

Program EVALPLOT
(Version 2021-1)

by

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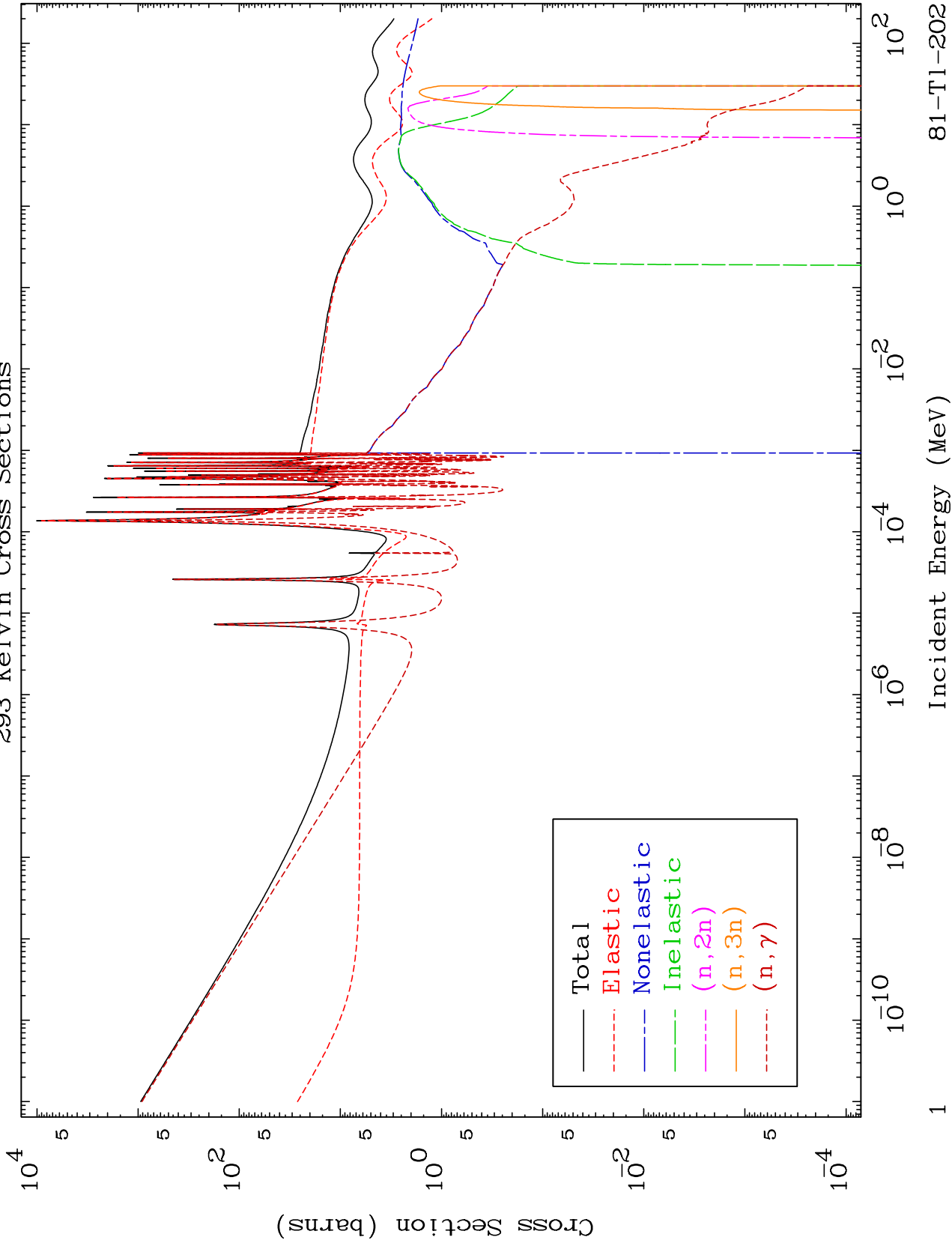
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8122

Neutron Major
293 Kelvin Cross Sections

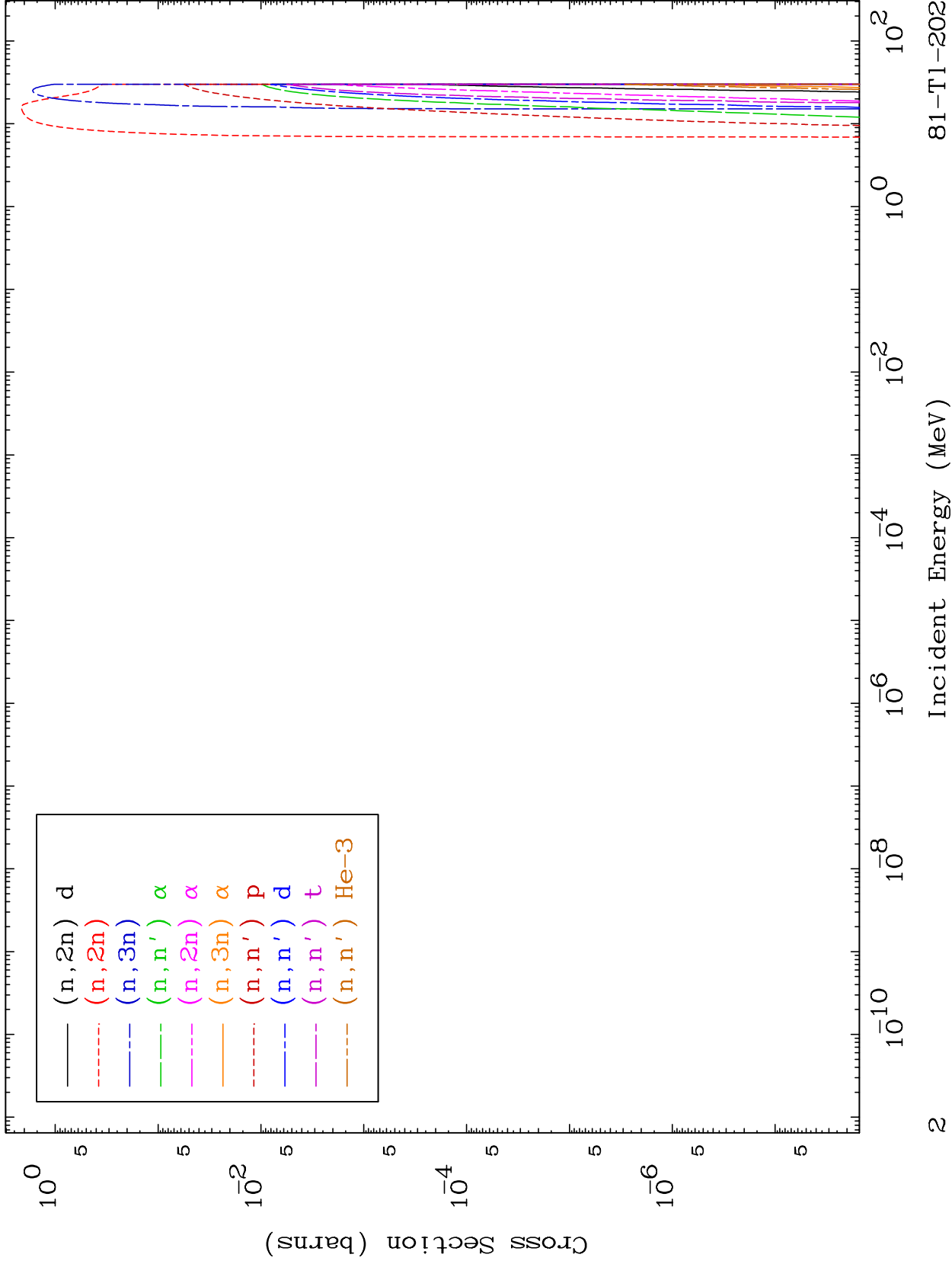
81-T1-202

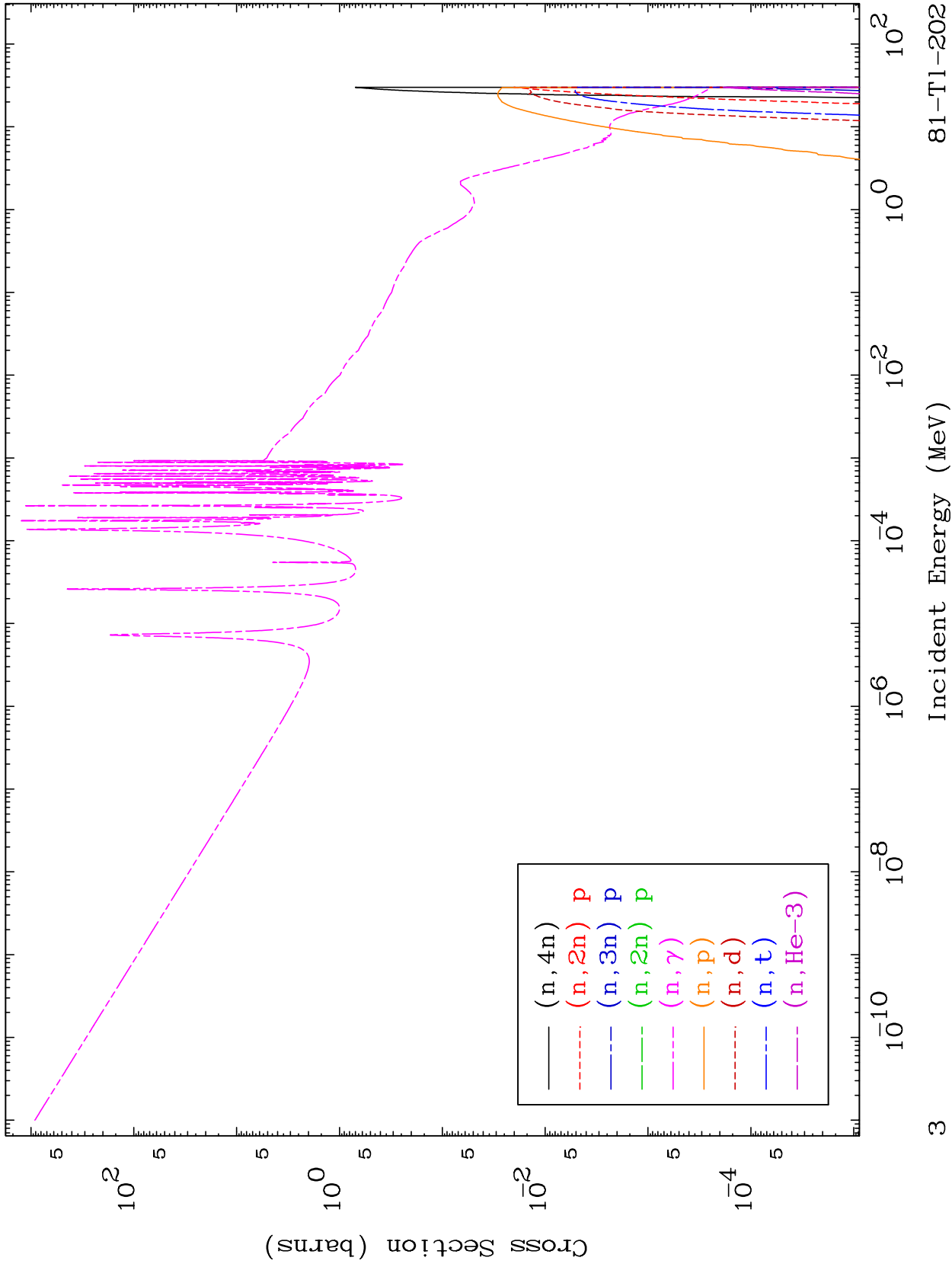


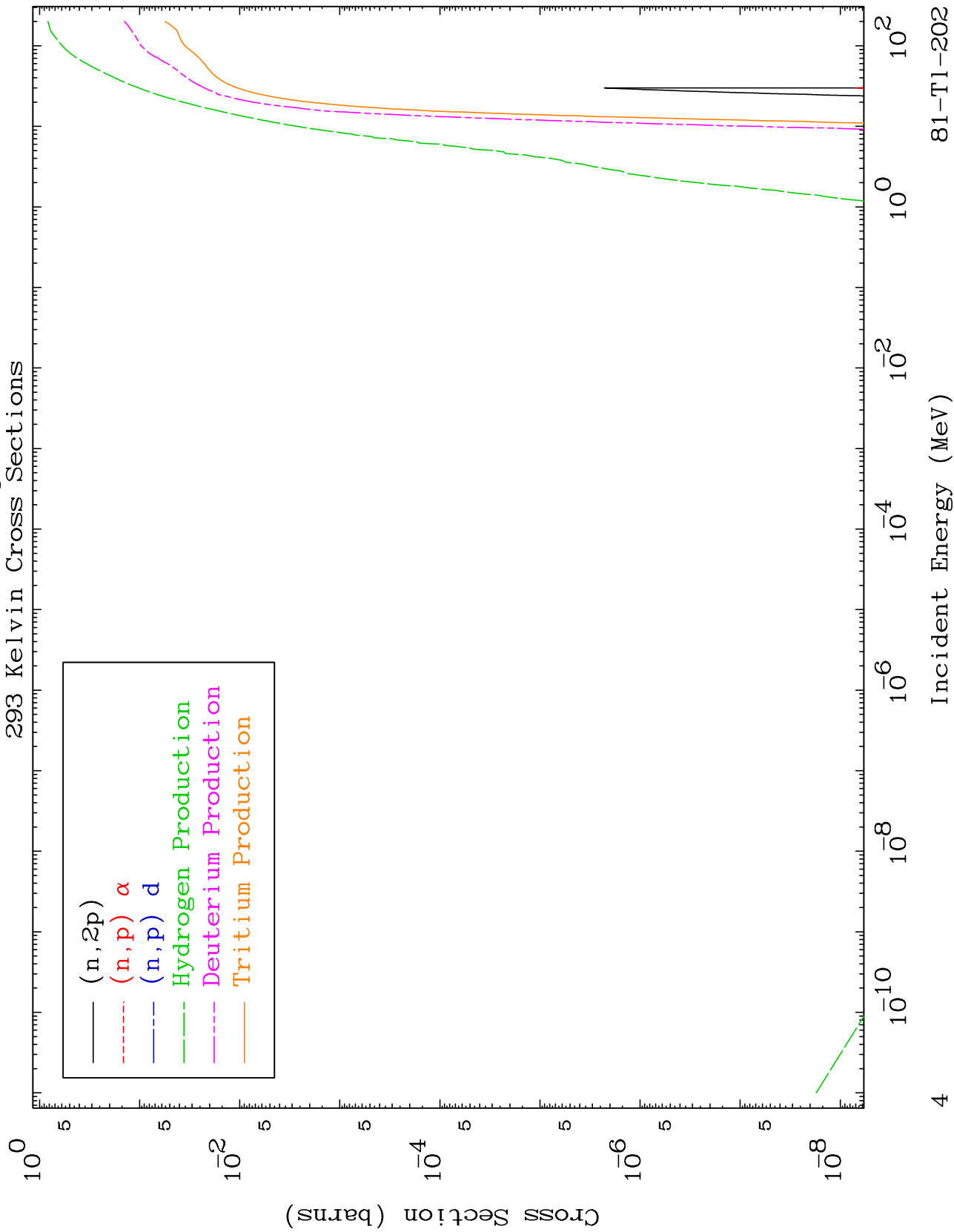
MAT 8122

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-202



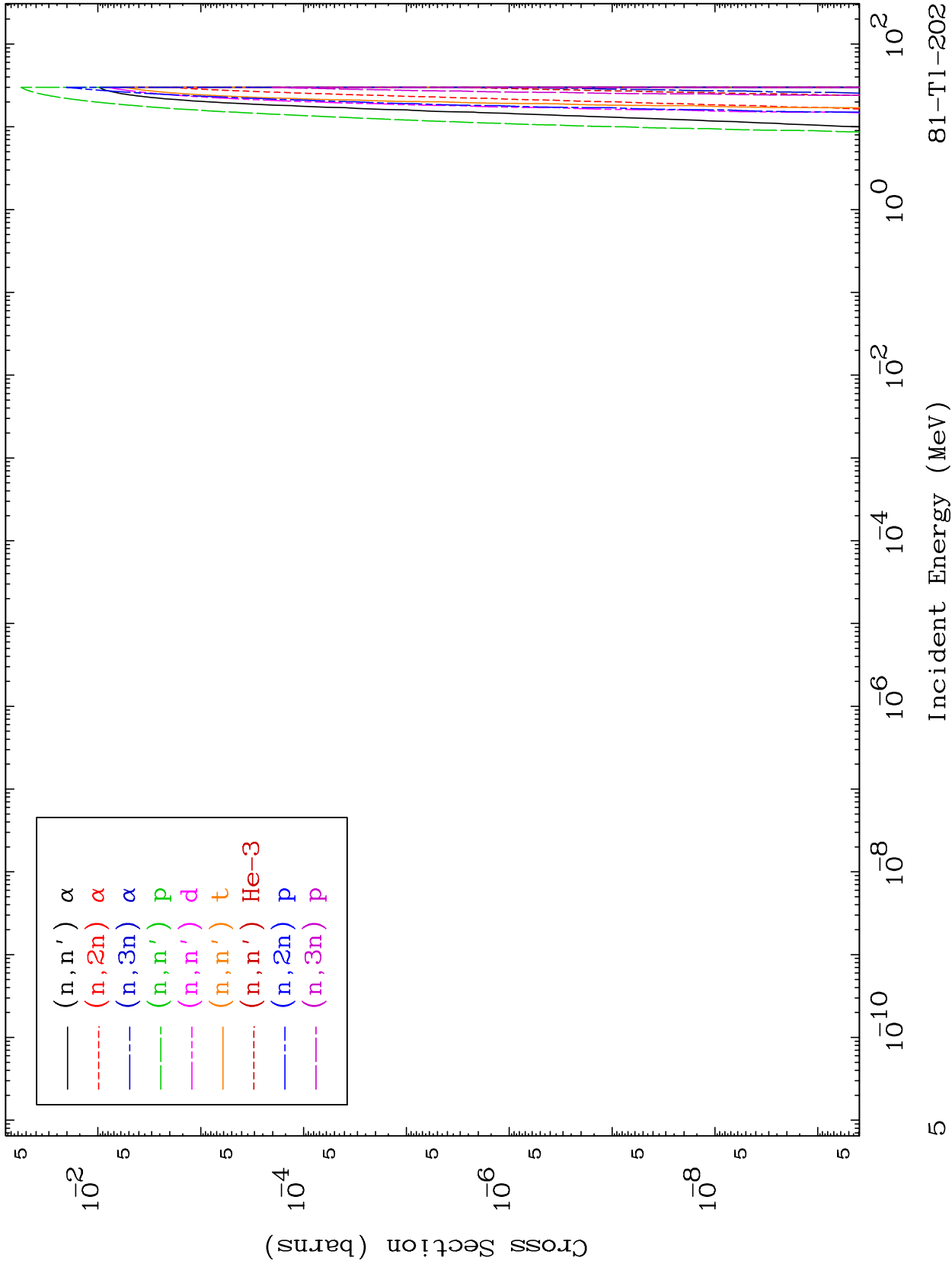




MAT 8122

Charged Particle
293 Kelvin Cross Sections

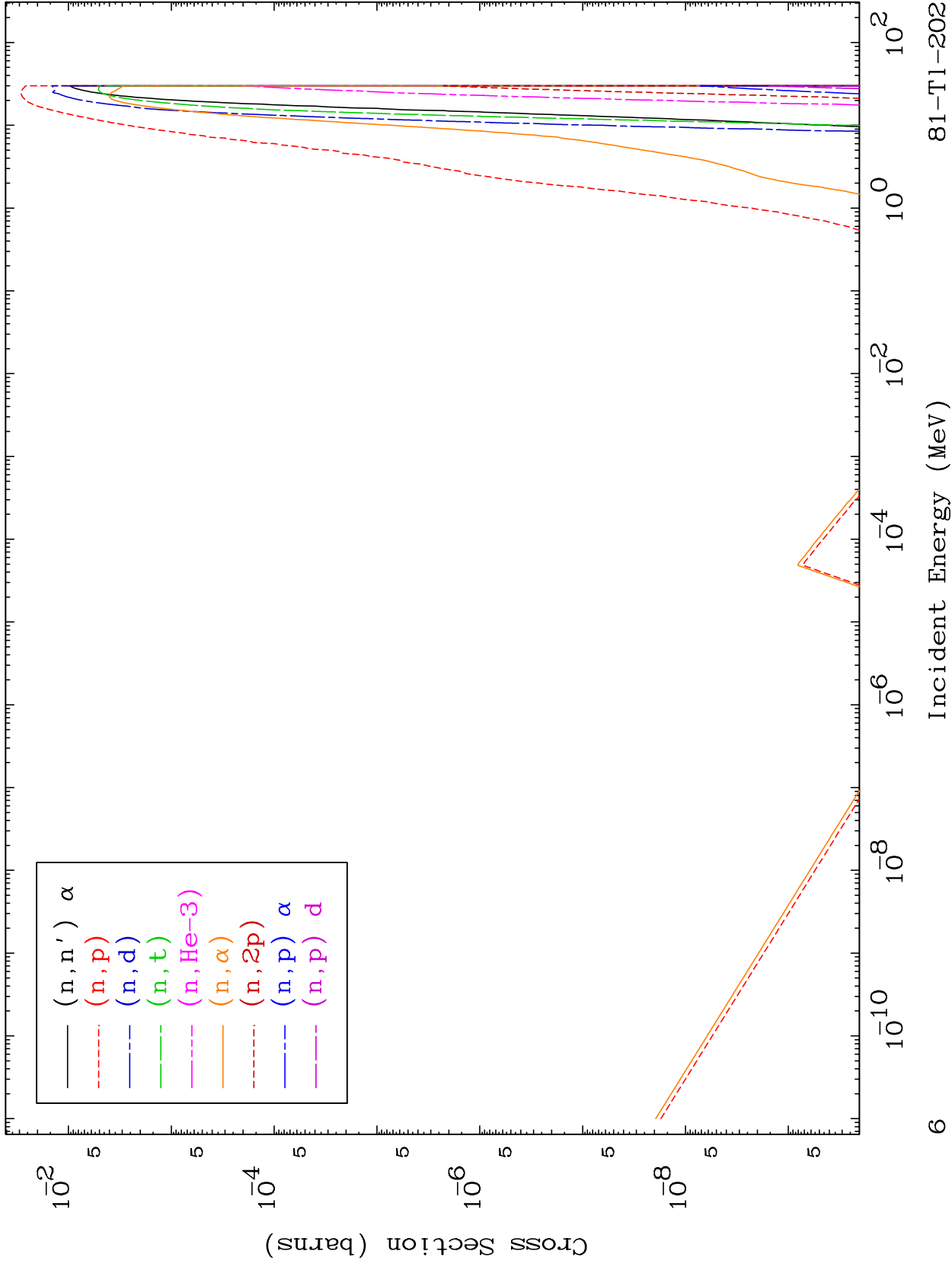
81-Tl-202



5

Incident Energy (MeV)

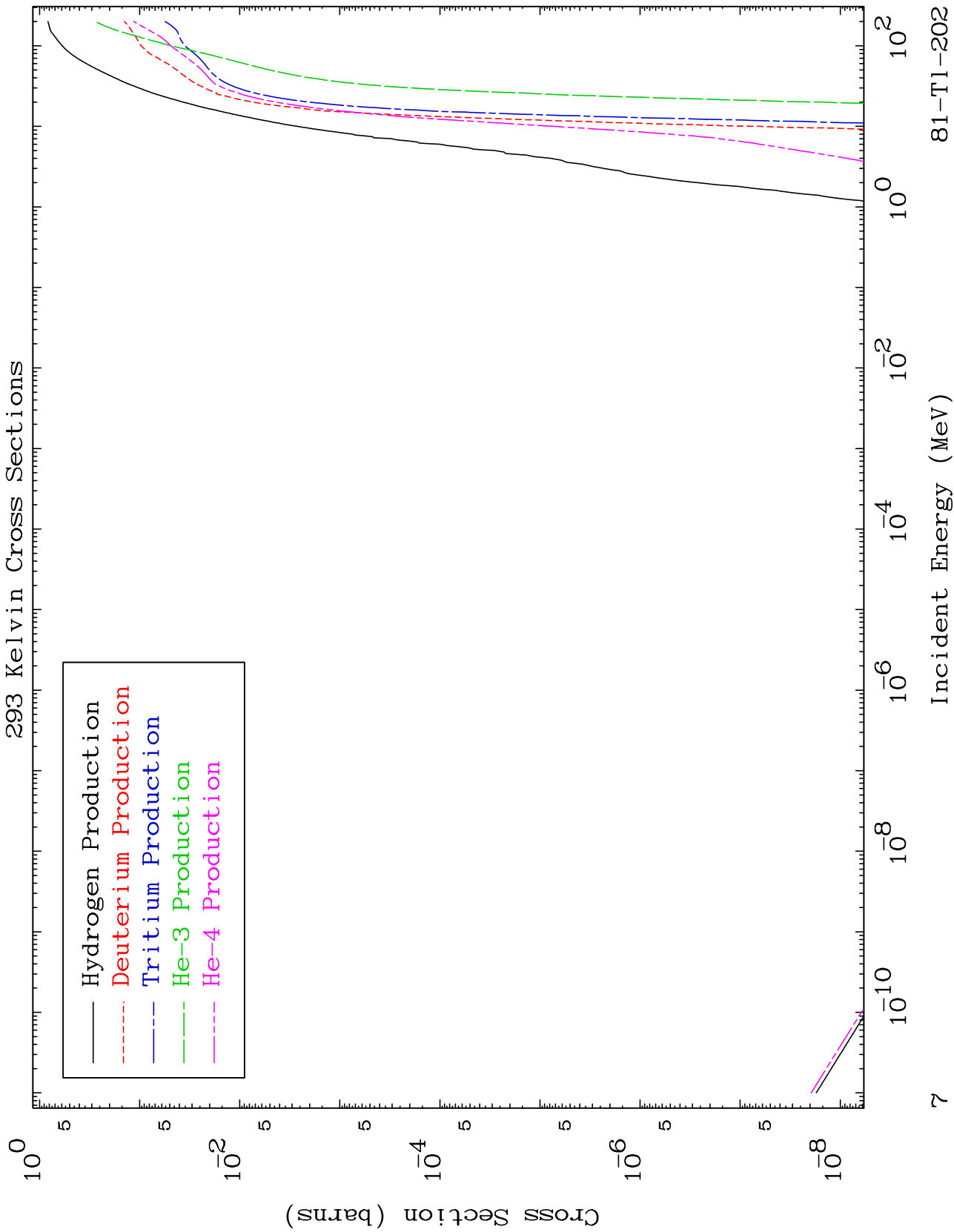
81-Tl-202



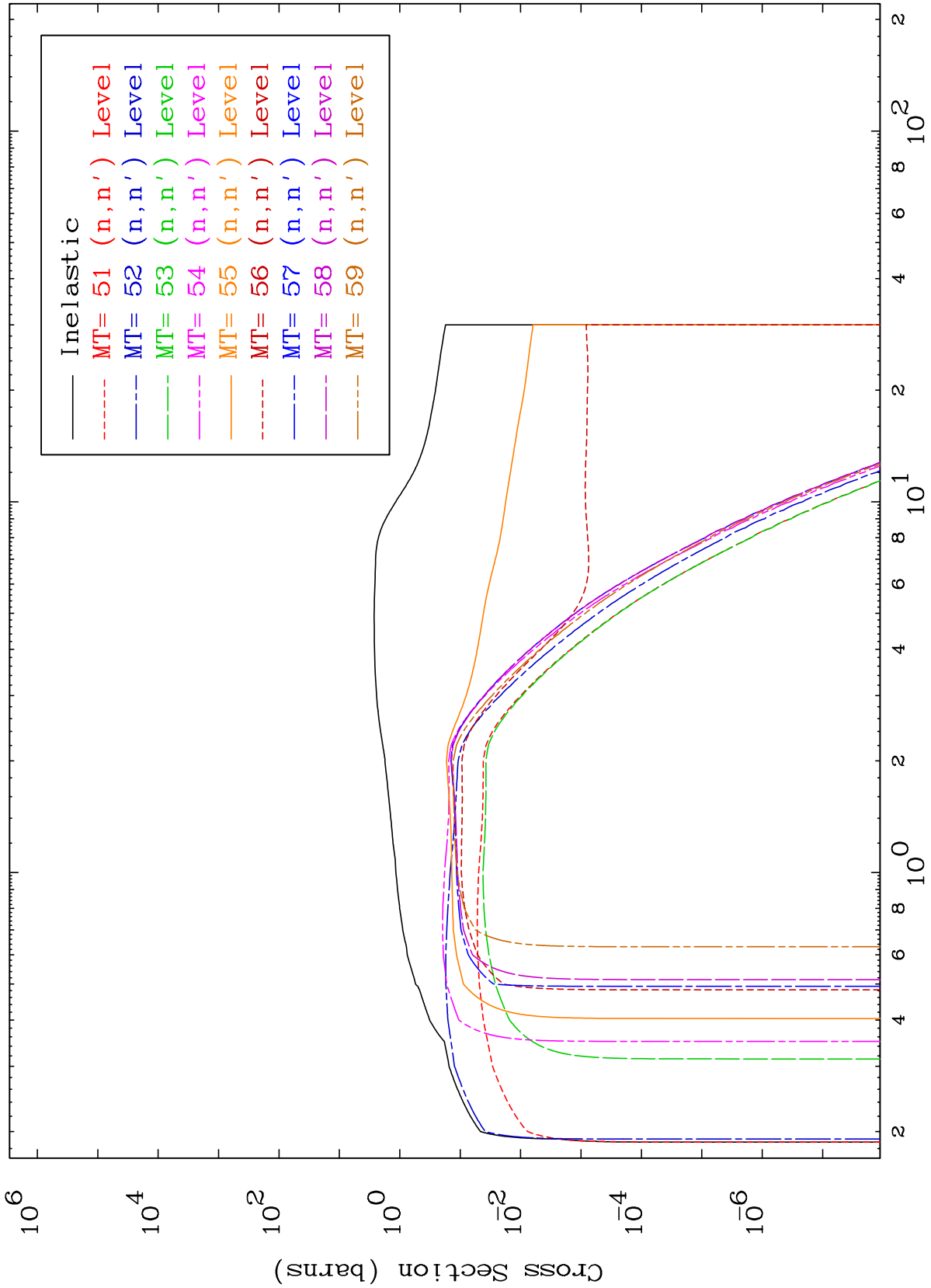
MAT 8122

Particle Production
293 Kelvin Cross Sections

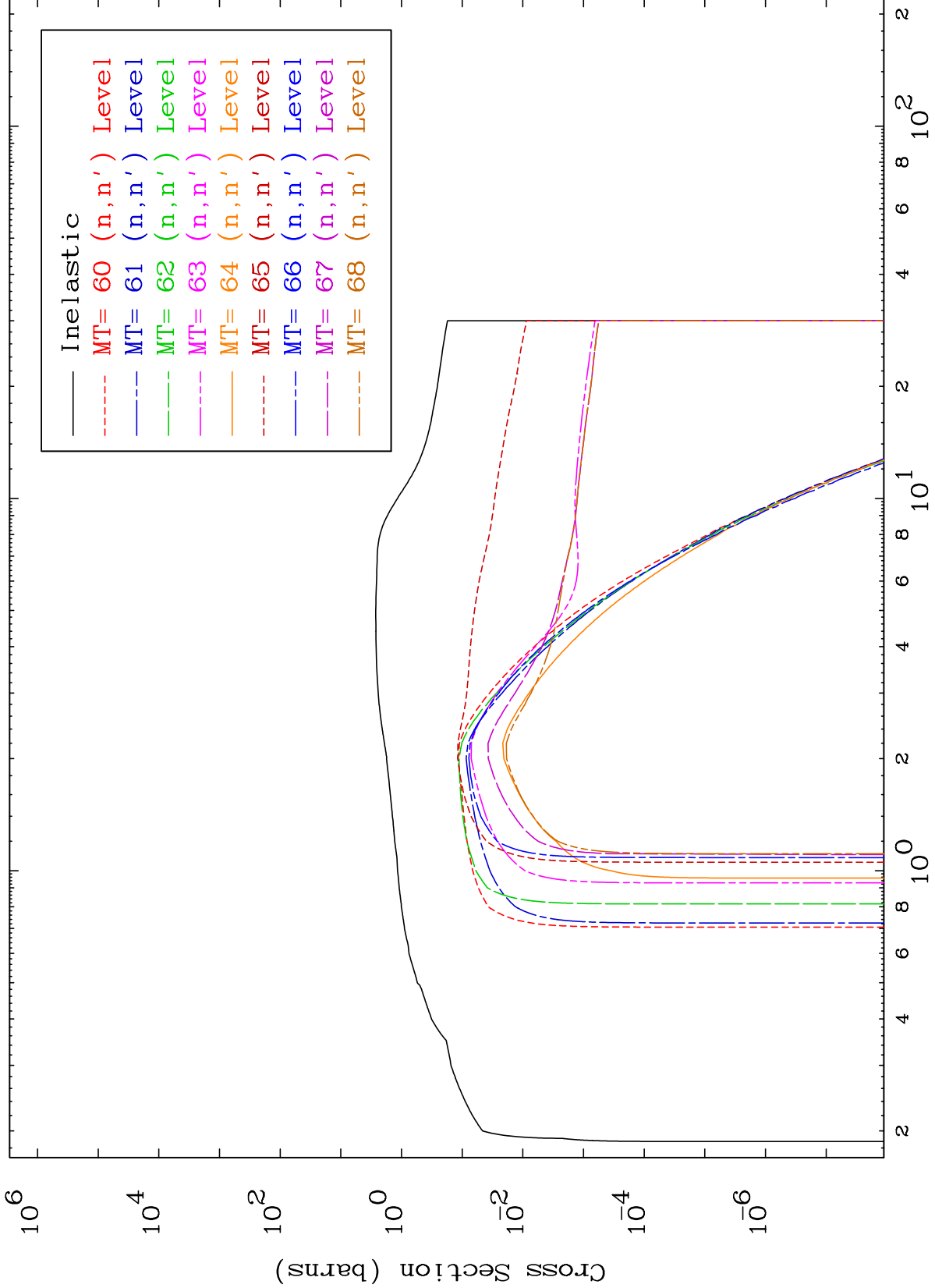
81-T1-202



293 Kelvin Cross Sections



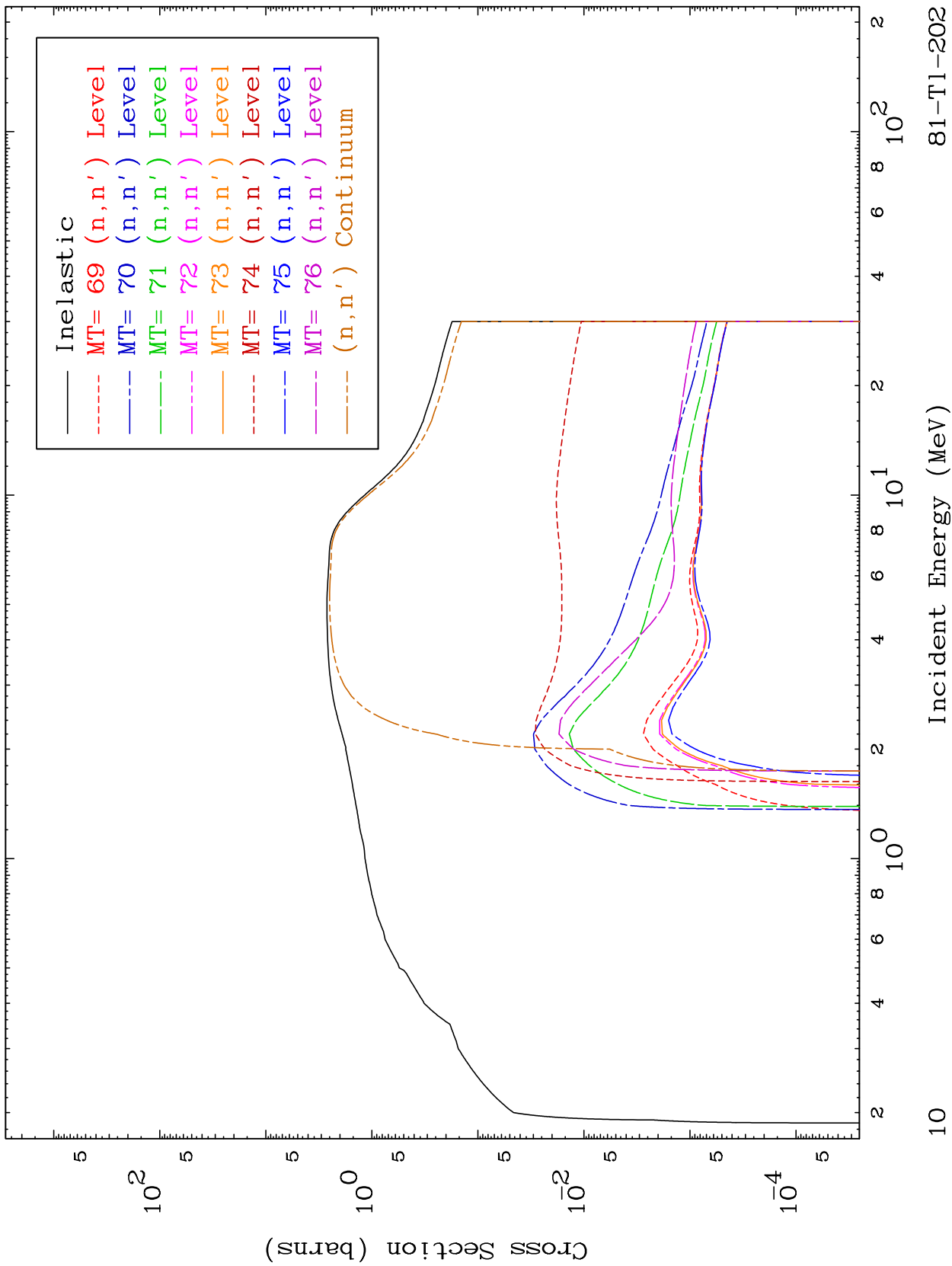
293 Kelvin Cross Sections



MAT 8122

(n,n') Levels
293 Kelvin Cross Sections

81-T1-202



10

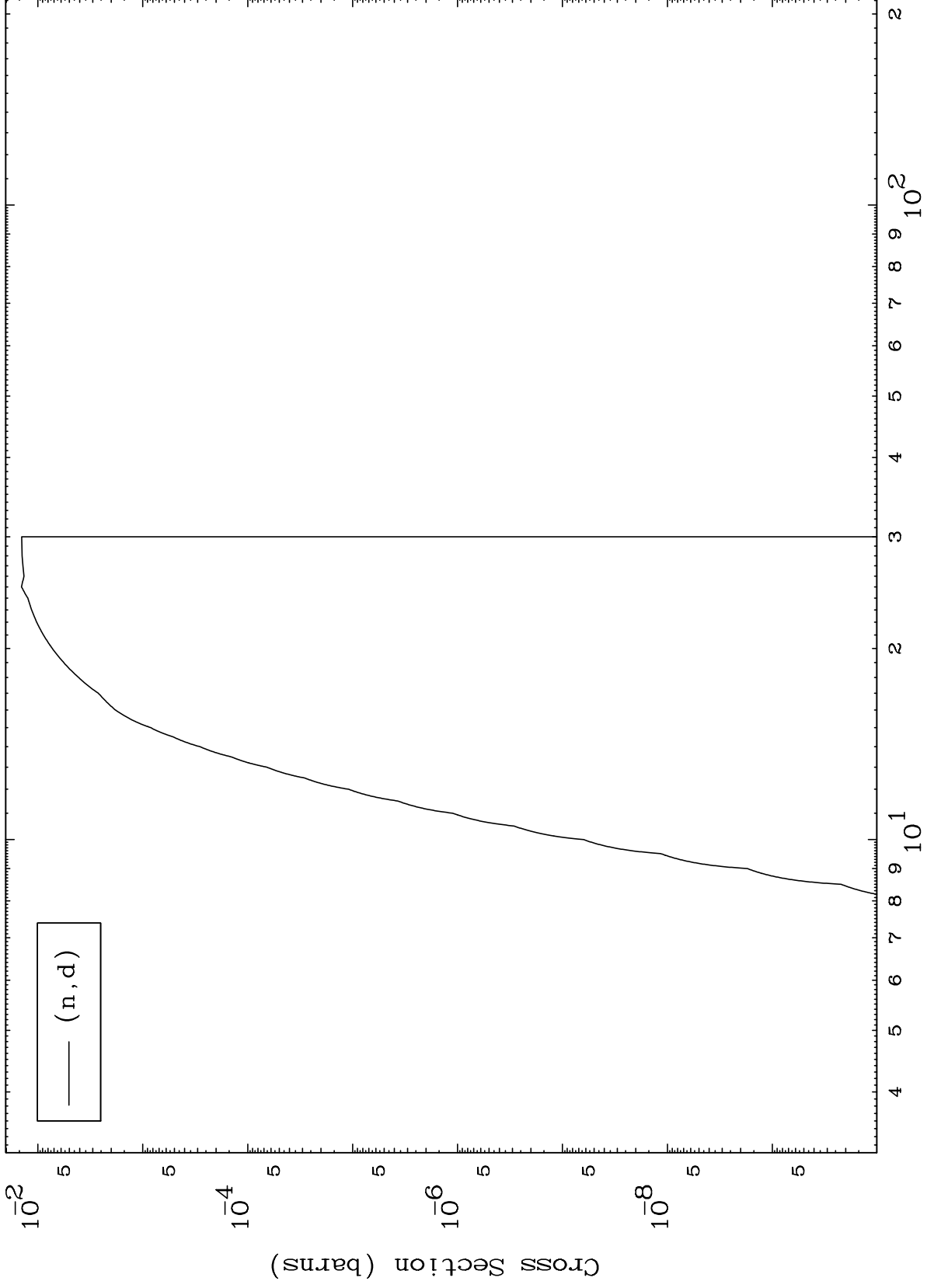
Incident Energy (MeV)

81-T1-202

MAT 8122

(n,d) Levels
293 Kelvin Cross Sections

81-T1-202



(n,d)

12

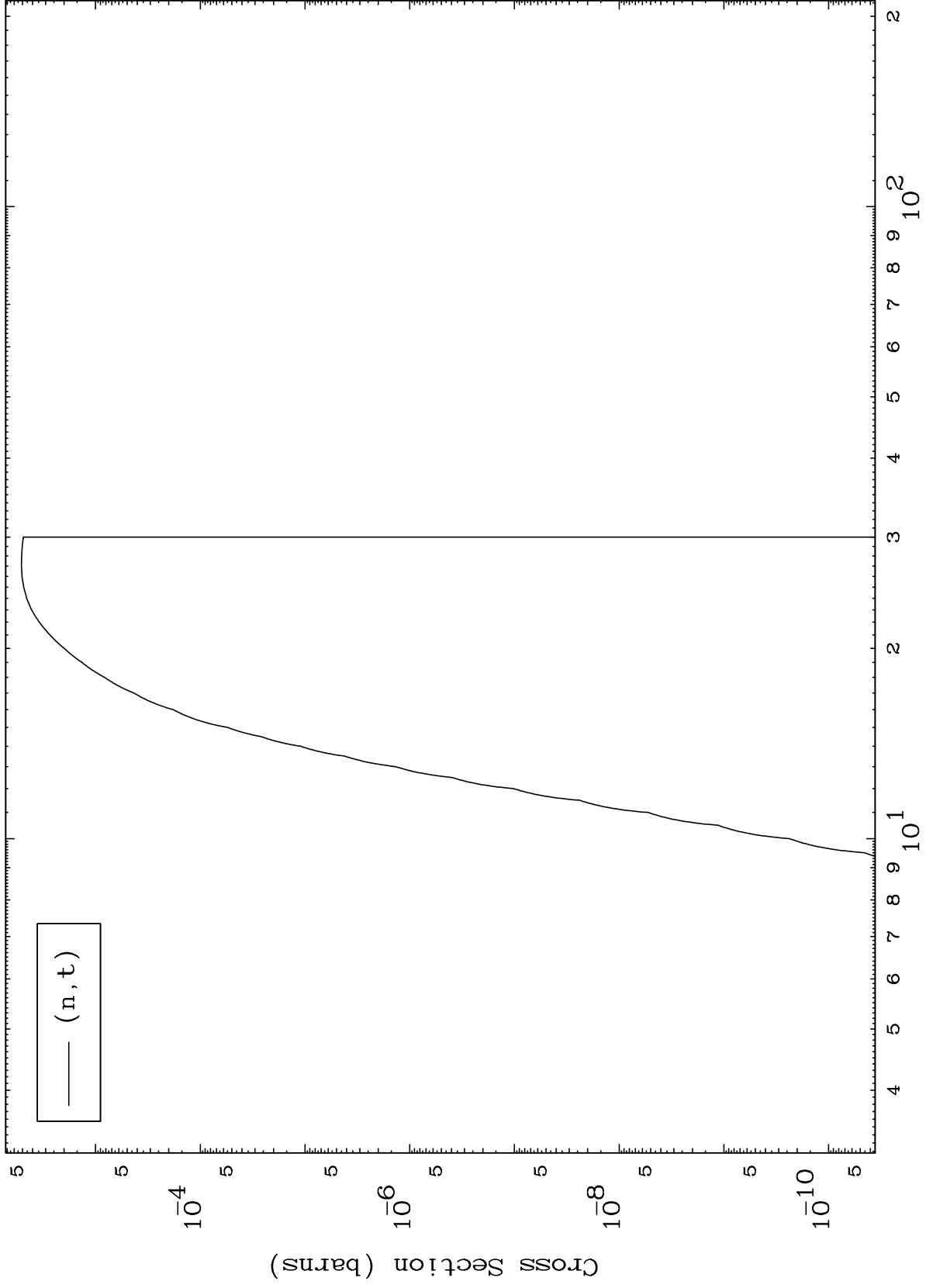
Incident Energy (MeV)

81-T1-202

MAT 8122

(n,t) Levels
293 Kelvin Cross Sections

81-T1-202



13

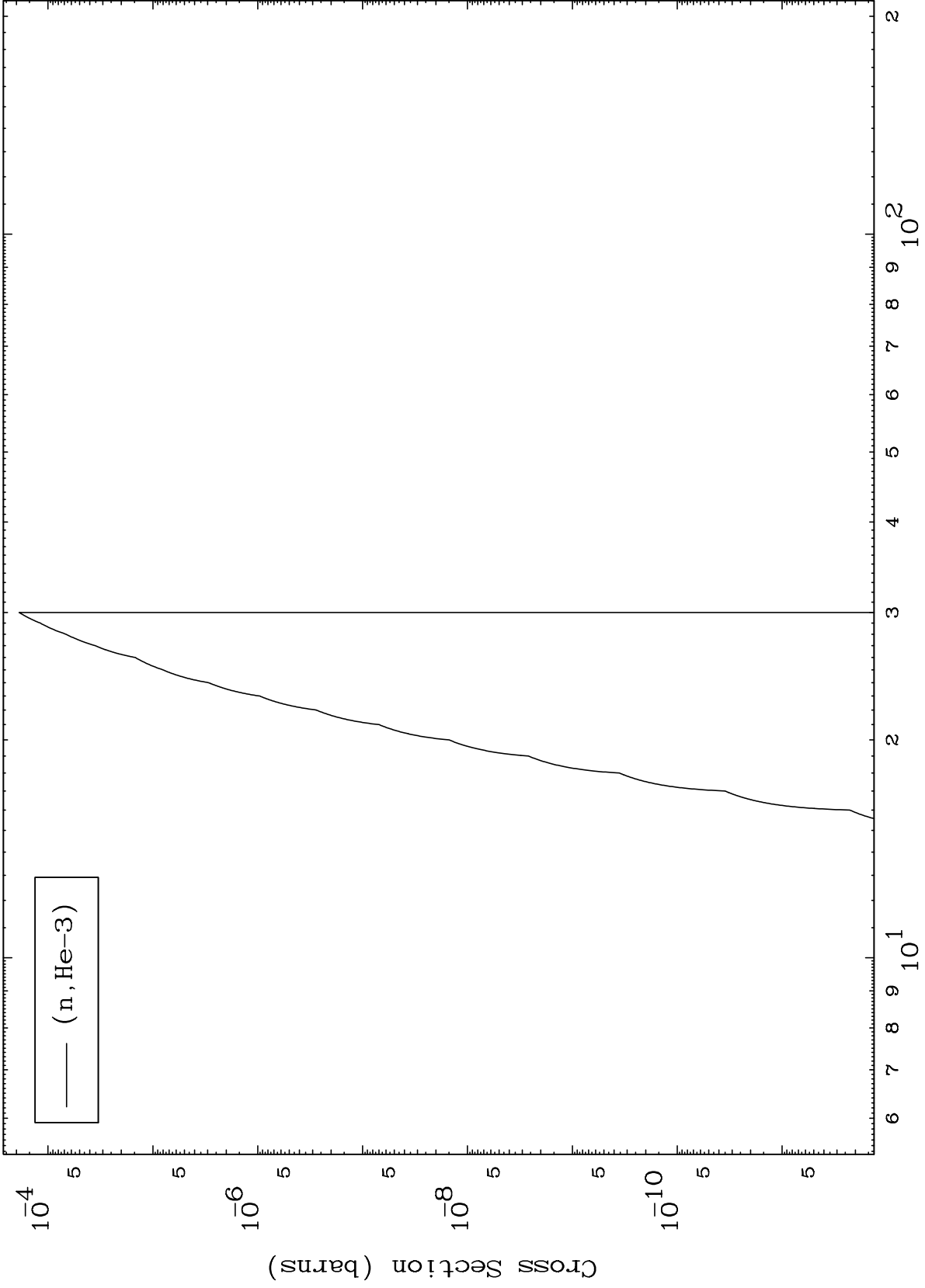
Incident Energy (MeV)

81-T1-202

MAT 8122

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-202



14

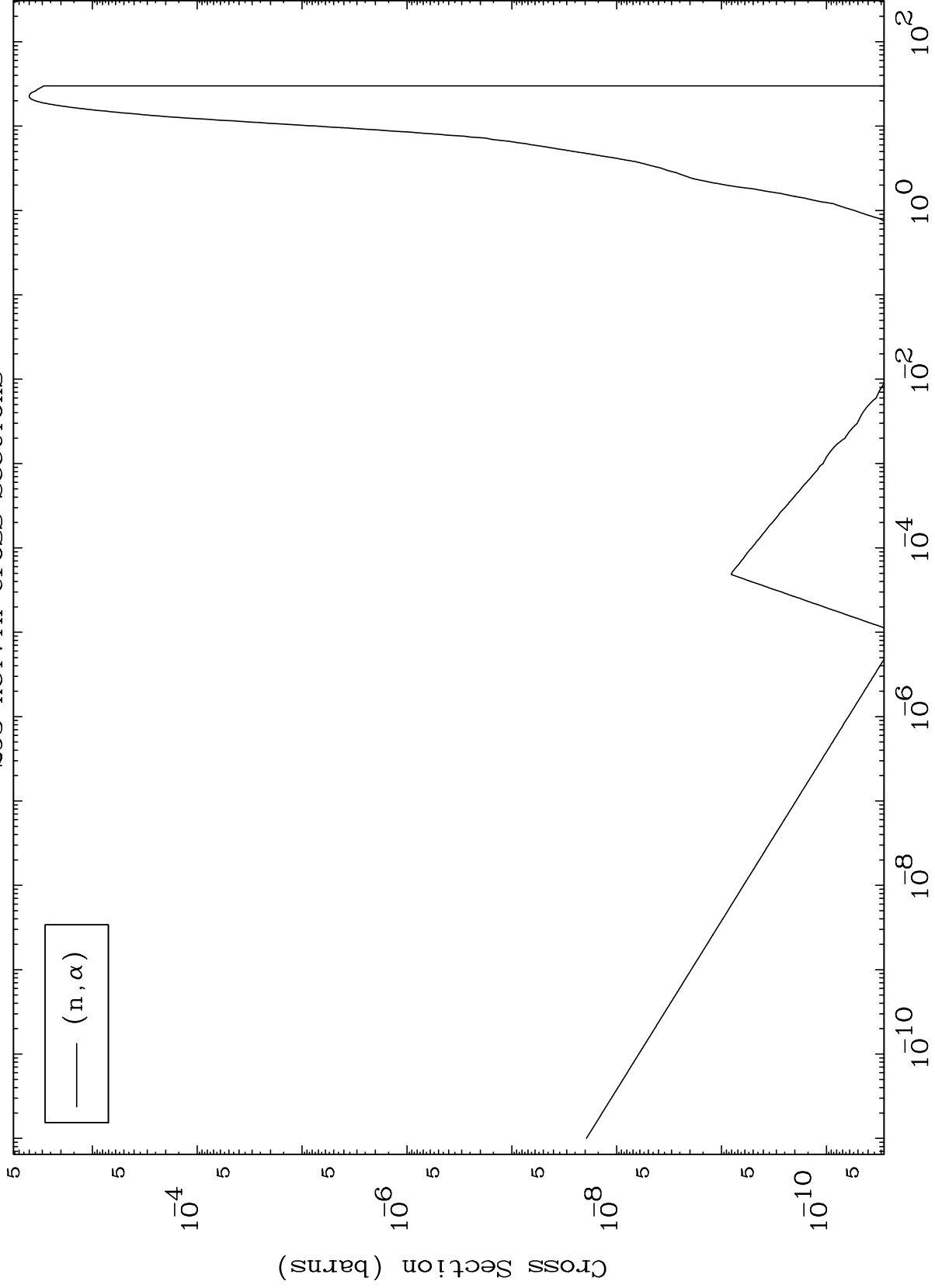
Incident Energy (MeV)

81-T1-202

MAT 8122

(n, α) Levels
293 Kelvin Cross Sections

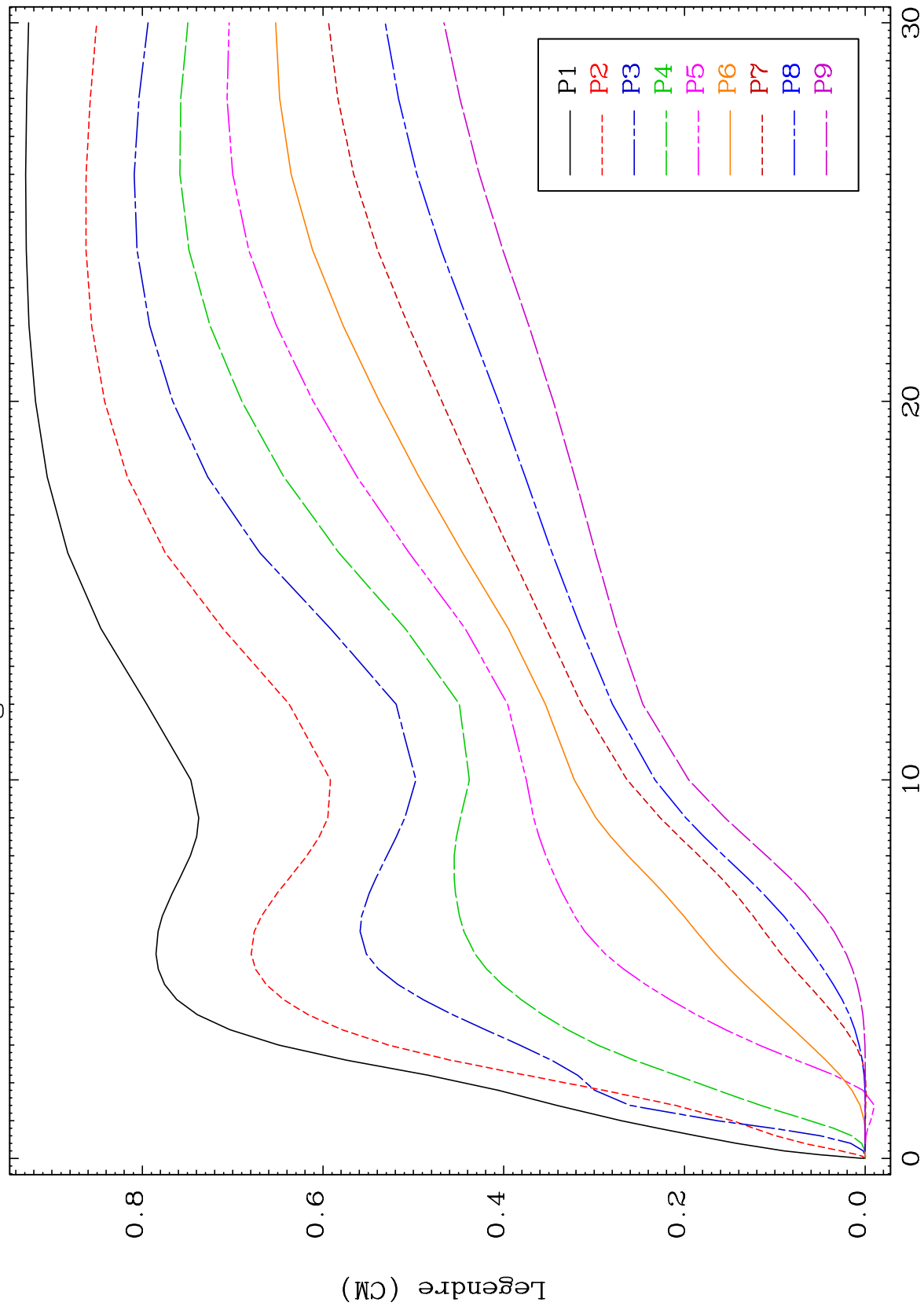
81-Tl-202



MAT 8122

Elastic Legendre Coefficients

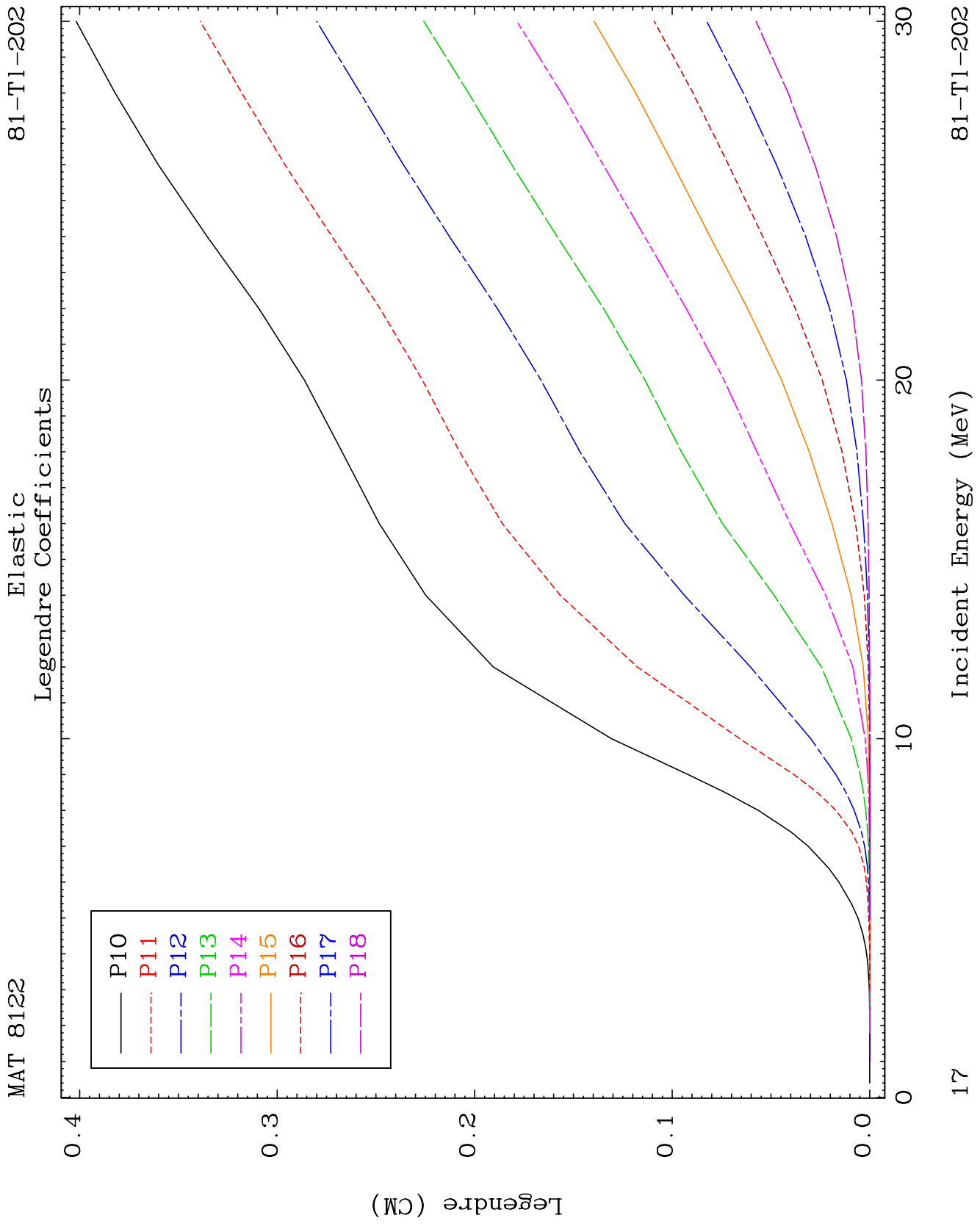
81-T1-202



16

Incident Energy (MeV)

81-T1-202



81-T1-202

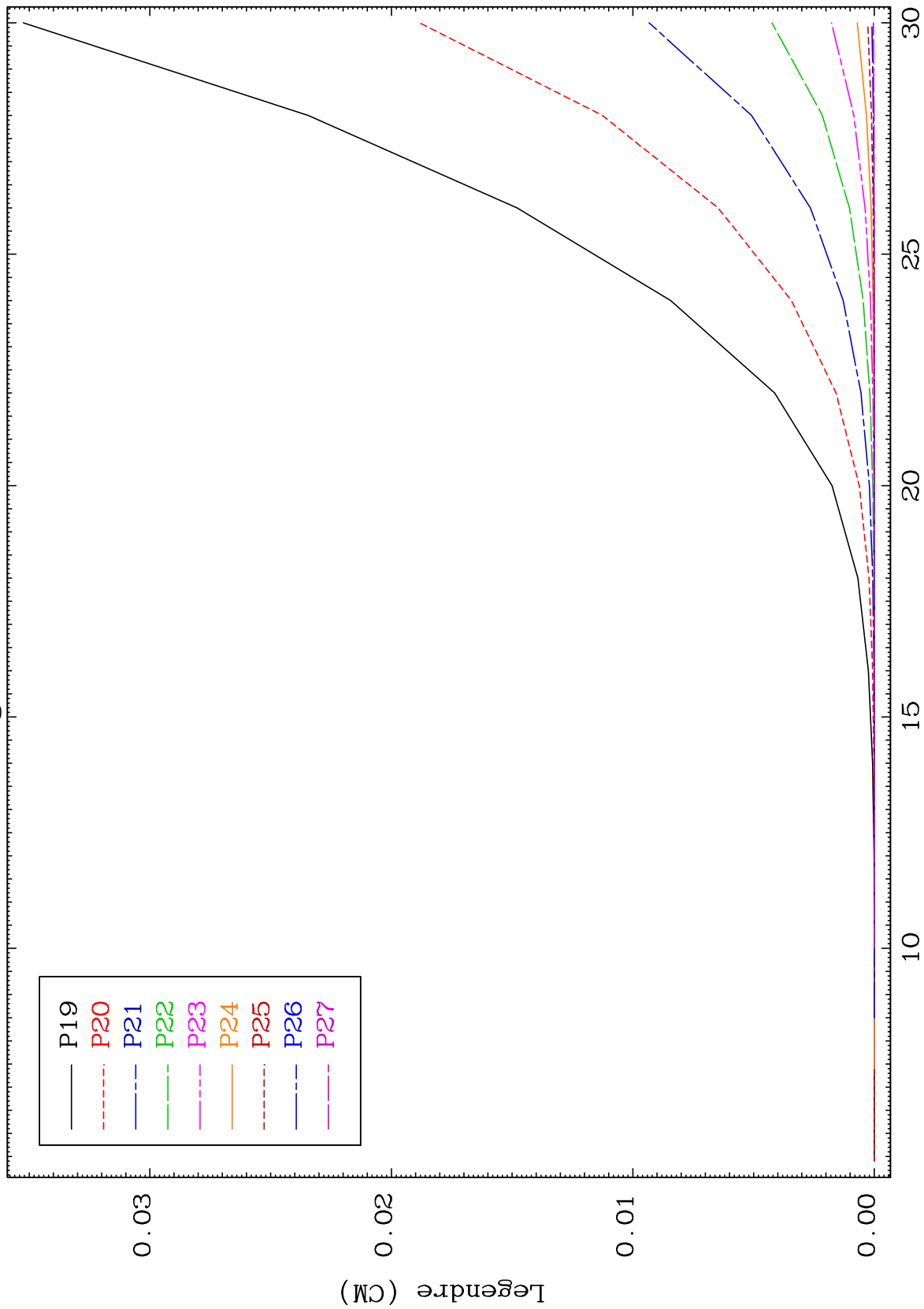
81-T1-202

17

MAT 8122

Elastic Legendre Coefficients

81-T1-202



18

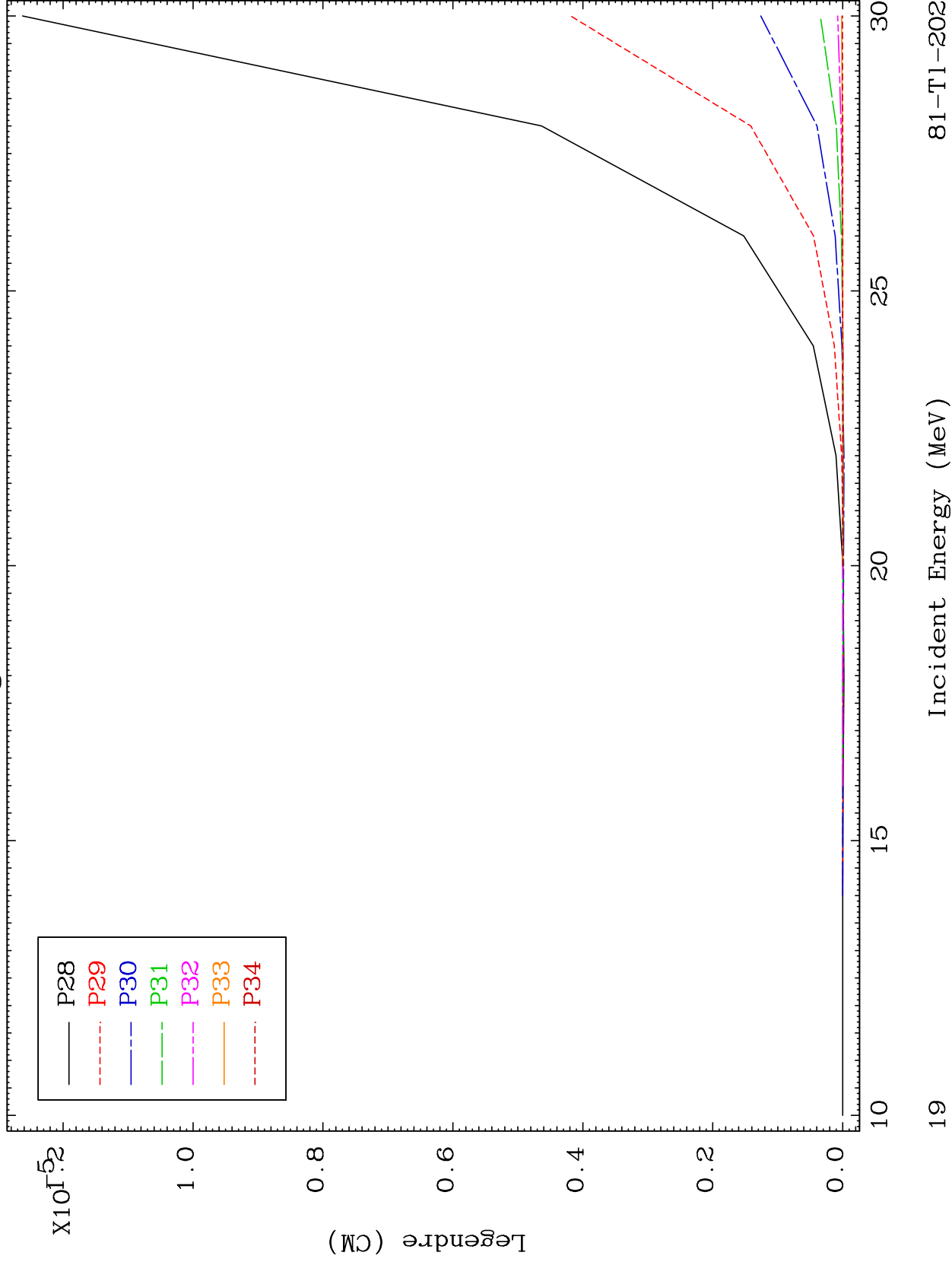
Incident Energy (MeV)

81-T1-202

MAT 8122

Elastic Legendre Coefficients

81-T1-202



19

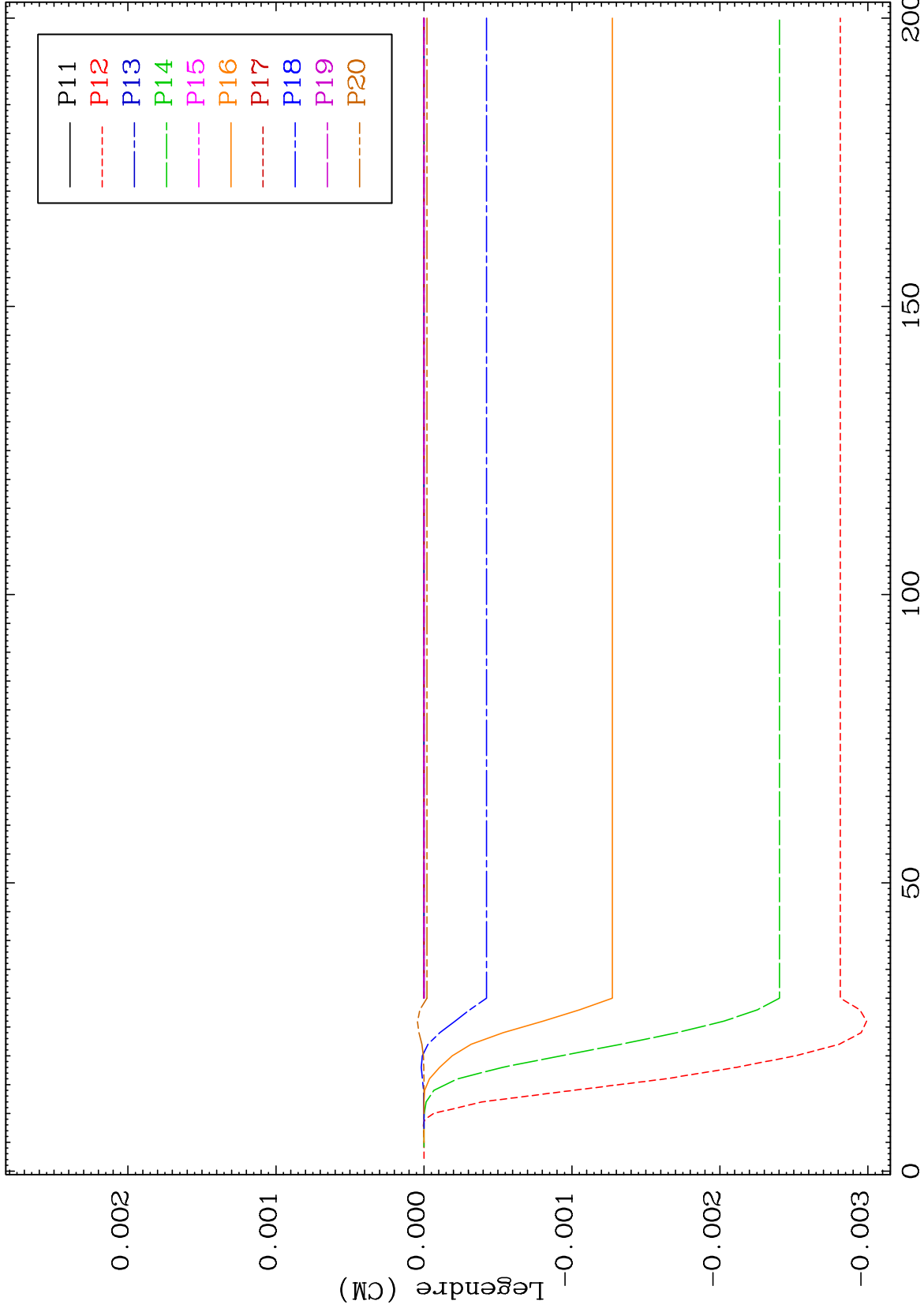
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



21

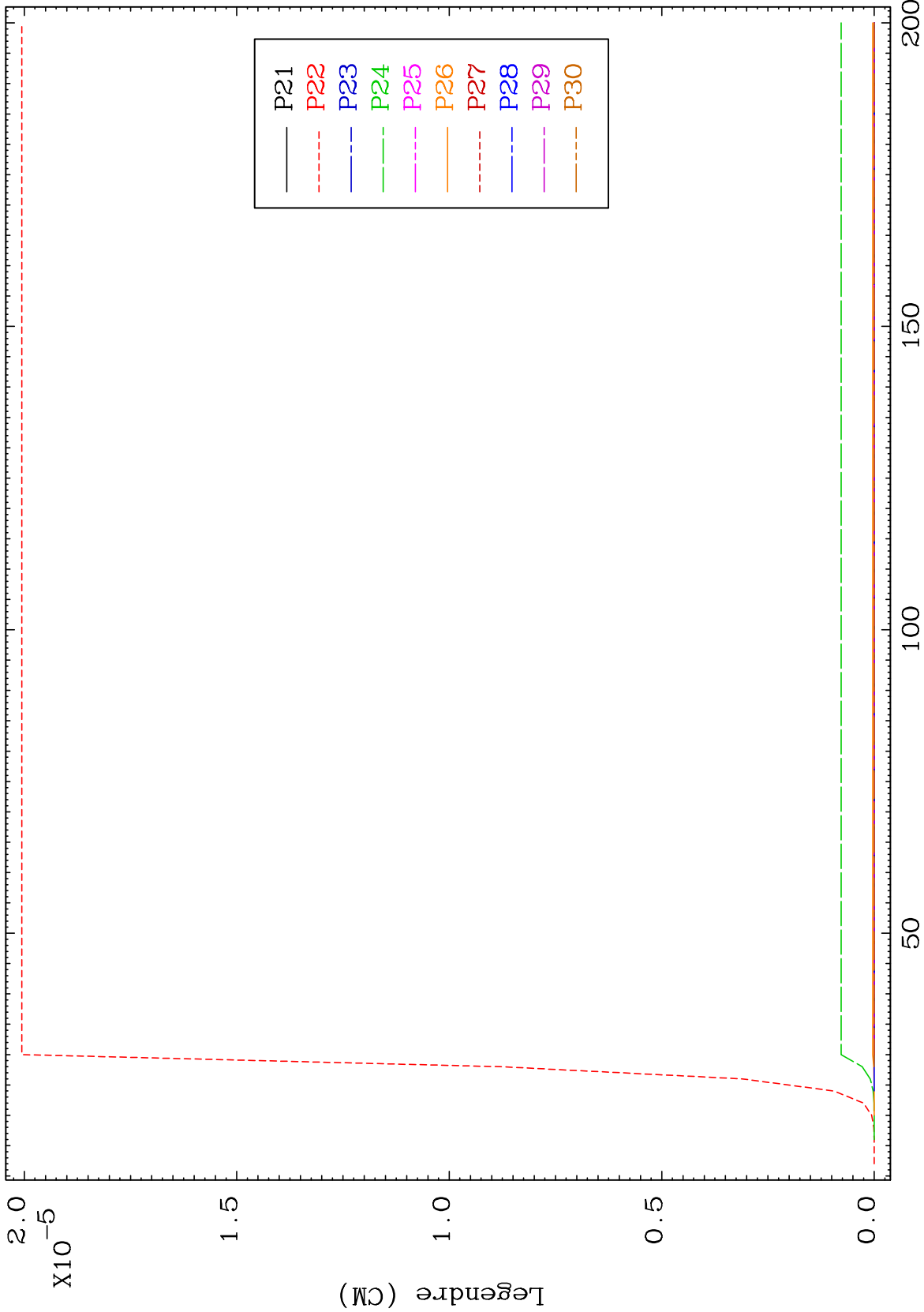
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



22

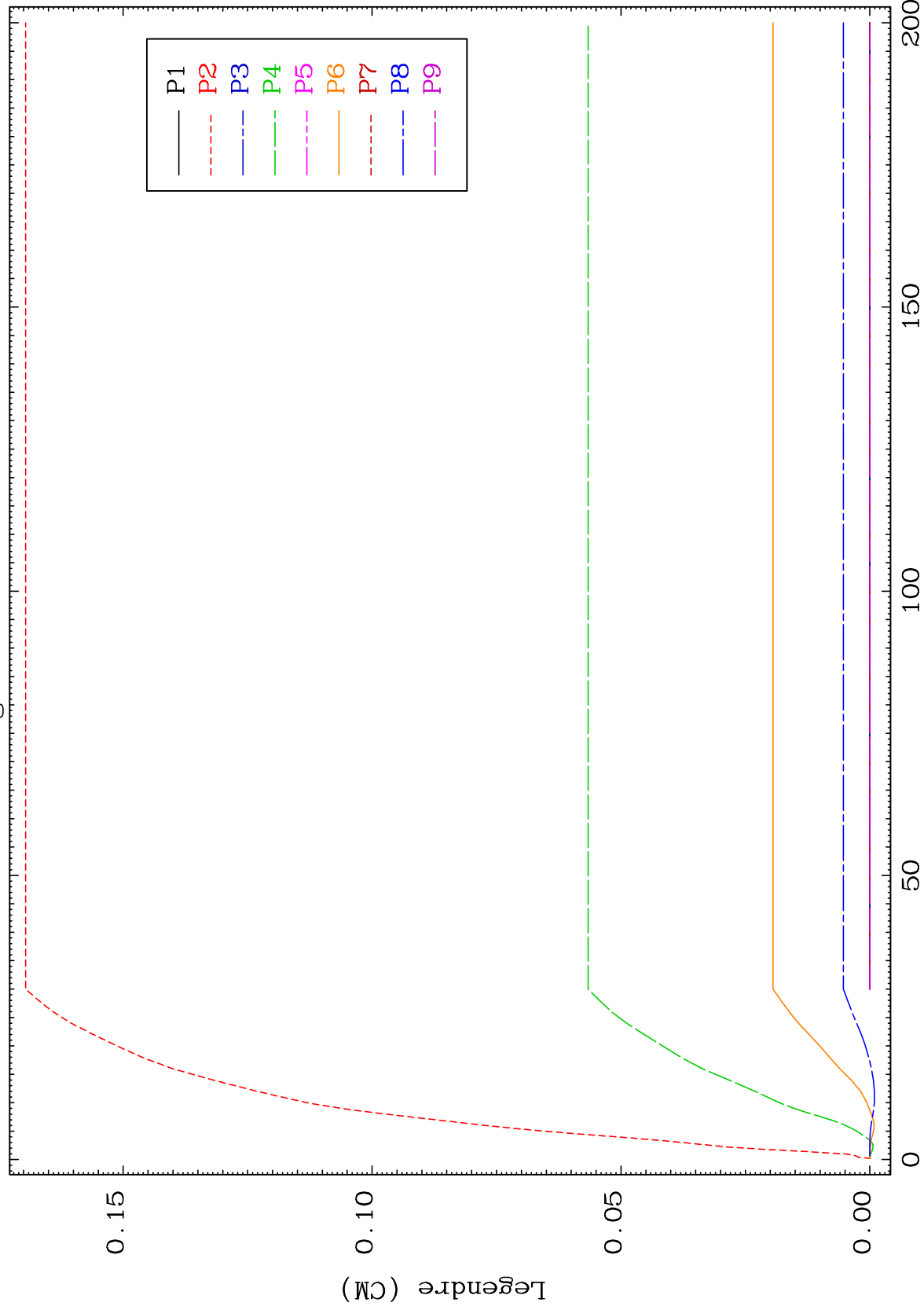
Incident Energy (MeV)

81-T1-202

MAT 8122

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

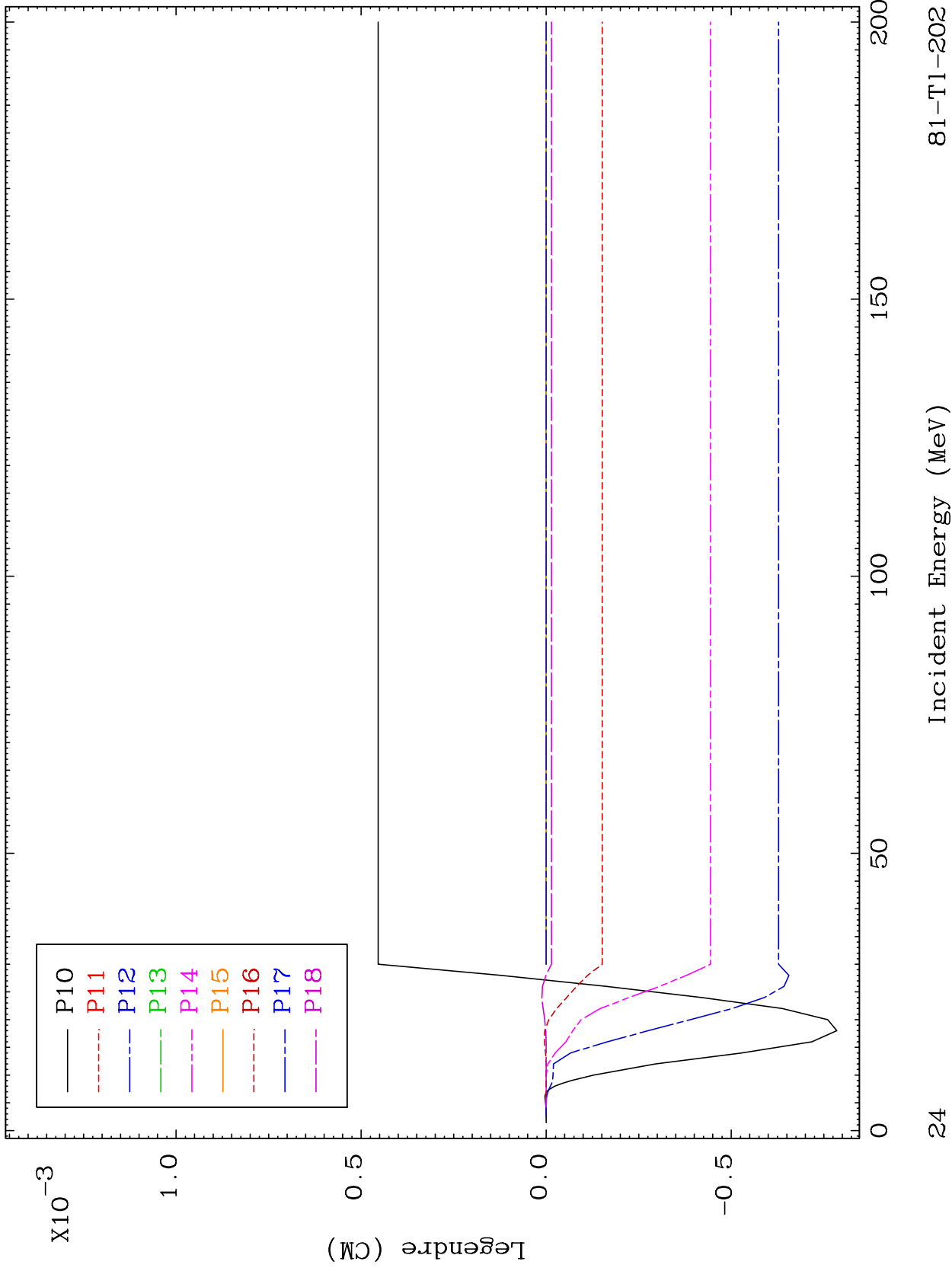
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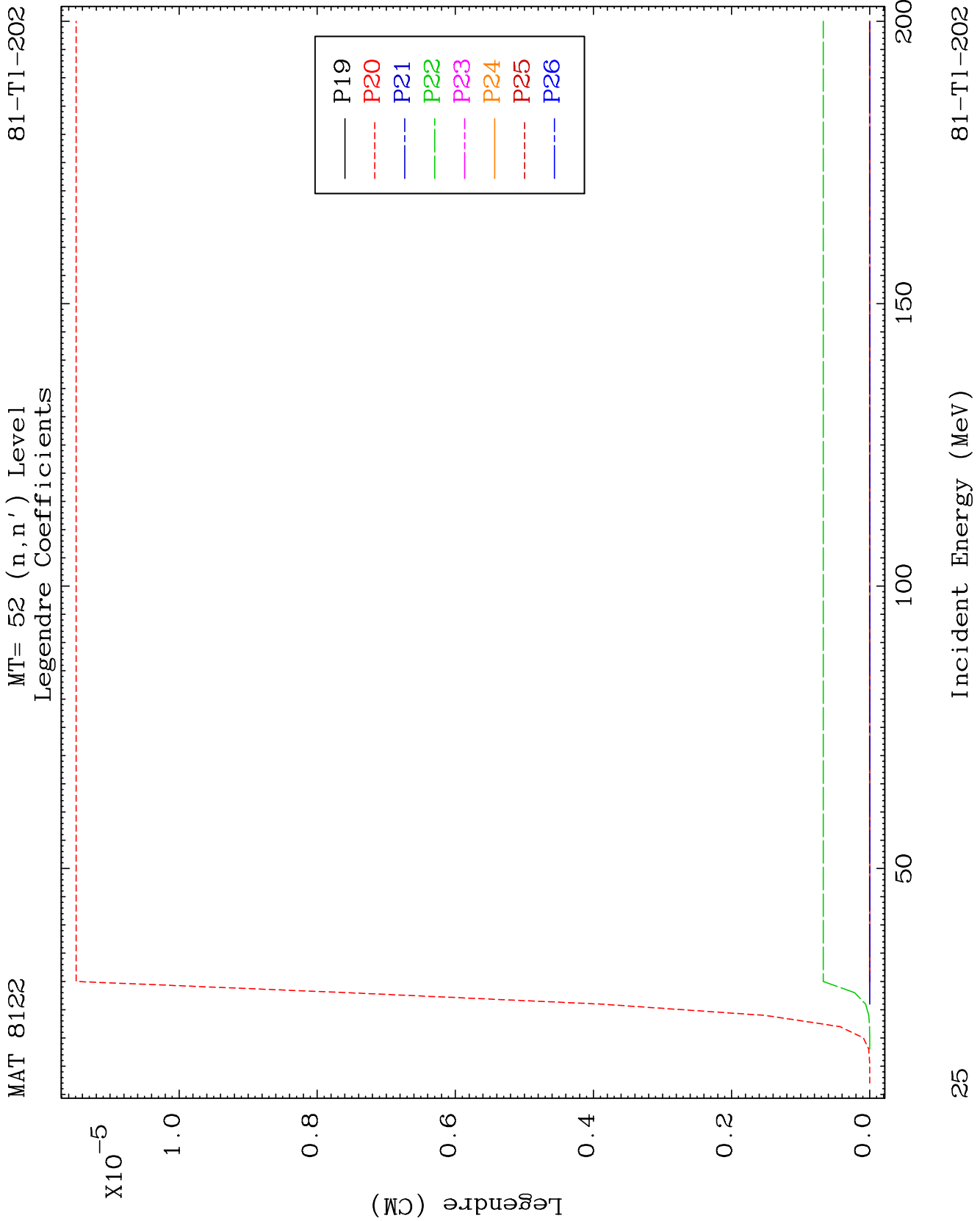


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Incident Energy (MeV)

81-T1-202

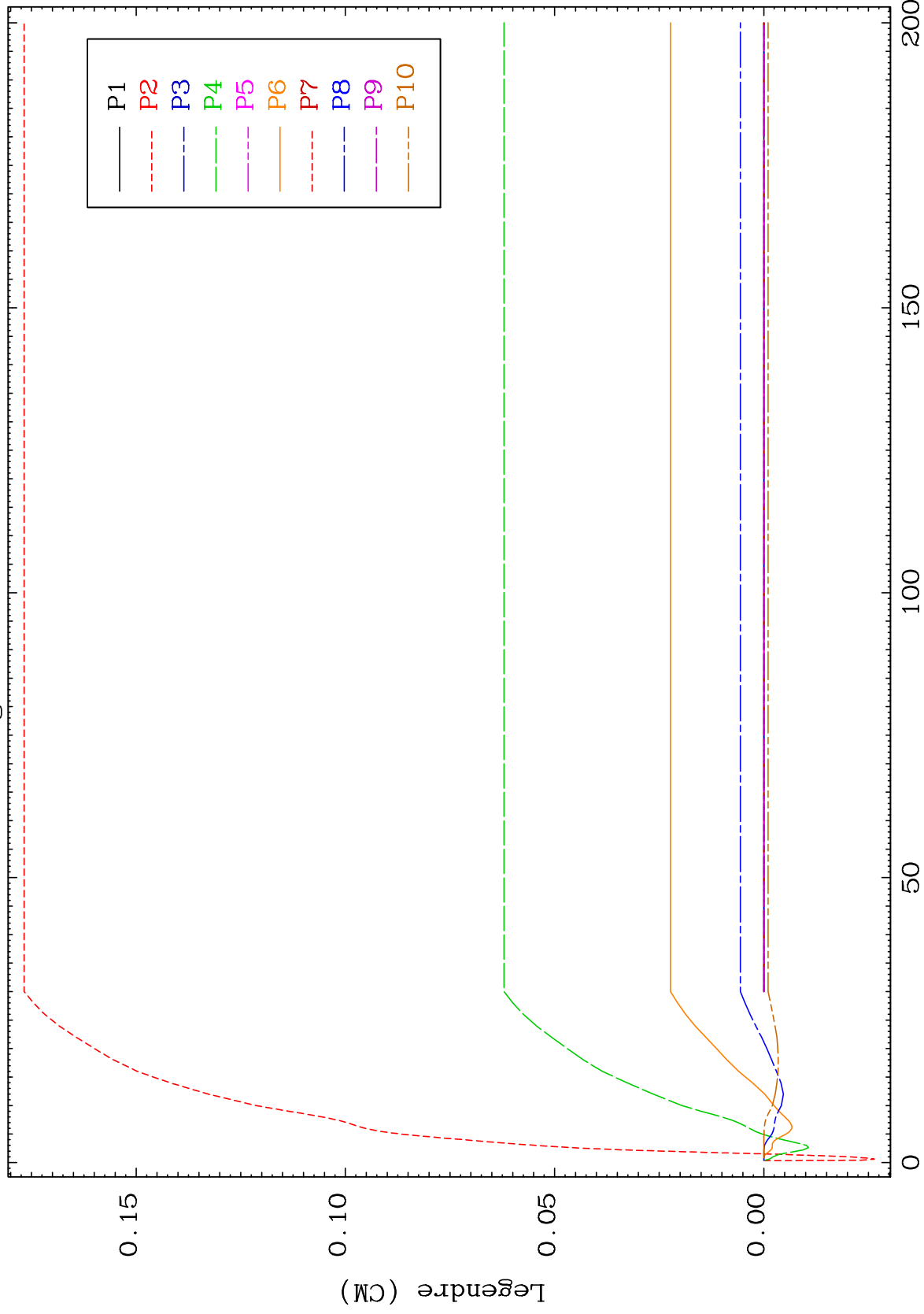




MAT 8122

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

81-T1-202



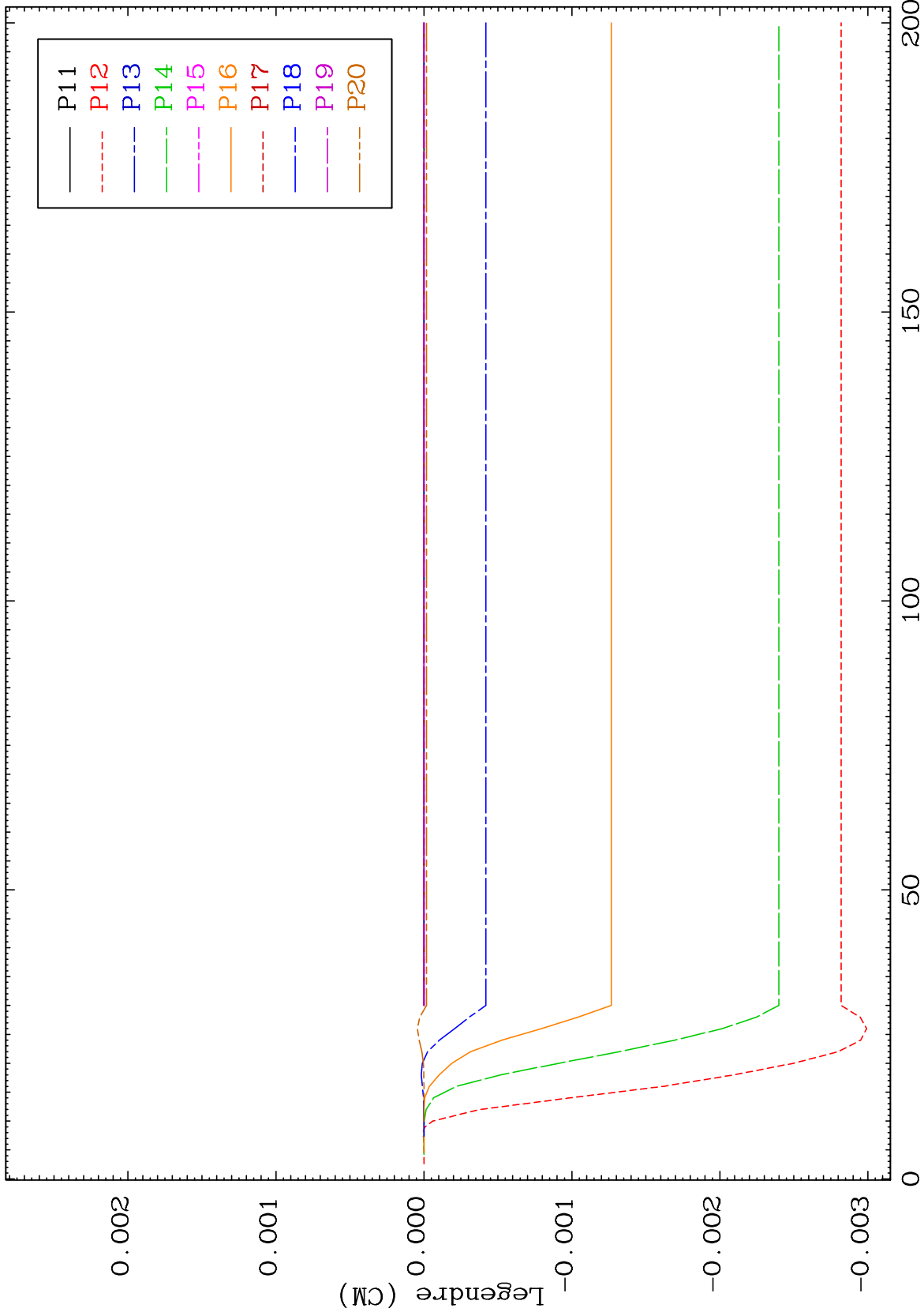
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81-T1-202

MAT 8122

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

81-T1-202



27

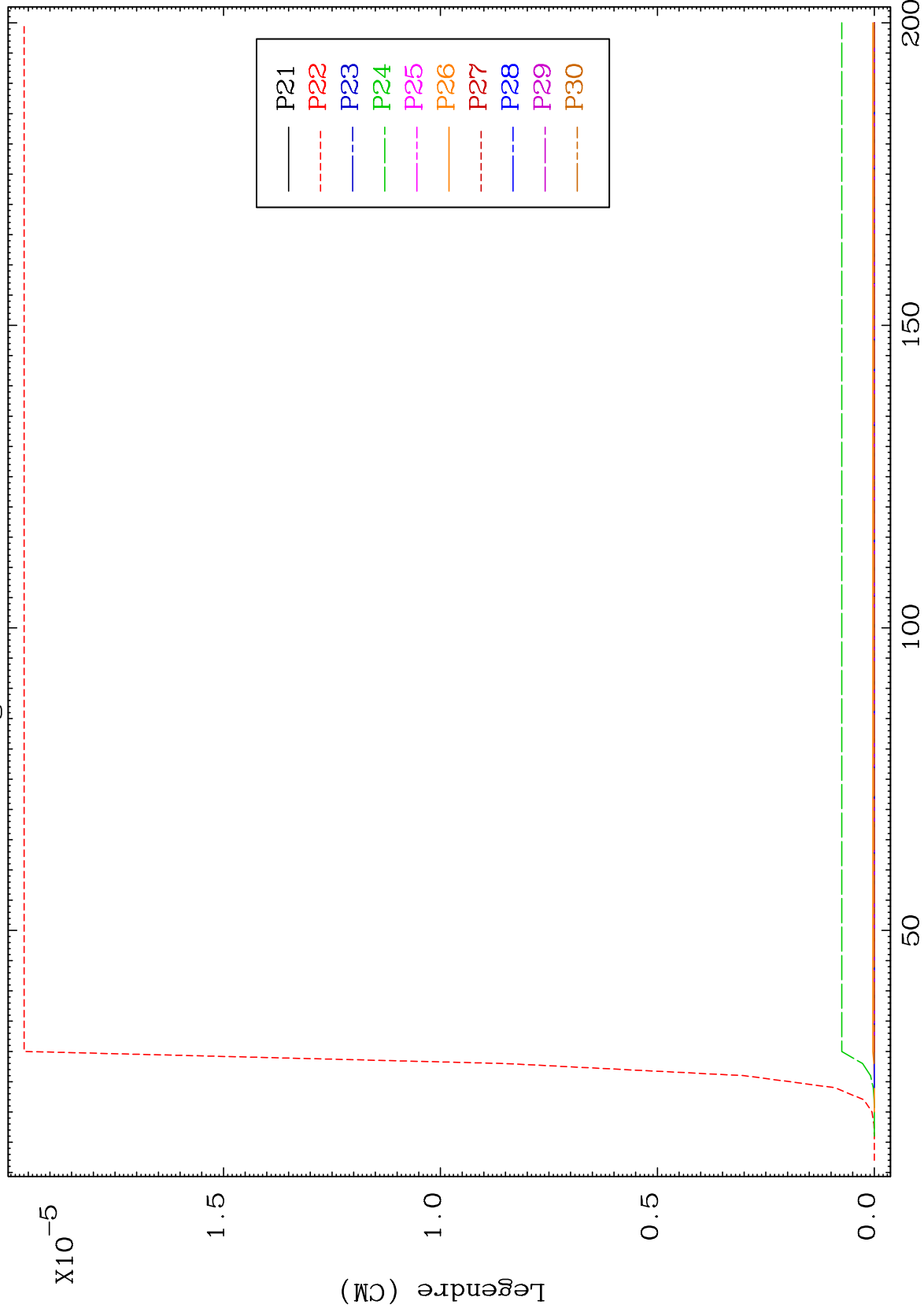
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



28

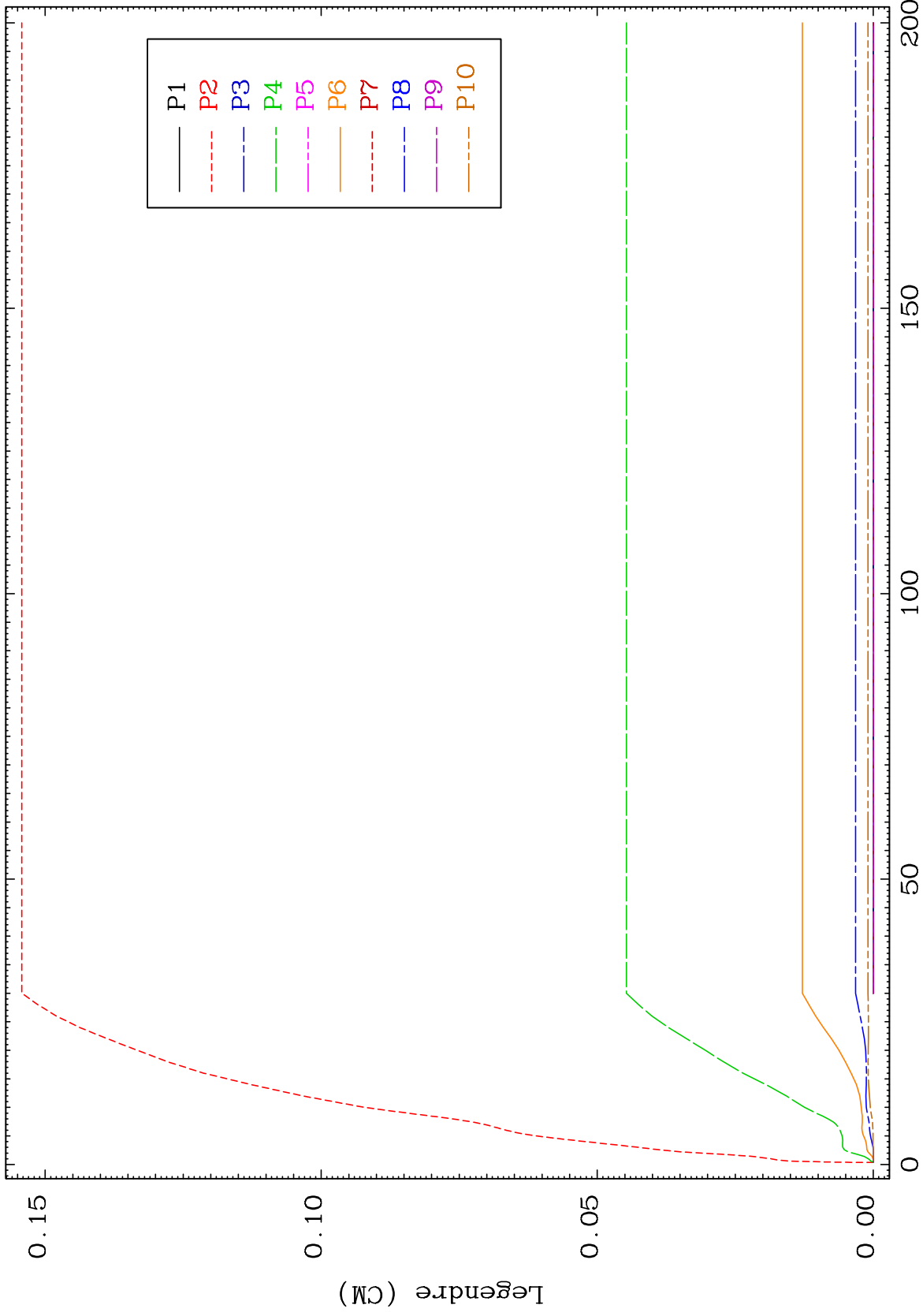
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



29

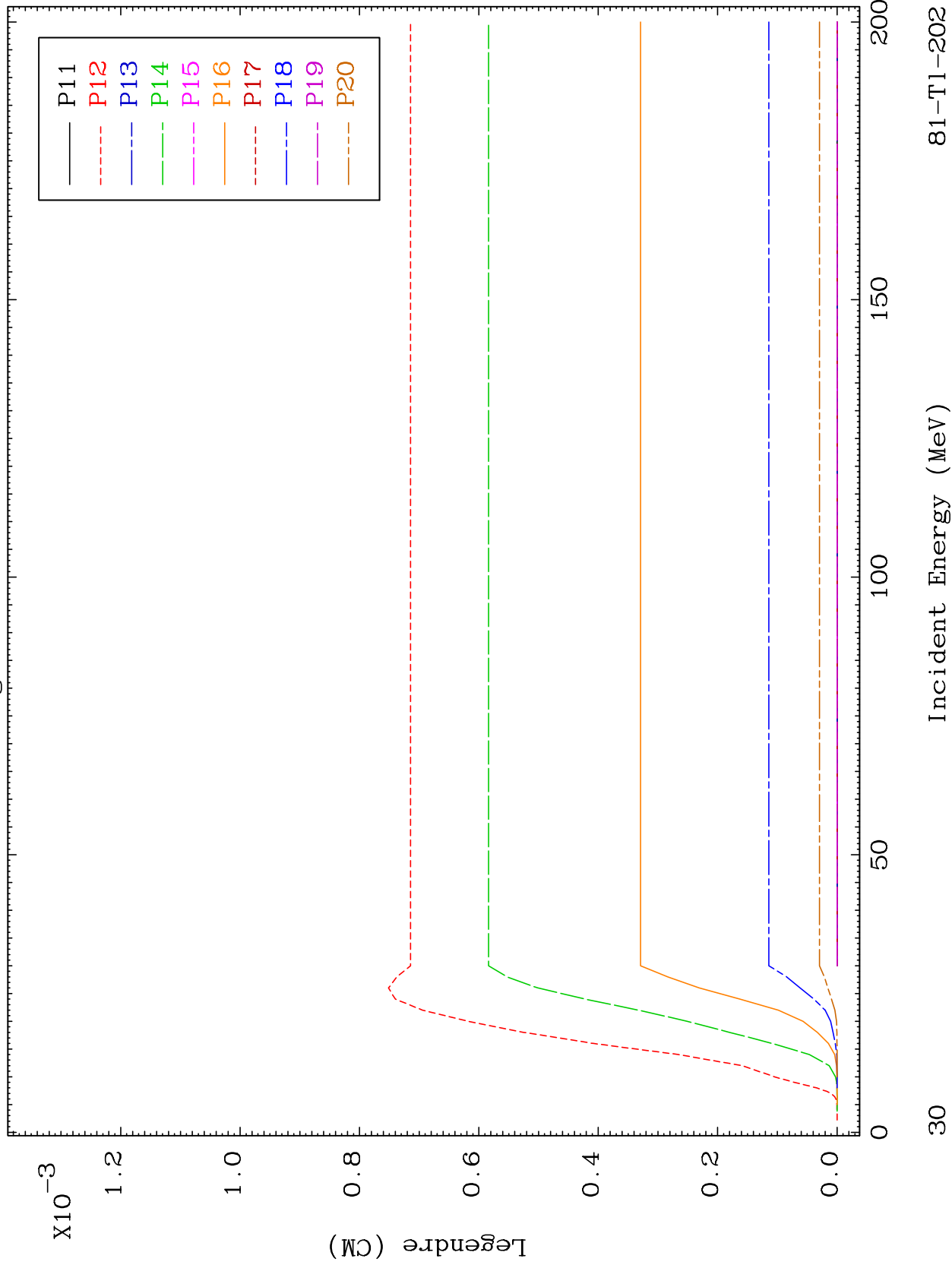
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202

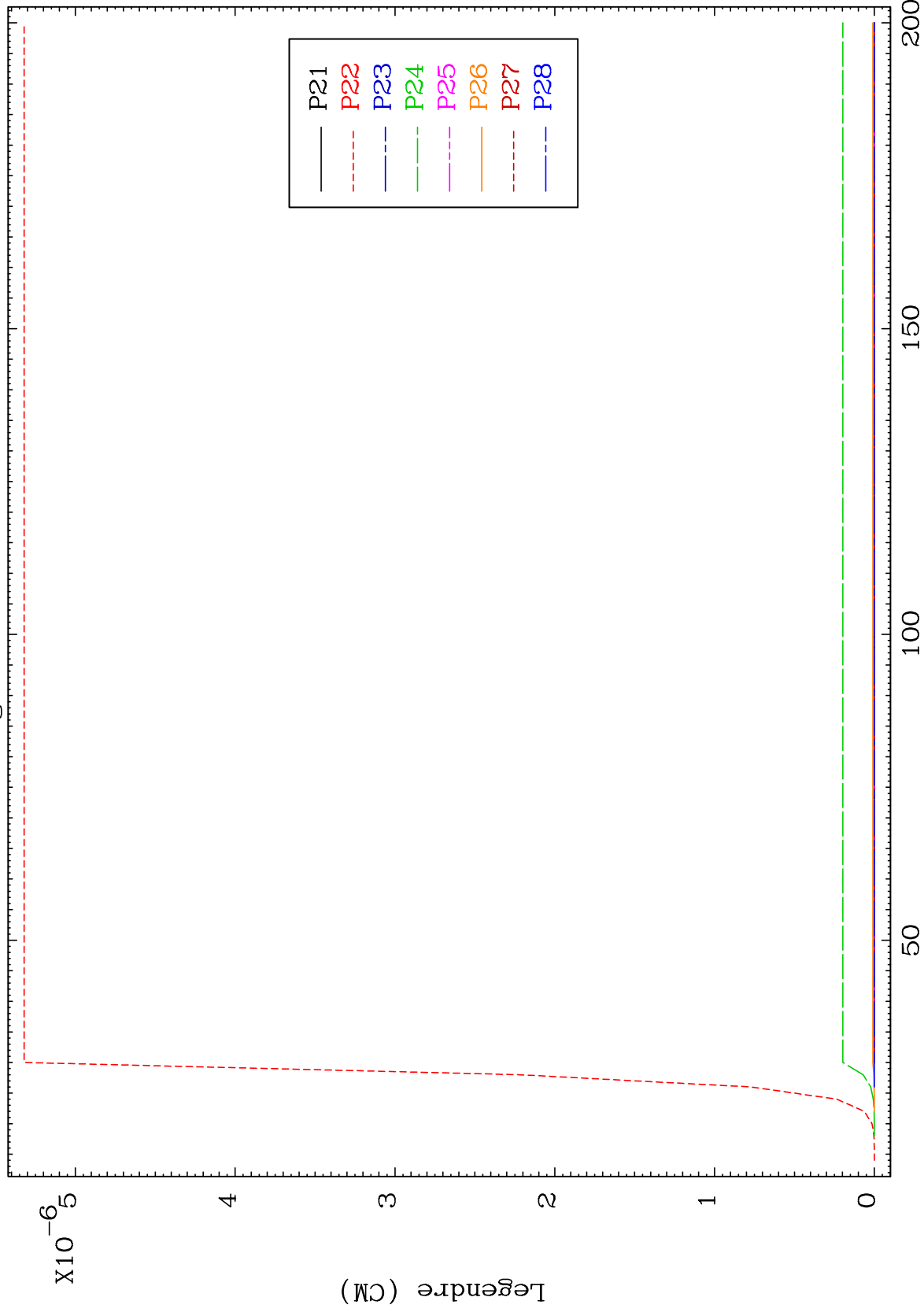


81-T1-202

MAT 8122

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

81-T1-202



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Incident Energy (MeV)

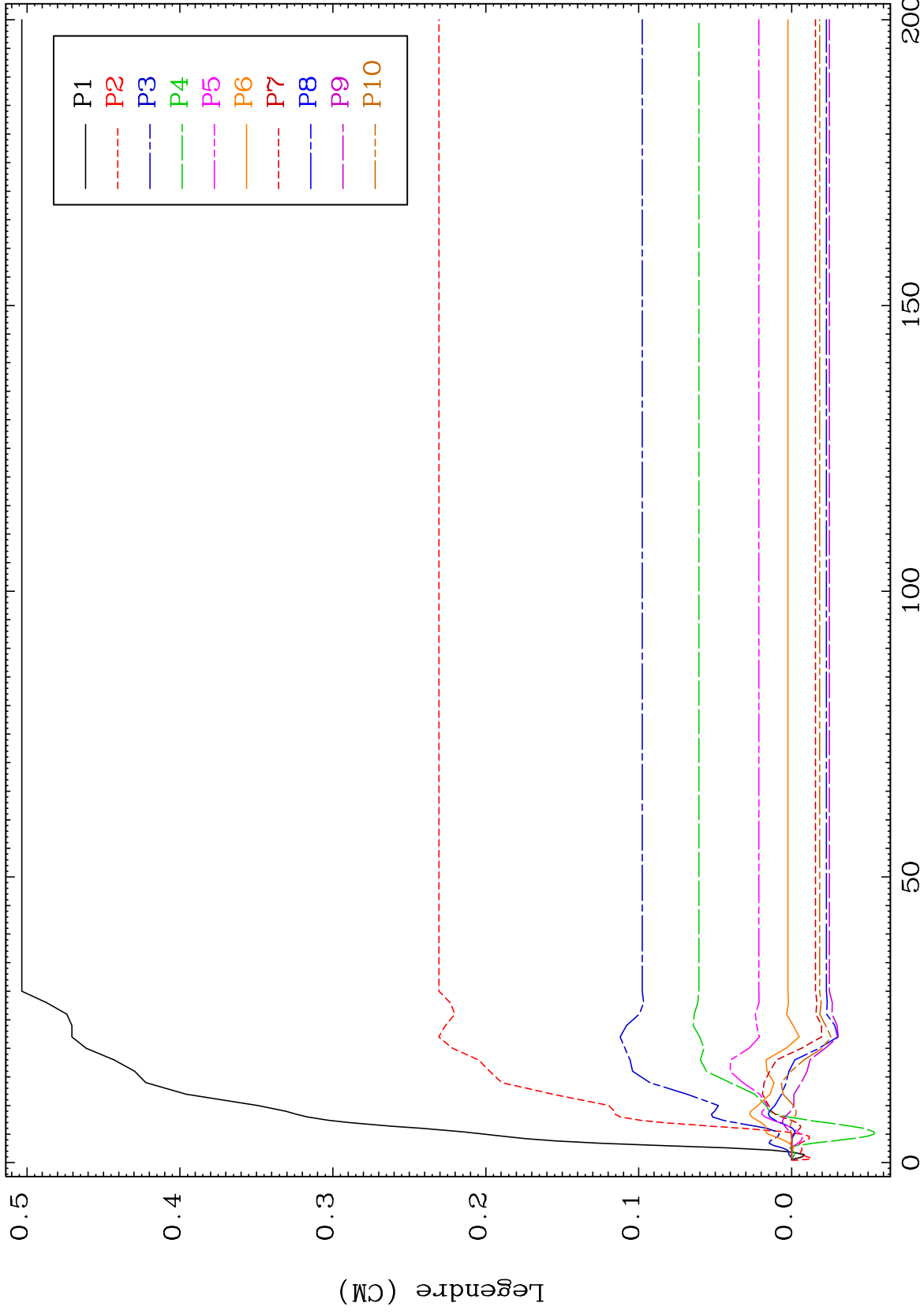
81-T1-202

MAT 8122

MT= 55 (n,n') Level

81-T1-202

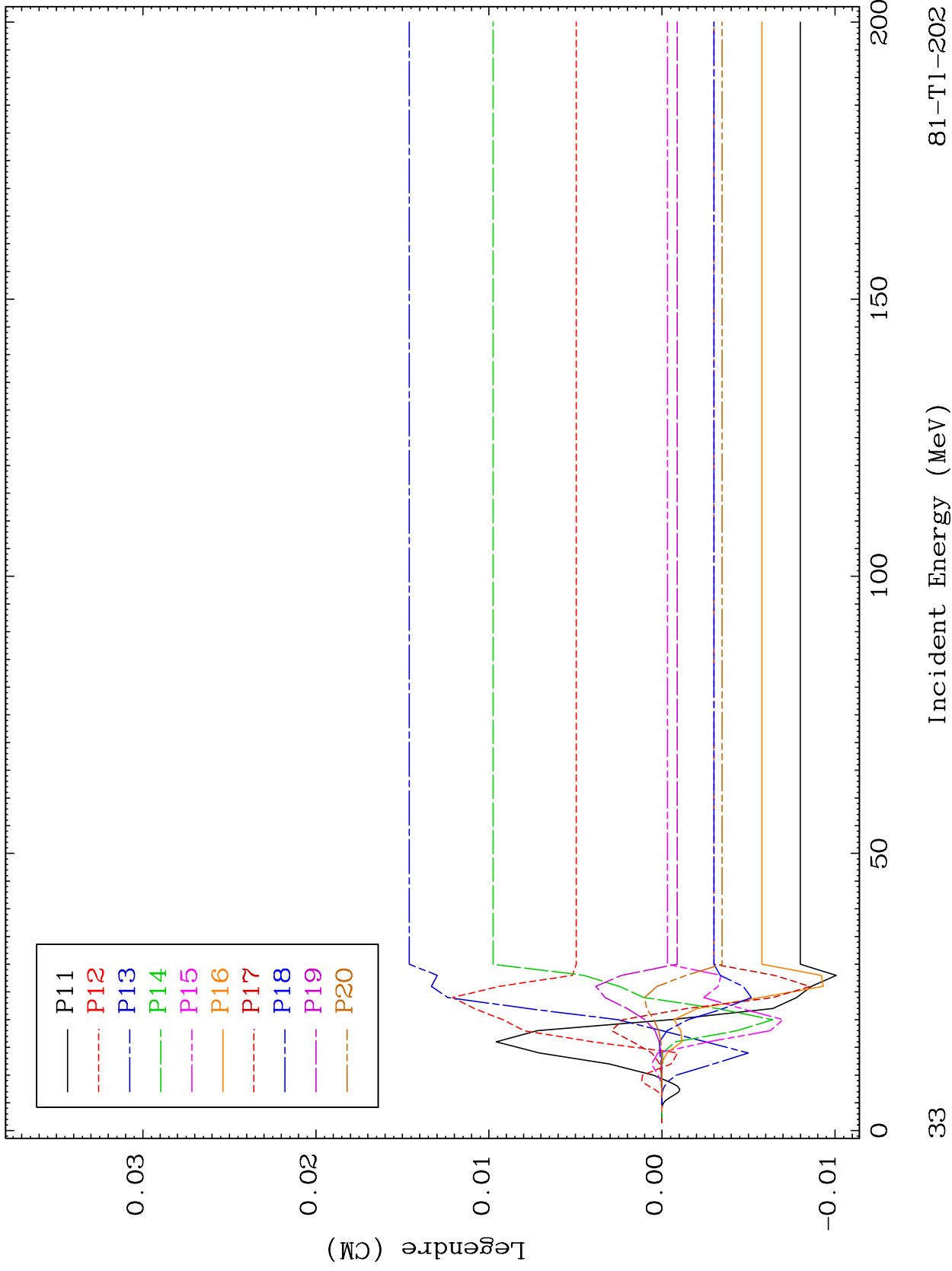
Legendre Coefficients



Incident Energy (MeV)

81-T1-202

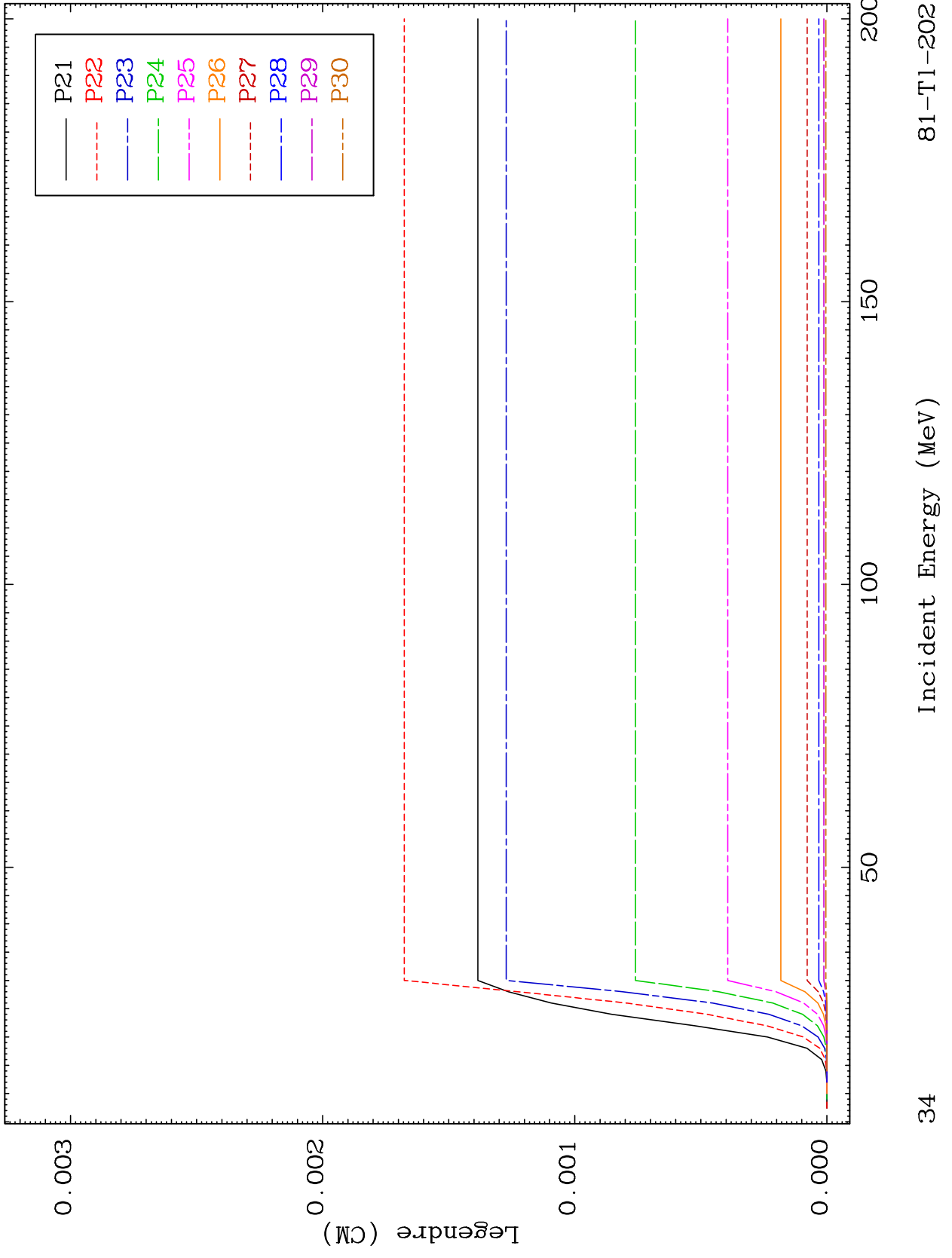
32



MAT 8122

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

81-T1-202



34

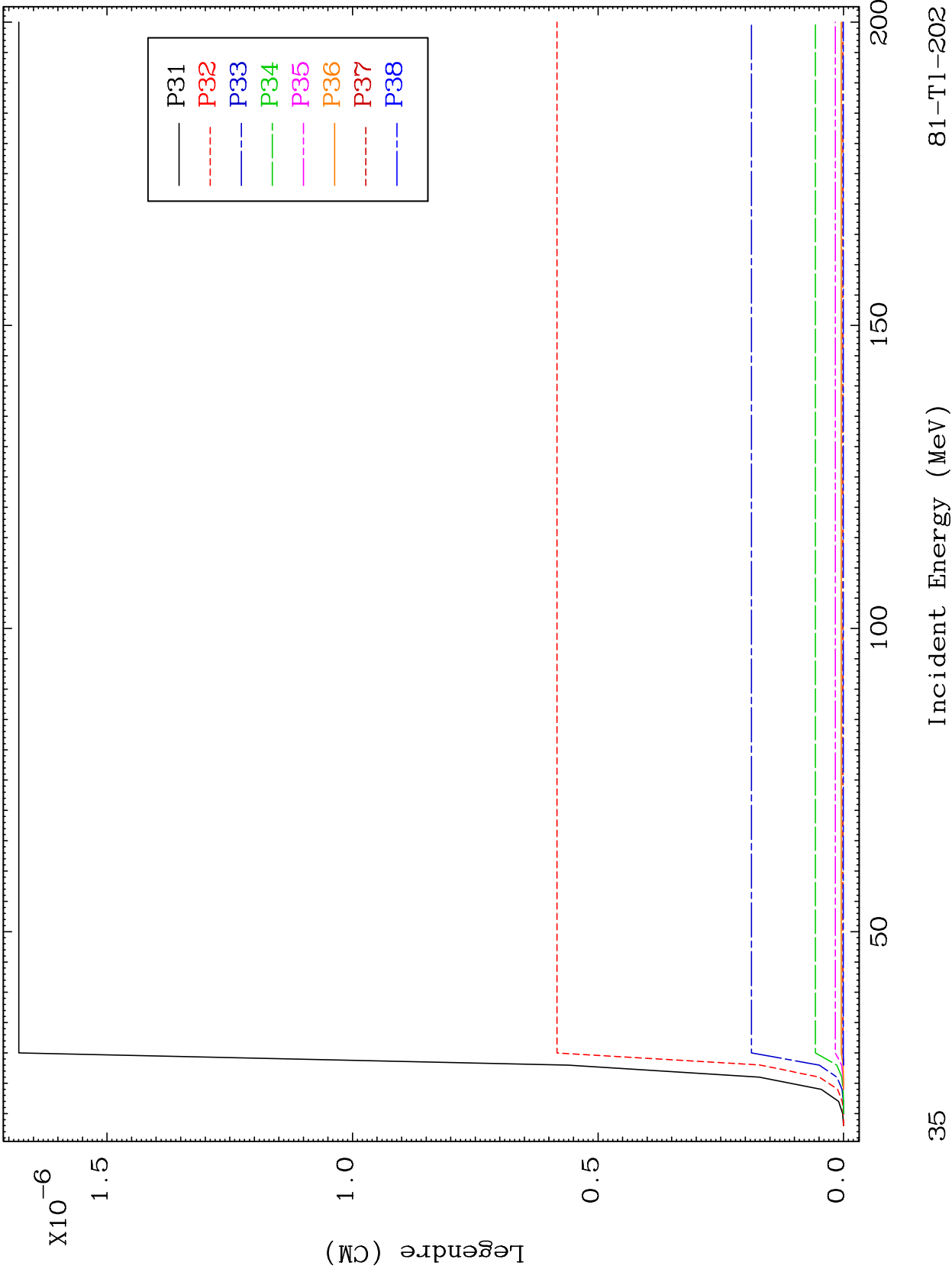
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



35

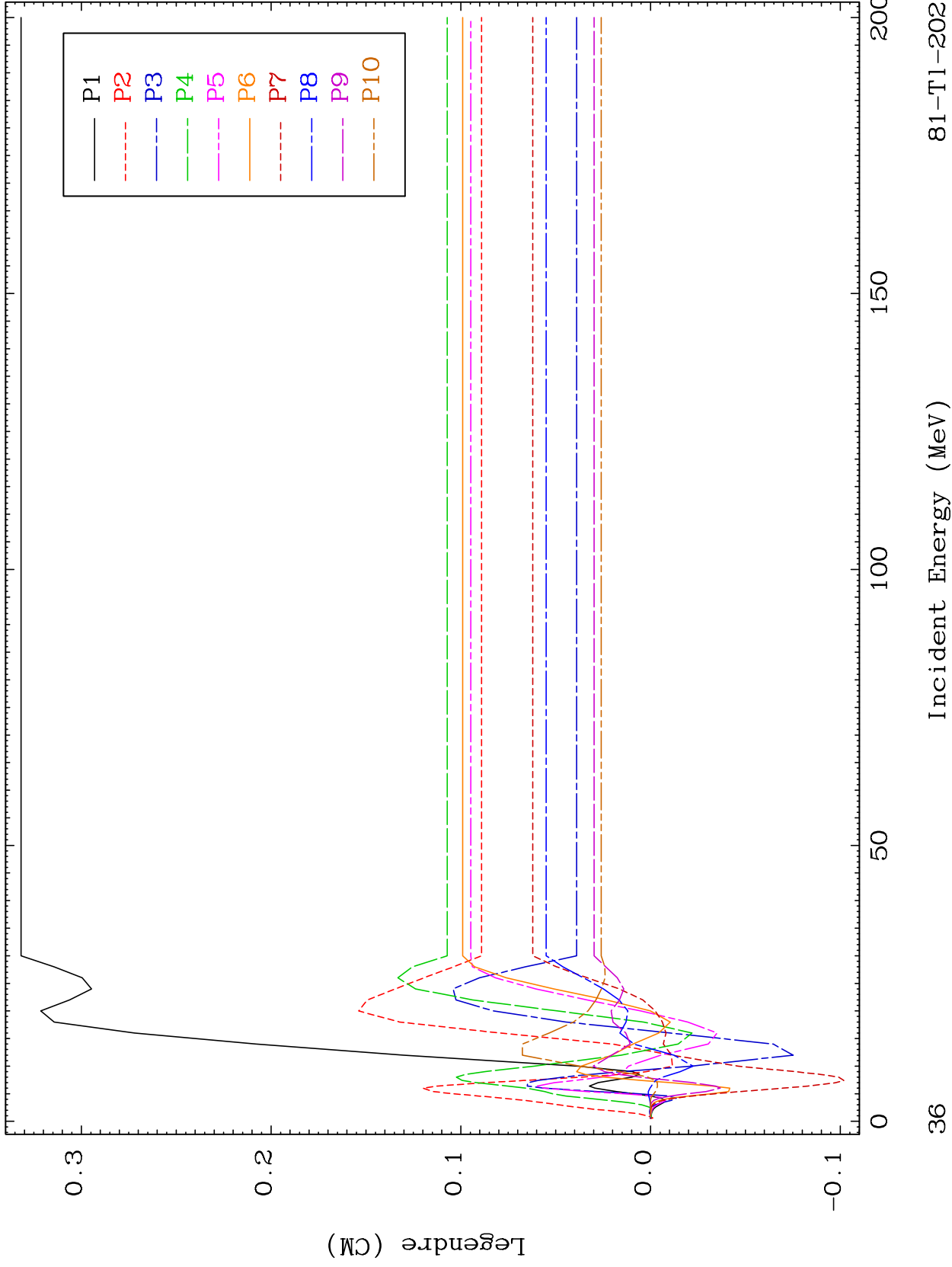
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



81-T1-202

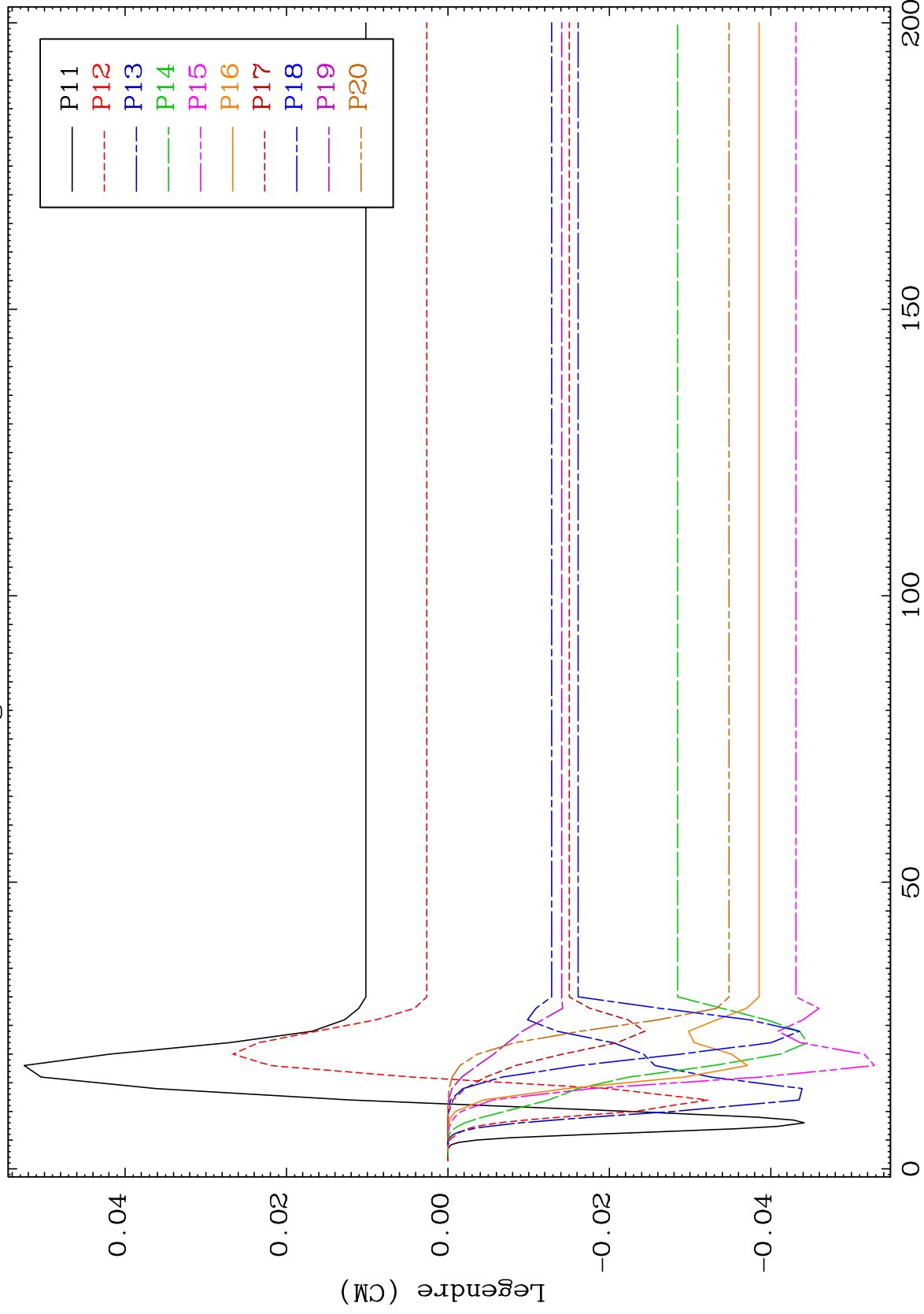
Incident Energy (MeV)

36

MAT 8122

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

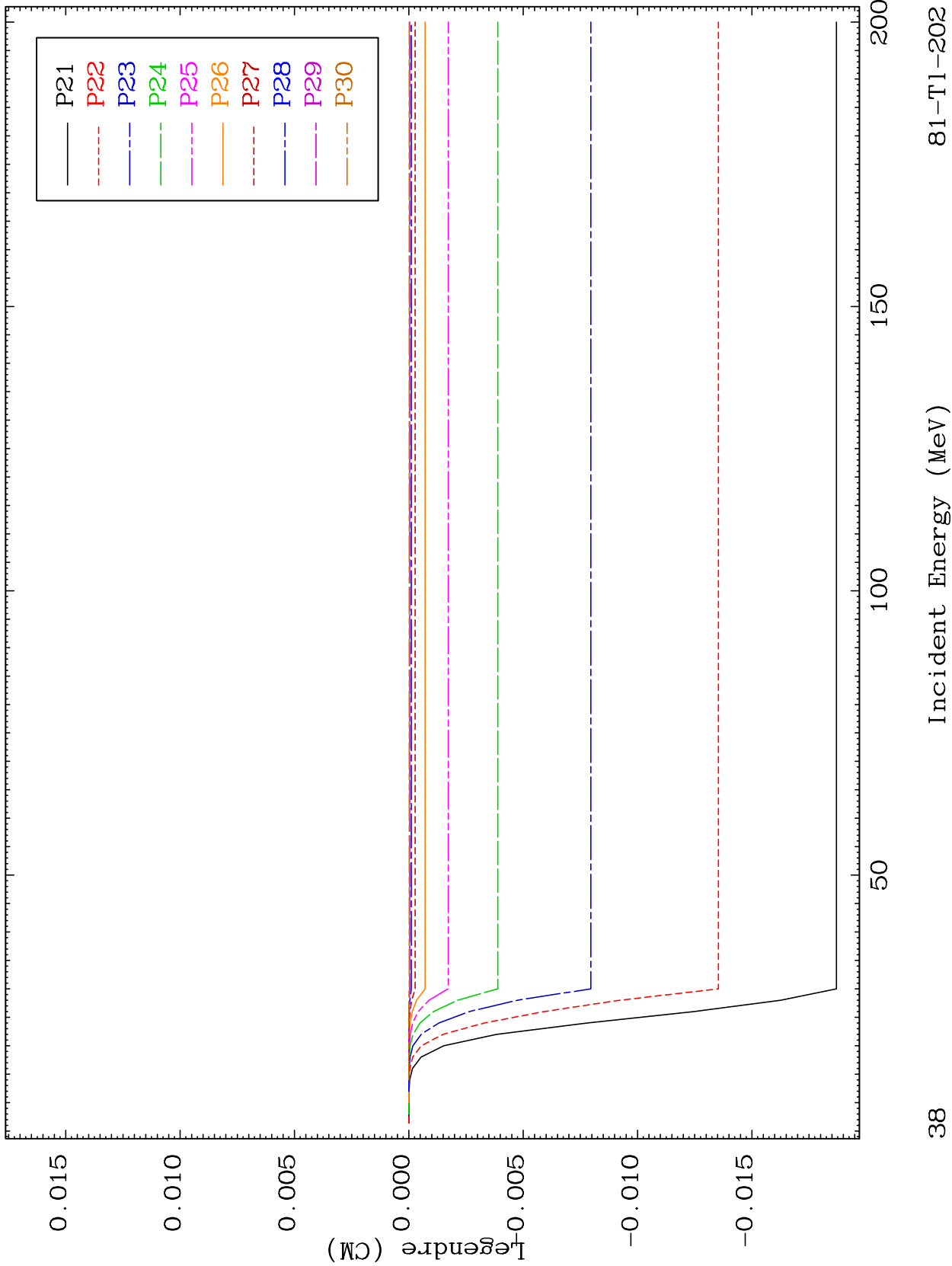
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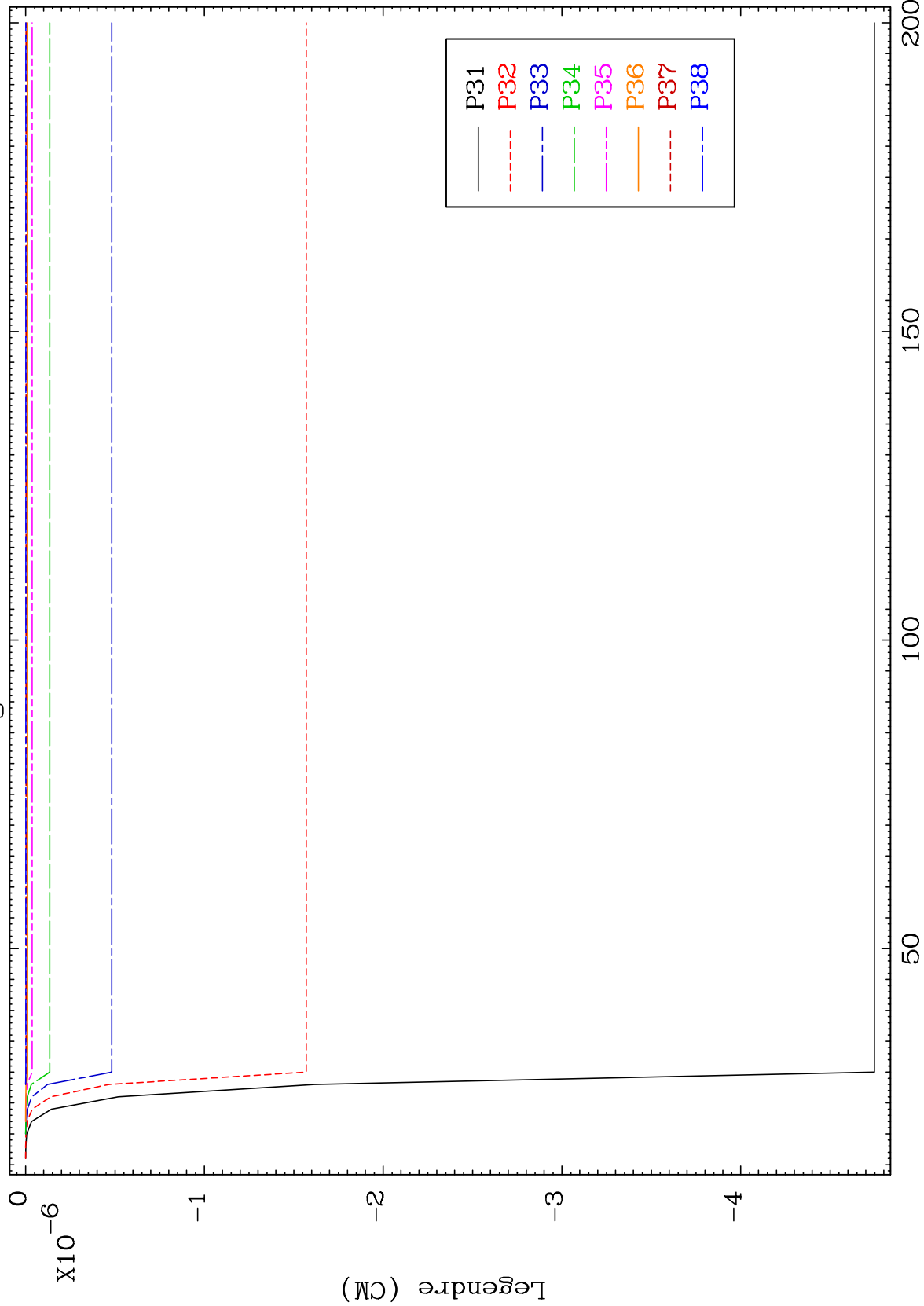
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Incident Energy (MeV)

81-T1-202



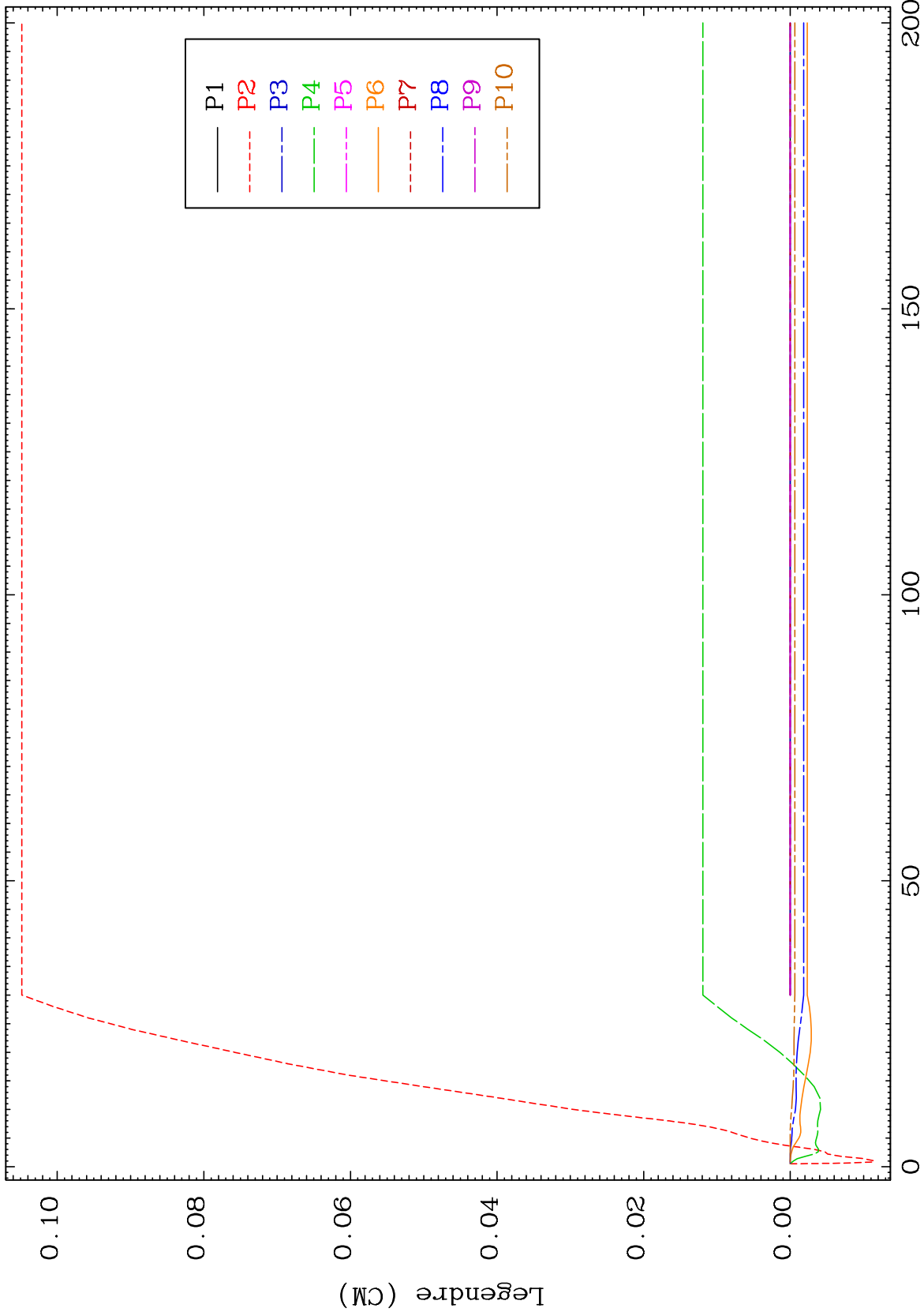
Legendre Coefficients



MAT 8122

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

81-T1-202



81-T1-202

Incident Energy (MeV)

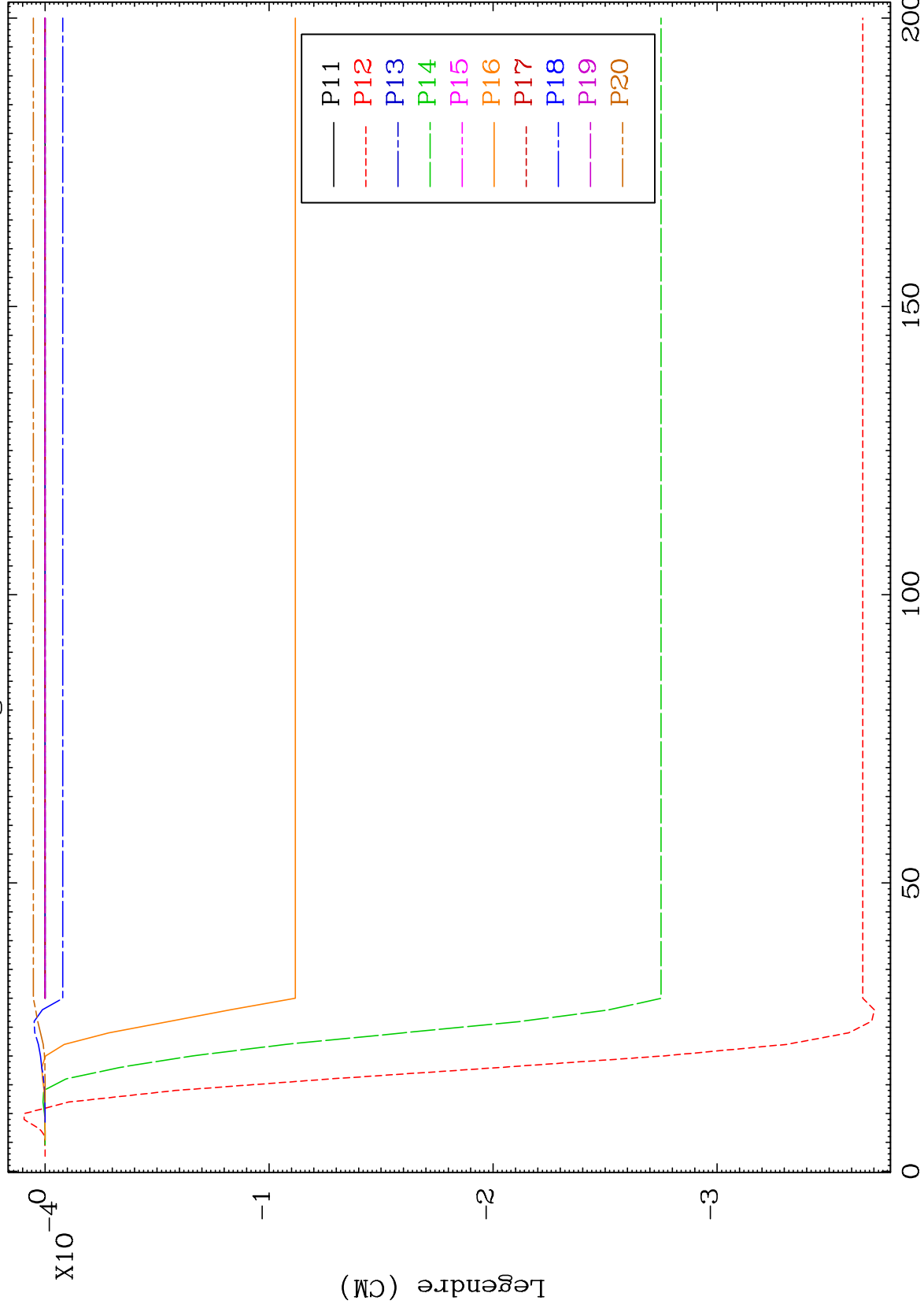
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MAT 8122

MT= 57 (n,n') Level

81-T1-202

Legendre Coefficients



41

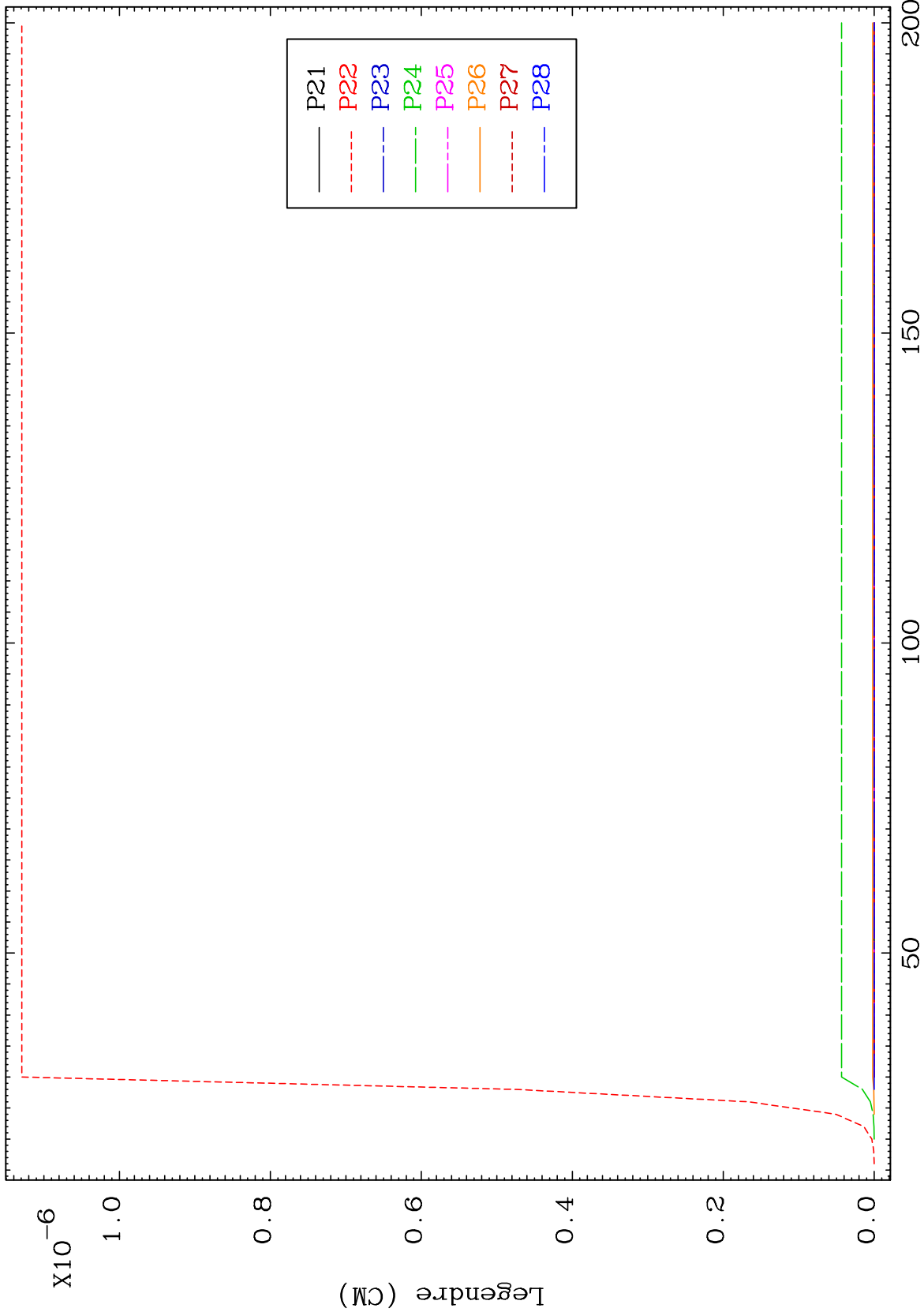
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



42

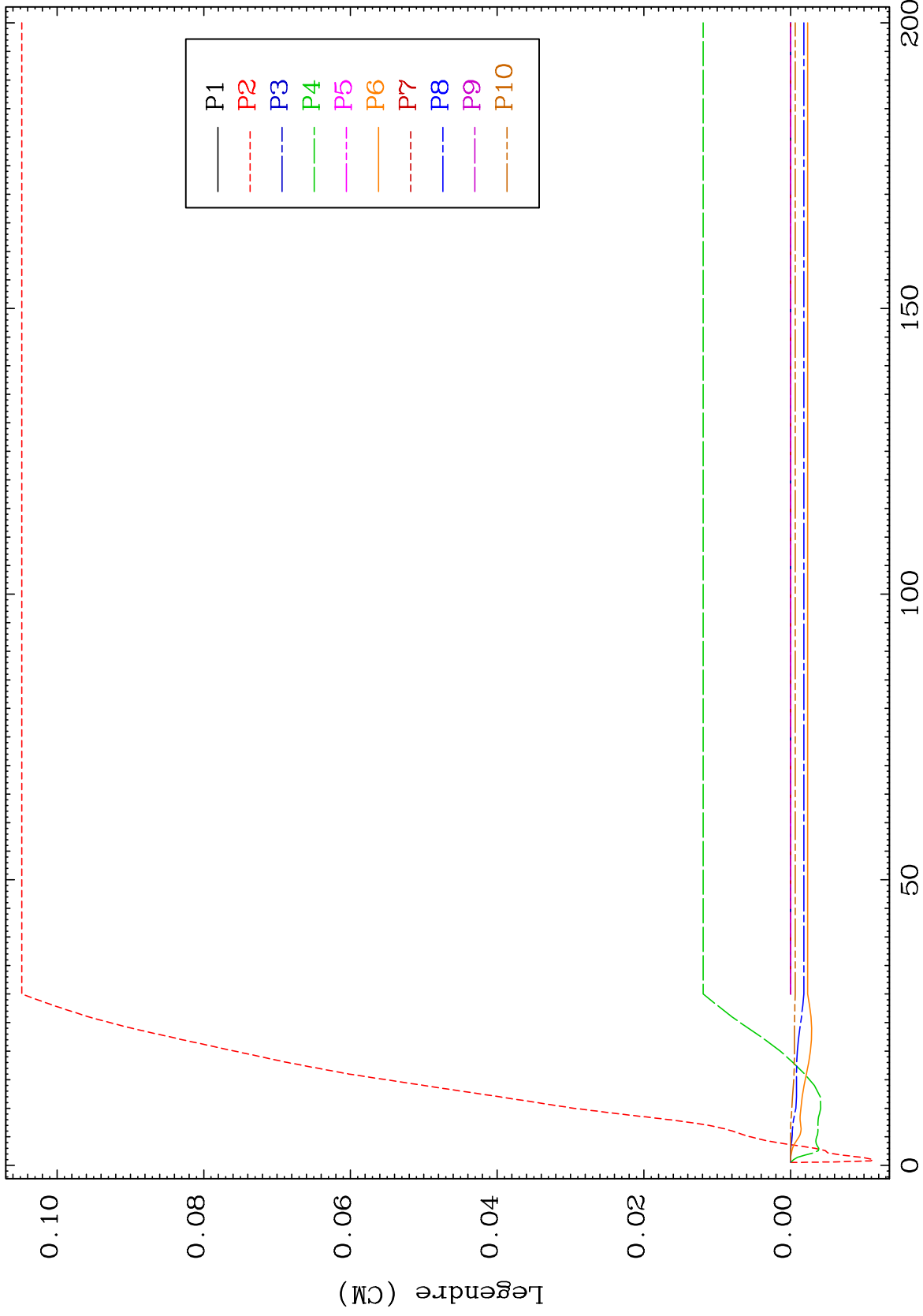
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



43

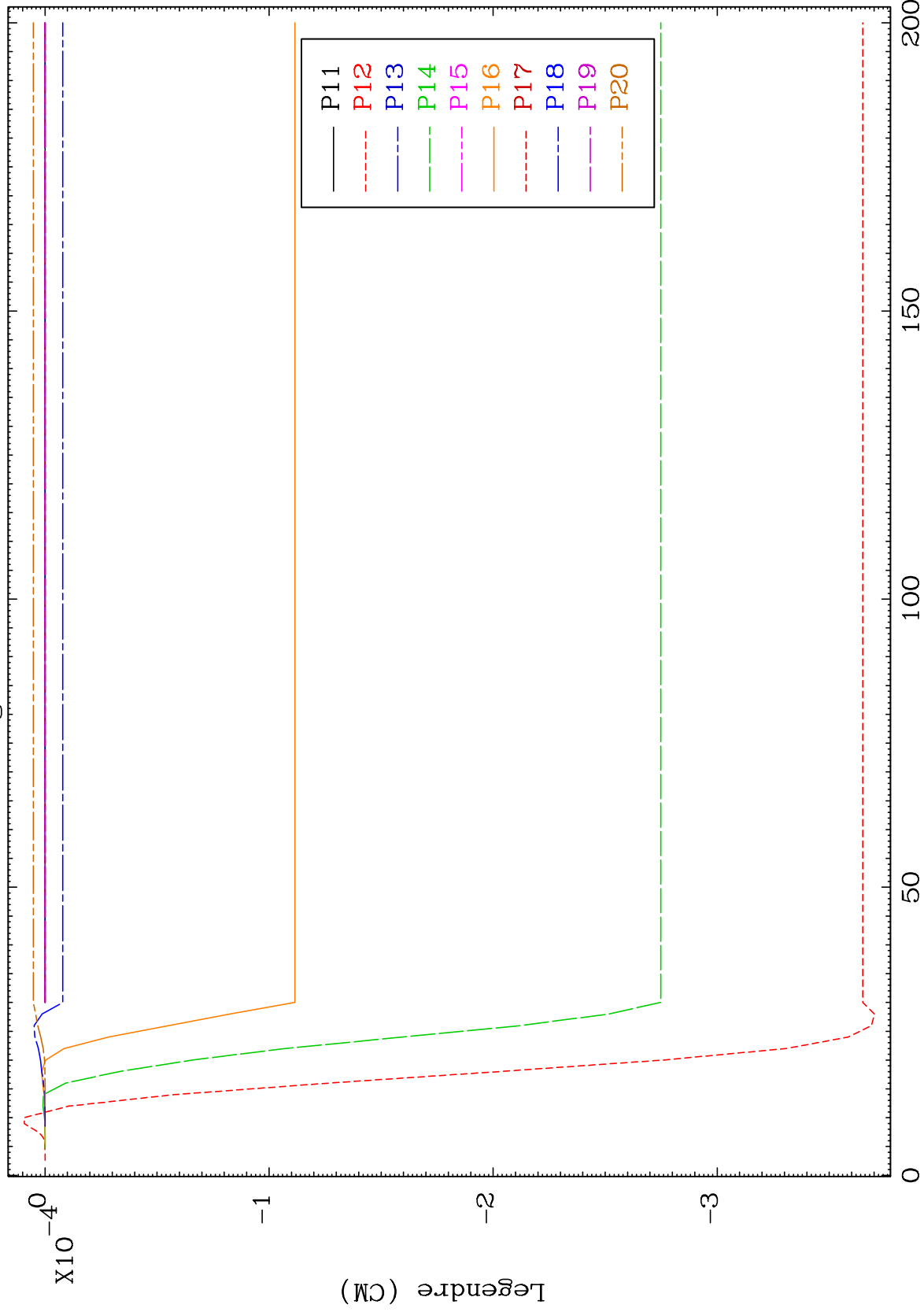
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



44

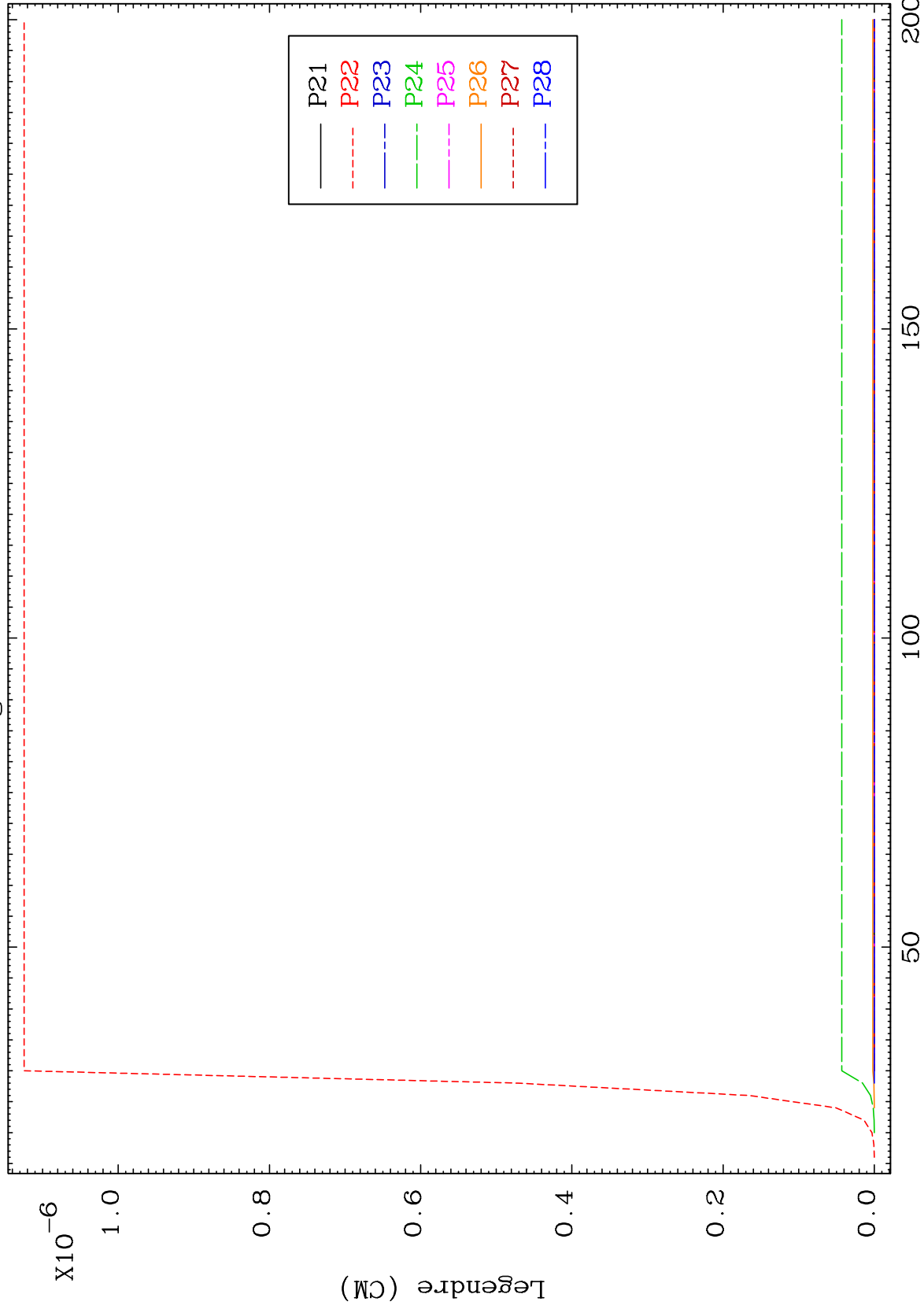
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



45

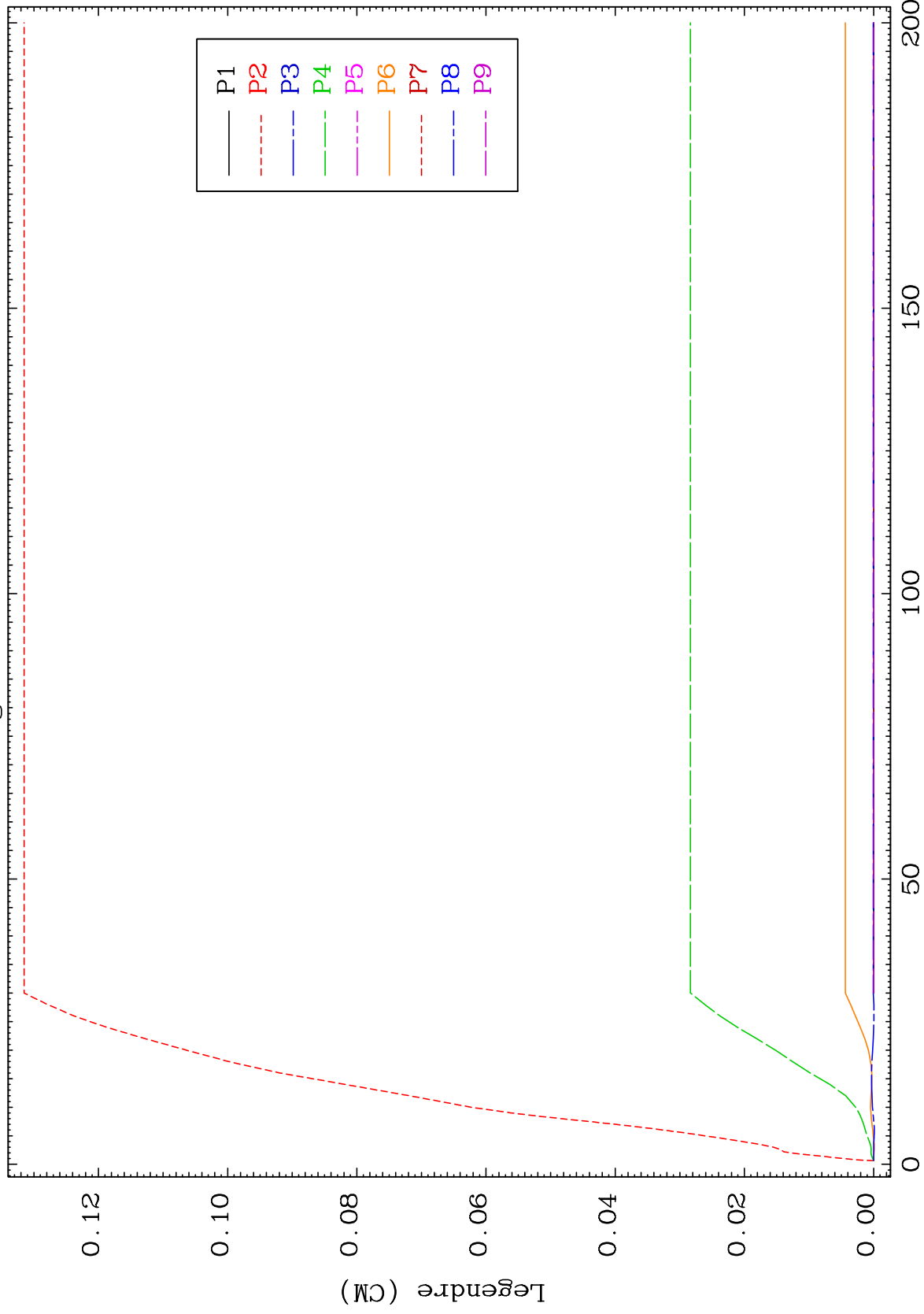
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



46

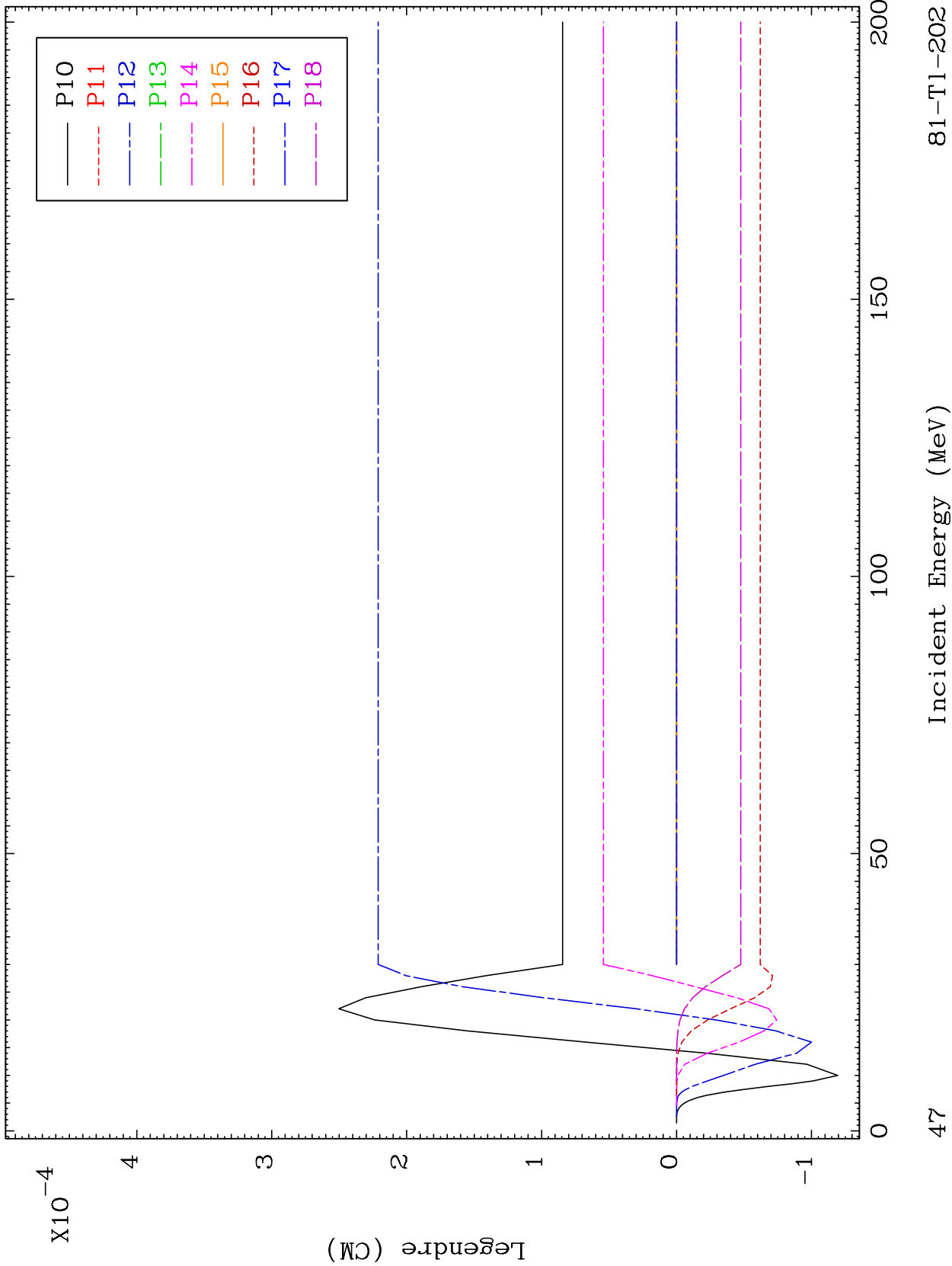
Incident Energy (MeV)

81-T1-202

MAT 8122

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

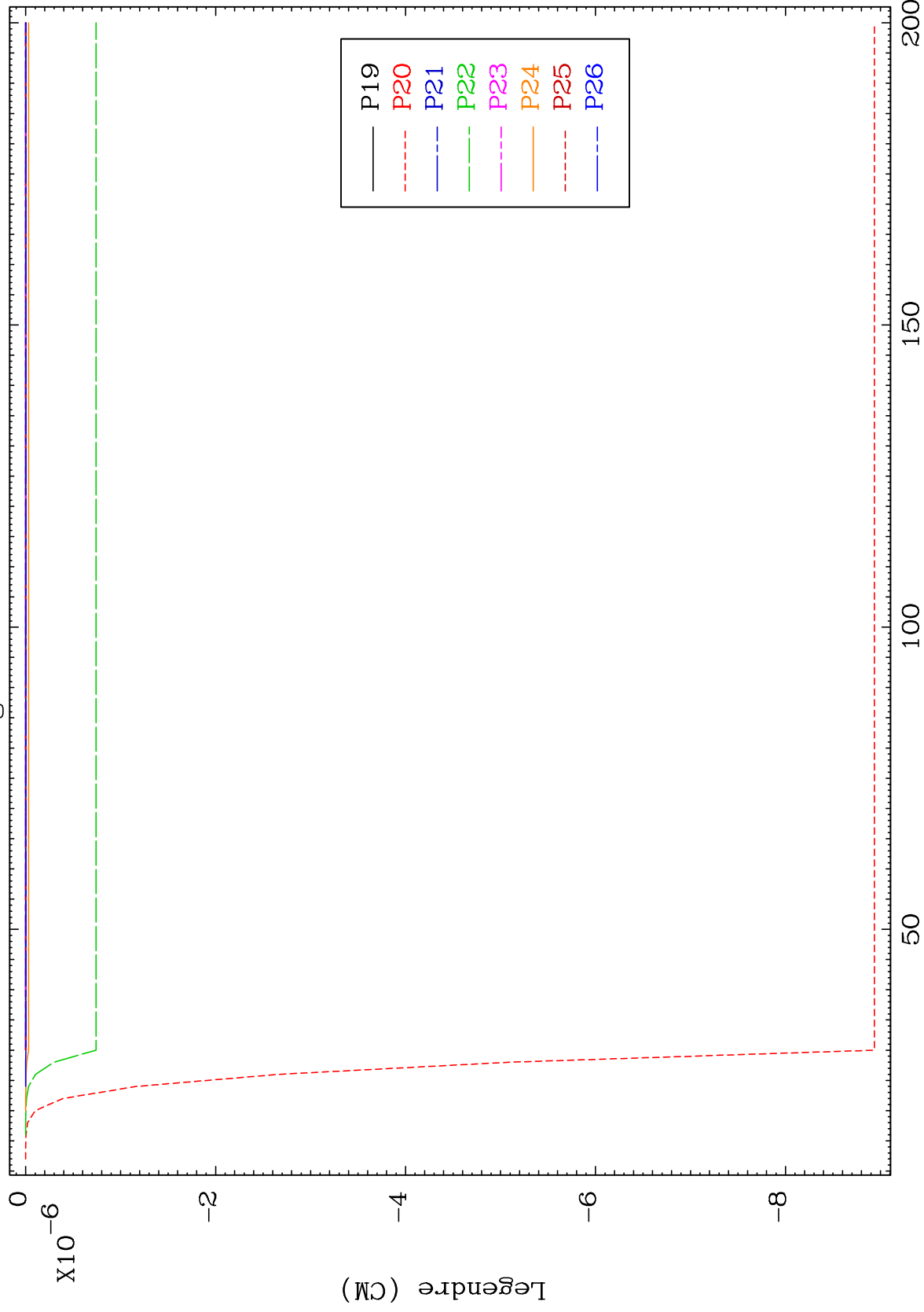
81-T1-202



MAT 8122

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

81-T1-202



48

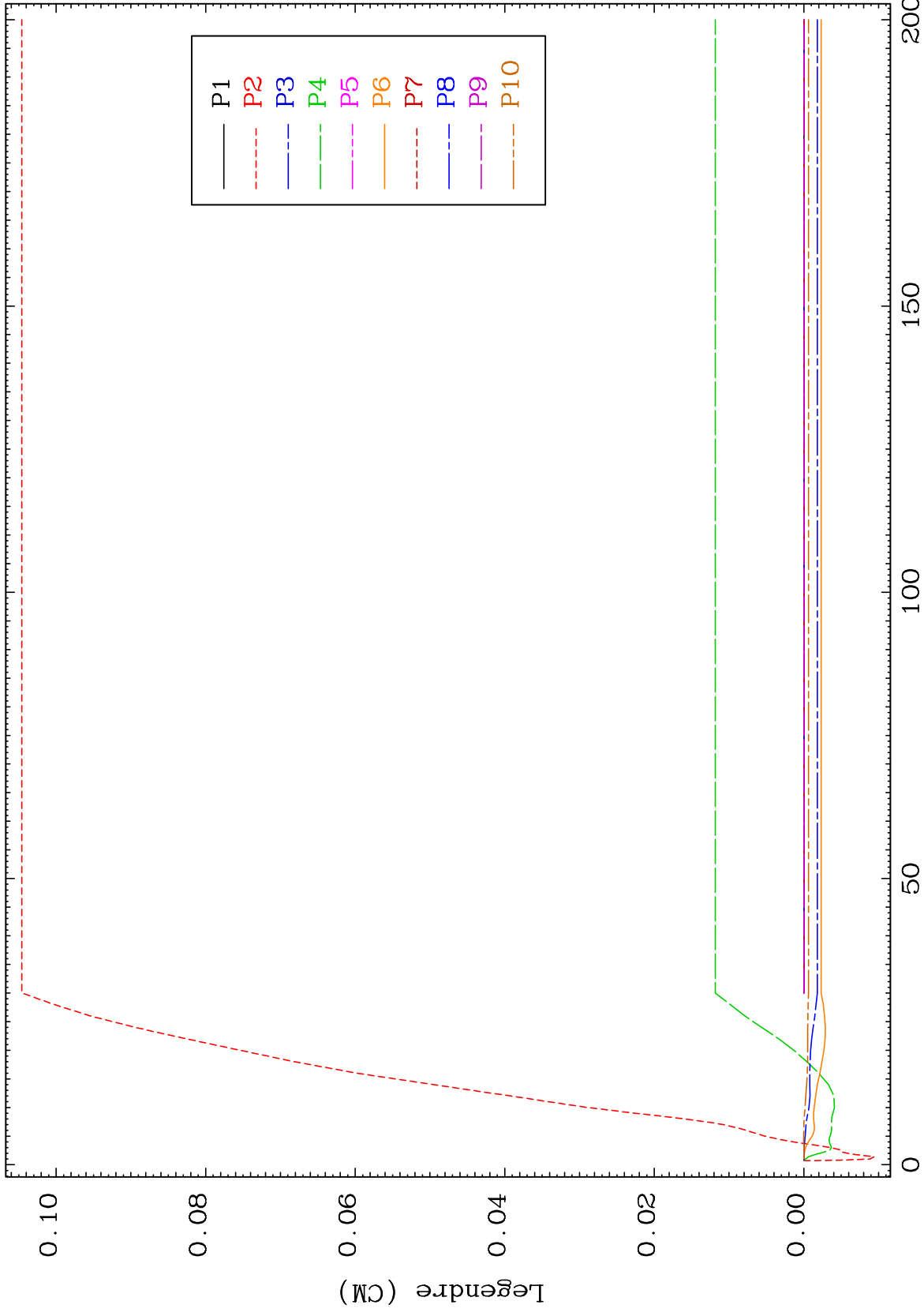
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



49

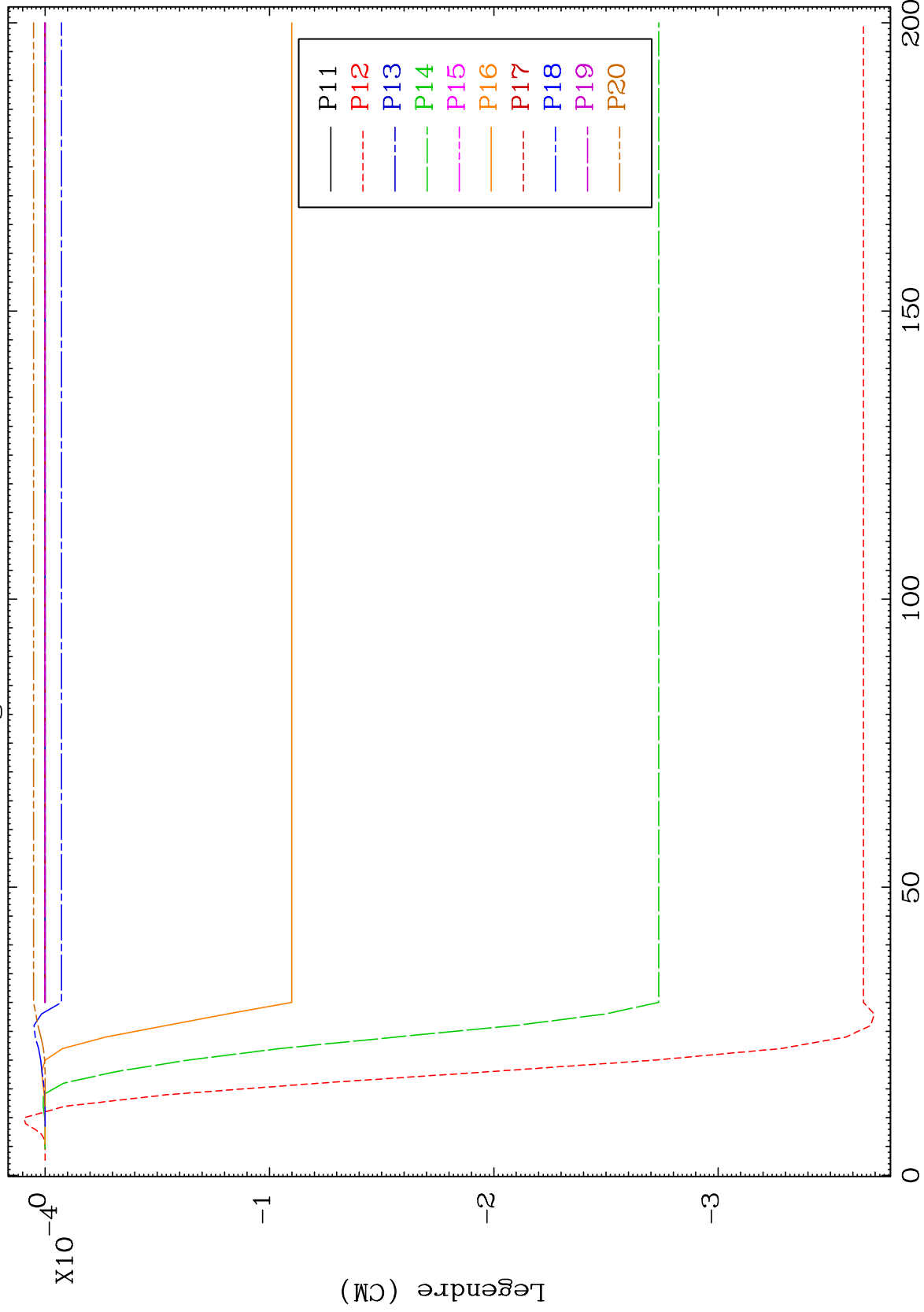
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



50

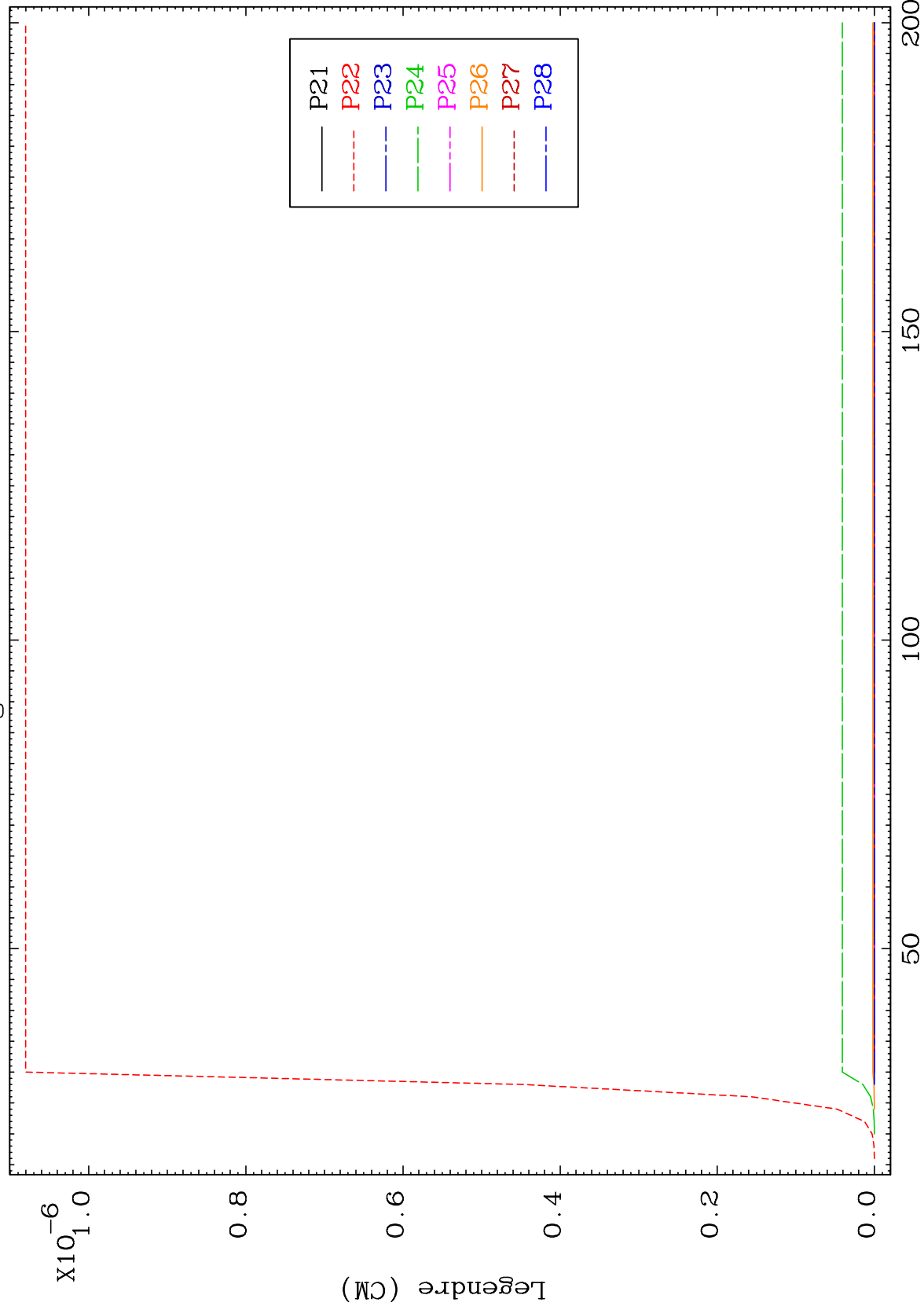
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



51

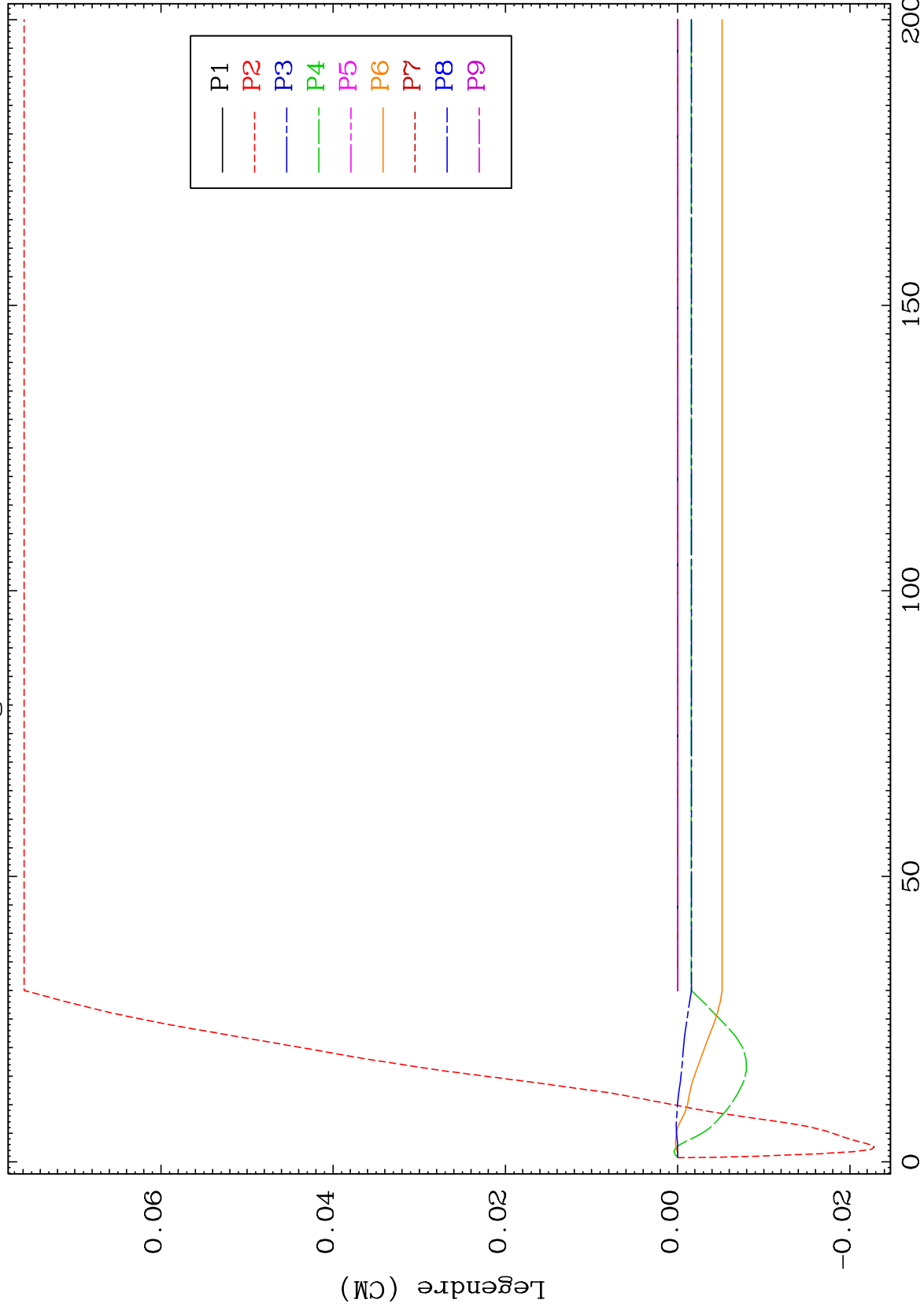
Incident Energy (MeV)

81-T1-202

MAT 8122

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

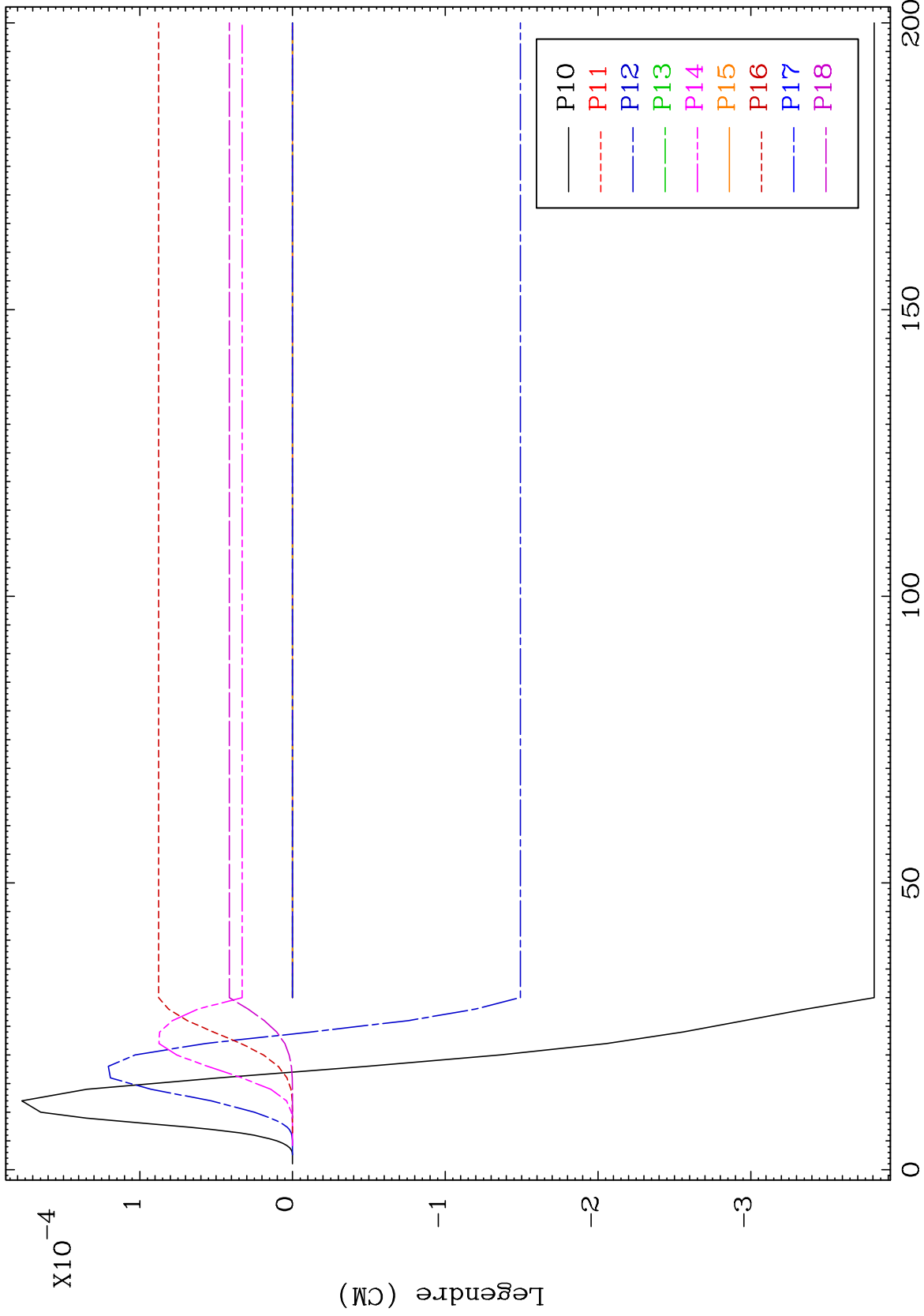
81-T1-202



Incident Energy (MeV)

81-T1-202

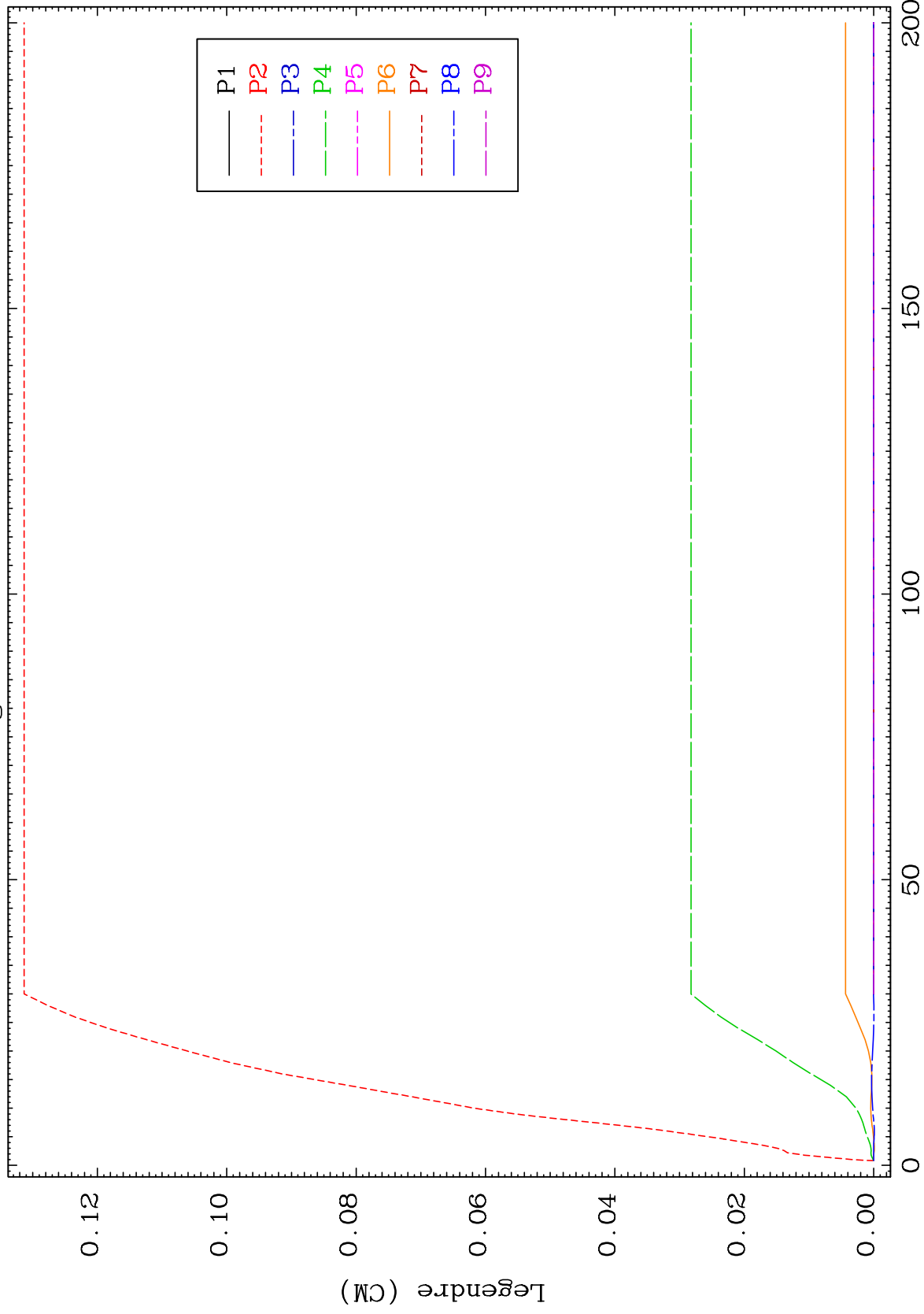
52



MAT 8122

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

81-T1-202



Incident Energy (MeV)

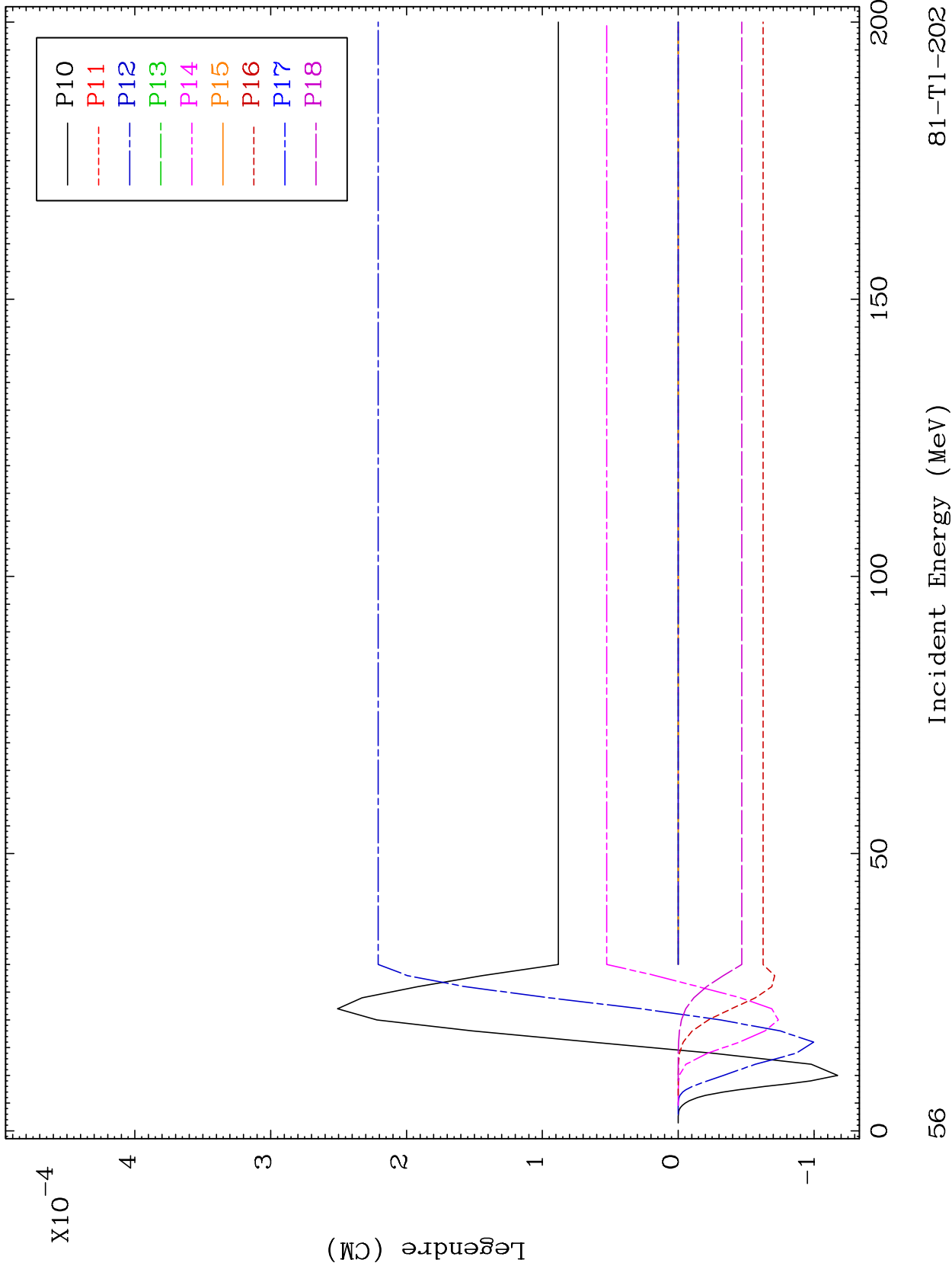
81-T1-202

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MAT 8122

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

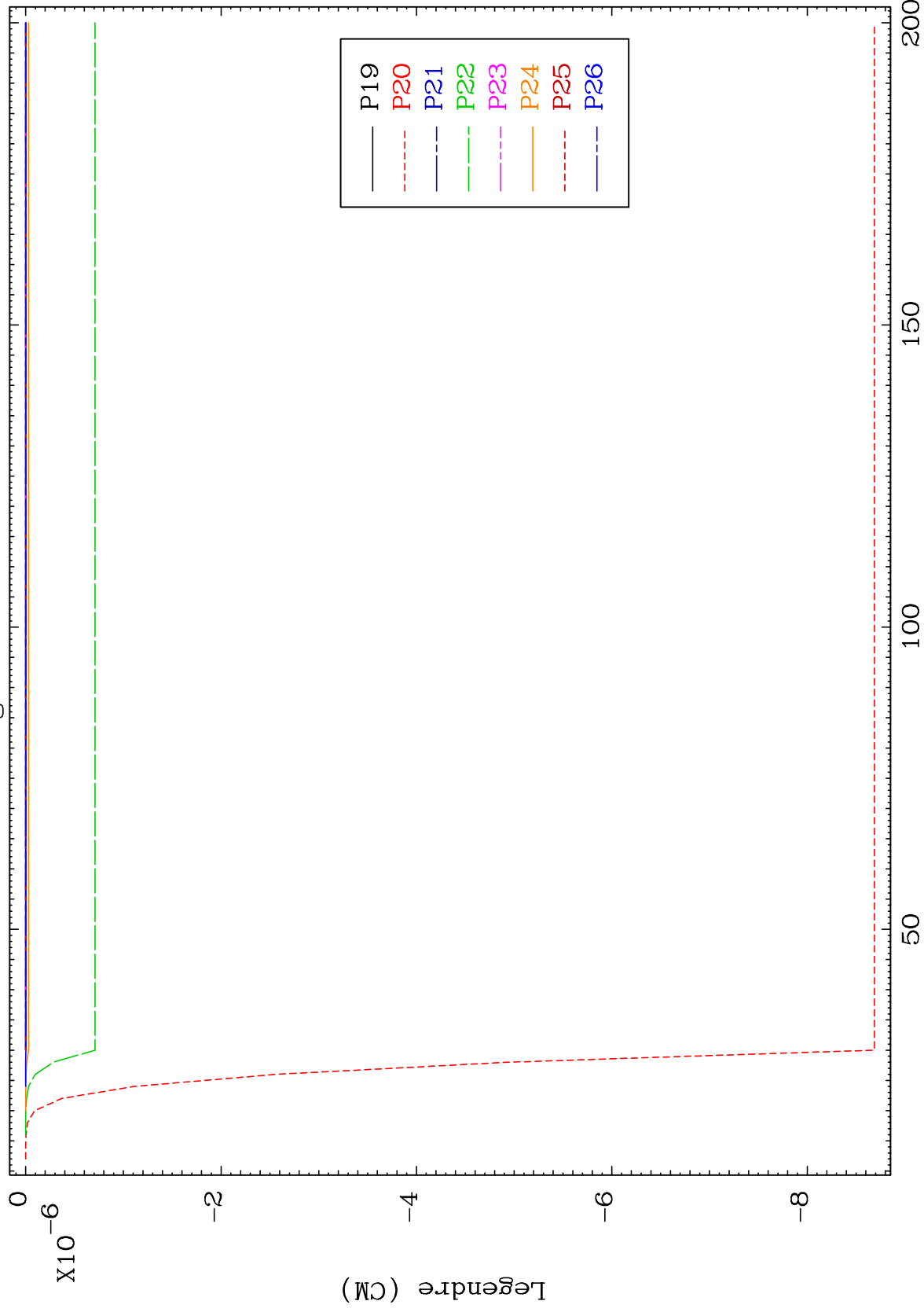
81-T1-202



MAT 8122

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

81-T1-202



57

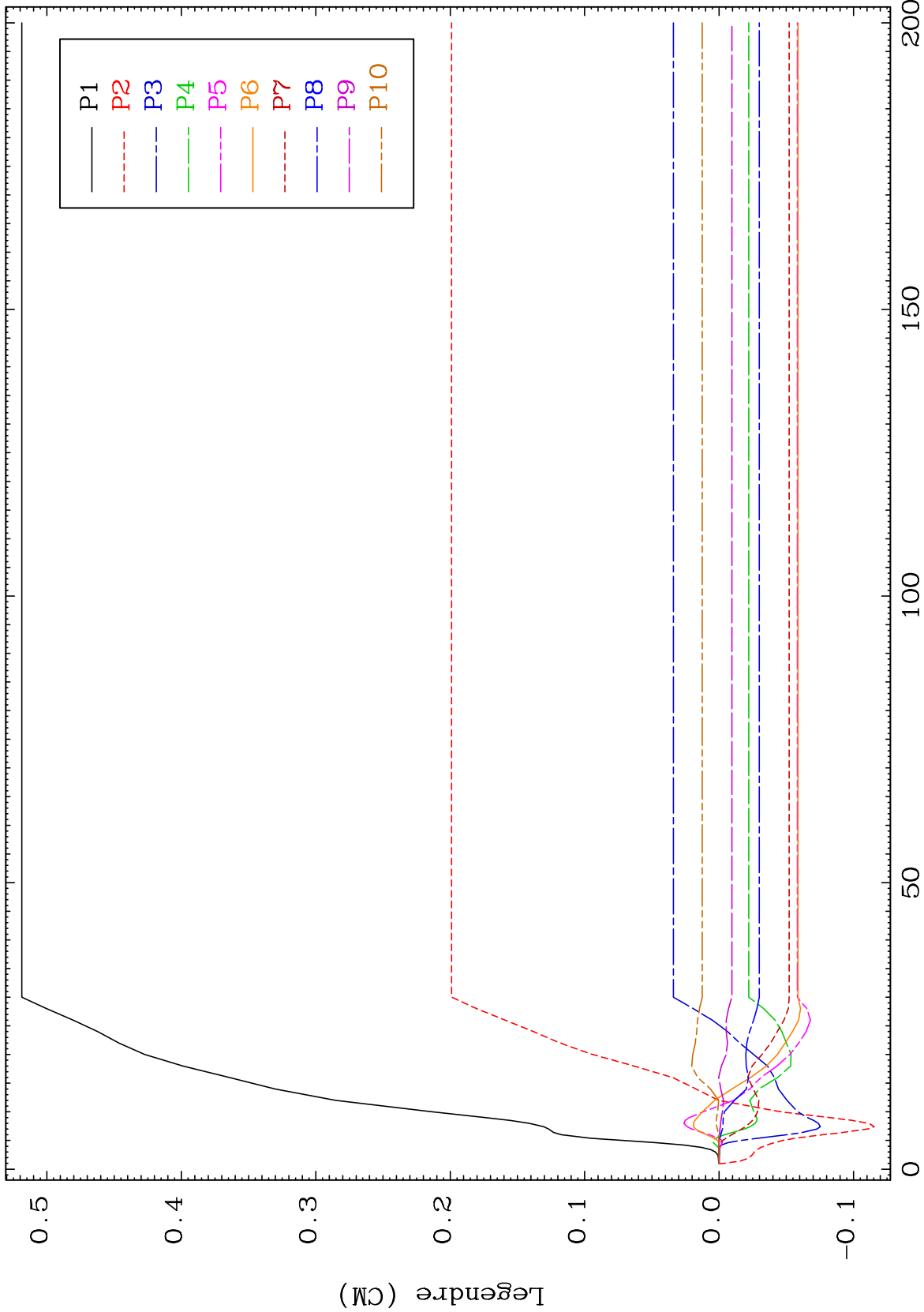
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



58

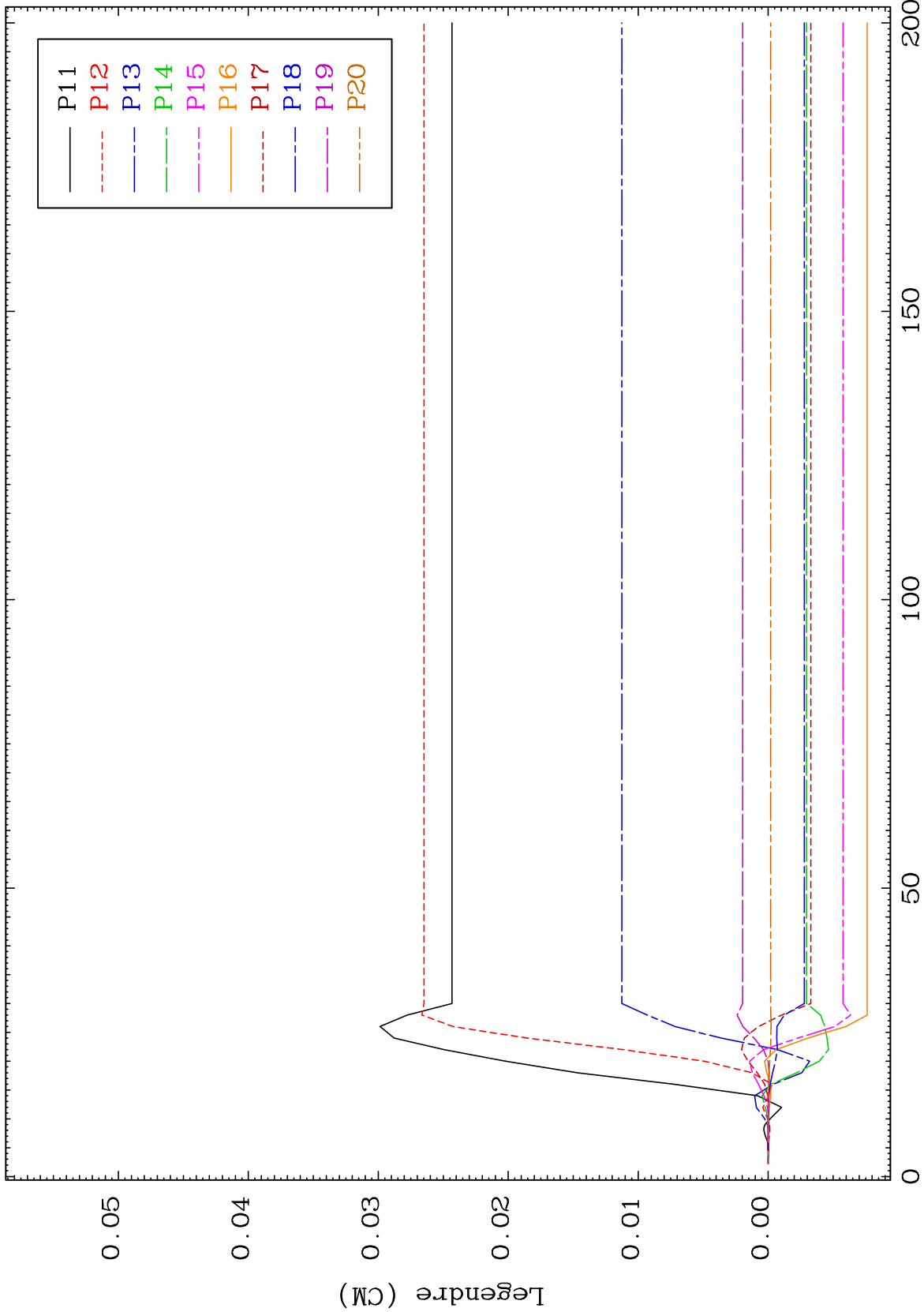
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



59

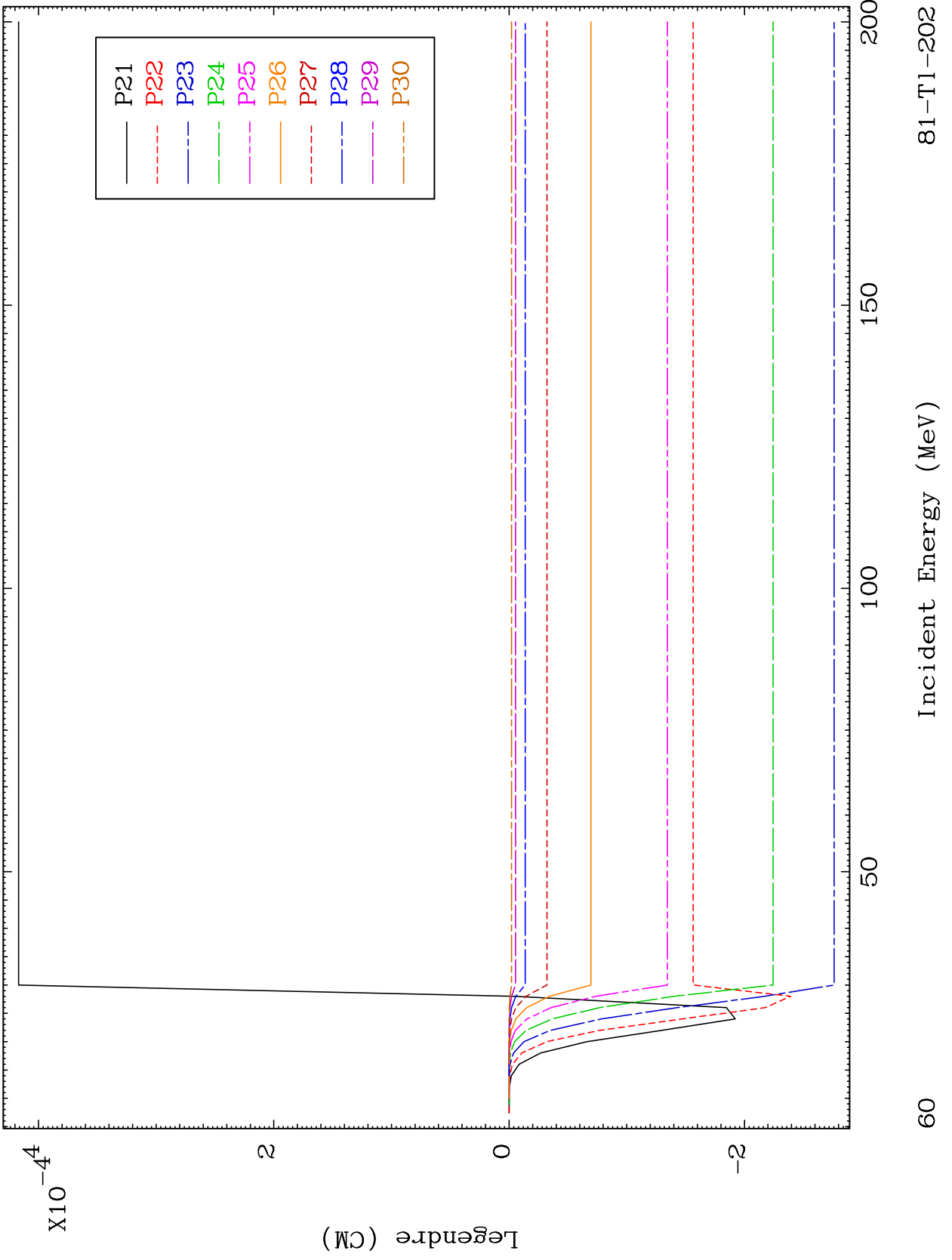
Incident Energy (MeV)

81-T1-202

MAT 8122

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

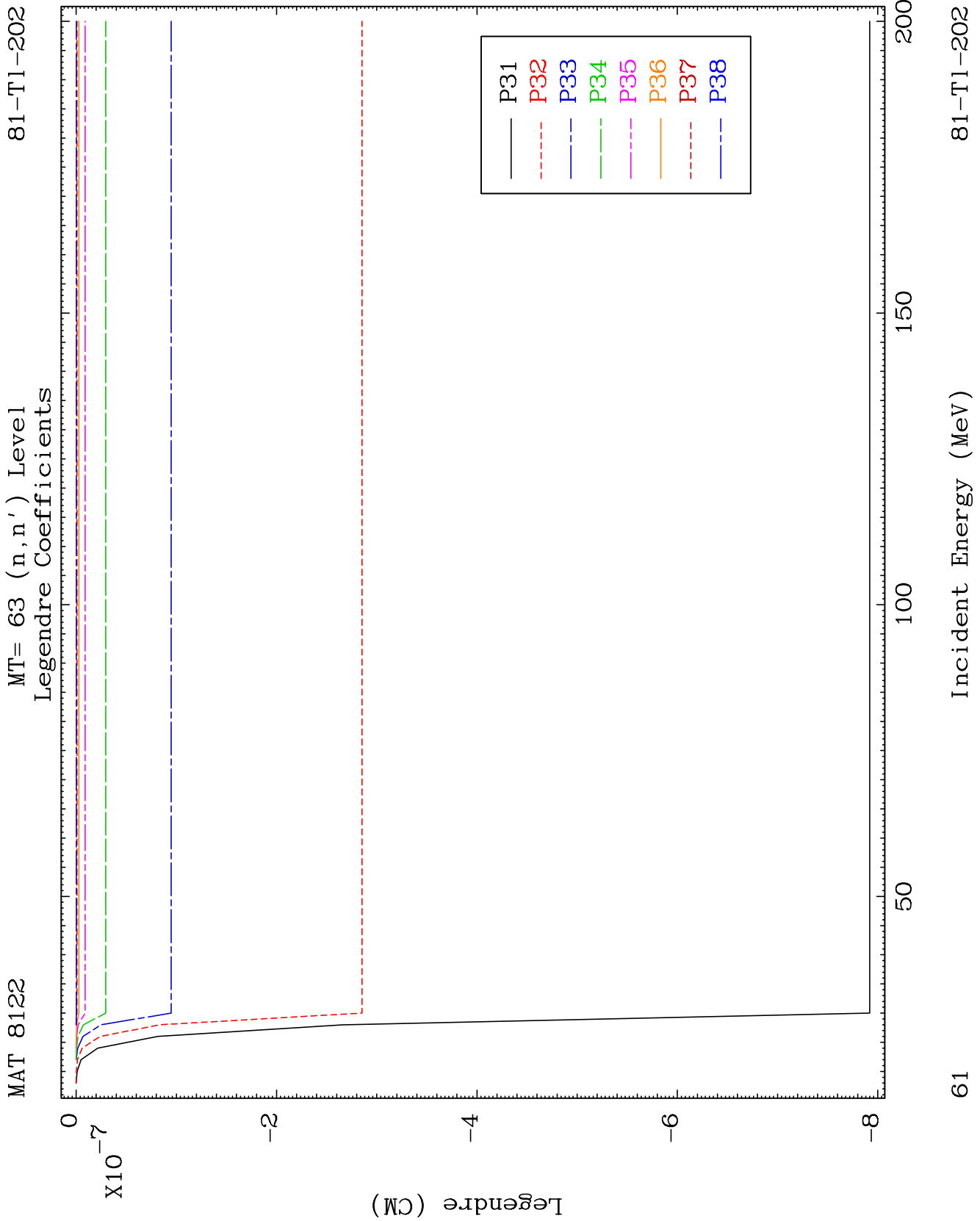
81-T1-202



60

Incident Energy (MeV)

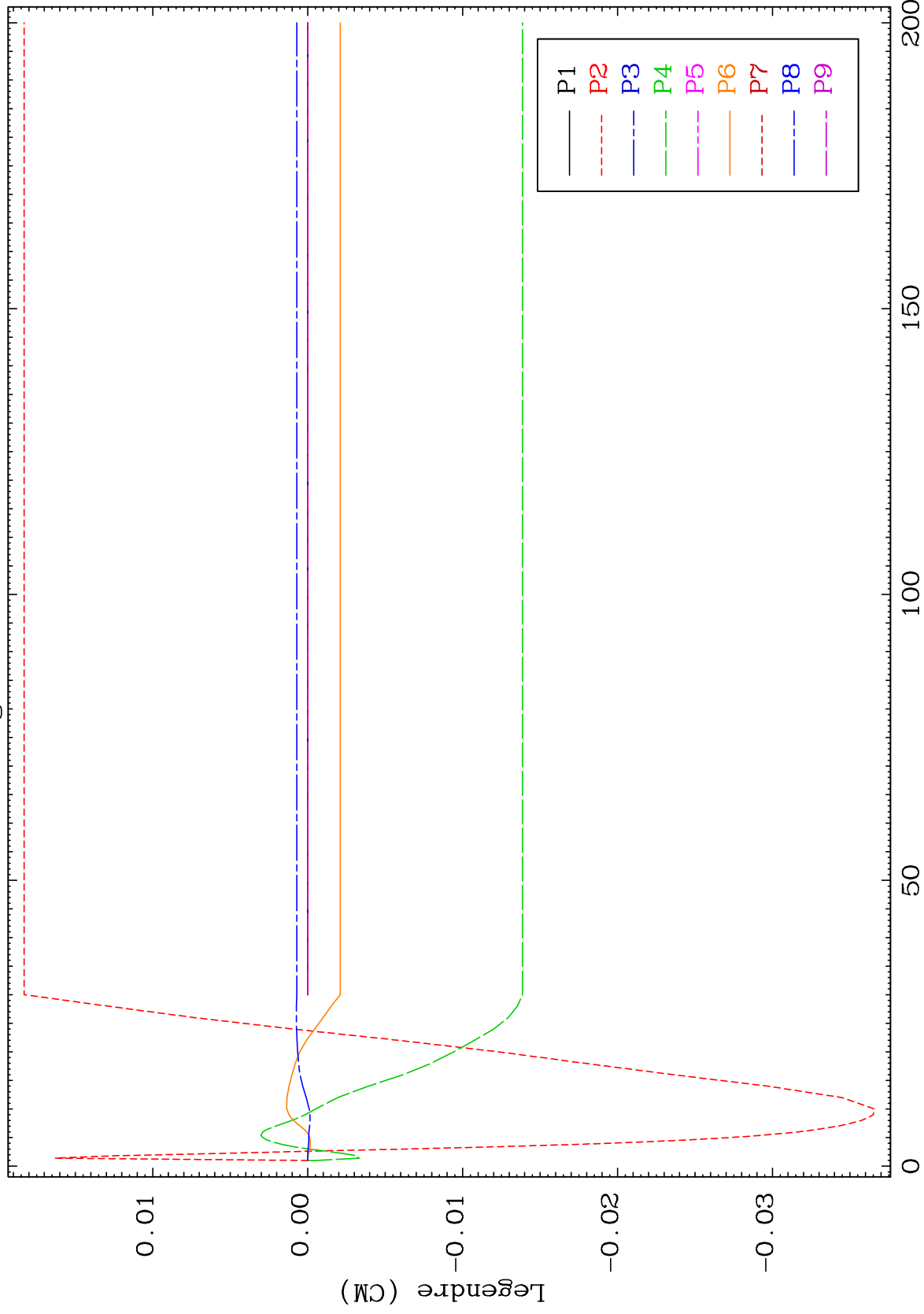
81-T1-202



MAT 8122

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

81-T1-202



62

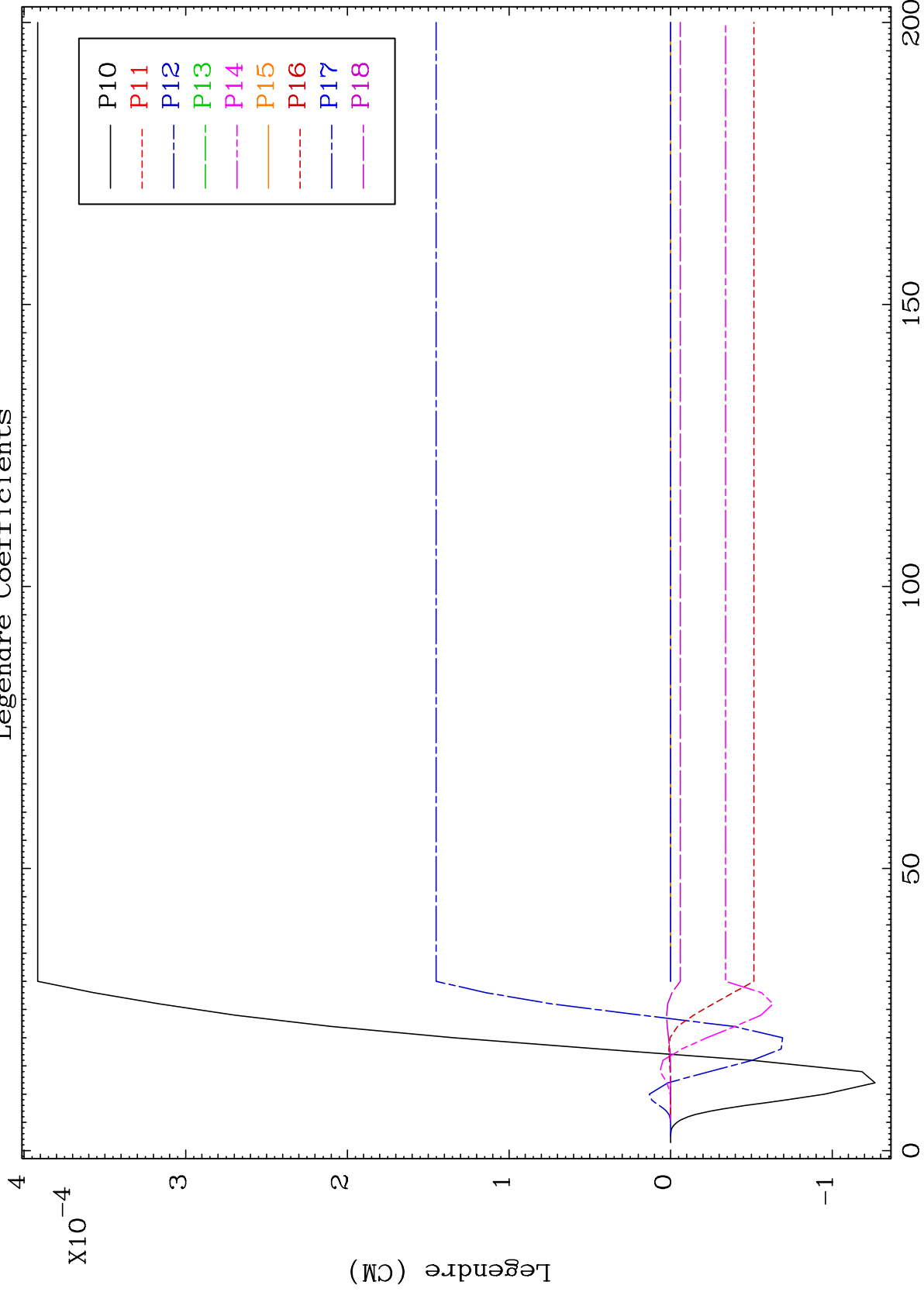
Incident Energy (MeV)

81-T1-202

MAT 8122

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

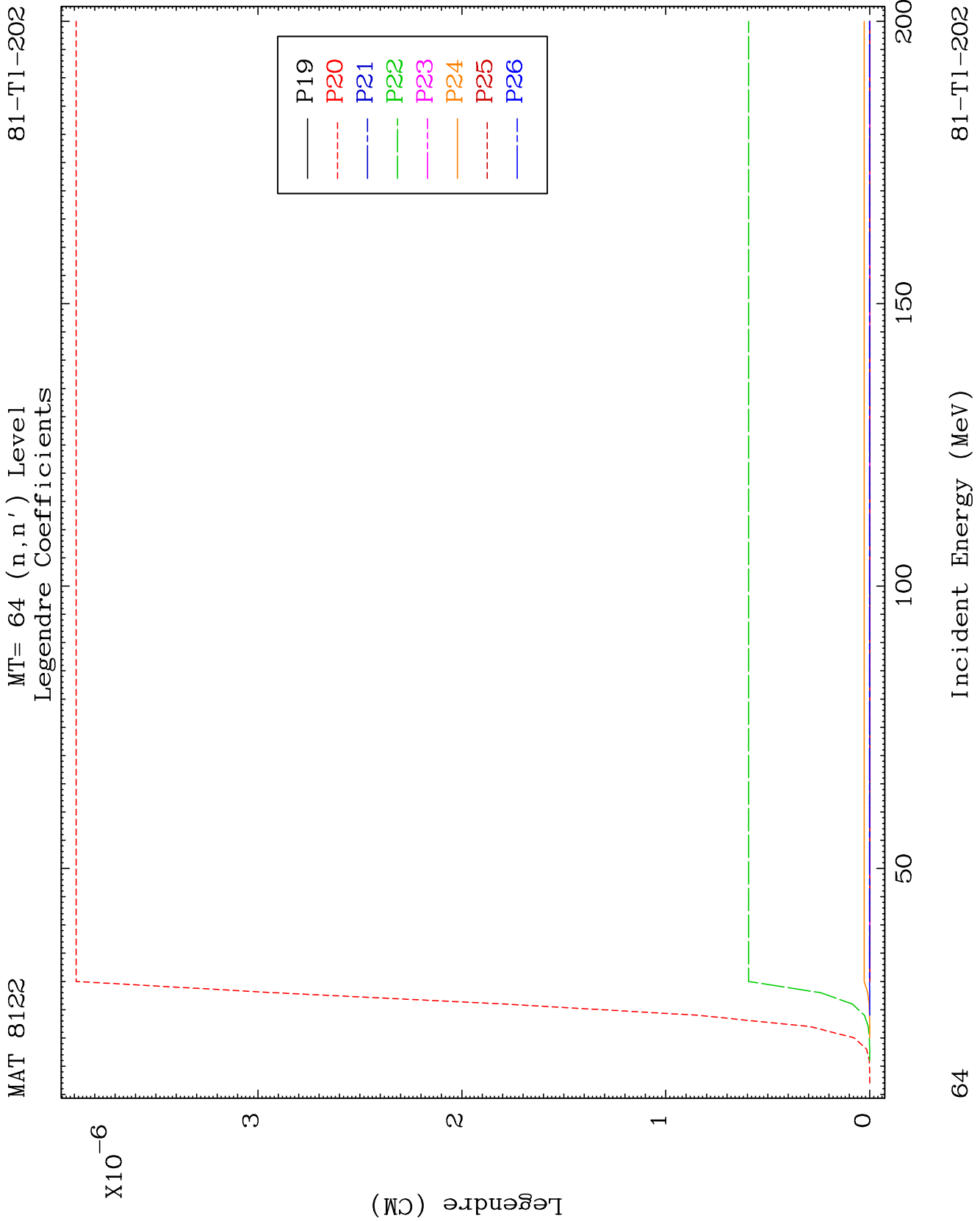
81-T1-202



63

Incident Energy (MeV)

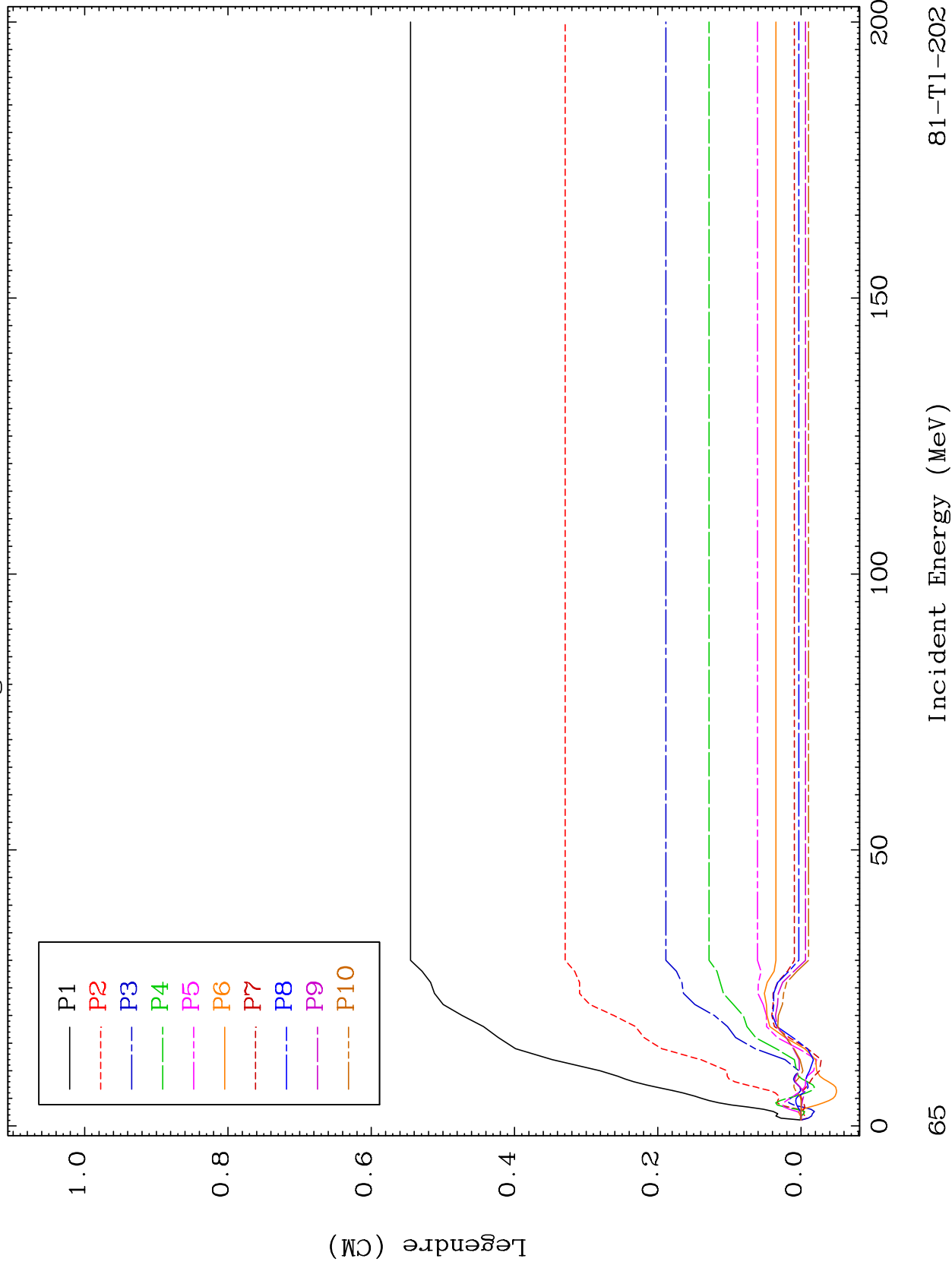
81-T1-202



MAT 8122

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

81-T1-202

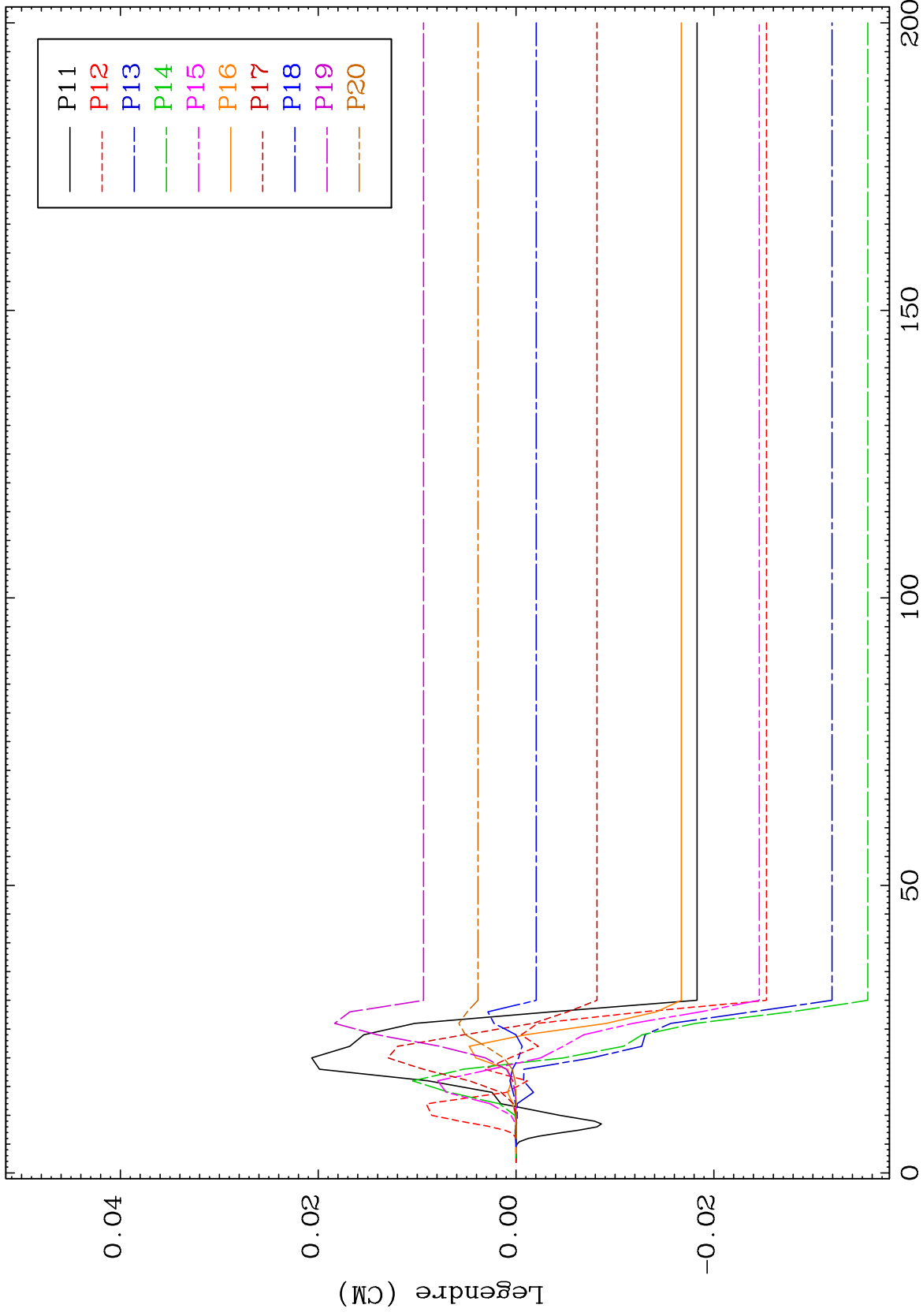


65

MAT 8122

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

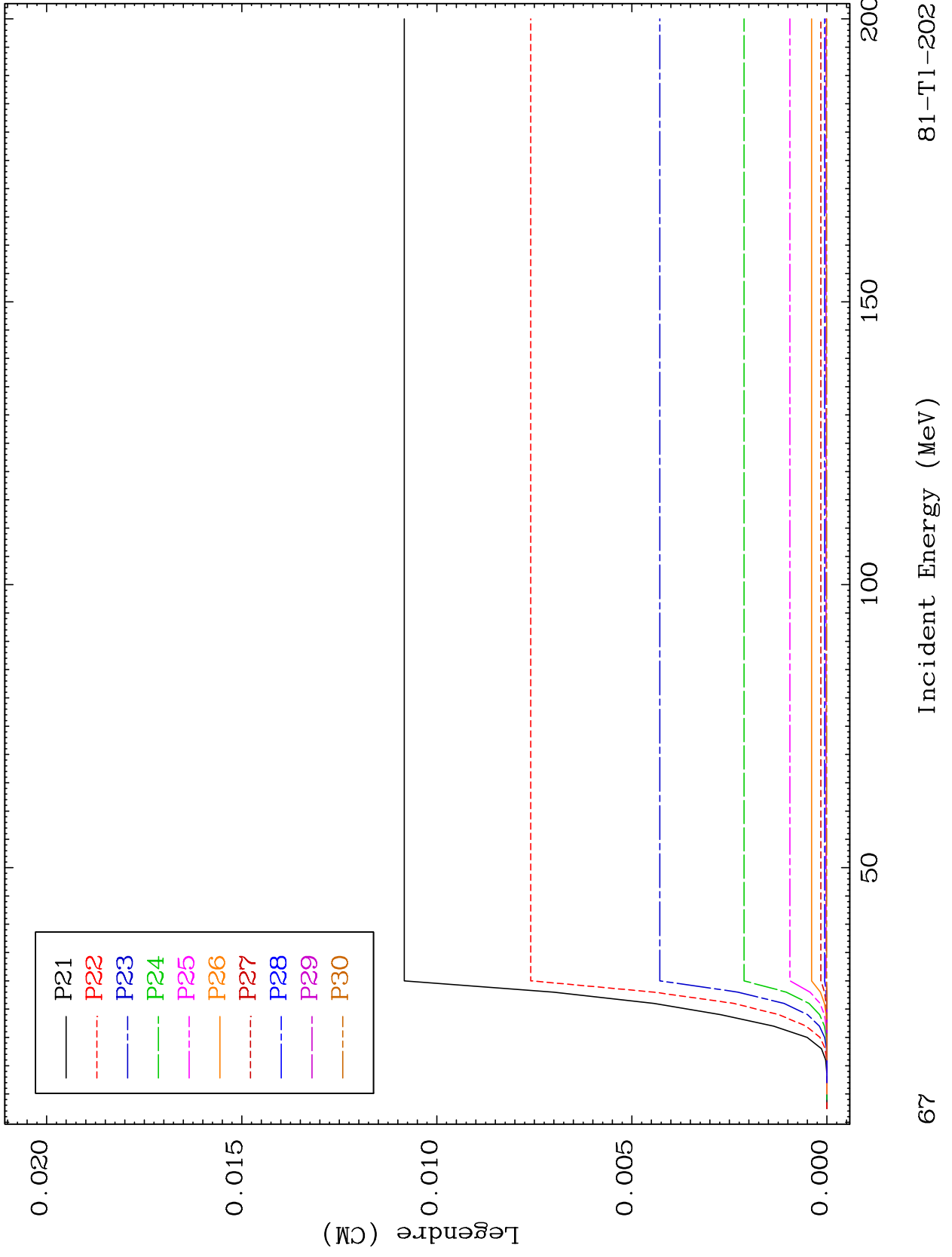
81-T1-202



66

Incident Energy (MeV)

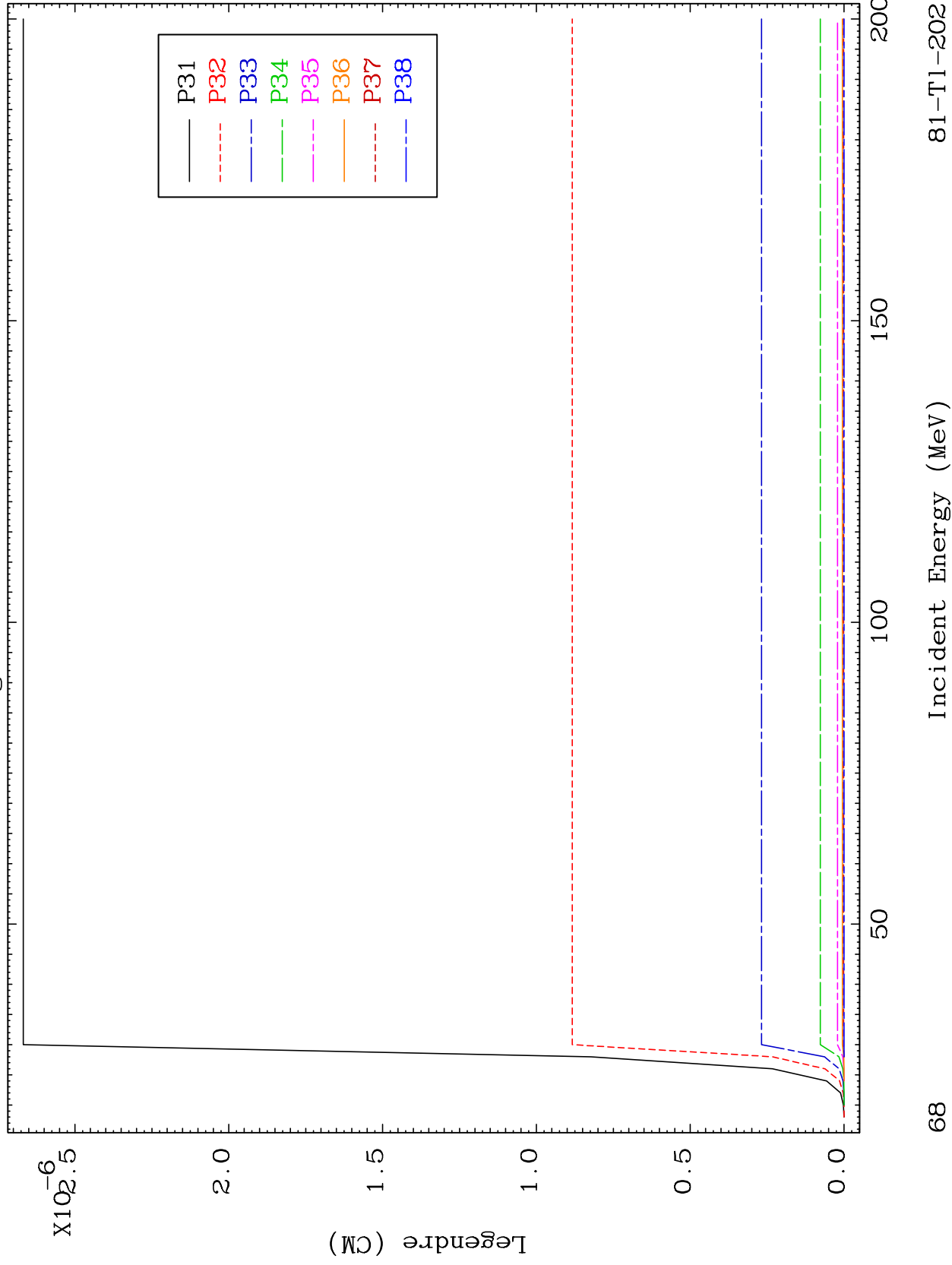
81-T1-202



MAT 8122

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

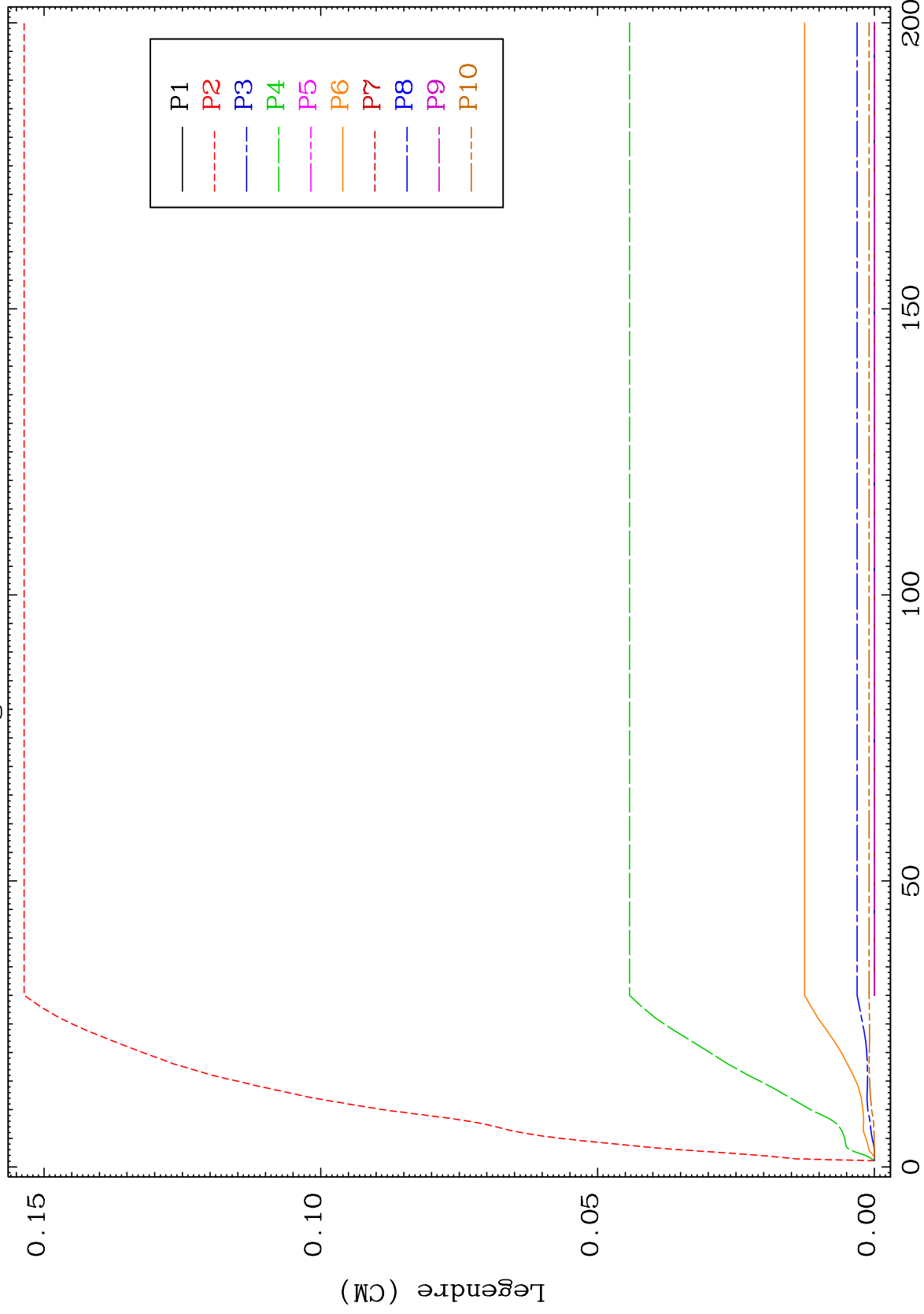
81-T1-202



MAT 8122

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

81-T1-202



69

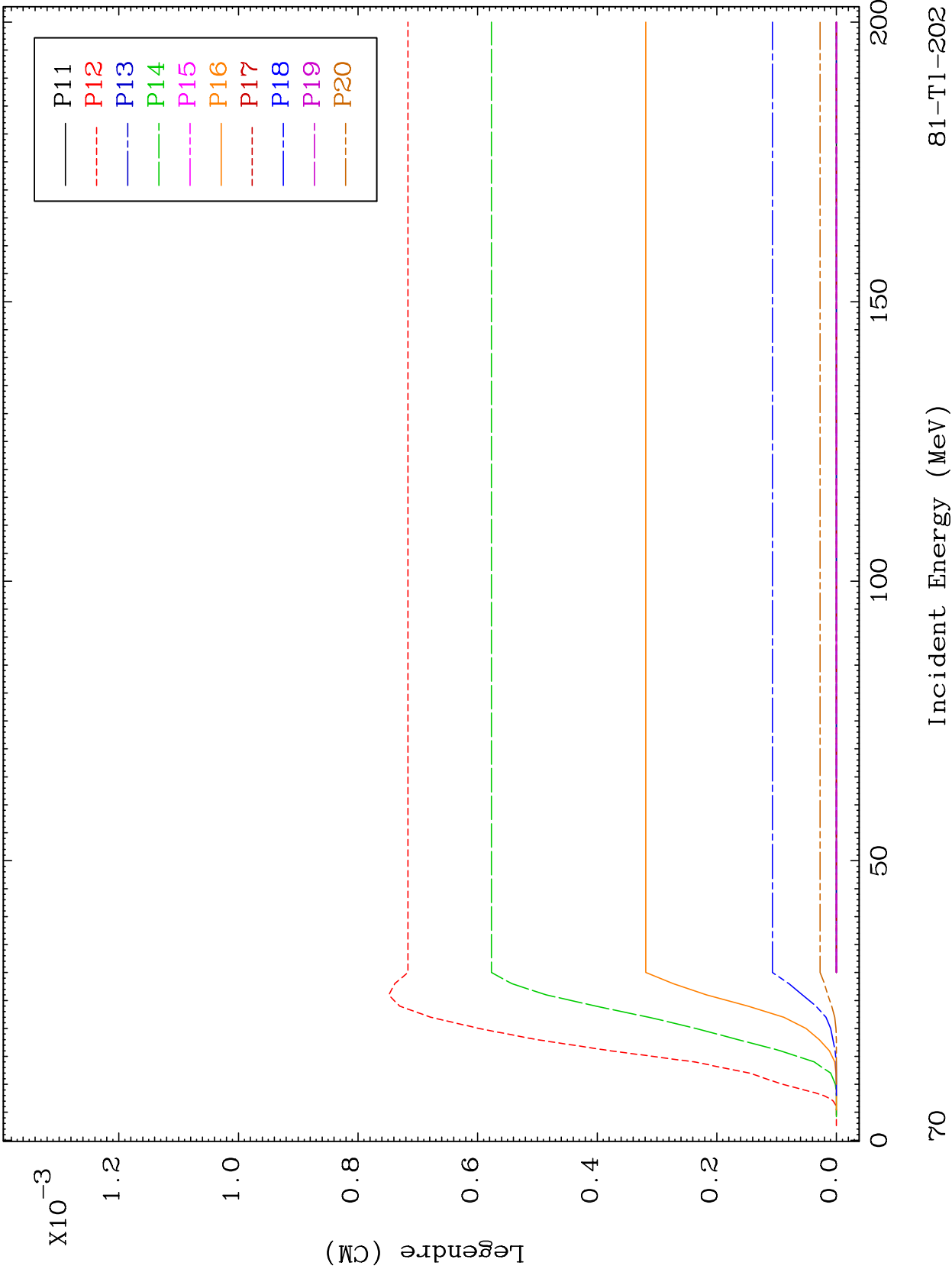
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



81-T1-202

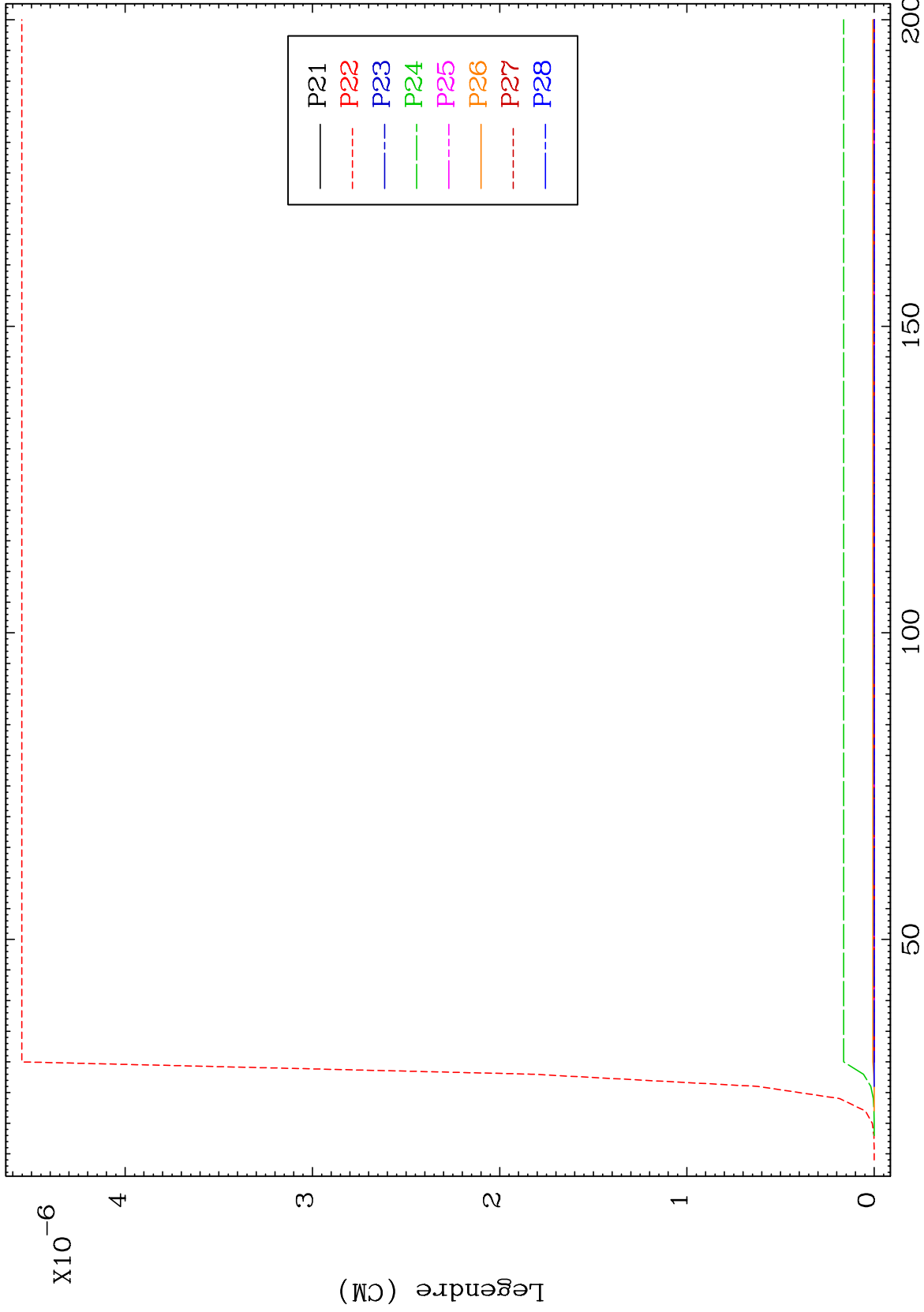
Incident Energy (MeV)

70

MAT 8122

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

81-T1-202



71

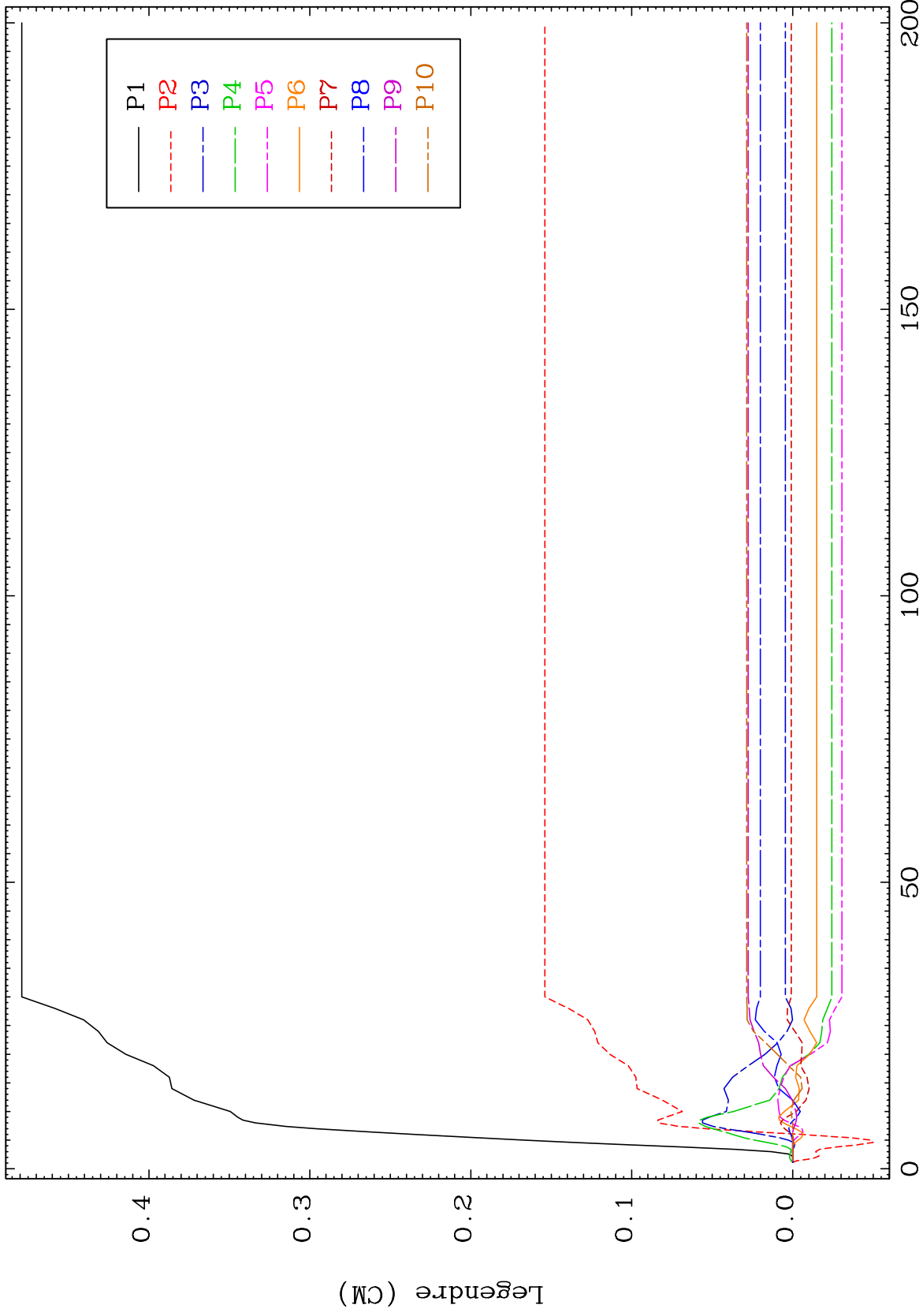
Incident Energy (MeV)

81-T1-202

MAT 8122

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

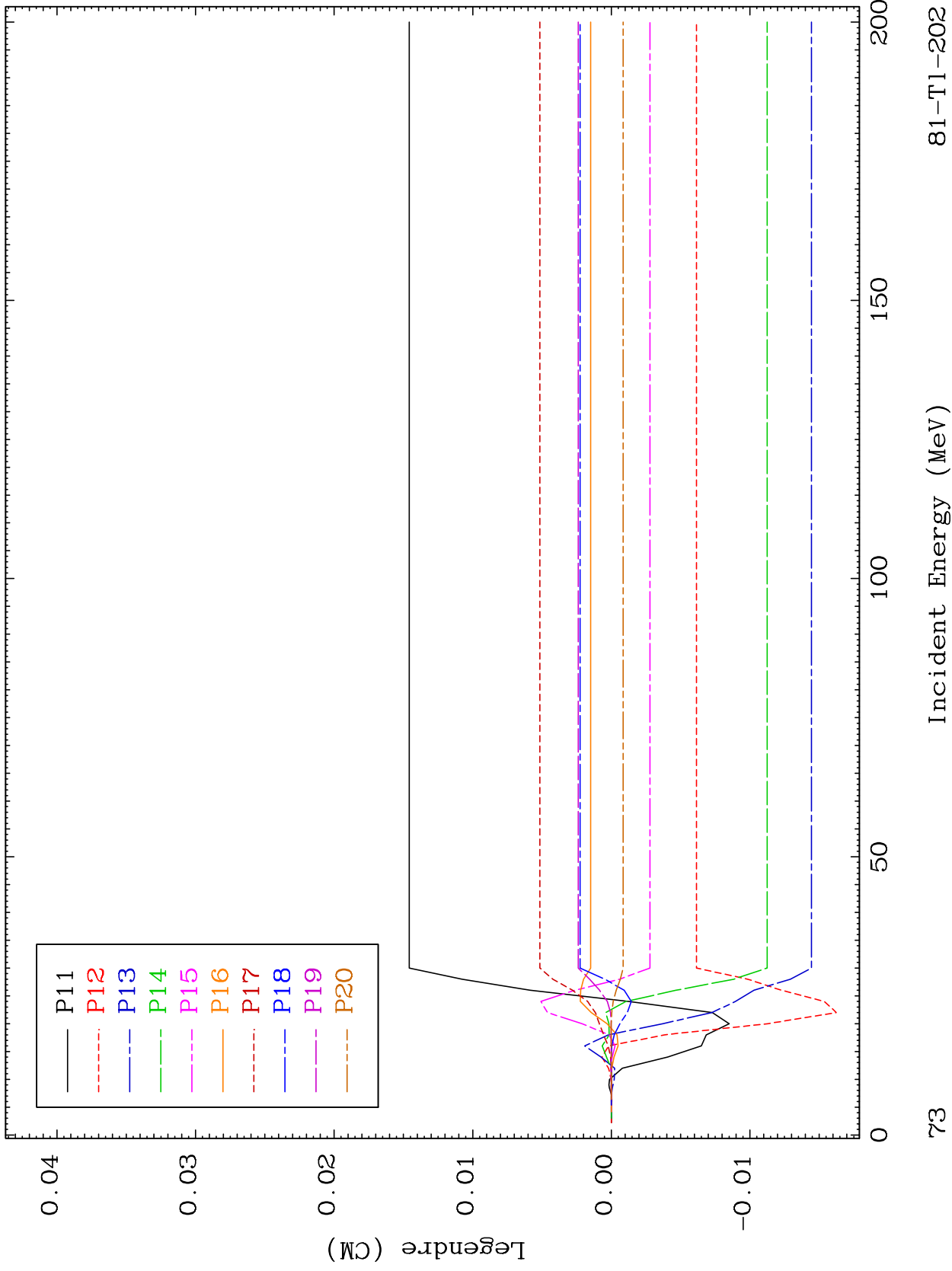
81-T1-202

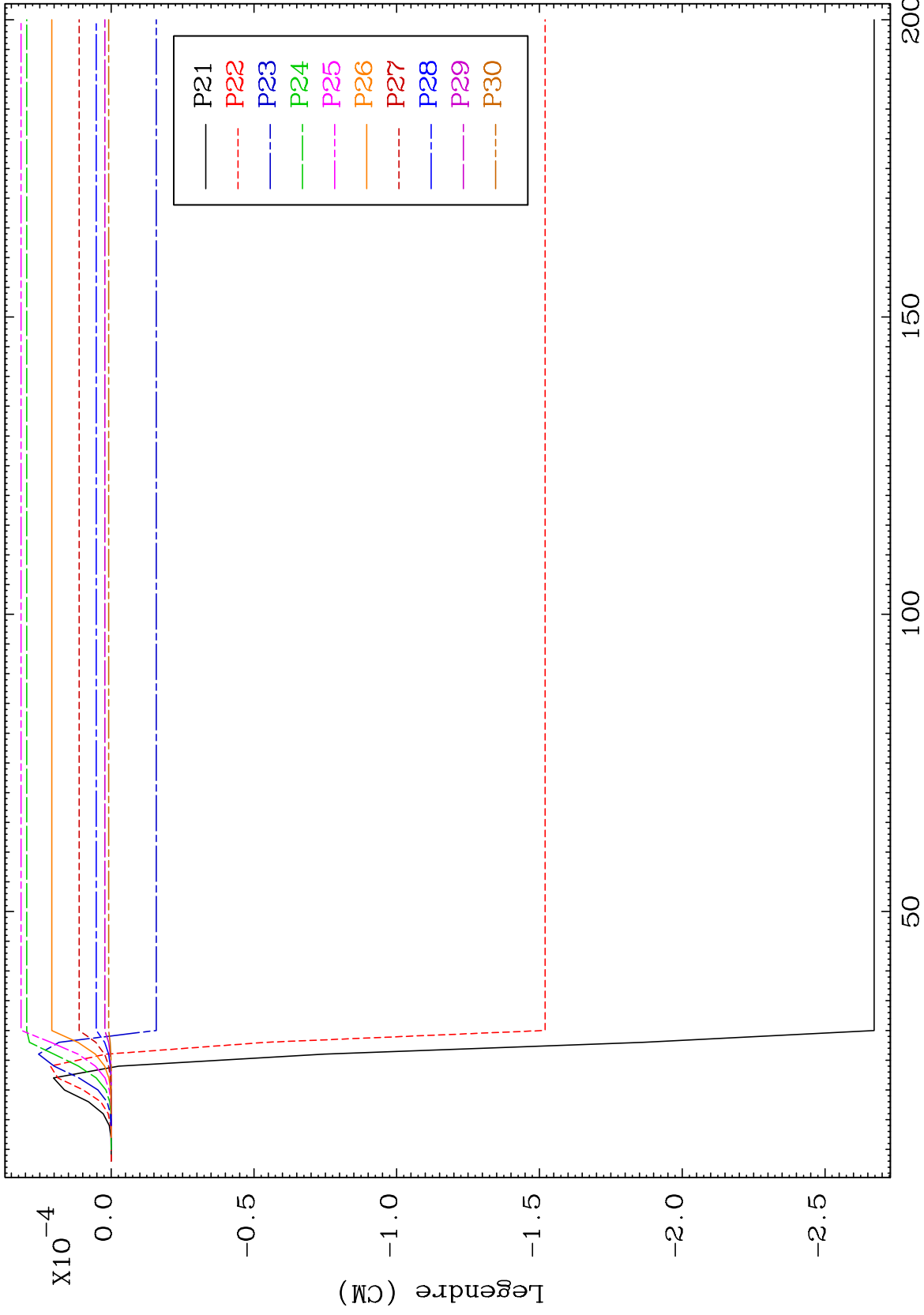


72

Incident Energy (MeV)

81-T1-202

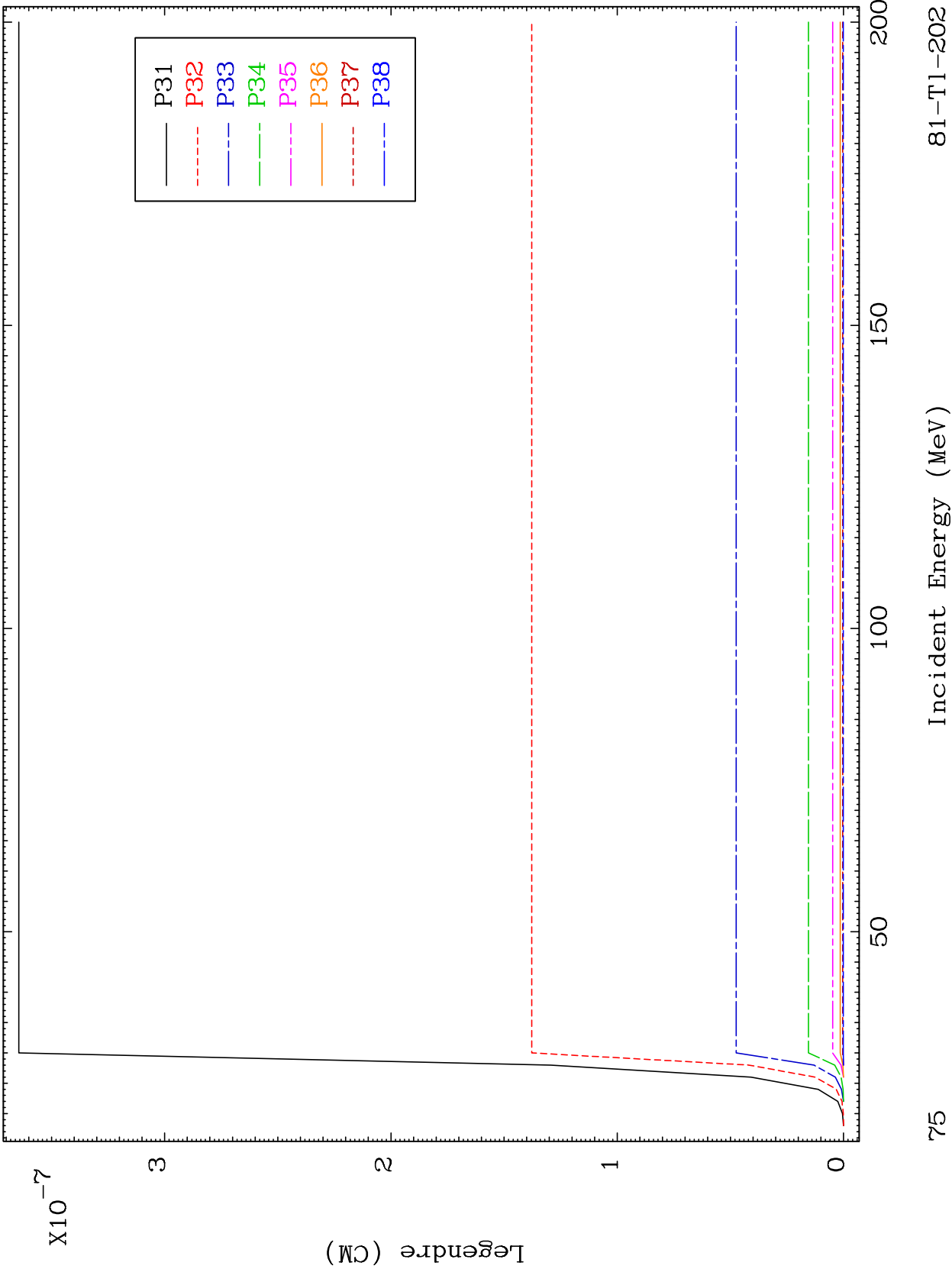




MAT 8122

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

81-T1-202



75

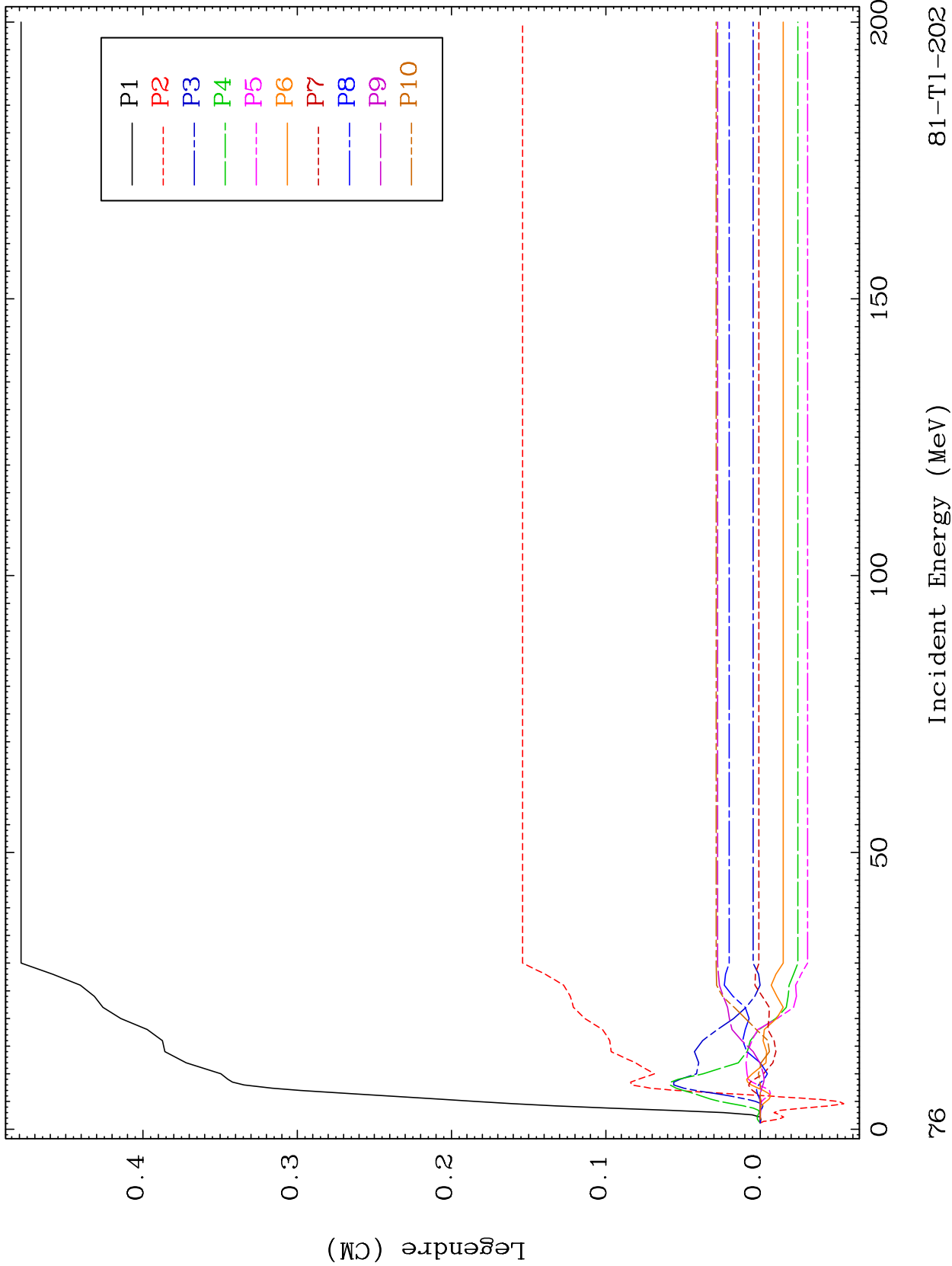
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



76

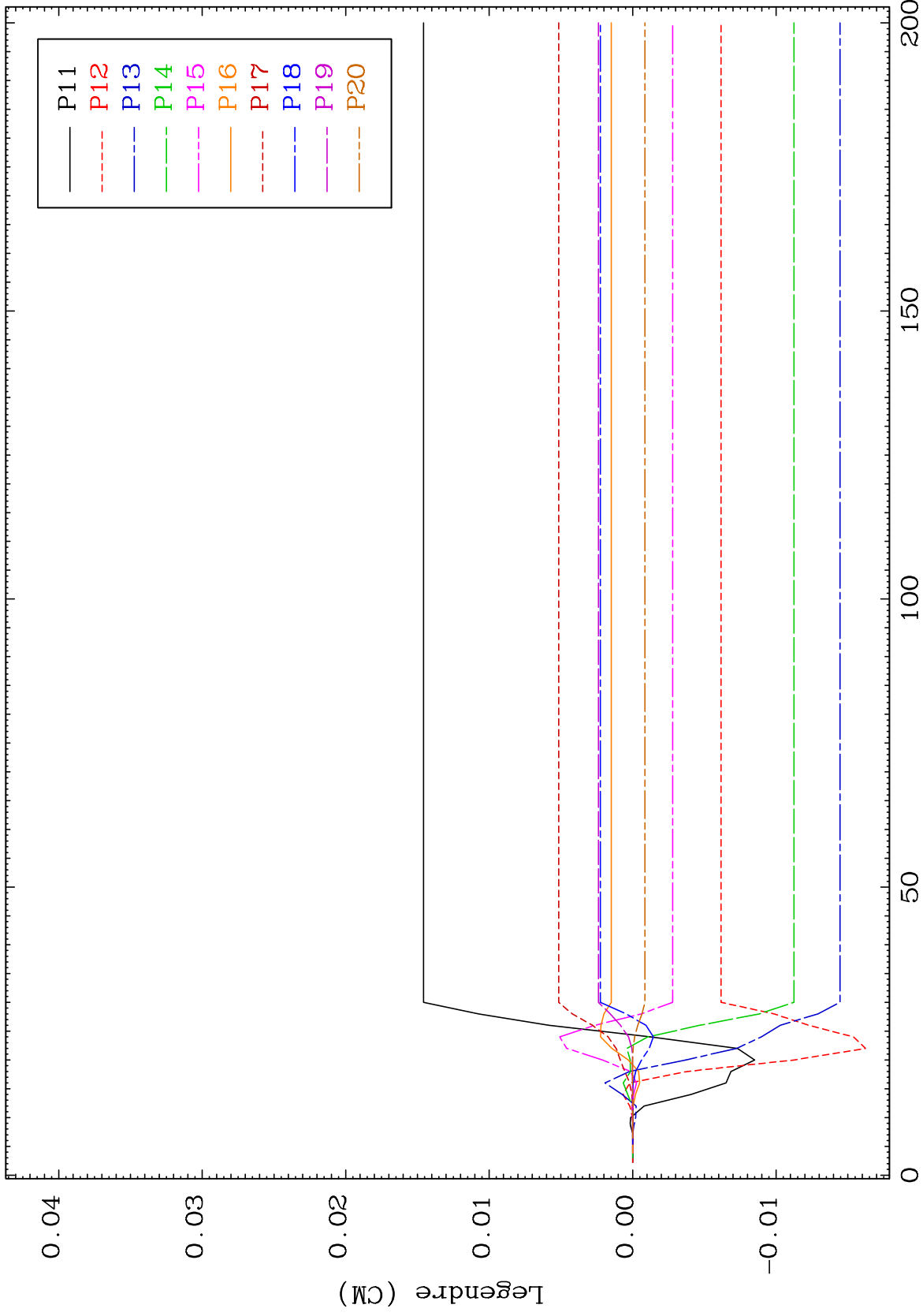
Incident Energy (MeV)

81-T1-202

MAT 8122

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

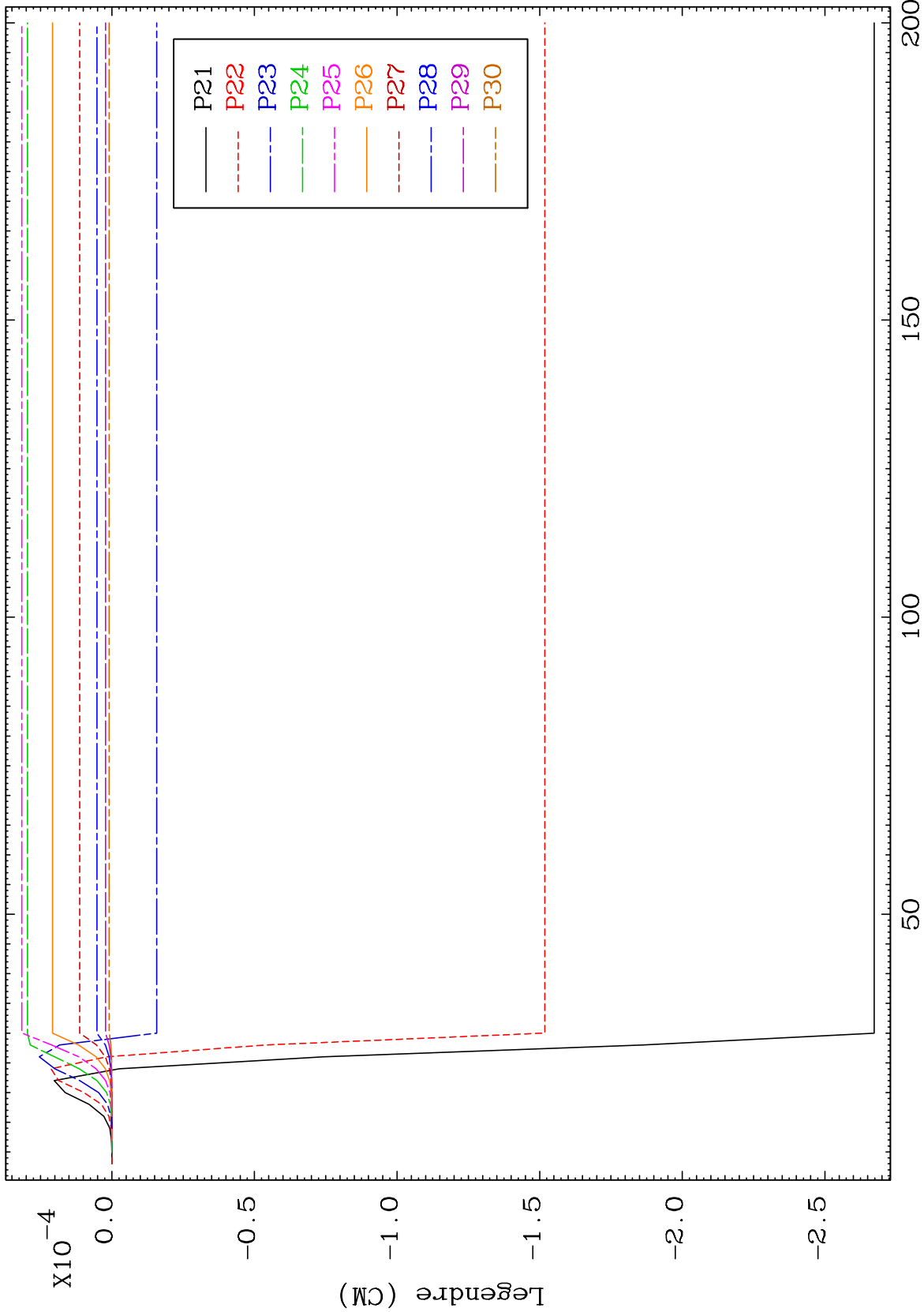
81-T1-202

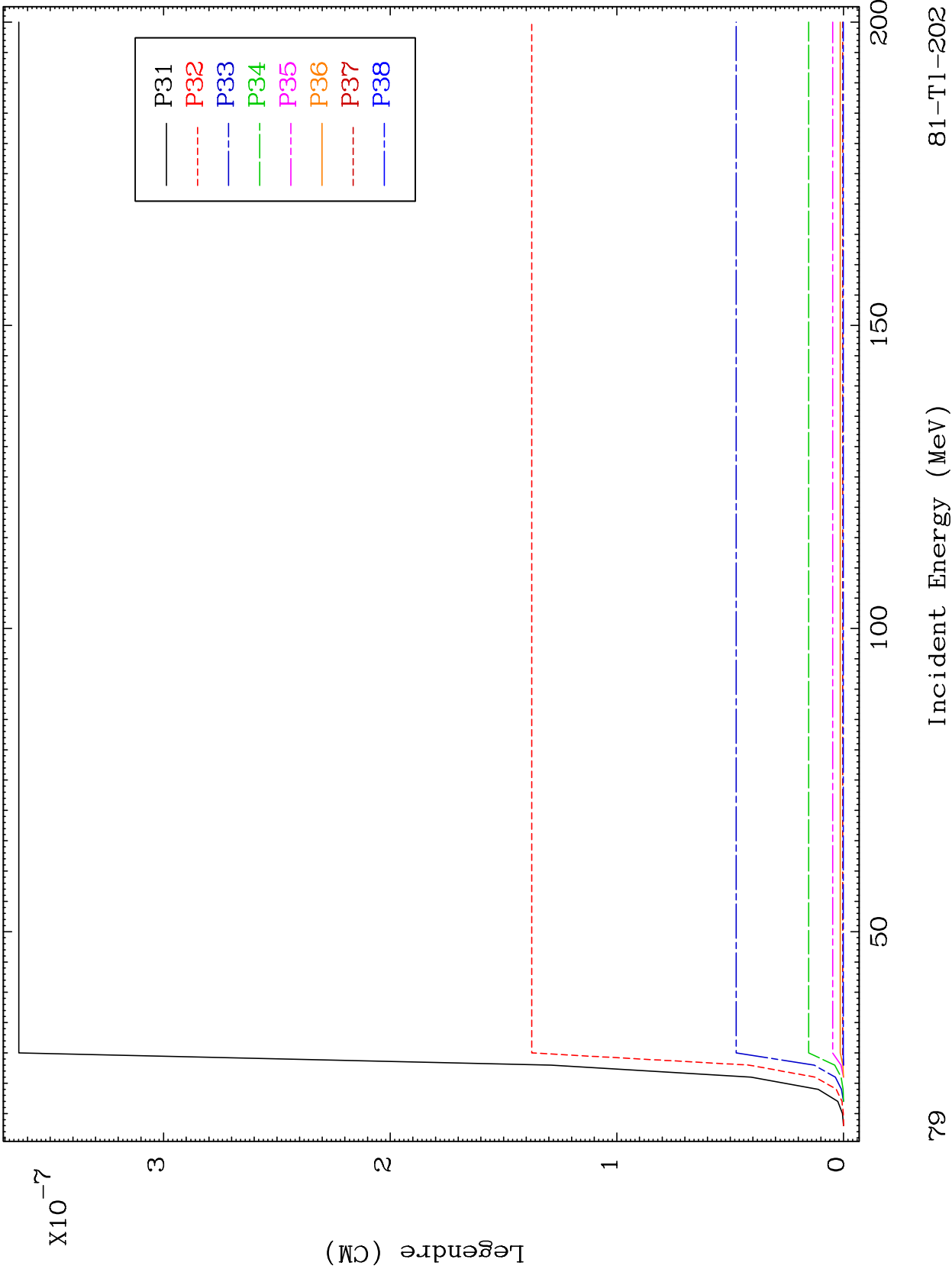


77

Incident Energy (MeV)

81-T1-202

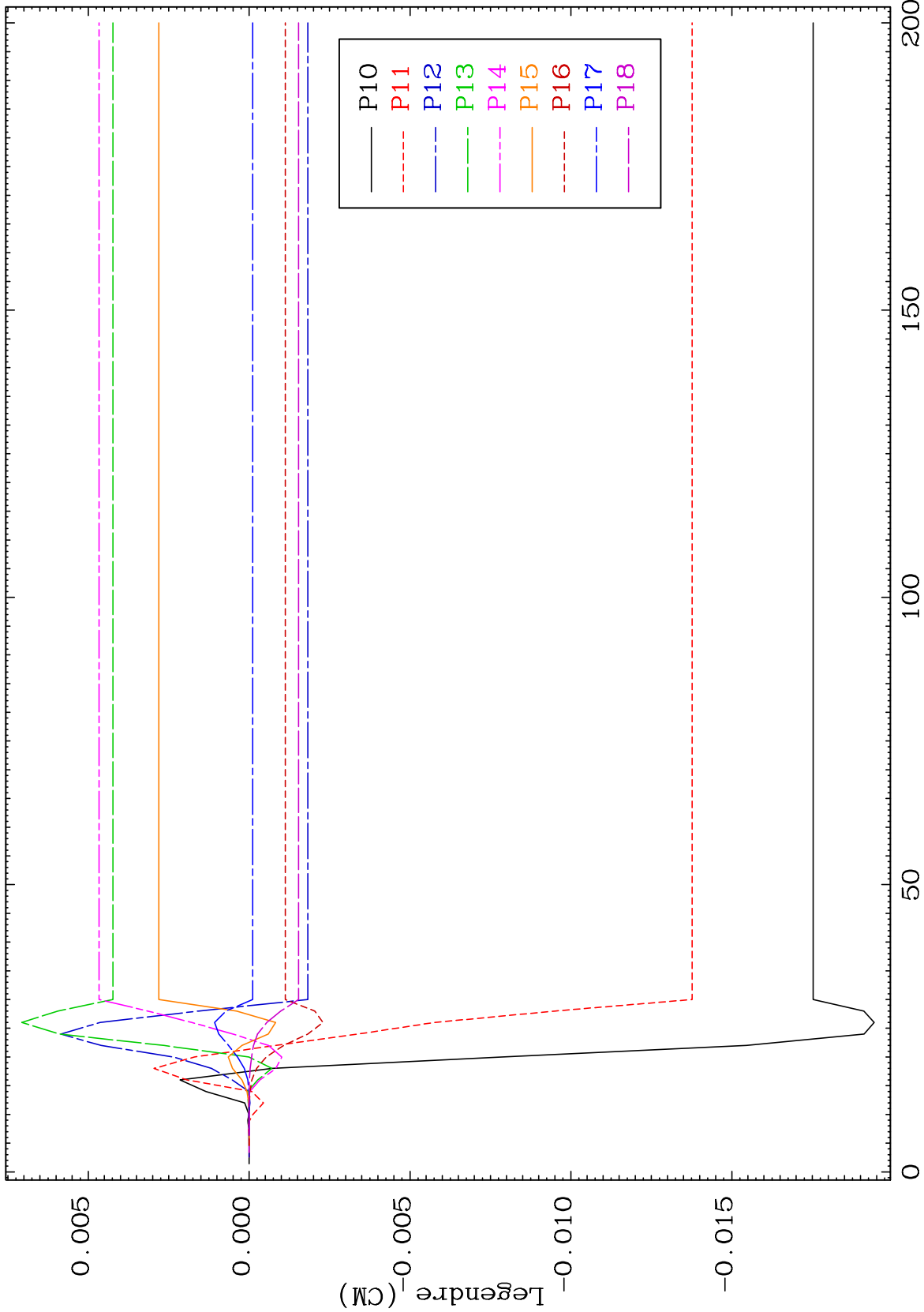




MAT 8122

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

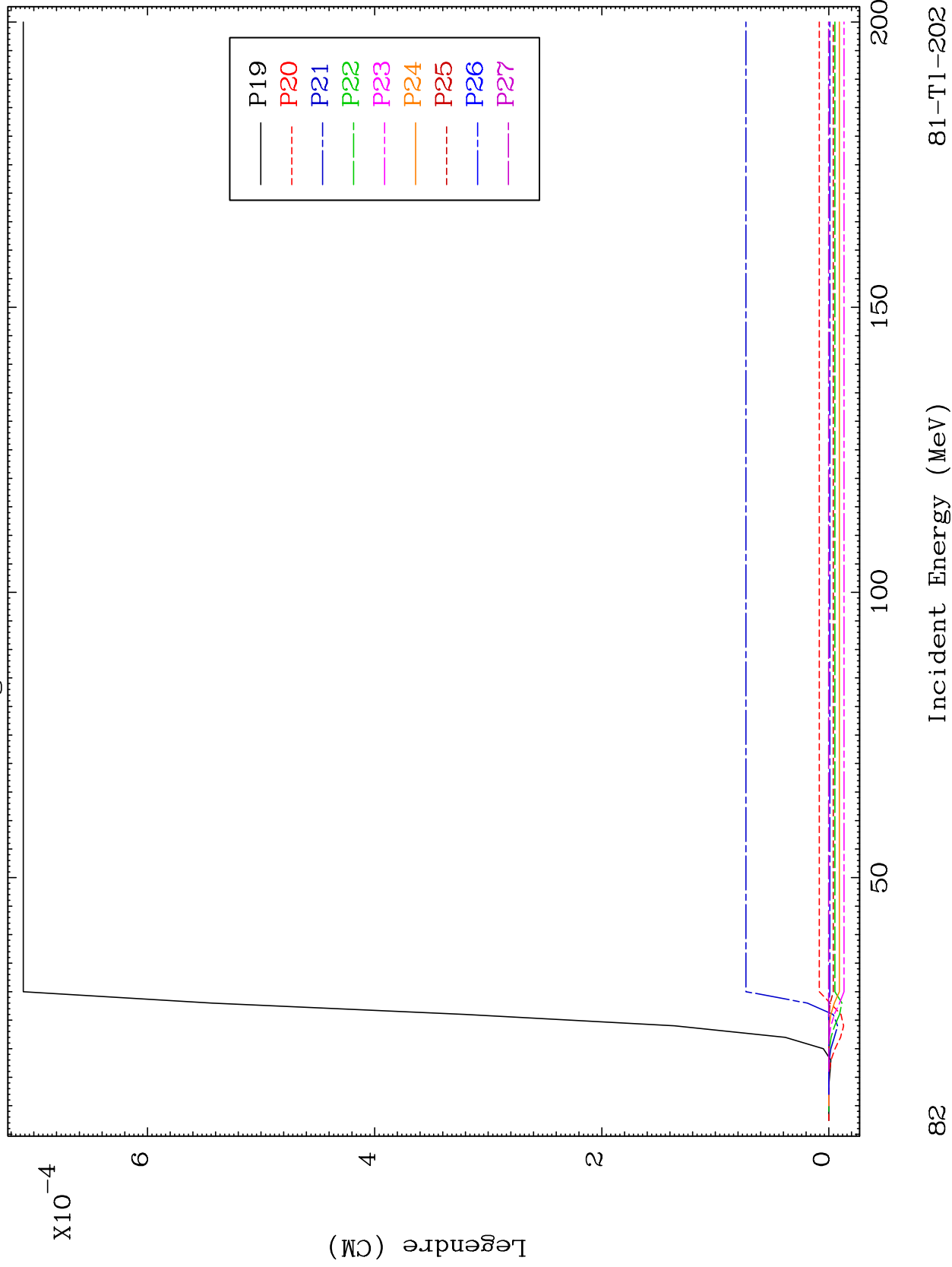
81-T1-202

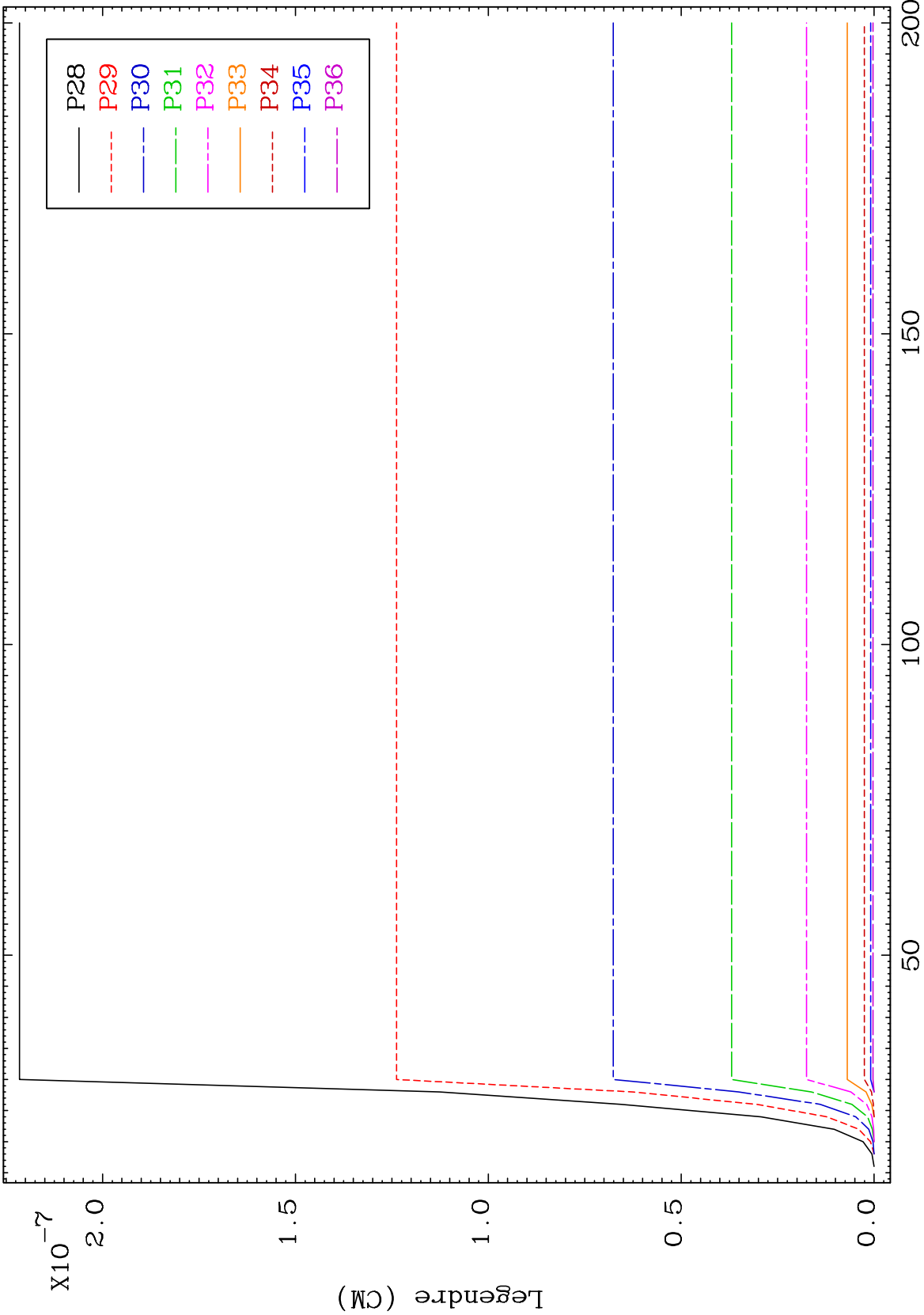


81

Incident Energy (MeV)

81-T1-202

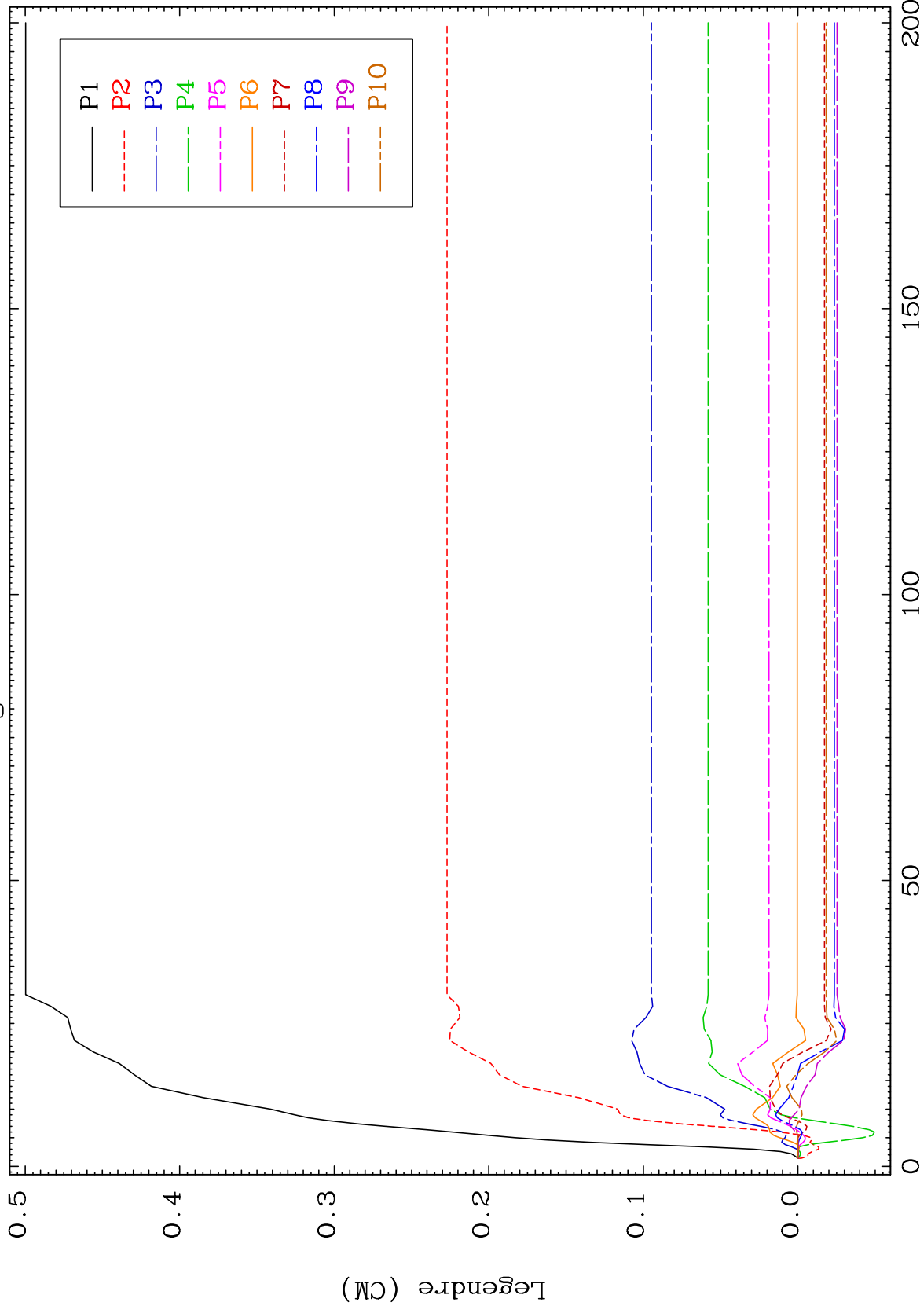




MAT 8122

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

81-T1-202



84

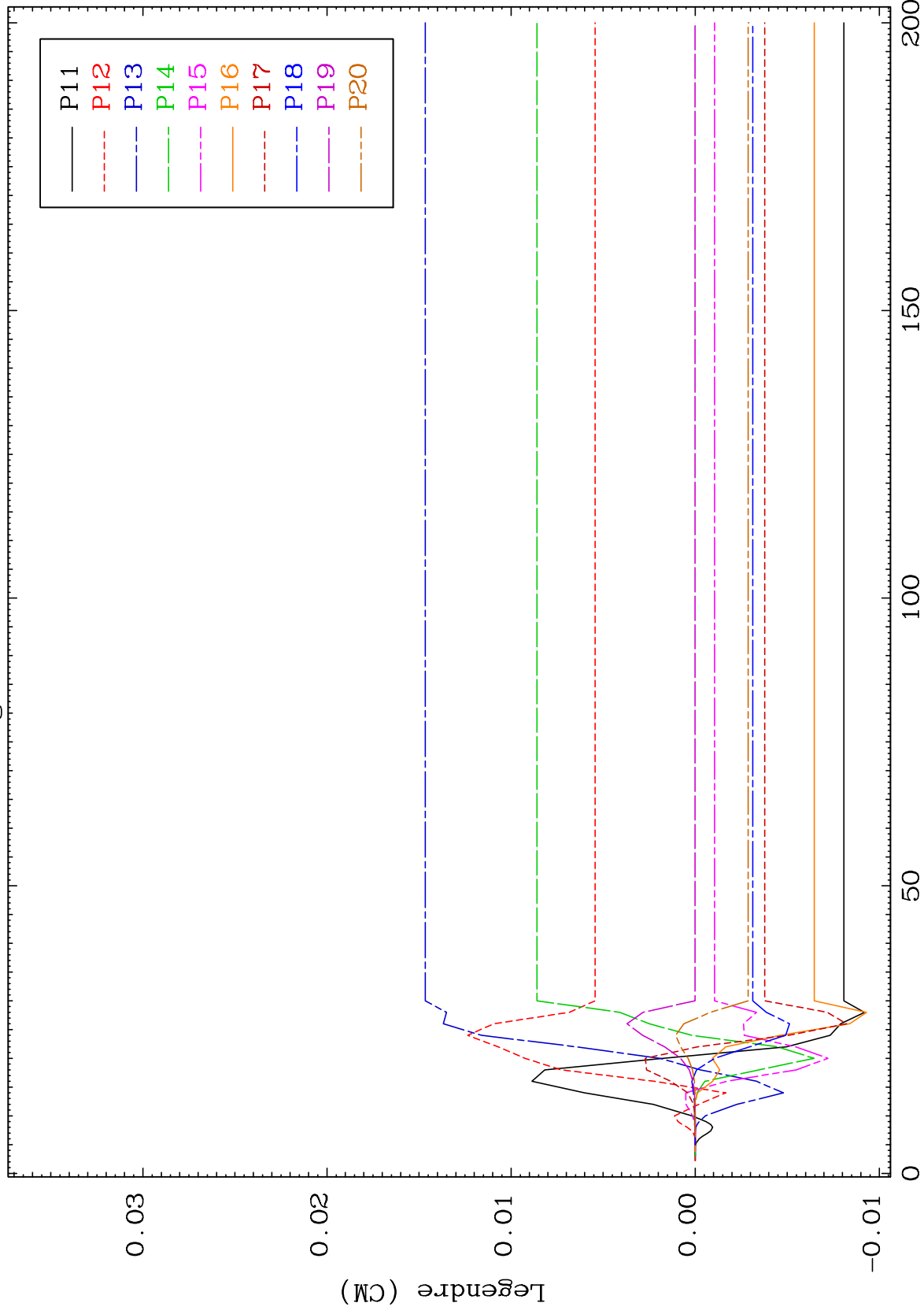
Incident Energy (MeV)

81-T1-202

MAT 8122

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

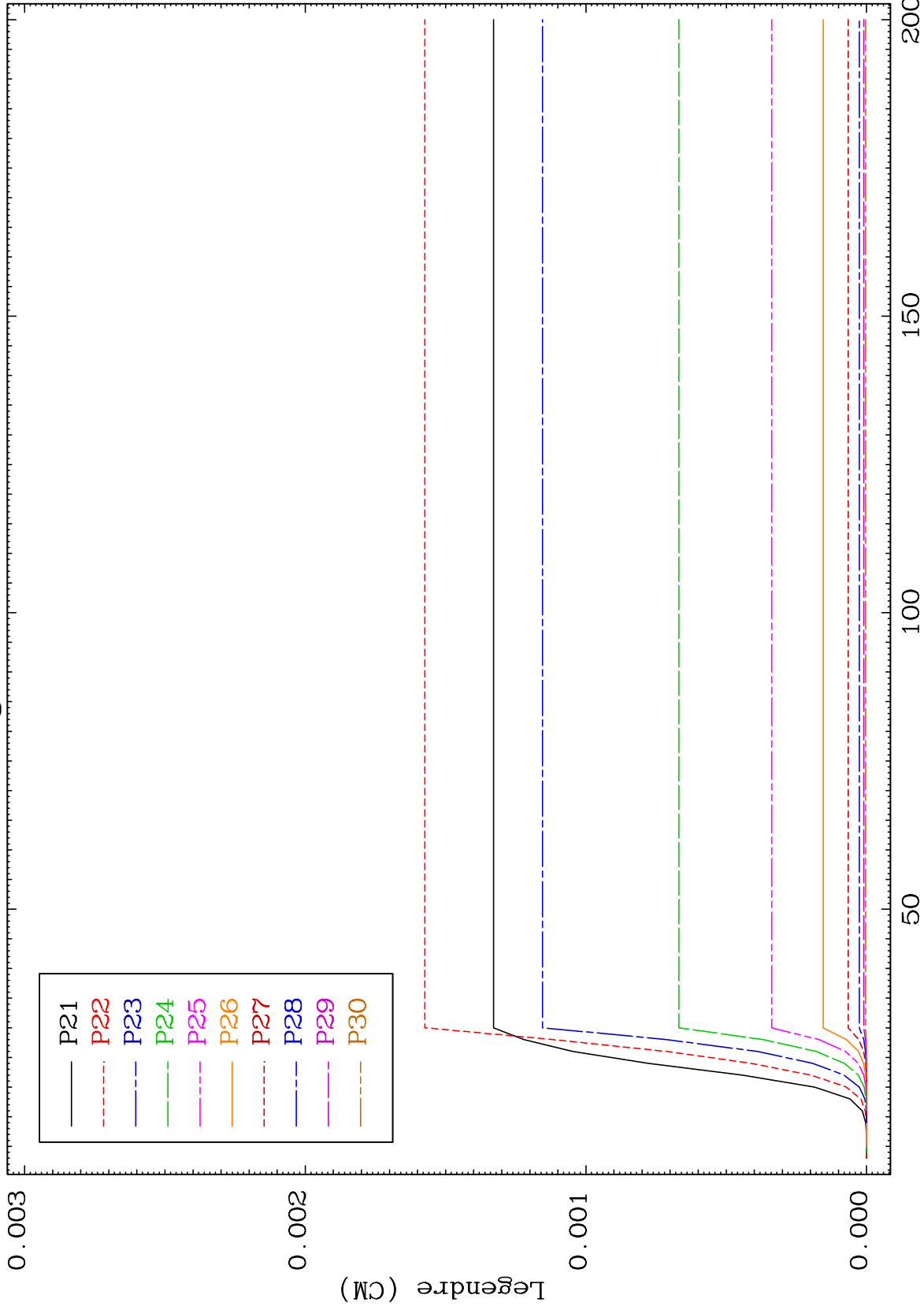
81-T1-202

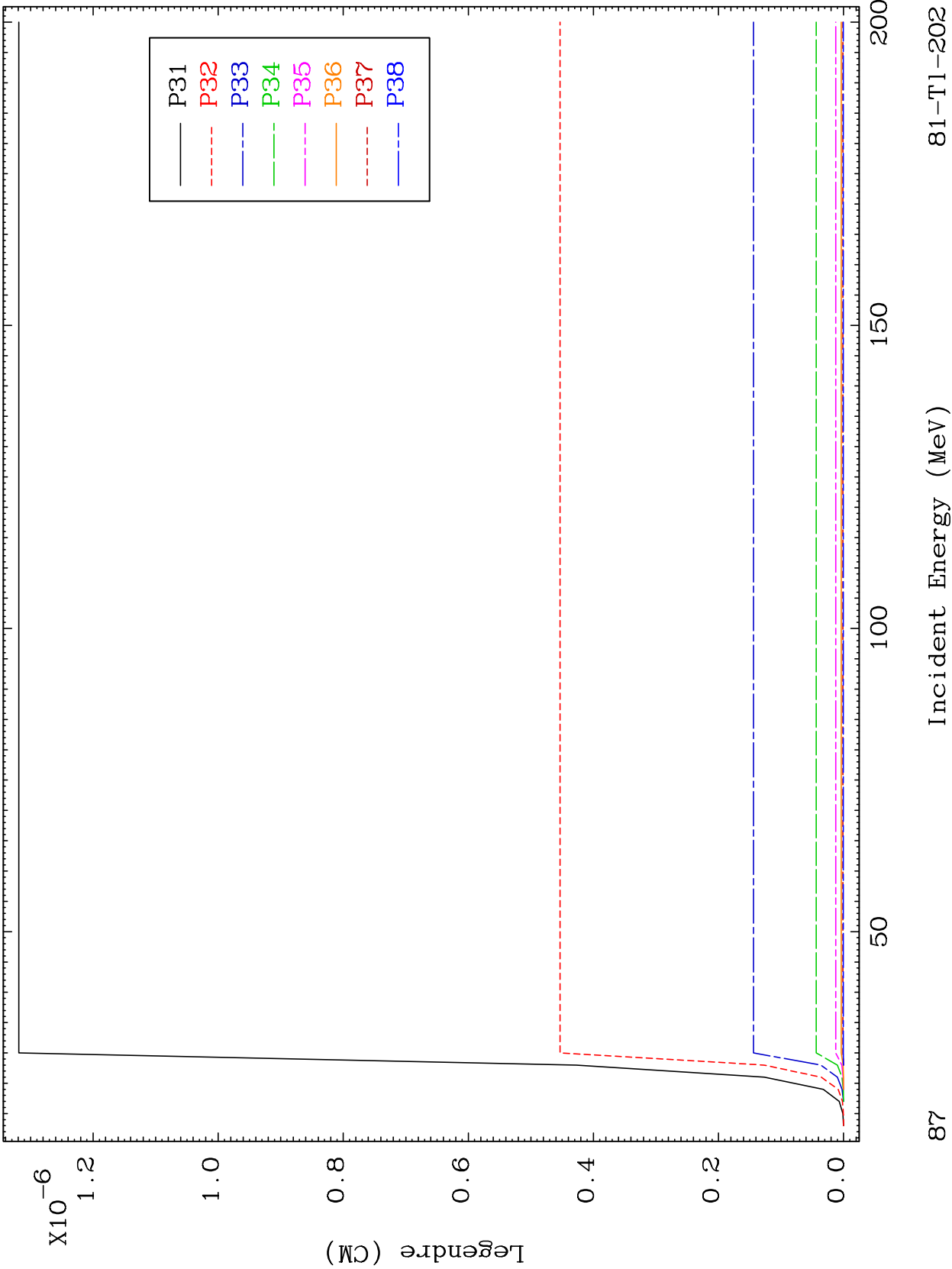


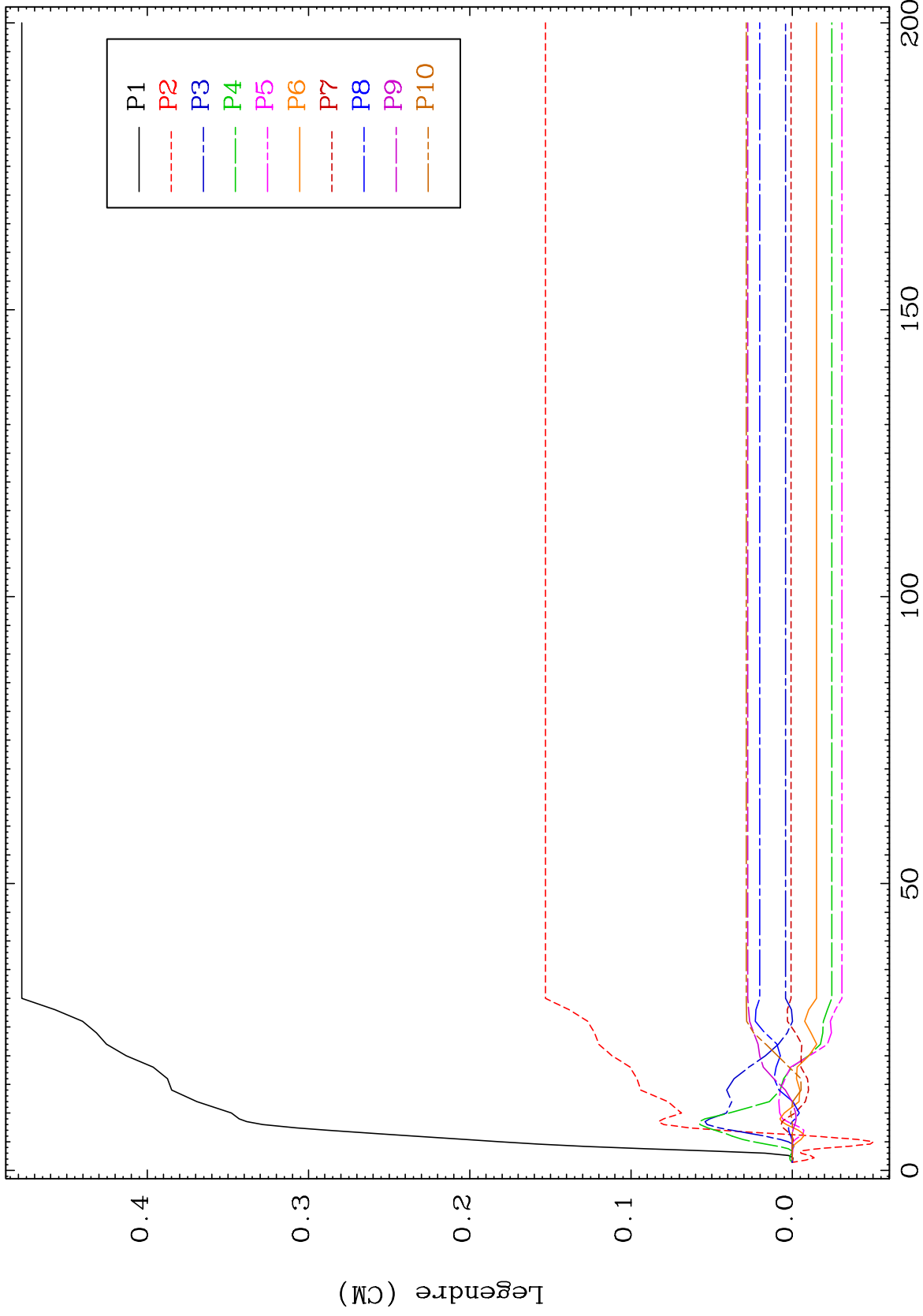
85

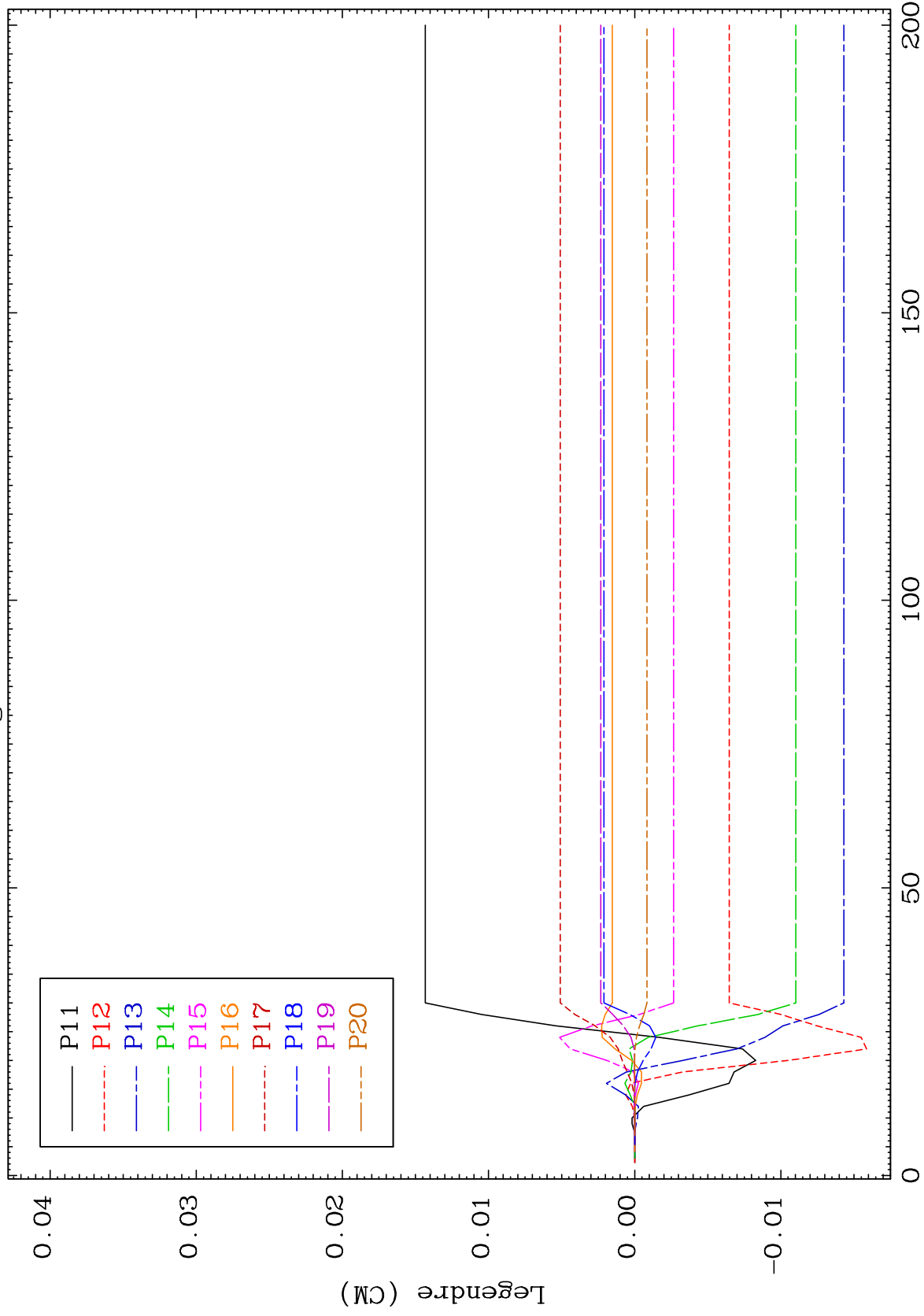
Incident Energy (MeV)

81-T1-202





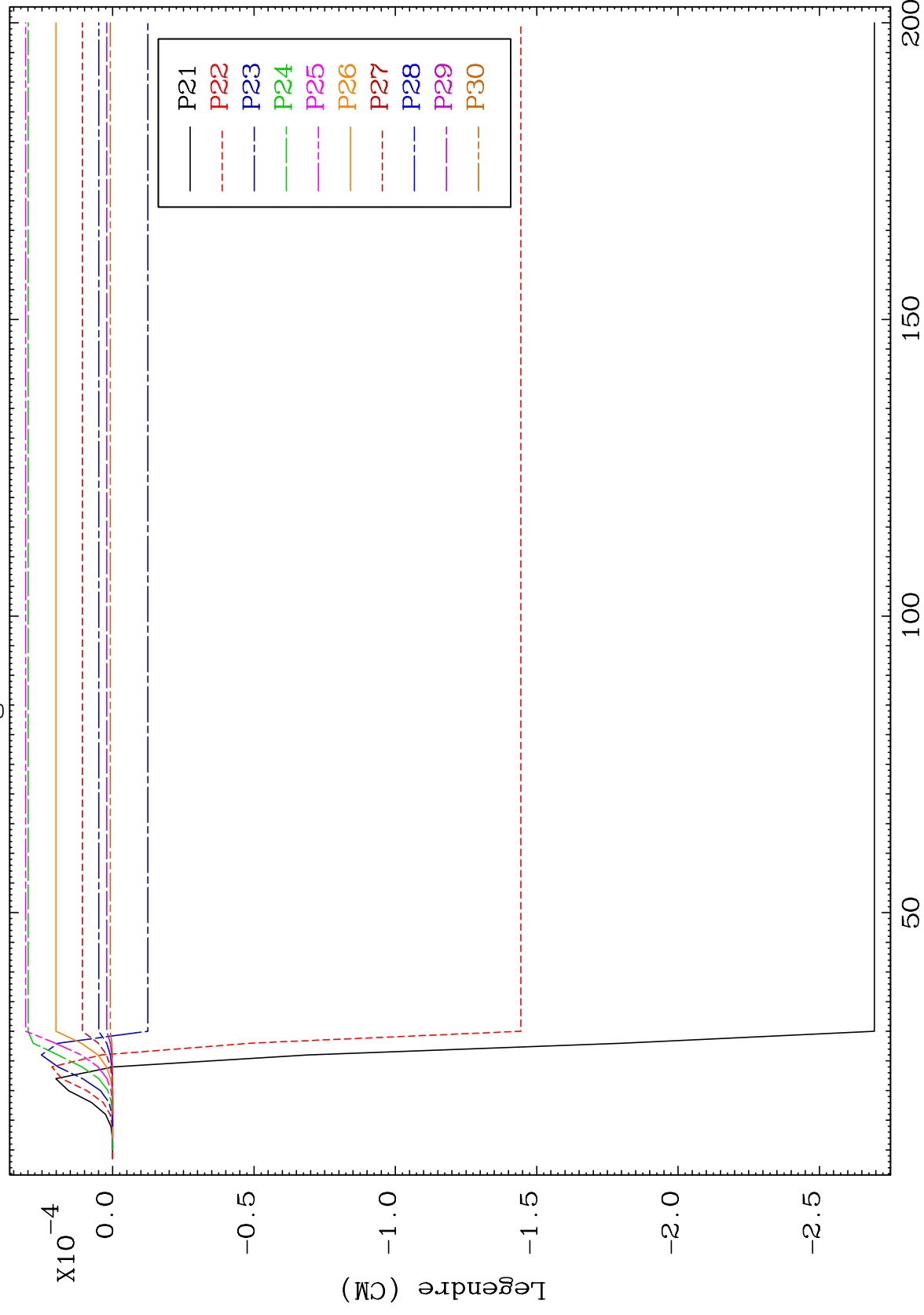




MAT 8122

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

81-T1-202



90

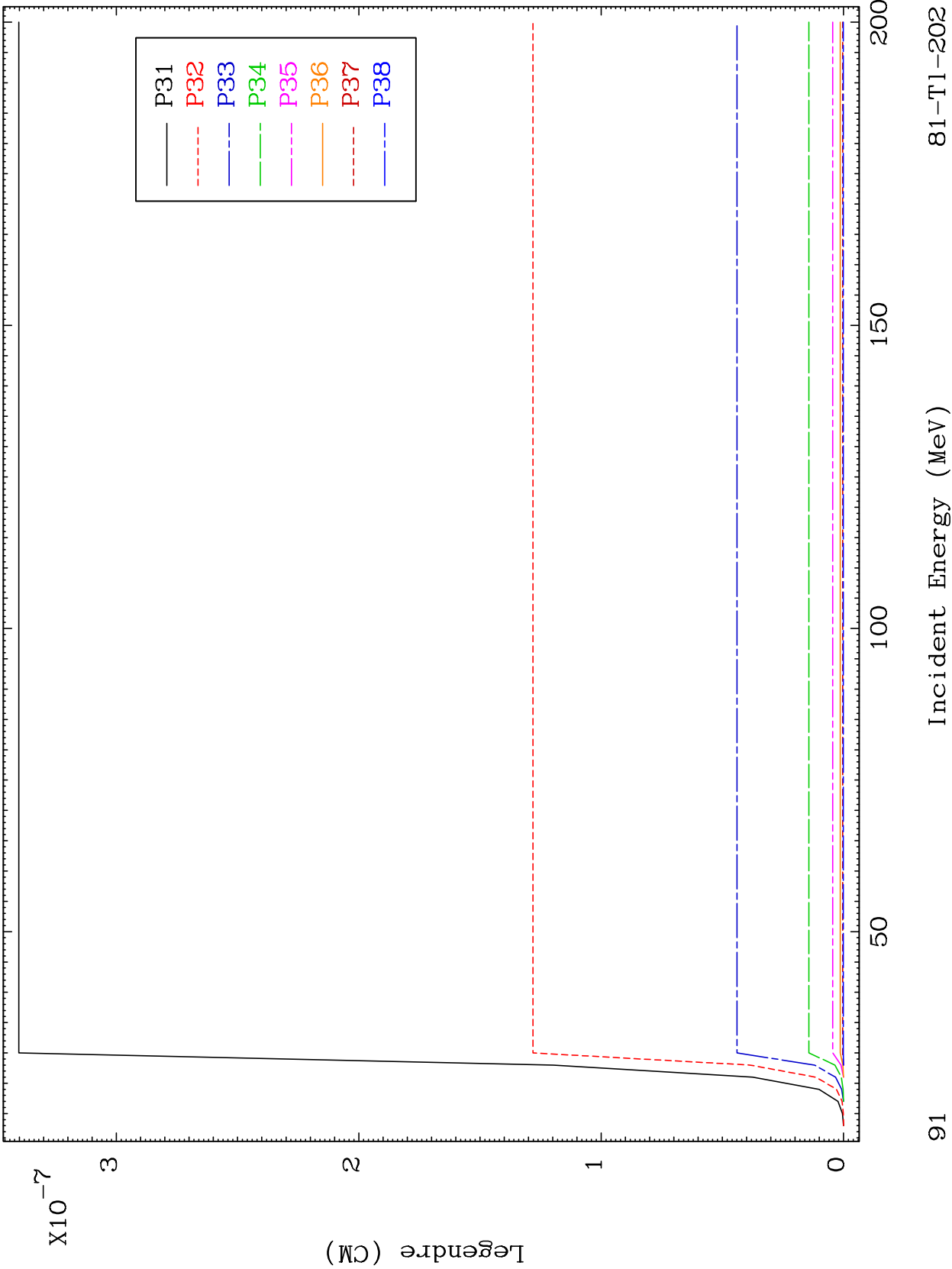
Incident Energy (MeV)

81-T1-202

MAT 8122

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

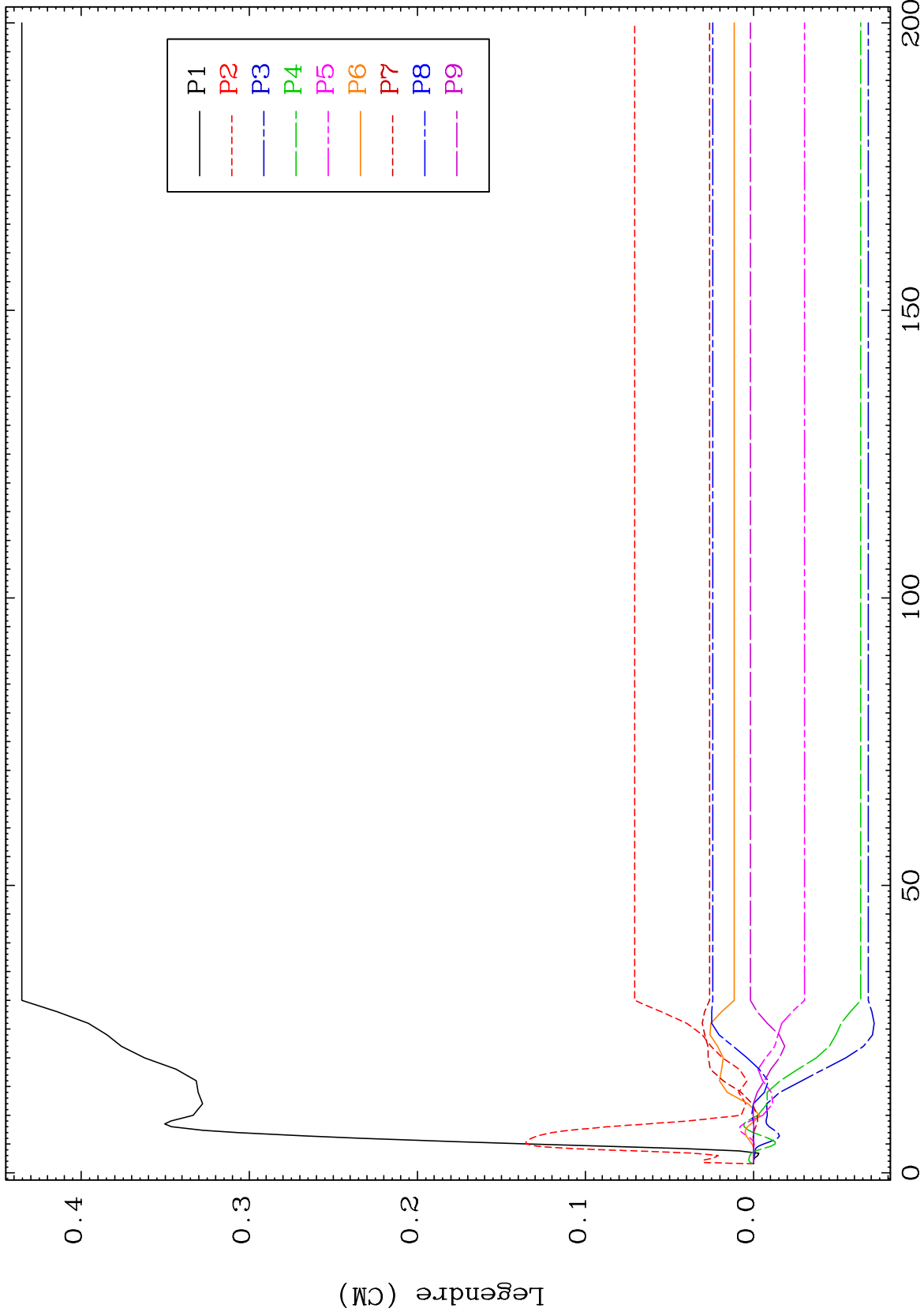
81-T1-202



MAT 8122

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

81-T1-202



92

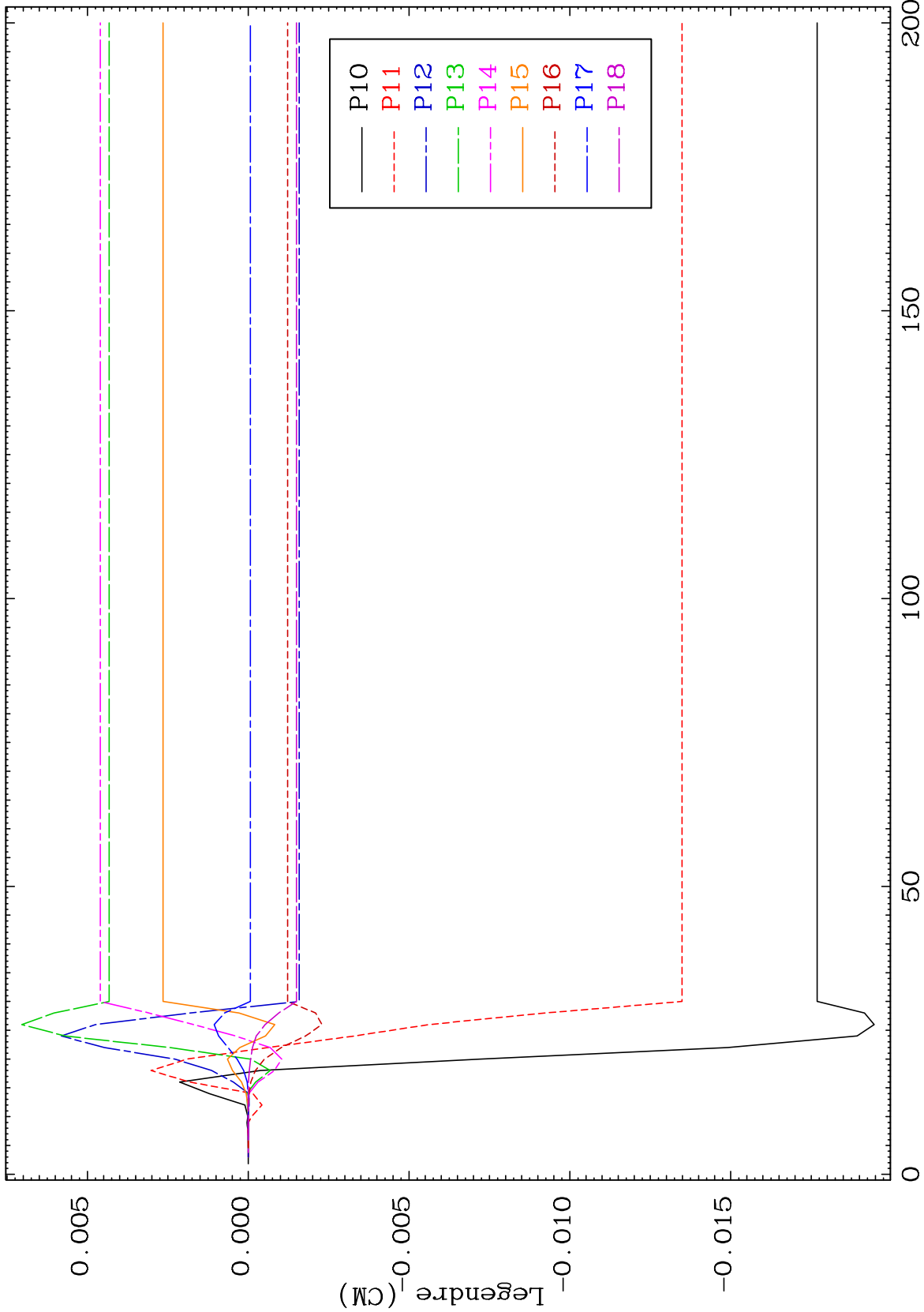
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



93

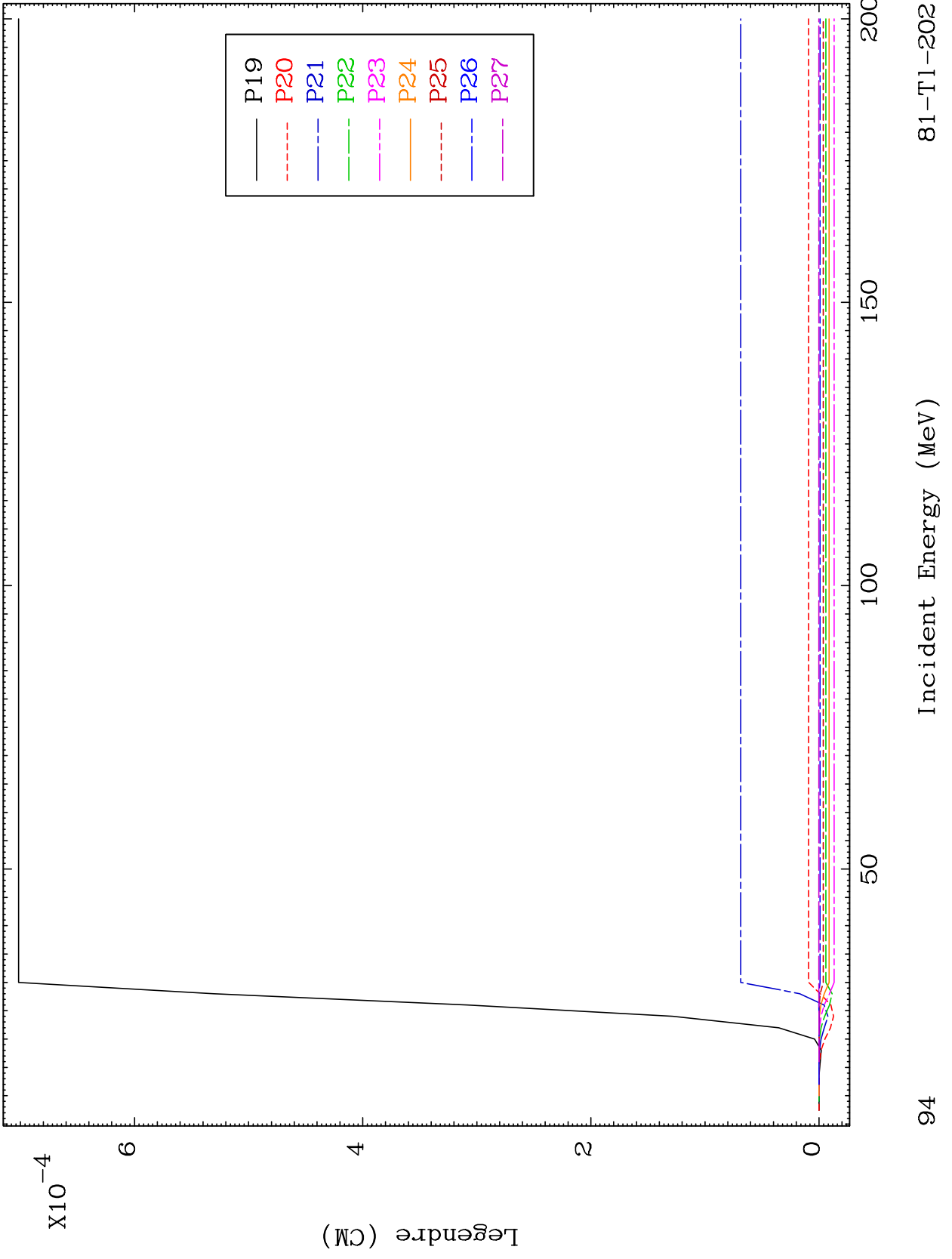
Incident Energy (MeV)

81-T1-202

MAT 8122

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

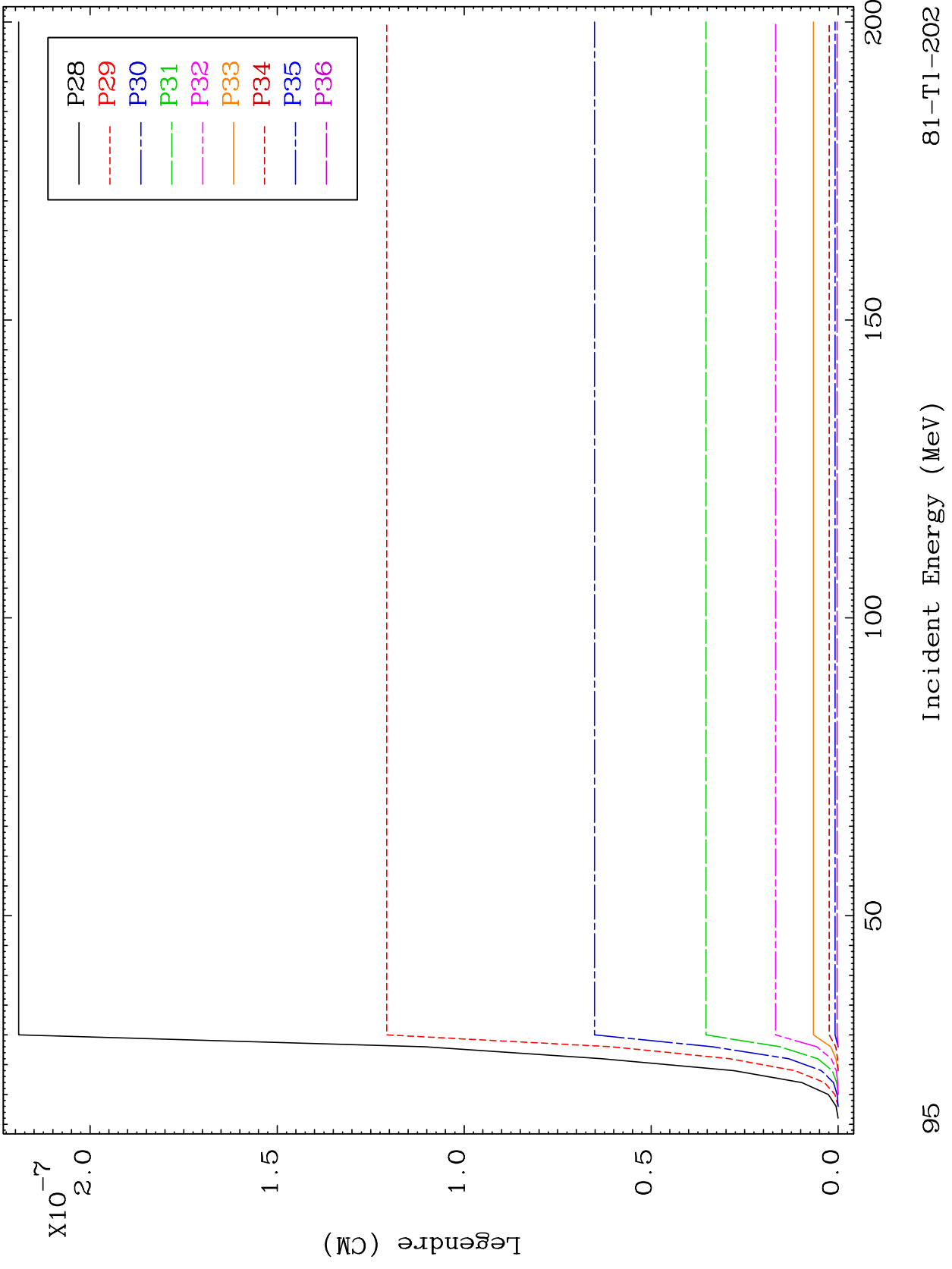
81-T1-202



MAT 8122

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

81-T1-202



95

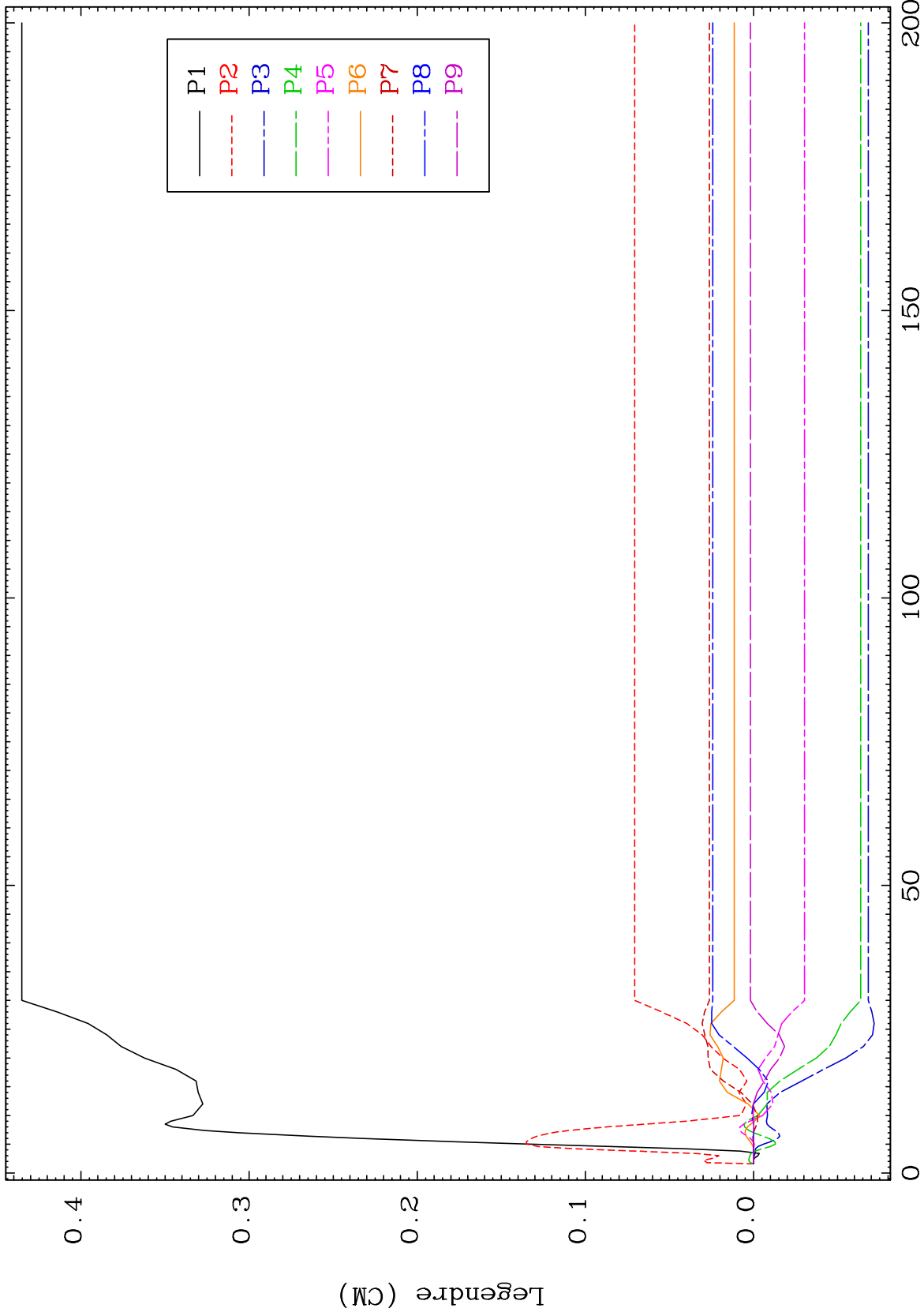
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



96

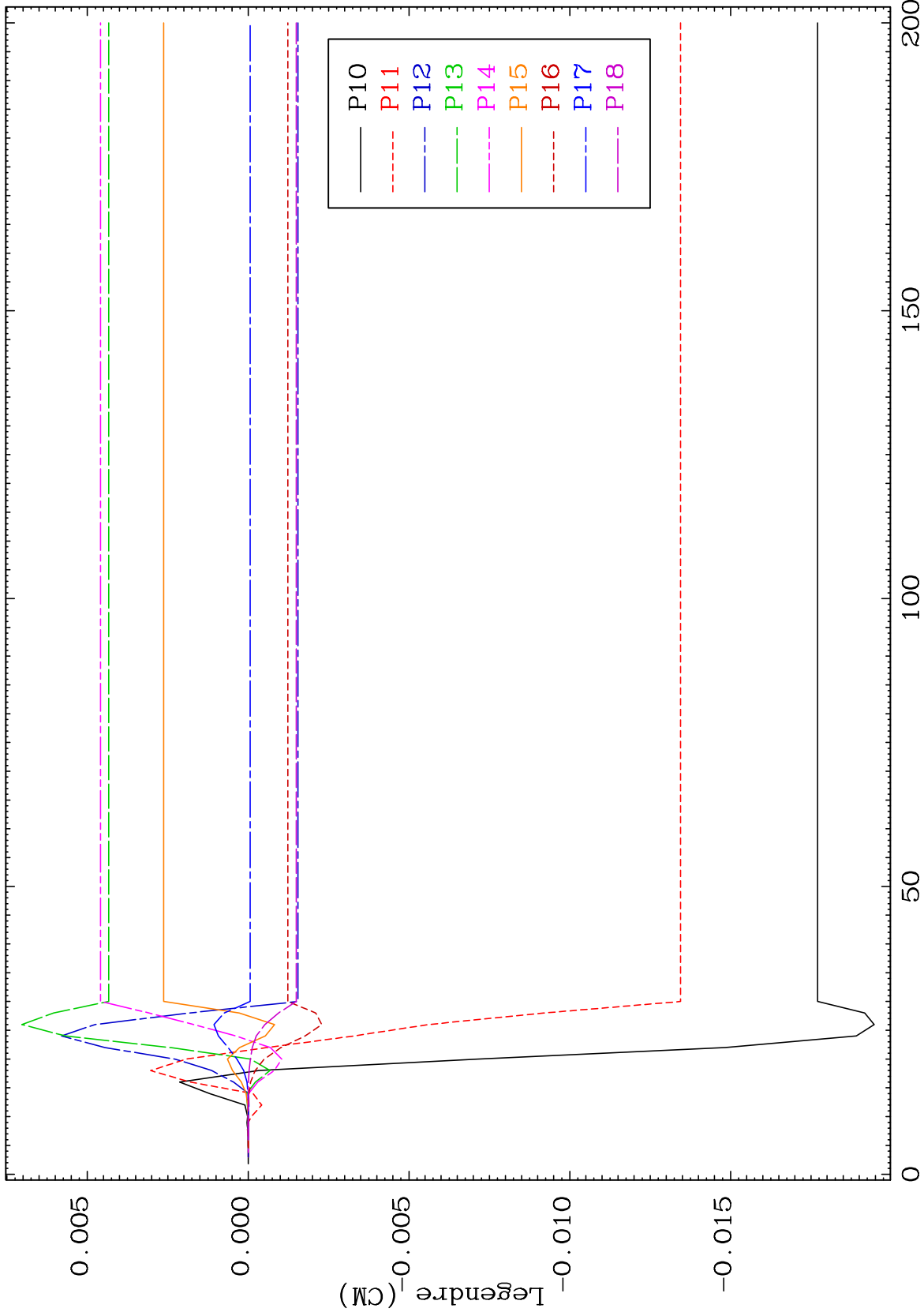
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



97

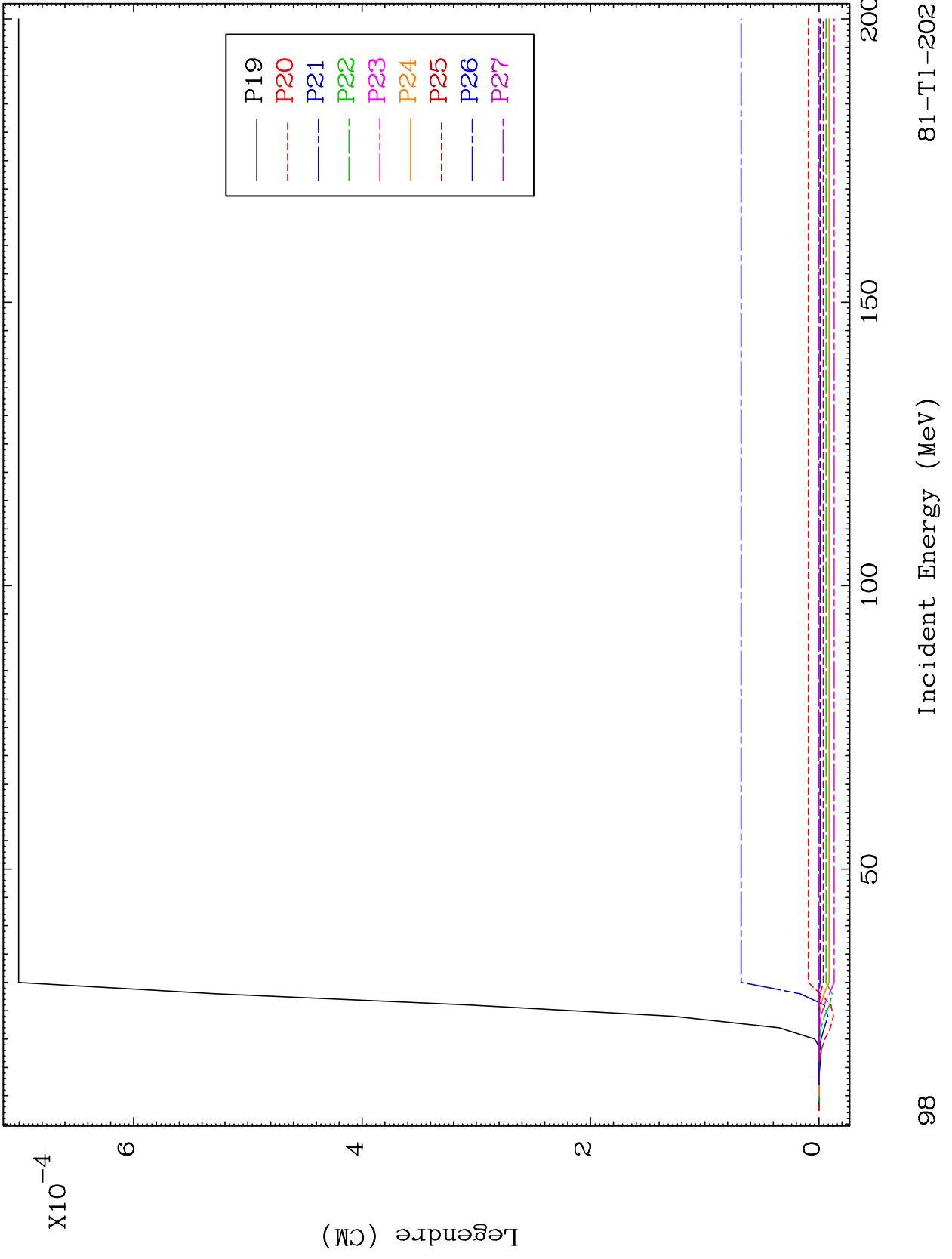
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



98

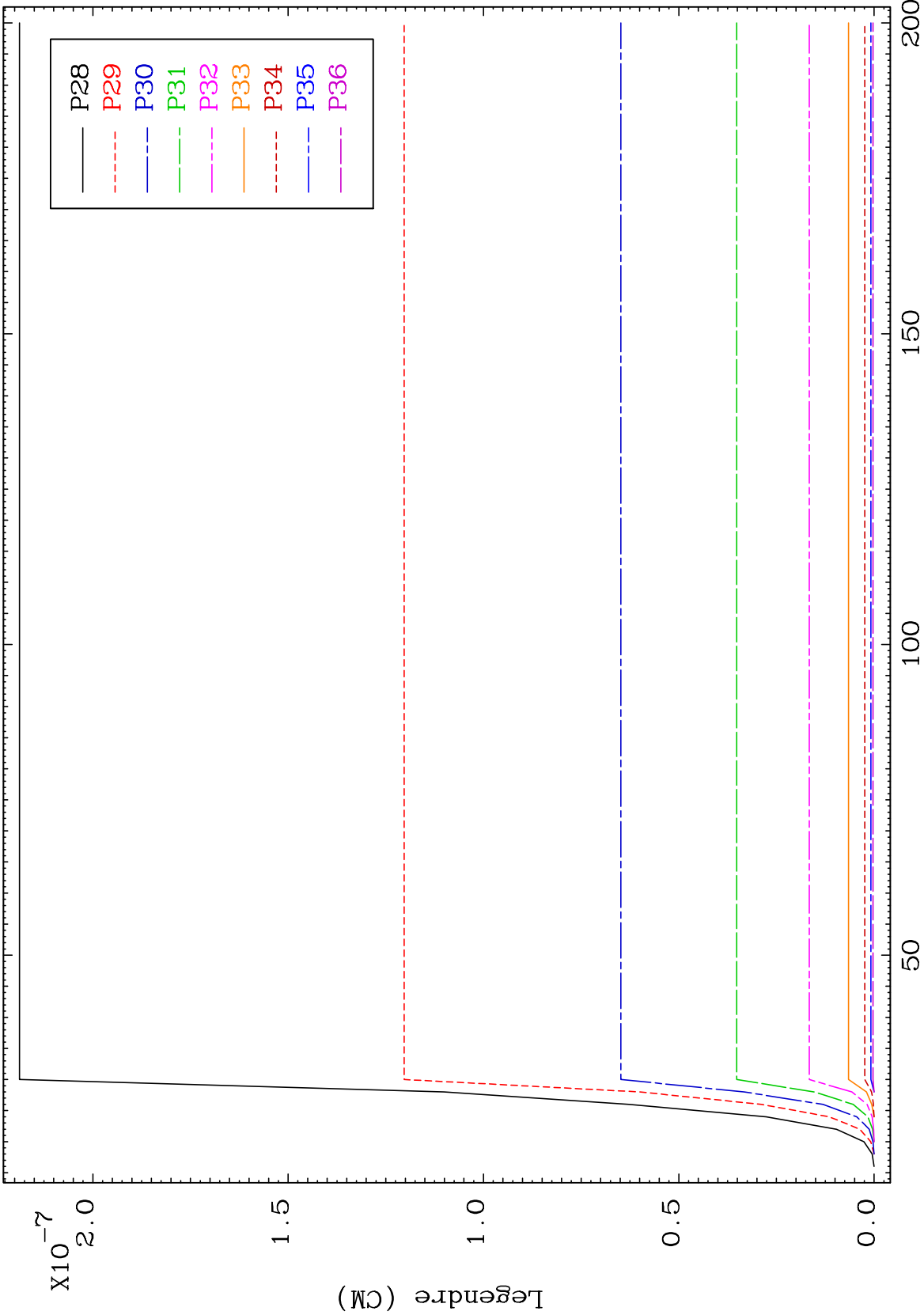
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



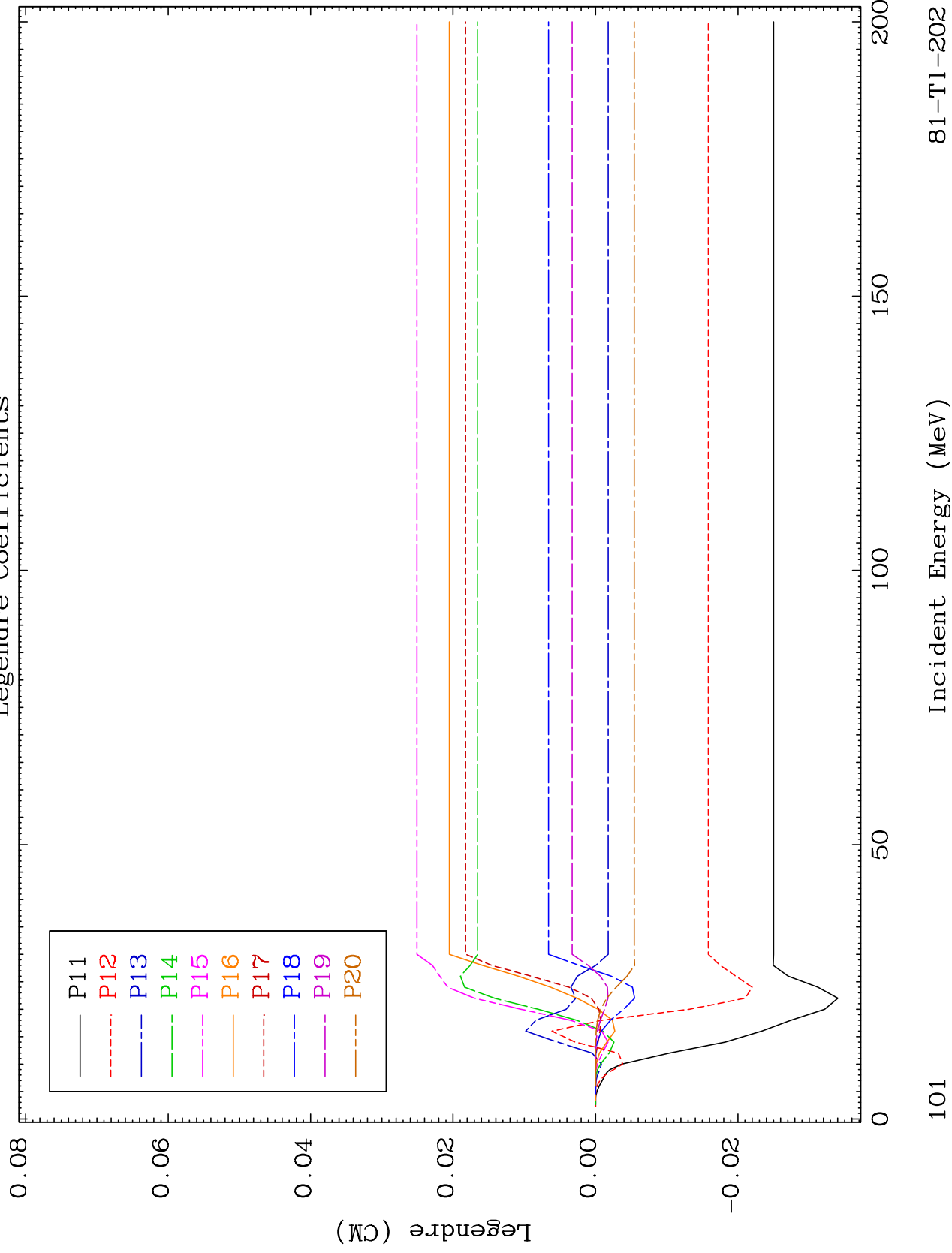
99

81-T1-202

MAT 8122

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

81-T1-202



101

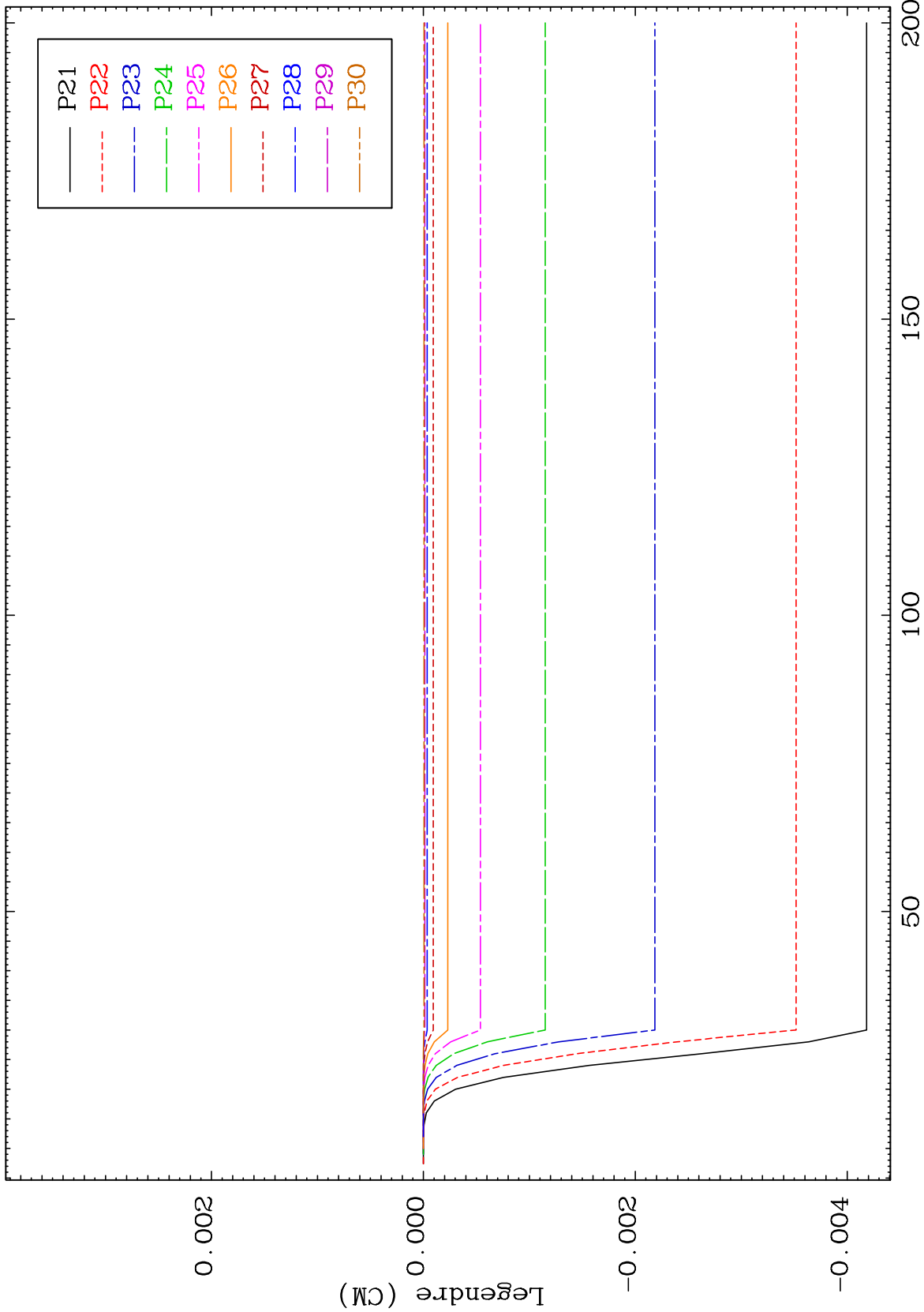
Incident Energy (MeV)

81-T1-202

MAT 8122

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

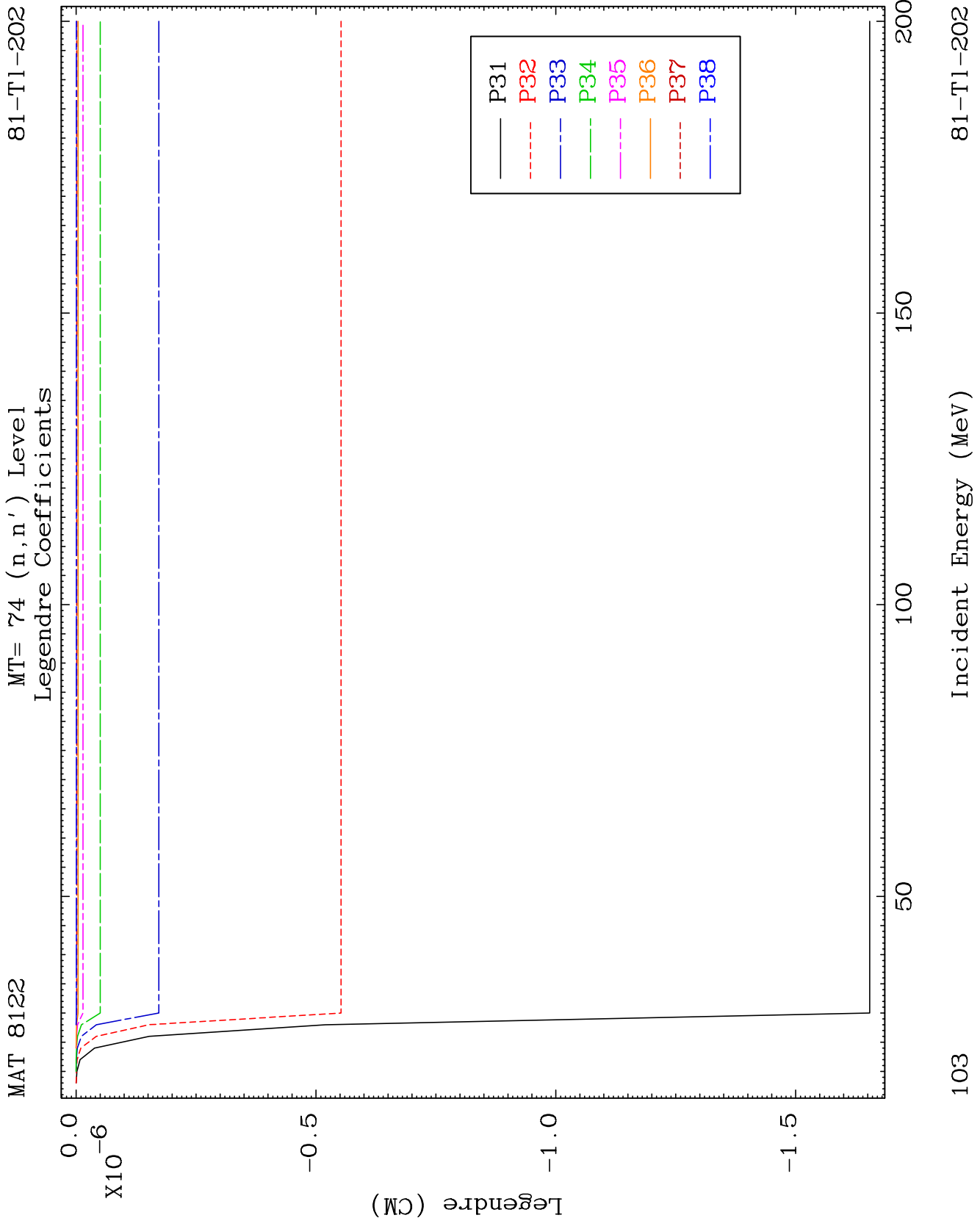
81-T1-202



102

Incident Energy (MeV)

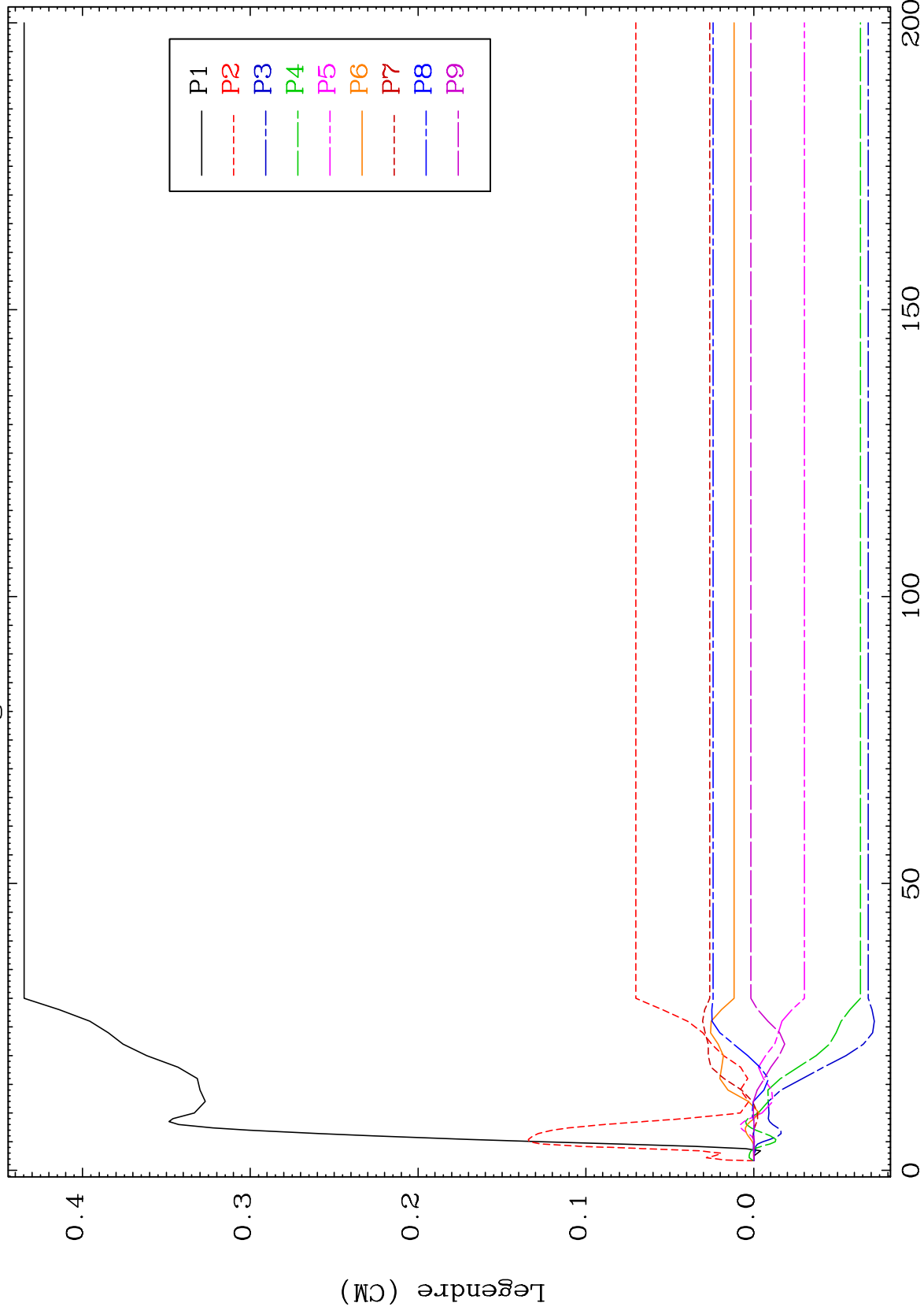
81-T1-202



MAT 8122

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

81-T1-202



104

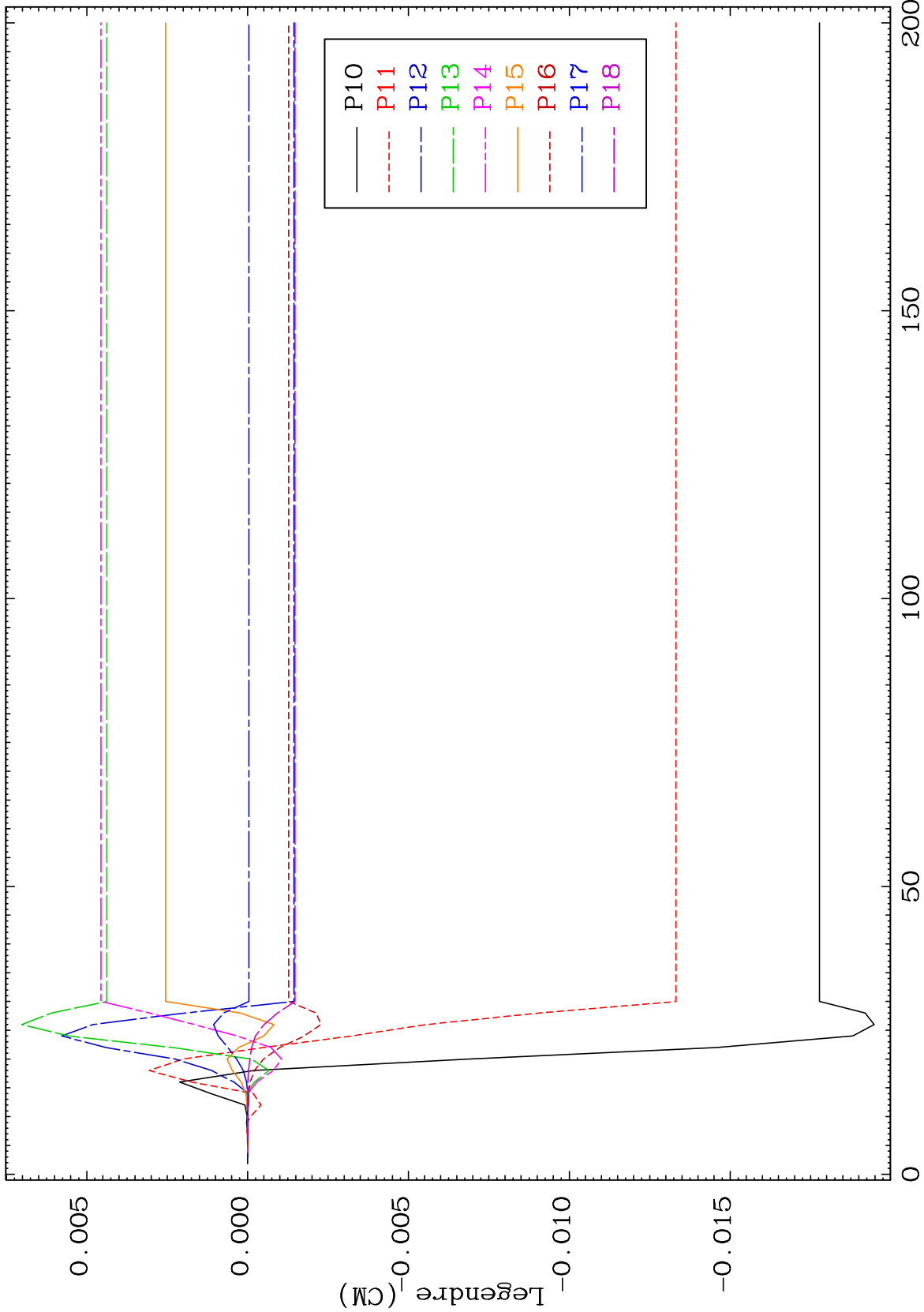
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



105

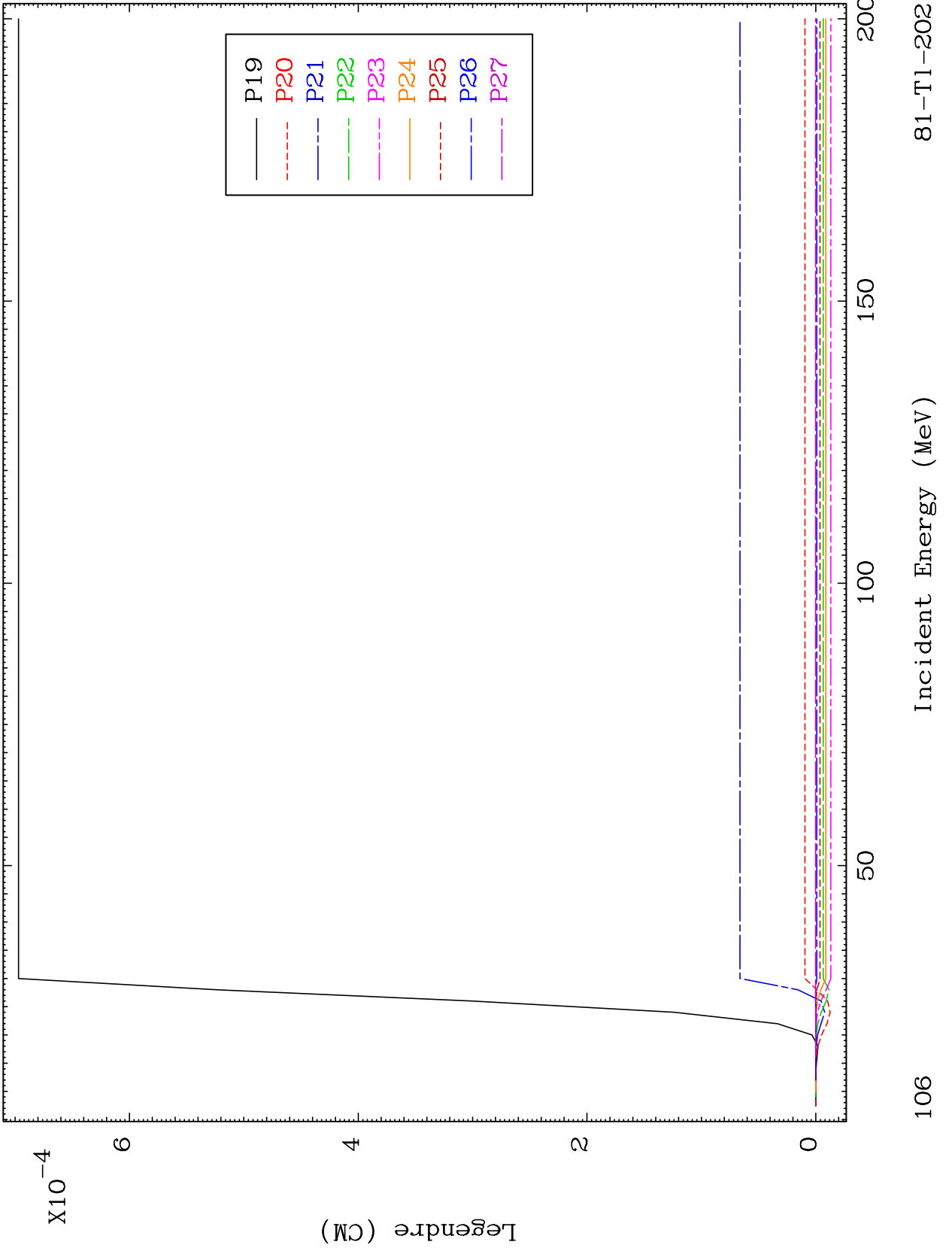
Incident Energy (MeV)

81-T1-202

MAT 8122

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

81-T1-202



81-T1-202

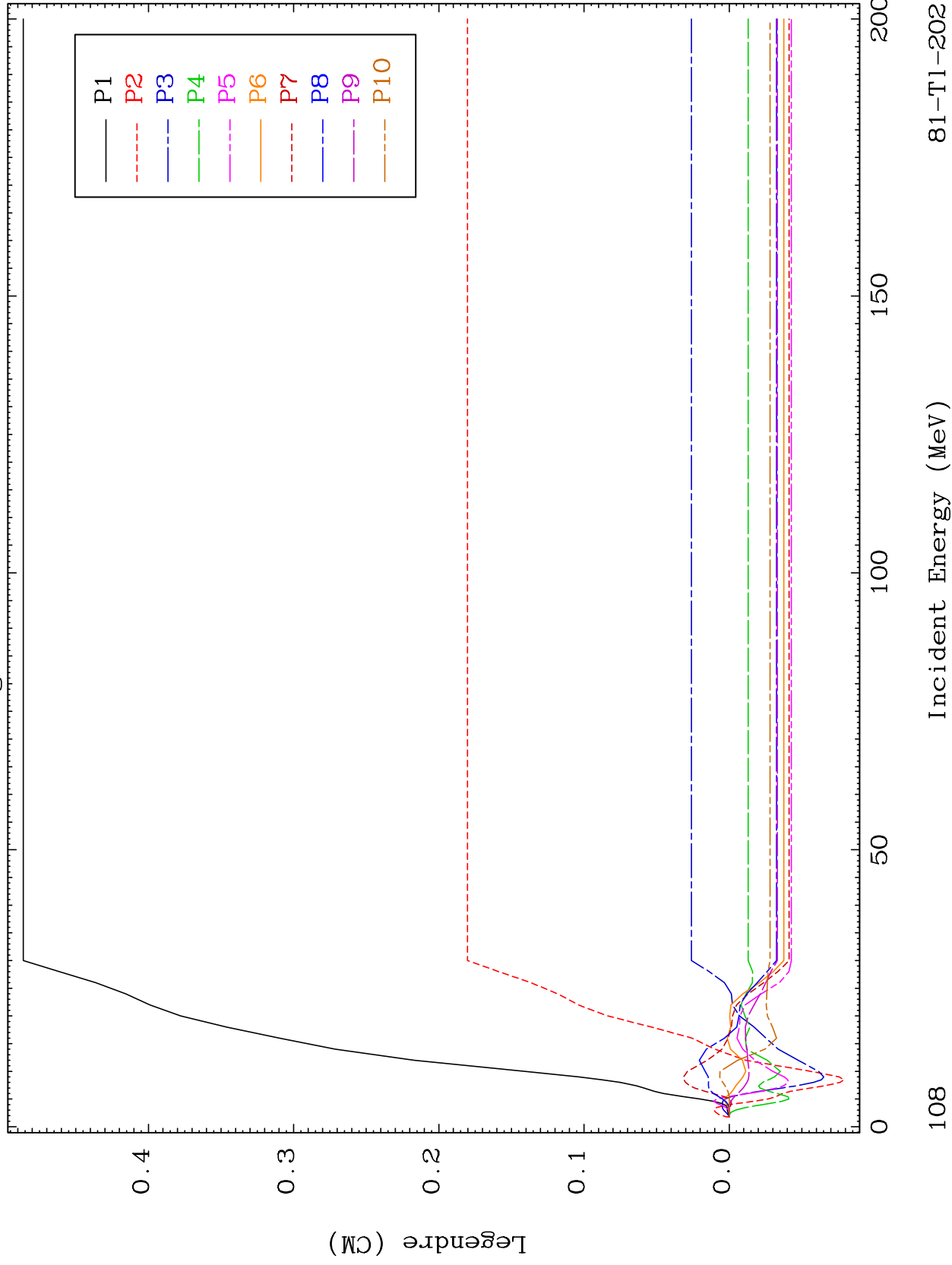
Incident Energy (MeV)

106

MAT 8122

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

81-T1-202



81-T1-202

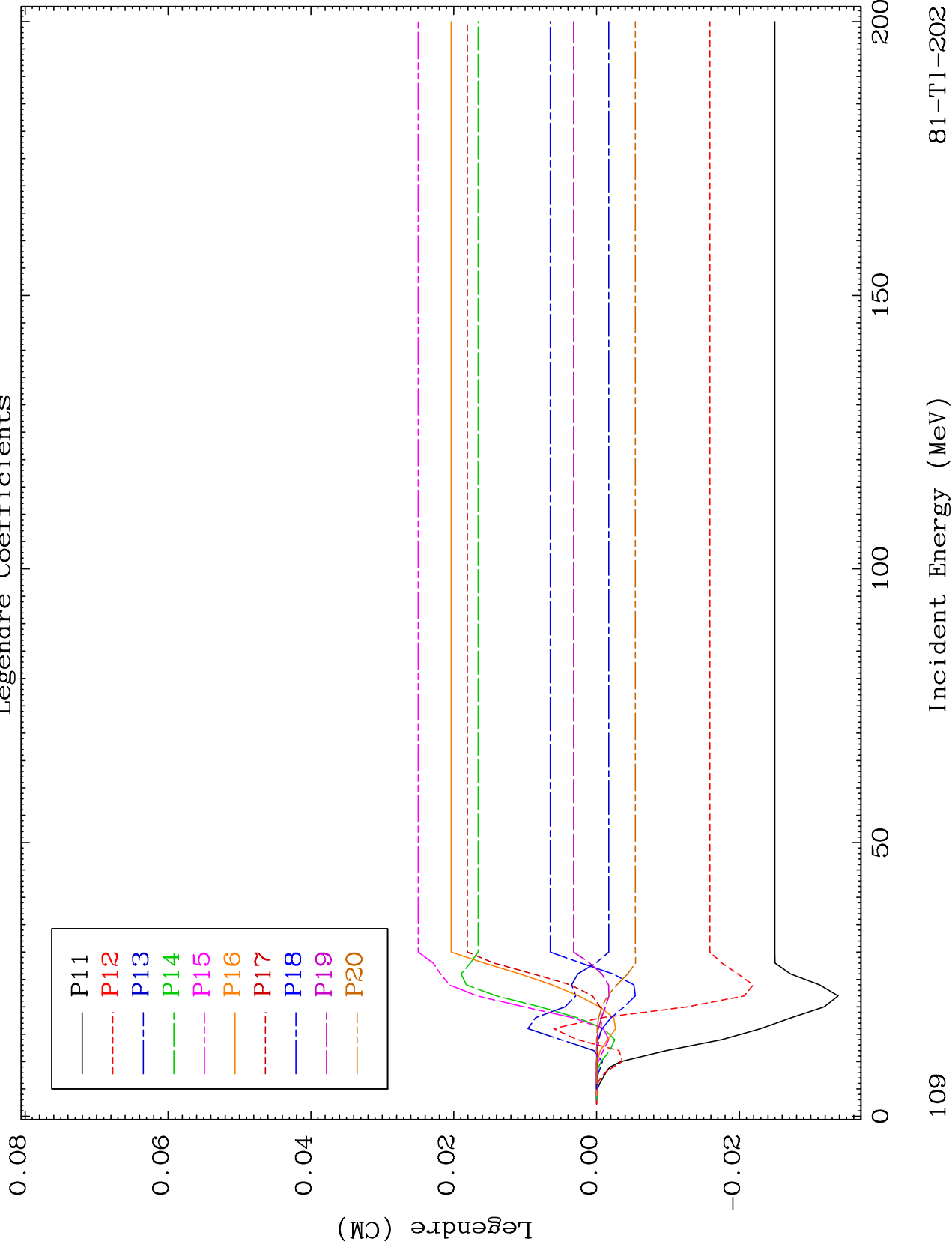
Incident Energy (MeV)

108

MAT 8122

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

81-T1-202



109

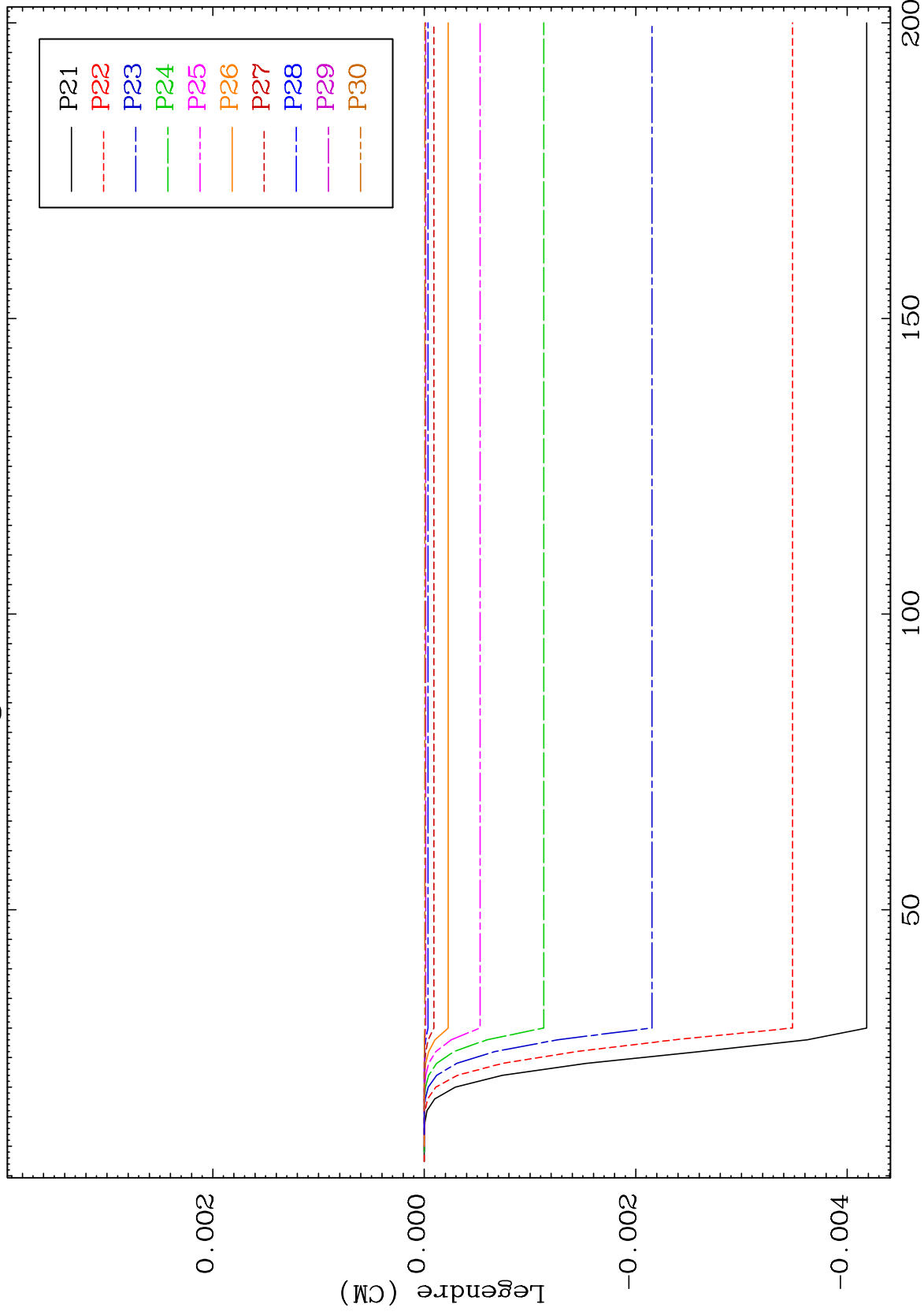
Incident Energy (MeV)

81-T1-202

MAT 8122

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

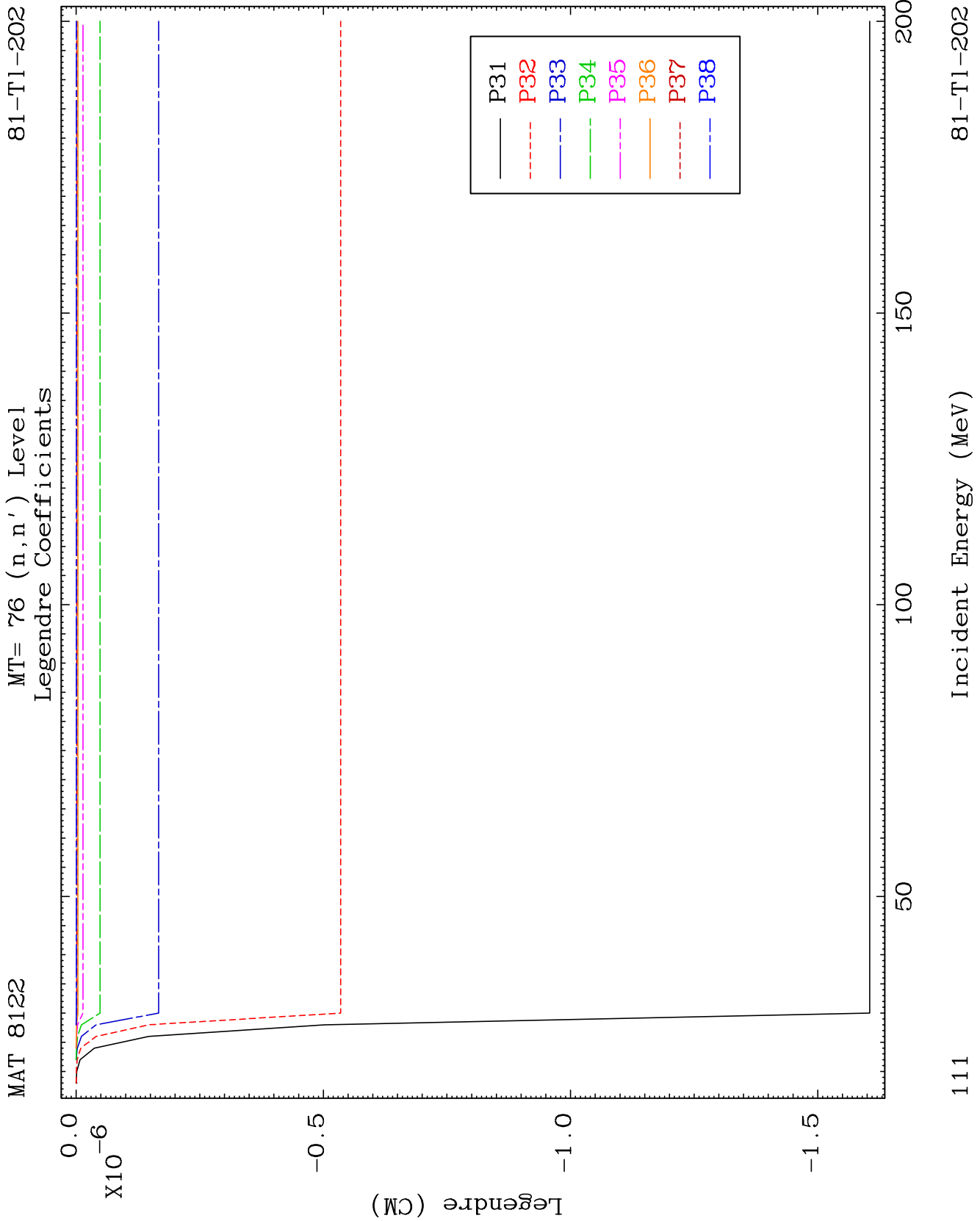
81-T1-202



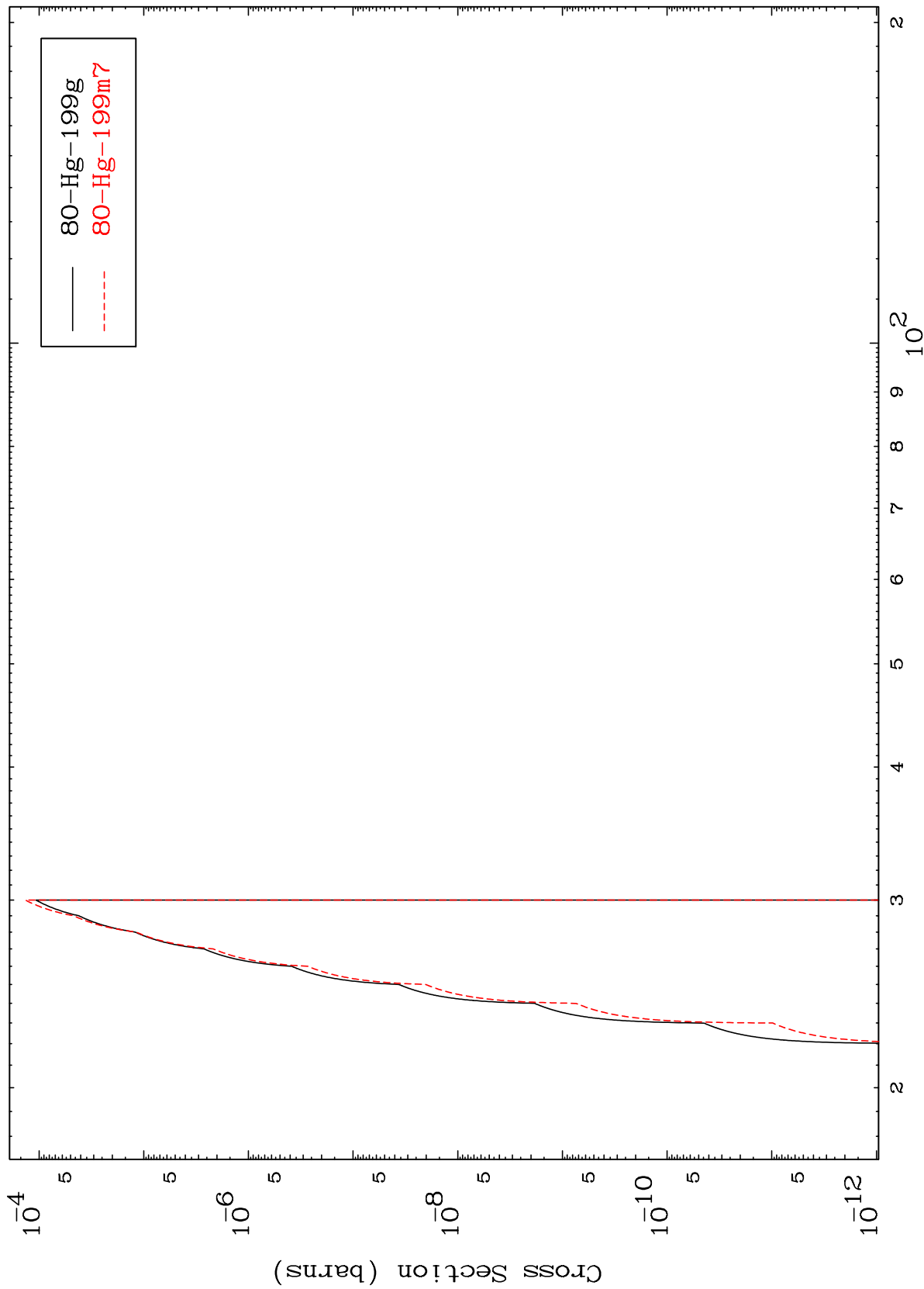
110

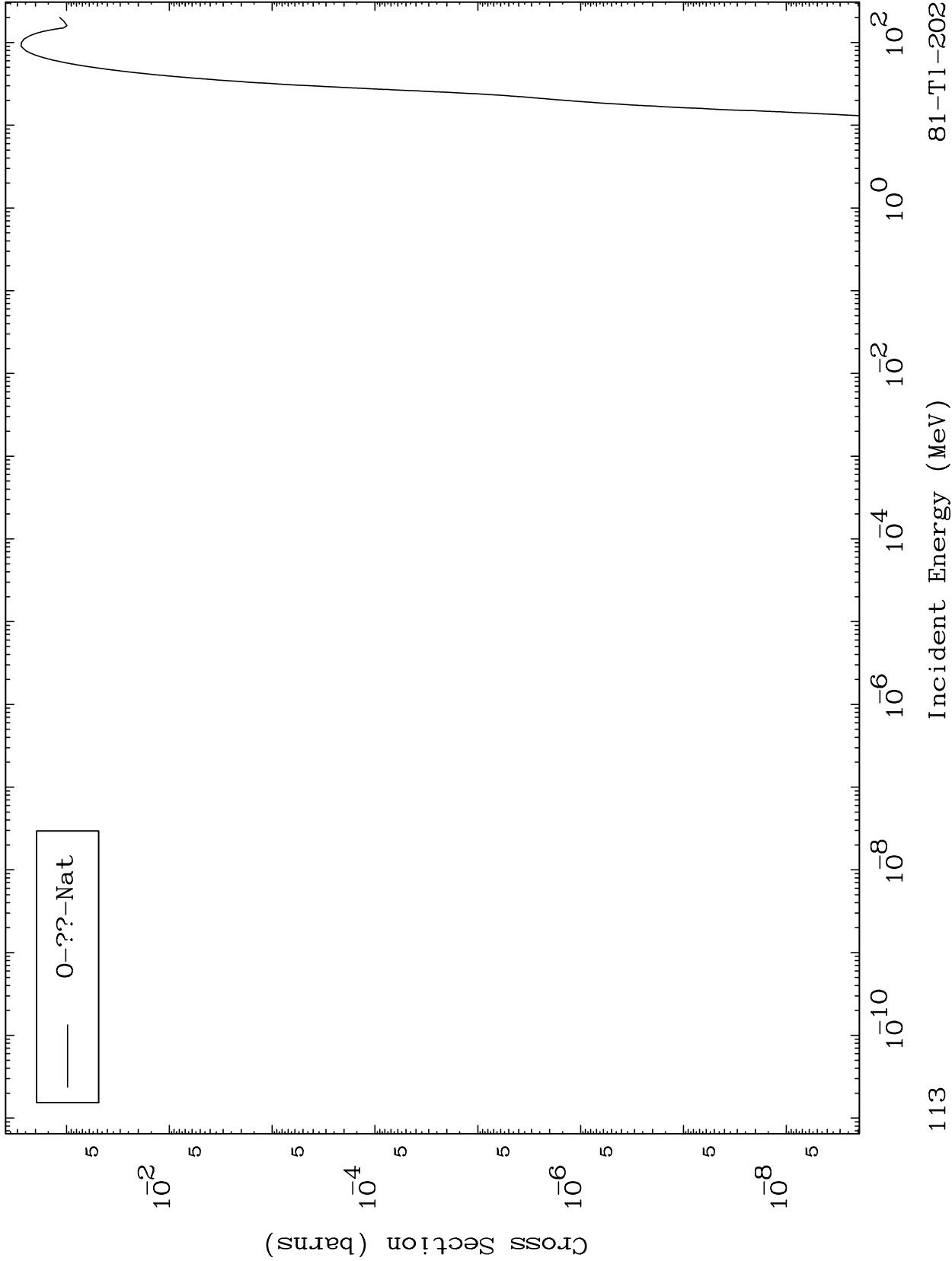
Incident Energy (MeV)

81-T1-202



Radionuclide Production Cross Section

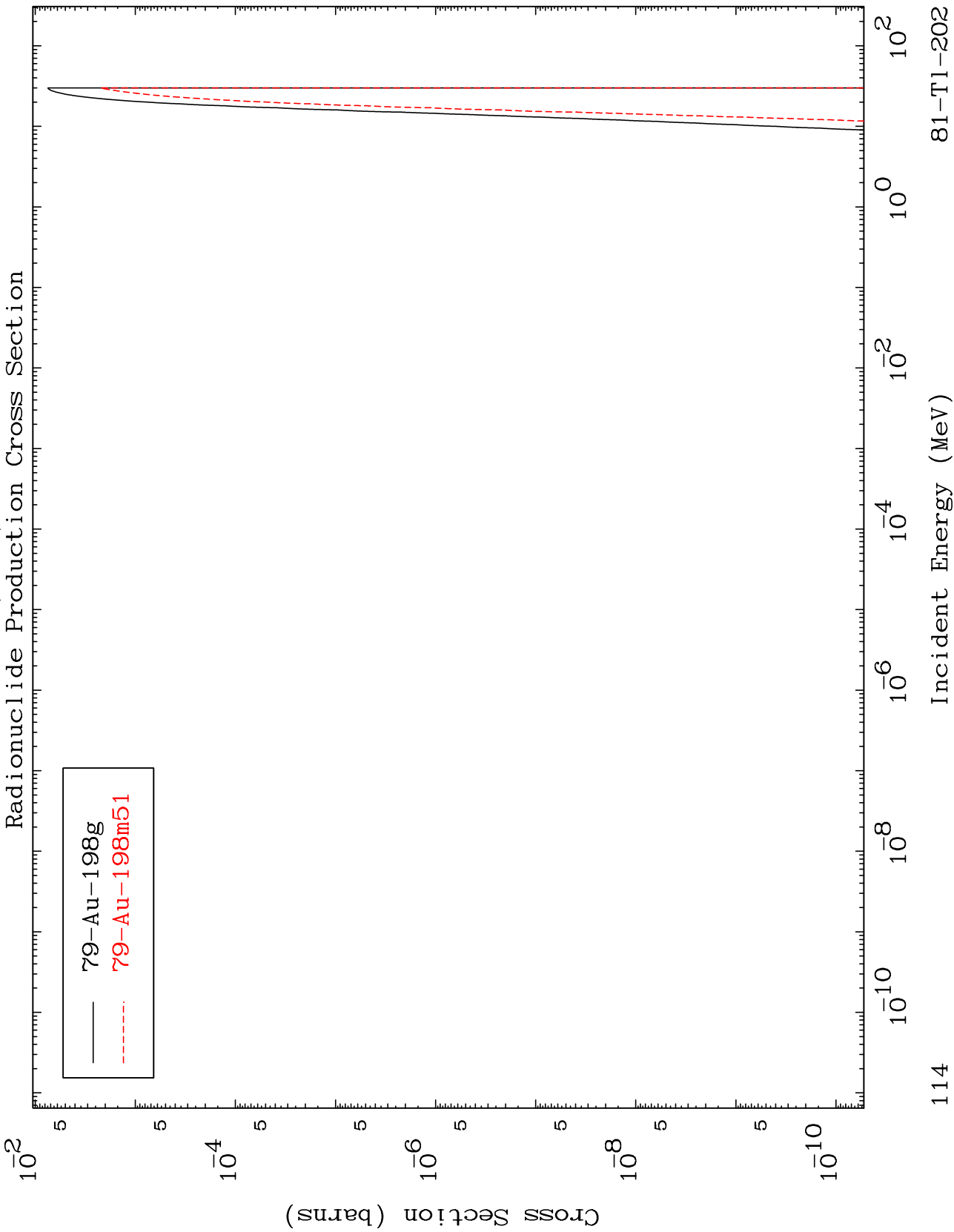




MAT 8122

$(n, n') \alpha$

81-Tl-202



114

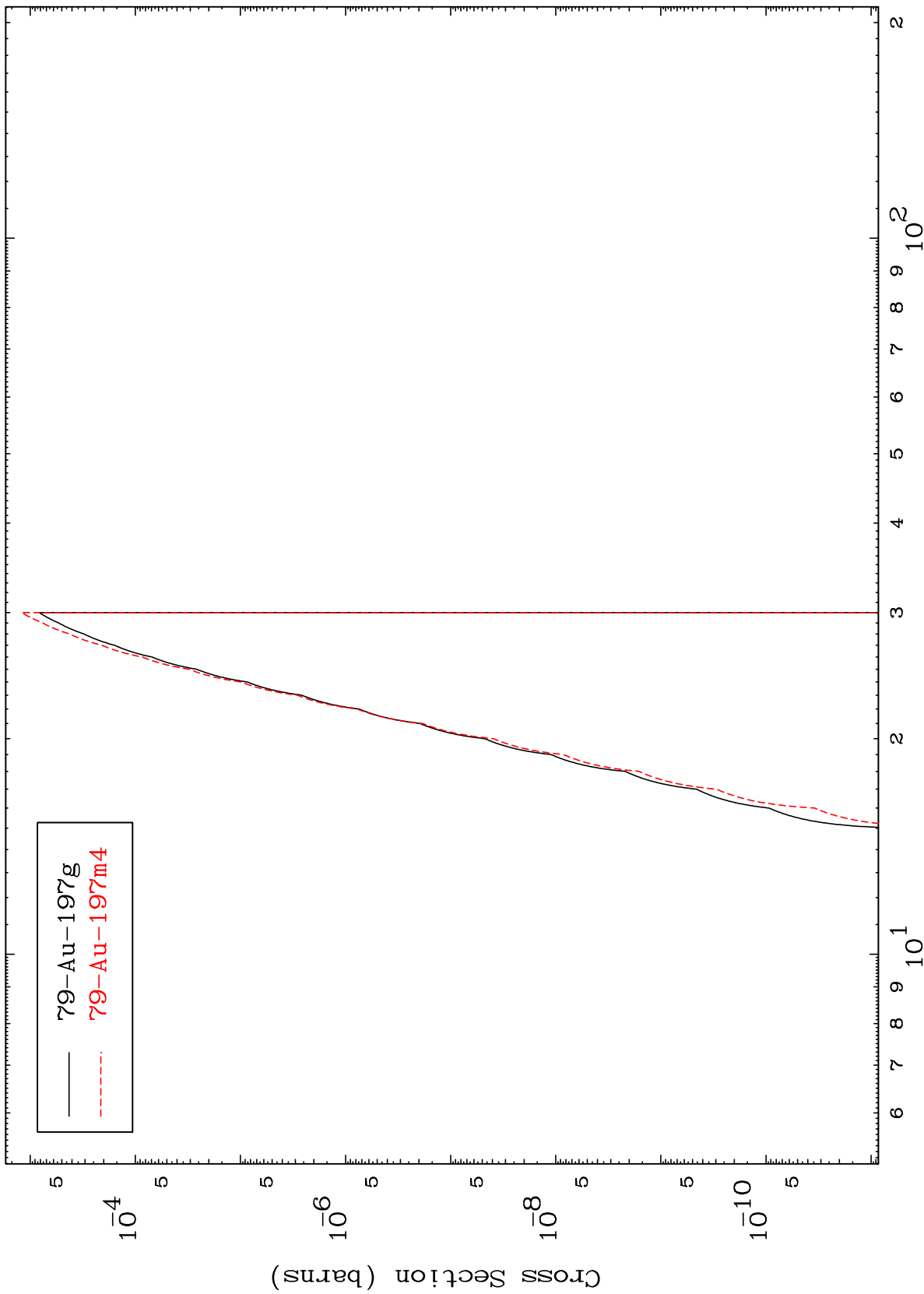
81-Tl-202

MAT 8122

(n,2n) α

81-T1-202

Radionuclide Production Cross Section

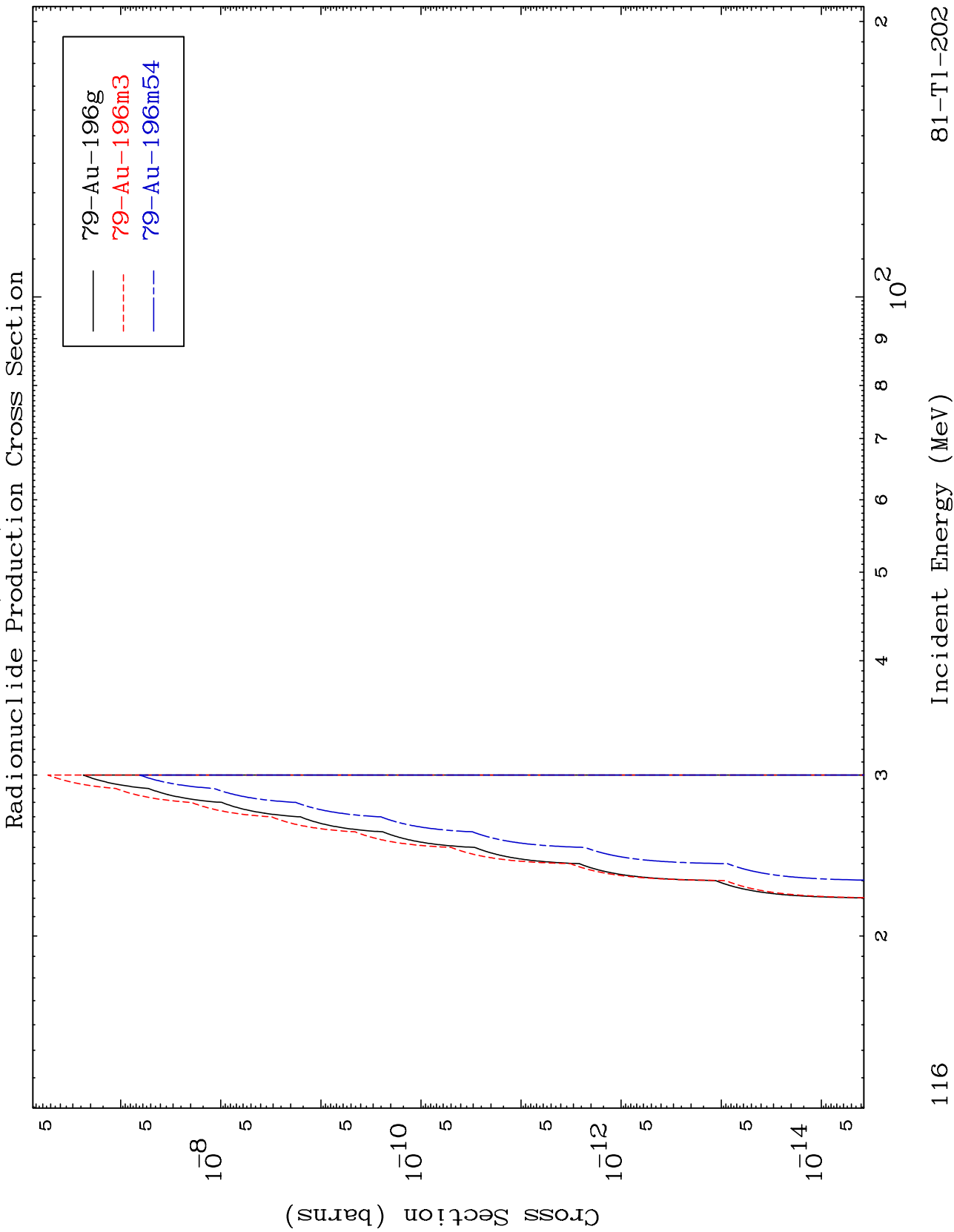


— ^{197}gAu
- - - $^{197\text{m}4}\text{Au}$

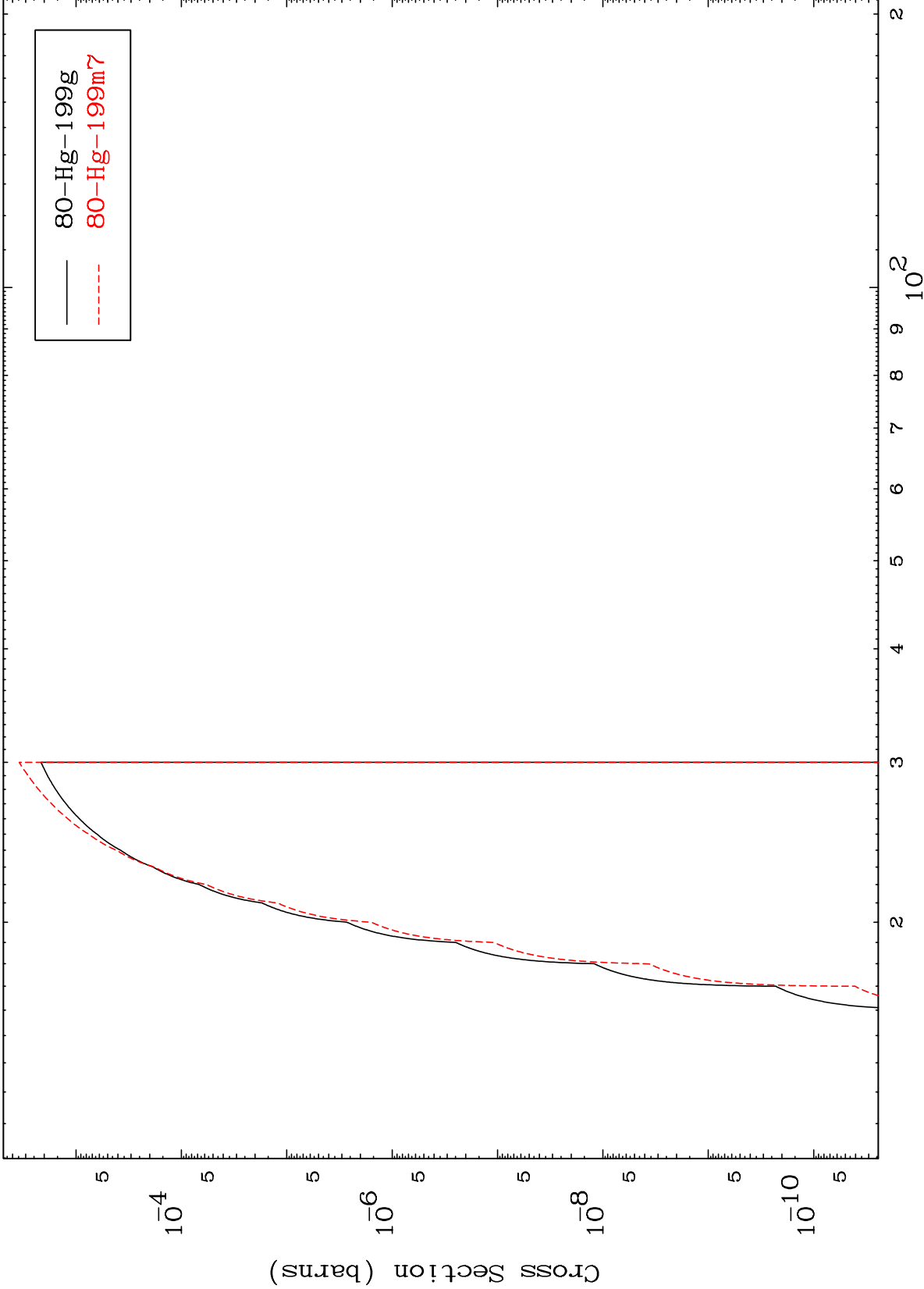
115

Incident Energy (MeV)

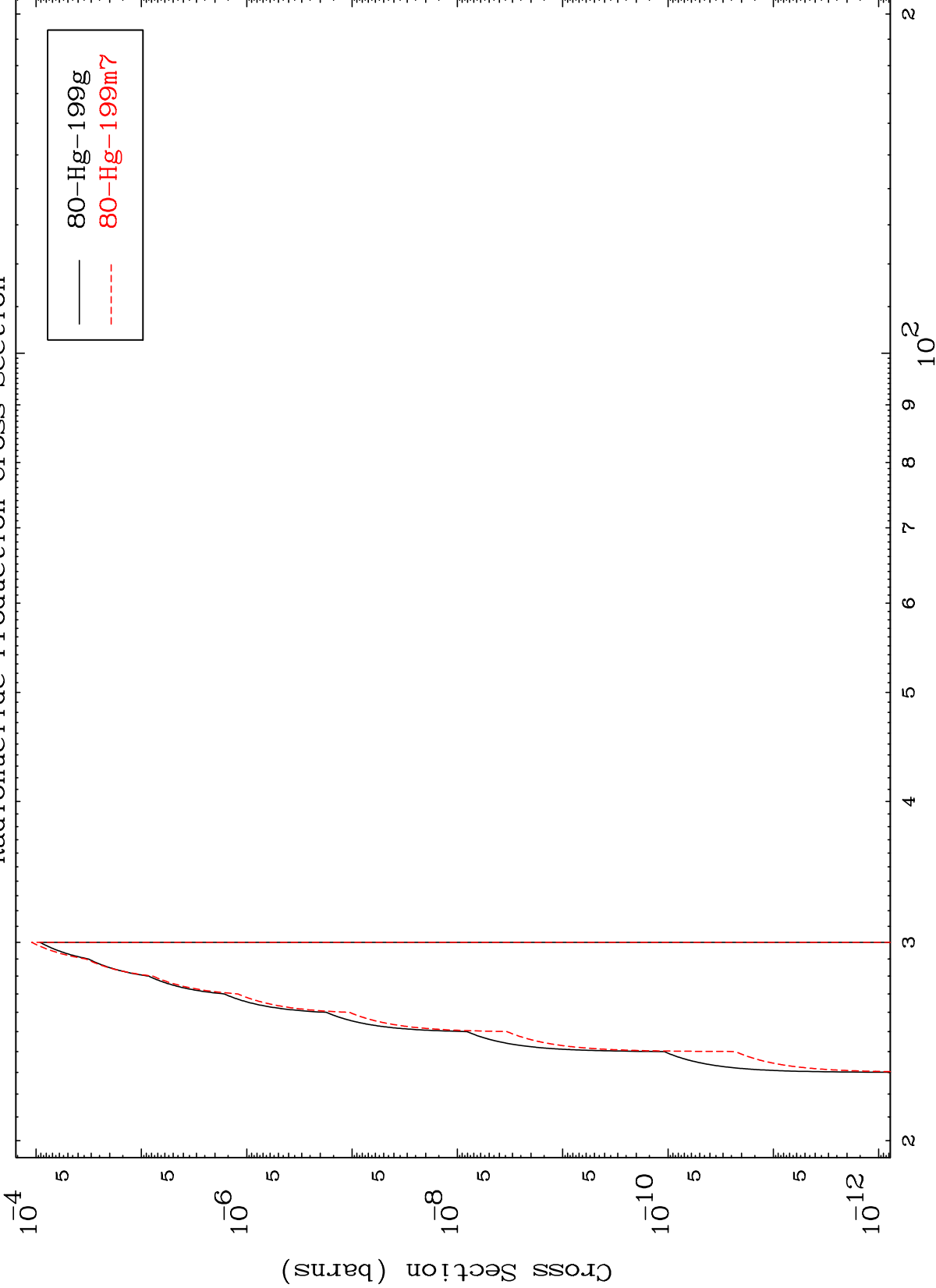
81-T1-202



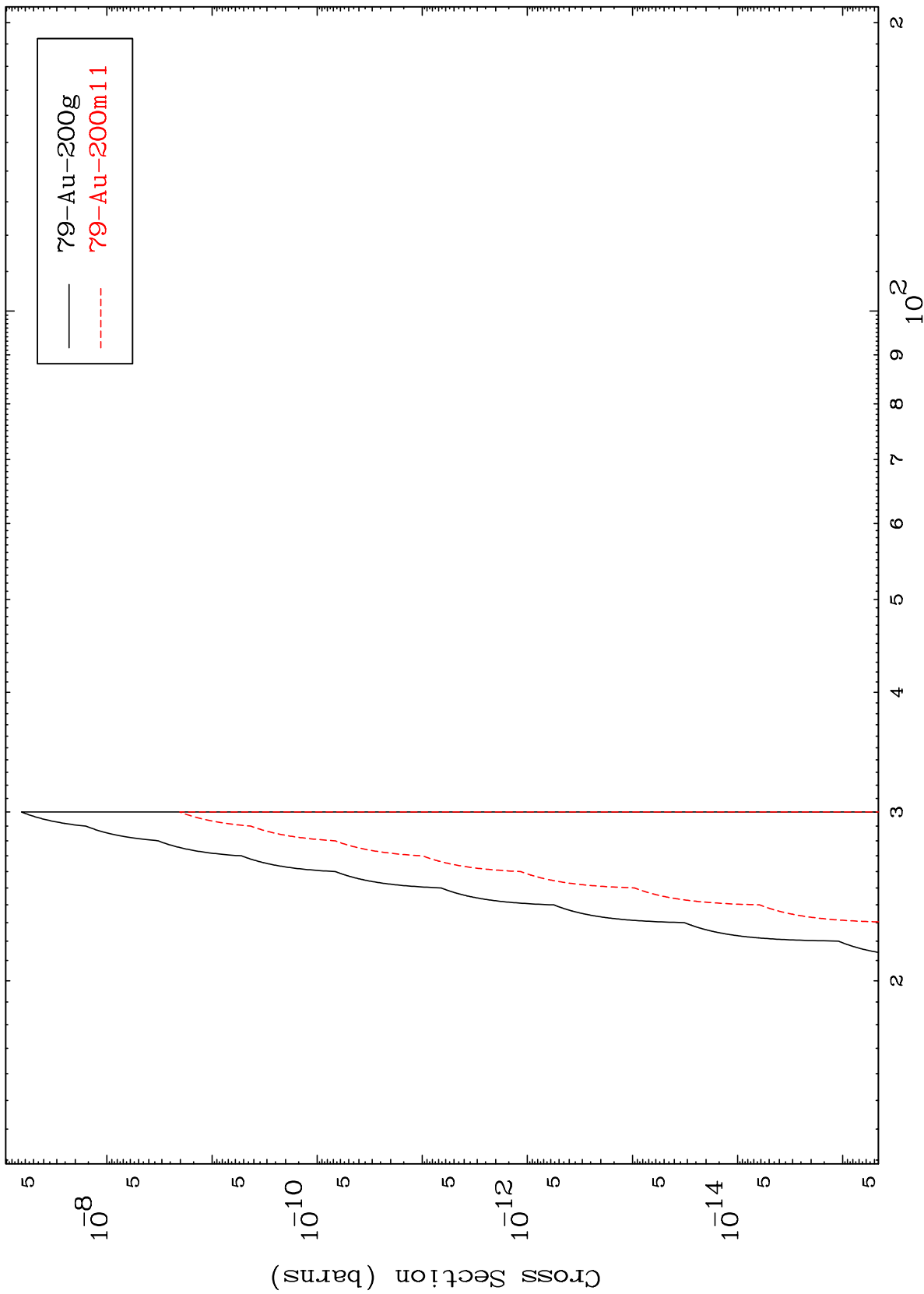
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

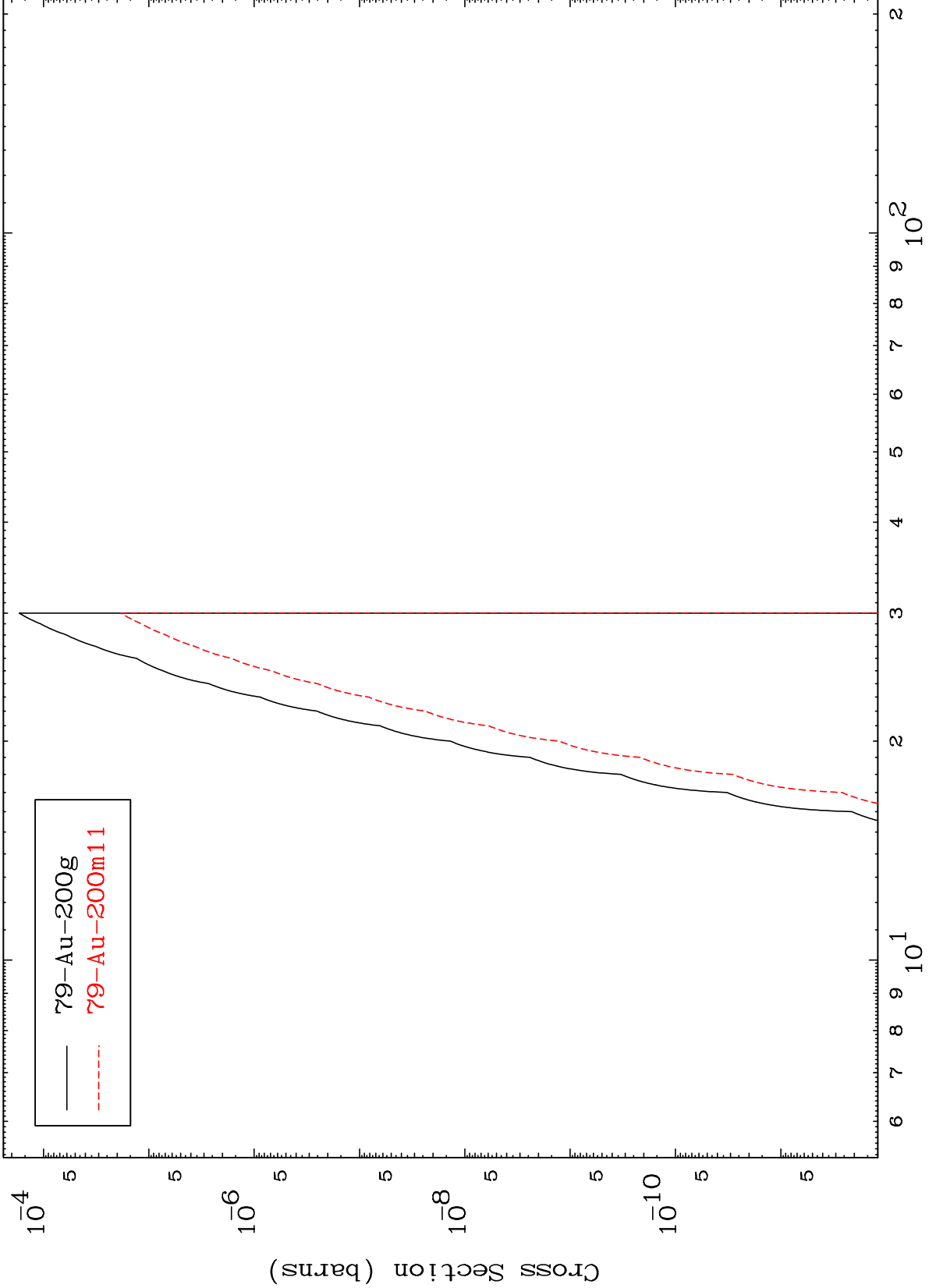


MAT 8122

(n,He-3)

81-Tl-202

Radionuclide Production Cross Section



— $^{79}\text{Au-200g}$
- - - $^{79}\text{Au-200m11}$

120

Incident Energy (MeV)

81-Tl-202

Radionuclide Production Cross Section

