

Program EVALPLOT
(Version 2021-1)

by

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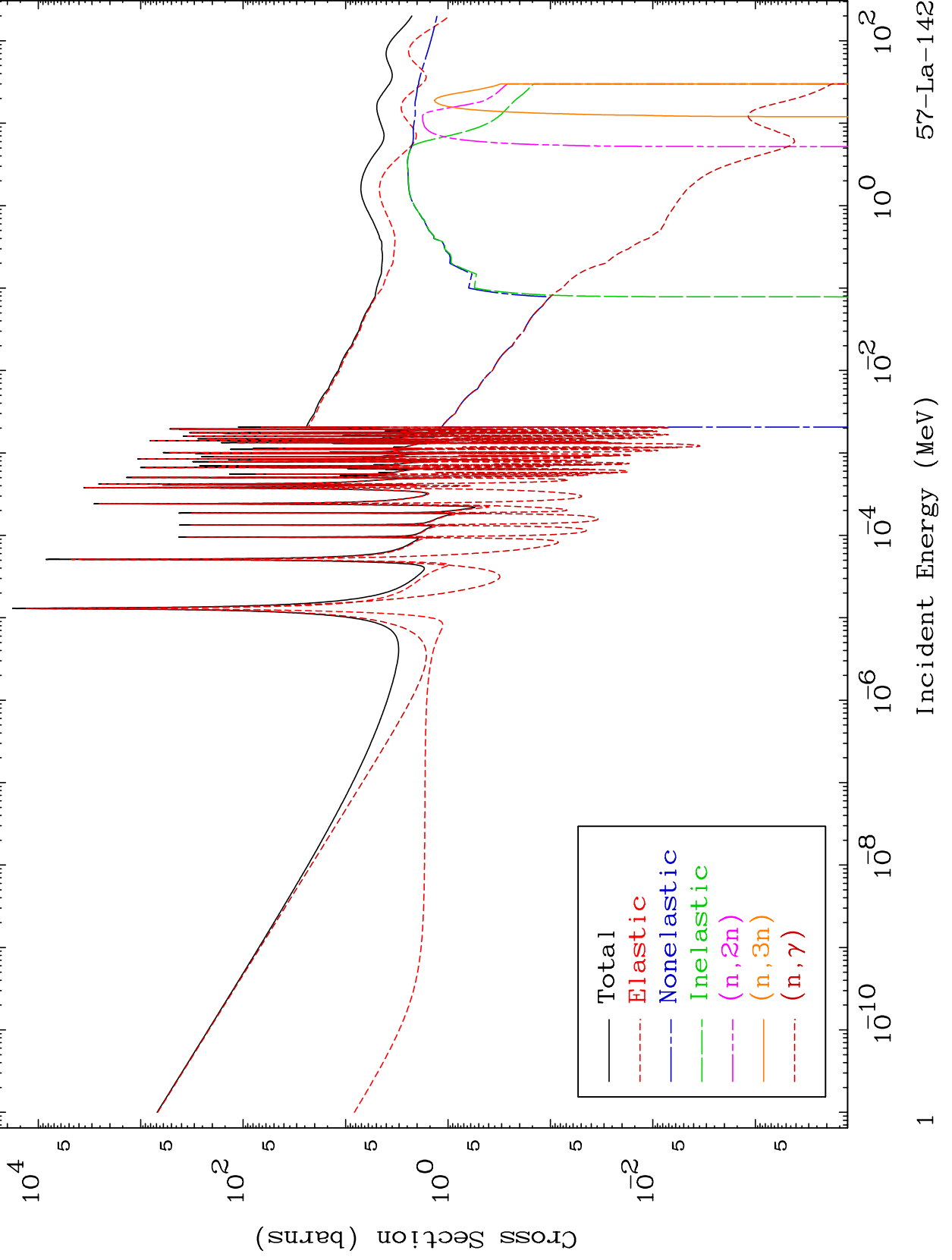
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Press Mouse Button to Start

MAT 5737

Neutron Major
293 Kelvin Cross Sections

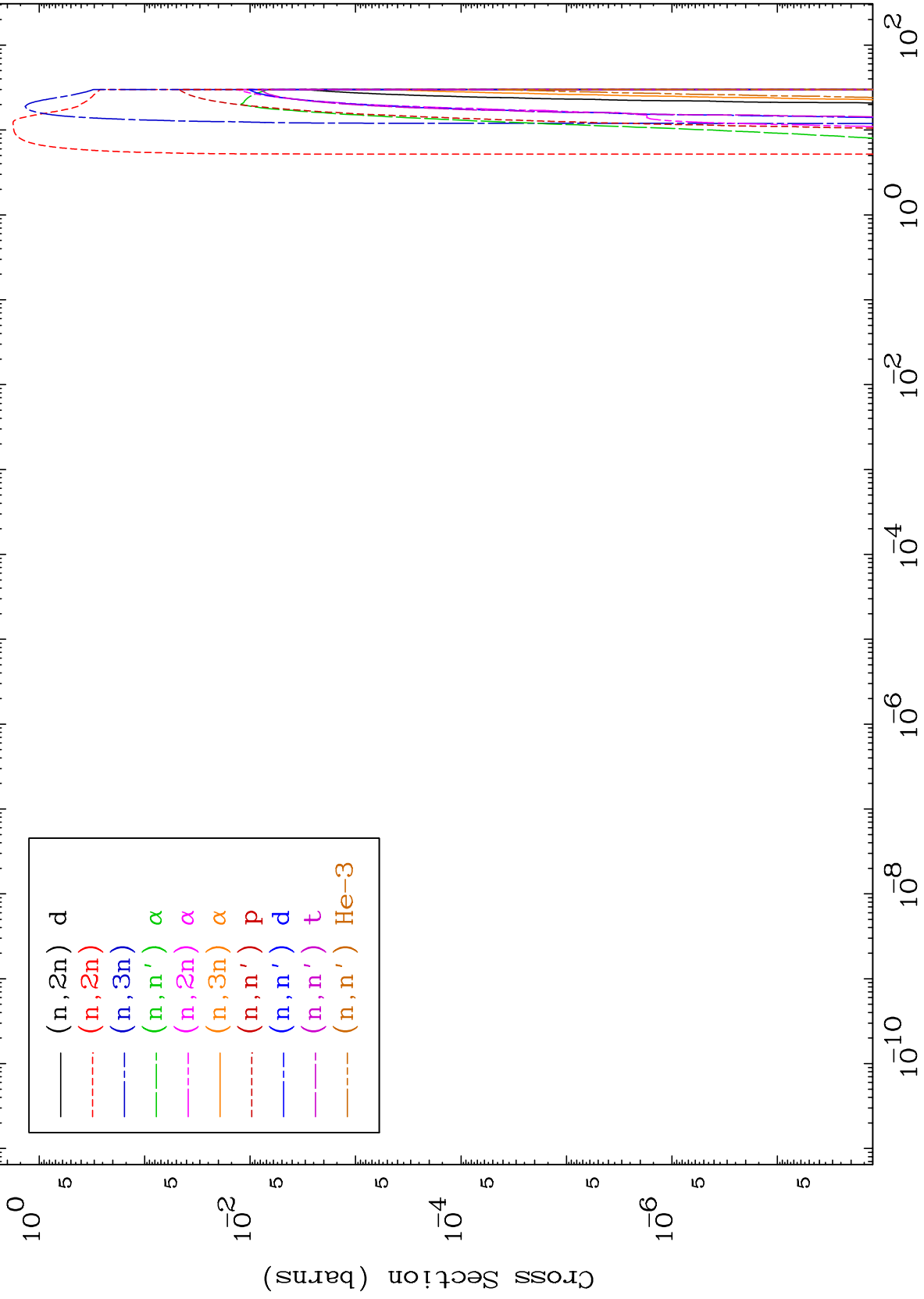
57-La-142



MAT 5737

Neutron Absorption
293 Kelvin Cross Sections

57-La-142



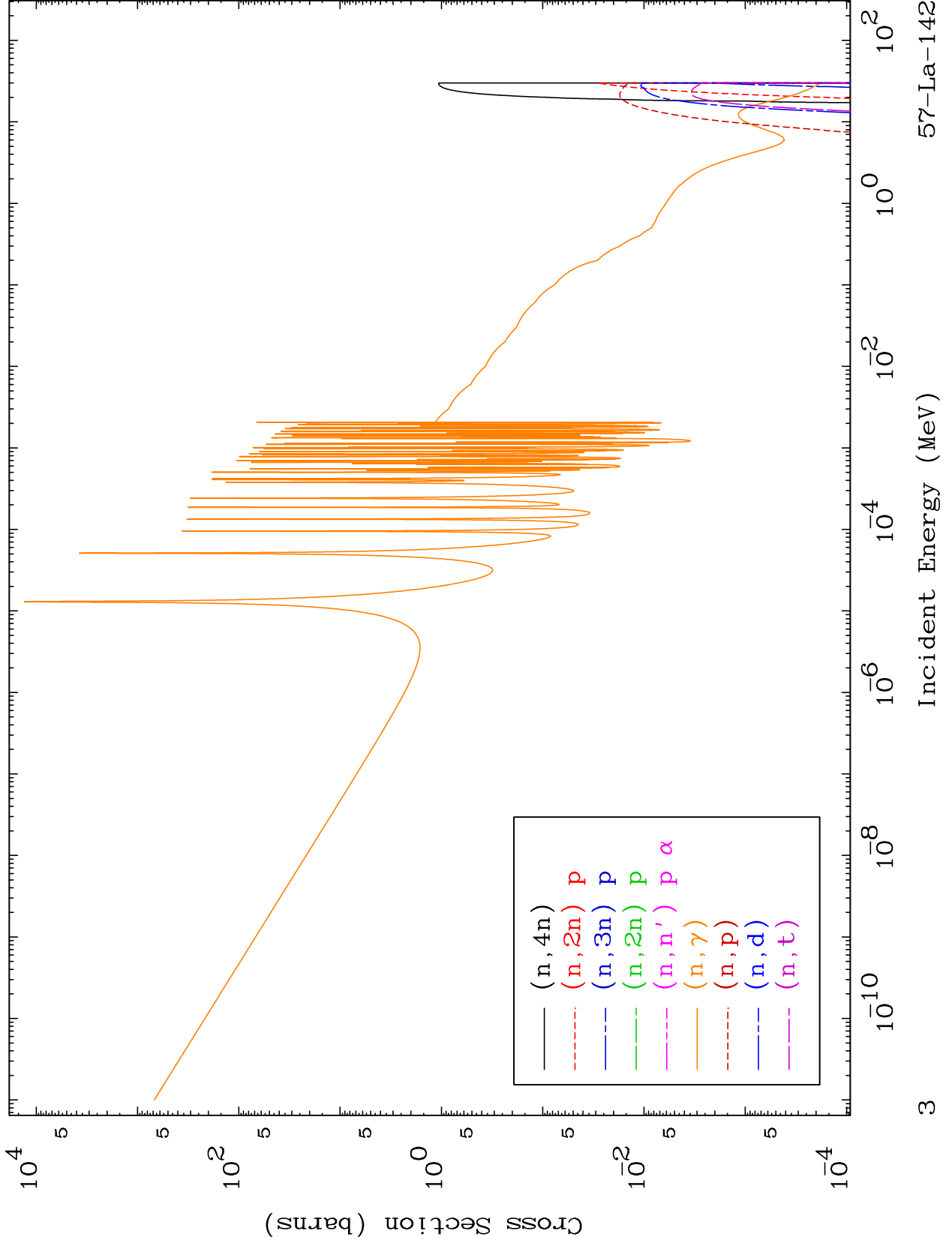
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Incident Energy (MeV)

MAT 5737

Neutron Absorption
293 Kelvin Cross Sections

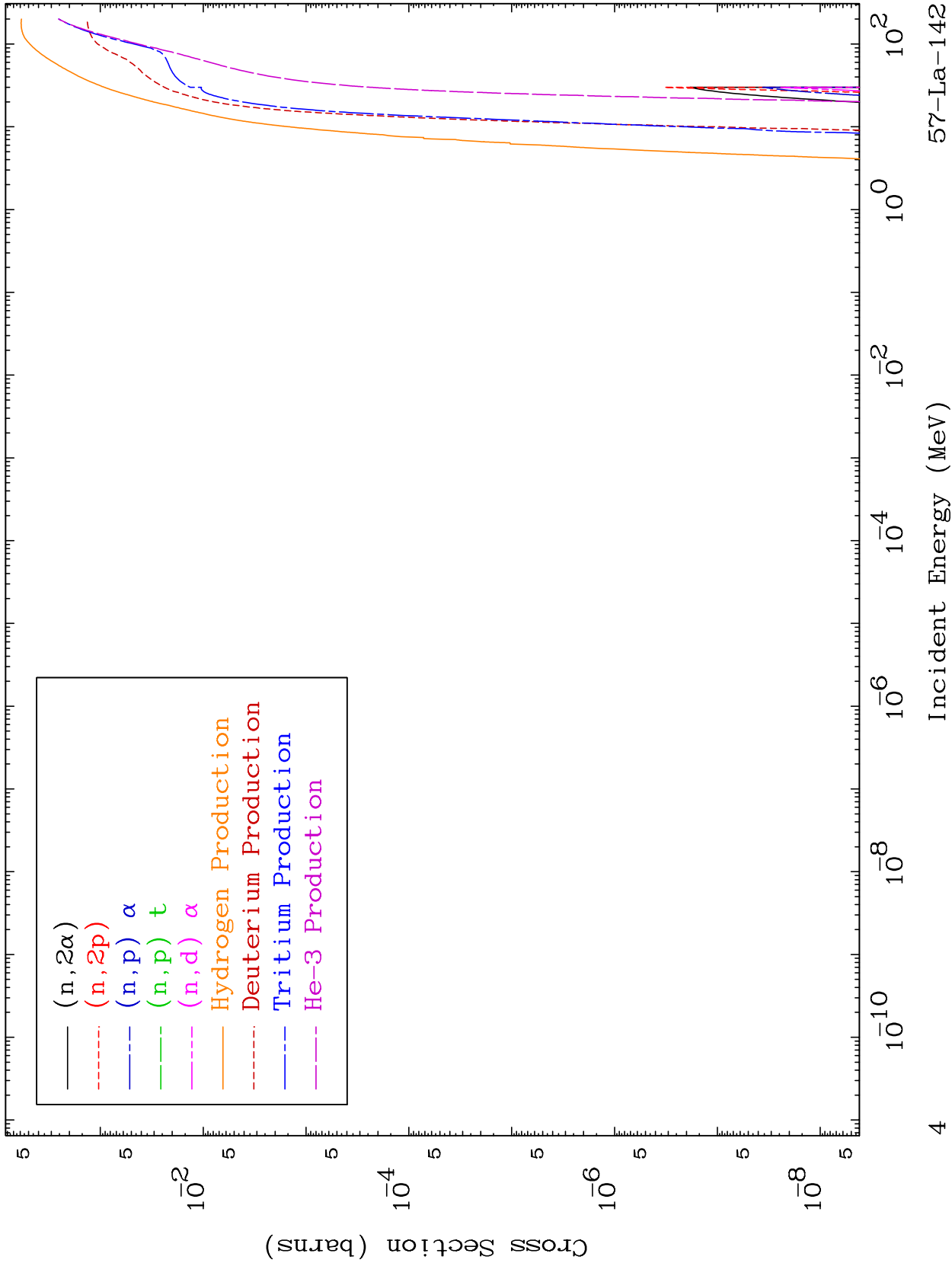
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MAT 5737

Neutron Absorption
293 Kelvin Cross Sections

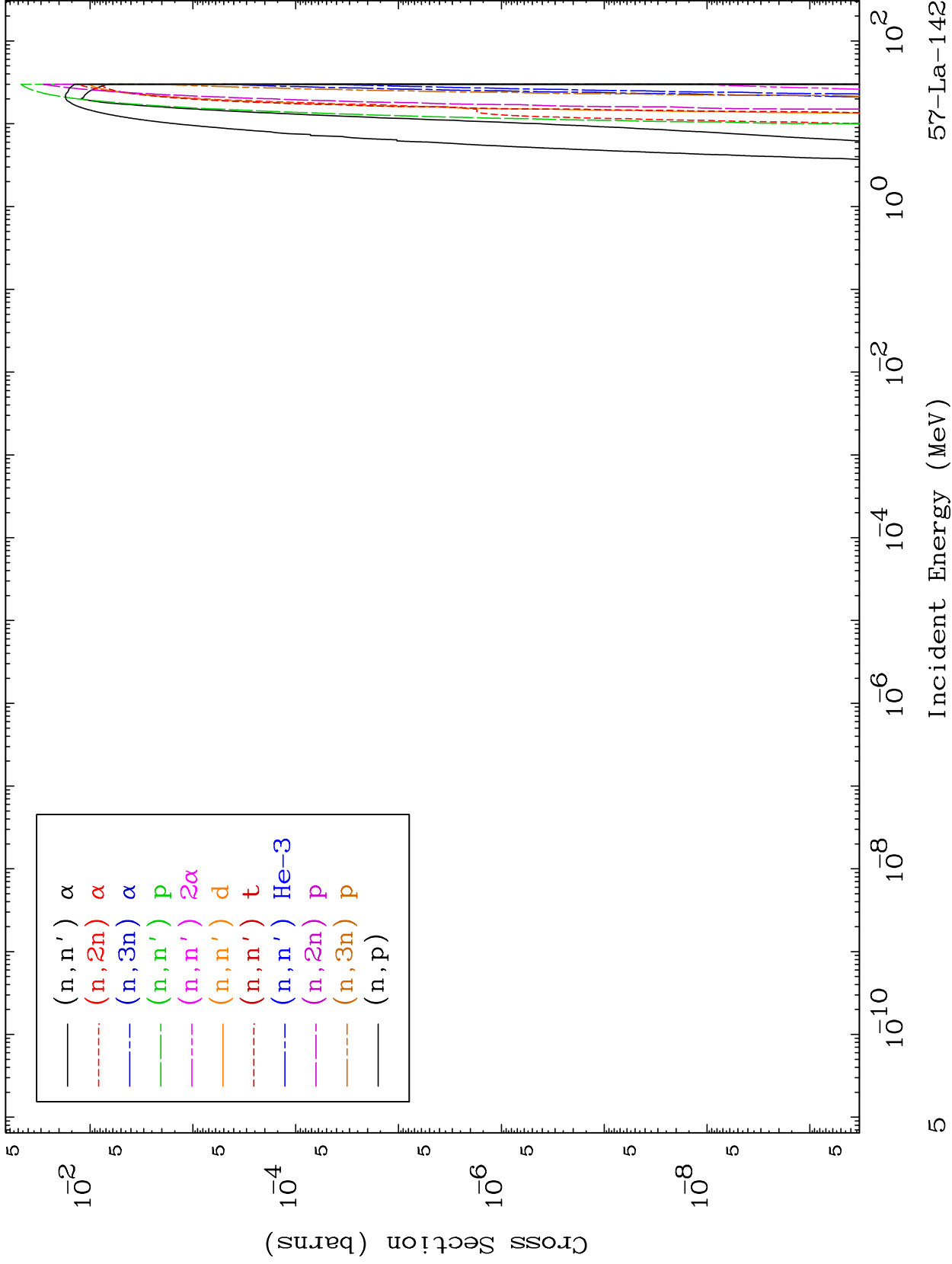
57-La-142



MAT 5737

Charged Particle
293 Kelvin Cross Sections

57-La-142



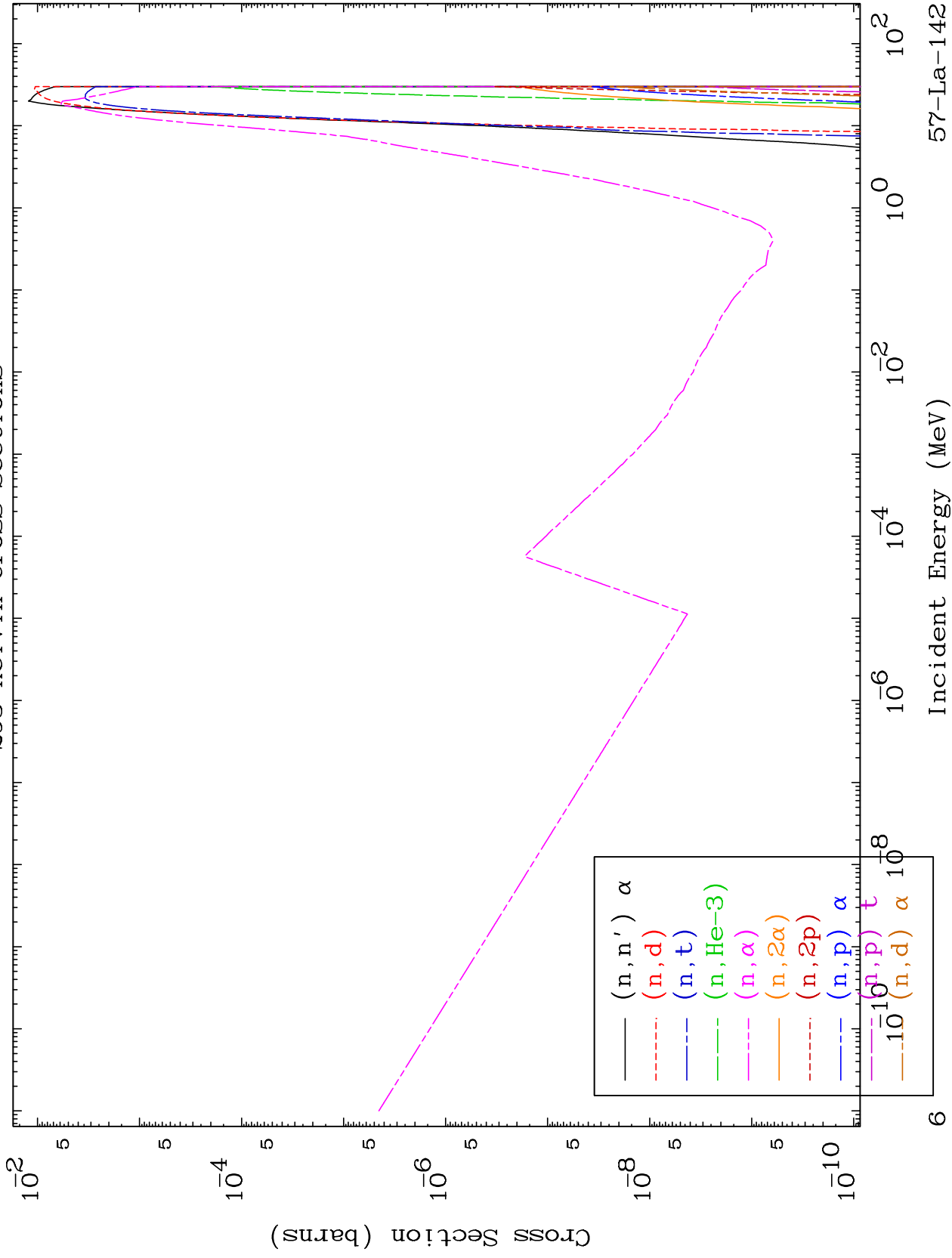
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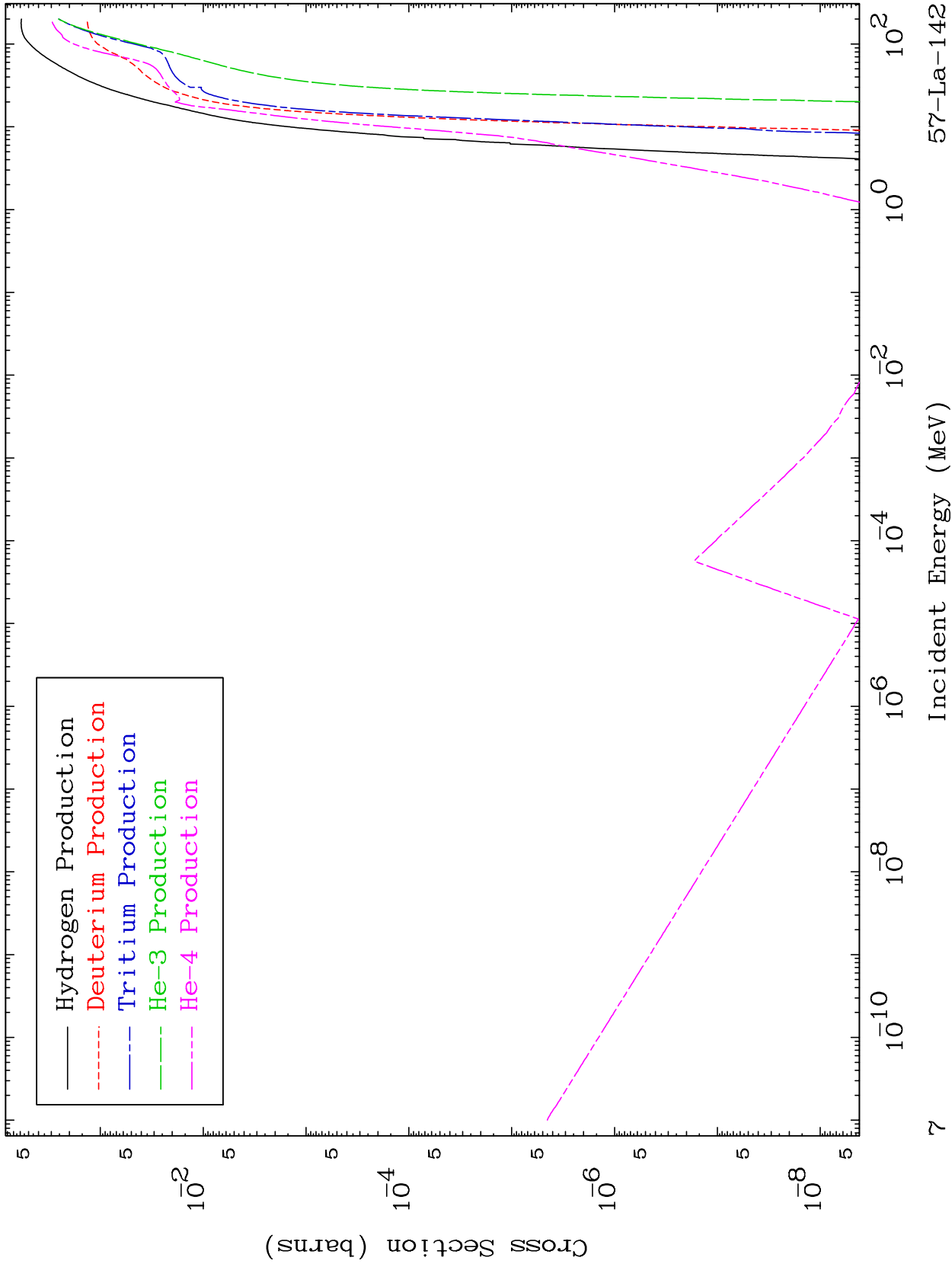
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MAT 5737

Charged Particle
293 Kelvin Cross Sections

57-La-142



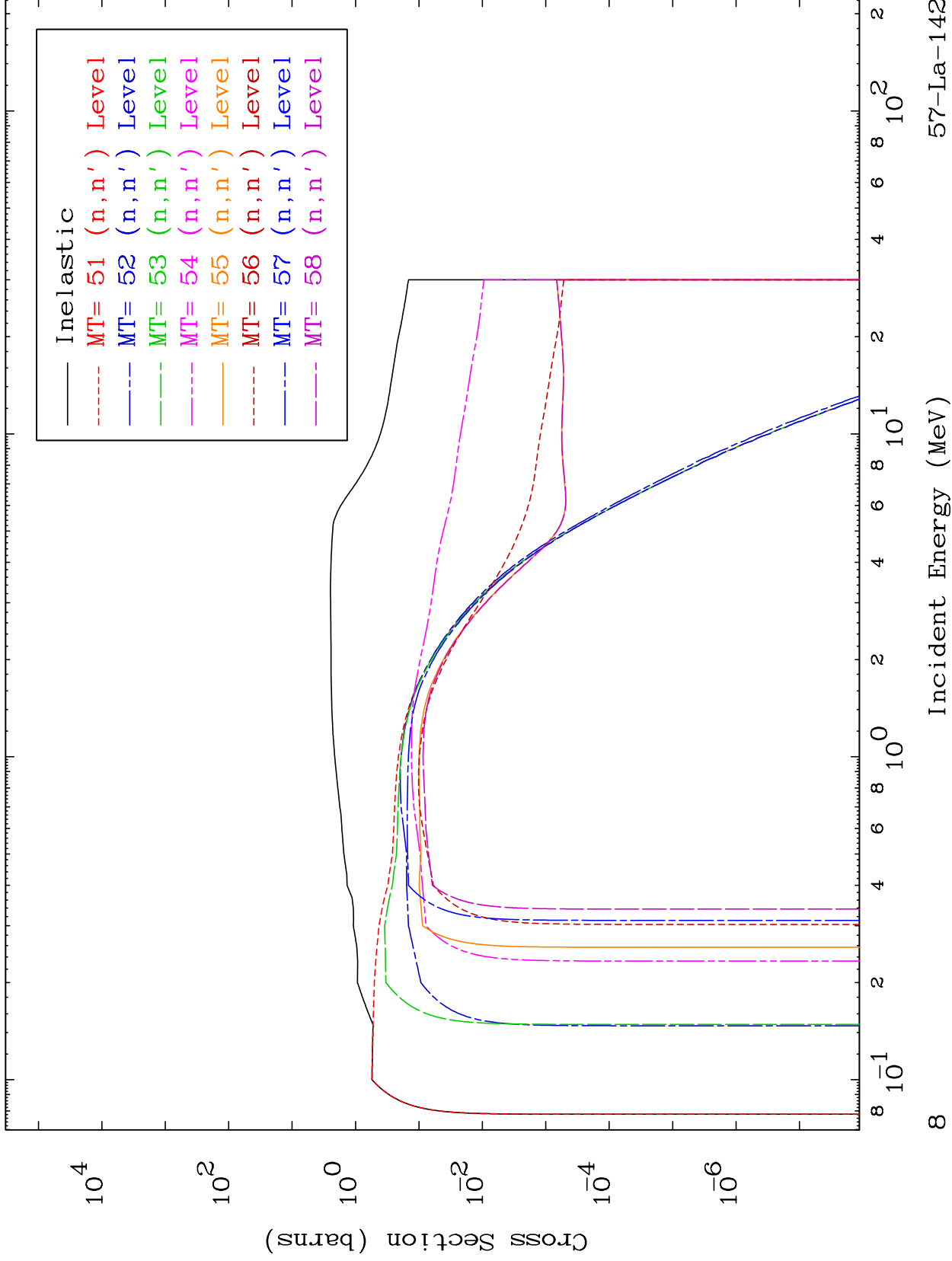


MAT 5737

(n,n') Levels

57-La-142

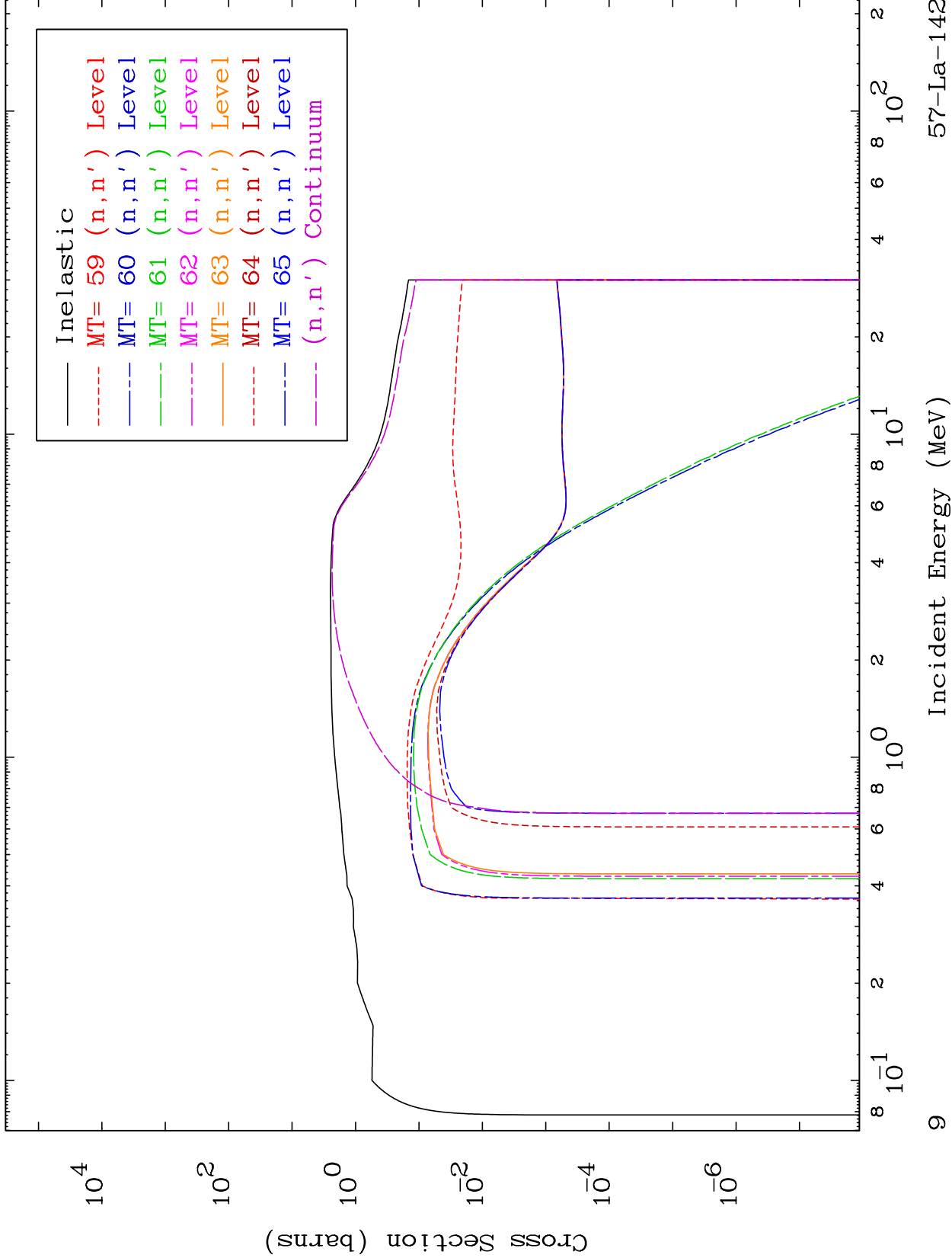
293 Kelvin Cross Sections



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Incident Energy (MeV)

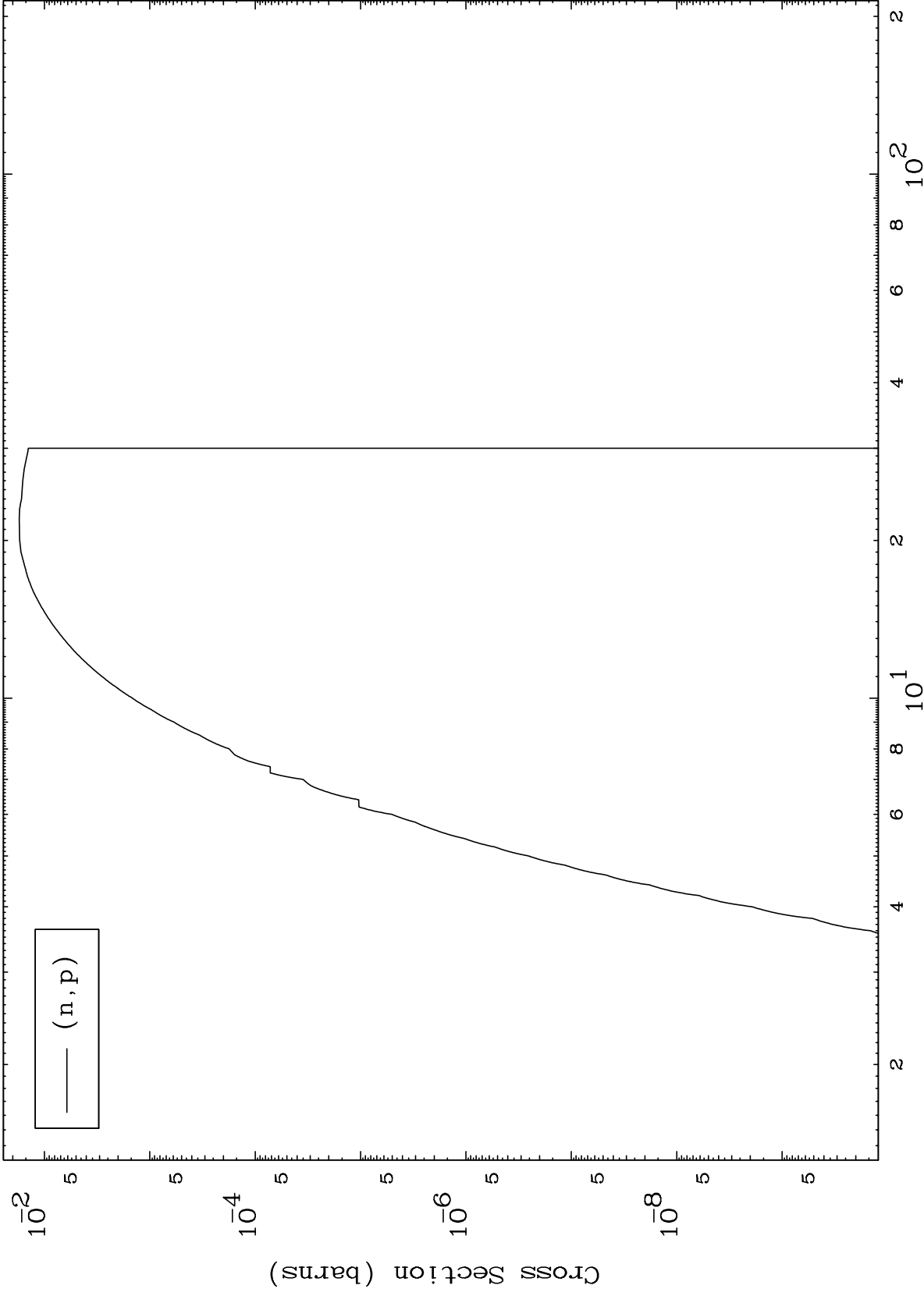
57-La-142



MAT 5737

(n,p) Levels
293 Kelvin Cross Sections

57-La-142



10

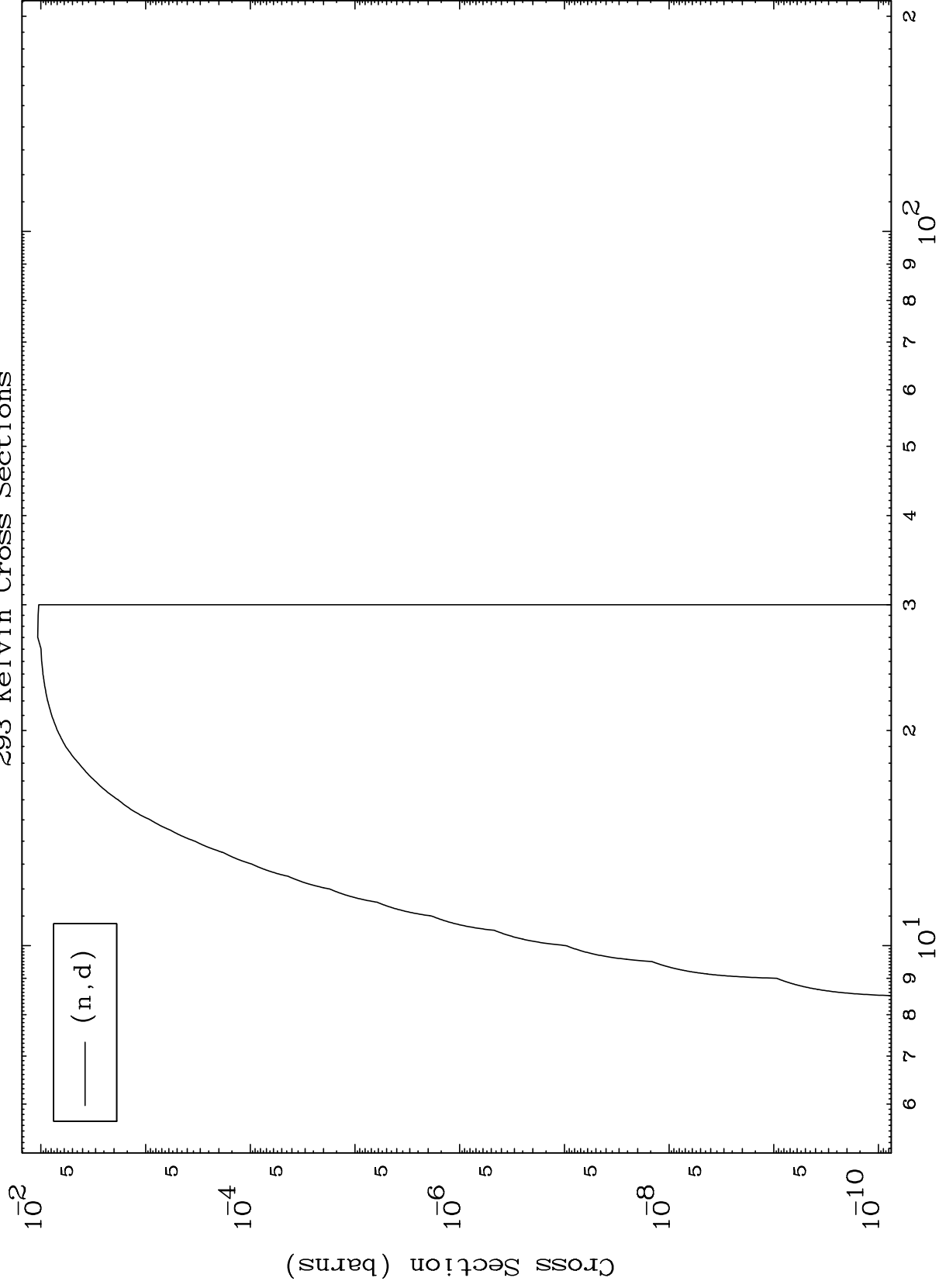
Incident Energy (MeV)

57-La-142

MAT 5737

(n,d) Levels
293 Kelvin Cross Sections

57-La-142



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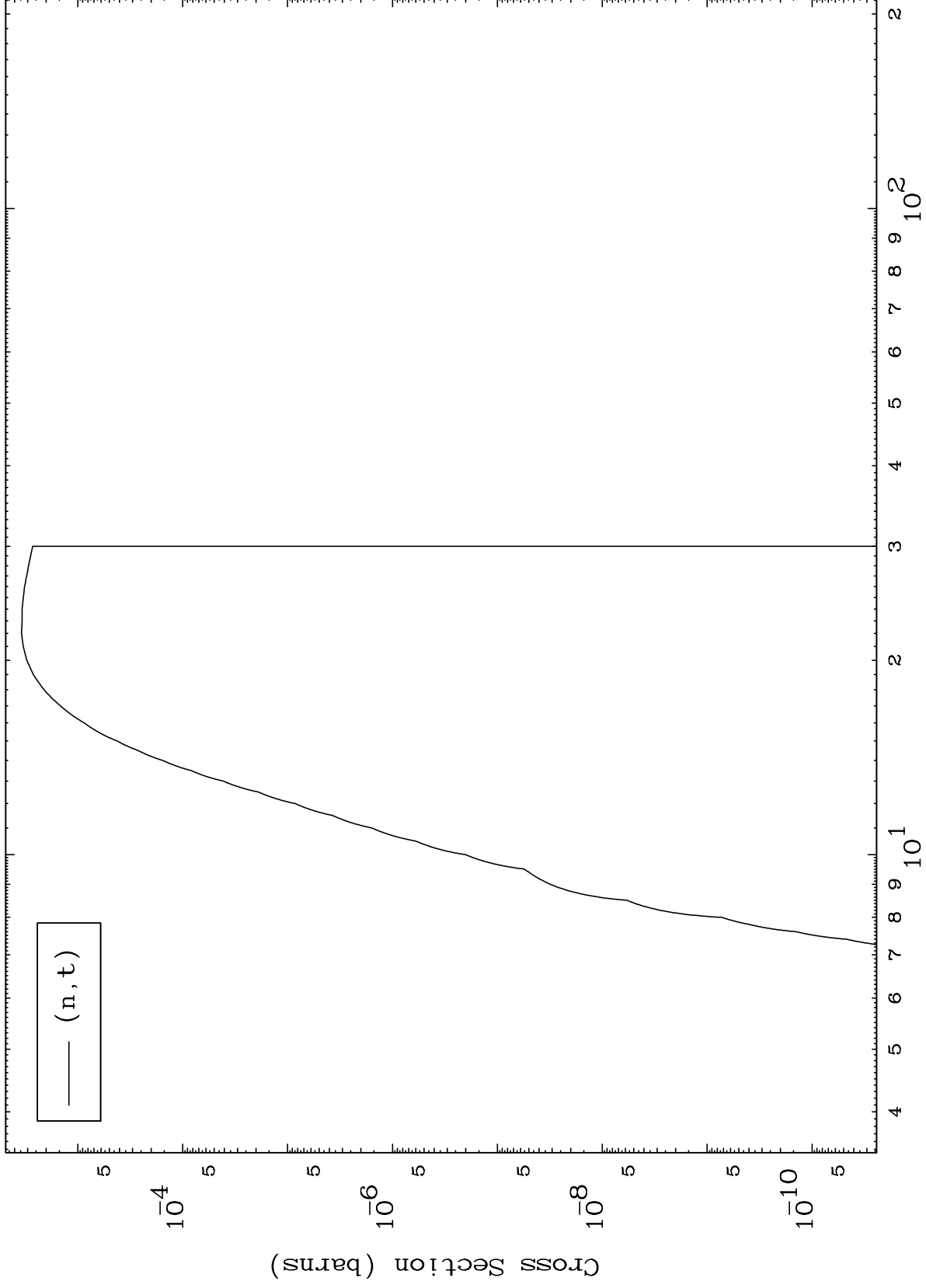
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57-La-142

MAT 5737

(n,t) Levels
293 Kelvin Cross Sections

57-La-142



12

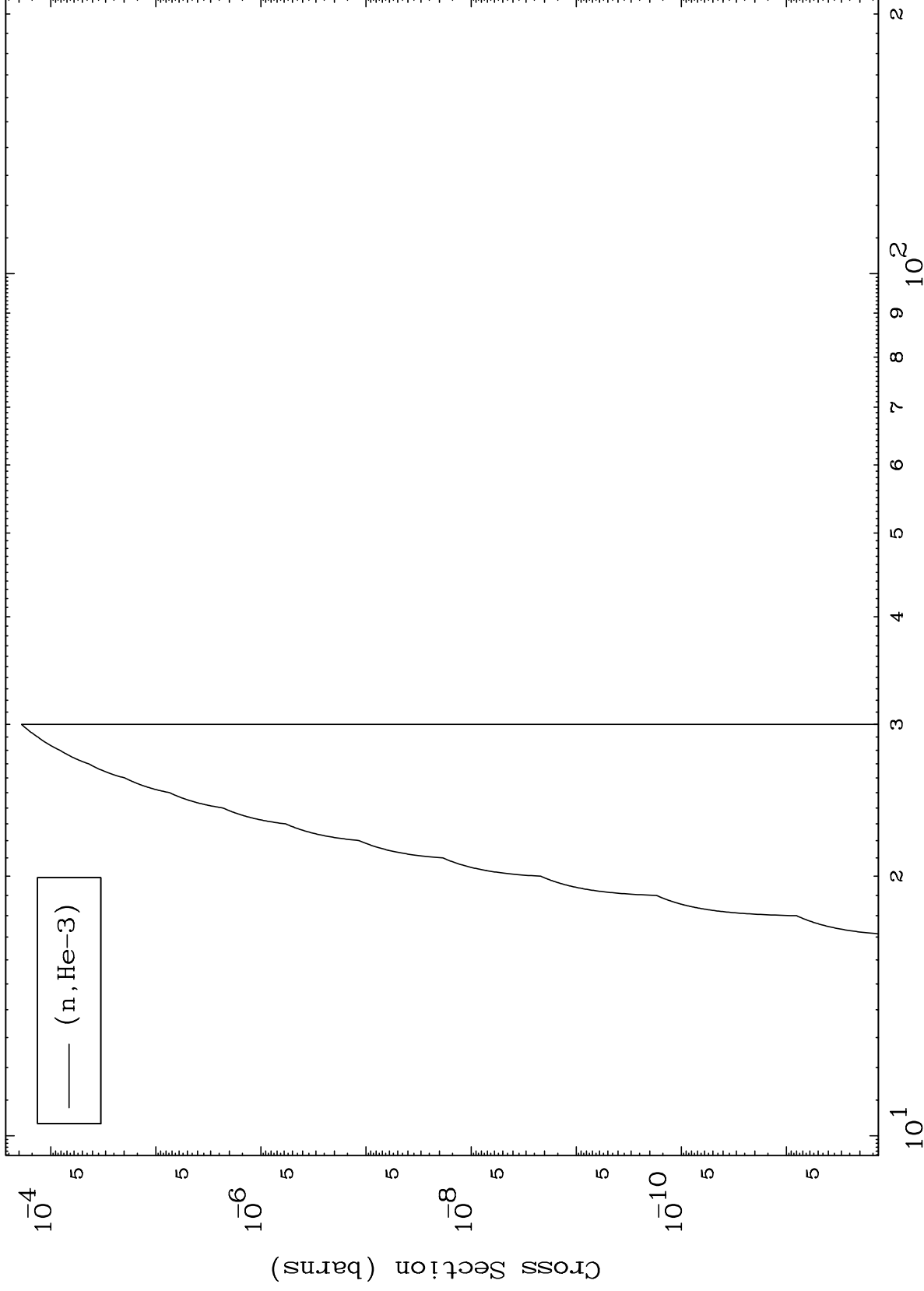
Incident Energy (MeV)

57-La-142

MAT 5737

(n,He3) Levels
293 Kelvin Cross Sections

57-La-142



13

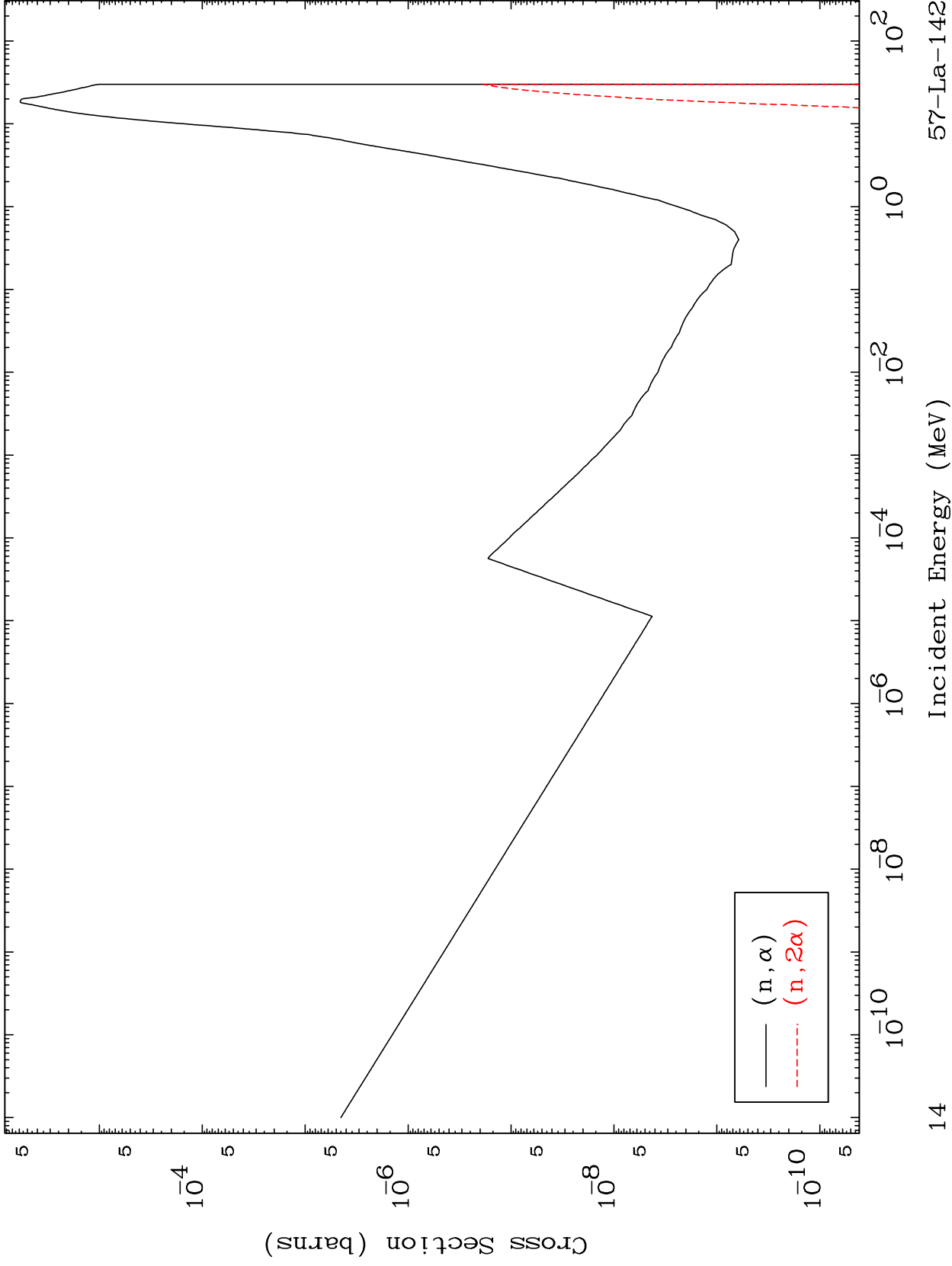
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MAT 5737

(n,α) Levels
293 Kelvin Cross Sections

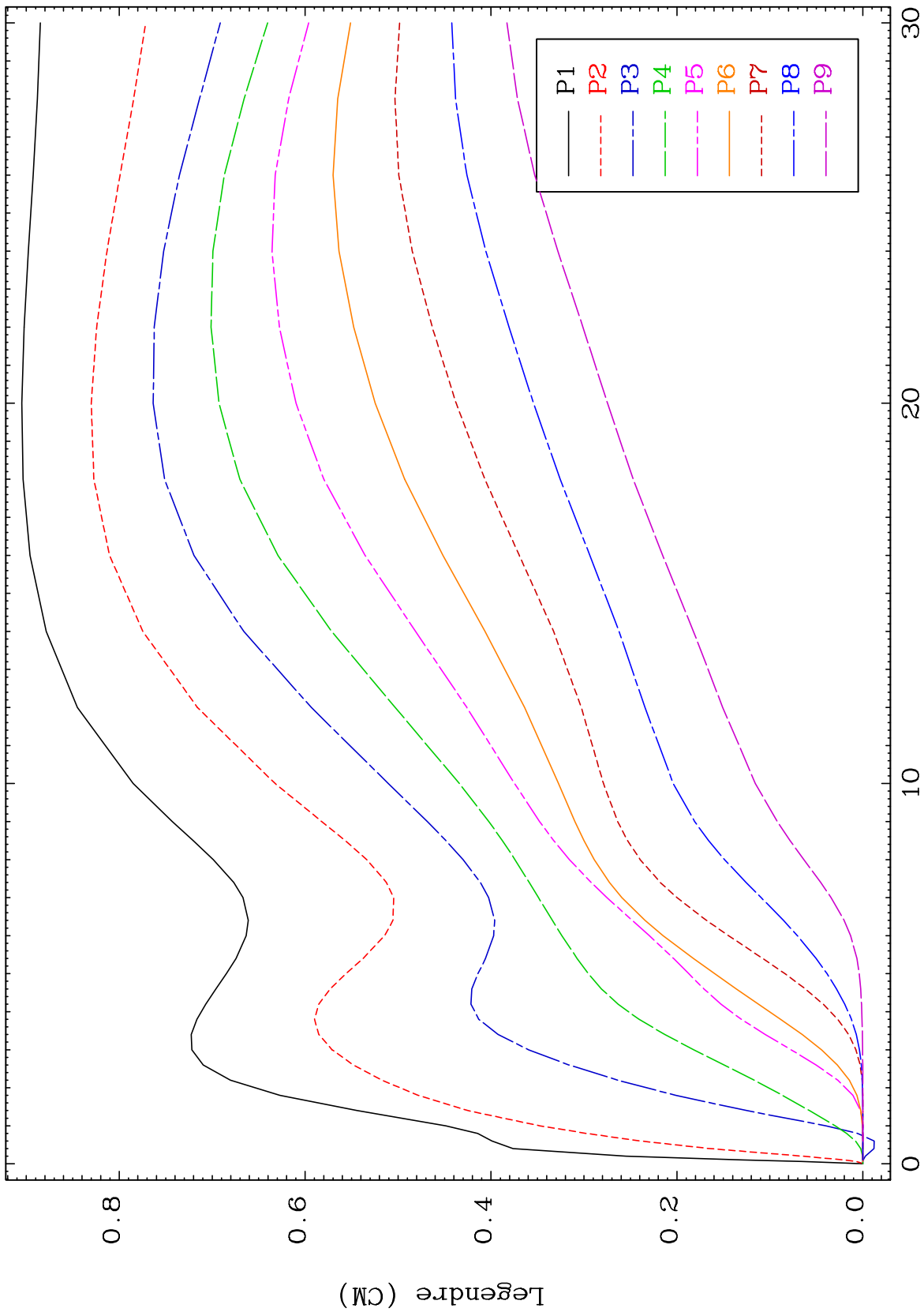
57-La-142



MAT 5737

Elastic Legendre Coefficients

57-La-142



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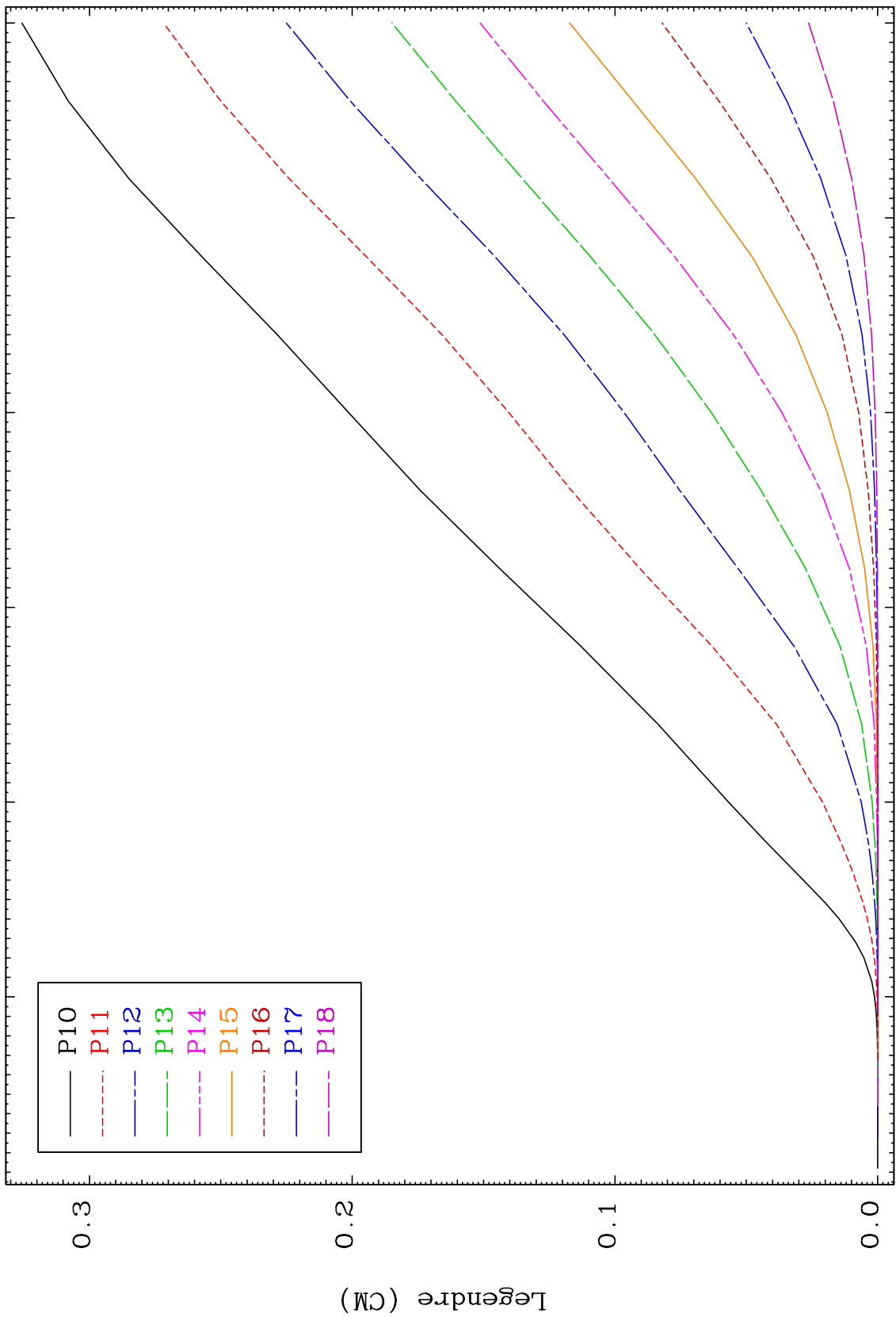
Incident Energy (MeV)

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MAT 5737

Elastic Legendre Coefficients

57-La-142



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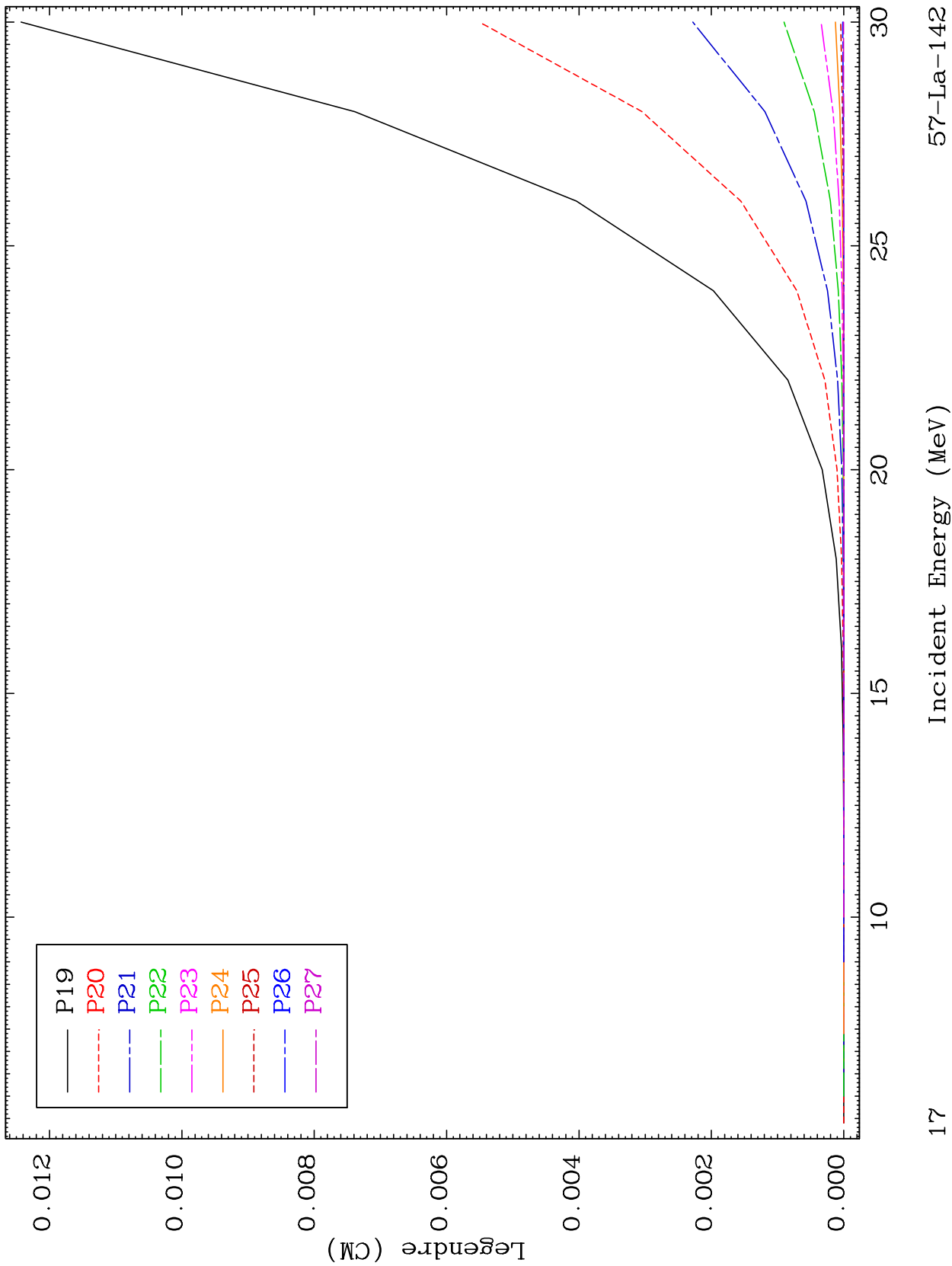
Incident Energy (MeV)

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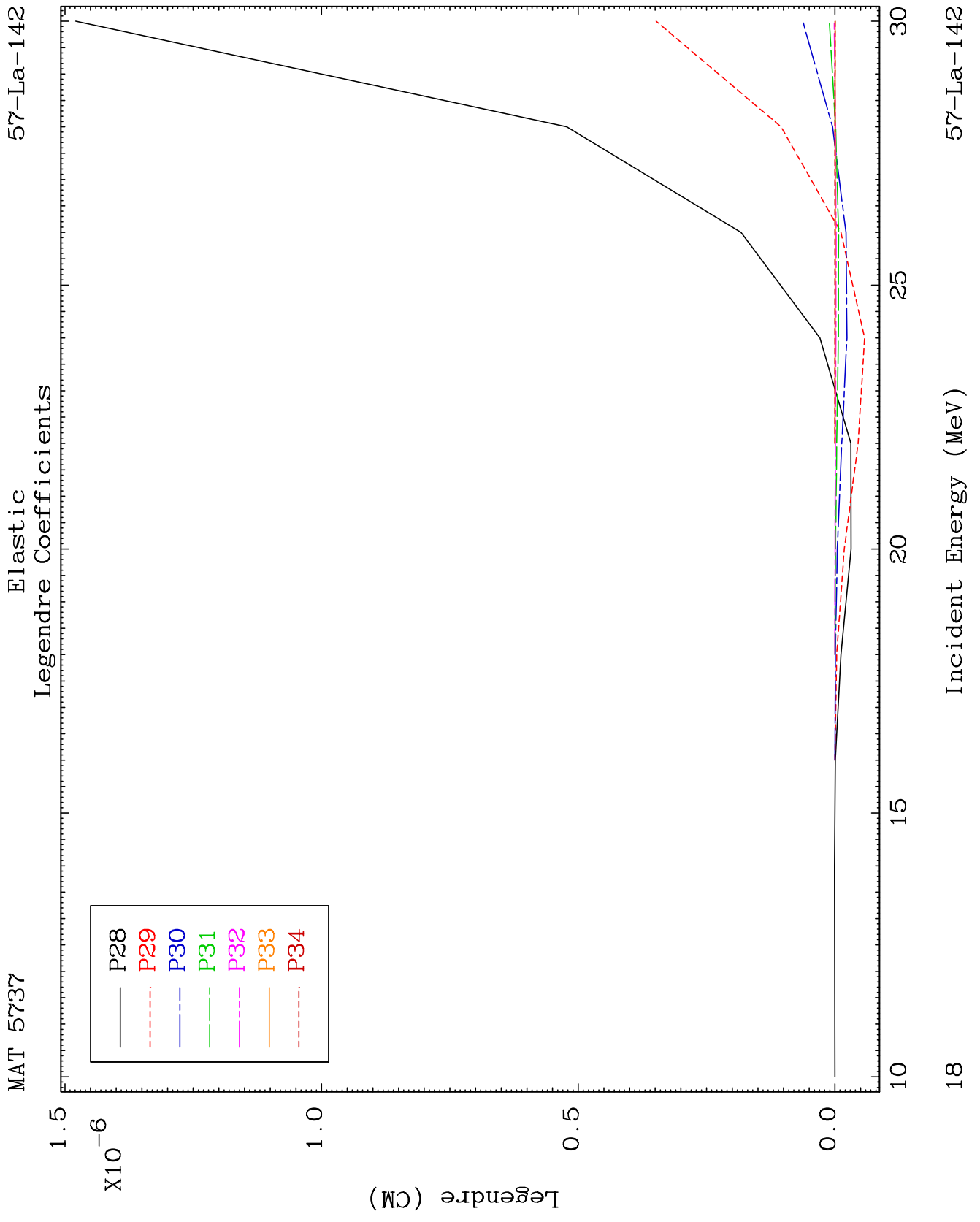
Elastic Legendre Coefficients

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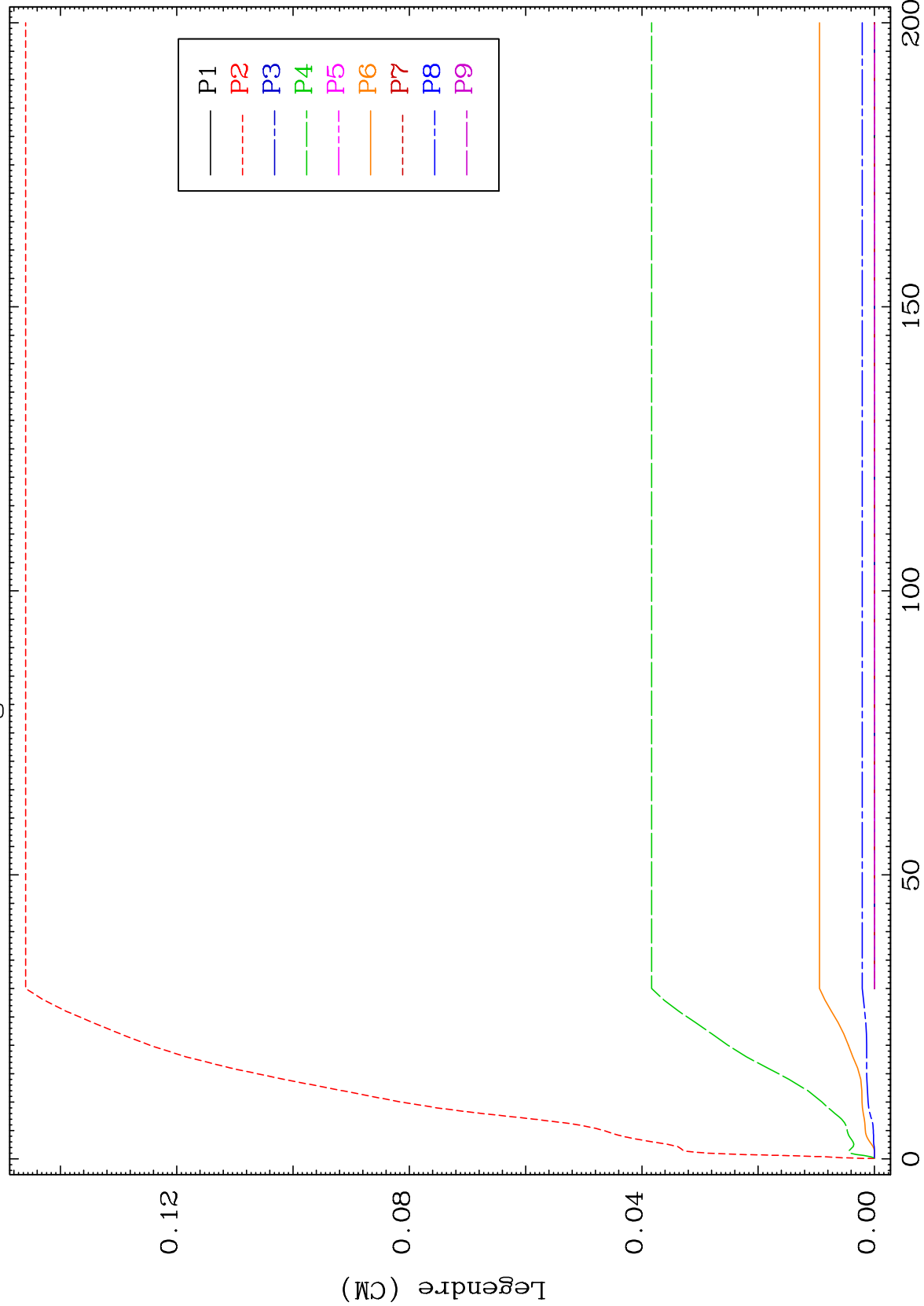
57-La-142



MAT 5737

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

57-La-142



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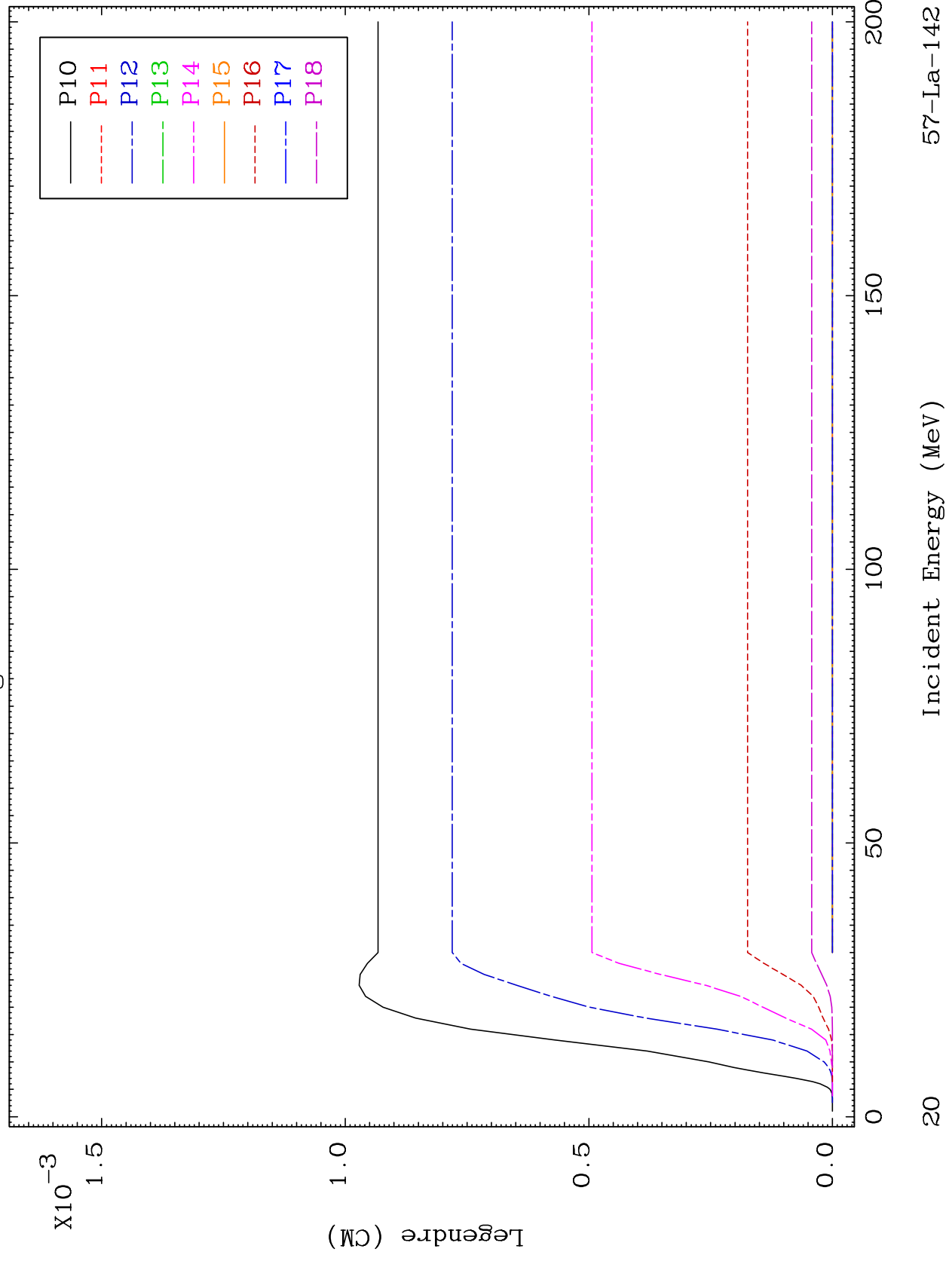
Incident Energy (MeV)

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MAT 5737

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

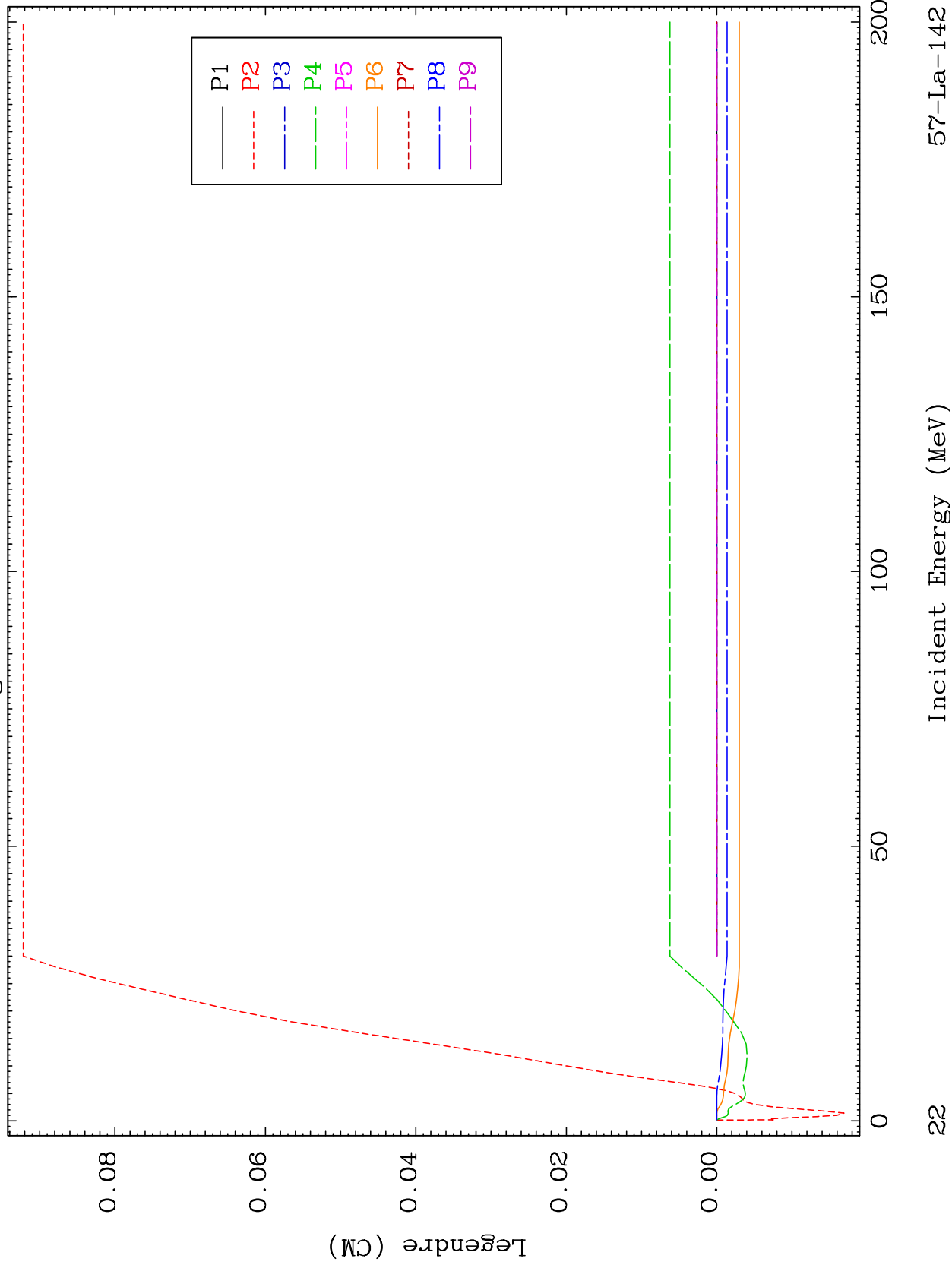
57-La-142



MAT 5737

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

57-La-142



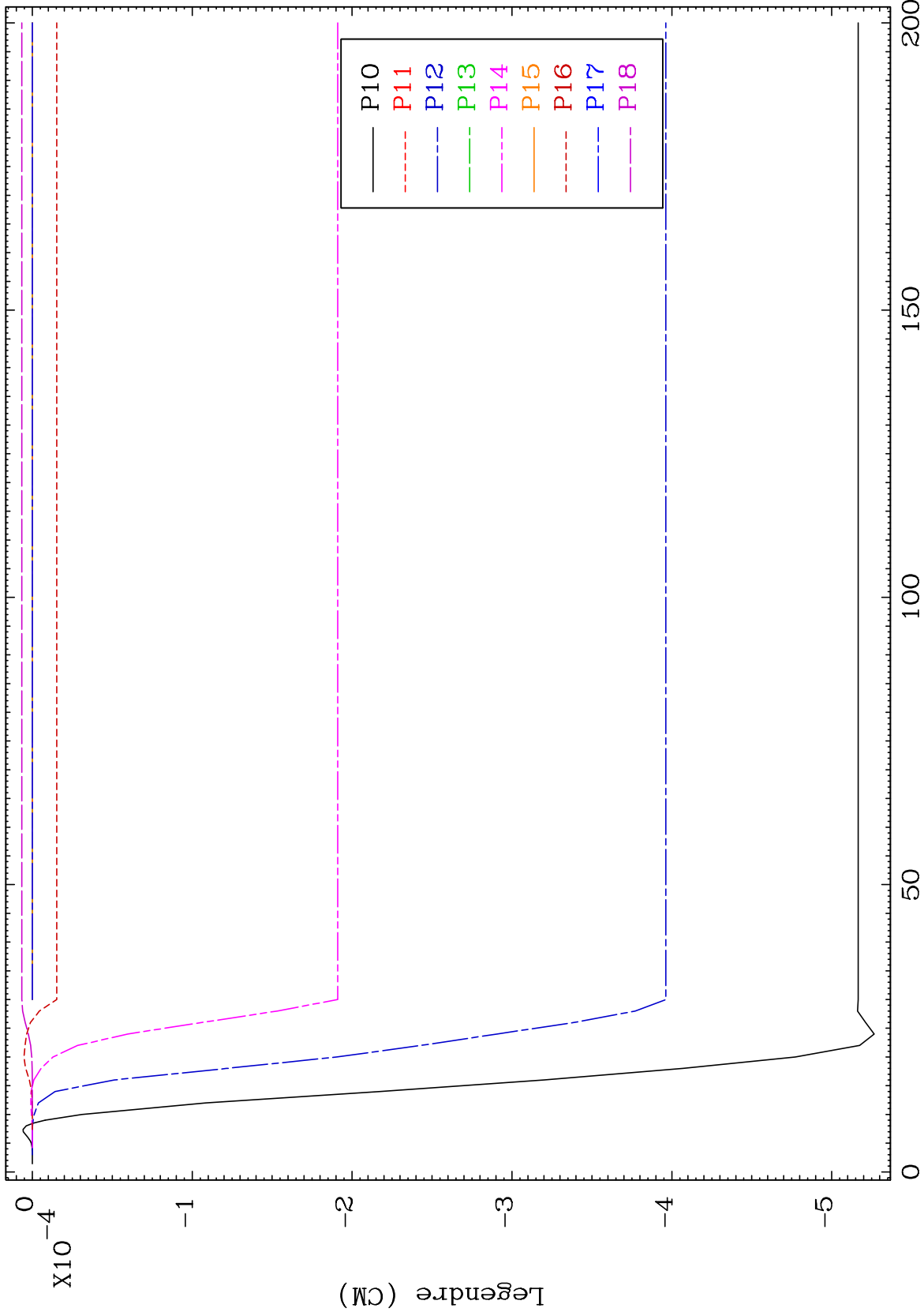
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57-La-142

MAT 5737

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

57-La-142



23

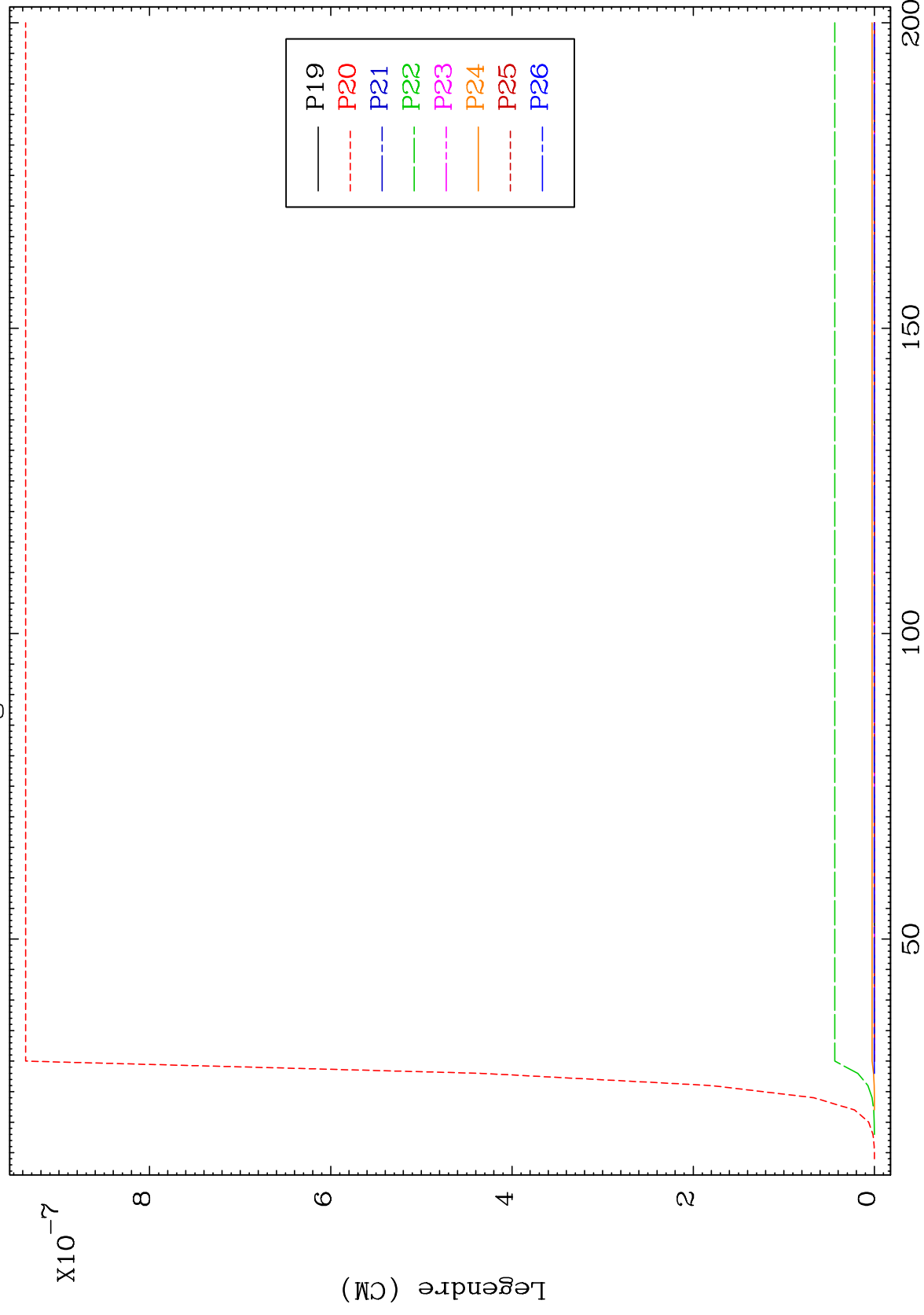
Incident Energy (MeV)

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MAT 5737

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

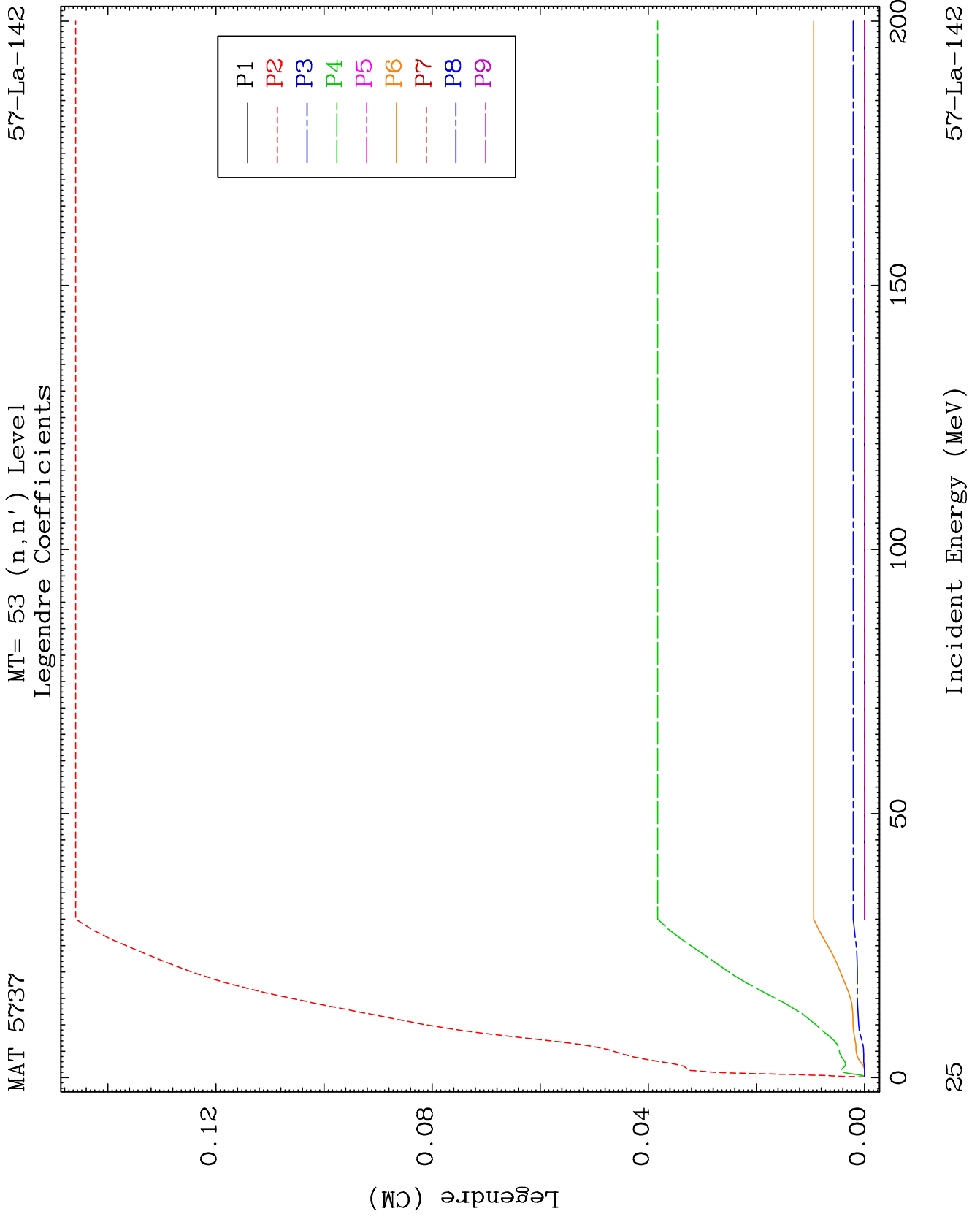
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Incident Energy (MeV)

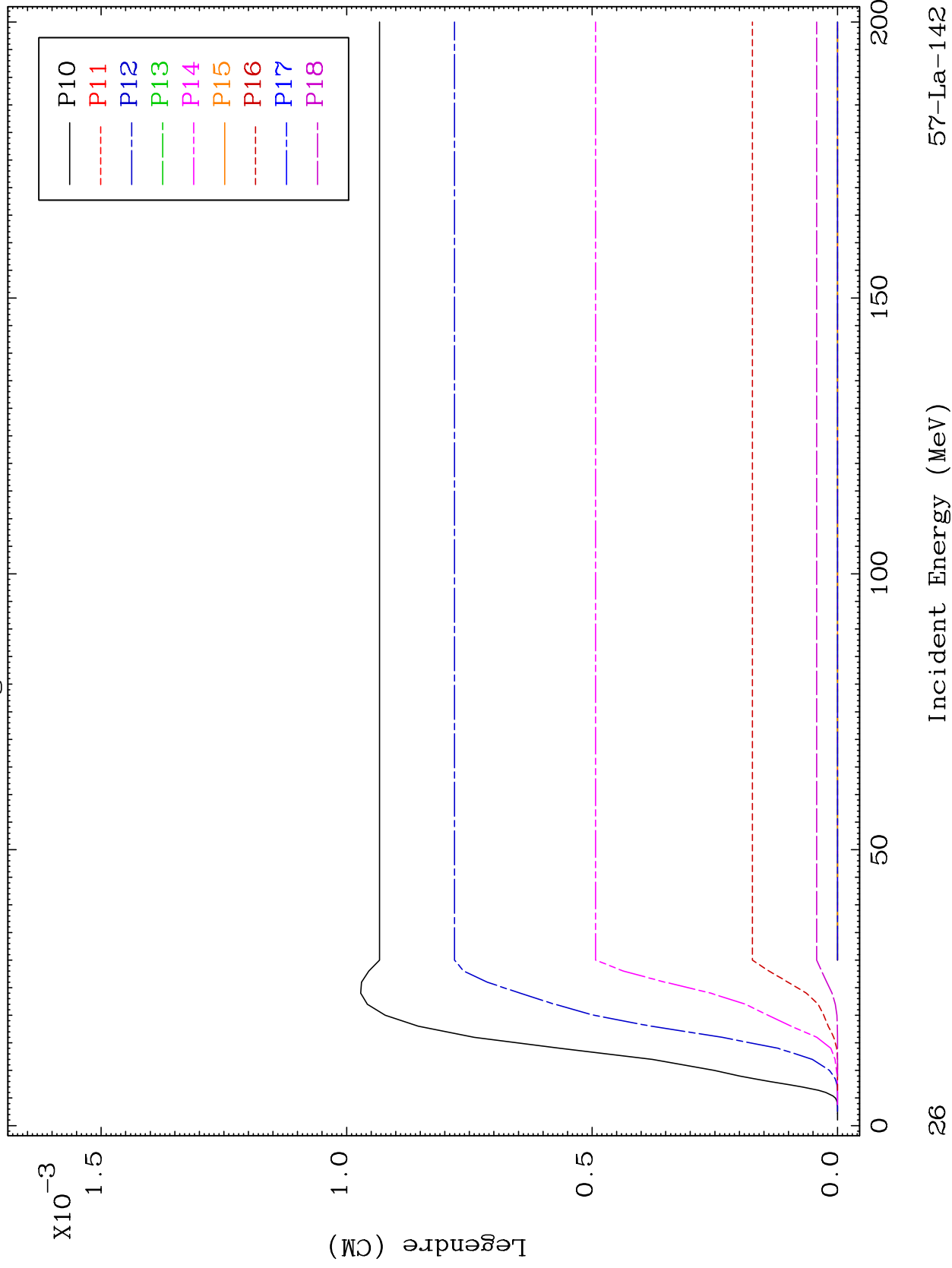
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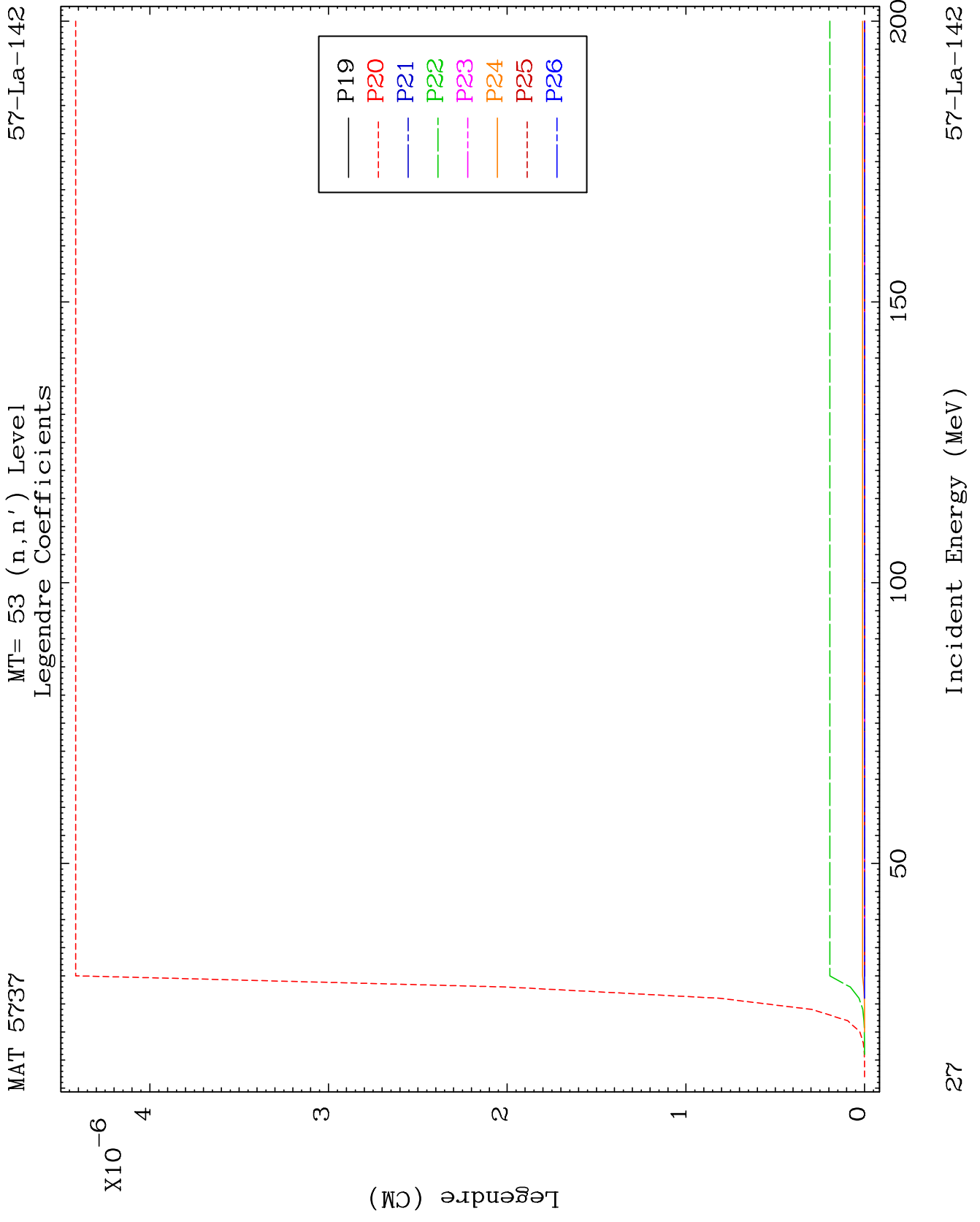


MAT 5737

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

57-La-142

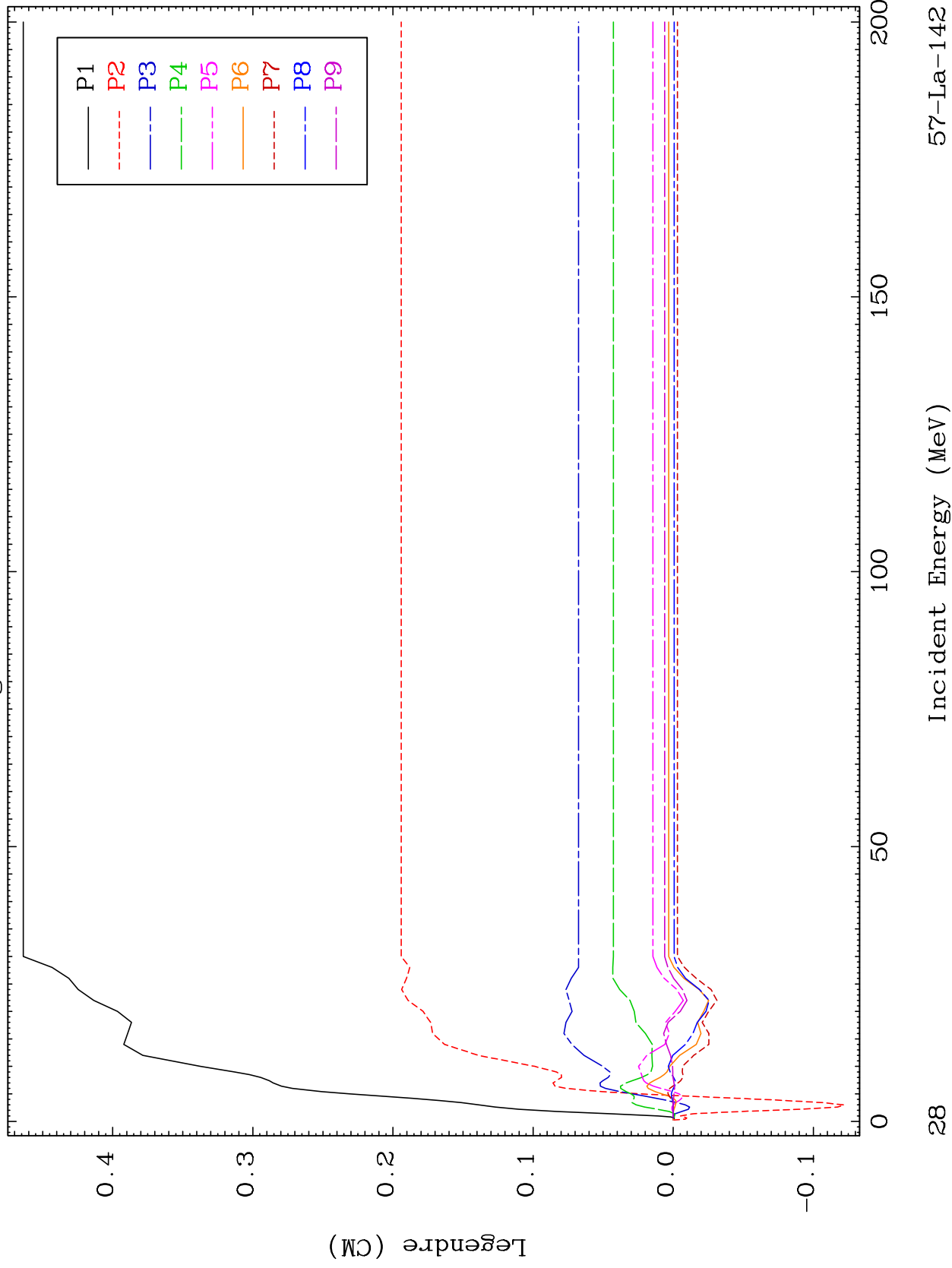




MAT 5737

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

57-La-142



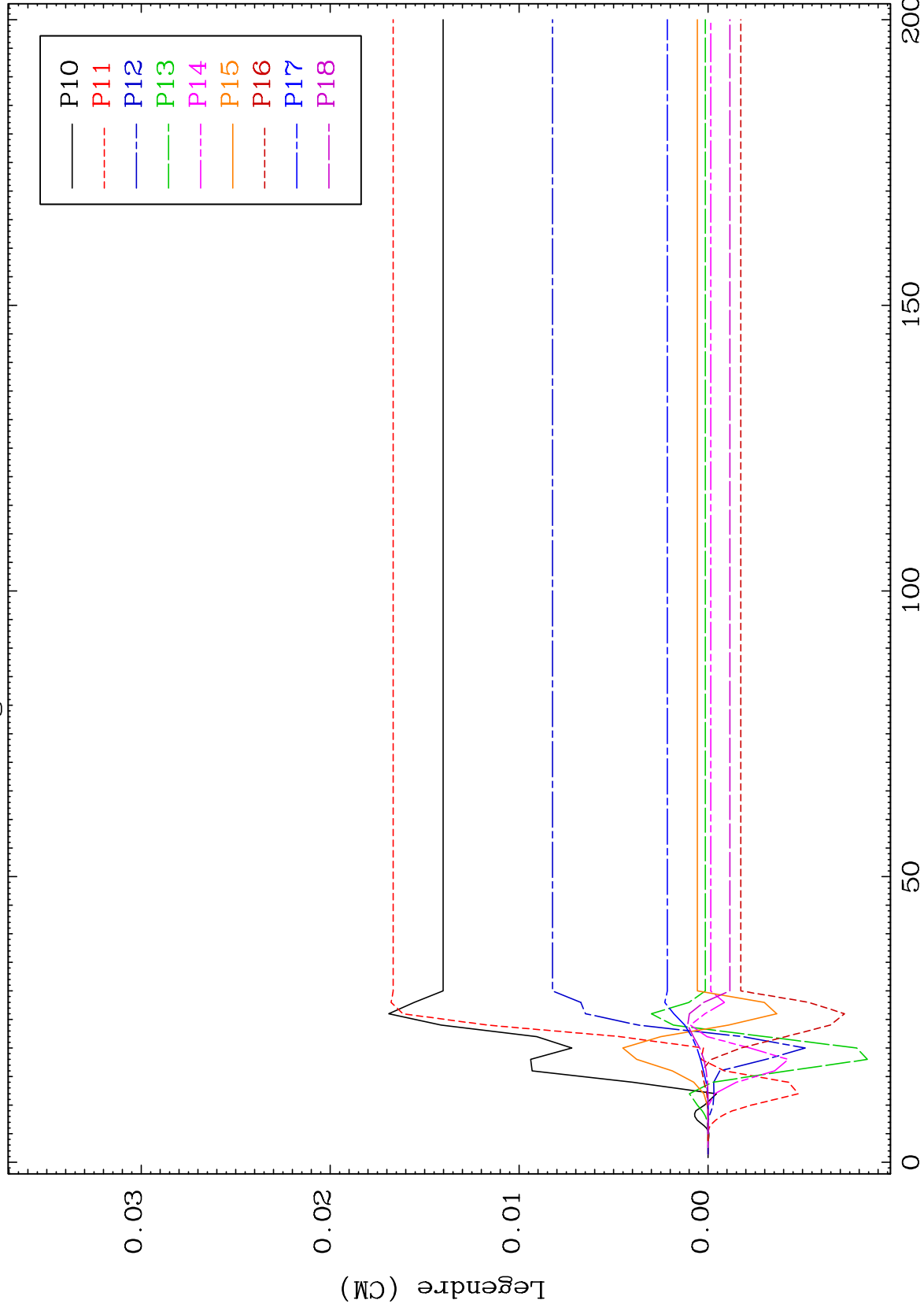
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57-La-142

MAT 5737

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

57-La-142



29

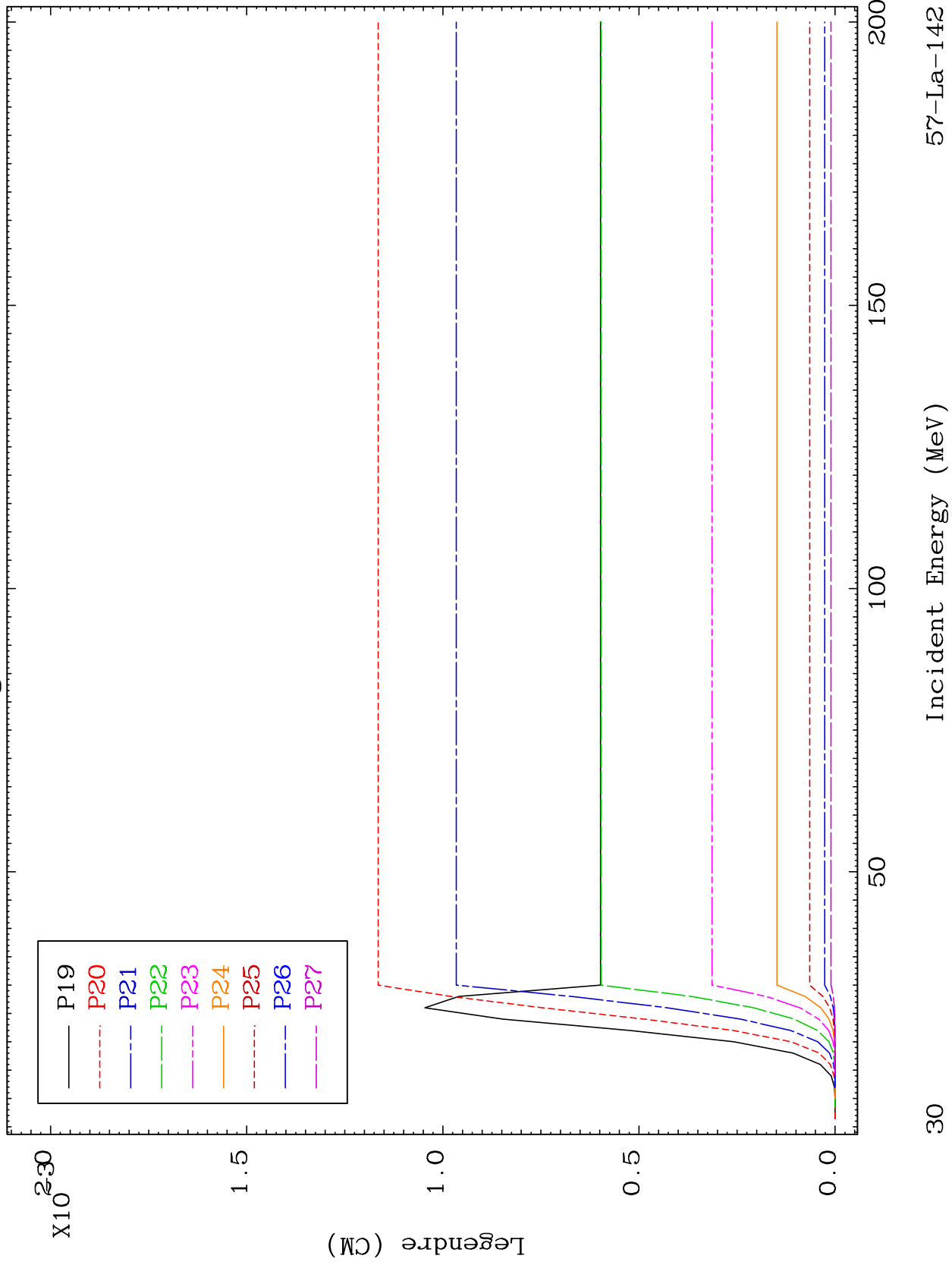
Incident Energy (MeV)

57-La-142

MAT 5737

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

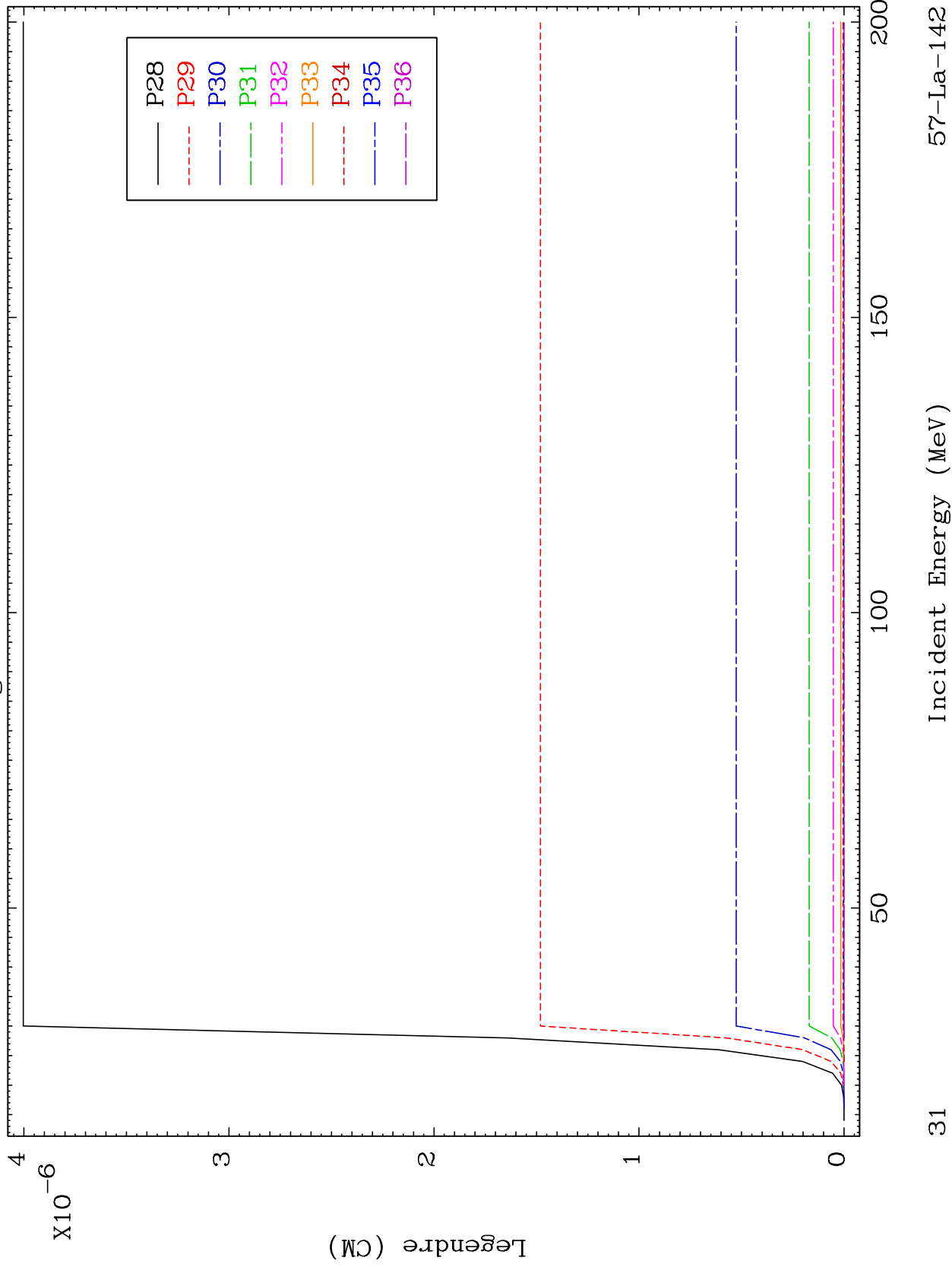
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MAT 5737

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

57-La-142



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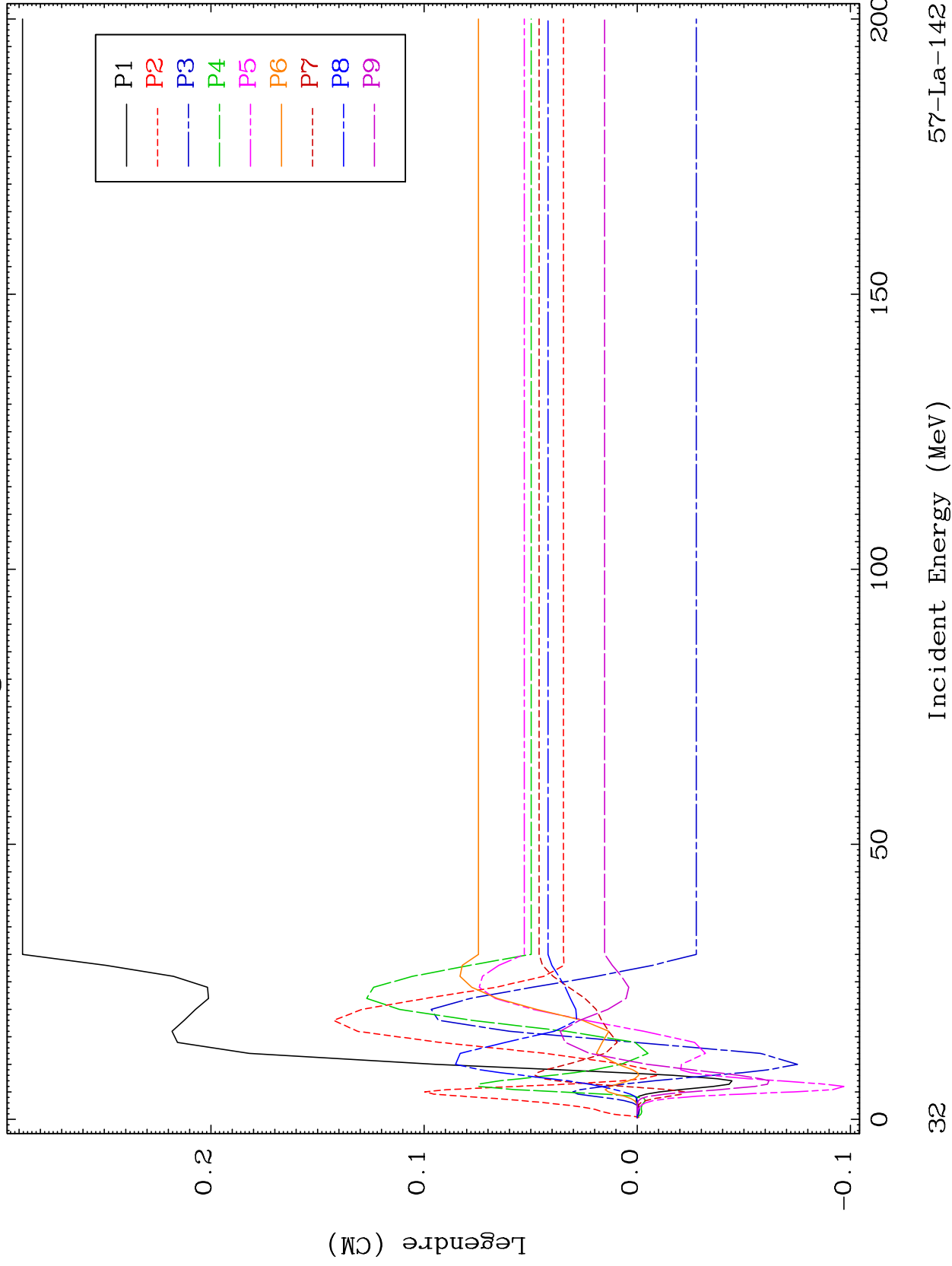
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



57-La-142

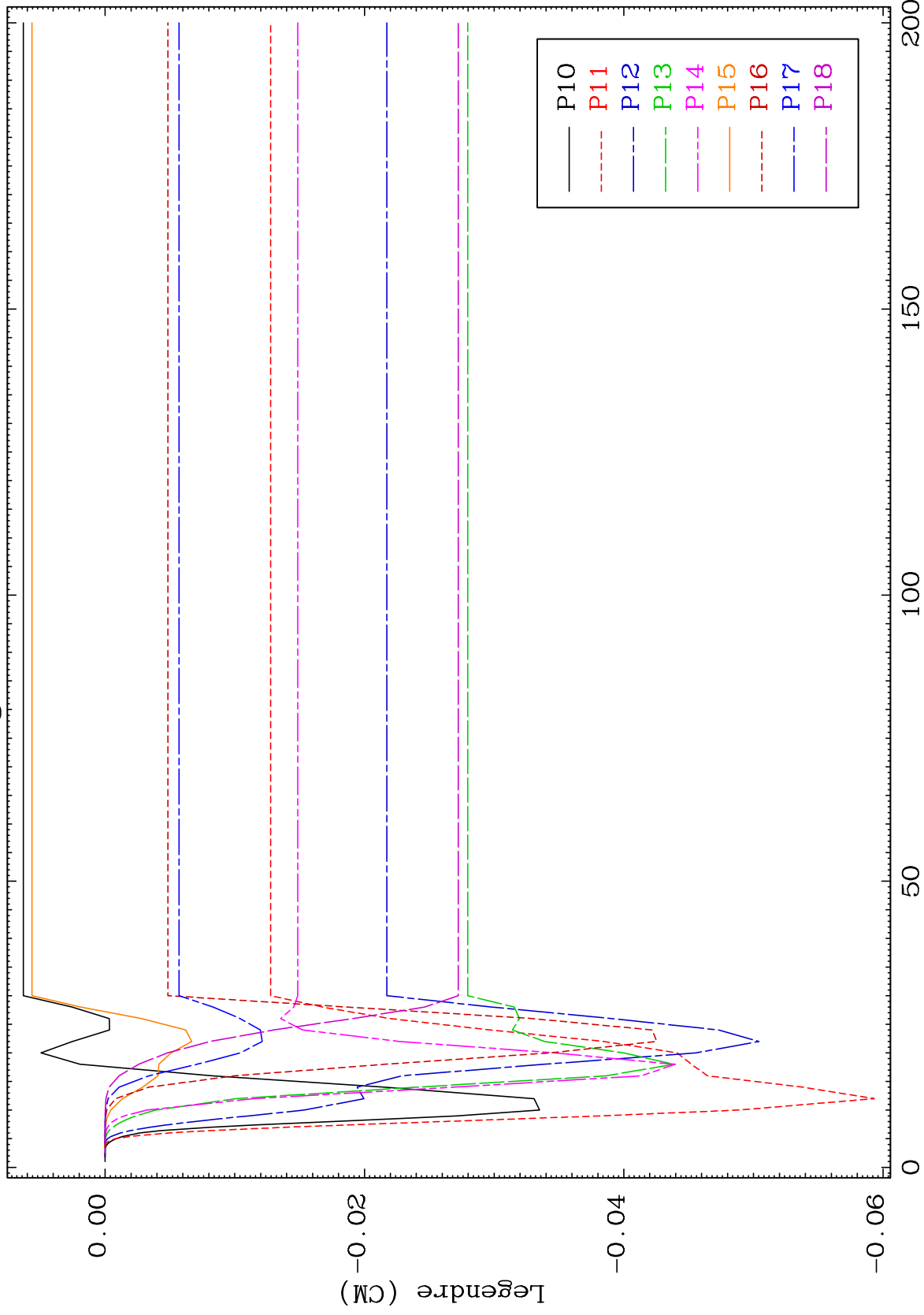
Incident Energy (MeV)

32

MAT 5737

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

57-La-142



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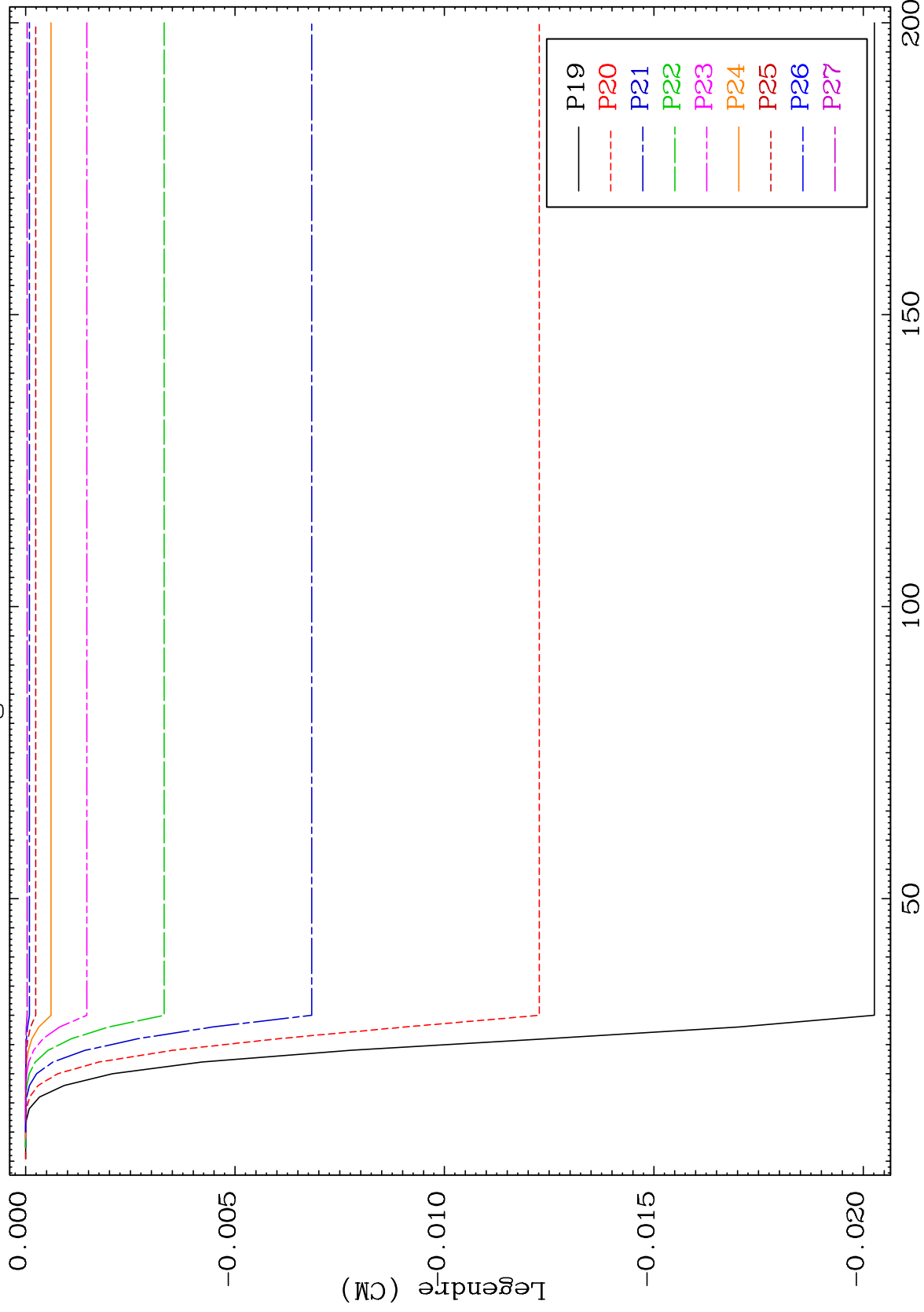
Incident Energy (MeV)

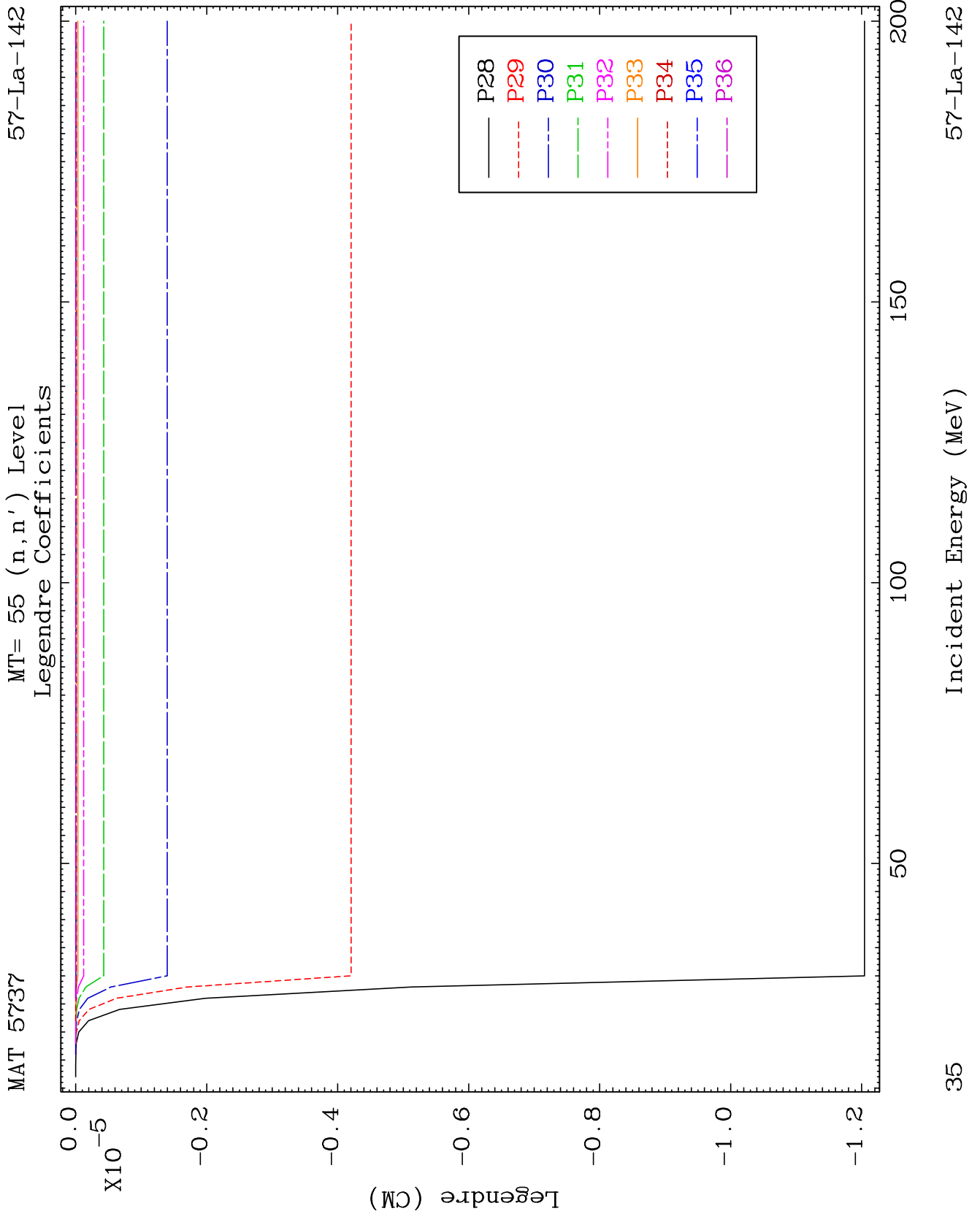
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MAT 5737

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

57-La-142

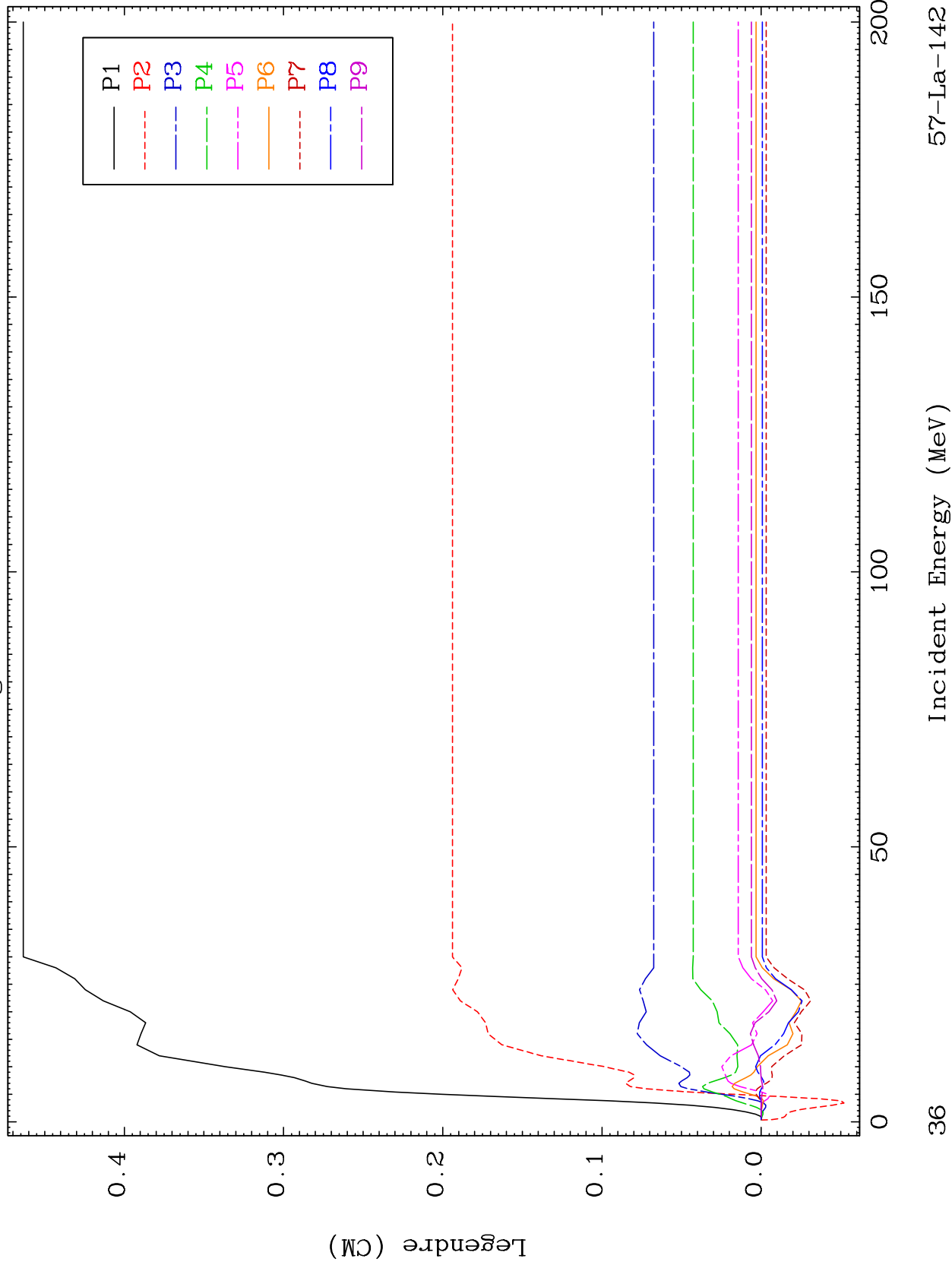




MAT 5737

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

57-La-142



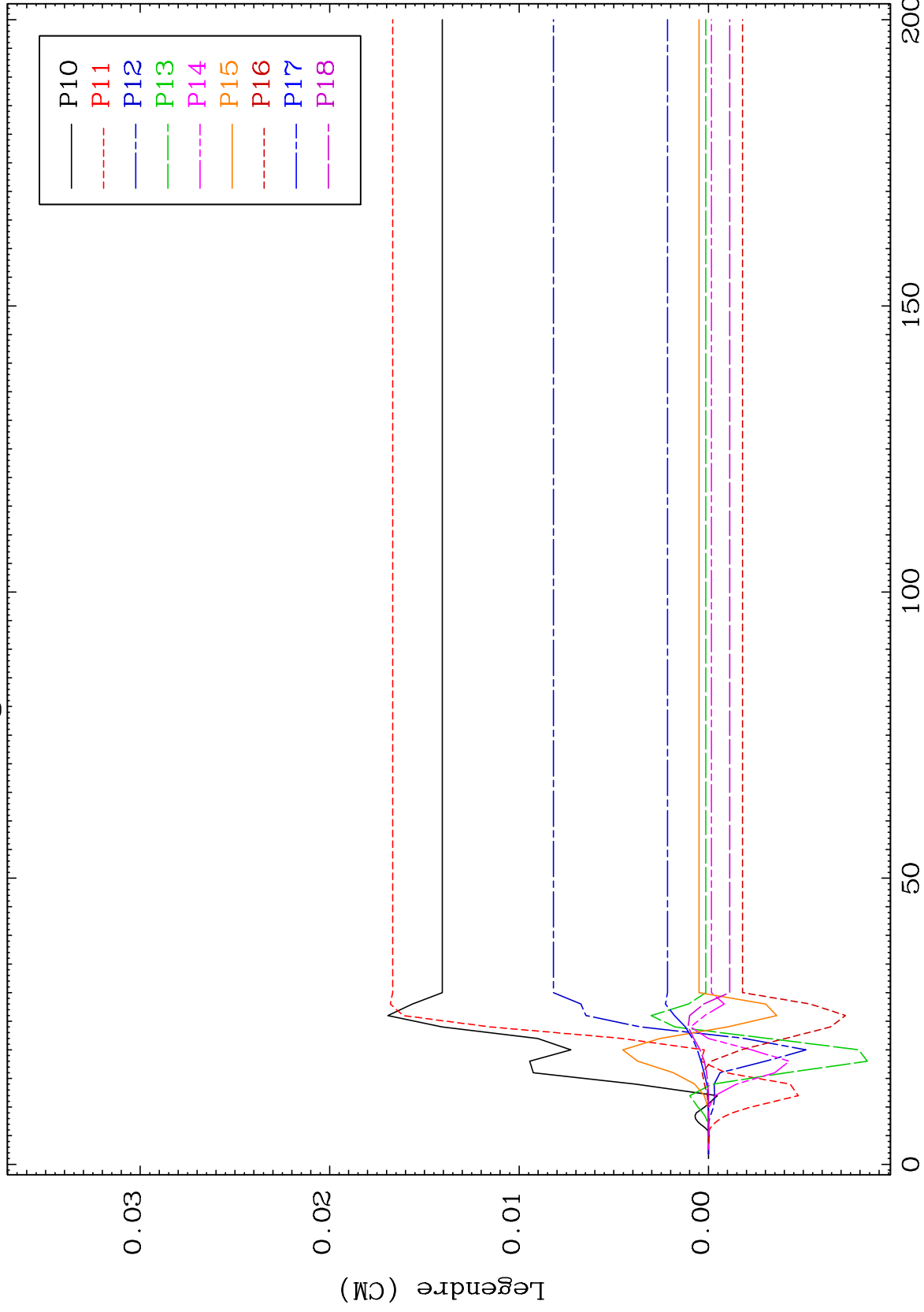
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MAT 5737

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

57-La-142



37

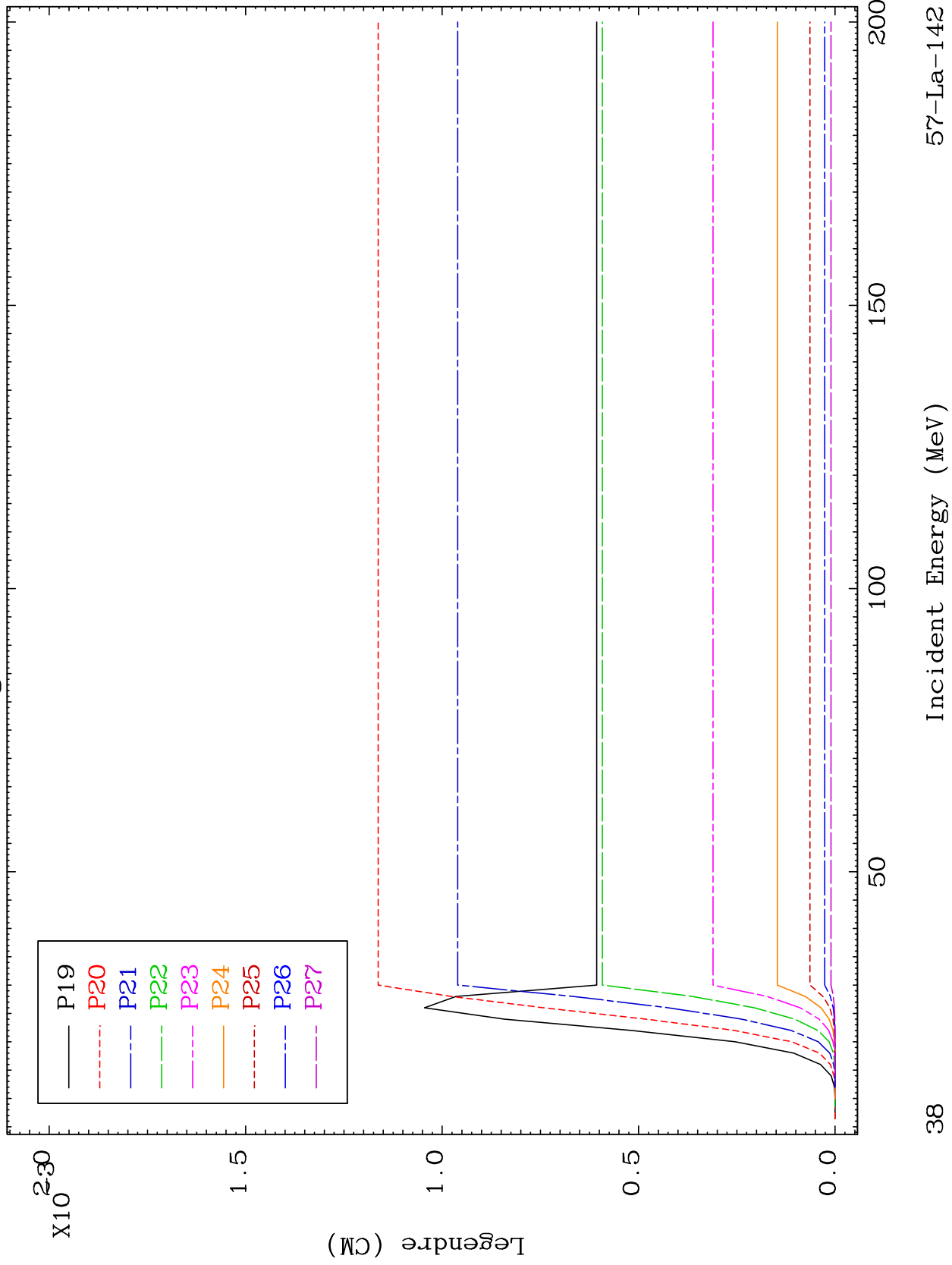
Incident Energy (MeV)

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MAT 5737

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

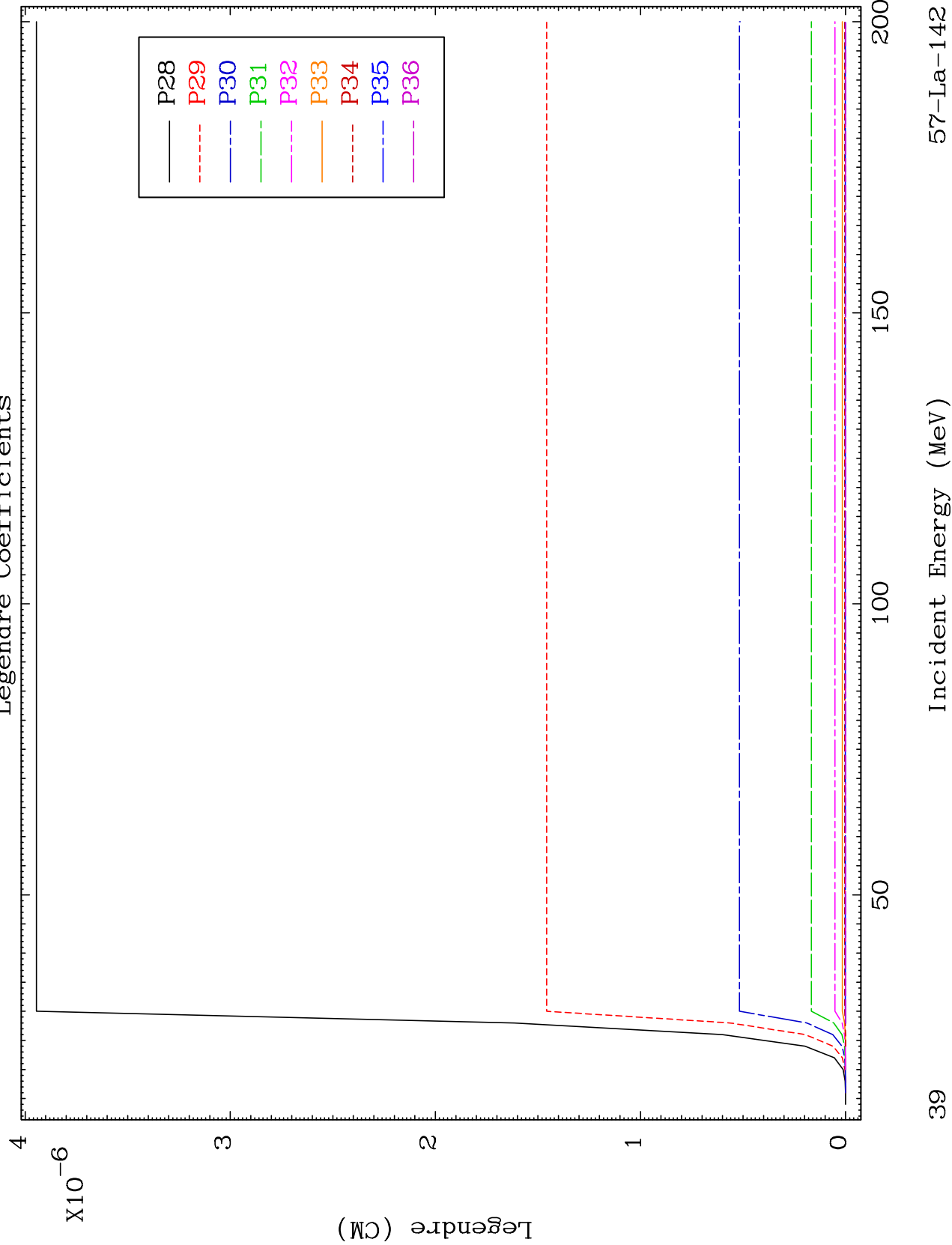
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MAT 5737

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

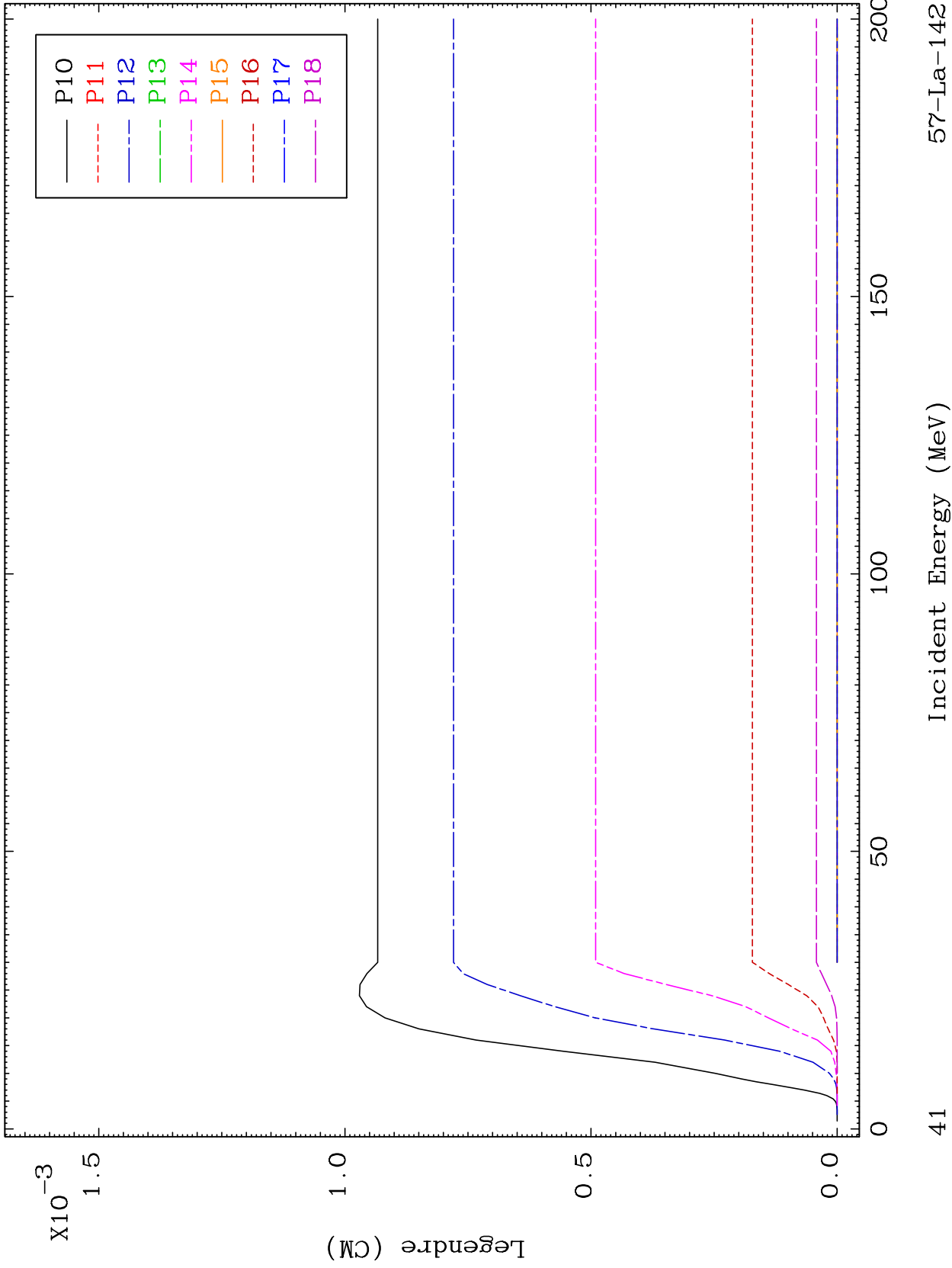
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MAT 5737

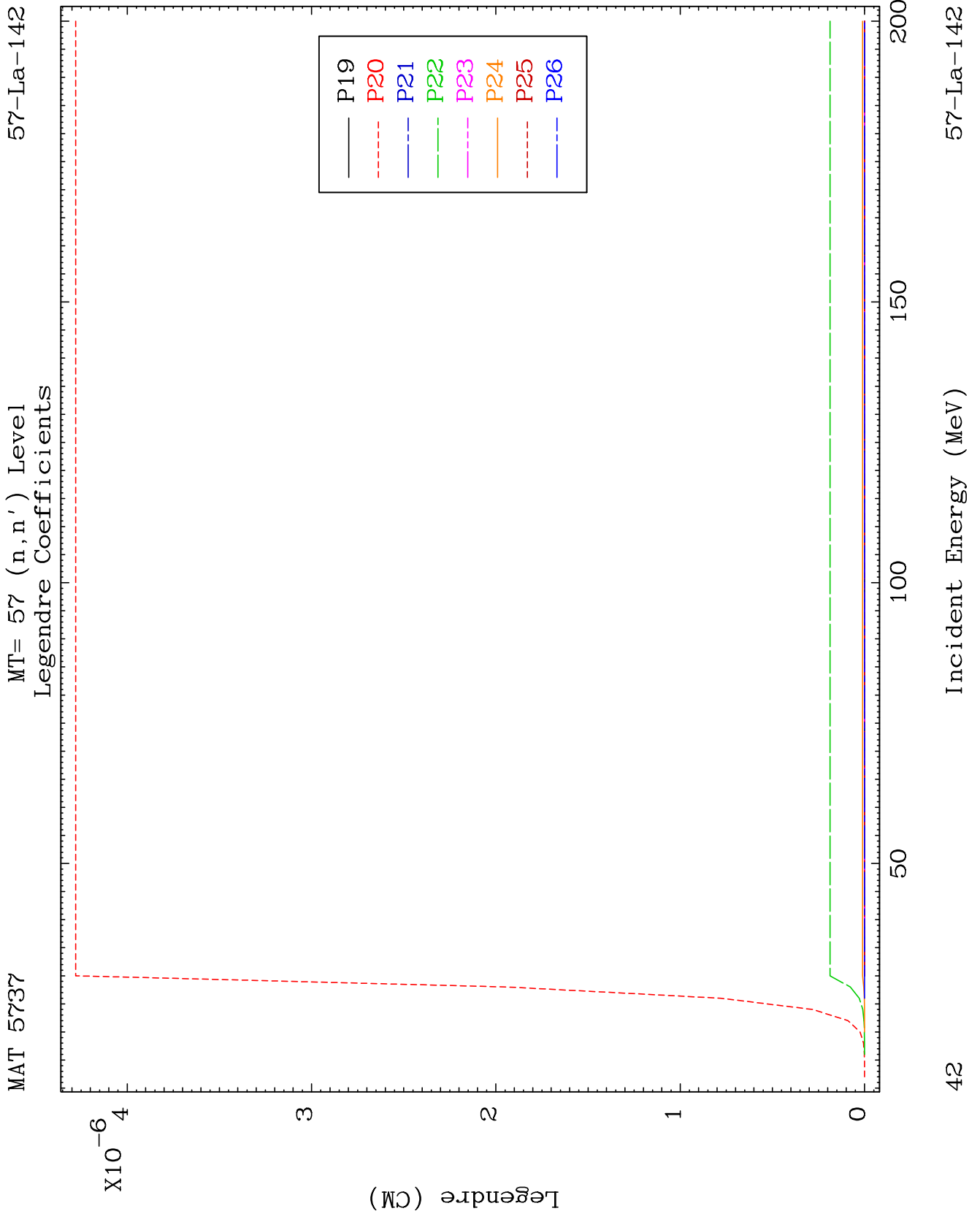
MT= 57 (n,n') Level
Legendre Coefficients

57-La-142



41

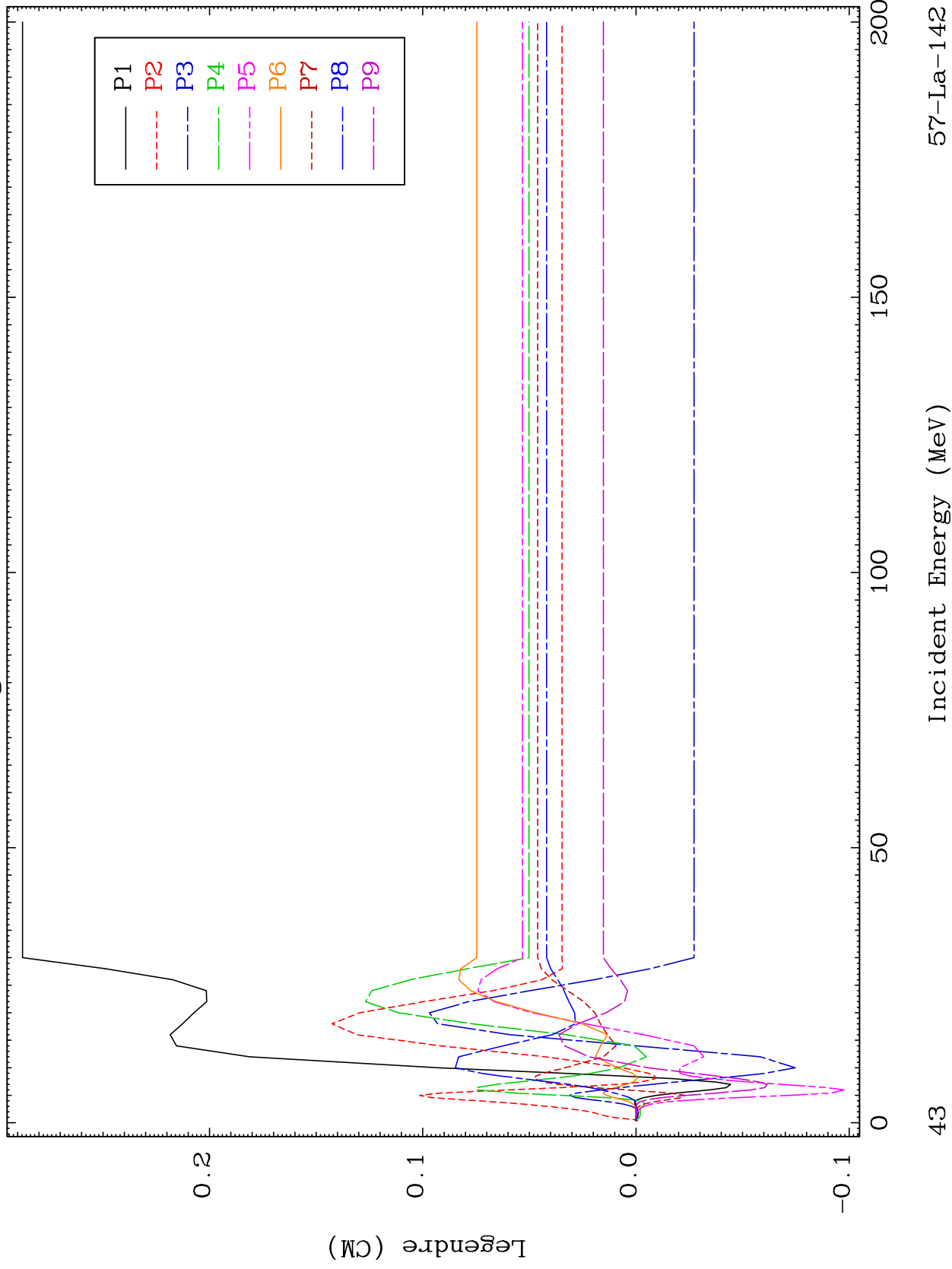
57-La-142



MAT 5737

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

57-La-142



57-La-142

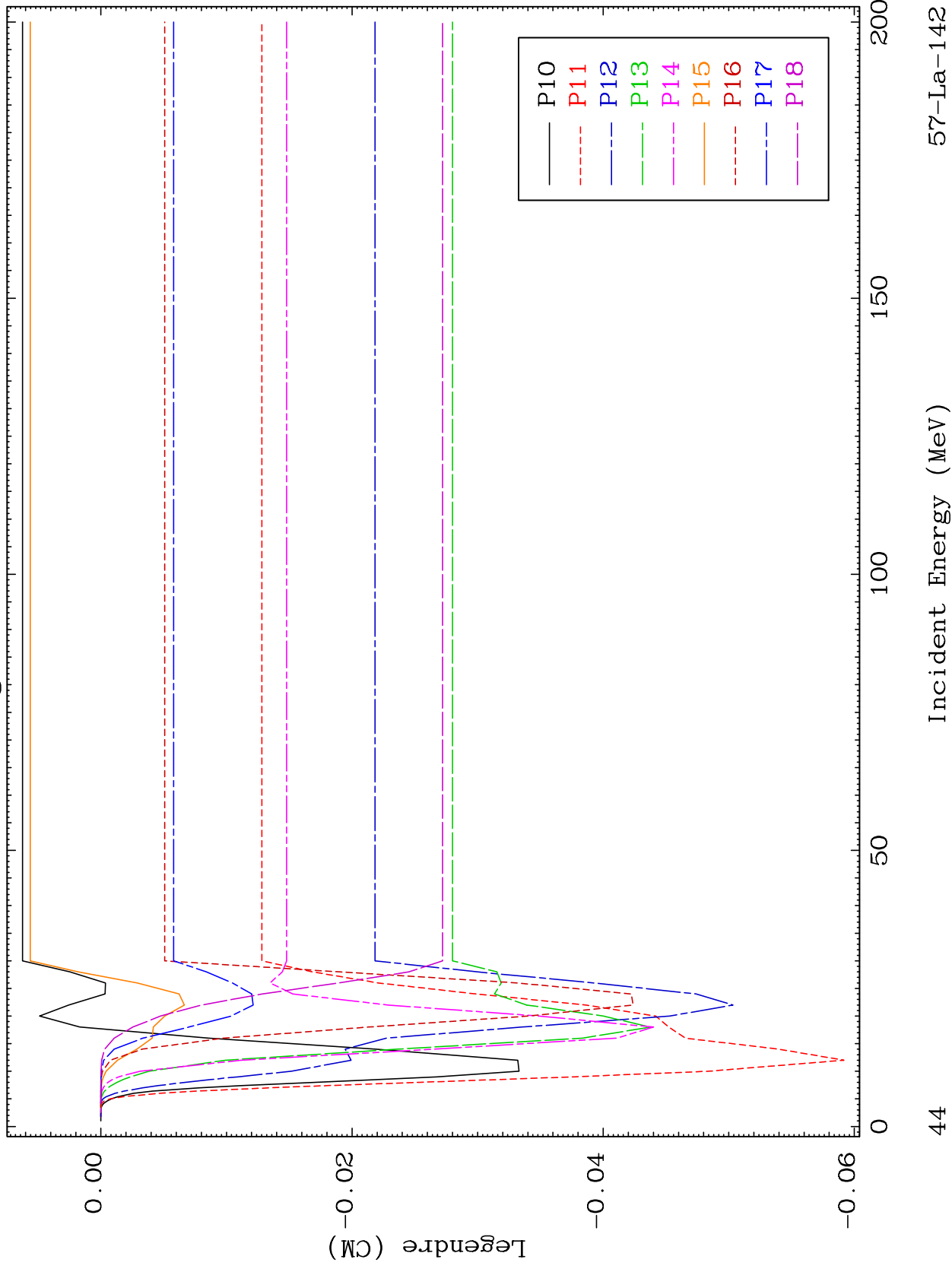
Incident Energy (MeV)

43

MAT 5737

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

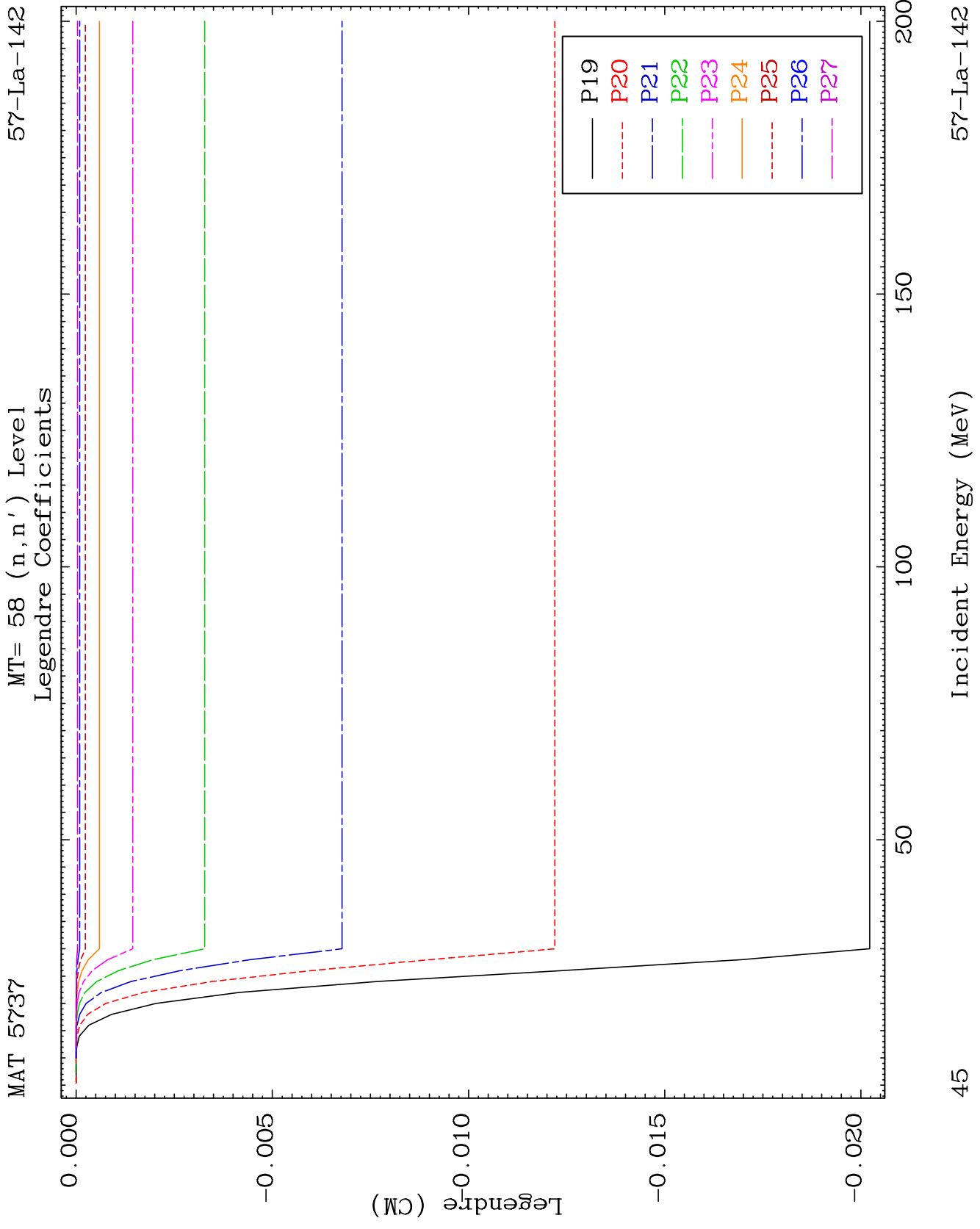
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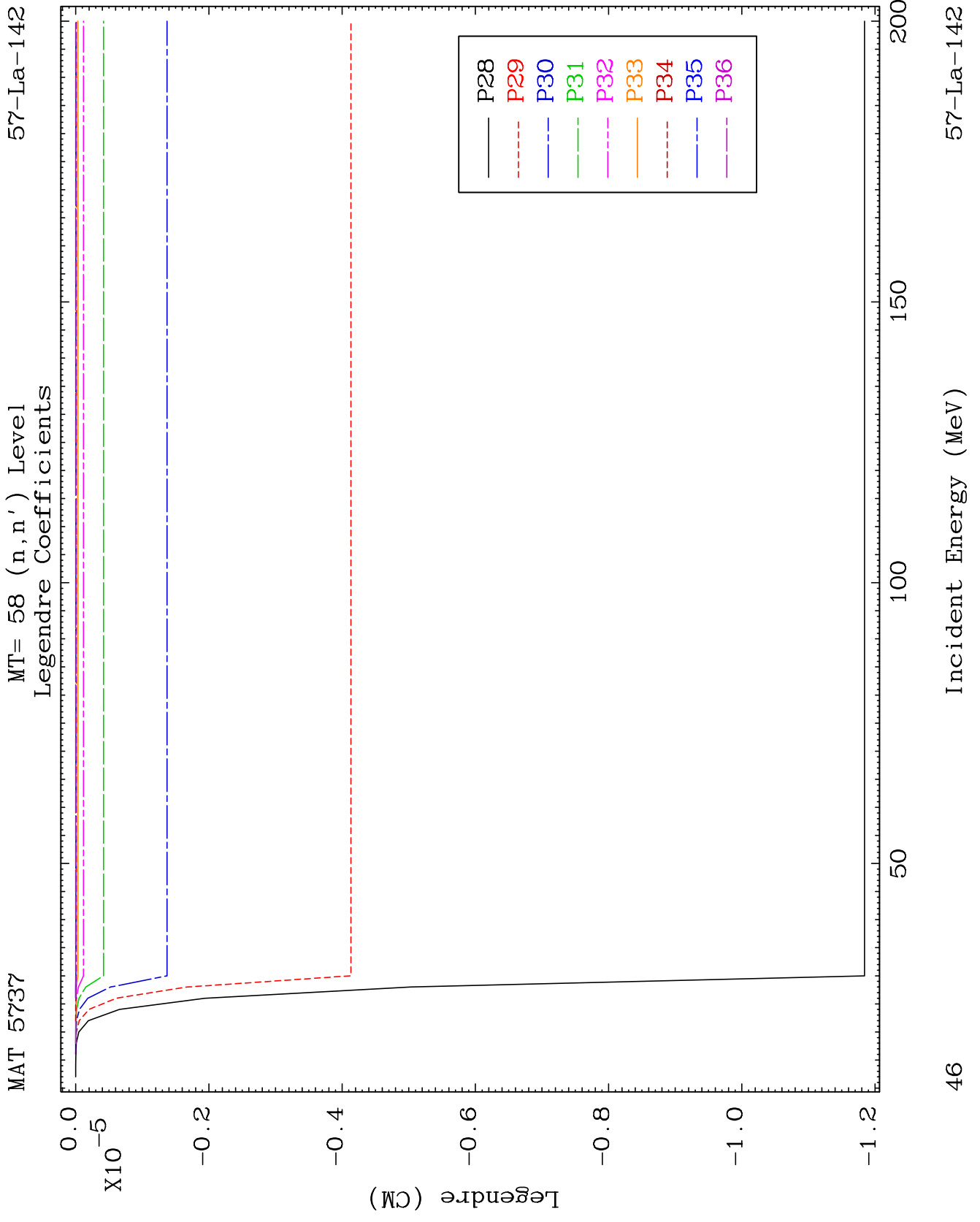


57-La-142

Incident Energy (MeV)

44

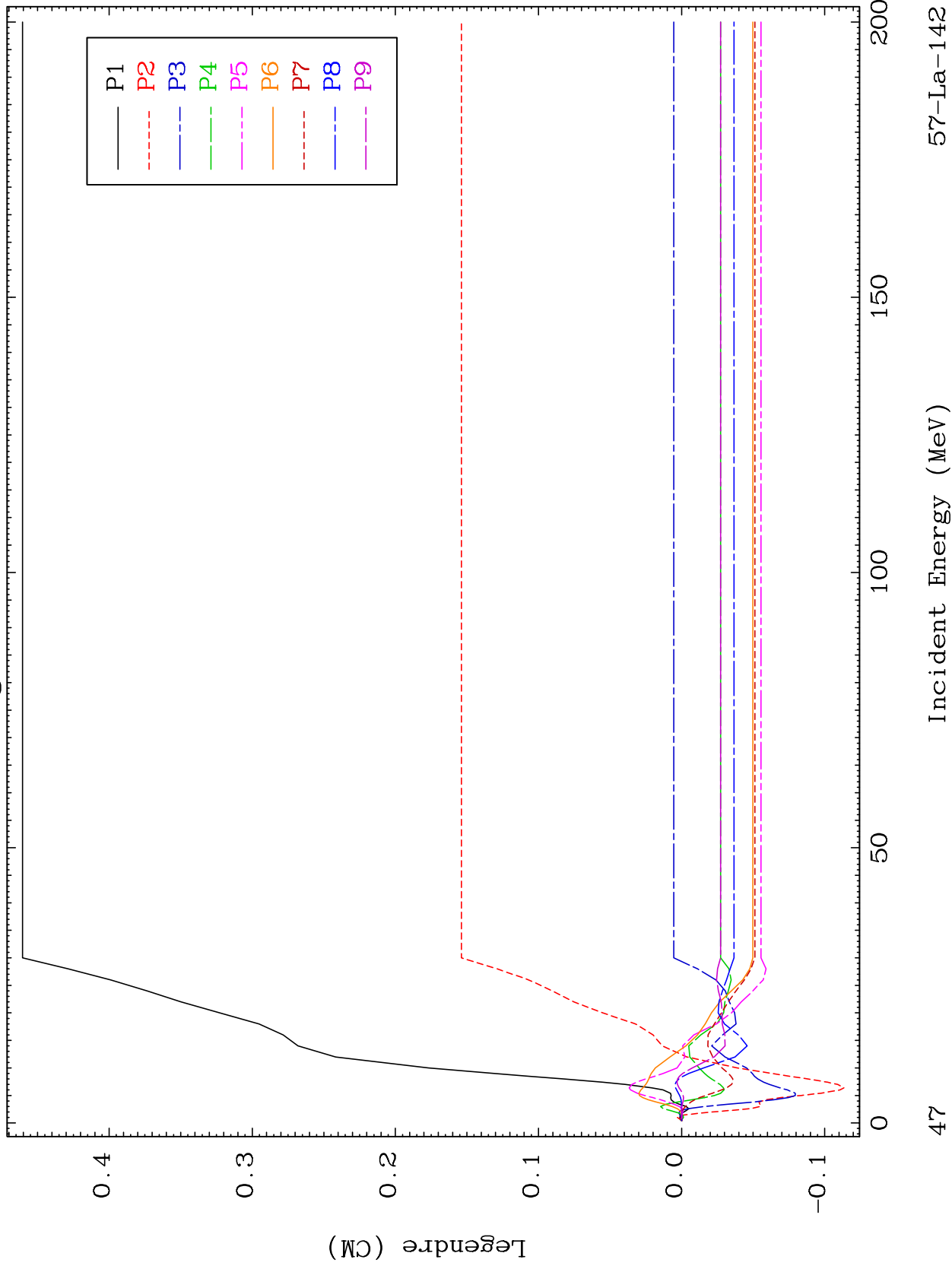




MAT 5737

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

57-La-142



57-La-142

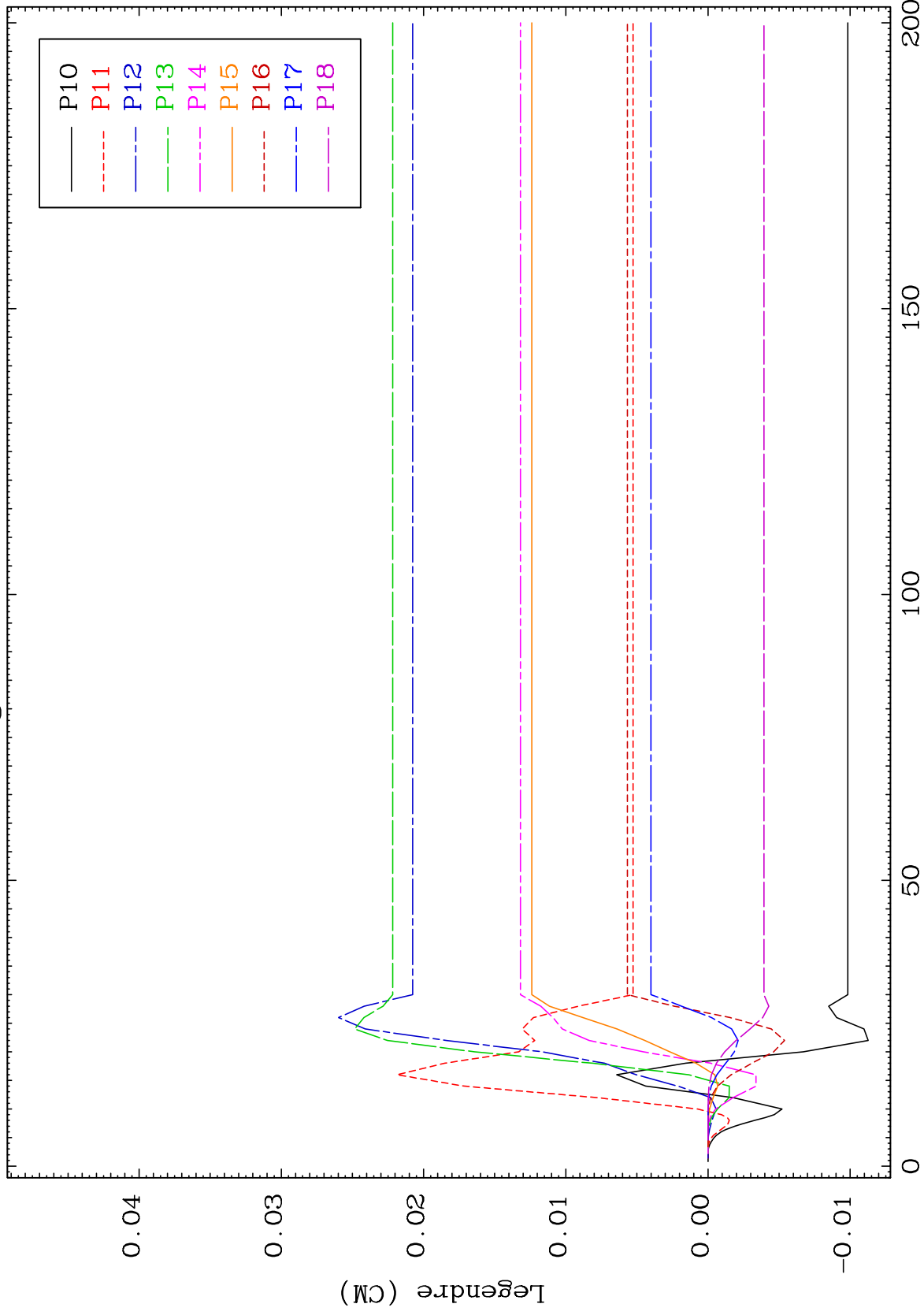
Incident Energy (MeV)

47

MAT 5737

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

57-La-142



48

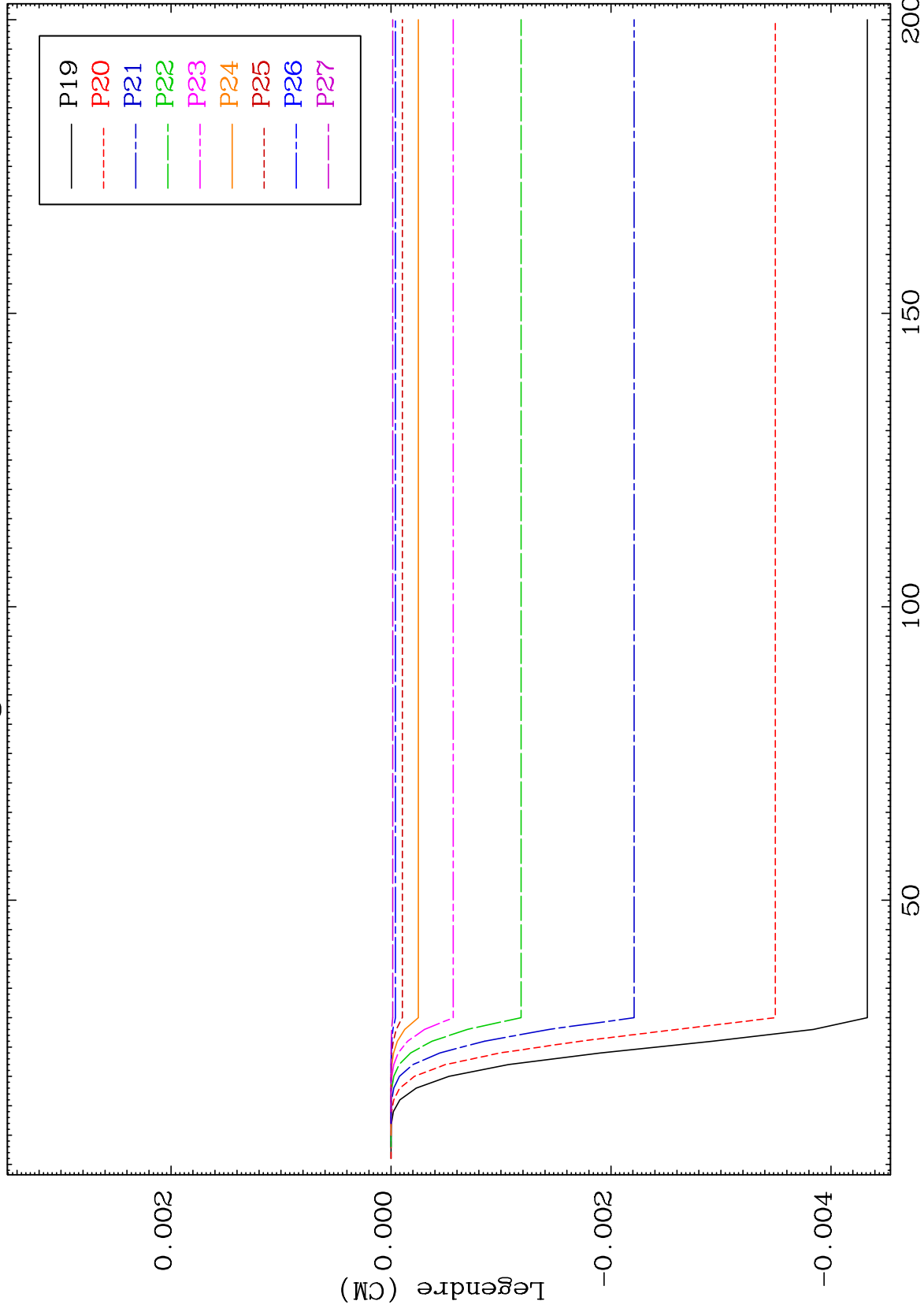
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



49

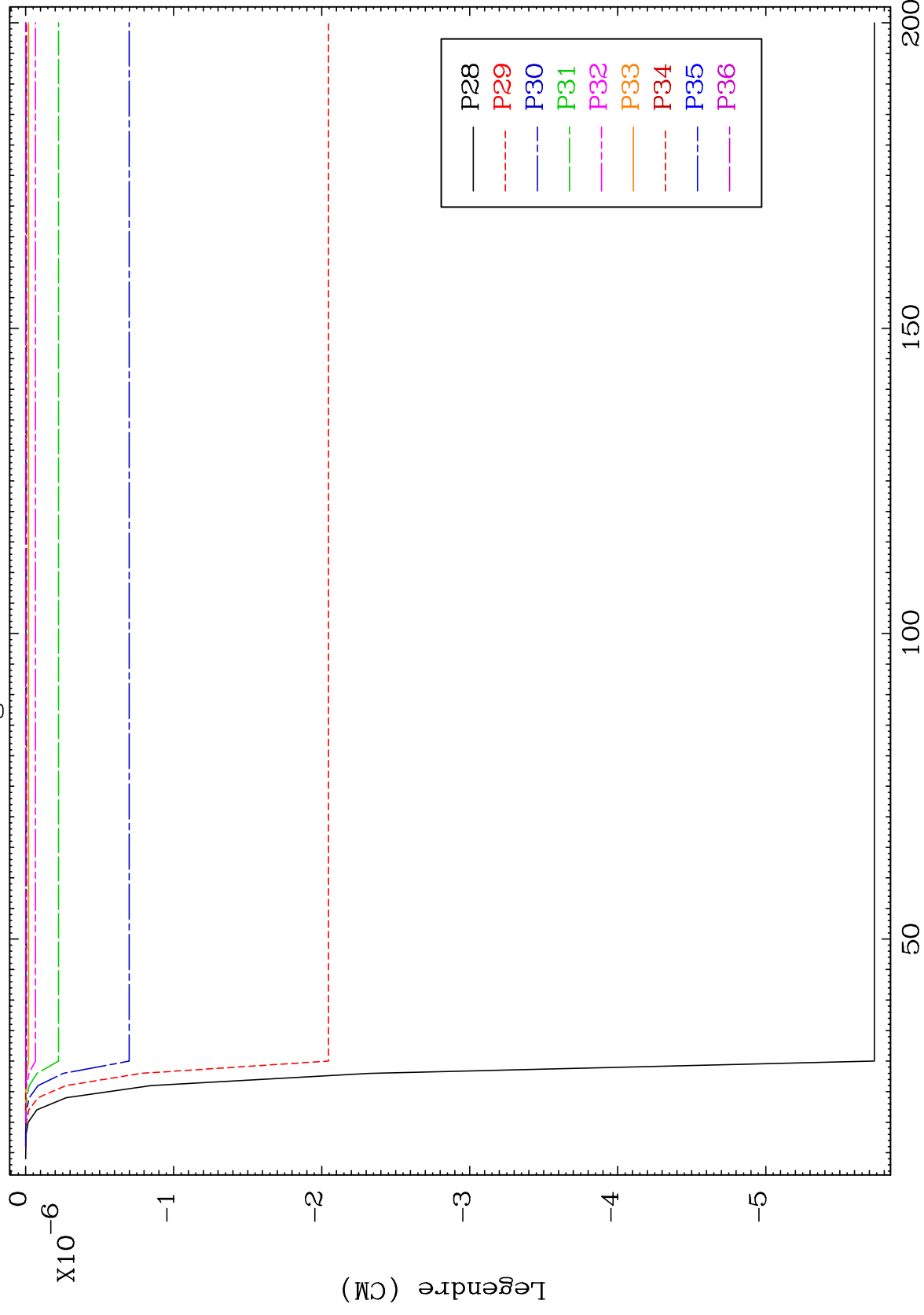
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



50

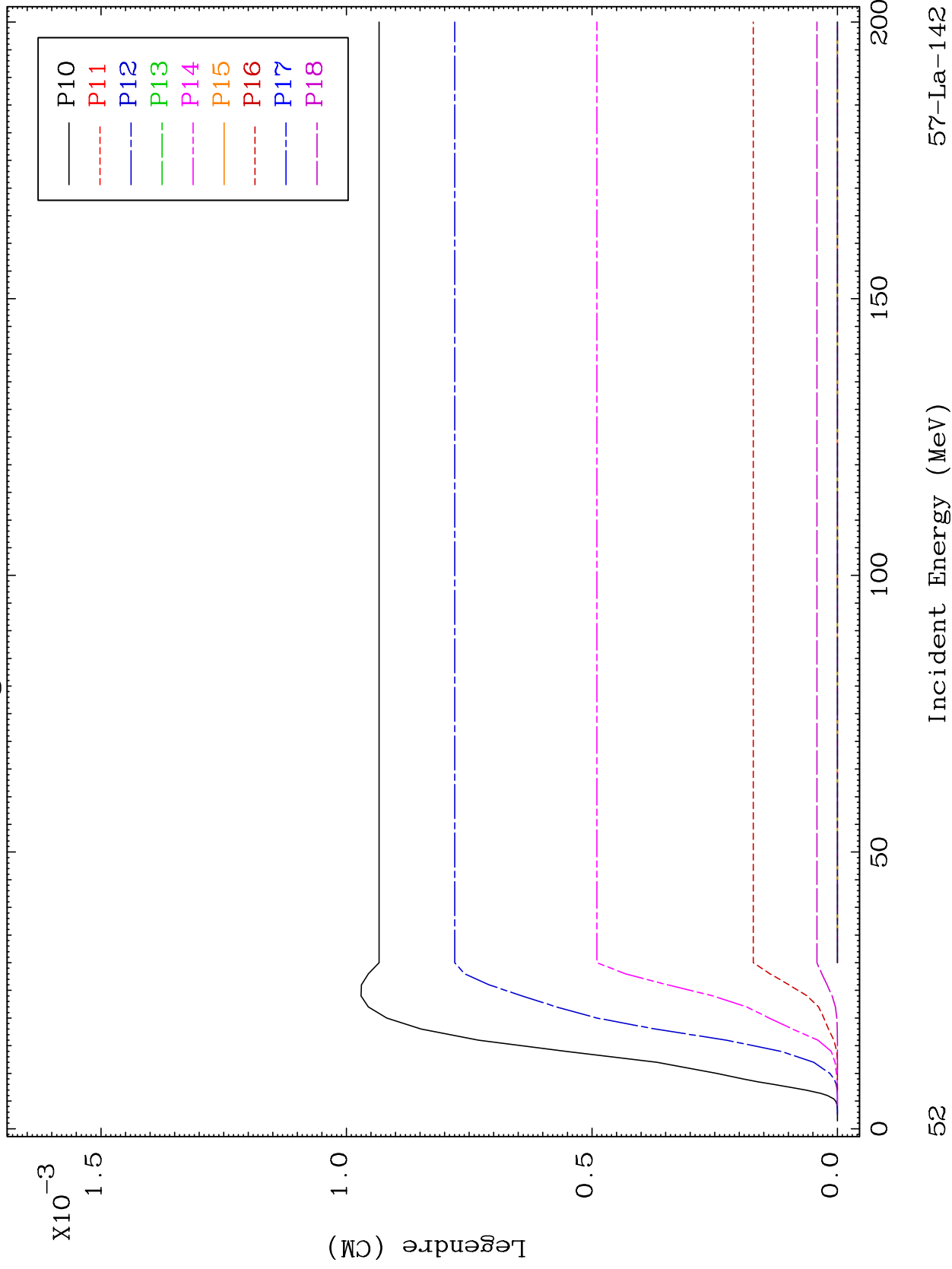
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



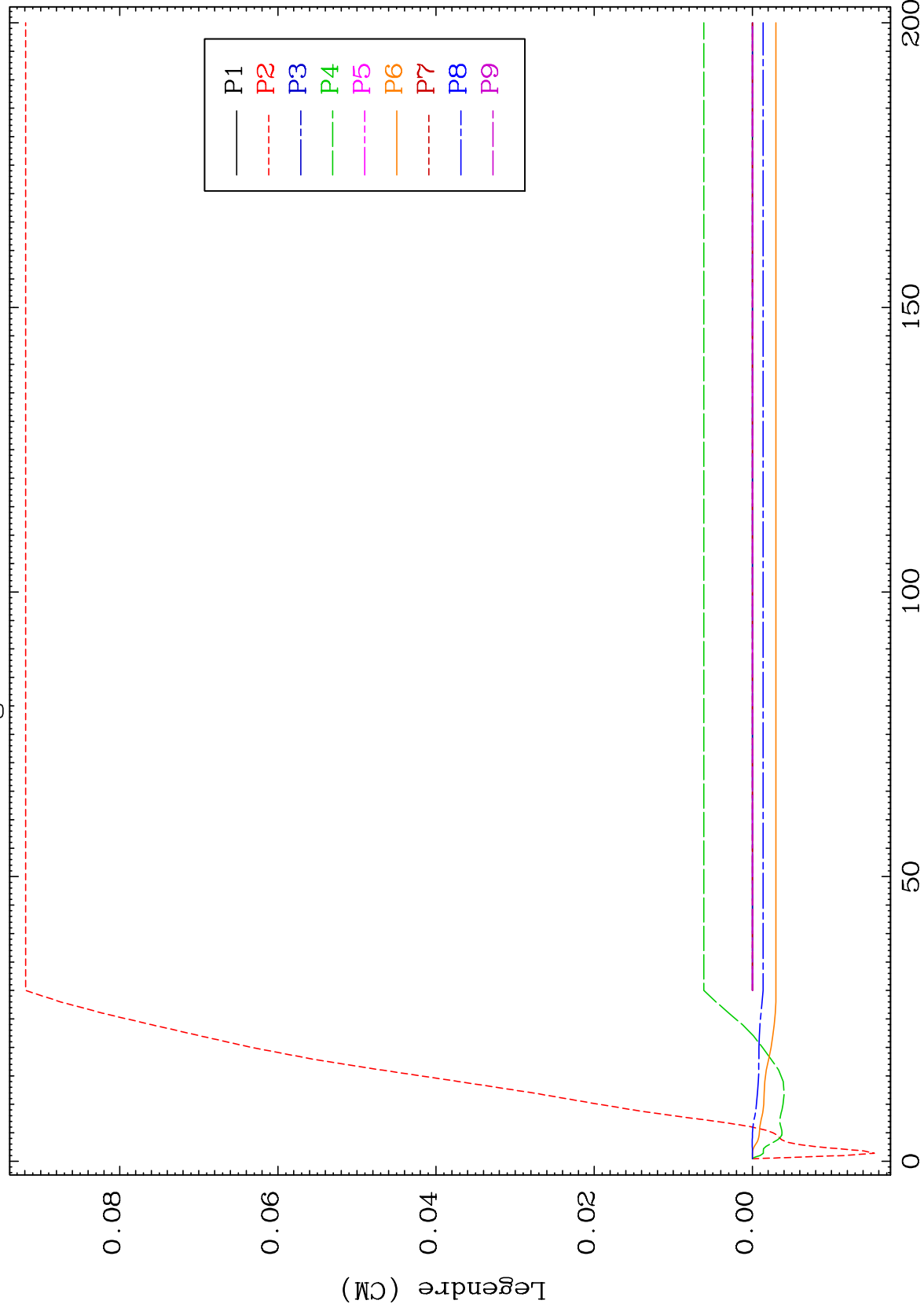
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57-La-142

MAT 5737

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

57-La-142



57-La-142

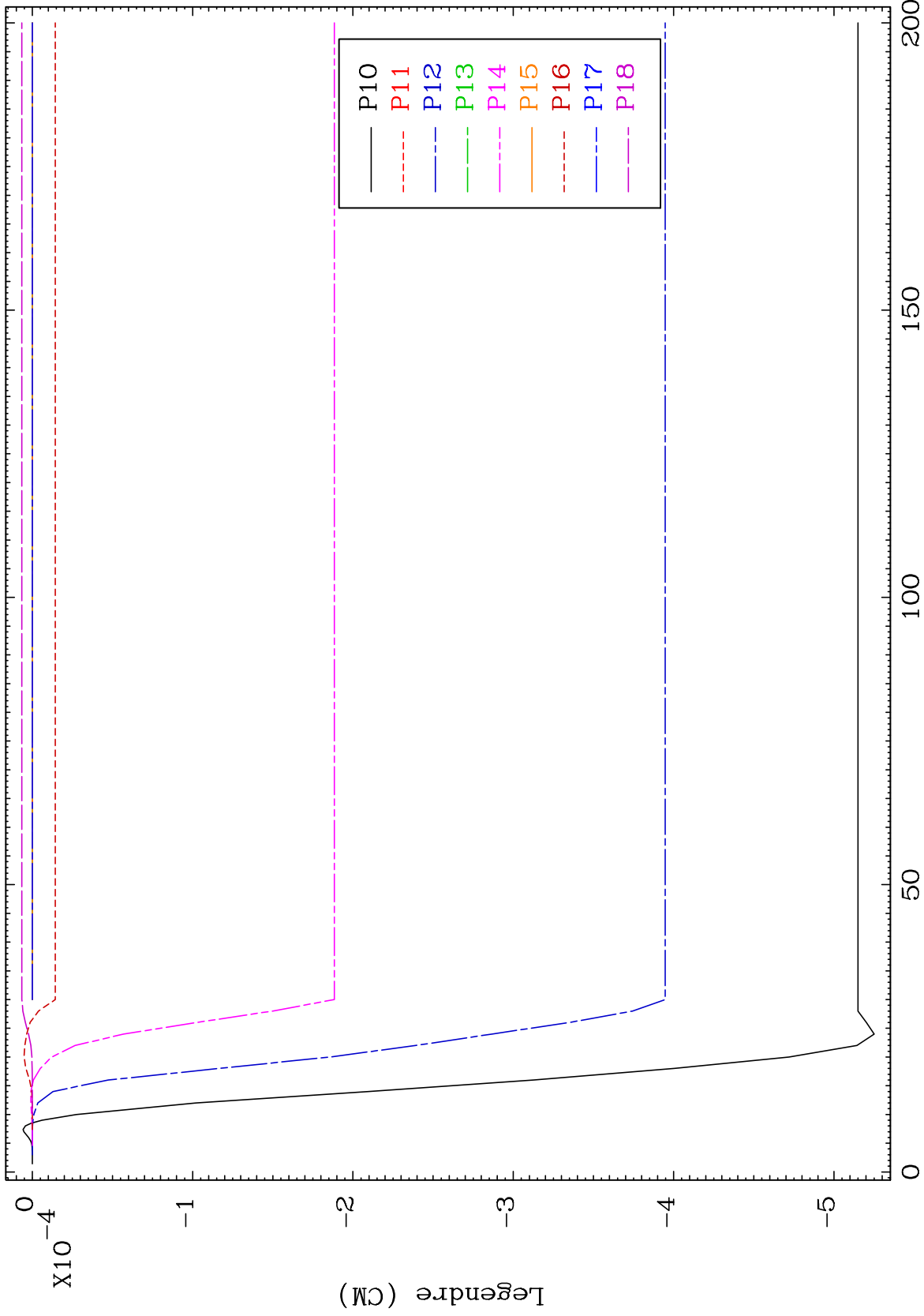
Incident Energy (MeV)

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MAT 5737

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

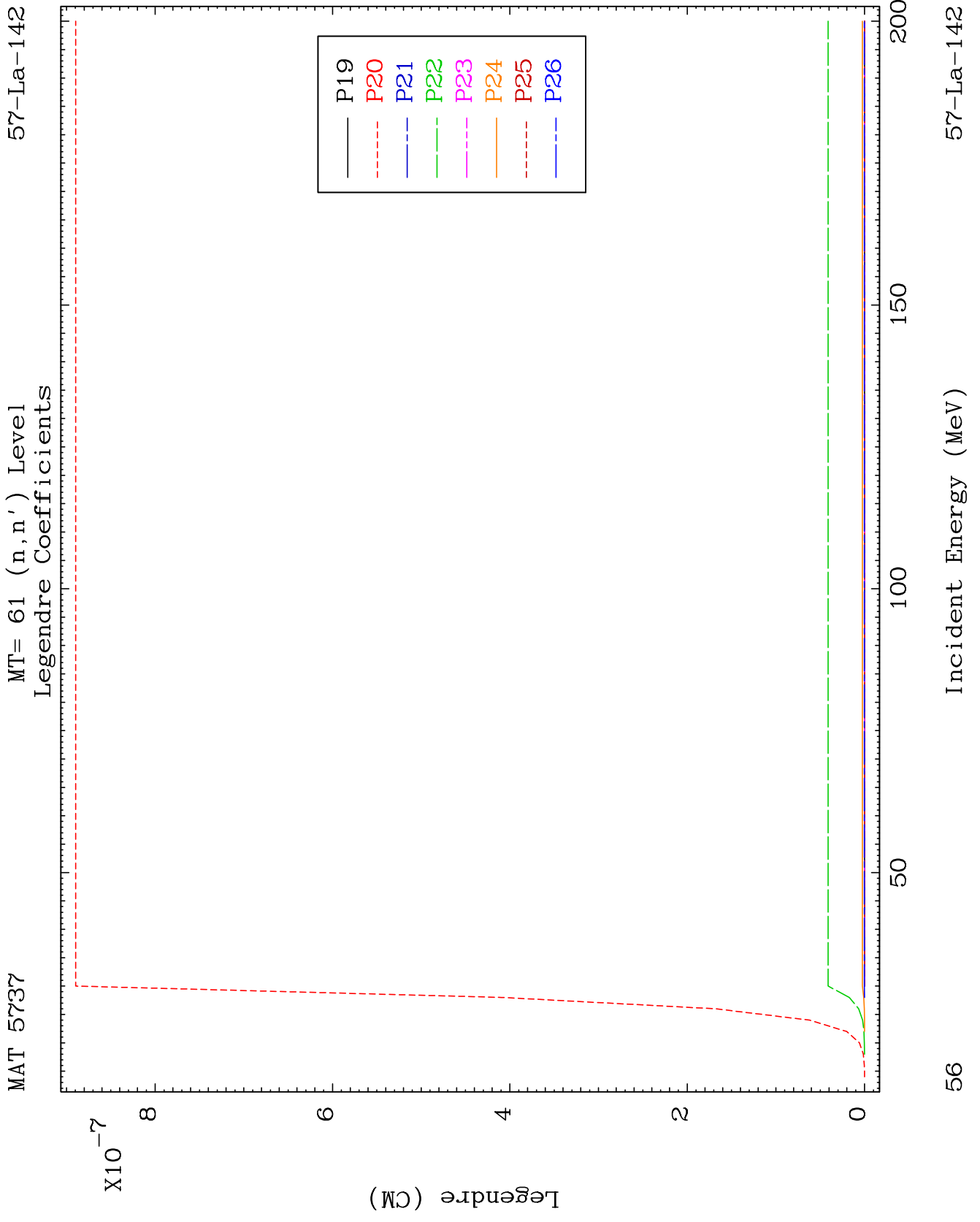
57-La-142



55

Incident Energy (MeV)

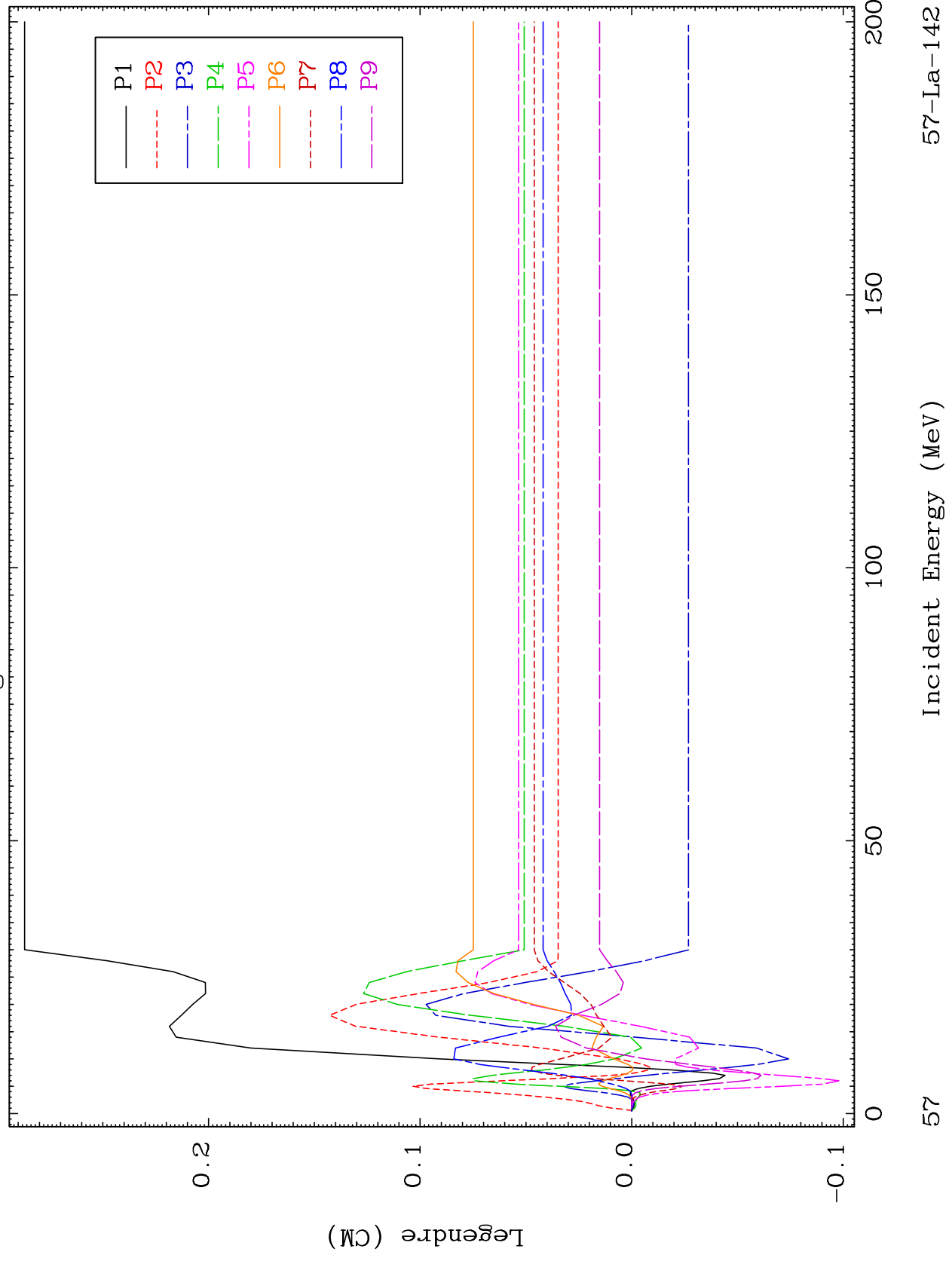
57-La-142



MAT 5737

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

57-La-142



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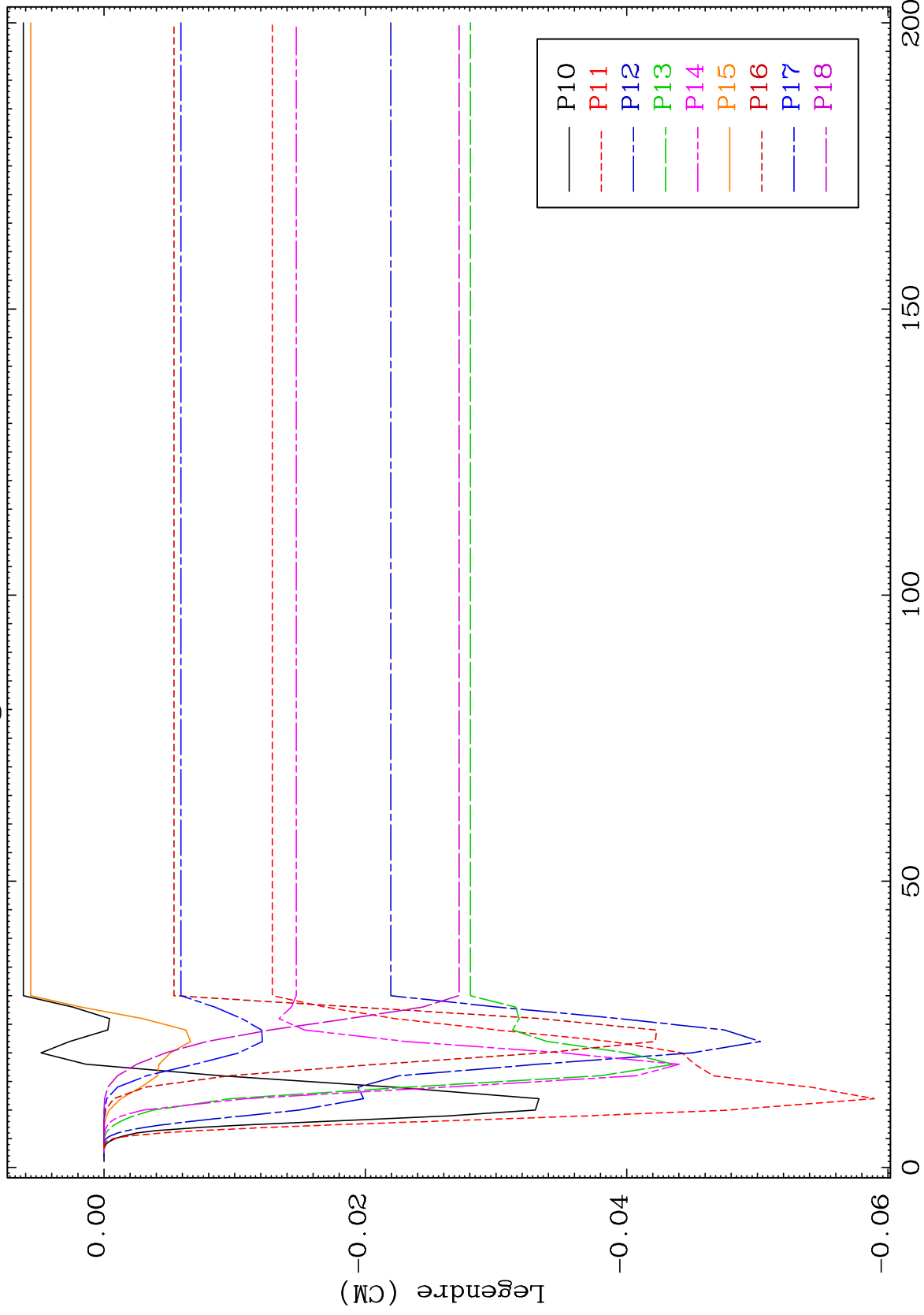
Incident Energy (MeV)

57-La-142

MAT 5737

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

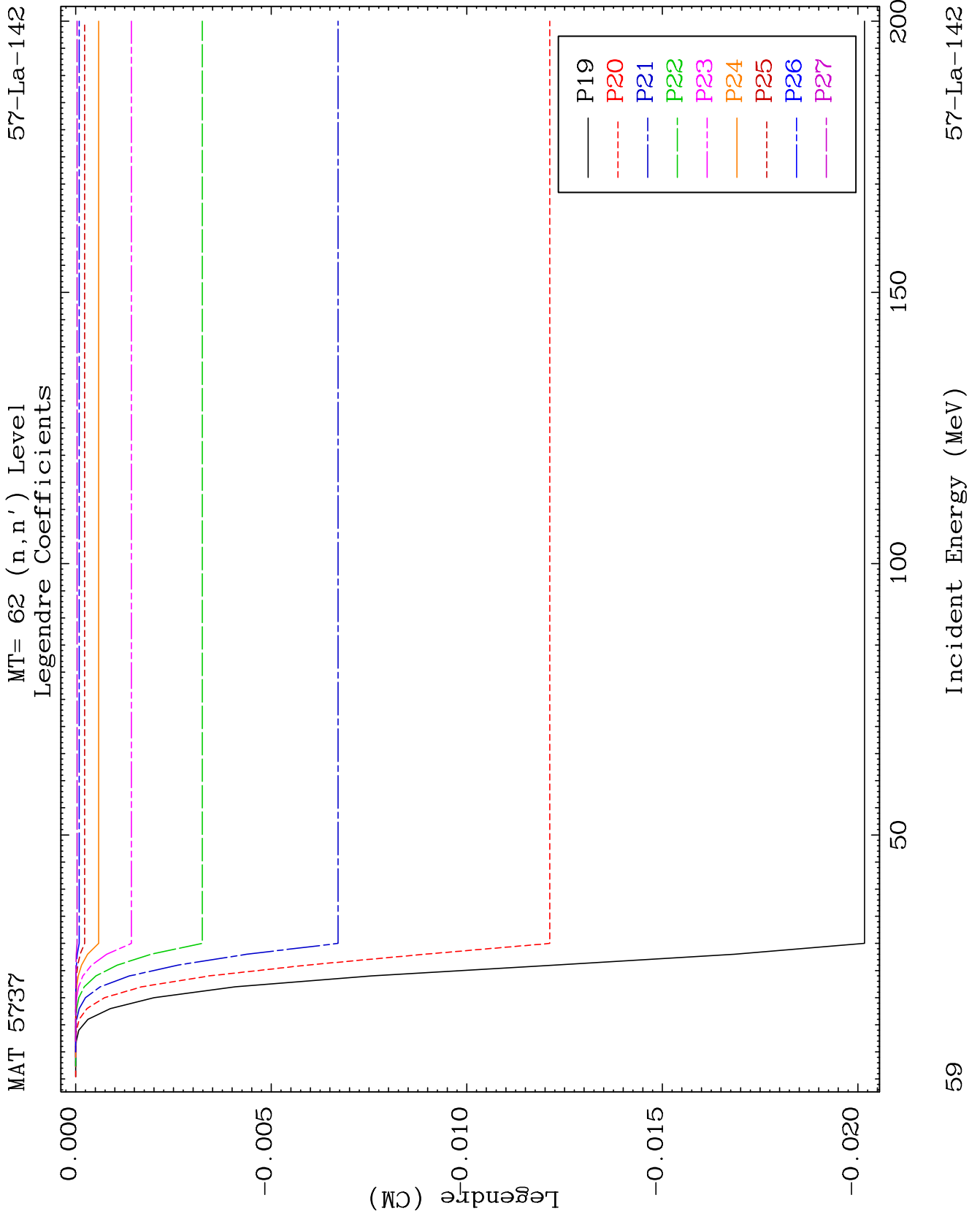
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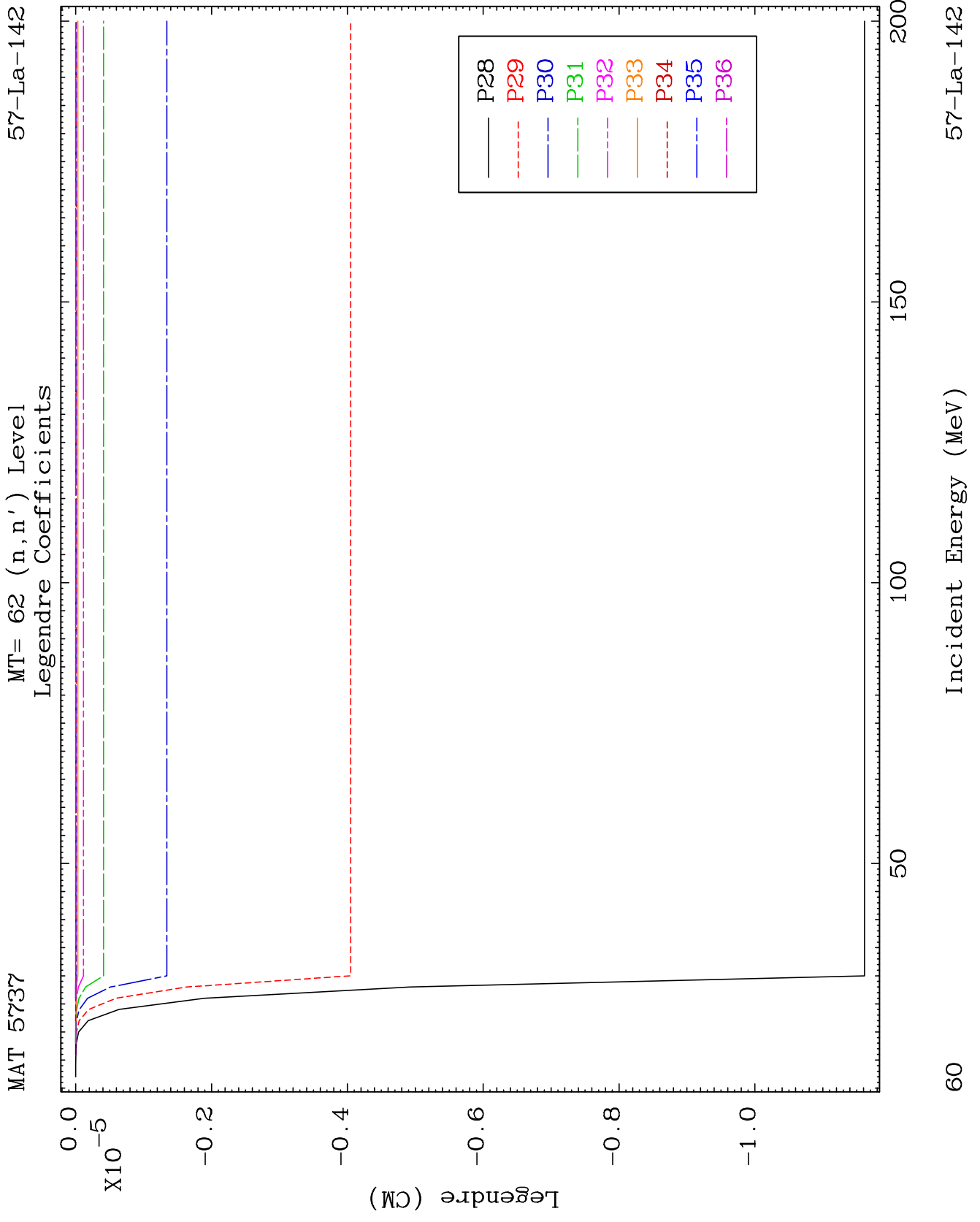


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Incident Energy (MeV)

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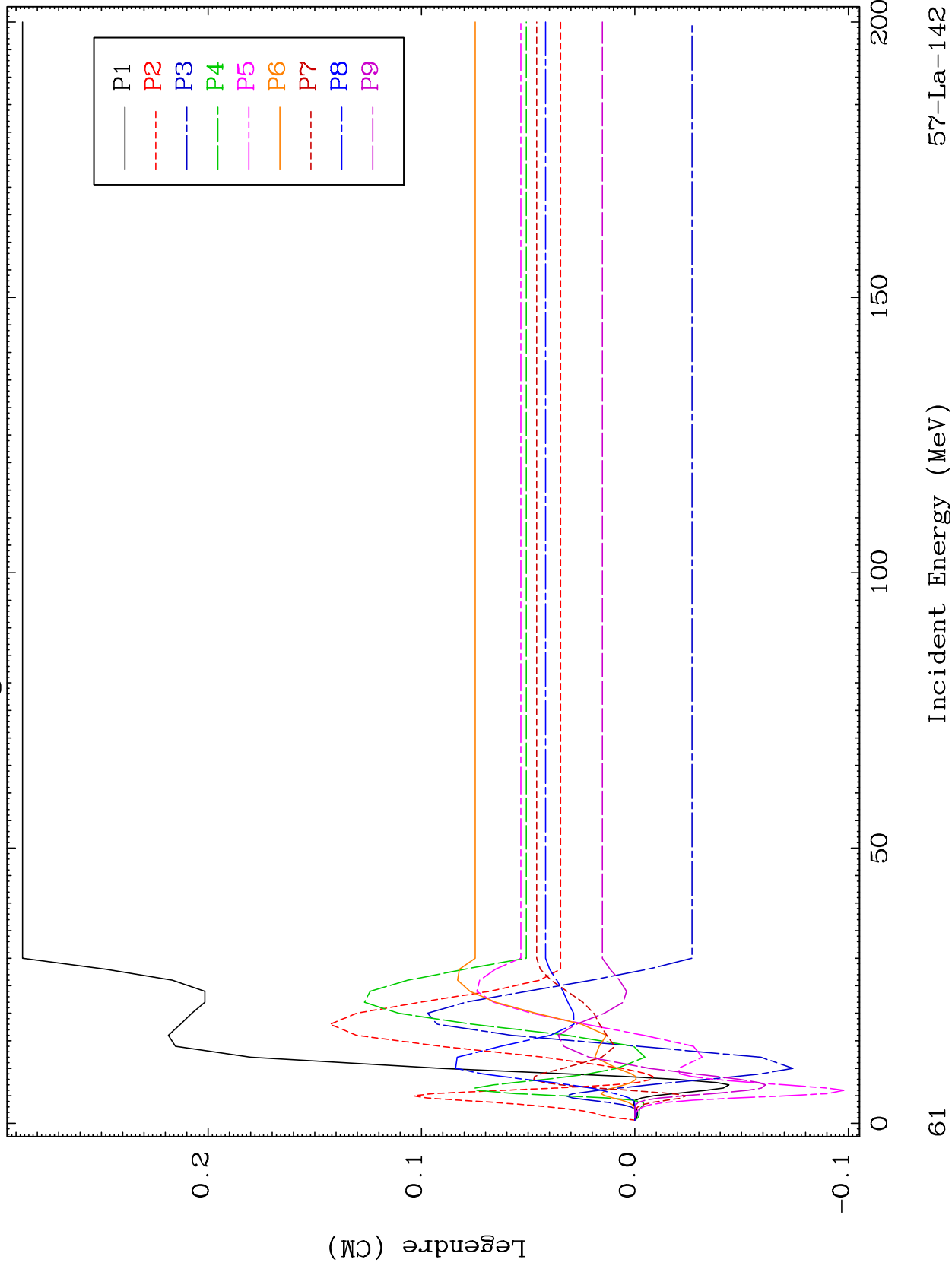




MAT 5737

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

57-La-142



57-La-142

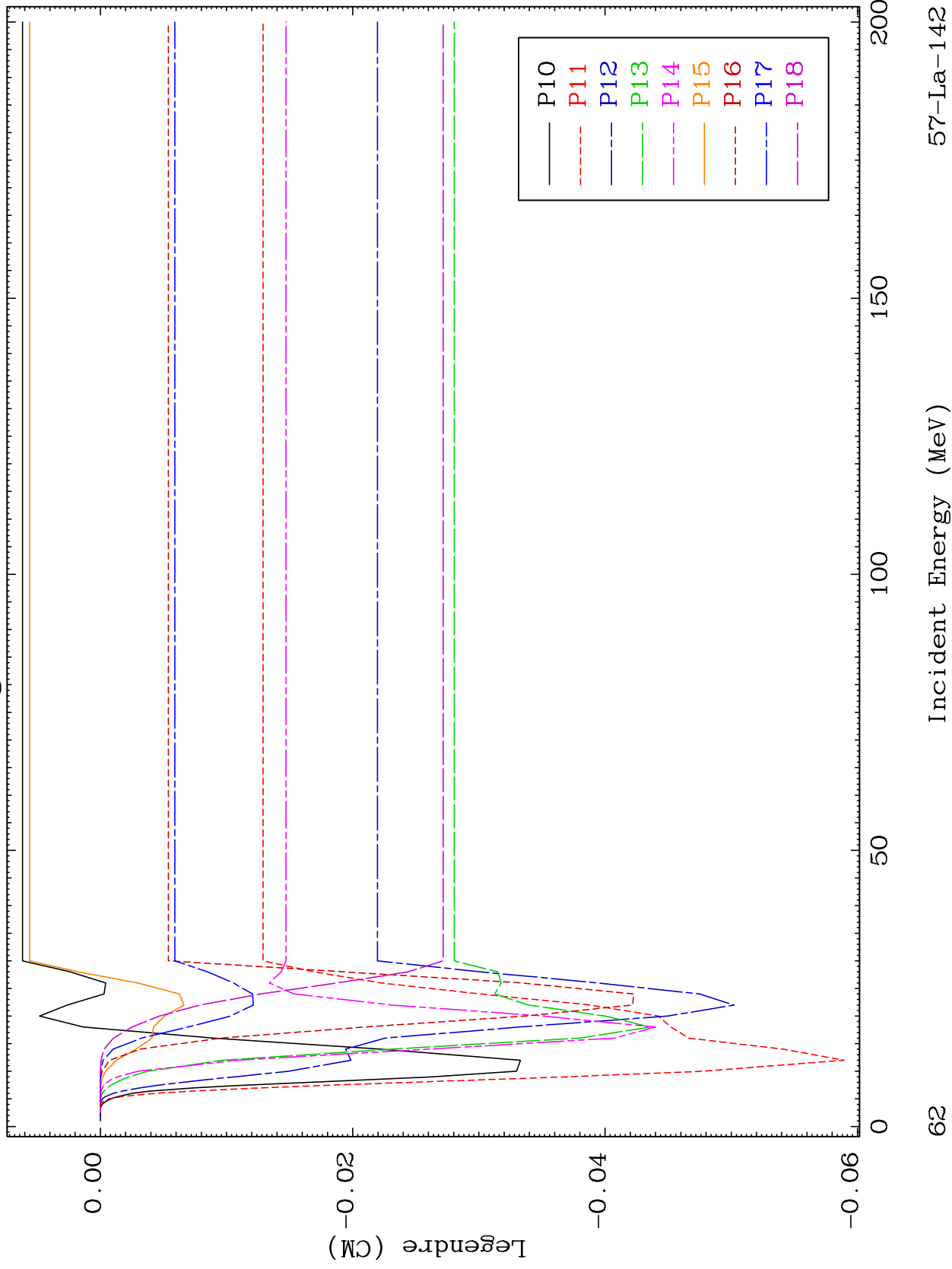
Incident Energy (MeV)

61

MAT 5737

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

57-La-142



62

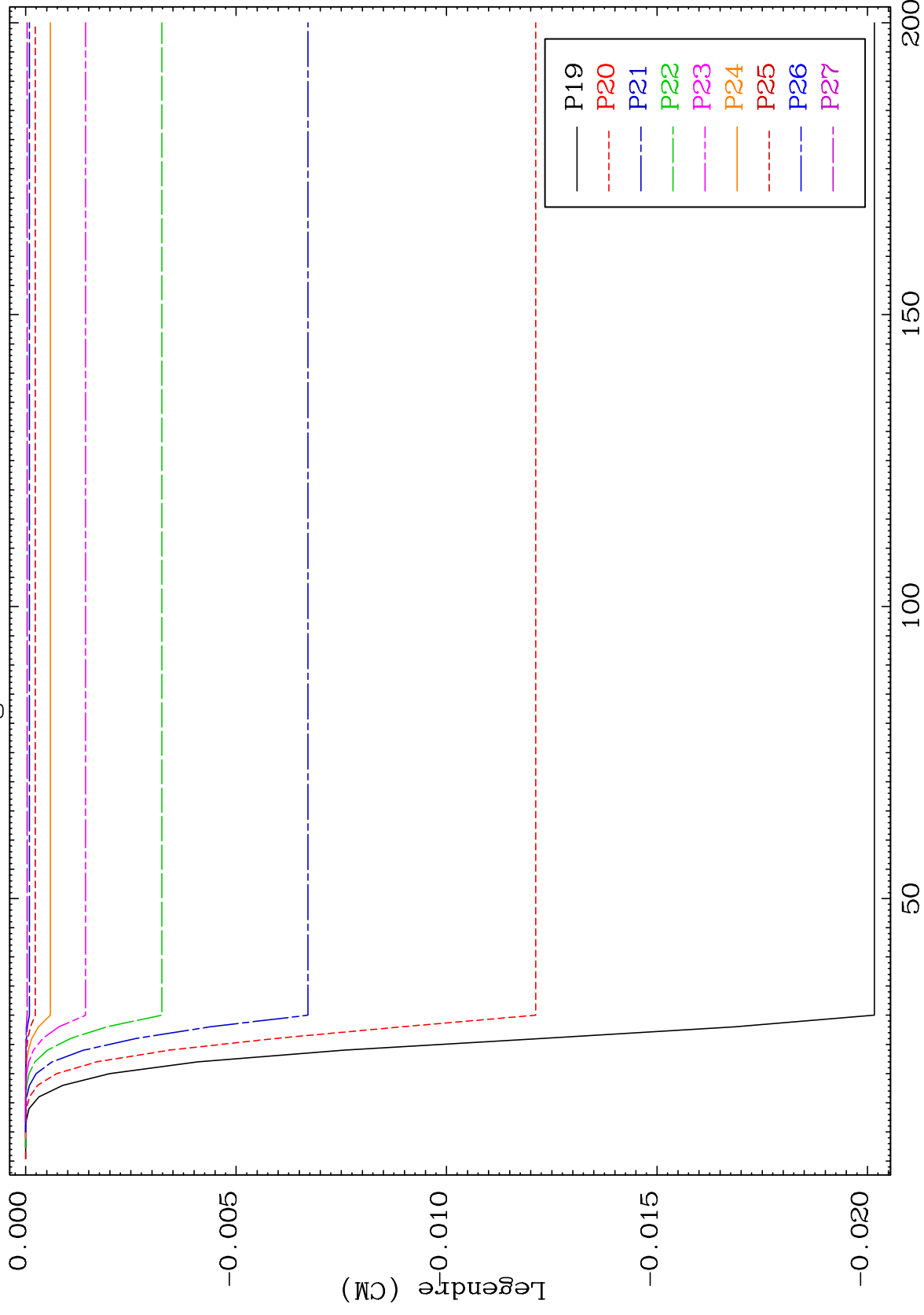
Incident Energy (MeV)

57-La-142

MAT 5737

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

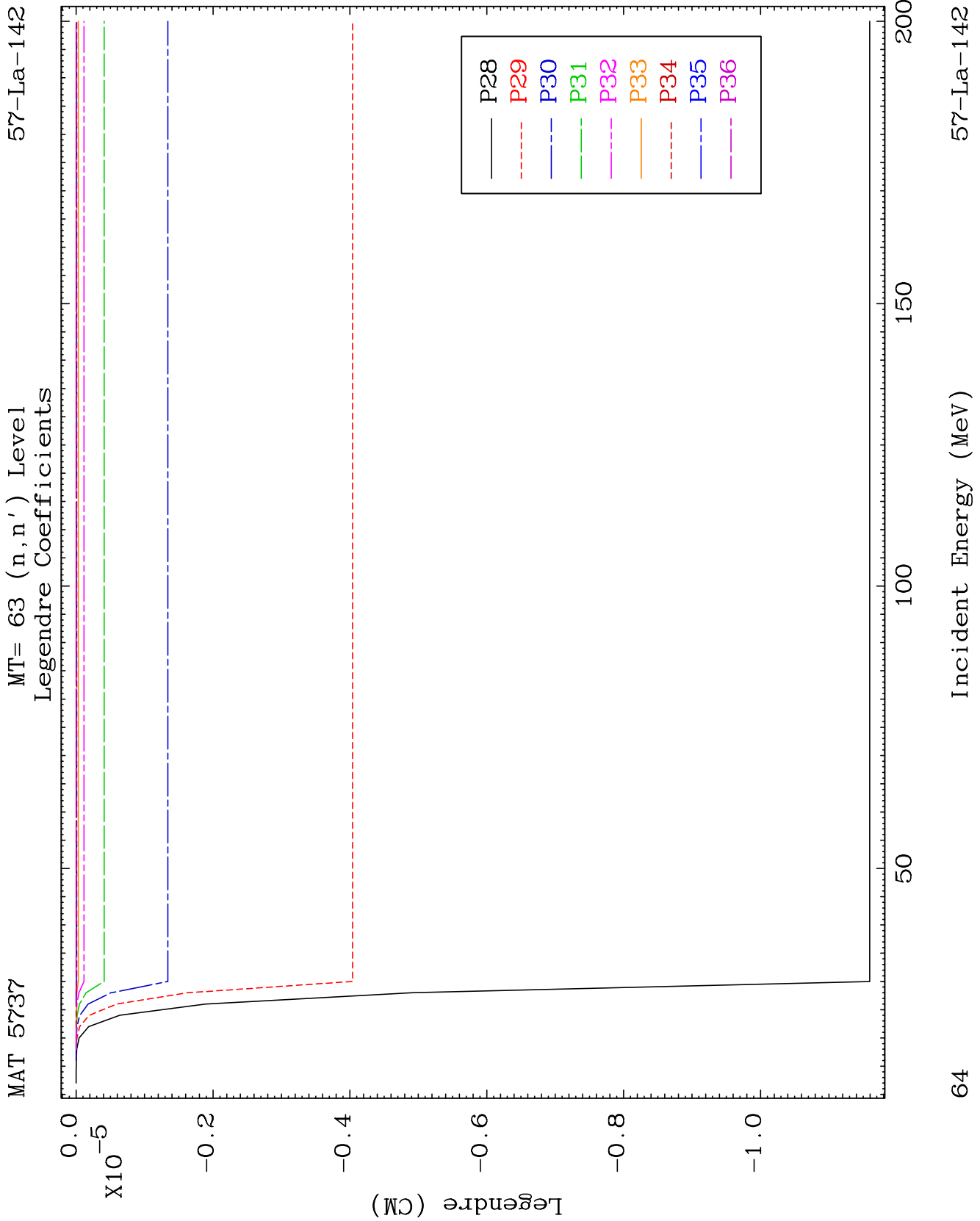
57-La-142



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Incident Energy (MeV)

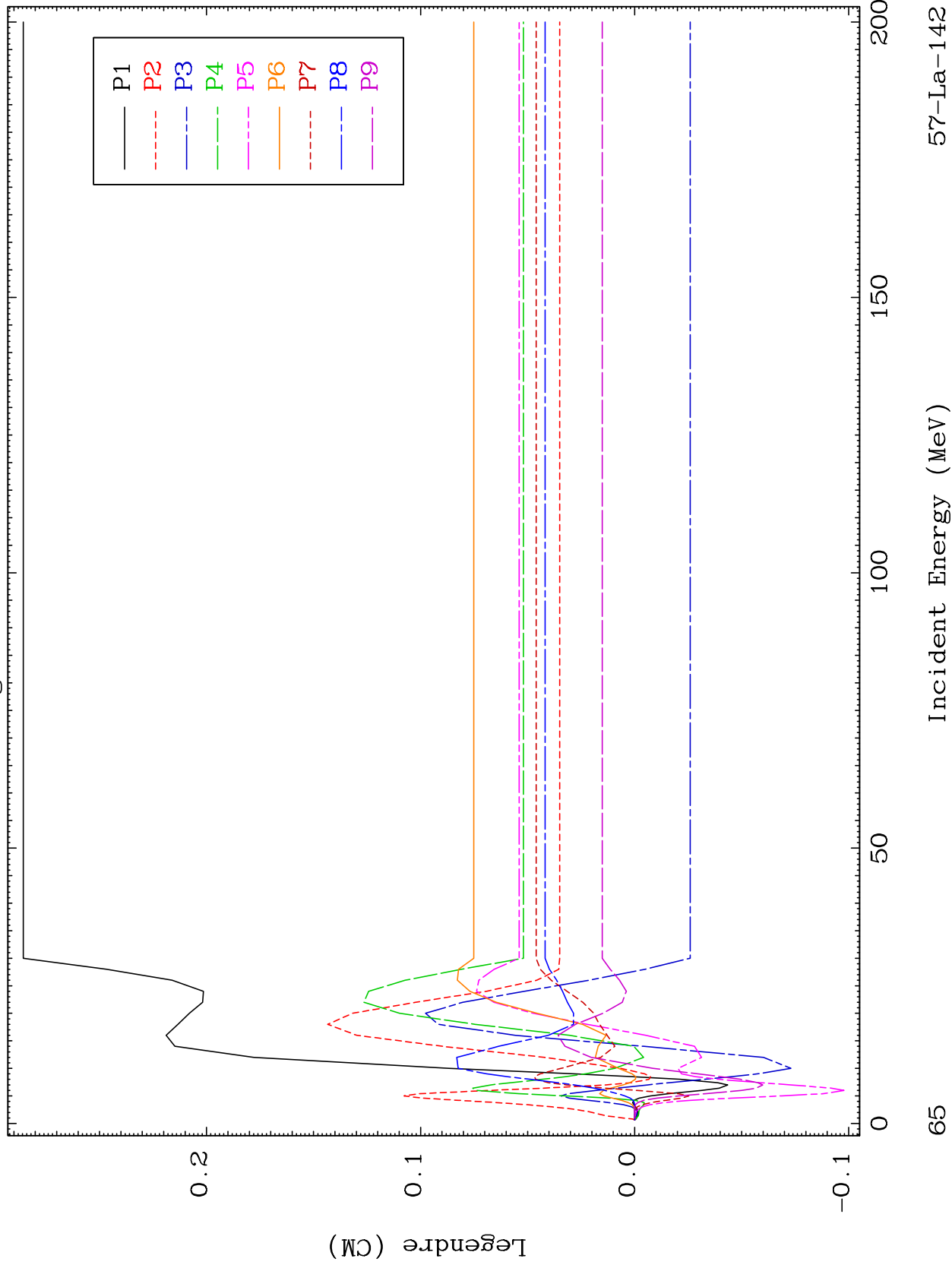
57-La-142



MAT 5737

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

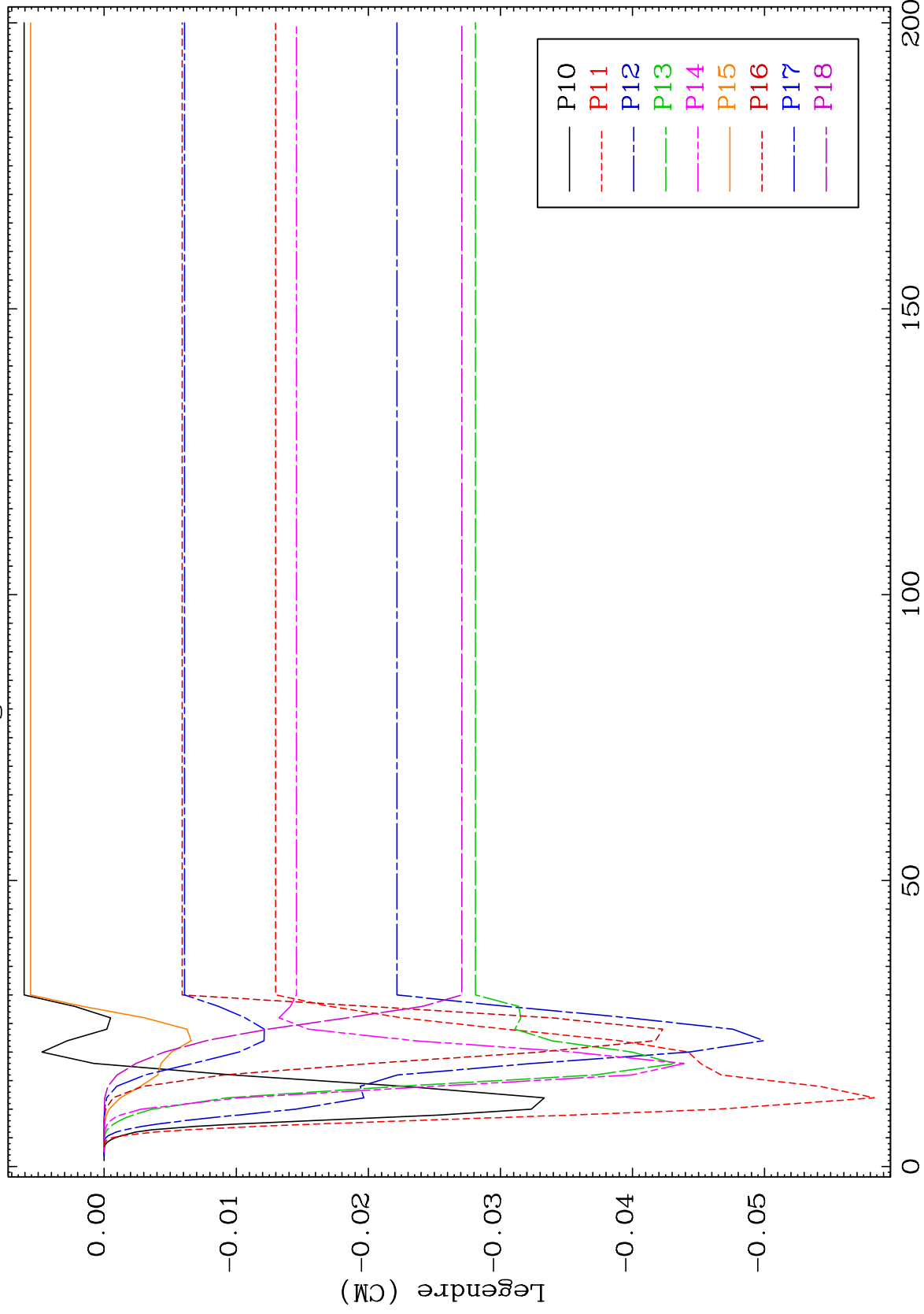
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MAT 5737

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

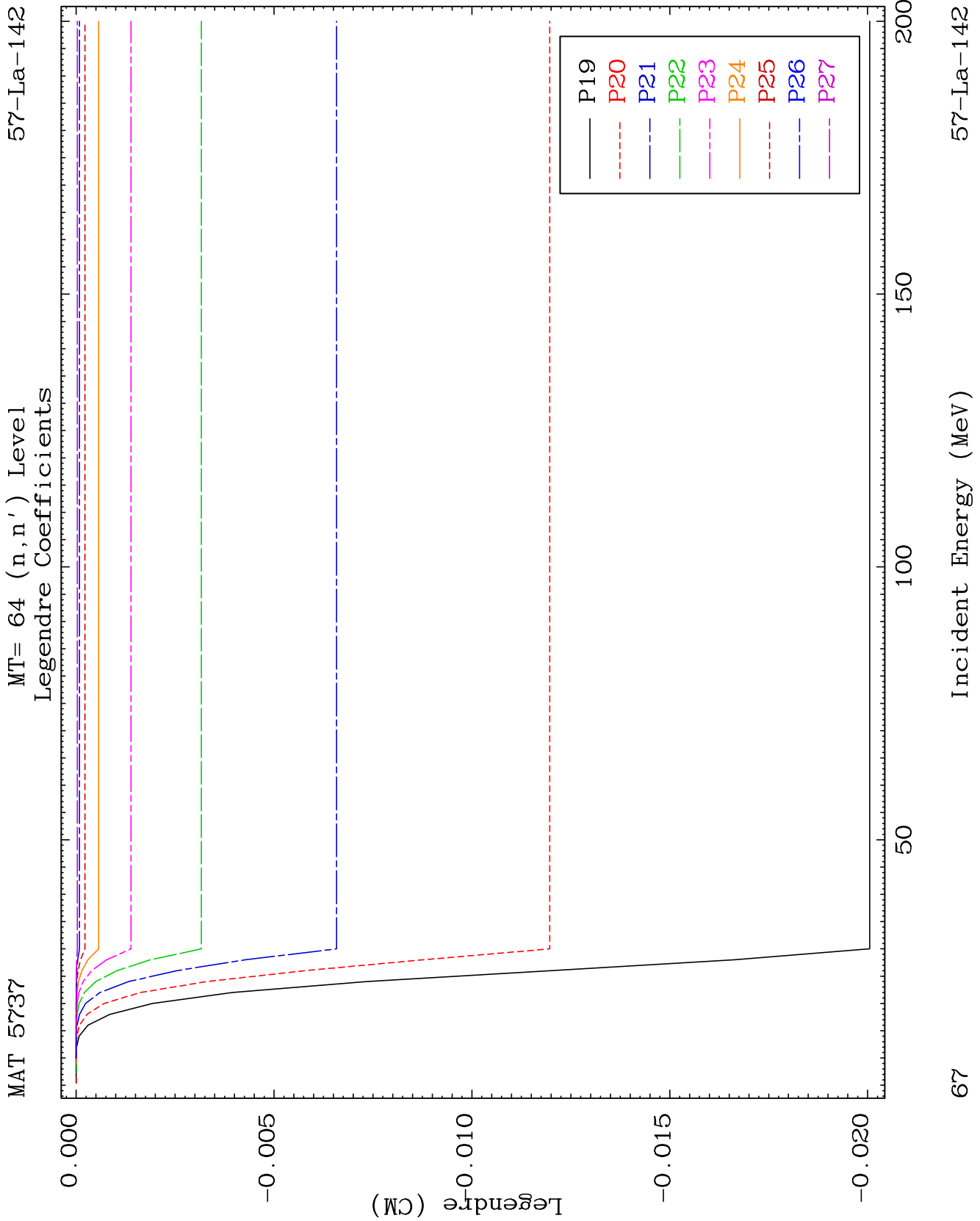
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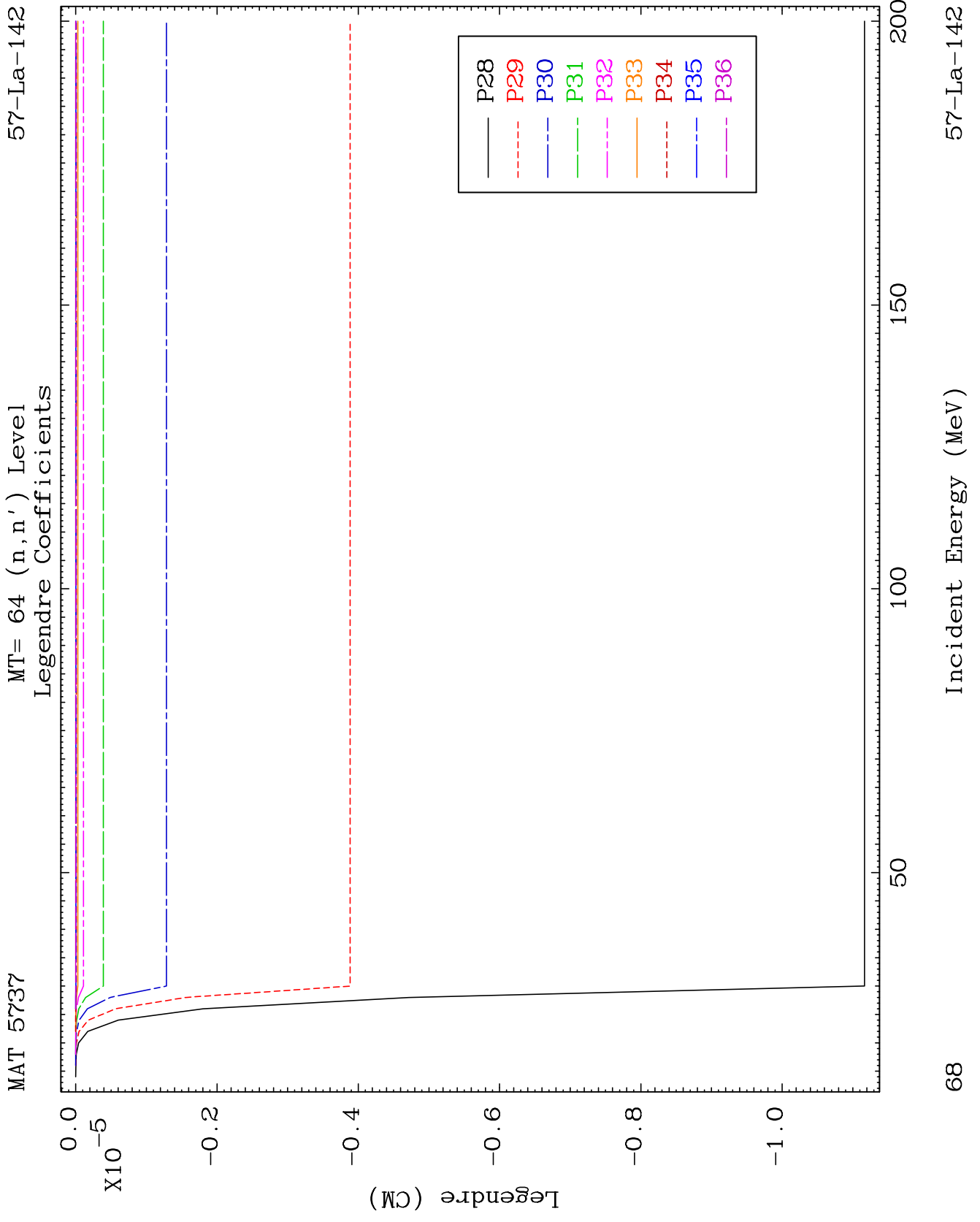


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Incident Energy (MeV)

57-La-142

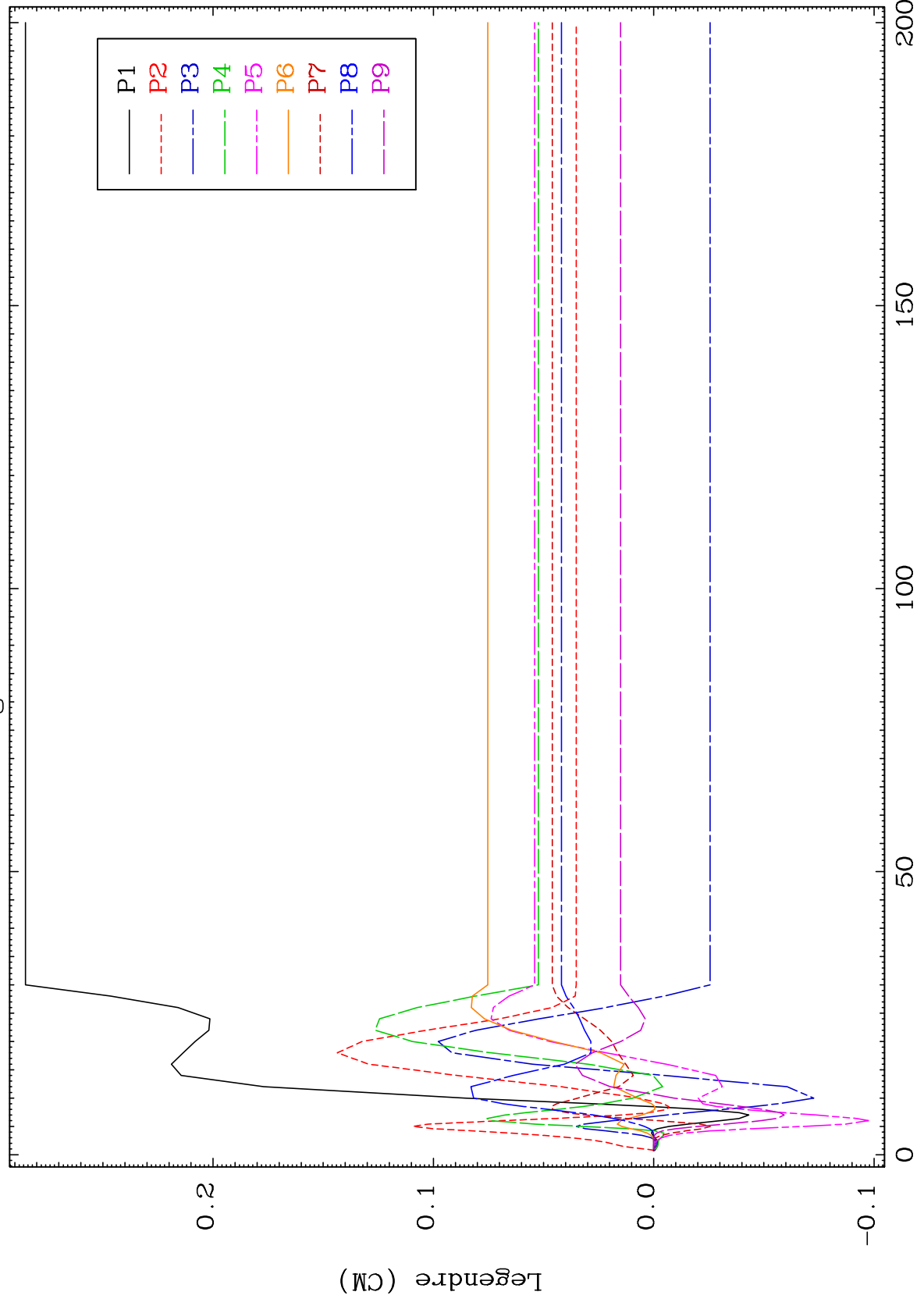




MAT 5737

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

57-La-142



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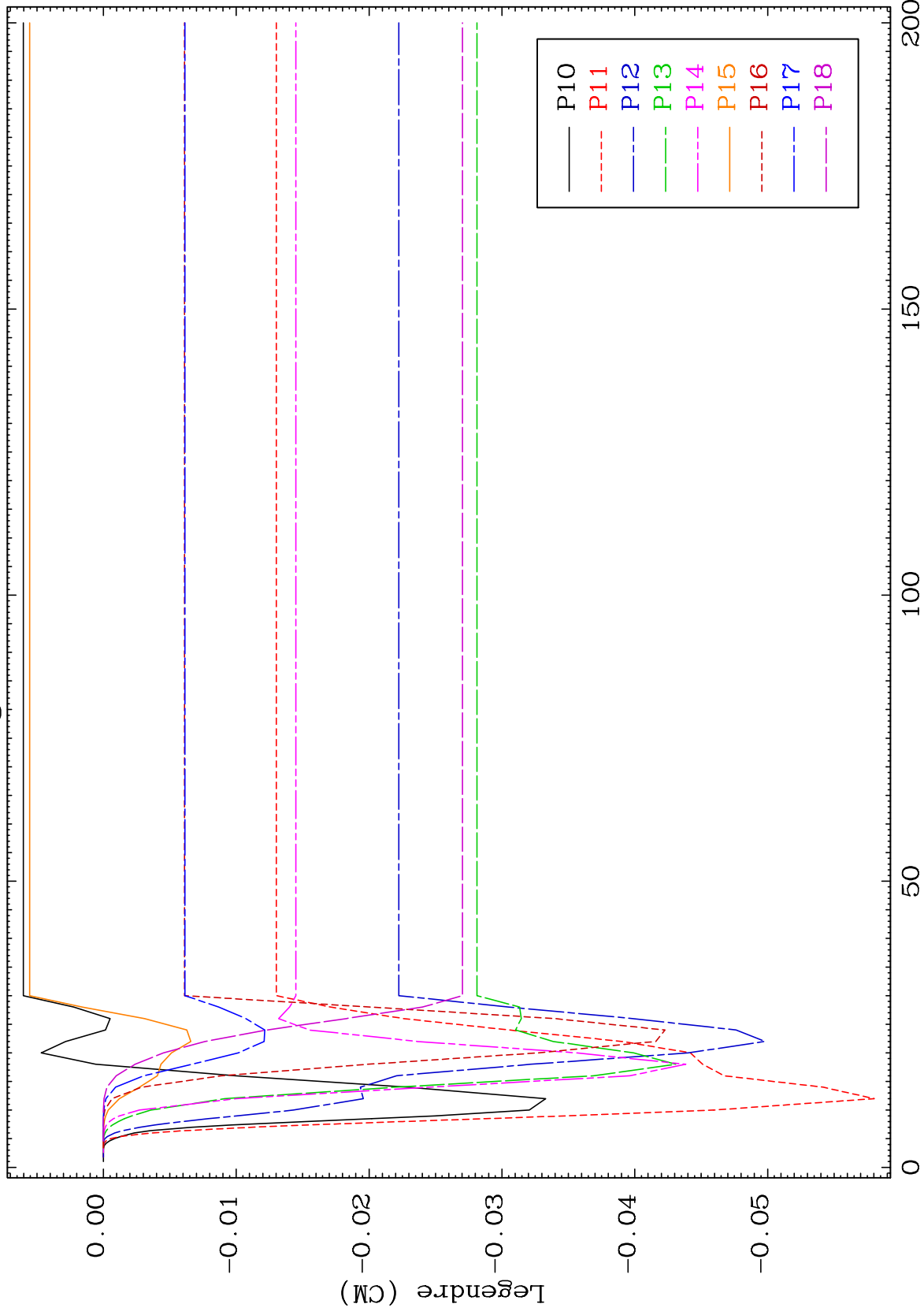
Incident Energy (MeV)

57-La-142

MAT 5737

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

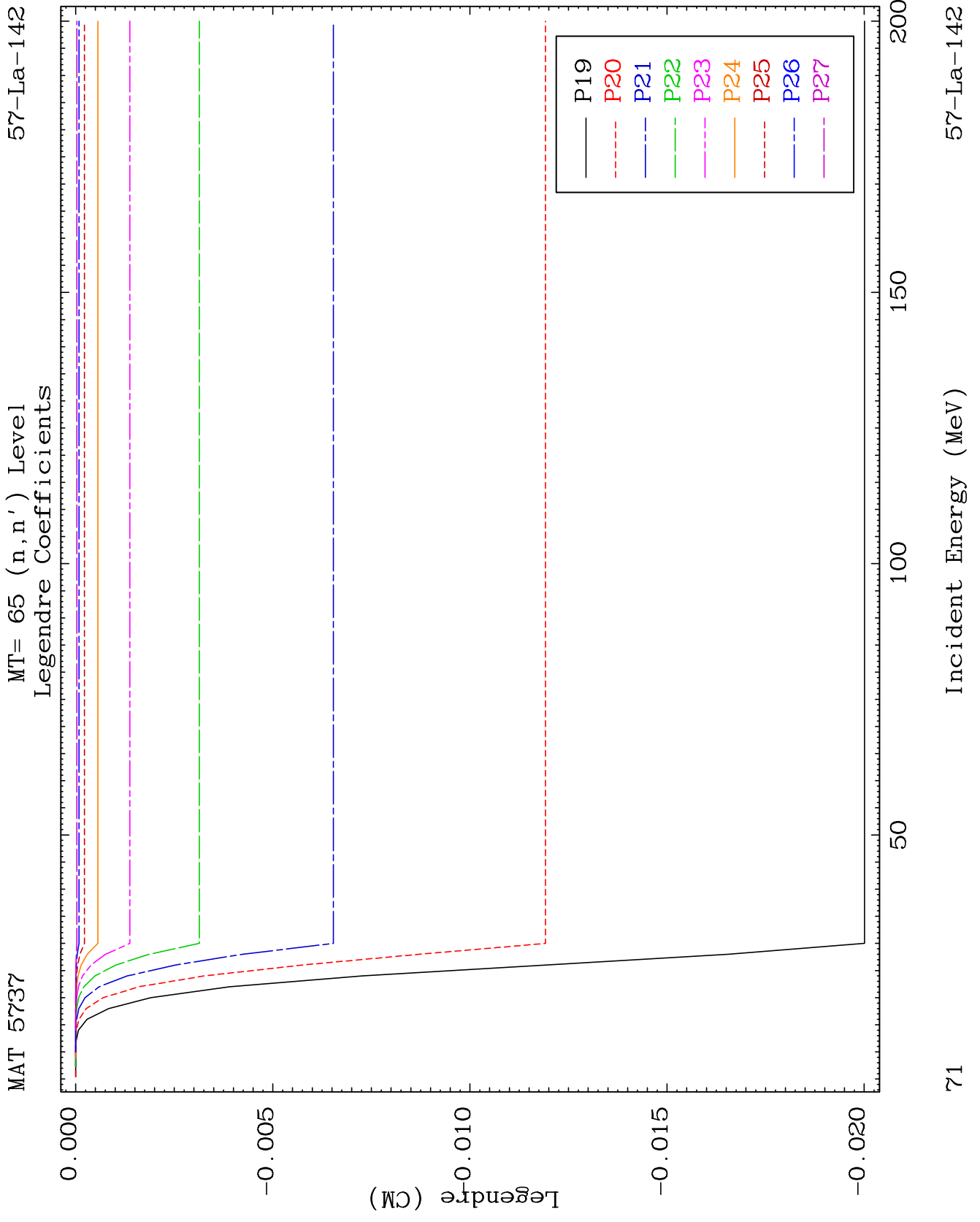
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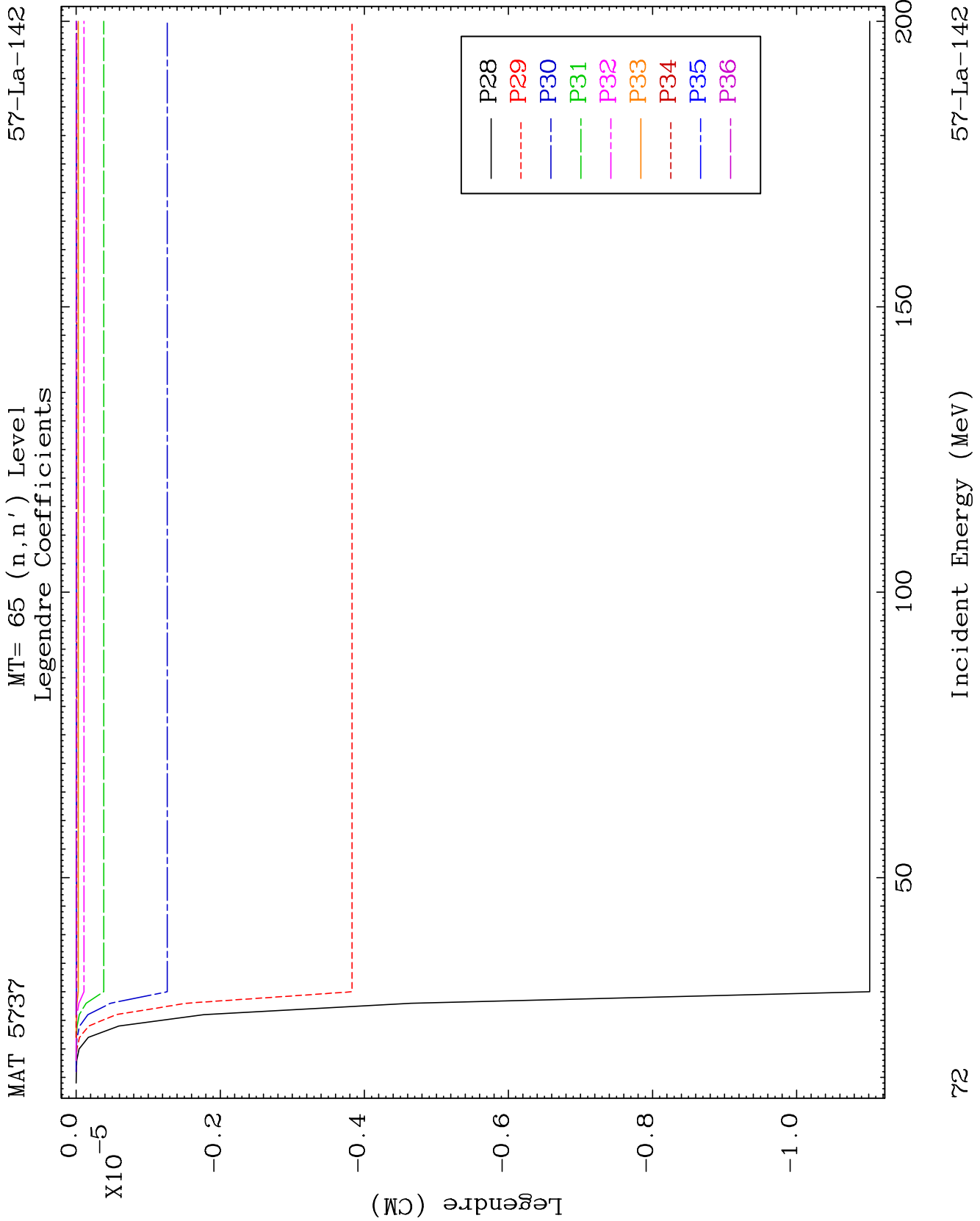


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Incident Energy (MeV)

57-La-142



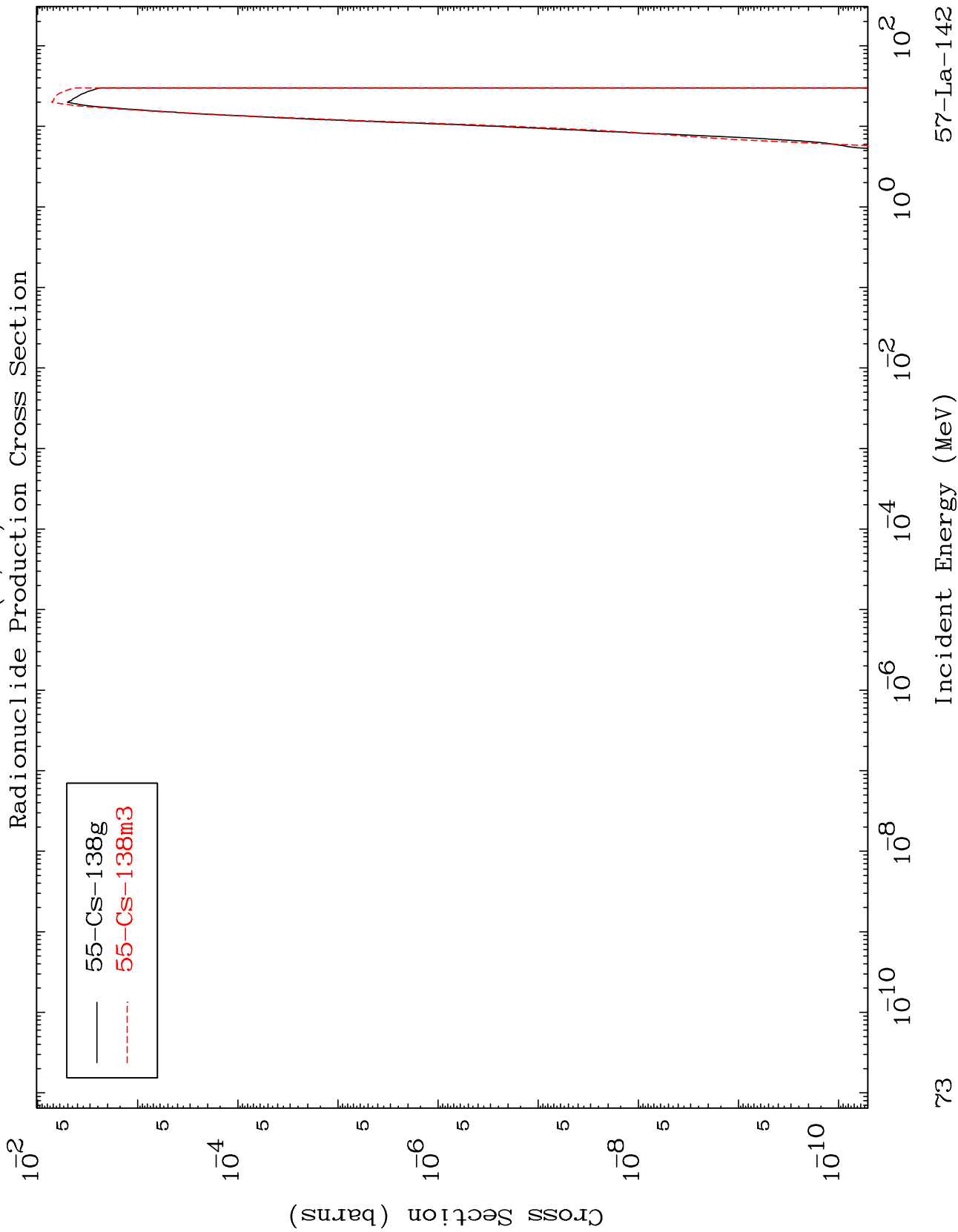


MAT 5737

$(n, n') \alpha$

57-La-142

Radionuclide Production Cross Section



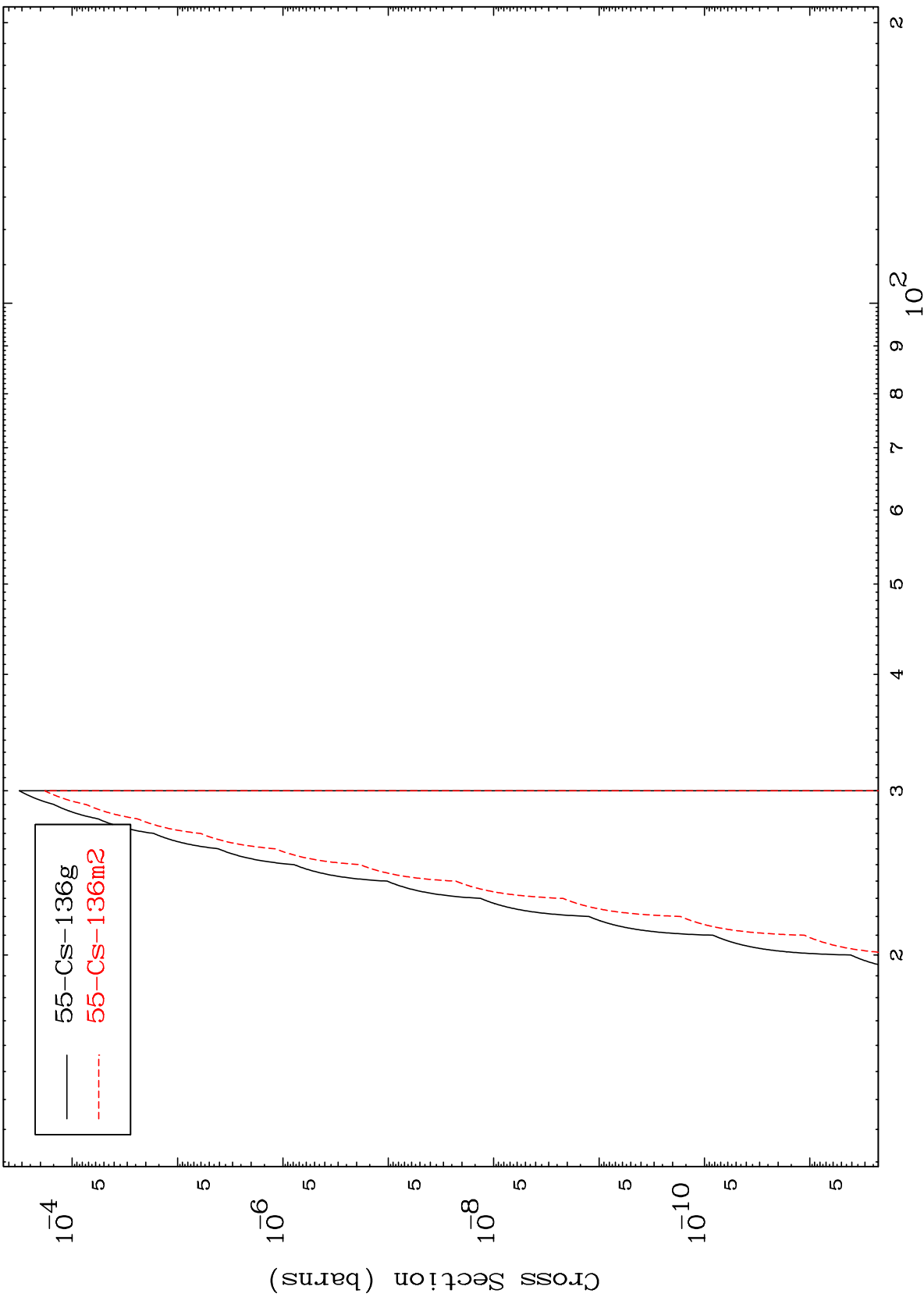
73

MAT 5737

(n,3n) α

57-La-142

Radionuclide Production Cross Section



74

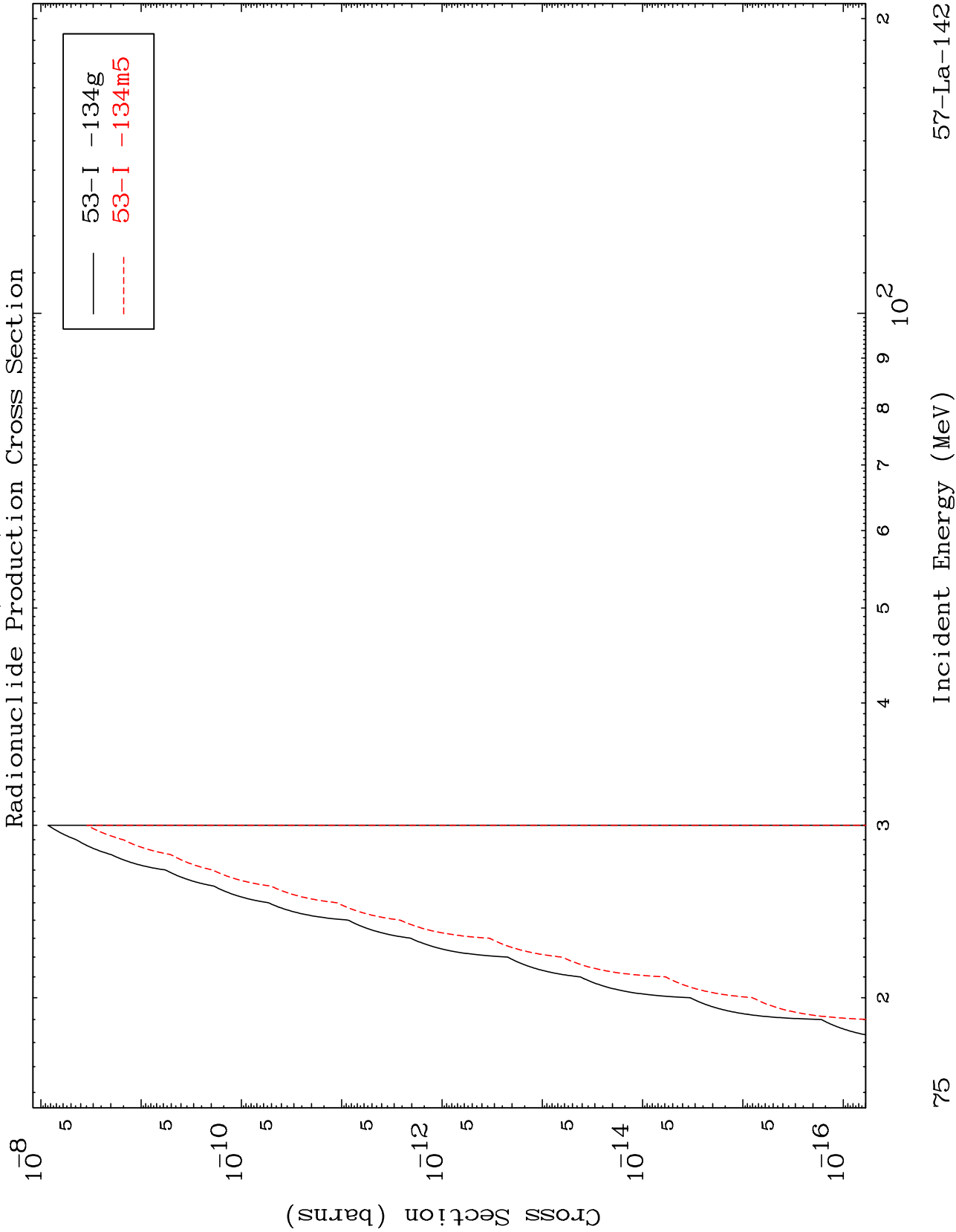
Incident Energy (MeV)

57-La-142

MAT 5737

(n,n') 2α

57-La-142



75

Incident Energy (MeV)

57-La-142