

Program EVALPLOT
(Version 2021-1)

by

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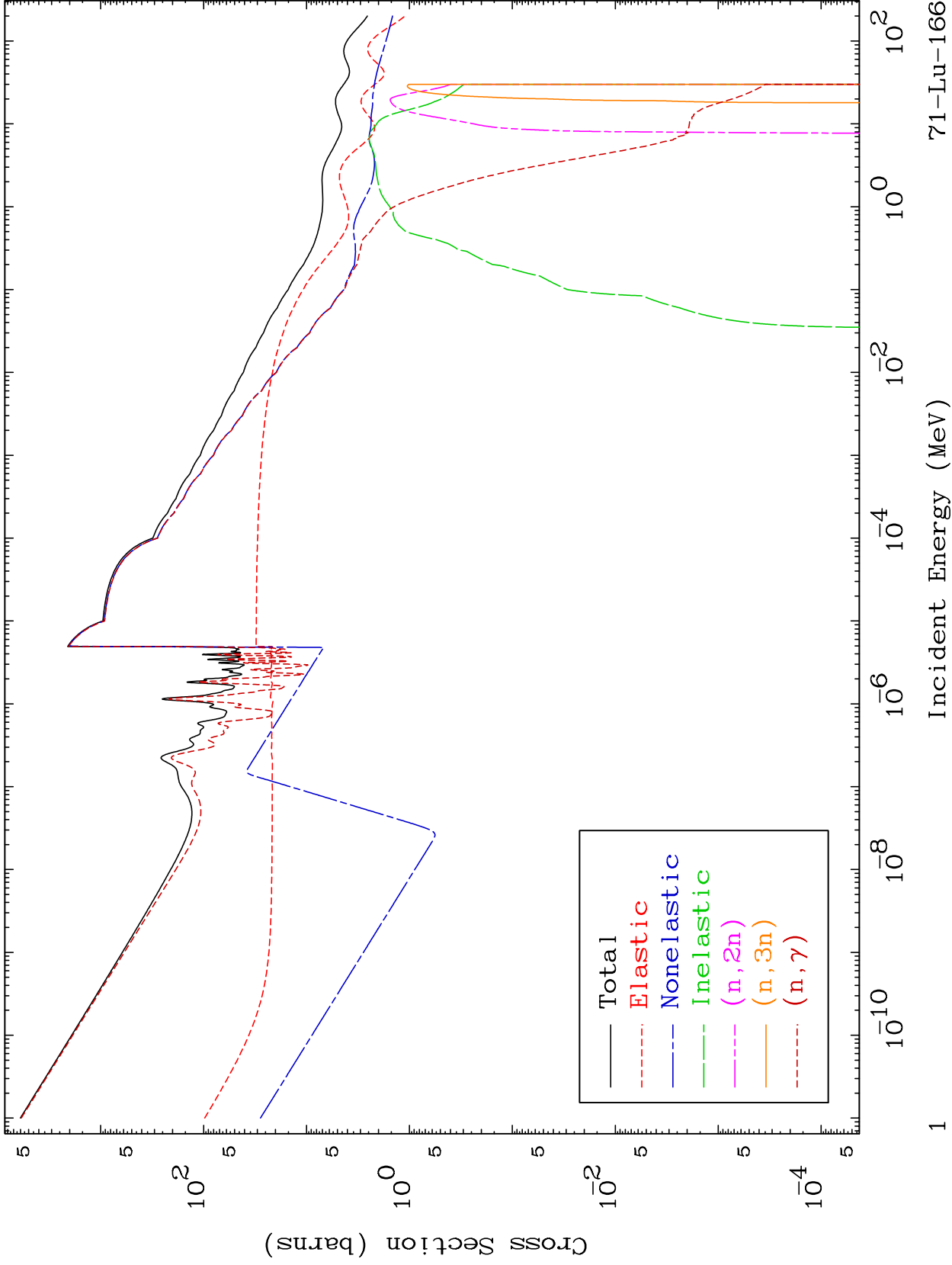
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7098

Neutron Major
293 Kelvin Cross Sections

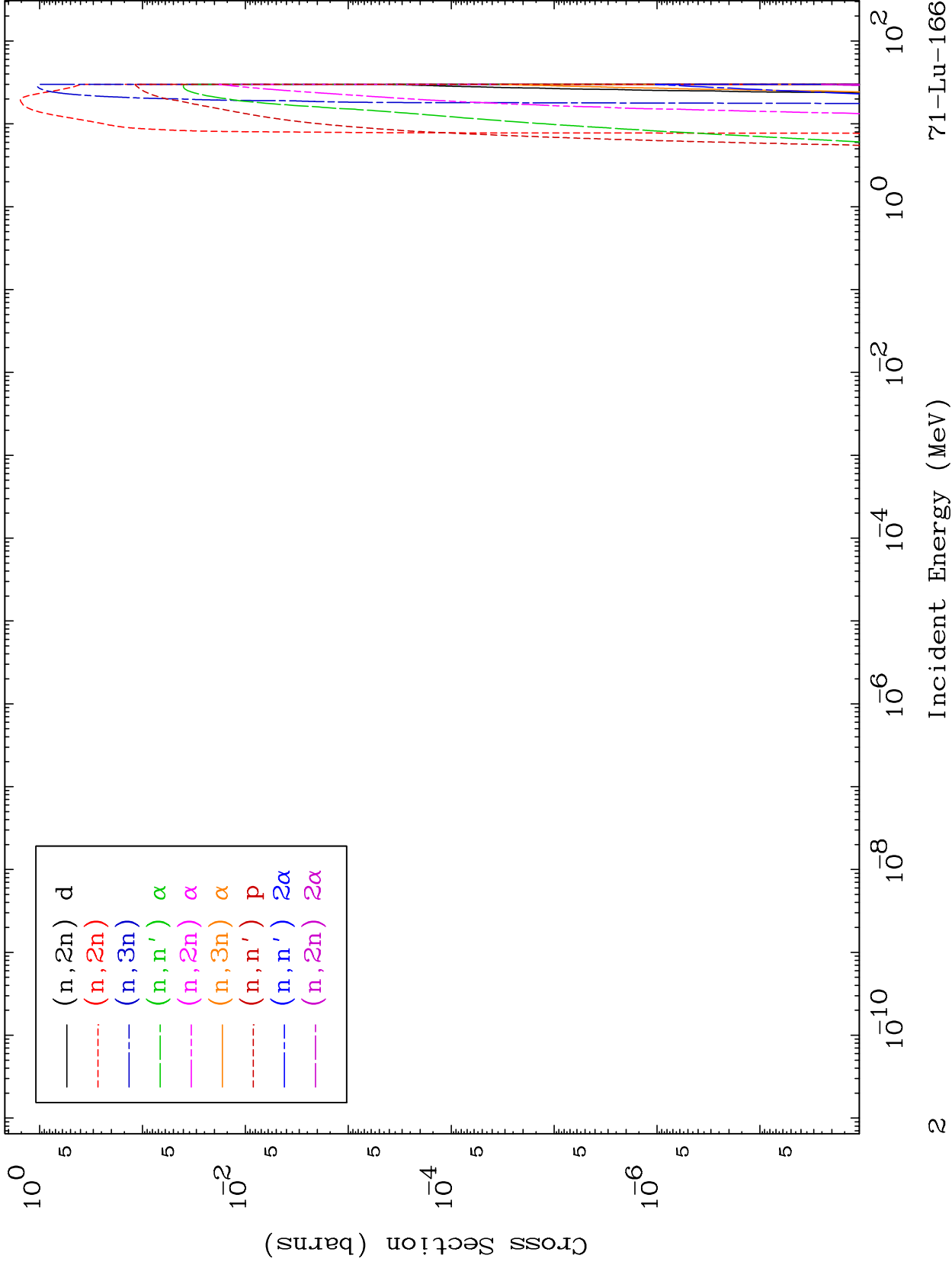
71-Lu-166

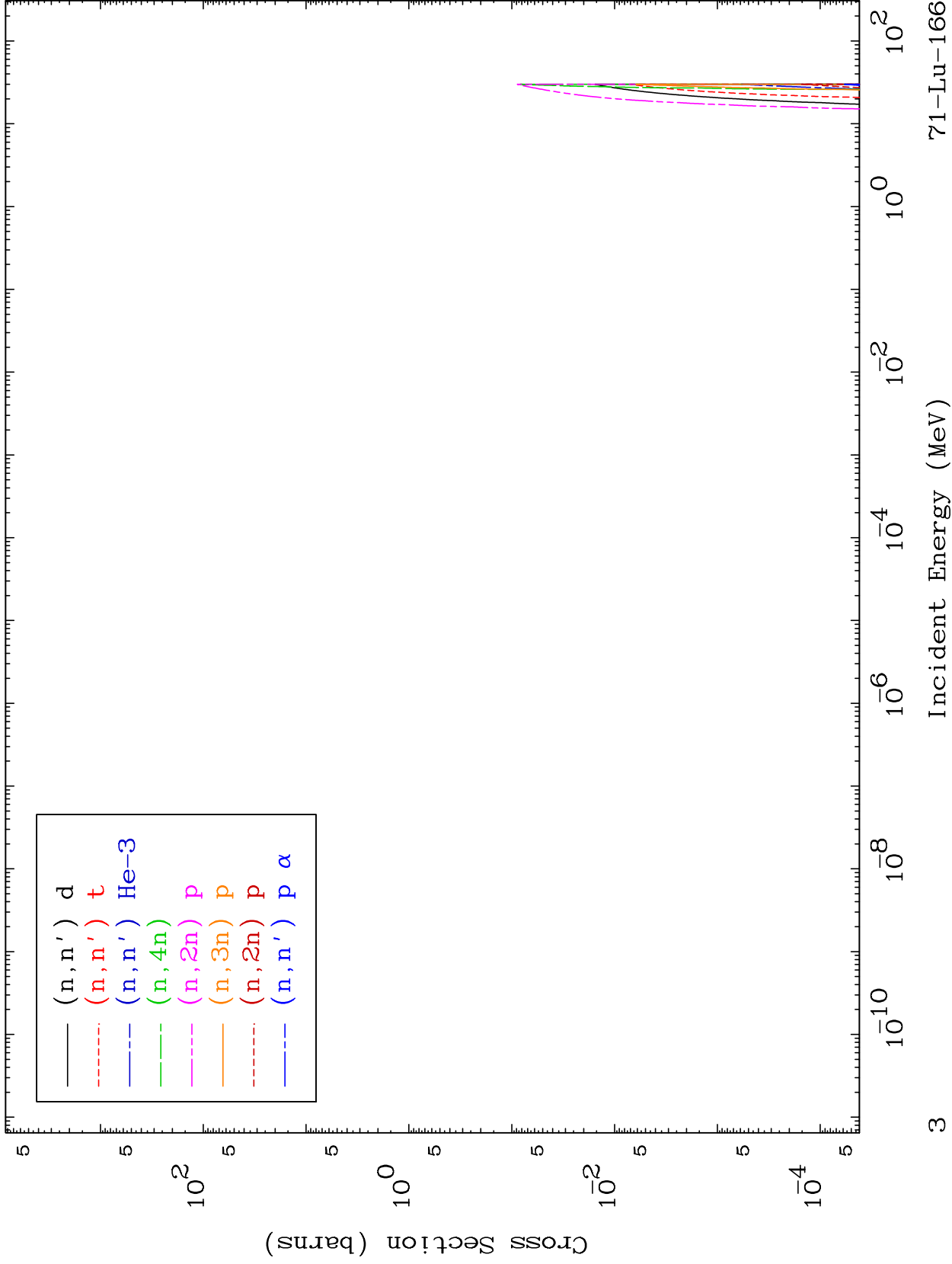


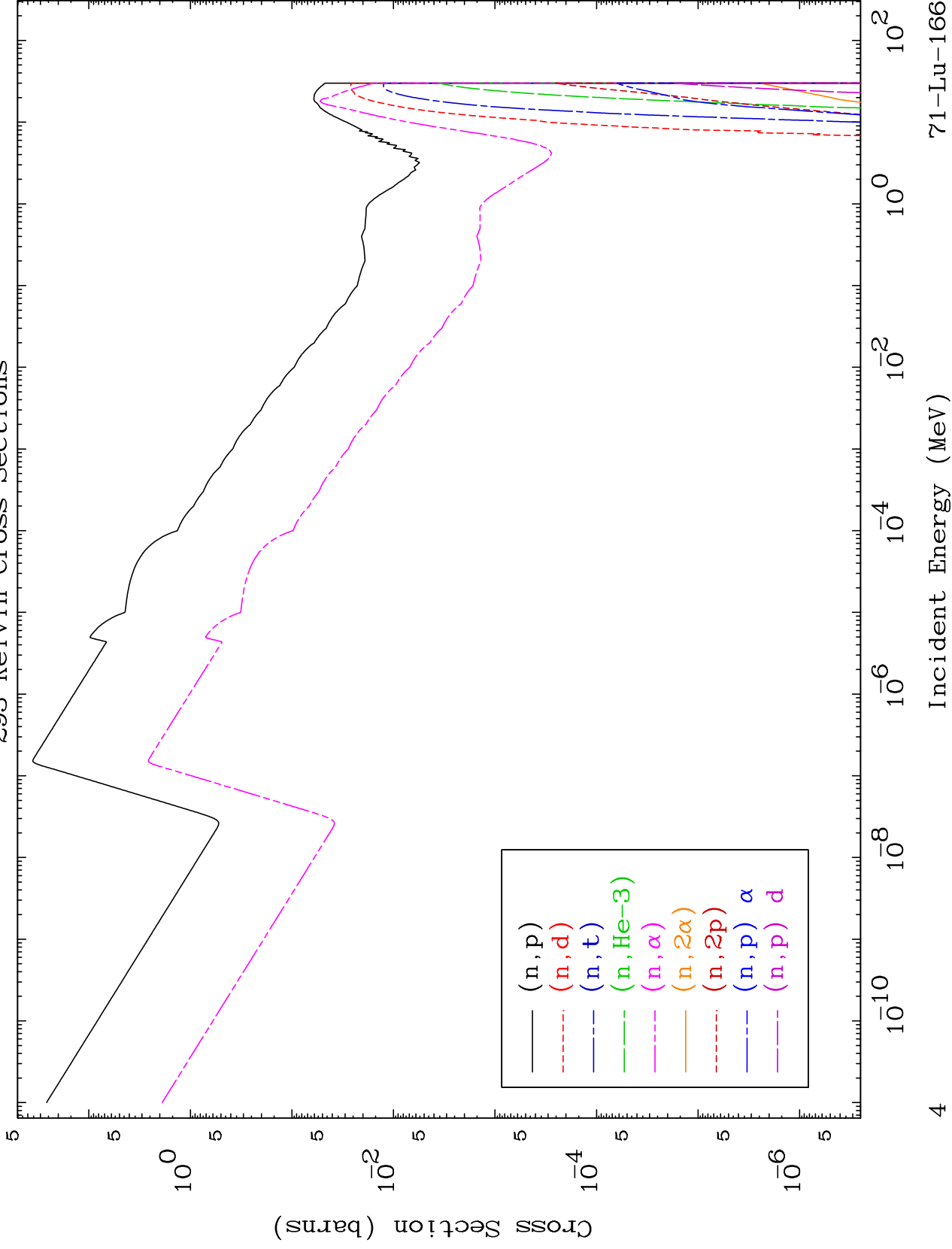
MAT 7098

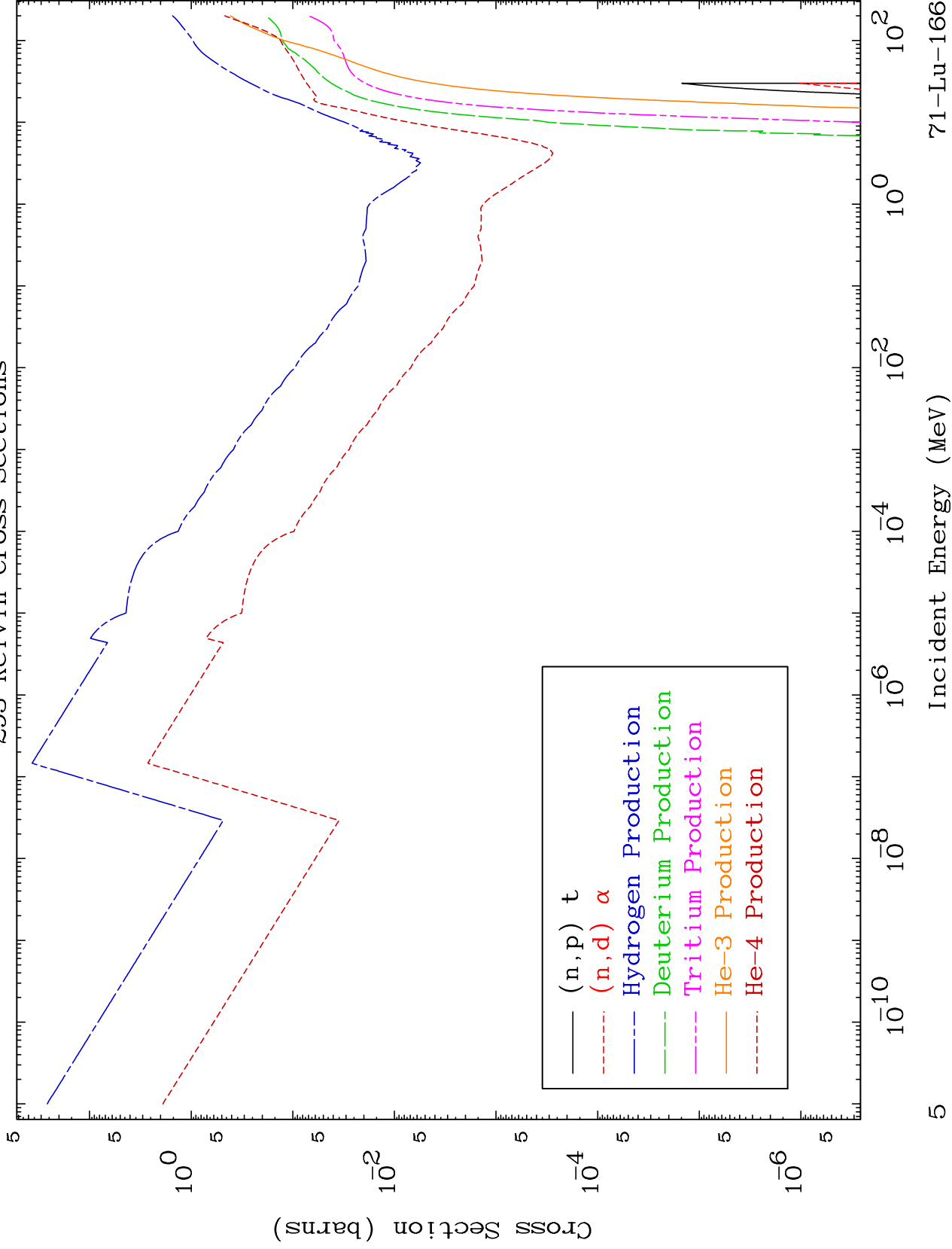
Neutron Absorption
293 Kelvin Cross Sections

71-Lu-166





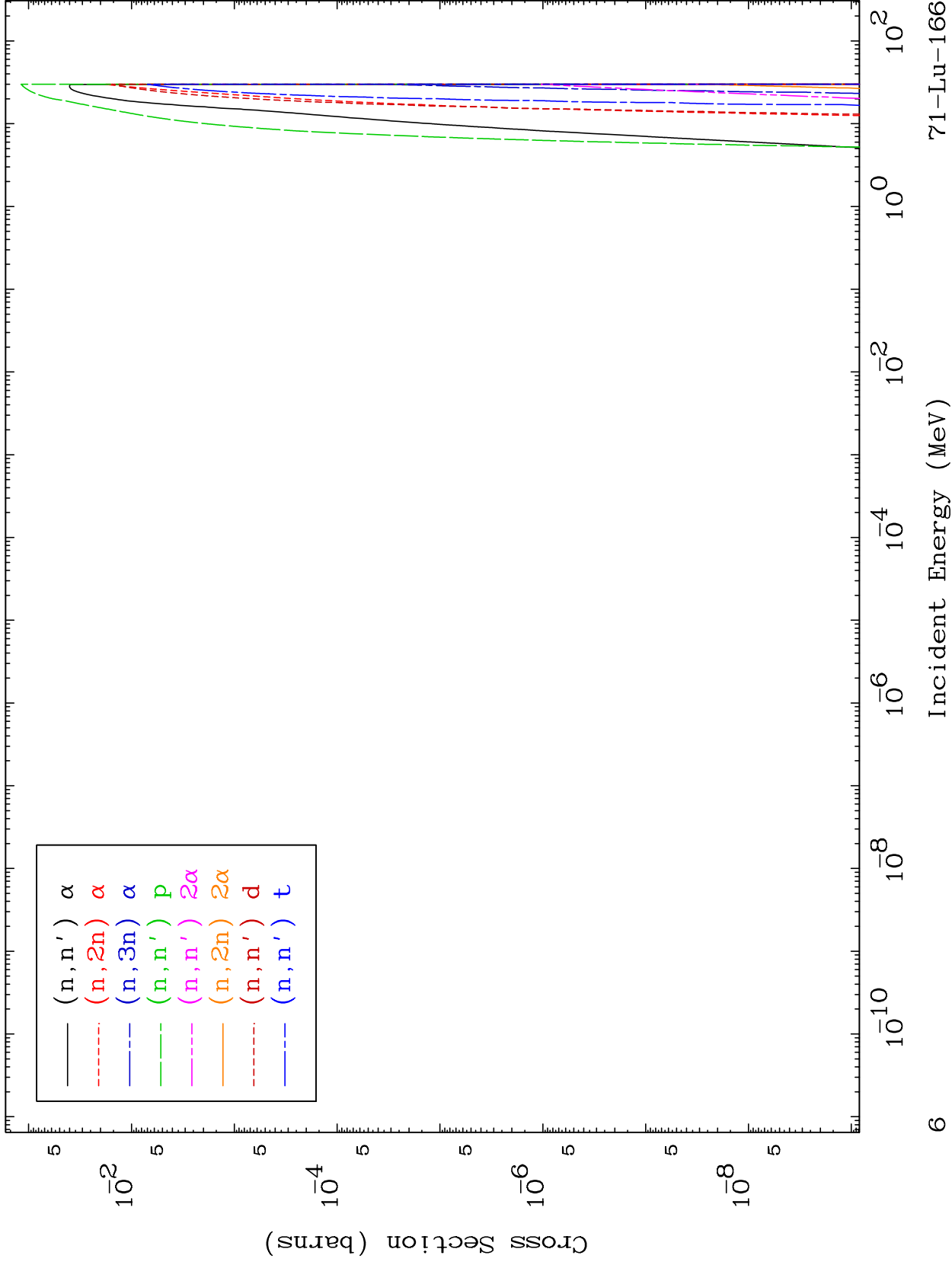




MAT 7098

Charged Particle
293 Kelvin Cross Sections

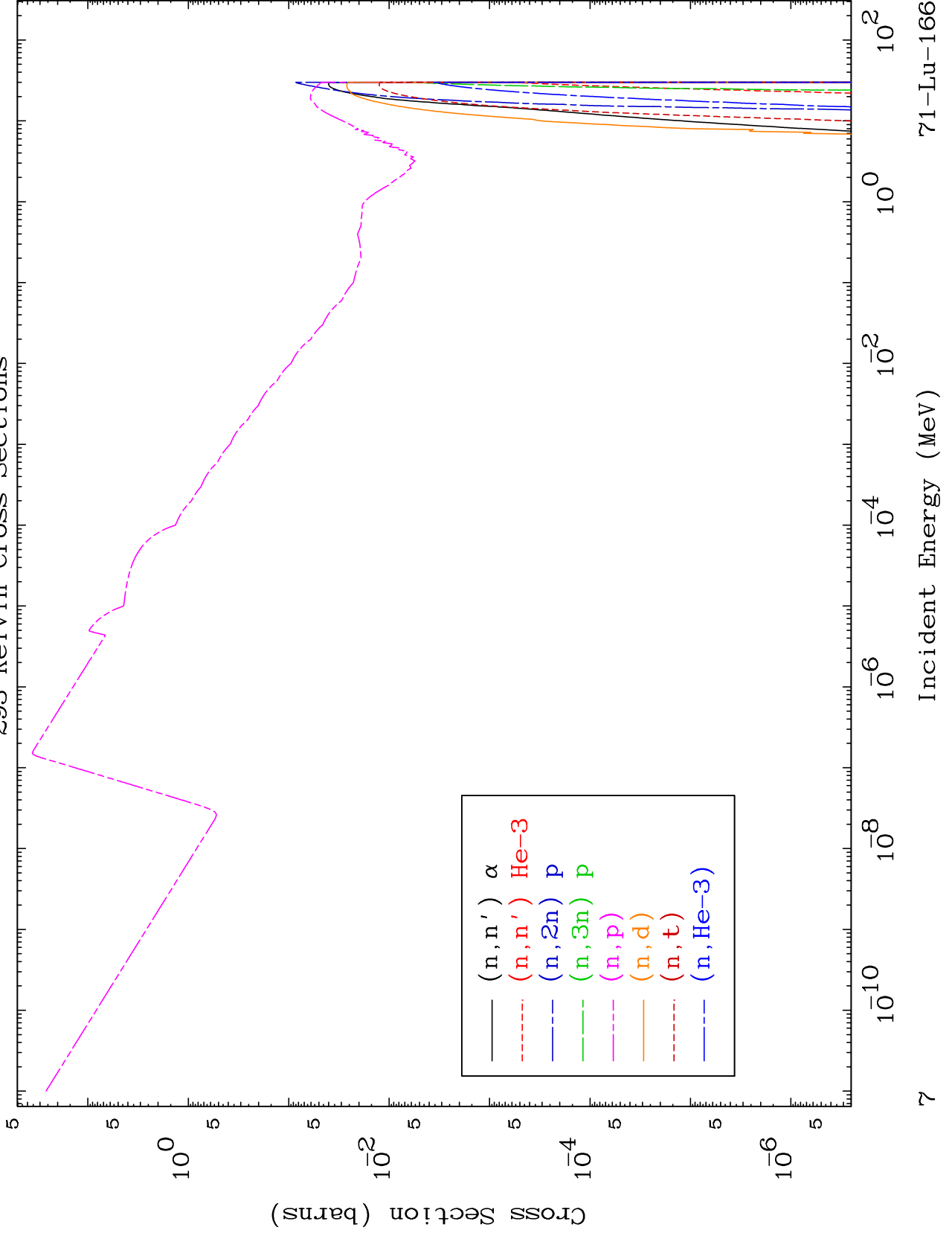
71-Lu-166



MAT 7098

Charged Particle
293 Kelvin Cross Sections

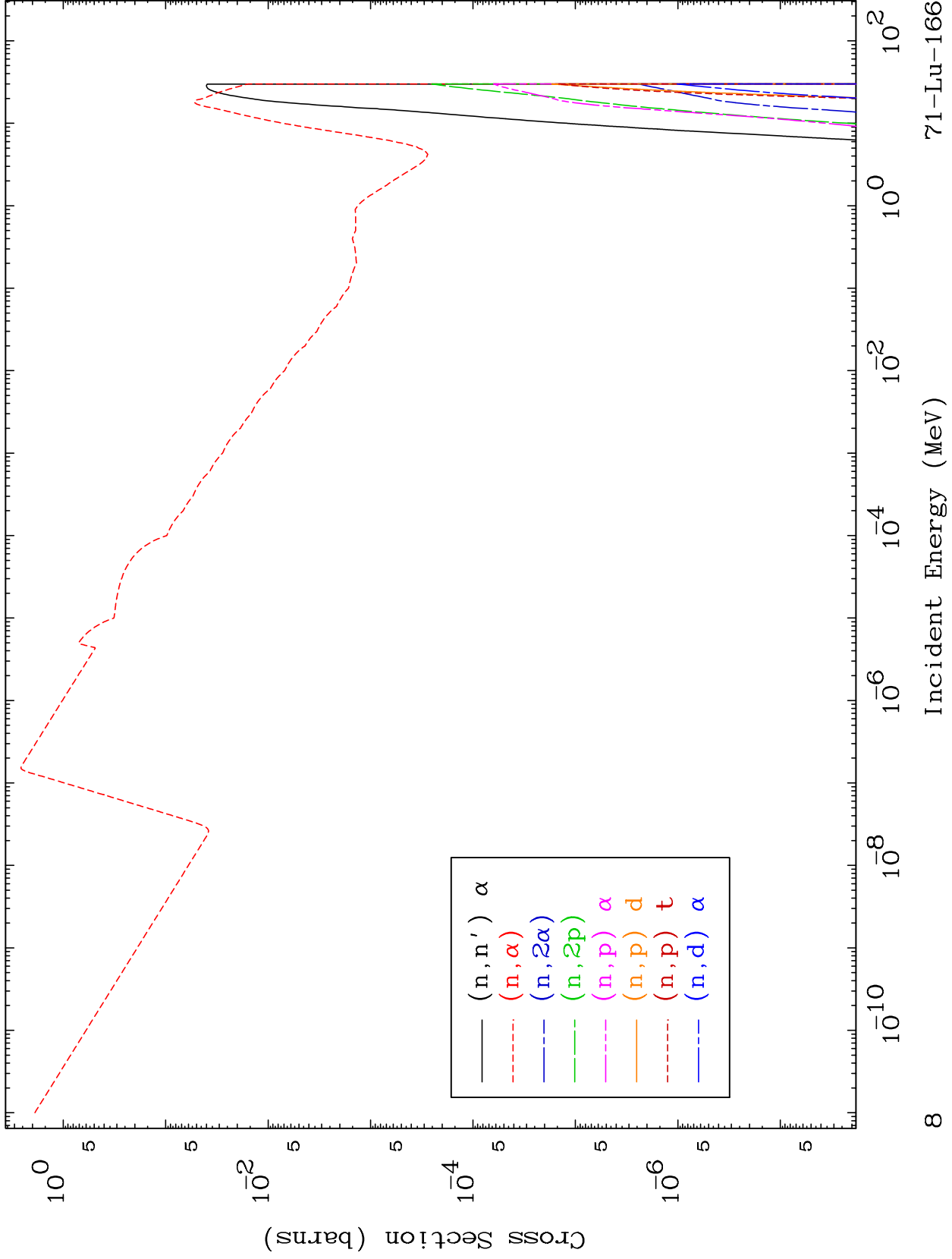
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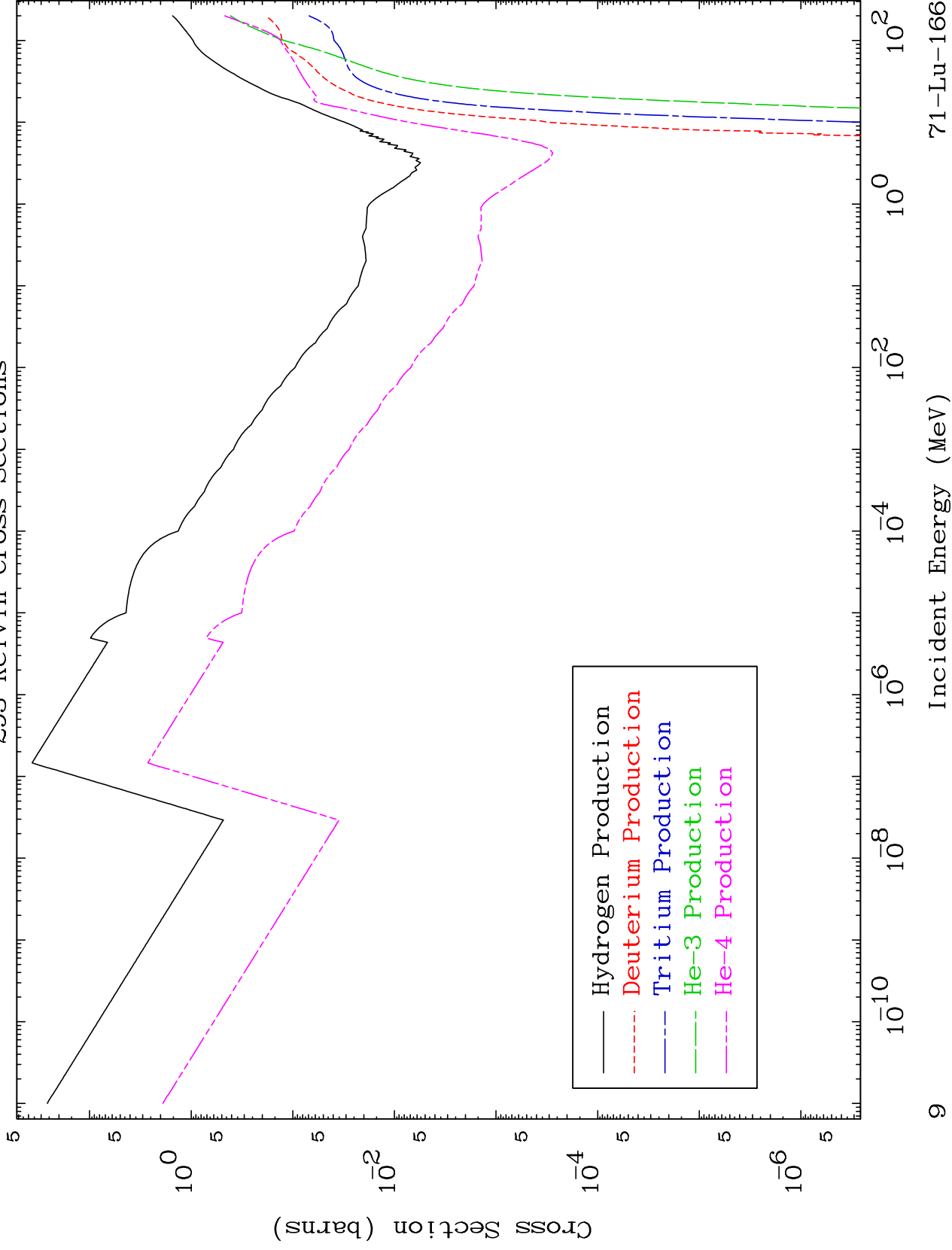


MAT 7098

Charged Particle
293 Kelvin Cross Sections

71-Lu-166

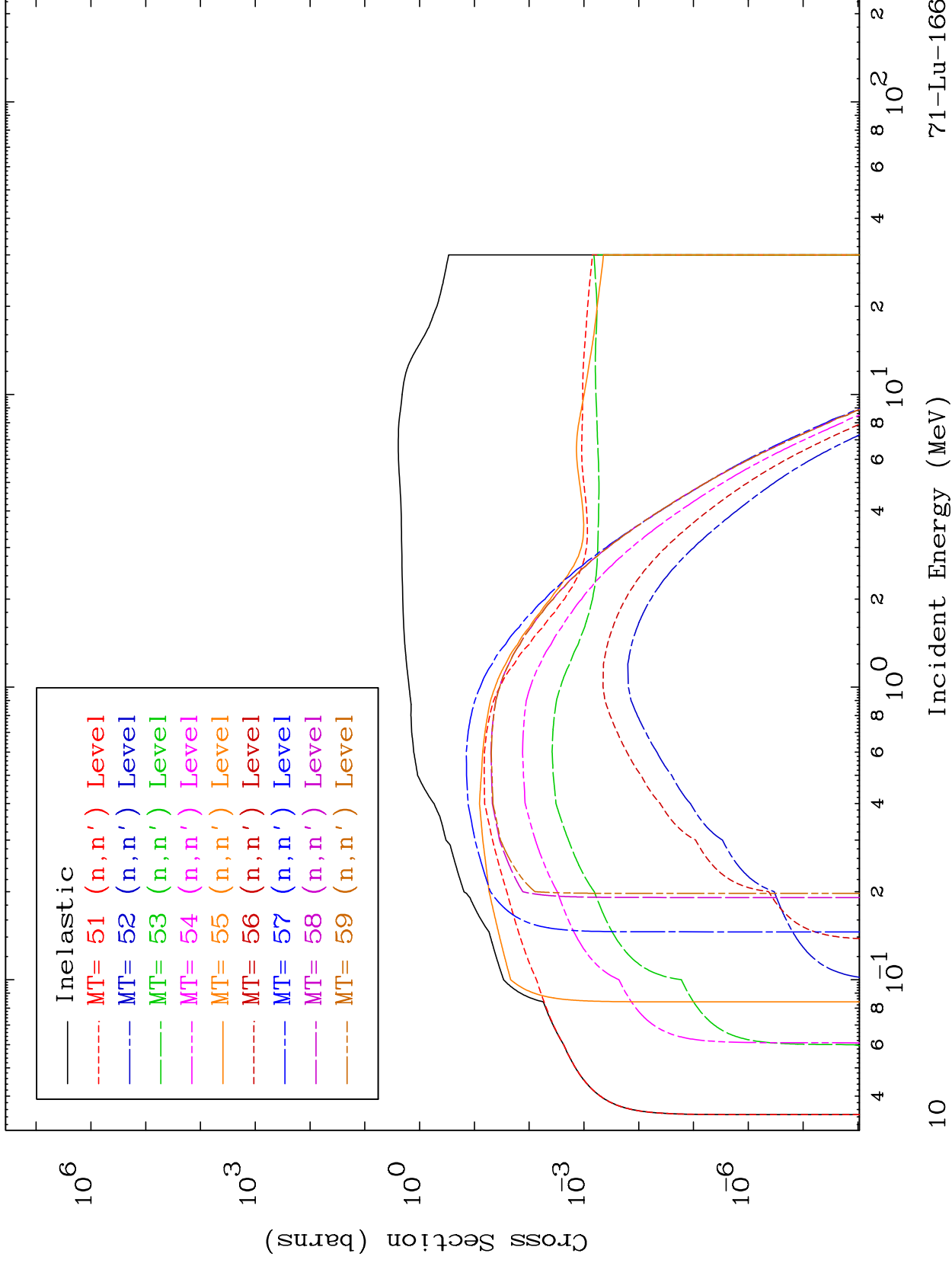




MAT 7098

(n,n') Levels
293 Kelvin Cross Sections

71-Lu-166



10

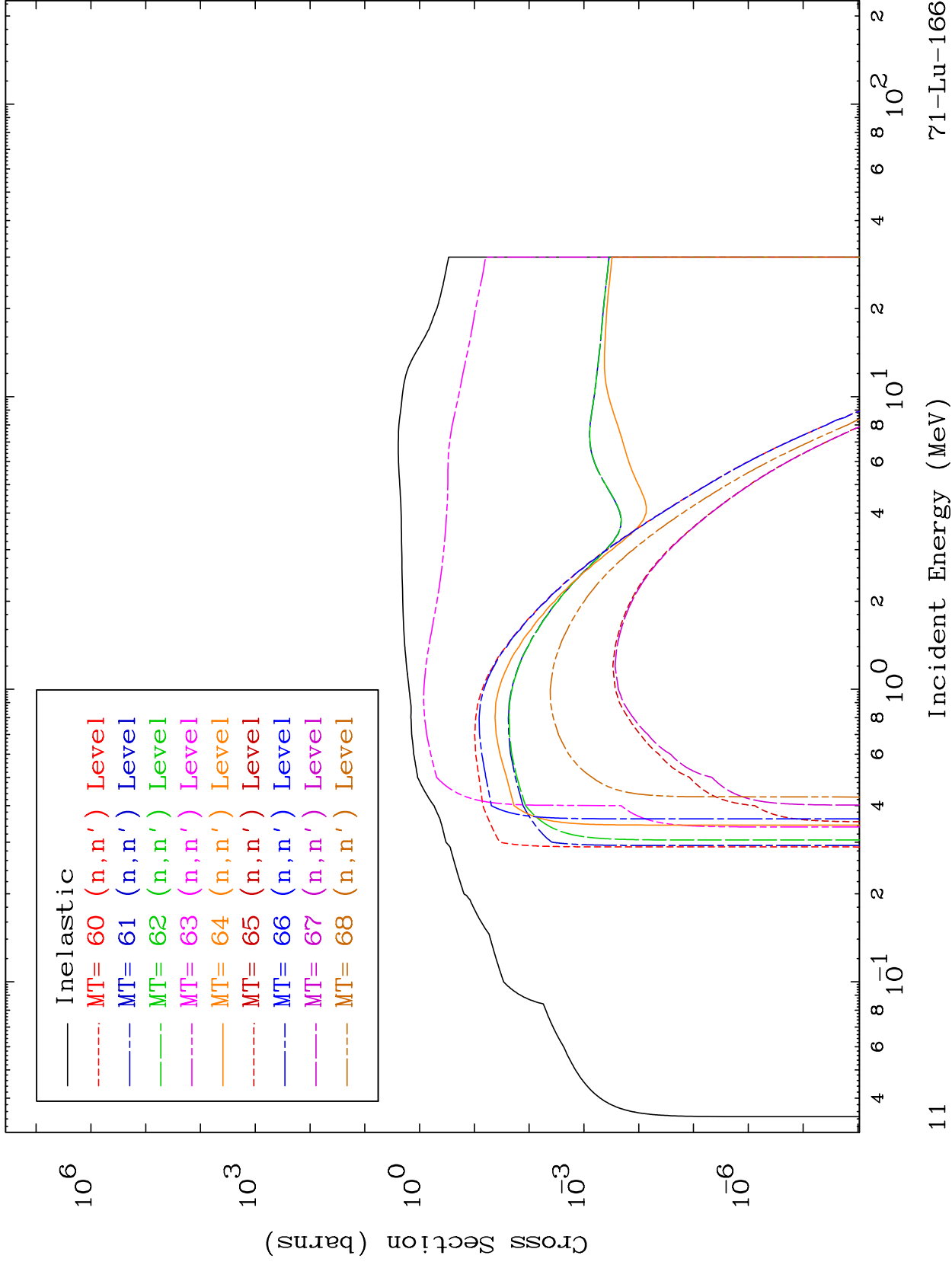
Incident Energy (MeV)

71-Lu-166

MAT 7098

(n,n') Levels
293 Kelvin Cross Sections

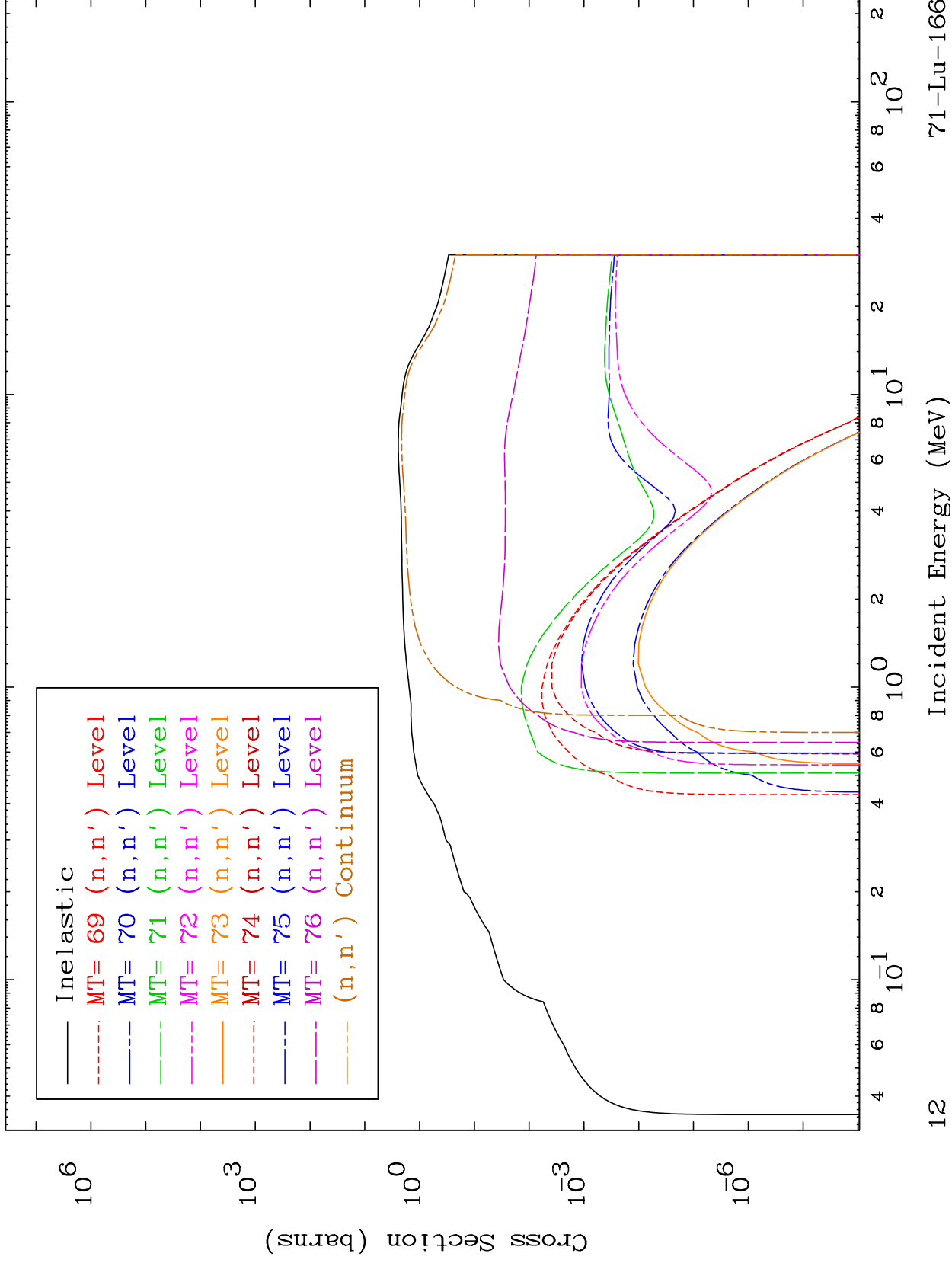
71-Lu-166



MAT 7098

(n,n') Levels
293 Kelvin Cross Sections

71-Lu-166



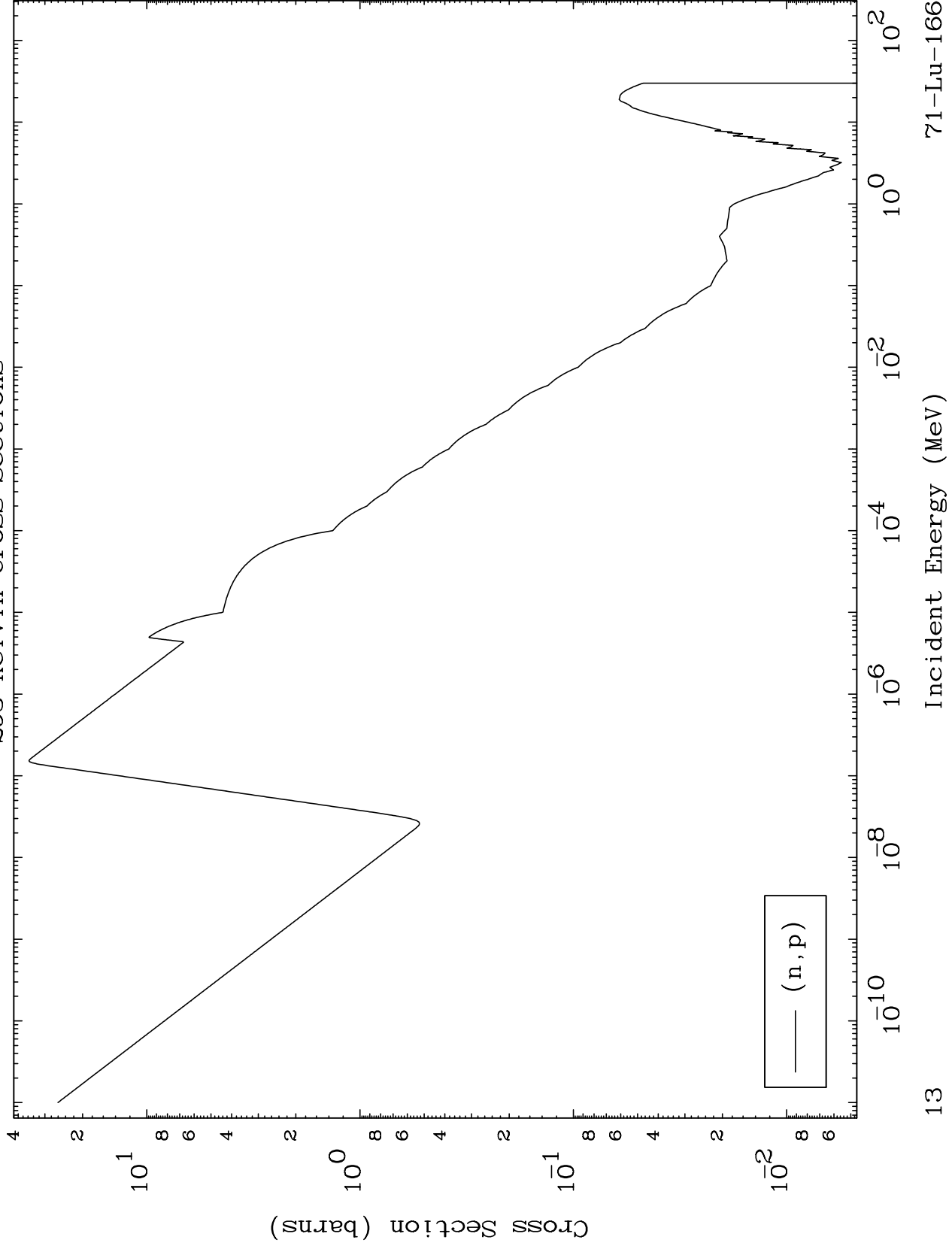
12

71-Lu-166

MAT 7098

(n,p) Levels
293 Kelvin Cross Sections

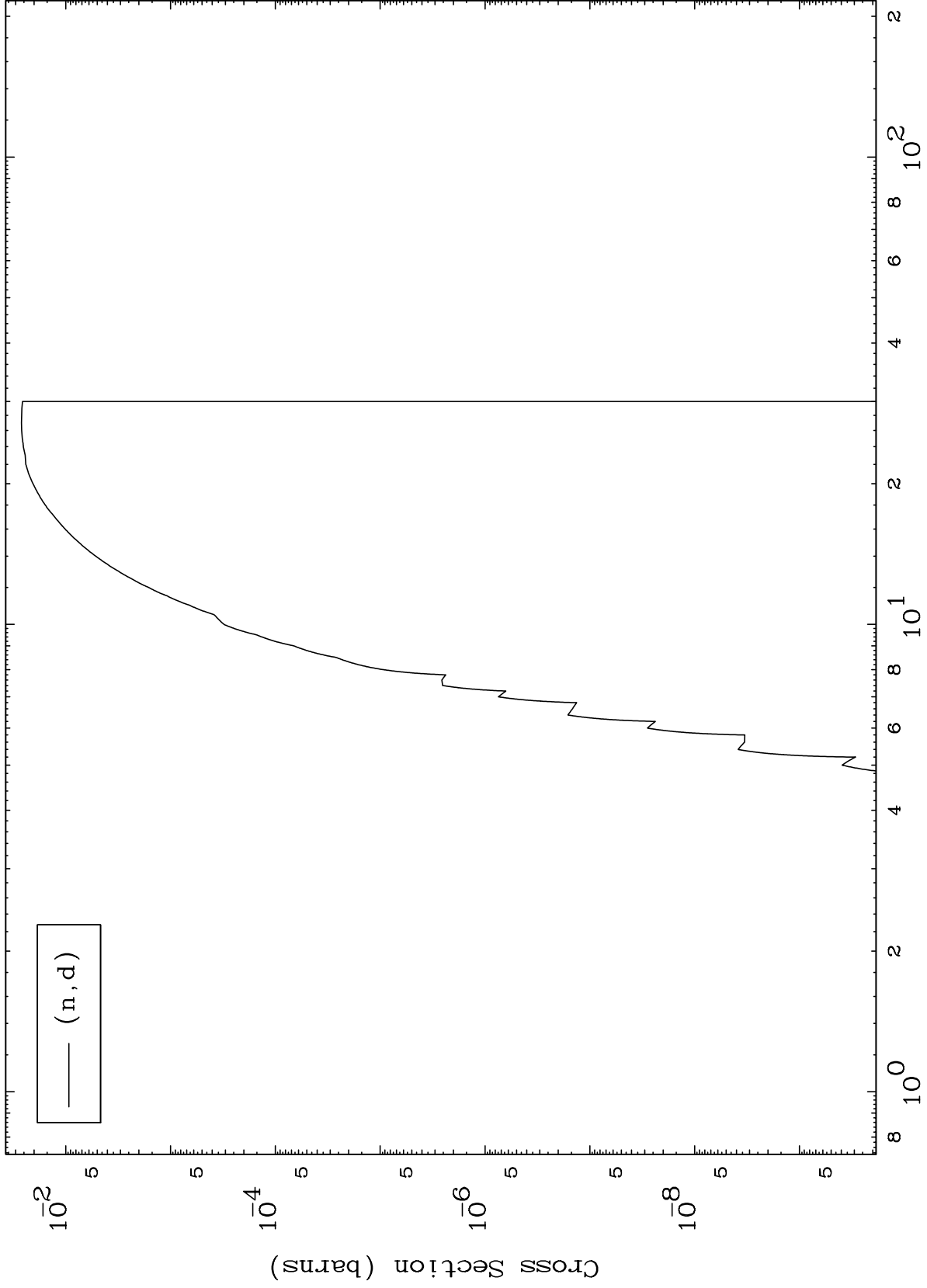
71-Lu-166



MAT 7098

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-166



14

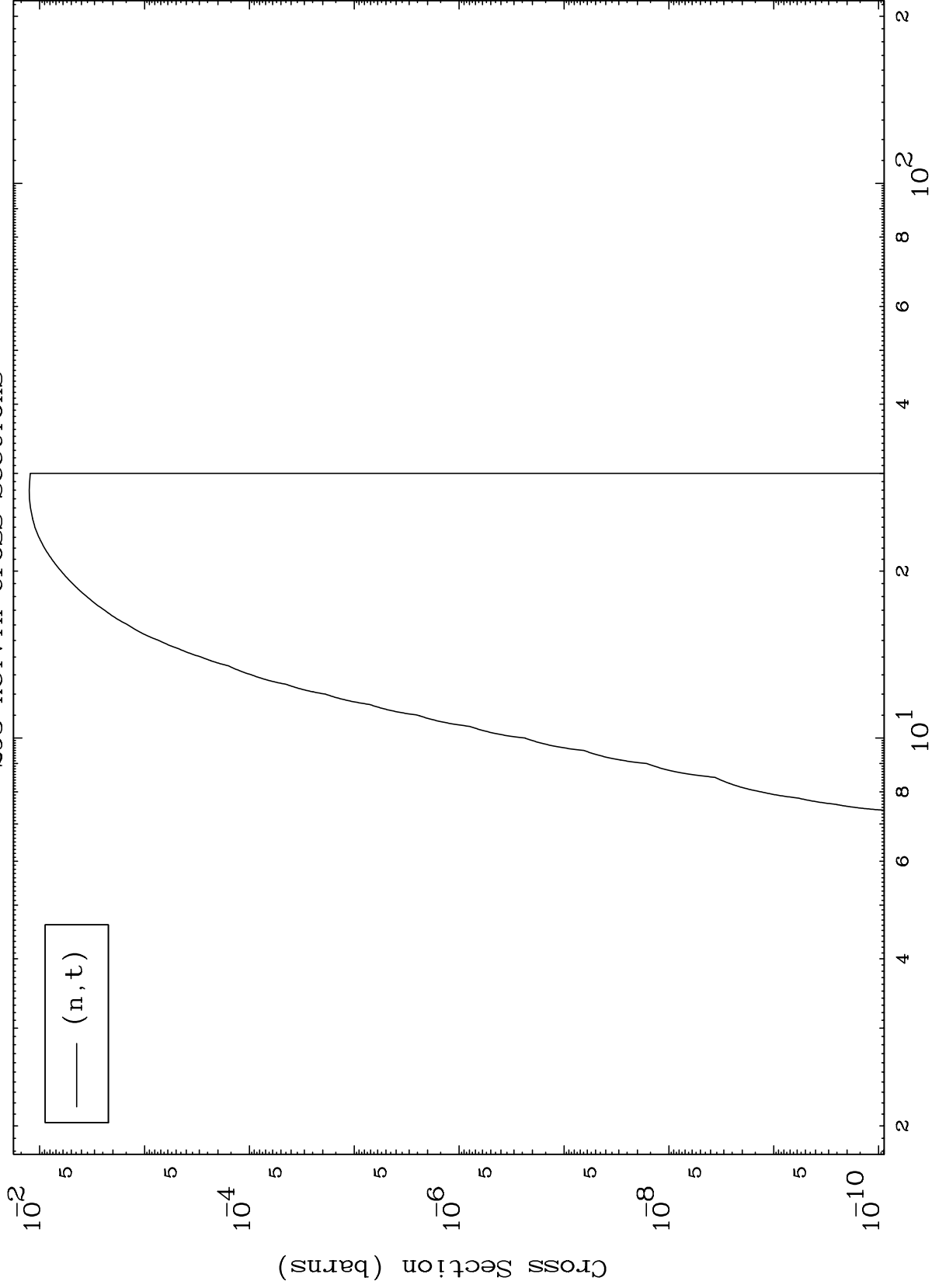
Incident Energy (MeV)

71-Lu-166

MAT 7098

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-166



15

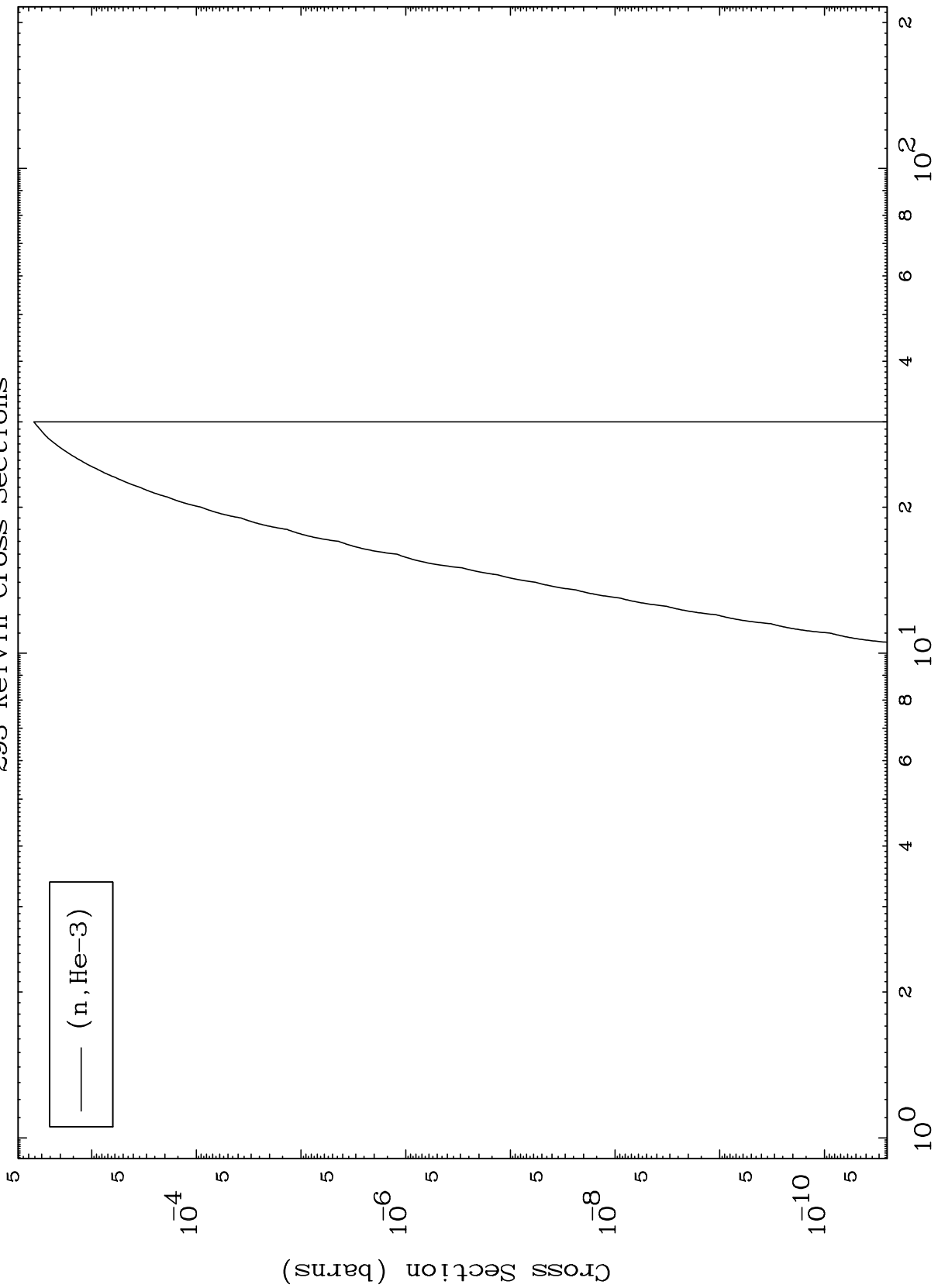
Incident Energy (MeV)

71-Lu-166

MAT 7098

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-166



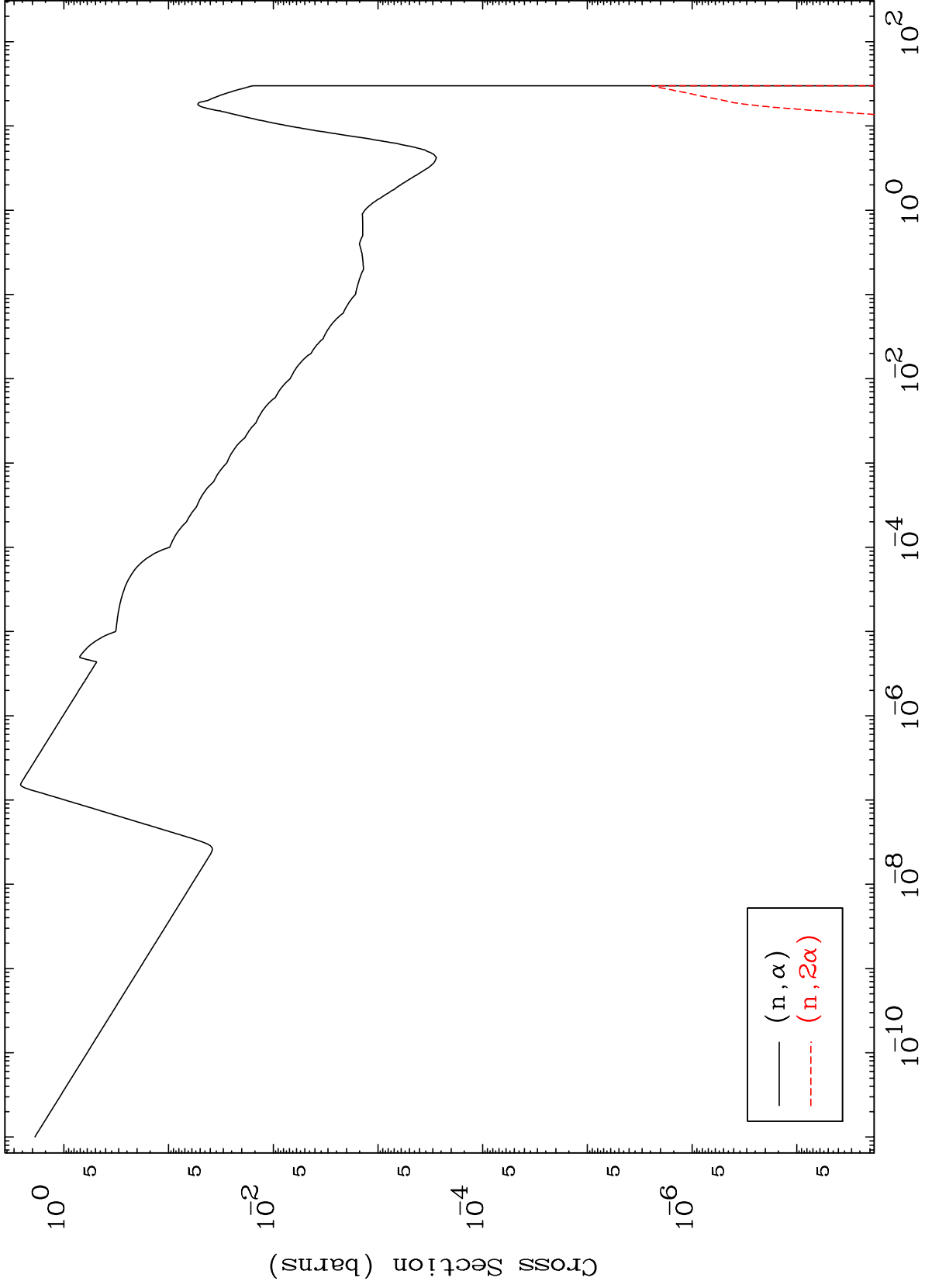
Incident Energy (MeV)

71-Lu-166

MAT 7098

(n,α) Levels
293 Kelvin Cross Sections

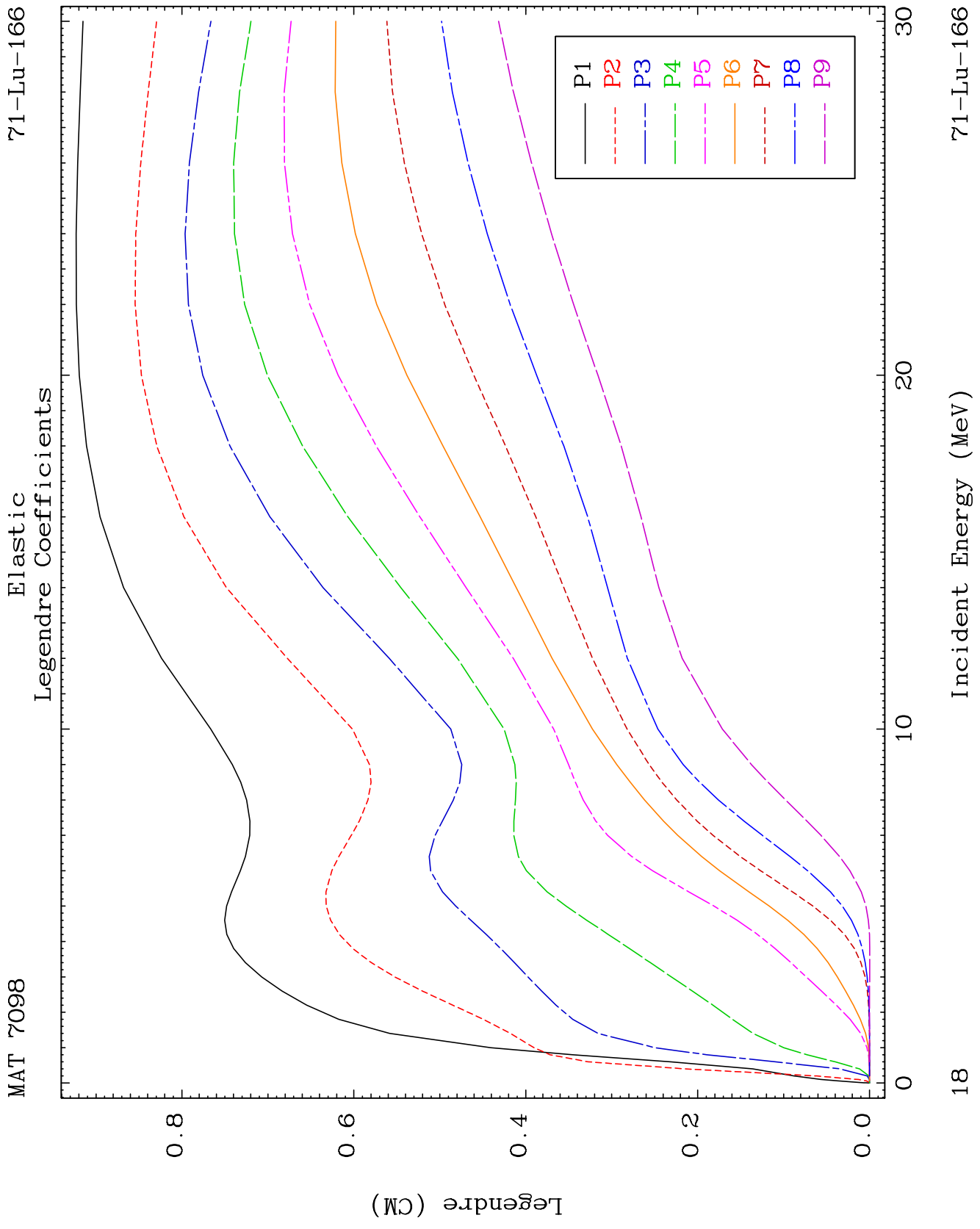
71-Lu-166



17

Incident Energy (MeV)

71-Lu-166



71-Lu-166

Incident Energy (MeV)

18

30

20

10

0

0.8

0.6

0.4

0.2

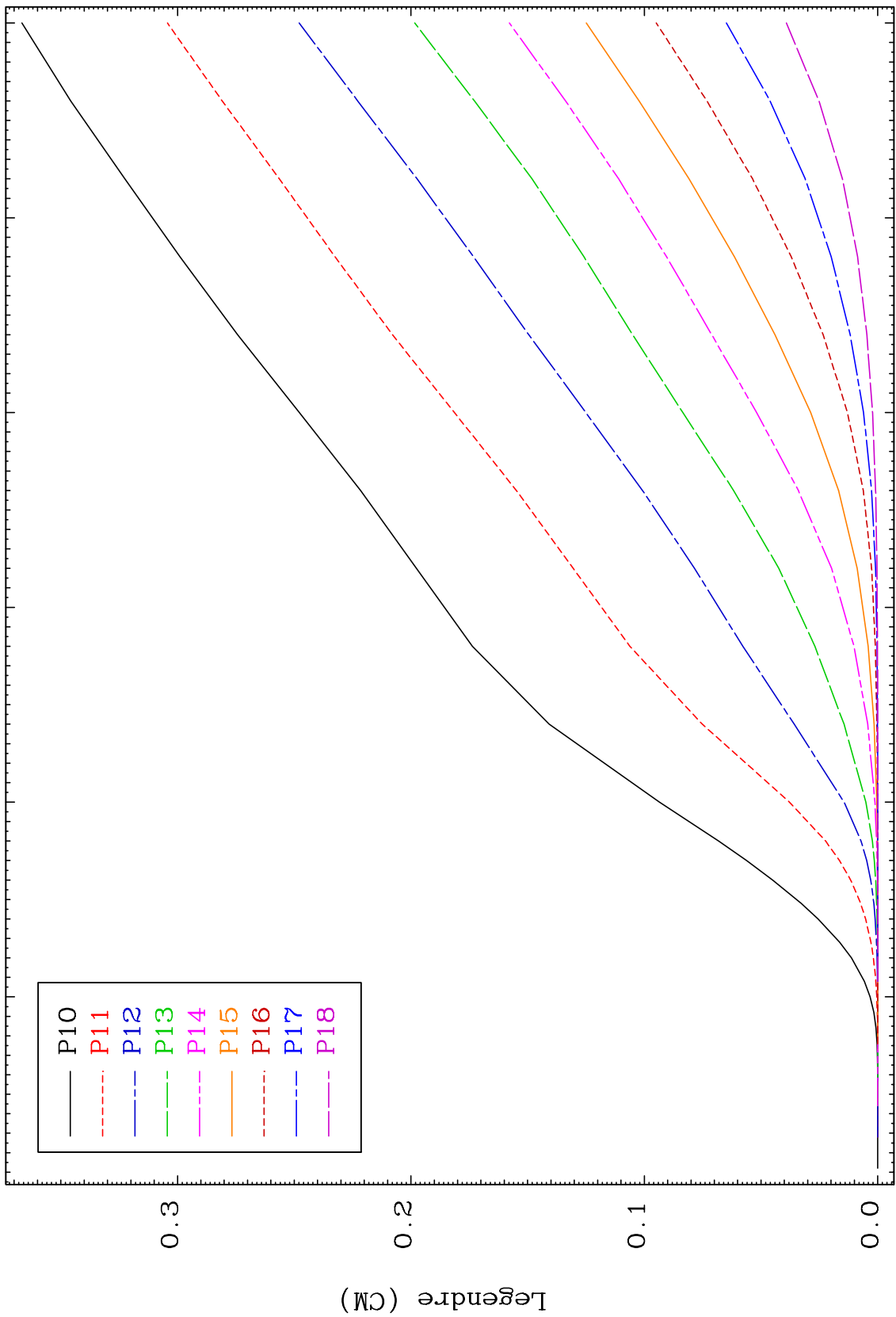
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Legendre (CM)

MAT 7098

Elastic Legendre Coefficients

⁷¹Lu-166



19

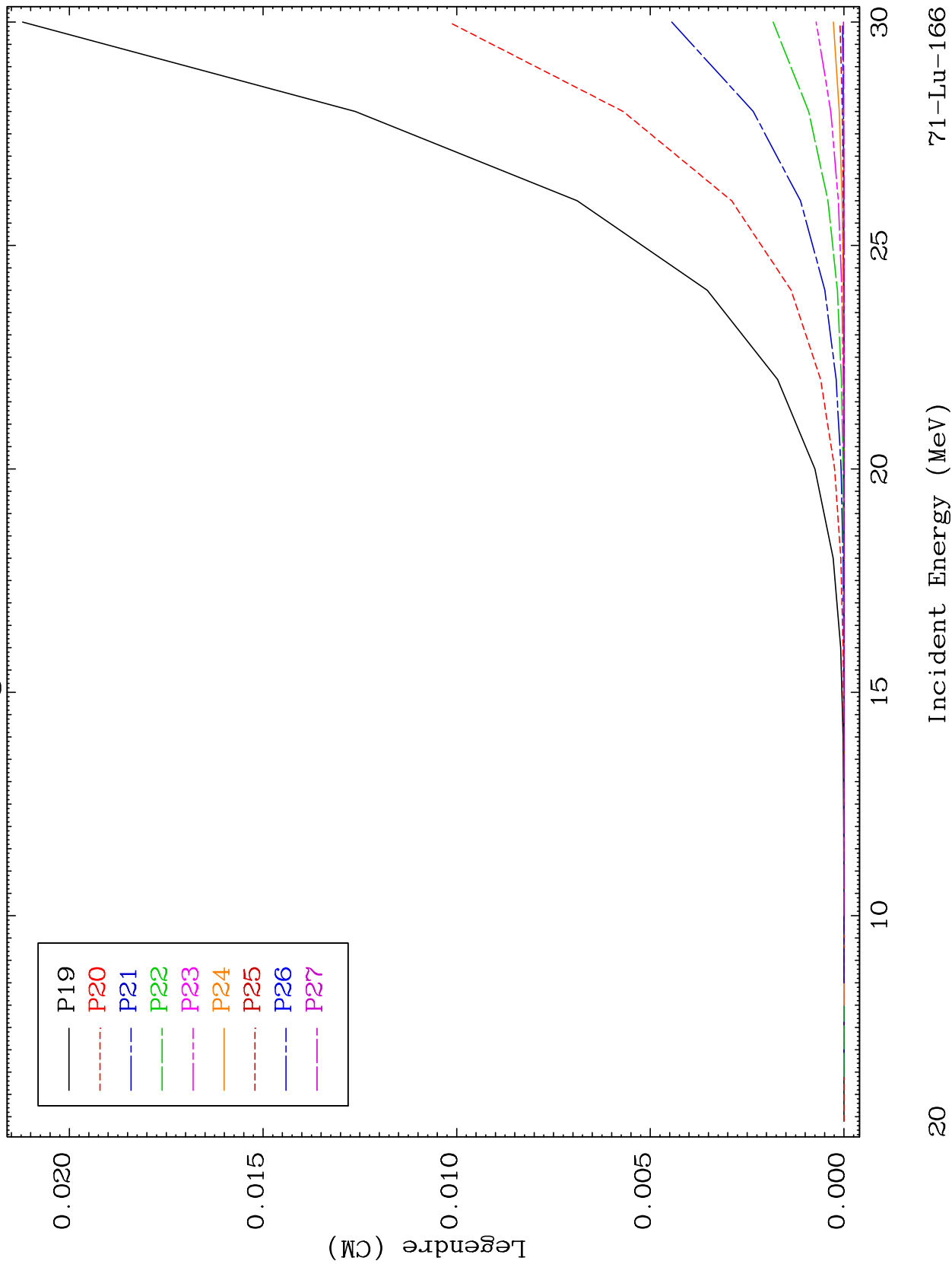
Incident Energy (MeV)

⁷¹Lu-166

MAT 7098

Elastic Legendre Coefficients

⁷¹Lu-166



20

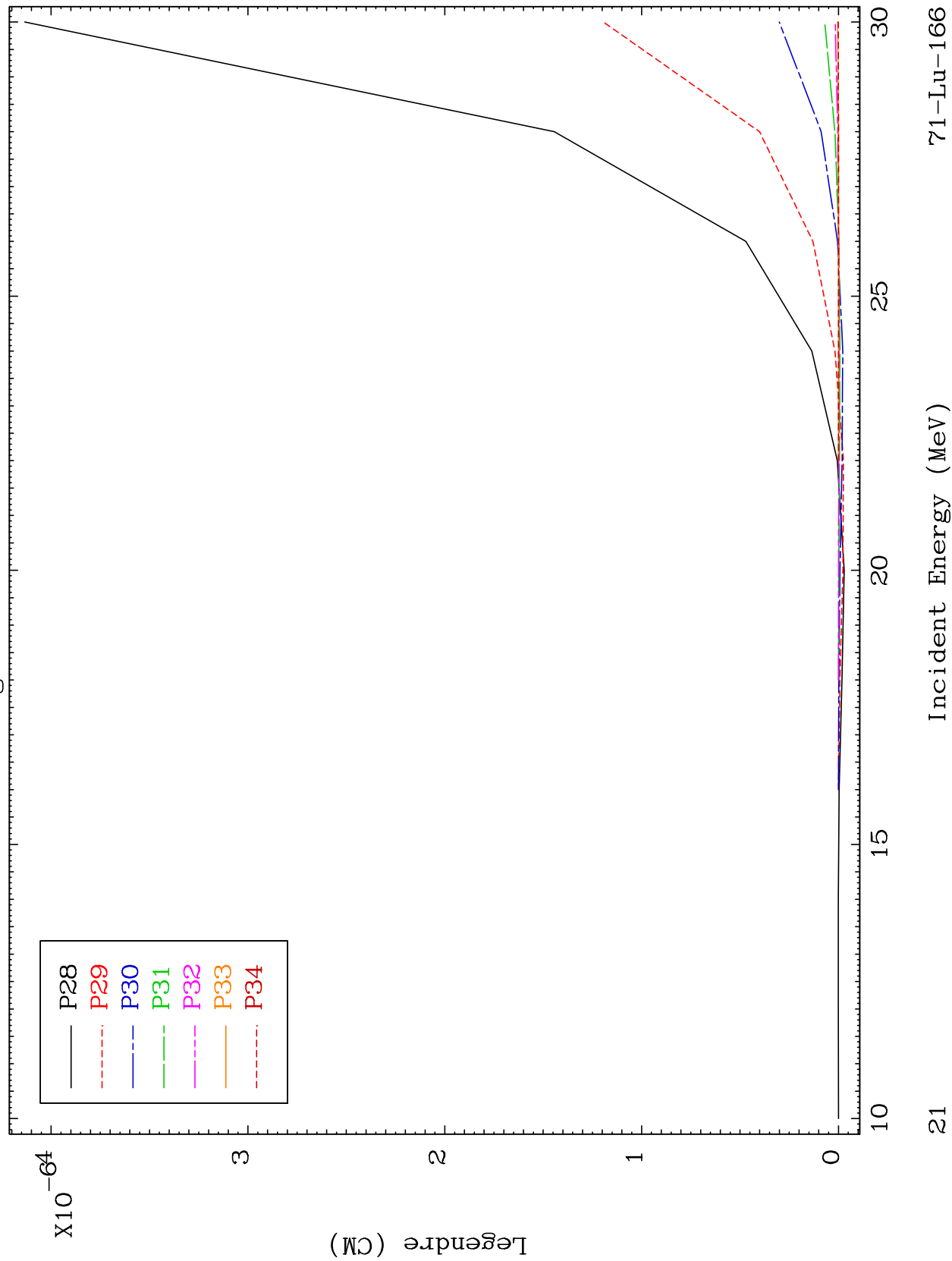
Incident Energy (MeV)

⁷¹Lu-166

MAT 7098

Elastic
Legendre Coefficients

⁷¹Lu-166



21

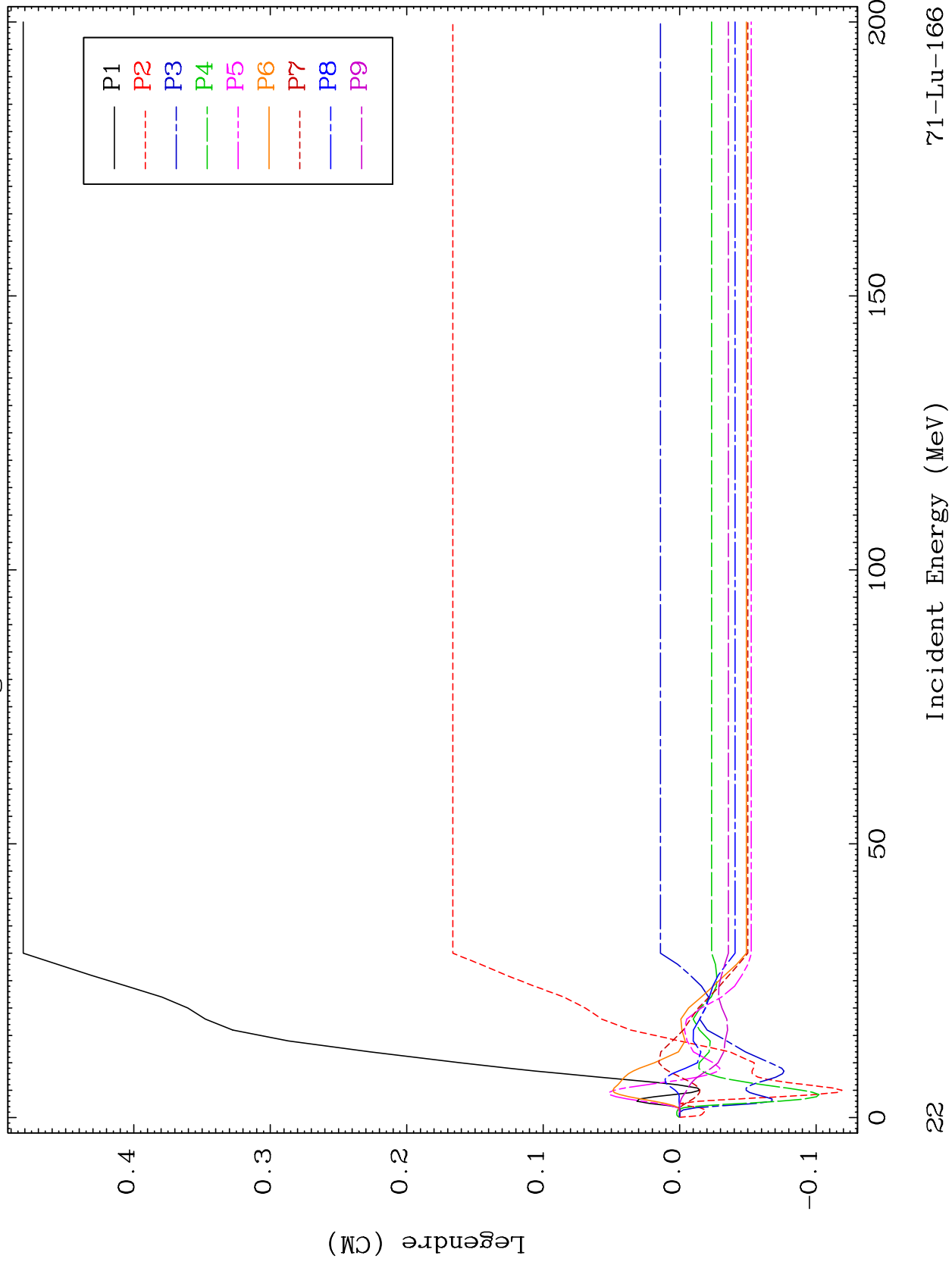
Incident Energy (MeV)

⁷¹Lu-166

MAT 7098

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

71-Lu-166



71-Lu-166

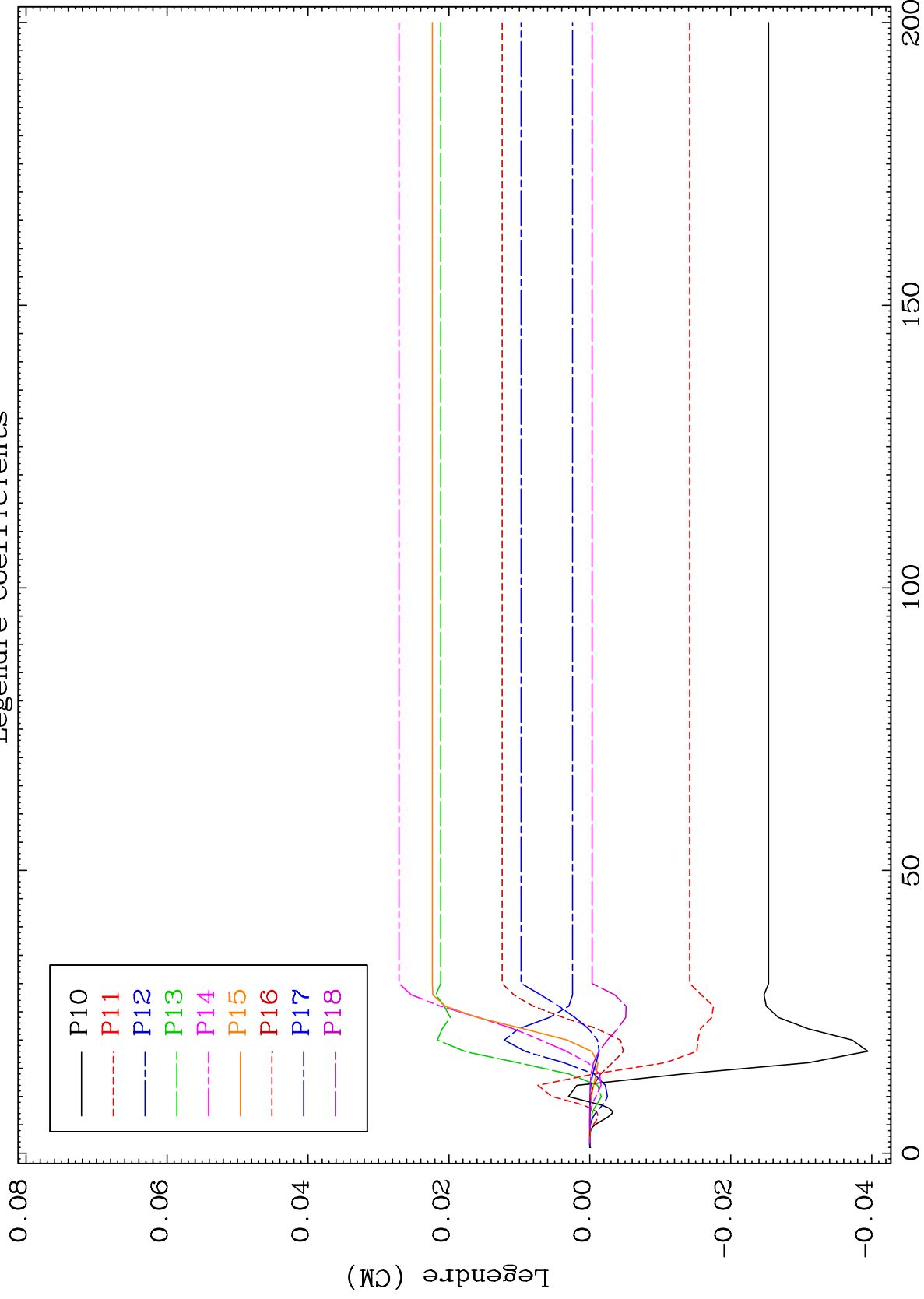
Incident Energy (MeV)

22

MAT 7098

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

71-Lu-166



23

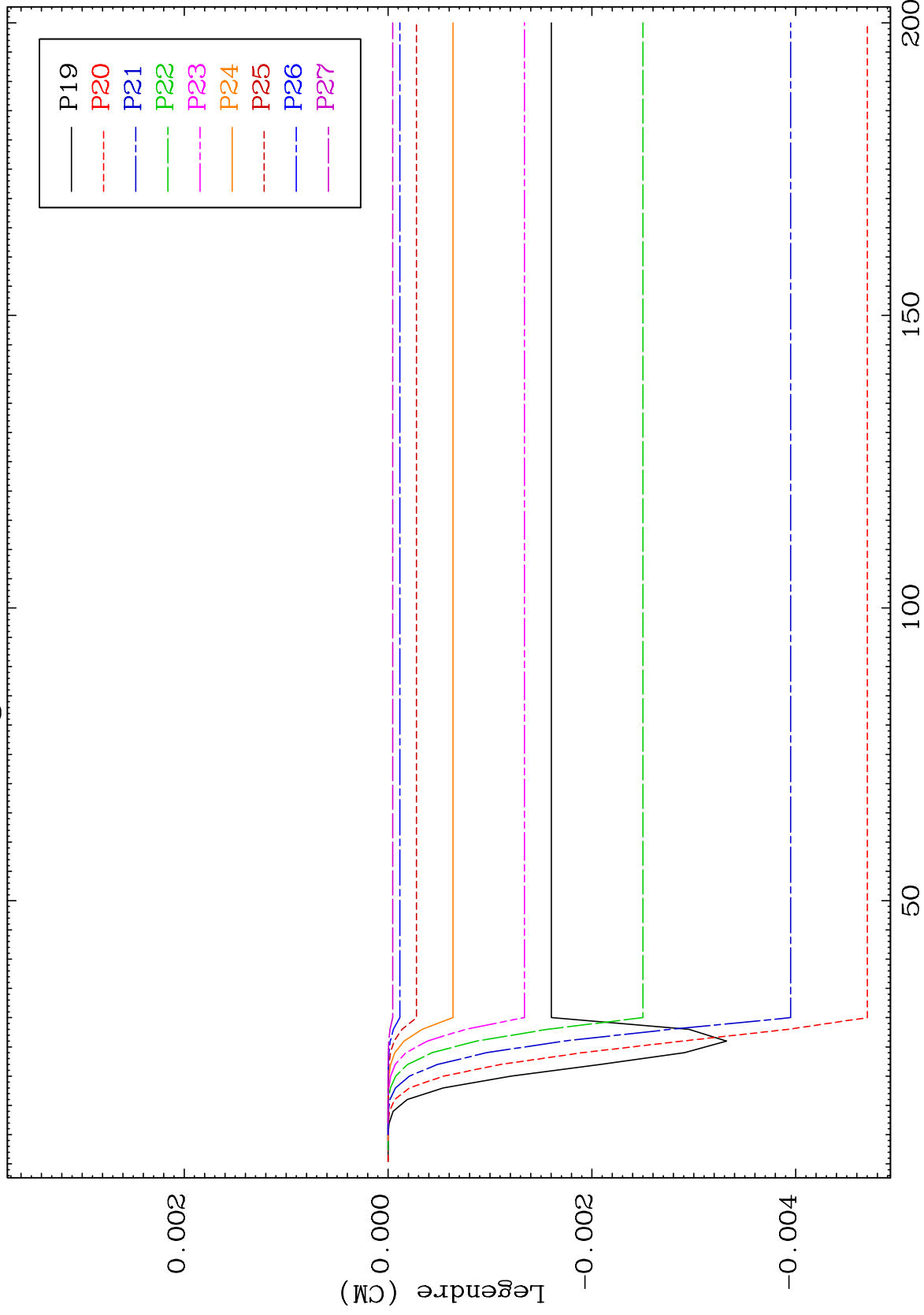
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

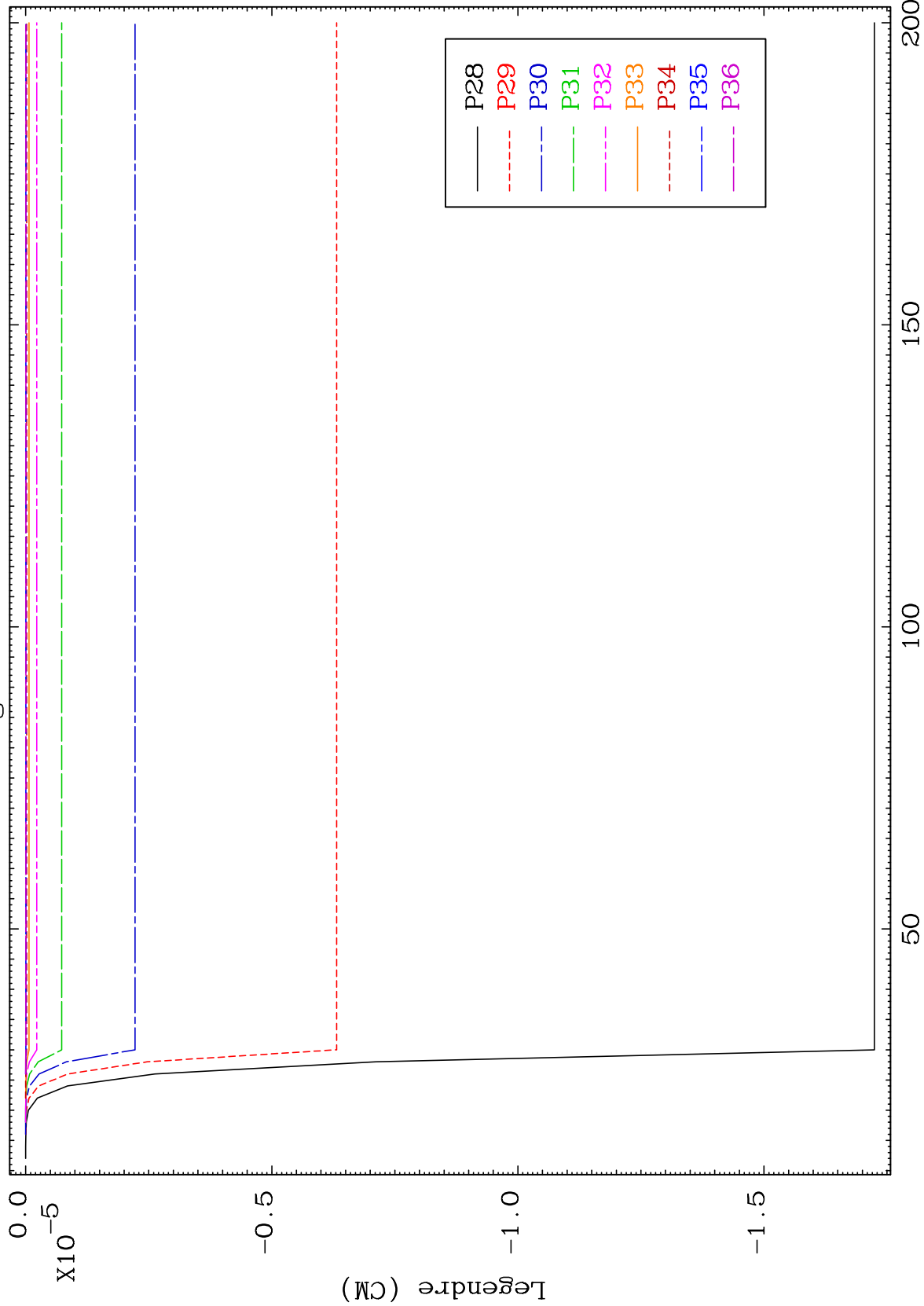
71-Lu-166



24

Incident Energy (MeV)

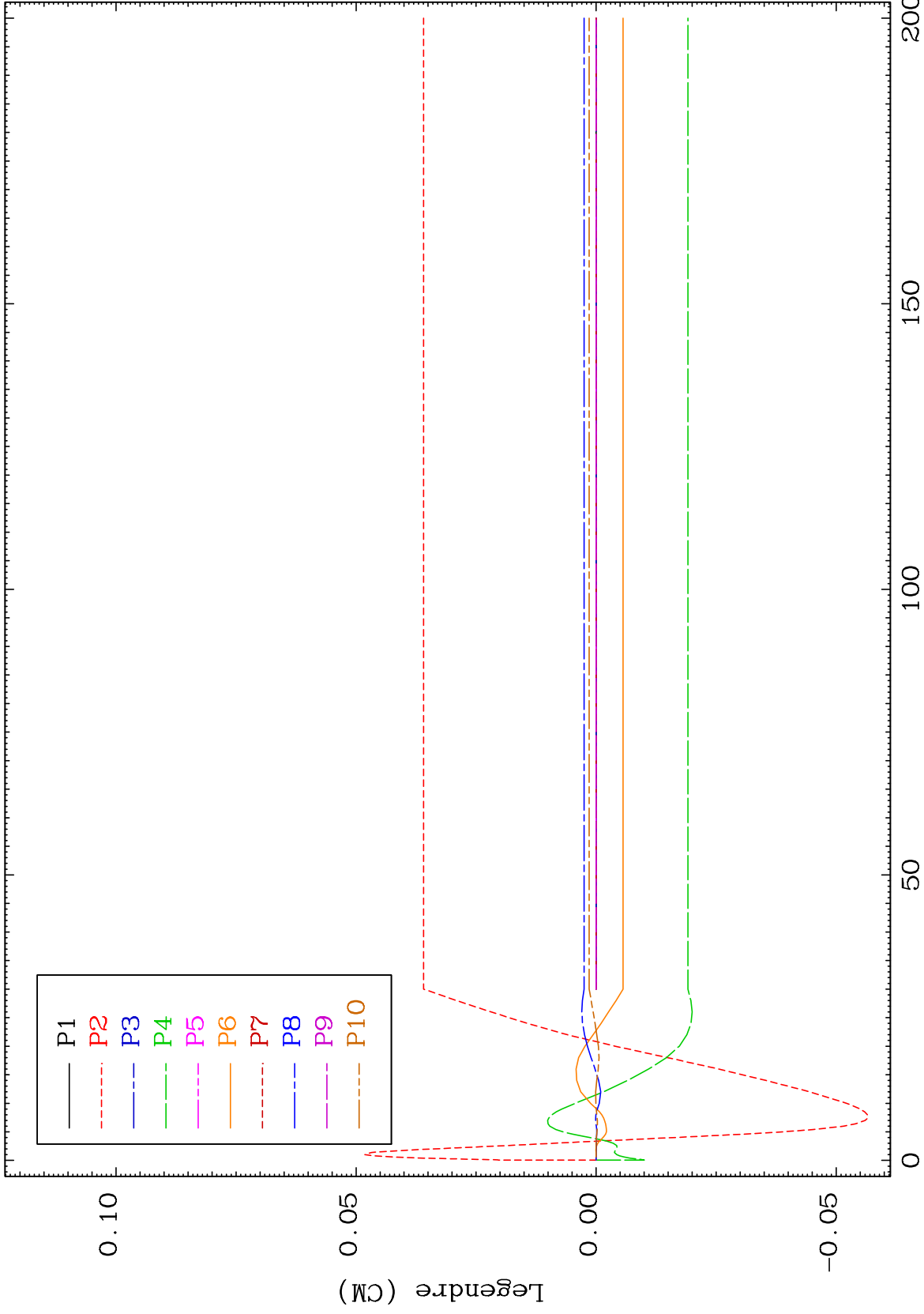
71-Lu-166



MAT 7098

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

71-Lu-166



26

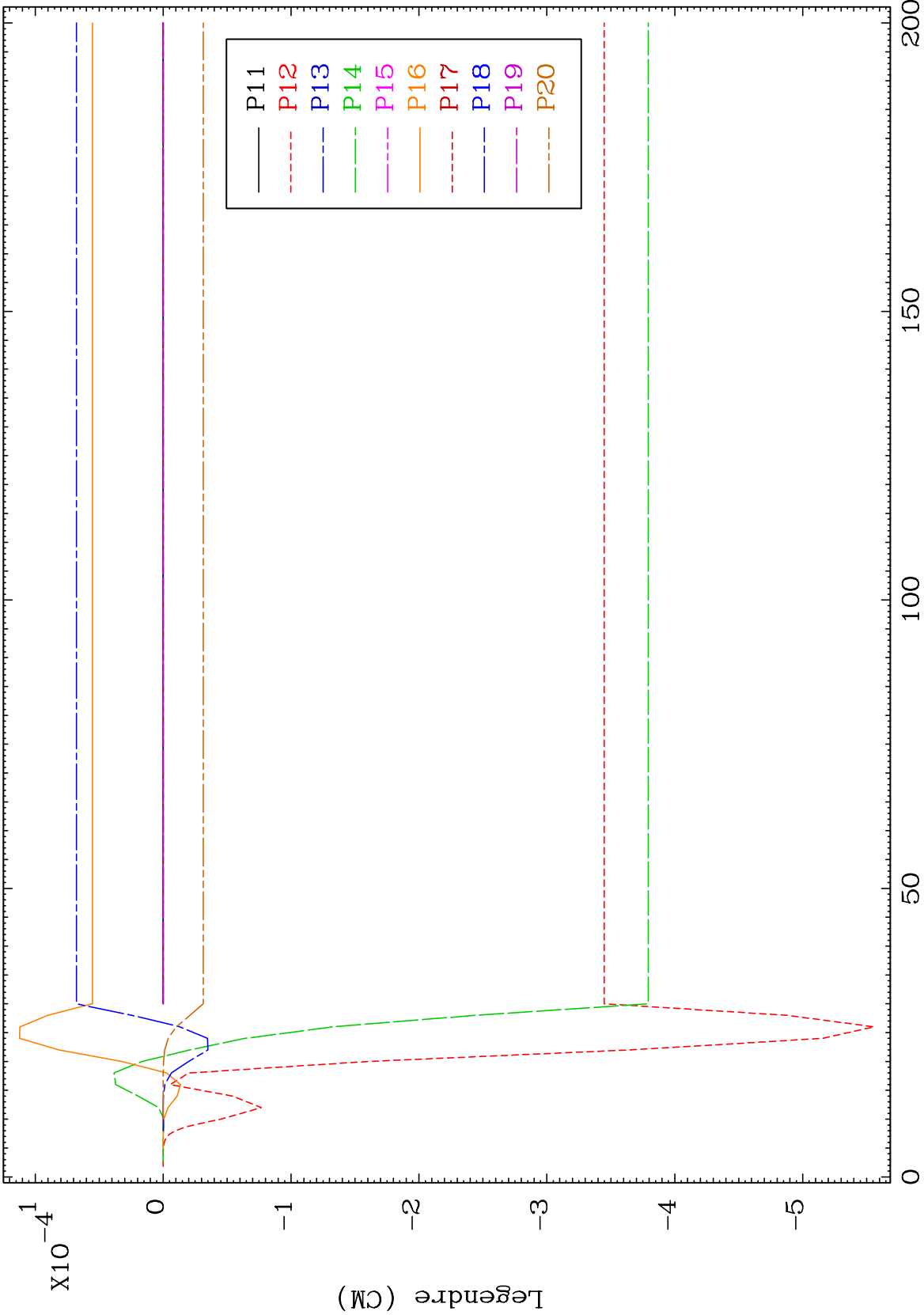
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

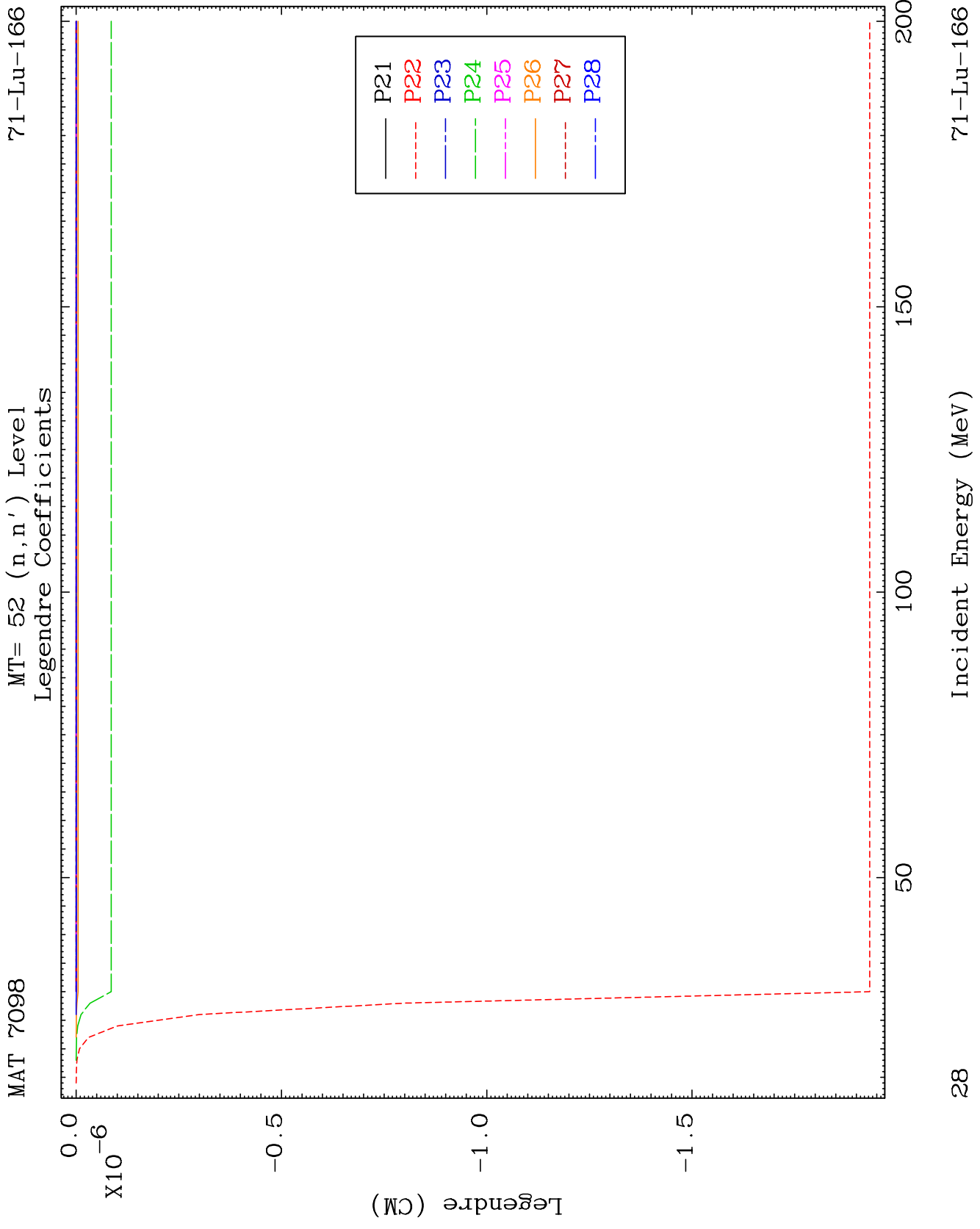
71-Lu-166



27

Incident Energy (MeV)

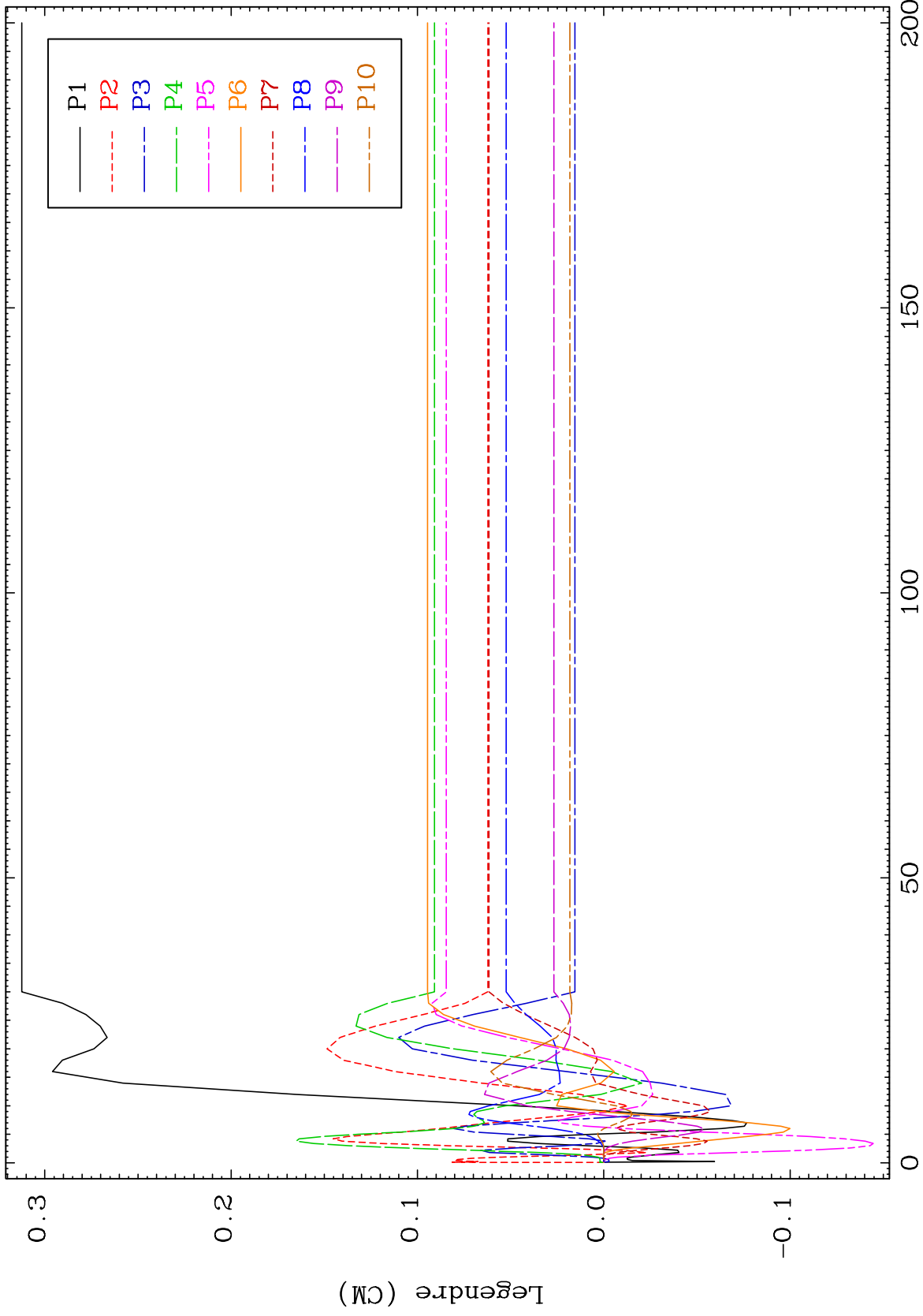
71-Lu-166



MAT 7098

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

71-Lu-166



29

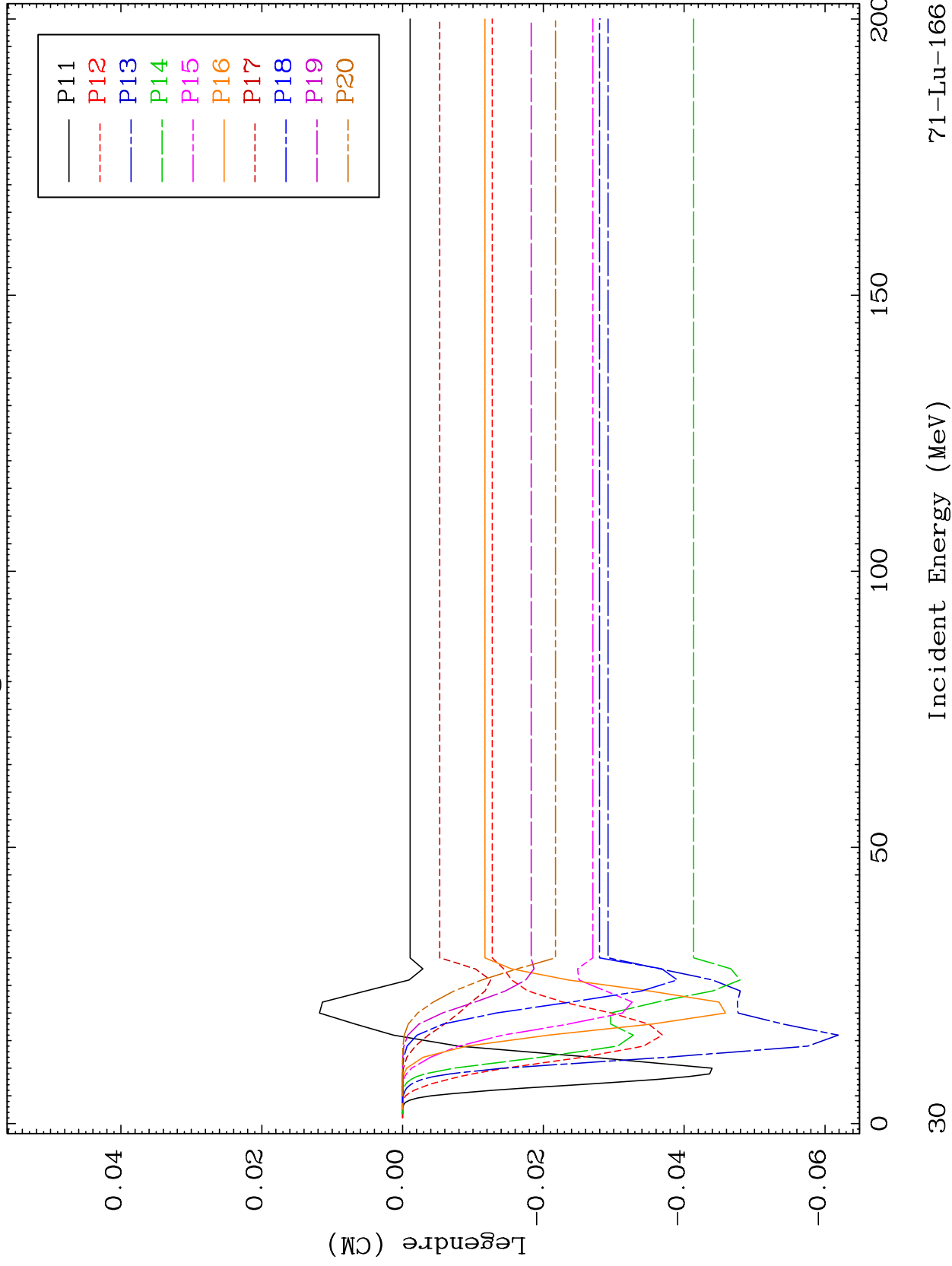
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

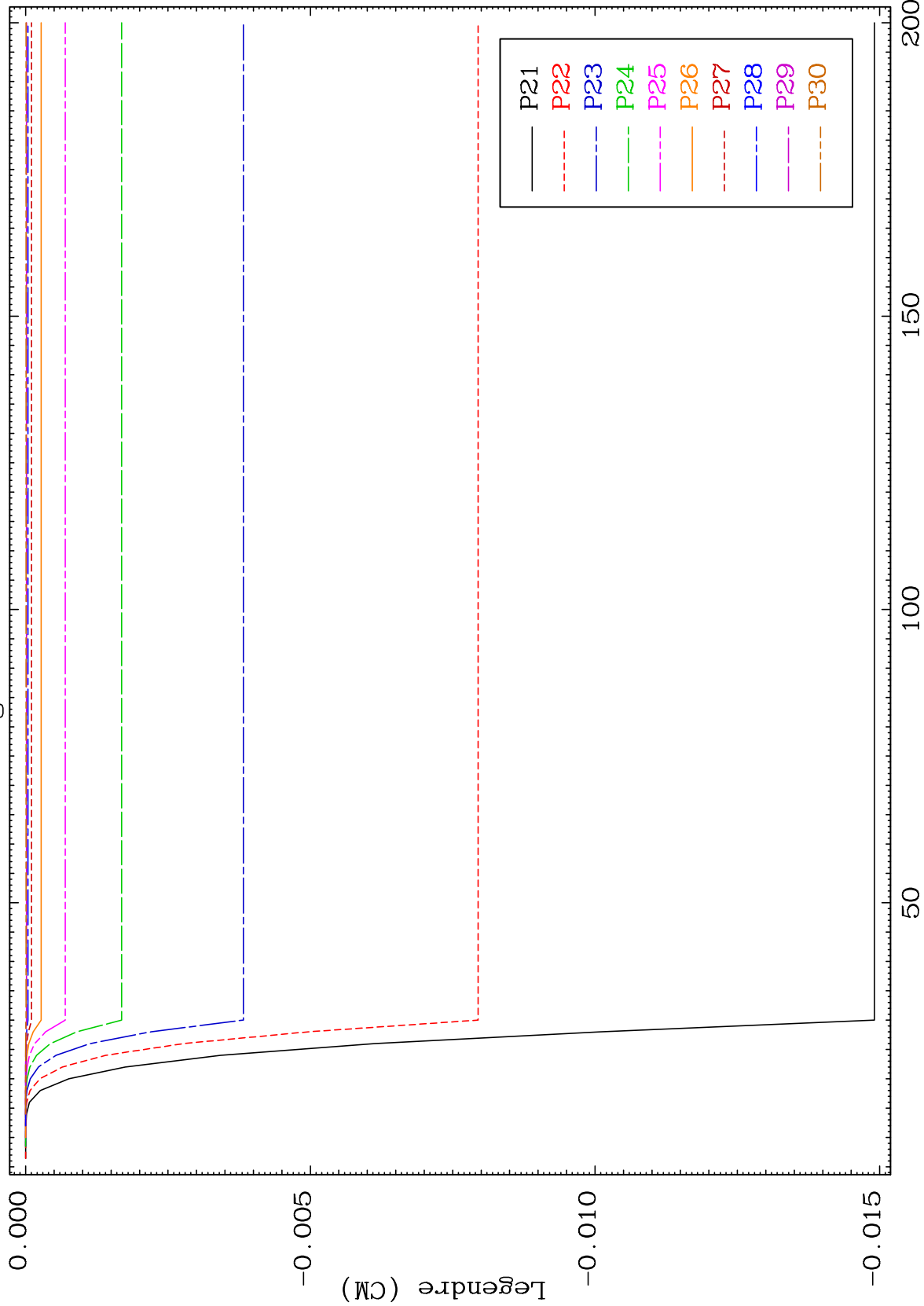
71-Lu-166



71-Lu-166

Incident Energy (MeV)

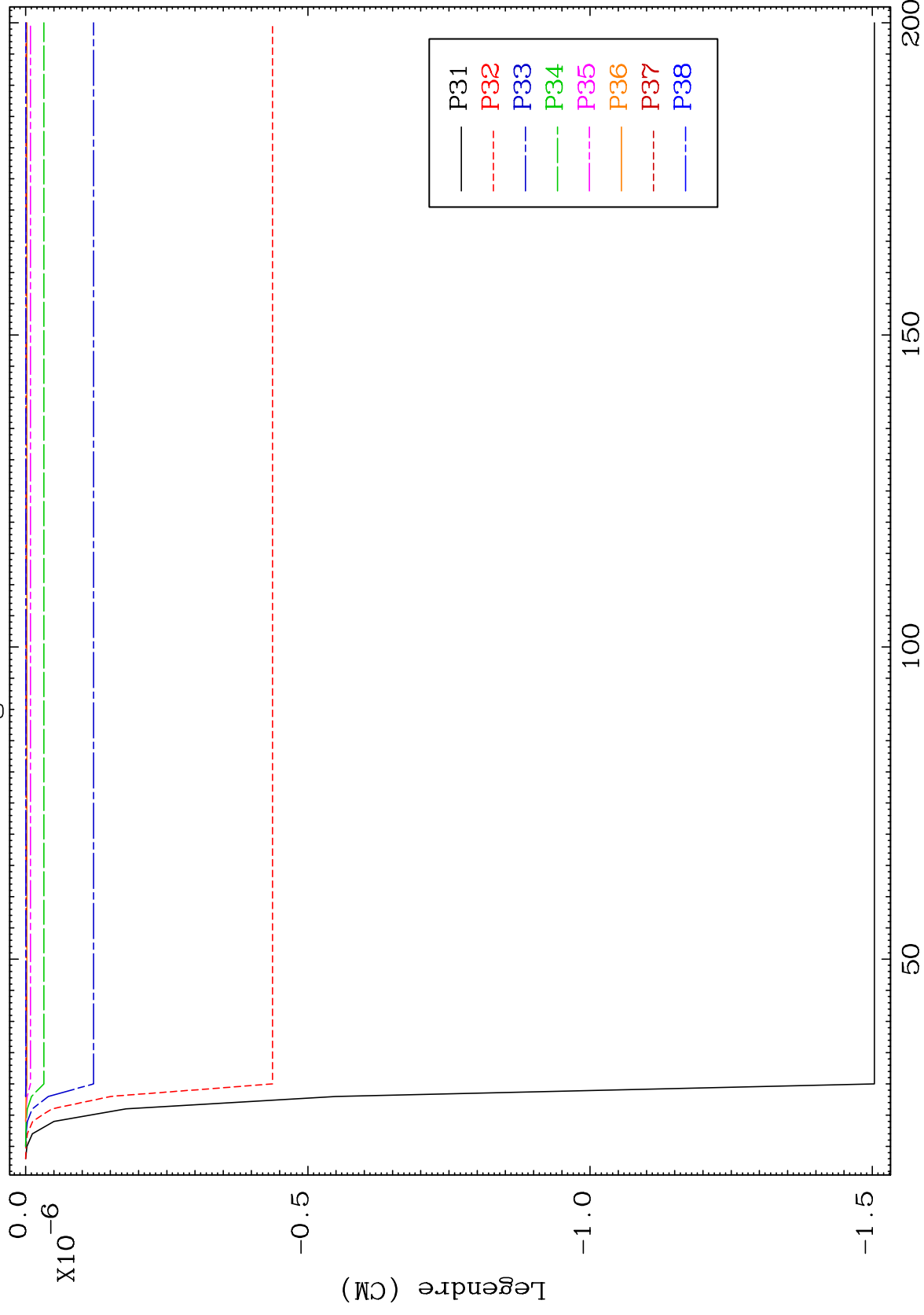
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MAT 7098

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

71-Lu-166



32

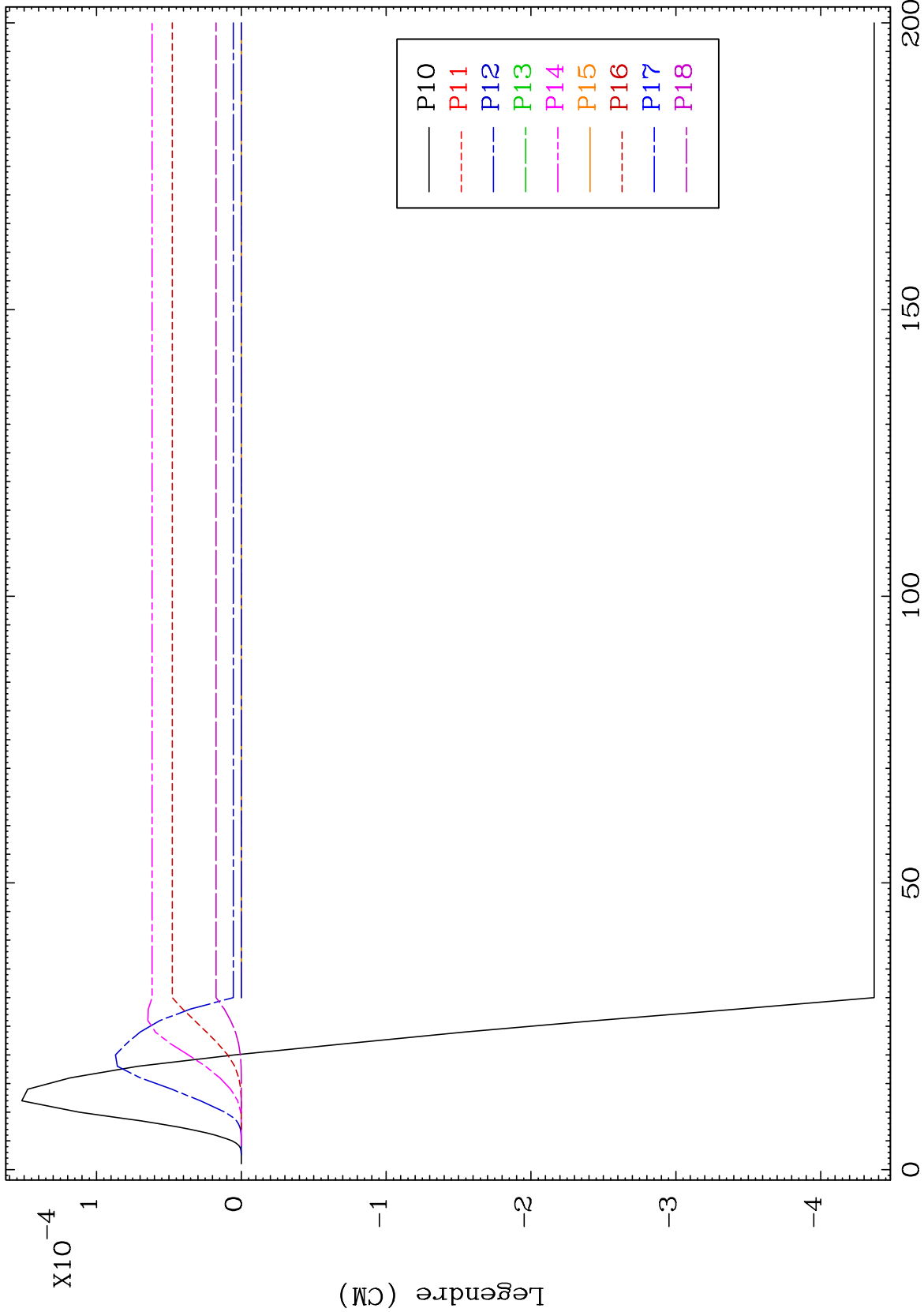
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

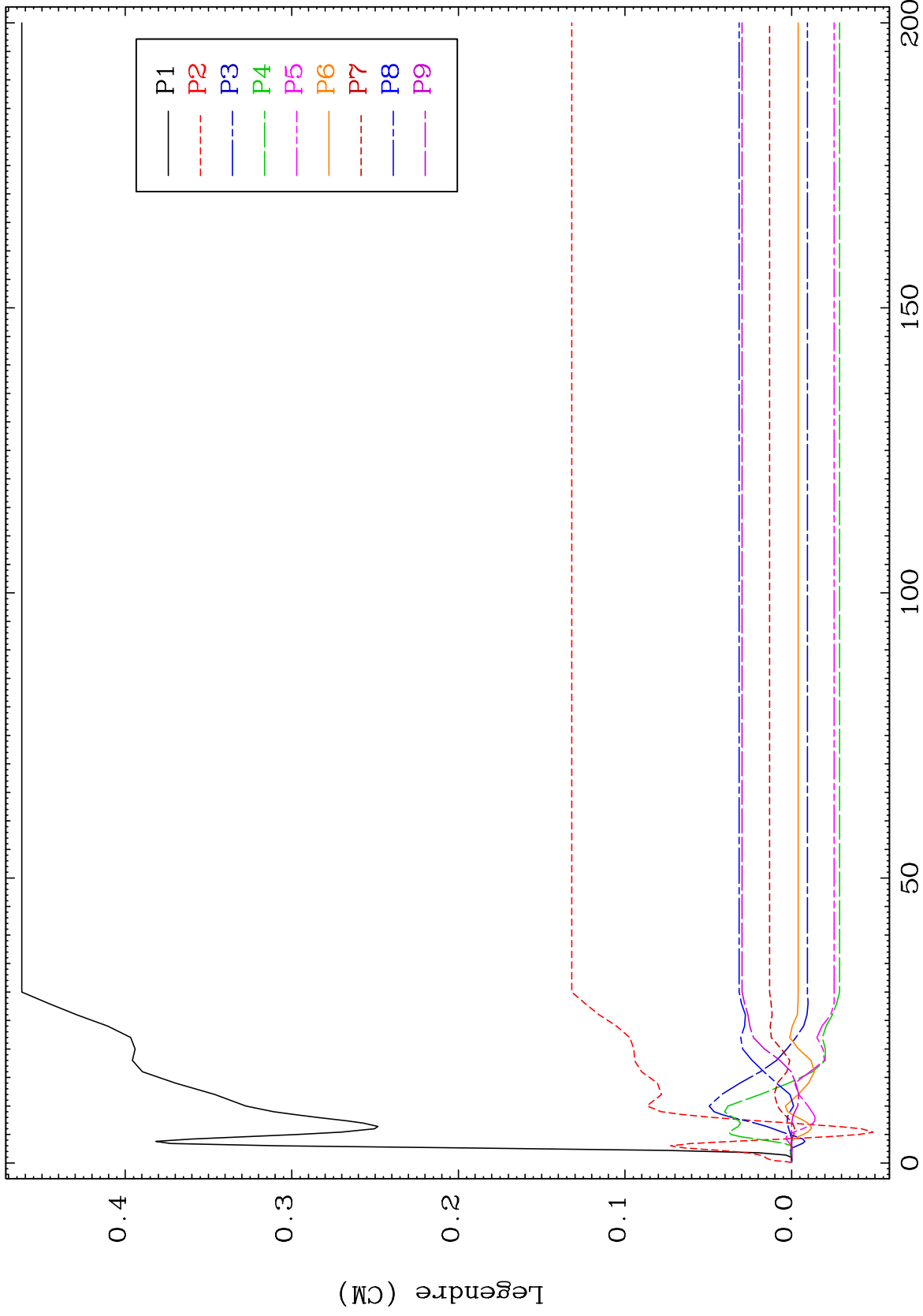
71-Lu-166



34

Incident Energy (MeV)

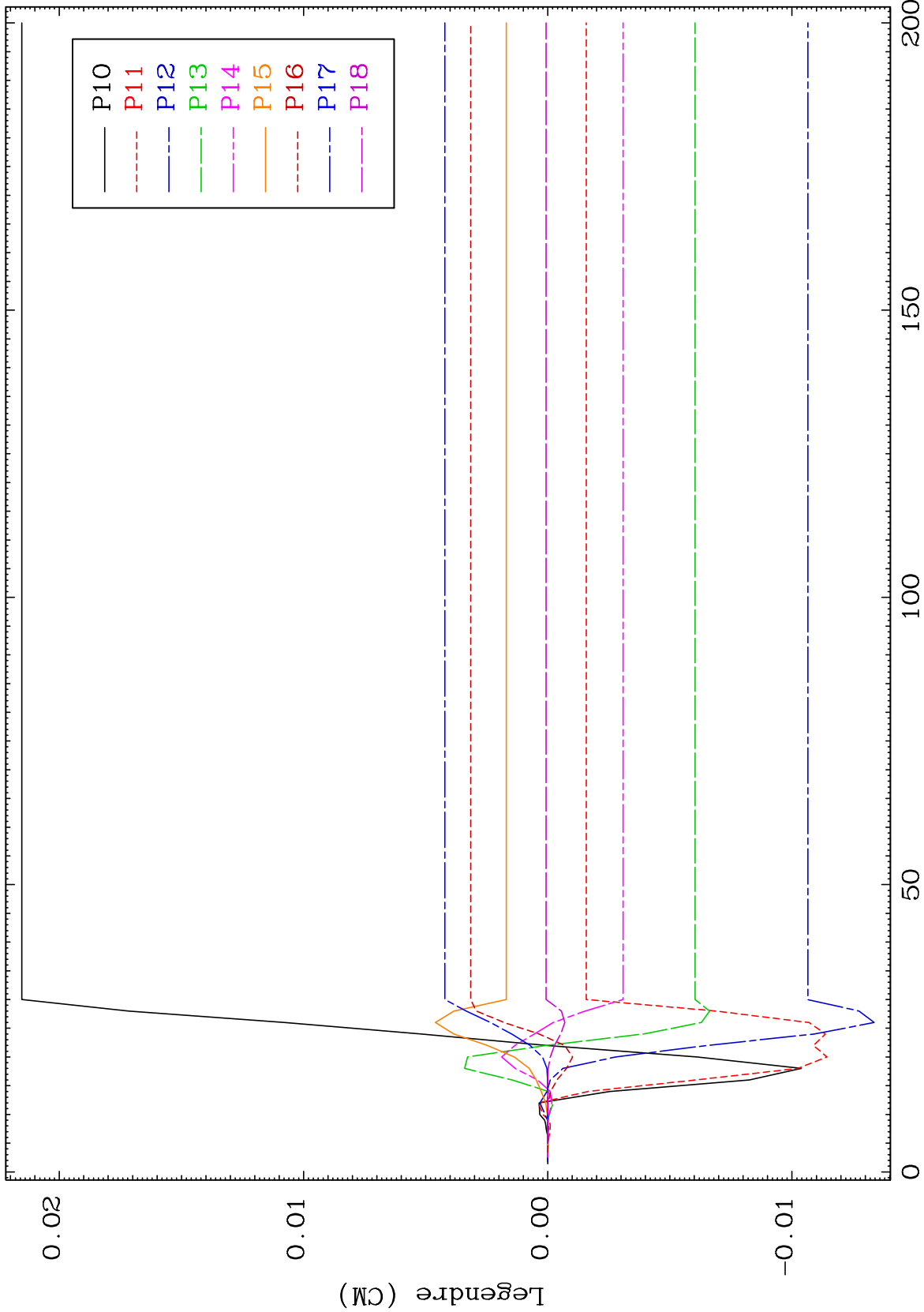
71-Lu-166



MAT 7098

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

71-Lu-166



37

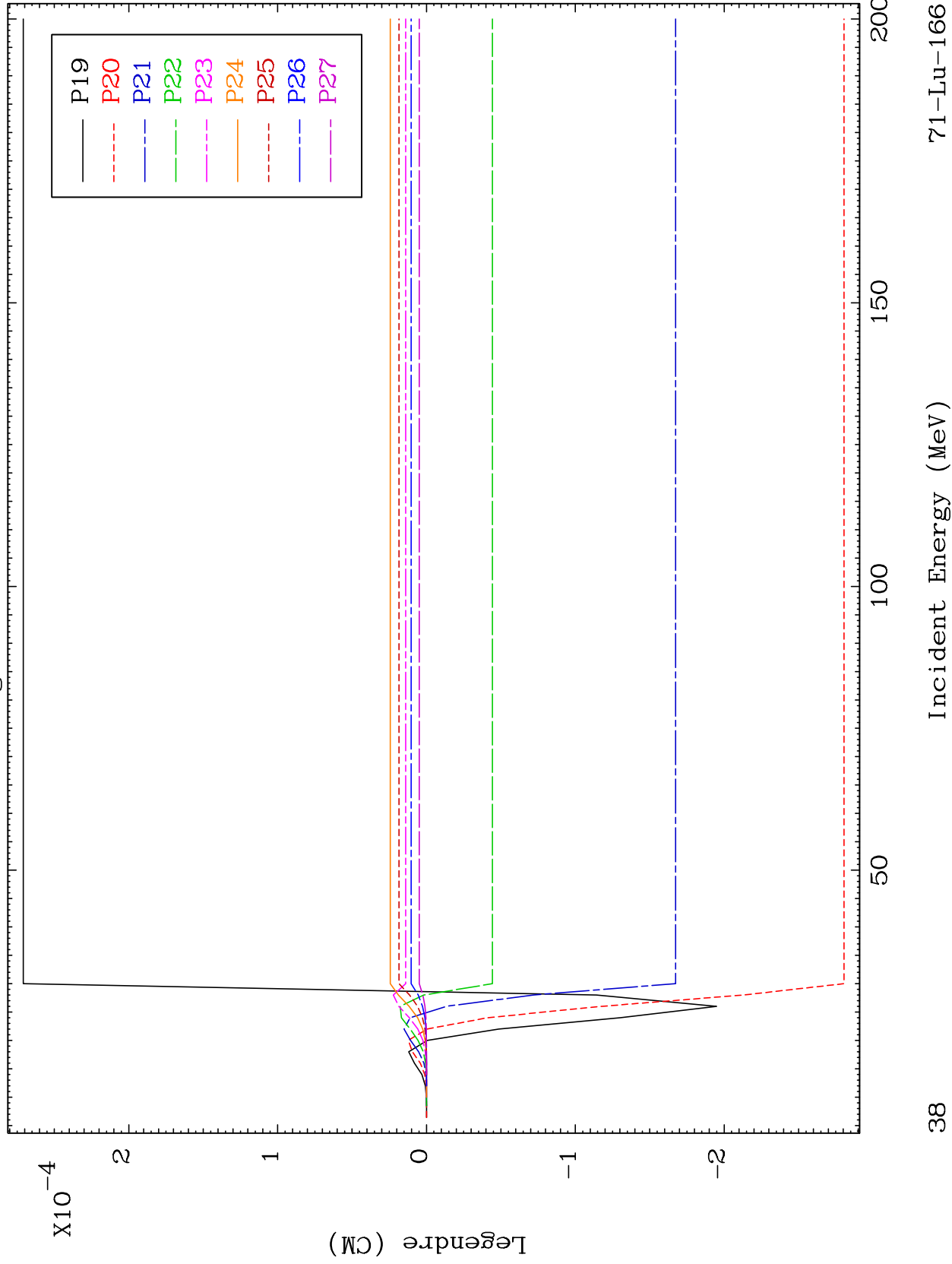
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

71-Lu-166



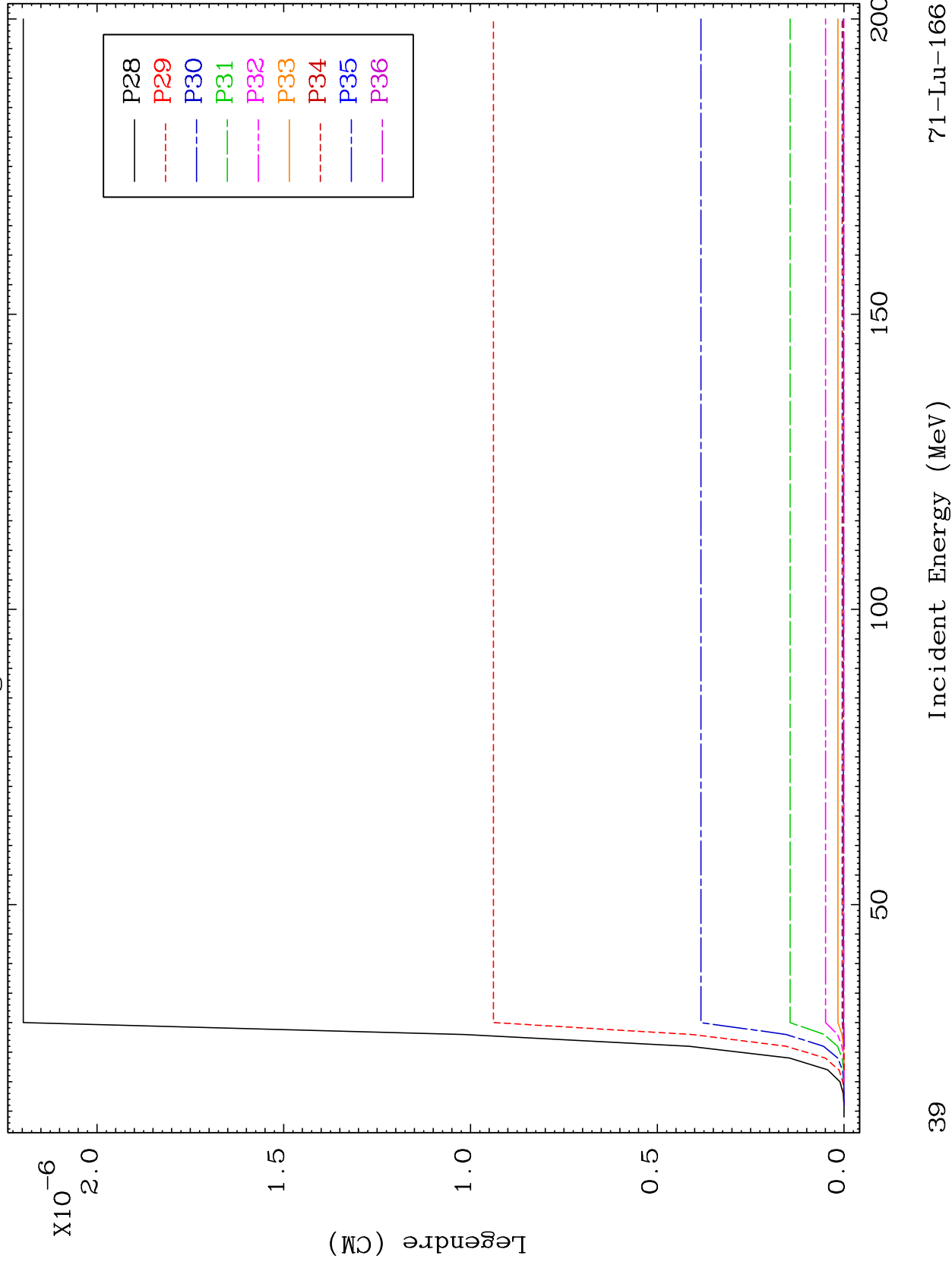
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71-Lu-166

MAT 7098

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

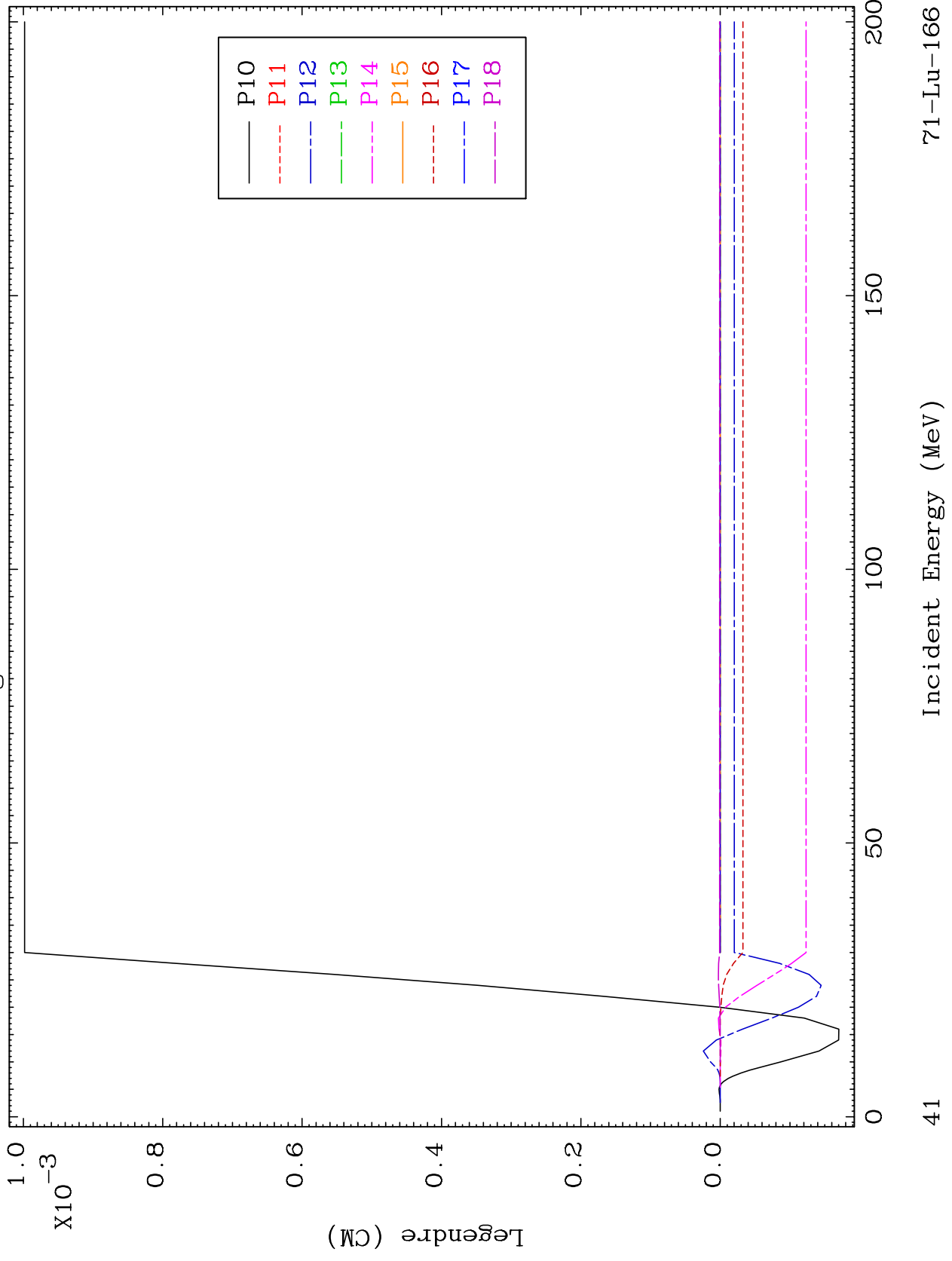
71-Lu-166



MAT 7098

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

71-Lu-166



71-Lu-166

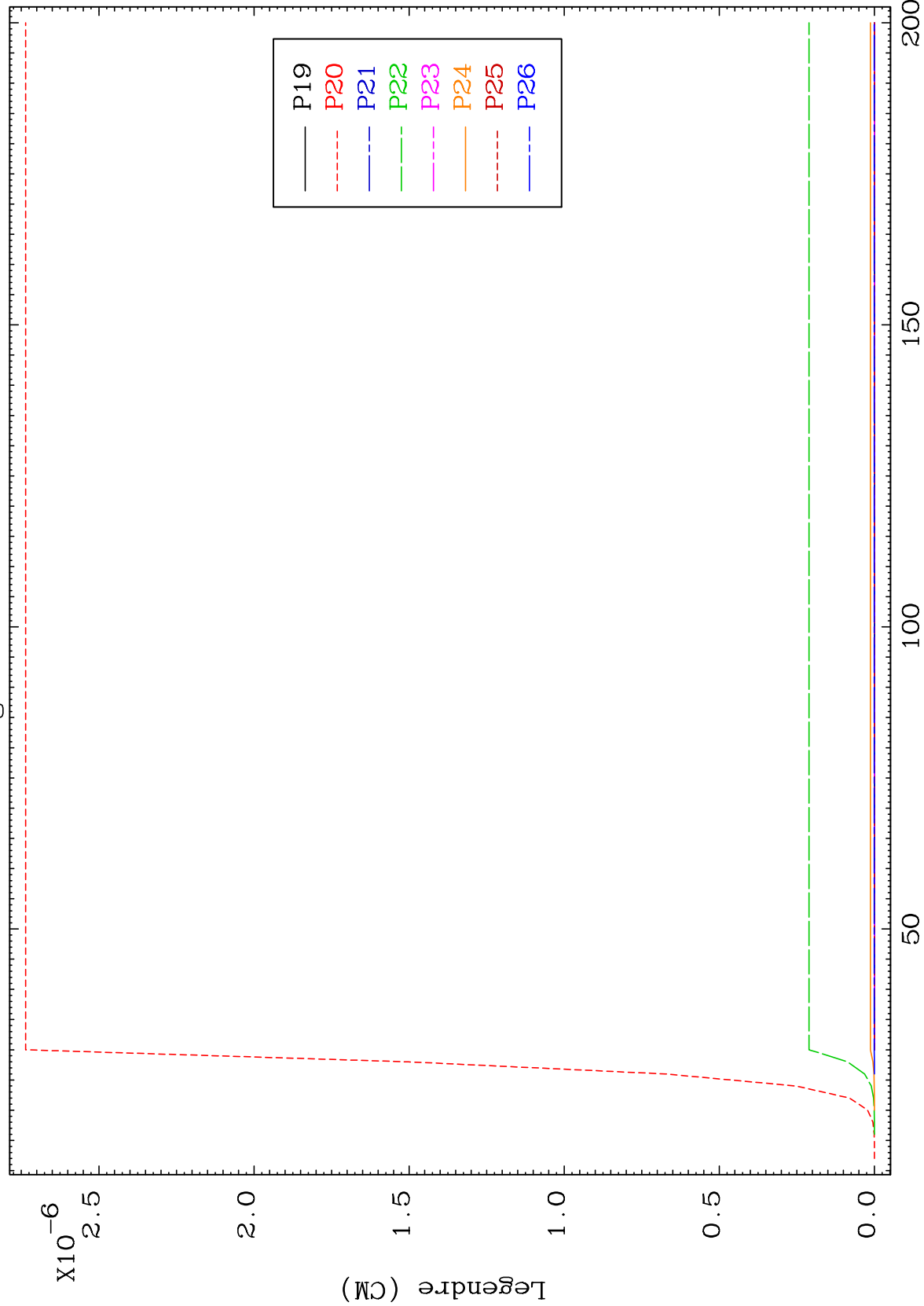
Incident Energy (MeV)

41

MAT 7098

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

71-Lu-166



42

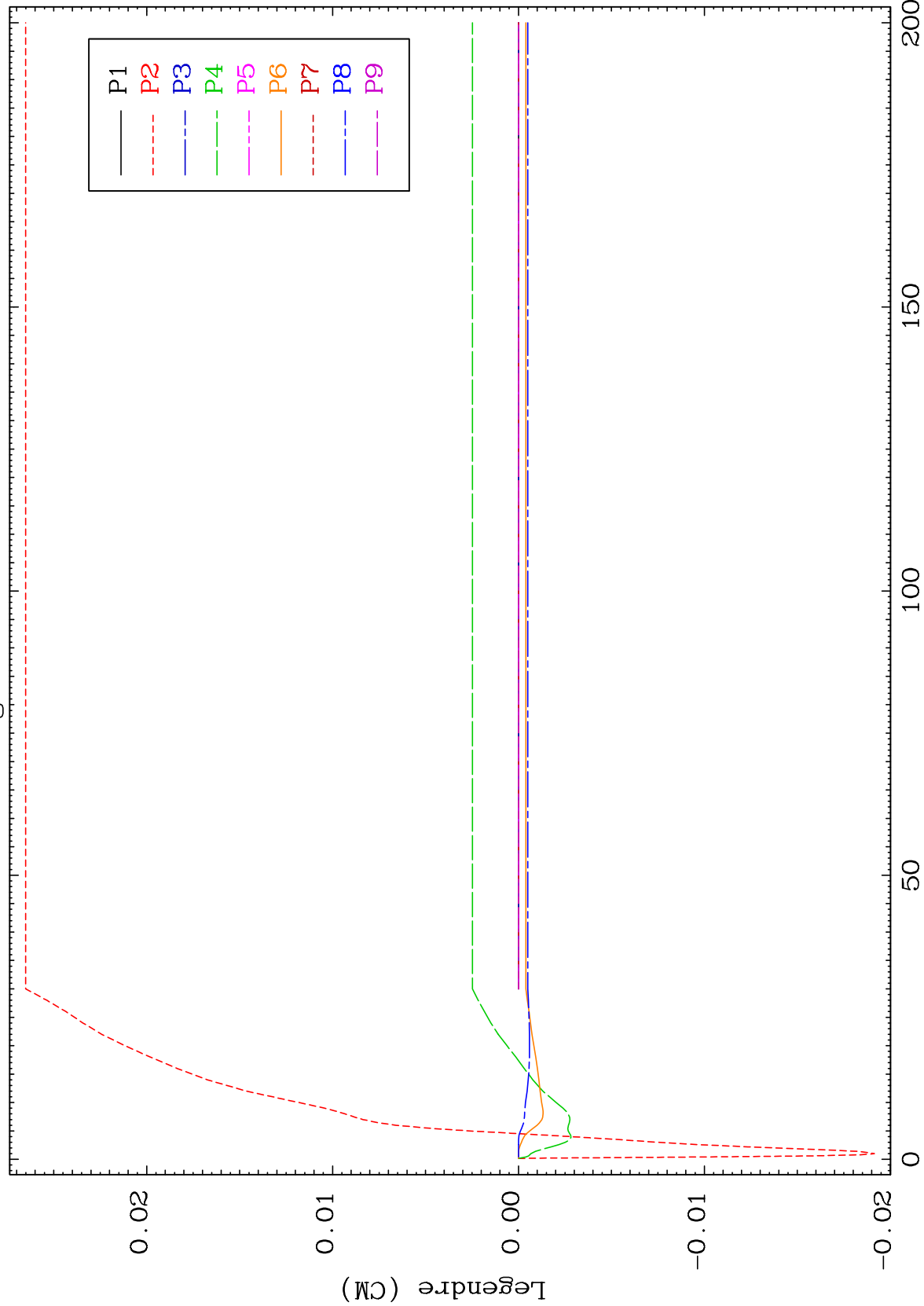
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

71-Lu-166



71-Lu-166

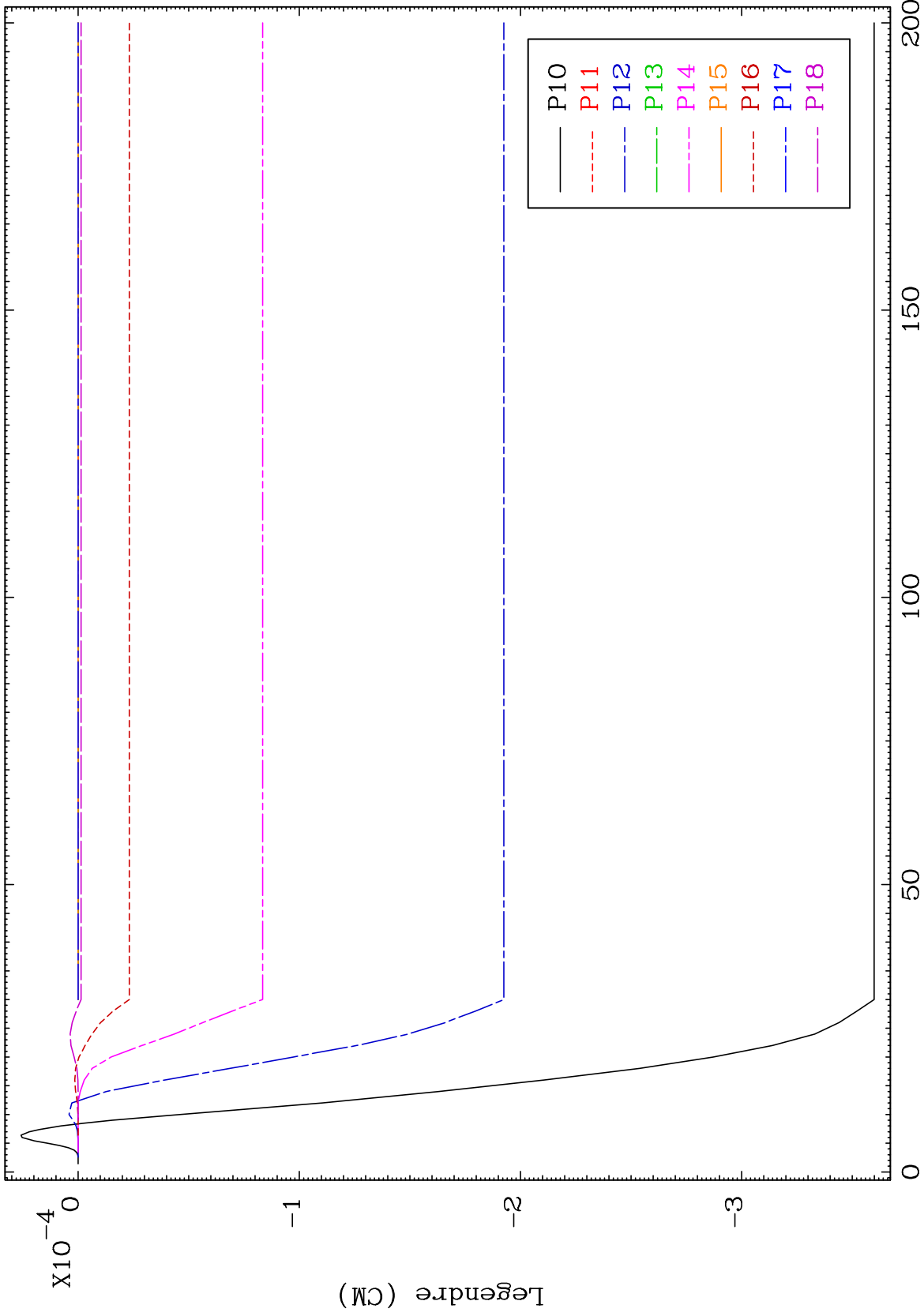
Incident Energy (MeV)

43

MAT 7098

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

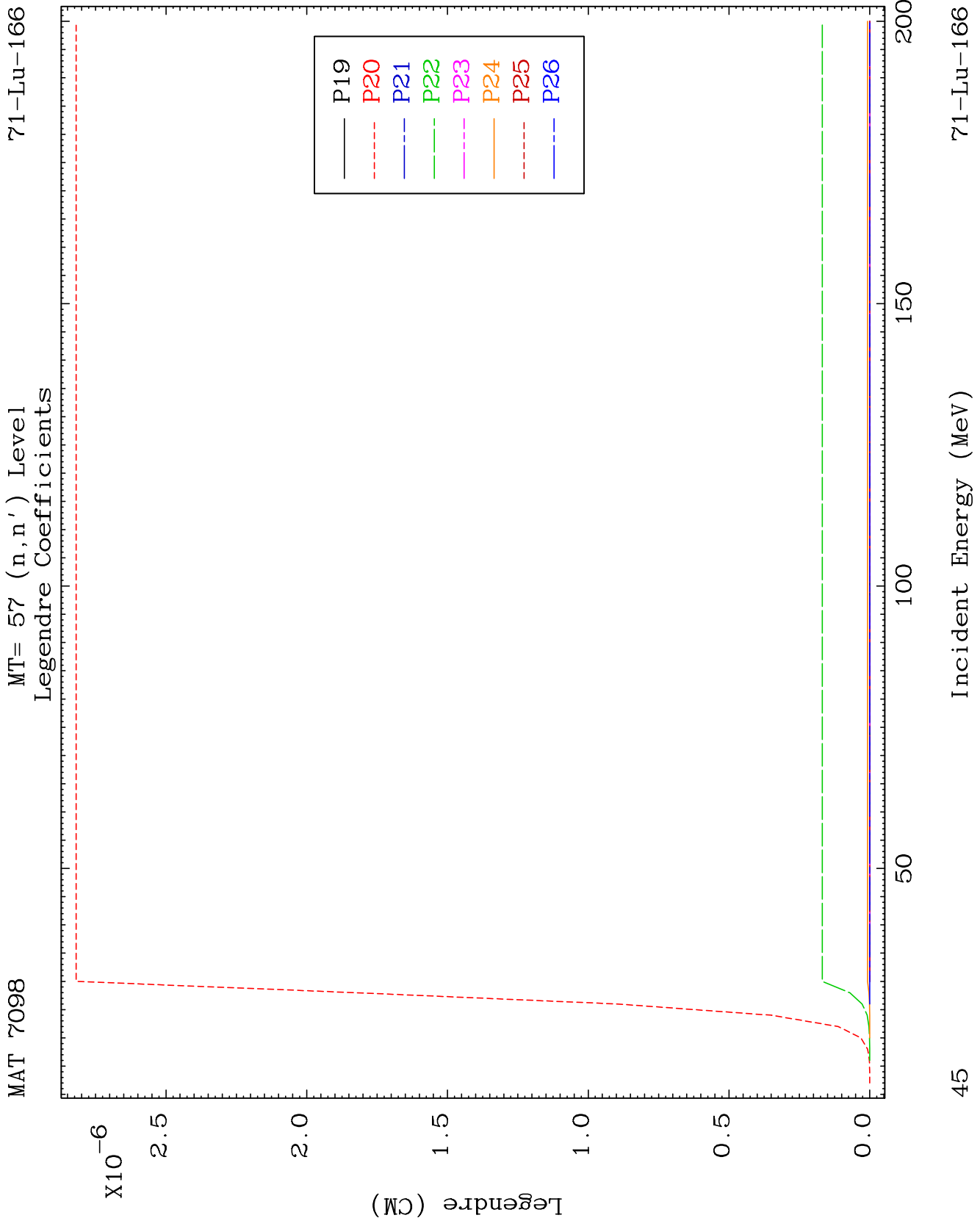
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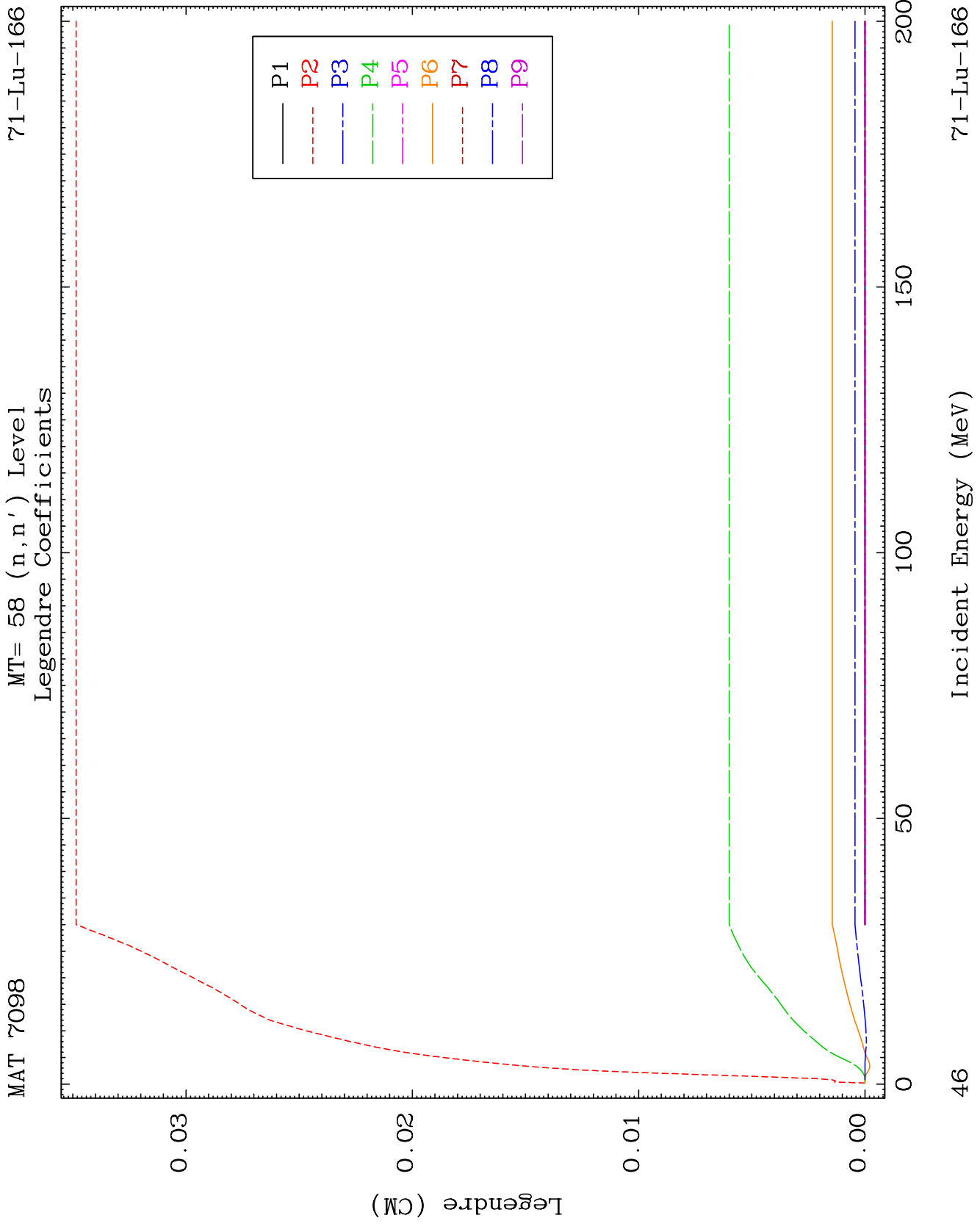


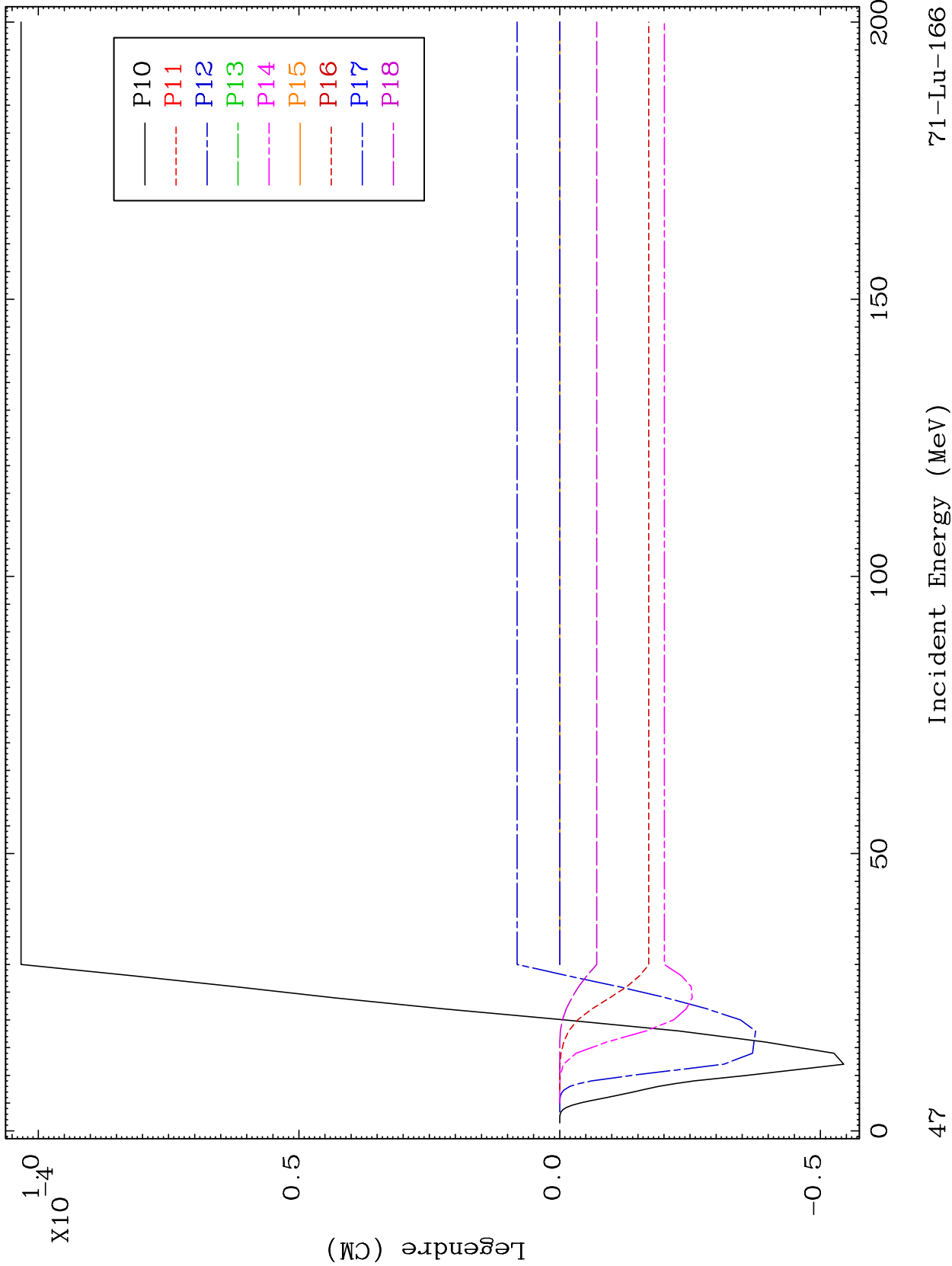
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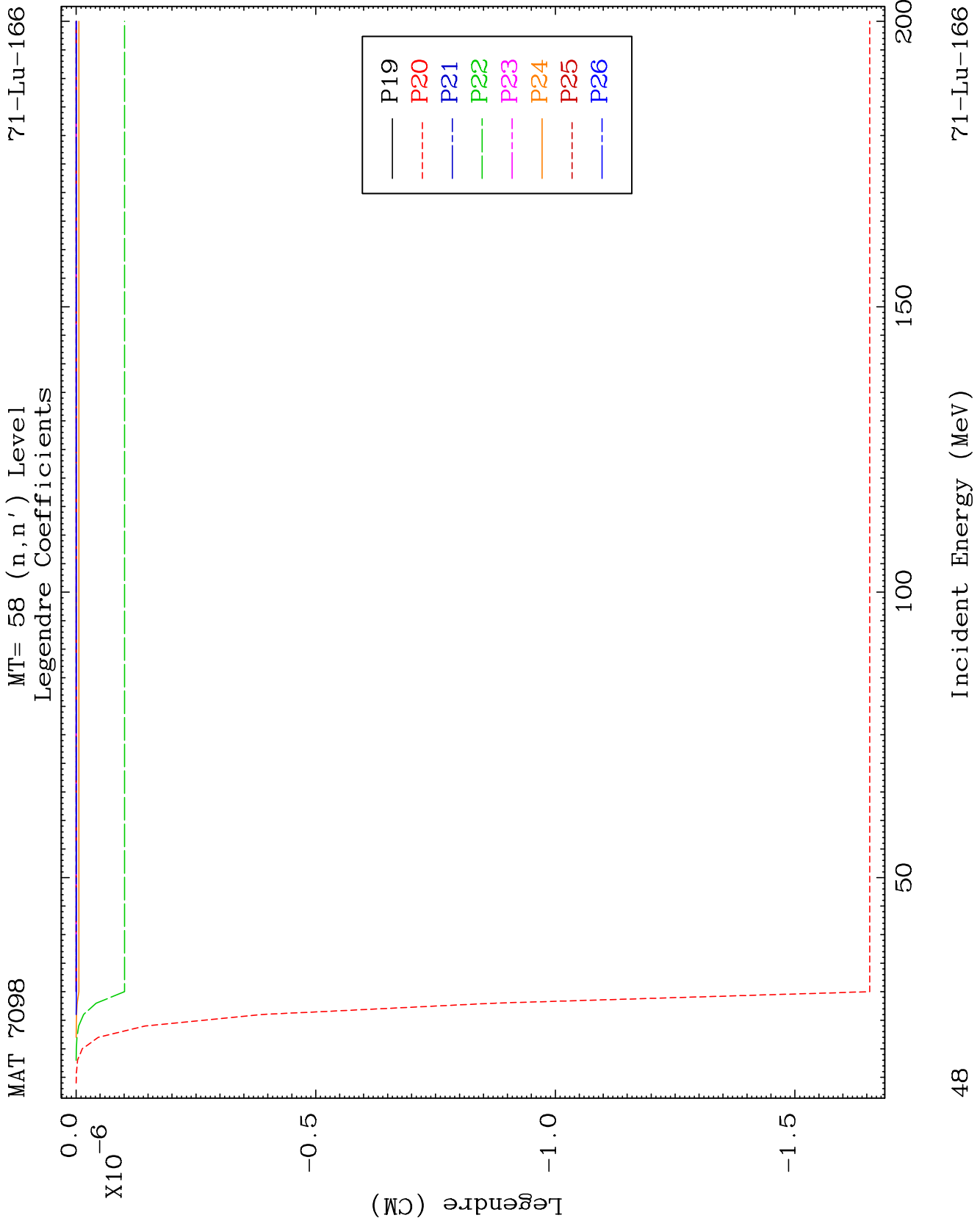
Incident Energy (MeV)

71-Lu-166





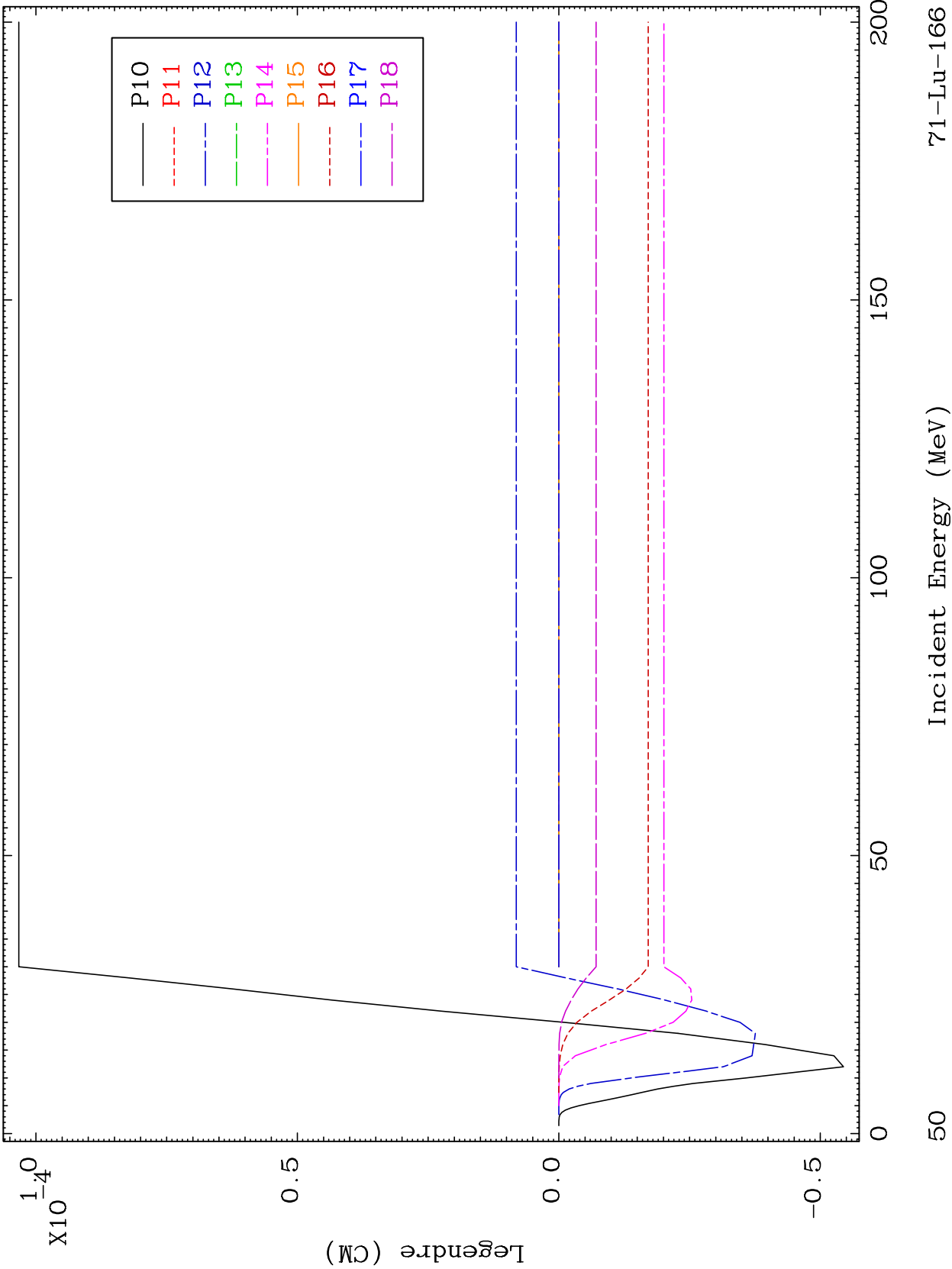




MAT 7098

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

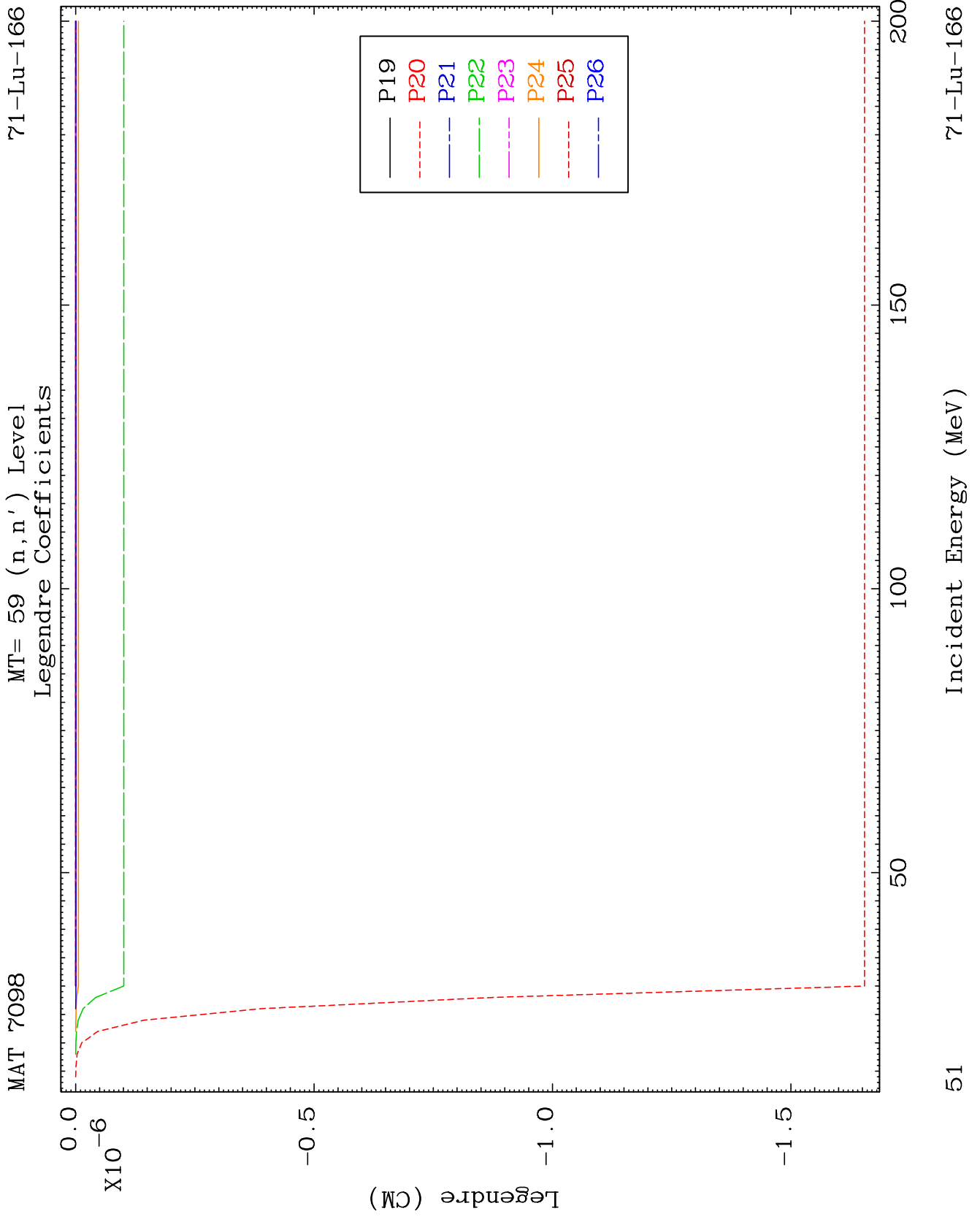
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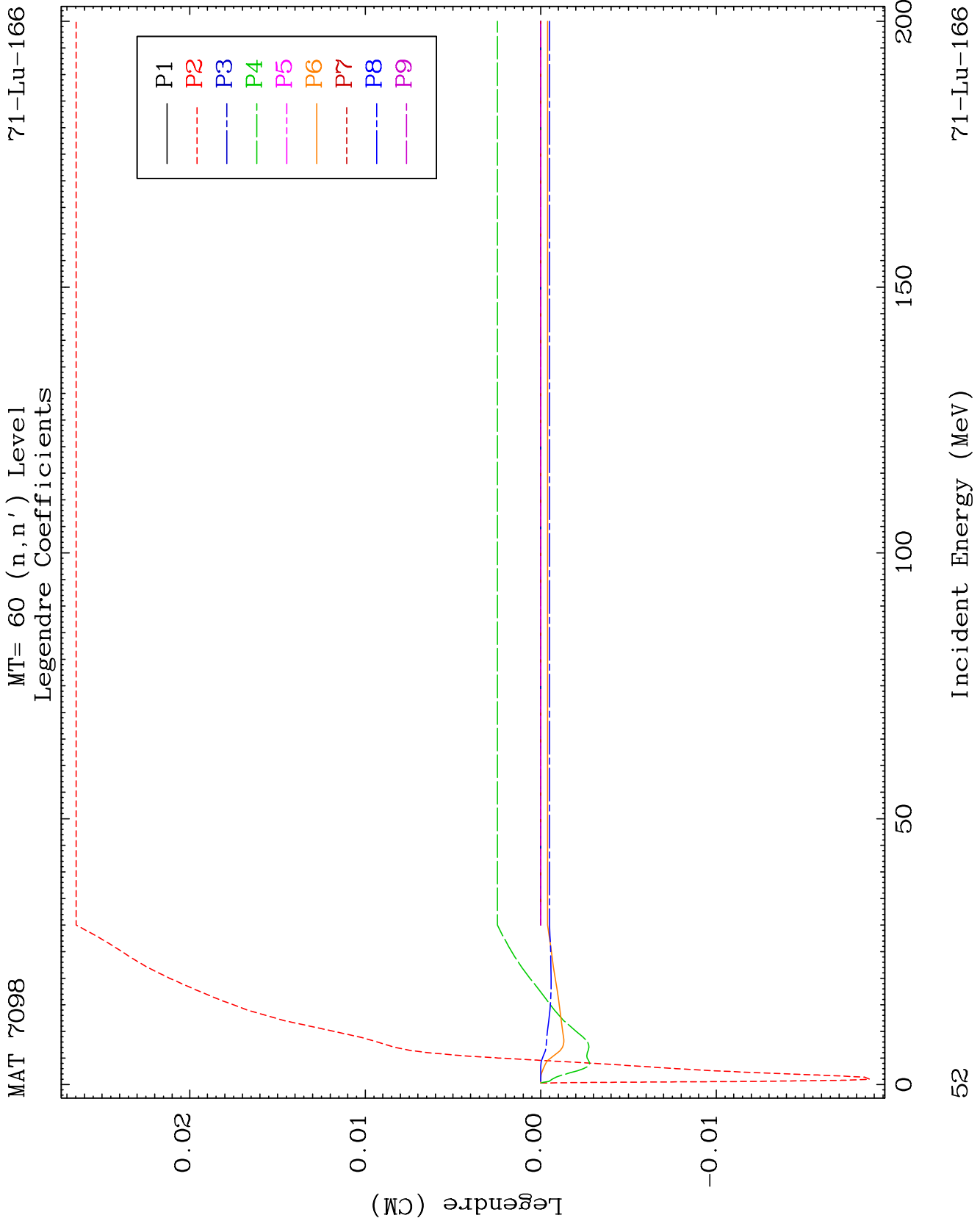


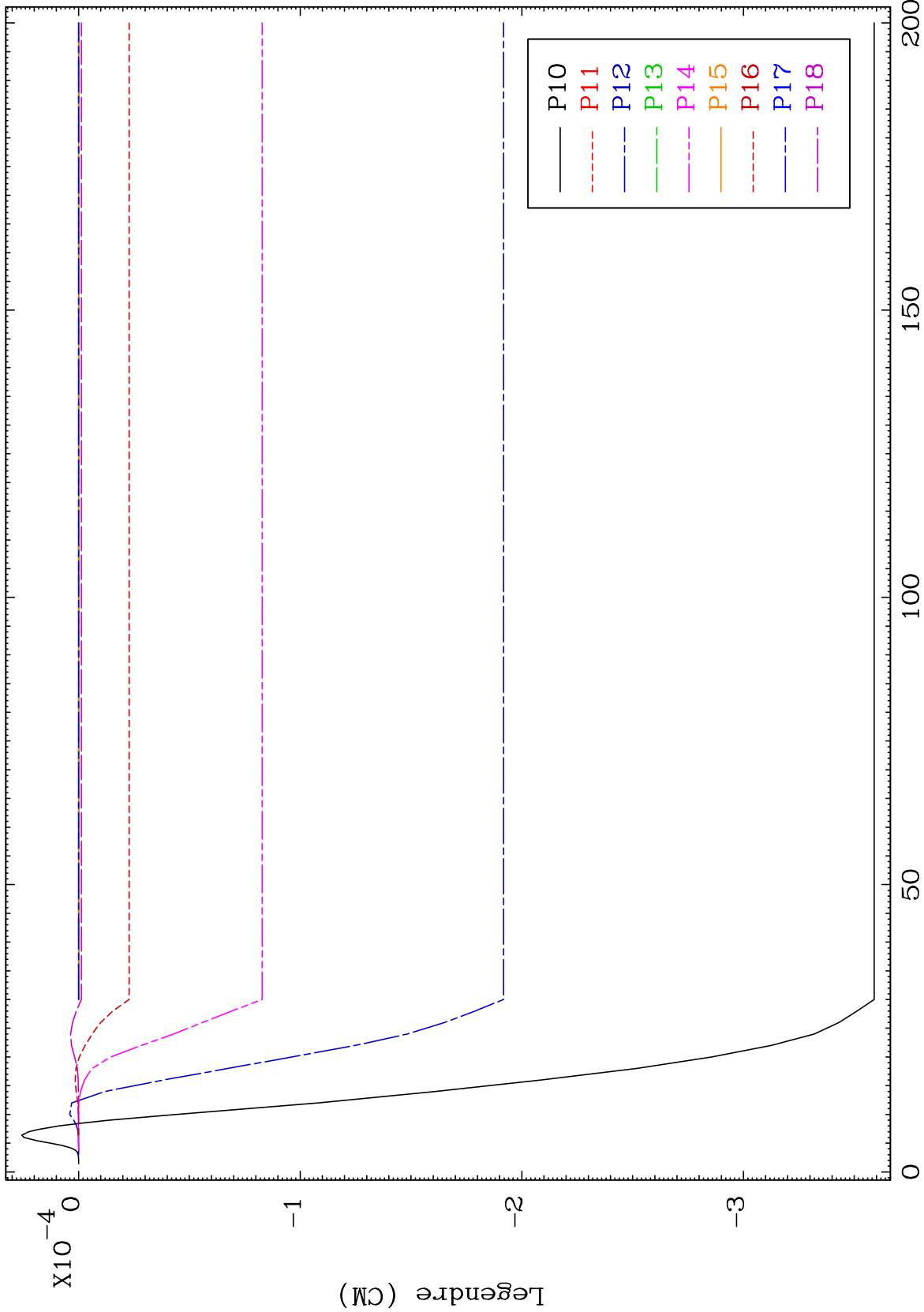
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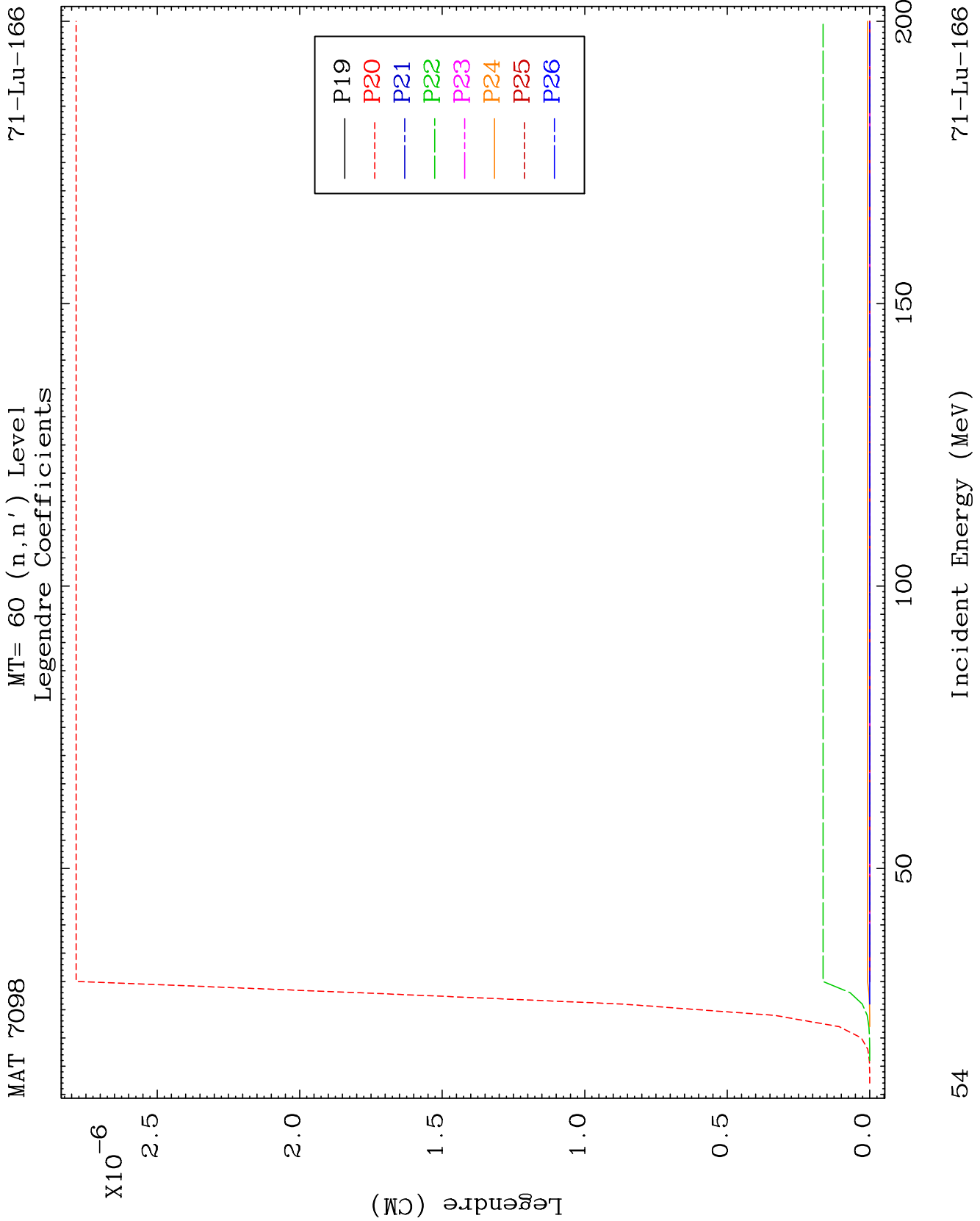
Incident Energy (MeV)

50





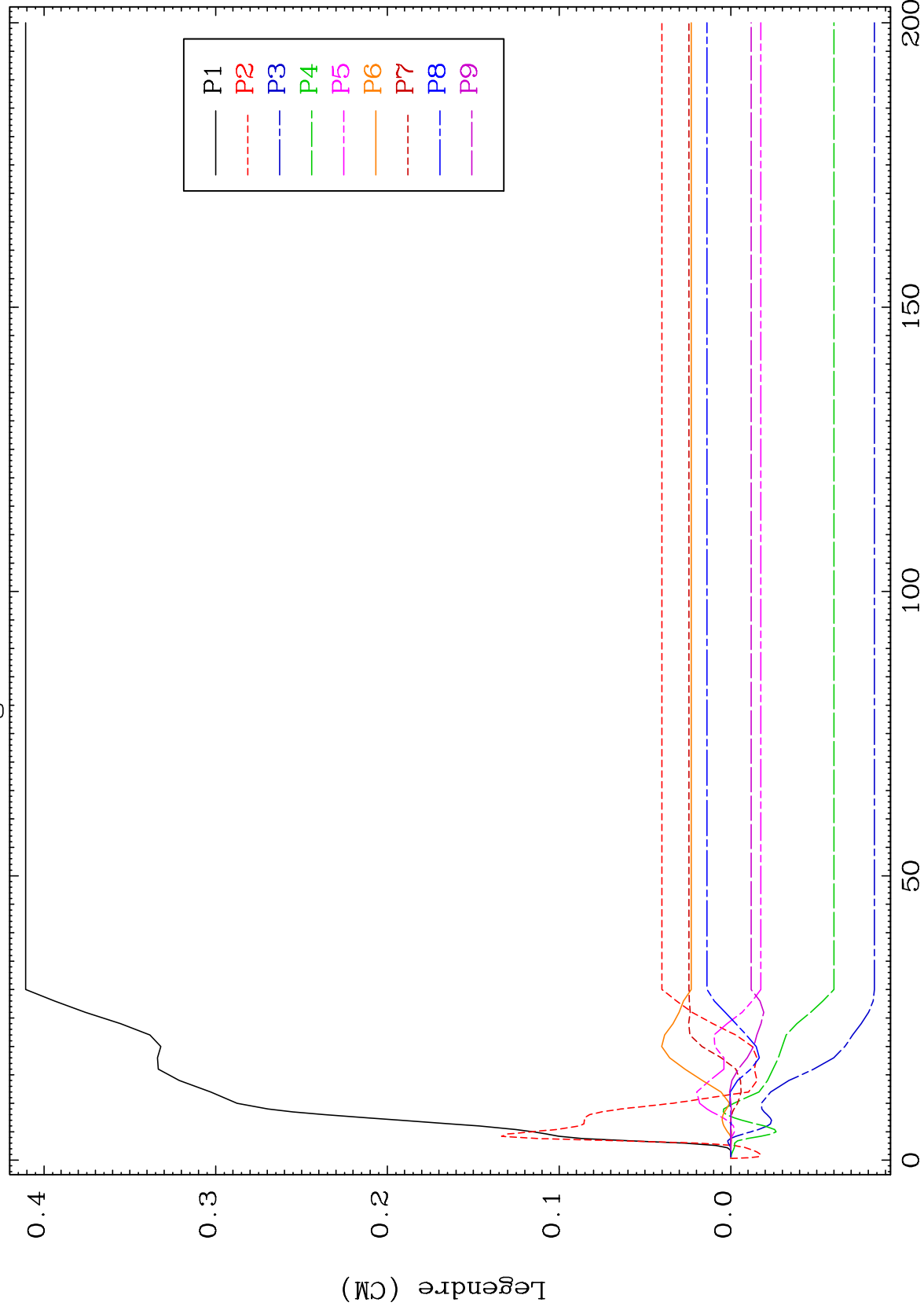




MAT 7098

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

71-Lu-166



71-Lu-166

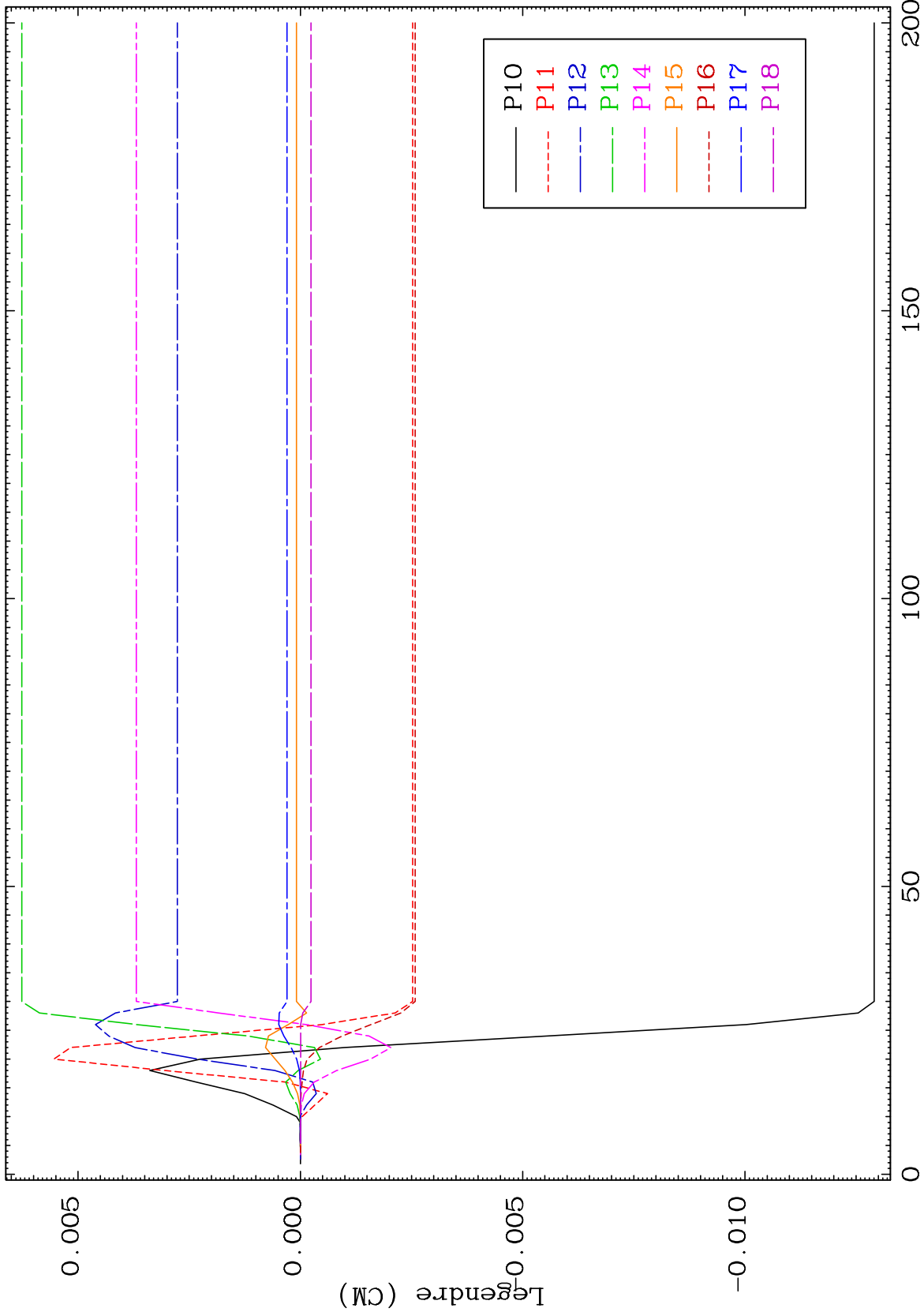
Incident Energy (MeV)

55

MAT 7098

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

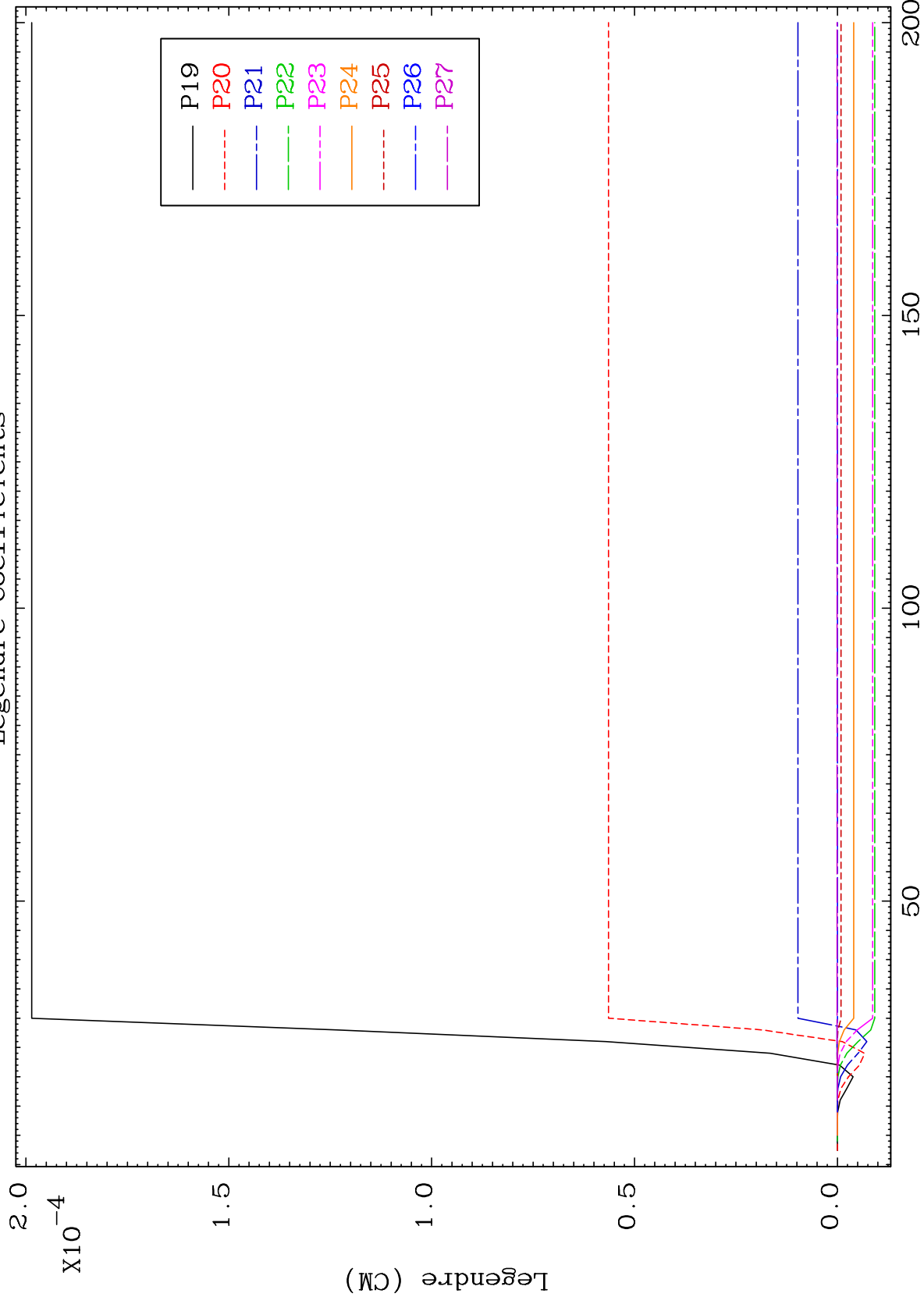
71-Lu-166



56

Incident Energy (MeV)

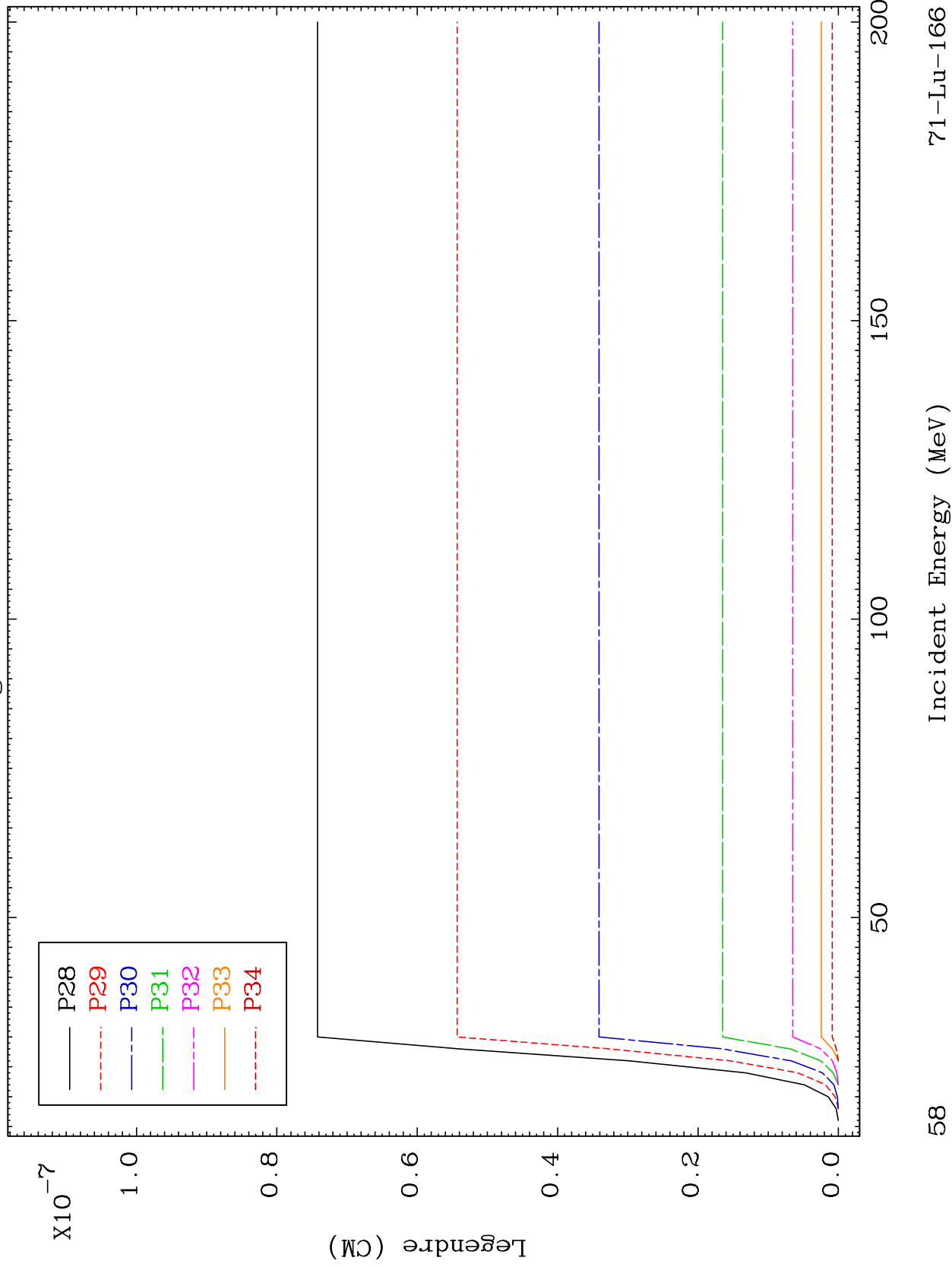
71-Lu-166



MAT 7098

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

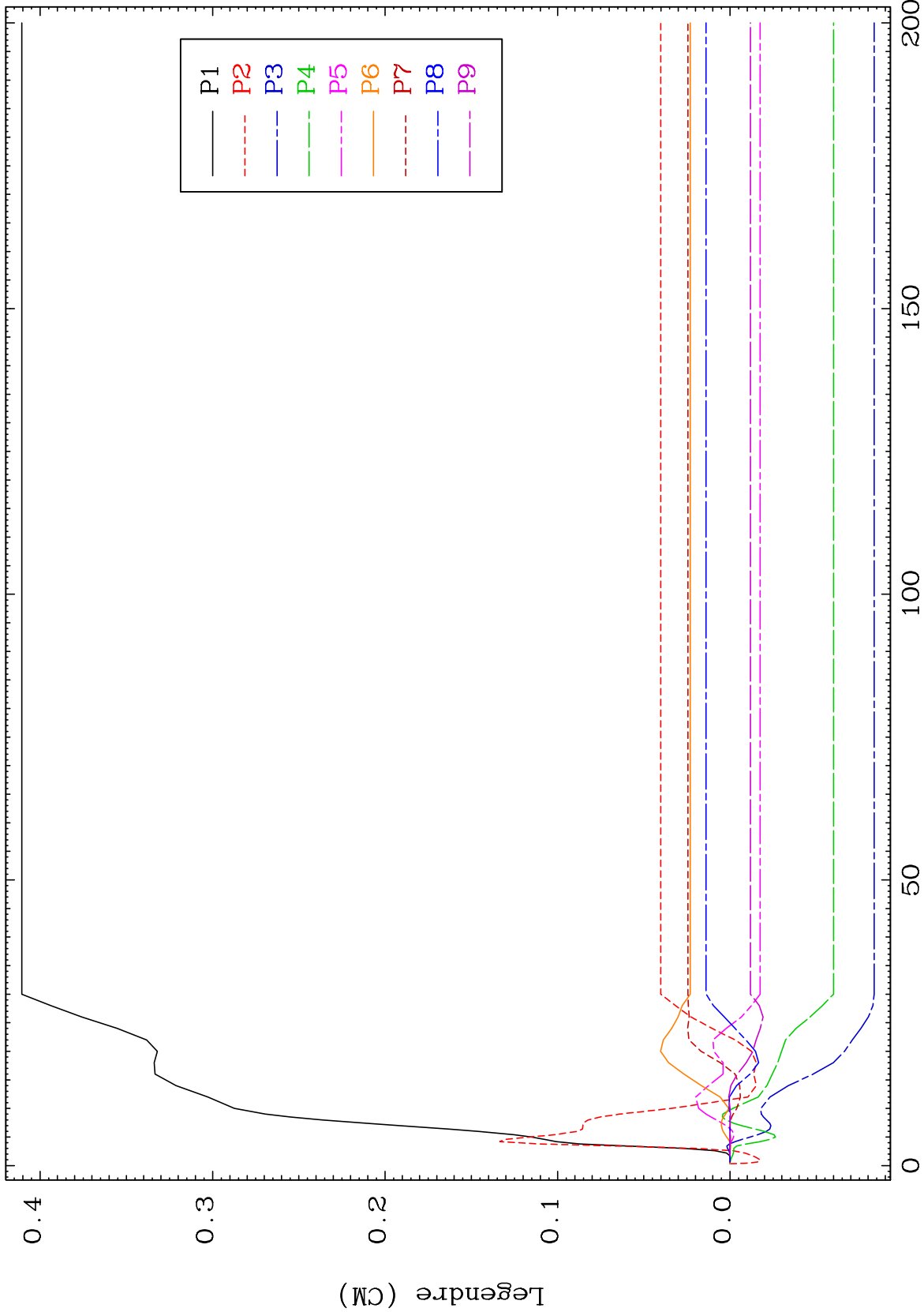
71-Lu-166



58

Incident Energy (MeV)

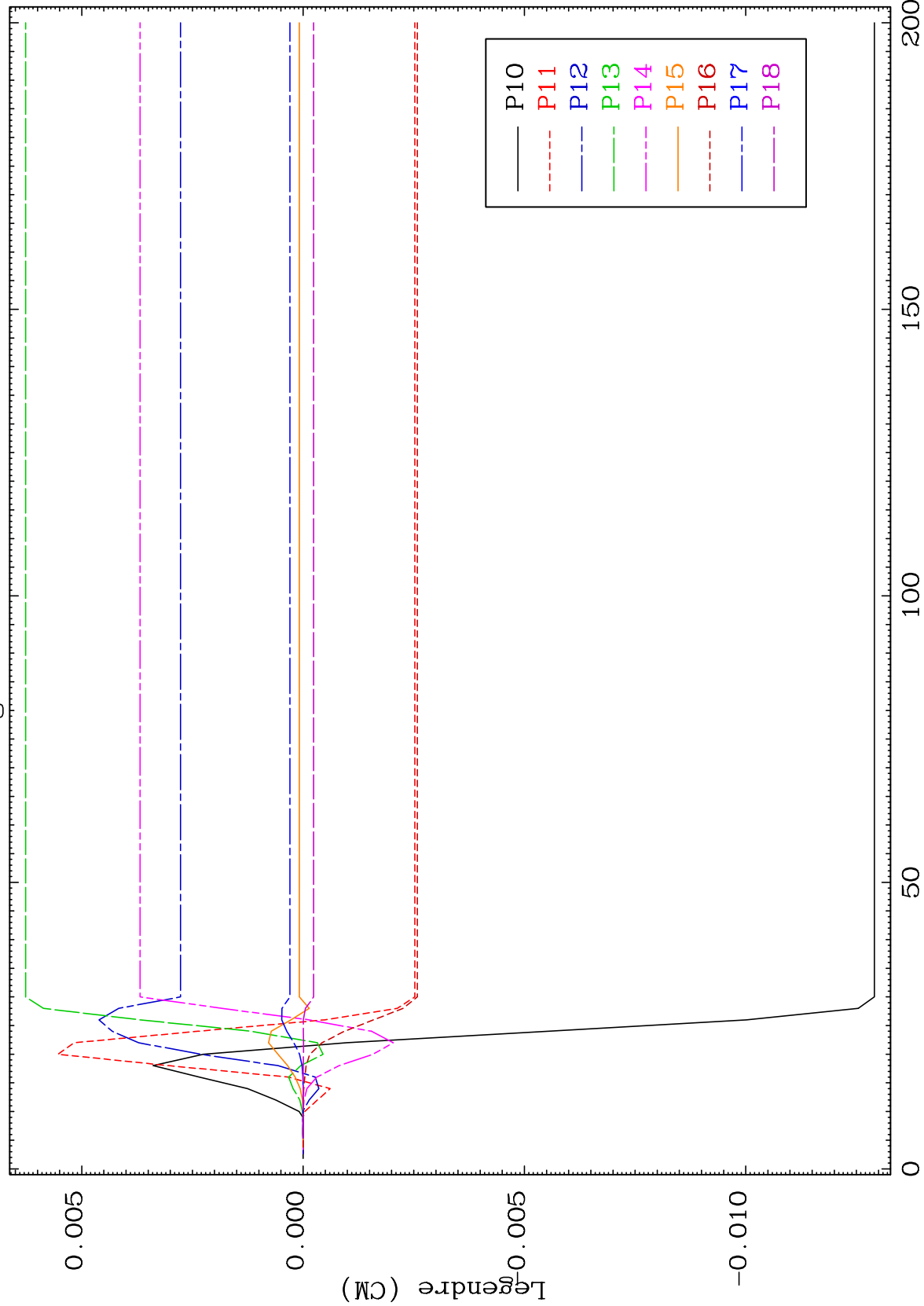
71-Lu-166



MAT 7098

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

71-Lu-166



71-Lu-166

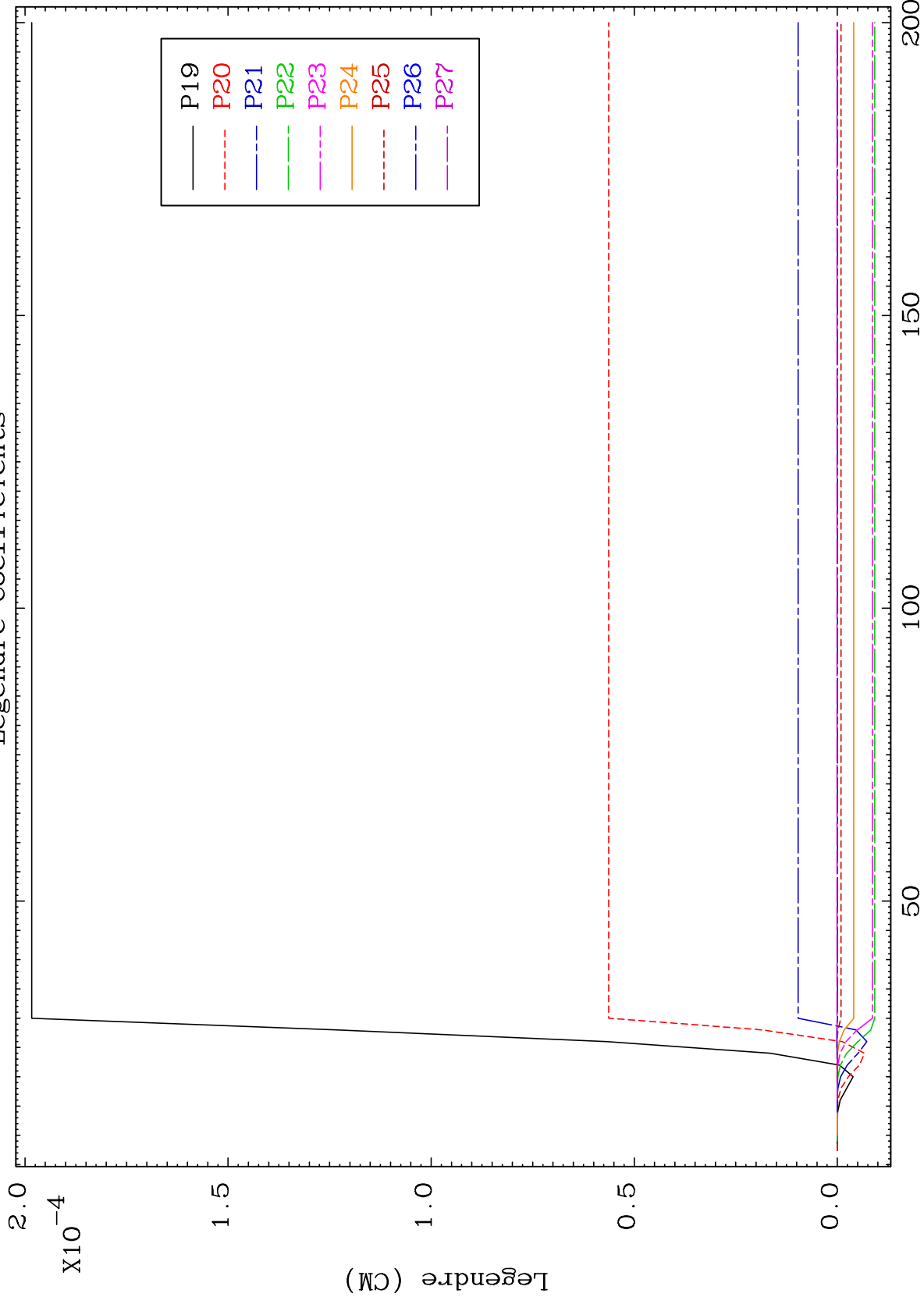
Incident Energy (MeV)

60

MAT 7098

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

71-Lu-166



61

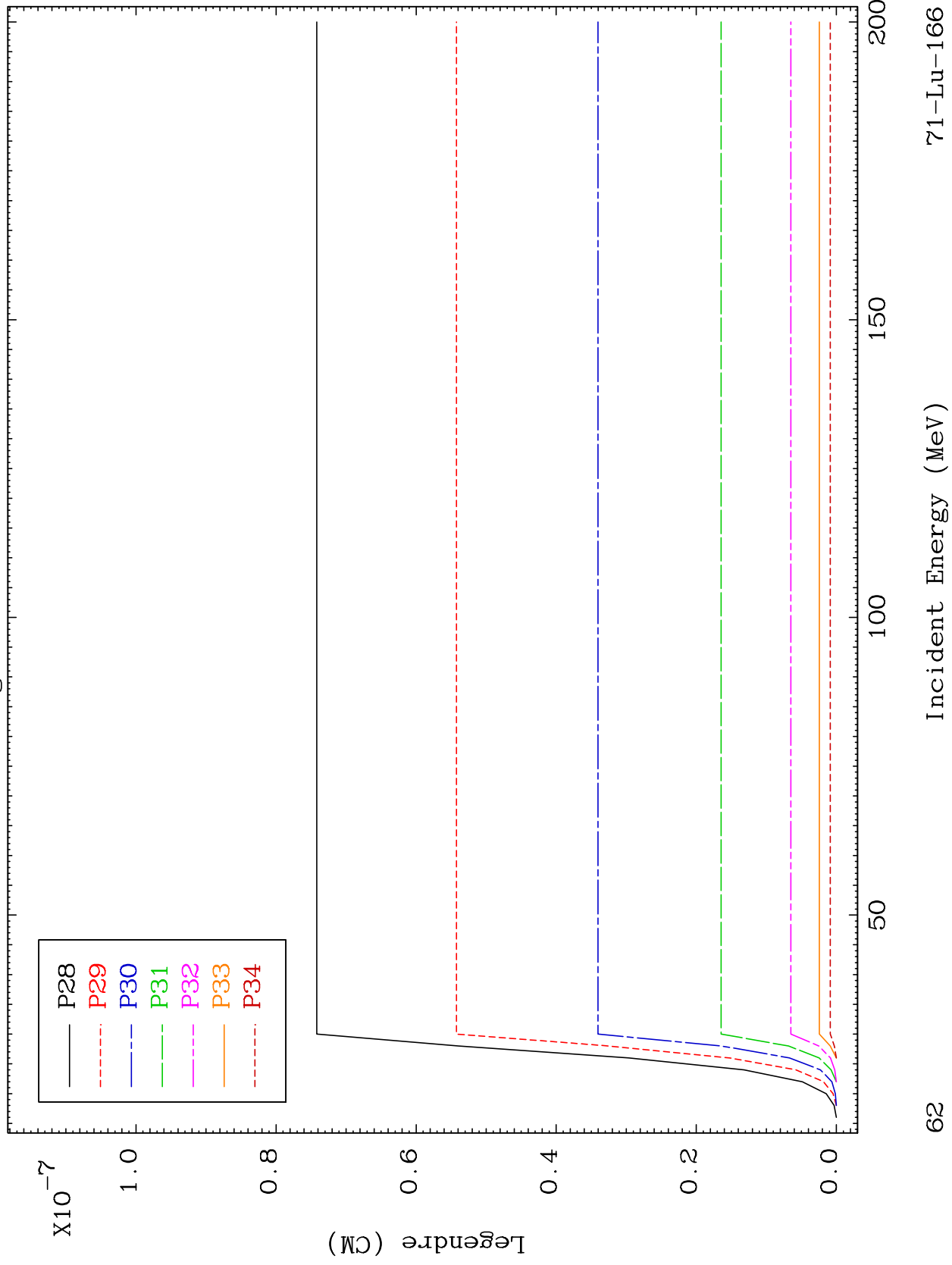
Incident Energy (MeV)

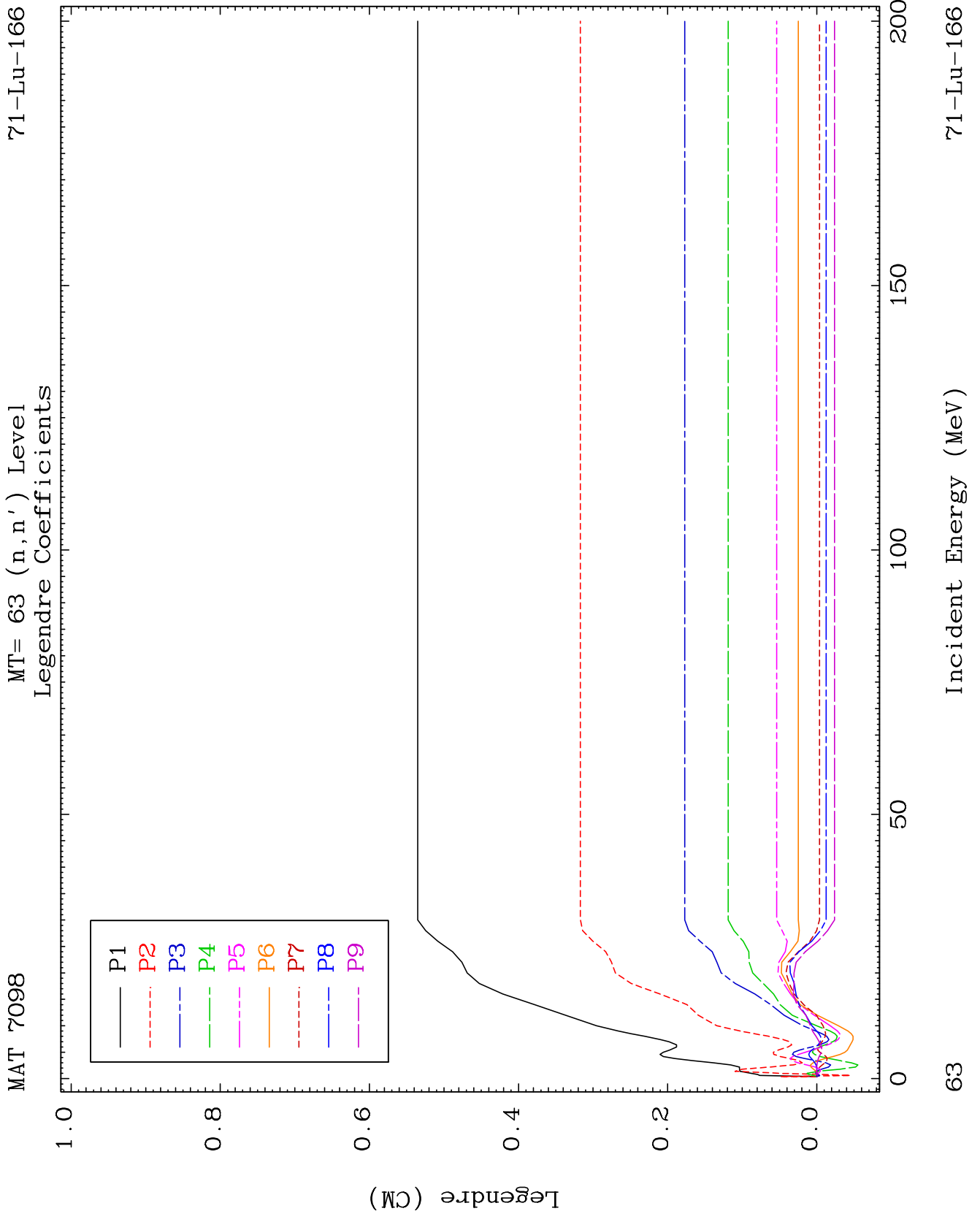
71-Lu-166

MAT 7098

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

71-Lu-166

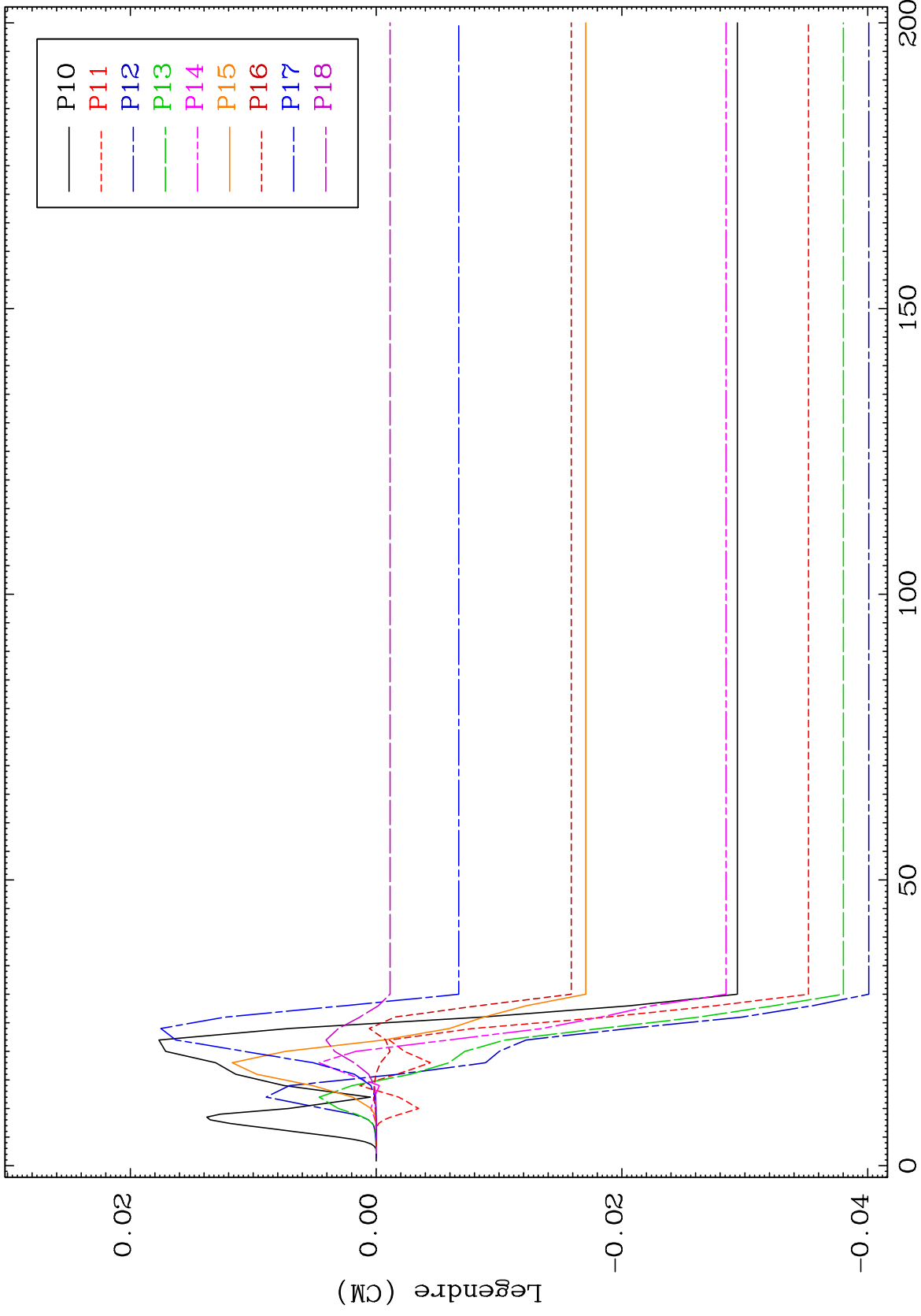




MAT 7098

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

71-Lu-166



64

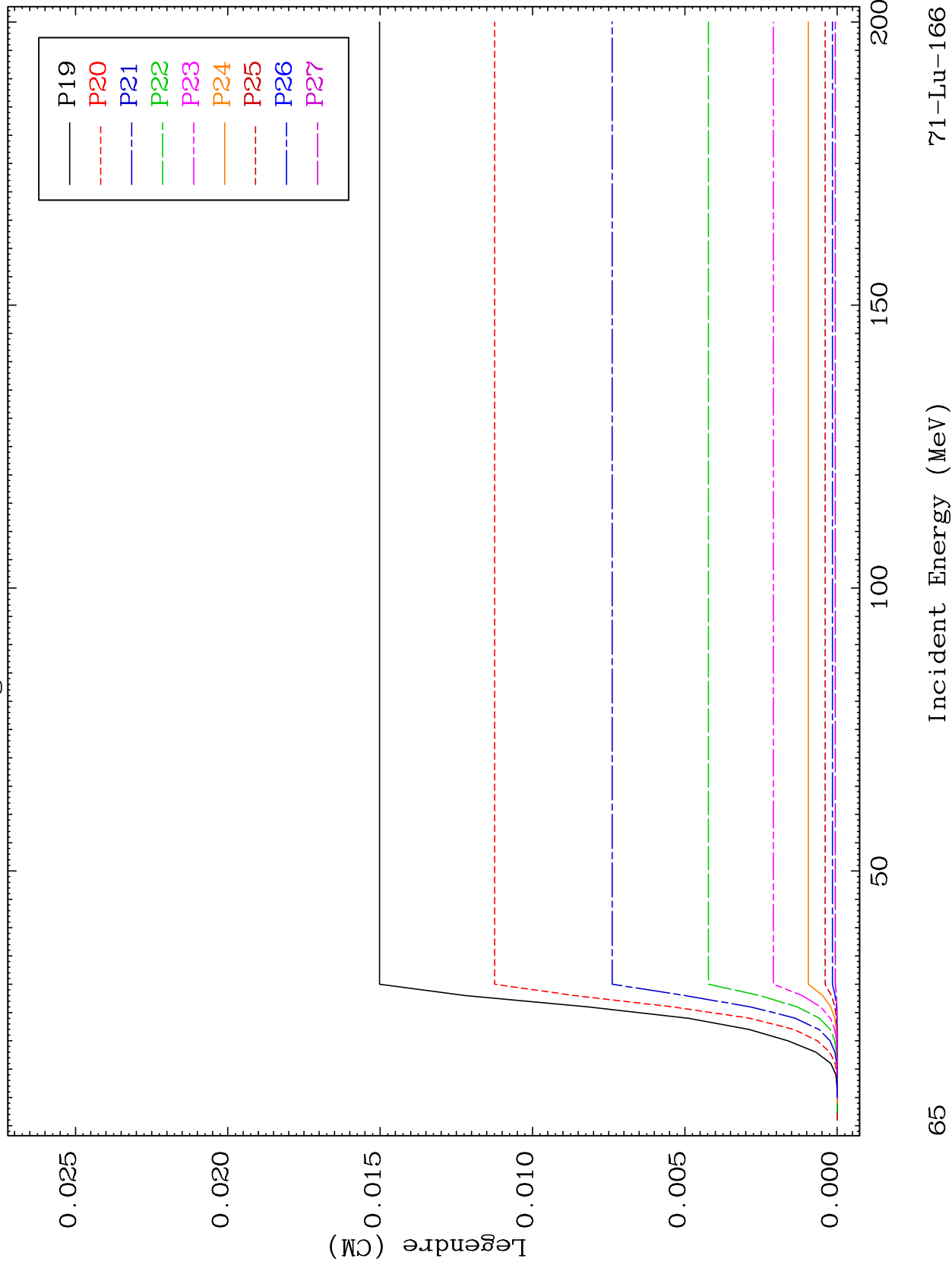
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

71-Lu-166



71-Lu-166

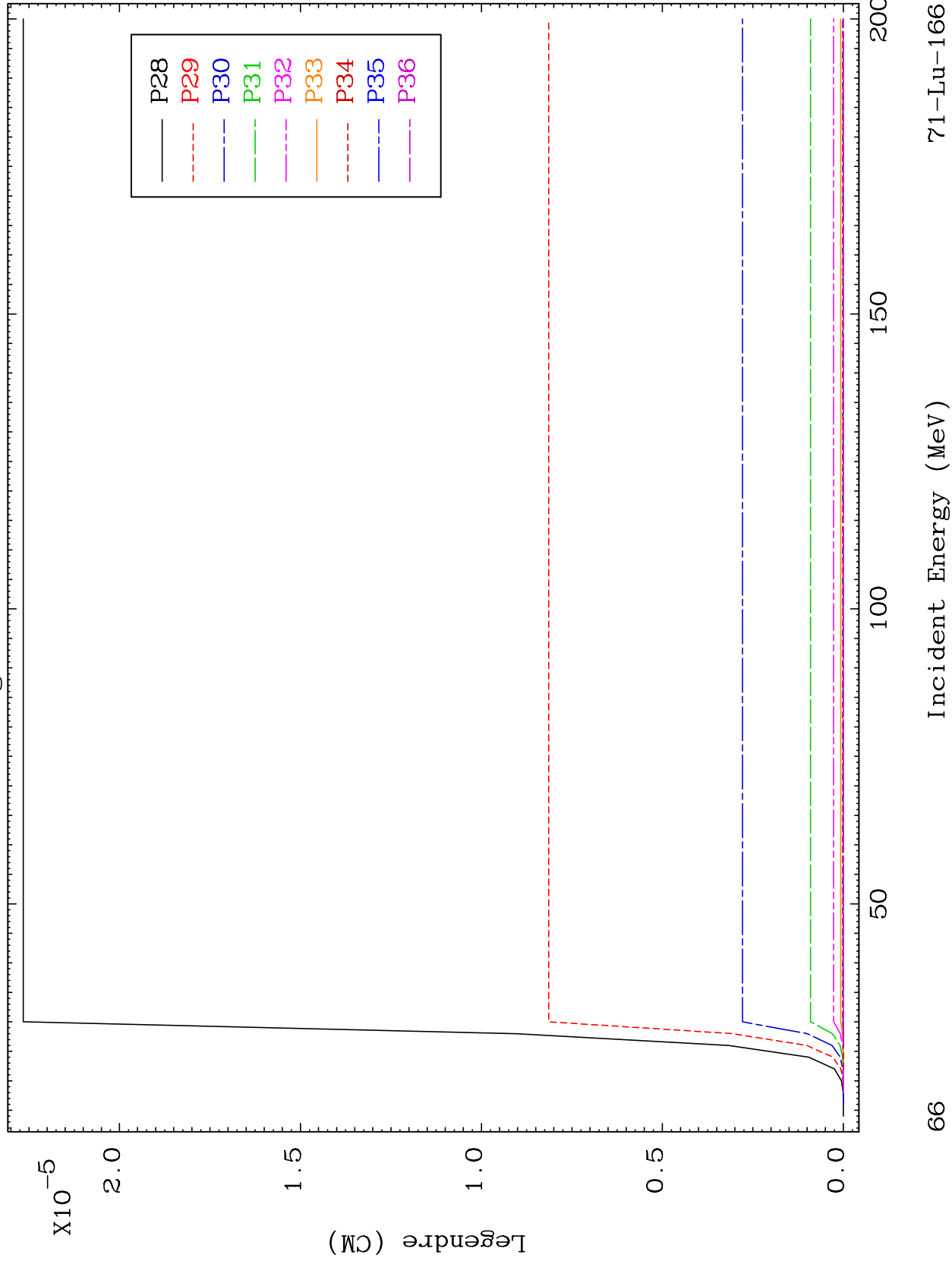
Incident Energy (MeV)

65

MAT 7098

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

71-Lu-166



66

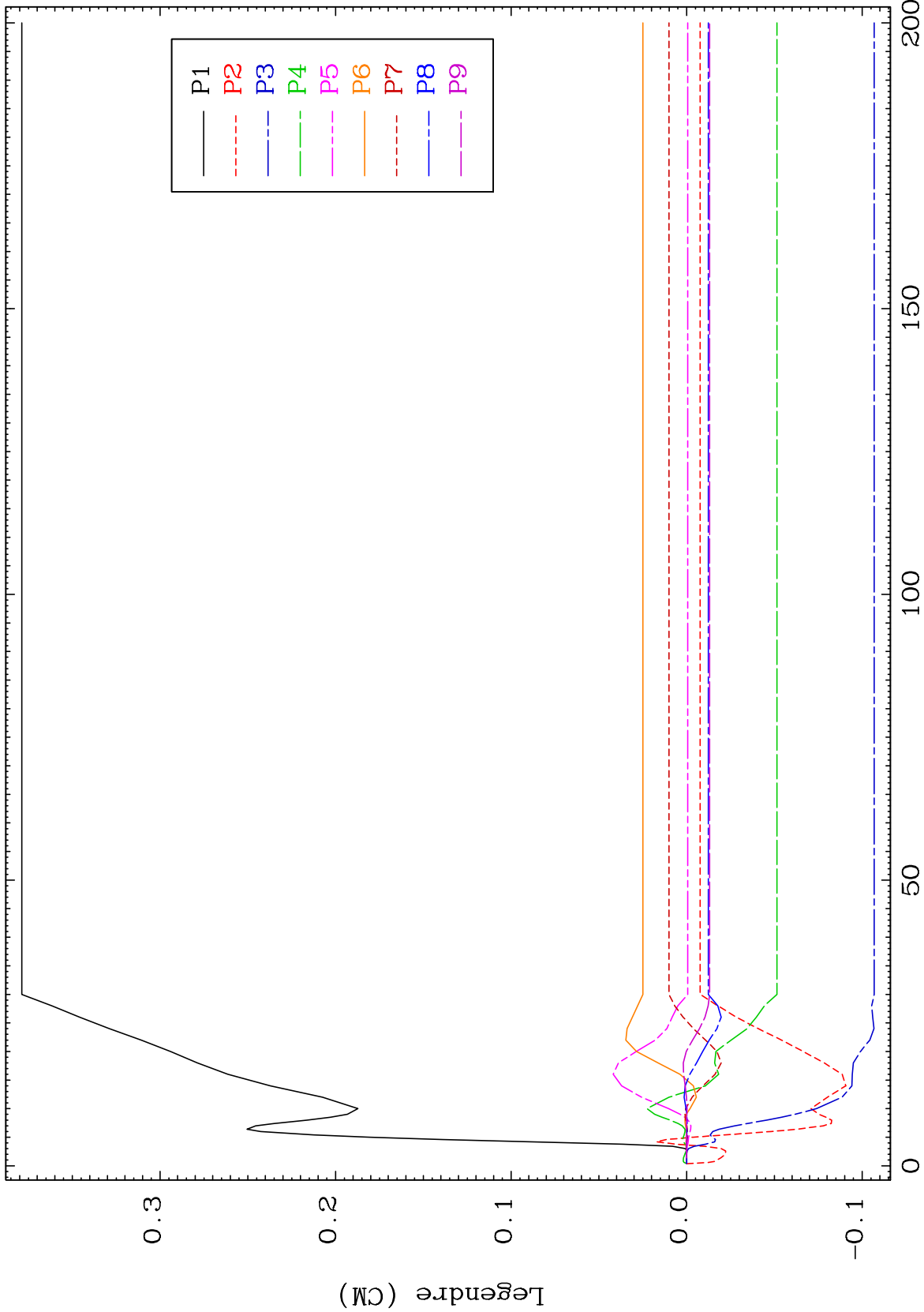
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

71-Lu-166



71-Lu-166

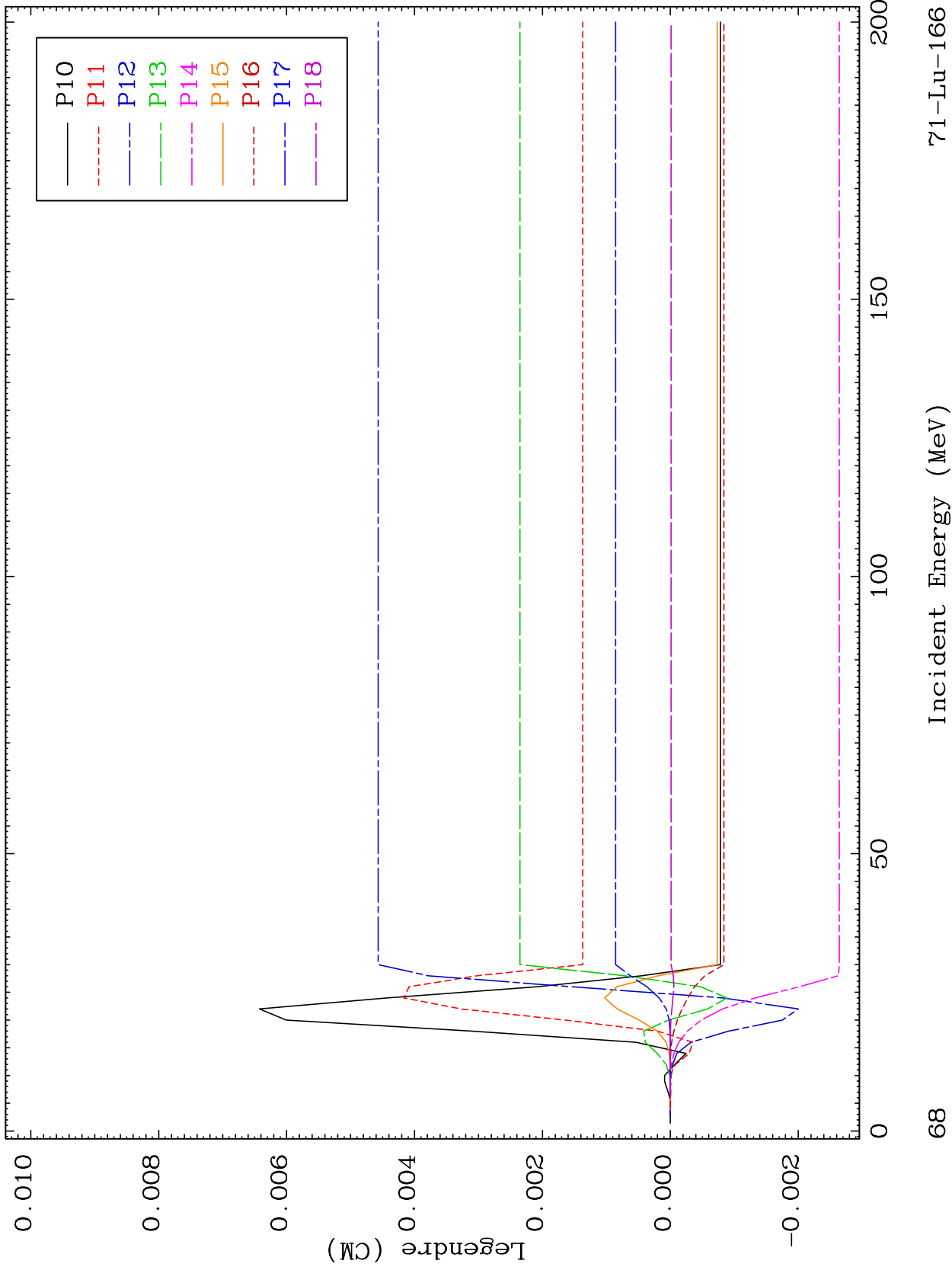
Incident Energy (MeV)

67

MAT 7098

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

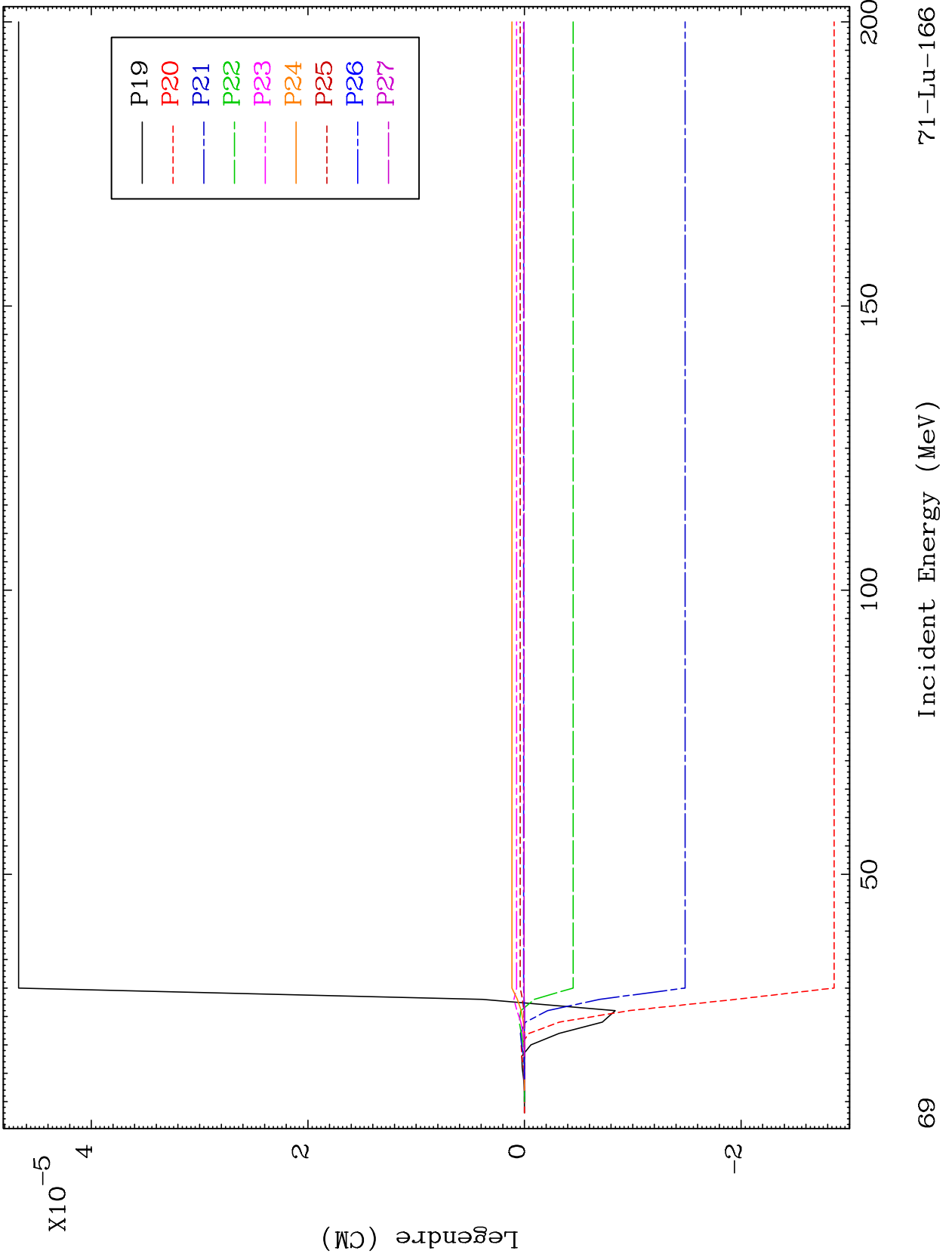
71-Lu-166



MAT 7098

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

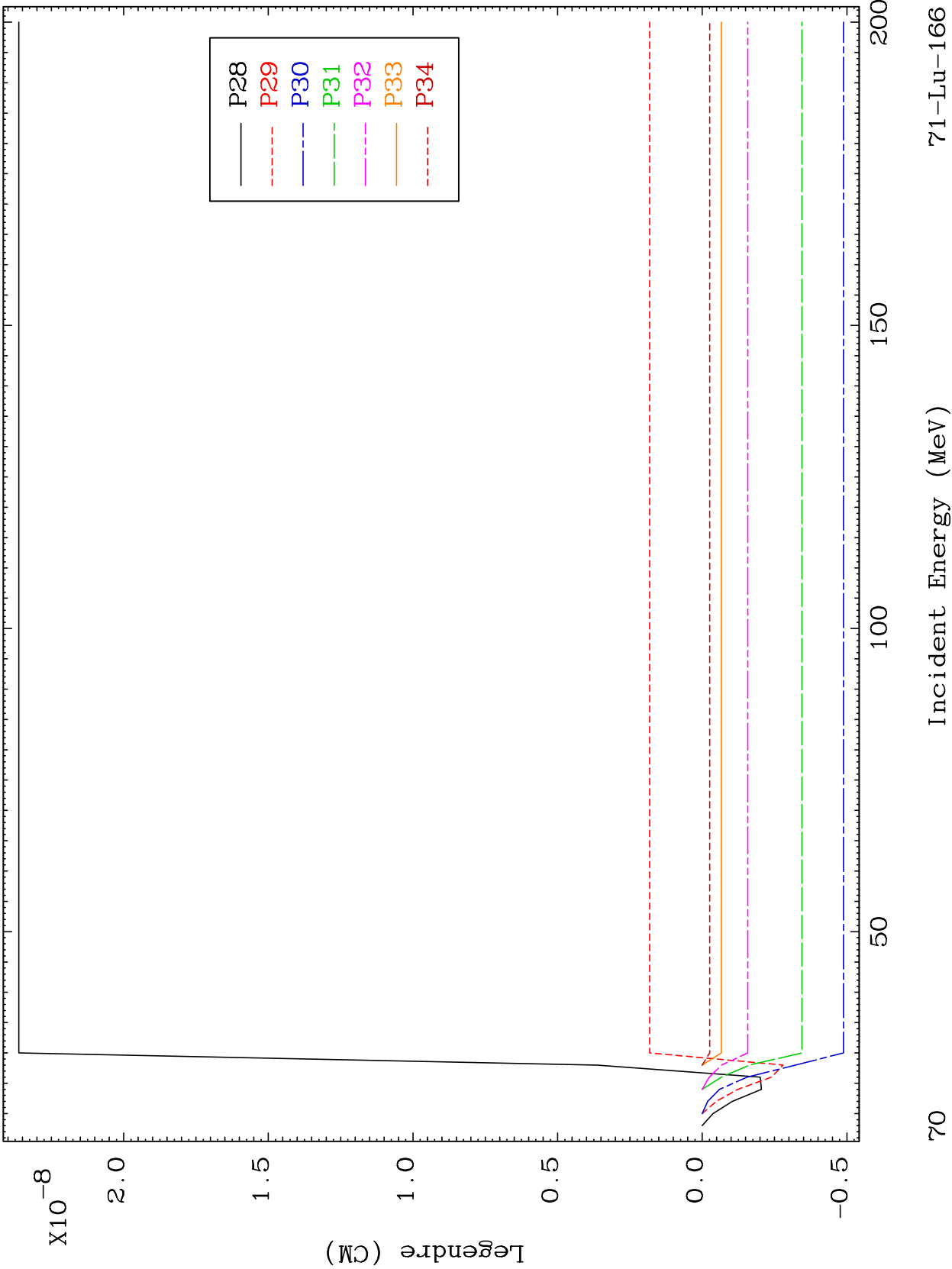
71-Lu-166



MAT 7098

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

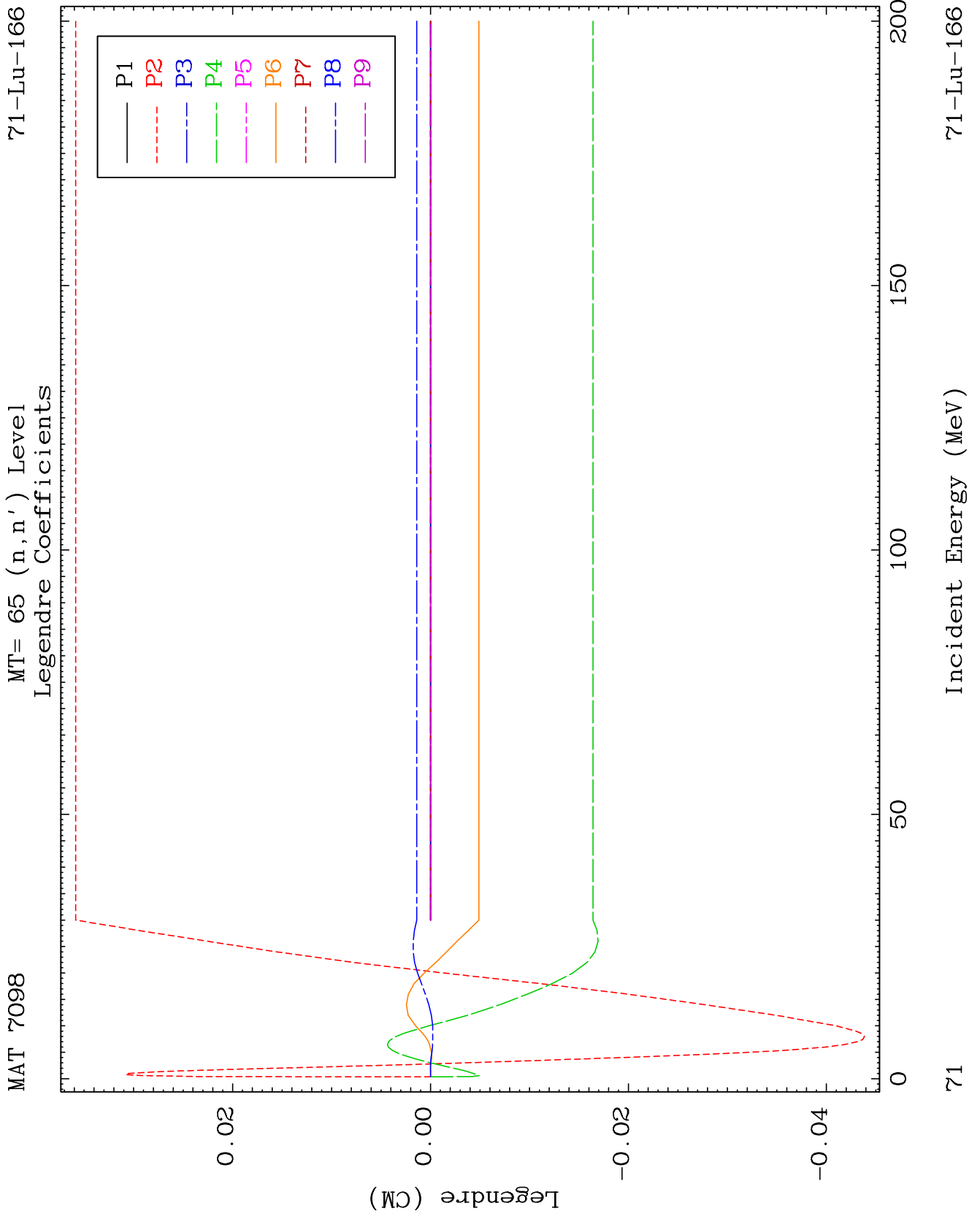
71-Lu-166



71-Lu-166

Incident Energy (MeV)

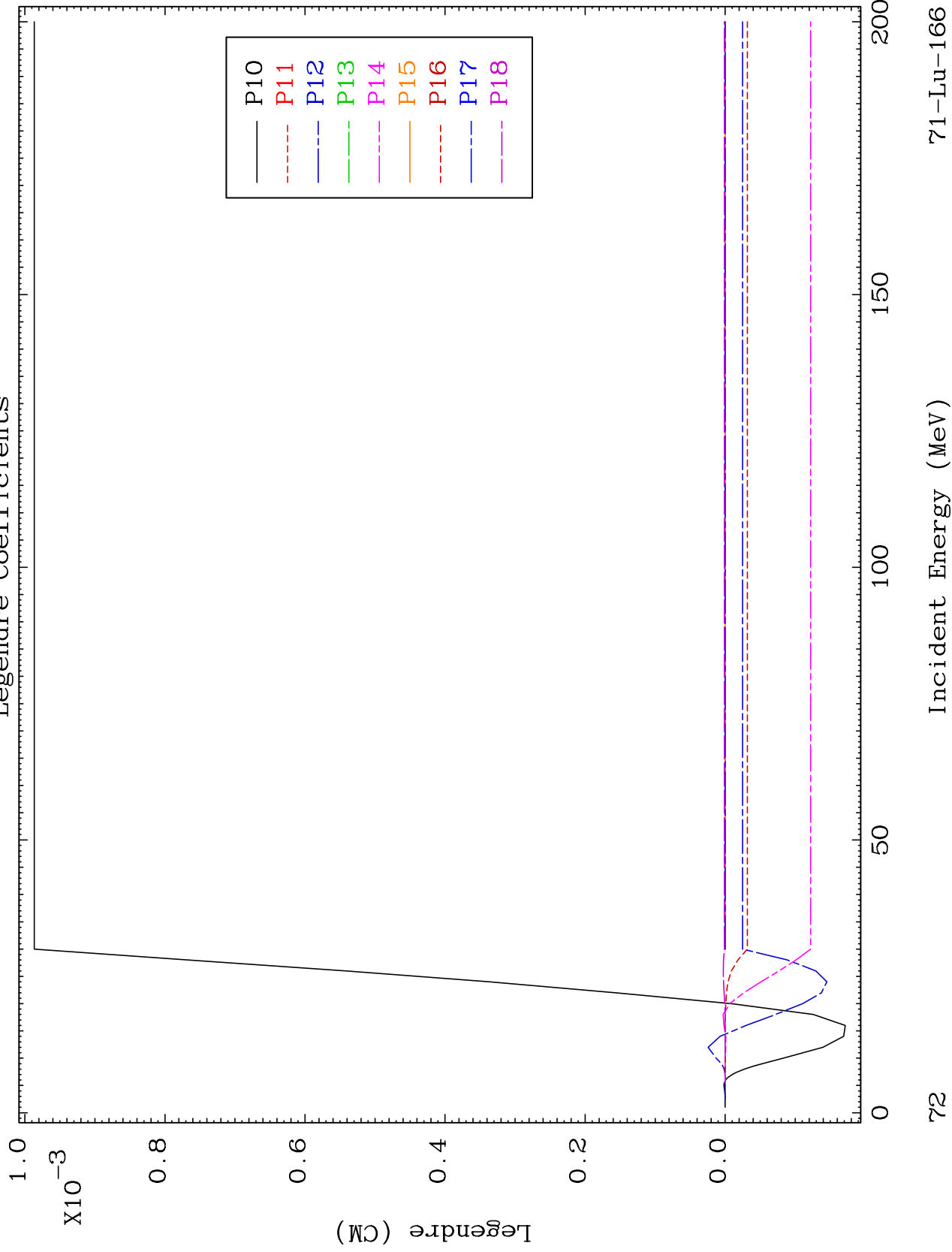
70



MAT 7098

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

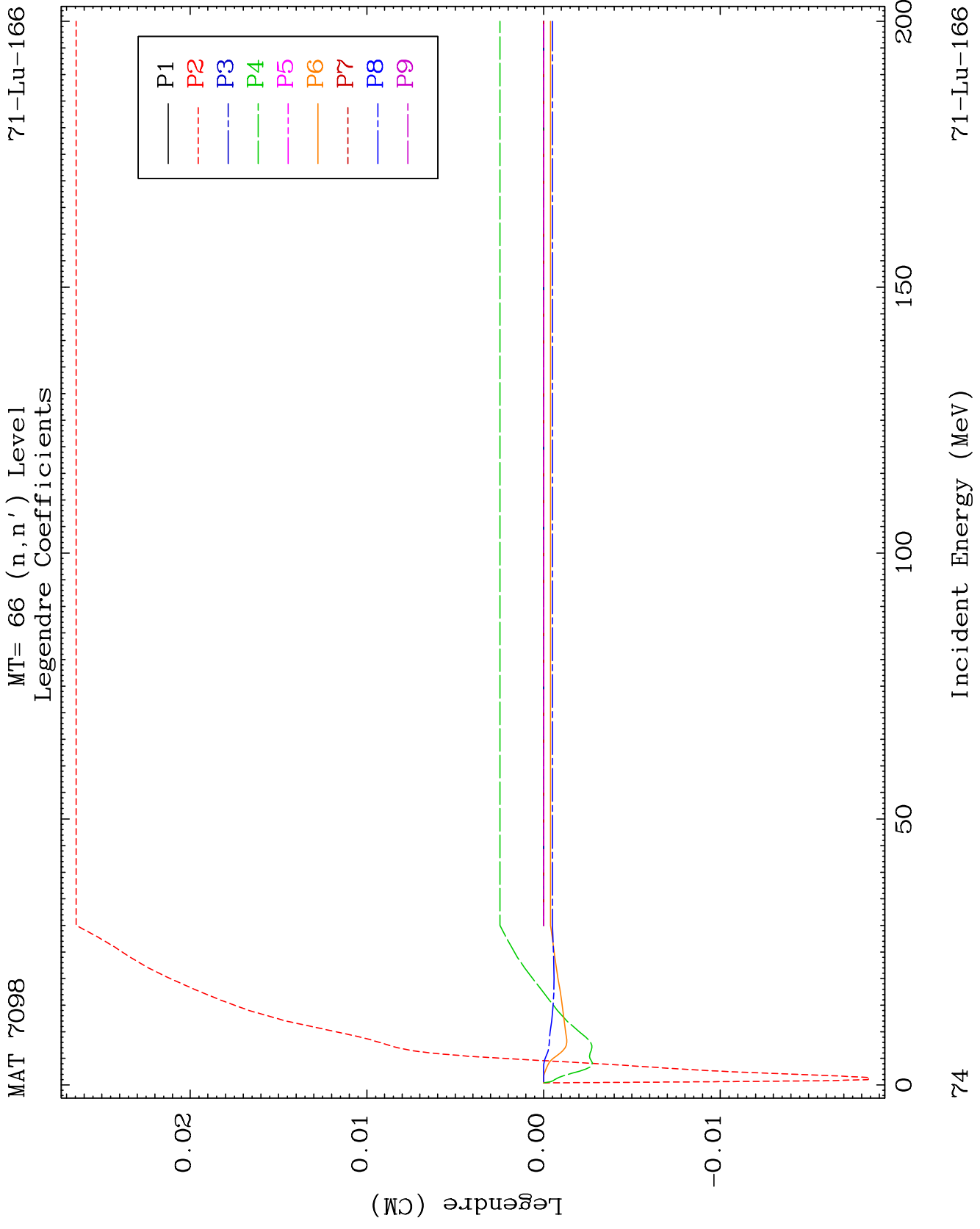
71-Lu-166



71-Lu-166

Incident Energy (MeV)

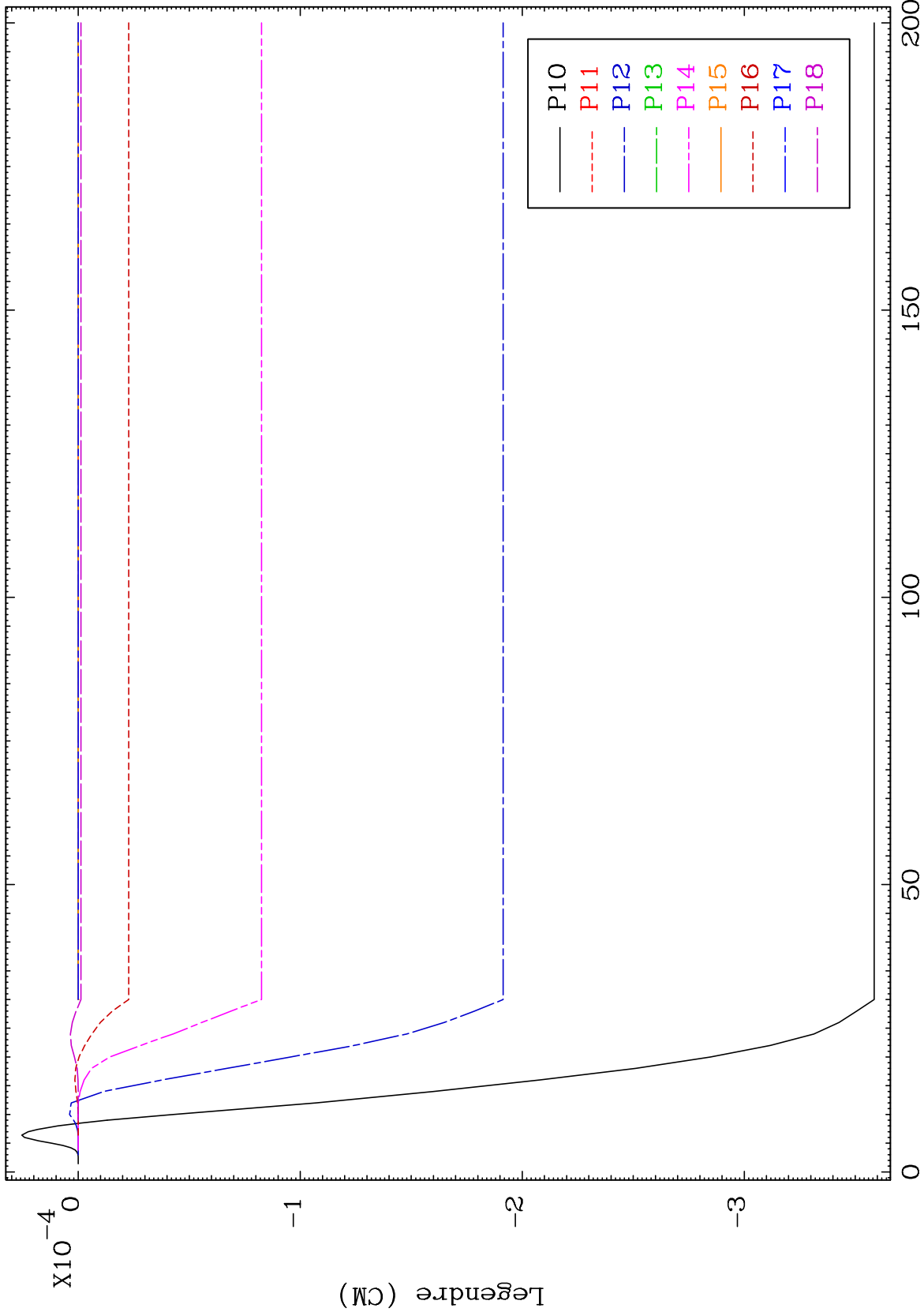
72



MAT 7098

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

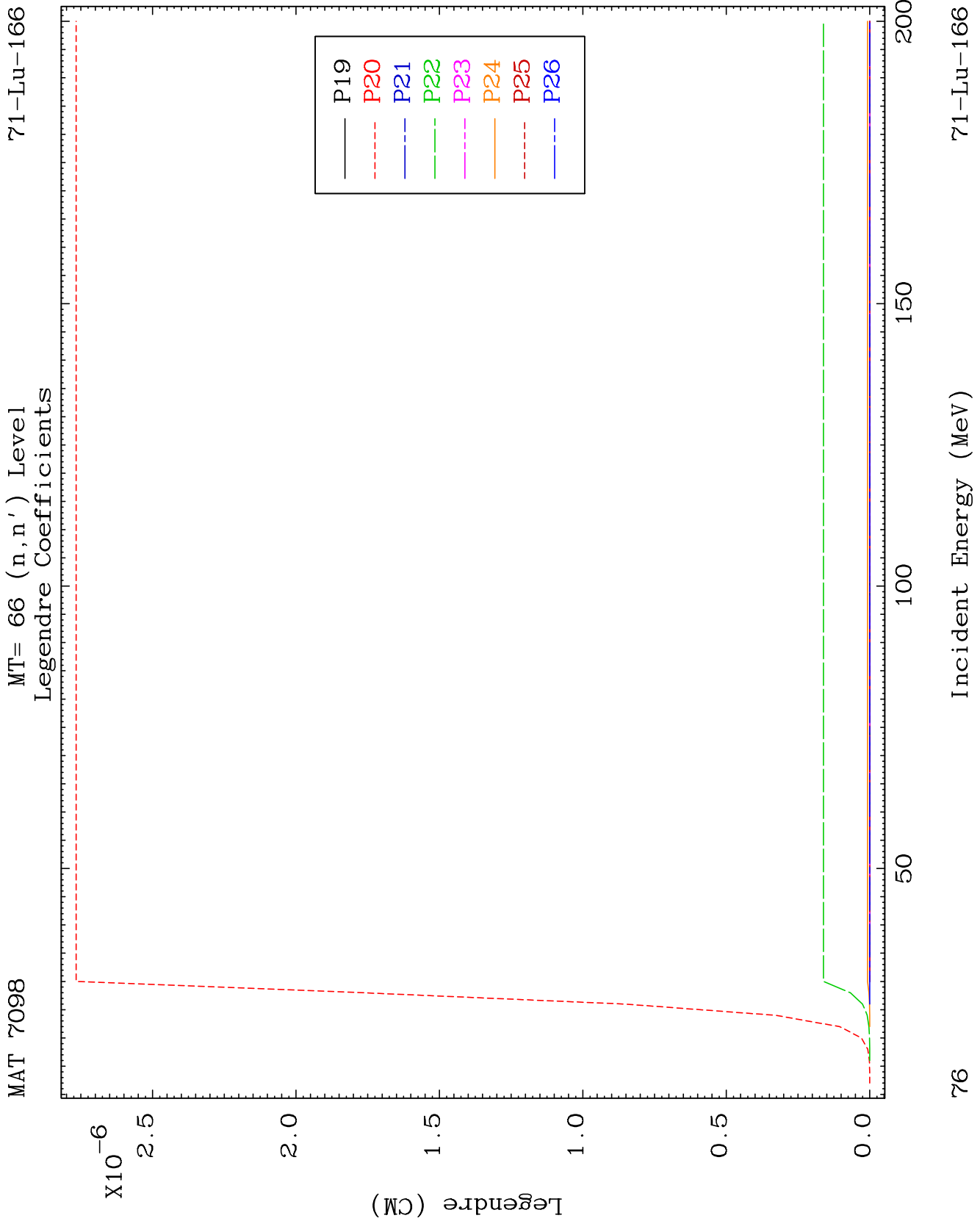
71-Lu-166

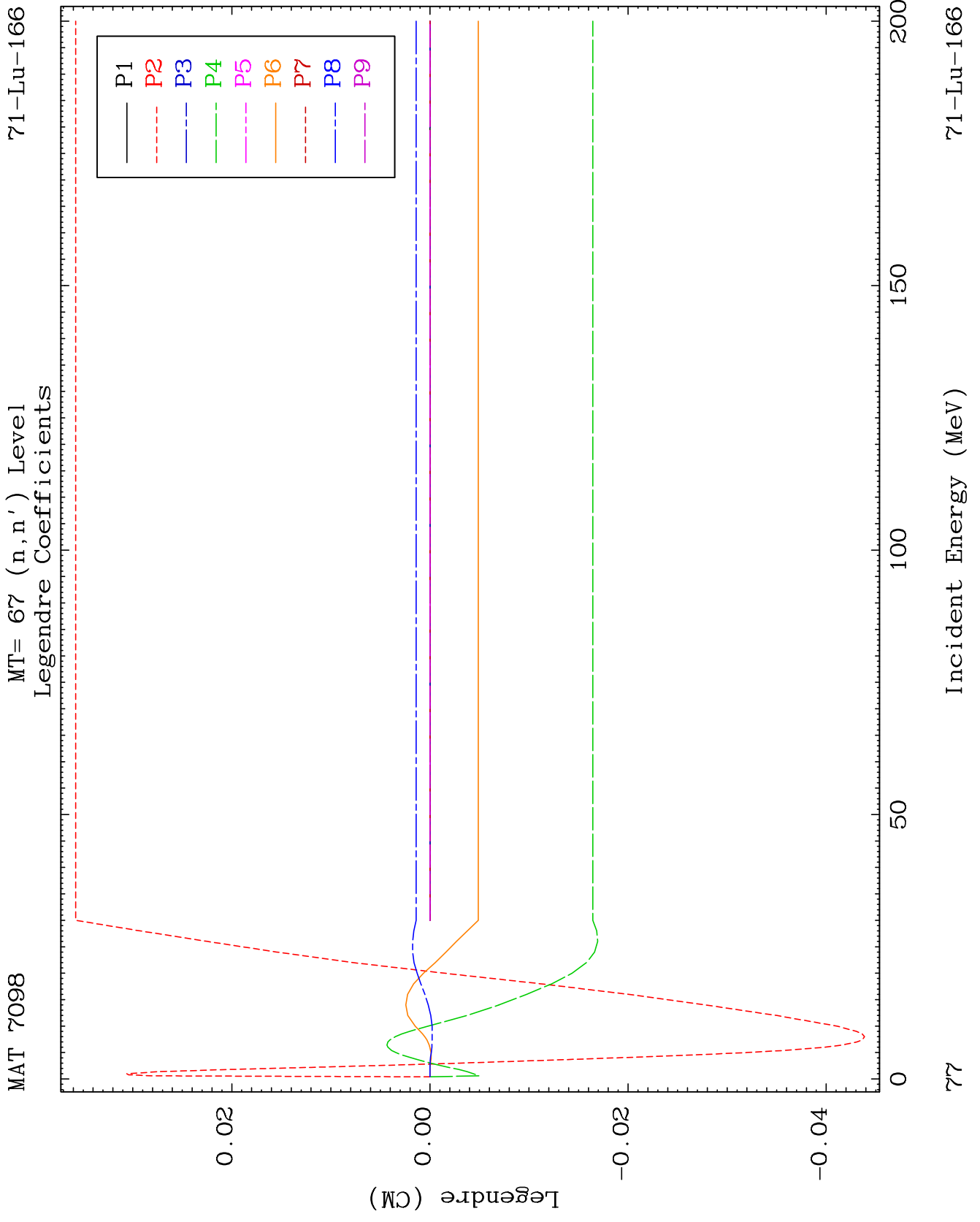


75

Incident Energy (MeV)

71-Lu-166

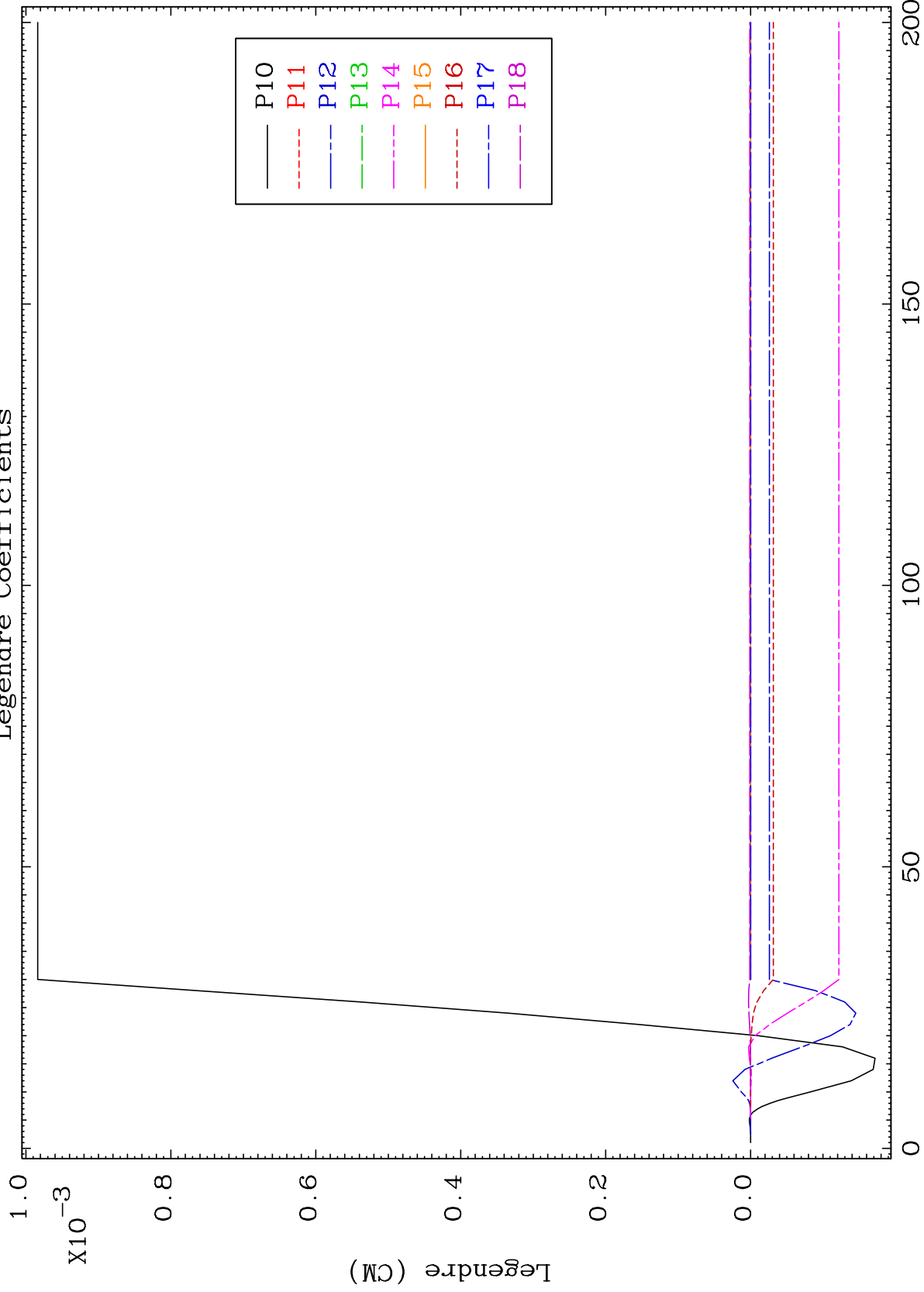




MAT 7098

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

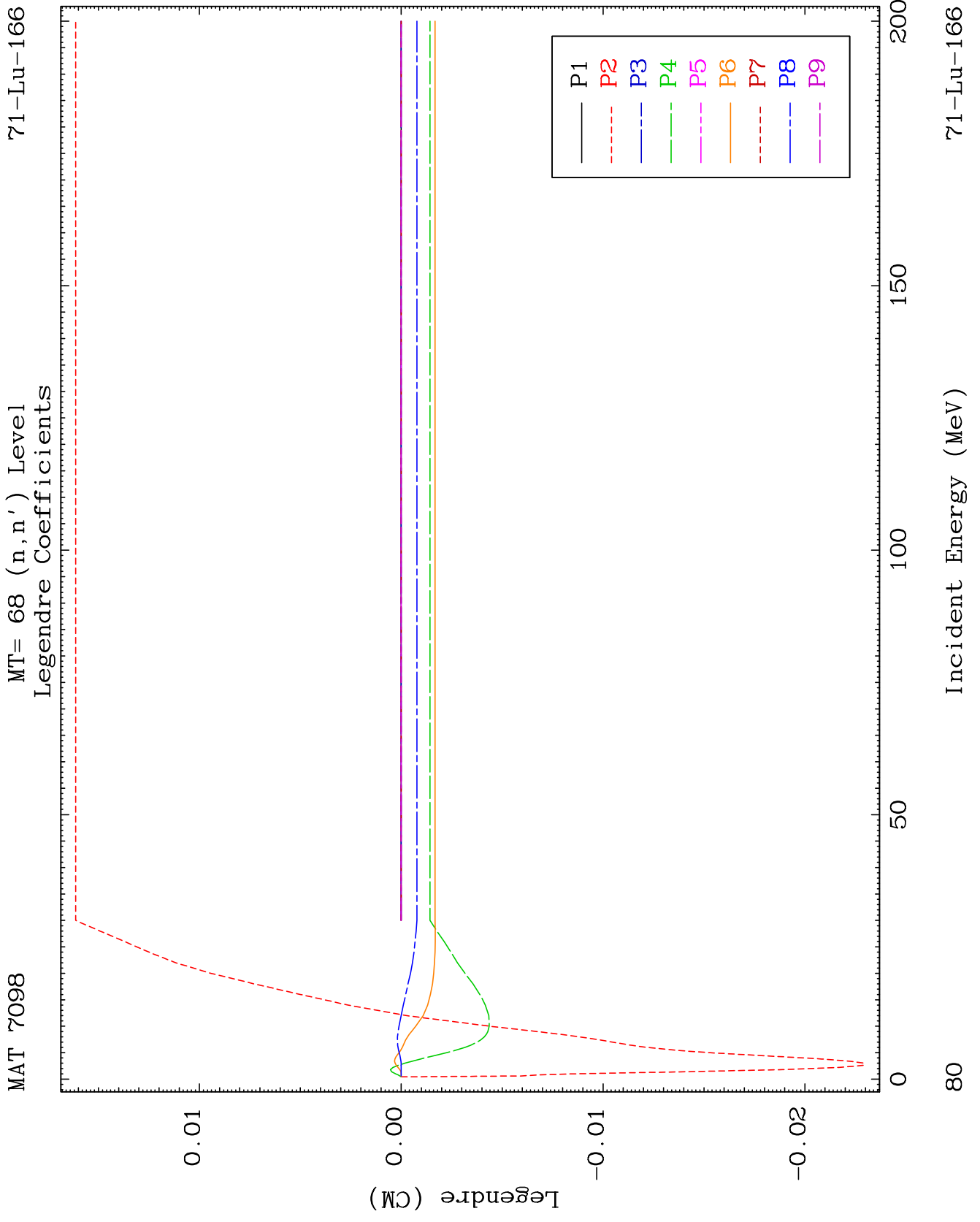
71-Lu-166



78

Incident Energy (MeV)

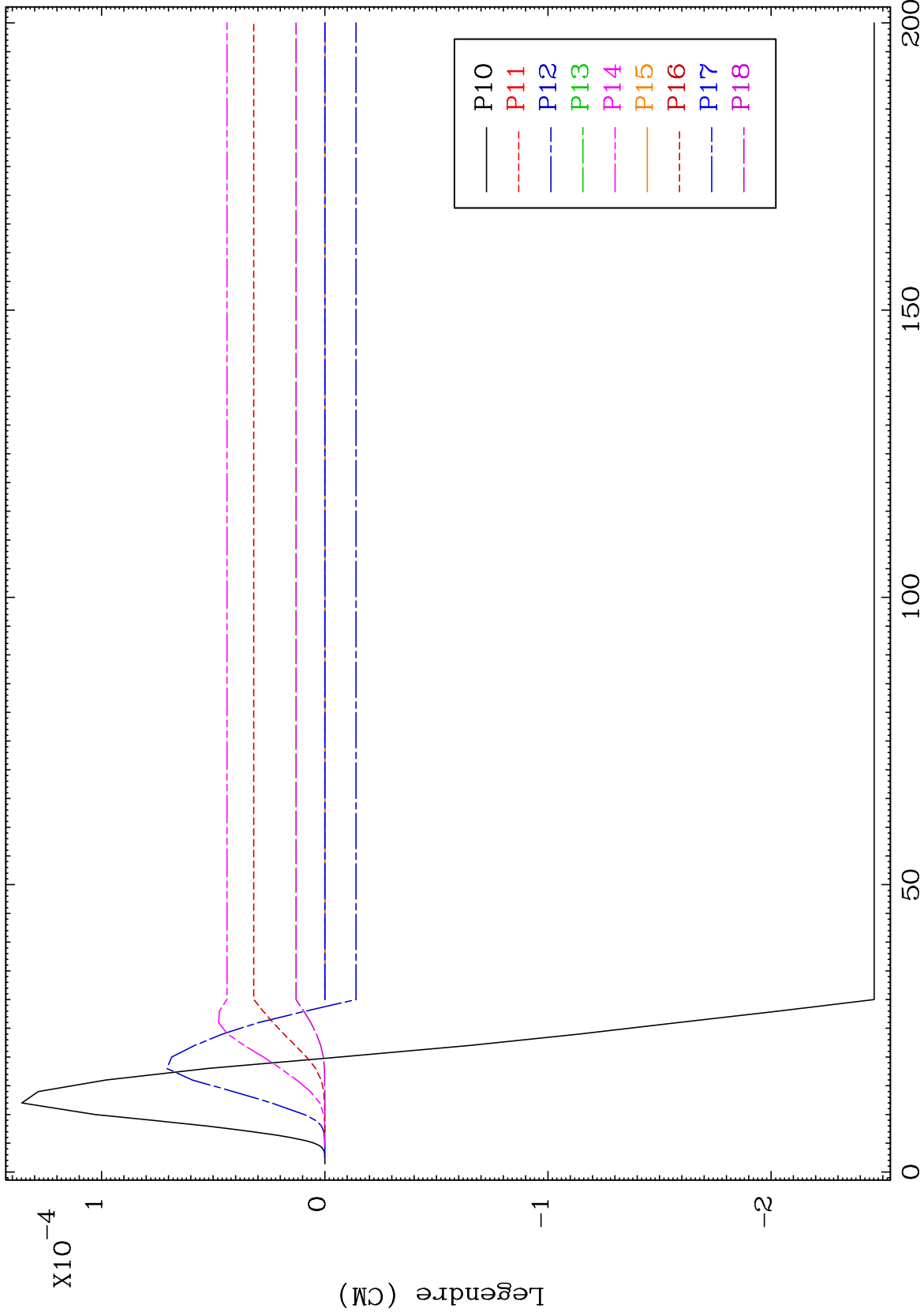
71-Lu-166



MAT 7098

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

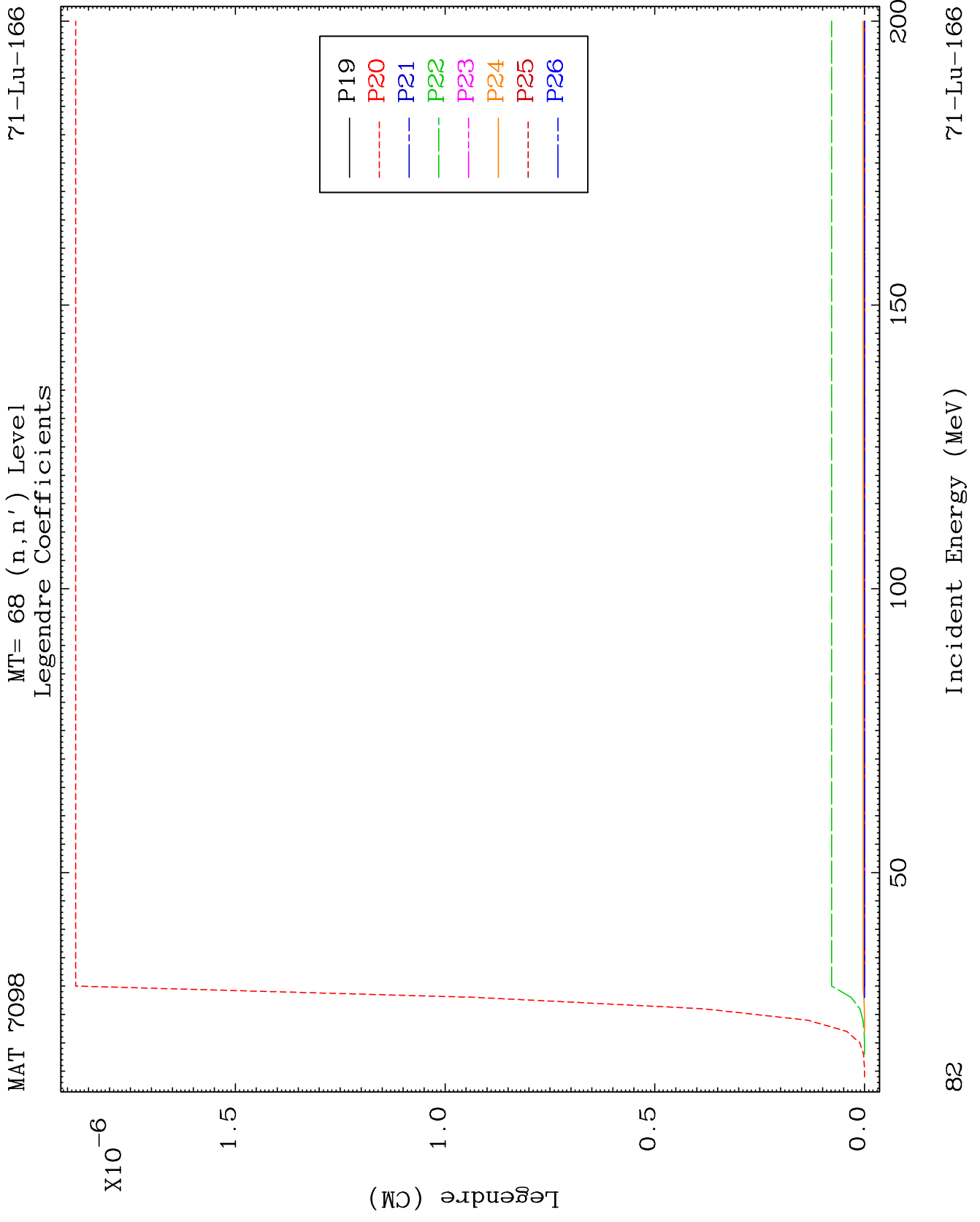
71-Lu-166



81

Incident Energy (MeV)

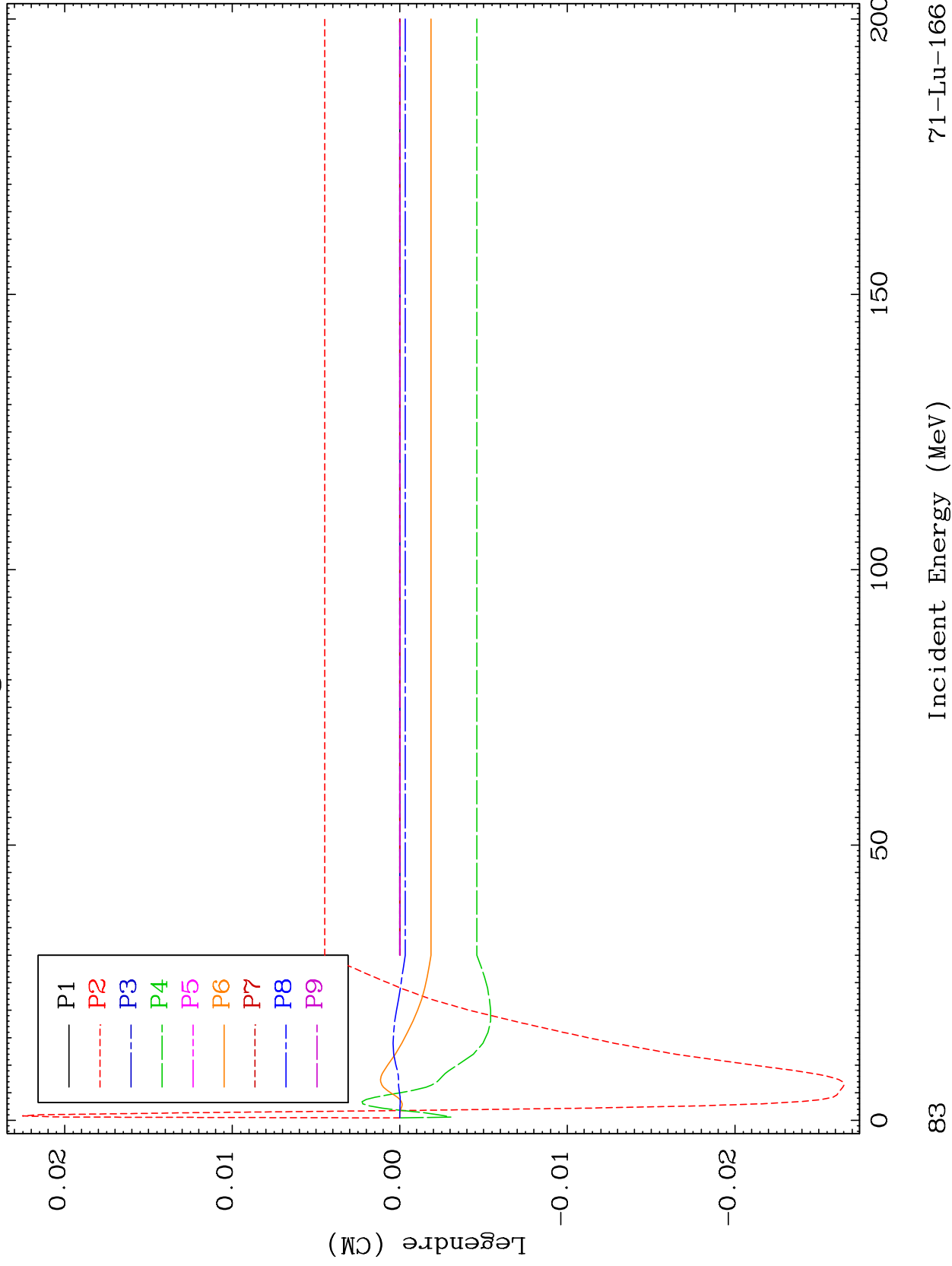
71-Lu-166



MAT 7098

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

71-Lu-166



83

Incident Energy (MeV)

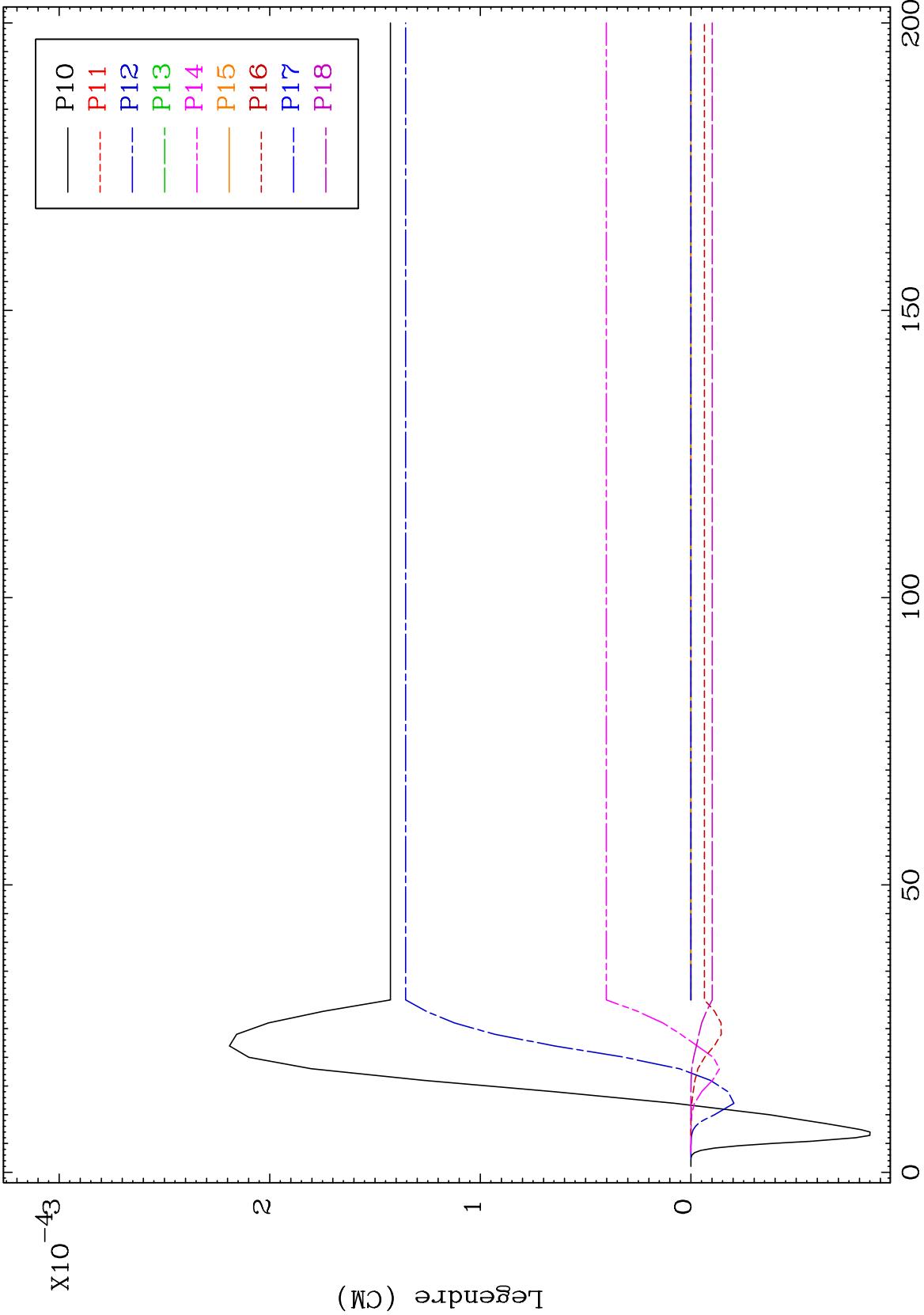
71-Lu-166

MAT 7098

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

71-Lu-166

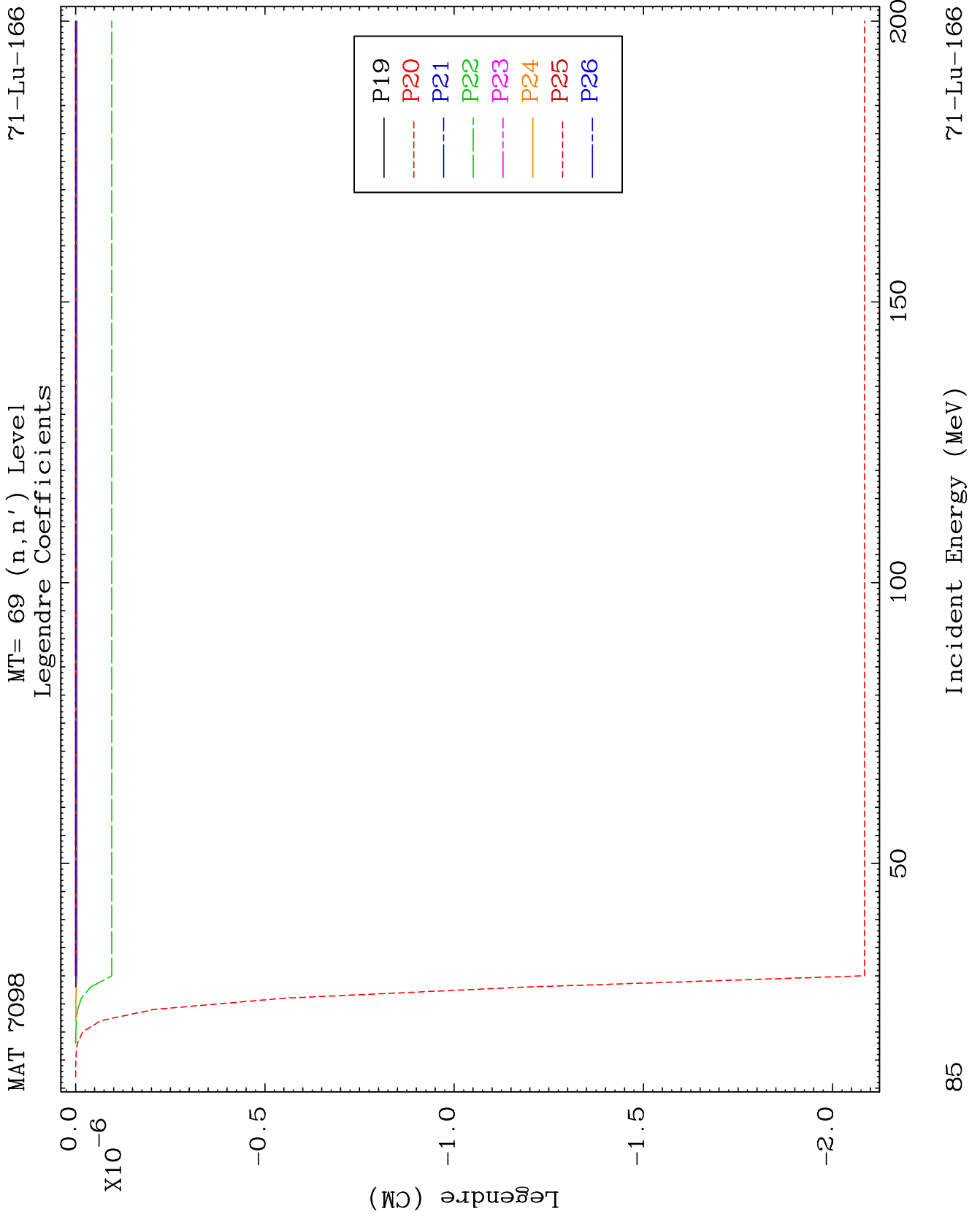
$\times 10^{-43}$



84

Incident Energy (MeV)

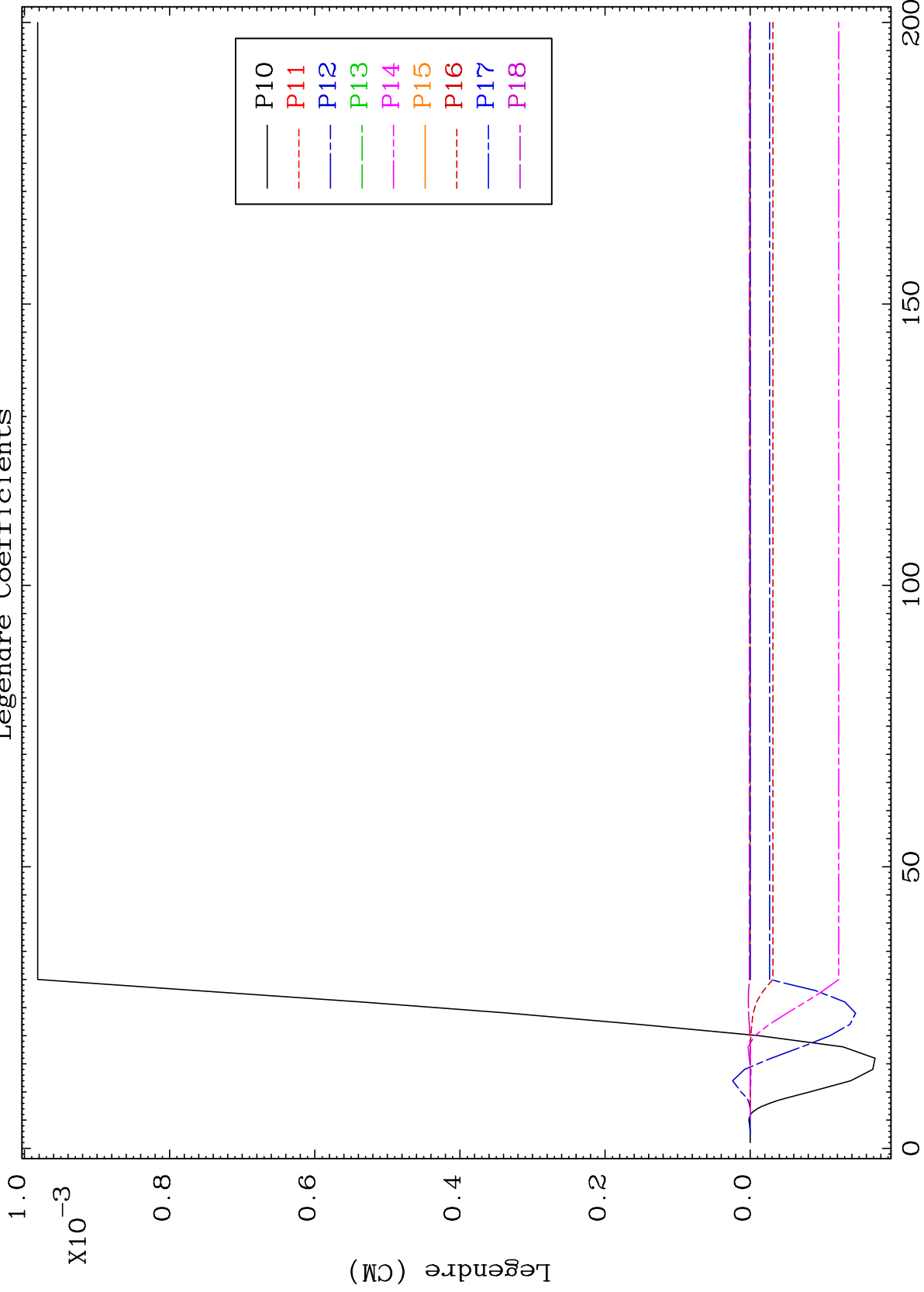
71-Lu-166



MAT 7098

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

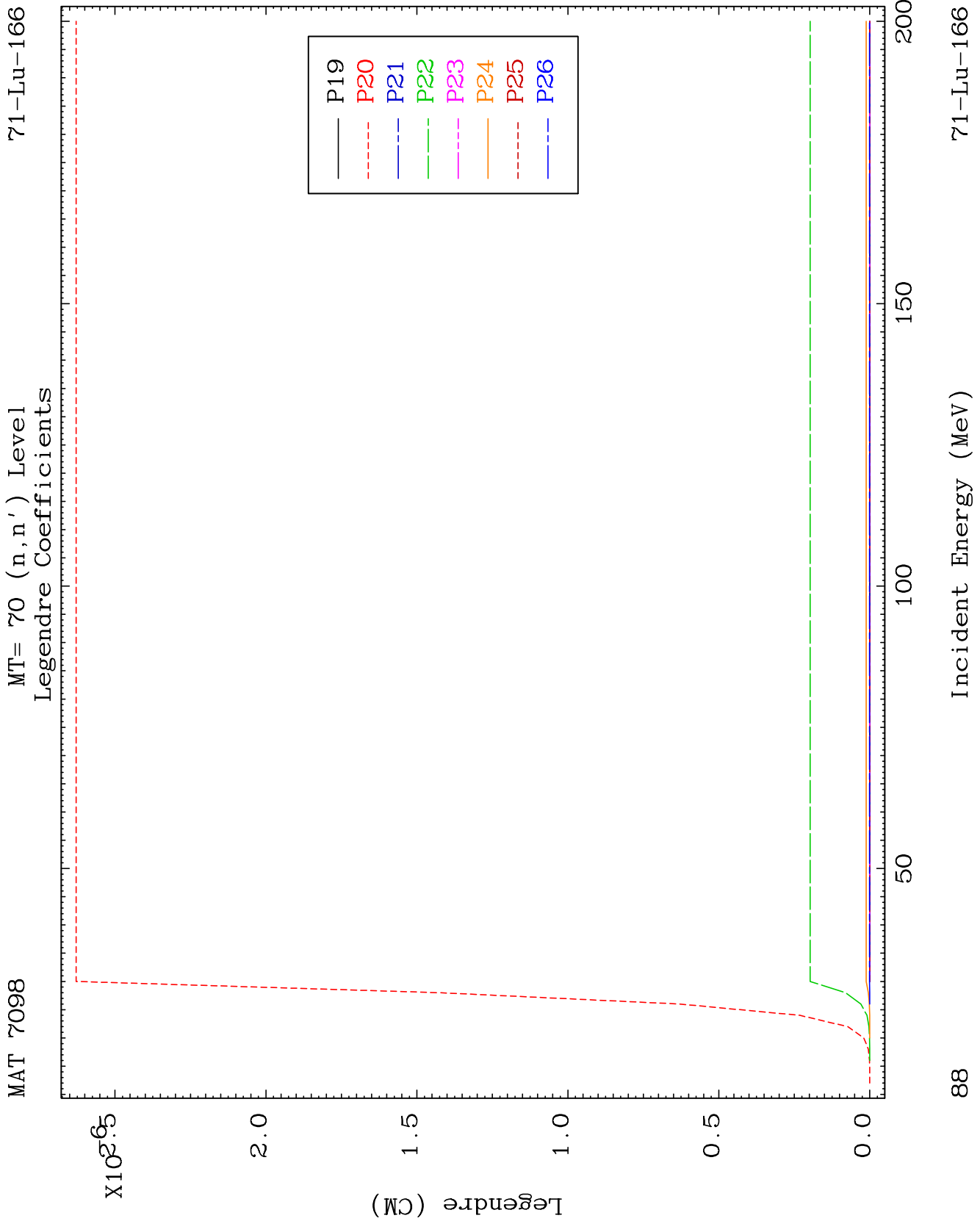
71-Lu-166

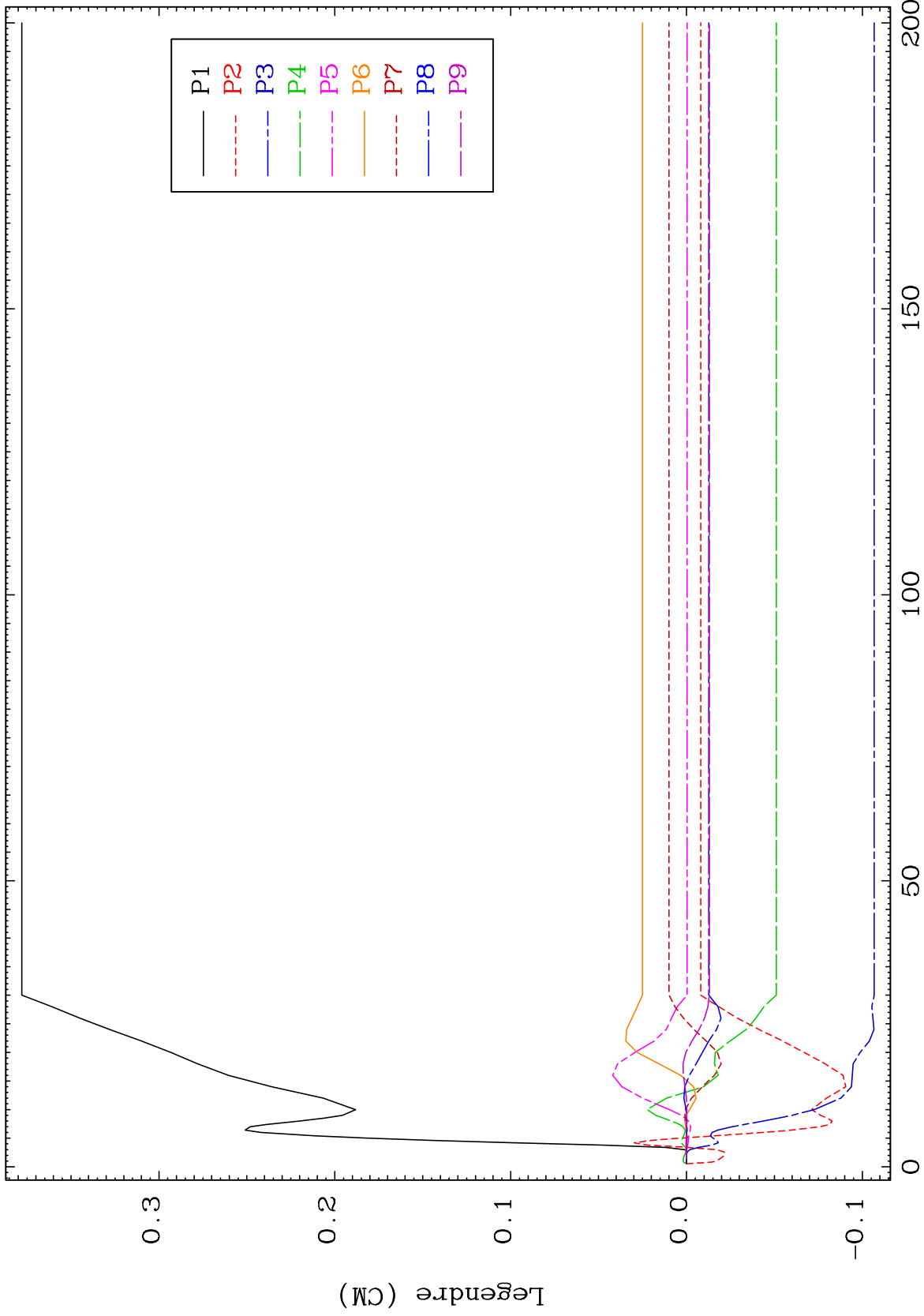


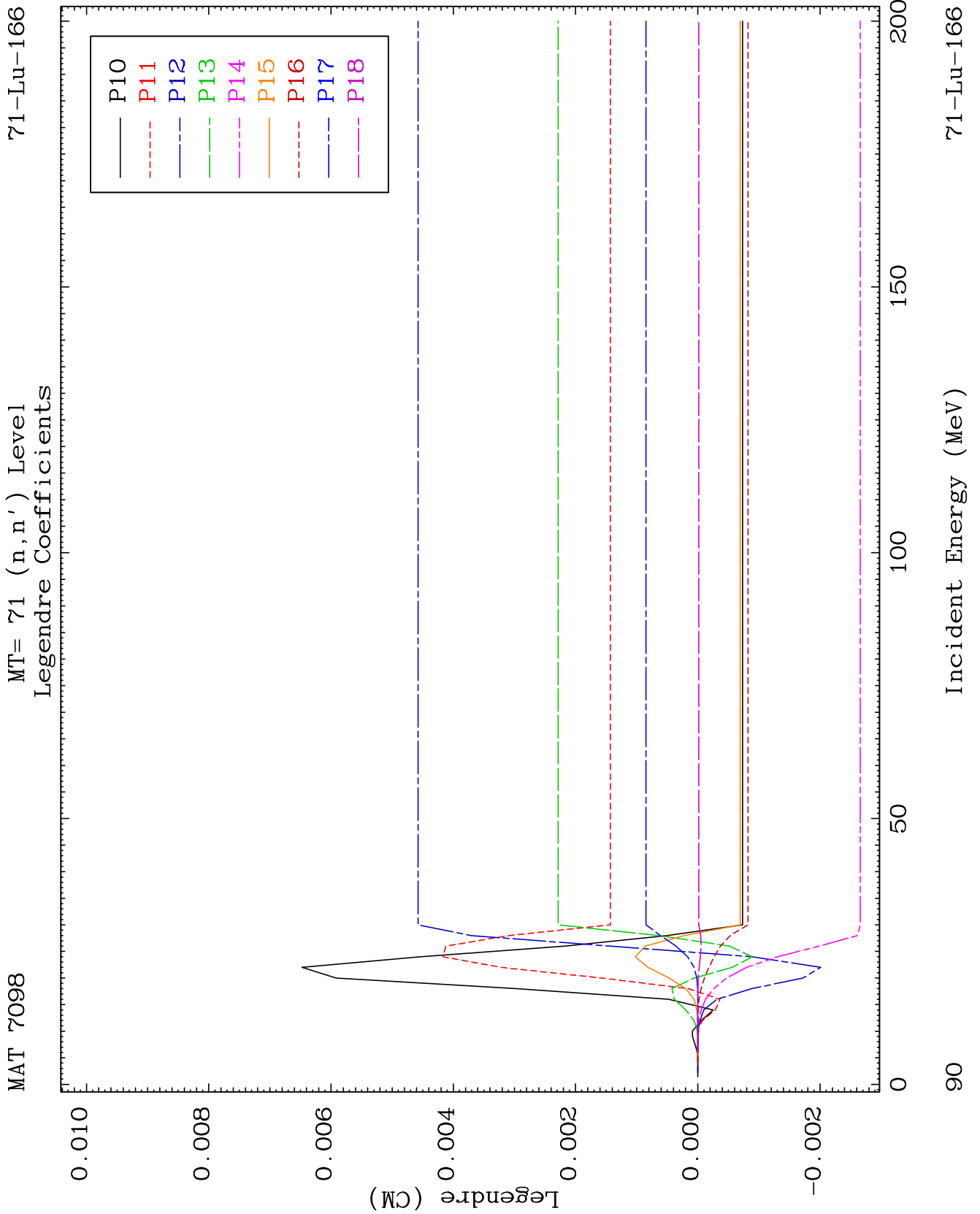
87

Incident Energy (MeV)

71-Lu-166



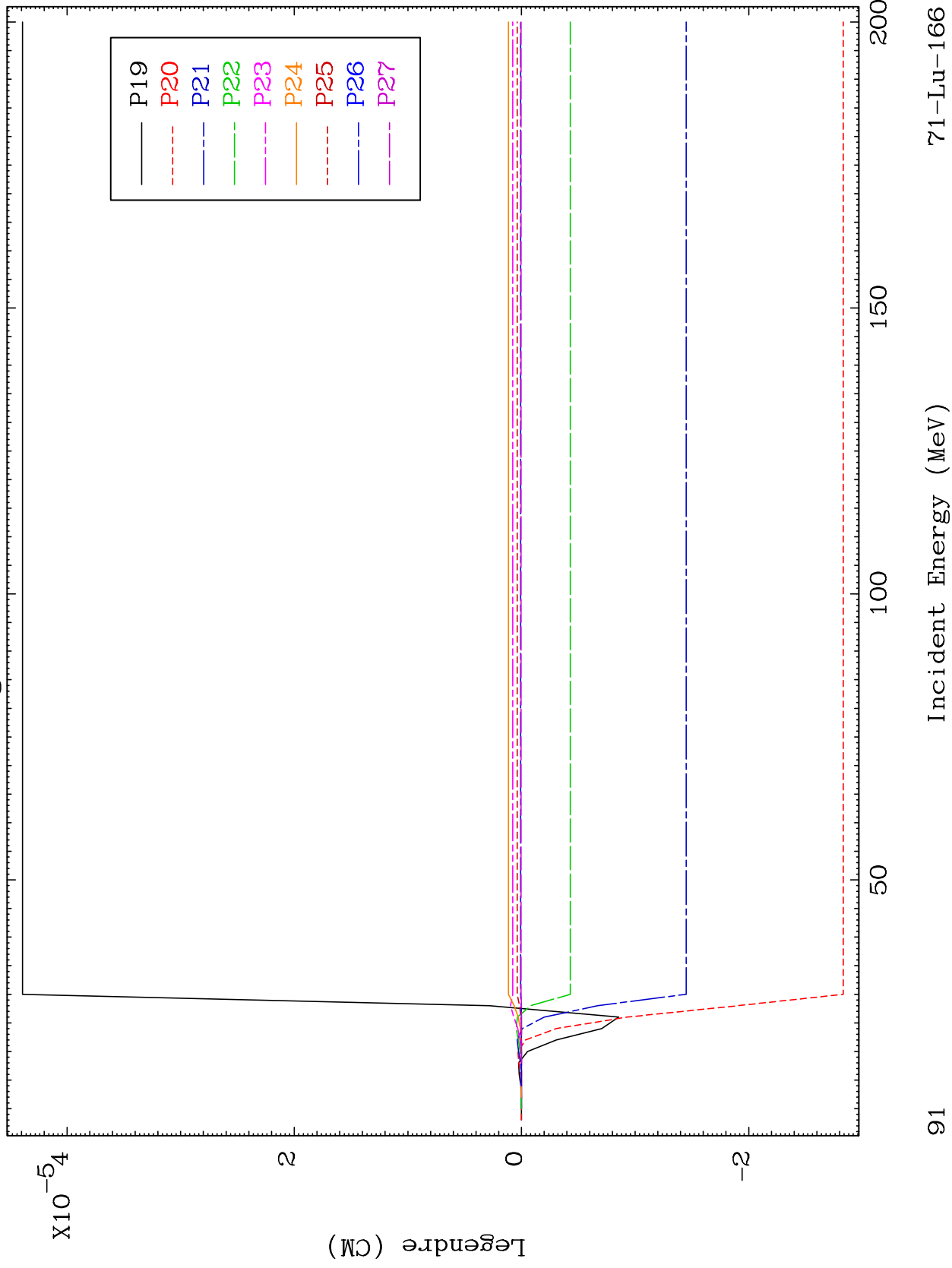




MAT 7098

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

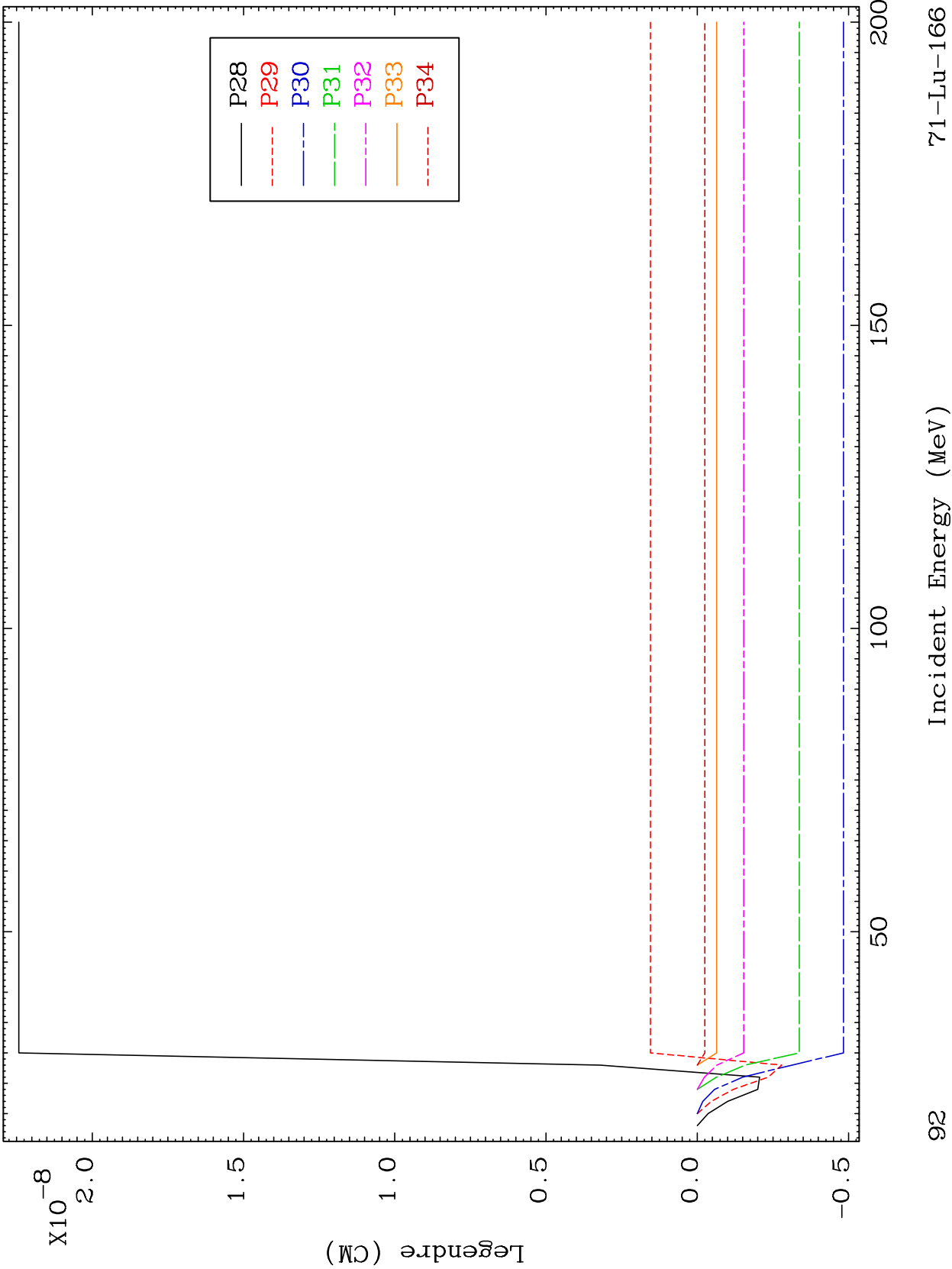
71-Lu-166



91

Incident Energy (MeV)

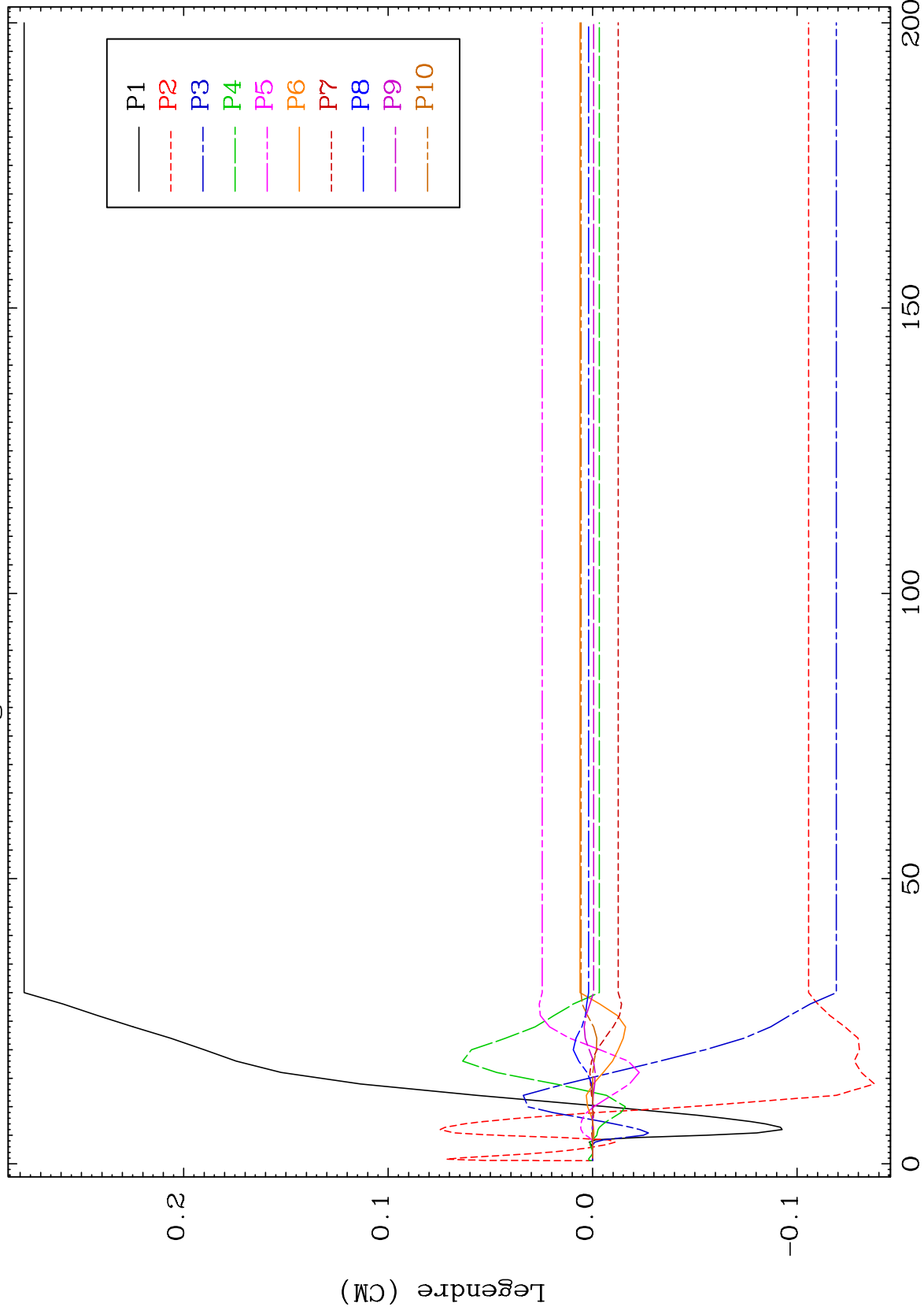
71-Lu-166



MAT 7098

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

71-Lu-166



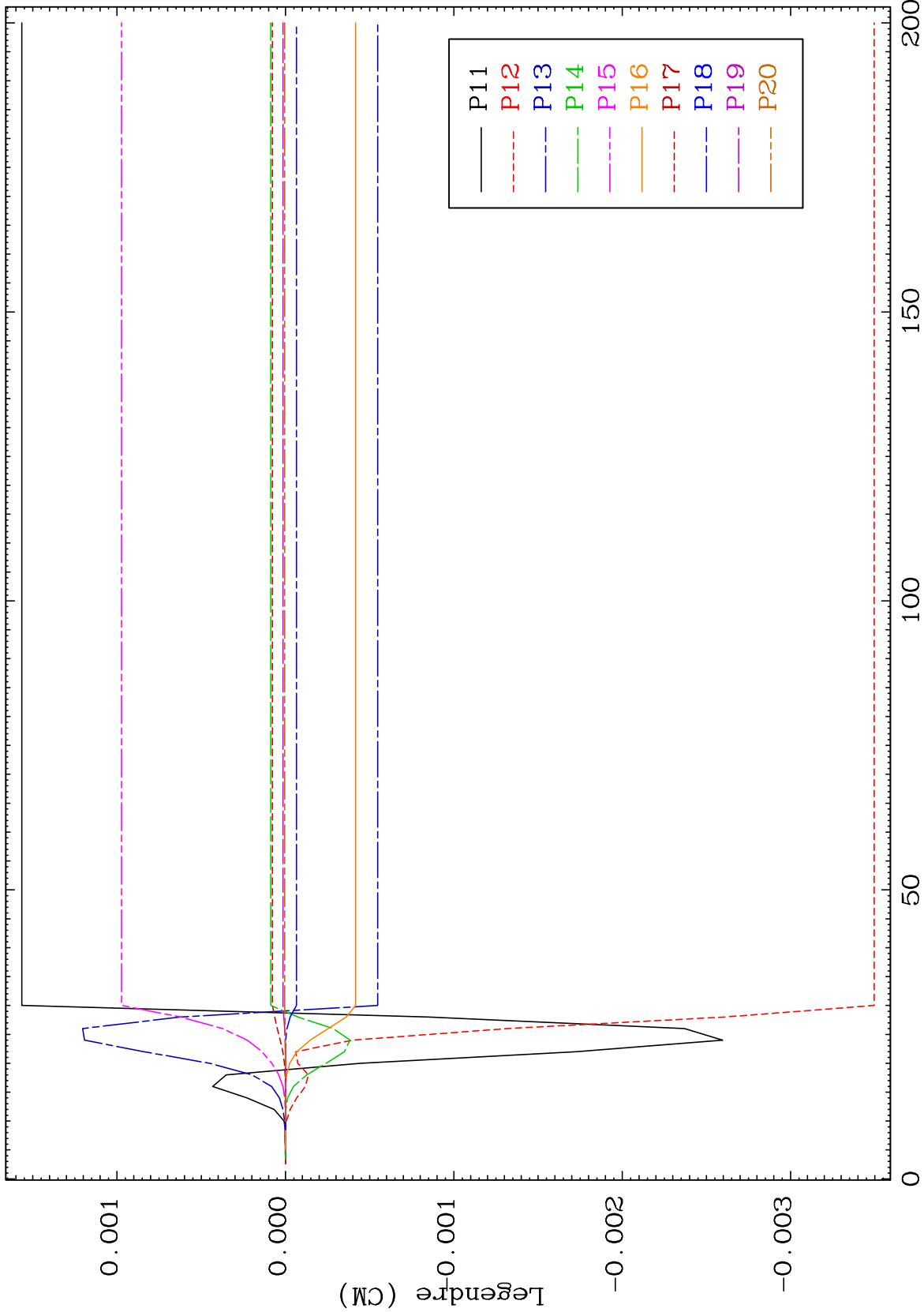
93

71-Lu-166

MAT 7098

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

71-Lu-166



94

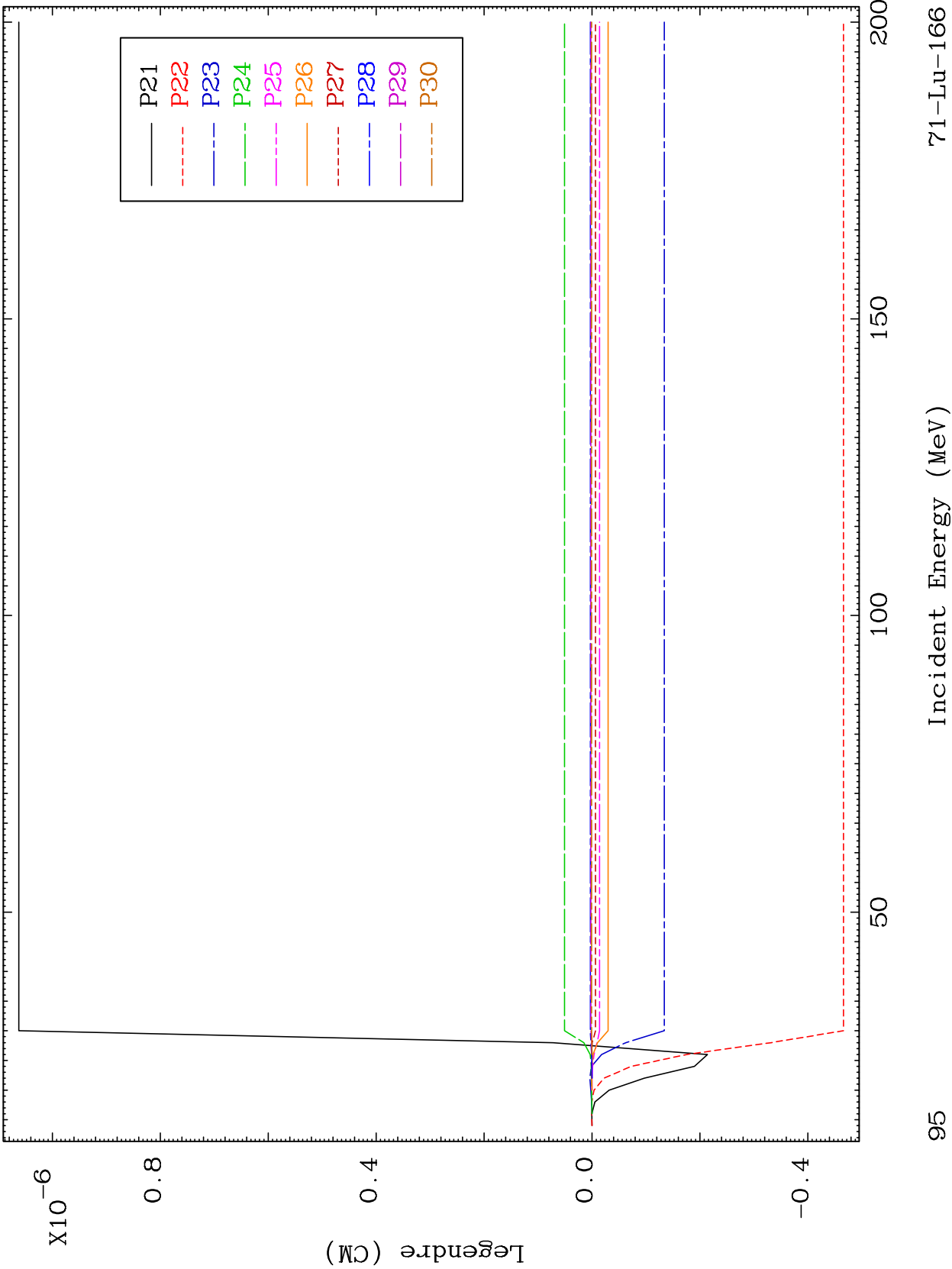
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

71-Lu-166



95

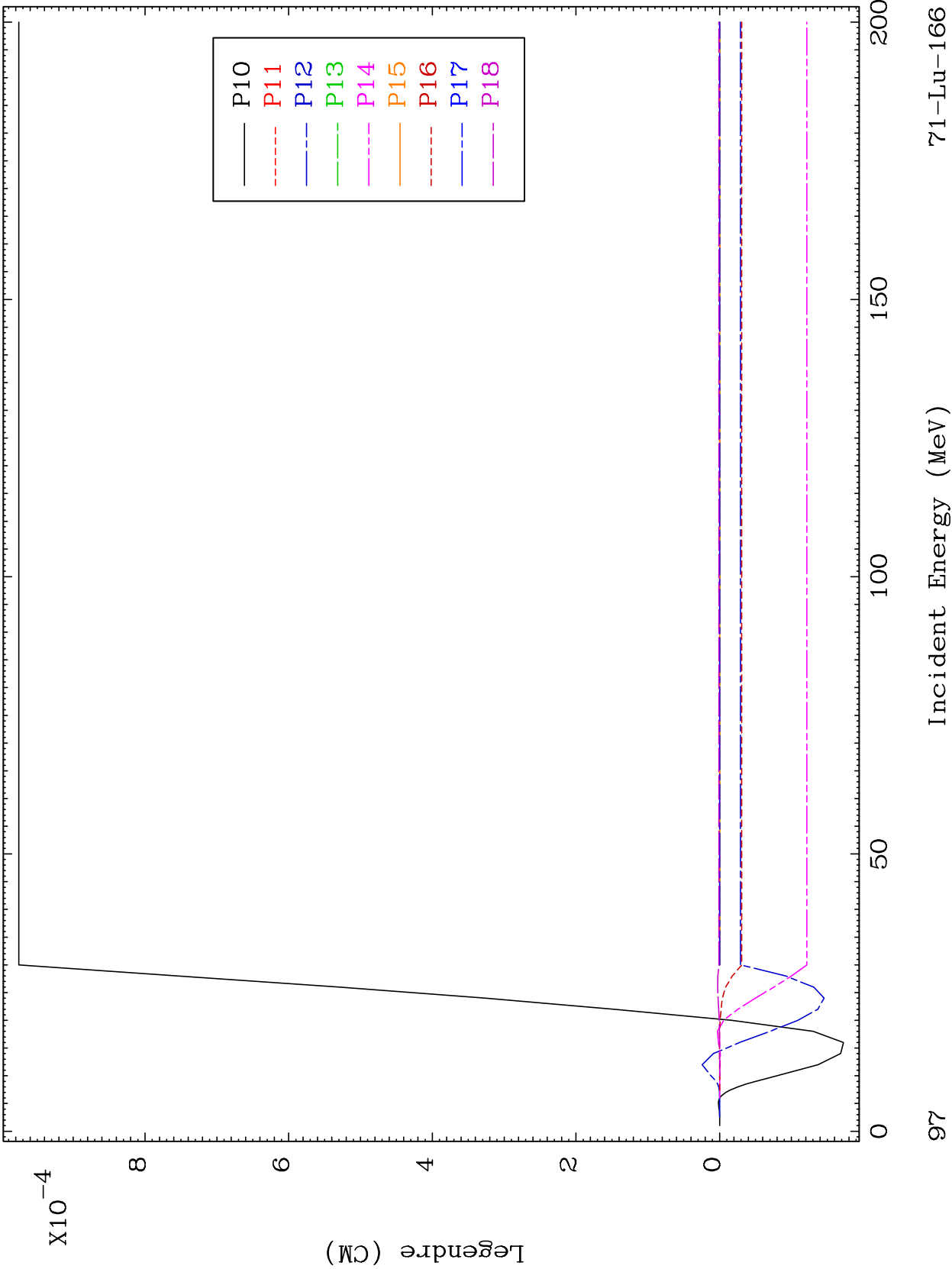
Incident Energy (MeV)

71-Lu-166

MAT 7098

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

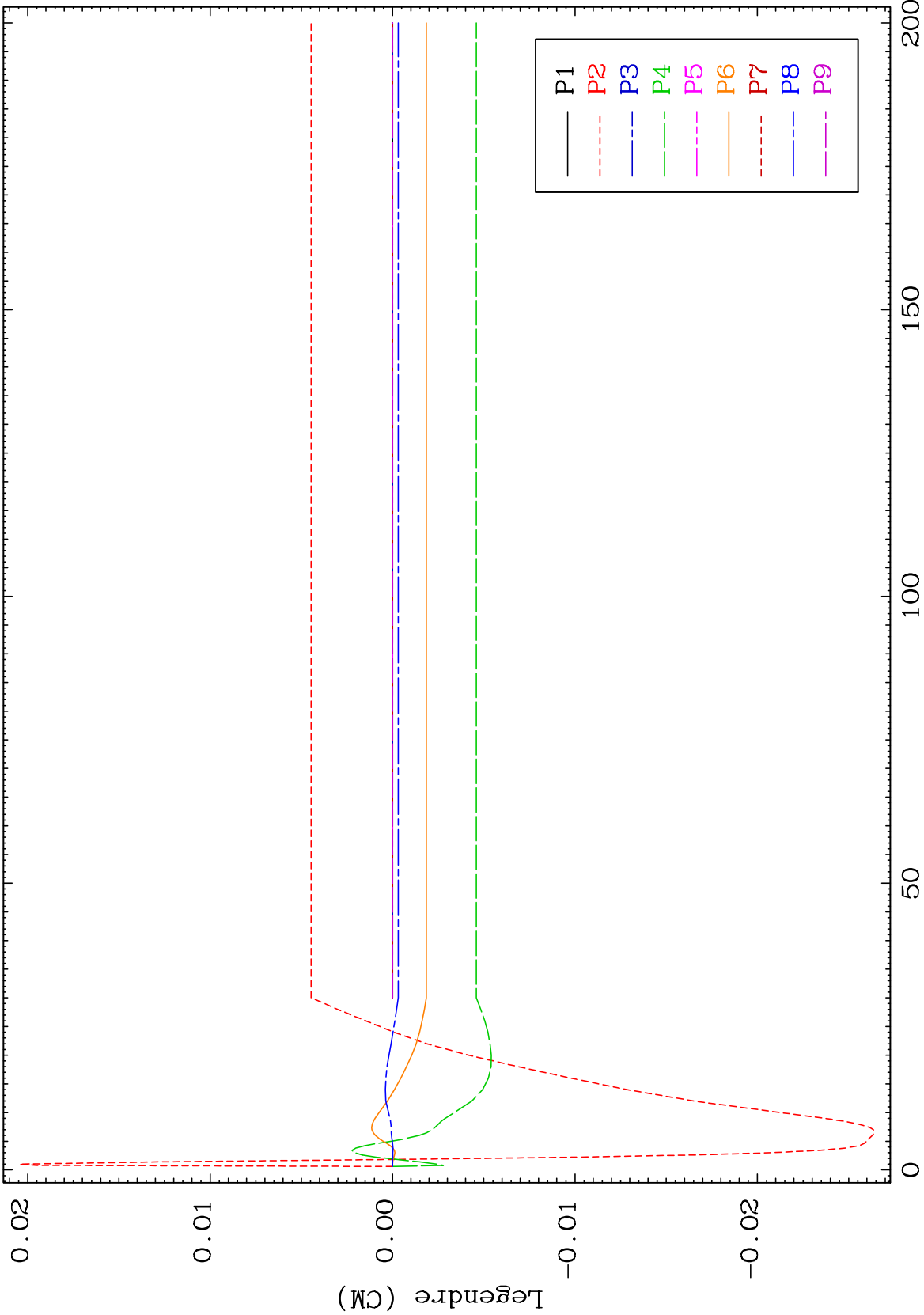
71-Lu-166



MAT 7098

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

71-Lu-166



99

Incident Energy (MeV)

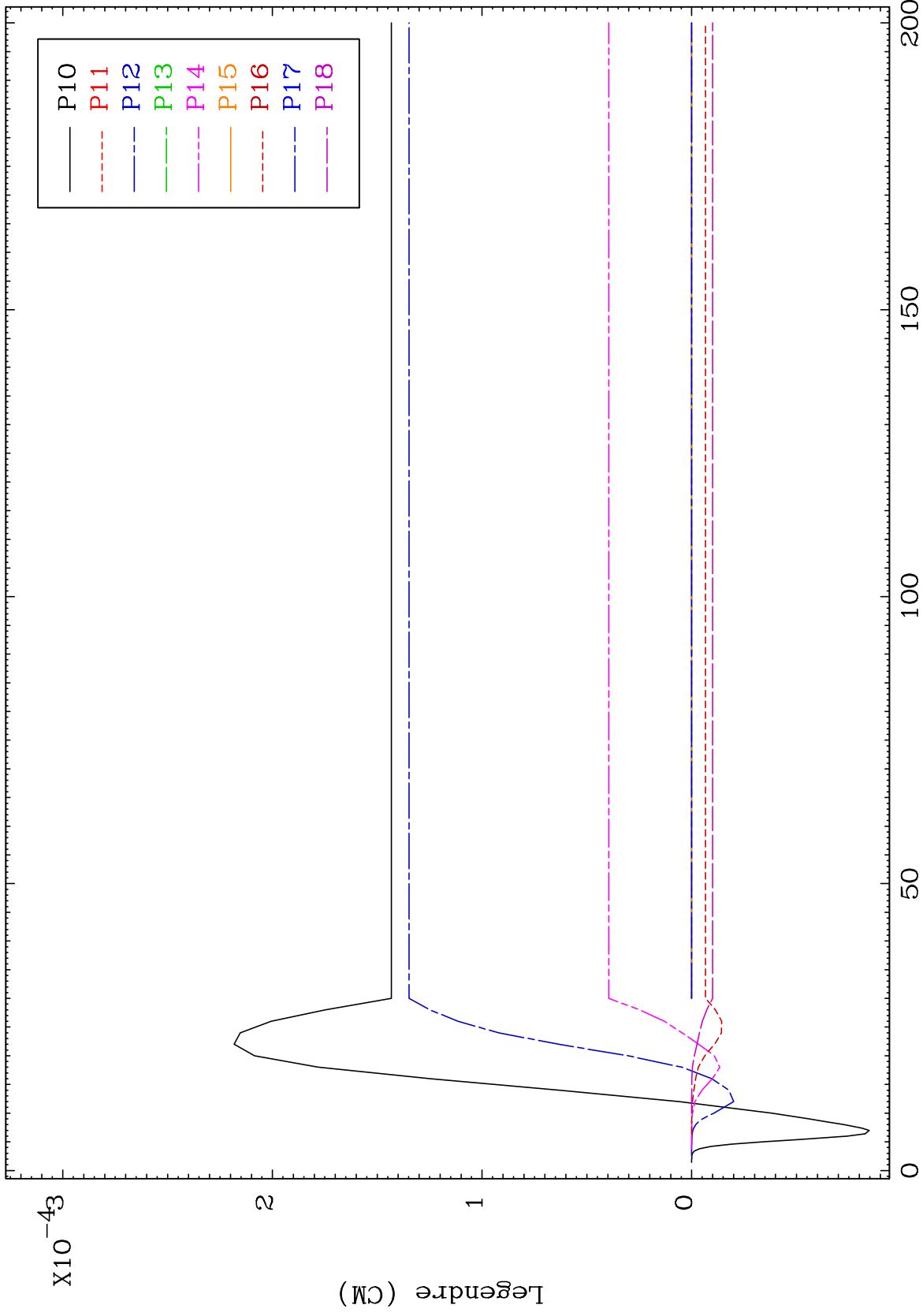
71-Lu-166

MAT 7098

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

71-Lu-166

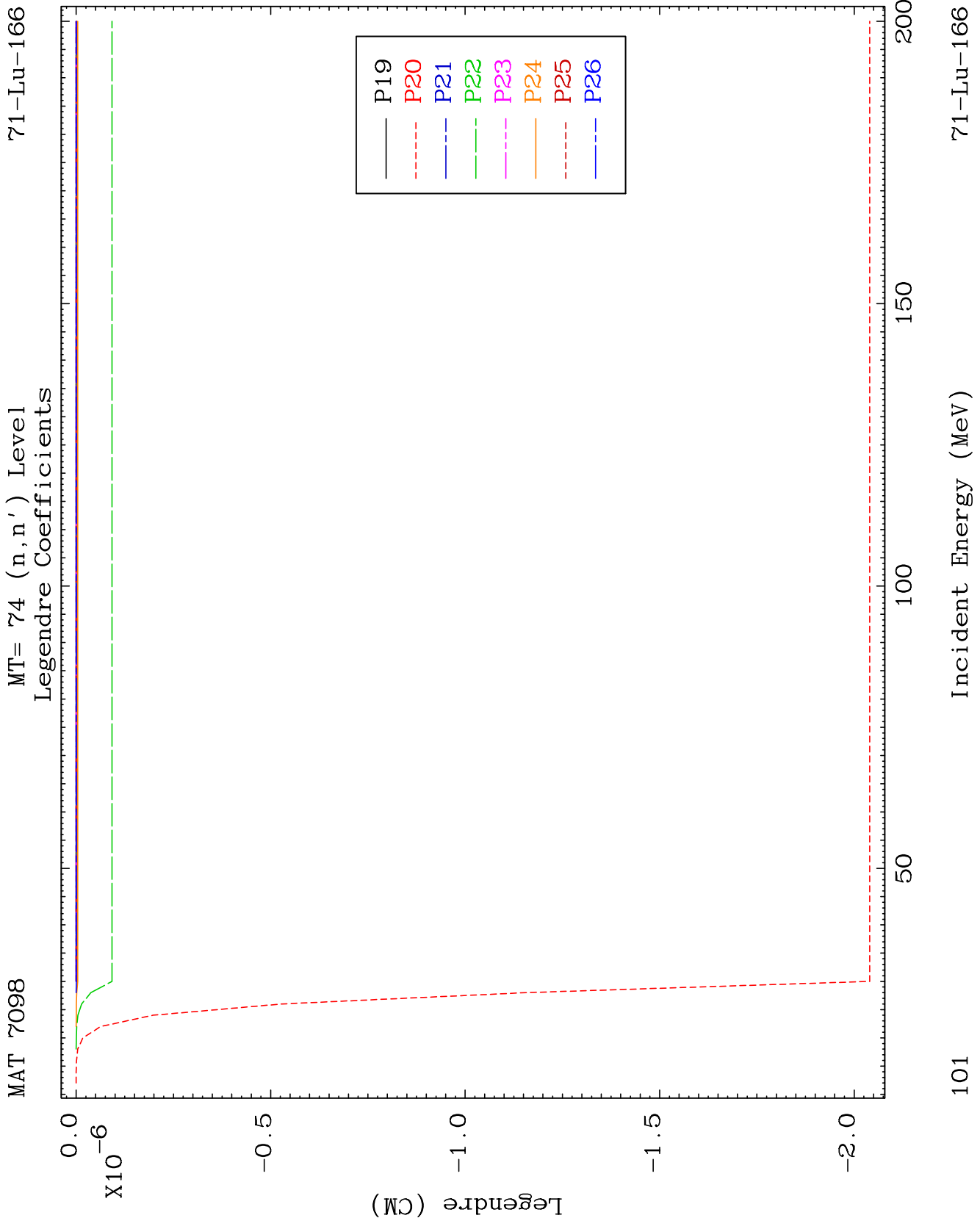
$\times 10^{-43}$



71-Lu-166

Incident Energy (MeV)

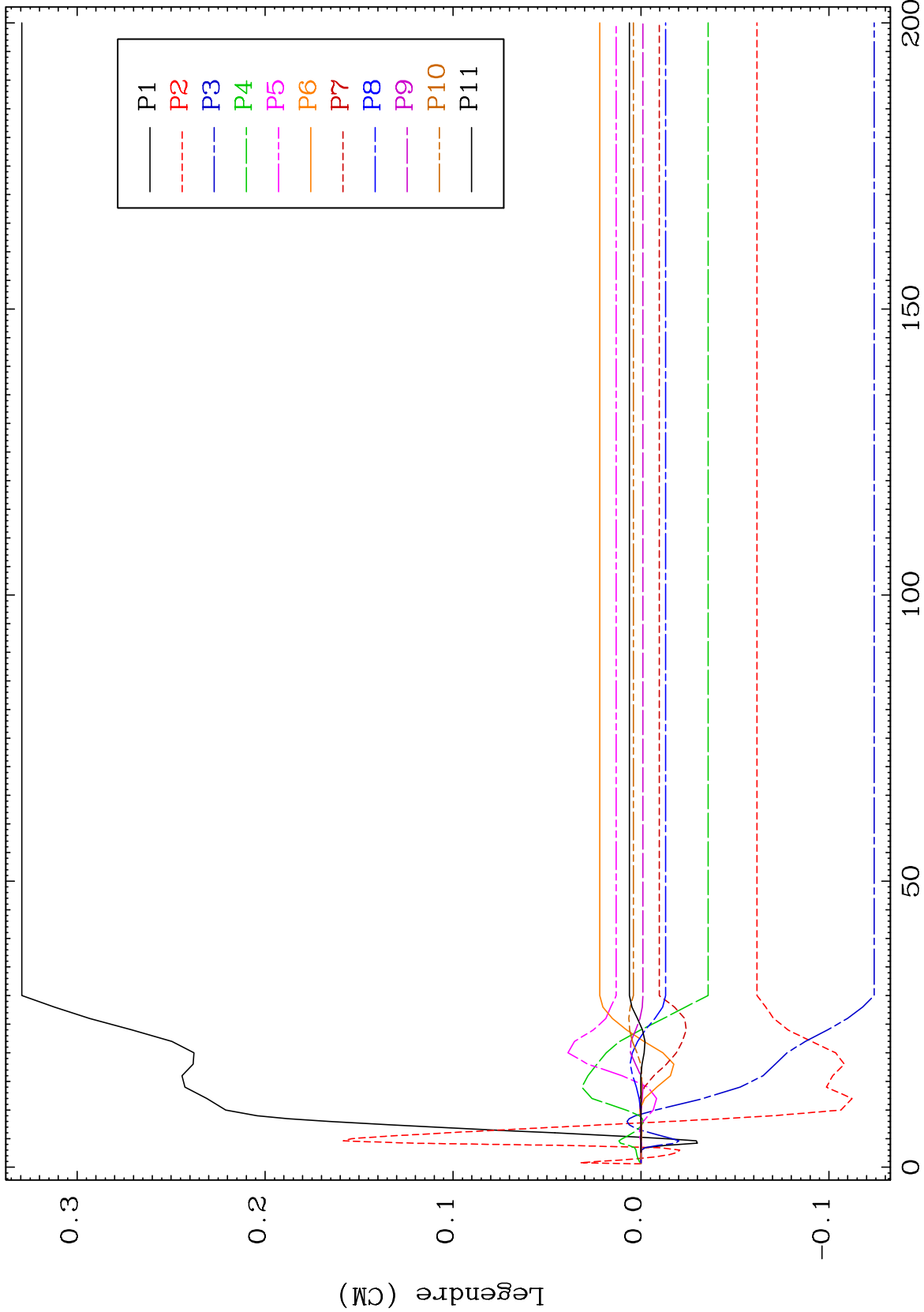
100



MAT 7098

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

71-Lu-166



71-Lu-166

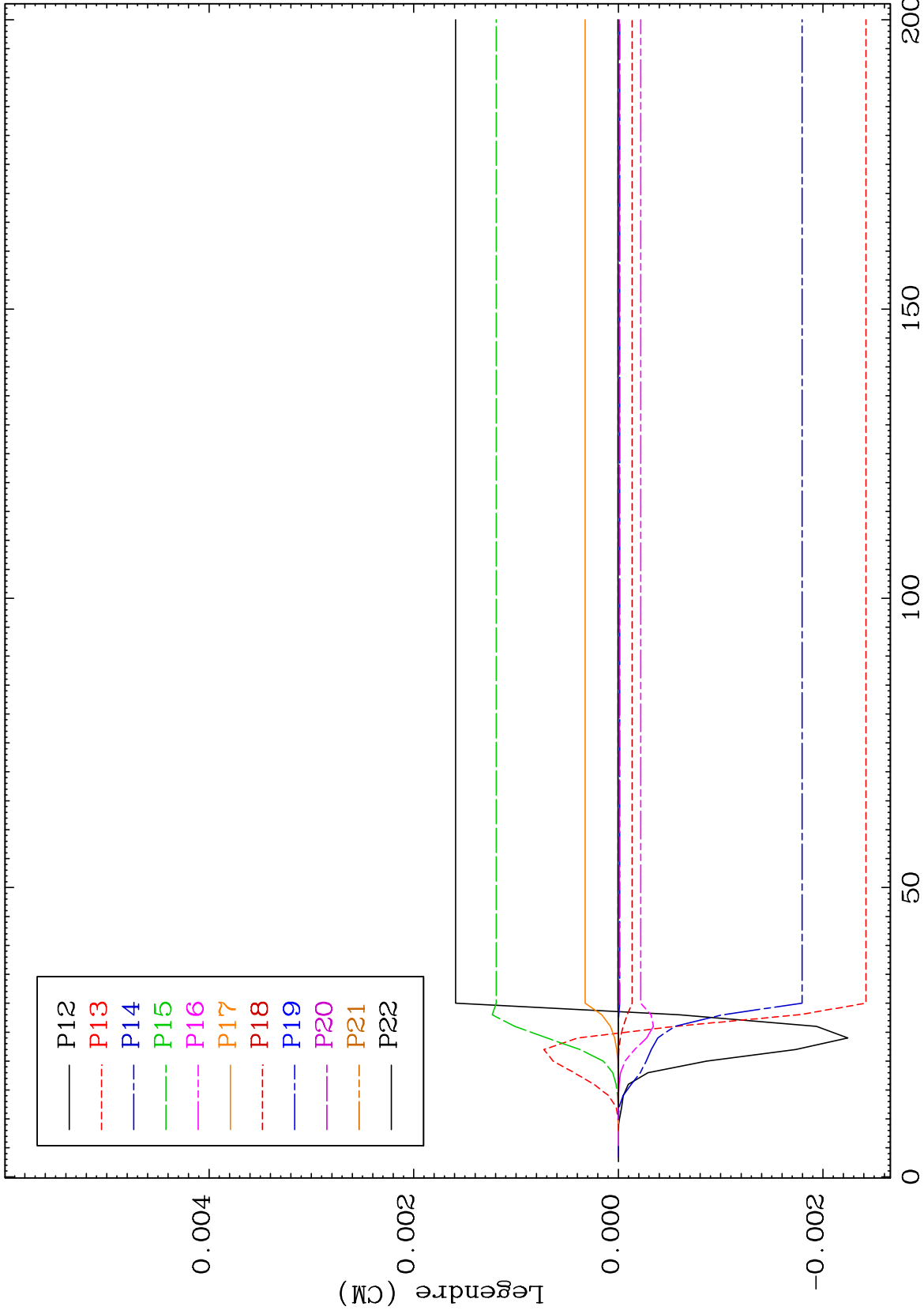
Incident Energy (MeV)

102

MAT 7098

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

71-Lu-166



103

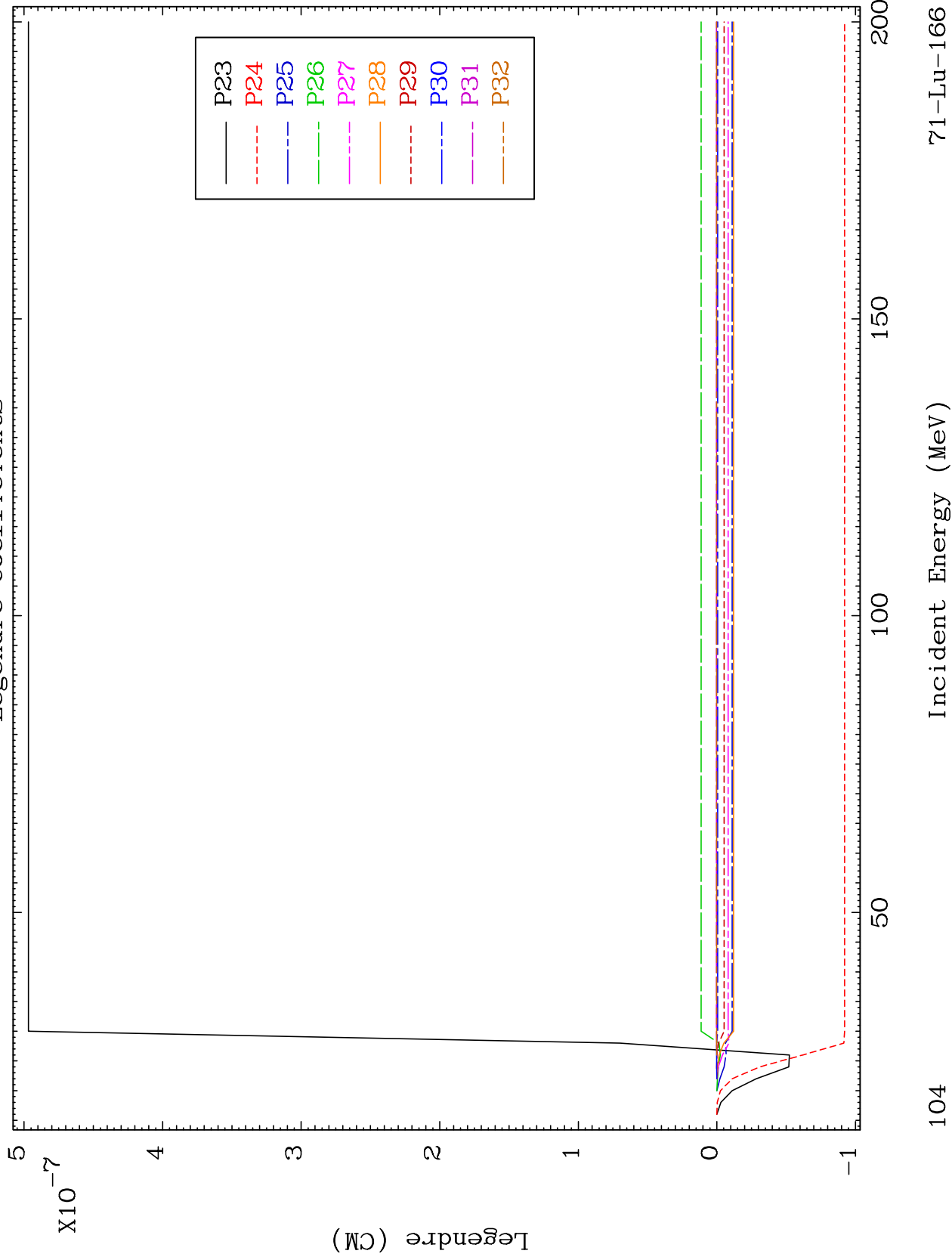
Incident Energy (MeV)

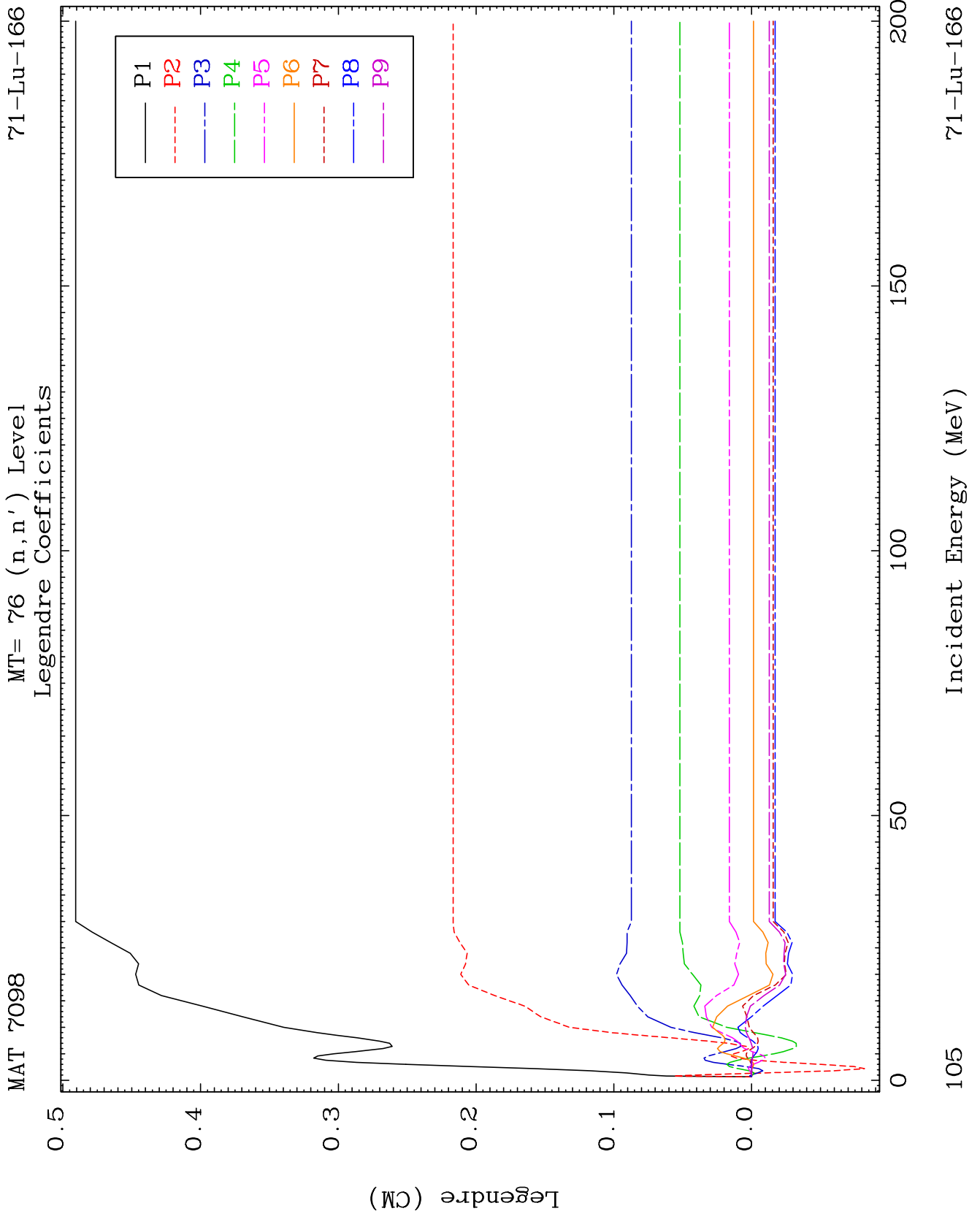
71-Lu-166

MAT 7098

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

71-Lu-166

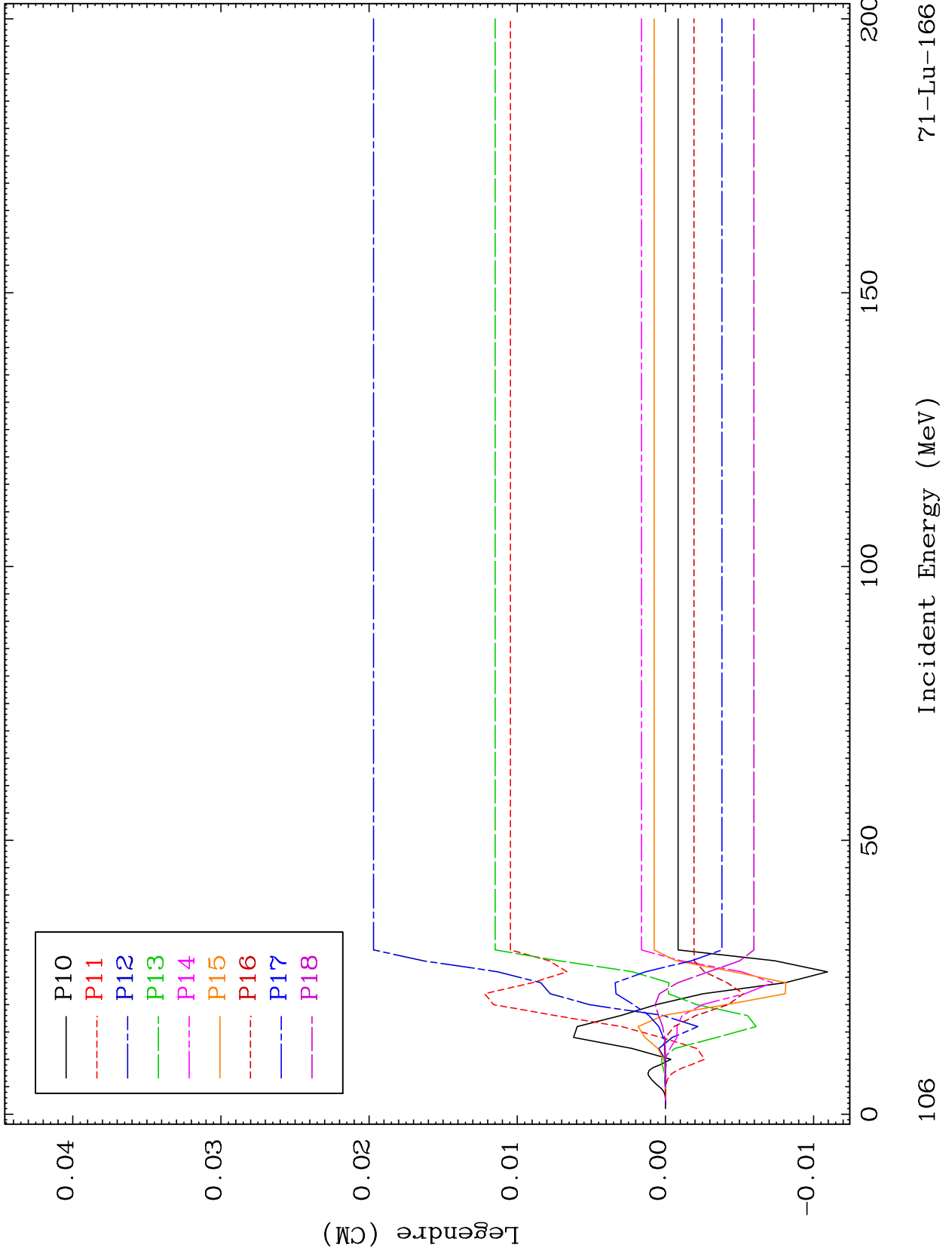




MAT 7098

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

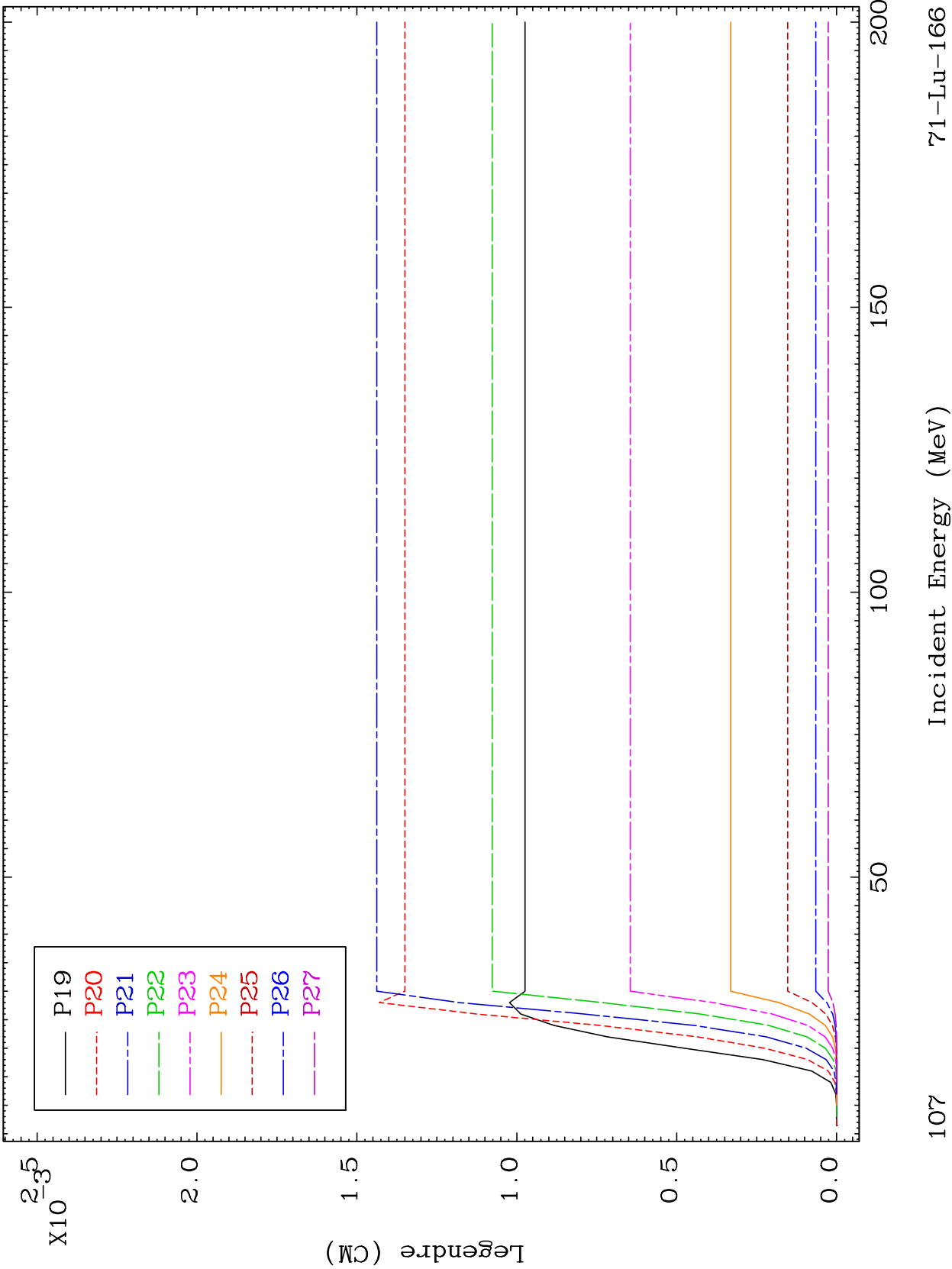
71-Lu-166



106

Incident Energy (MeV)

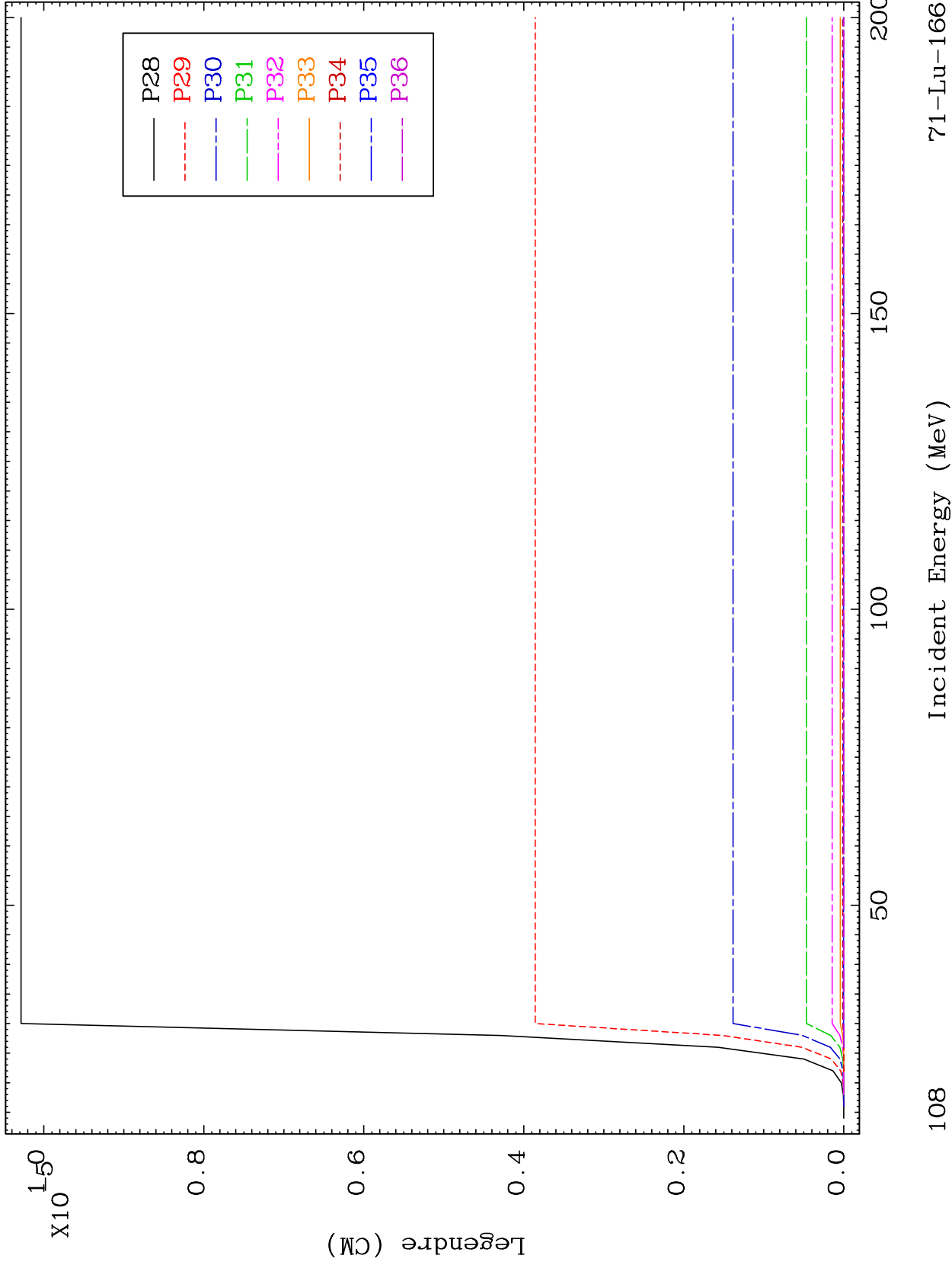
71-Lu-166



MAT 7098

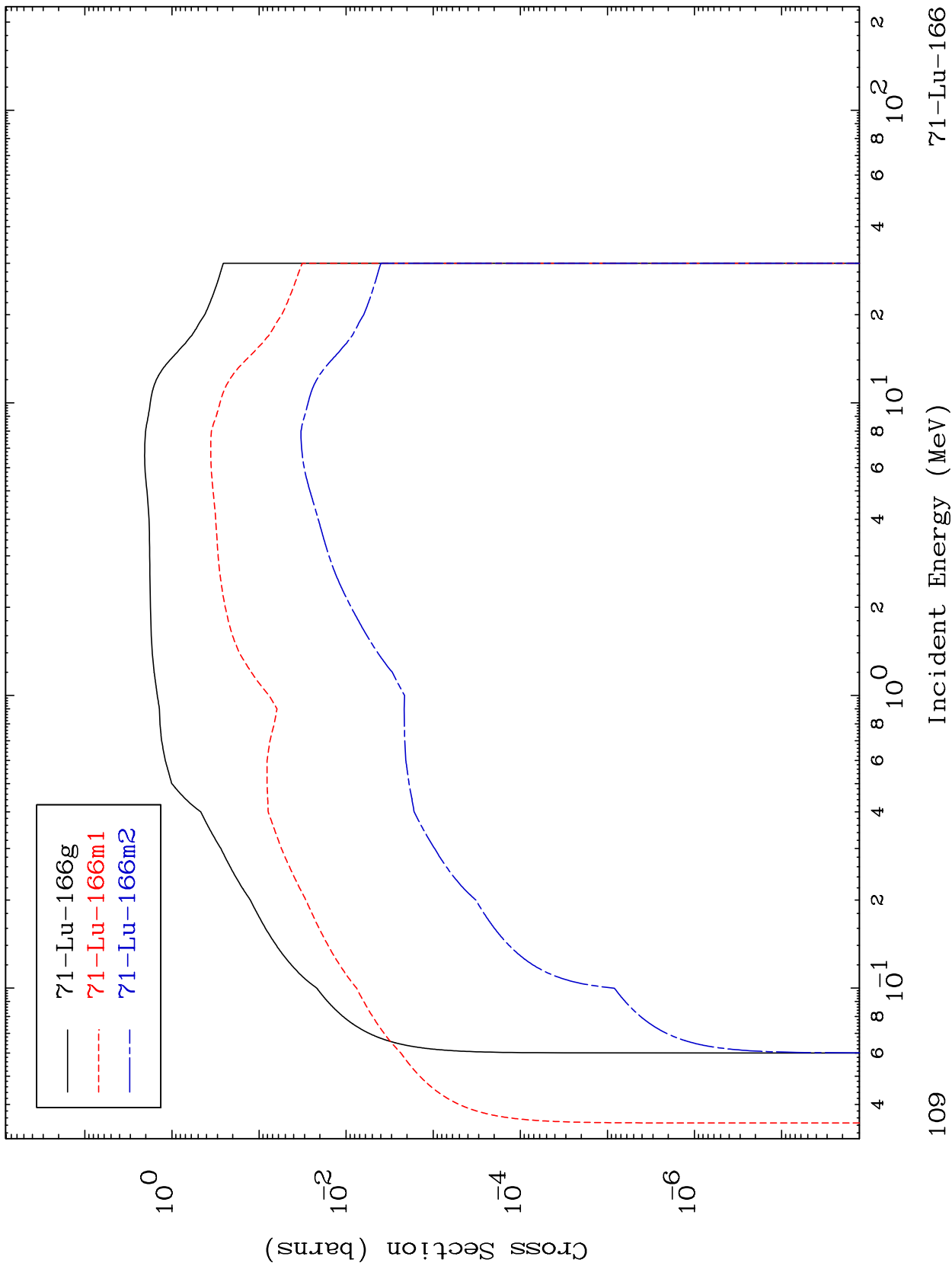
MT= 76 (n,n') Level
Legendre Coefficients

71-Lu-166



108

Radionuclide Production Cross Section

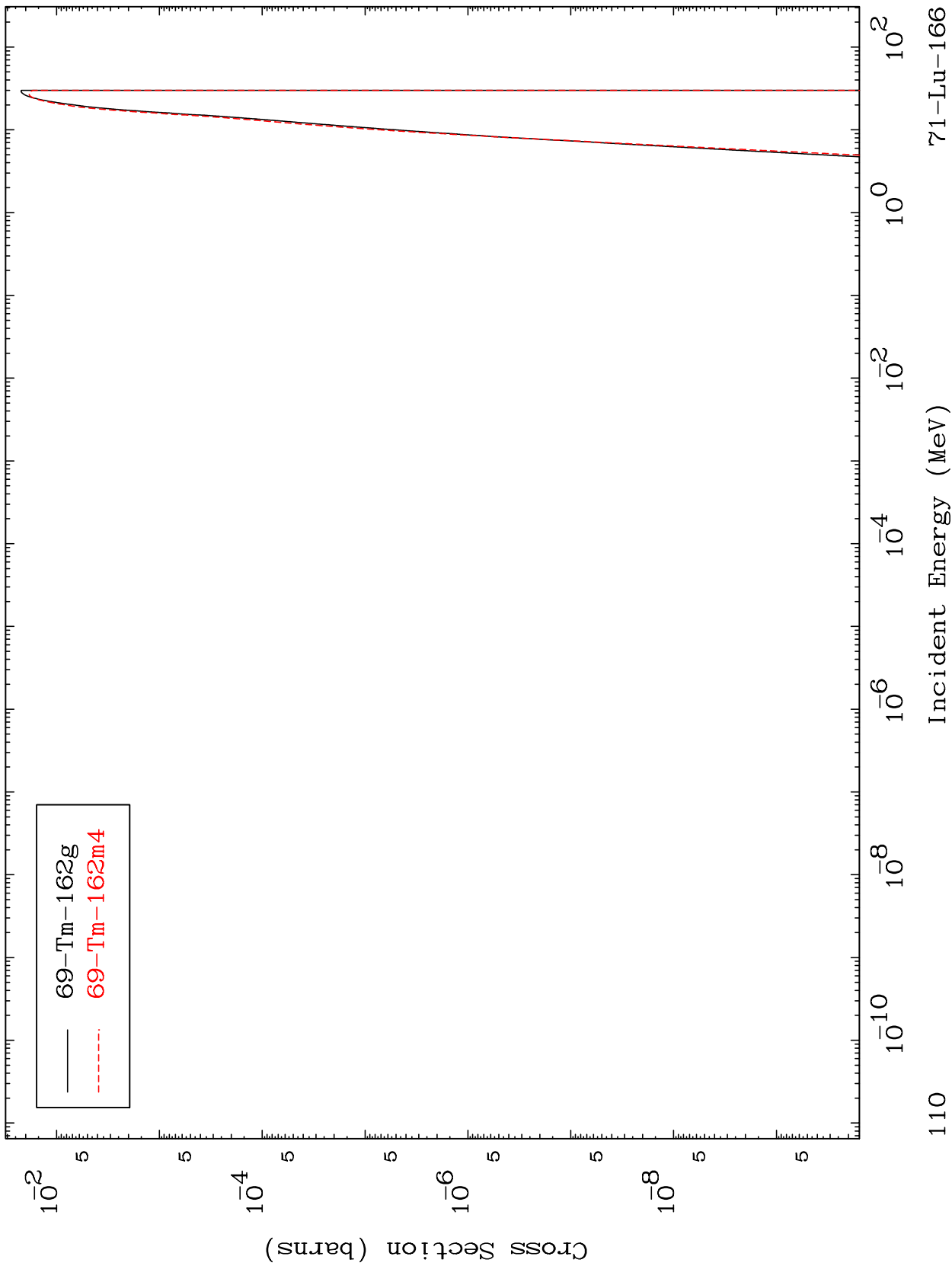


MAT 7098

$(n, n') \alpha$

$^{71}\text{Lu-166}$

Radionuclide Production Cross Section

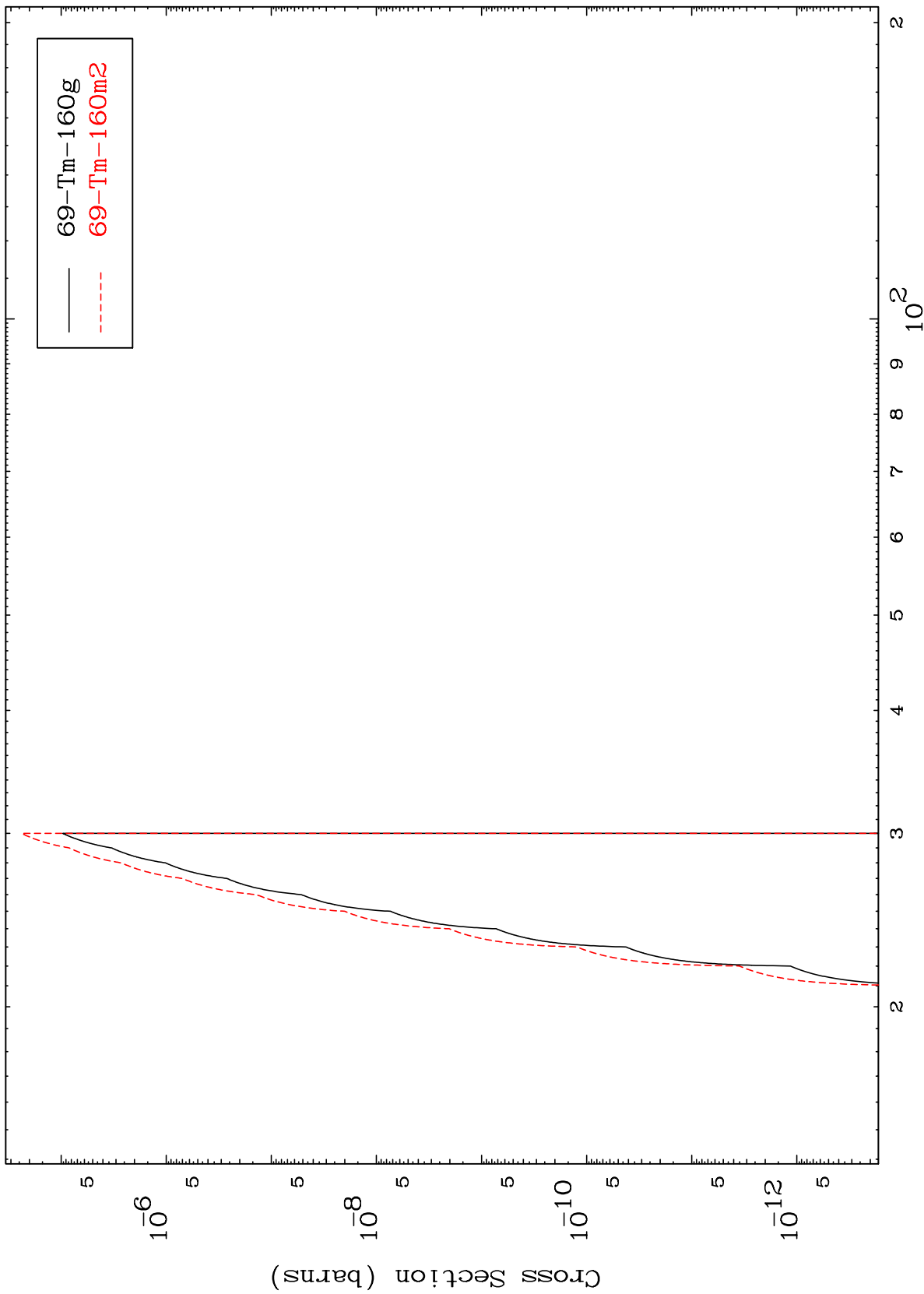


110

Incident Energy (MeV)

$^{71}\text{Lu-166}$

Radionuclide Production Cross Section

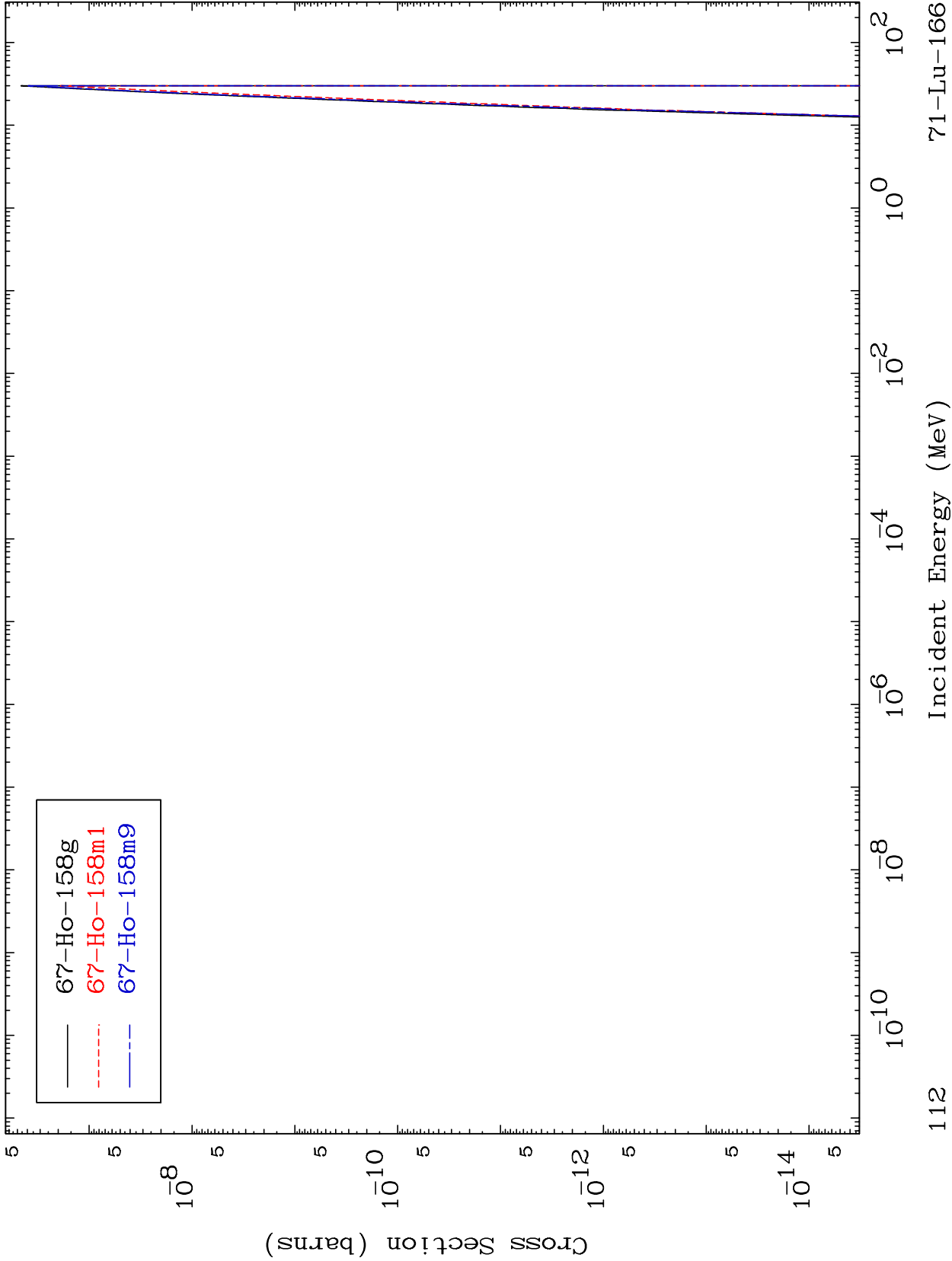


MAT 7098

(n,n') 2α

71-Lu-166

Radionuclide Production Cross Section



112

Incident Energy (MeV)

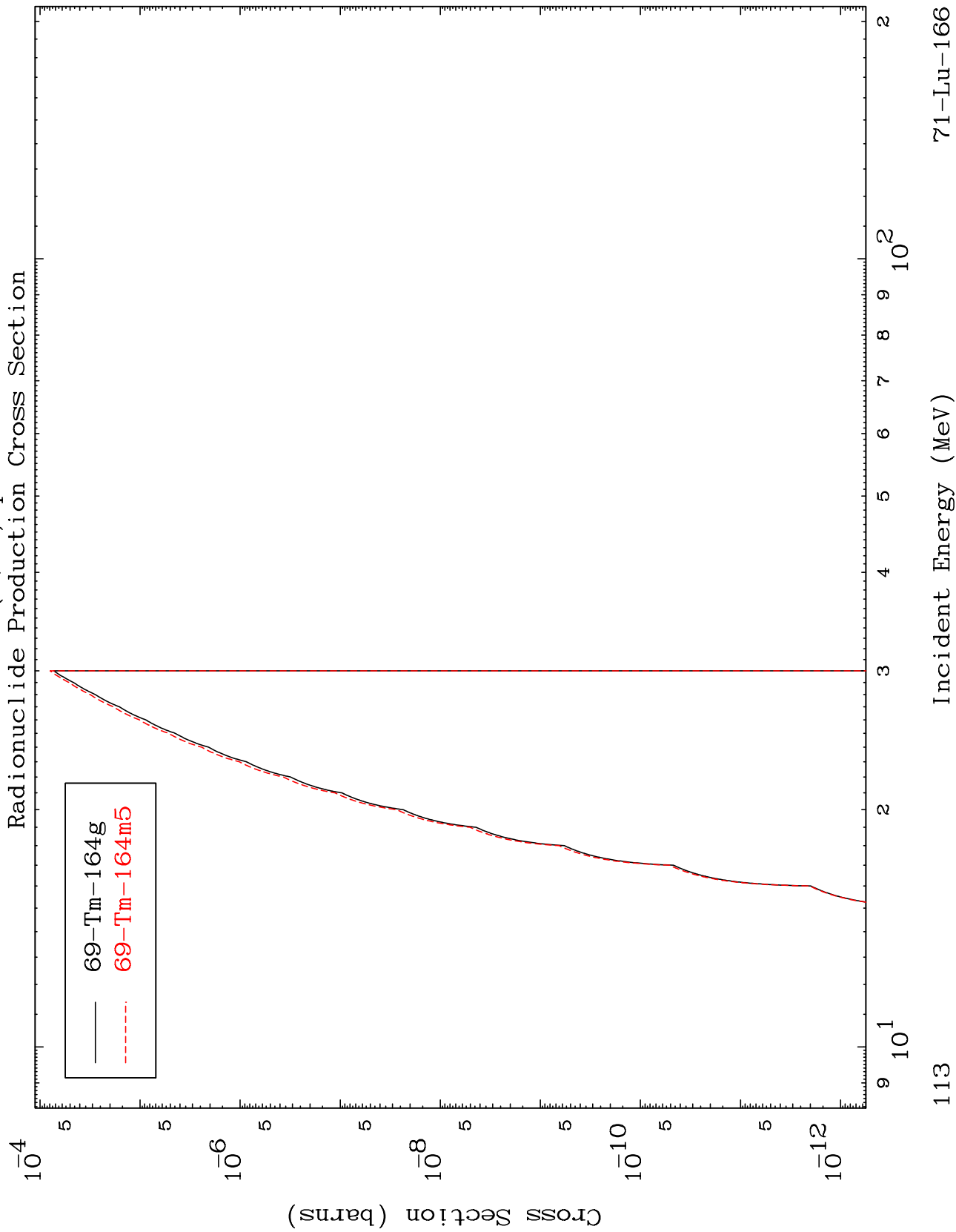
71-Lu-166

MAT 7098

(n,2n) p

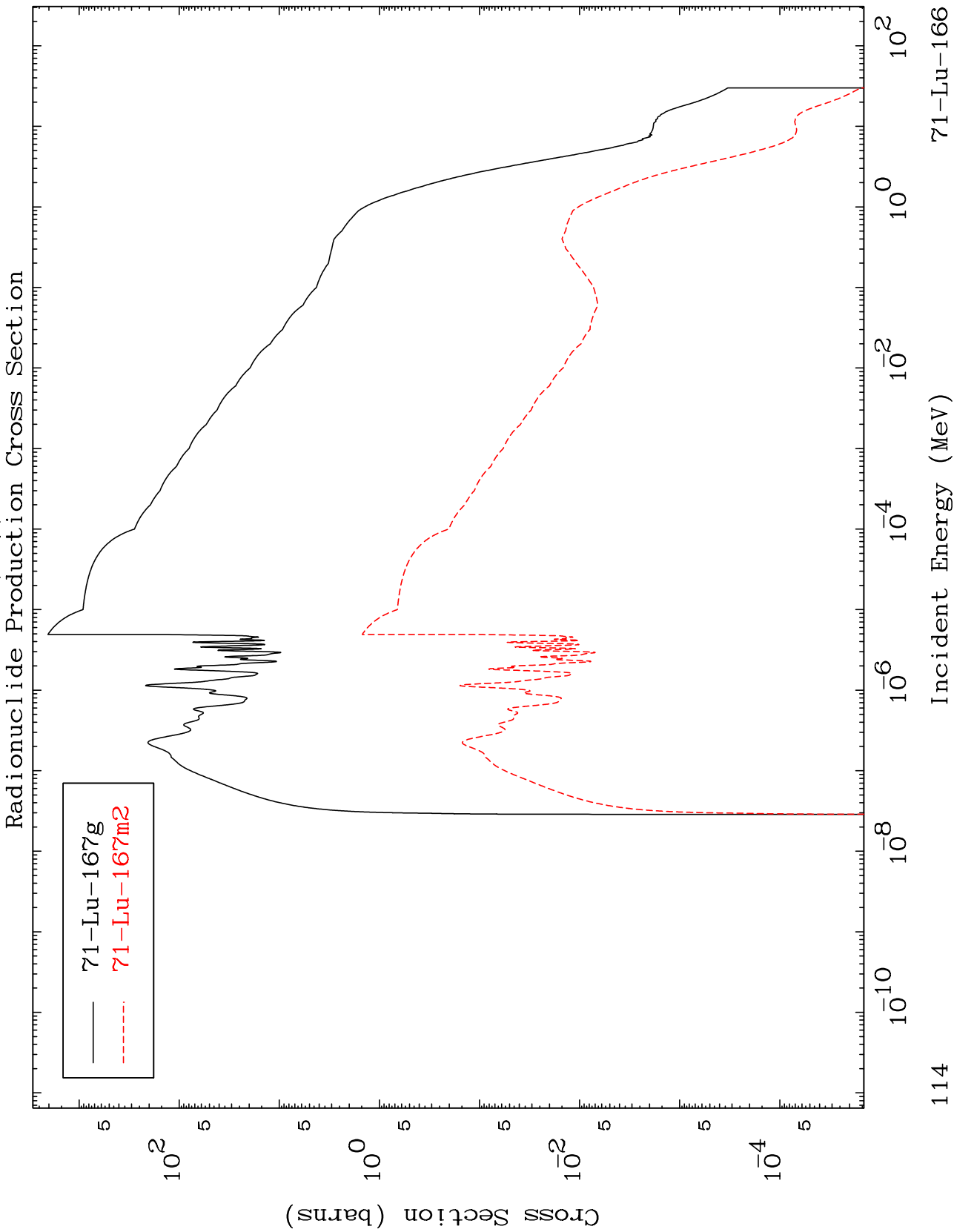
71-Lu-166

Radionuclide Production Cross Section



113

71-Lu-166

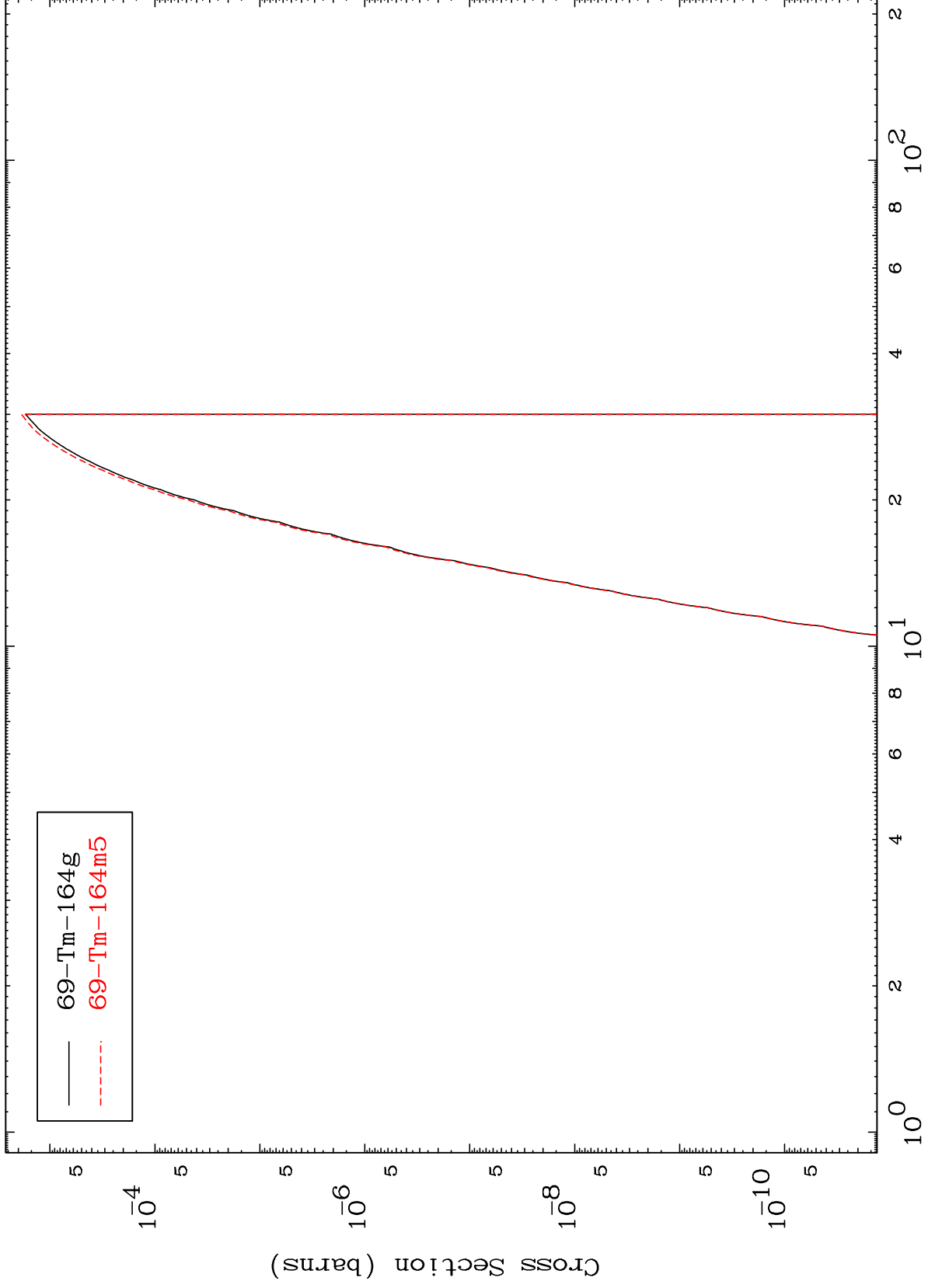


MAT 7098

(n,He-3)

71-Lu-166

Radionuclide Production Cross Section



115

Incident Energy (MeV)

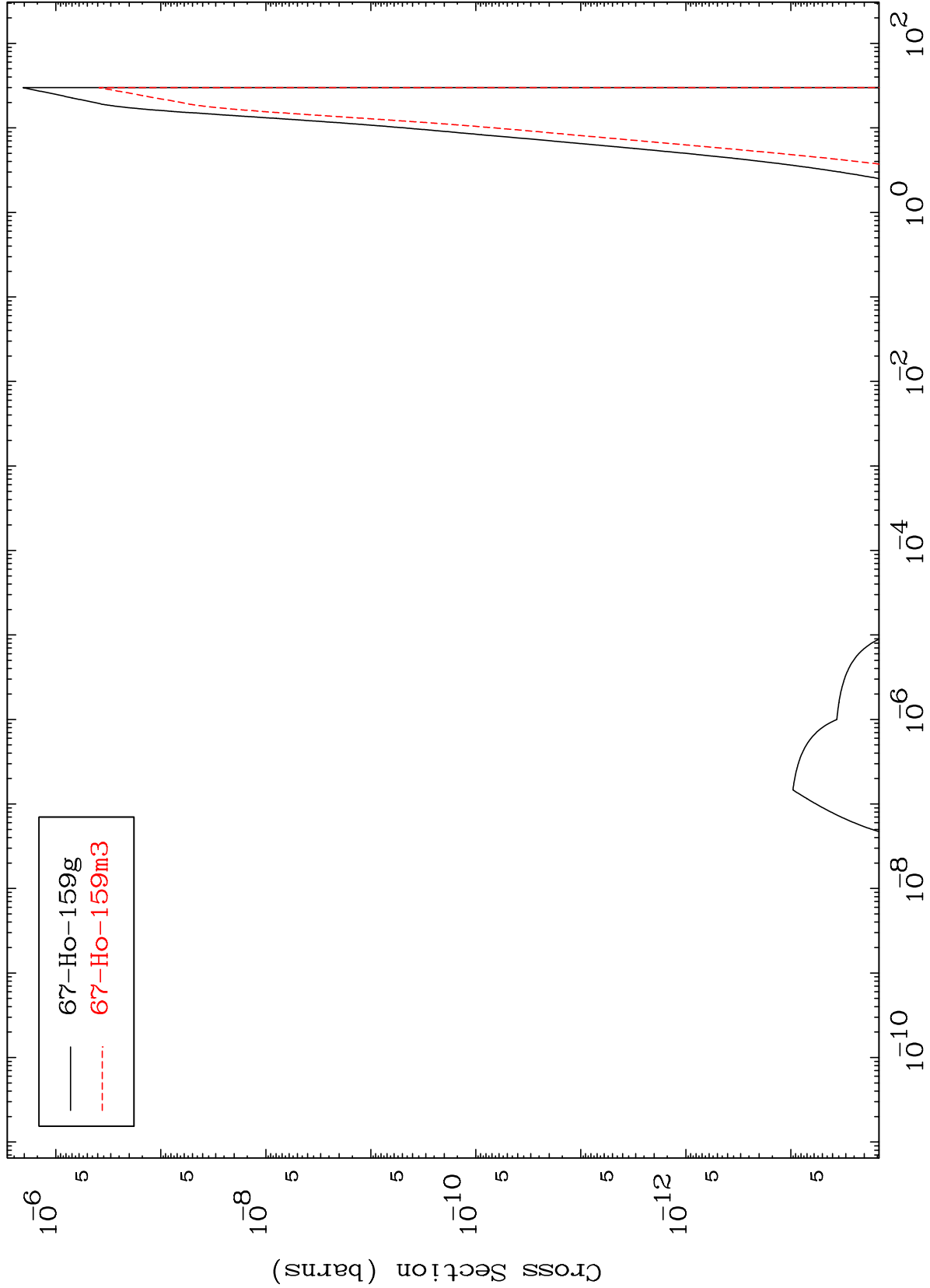
71-Lu-166

MAT 7098

(n,2α)

71-Lu-166

Radionuclide Production Cross Section

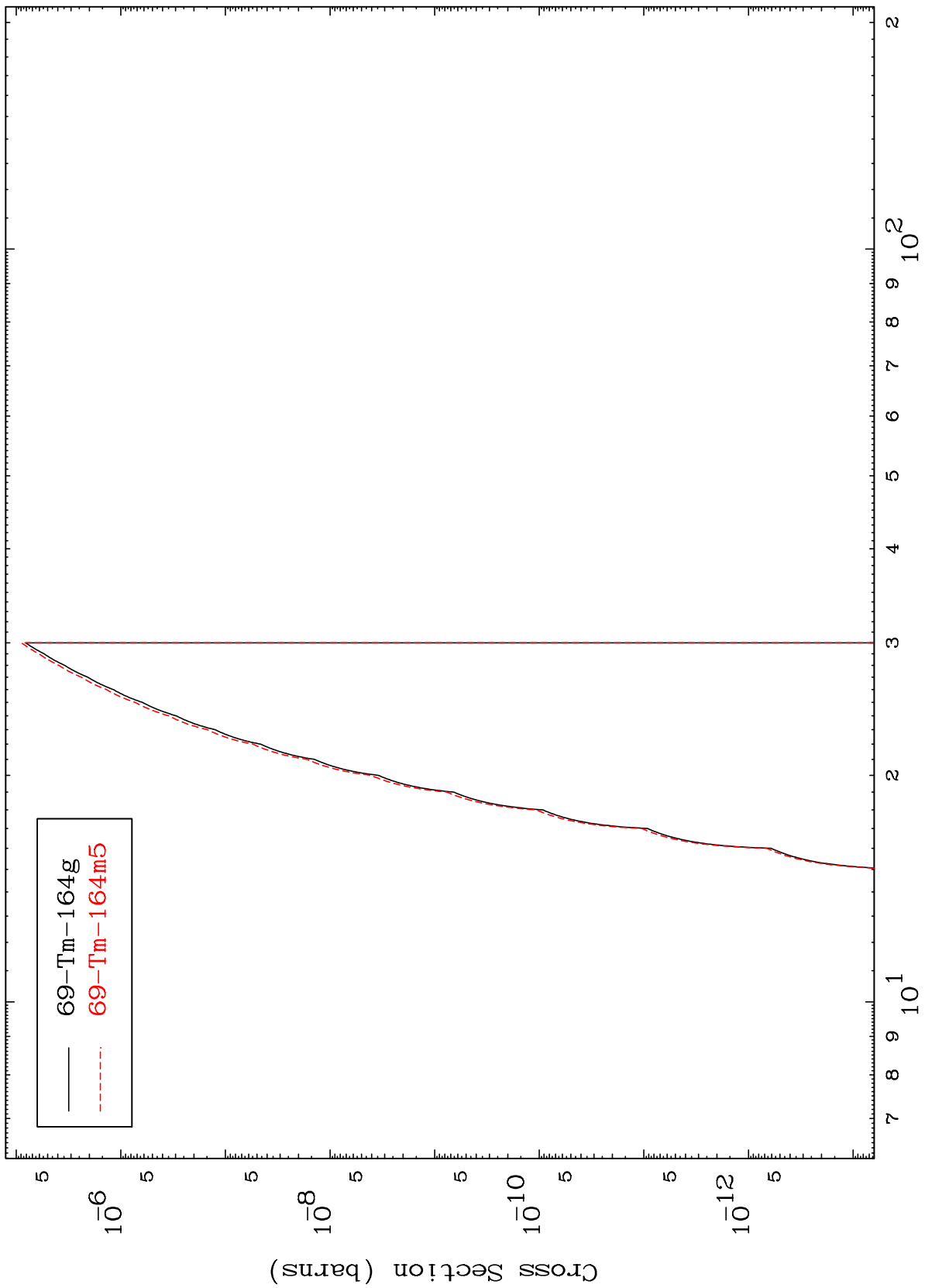


MAT 7098

(n,p) d

71-Lu-166

Radionuclide Production Cross Section



117

Incident Energy (MeV)

71-Lu-166