

Program EVALPLOT  
(Version 2017-1)

by

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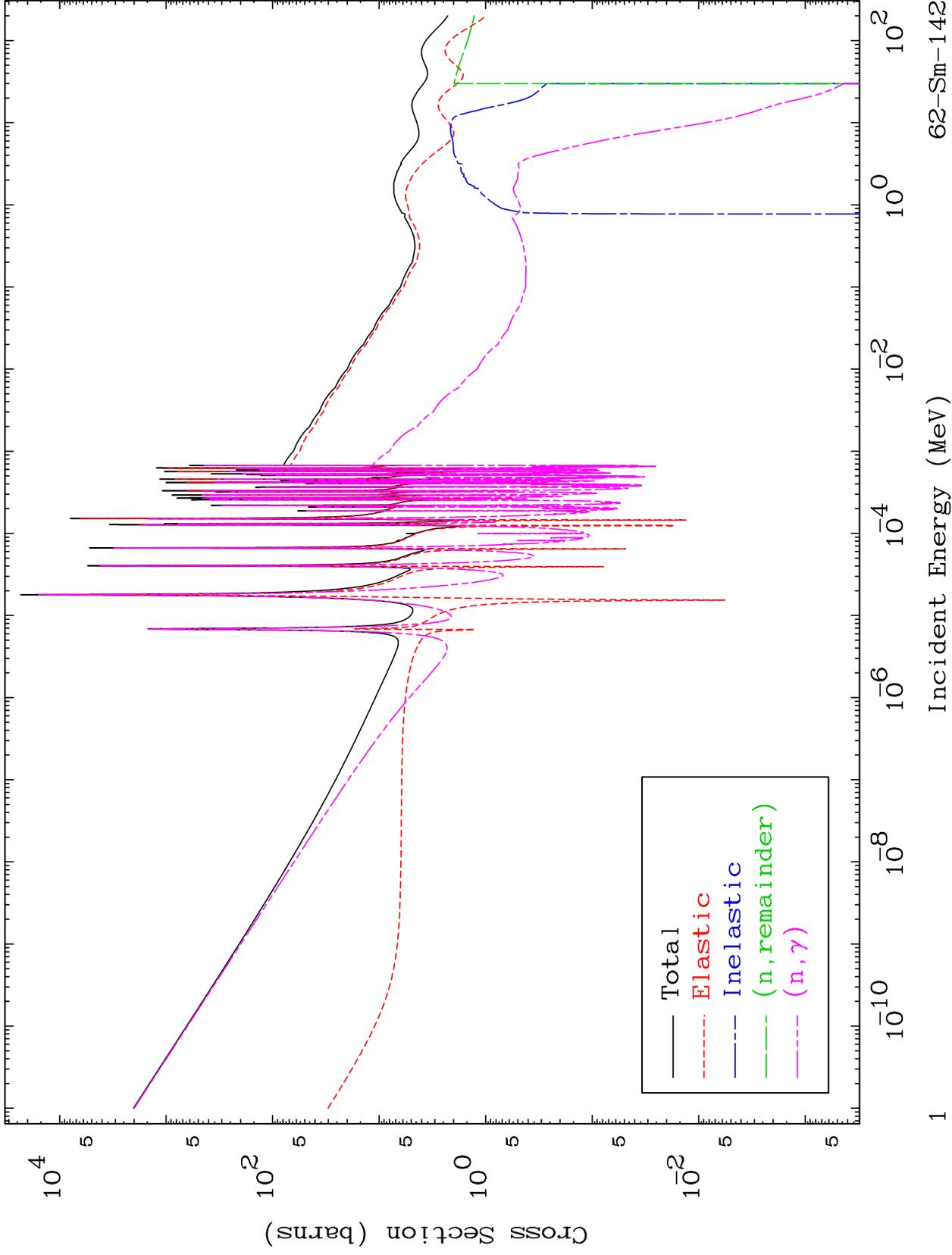
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Press Mouse Button to Start

MAT 6219

Major  
293 Kelvin Cross Sections

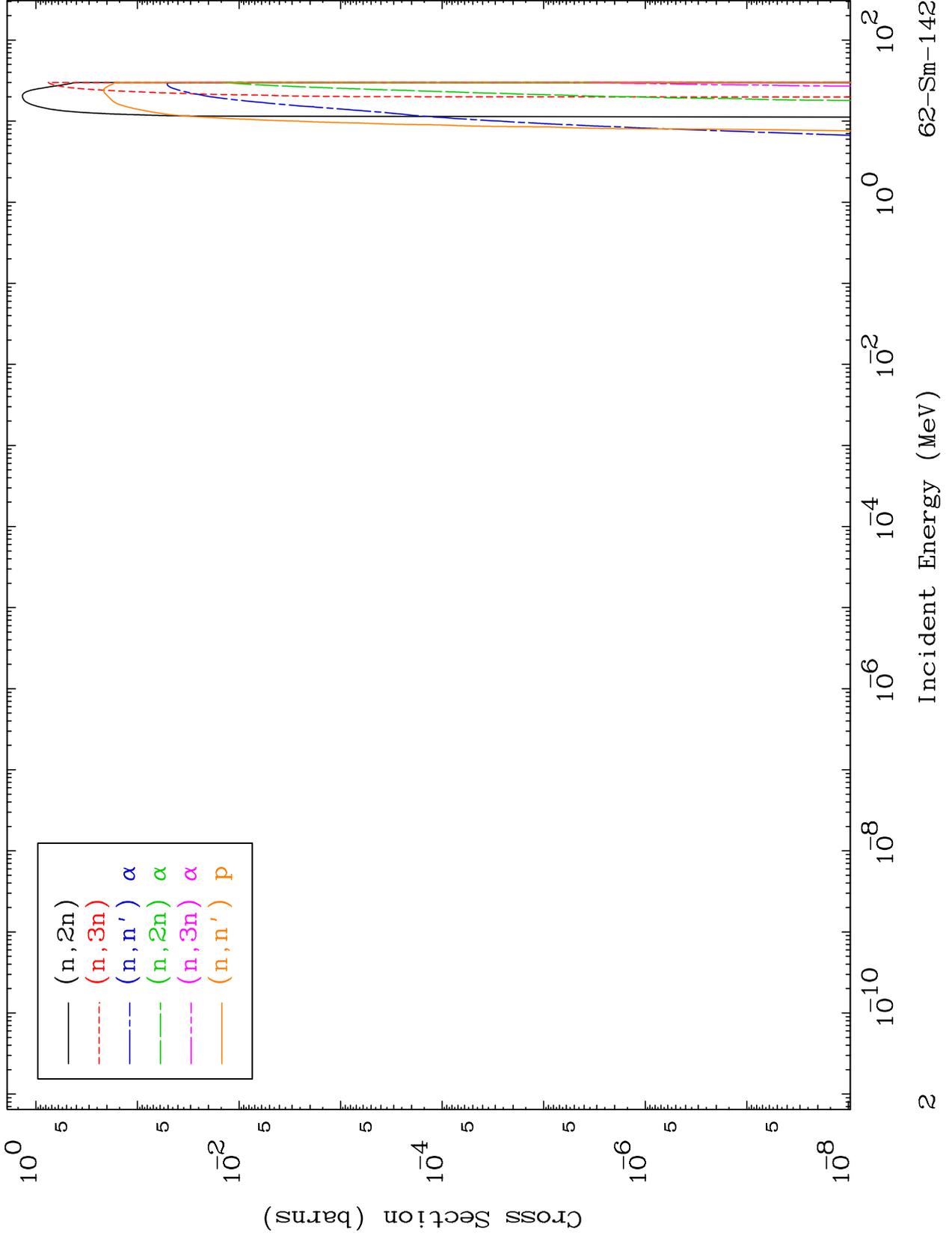
62-Sm-142



MAT 6219

Neutron Production  
293 Kelvin Cross Sections

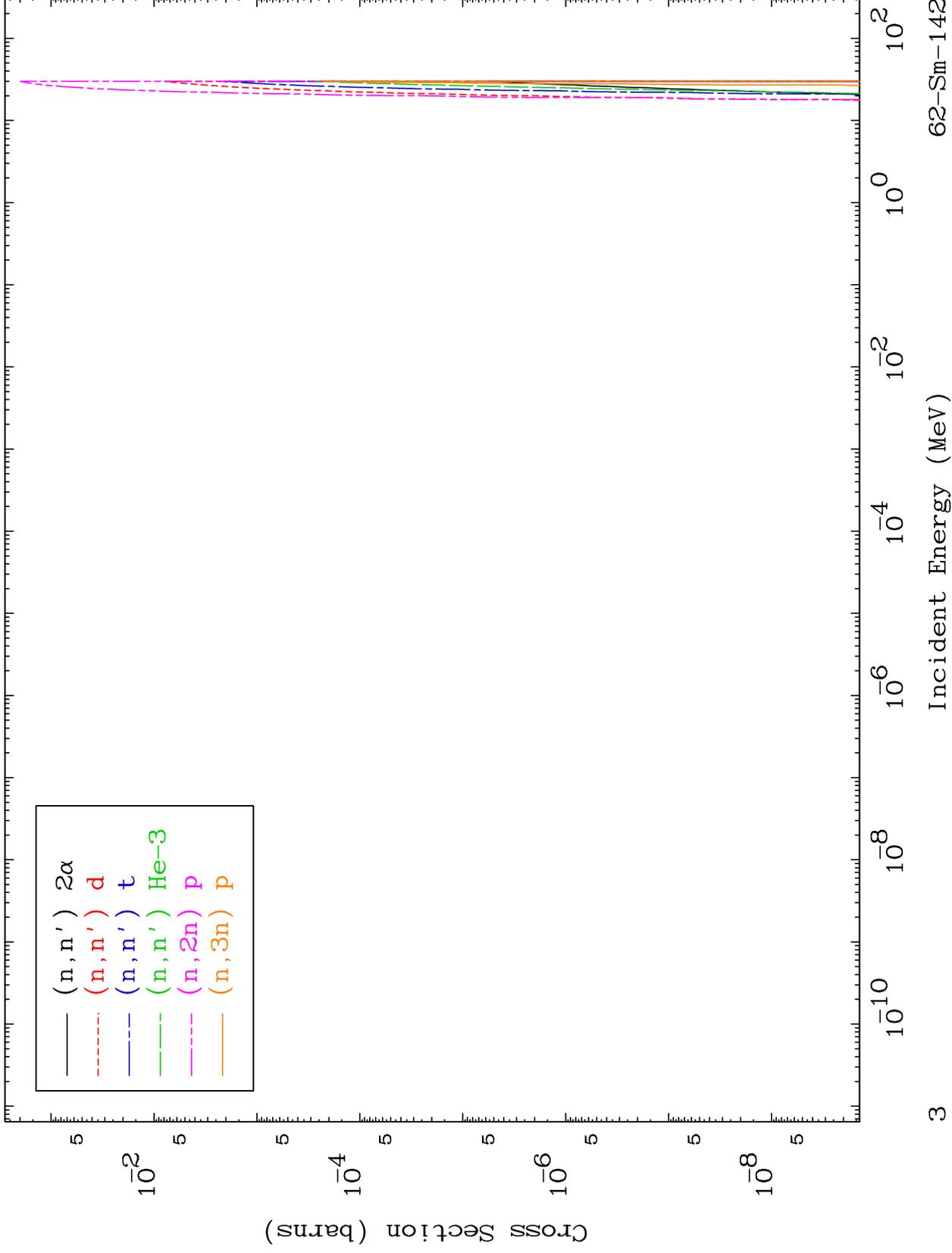
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MAT 6219

Neutron Production  
293 Kelvin Cross Sections

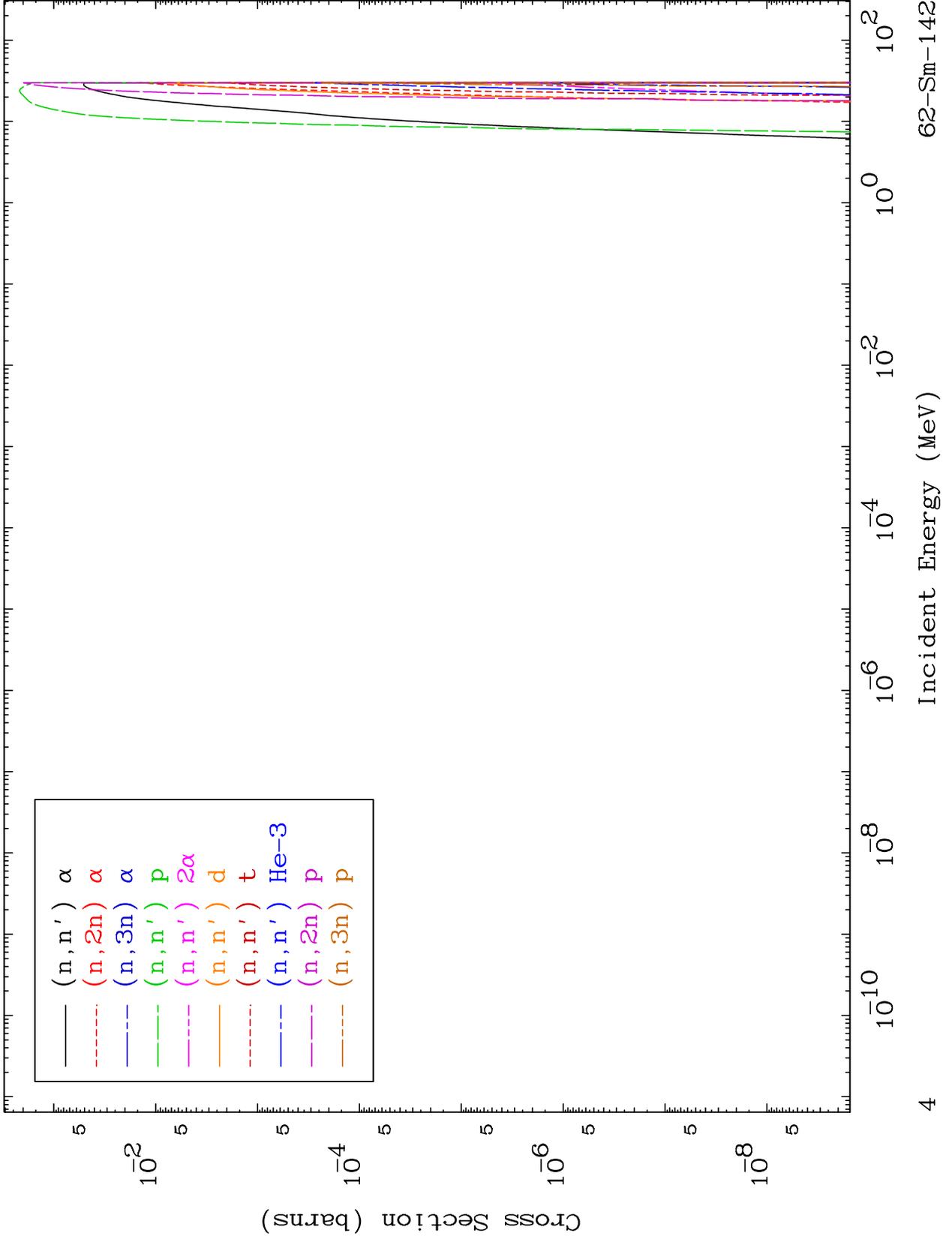
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MAT 6219

Charged Particle  
293 Kelvin Cross Sections

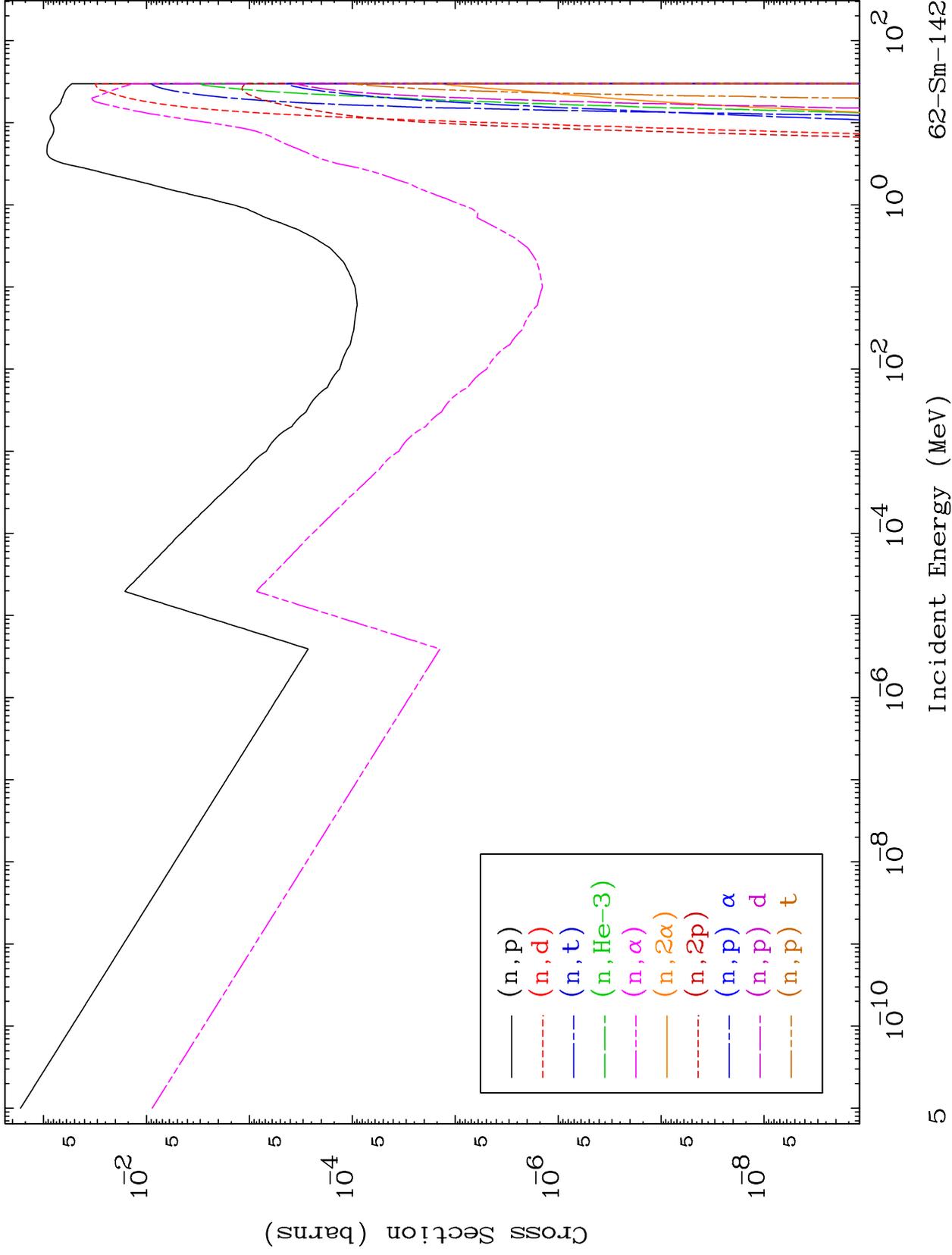
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Charged Particle  
293 Kelvin Cross Sections

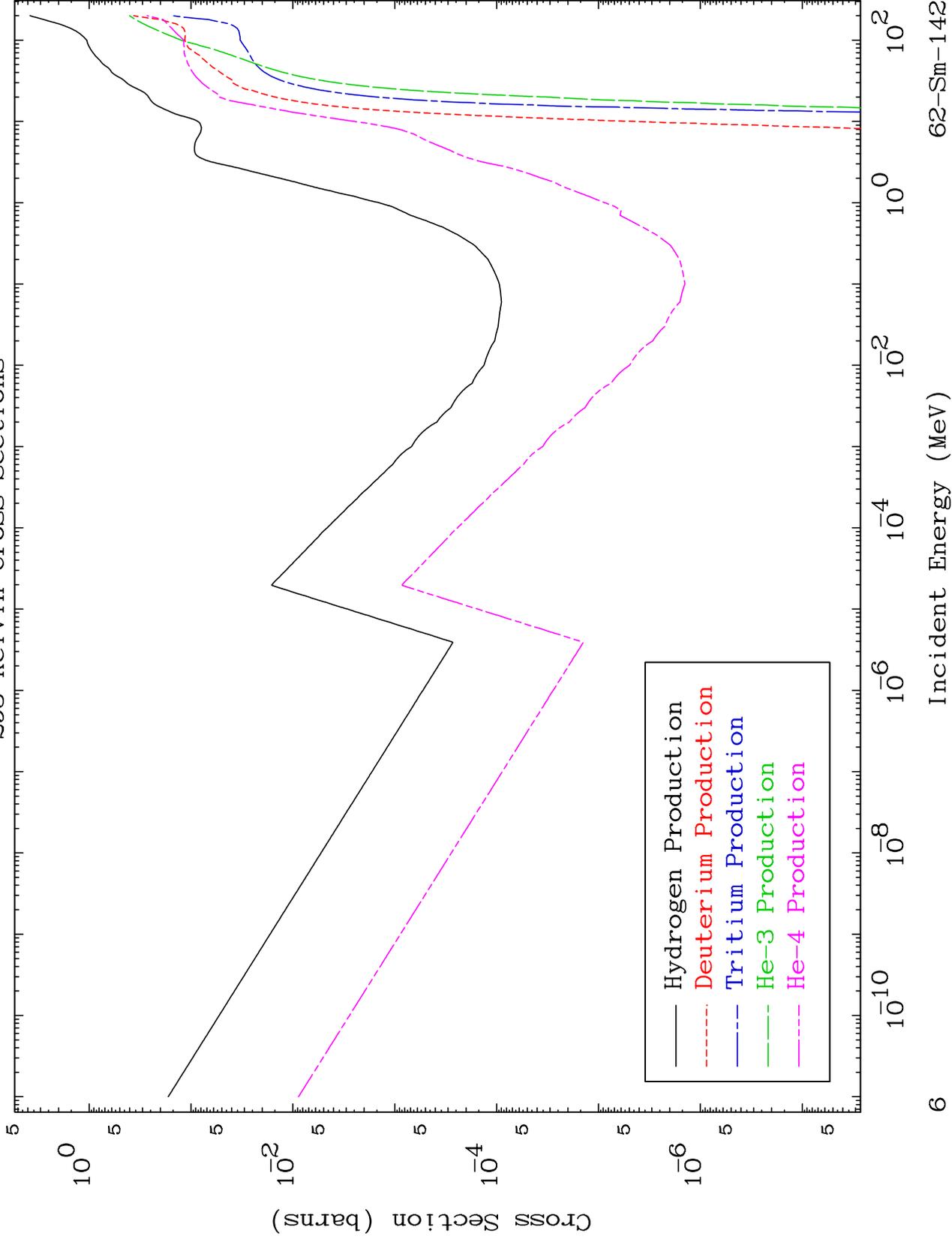
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MAT 6219

Particle Production  
293 Kelvin Cross Sections

62-Sm-142

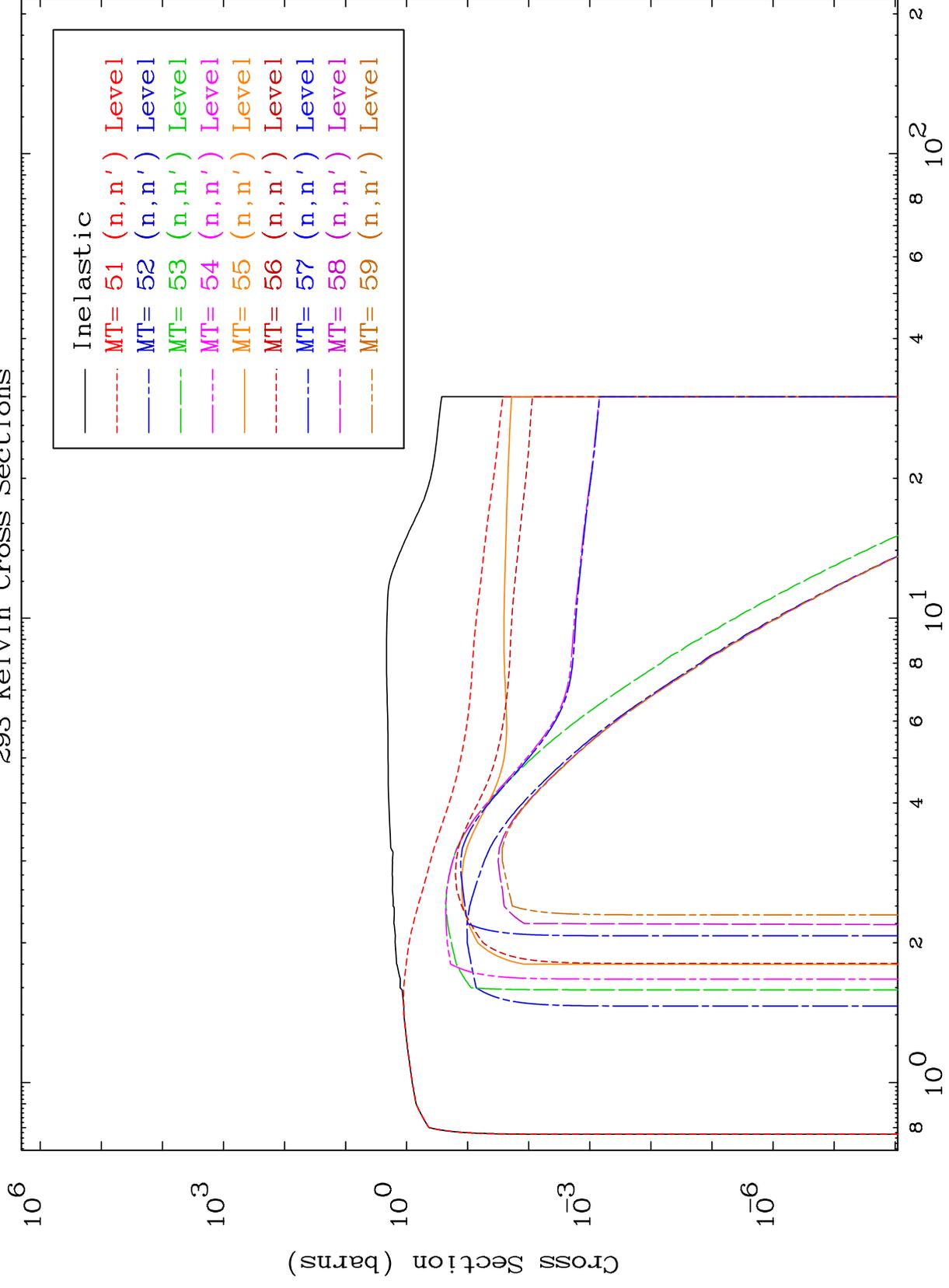


MAT 6219

(n,n') Level

62-Sm-142

293 Kelvin Cross Sections



Incident Energy (MeV)

62-Sm-142

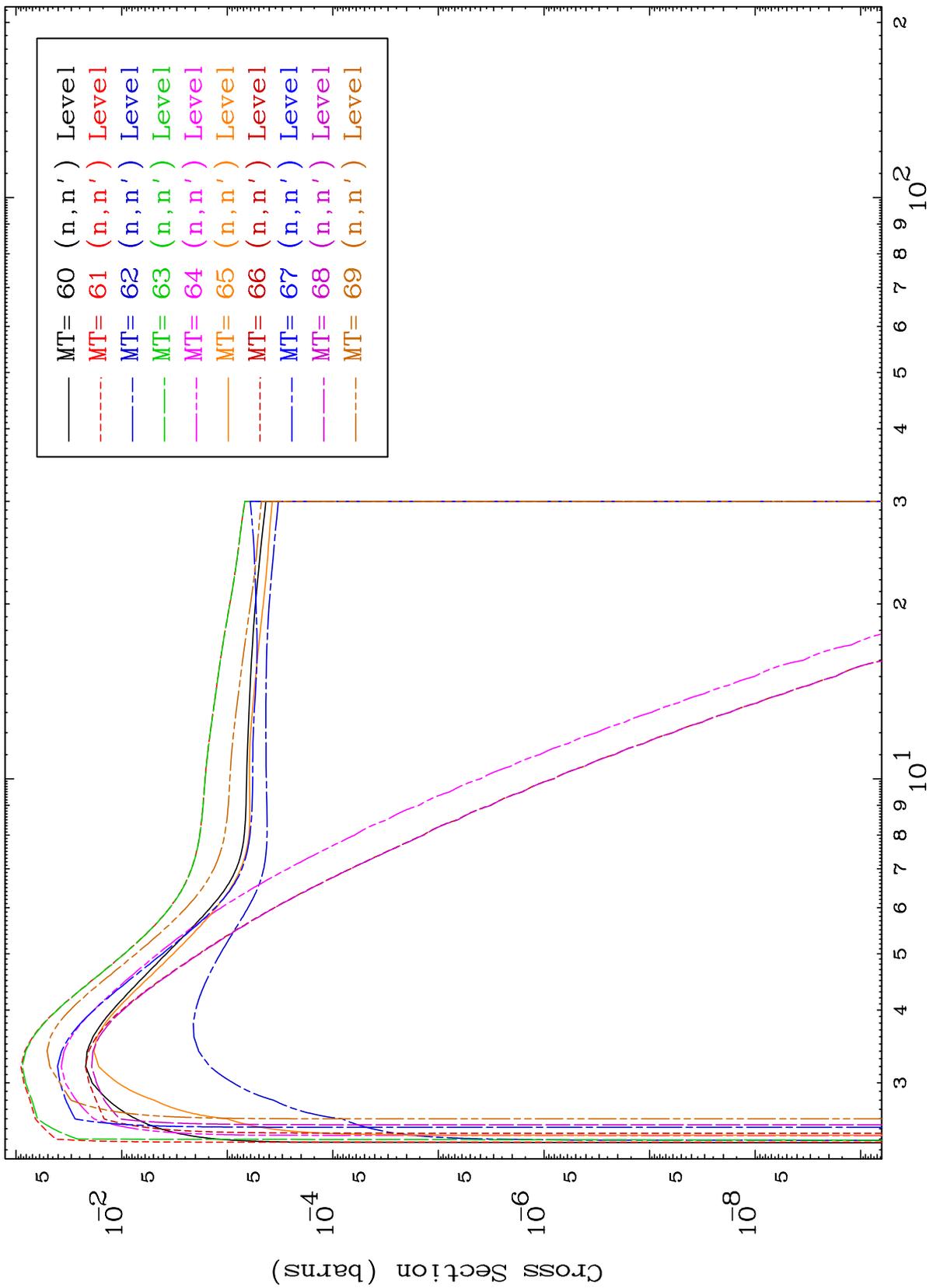
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(n,n') Level

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293 Kelvin Cross Sections

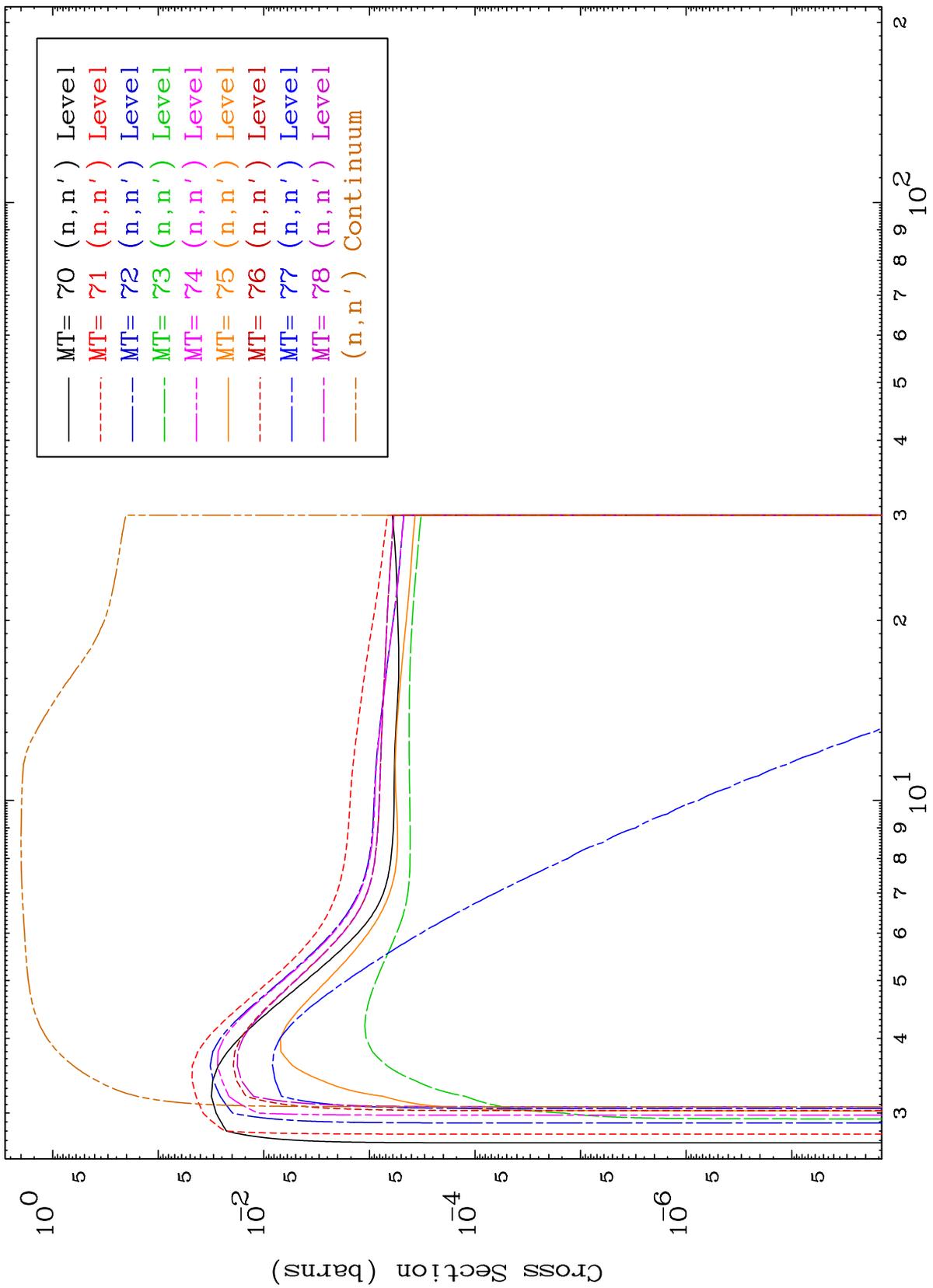


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Incident Energy (MeV)

62-Sm-142

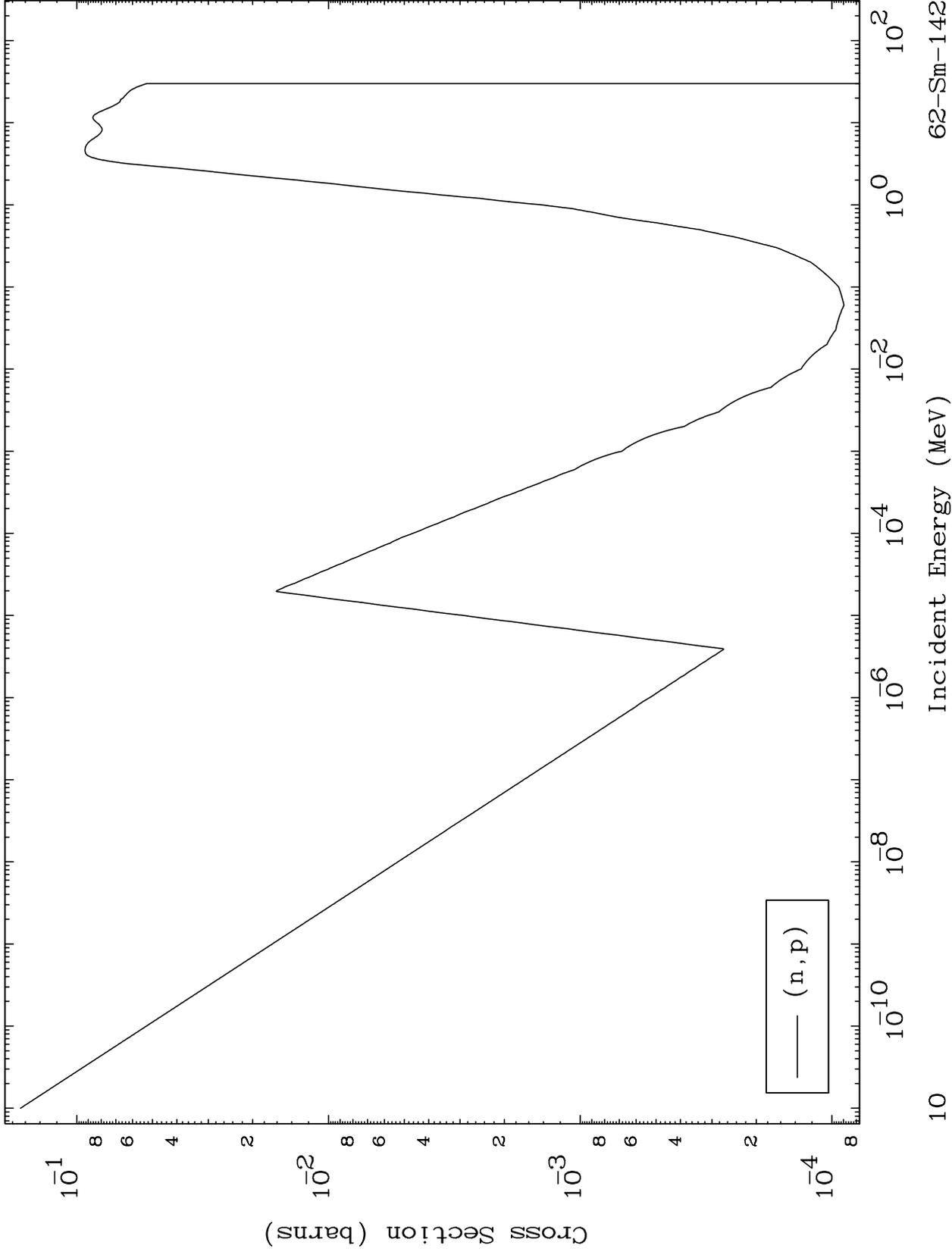
293 Kelvin Cross Sections



MAT 6219

(n,p) Levels  
293 Kelvin Cross Sections

62-Sm-142



10

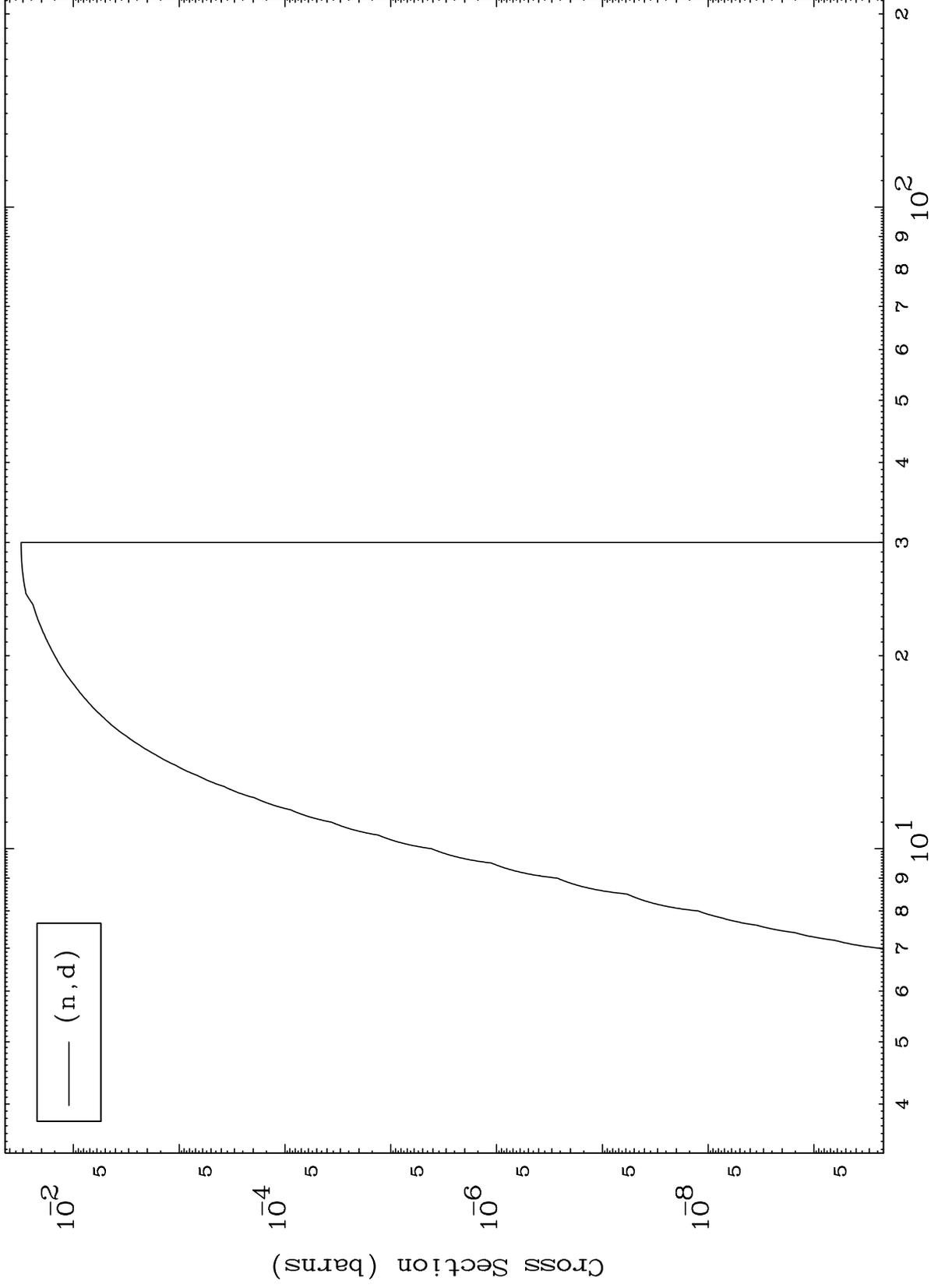
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62-Sm-142

MAT 6219

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-142



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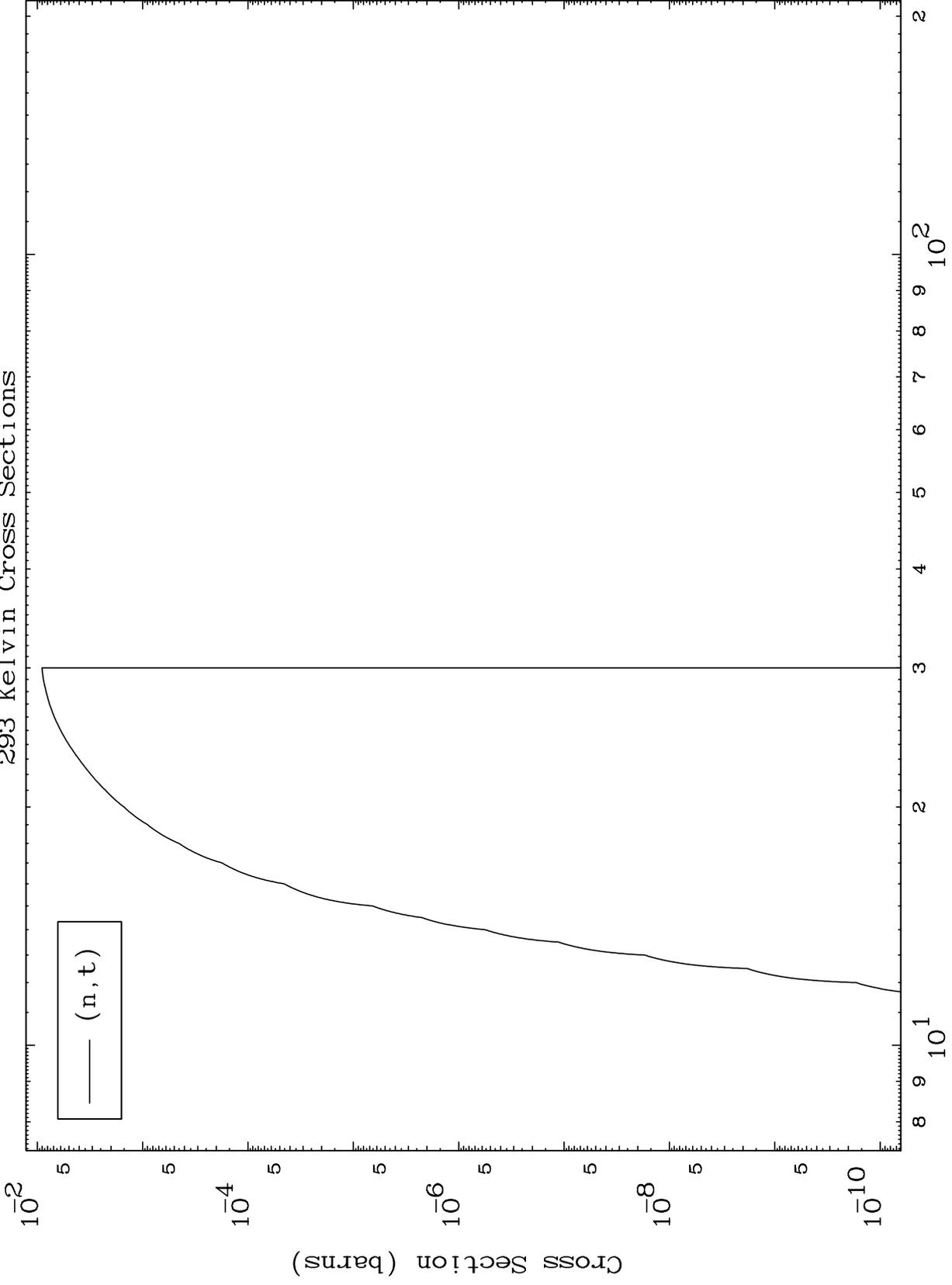
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MAT 6219

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-142



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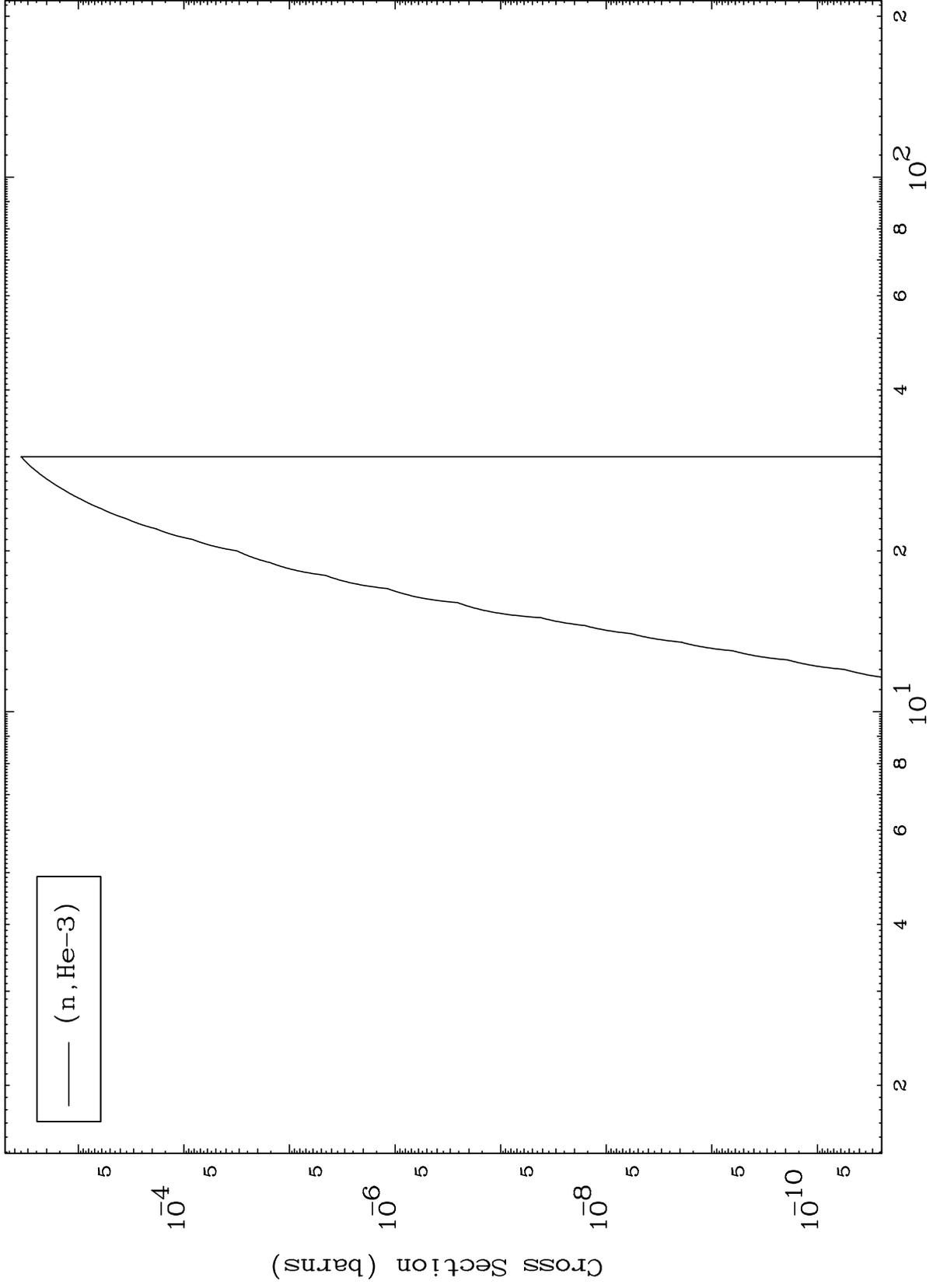
Incident Energy (MeV)

62-Sm-142

MAT 6219

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-142



13

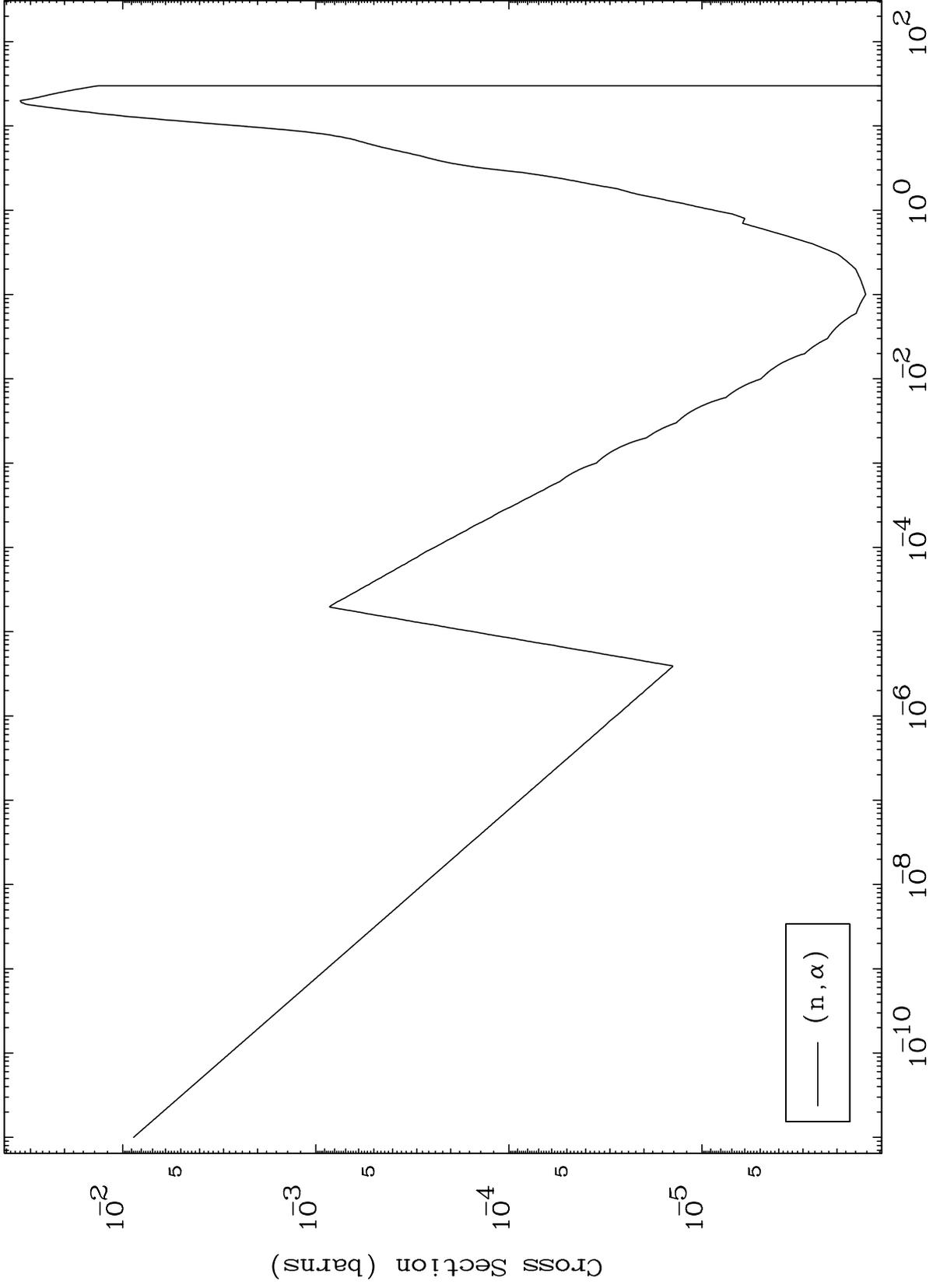
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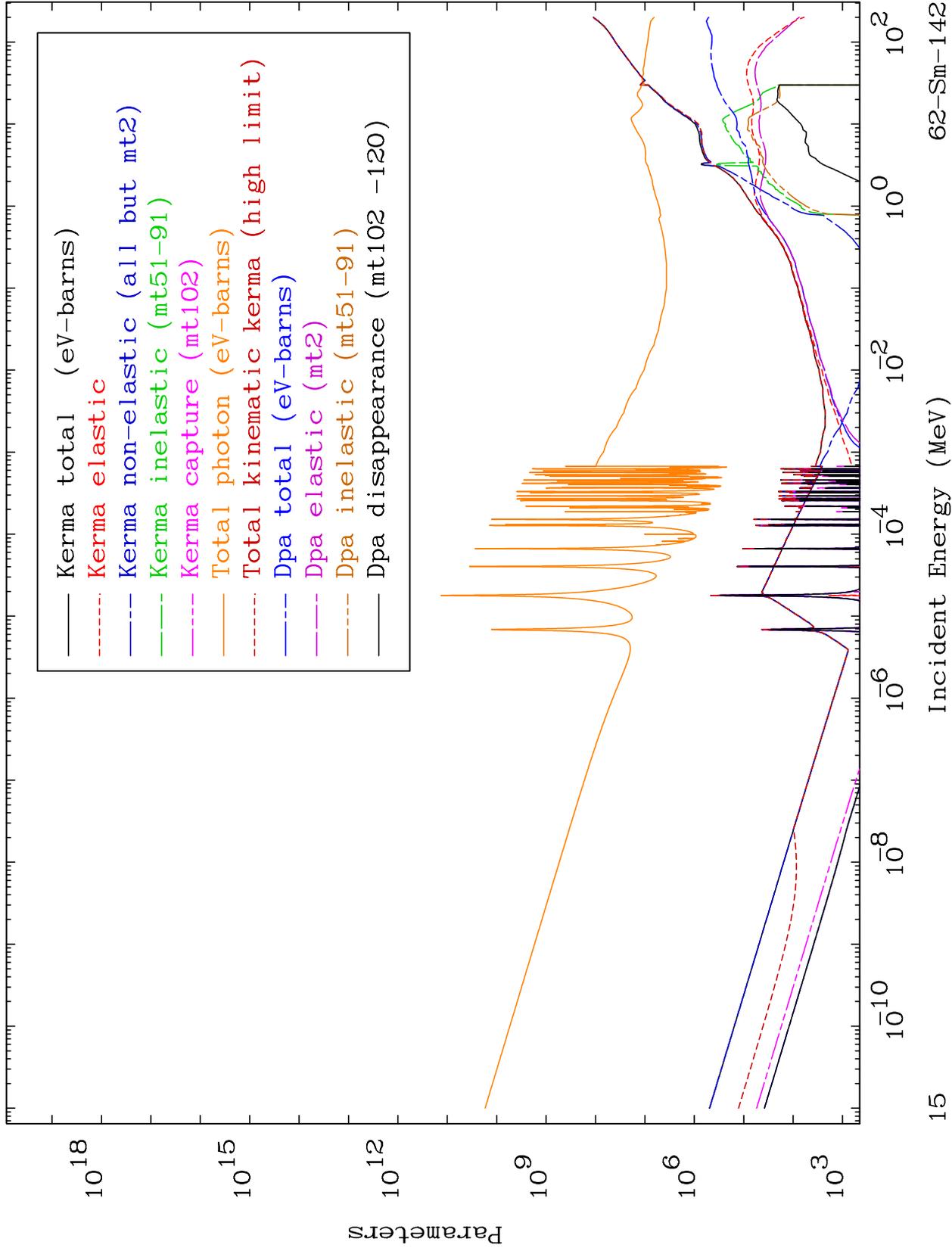
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MAT 6219

(n,α) Levels  
293 Kelvin Cross Sections

62-Sm-142

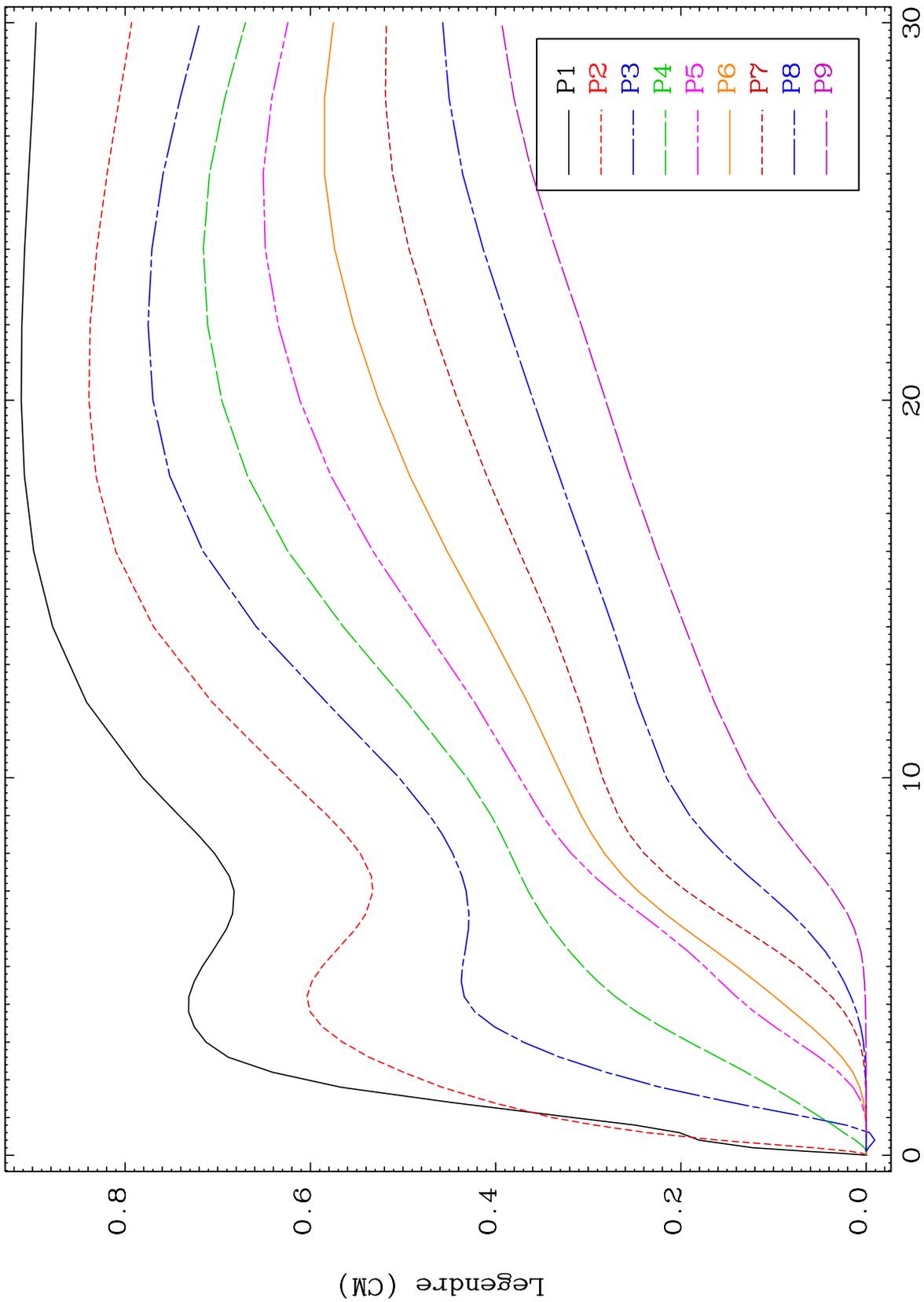




MAT 6219

Elastic Legendre Coefficients

62-Sm-142



16

Incident Energy (MeV)

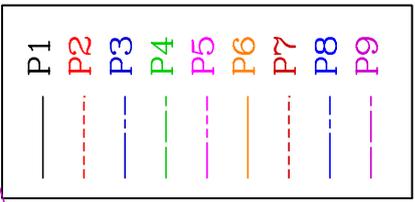
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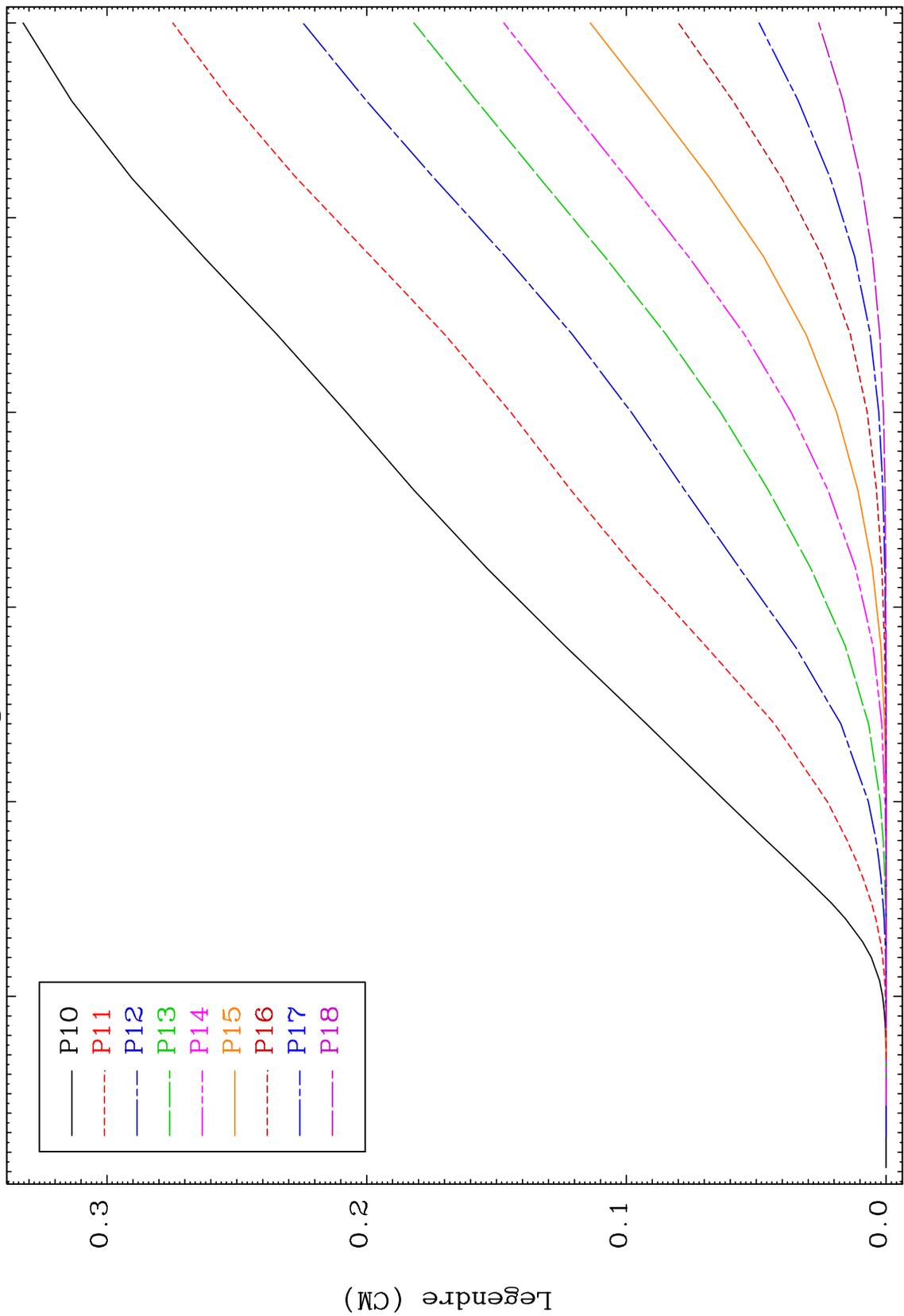
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MAT 6219

Elastic Legendre Coefficients

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17

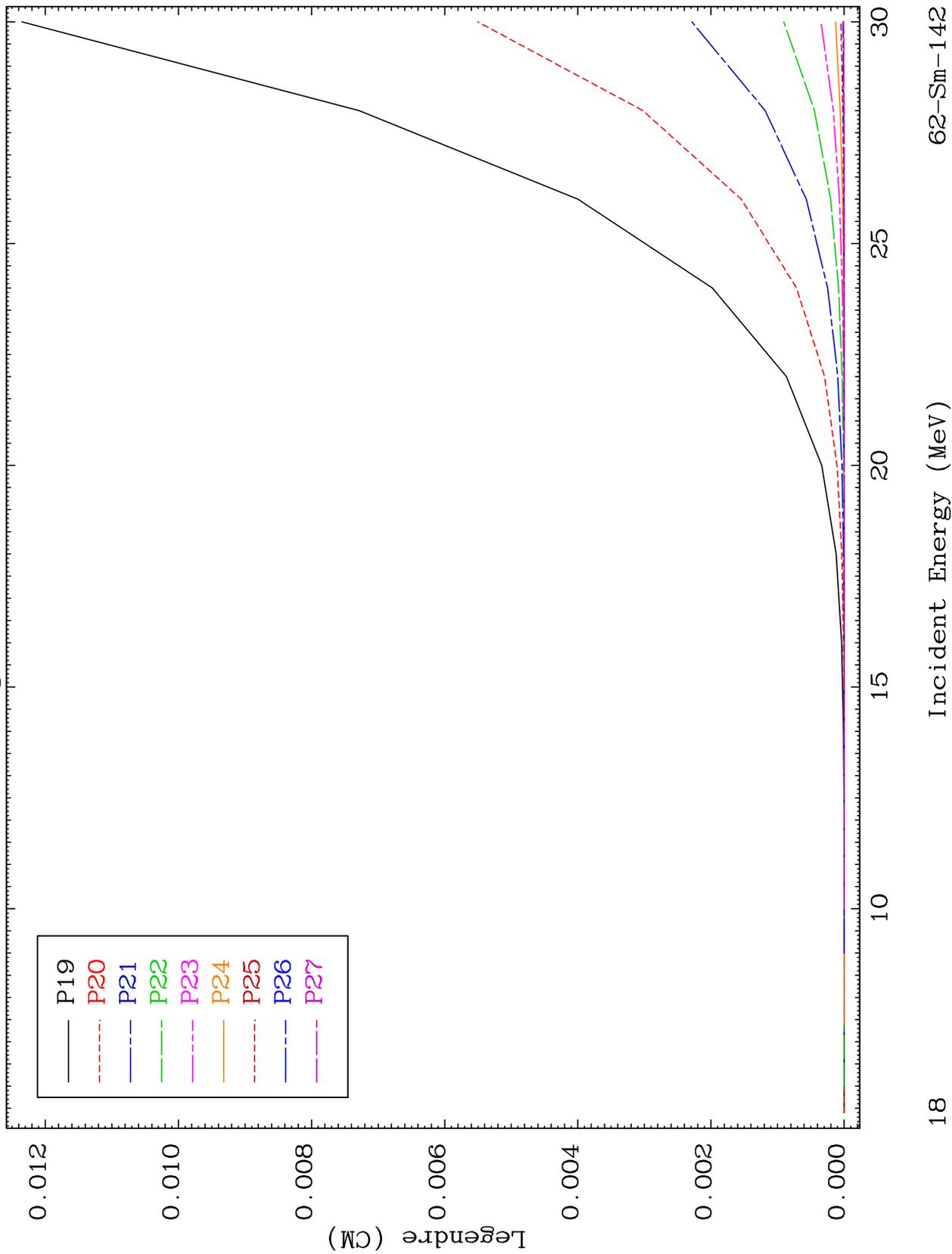
Incident Energy (MeV)

62-Sm-142

MAT 6219

### Elastic Legendre Coefficients

62-Sm-142



18

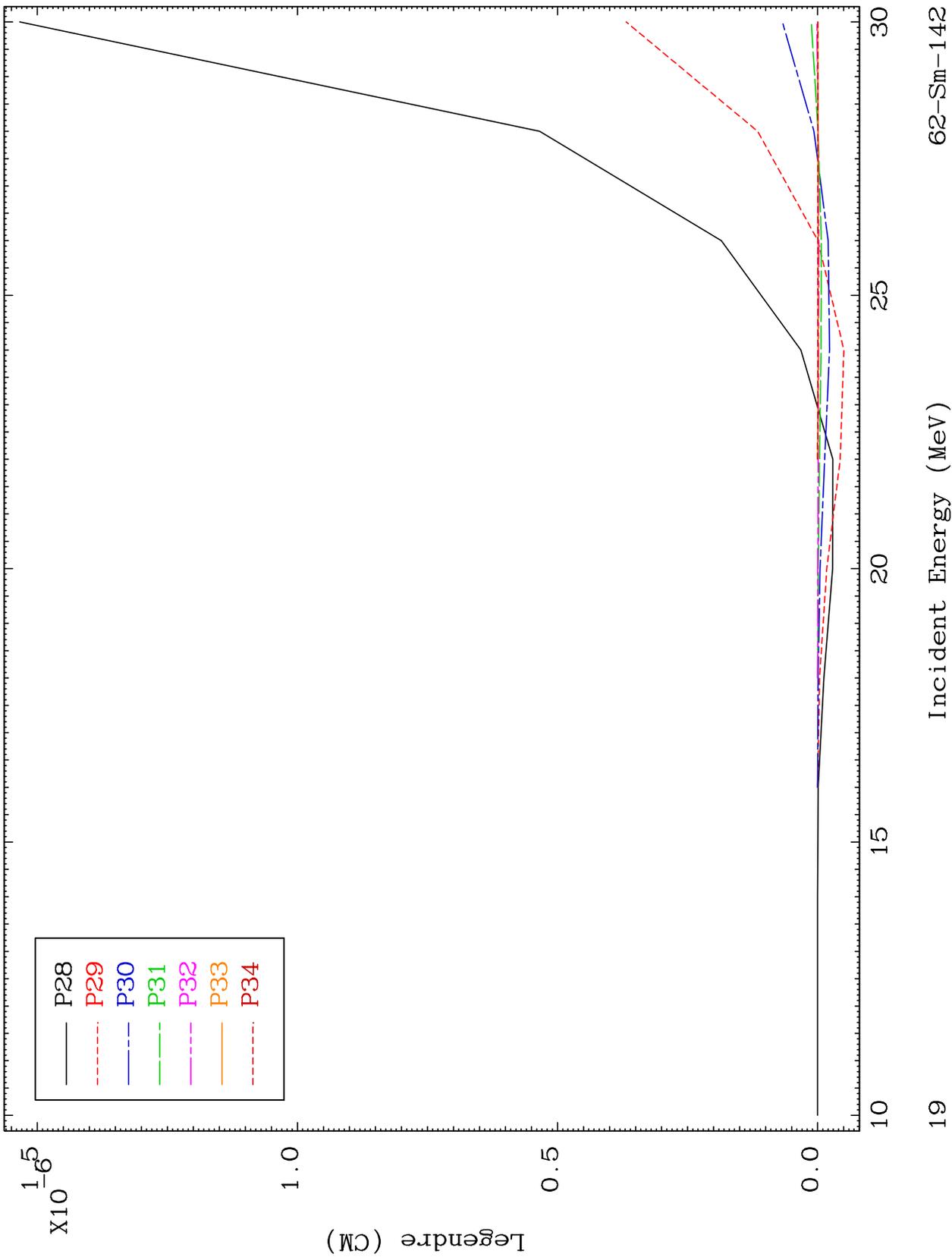
Incident Energy (MeV)

62-Sm-142

MAT 6219

Elastic Legendre Coefficients

62-Sm-142



19

Incident Energy (MeV)

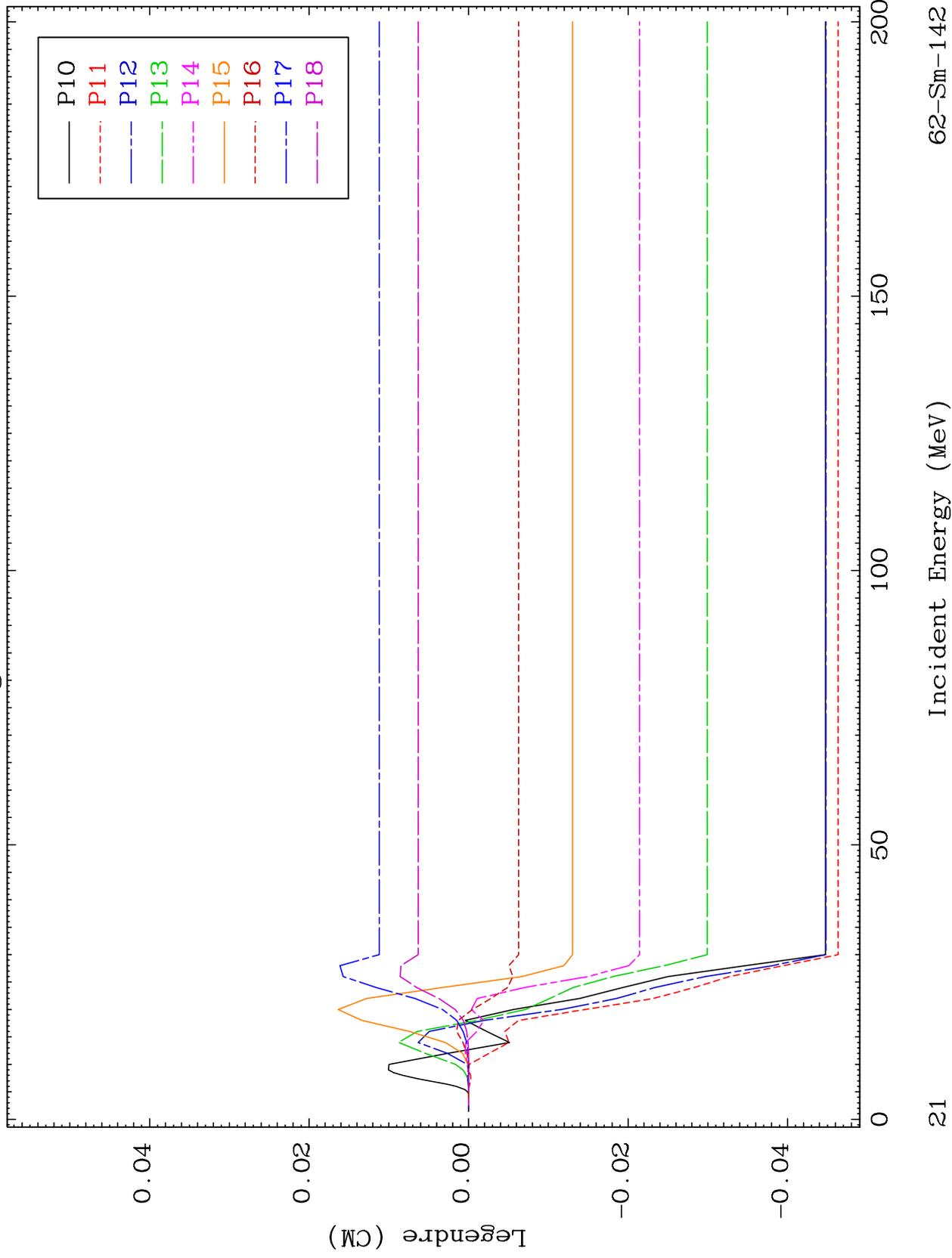
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MAT 6219

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

62-Sm-142



62-Sm-142

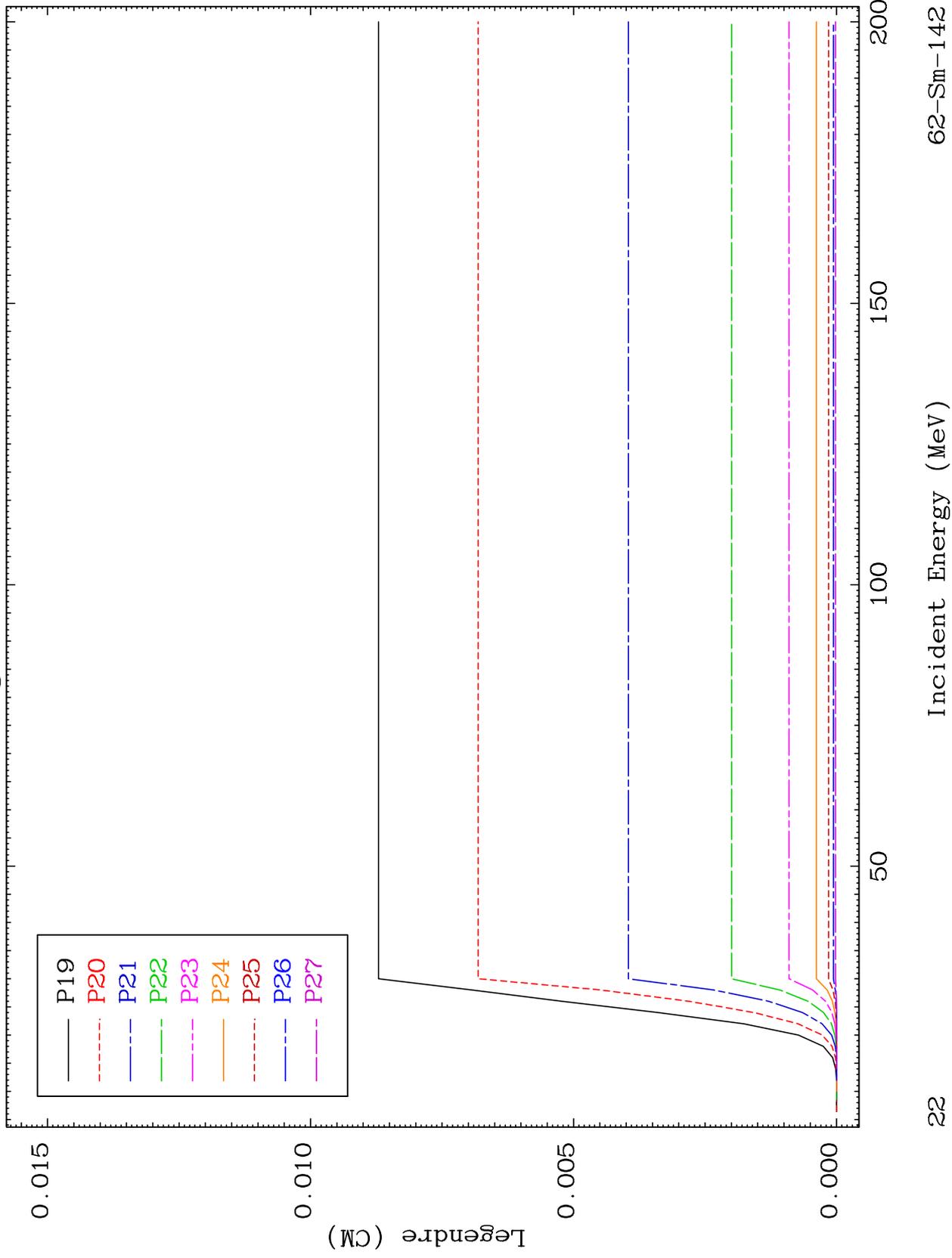
Incident Energy (MeV)

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MAT 6219

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

62-Sm-142



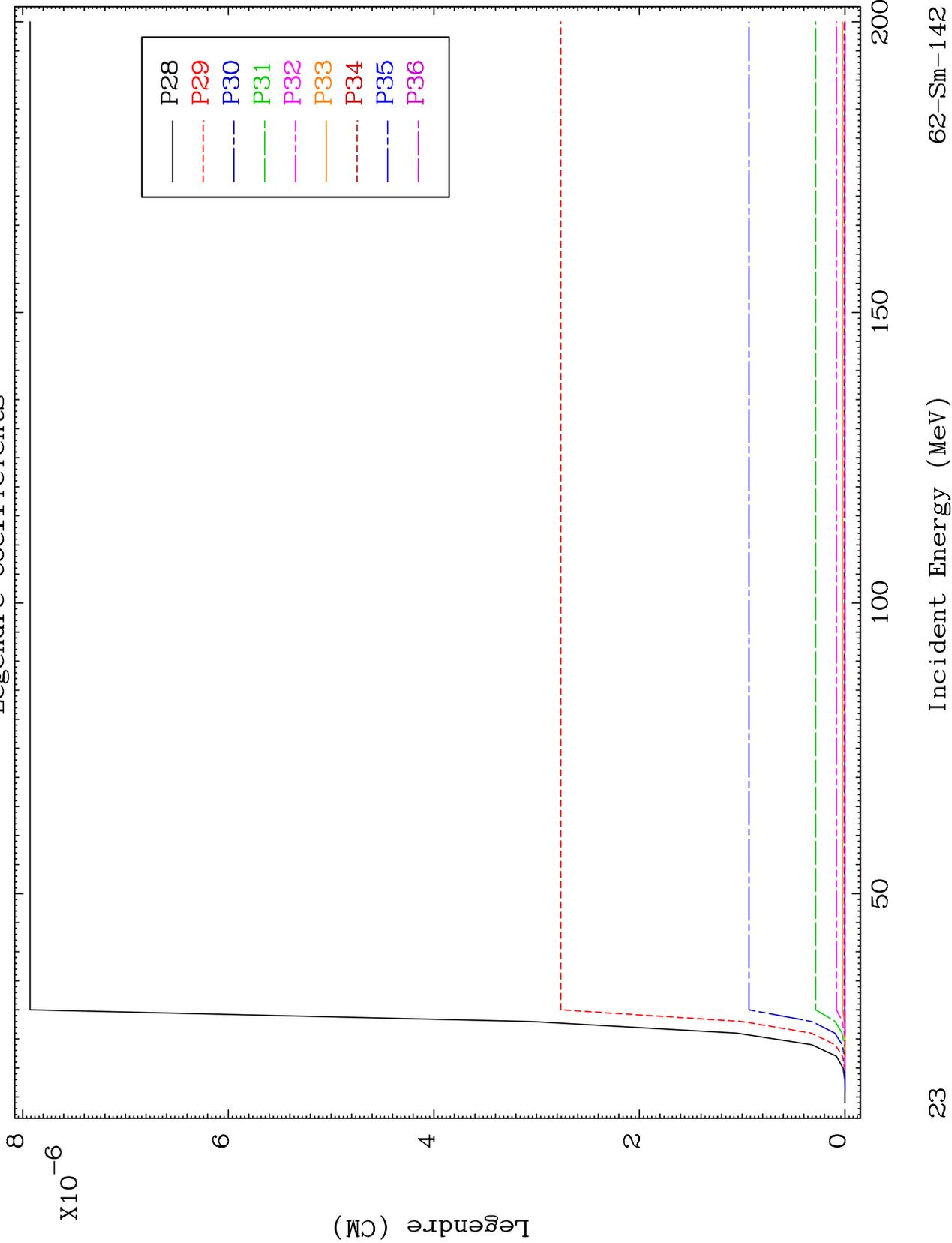
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MAT 6219

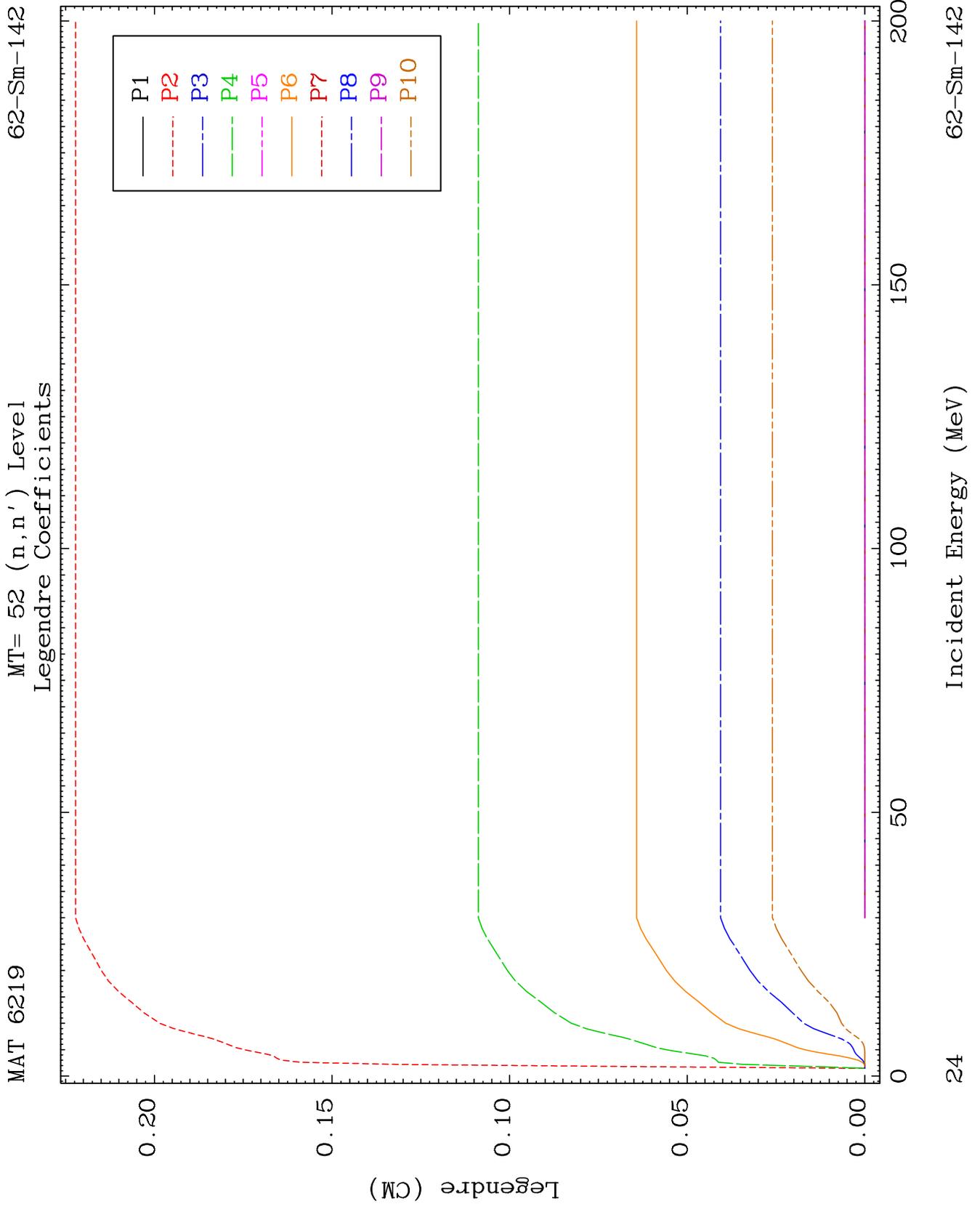
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Legendre Coefficients

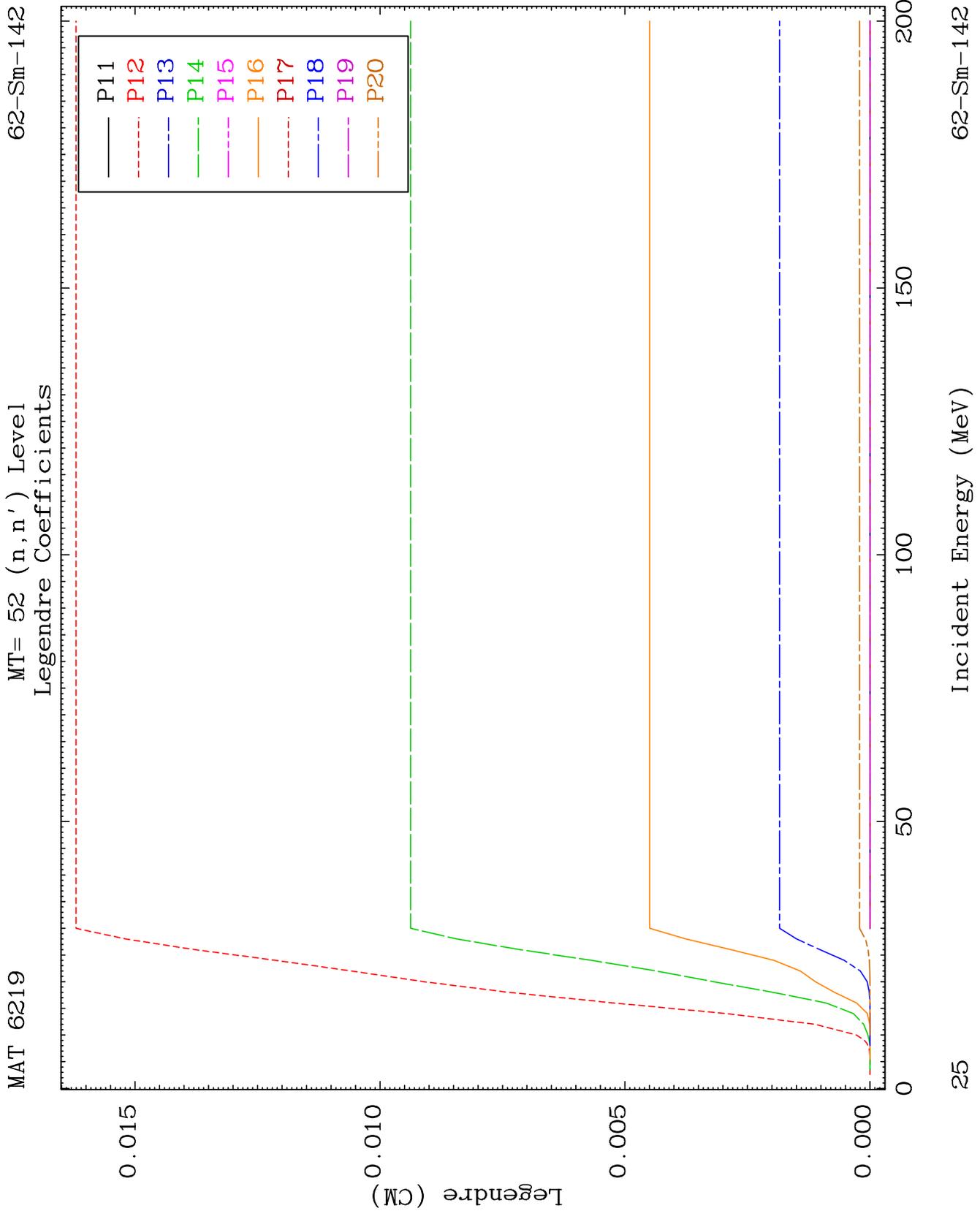
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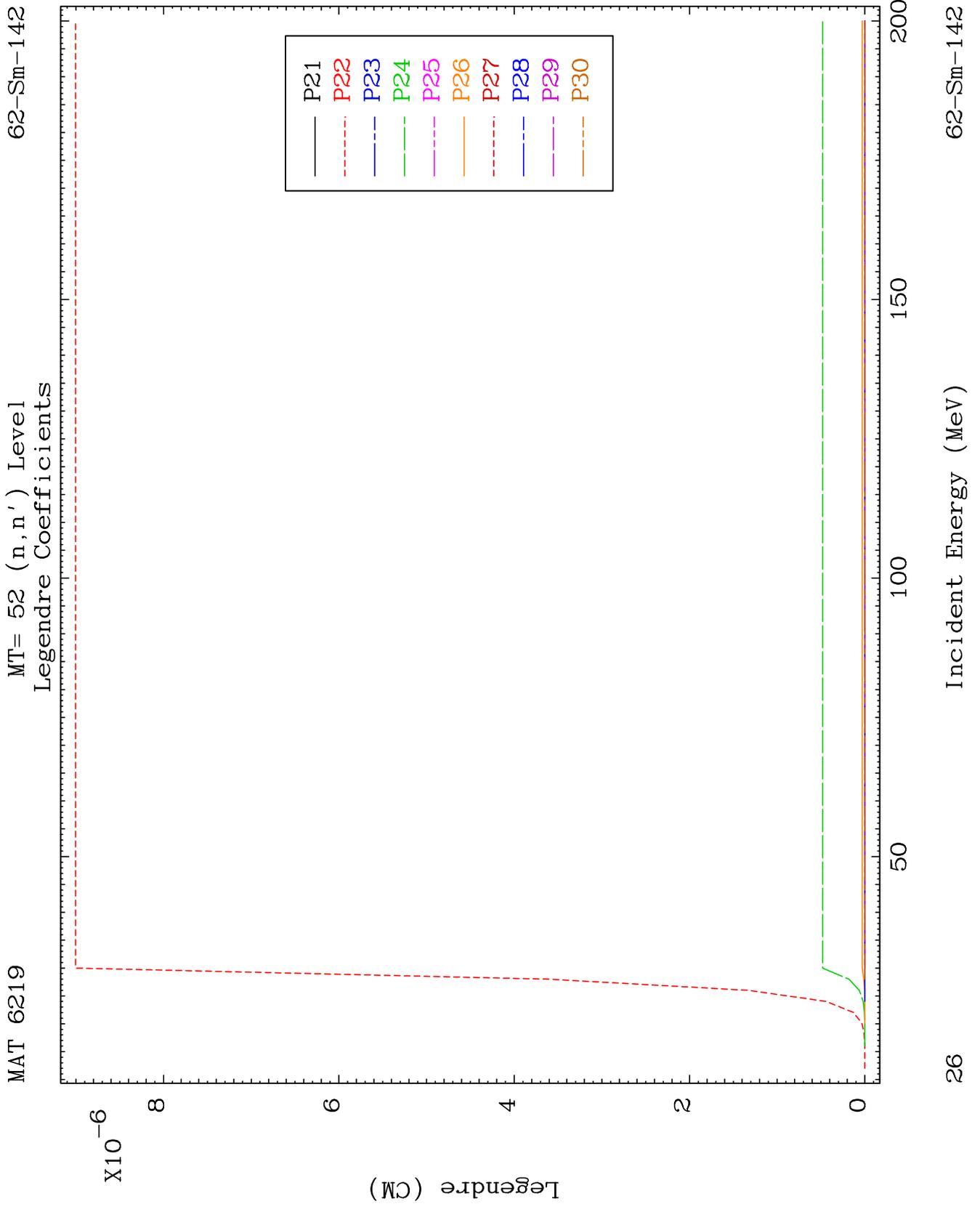


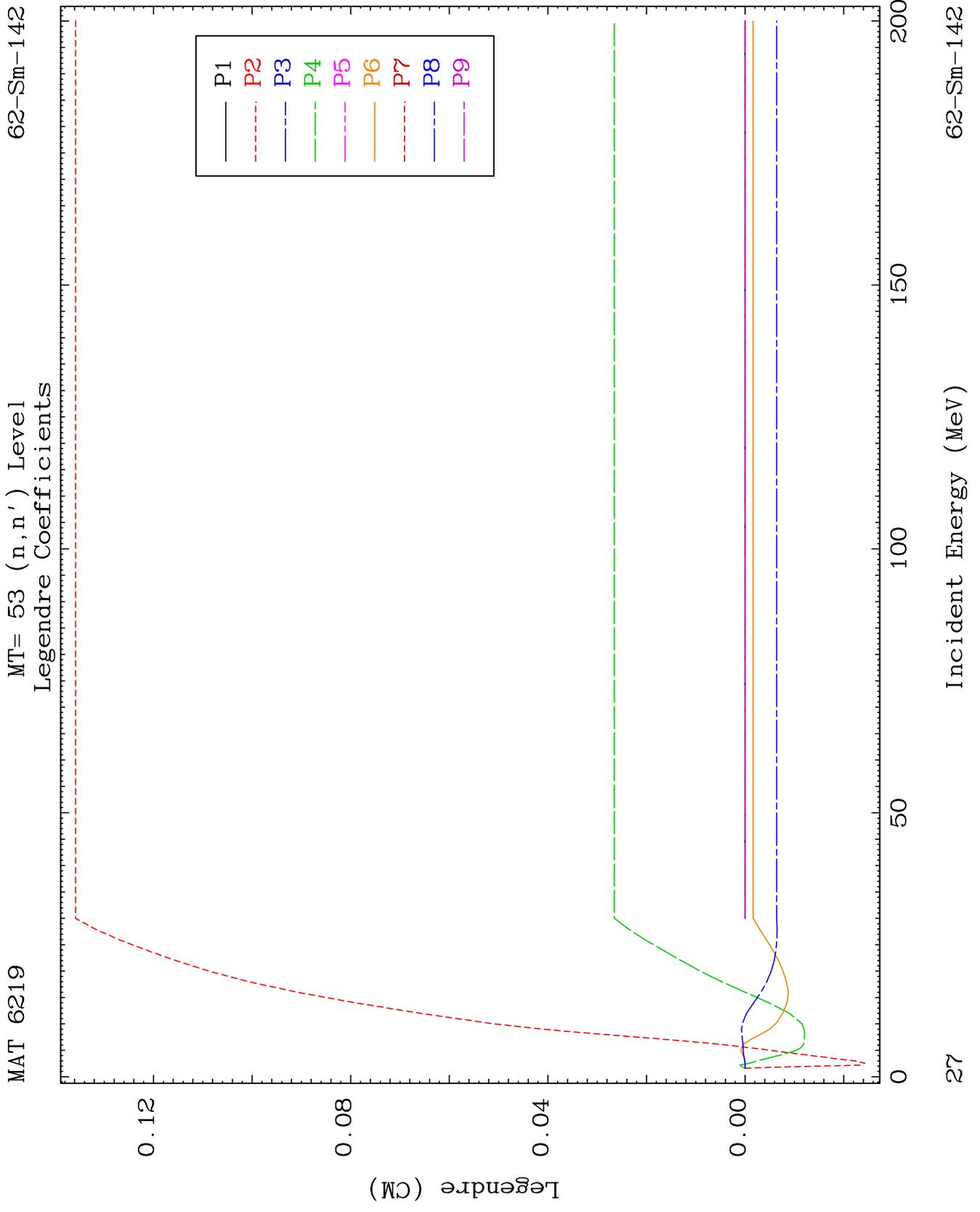
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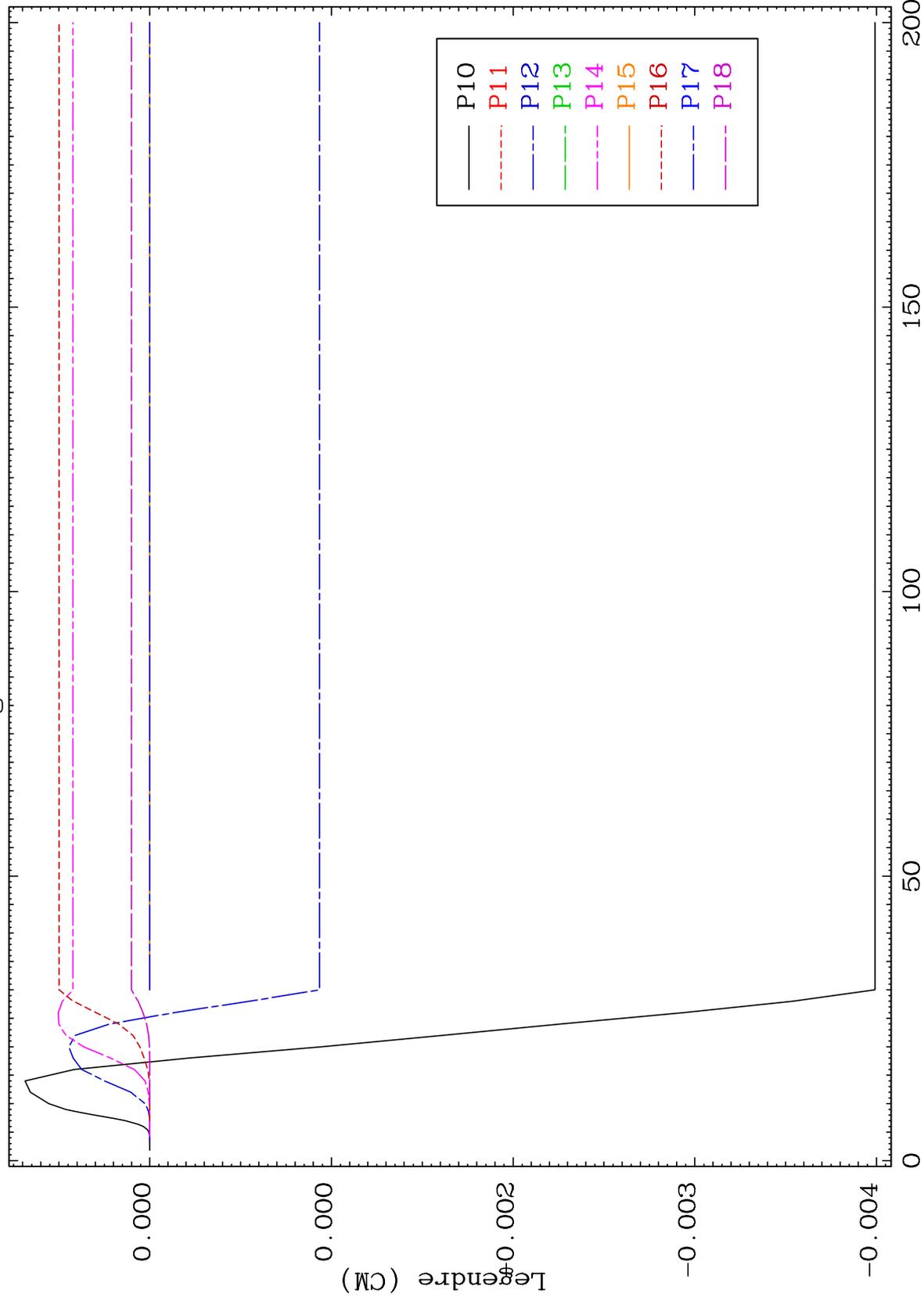




MAT 6219

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Legendre Coefficients

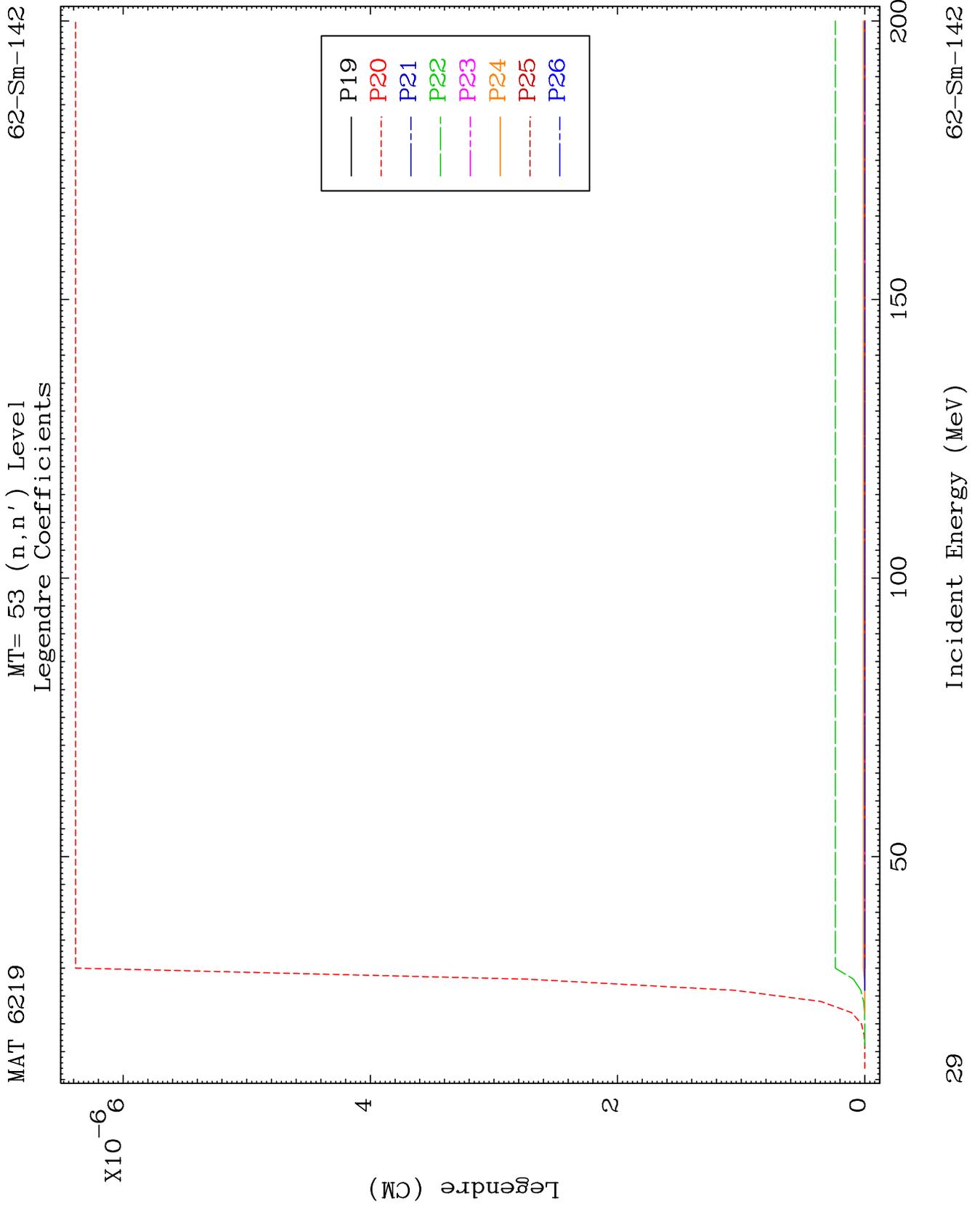
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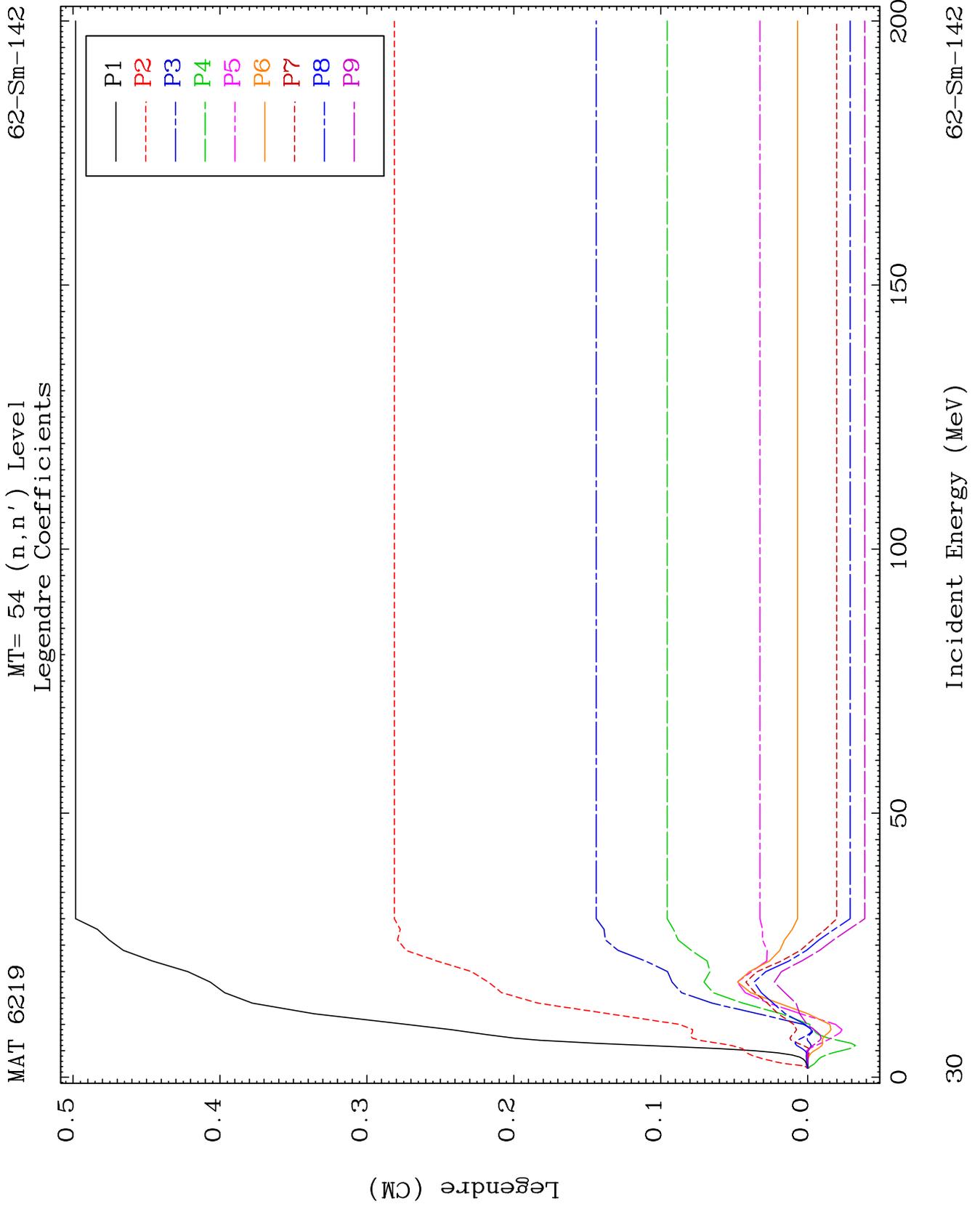


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Incident Energy (MeV)

62-Sm-142

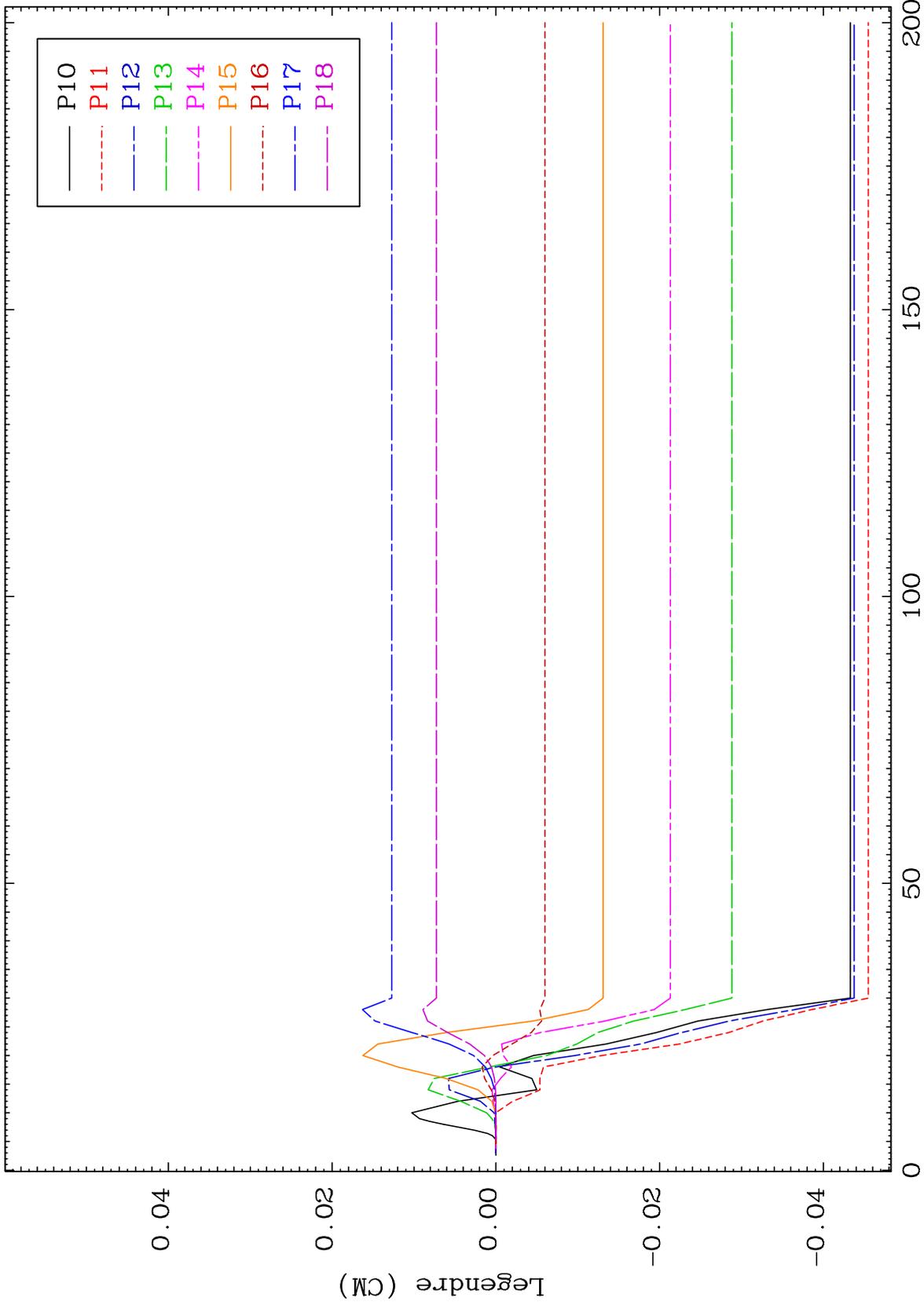




MAT 6219

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

62-Sm-142



31

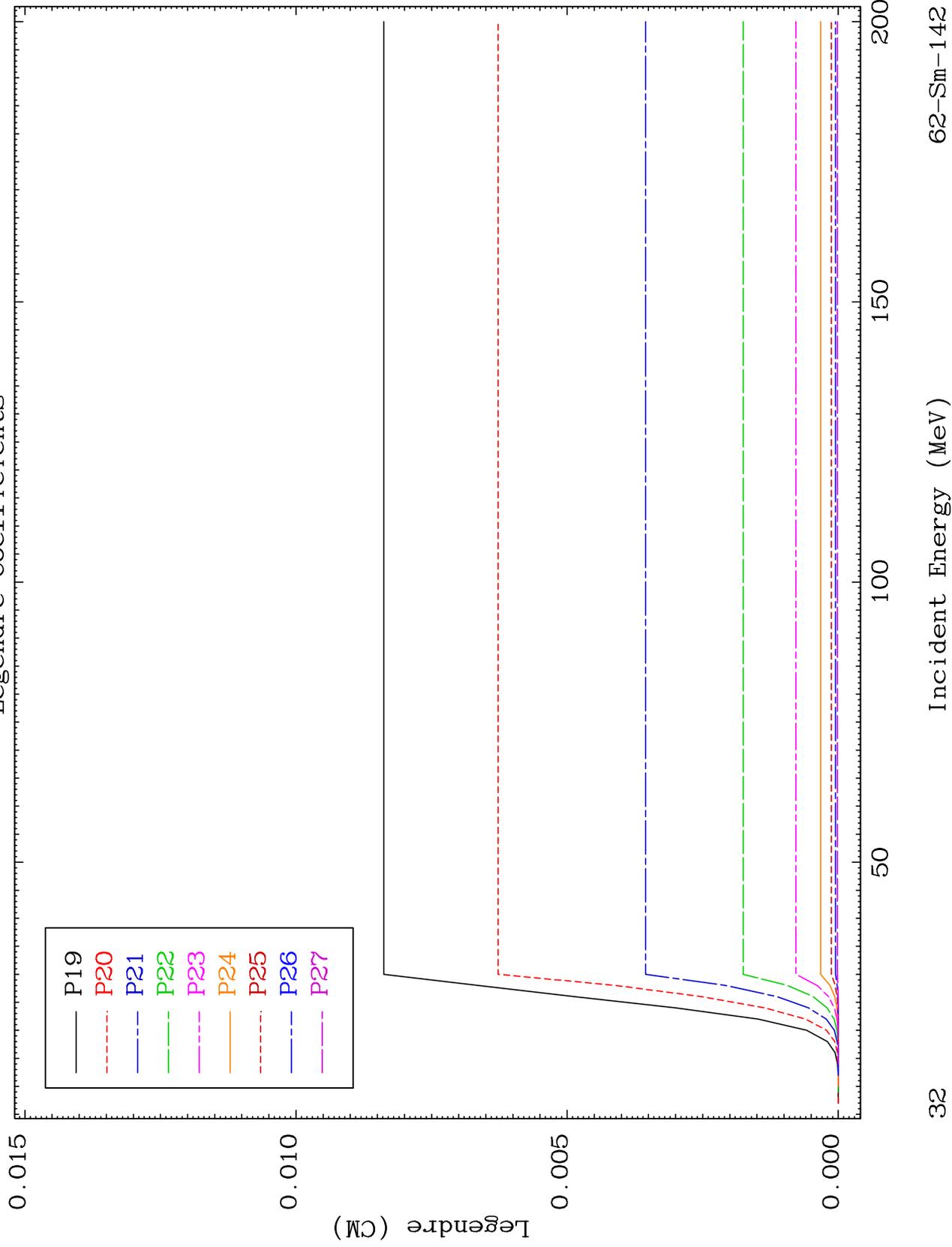
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



32

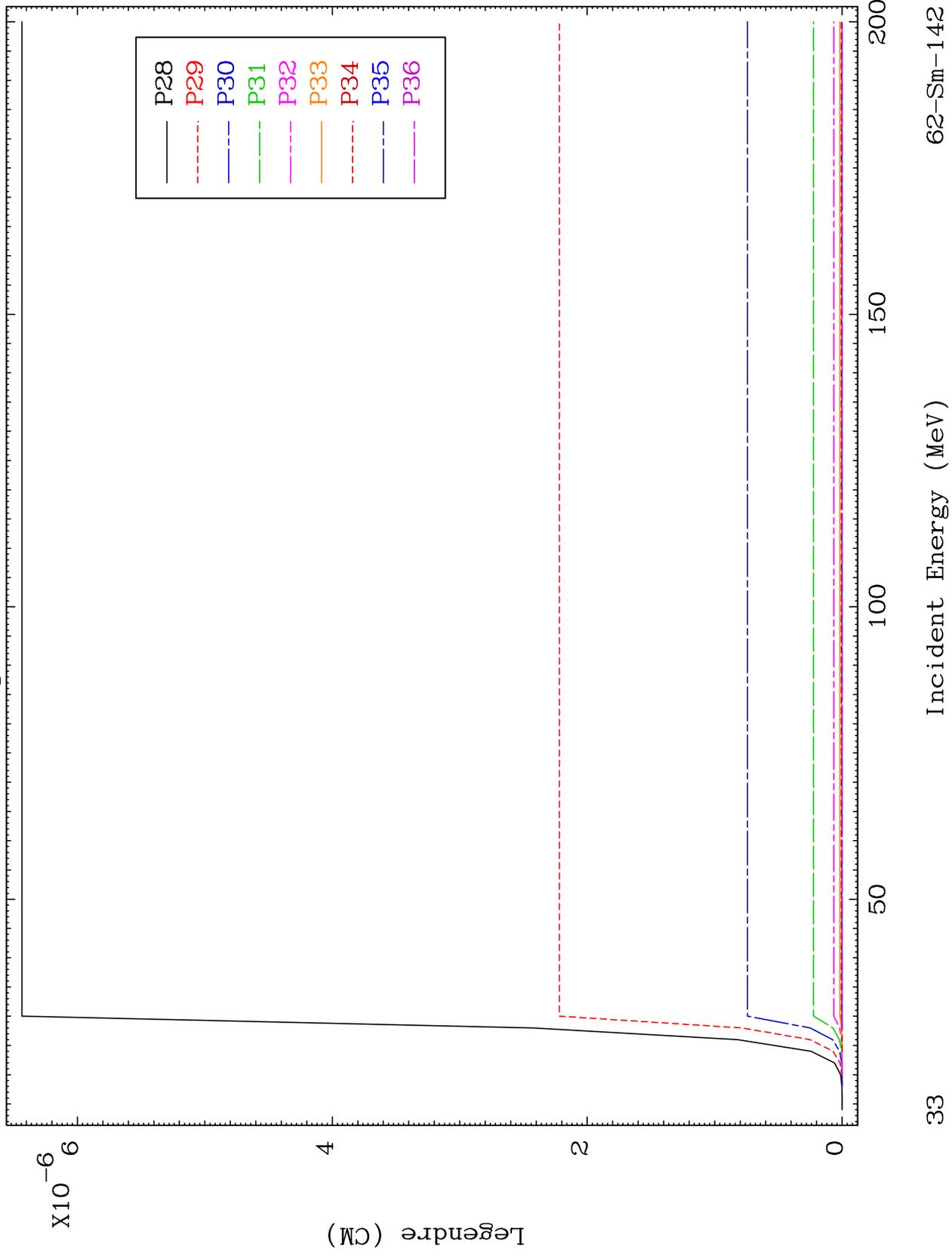
Incident Energy (MeV)

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MAT 6219

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

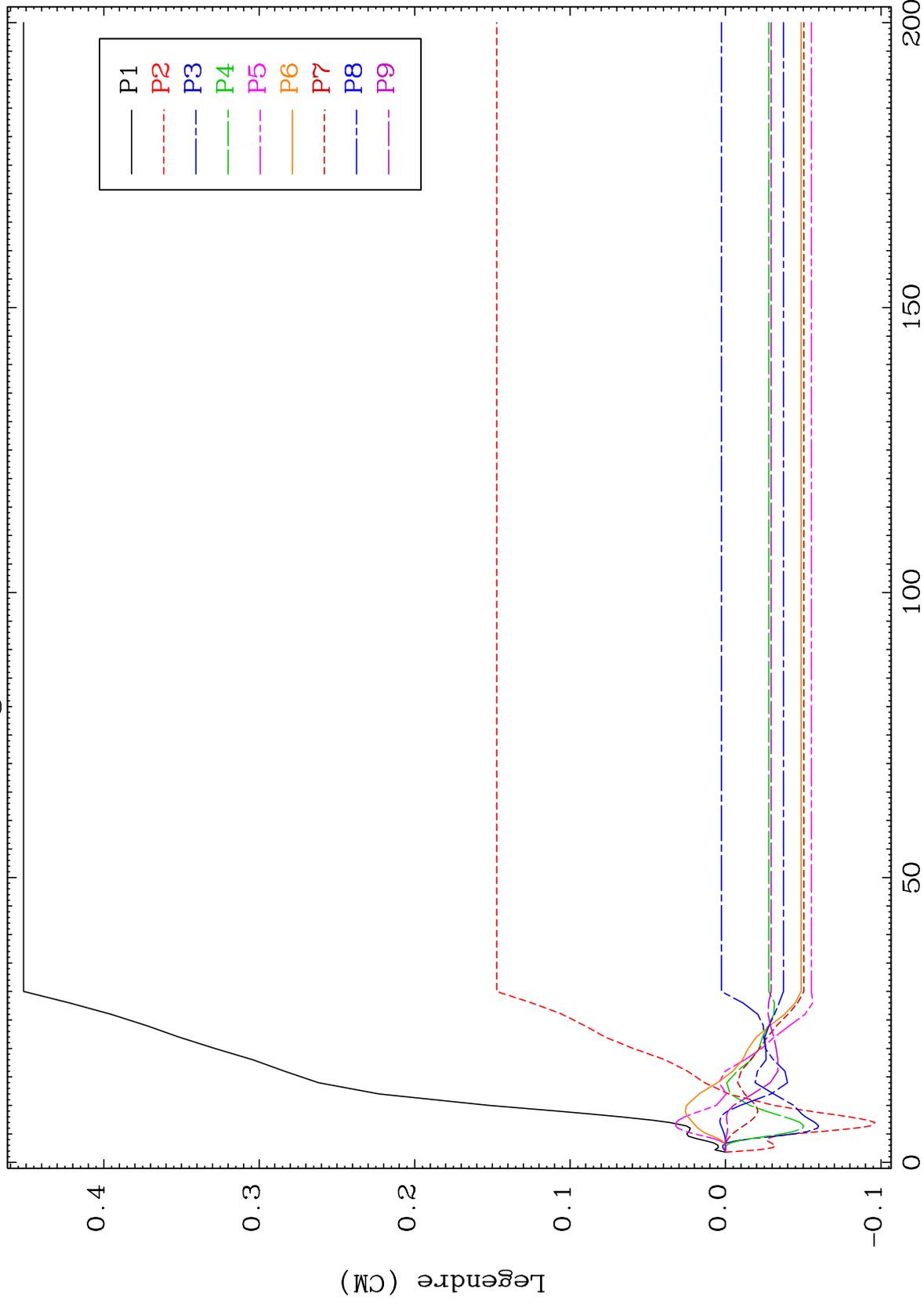
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MAT 6219

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

62-Sm-142



34

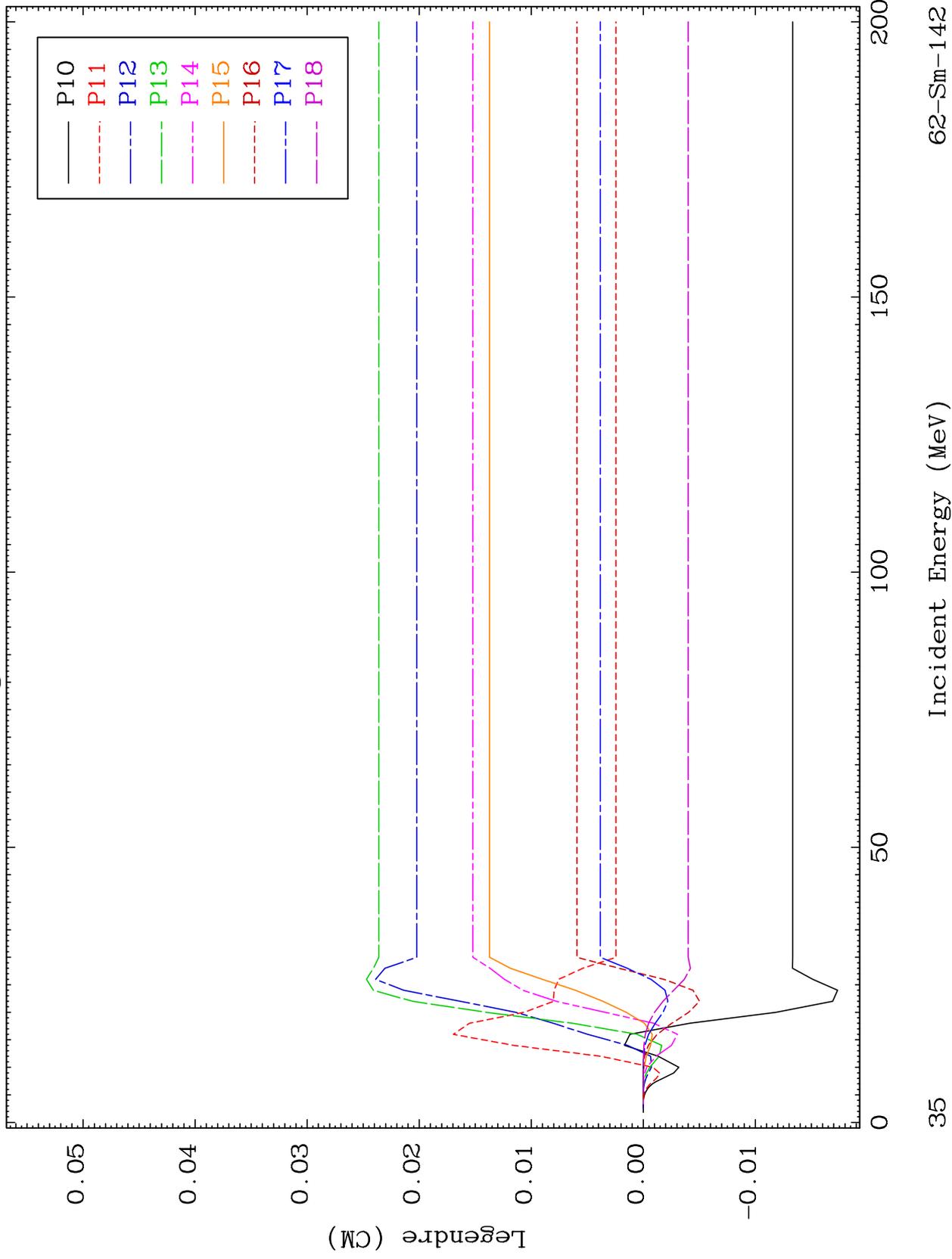
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MAT 6219

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Legendre Coefficients

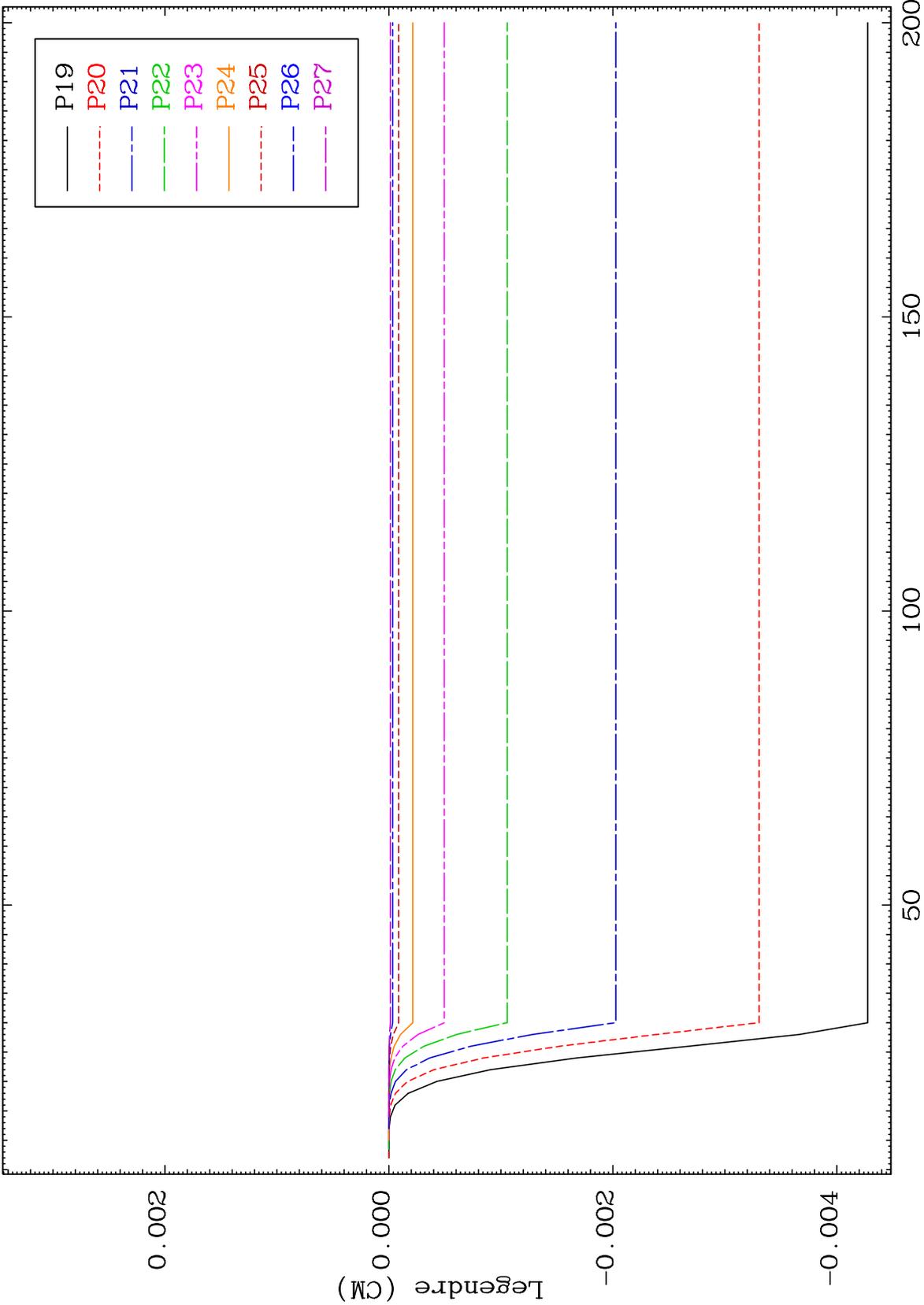
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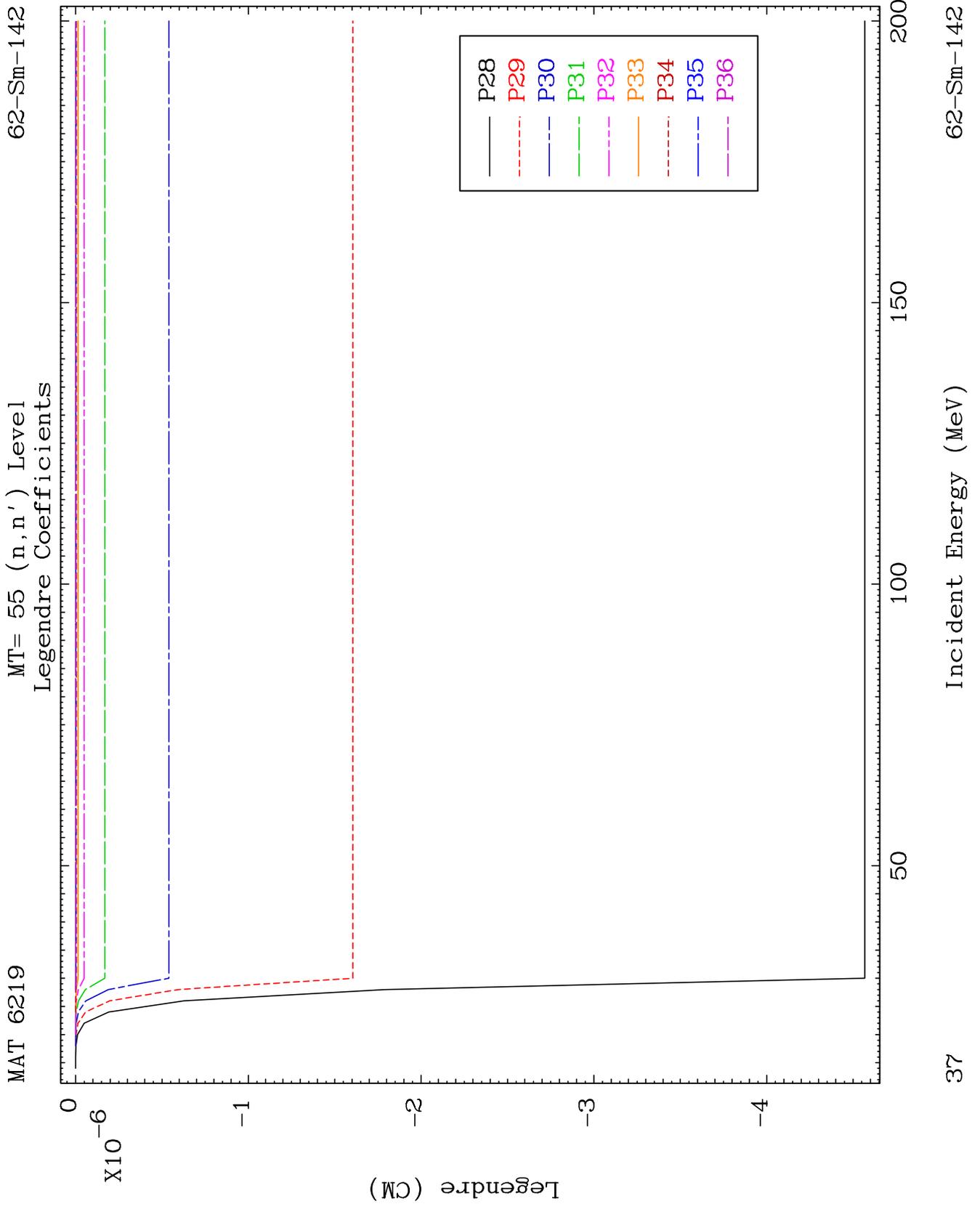
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Incident Energy (MeV)

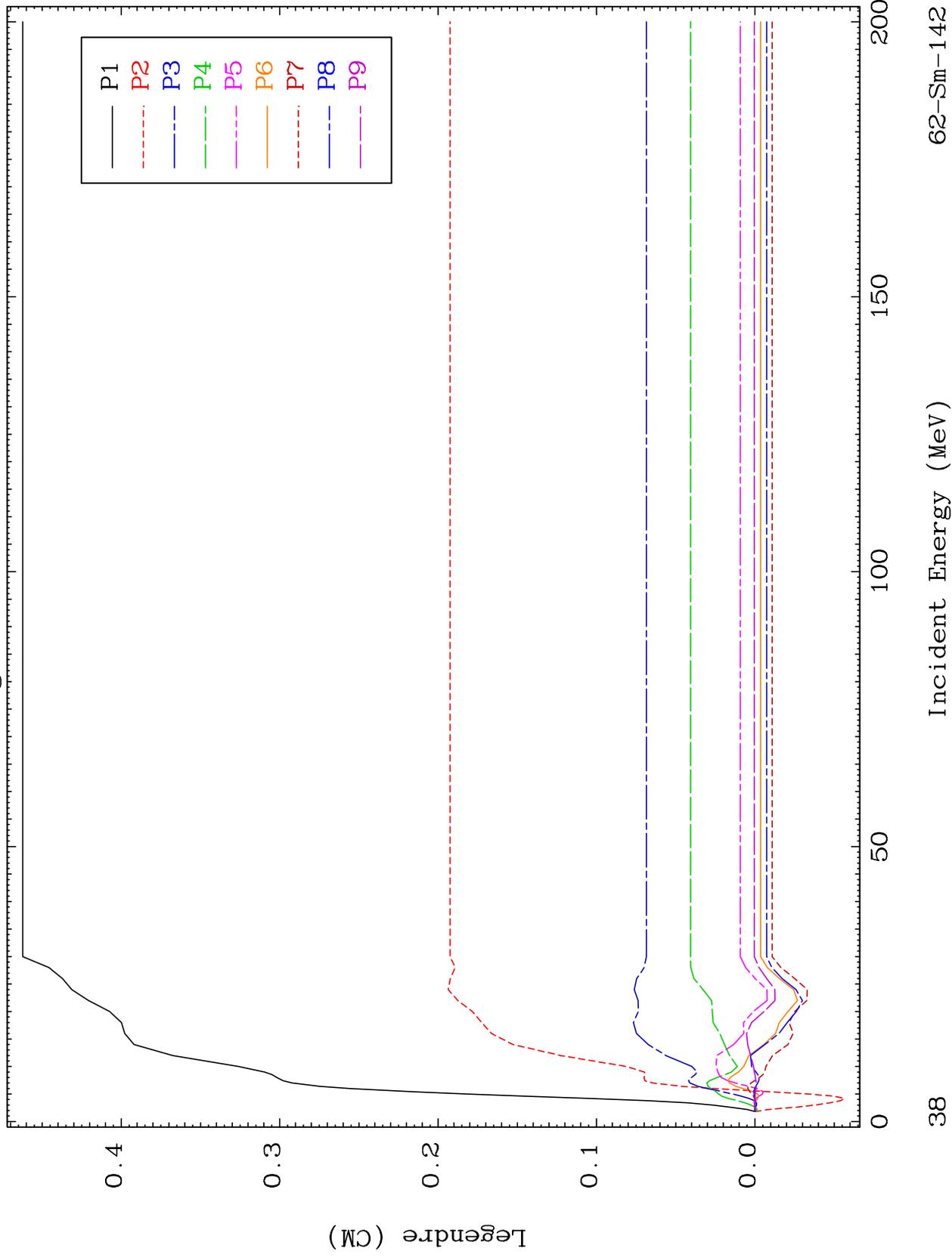
62-Sm-142



MAT 6219

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

62-Sm-142



62-Sm-142

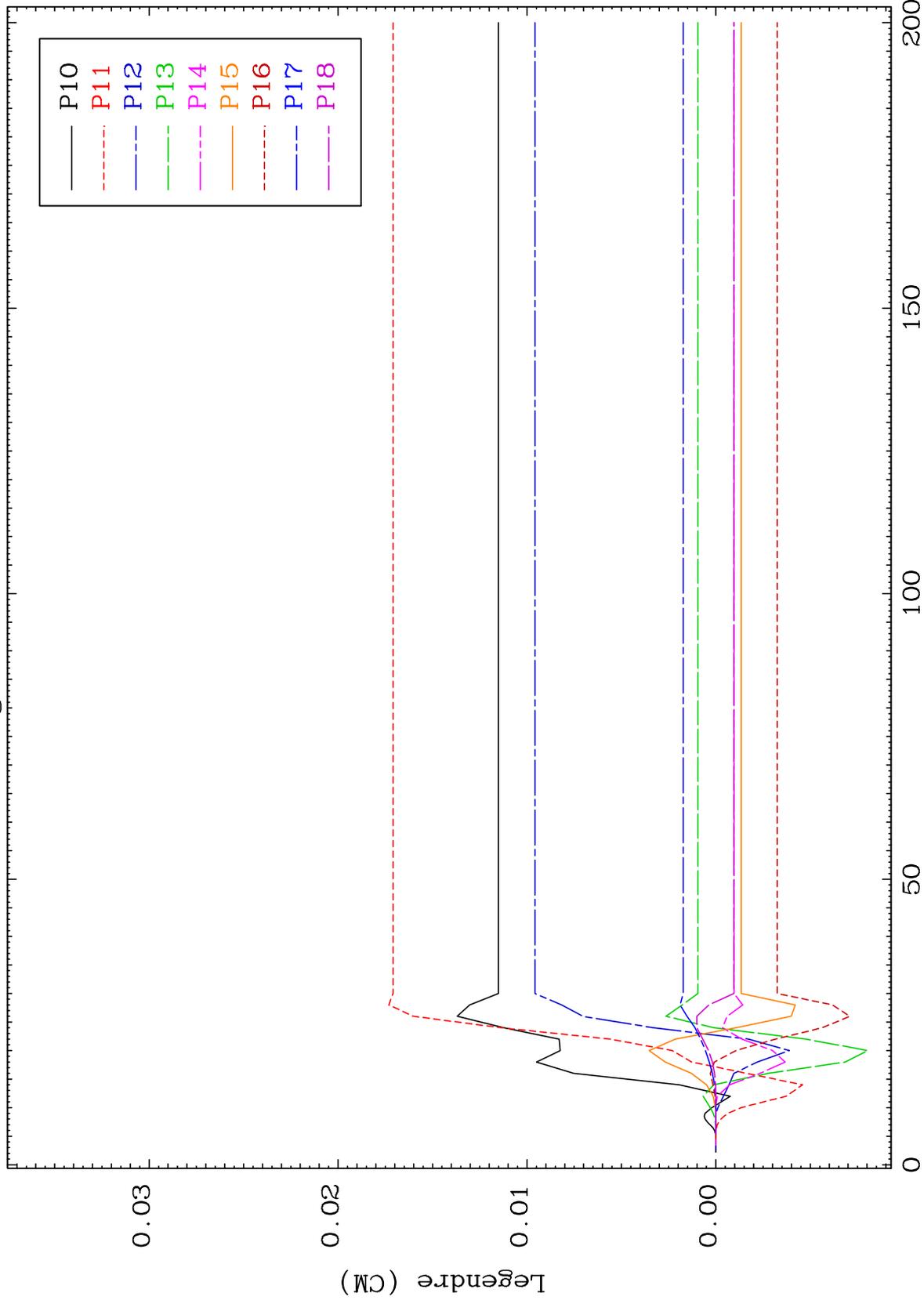
Incident Energy (MeV)

38

MAT 6219

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

62-Sm-142



39

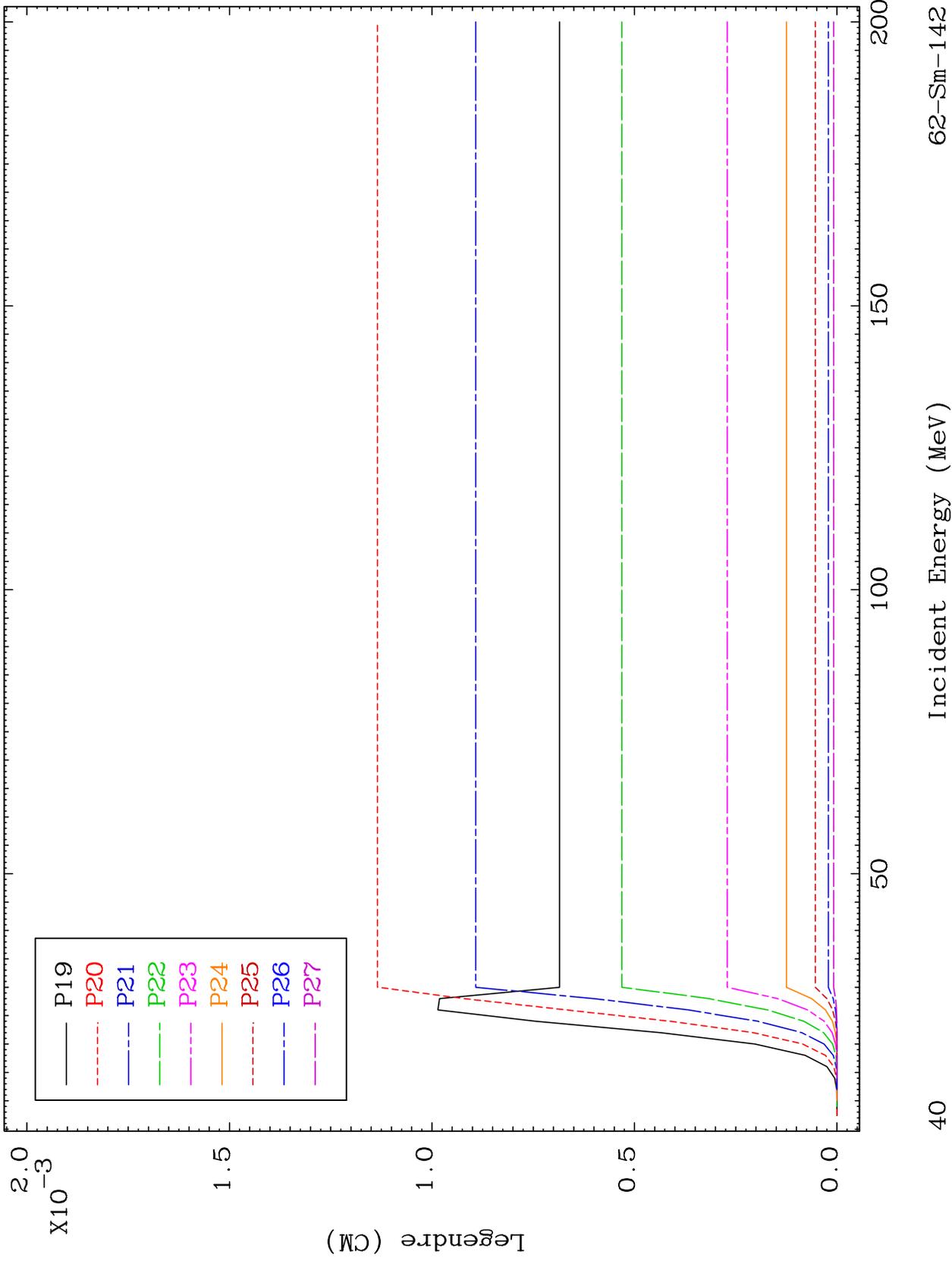
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

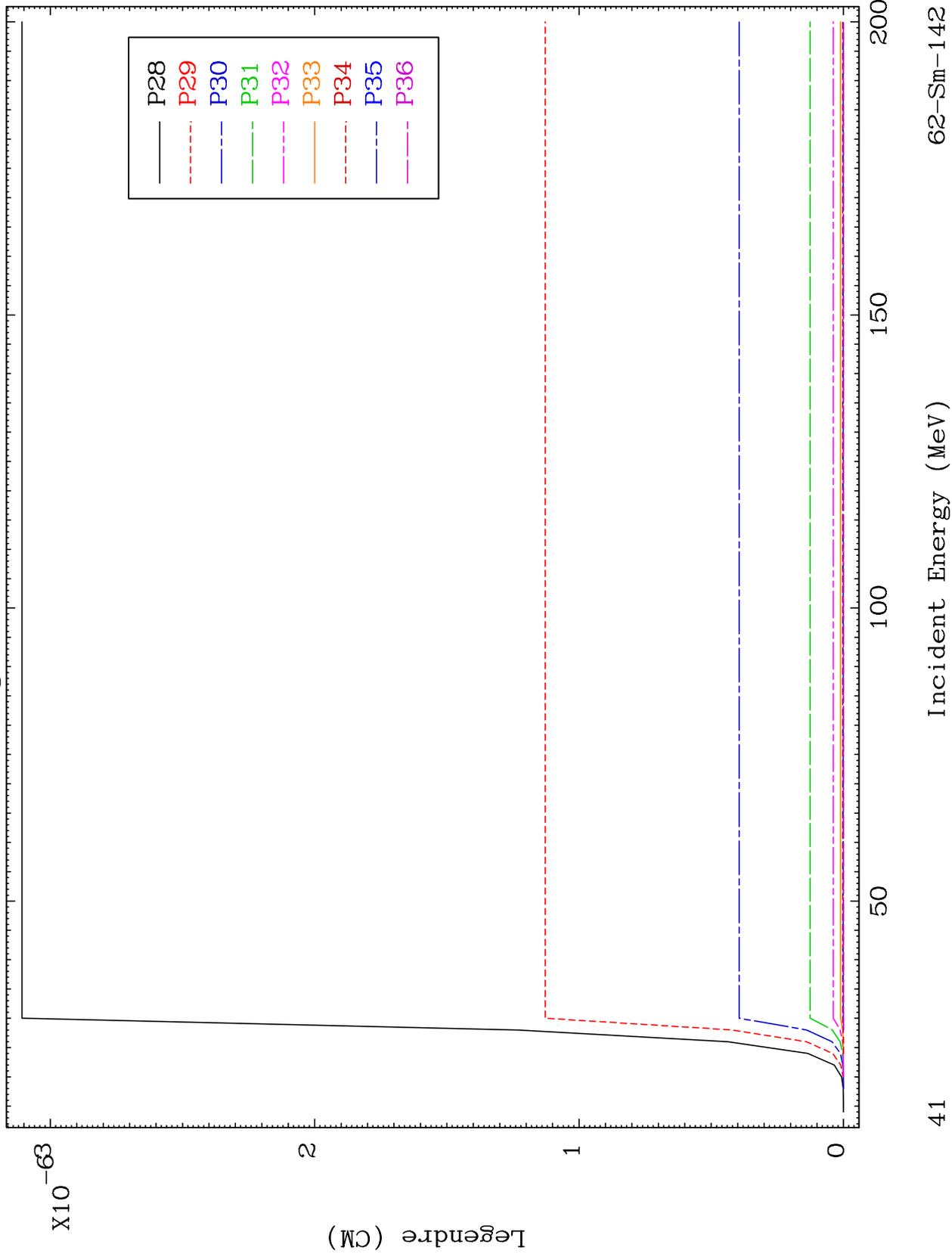
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MAT 6219

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

62-Sm-142



41

Incident Energy (MeV)

62-Sm-142

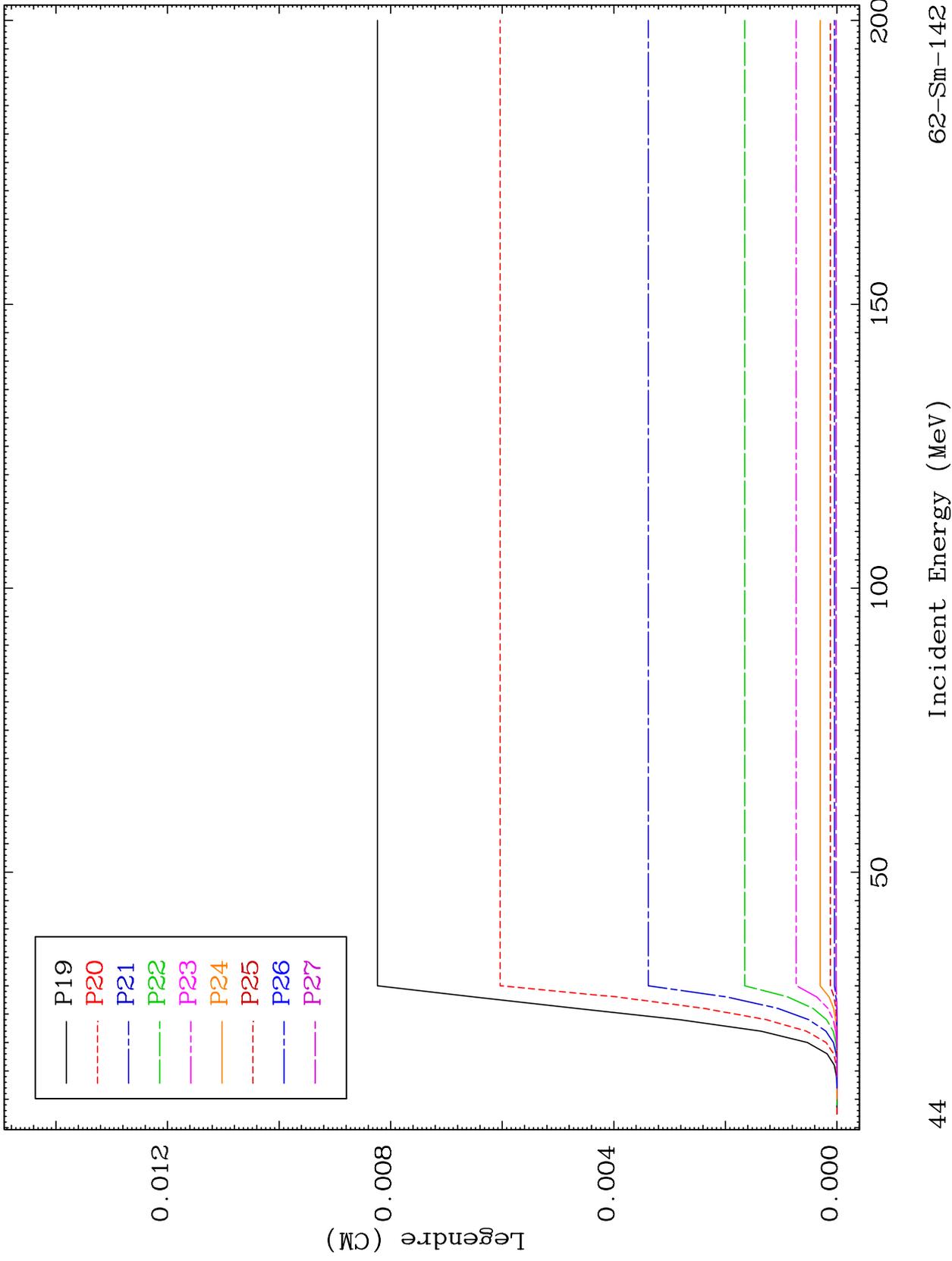




MAT 6219

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

62-Sm-142



44

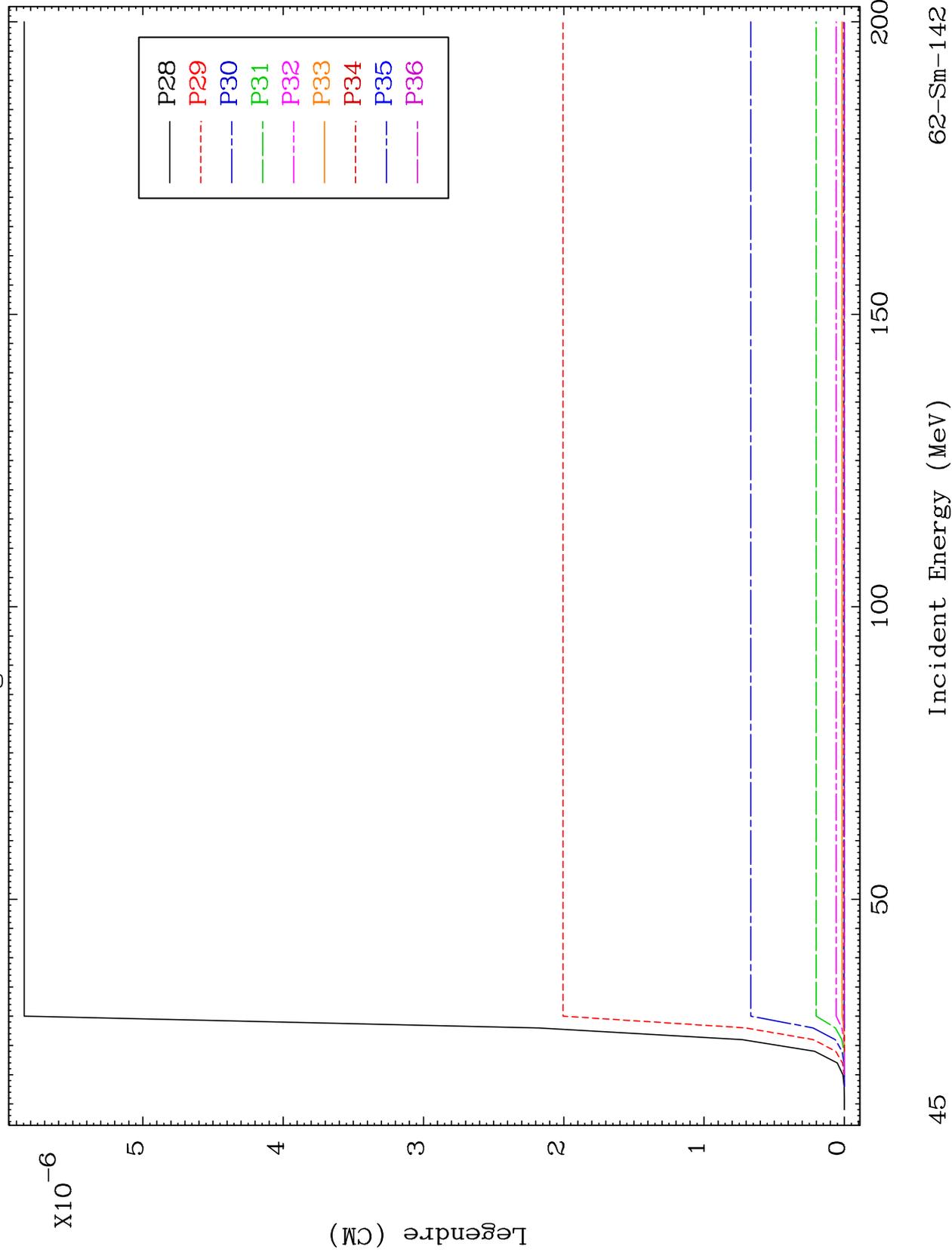
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

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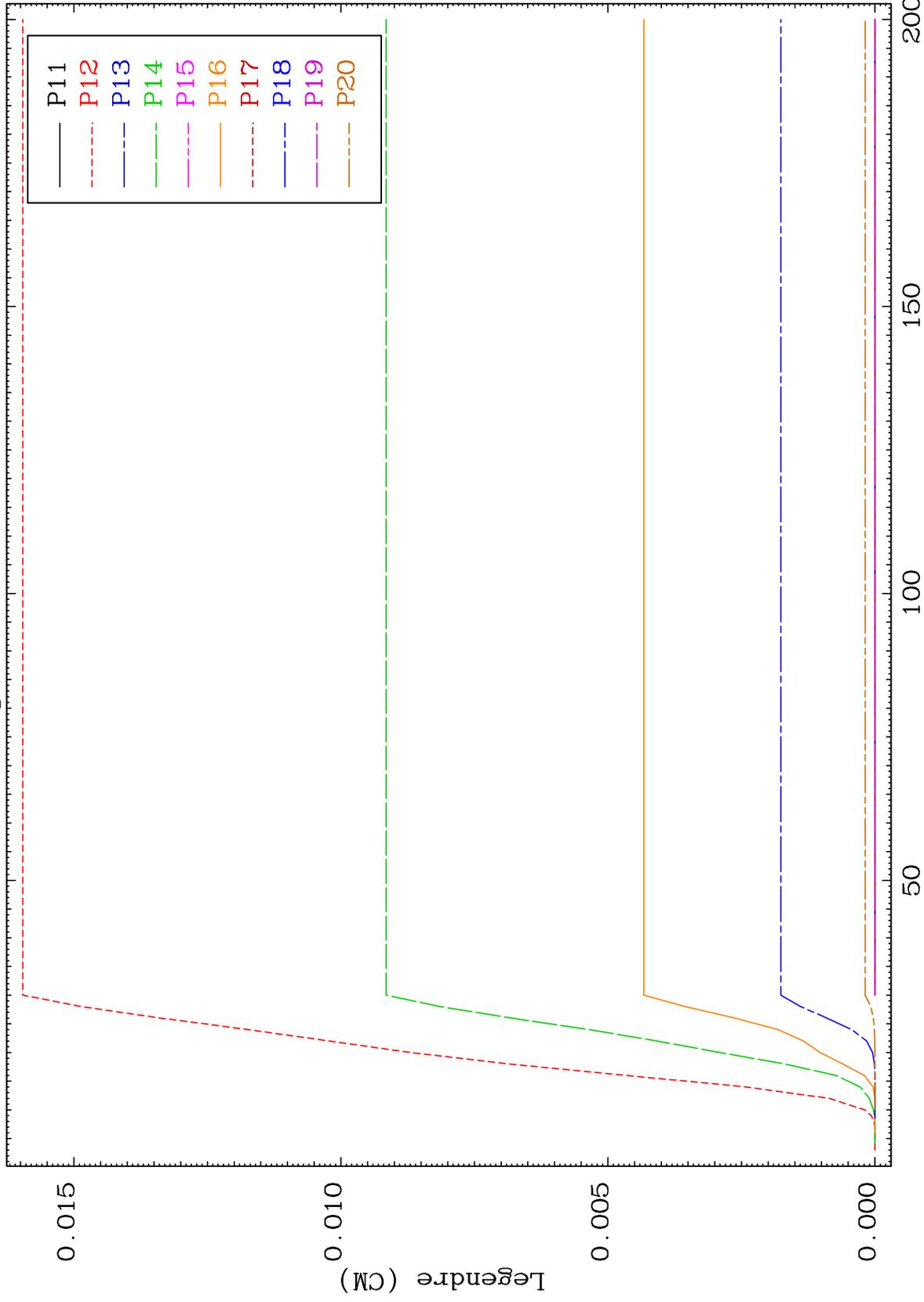




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MT= 58 (n,n') Level  
Legendre Coefficients

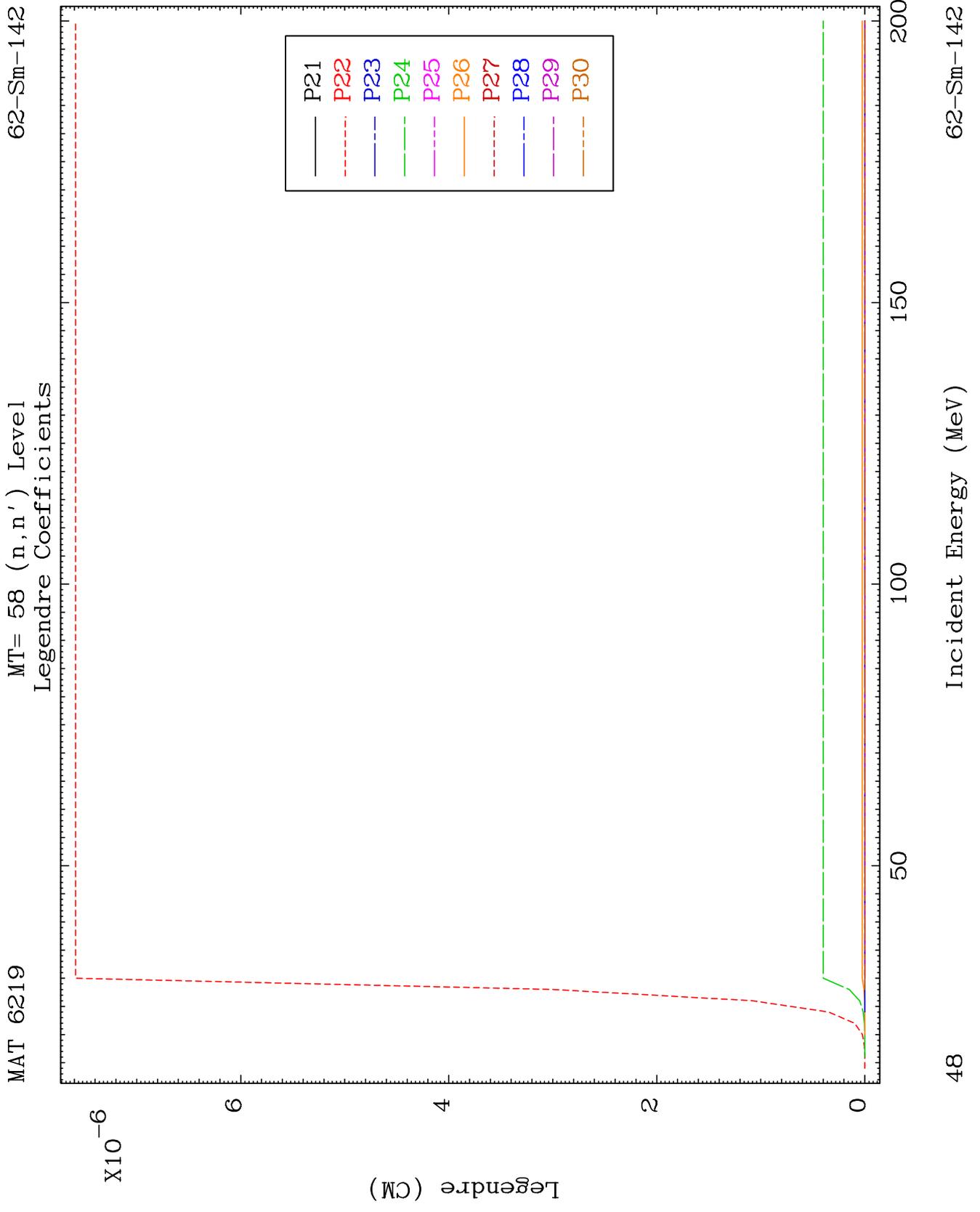
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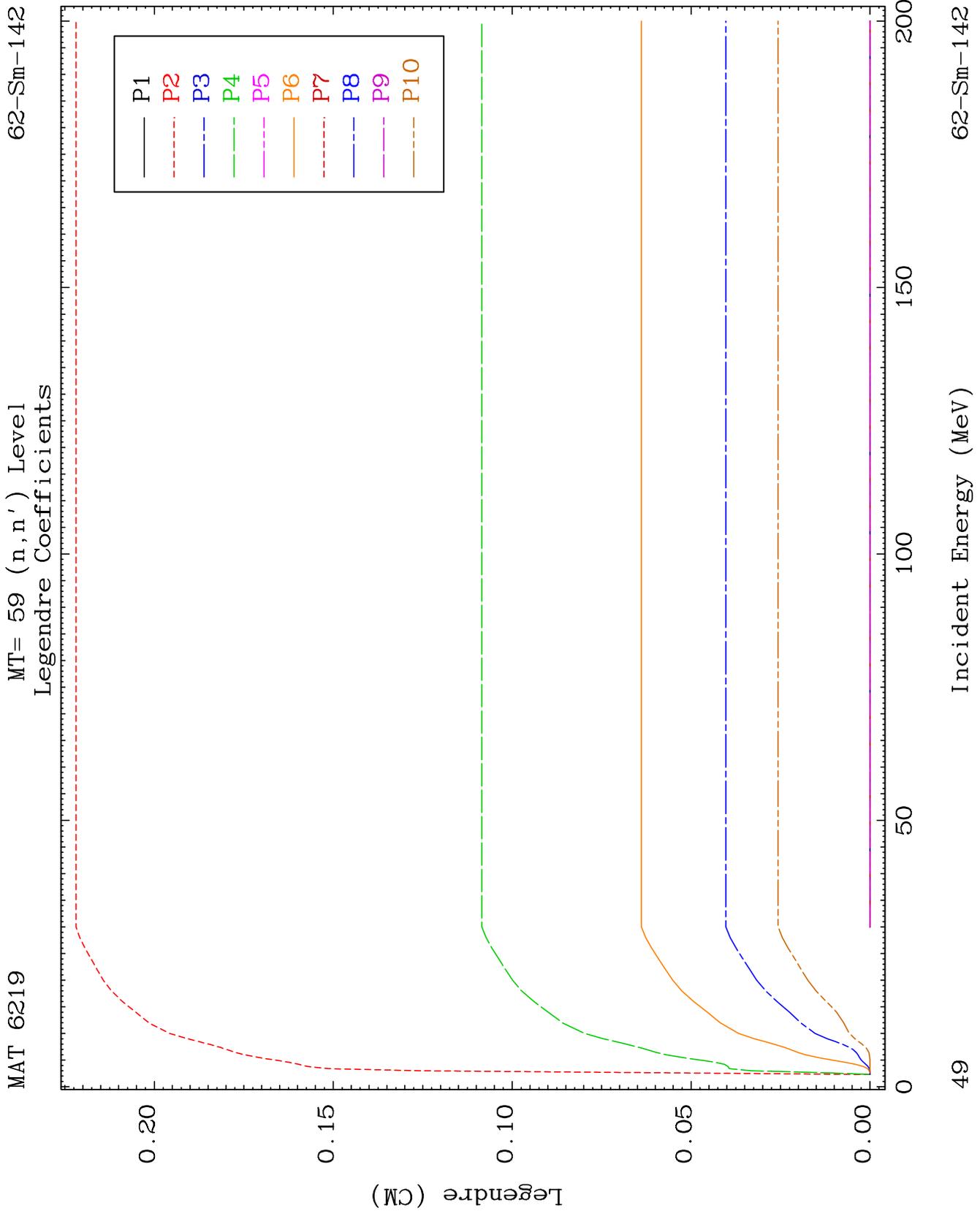


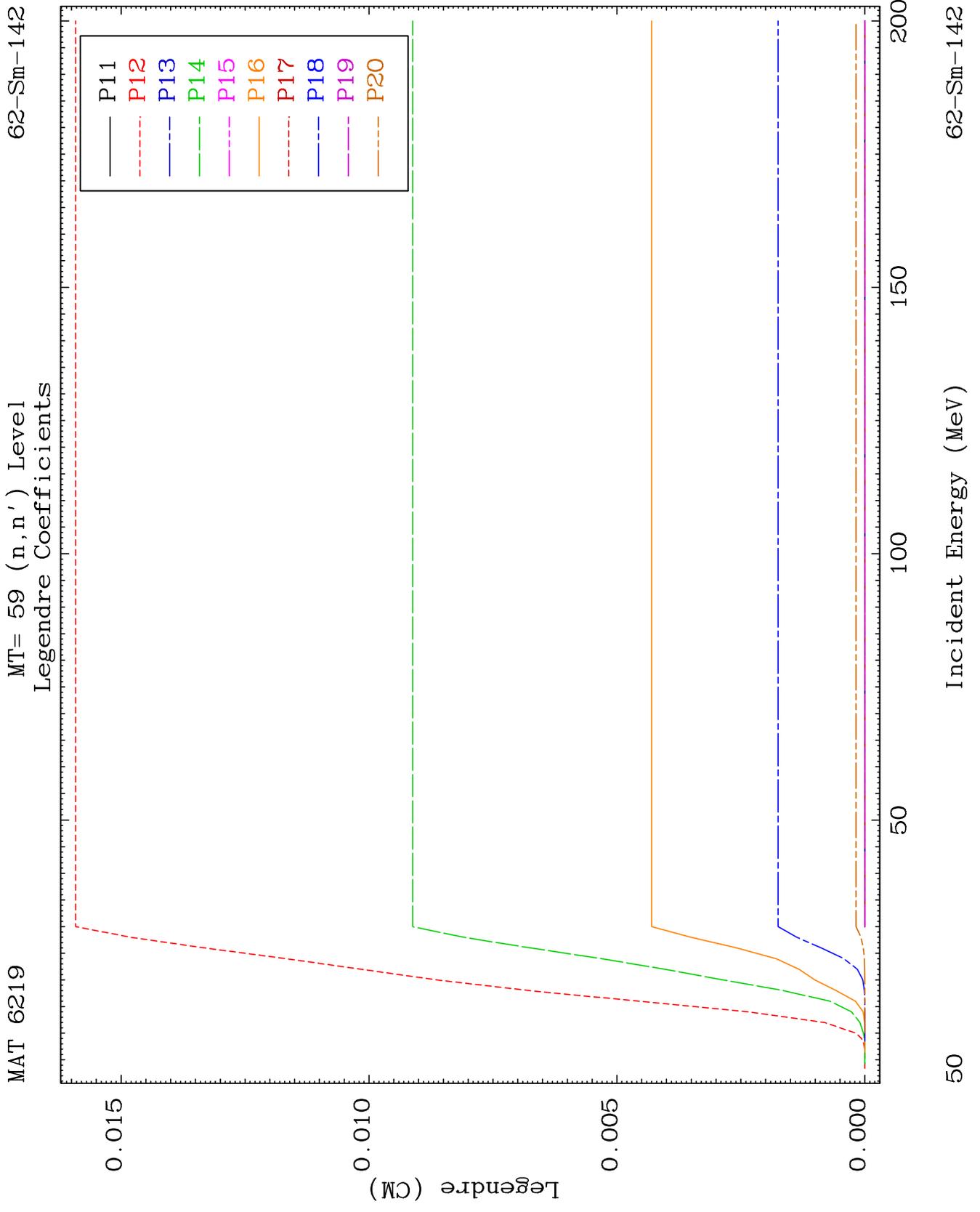
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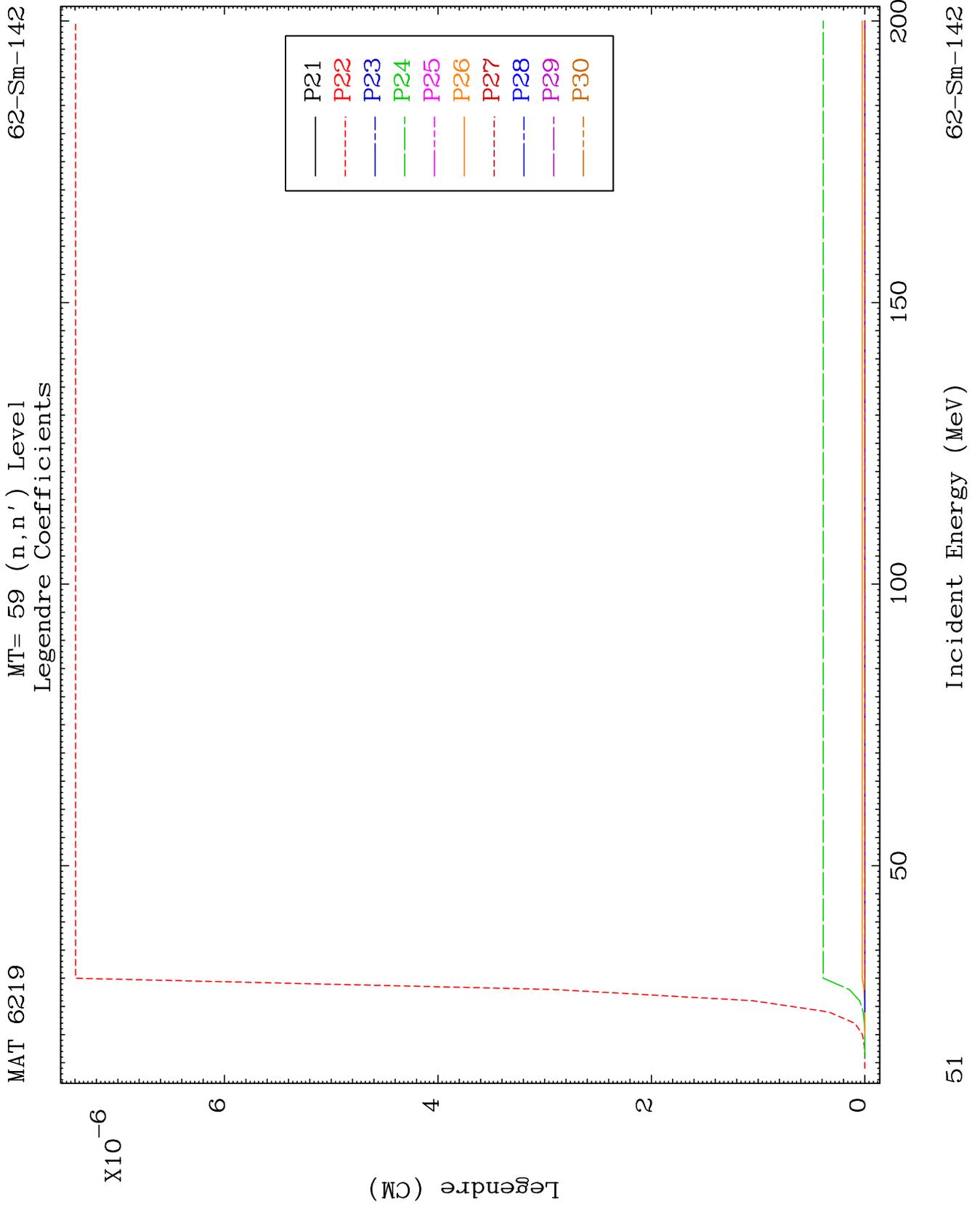
Incident Energy (MeV)

62-Sm-142





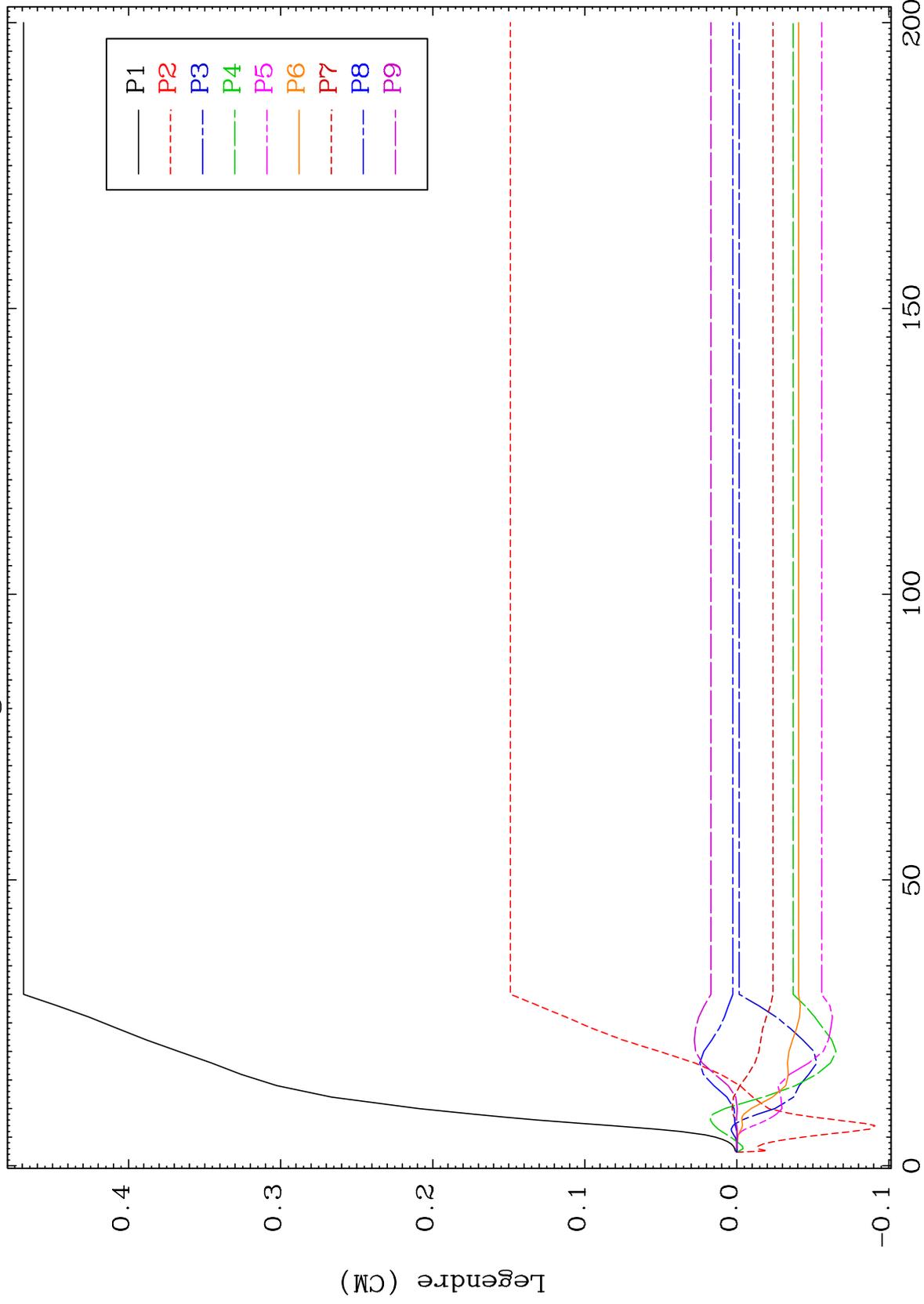




MAT 6219

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

62-Sm-142



52

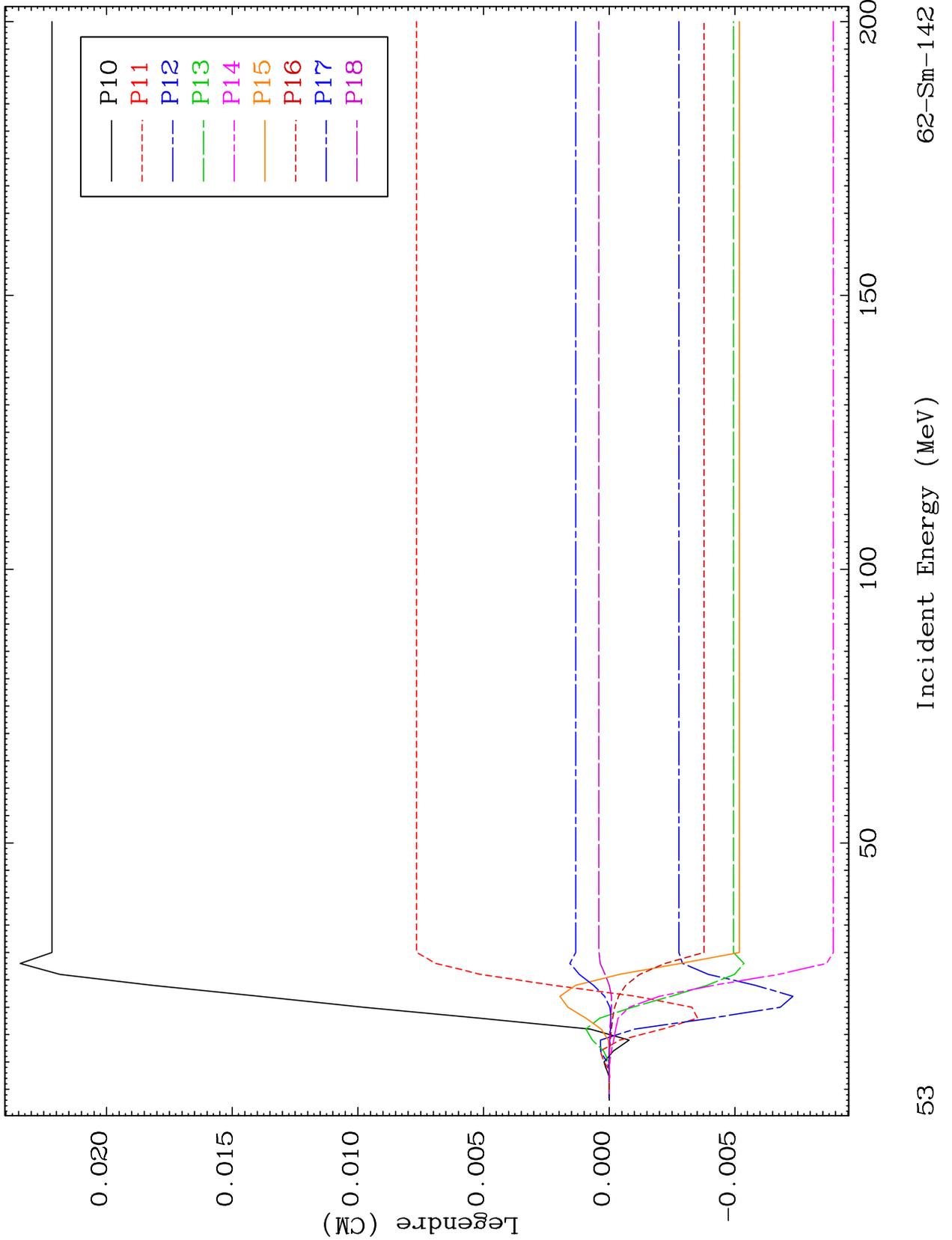
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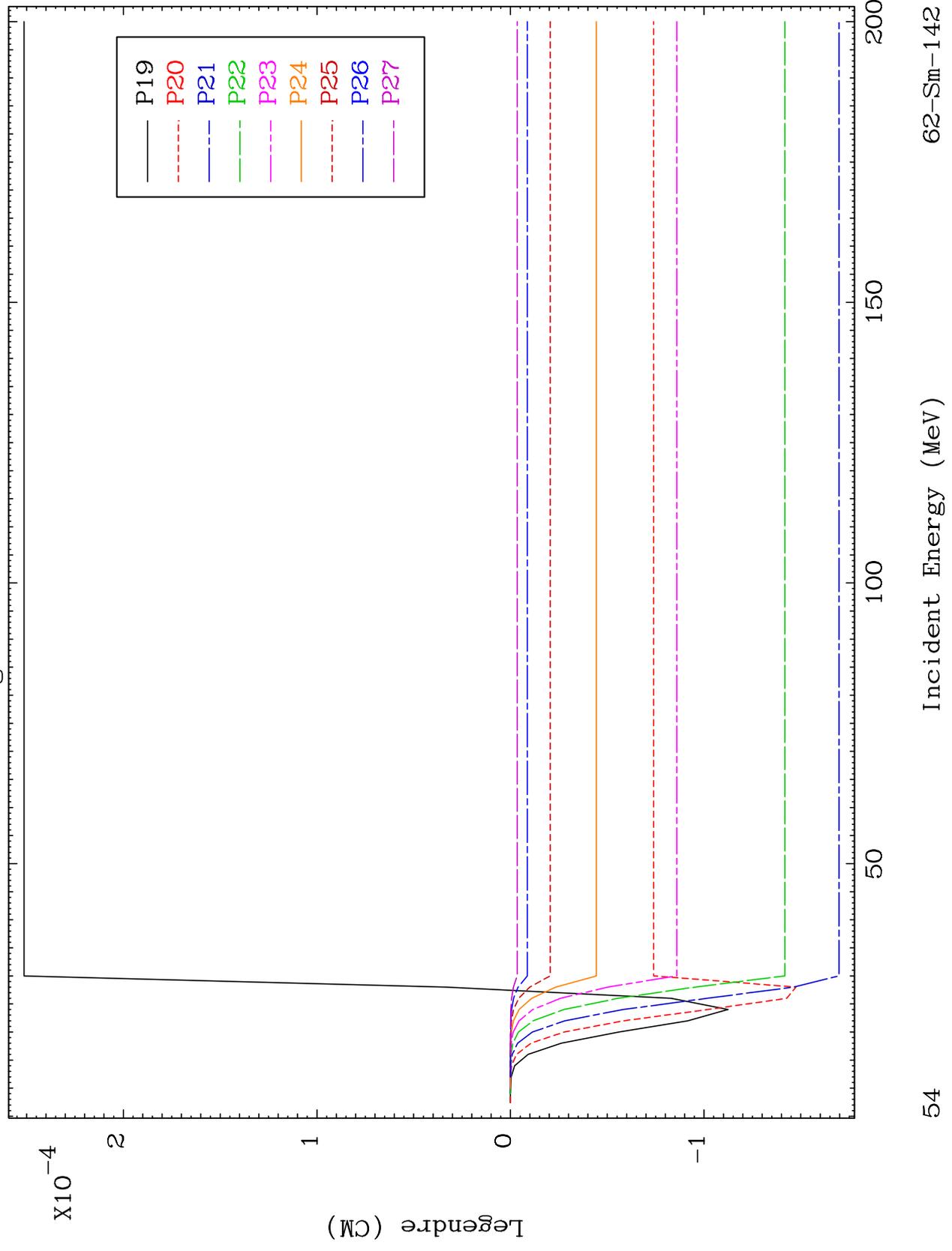
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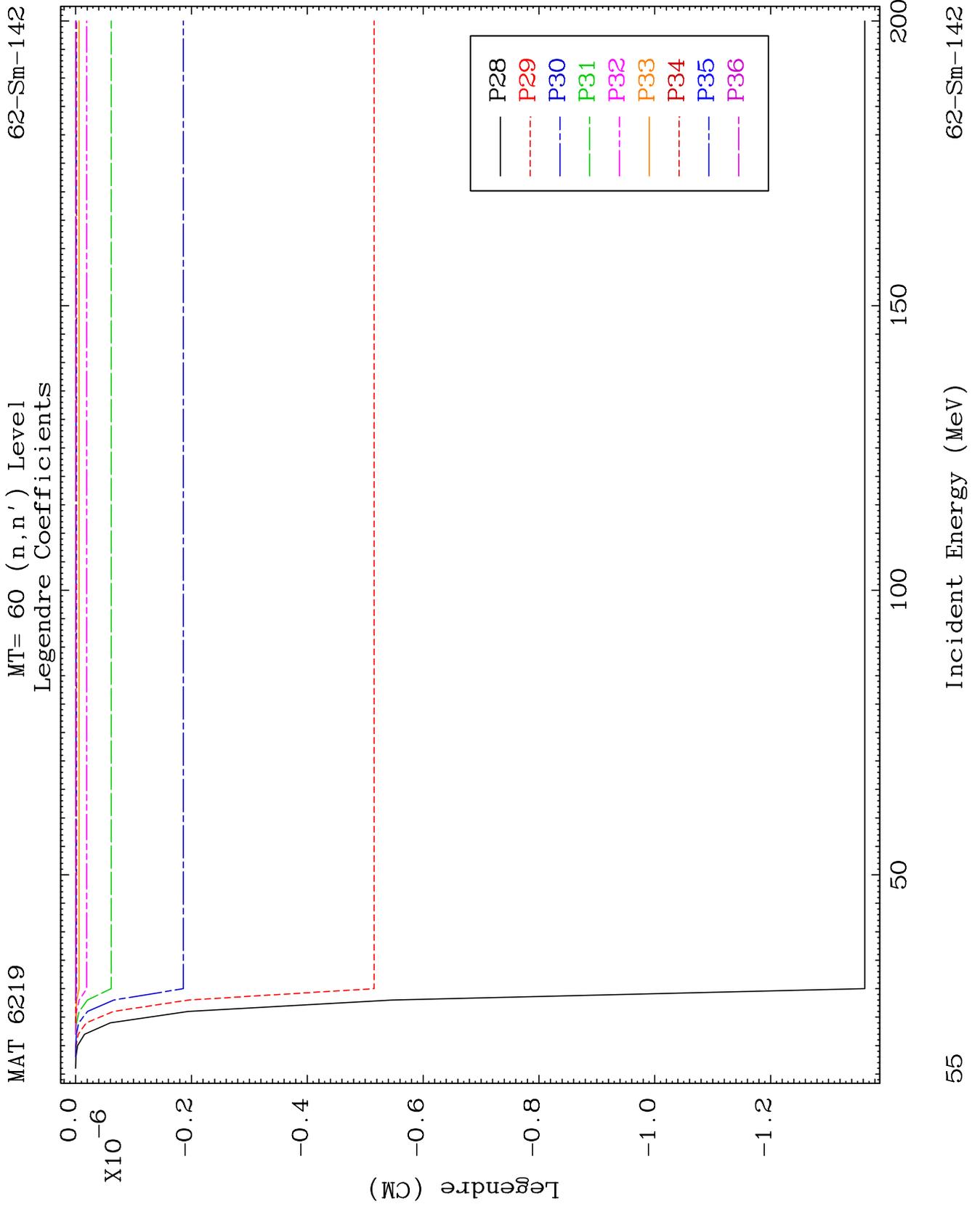
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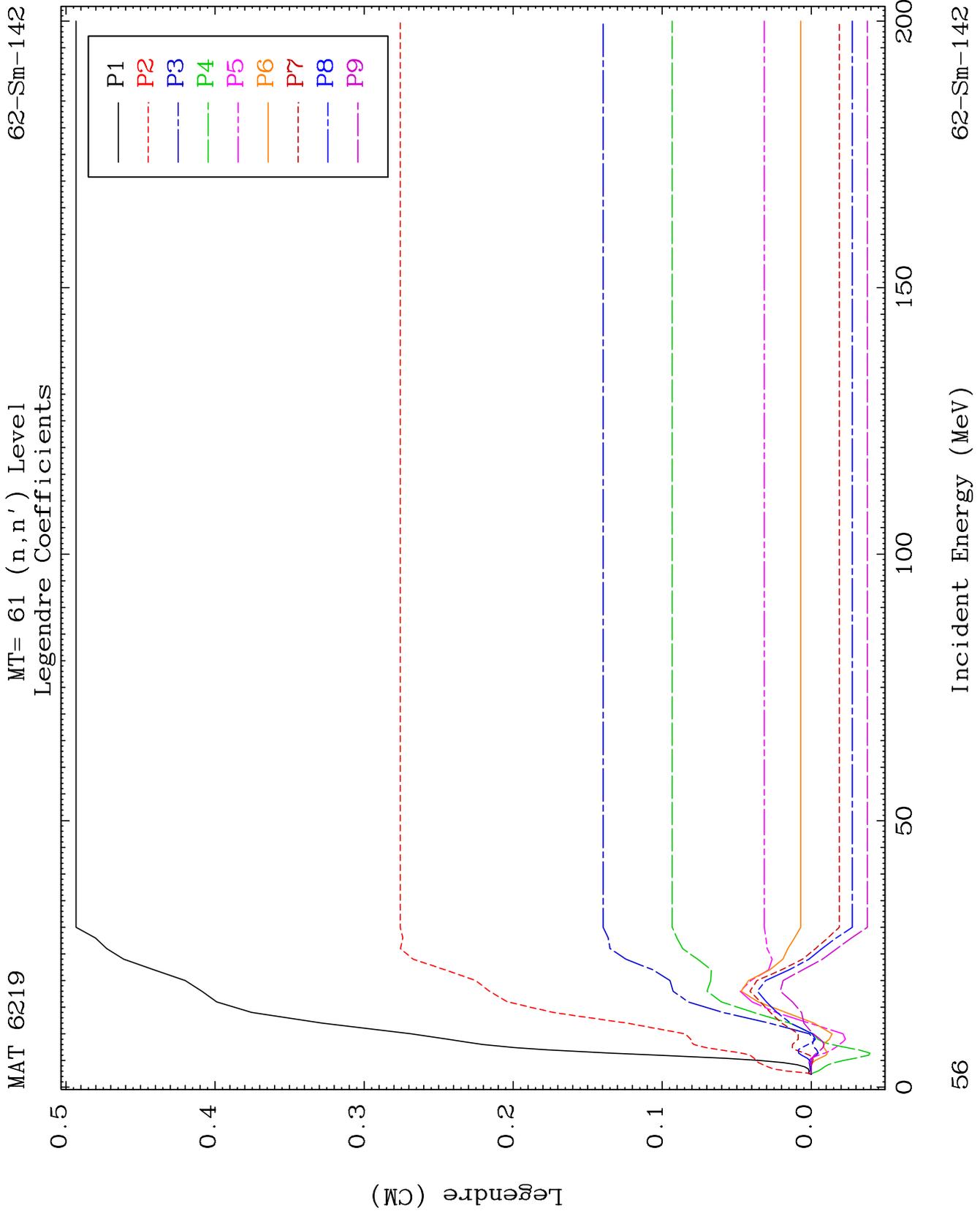
MT= 60 (n,n') Level  
Legendre Coefficients

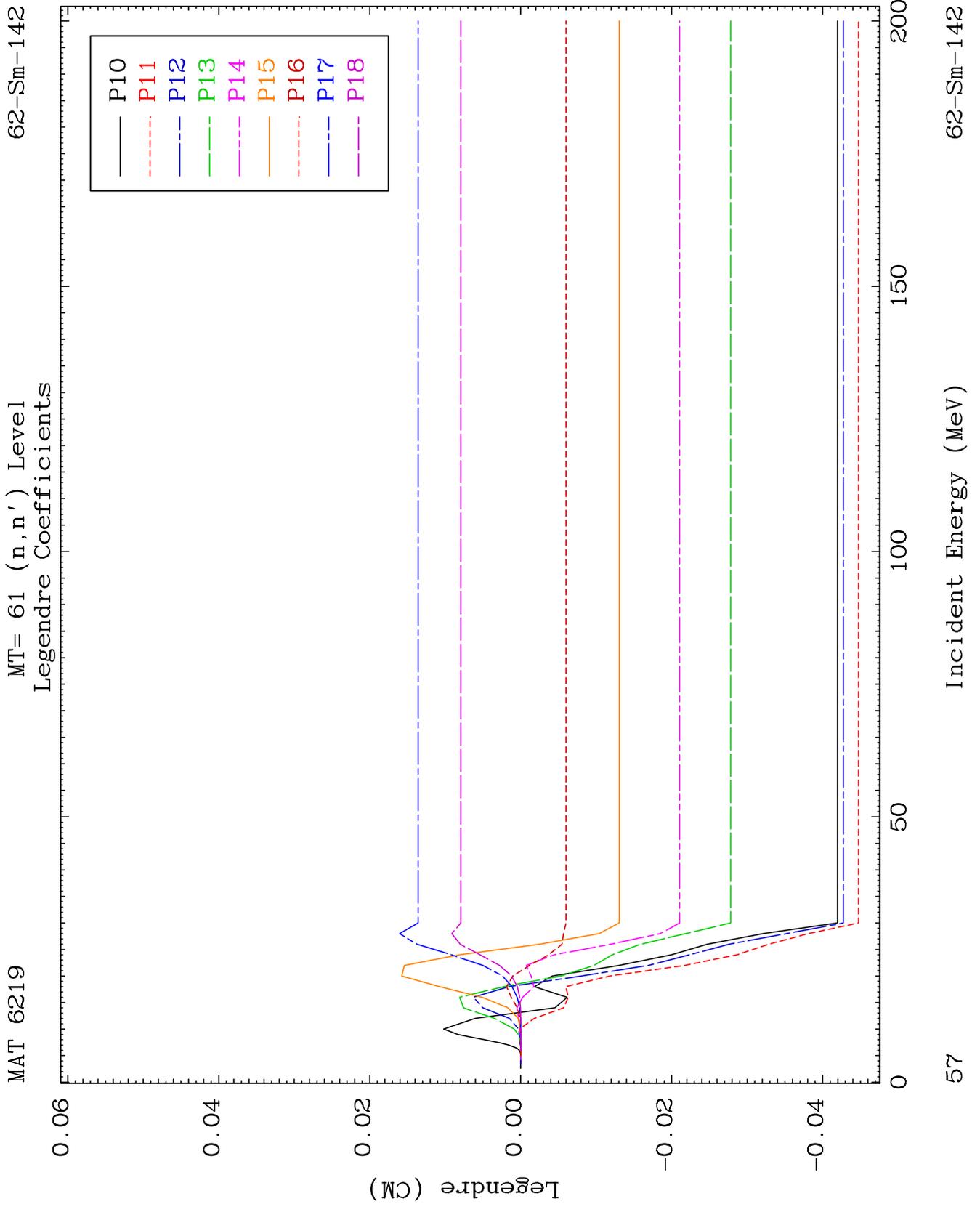
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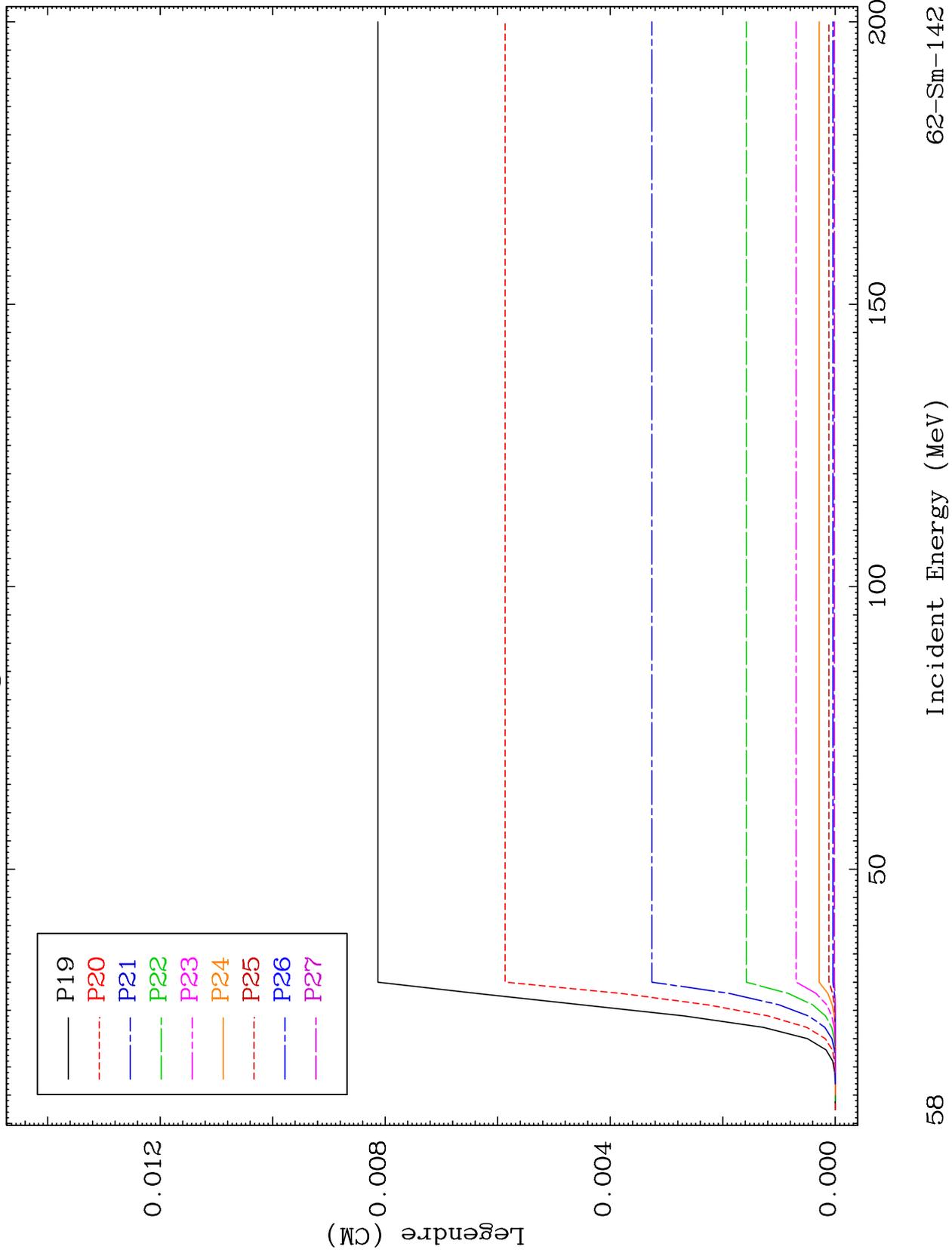




MAT 6219

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

62-Sm-142



58

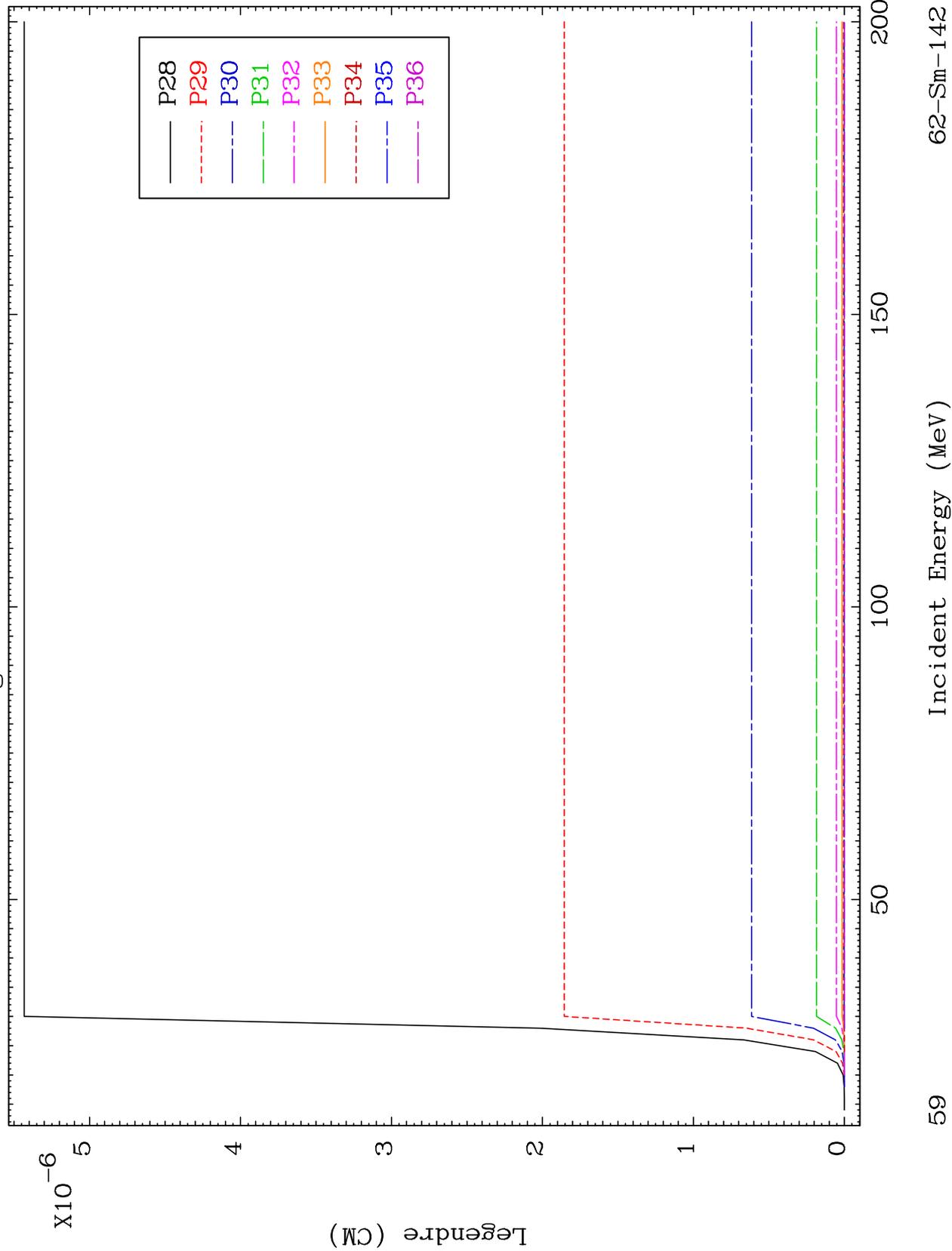
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



59

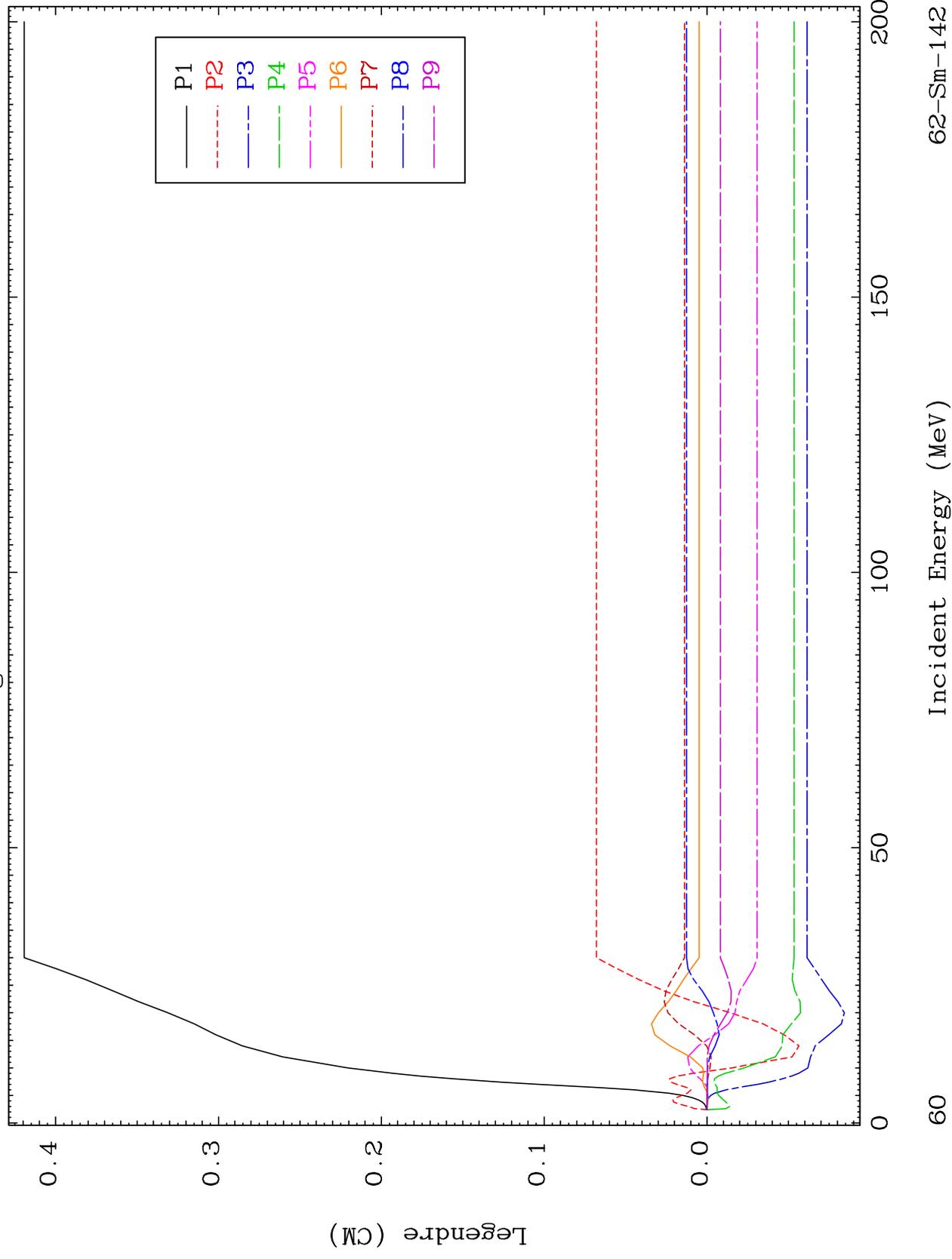
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



62-Sm-142

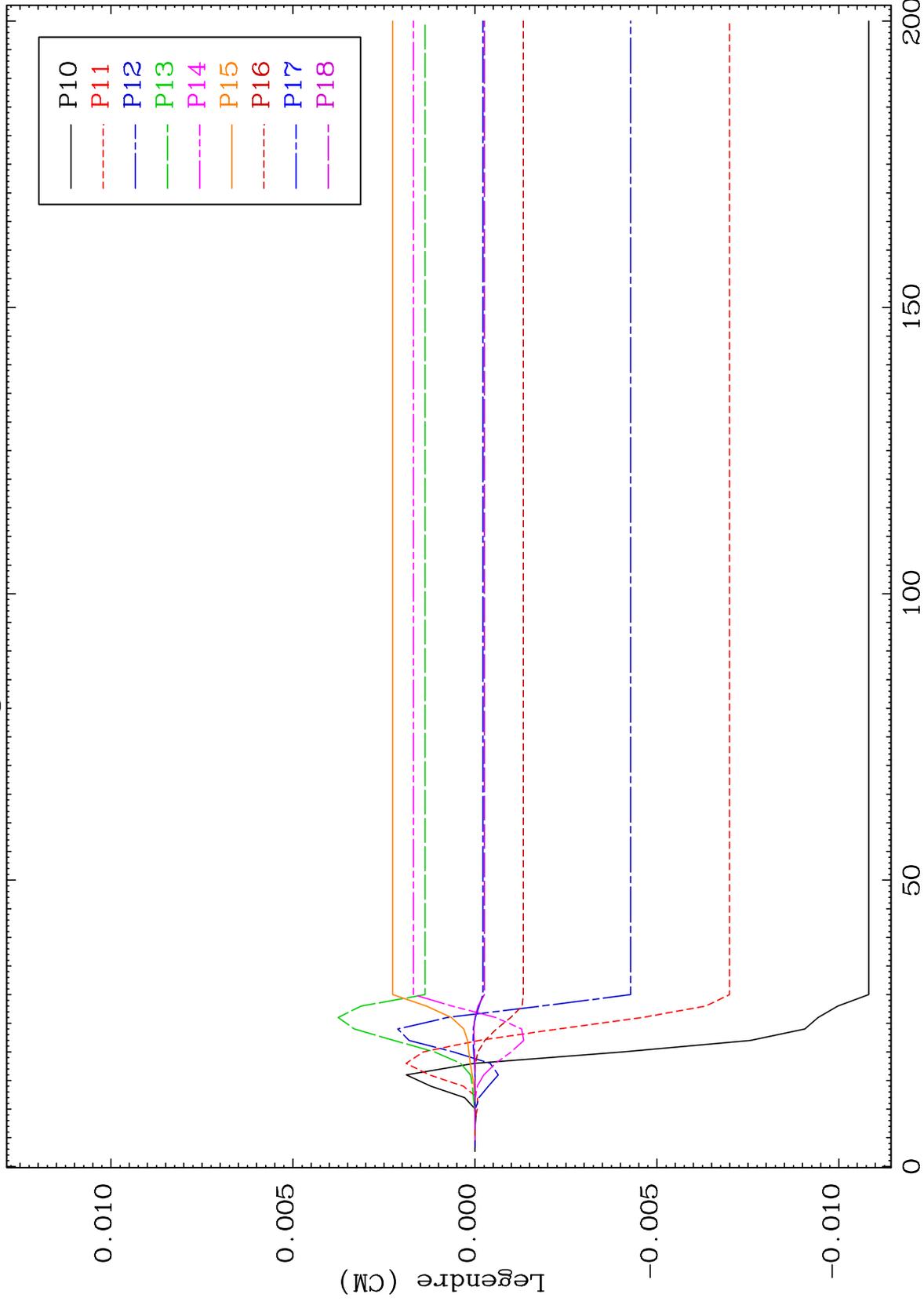
Incident Energy (MeV)

60

MAT 6219

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

62-Sm-142



61

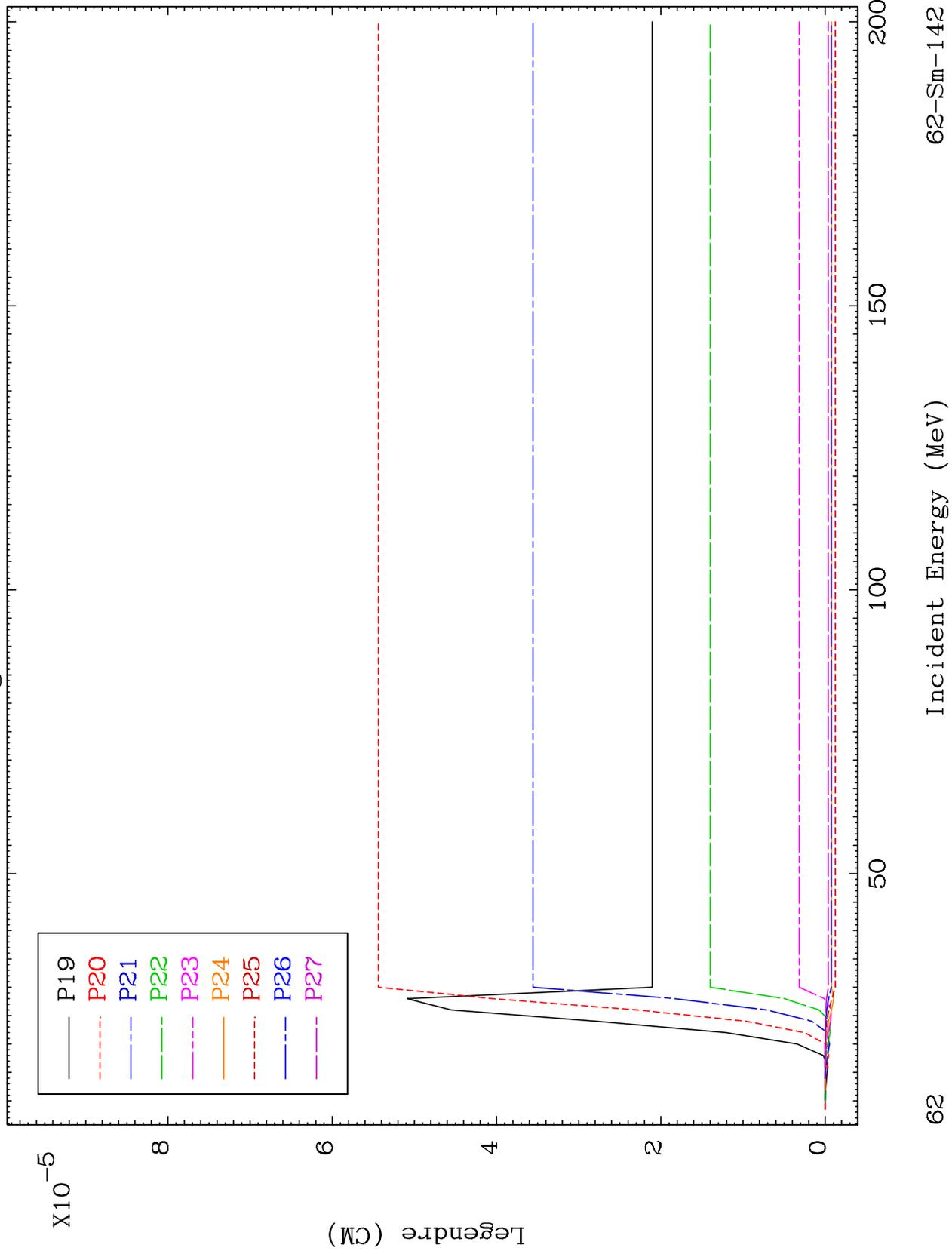
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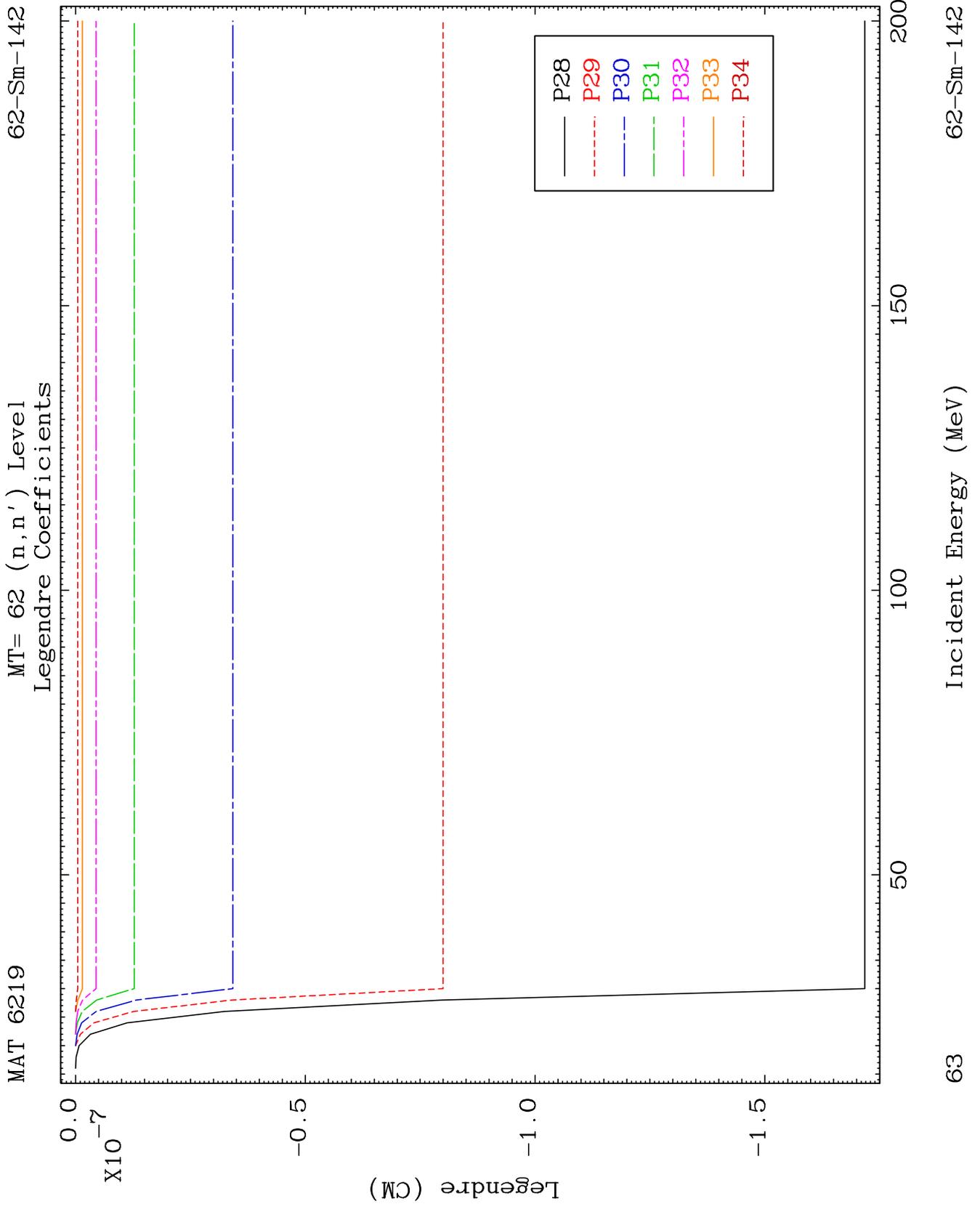
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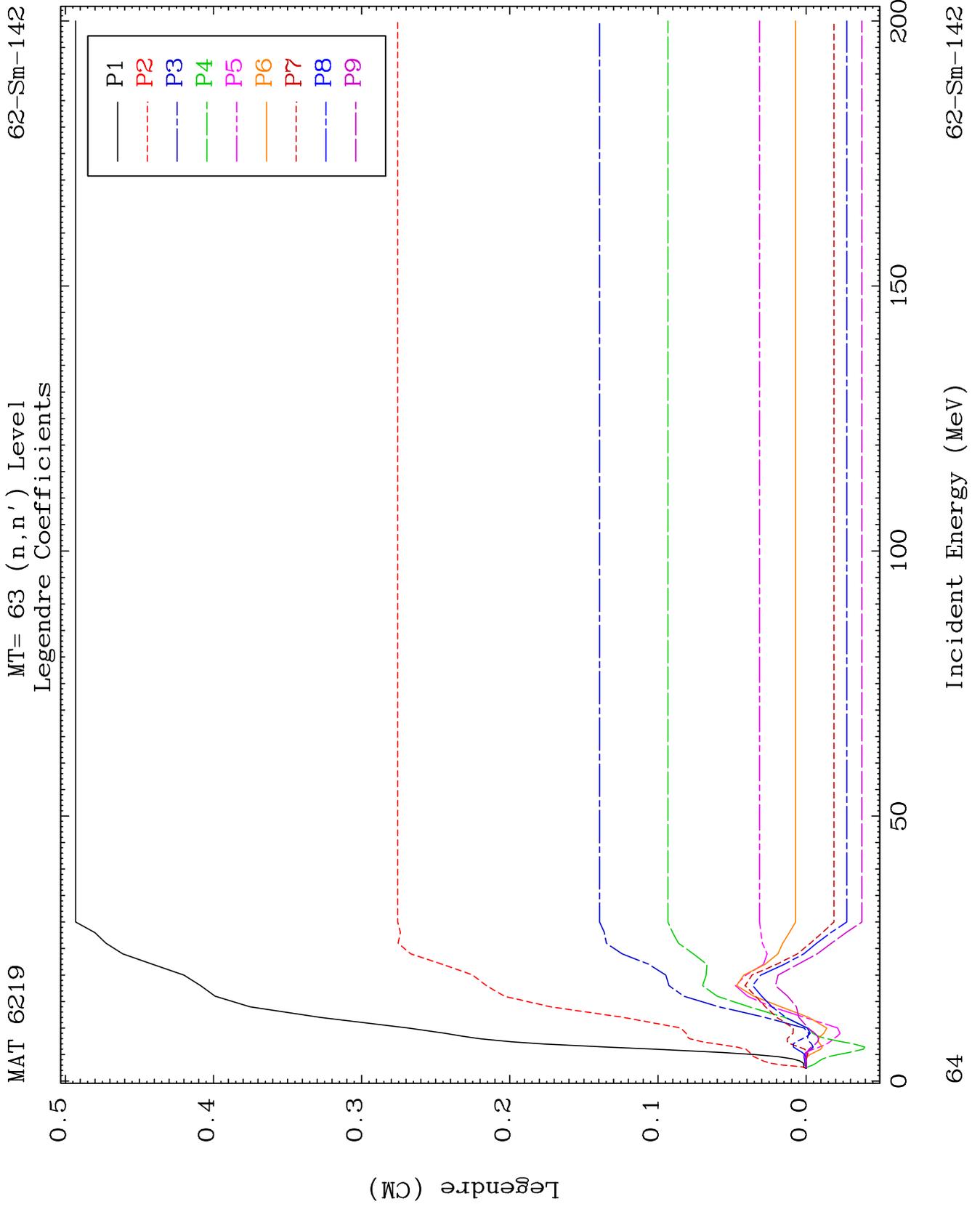
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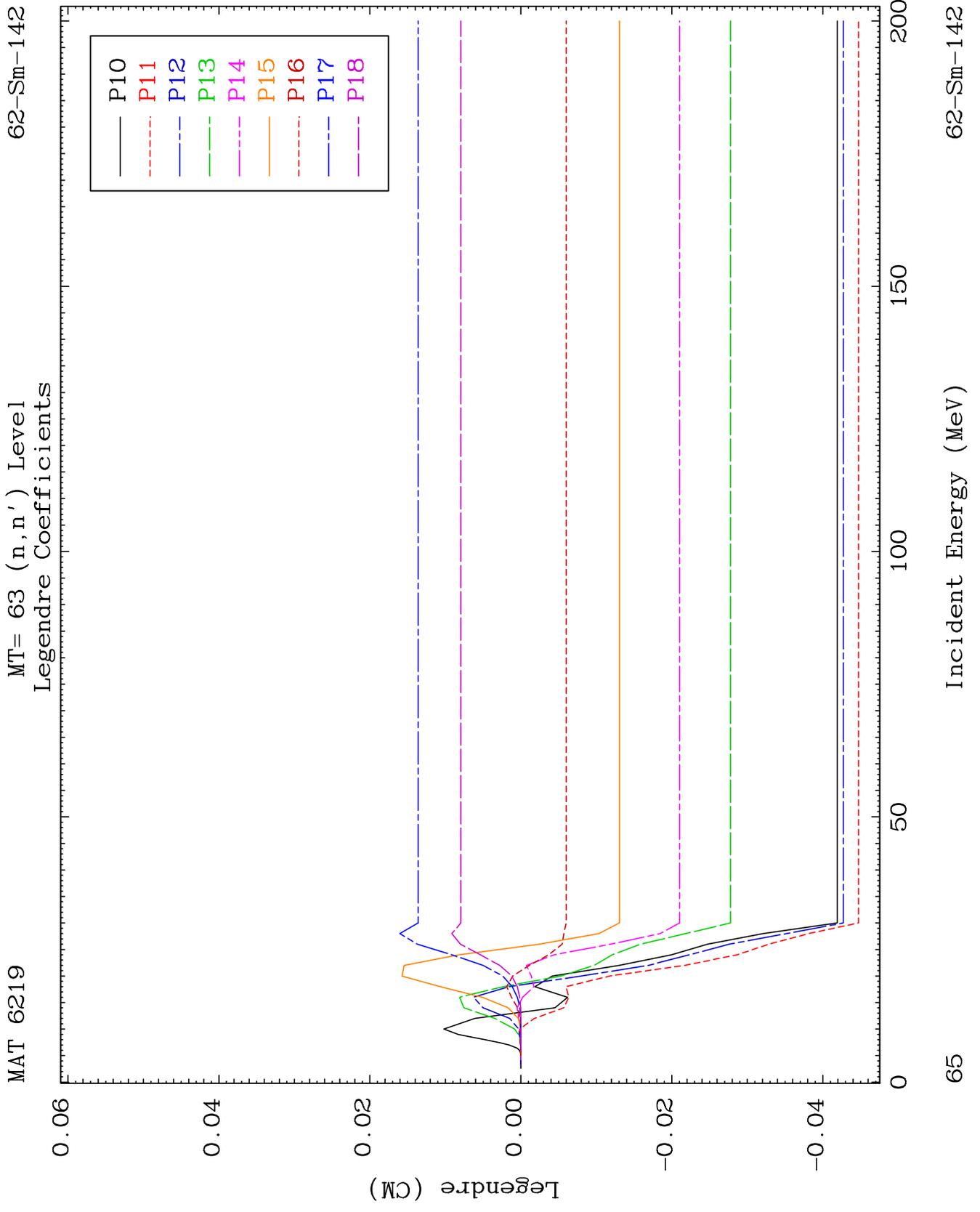
MT= 62 (n,n') Level  
Legendre Coefficients

62-Sm-142





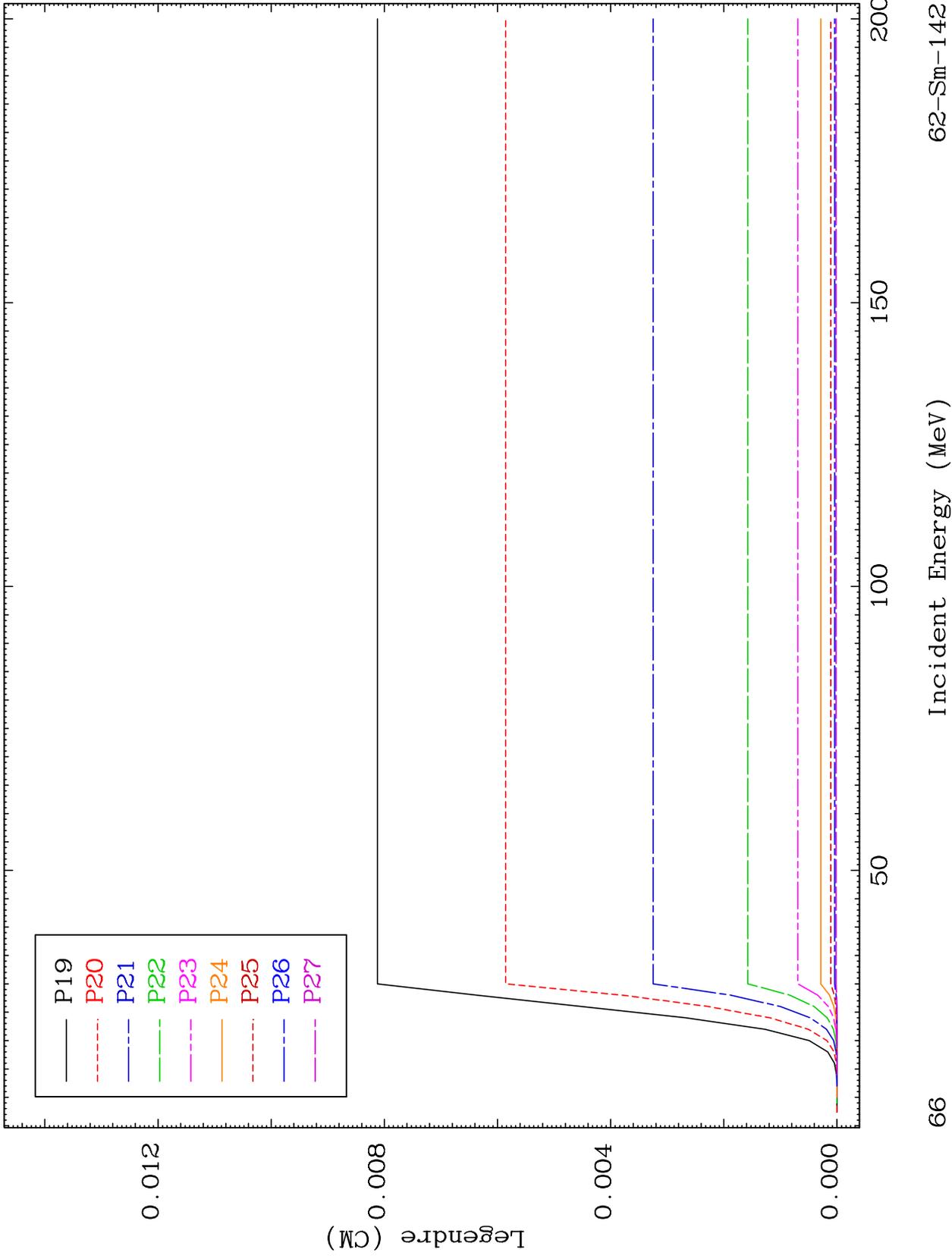




MAT 6219

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

62-Sm-142



66

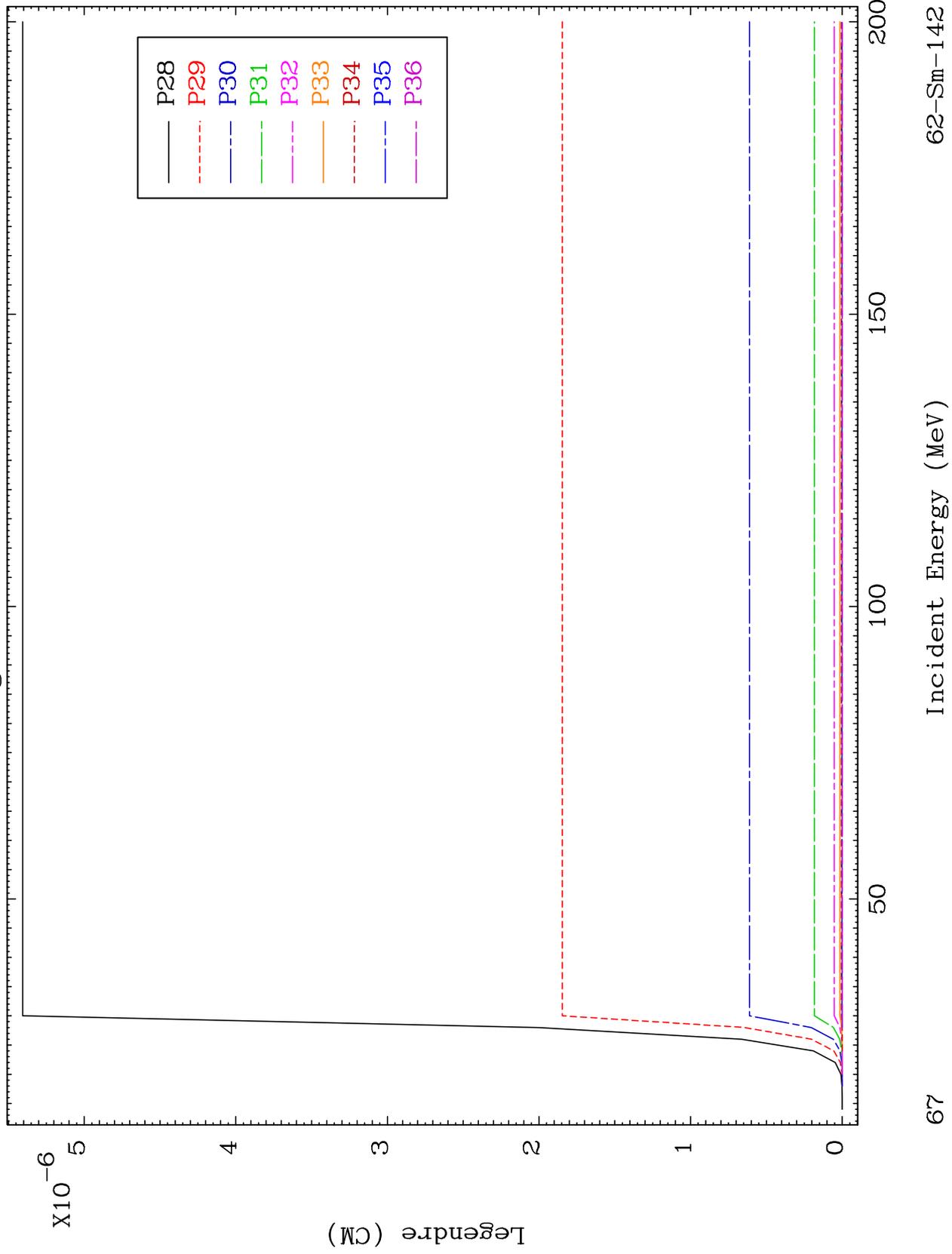
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142

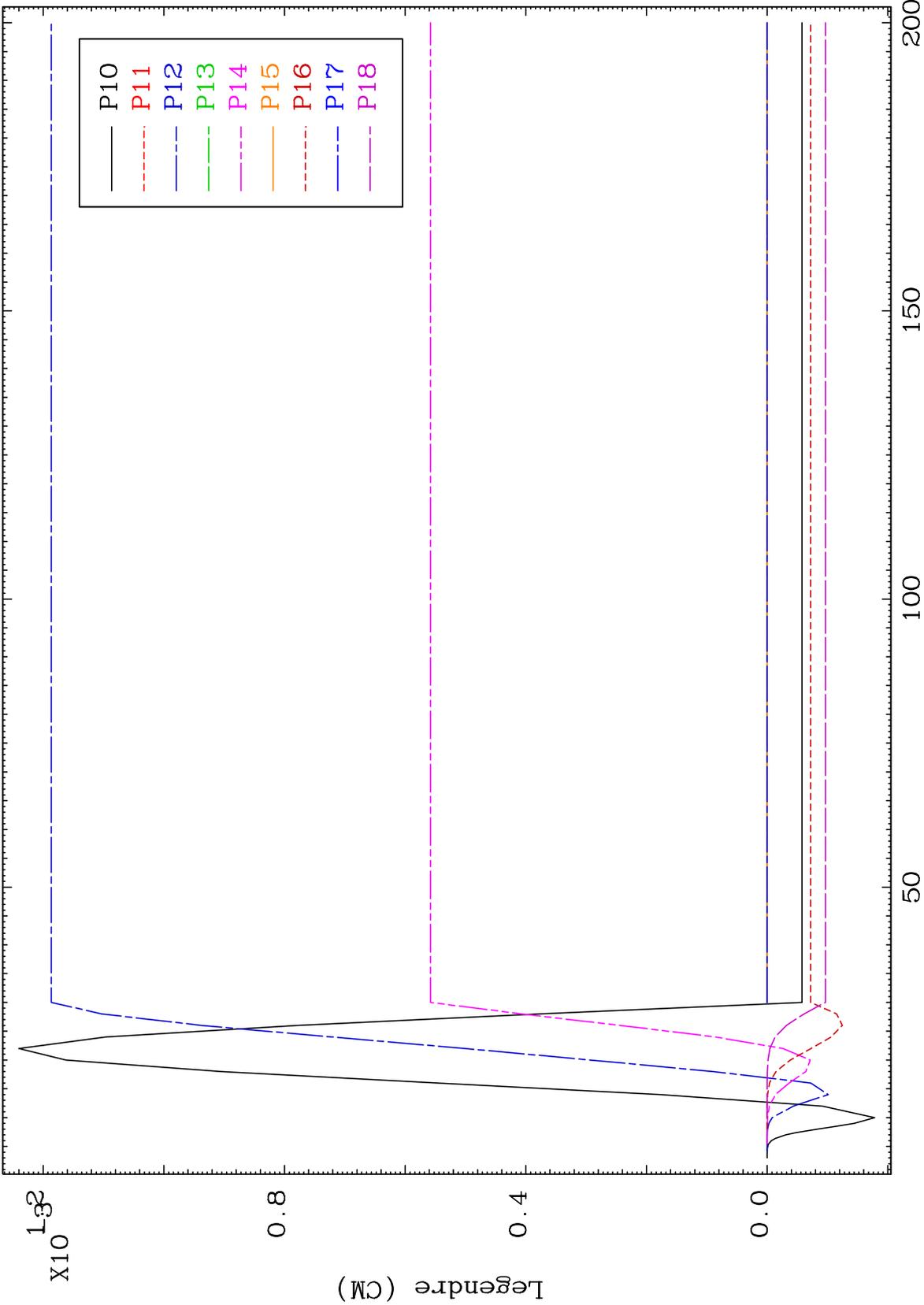




MAT 6219

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

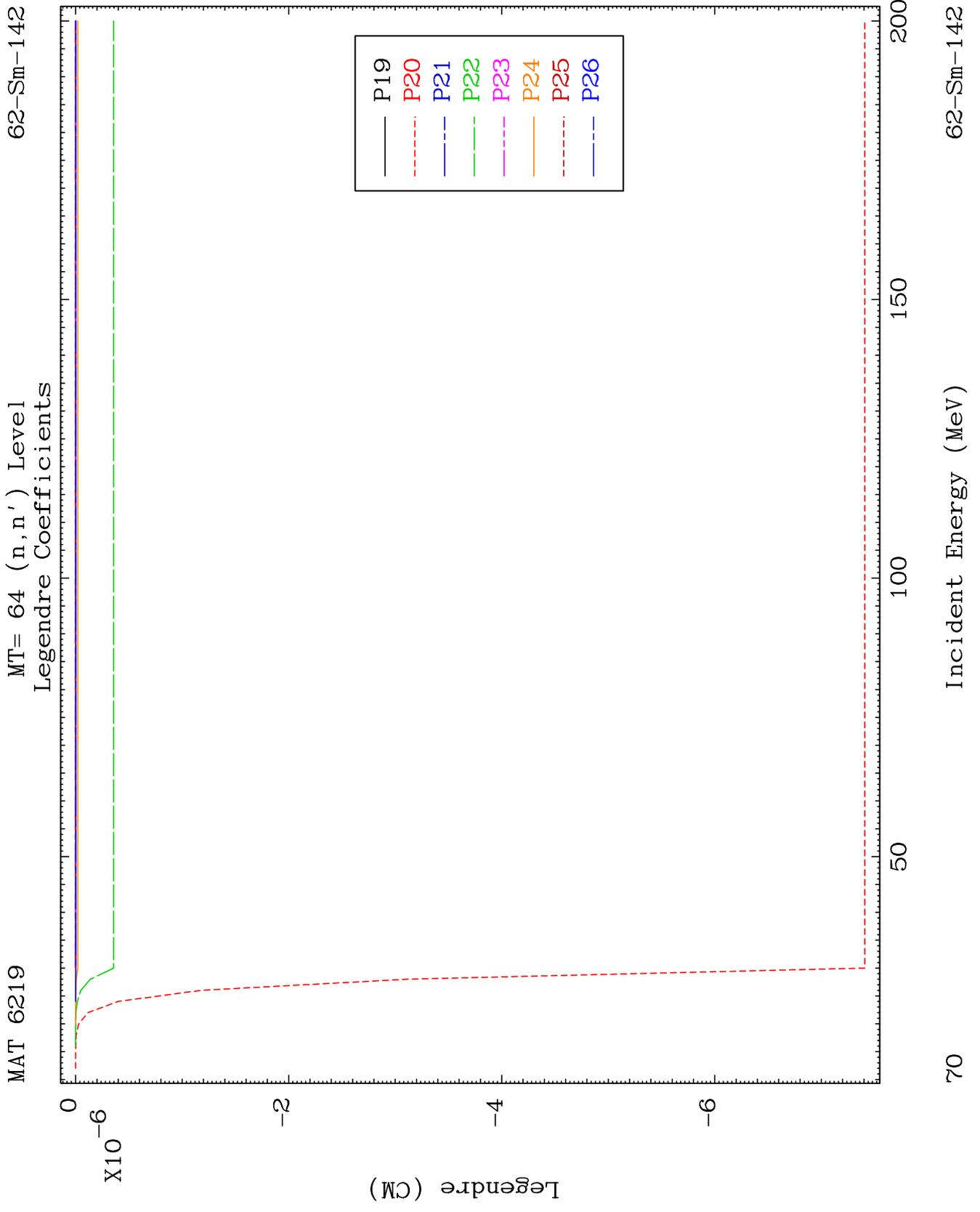
62-Sm-142



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Incident Energy (MeV)

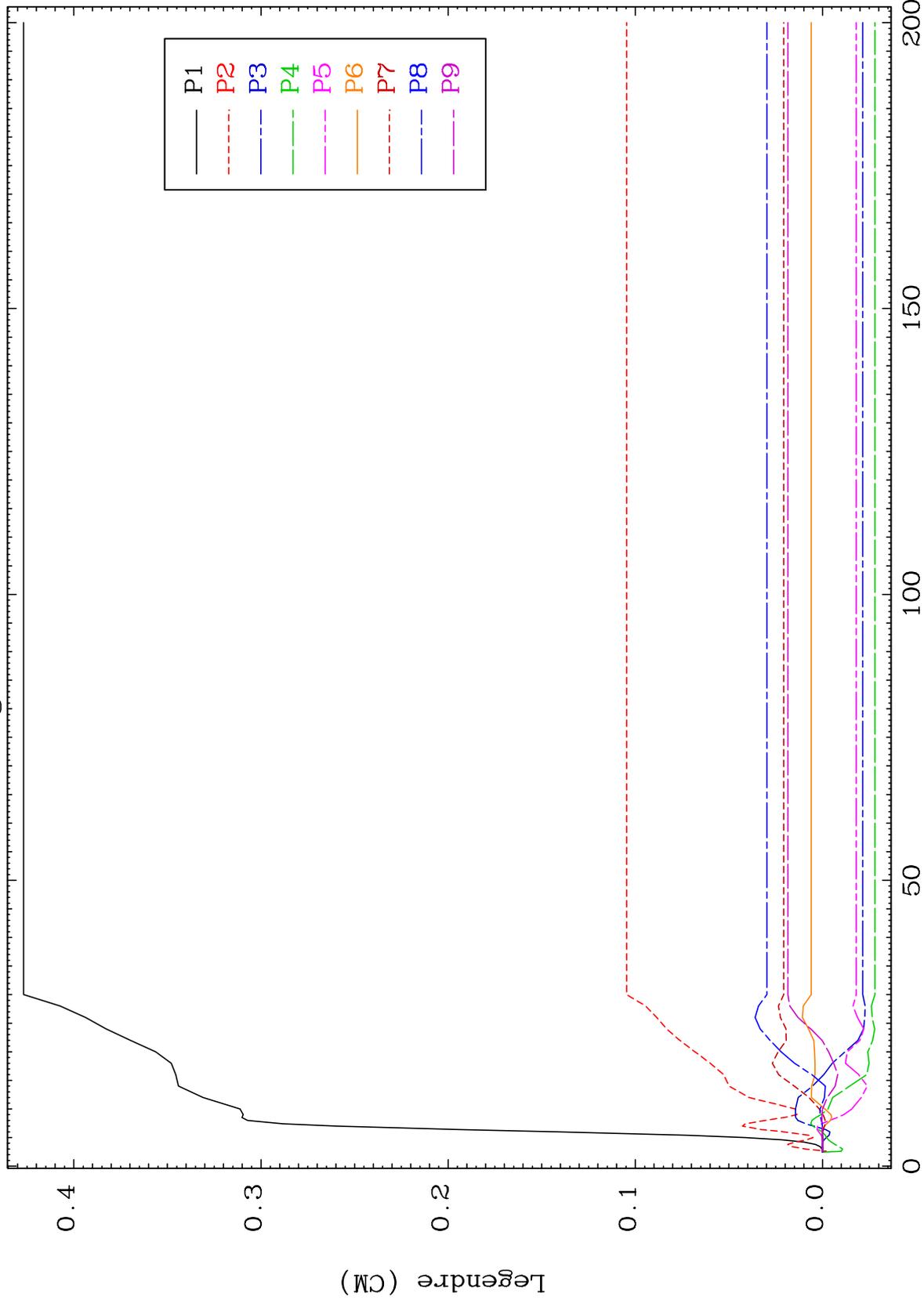
62-Sm-142



MAT 6219

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

62-Sm-142



71

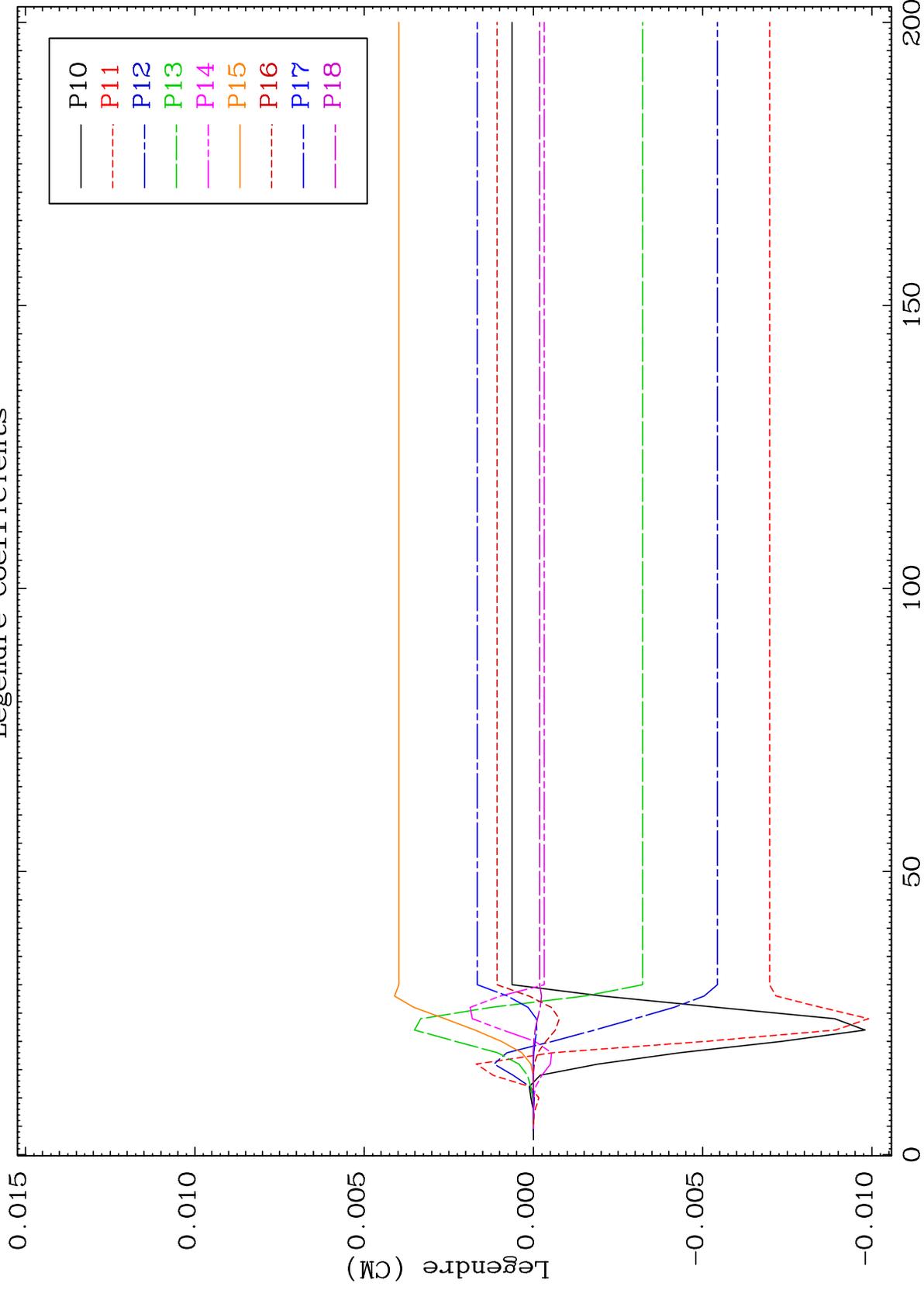
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



72

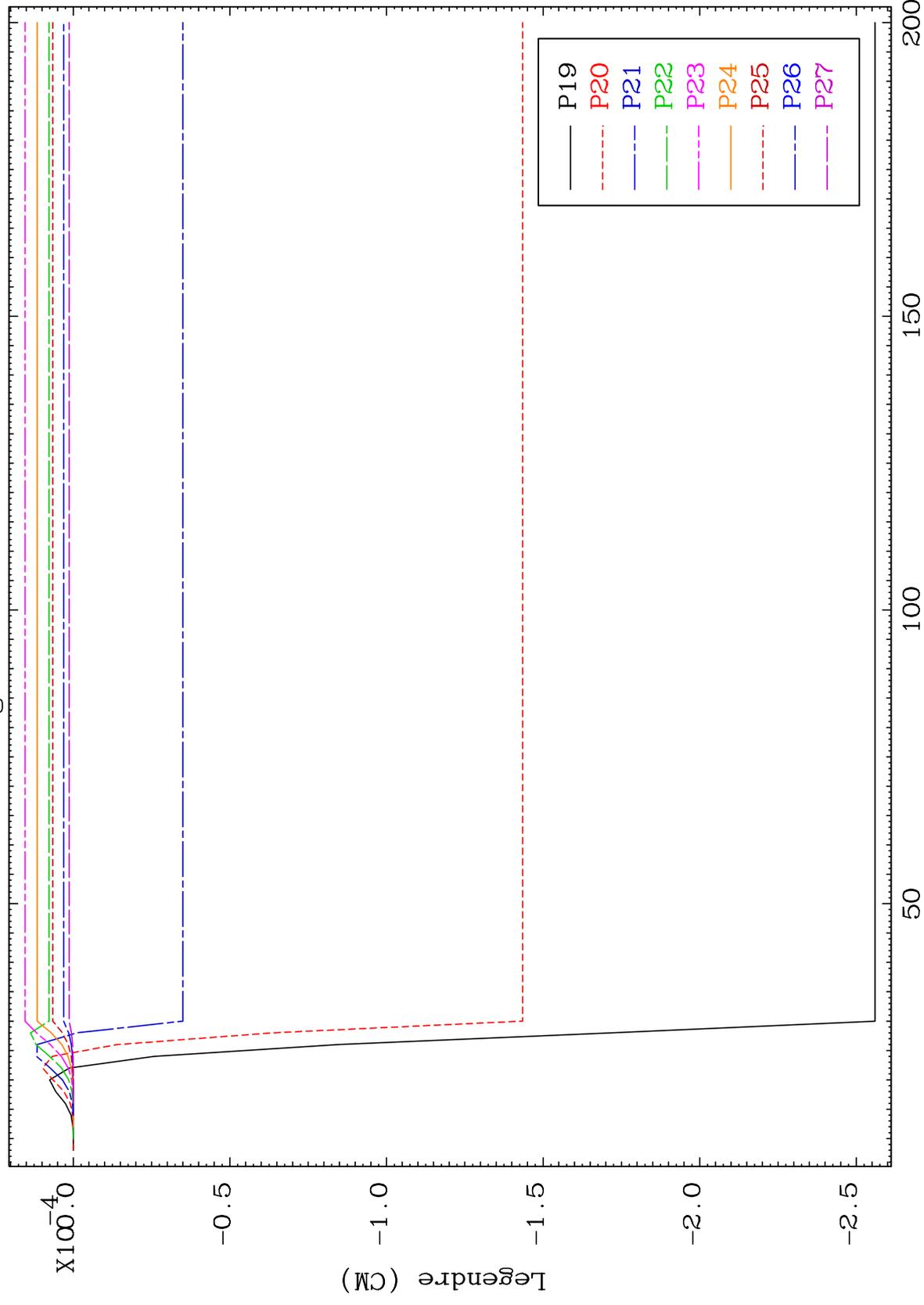
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

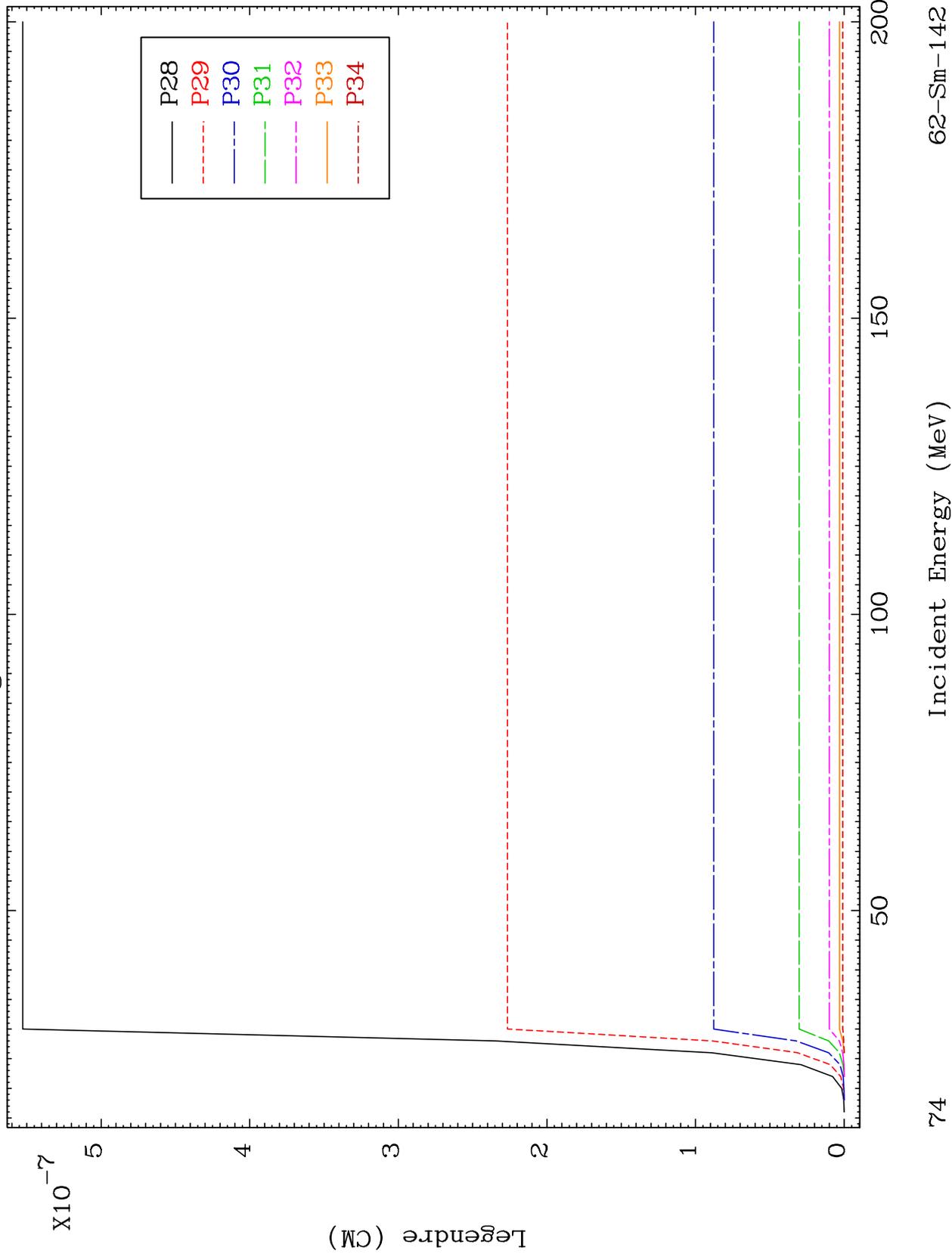
62-Sm-142

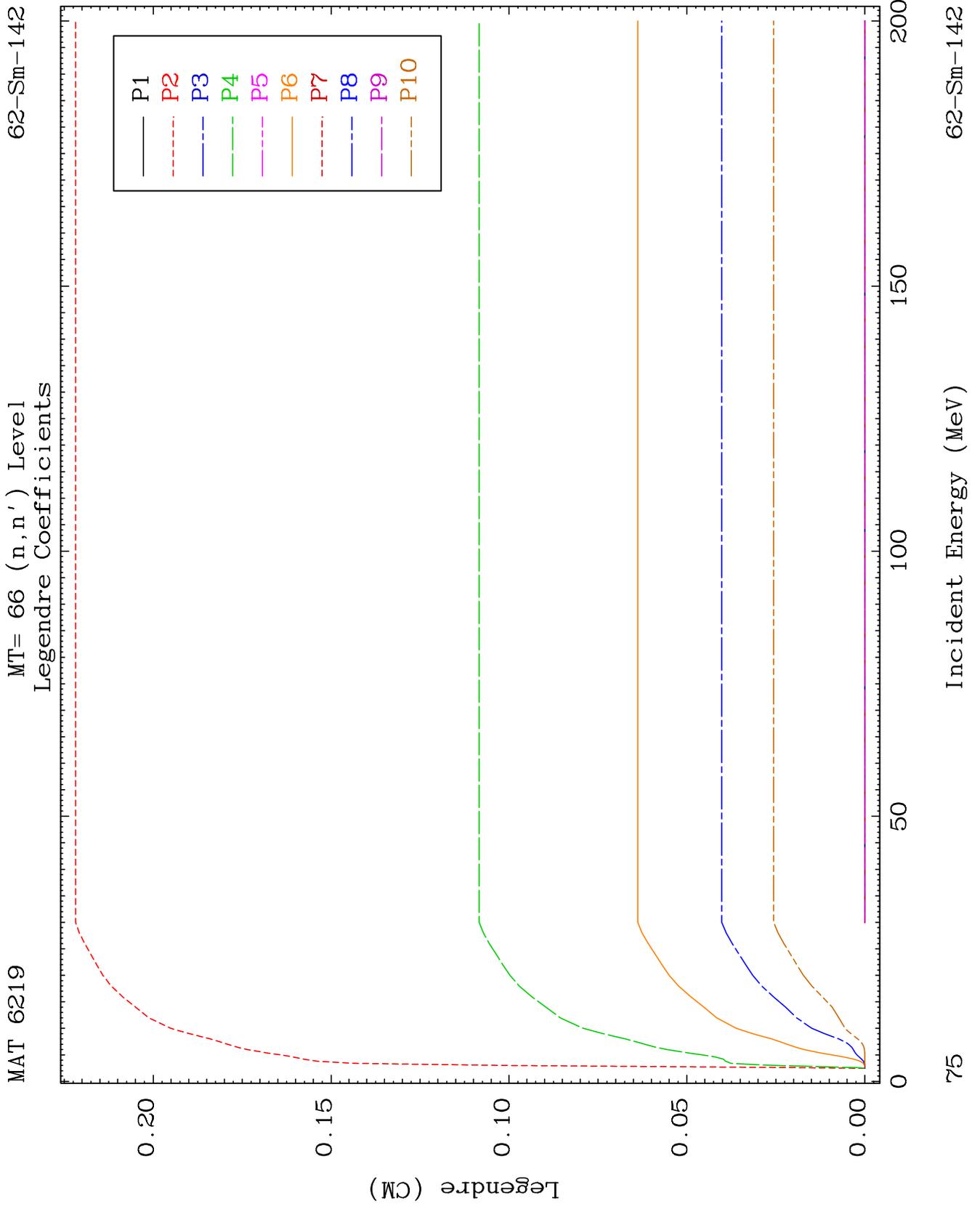


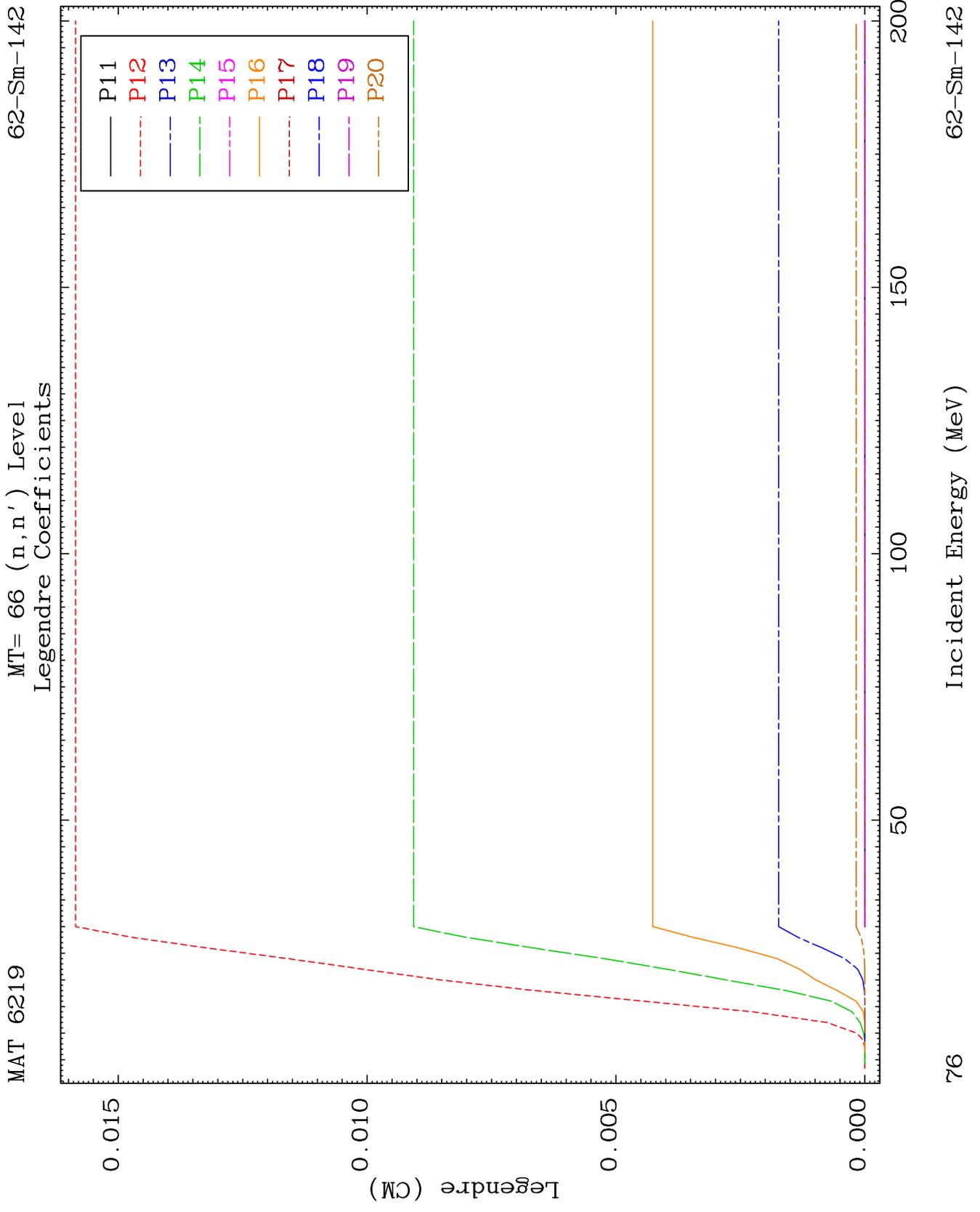
MAT 6219

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

62-Sm-142





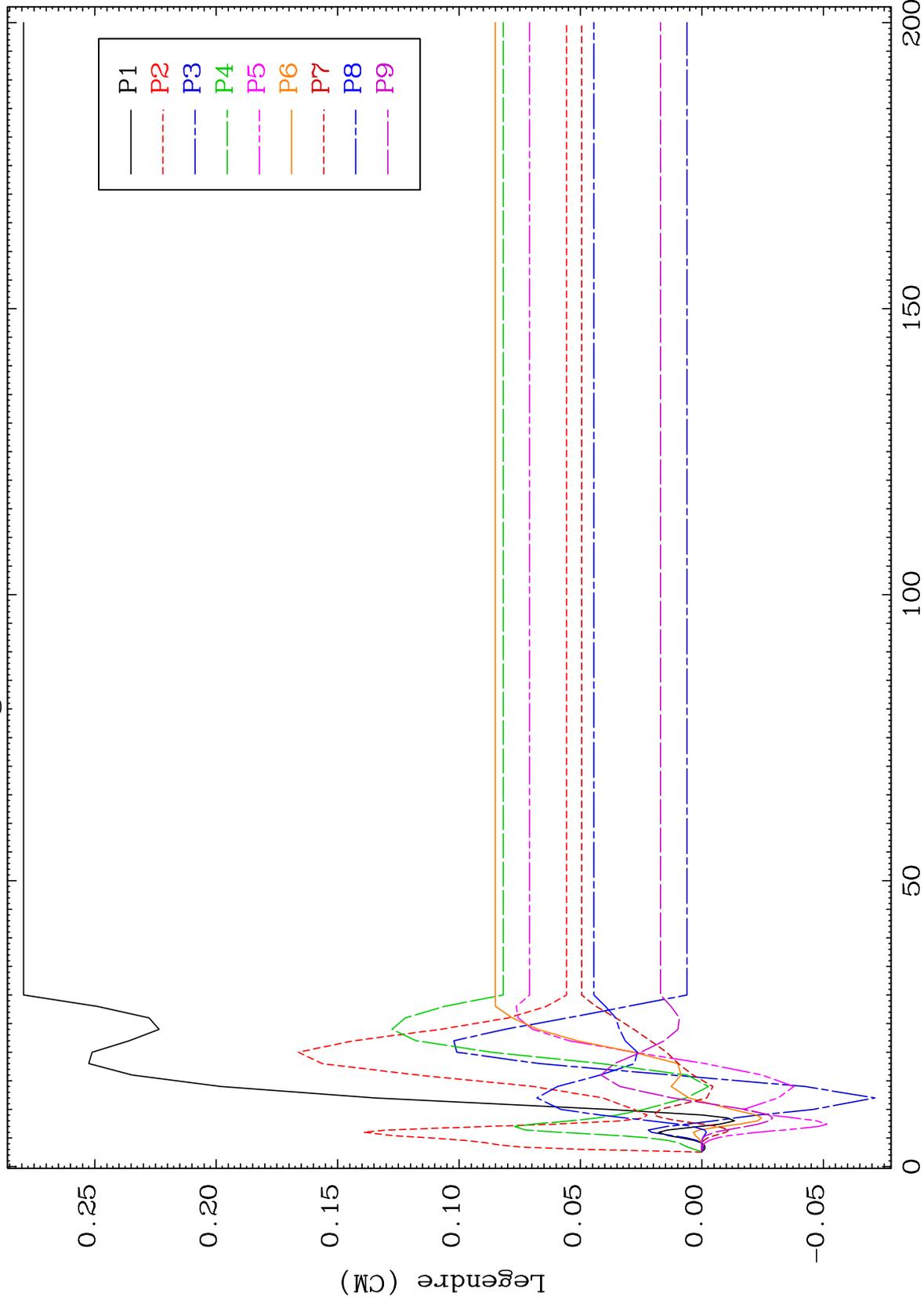




MAT 6219

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

62-Sm-142



78

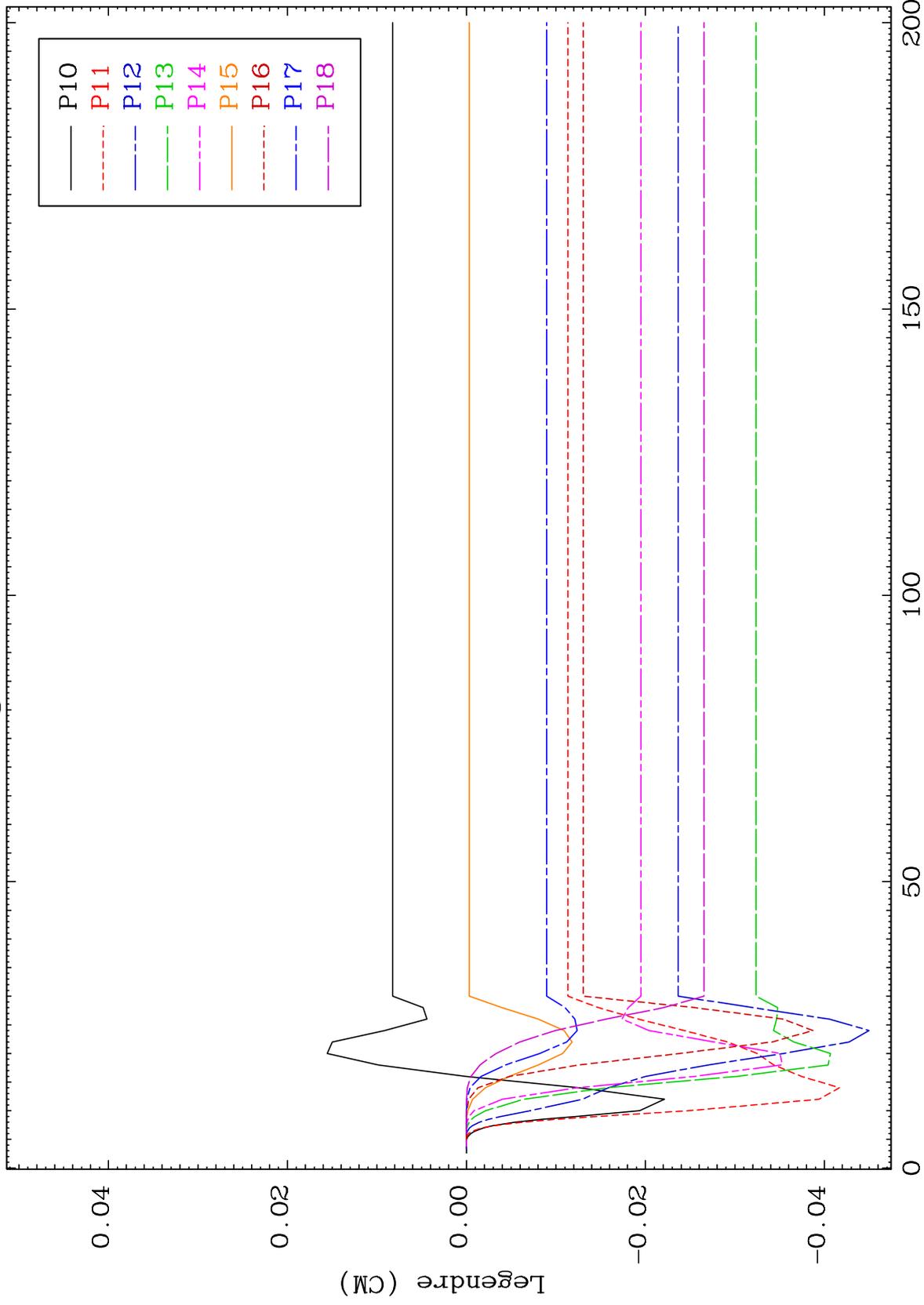
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

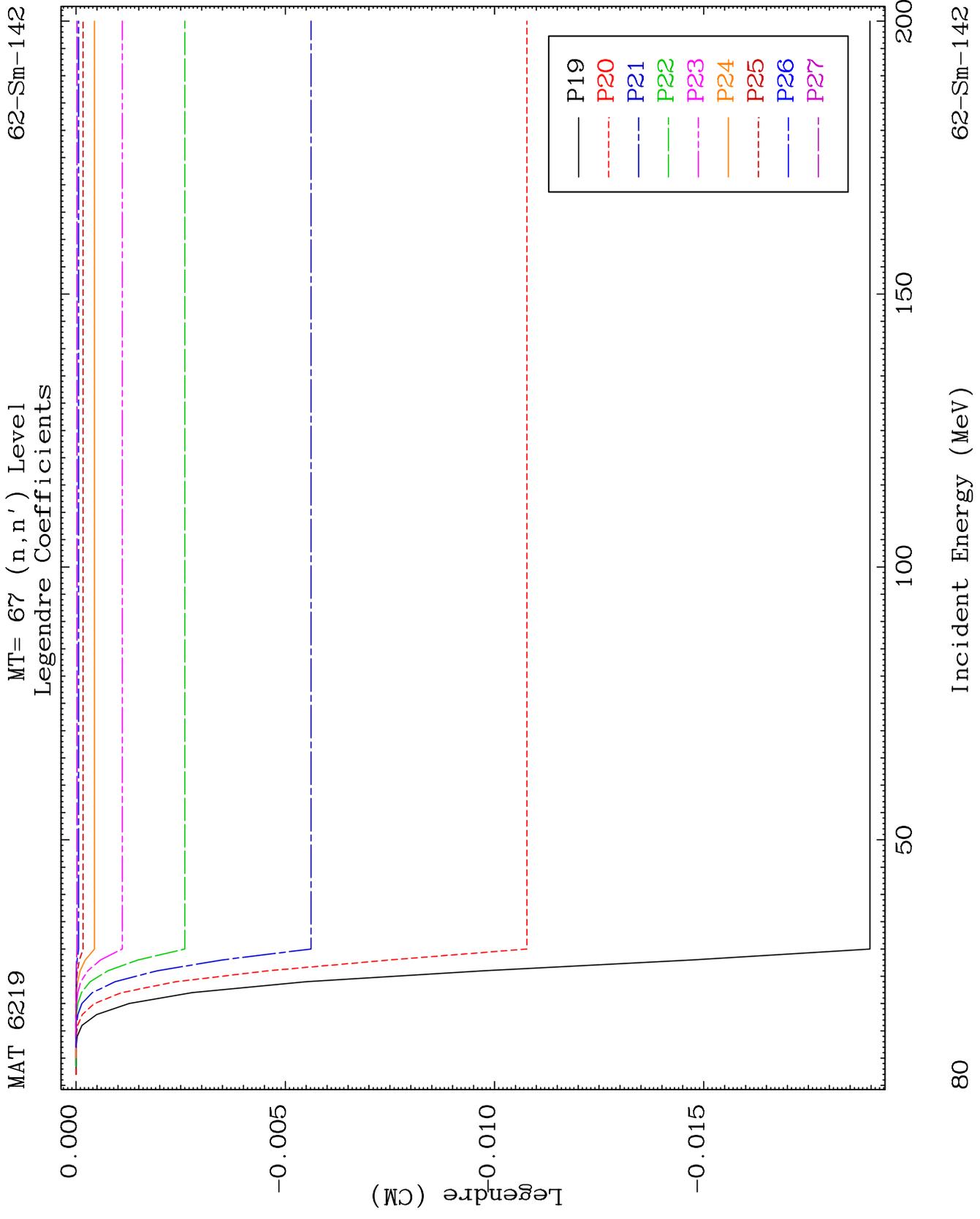
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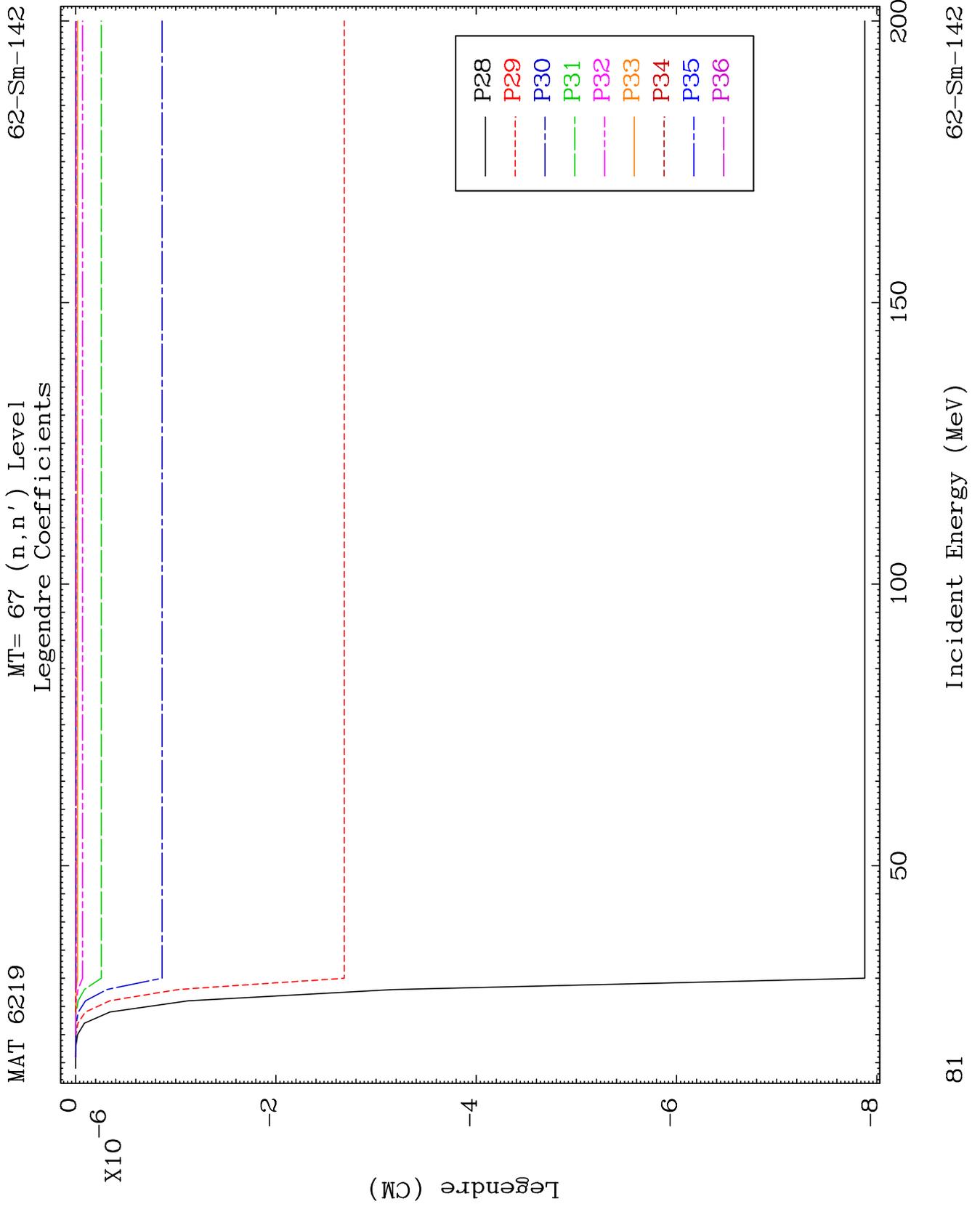


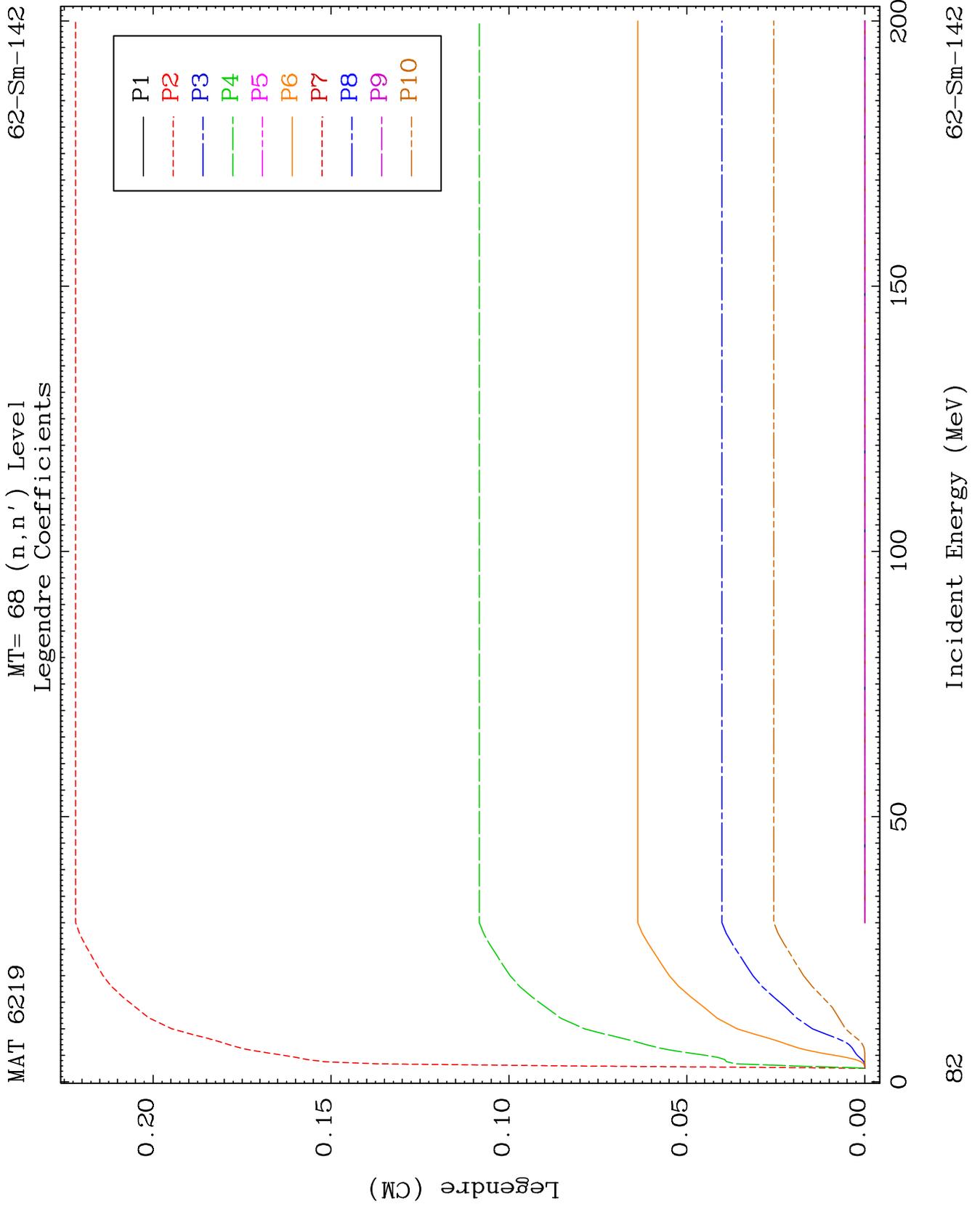
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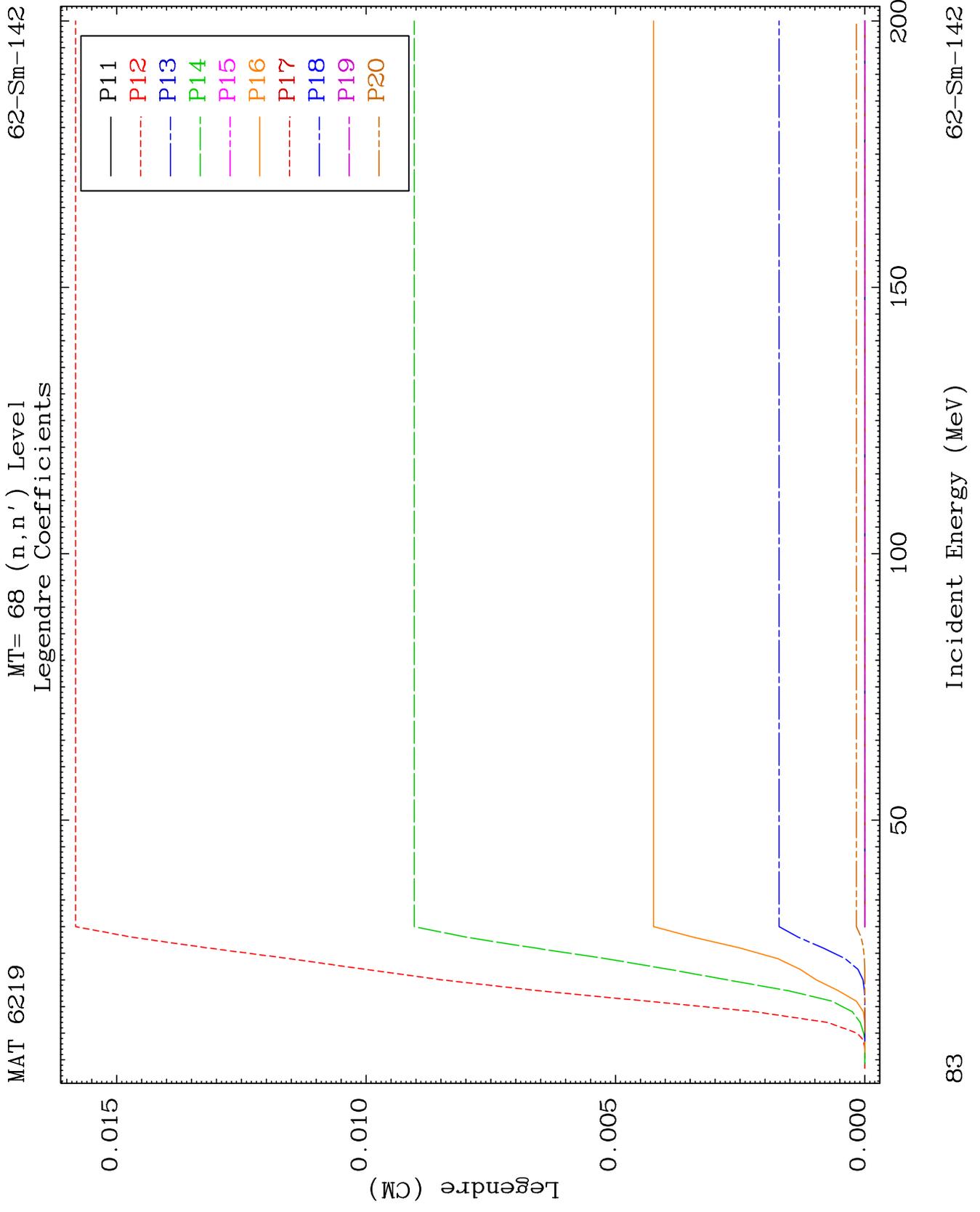
Incident Energy (MeV)

62-Sm-142





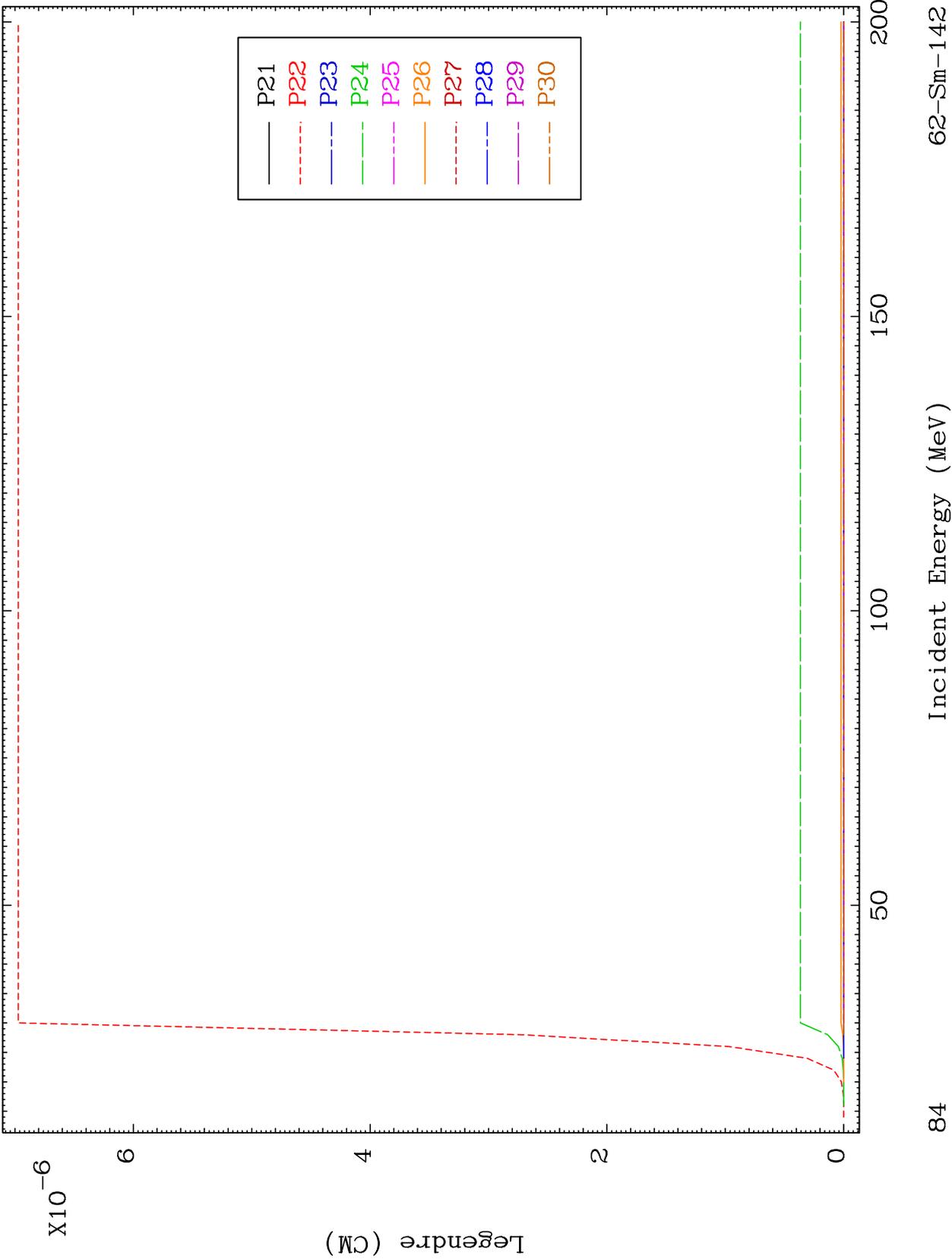




MAT 6219

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

62-Sm-142



84

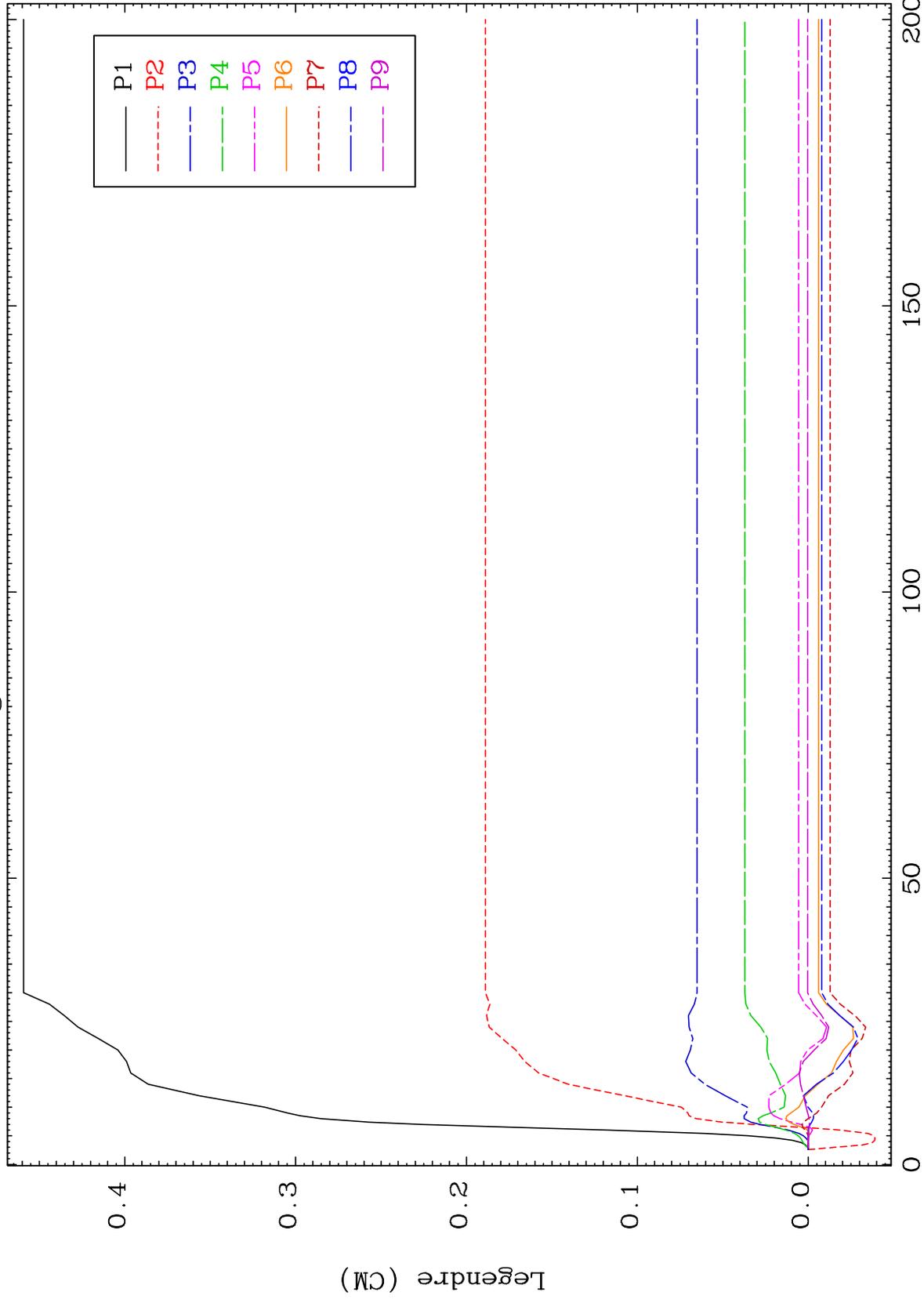
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



85

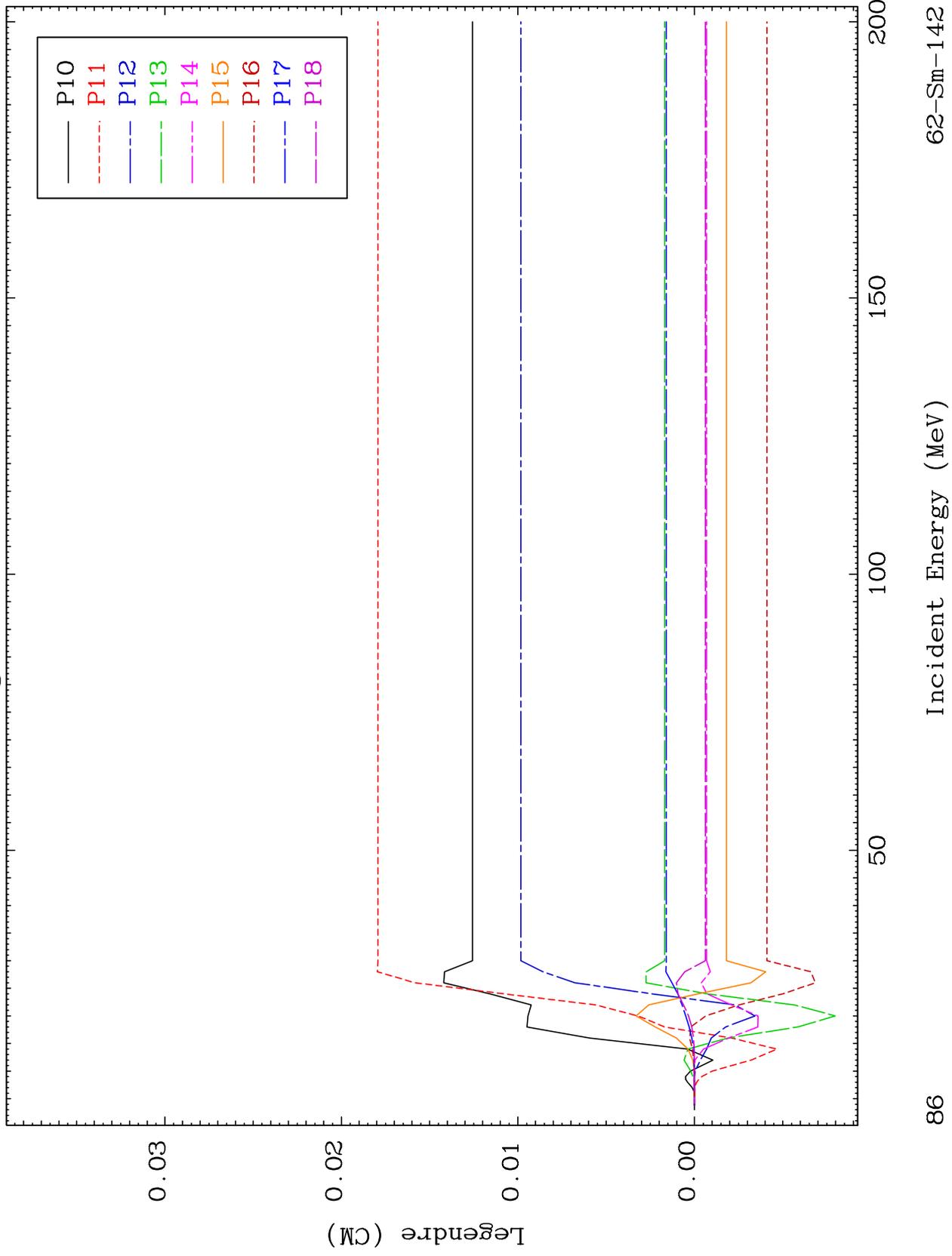
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



86

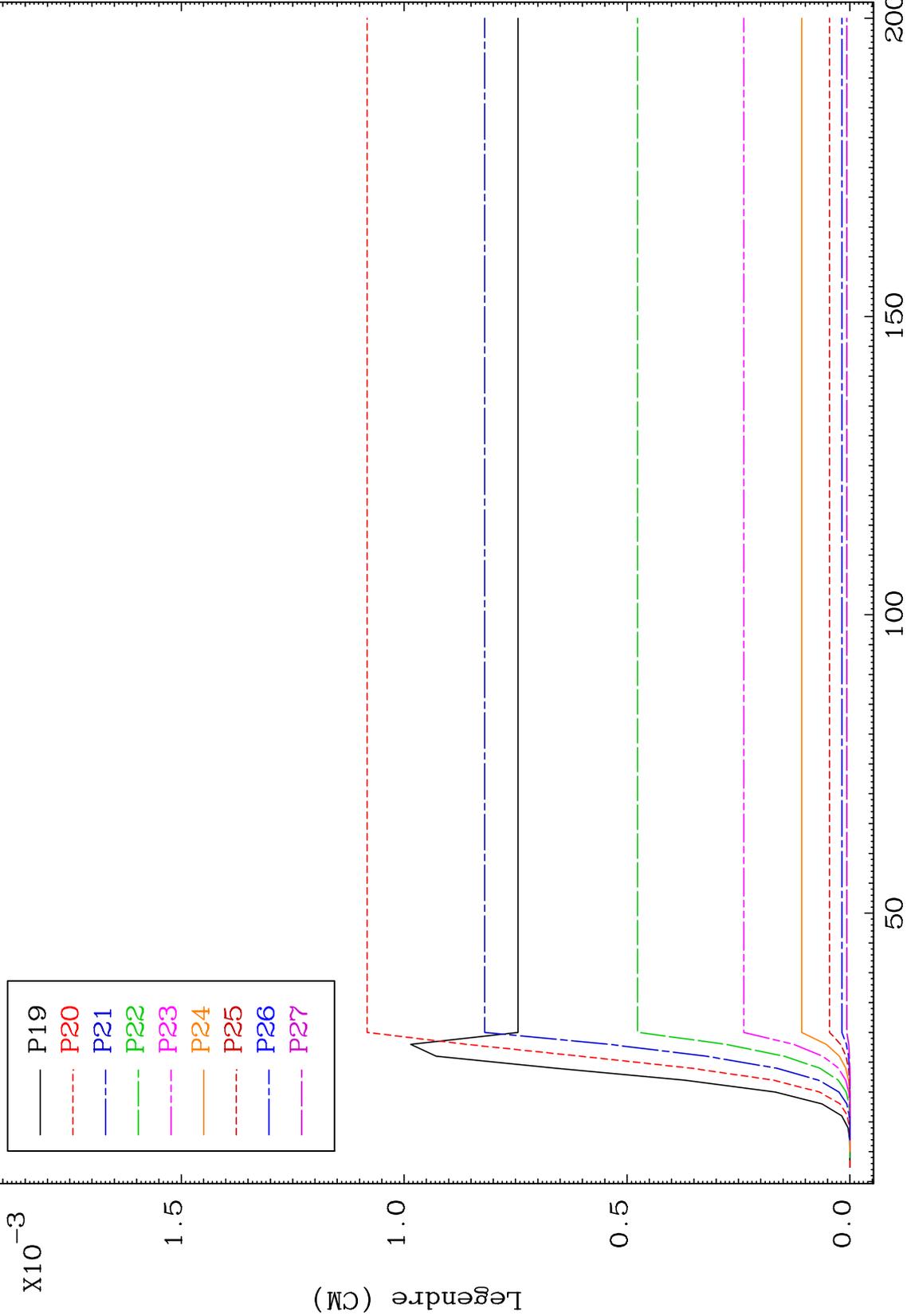
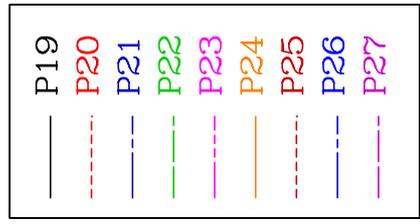
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



87

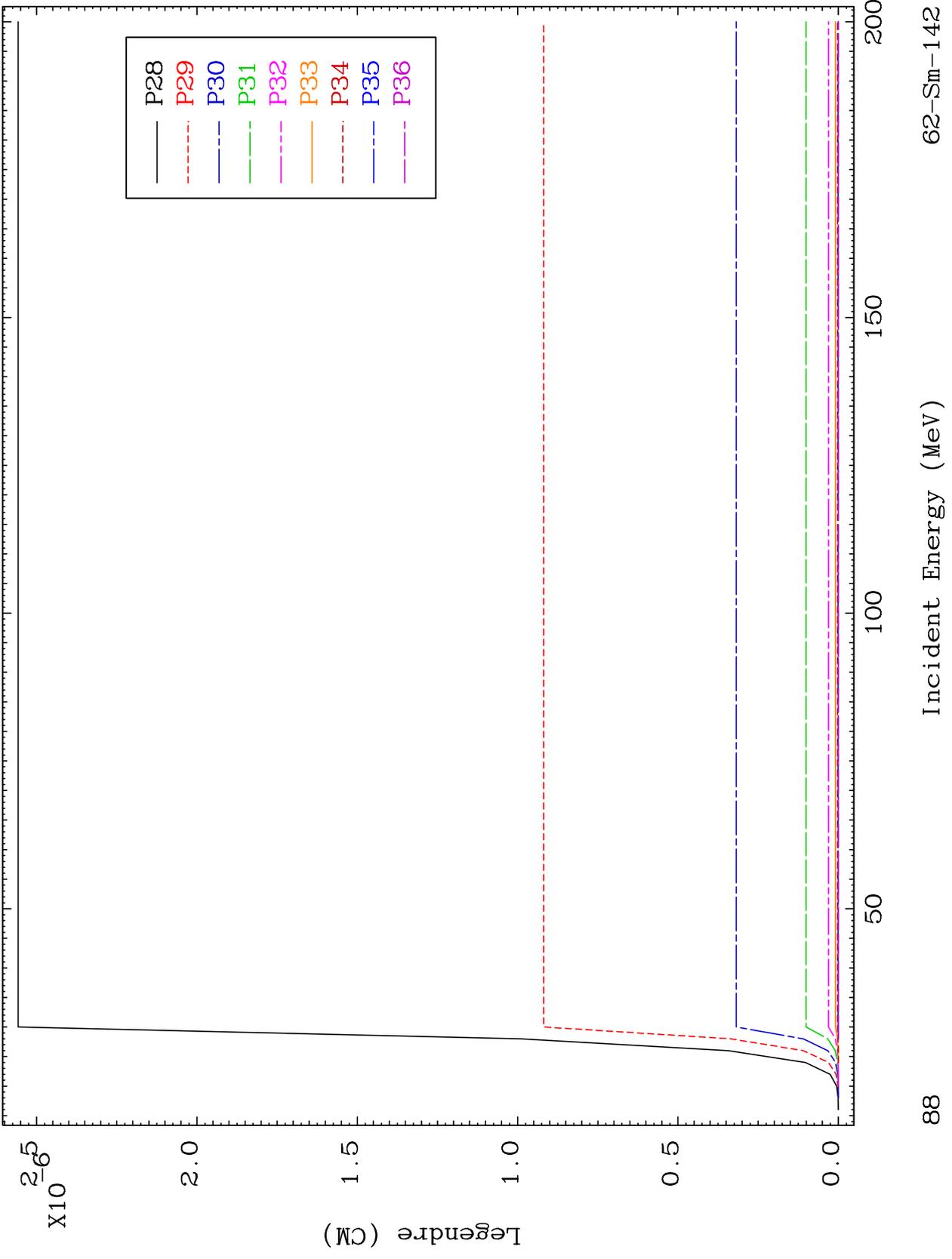
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



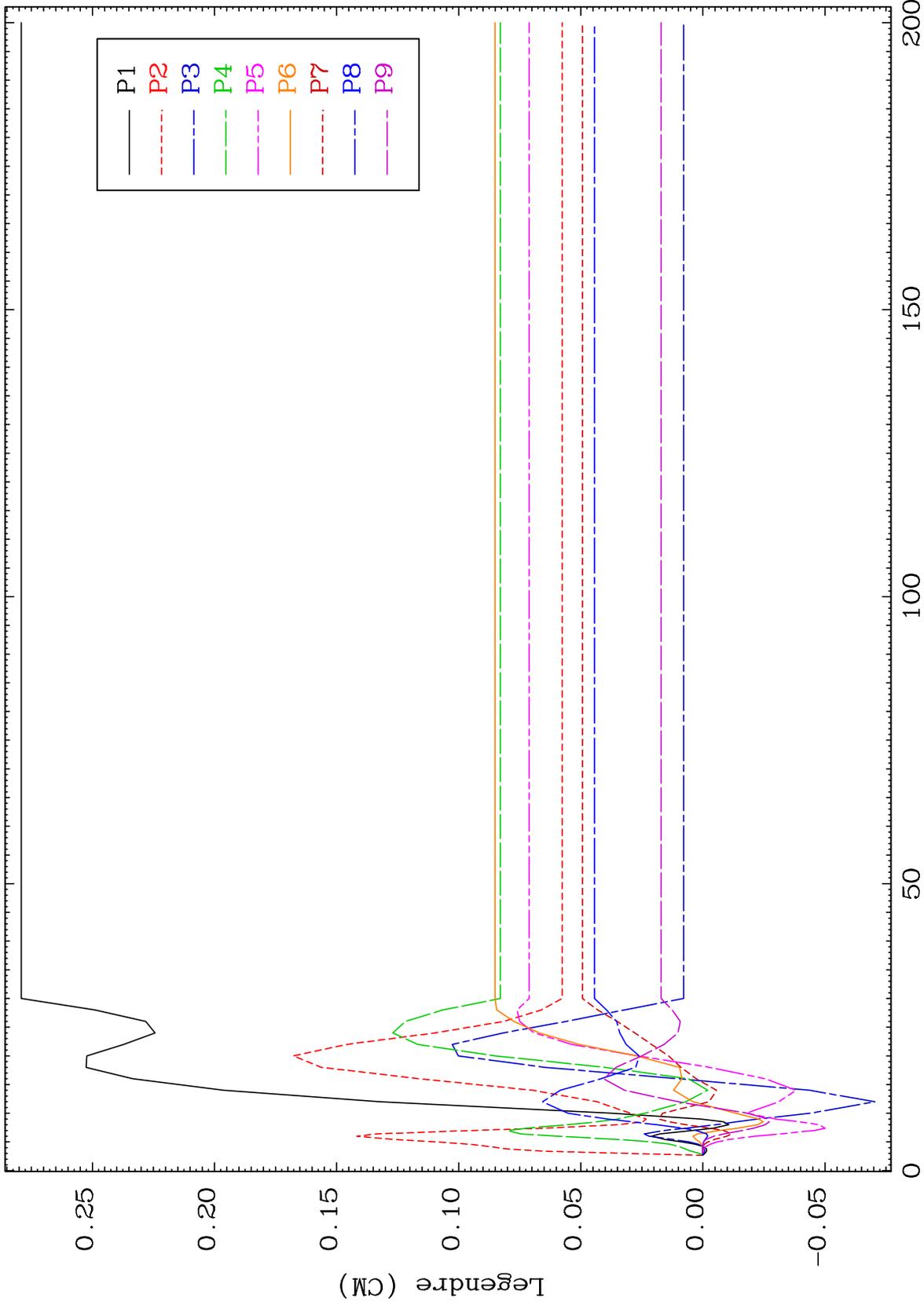
88

62-Sm-142

MAT 6219

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

62-Sm-142



89

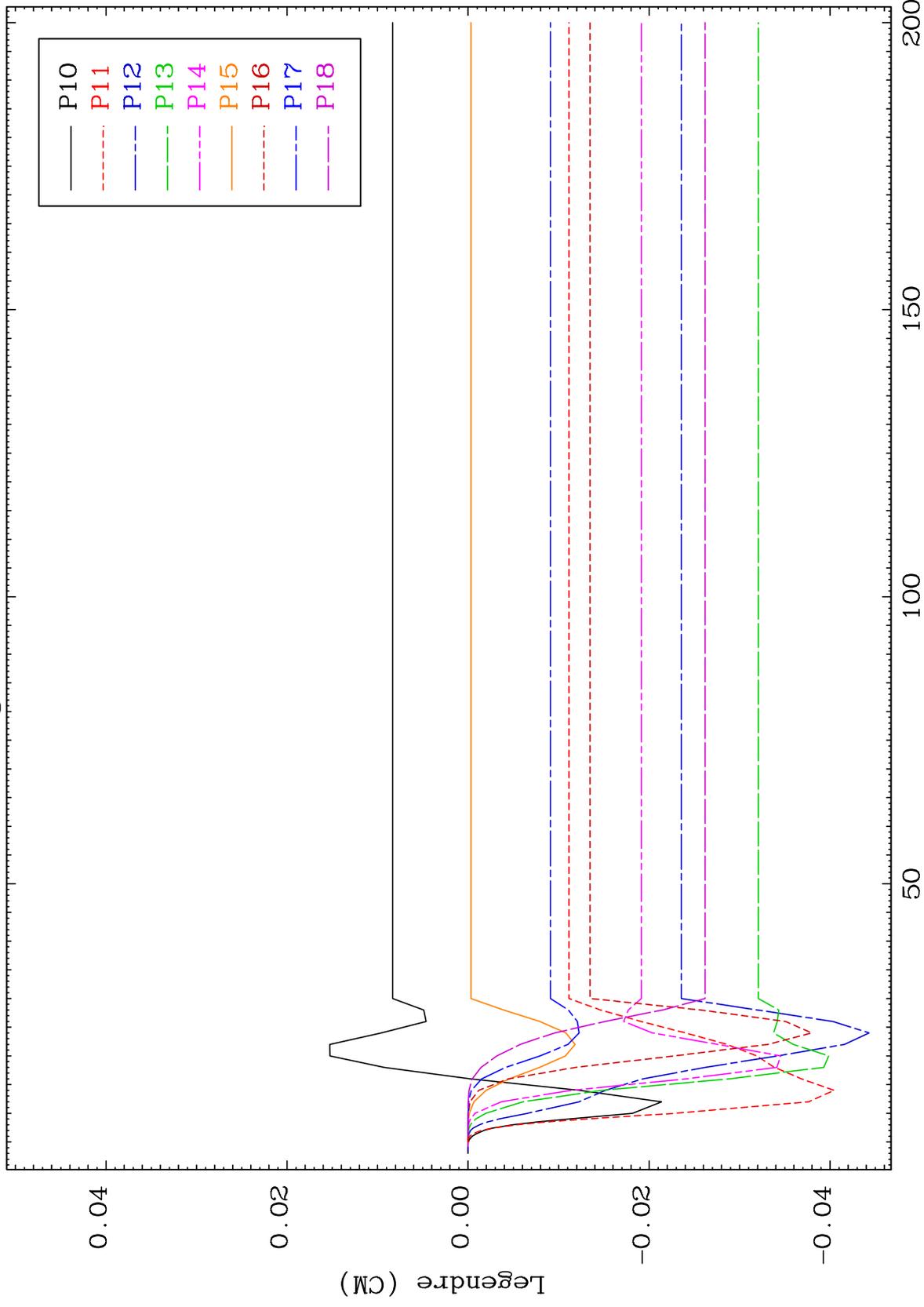
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

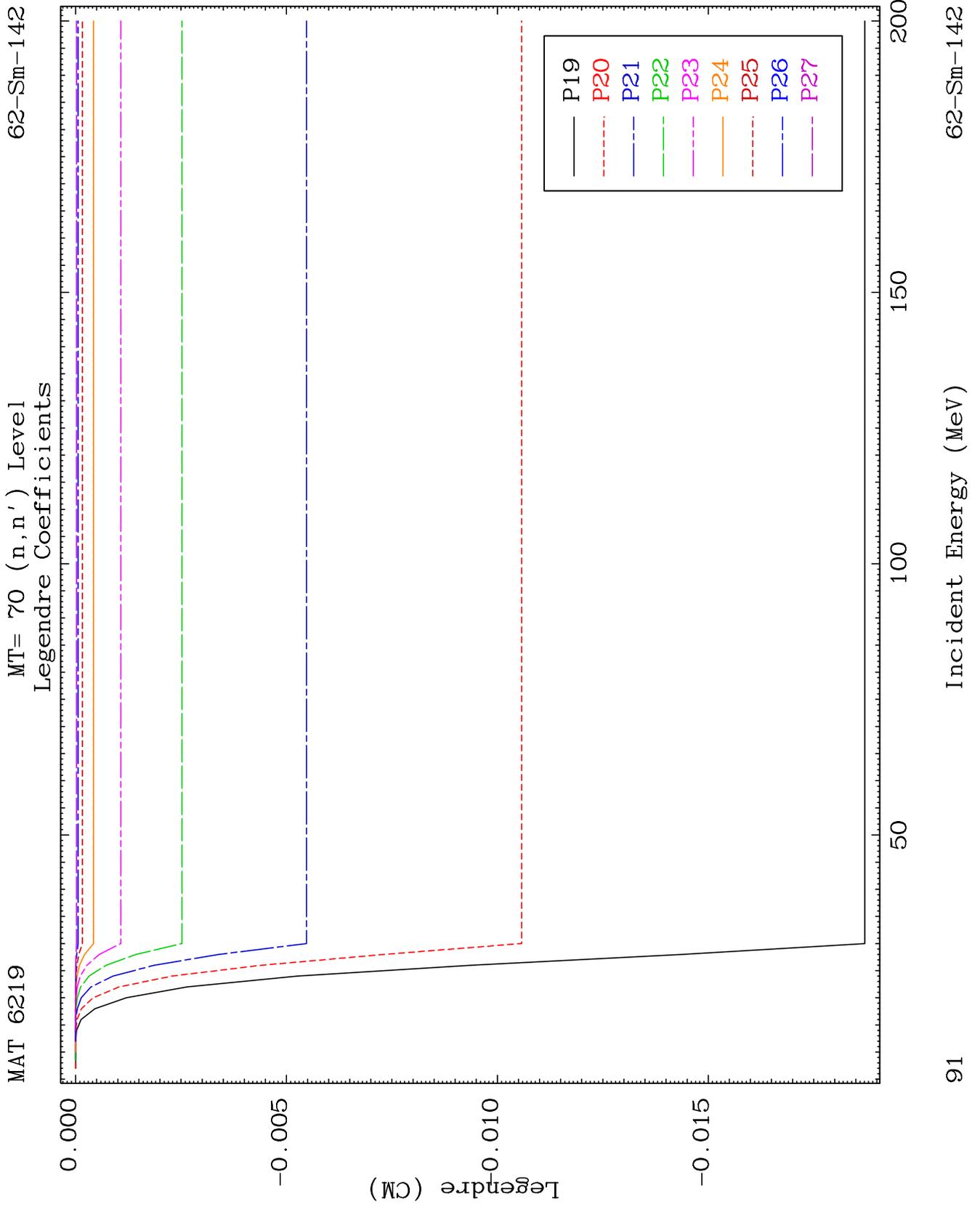
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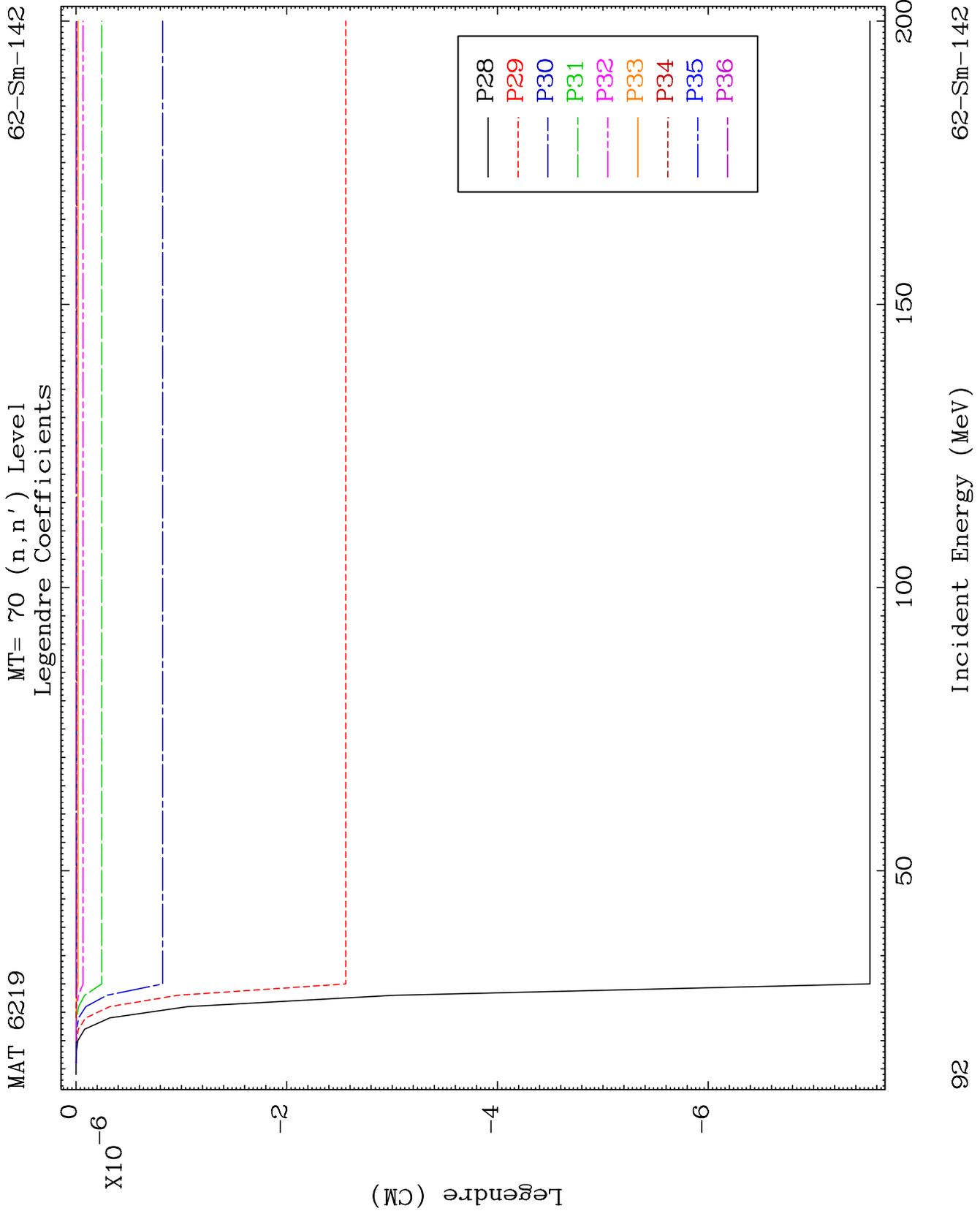


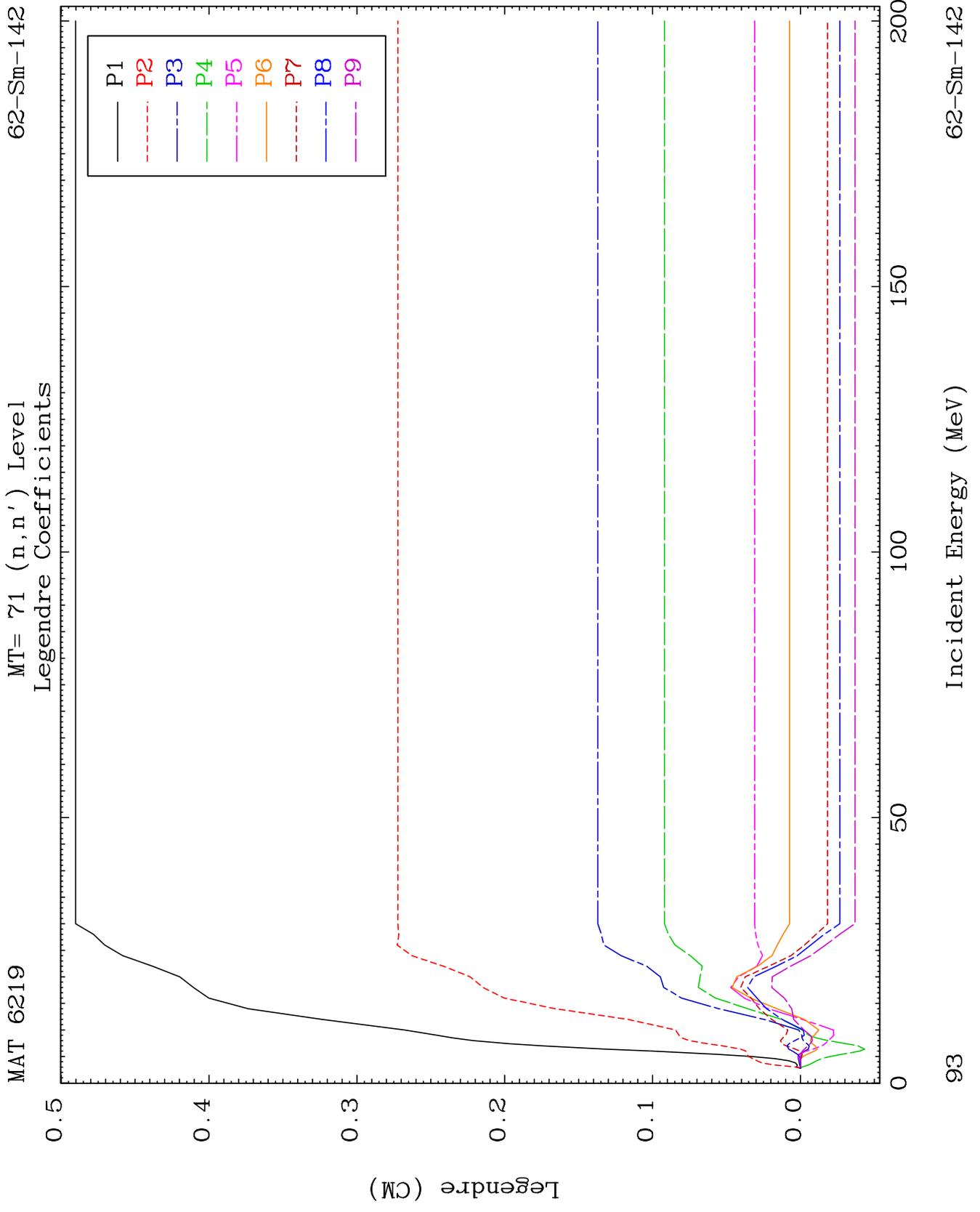
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Incident Energy (MeV)

62-Sm-142





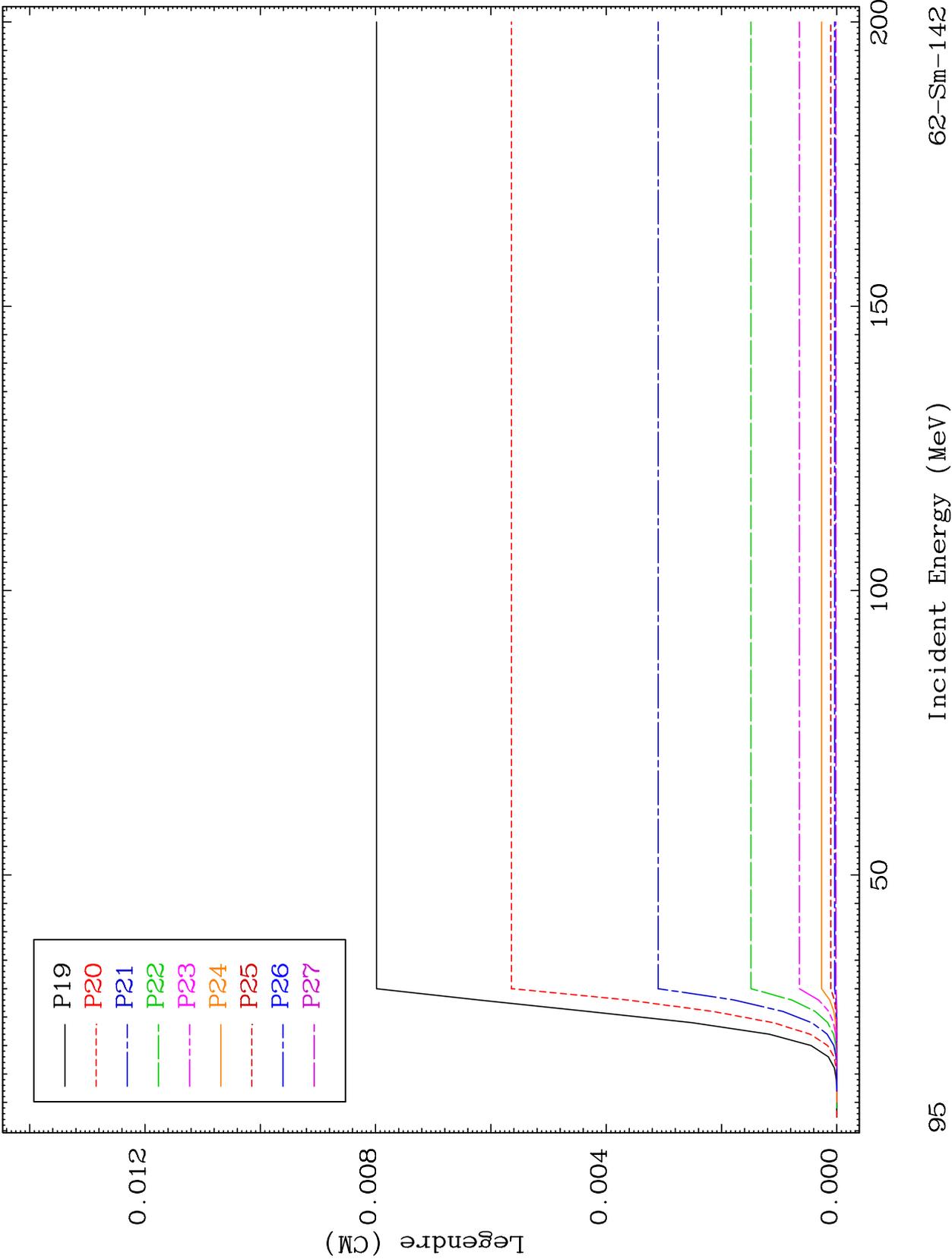




MAT 6219

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

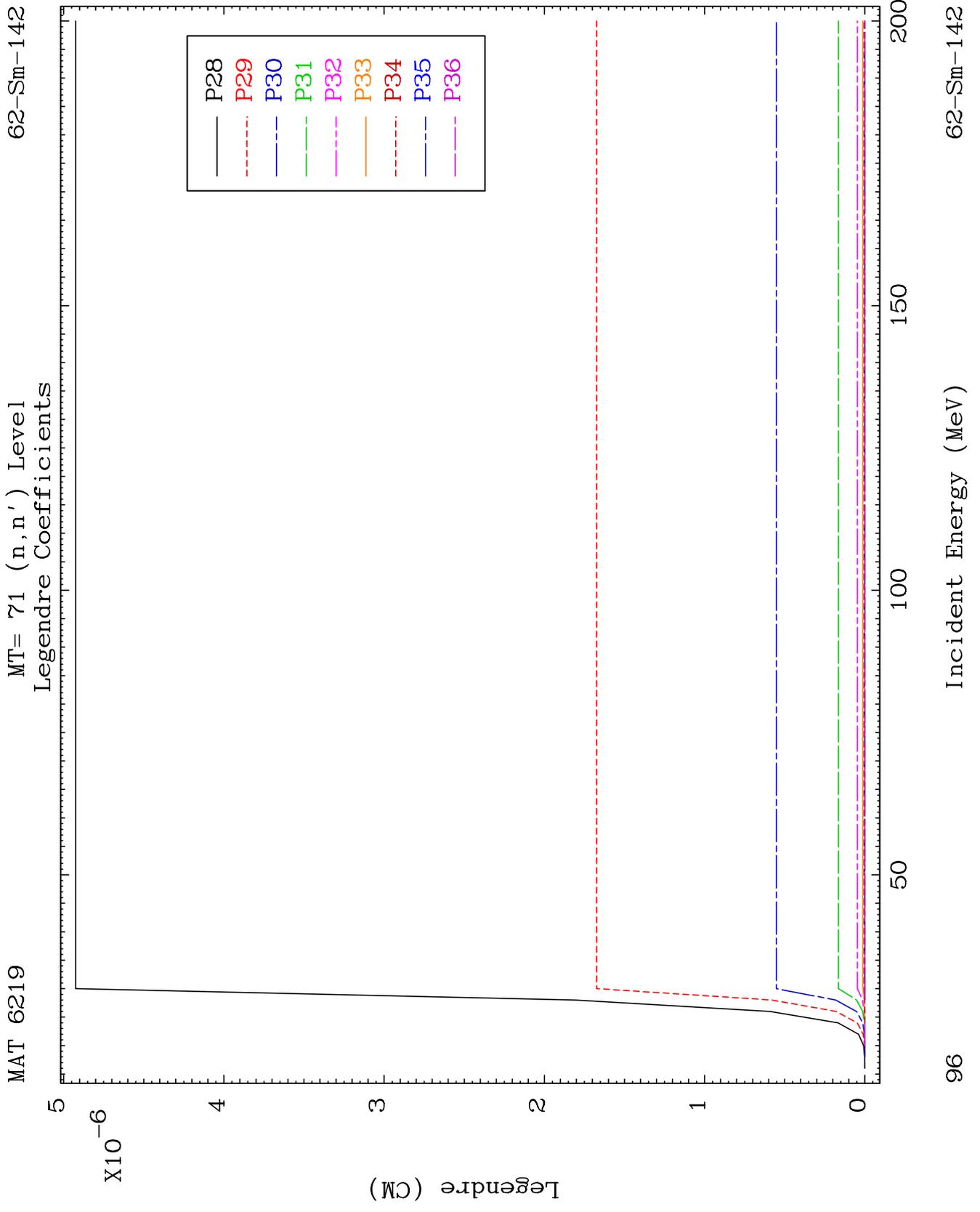
62-Sm-142



95

Incident Energy (MeV)

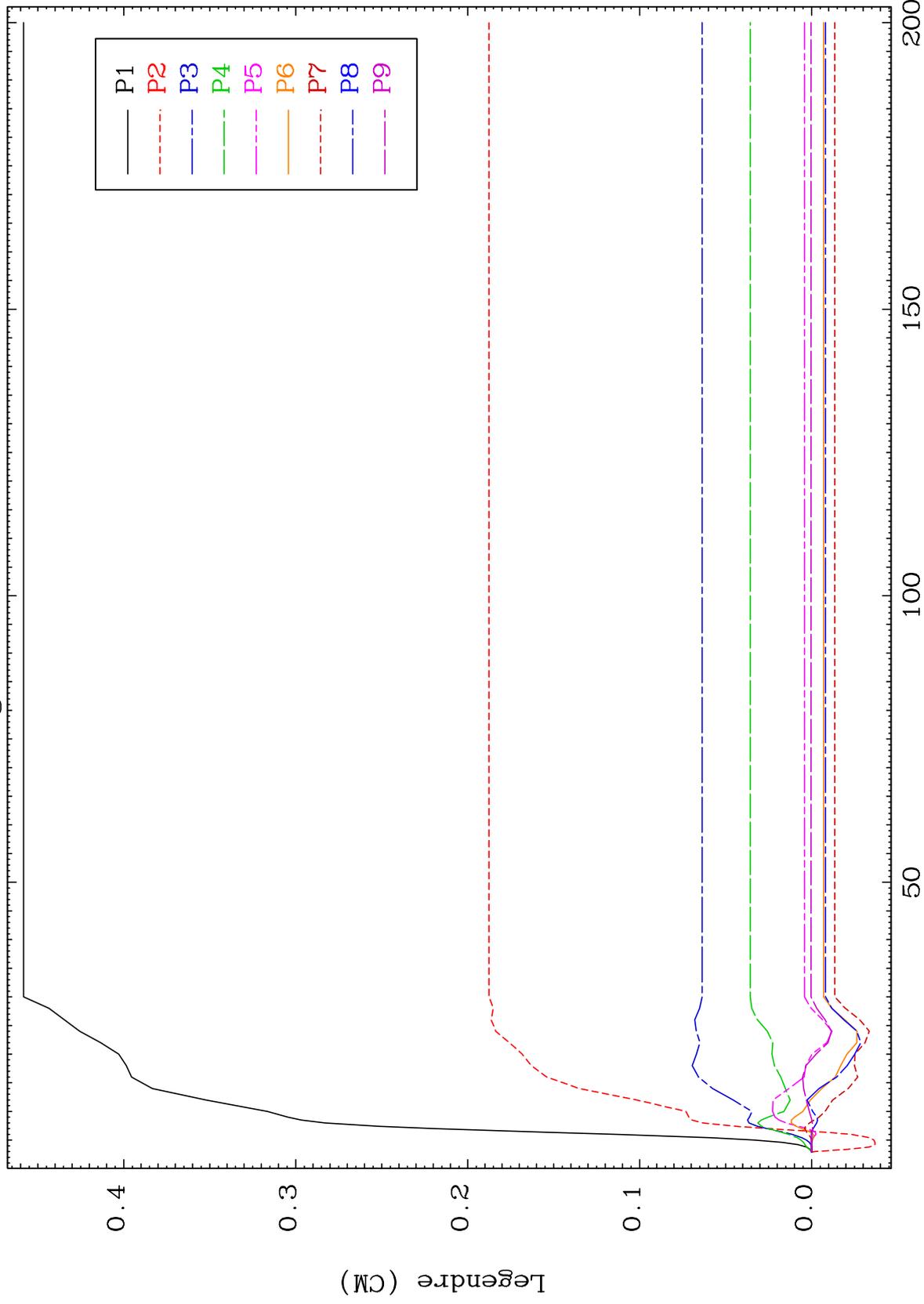
62-Sm-142



MAT 6219

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

62-Sm-142



97

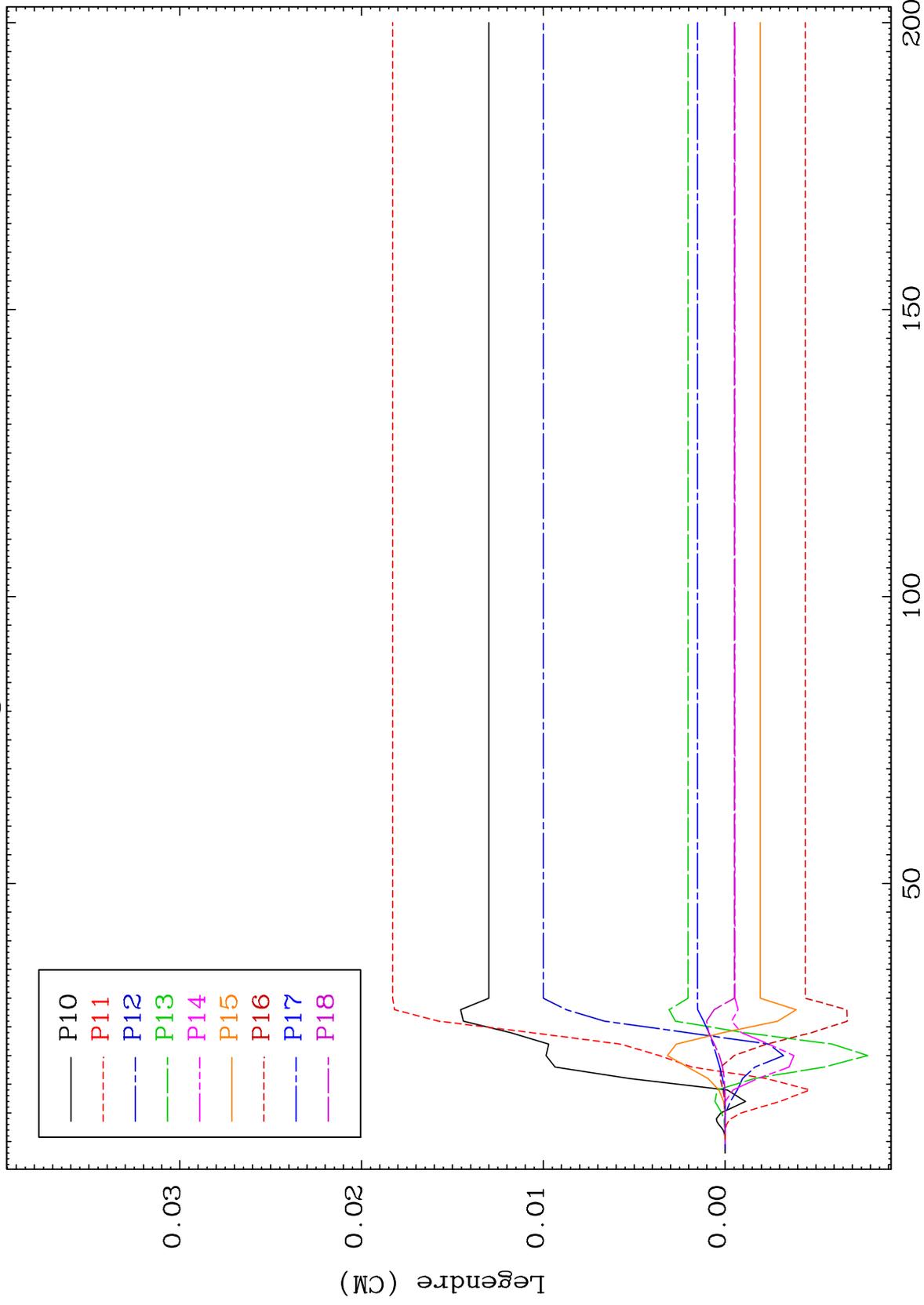
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

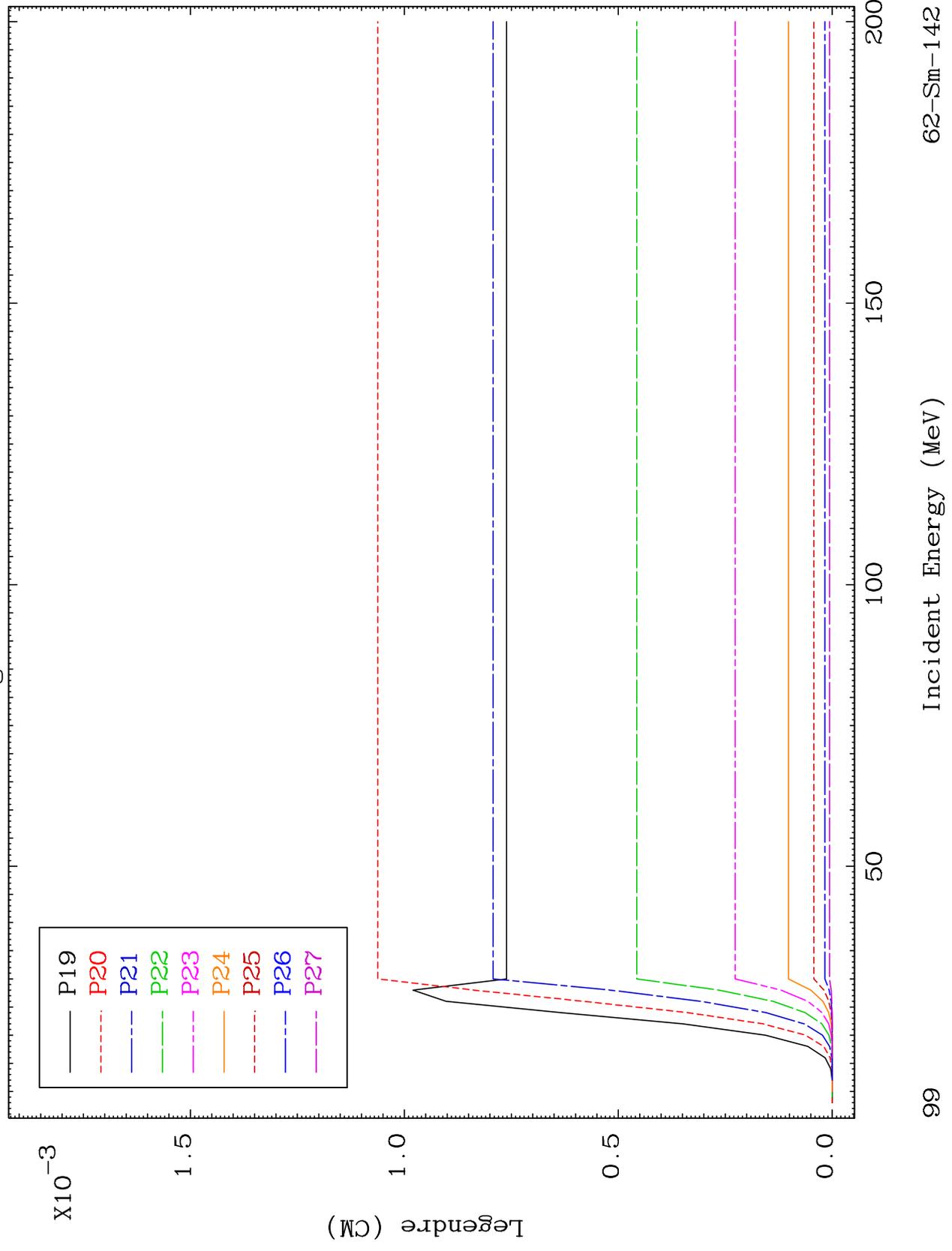
62-Sm-142



98

Incident Energy (MeV)

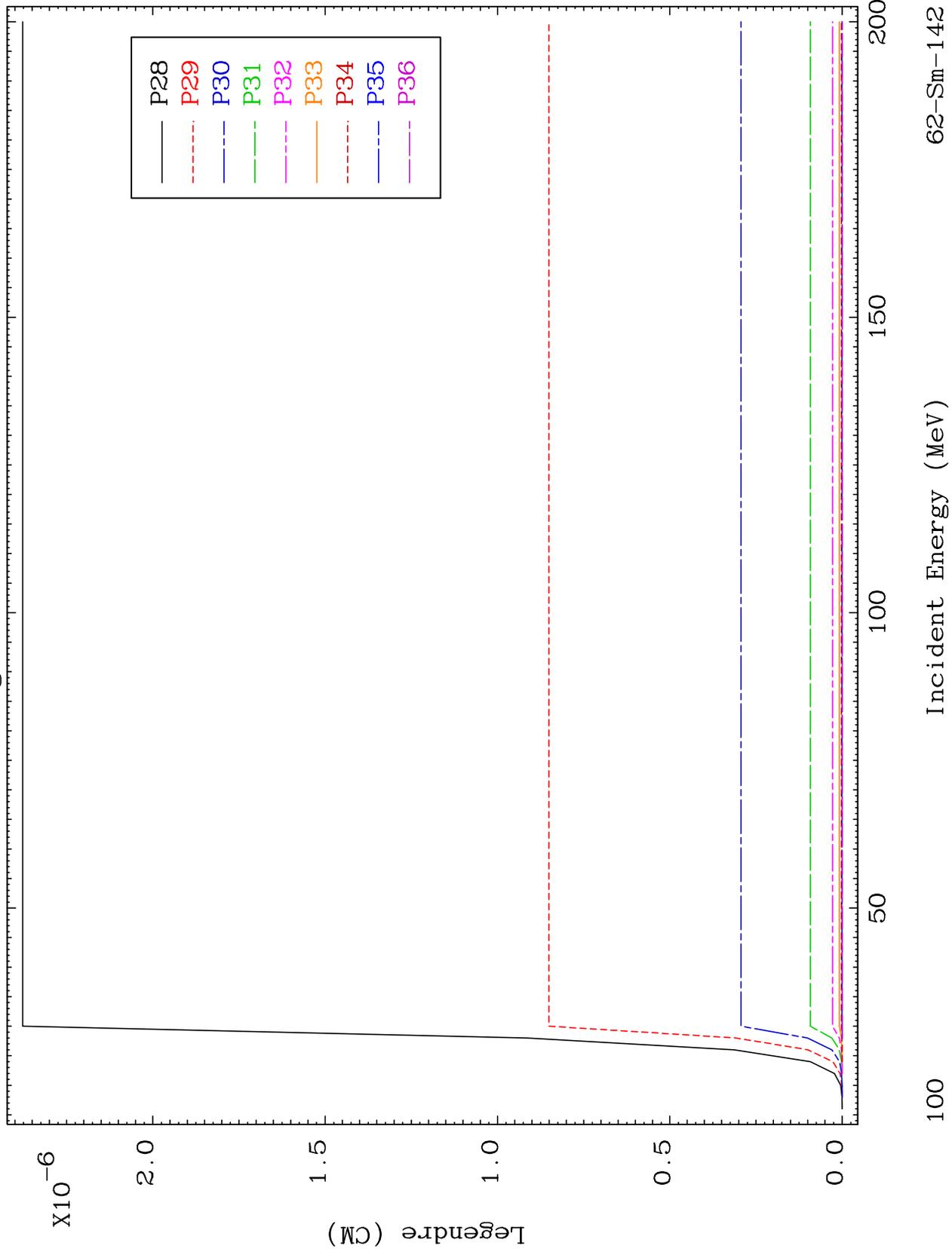
62-Sm-142



MAT 6219

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

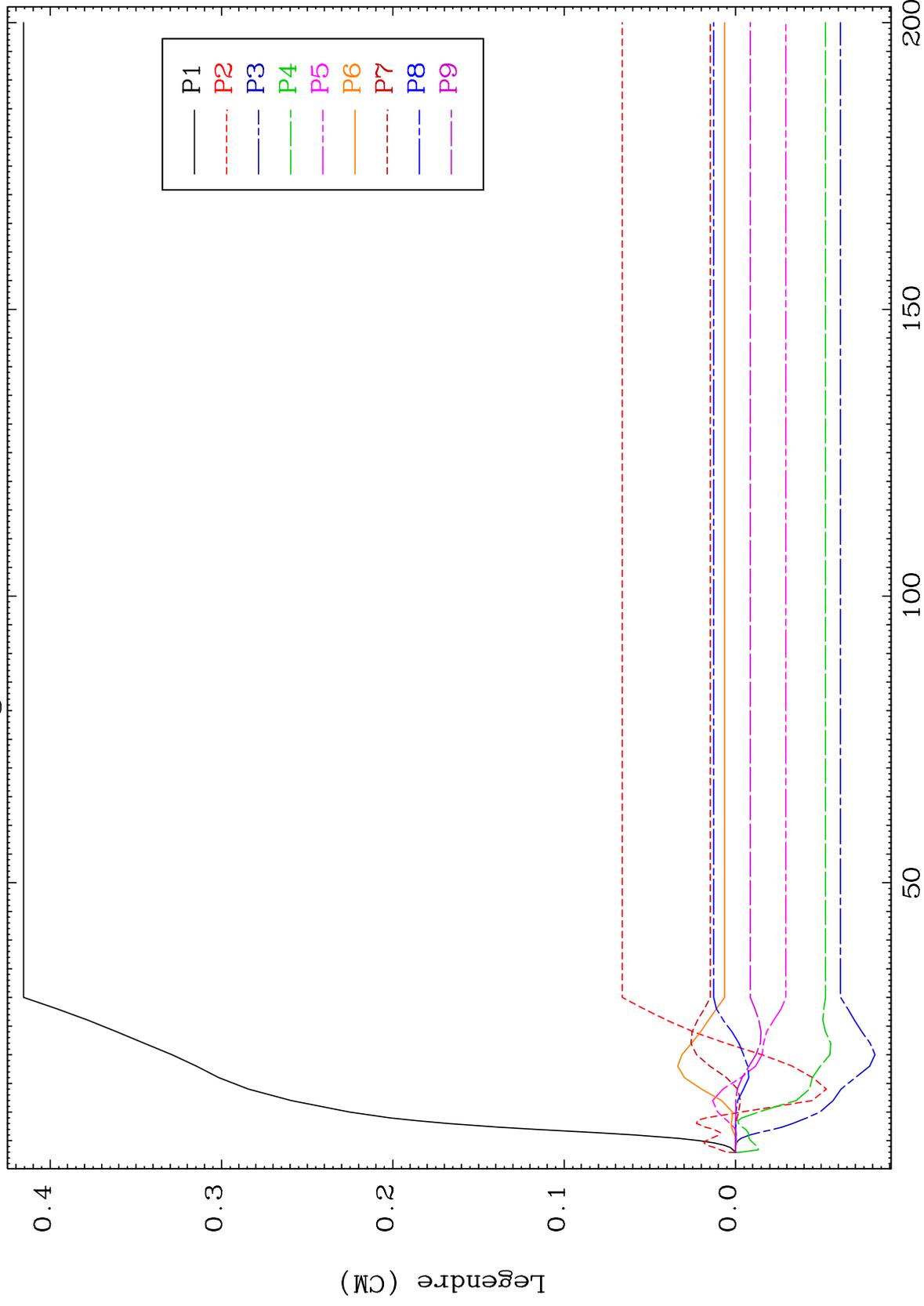
62-Sm-142



MAT 6219

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

62-Sm-142



101

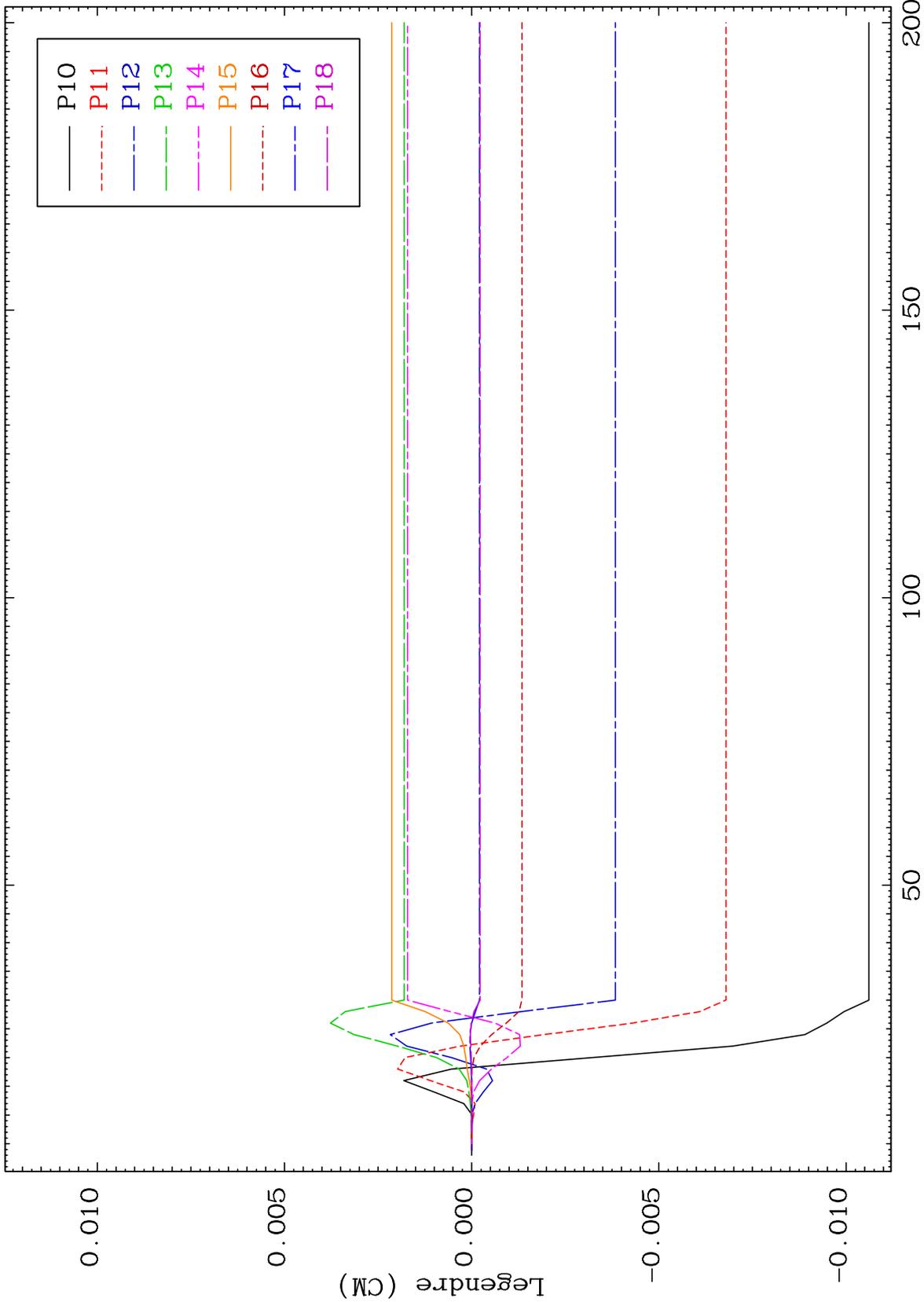
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

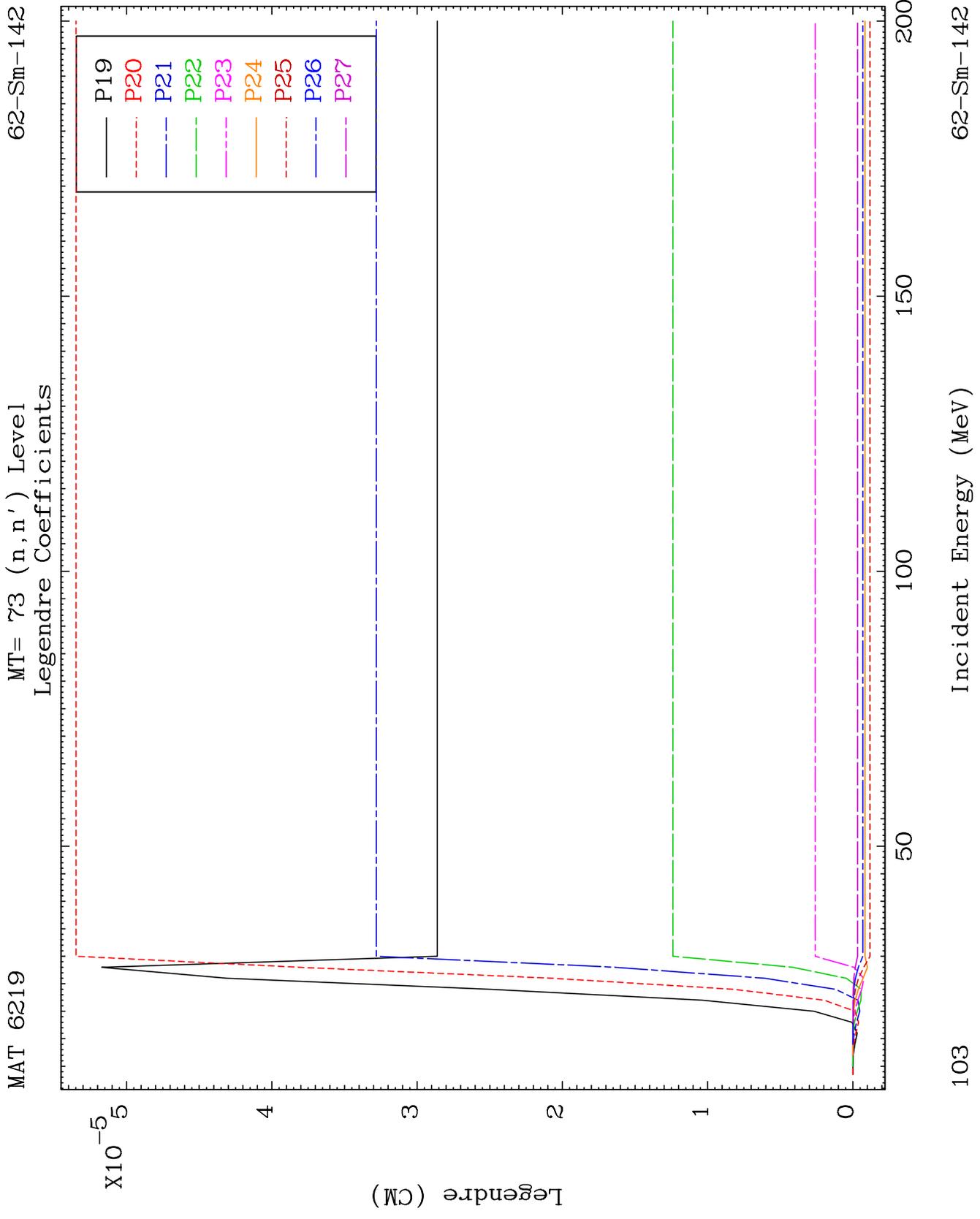
62-Sm-142

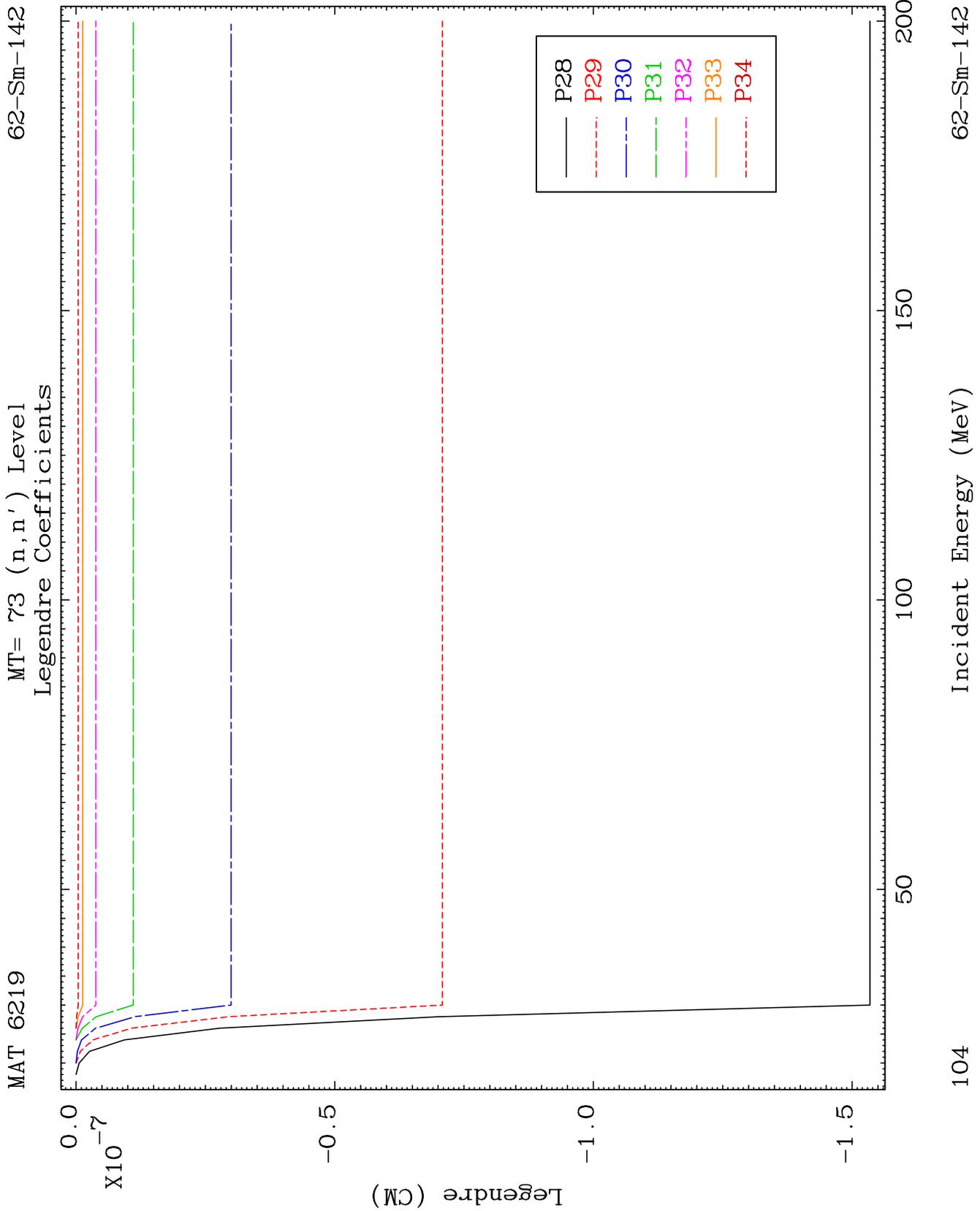


102

Incident Energy (MeV)

62-Sm-142

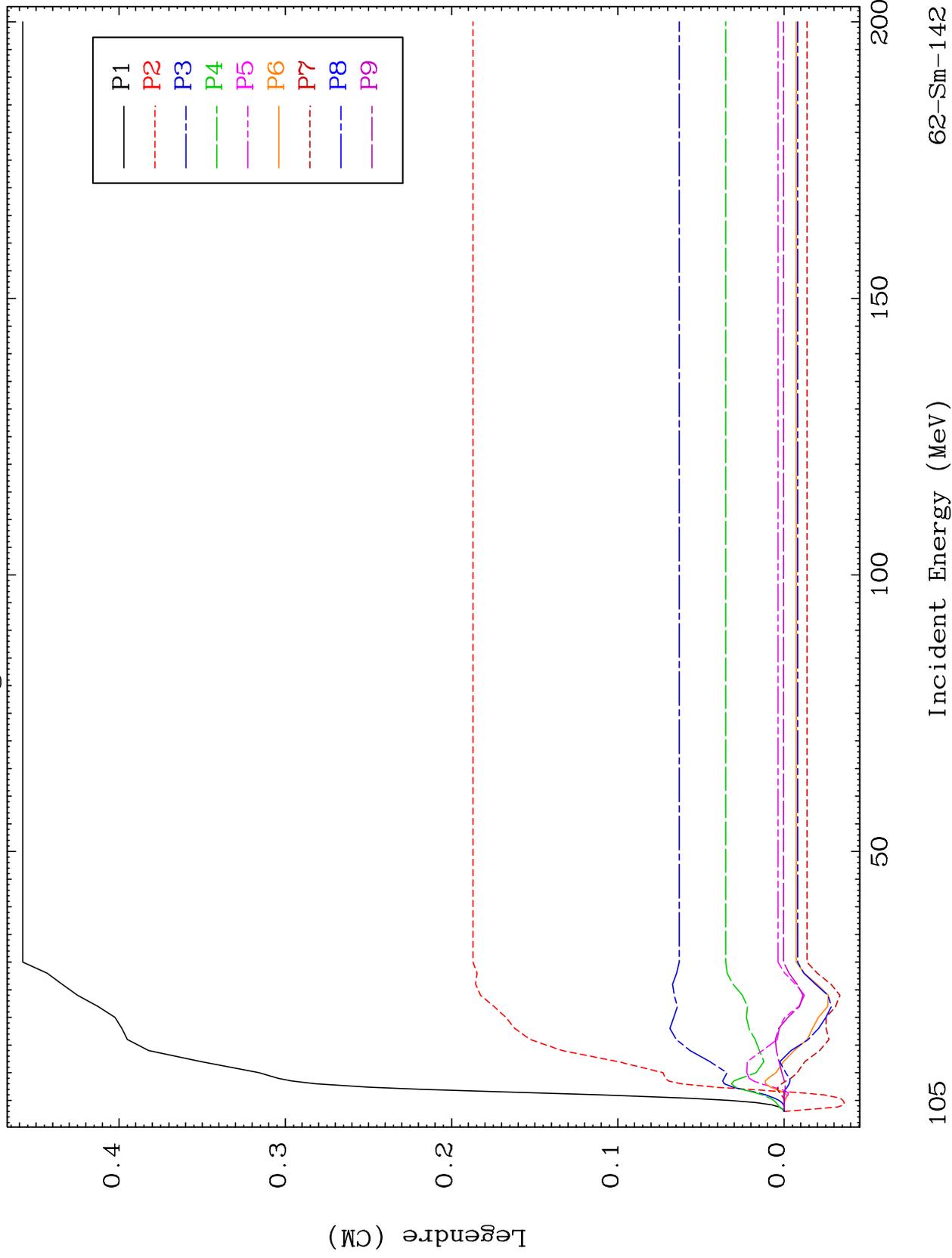




MAT 6219

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

62-Sm-142



62-Sm-142

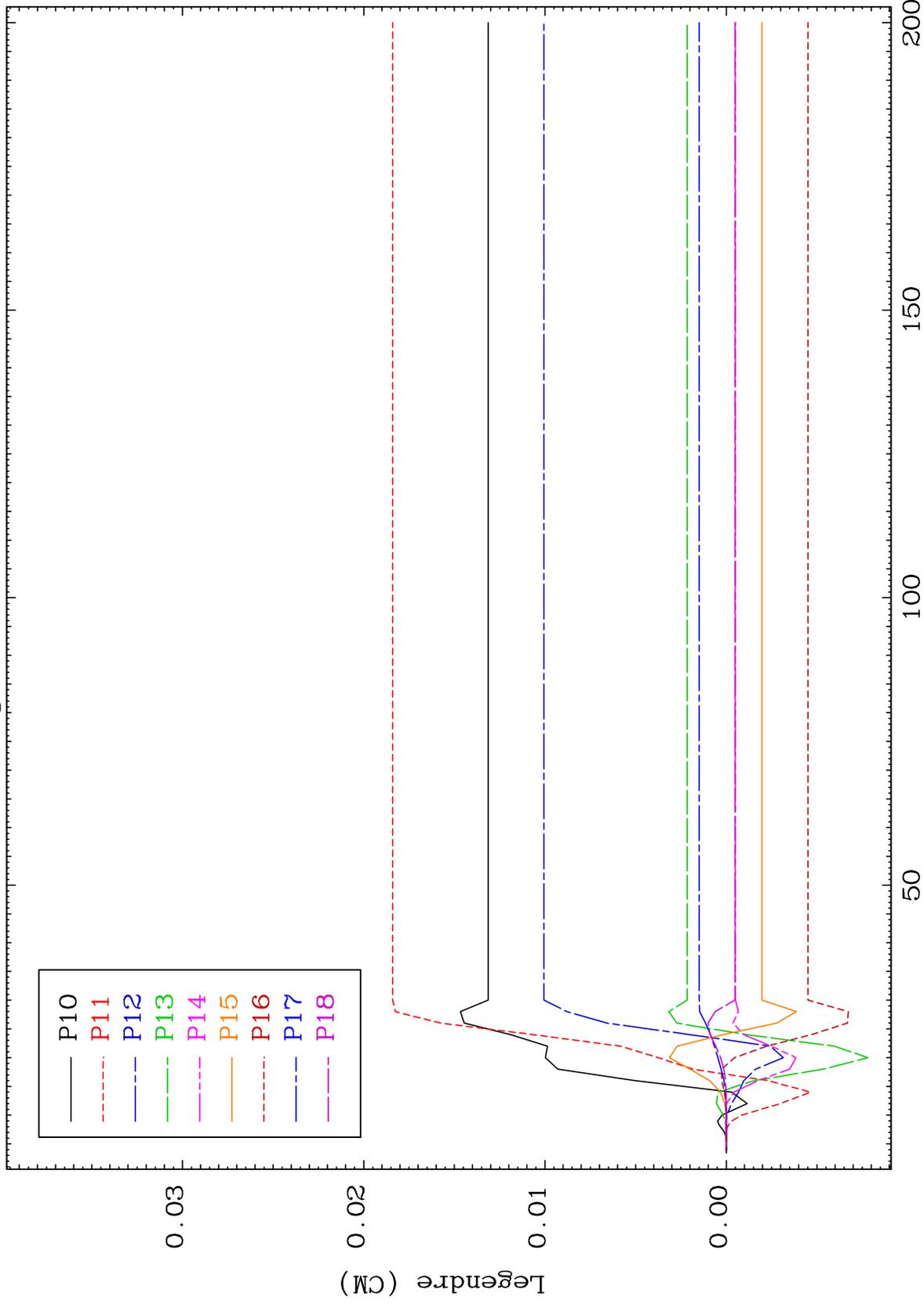
Incident Energy (MeV)

105

MAT 6219

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

62-Sm-142



106

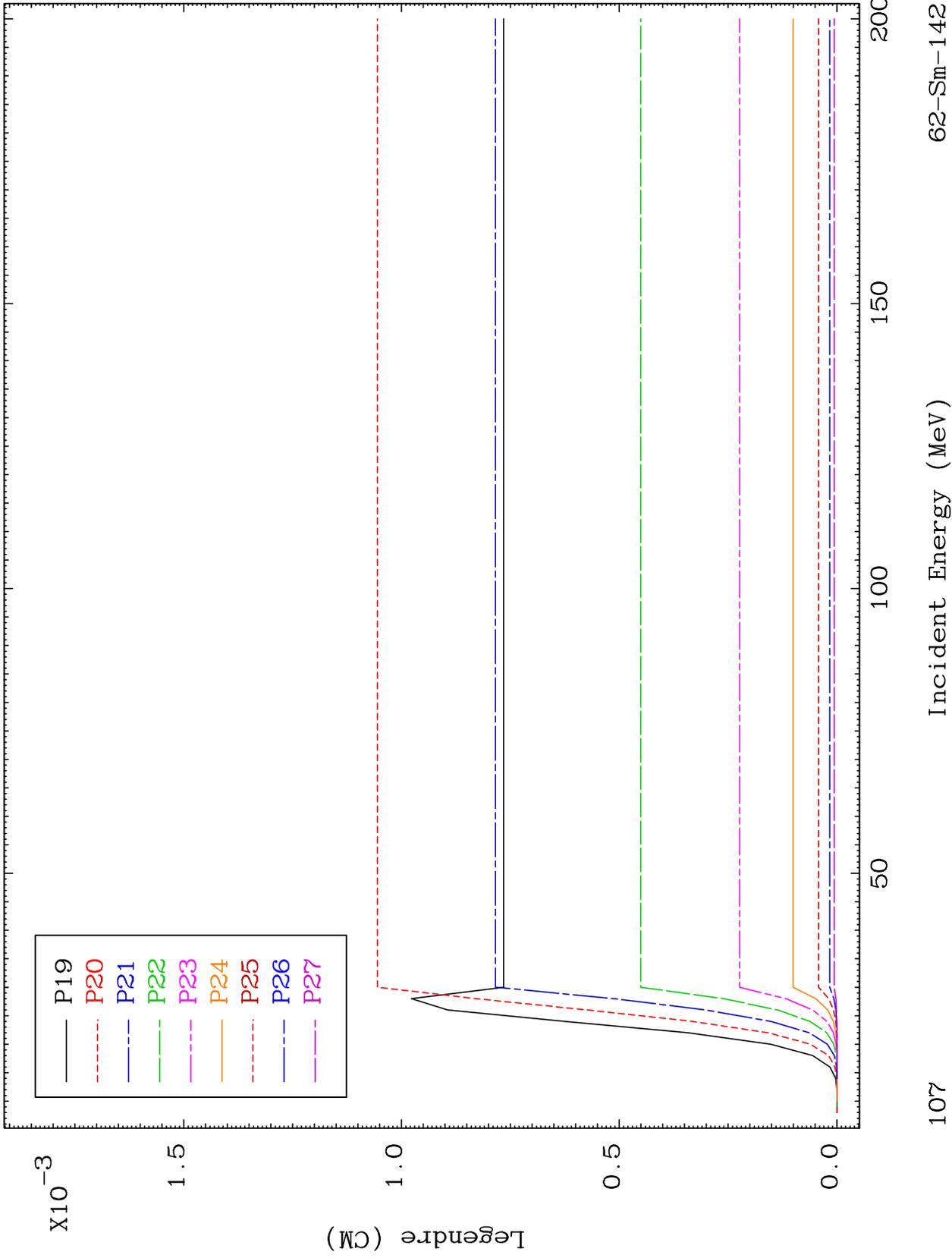
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



107

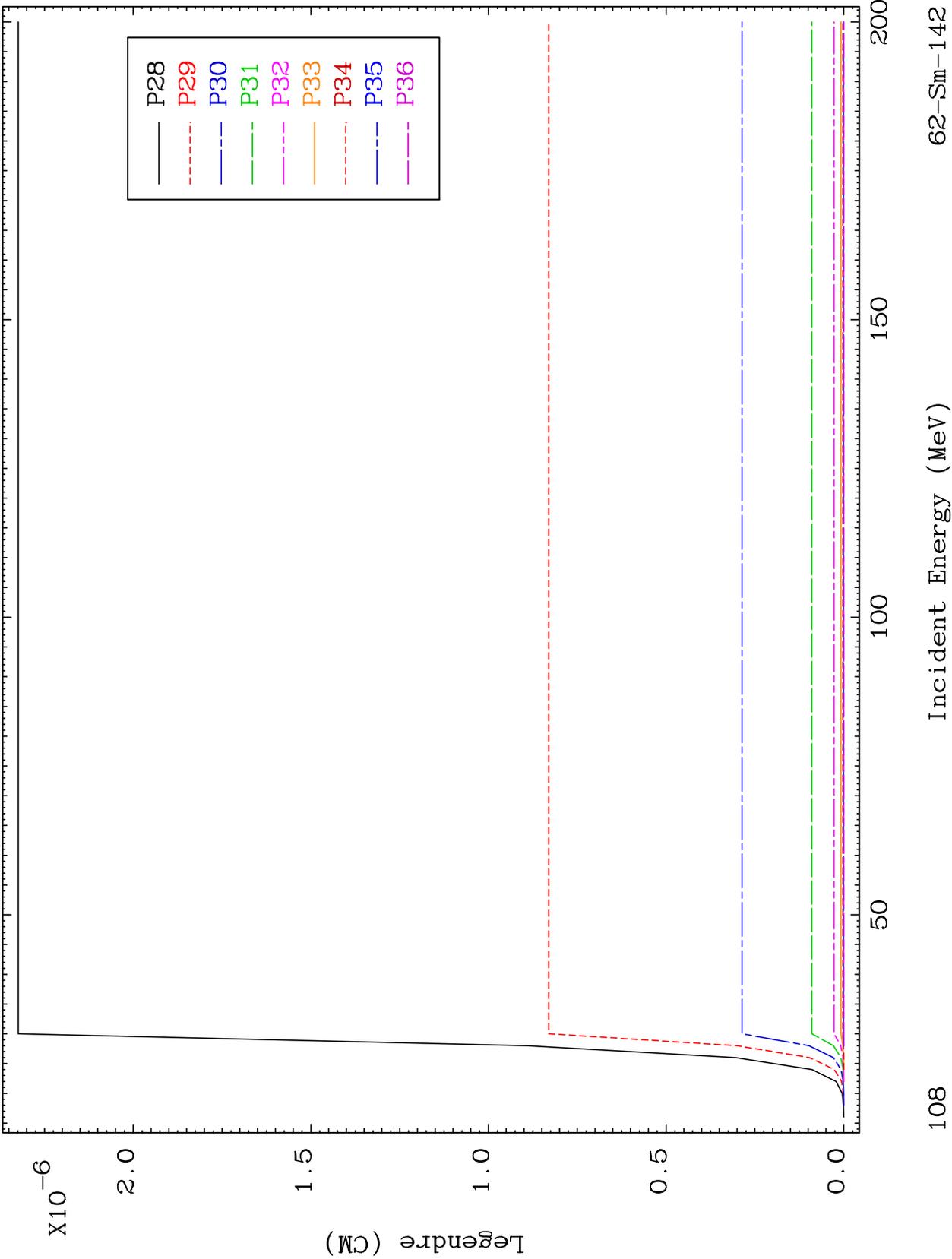
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



108

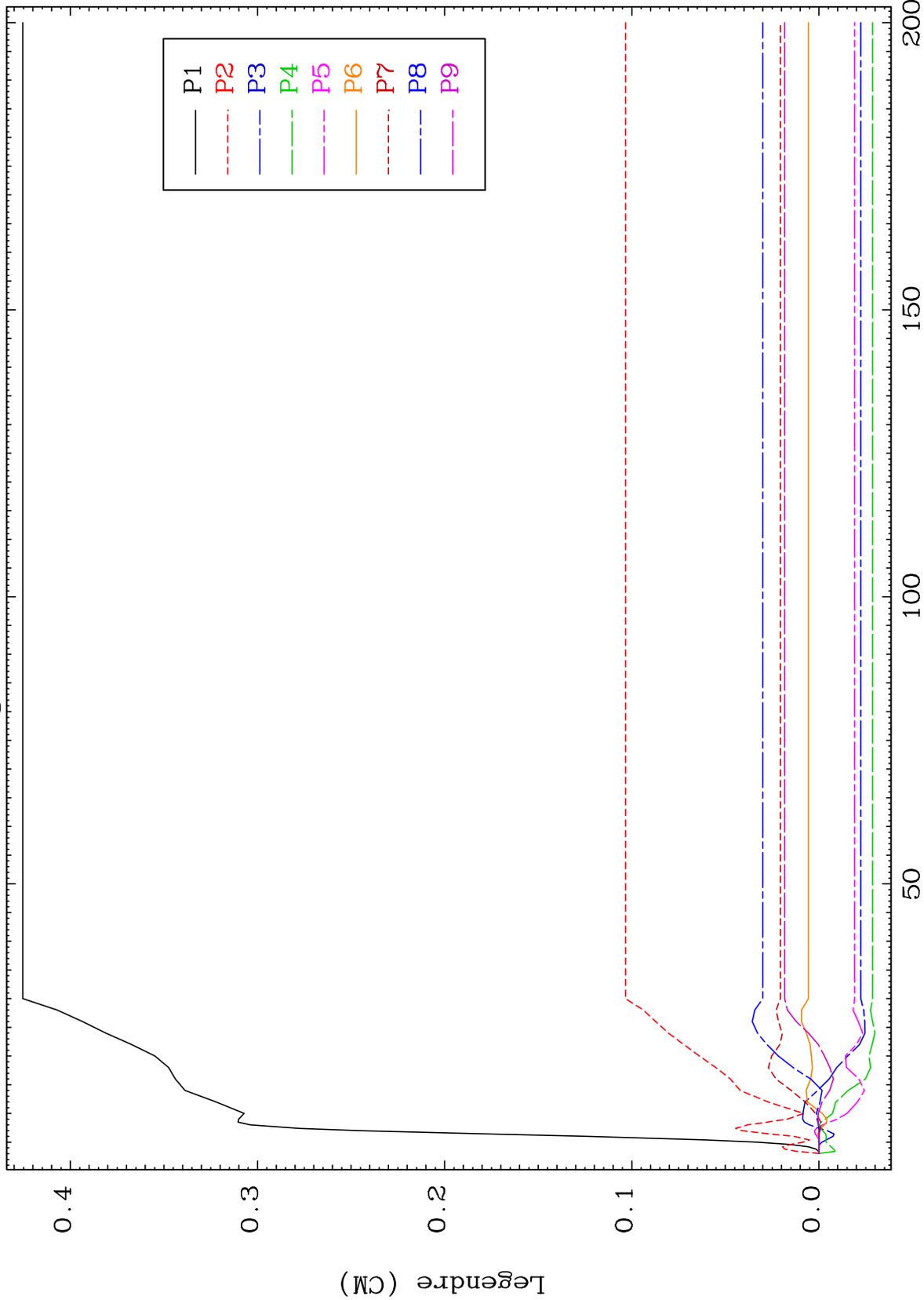
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

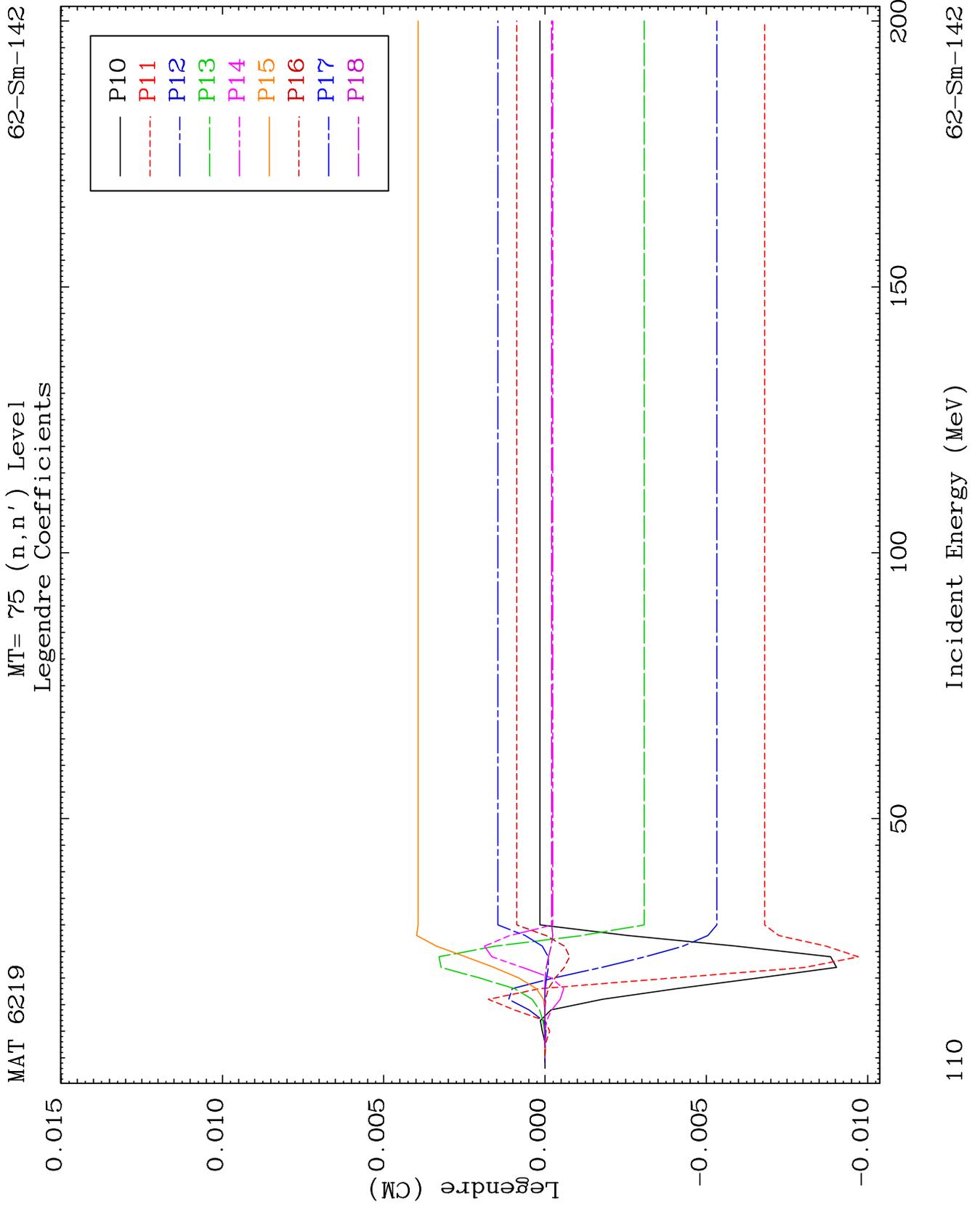
62-Sm-142



109

Incident Energy (MeV)

62-Sm-142

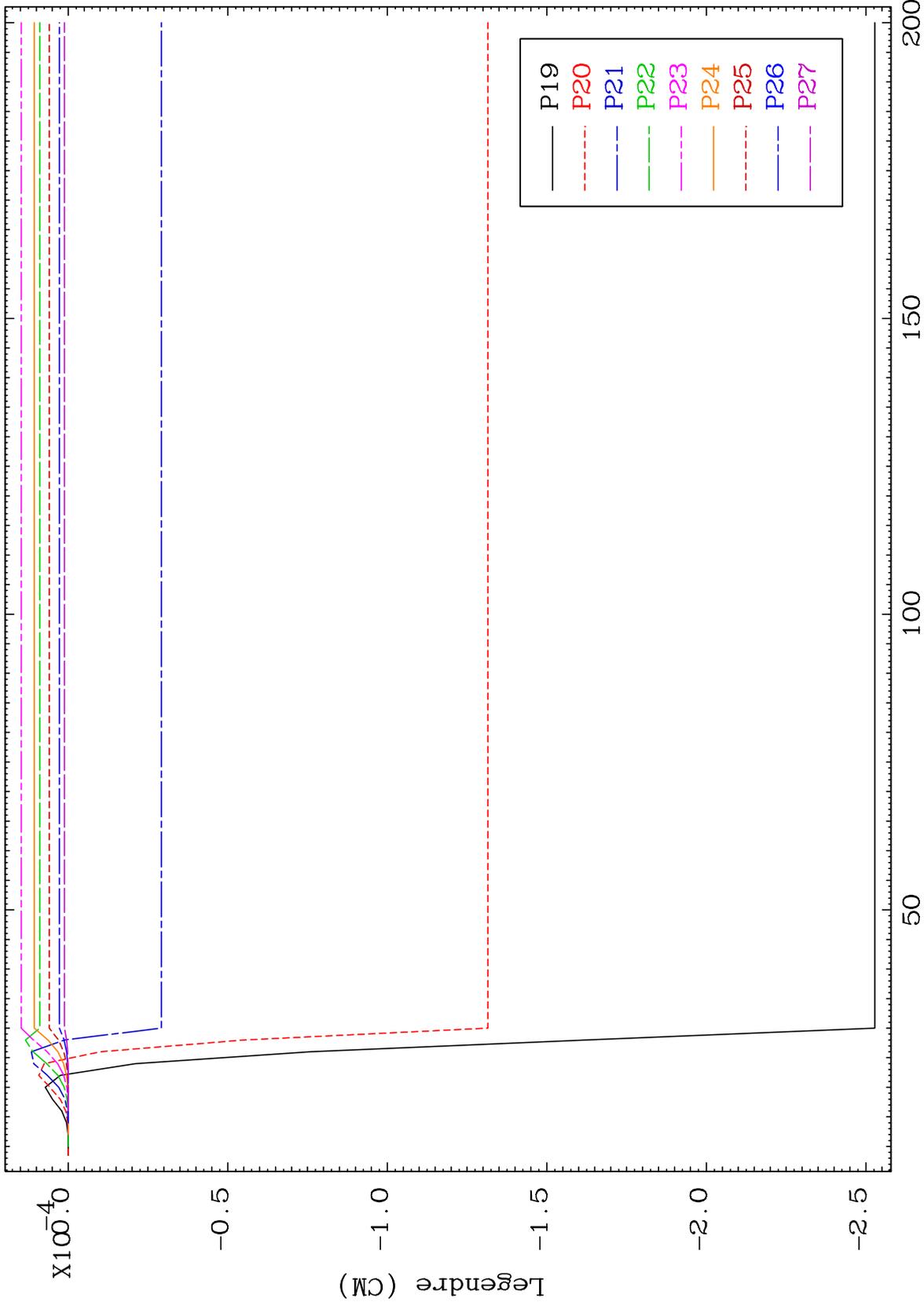


MAT 6219

MT= 75 (n,n') Level

62-Sm-142

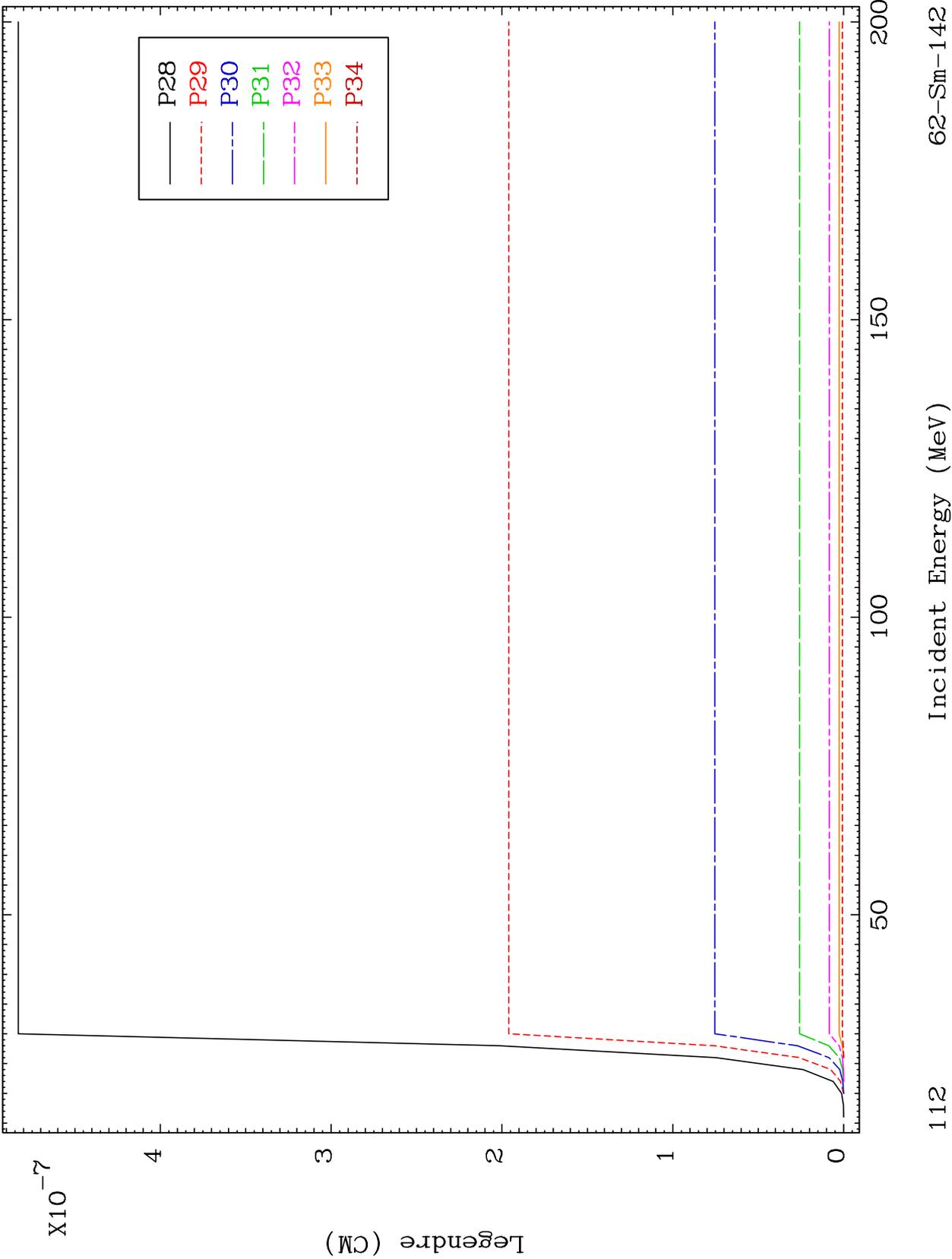
Legendre Coefficients



MAT 6219

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

62-Sm-142



112

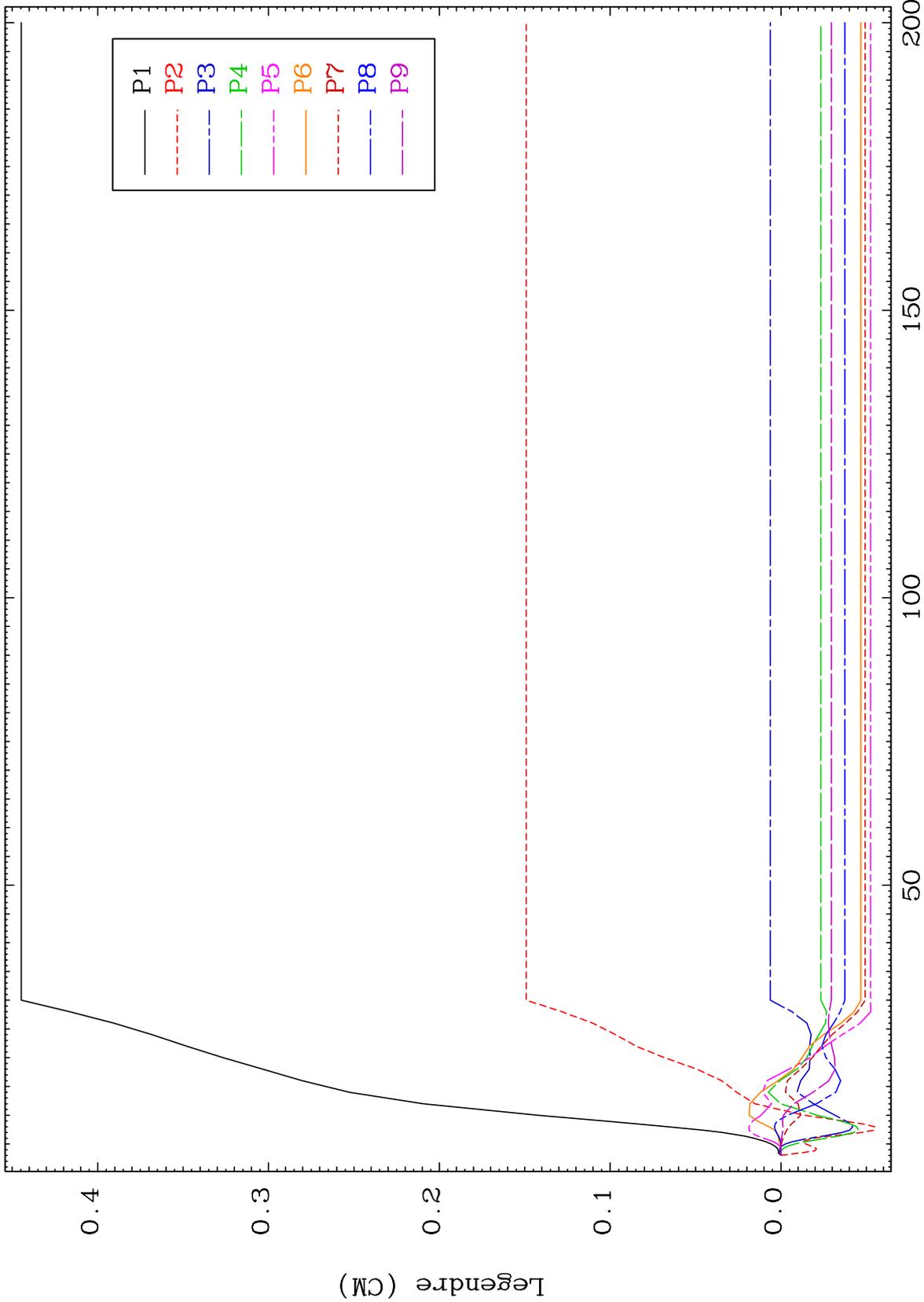
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



113

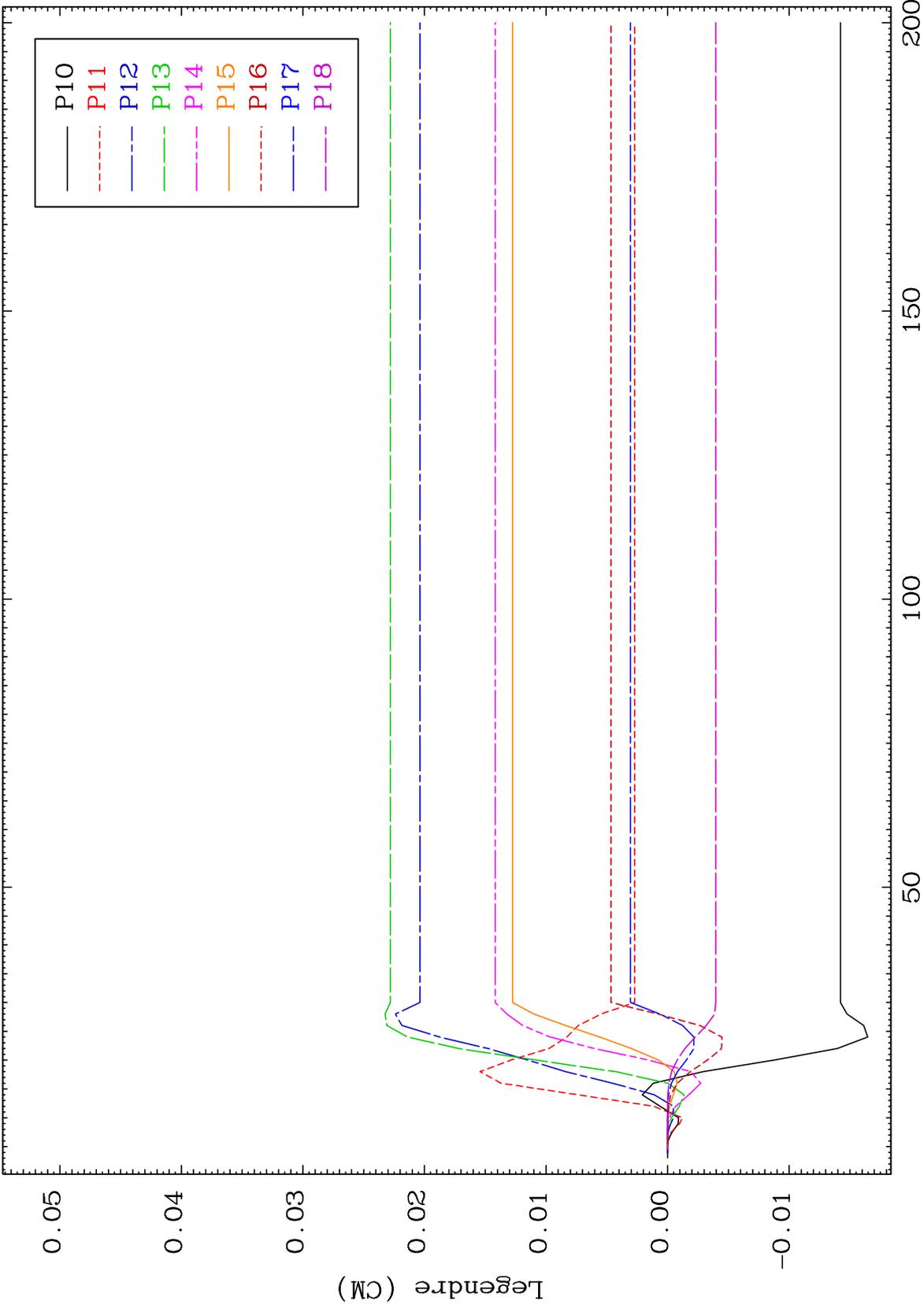
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

62-Sm-142



114

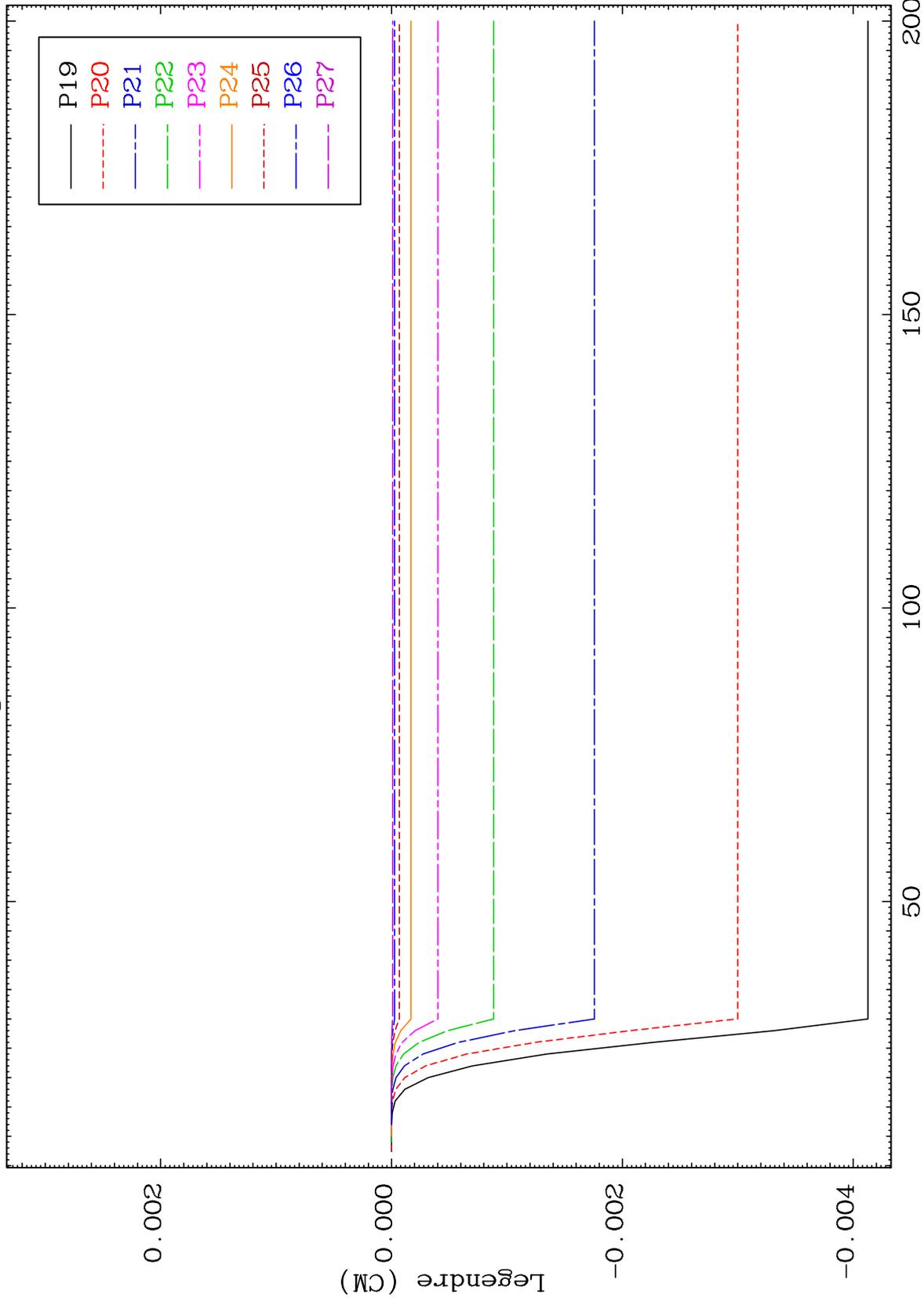
Incident Energy (MeV)

62-Sm-142

MAT 6219

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

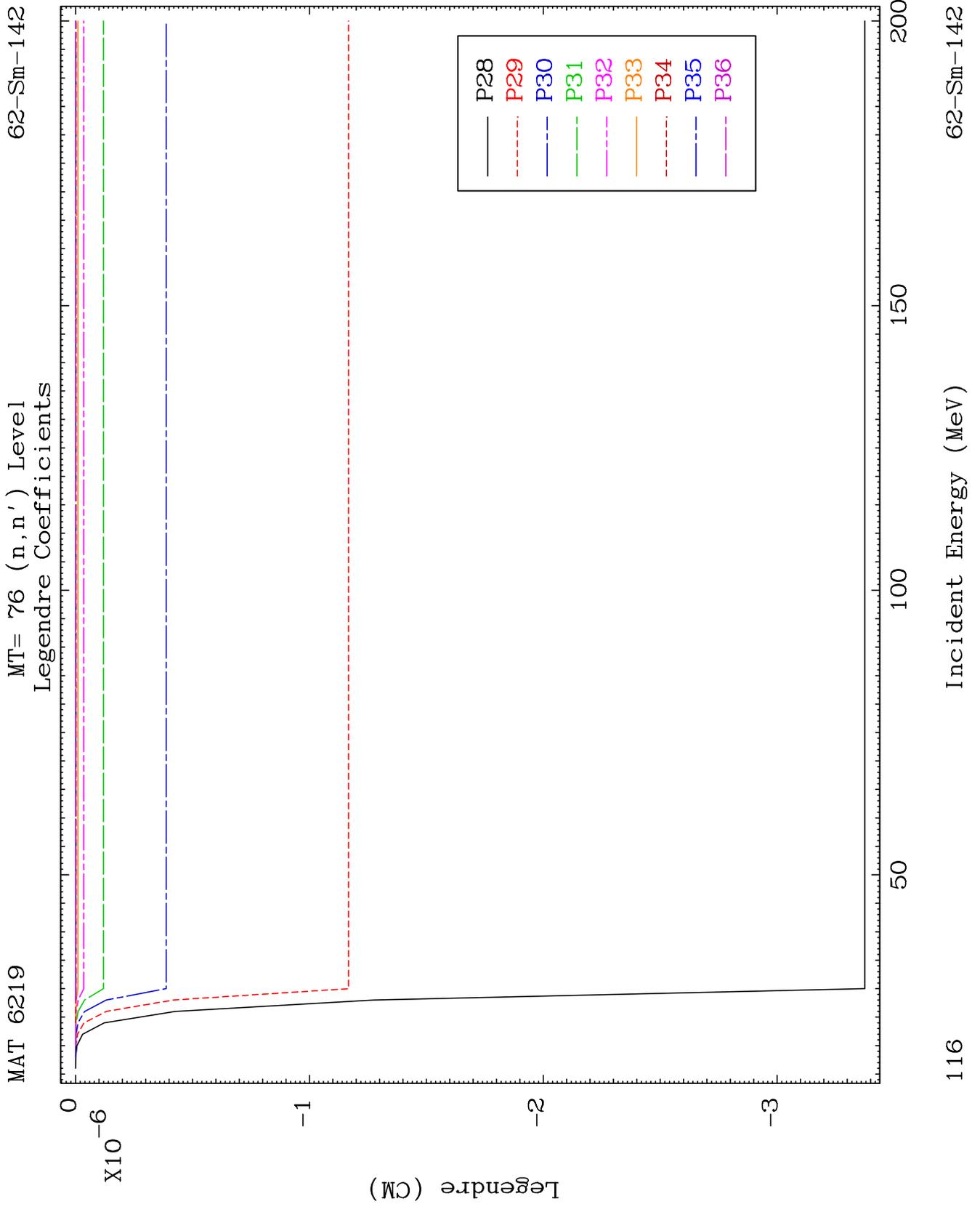
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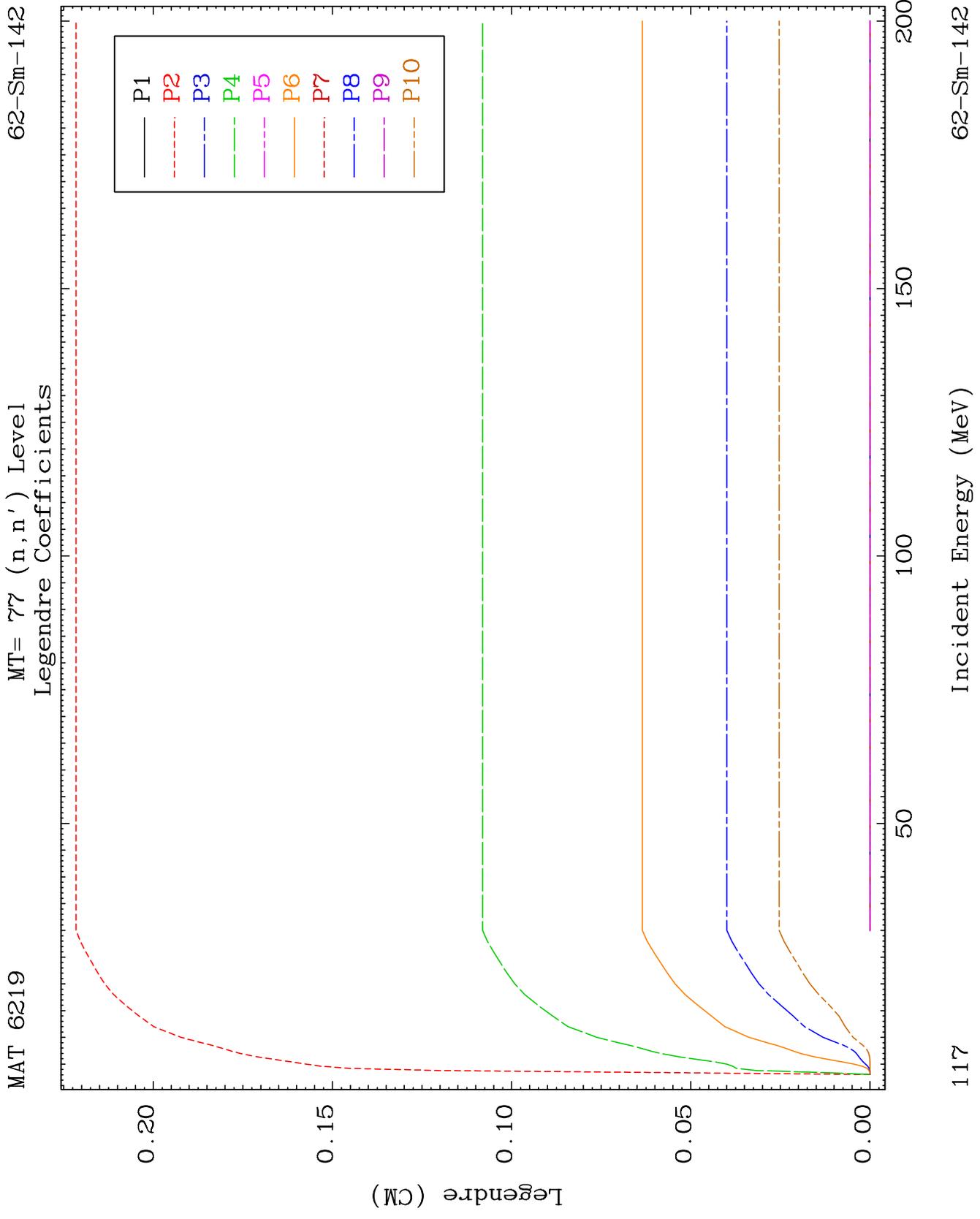


115

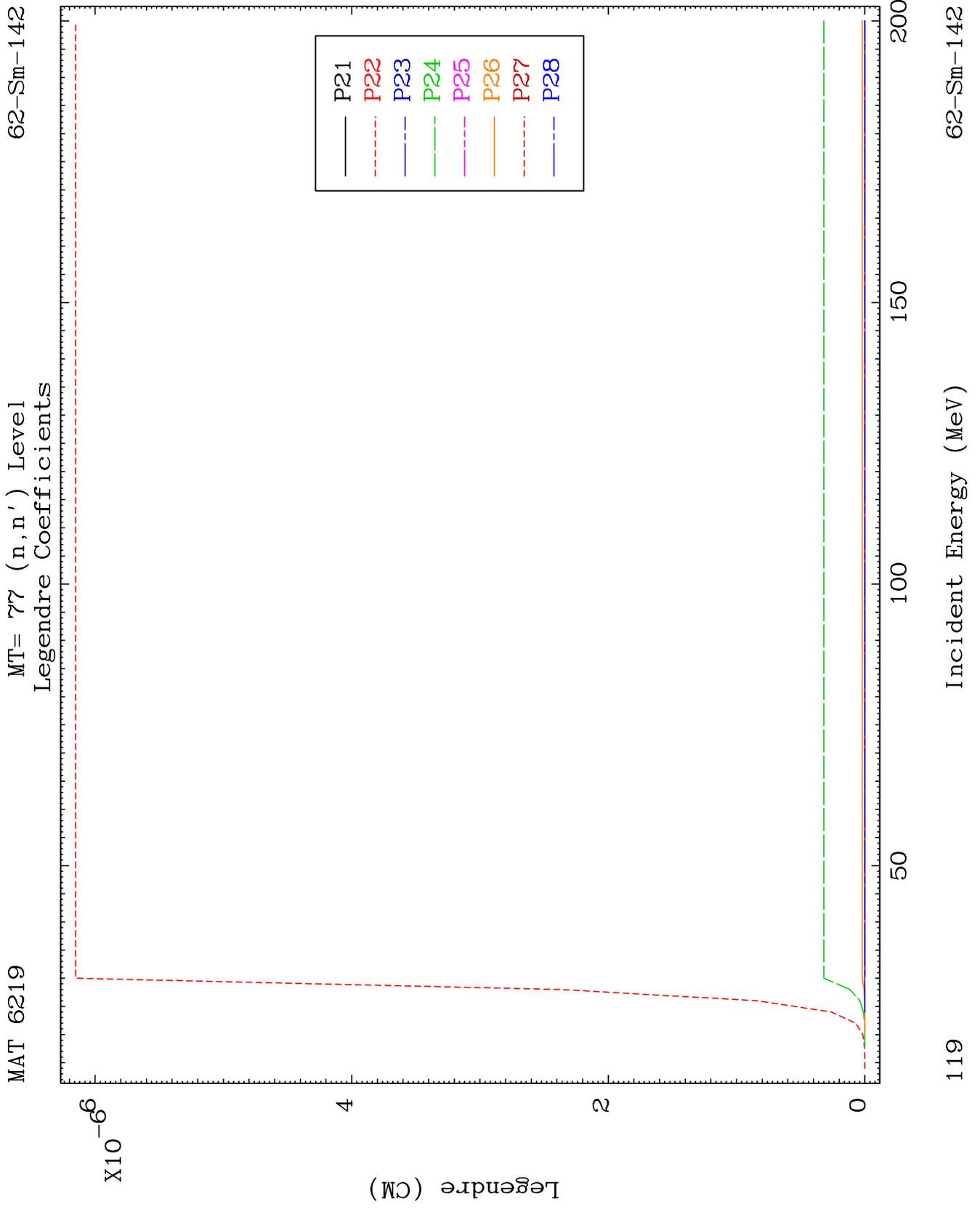
Incident Energy (MeV)

62-Sm-142







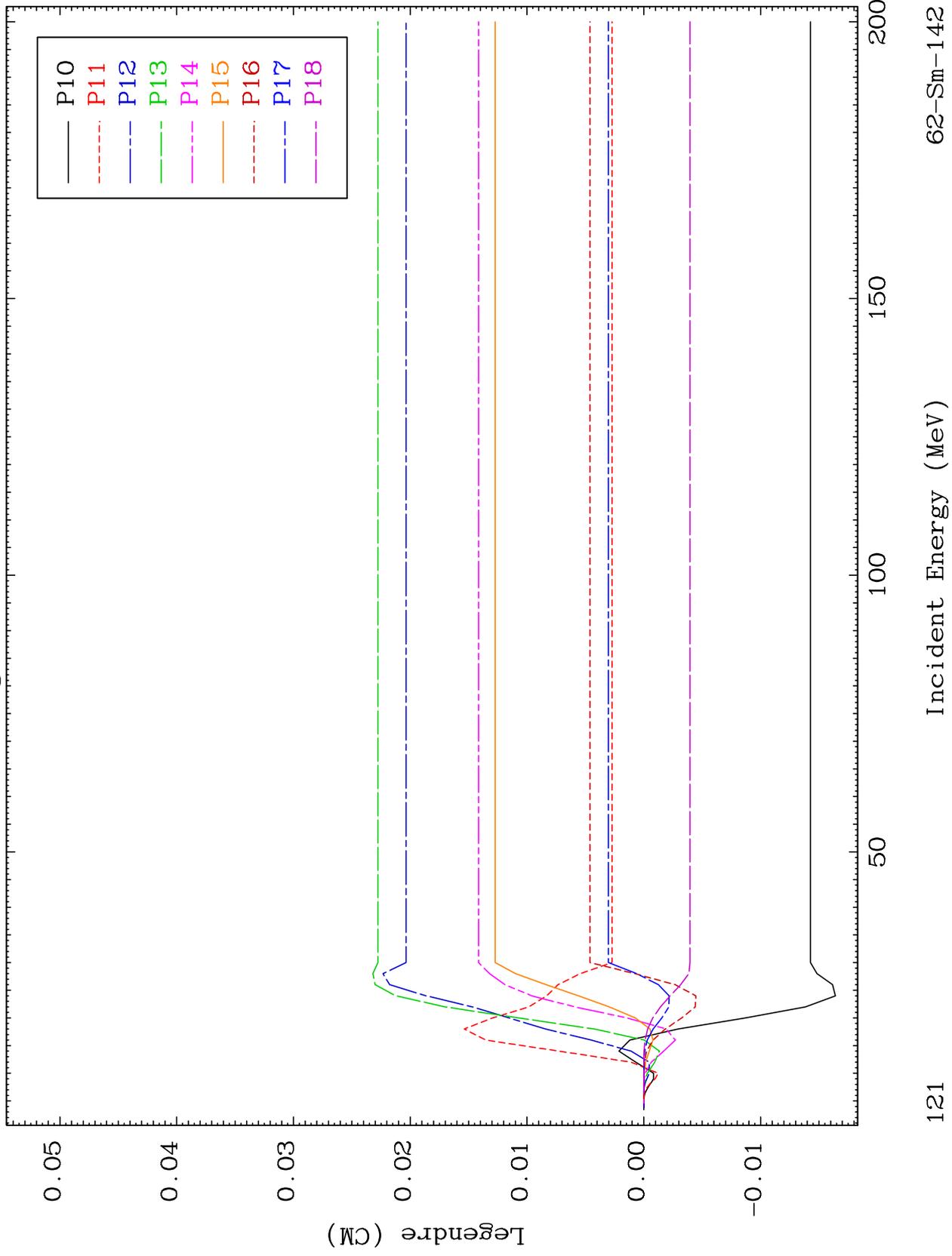




MAT 6219

MT= 78 (n,n') Level  
Legendre Coefficients

62-Sm-142

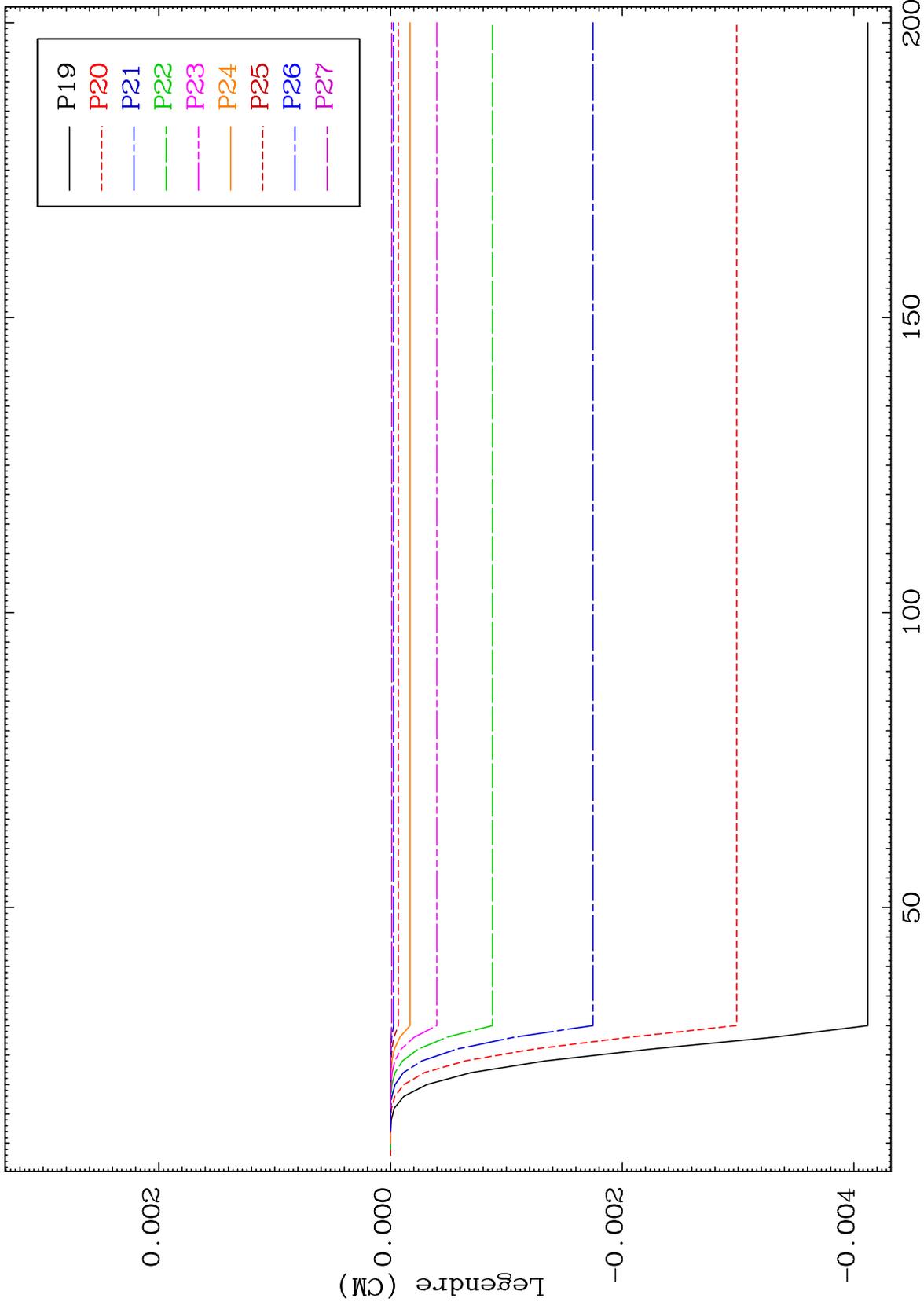


121

MAT 6219

MT= 78 (n,n') Level  
Legendre Coefficients

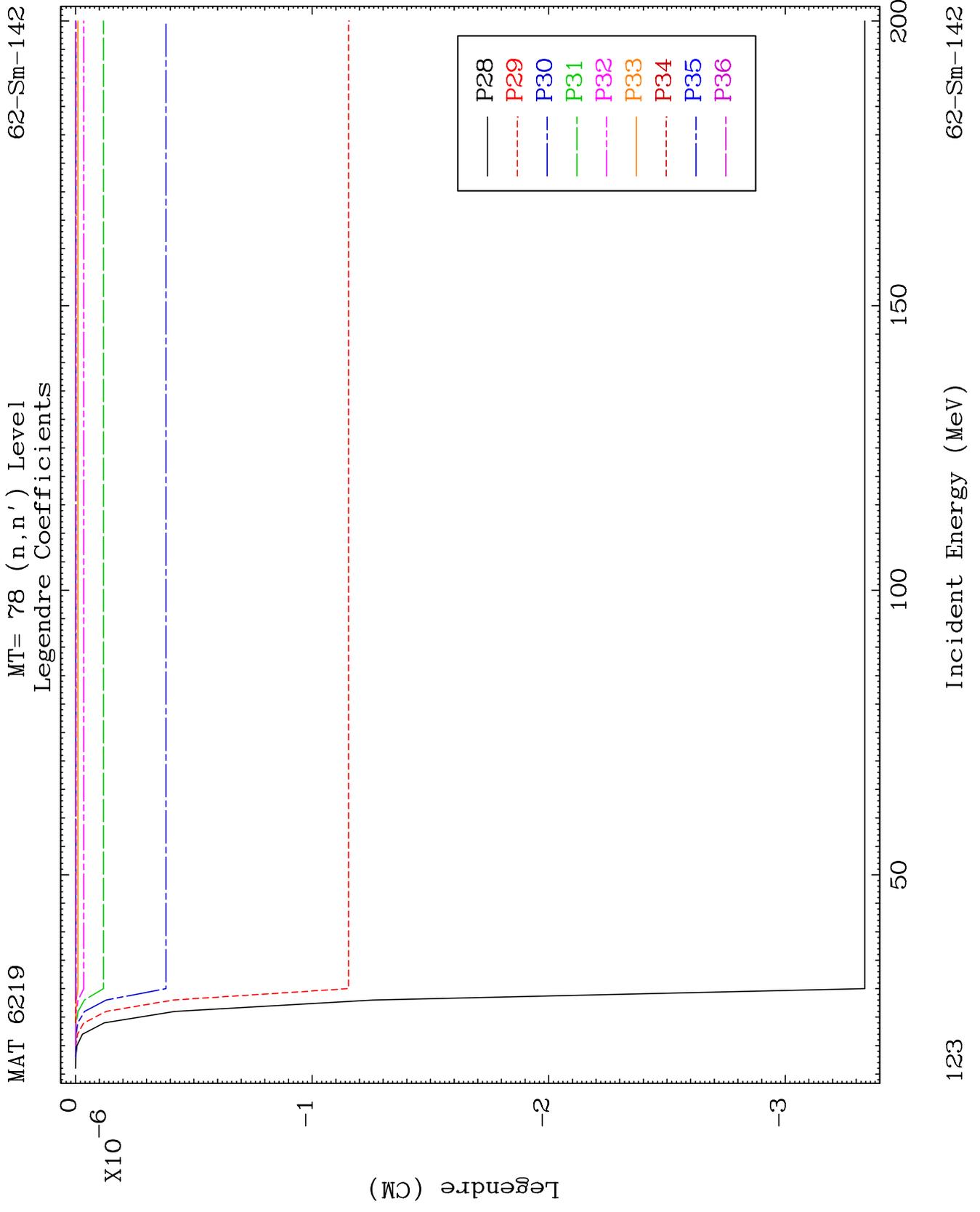
62-Sm-142



122

Incident Energy (MeV)

62-Sm-142

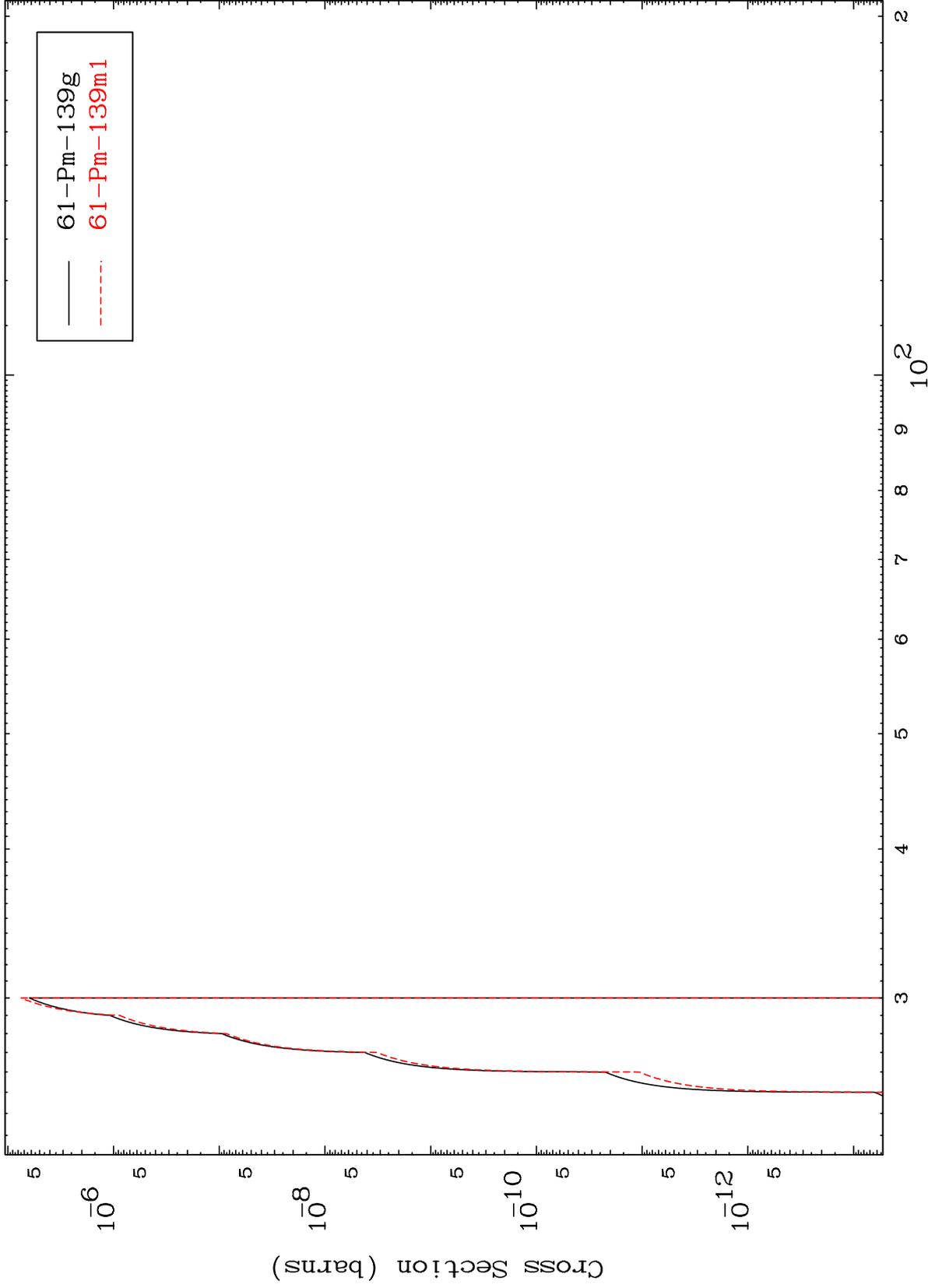


MAT 6219

(n,2n) d

62-Sm-142

Radionuclide Production Cross Section



124

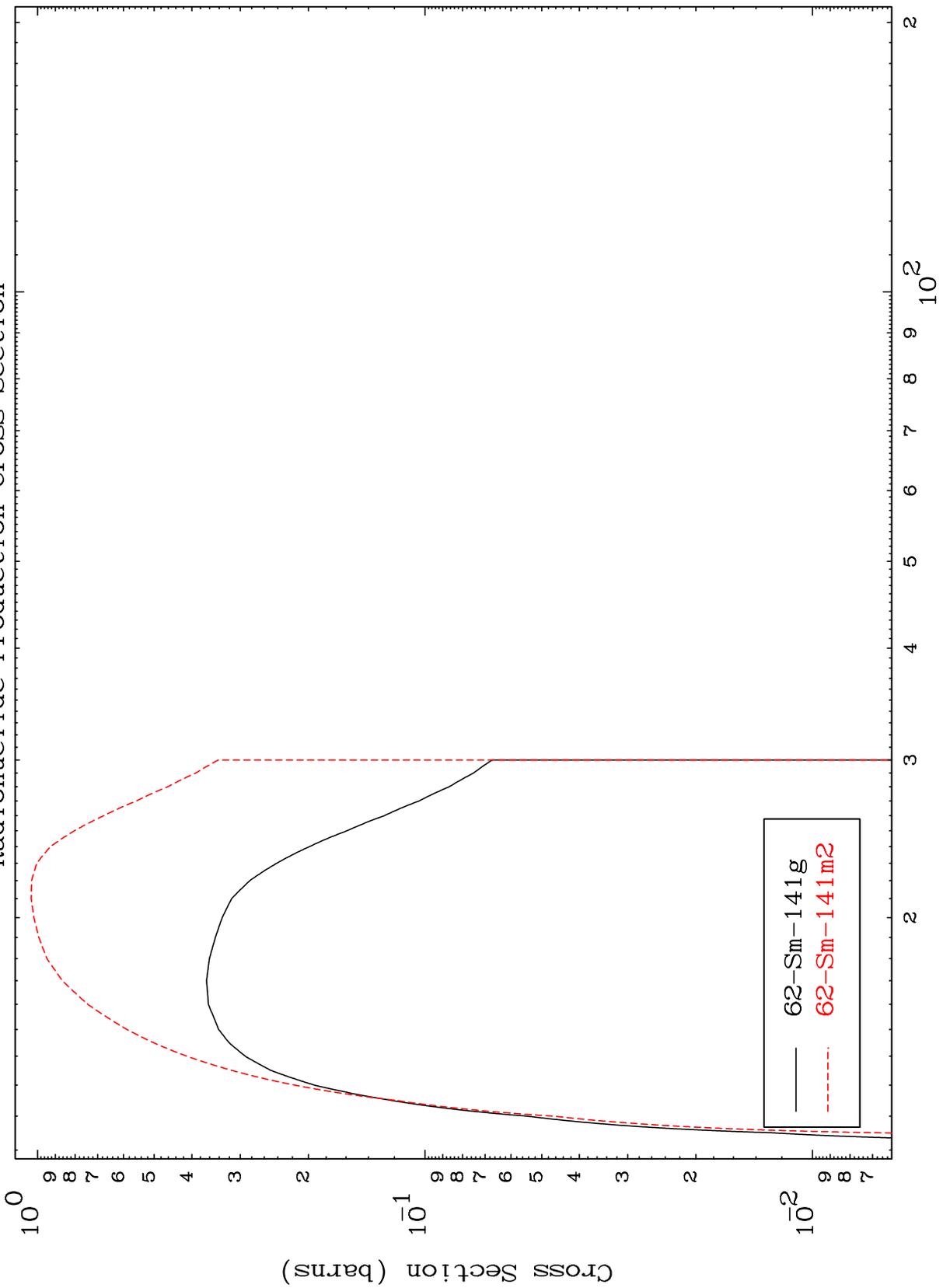
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

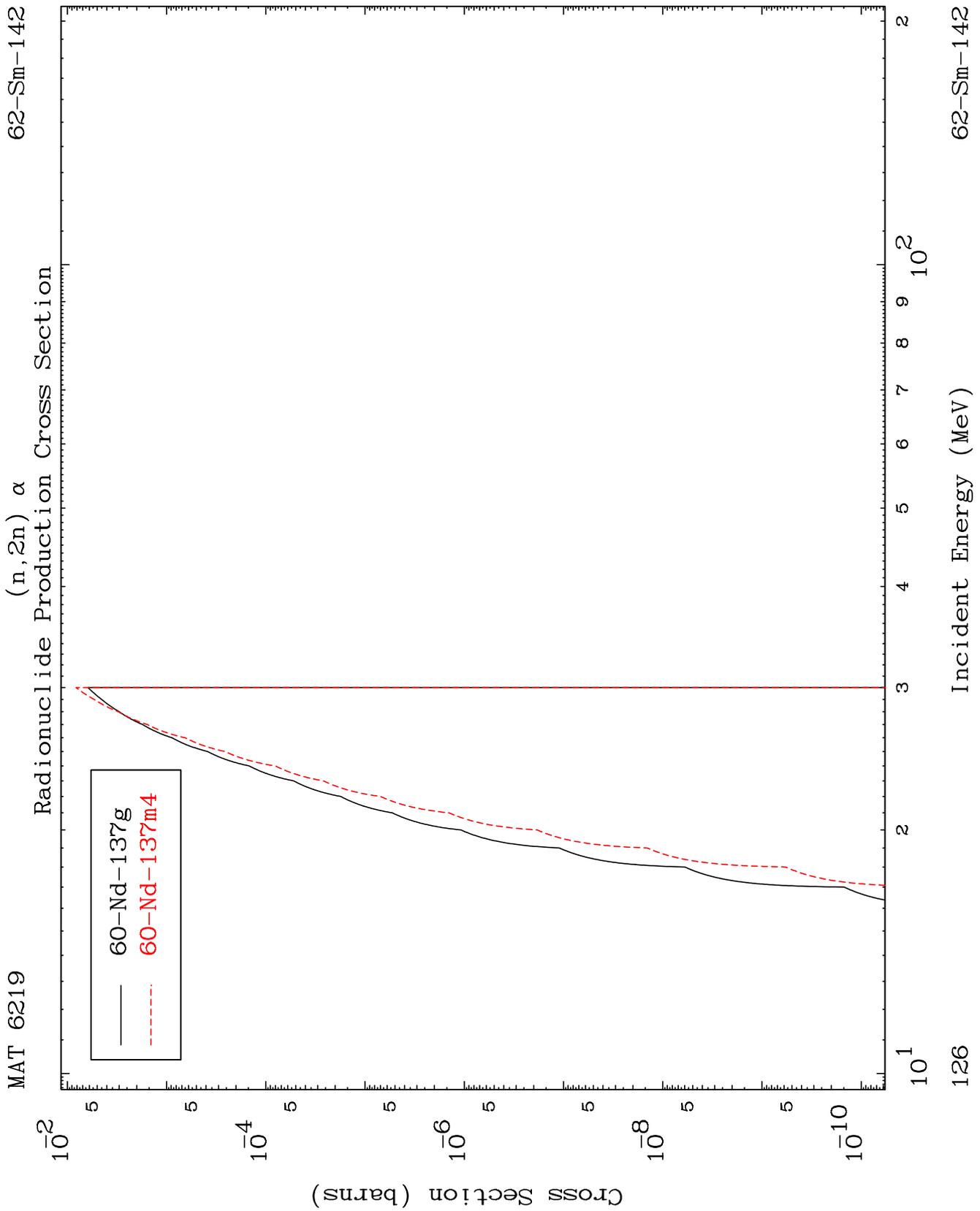
(n,2n)  
Radionuclide Production Cross Section



125

Incident Energy (MeV)

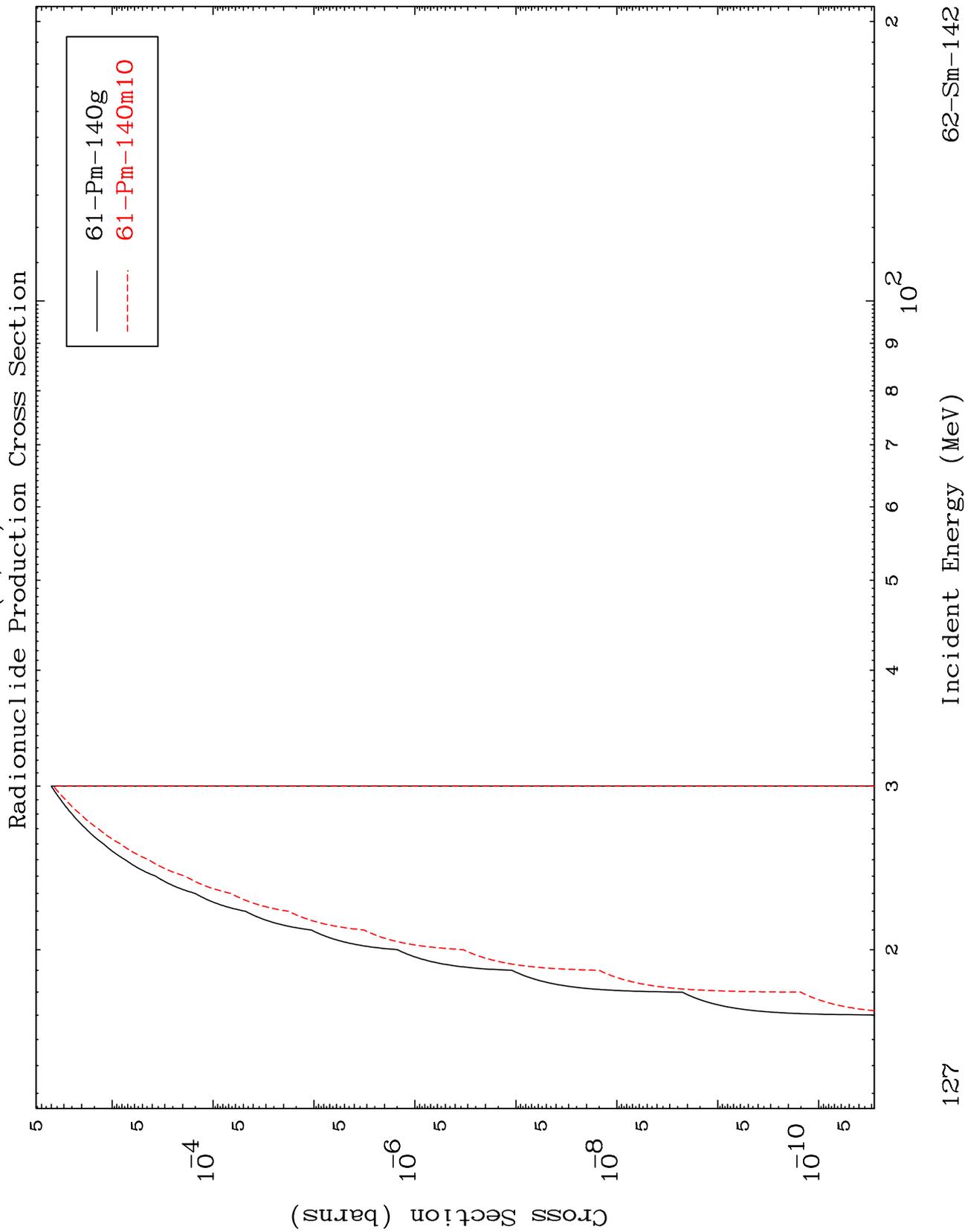
62-Sm-142



MAT 6219

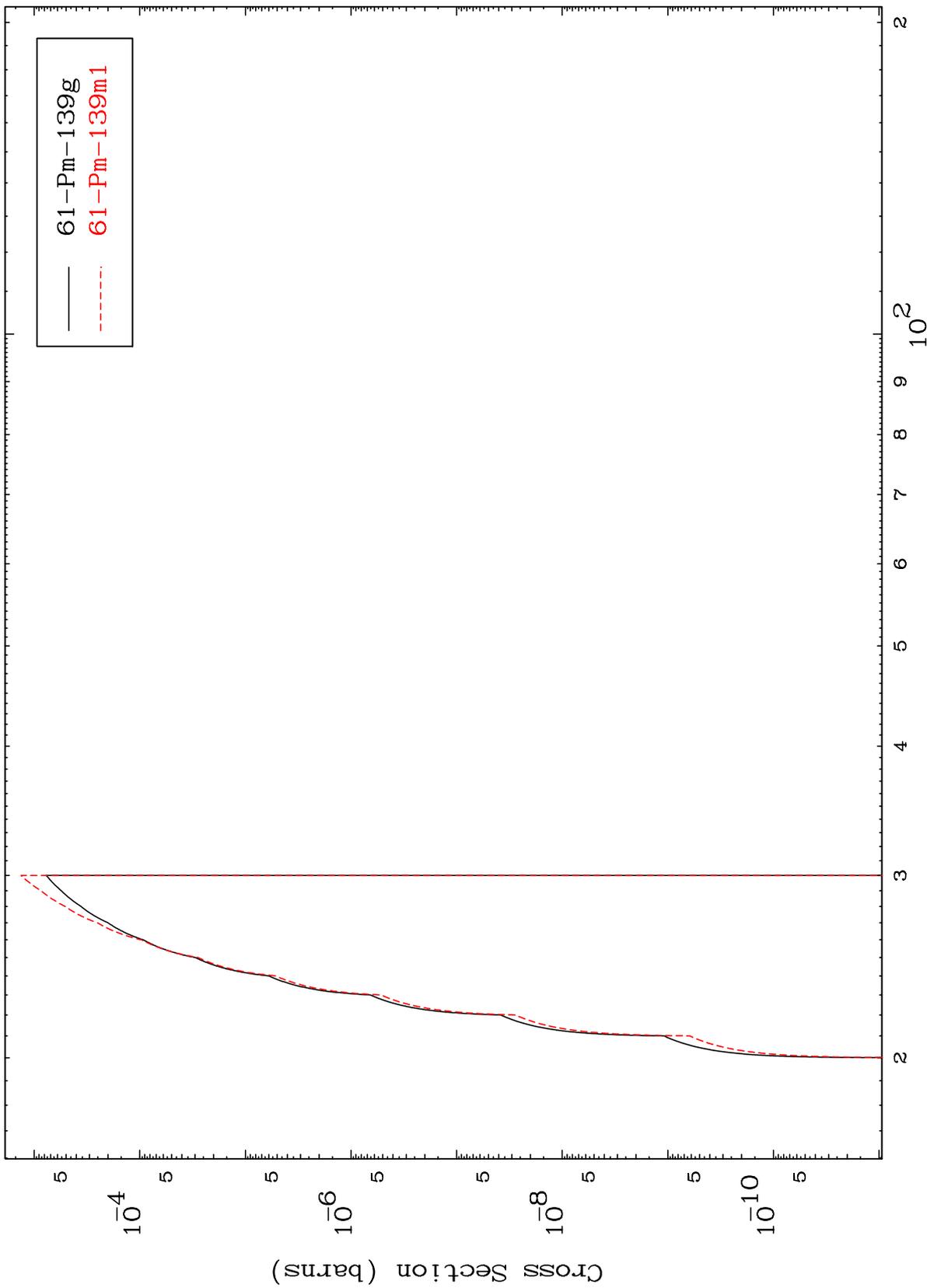
(n,n') d

62-Sm-142

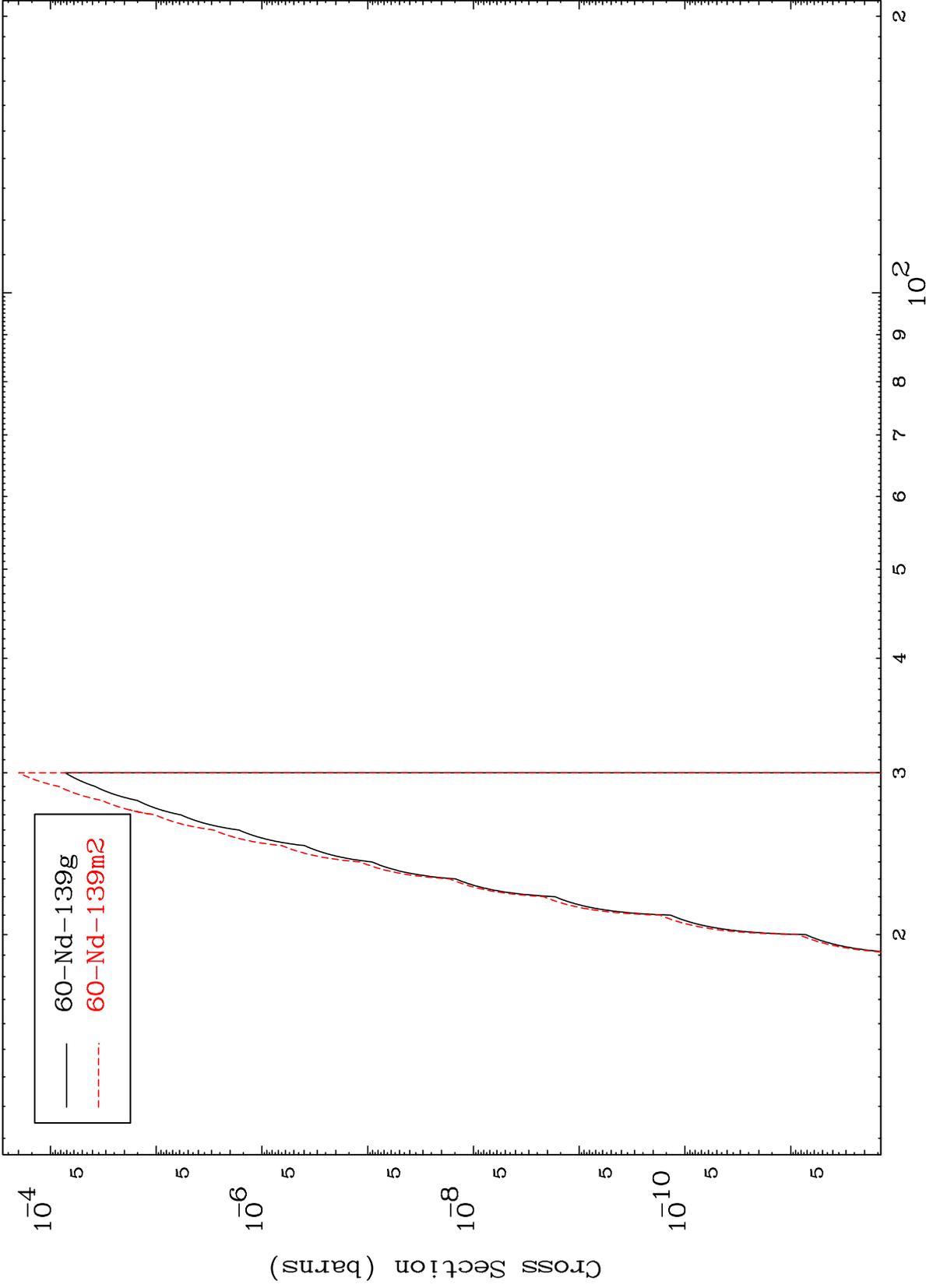


127

Radionuclide Production Cross Section



Radionuclide Production Cross Section

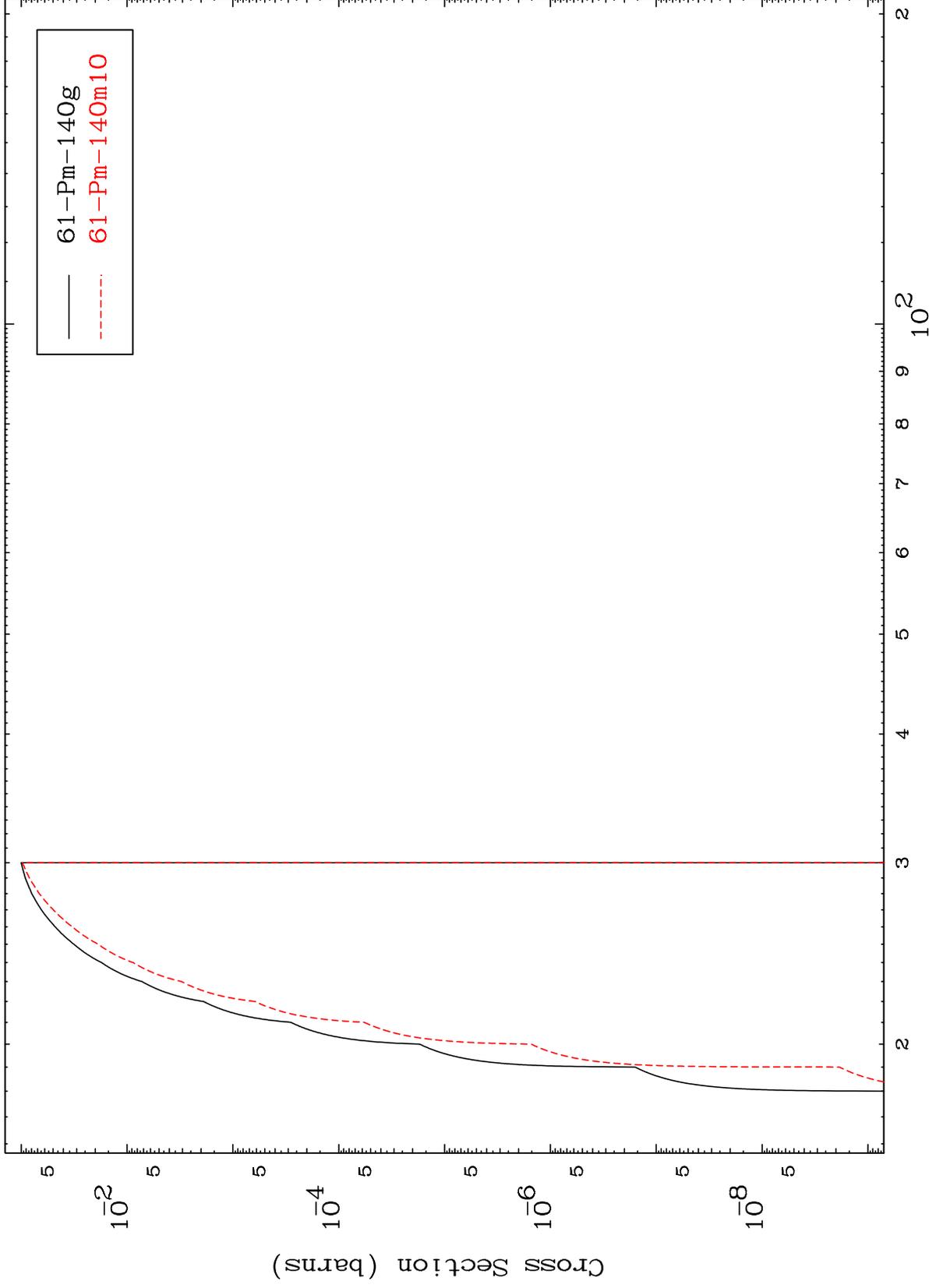


MAT 6219

(n,2n) p

62-Sm-142

Radionuclide Production Cross Section



130

Incident Energy (MeV)

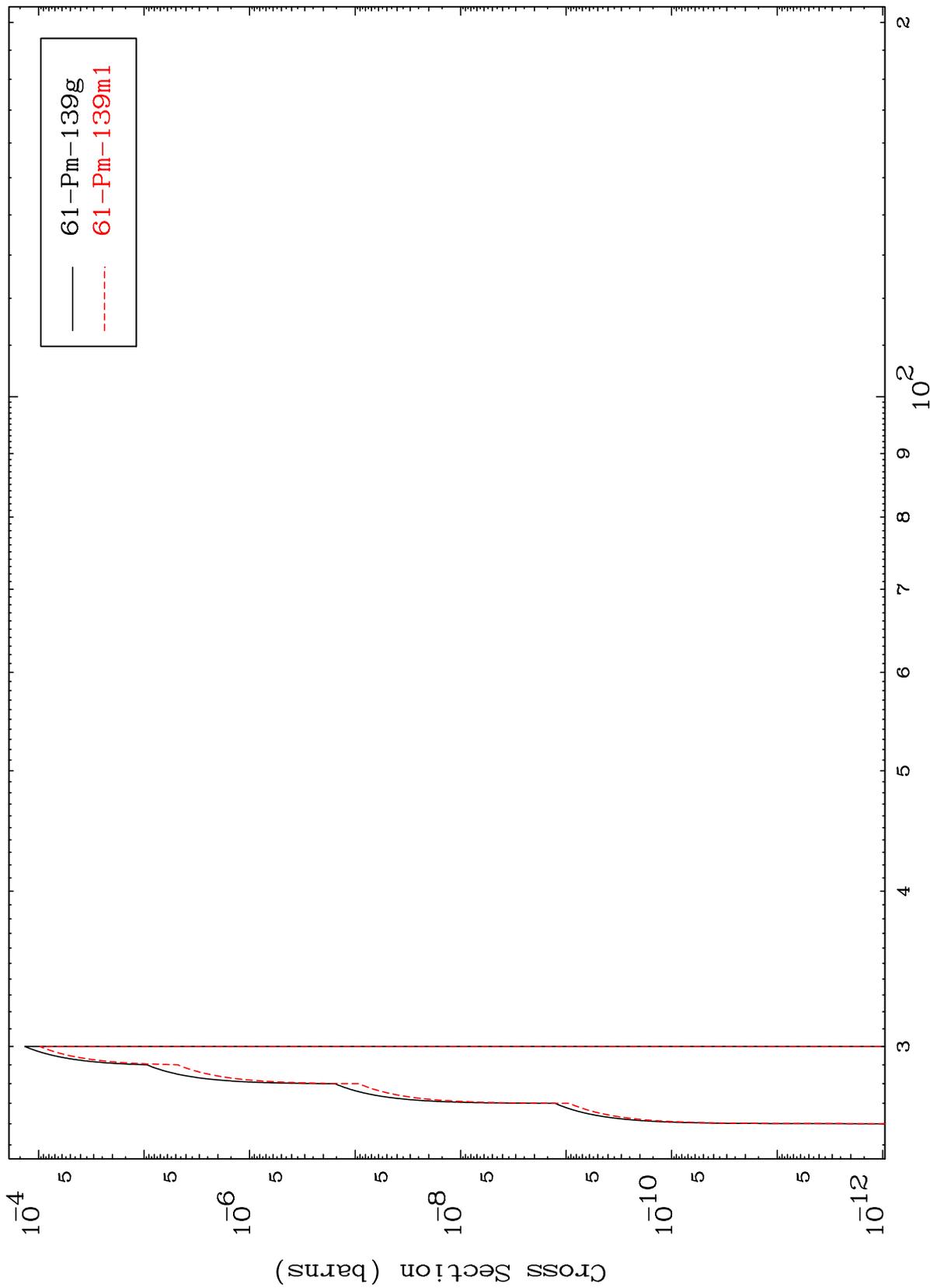
62-Sm-142

MAT 6219

(n,3n) p

62-Sm-142

Radionuclide Production Cross Section



131

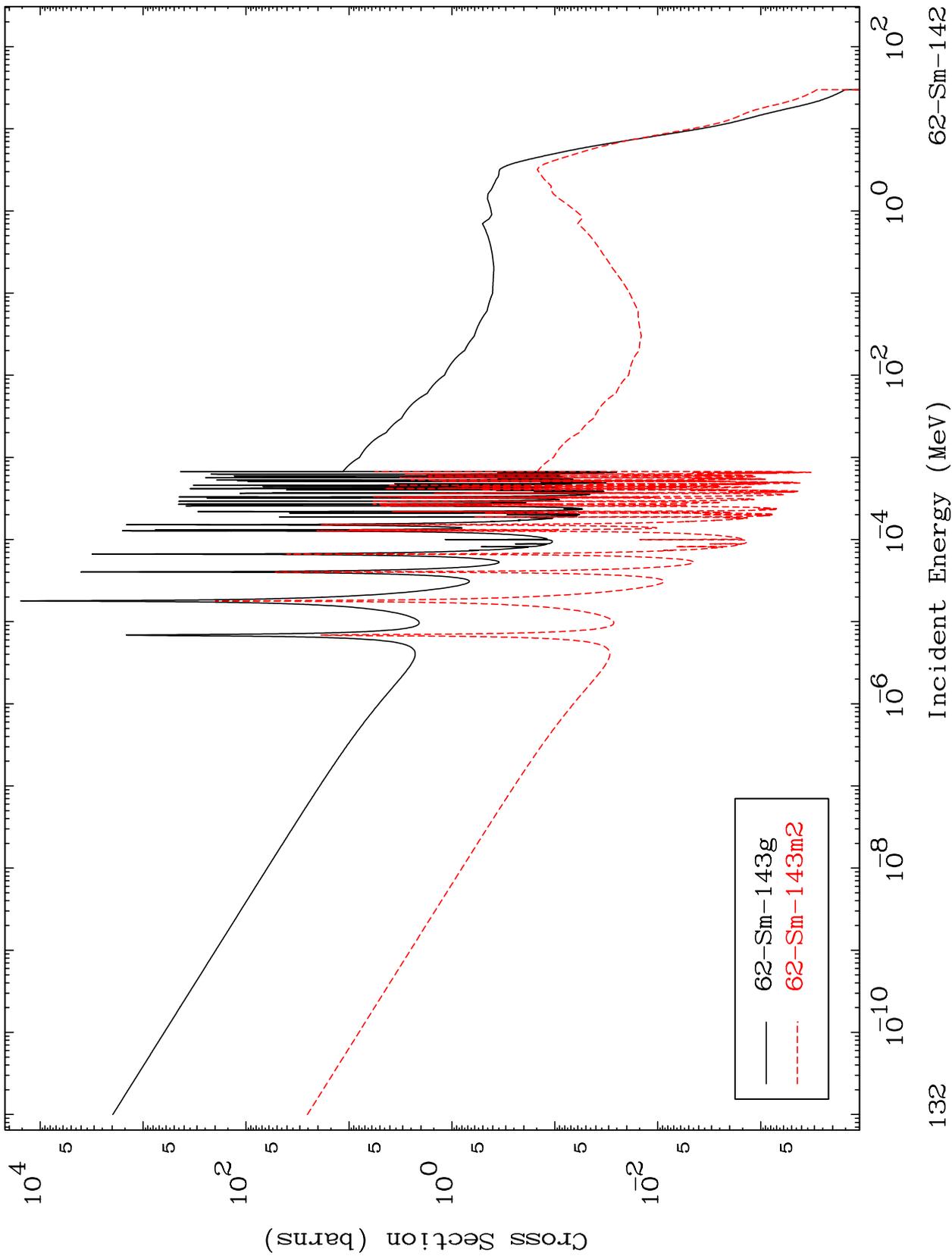
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

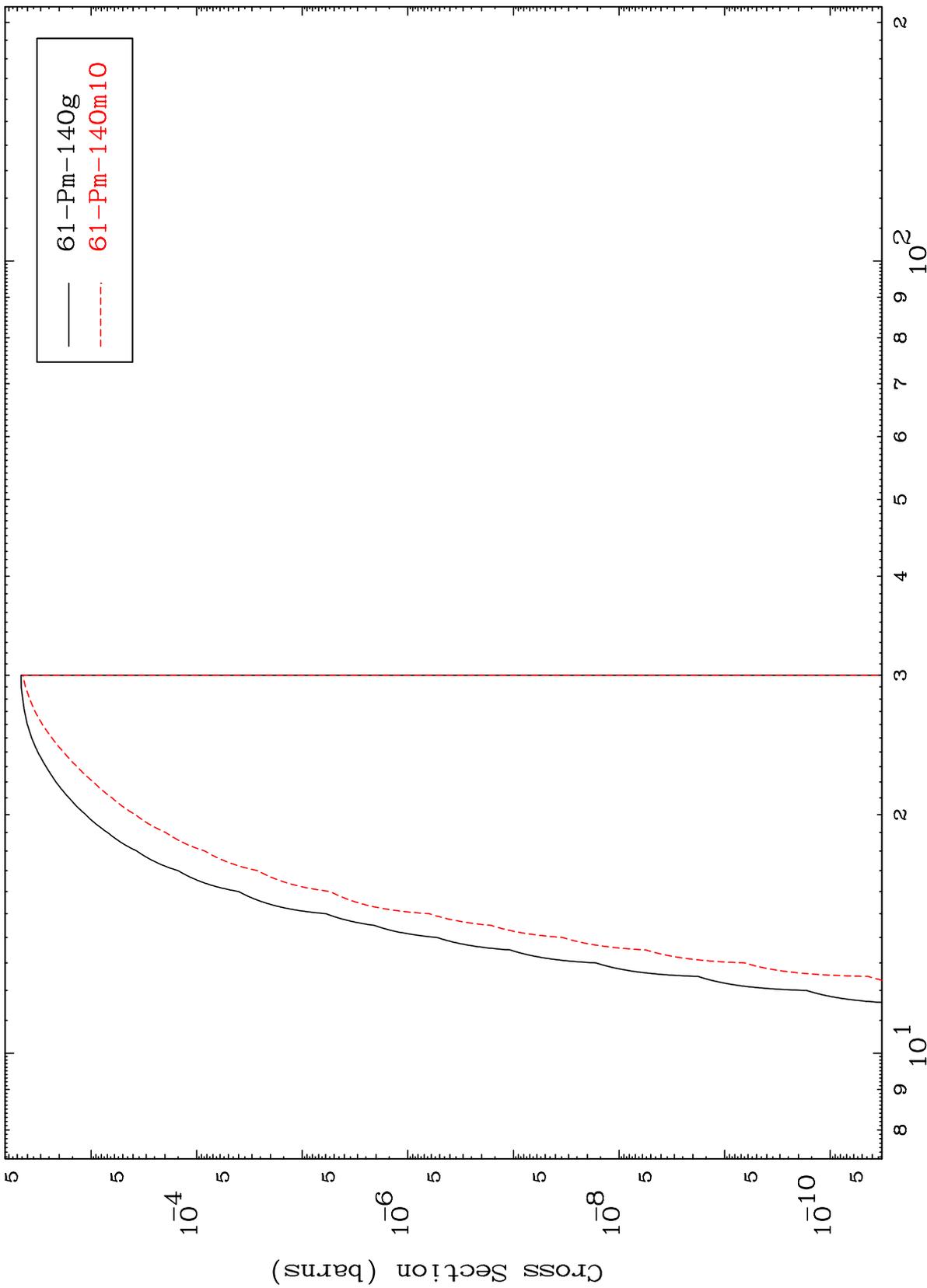
(n,γ)  
Radionuclide Production Cross Section



MAT 6219

62-Sm-142

(n, t)  
Radionuclide Production Cross Section



133

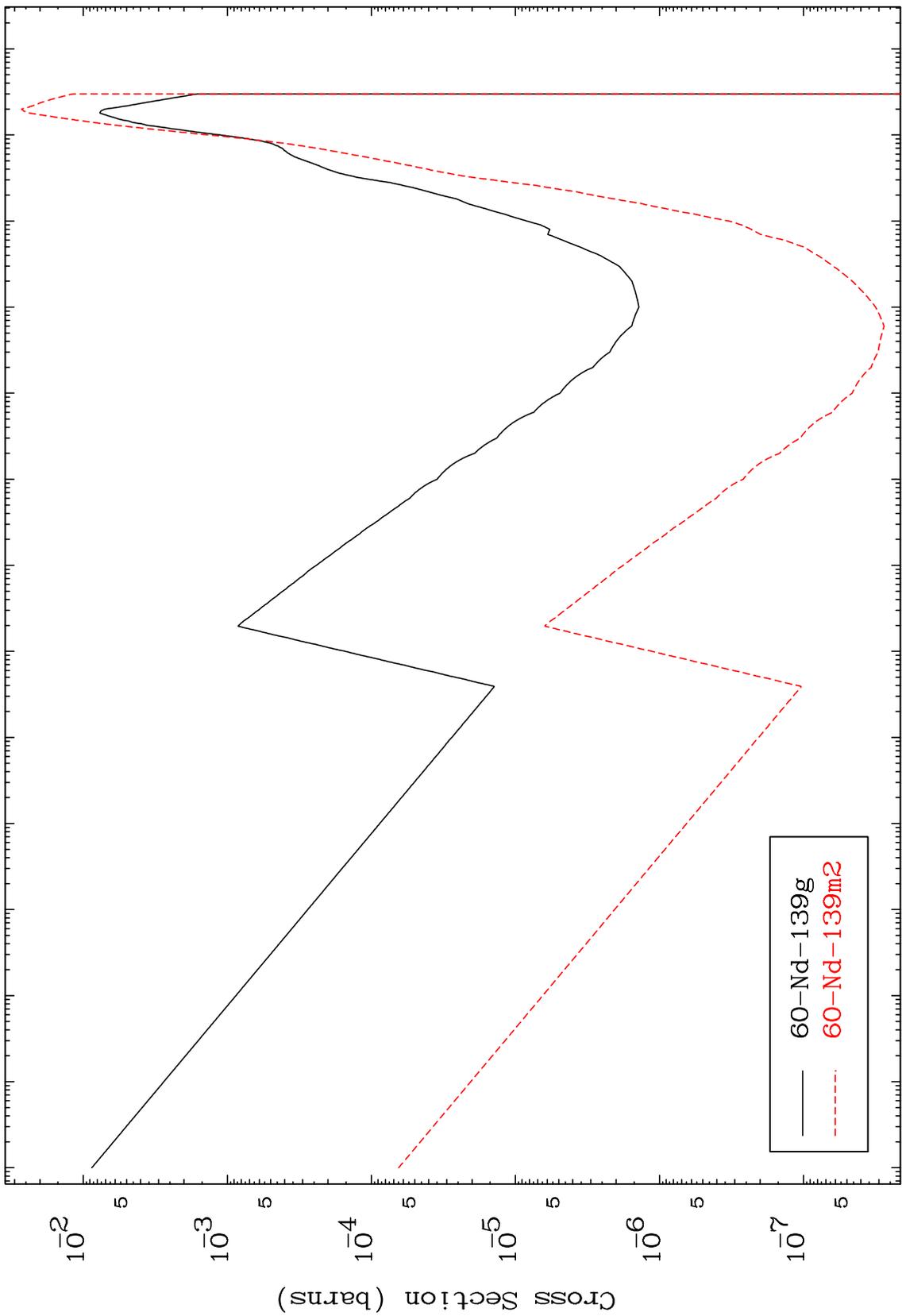
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

Radionuclide Production Cross Section

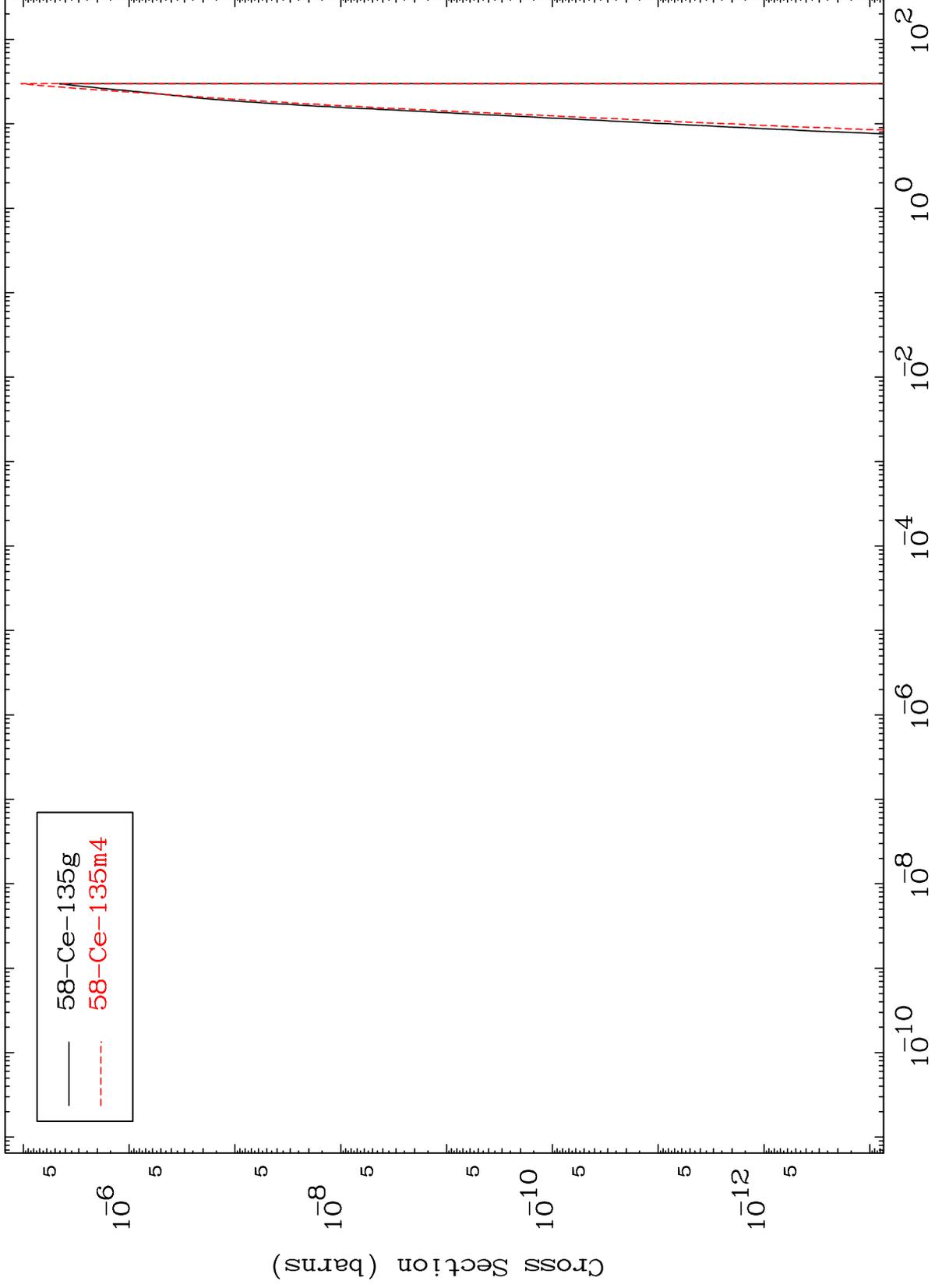


MAT 6219

(n,2α)

62-Sm-142

Radionuclide Production Cross Section



135

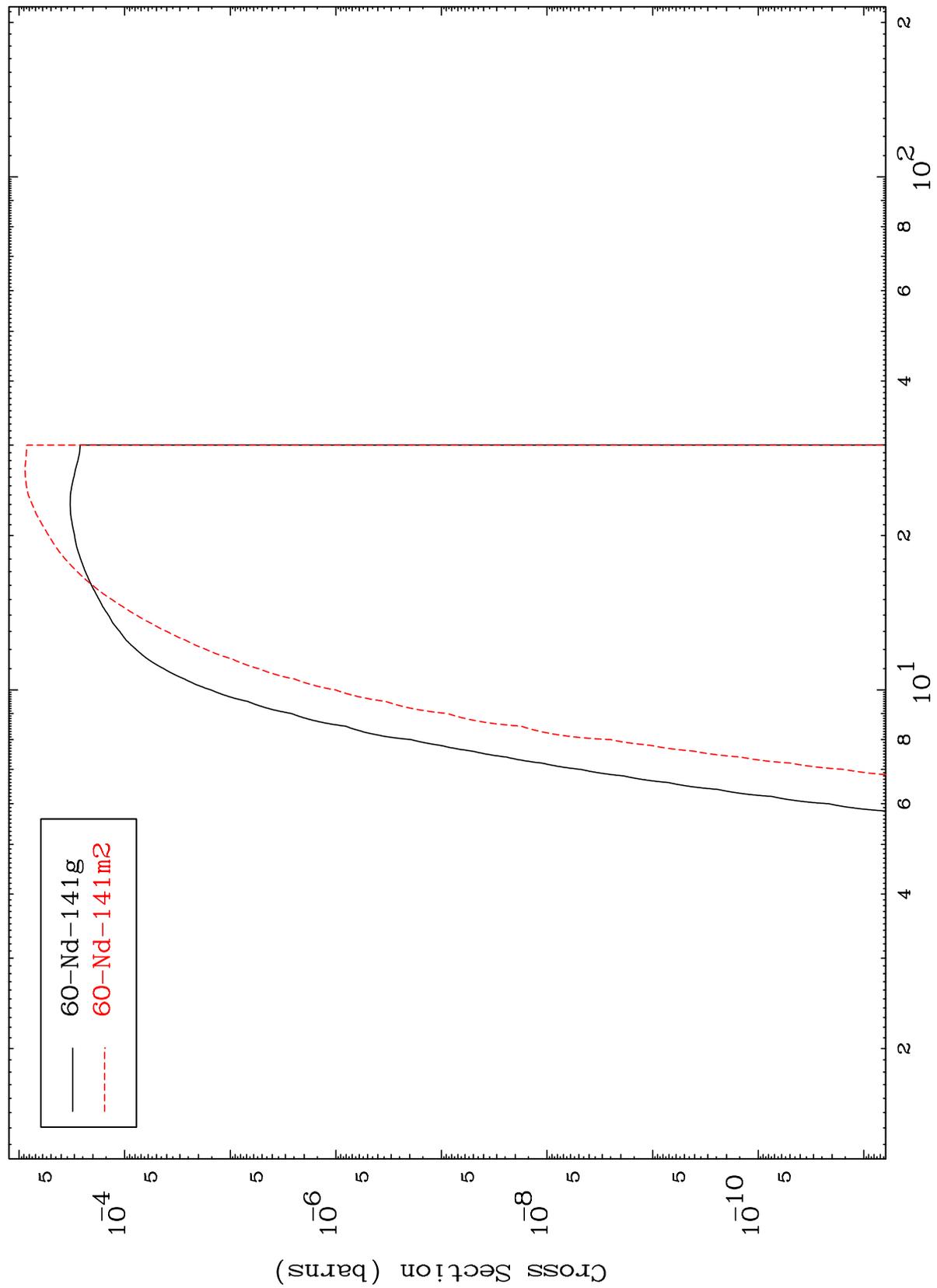
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

(n,2p)  
Radionuclide Production Cross Section



136

62-Sm-142

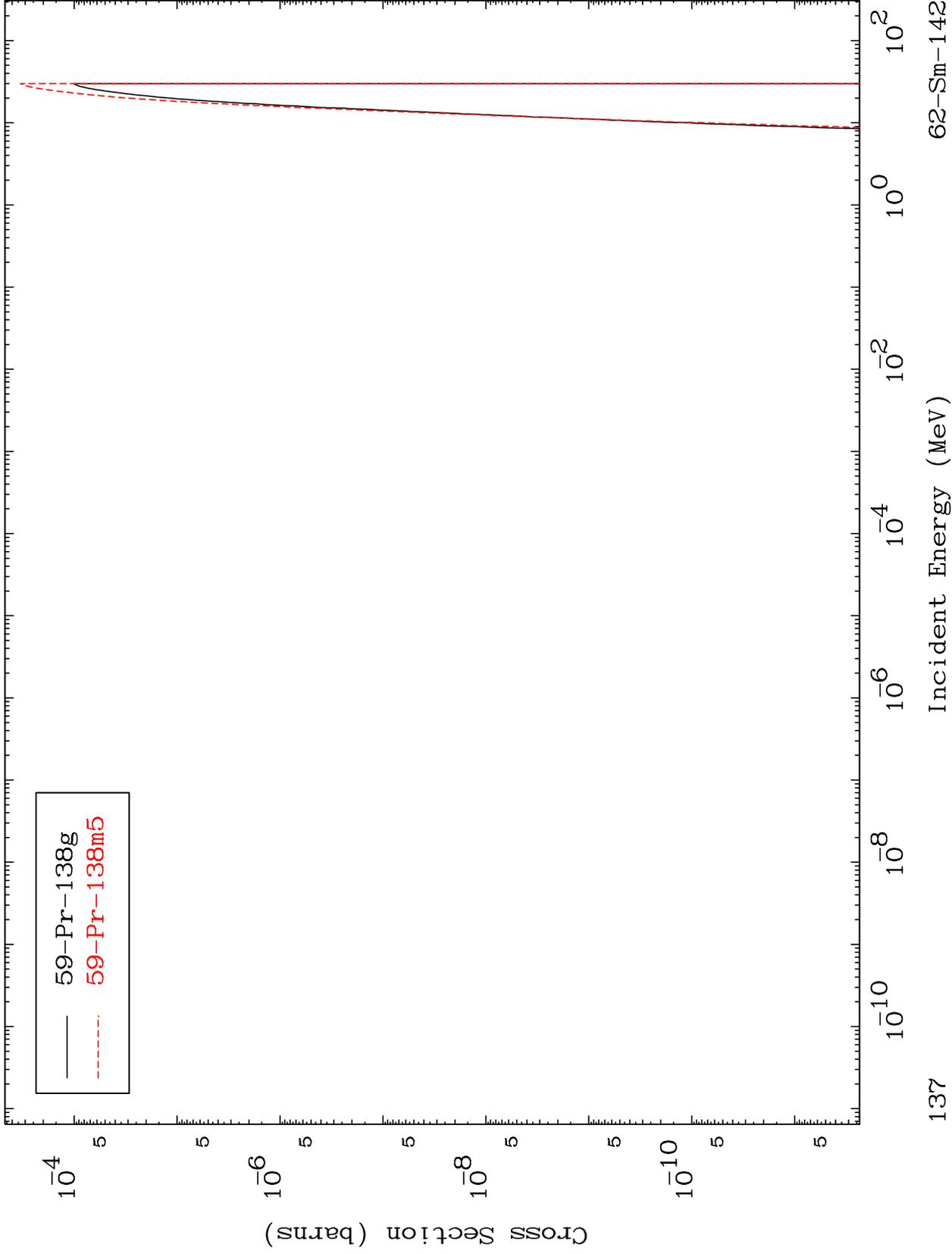
Incident Energy (MeV)

MAT 6219

(n,p)  $\alpha$

62-Sm-142

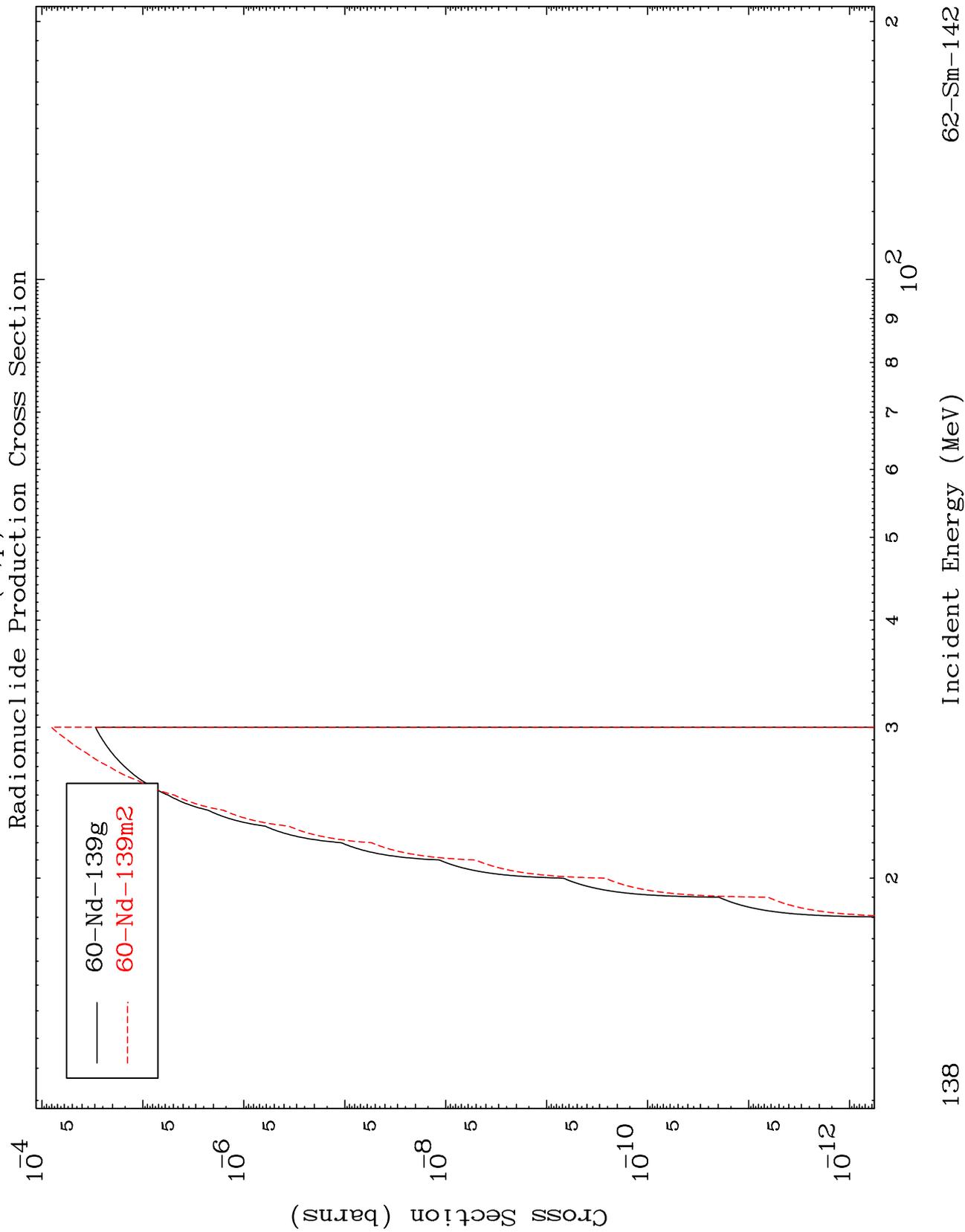
Radionuclide Production Cross Section



MAT 6219

(n,p) t

62-Sm-142



138