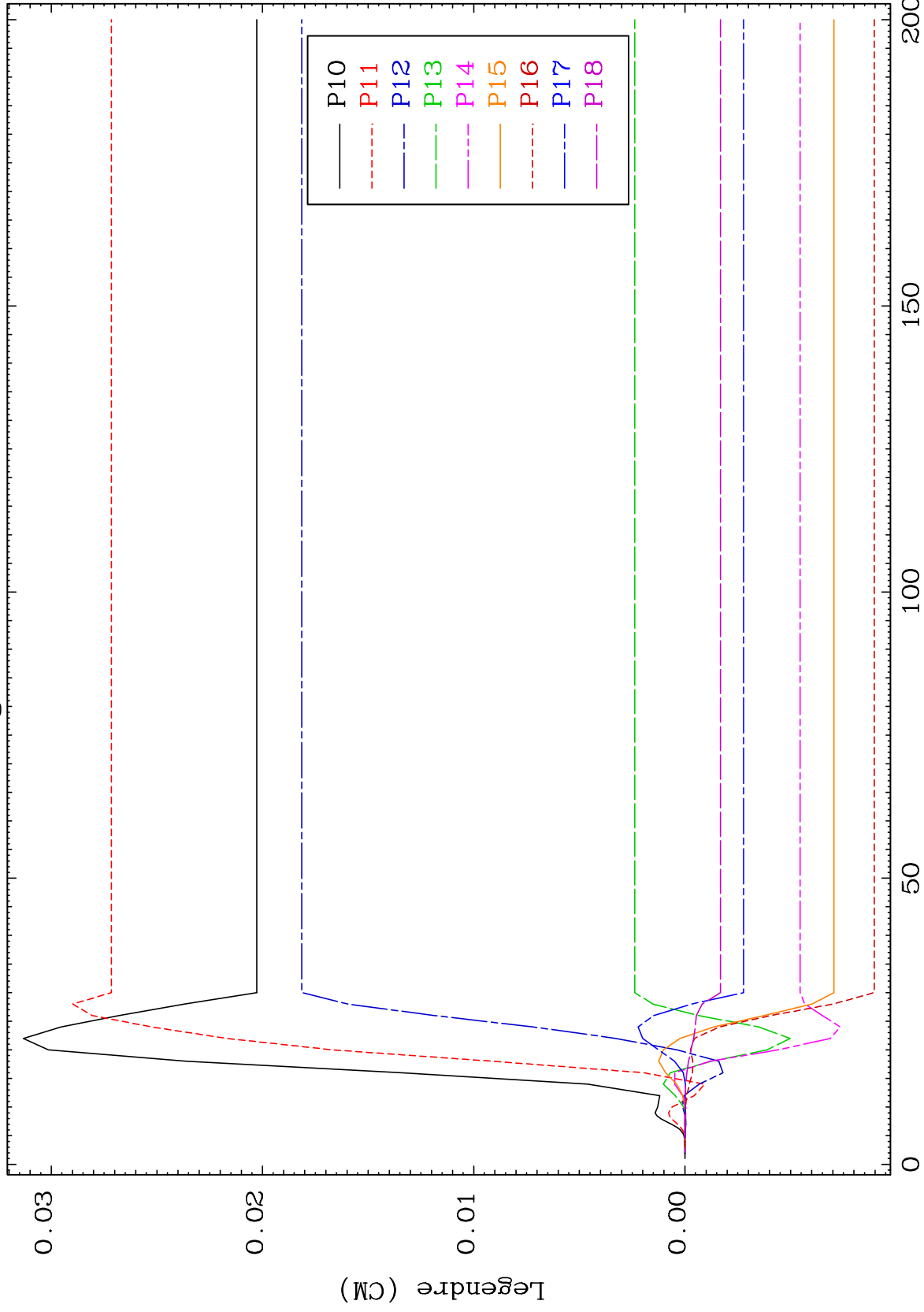
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



74

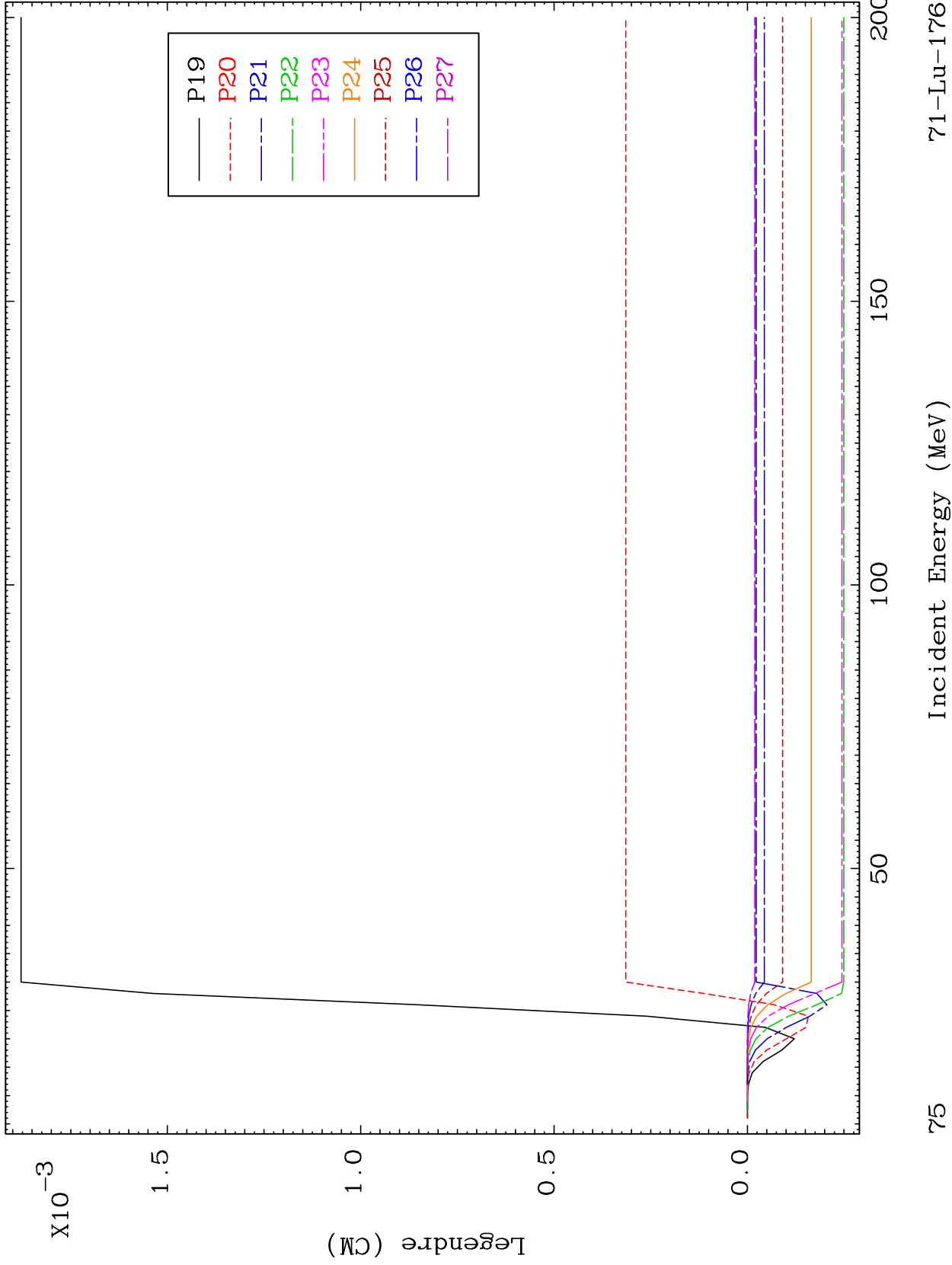
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

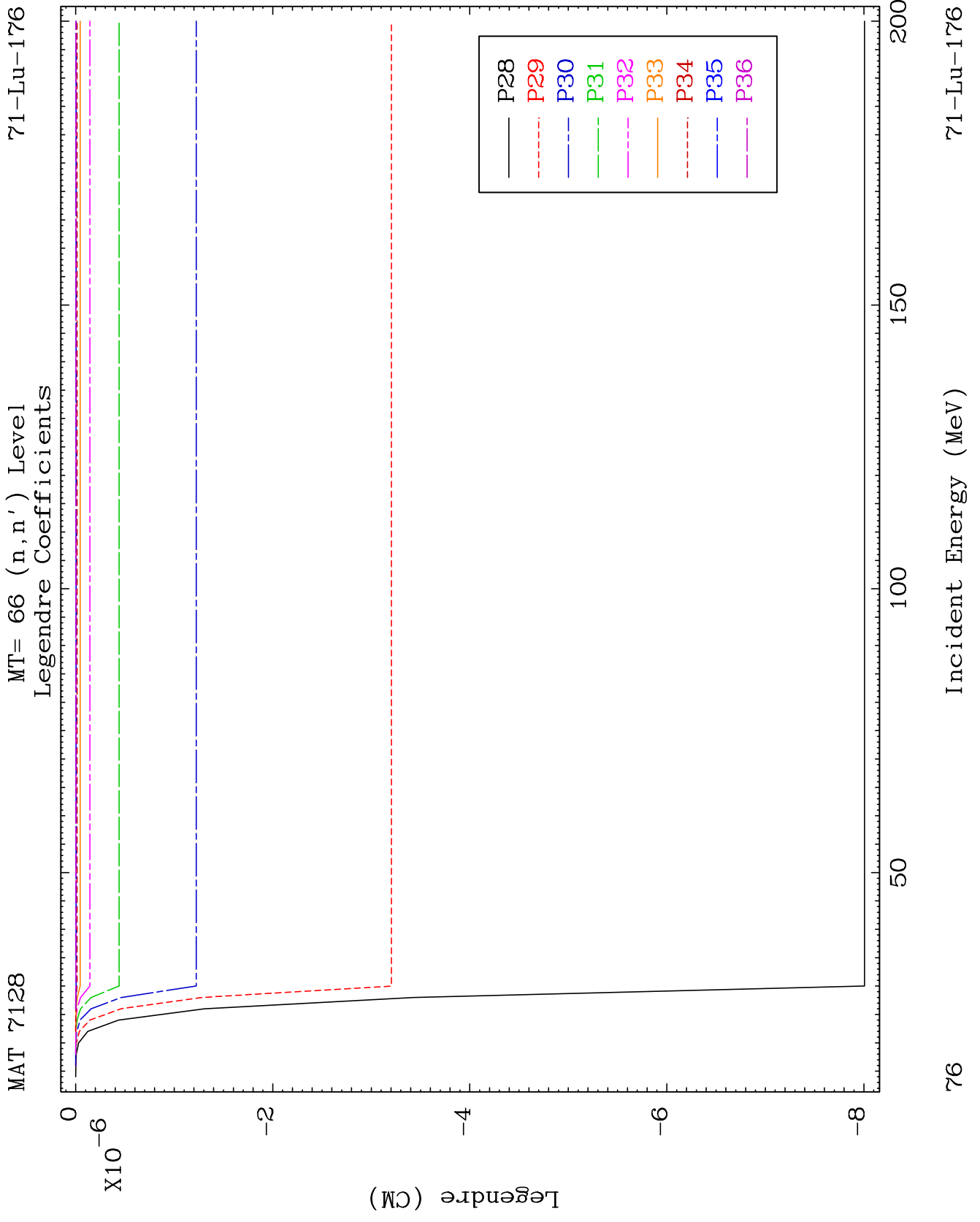
71-Lu-176



75

Incident Energy (MeV)

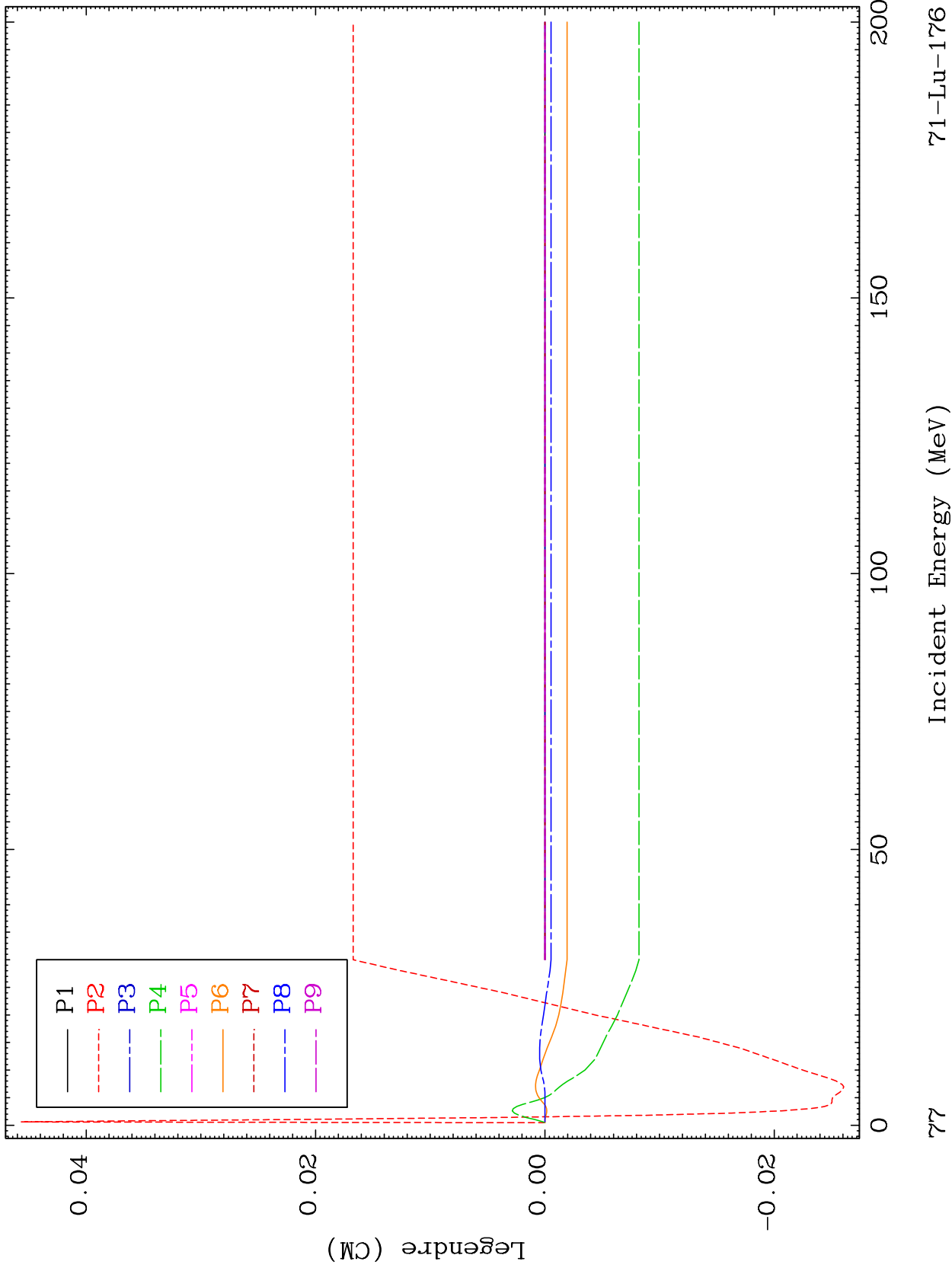
71-Lu-176



MAT 7128

MT= 67 (n,n') Level  
Legendre Coefficients

71-Lu-176

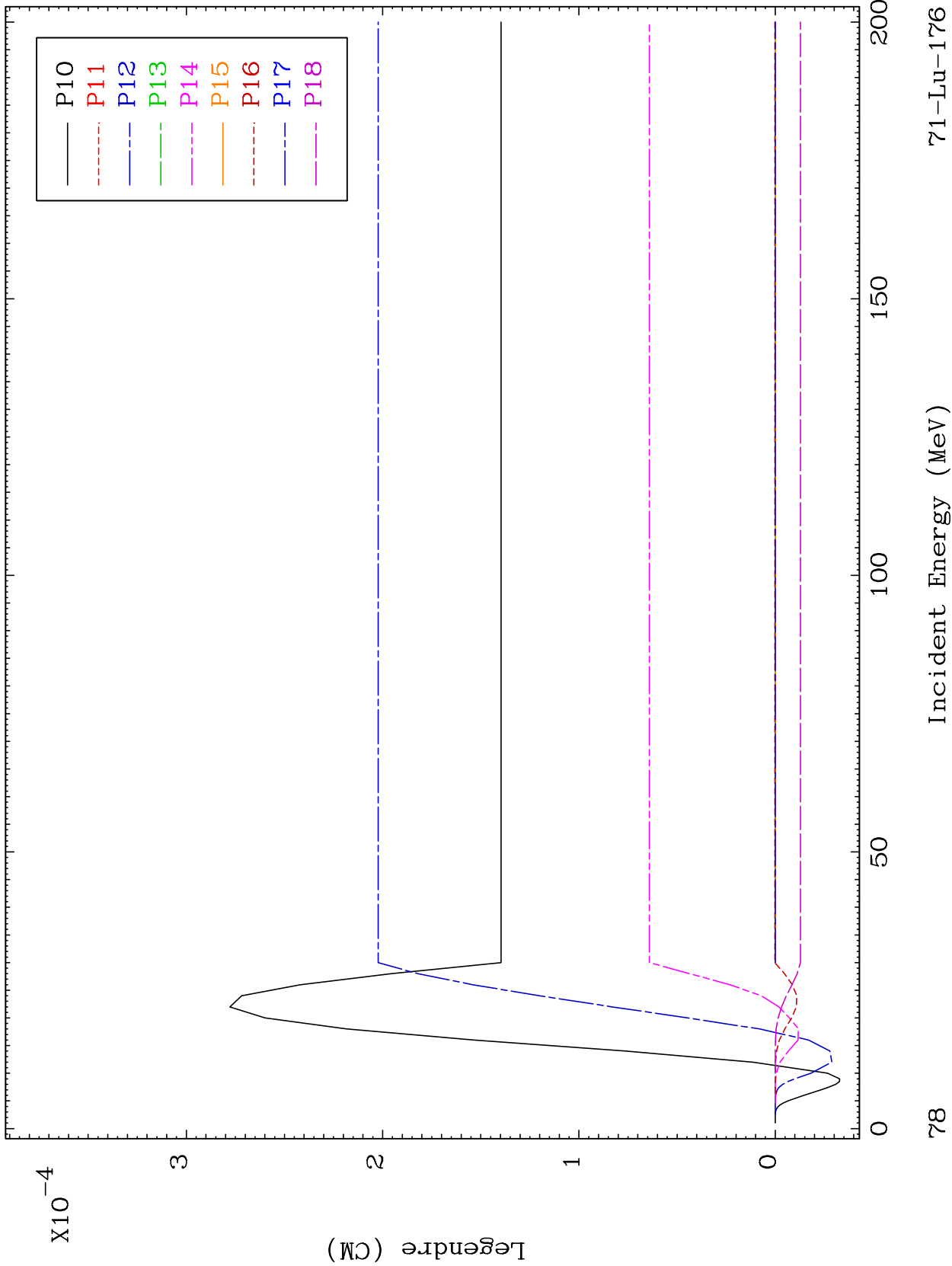


77

MAT 7128

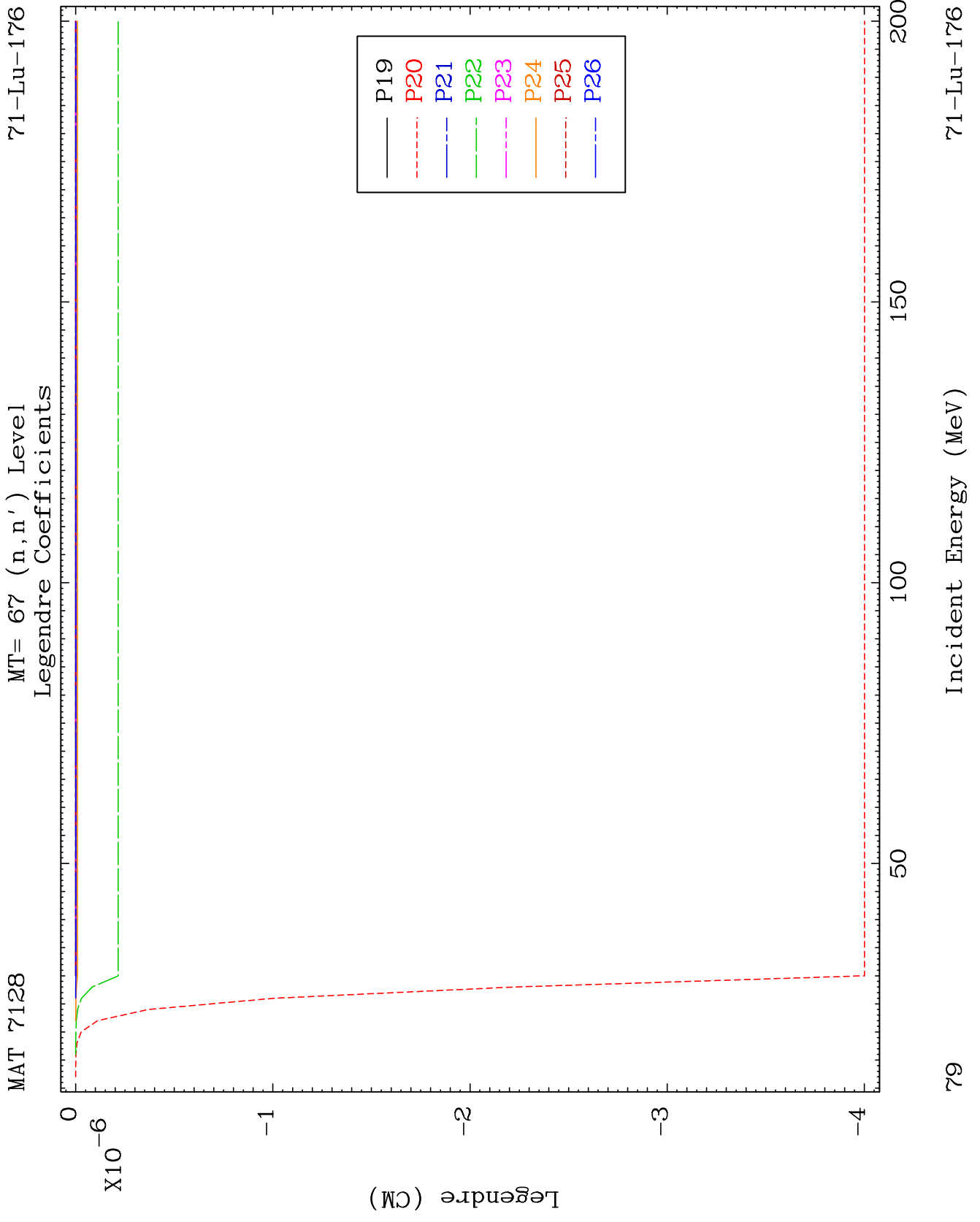
MT= 67 (n,n') Level  
Legendre Coefficients

71-Lu-176

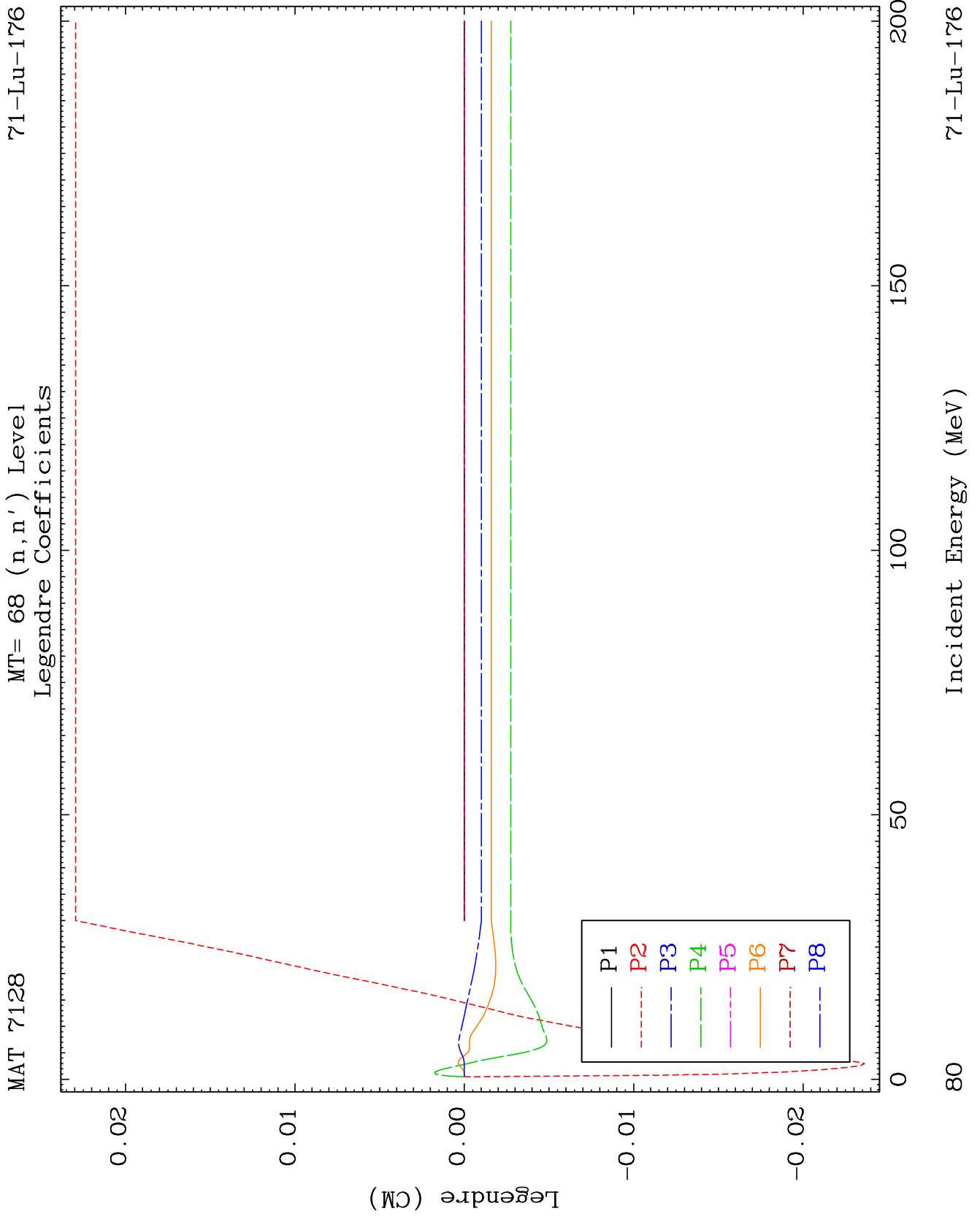


78

71-Lu-176



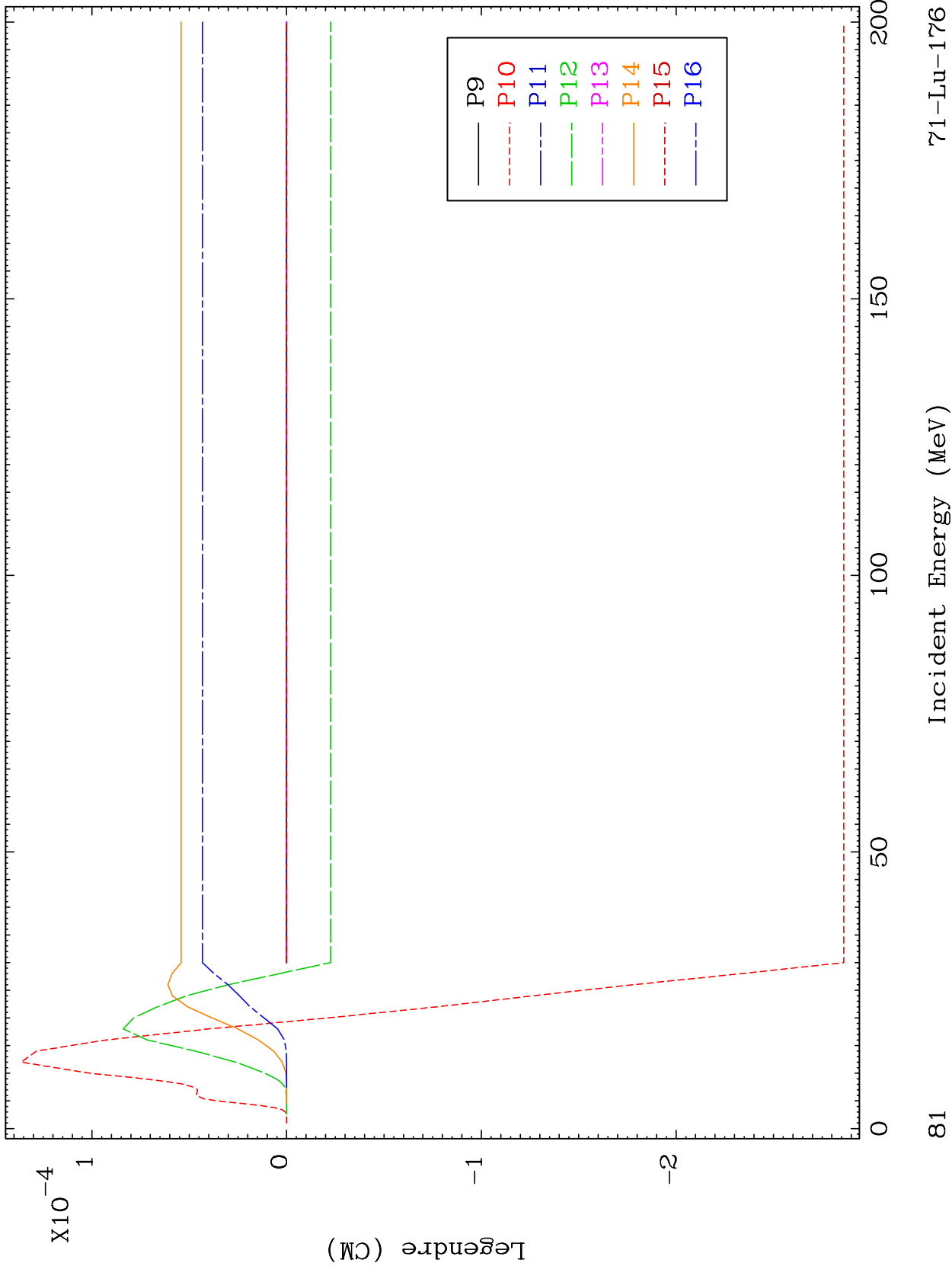




MAT 7128

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

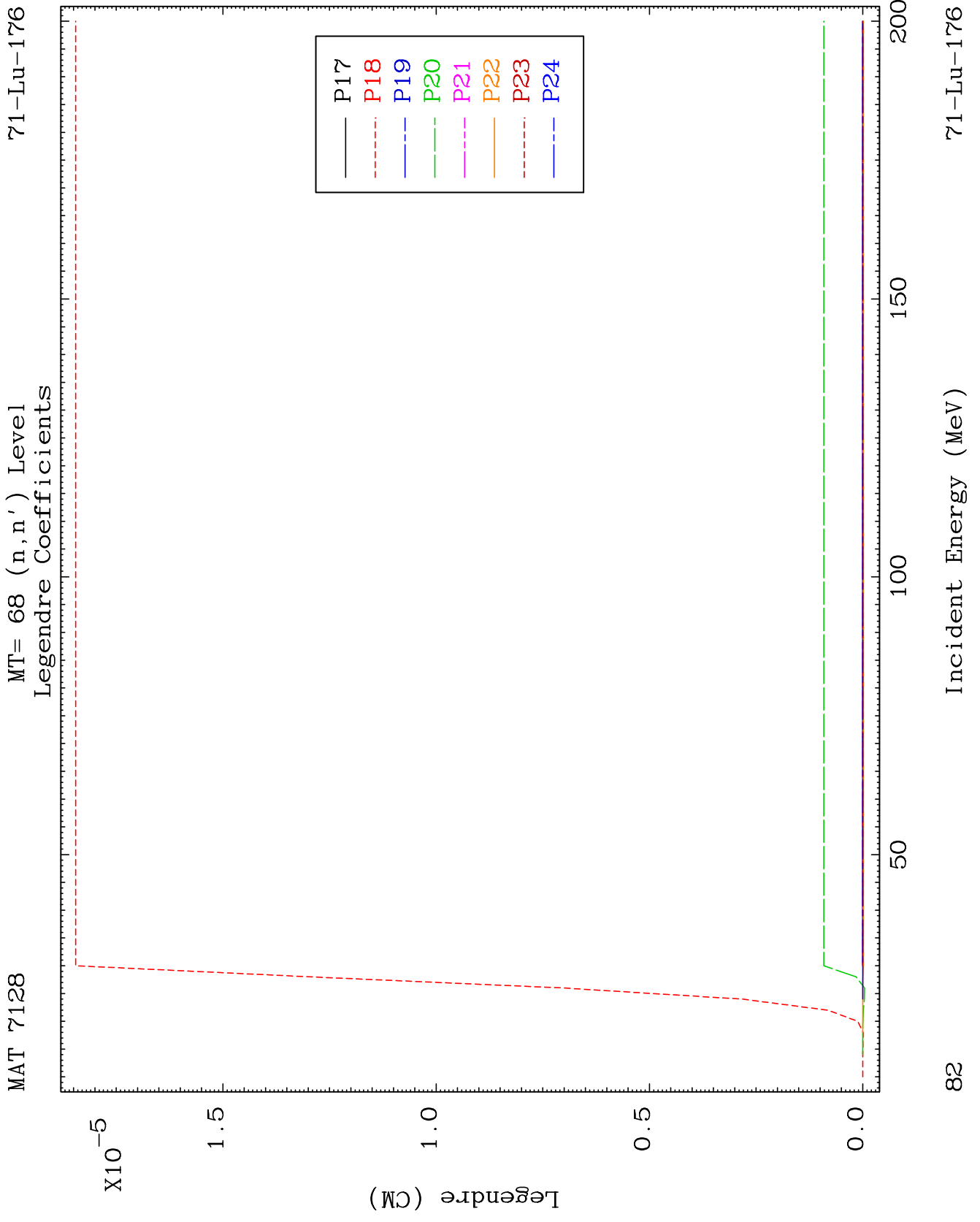
71-Lu-176

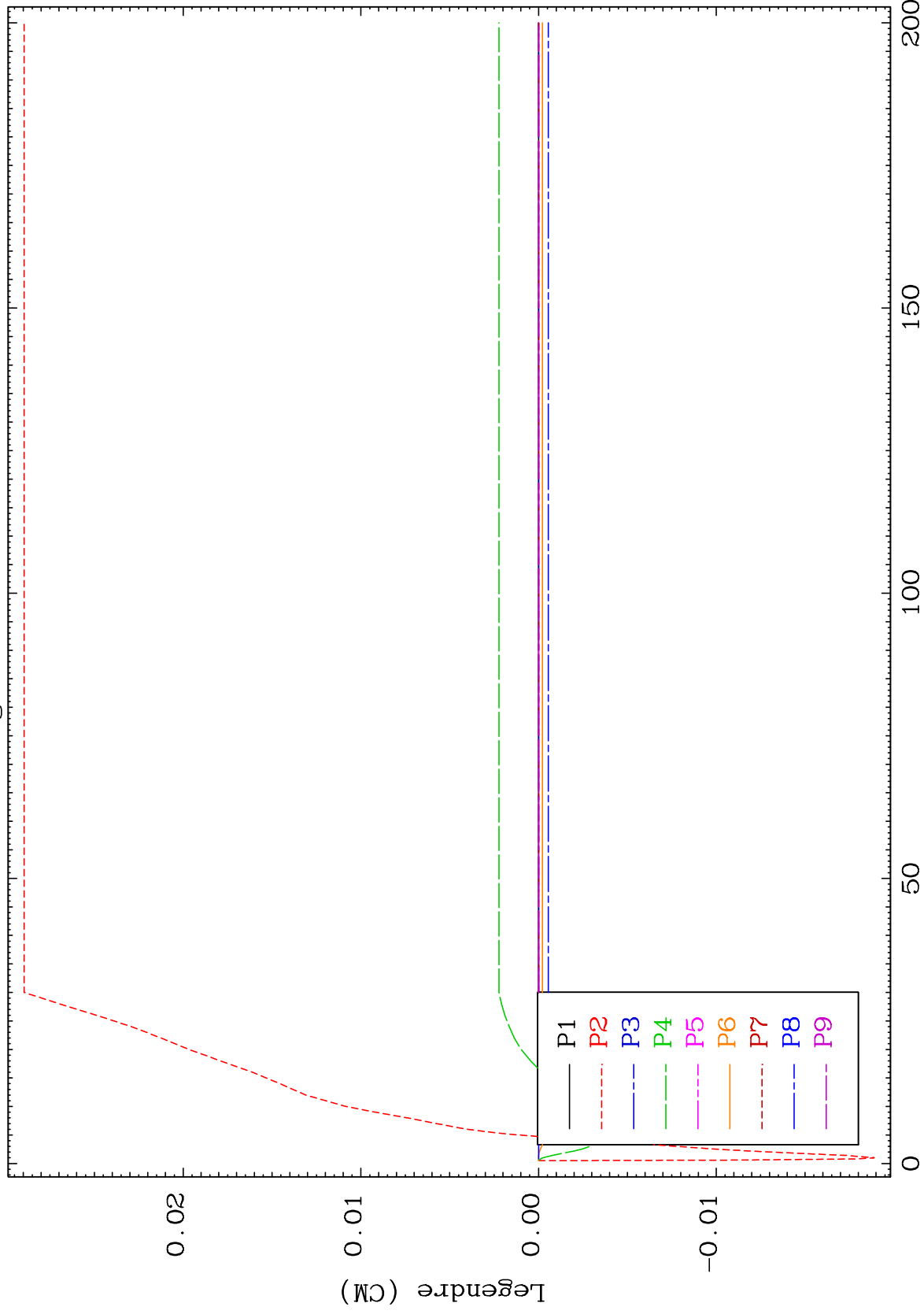


81

Incident Energy (MeV)

71-Lu-176

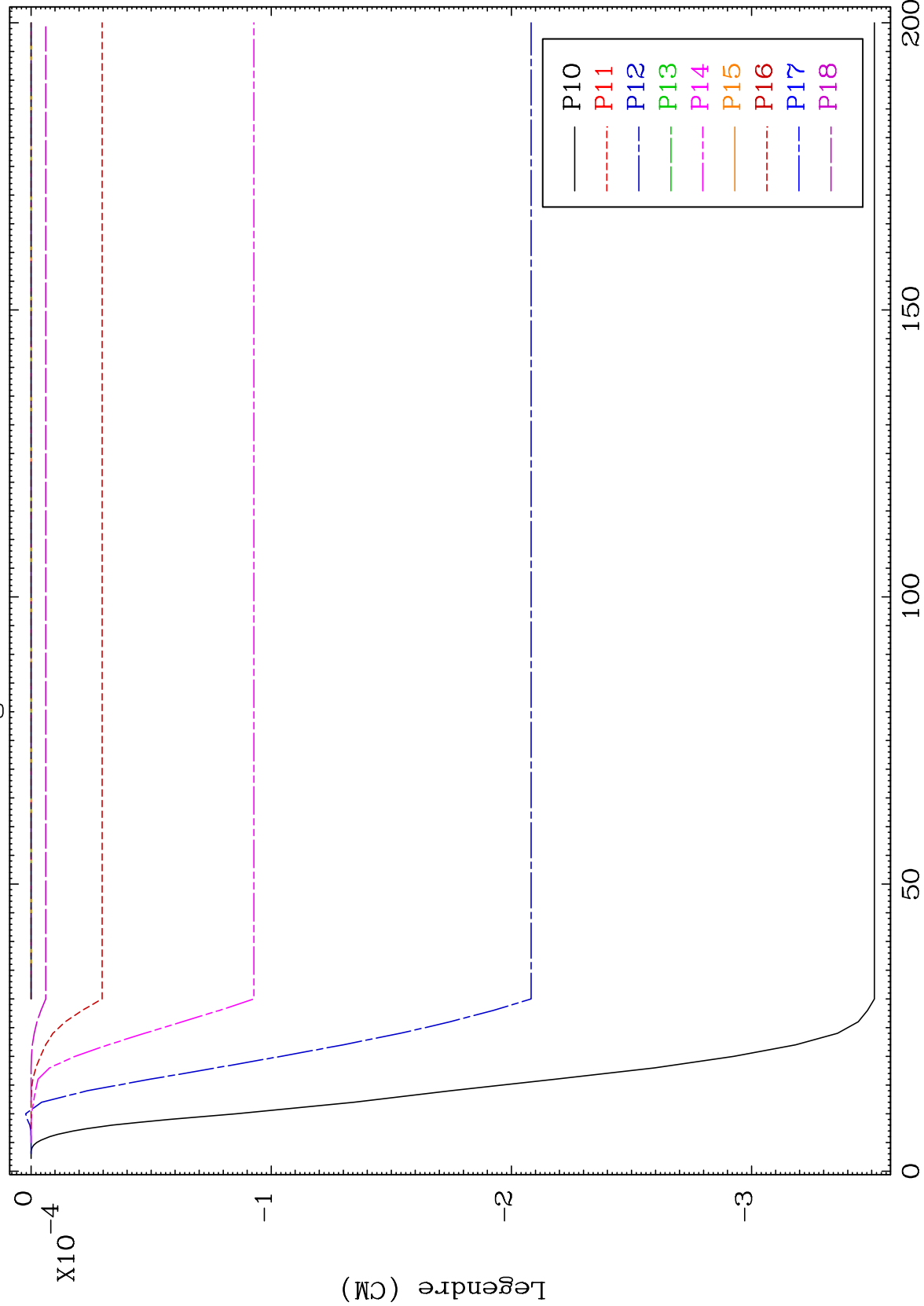




MAT 7128

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

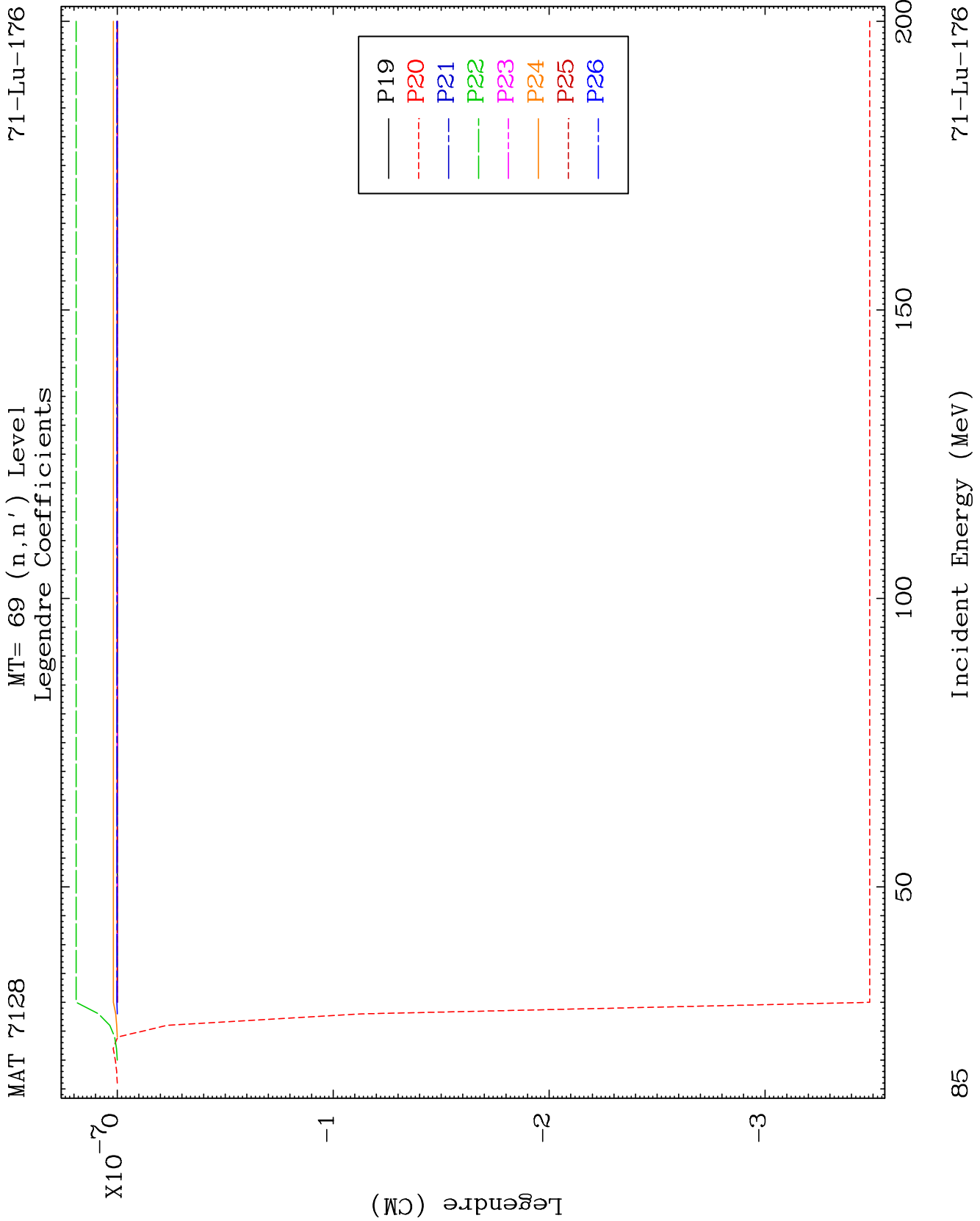
71-Lu-176



84

Incident Energy (MeV)

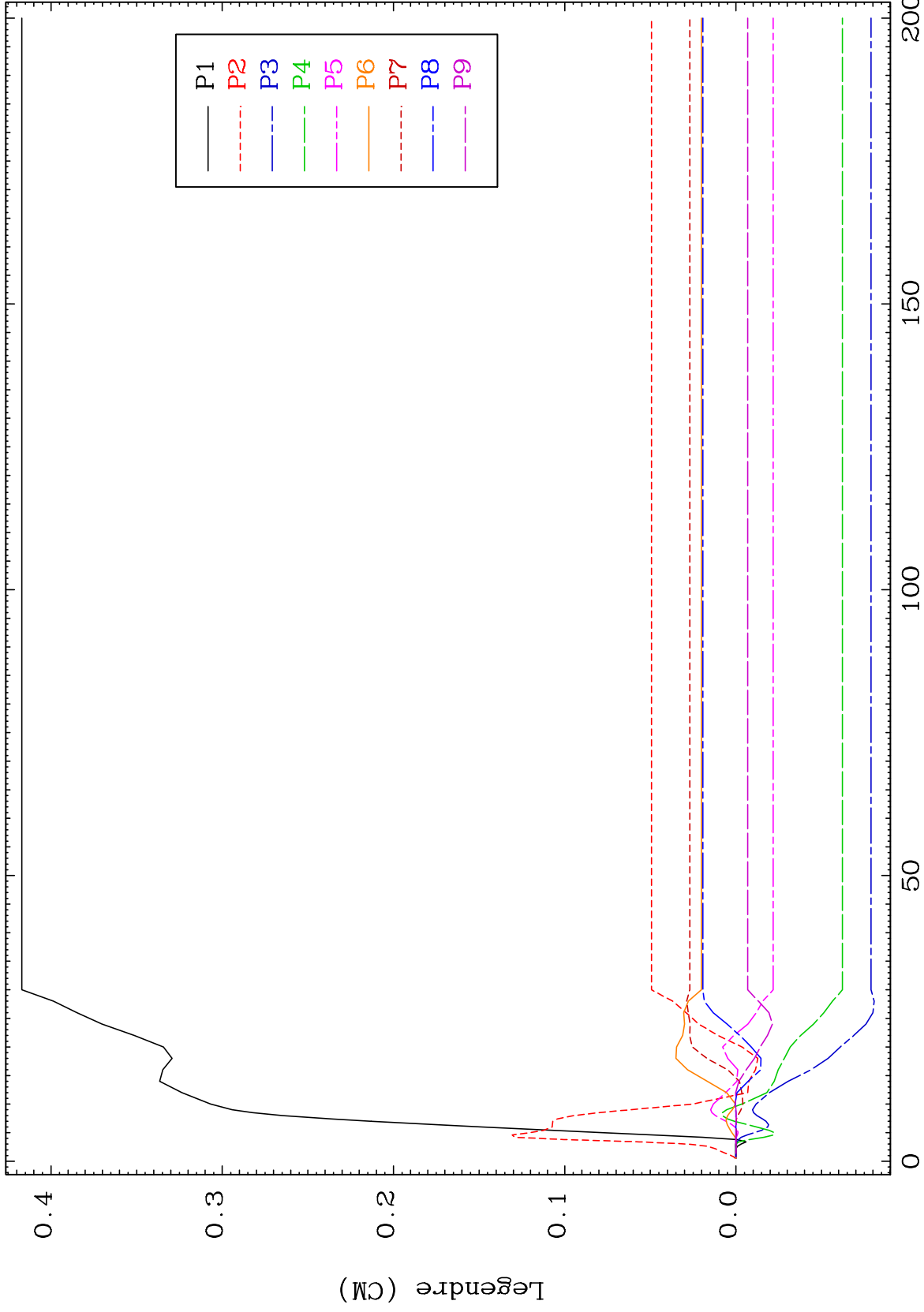
71-Lu-176



MAT 7128

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

71-Lu-176



86

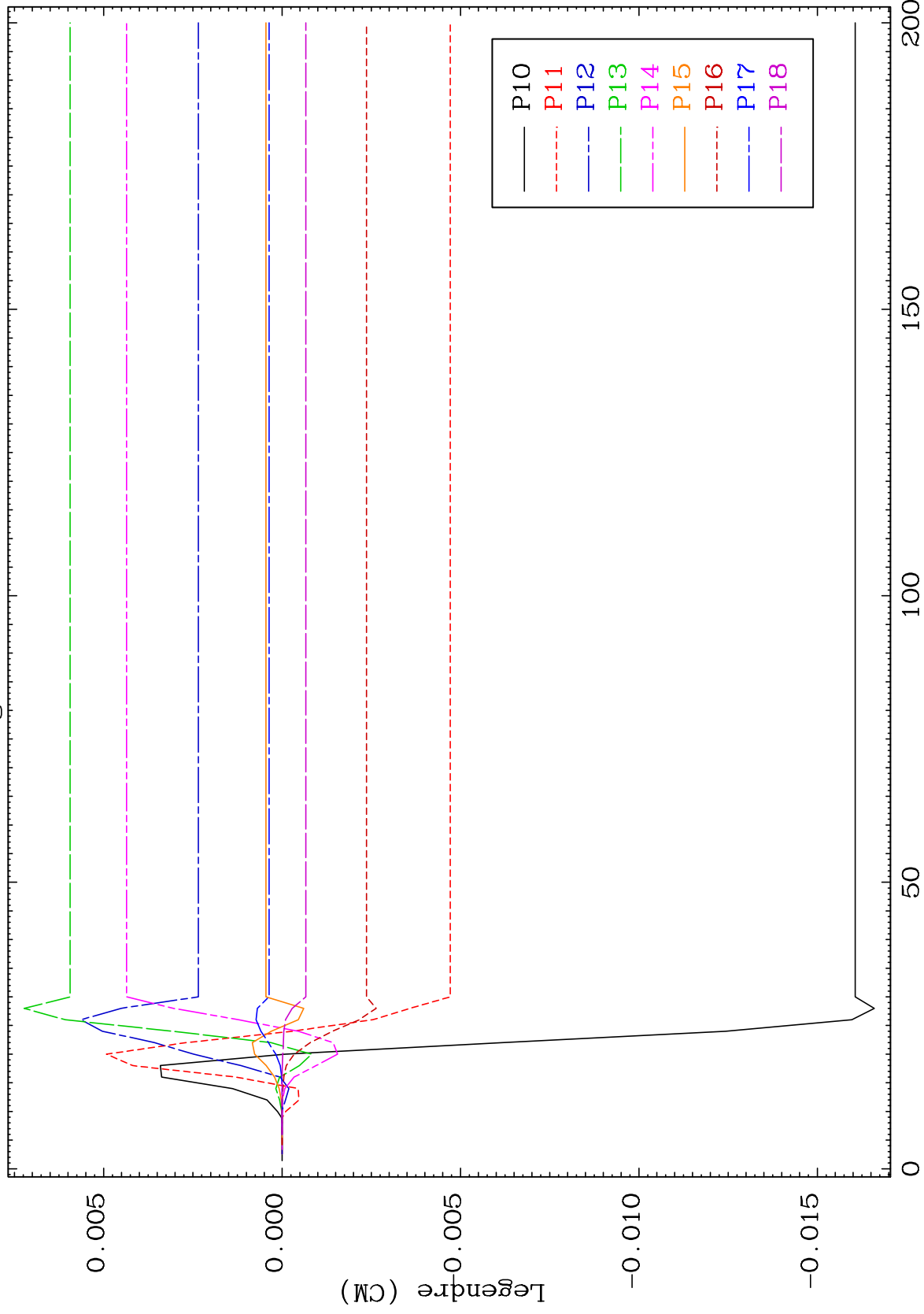
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



87

Incident Energy (MeV)

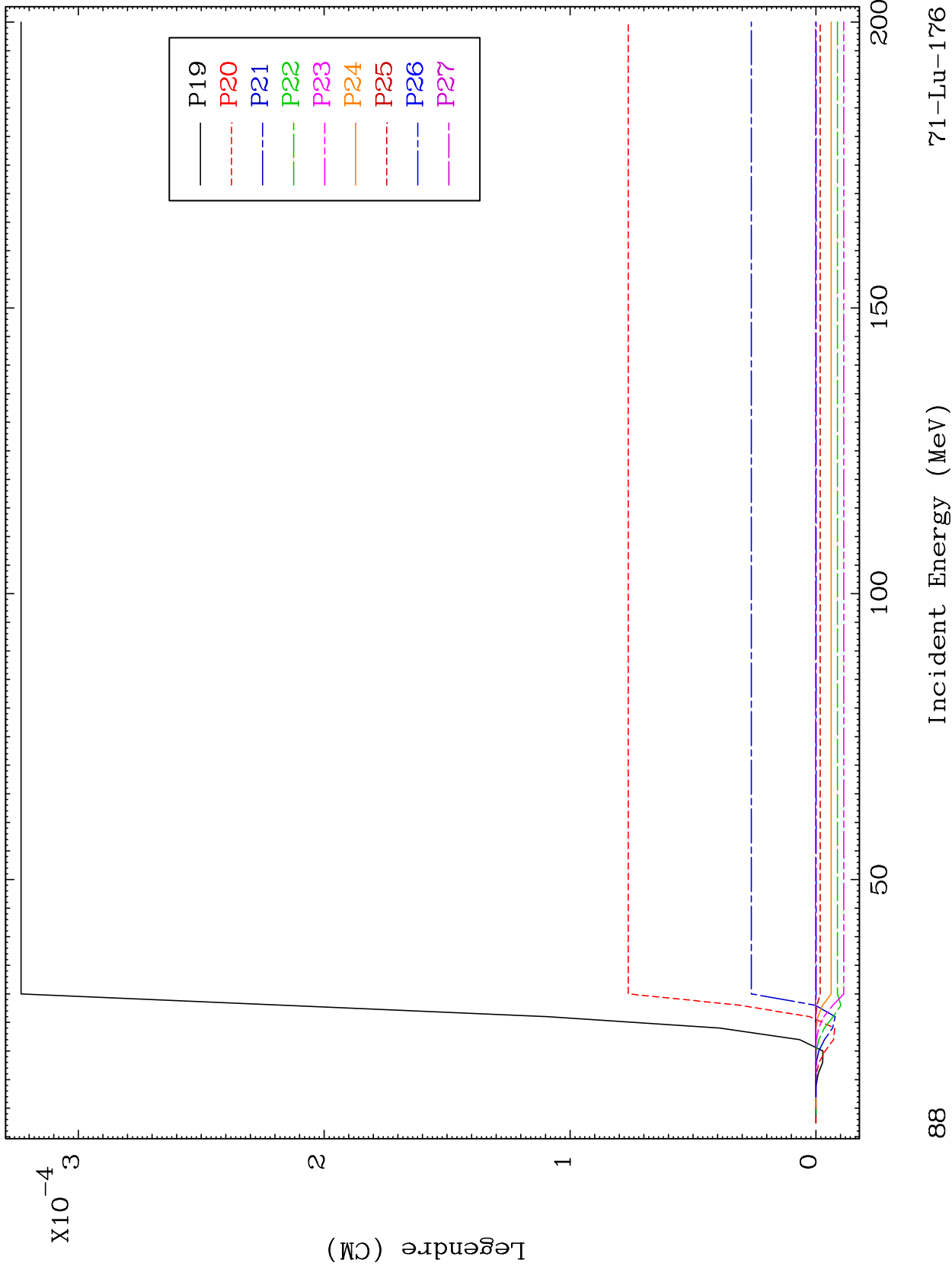
71-Lu-176



MAT 7128

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

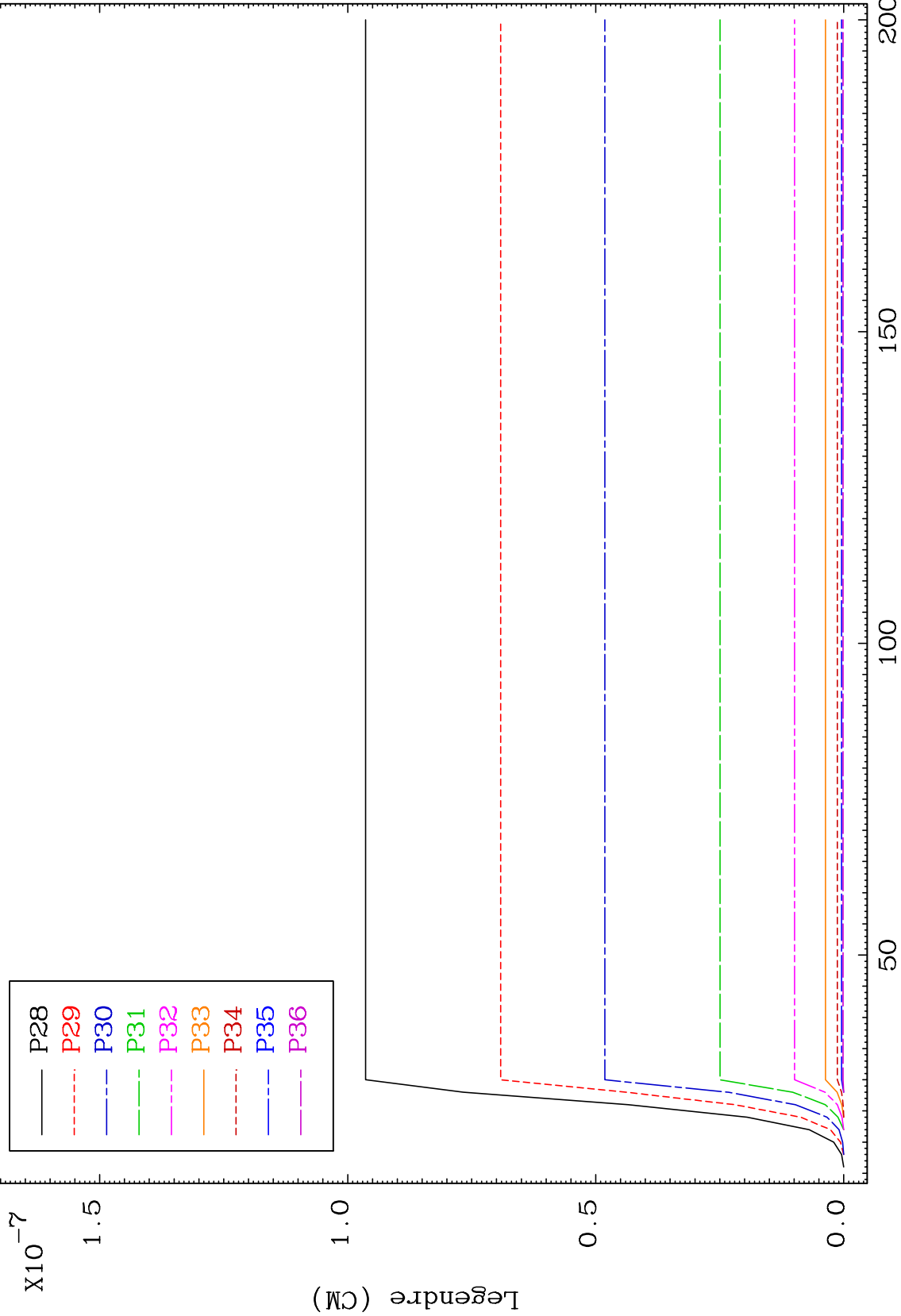
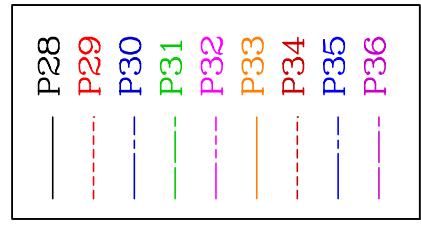
71-Lu-176



MAT 7128

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

71-Lu-176

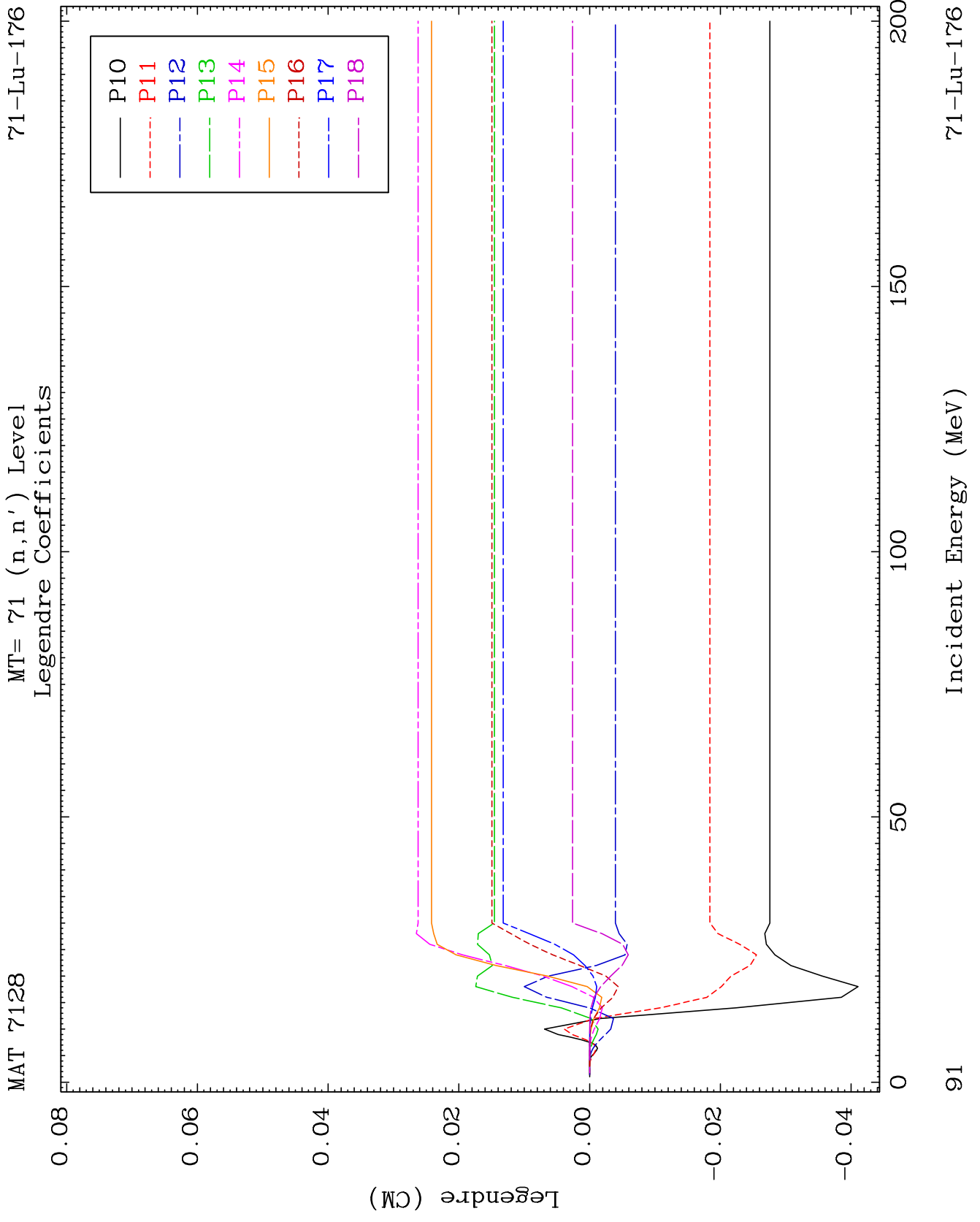


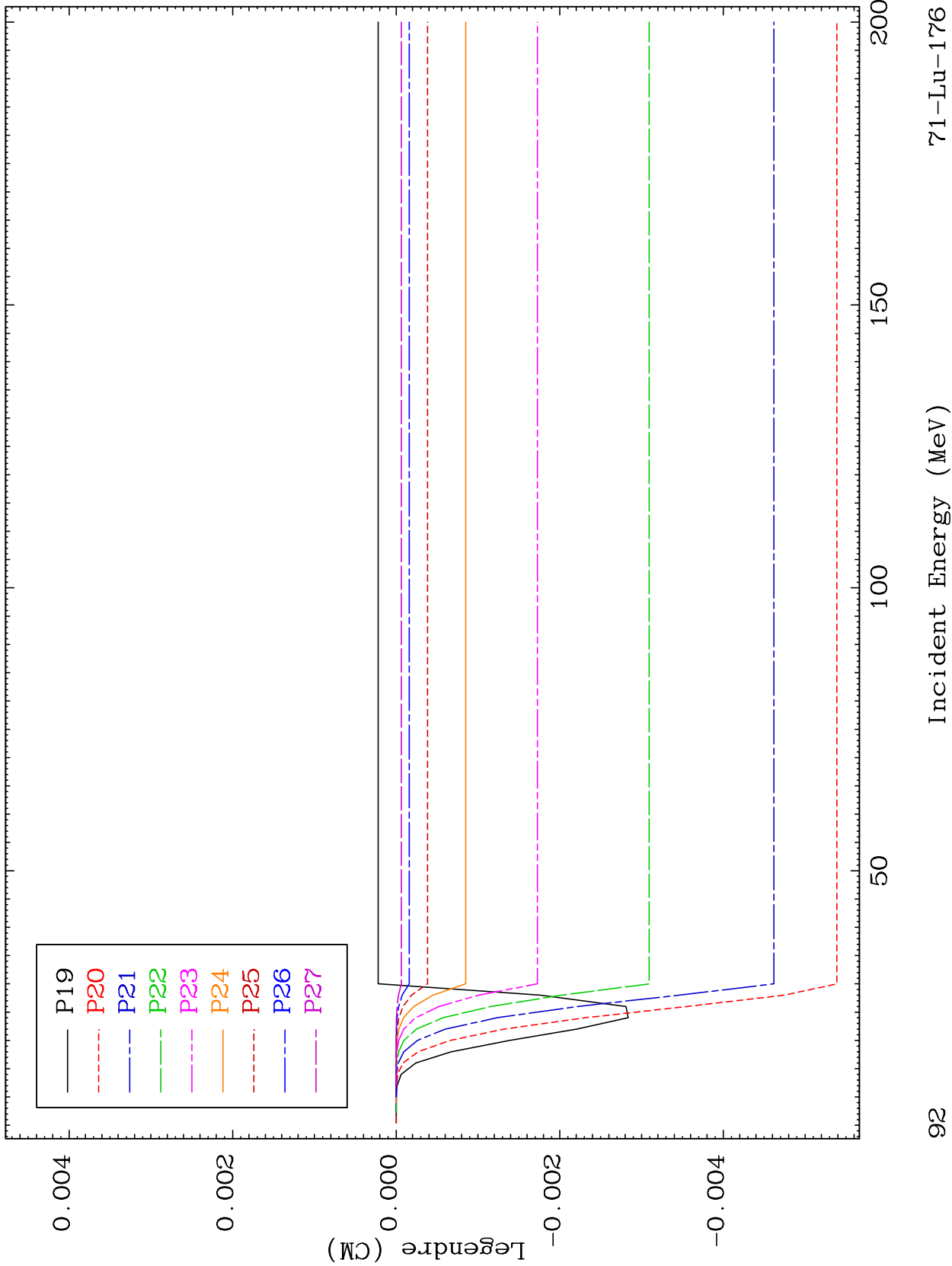
89

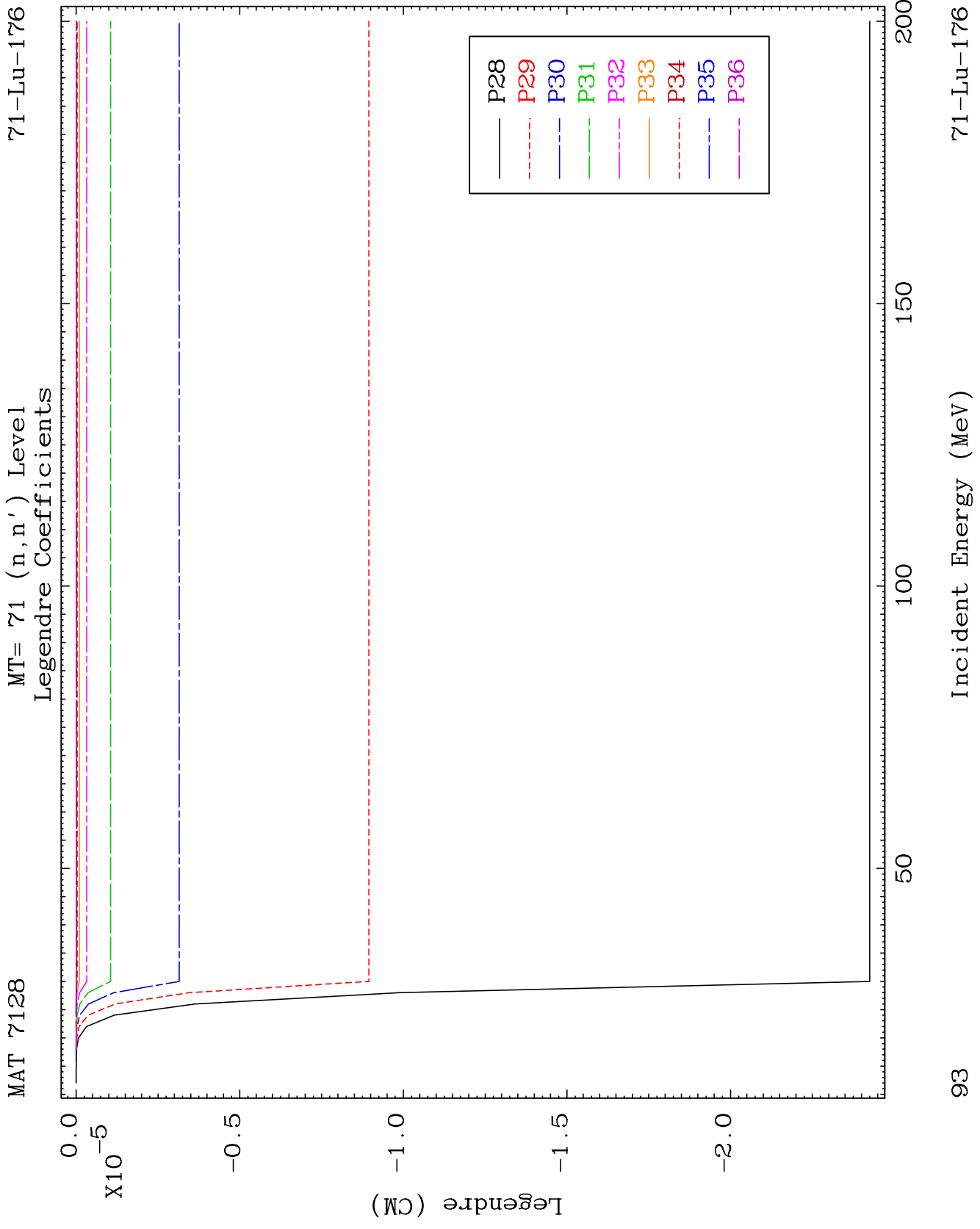
Incident Energy (MeV)

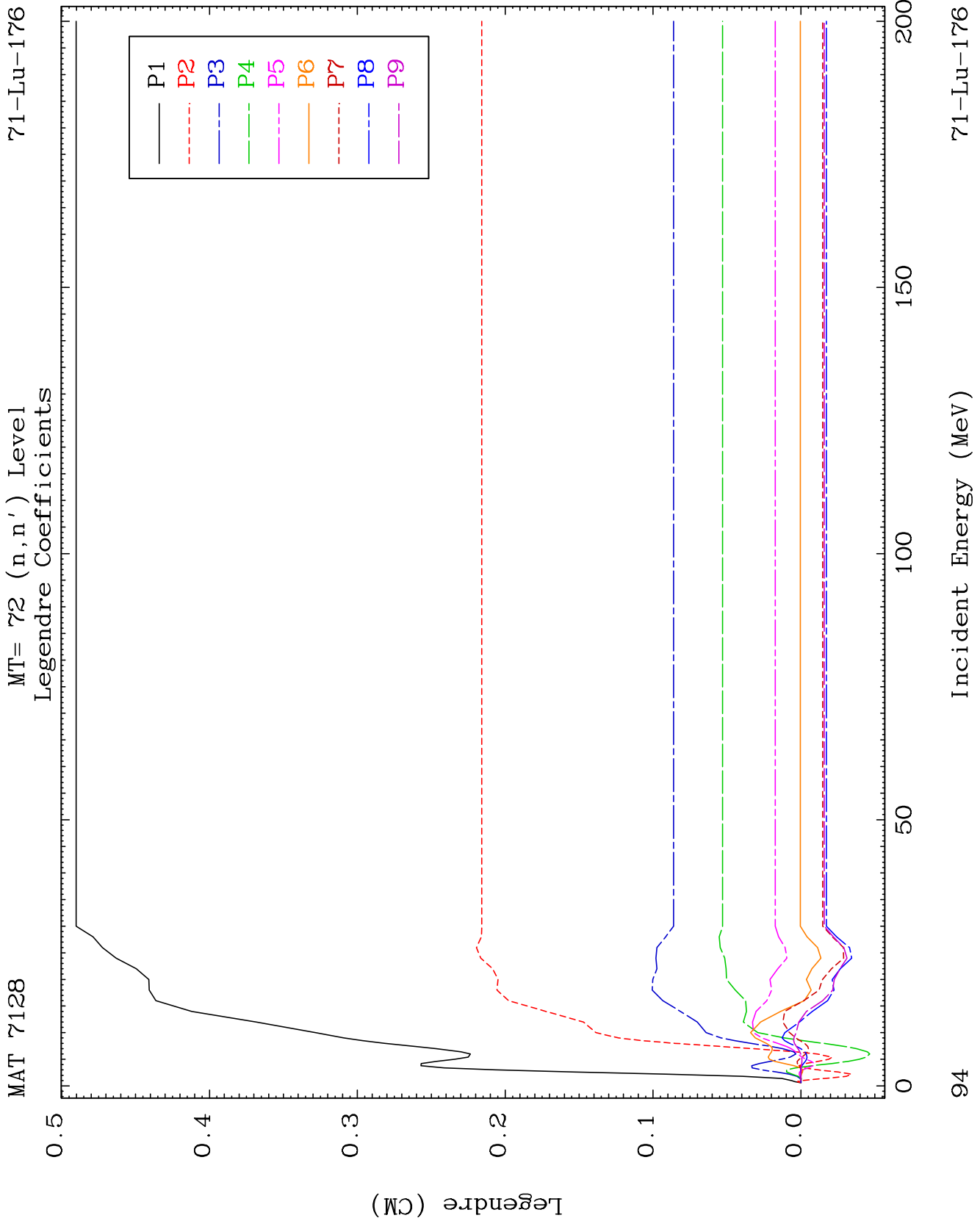
71-Lu-176







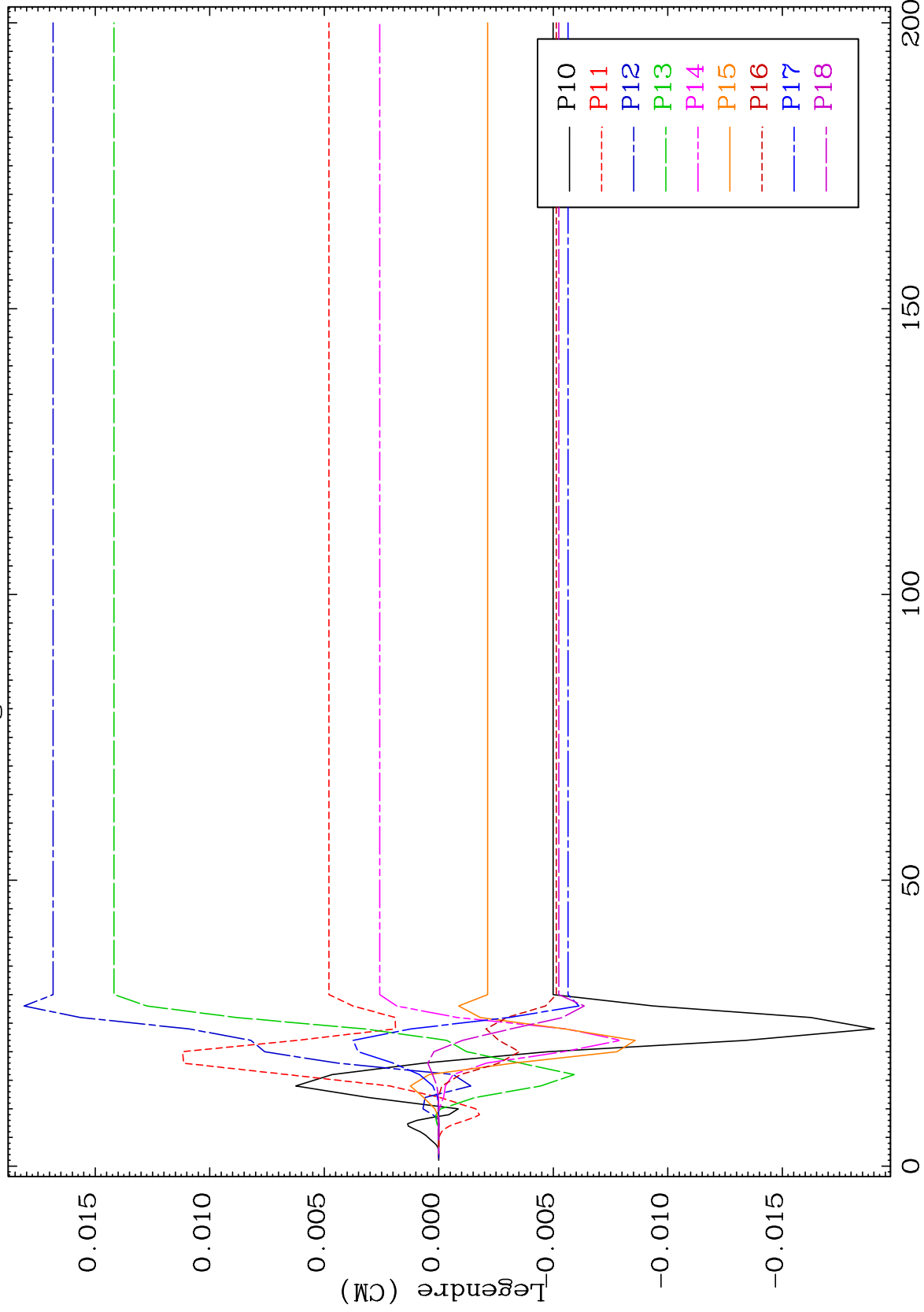




MAT 7128

MT= 72 (n,n') Level  
Legendre Coefficients

71-Lu-176



95

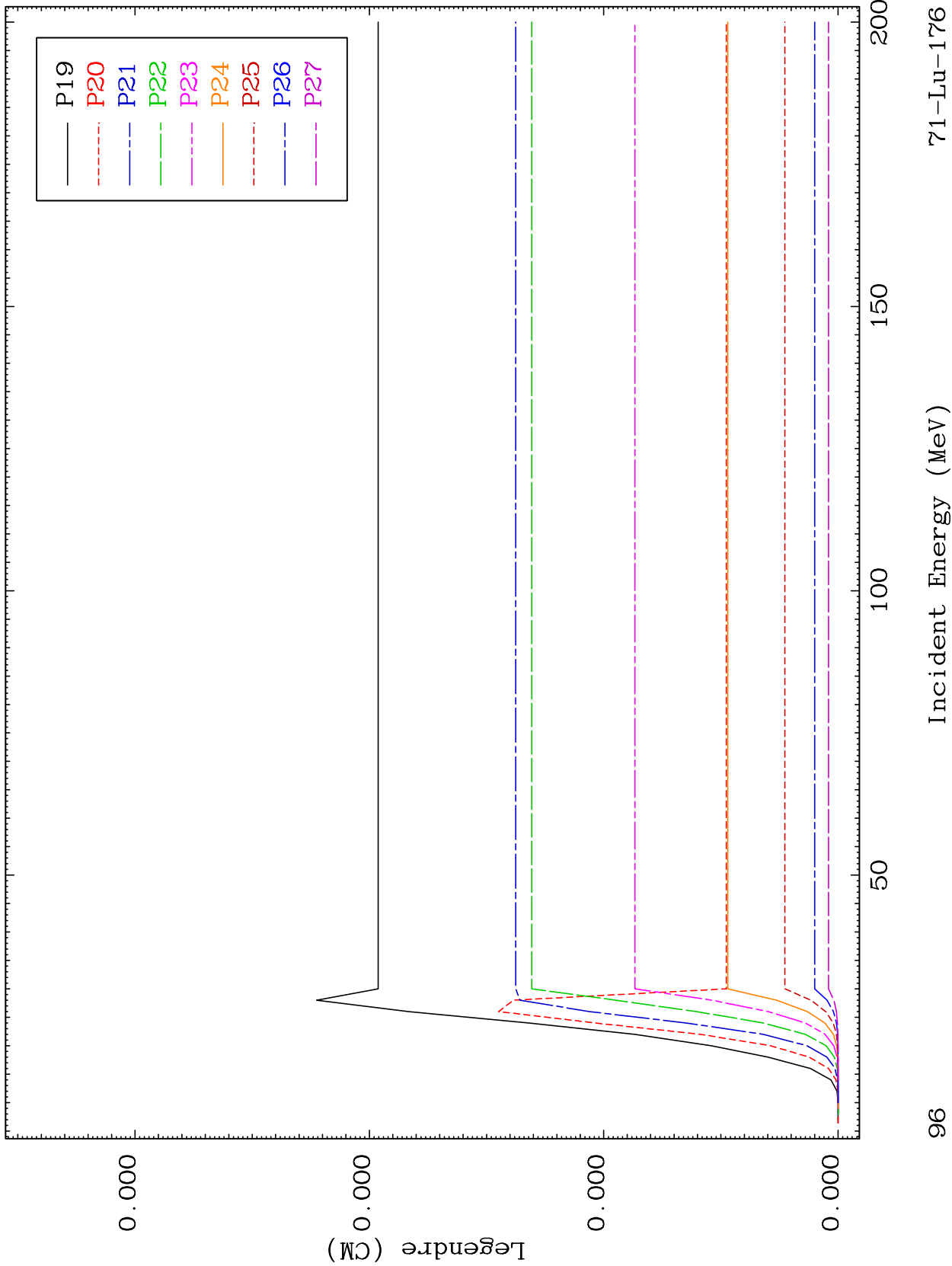
71-Lu-176



MAT 7128

MT= 72 (n,n') Level  
Legendre Coefficients

71-Lu-176



96

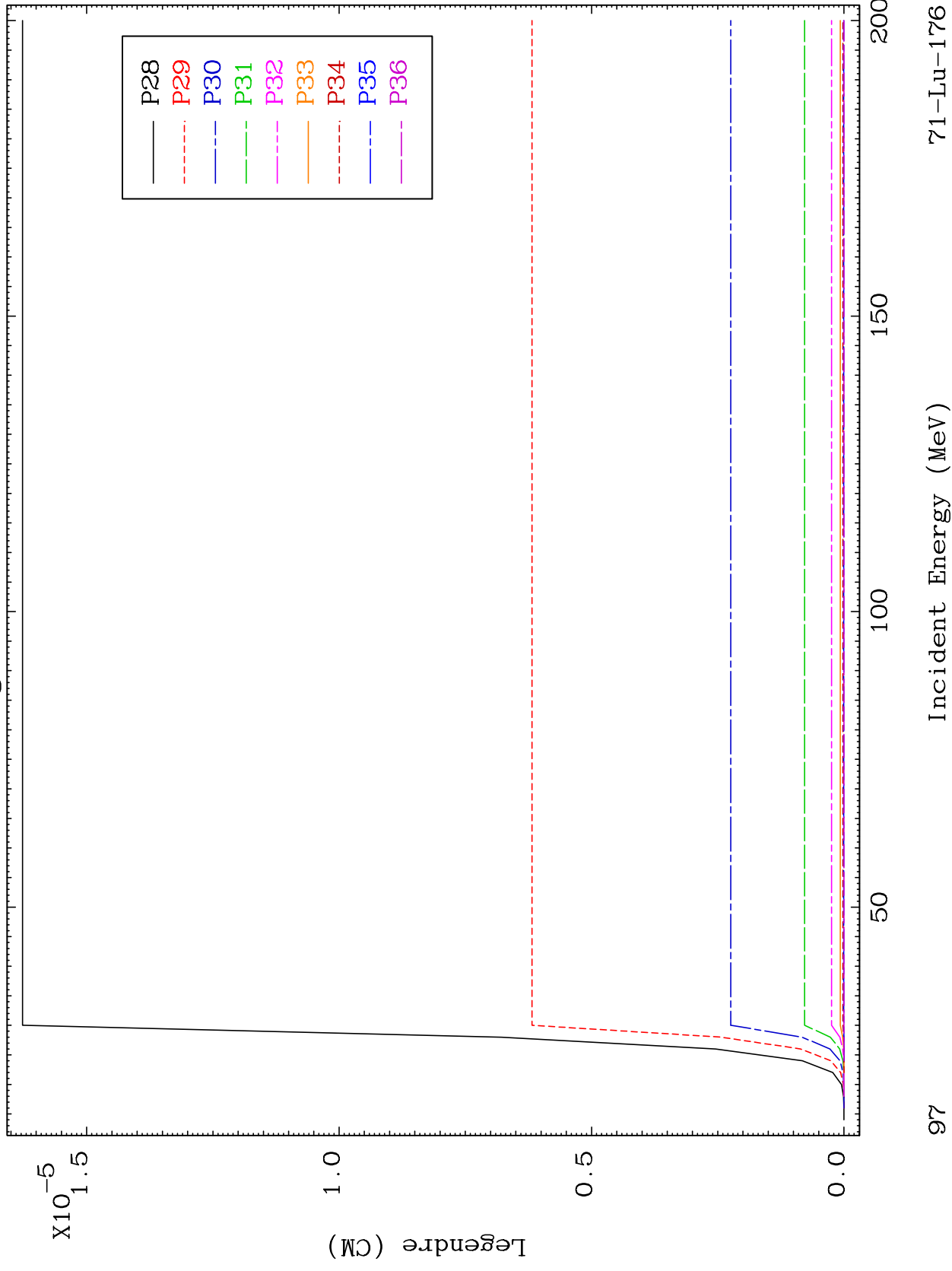
Incident Energy (MeV)

71-Lu-176

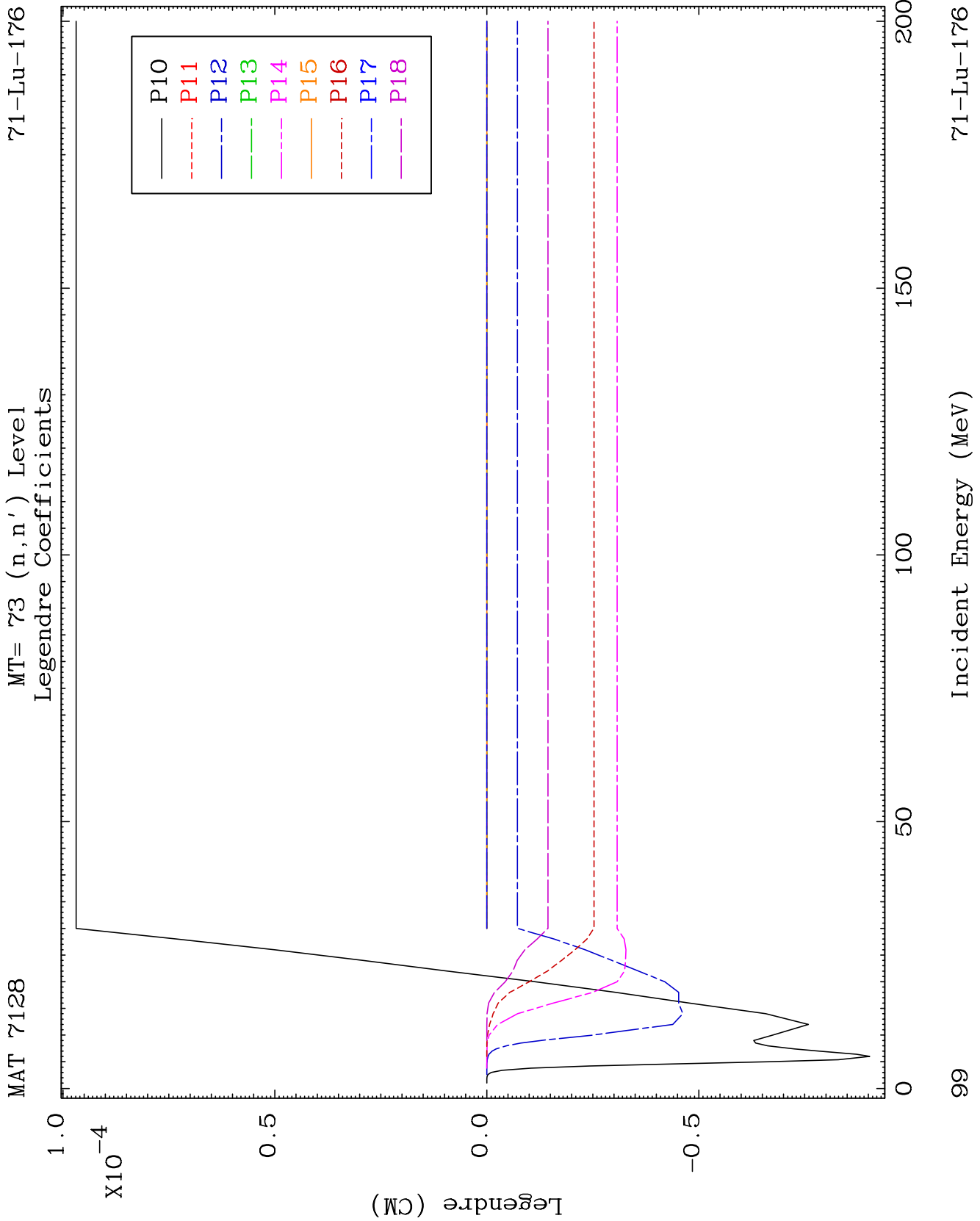
MAT 7128

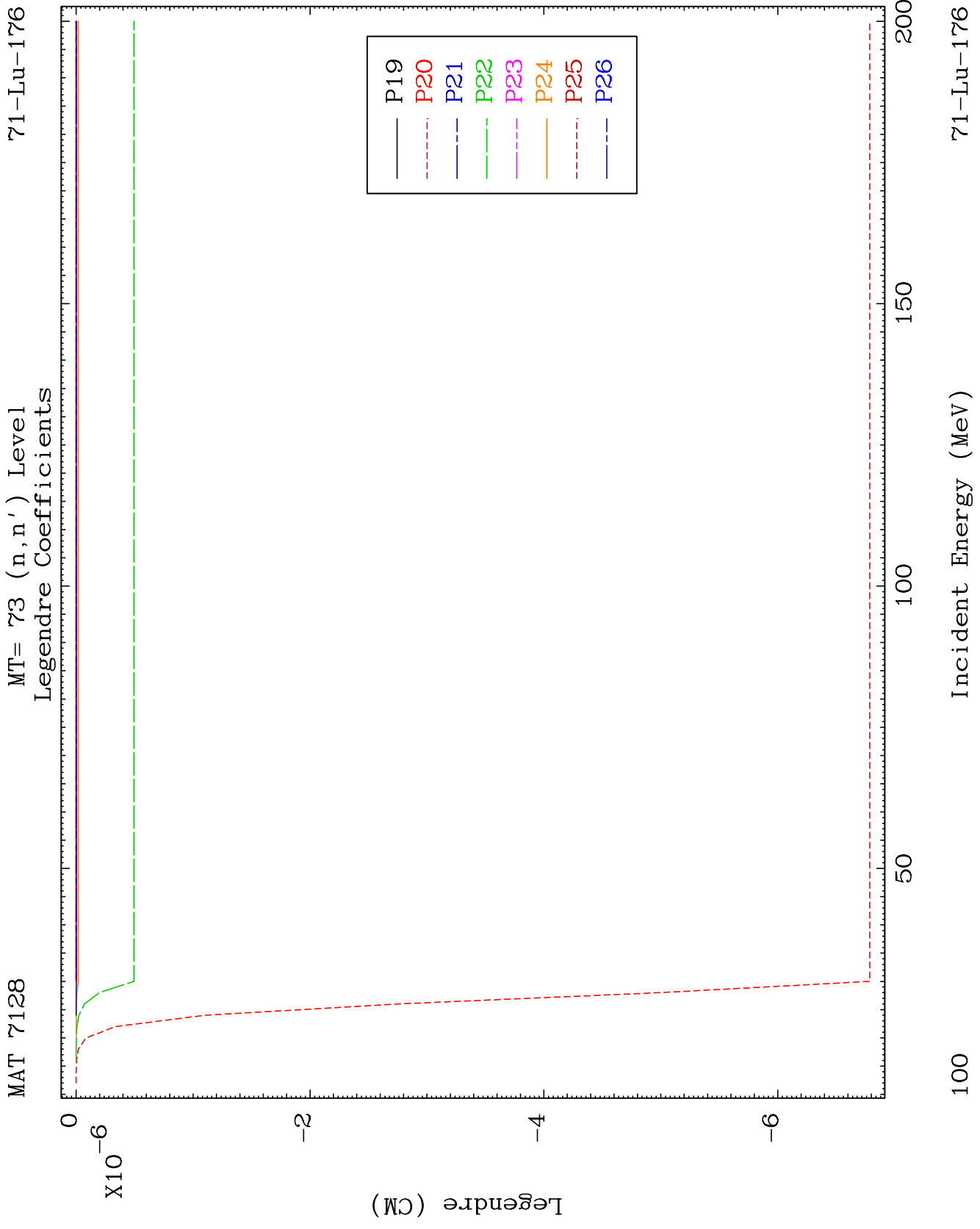
MT= 72 (n,n') Level  
Legendre Coefficients

71-Lu-176





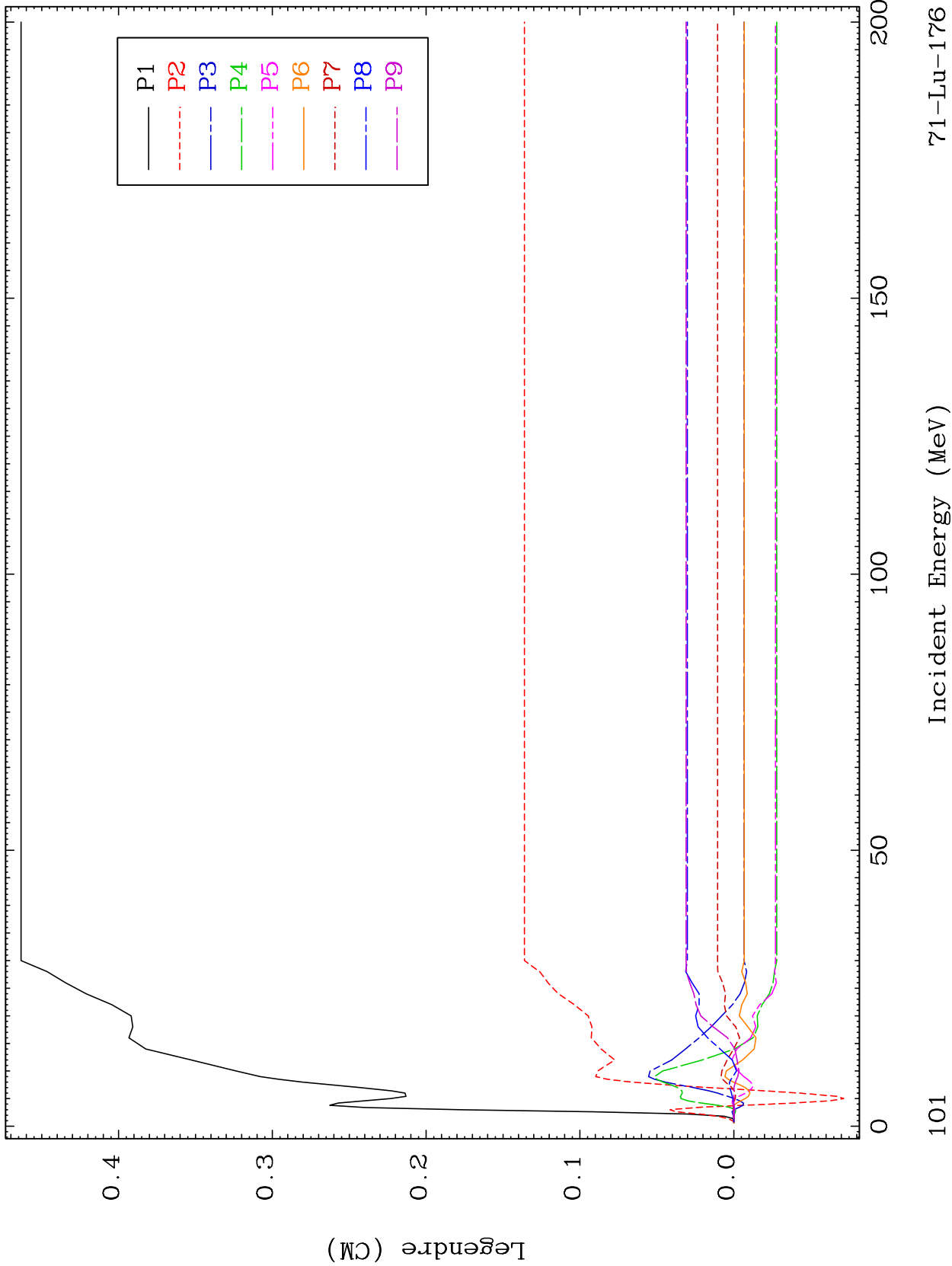




MAT 7128

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

71-Lu-176



71-Lu-176

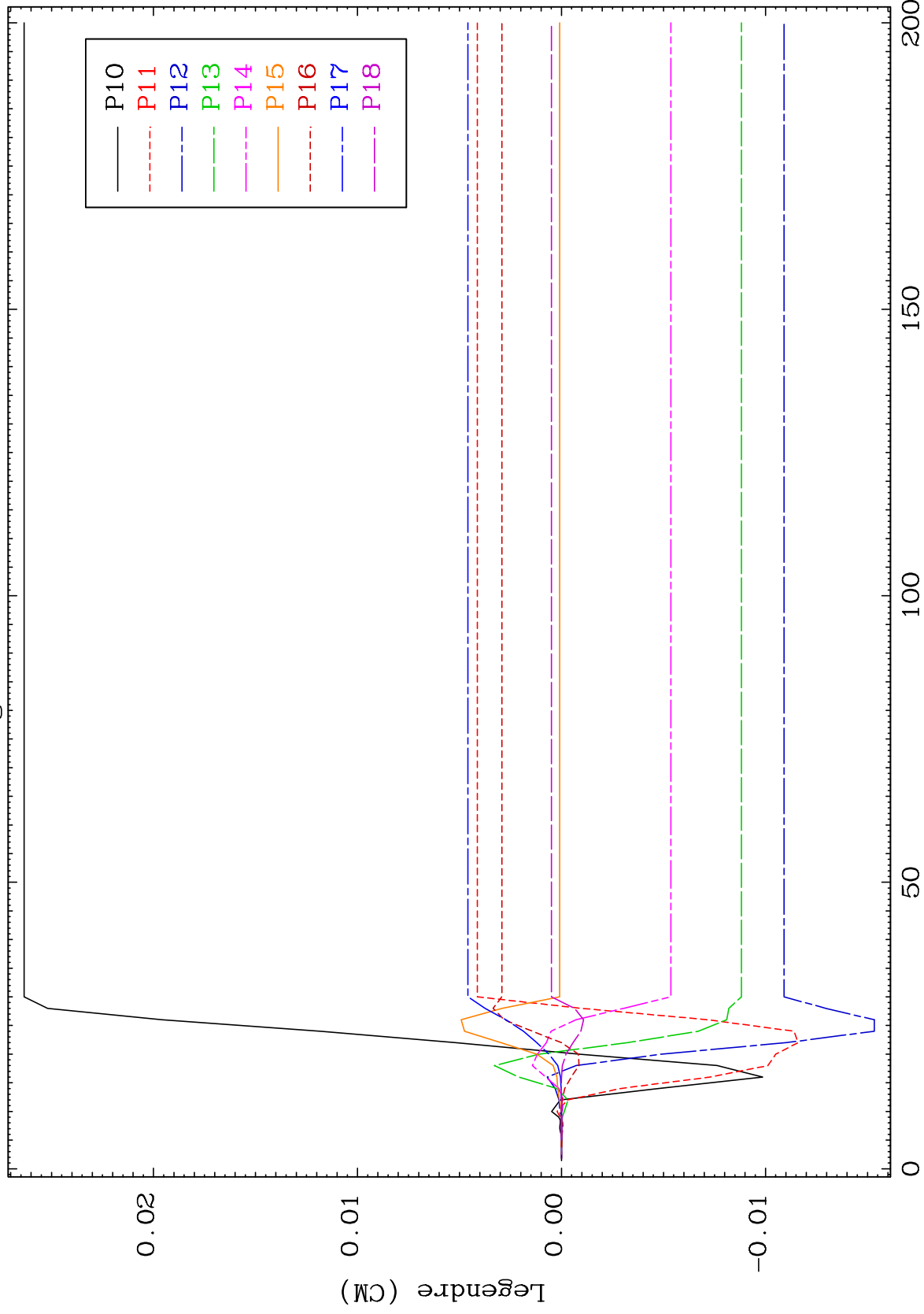
Incident Energy (MeV)

101

MAT 7128

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

71-Lu-176



102

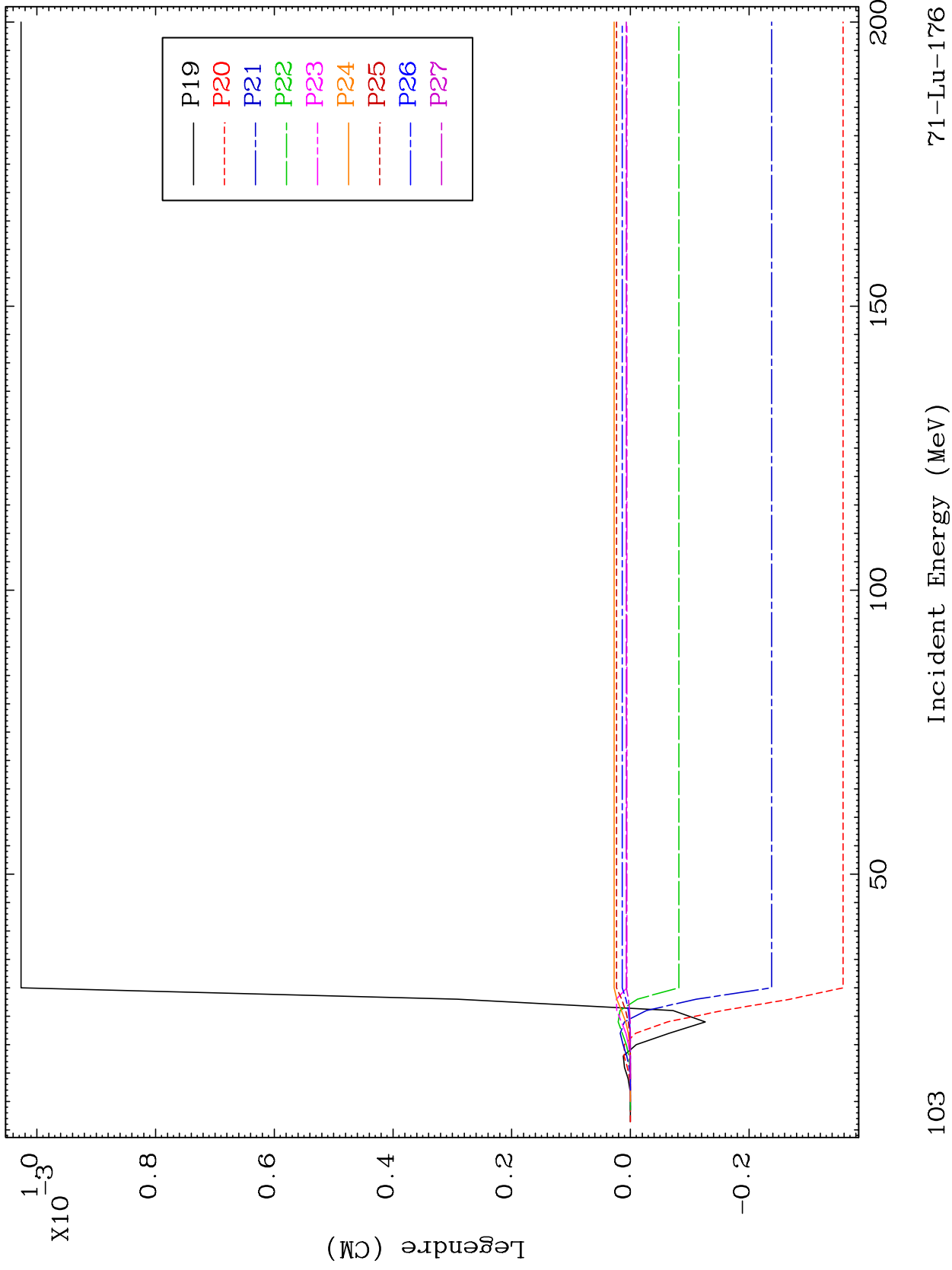
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



103

Incident Energy (MeV)

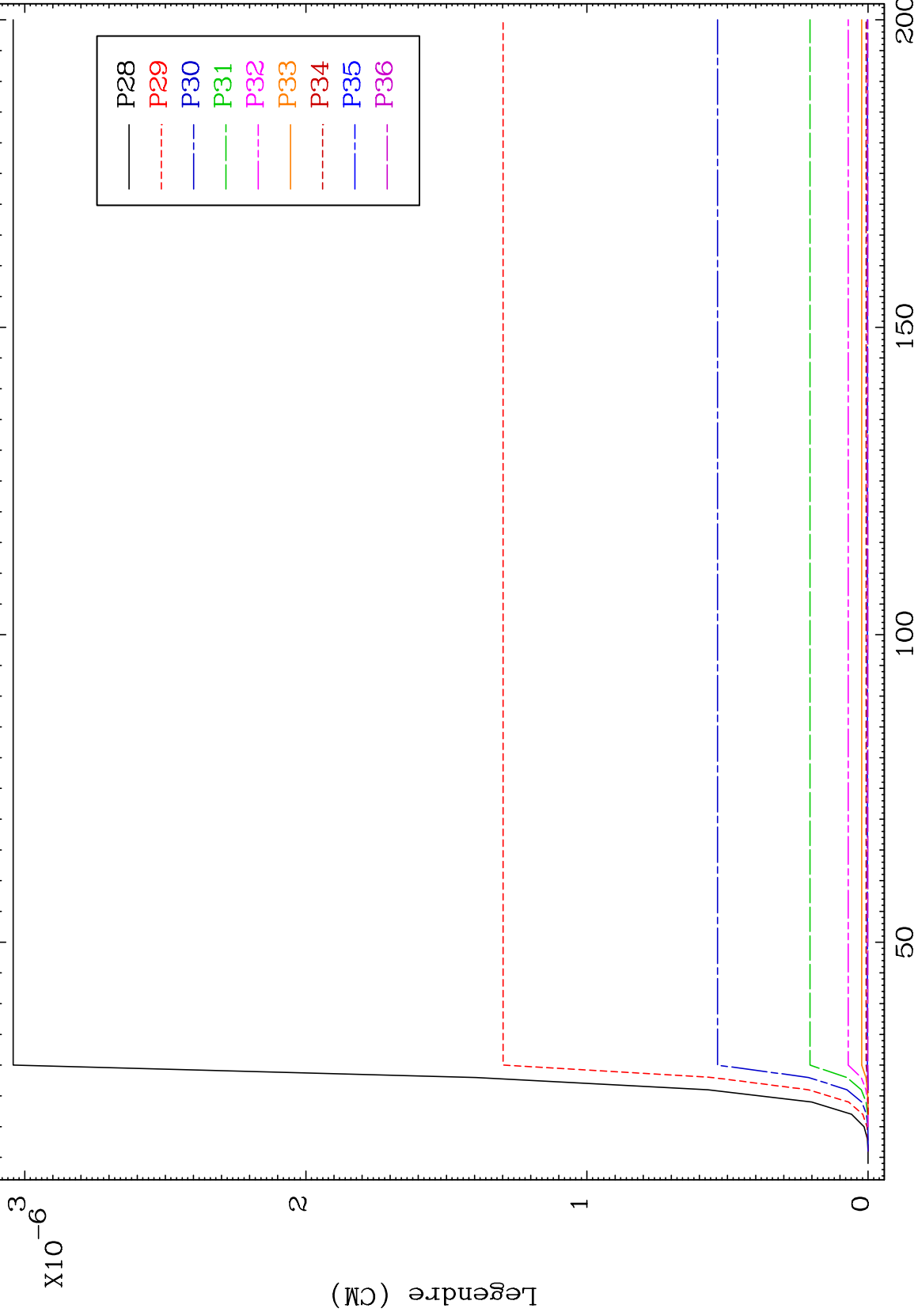
71-Lu-176



MAT 7128

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

71-Lu-176



104

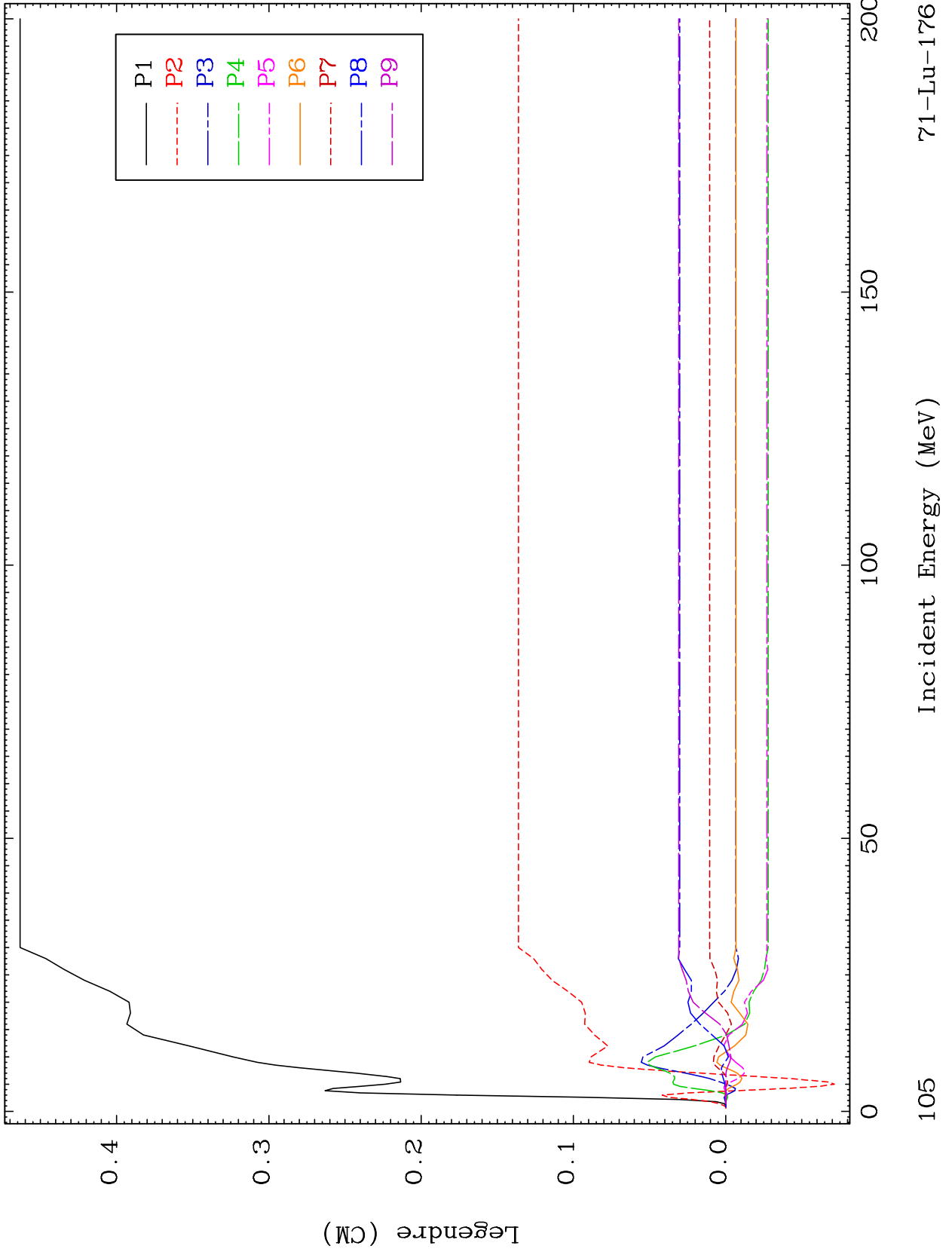
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

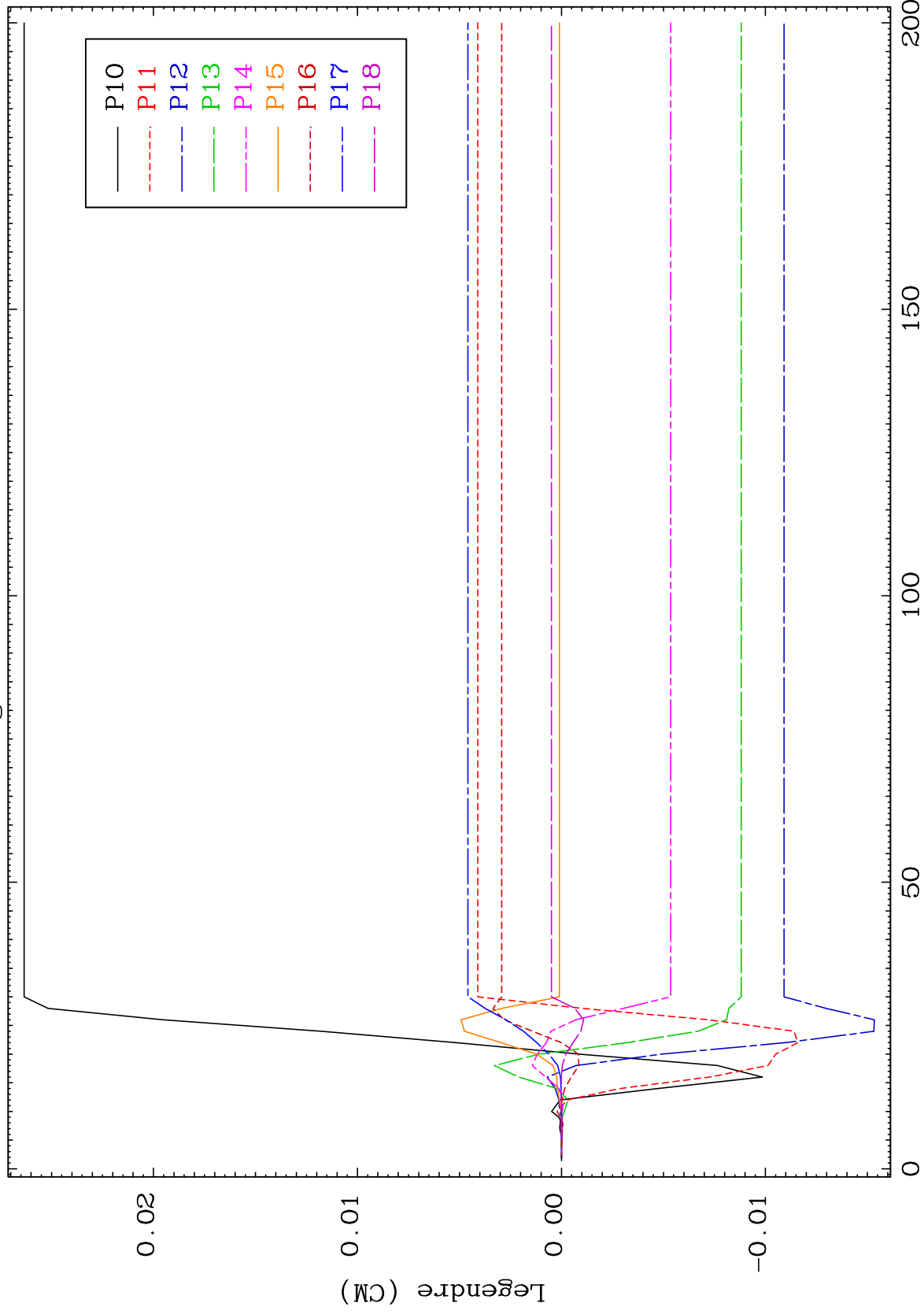
Incident Energy (MeV)

105

MAT 7128

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

71-Lu-176



106

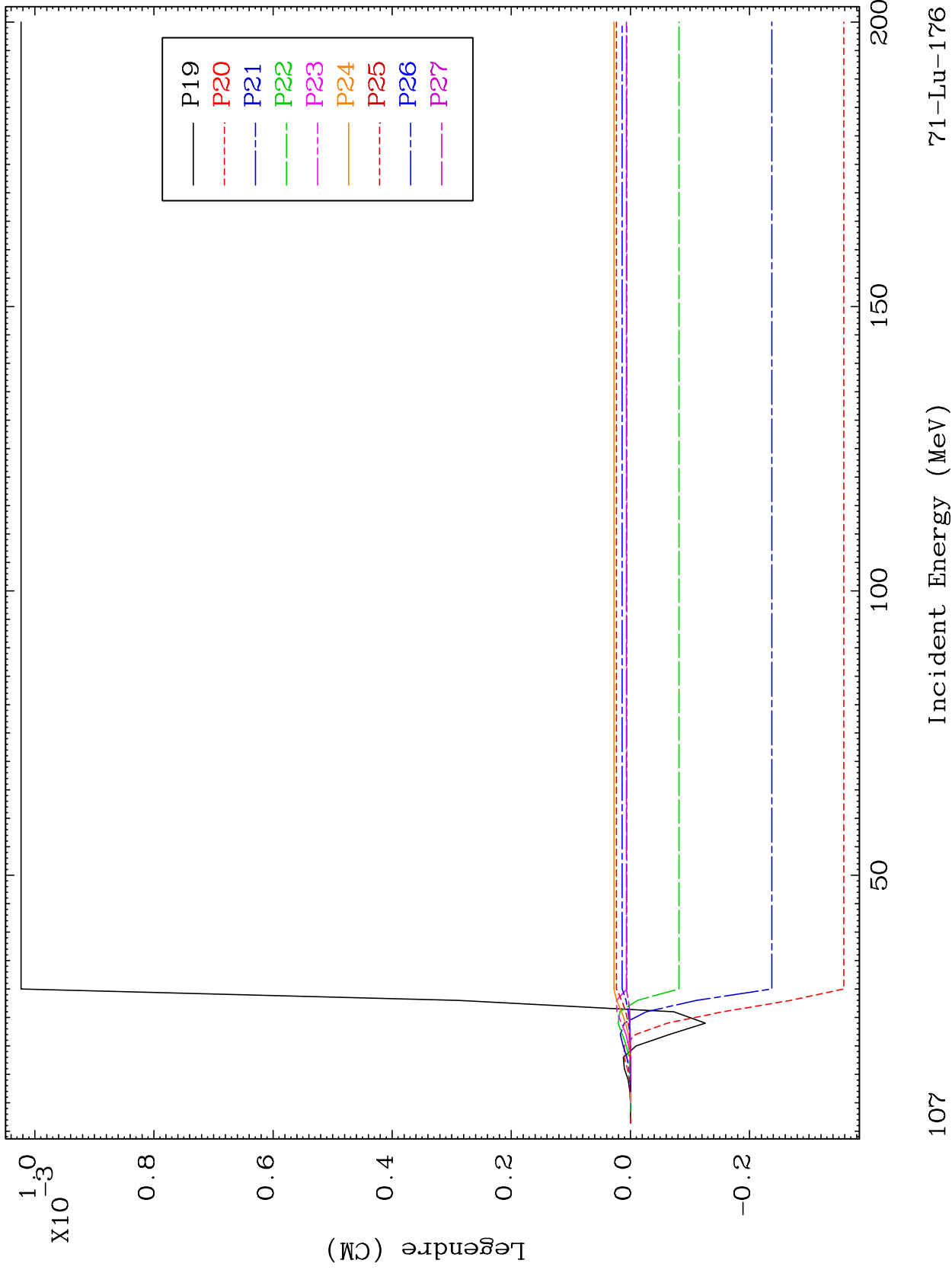
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



107

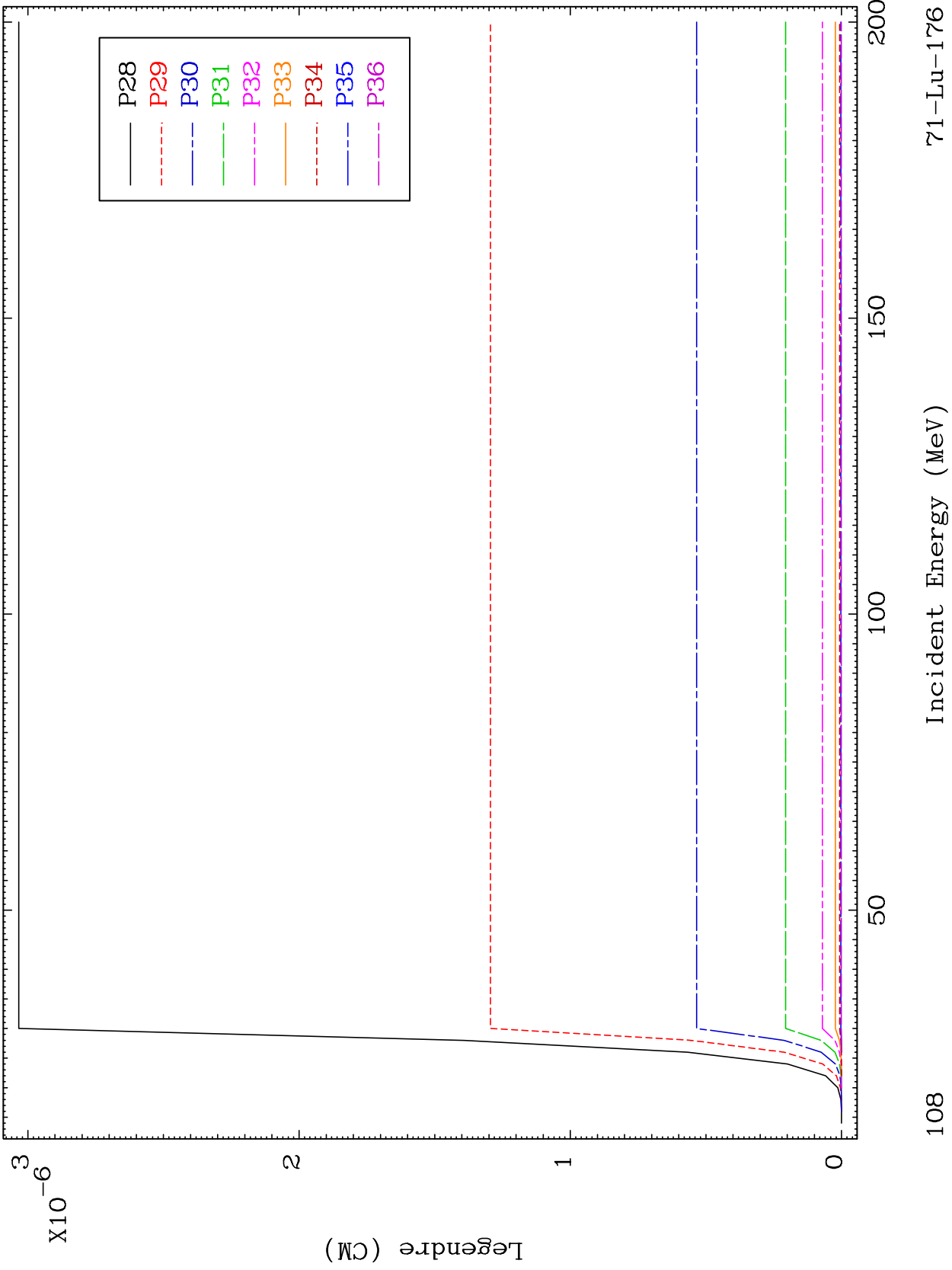
Incident Energy (MeV)

71-Lu-176

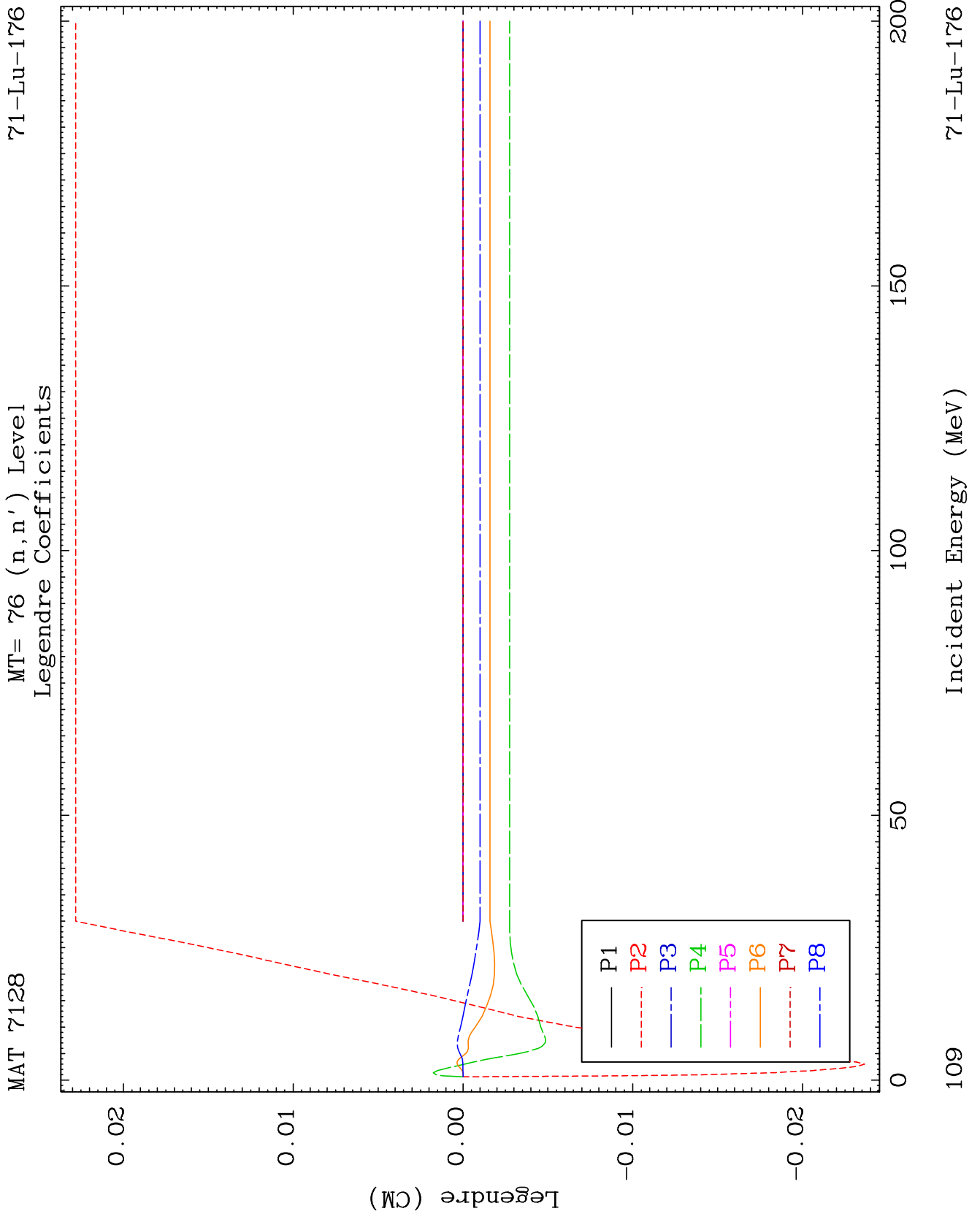
MAT 7128

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

71-Lu-176



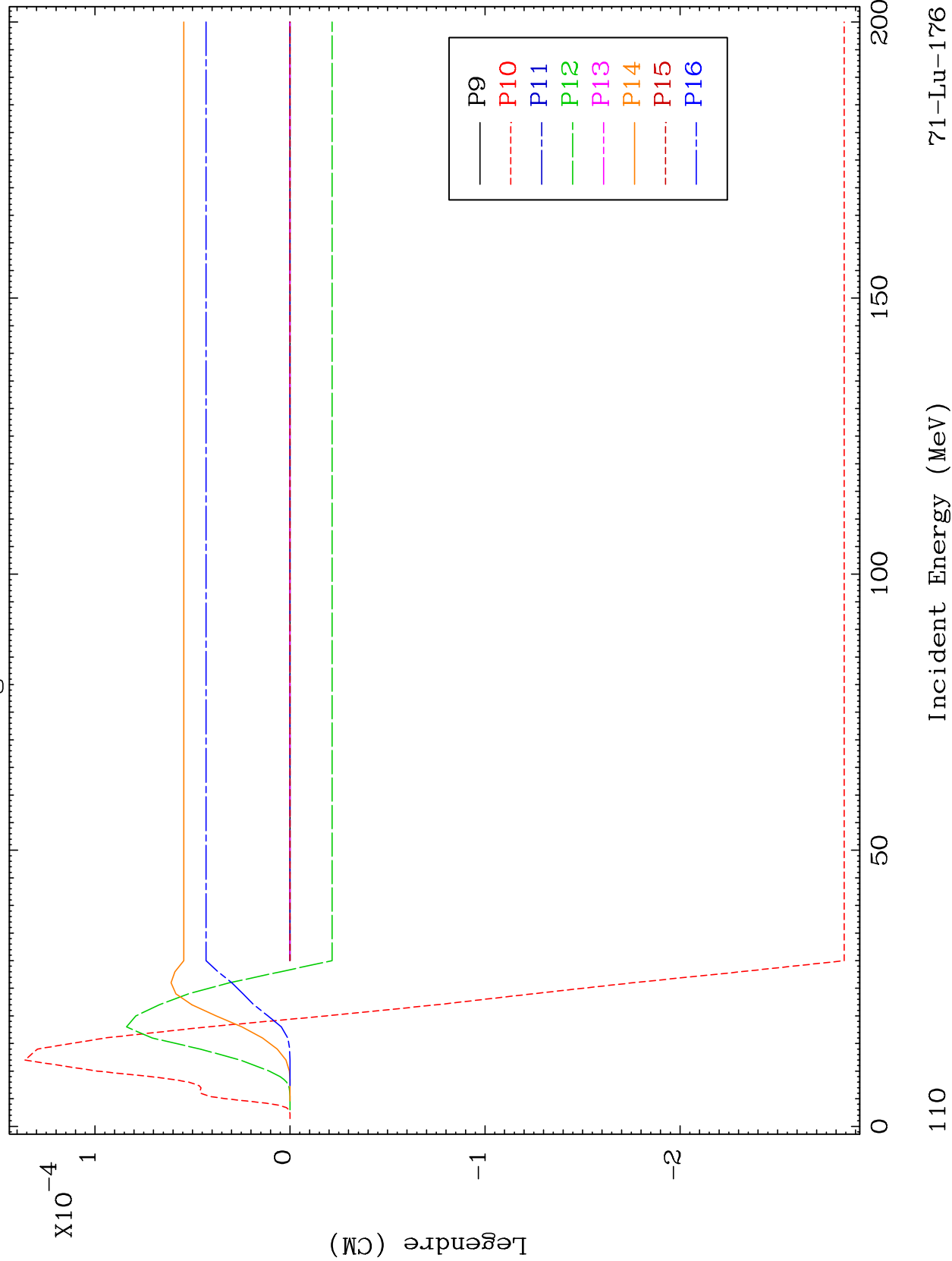
108



MAT 7128

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

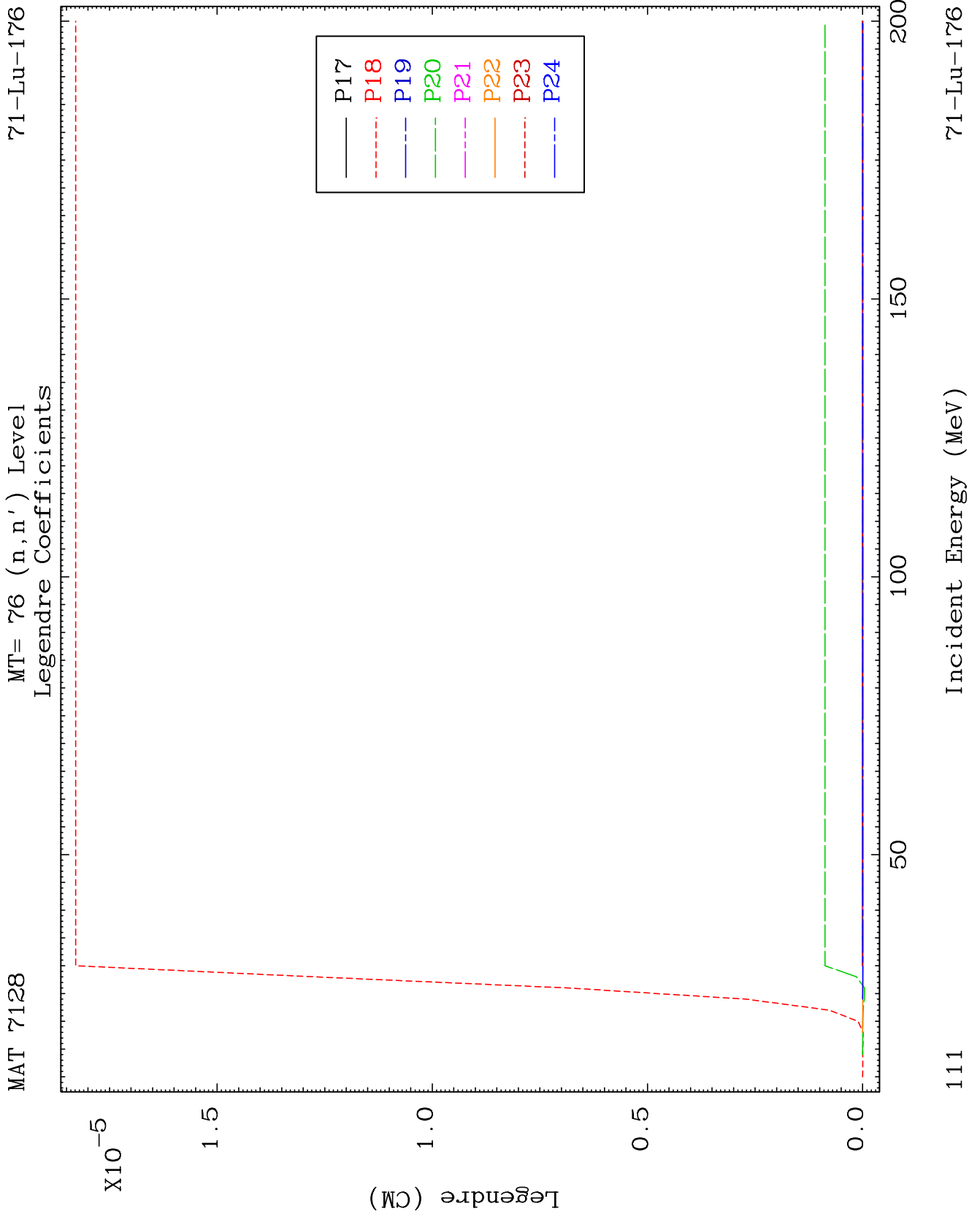
71-Lu-176



71-Lu-176

Incident Energy (MeV)

110

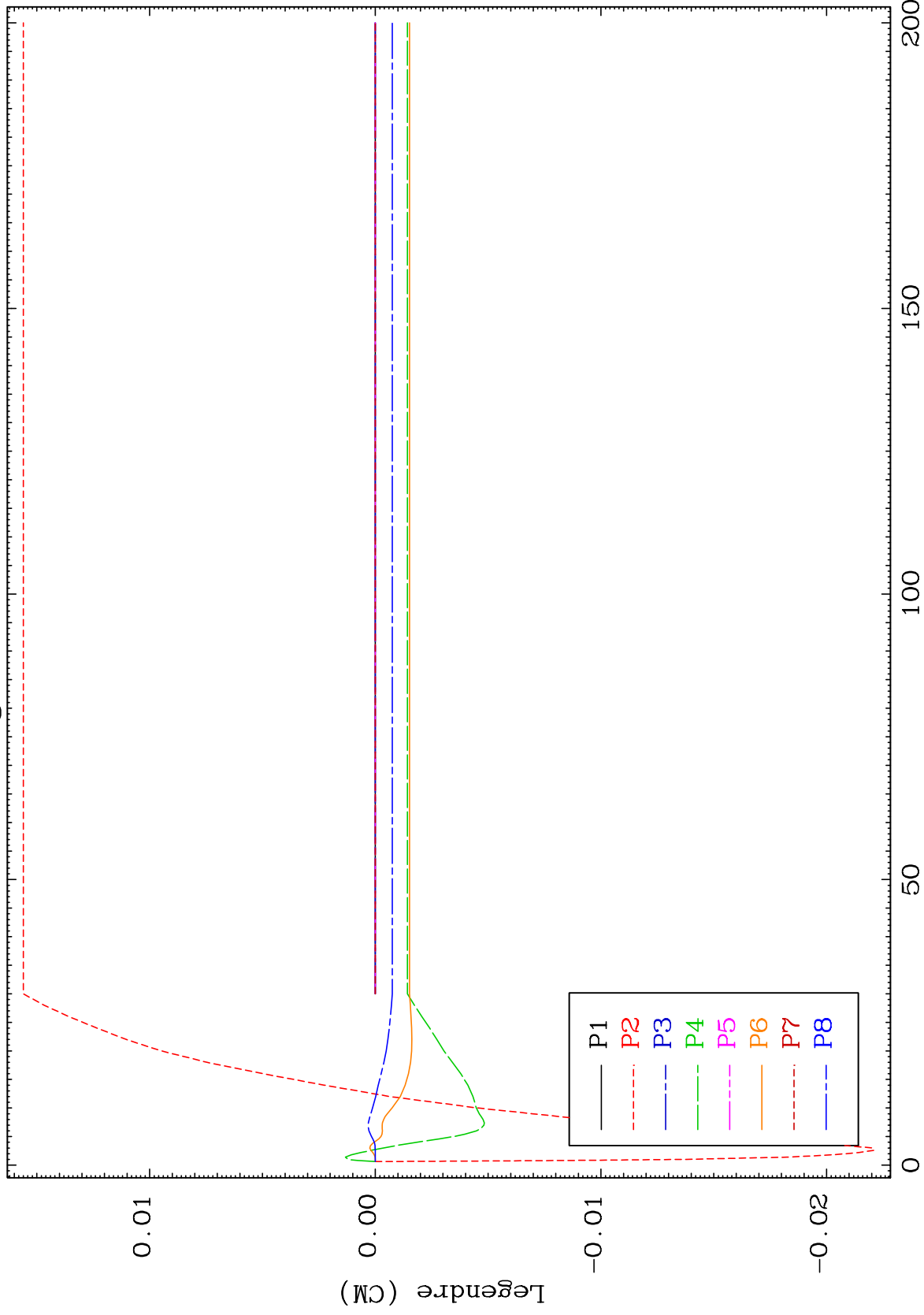




MAT 7128

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

71-Lu-176



112

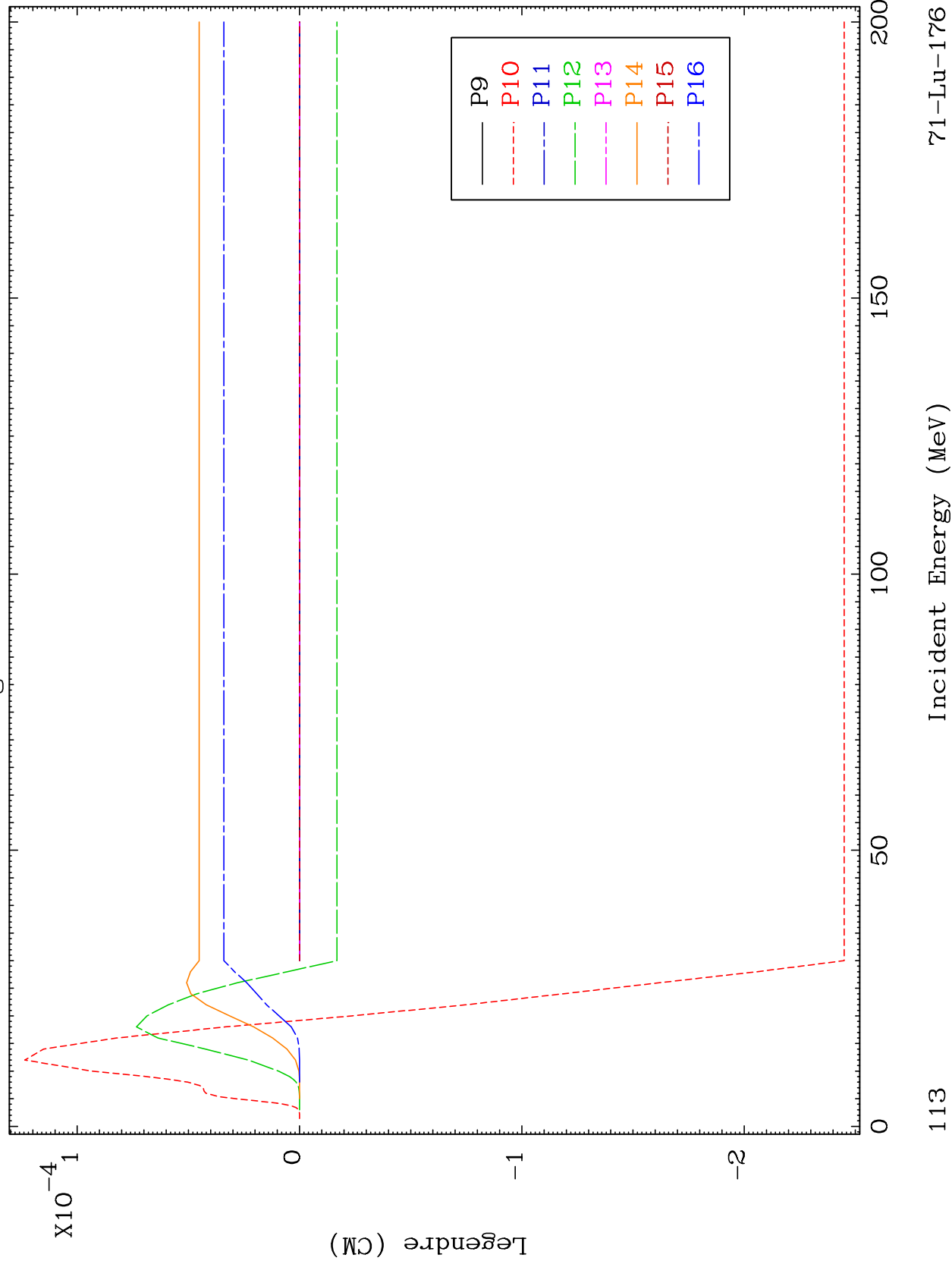
Incident Energy (MeV)

71-Lu-176

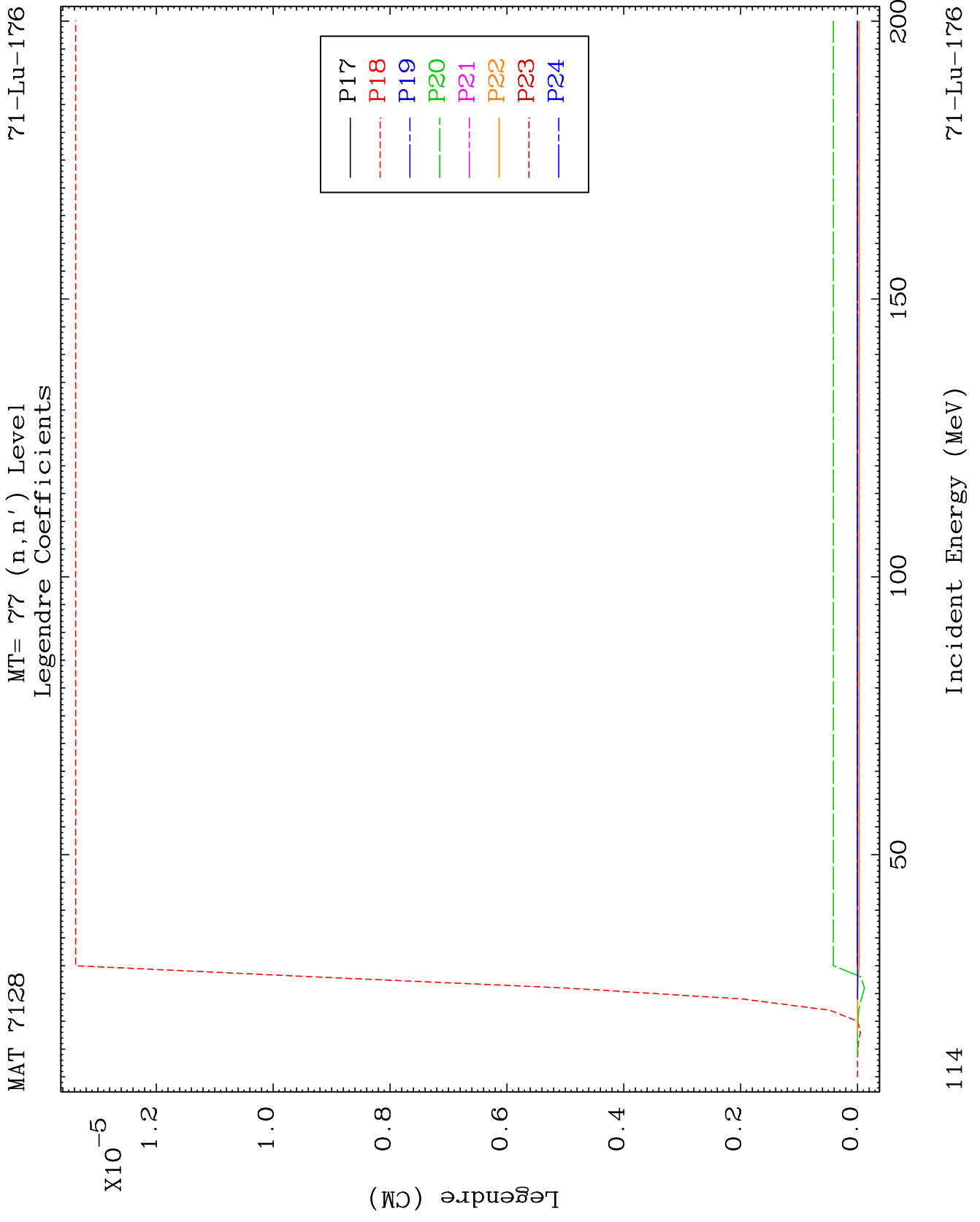
MAT 7128

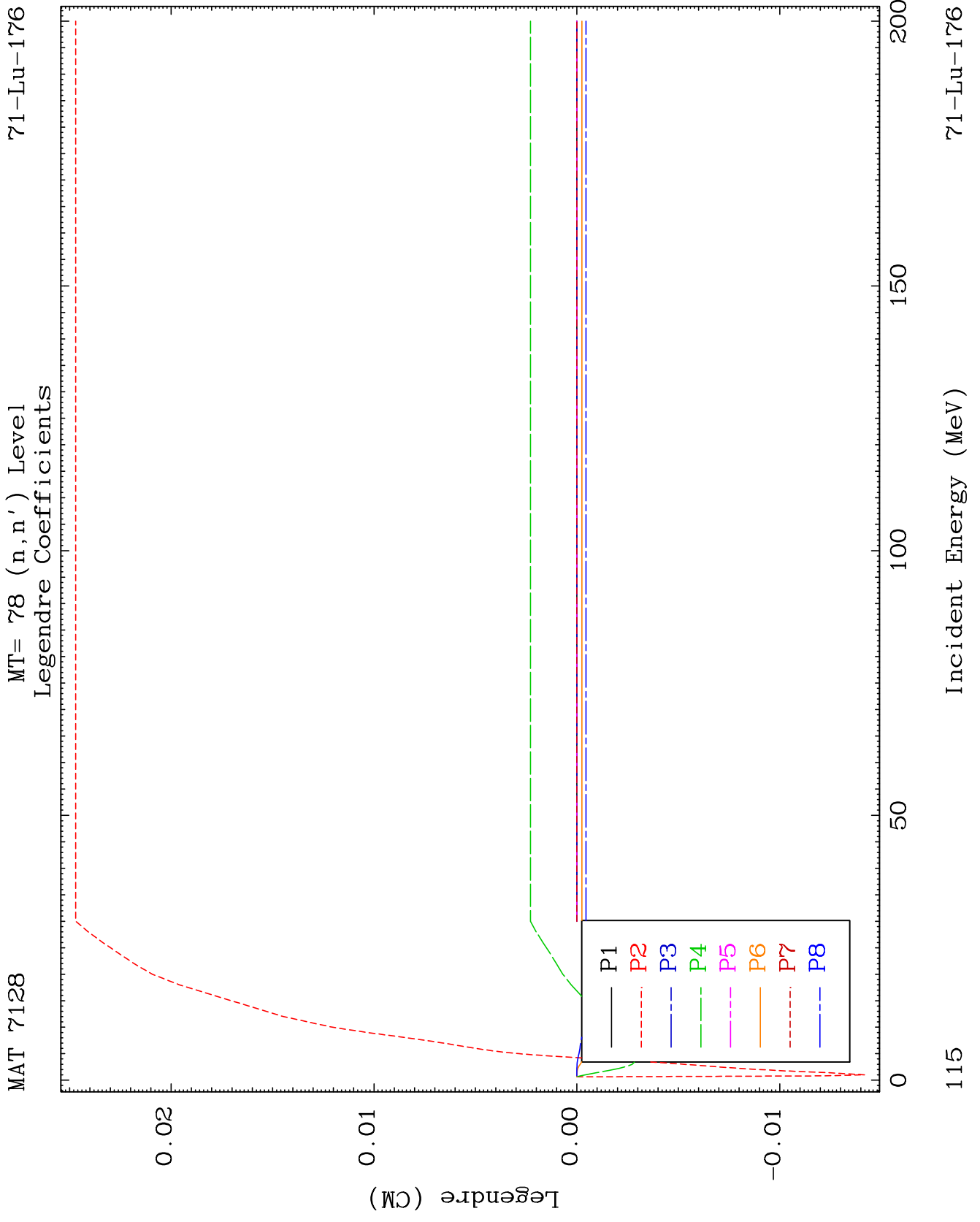
MT= 77 (n,n') Level  
Legendre Coefficients

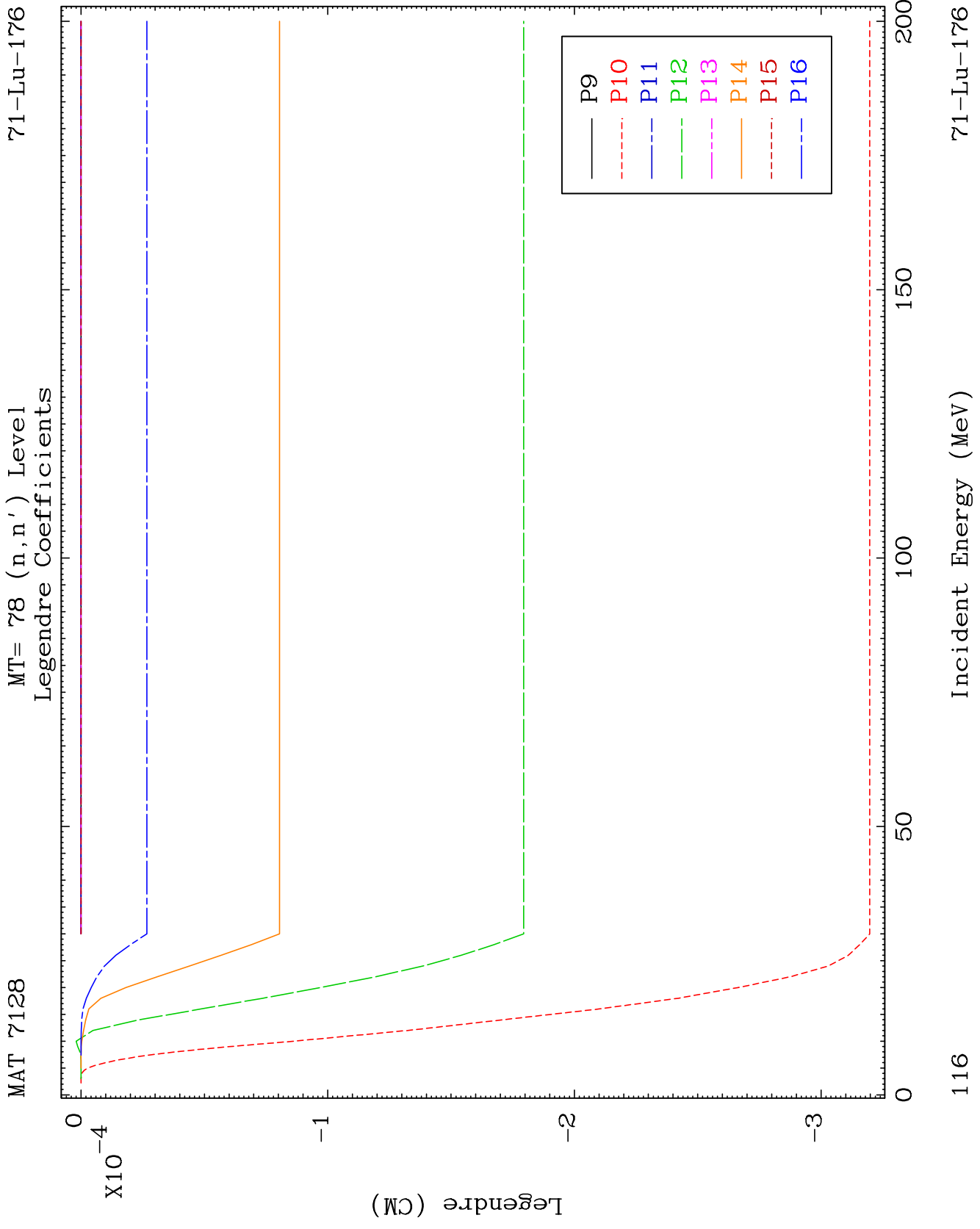
71-Lu-176

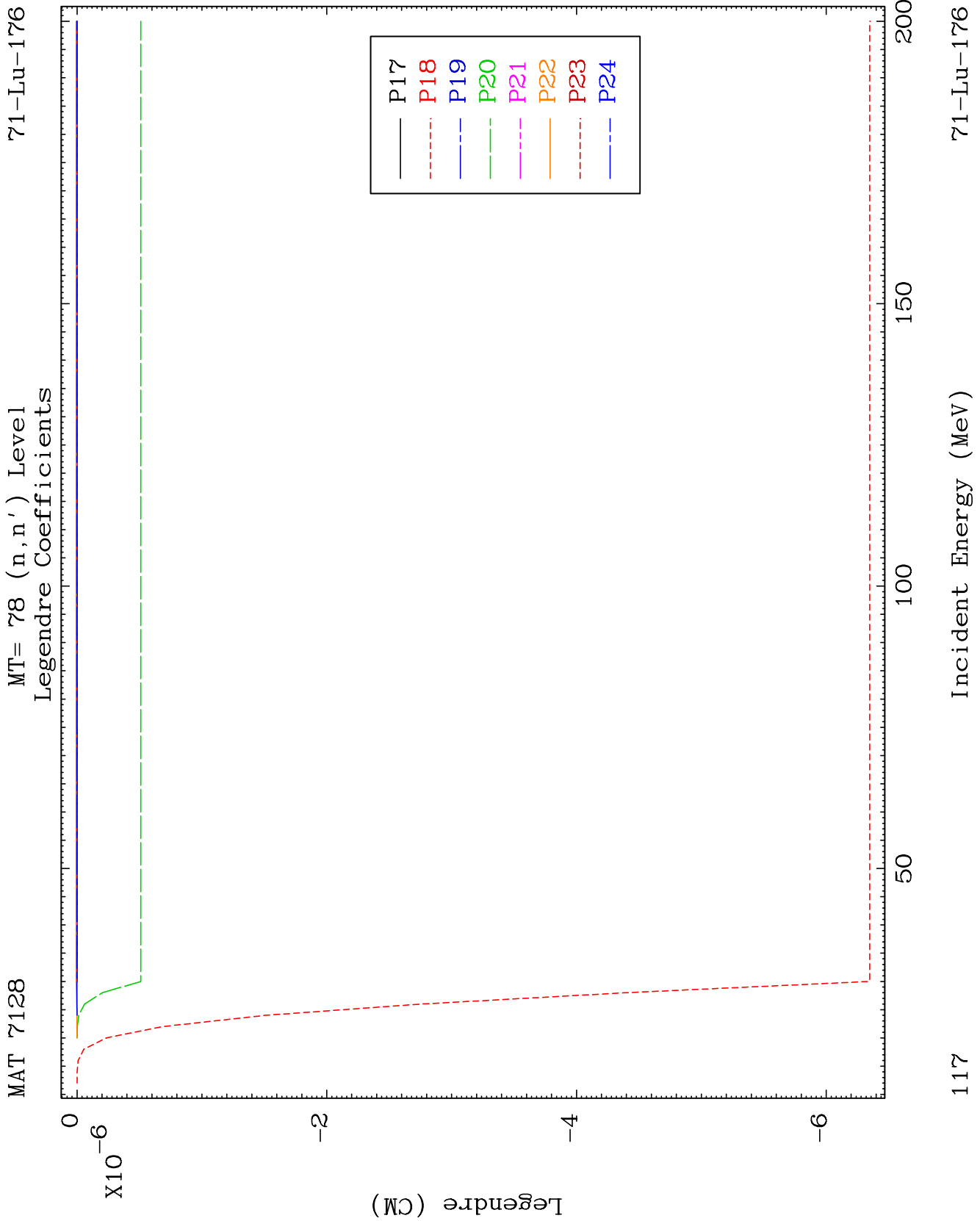


113





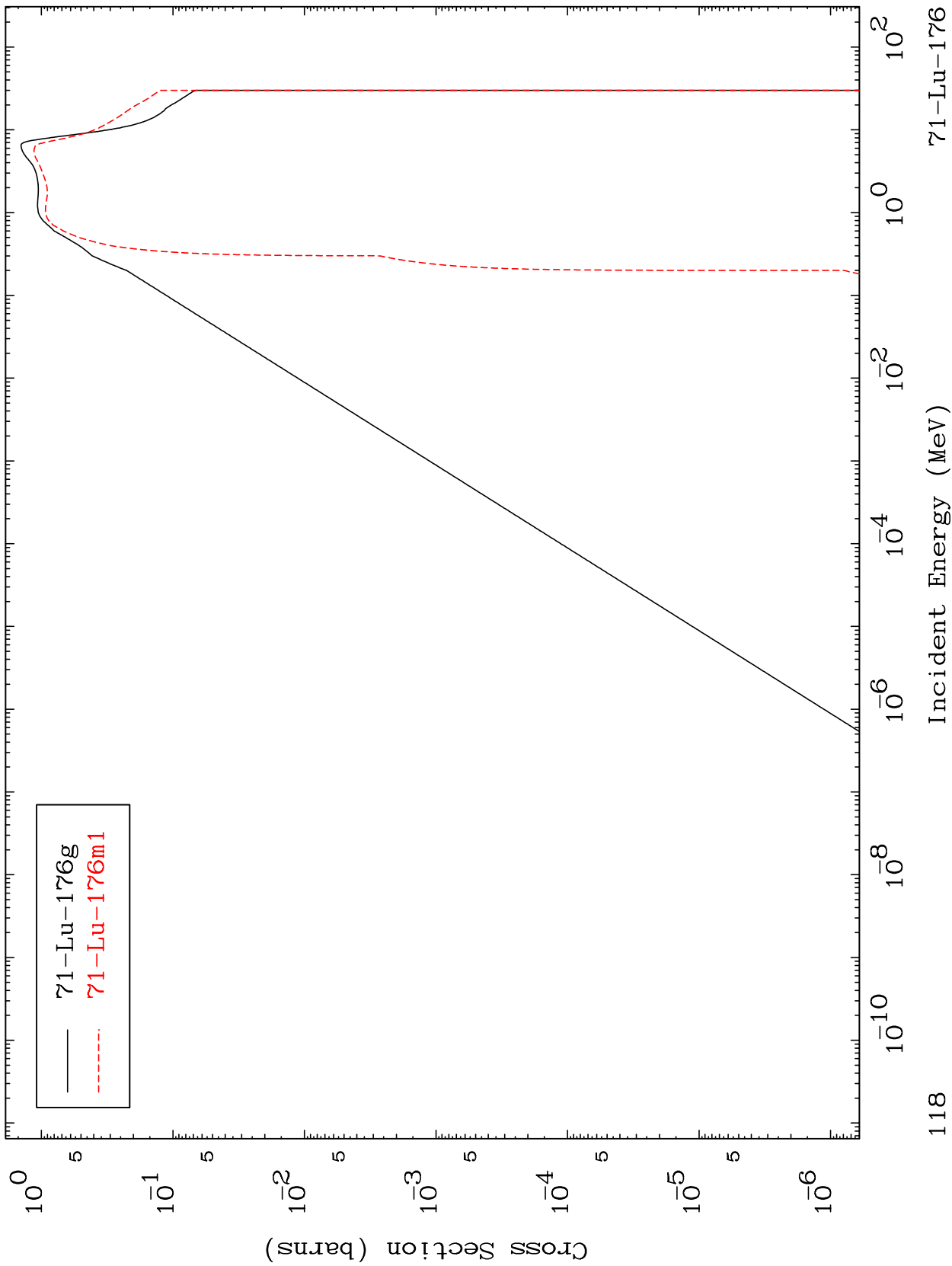




MAT 7128

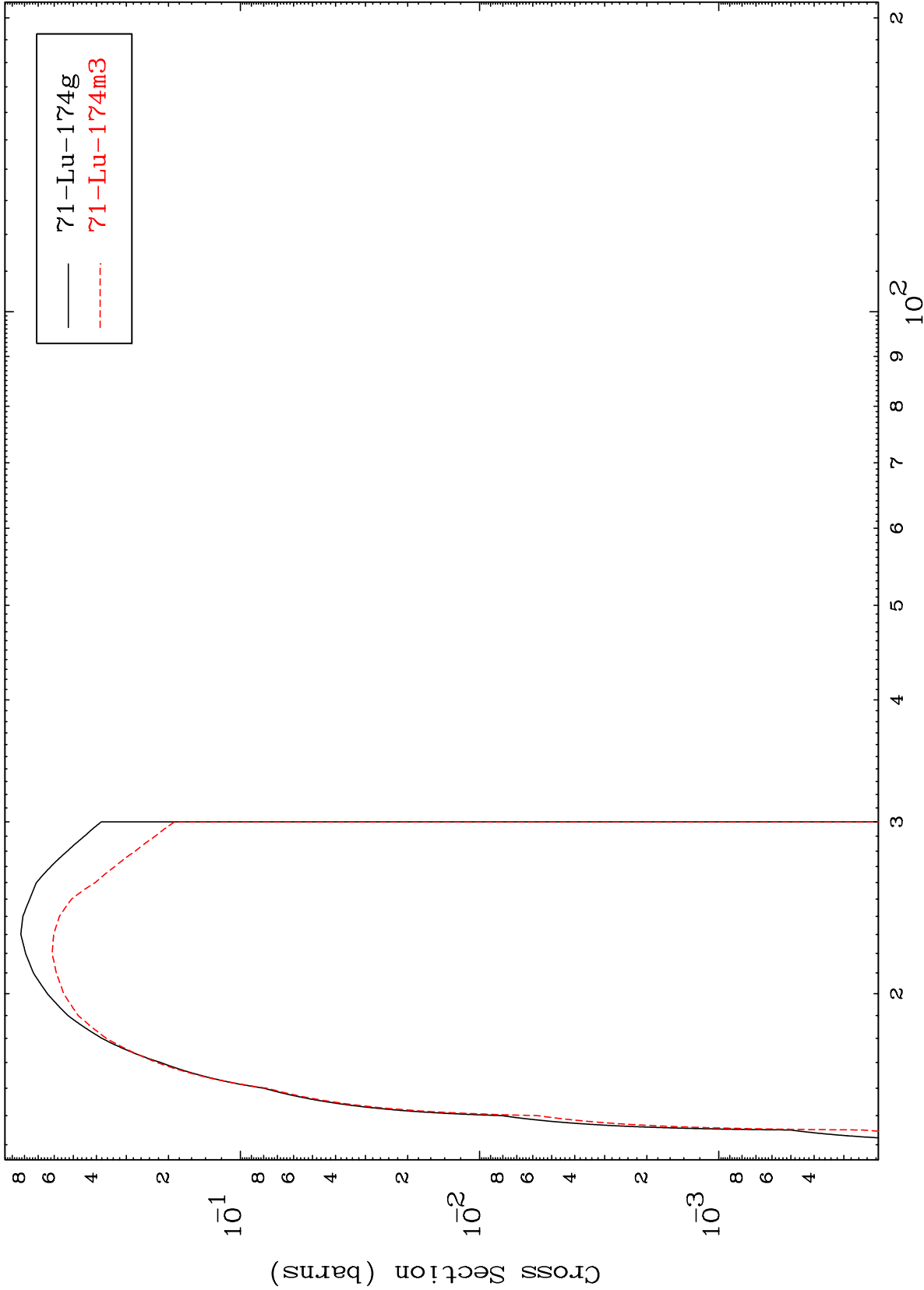
71-Lu-176

Inelastic  
Radionuclide Production Cross Section



71-Lu-176g  
71-Lu-176m1

Radionuclide Production Cross Section

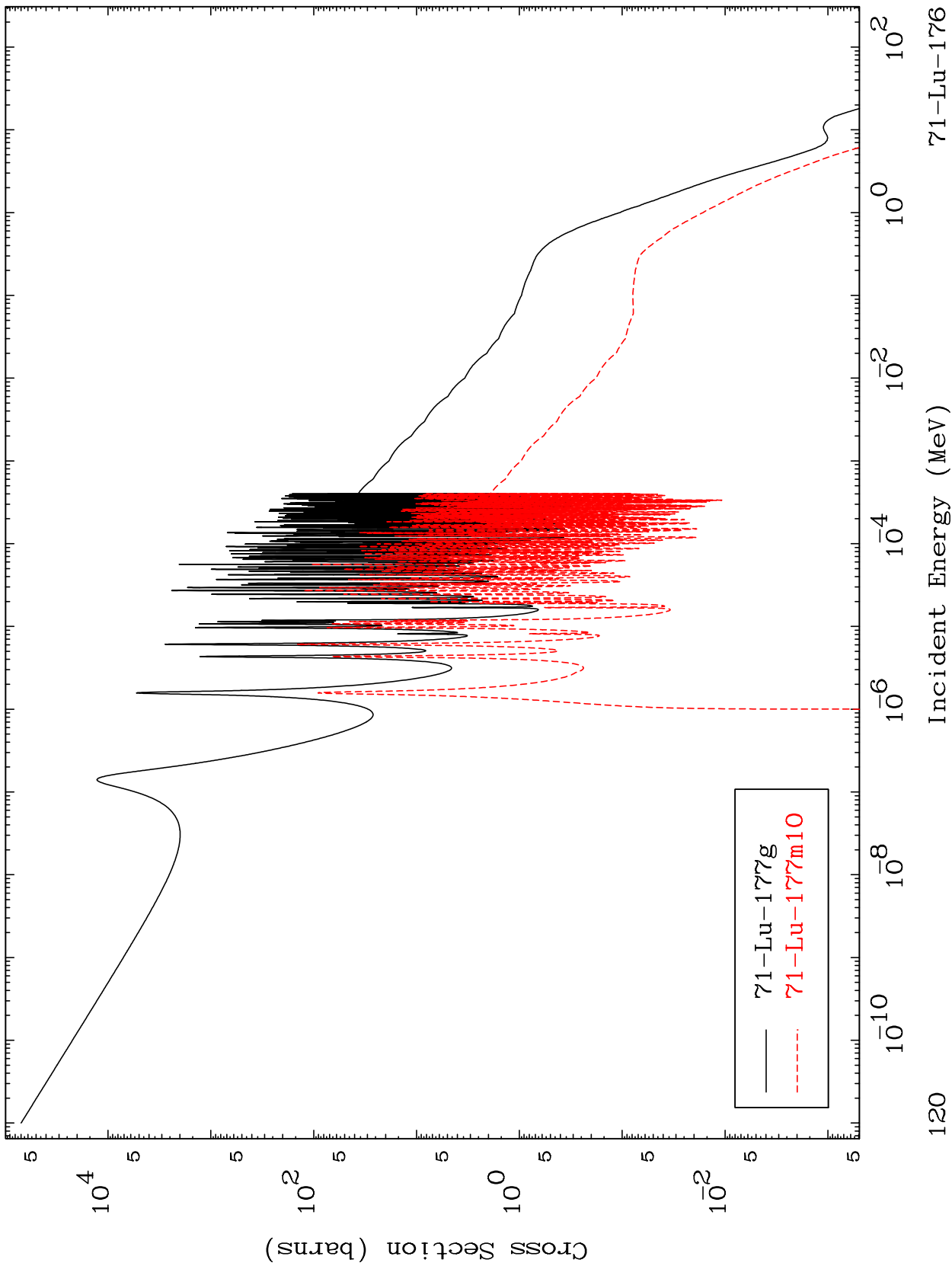




MAT 7128

71-Lu-176

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

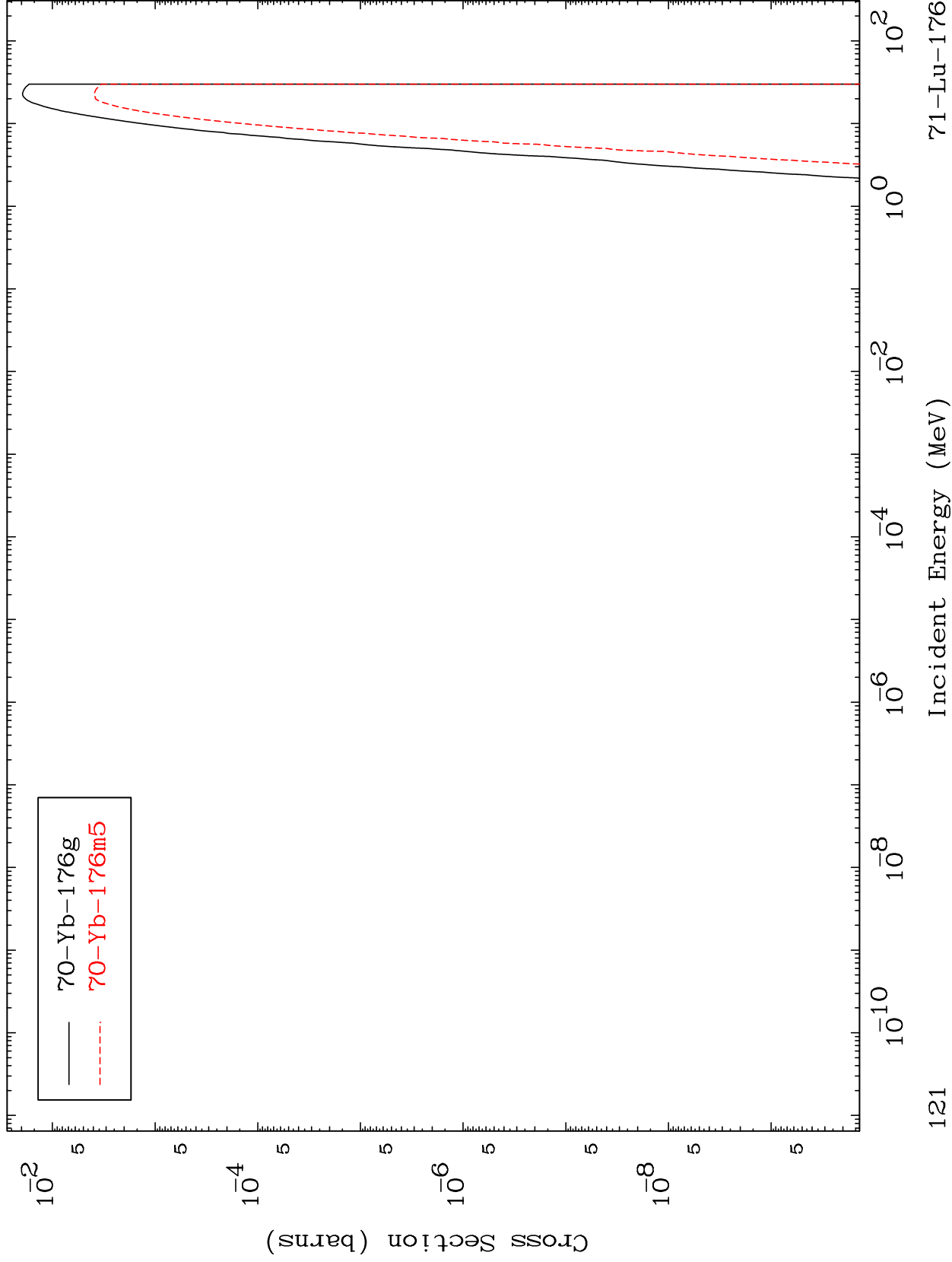


MAT 7128

(n,p)

<sup>71</sup>Lu-176

Radionuclide Production Cross Section



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Incident Energy (MeV)

<sup>71</sup>Lu-176