

Program EVALPLOT
(Version 2021-1)

by

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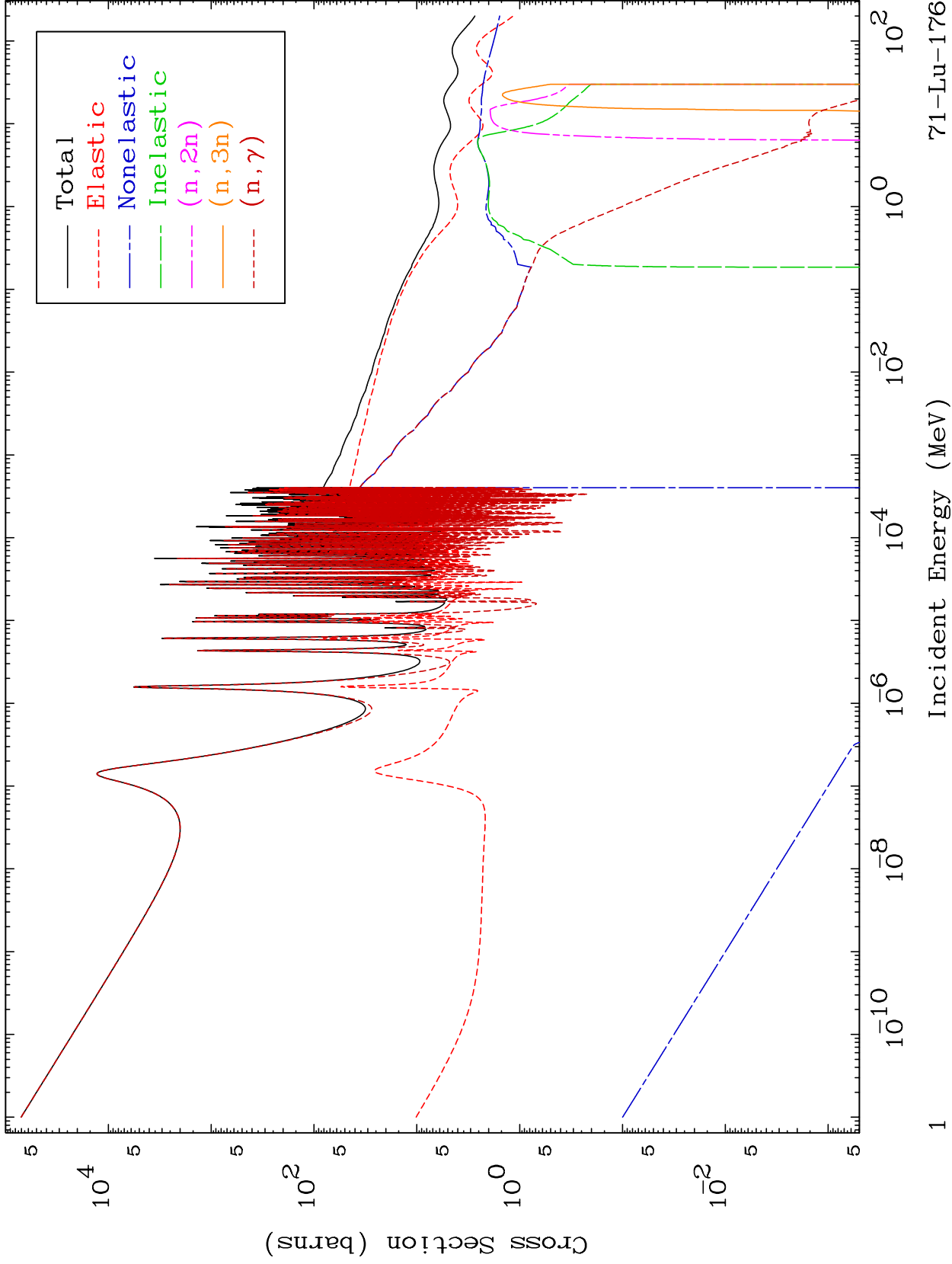
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7128

Neutron Major
293 Kelvin Cross Sections

71-Lu-176



71-Lu-176

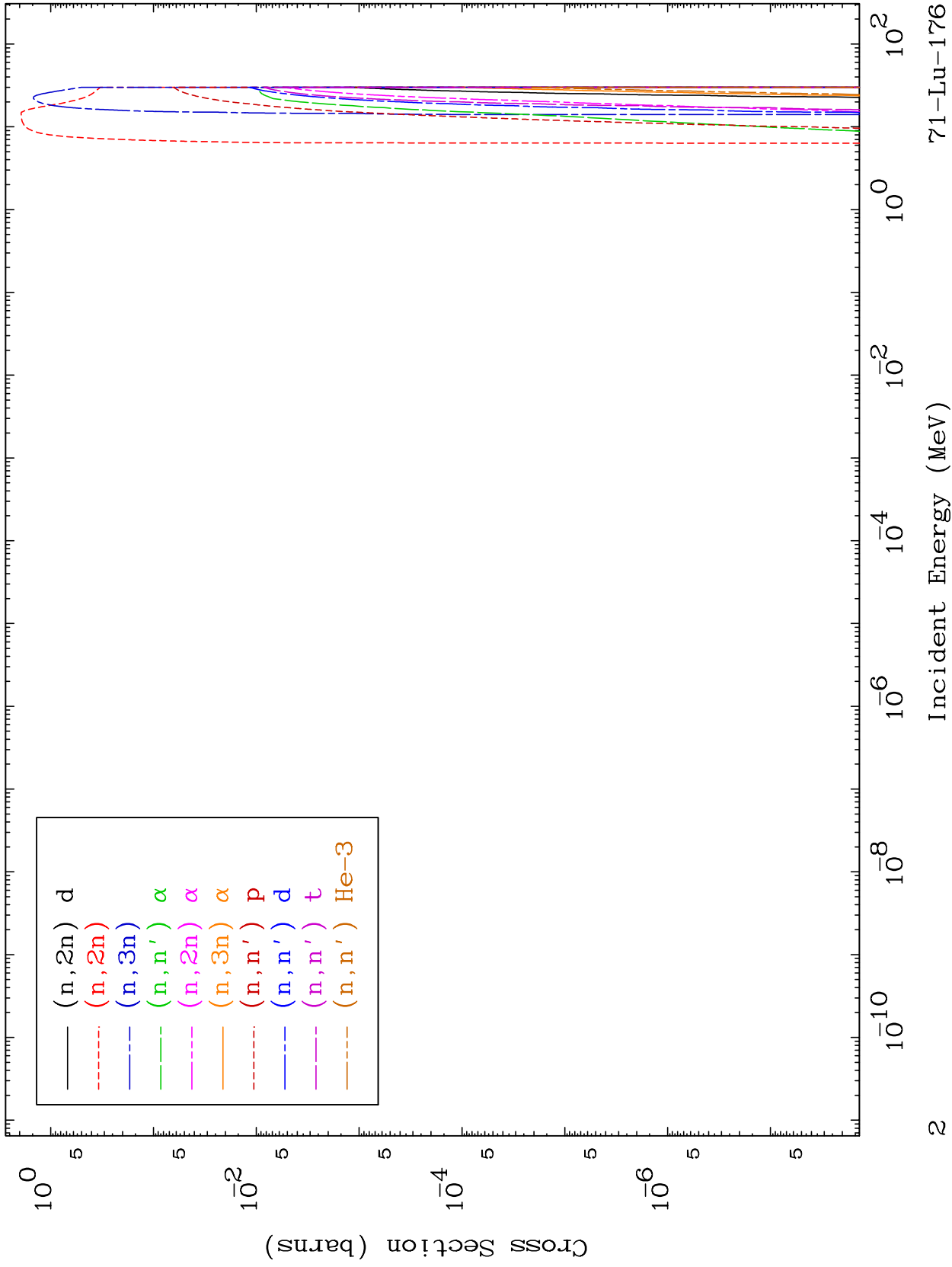
Incident Energy (MeV)

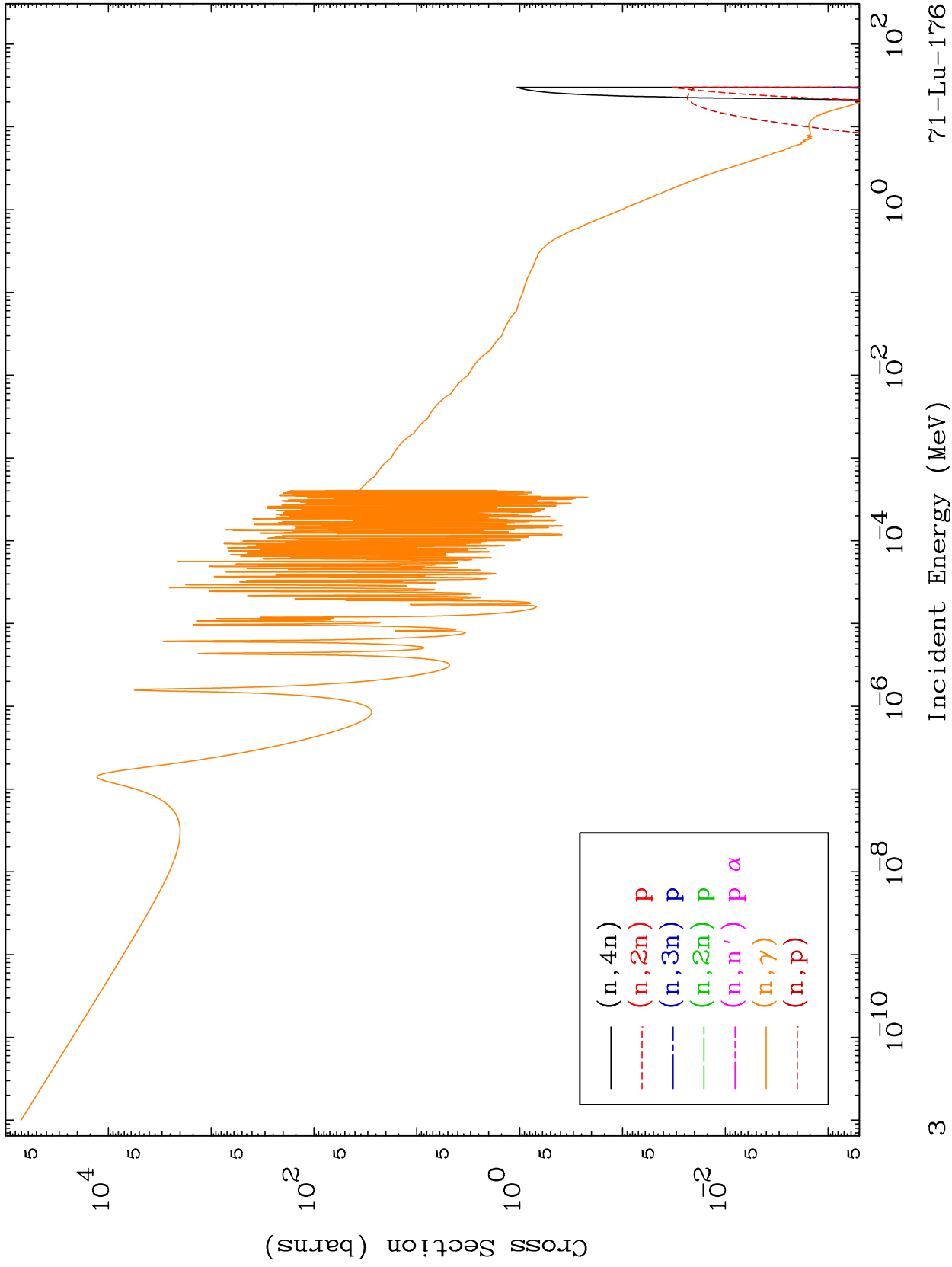
1

MAT 7128

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-176

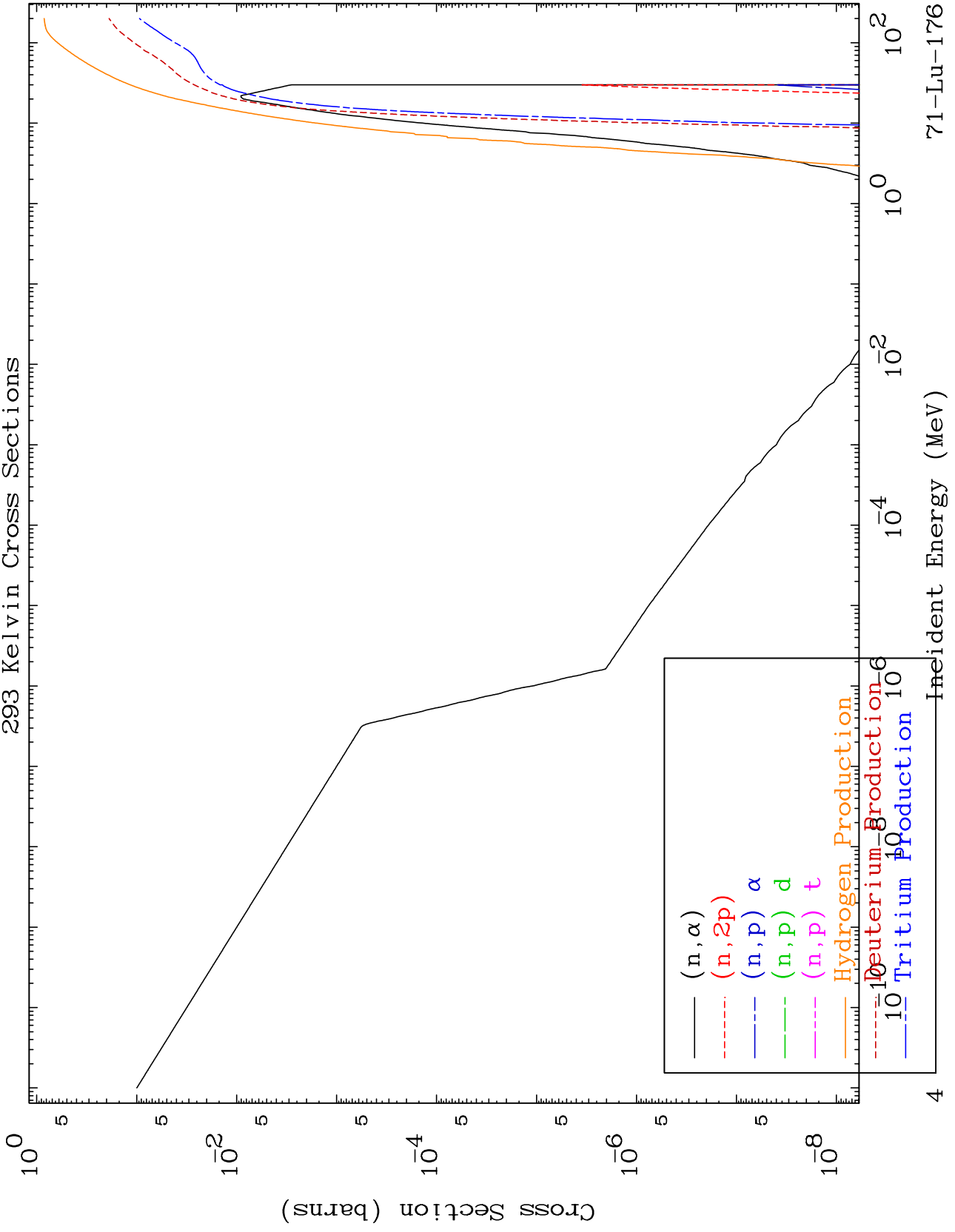


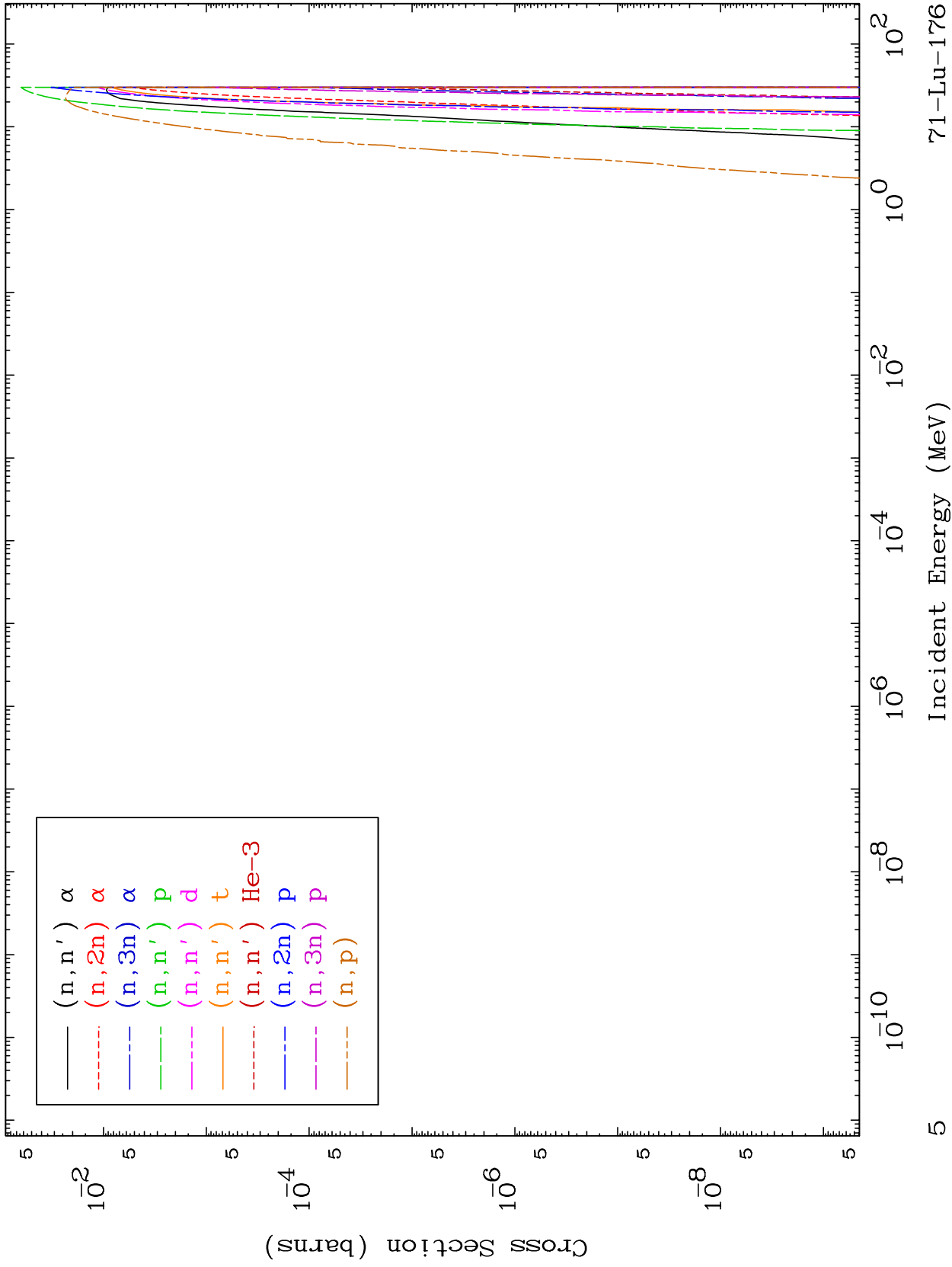


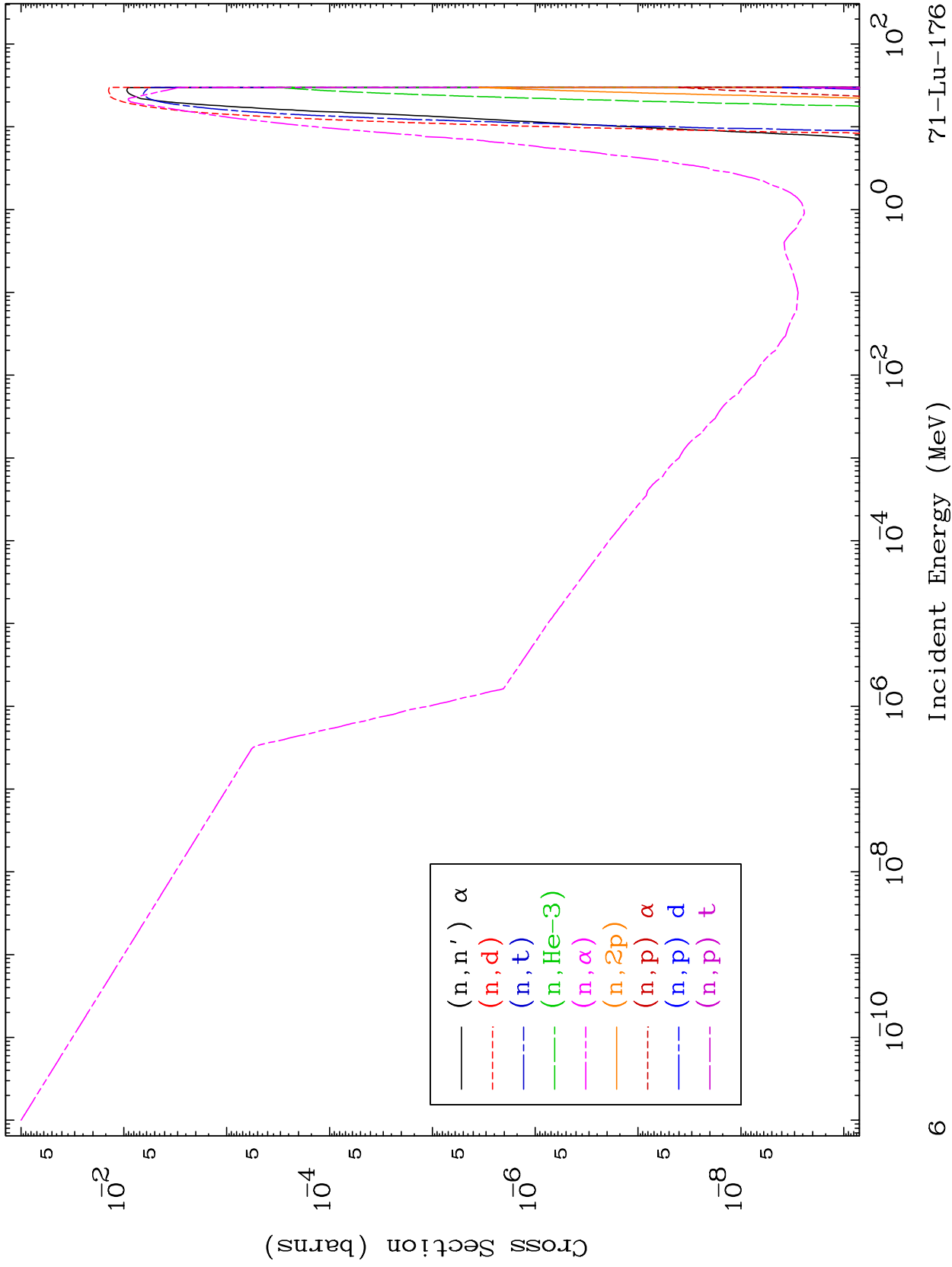
MAT 7128

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-176



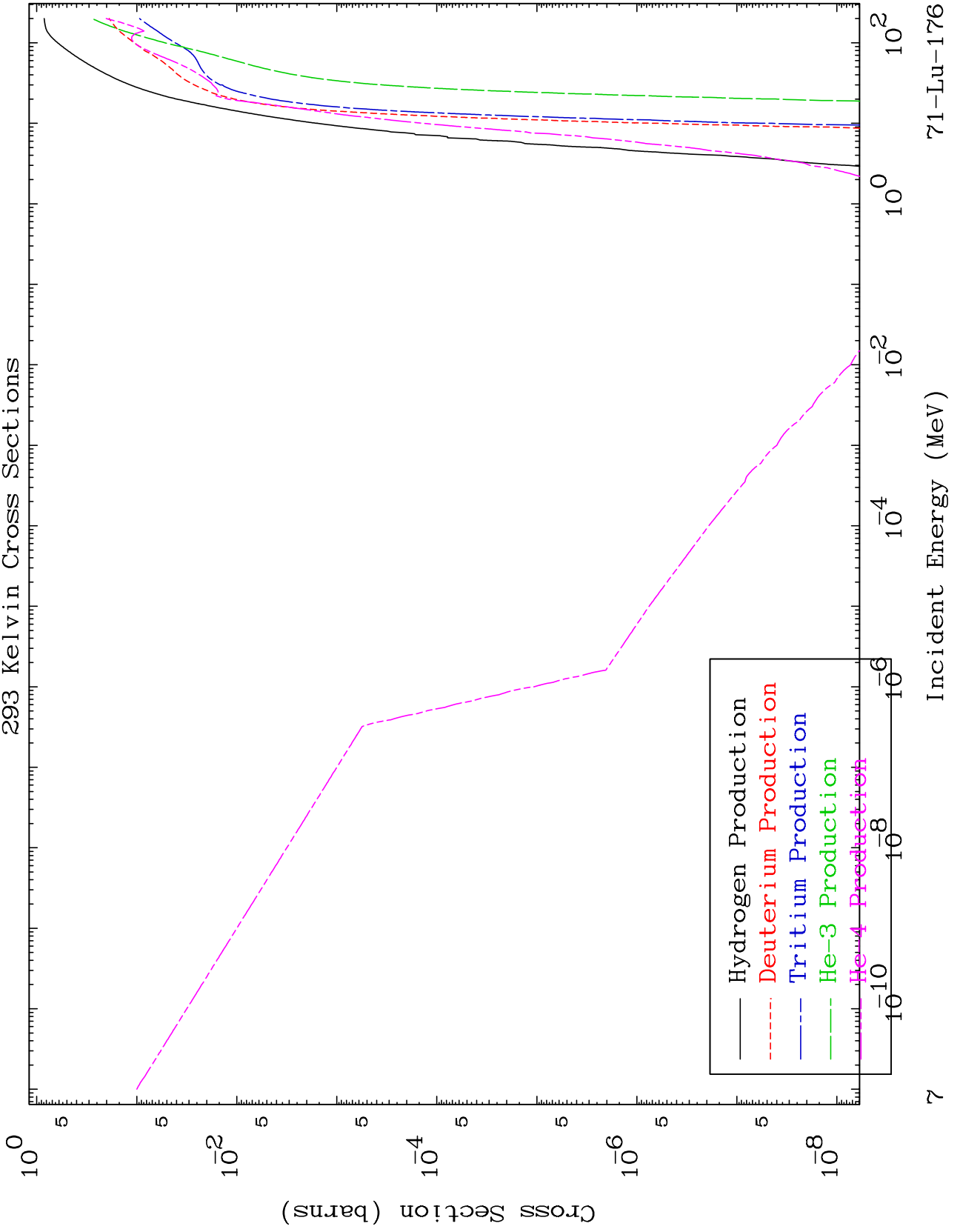




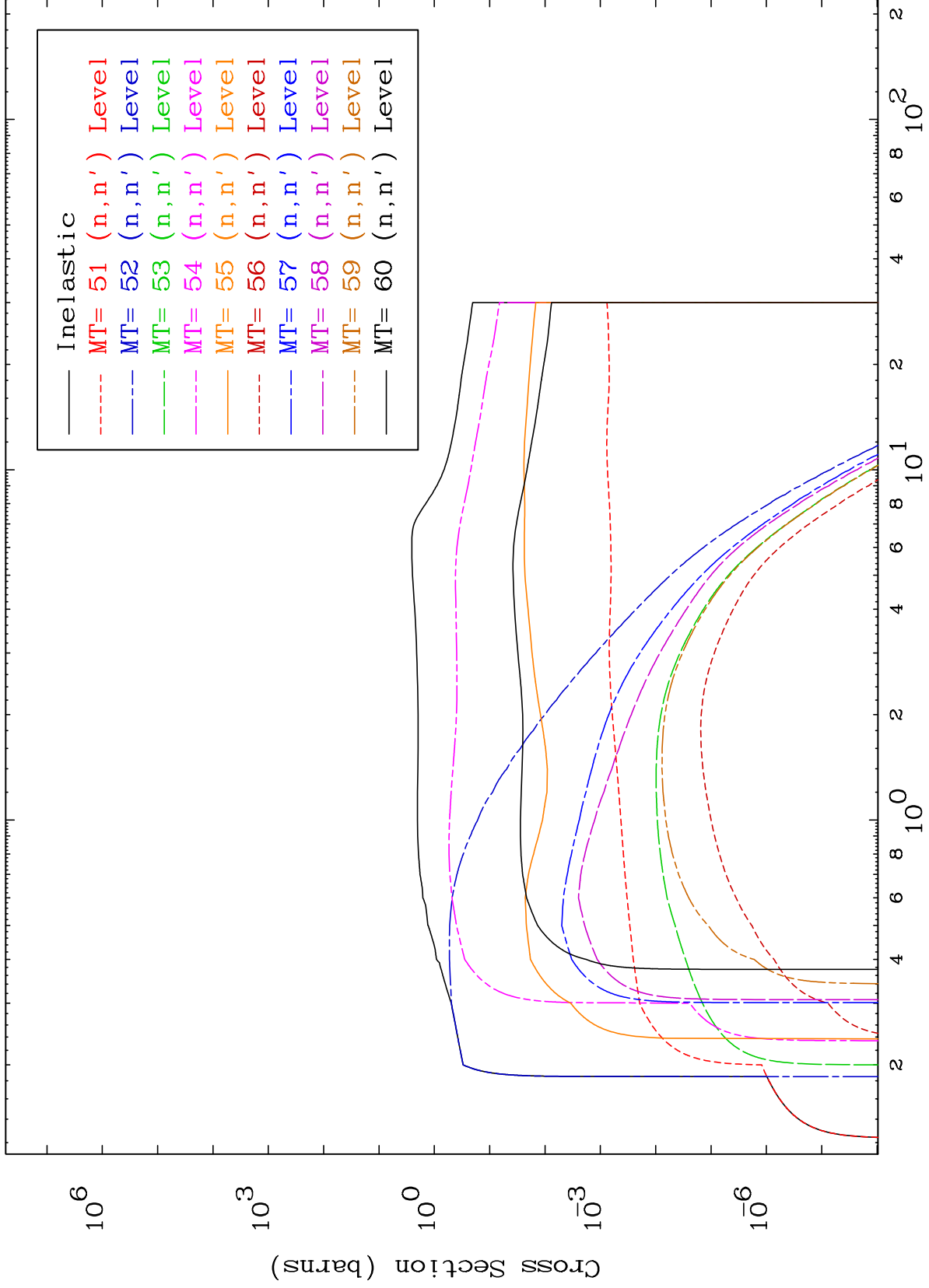
MAT 7128

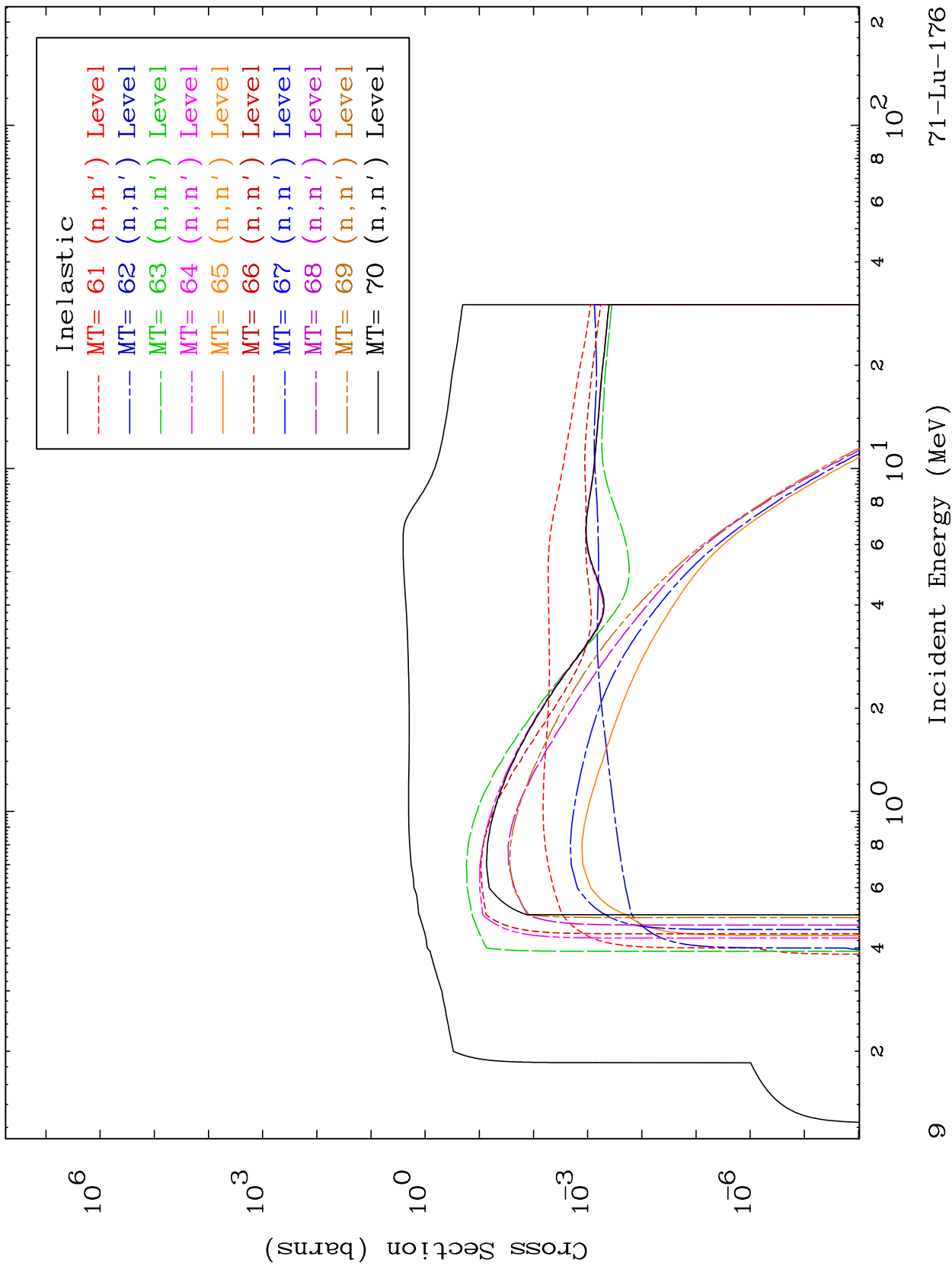
Particle Production
293 Kelvin Cross Sections

71-Lu-176



293 Kelvin Cross Sections



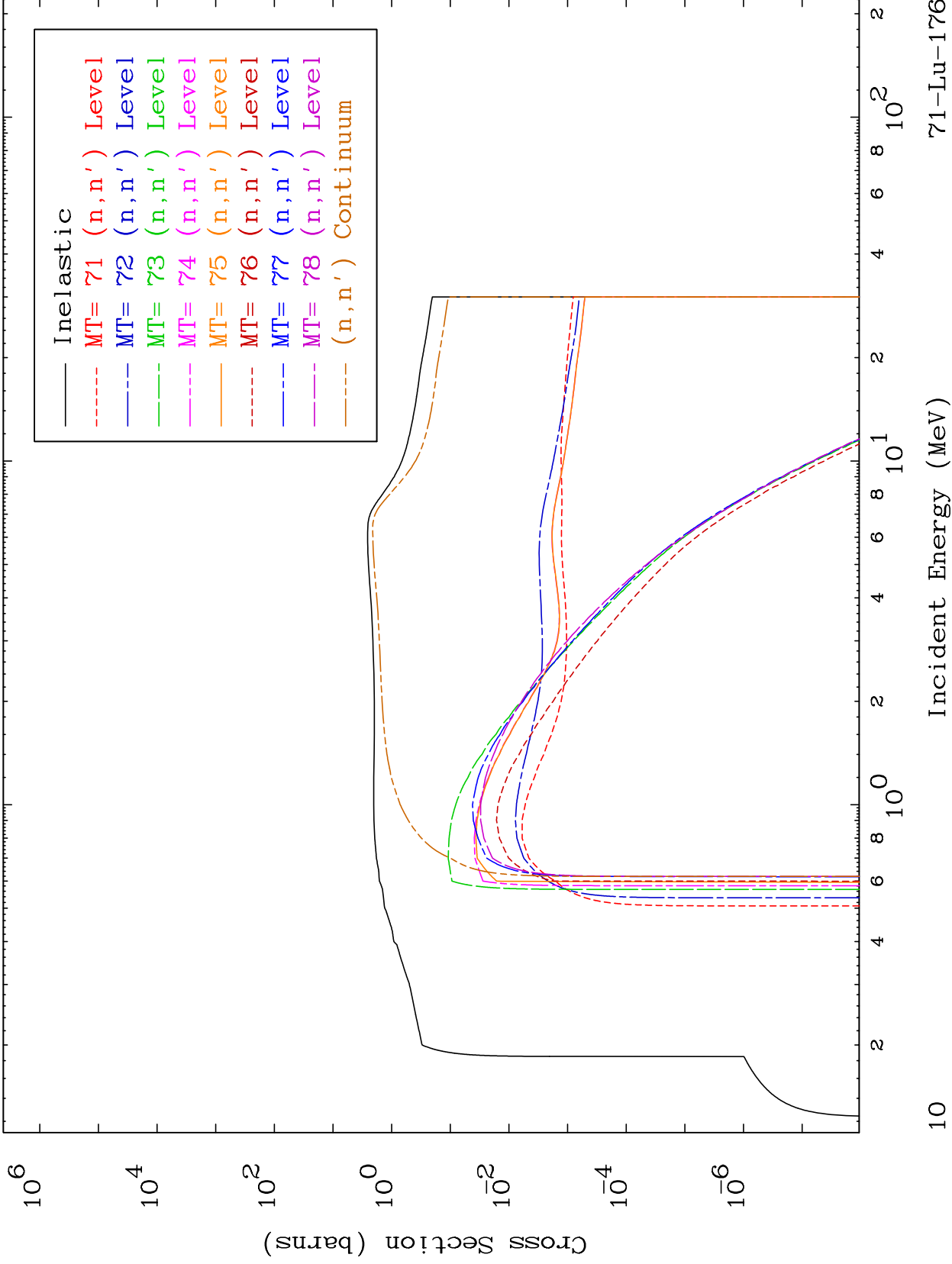


MAT 7128

(n,n') Levels

71-Lu-176

293 Kelvin Cross Sections



10

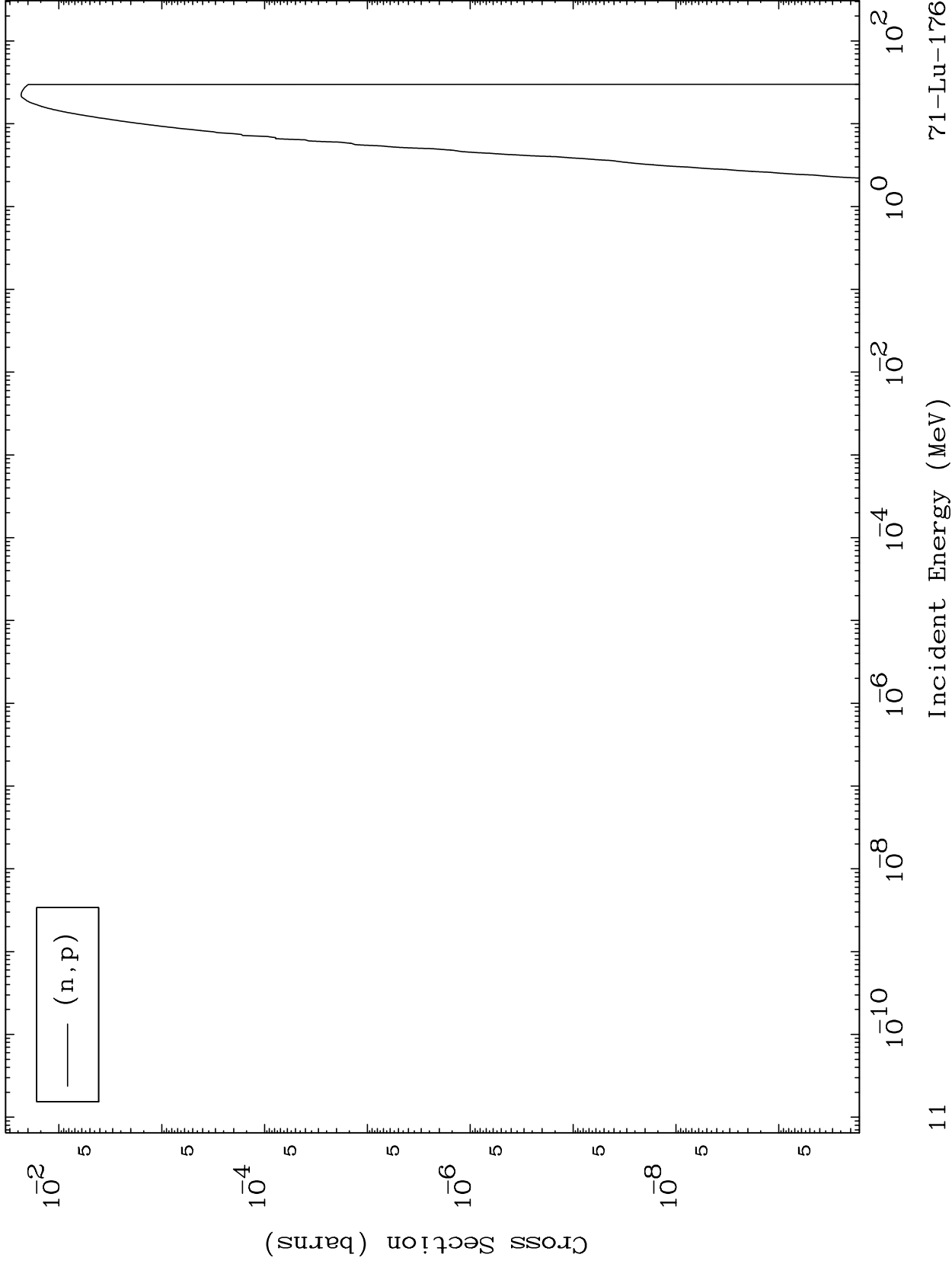
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,p) Levels
293 Kelvin Cross Sections

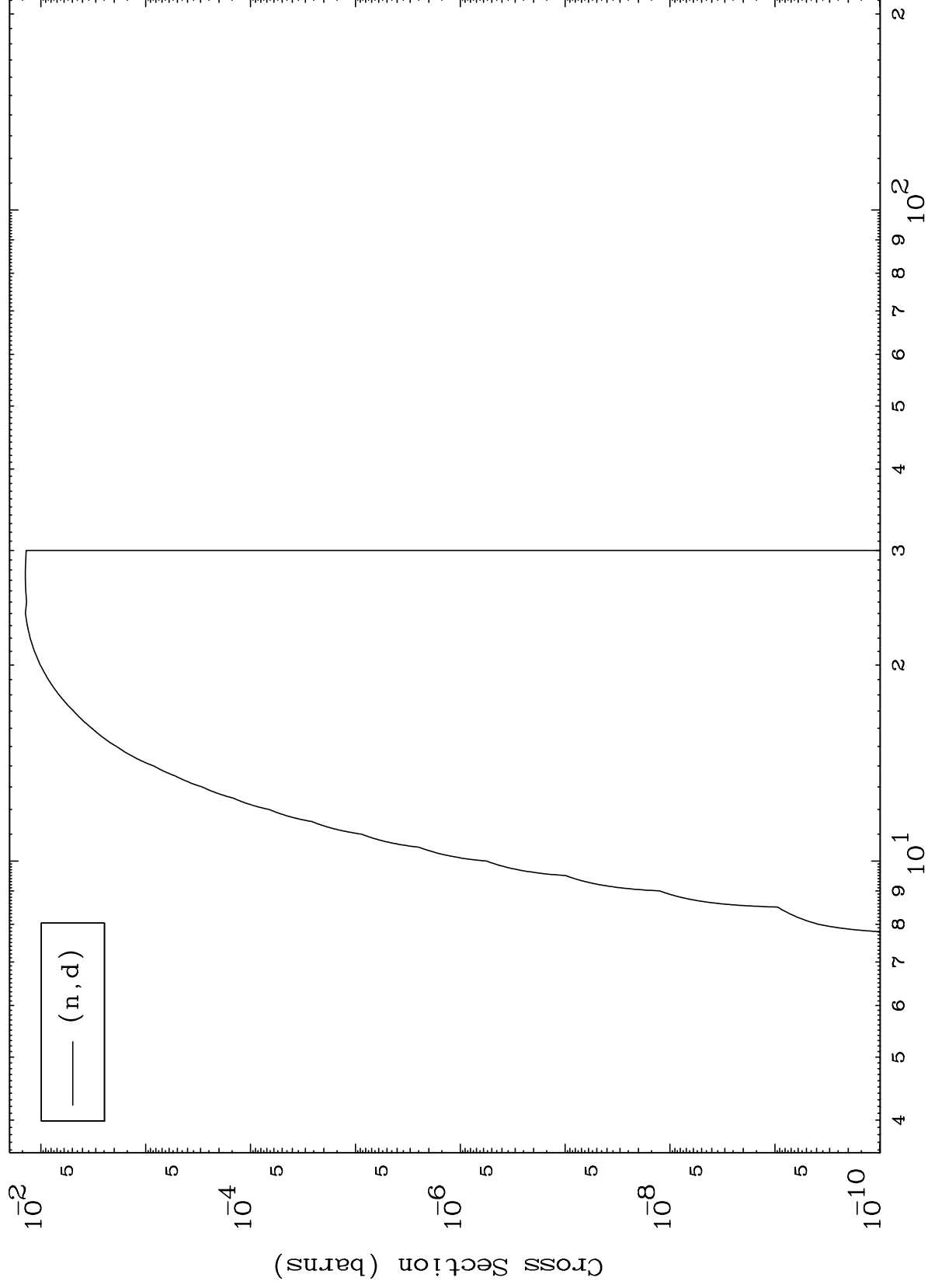
71-Lu-176



MAT 7128

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-176



12

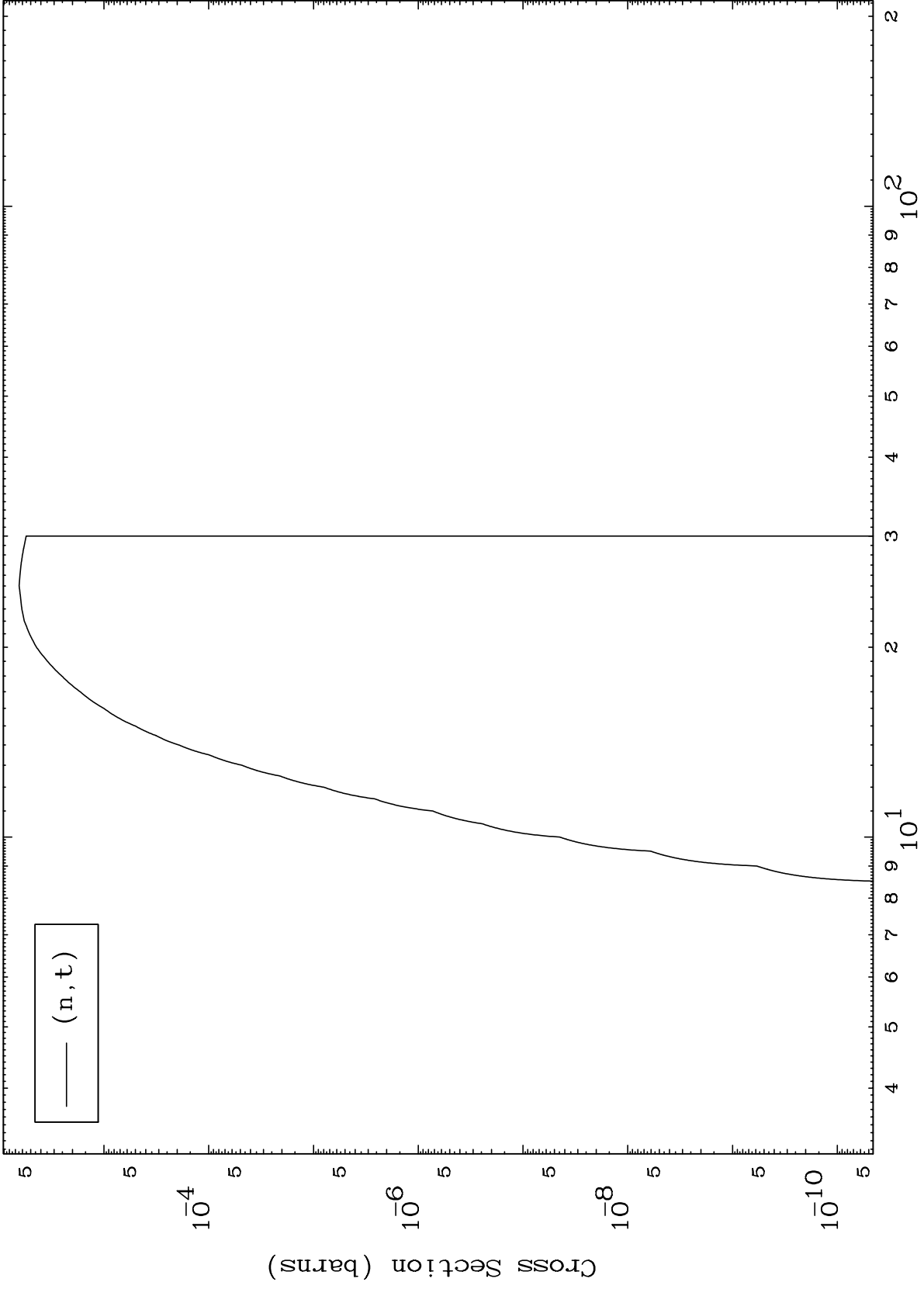
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-176



13

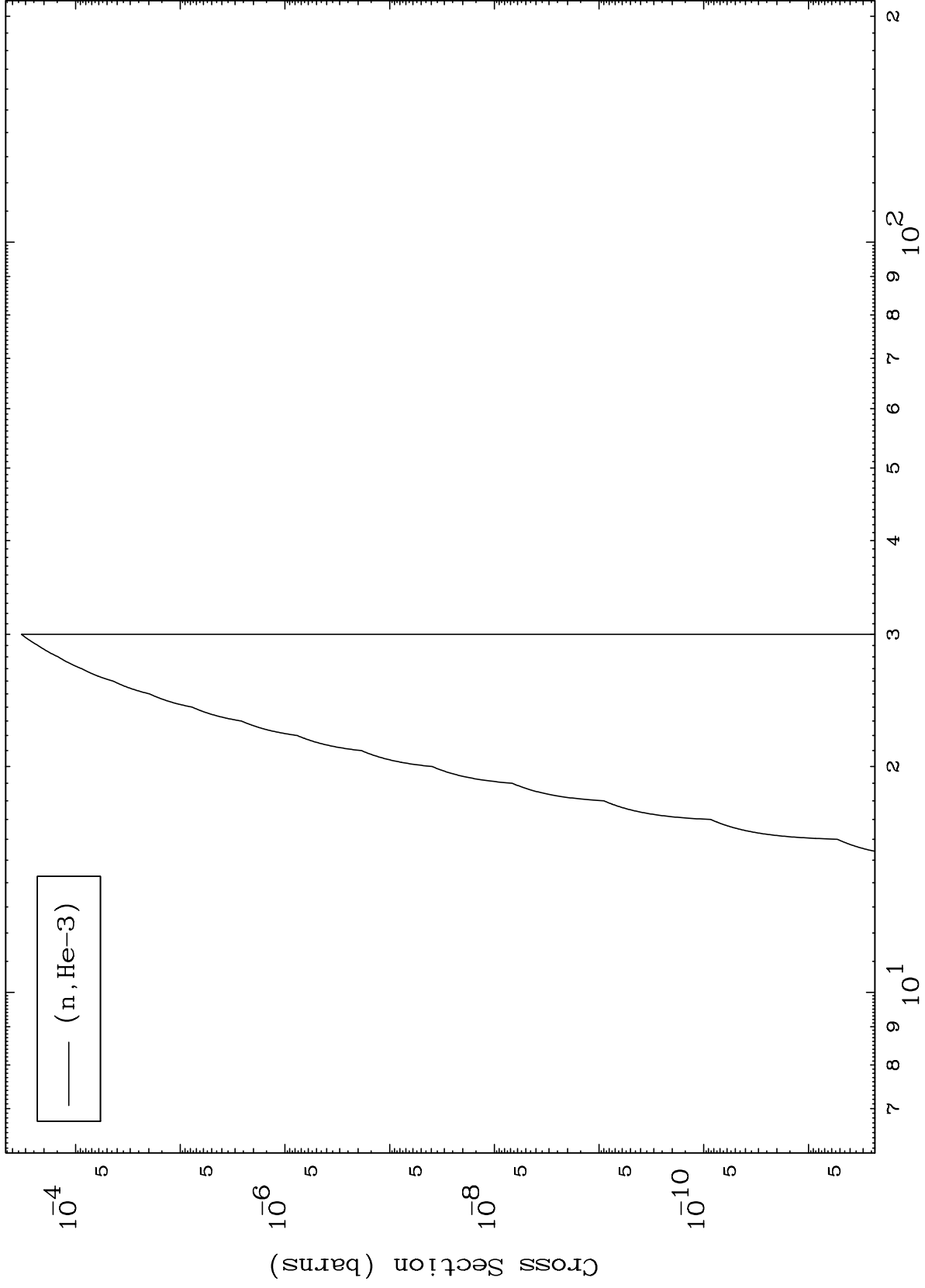
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-176



14

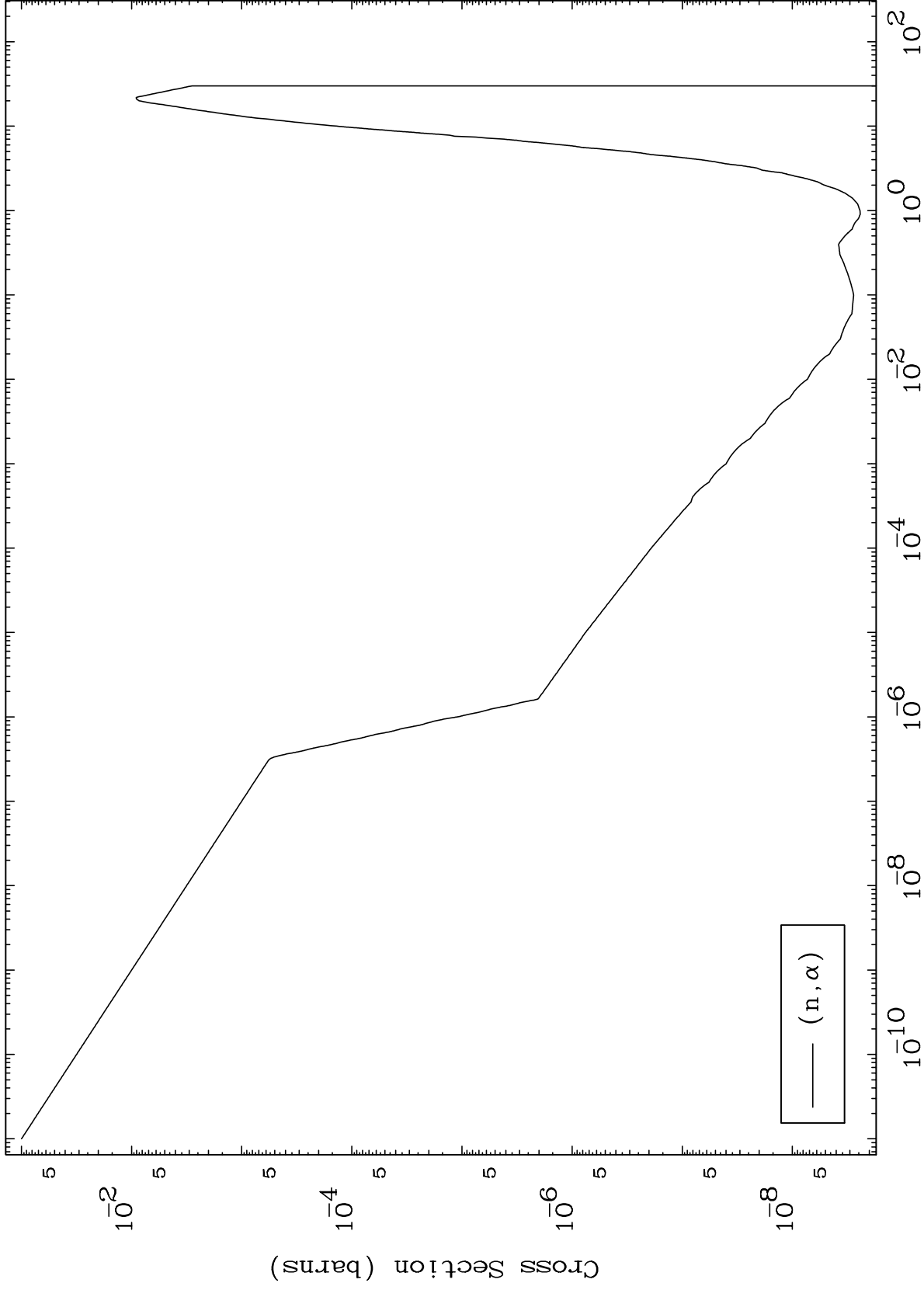
Incident Energy (MeV)

71-Lu-176

MAT 7128

(n,α) Levels
293 Kelvin Cross Sections

71-Lu-176



15

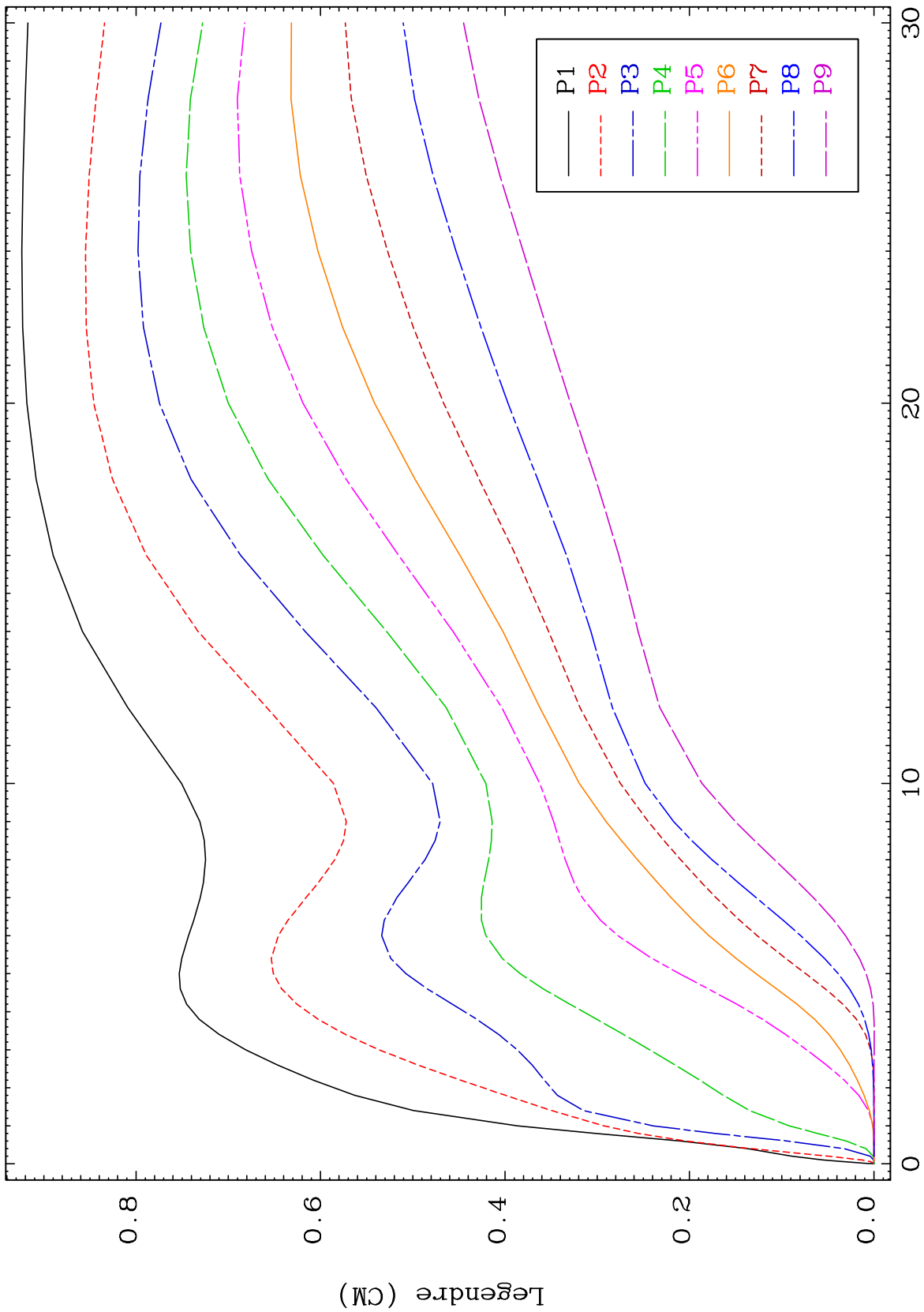
Incident Energy (MeV)

71-Lu-176

MAT 7128

71-Lu-176

Elastic Legendre Coefficients



16

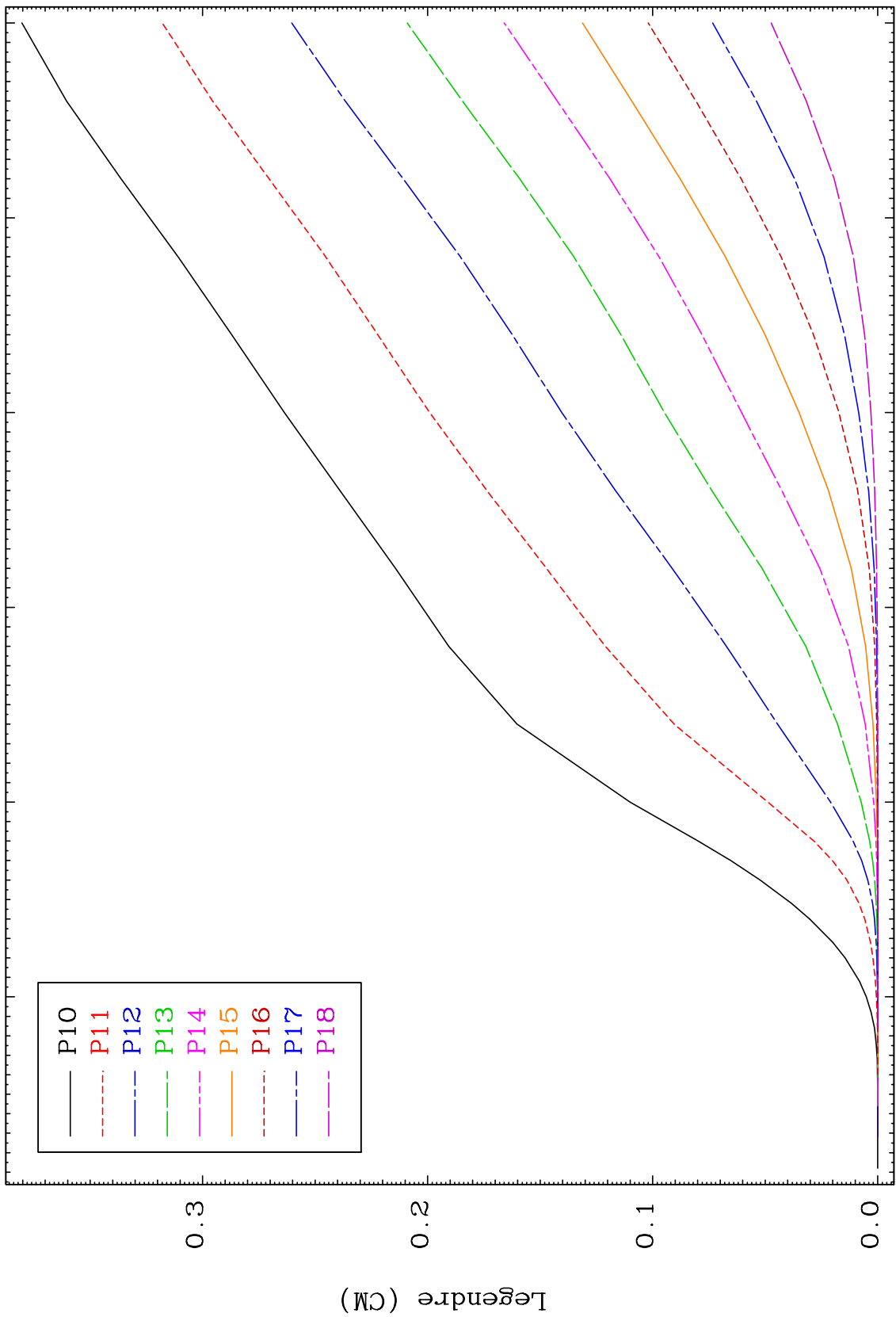
Incident Energy (MeV)

71-Lu-176

MAT 7128

Elastic Legendre Coefficients

⁷¹Lu-176



17

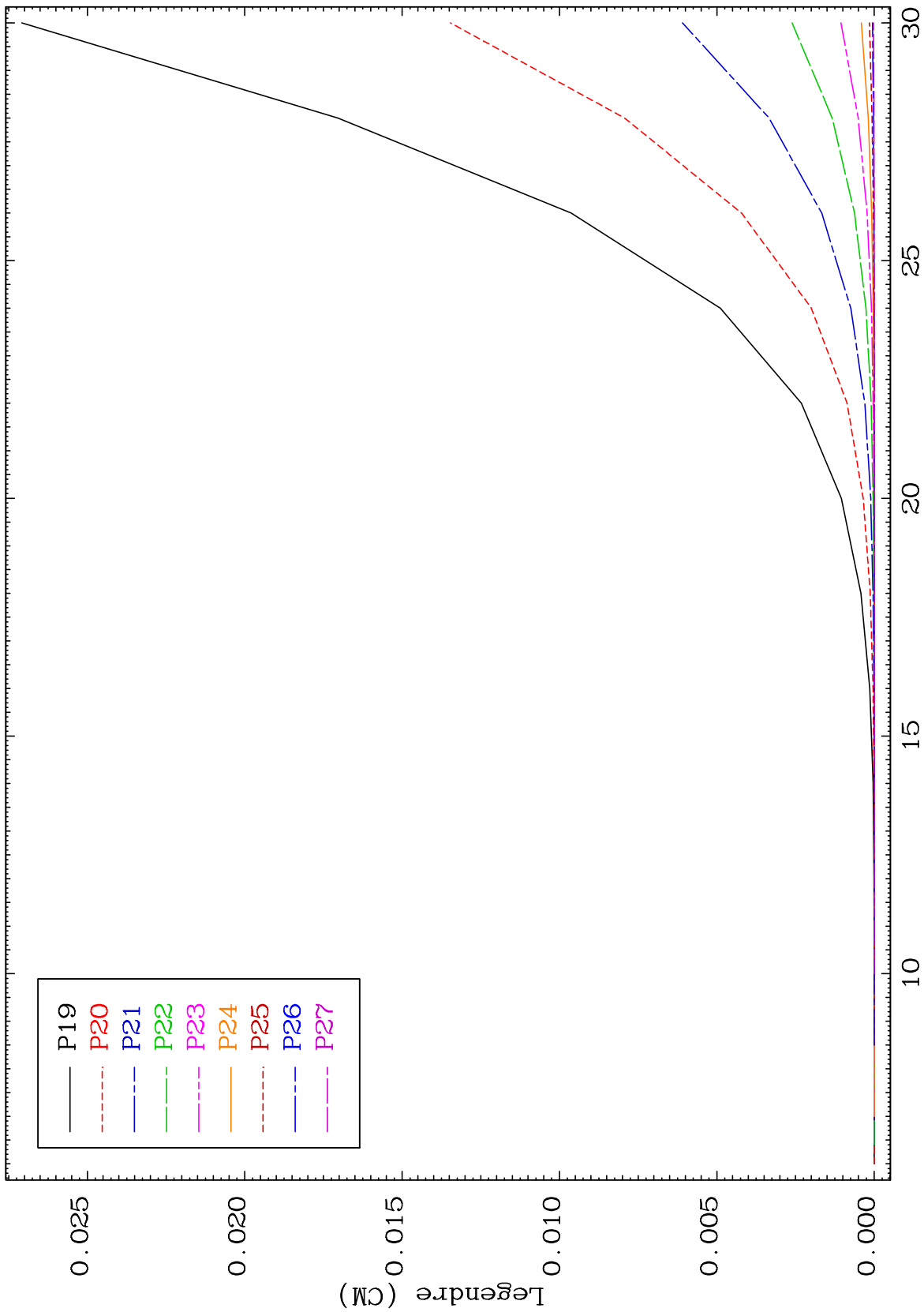
Incident Energy (MeV)

⁷¹Lu-176

MAT 7128

Elastic Legendre Coefficients

71-Lu-176



18

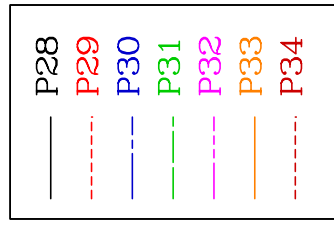
Incident Energy (MeV)

71-Lu-176

MAT 7128

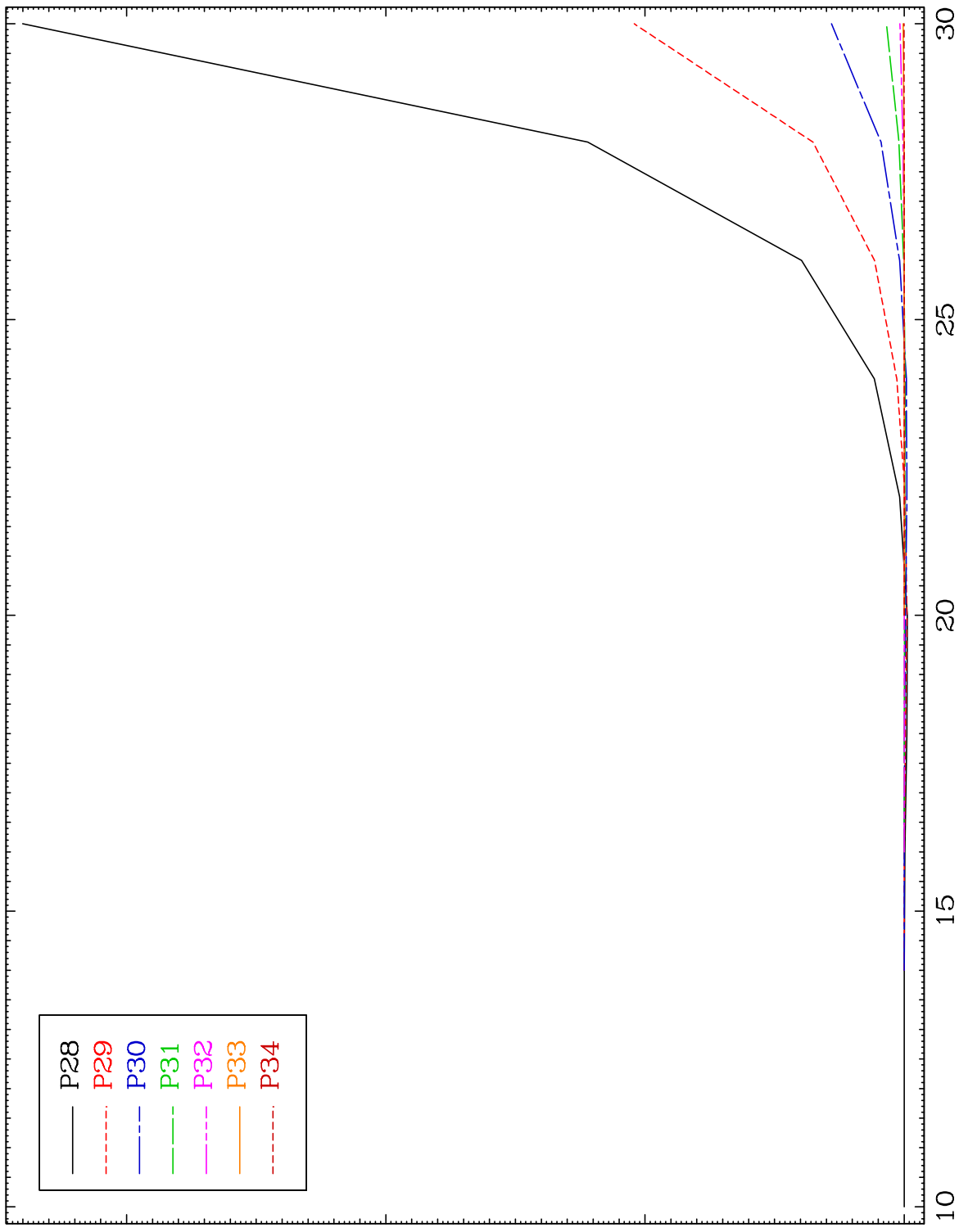
Elastic Legendre Coefficients

71-Lu-176



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

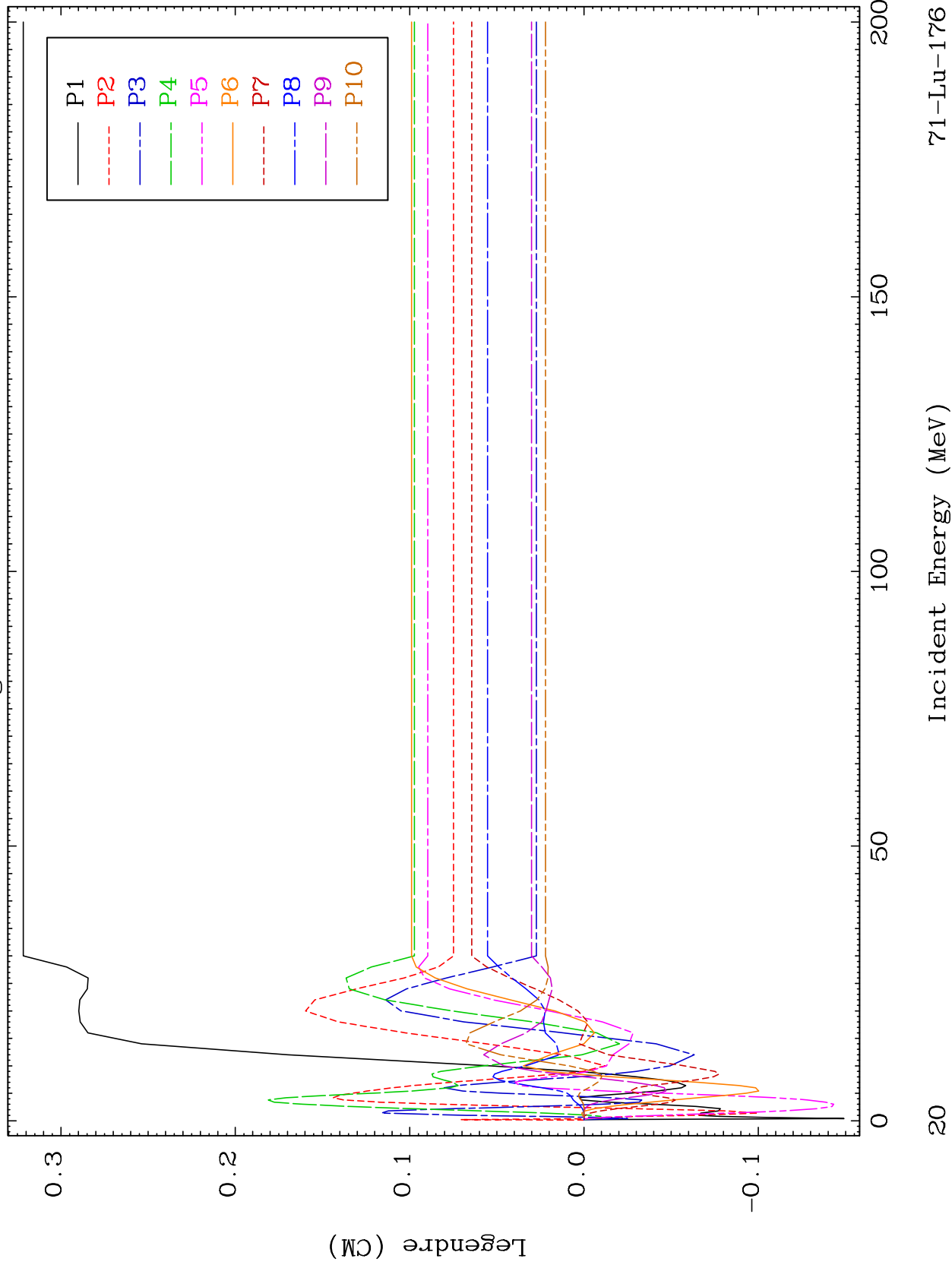
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

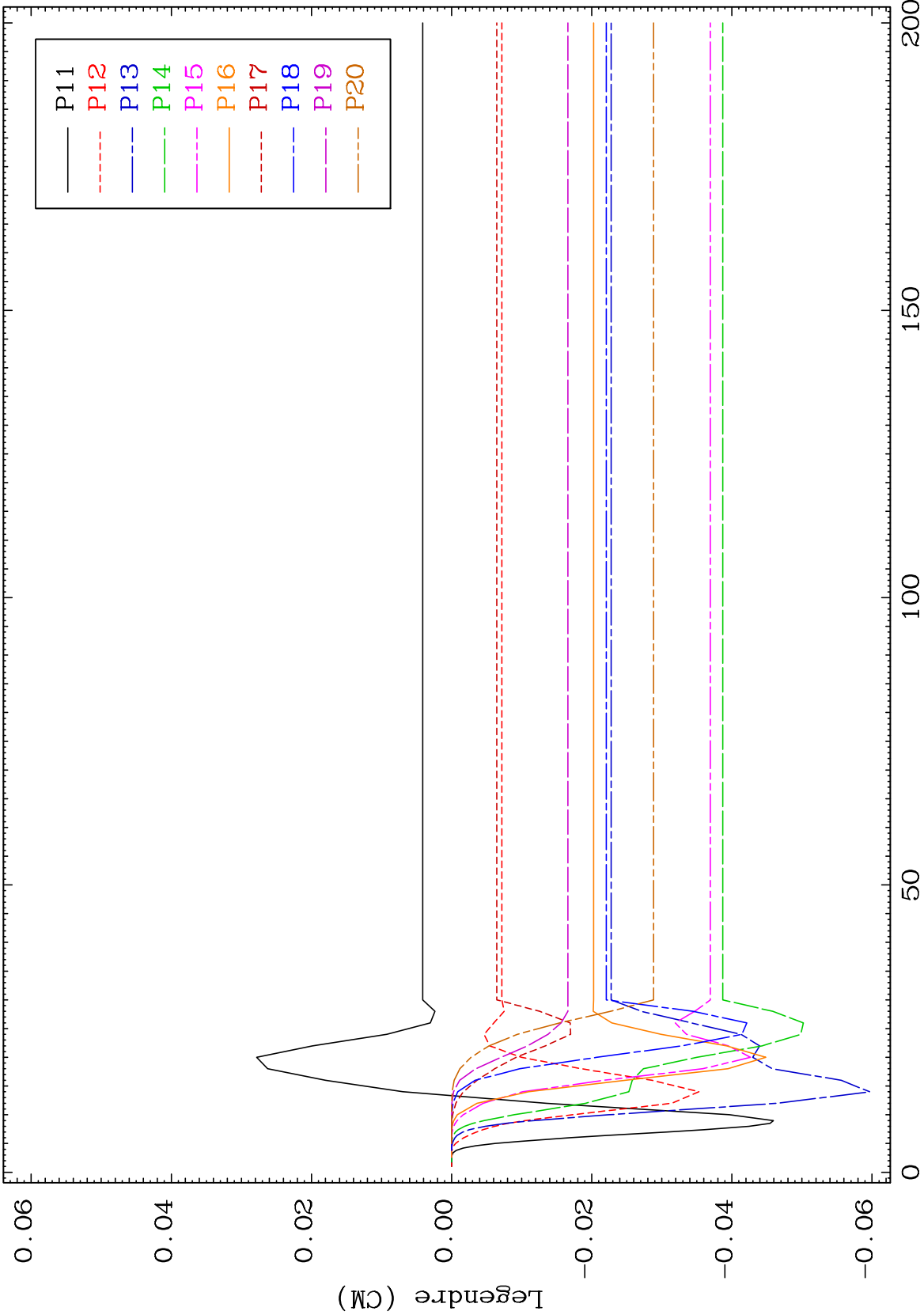
Incident Energy (MeV)

0

MAT 7128

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

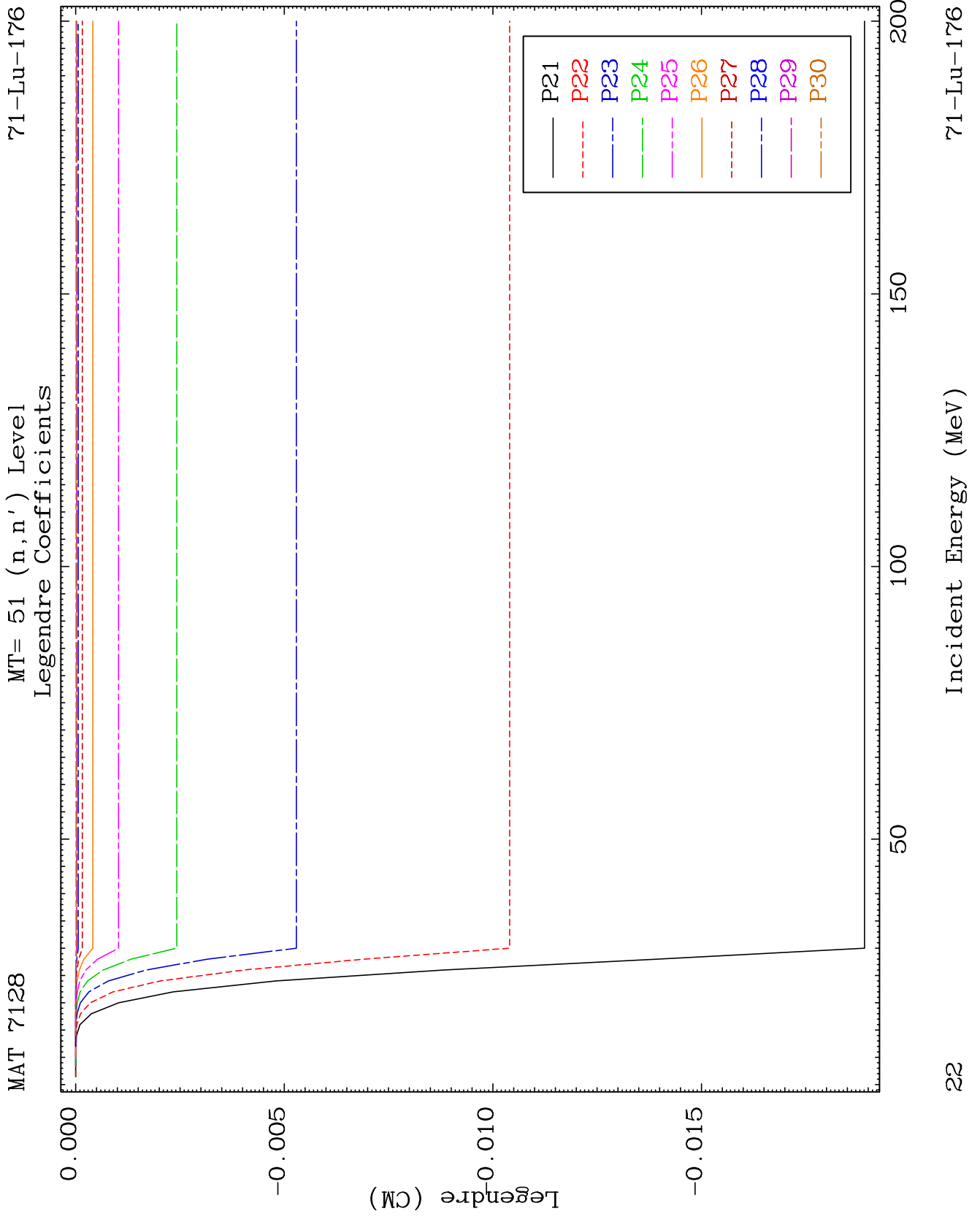
71-Lu-176

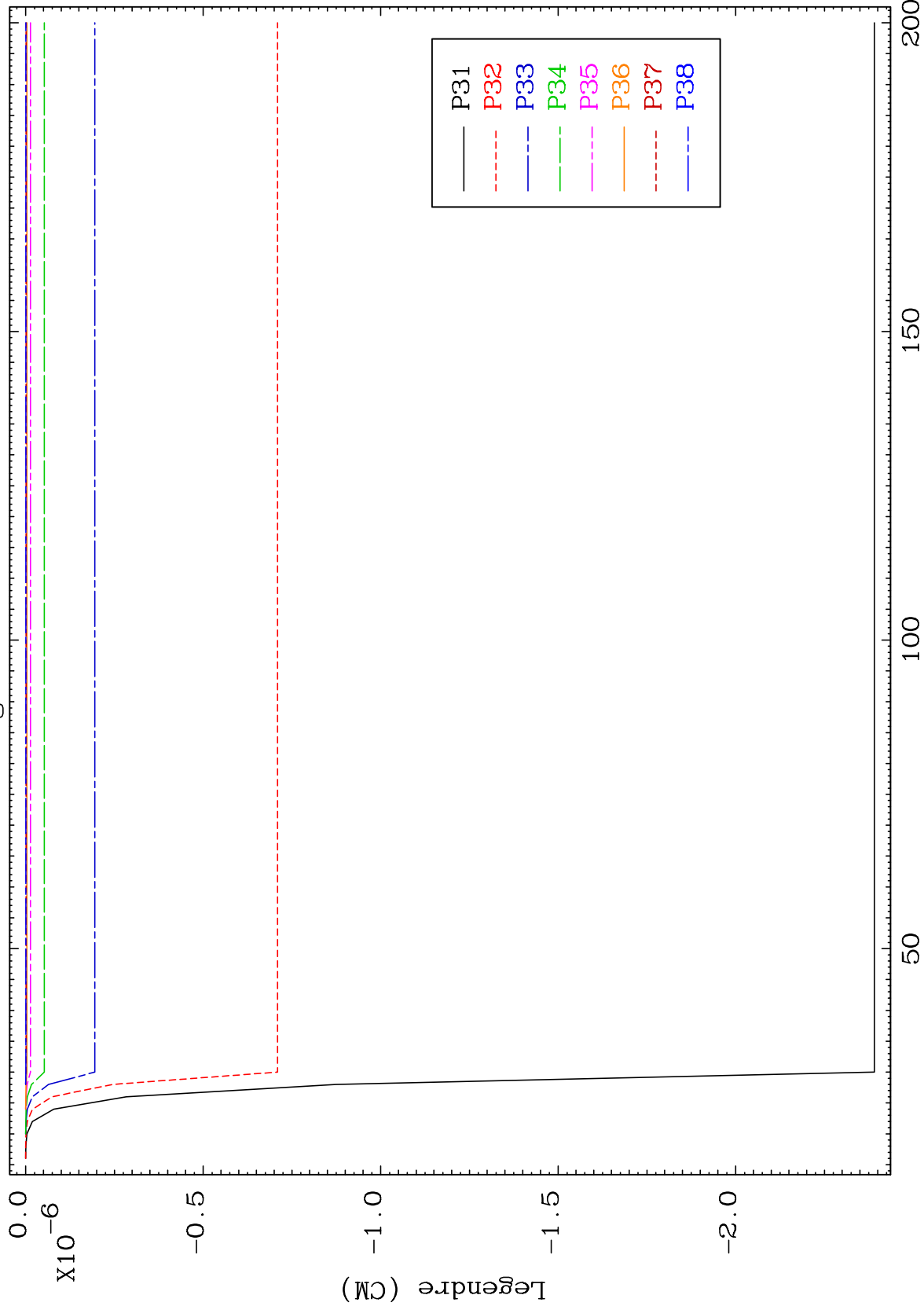


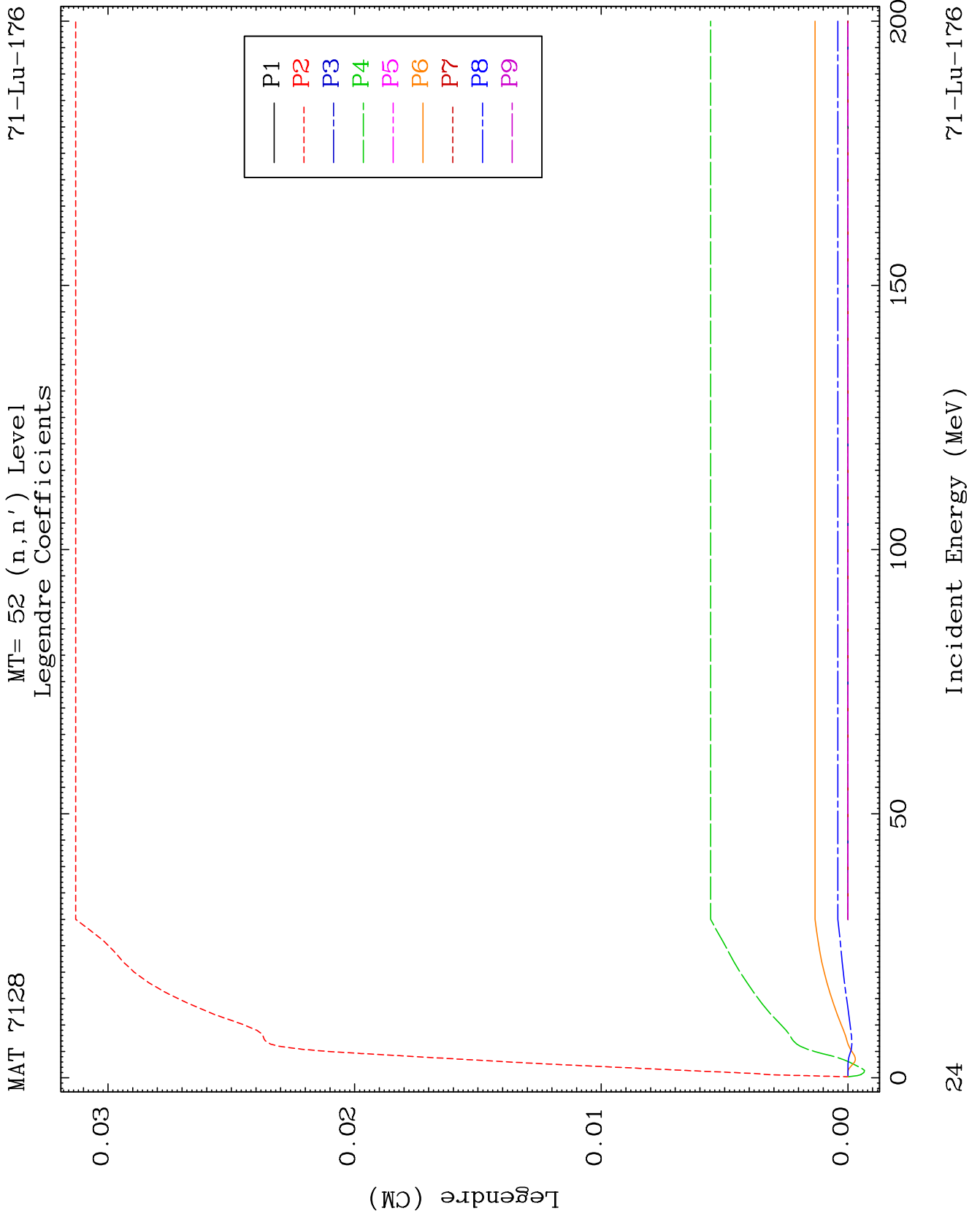
21

Incident Energy (MeV)

71-Lu-176



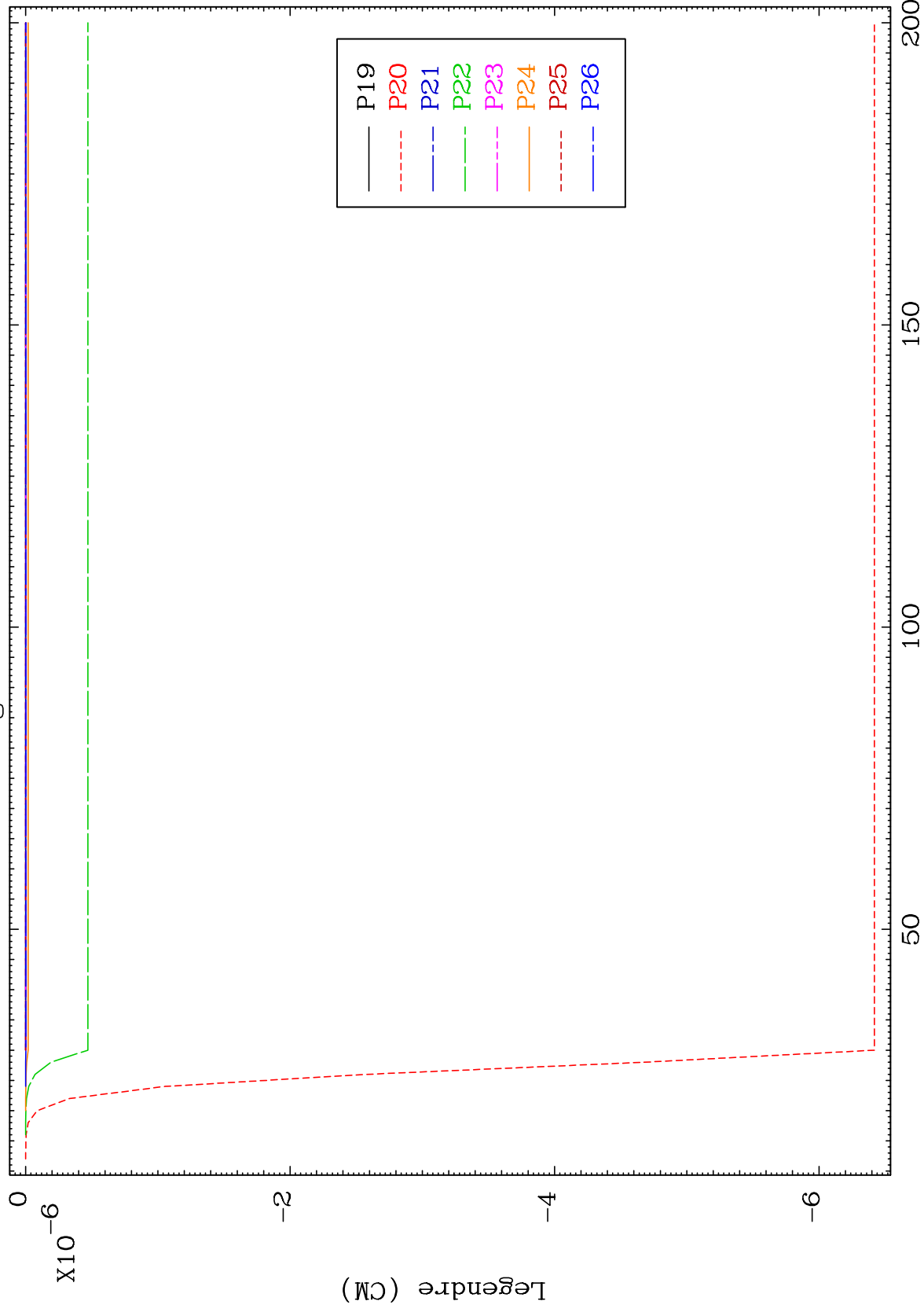




MAT 7128

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

71-Lu-176



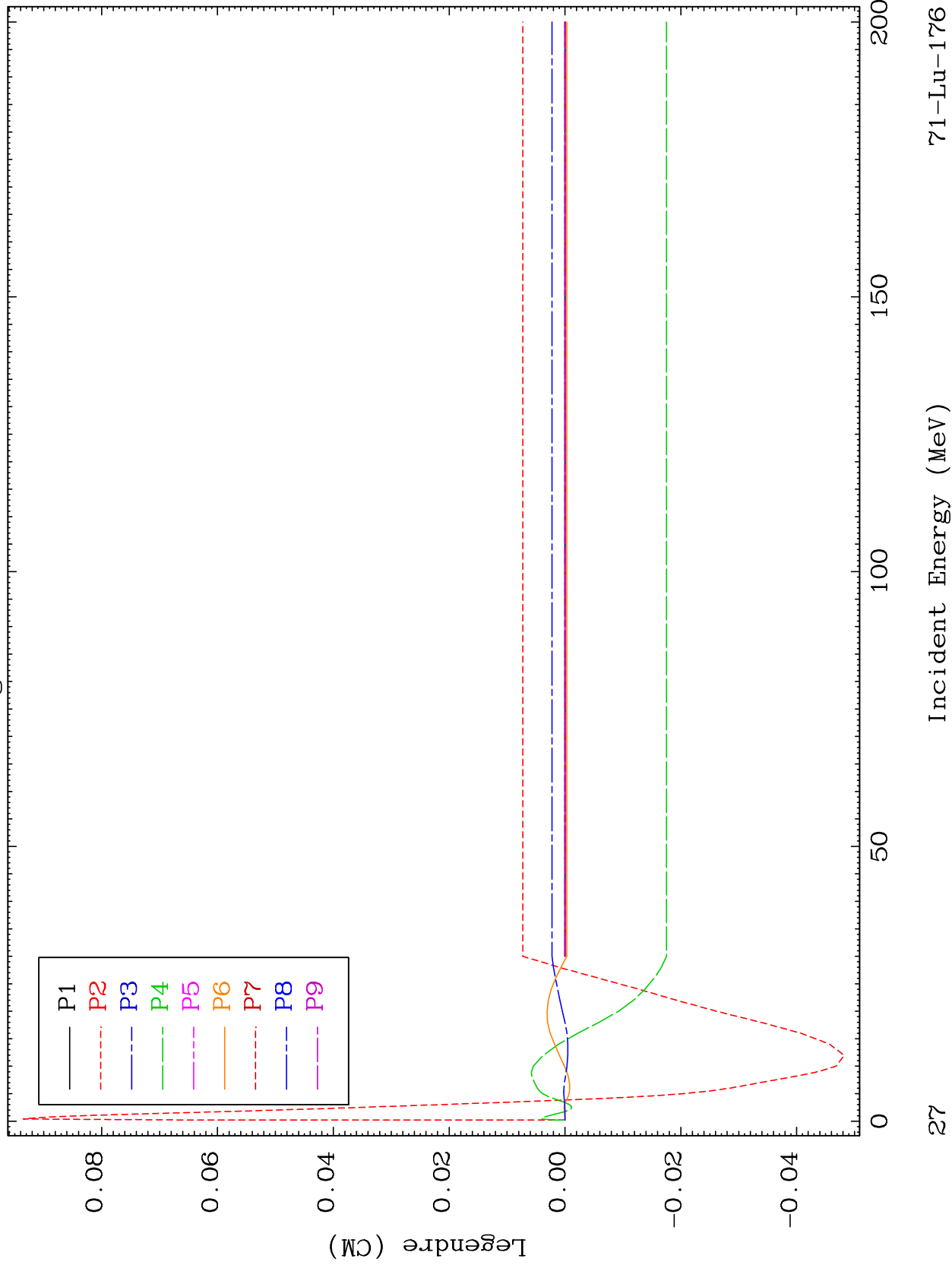
26

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

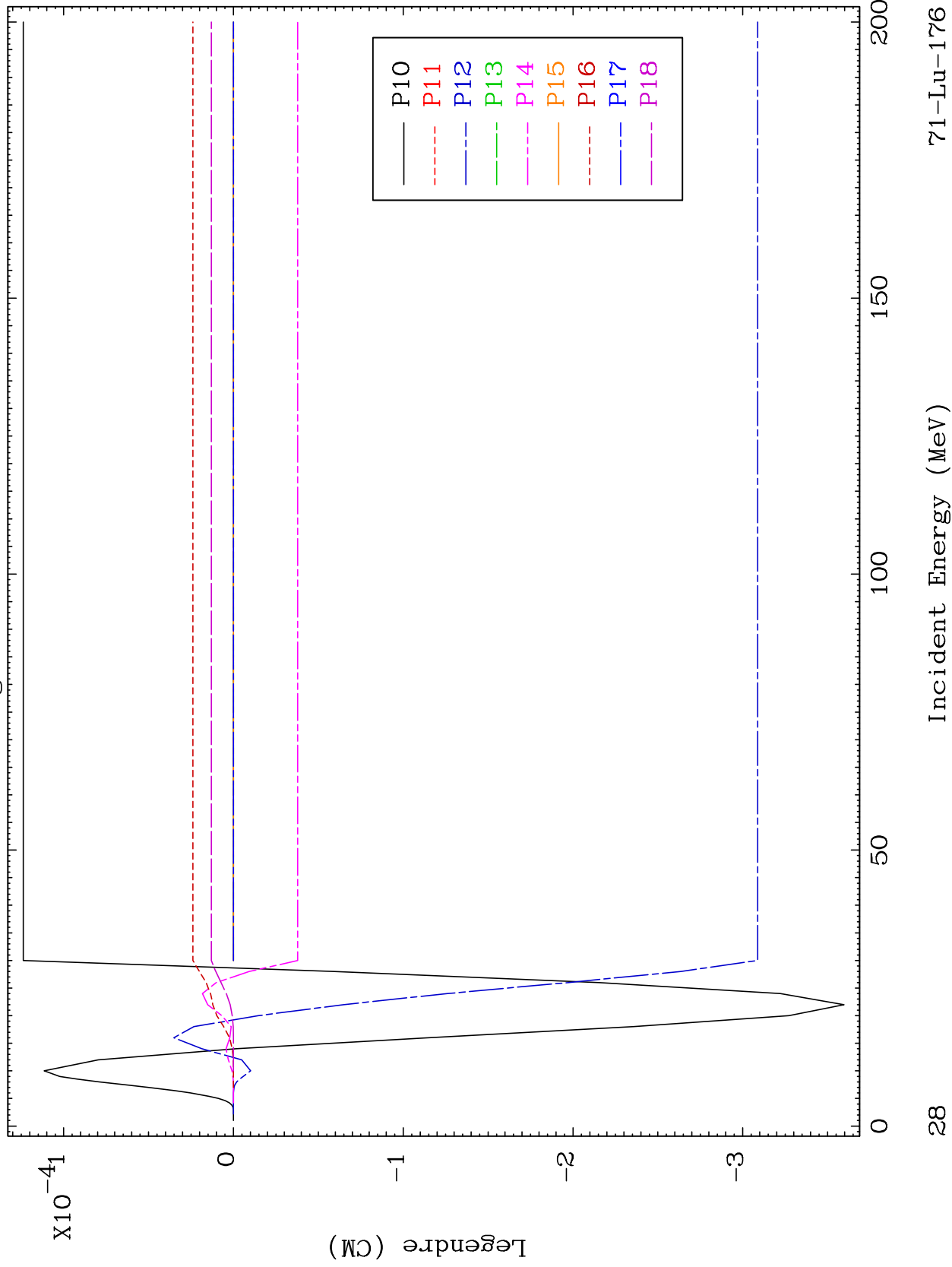
Incident Energy (MeV)

27

MAT 7128

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

71-Lu-176



71-Lu-176

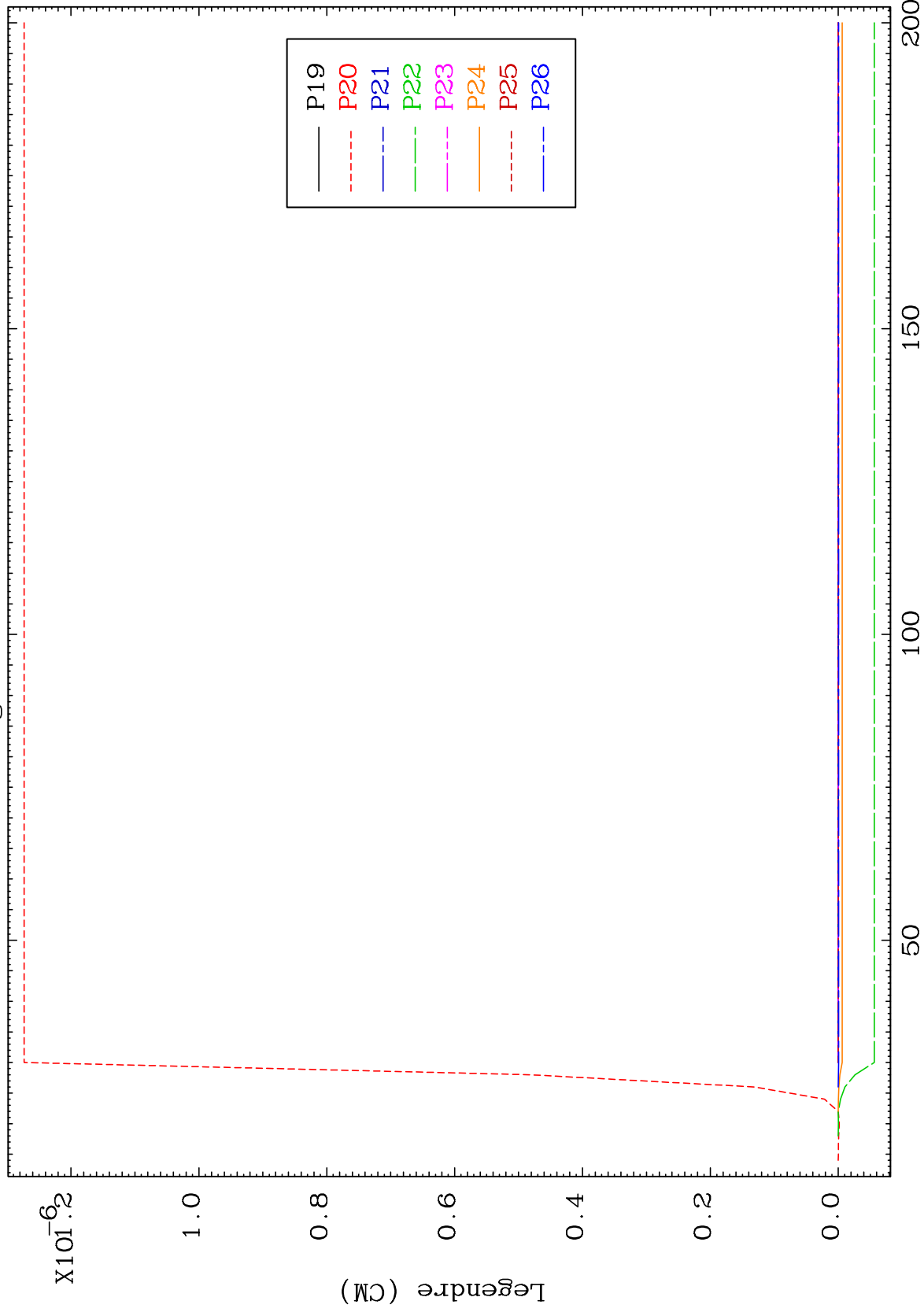
Incident Energy (MeV)

28

MAT 7128

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

71-Lu-176



29

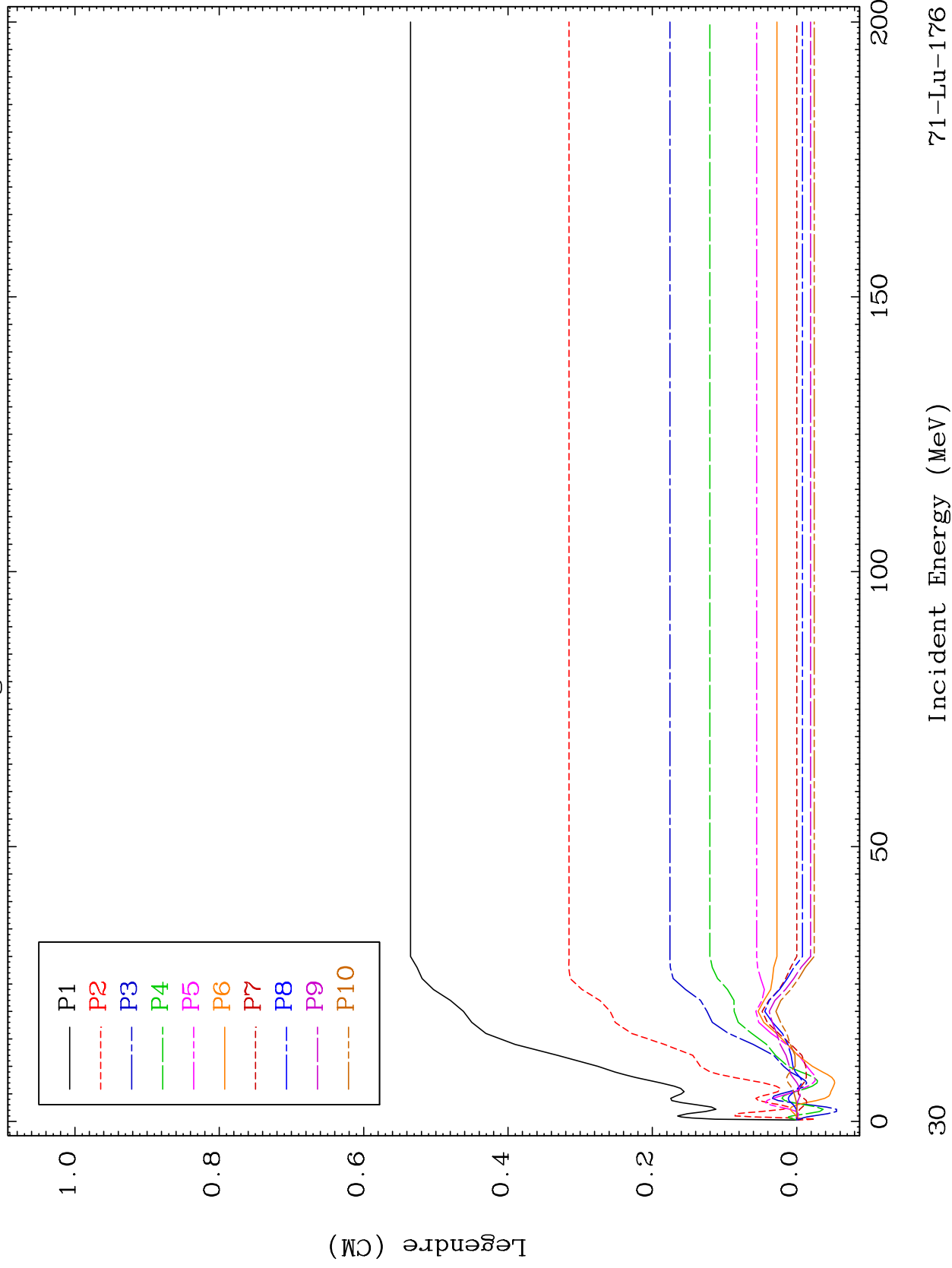
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

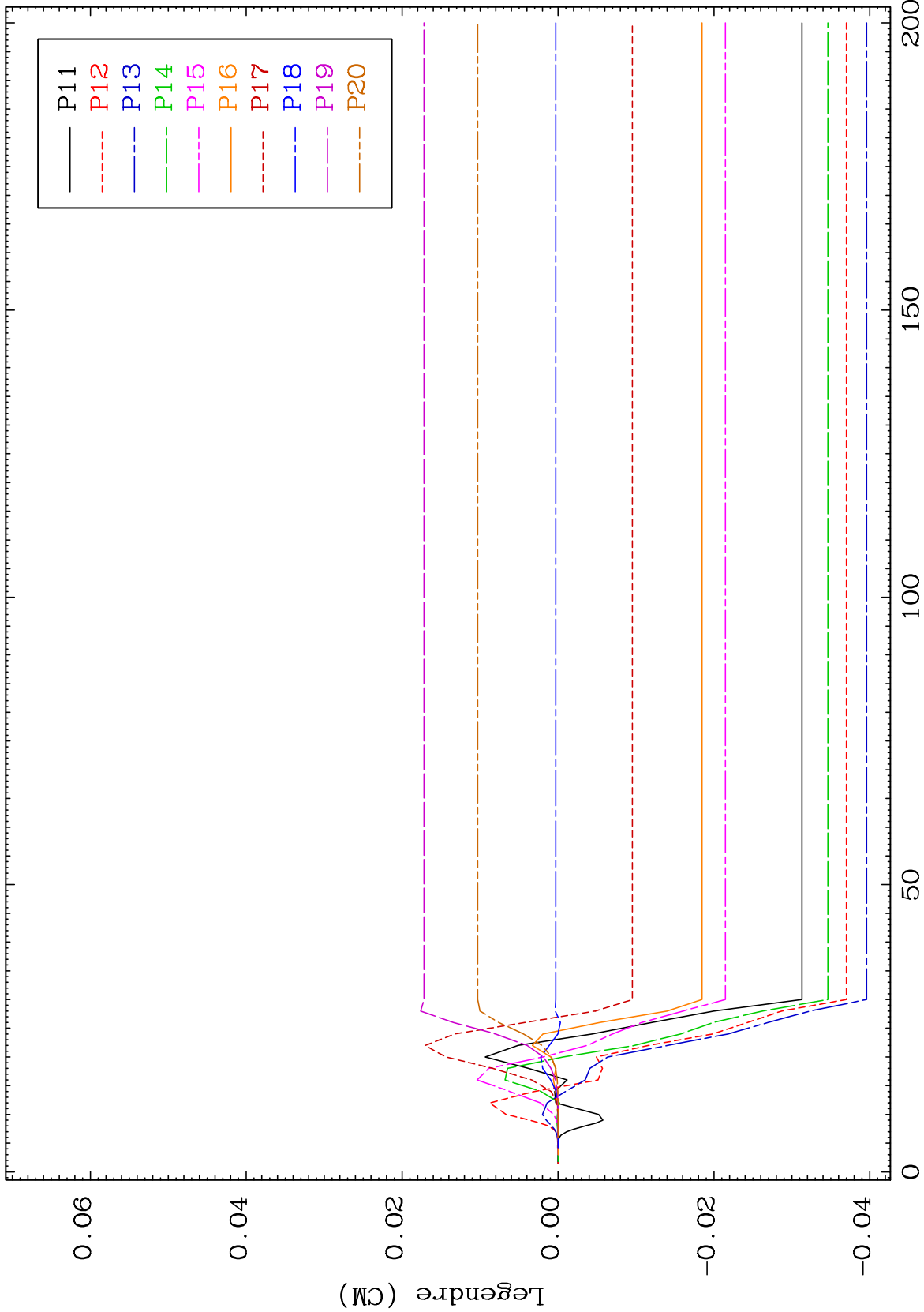
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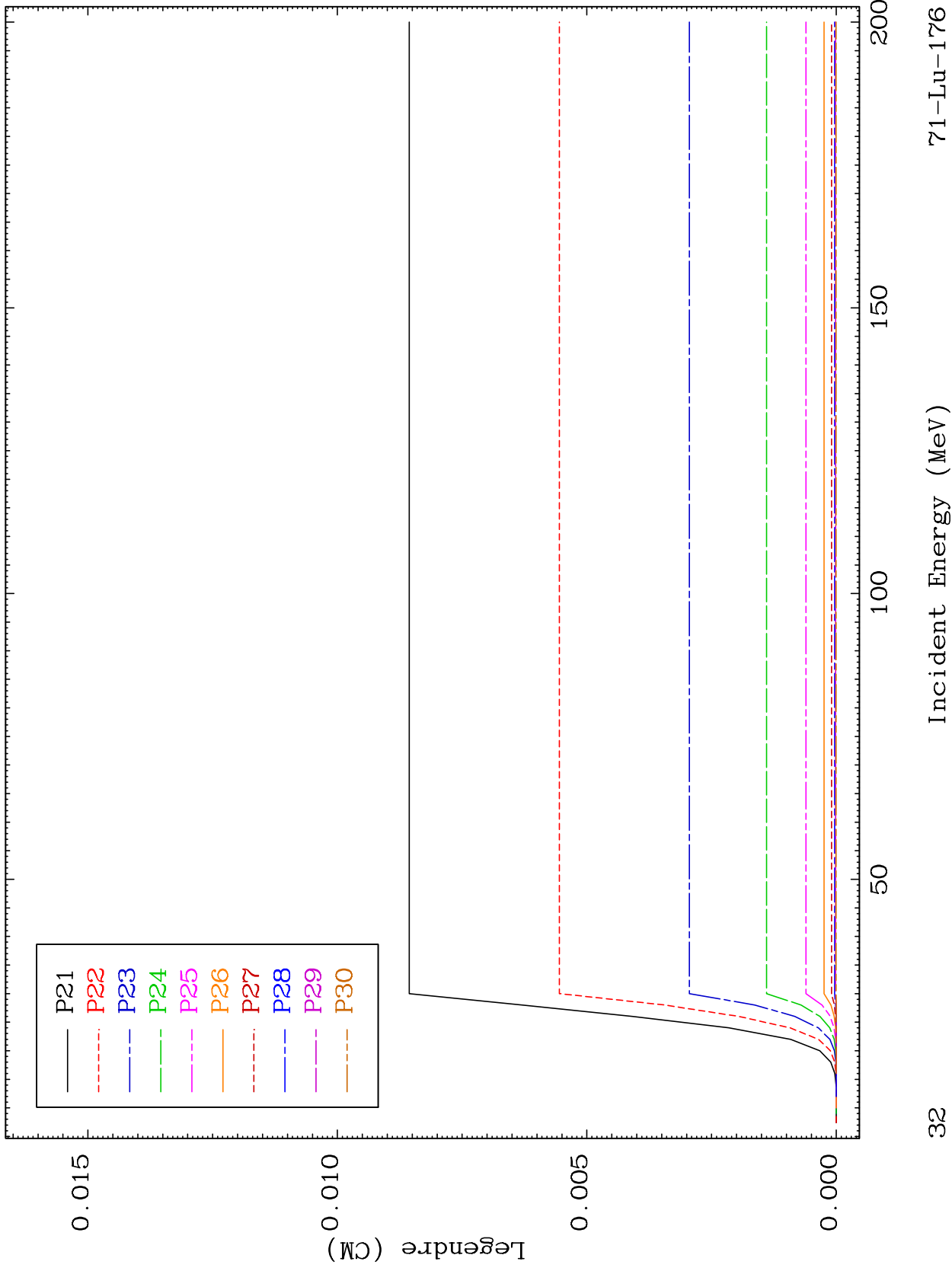


71-Lu-176

Incident Energy (MeV)

30

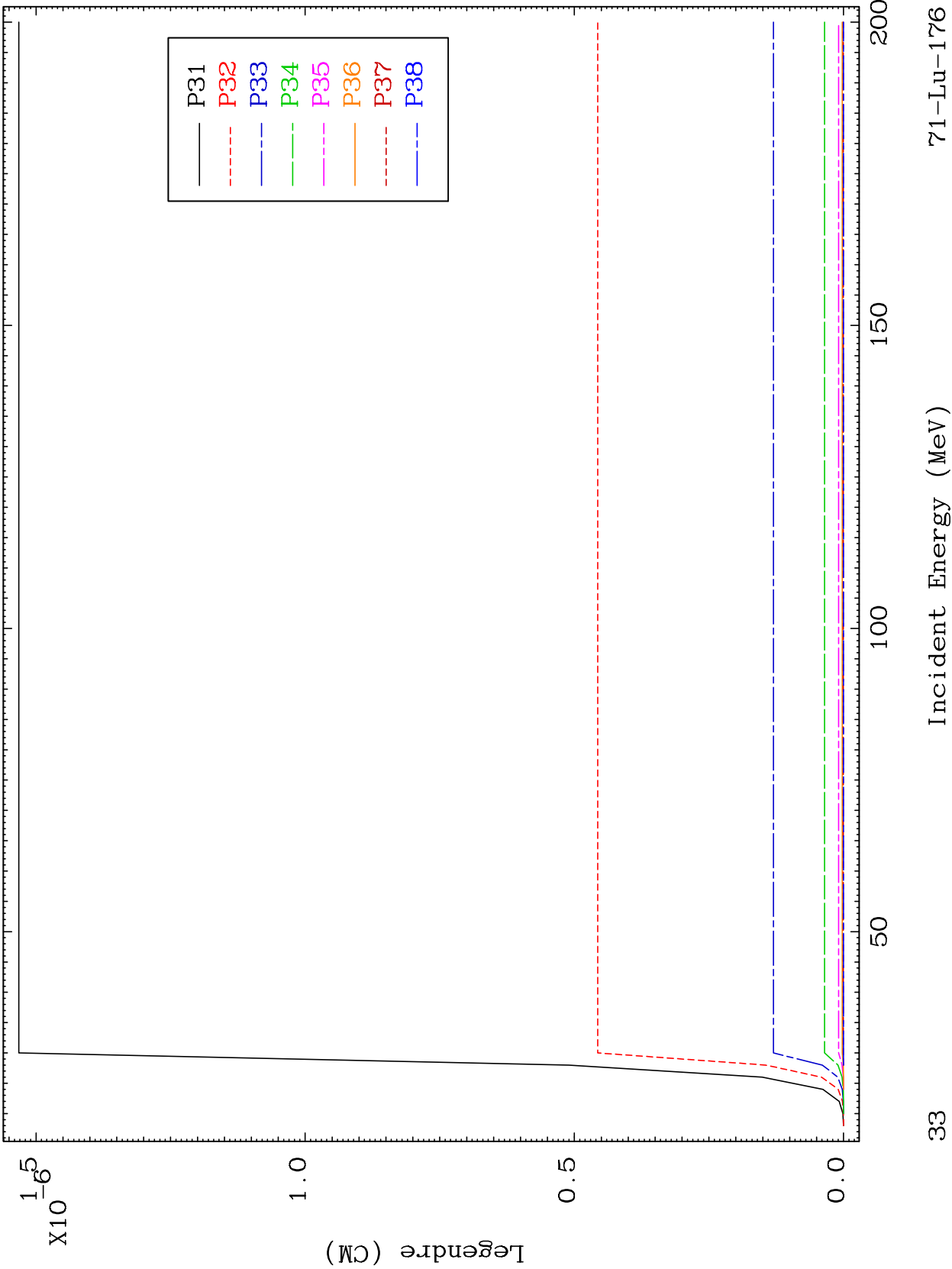




MAT 7128

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

71-Lu-176



33

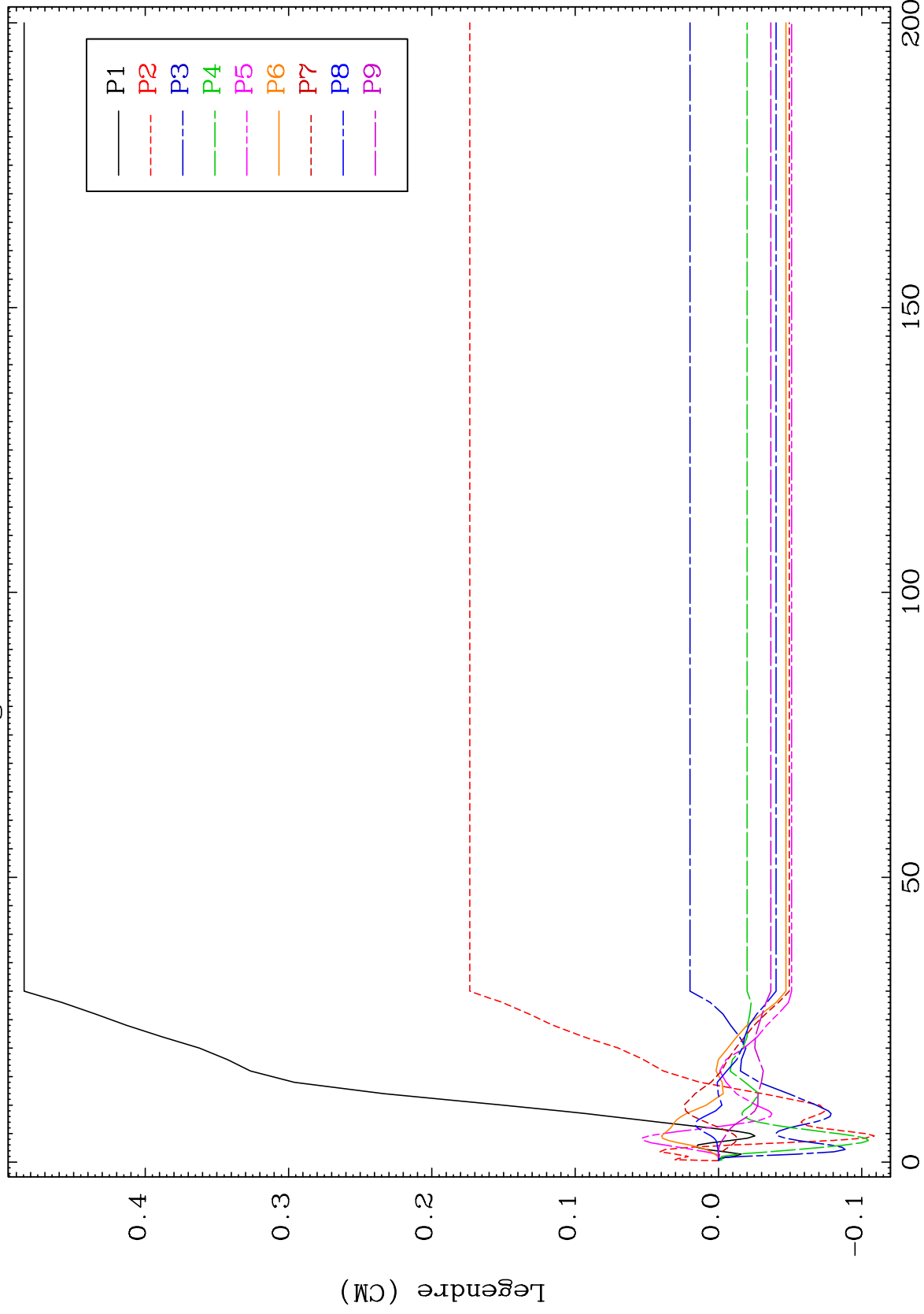
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

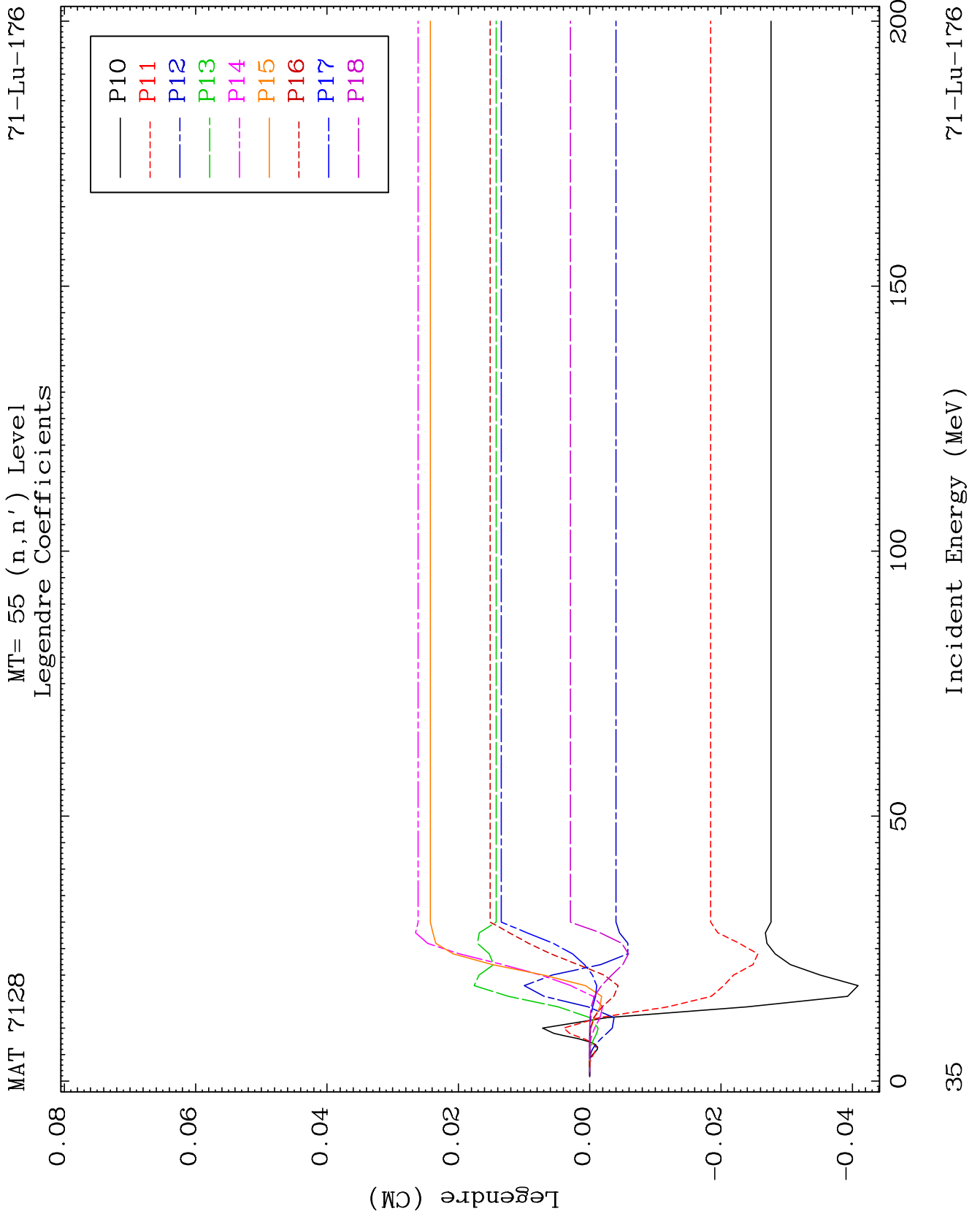
71-Lu-176

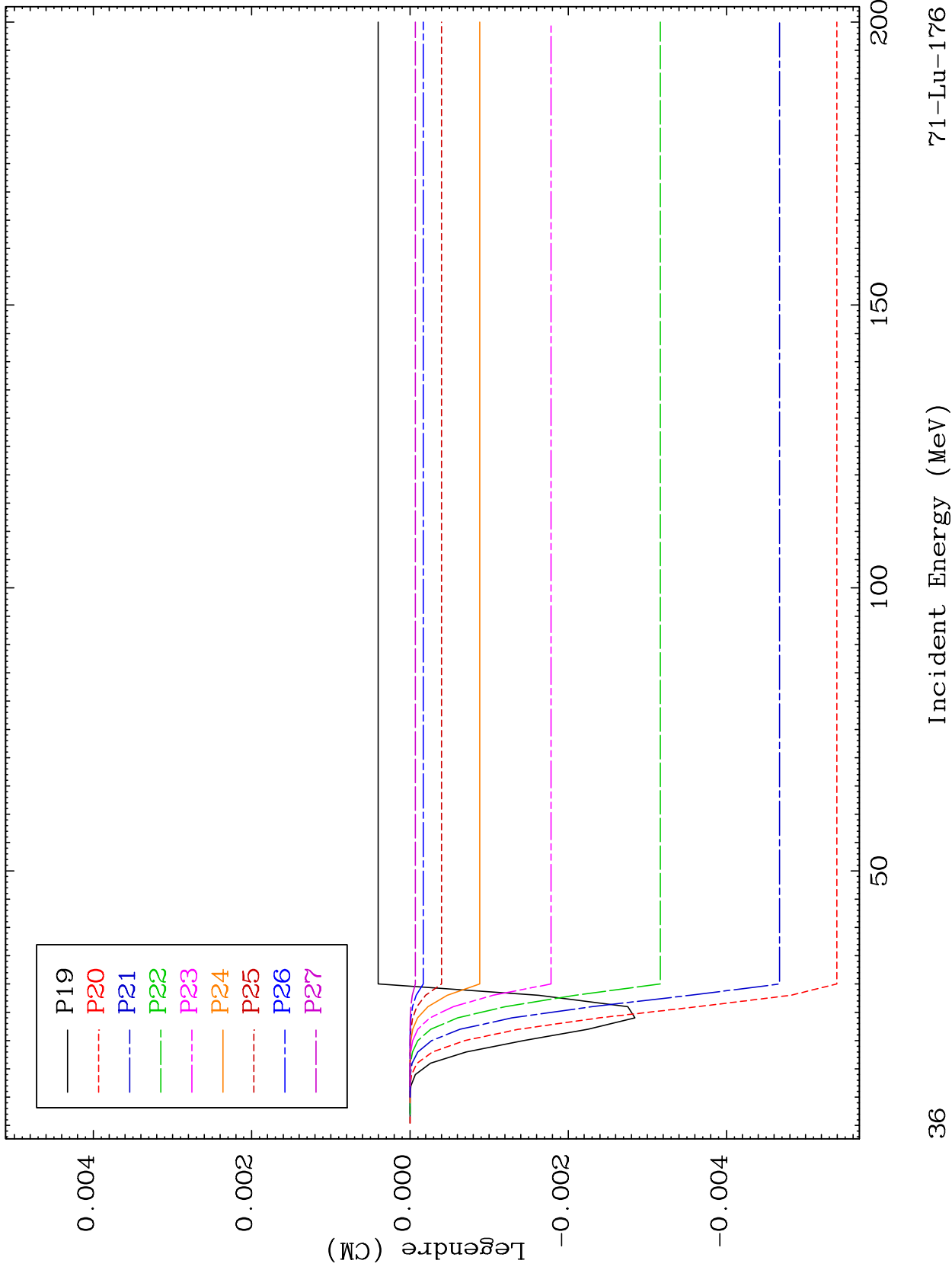


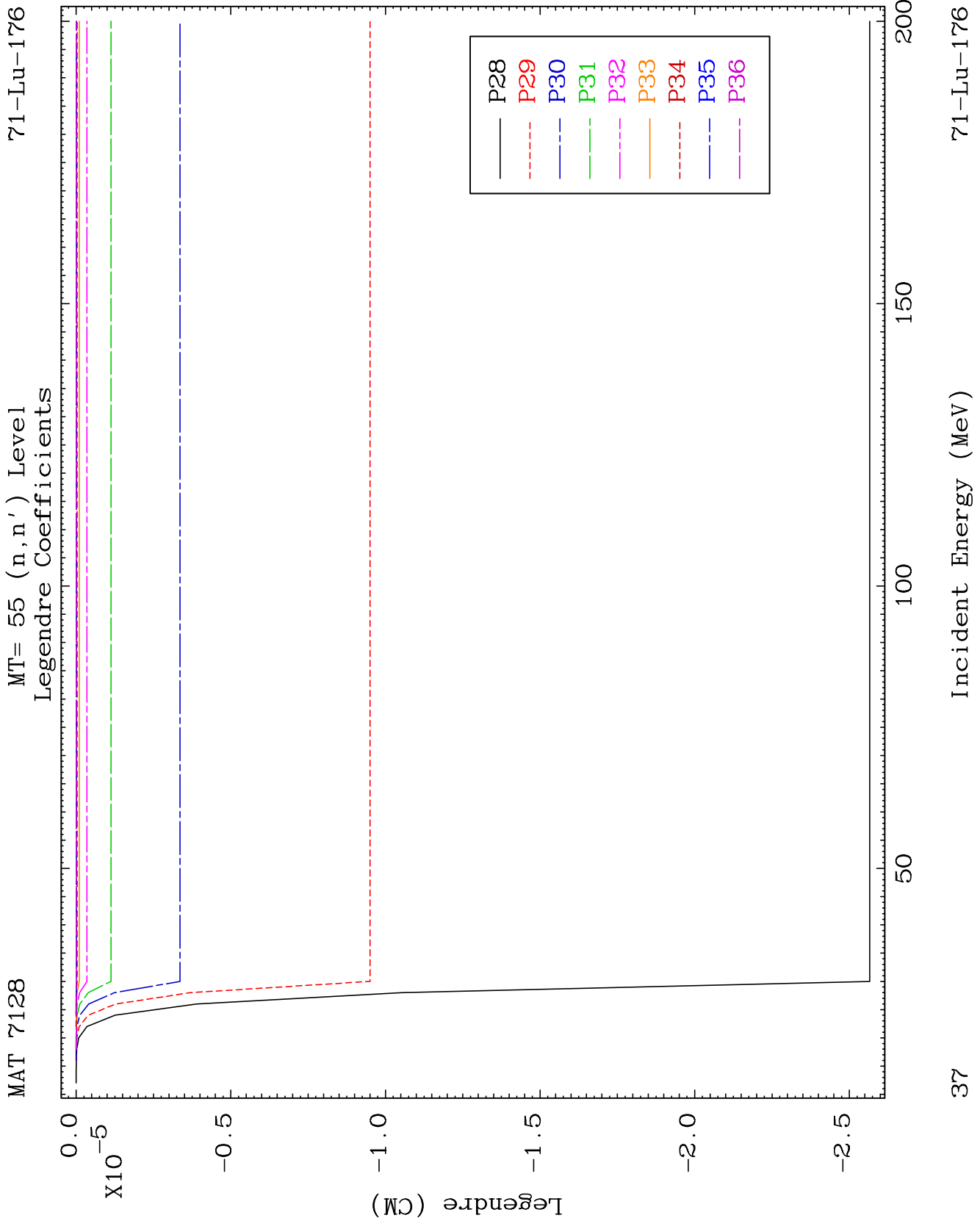
34

Incident Energy (MeV)

71-Lu-176



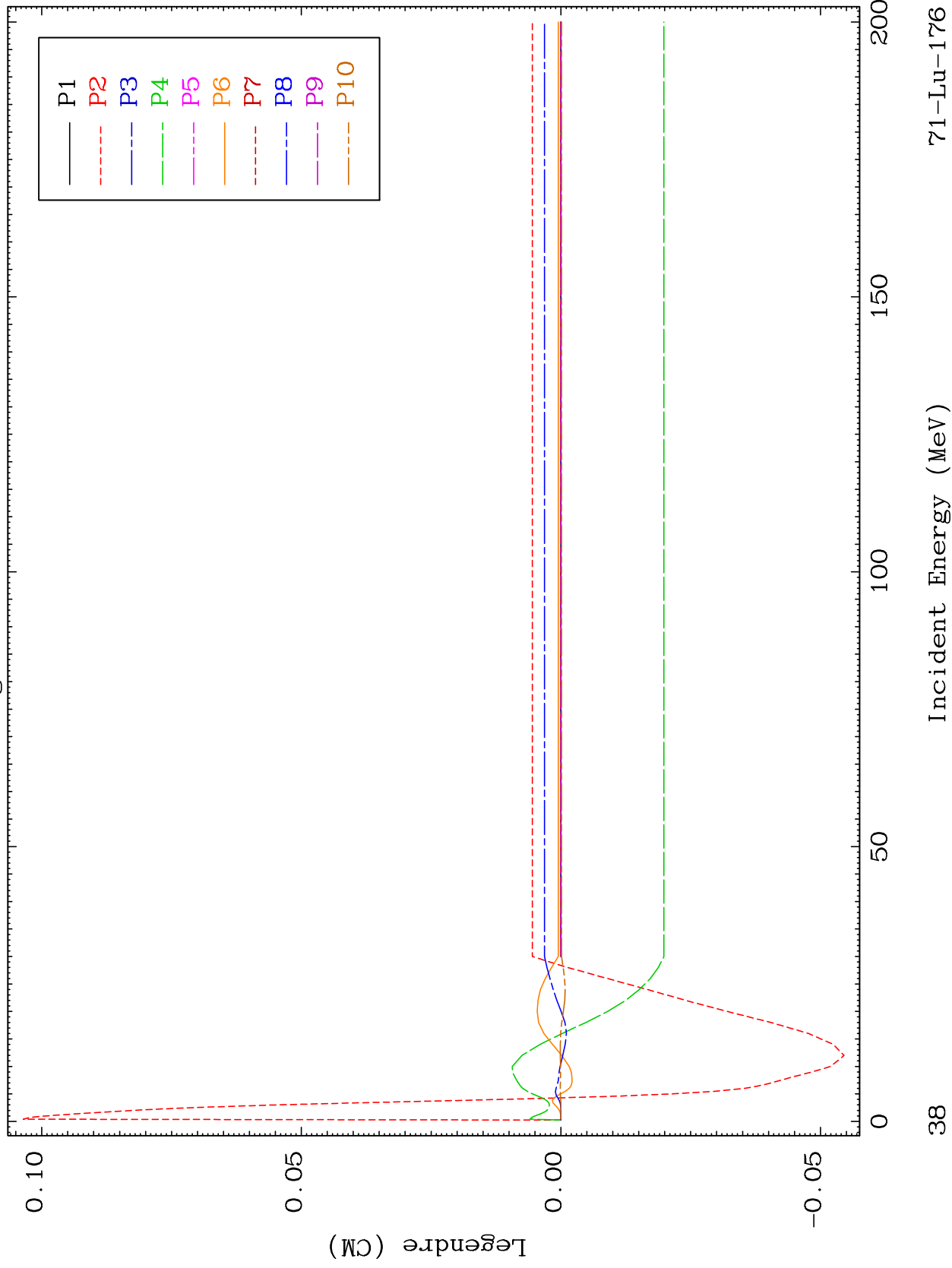




MAT 7128

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

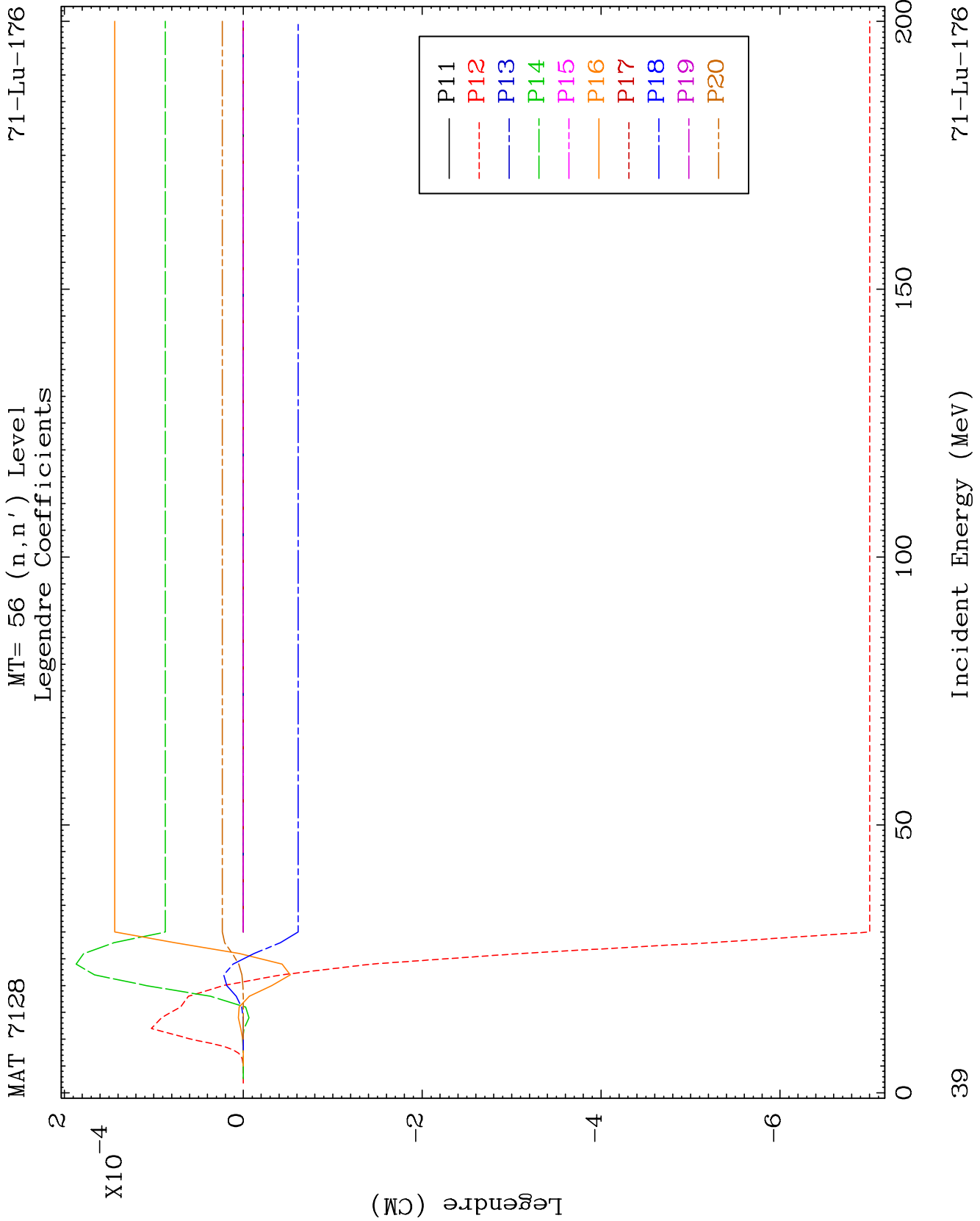
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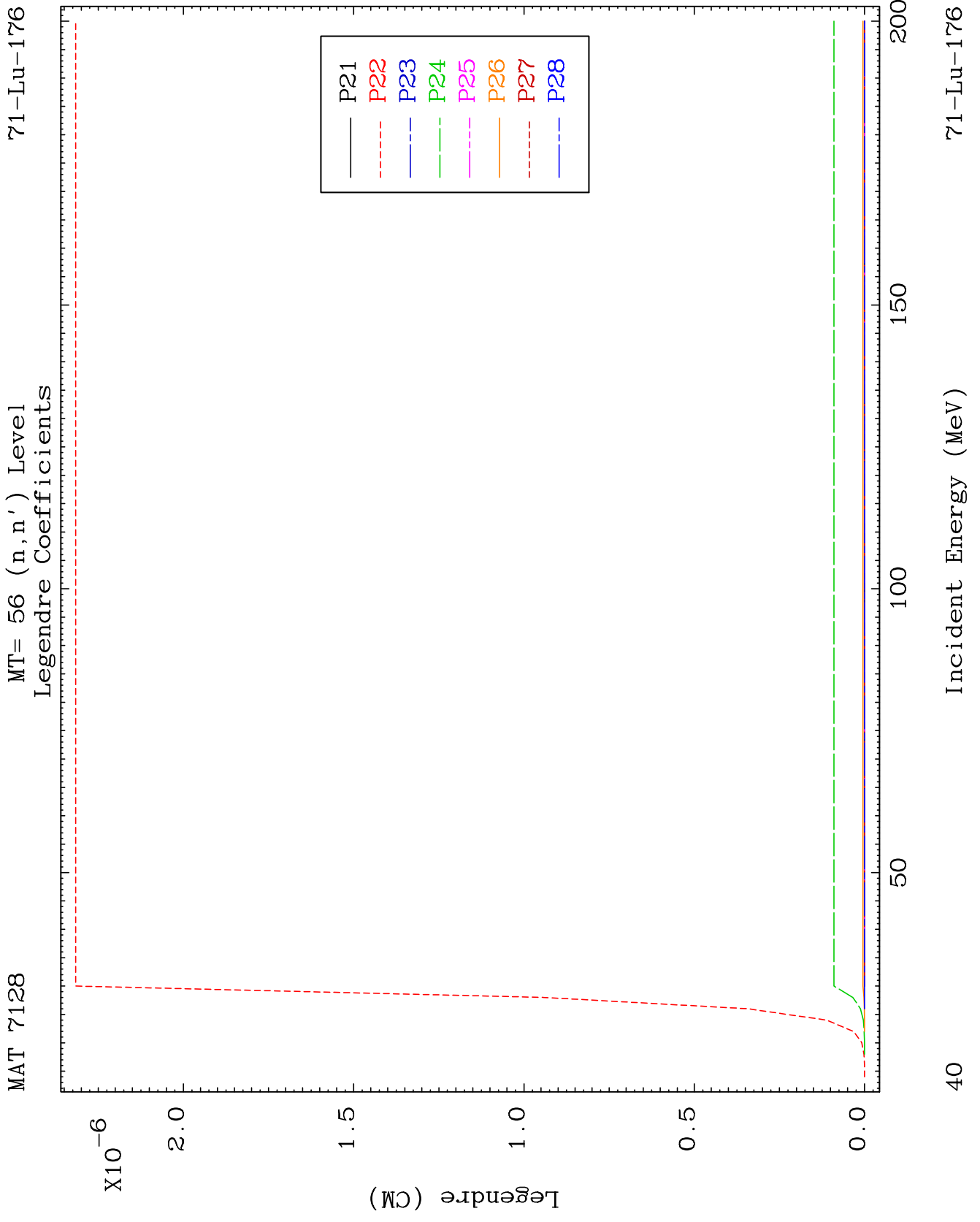


71-Lu-176

Incident Energy (MeV)

38

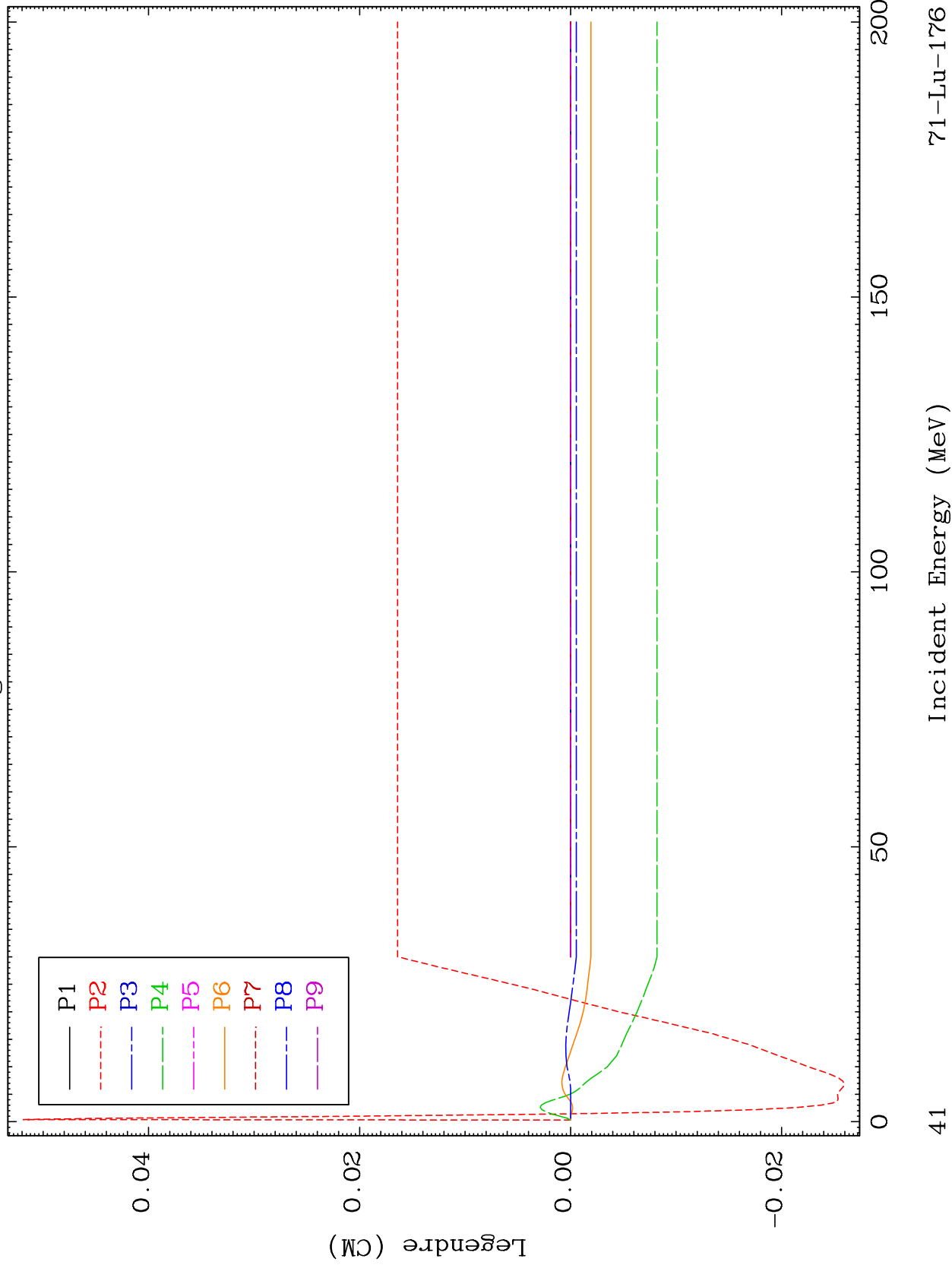




MAT 7128

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

71-Lu-176



71-Lu-176

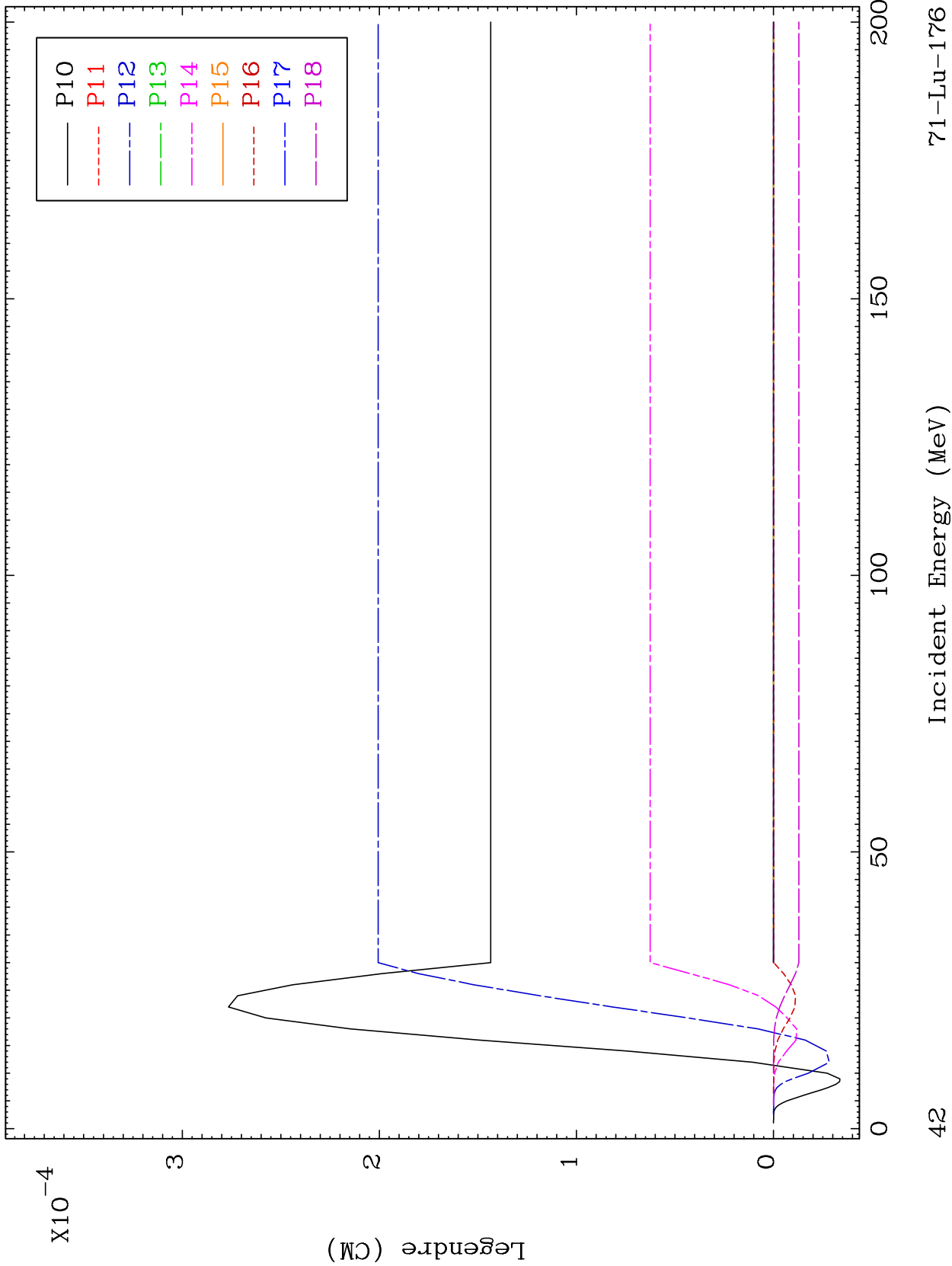
Incident Energy (MeV)

41

MAT 7128

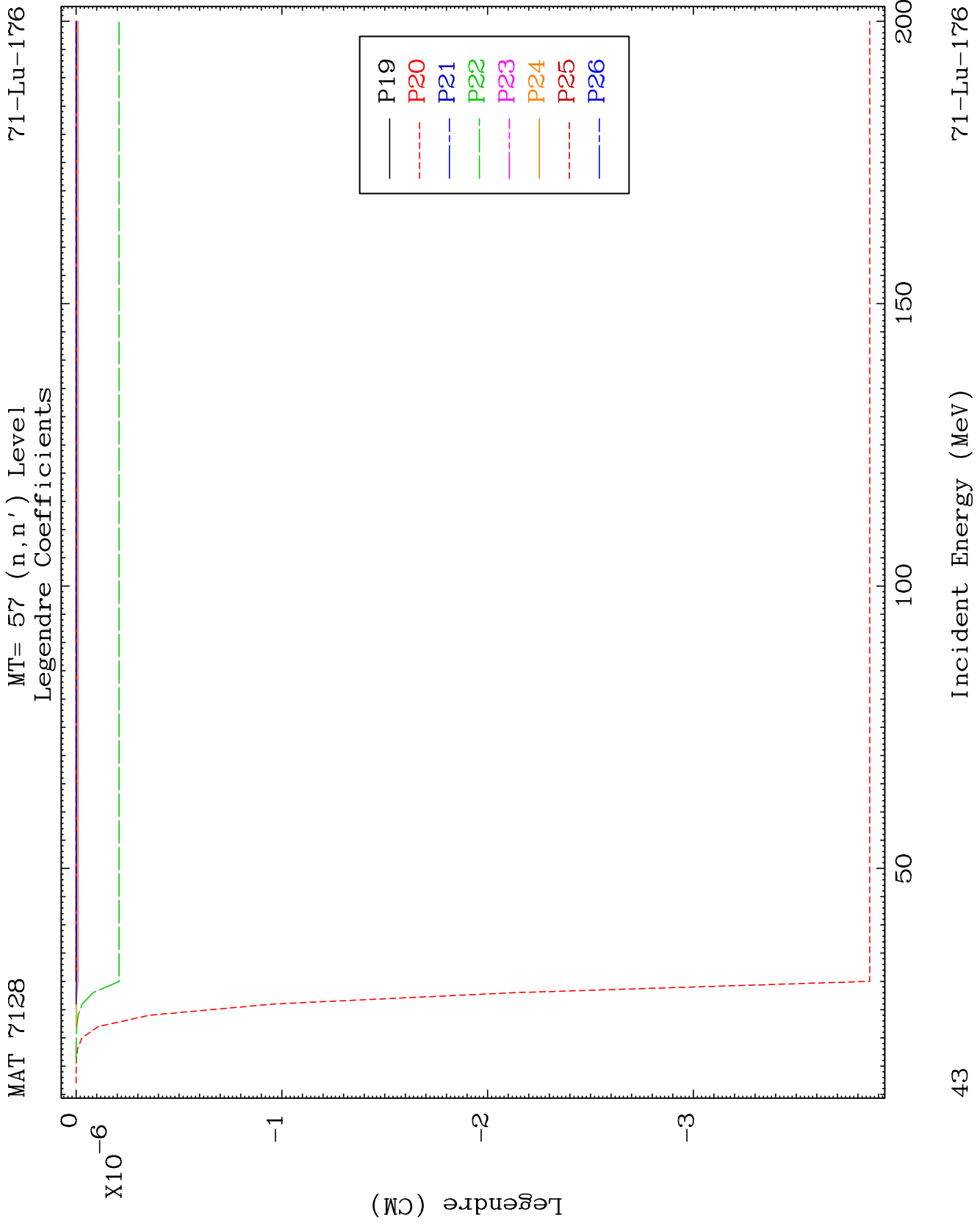
MT= 57 (n,n') Level
Legendre Coefficients

71-Lu-176



42

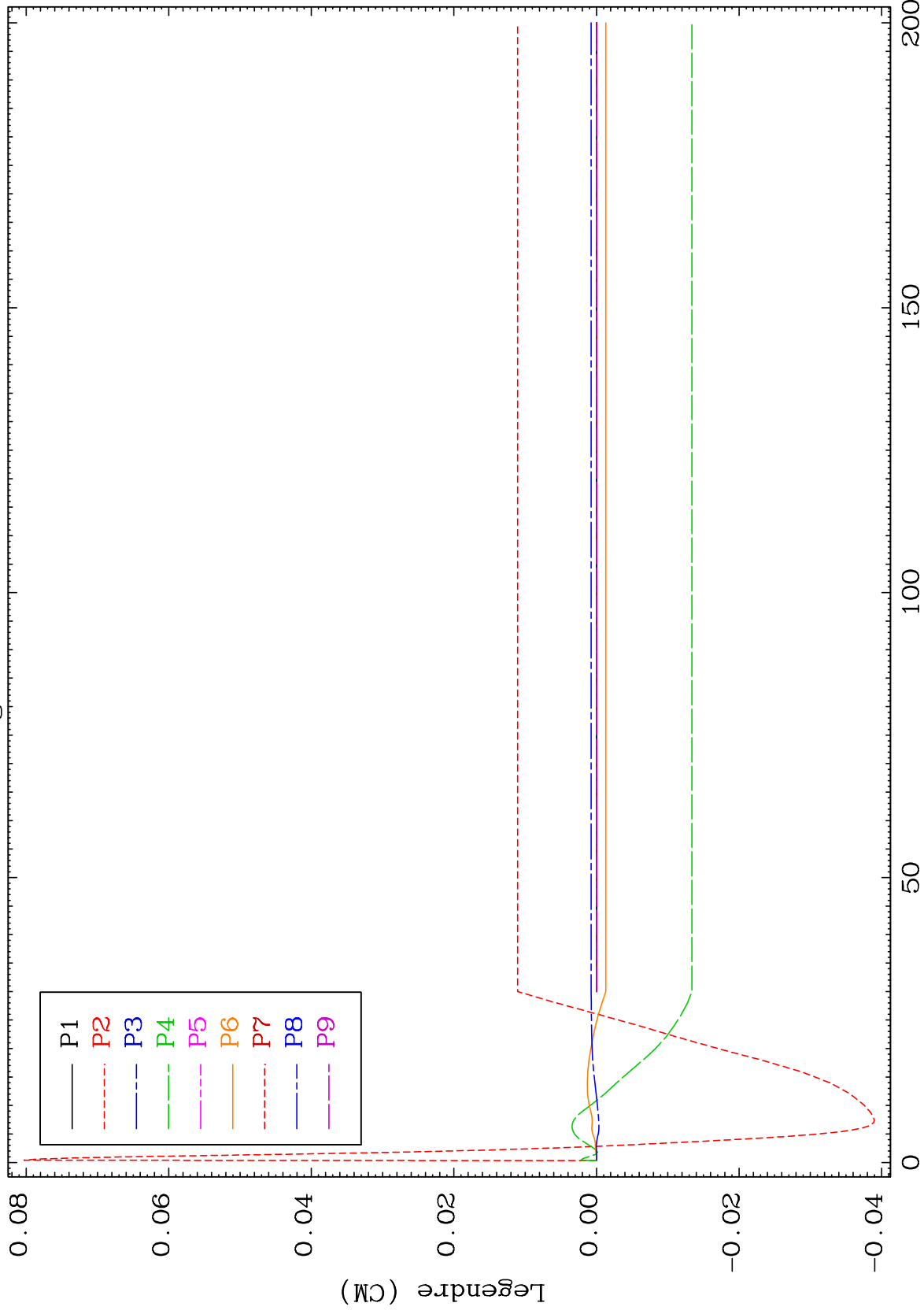
71-Lu-176



MAT 7128

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

71-Lu-176



44

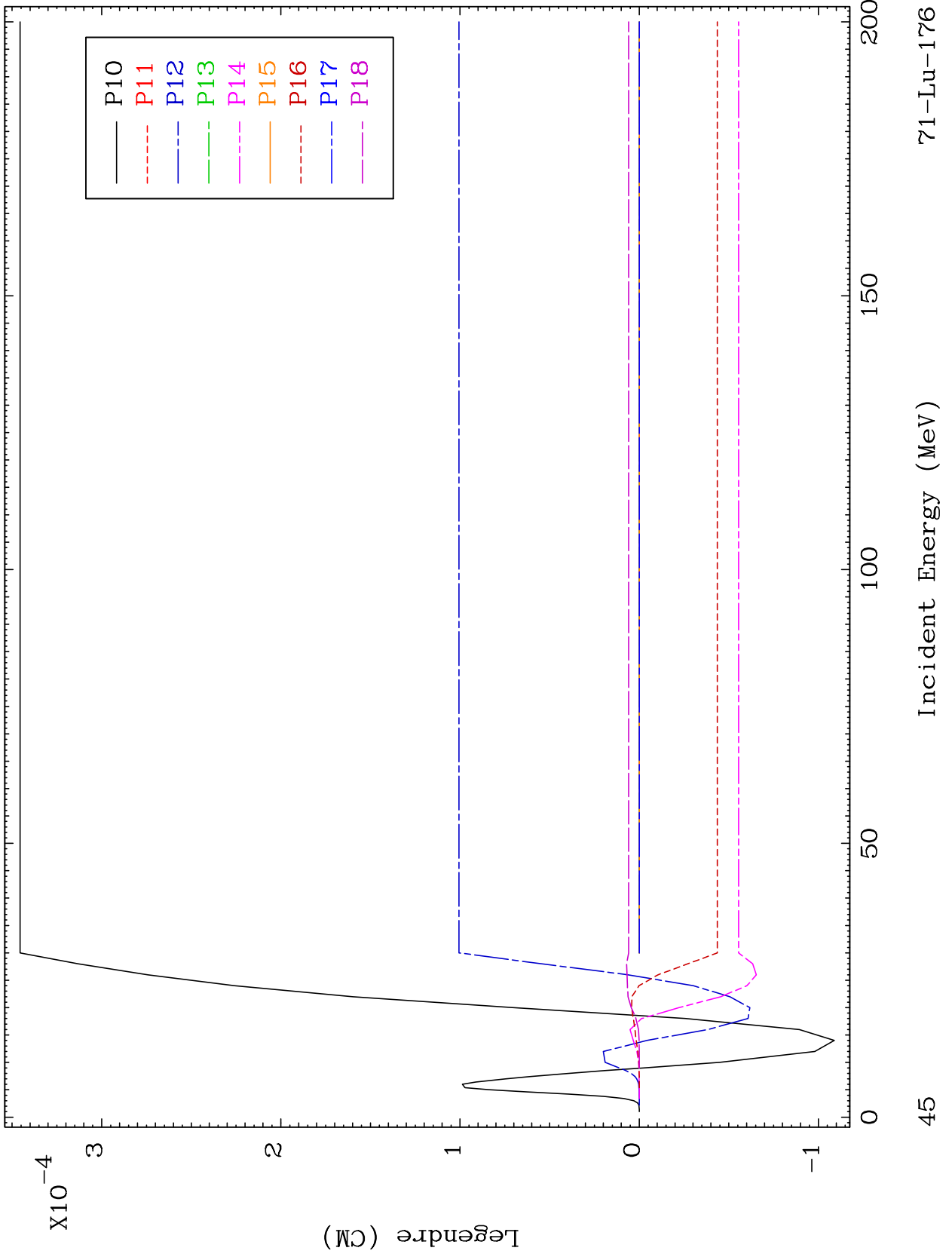
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

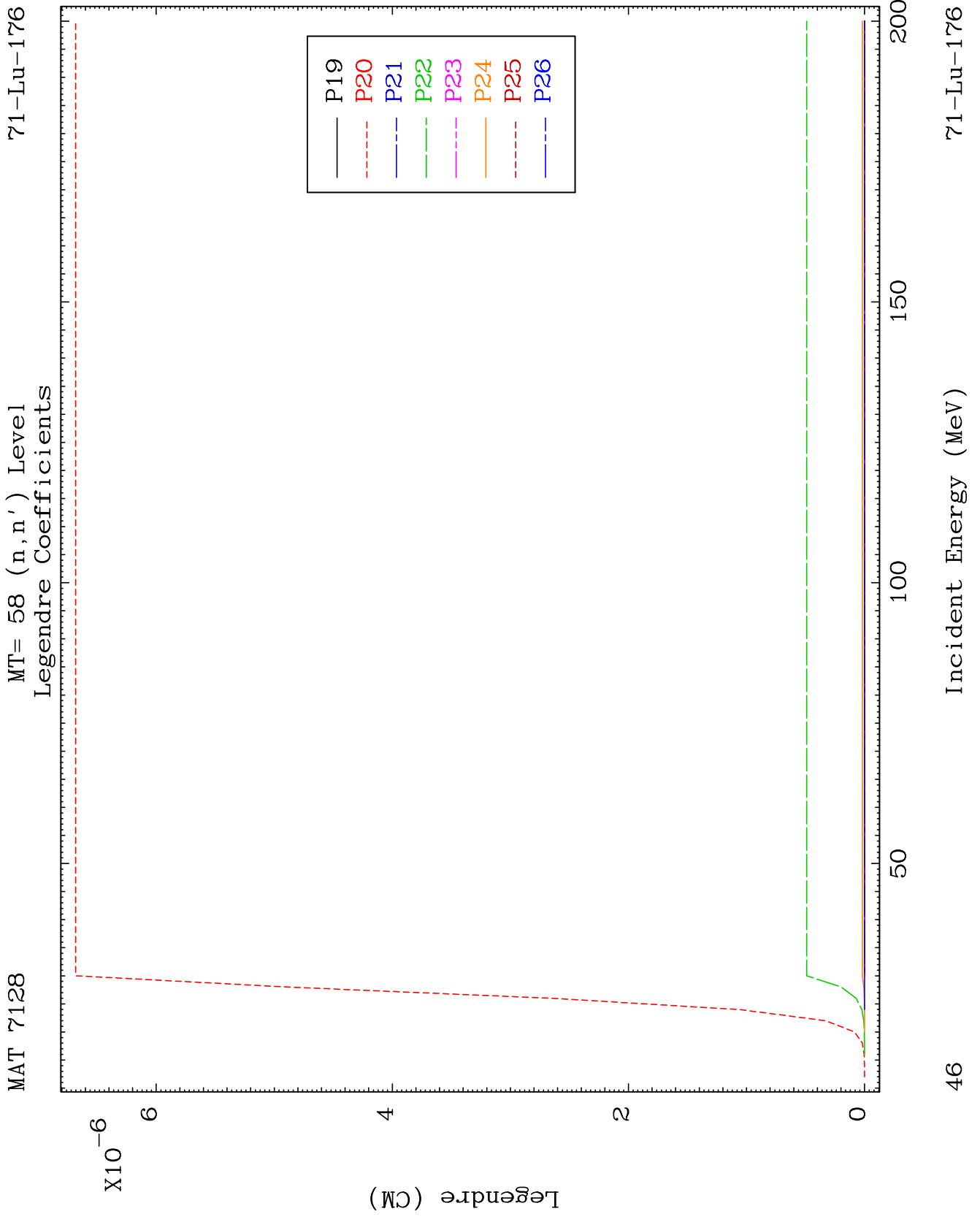
71-Lu-176



71-Lu-176

Incident Energy (MeV)

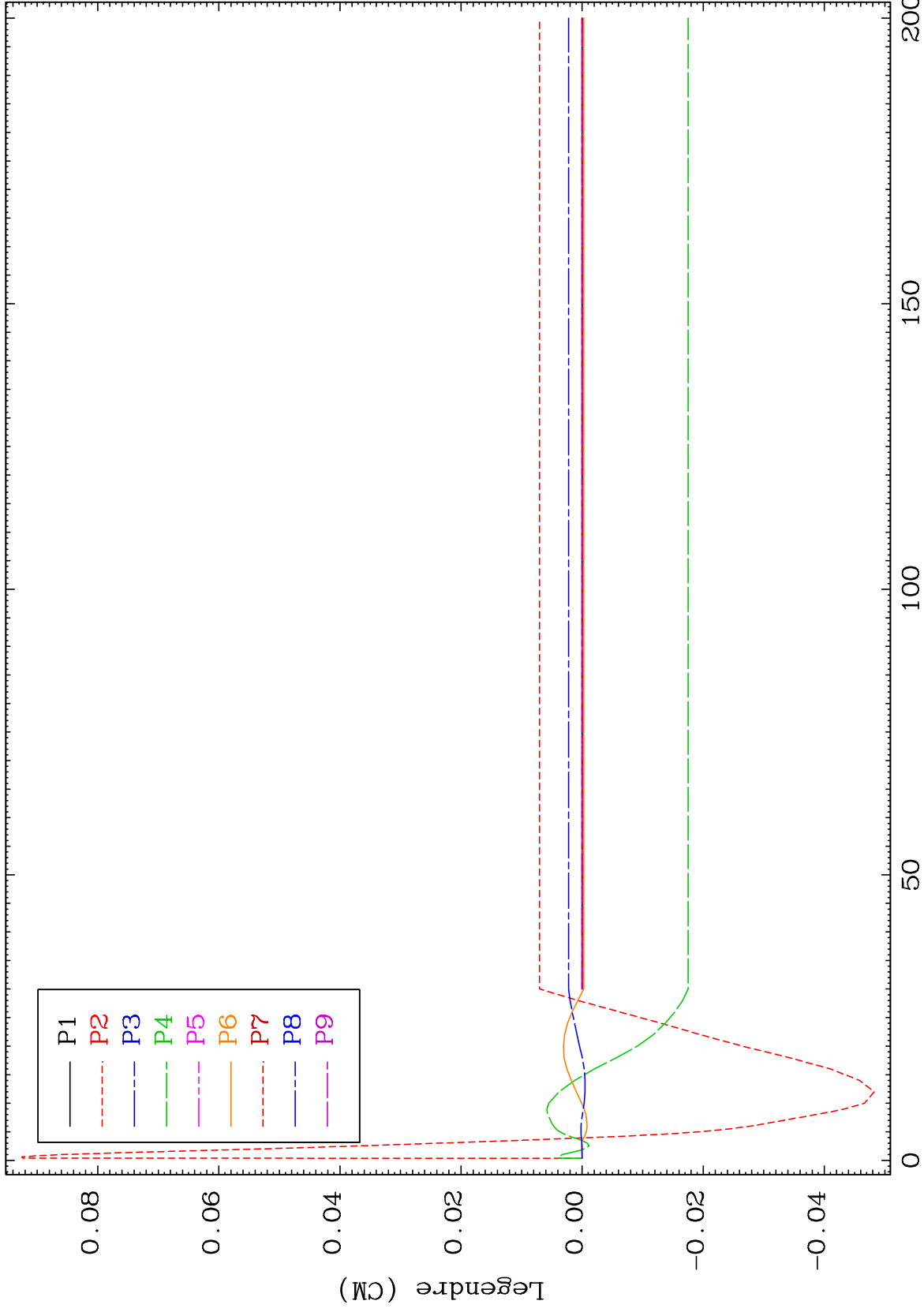
45



MAT 7128

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

71-Lu-176



47

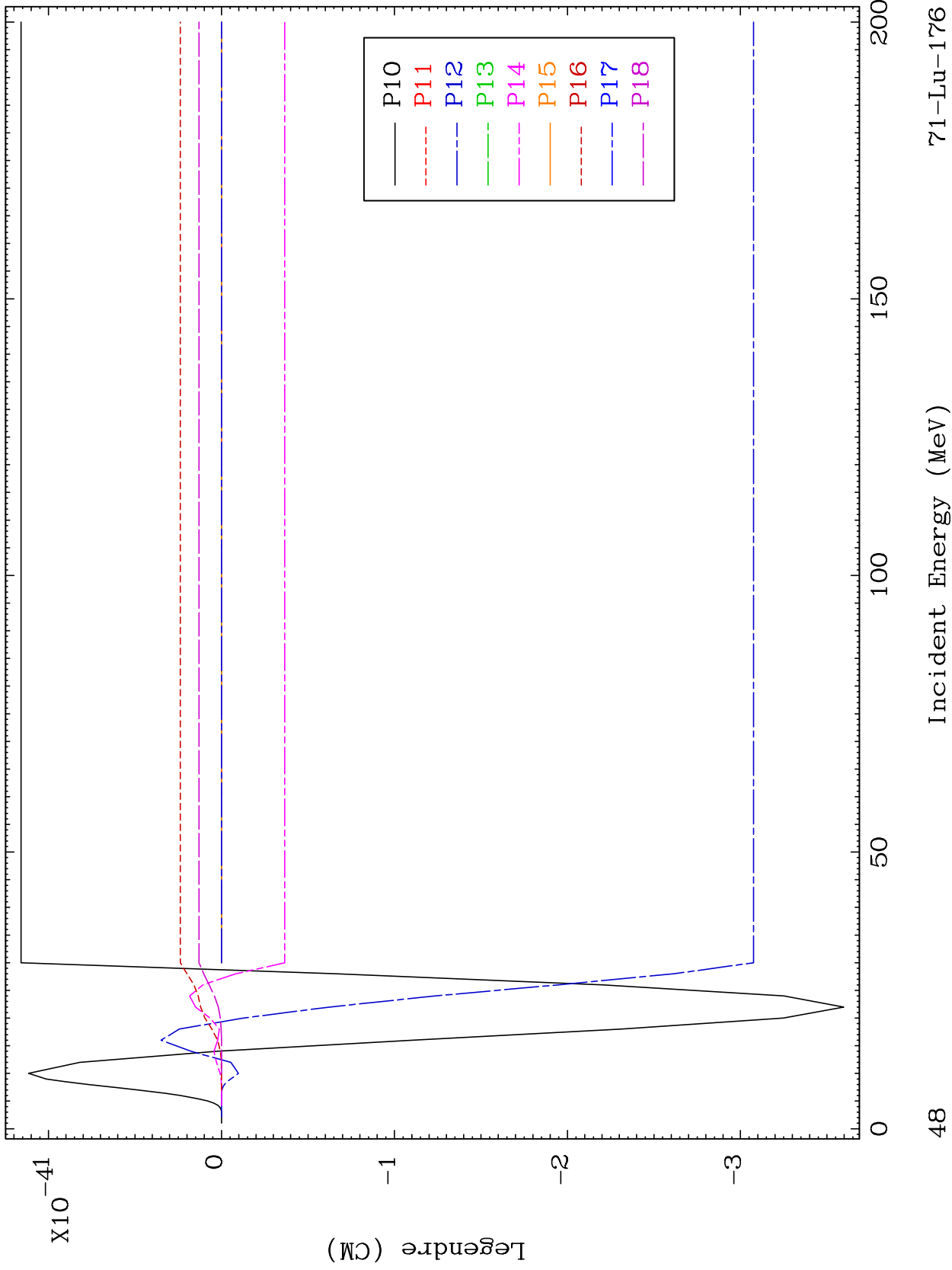
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

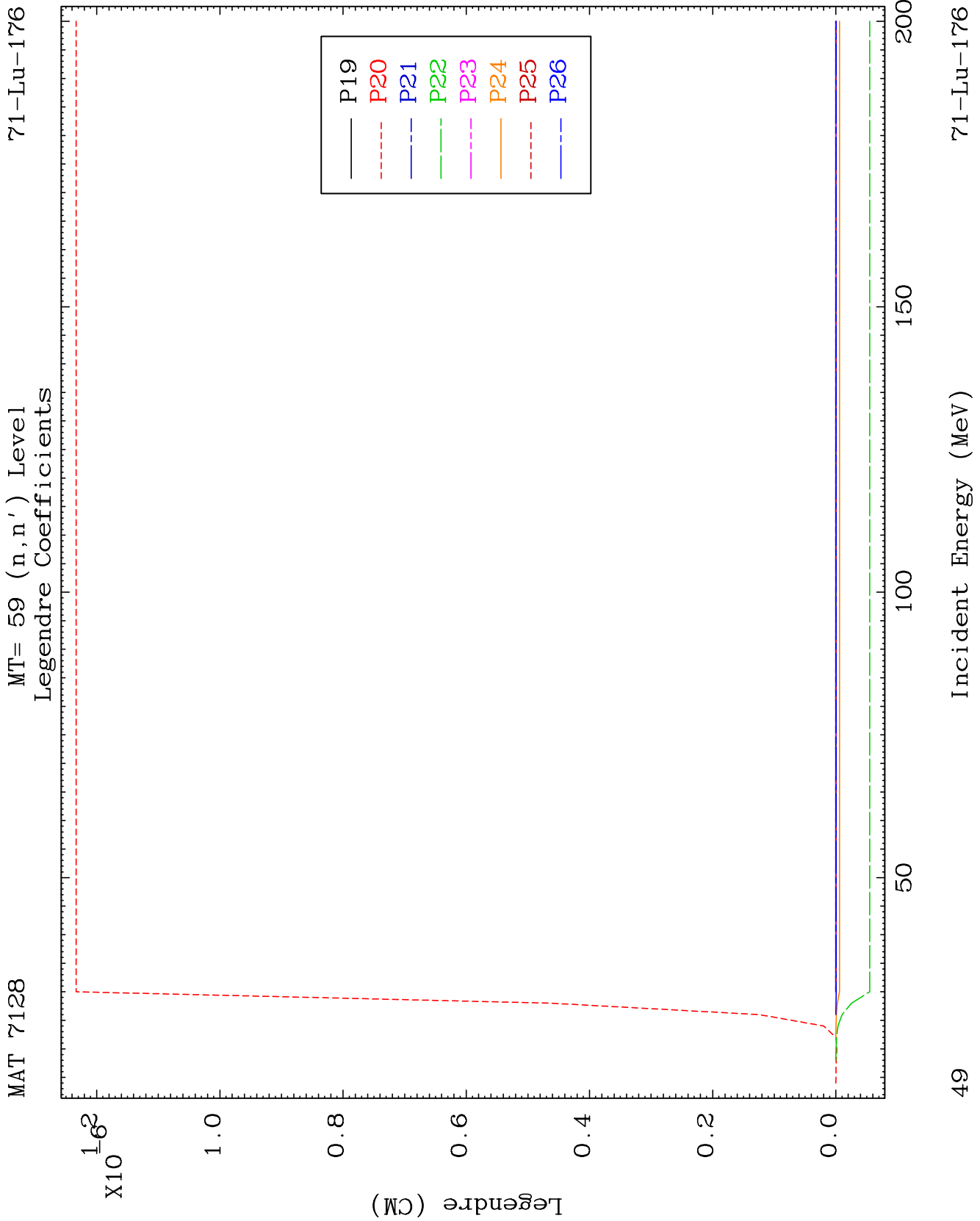
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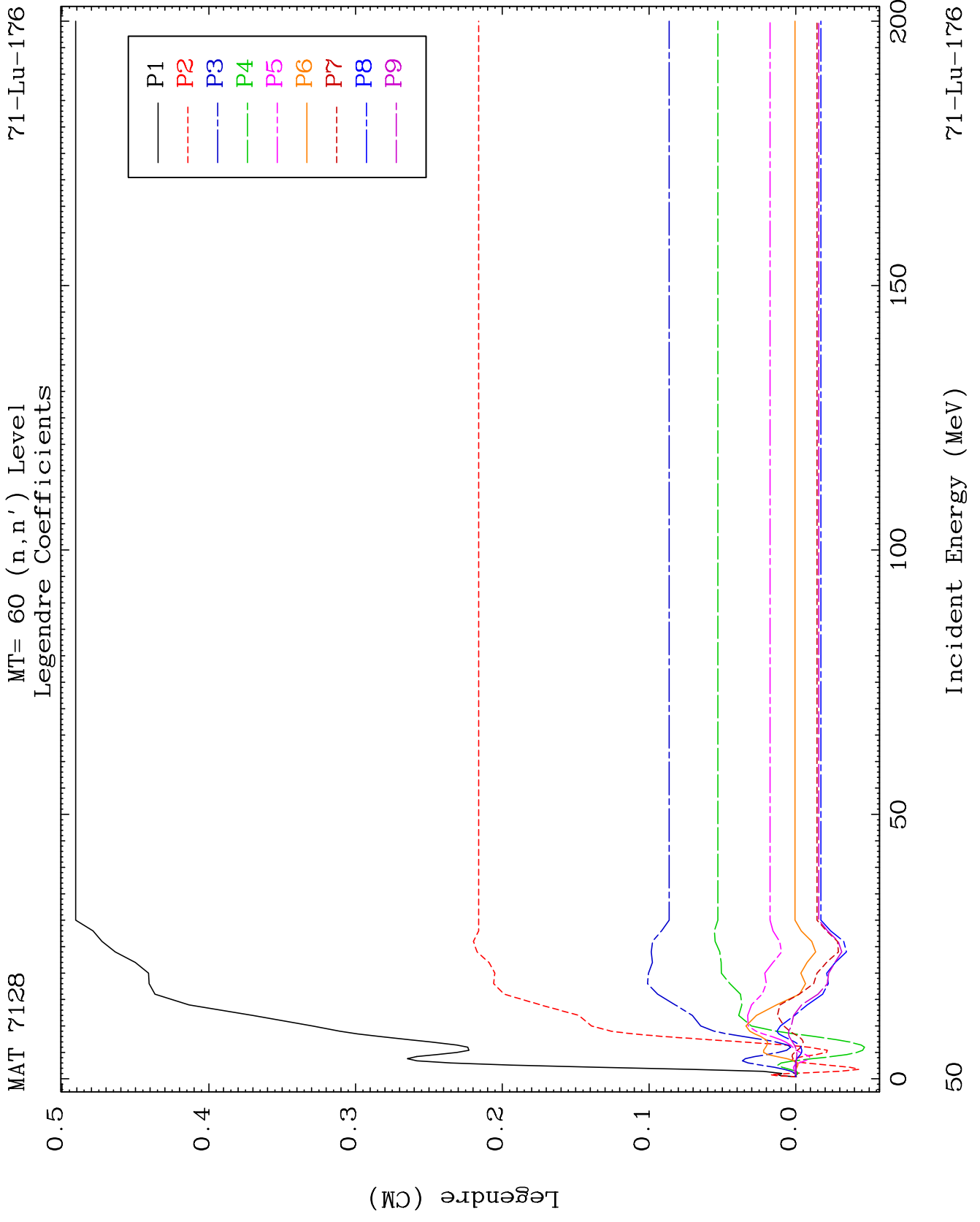


71-Lu-176

Incident Energy (MeV)

48

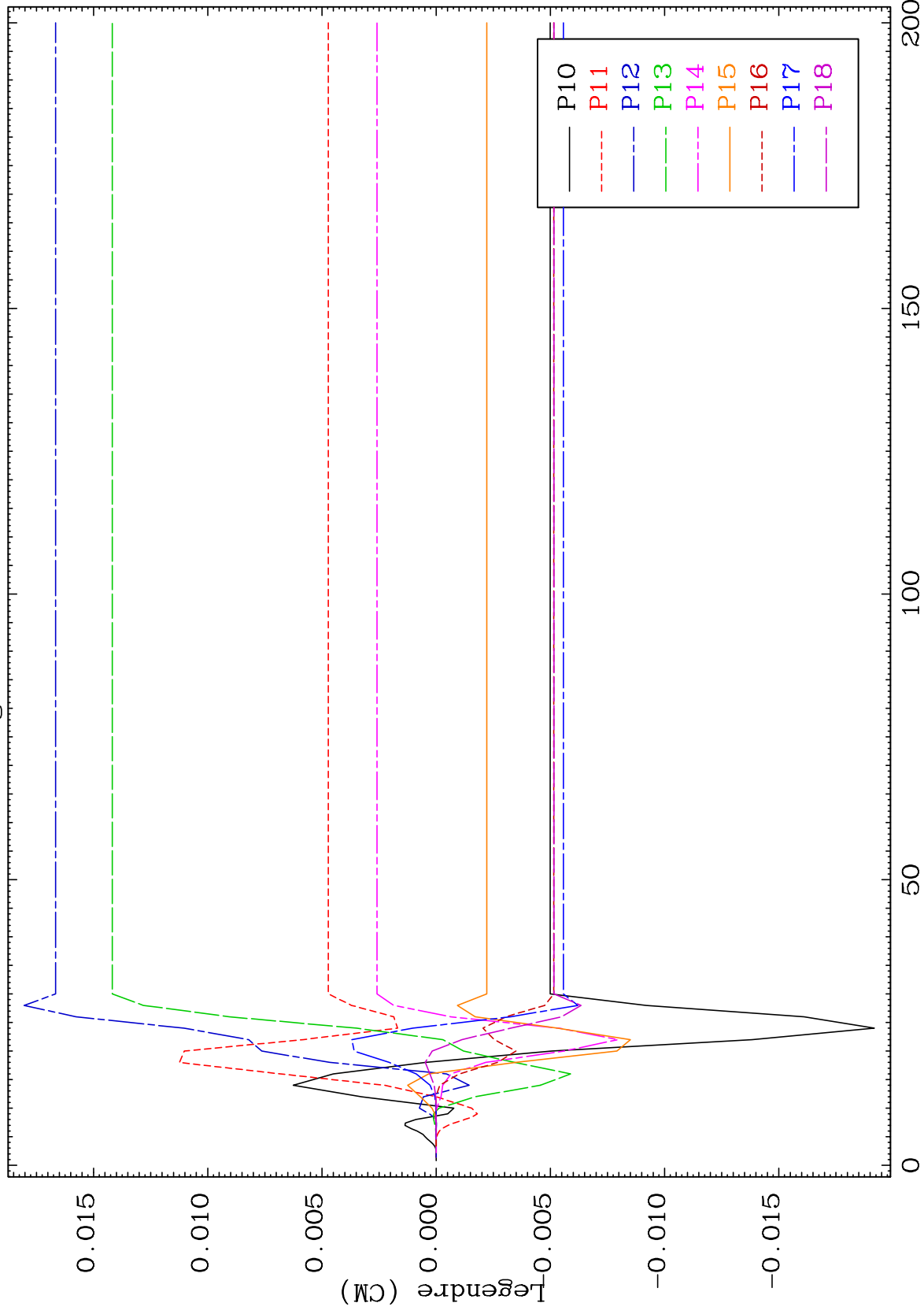




MAT 7128

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

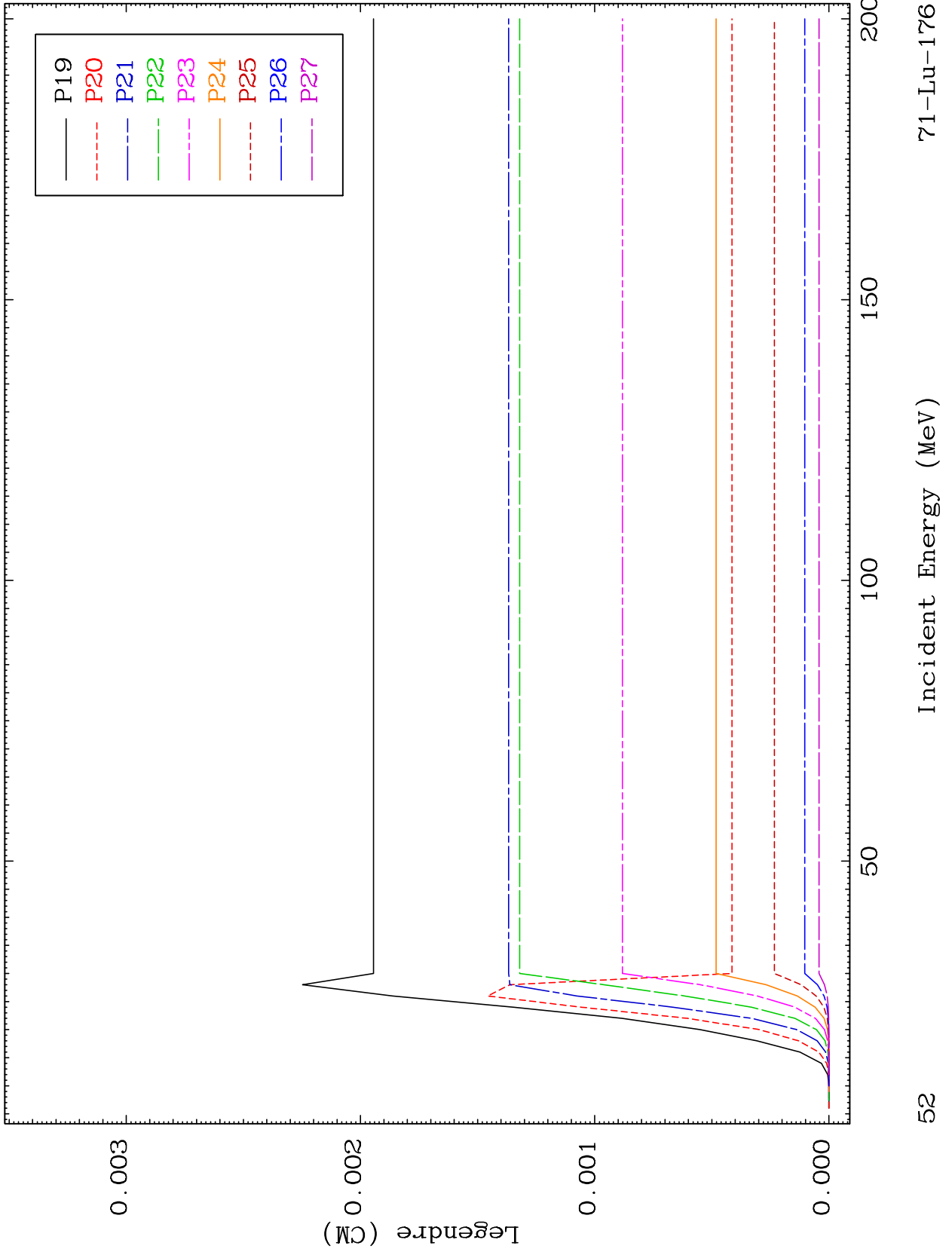
71-Lu-176



51

Incident Energy (MeV)

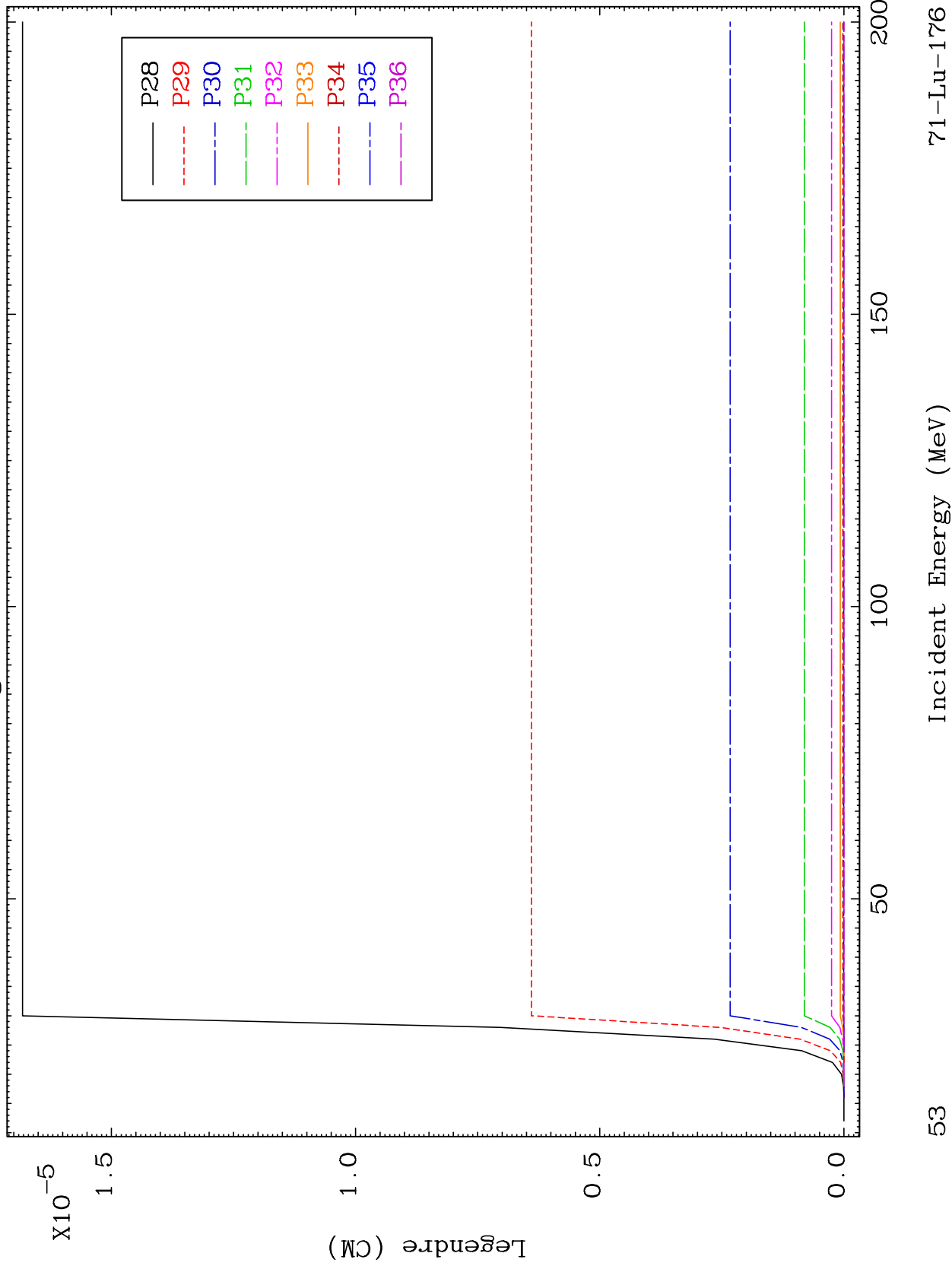
71-Lu-176



MAT 7128

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

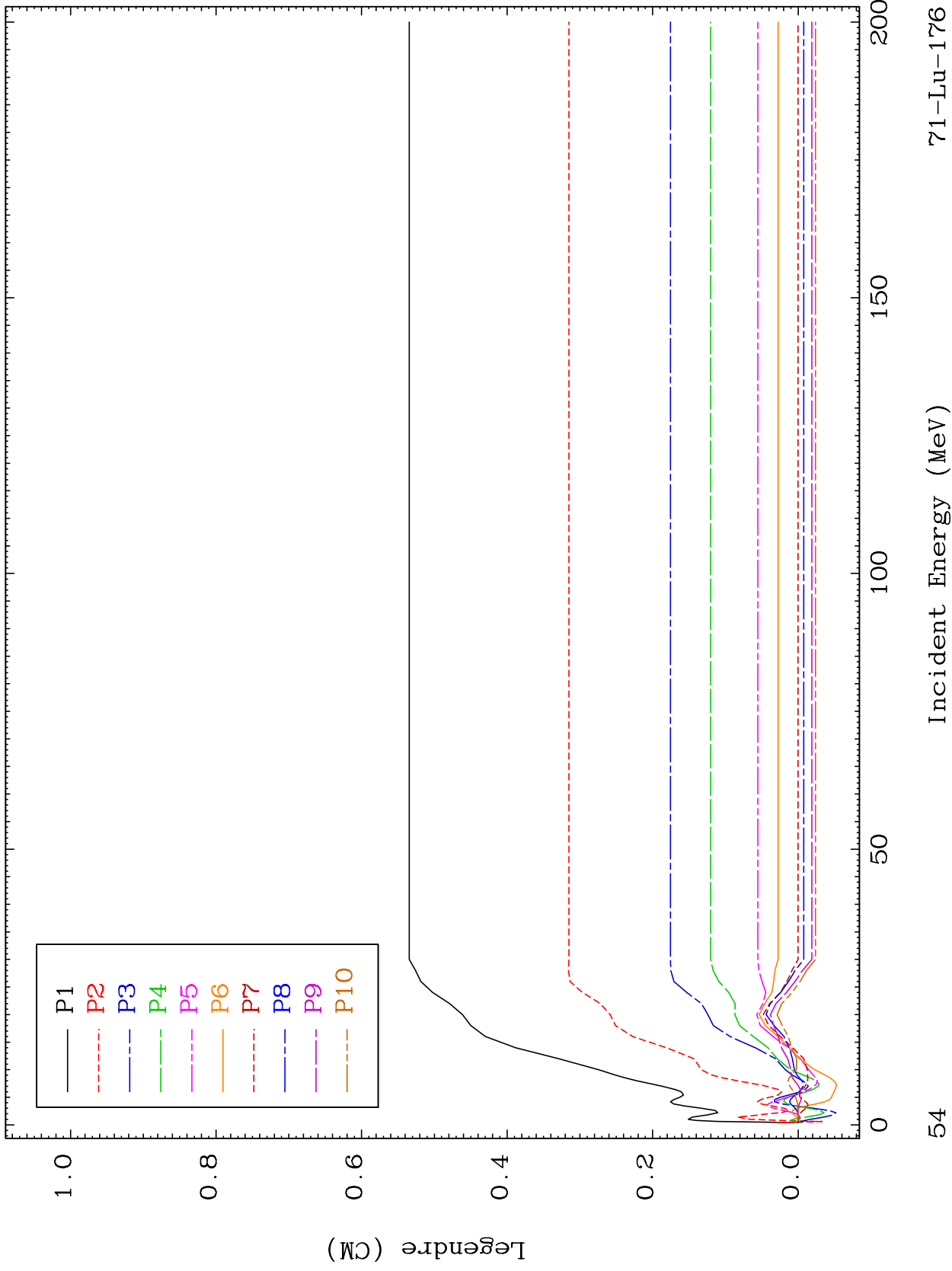
71-Lu-176



MAT 7128

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

71-Lu-176

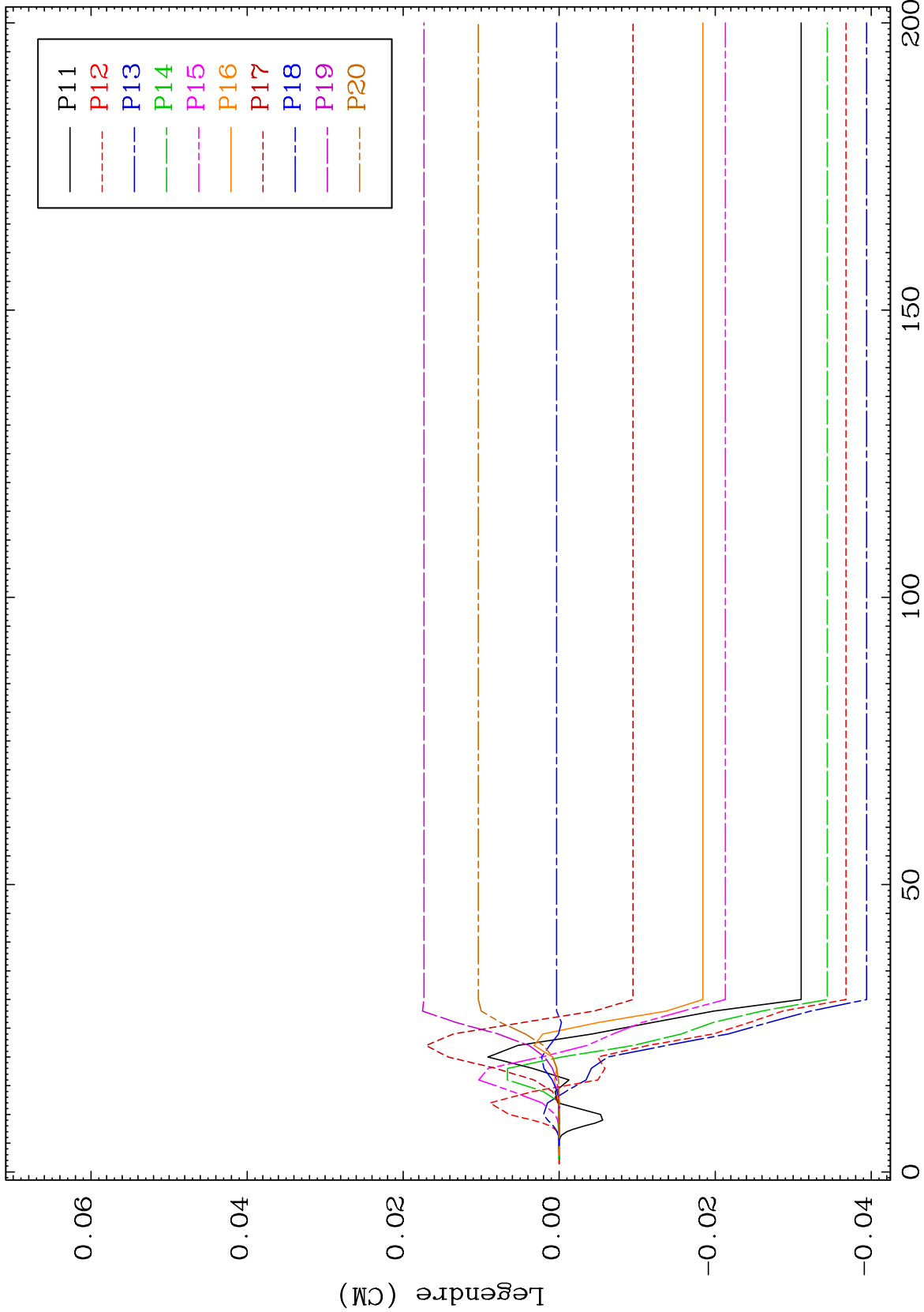


54

MAT 7128

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

71-Lu-176



71-Lu-176

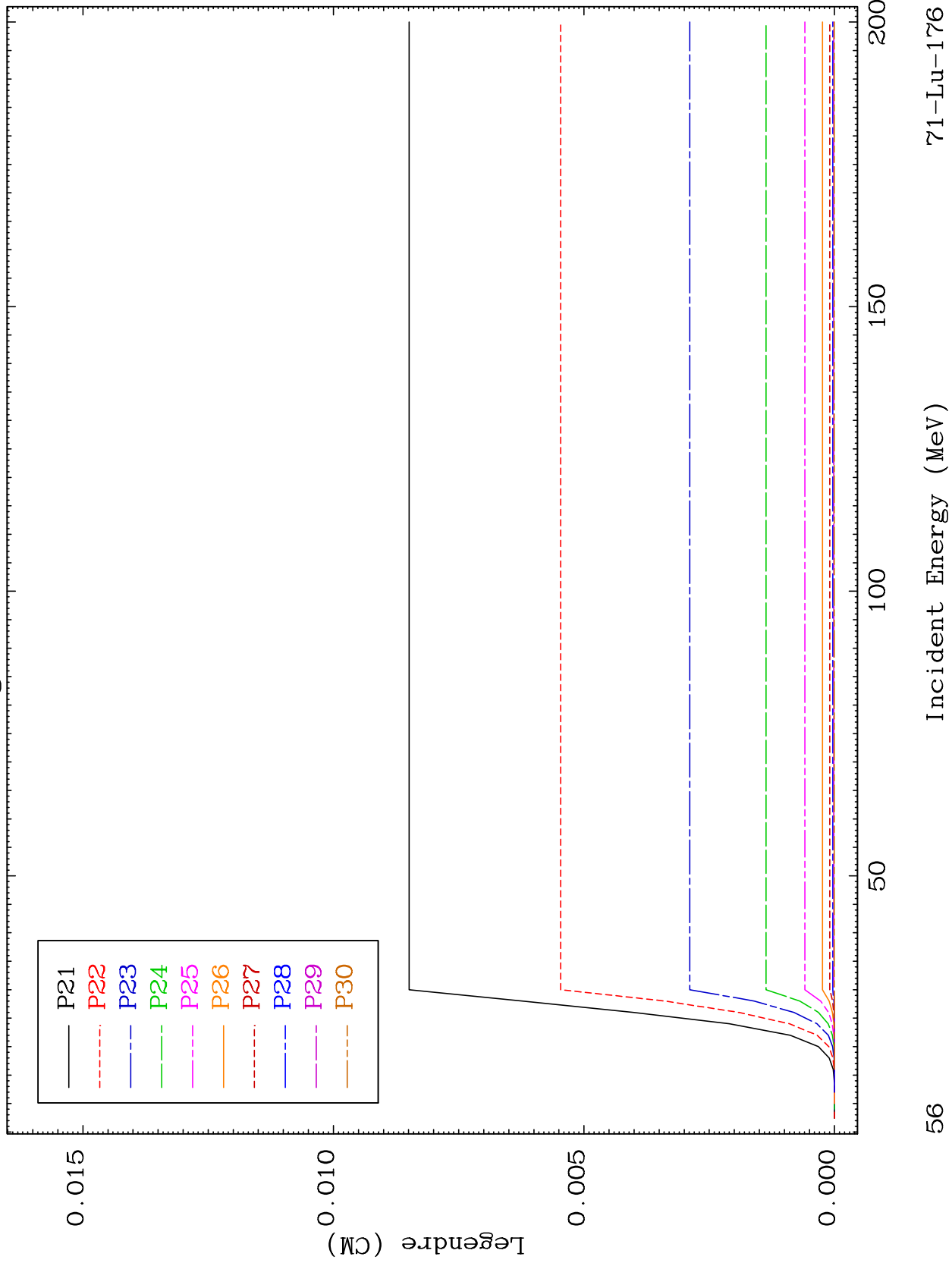
Incident Energy (MeV)

55

MAT 7128

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

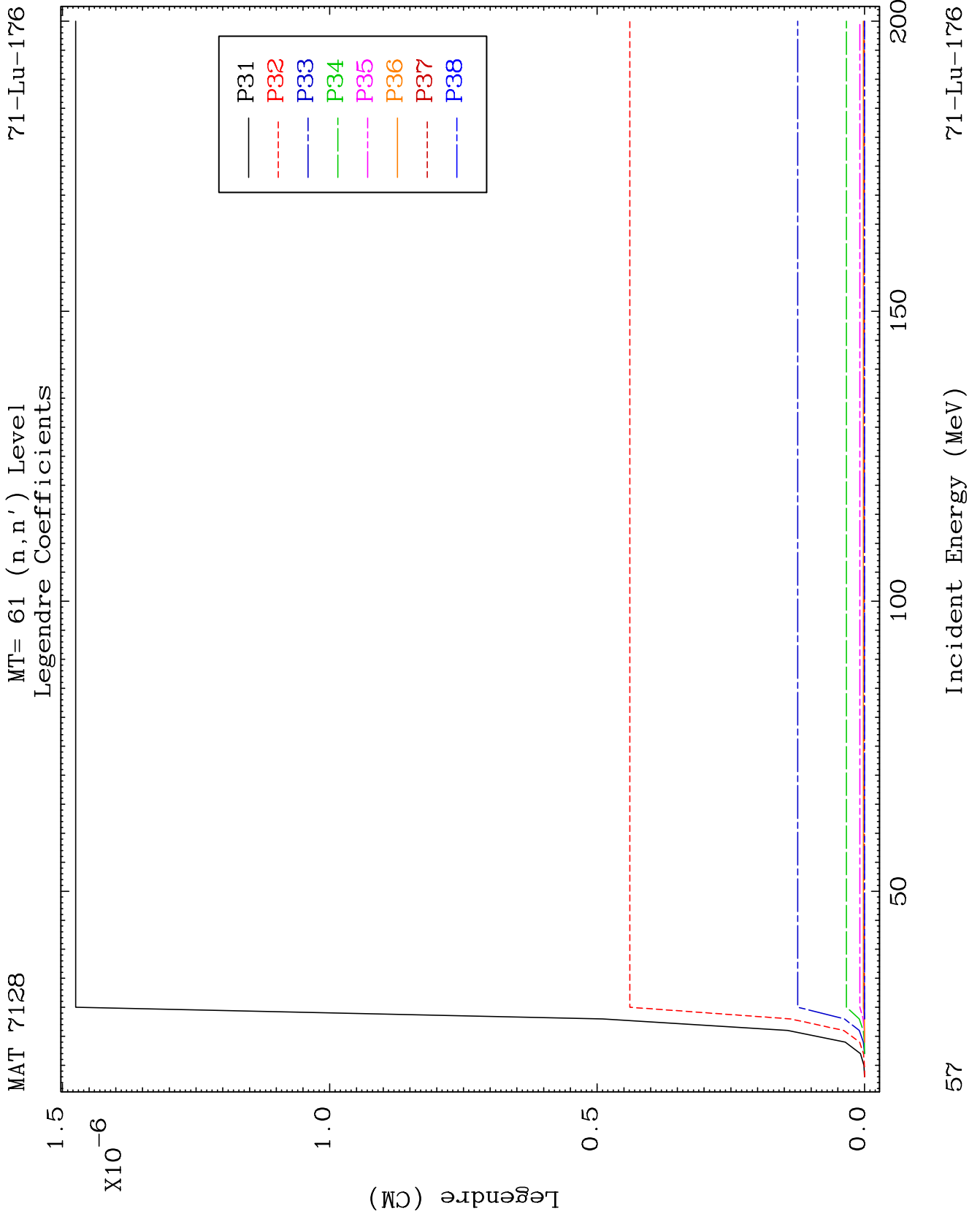
71-Lu-176



56

71-Lu-176

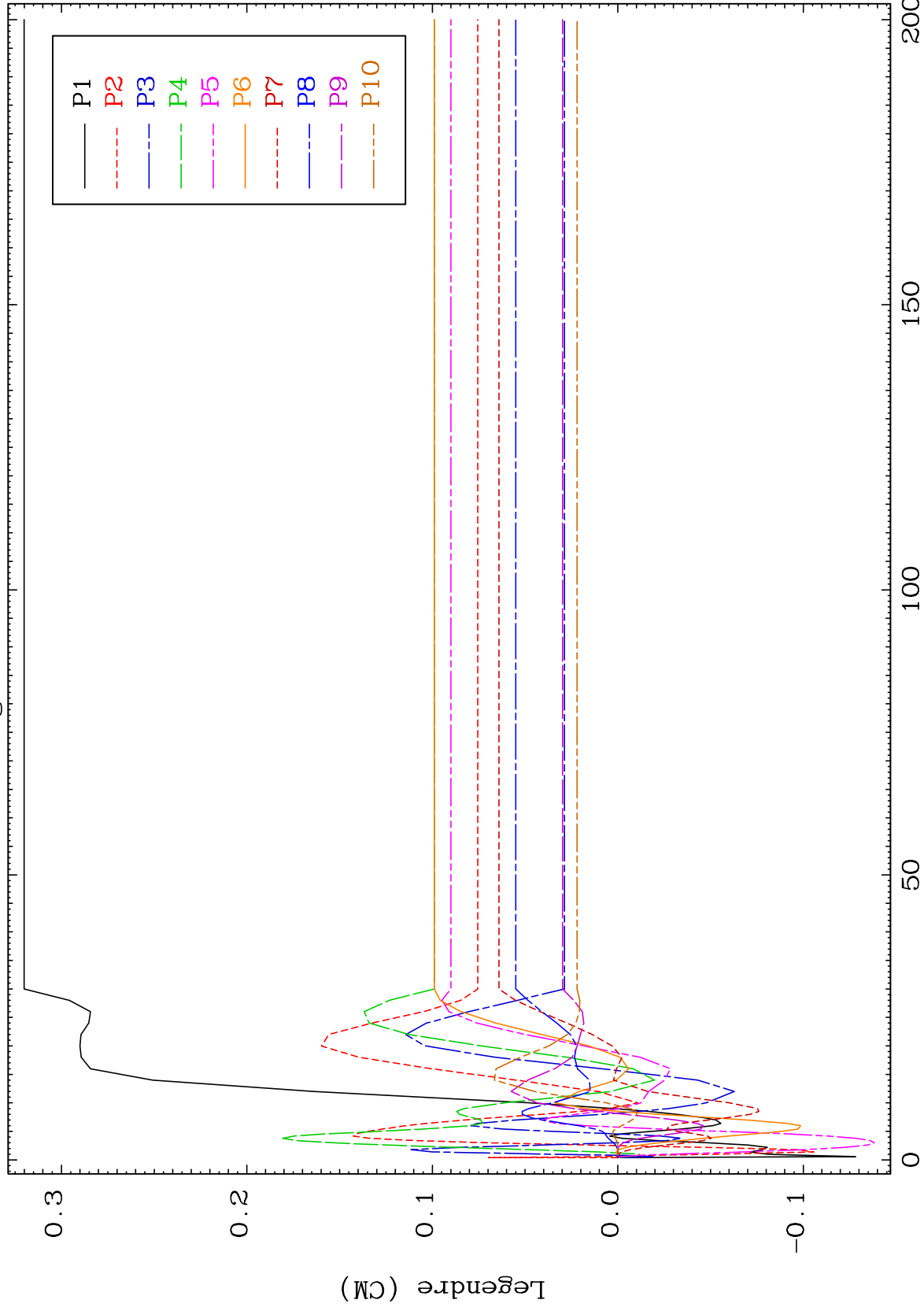
Incident Energy (MeV)



MAT 7128

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

71-Lu-176



58

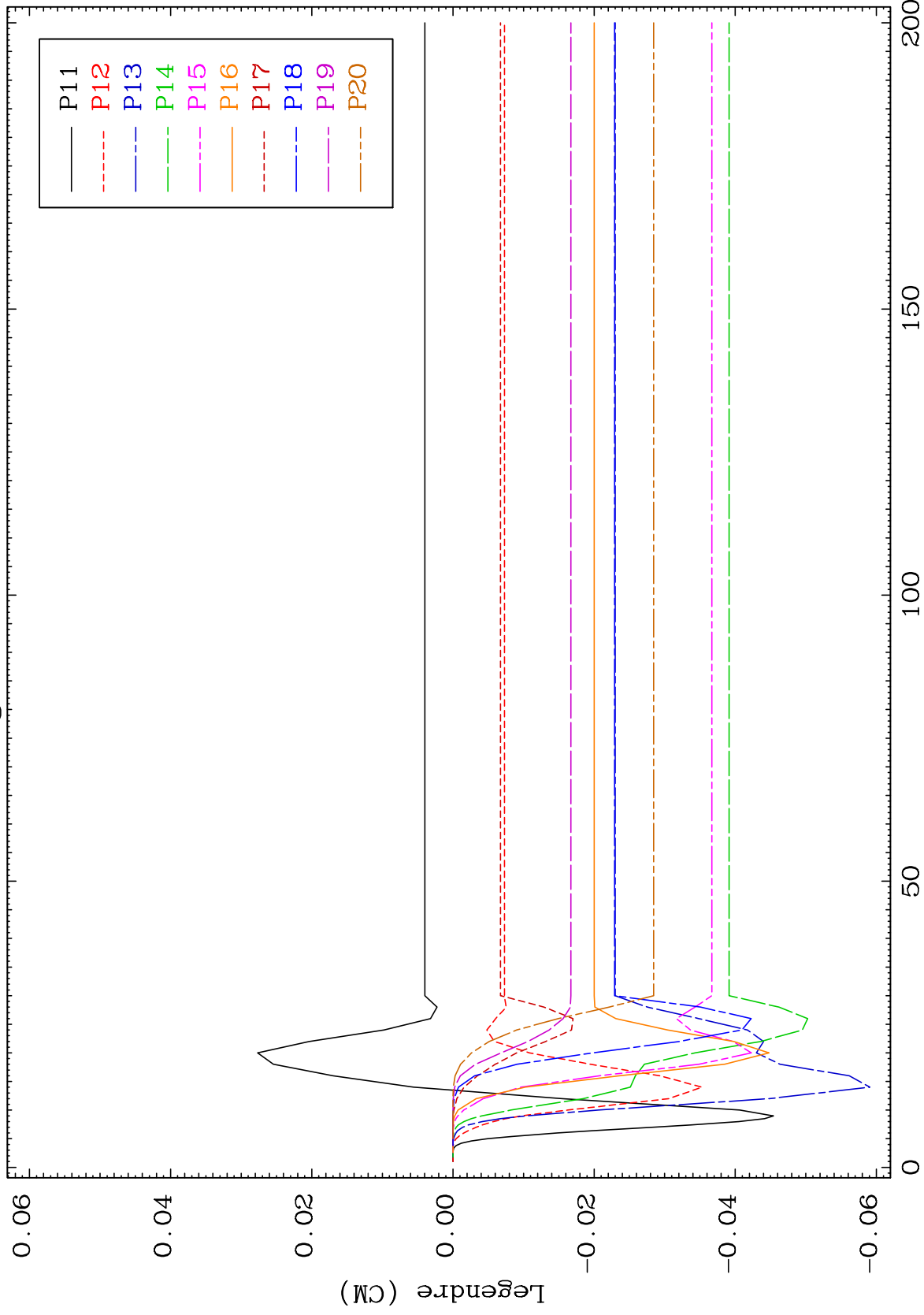
71-Lu-176

71-Lu-176

MAT 7128

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

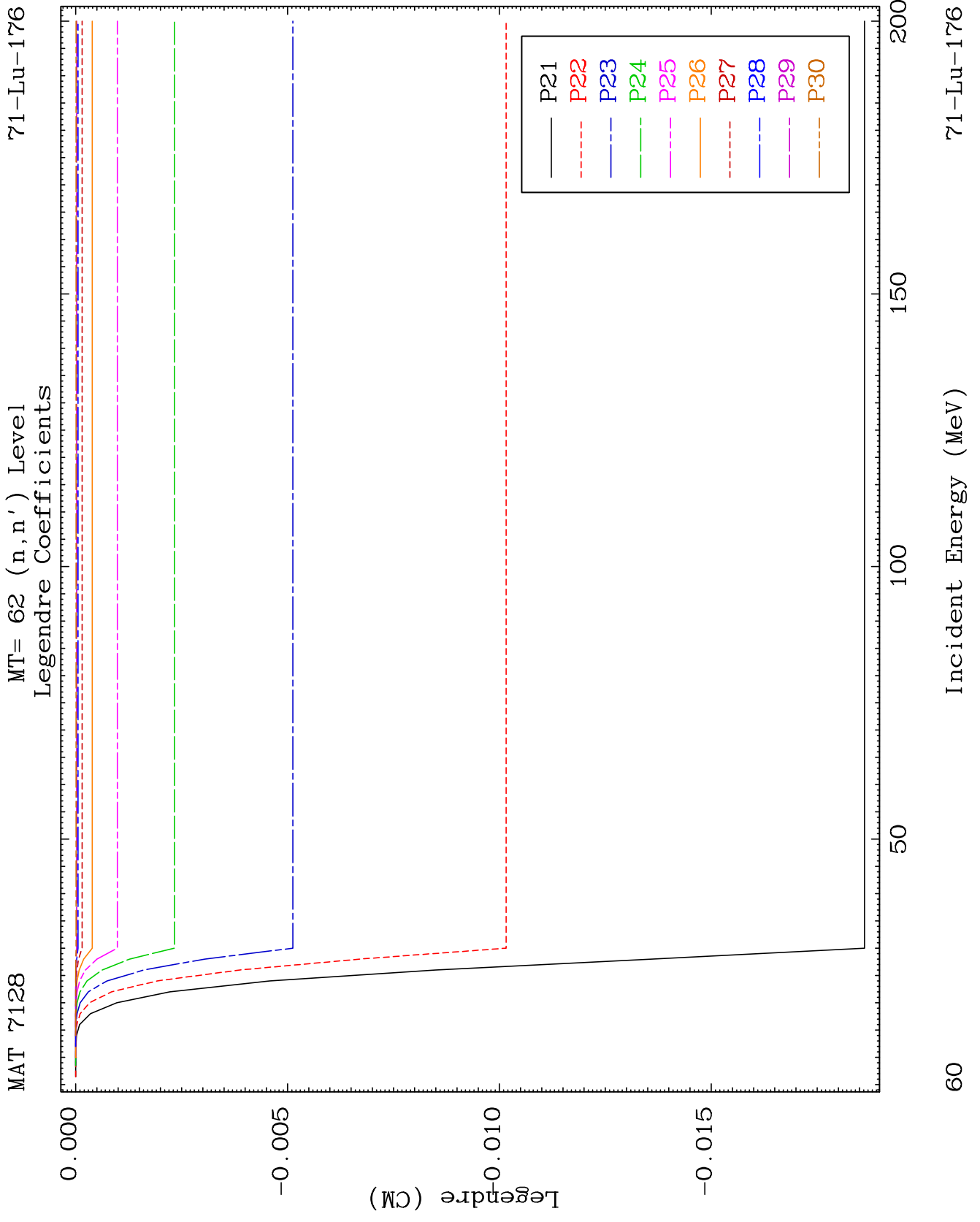
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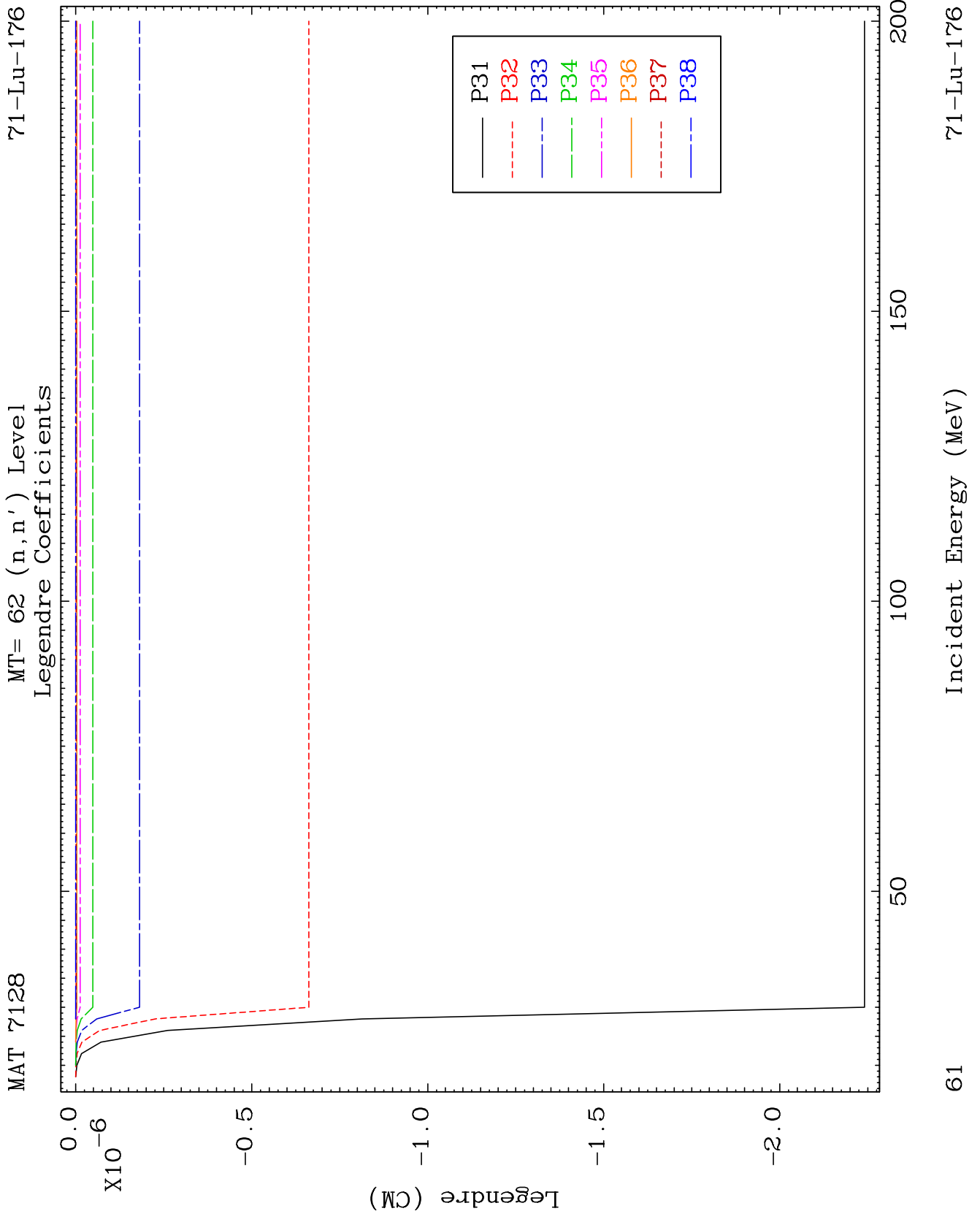


59

Incident Energy (MeV)

71-Lu-176

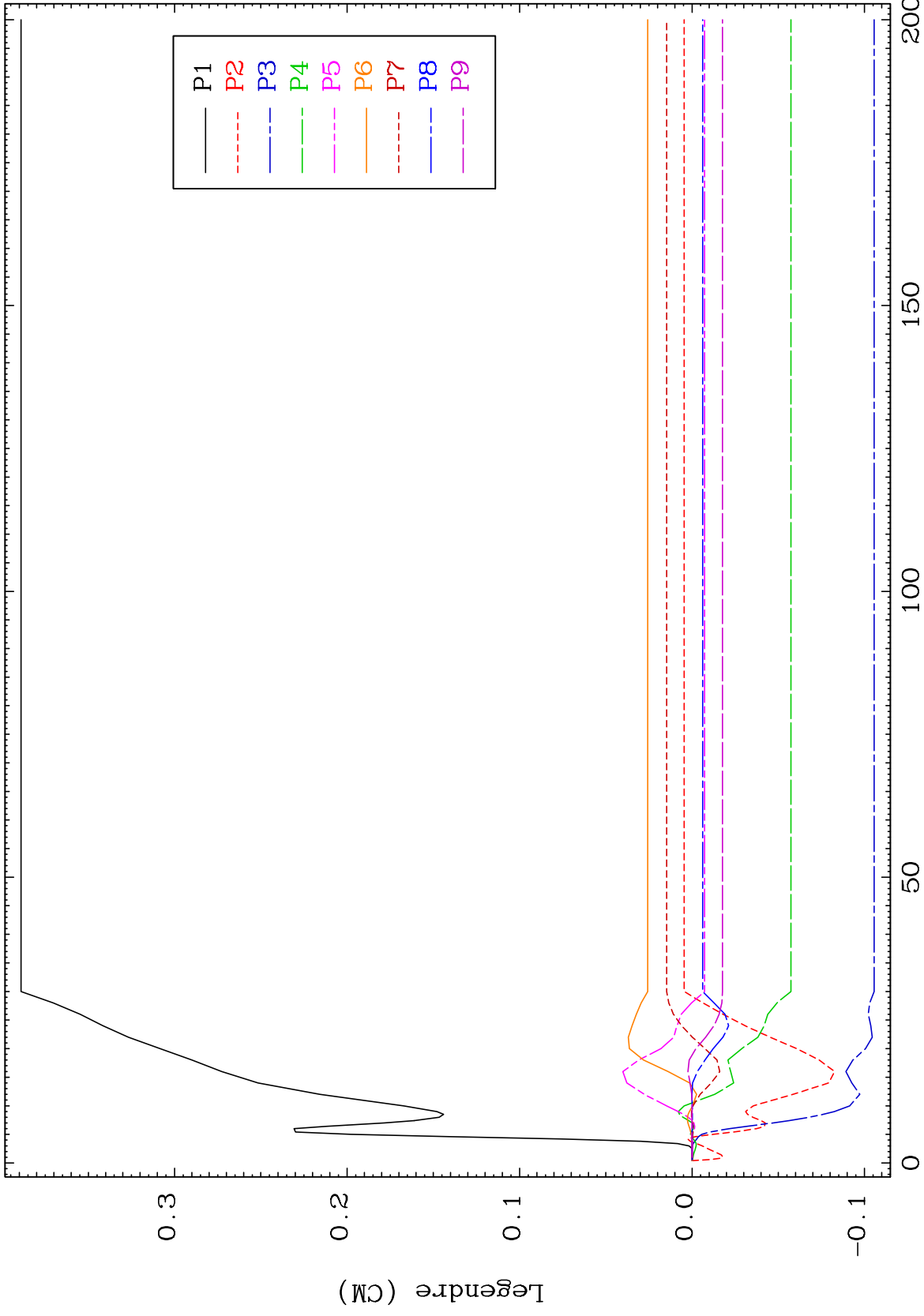




MAT 7128

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

71-Lu-176



62

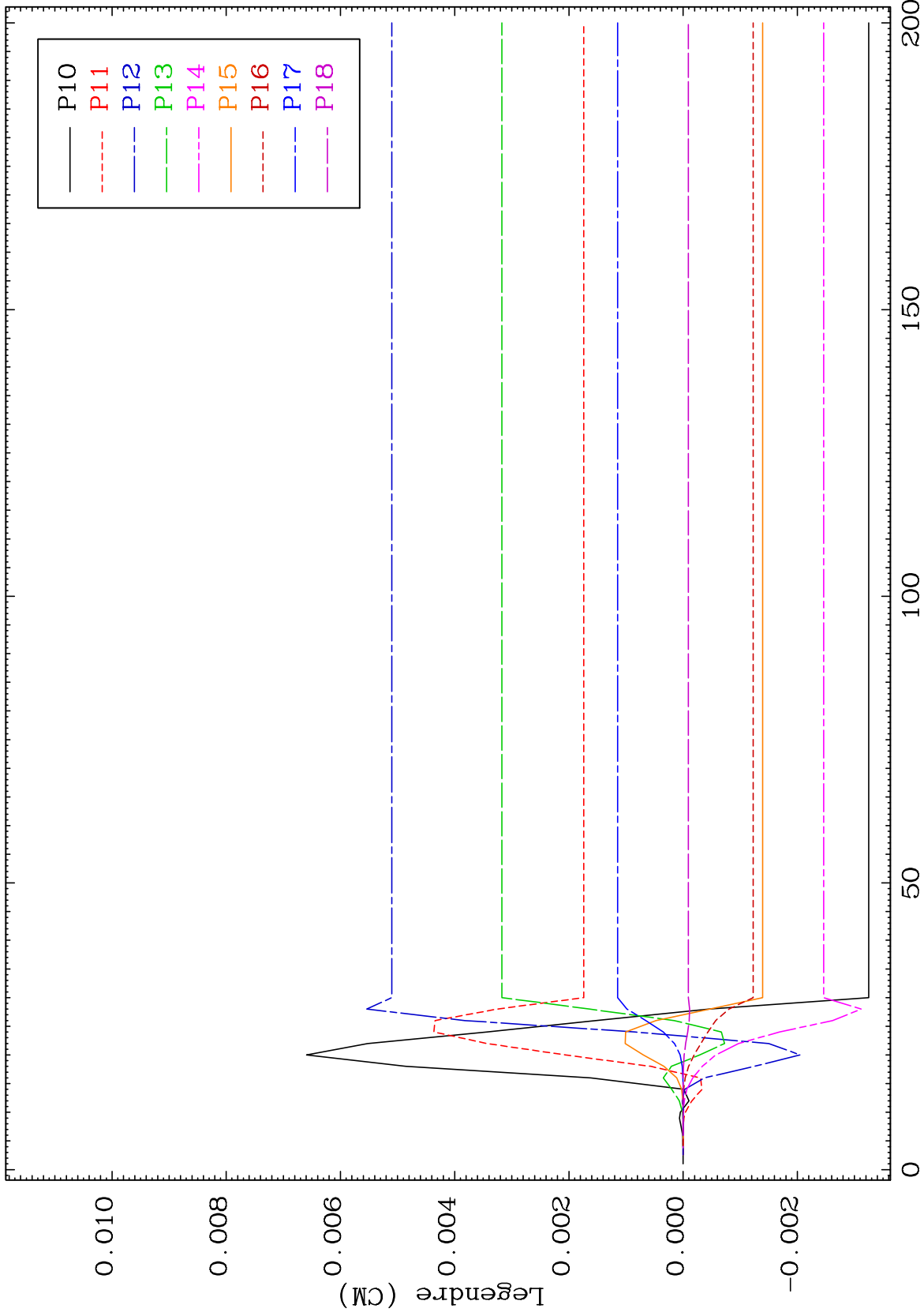
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



63

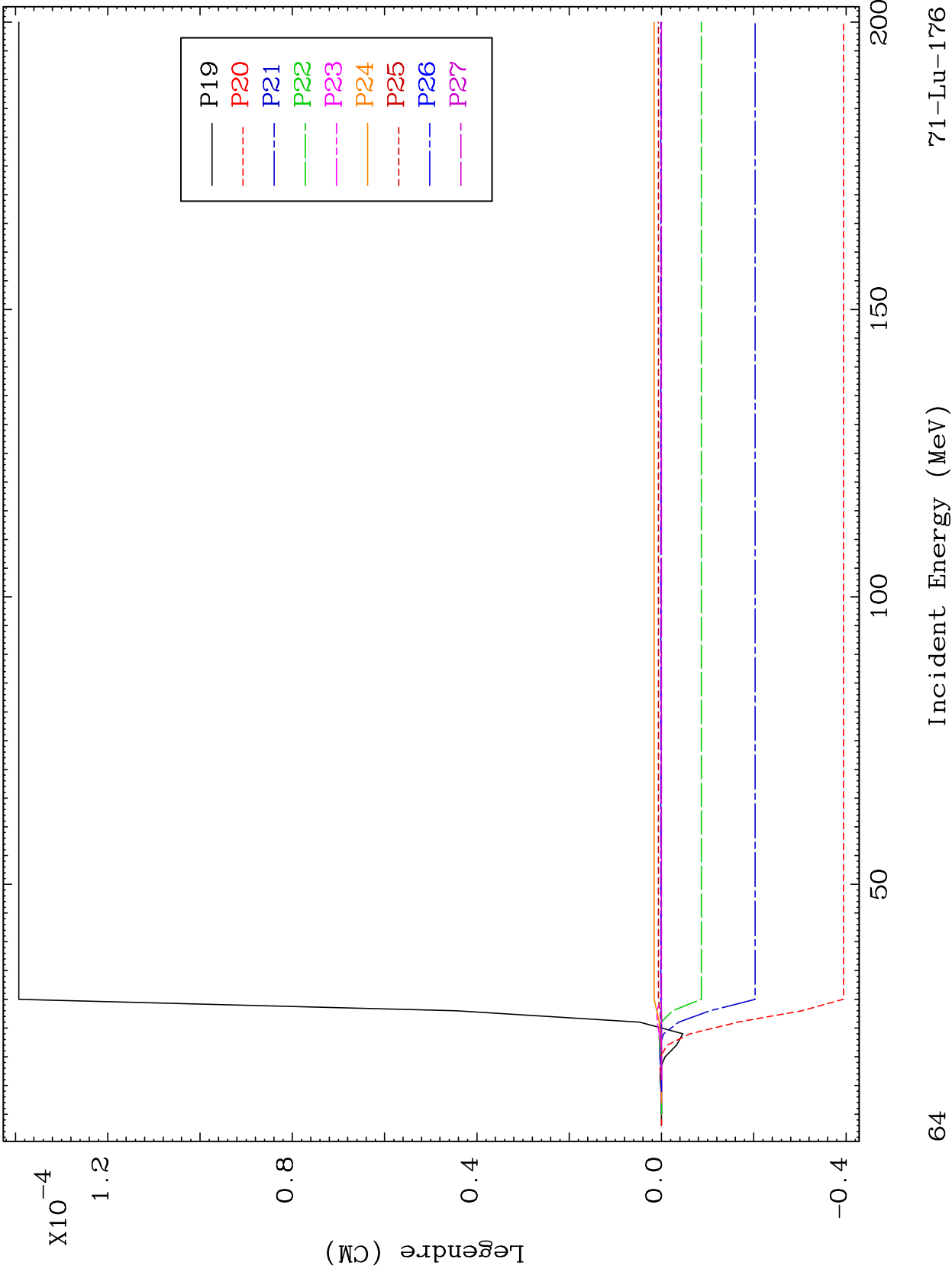
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



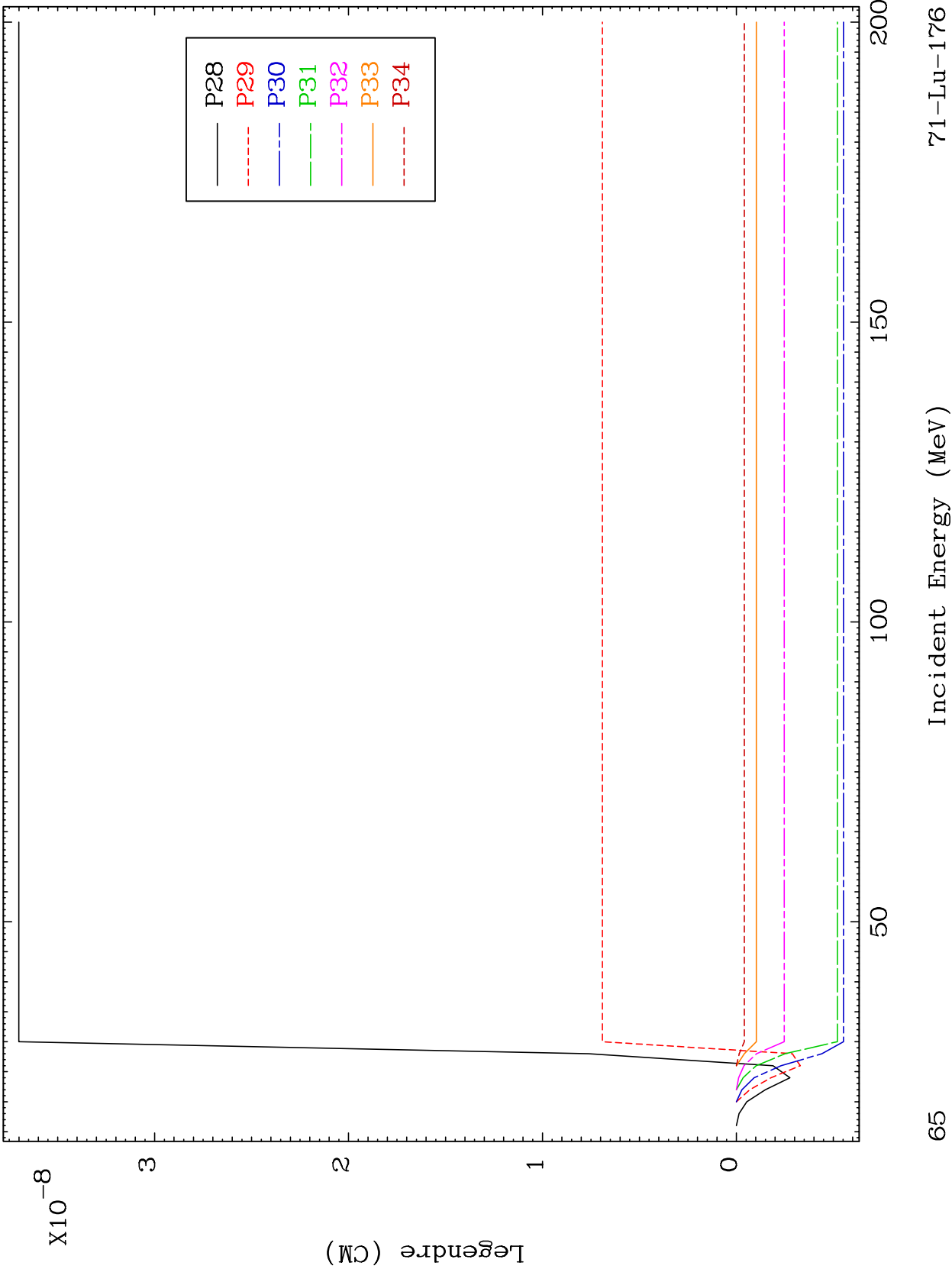
64

71-Lu-176

MAT 7128

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

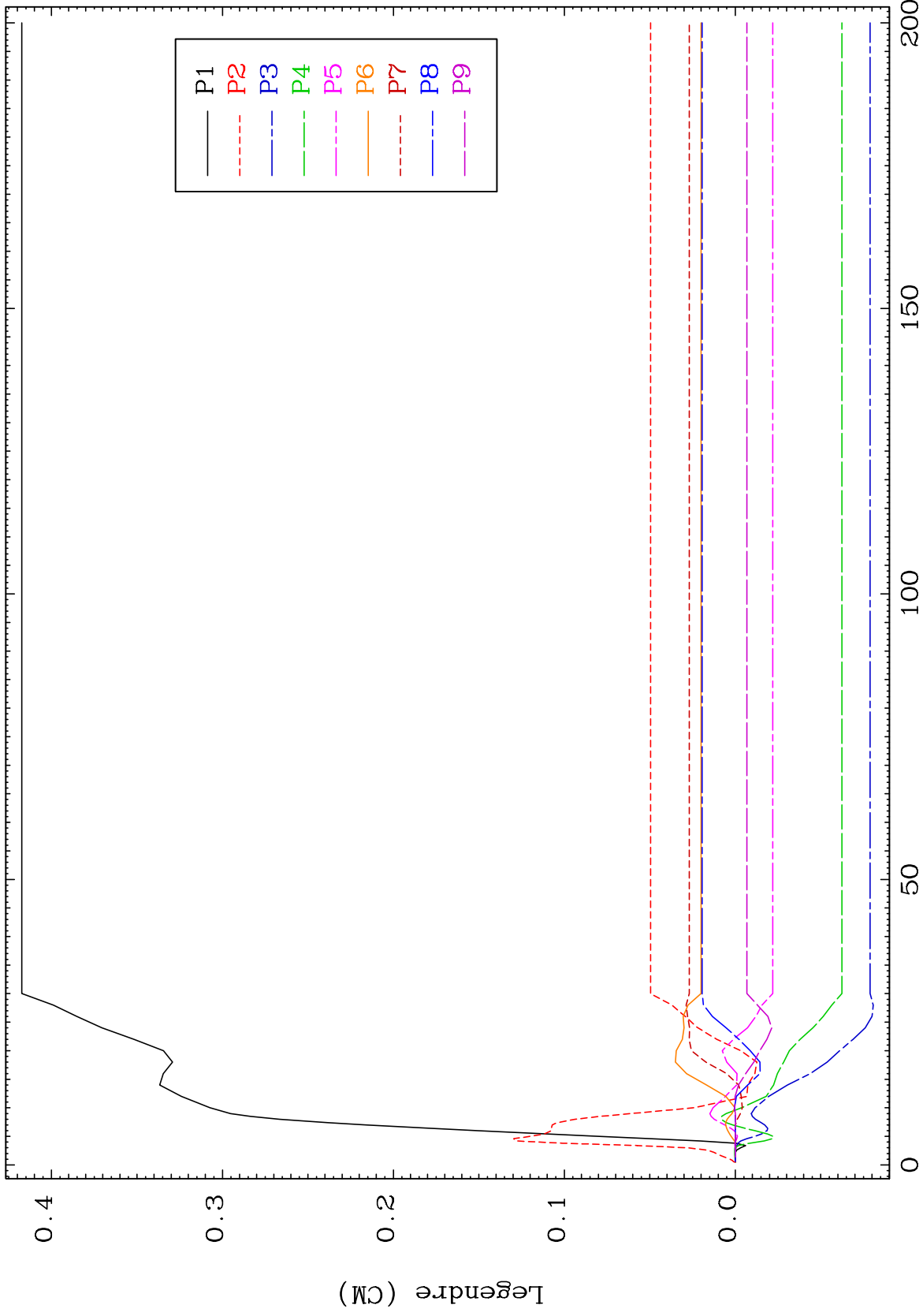
71-Lu-176



65

Incident Energy (MeV)

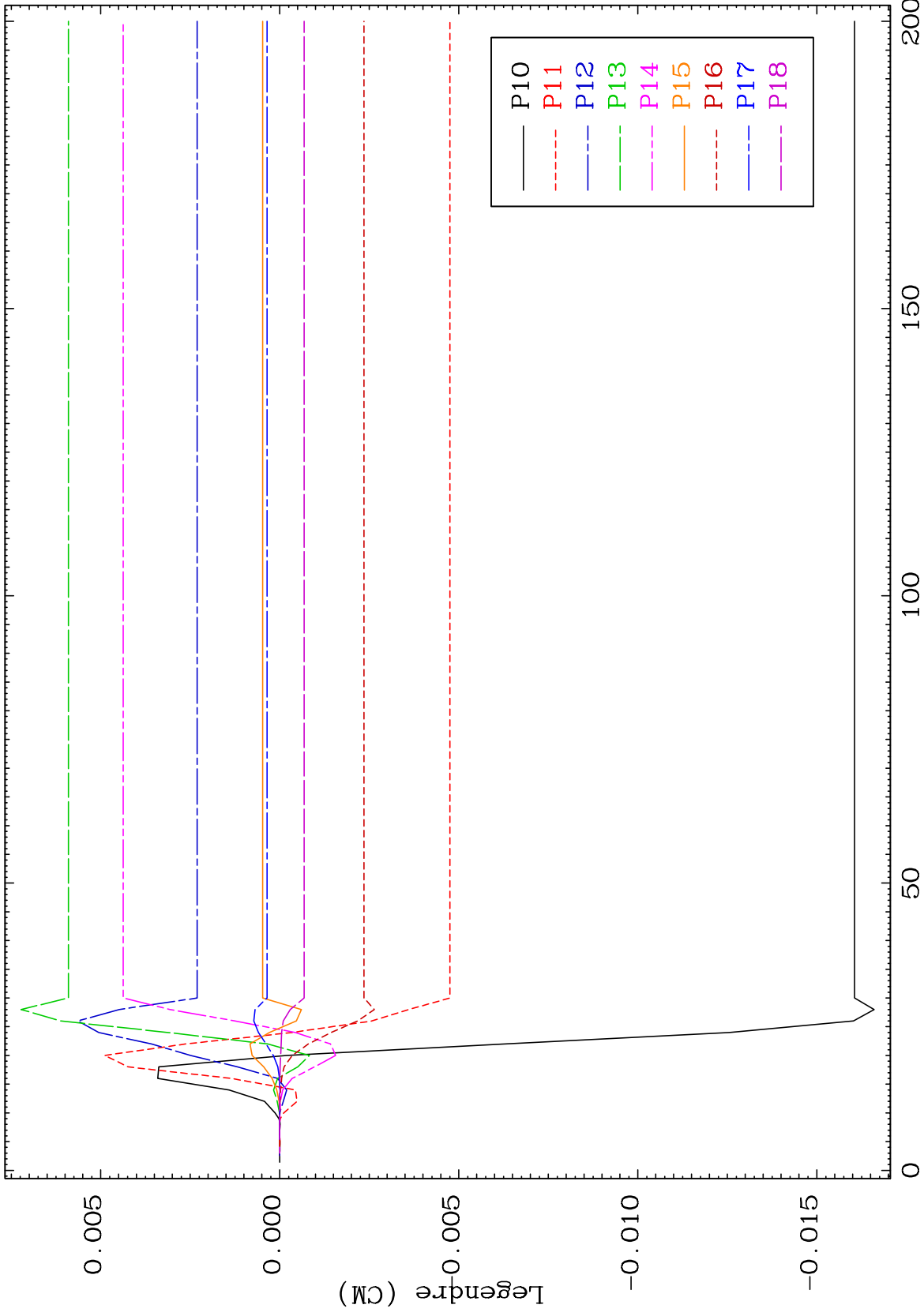
71-Lu-176



MAT 7128

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

71-Lu-176



67

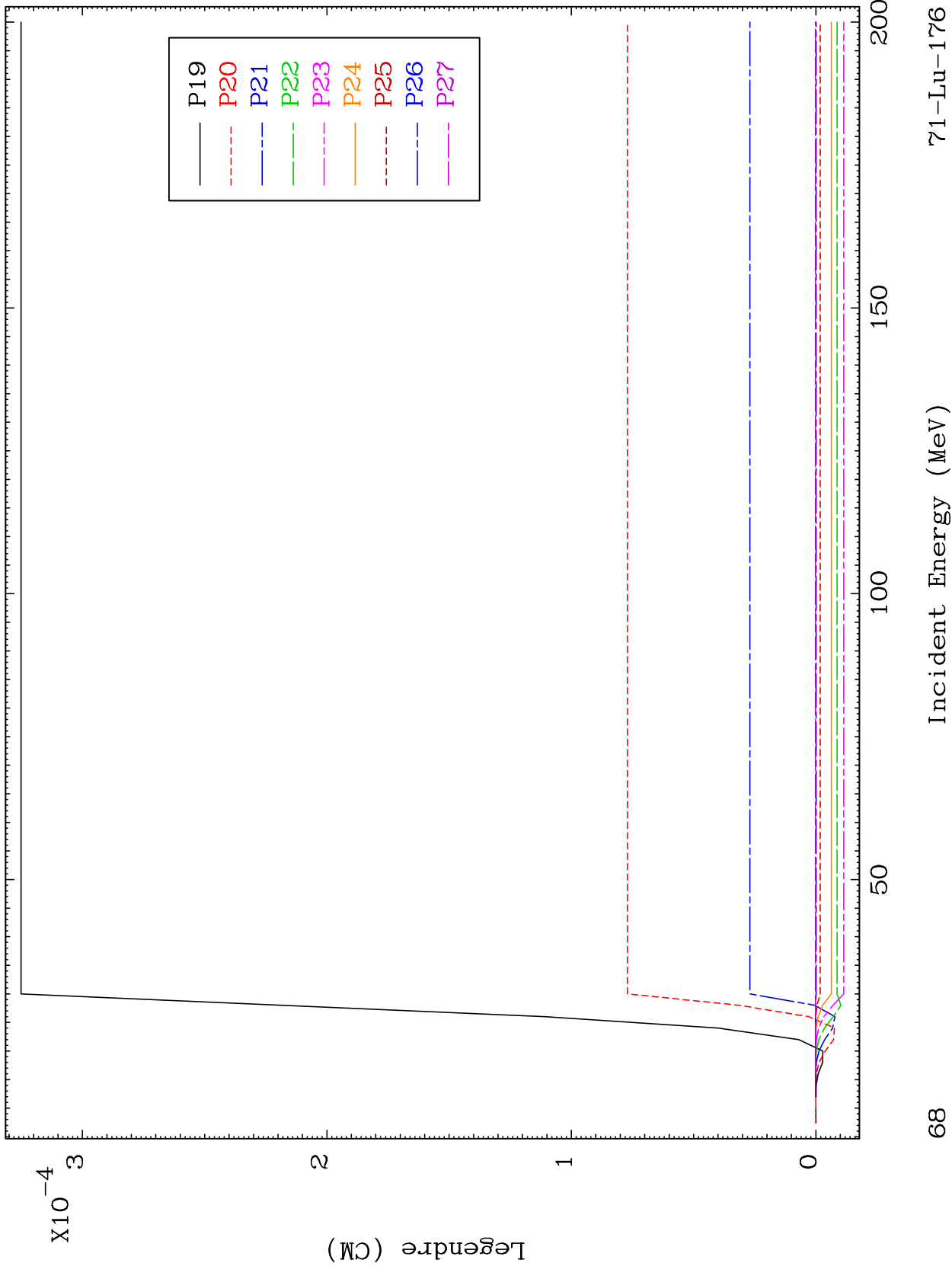
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

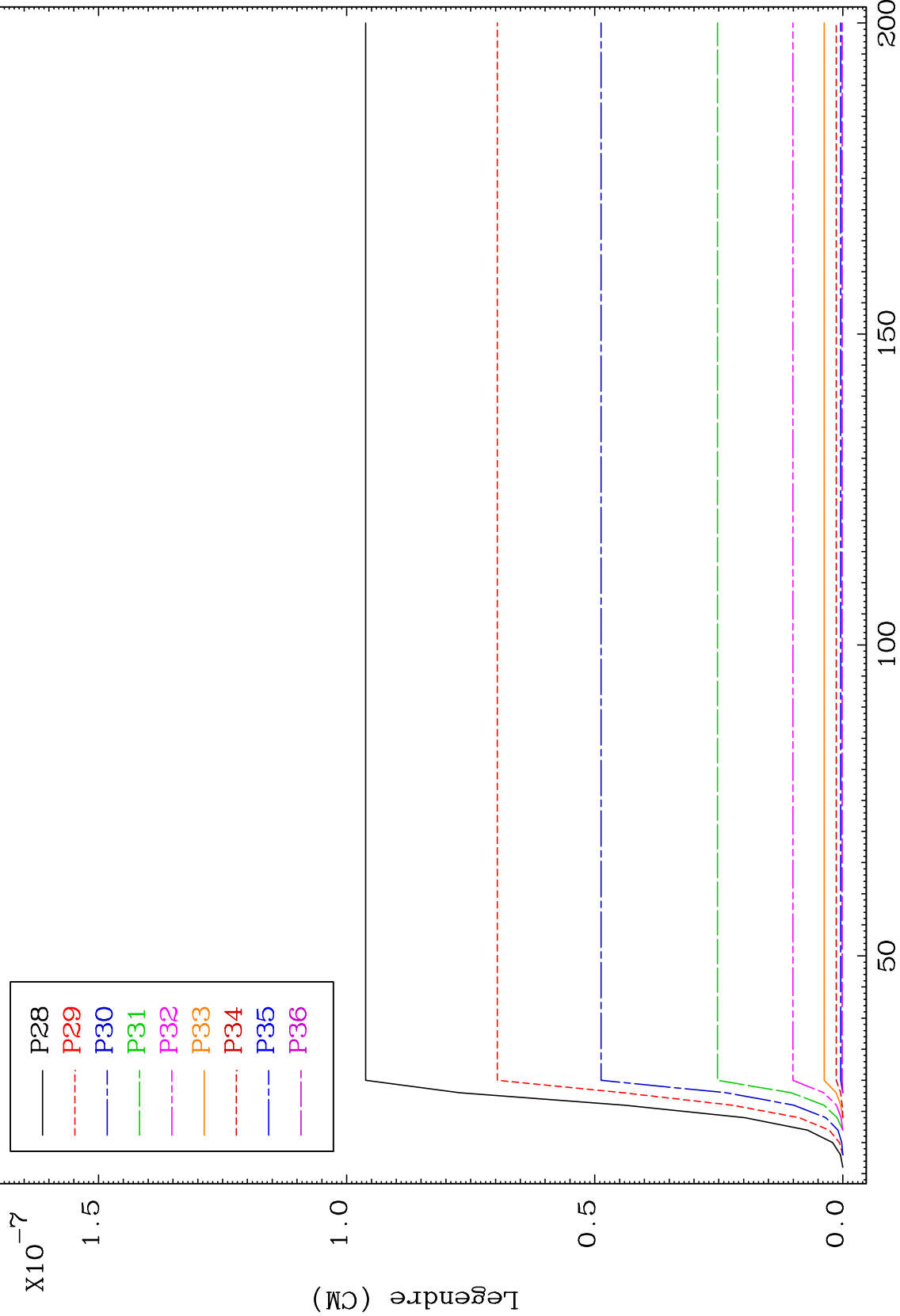
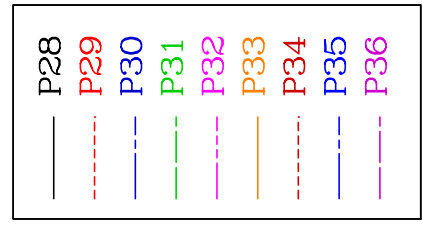
71-Lu-176



MAT 7128

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

71-Lu-176



69

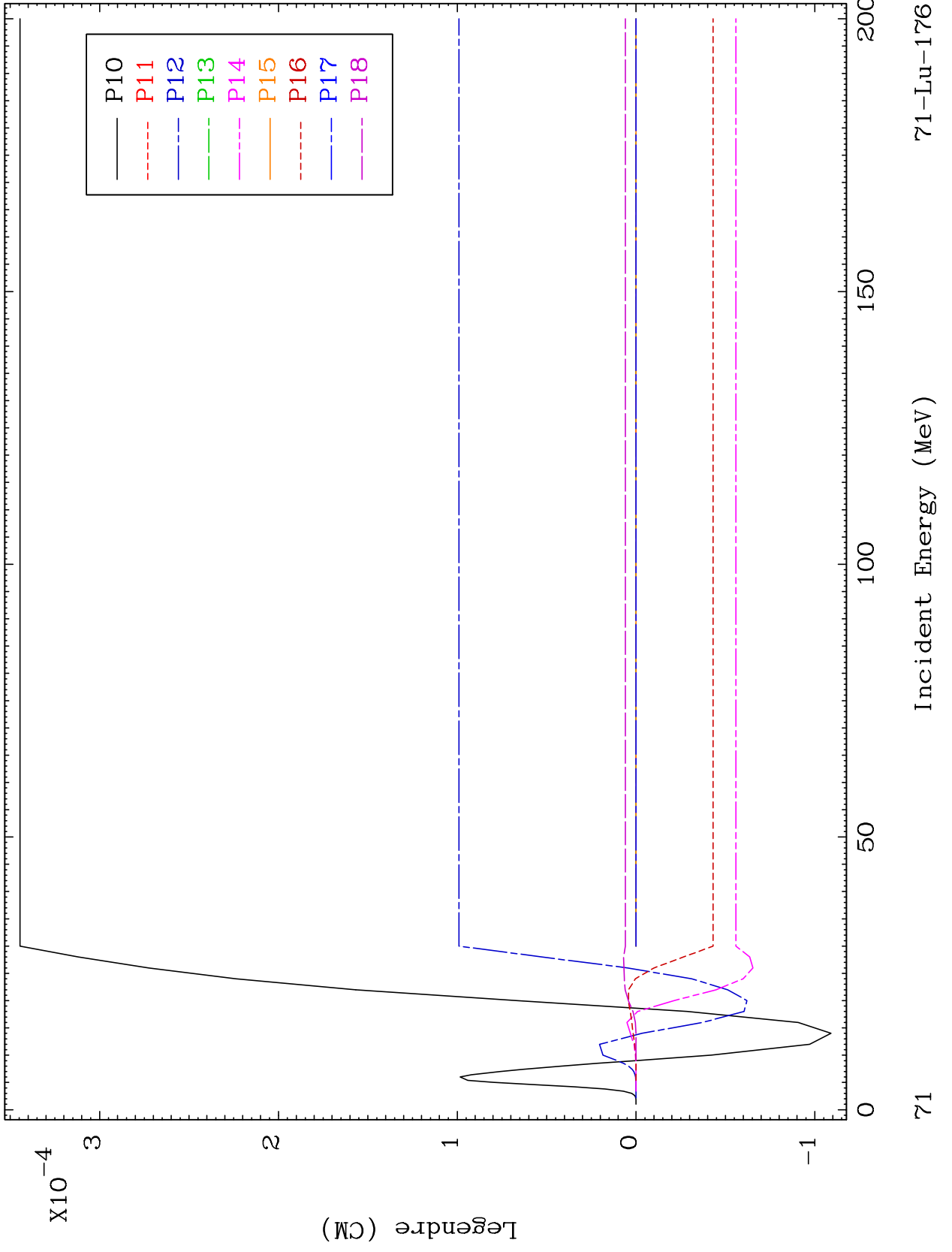
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71

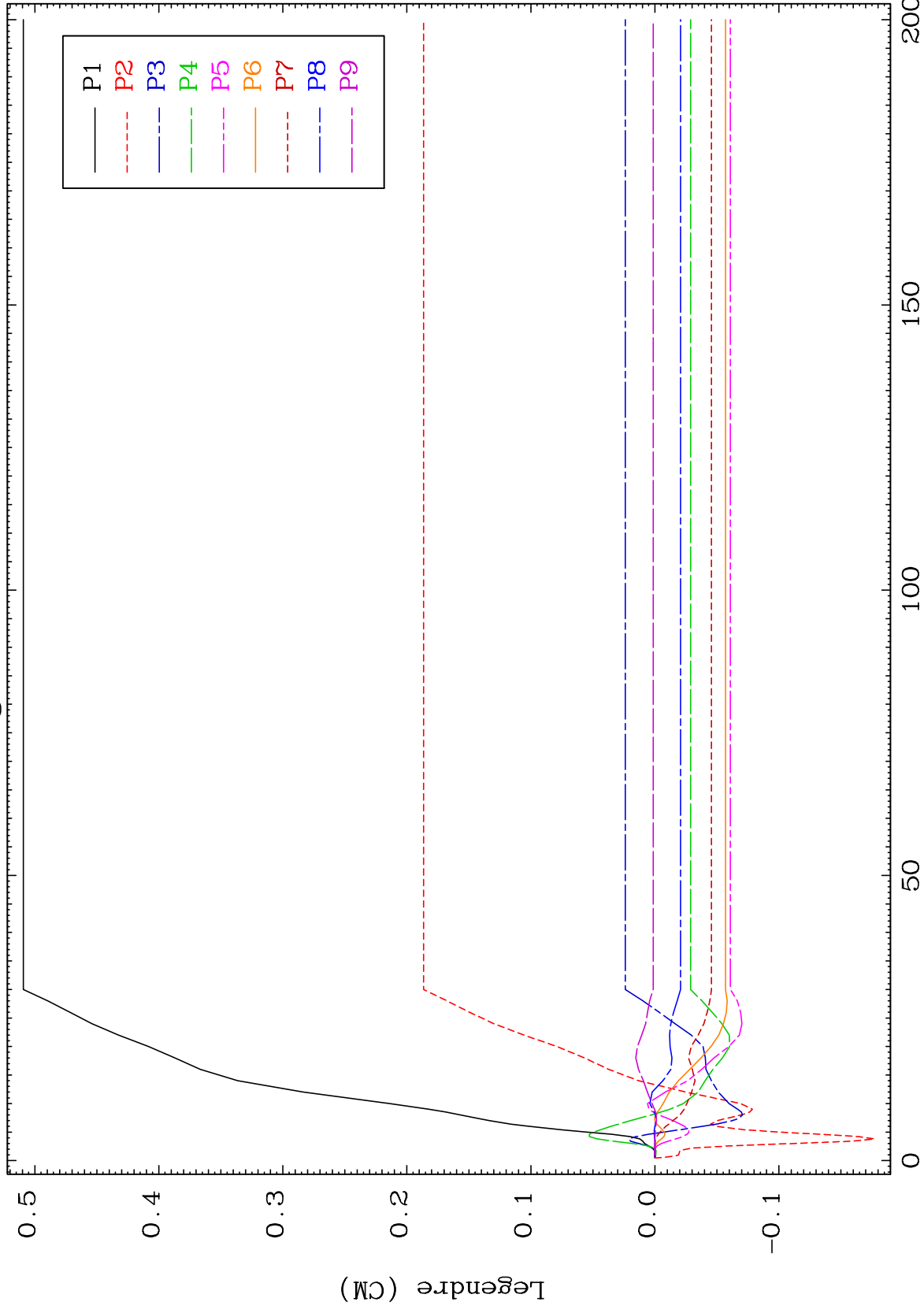
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



73

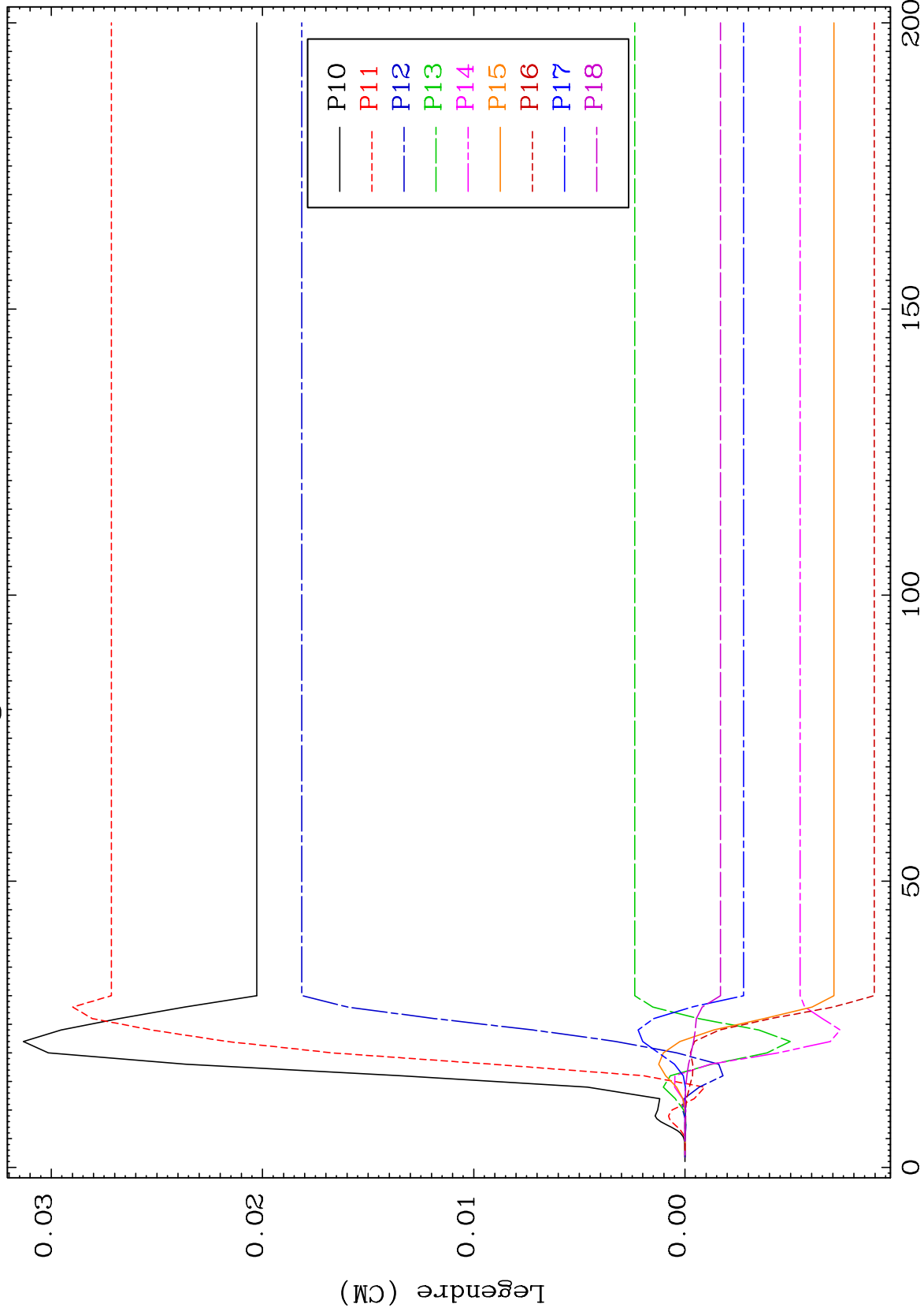
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



74

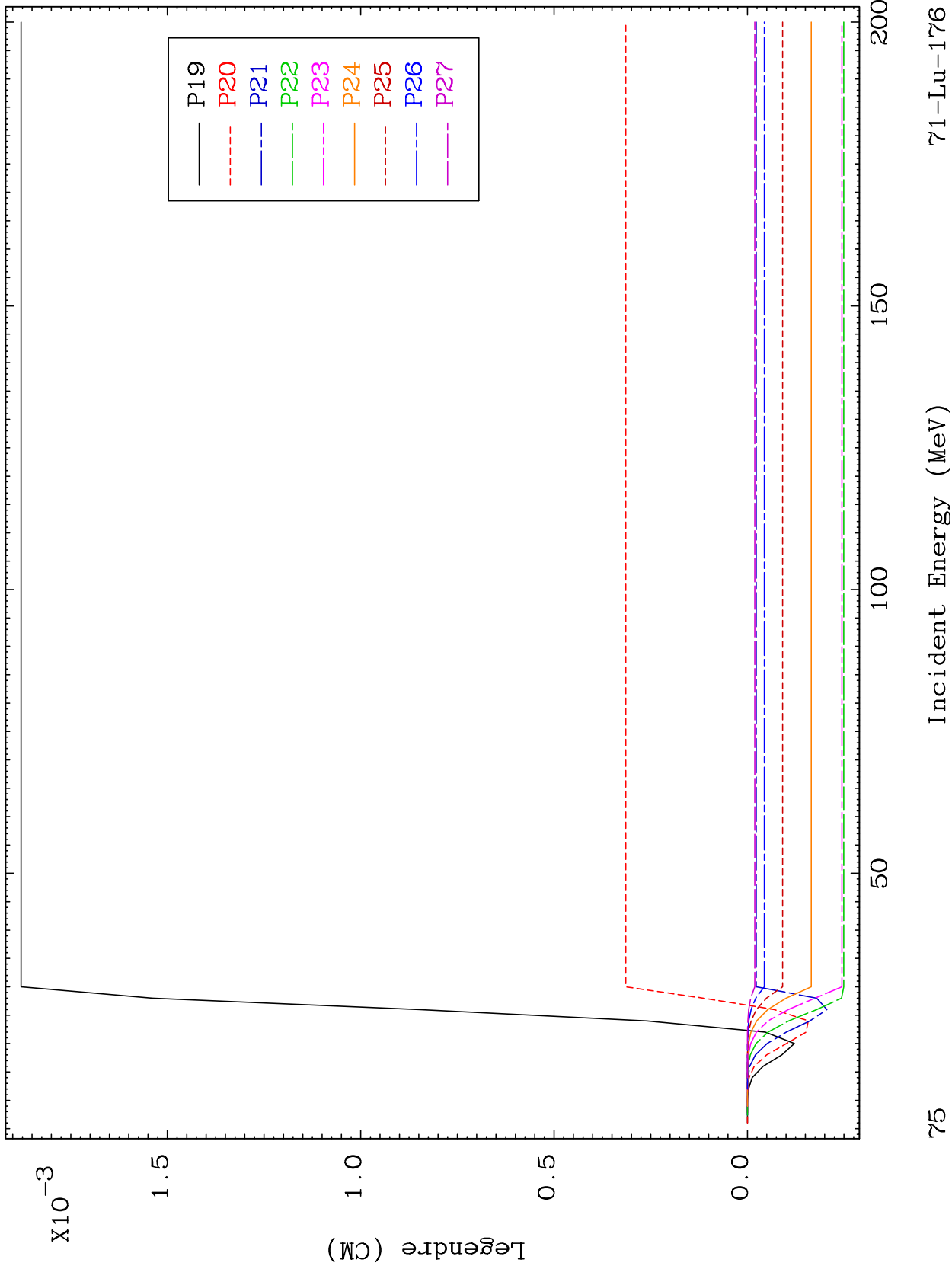
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

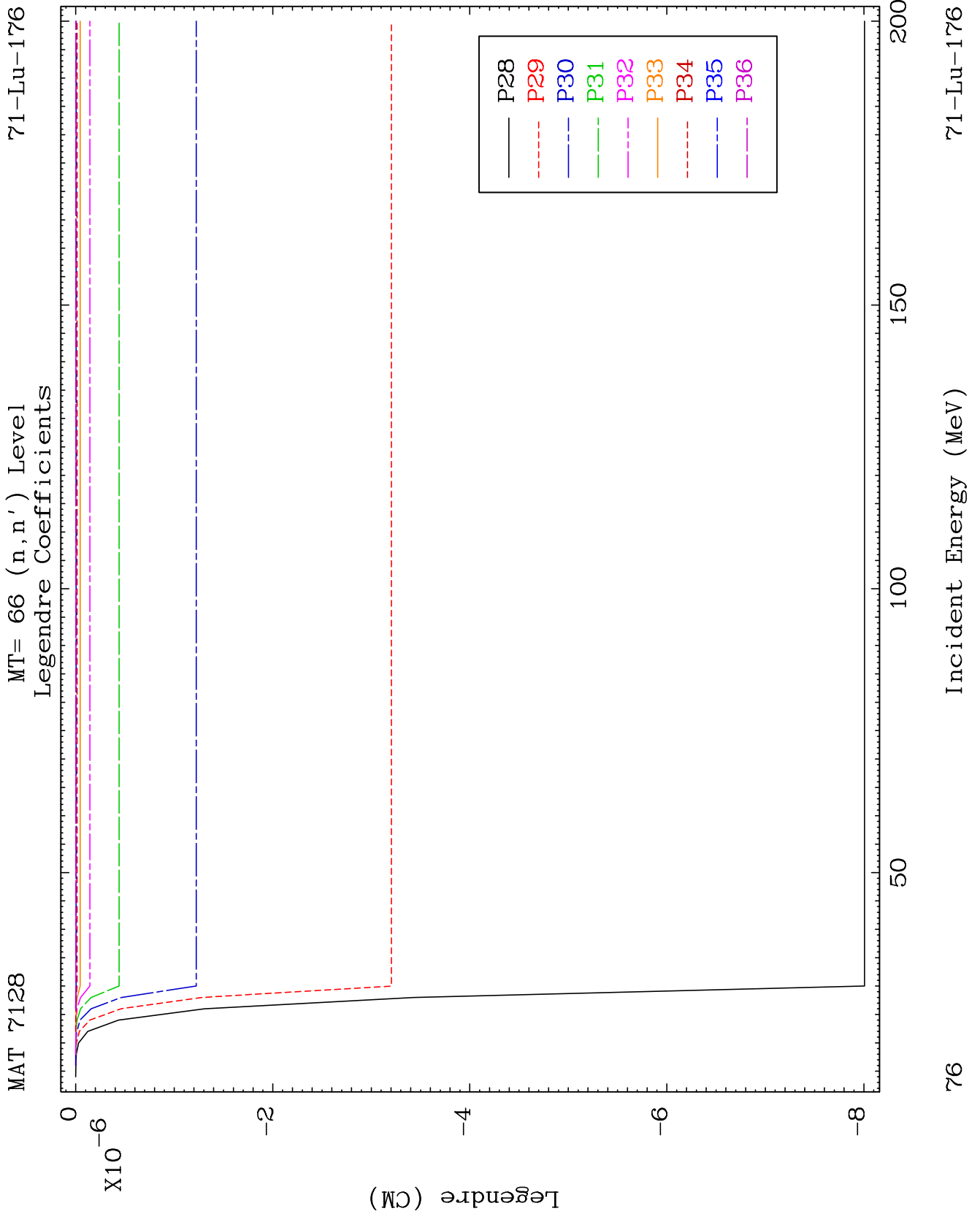
71-Lu-176



75

Incident Energy (MeV)

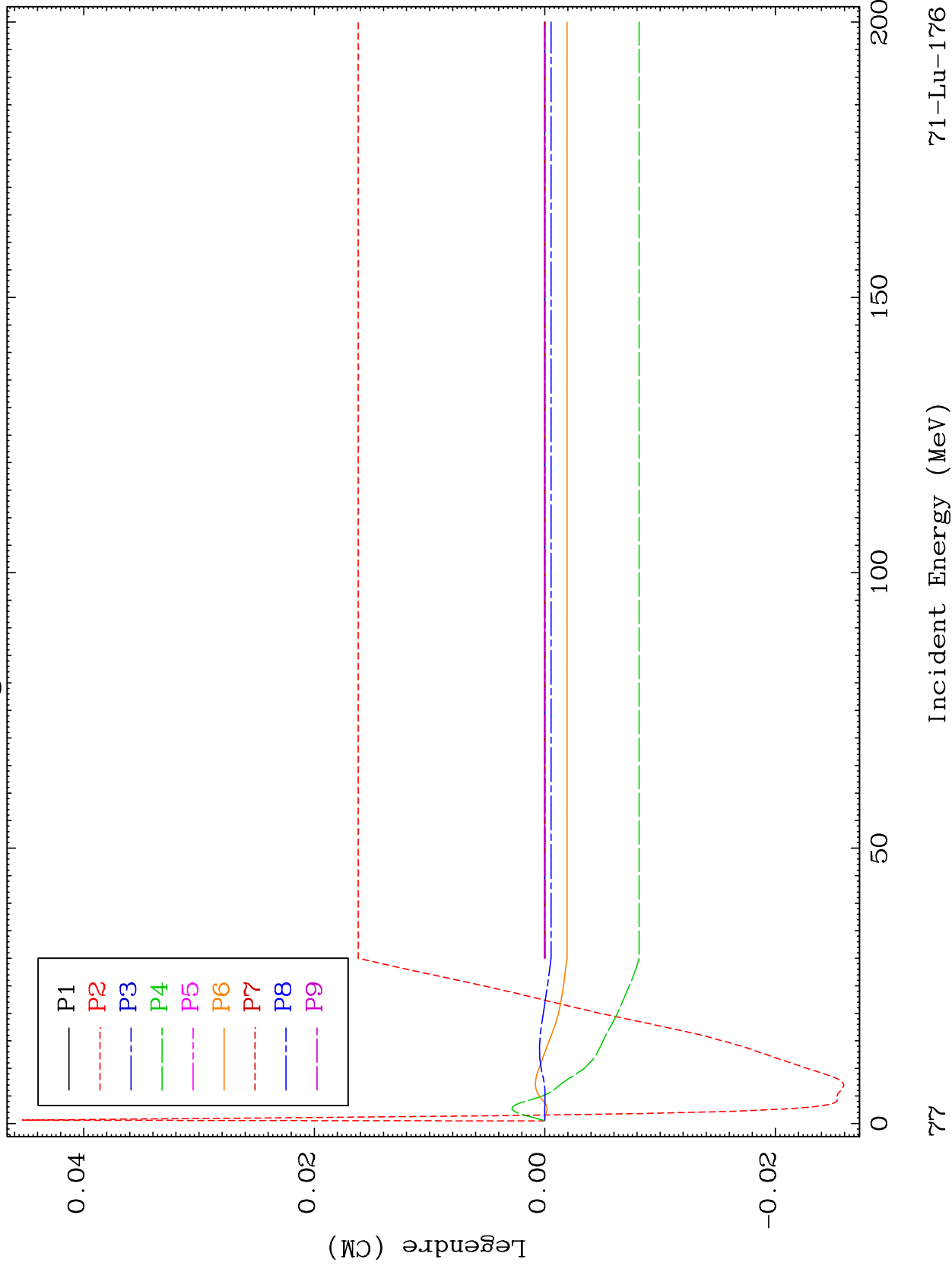
71-Lu-176



MAT 7128

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

71-Lu-176



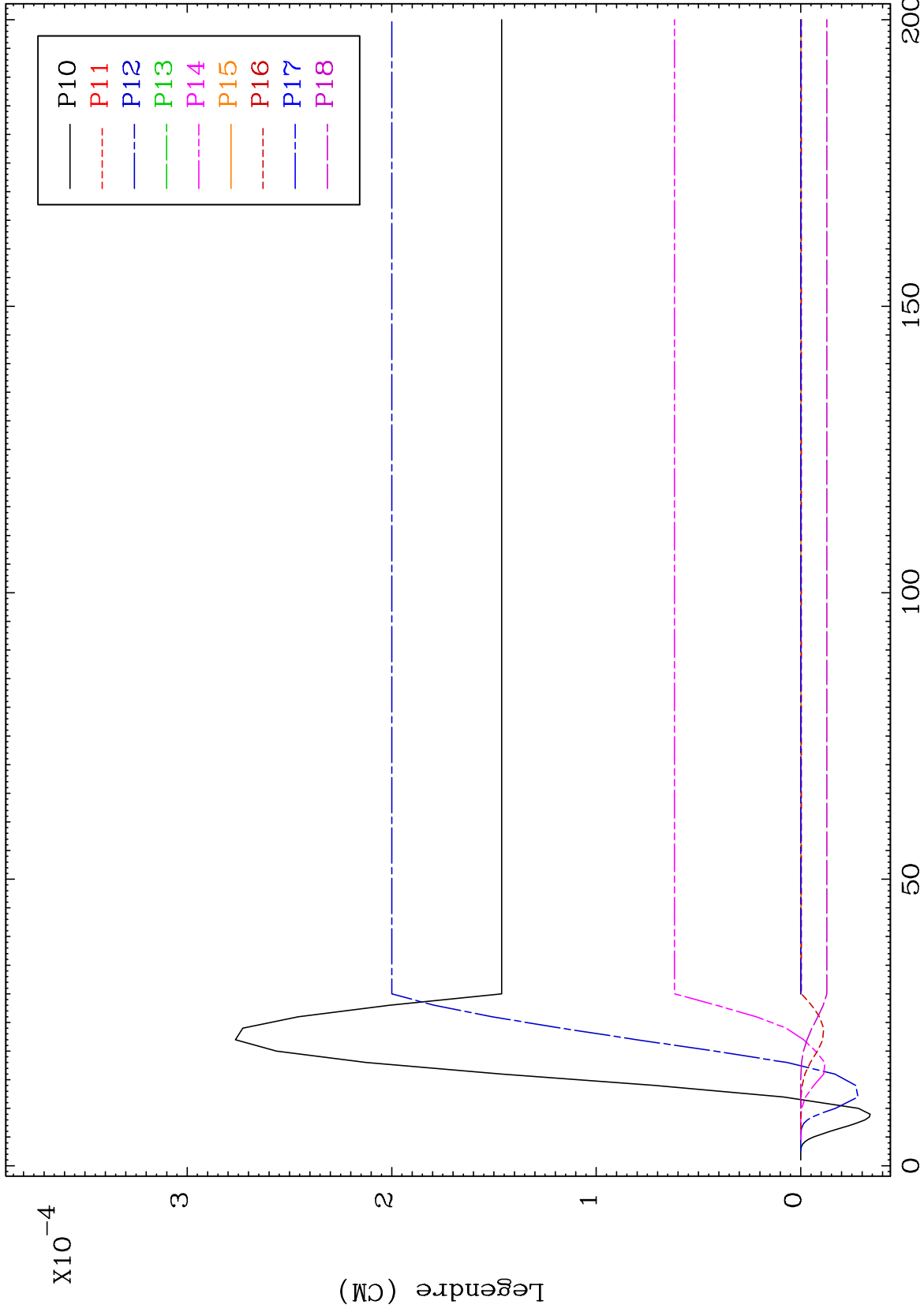
77

71-Lu-176

MAT 7128

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

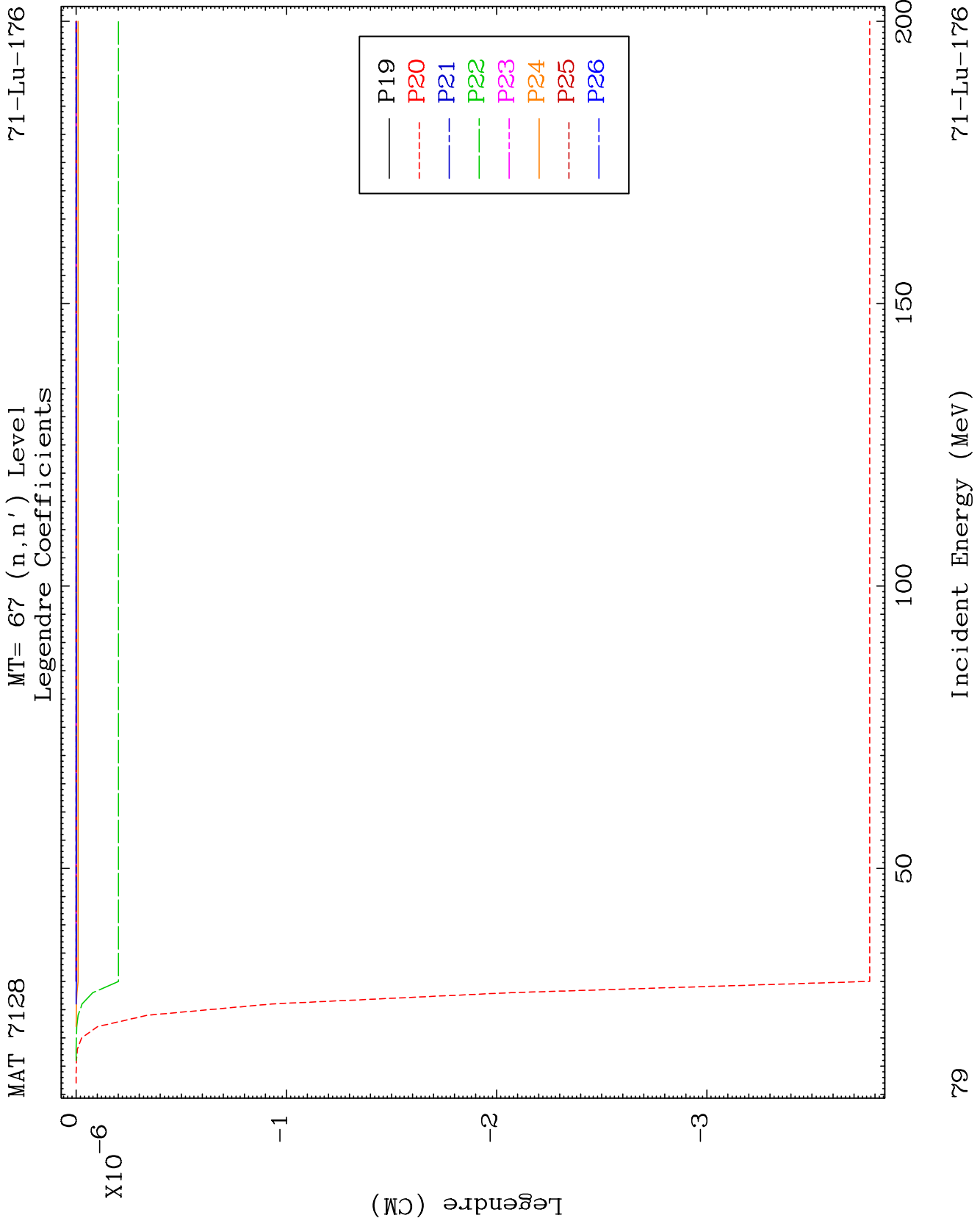
71-Lu-176

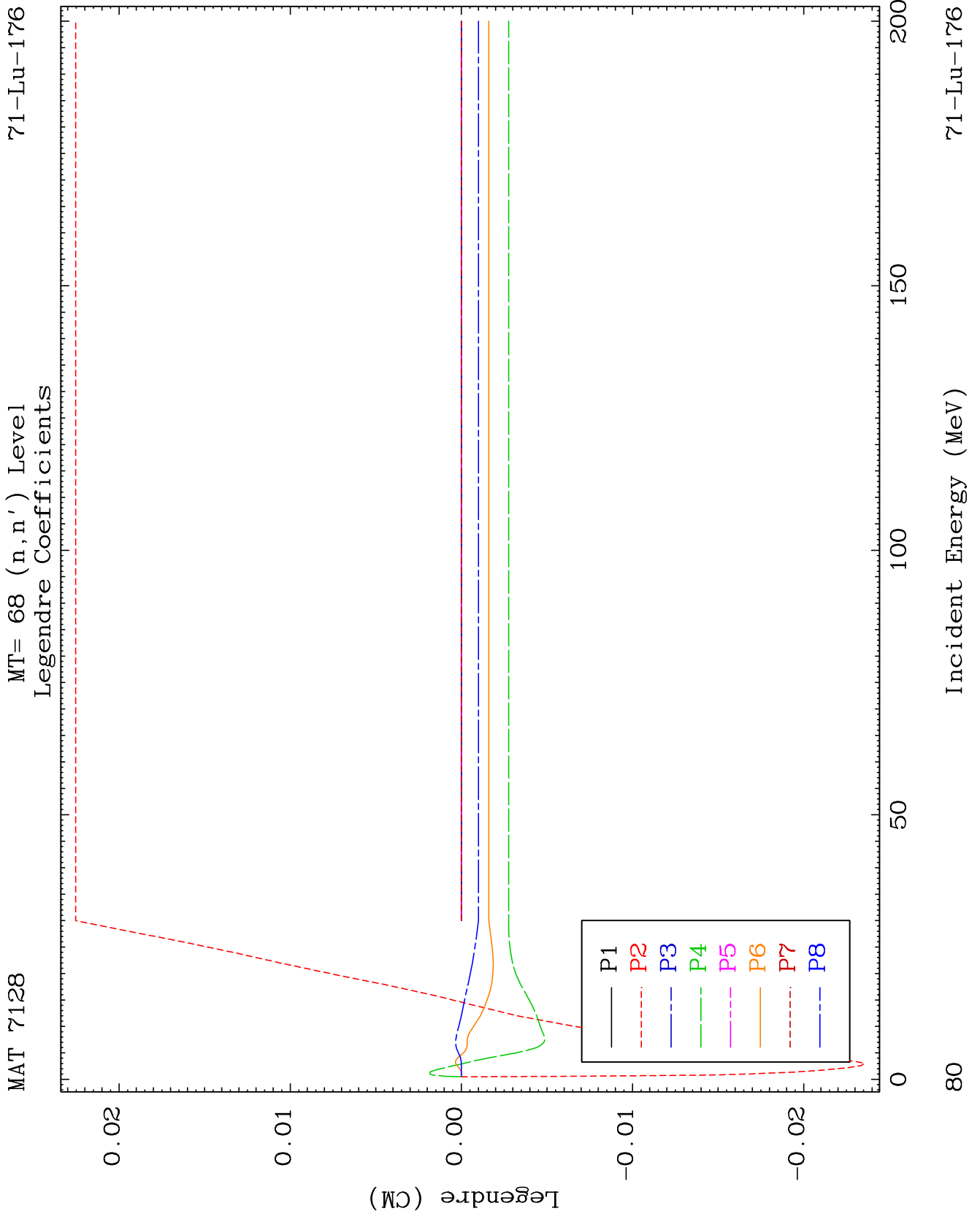


78

71-Lu-176

71-Lu-176

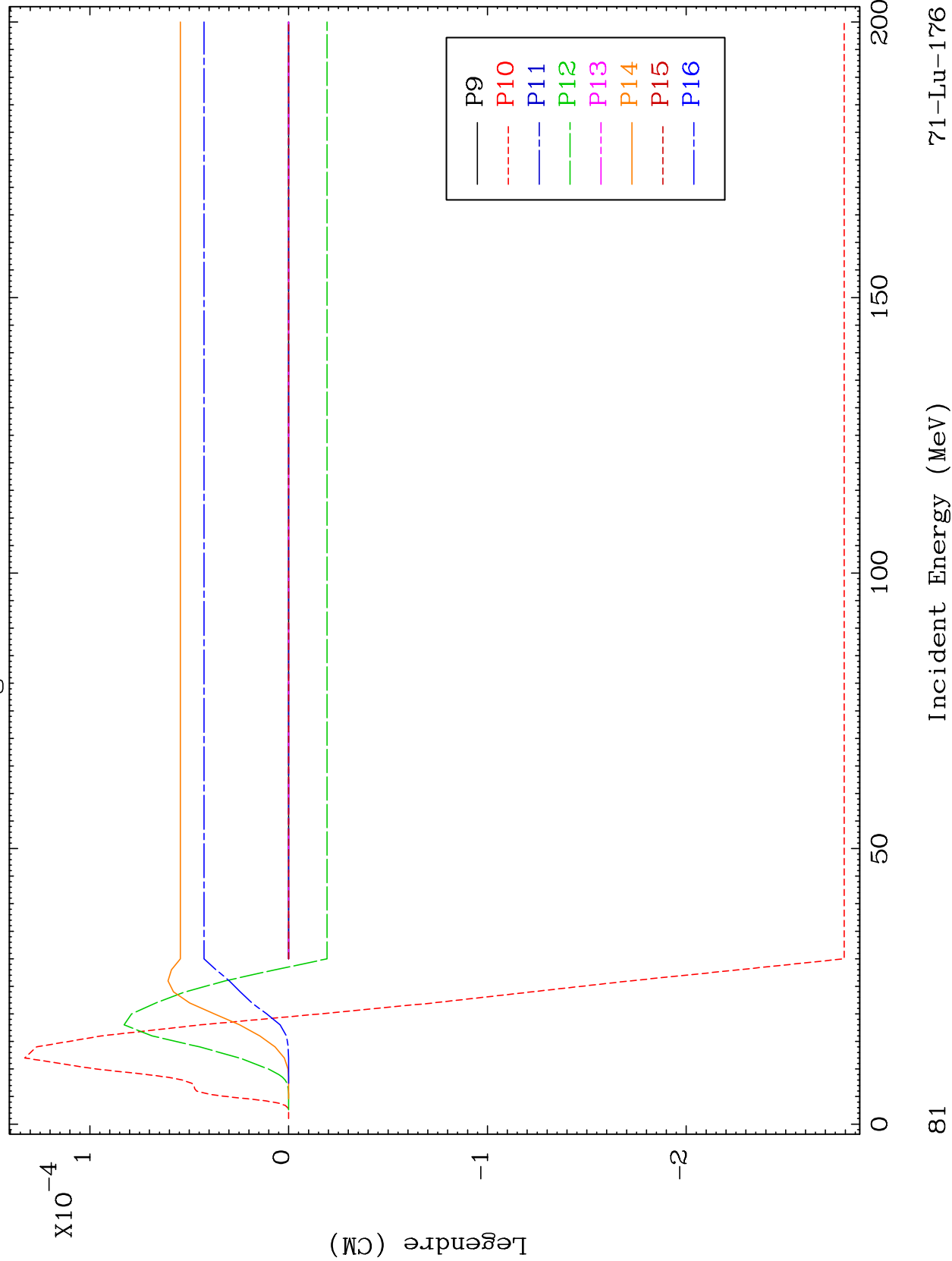




MAT 7128

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

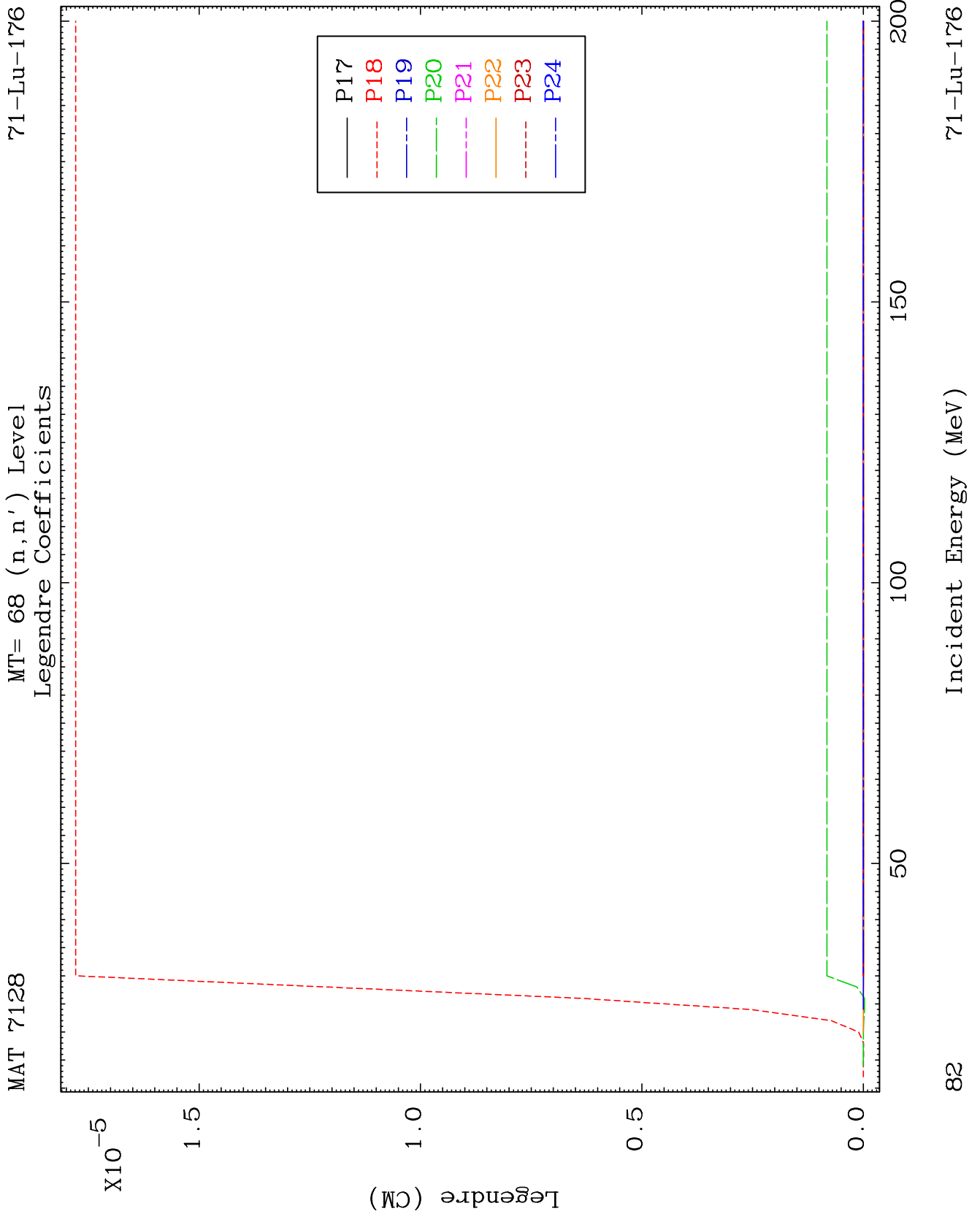
71-Lu-176



71-Lu-176

Incident Energy (MeV)

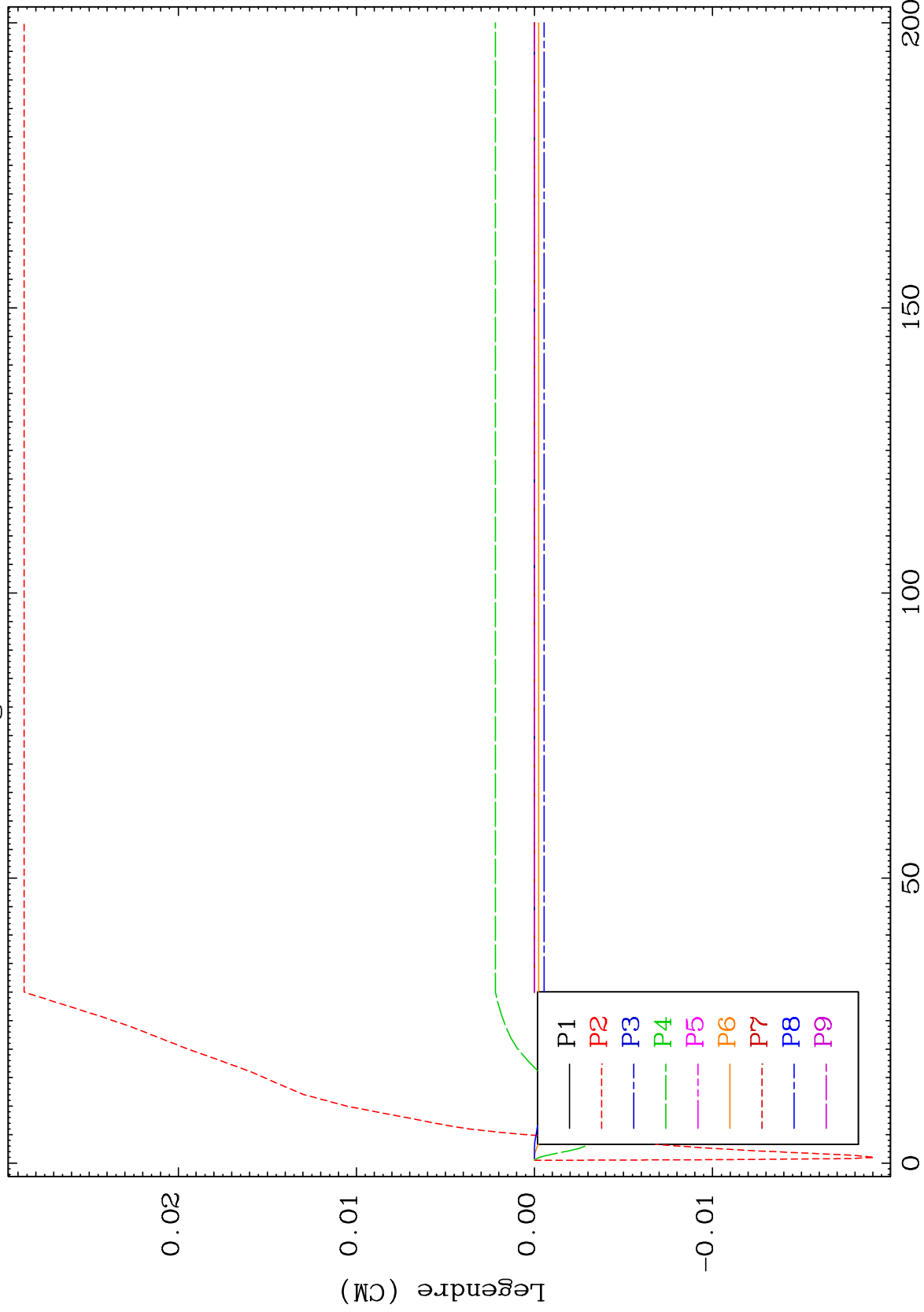
81



MAT 7128

71-Lu-176

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



83

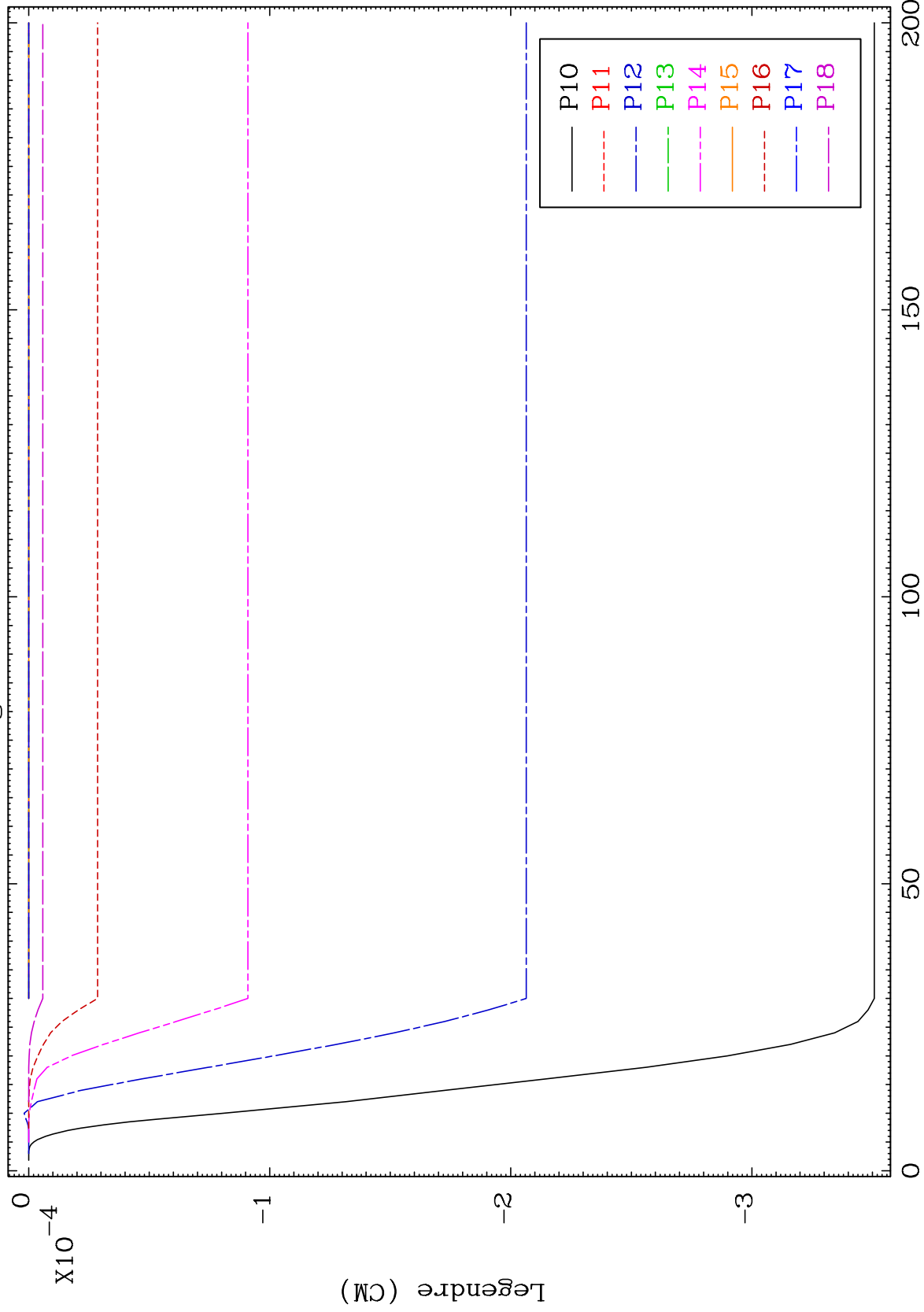
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



84

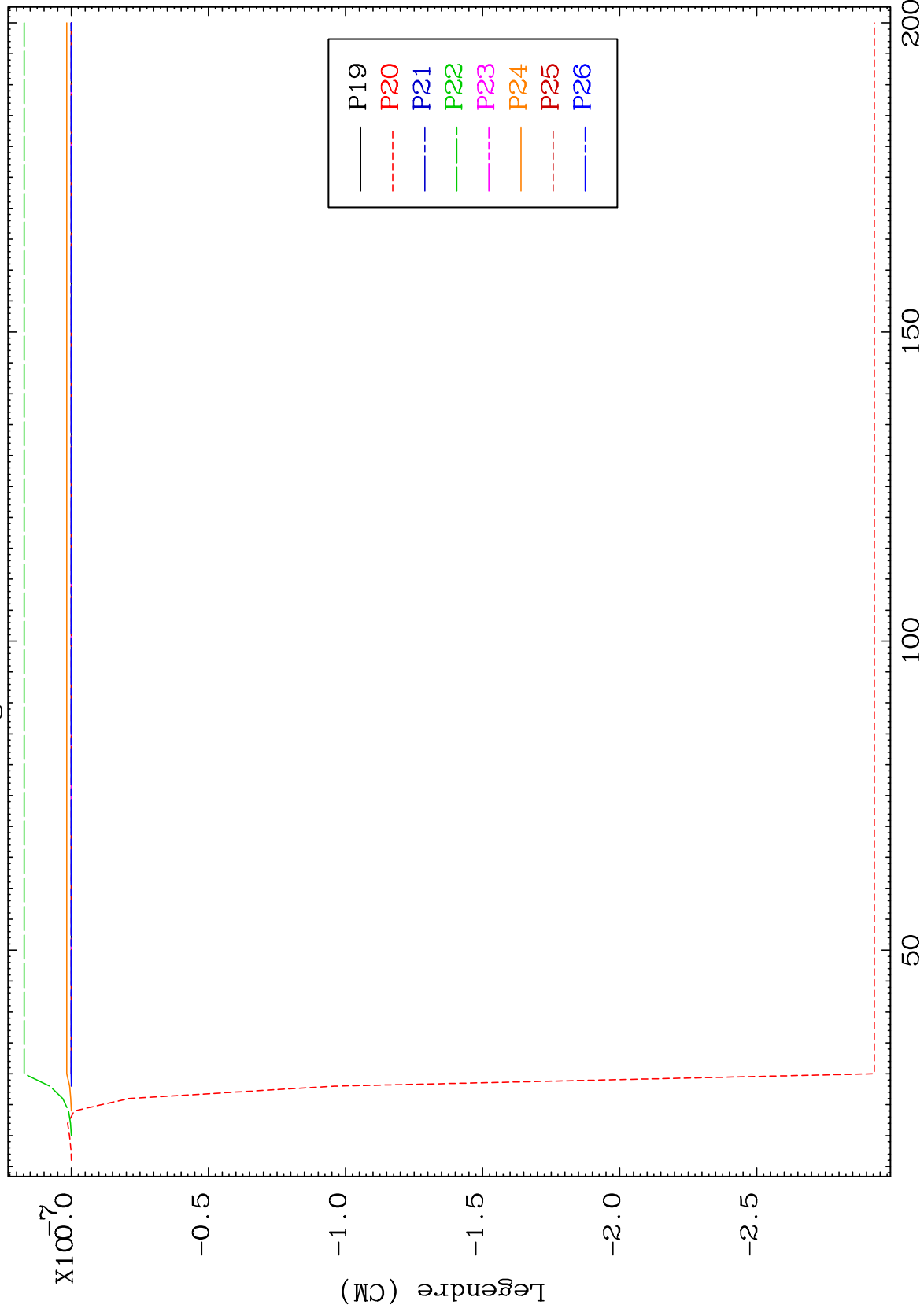
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

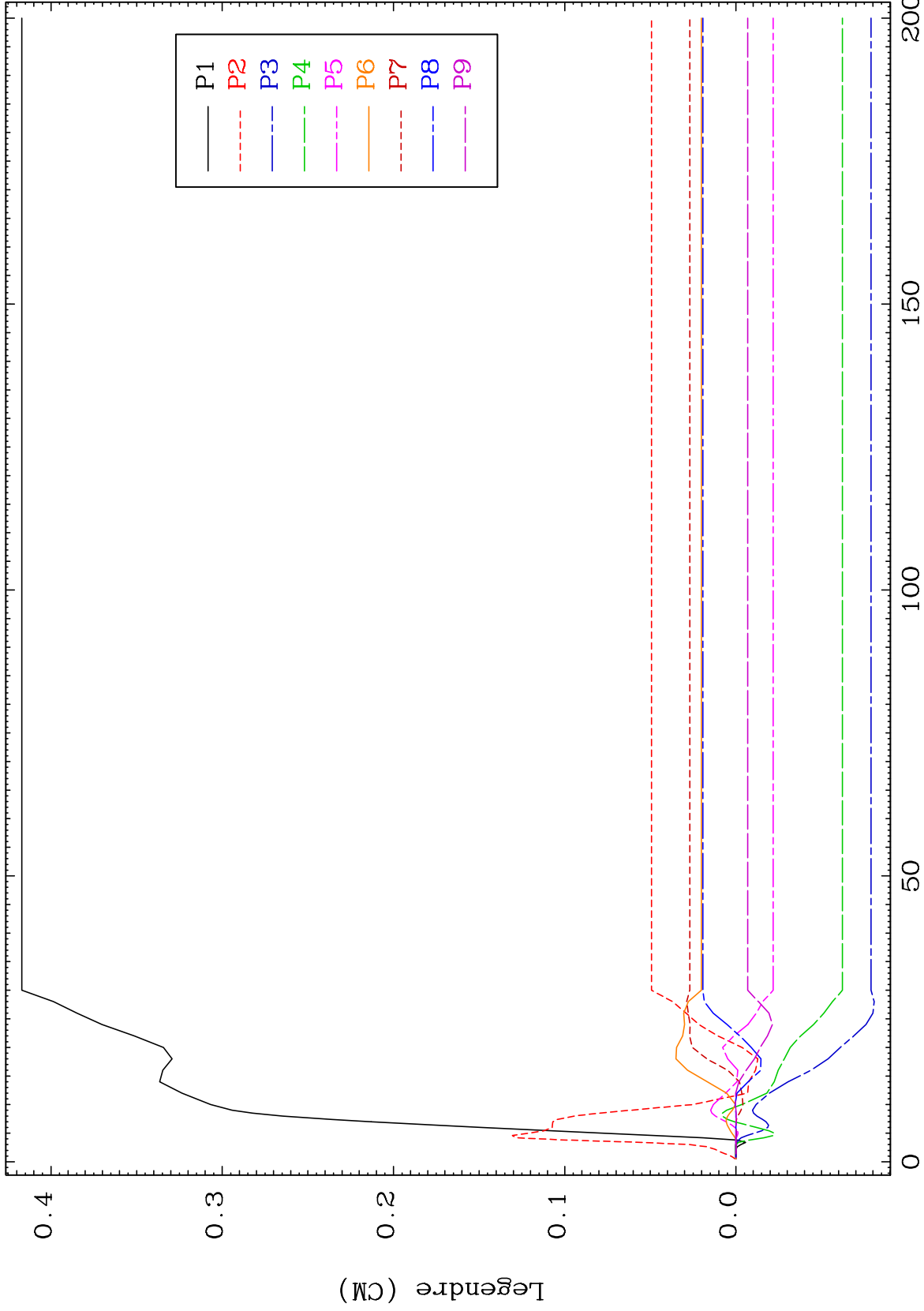
71-Lu-176



85

Incident Energy (MeV)

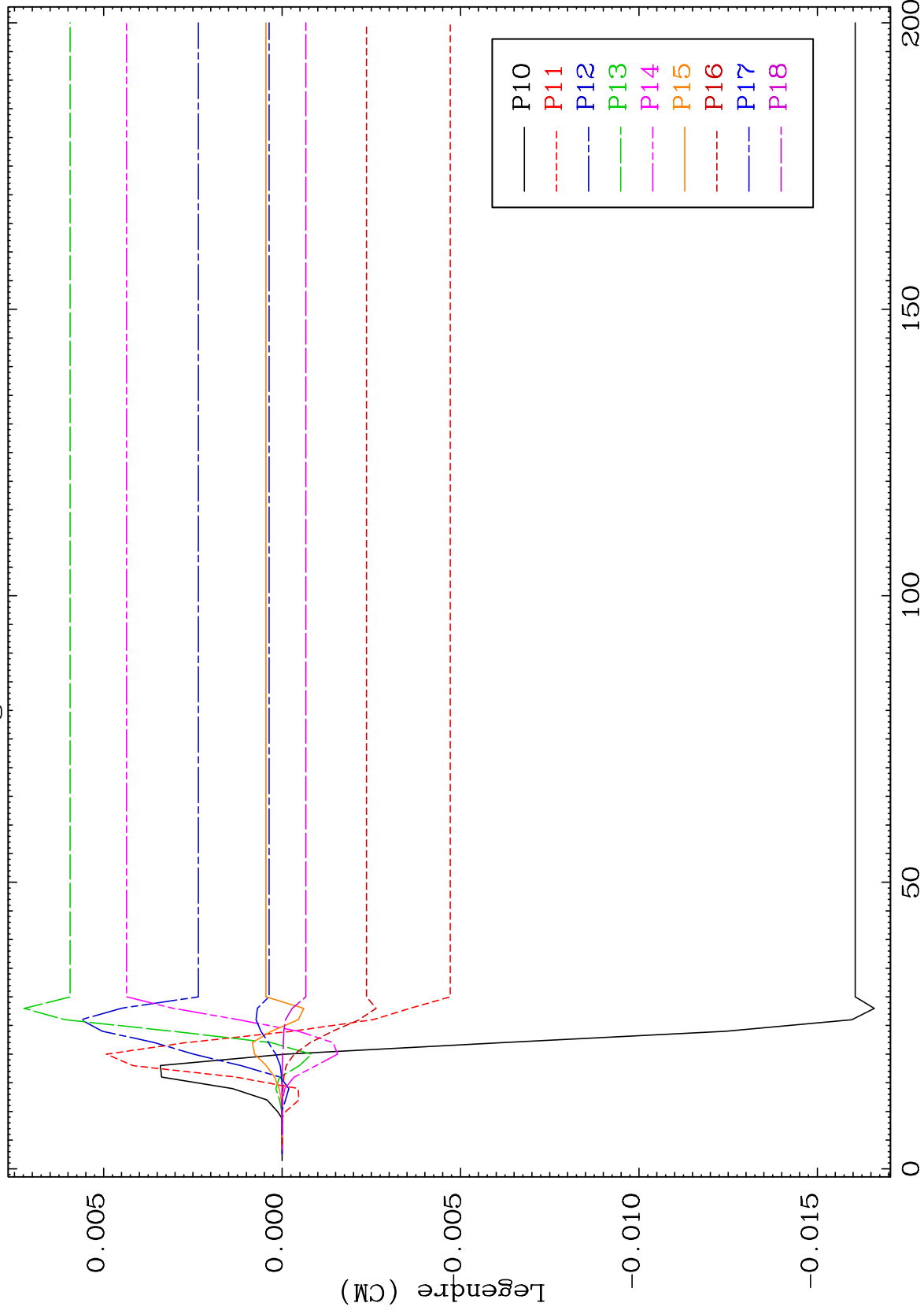
71-Lu-176



MAT 7128

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

71-Lu-176



87

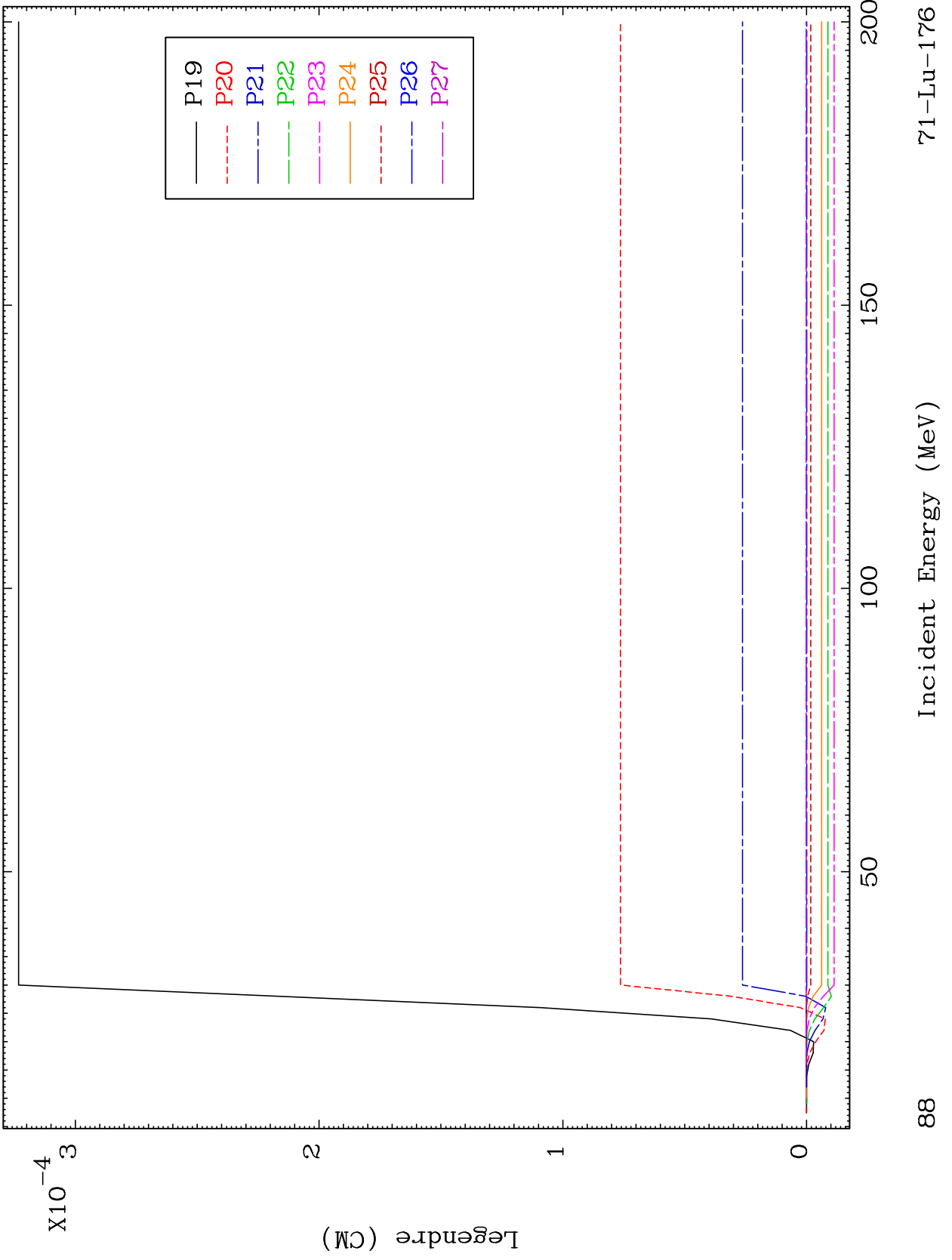
Incident Energy (MeV)

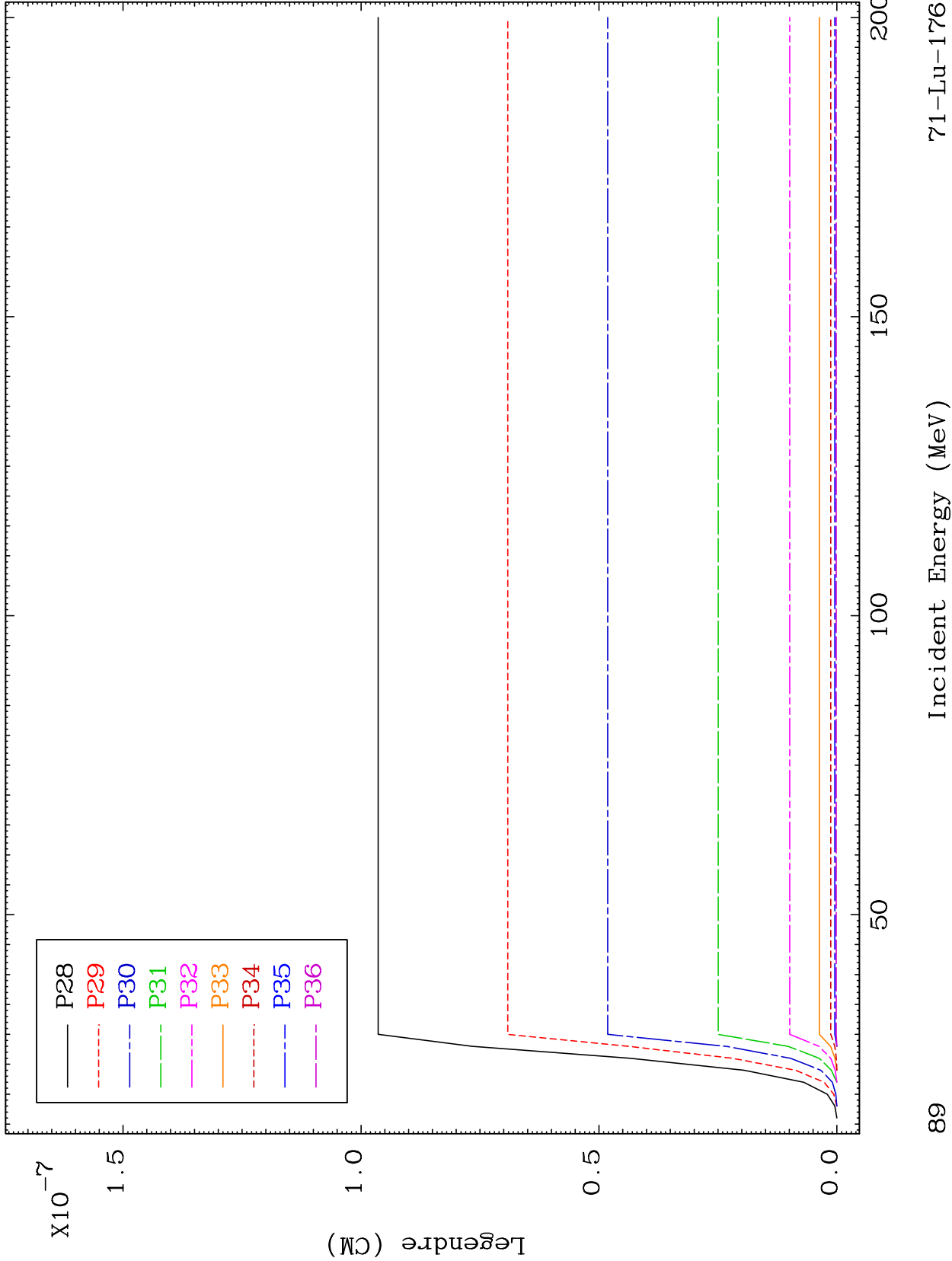
71-Lu-176

MAT 7128

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

71-Lu-176

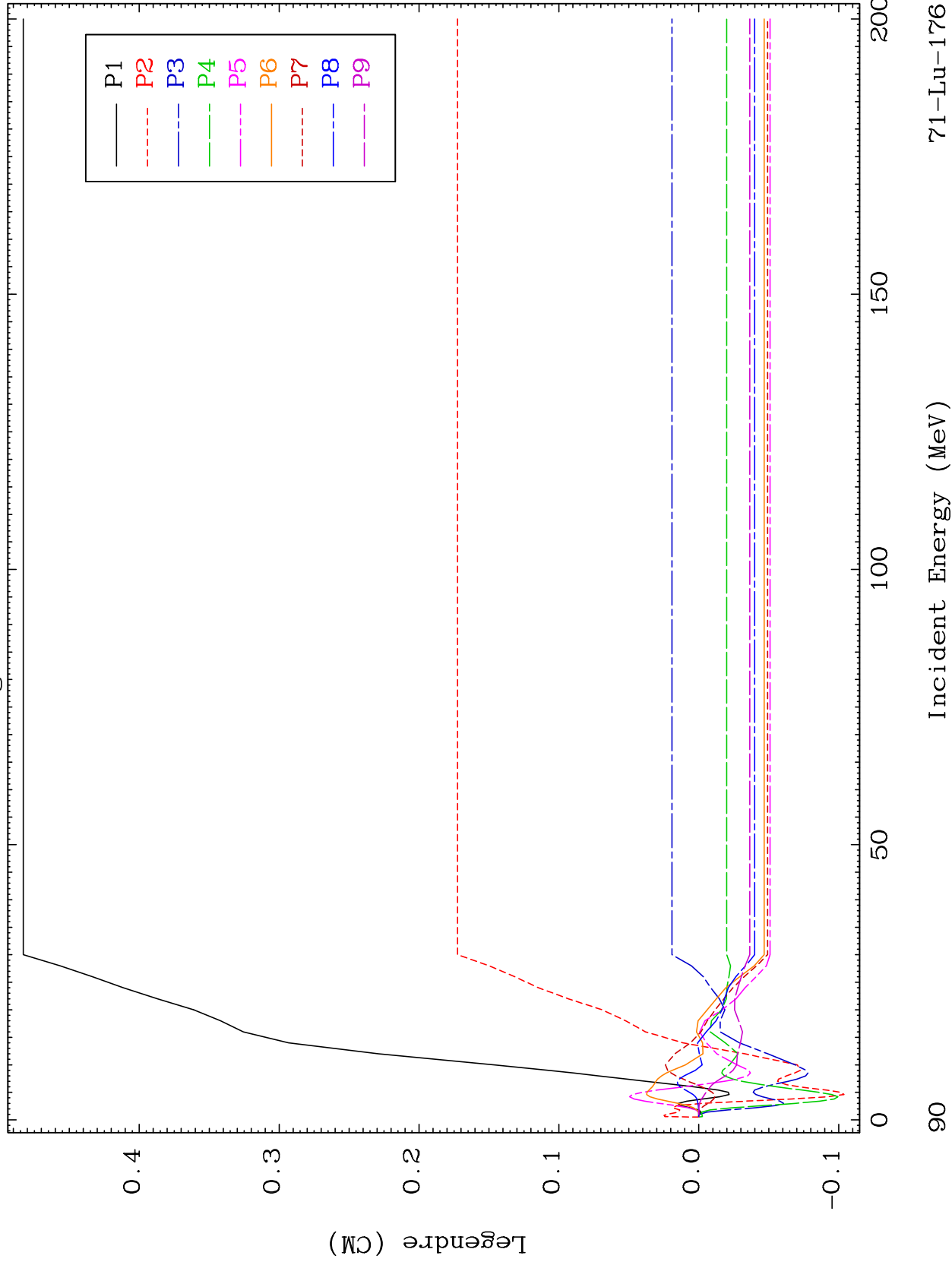




MAT 7128

MT= 71 (n,n') Level
Legendre Coefficients

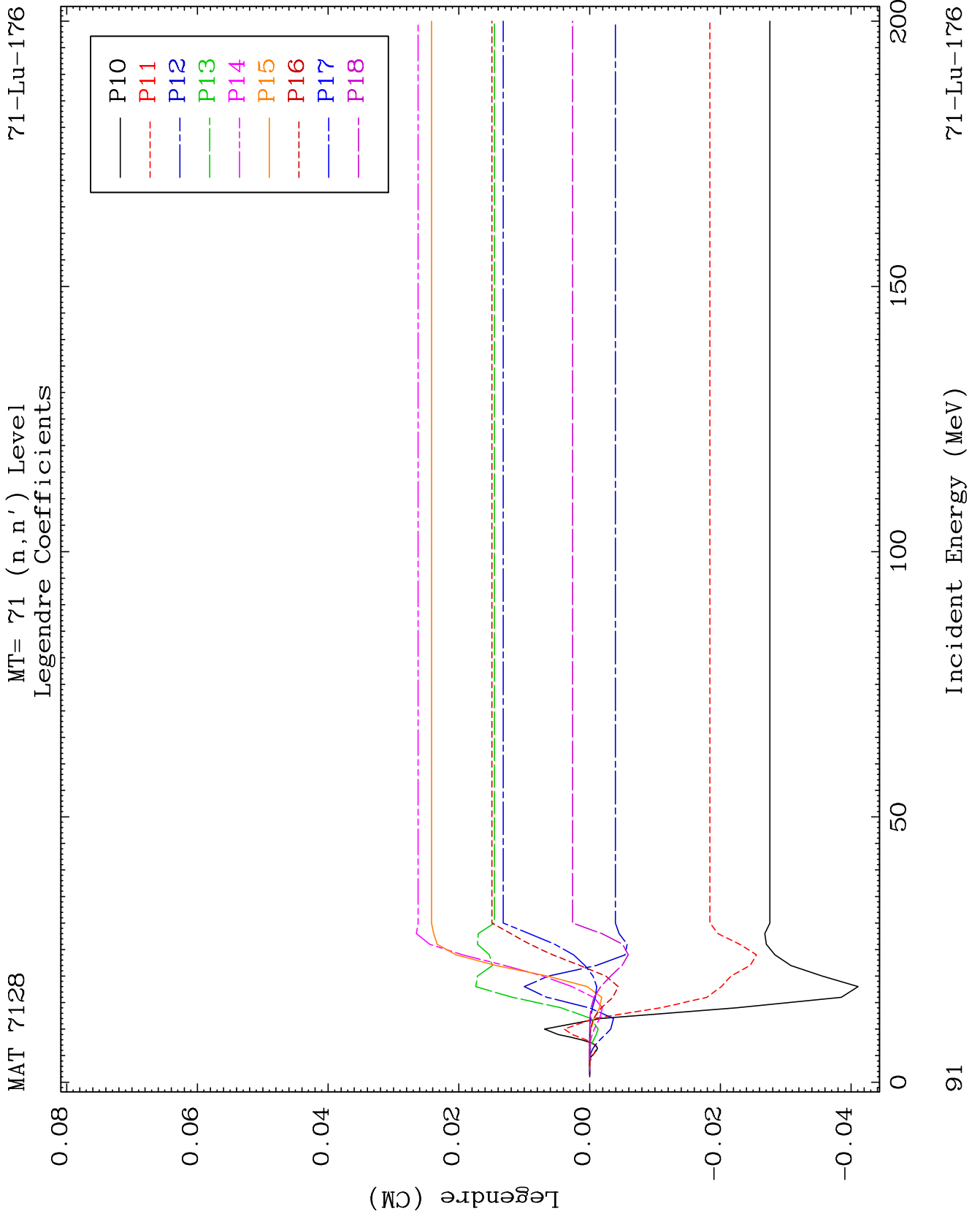
71-Lu-176

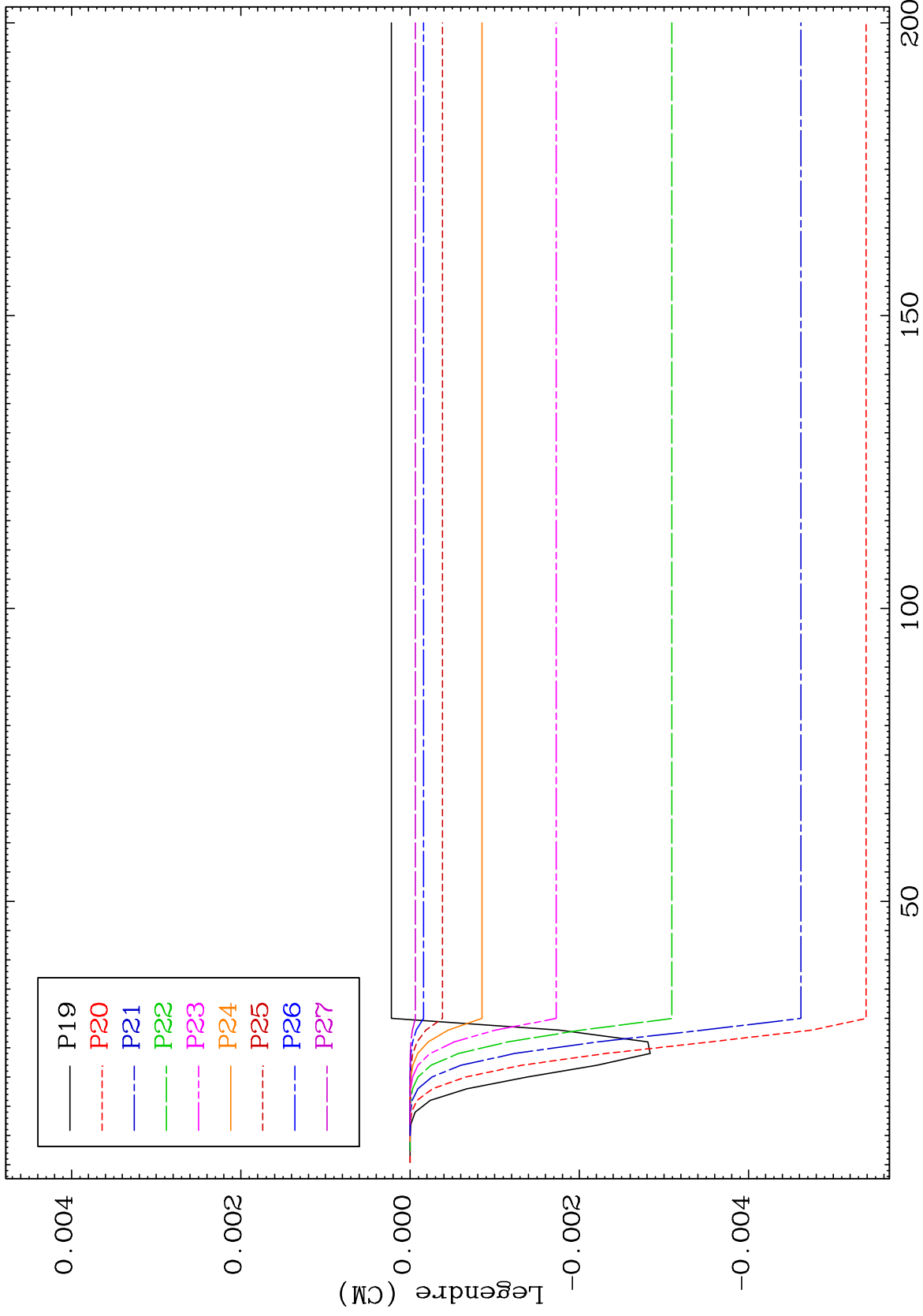


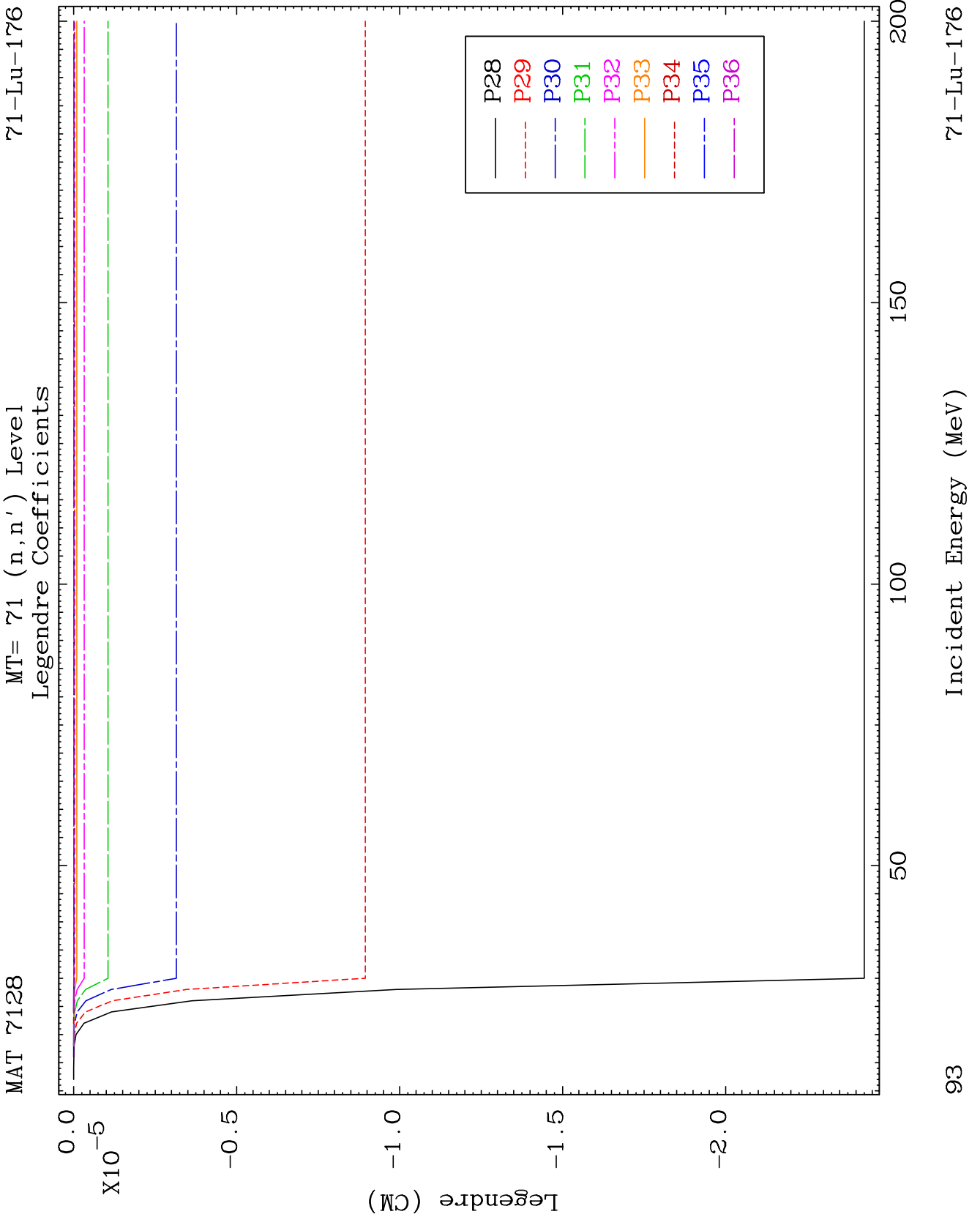
71-Lu-176

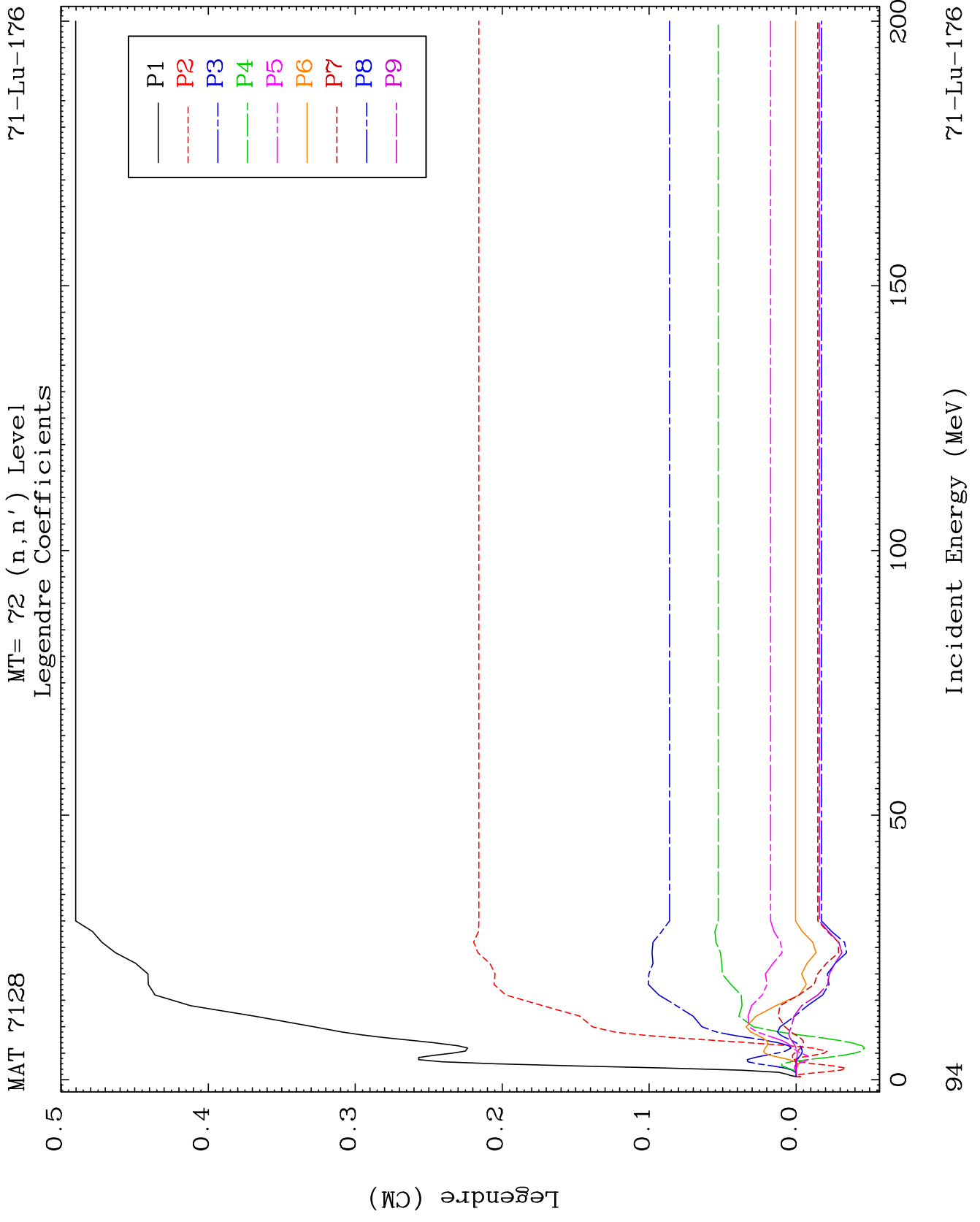
Incident Energy (MeV)

90





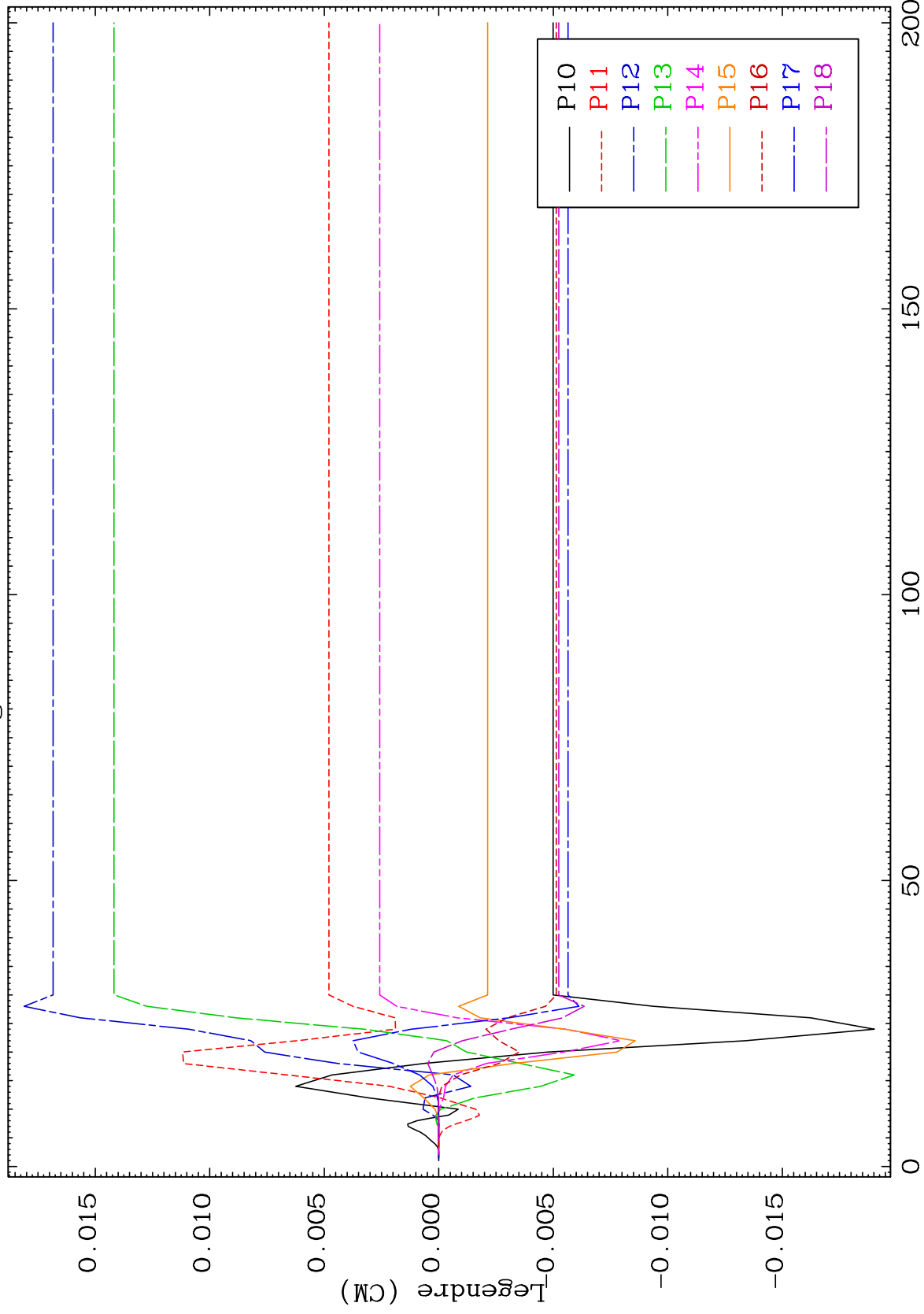




MAT 7128

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

71-Lu-176



95

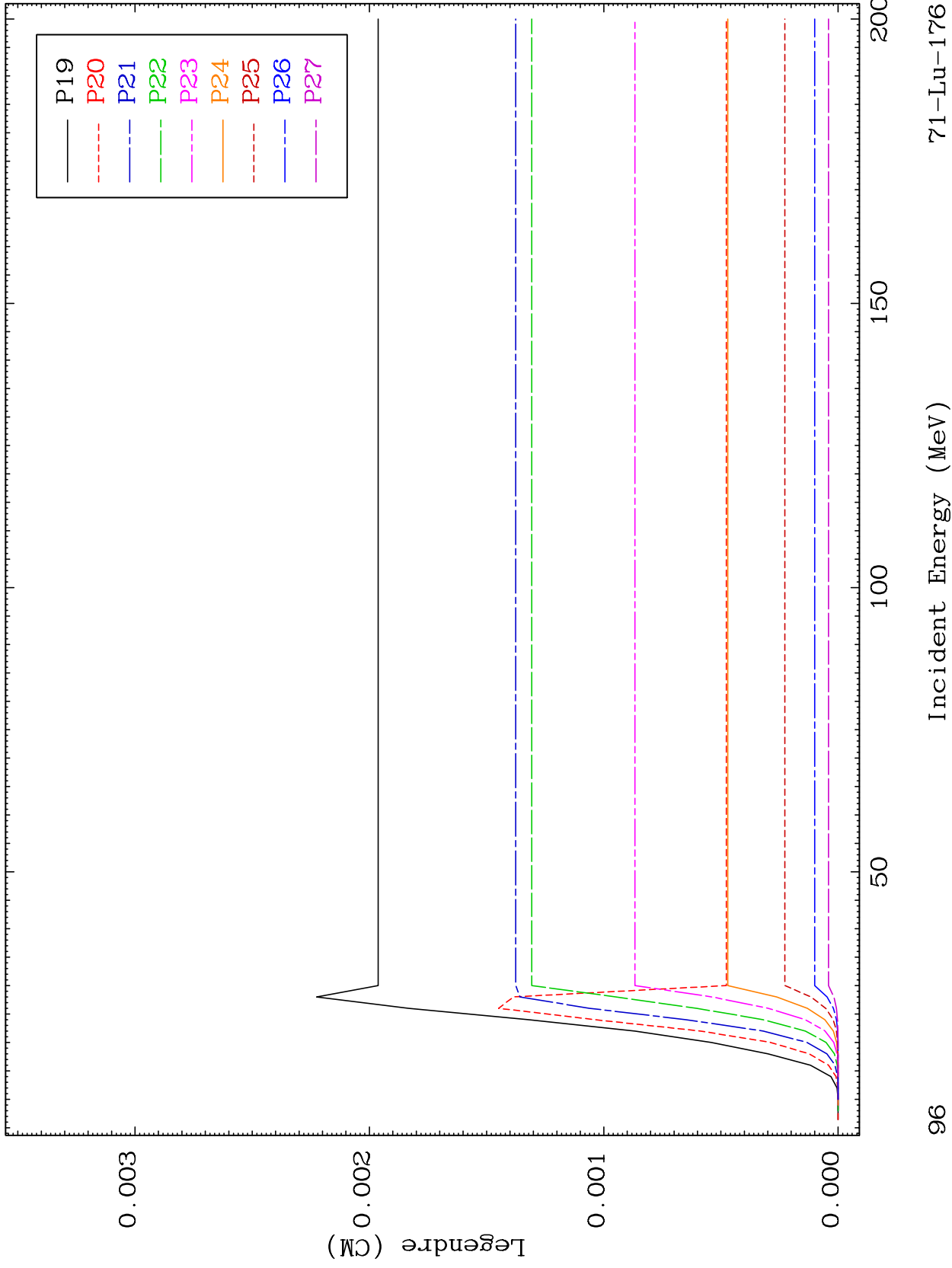
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



96

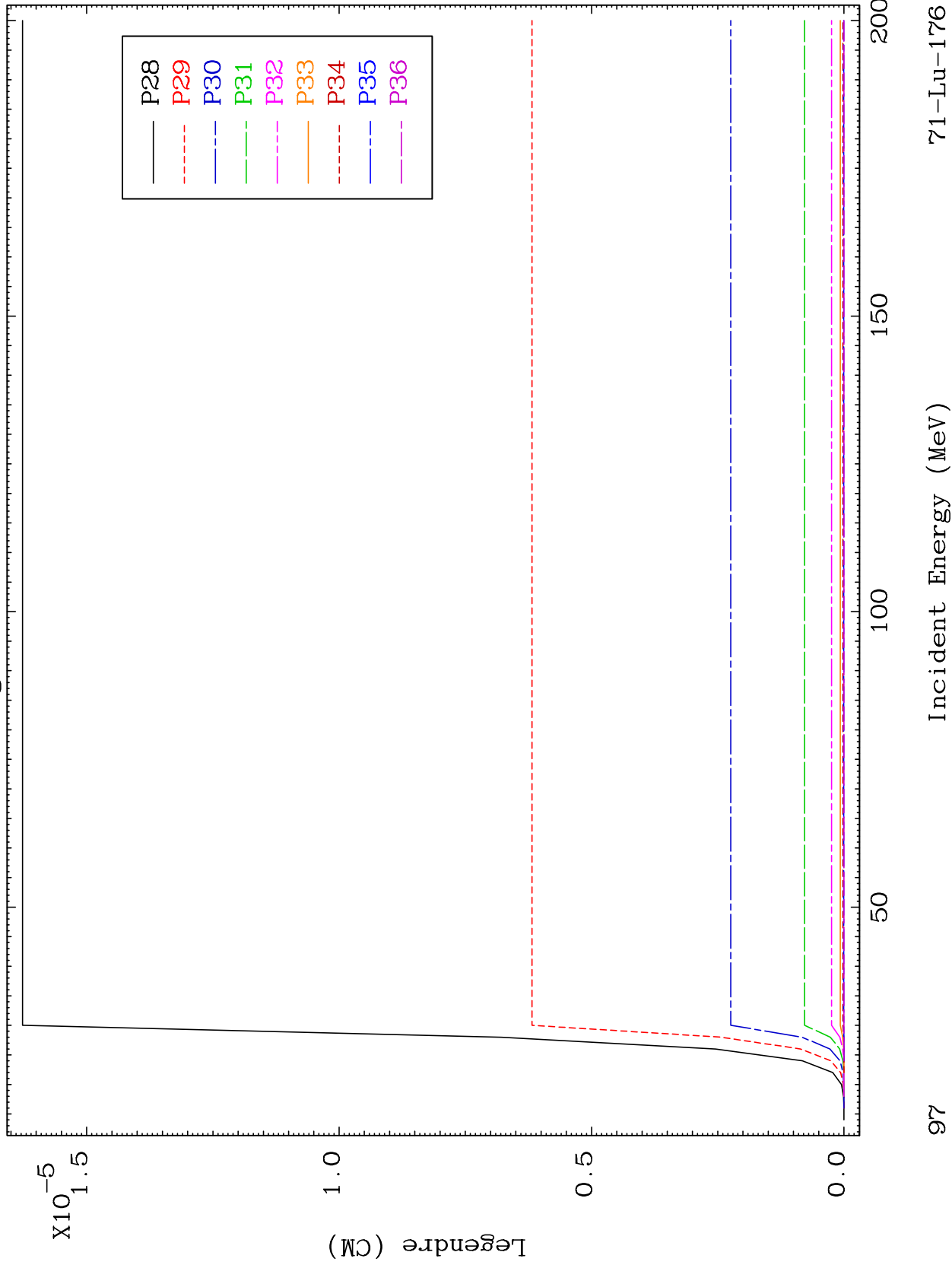
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

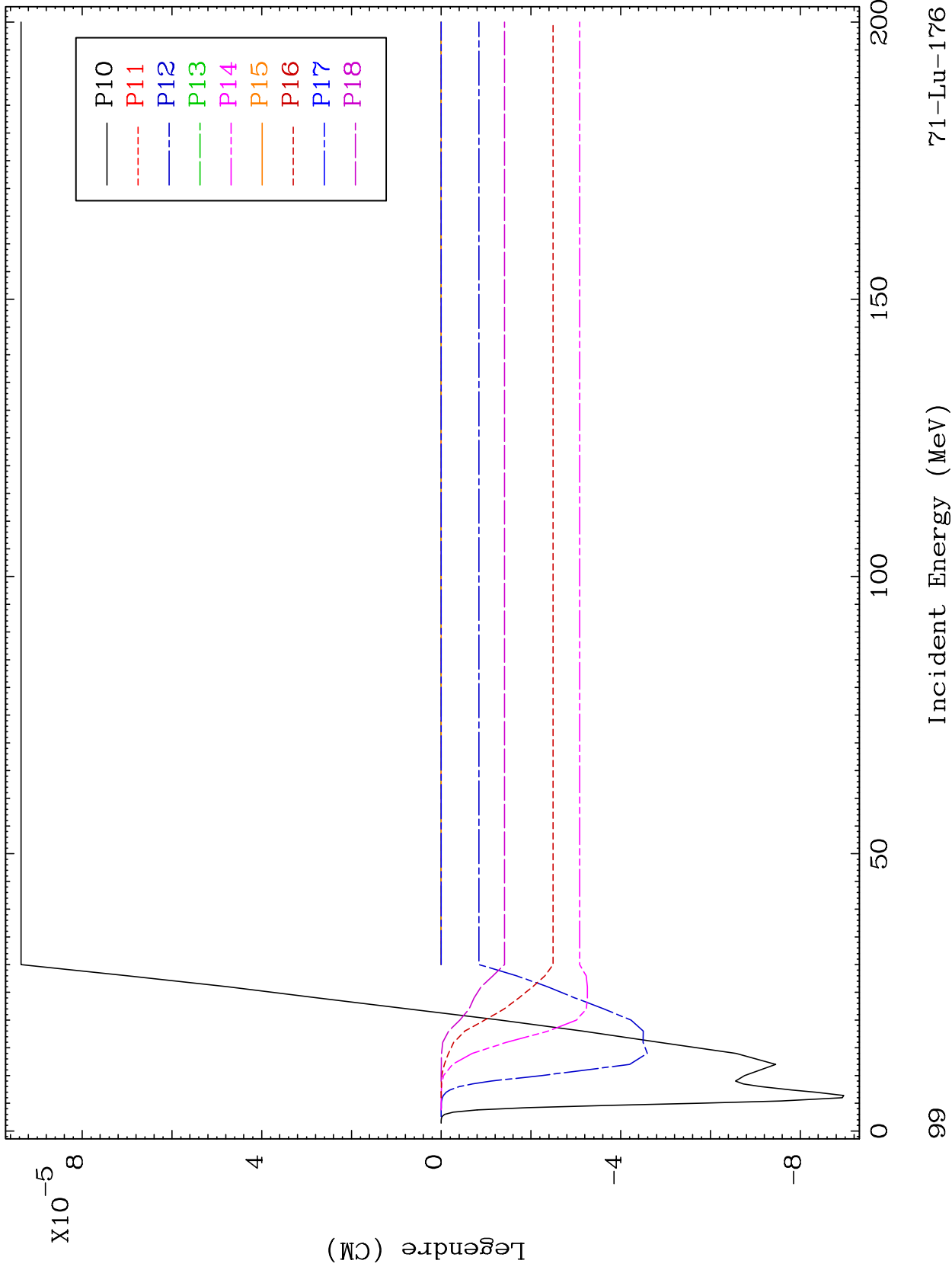
71-Lu-176



MAT 7128

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

71-Lu-176



99

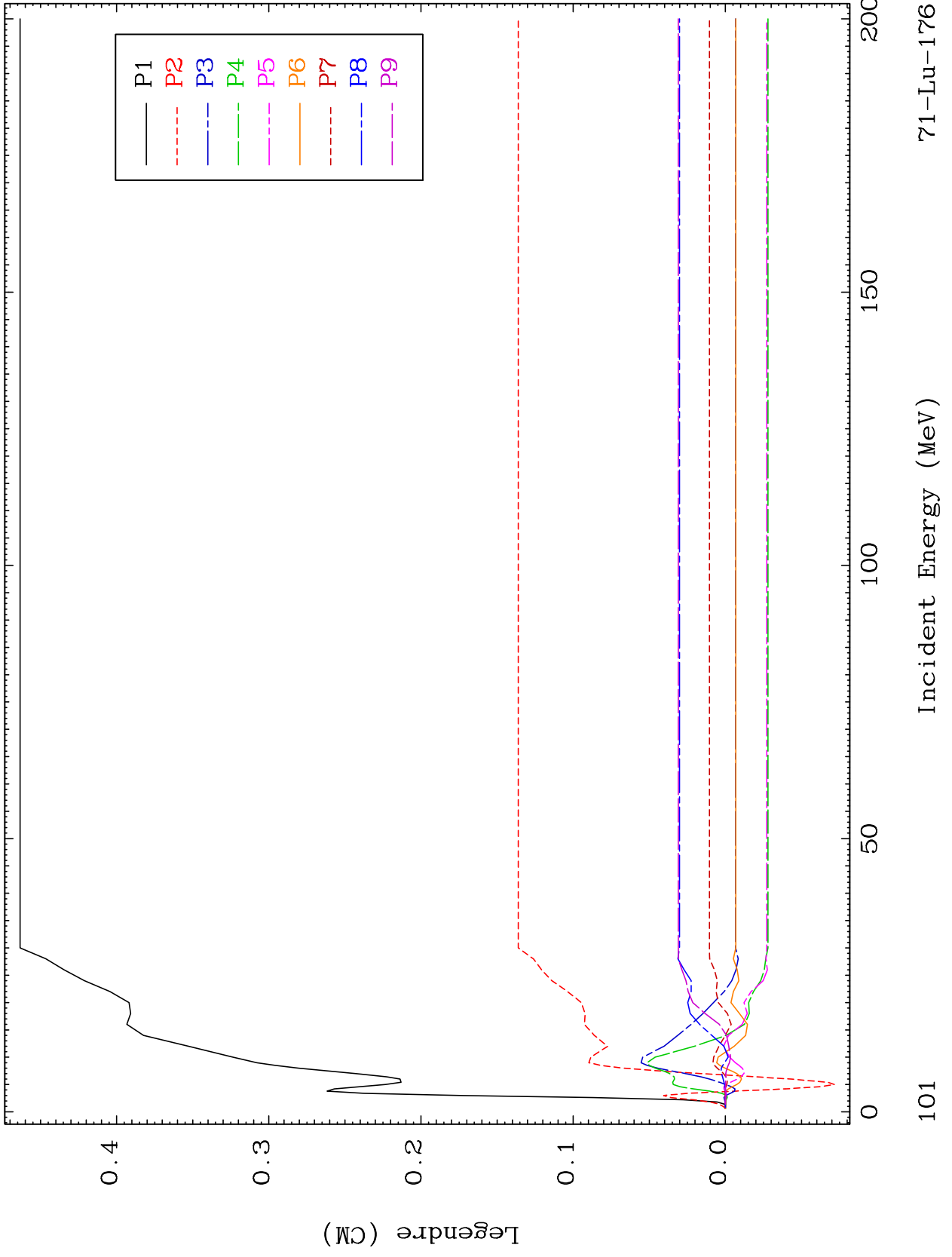
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

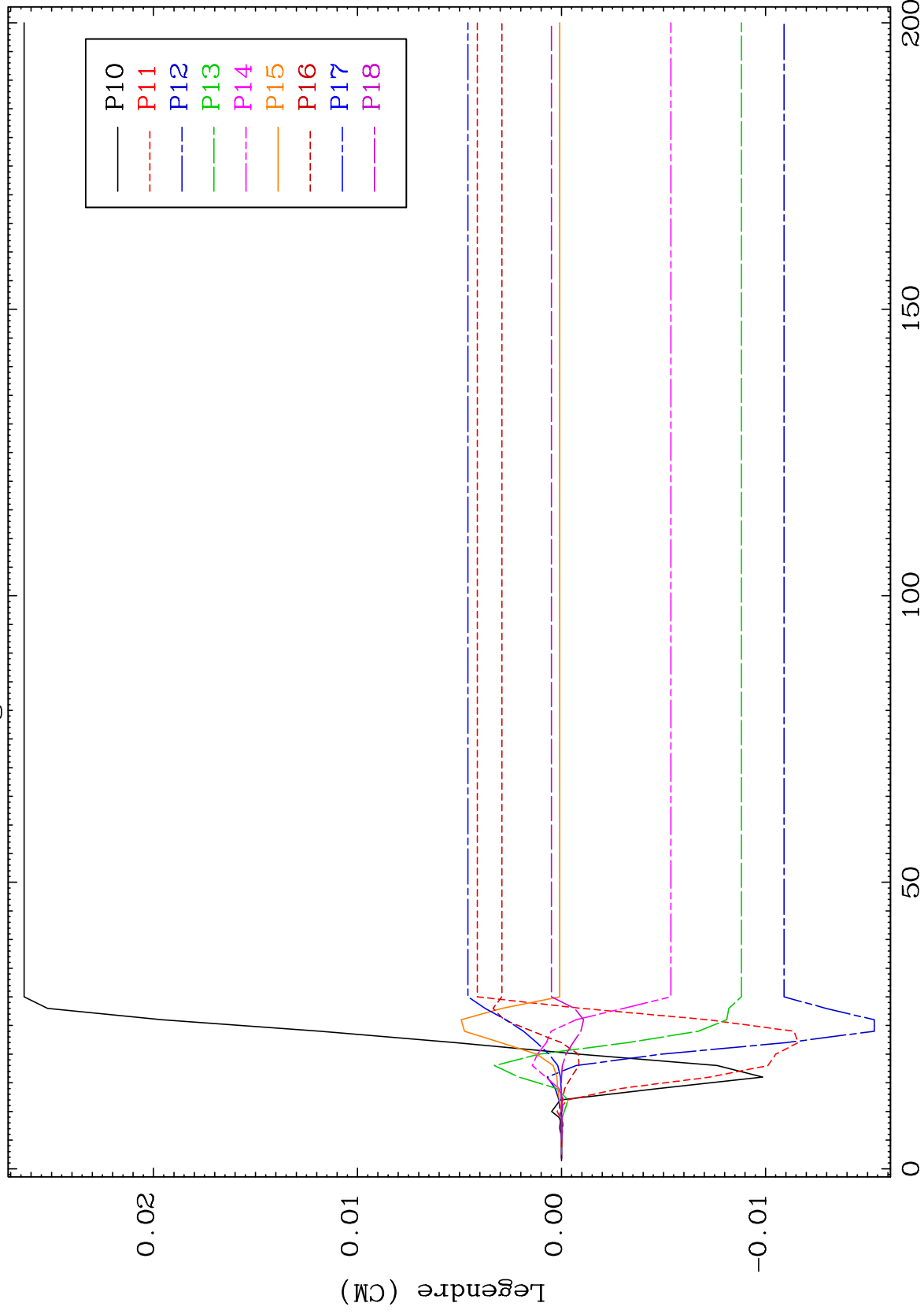
Incident Energy (MeV)

101

MAT 7128

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

71-Lu-176



71-Lu-176

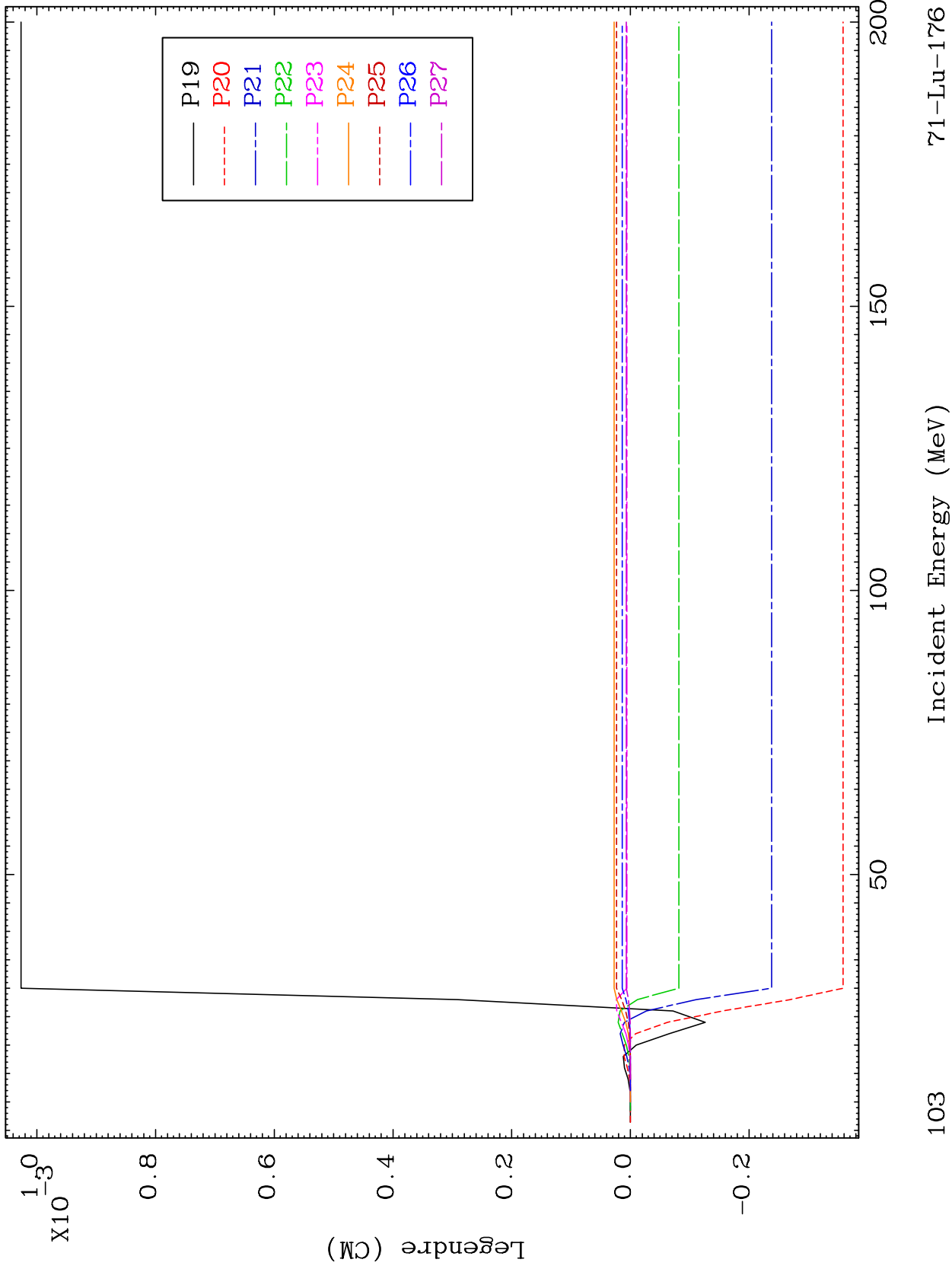
Incident Energy (MeV)

102

MAT 7128

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

71-Lu-176



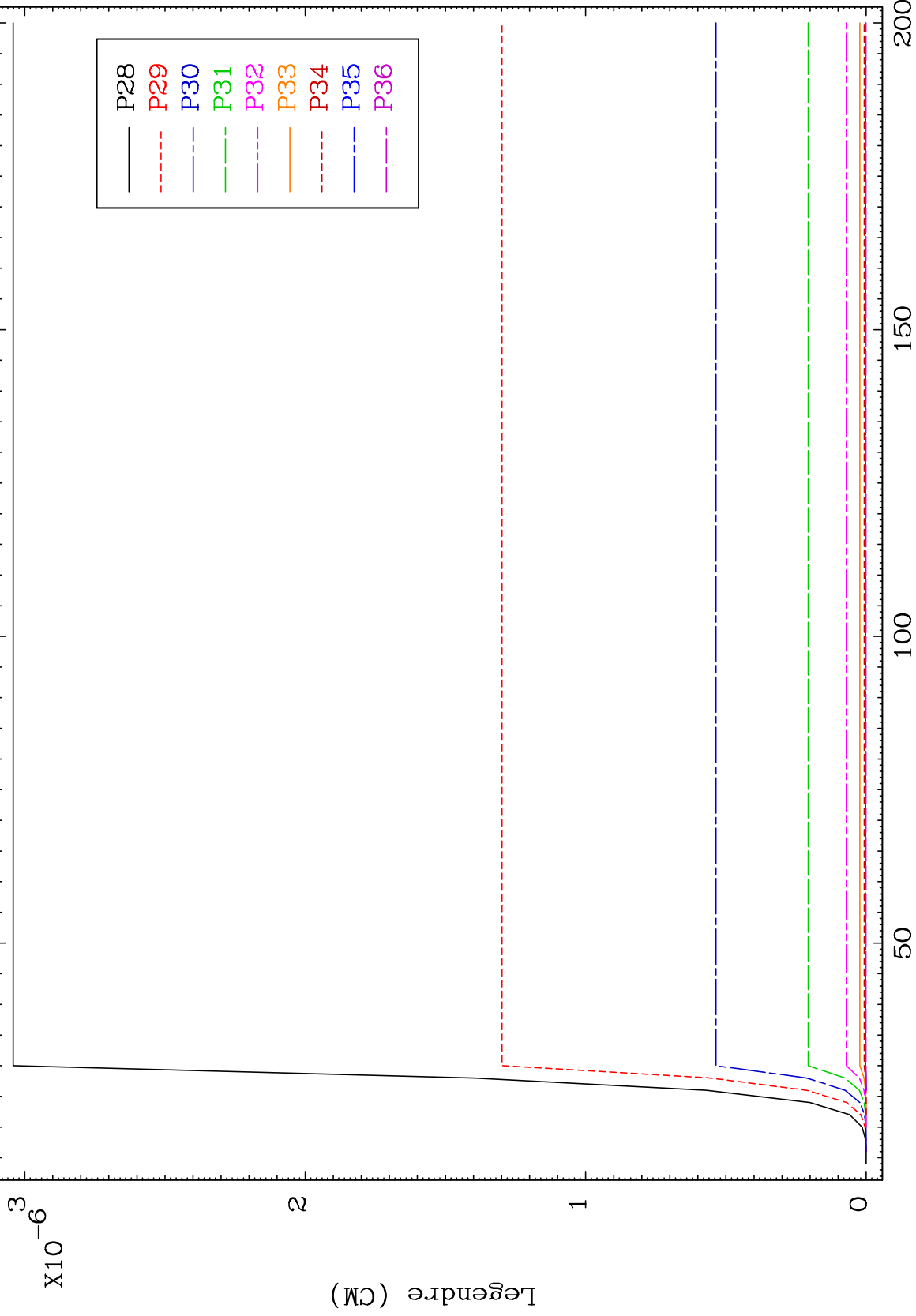
103

71-Lu-176

MAT 7128

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

71-Lu-176



104

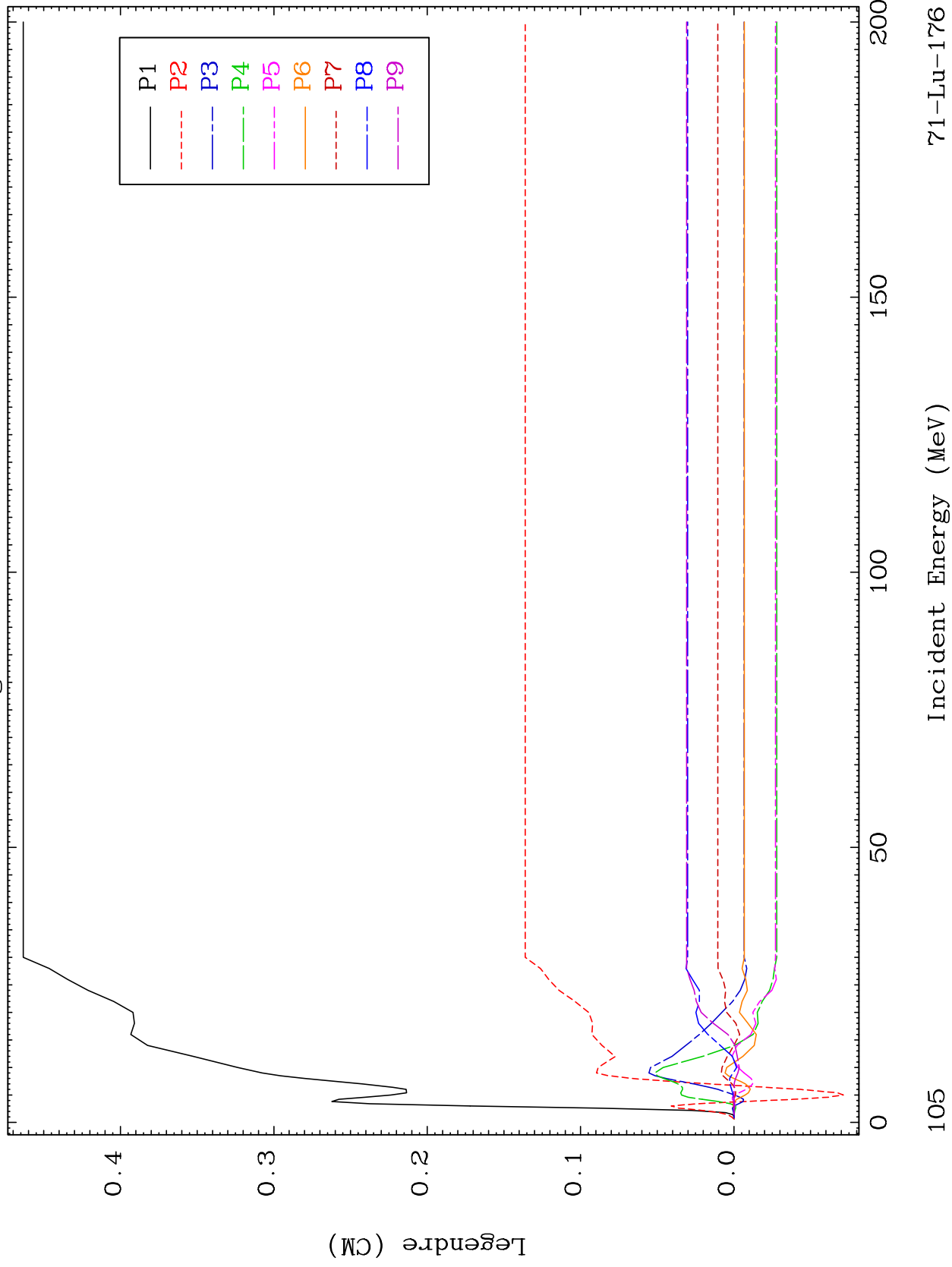
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

71-Lu-176



71-Lu-176

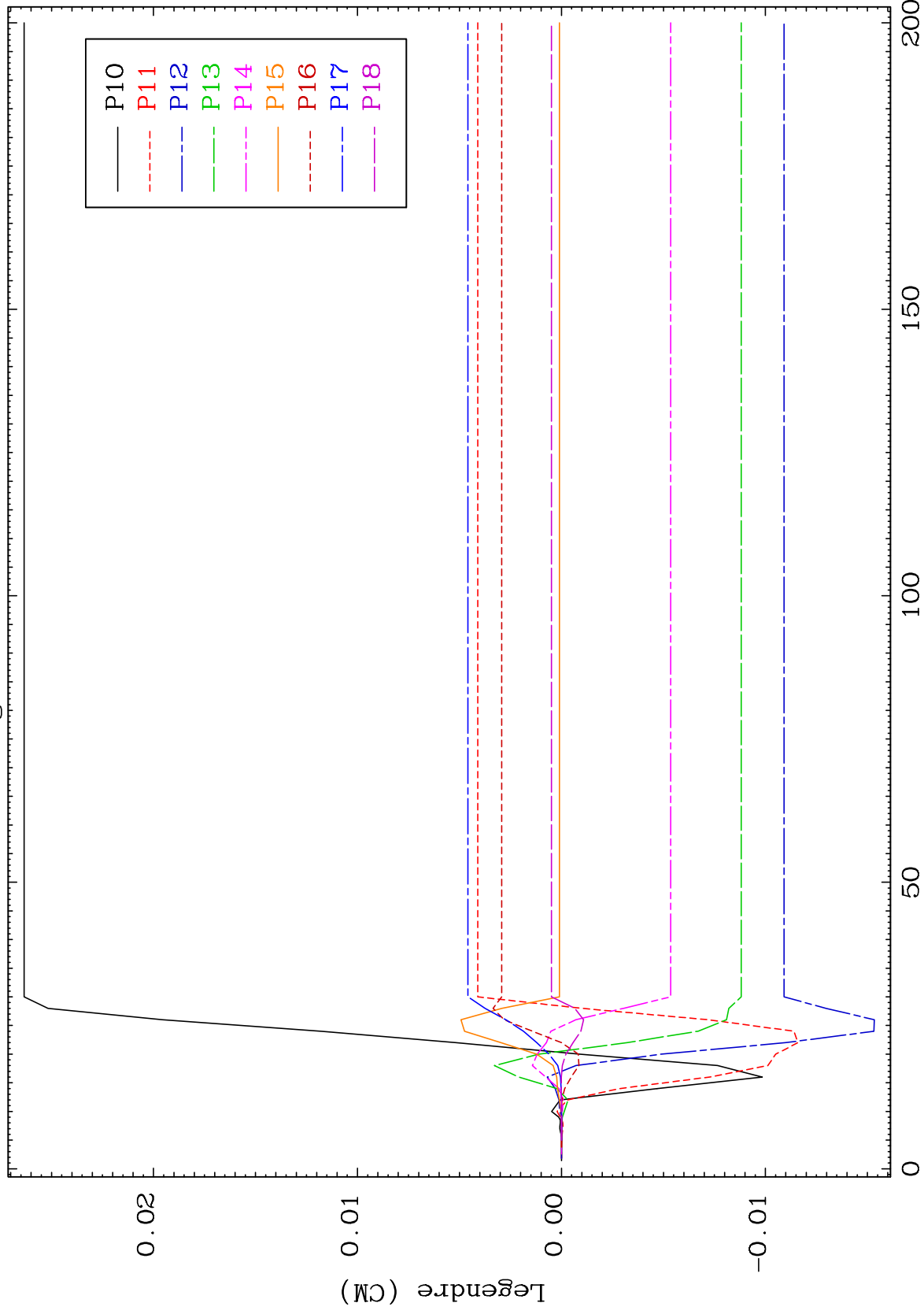
Incident Energy (MeV)

105

MAT 7128

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

71-Lu-176



106

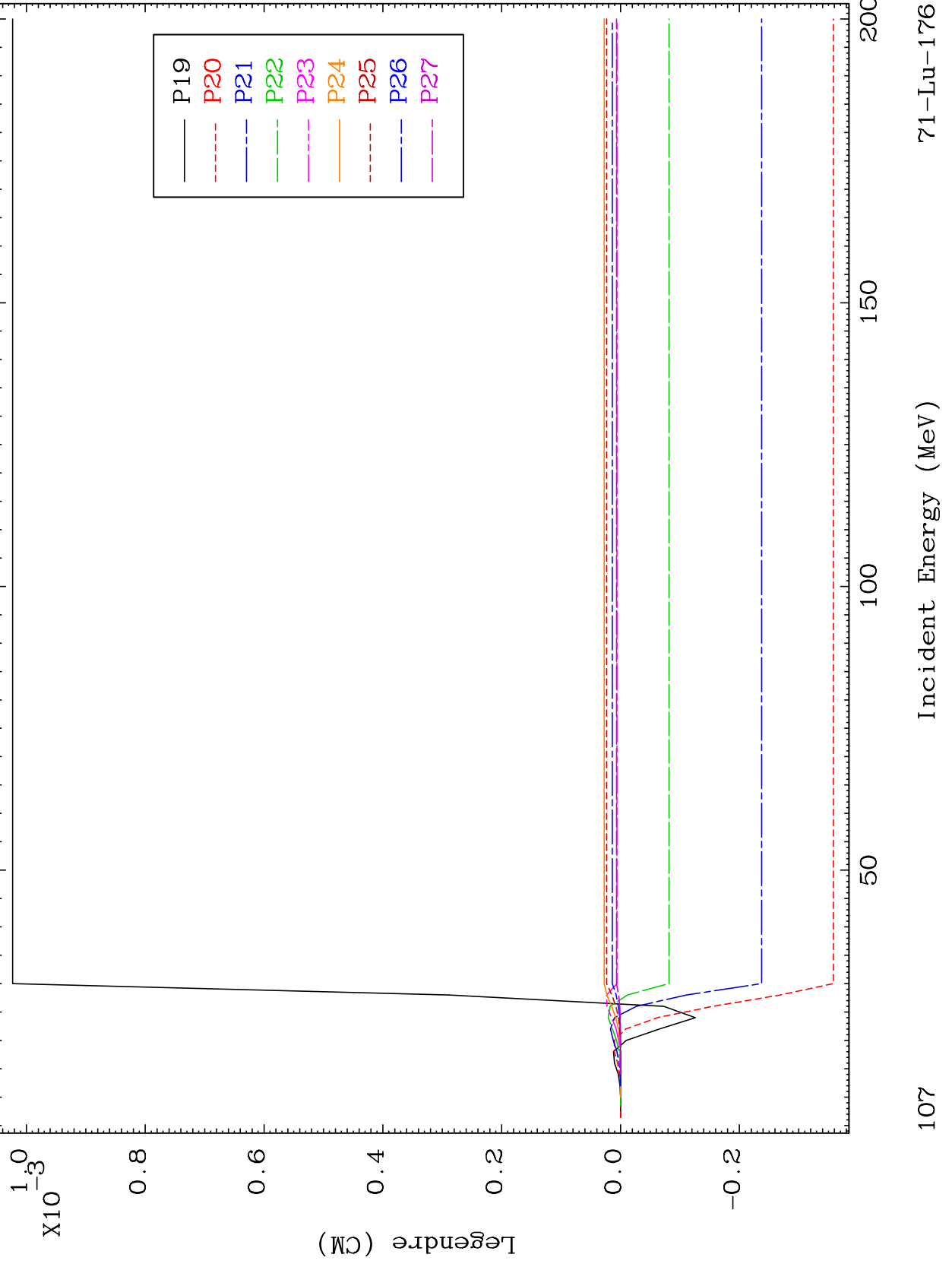
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

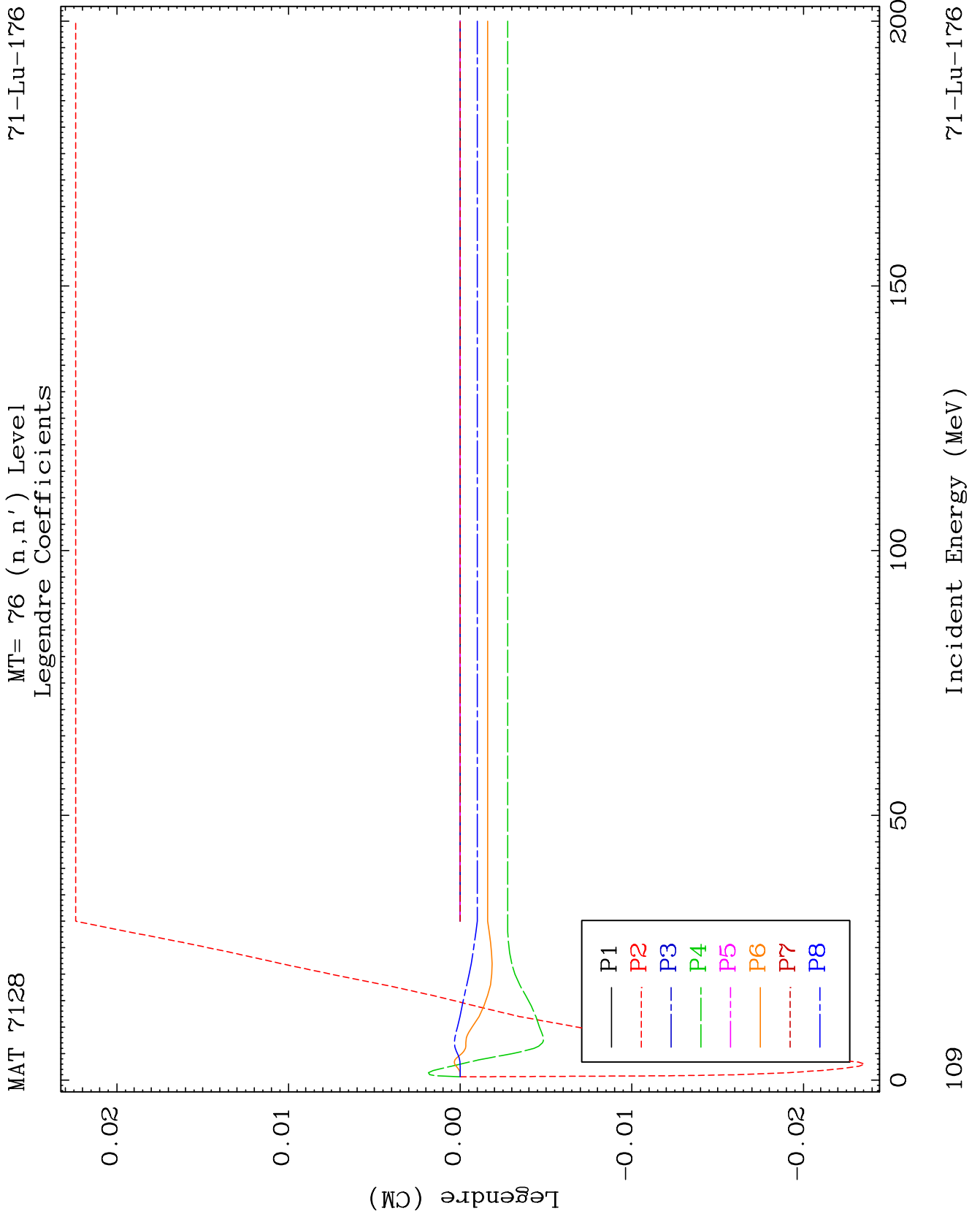
71-Lu-176



107

Incident Energy (MeV)

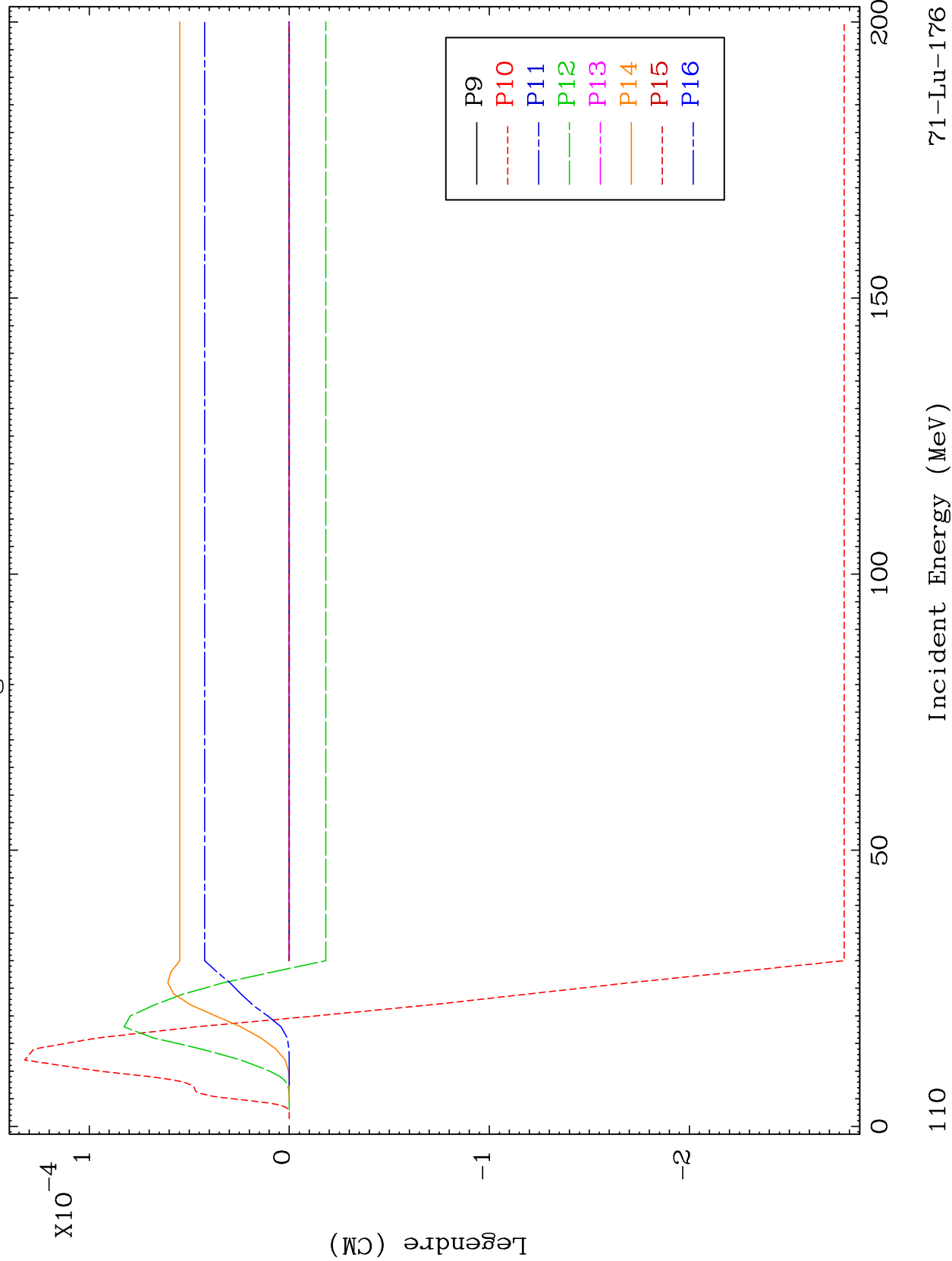
71-Lu-176



MAT 7128

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

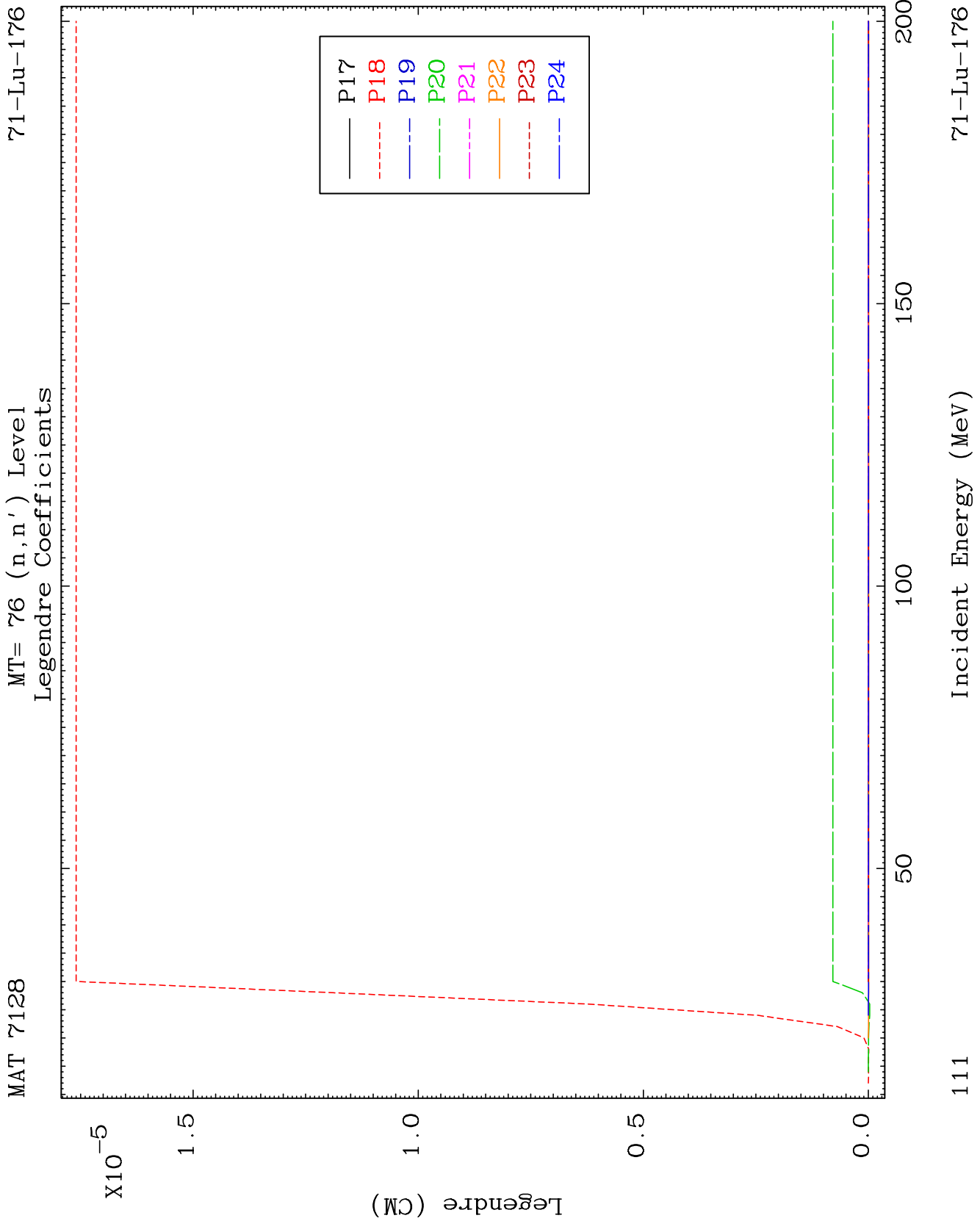
71-Lu-176



71-Lu-176

Incident Energy (MeV)

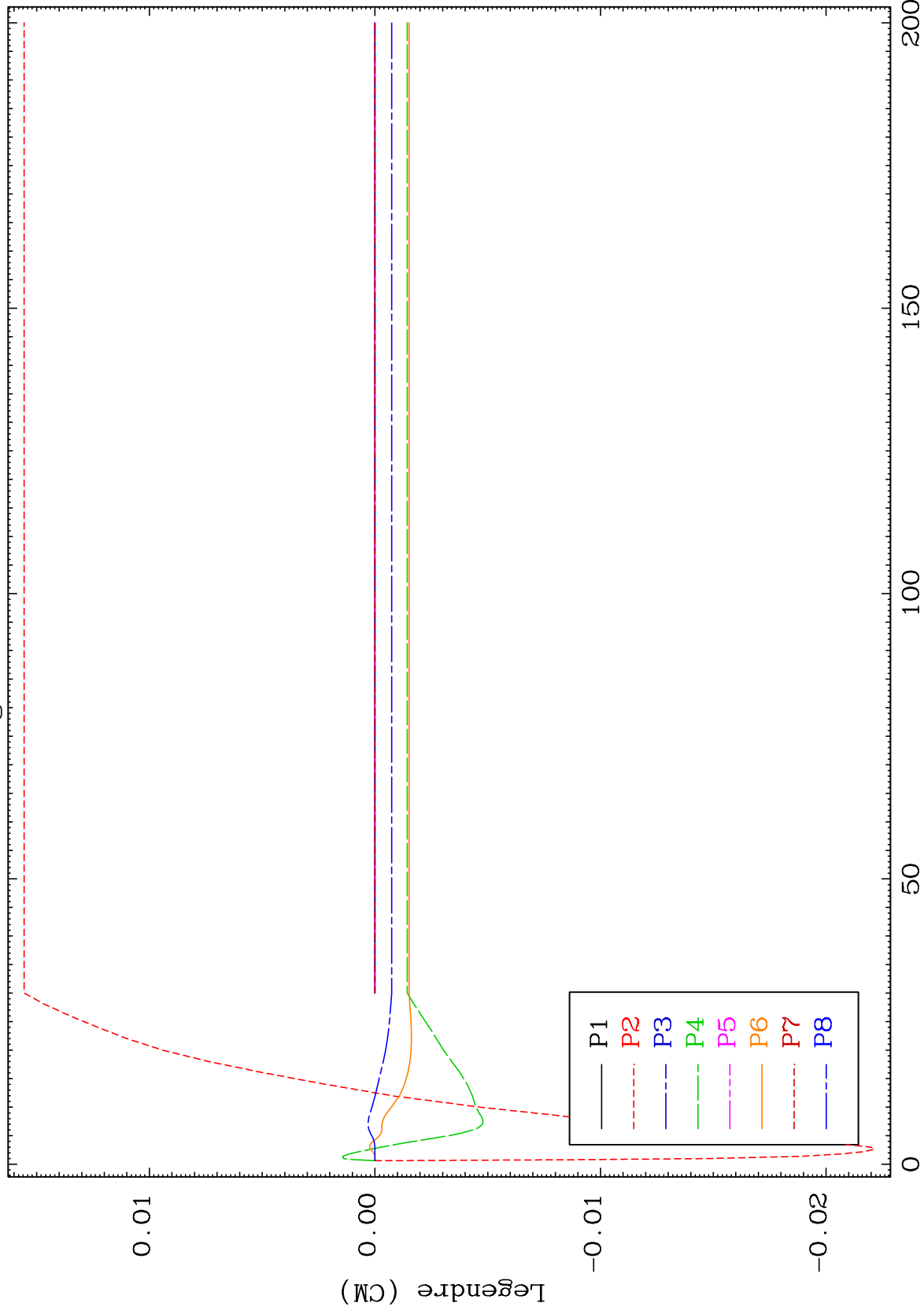
110



MAT 7128

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

71-Lu-176



112

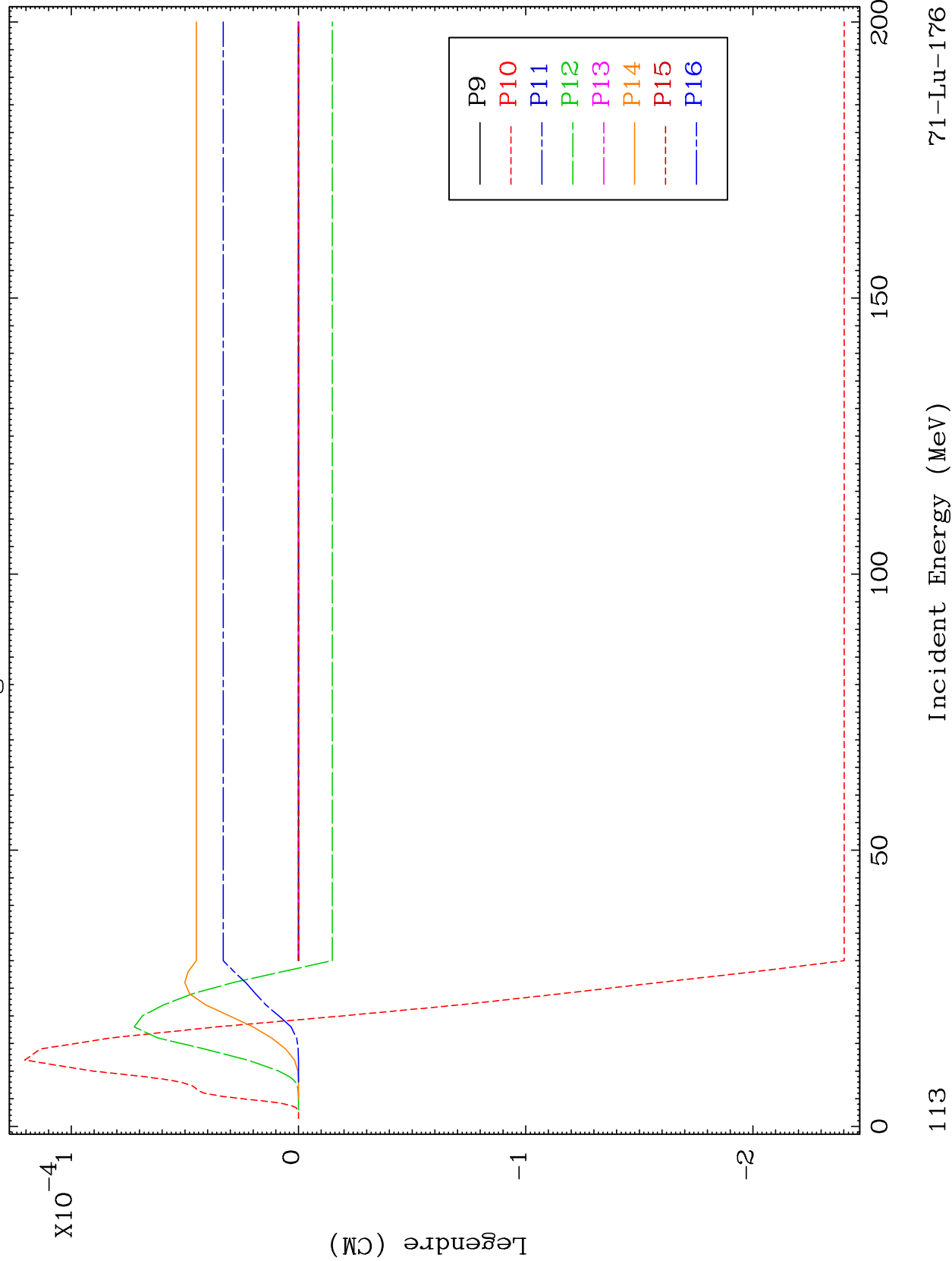
Incident Energy (MeV)

71-Lu-176

MAT 7128

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

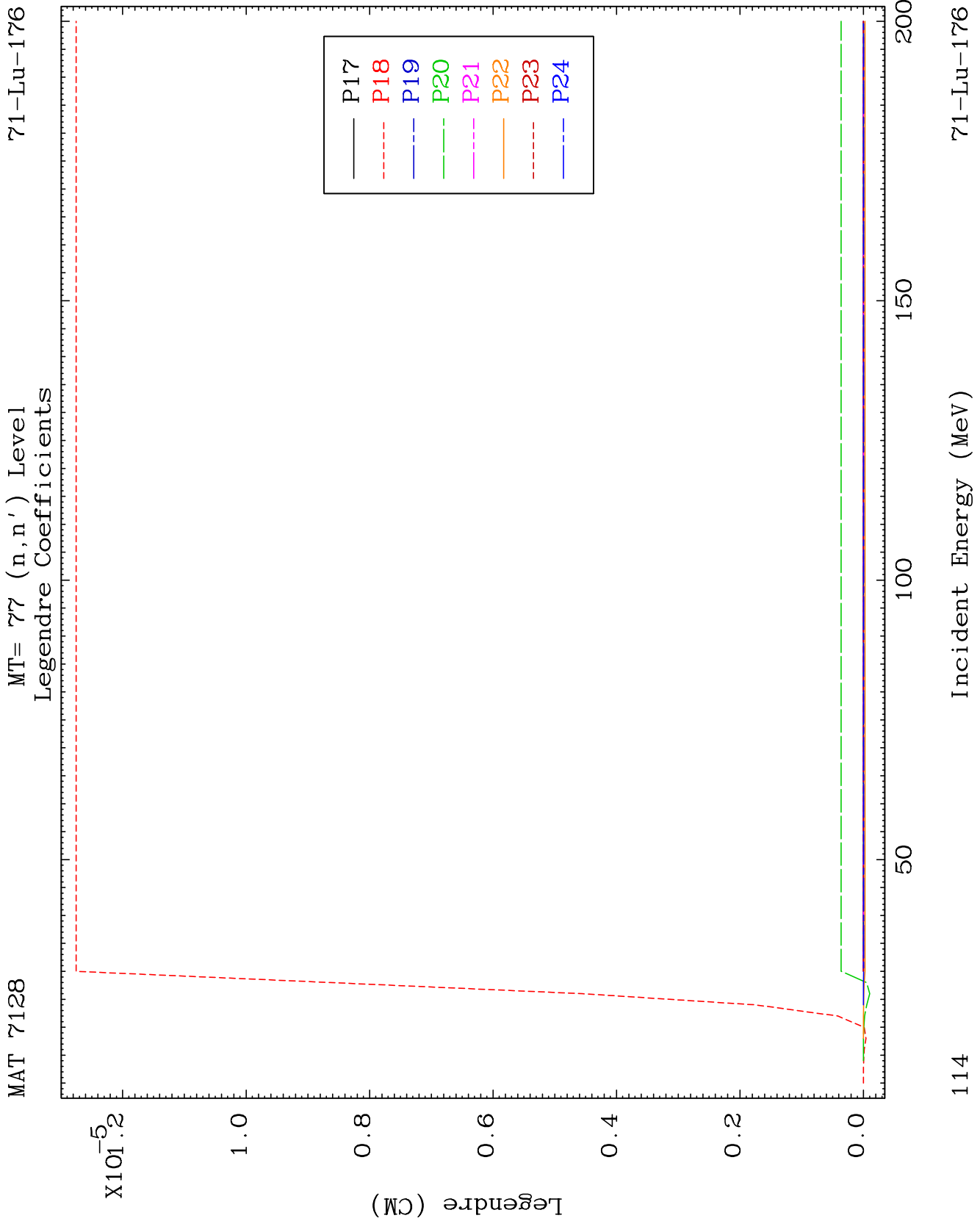
71-Lu-176

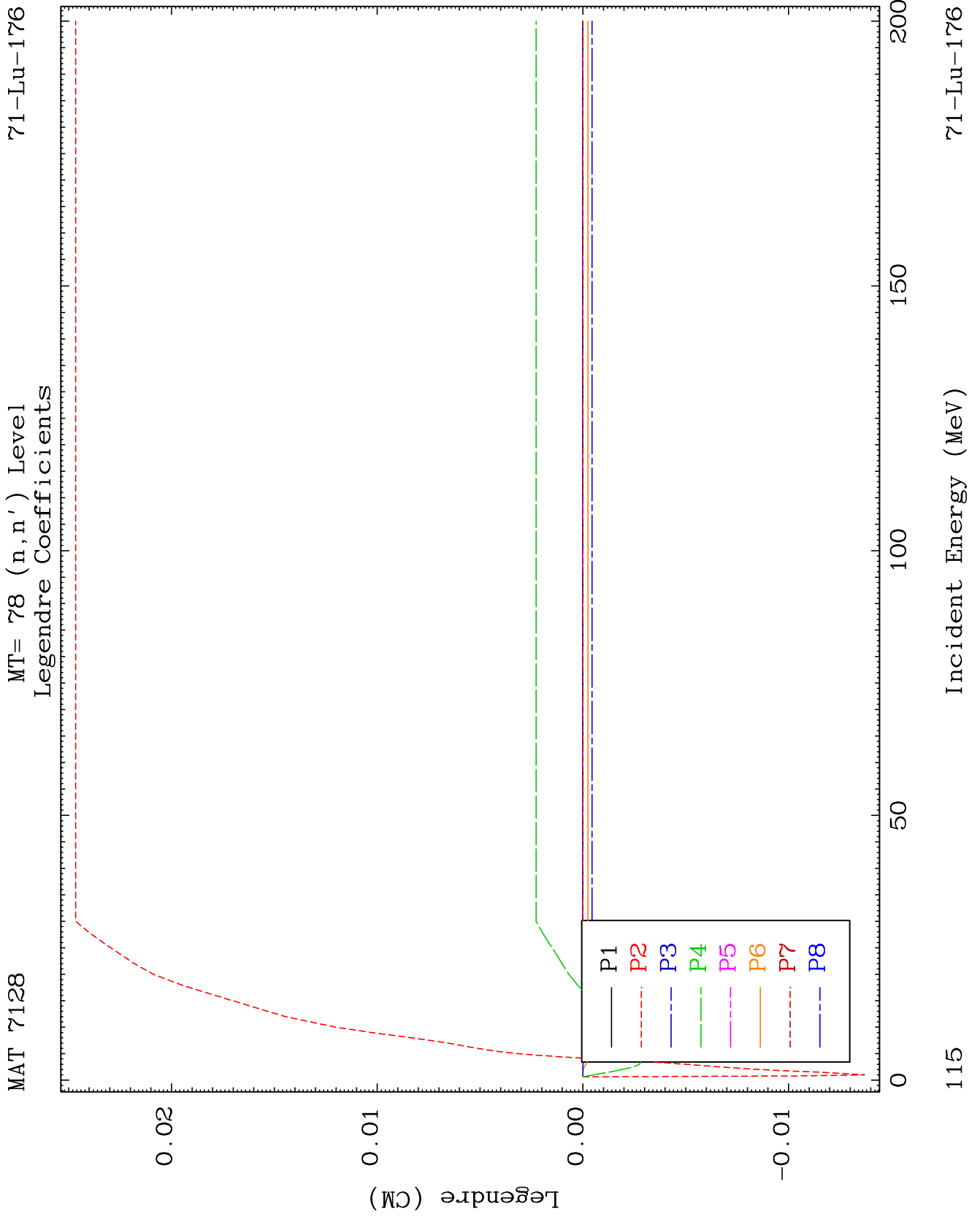


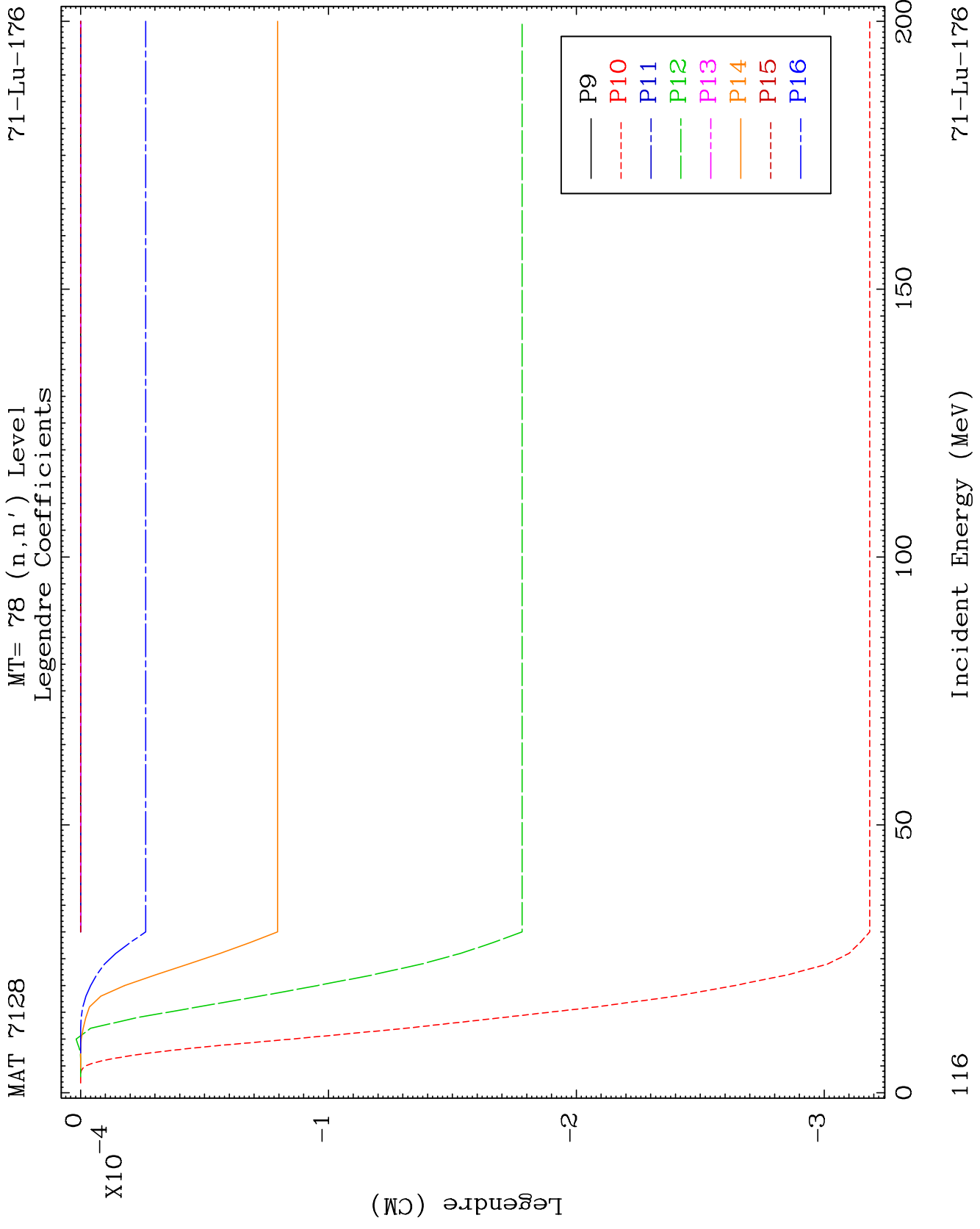
71-Lu-176

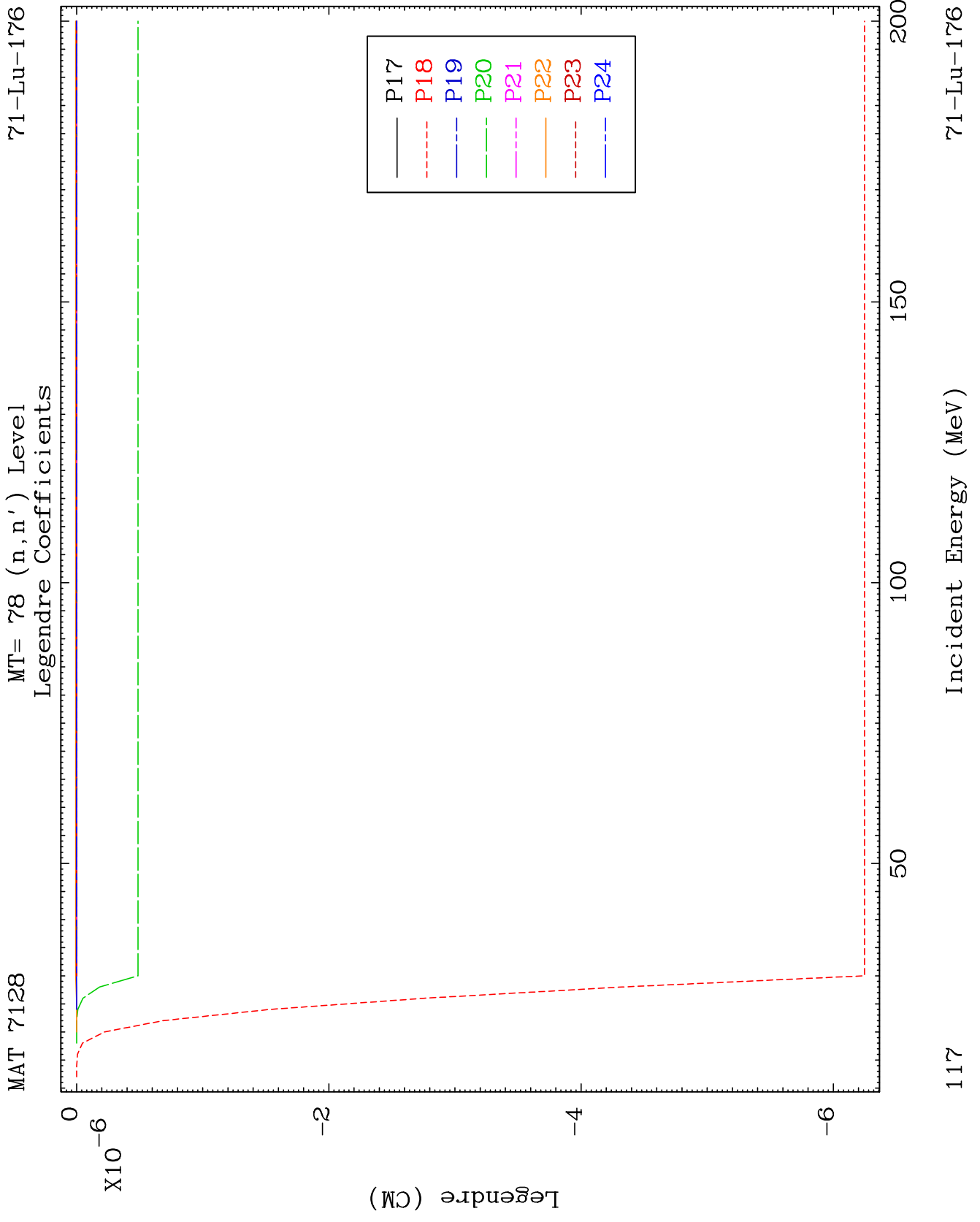
Incident Energy (MeV)

113





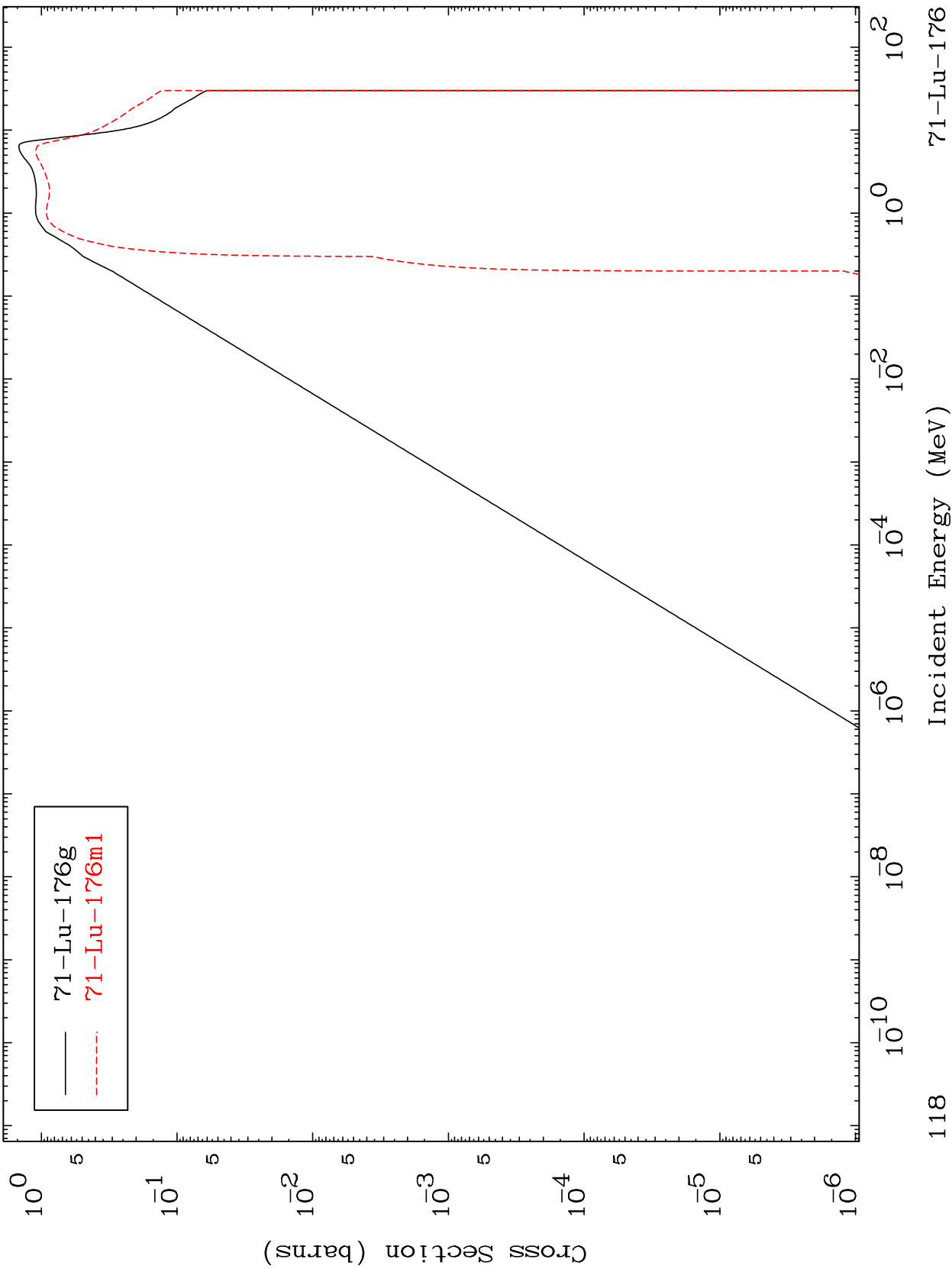




MAT 7128

71-Lu-176

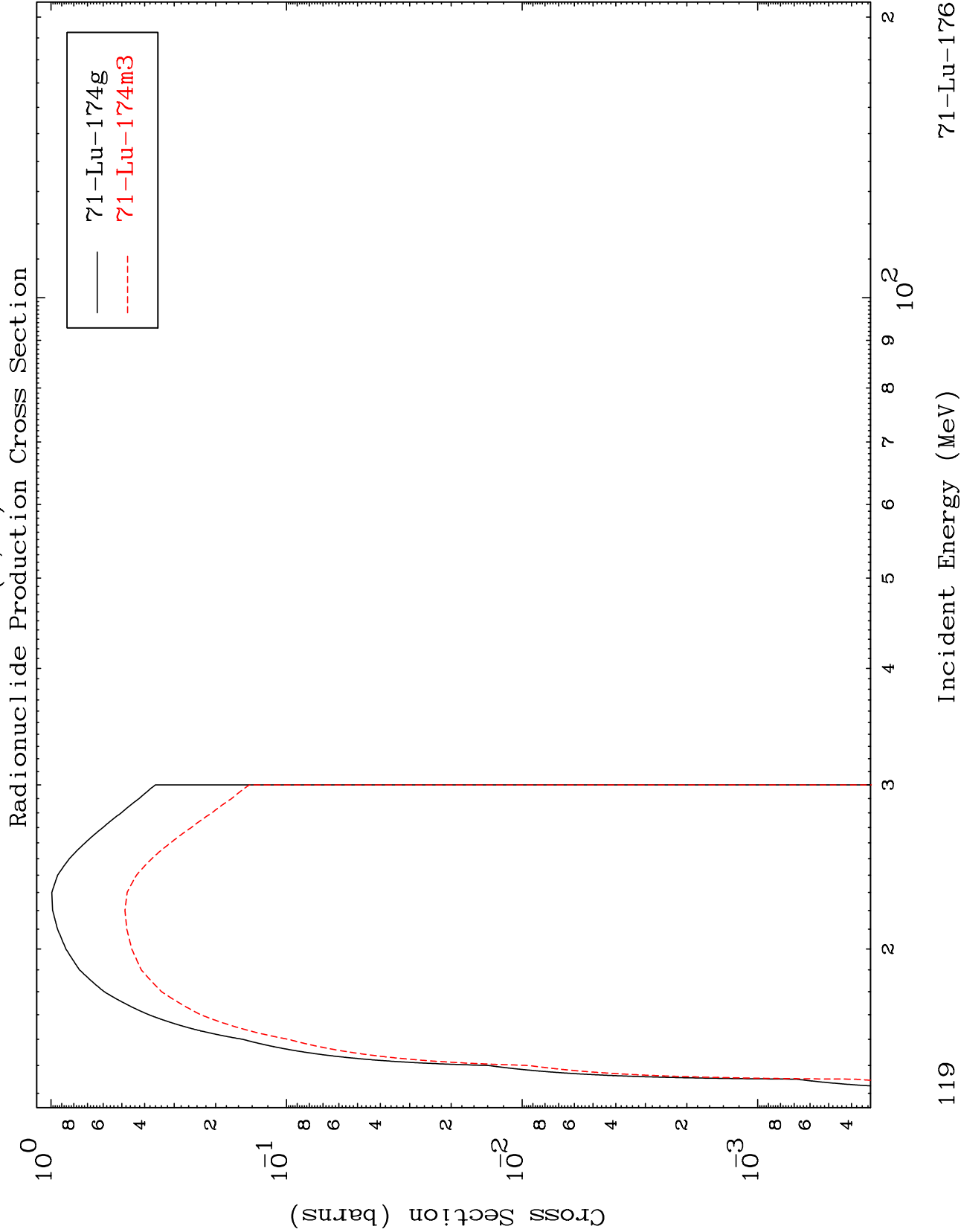
Inelastic
Radionuclide Production Cross Section



MAT 7128

(n,3n)

⁷¹Lu-176



119

Incident Energy (MeV)

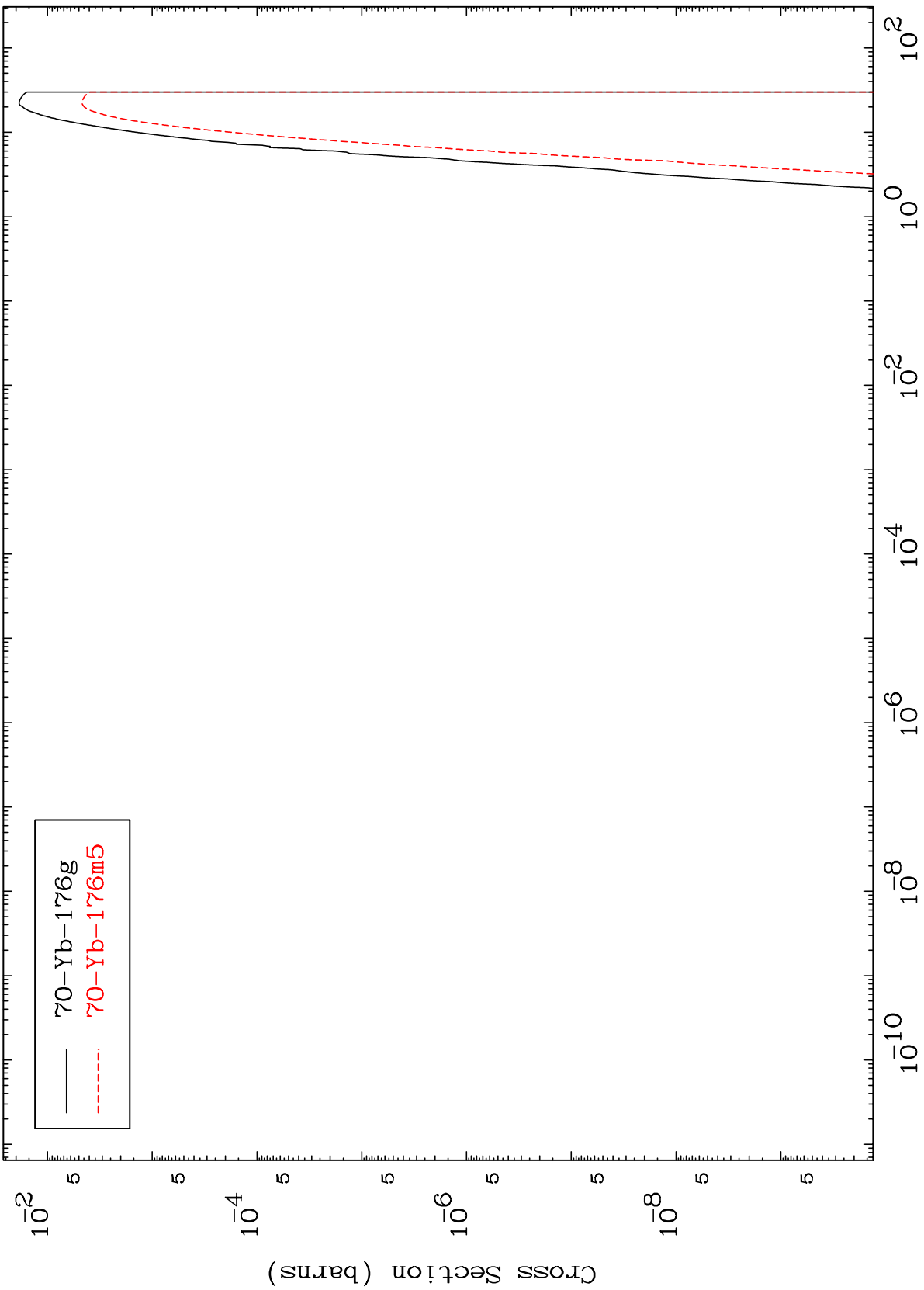
⁷¹Lu-176

MAT 7128

(n,p)

⁷¹Lu-176

Radionuclide Production Cross Section



— ⁷⁰Yb-176g
- - - ⁷⁰Yb-176m5

120

Incident Energy (MeV)

⁷¹Lu-176