

Program EVALPLOT
(Version 2021-1)

by

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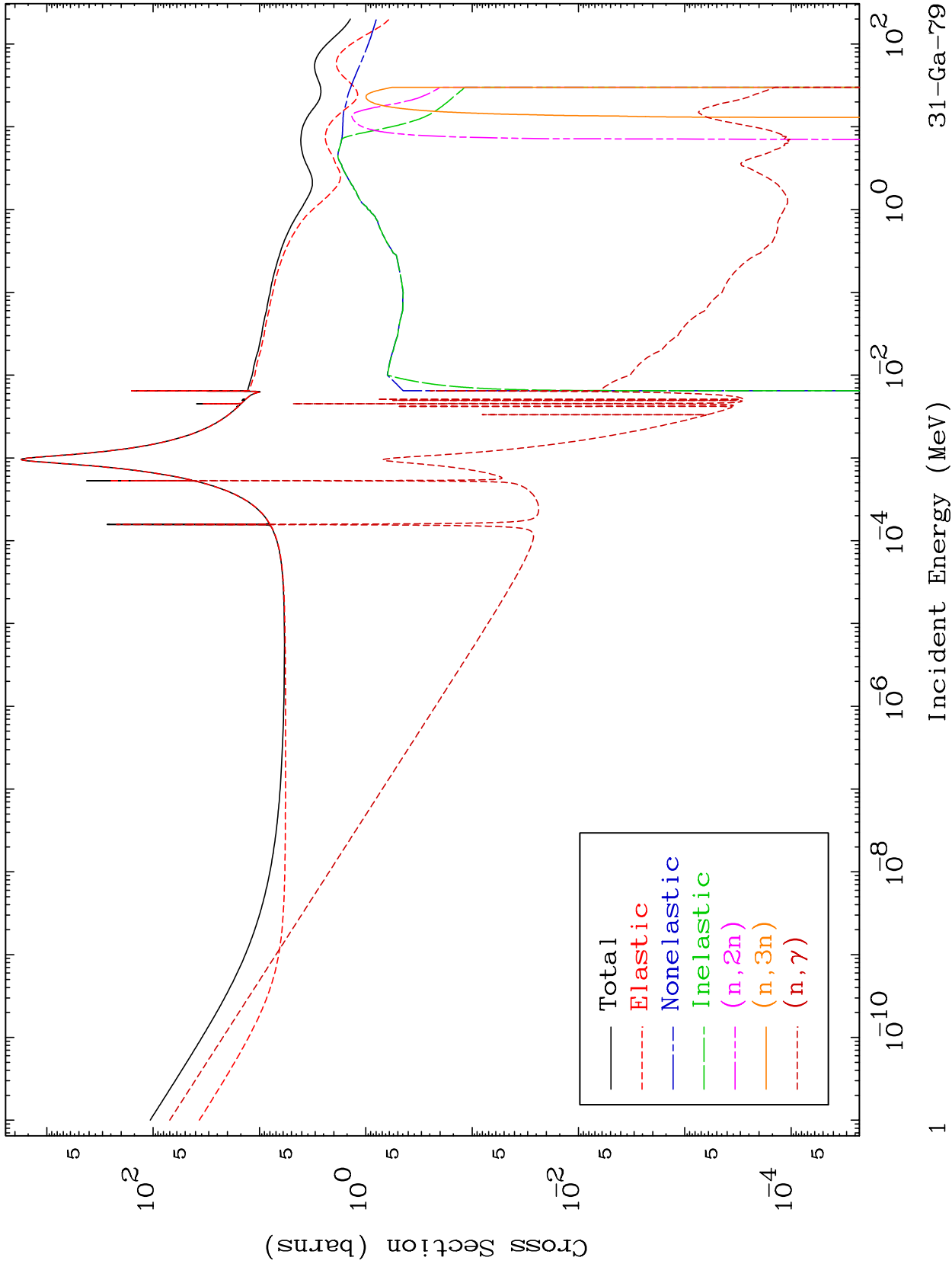
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Press Mouse Button to Start

MAT 3155

Neutron Major
293 Kelvin Cross Sections

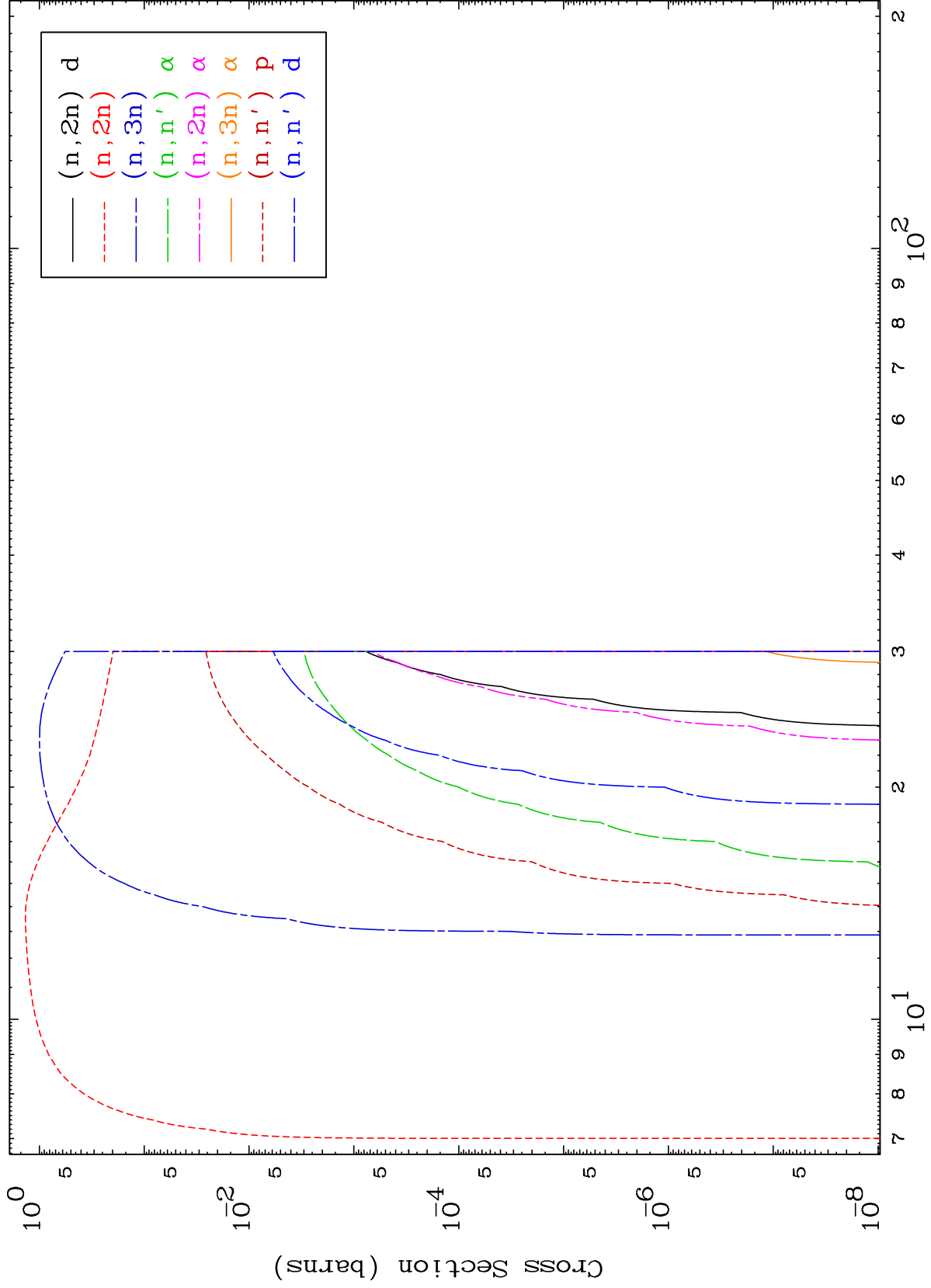
31-Ga-79



MAT 3155

Neutron Absorption
293 Kelvin Cross Sections

31-Ga-79



2

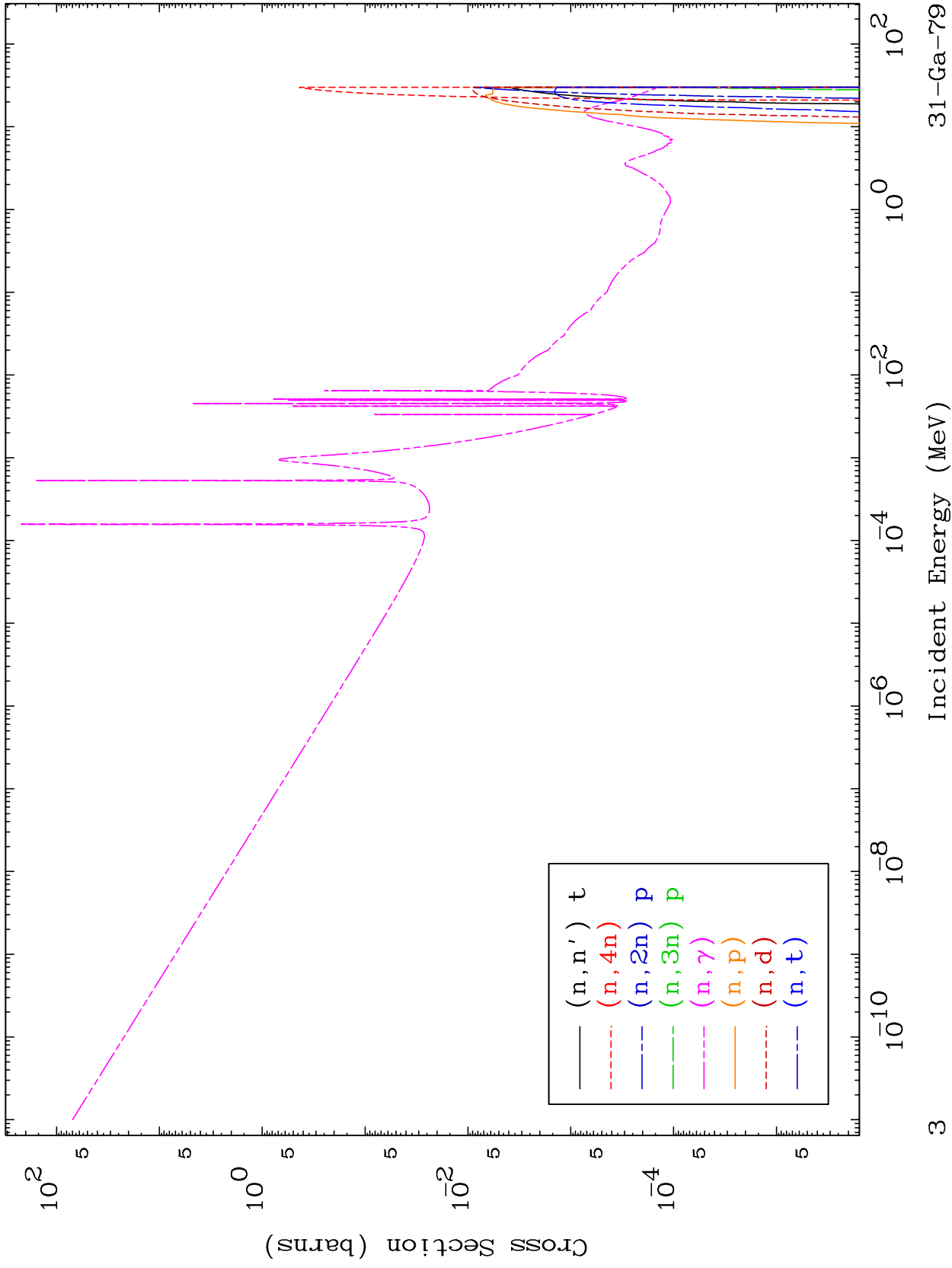
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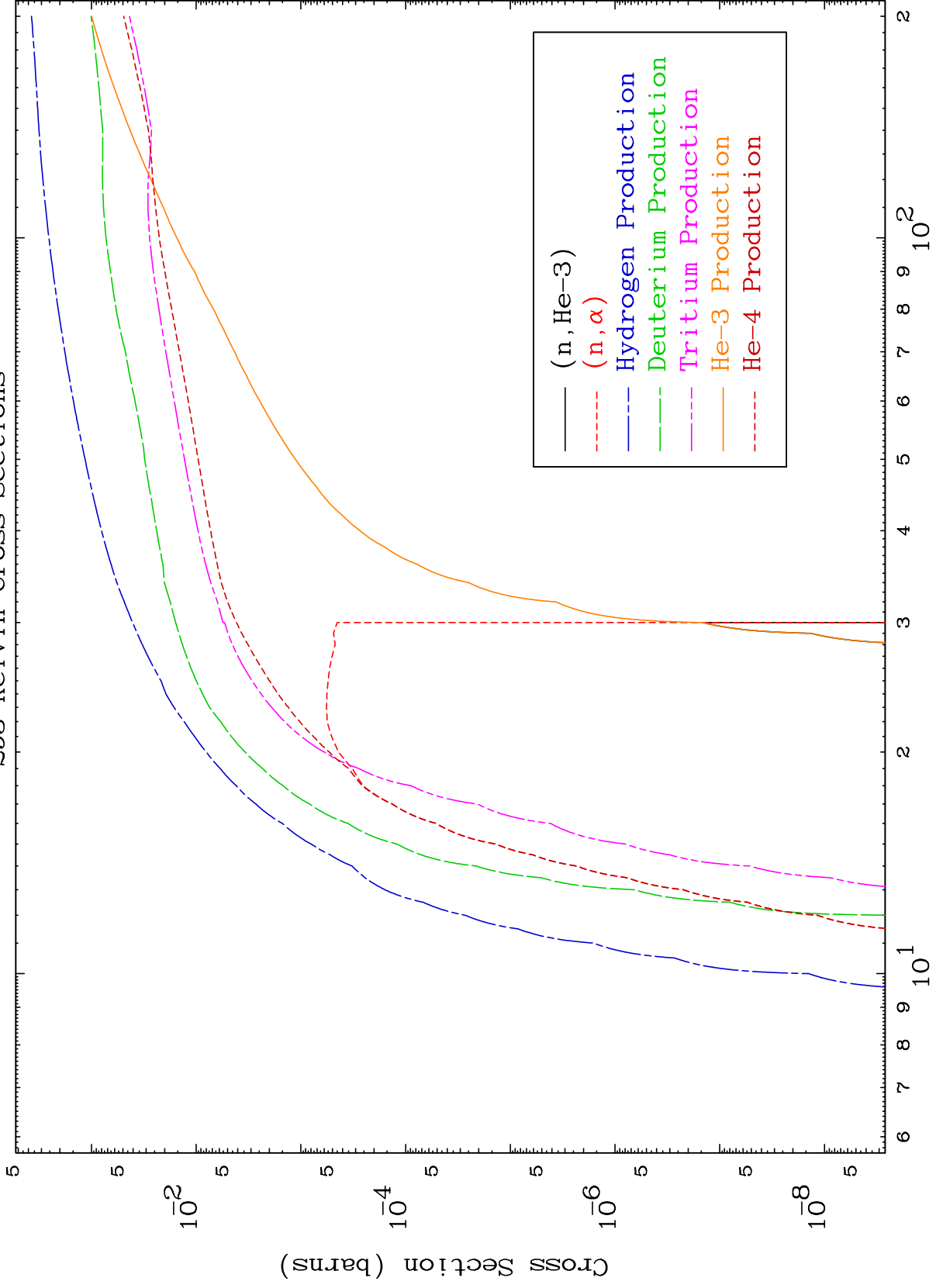
31-Ga-79

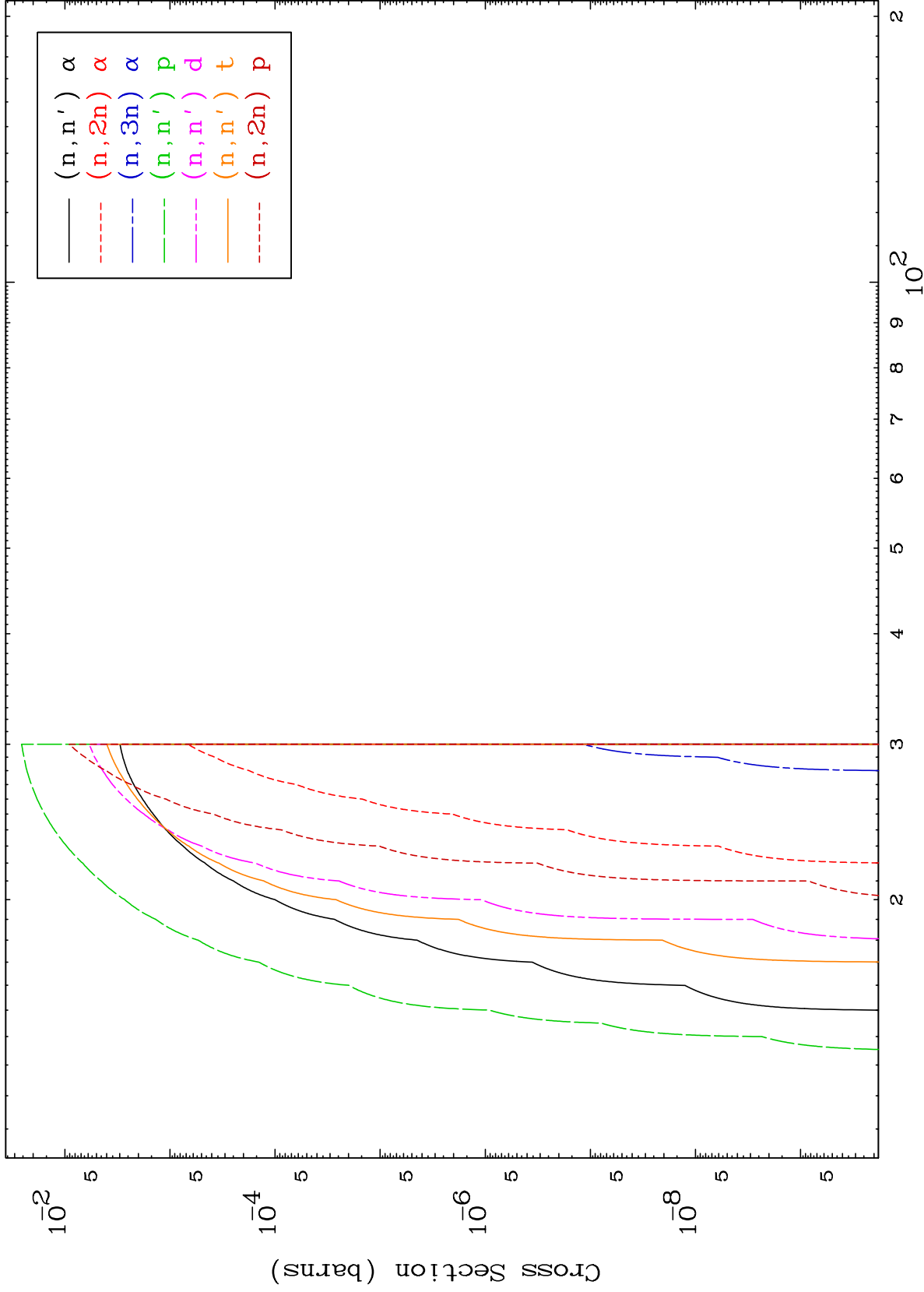
MAT 3155

Neutron Absorption
293 Kelvin Cross Sections

31-Ga-79



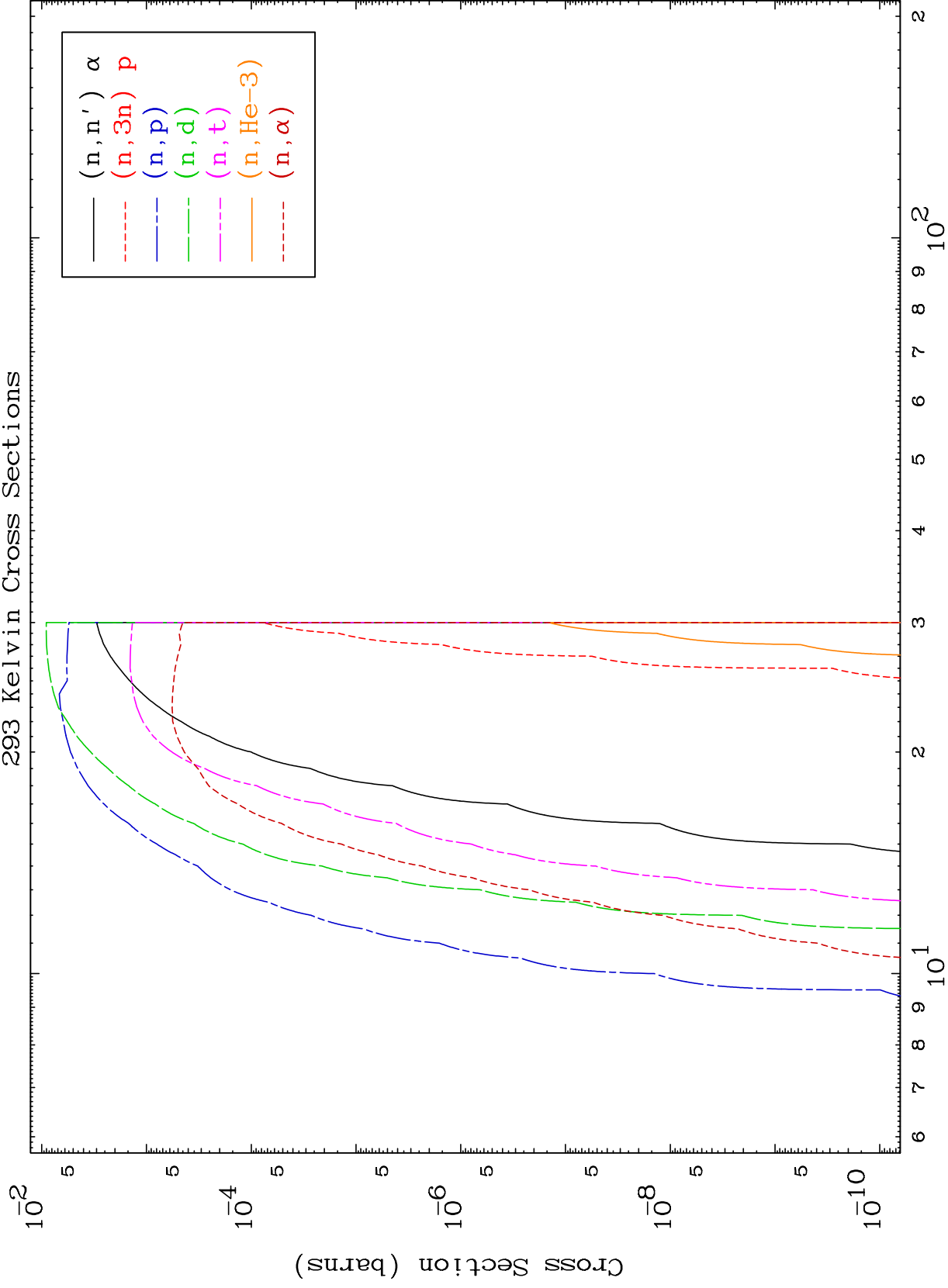




MAT 3155

Charged Particle
293 Kelvin Cross Sections

31-Ga-79



Incident Energy (MeV)

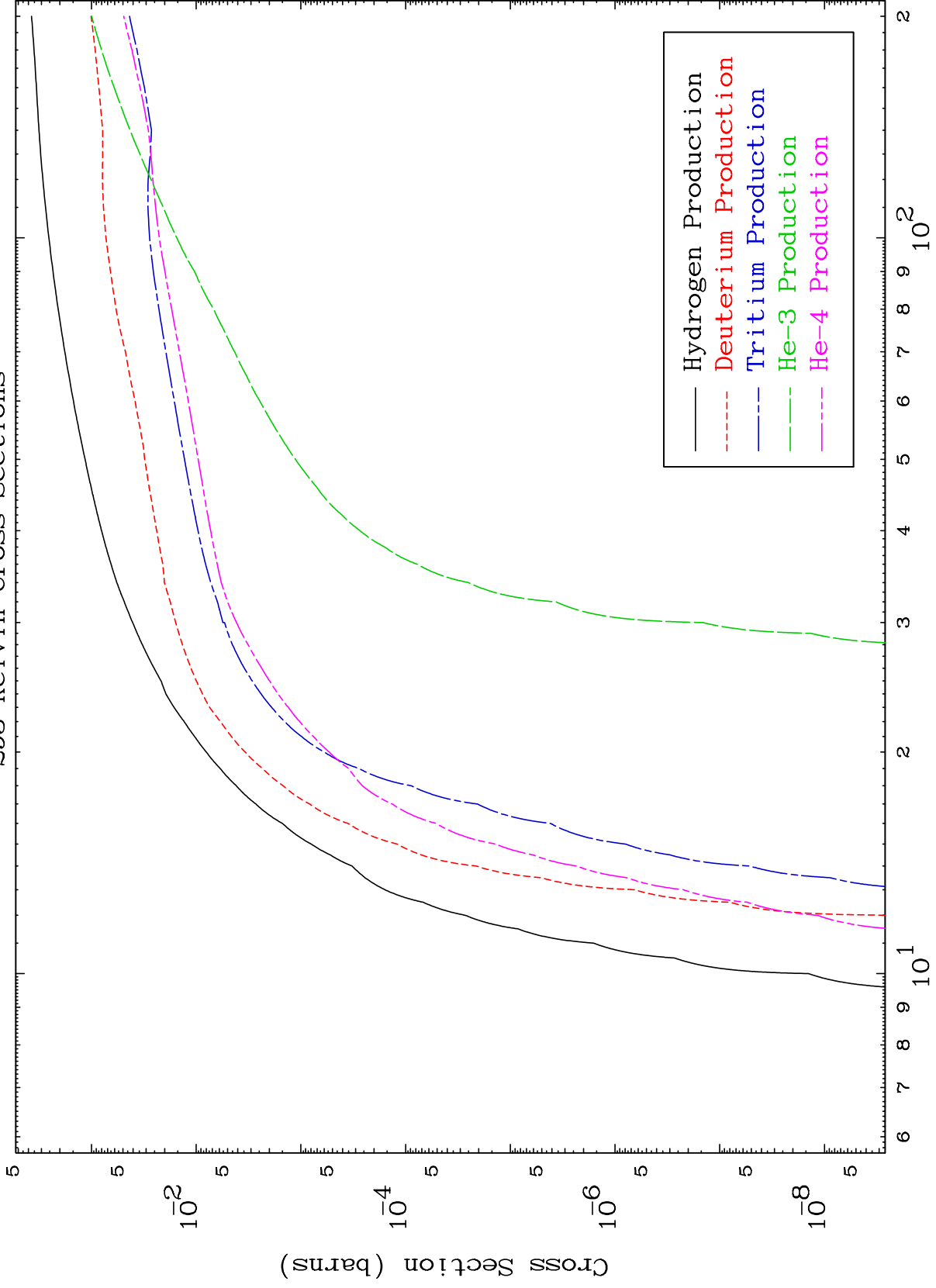
31-Ga-79

6

MAT 3155

Particle Production
293 Kelvin Cross Sections

31-Ga-79



7

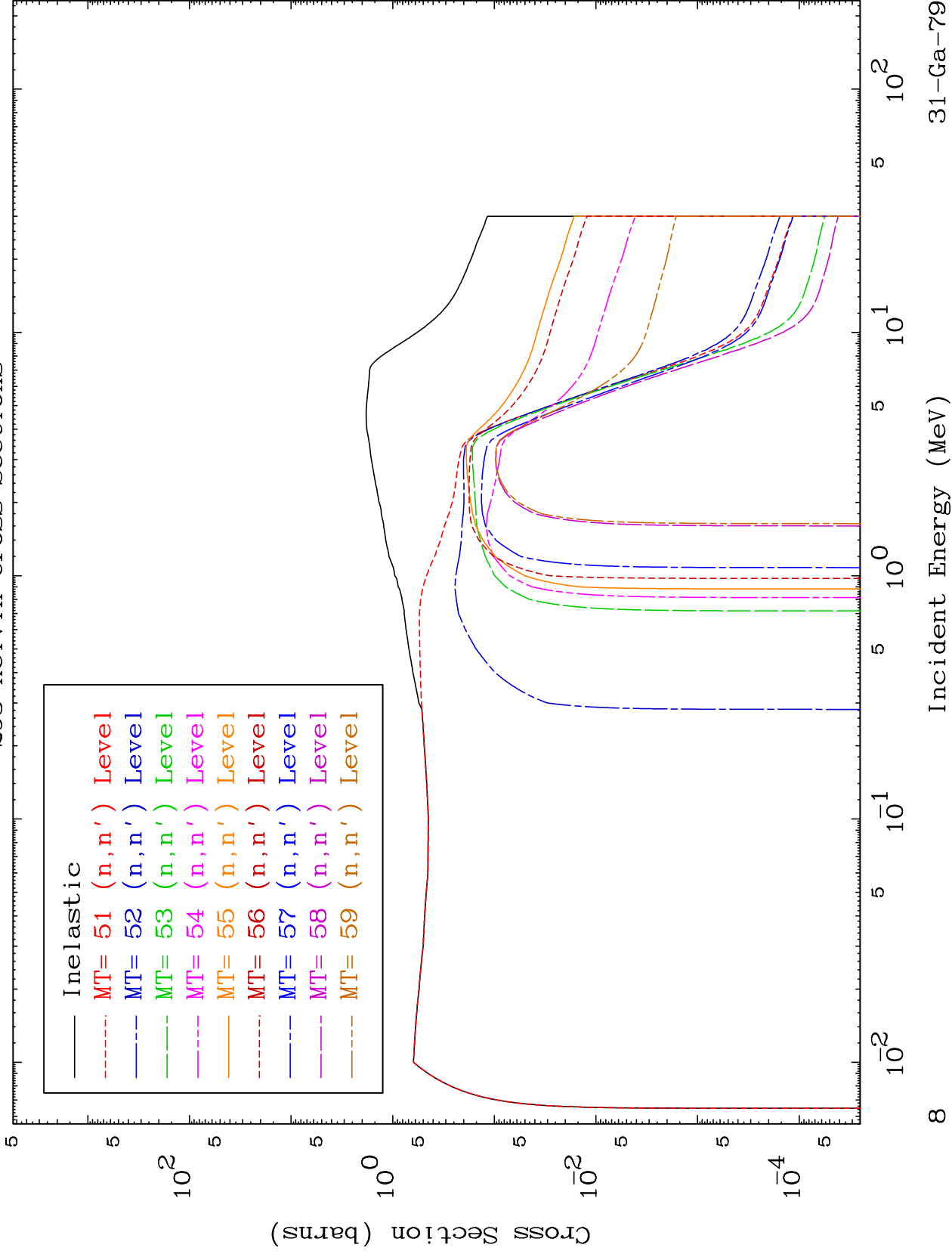
Incident Energy (MeV)

31-Ga-79

MAT 3155

(n,n') Levels
293 Kelvin Cross Sections

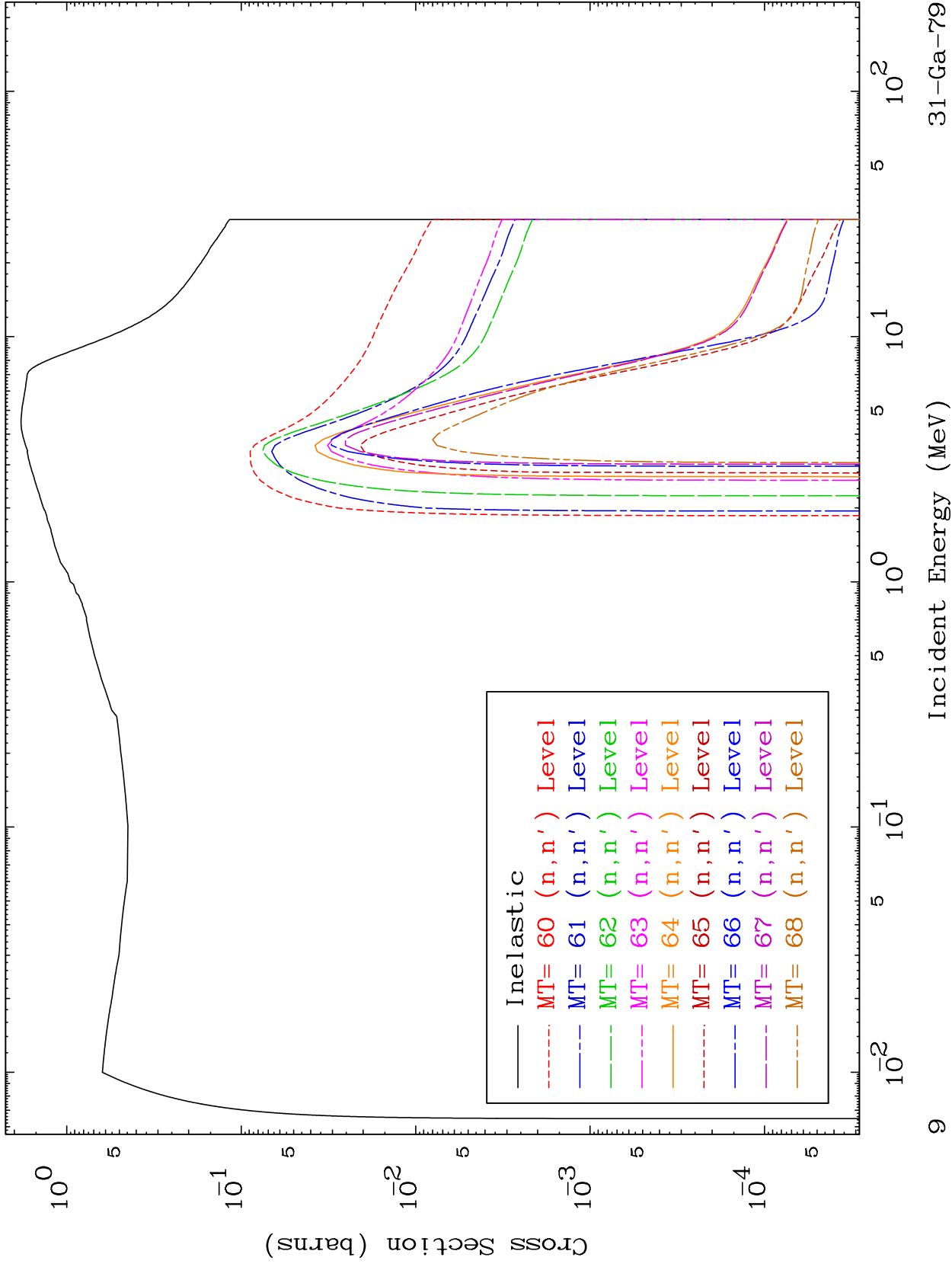
31-Ga-79



MAT 3155

(n,n') Levels
293 Kelvin Cross Sections

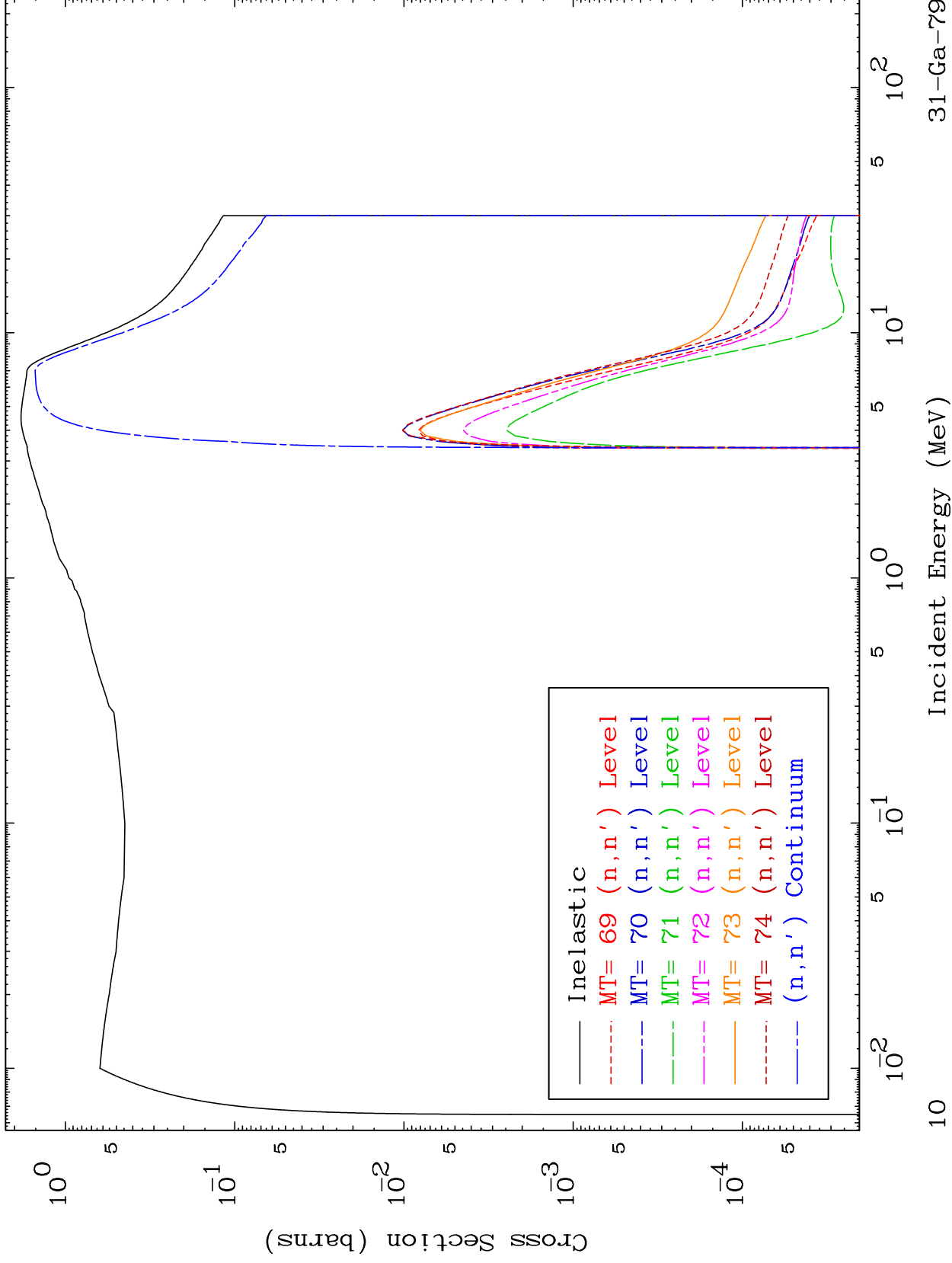
31-Ga-79



MAT 3155

(n,n') Levels
293 Kelvin Cross Sections

31-Ga-79



31-Ga-79

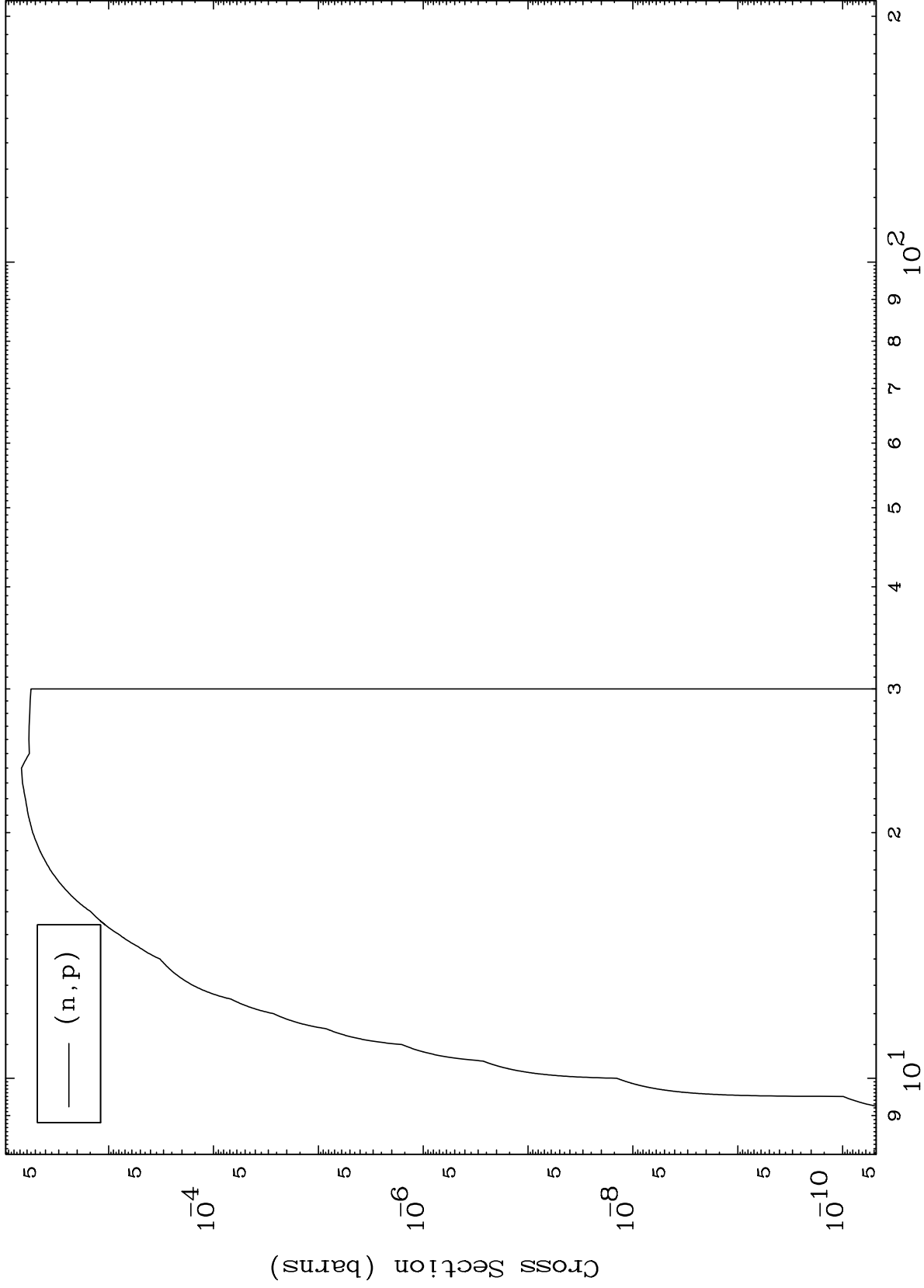
Incident Energy (MeV)

10

MAT 3155

(n,p) Levels
293 Kelvin Cross Sections

31-Ga-79



11

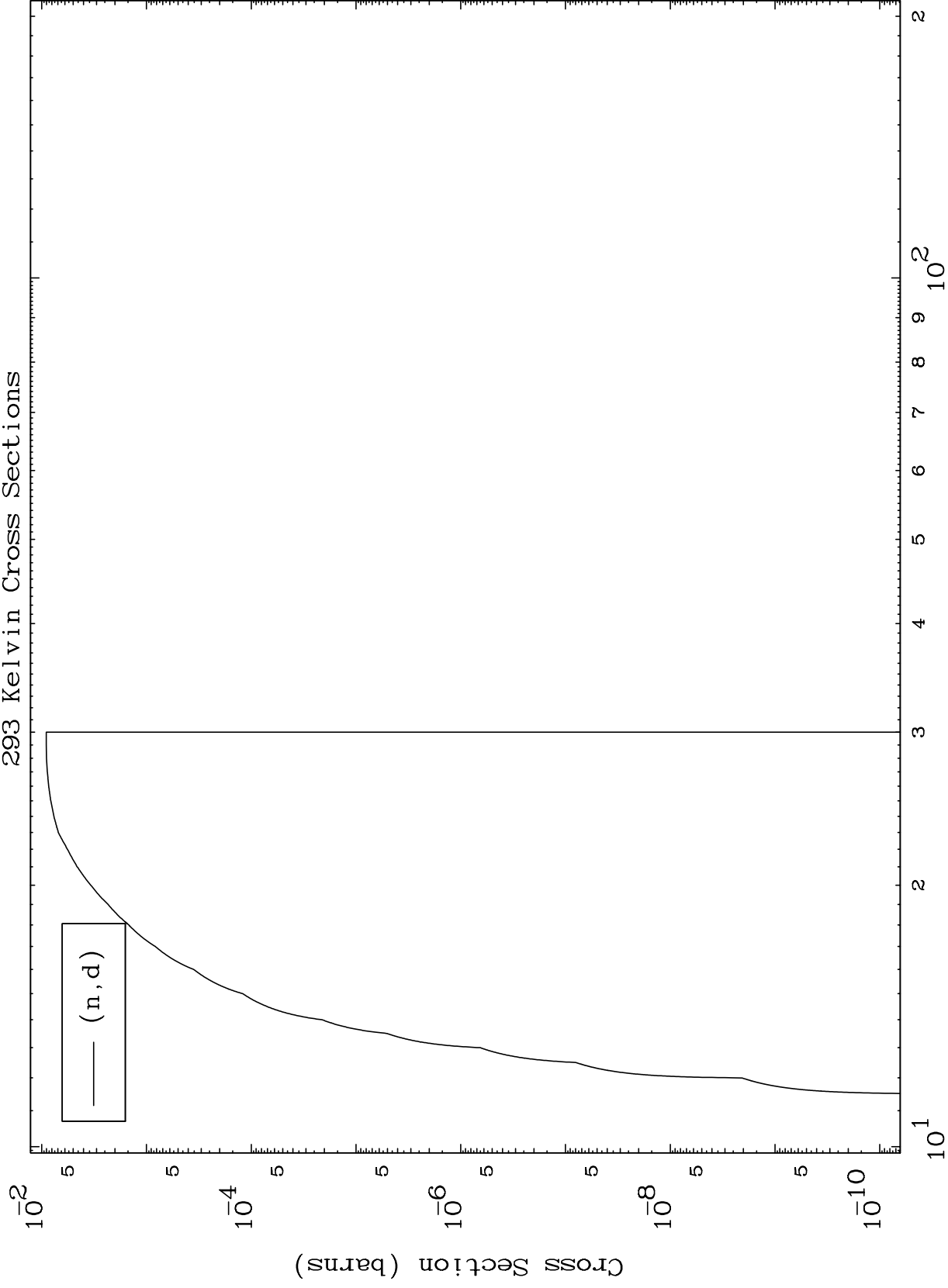
Incident Energy (MeV)

31-Ga-79

MAT 3155

(n,d) Levels
293 Kelvin Cross Sections

31-Ga-79



Incident Energy (MeV)

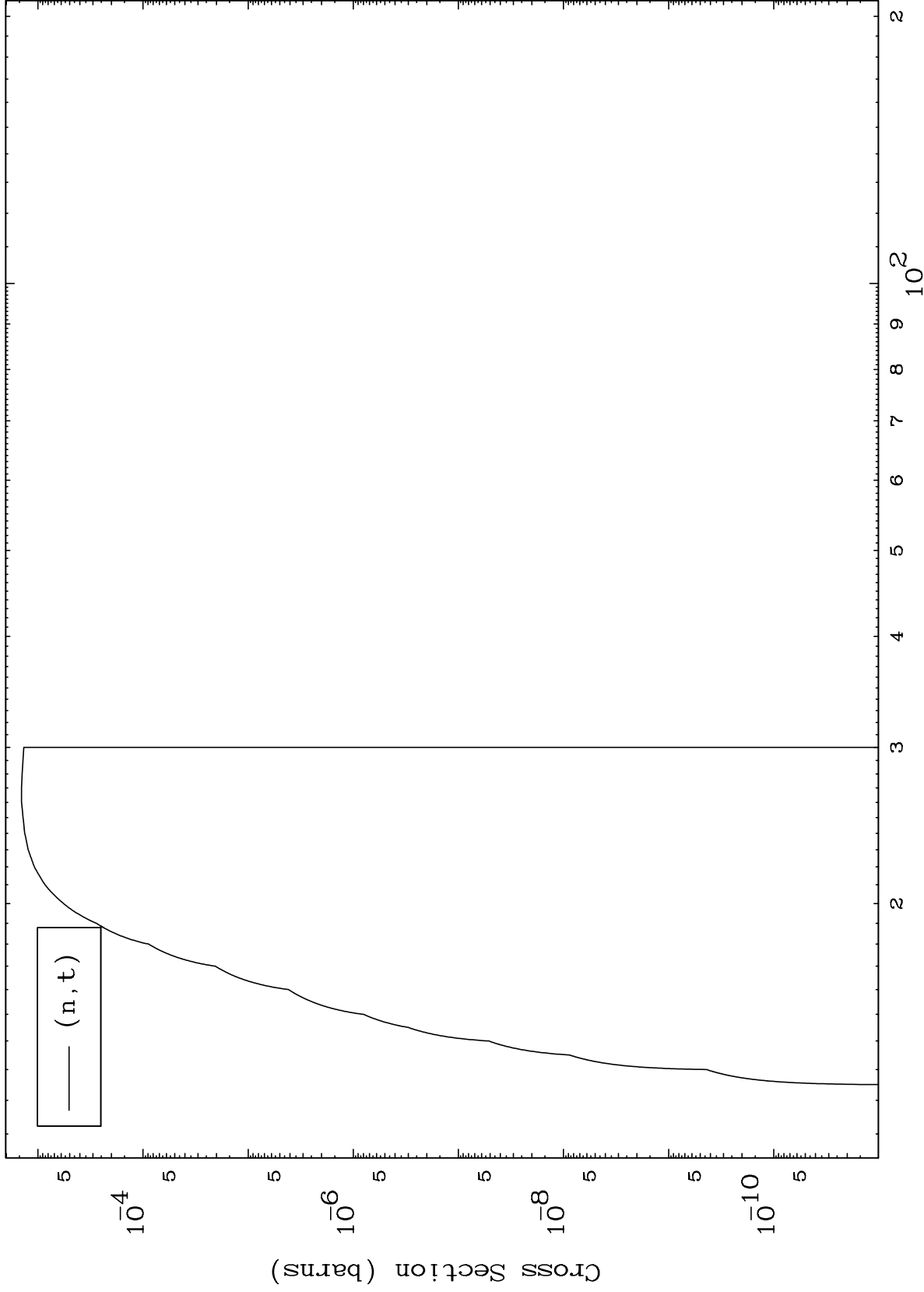
31-Ga-79

12

MAT 3155

(n,t) Levels
293 Kelvin Cross Sections

31-Ga-79



13

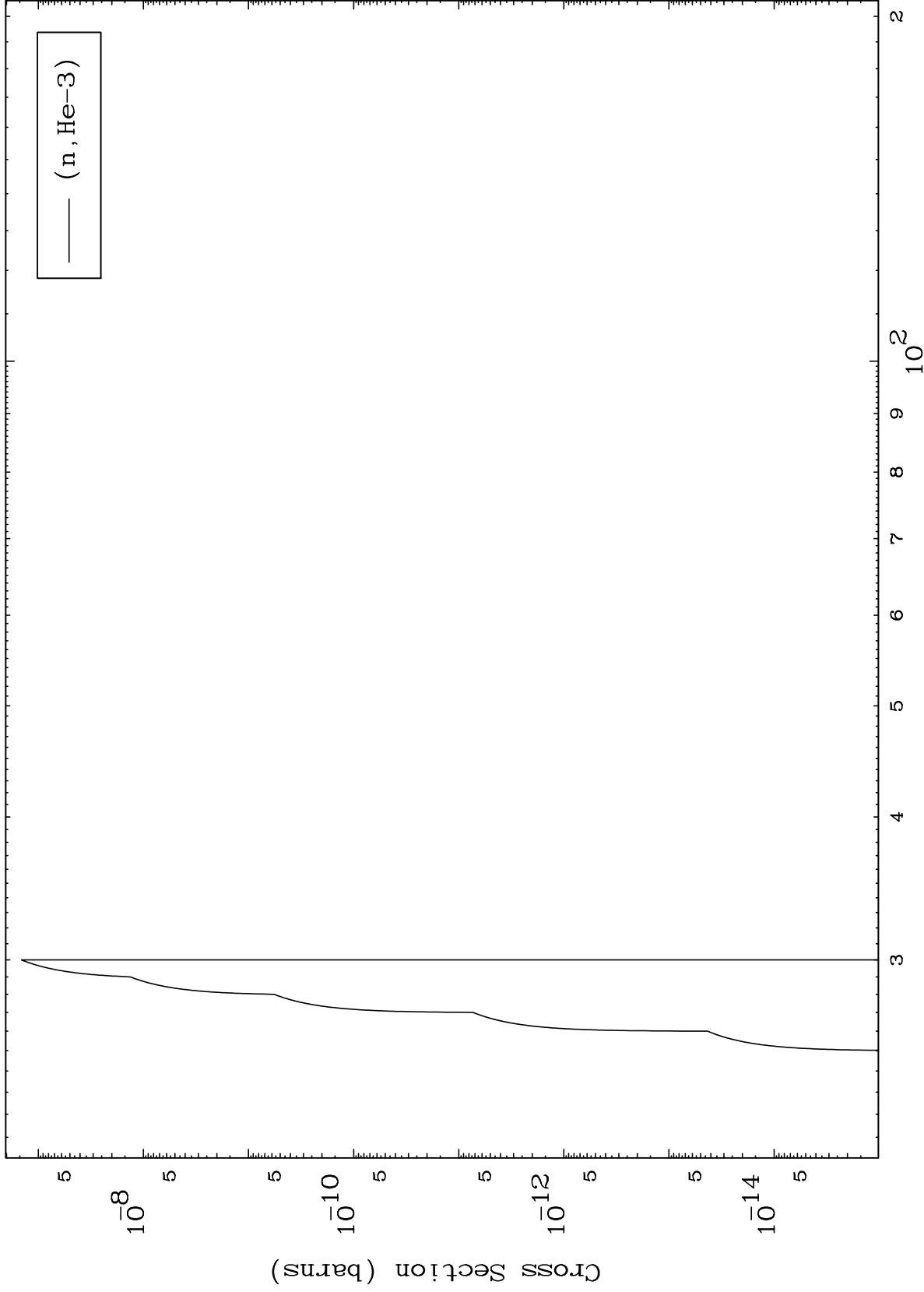
Incident Energy (MeV)

31-Ga-79

MAT 3155

(n,He3) Levels
293 Kelvin Cross Sections

31-Ga-79



14

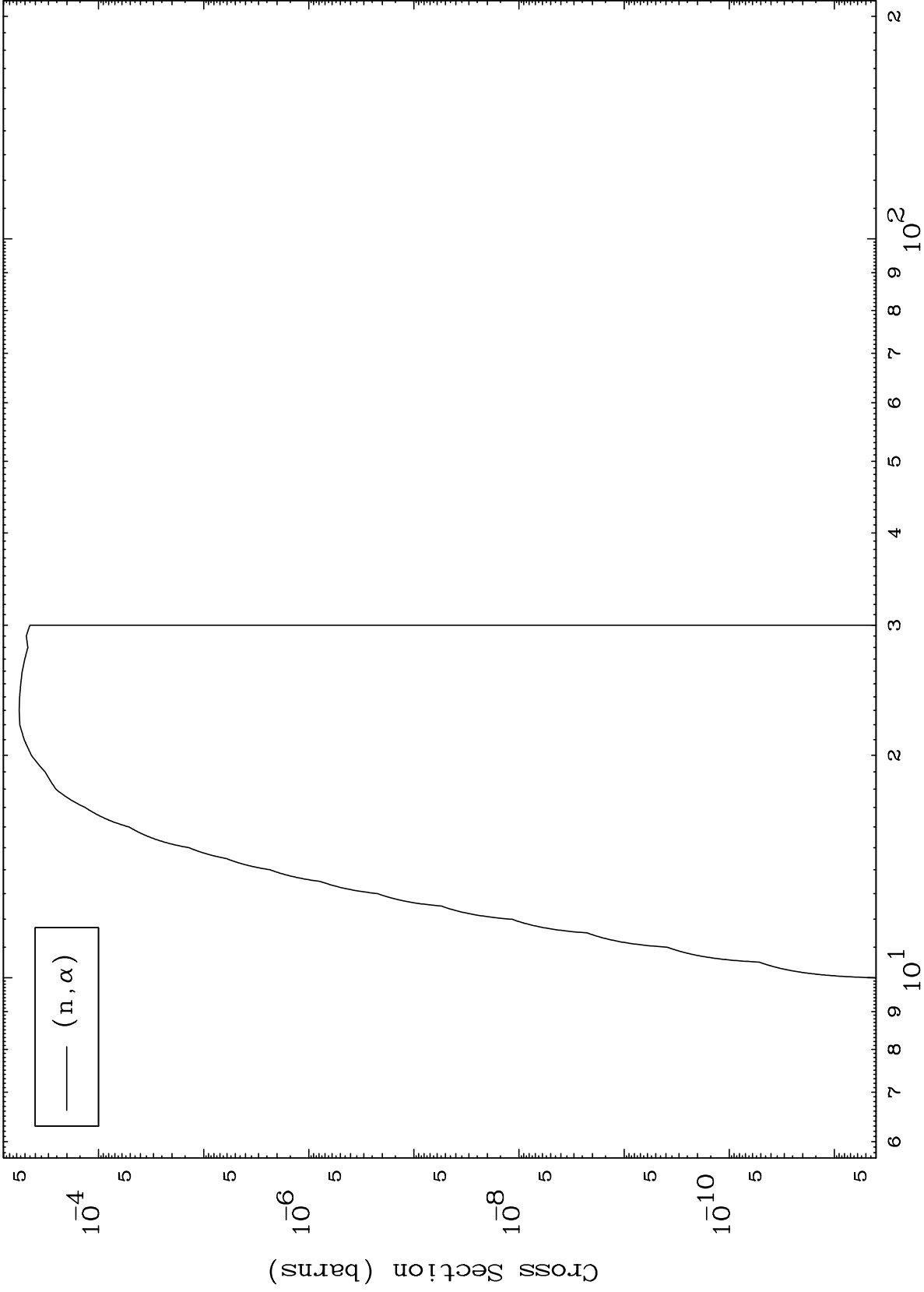
Incident Energy (MeV)

31-Ga-79

MAT 3155

(n, α) Levels
293 Kelvin Cross Sections

31-Ga-79



15

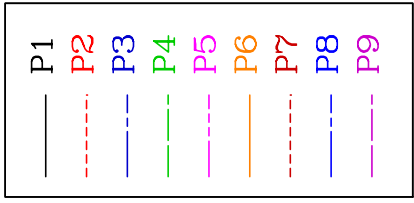
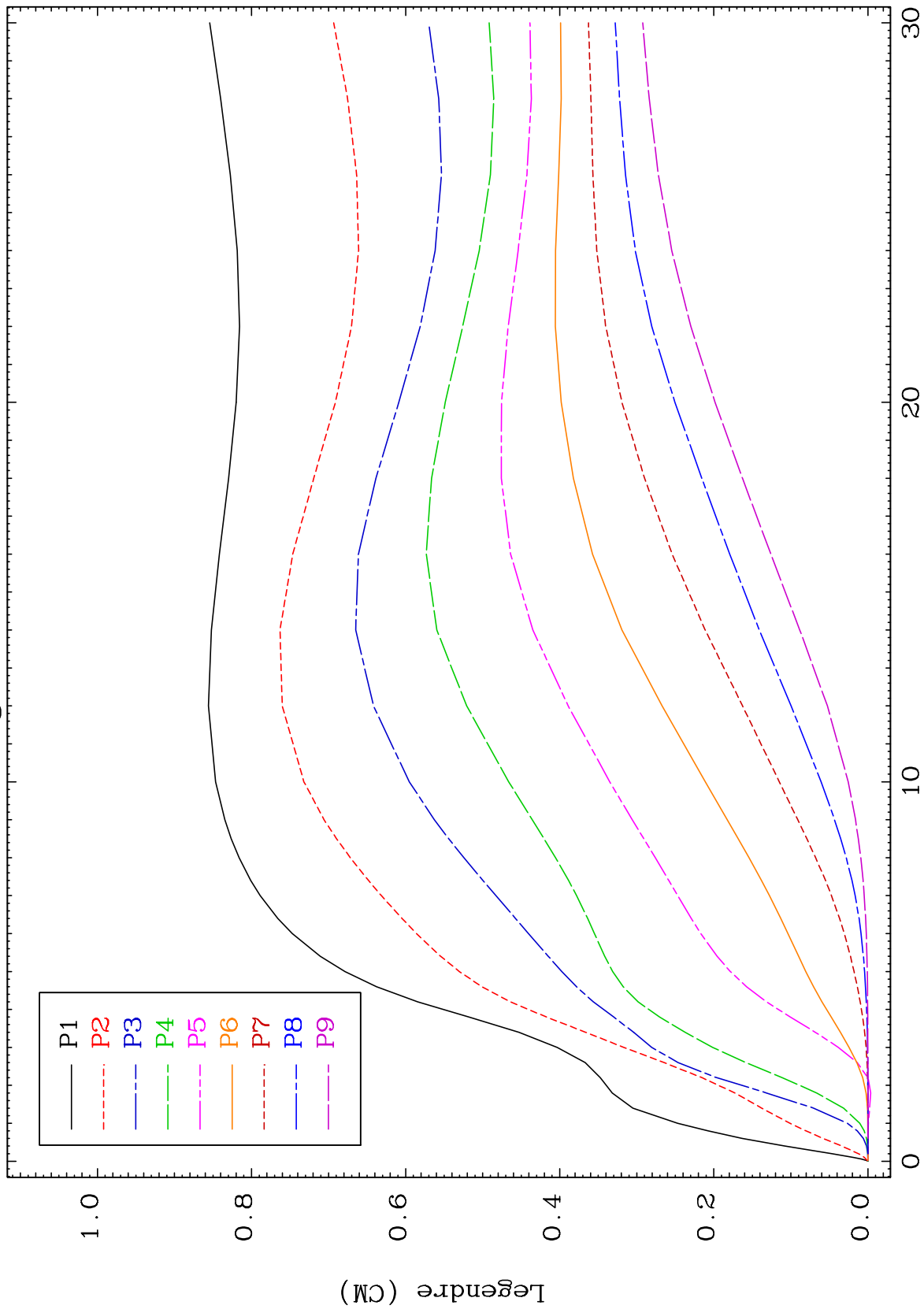
Incident Energy (MeV)

31-Ga-79

MAT 3155

Elastic Legendre Coefficients

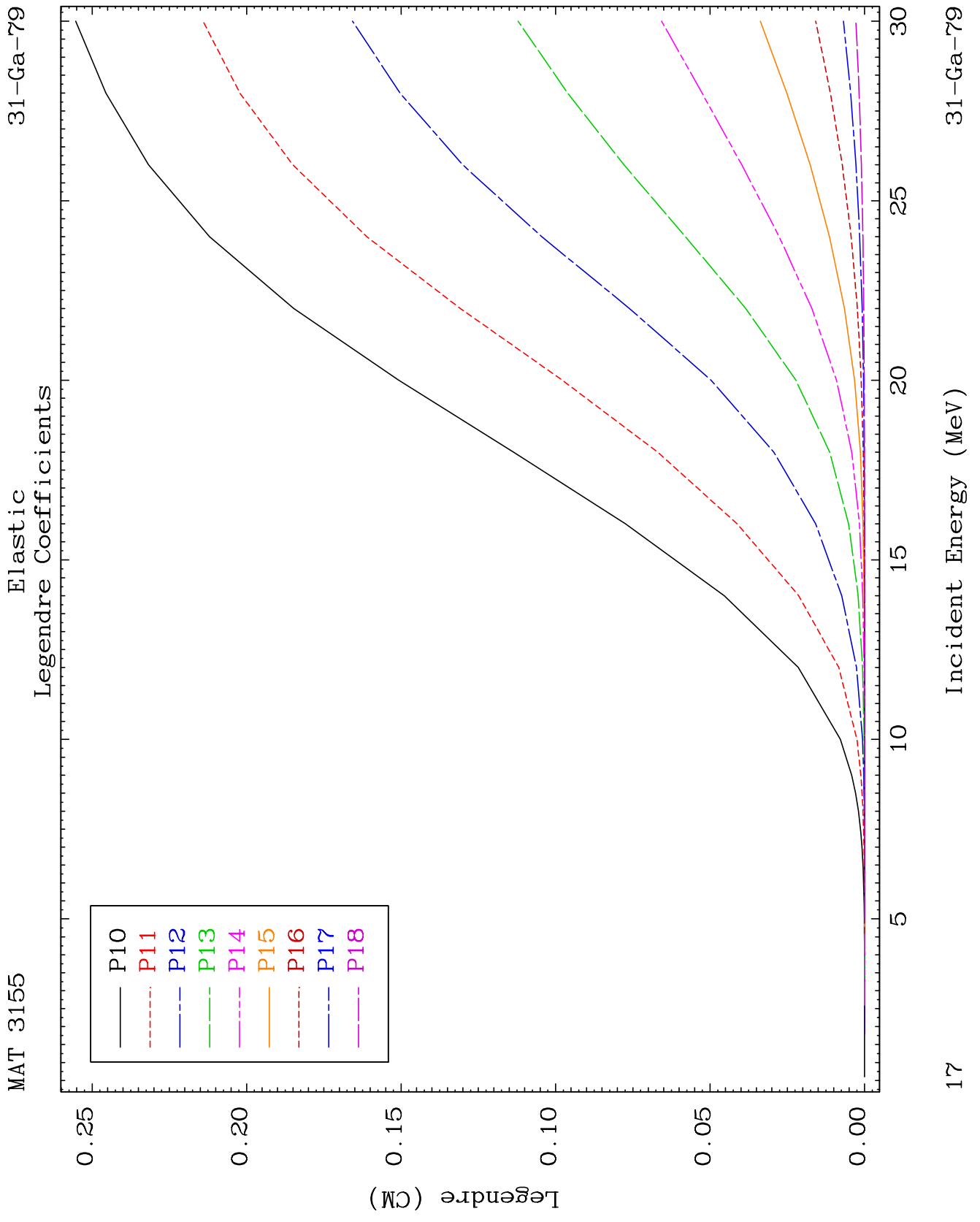
31-Ga-79



16

Incident Energy (MeV)

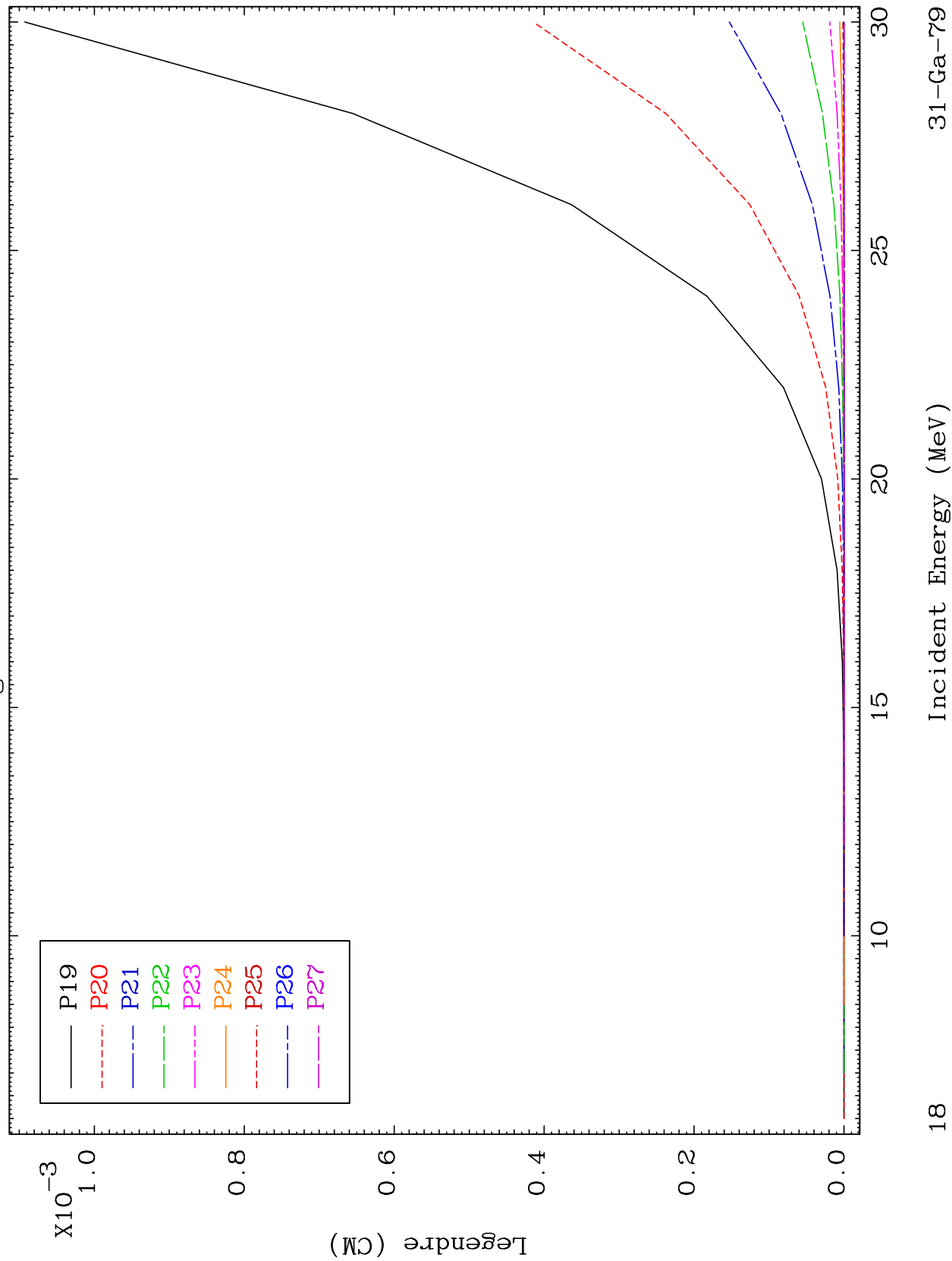
31-Ga-79



MAT 3155

Elastic Legendre Coefficients

31-Ga-79



18

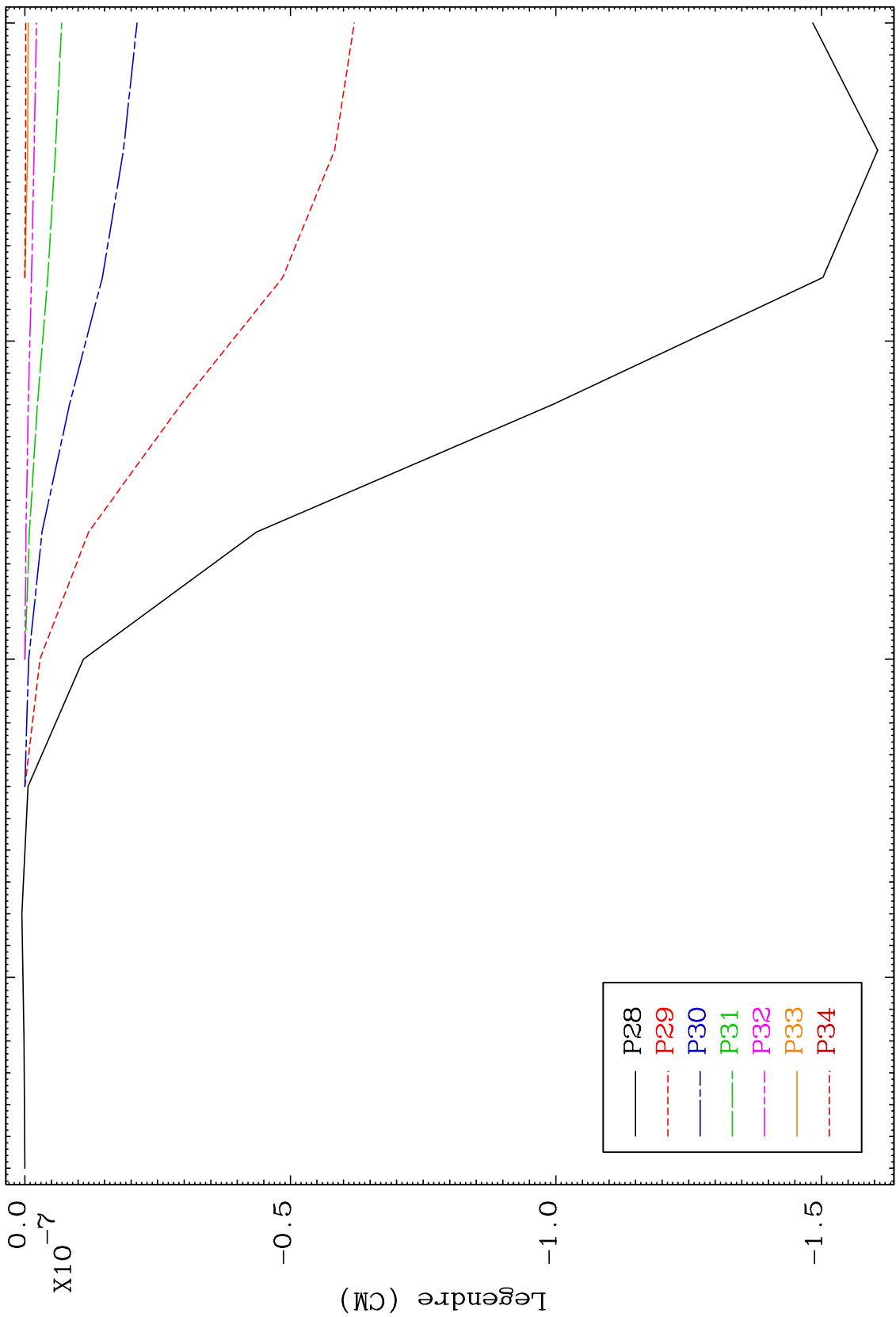
Incident Energy (MeV)

31-Ga-79

MAT 3155

31-Ga-79

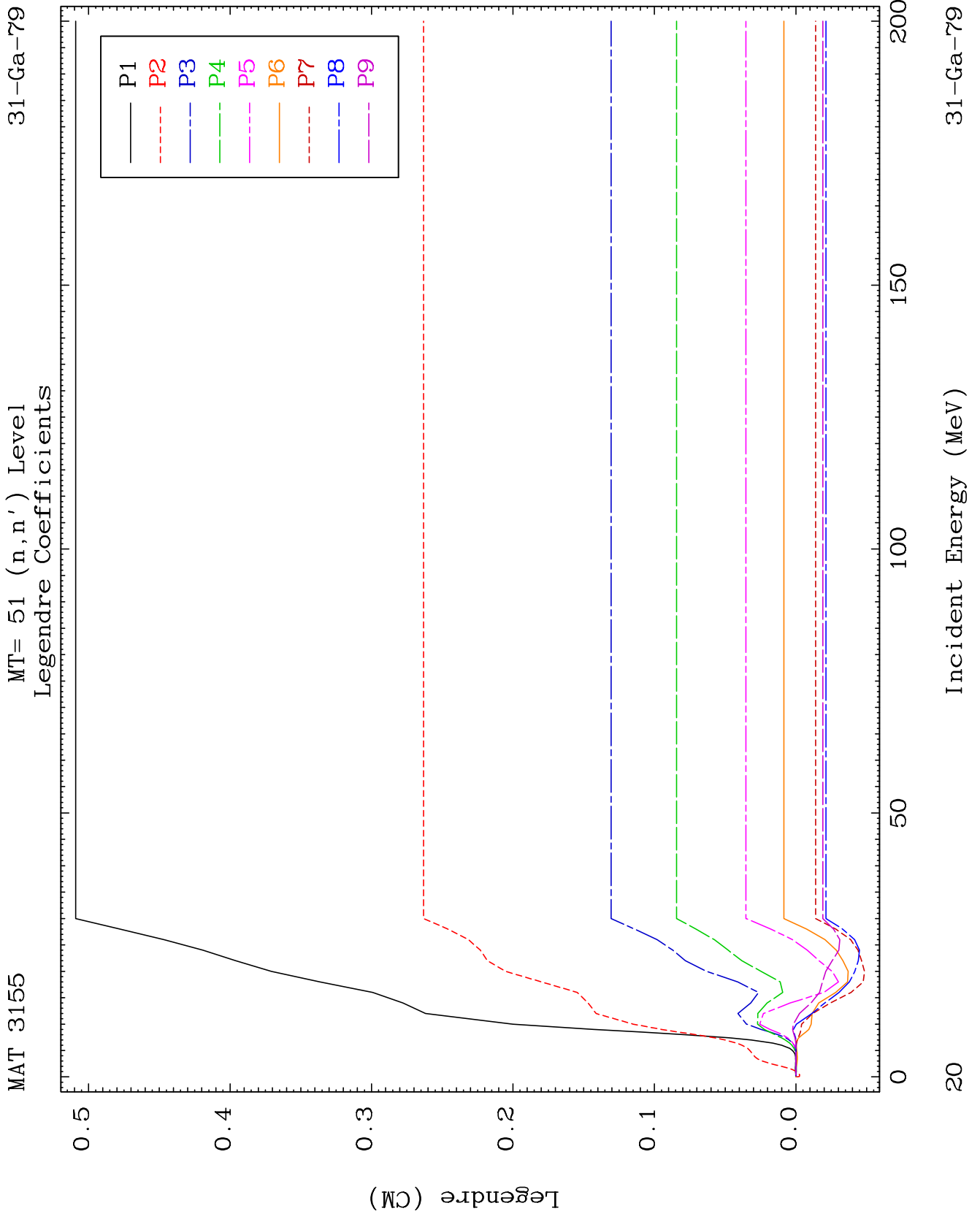
Elastic Legendre Coefficients

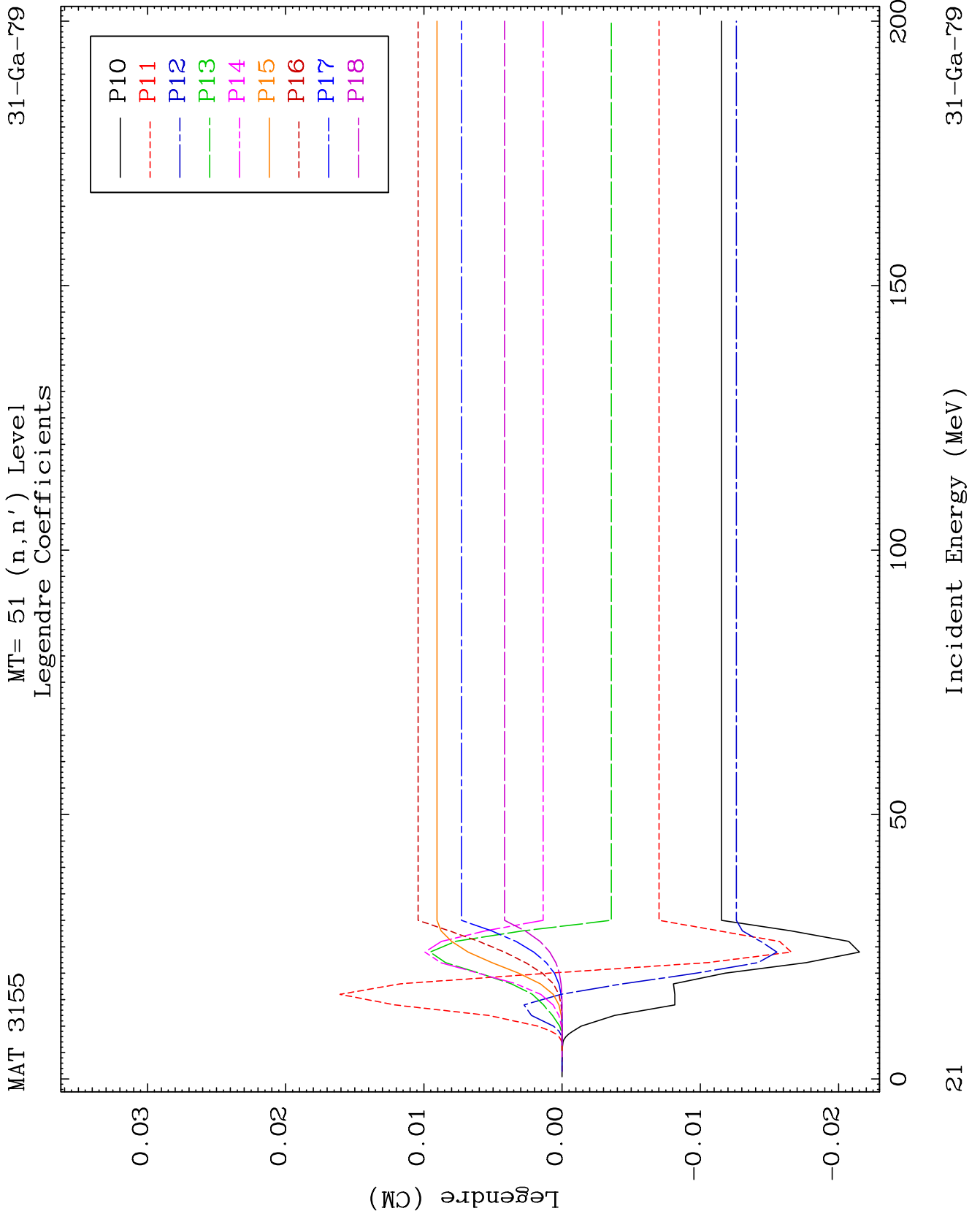


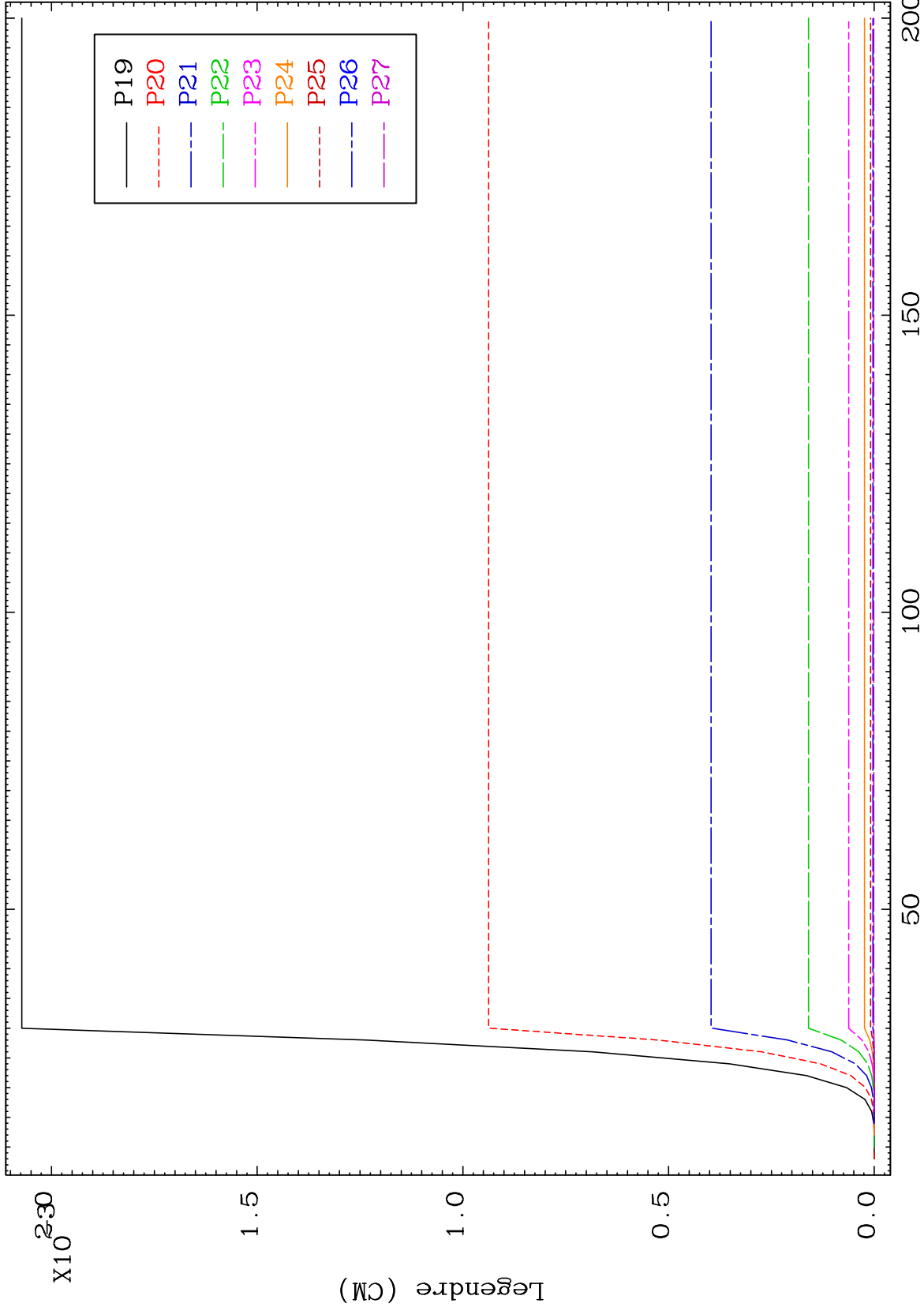
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Incident Energy (MeV)

31-Ga-79



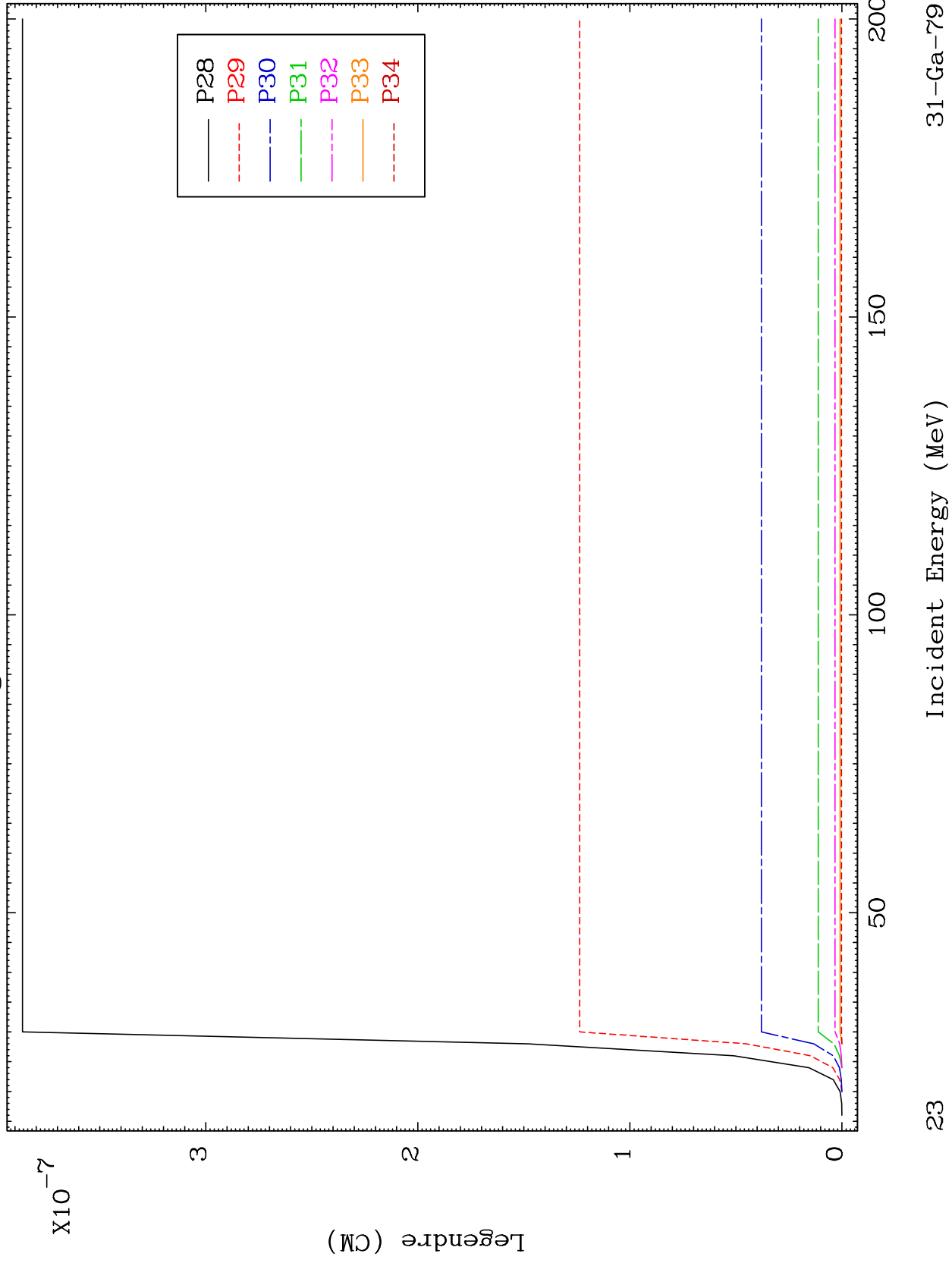




MAT 3155

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

31-Ga-79



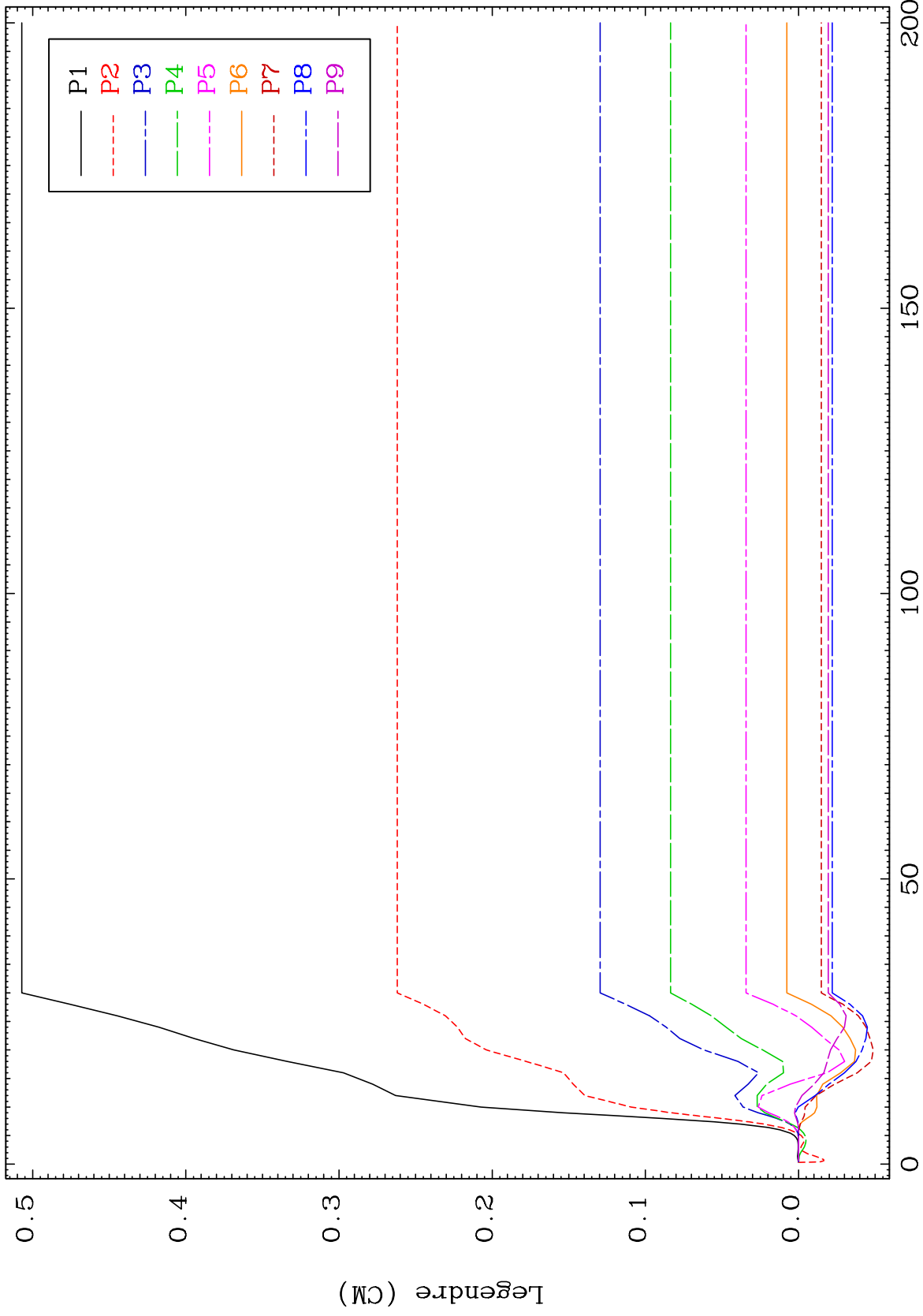
23

31-Ga-79

MAT 3155

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

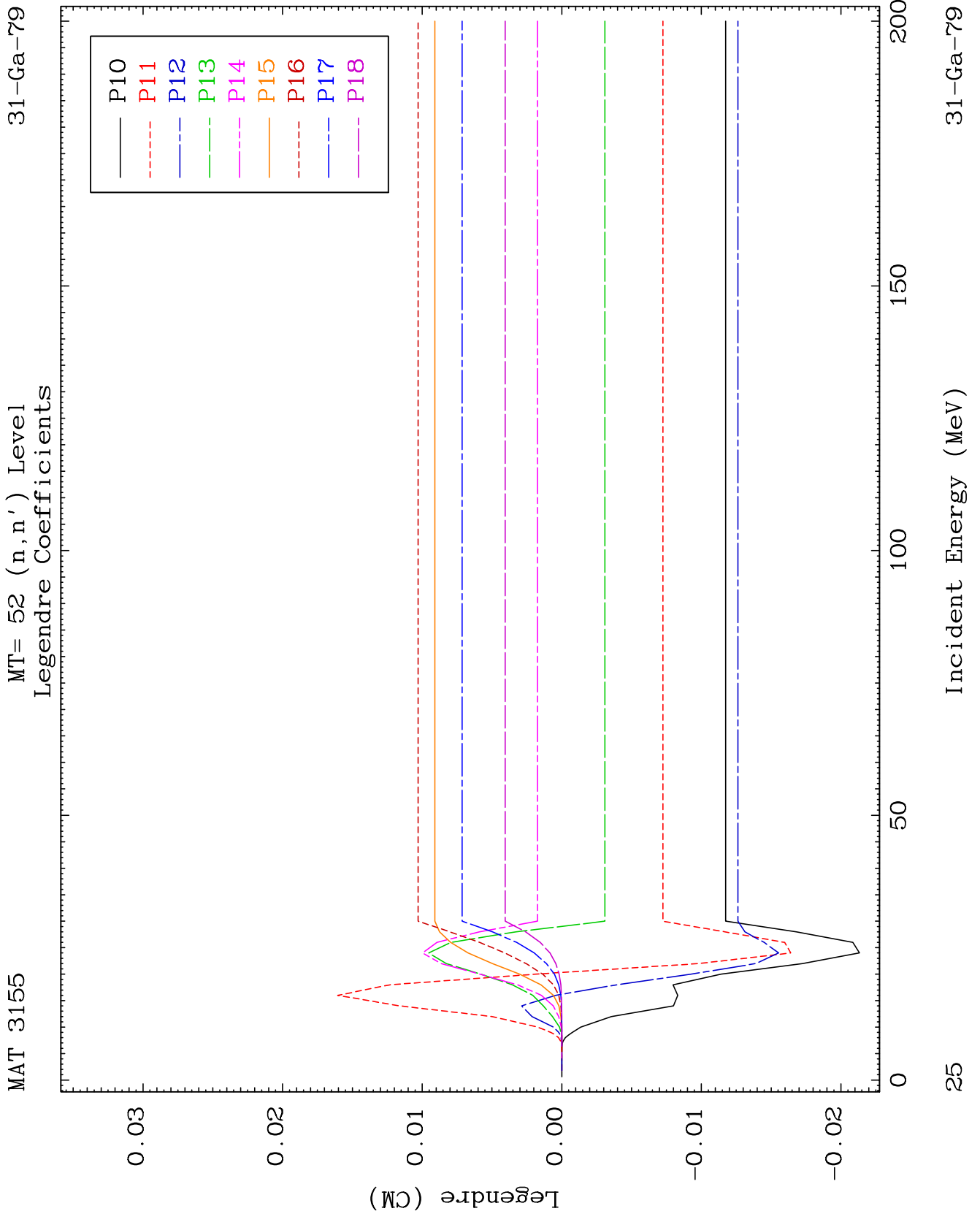
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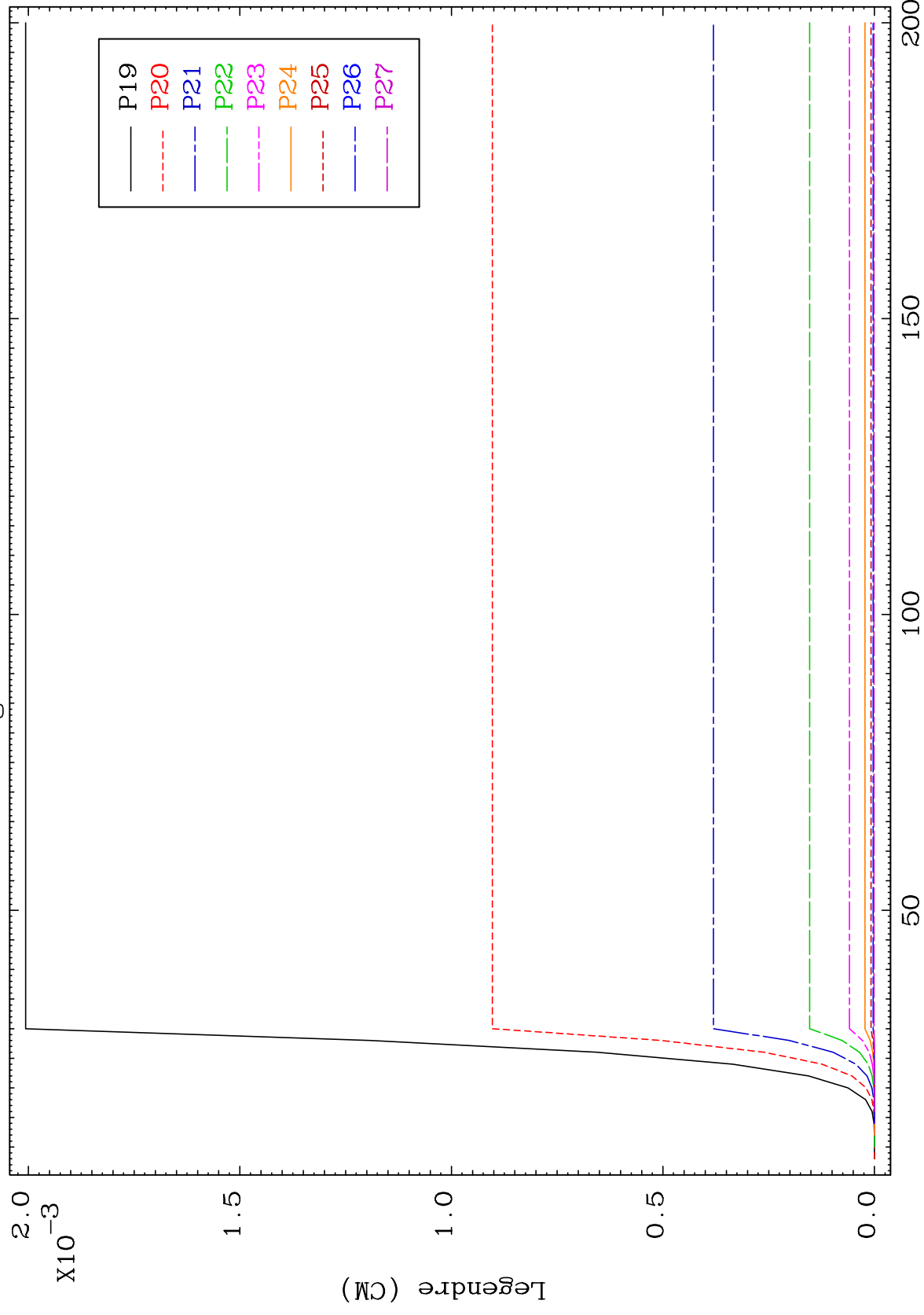


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Incident Energy (MeV)

31-Ga-79

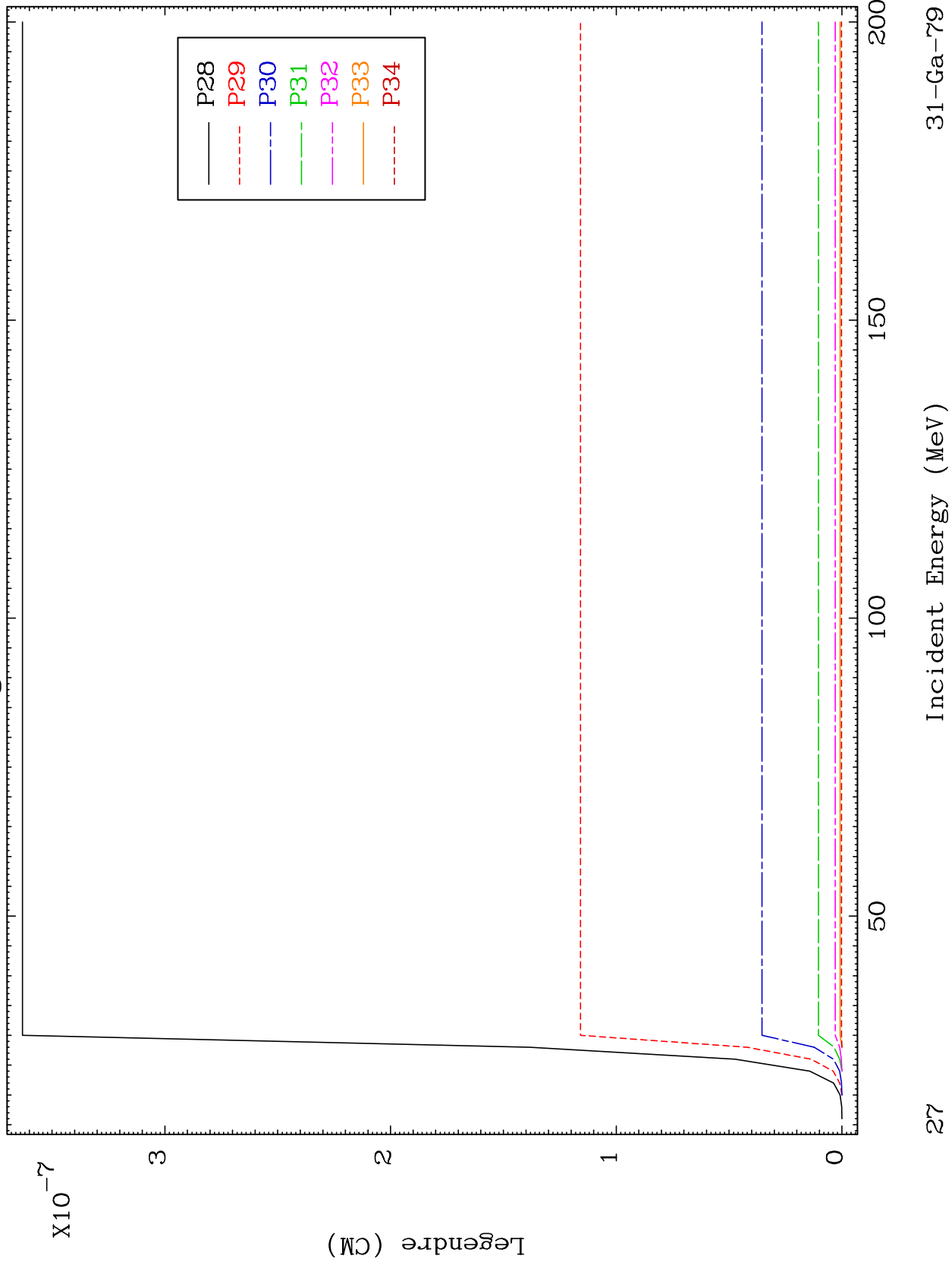




MAT 3155

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

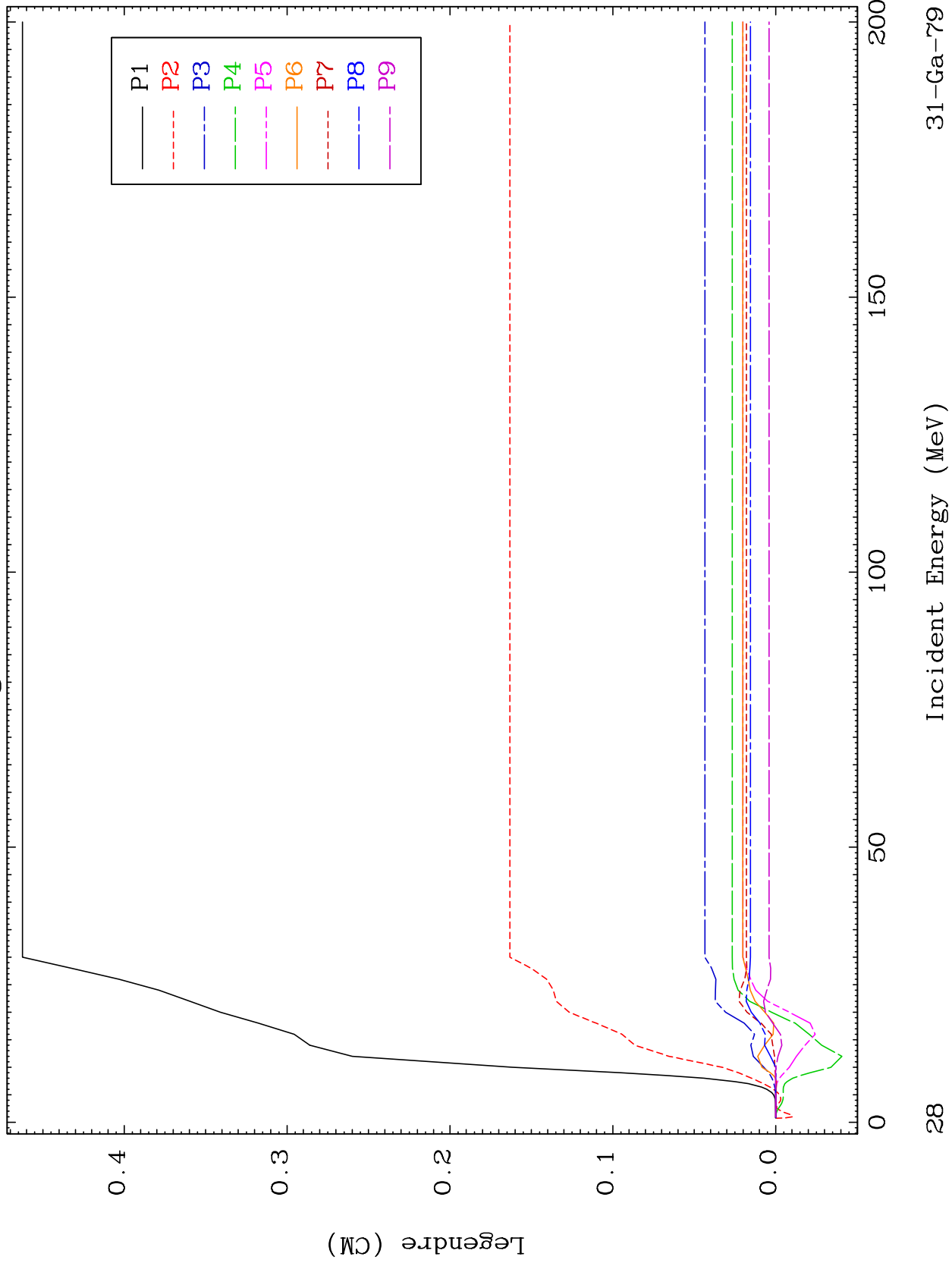
31-Ga-79



MAT 3155

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

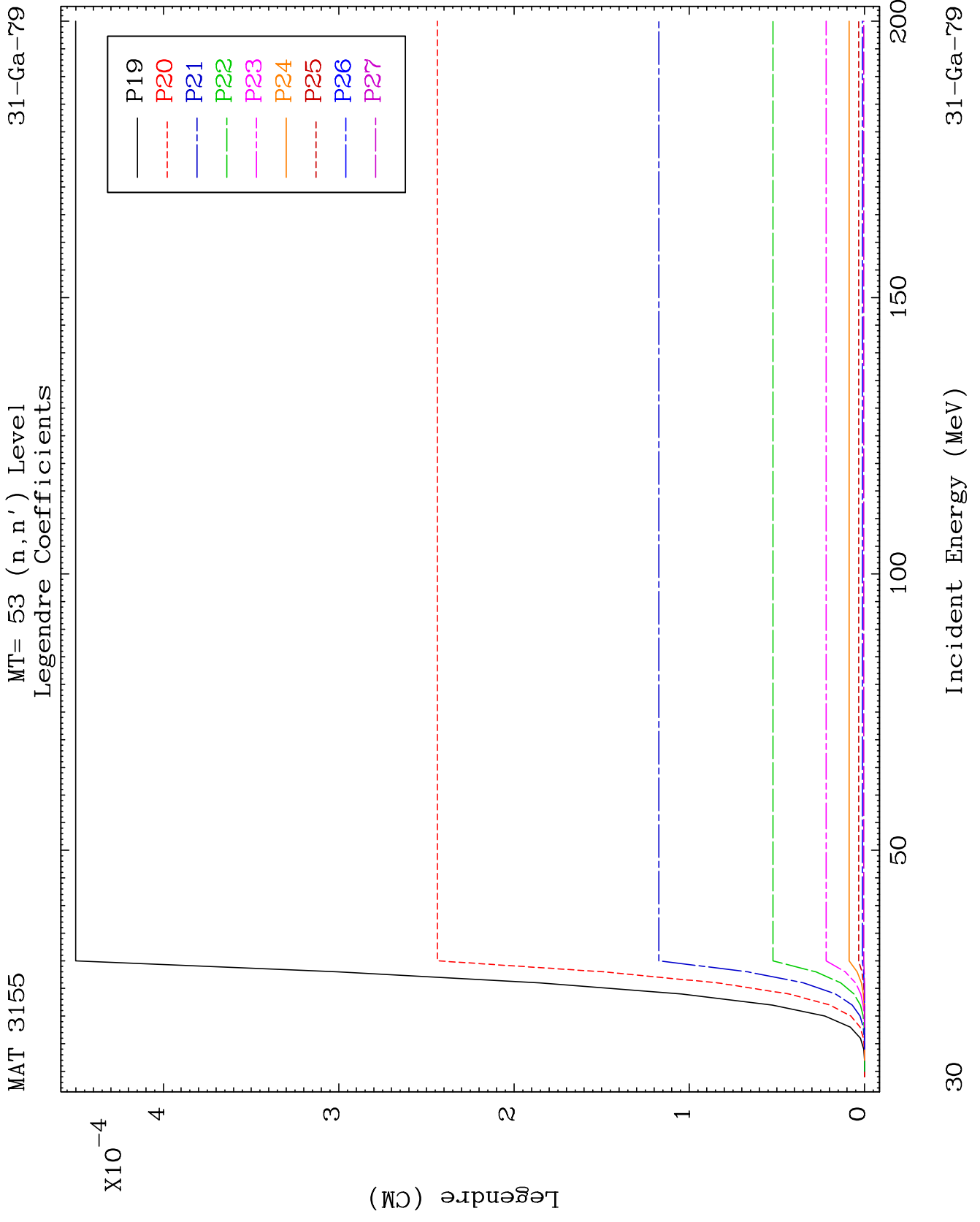
31-Ga-79



31-Ga-79

Incident Energy (MeV)

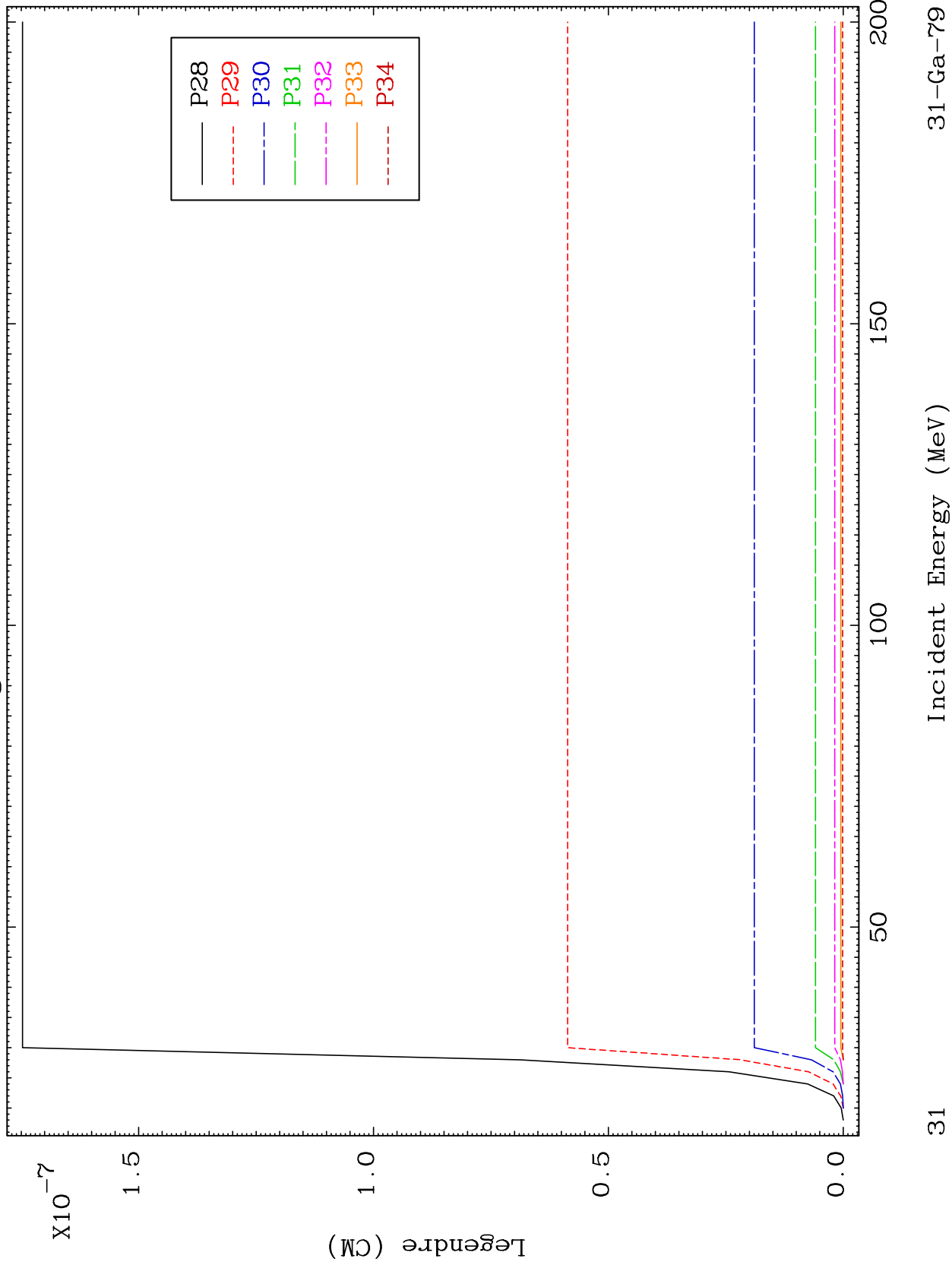
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MAT 3155

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

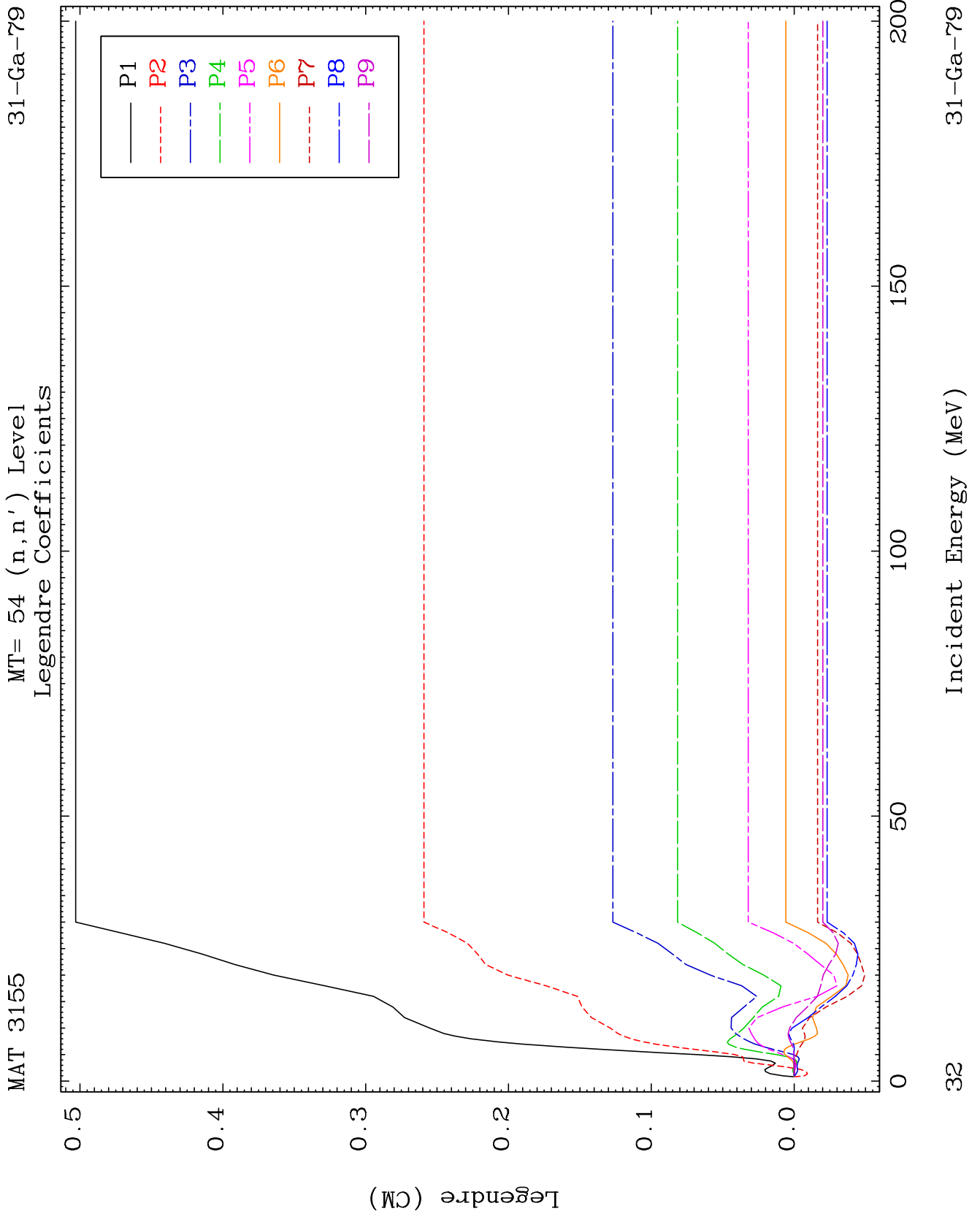
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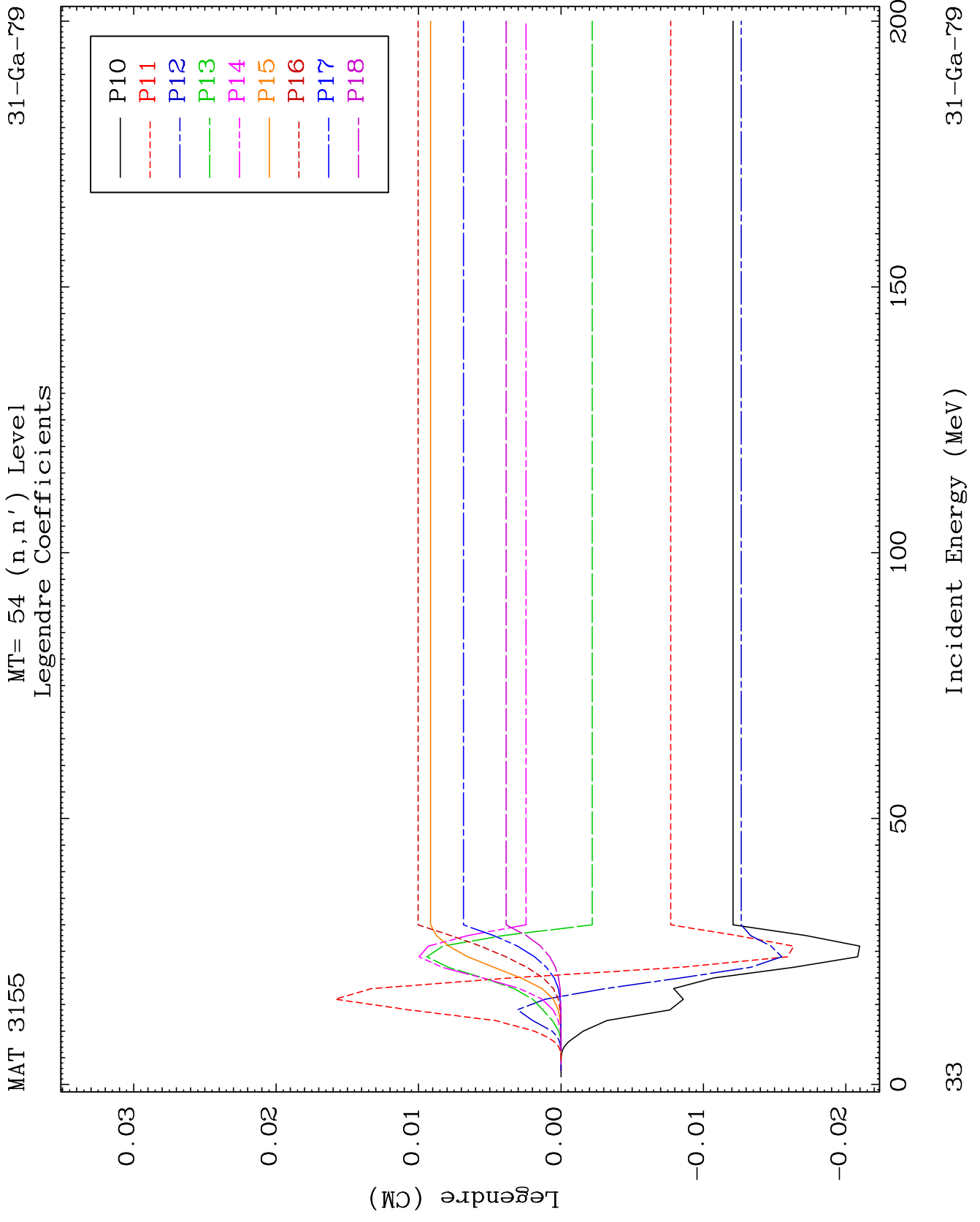


31

Incident Energy (MeV)

31-Ga-79

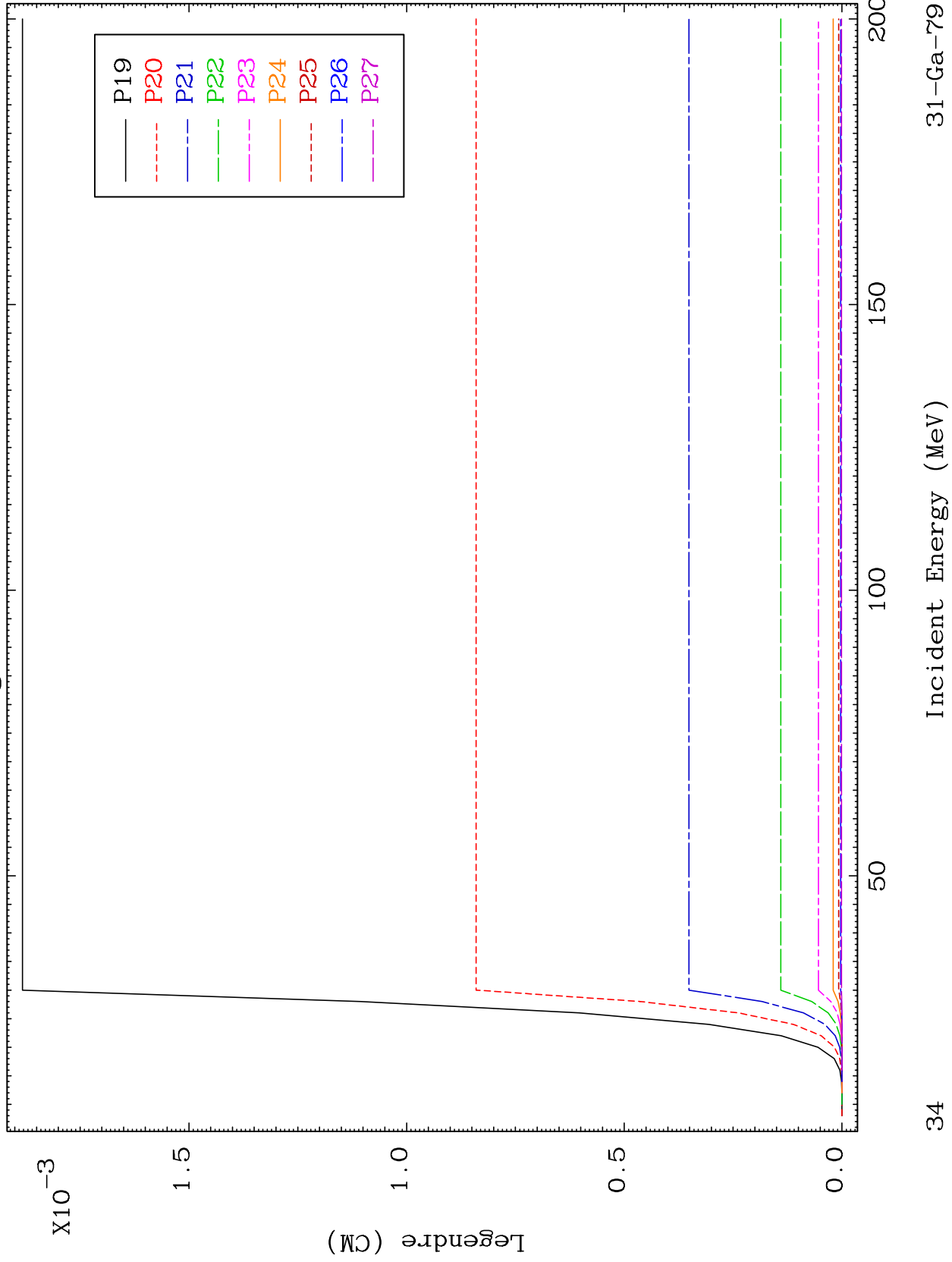




MAT 3155

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

31-Ga-79



34

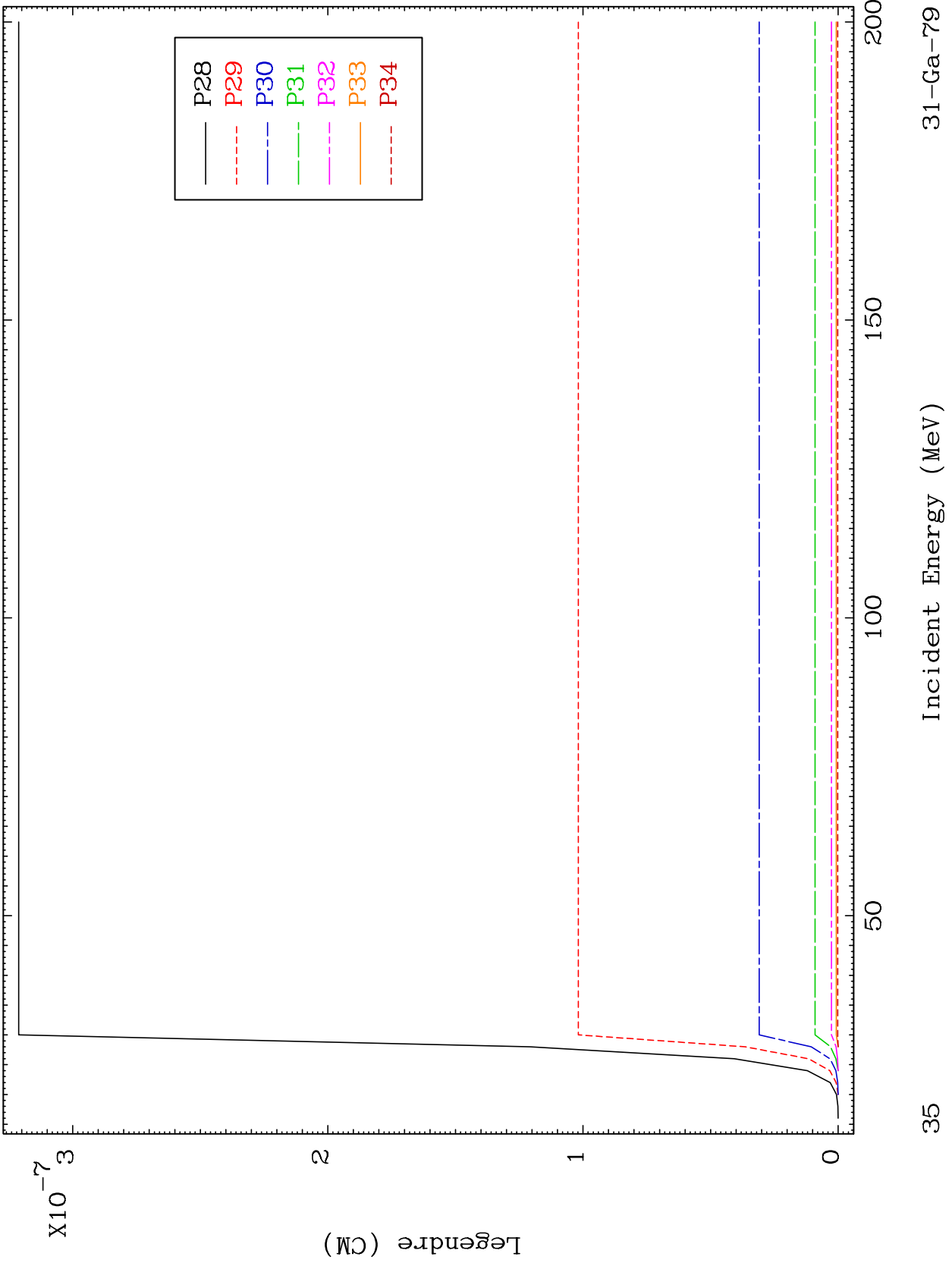
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



35

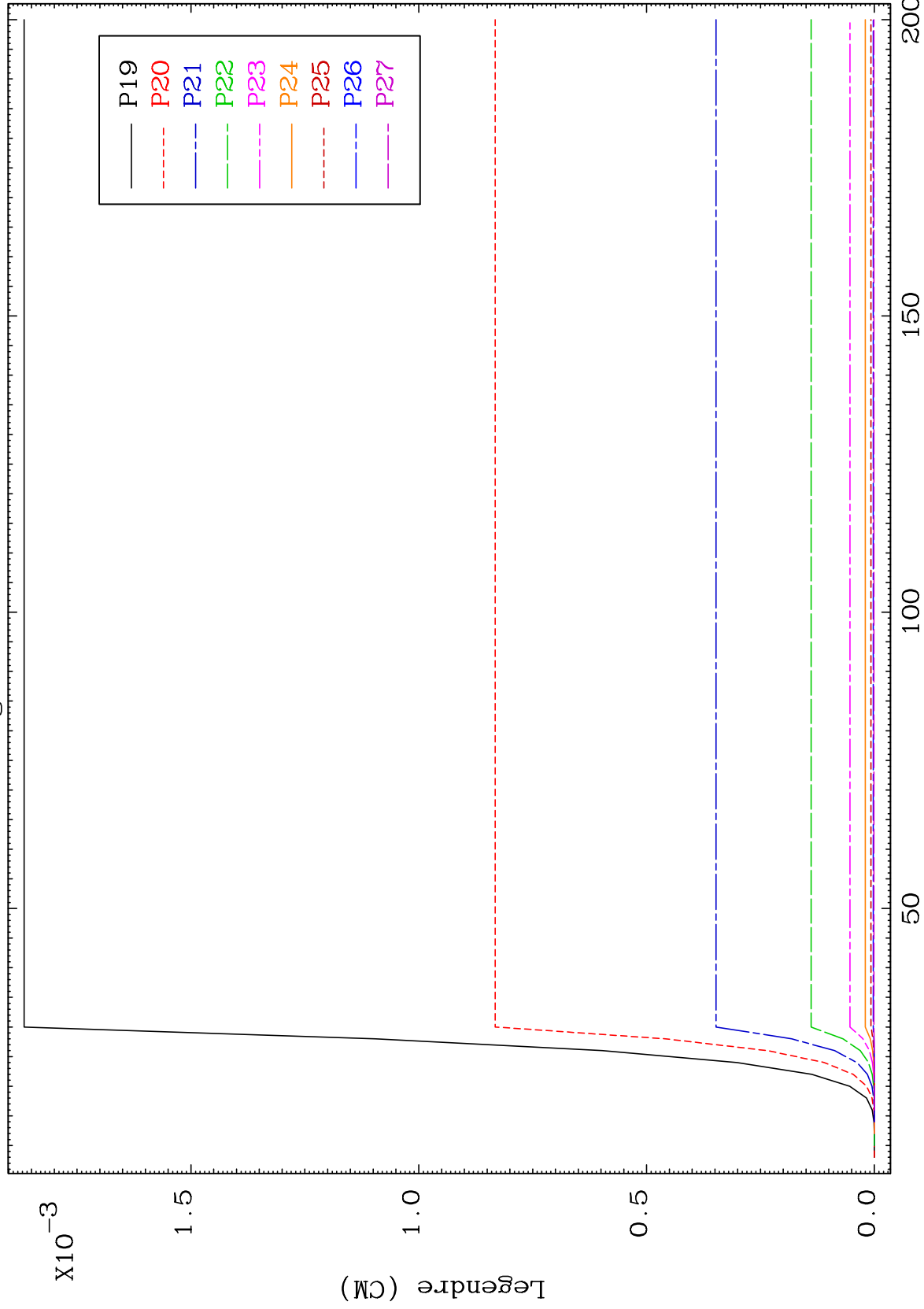
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



38

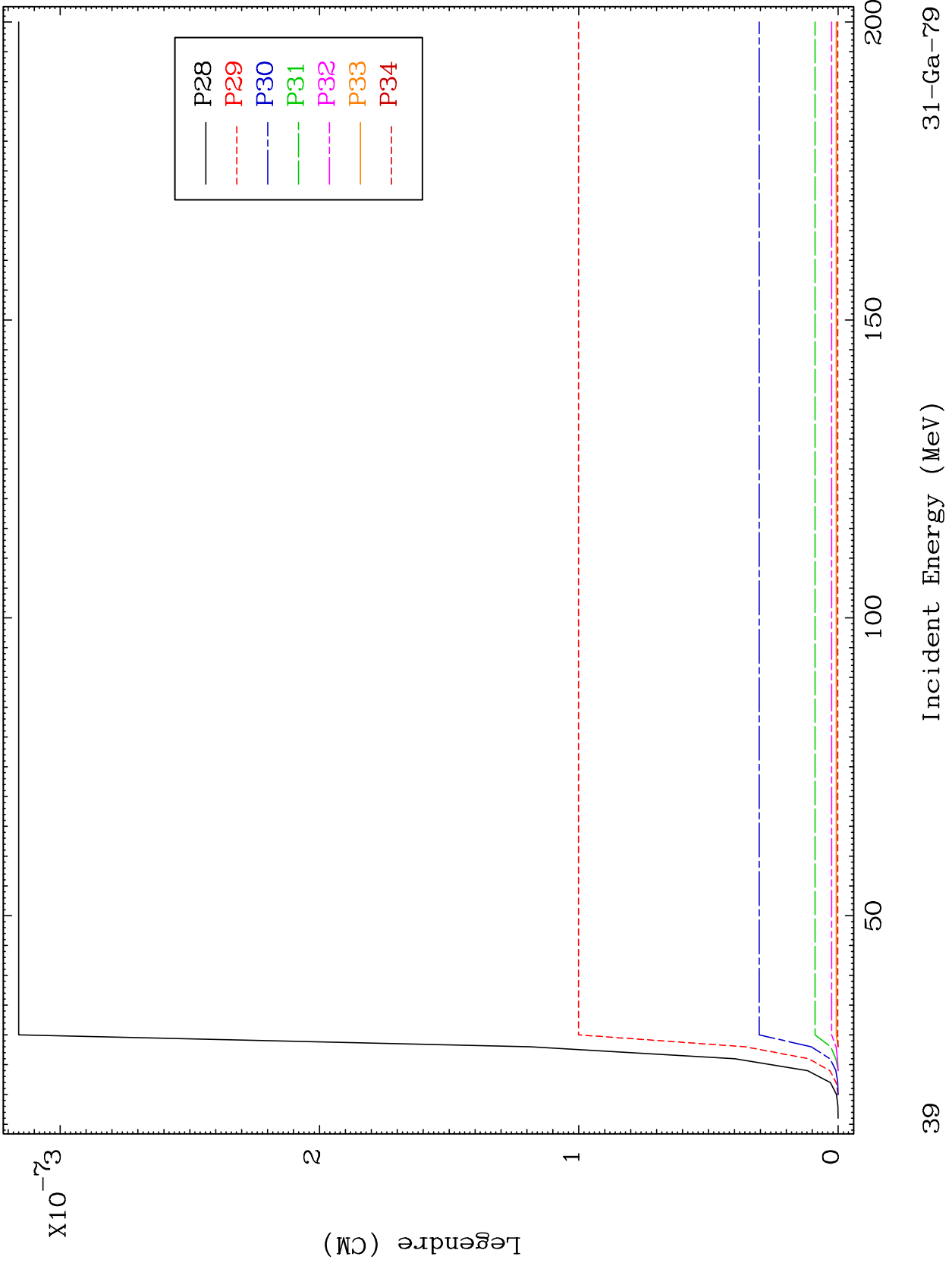
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

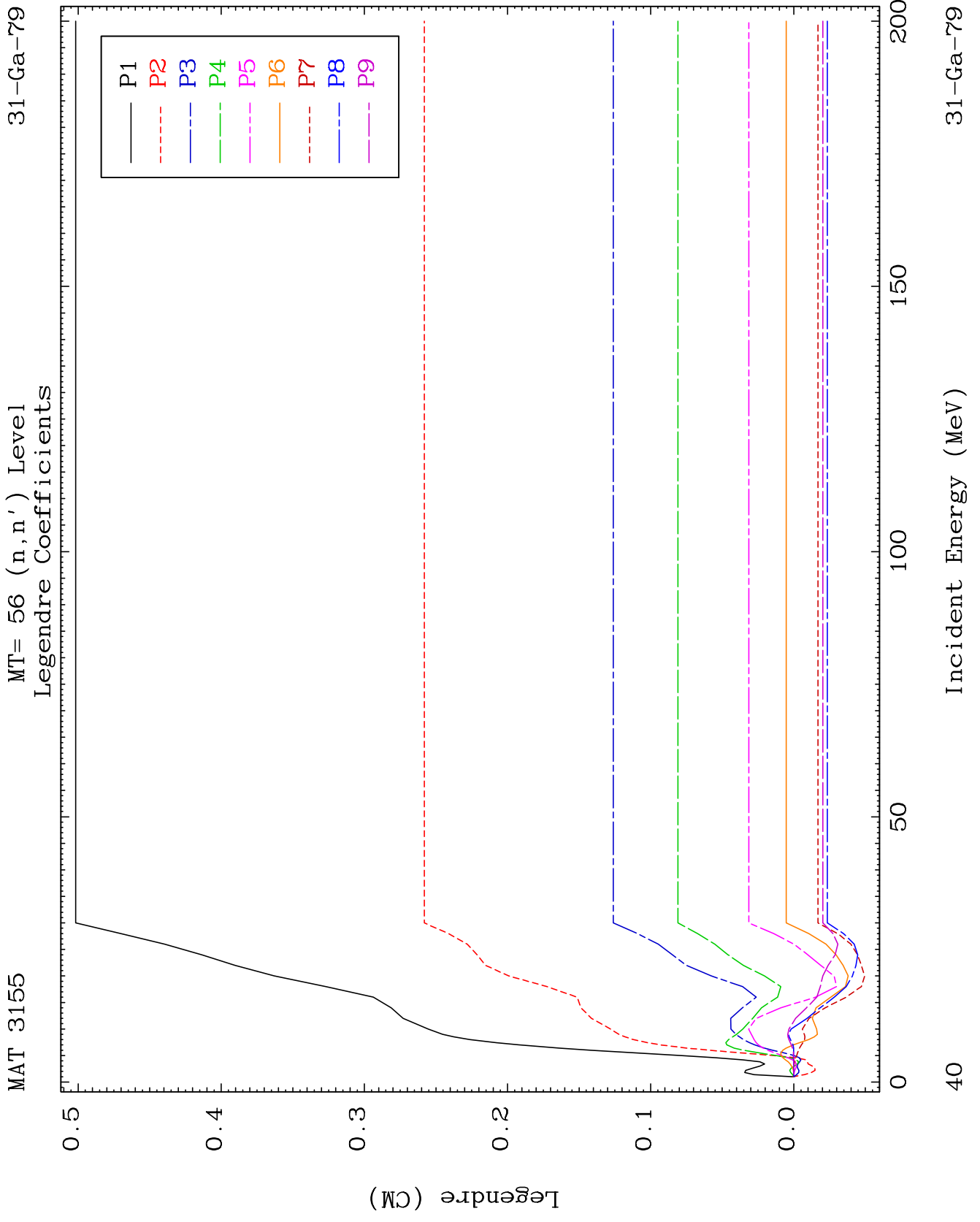
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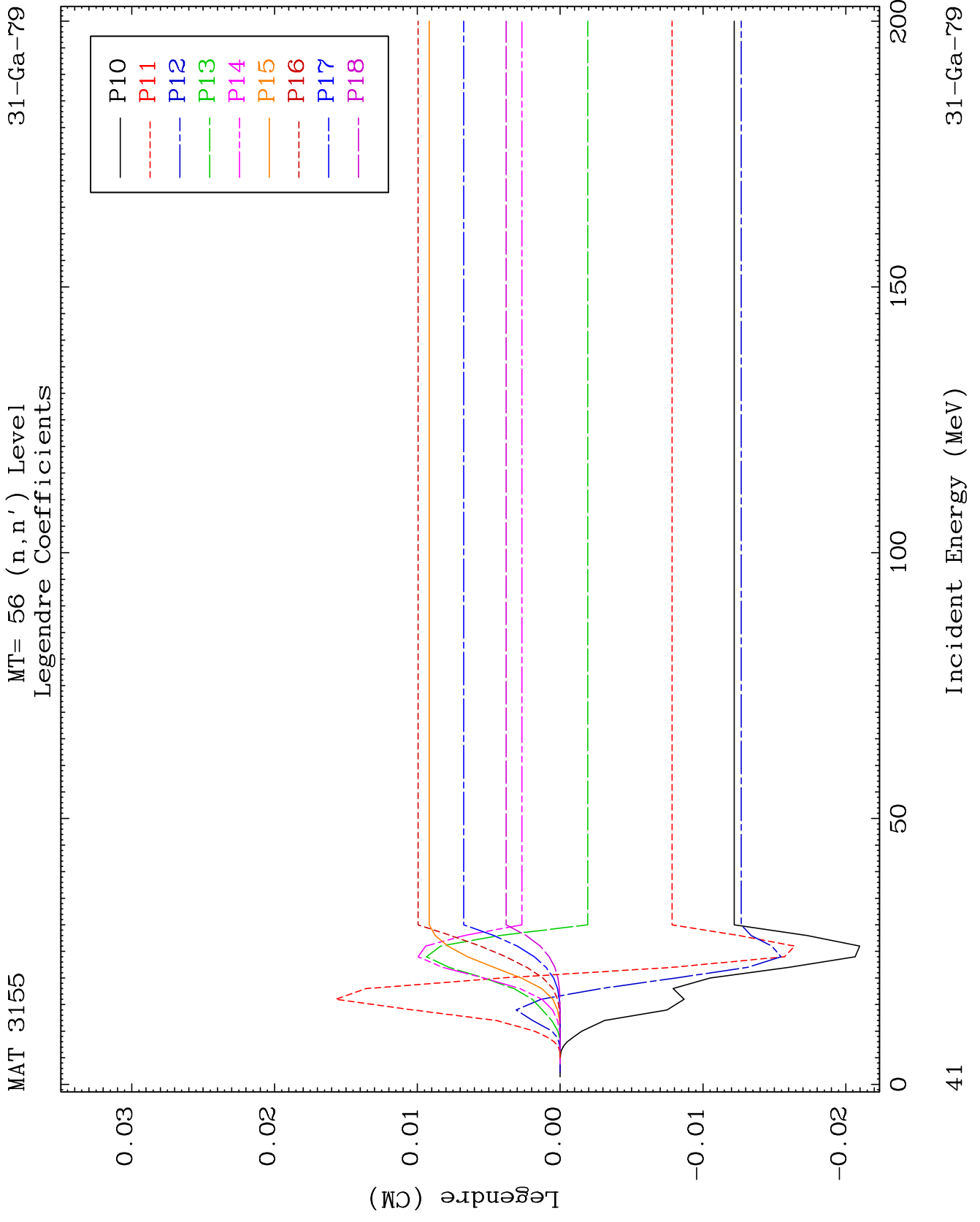


39

Incident Energy (MeV)

31-Ga-79

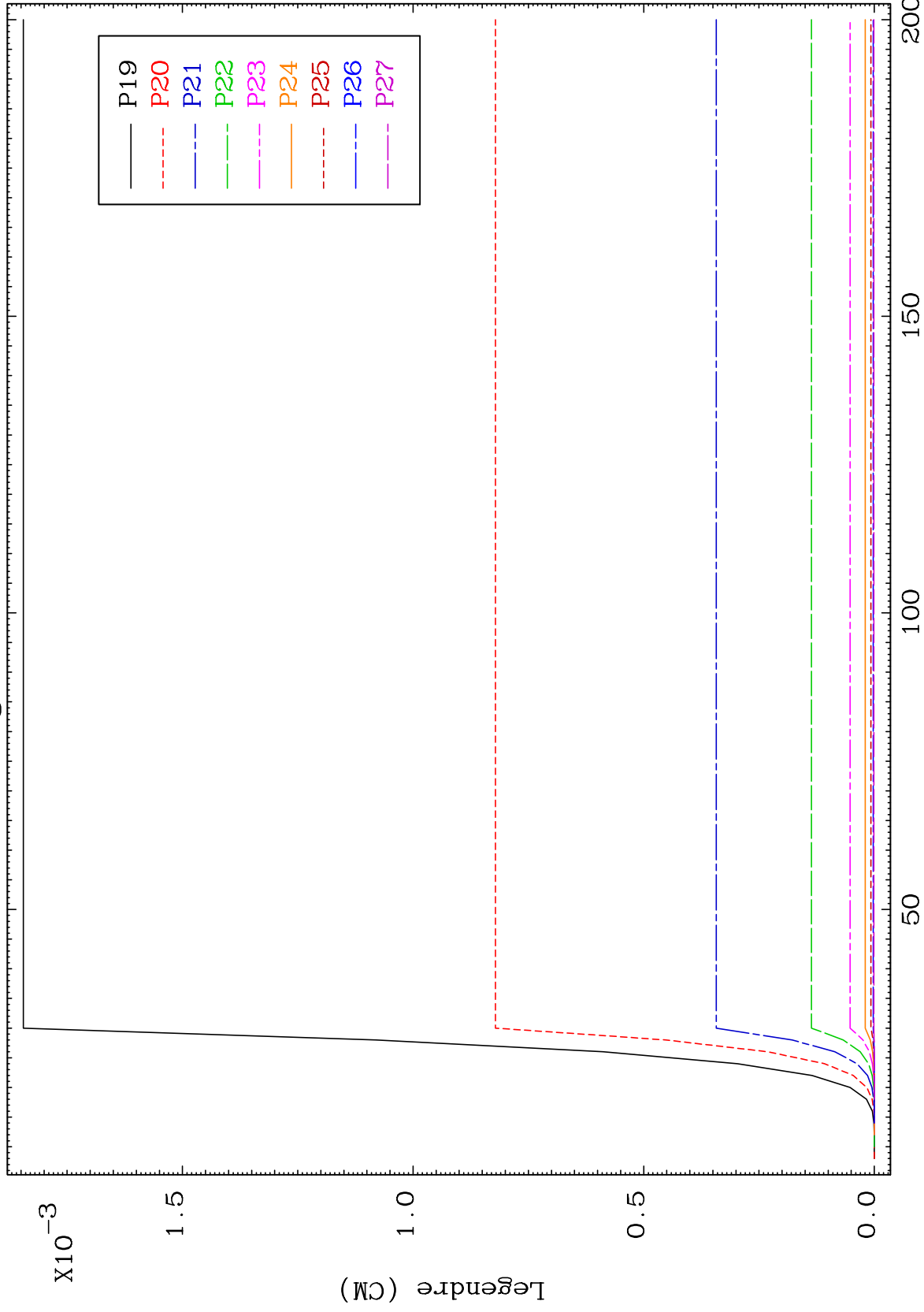




MAT 3155

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

31-Ga-79



42

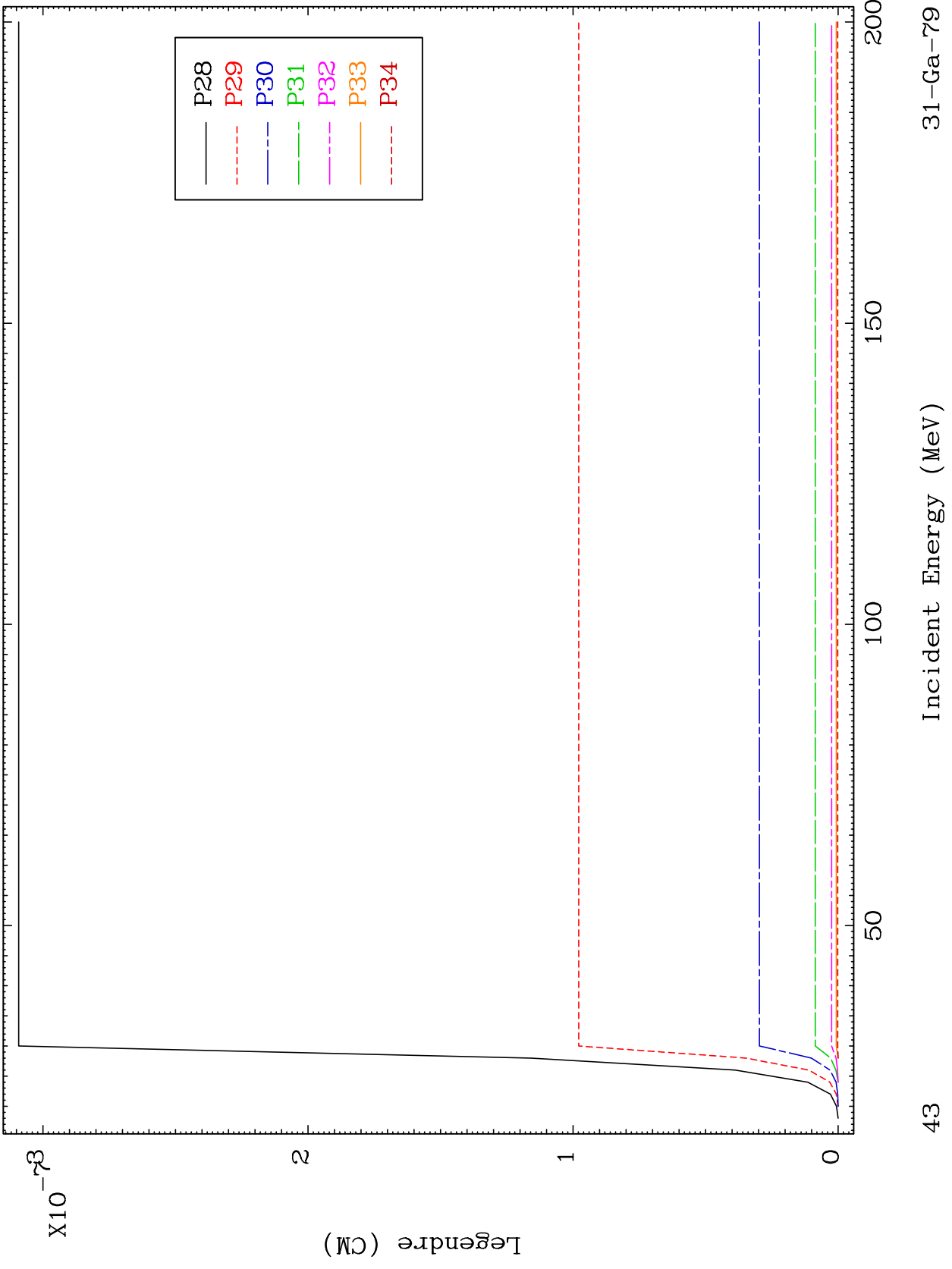
Incident Energy (MeV)

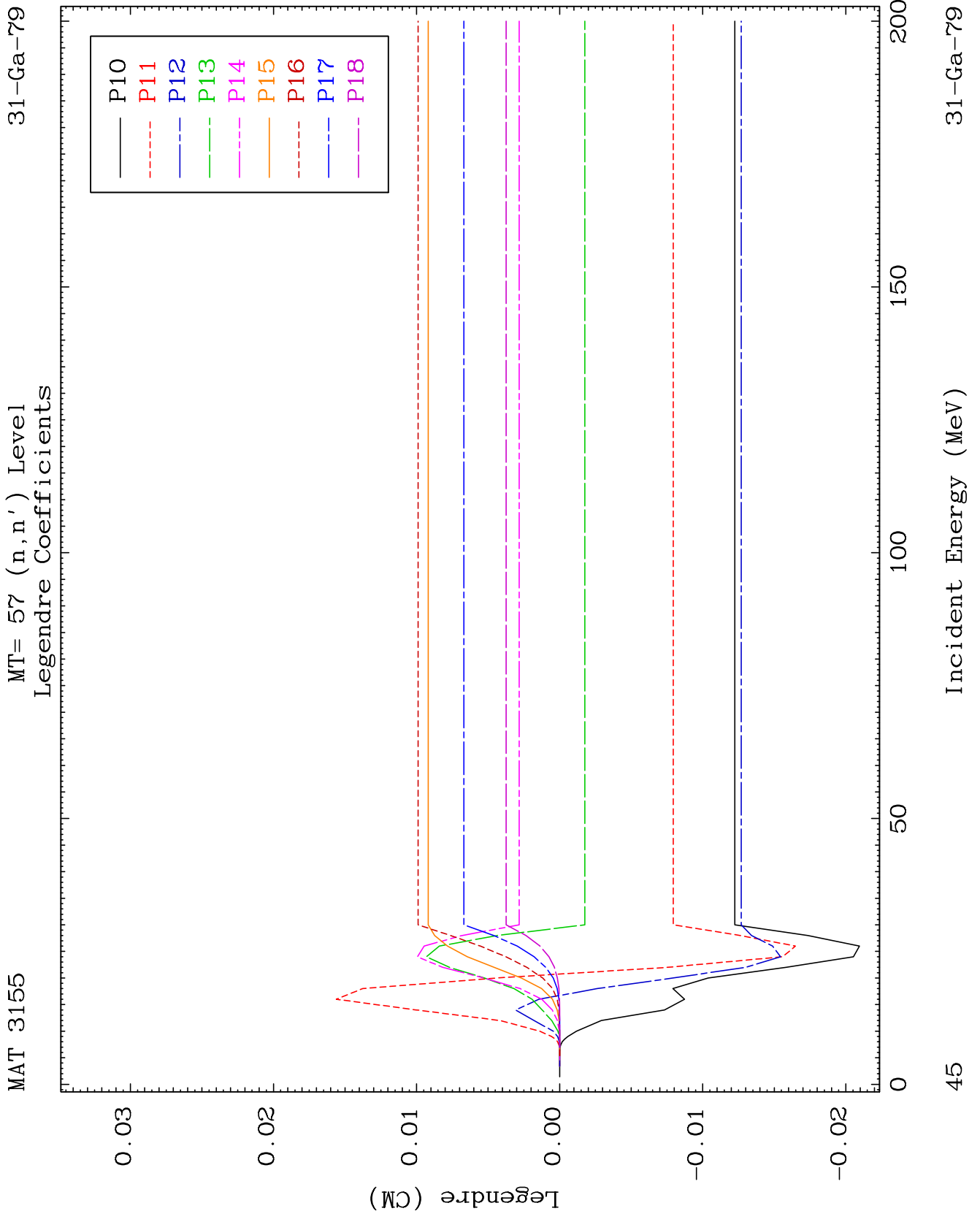
31-Ga-79

MAT 3155

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

31-Ga-79

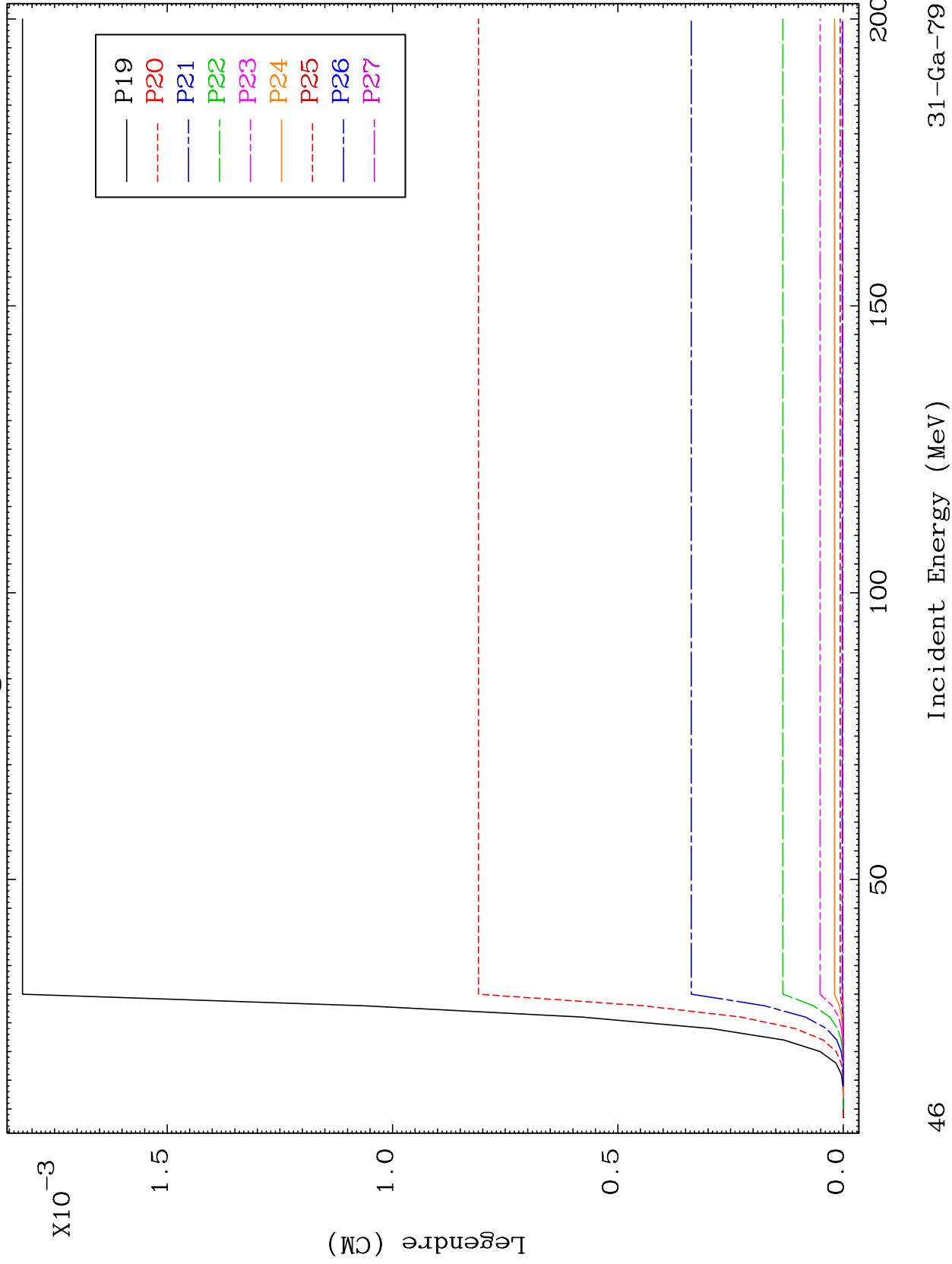




MAT 3155

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

31-Ga-79



46

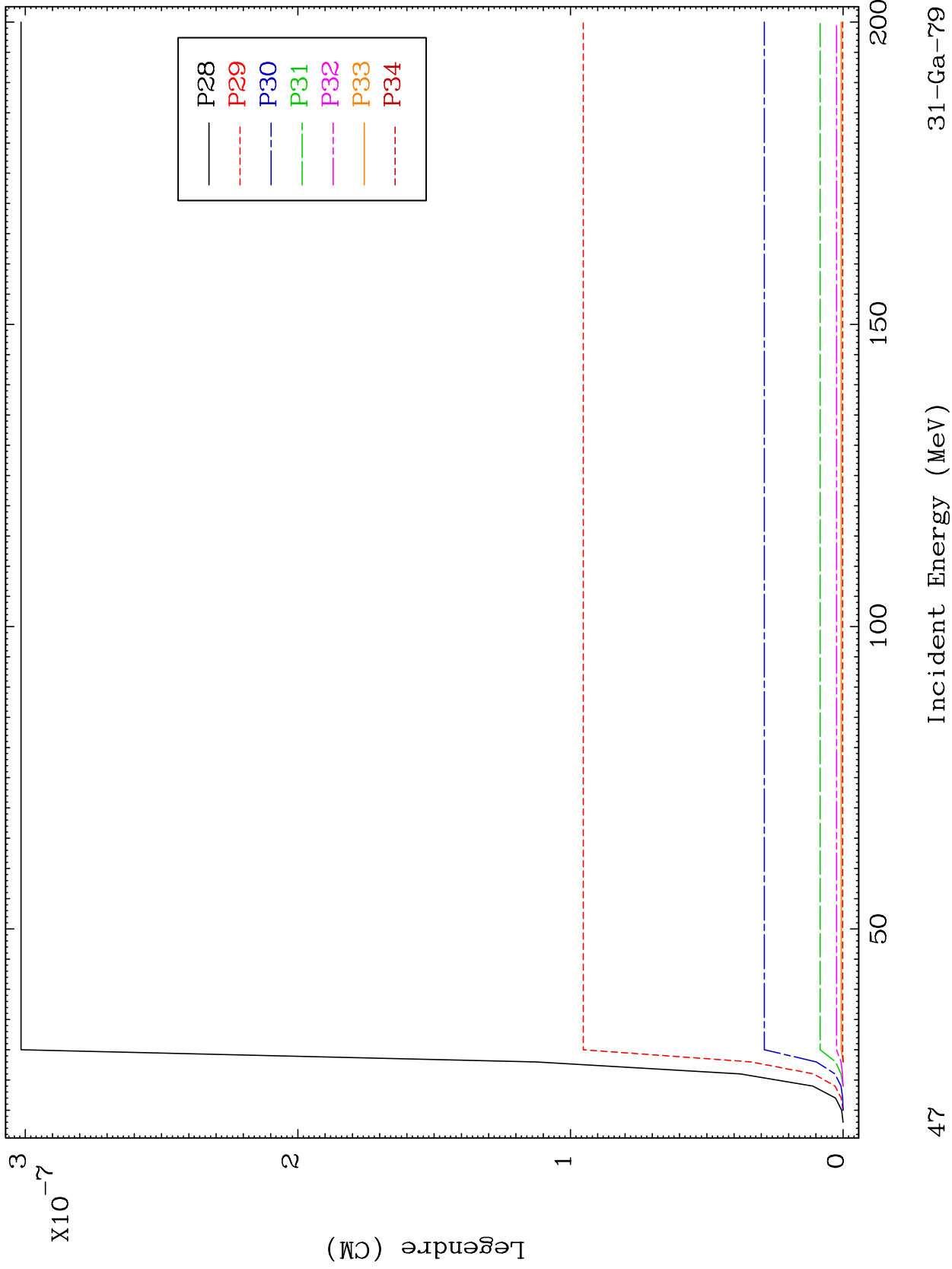
Incident Energy (MeV)

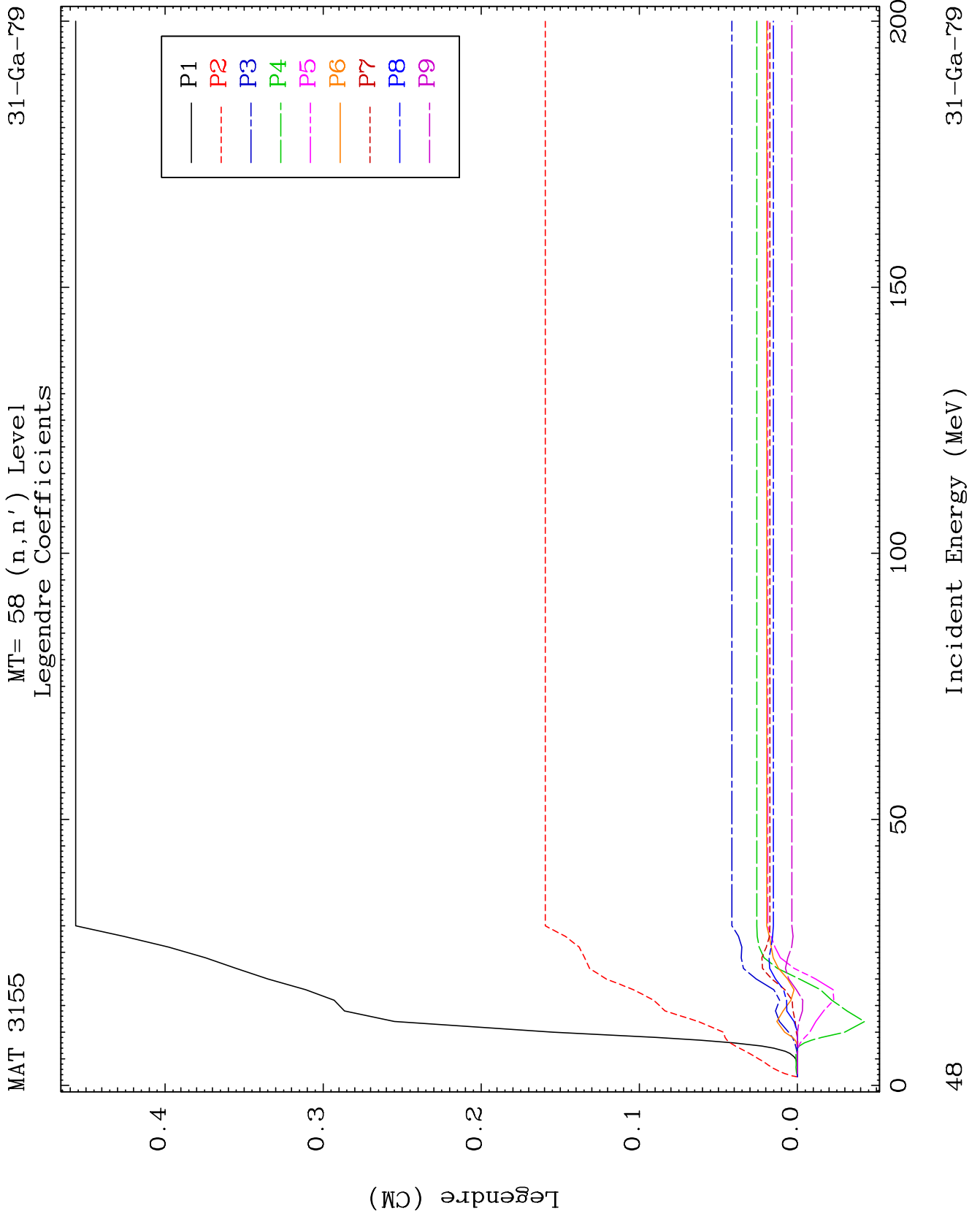
31-Ga-79

MAT 3155

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

31-Ga-79

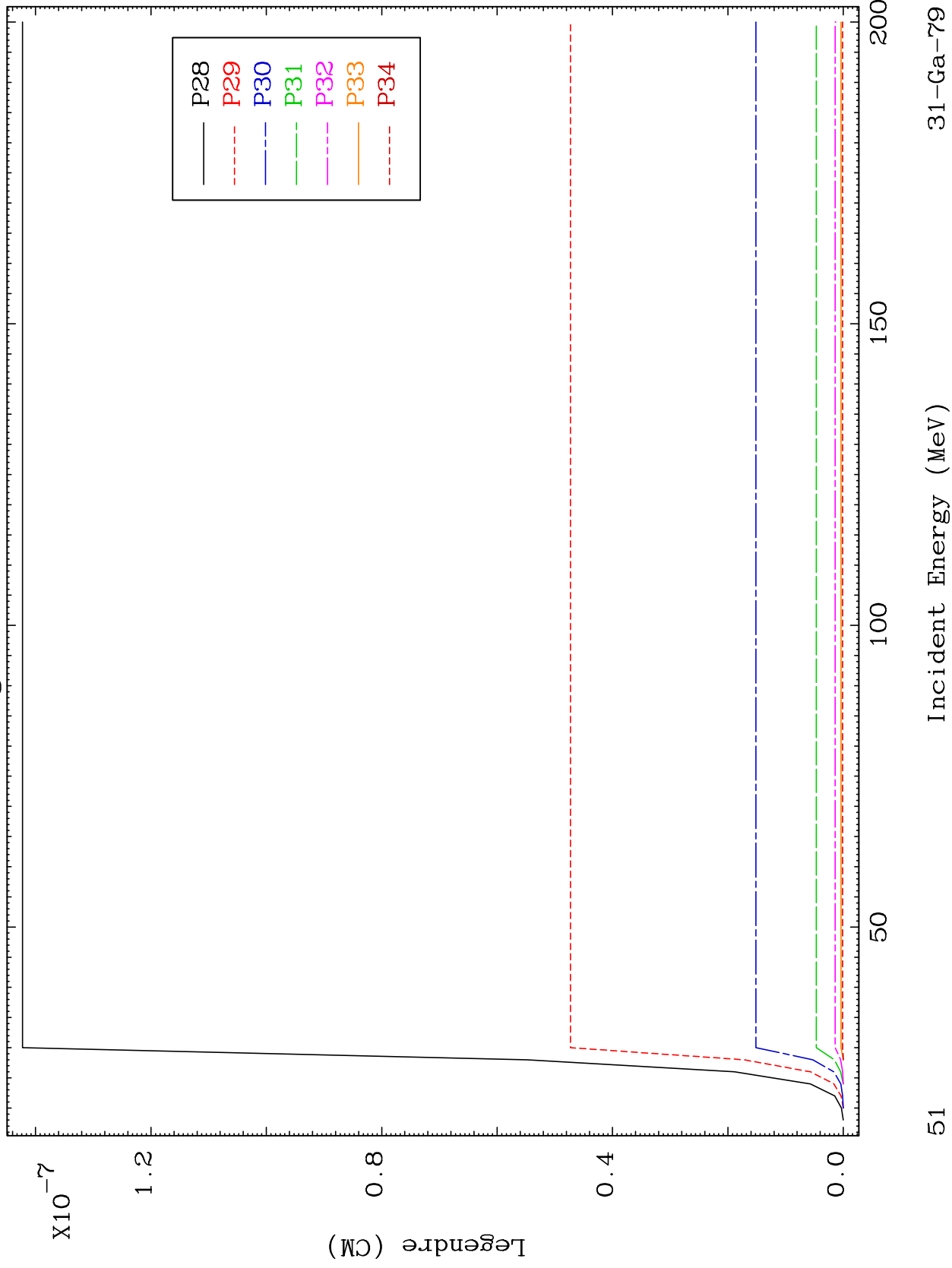




MAT 3155

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

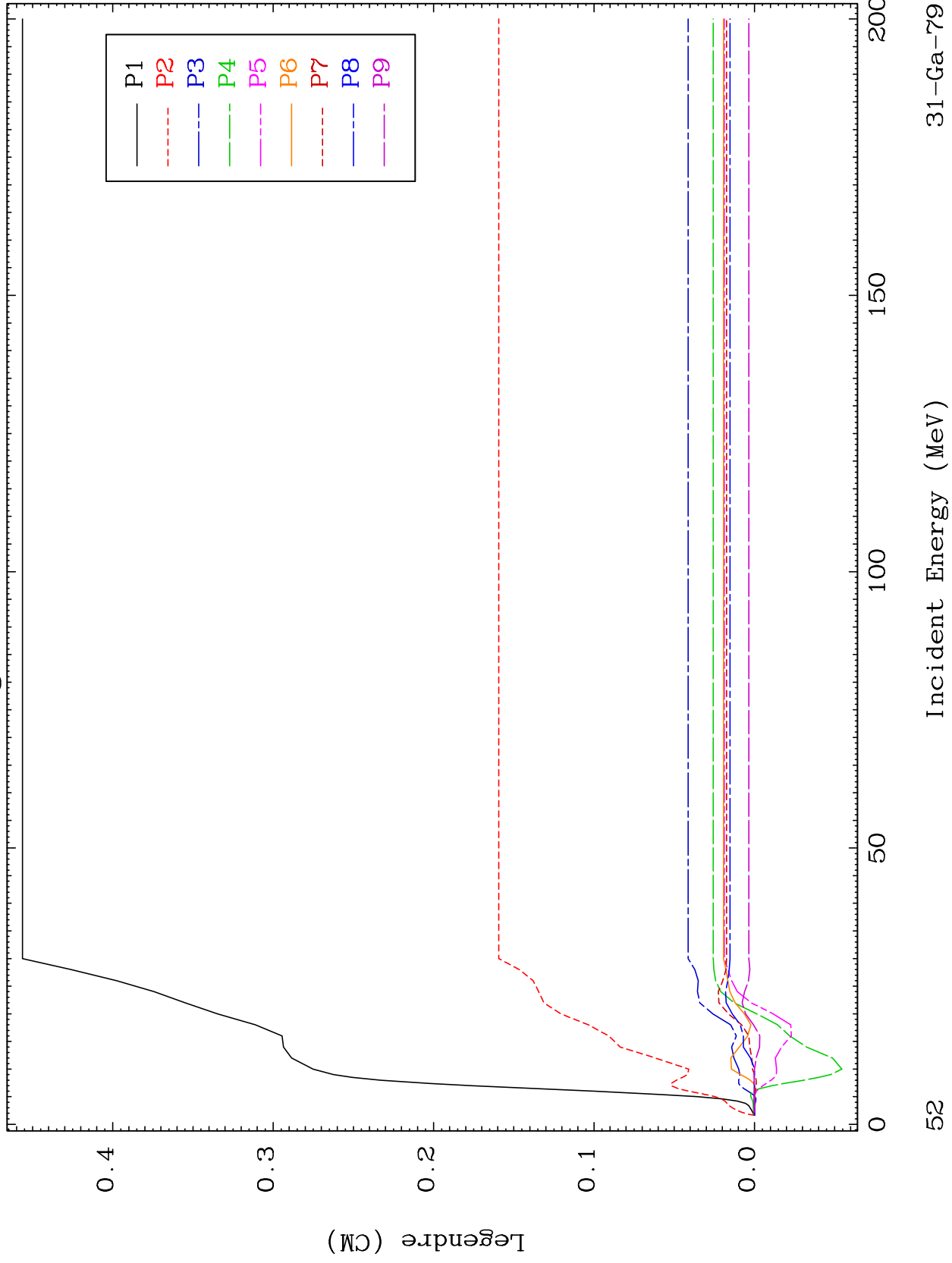
31-Ga-79



MAT 3155

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

31-Ga-79



31-Ga-79

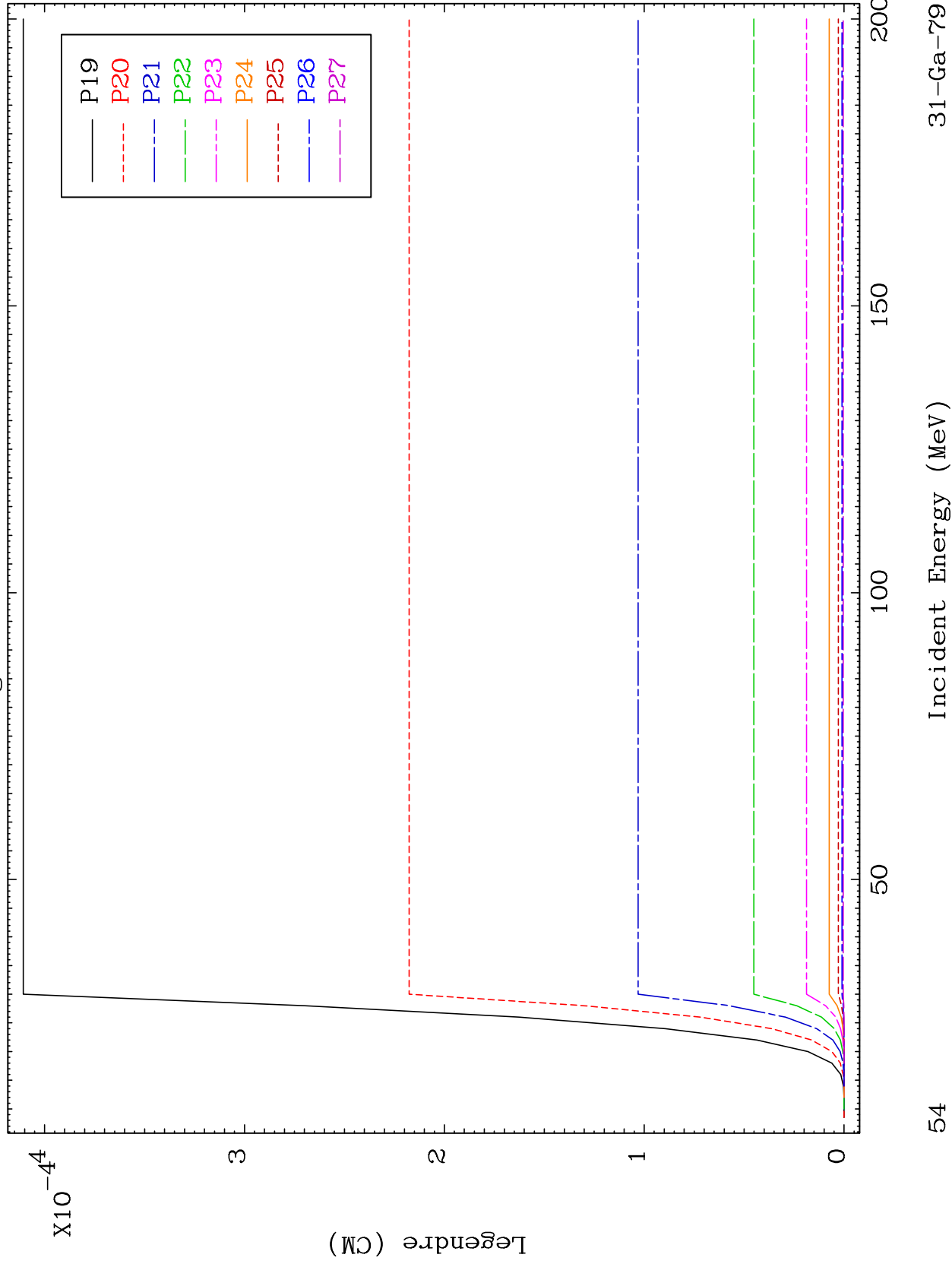
Incident Energy (MeV)

52

MAT 3155

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

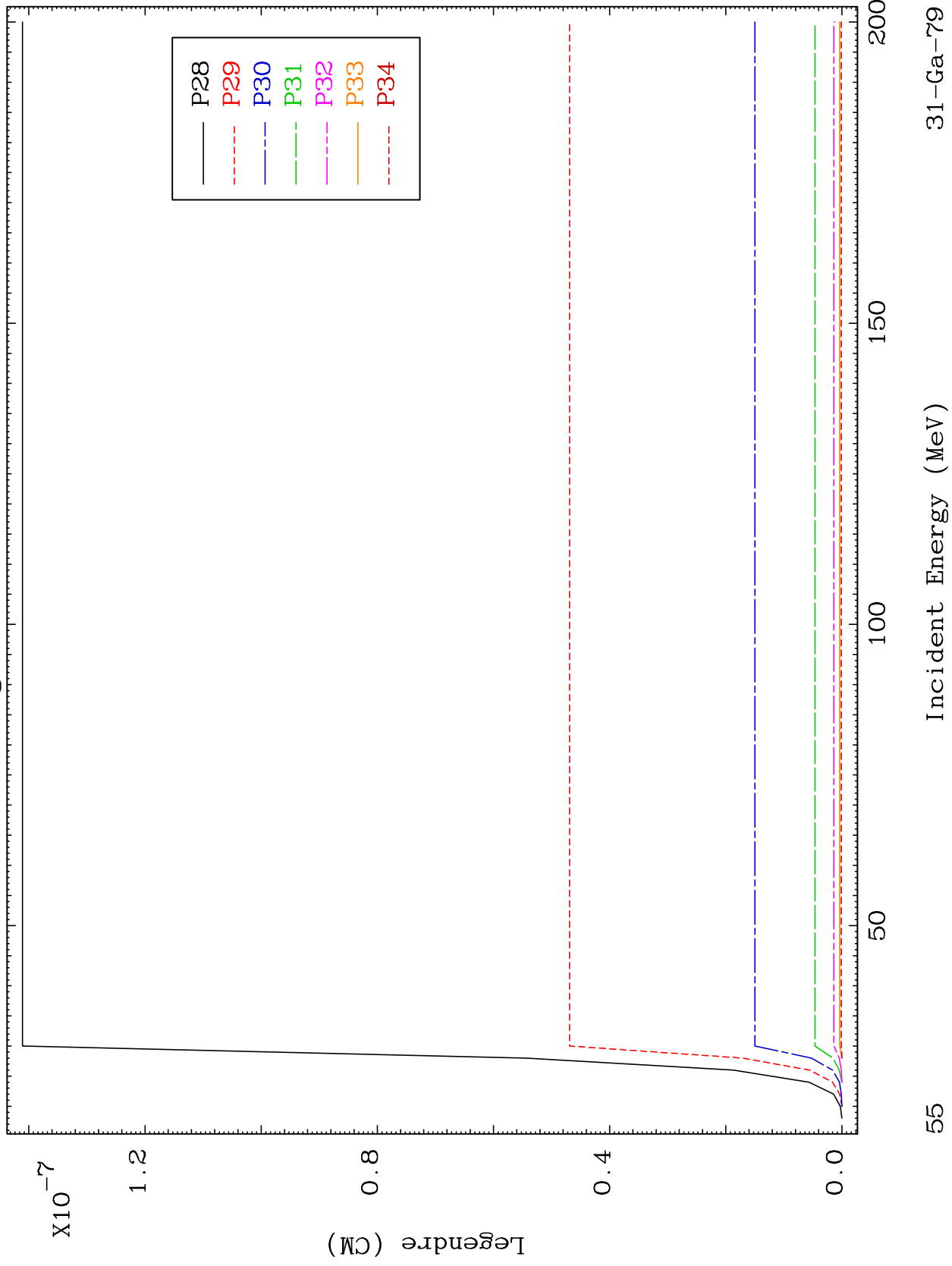
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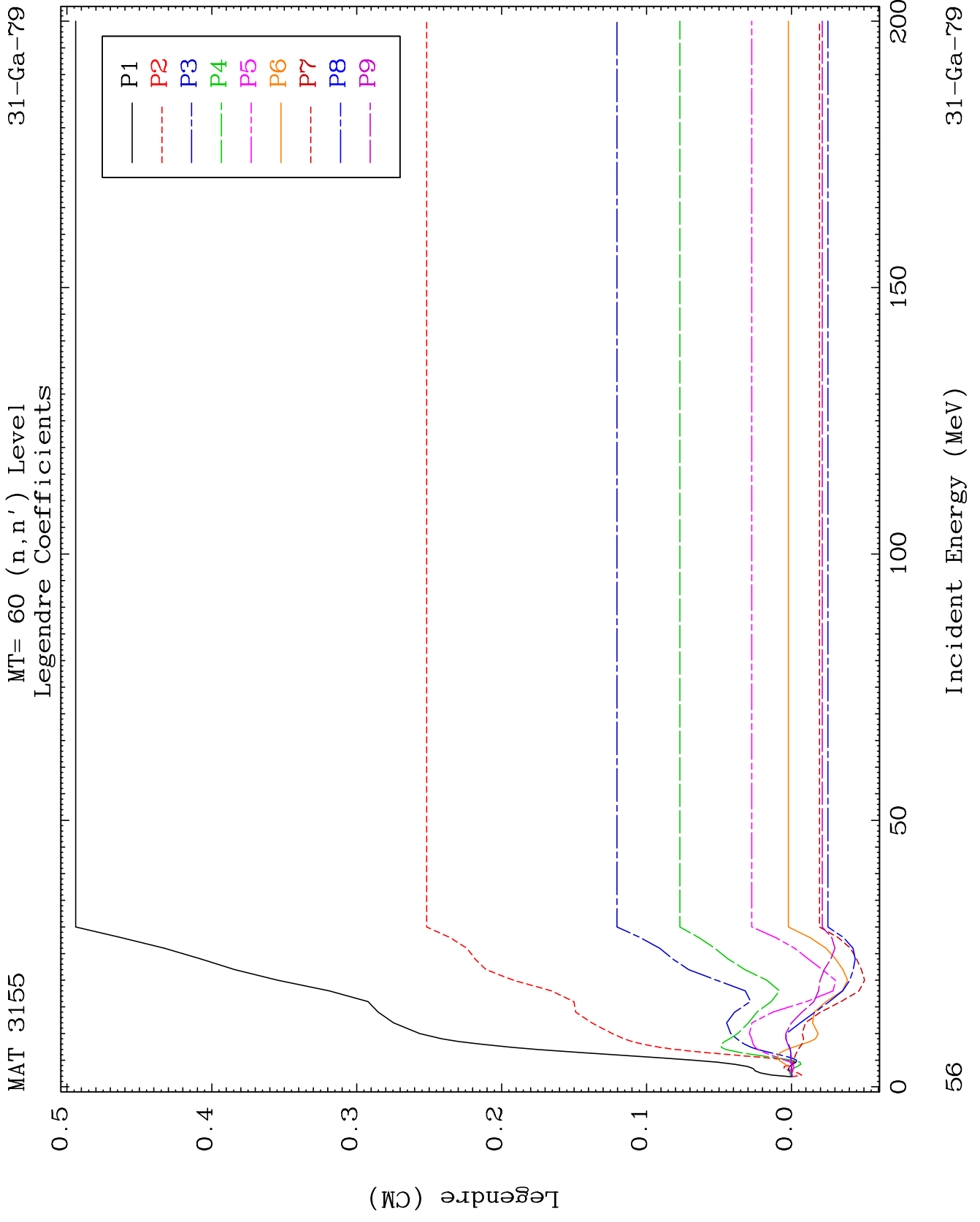


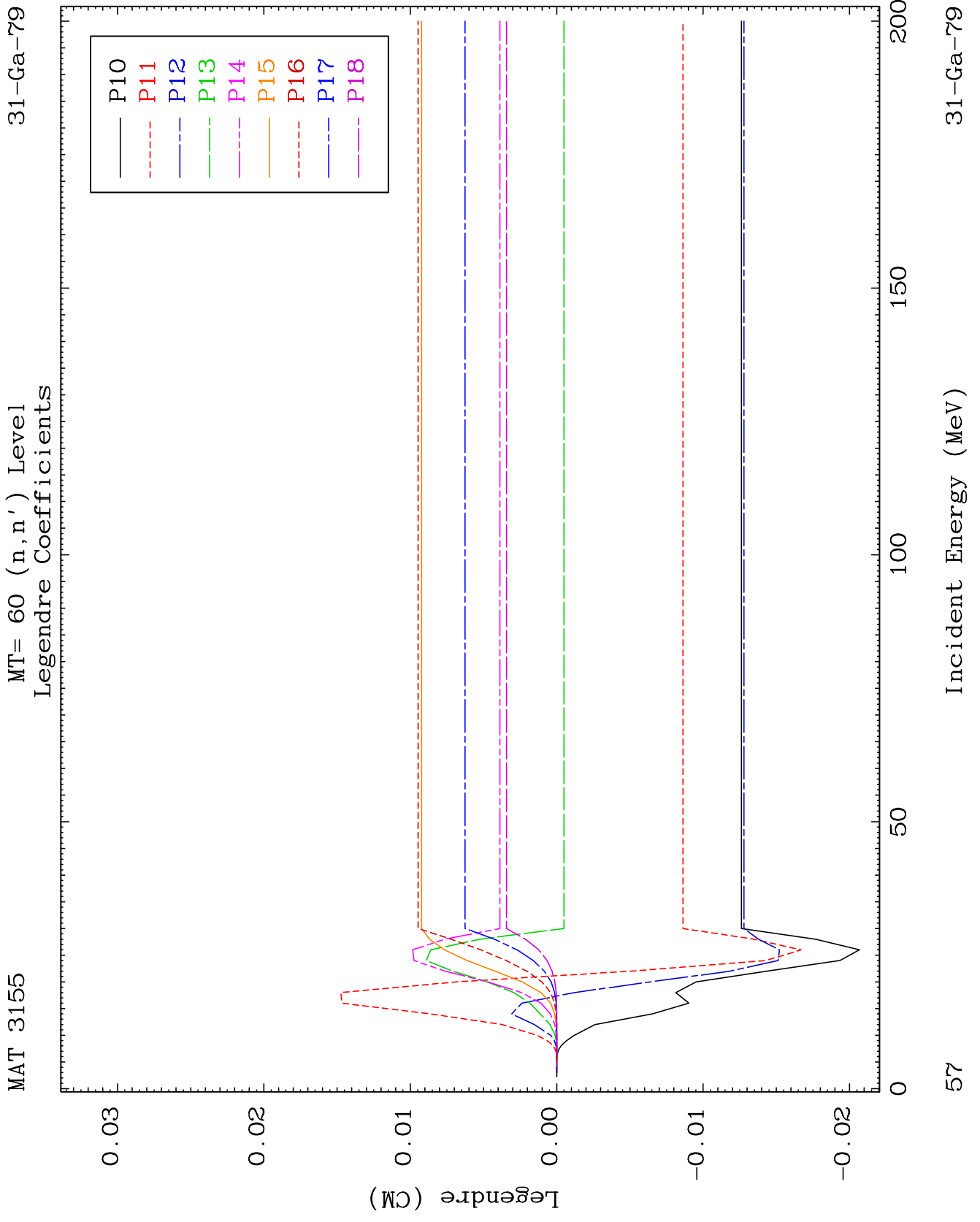
MAT 3155

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

31-Ga-79



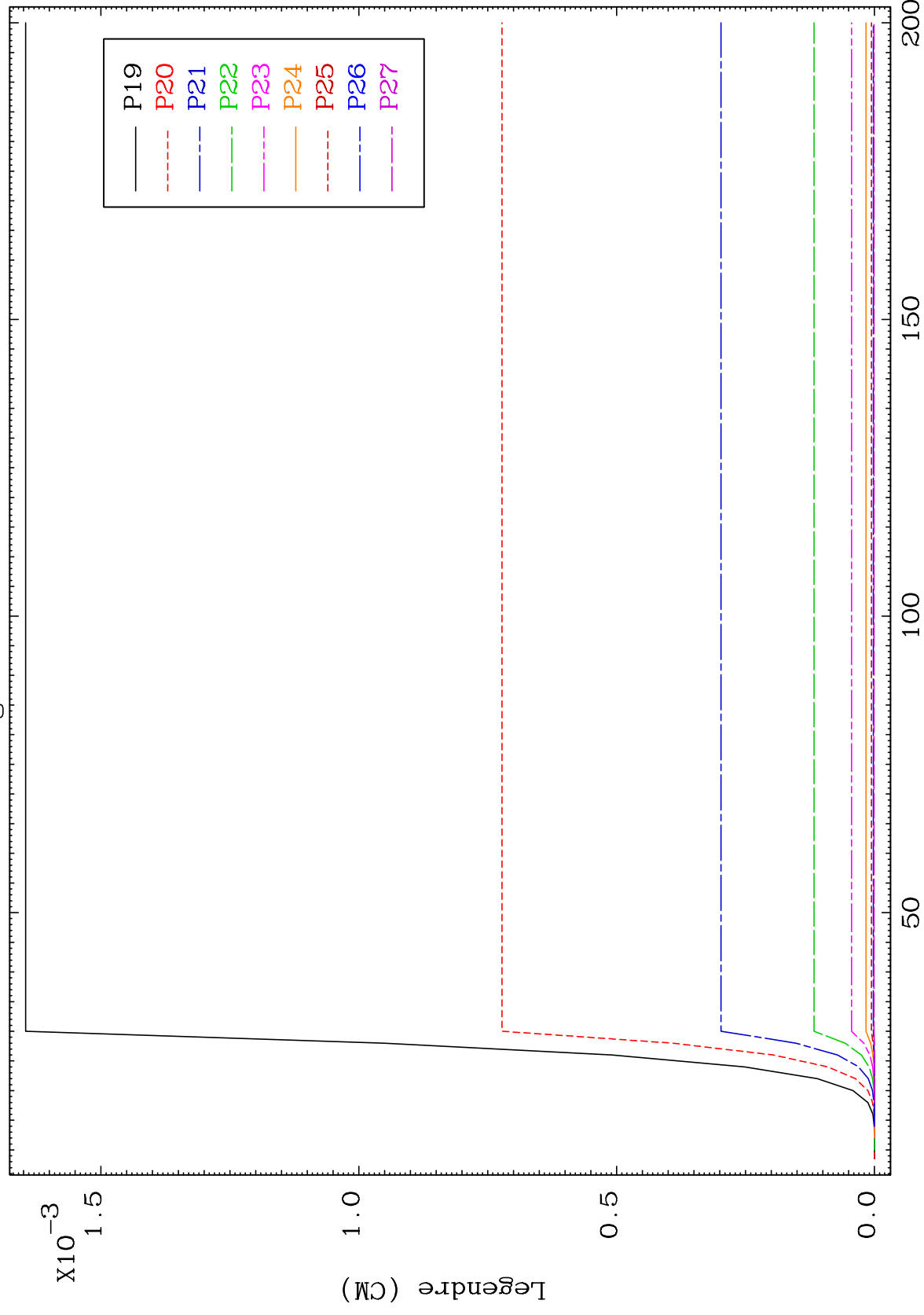




MAT 3155

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

31-Ga-79



58

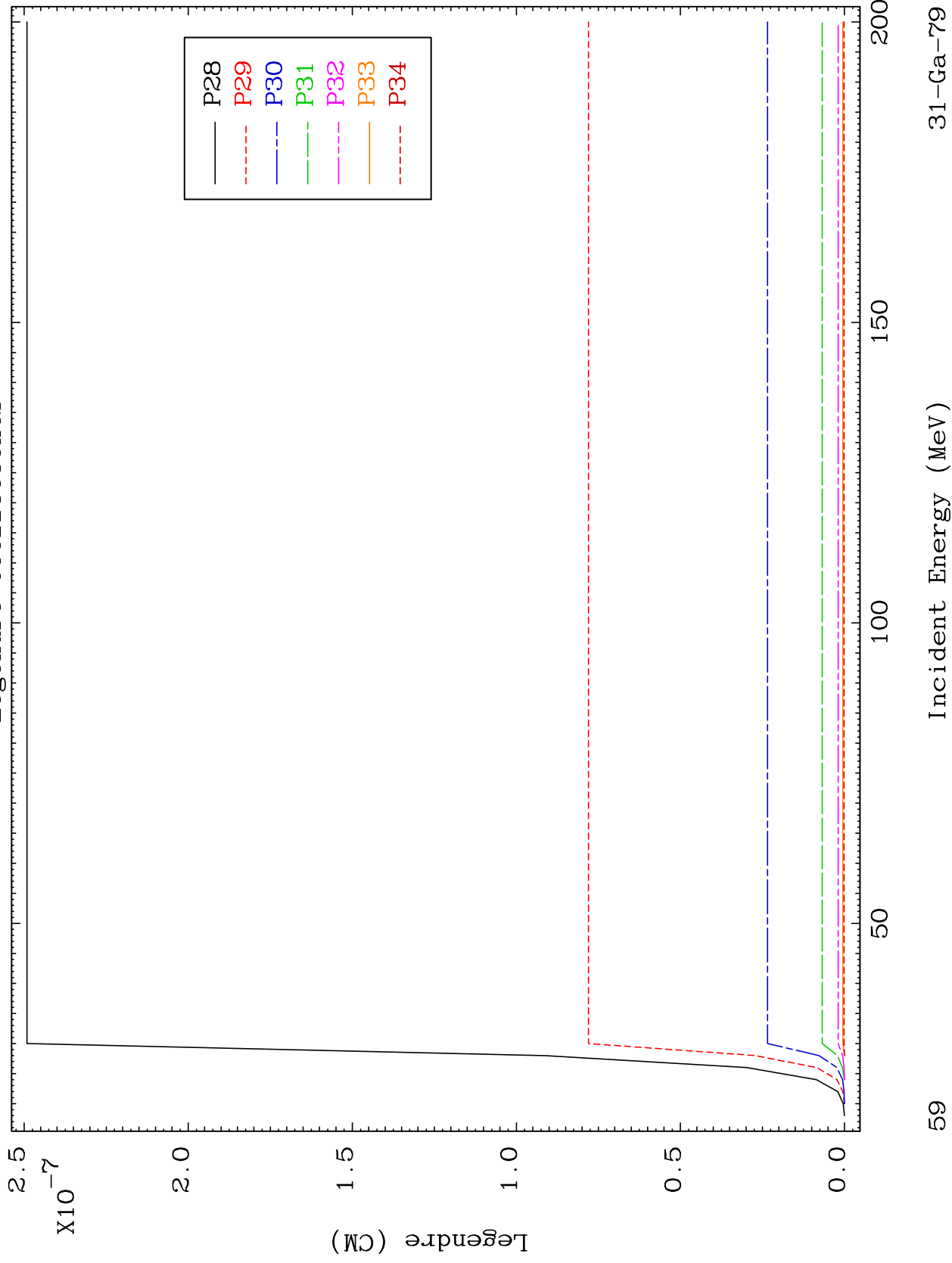
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



59

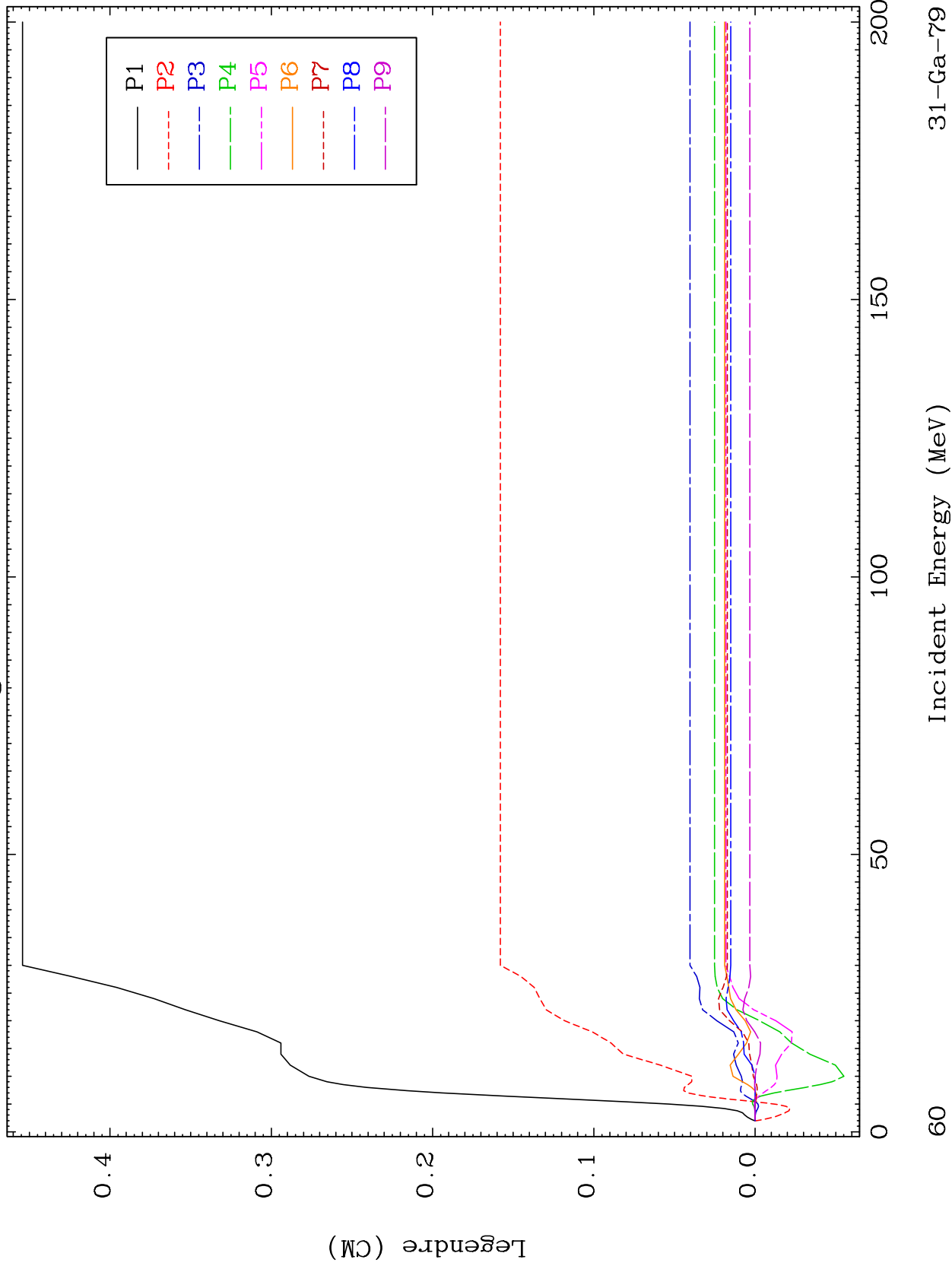
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79

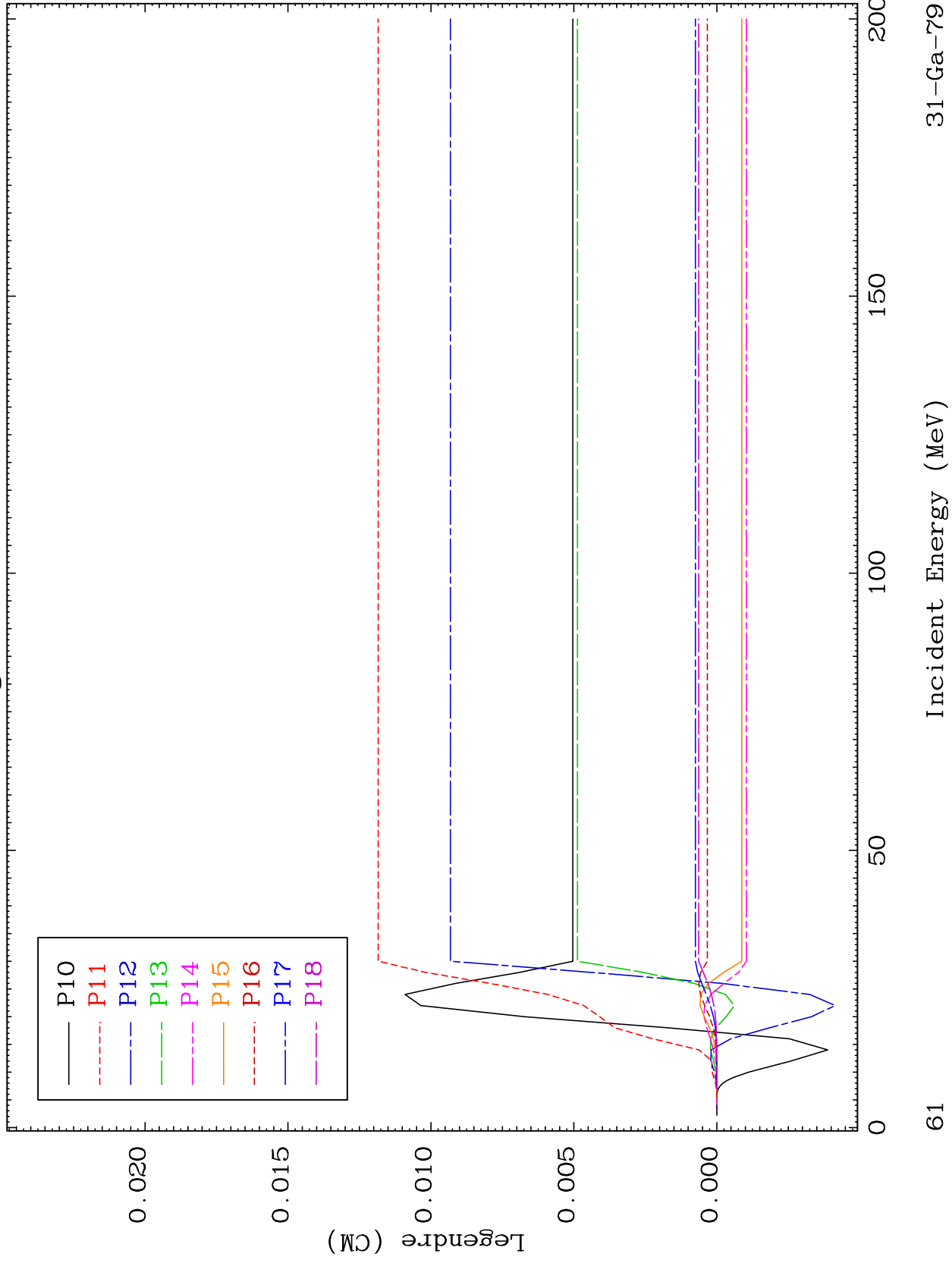


31-Ga-79

MAT 3155

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

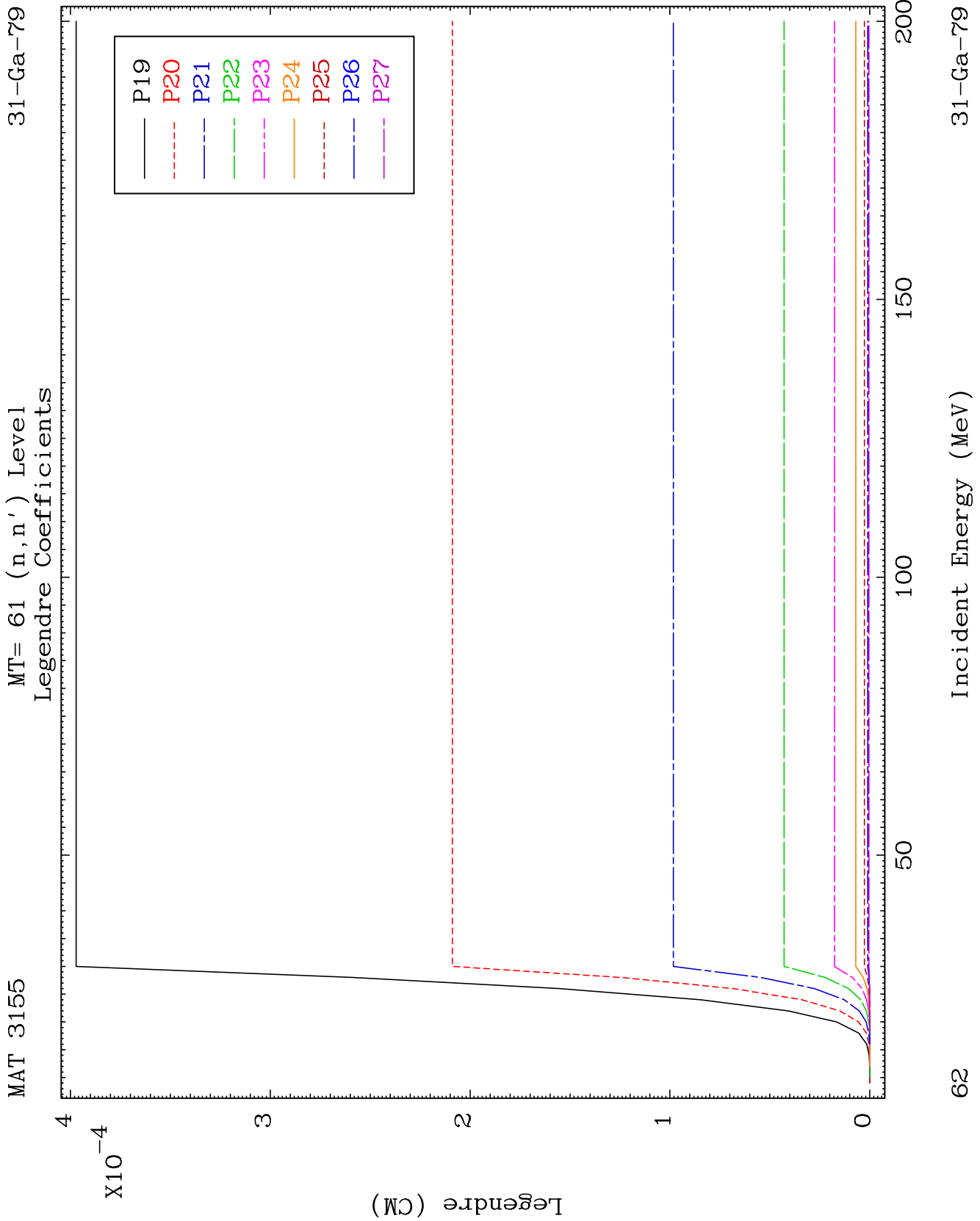
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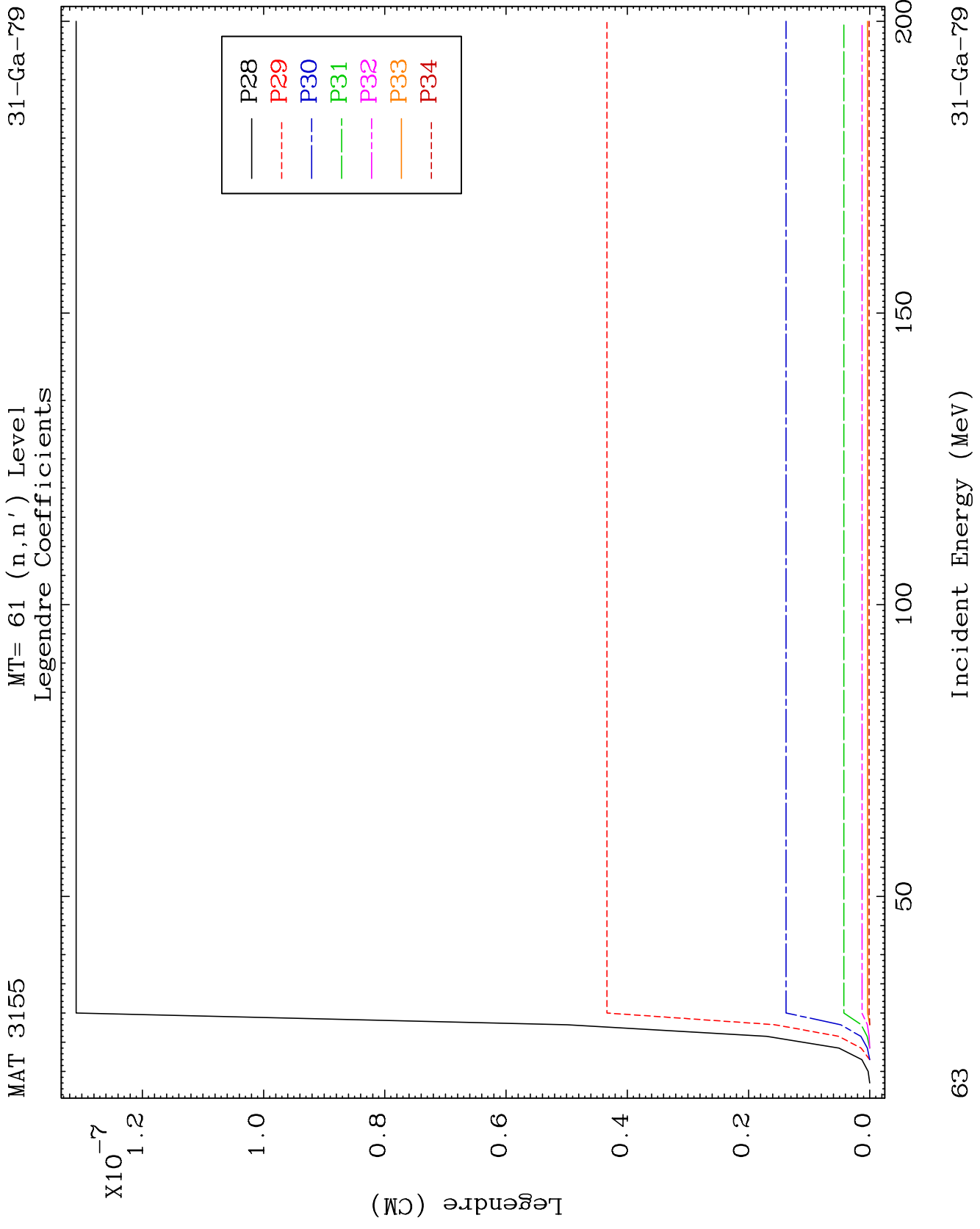


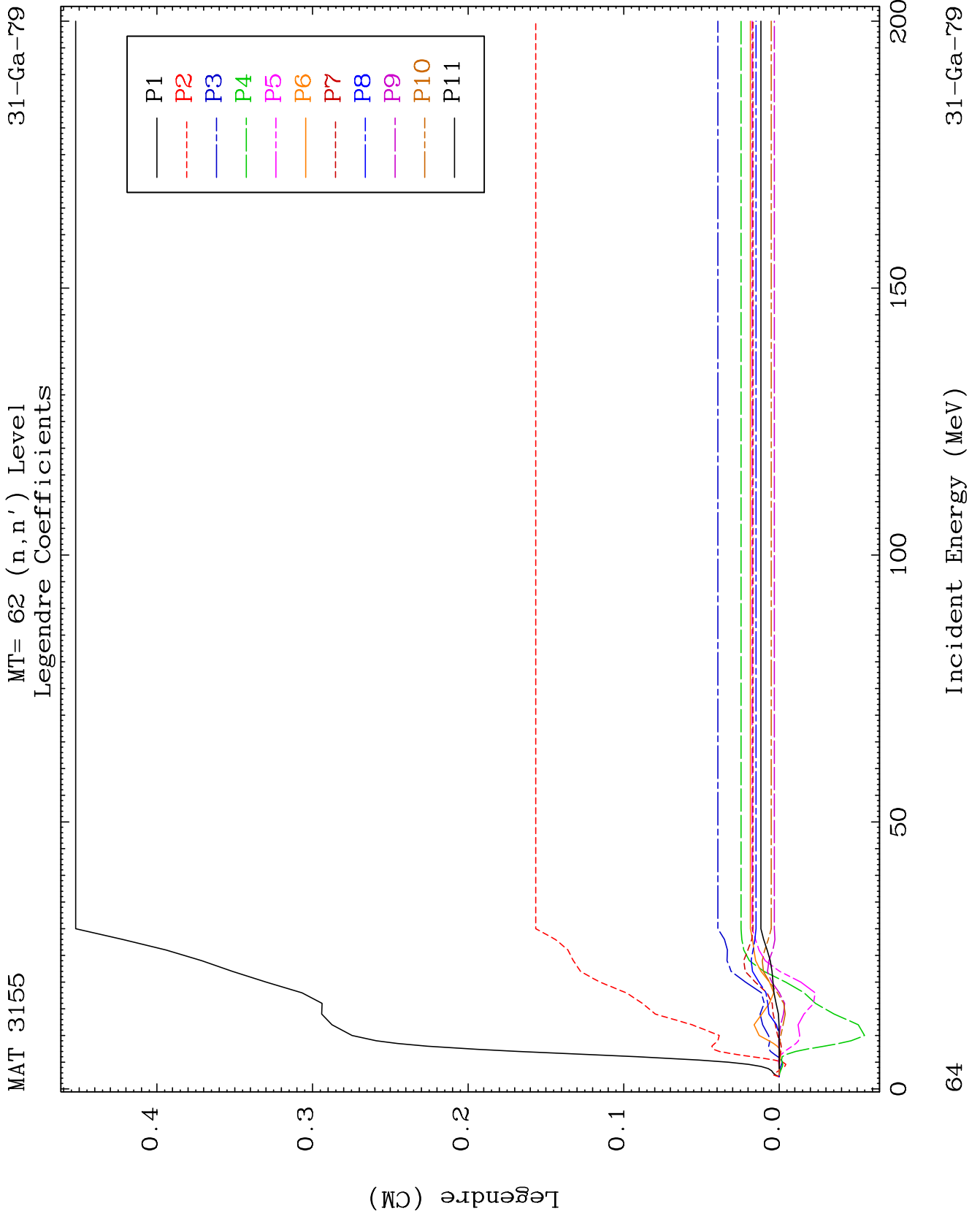
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Incident Energy (MeV)

31-Ga-79



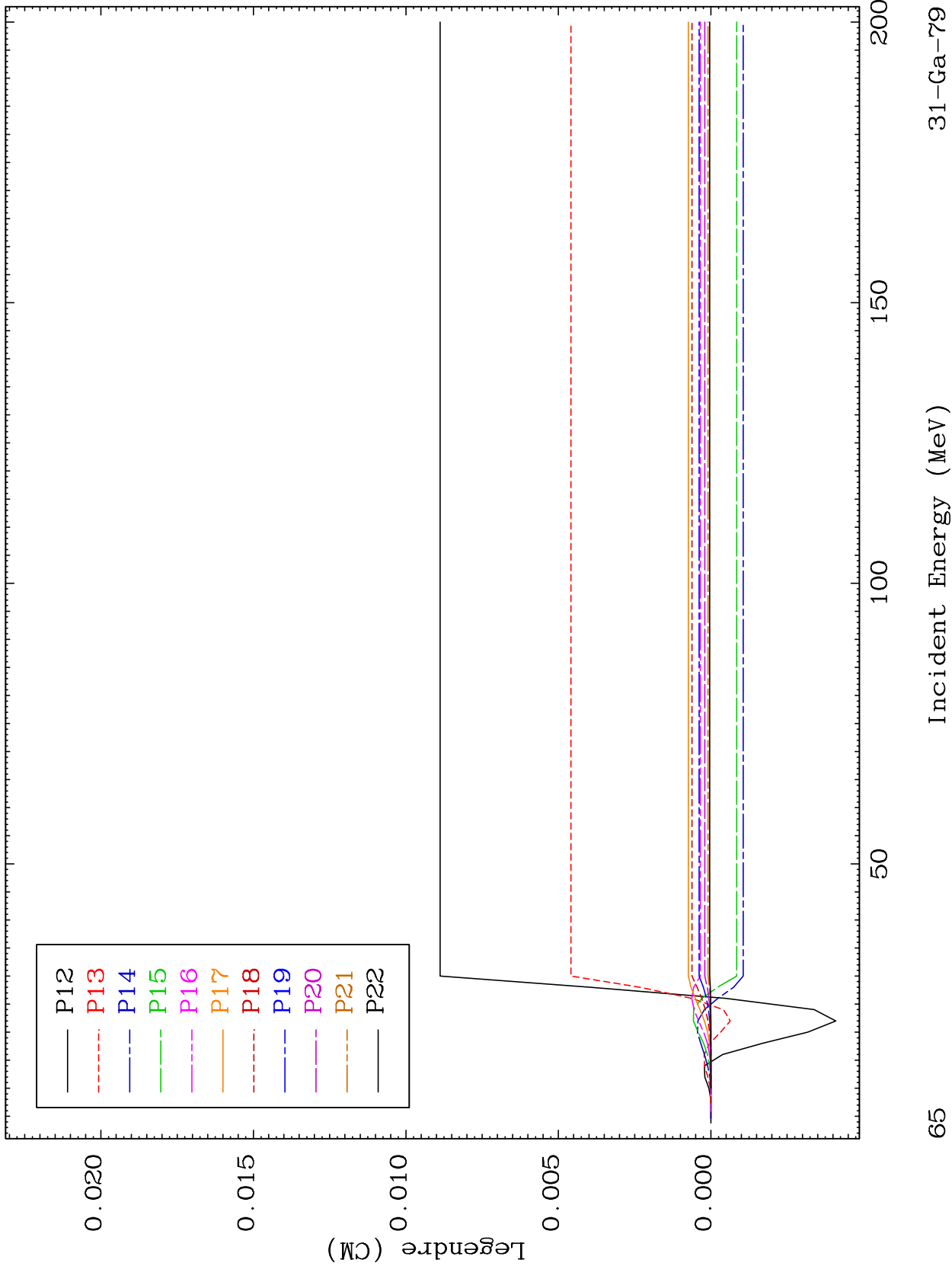




MAT 3155

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

31-Ga-79



65

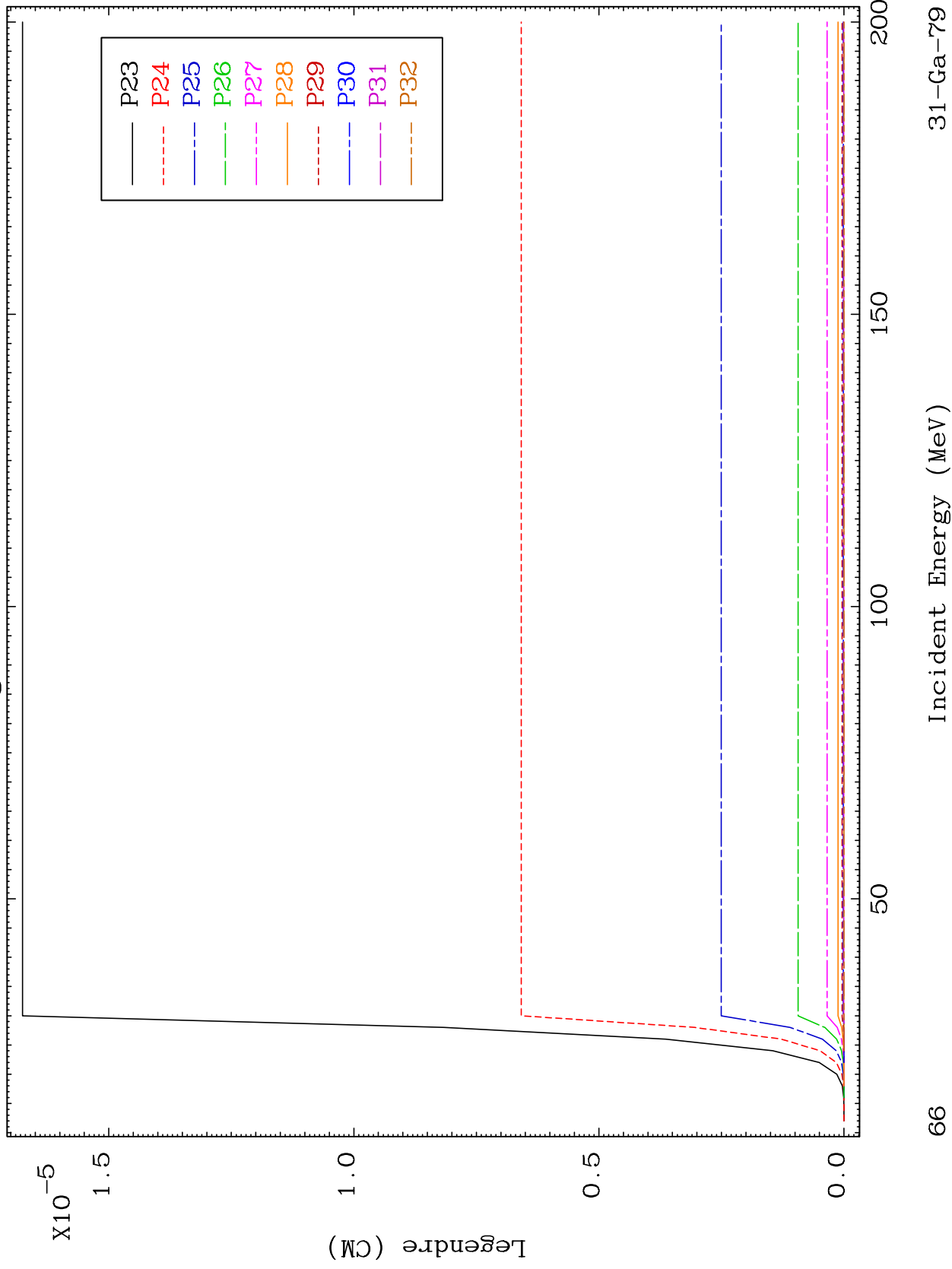
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



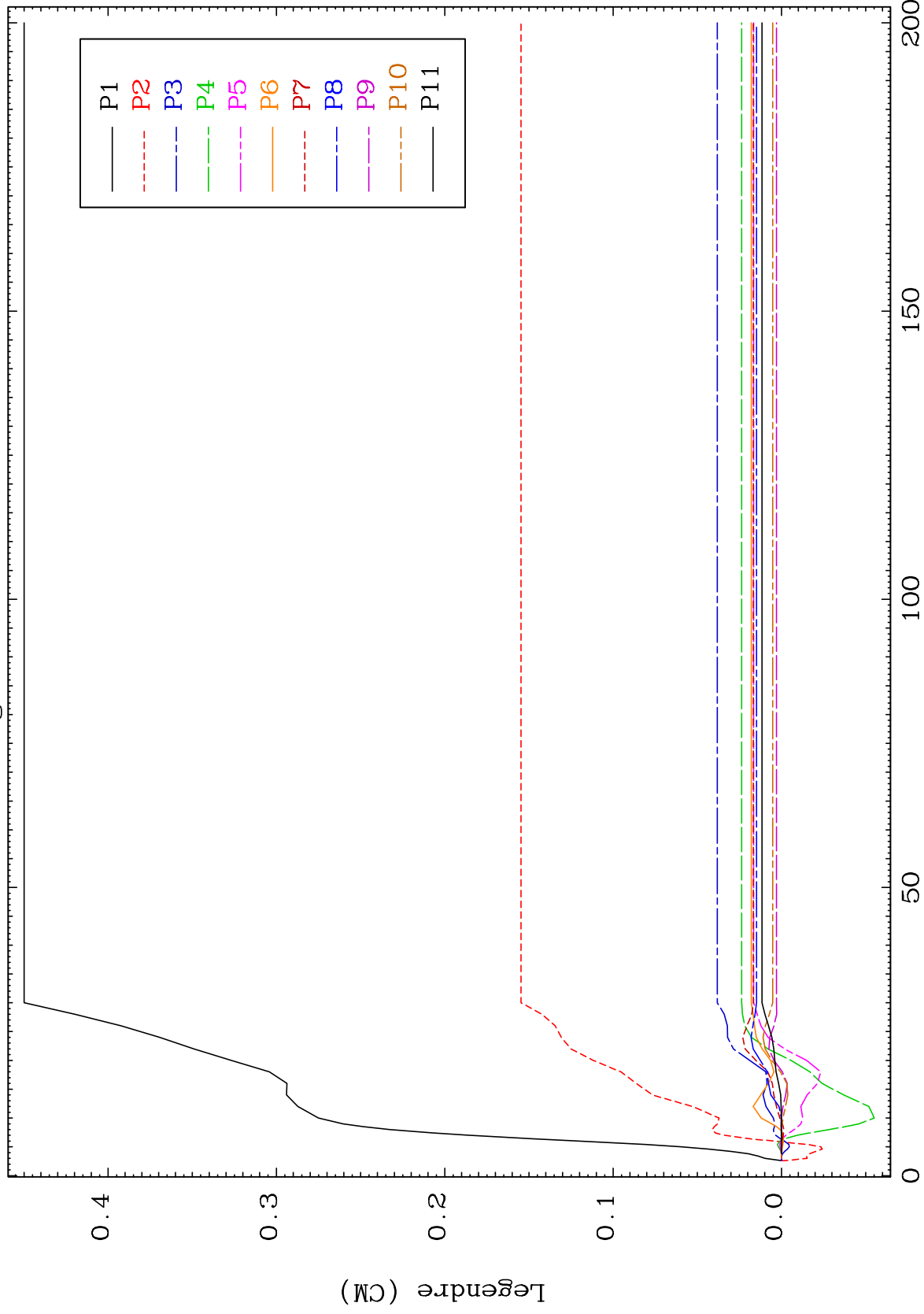
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31-Ga-79

MAT 3155

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

³¹Ga-79



67

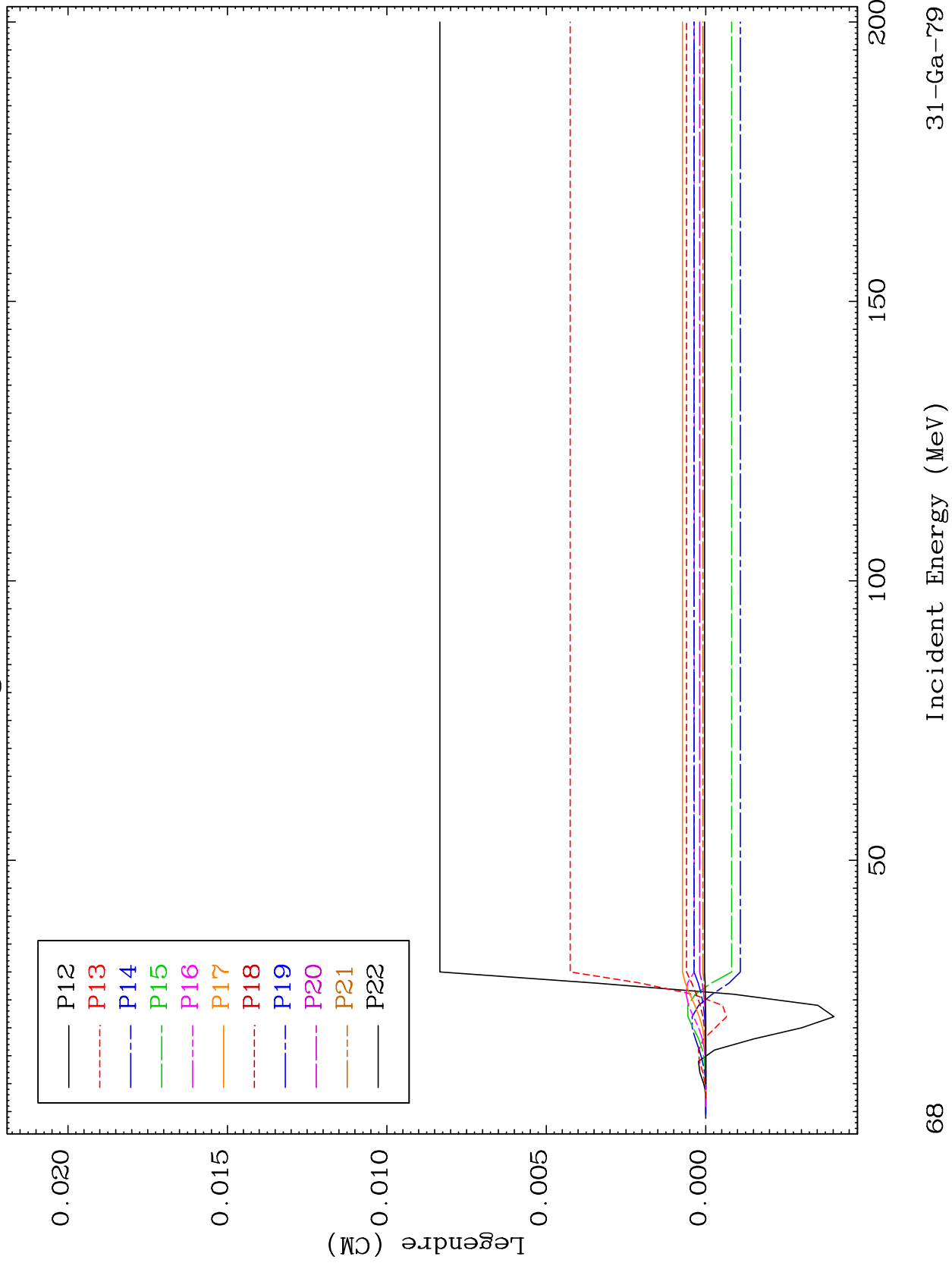
Incident Energy (MeV)

³¹Ga-79

MAT 3155

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

31-Ga-79



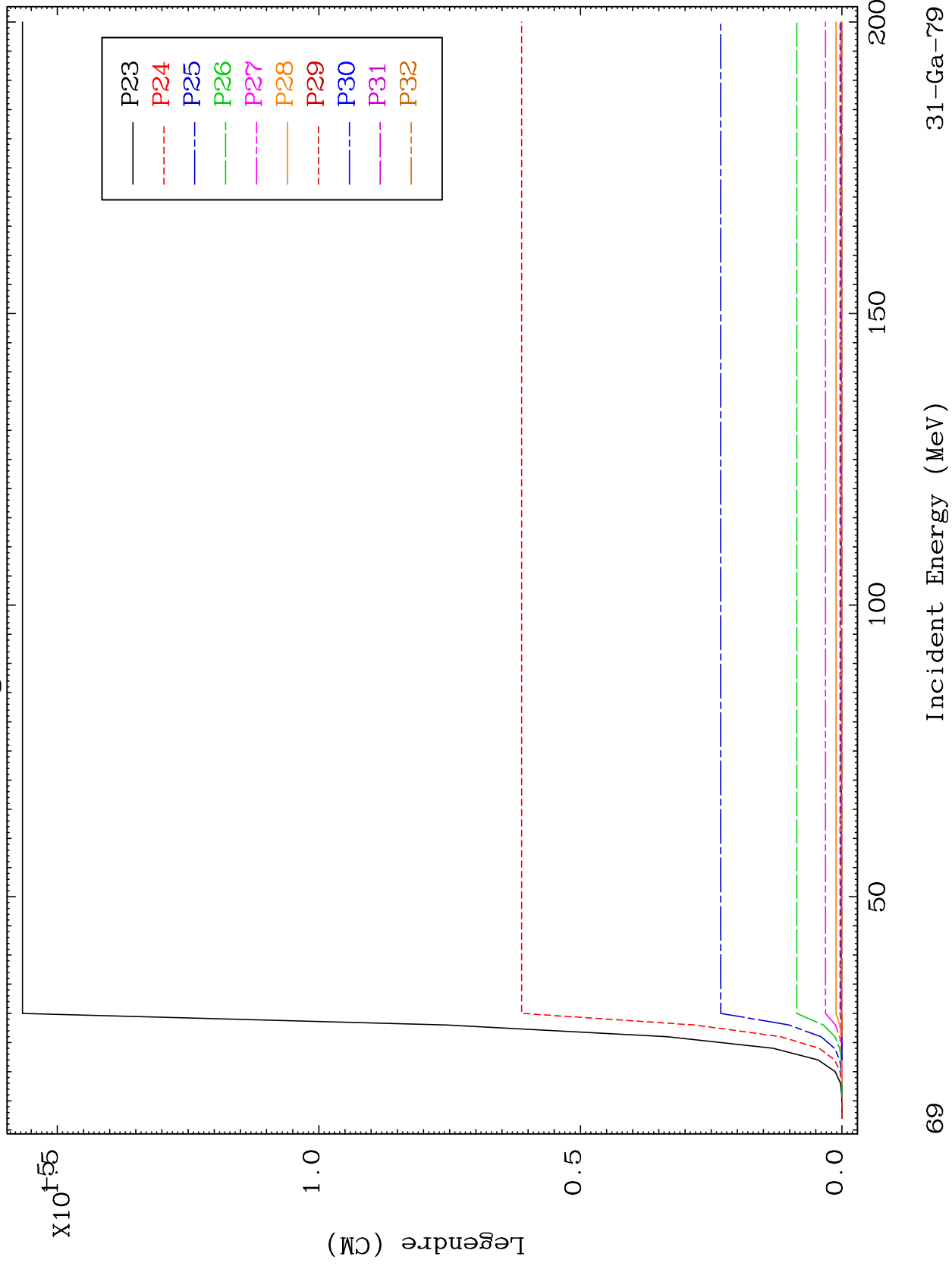
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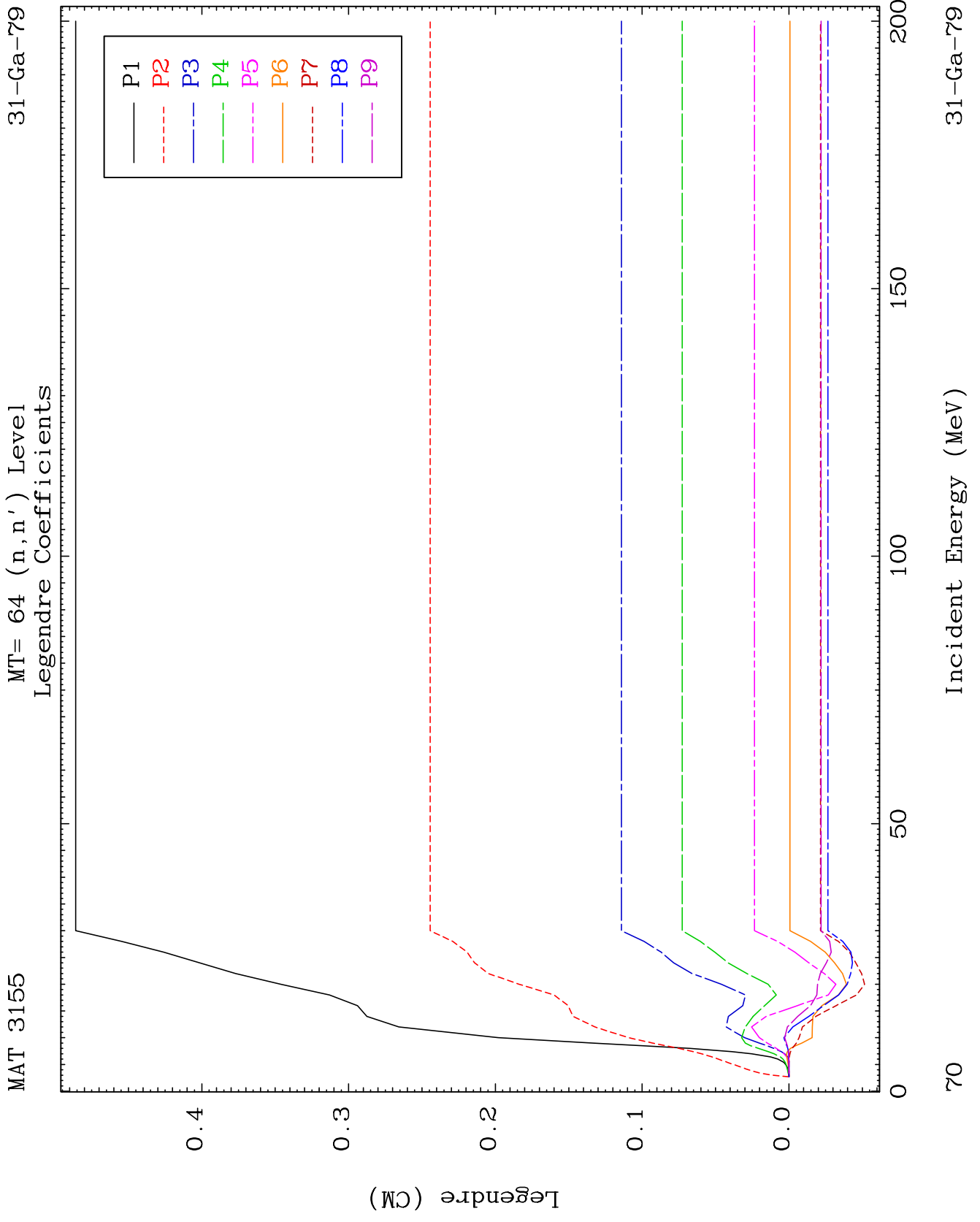
31-Ga-79

MAT 3155

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

31-Ga-79

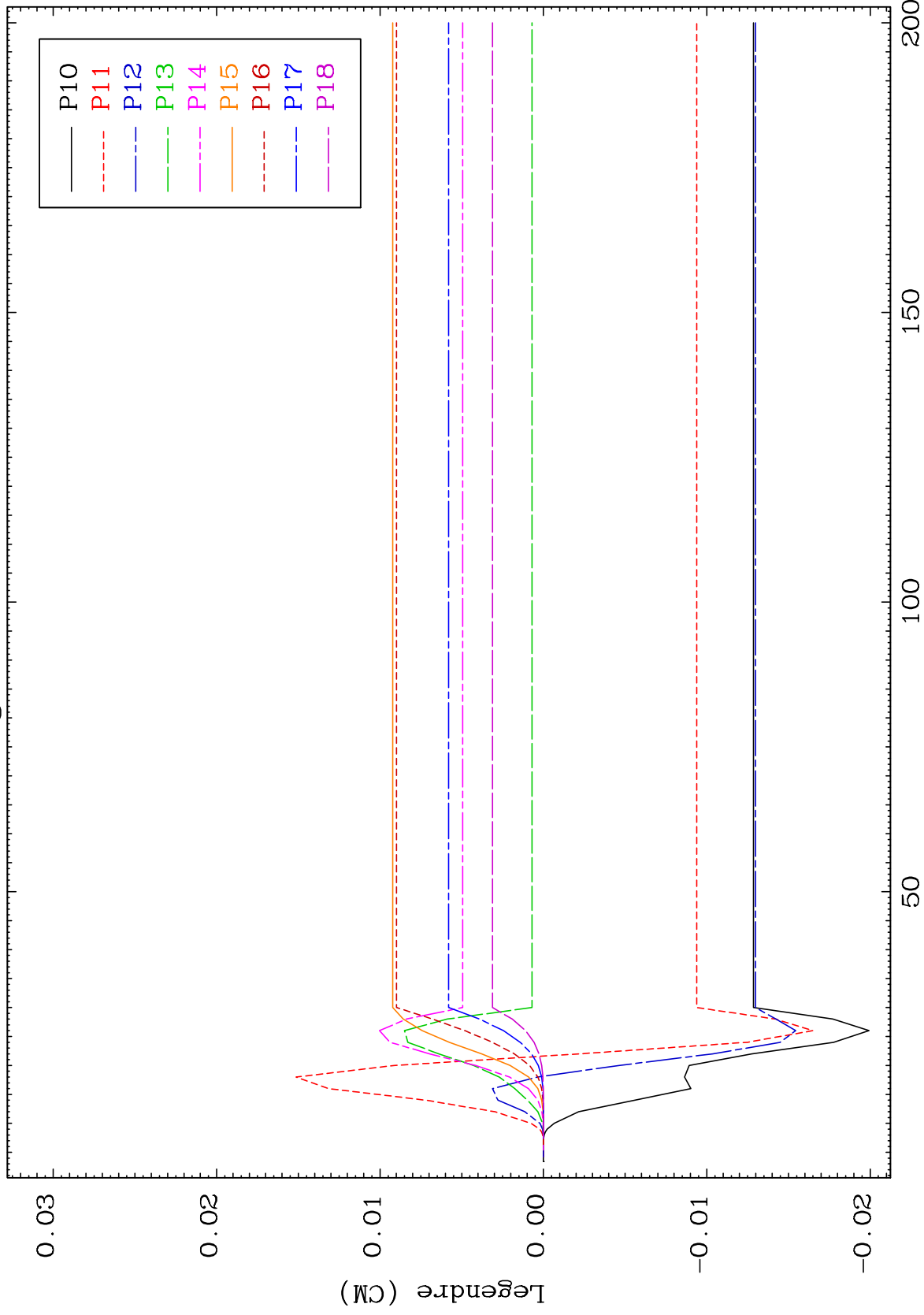




MAT 3155

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

31-Ga-79



71

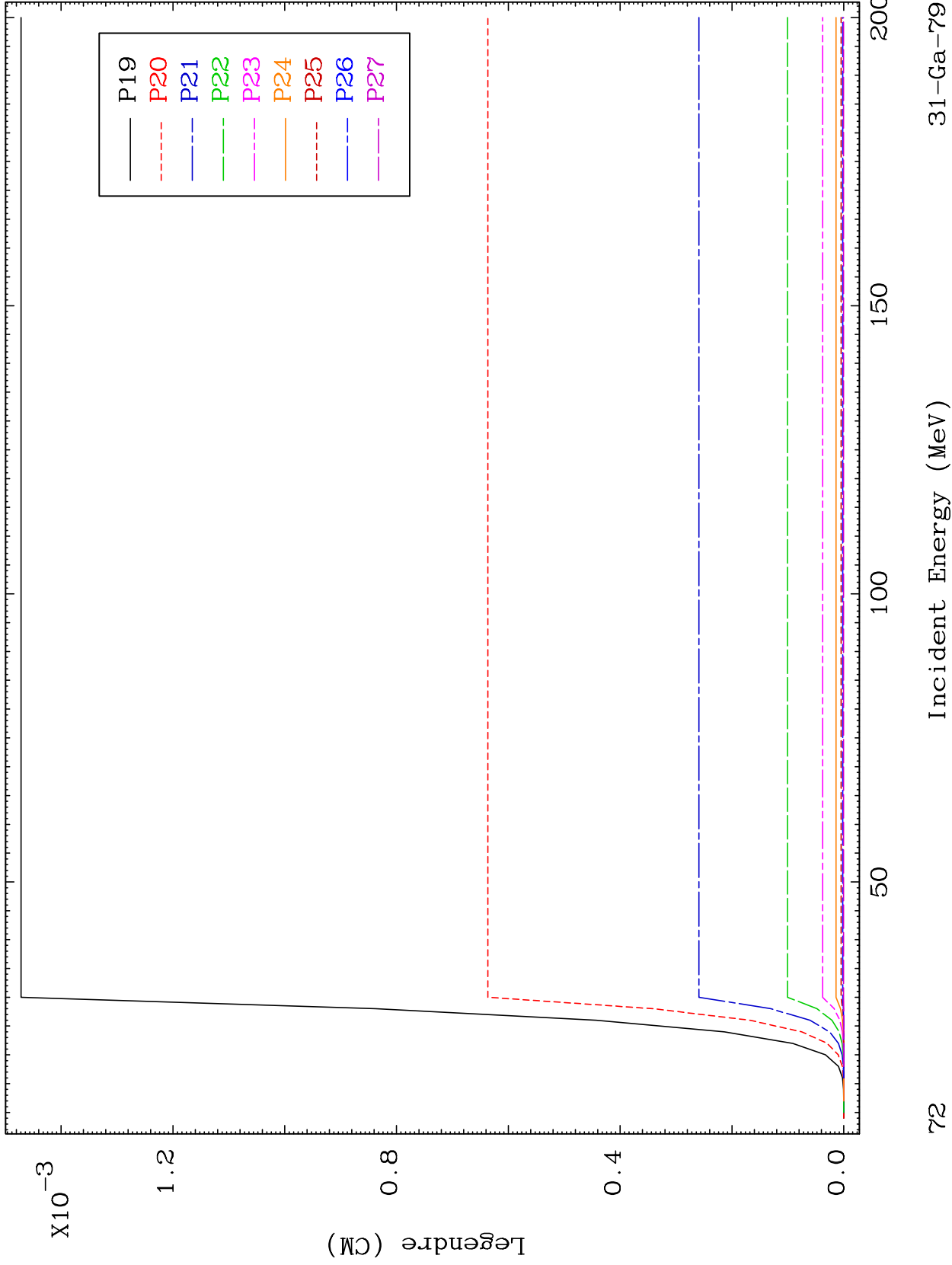
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

³¹Ga-79



72

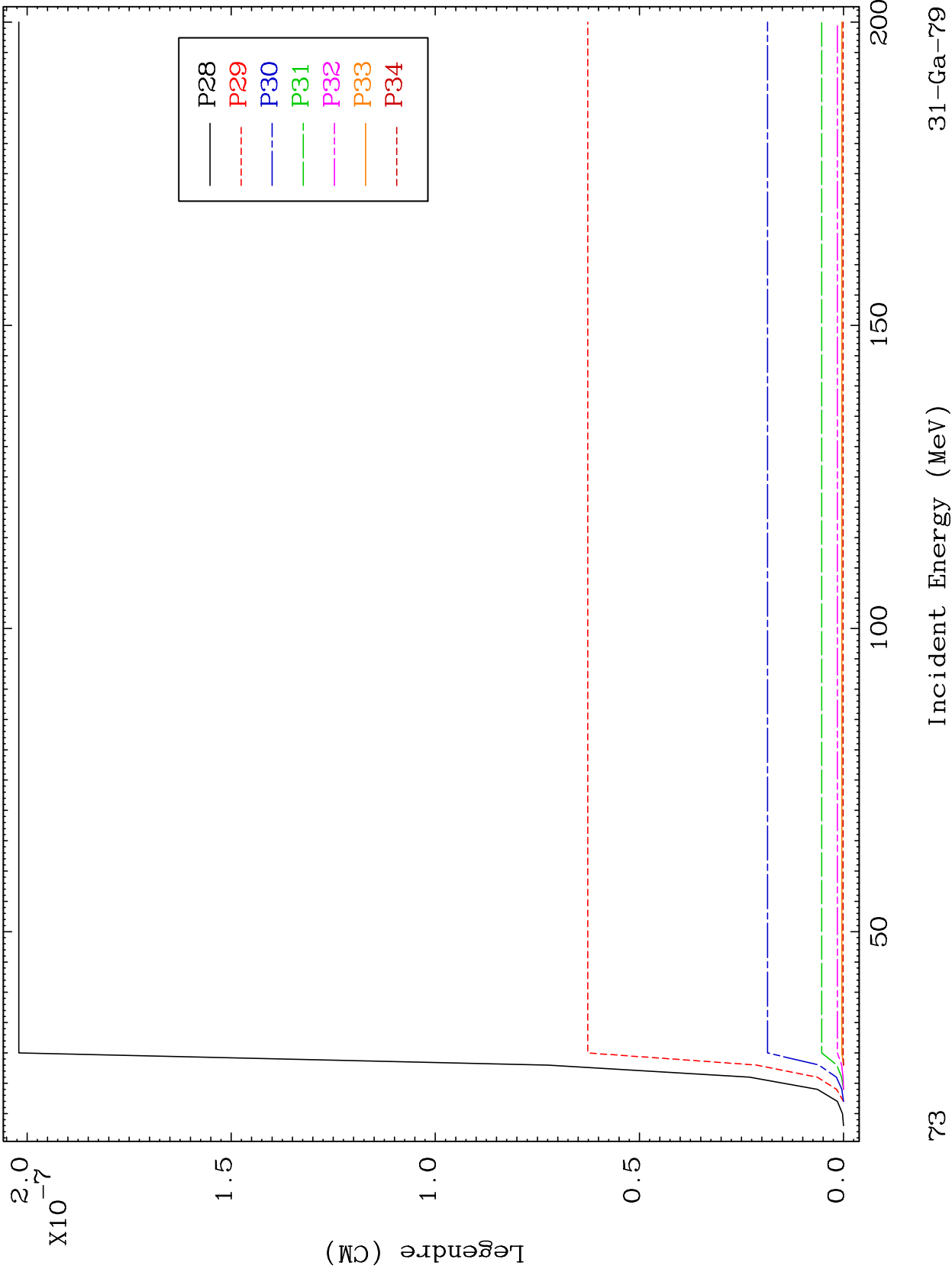
Incident Energy (MeV)

³¹Ga-79

MAT 3155

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

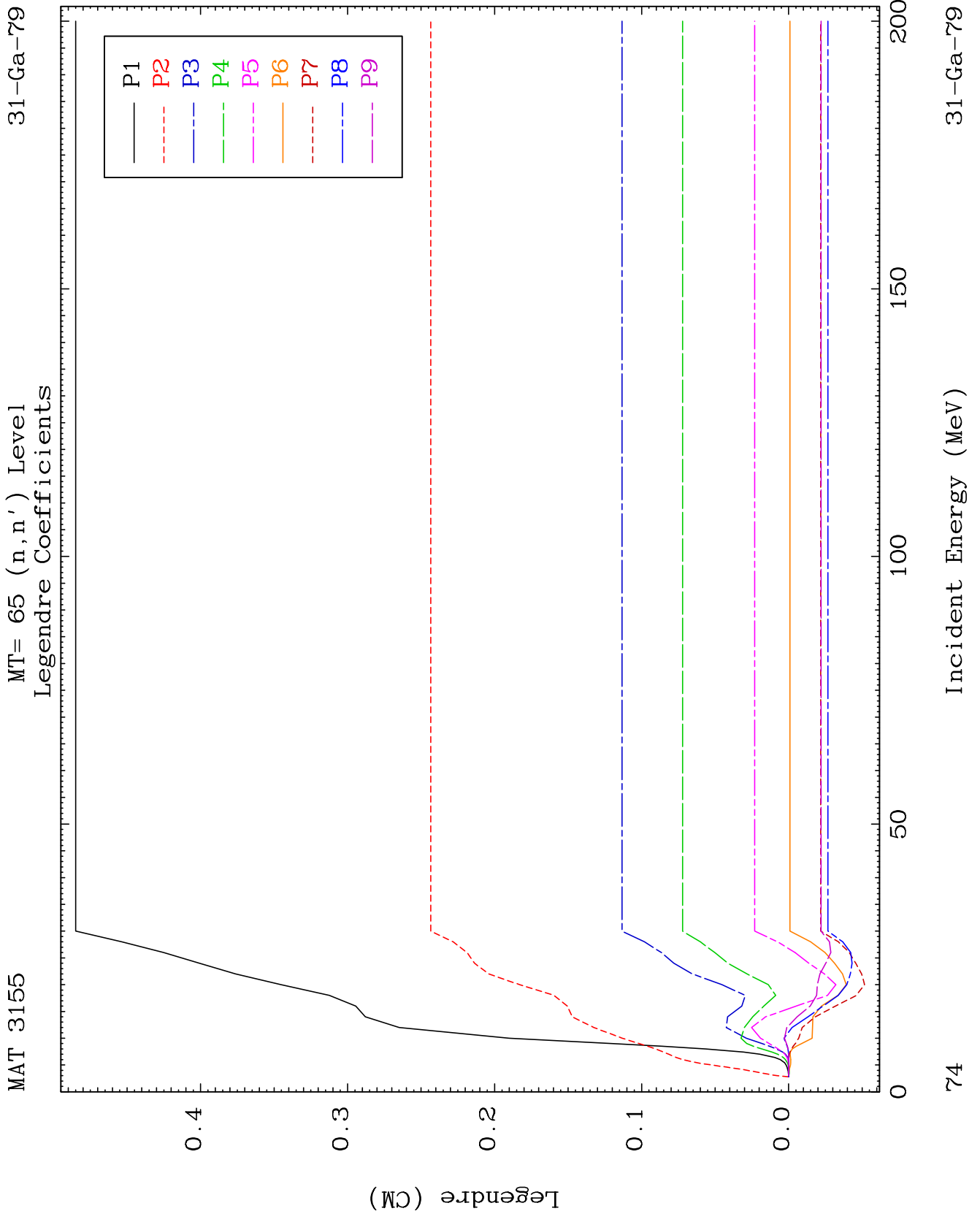
31-Ga-79

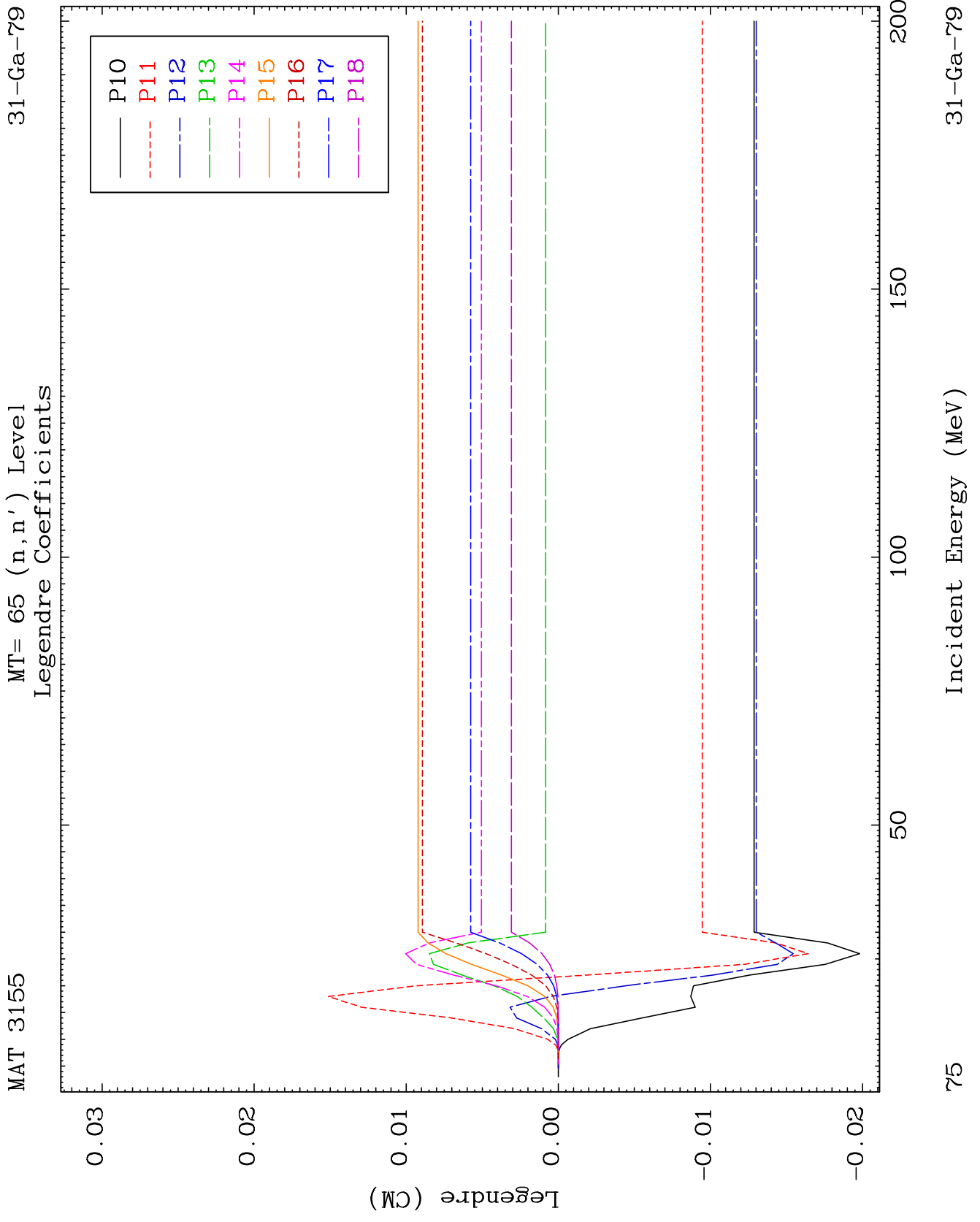


73

Incident Energy (MeV)

31-Ga-79

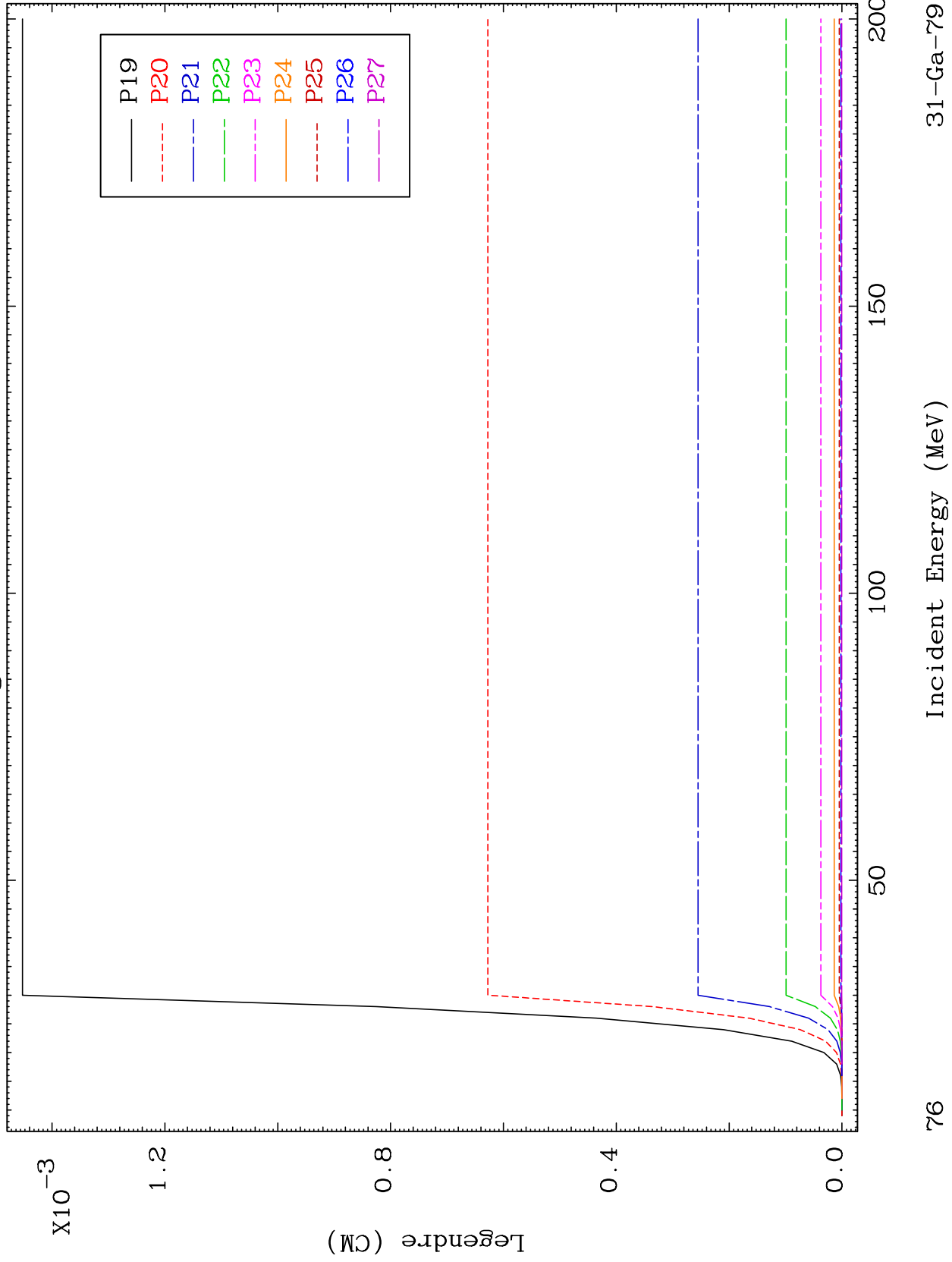




MAT 3155

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

³¹Ga-79



76

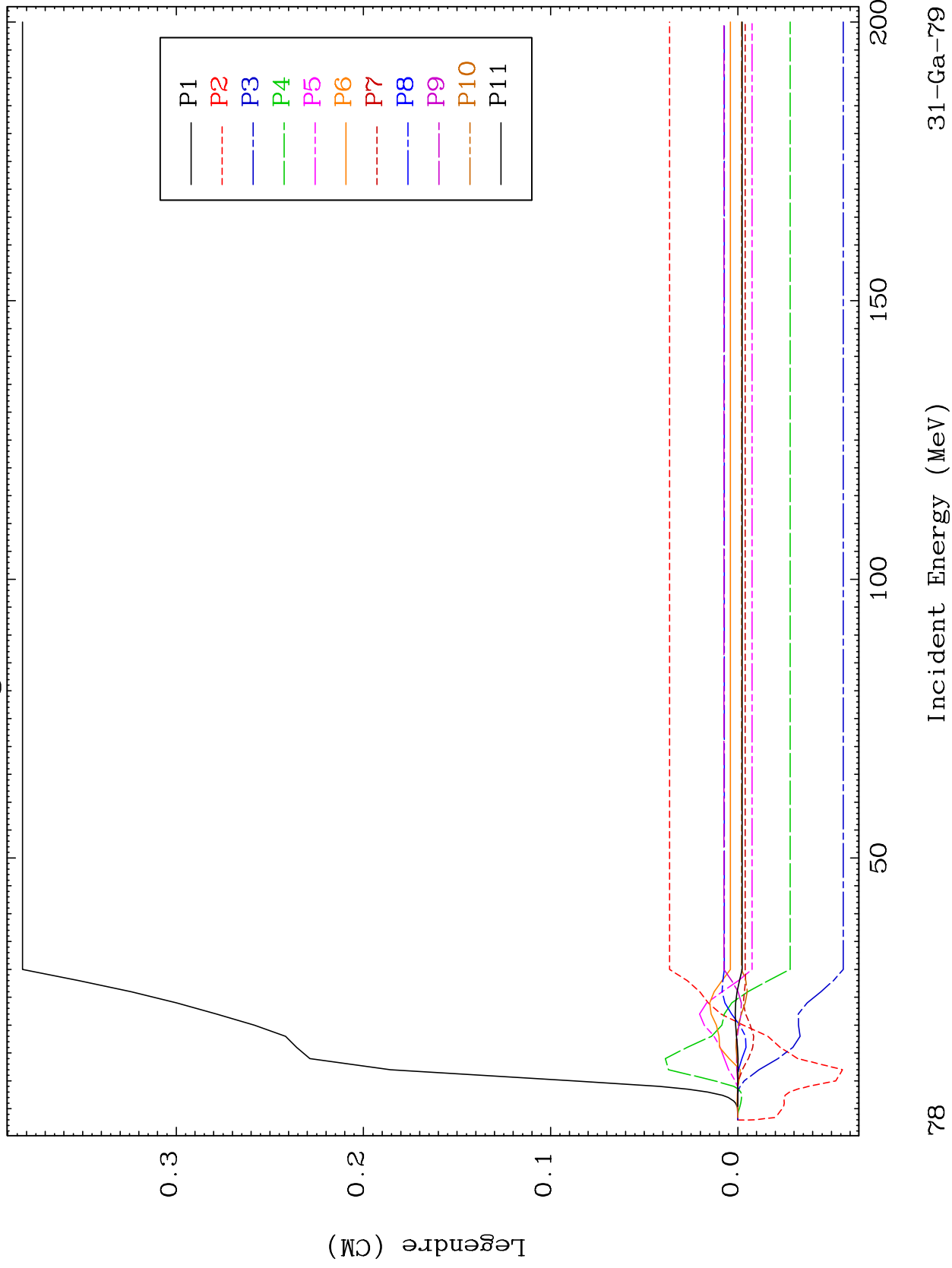
Incident Energy (MeV)

³¹Ga-79

MAT 3155

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

³¹Ga-79



78

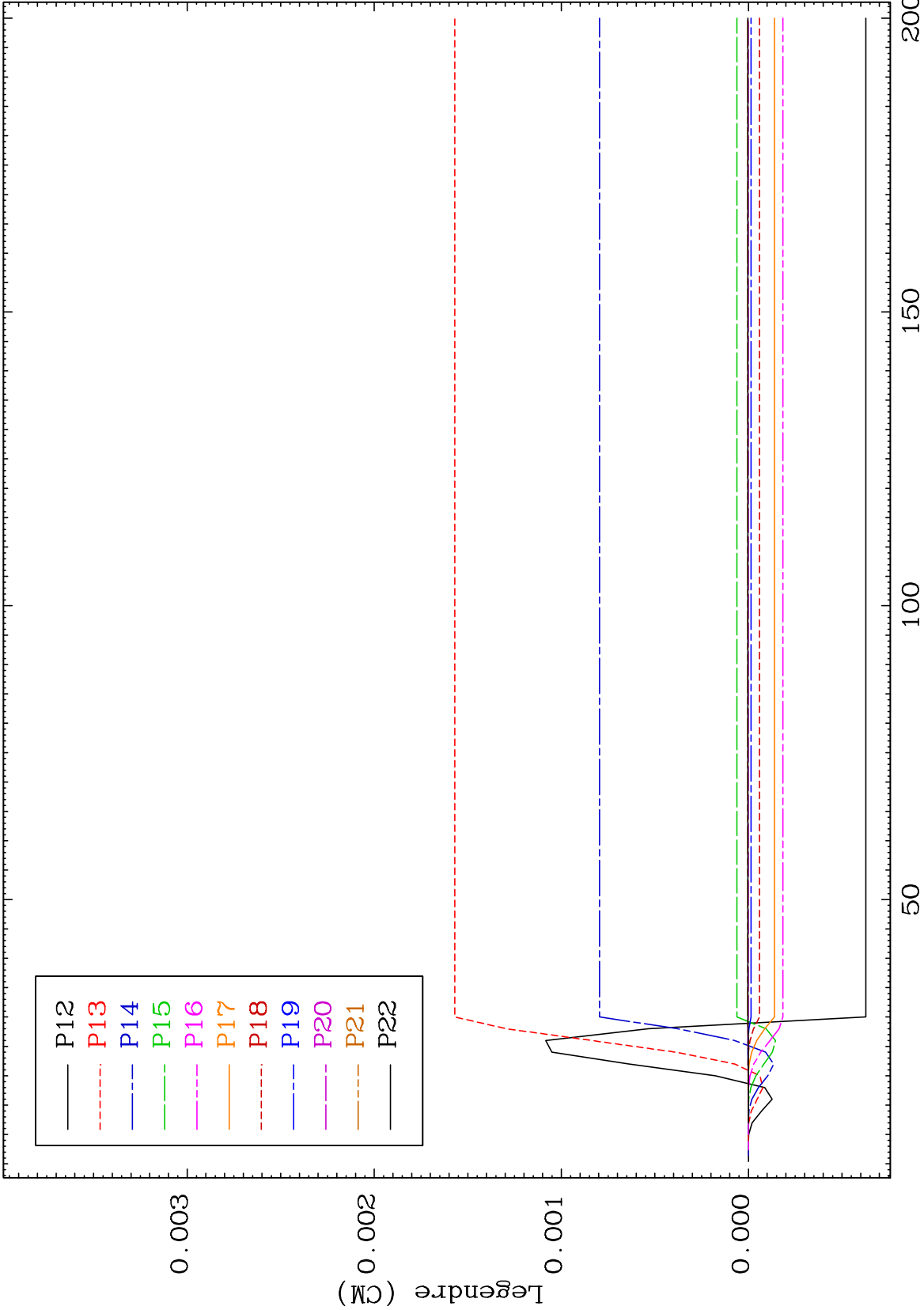
Incident Energy (MeV)

³¹Ga-79

MAT 3155

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

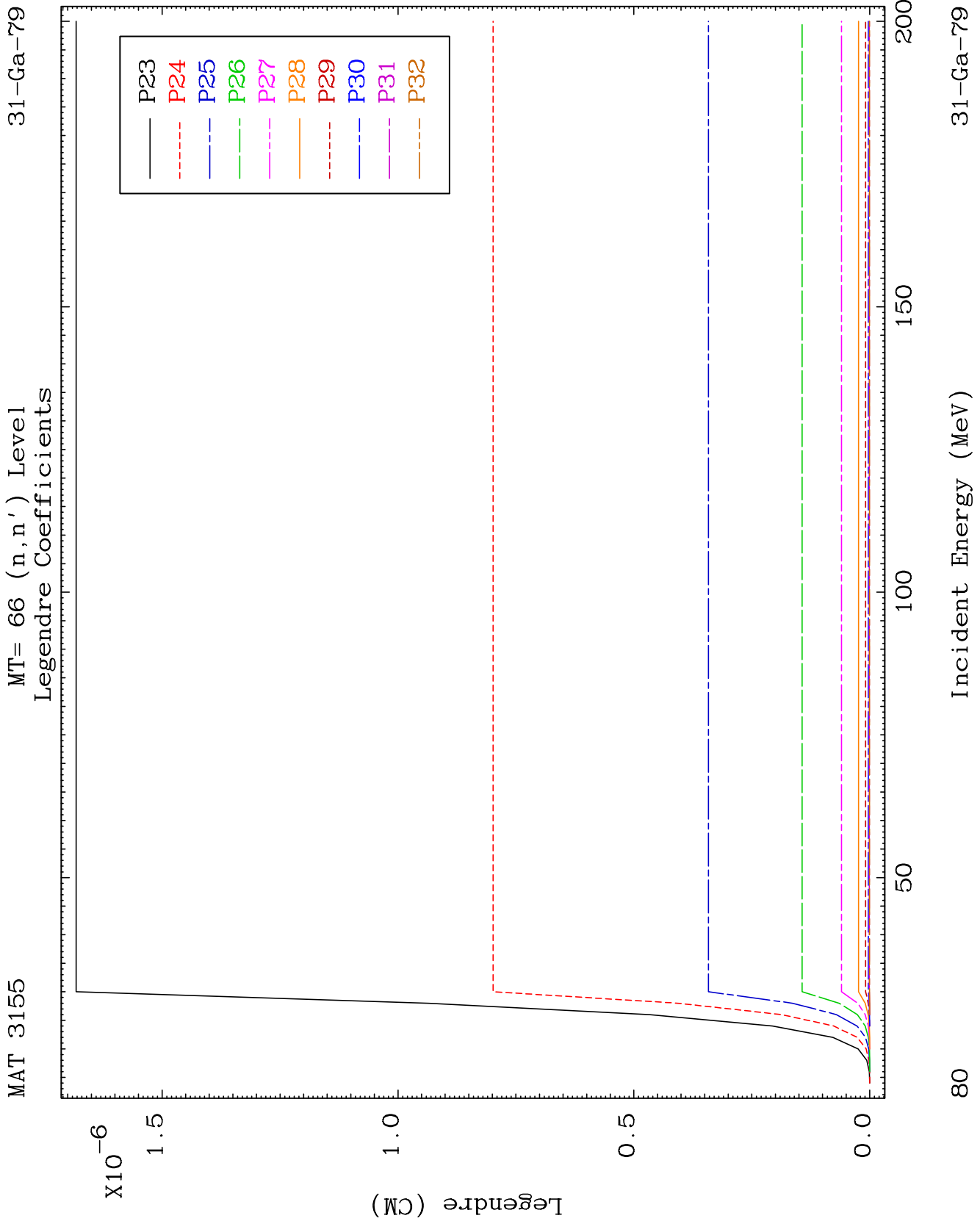
31-Ga-79

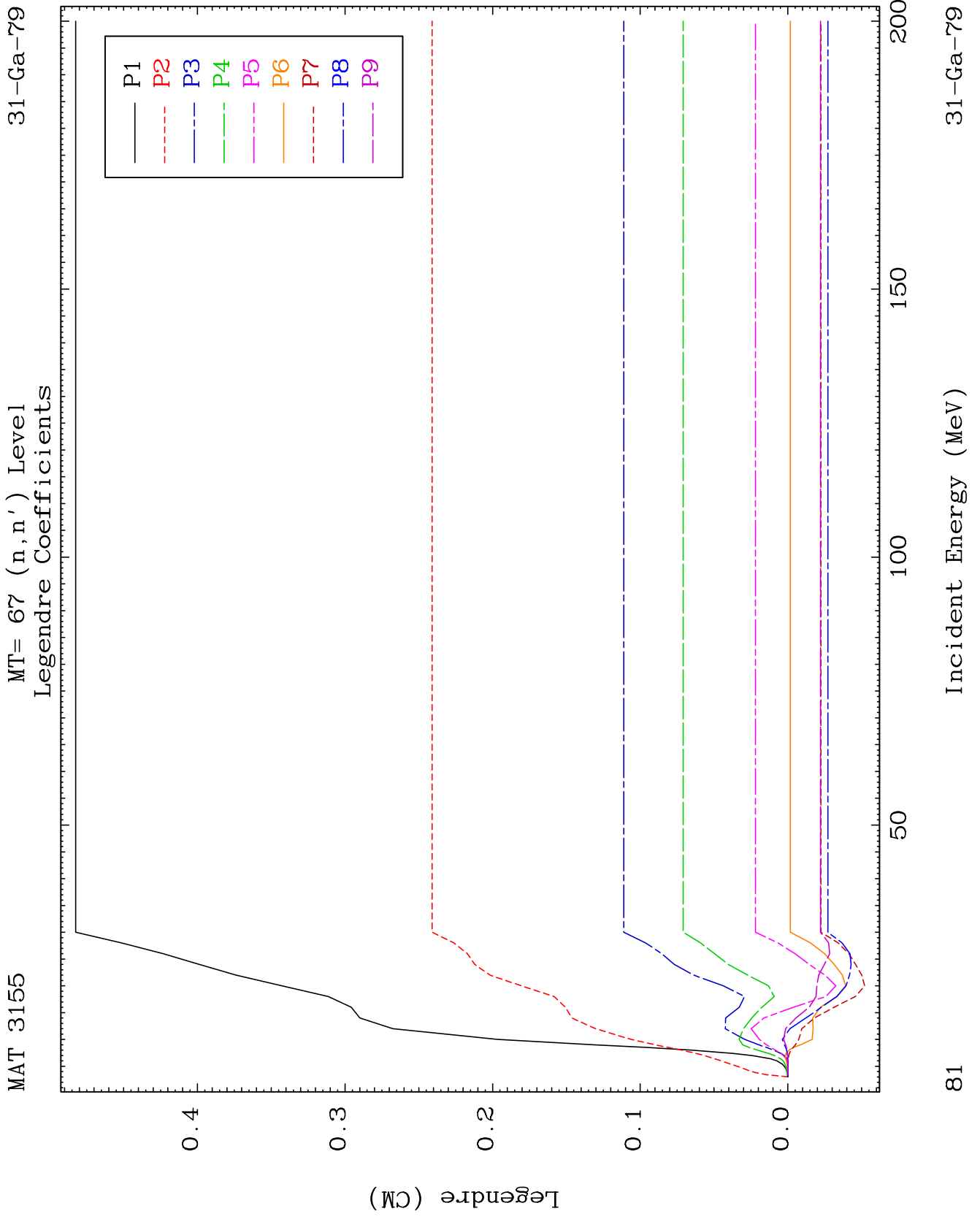


79

Incident Energy (MeV)

31-Ga-79

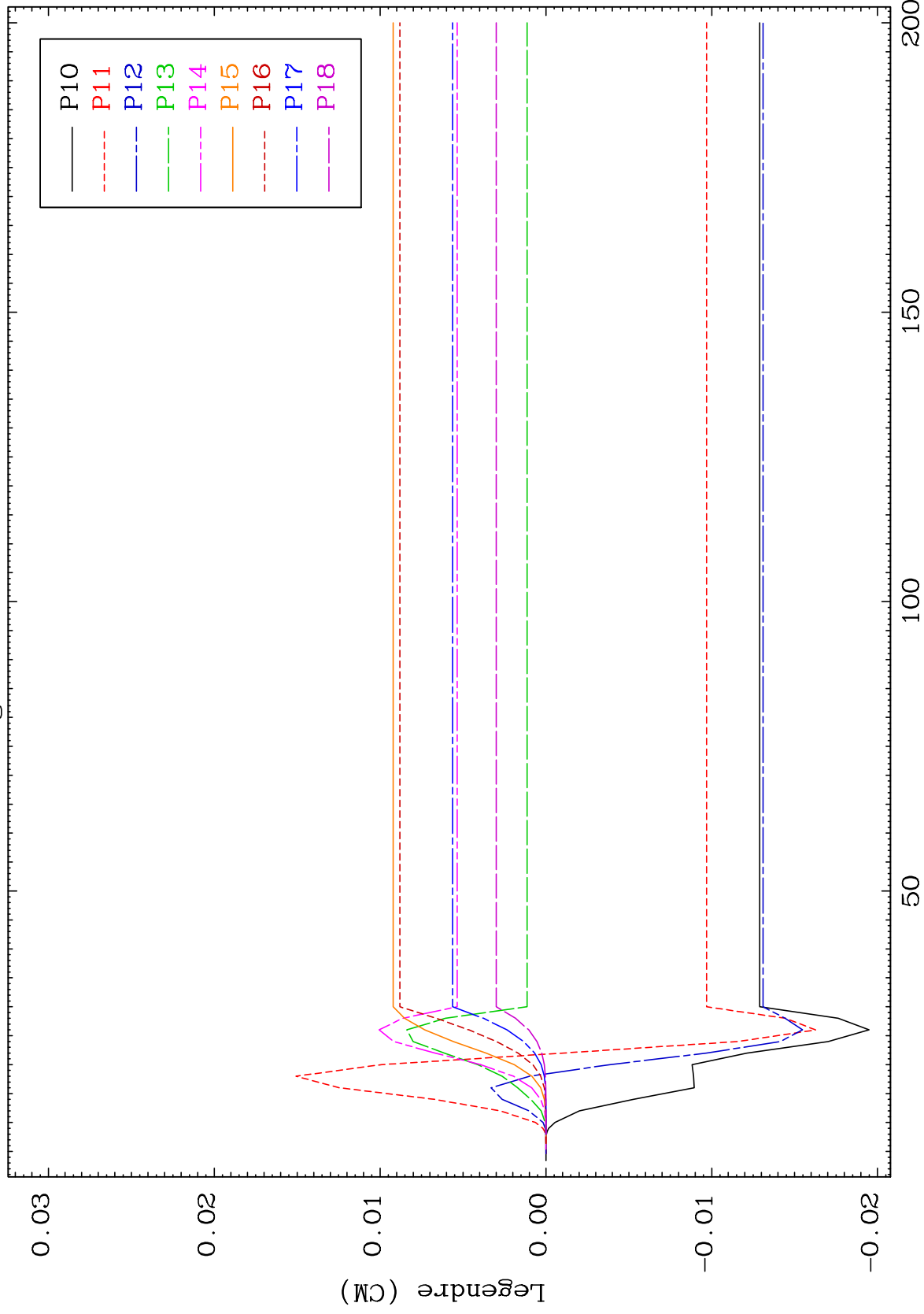




MAT 3155

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

³¹Ga-79



82

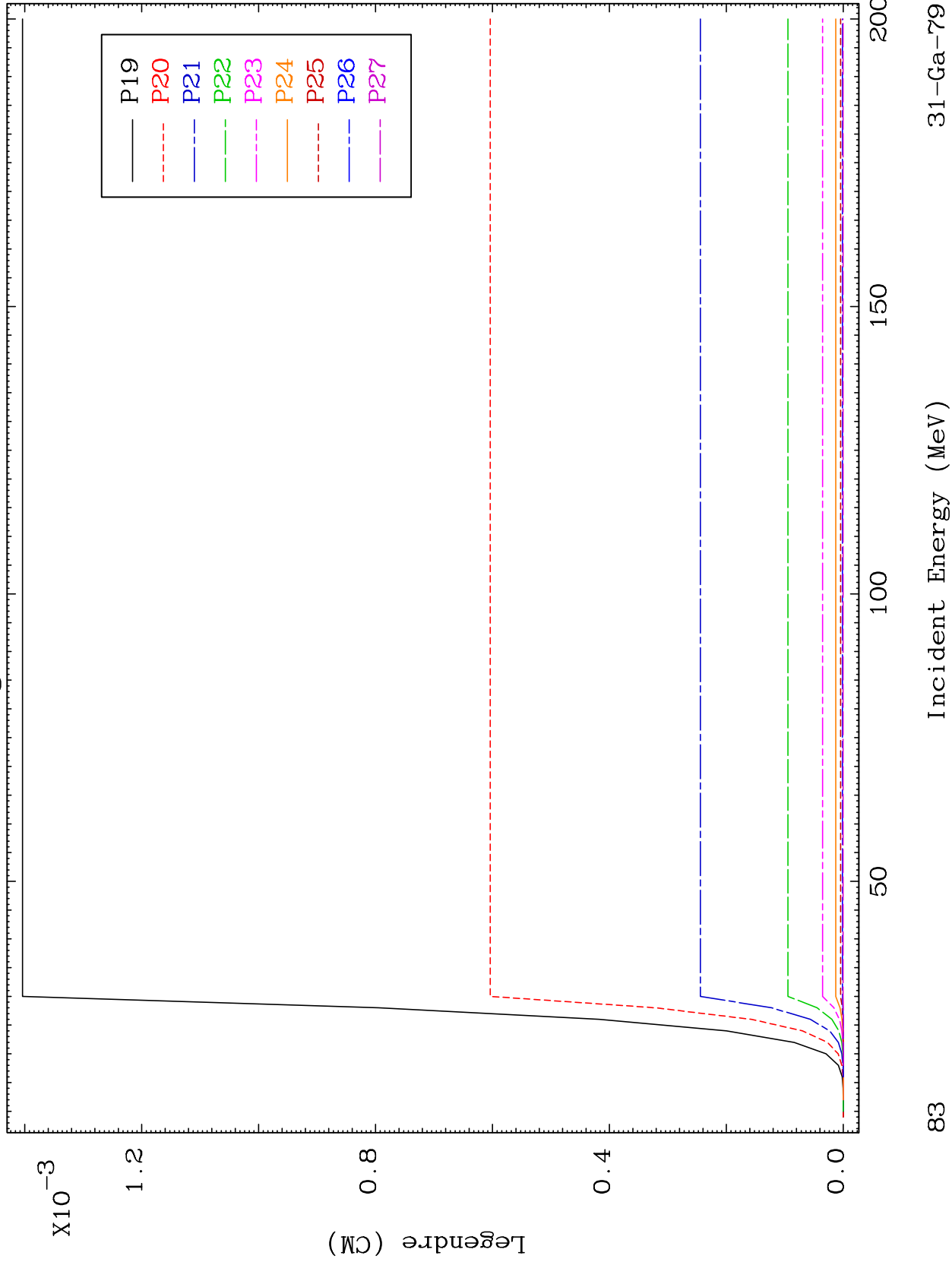
Incident Energy (MeV)

³¹Ga-79

MAT 3155

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

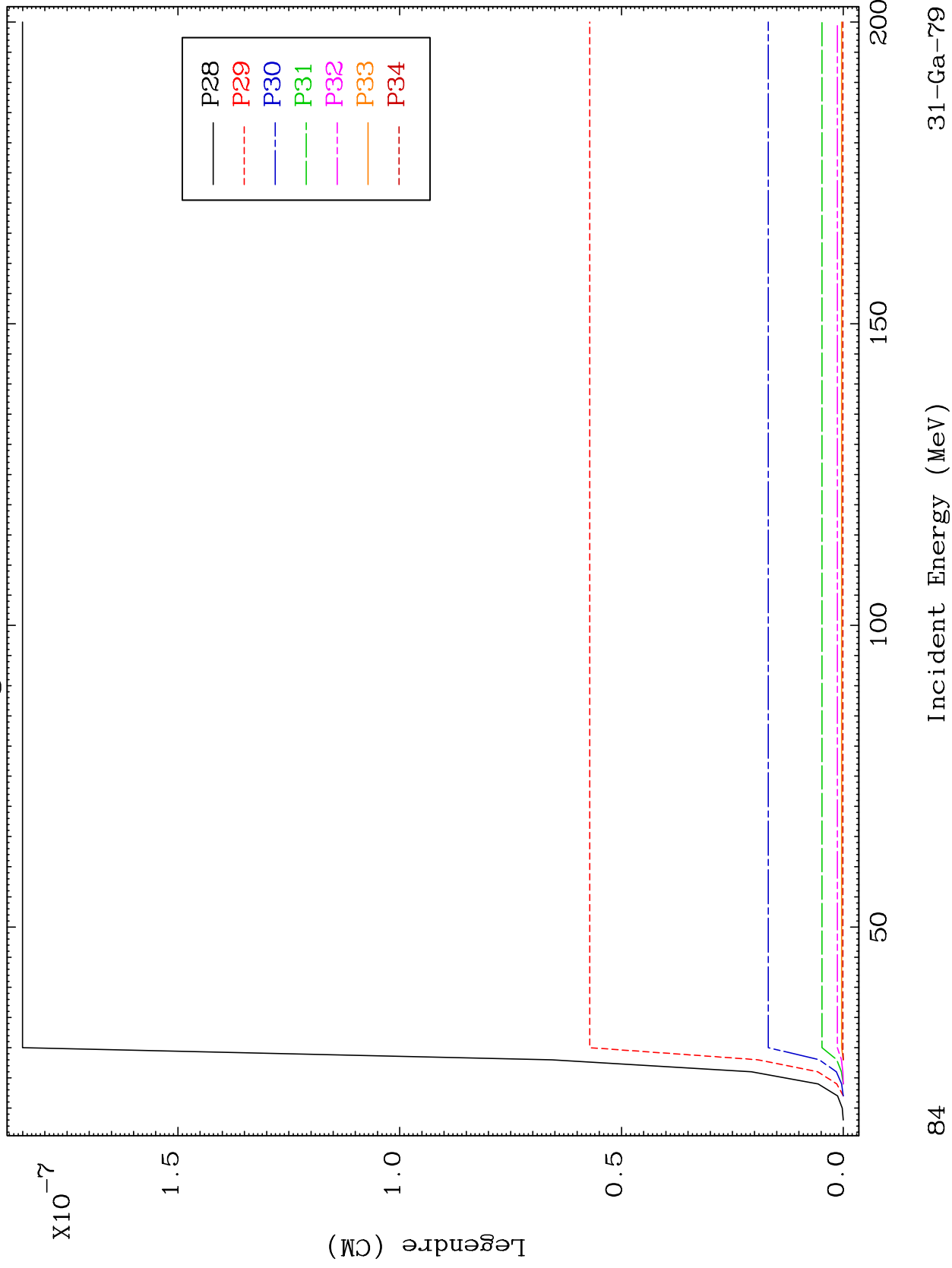
31-Ga-79



MAT 3155

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

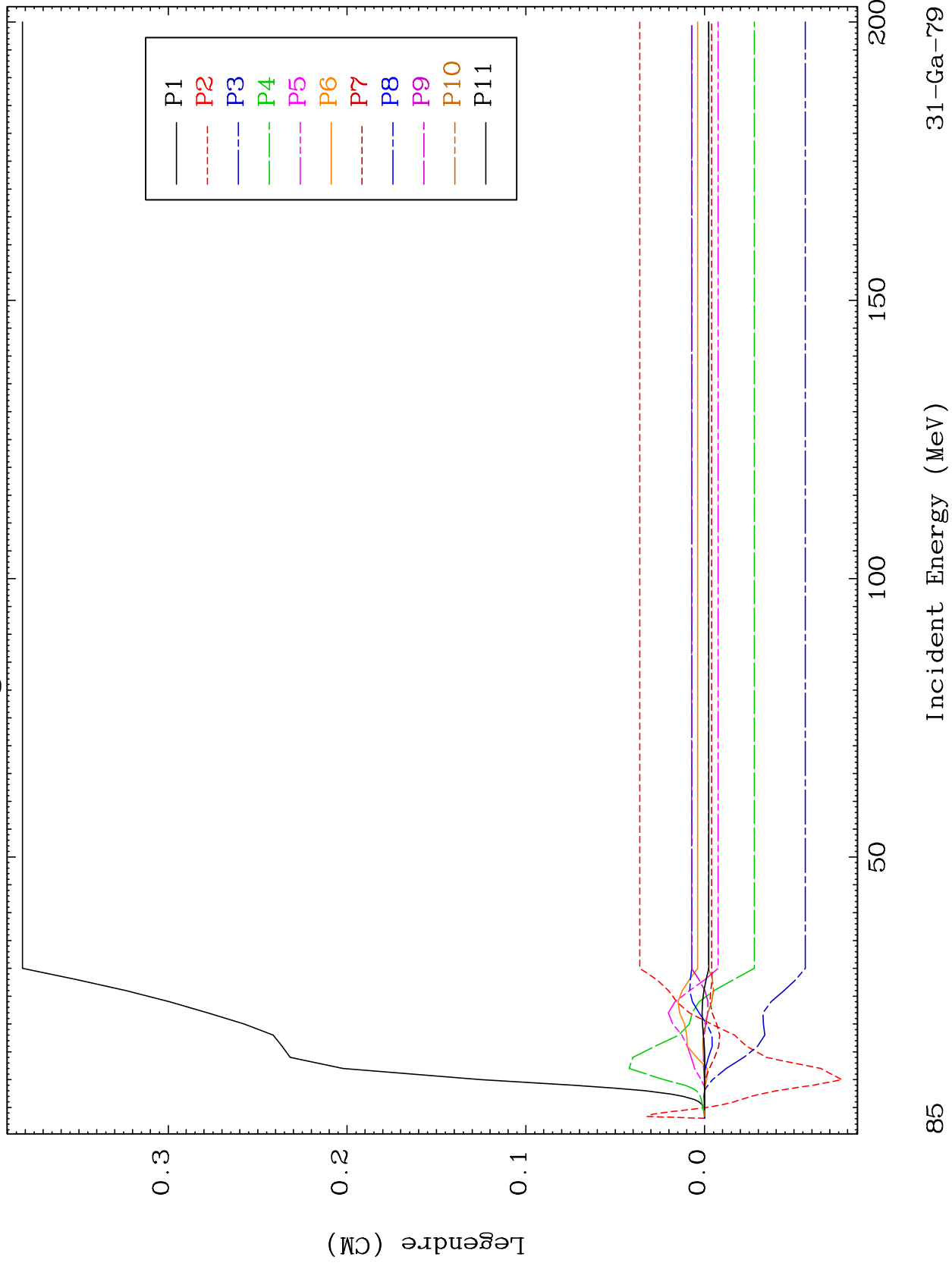
31-Ga-79



MAT 3155

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

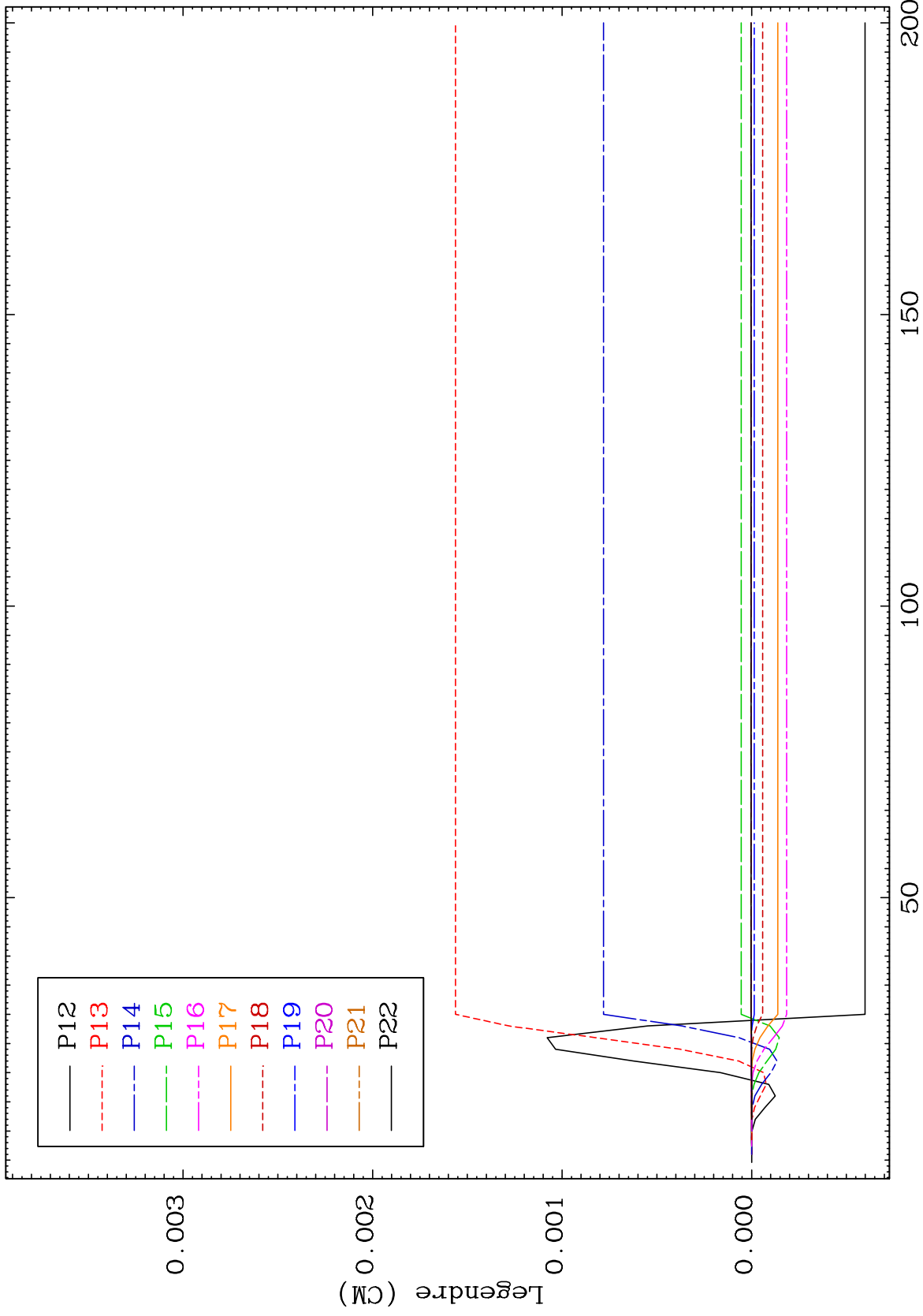
³¹Ga-79



³¹Ga-79

Incident Energy (MeV)

85



MAT 3155

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

31-Ga-79

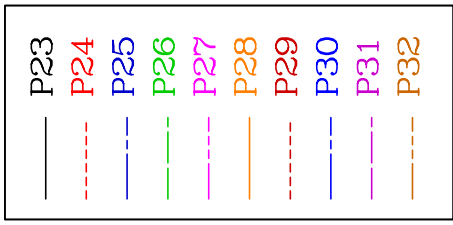
$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0



200

150

100

50

87

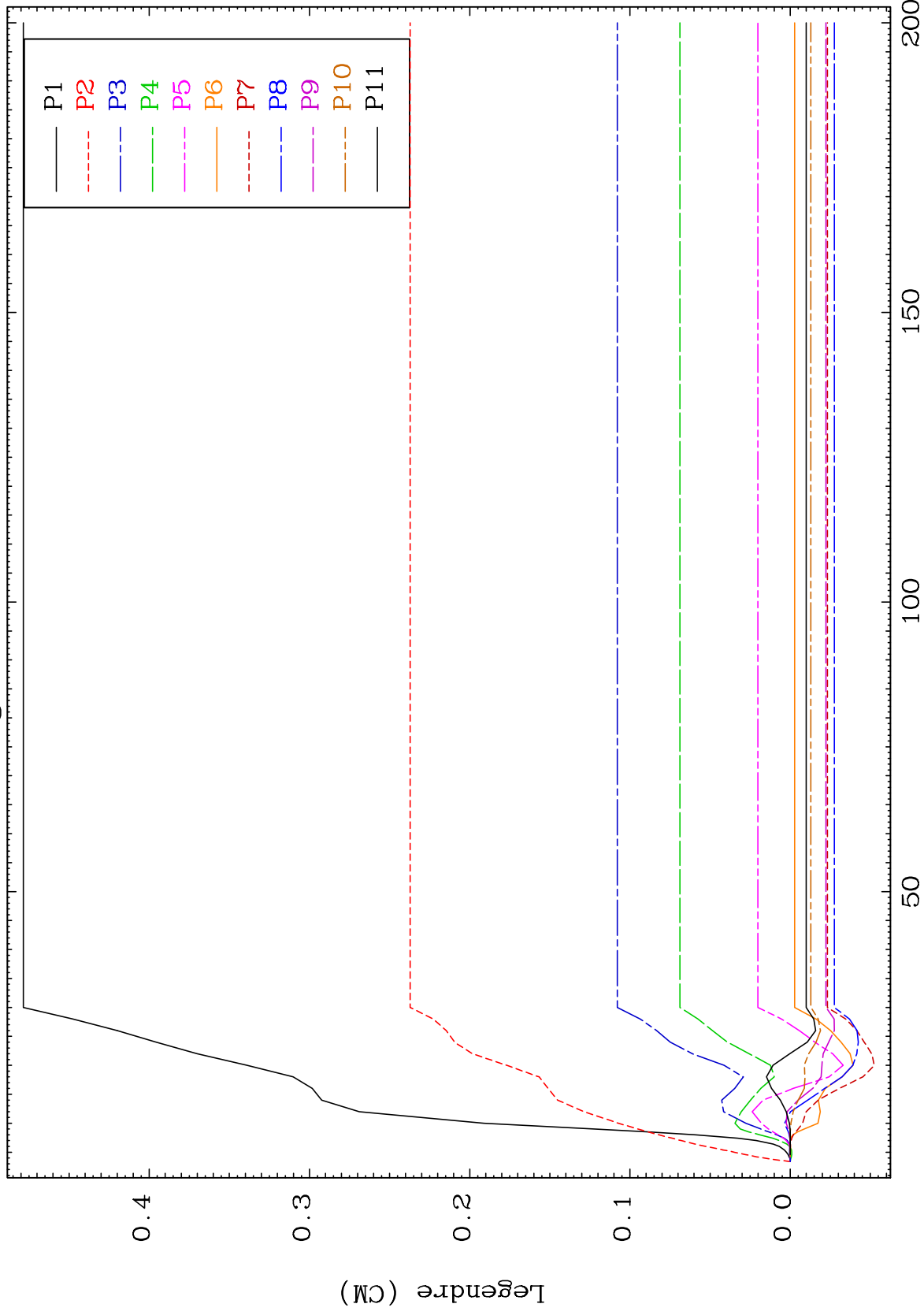
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



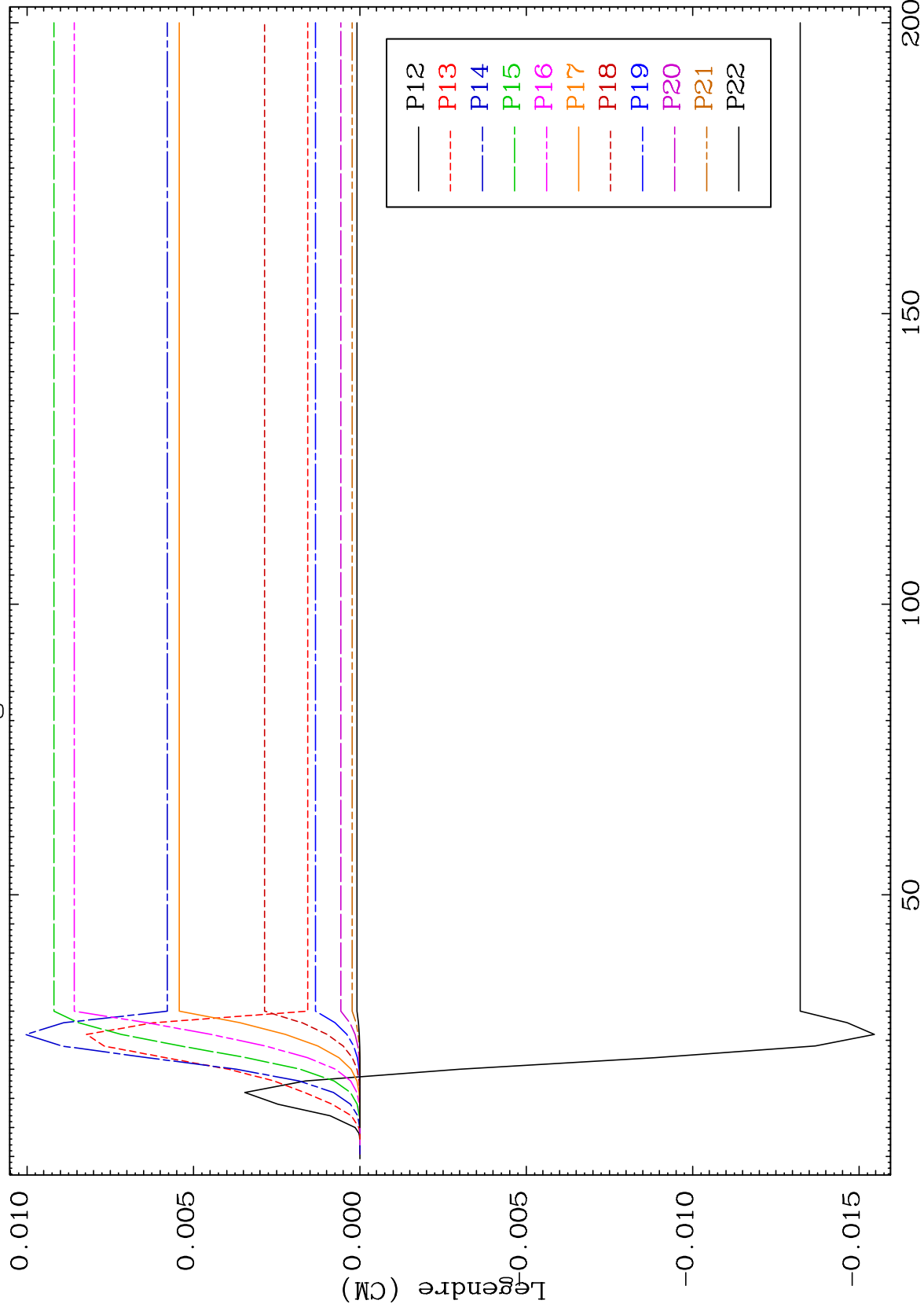
88

31-Ga-79

MAT 3155

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

31-Ga-79



89

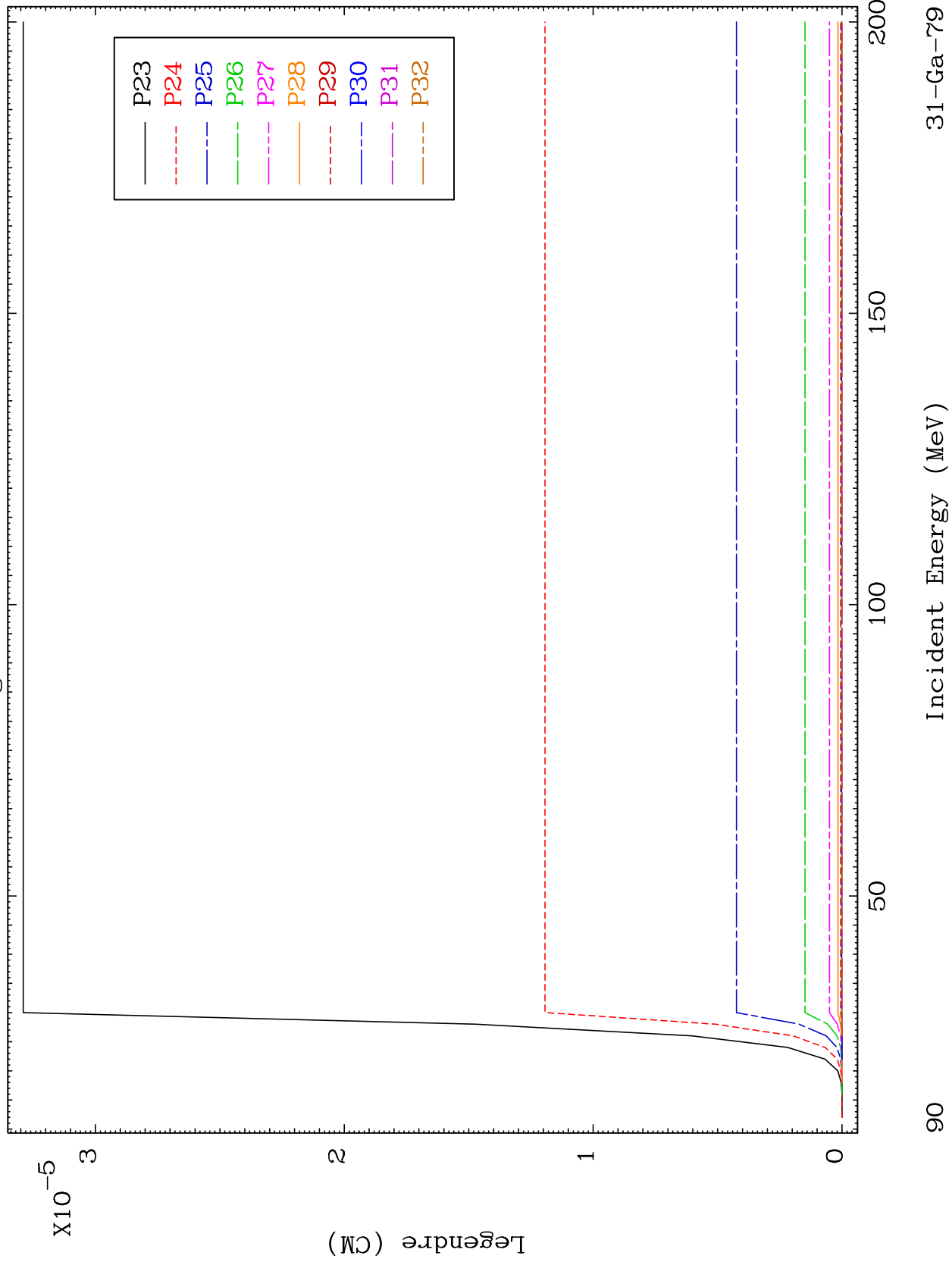
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

³¹Ga-79



90

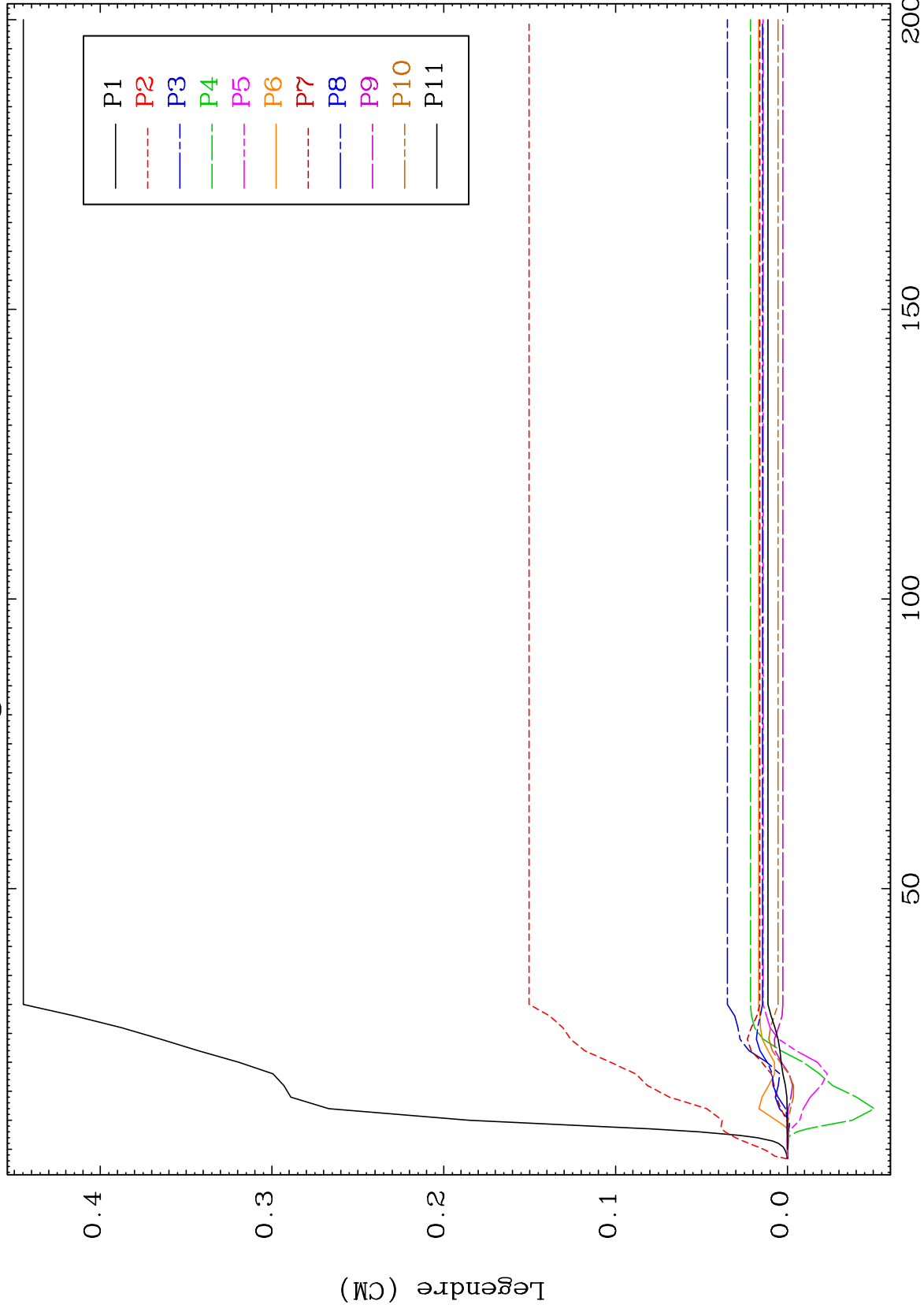
Incident Energy (MeV)

³¹Ga-79

MAT 3155

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

31-Ga-79



91

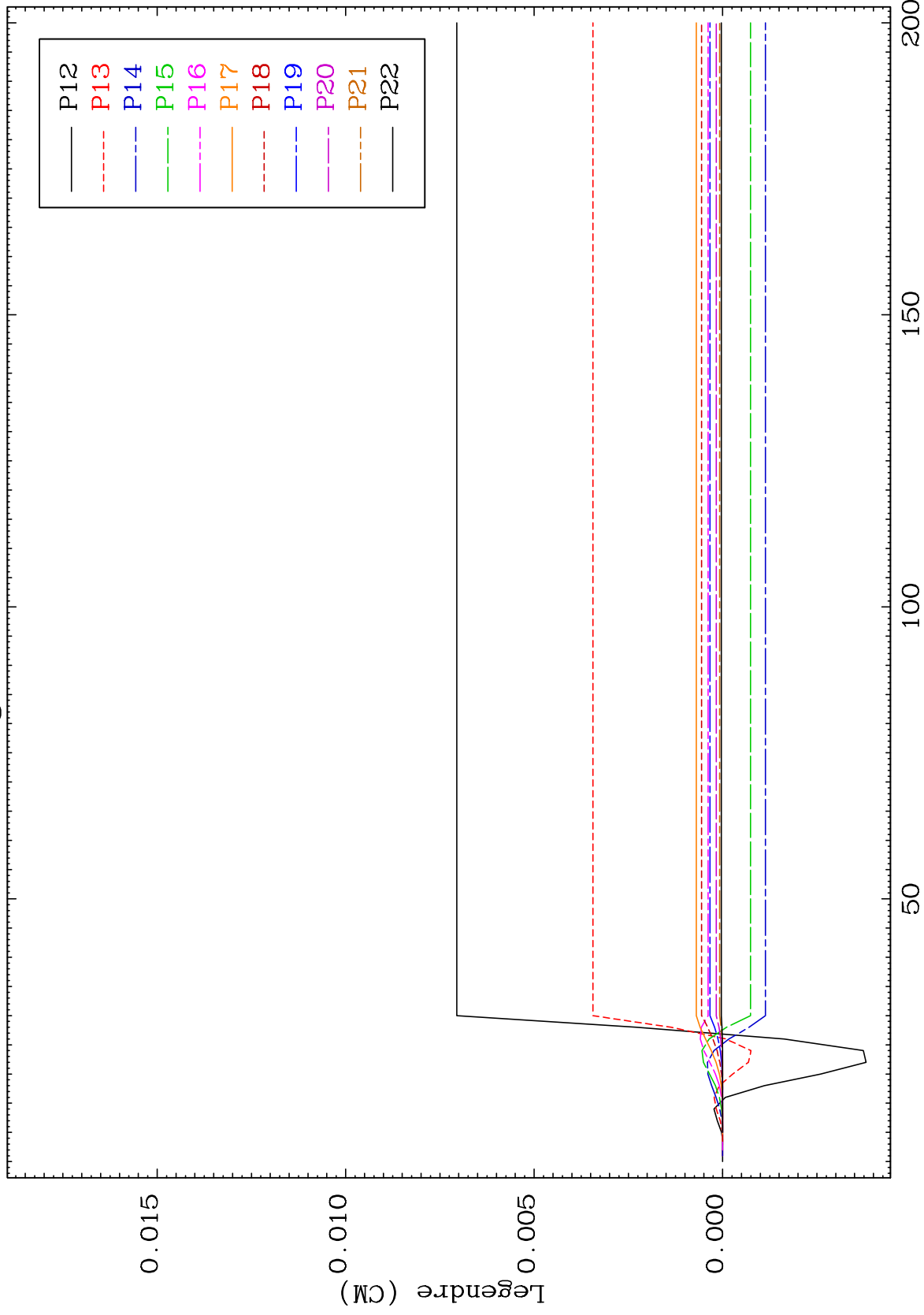
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79



92

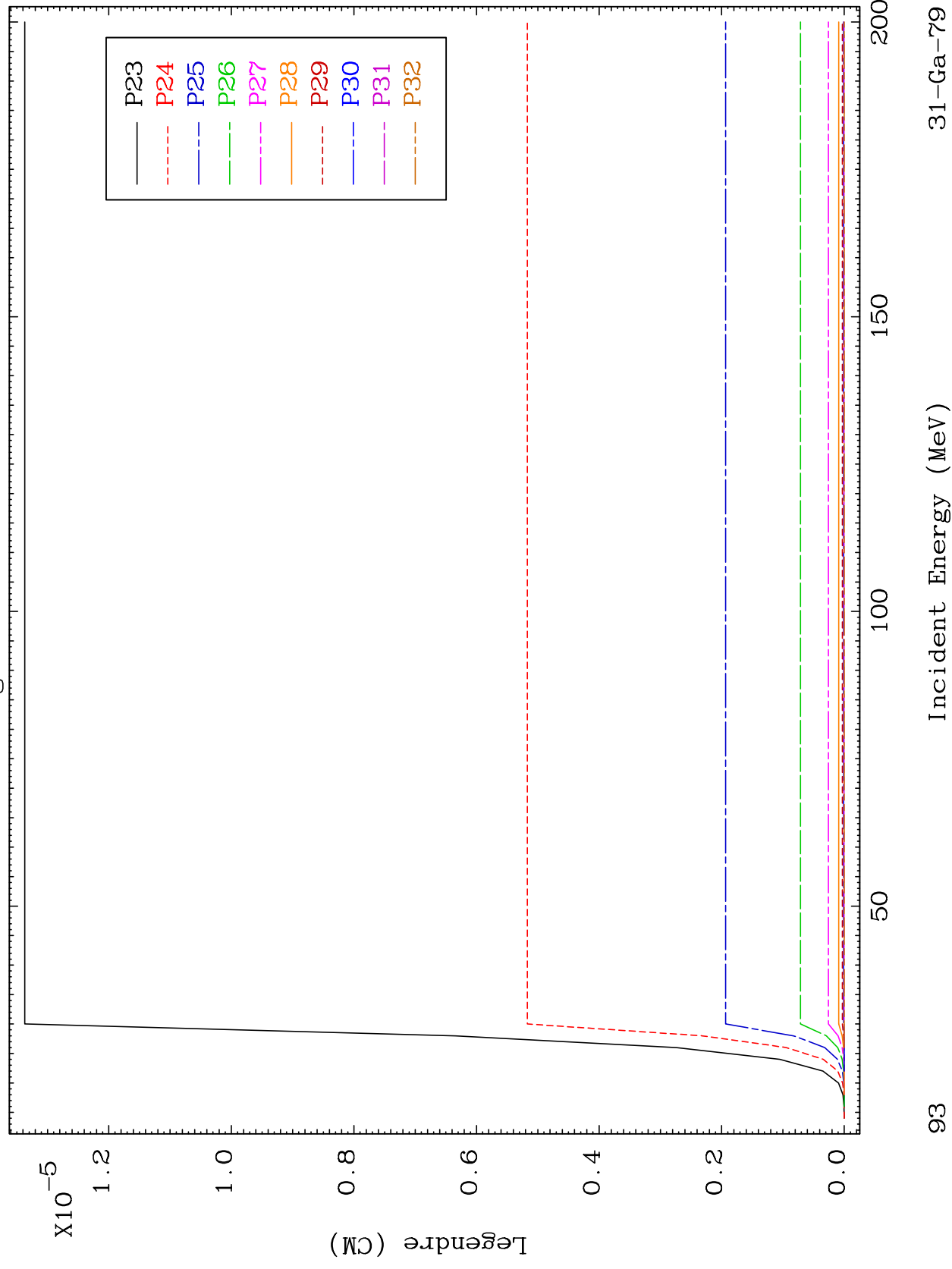
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

31-Ga-79

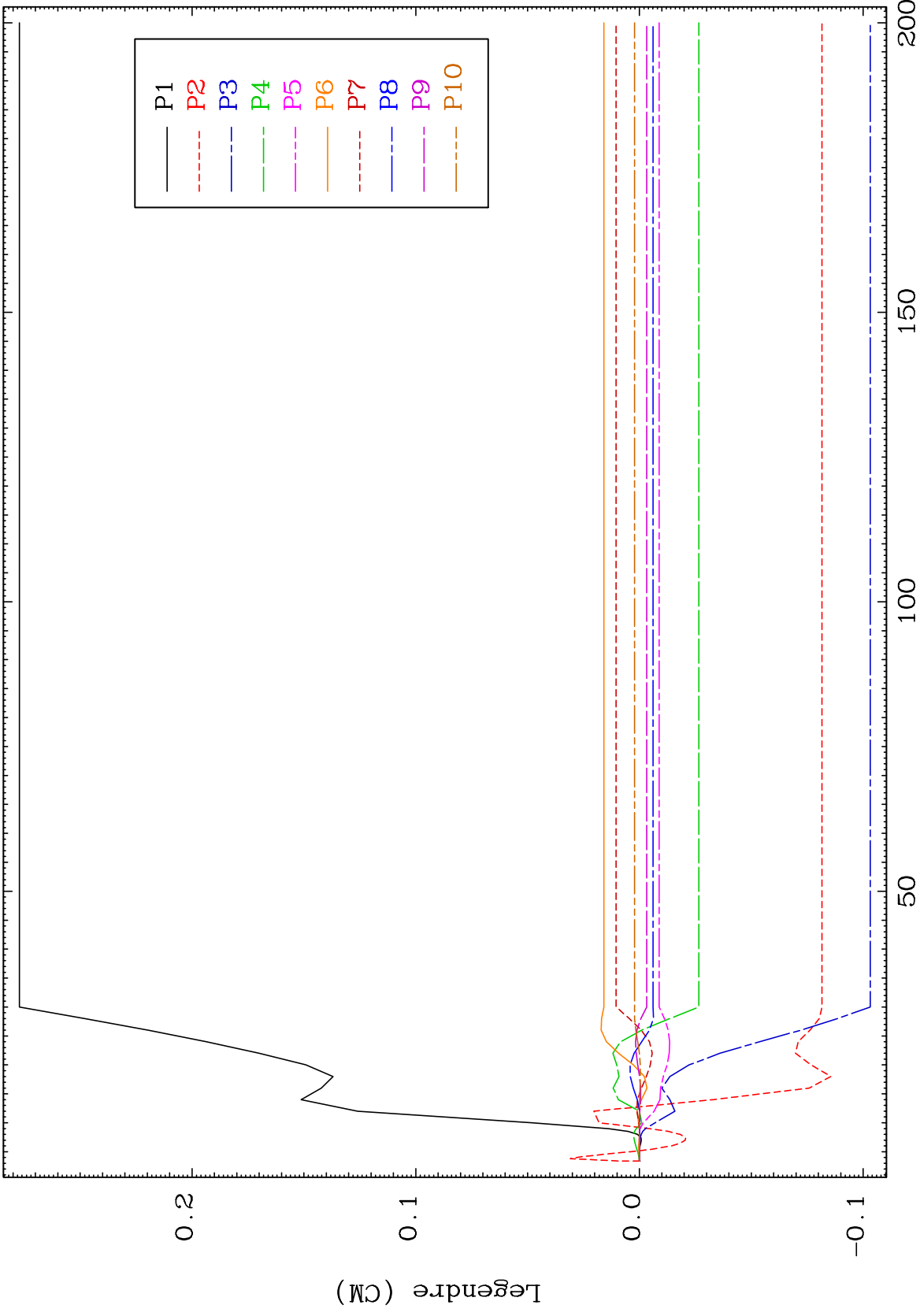


93

MAT 3155

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

31-Ga-79



94

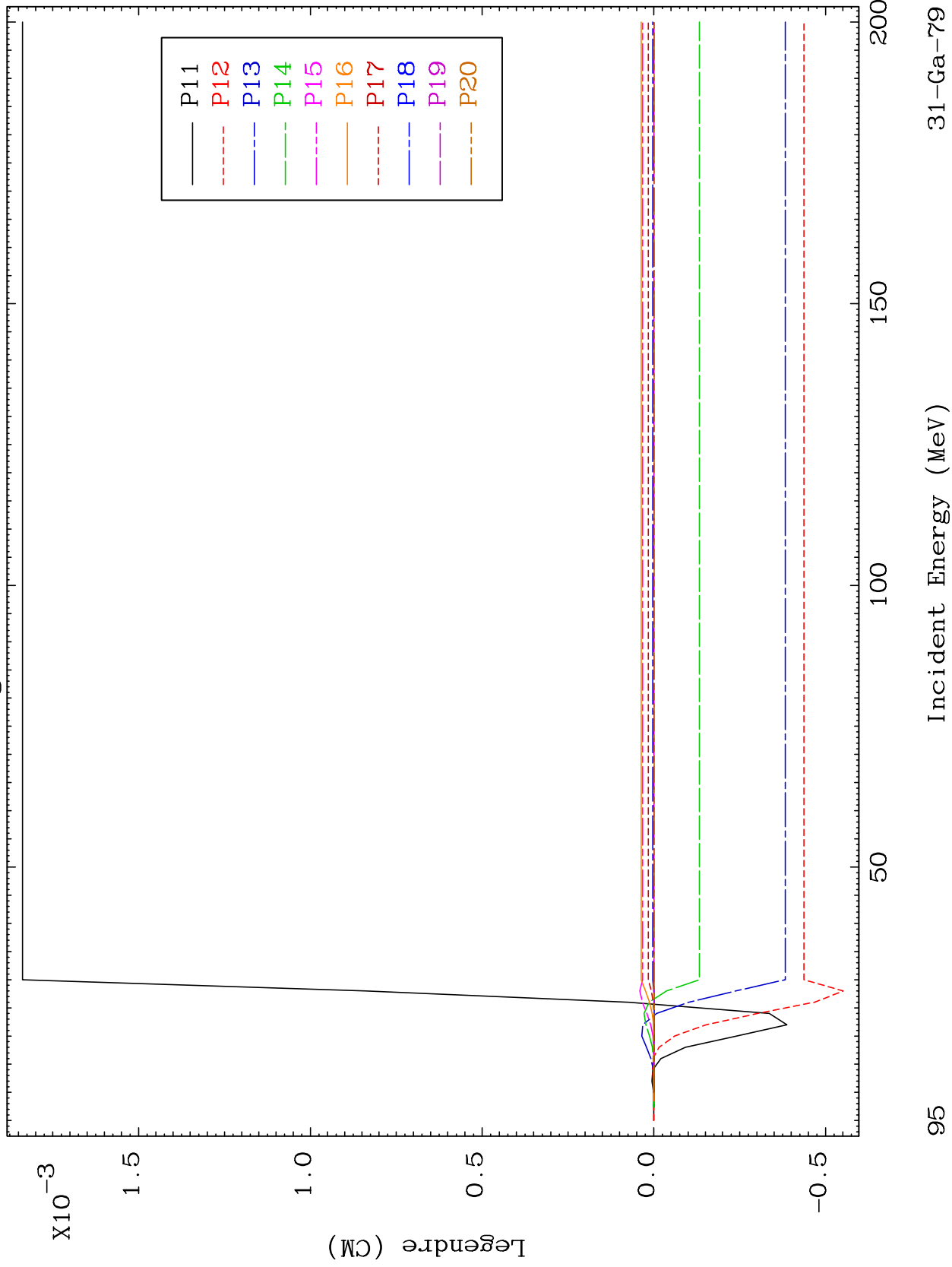
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

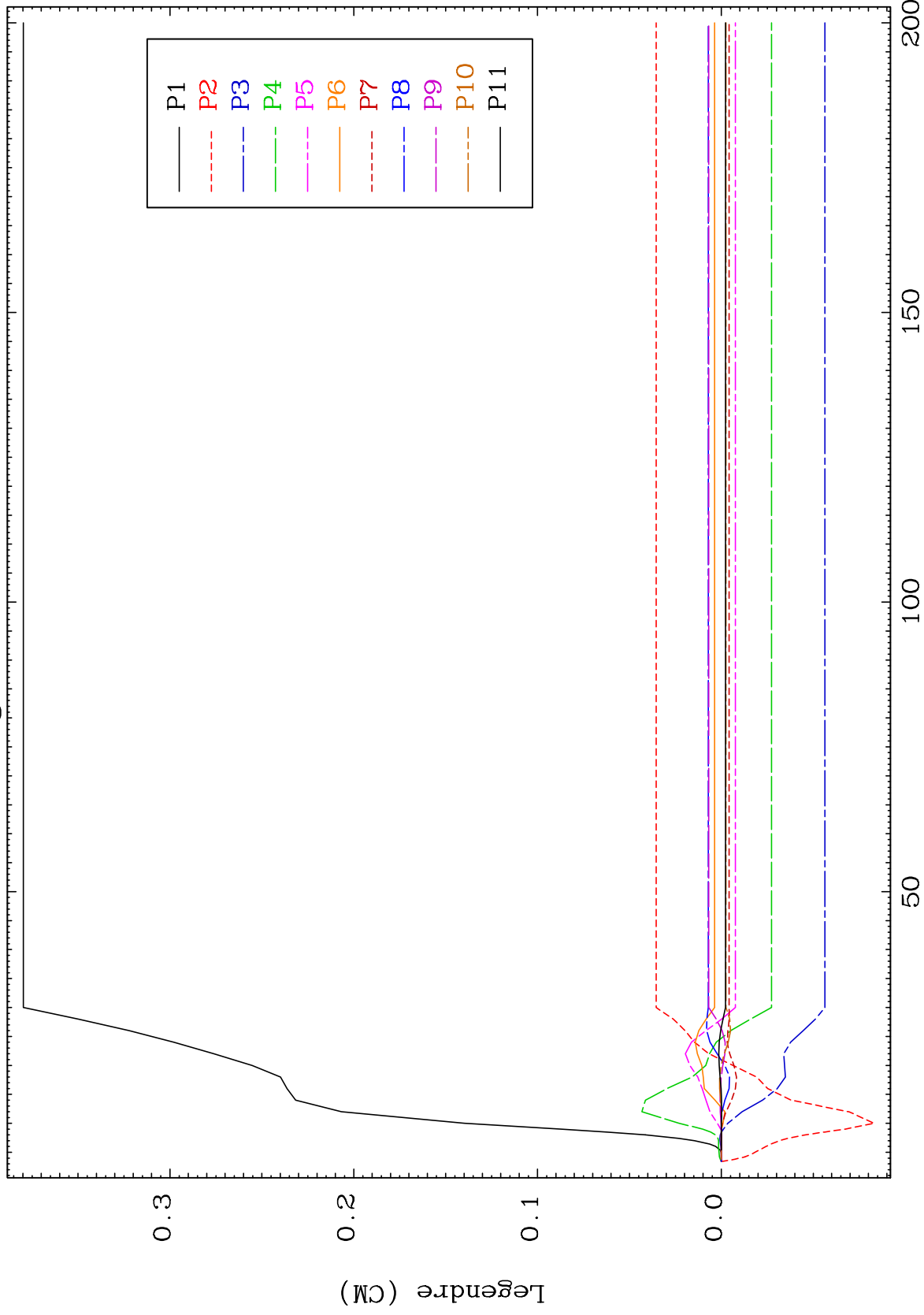
31-Ga-79



MAT 3155

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

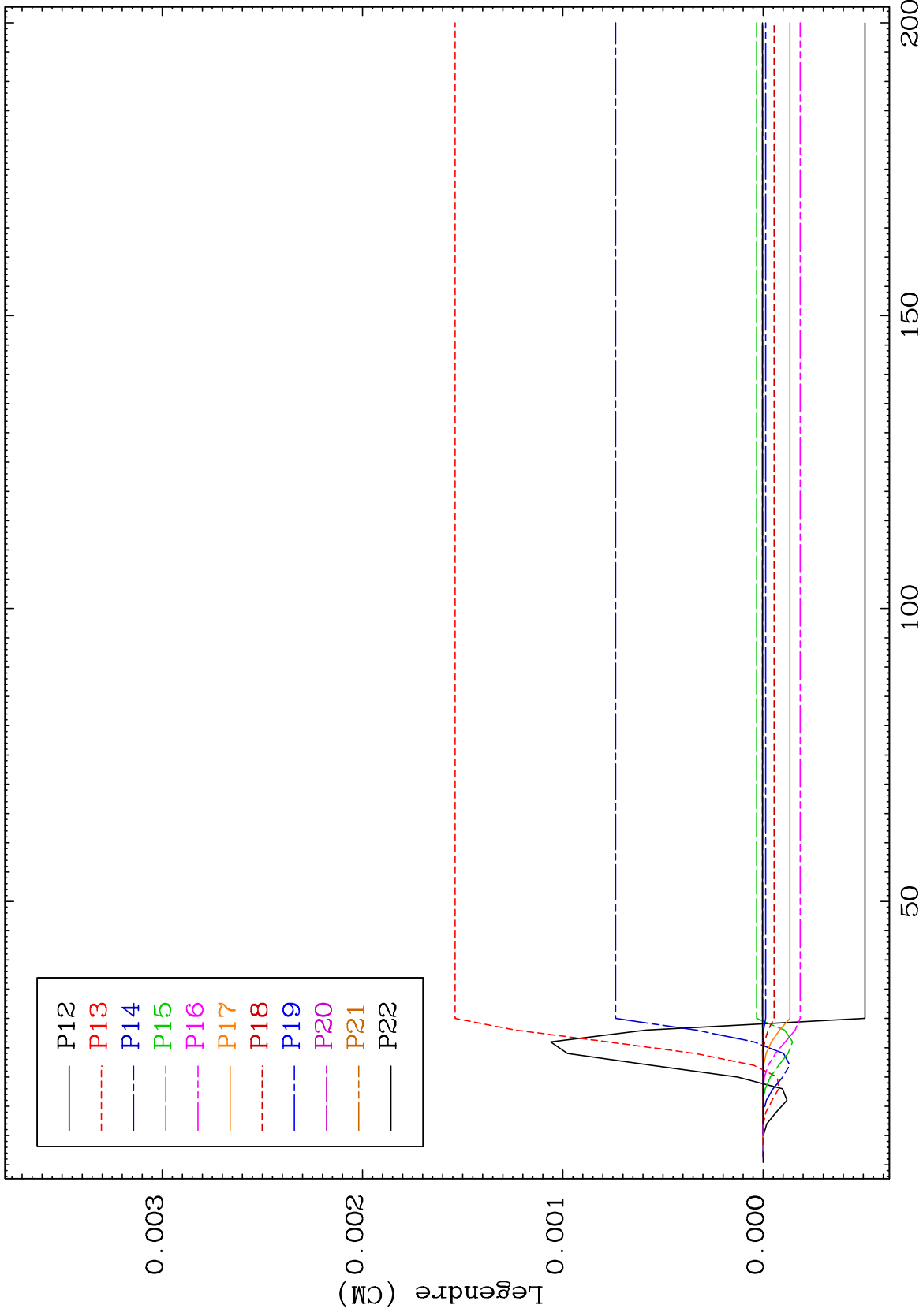
31-Ga-79



97

Incident Energy (MeV)

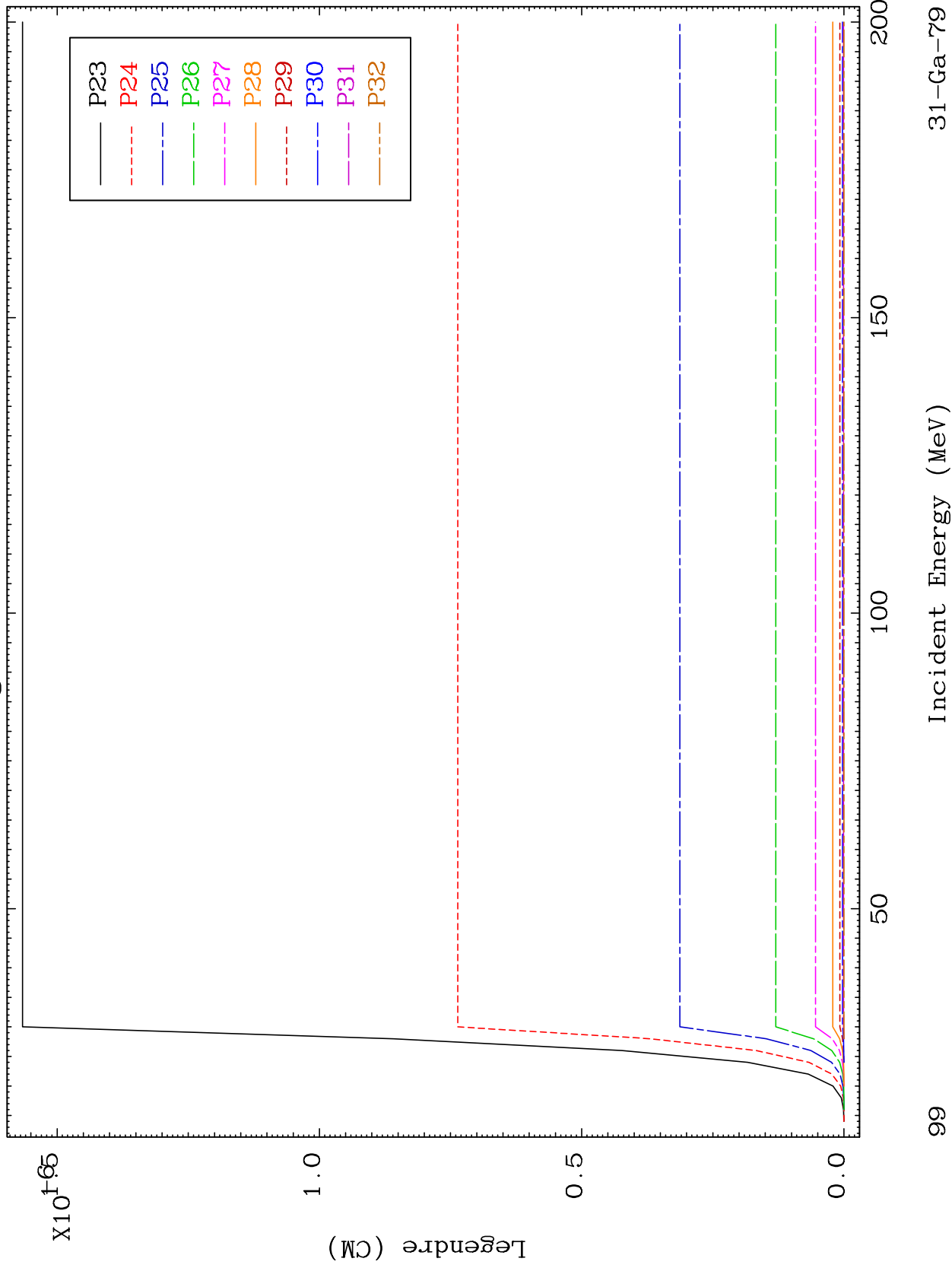
31-Ga-79

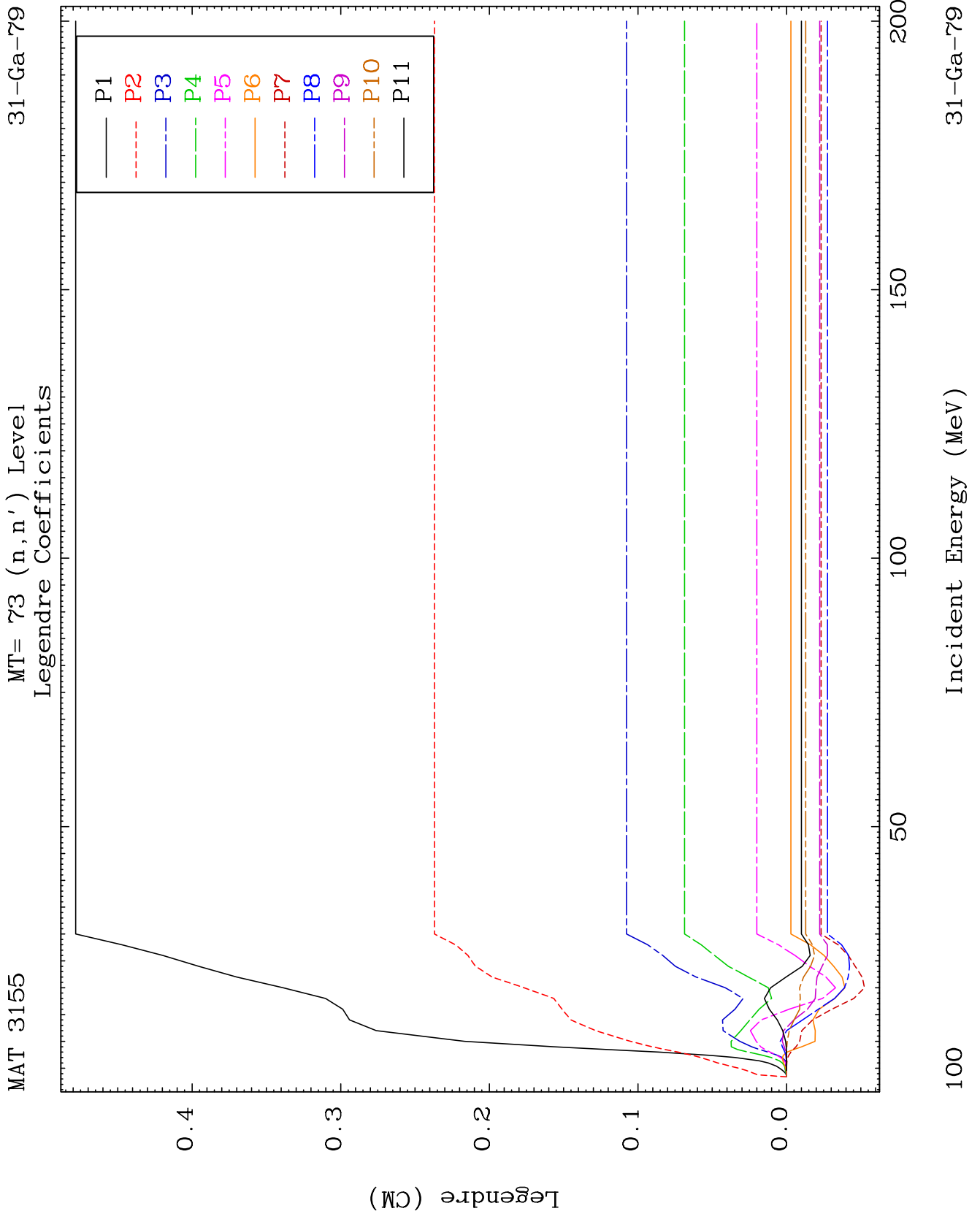


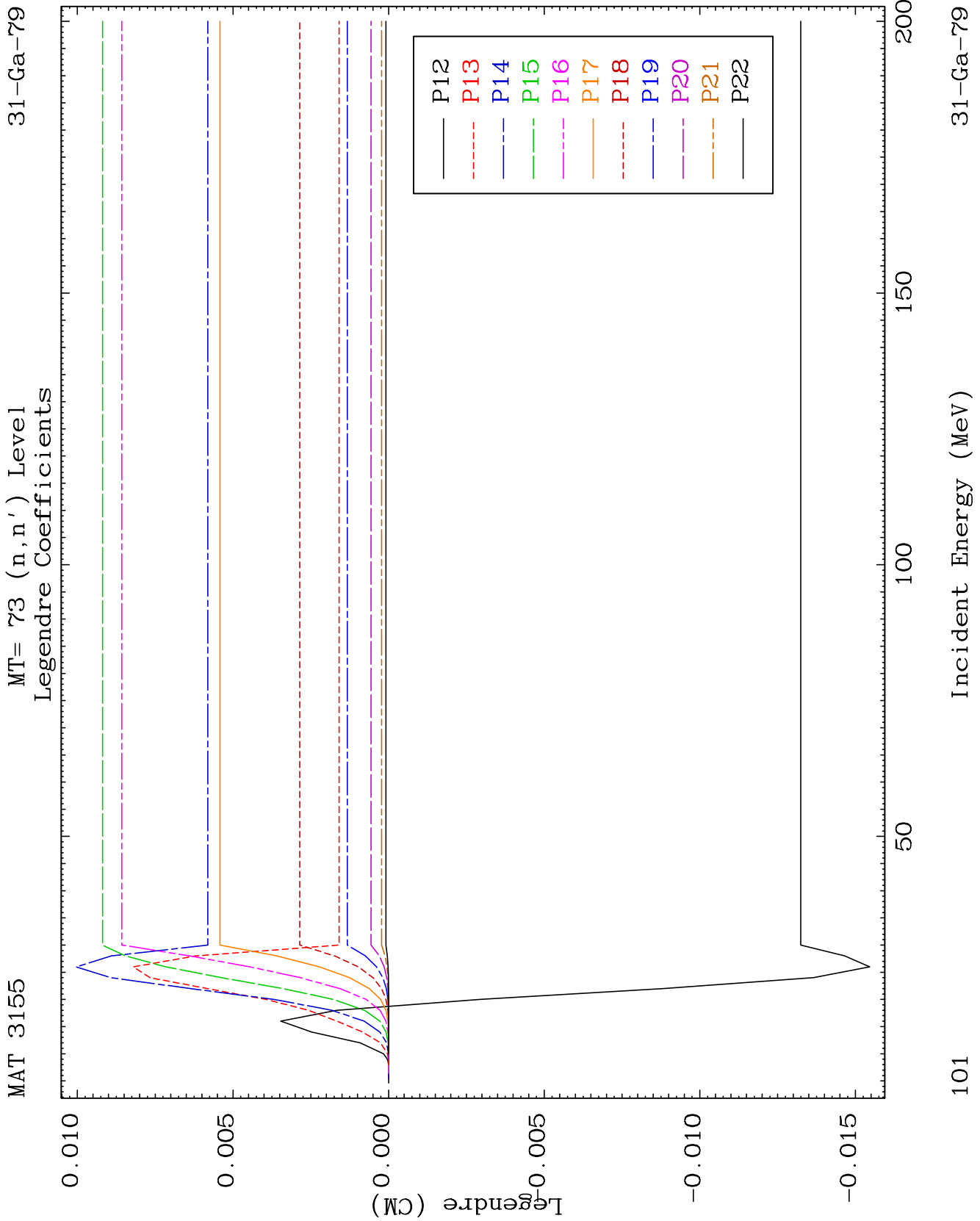
MAT 3155

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

31-Ga-79



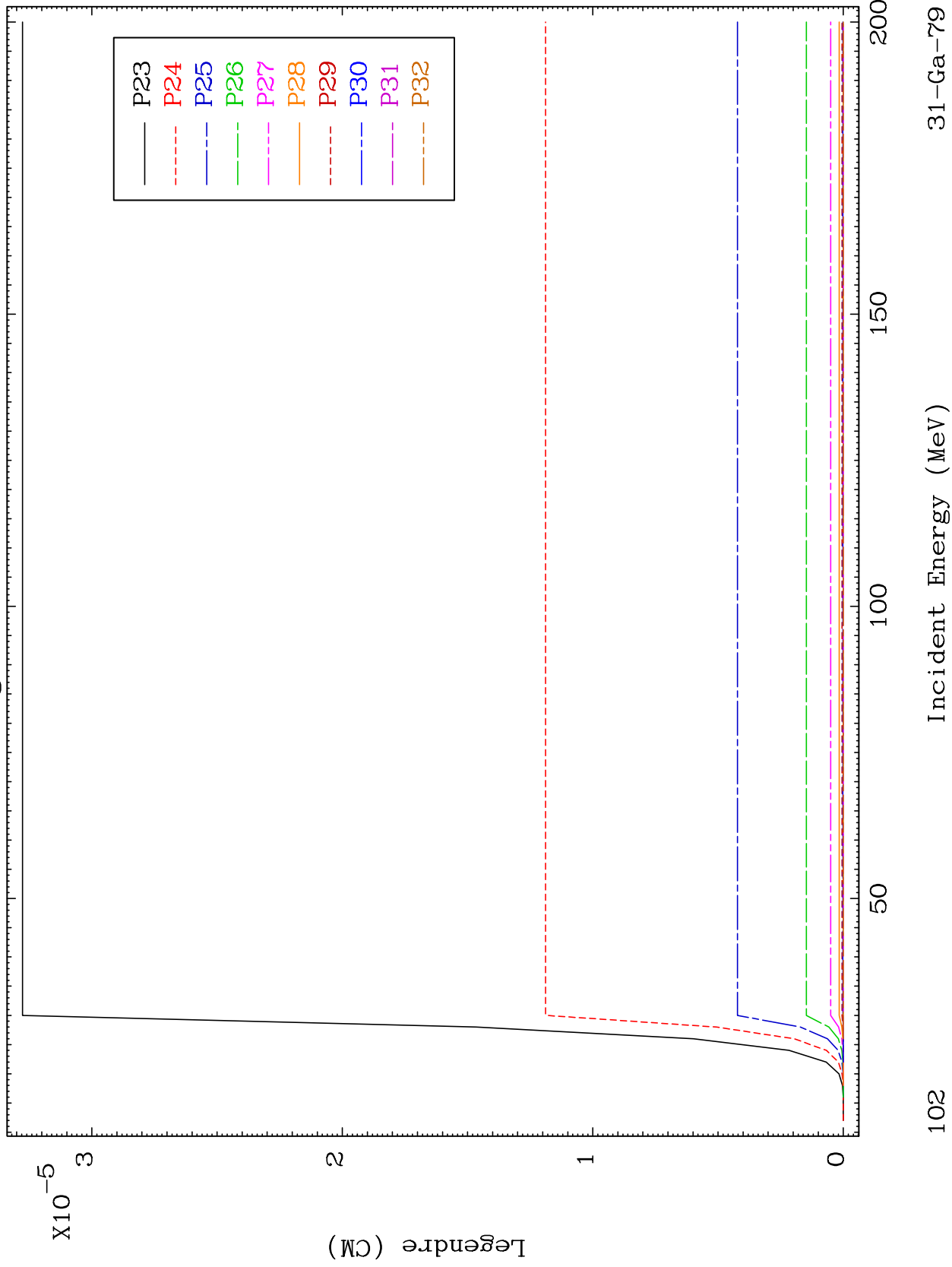




MAT 3155

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

31-Ga-79

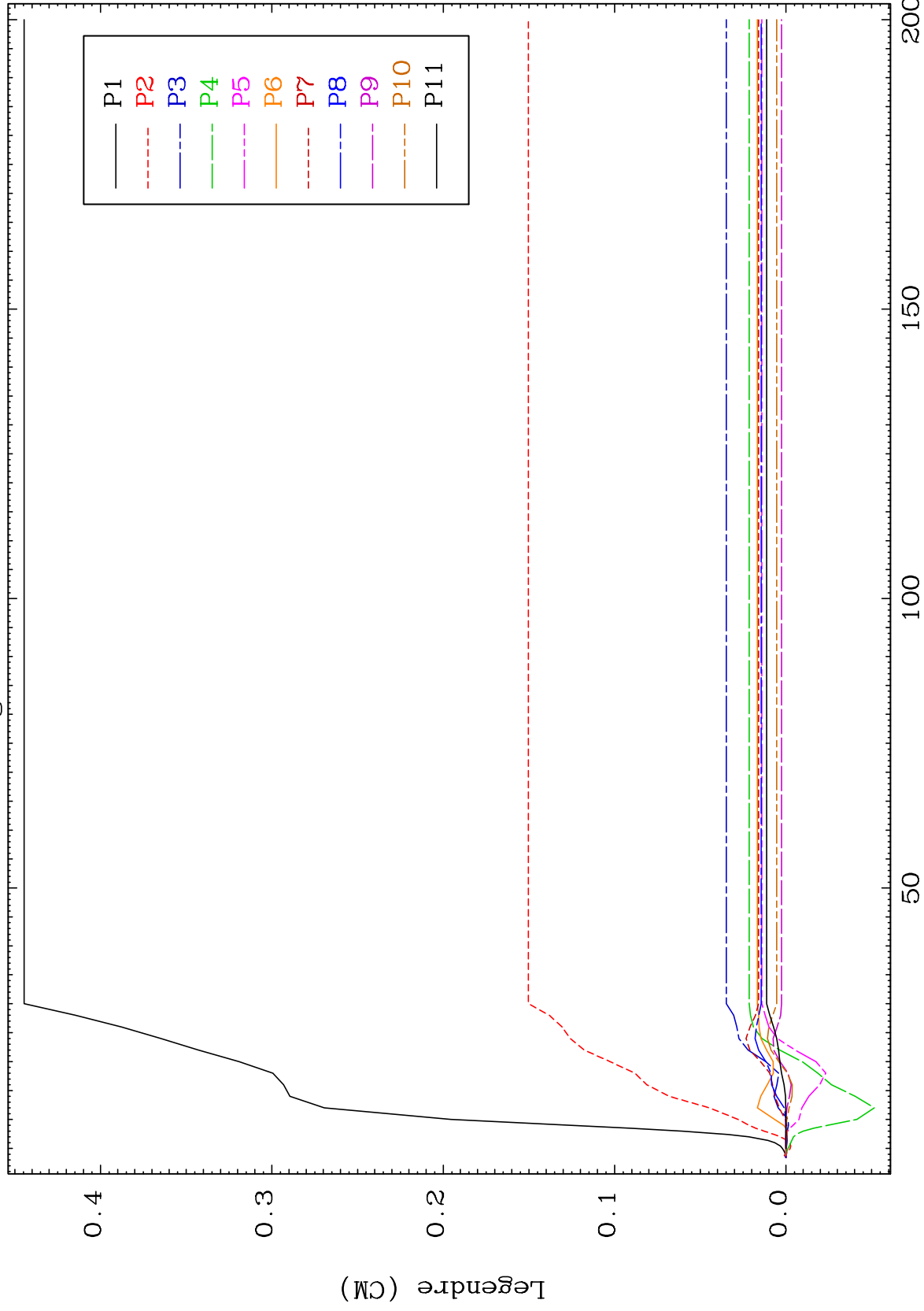


102

MAT 3155

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

31-Ga-79



103

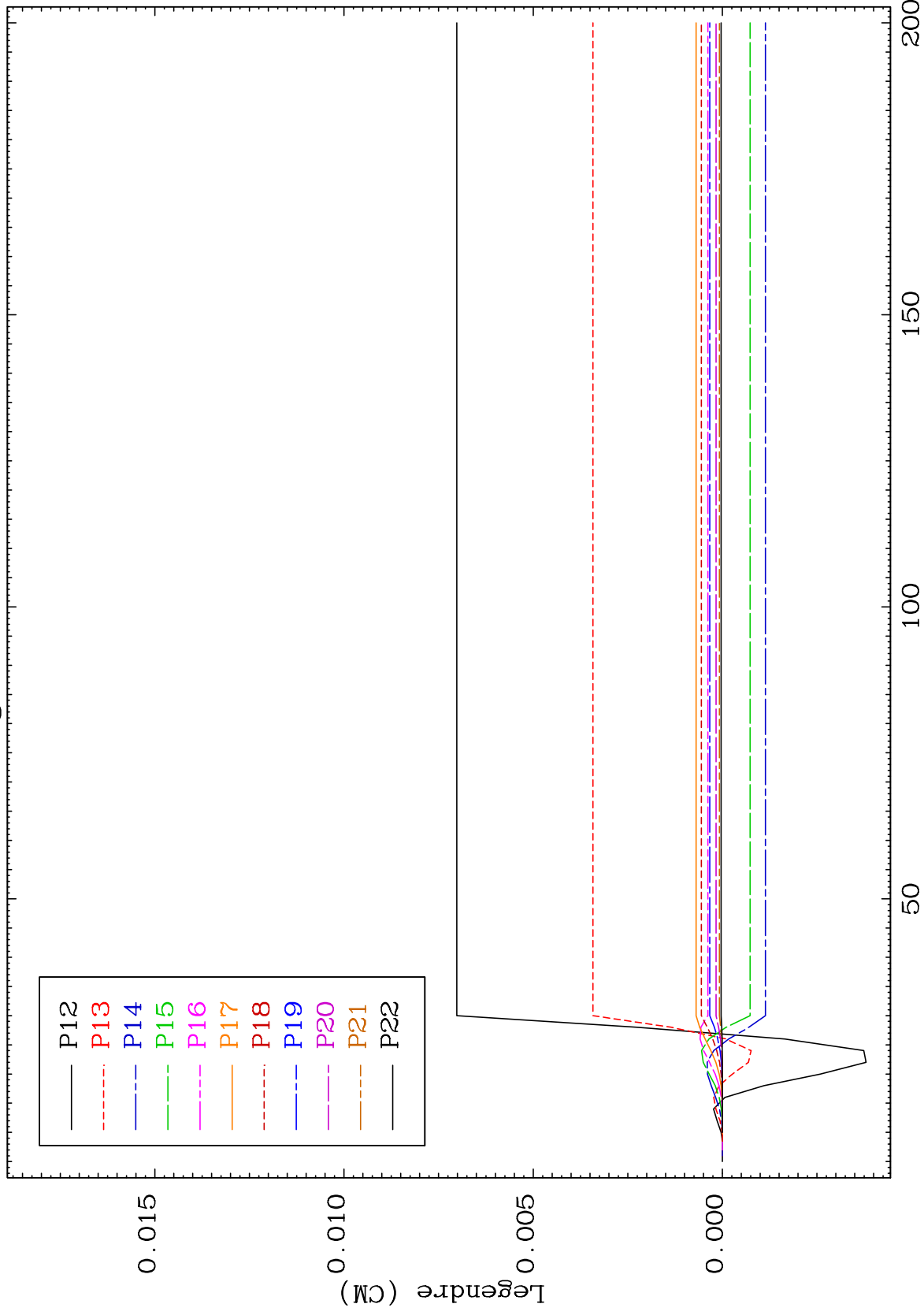
Incident Energy (MeV)

31-Ga-79

MAT 3155

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

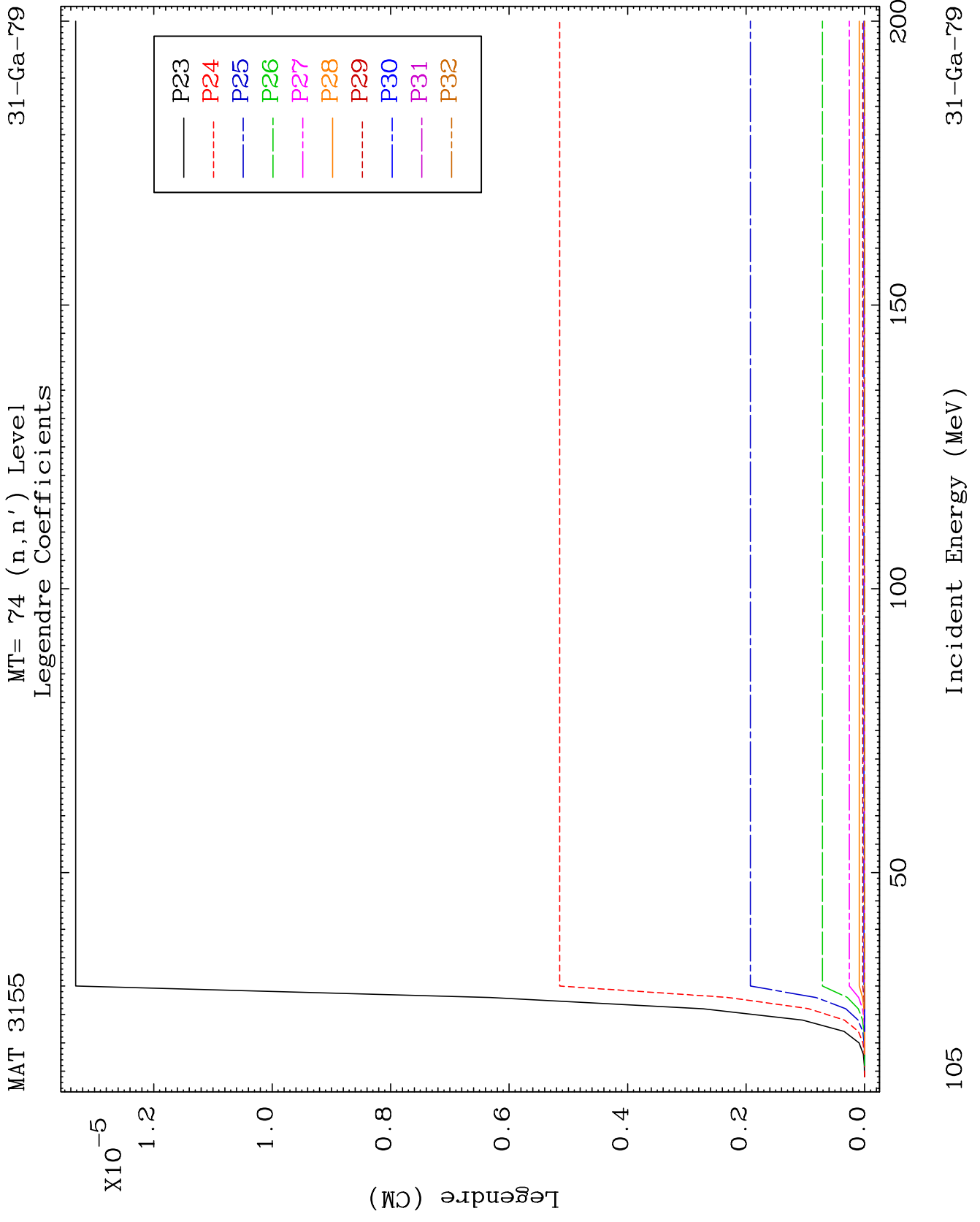
31-Ga-79



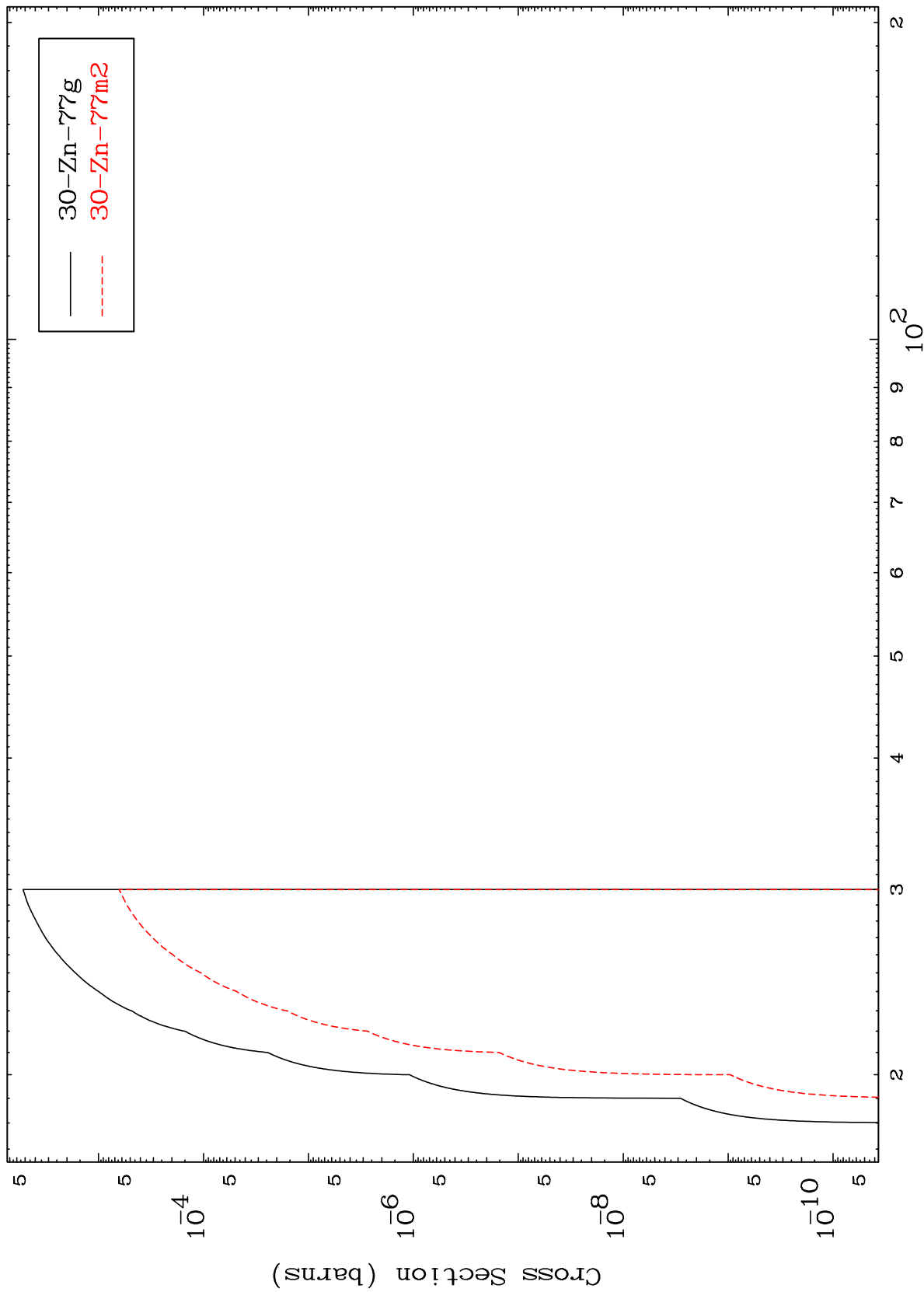
104

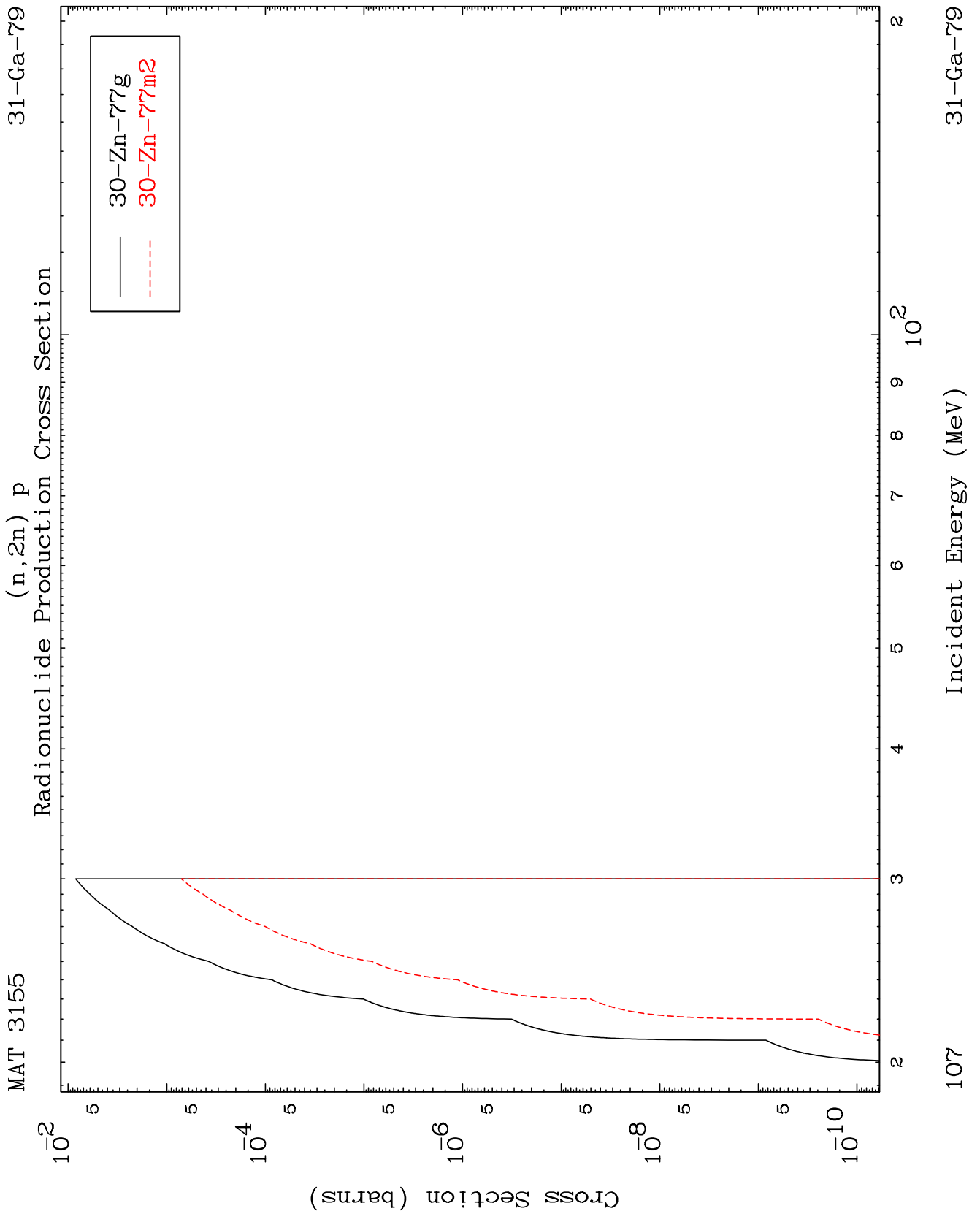
Incident Energy (MeV)

31-Ga-79



Radionuclide Production Cross Section

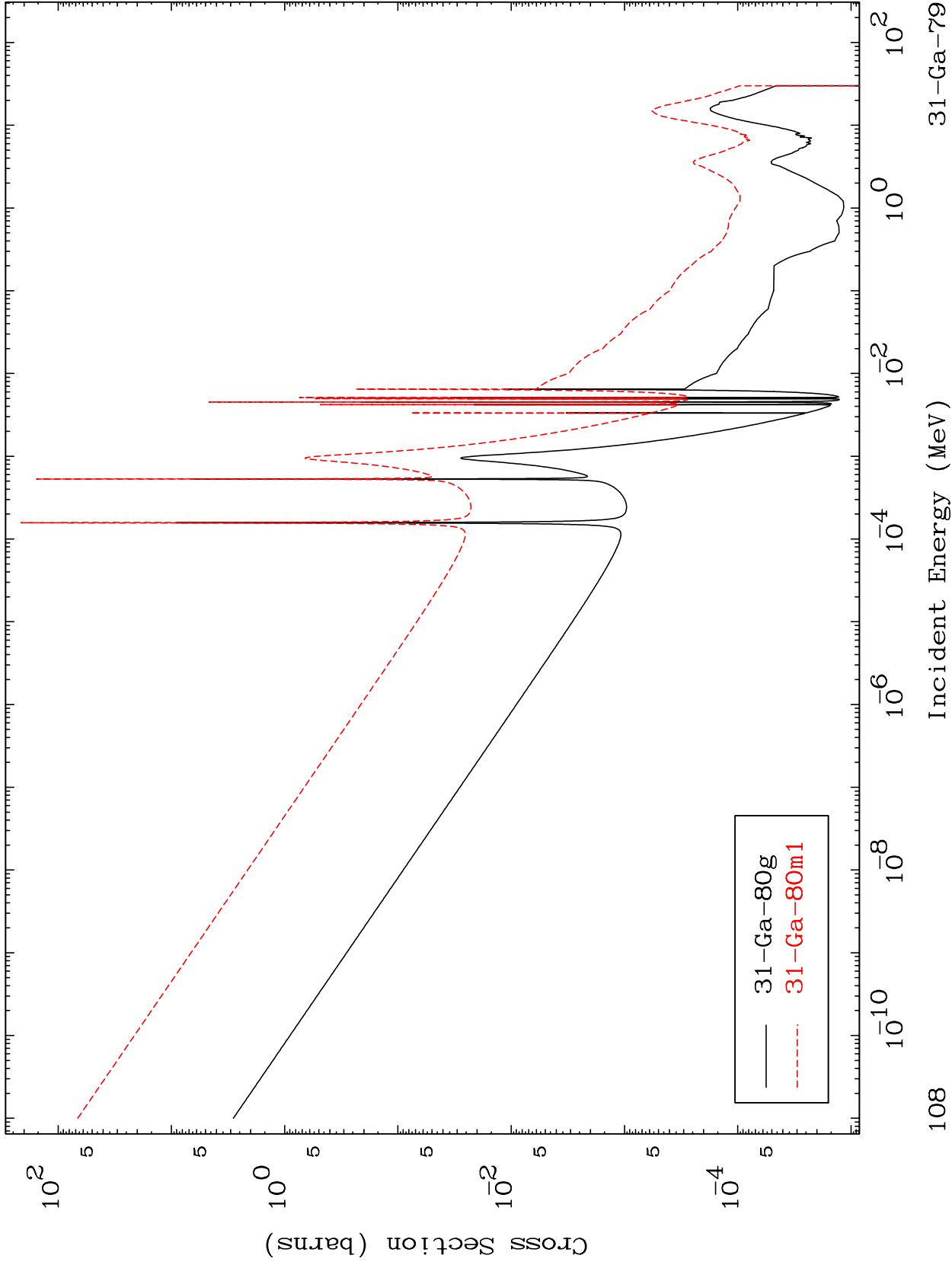




MAT 3155

³¹Ga-79

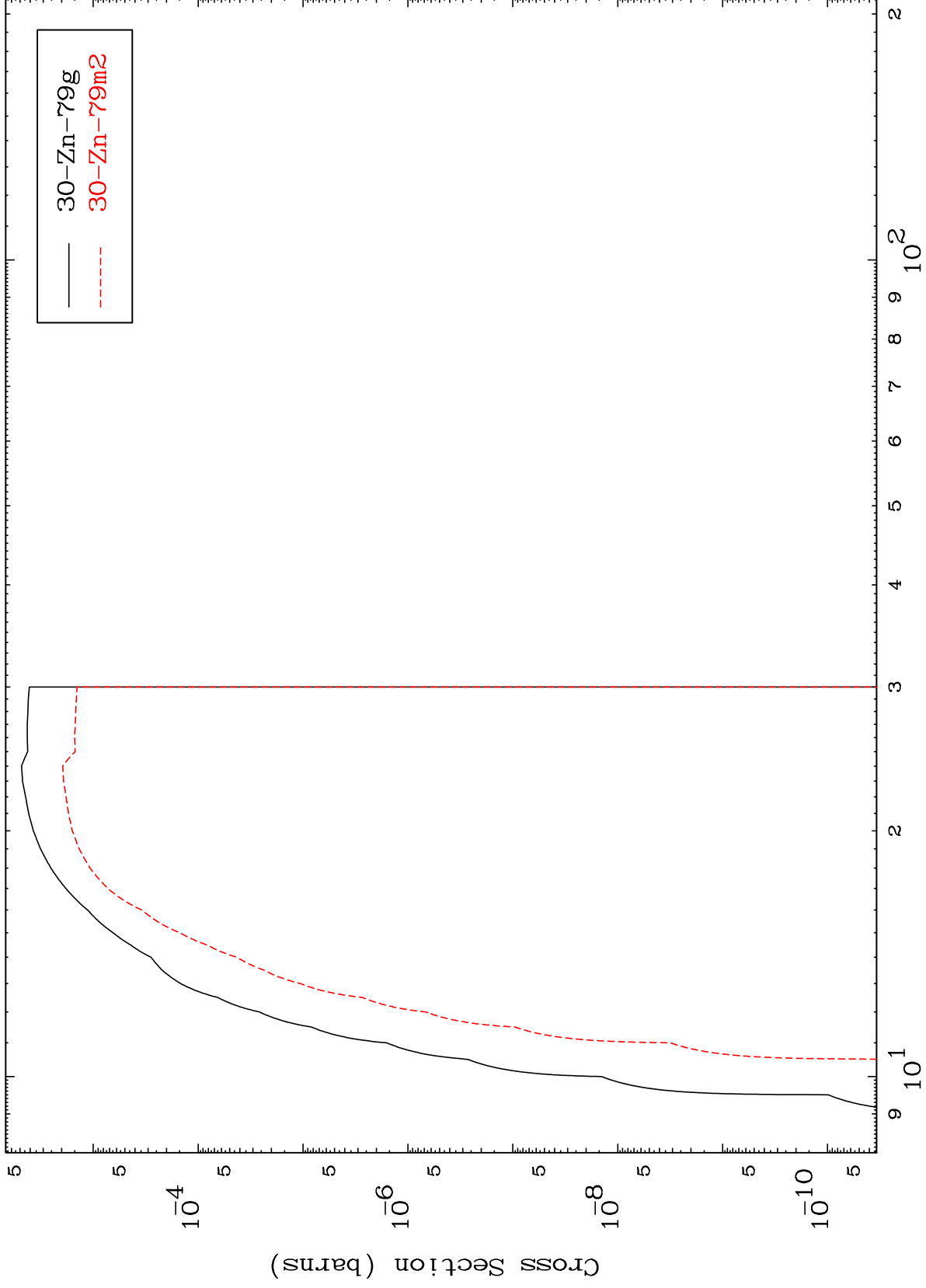
(n,γ)
Radionuclide Production Cross Section



MAT 3155

31-Ga-79

(n,p)
Radionuclide Production Cross Section



109

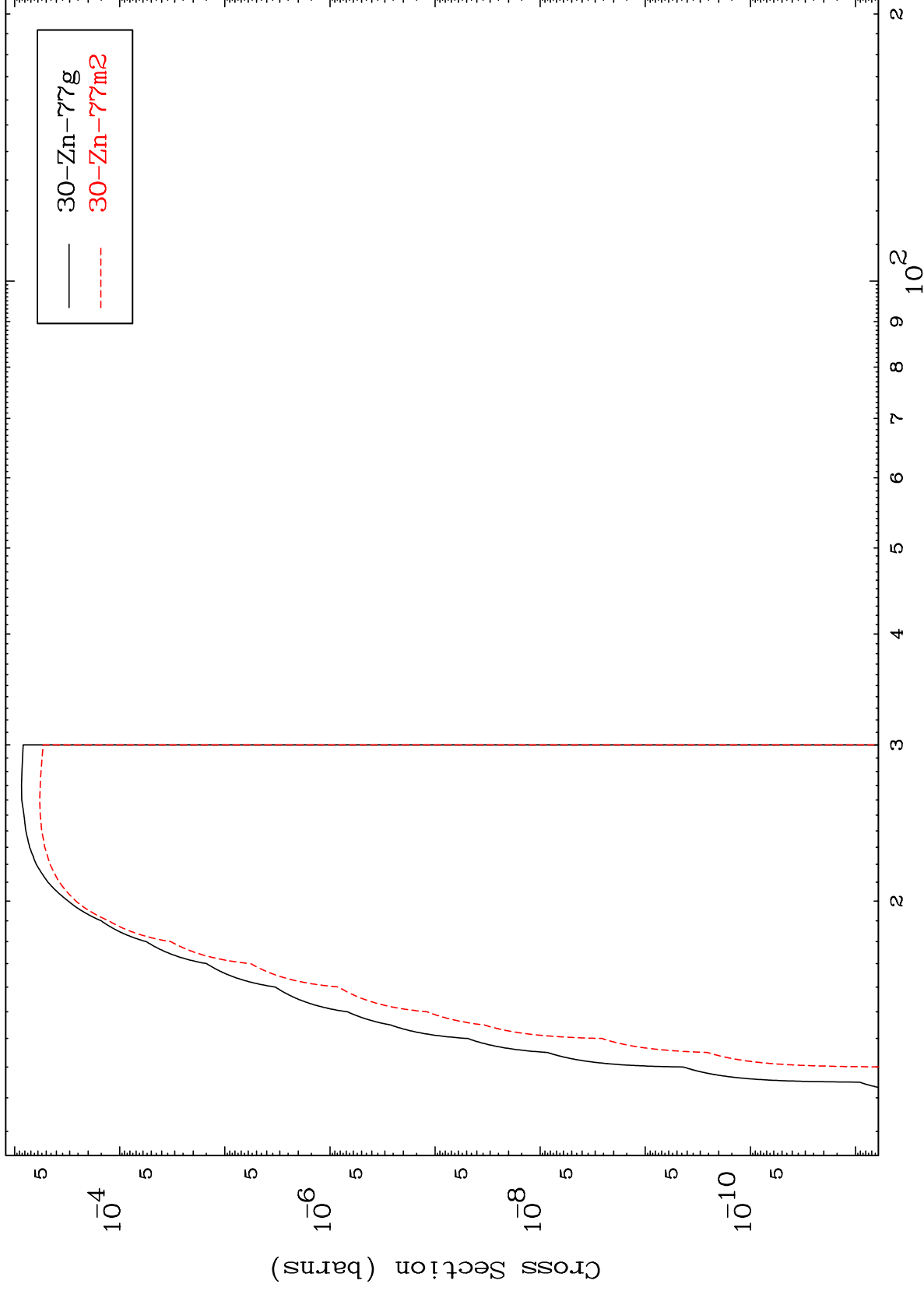
Incident Energy (MeV)

31-Ga-79

MAT 3155

31-Ga-79

(n,t)
Radionuclide Production Cross Section



110

Incident Energy (MeV)

31-Ga-79