

Program EVALPLOT
(Version 2021-1)

by

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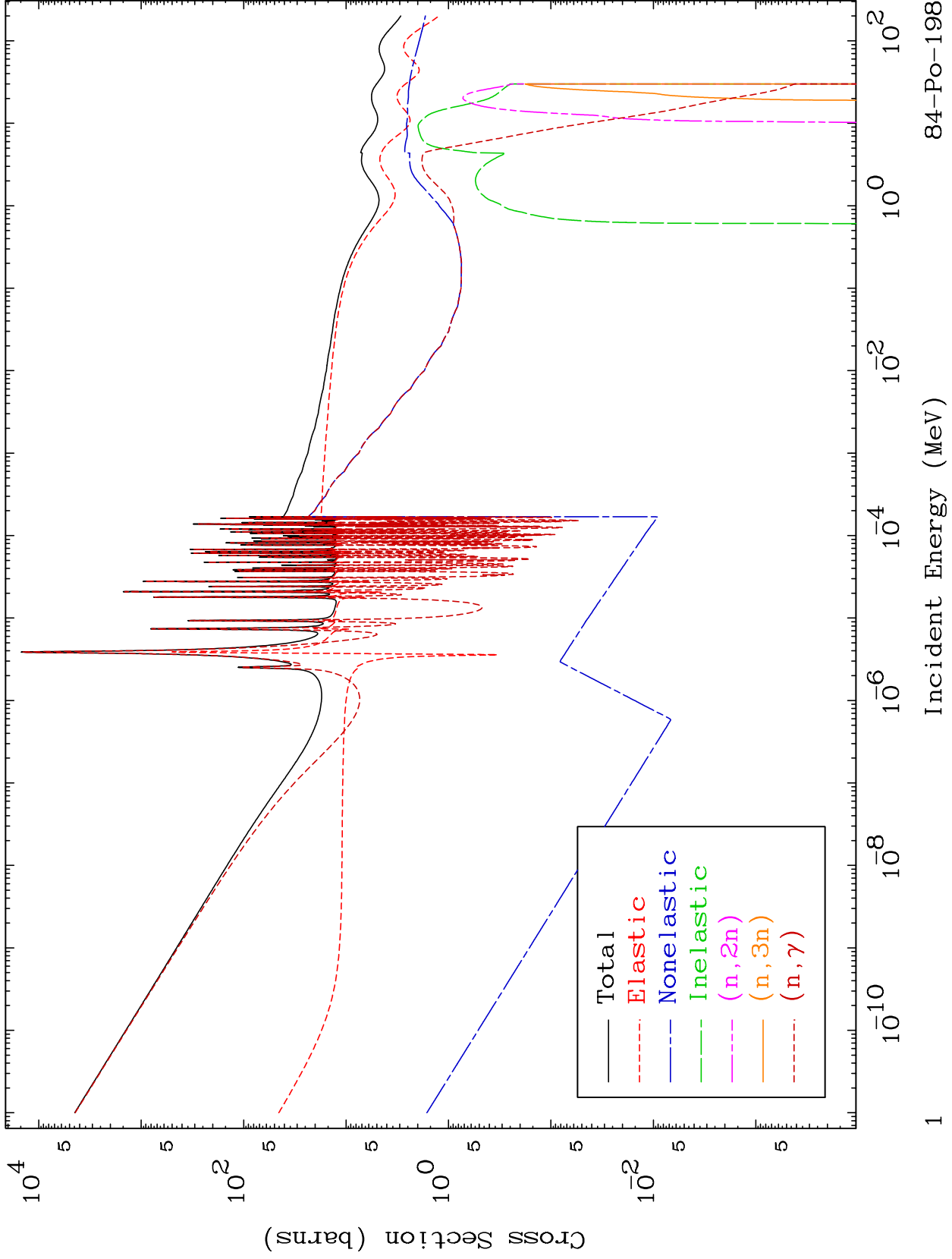
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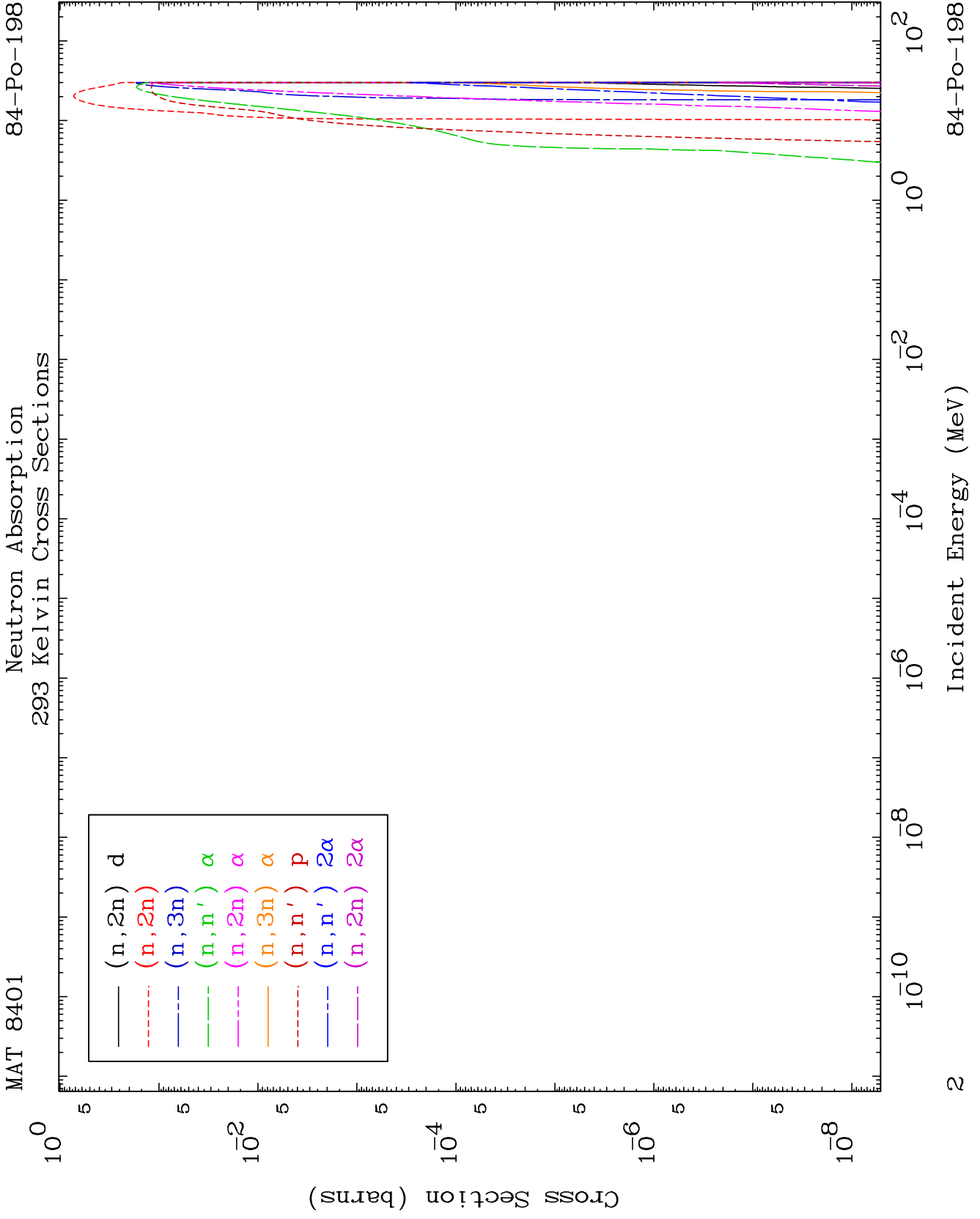
Press Mouse Button to Start

MAT 8401

Neutron Major
293 Kelvin Cross Sections

84-Po-198

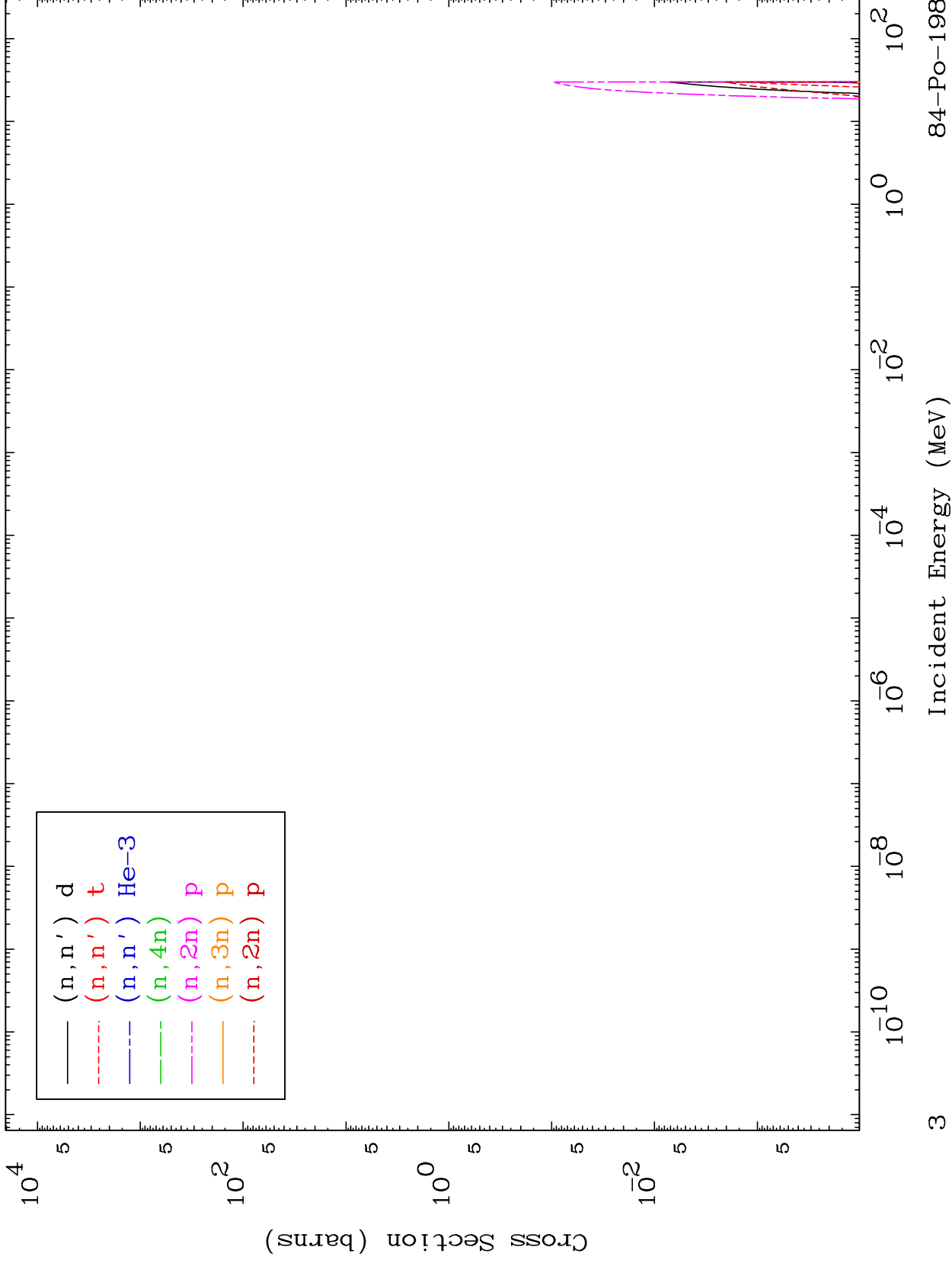




MAT 8401

Neutron Absorption
293 Kelvin Cross Sections

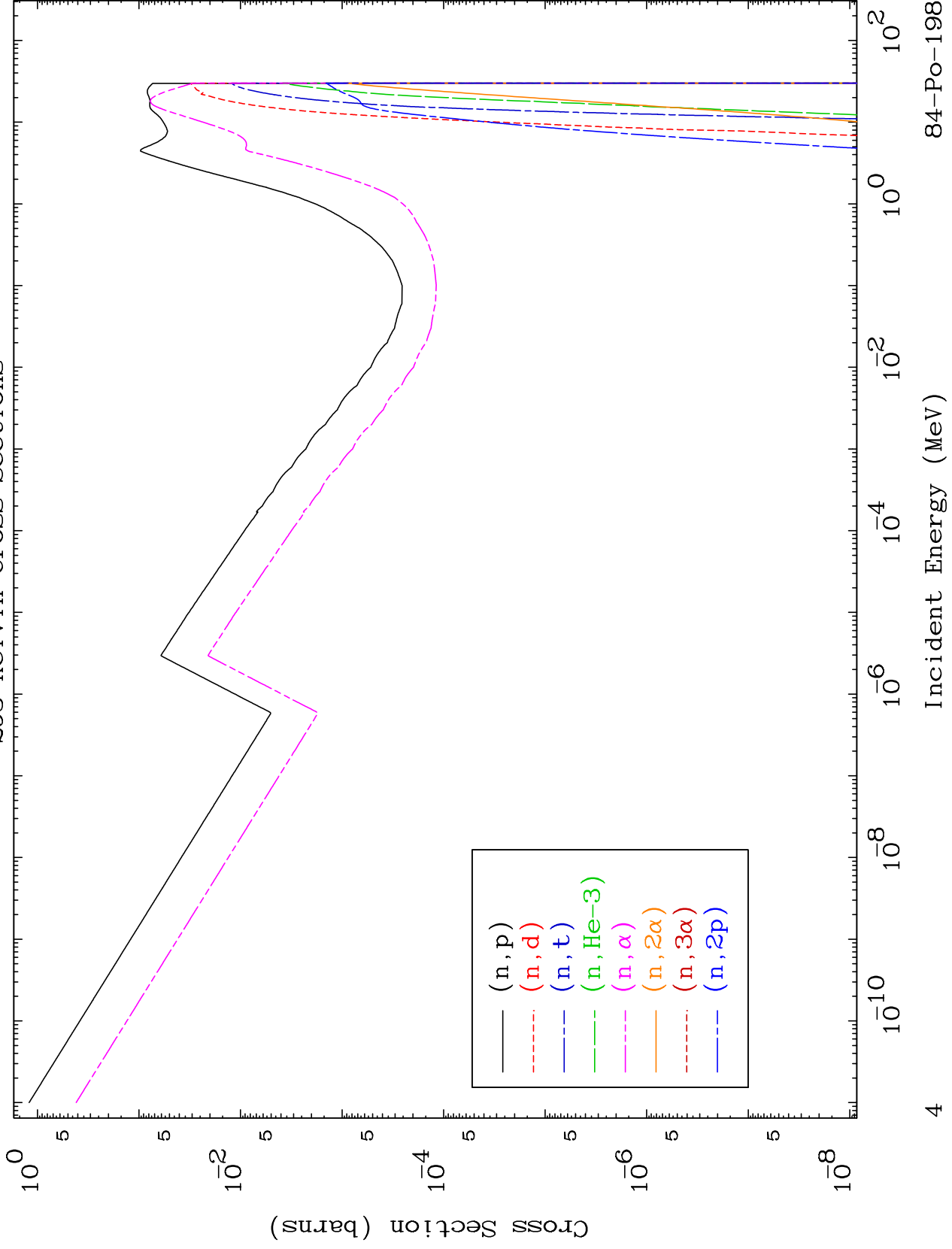
84-Po-198



MAT 8401

Neutron Absorption
293 Kelvin Cross Sections

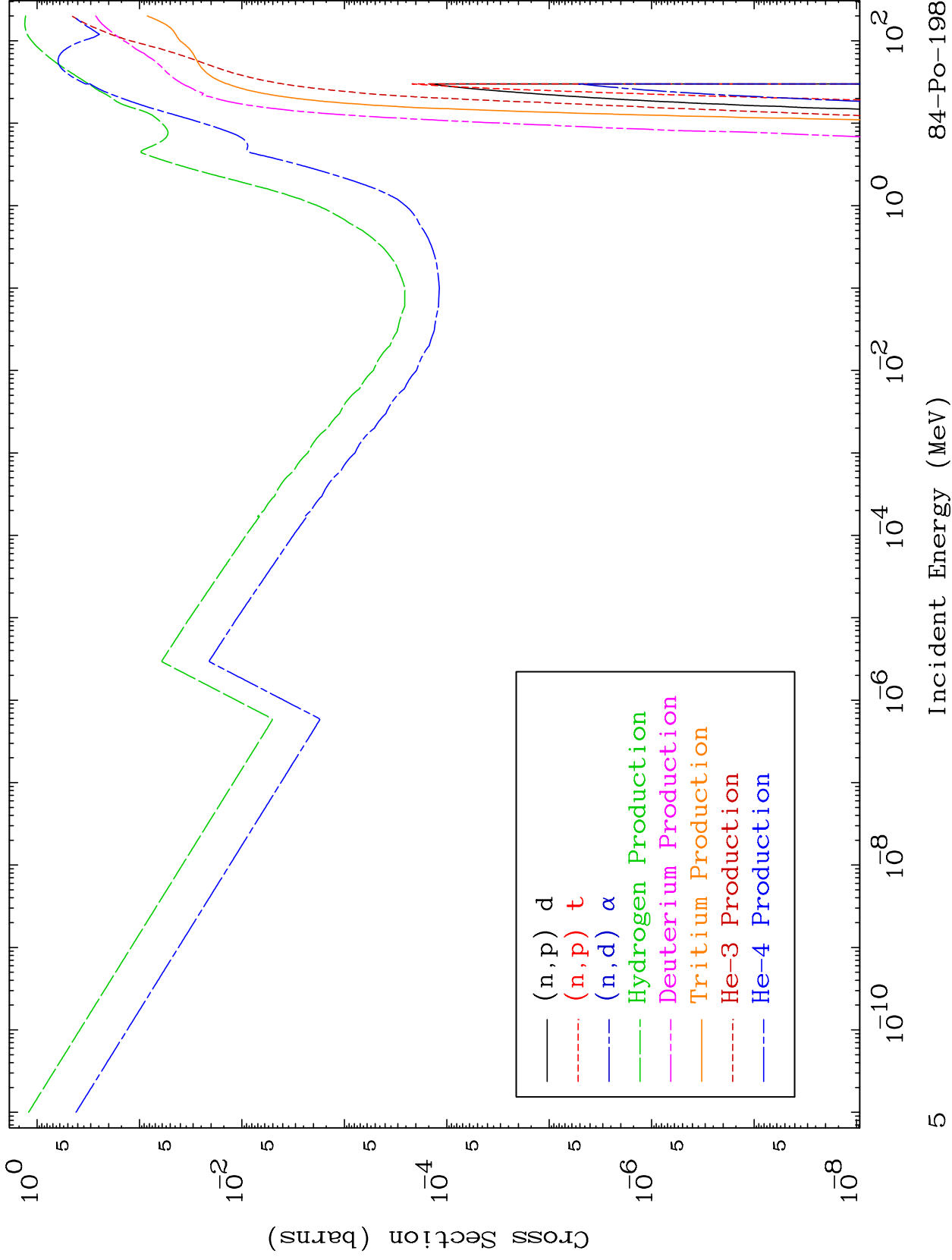
84-Po-198



MAT 8401

Neutron Absorption
293 Kelvin Cross Sections

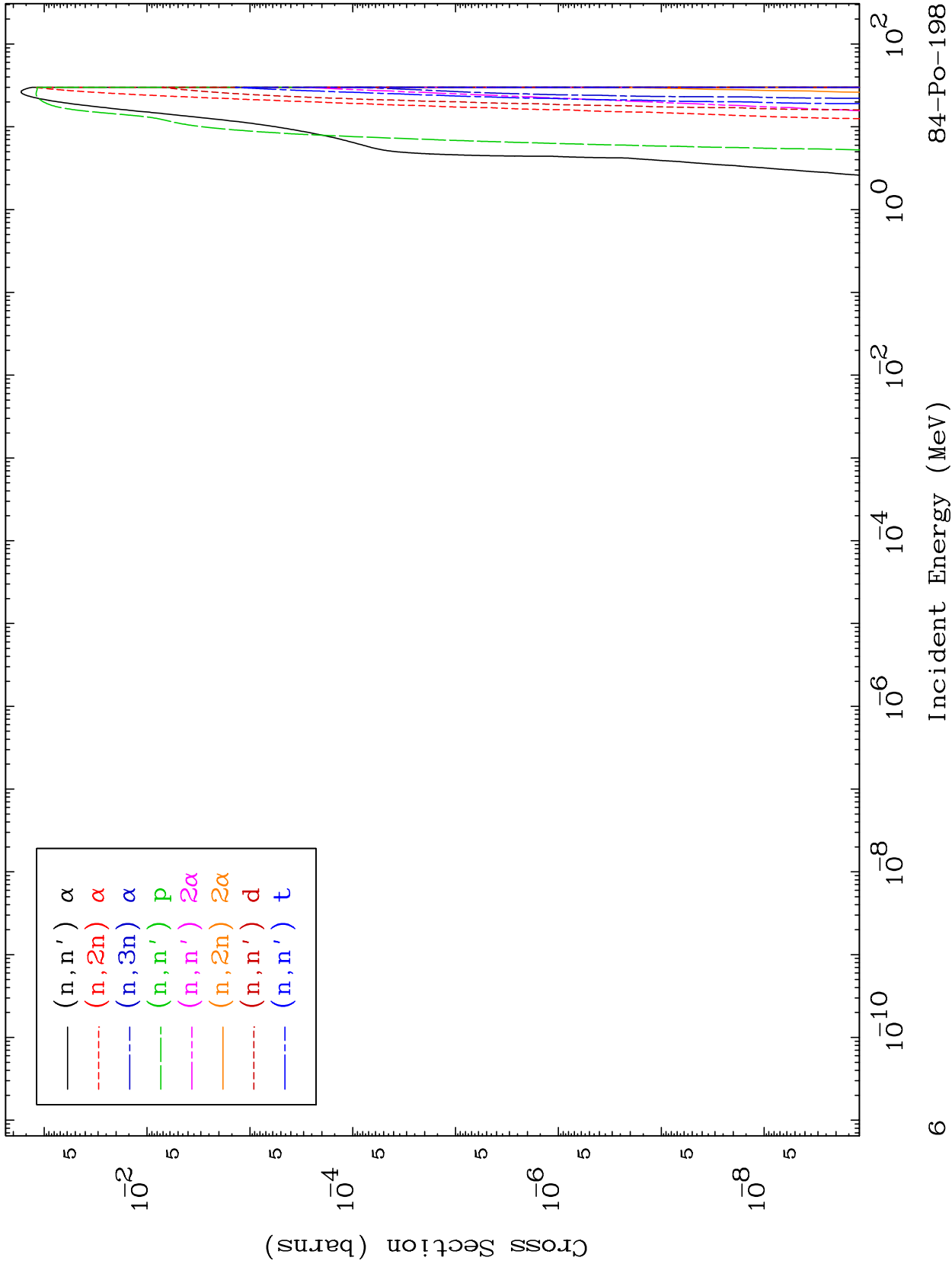
84-Po-198



MAT 8401

Charged Particle
293 Kelvin Cross Sections

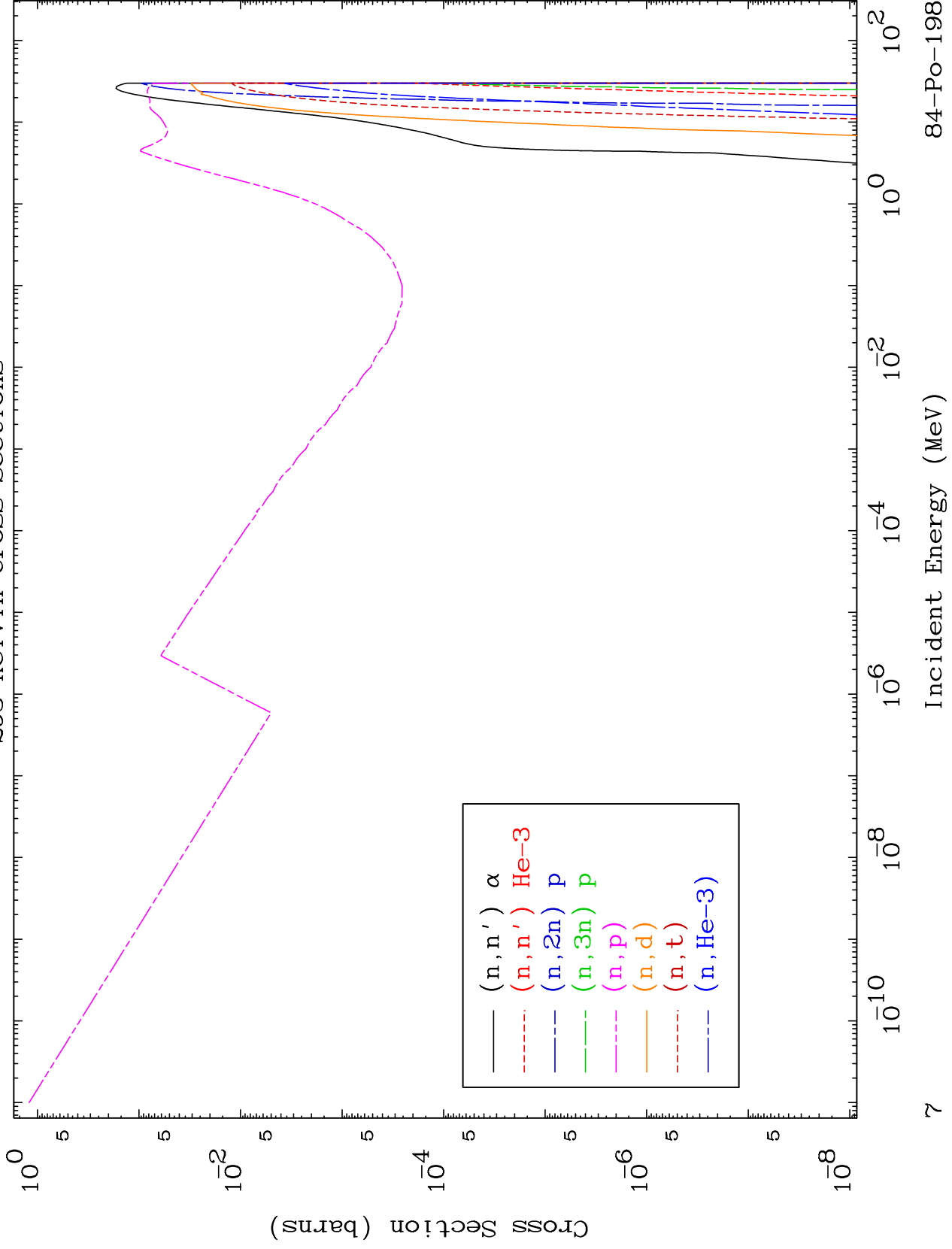
84-Po-198



MAT 8401

Charged Particle
293 Kelvin Cross Sections

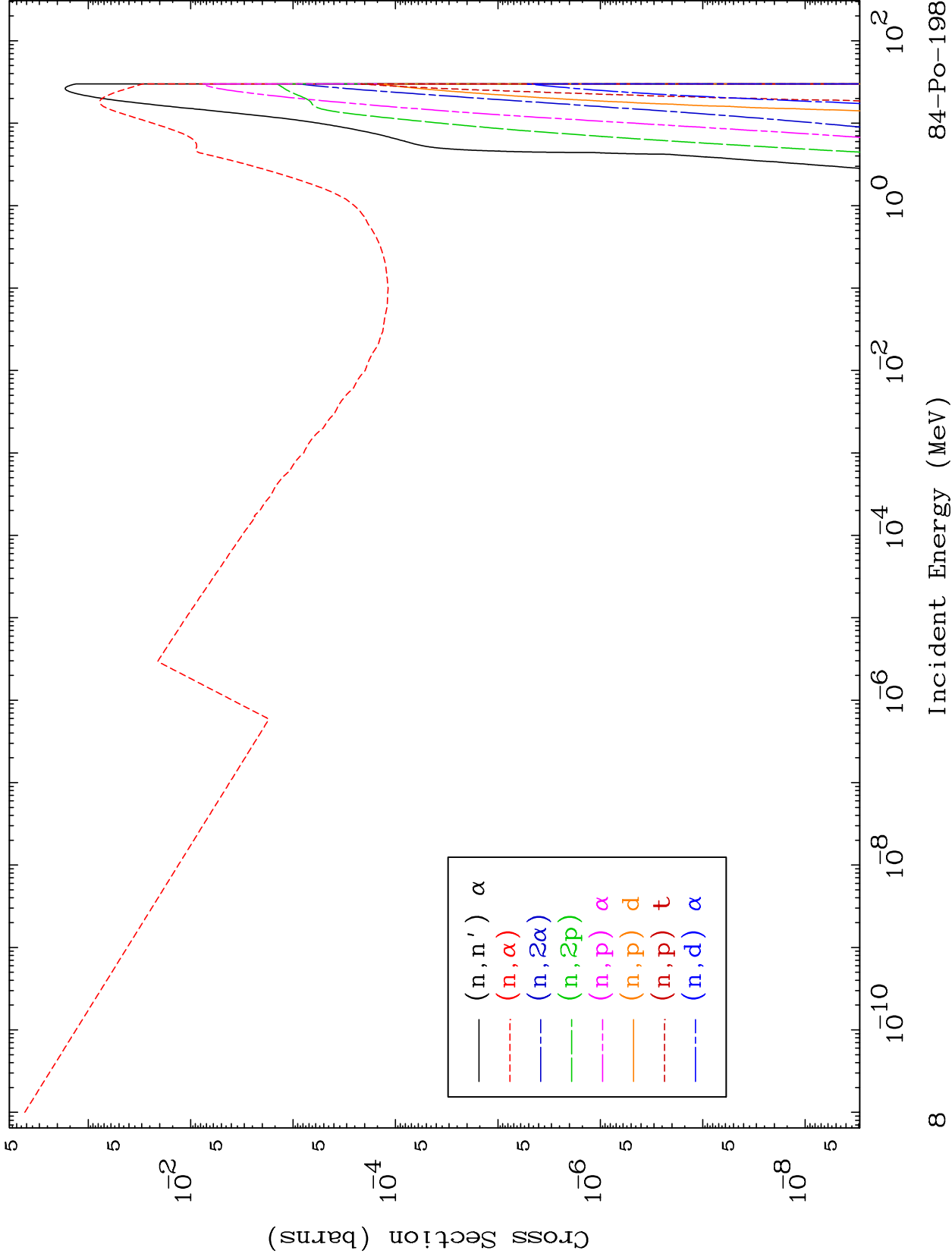
84-Po-198



MAT 8401

Charged Particle
293 Kelvin Cross Sections

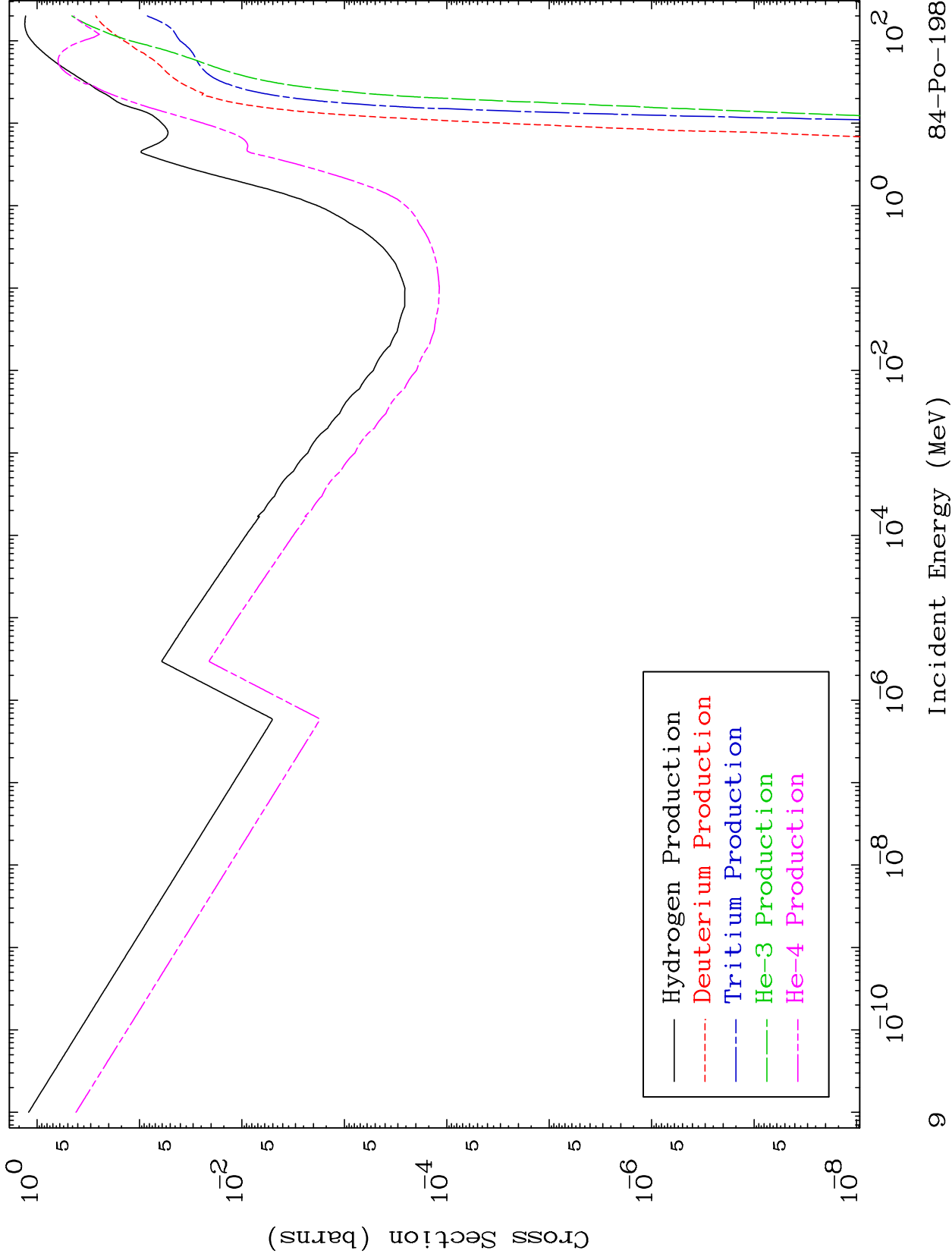
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MAT 8401

Particle Production
293 Kelvin Cross Sections

84-Po-198

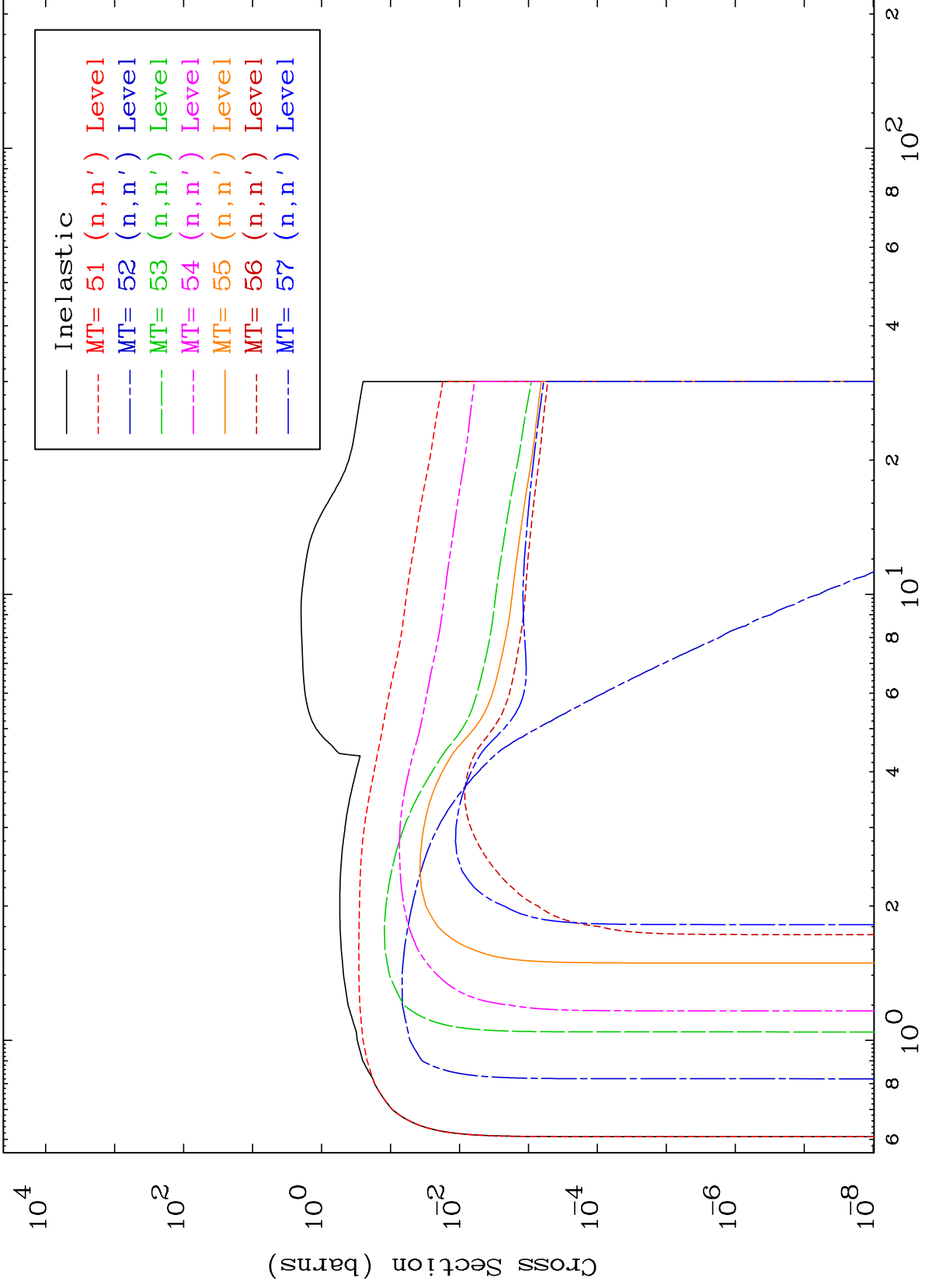


MAT 8401

(n,n') Levels

84-Po-198

293 Kelvin Cross Sections

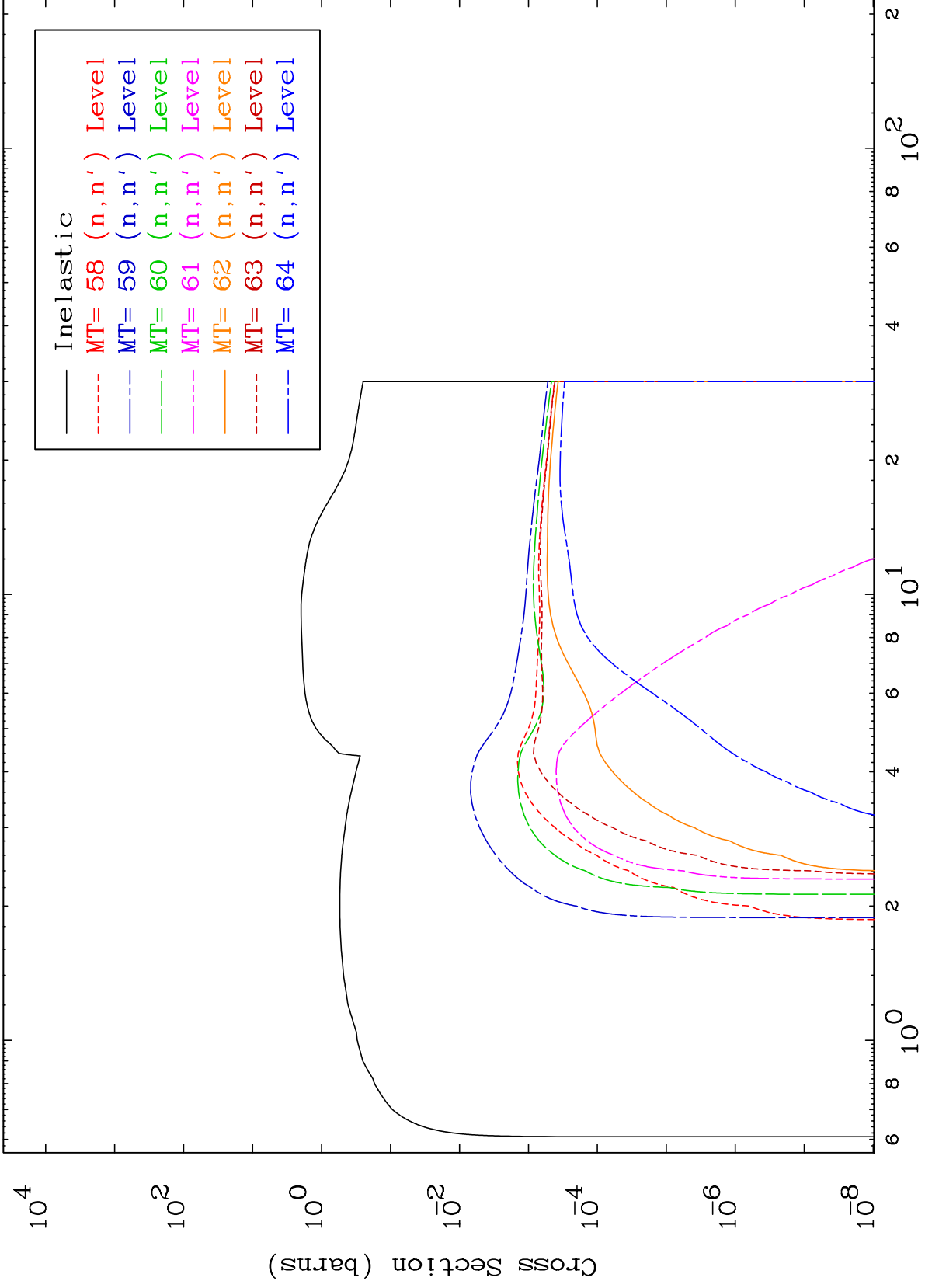


10

Incident Energy (MeV)

84-Po-198

293 Kelvin Cross Sections

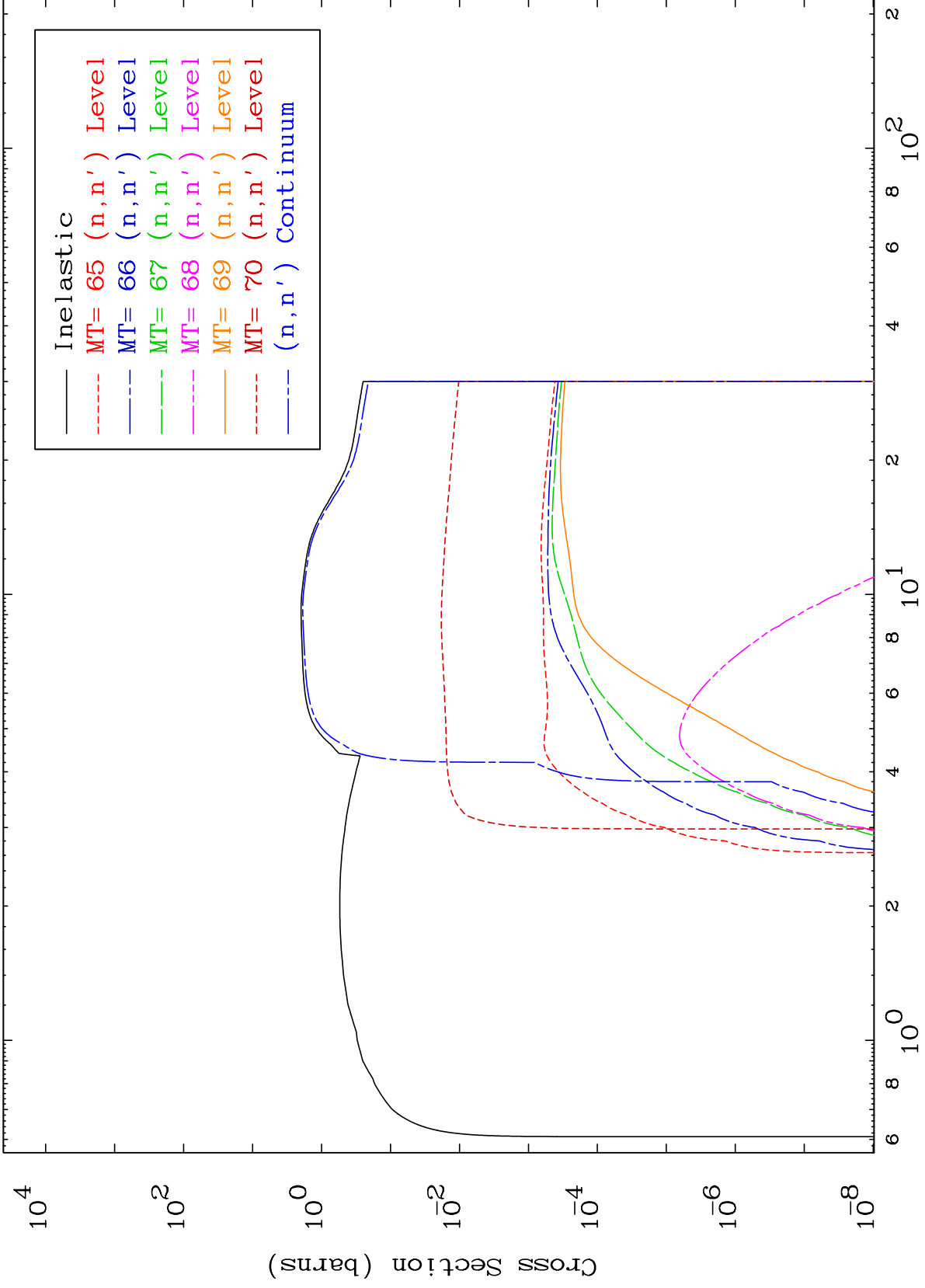


MAT 8401

(n,n') Levels

293 Kelvin Cross Sections

84-Po-198



12

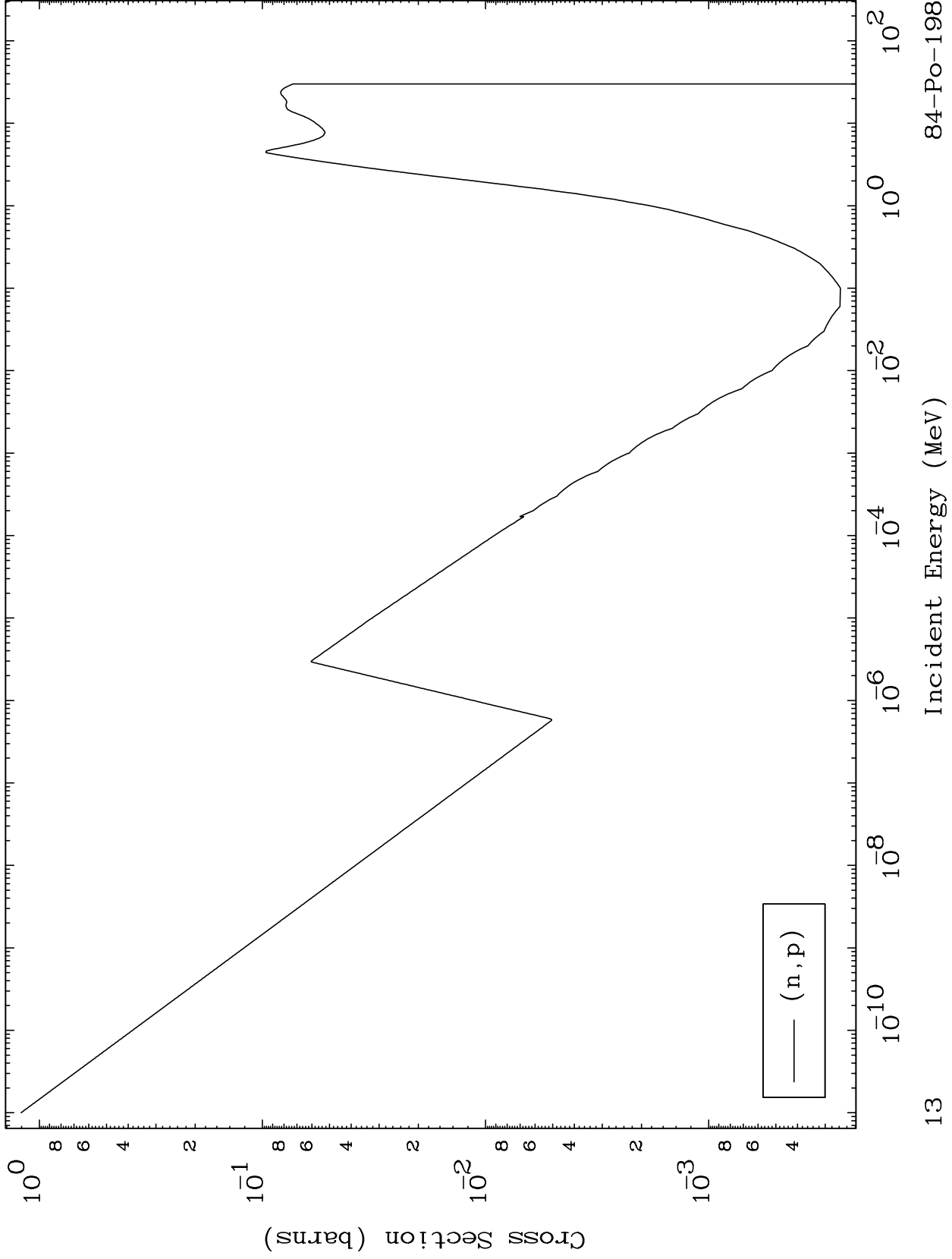
Incident Energy (MeV)

84-Po-198

MAT 8401

(n,p) Levels
293 Kelvin Cross Sections

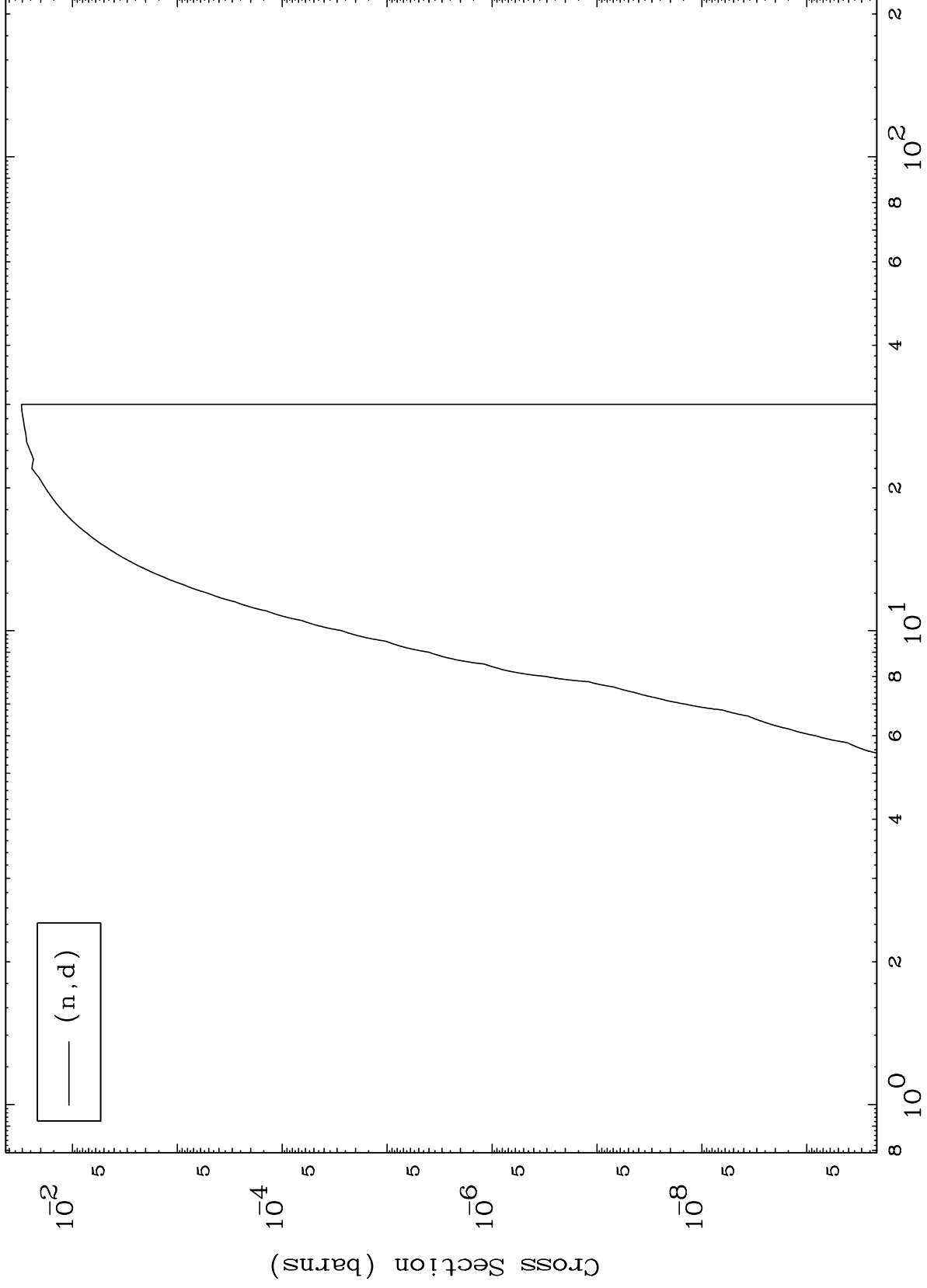
84-Po-198



MAT 8401

(n,d) Levels
293 Kelvin Cross Sections

84-Po-198



14

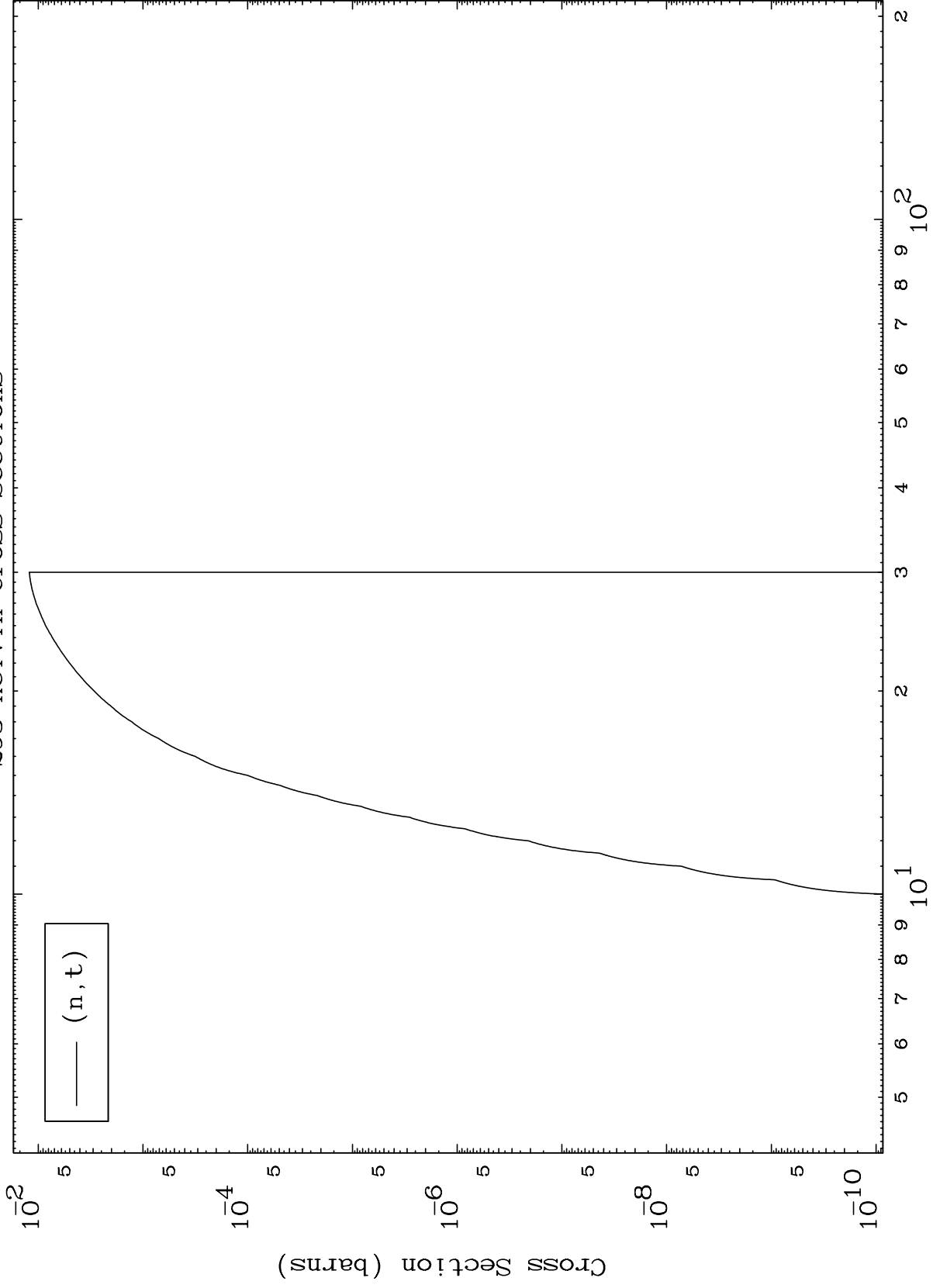
84-Po-198

84-Po-198

MAT 8401

(n,t) Levels
293 Kelvin Cross Sections

84-Po-198



15

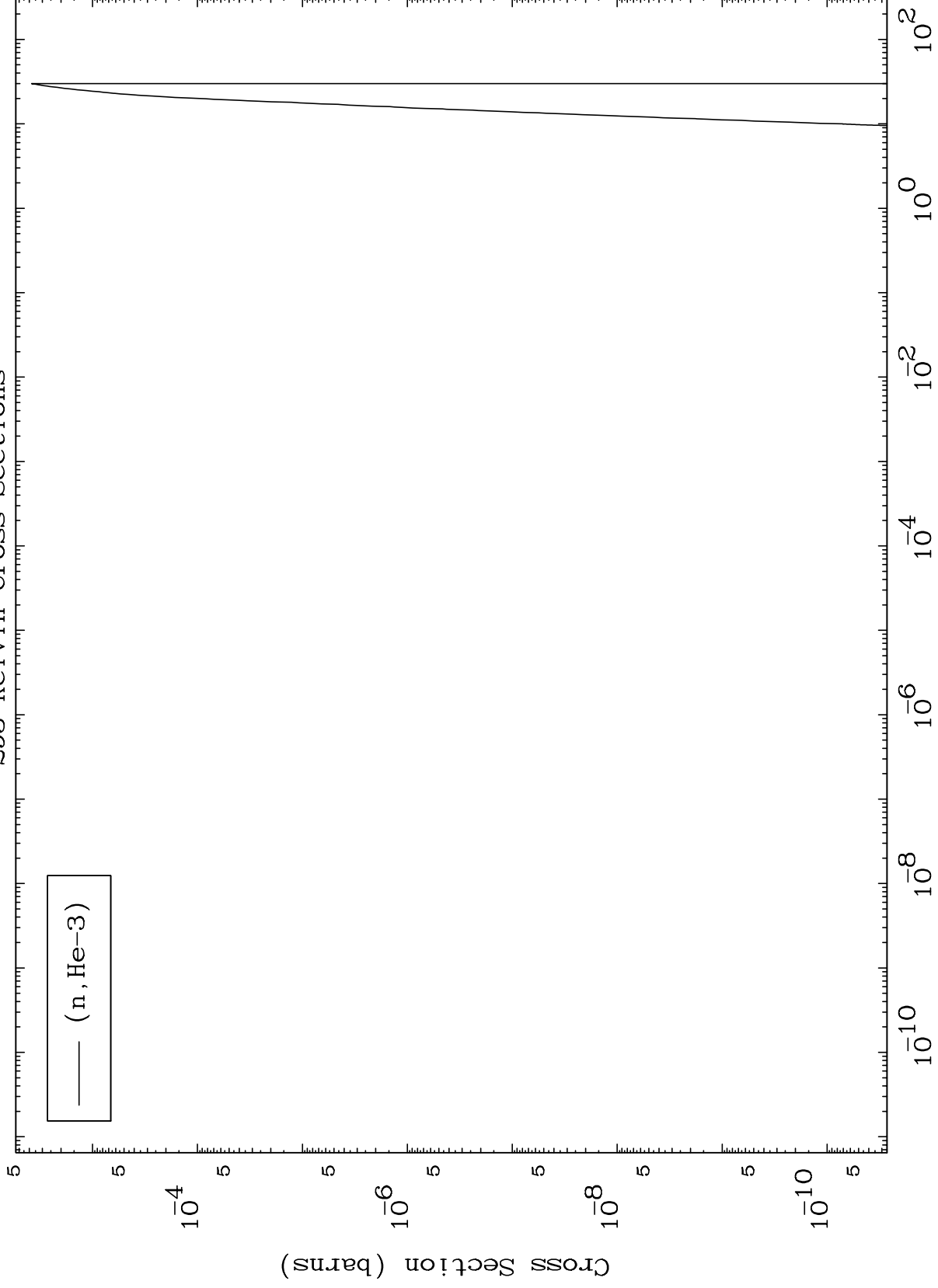
Incident Energy (MeV)

84-Po-198

MAT 8401

(n,He3) Levels
293 Kelvin Cross Sections

84-Po-198



16

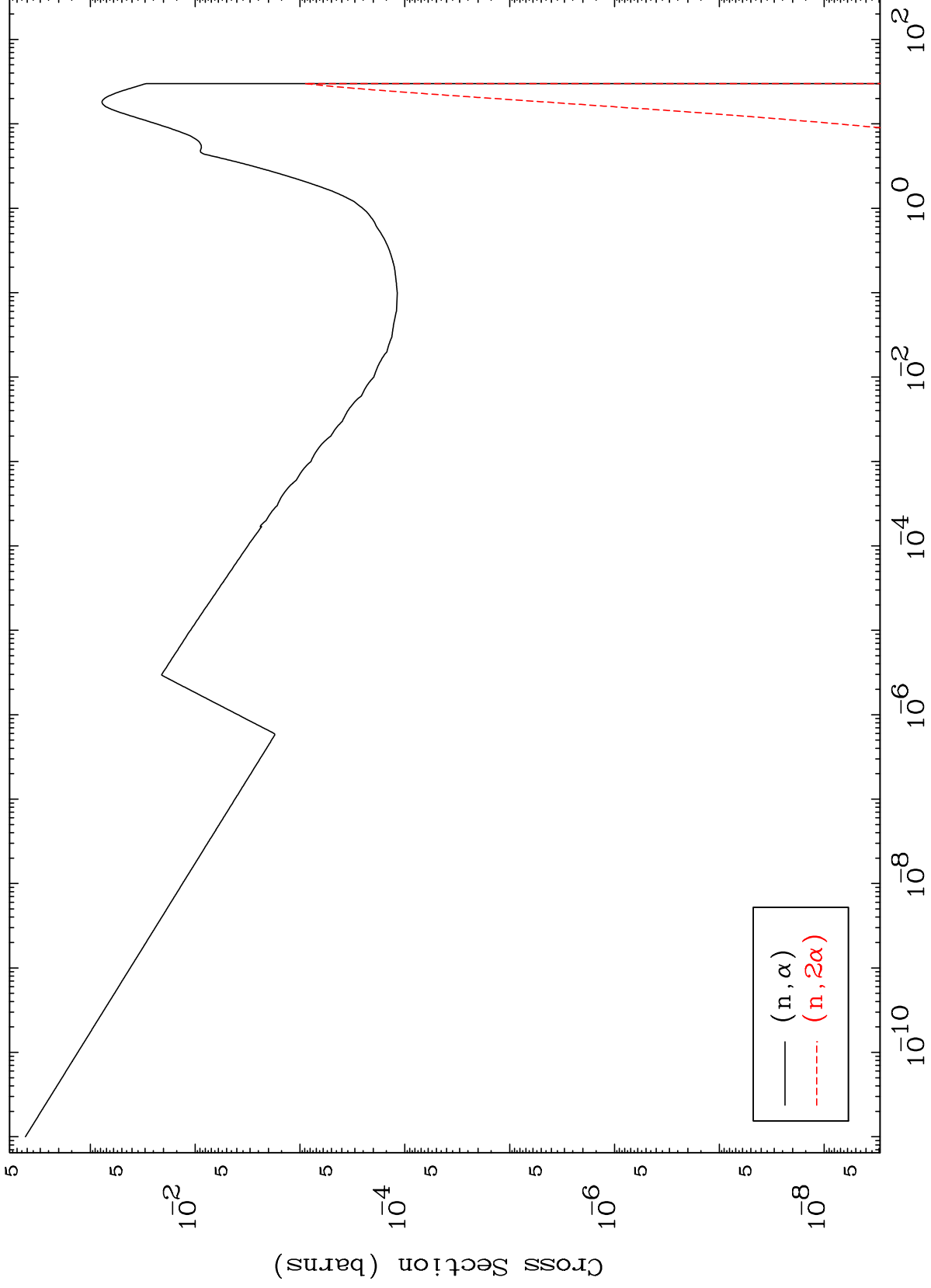
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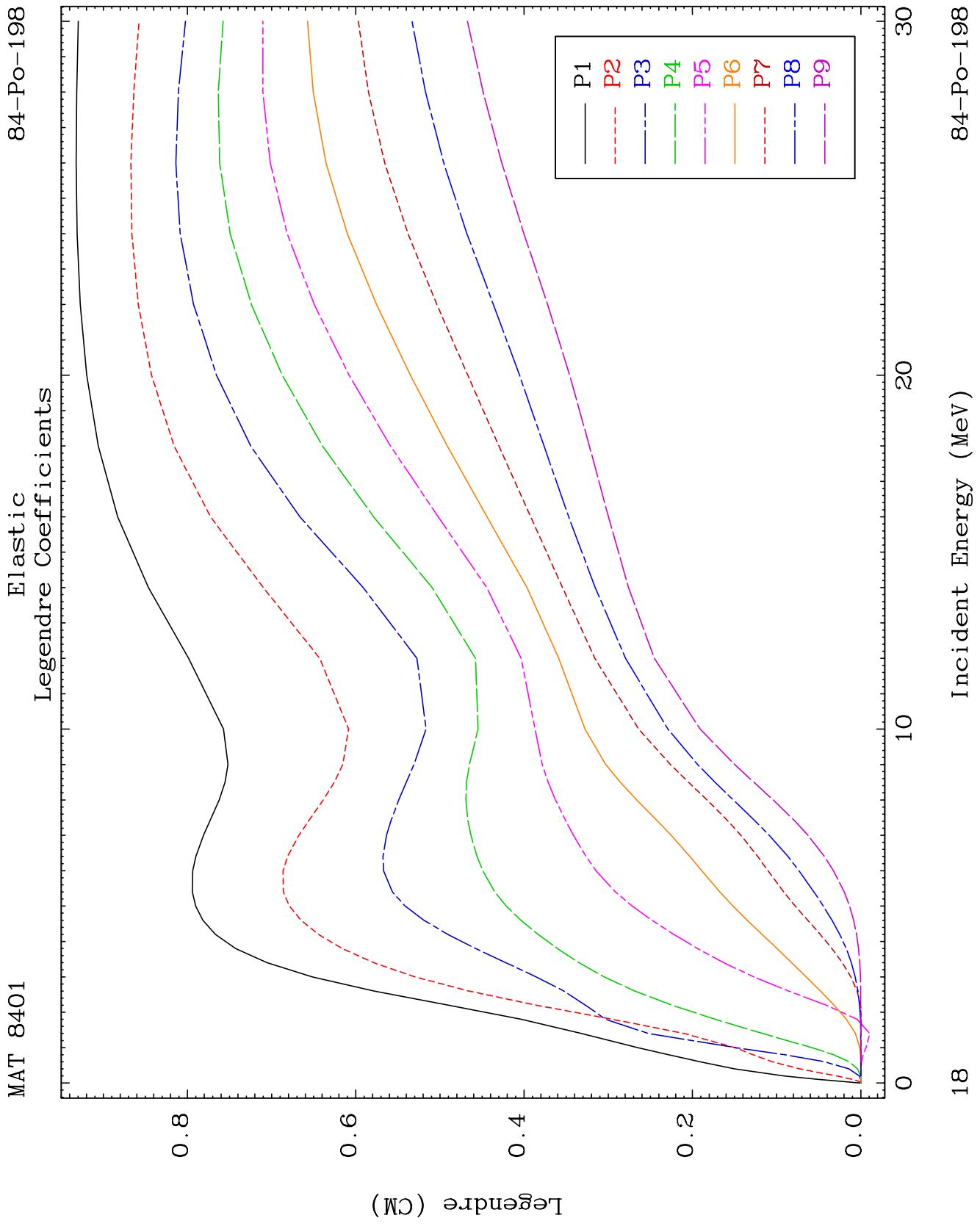
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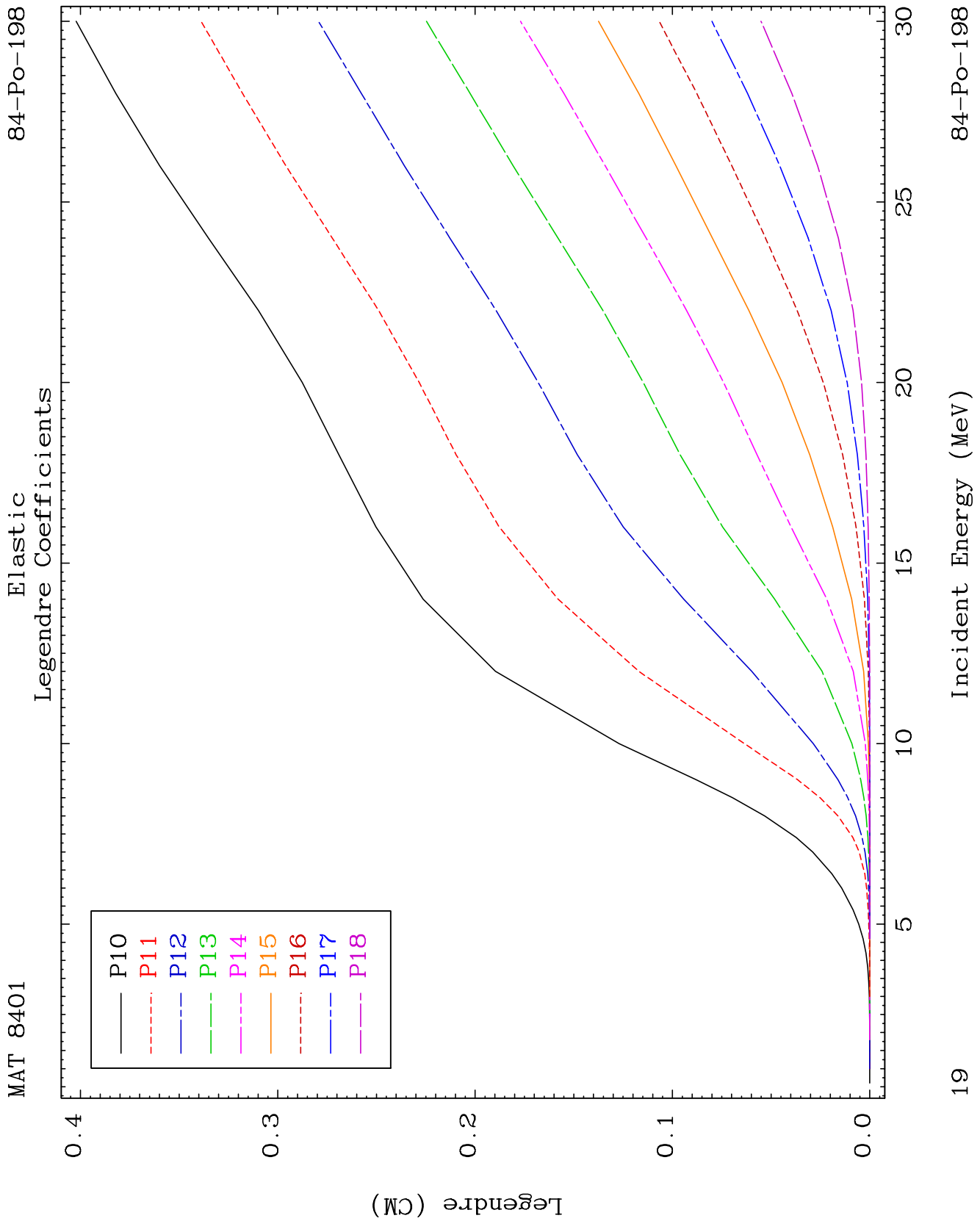
MAT 8401

(n, α) Levels
293 Kelvin Cross Sections

84-Po-198



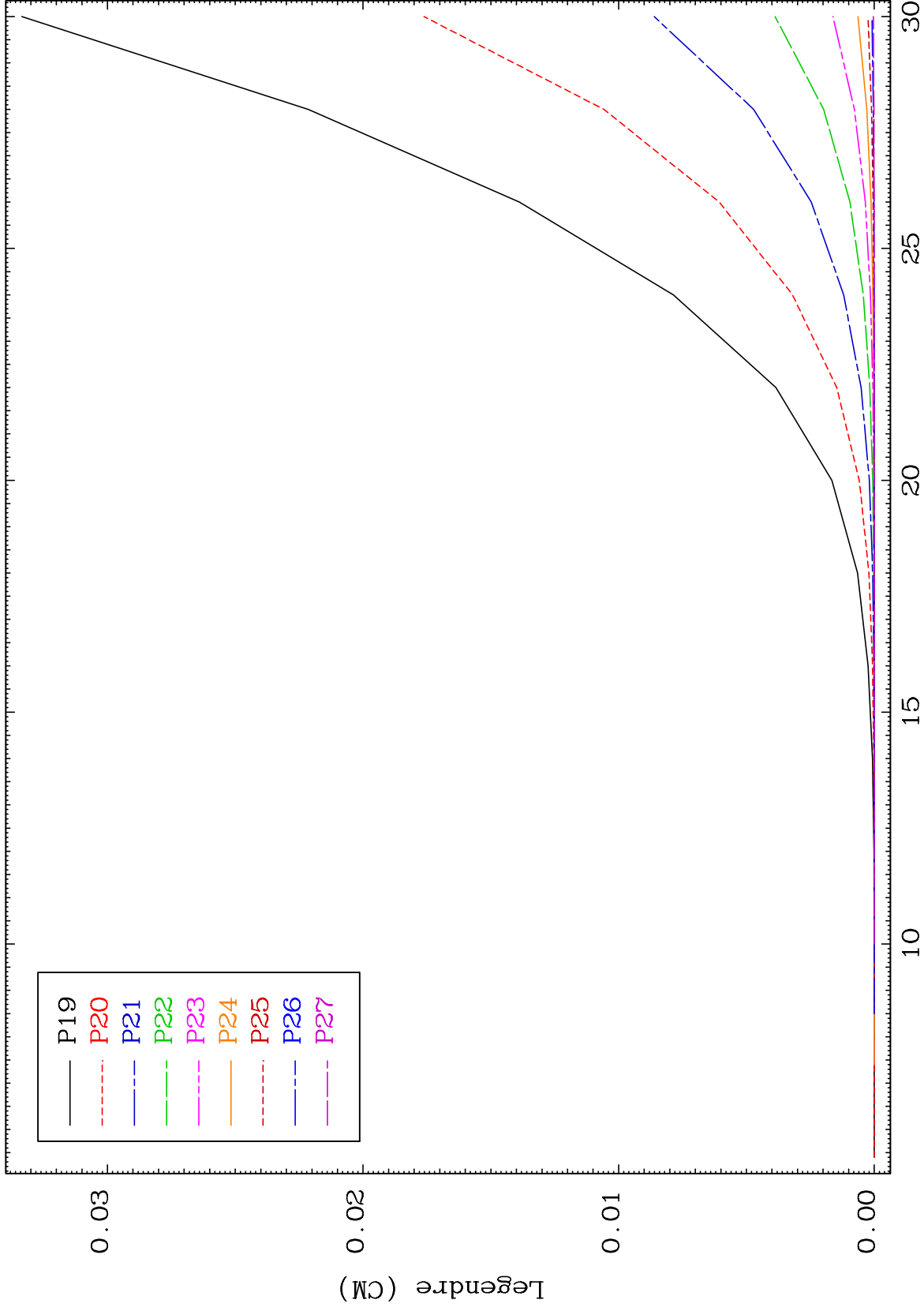




MAT 8401

Elastic
Legendre Coefficients

84-Po-198



20

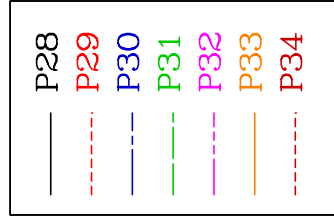
Incident Energy (MeV)

84-Po-198

MAT 8401

Elastic Legendre Coefficients

84-Po-198



$\times 10^{-5}$

1.0

0.8

Legendre (CM)

0.6

0.4

0.2

0.0

15

20

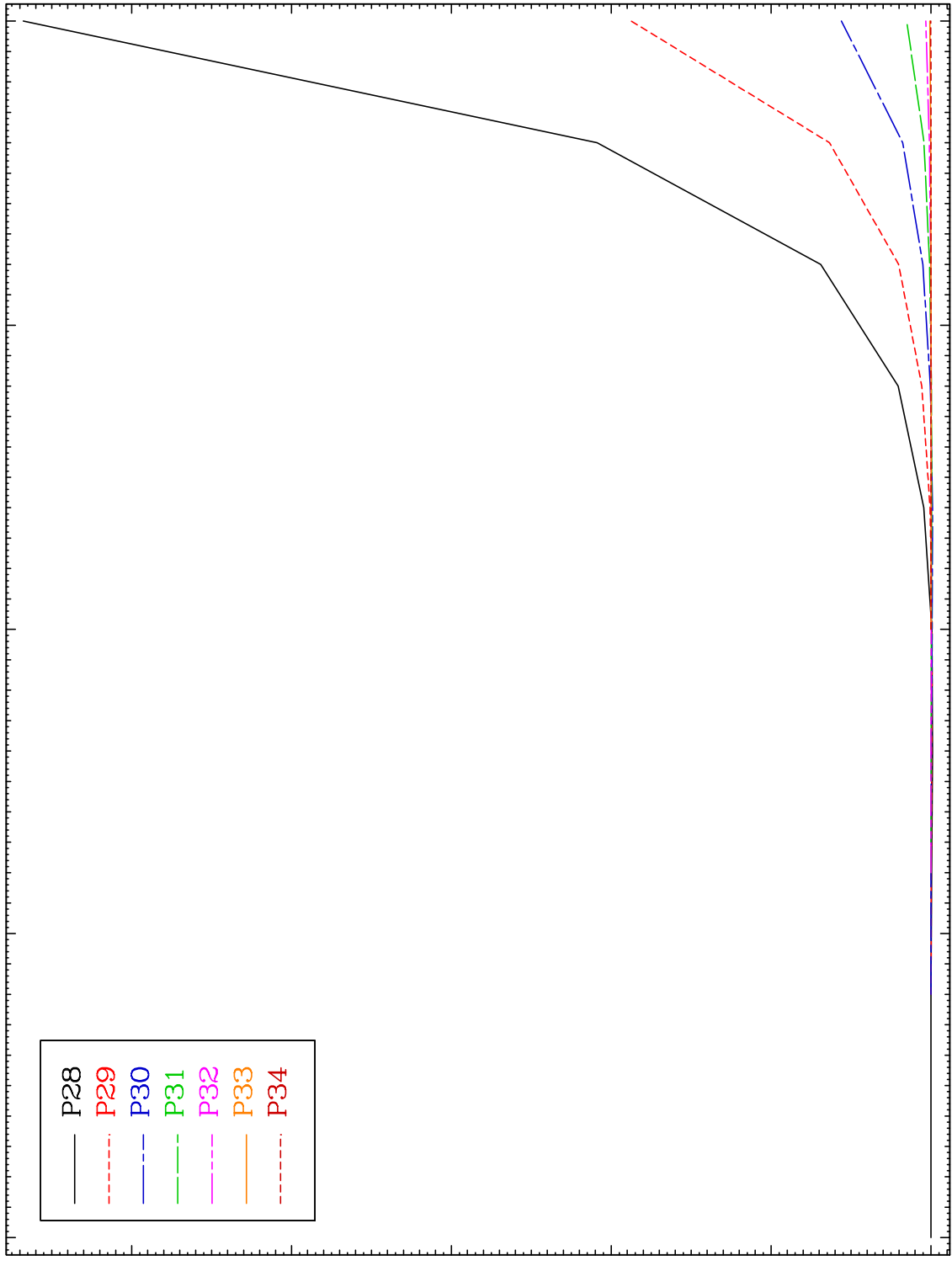
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30

21

Incident Energy (MeV)

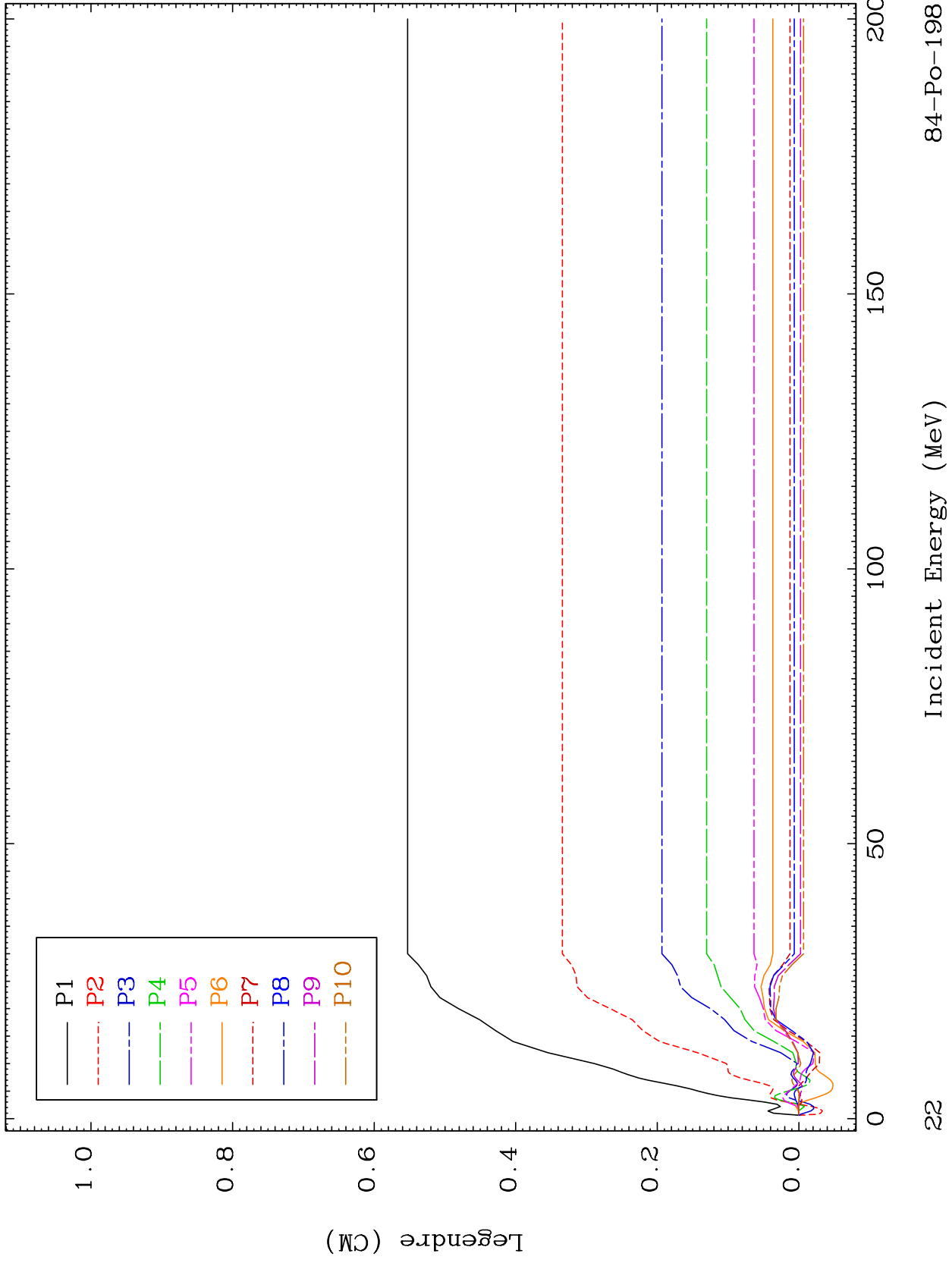
84-Po-198



MAT 8401

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

84-Po-198



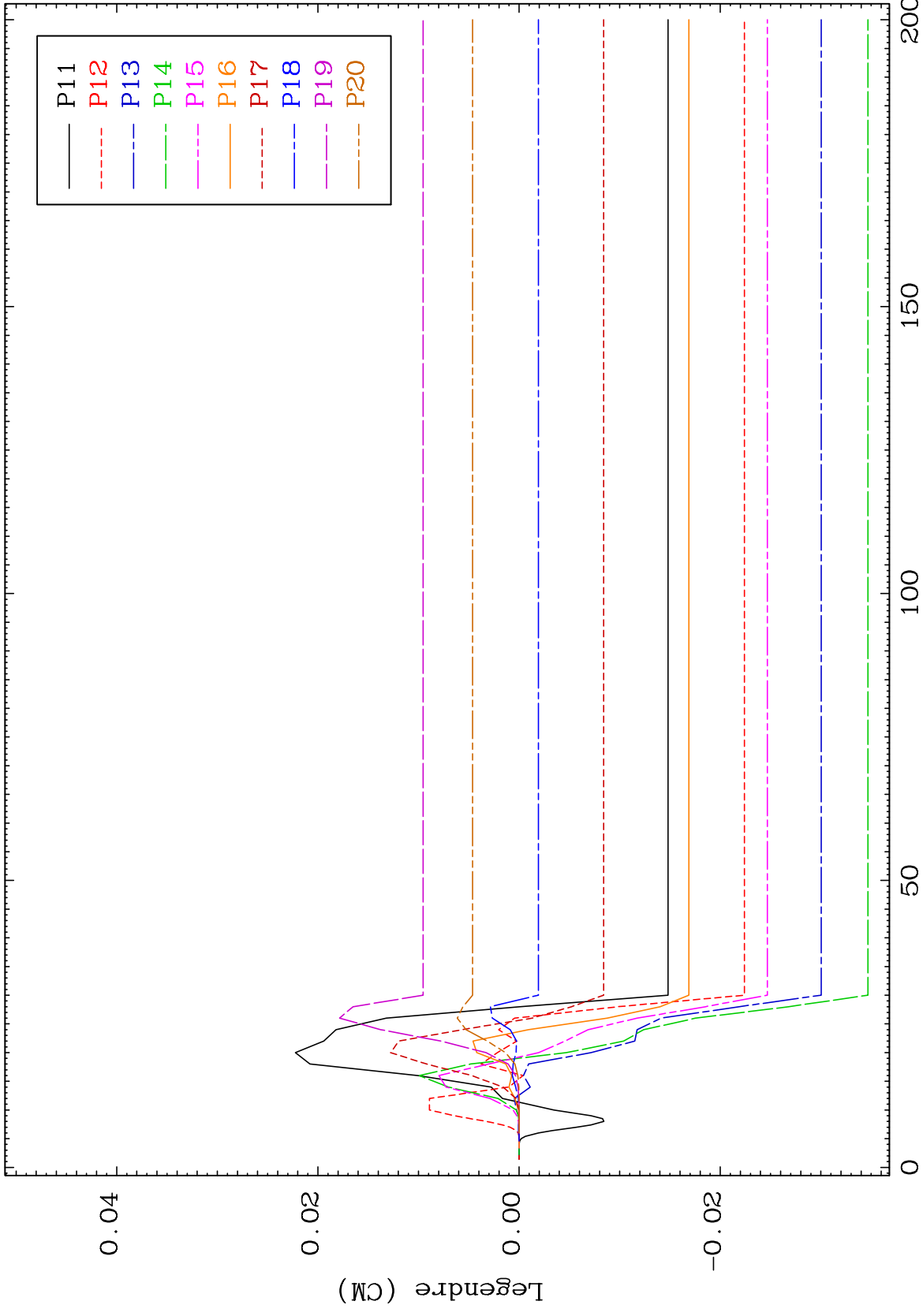
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84-Po-198

MAT 8401

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

84-Po-198



23

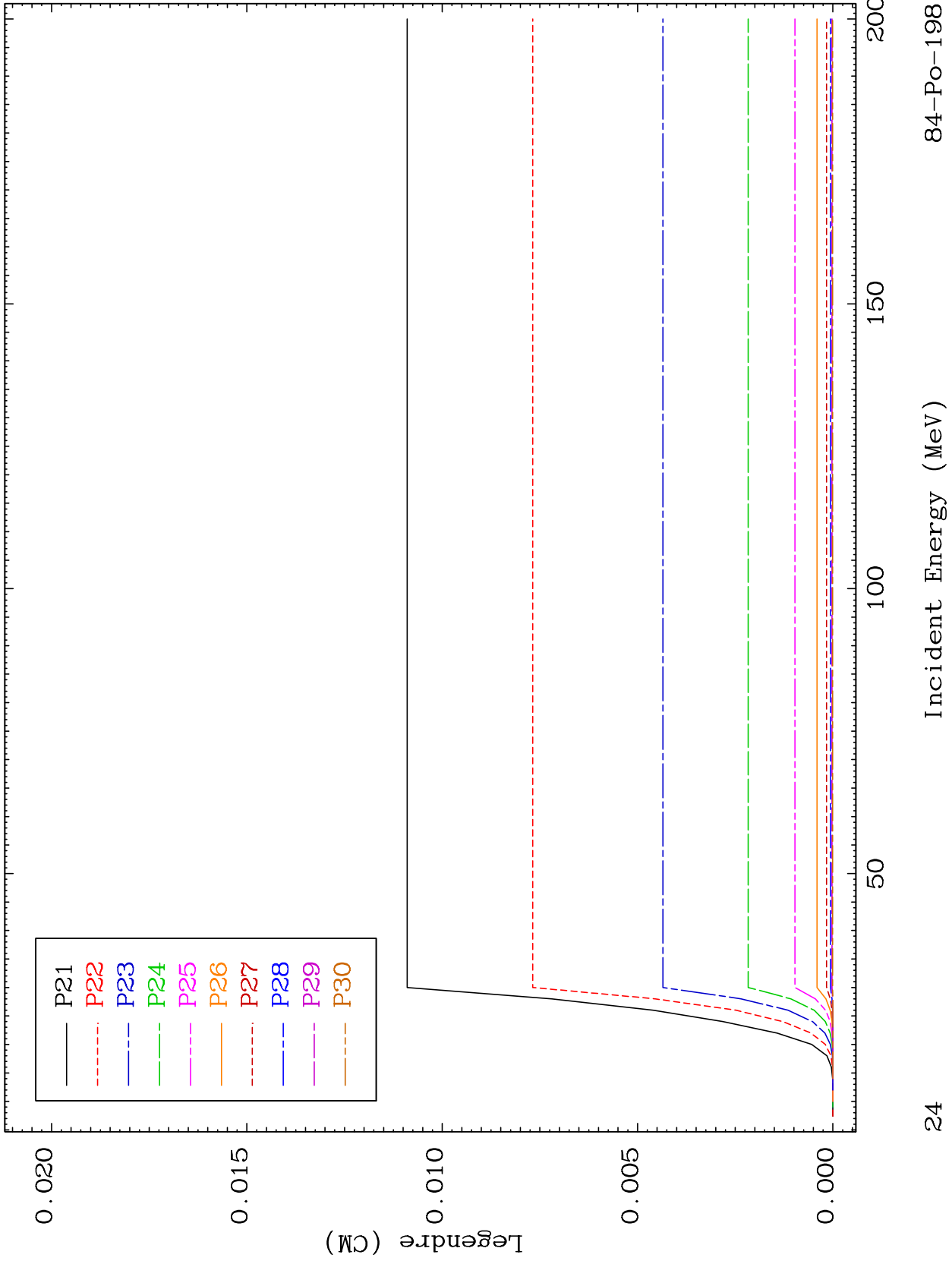
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



24

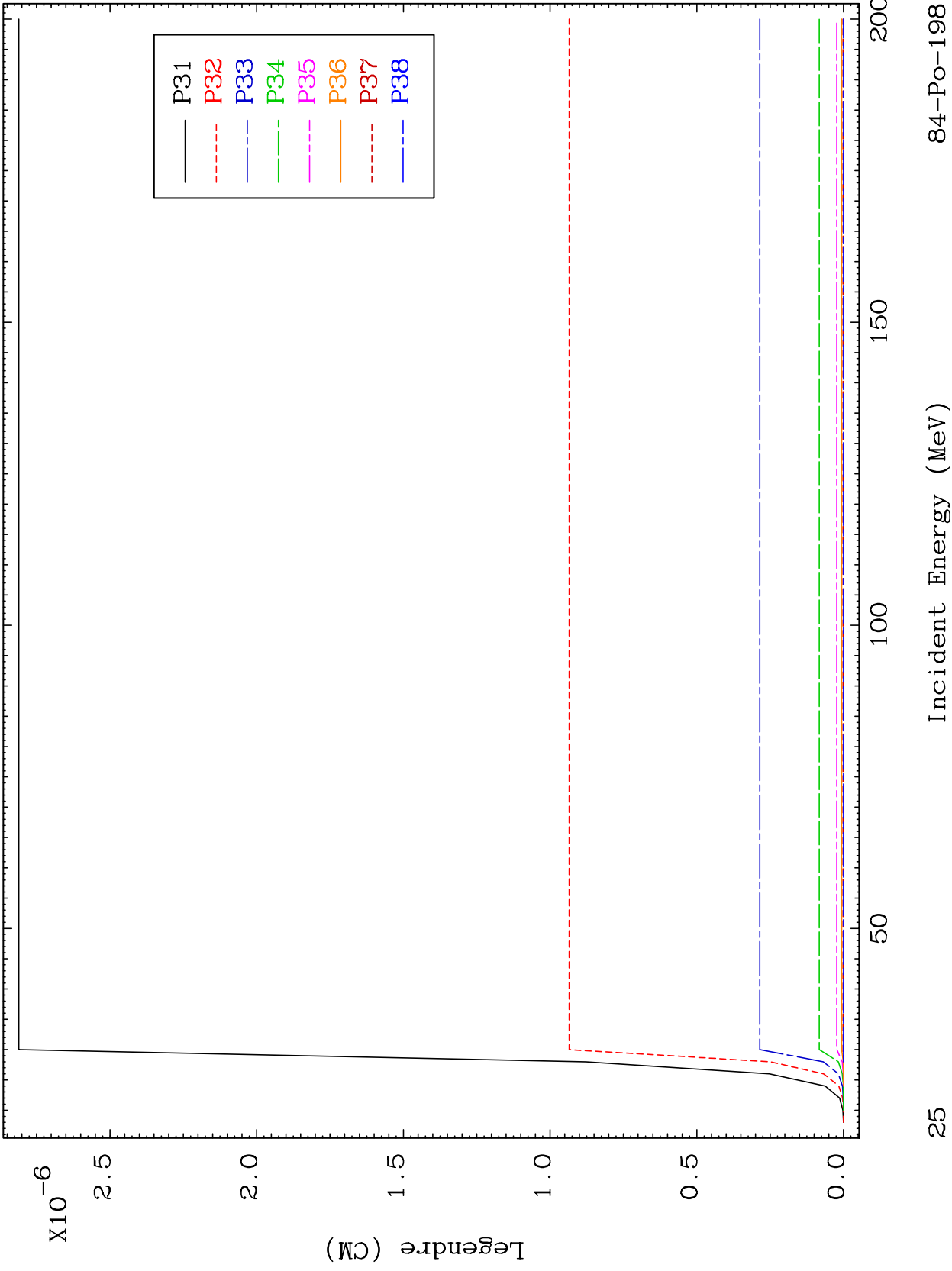
Incident Energy (MeV)

84-Po-198

MAT 8401

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

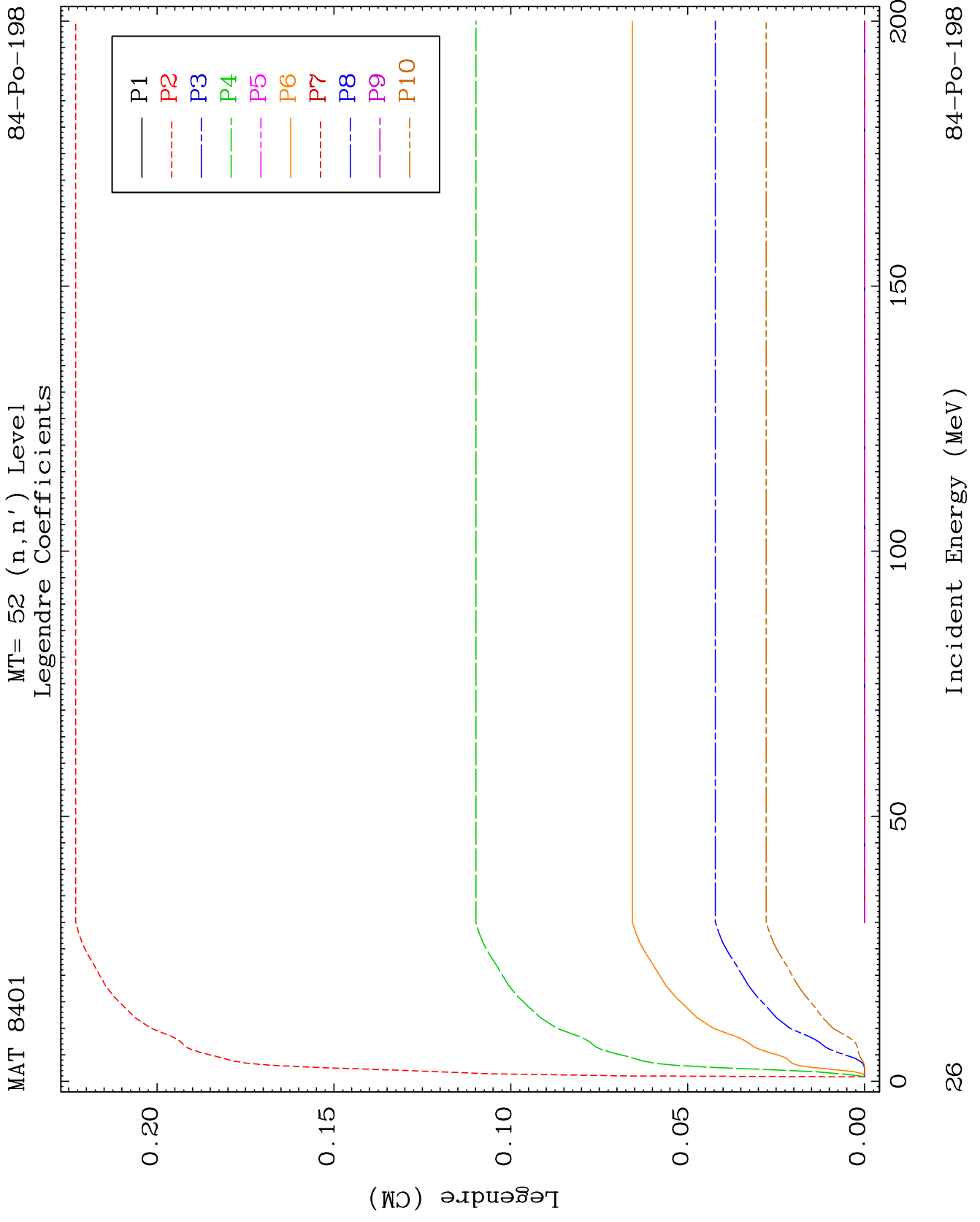
84-Po-198



84-Po-198

Incident Energy (MeV)

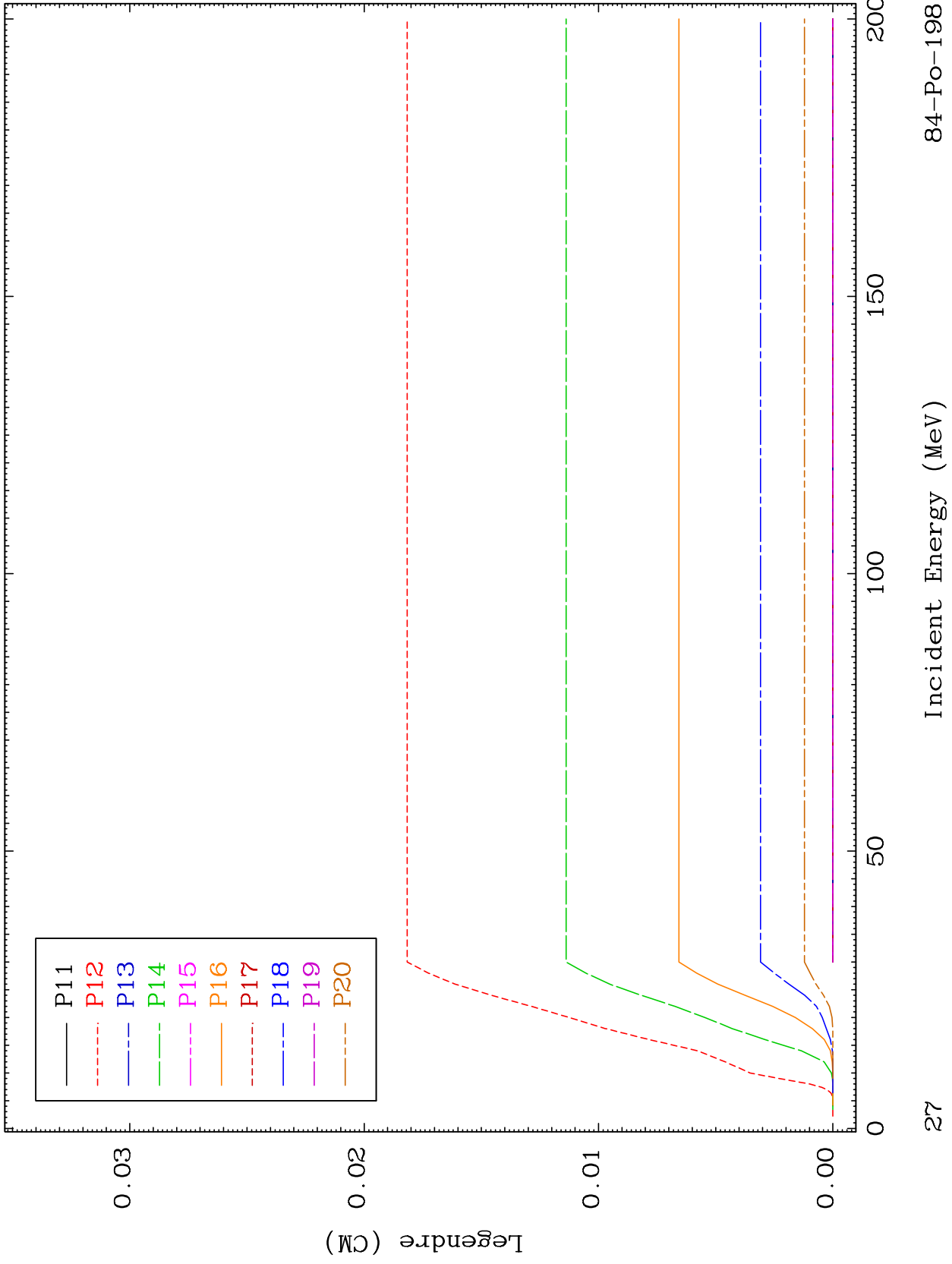
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MAT 8401

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

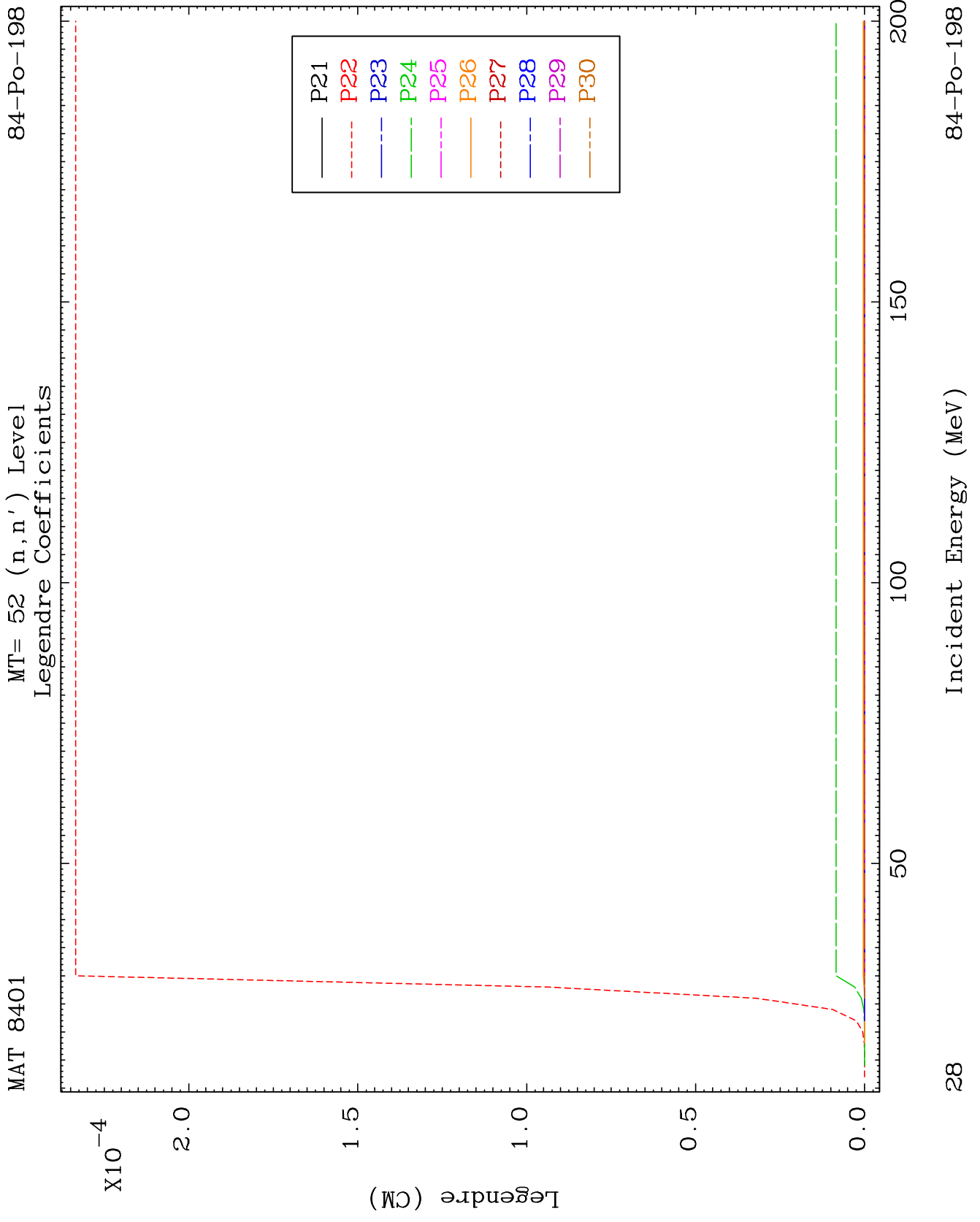
84-Po-198



27

Incident Energy (MeV)

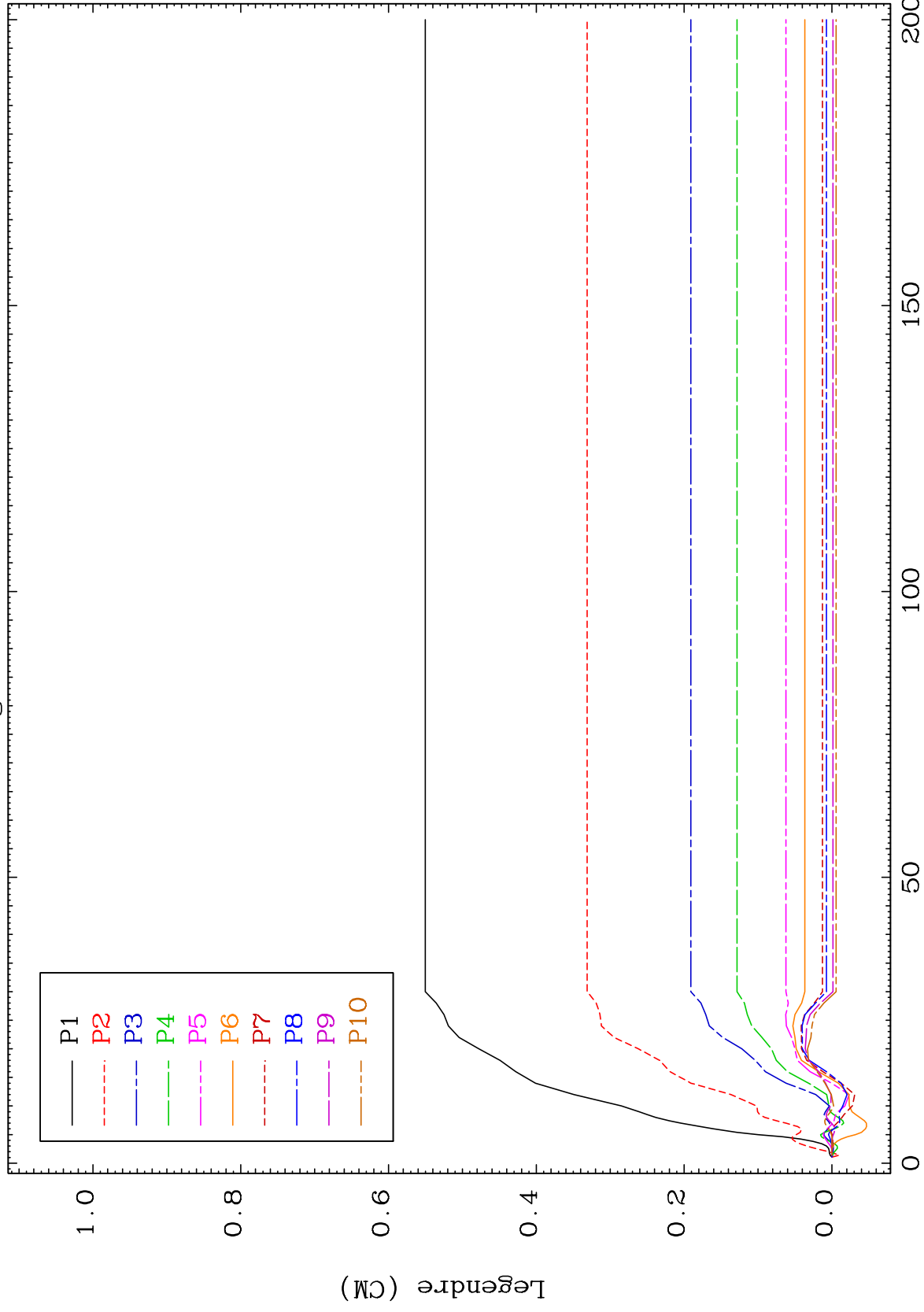
84-Po-198



MAT 8401

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

84-Po-198



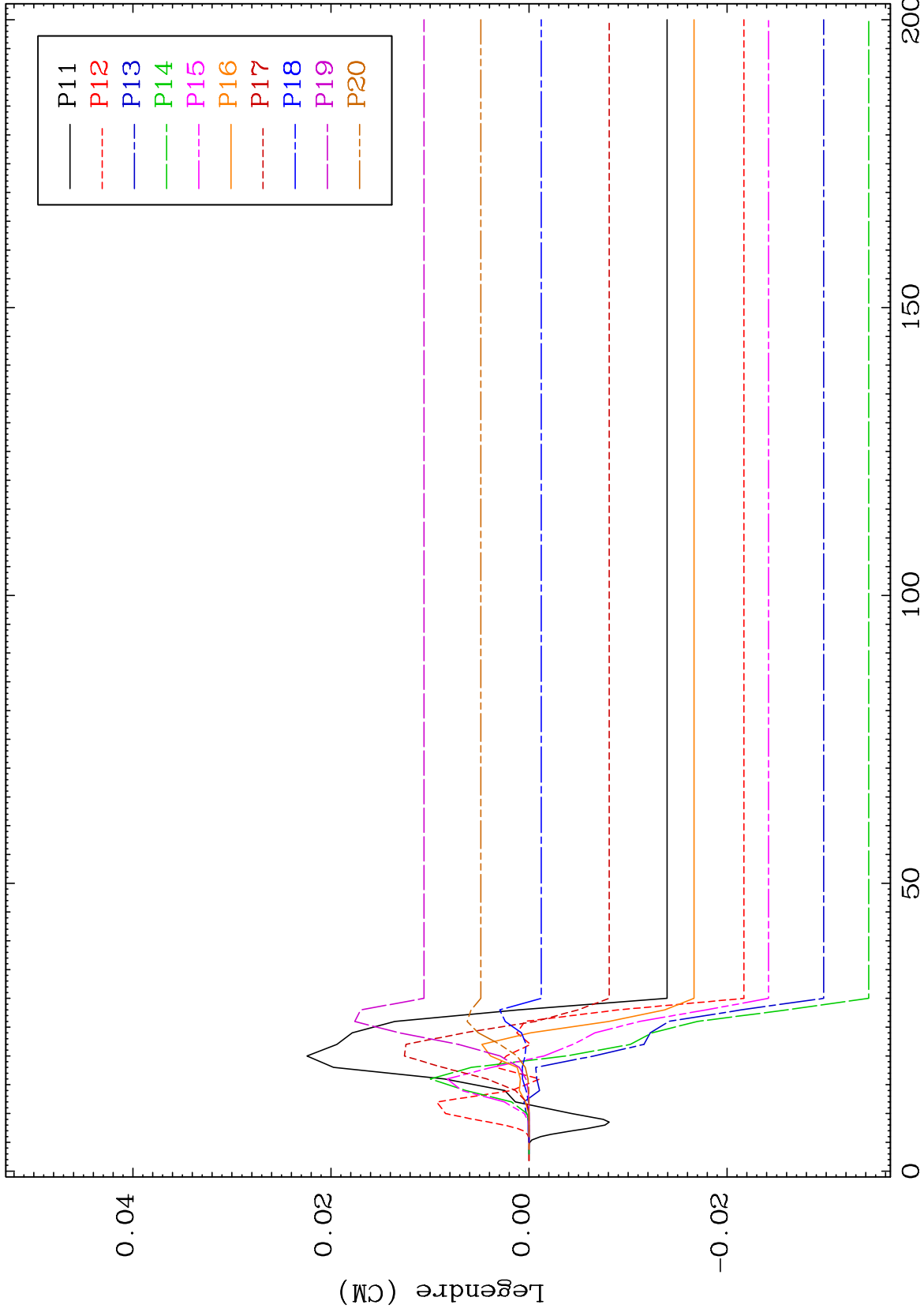
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84-Po-198

MAT 8401

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

84-Po-198



30

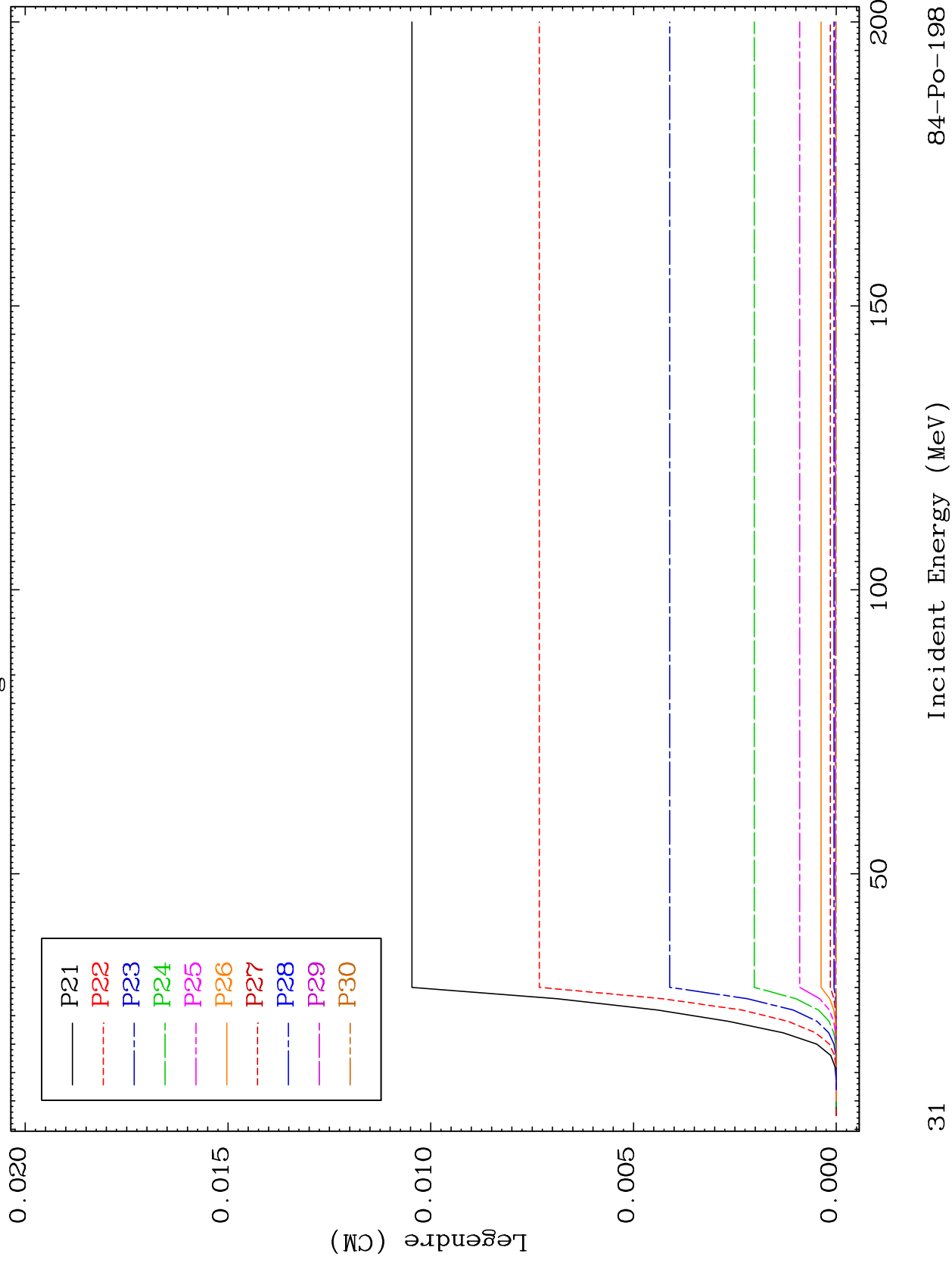
Incident Energy (MeV)

84-Po-198

MAT 8401

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

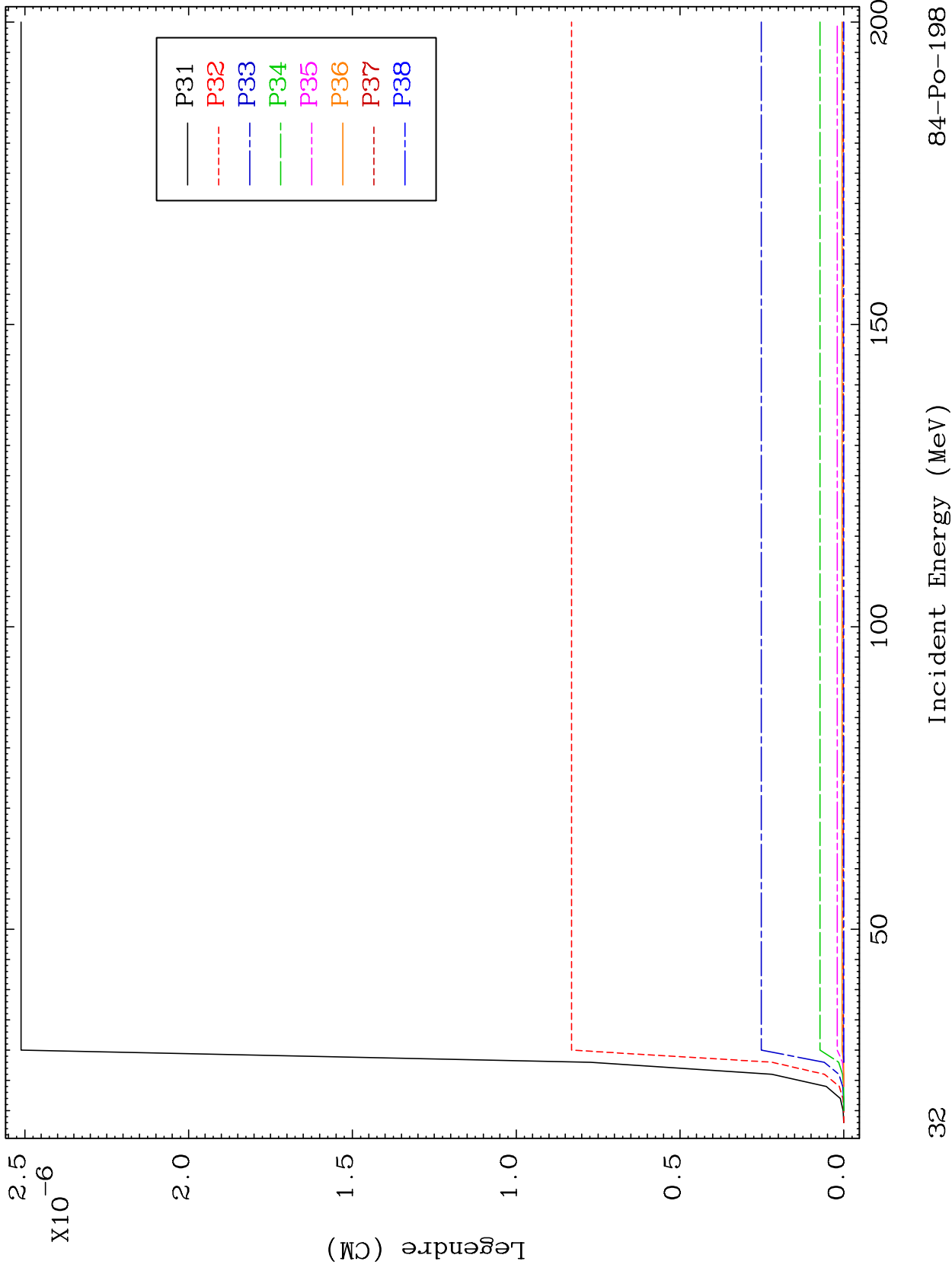
84-Po-198



MAT 8401

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

84-Po-198



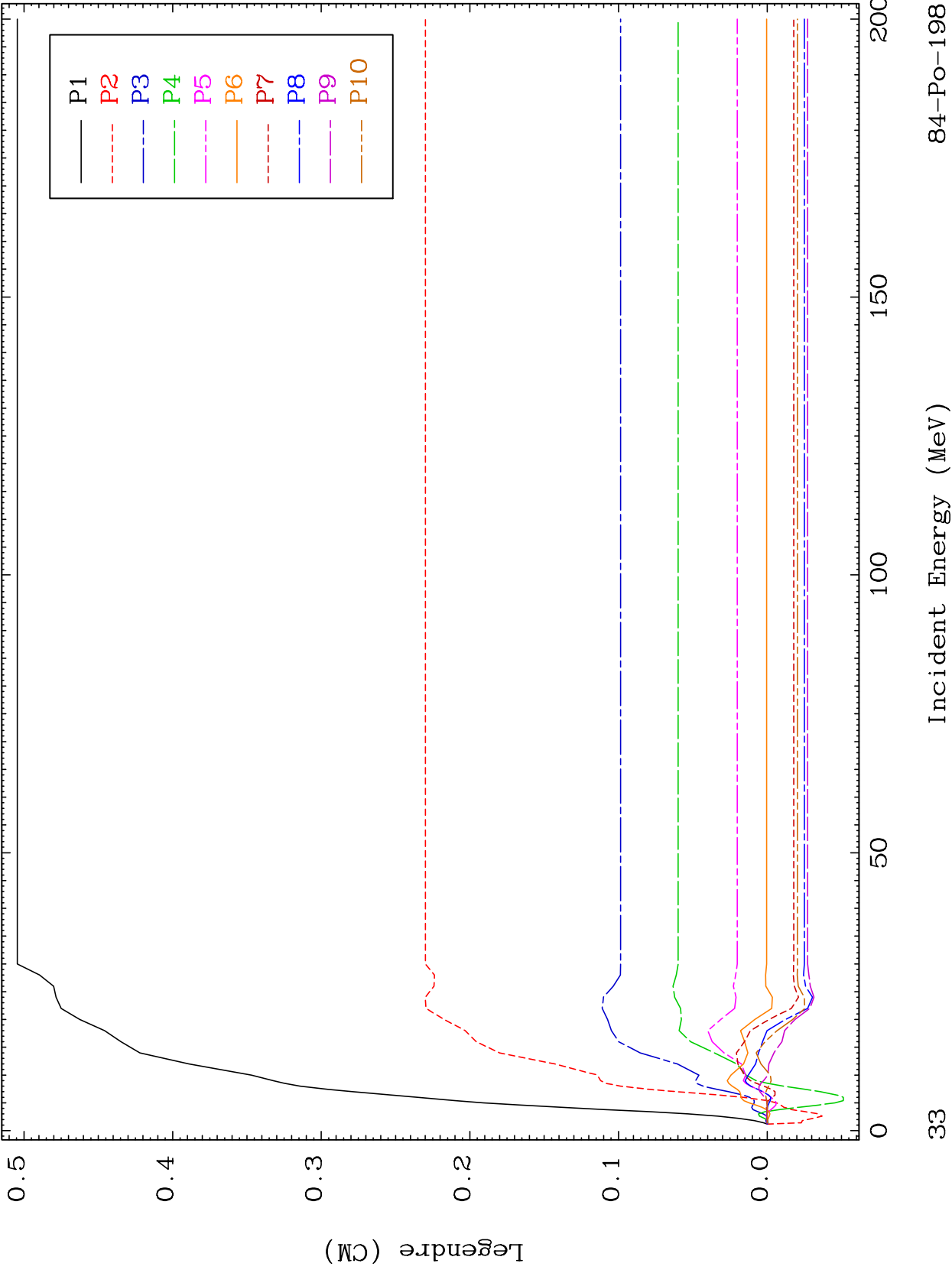
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84-Po-198

MAT 8401

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

84-Po-198



33

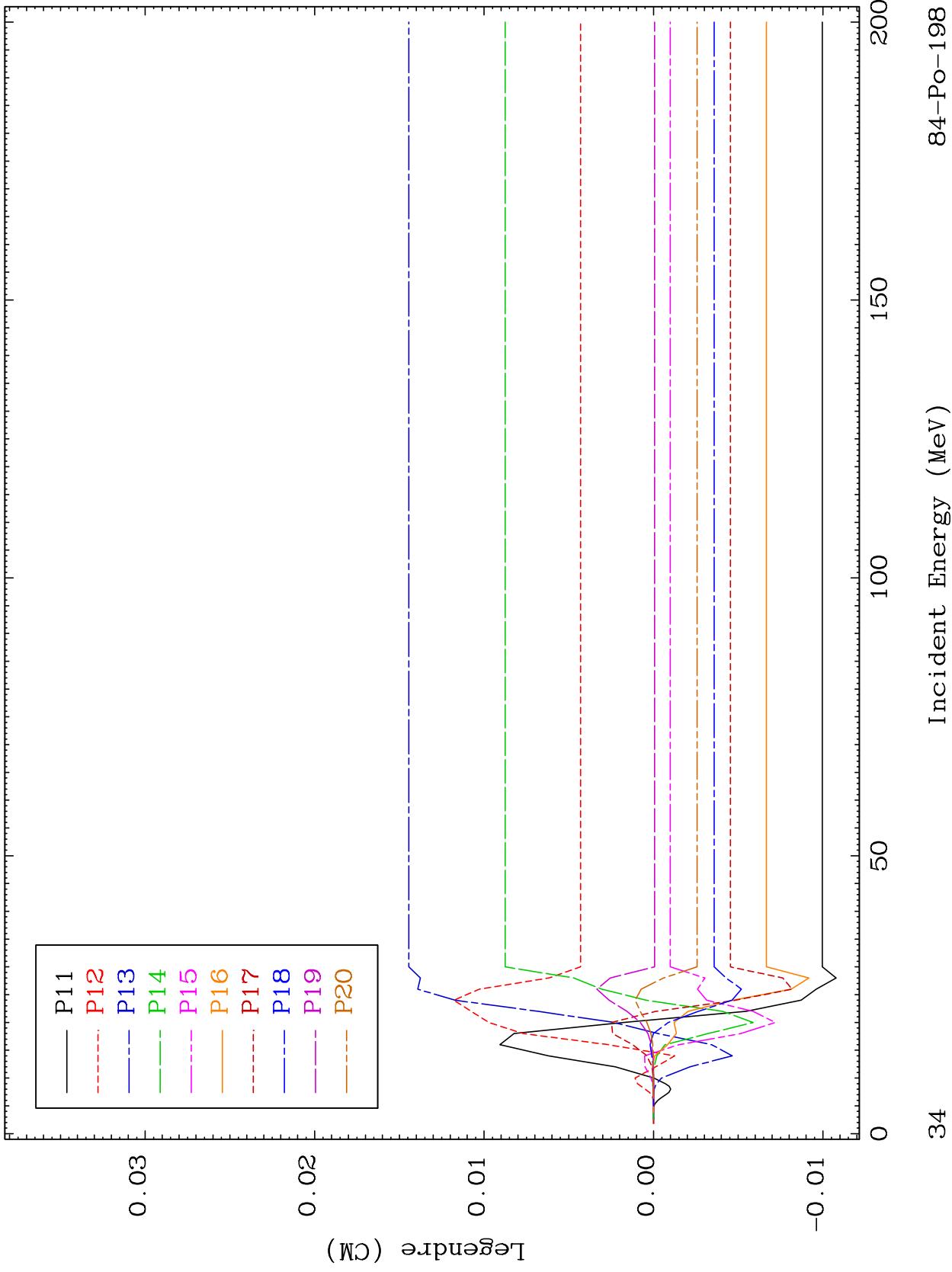
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



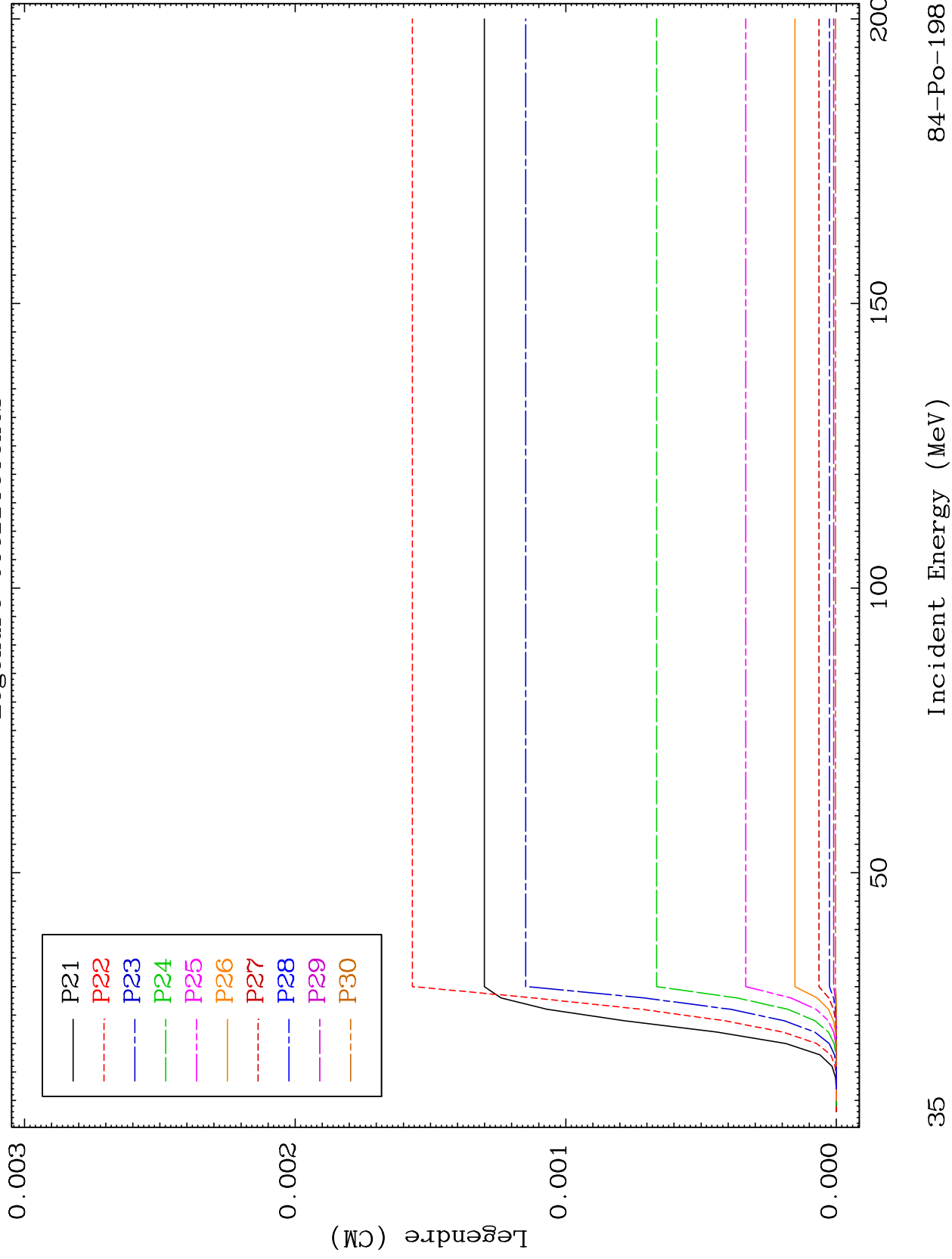
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84-Po-198

MAT 8401

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

84-Po-198



35

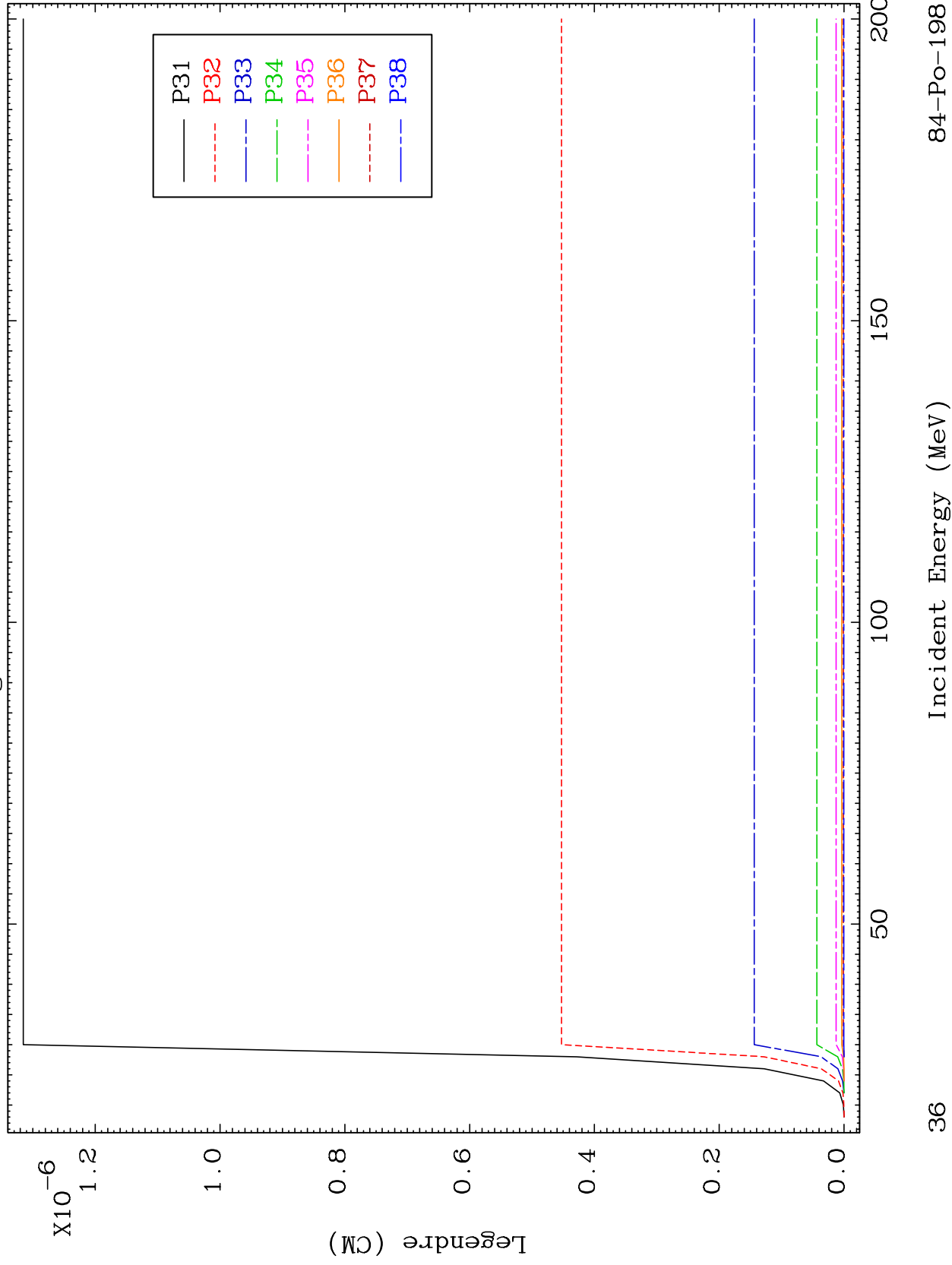
Incident Energy (MeV)

84-Po-198

MAT 8401

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

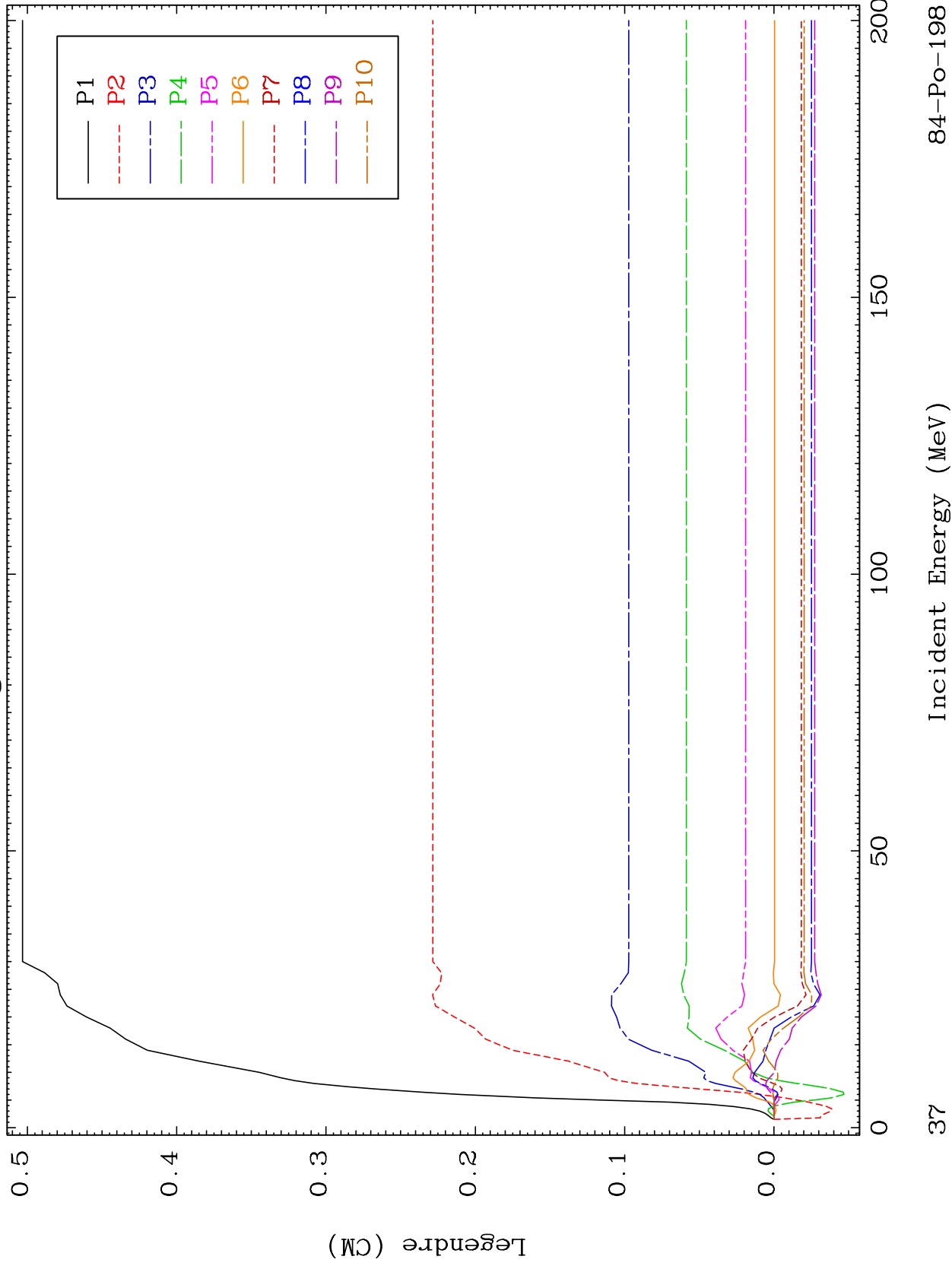
84-Po-198



MAT 8401

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

84-Po-198



84-Po-198

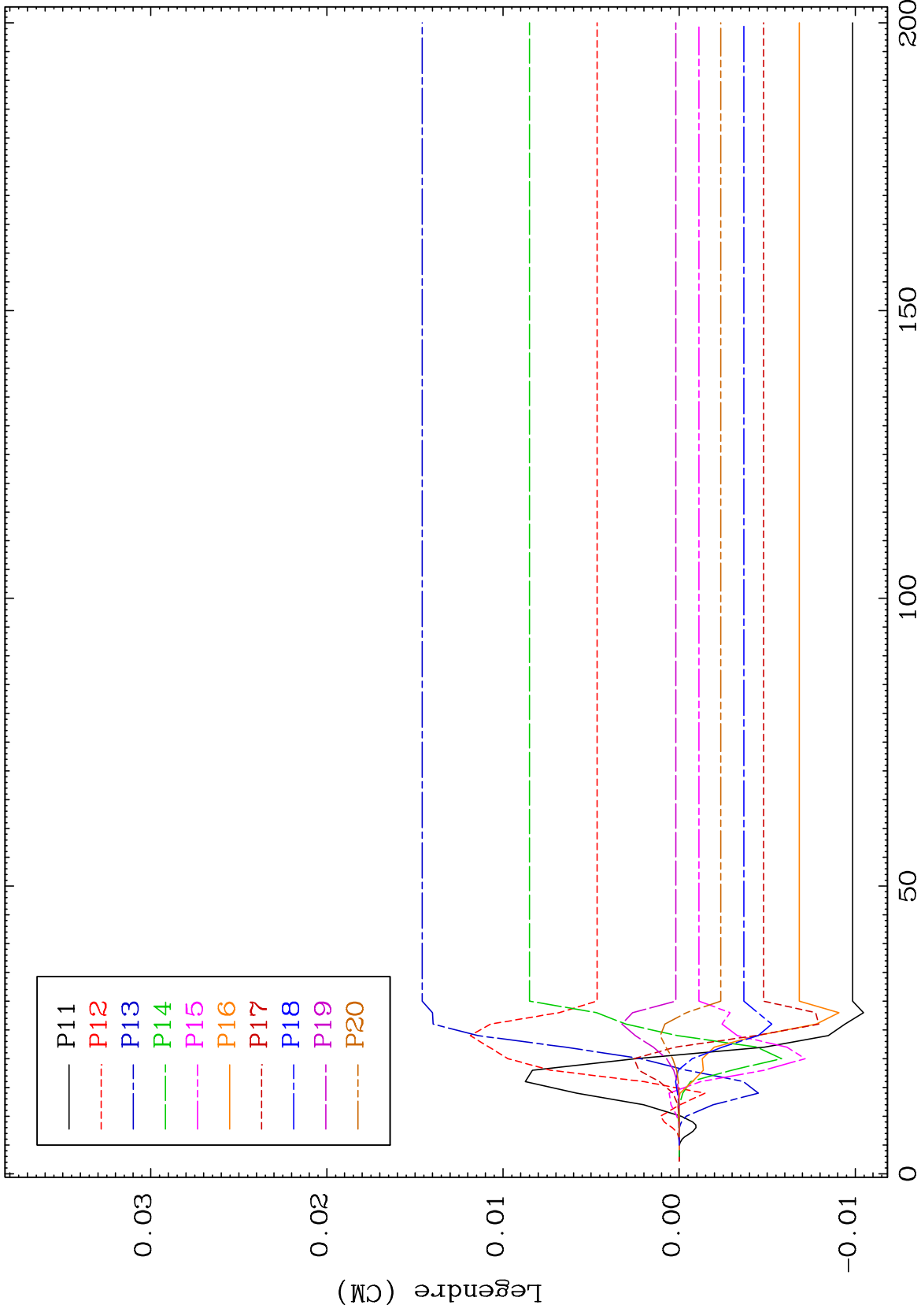
Incident Energy (MeV)

37

MAT 8401

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

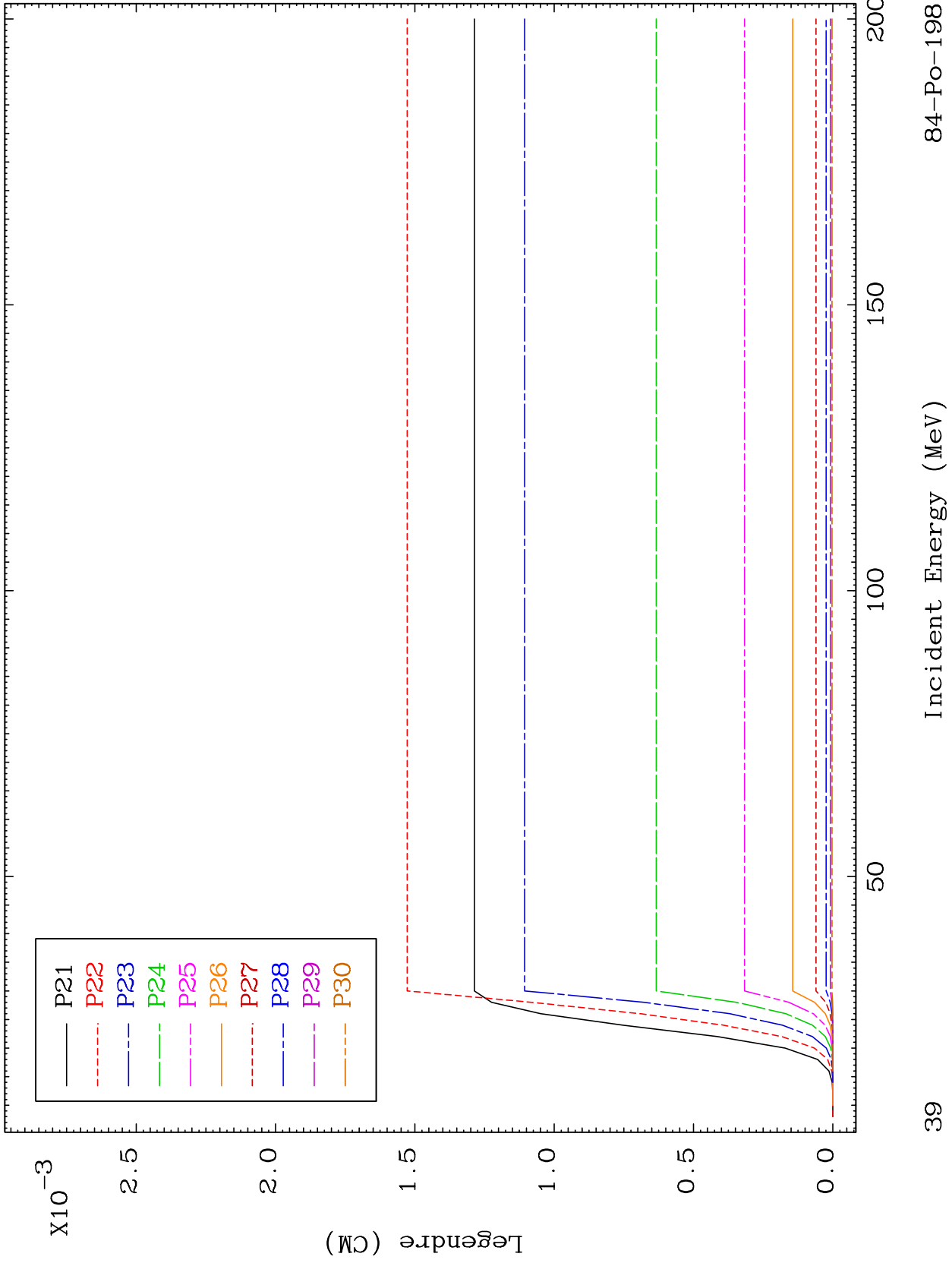
84-Po-198



38

Incident Energy (MeV)

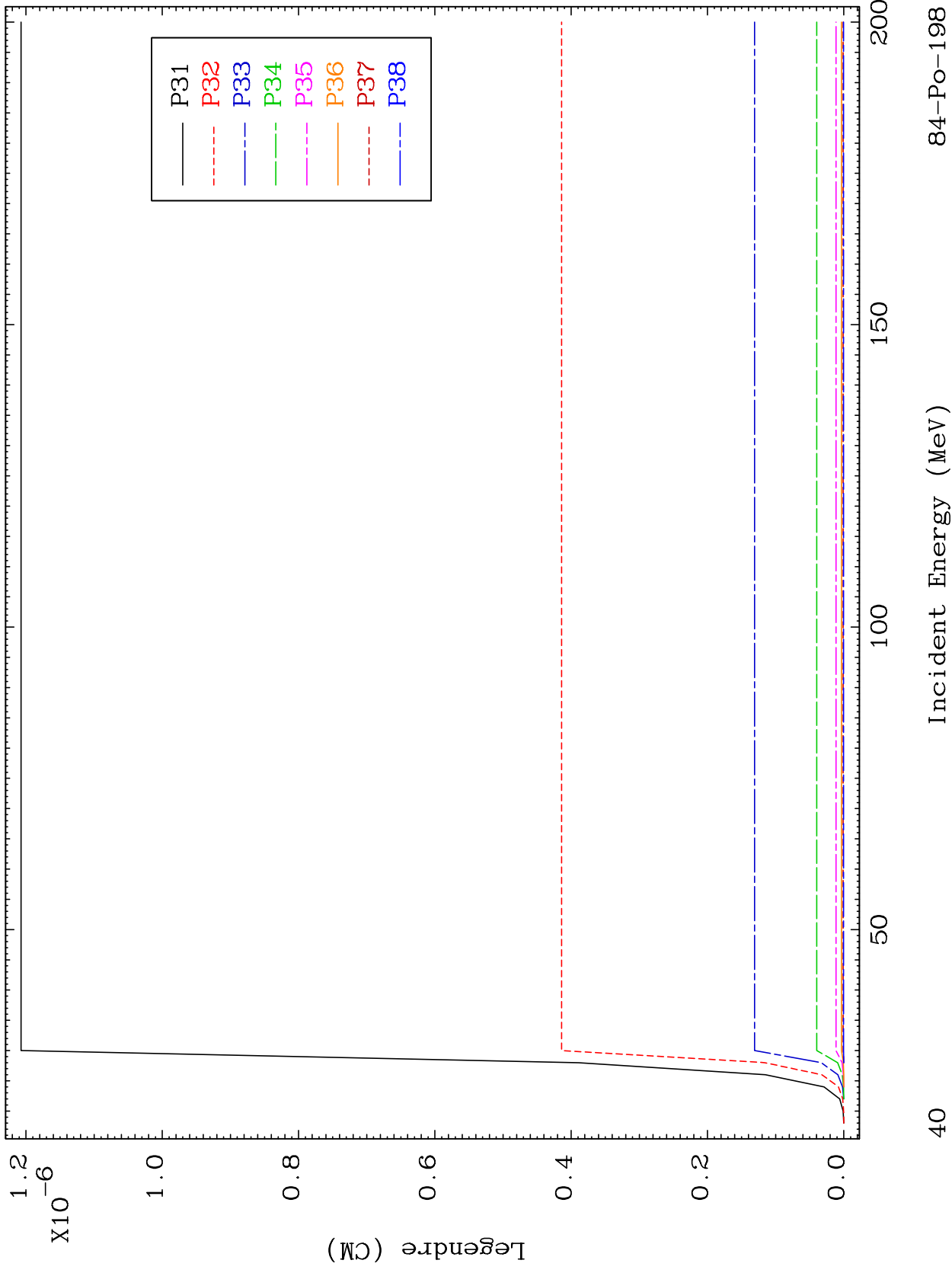
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MAT 8401

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

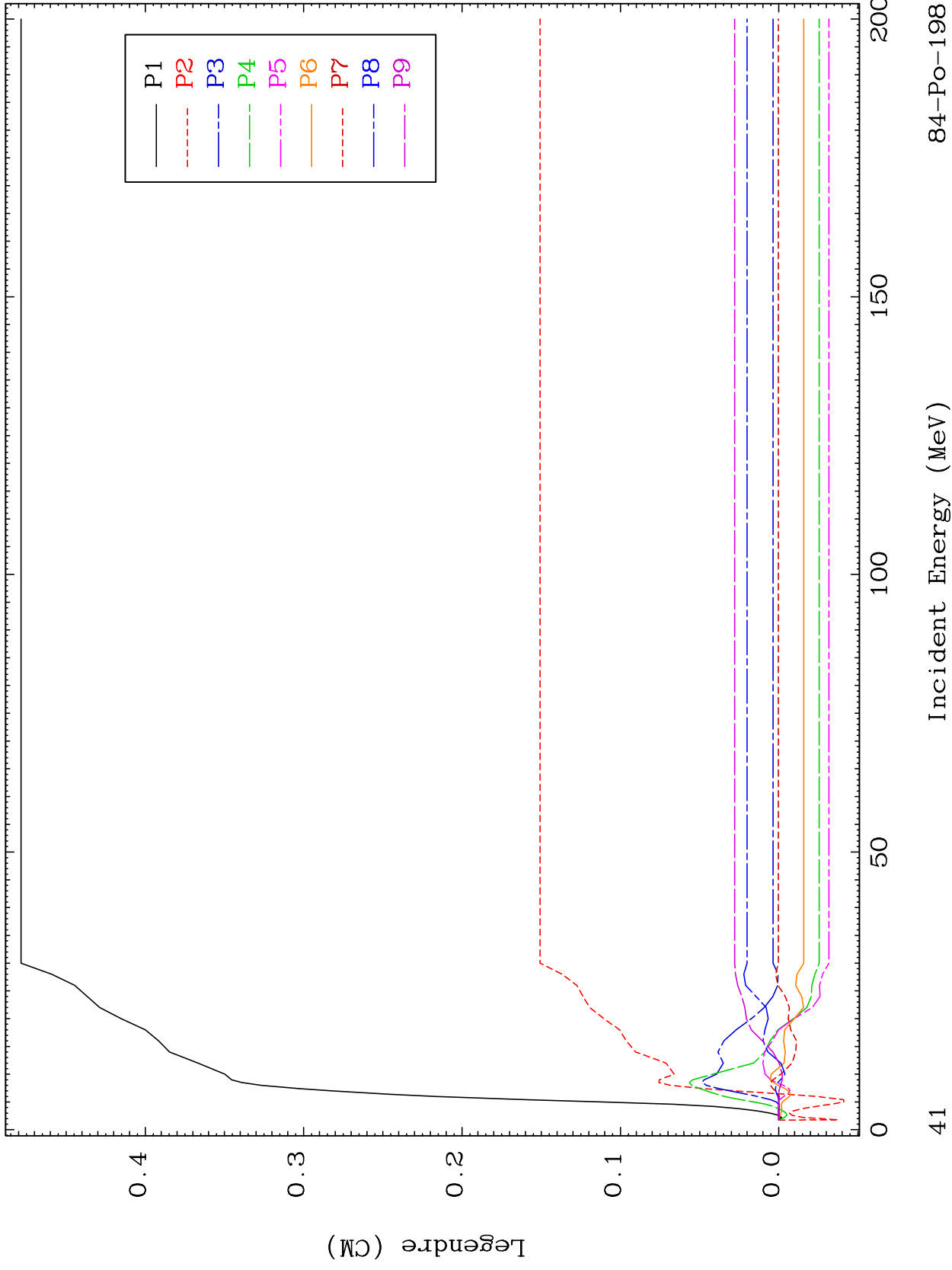
84-Po-198



MAT 8401

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

84-Po-198



41

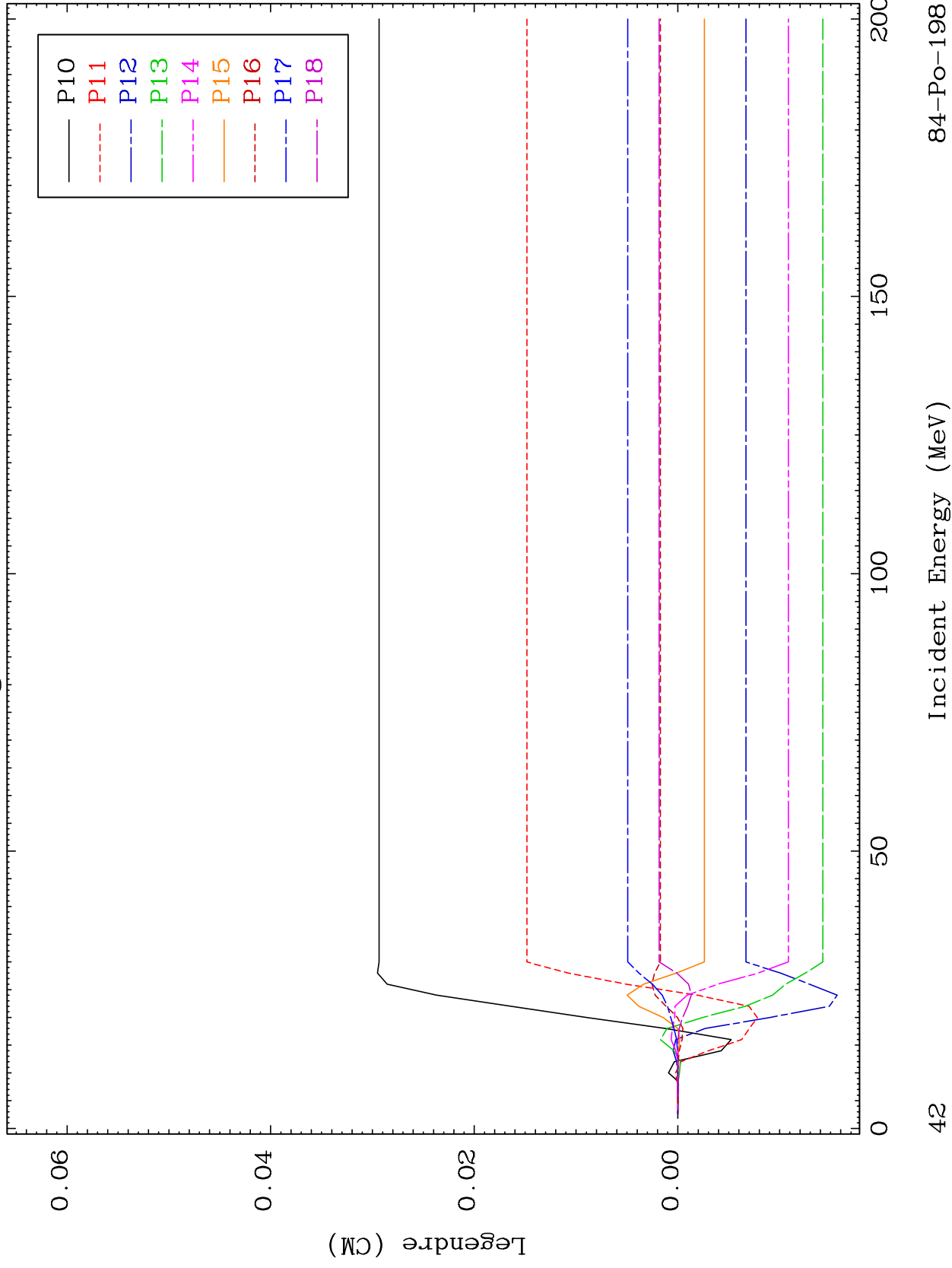
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



84-Po-198

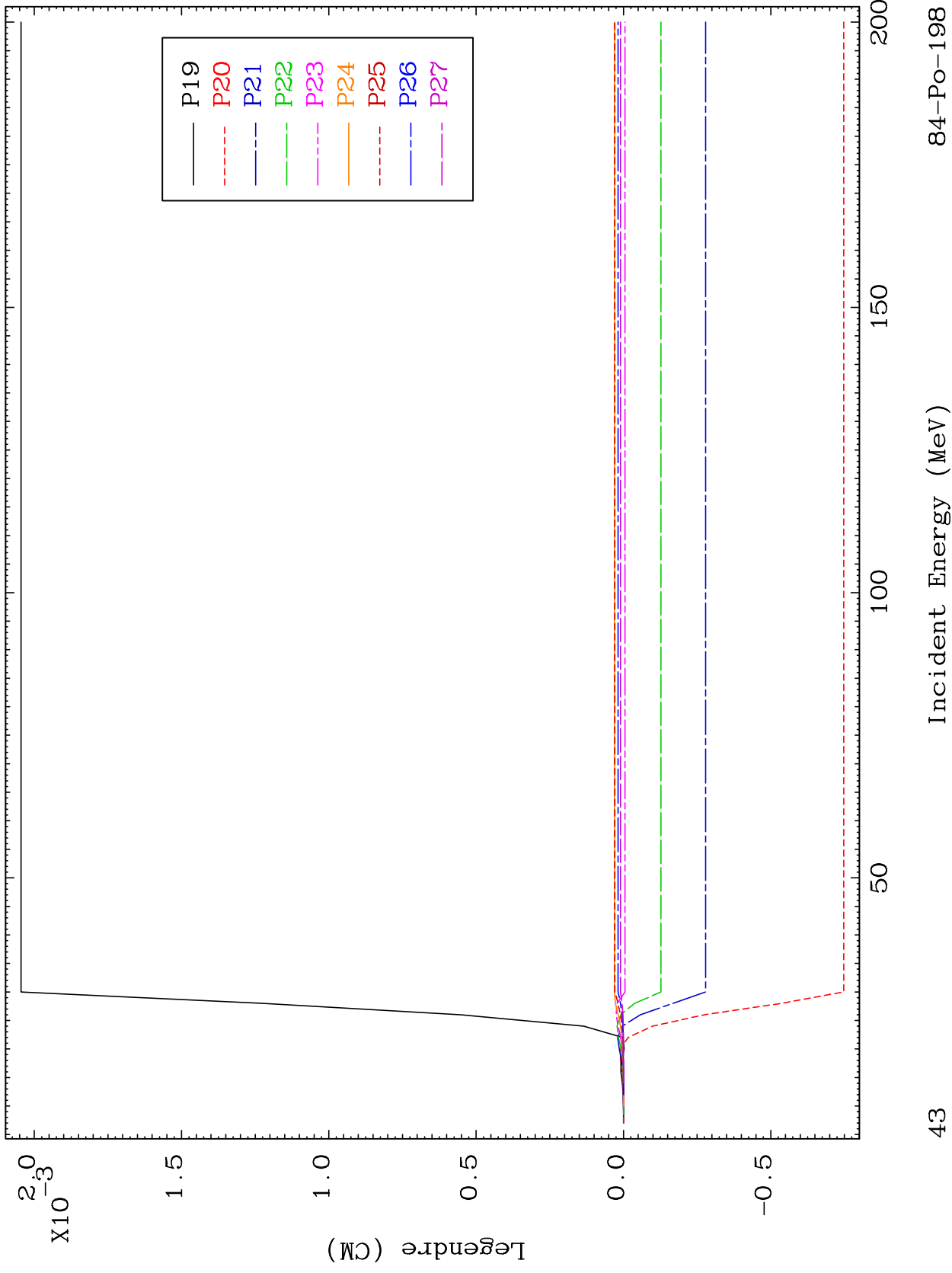
Incident Energy (MeV)

42

MAT 8401

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

84-Po-198



43

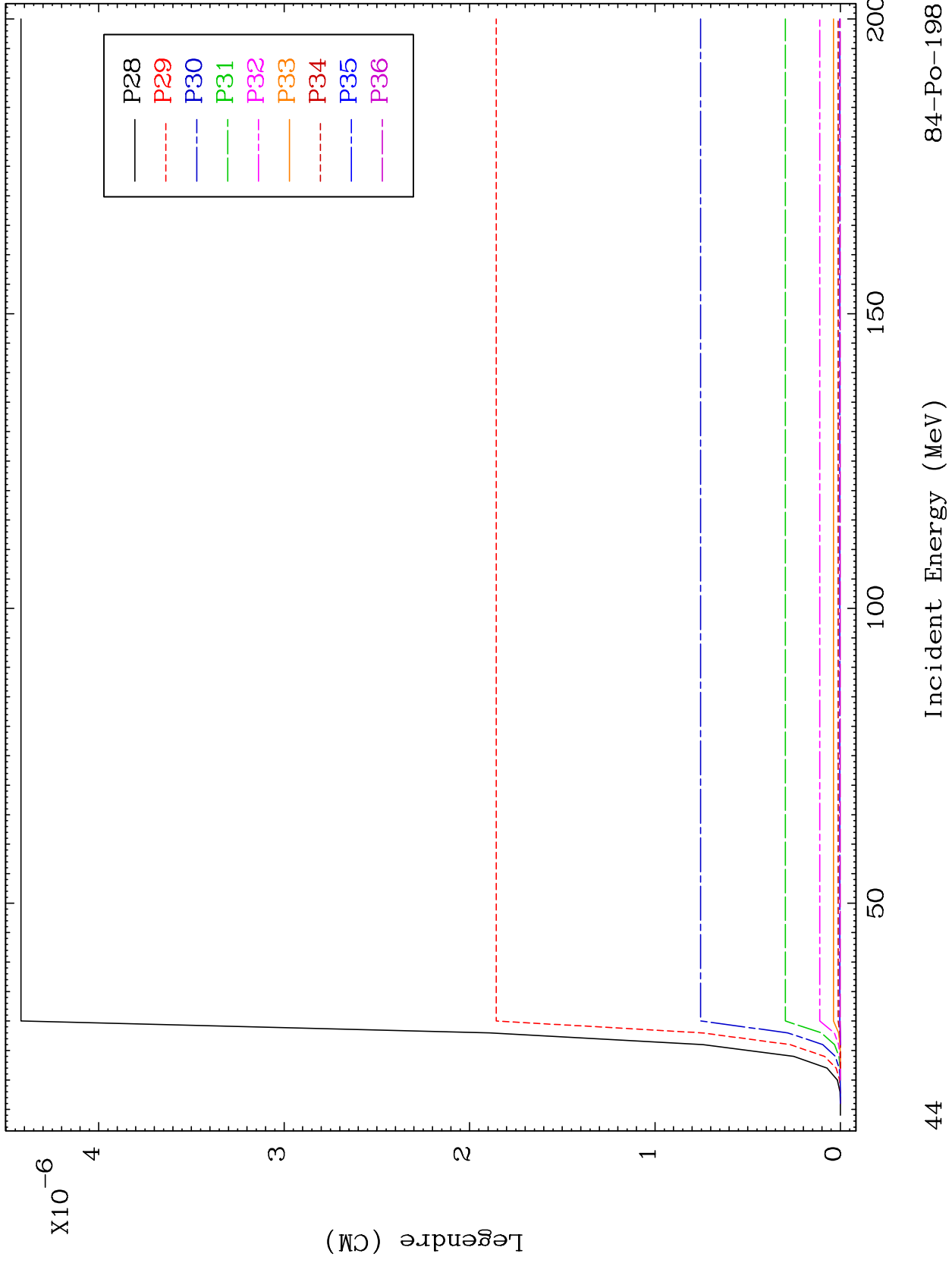
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



44

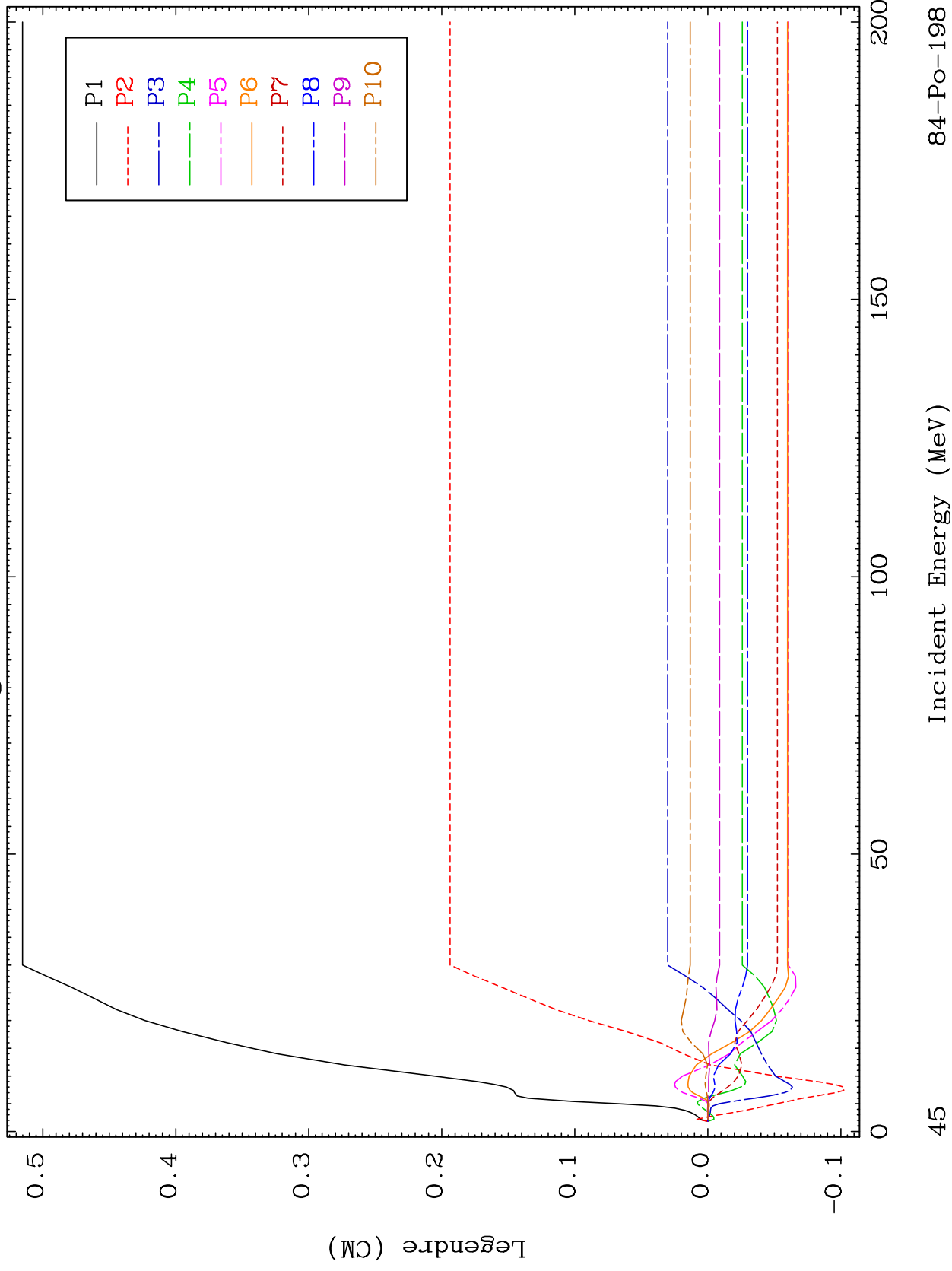
Incident Energy (MeV)

84-Po-198

MAT 8401

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

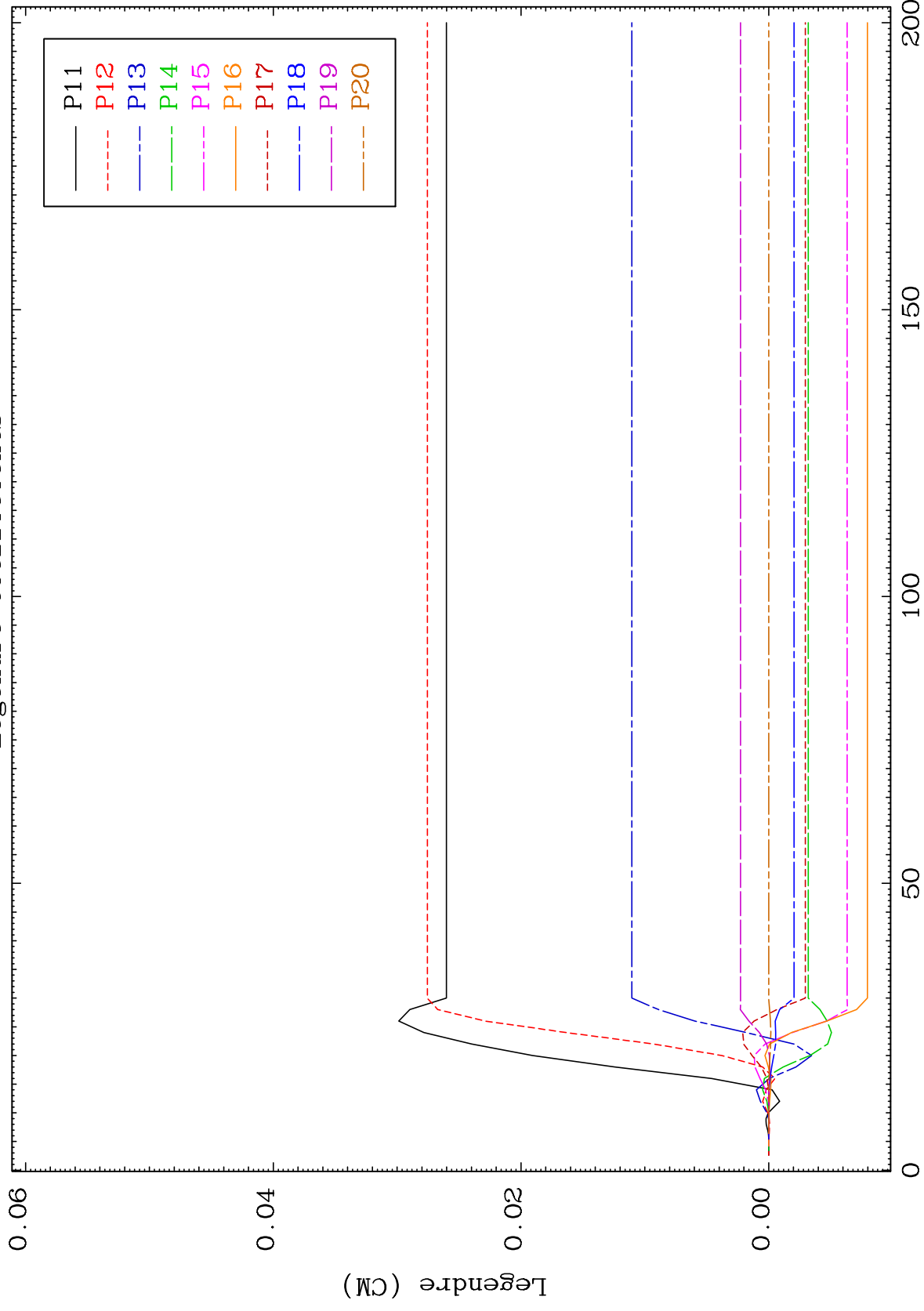
84-Po-198



MAT 8401

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

84-Po-198



46

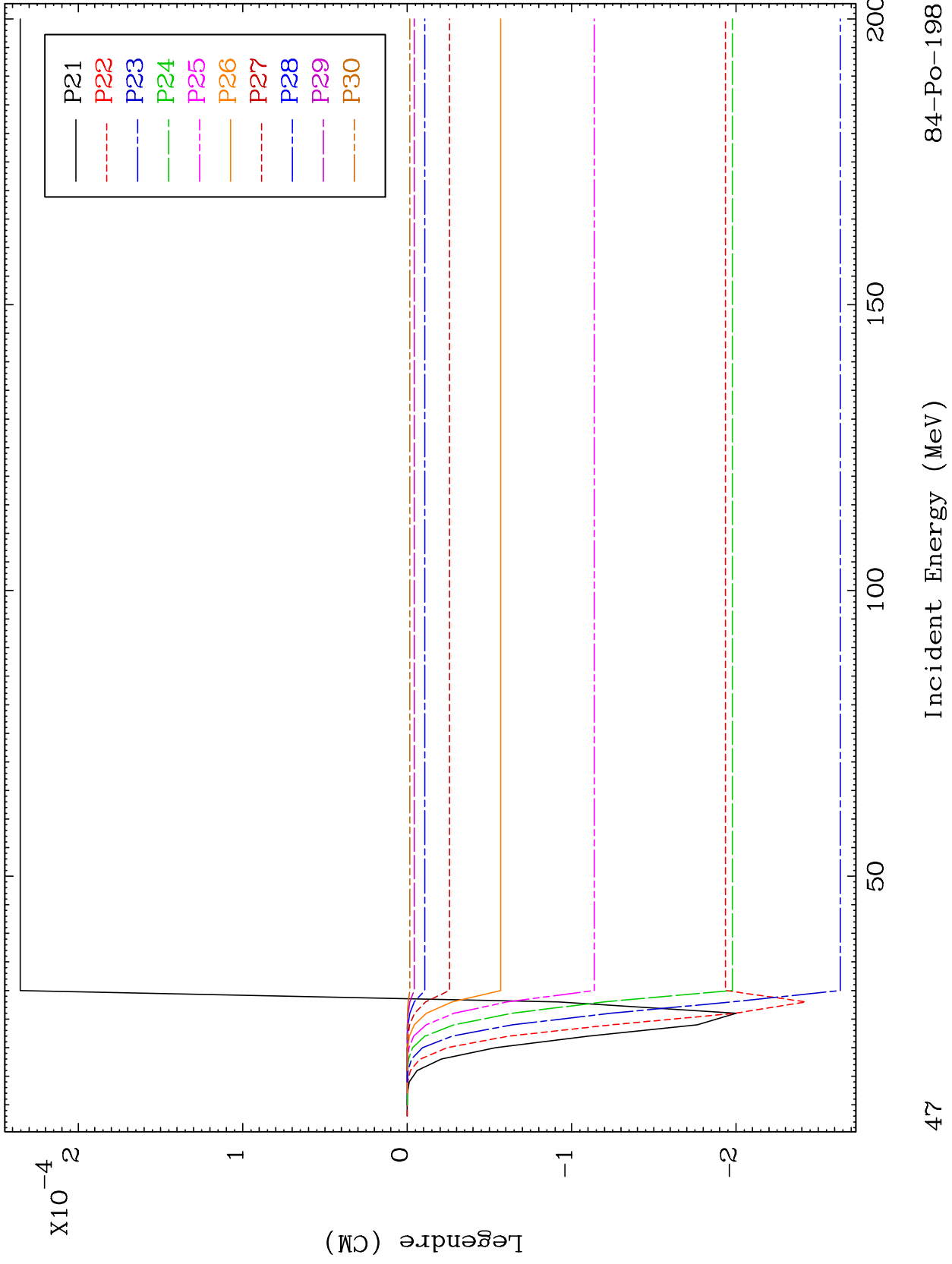
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



47

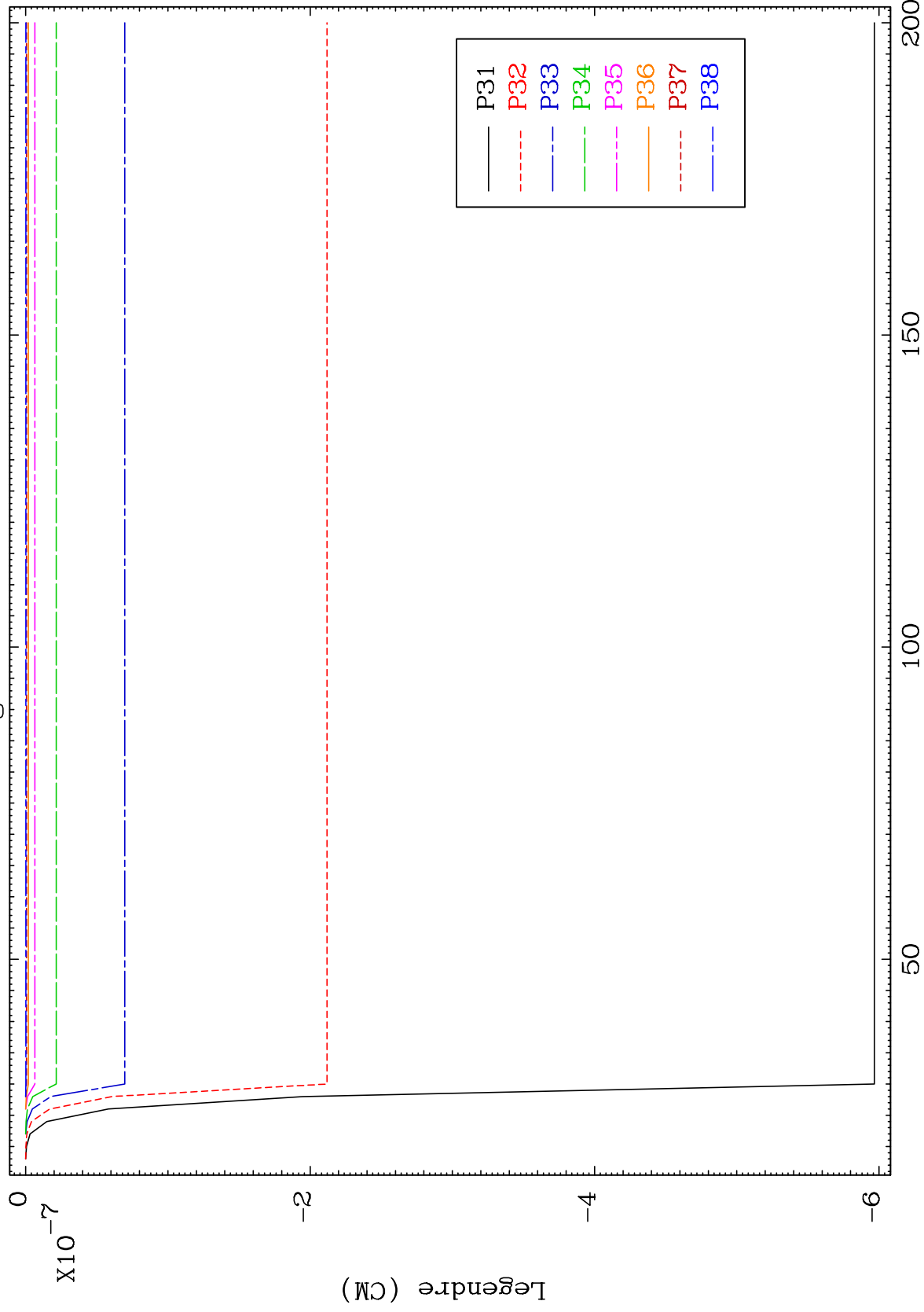
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



48

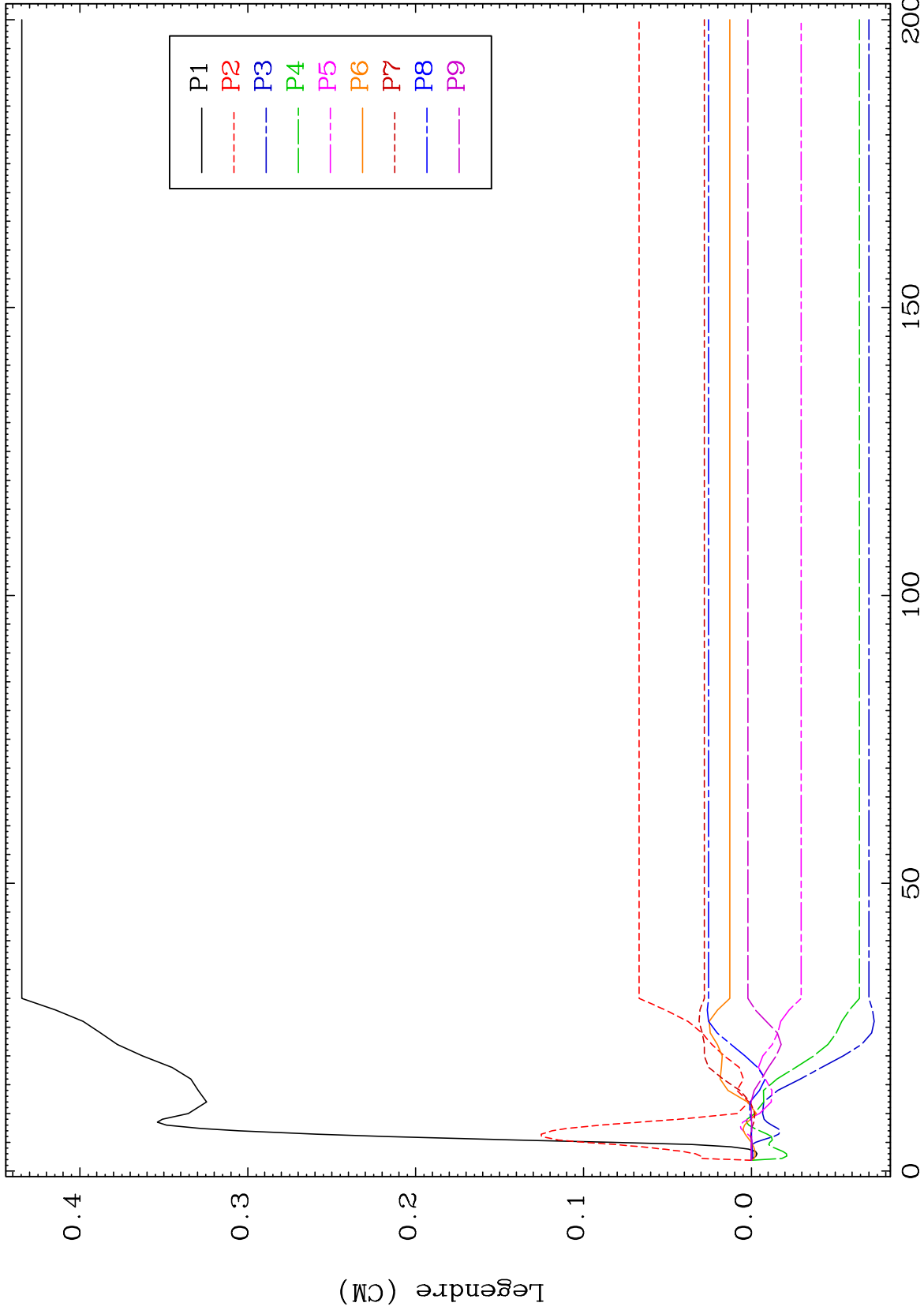
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



49

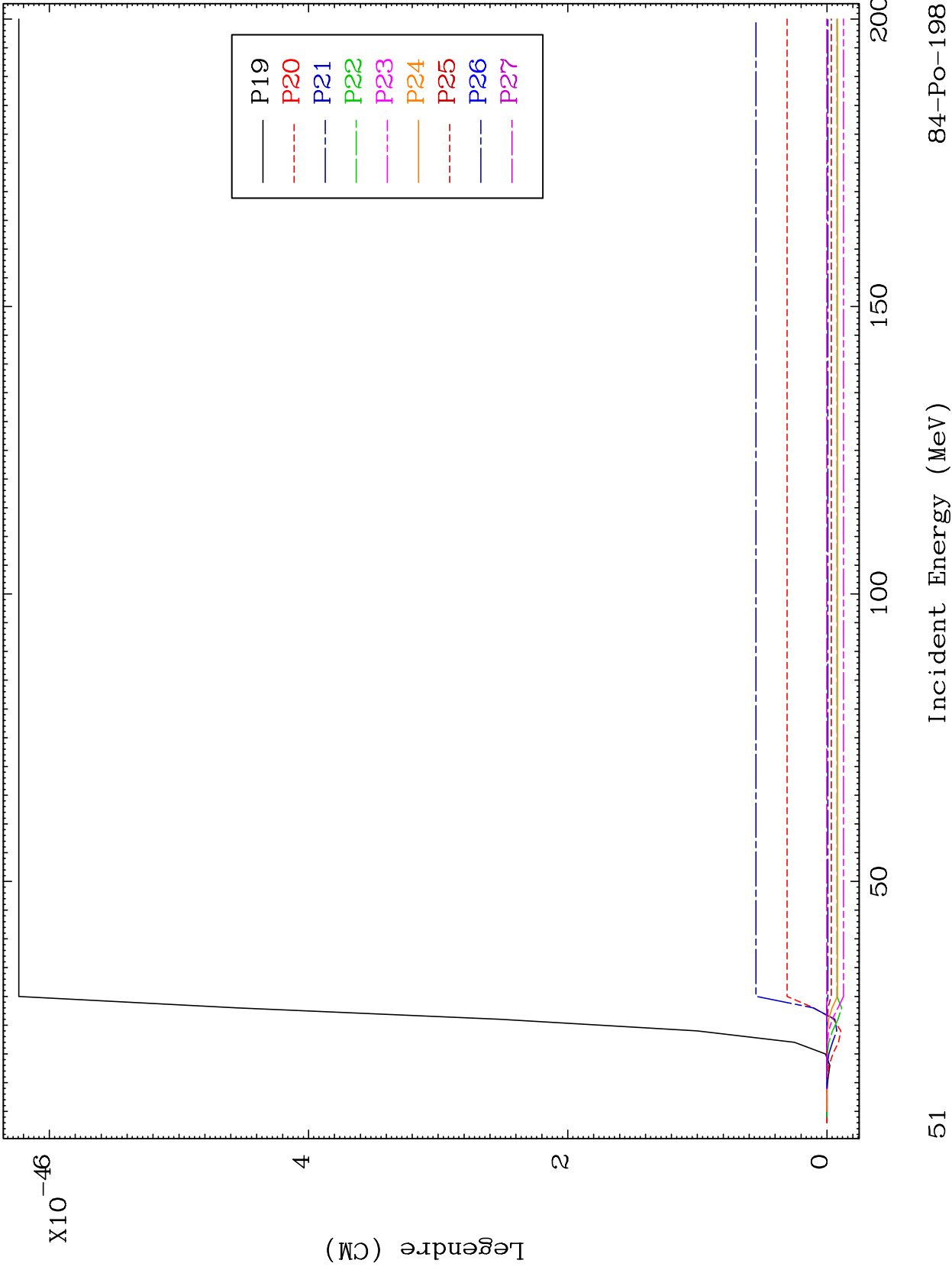
Incident Energy (MeV)

84-Po-198

MAT 8401

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

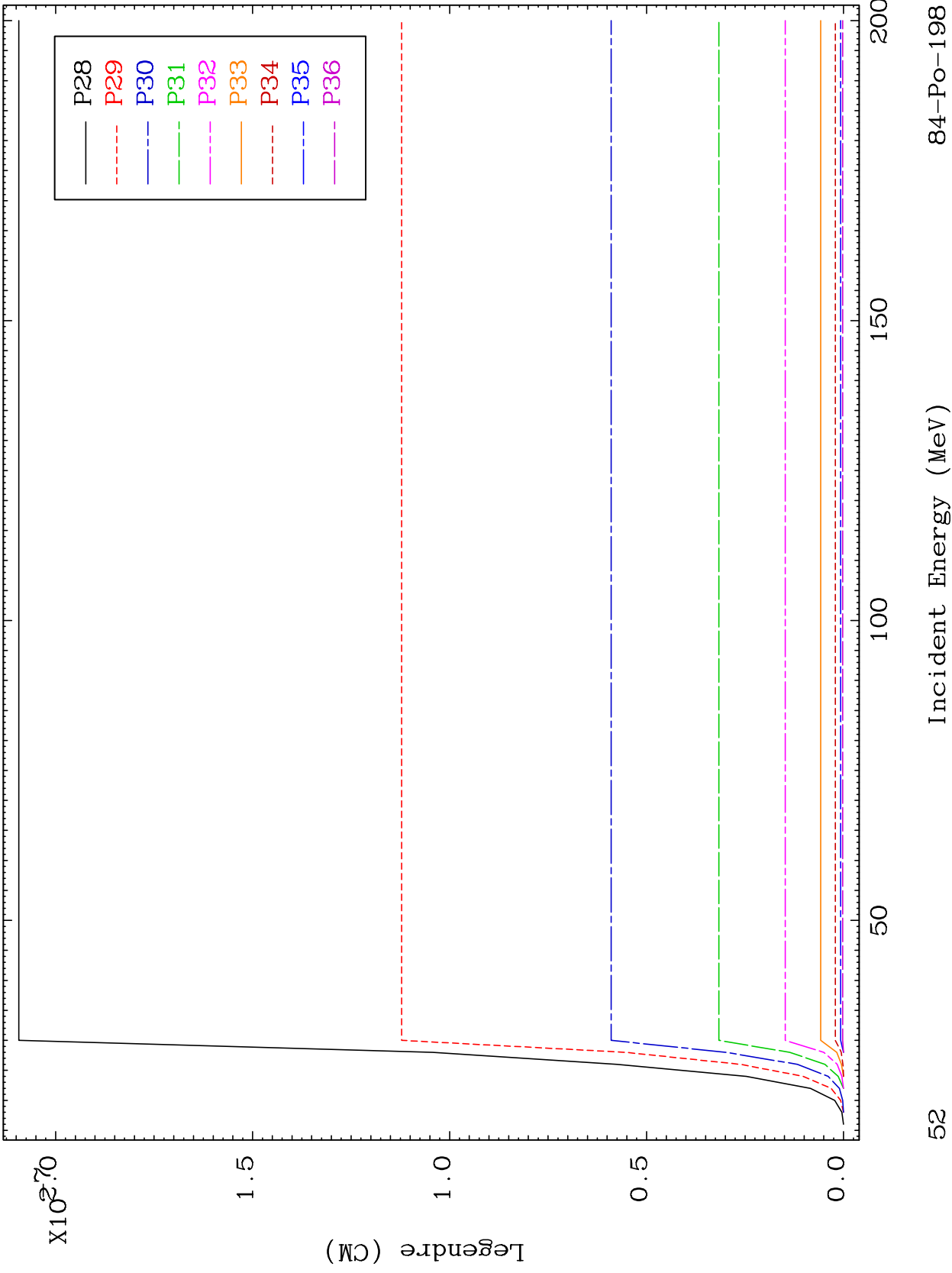
84-Po-198



MAT 8401

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

84-Po-198



52

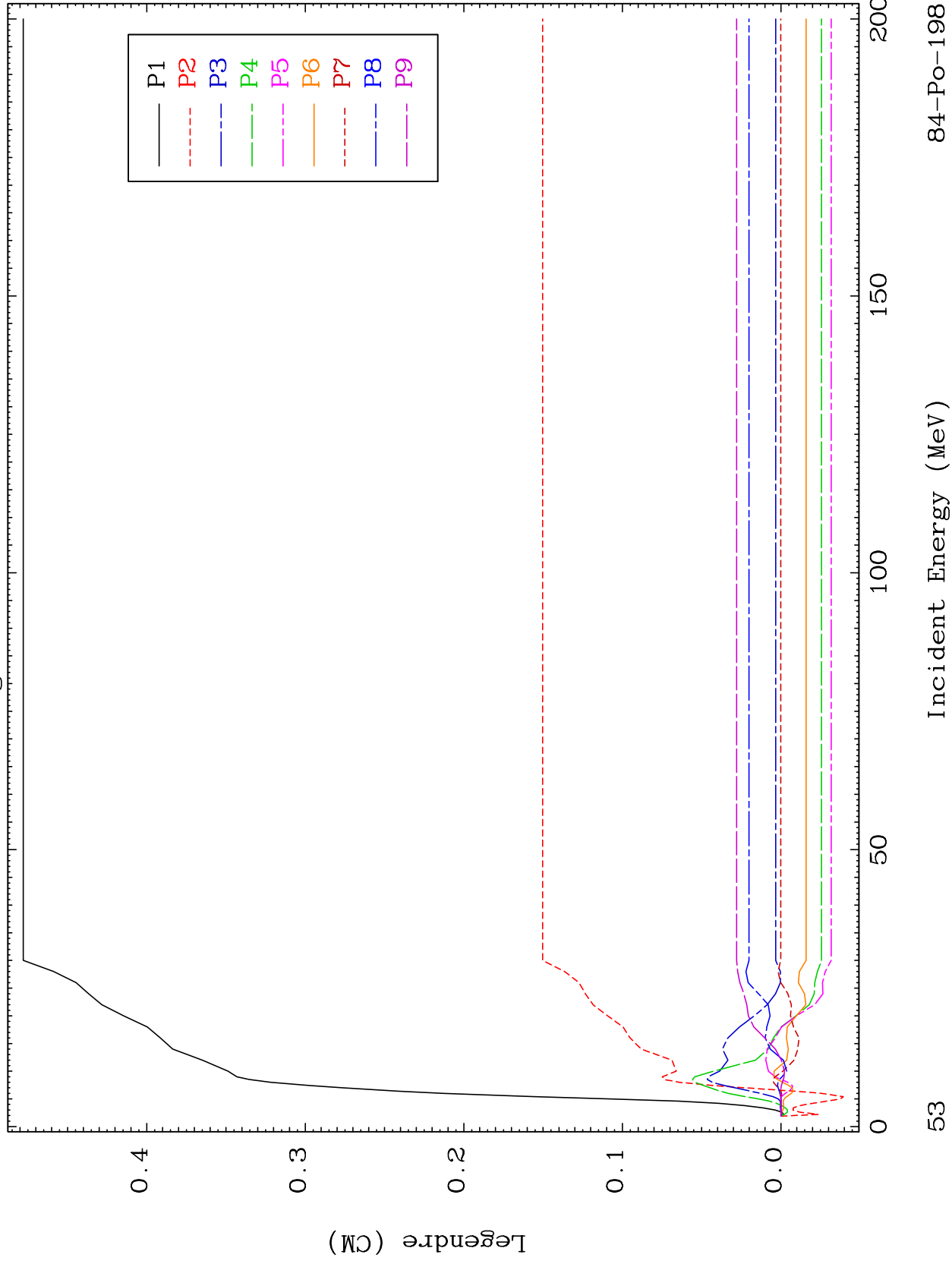
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



84-Po-198

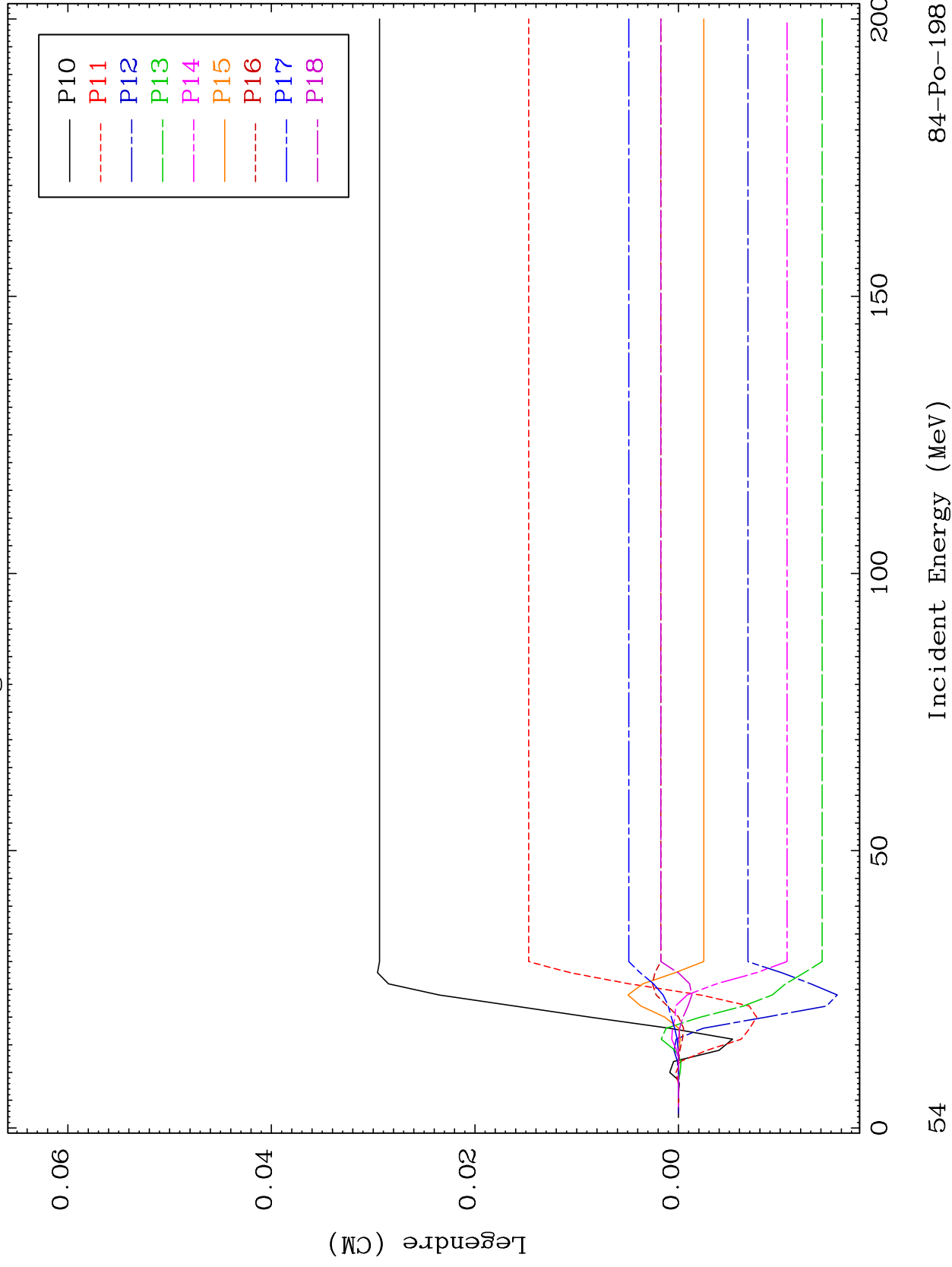
Incident Energy (MeV)

53

MAT 8401

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

84-Po-198



84-Po-198

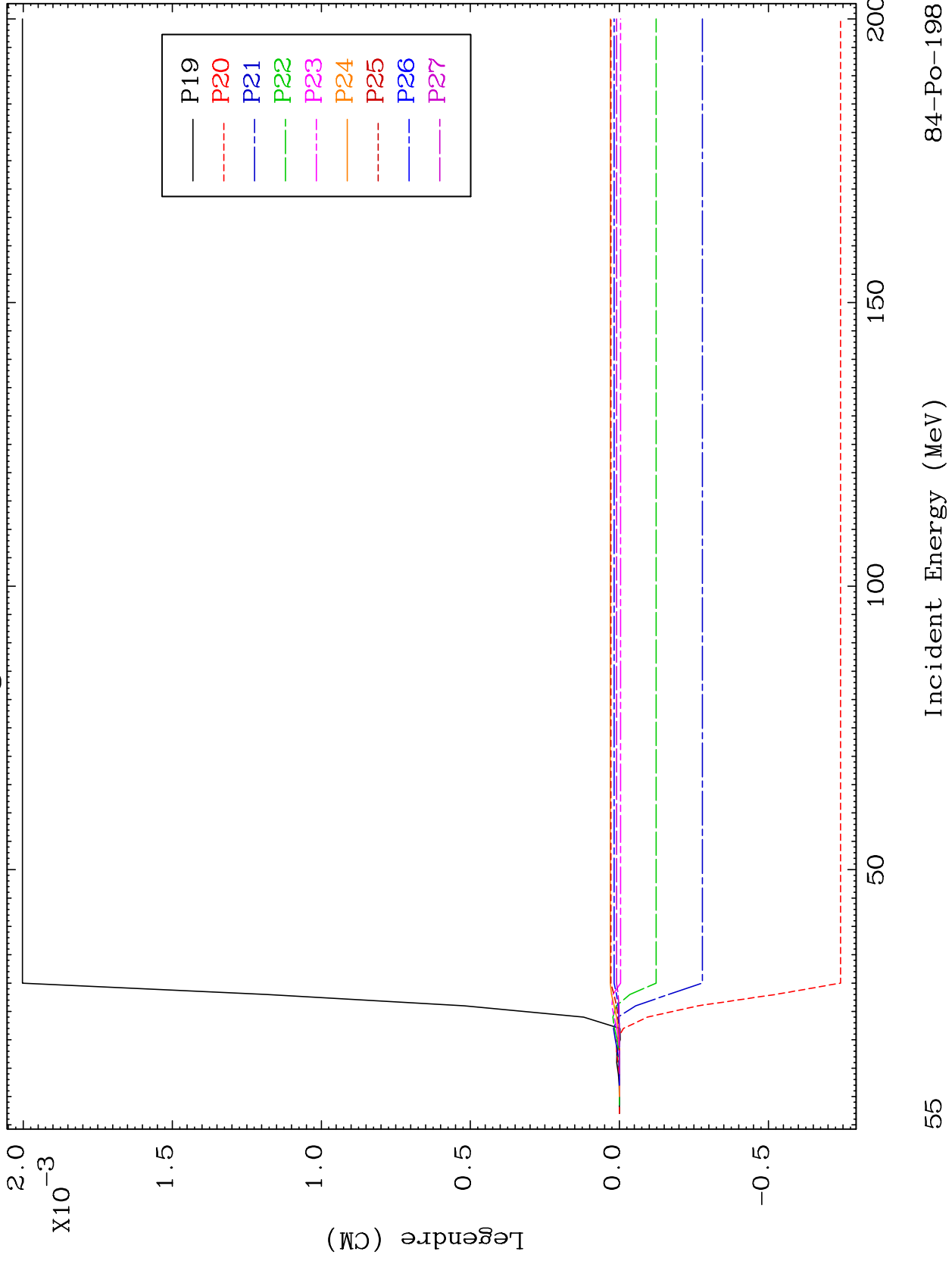
Incident Energy (MeV)

54

MAT 8401

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

84-Po-198



55

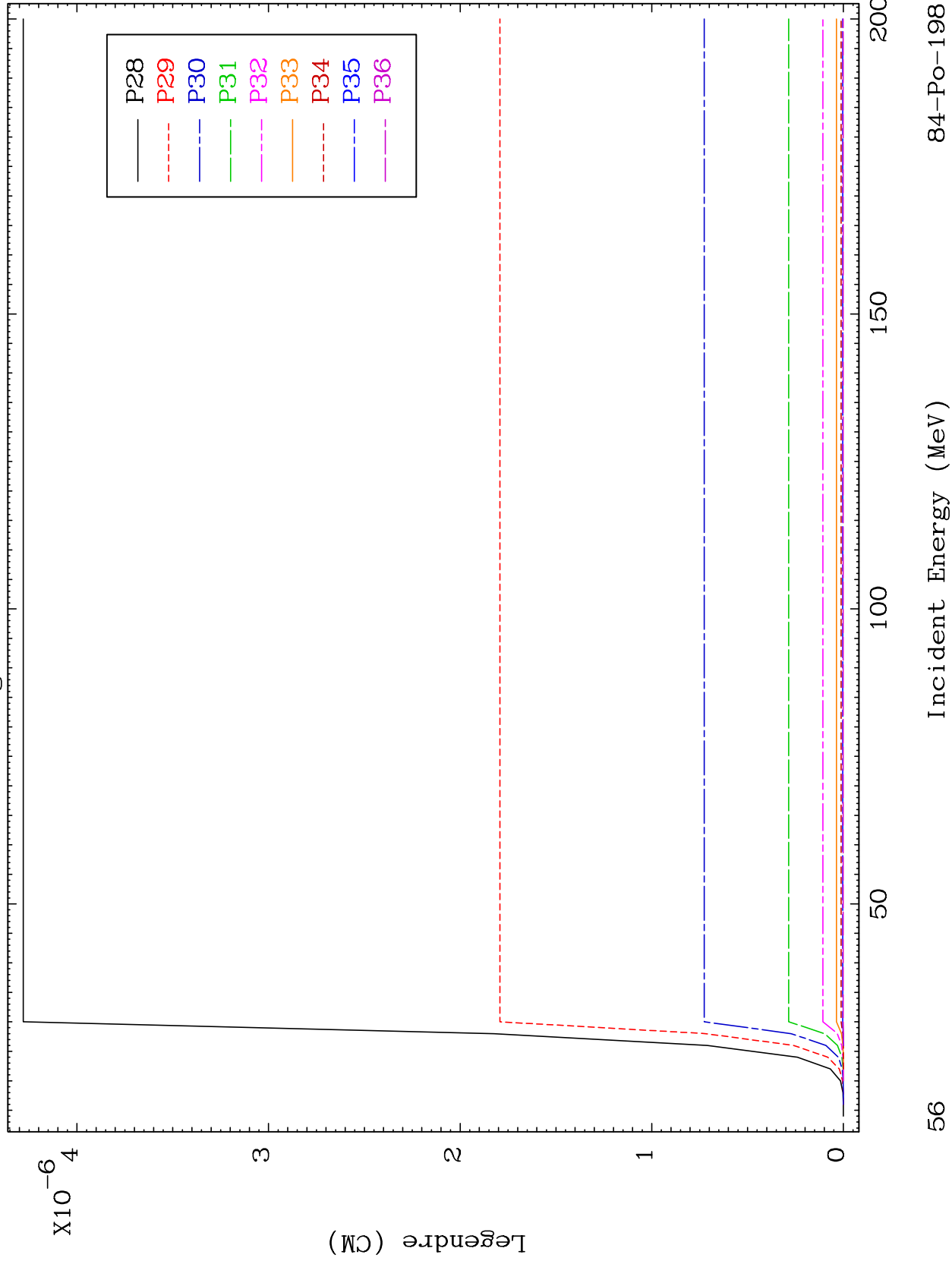
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



56

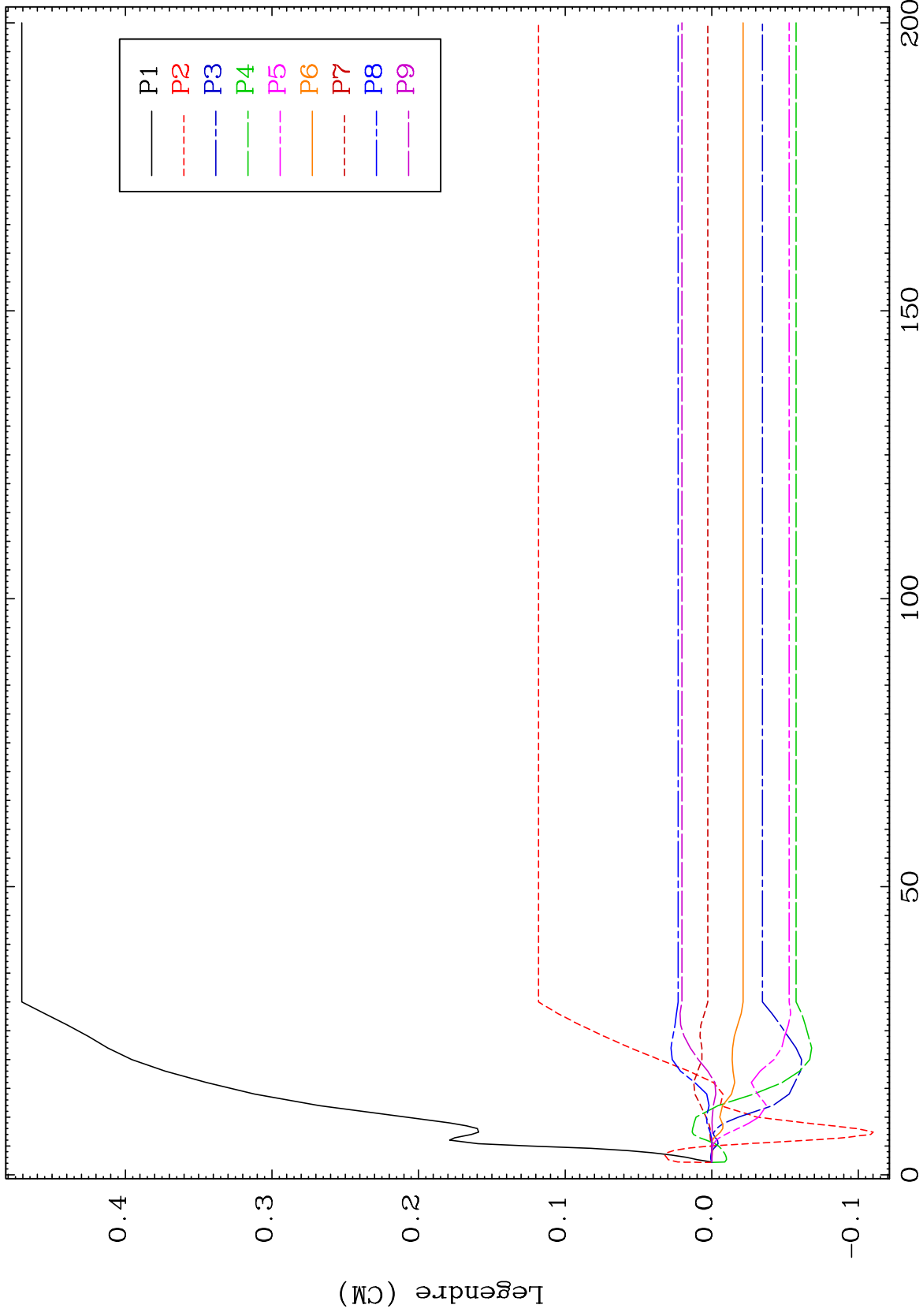
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



57

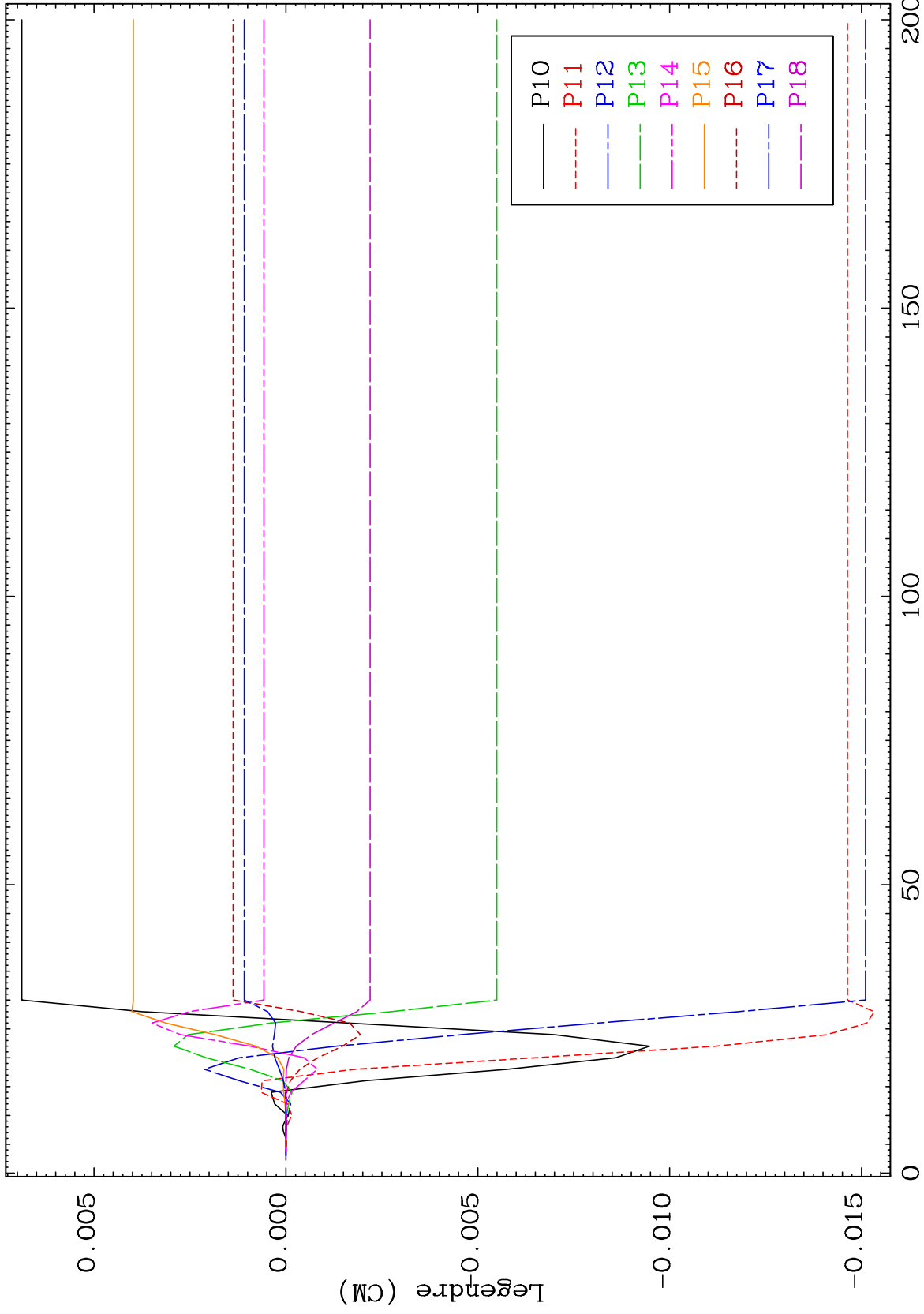
Incident Energy (MeV)

84-Po-198

MAT 8401

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

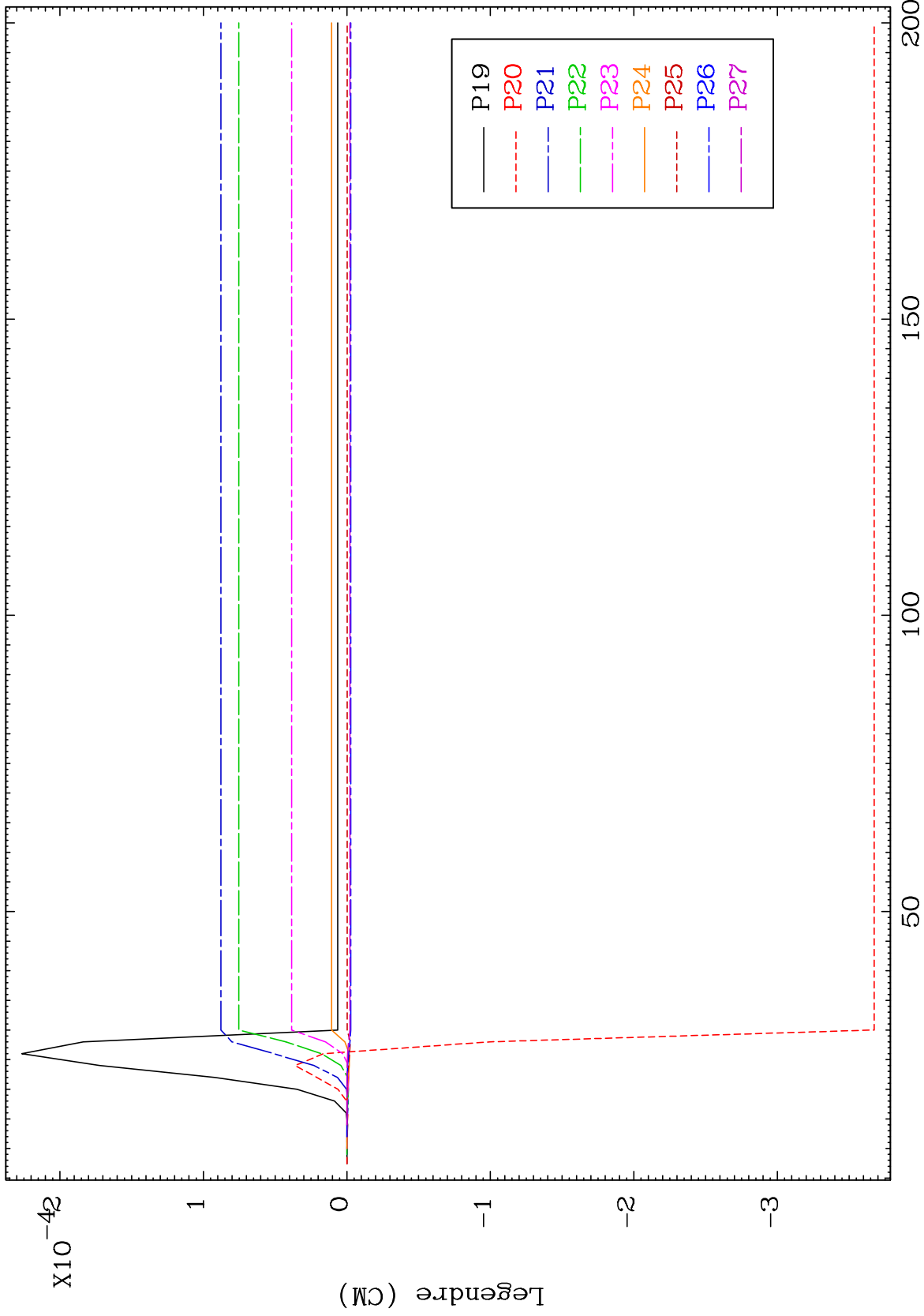
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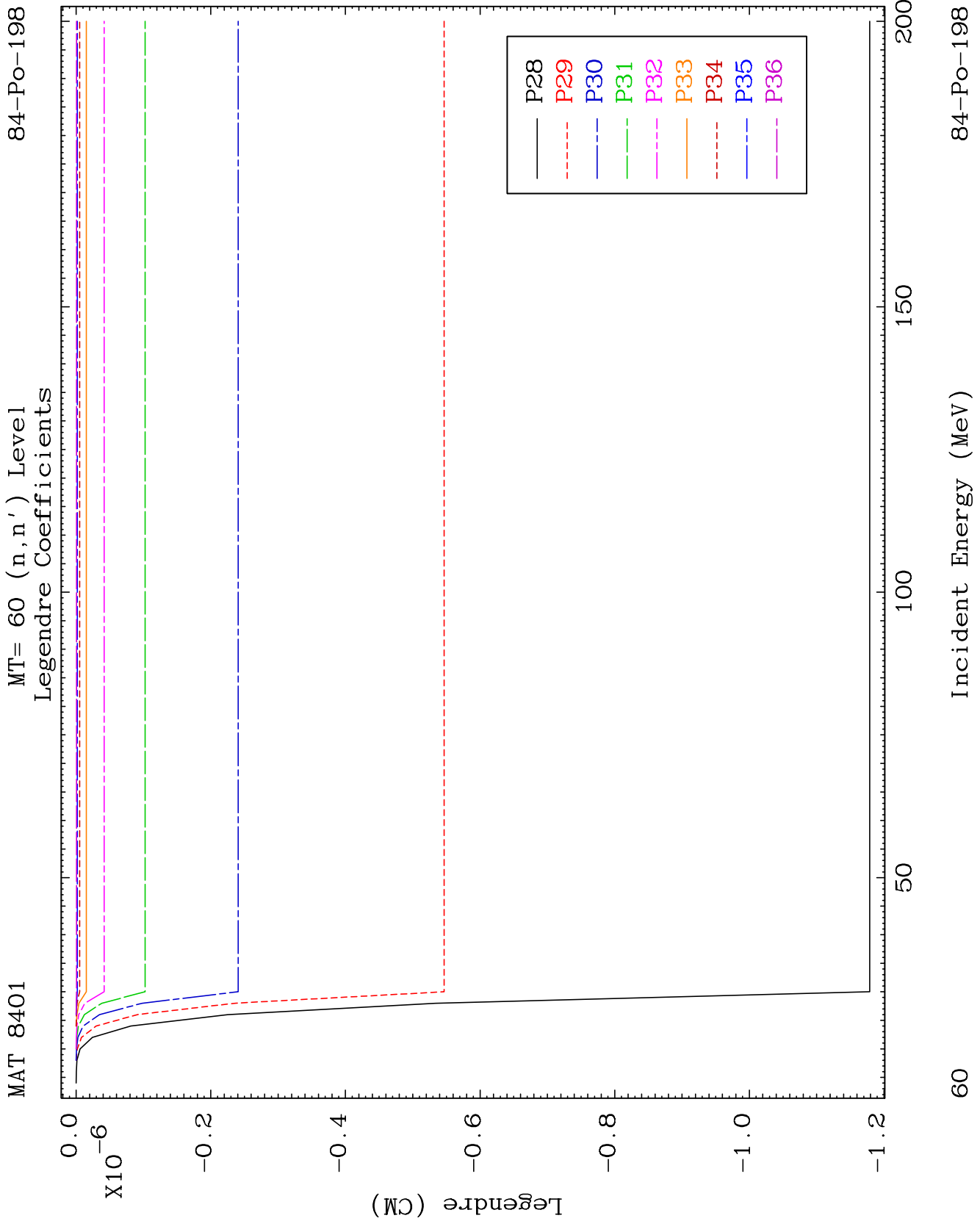


58

Incident Energy (MeV)

84-Po-198





84-Po-198

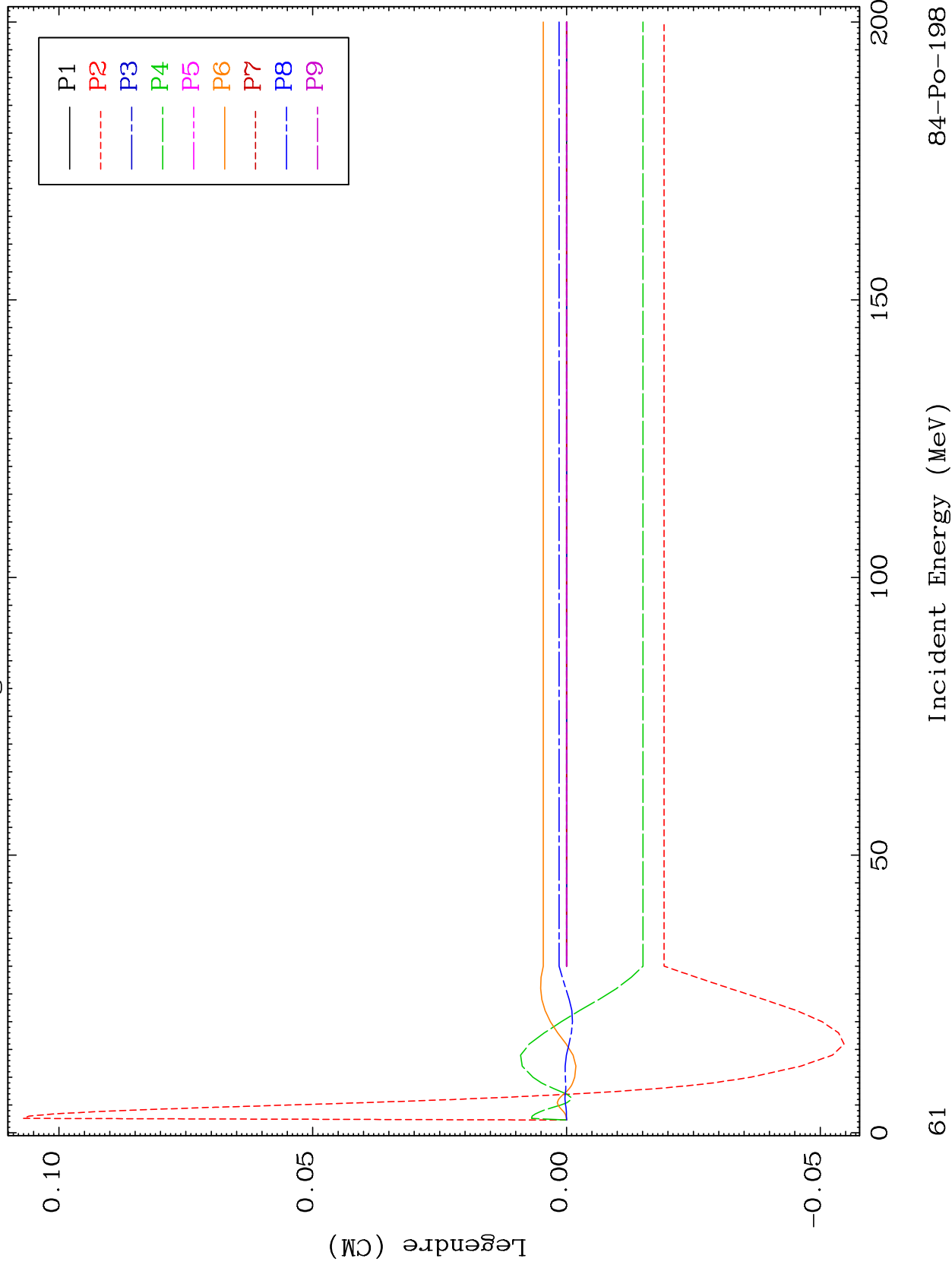
Incident Energy (MeV)

60

MAT 8401

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

84-Po-198



84-Po-198

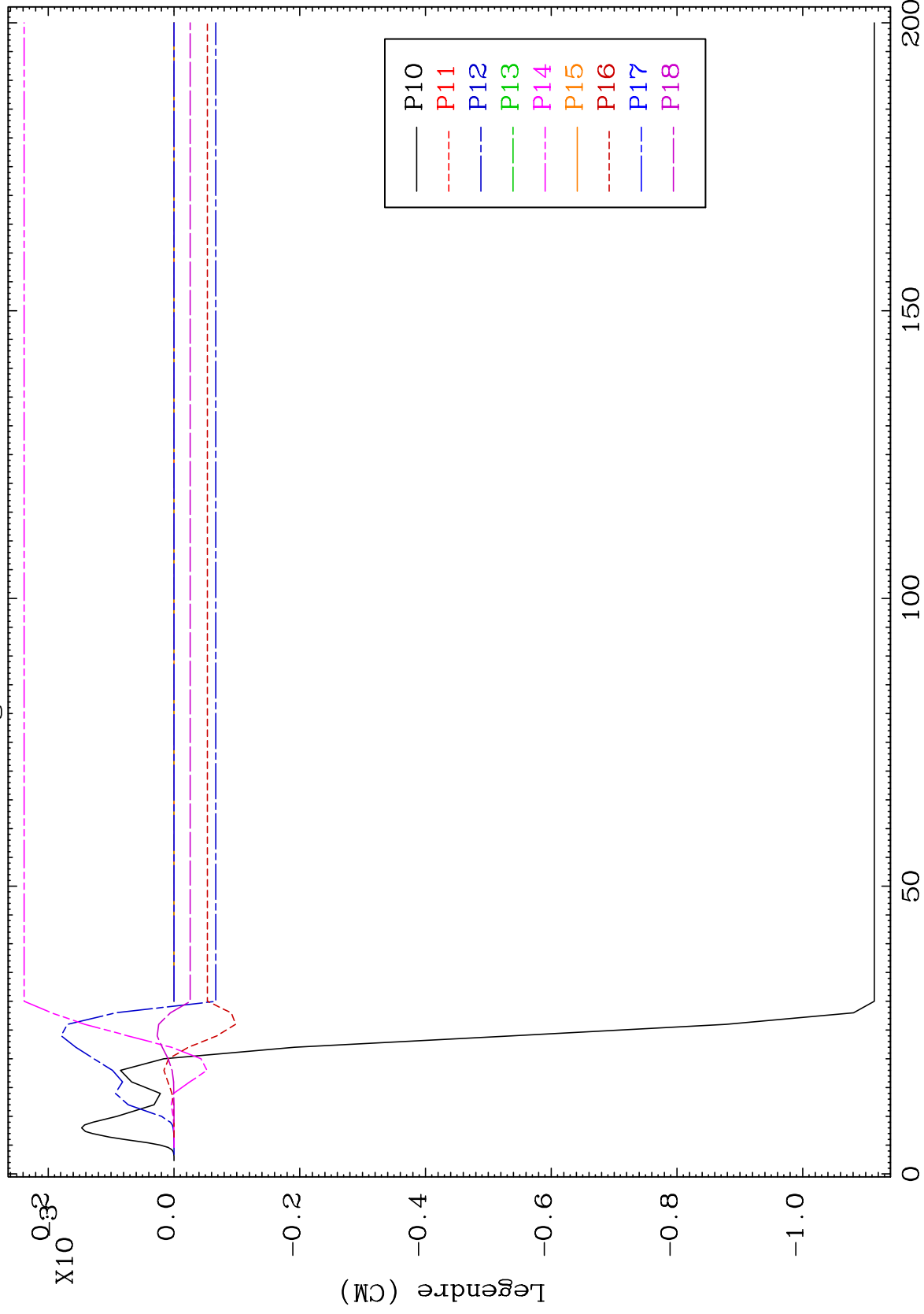
Incident Energy (MeV)

61

MAT 8401

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

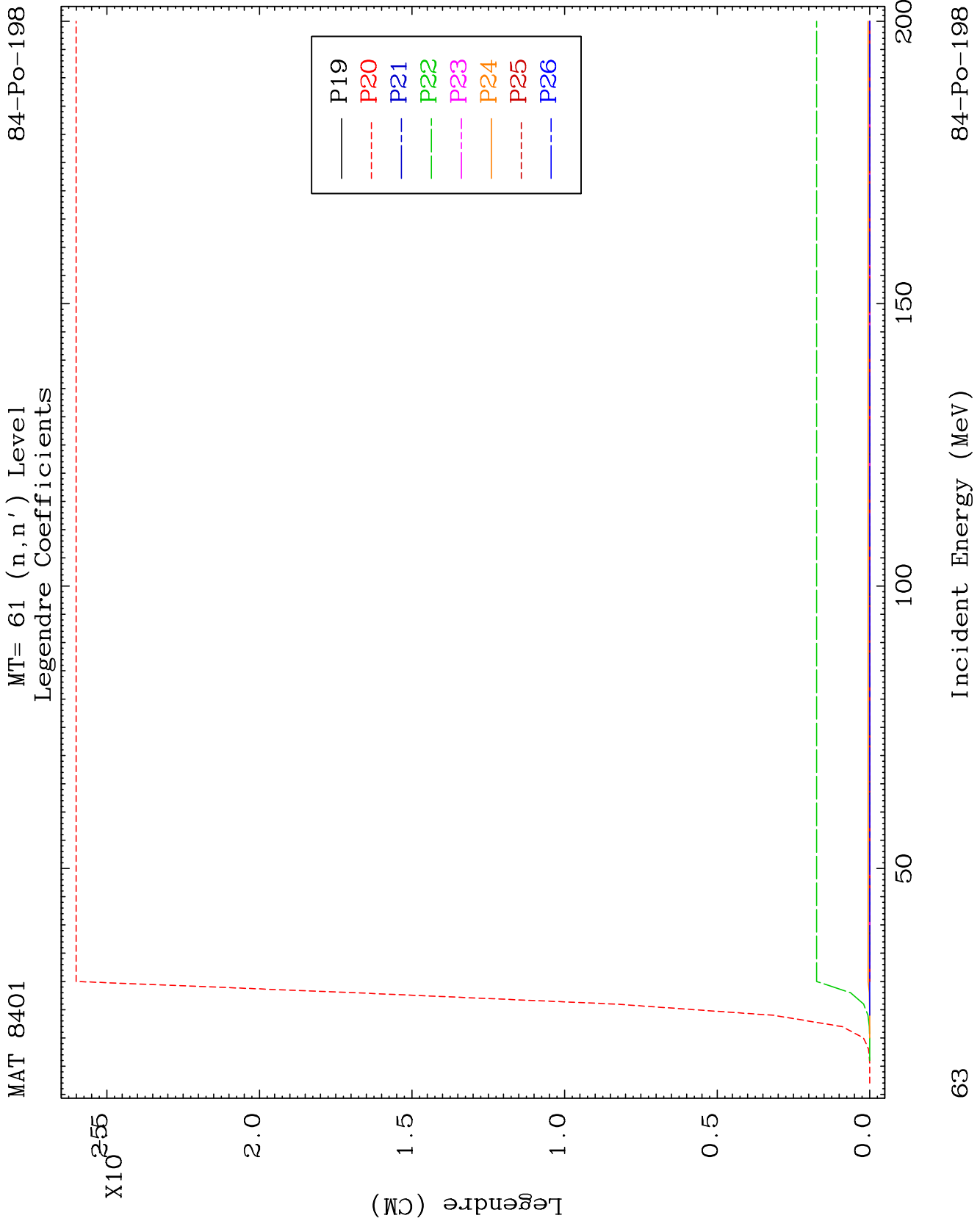
84-Po-198



62

Incident Energy (MeV)

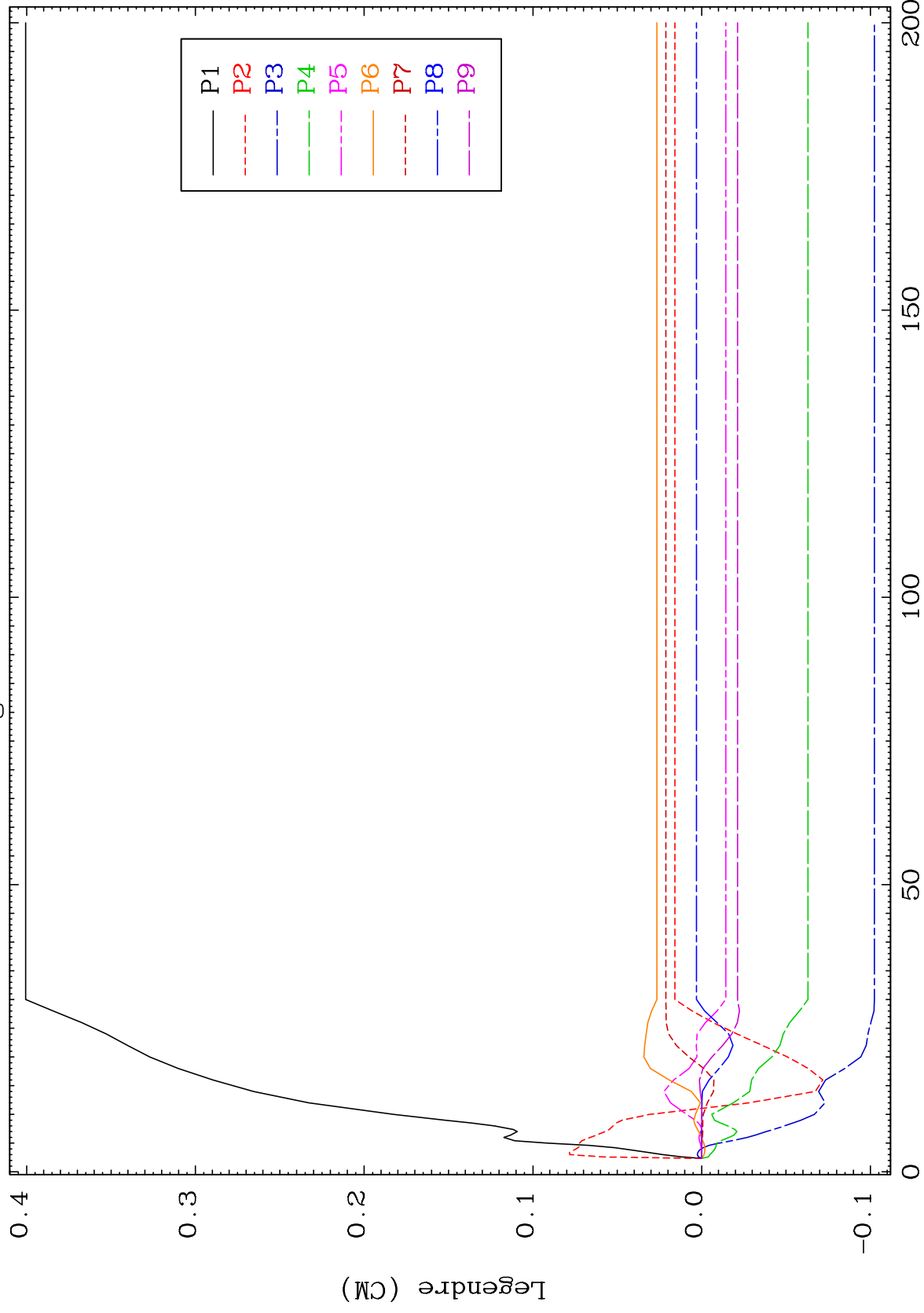
84-Po-198



MAT 8401

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

84-Po-198



64

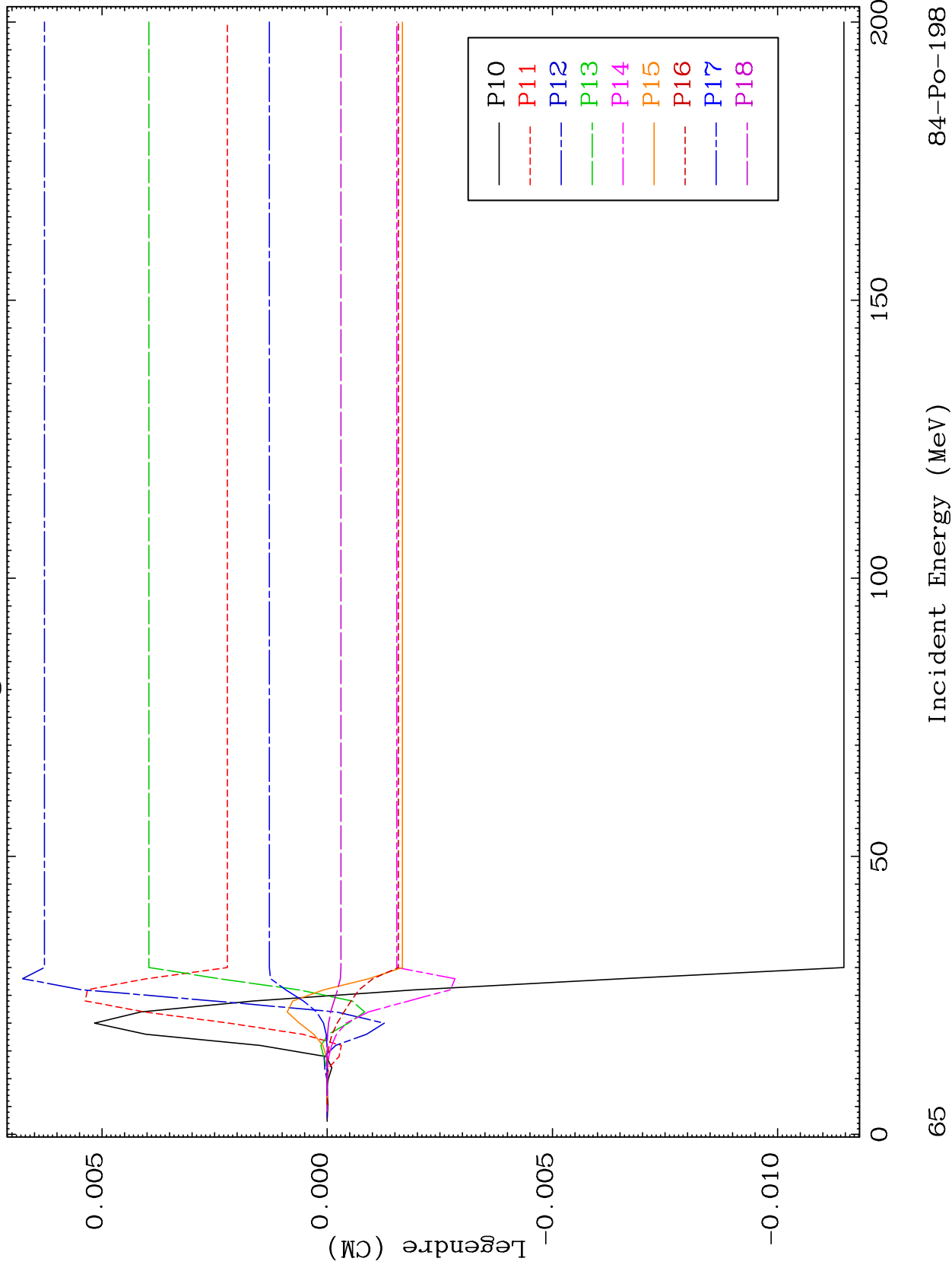
Incident Energy (MeV)

84-Po-198

MAT 8401

84-Po-198

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



84-Po-198

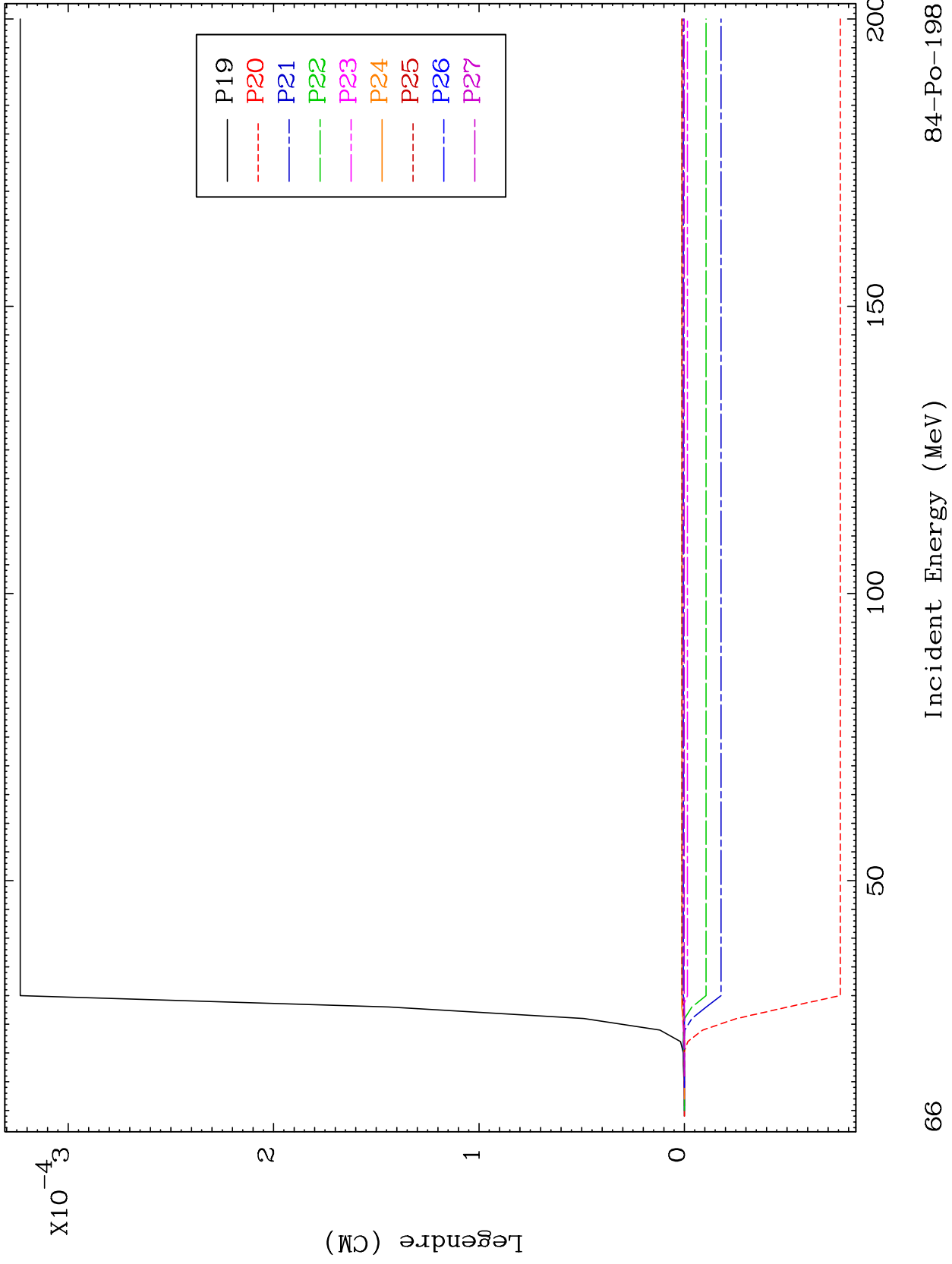
Incident Energy (MeV)

65

MAT 8401

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

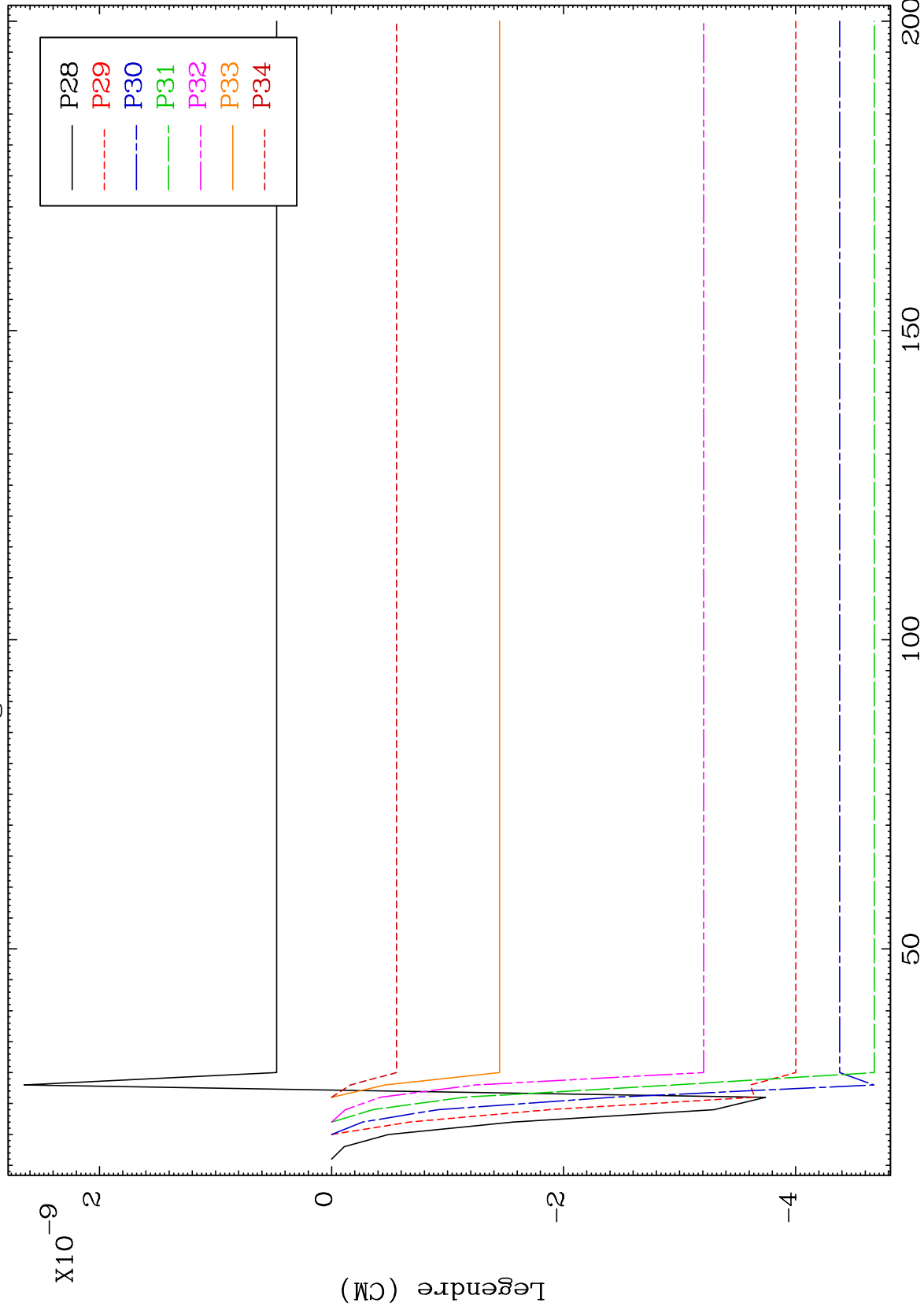
84-Po-198



MAT 8401

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

84-Po-198



67

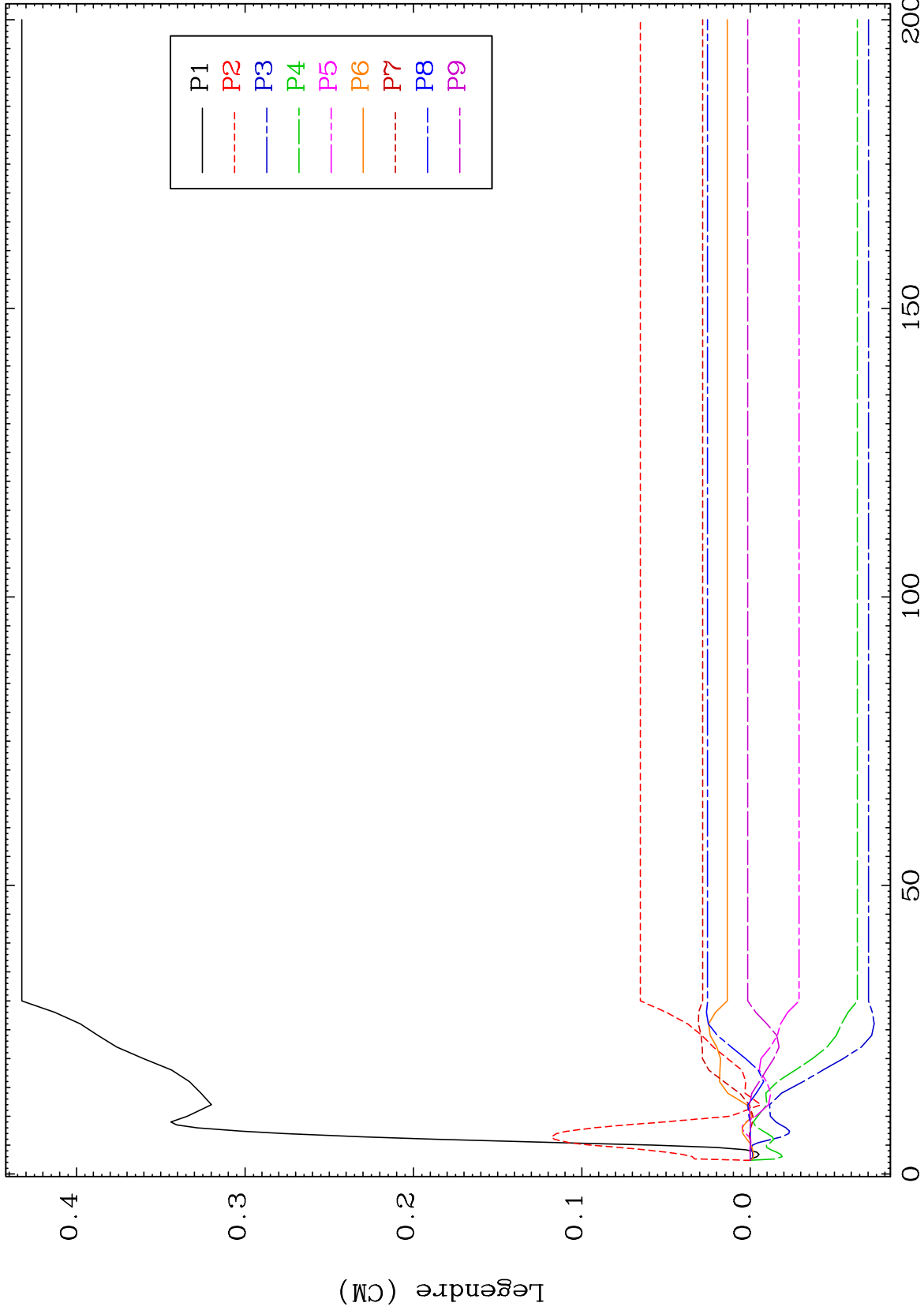
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



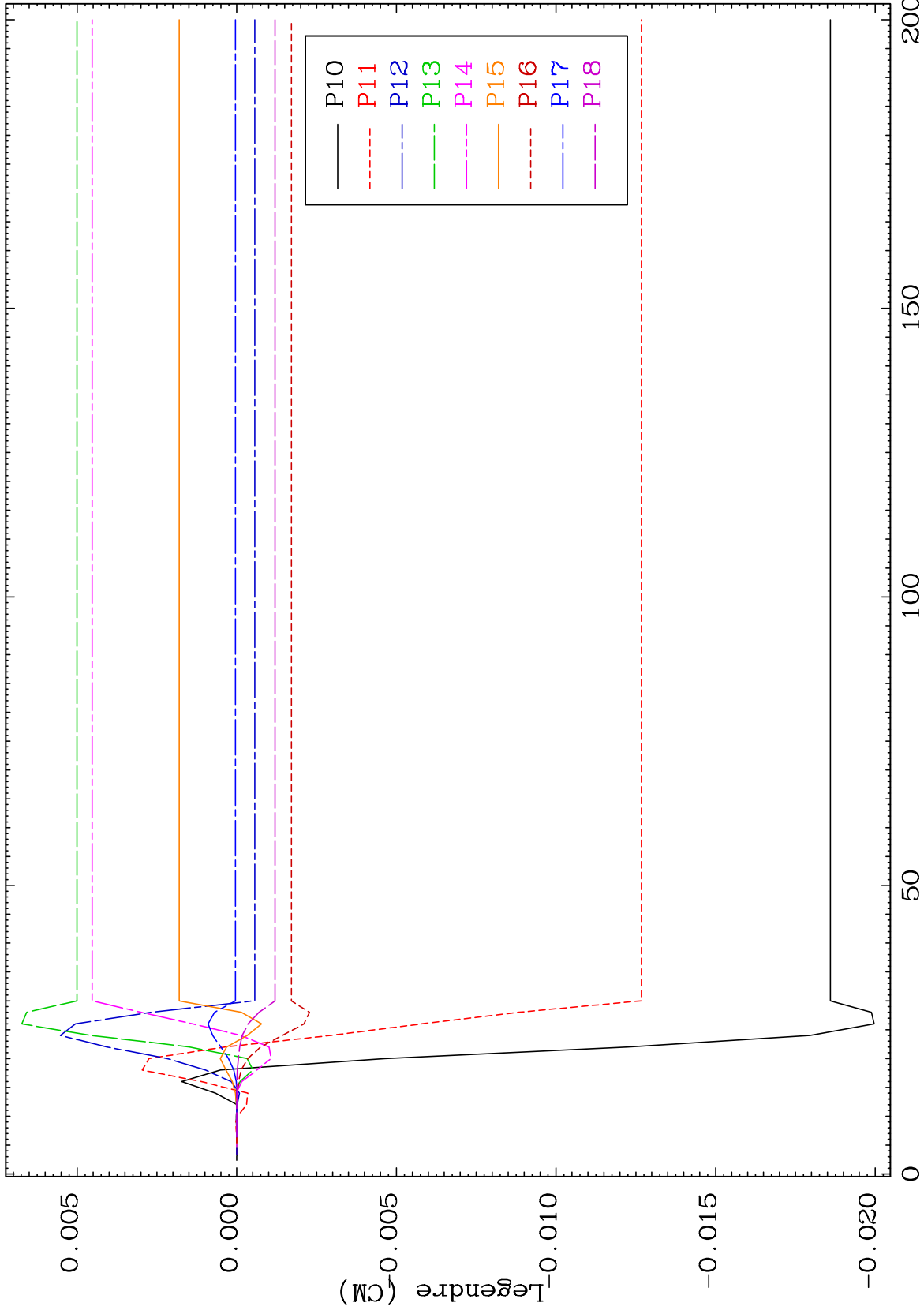
68

84-Po-198

MAT 8401

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

84-Po-198



69

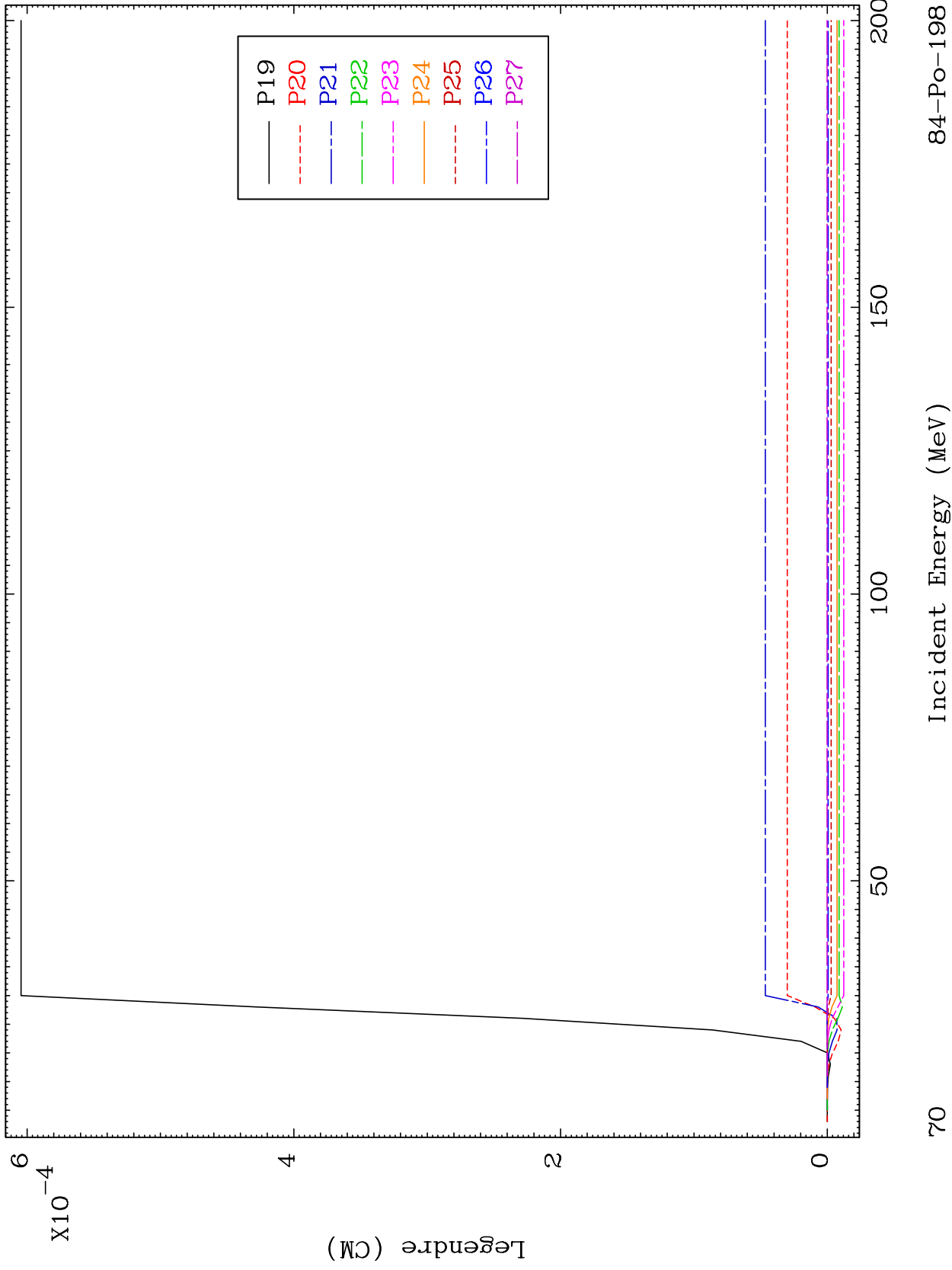
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



70

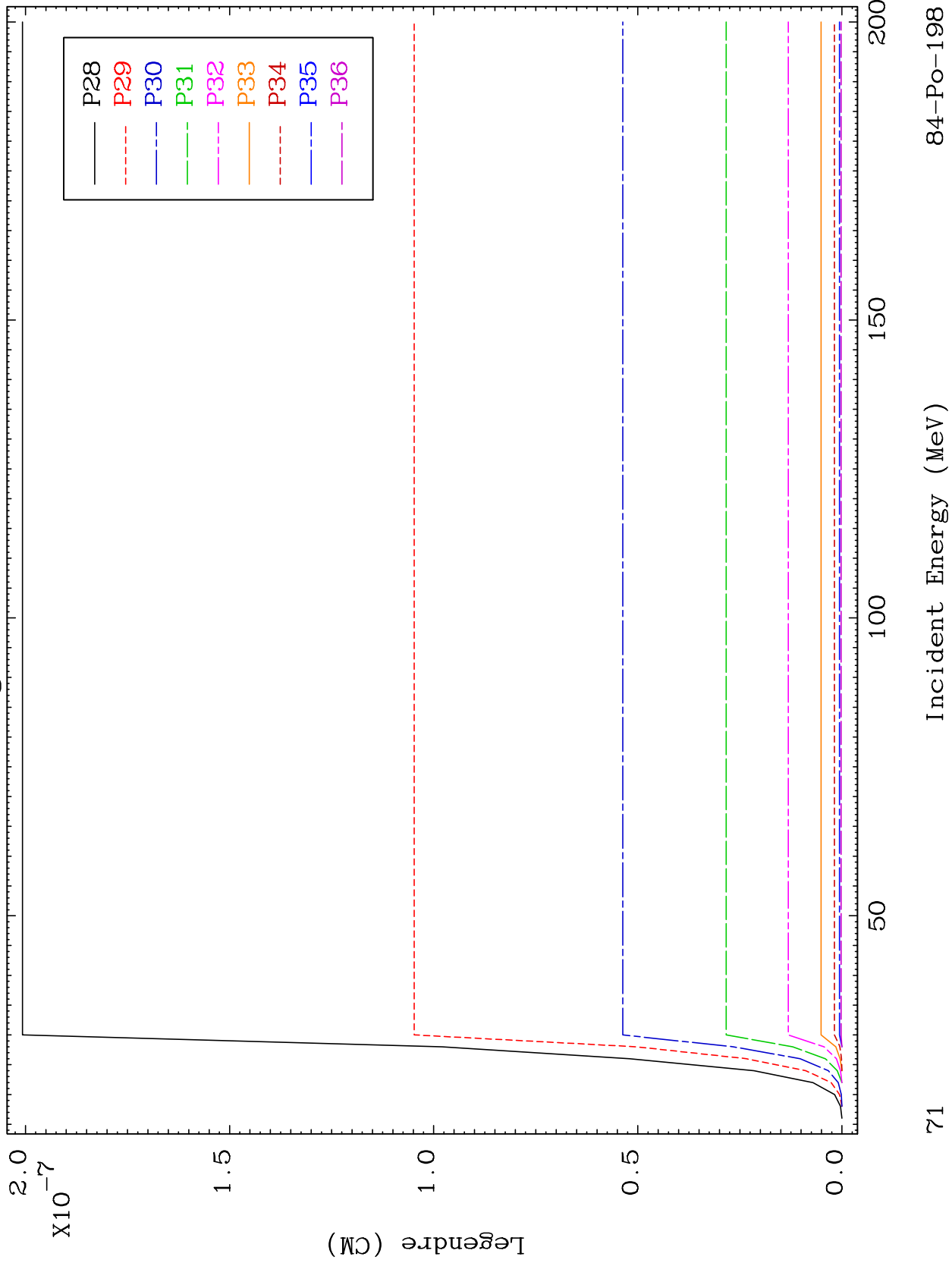
Incident Energy (MeV)

84-Po-198

MAT 8401

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

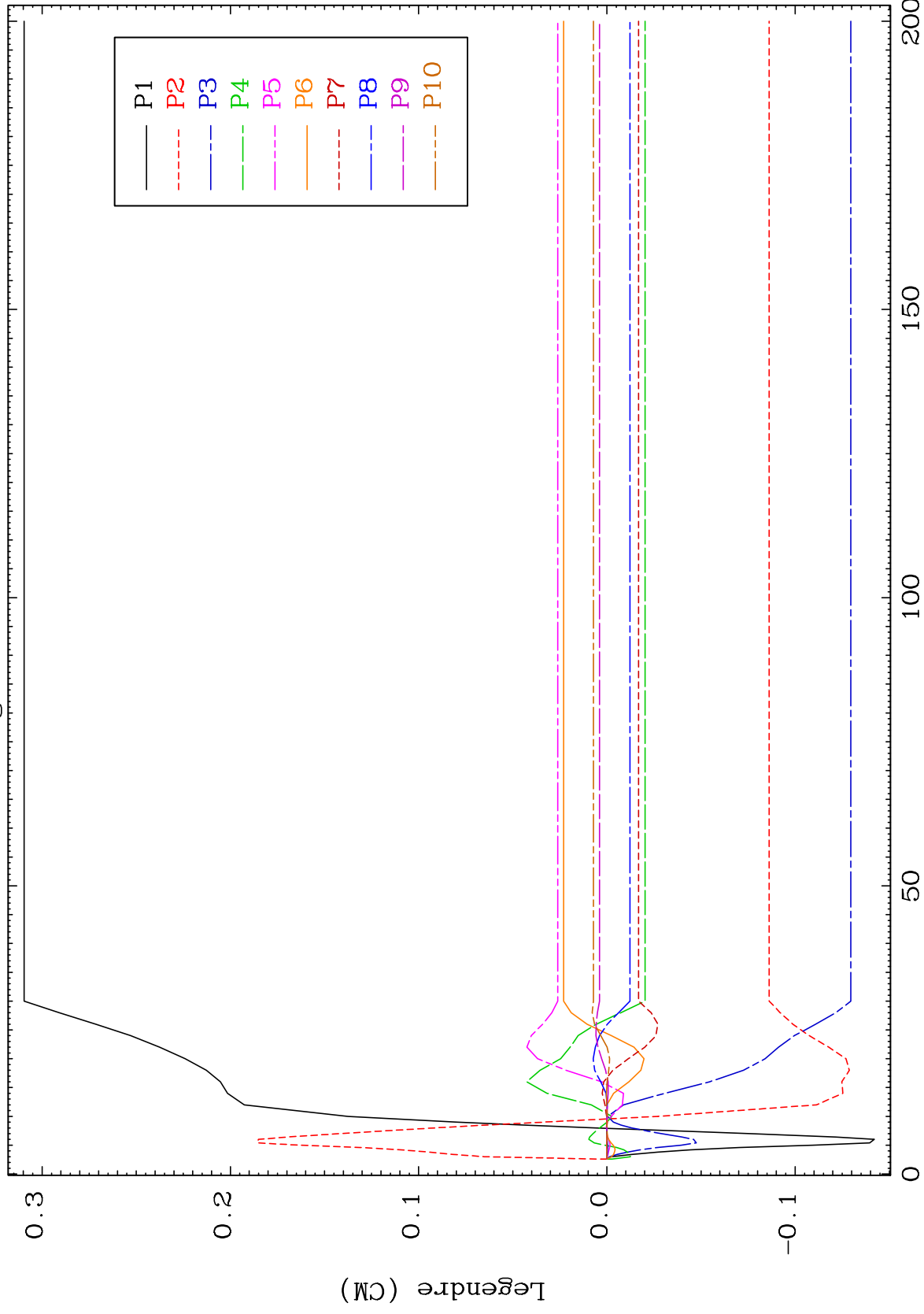
84-Po-198



MAT 8401

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

84-Po-198



72

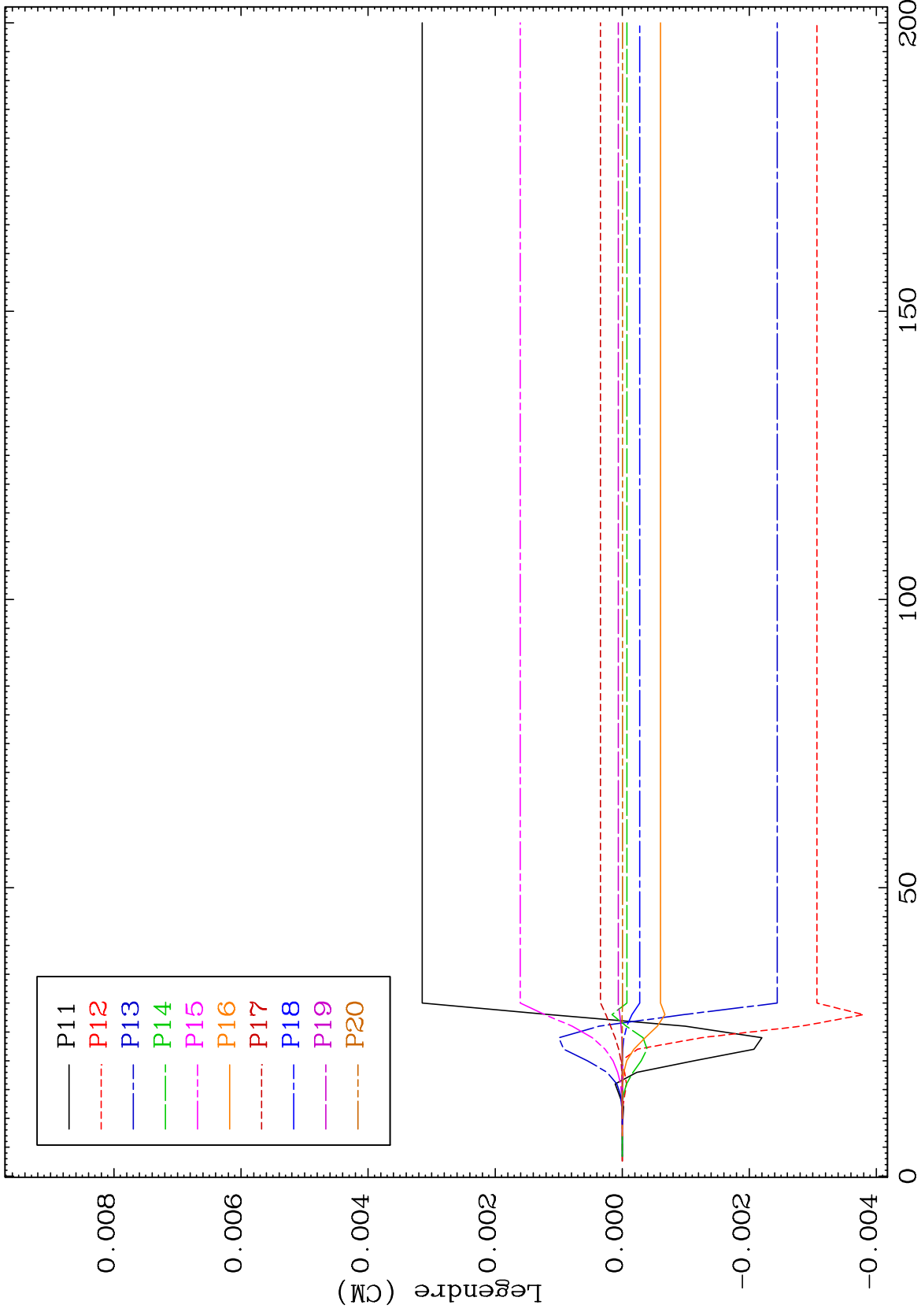
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



73

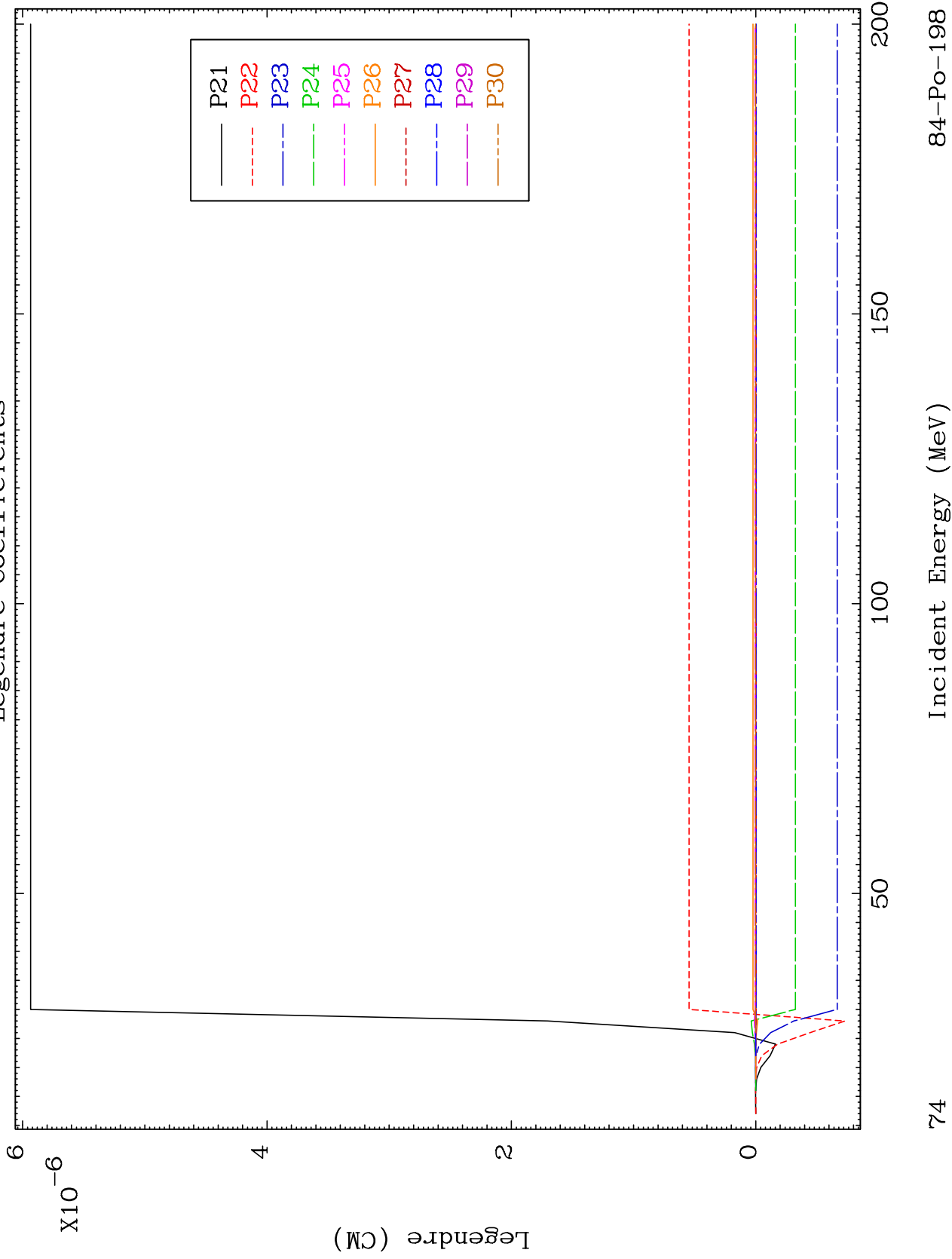
Incident Energy (MeV)

84-Po-198

MAT 8401

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

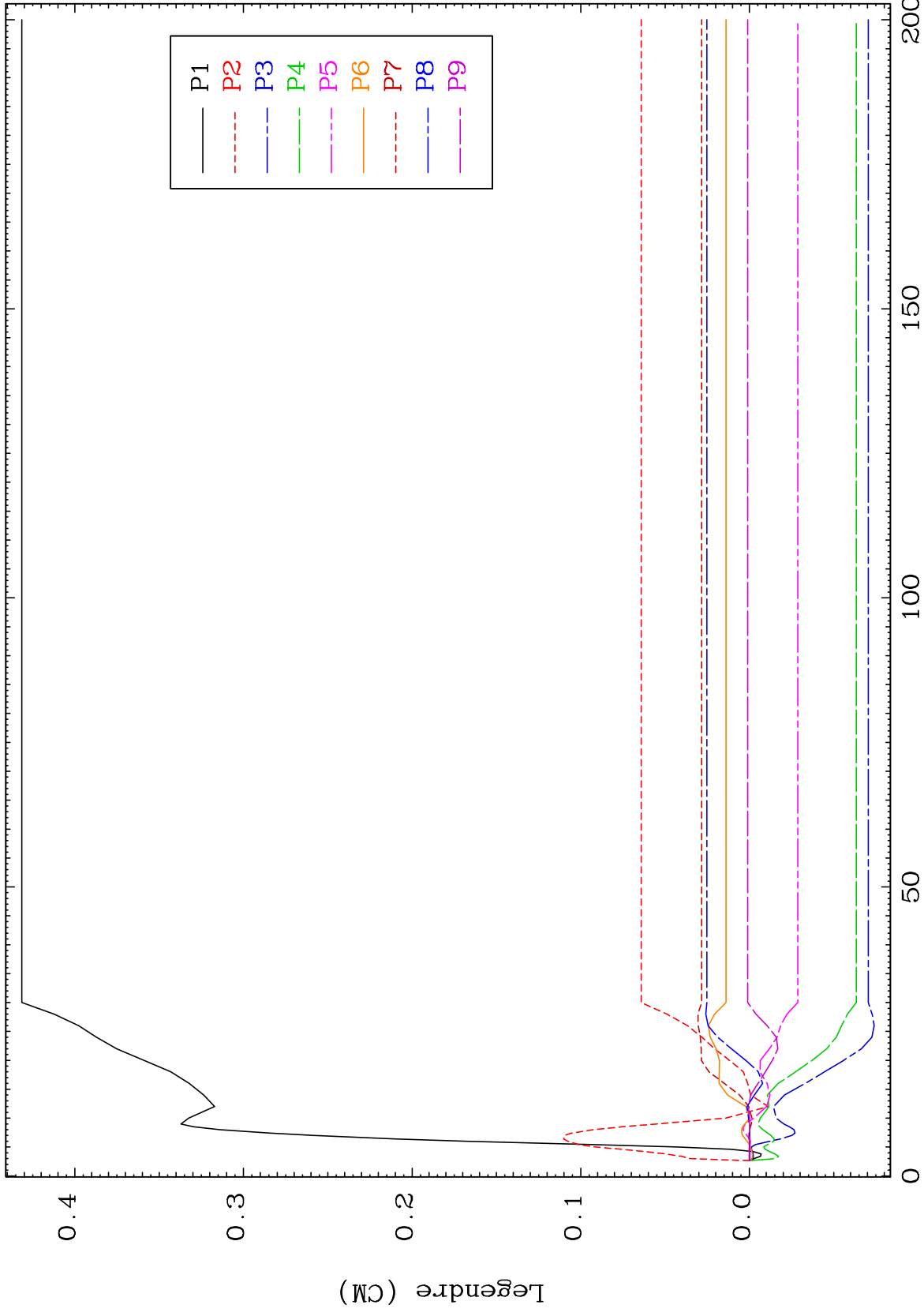
84-Po-198



MAT 8401

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

84-Po-198



75

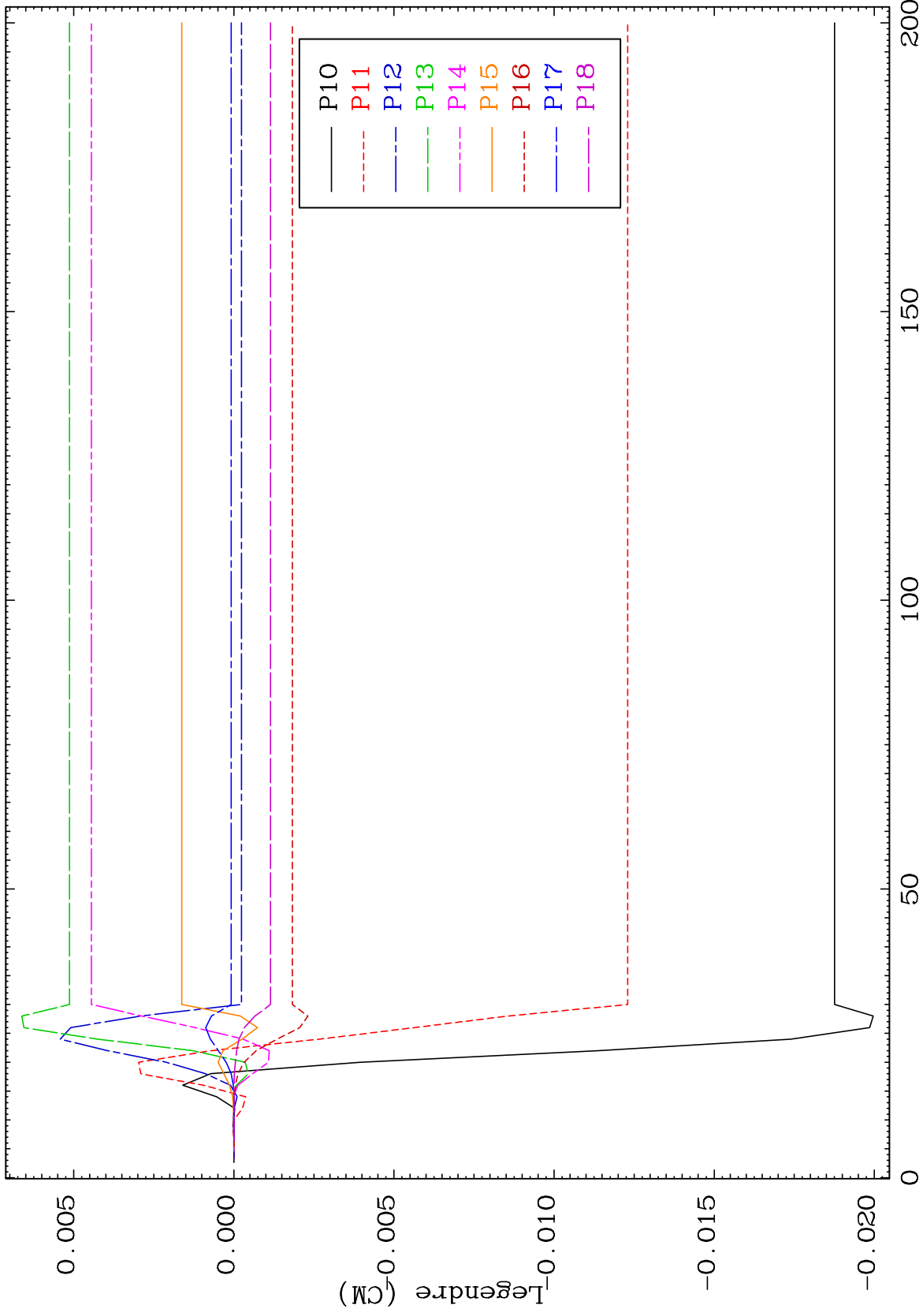
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



76

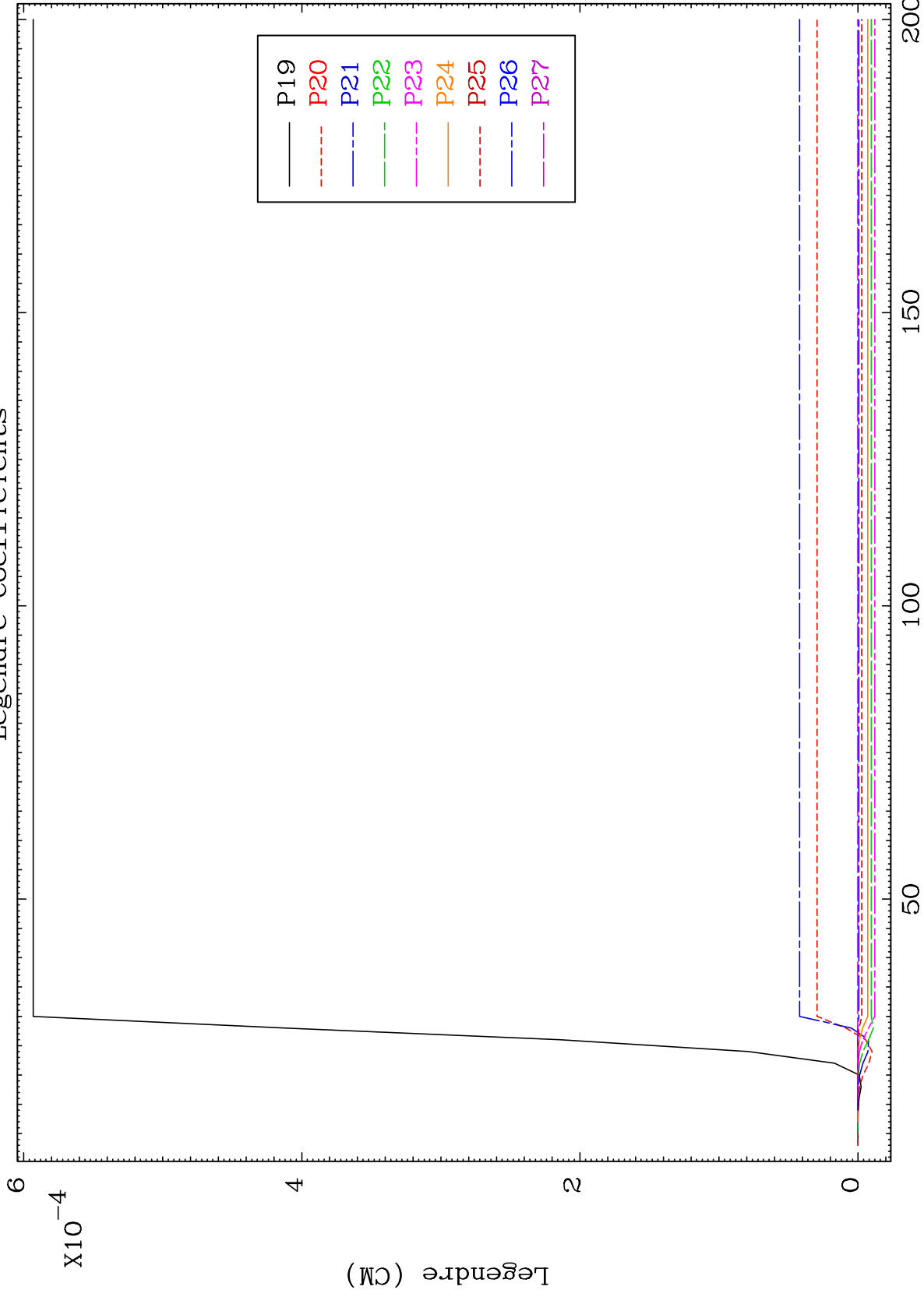
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



77

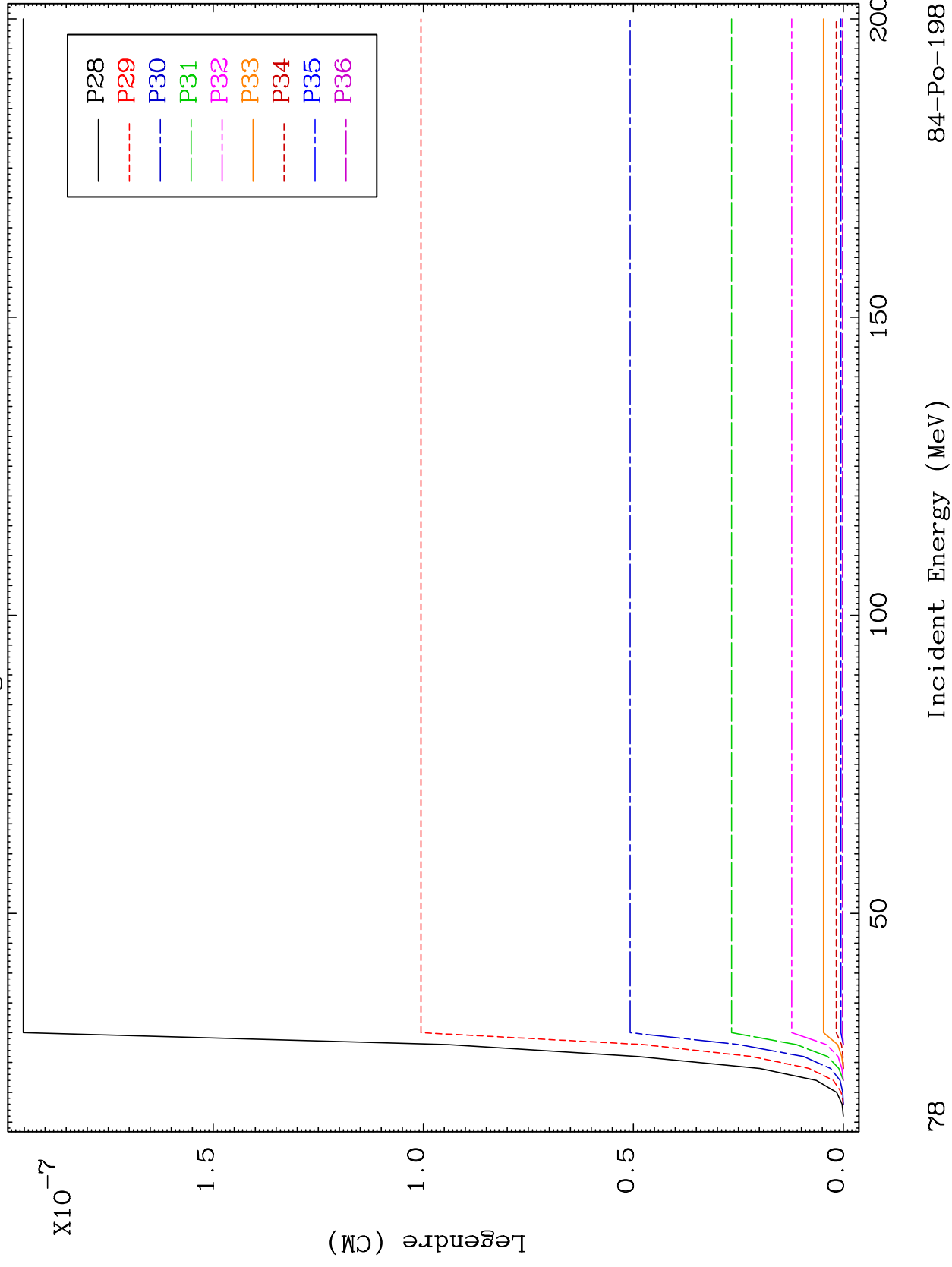
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



78

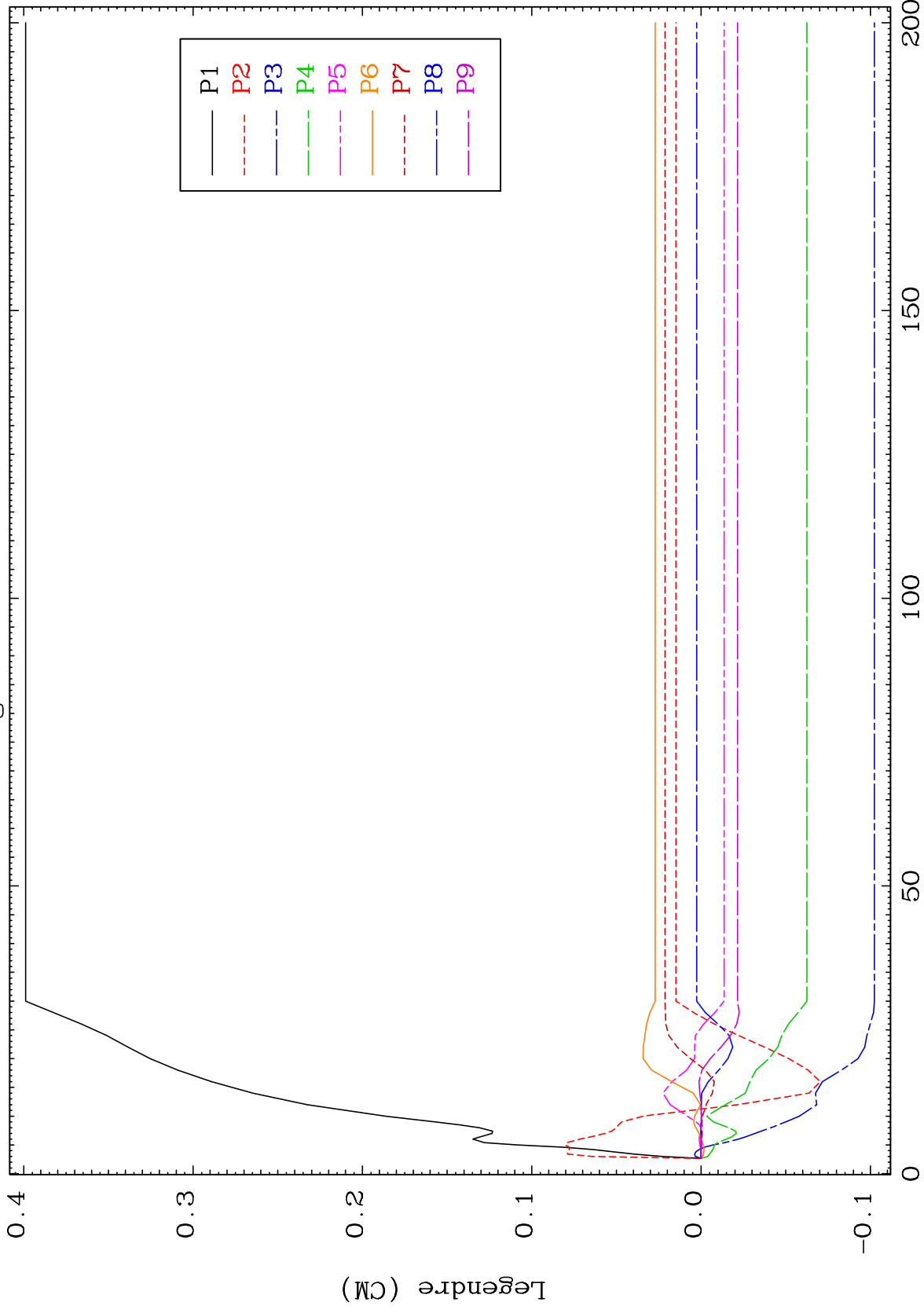
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



79

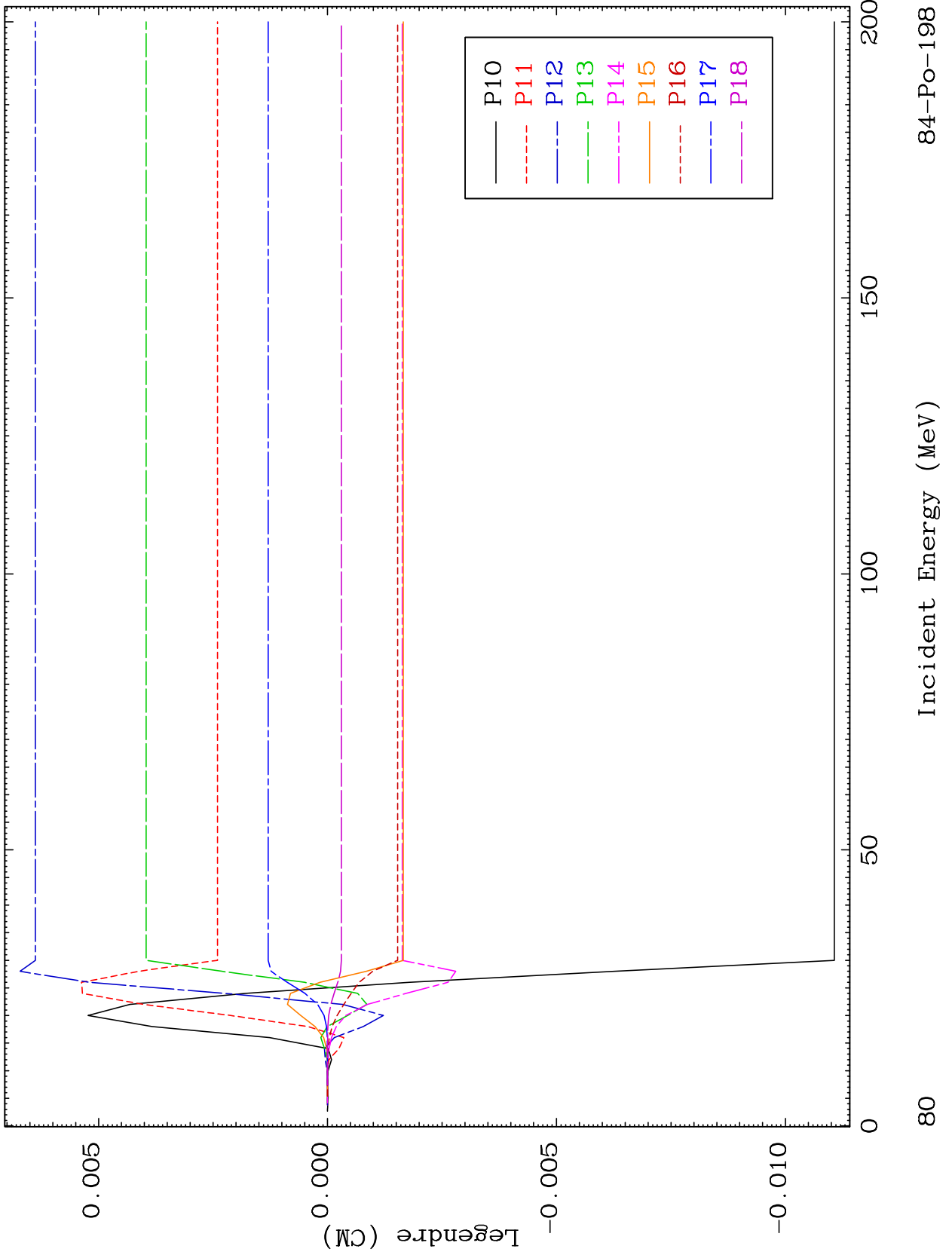
Incident Energy (MeV)

84-Po-198

MAT 8401

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

84-Po-198



84-Po-198

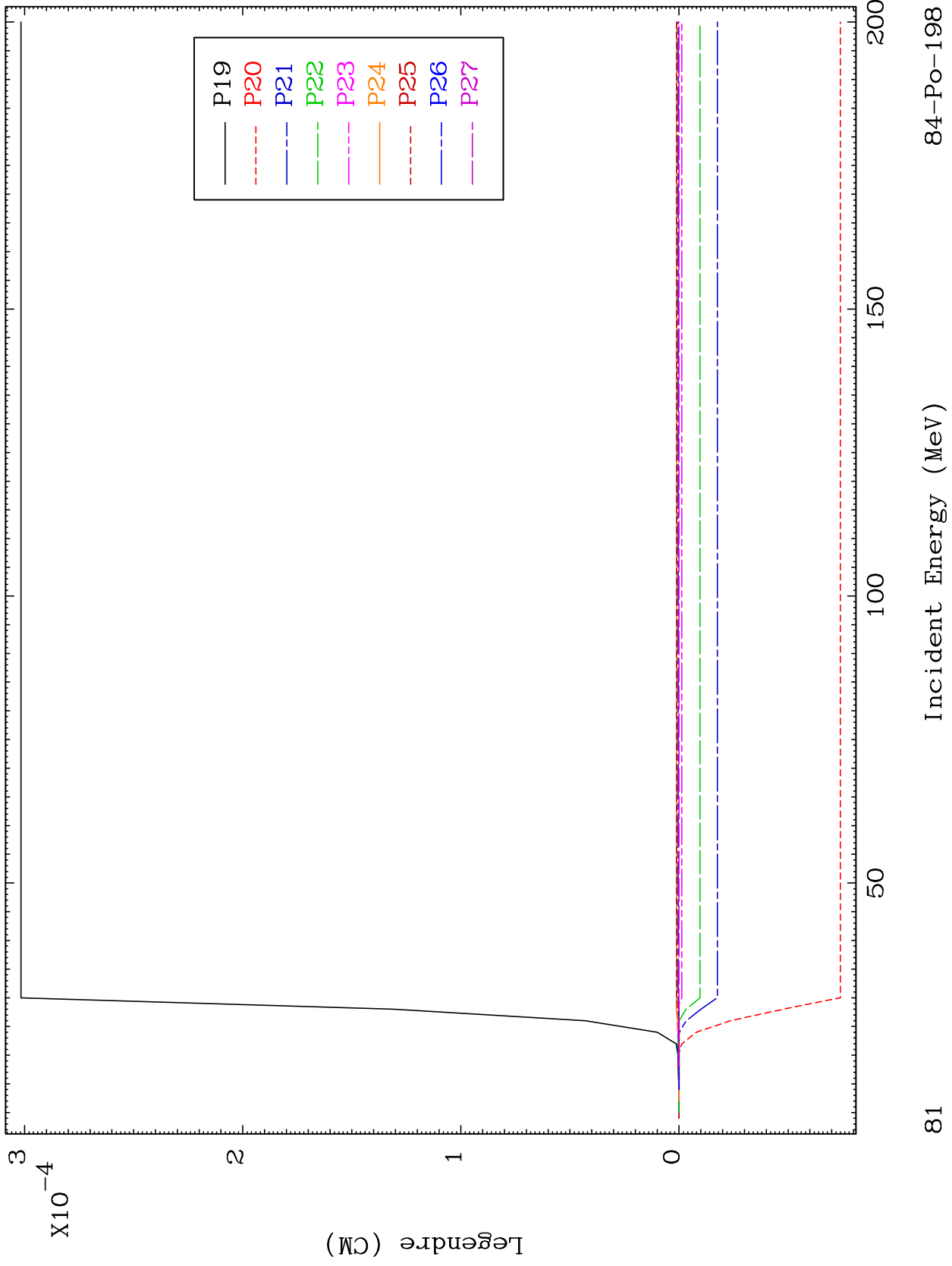
Incident Energy (MeV)

80

MAT 8401

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

84-Po-198



81

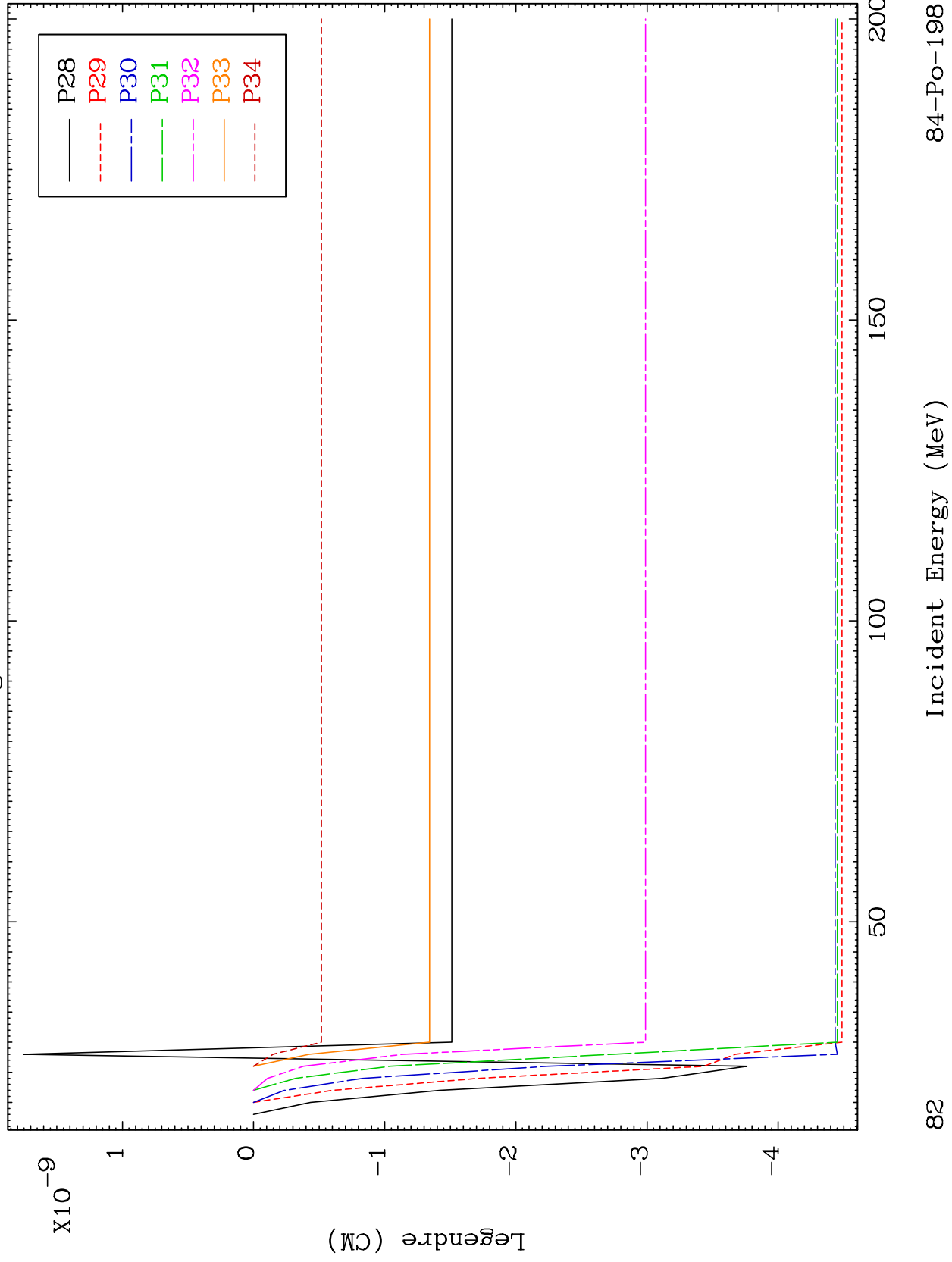
Incident Energy (MeV)

84-Po-198

MAT 8401

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

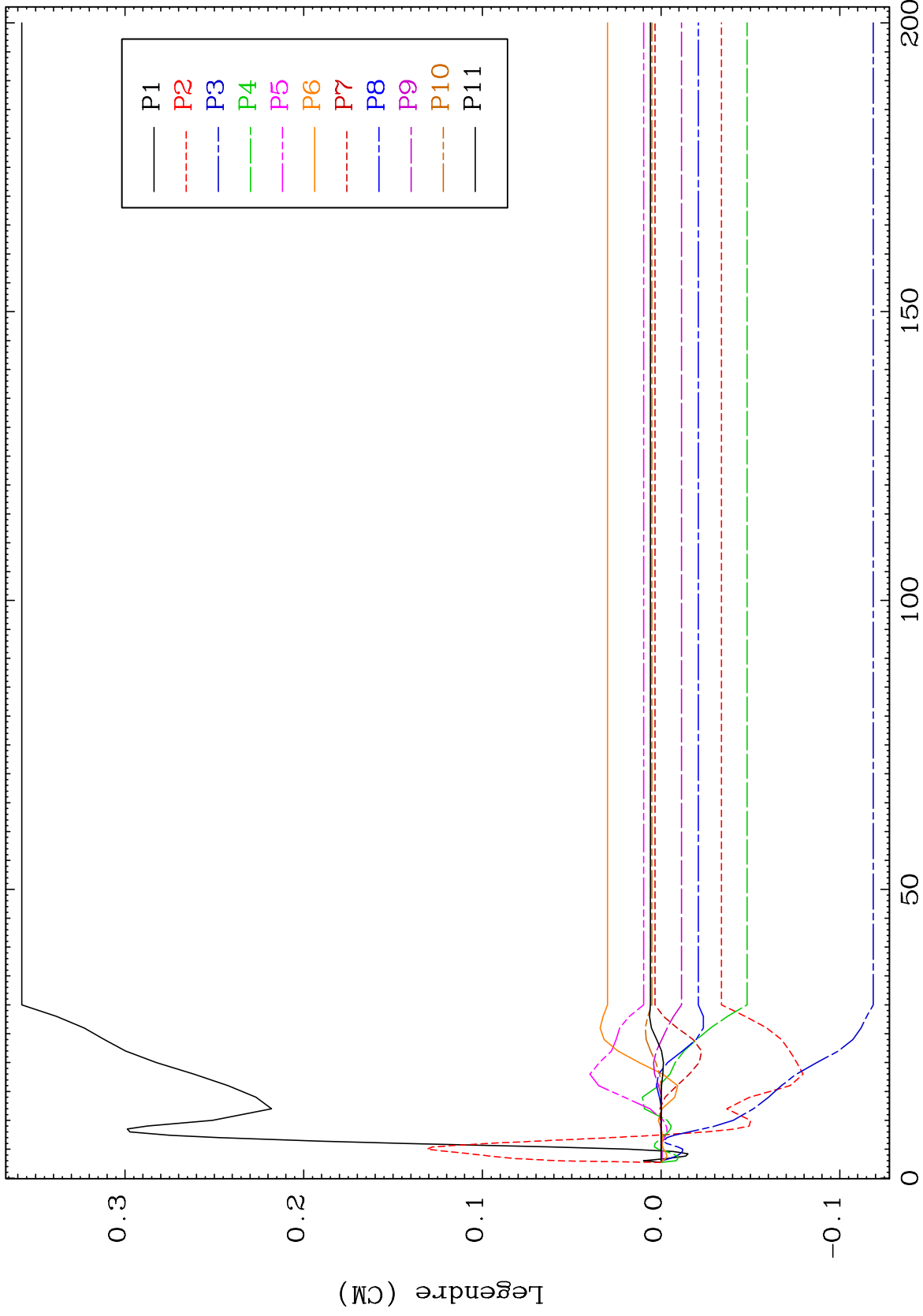
84-Po-198



82

Incident Energy (MeV)

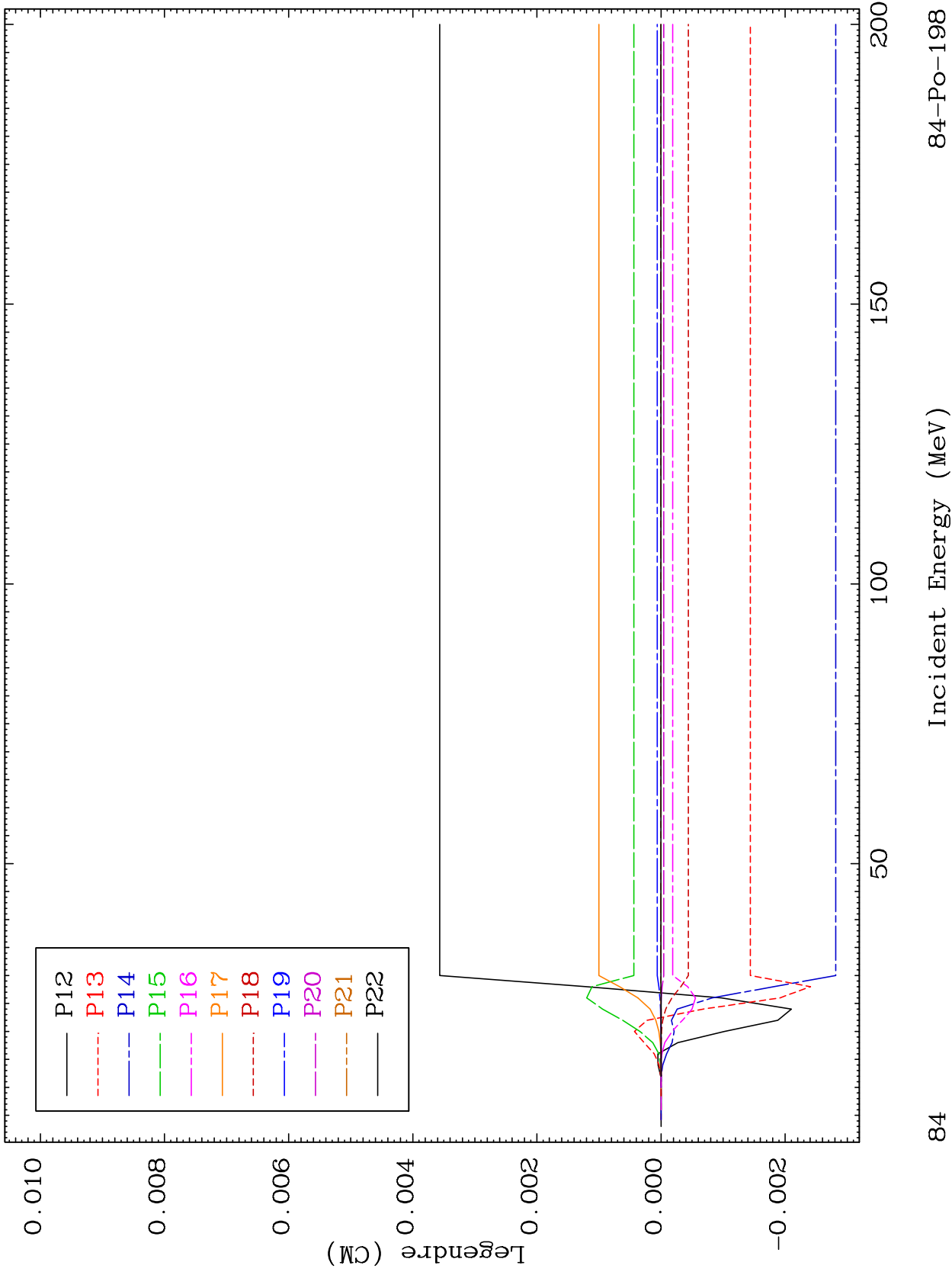
84-Po-198



MAT 8401

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

84-Po-198



84

Incident Energy (MeV)

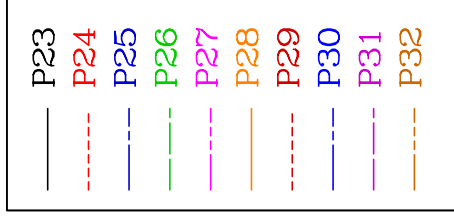
84-Po-198

MAT 8401

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

84-Po-198

$\times 10^{-6}$

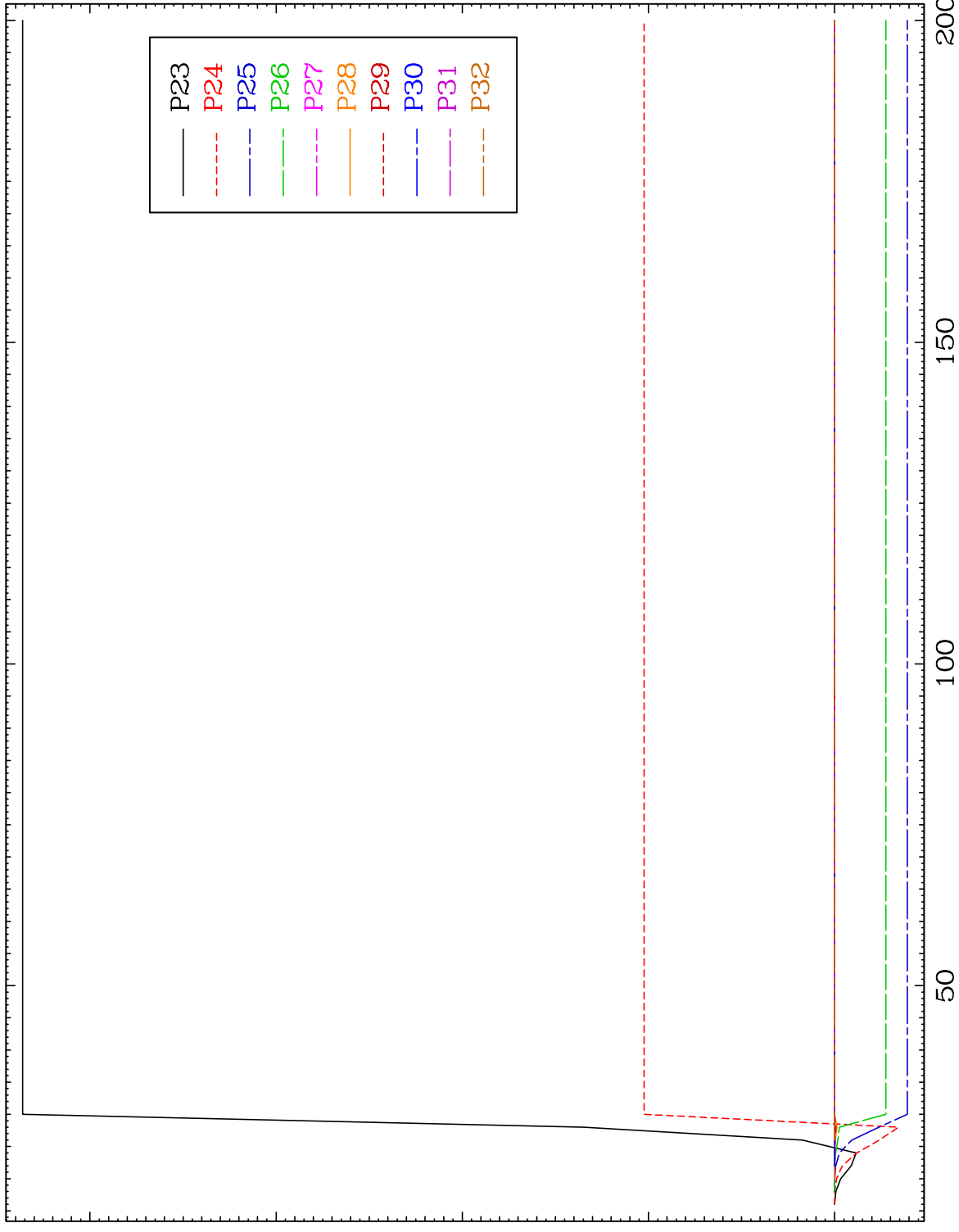


Legendre (CM)

85

Incident Energy (MeV)

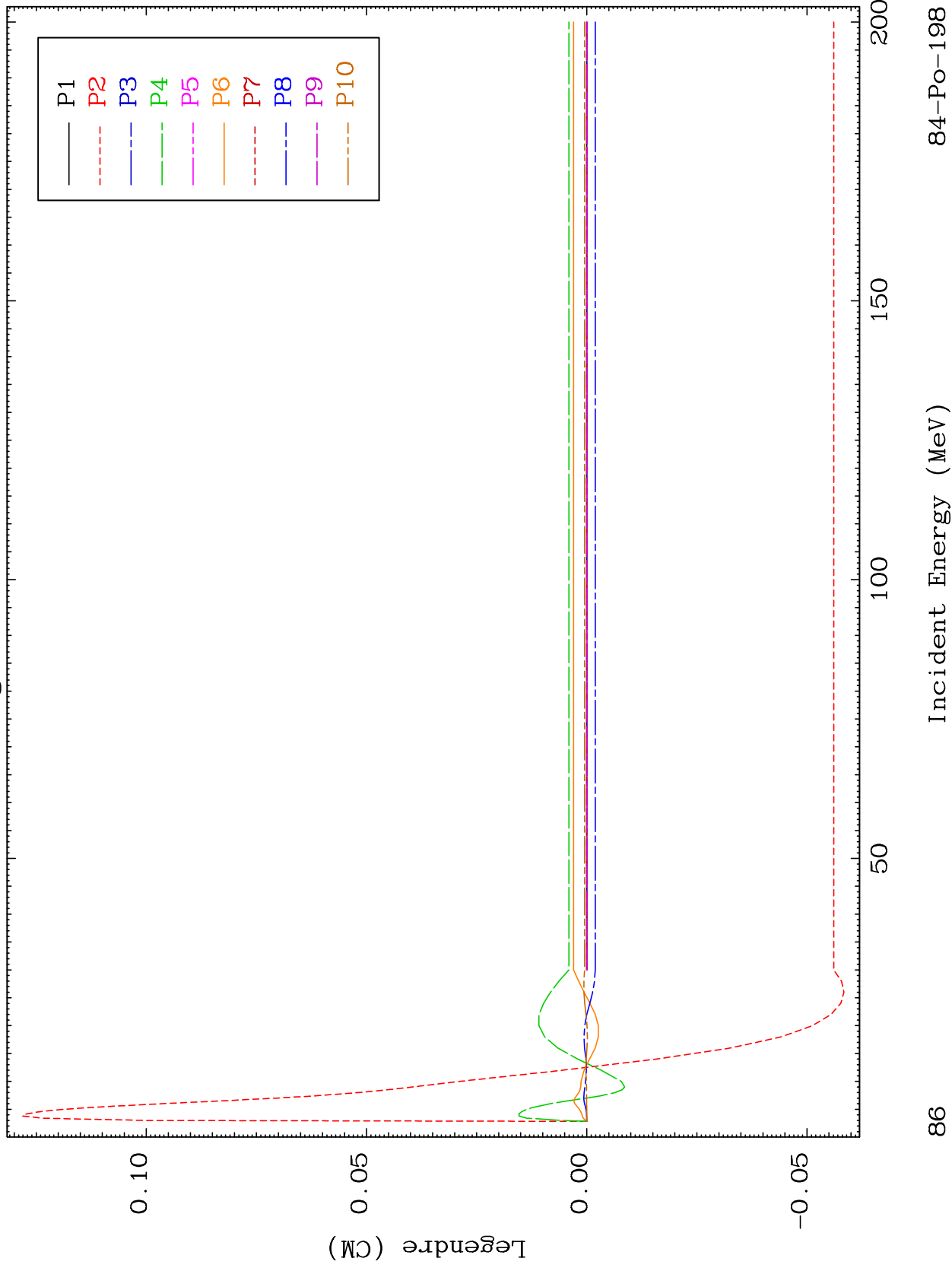
84-Po-198



MAT 8401

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

84-Po-198



86

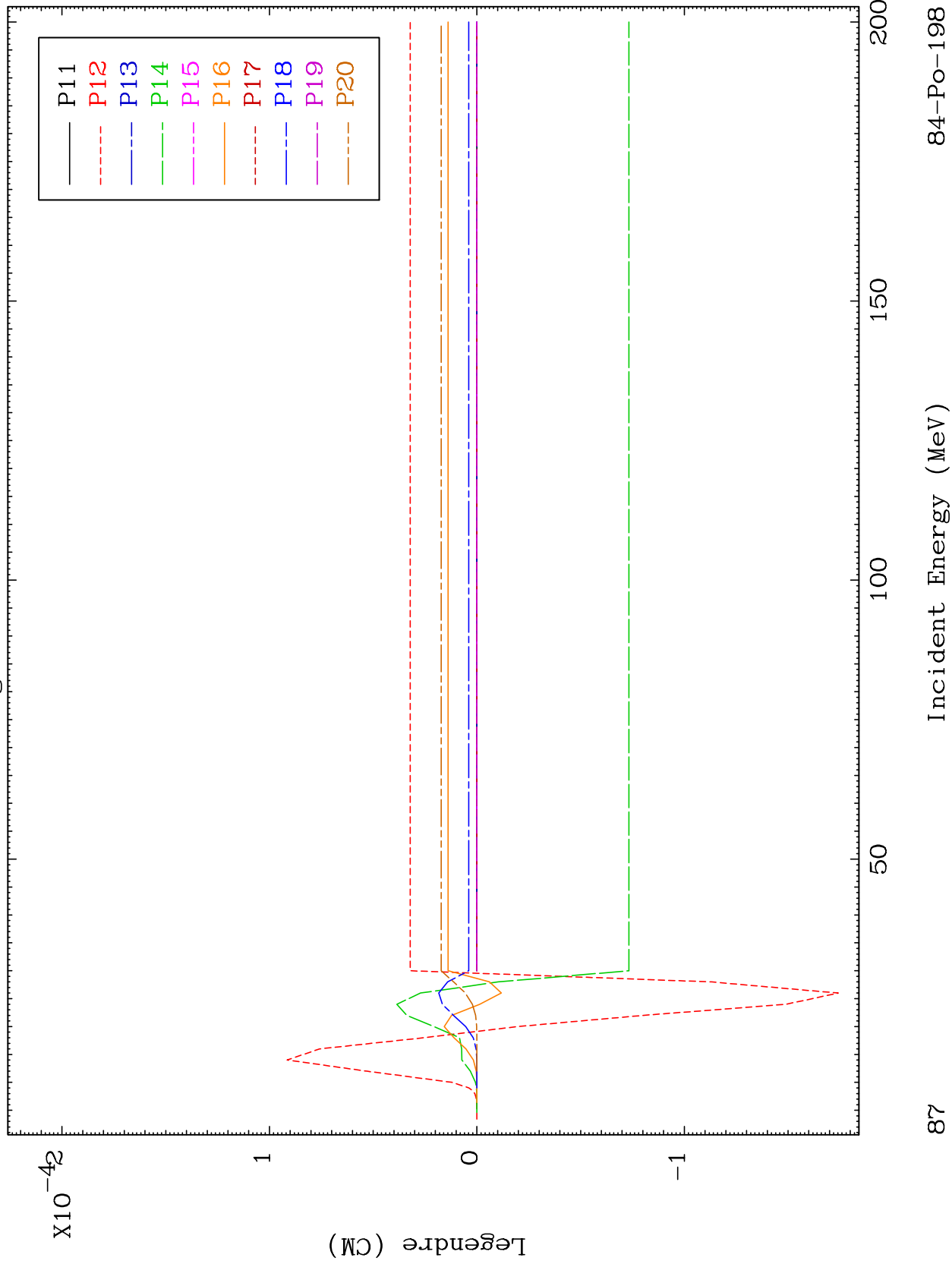
Incident Energy (MeV)

84-Po-198

MAT 8401

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

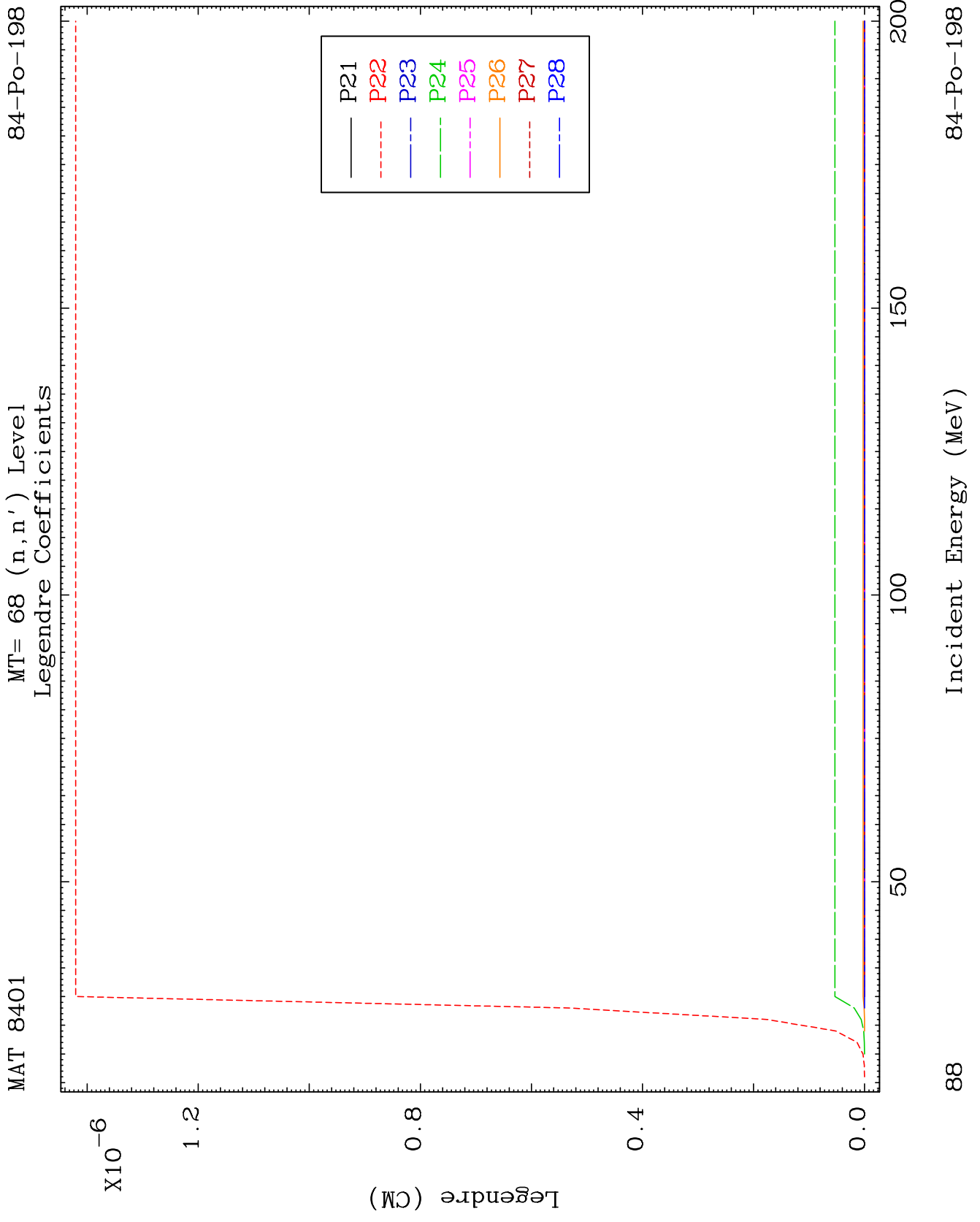
84-Po-198

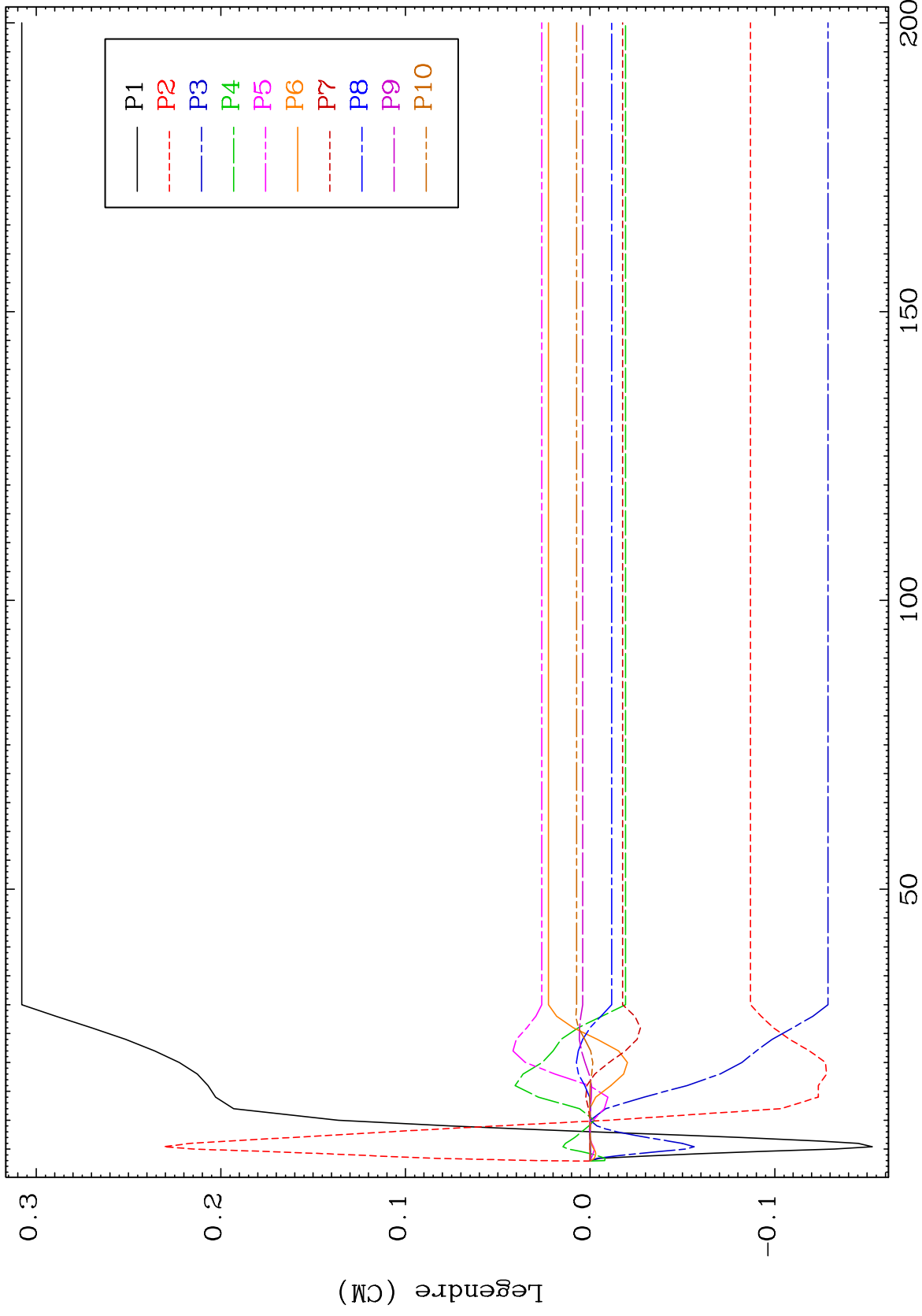


87

Incident Energy (MeV)

84-Po-198

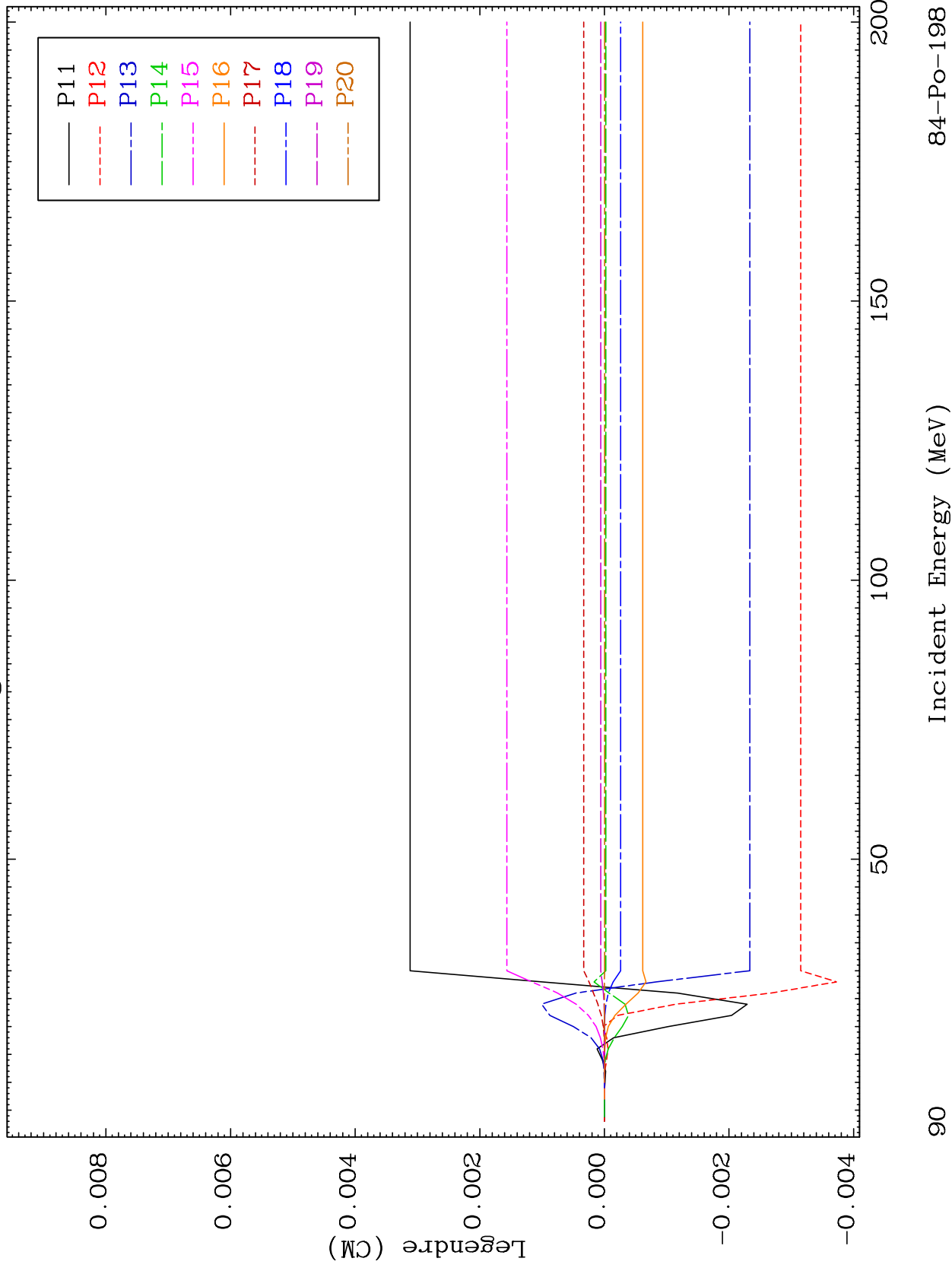




MAT 8401

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

84-Po-198



90

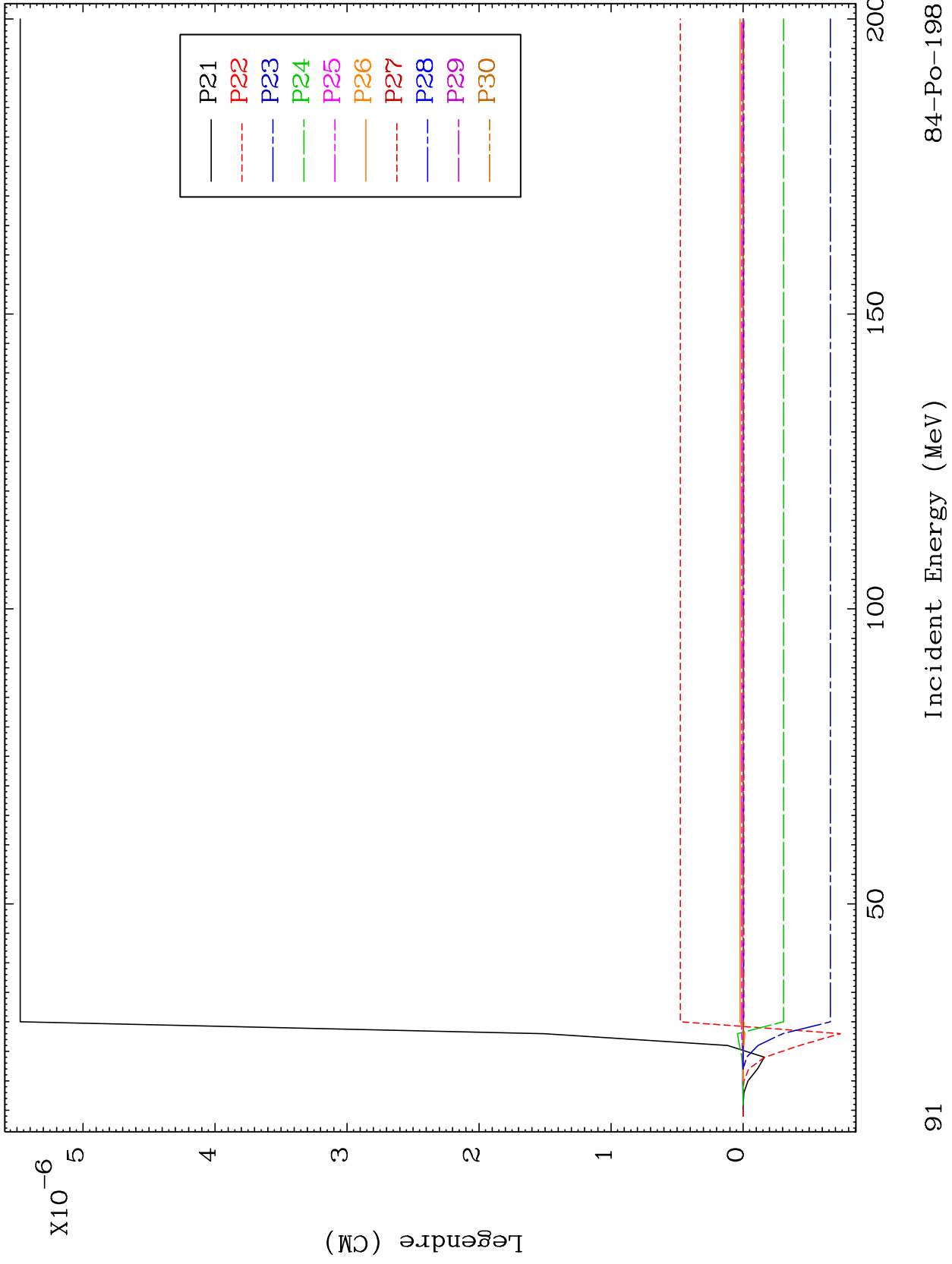
Incident Energy (MeV)

84-Po-198

MAT 8401

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

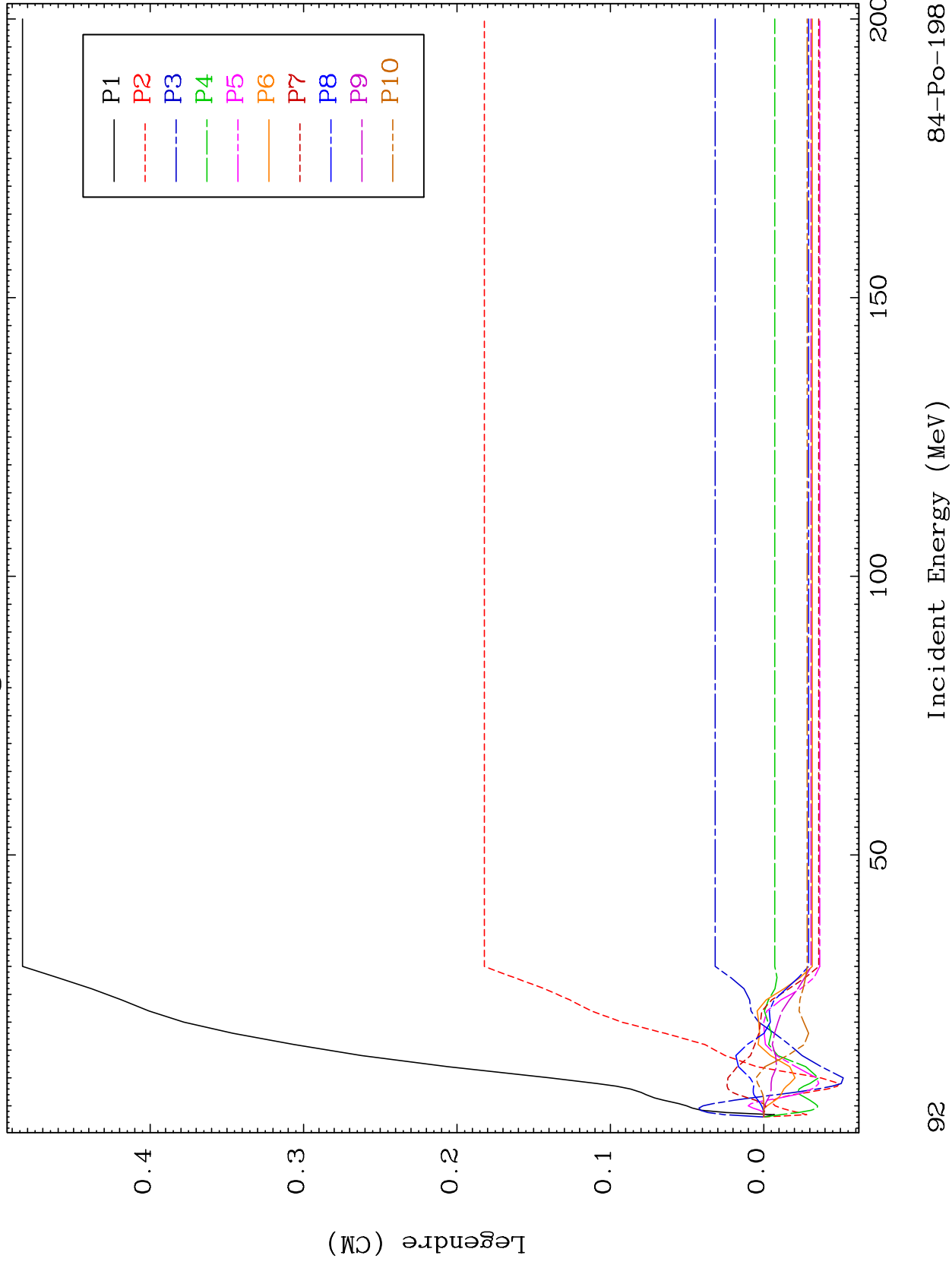
84-Po-198



MAT 8401

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

84-Po-198

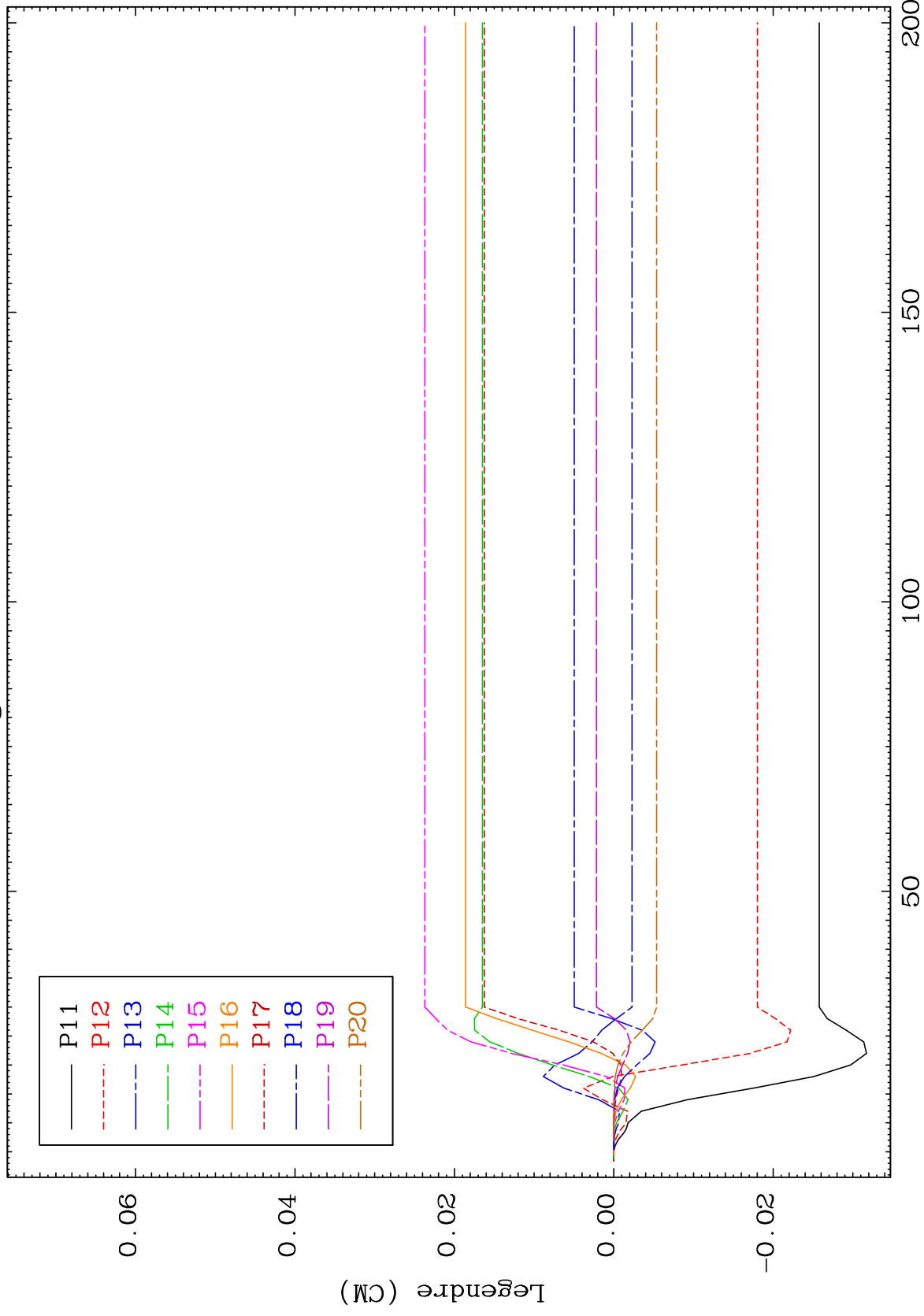


92

MAT 8401

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

84-Po-198



93

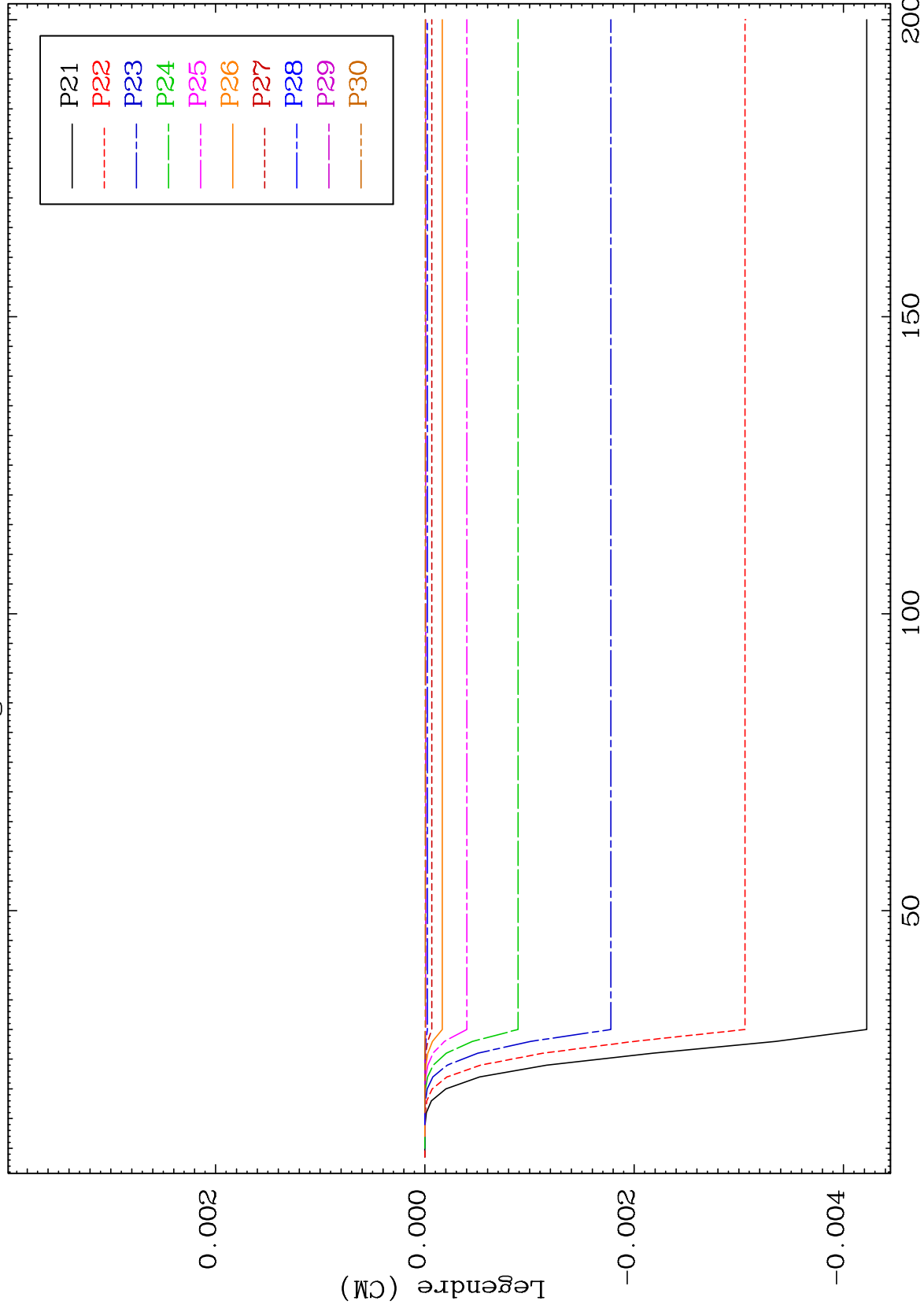
Incident Energy (MeV)

84-Po-198

MAT 8401

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

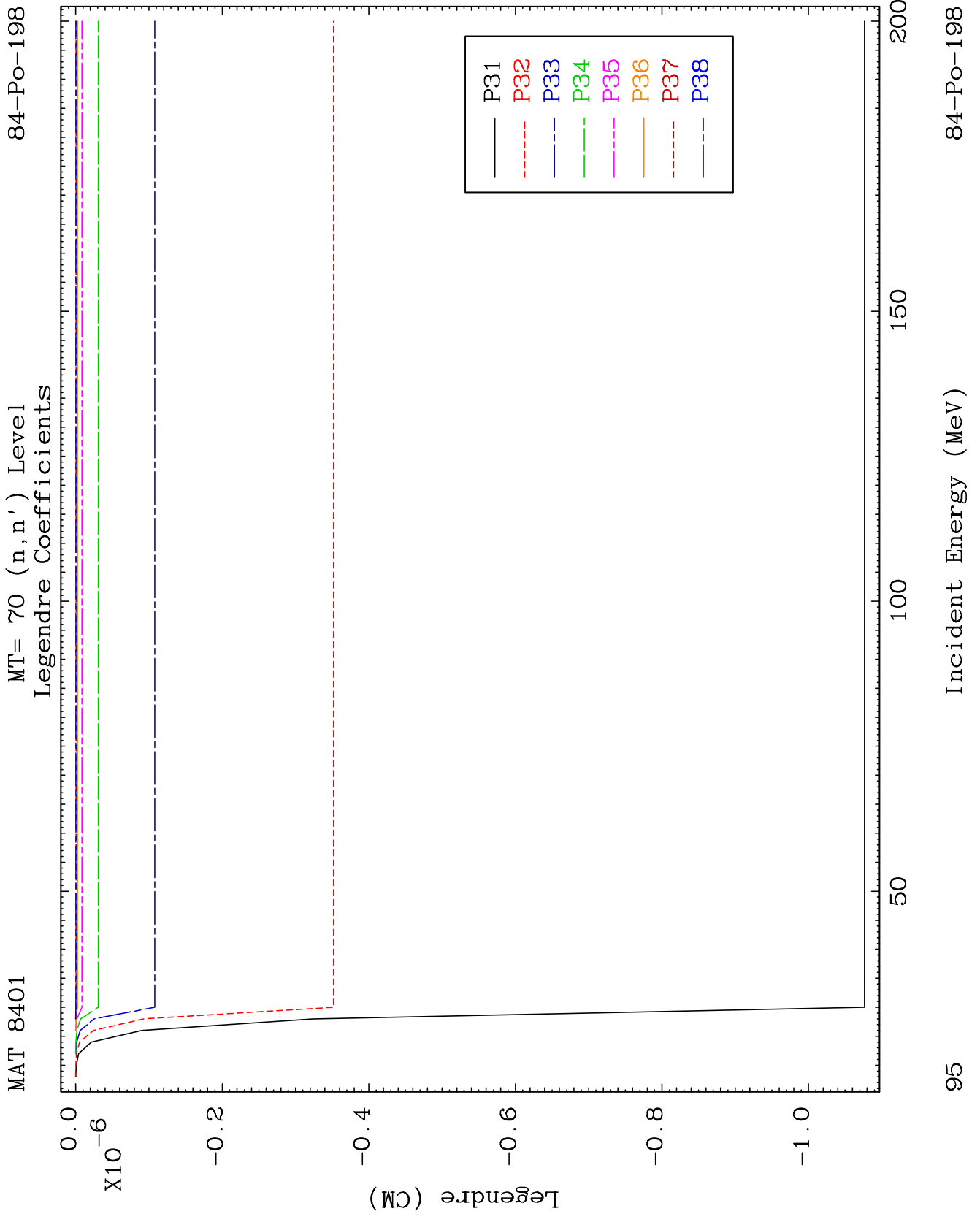
84-Po-198



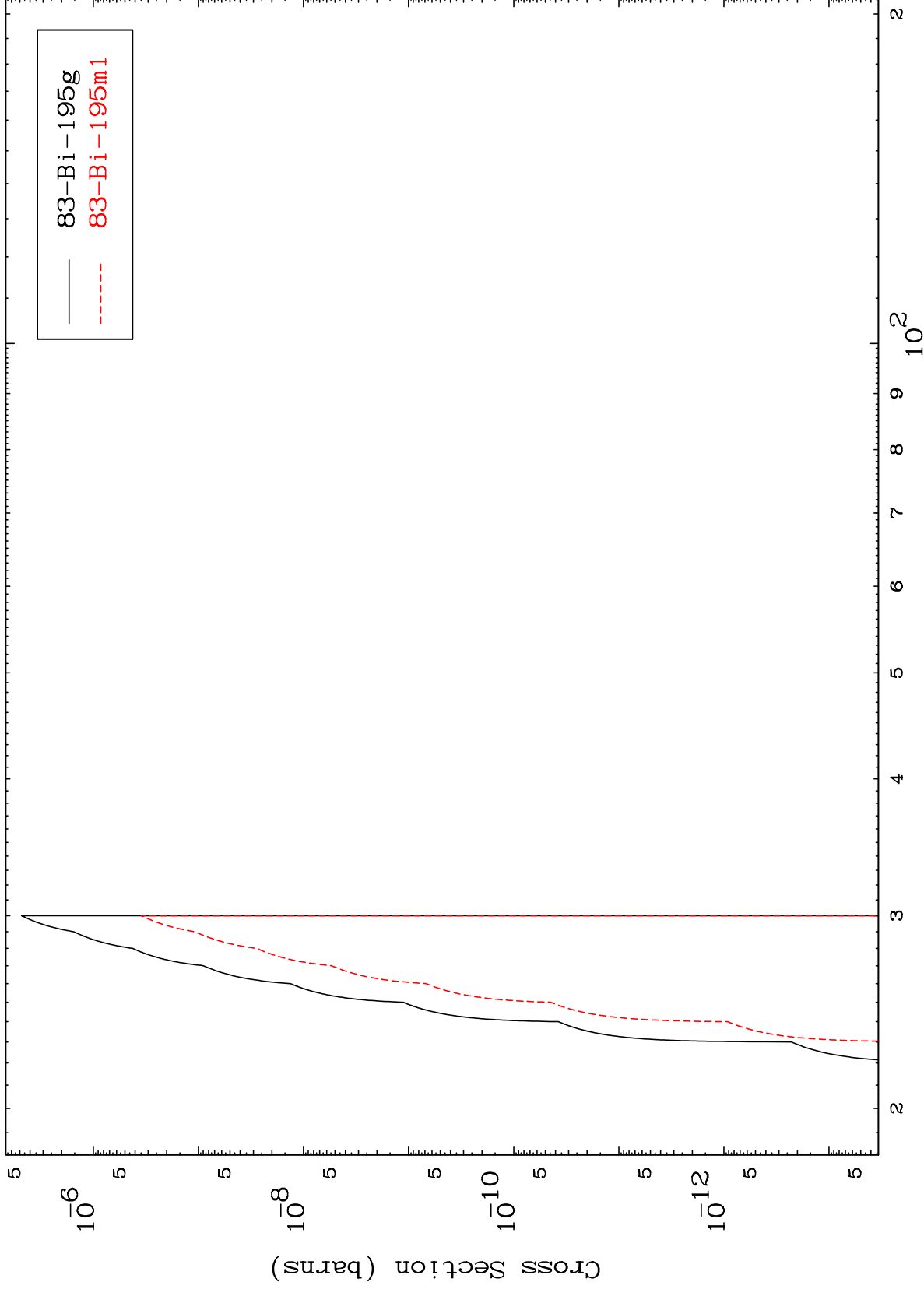
94

Incident Energy (MeV)

84-Po-198



Radionuclide Production Cross Section

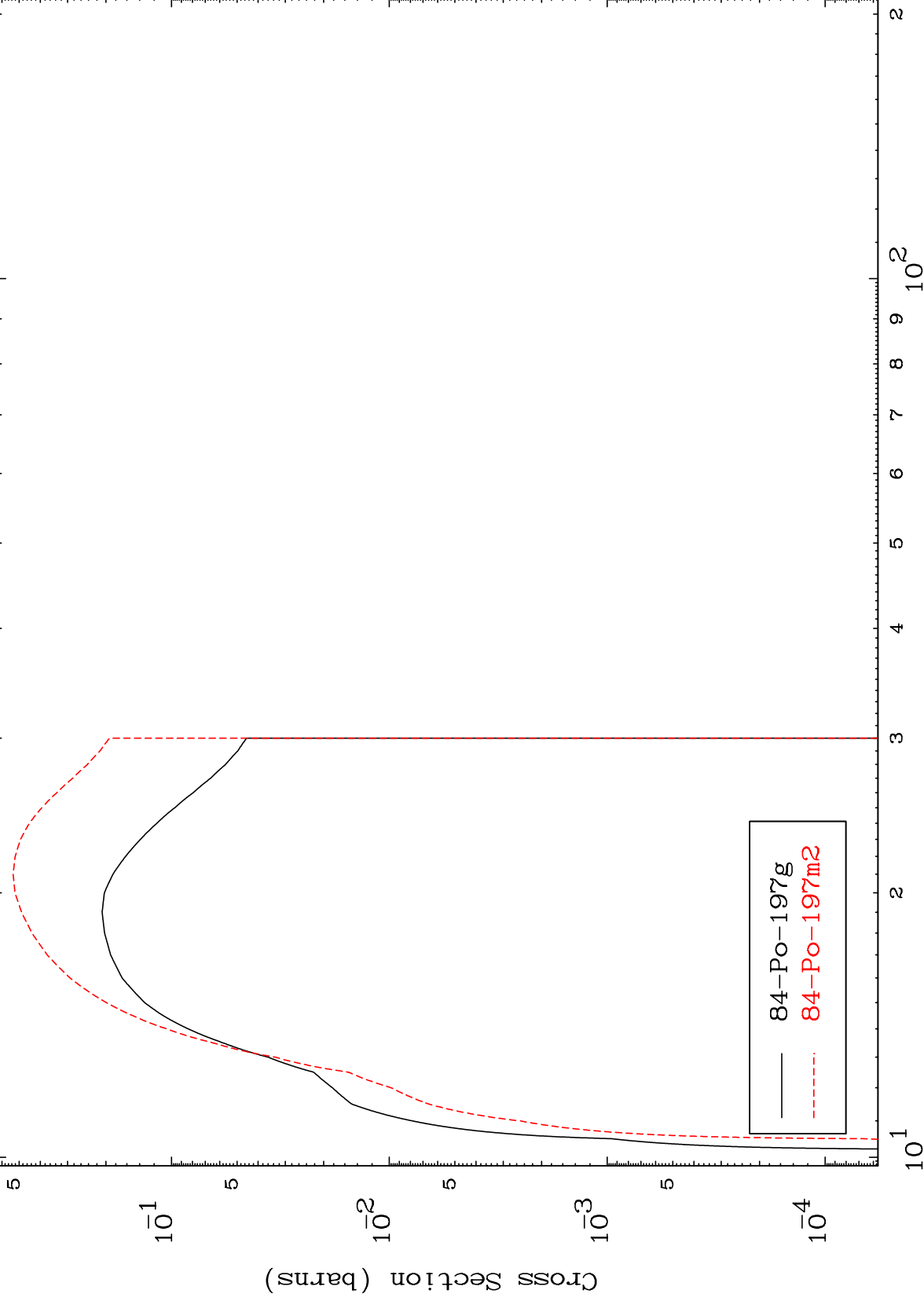


MAT 8401

(n,2n)

84-Po-198

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-198

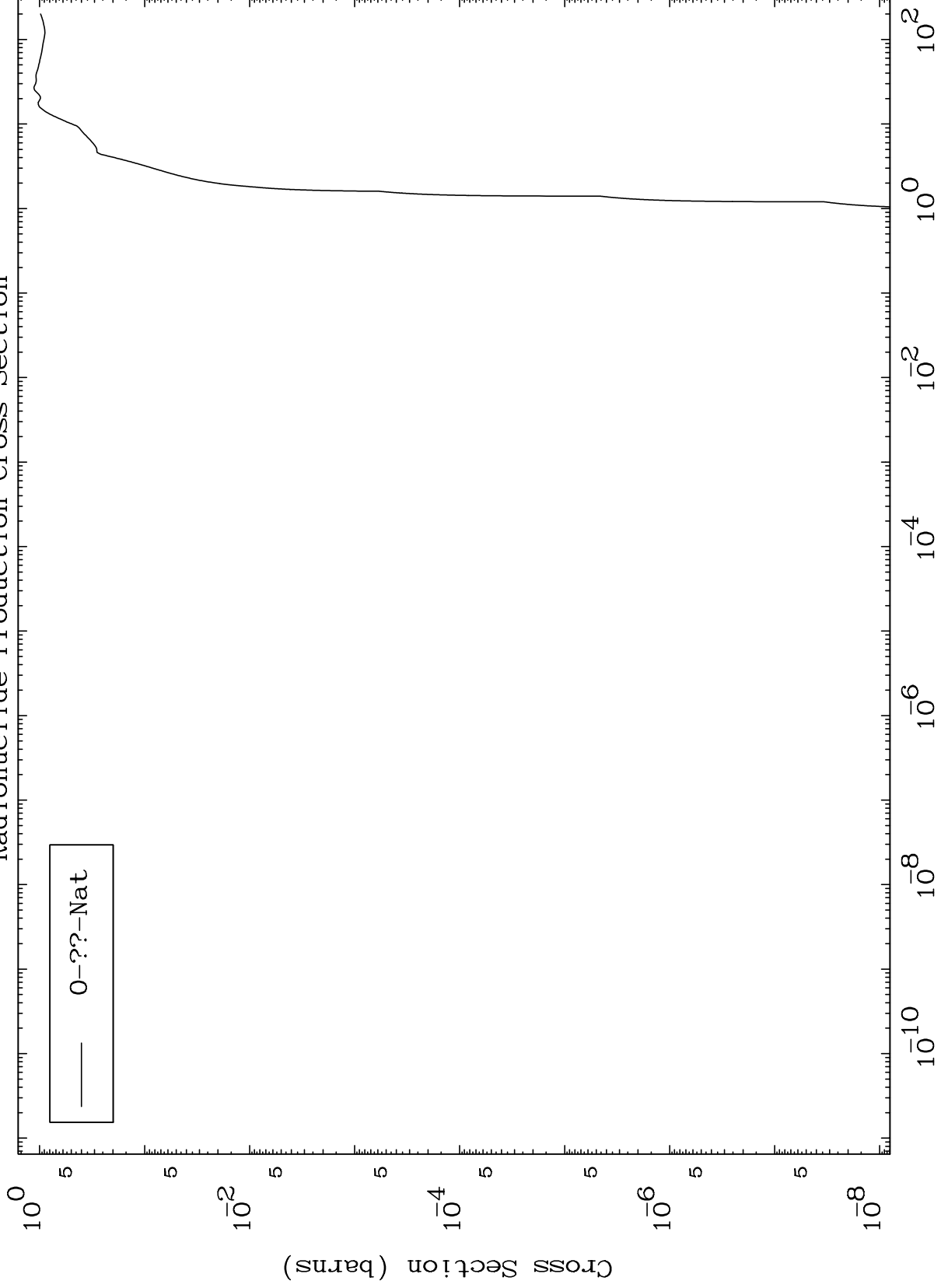
97

MAT 8401

Fission

84-Po-198

Radionuclide Production Cross Section



98

Incident Energy (MeV)

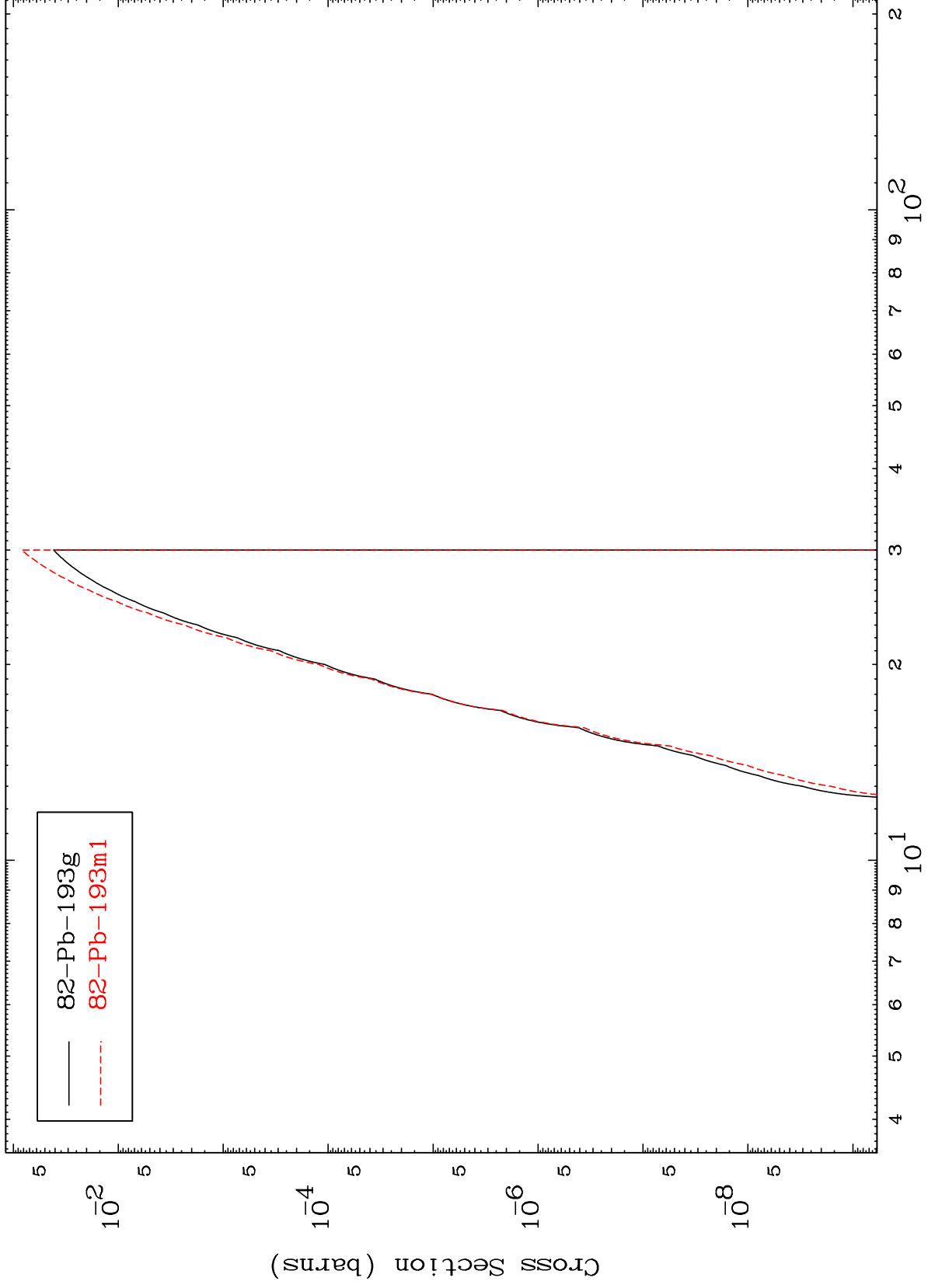
84-Po-198

MAT 8401

$(n,2n) \alpha$

84-Po-198

Radionuclide Production Cross Section



— 82-Pb-193g
- - - 82-Pb-193m1

99

Incident Energy (MeV)

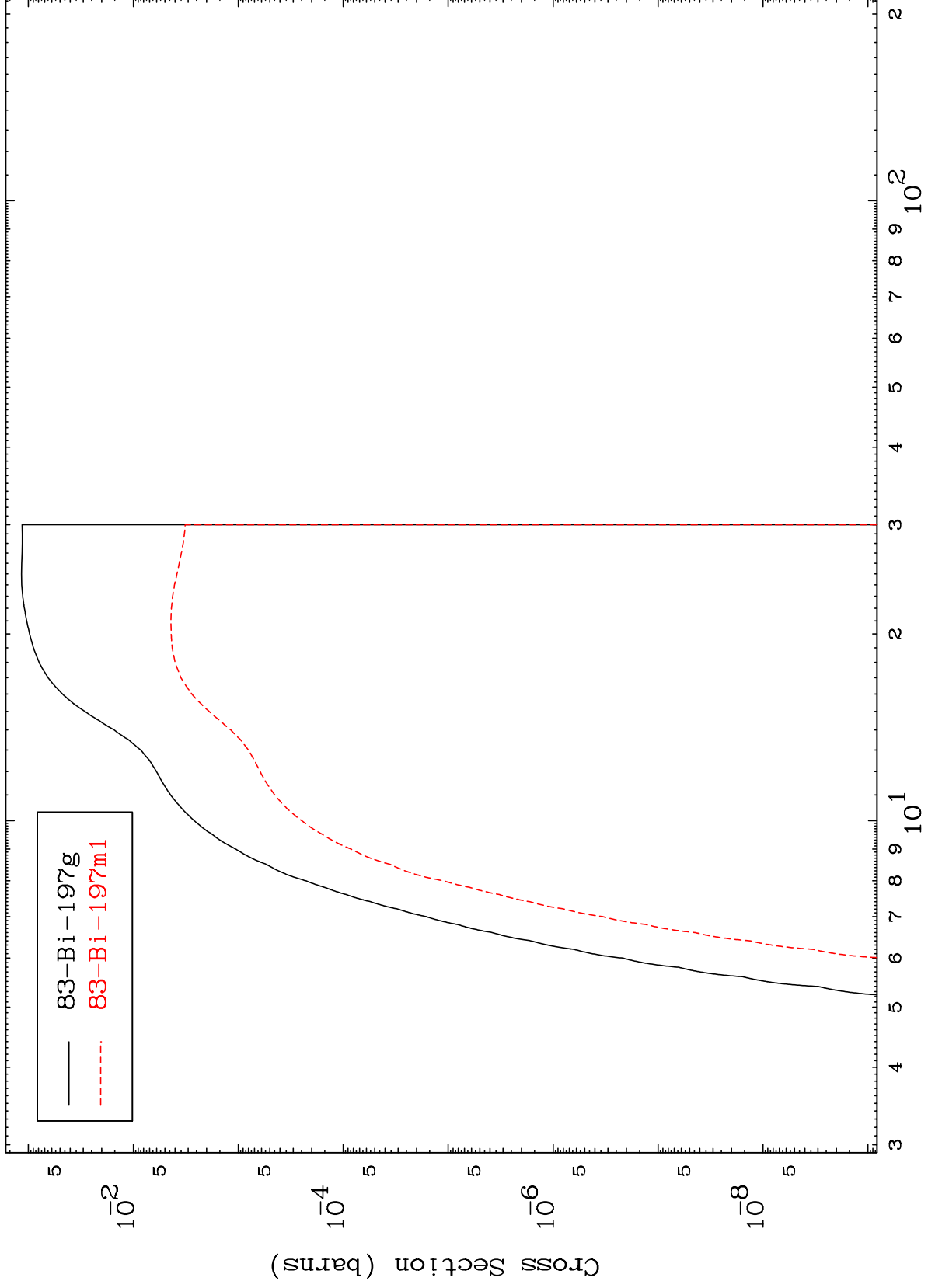
84-Po-198

MAT 8401

(n,n') p

84-Po-198

Radionuclide Production Cross Section



100

Incident Energy (MeV)

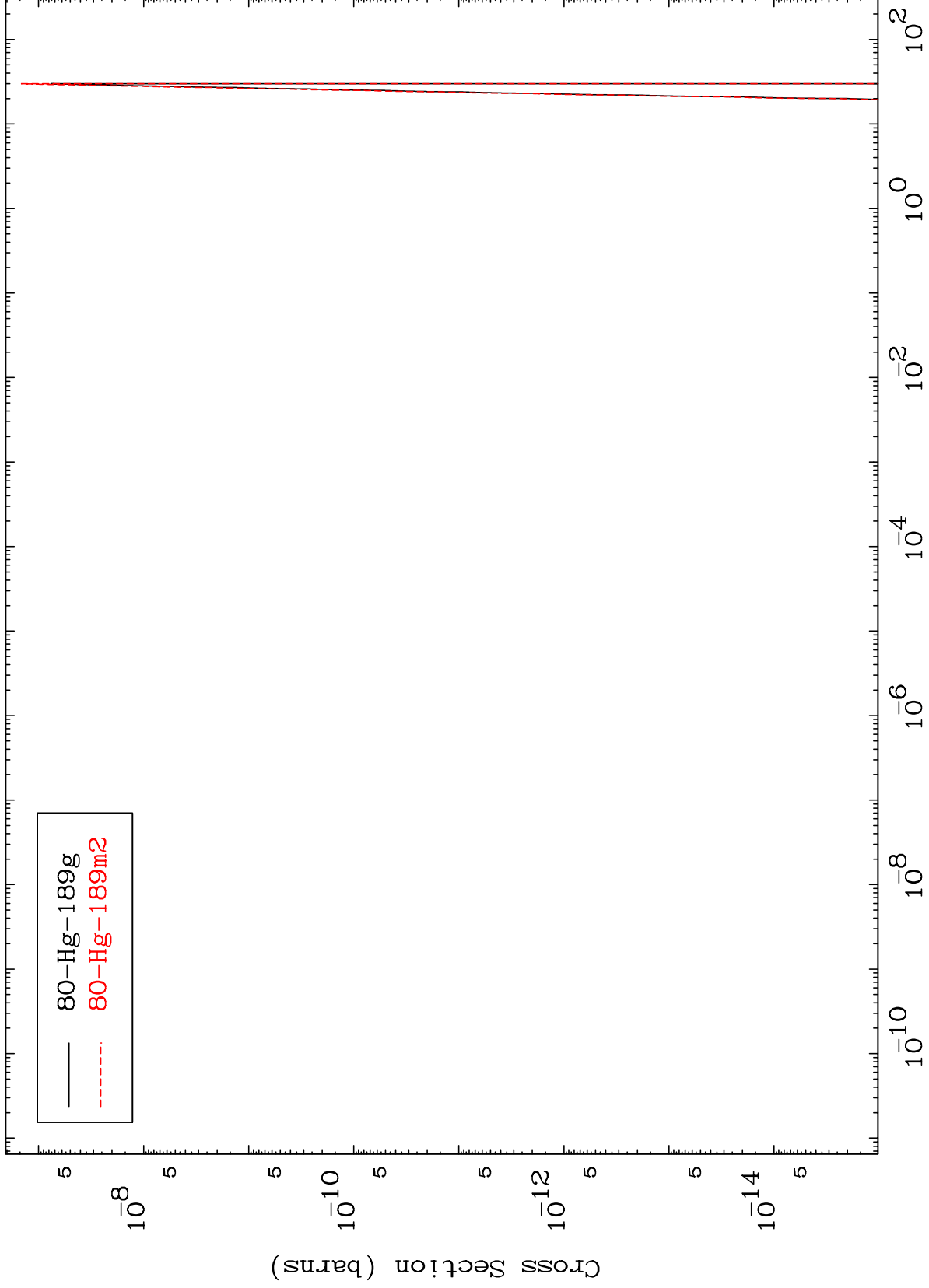
84-Po-198

MAT 8401

$(n,2n) 2\alpha$

84-Po-198

Radionuclide Production Cross Section



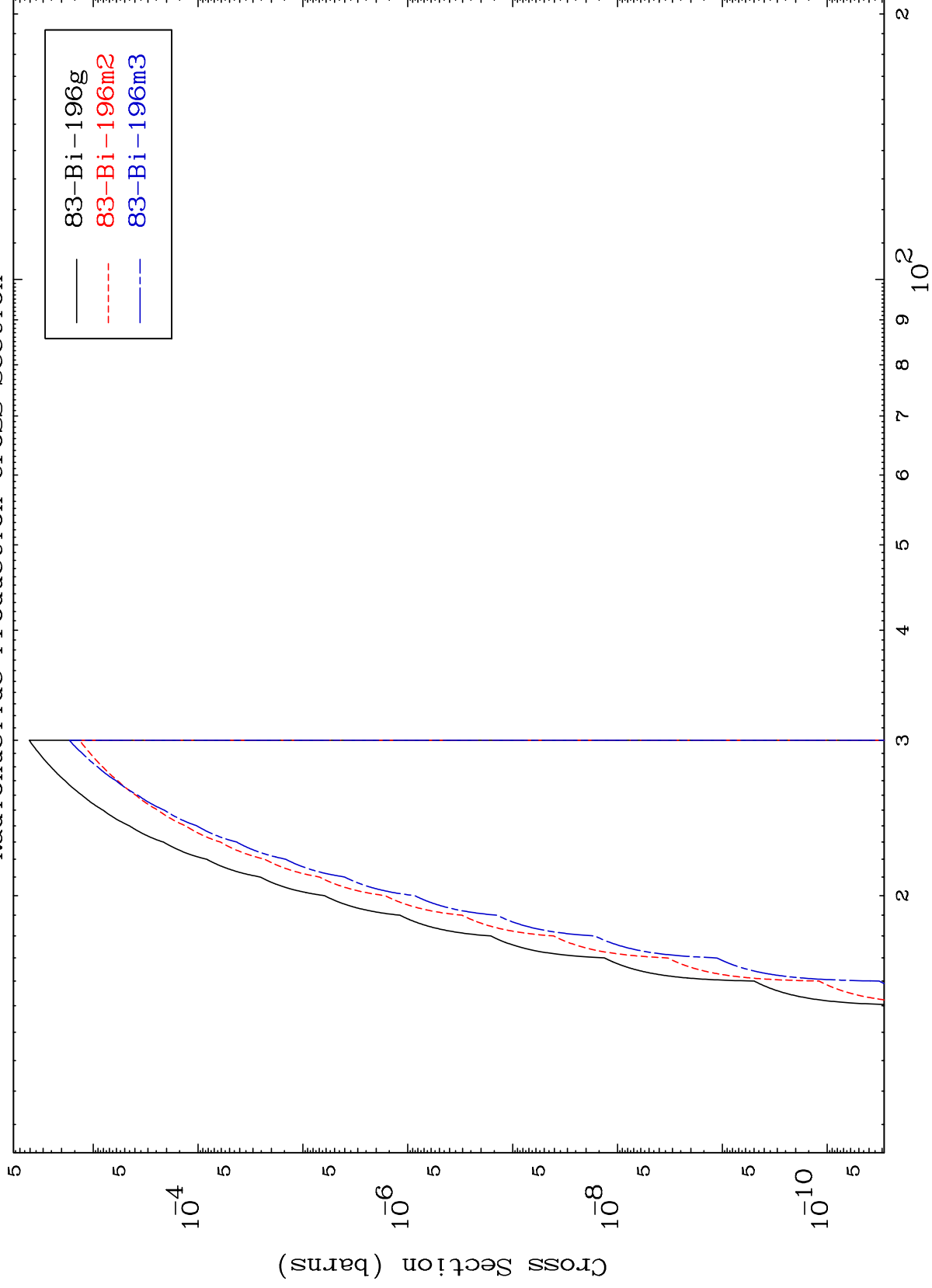
80-Hg-189g
80-Hg-189m2

101

Incident Energy (MeV)

84-Po-198

Radionuclide Production Cross Section

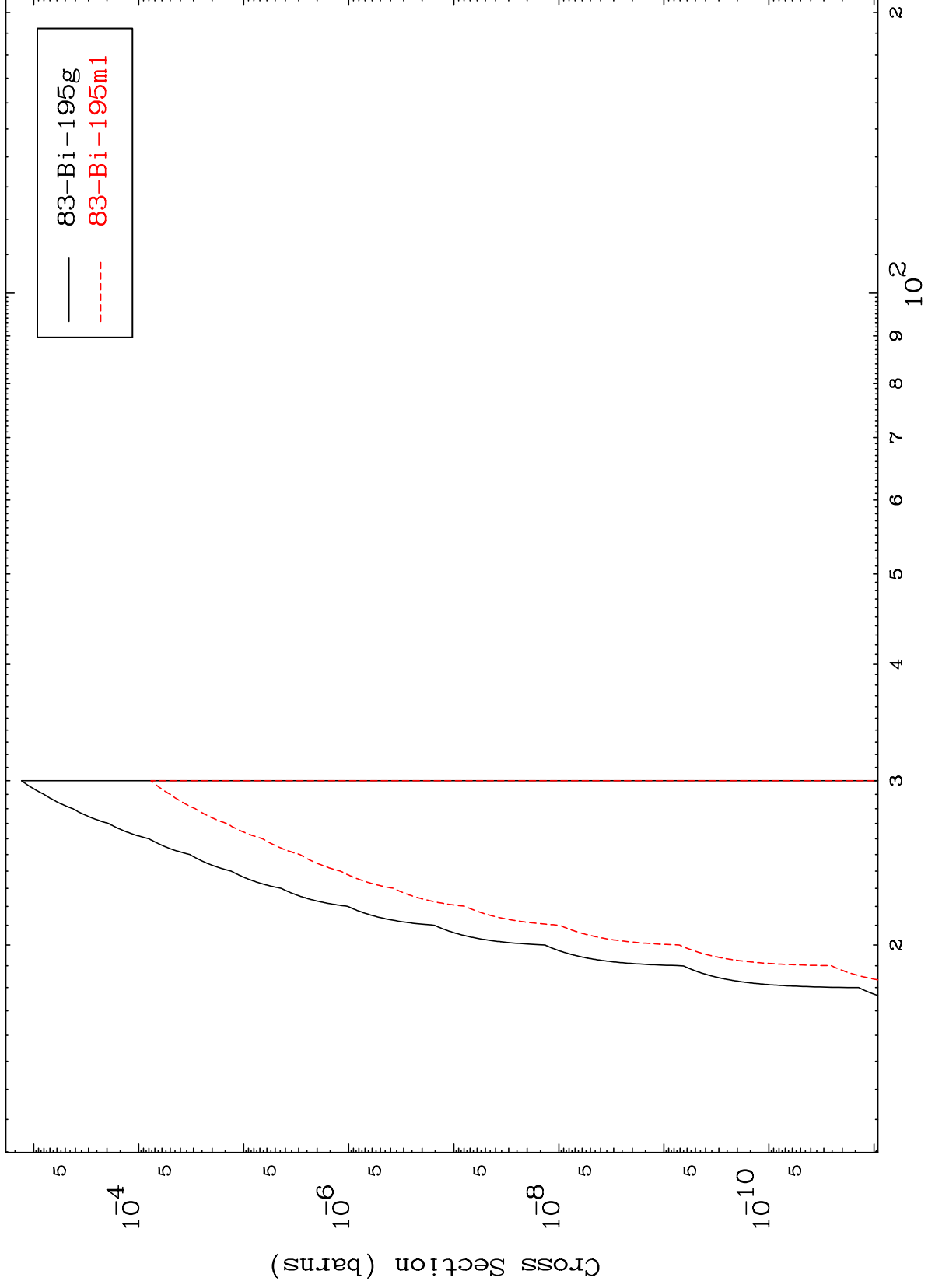


MAT 8401

(n,n') t

84-Po-198

Radionuclide Production Cross Section



103

Incident Energy (MeV)

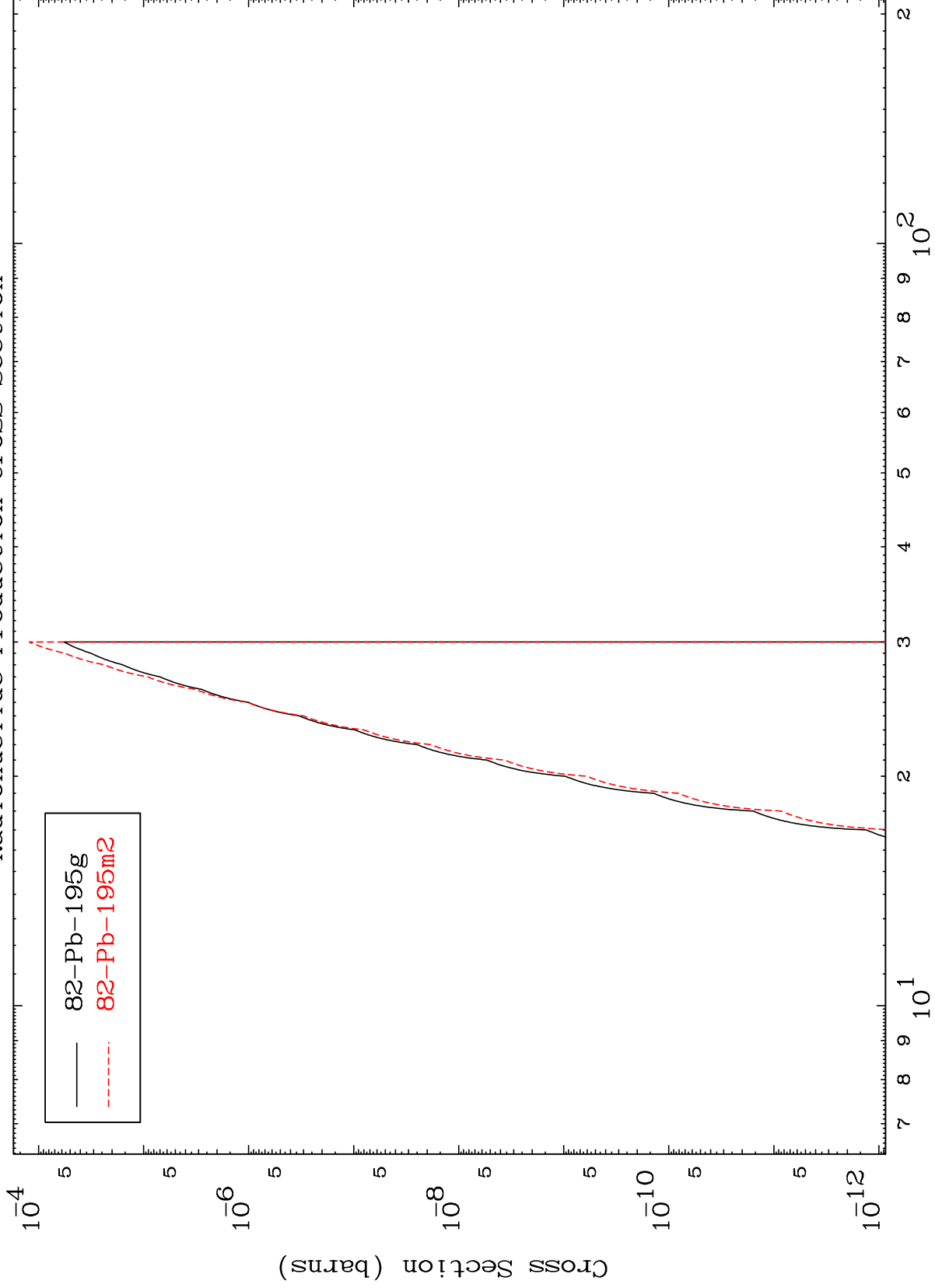
84-Po-198

MAT 8401

(n,n') He-3

84-Po-198

Radionuclide Production Cross Section



104

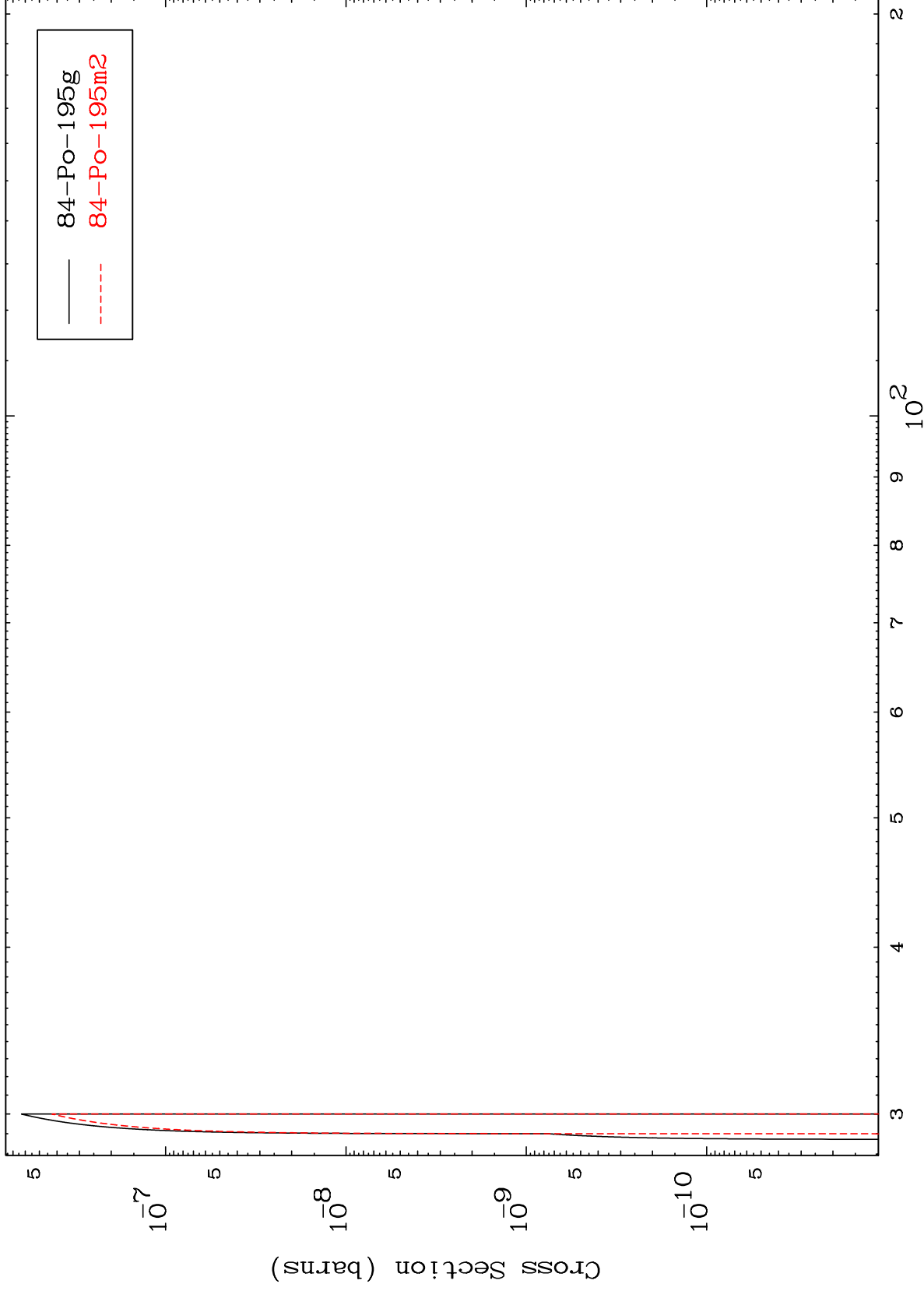
Incident Energy (MeV)

84-Po-198

MAT 8401

84-Po-198

(n,4n)
Radionuclide Production Cross Section

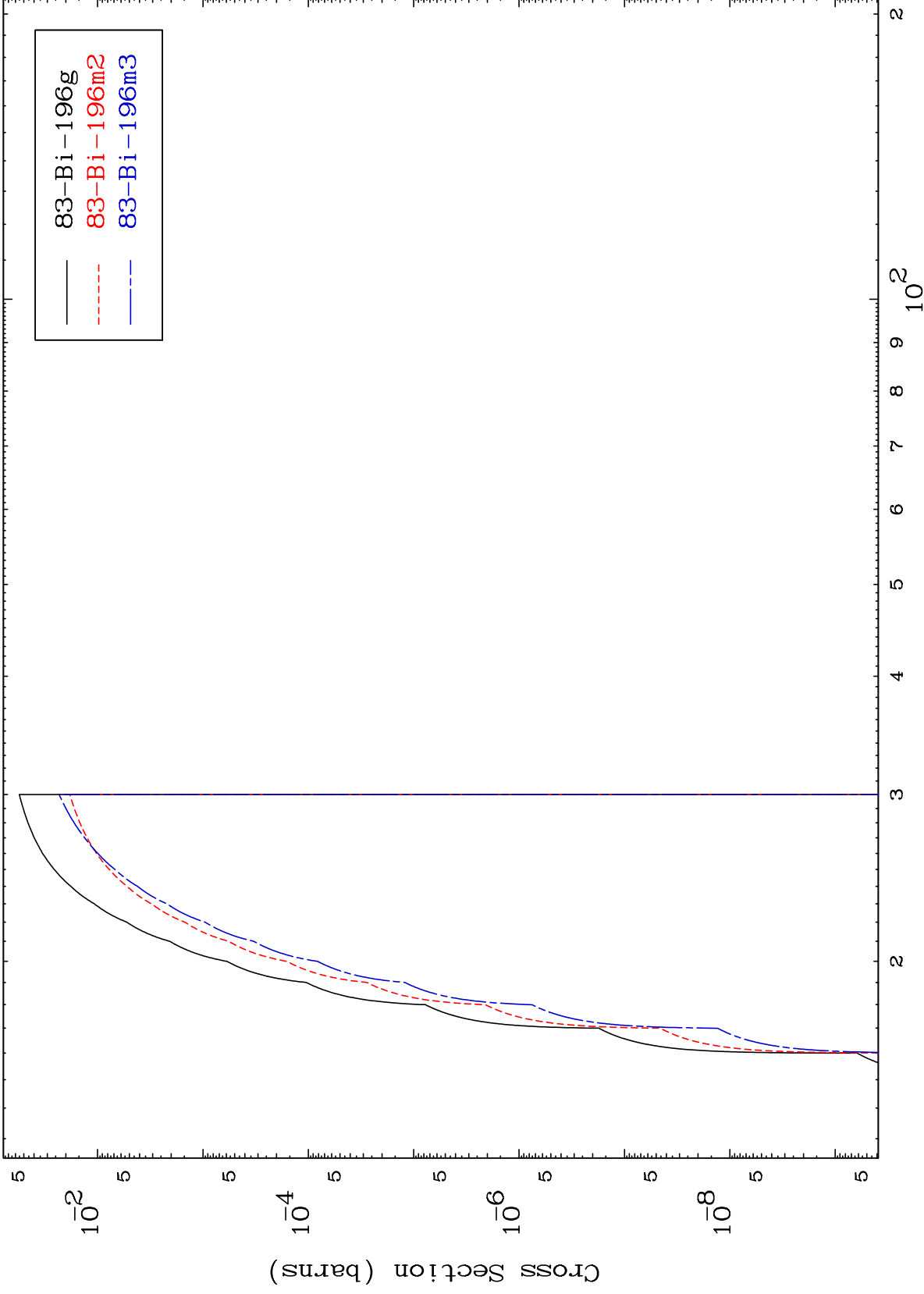


105

84-Po-198

Incident Energy (MeV)

Radionuclide Production Cross Section

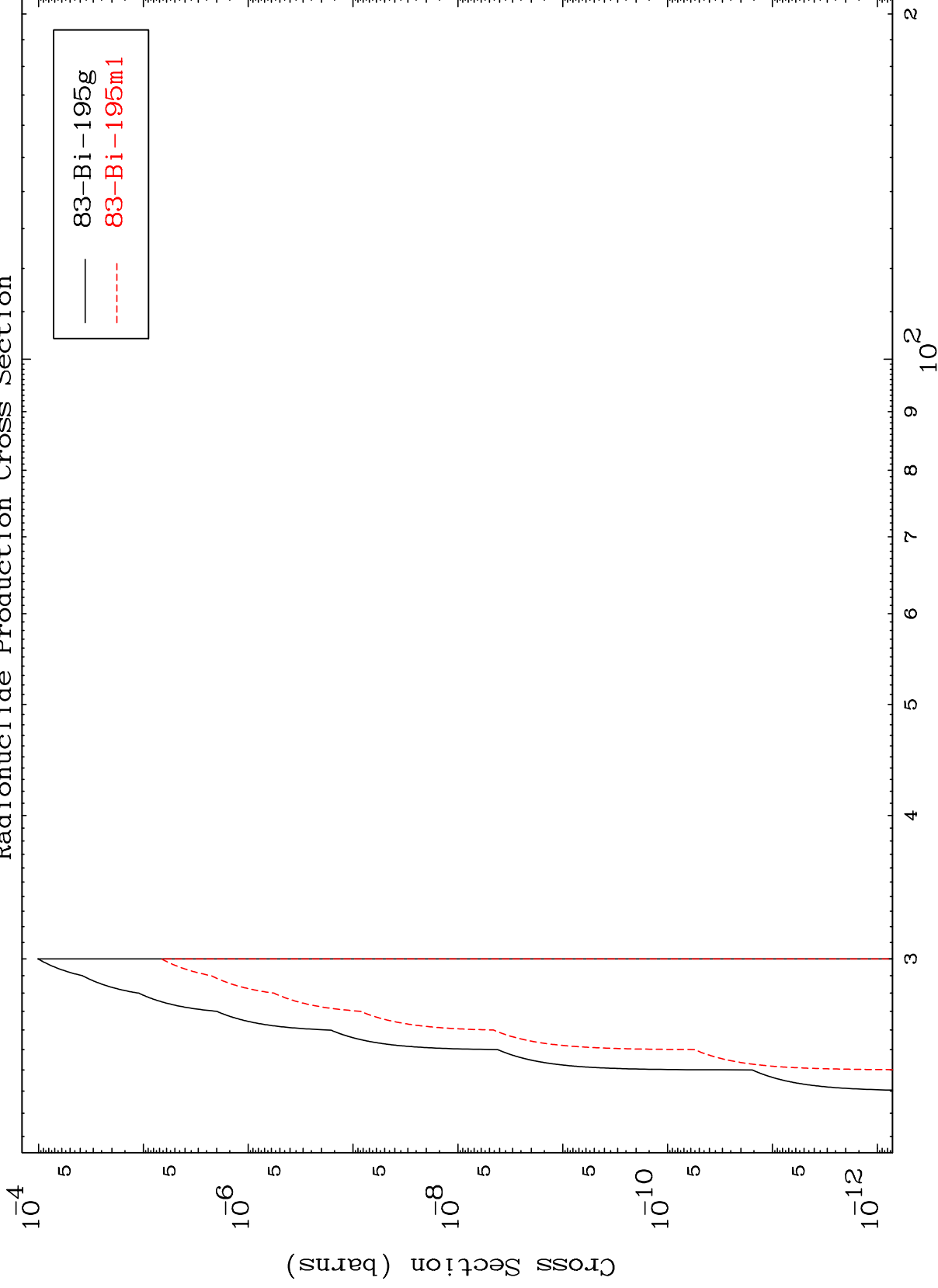


MAT 8401

(n,3n) p

84-Po-198

Radionuclide Production Cross Section



107

Incident Energy (MeV)

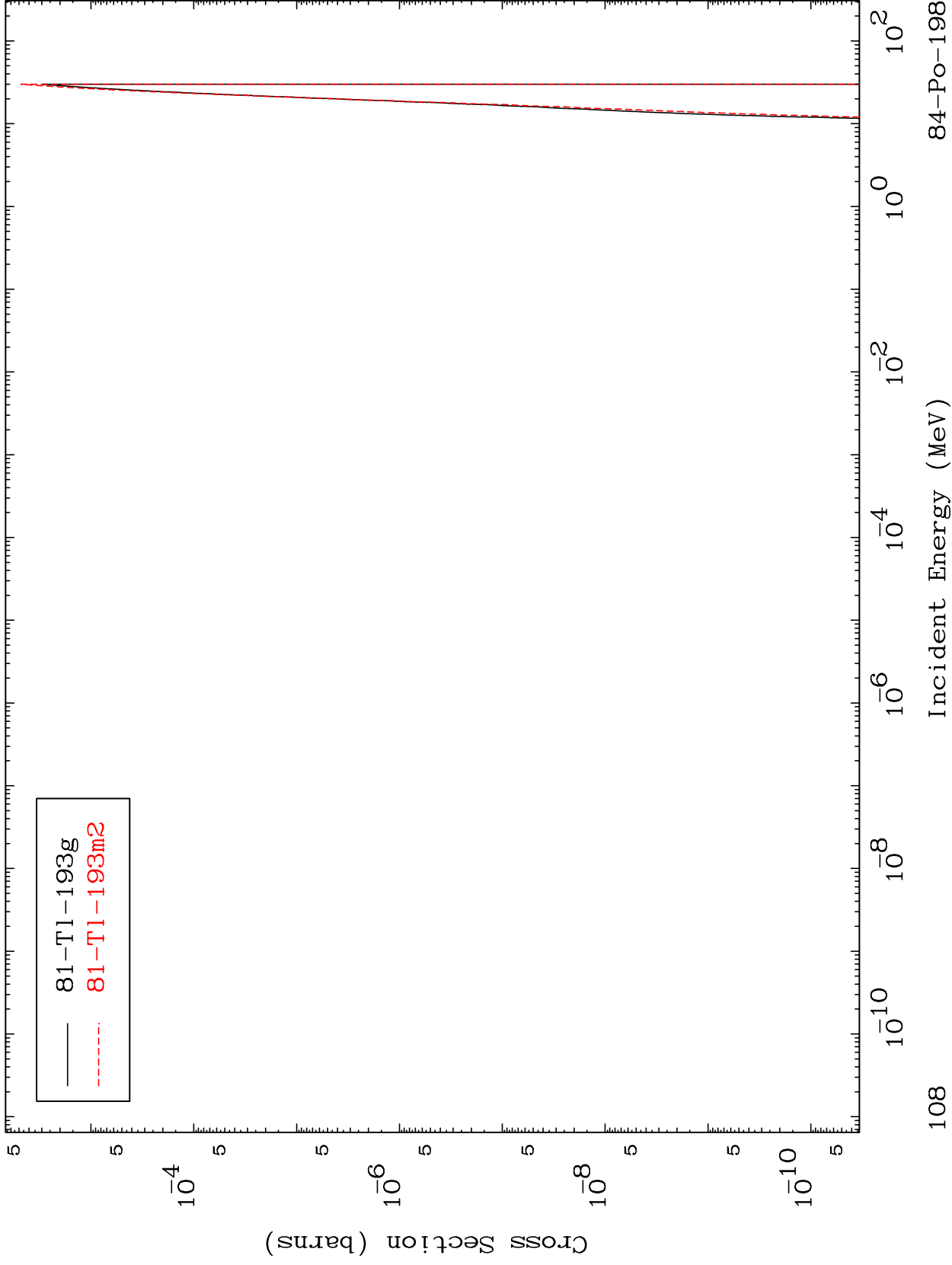
84-Po-198

MAT 8401

(n,n') p α

84-Po-198

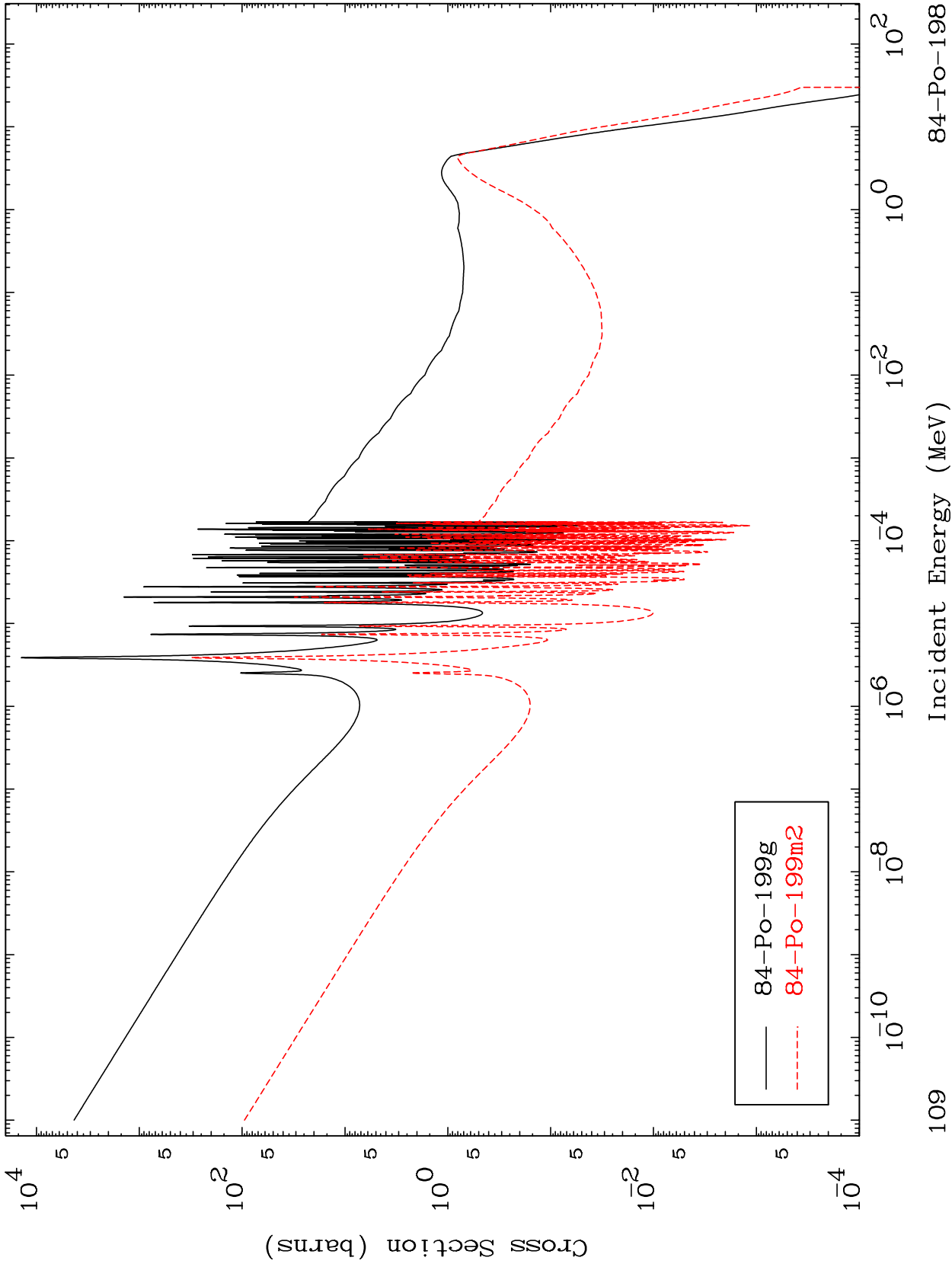
Radionuclide Production Cross Section



MAT 8401

84-Po-198

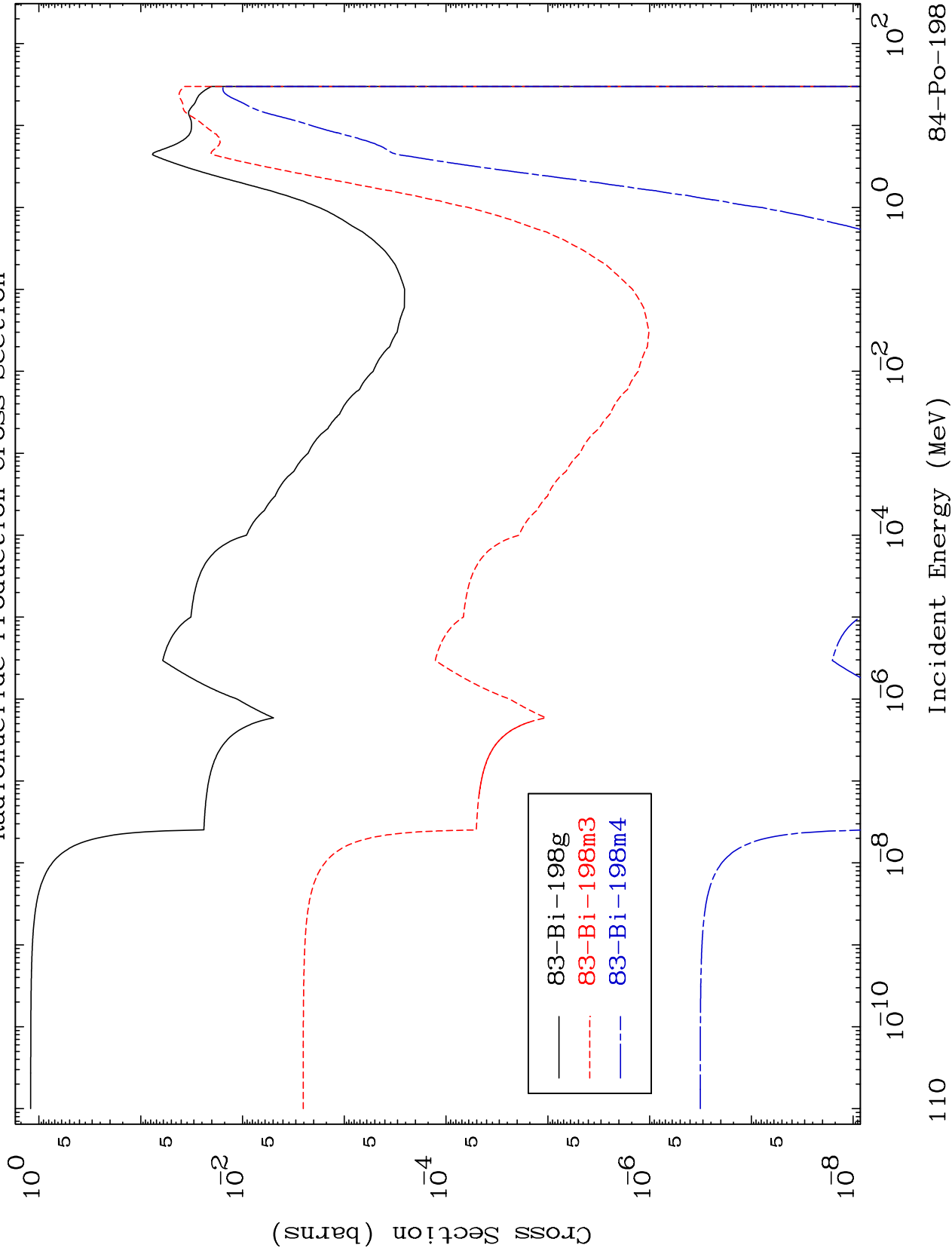
(n, γ)
Radionuclide Production Cross Section



MAT 8401

84-Po-198

(n,p)
Radionuclide Production Cross Section

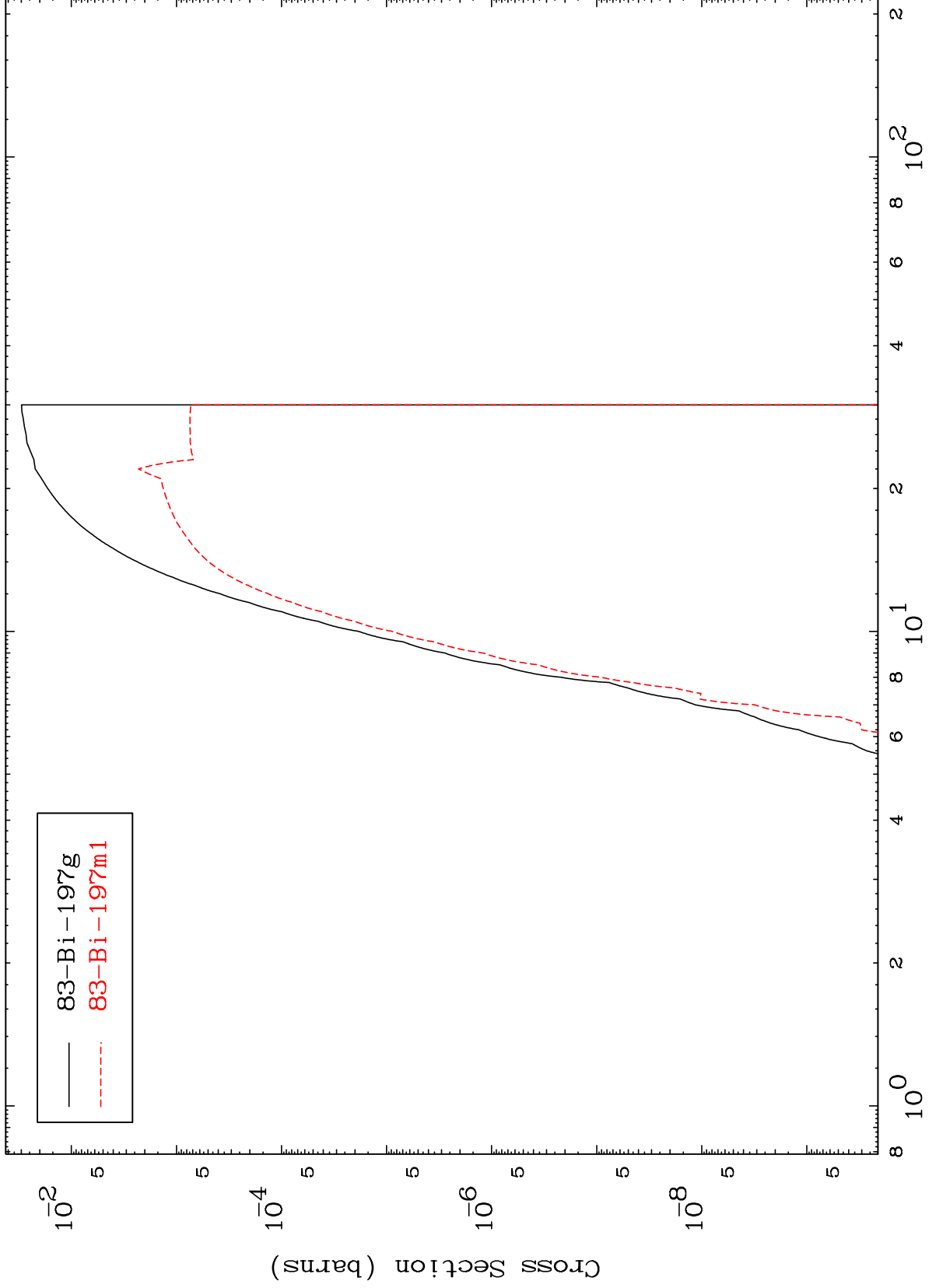


MAT 8401

(n,d)

84-Po-198

Radionuclide Production Cross Section



111

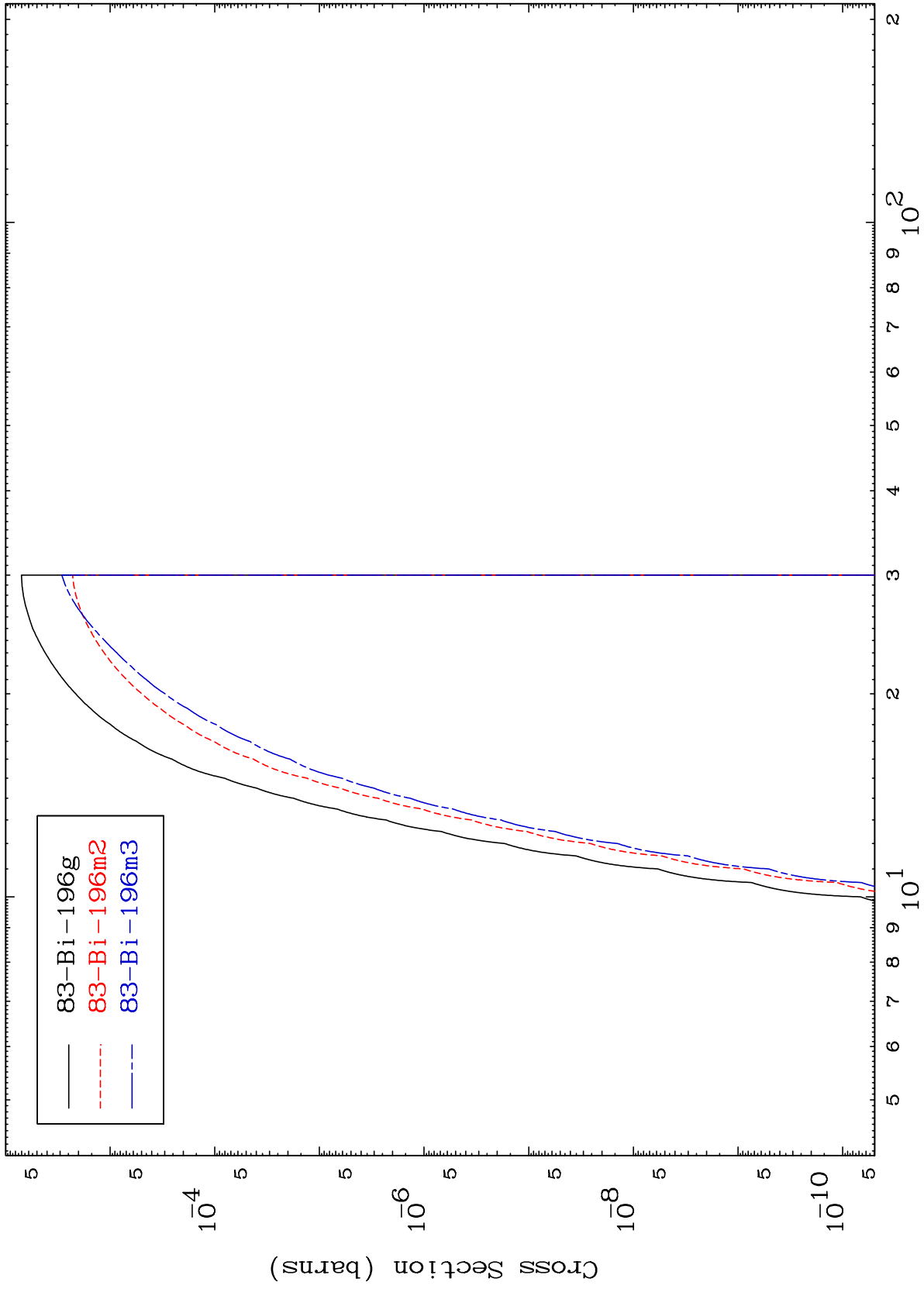
Incident Energy (MeV)

84-Po-198

MAT 8401

84-Po-198

(n, t)
Radionuclide Production Cross Section



84-Po-198

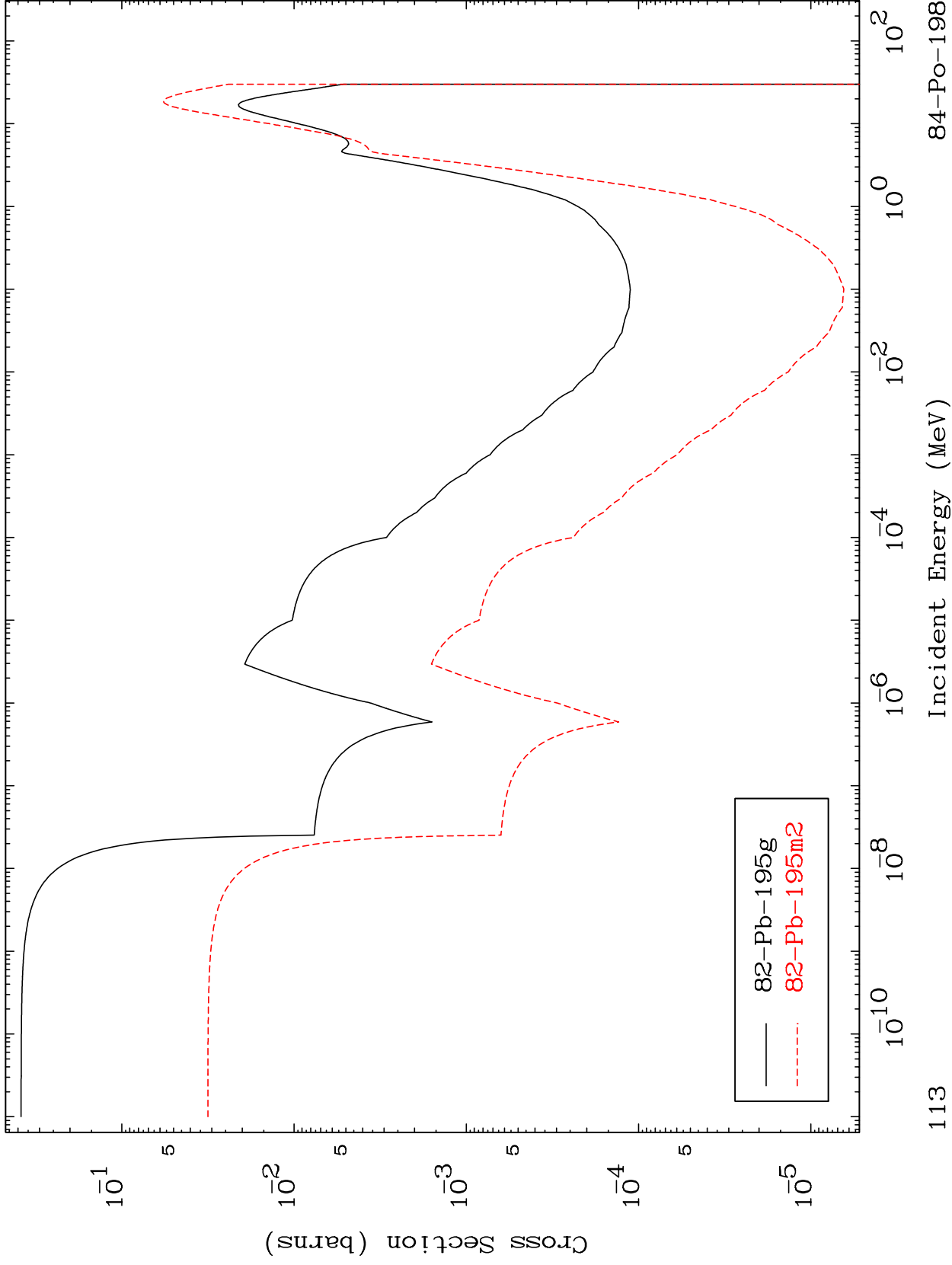
Incident Energy (MeV)

112

MAT 8401

84-Po-198

Radionuclide Production Cross Section
(n, α)

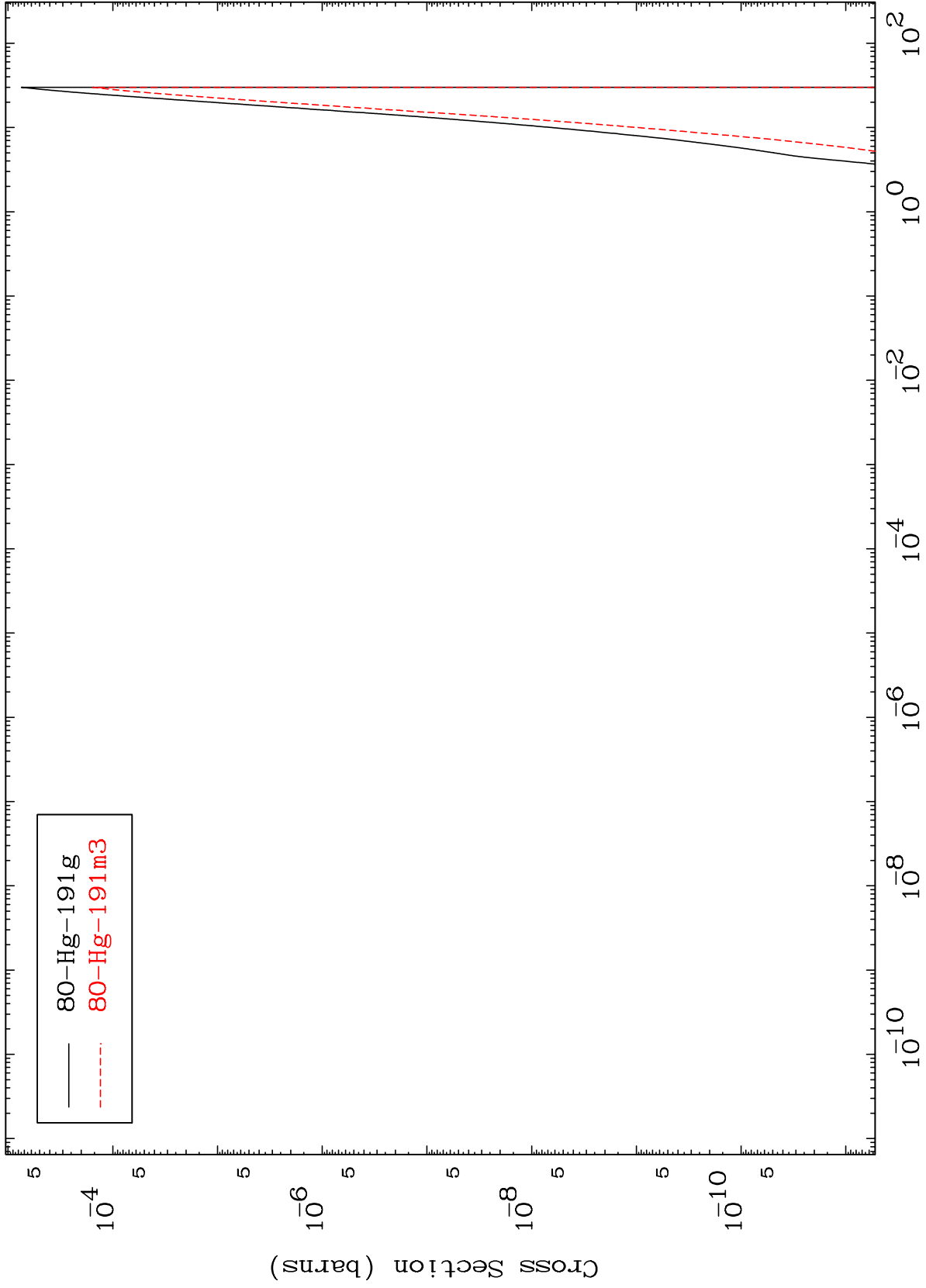


MAT 8401

(n,2α)

84-Po-198

Radionuclide Production Cross Section



80-Hg-191 g
80-Hg-191 m3

Incident Energy (MeV)

84-Po-198

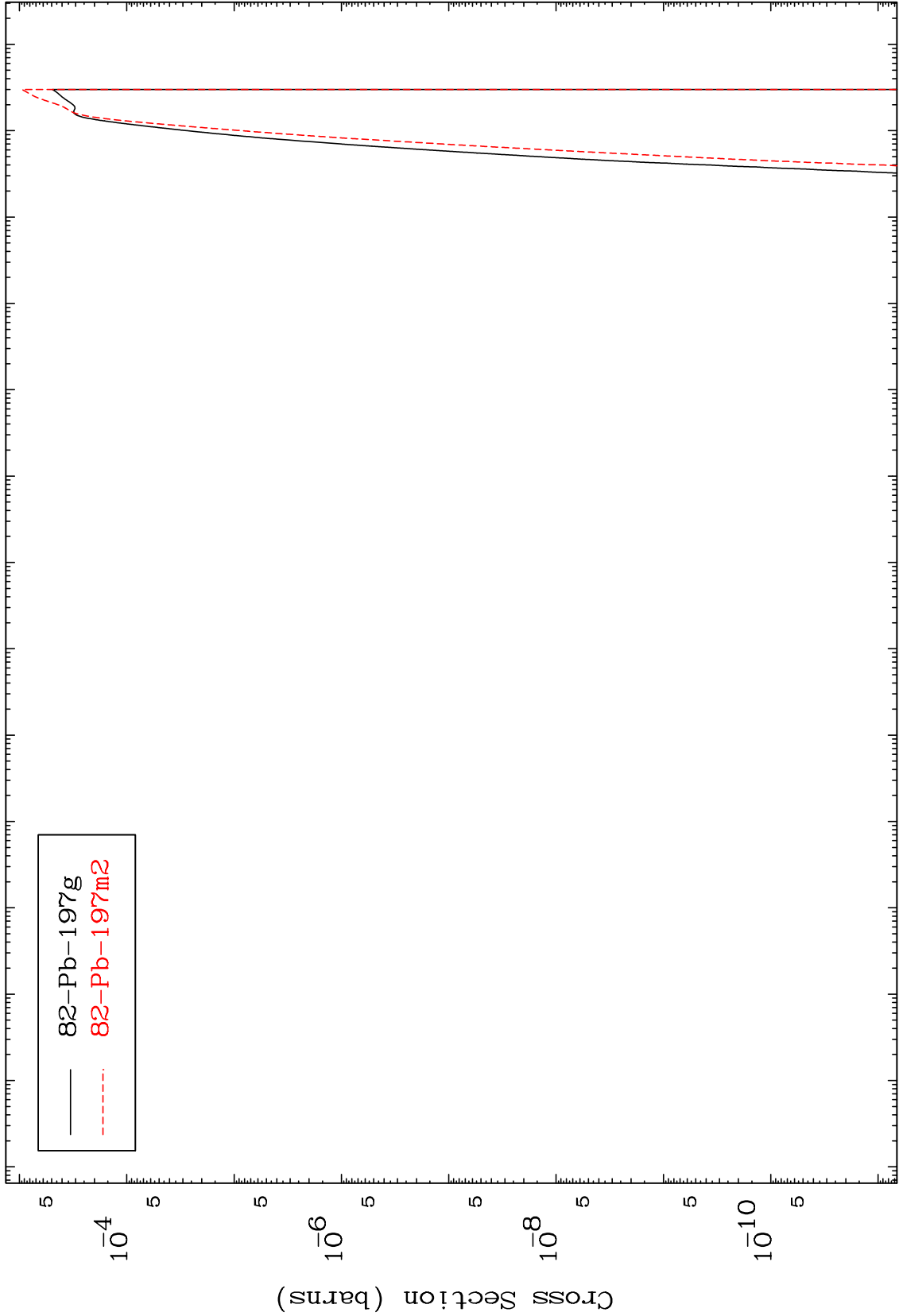
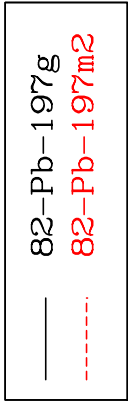
114

MAT 8401

(n,2p)

84-Po-198

Radionuclide Production Cross Section



84-Po-198

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10⁰

10²

Incident Energy (MeV)

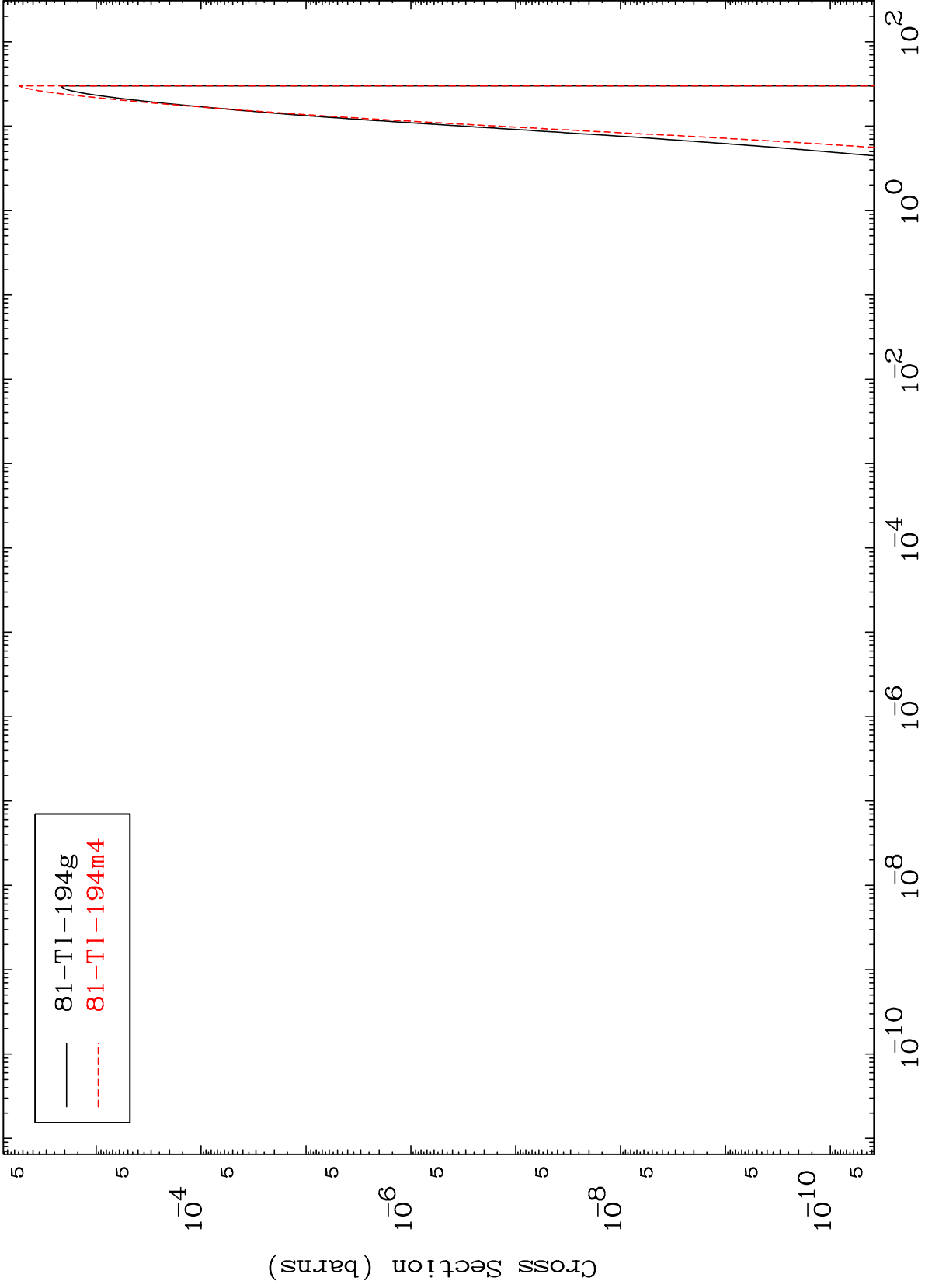
115

MAT 8401

(n,p) α

84-Po-198

Radionuclide Production Cross Section

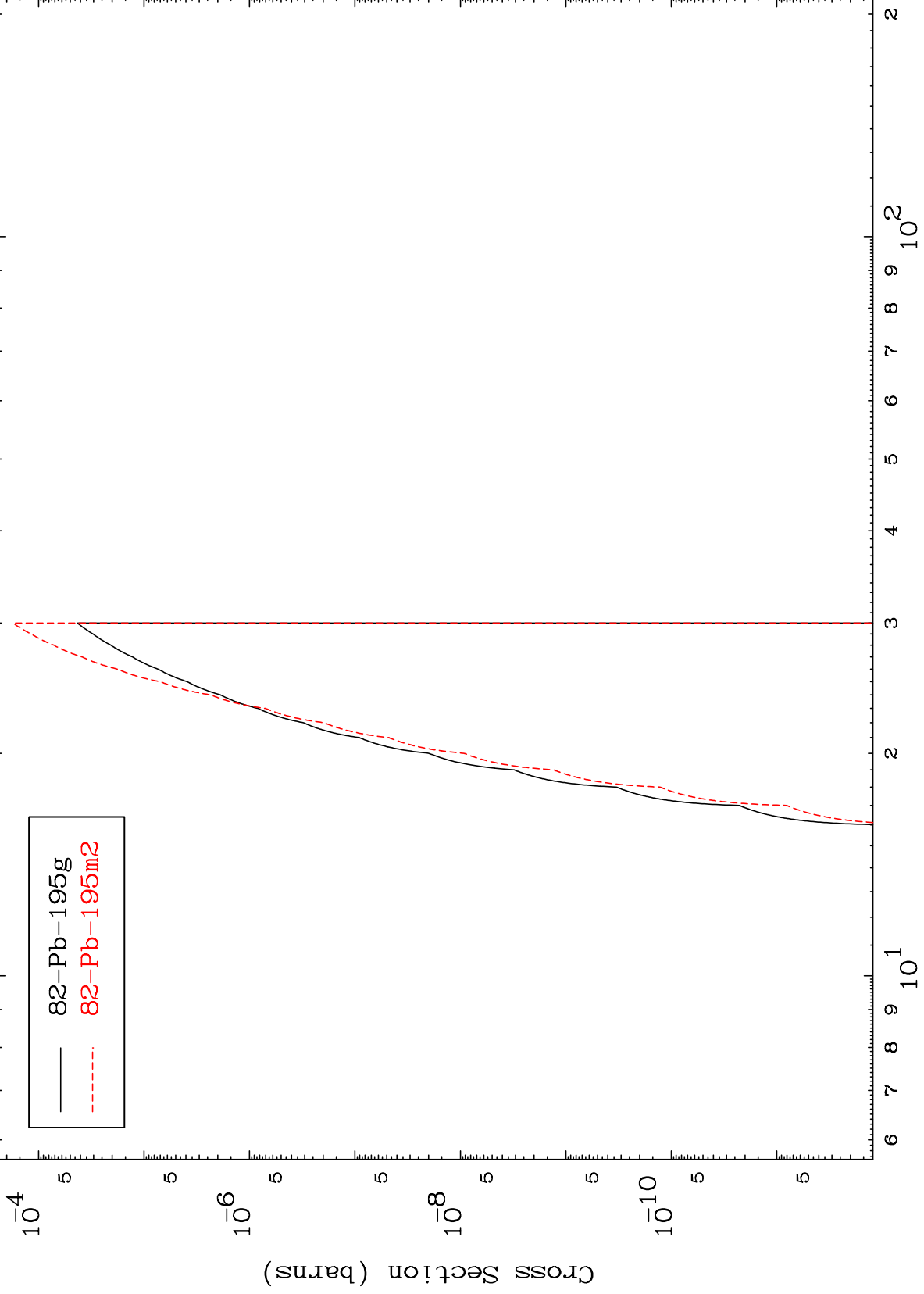


MAT 8401

(n,p) t

84-Po-198

Radionuclide Production Cross Section



82-Pb-195g
82-Pb-195m2

117

Incident Energy (MeV)

84-Po-198

MAT 8401

(n,d) α

84-Po-198

Radionuclide Production Cross Section

