

Program EVALPLOT
(Version 2021-1)

by

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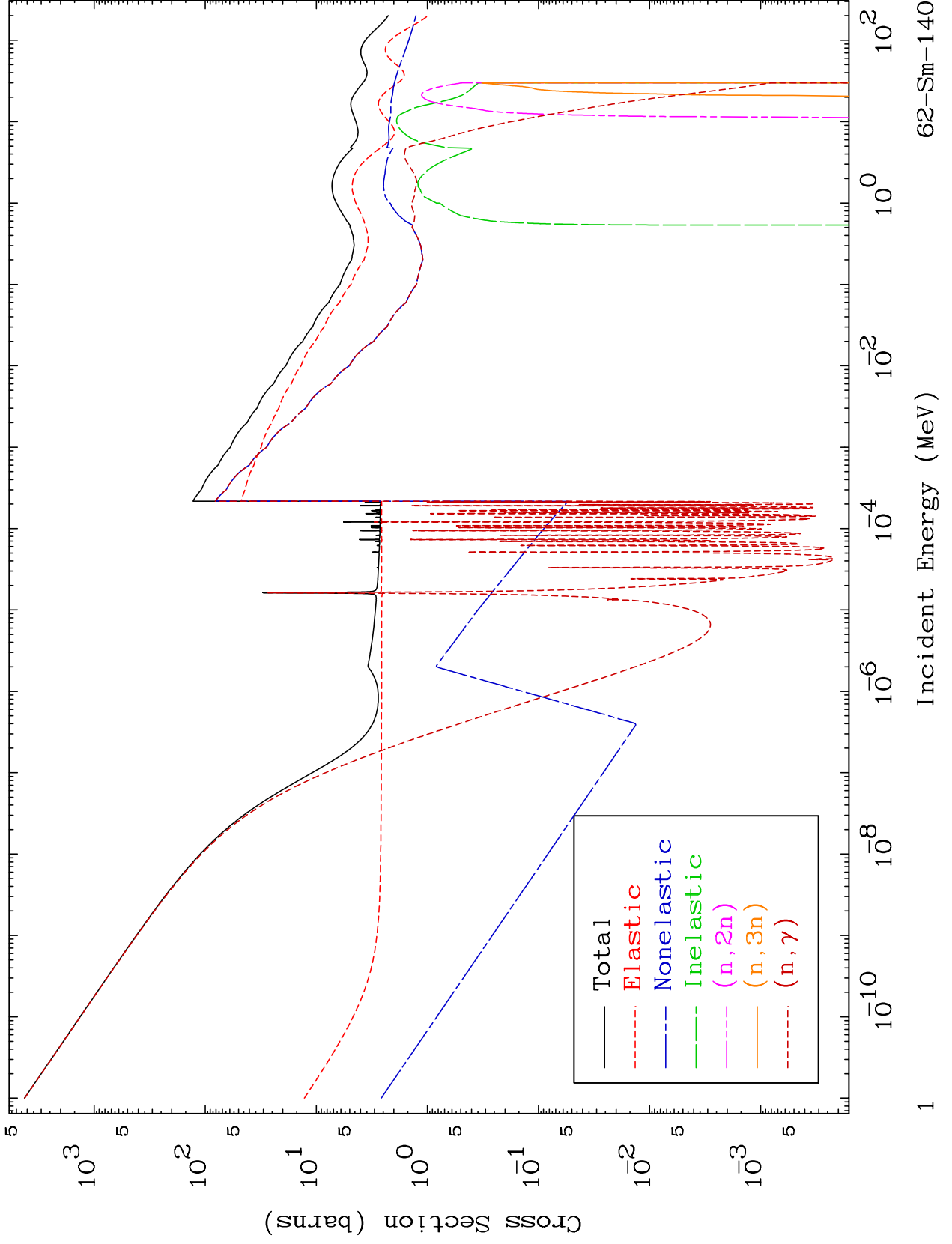
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Press Mouse Button to Start

MAT 6213

Neutron Major
293 Kelvin Cross Sections

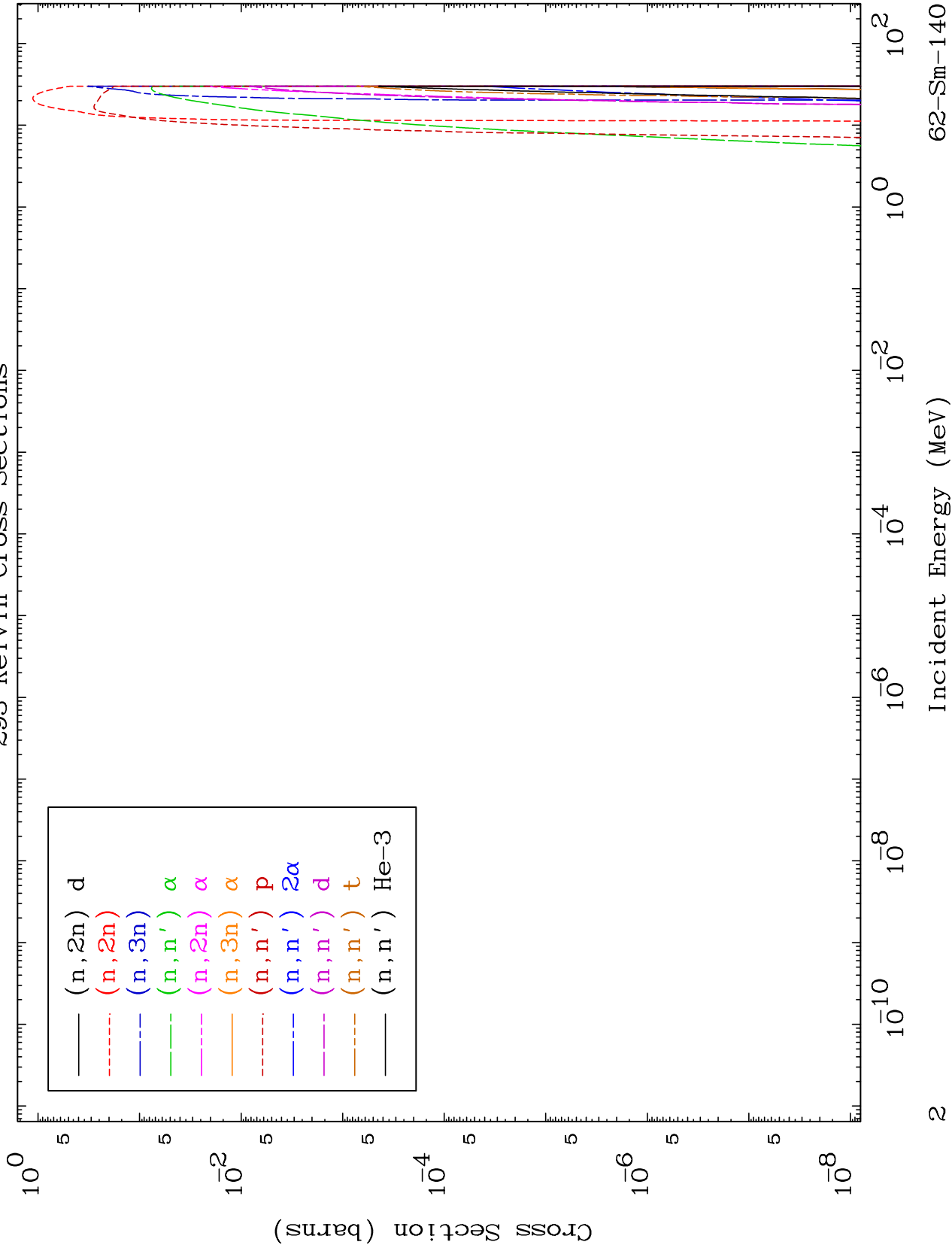
62-Sm-140



MAT 6213

Neutron Absorption
293 Kelvin Cross Sections

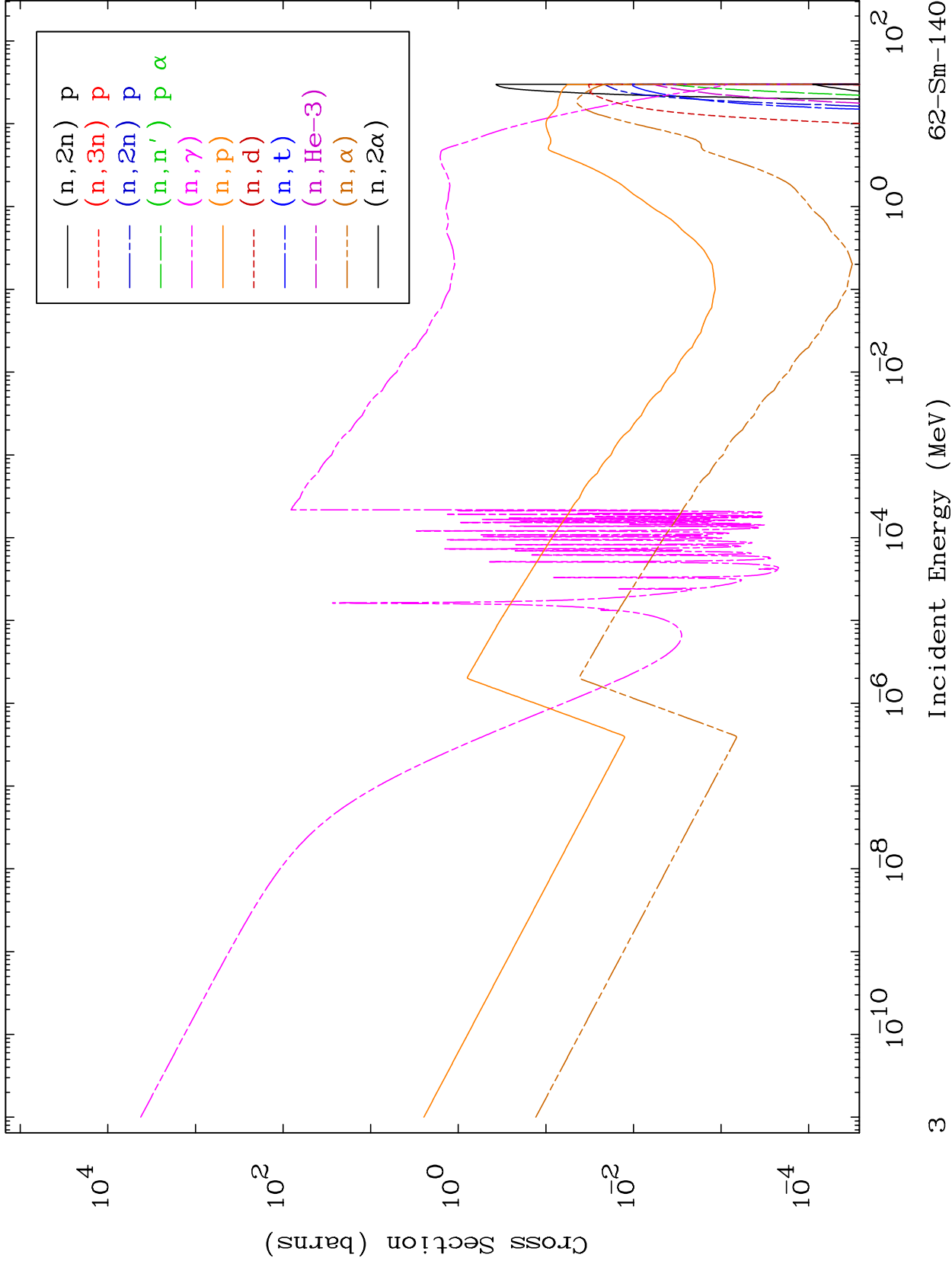
62-Sm-140



MAT 6213

Neutron Absorption
293 Kelvin Cross Sections

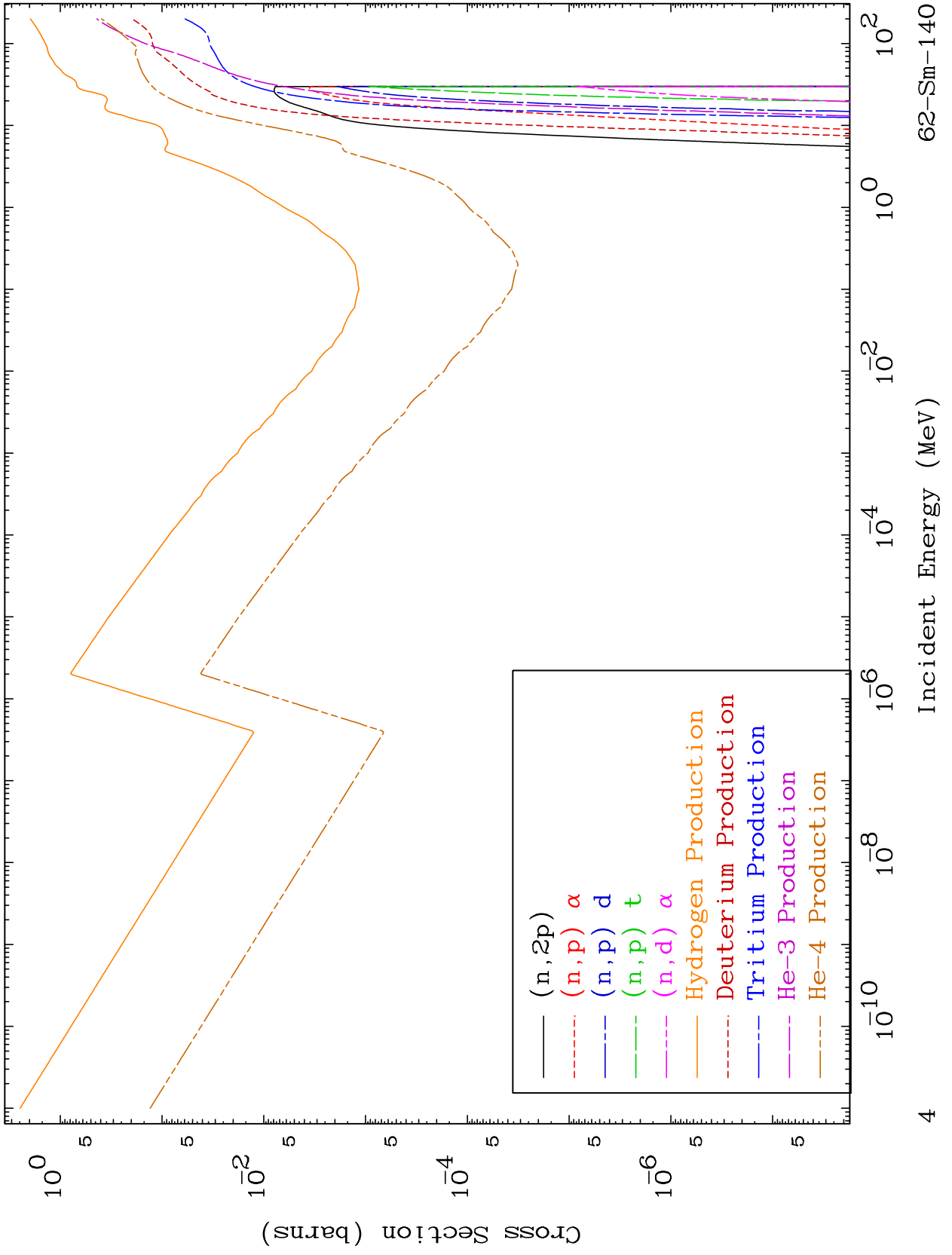
62-Sm-140



MAT 6213

Neutron Absorption
293 Kelvin Cross Sections

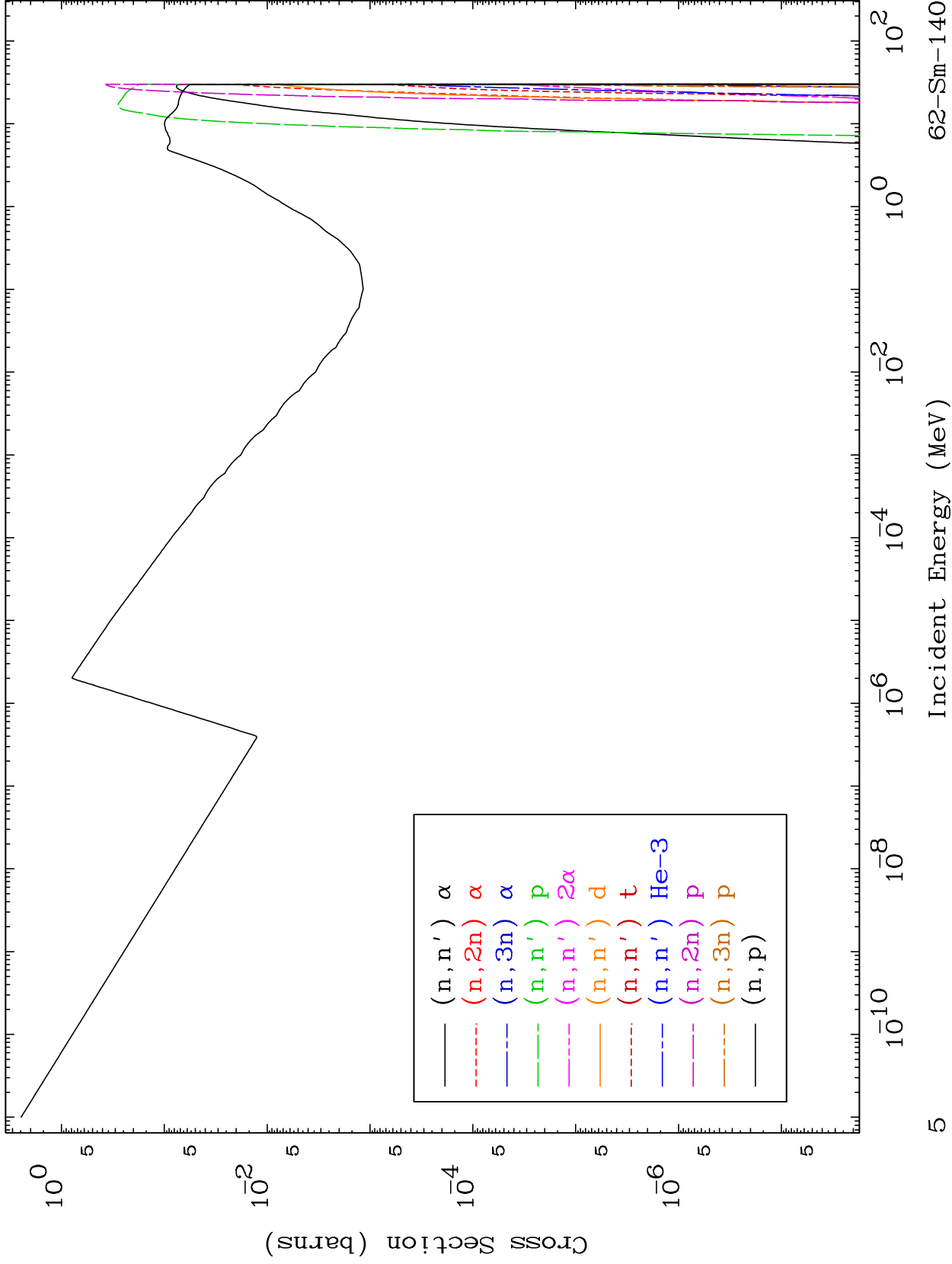
62-Sm-140



MAT 6213

Charged Particle
293 Kelvin Cross Sections

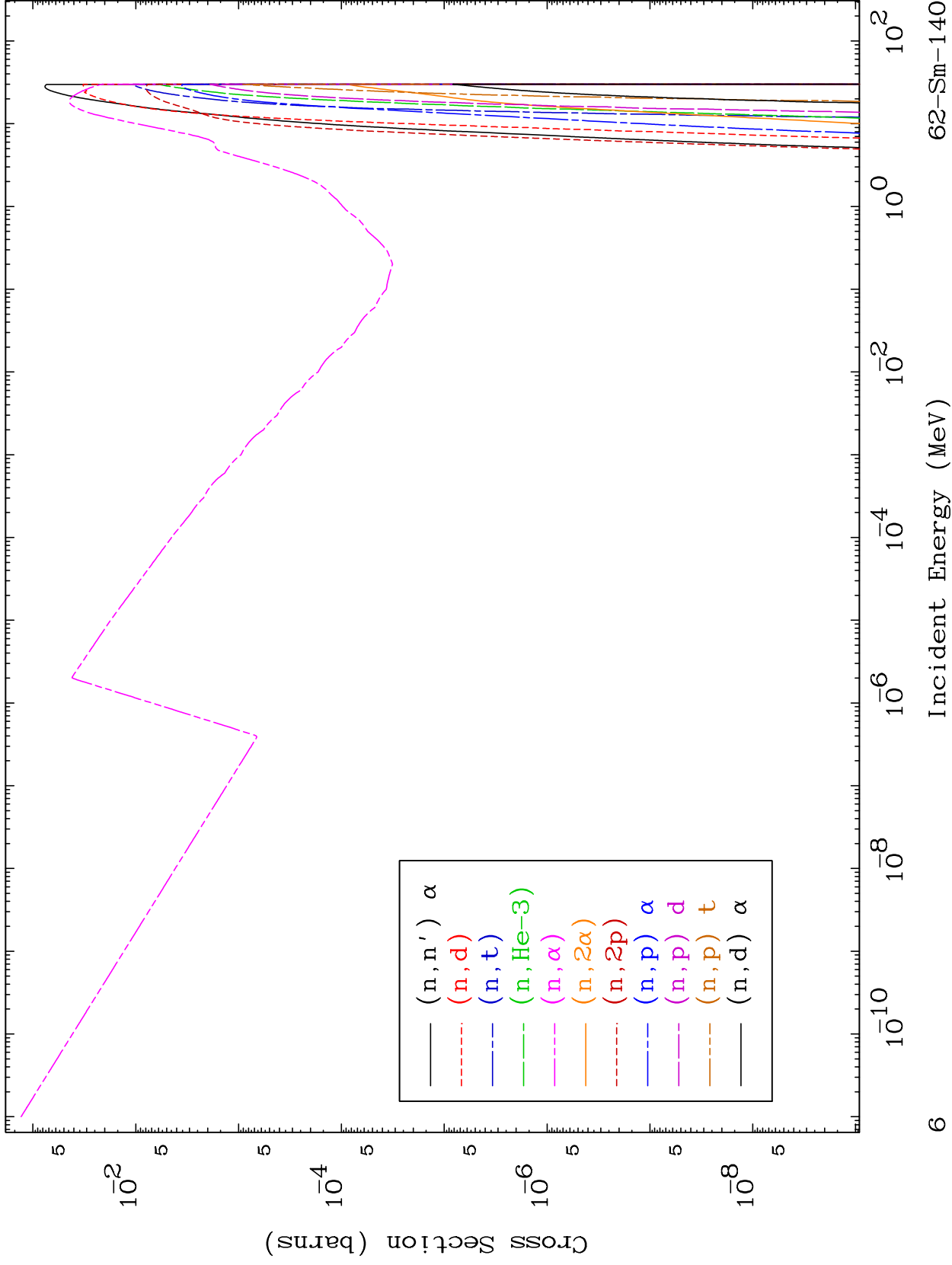
62-Sm-140



MAT 6213

Charged Particle
293 Kelvin Cross Sections

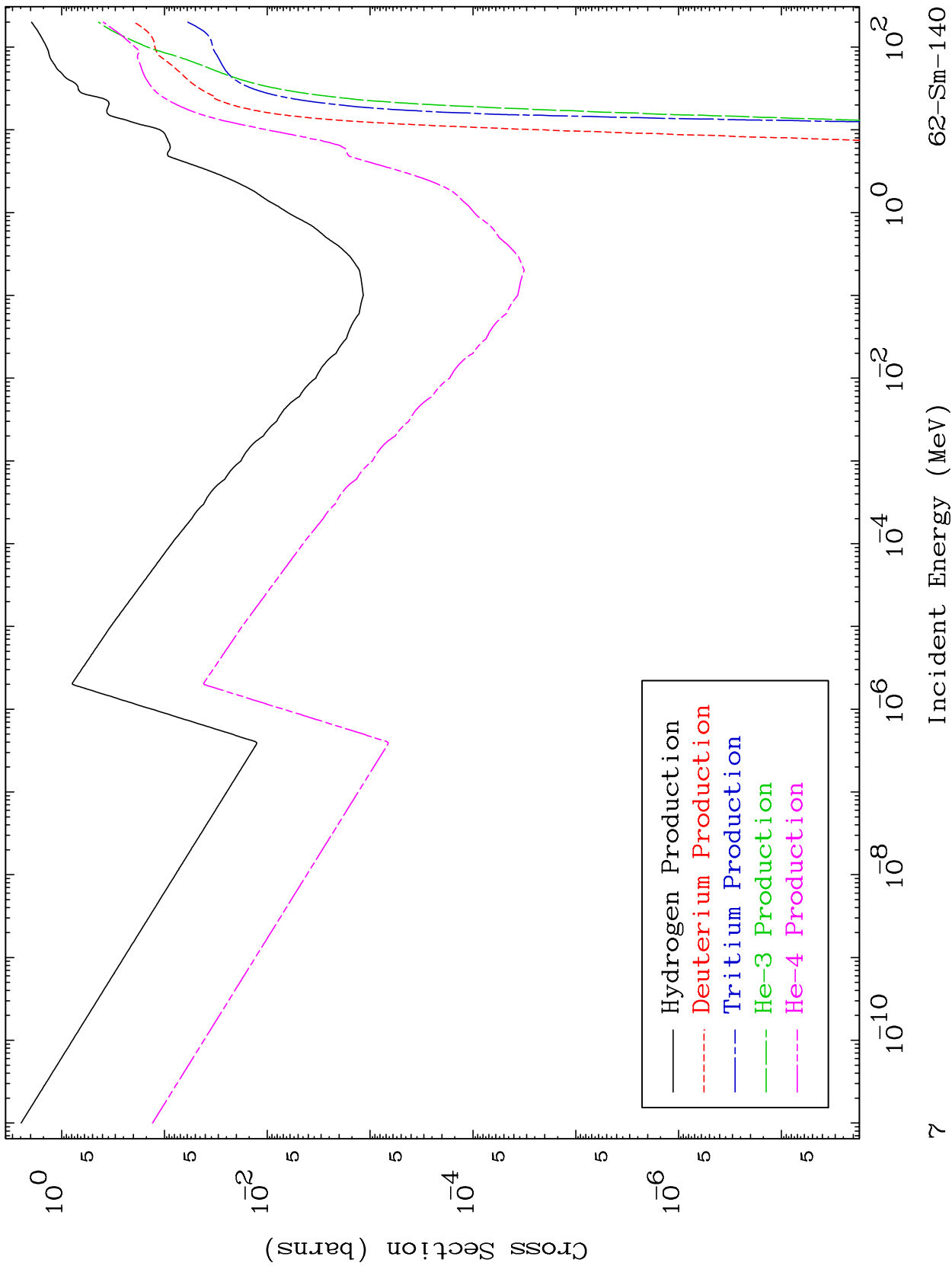
62-Sm-140



MAT 6213

Particle Production
293 Kelvin Cross Sections

62-Sm-140

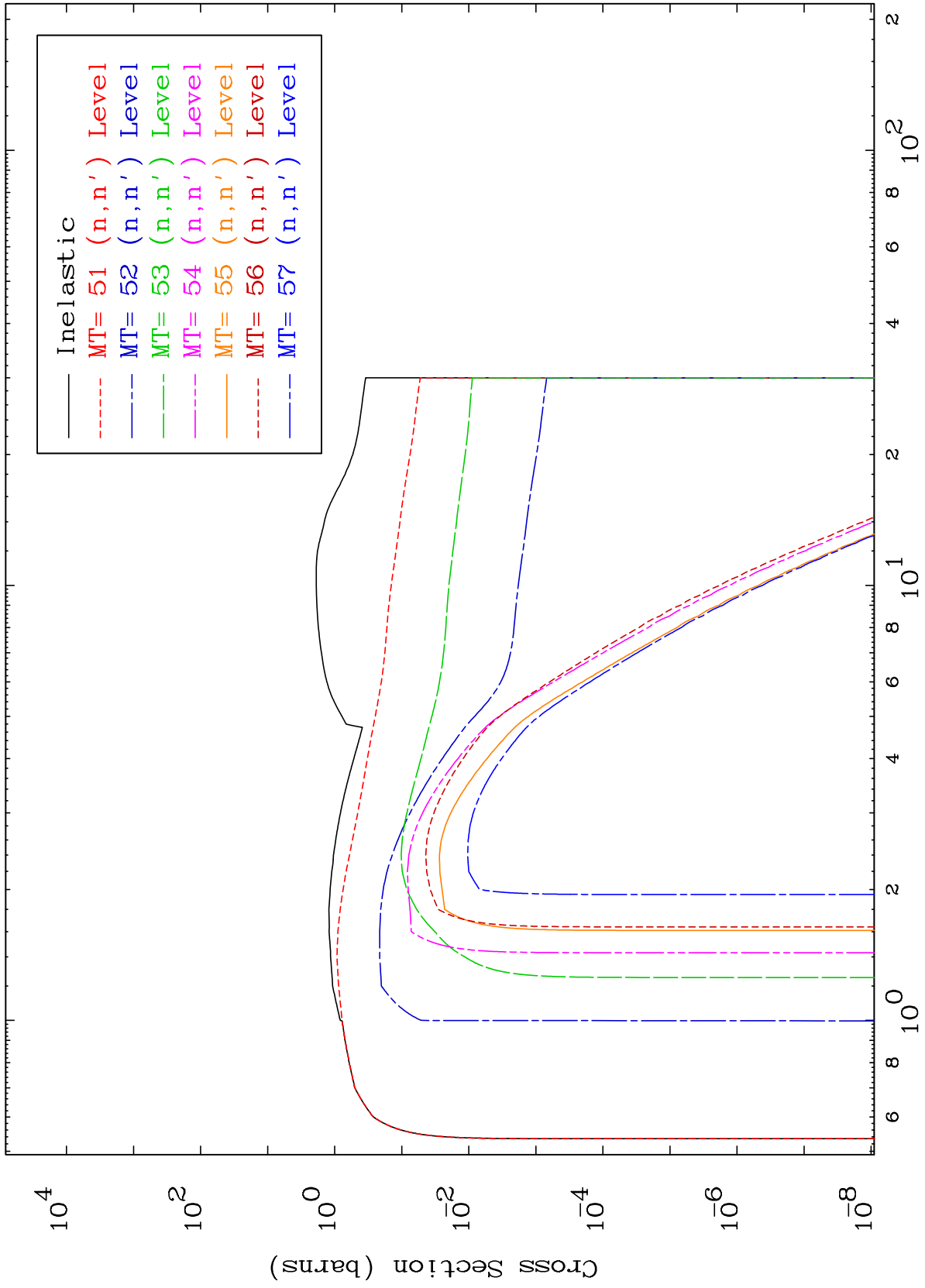


MAT 6213

(n,n') Levels

62-Sm-140

293 Kelvin Cross Sections



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Incident Energy (MeV)

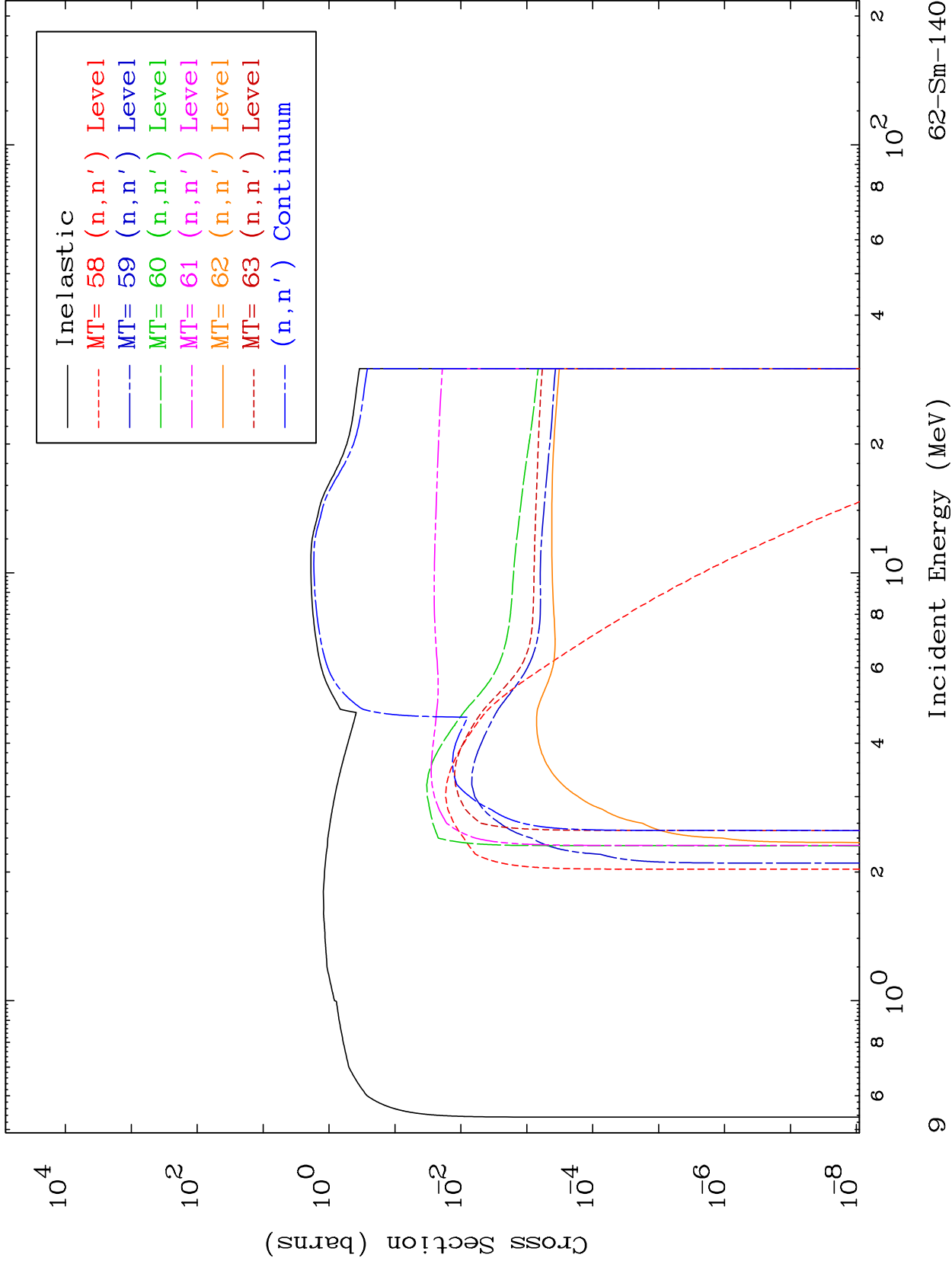
62-Sm-140

MAT 6213

(n,n') Levels

62-Sm-140

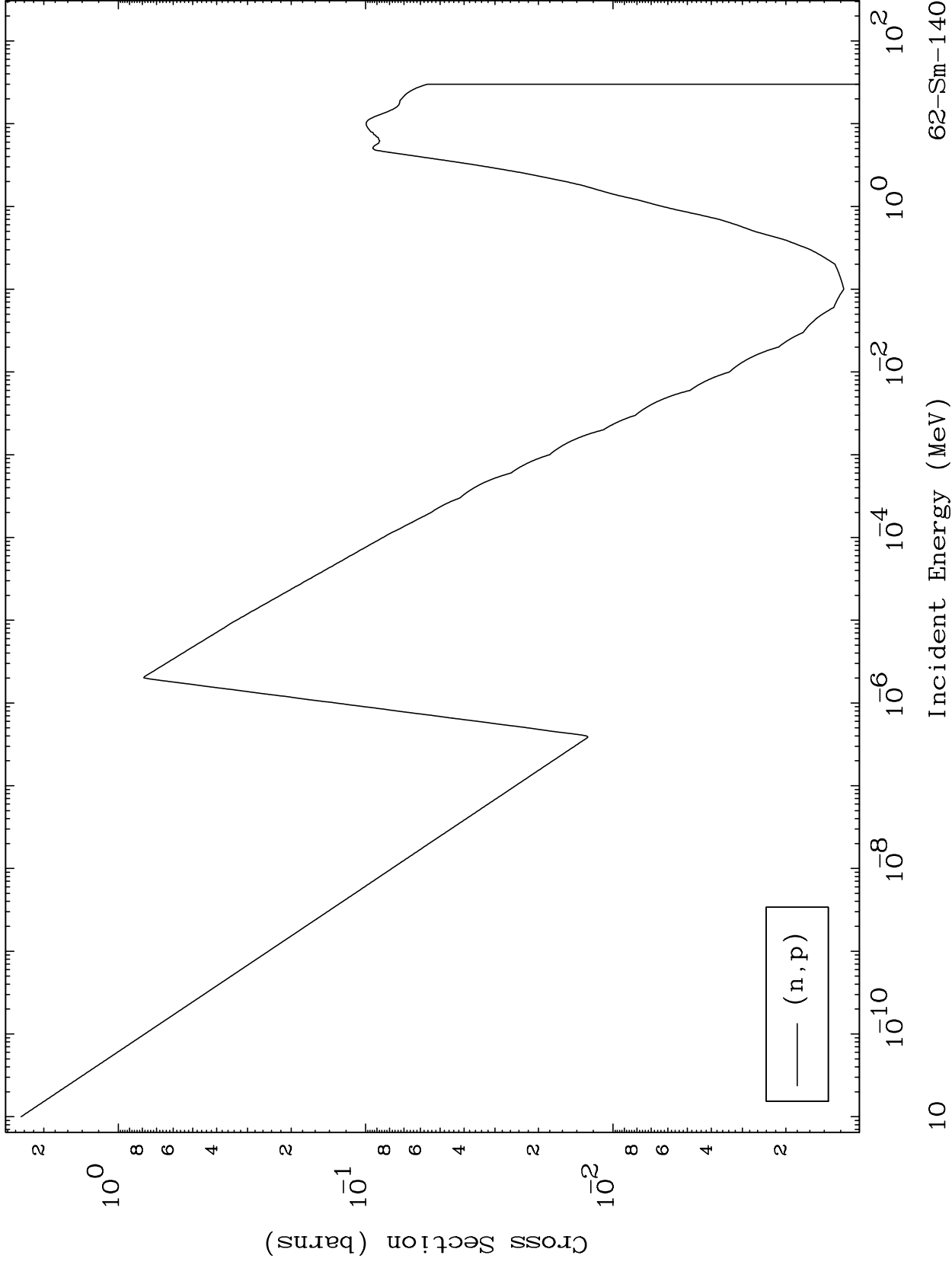
293 Kelvin Cross Sections



MAT 6213

(n,p) Levels
293 Kelvin Cross Sections

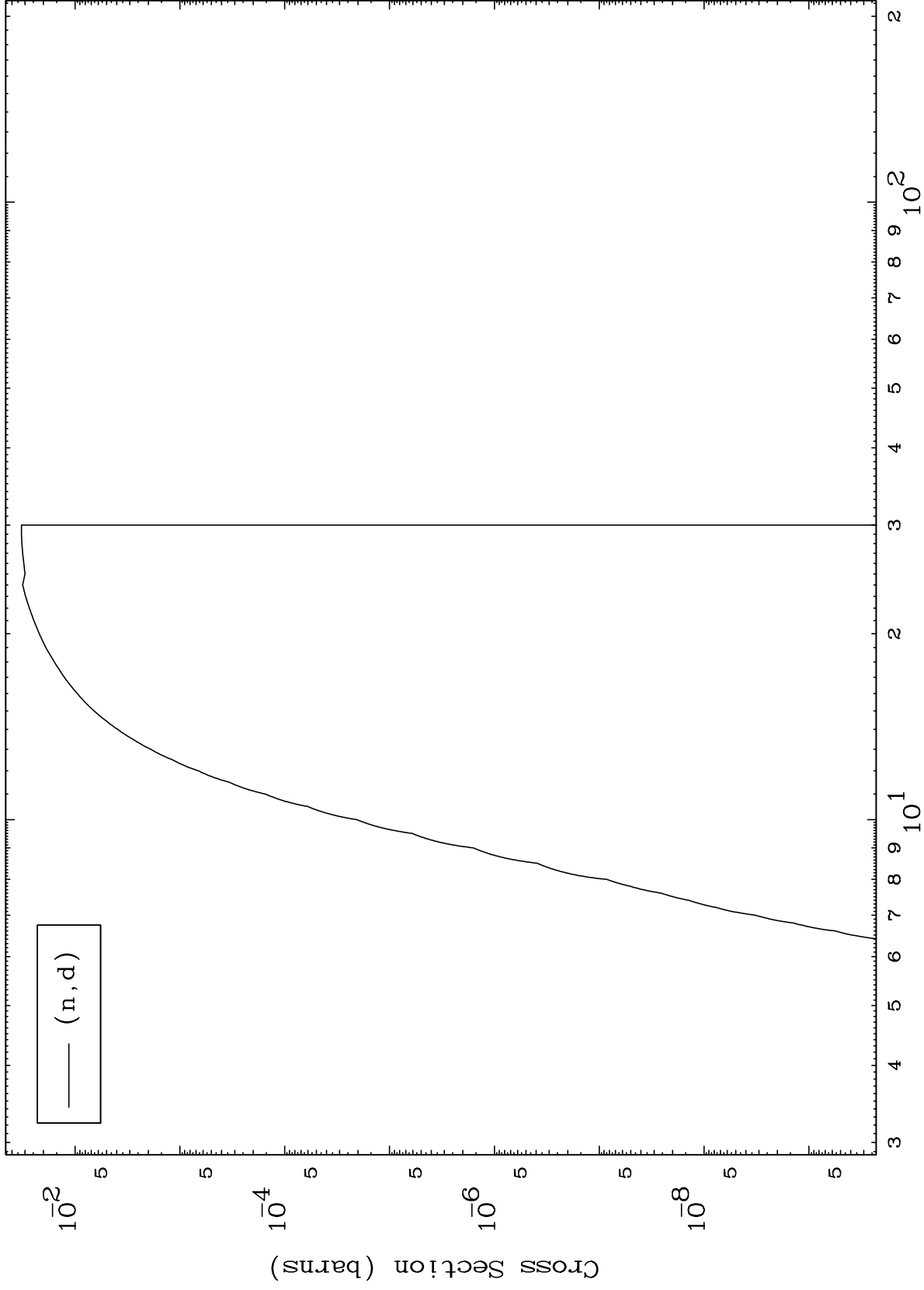
62-Sm-140



MAT 6213

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-140



11

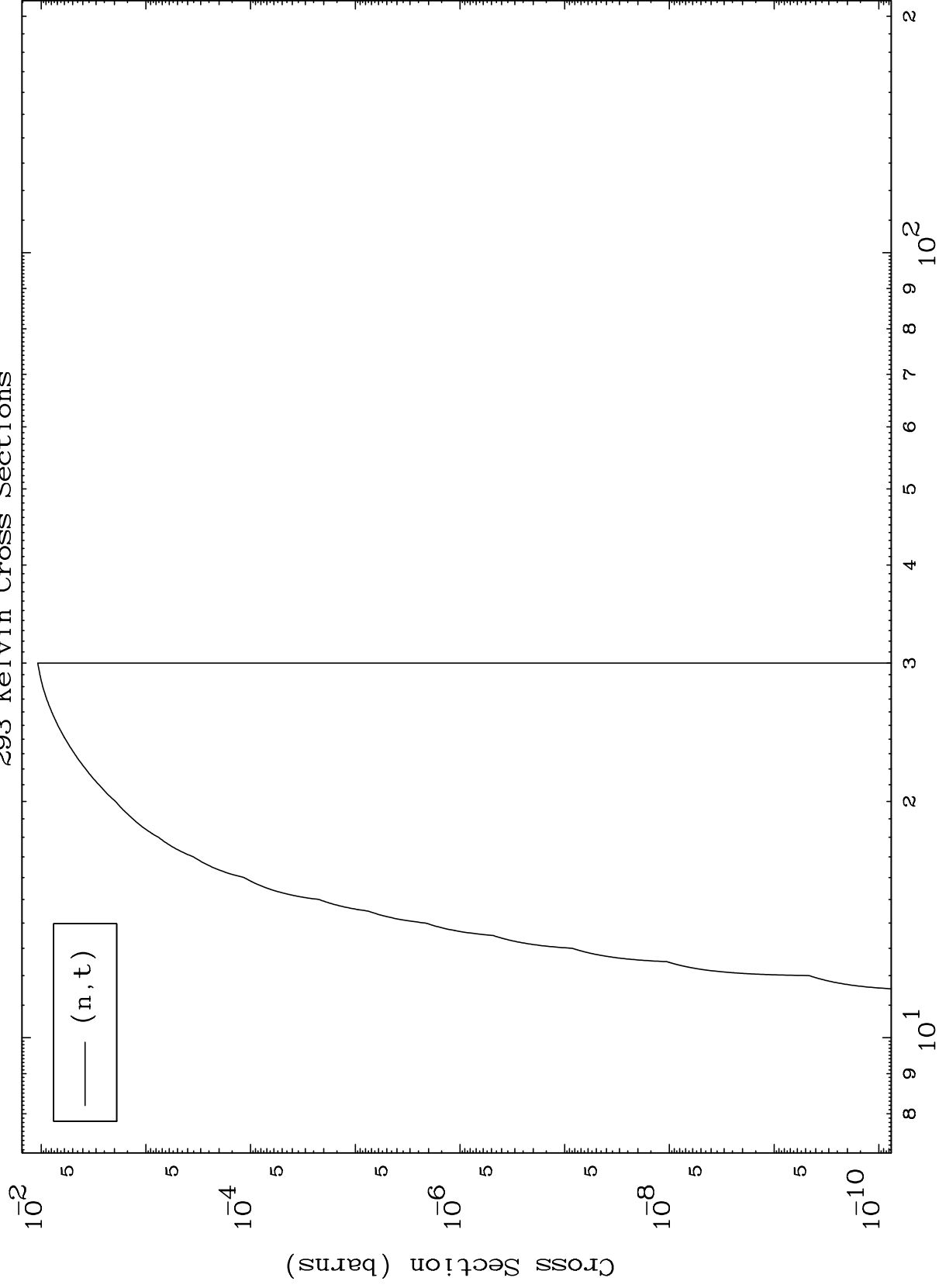
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62-Sm-140

MAT 6213

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-140



12

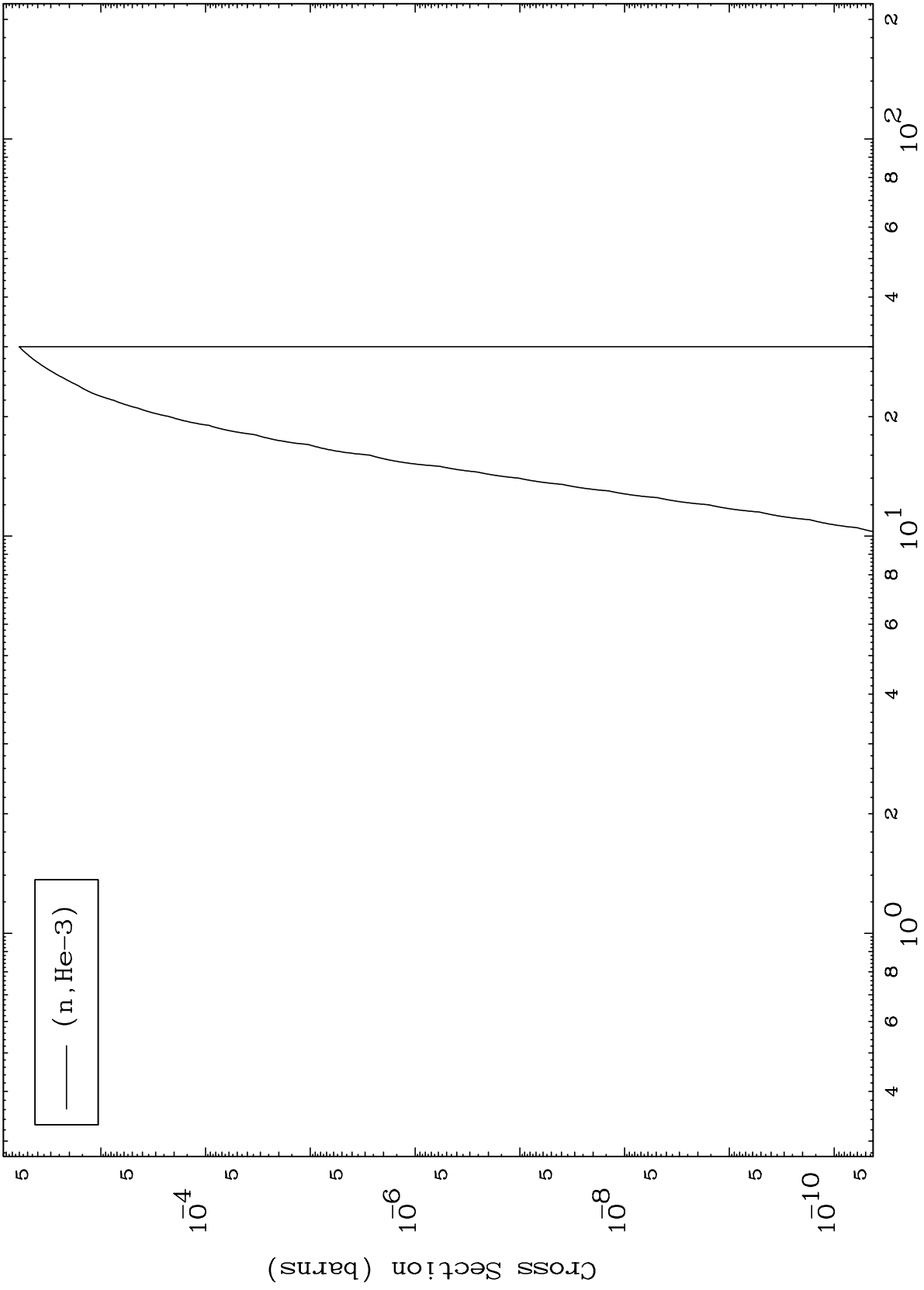
Incident Energy (MeV)

62-Sm-140

MAT 6213

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-140



13

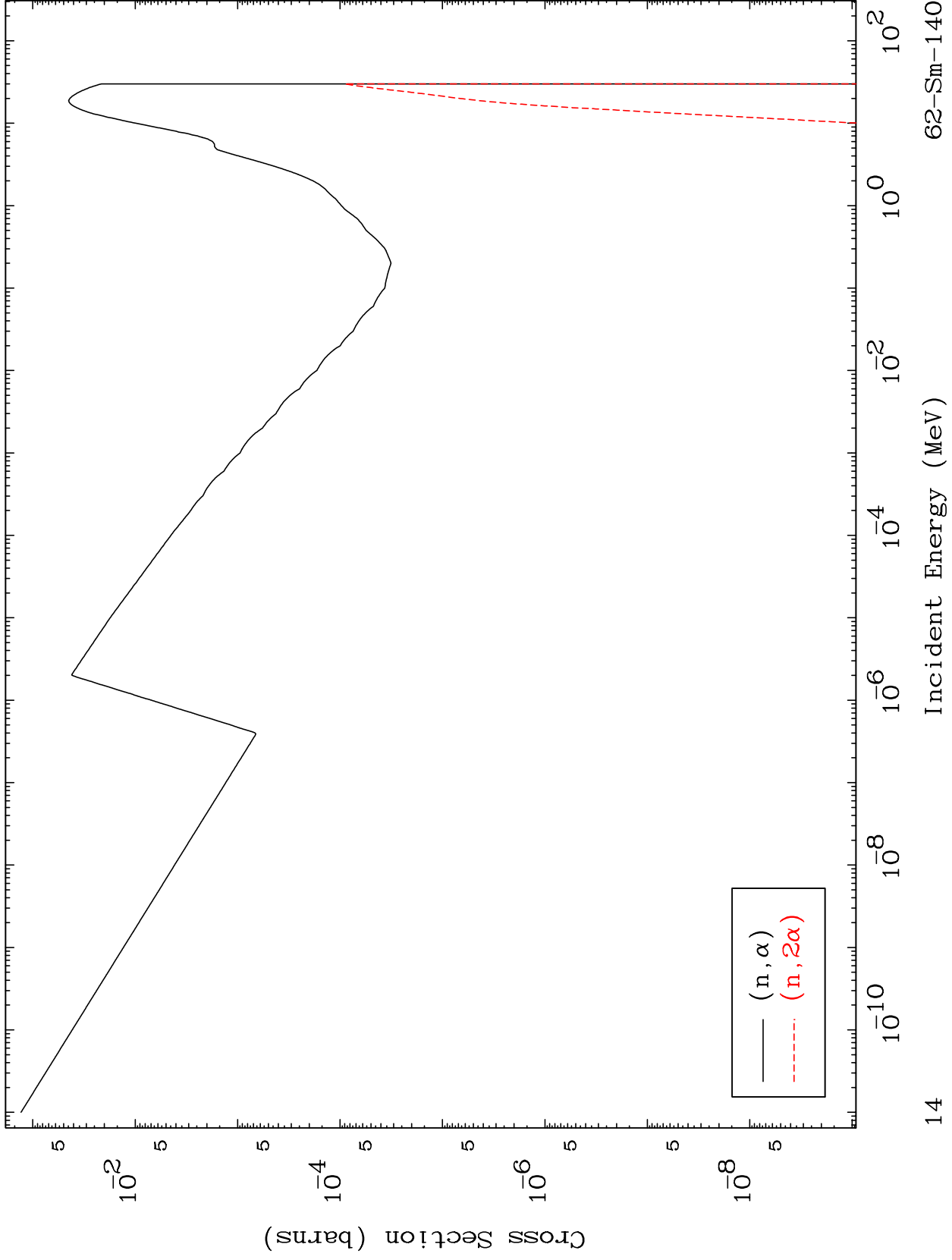
Incident Energy (MeV)

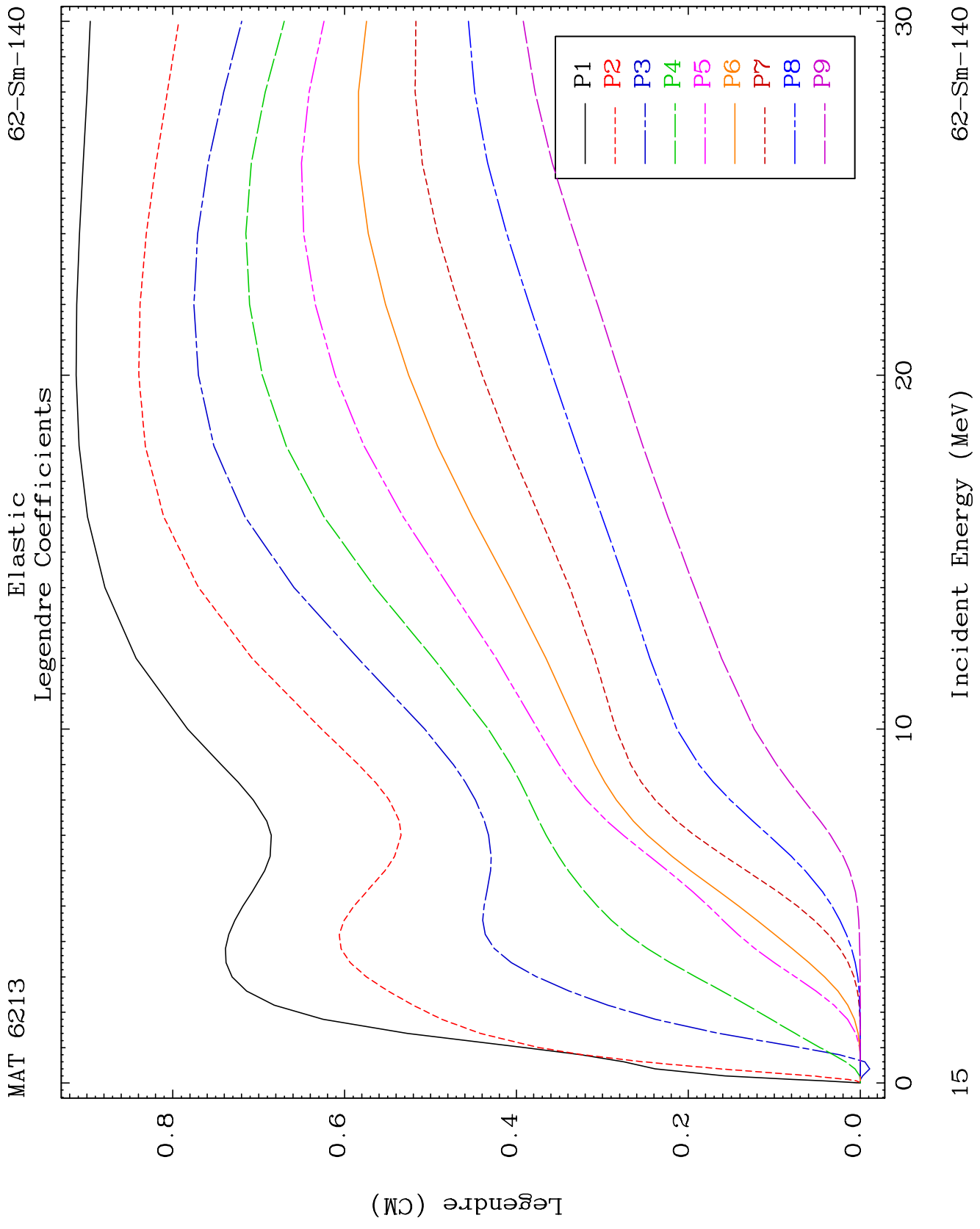
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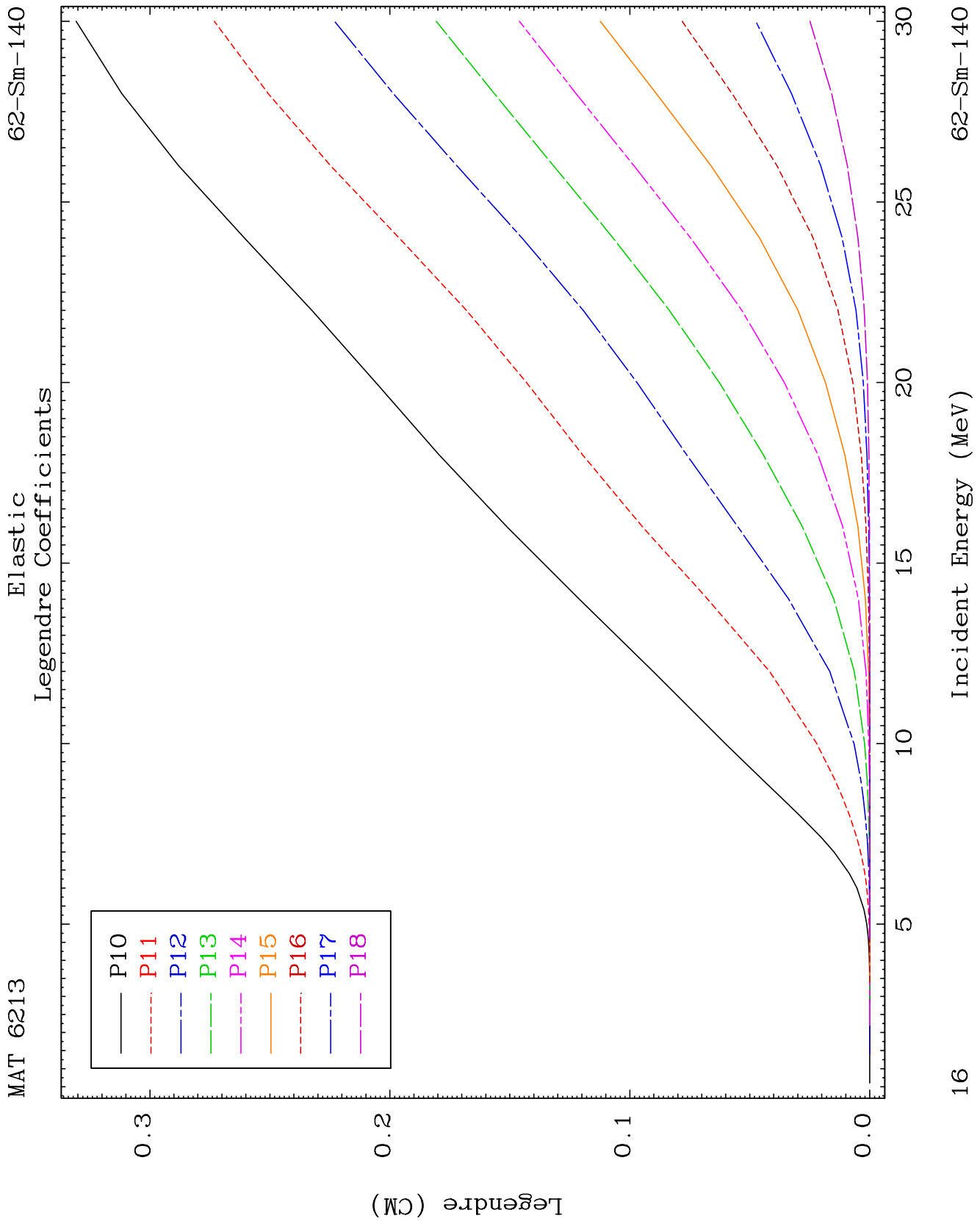
MAT 6213

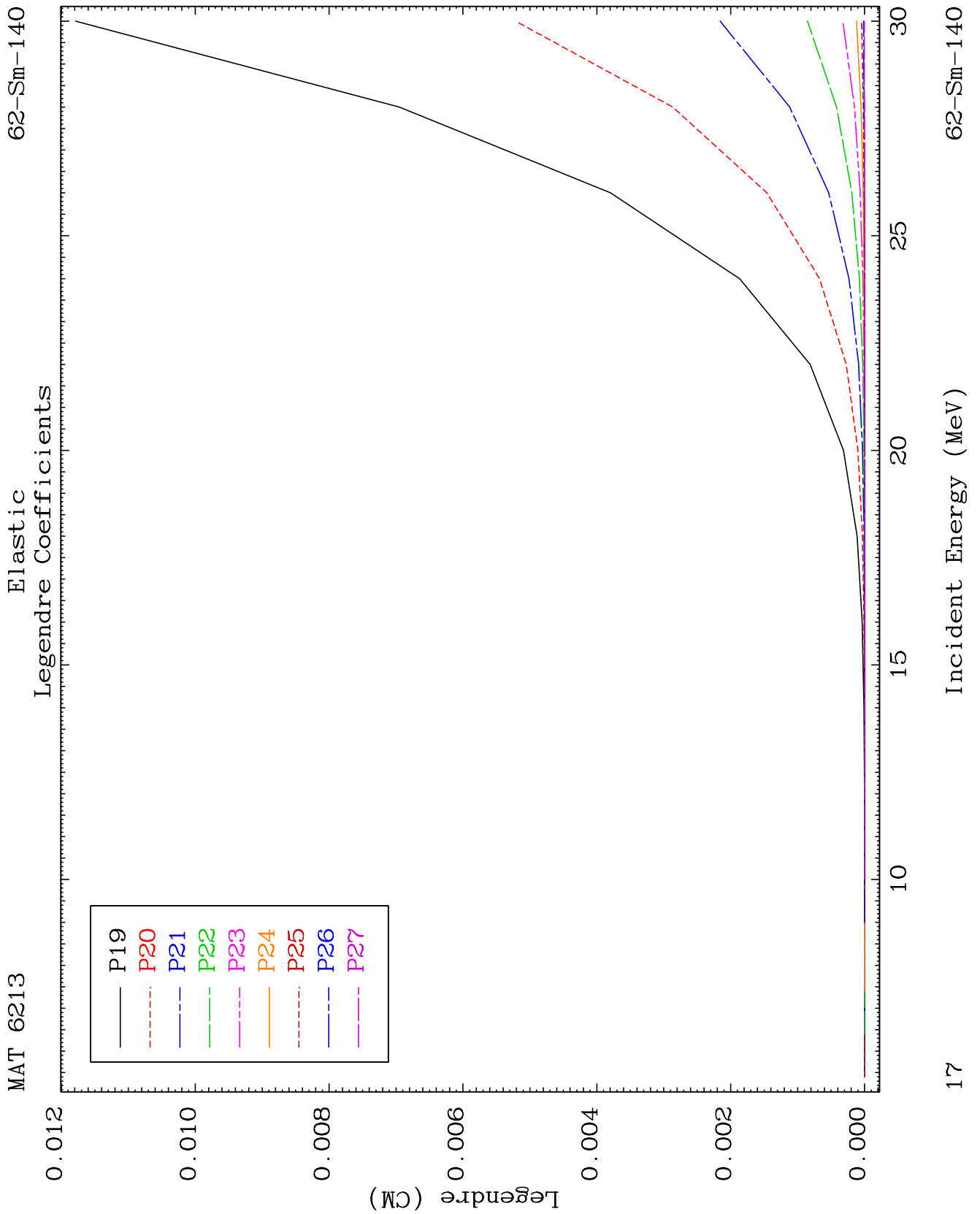
(n, α) Levels
293 Kelvin Cross Sections

62-Sm-140





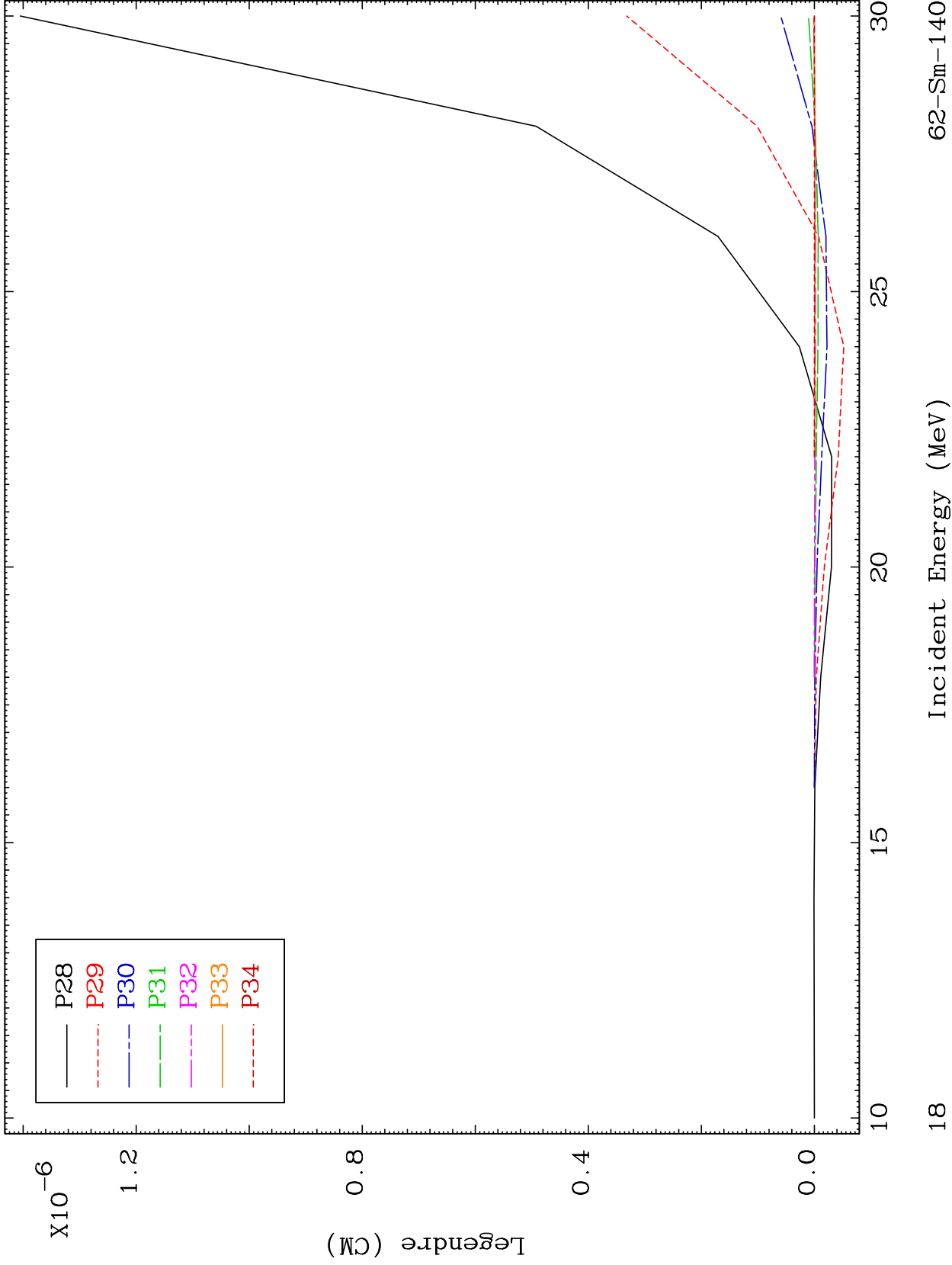




MAT 6213

Elastic Legendre Coefficients

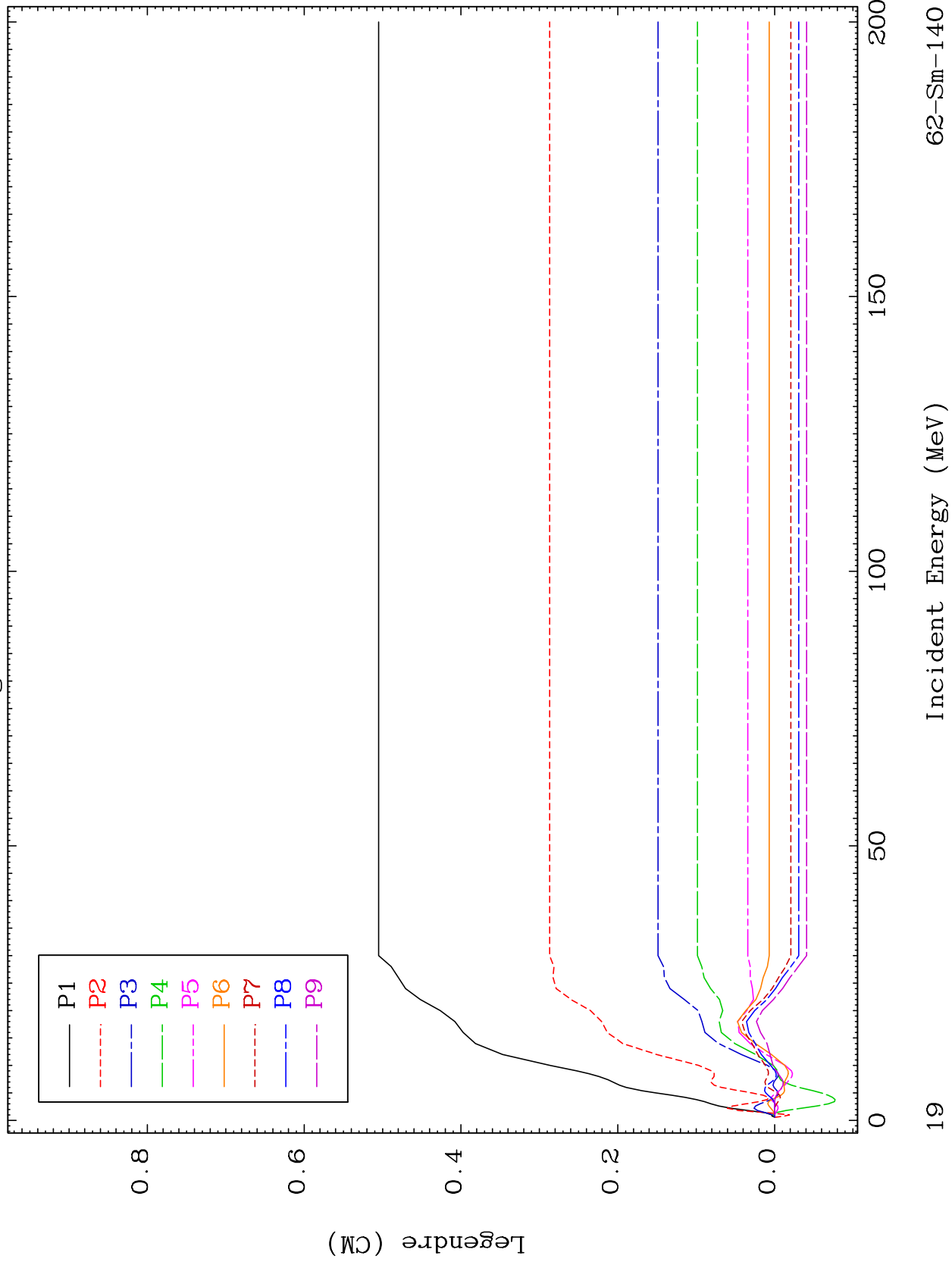
62-Sm-140



MAT 6213

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

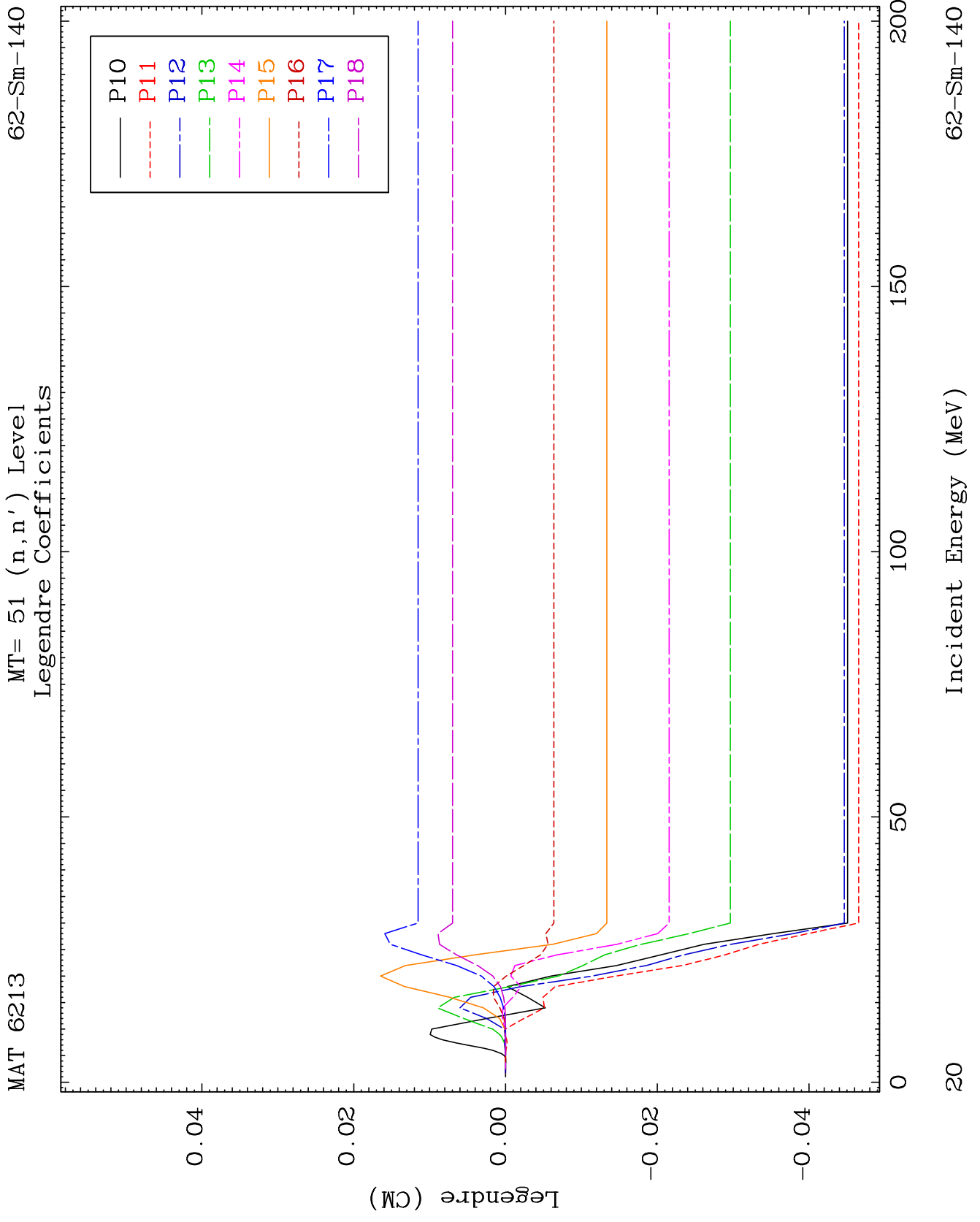
62-Sm-140



19

Incident Energy (MeV)

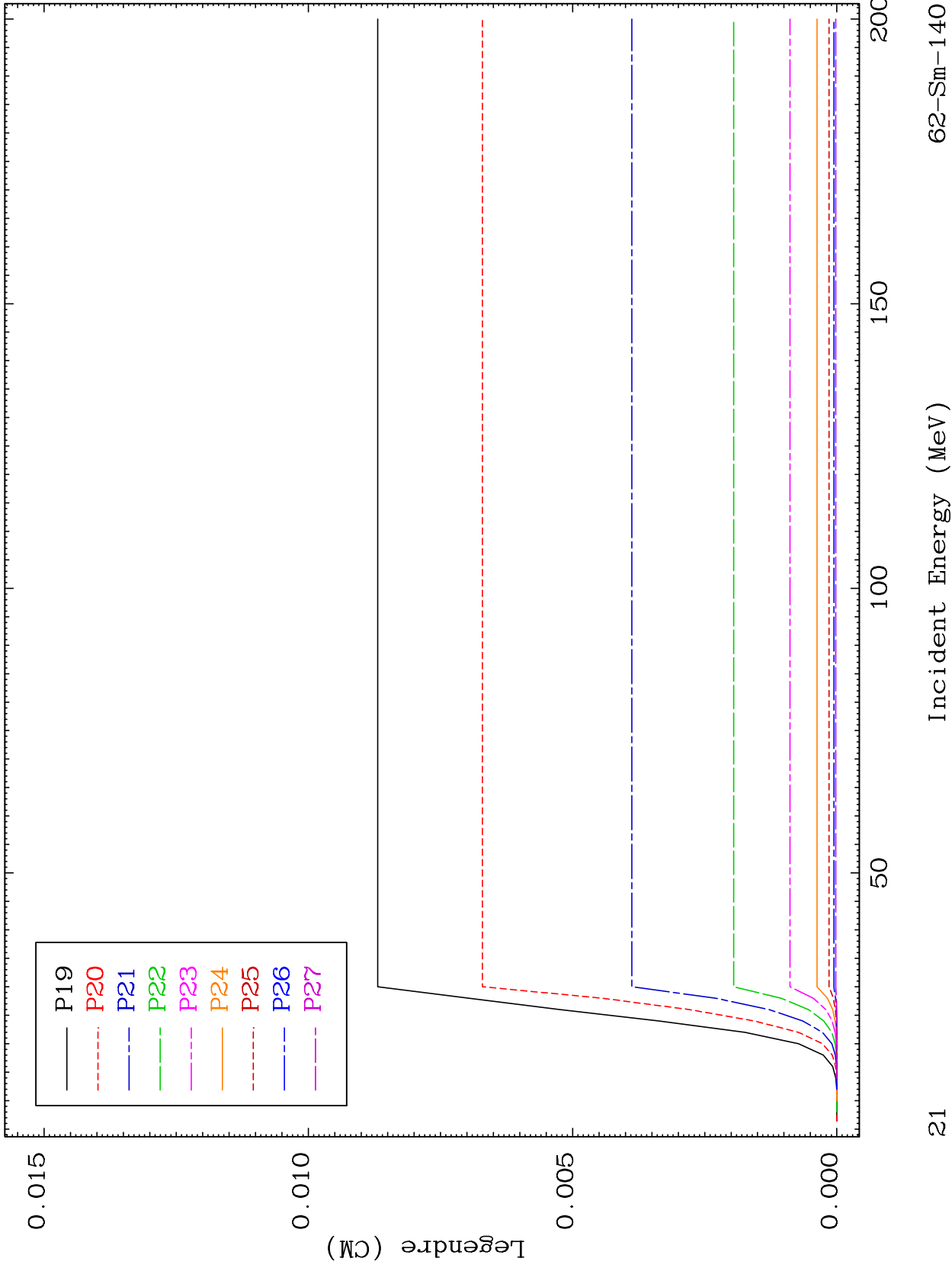
62-Sm-140



MAT 6213

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

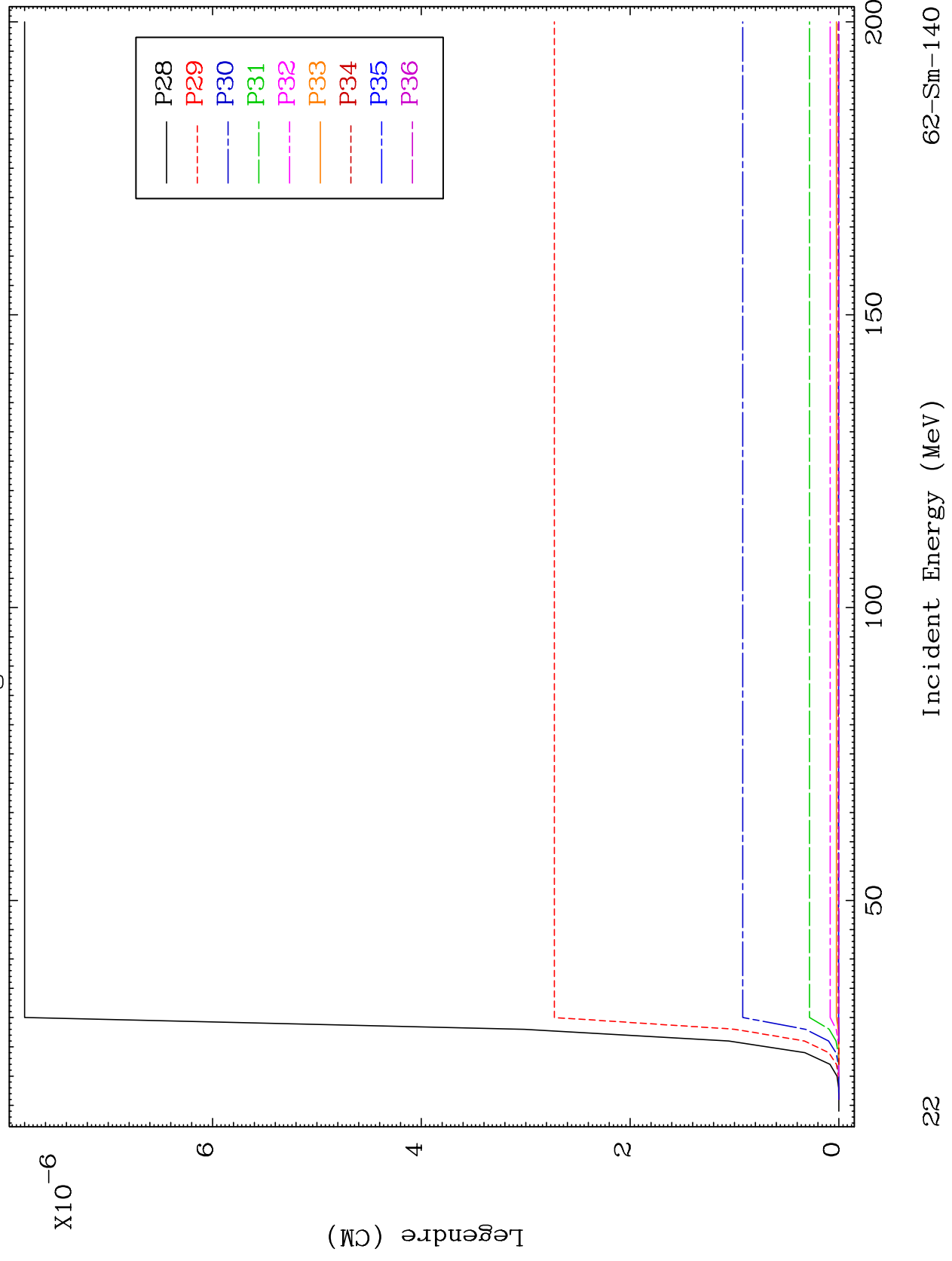
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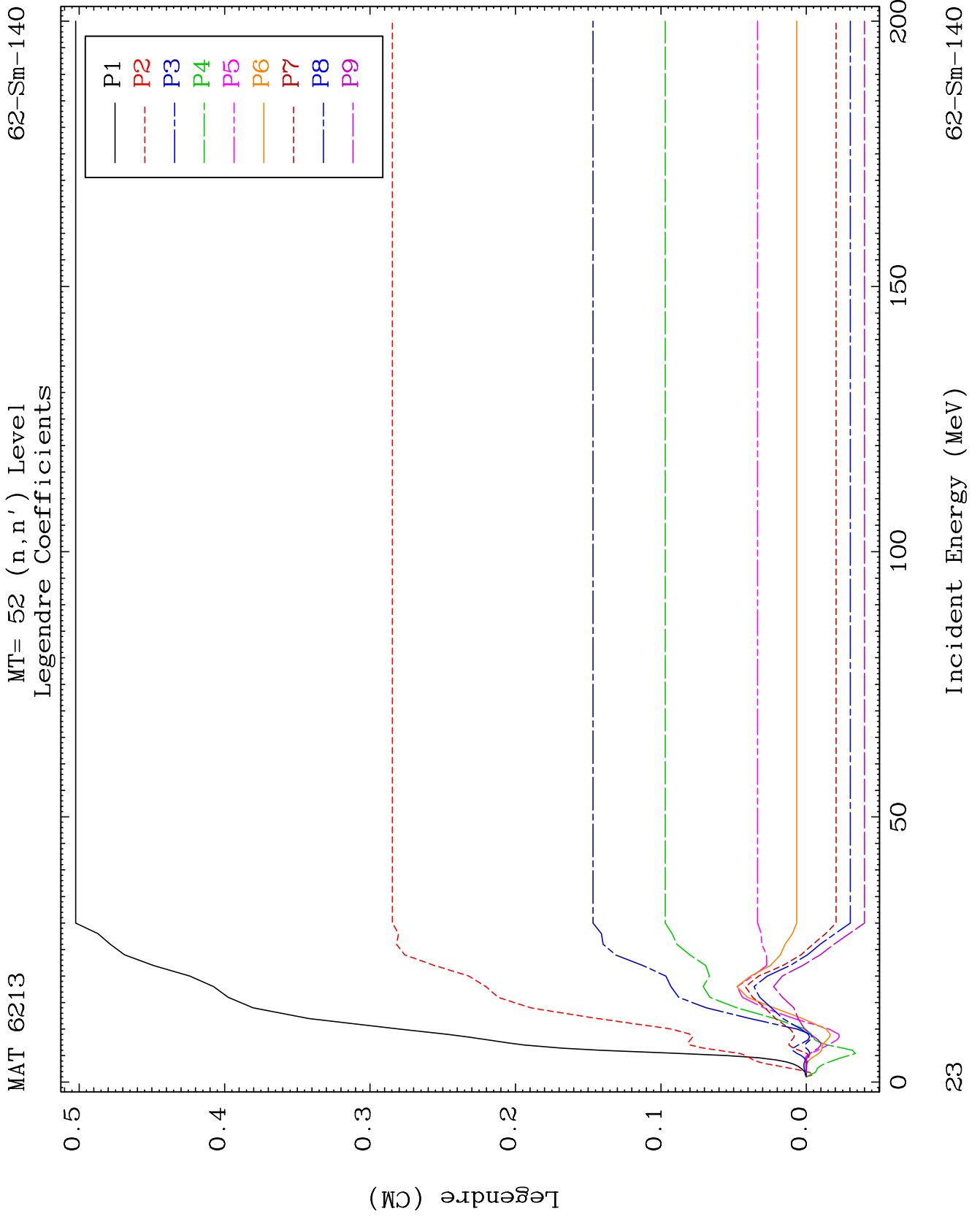


MAT 6213

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

62-Sm-140

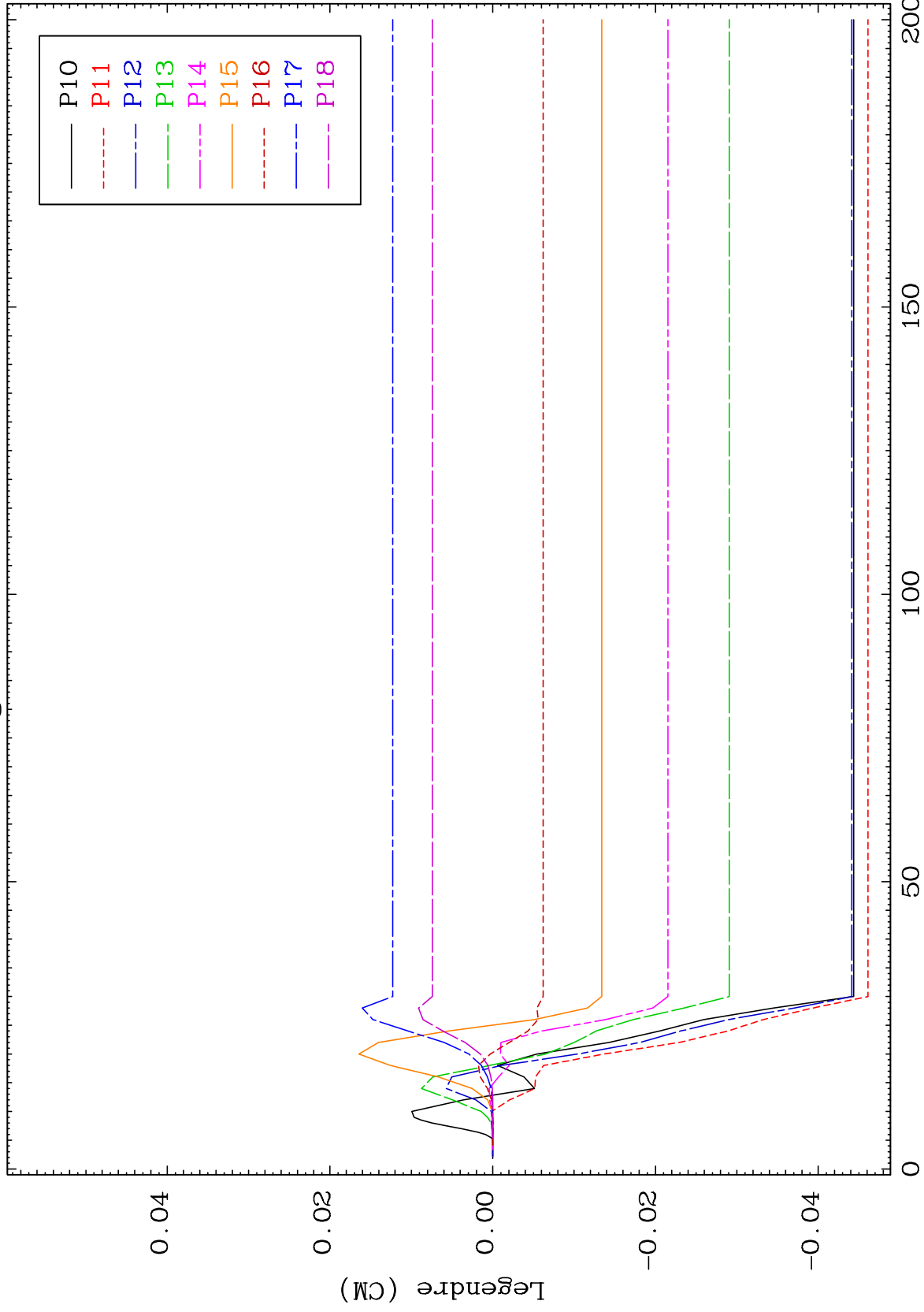




MAT 6213

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

62-Sm-140



24

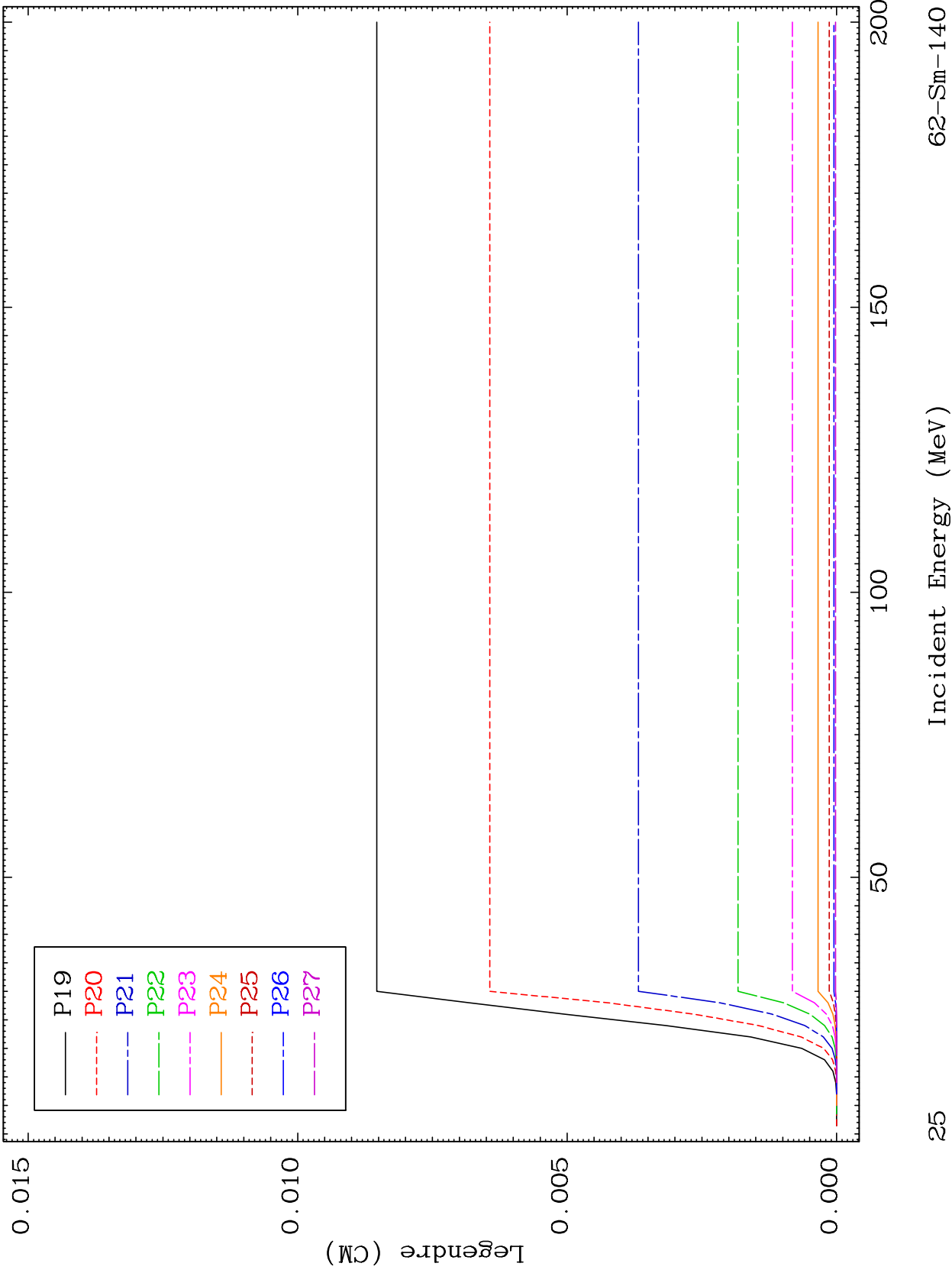
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



25

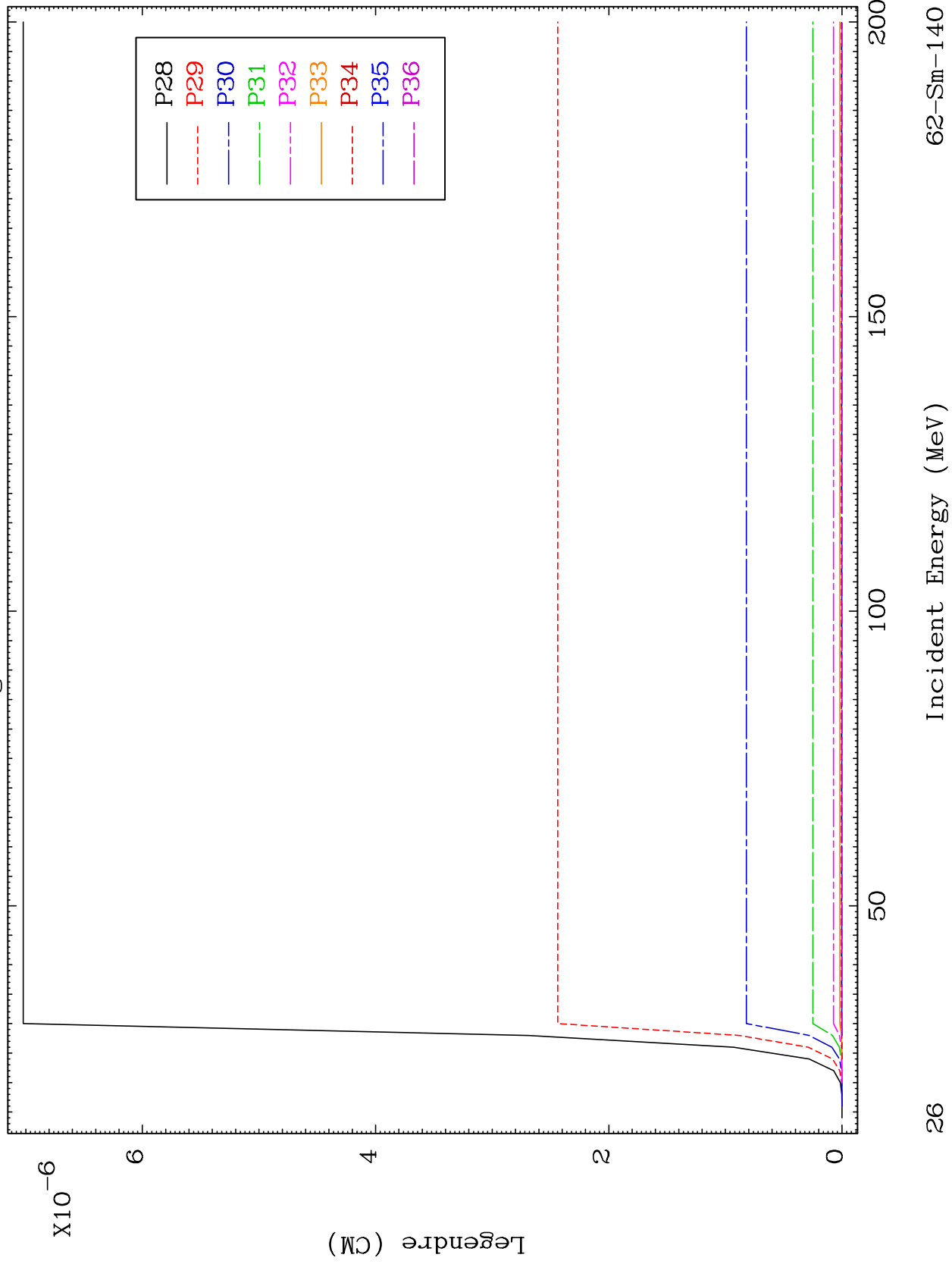
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



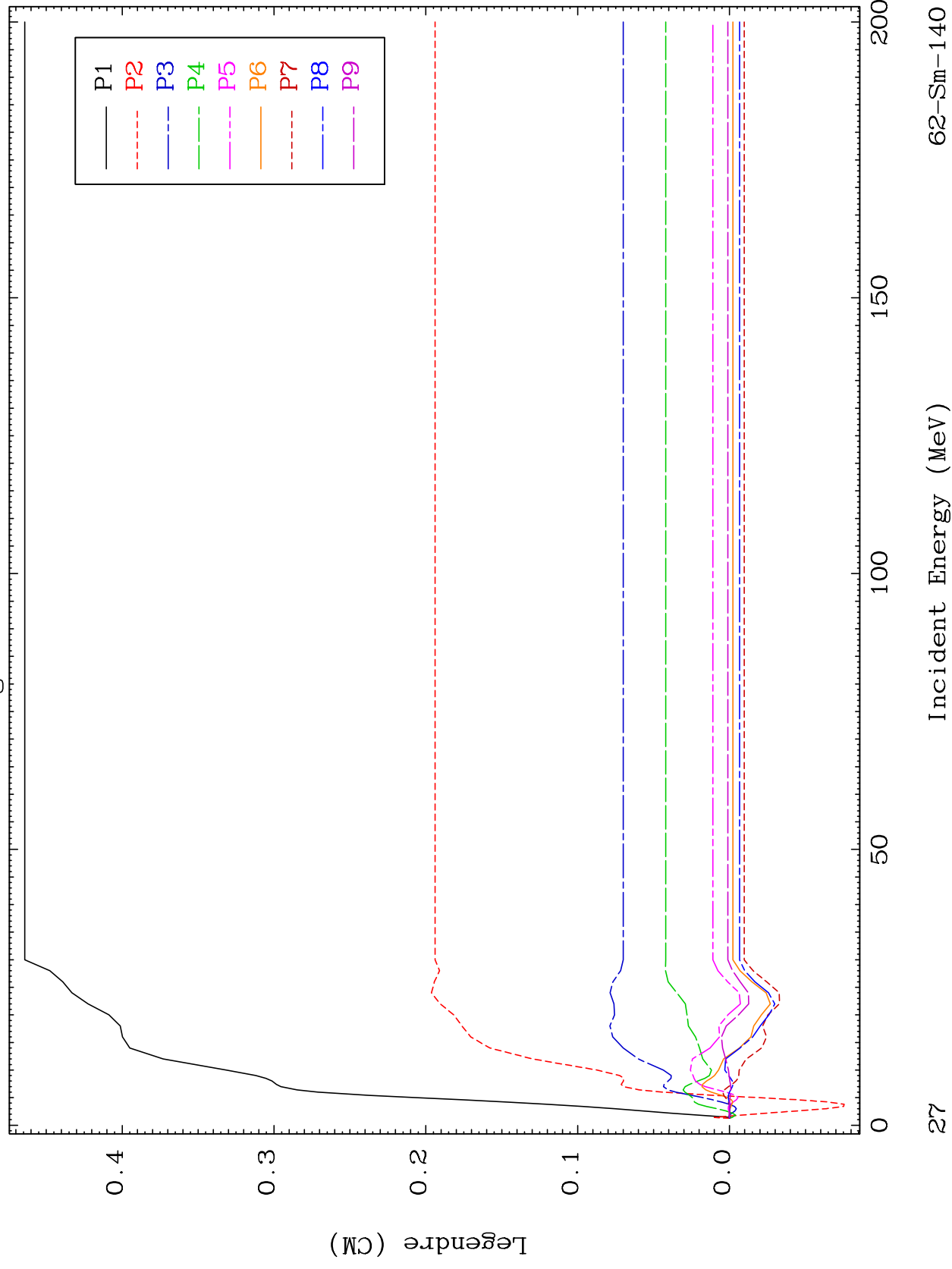
26

62-Sm-140

MAT 6213

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

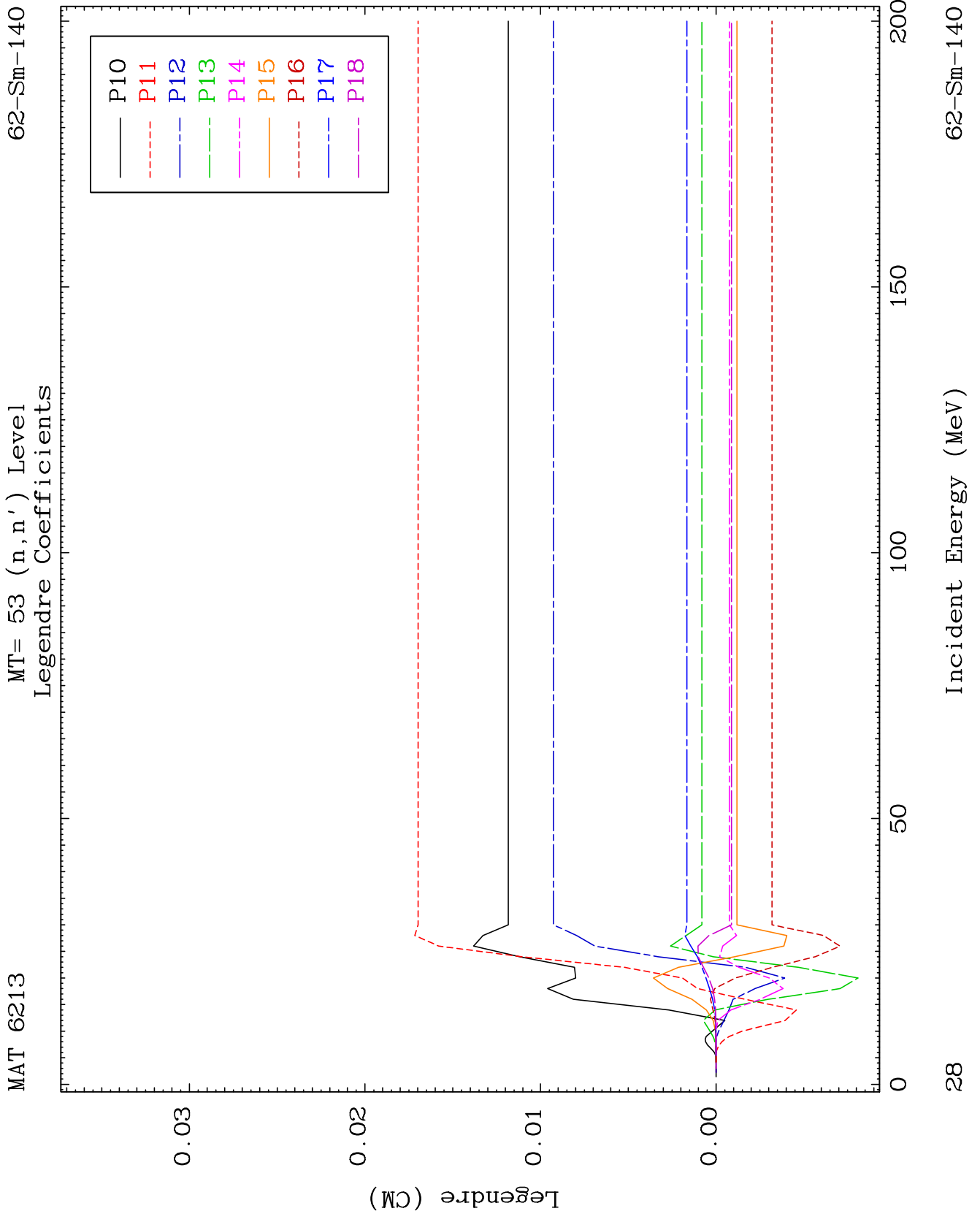
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27

Incident Energy (MeV)

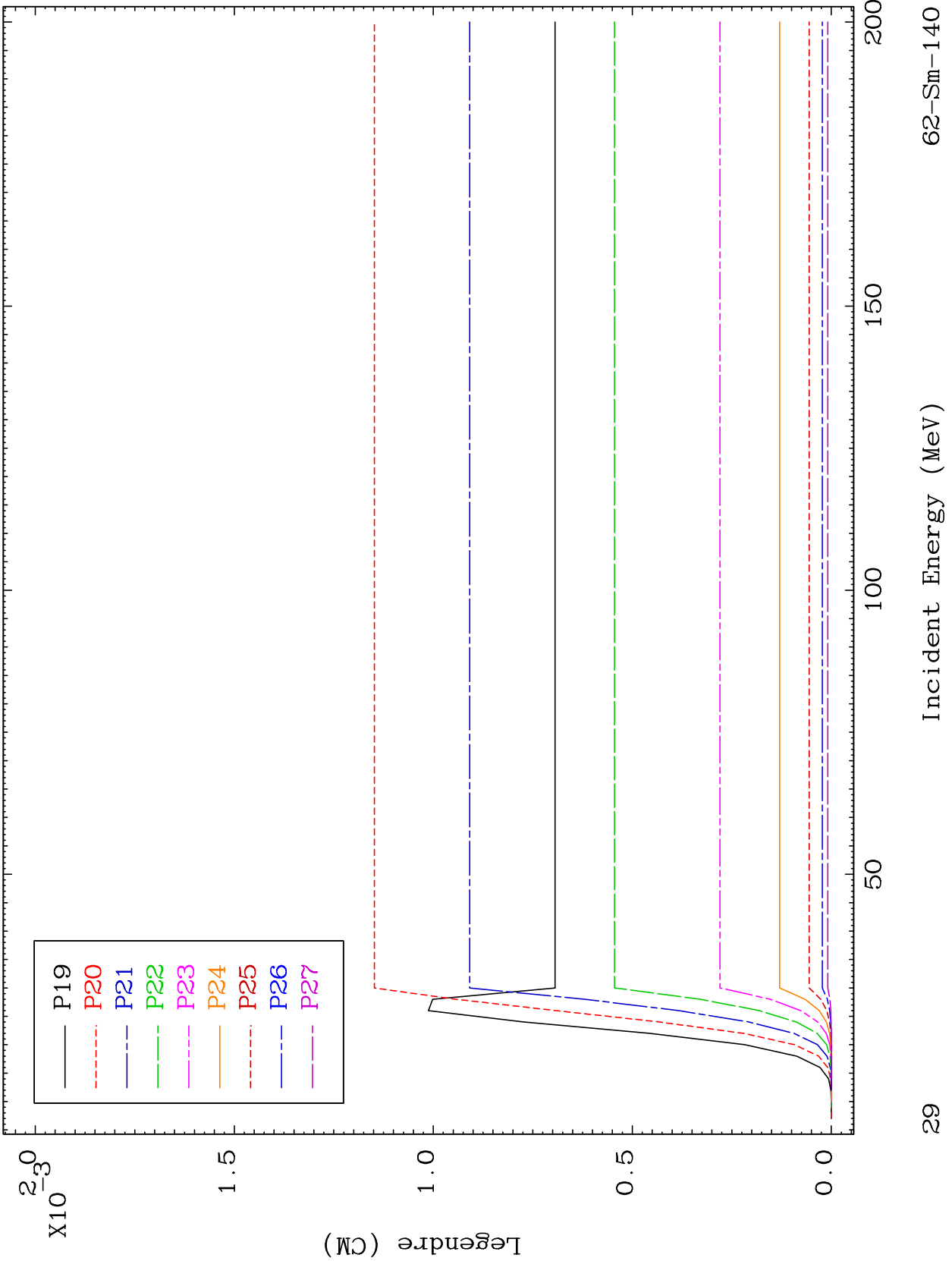
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MAT 6213

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

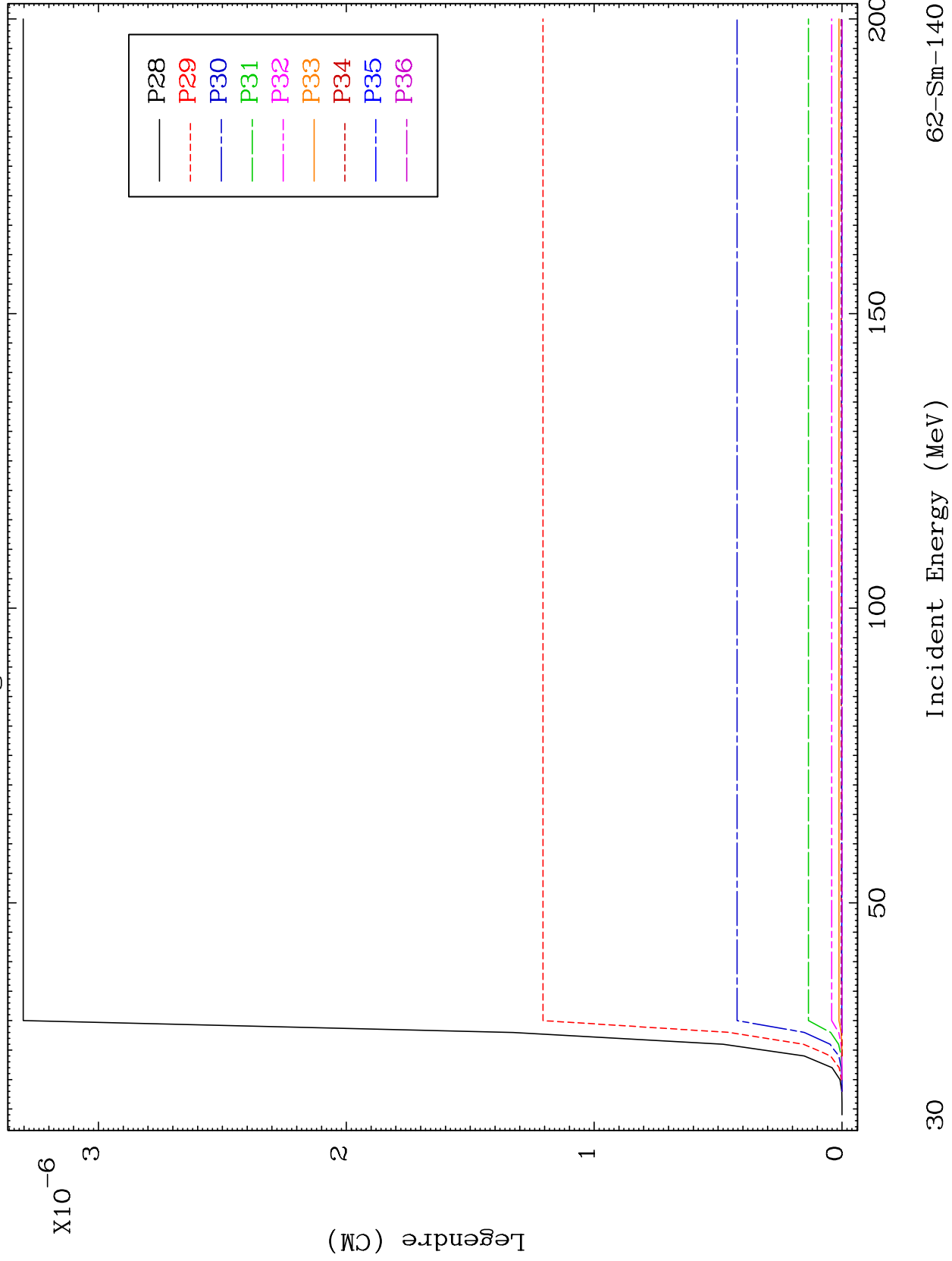
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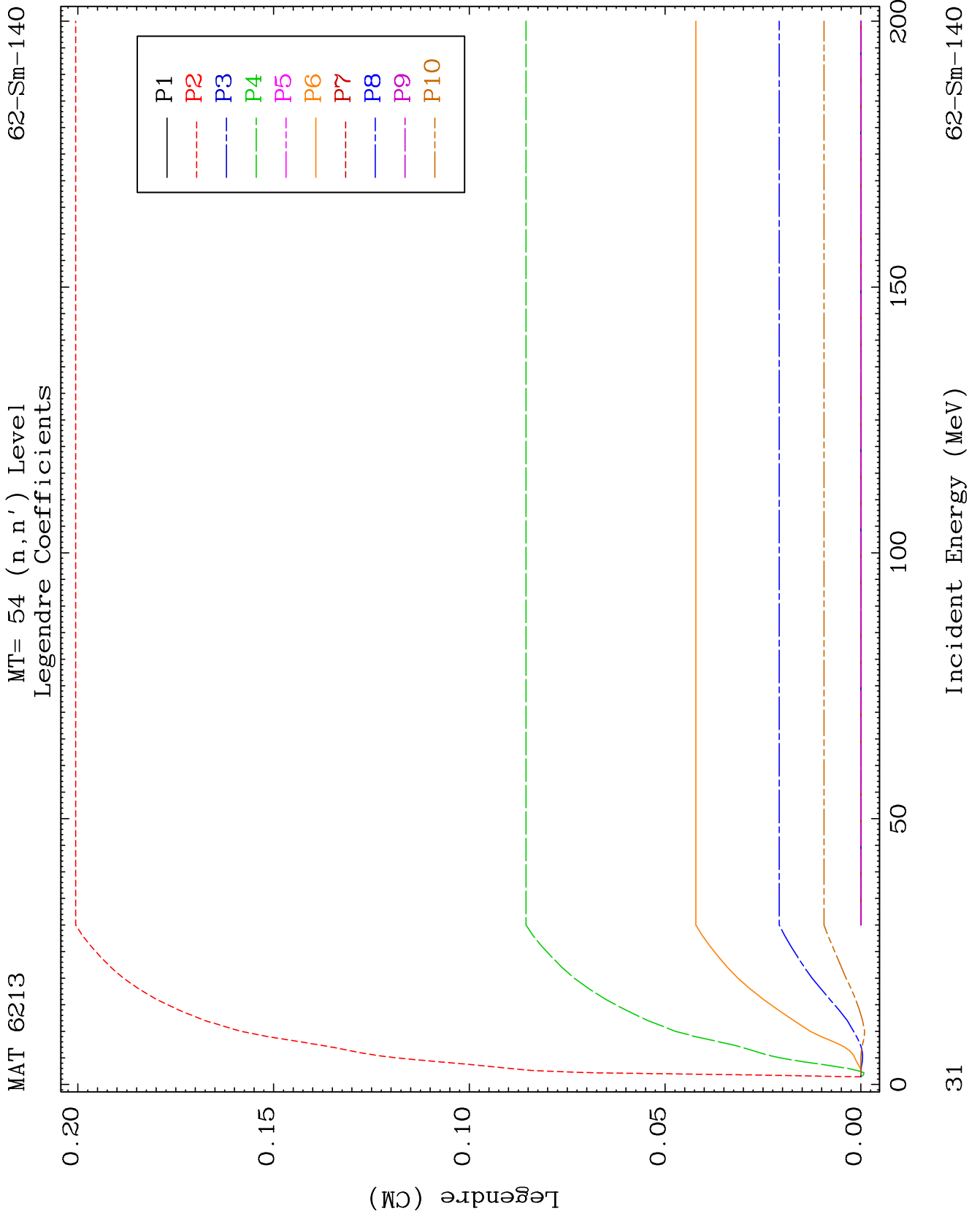


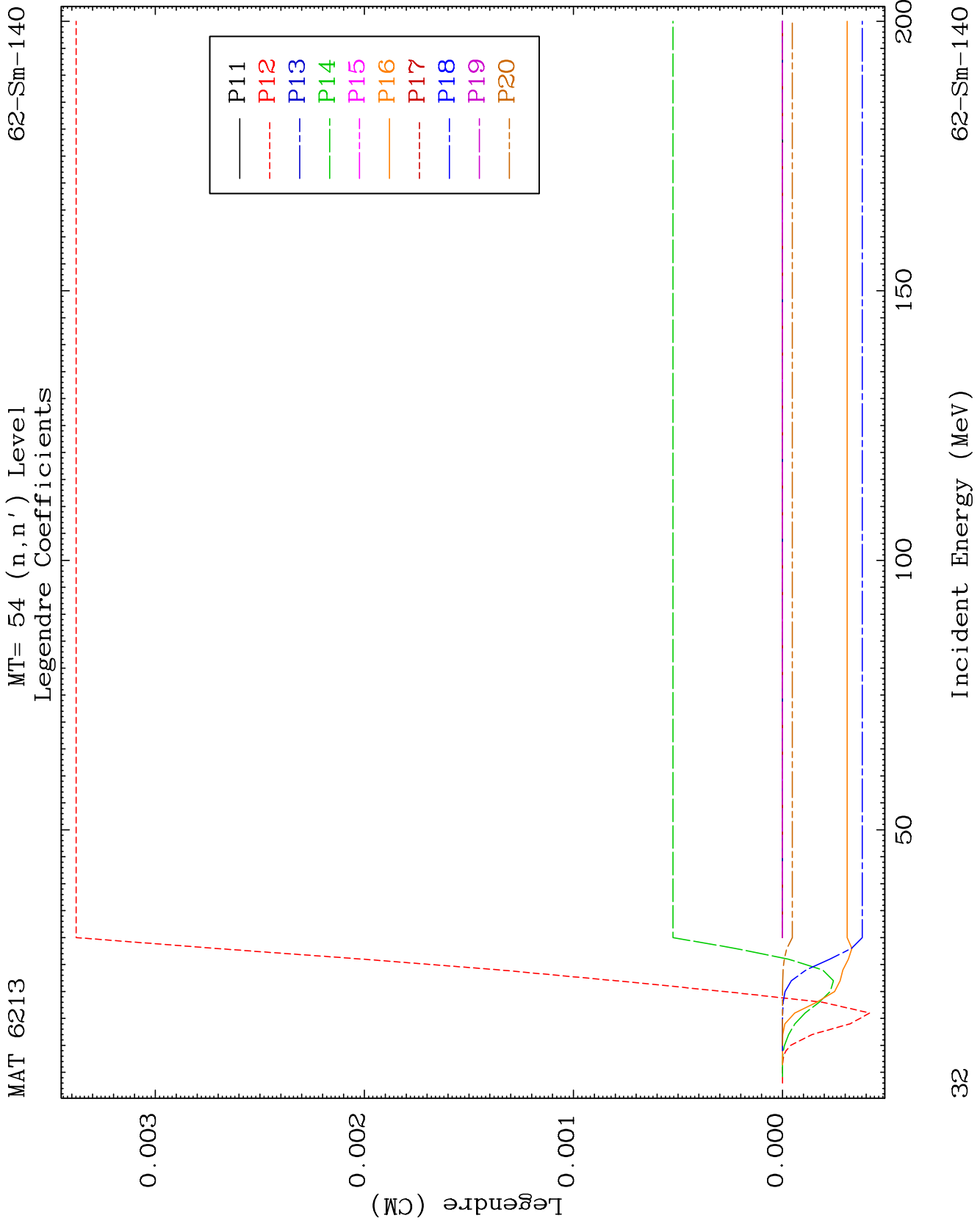
MAT 6213

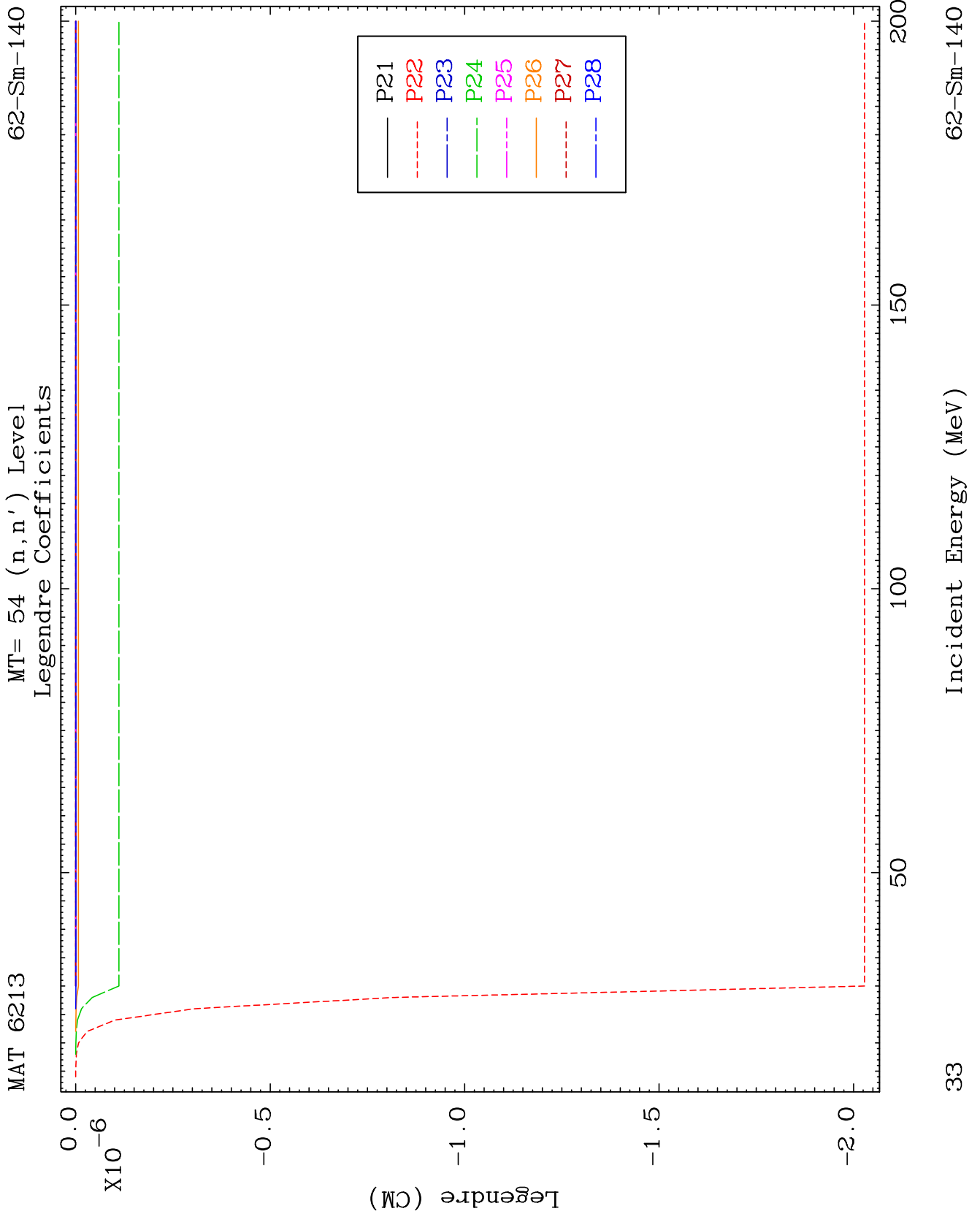
MT= 53 (n,n') Level
Legendre Coefficients

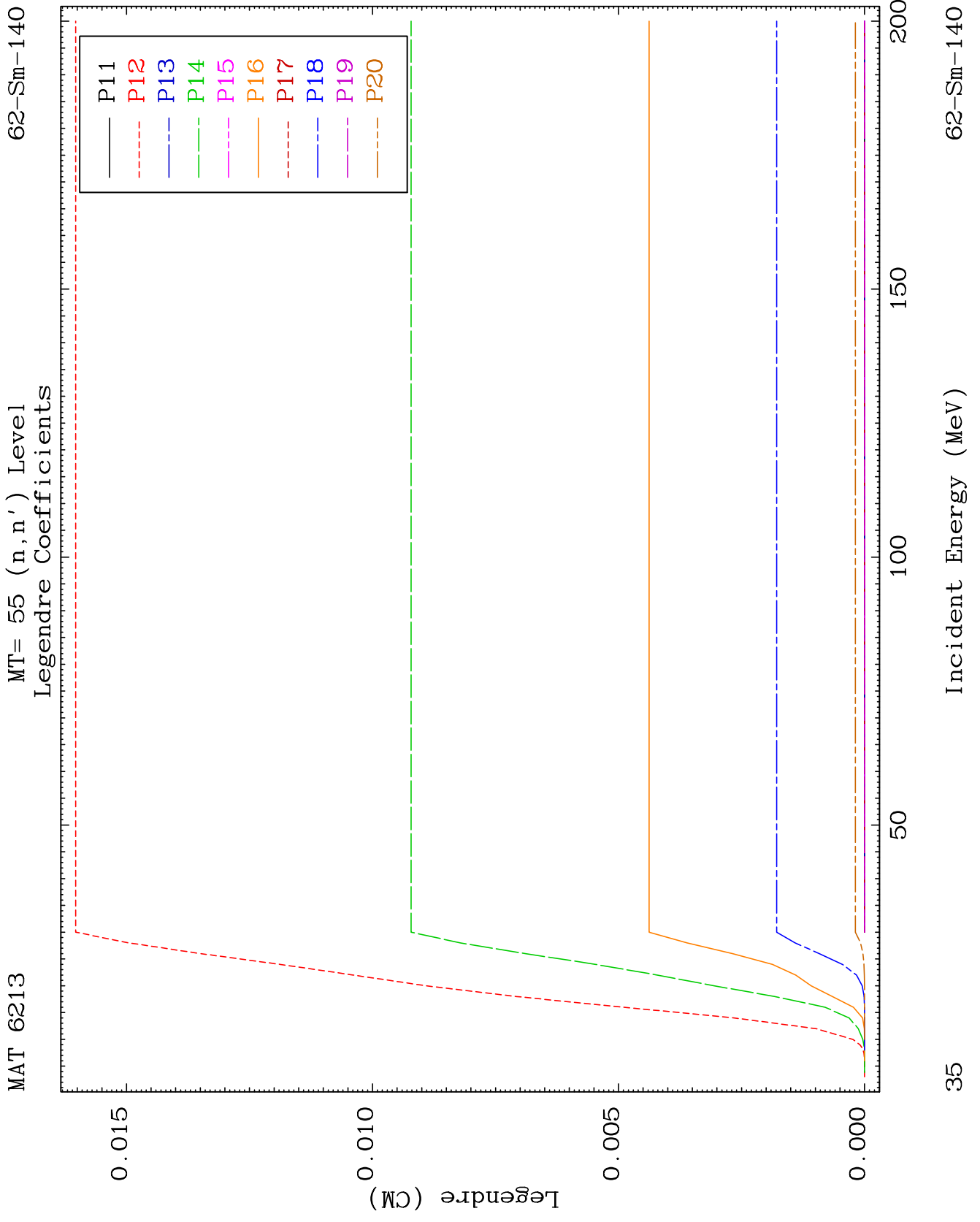
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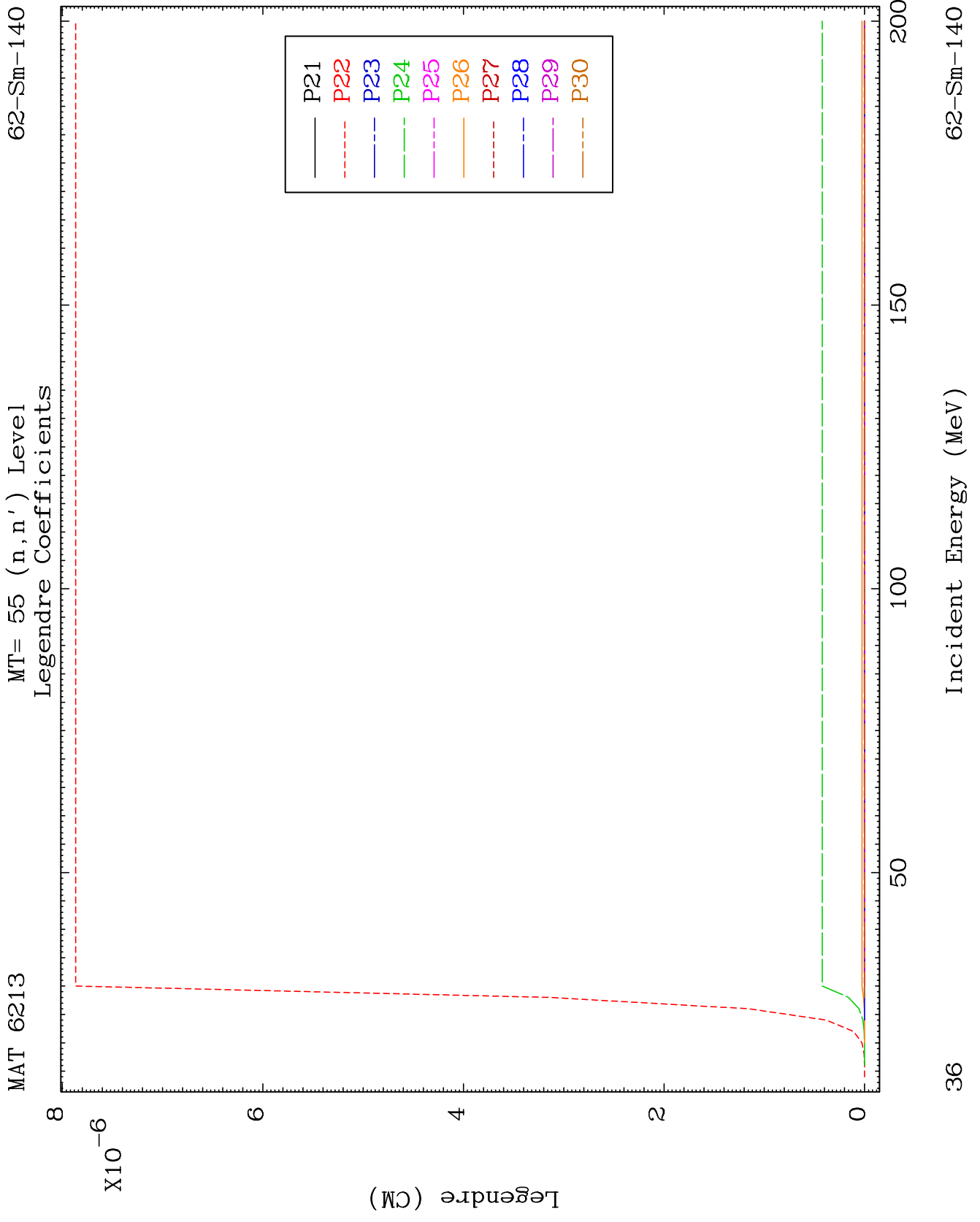


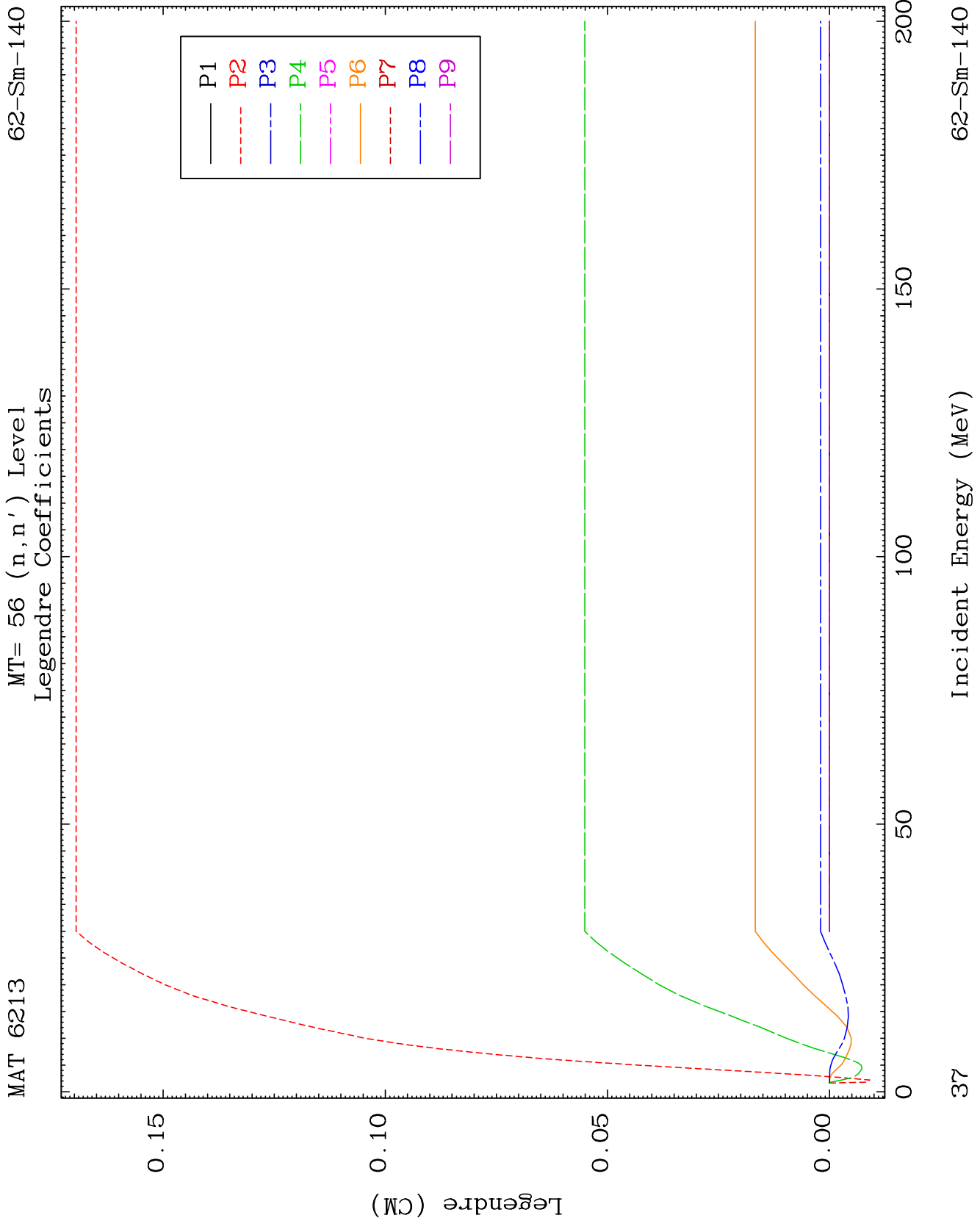








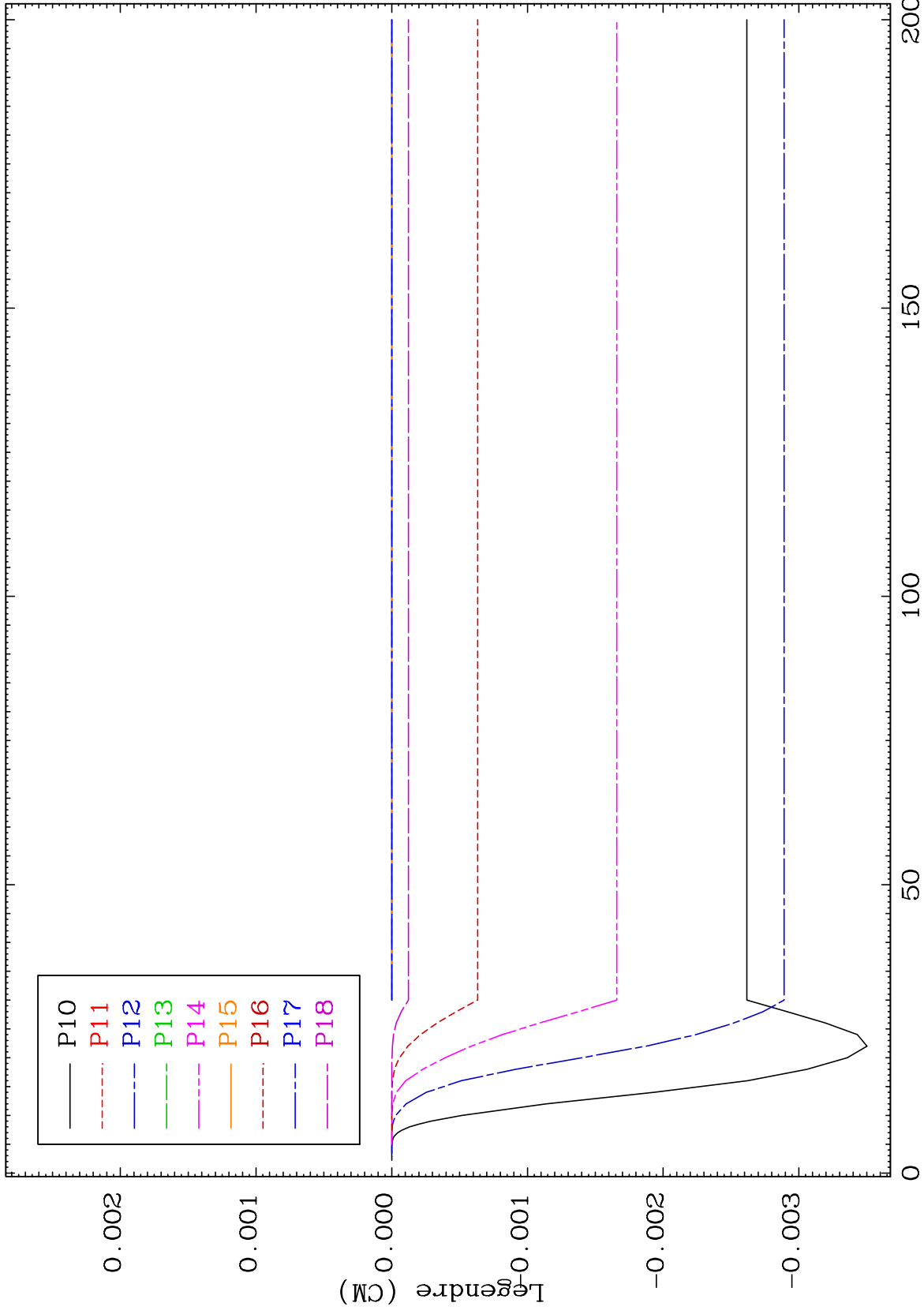




MAT 6213

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

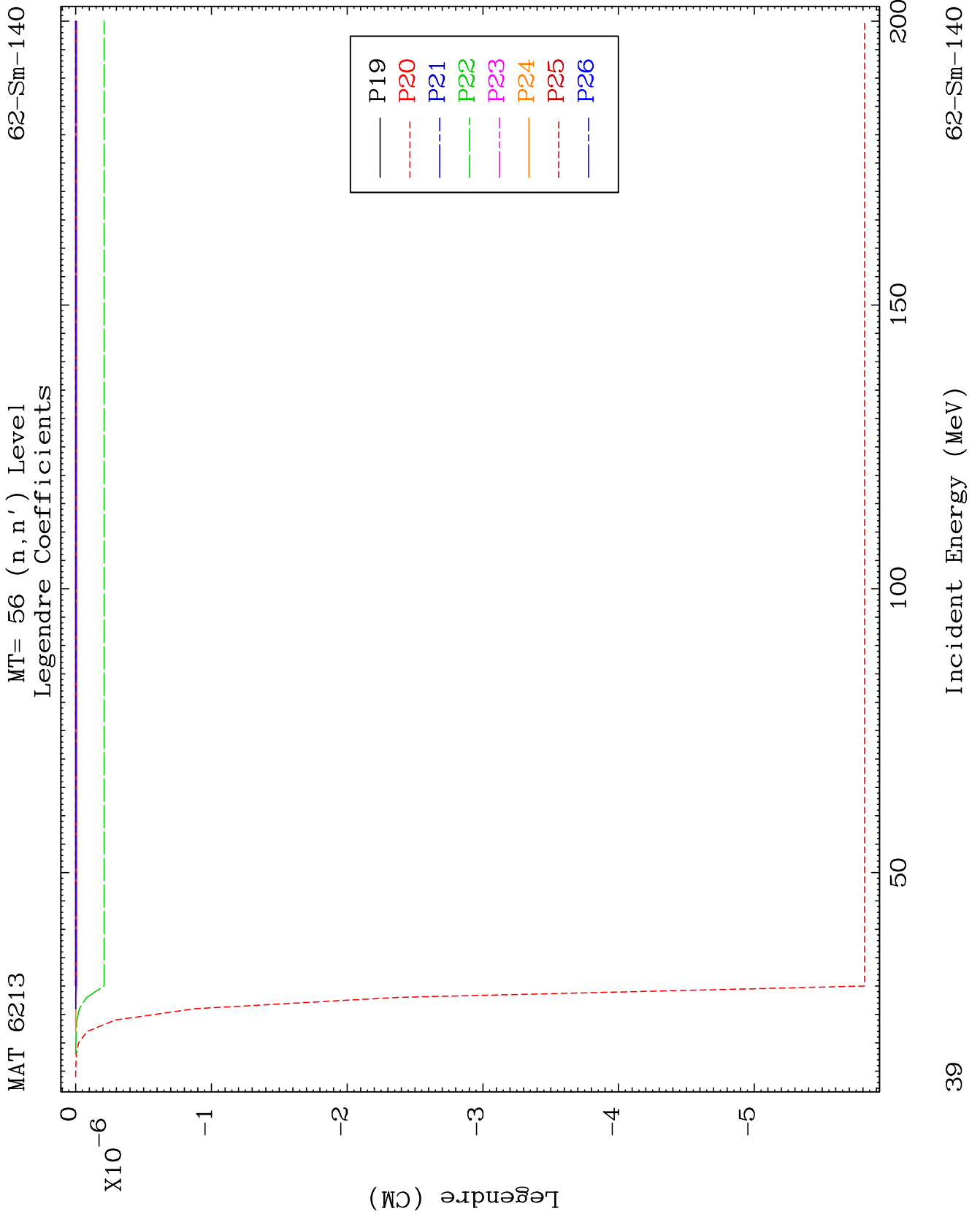
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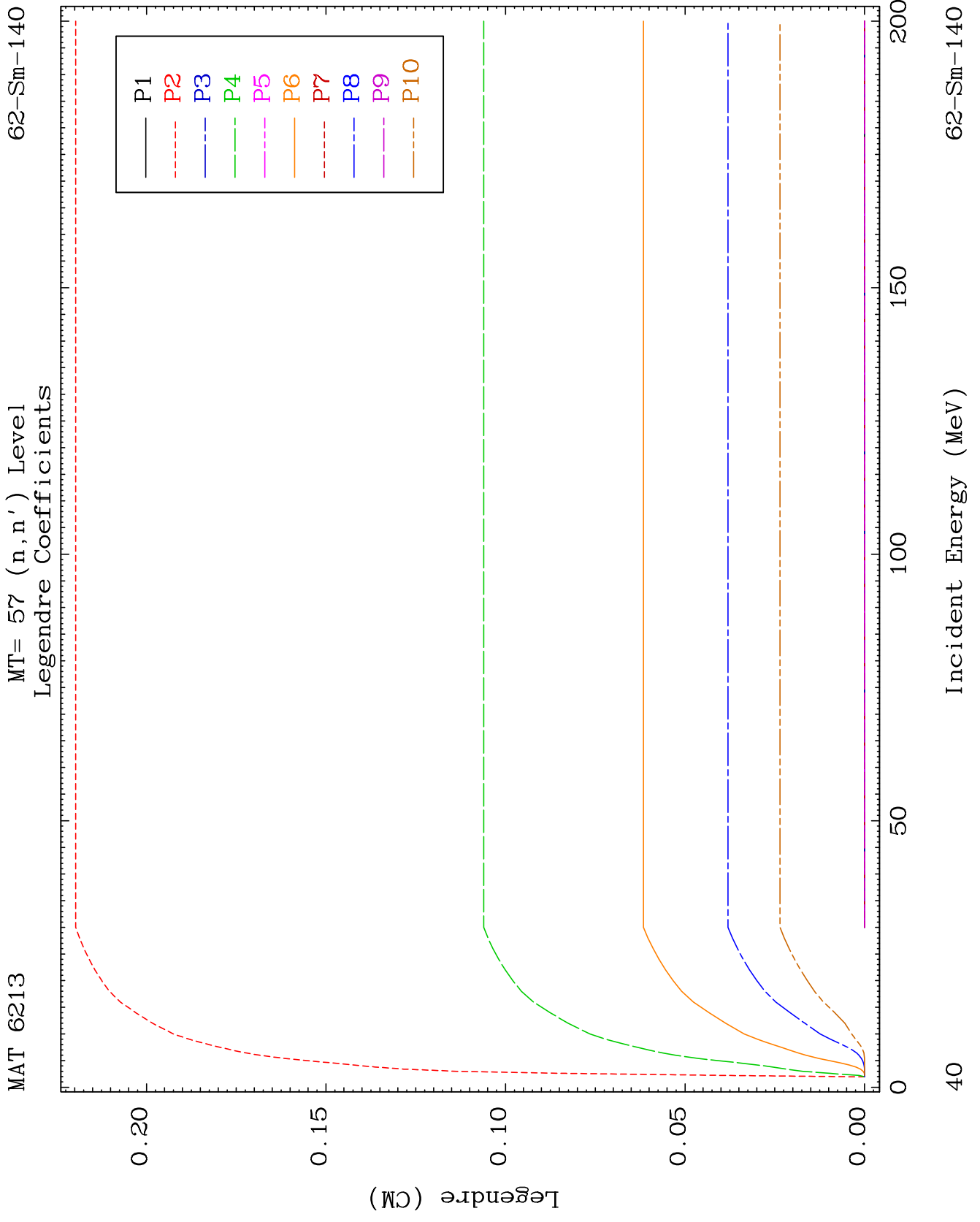


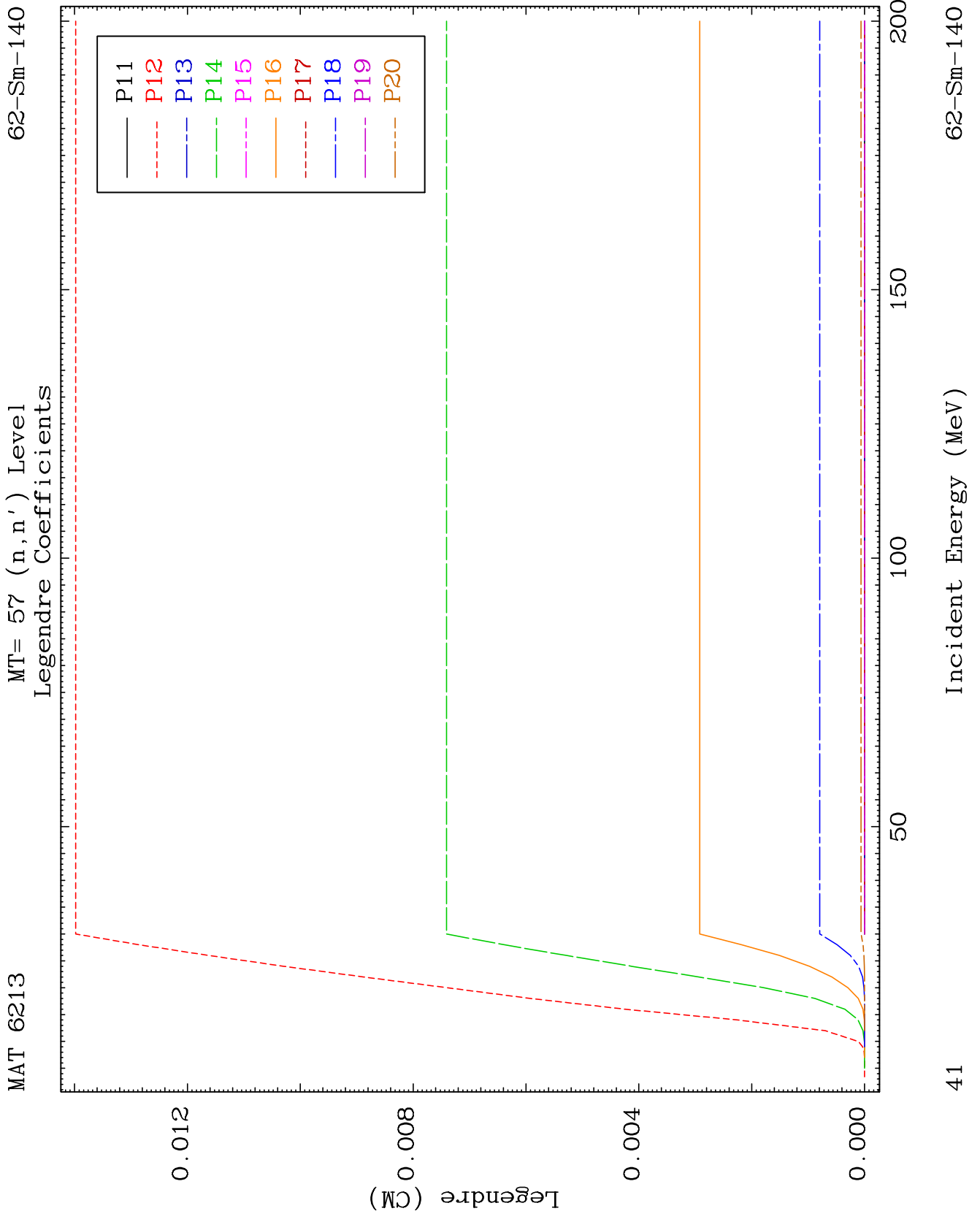
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Incident Energy (MeV)

62-Sm-140



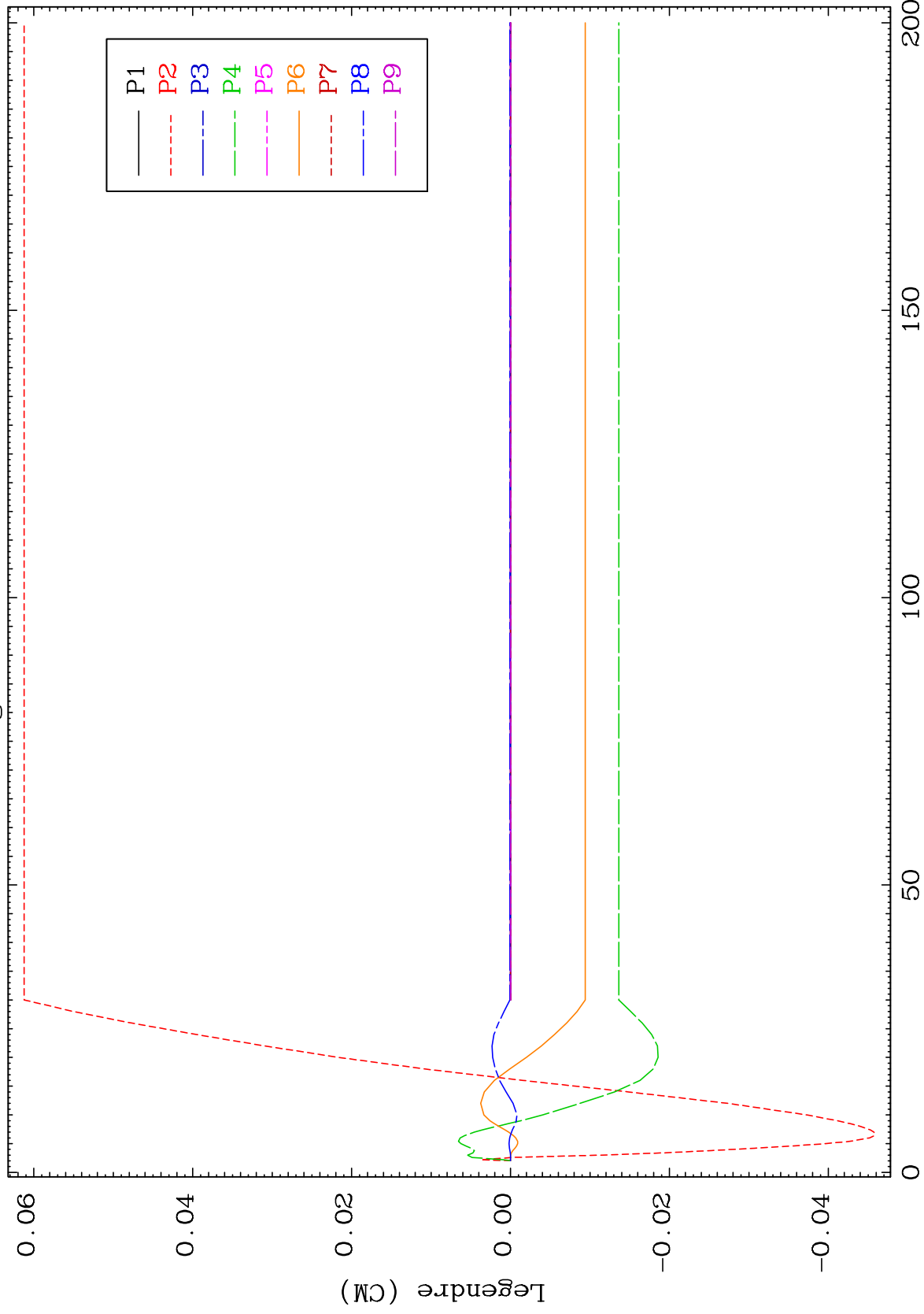




MAT 6213

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

62-Sm-140



43

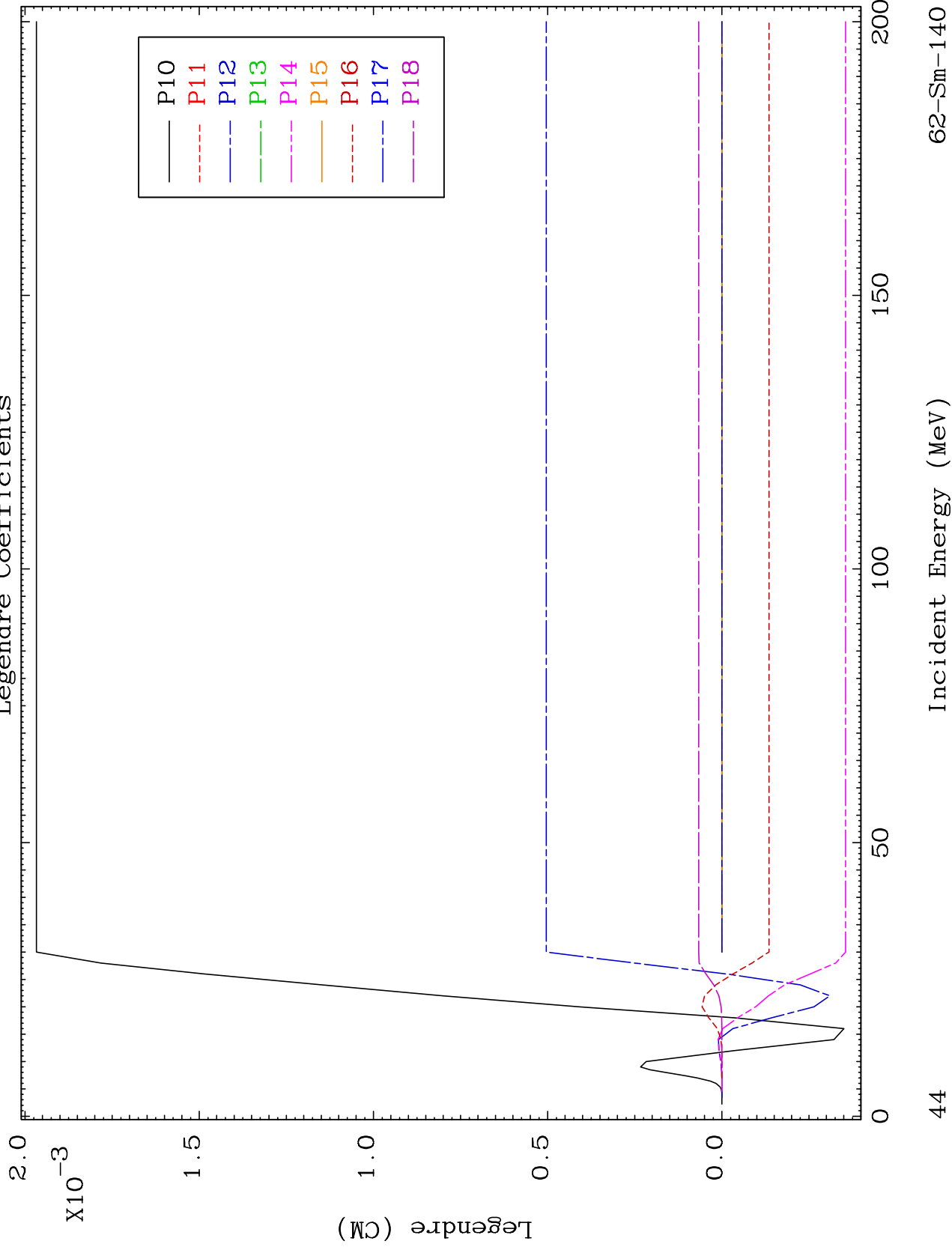
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

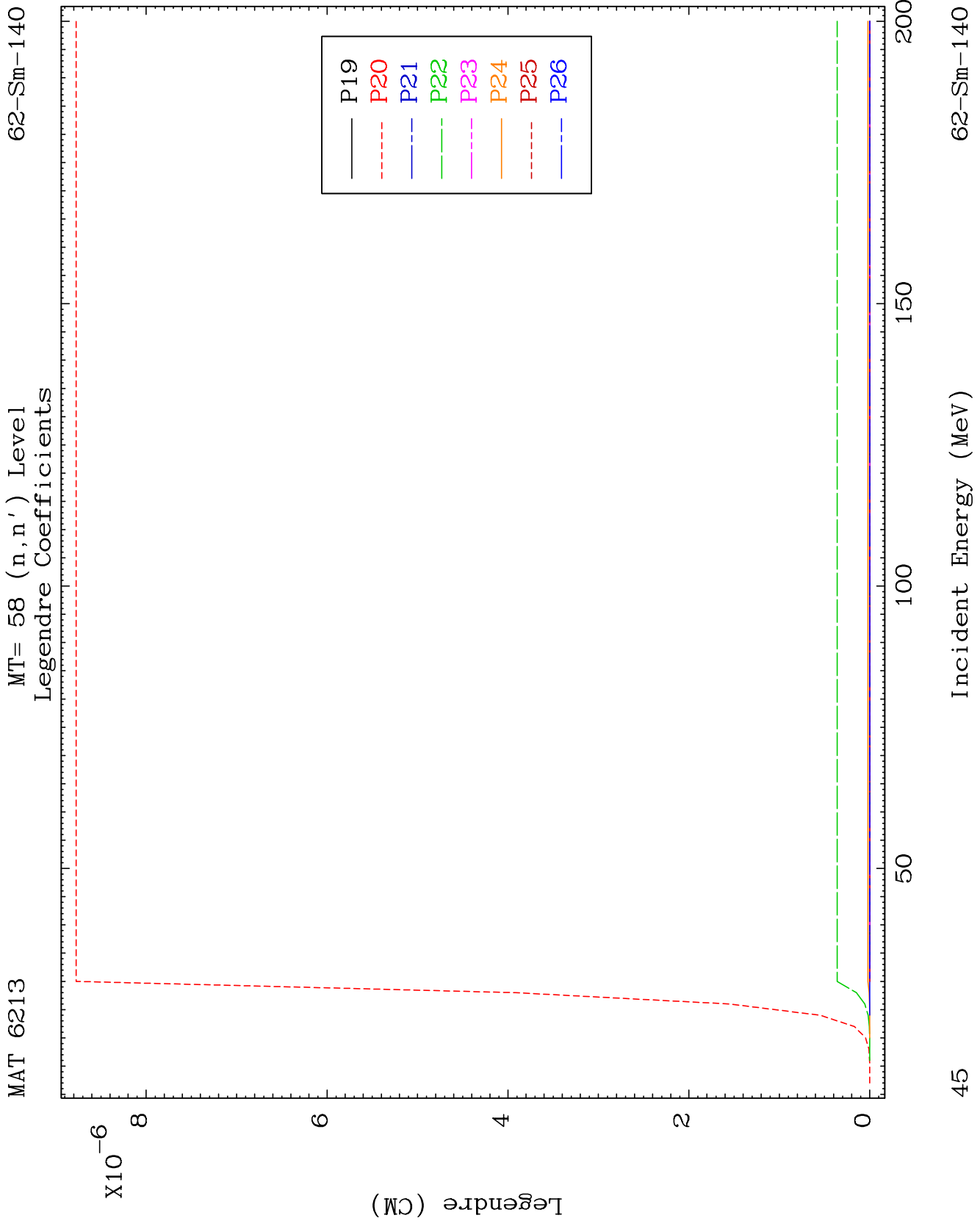
62-Sm-140



44

Incident Energy (MeV)

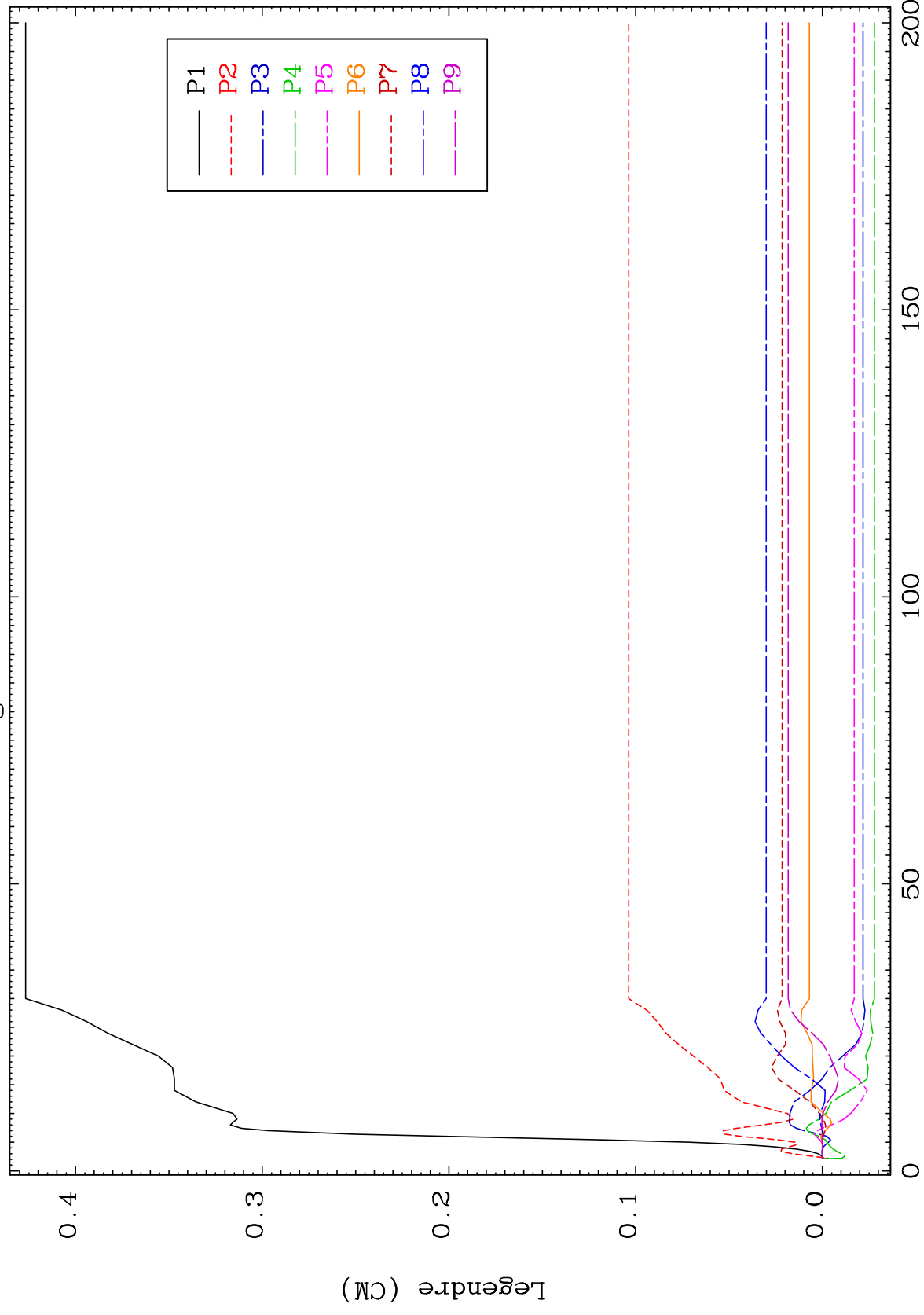
62-Sm-140



MAT 6213

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

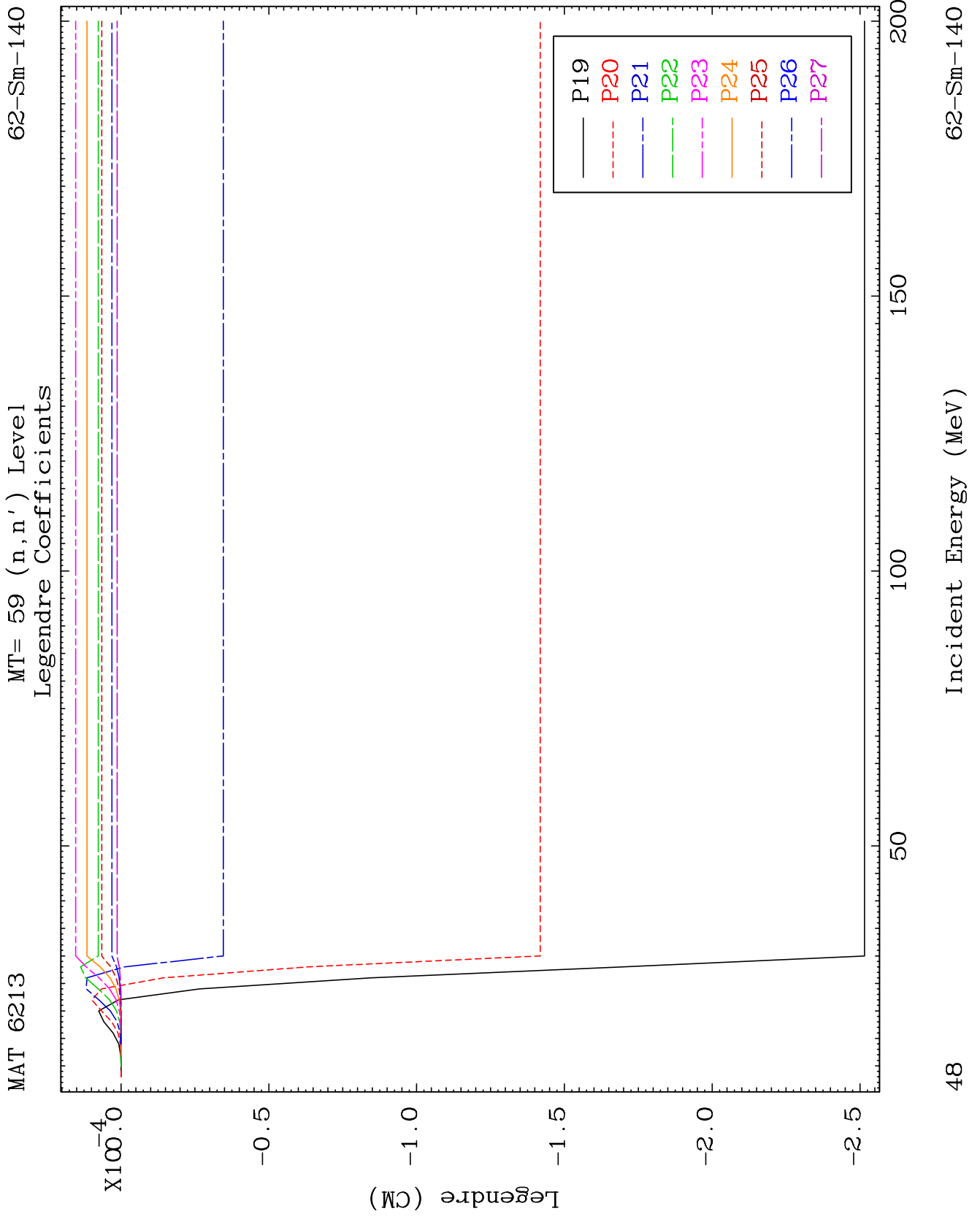
62-Sm-140



62-Sm-140

Incident Energy (MeV)

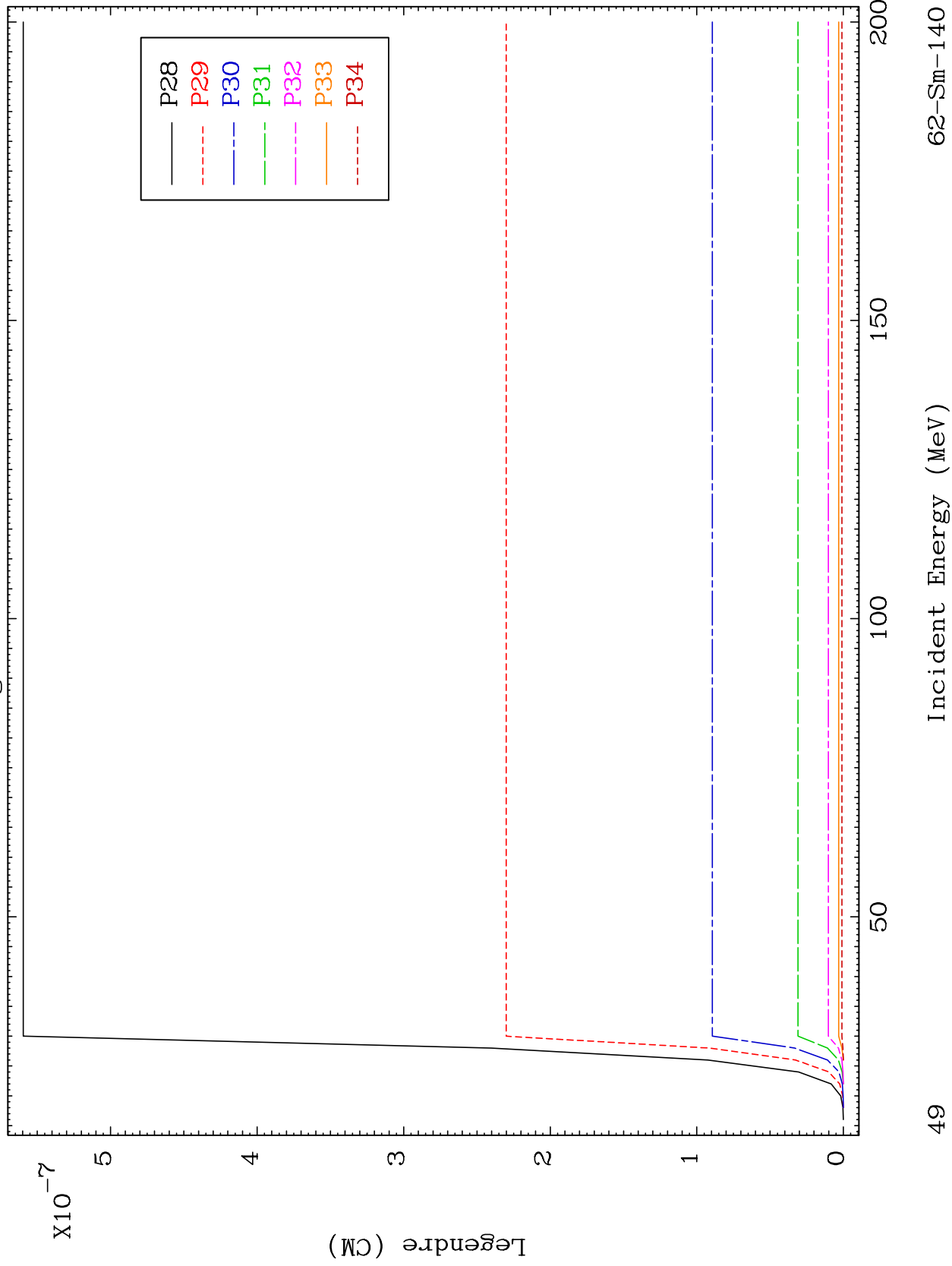
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MAT 6213

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

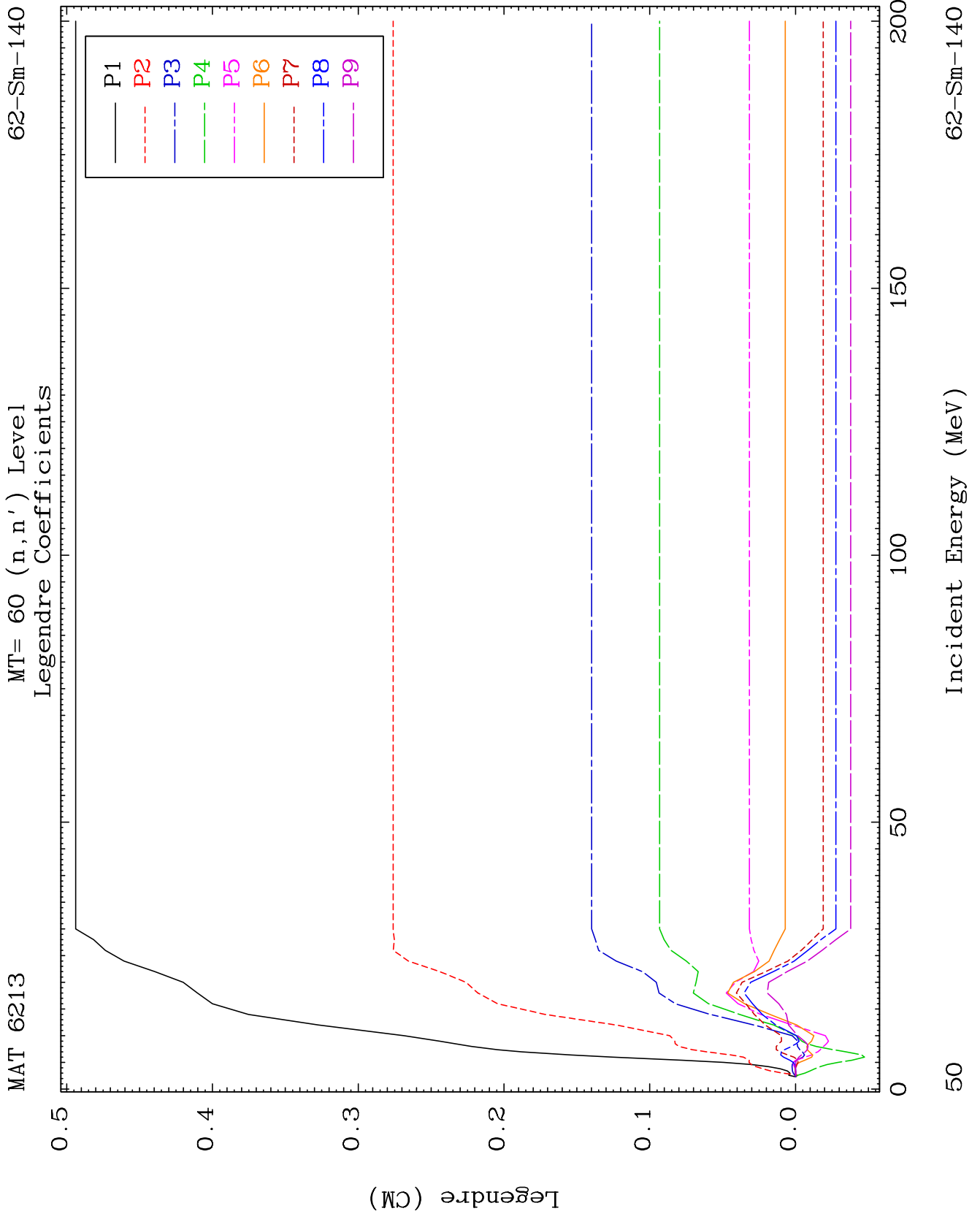
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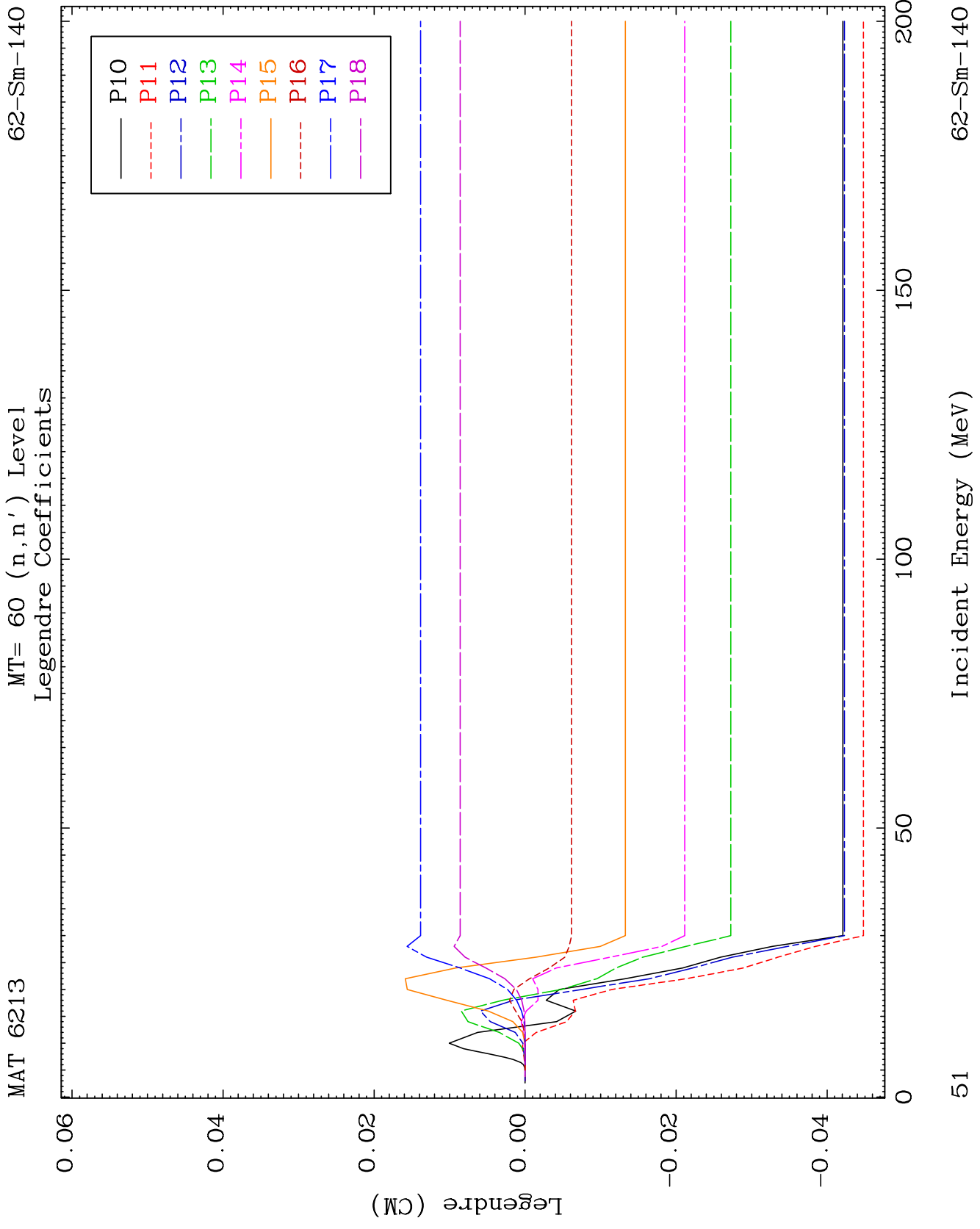


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Incident Energy (MeV)

62-Sm-140

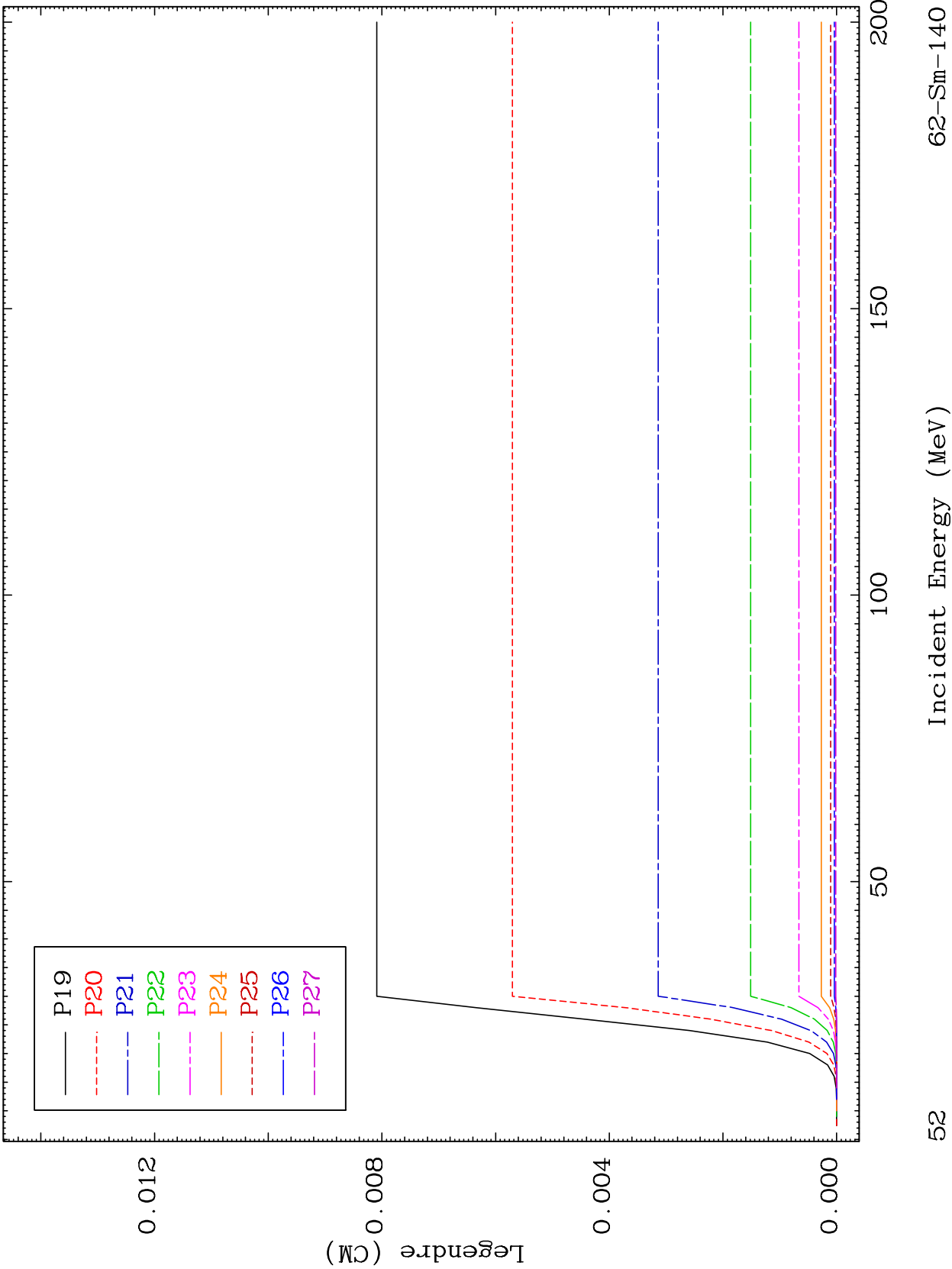




MAT 6213

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

62-Sm-140



52

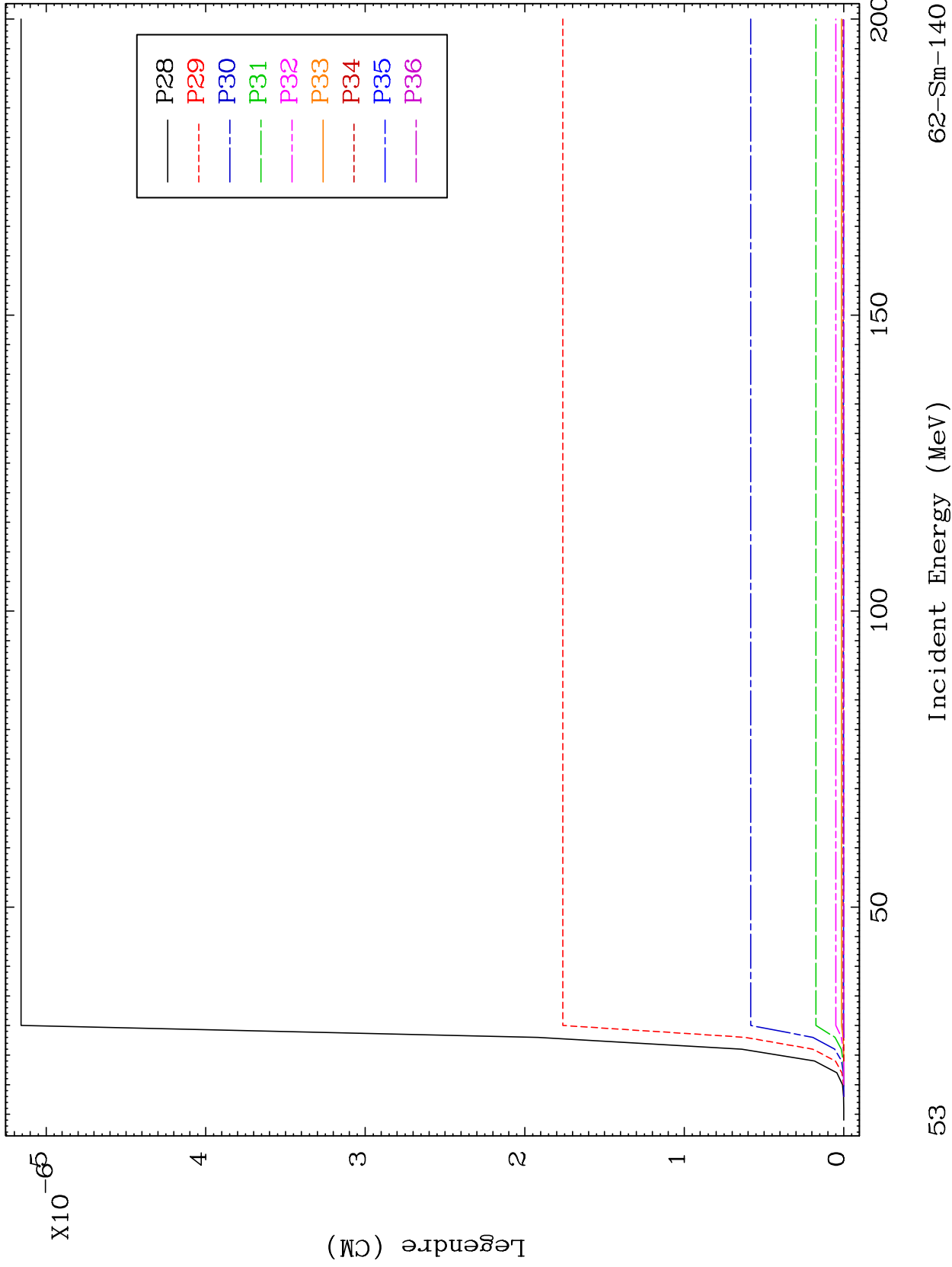
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



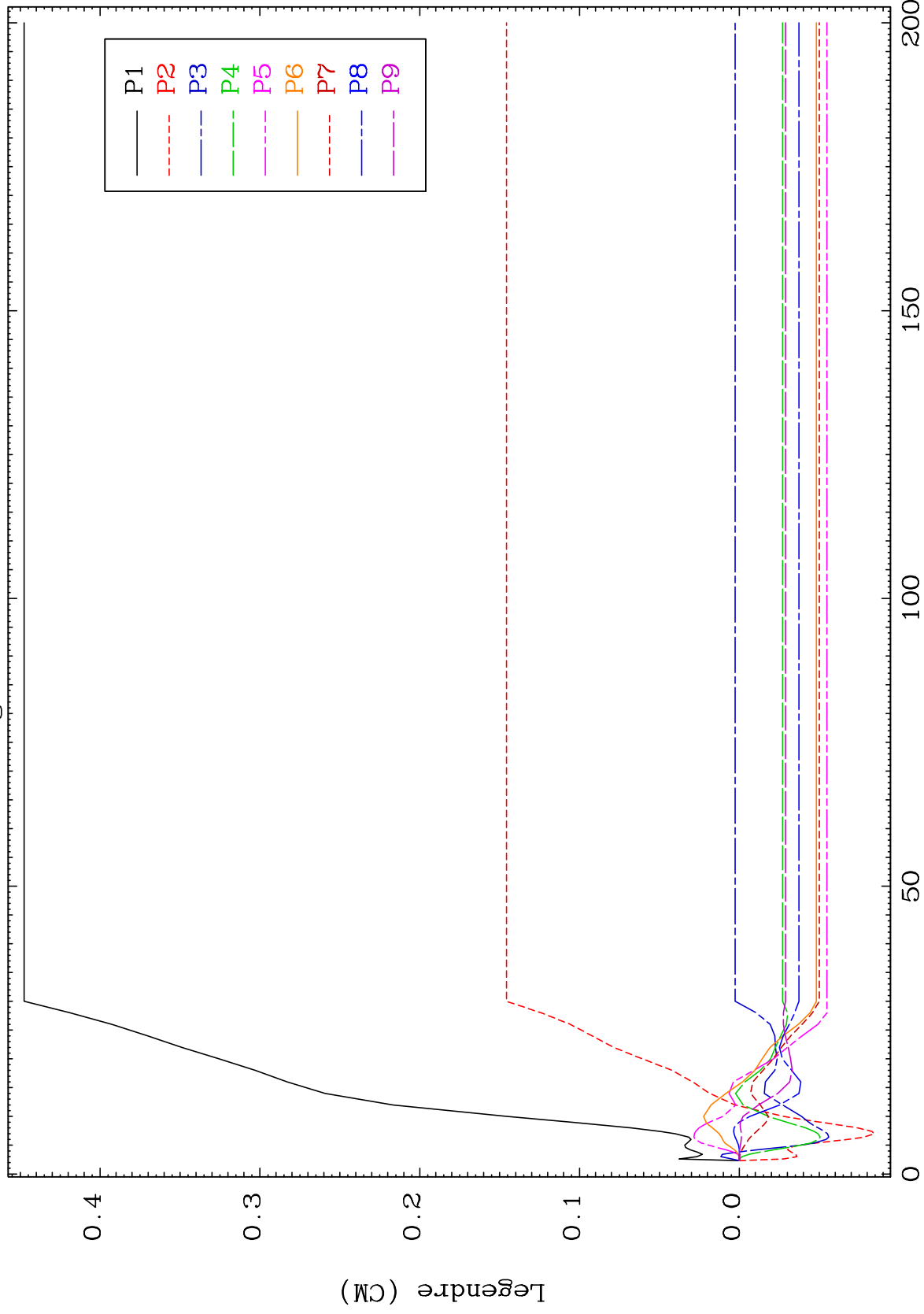
53

62-Sm-140

MAT 6213

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

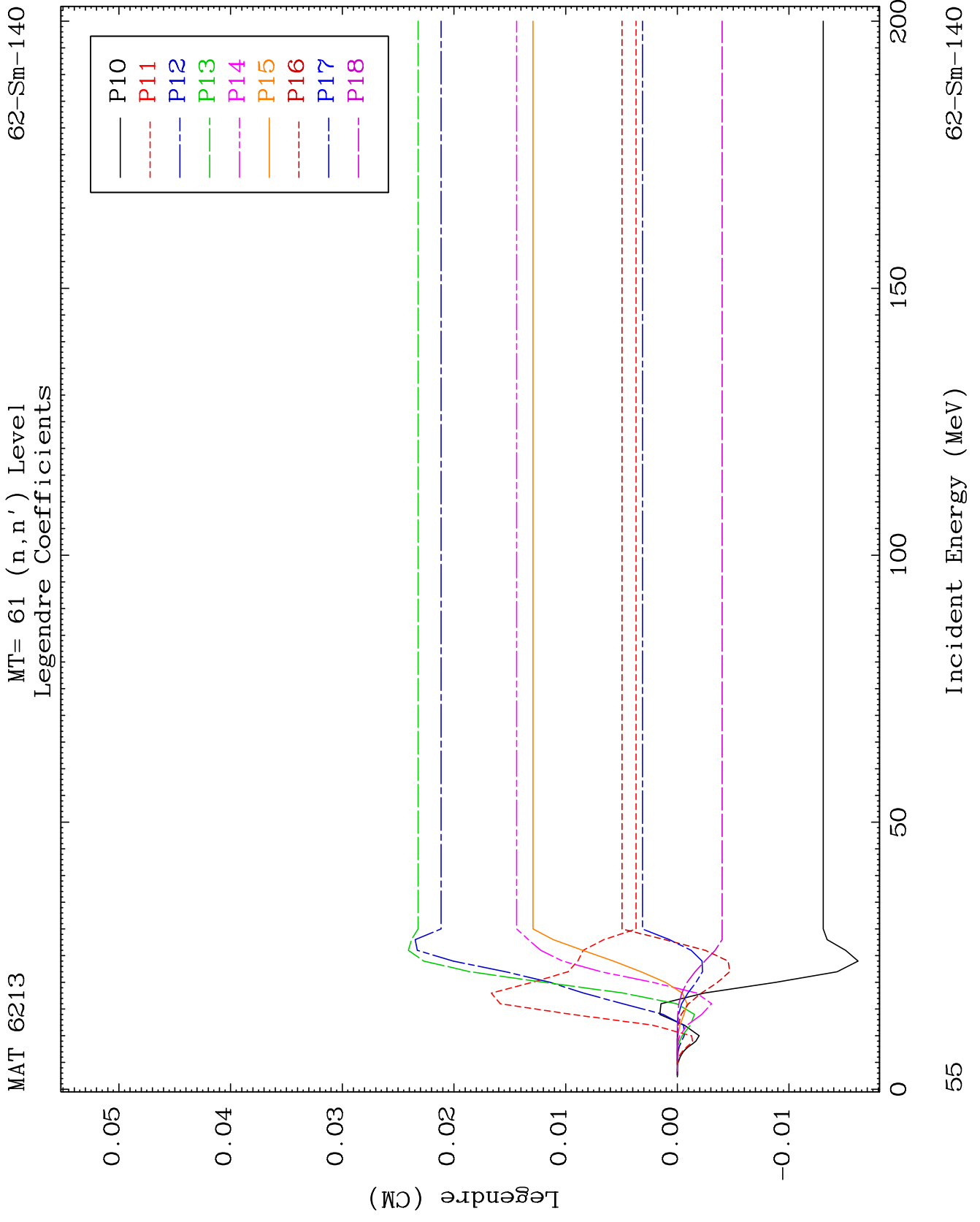
62-Sm-140



54

Incident Energy (MeV)

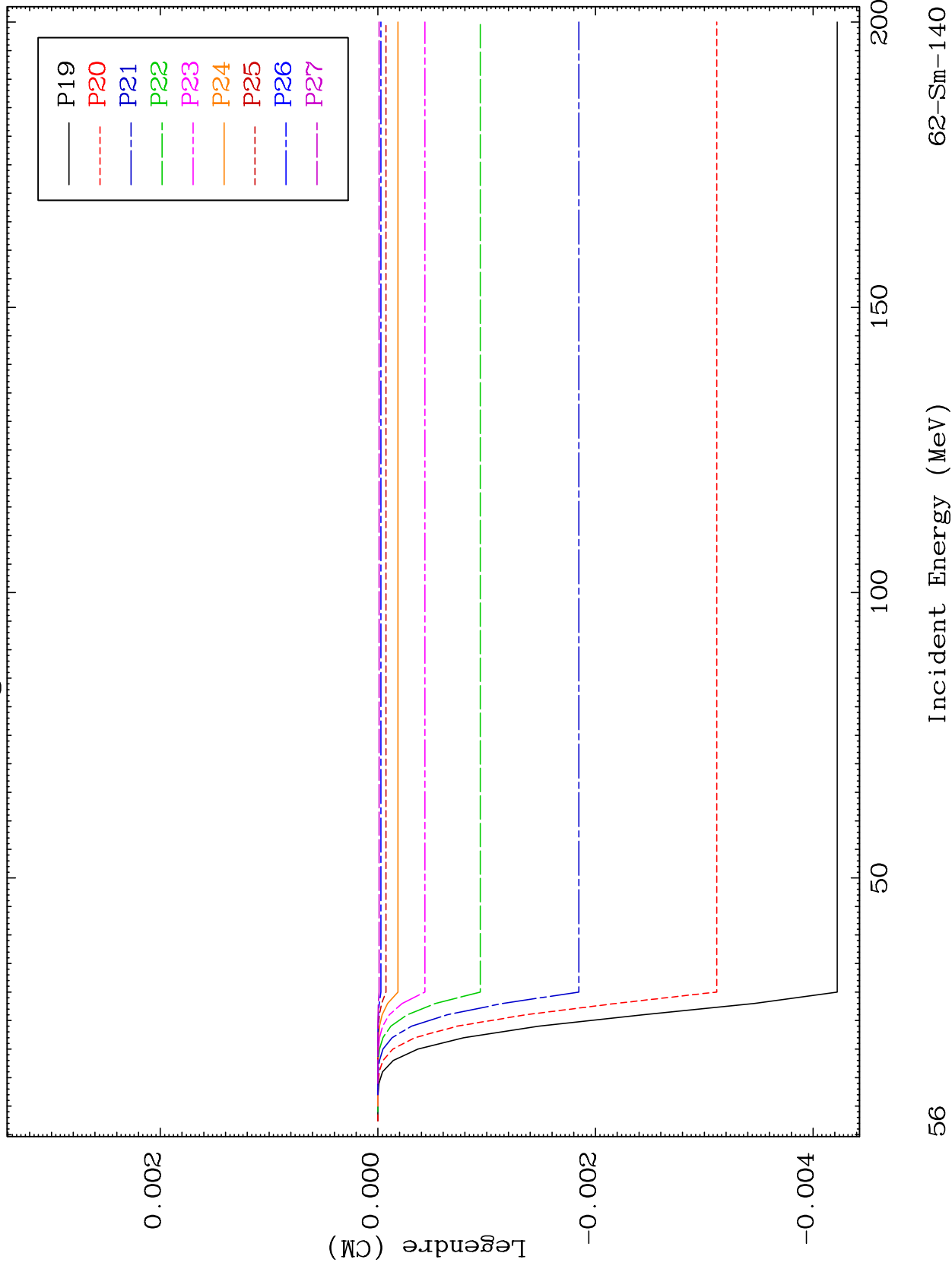
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MAT 6213

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

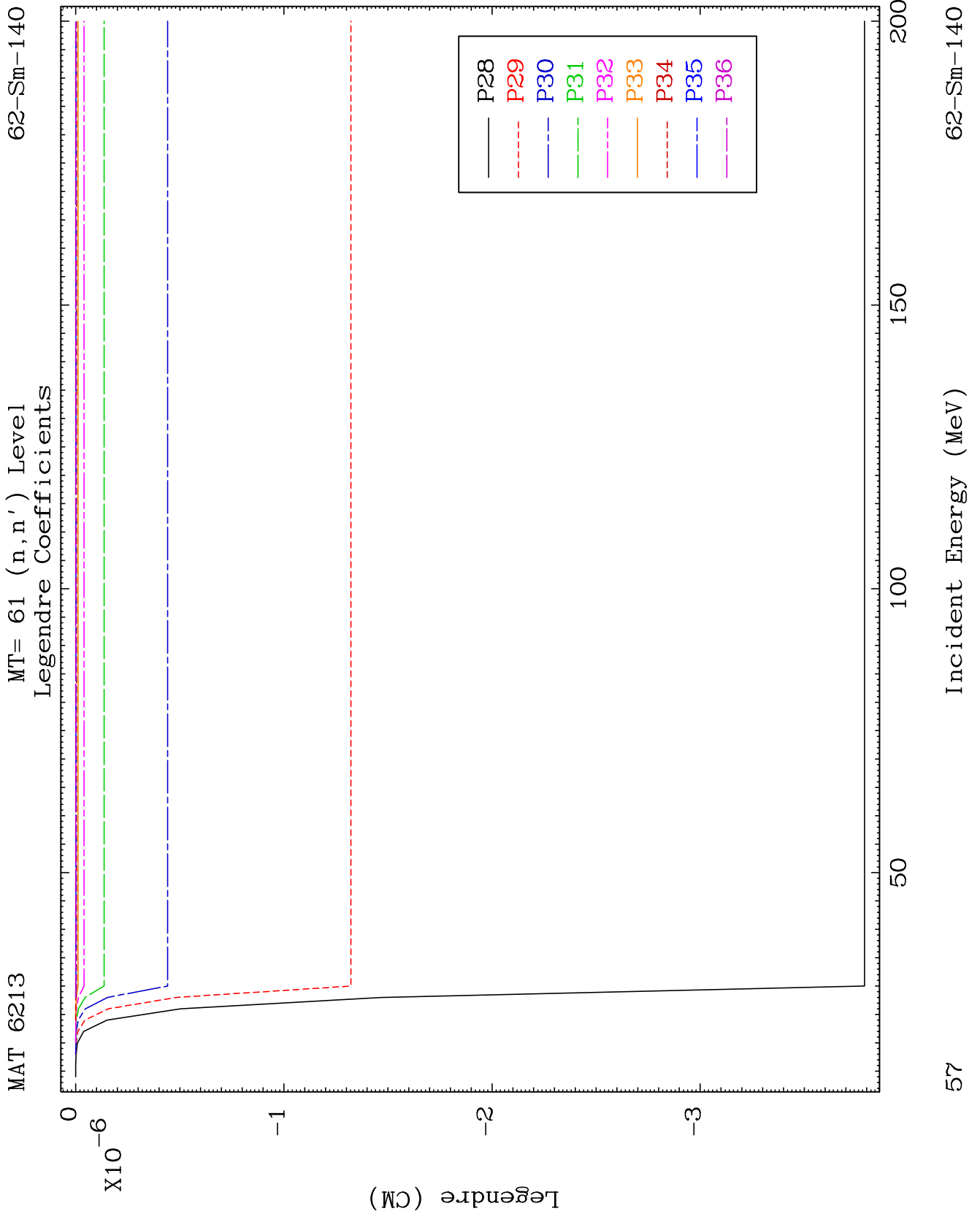
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Incident Energy (MeV)

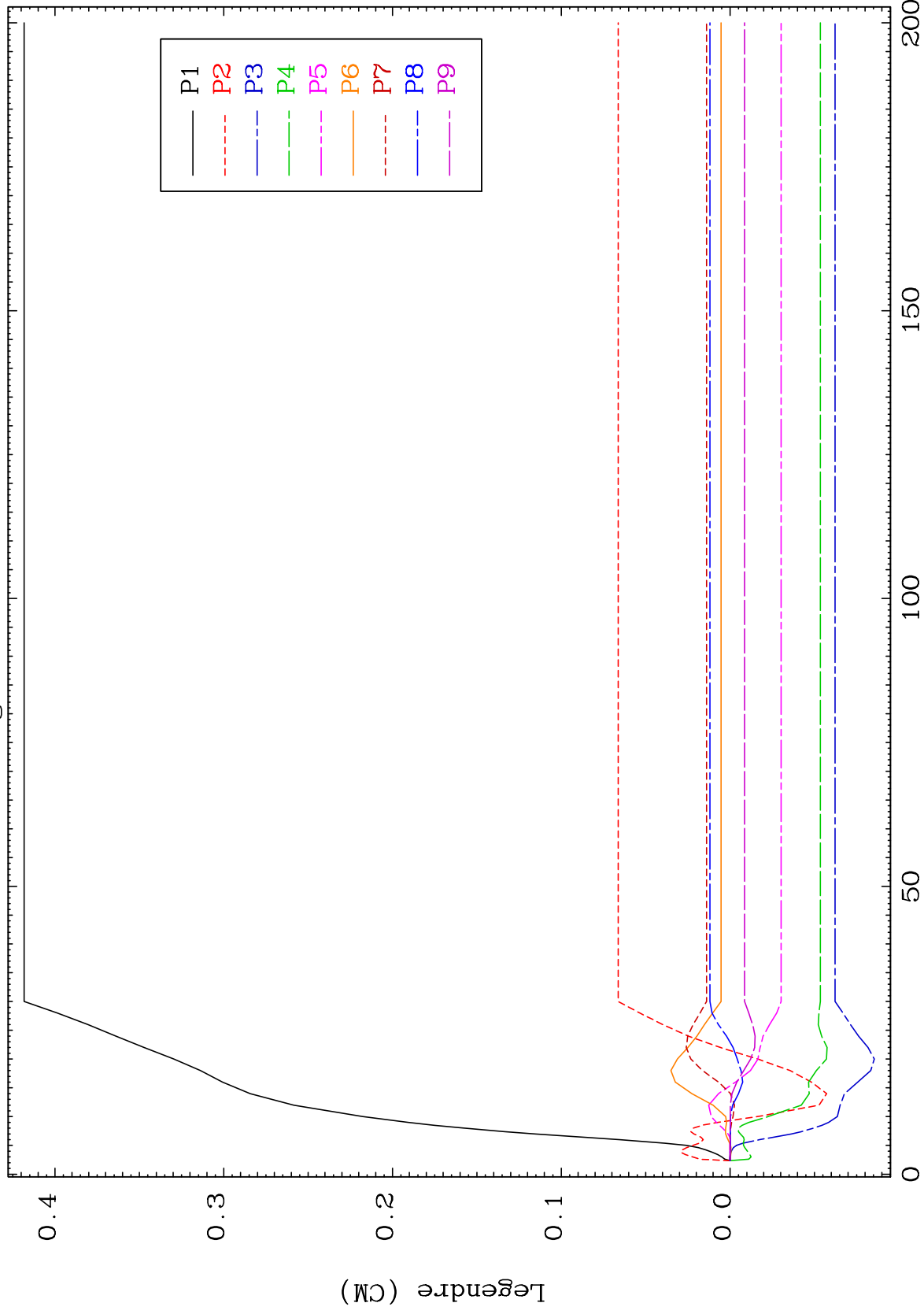
62-Sm-140



MAT 6213

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

62-Sm-140



58

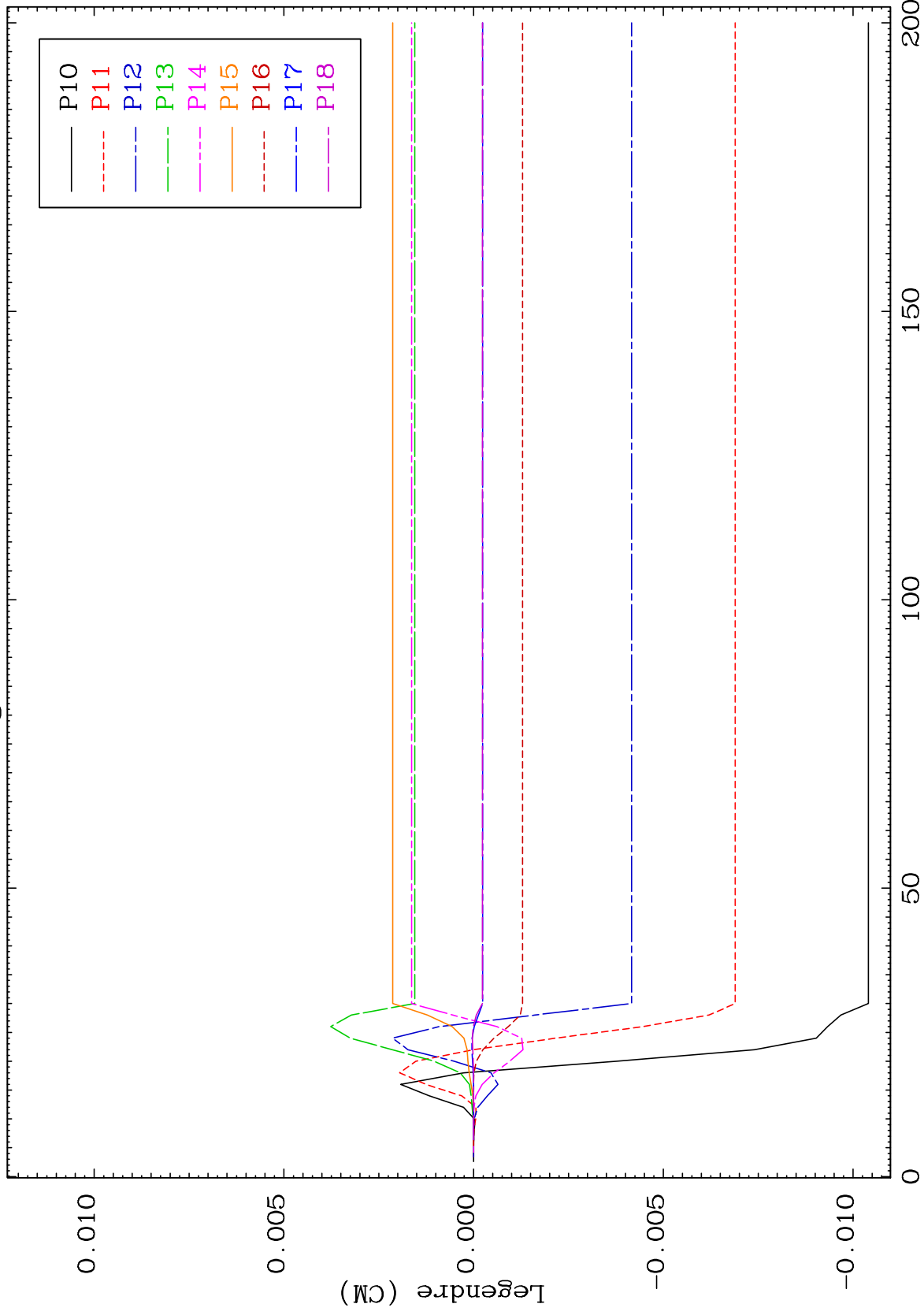
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



59

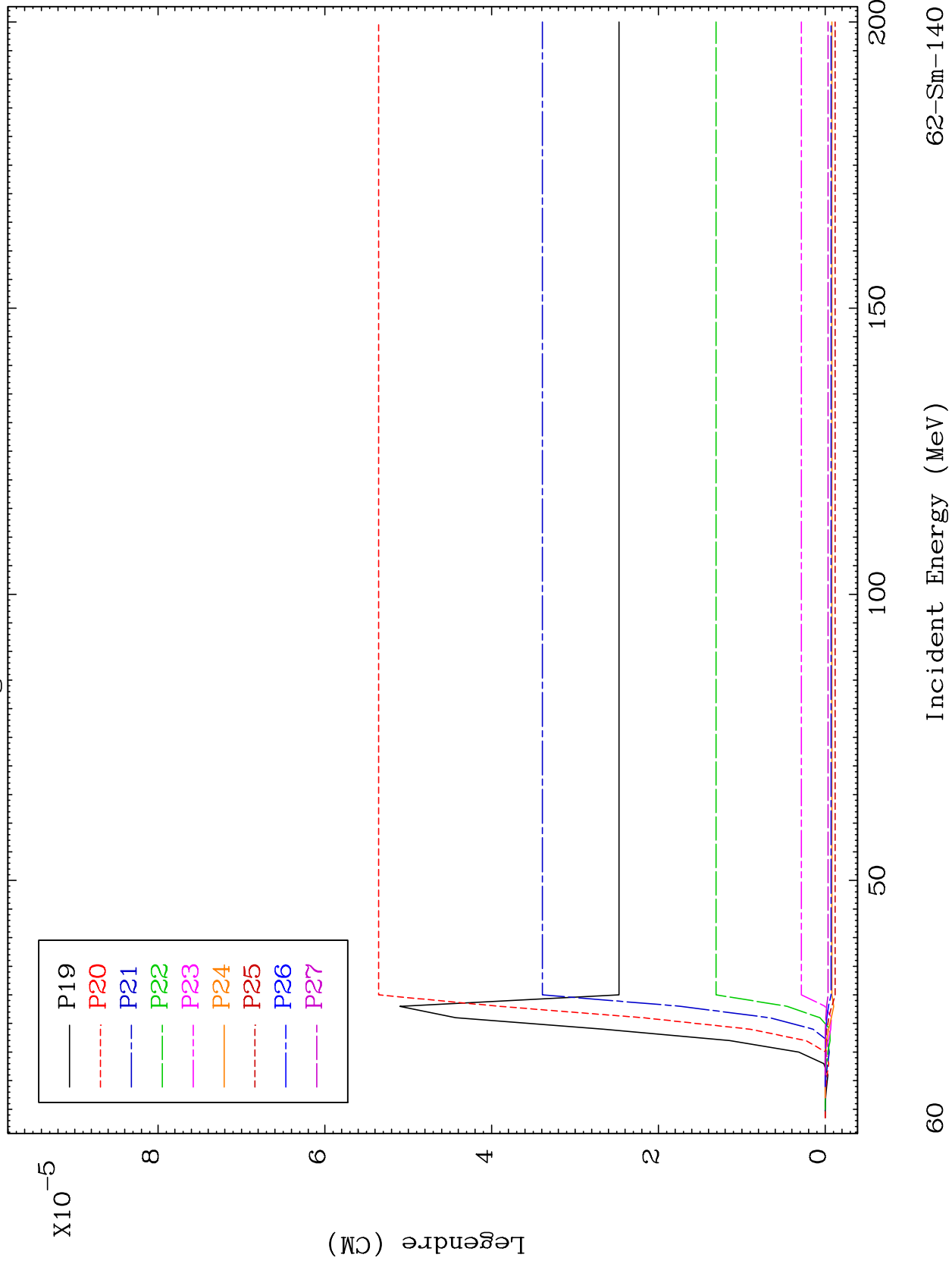
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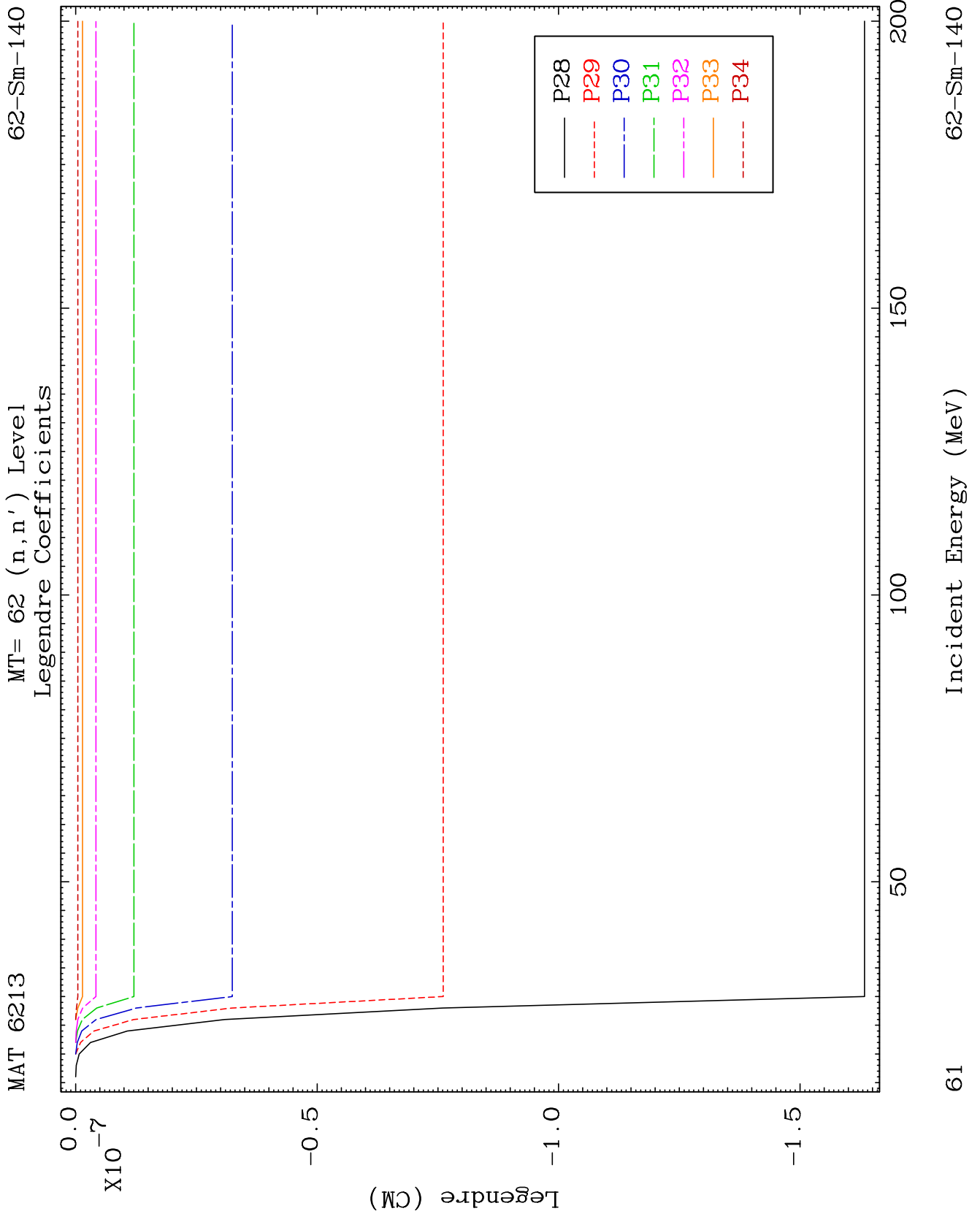
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MAT 6213

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

62-Sm-140

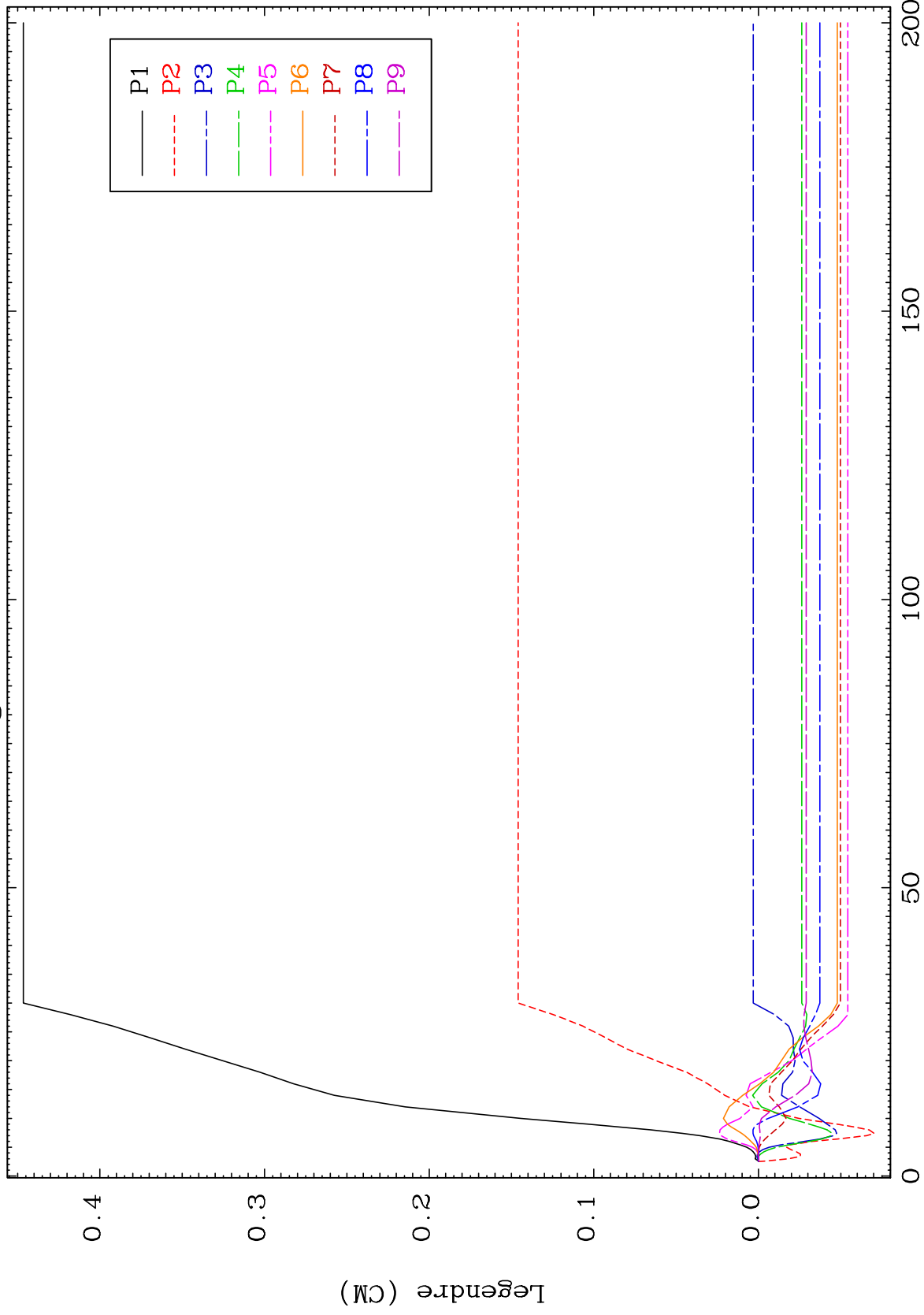




MAT 6213

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

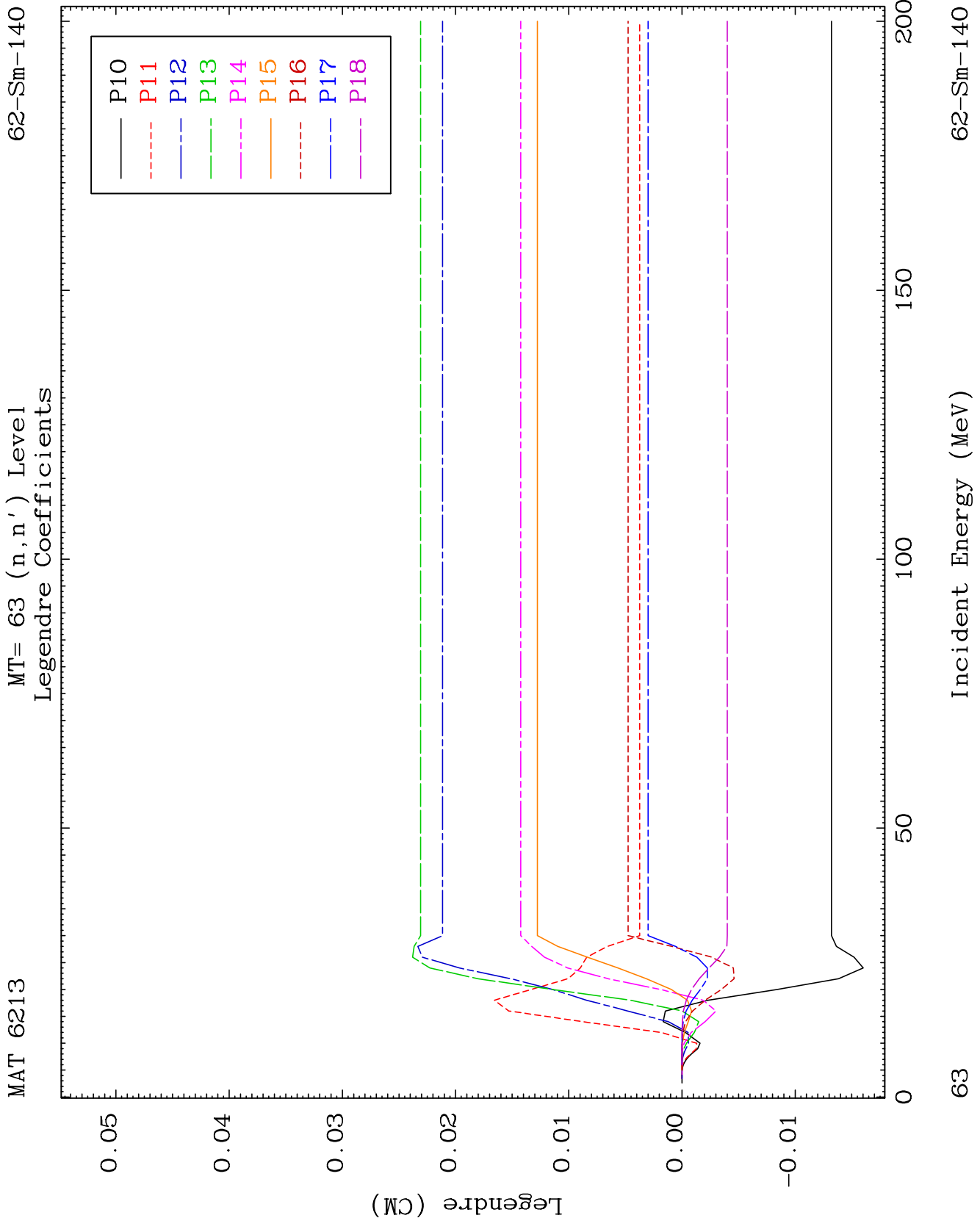
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62

Incident Energy (MeV)

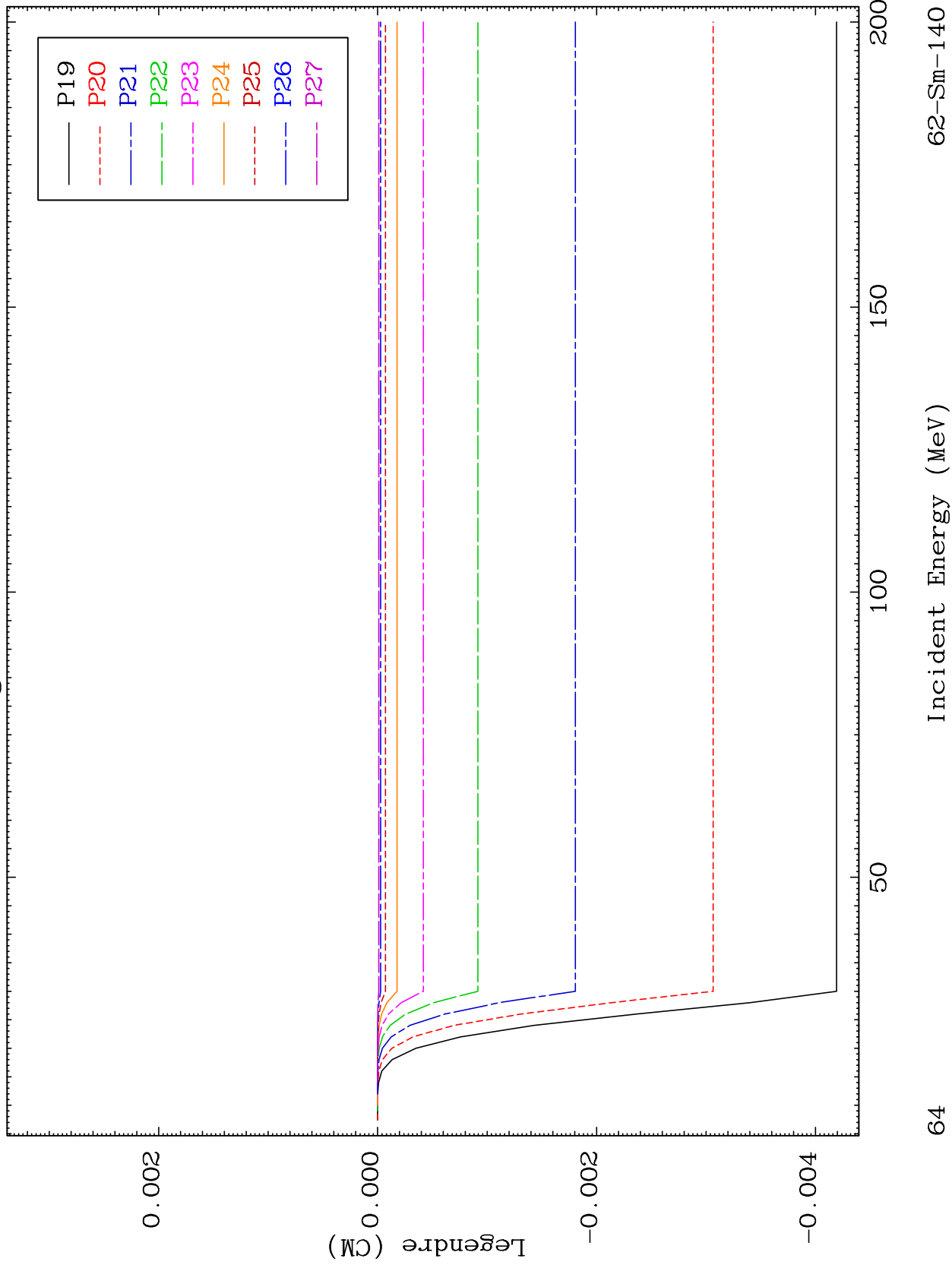
62-Sm-140



MAT 6213

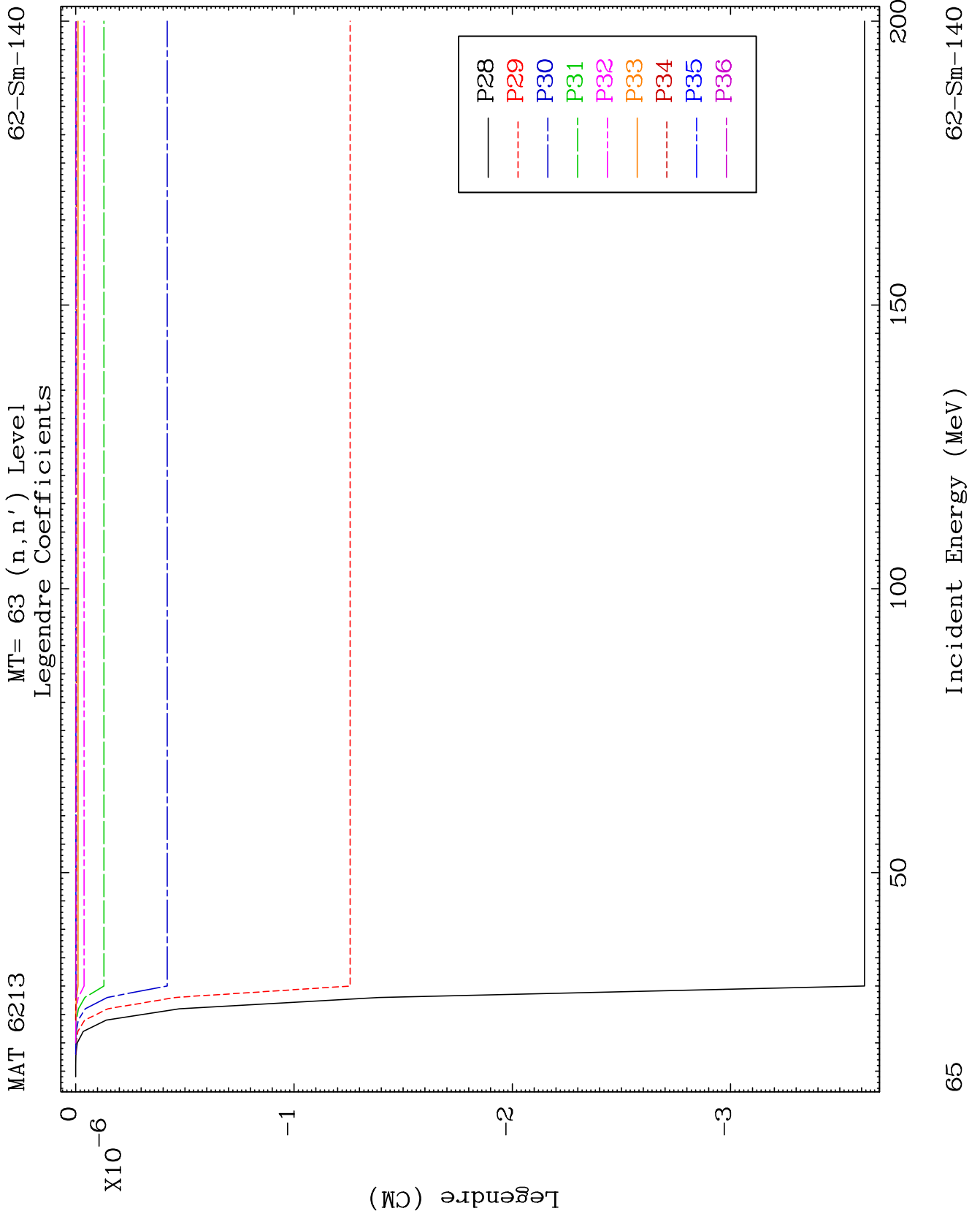
MT= 63 (n,n') Level
Legendre Coefficients

62-Sm-140



64

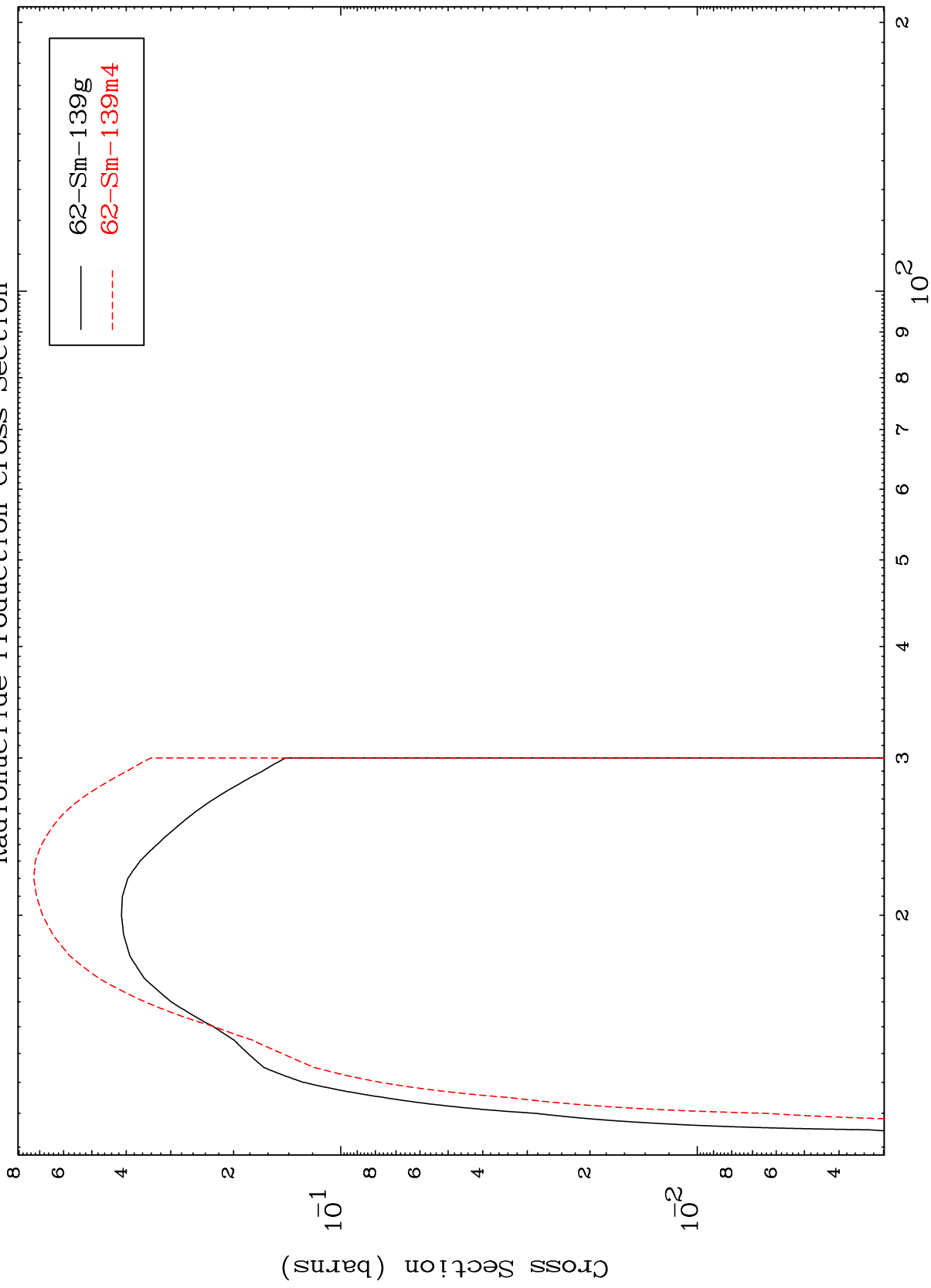
62-Sm-140



MAT 6213

62-Sm-140

(n,2n)
Radionuclide Production Cross Section



66

Incident Energy (MeV)

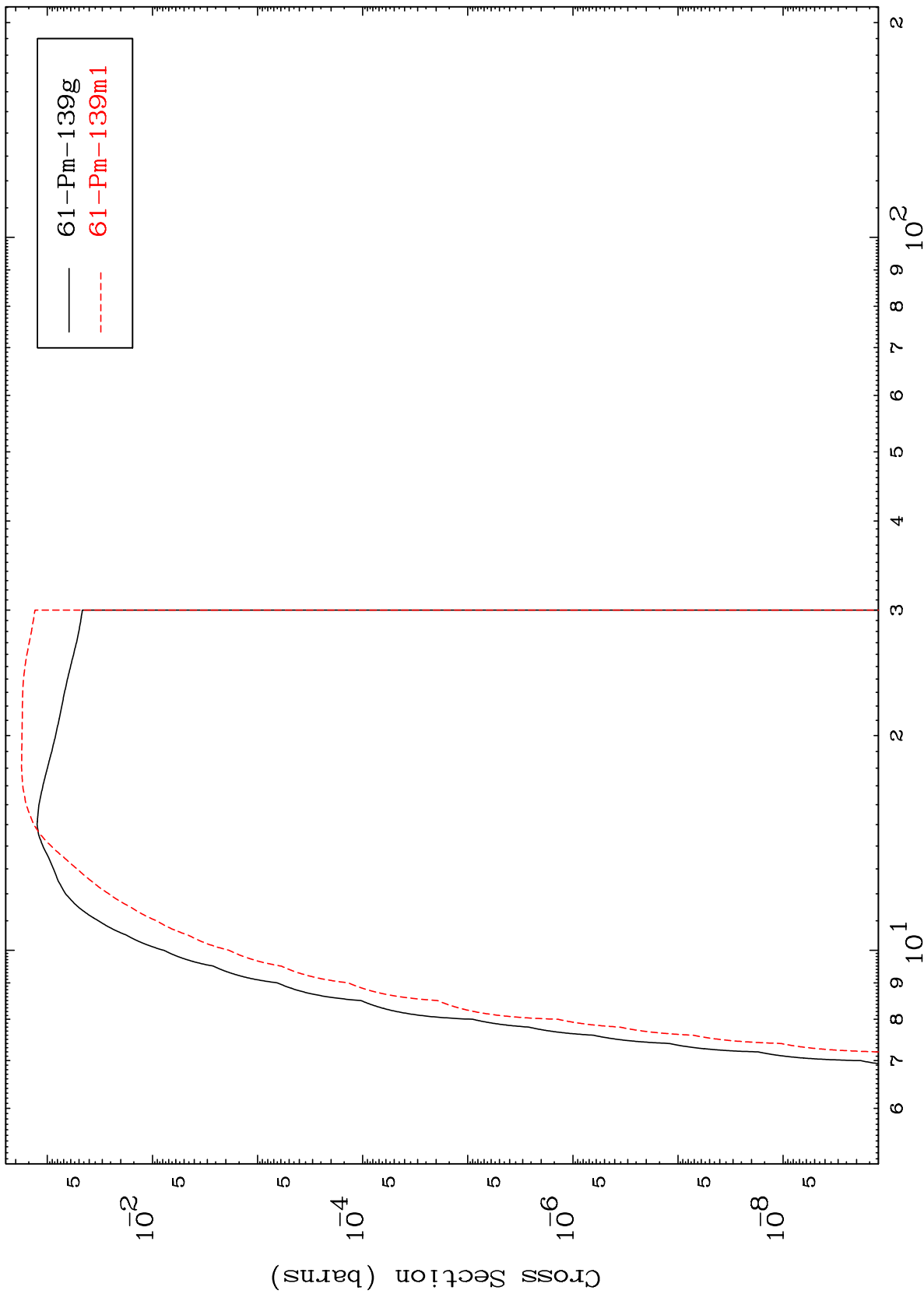
62-Sm-140

MAT 6213

(n,n') p

62-Sm-140

Radionuclide Production Cross Section



67

Incident Energy (MeV)

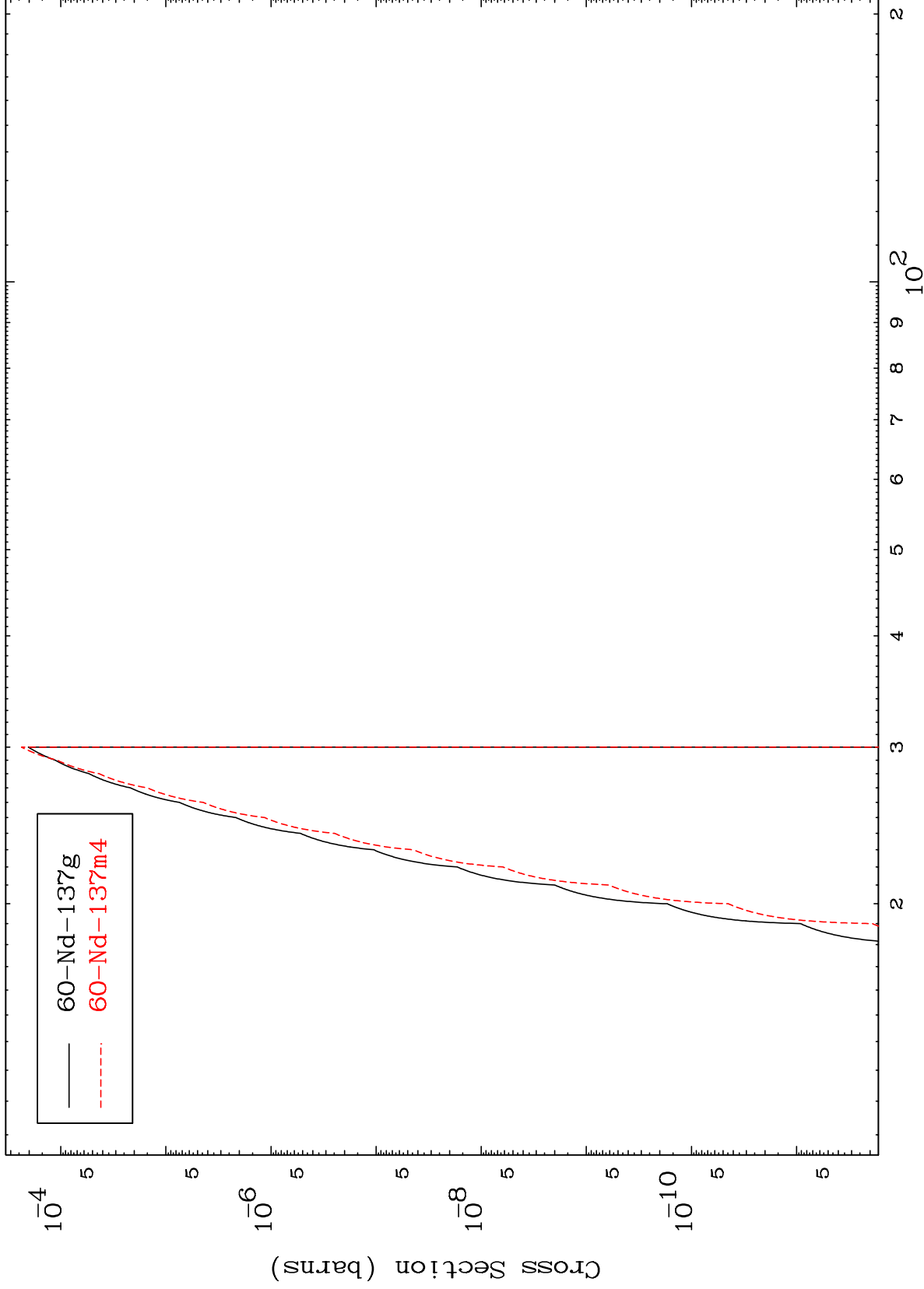
62-Sm-140

MAT 6213

(n,n') He-3

62-Sm-140

Radionuclide Production Cross Section



68

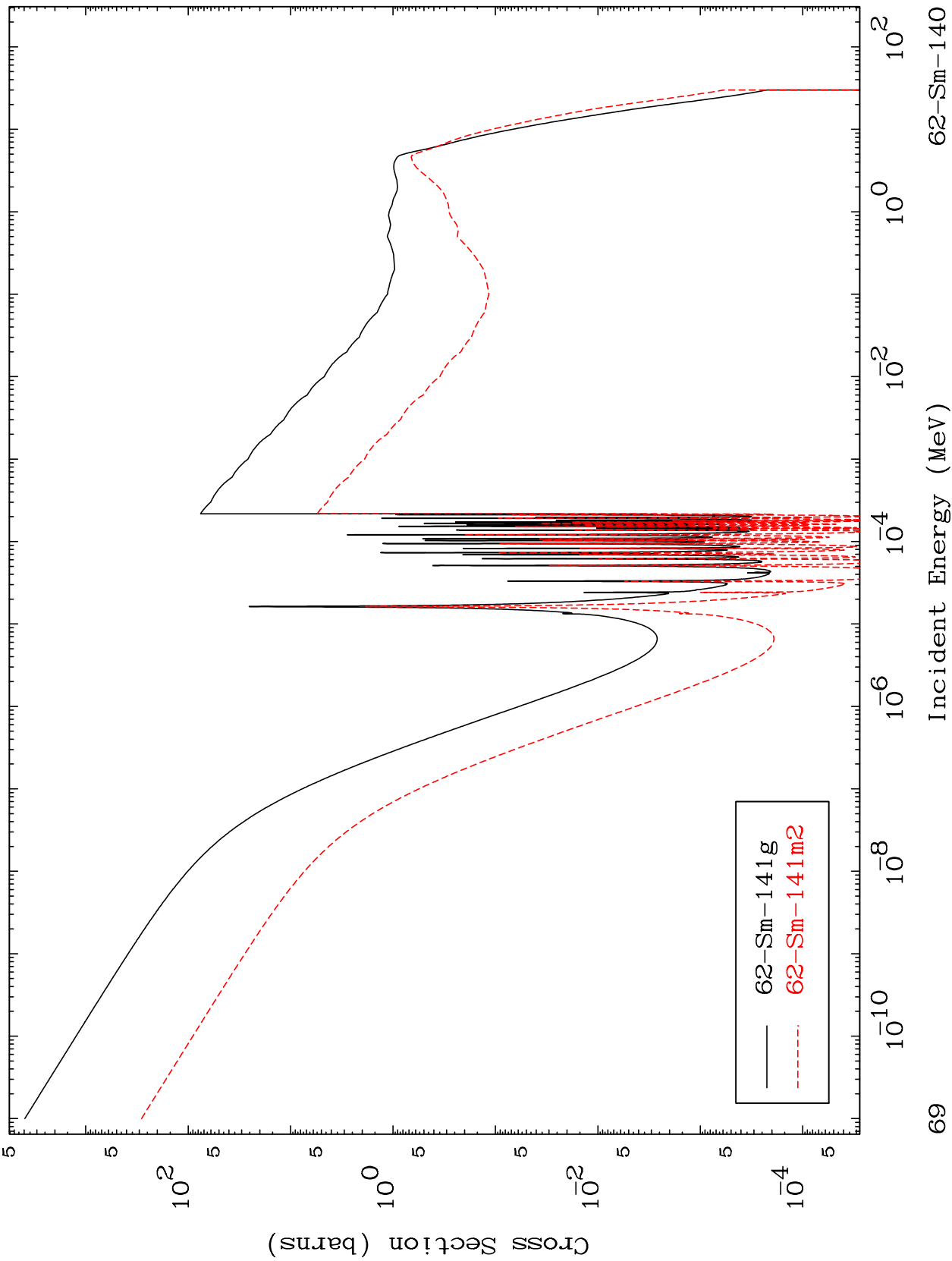
Incident Energy (MeV)

62-Sm-140

MAT 6213

62-Sm-140

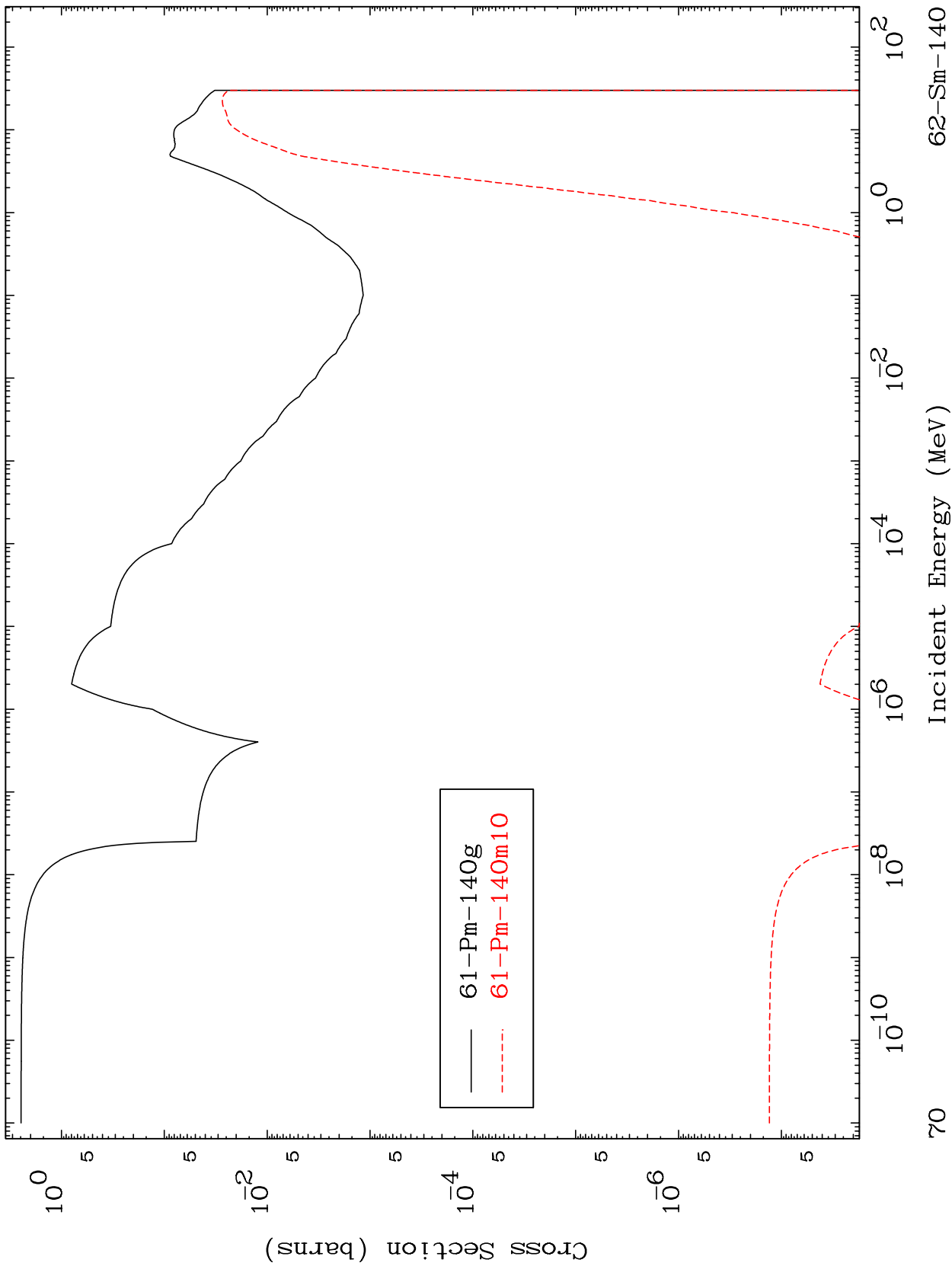
(n, γ)
Radionuclide Production Cross Section



MAT 6213

62-Sm-140

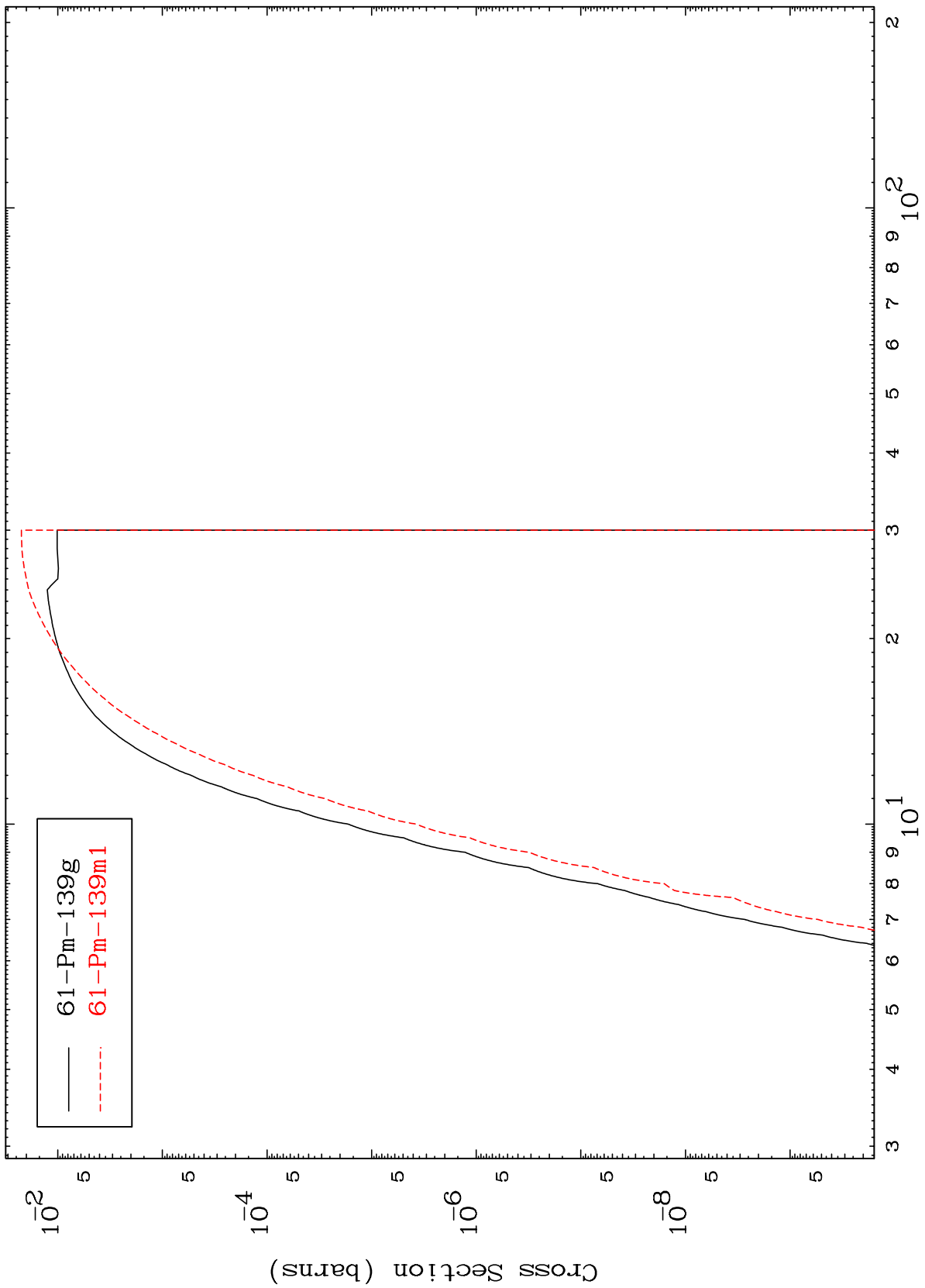
(n,p)
Radionuclide Production Cross Section



MAT 6213

62-Sm-140

(n,d)
Radionuclide Production Cross Section



71

Incident Energy (MeV)

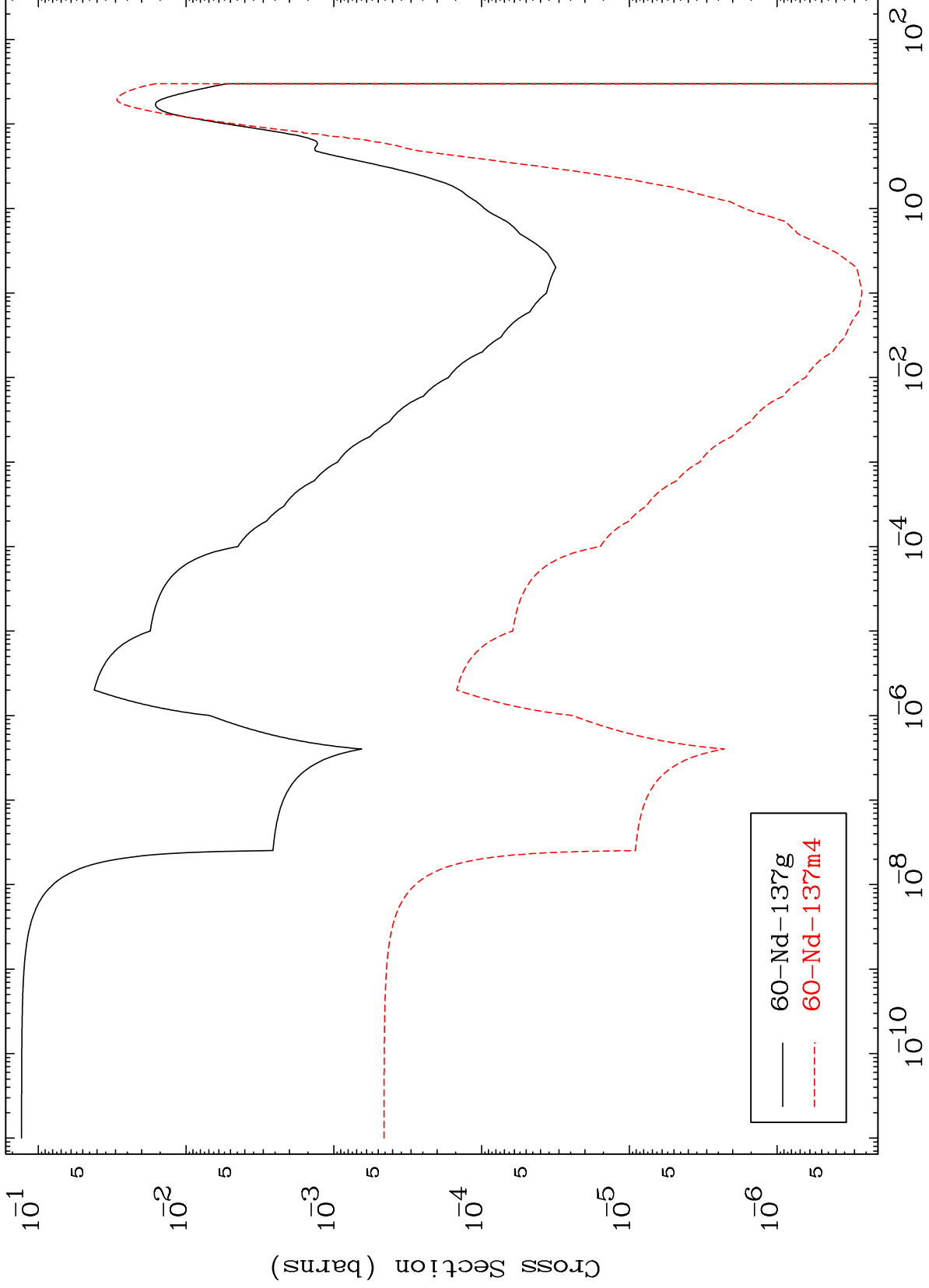
62-Sm-140

MAT 6213

62-Sm-140

Radionuclide Production Cross Section

(n, α)



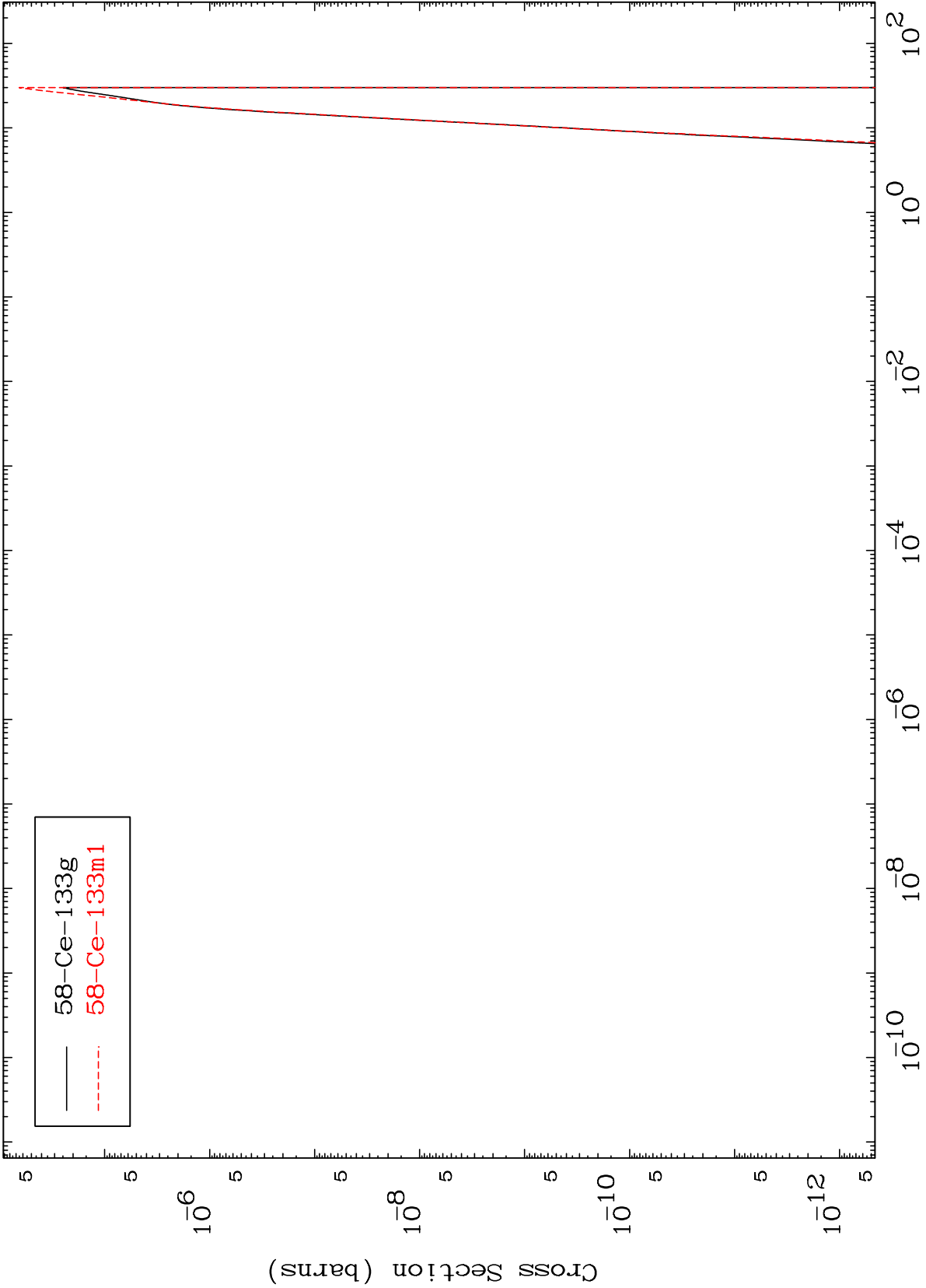
— 60-Nd-137g
- - - 60-Nd-137m4

MAT 6213

(n,2α)

62-Sm-140

Radionuclide Production Cross Section



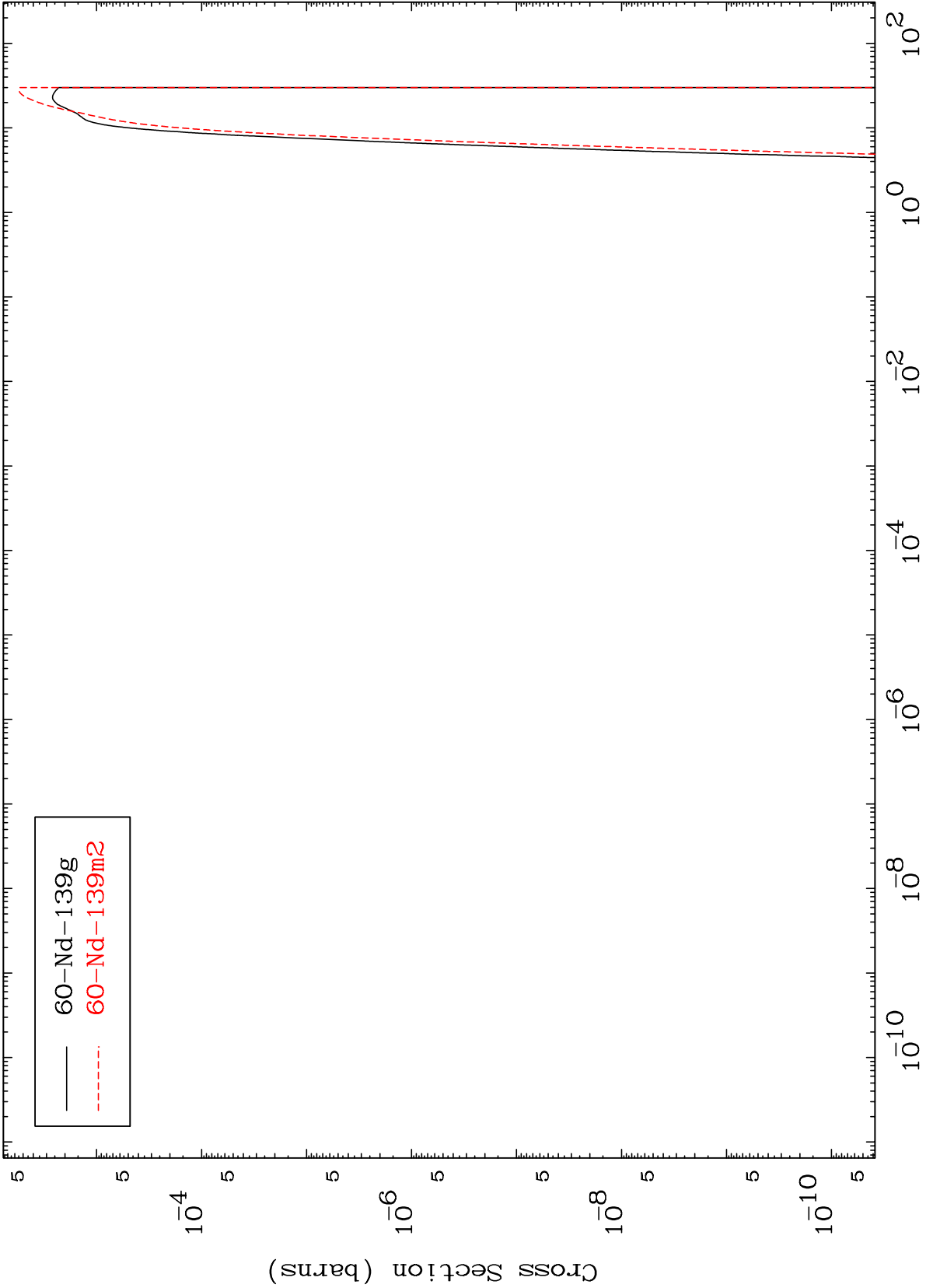
58-Ce-133g
58-Ce-133m1

MAT 6213

(n,2p)

62-Sm-140

Radionuclide Production Cross Section



60-Nd-139g
60-Nd-139m2

74

Incident Energy (MeV)

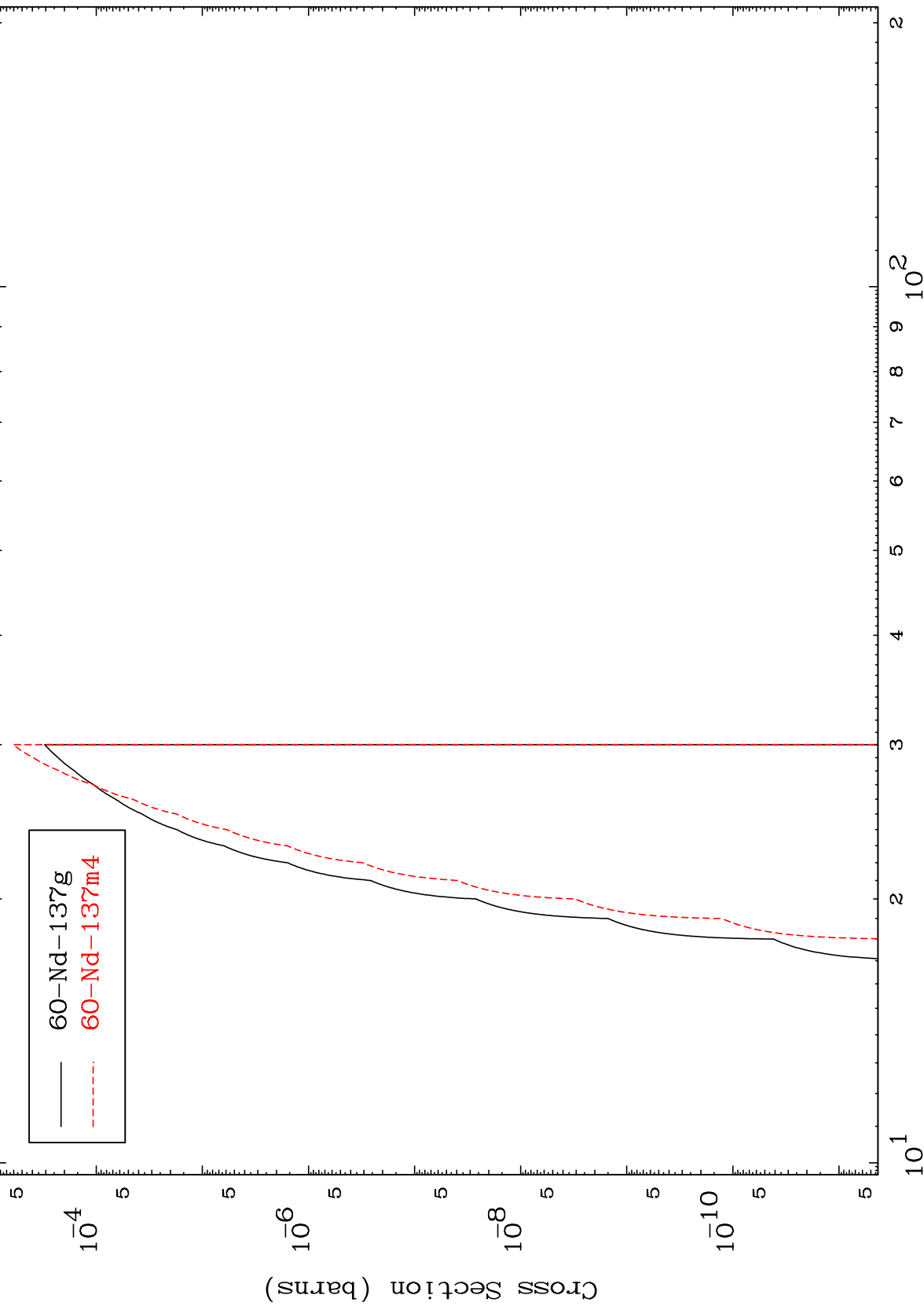
62-Sm-140

MAT 6213

(n,p) t

62-Sm-140

Radionuclide Production Cross Section



Incident Energy (MeV)

62-Sm-140

75