

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

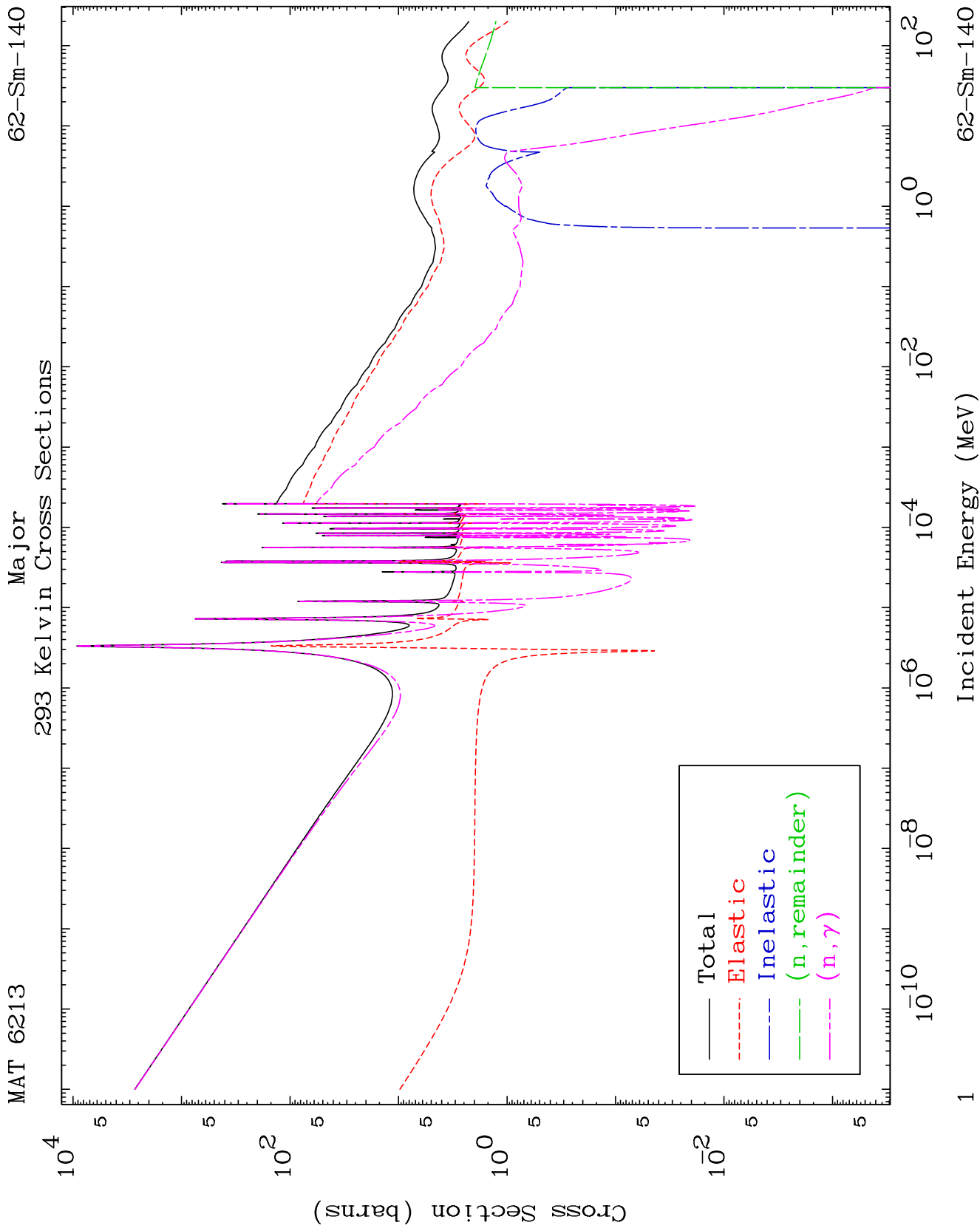
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Web:redcullen1.net/HOMEPAGE.NEW

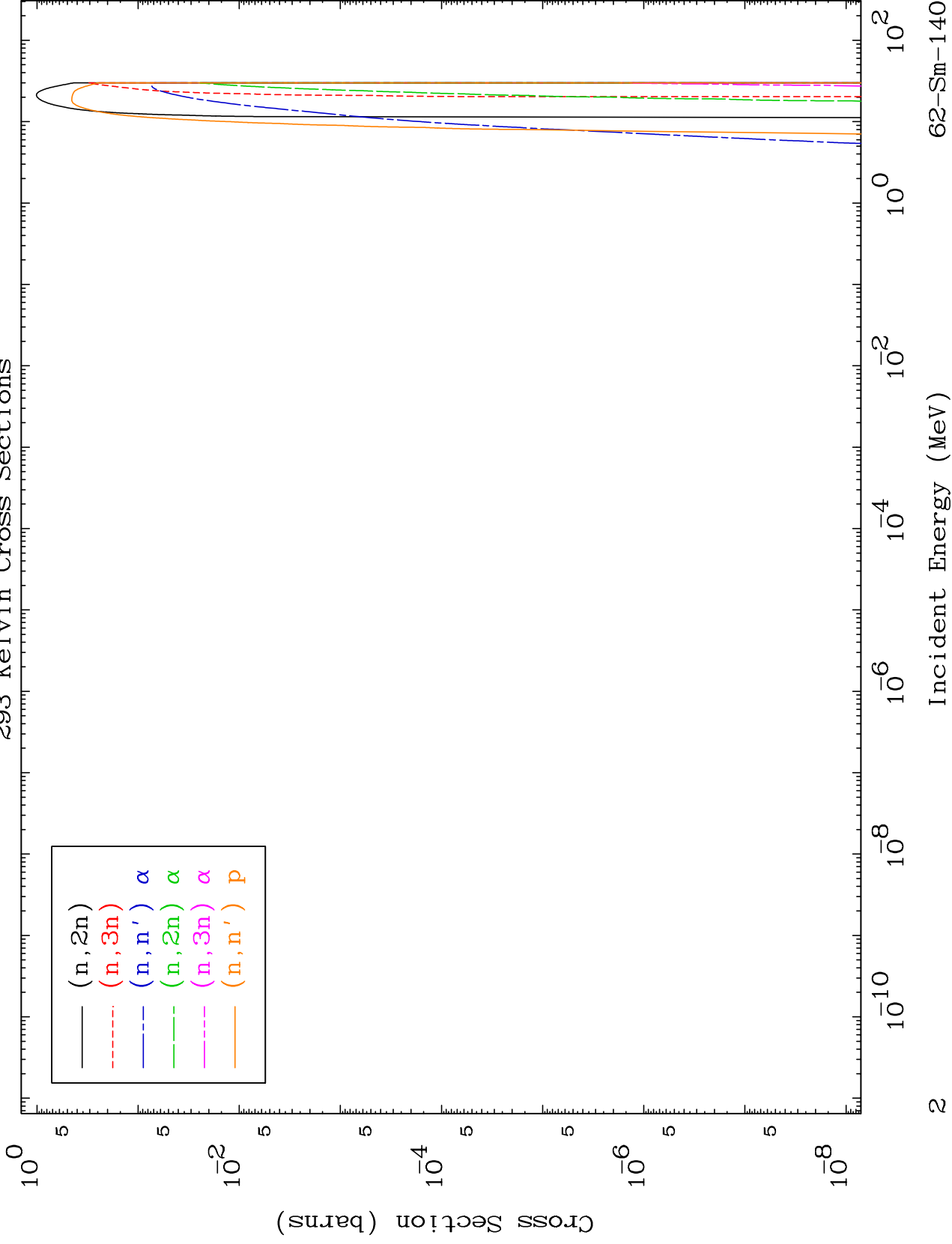
Press Mouse Button to Start



MAT 6213

Neutron Production
293 Kelvin Cross Sections

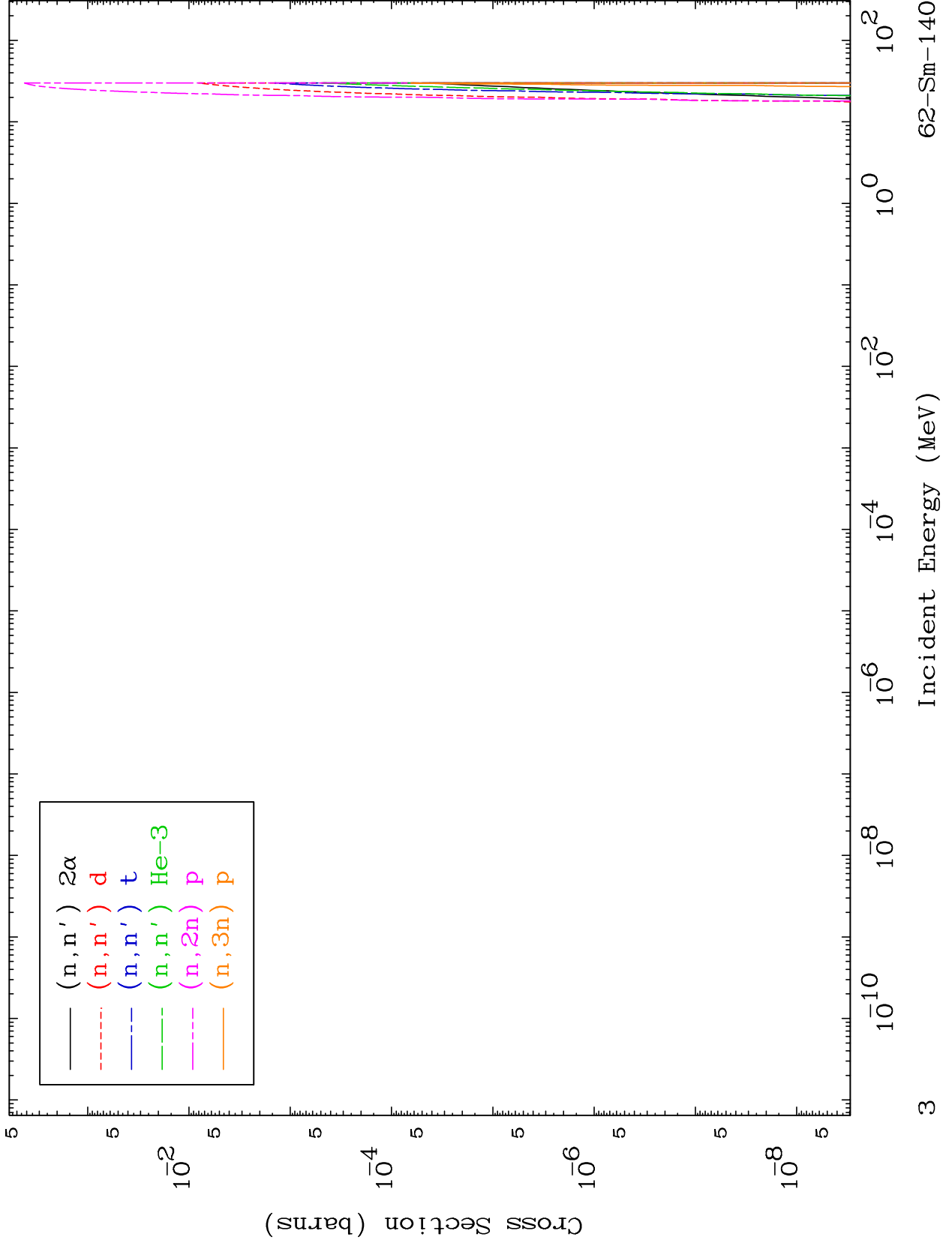
62-Sm-140



MAT 6213

Neutron Production
293 Kelvin Cross Sections

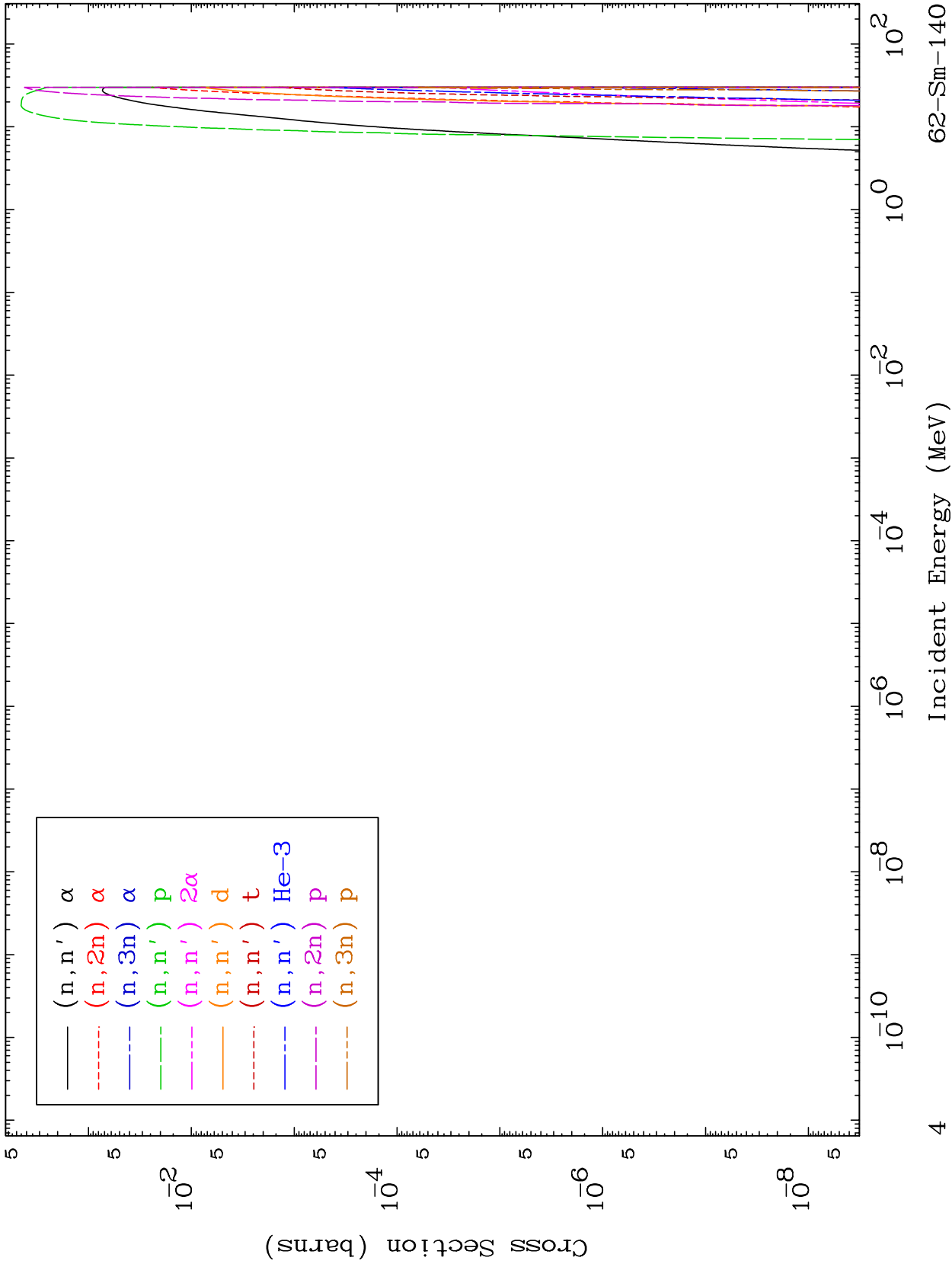
62-Sm-140



MAT 6213

Charged Particle
293 Kelvin Cross Sections

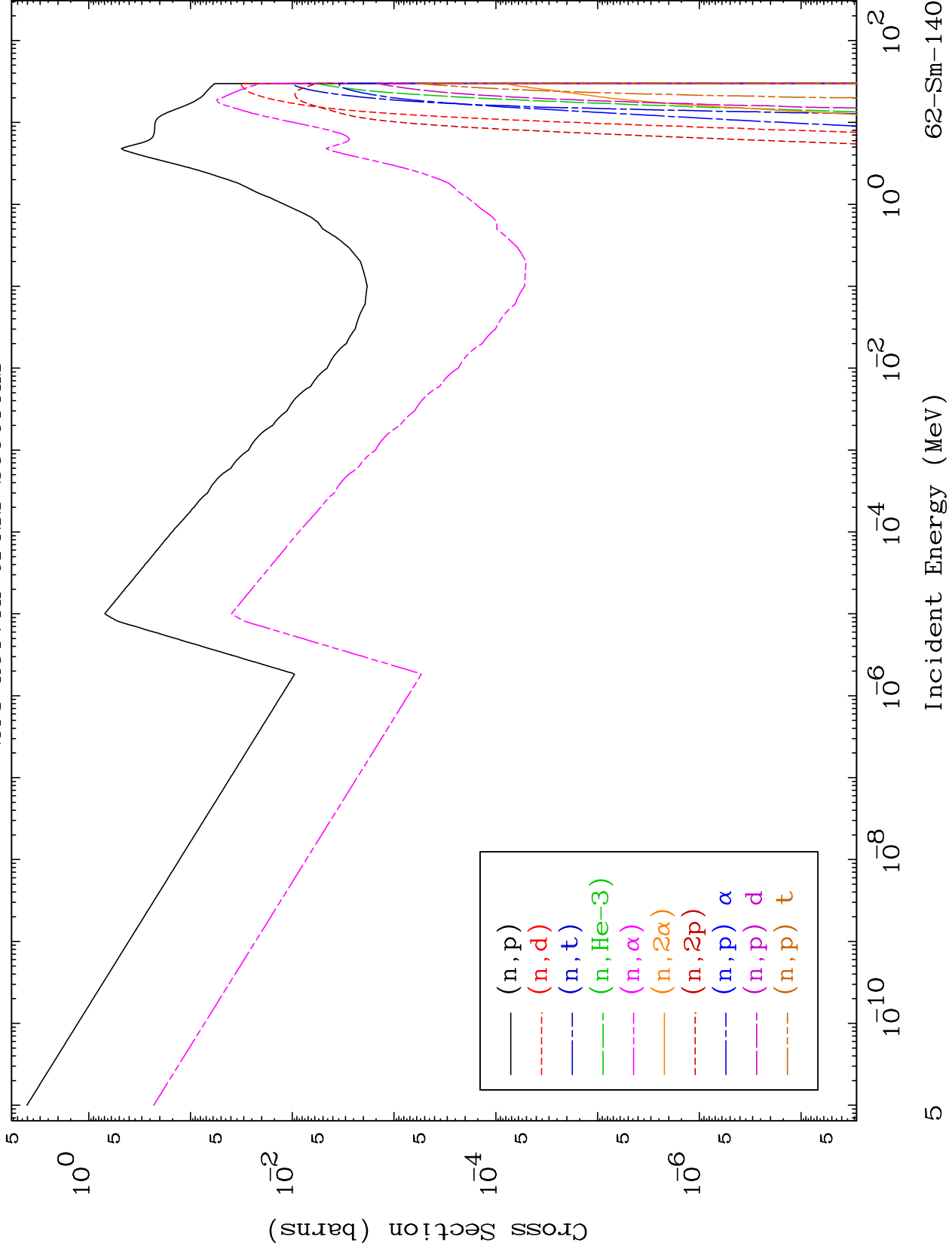
62-Sm-140



MAT 6213

Charged Particle
293 Kelvin Cross Sections

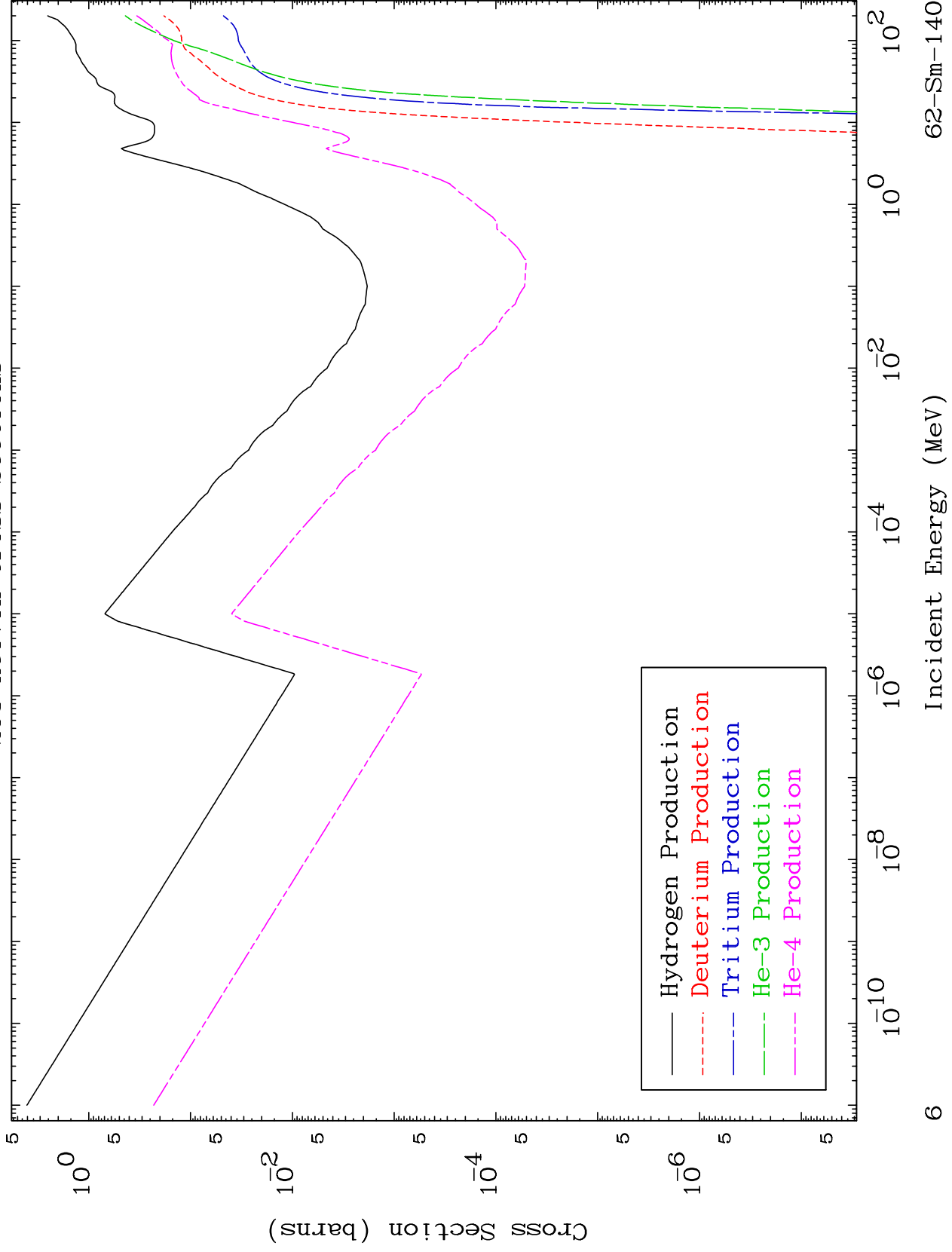
62-Sm-140



MAT 6213

Particle Production
293 Kelvin Cross Sections

62-Sm-140

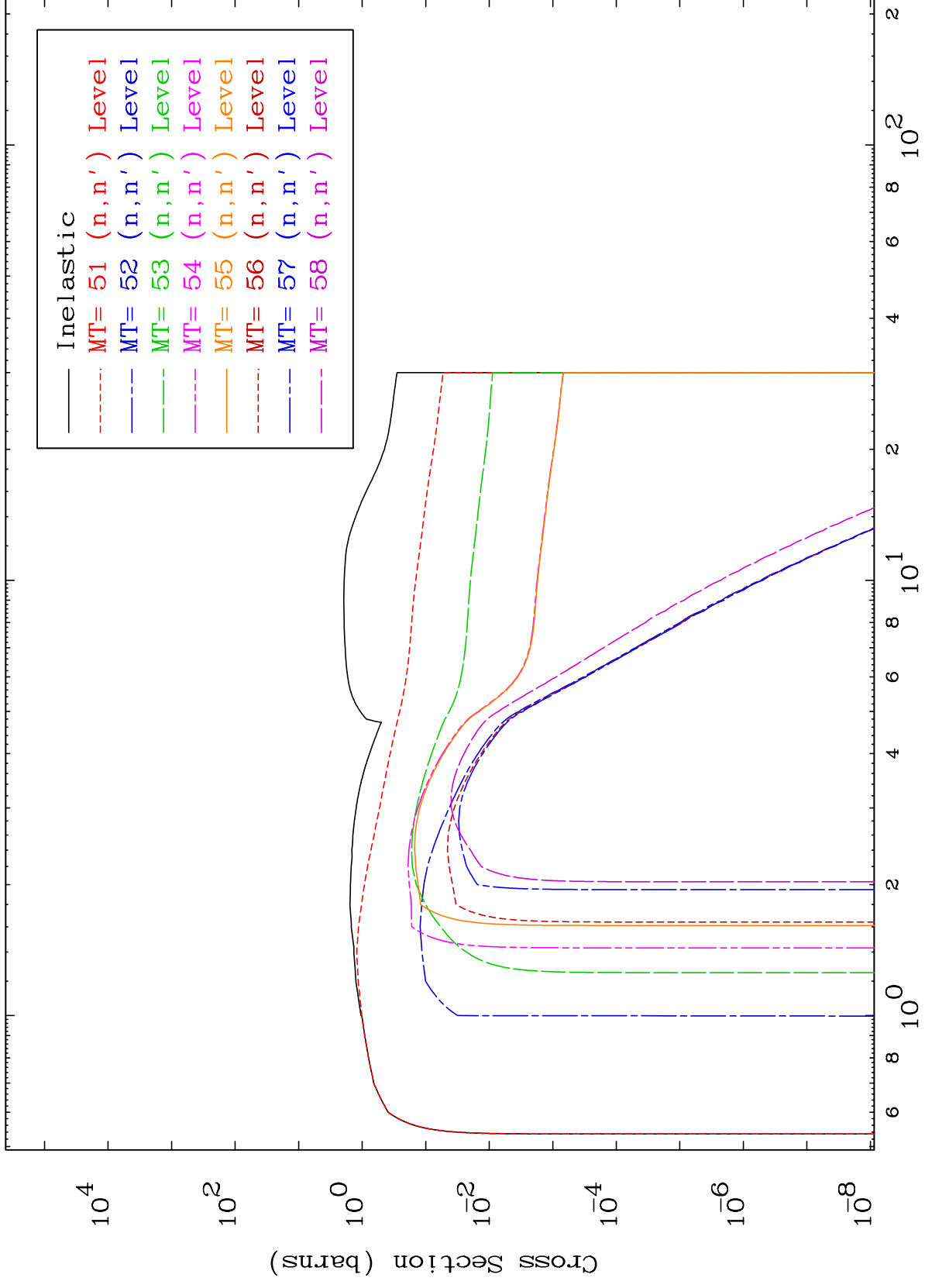


MAT 6213

(n,n') Level

62-Sm-140

293 Kelvin Cross Sections



7

Incident Energy (MeV)

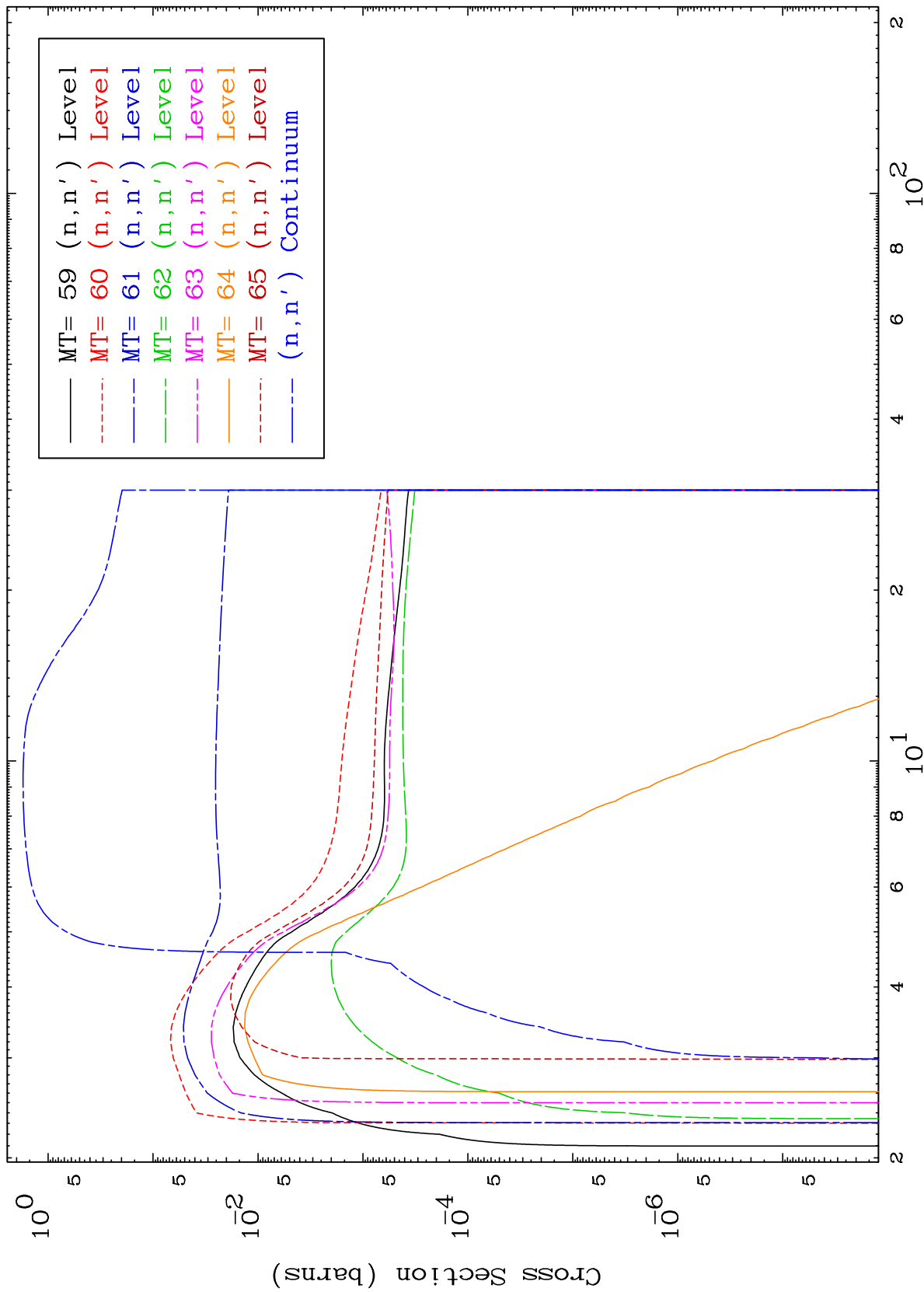
62-Sm-140

MAT 6213

(n,n') Level

62-Sm-140

293 Kelvin Cross Sections



8

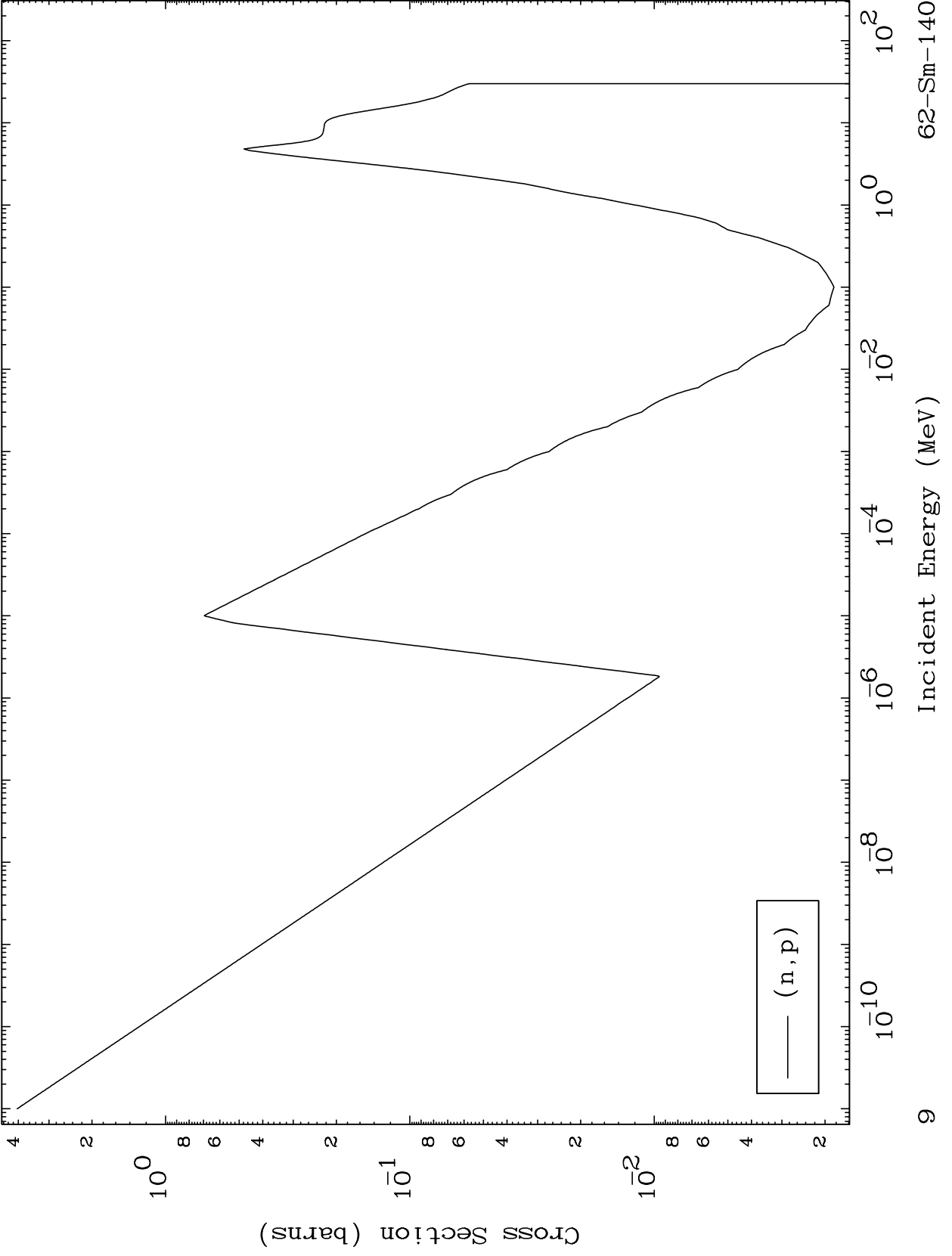
Incident Energy (MeV)

62-Sm-140

MAT 6213

(n,p) Levels
293 Kelvin Cross Sections

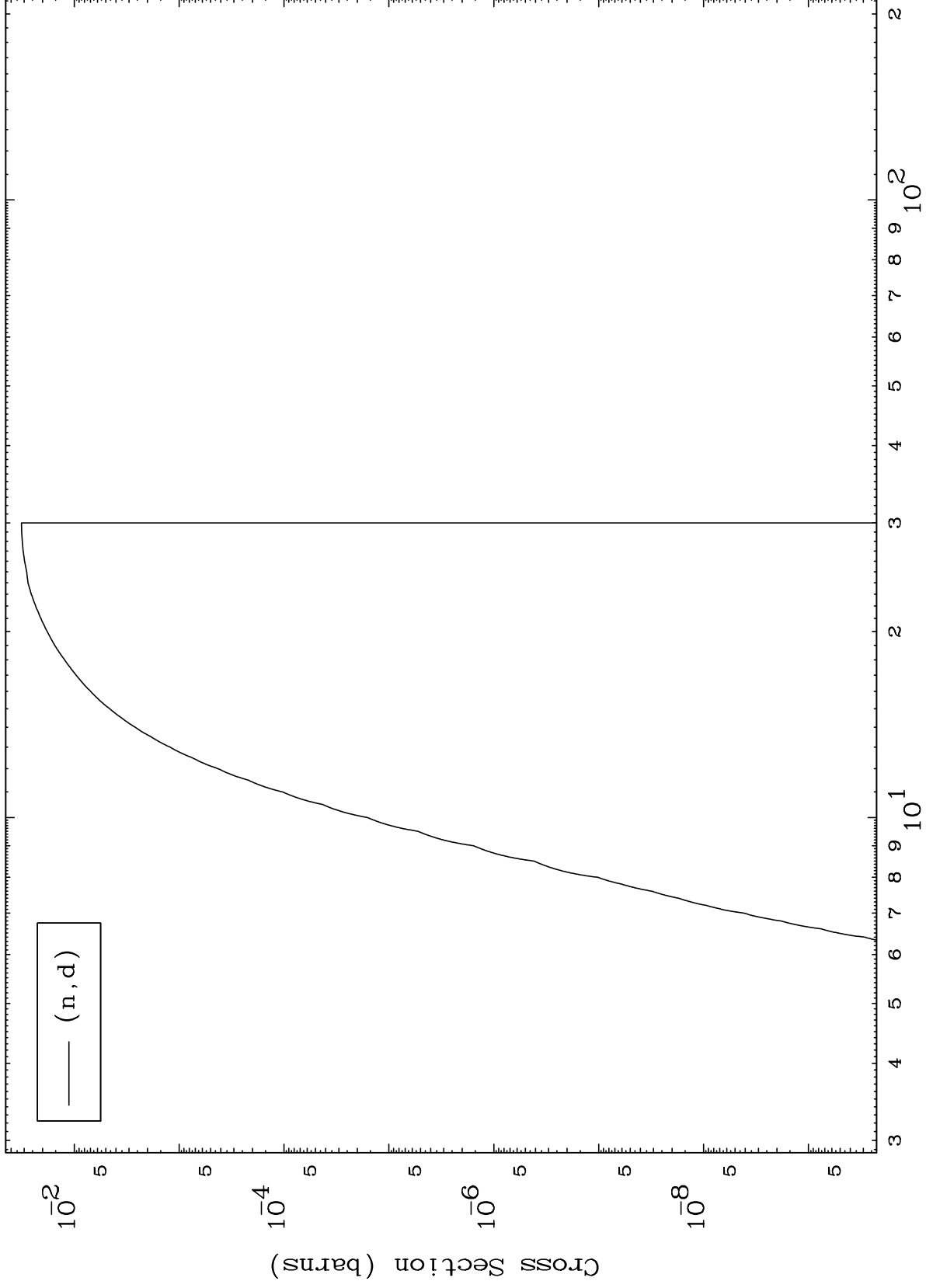
62-Sm-140



MAT 6213

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-140



10

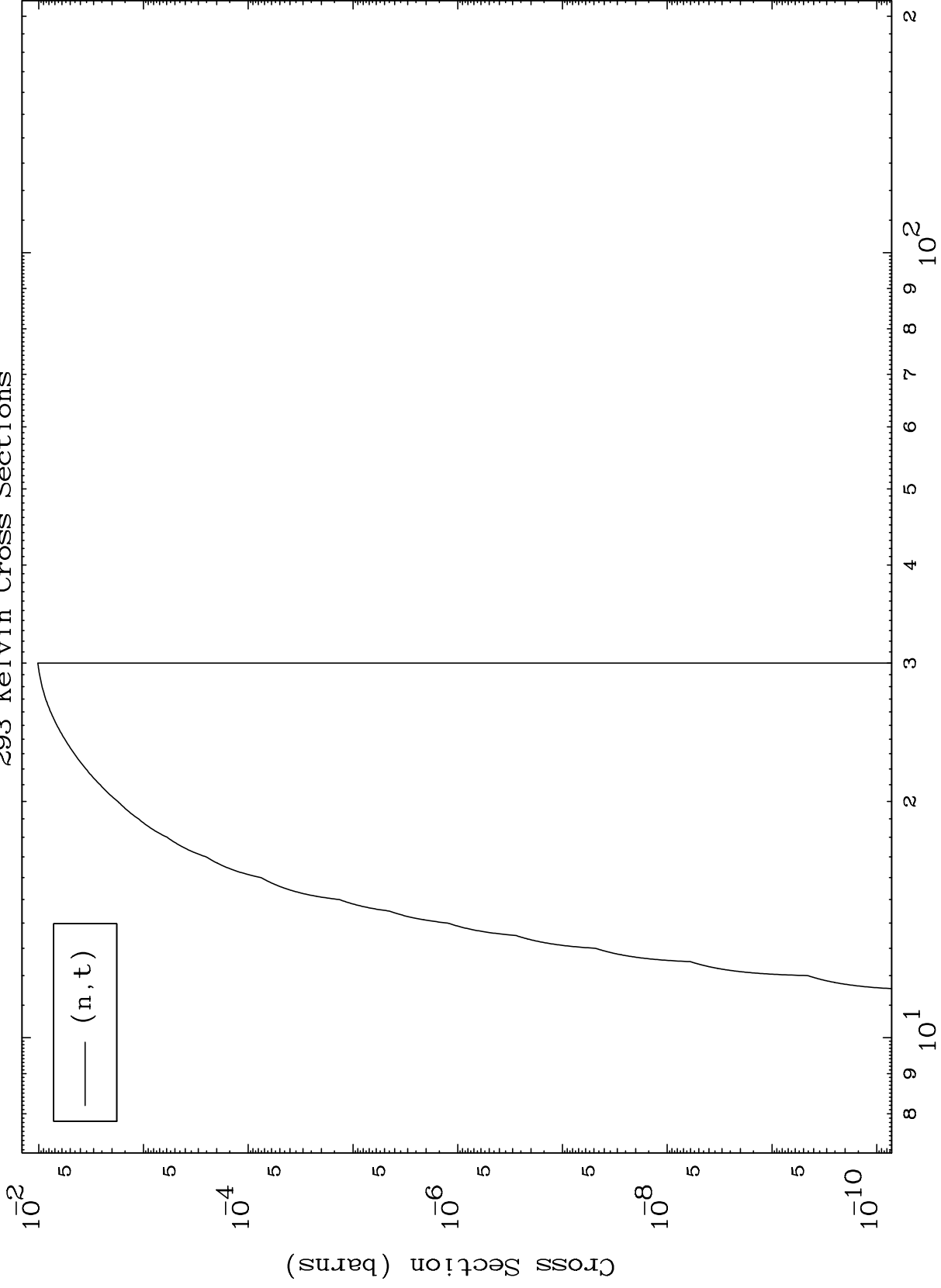
Incident Energy (MeV)

62-Sm-140

MAT 6213

(n,t) Levels
293 Kelvin Cross Sections

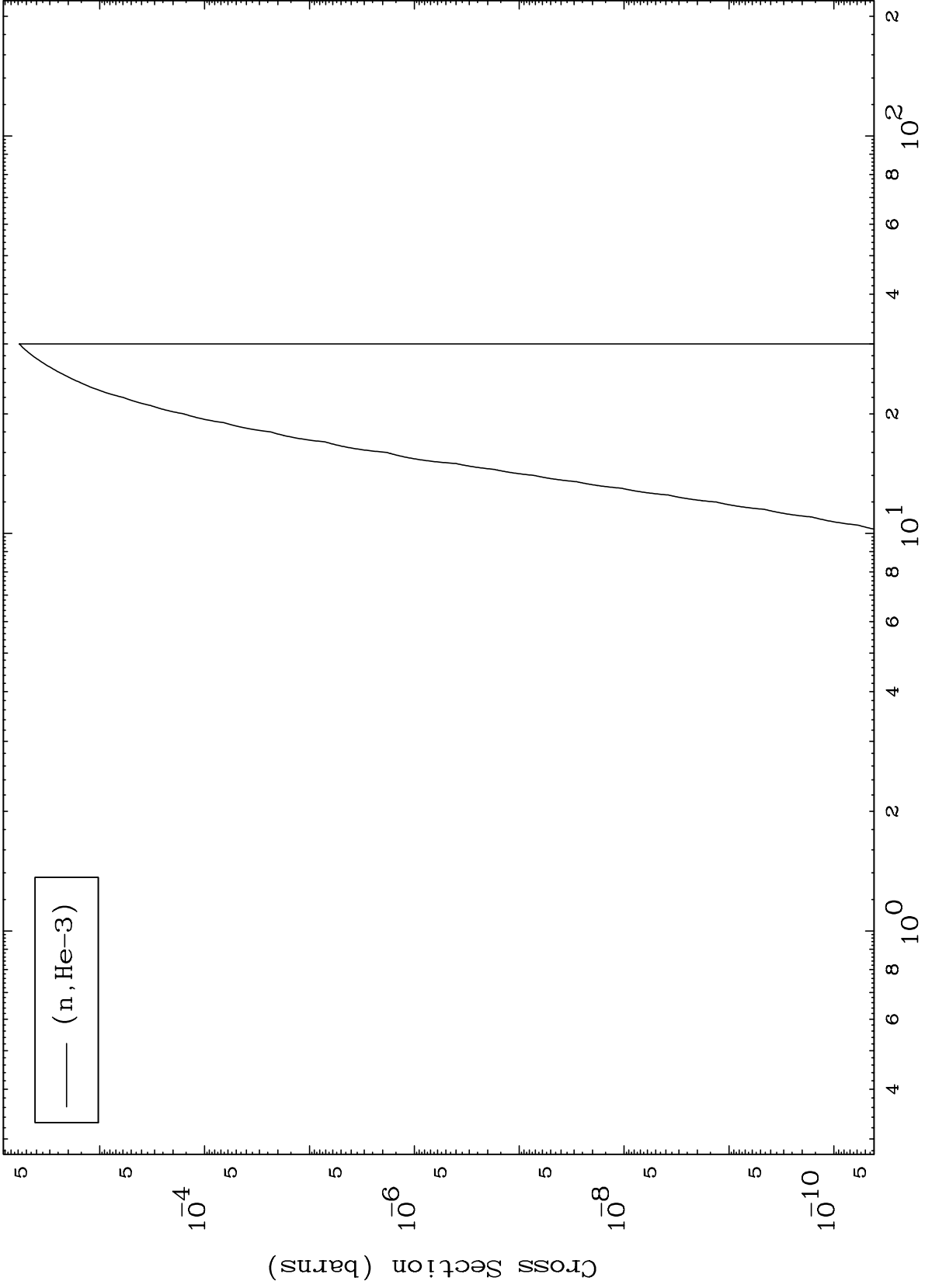
62-Sm-140



MAT 6213

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-140



12

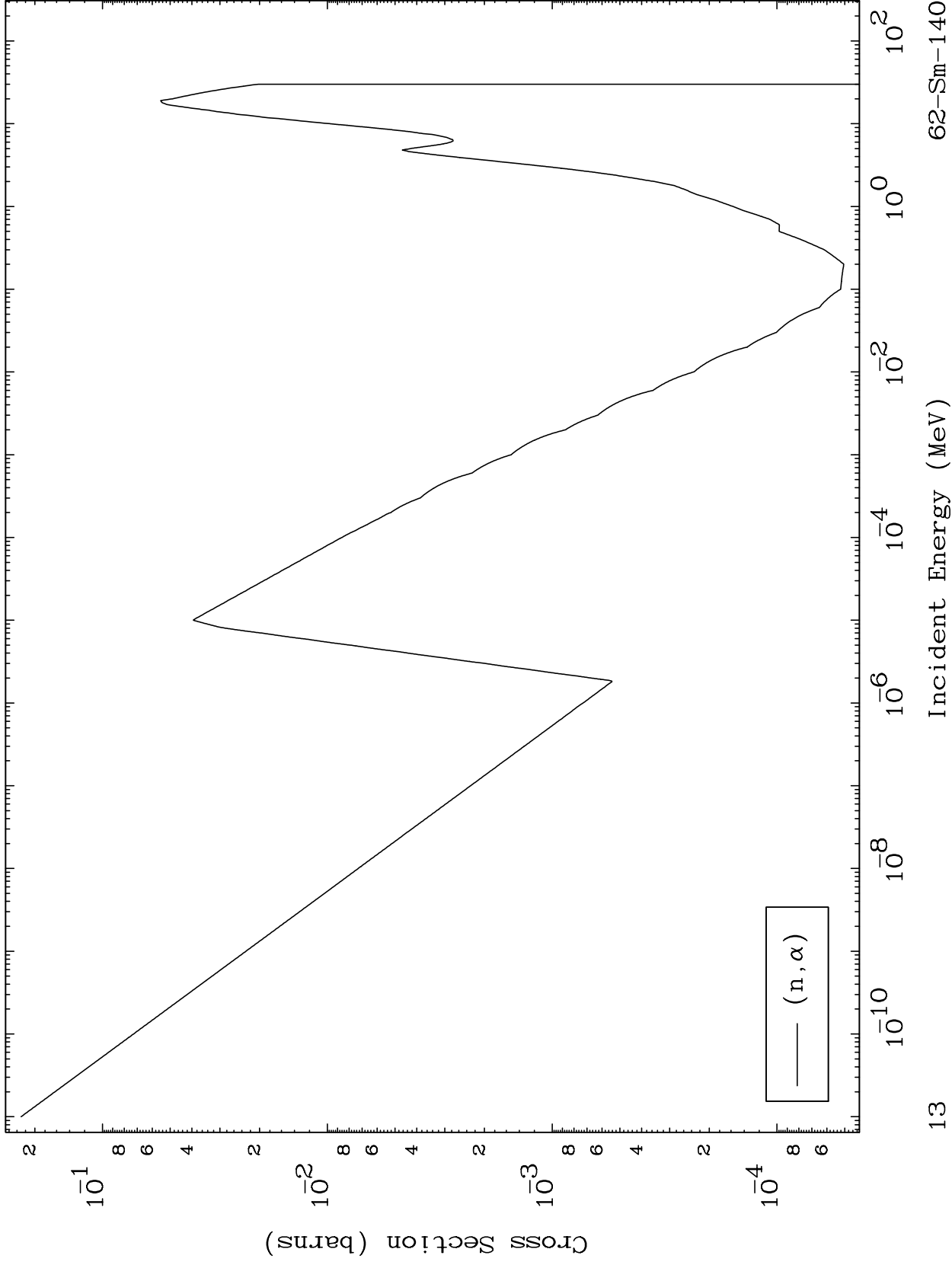
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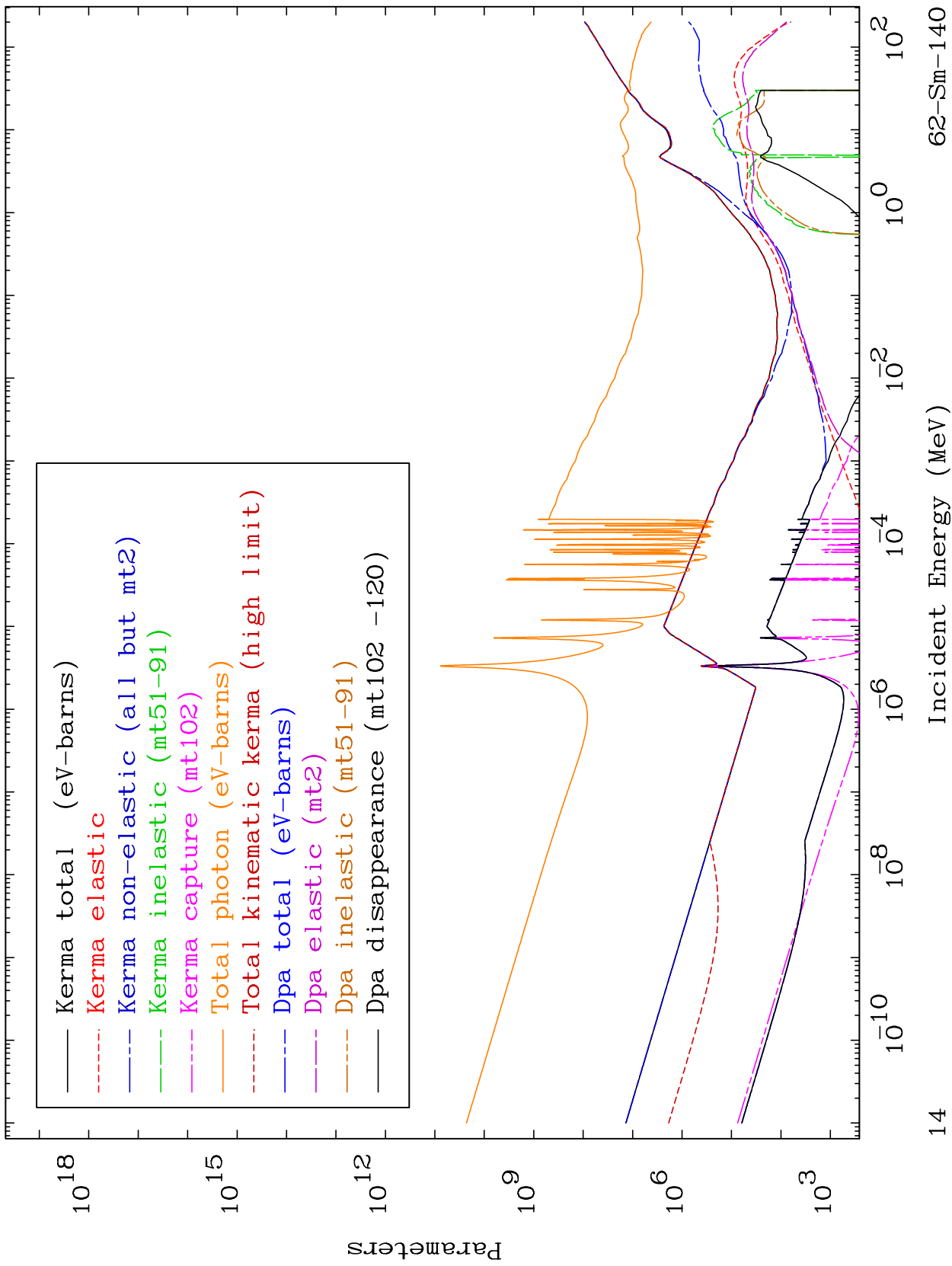
62-Sm-140

MAT 6213

(n, α) Levels
293 Kelvin Cross Sections

62-Sm-140

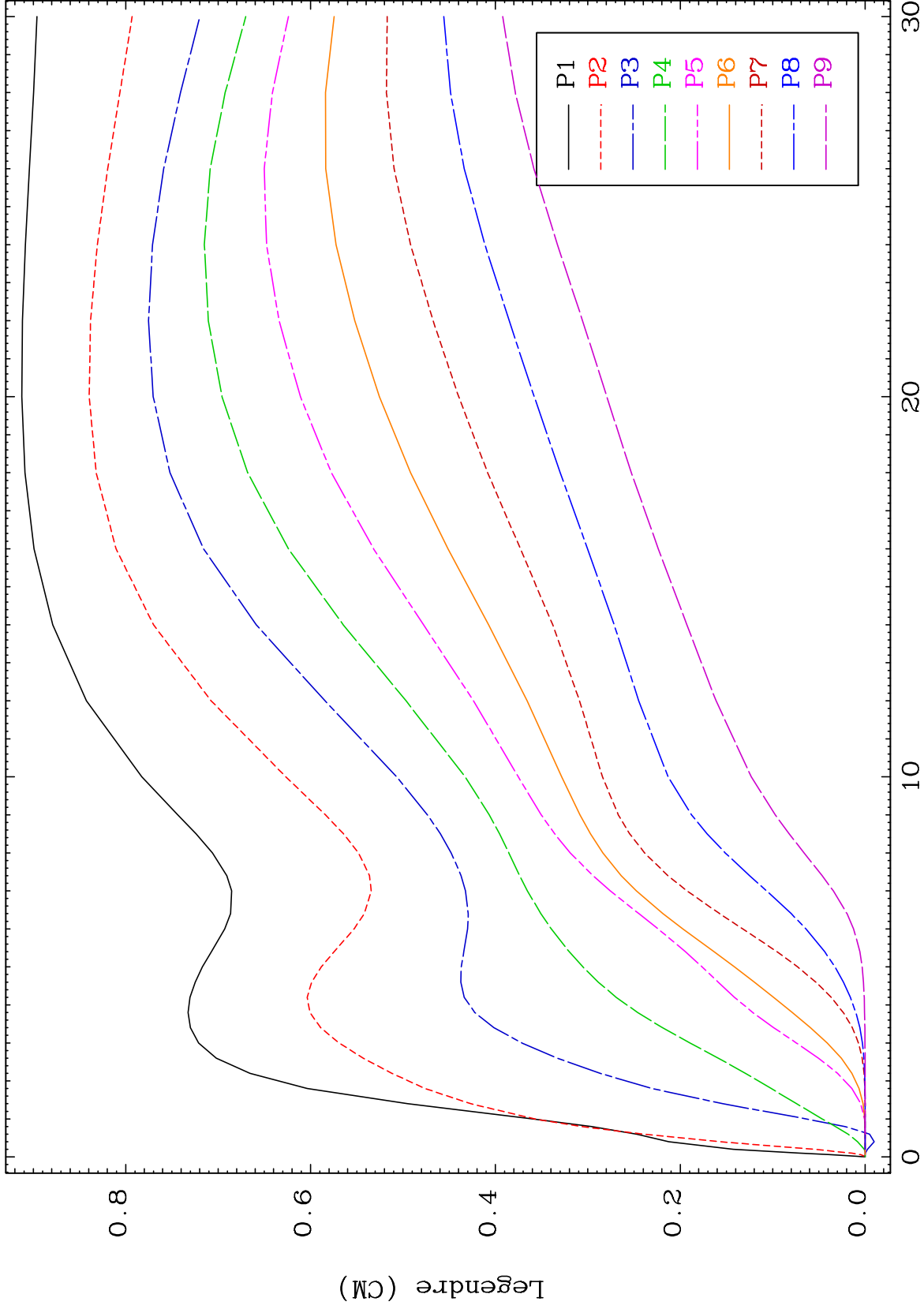




MAT 6213

Elastic Legendre Coefficients

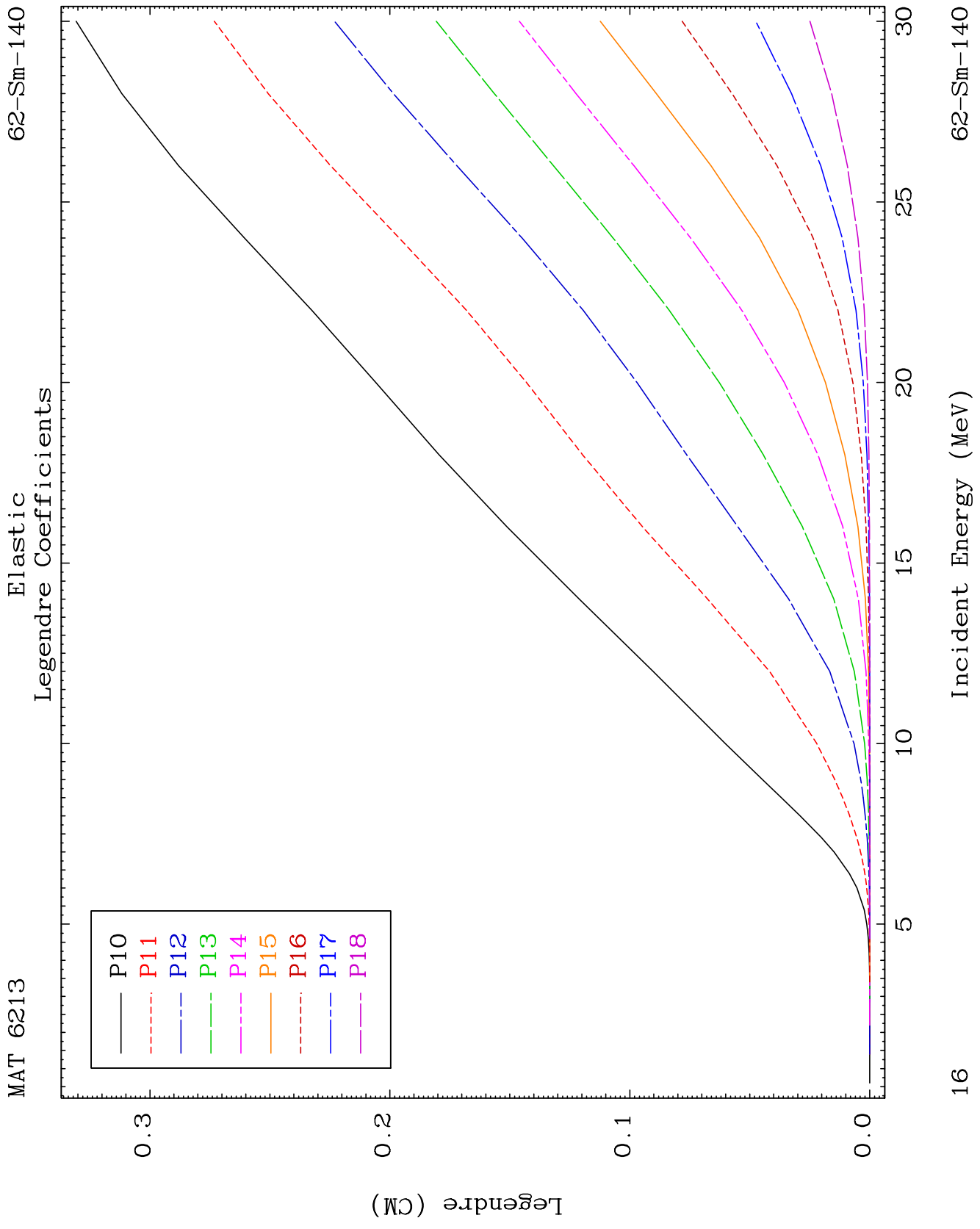
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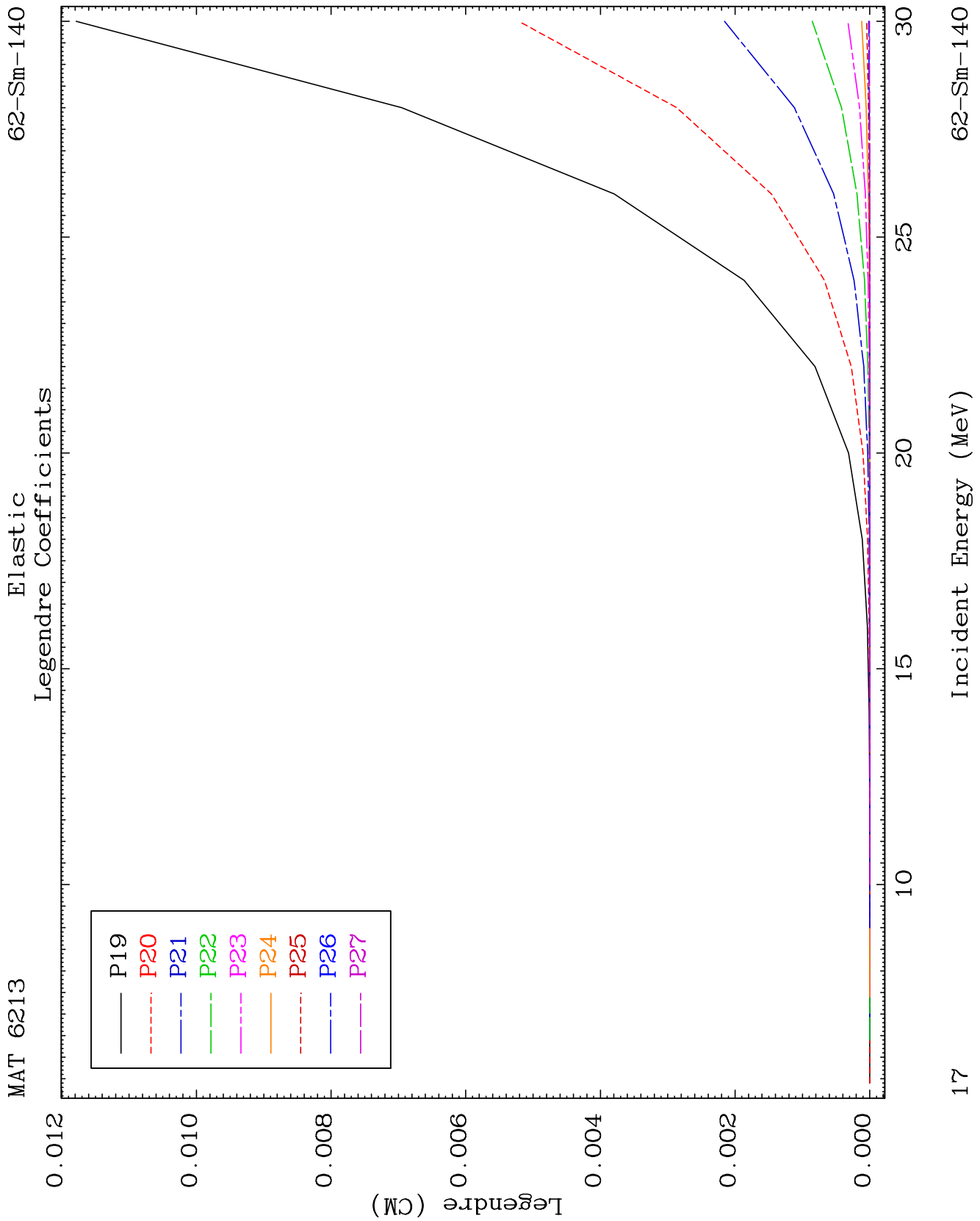


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Incident Energy (MeV)

62-Sm-140

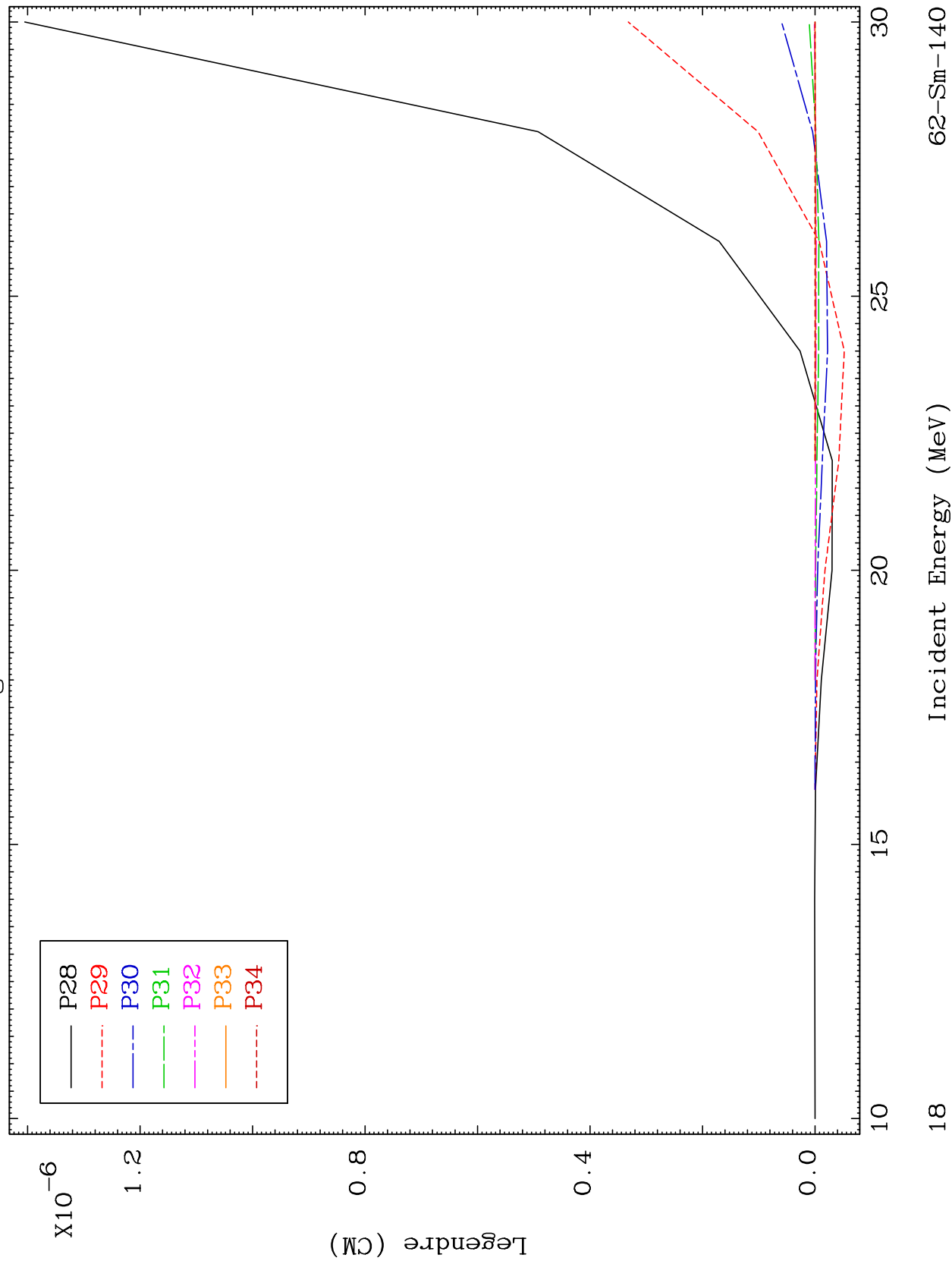




MAT 6213

Elastic Legendre Coefficients

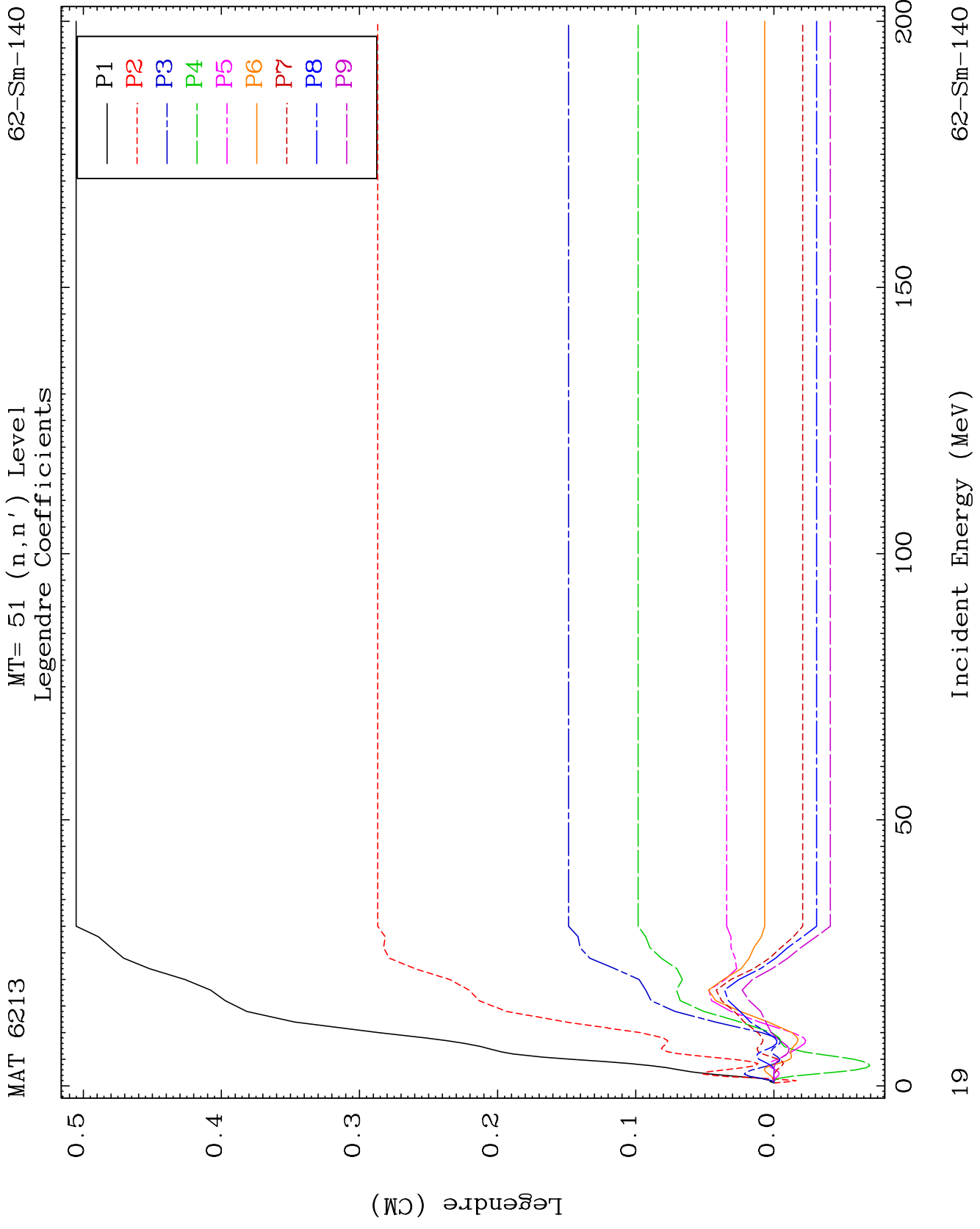
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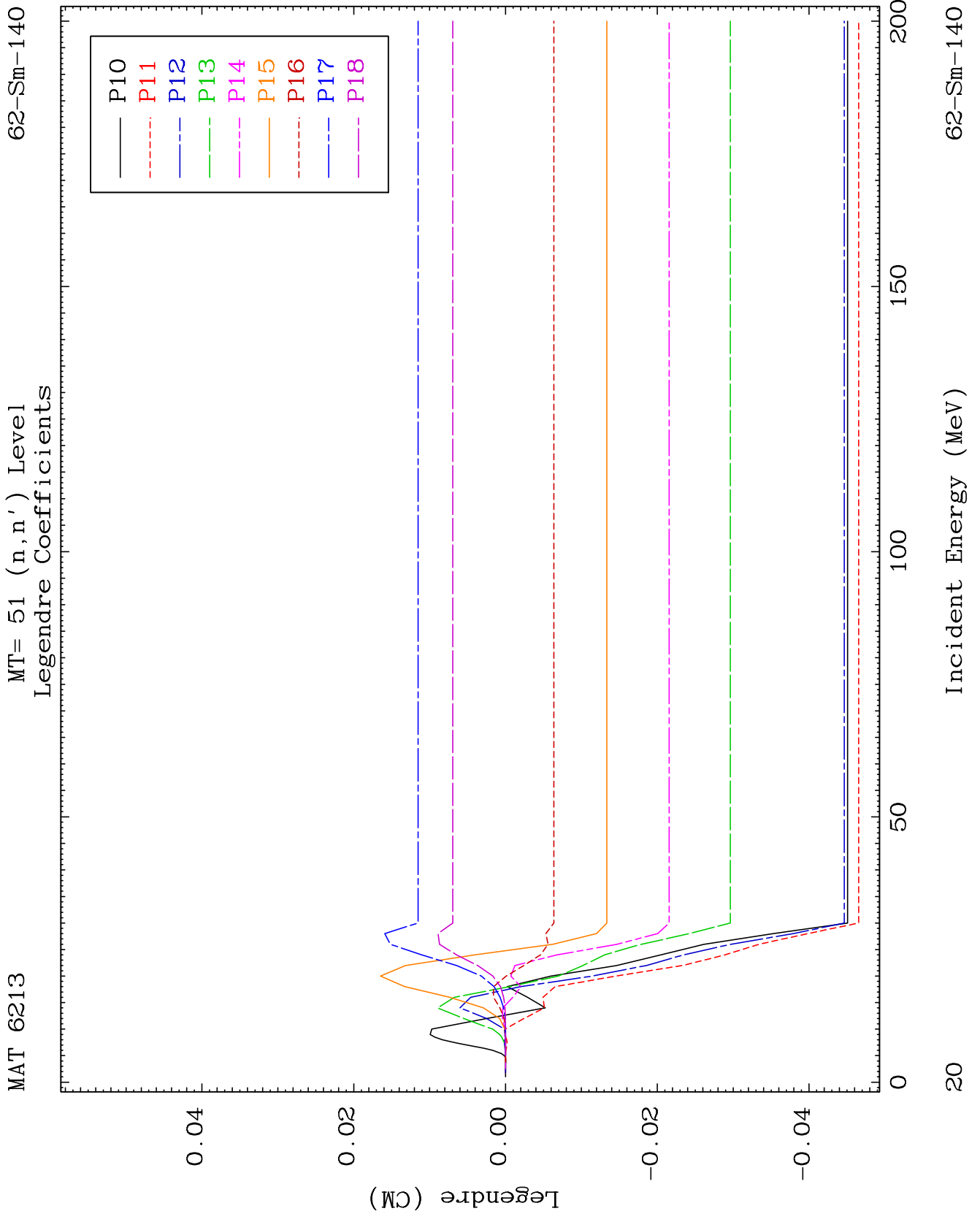


18

Incident Energy (MeV)

62-Sm-140

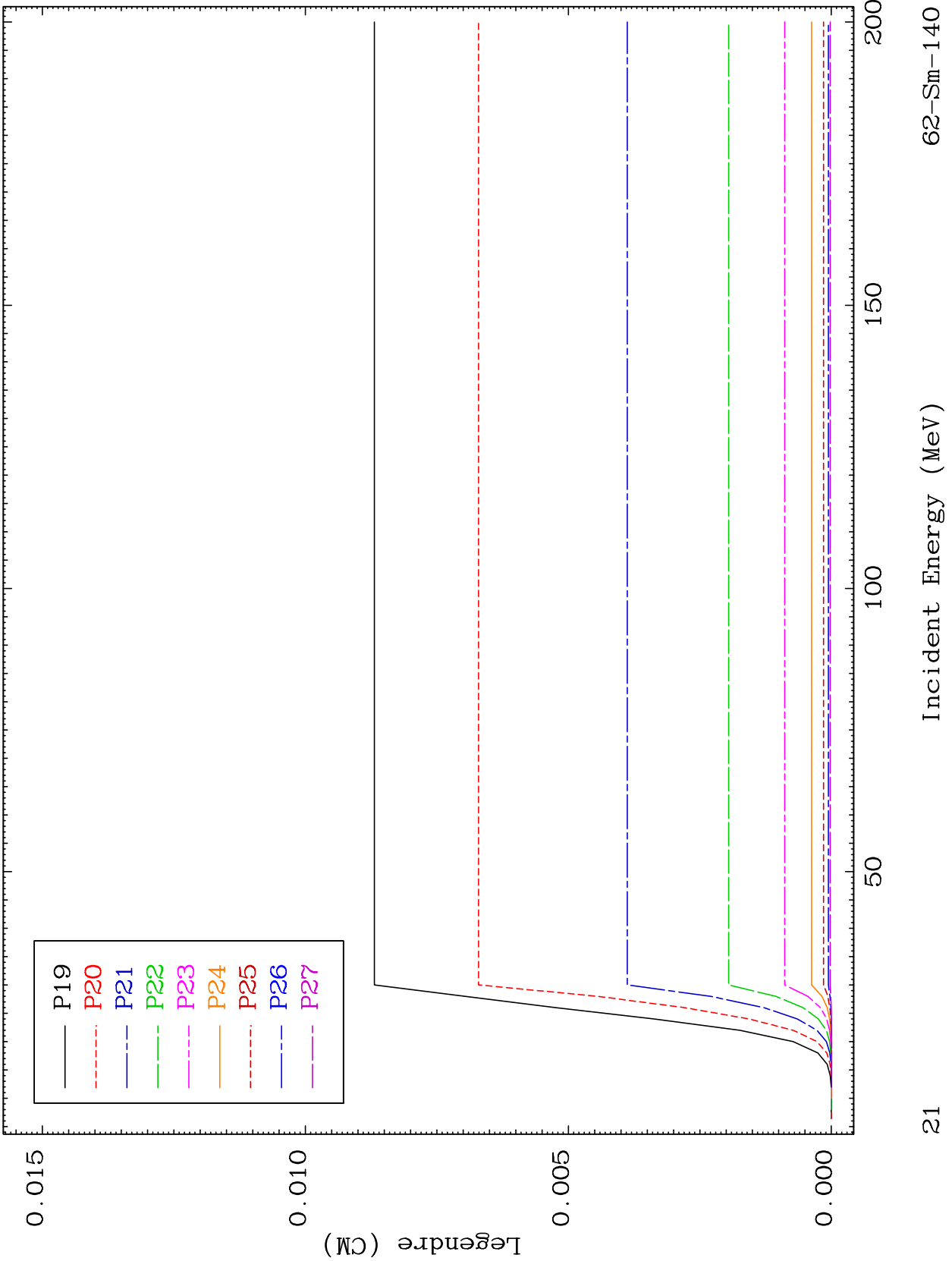




MAT 6213

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

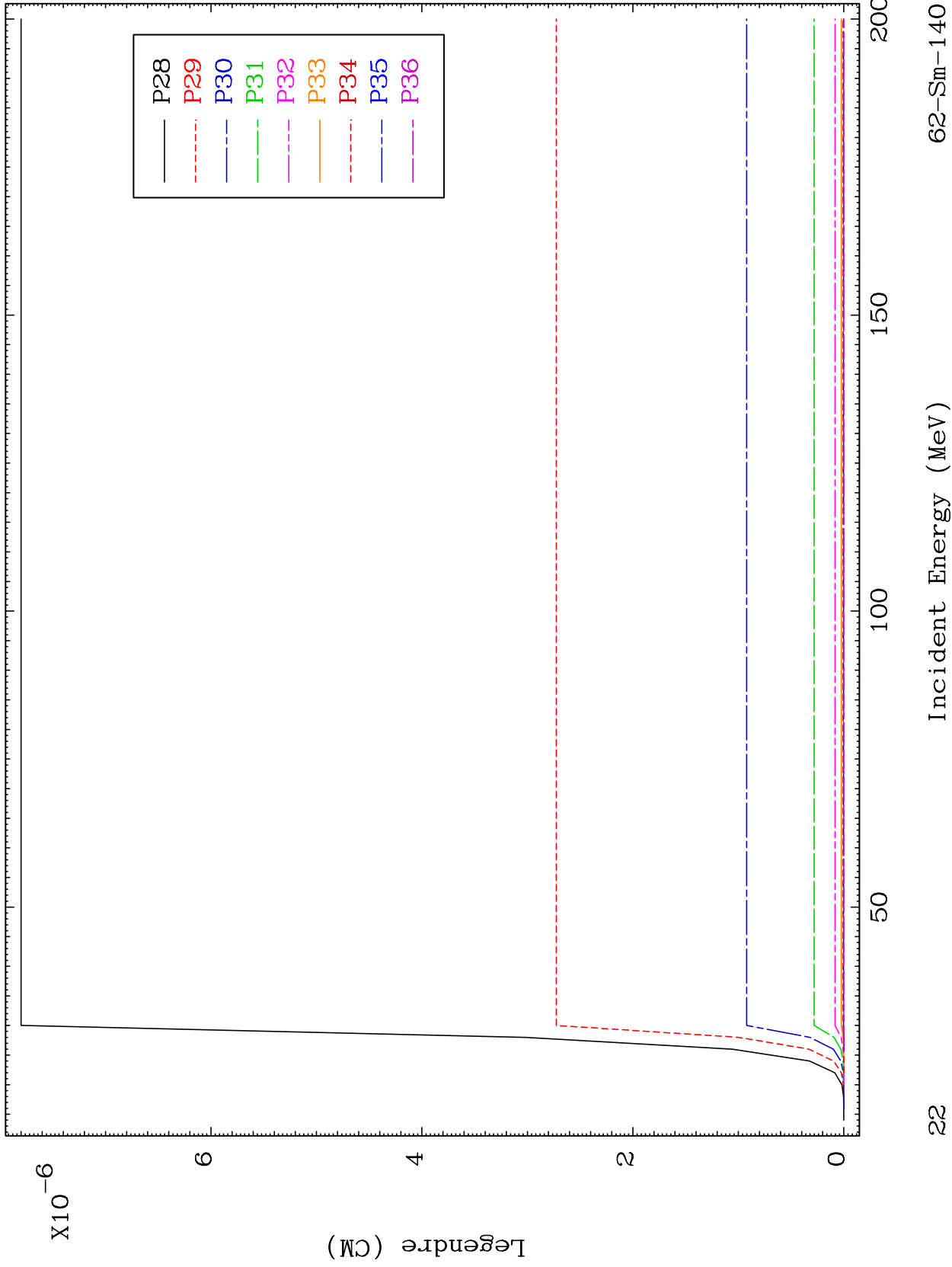
62-Sm-140



MAT 6213

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

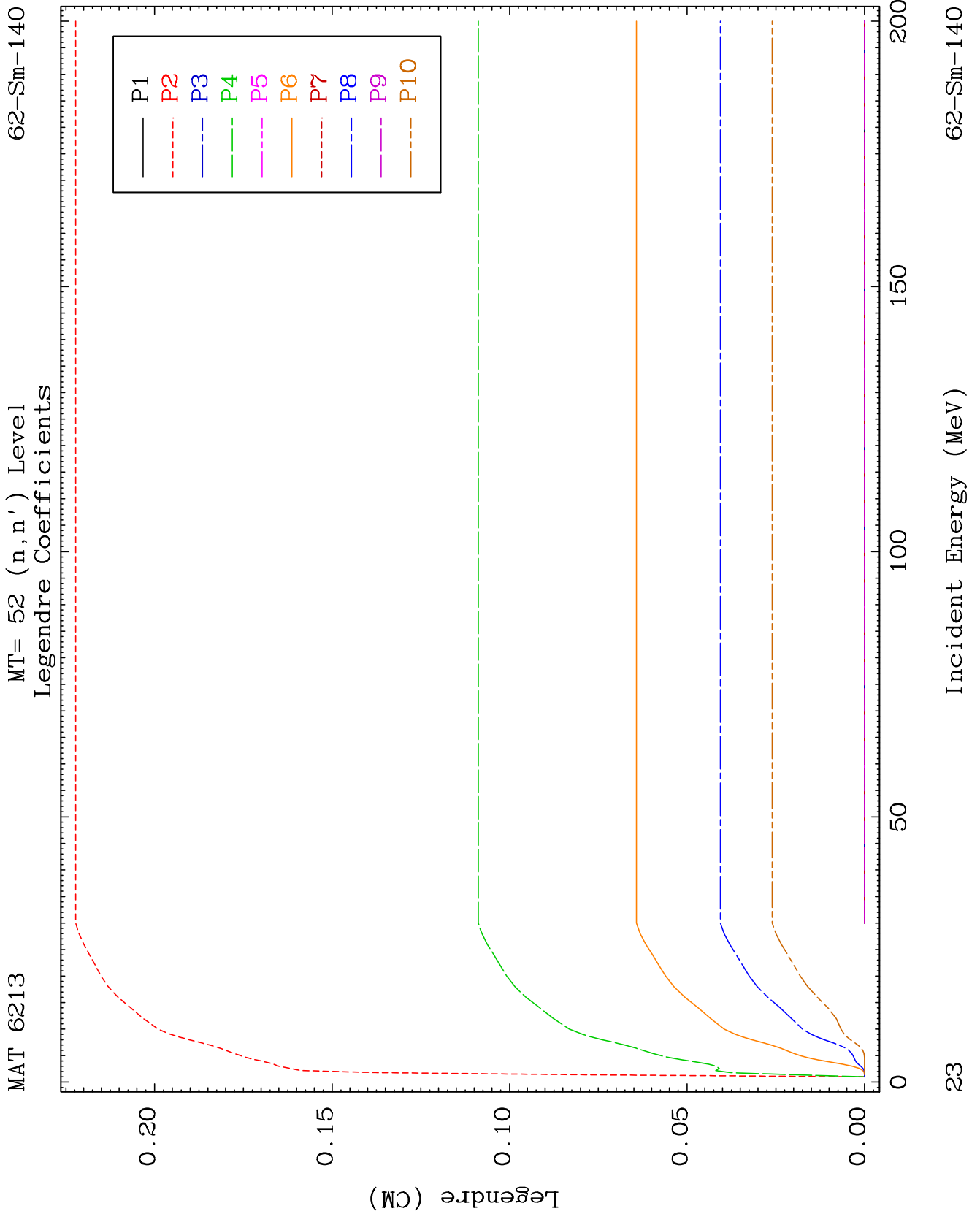
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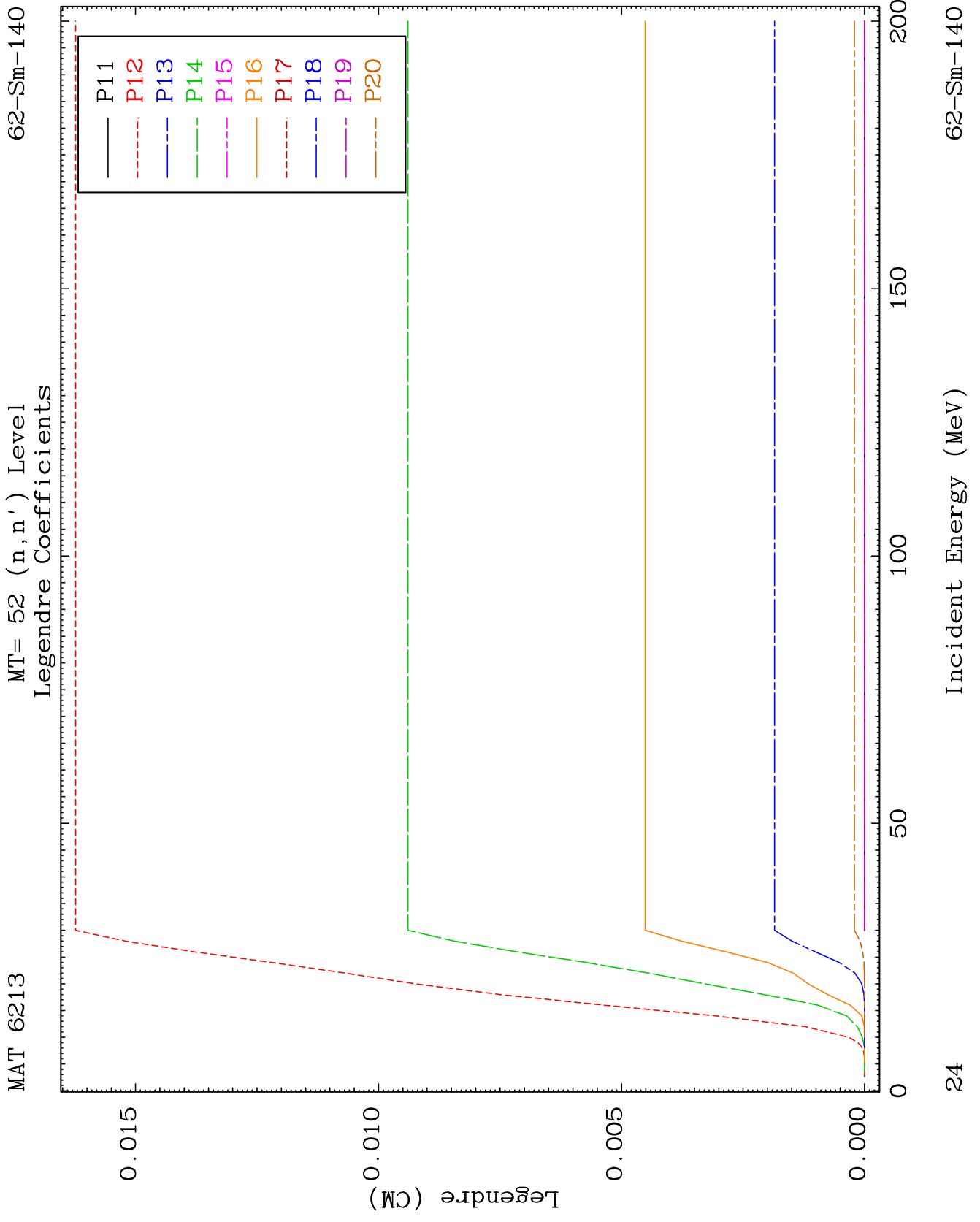


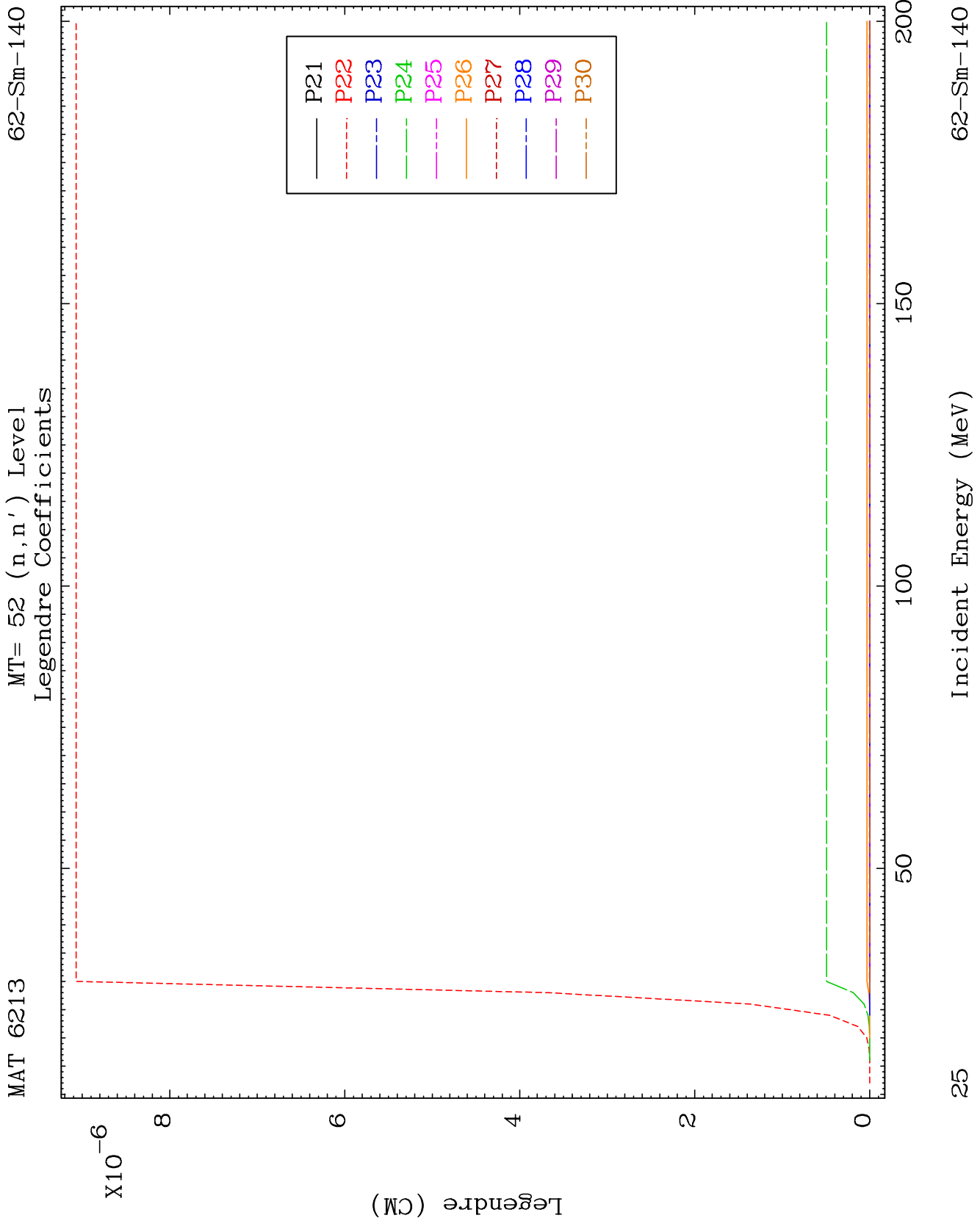
22

Incident Energy (MeV)

62-Sm-140



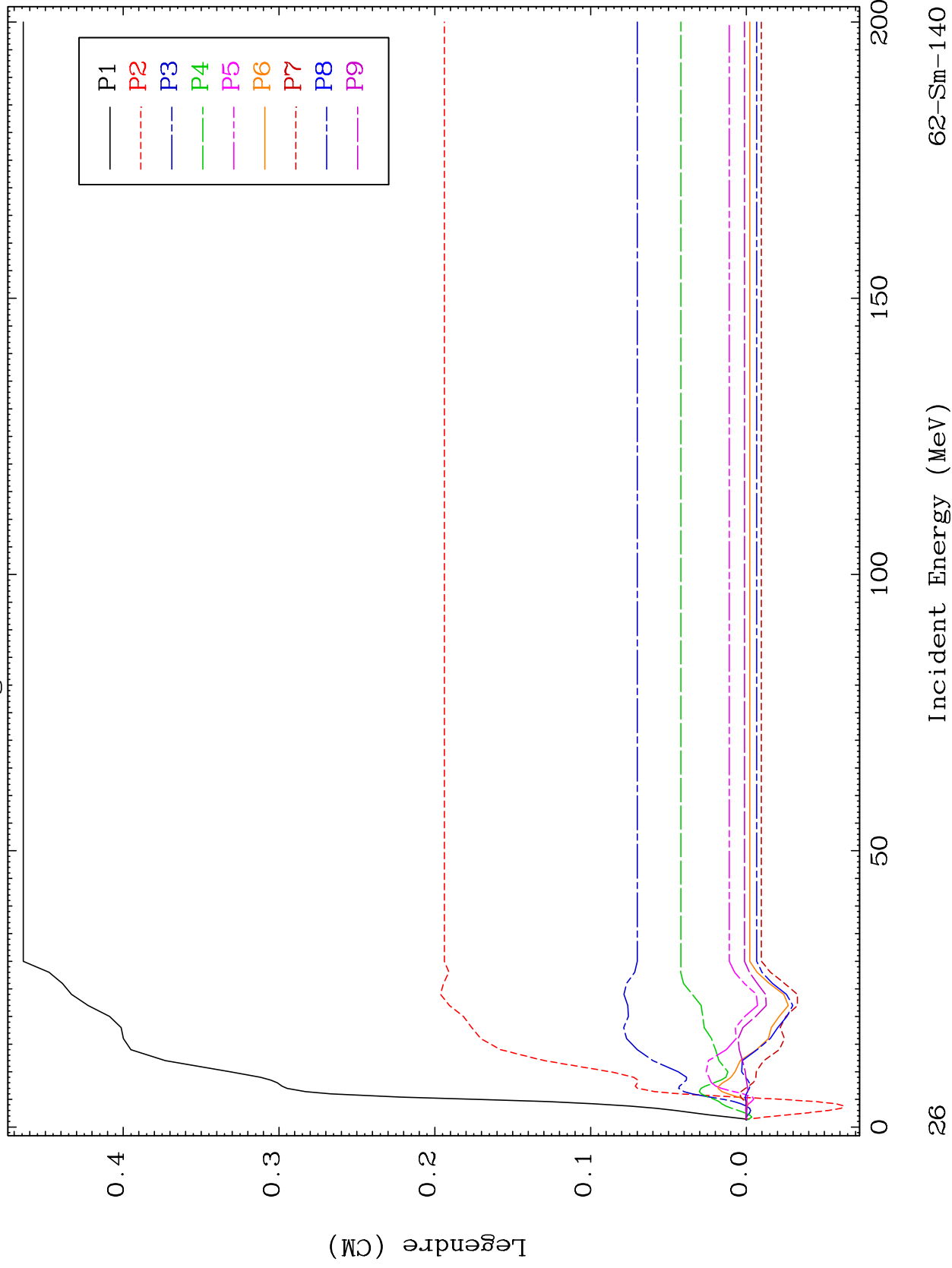




MAT 6213

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

62-Sm-140



62-Sm-140

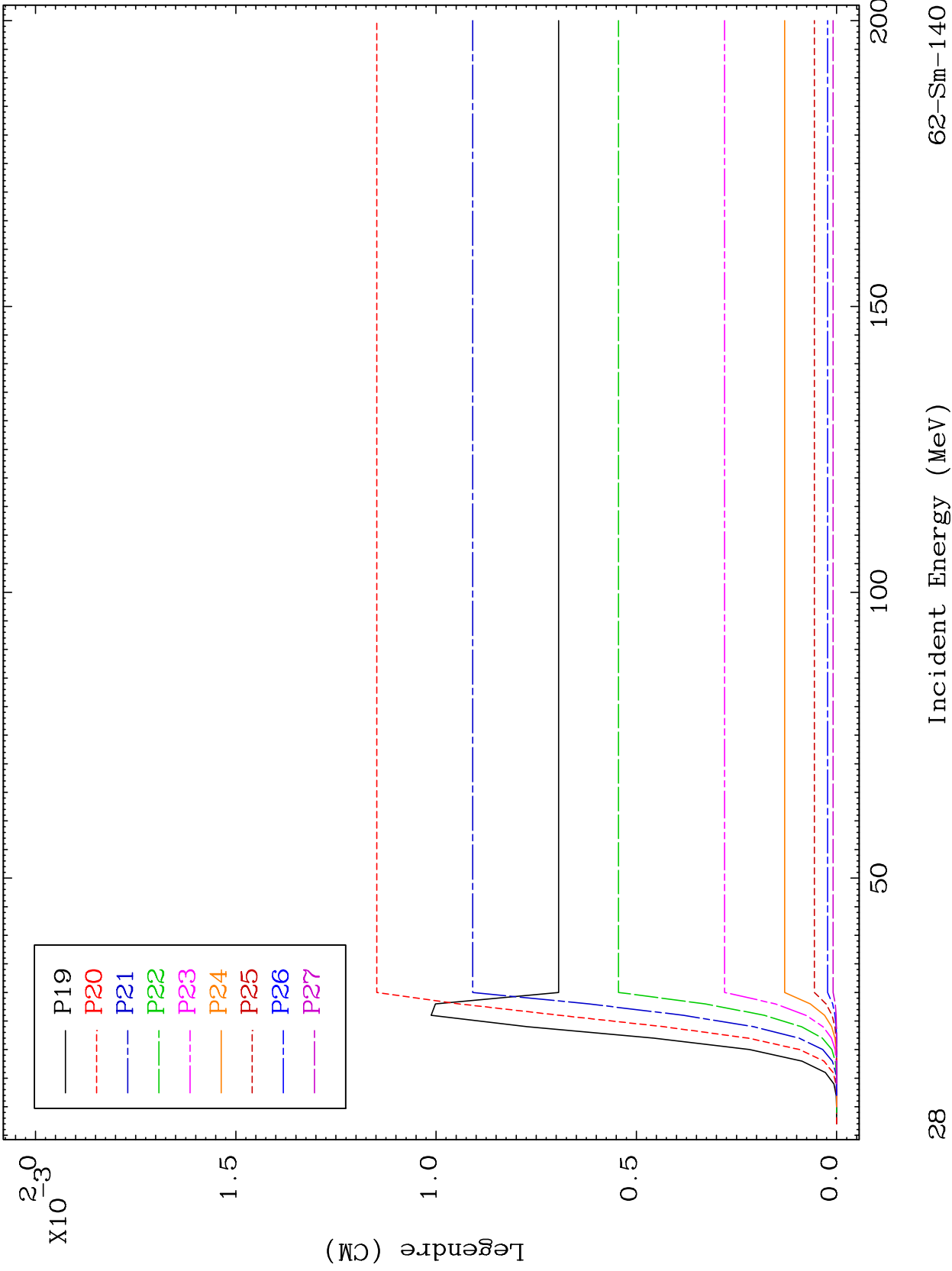
Incident Energy (MeV)

26

MAT 6213

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

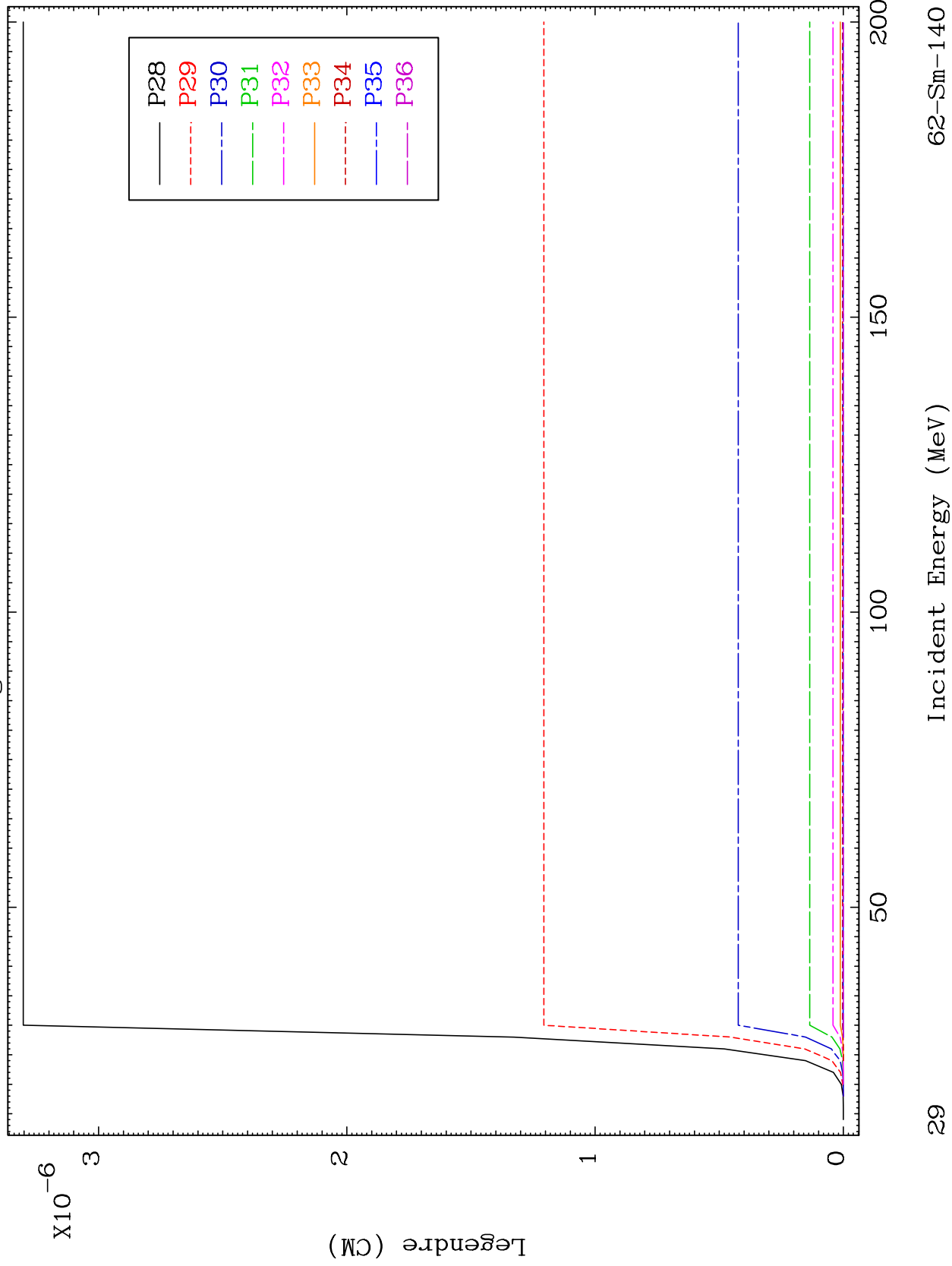
62-Sm-140



MAT 6213

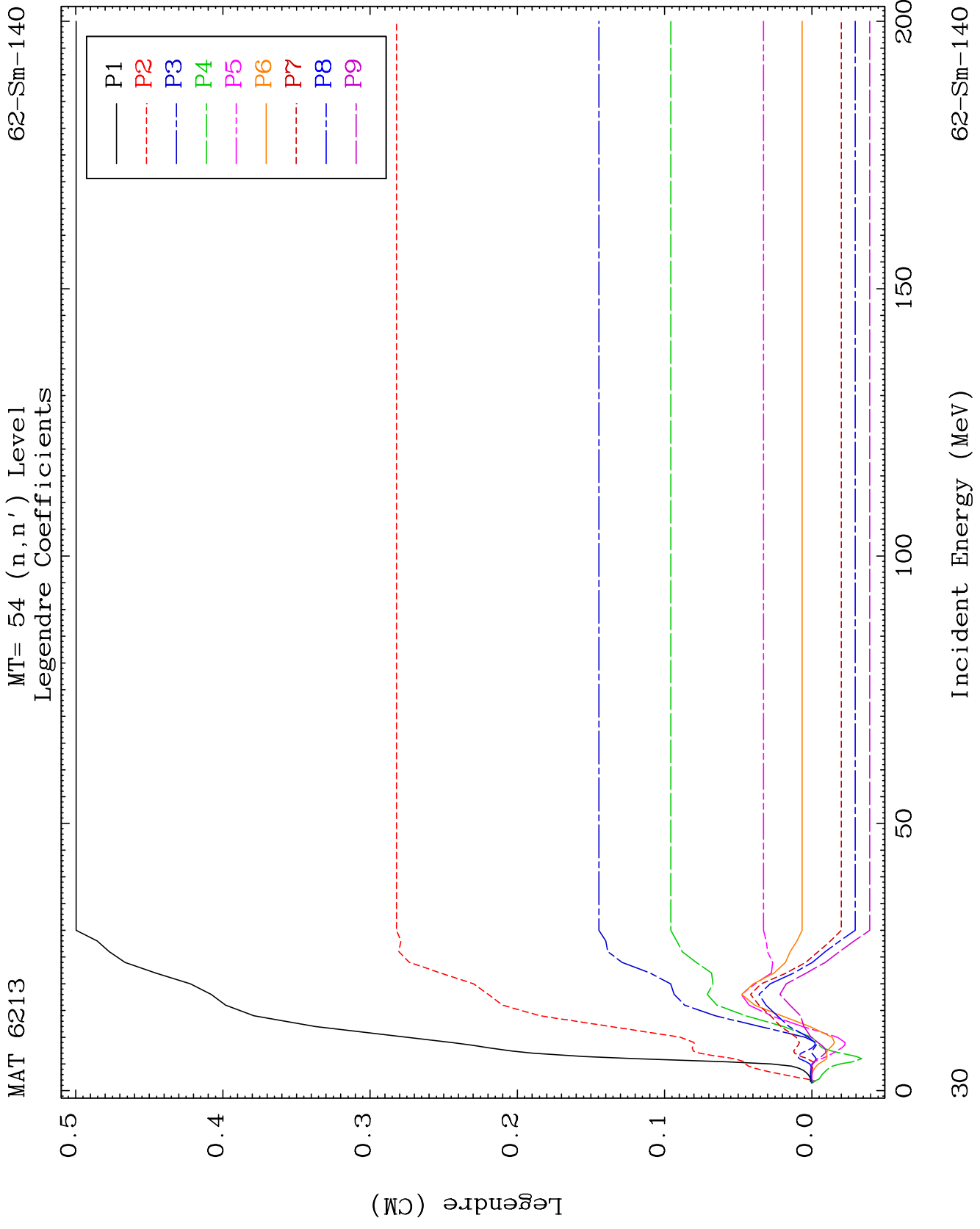
MT= 53 (n,n') Level
Legendre Coefficients

62-Sm-140



29

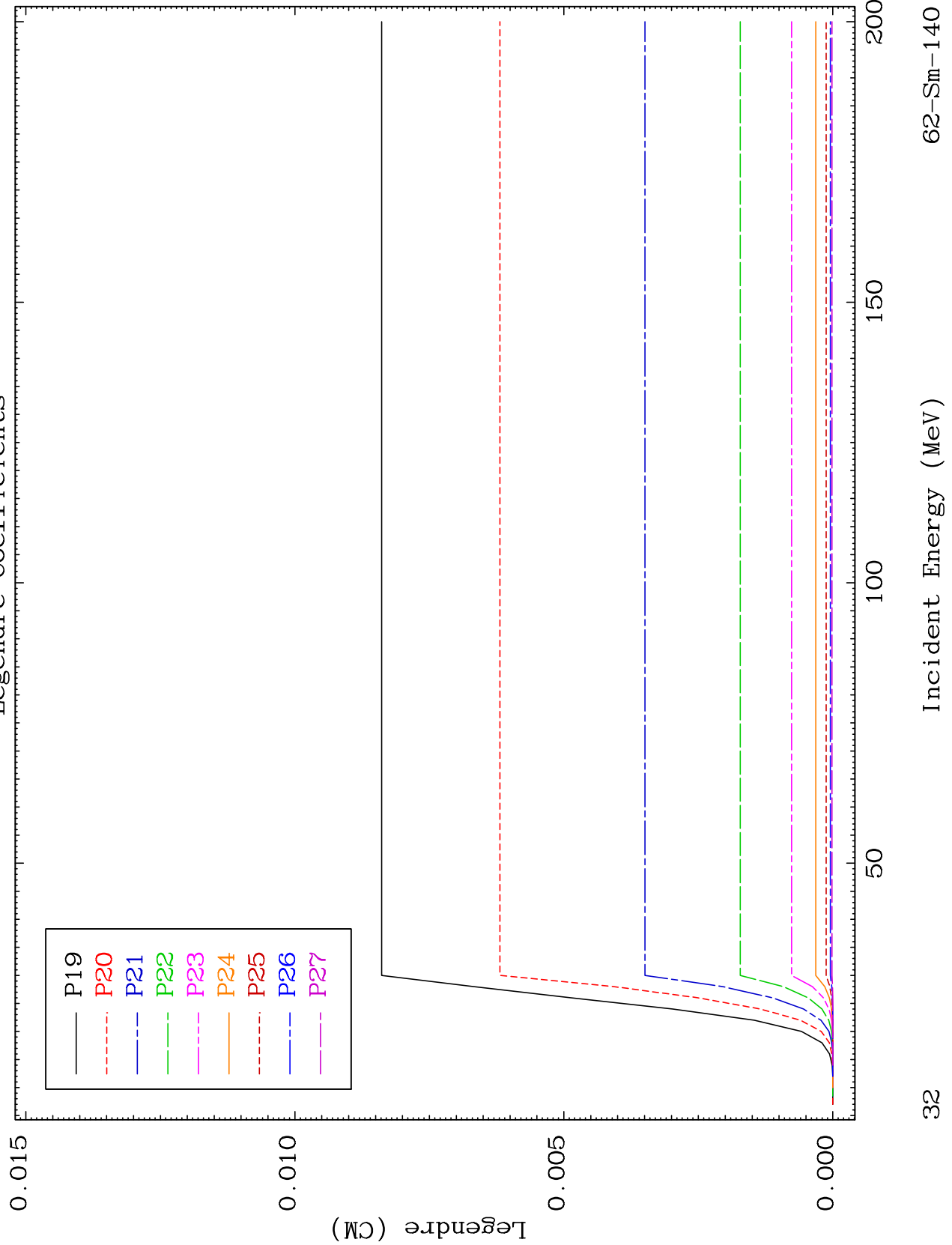
62-Sm-140



MAT 6213

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

62-Sm-140



32

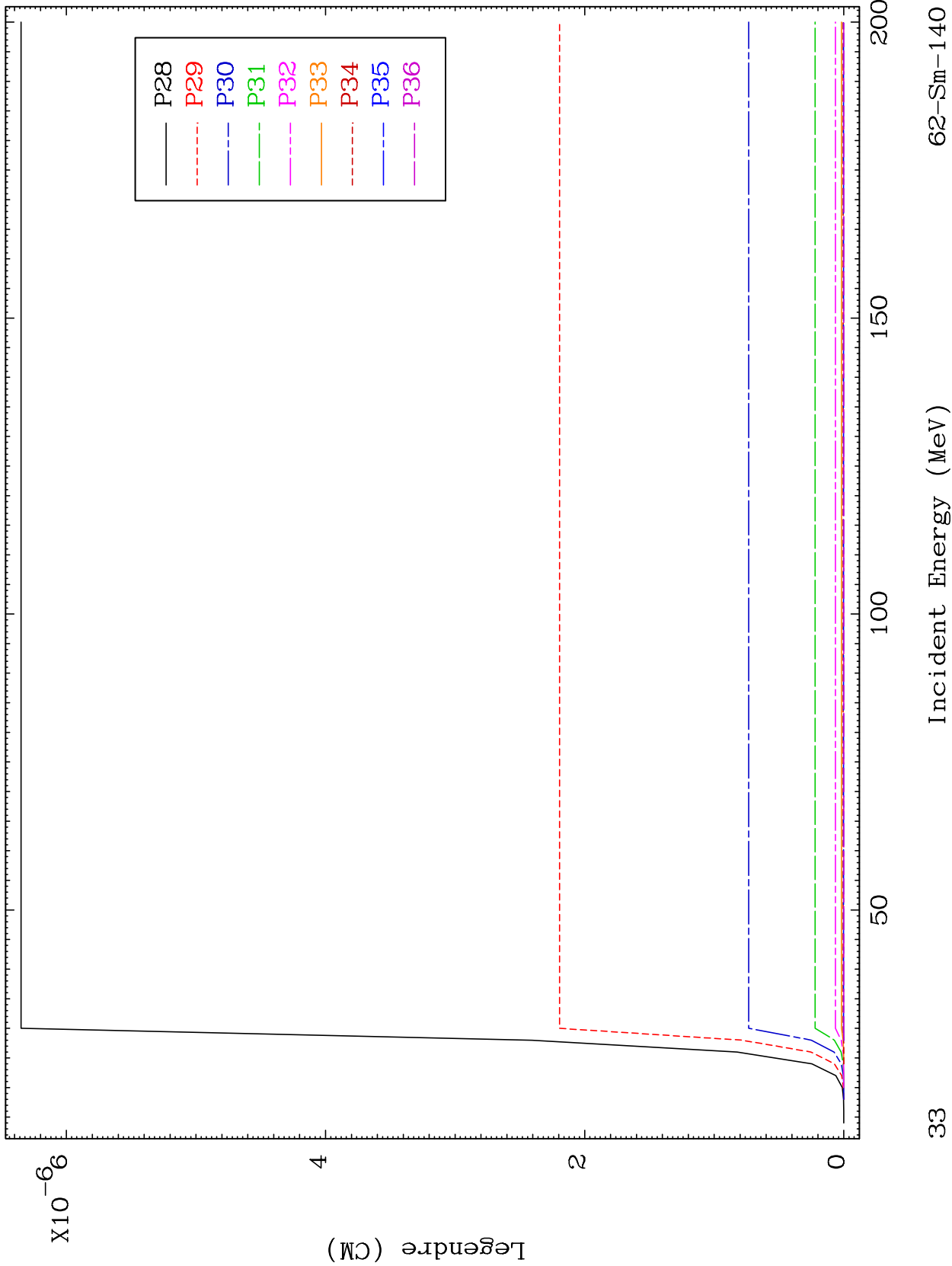
Incident Energy (MeV)

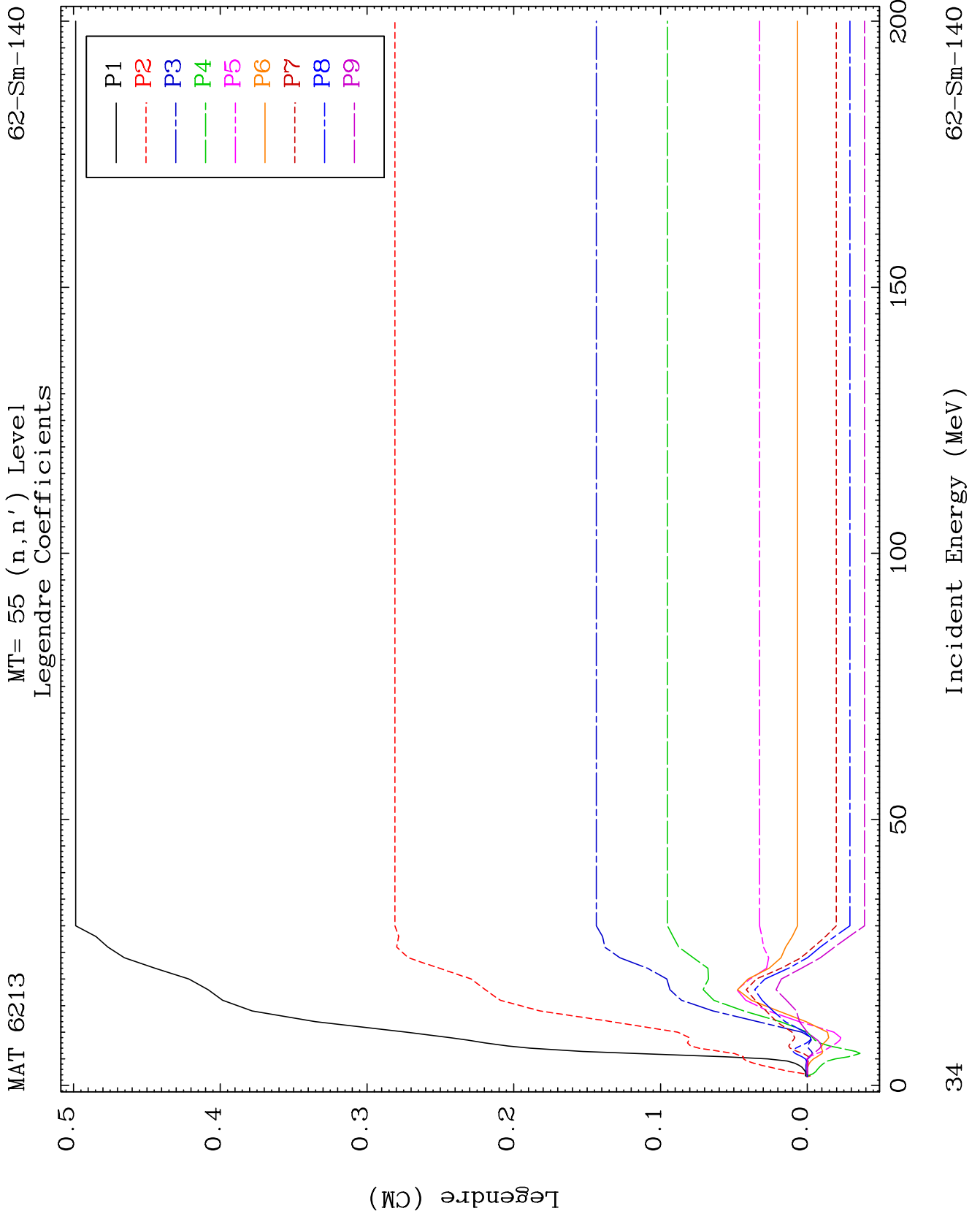
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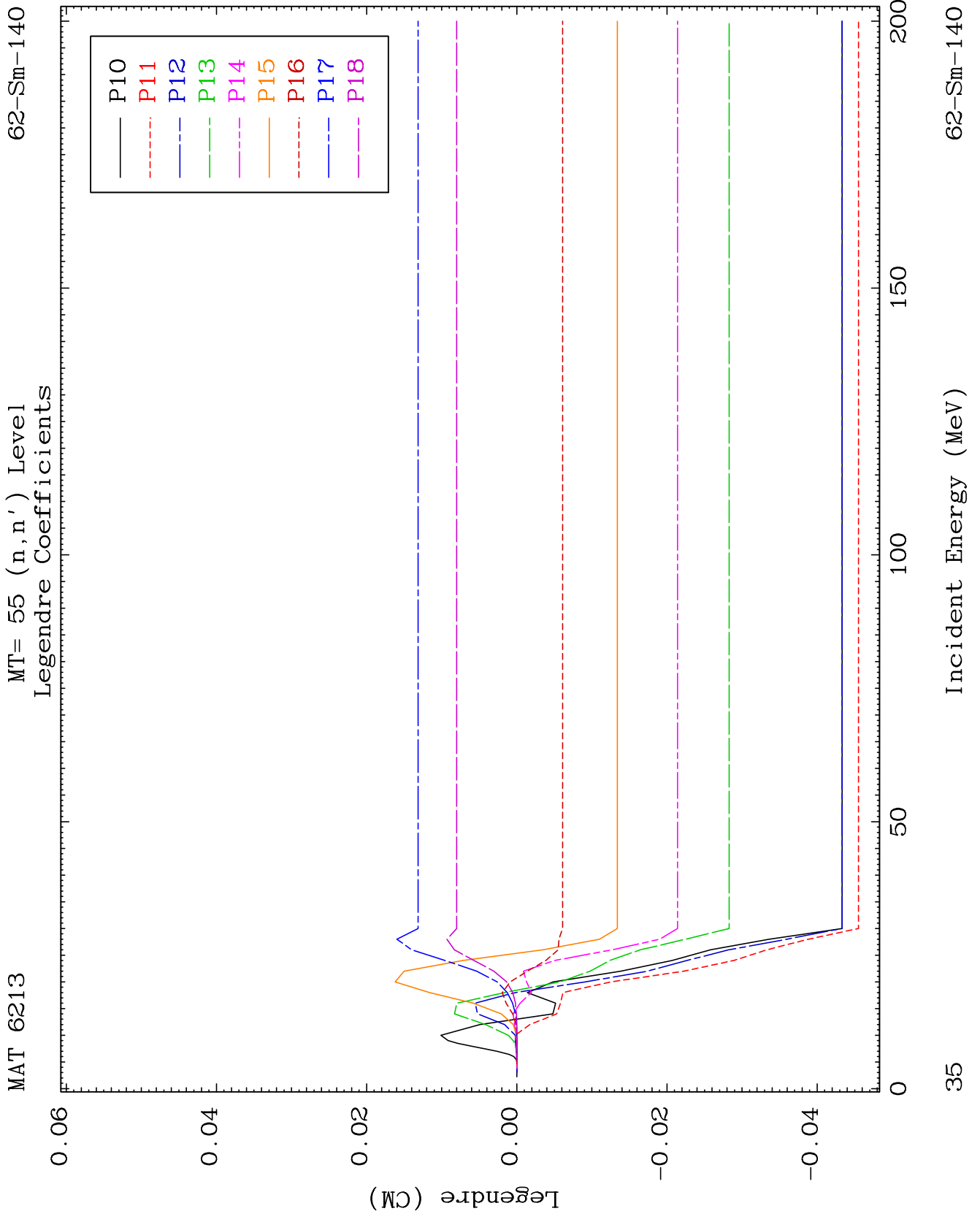
MAT 6213

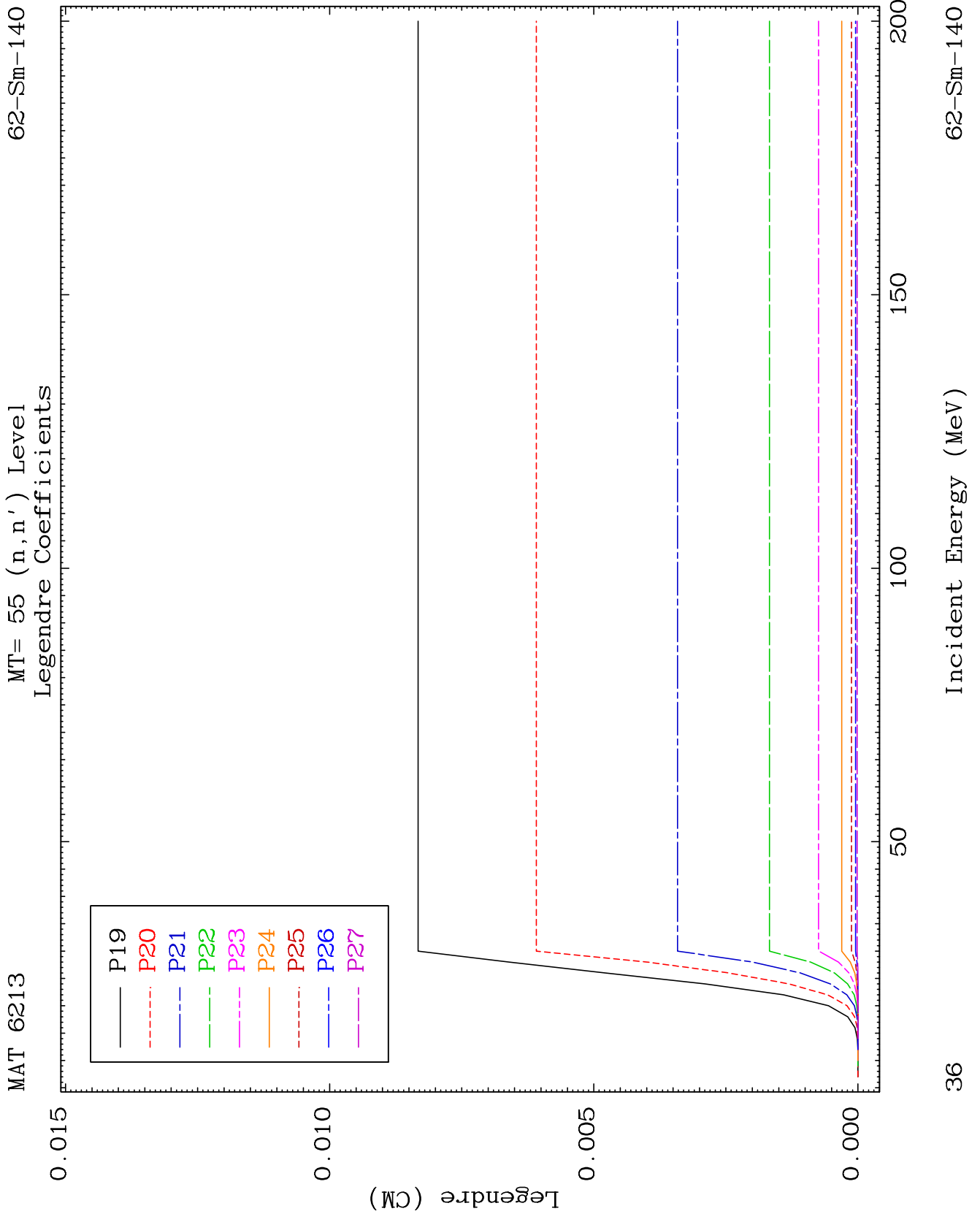
MT= 54 (n,n') Level
Legendre Coefficients

62-Sm-140





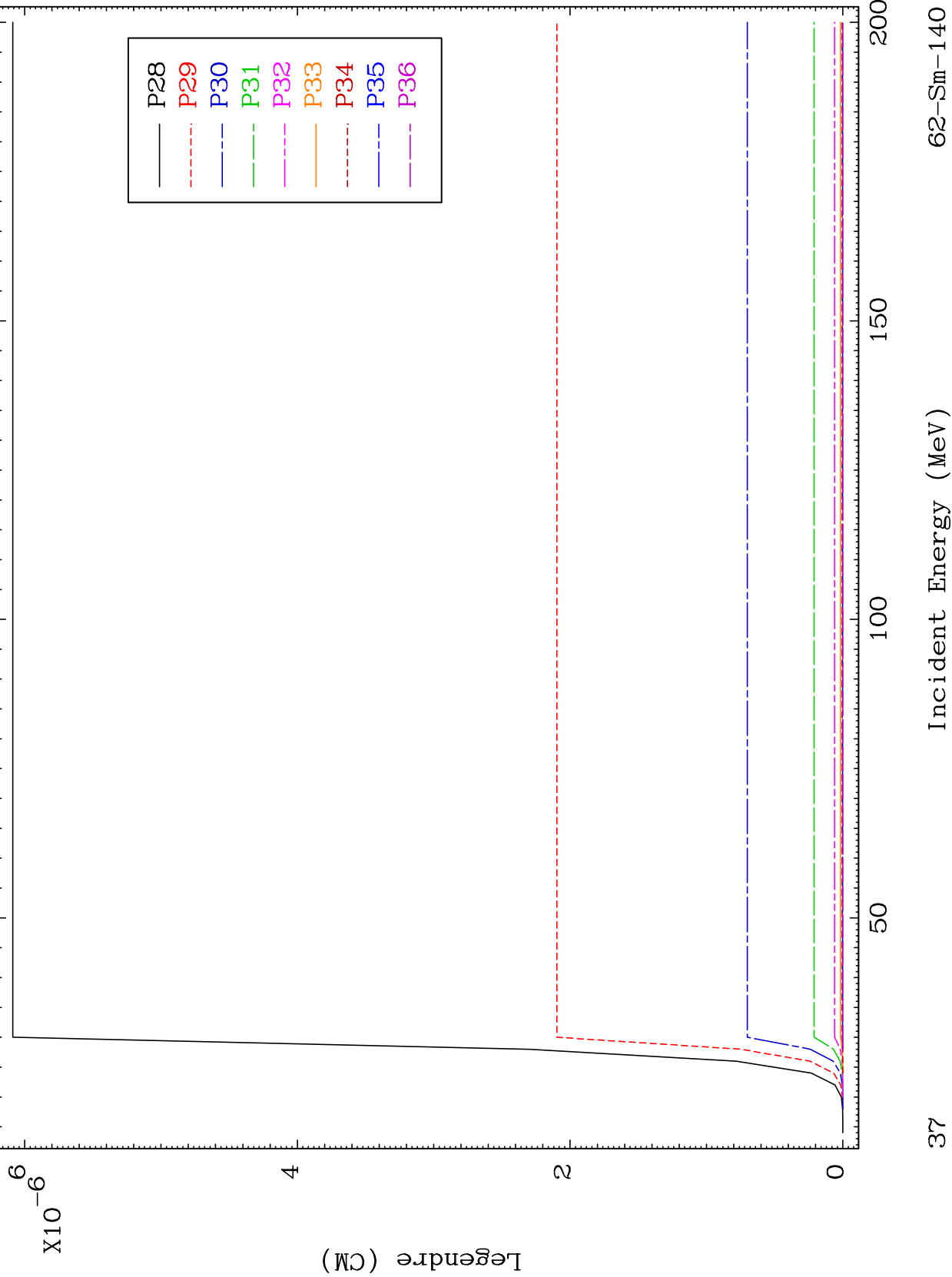


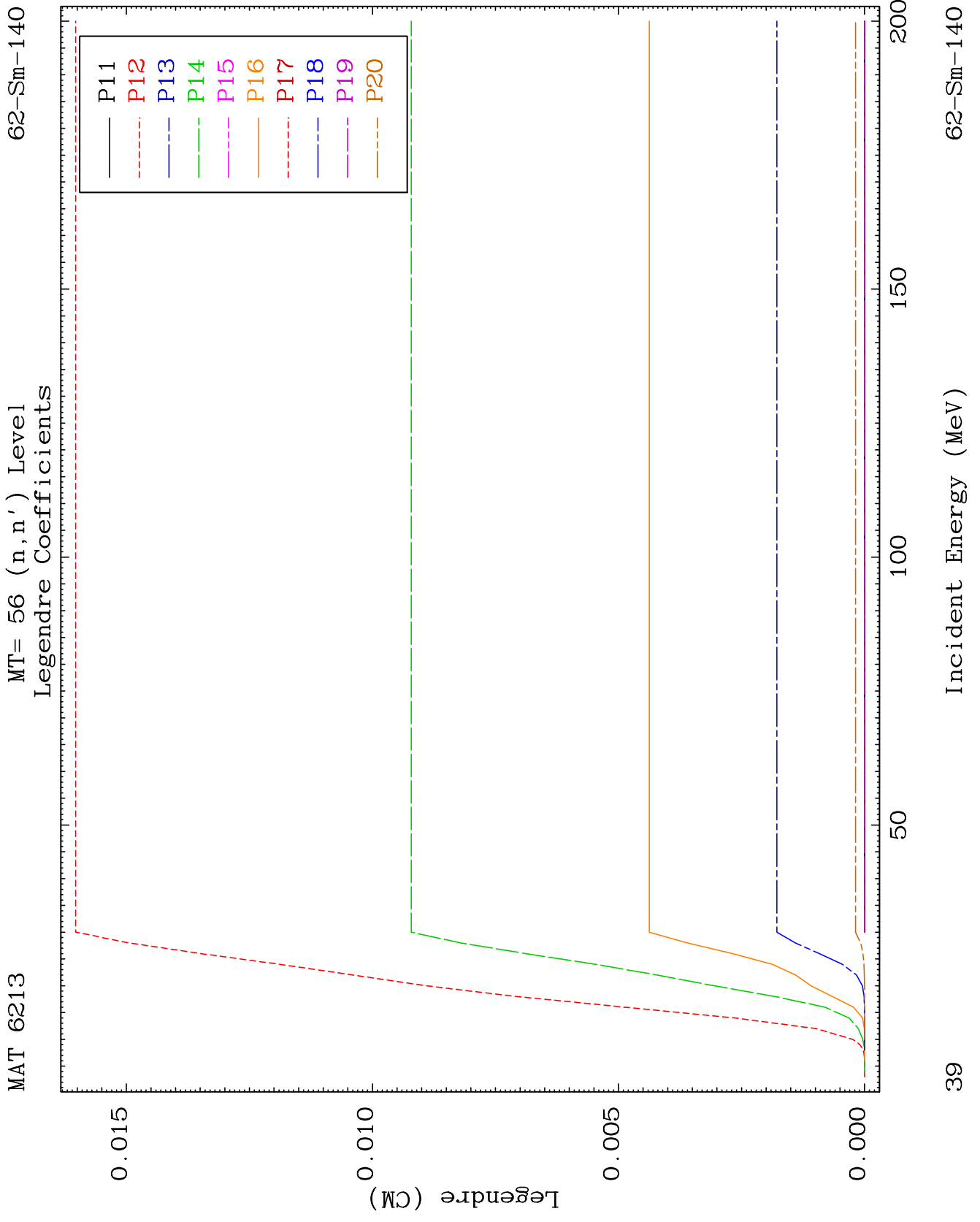


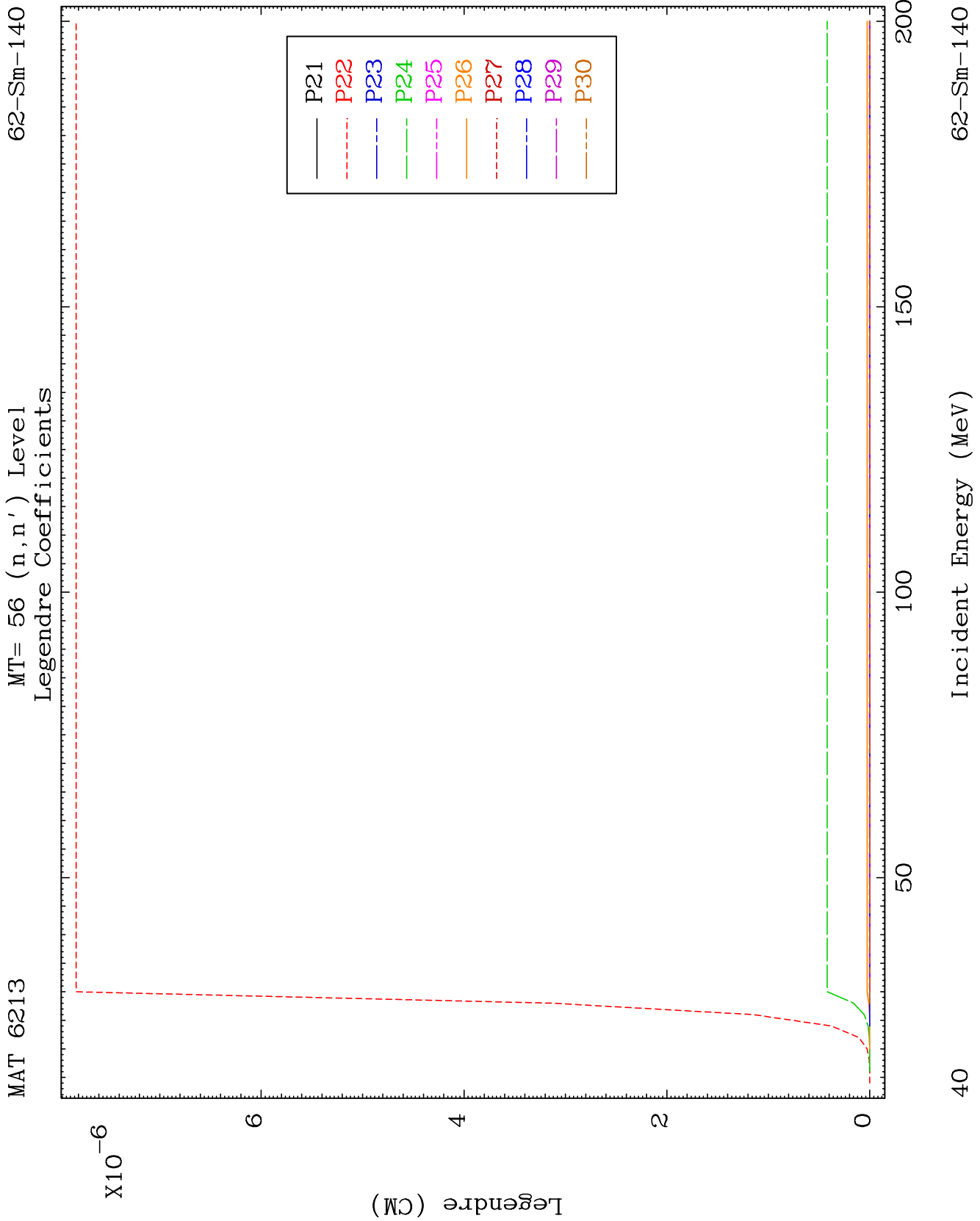
MAT 6213

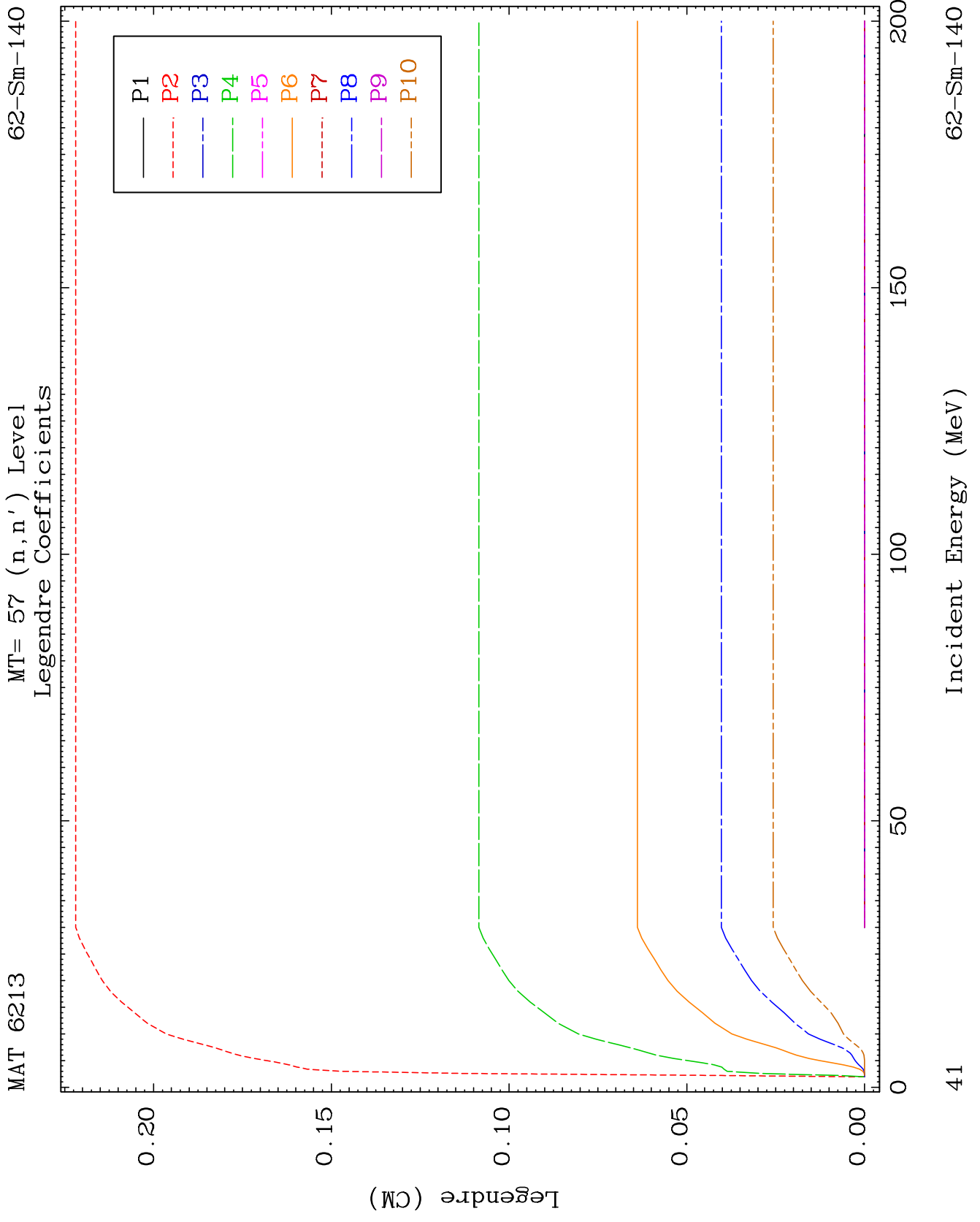
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Legendre Coefficients

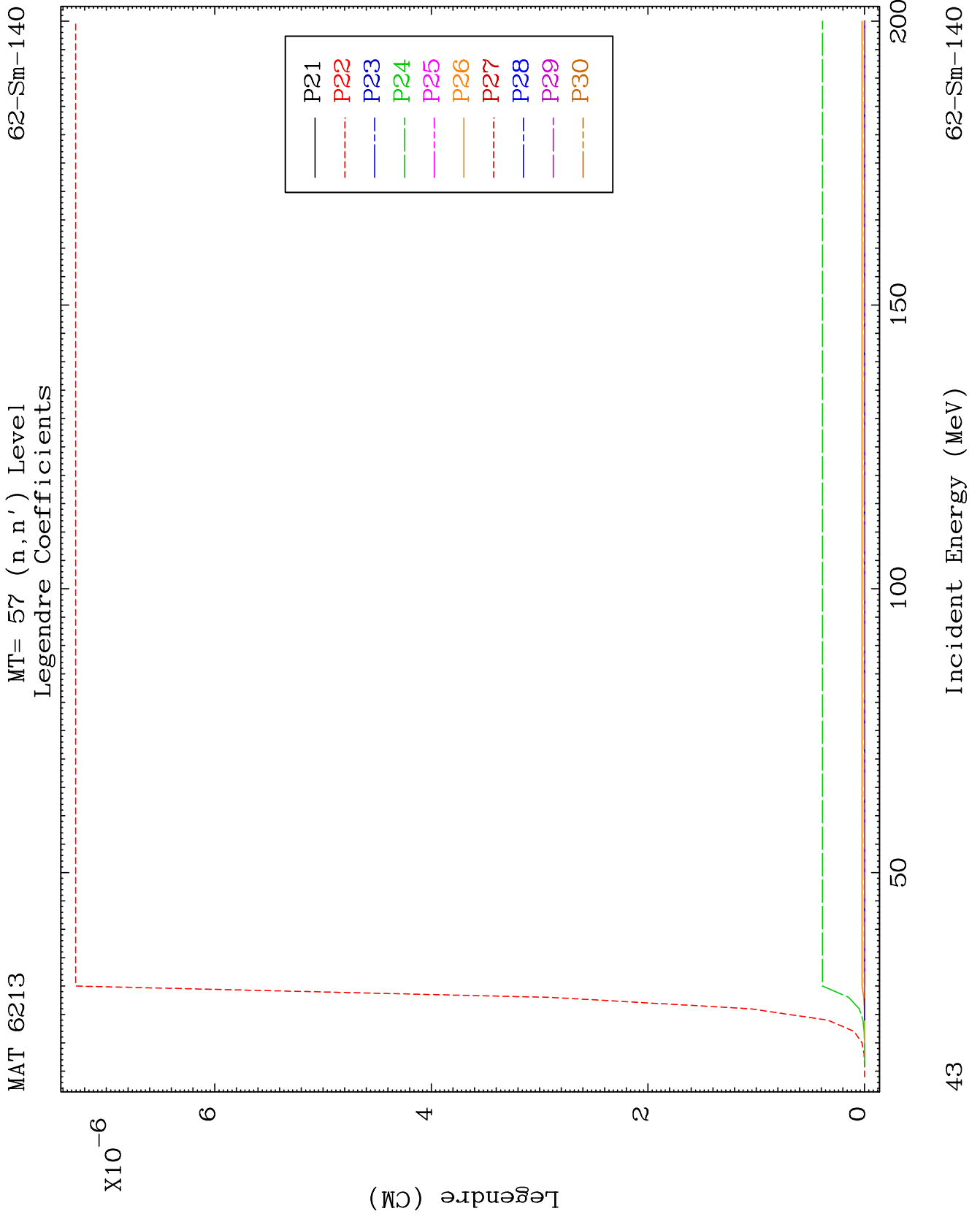
62-Sm-140

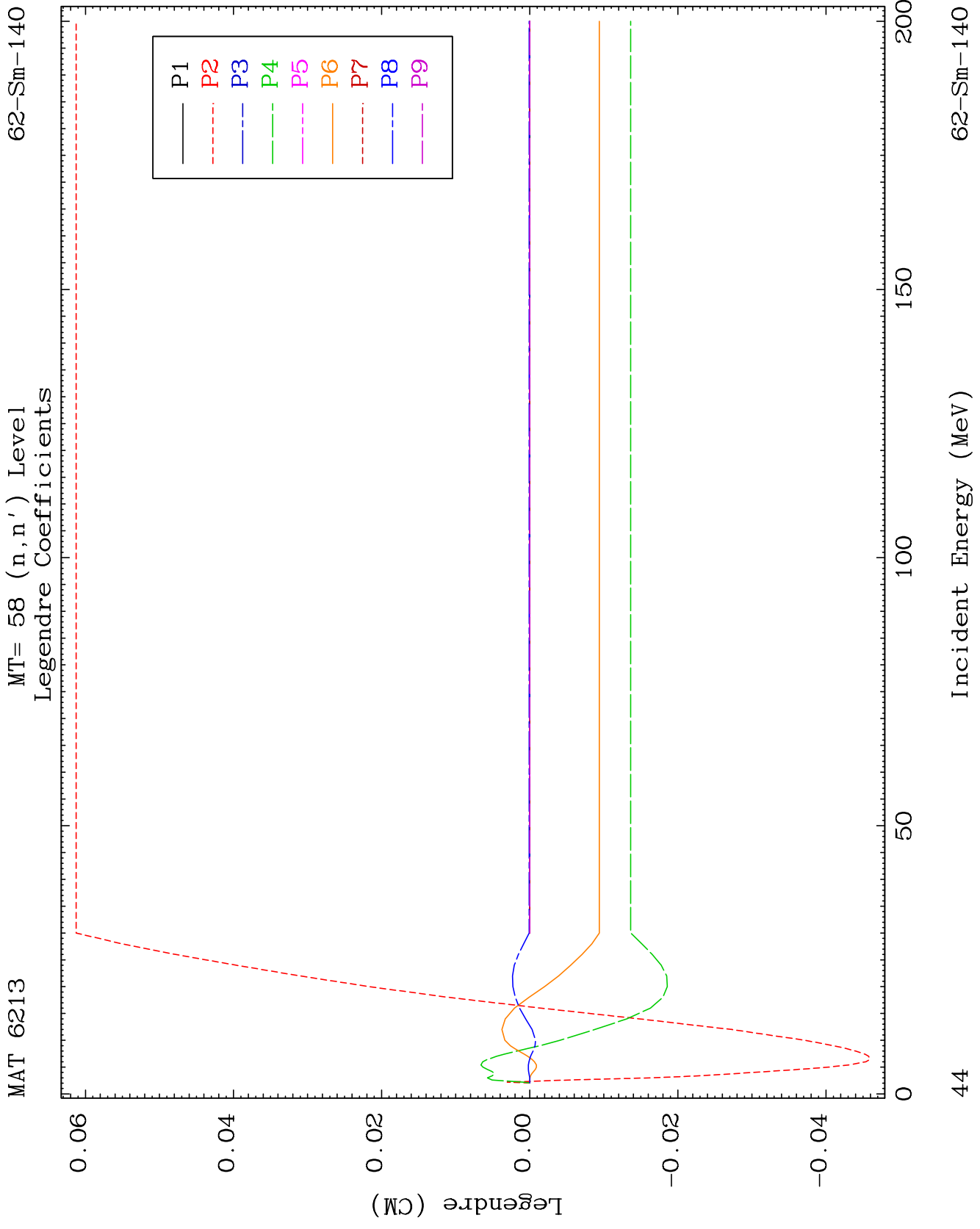


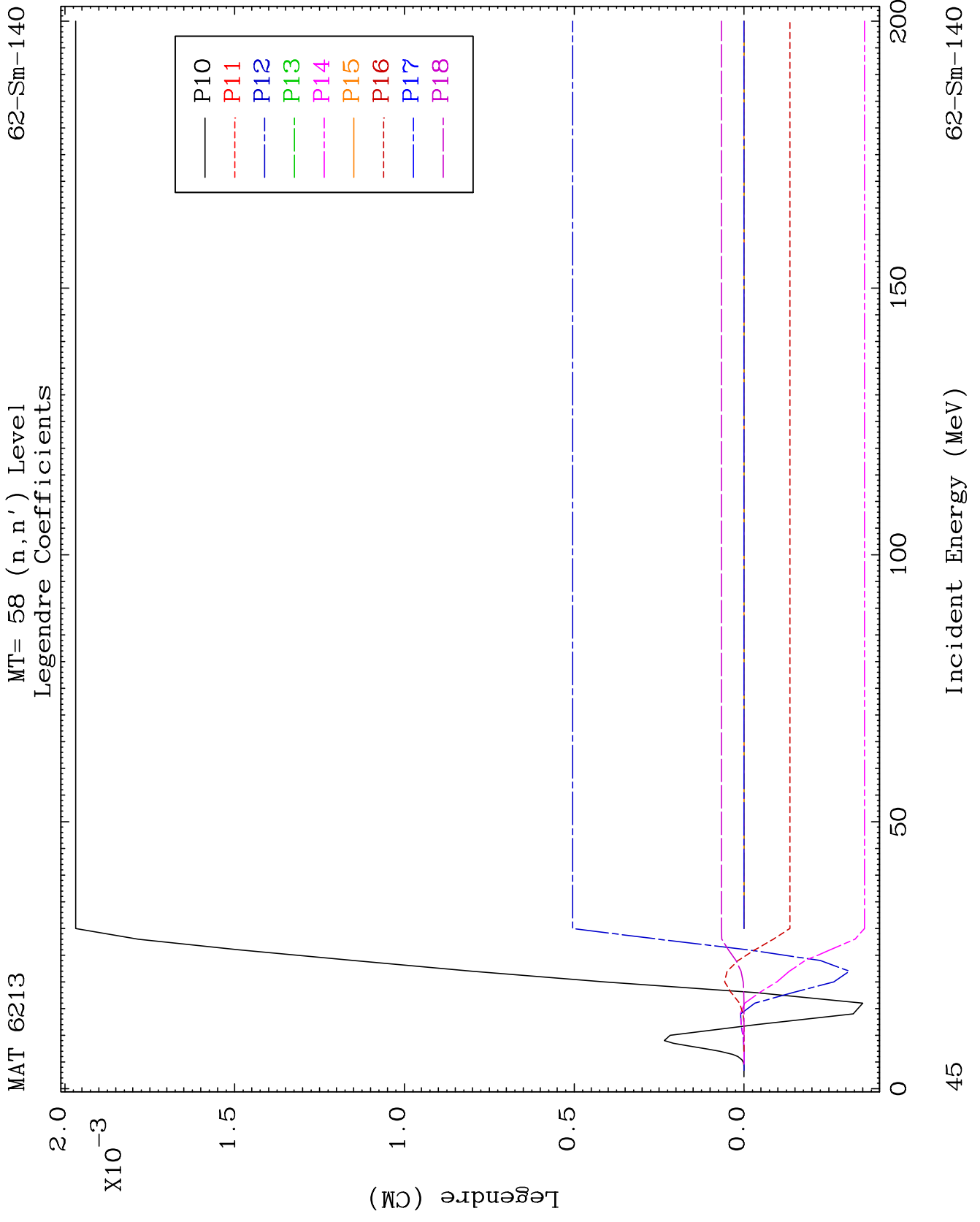








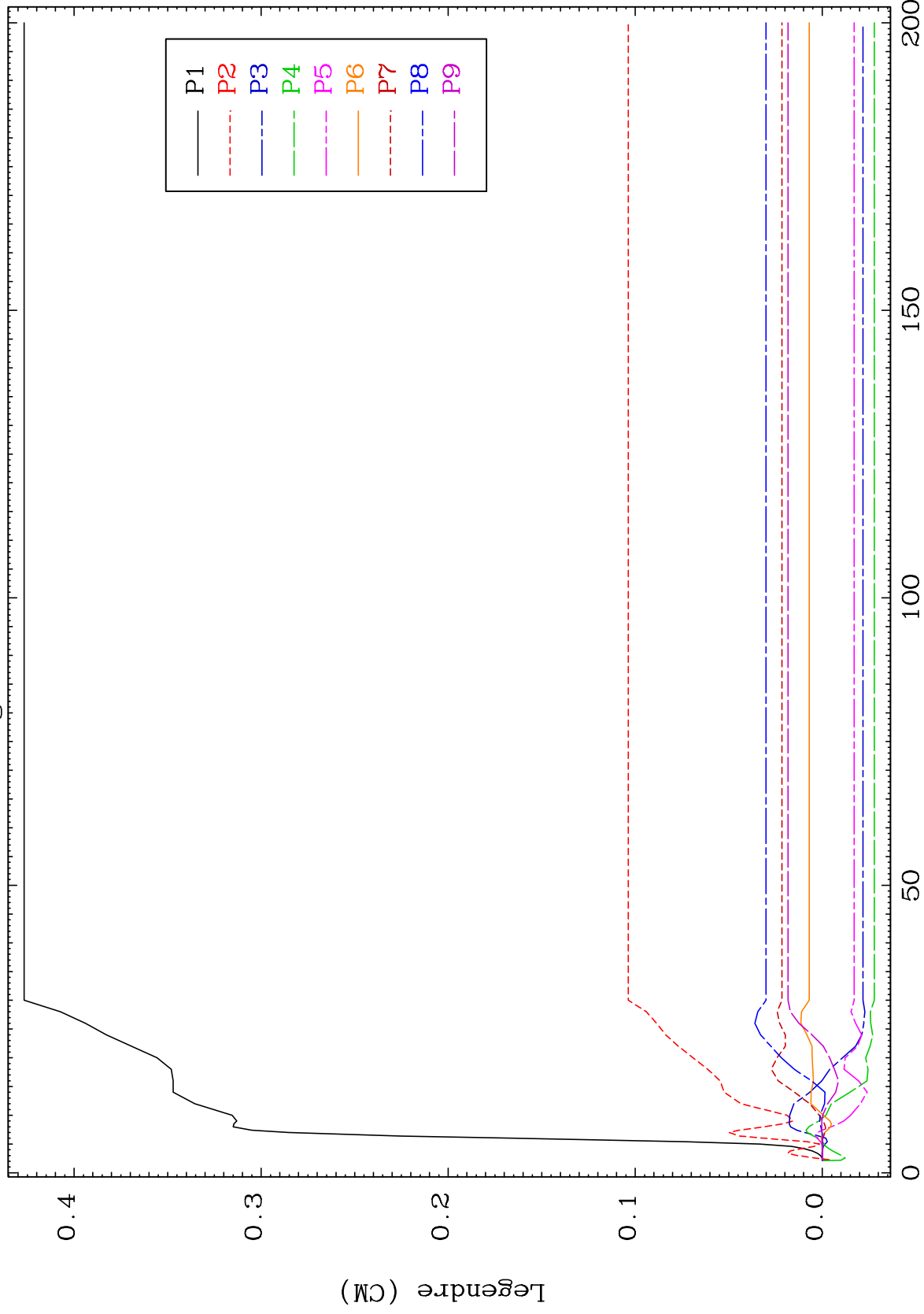




MAT 6213

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

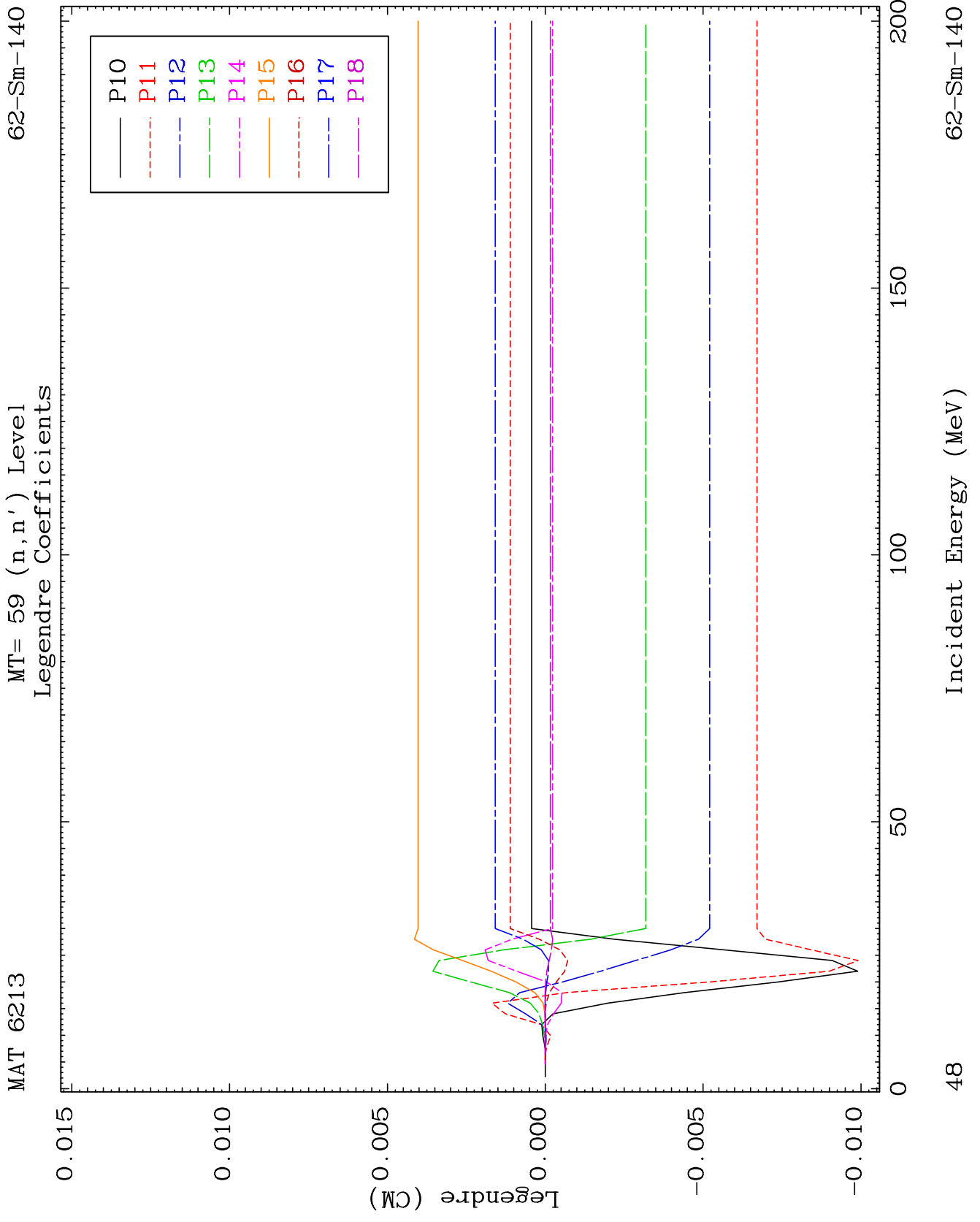
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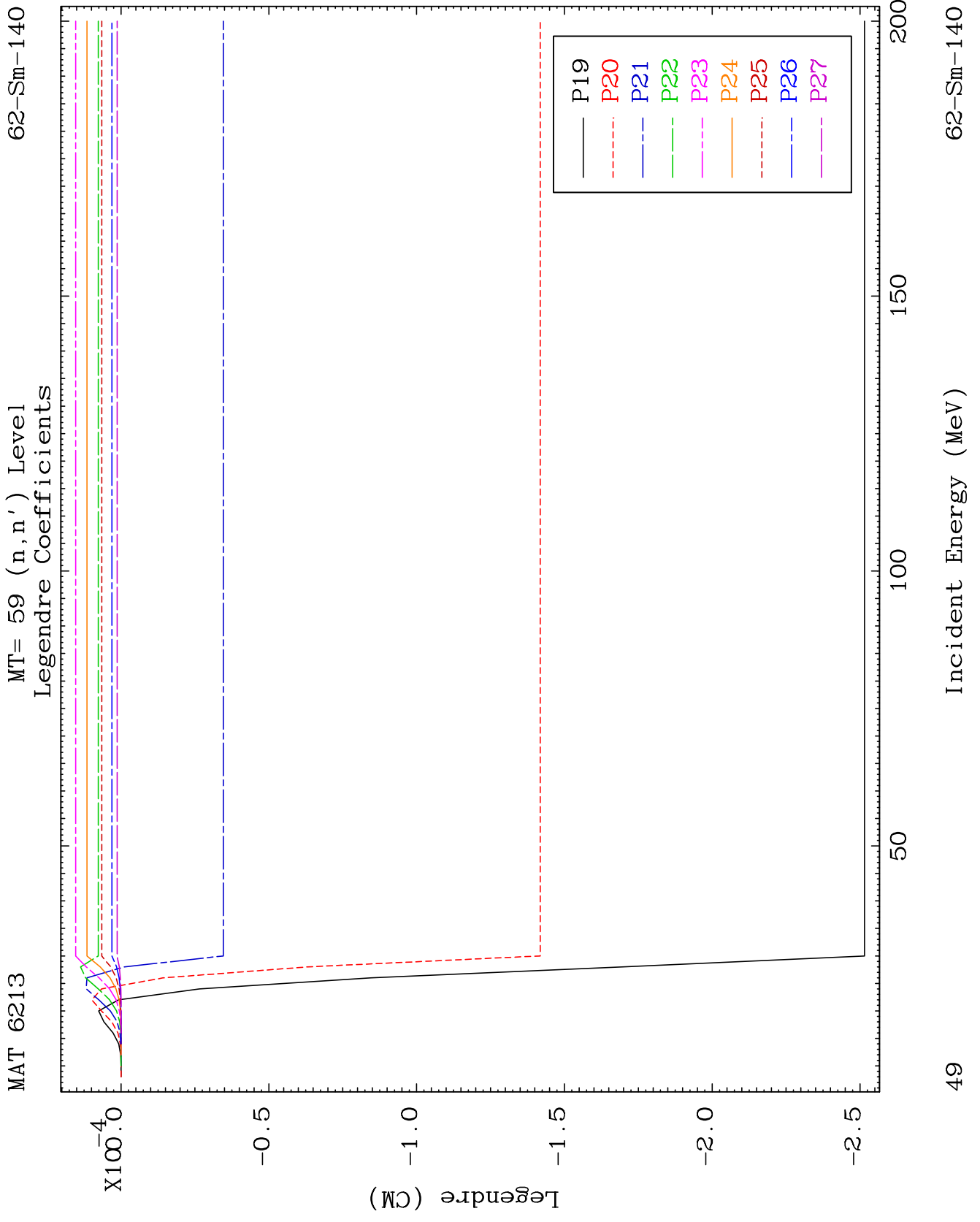


47

Incident Energy (MeV)

62-Sm-140

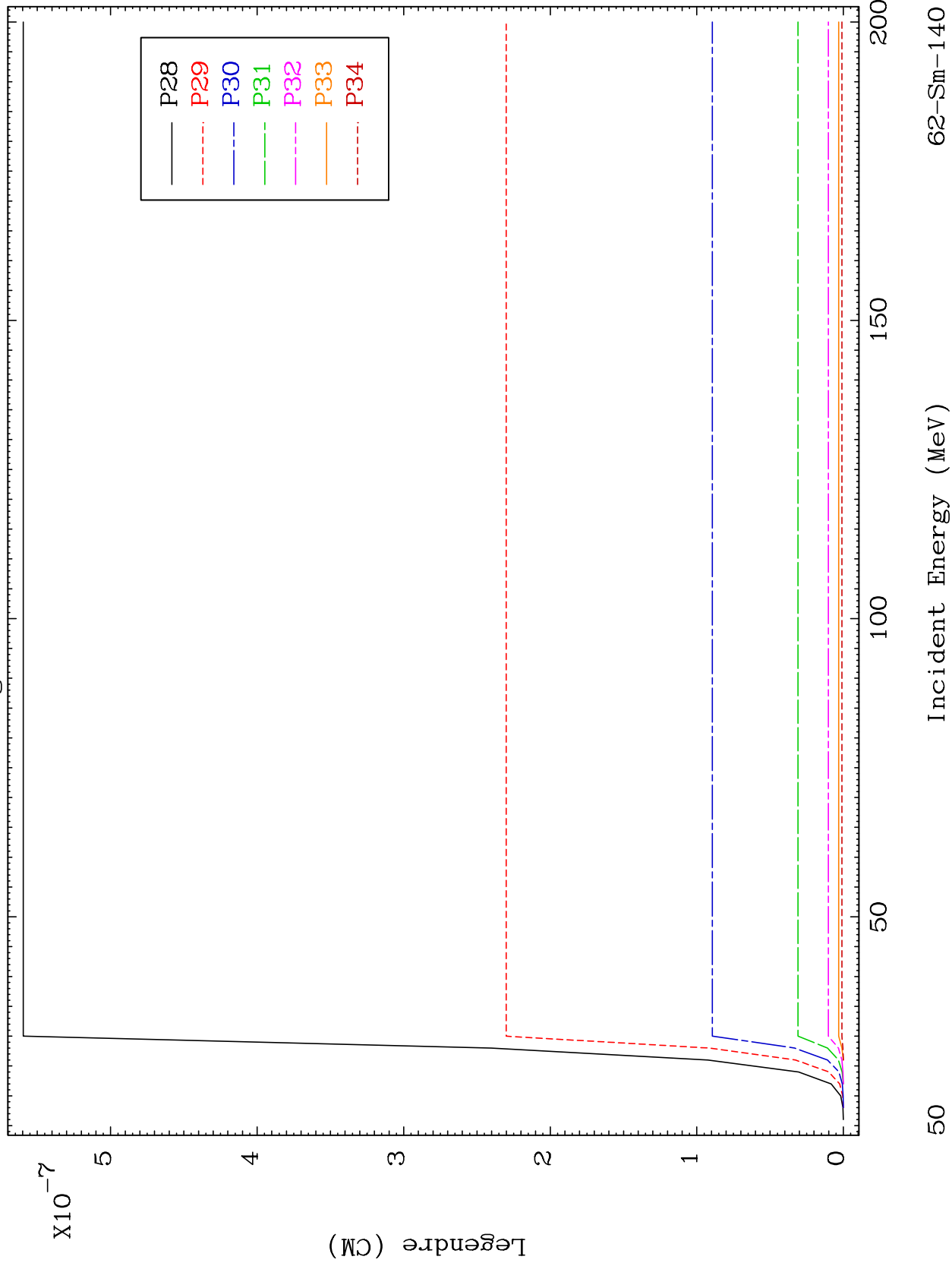


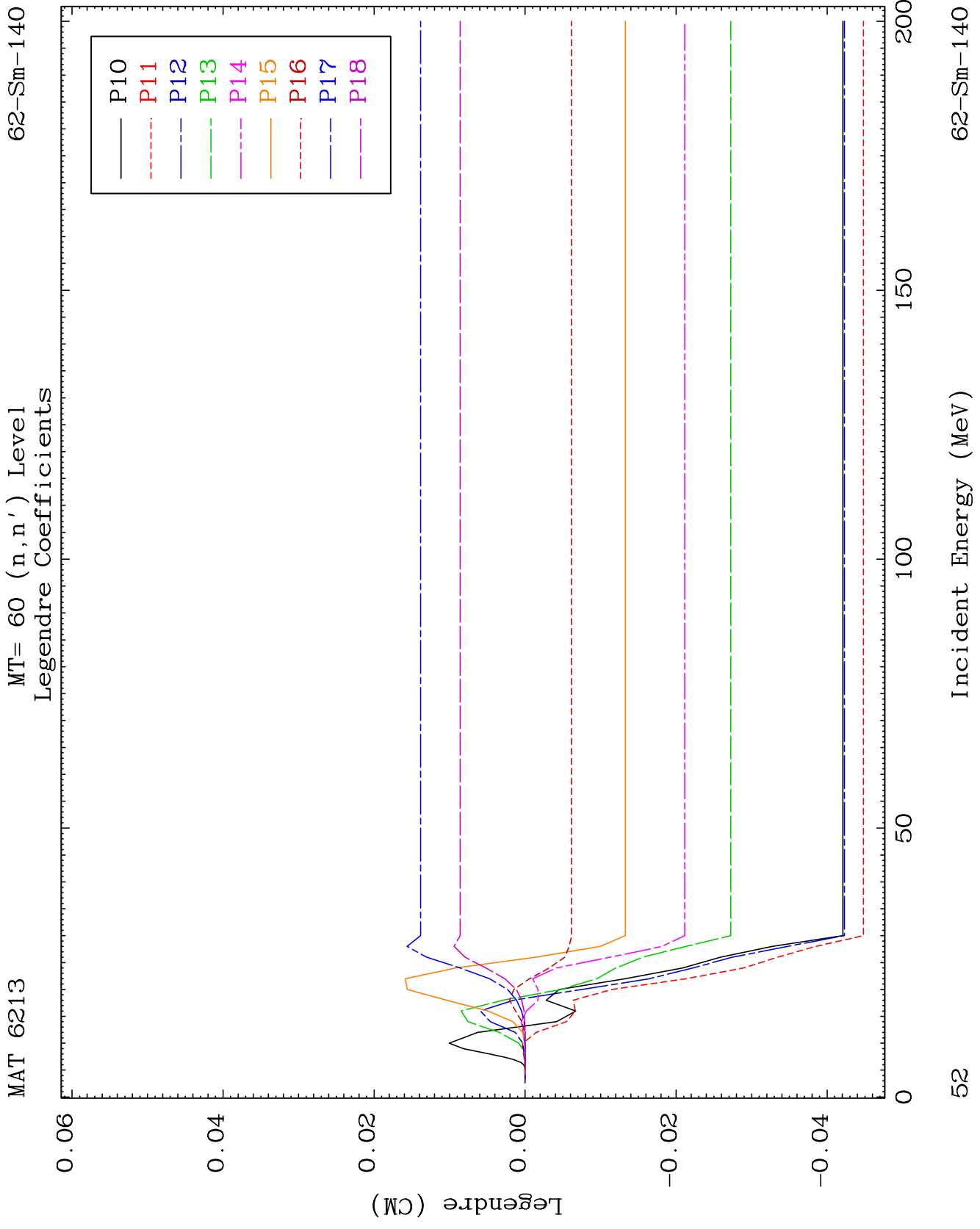


MAT 6213

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

62-Sm-140

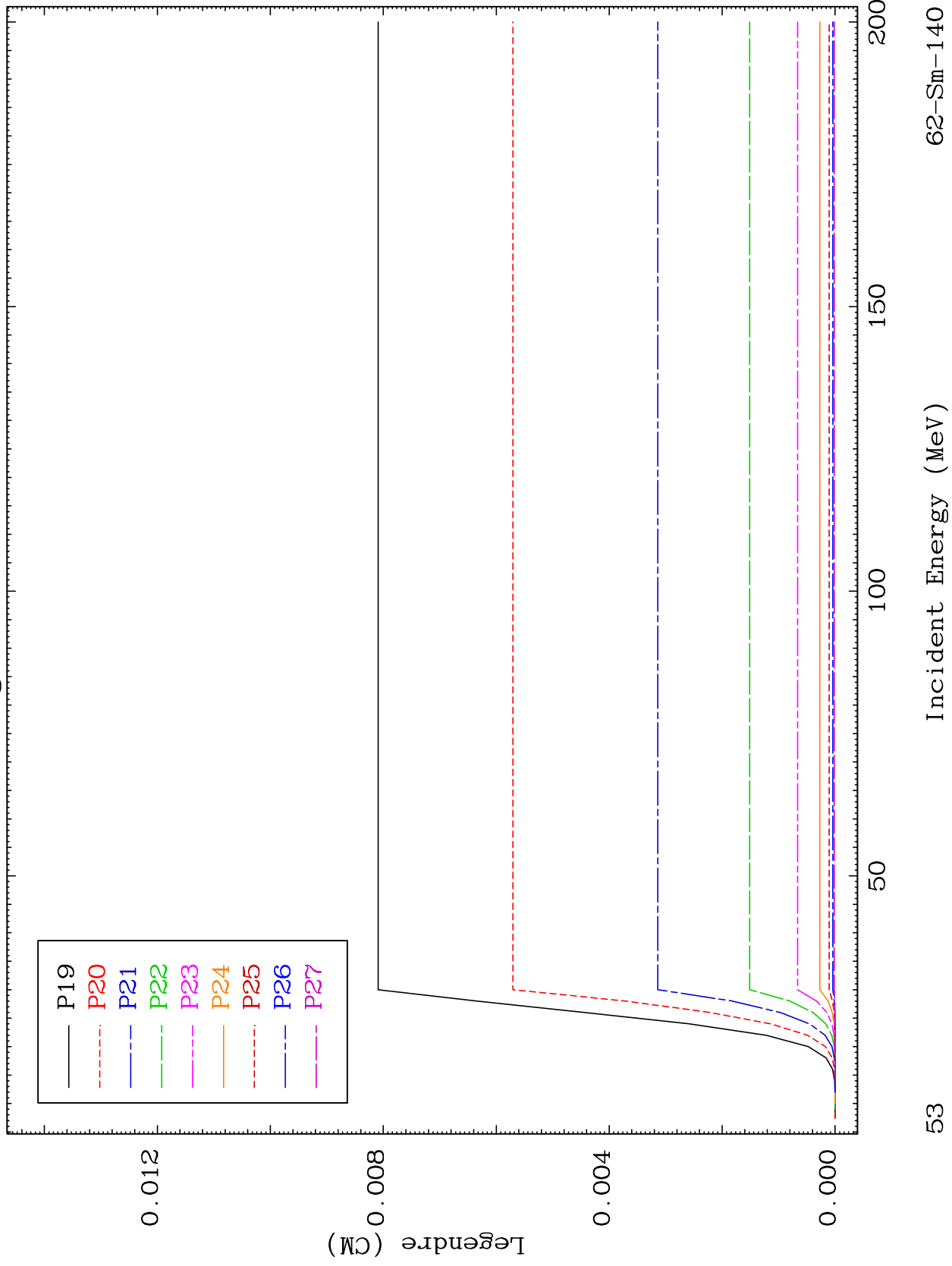




MAT 6213

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

62-Sm-140



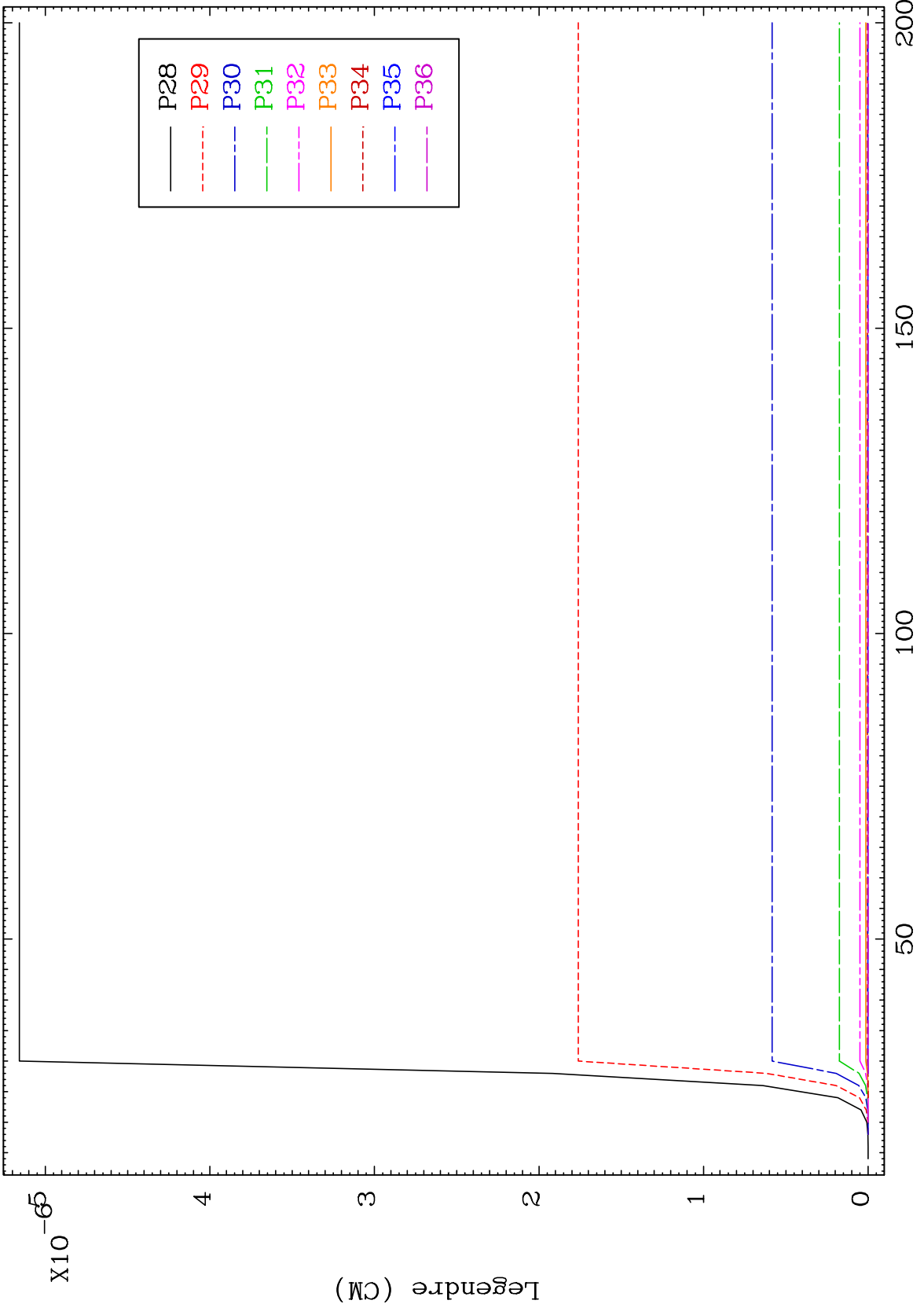
53

62-Sm-140

MAT 6213

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

62-Sm-140



54

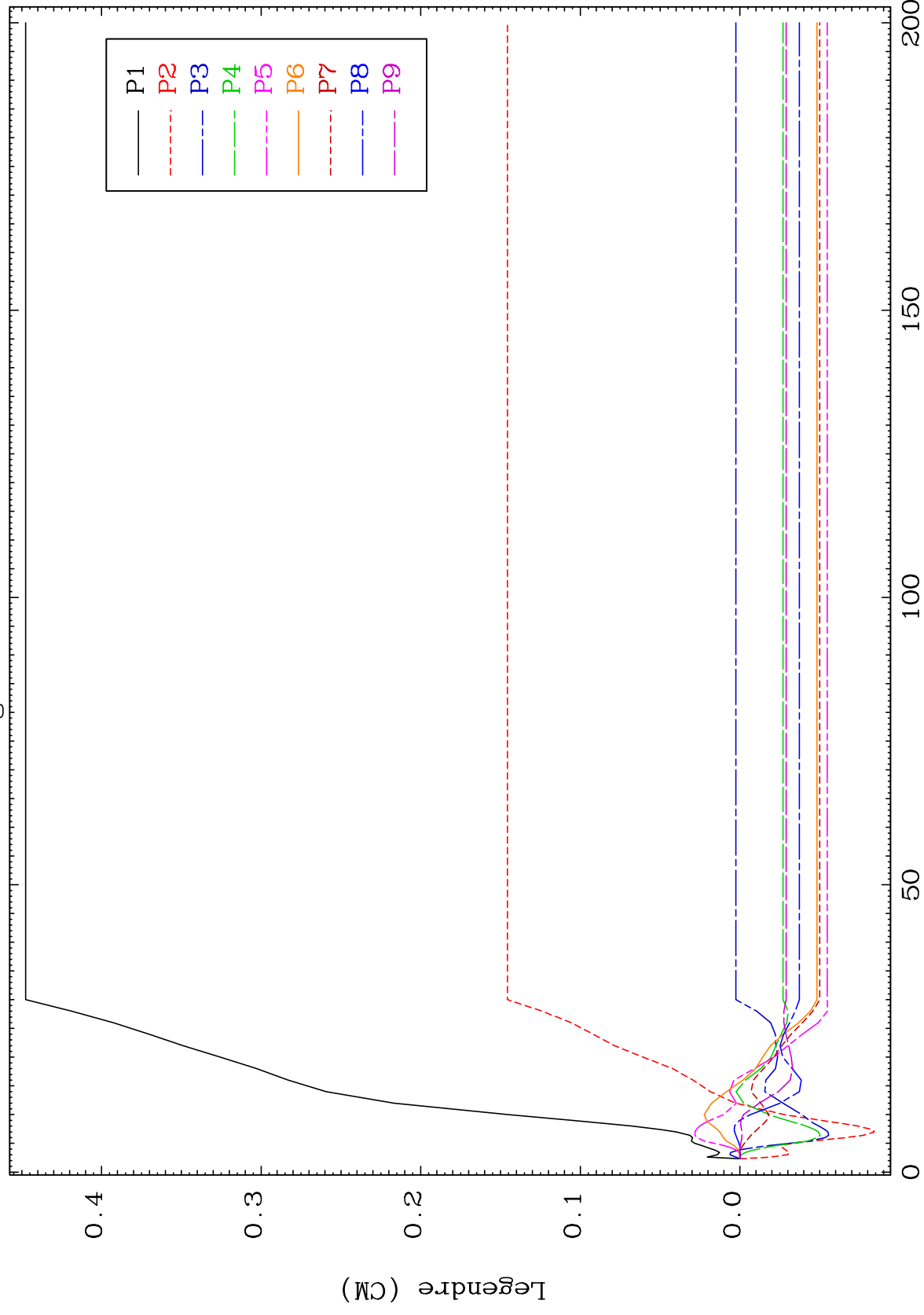
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

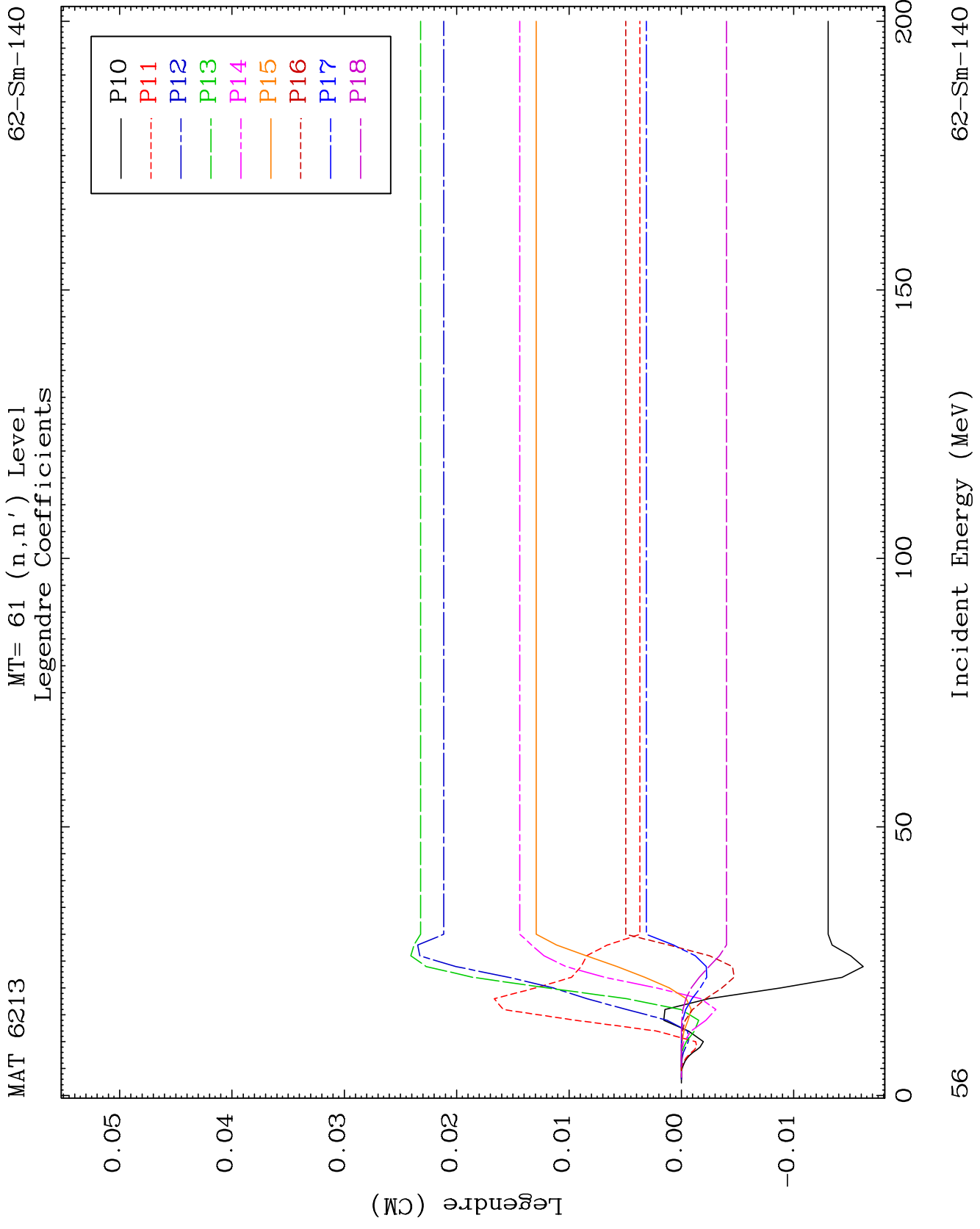
62-Sm-140



62-Sm-140

Incident Energy (MeV)

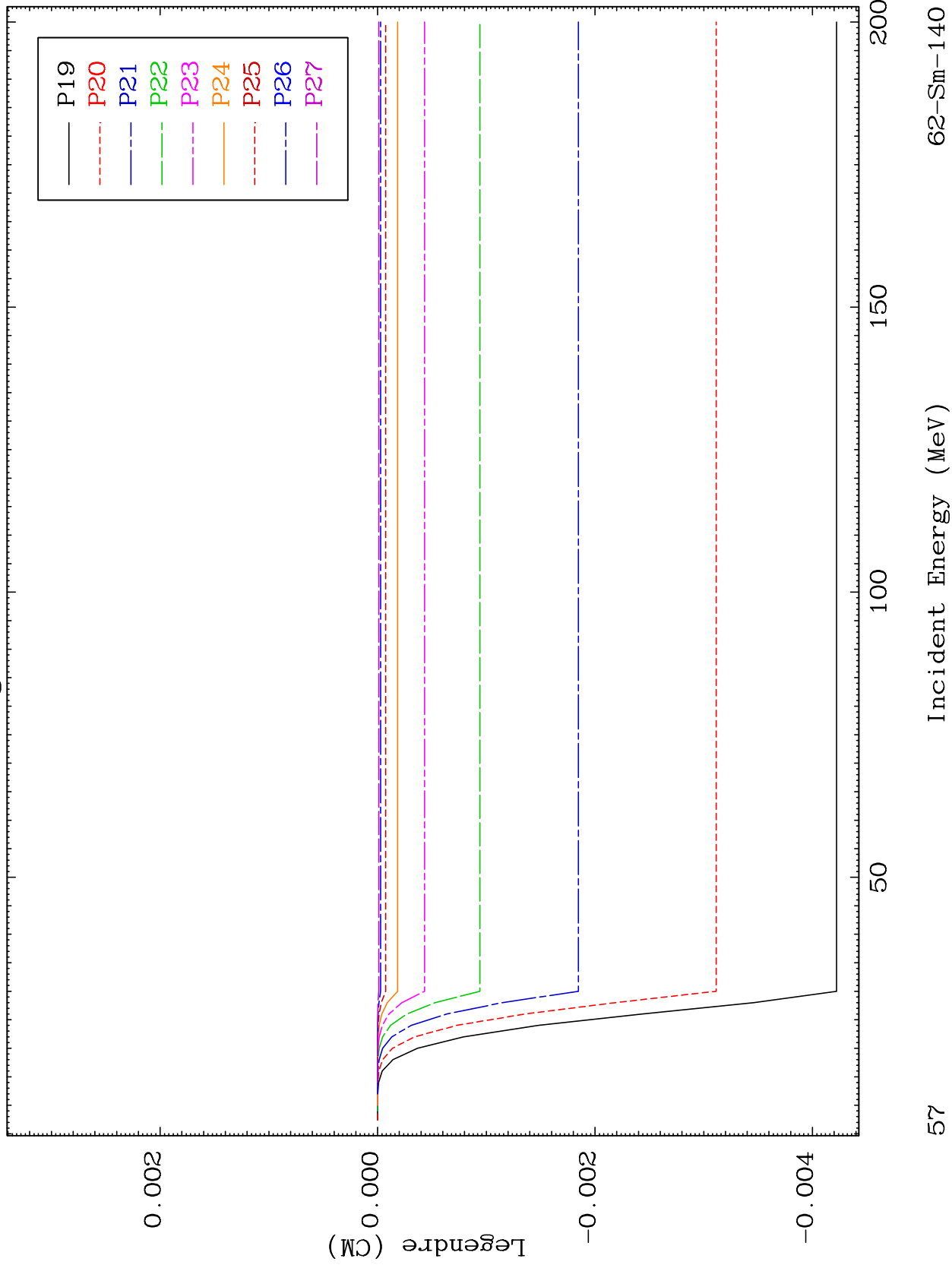
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MAT 6213

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

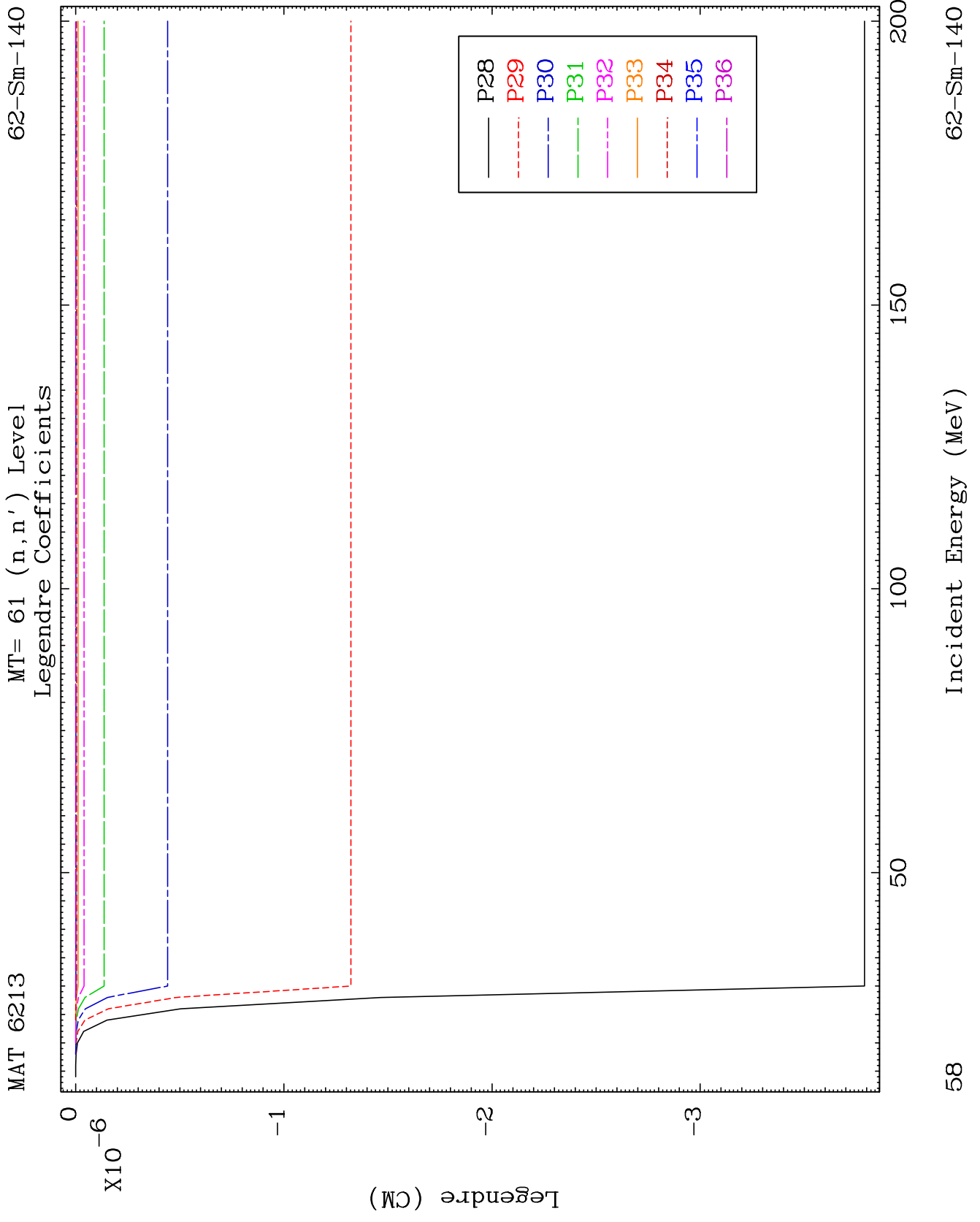
62-Sm-140



57

Incident Energy (MeV)

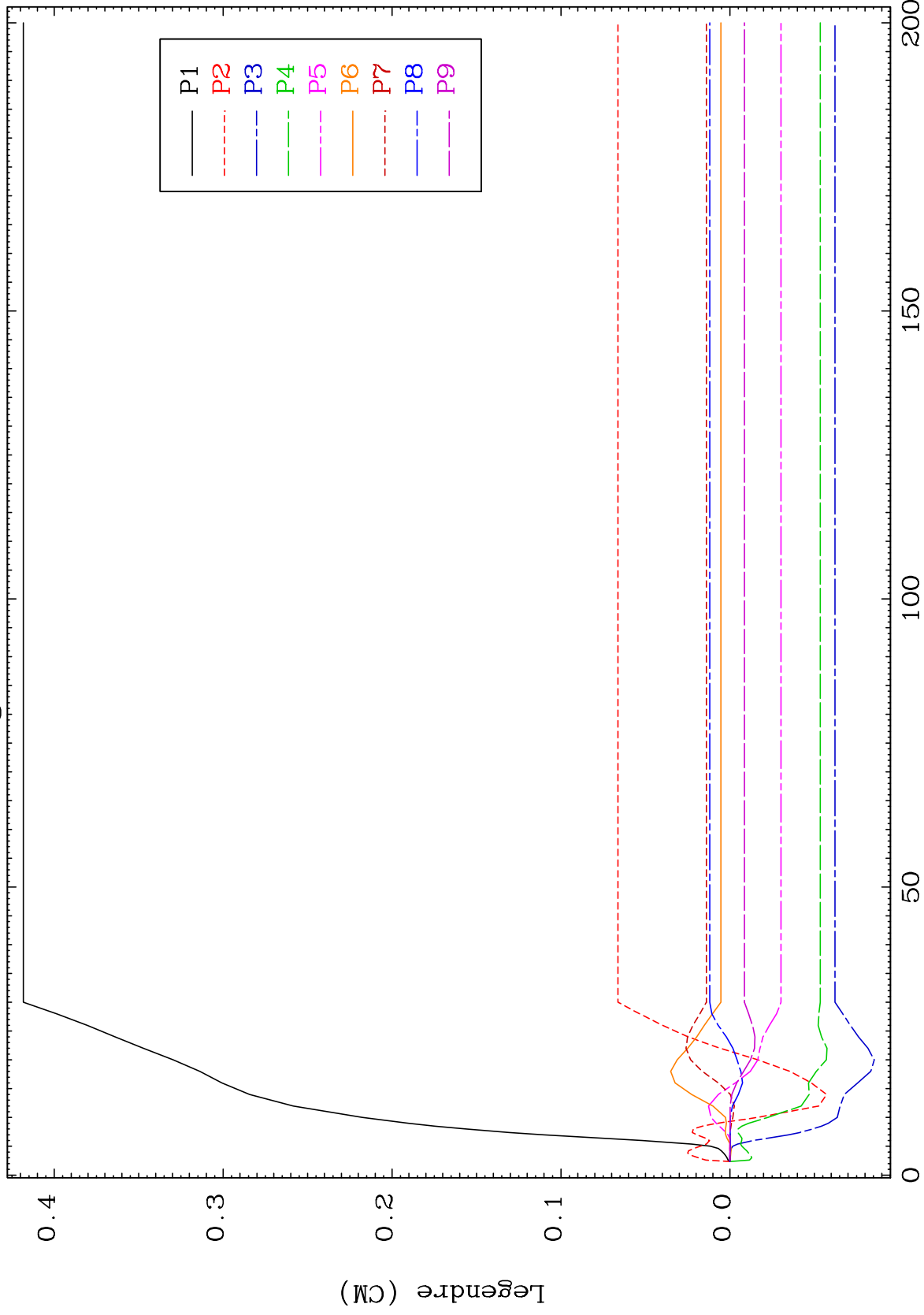
62-Sm-140



MAT 6213

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

62-Sm-140



59

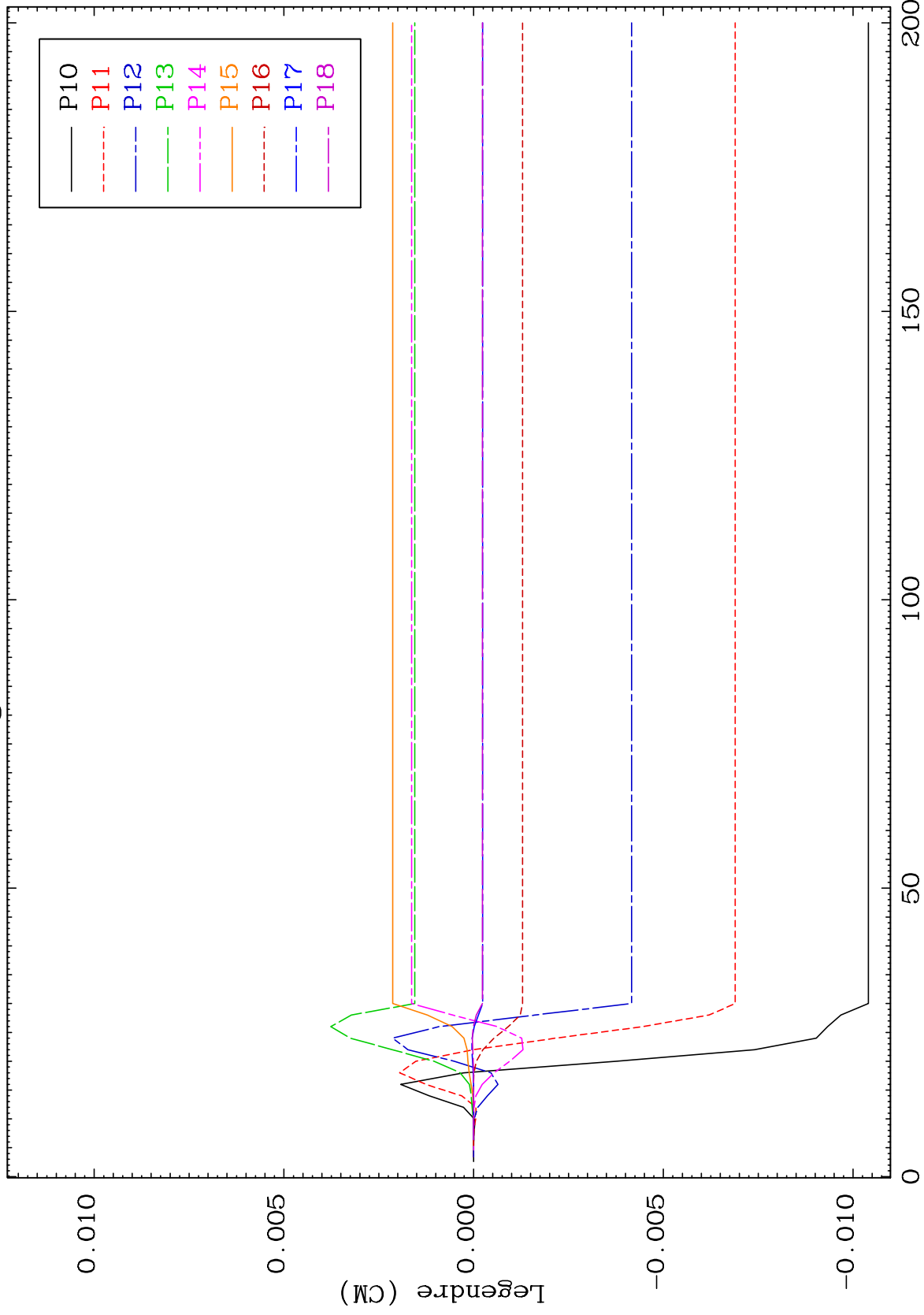
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



60

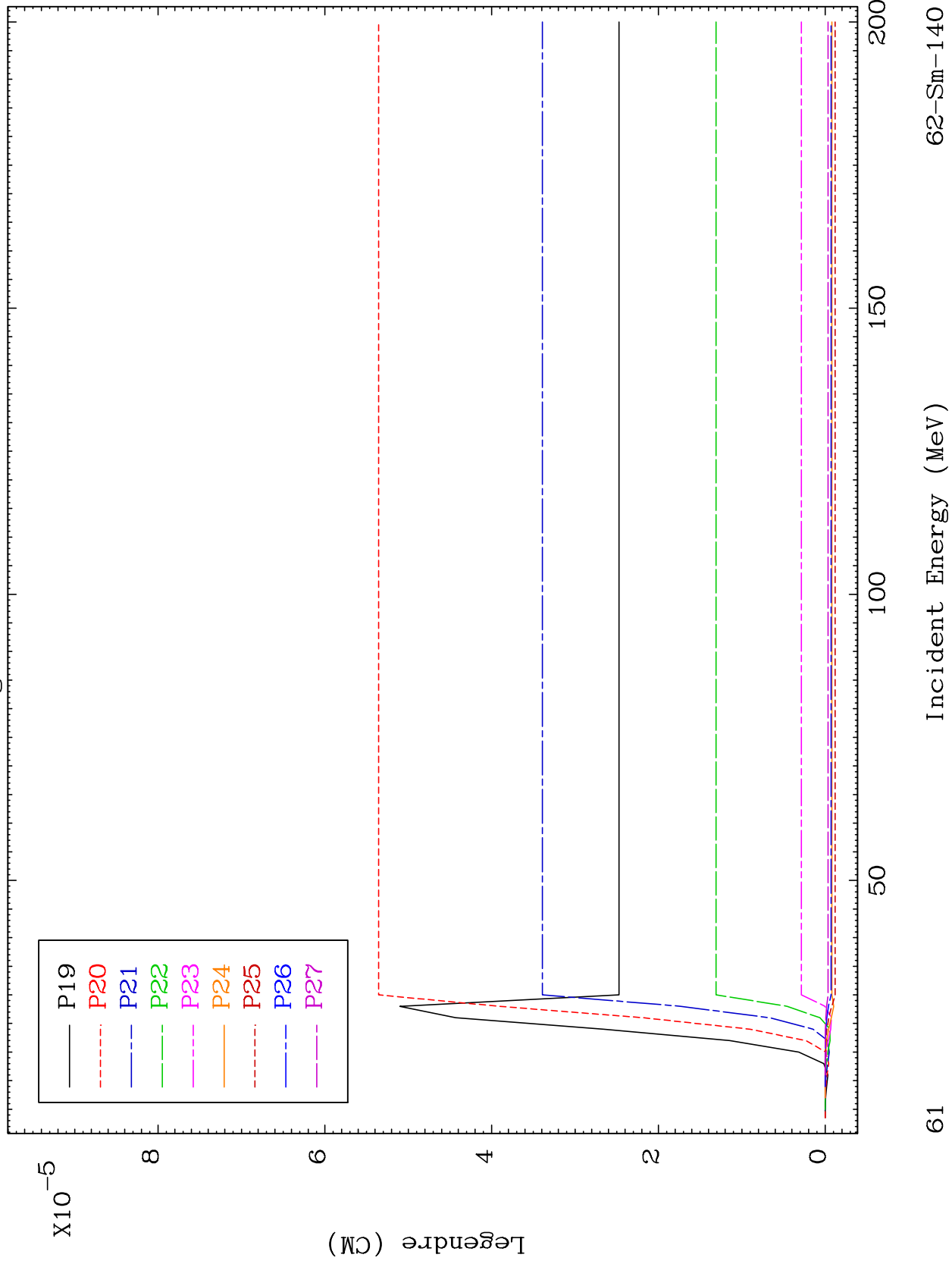
Incident Energy (MeV)

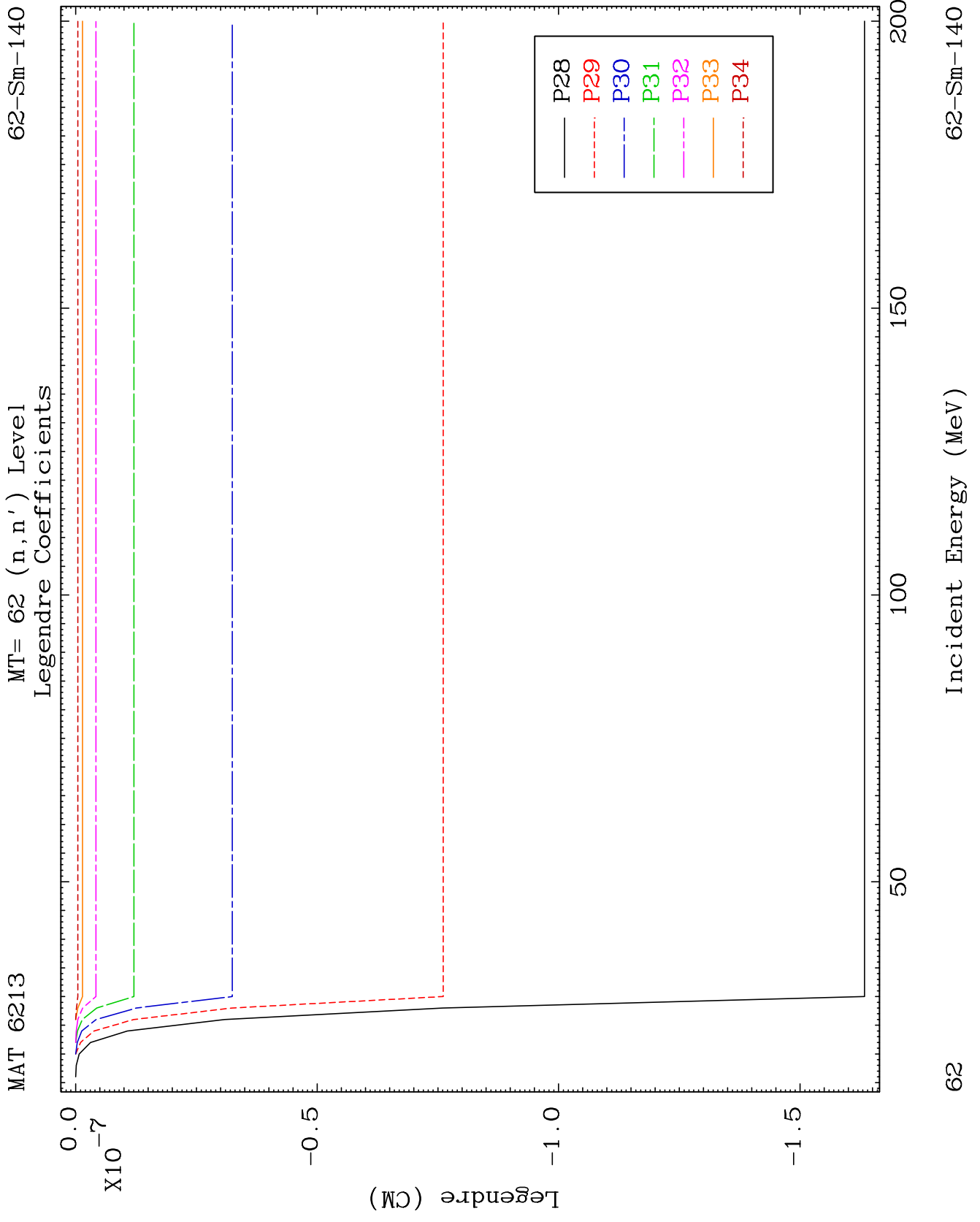
62-Sm-140

MAT 6213

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

62-Sm-140

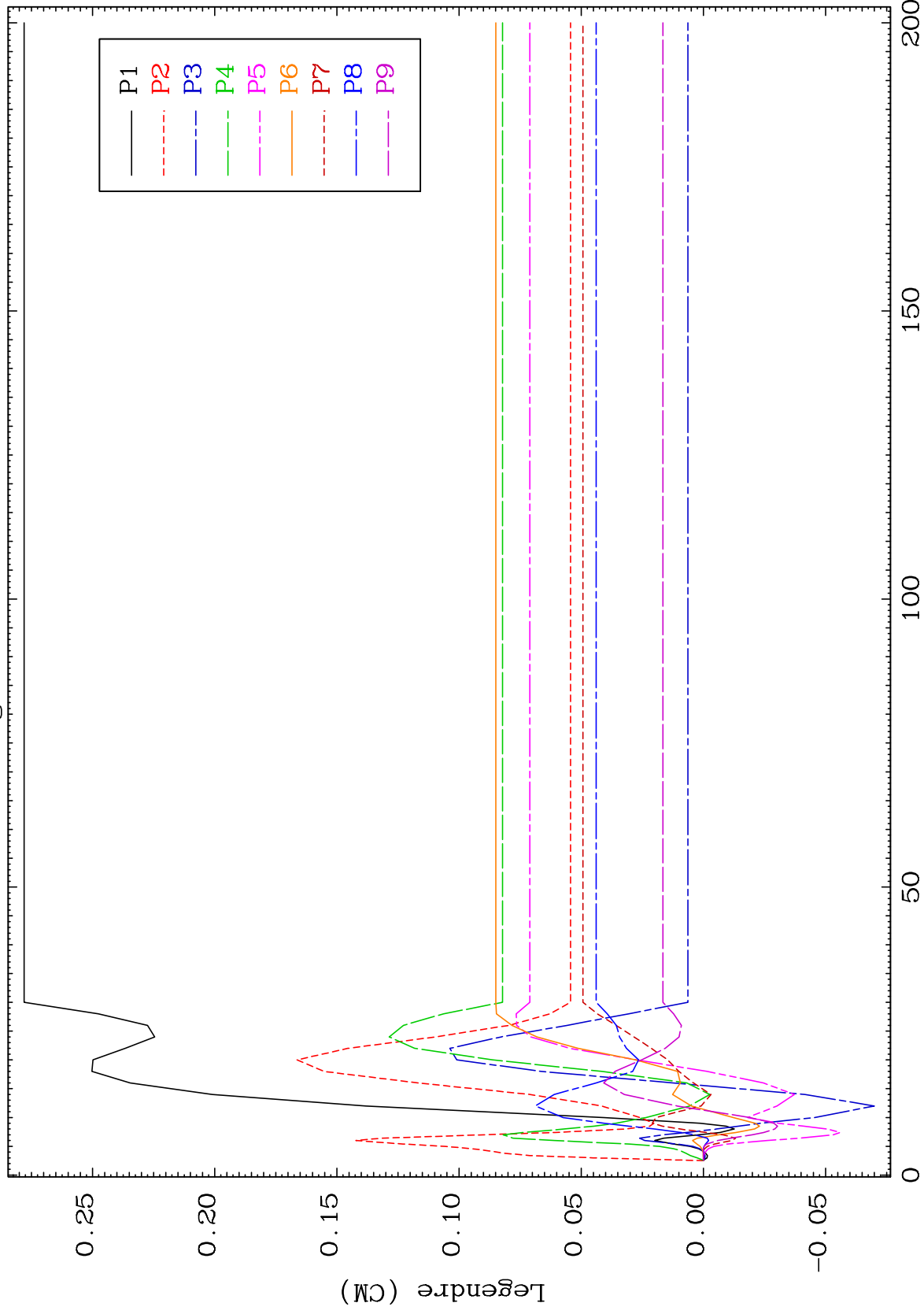




MAT 6213

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

62-Sm-140



63

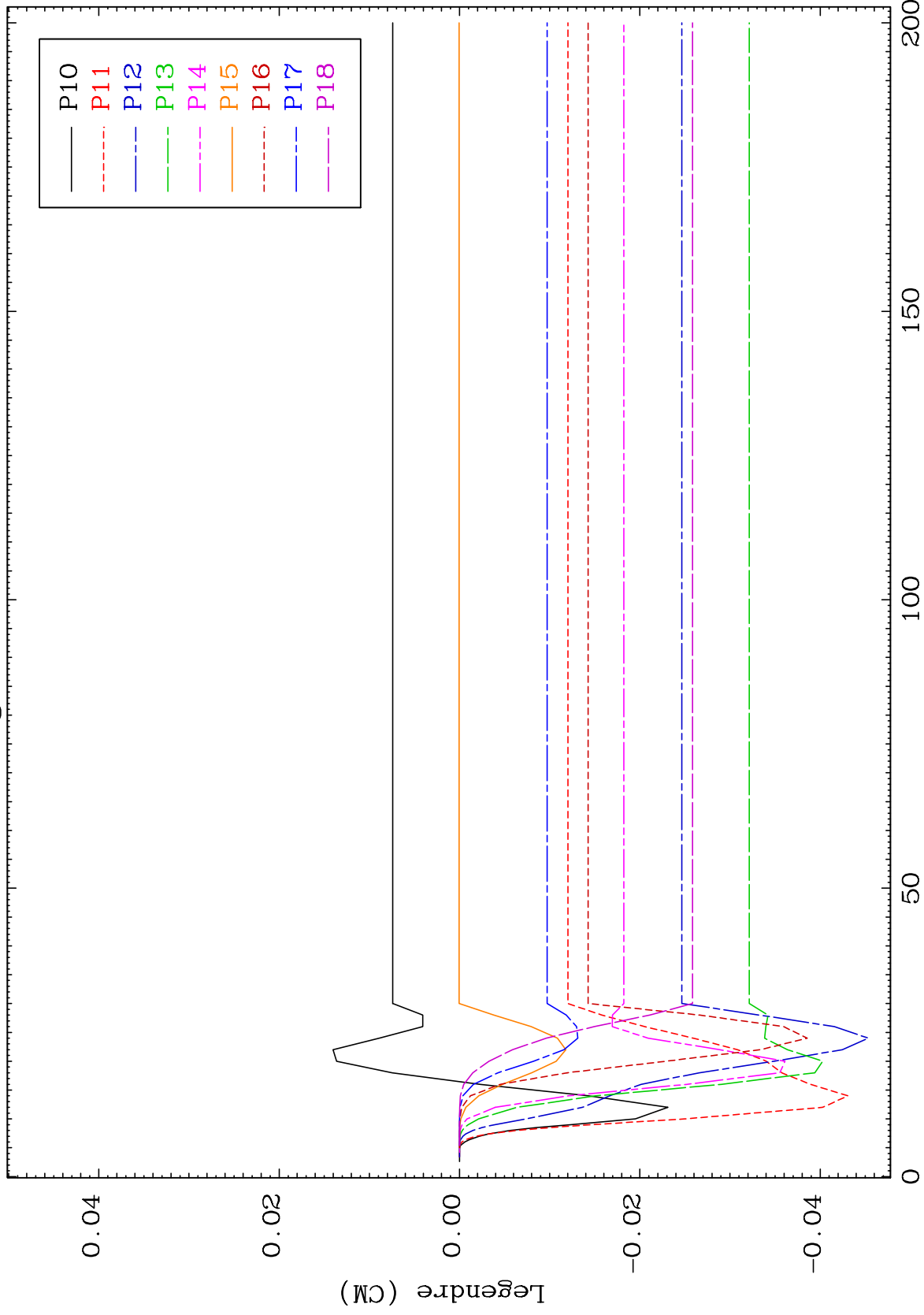
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

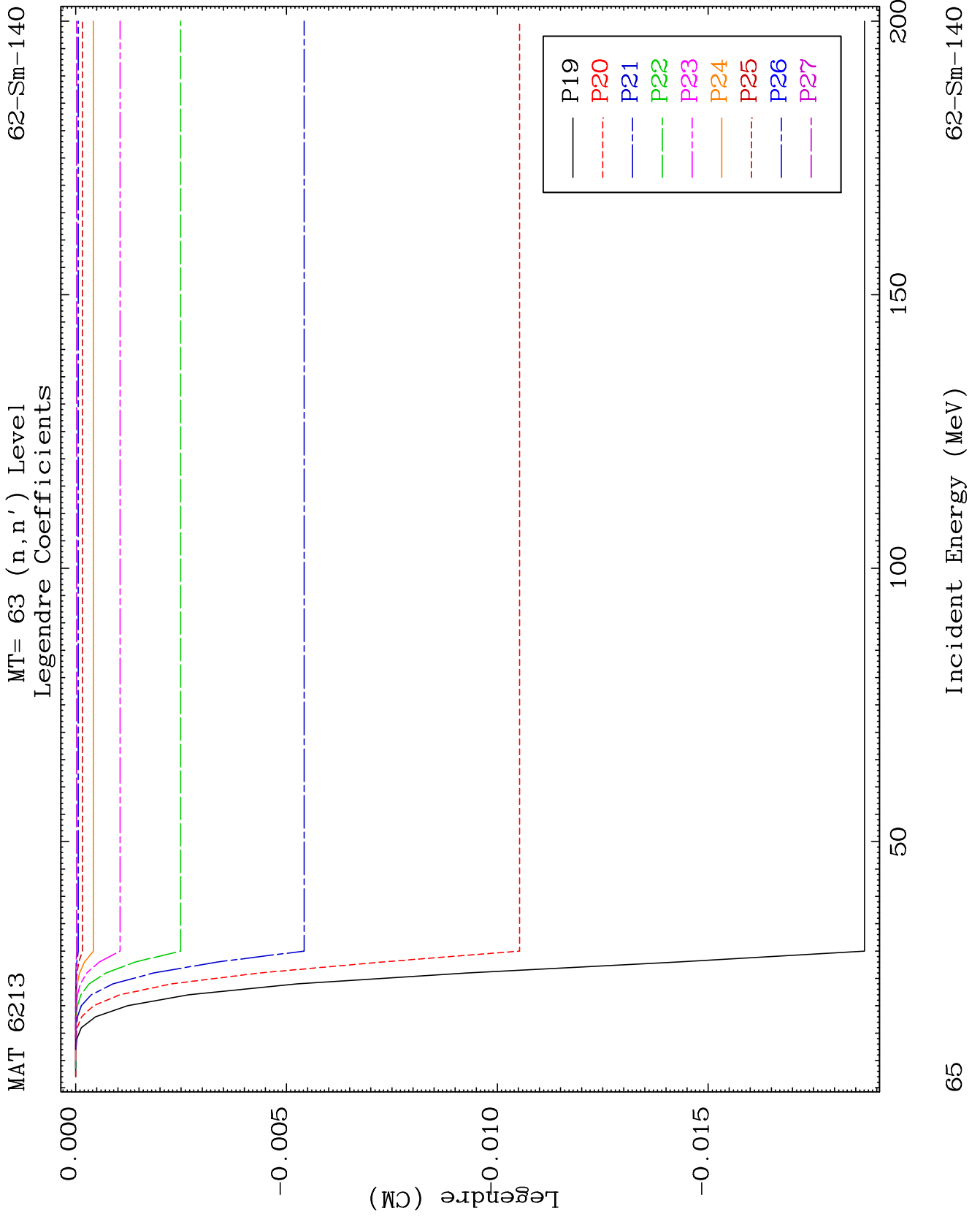
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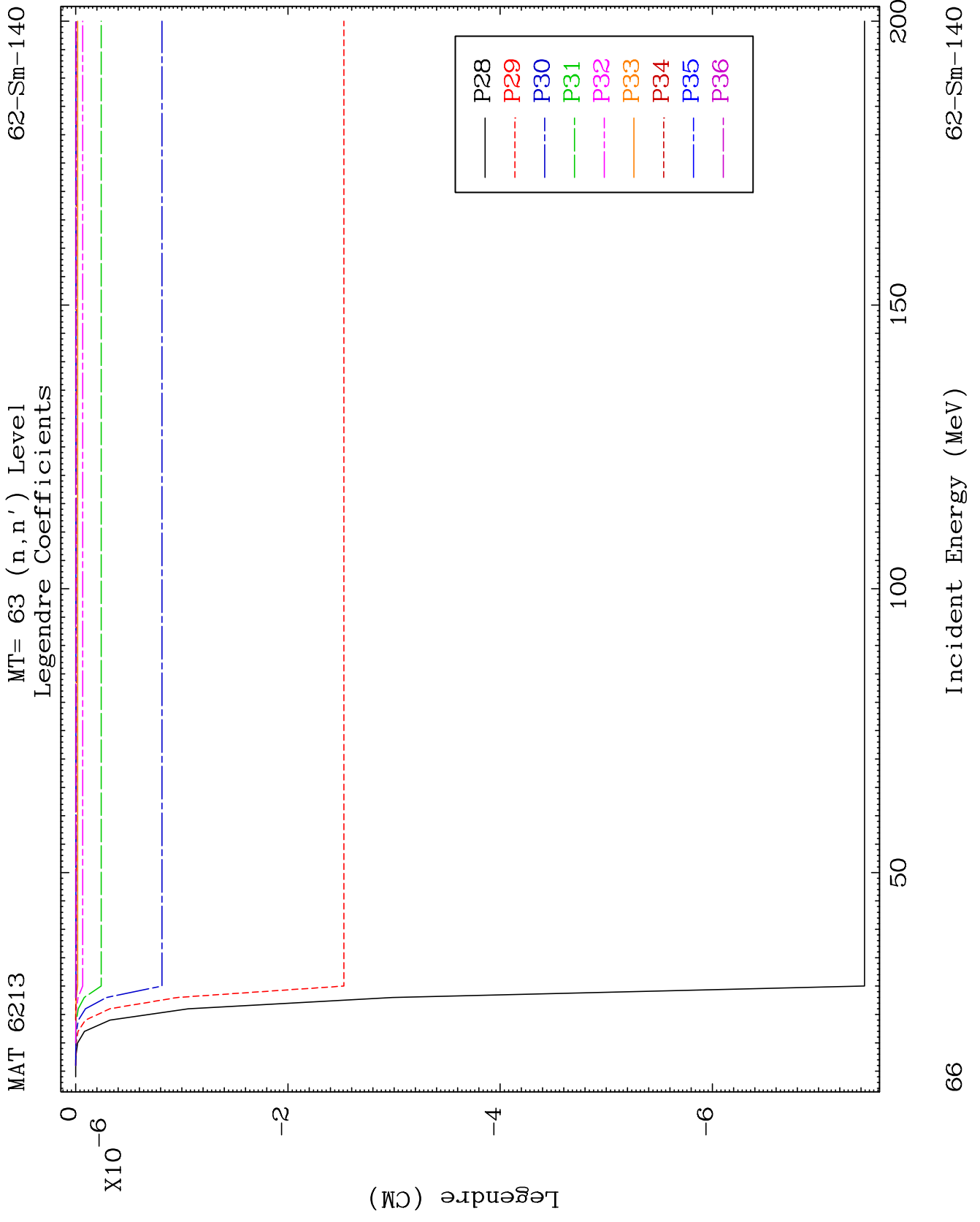


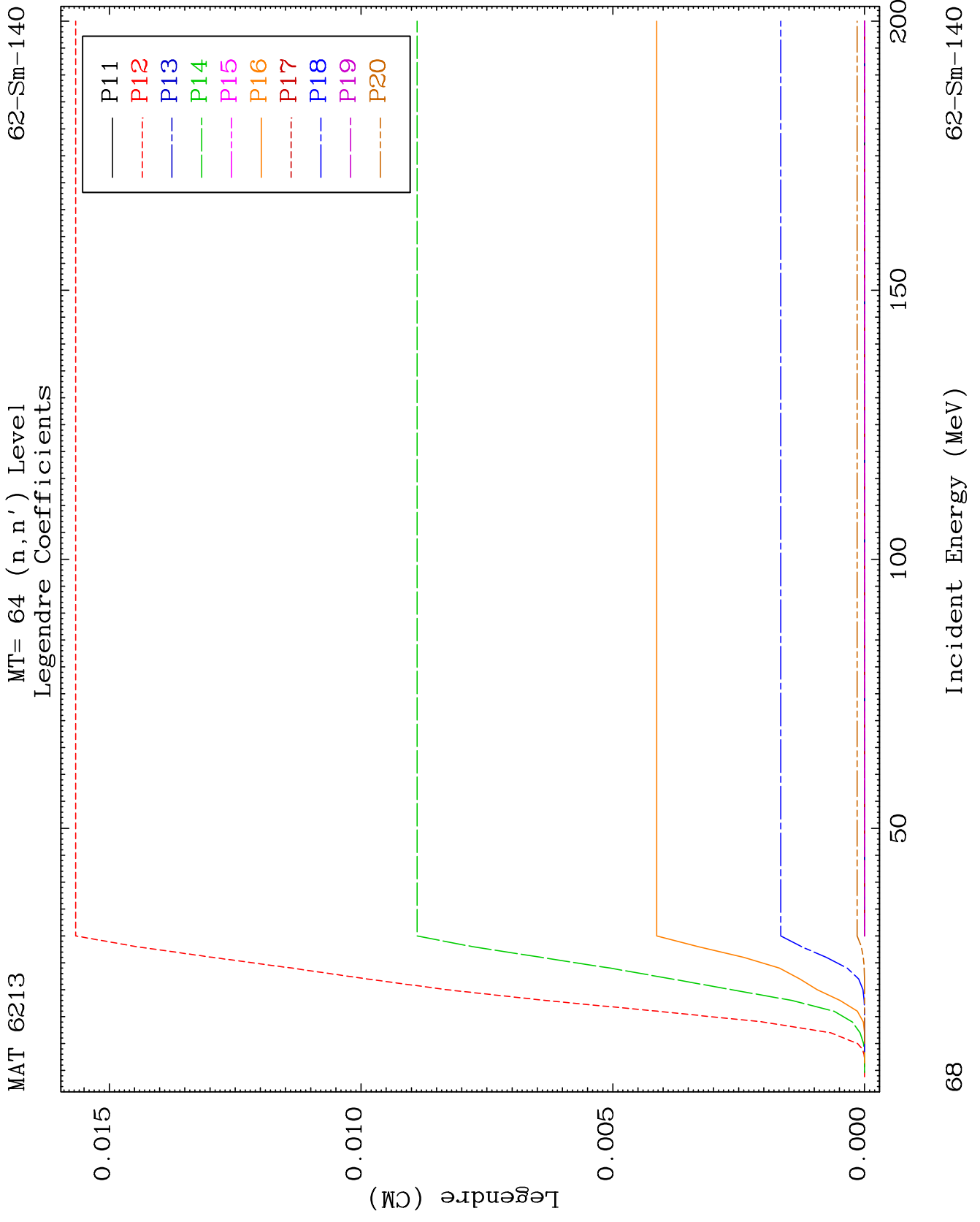
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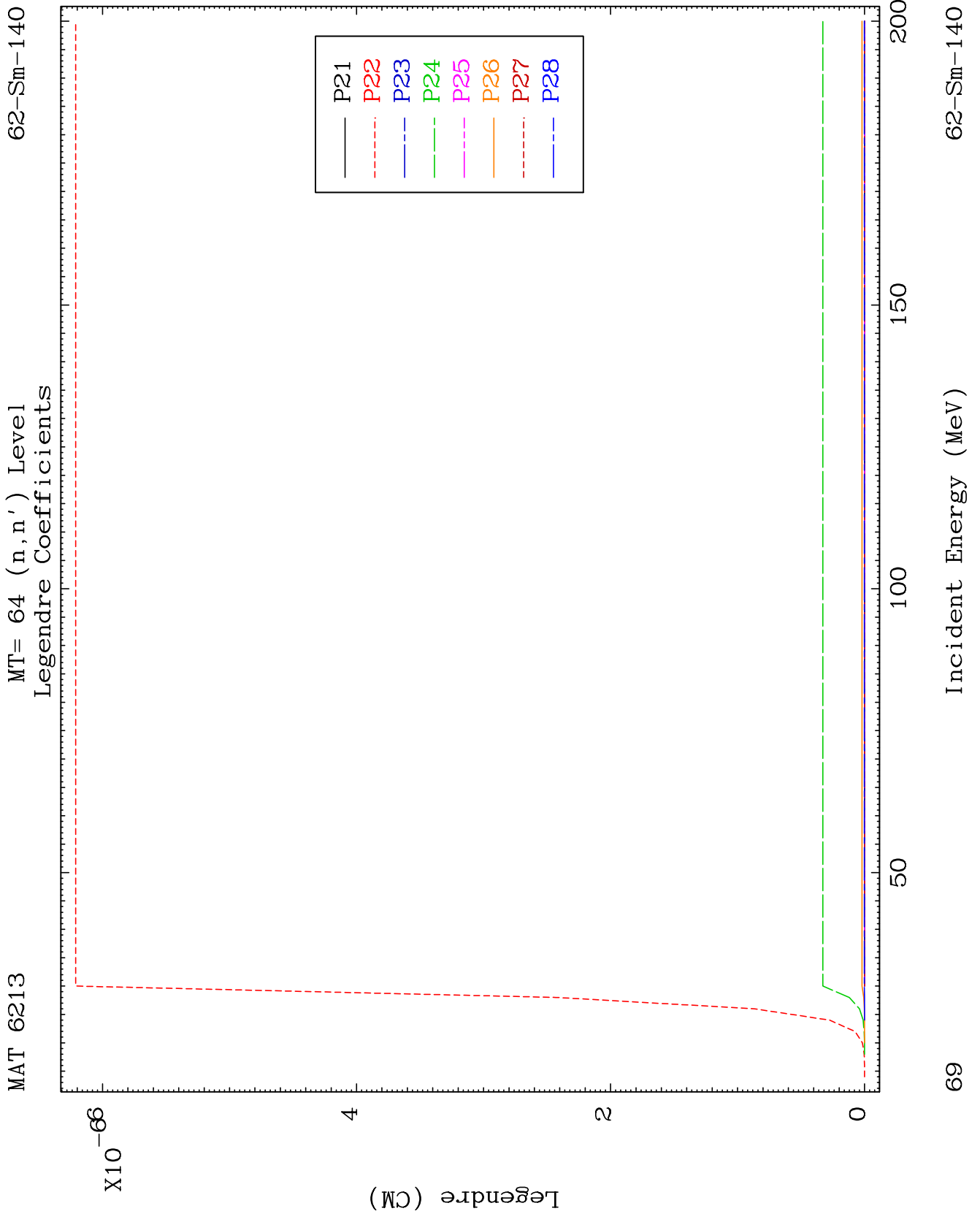
Incident Energy (MeV)

62-Sm-140





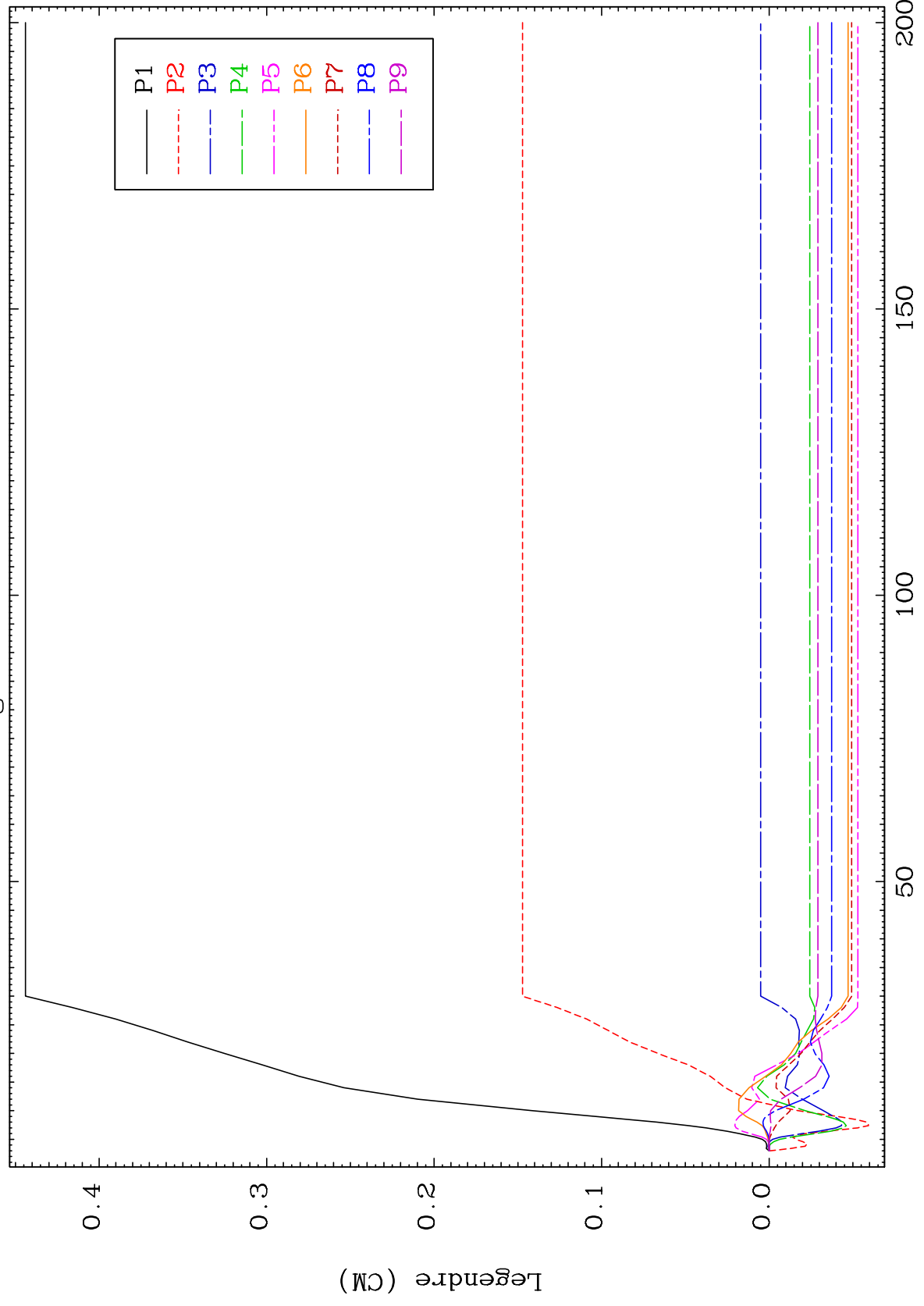




MAT 6213

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

62-Sm-140



70

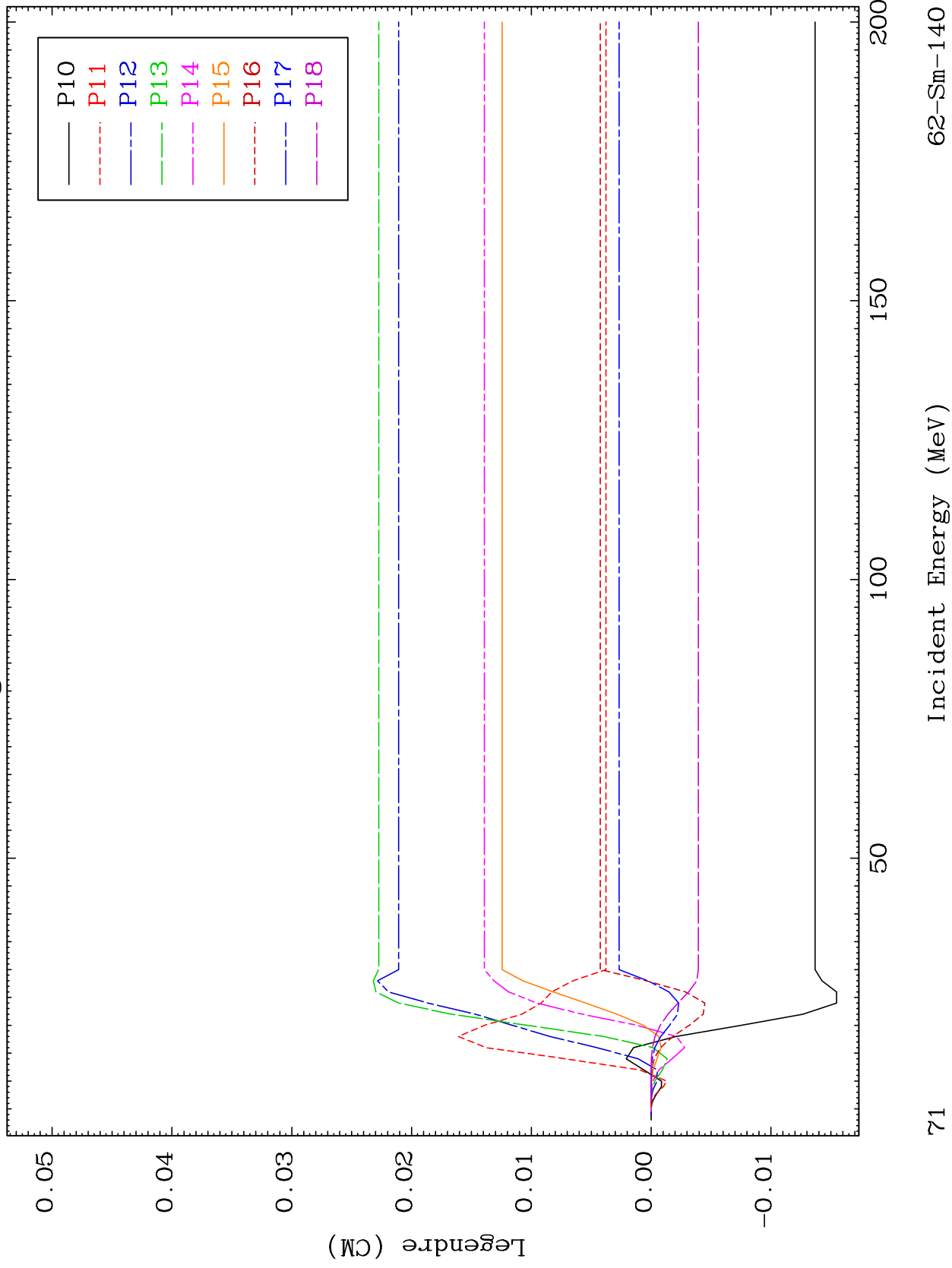
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

62-Sm-140



71

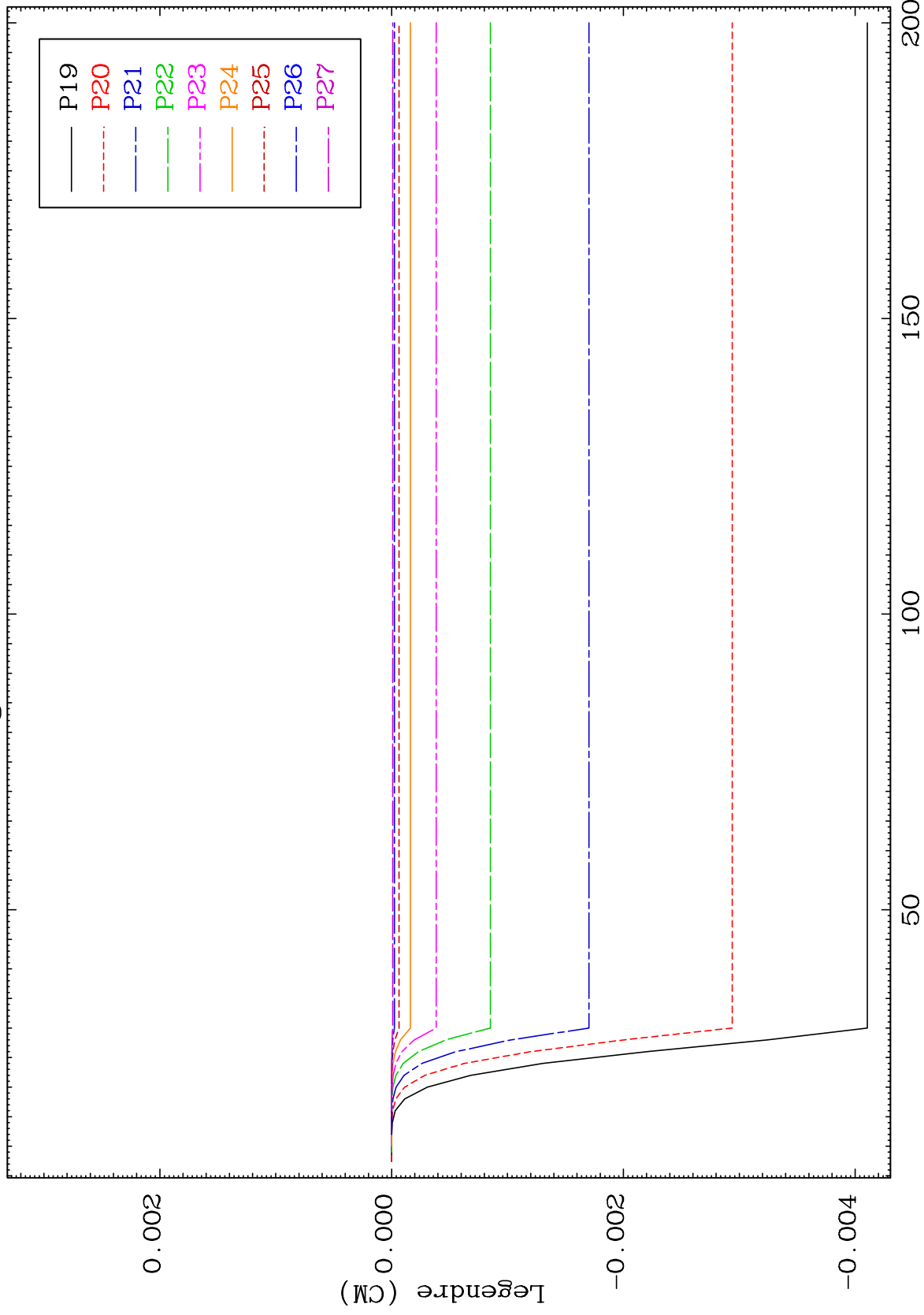
Incident Energy (MeV)

62-Sm-140

MAT 6213

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

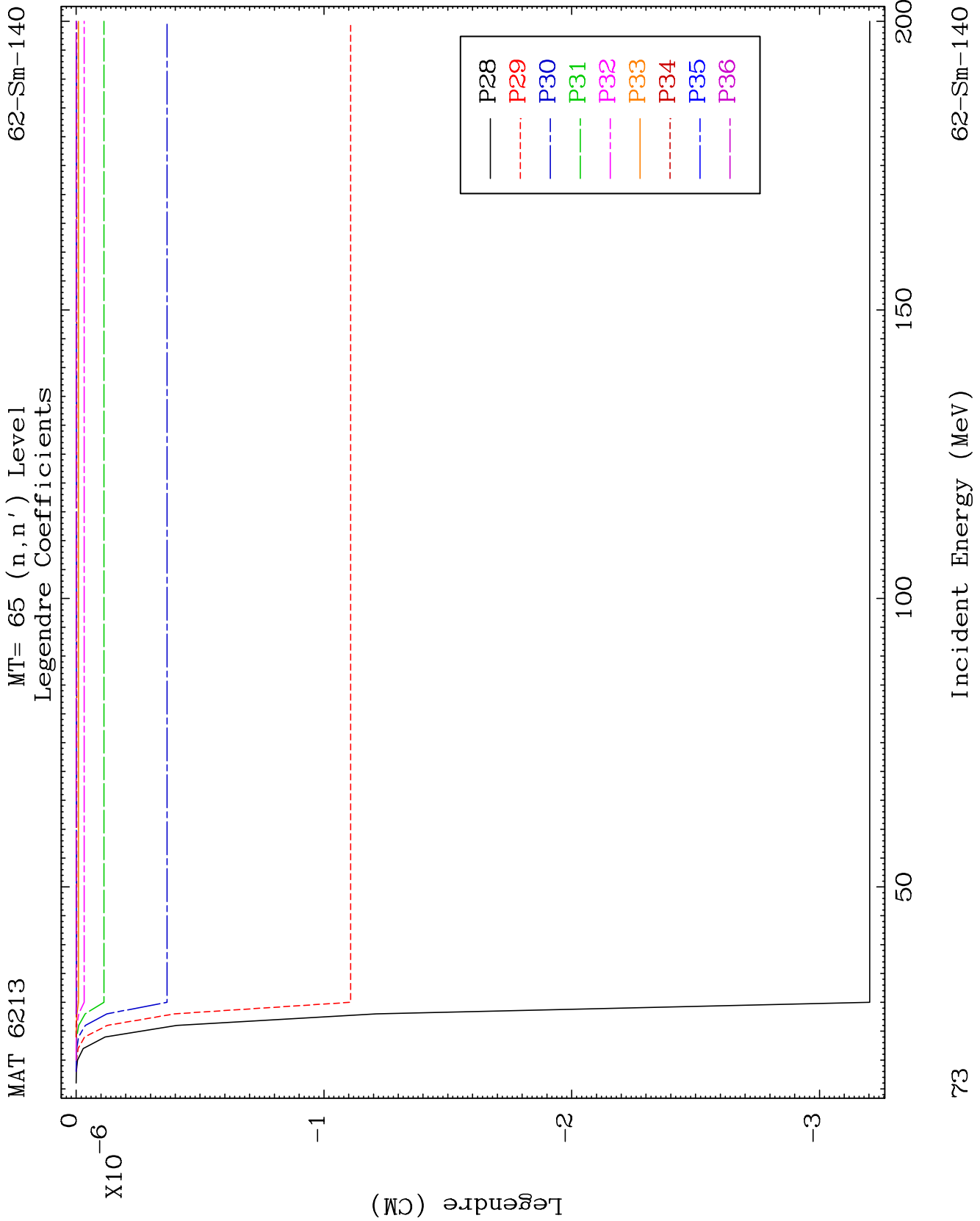
62-Sm-140



72

Incident Energy (MeV)

62-Sm-140

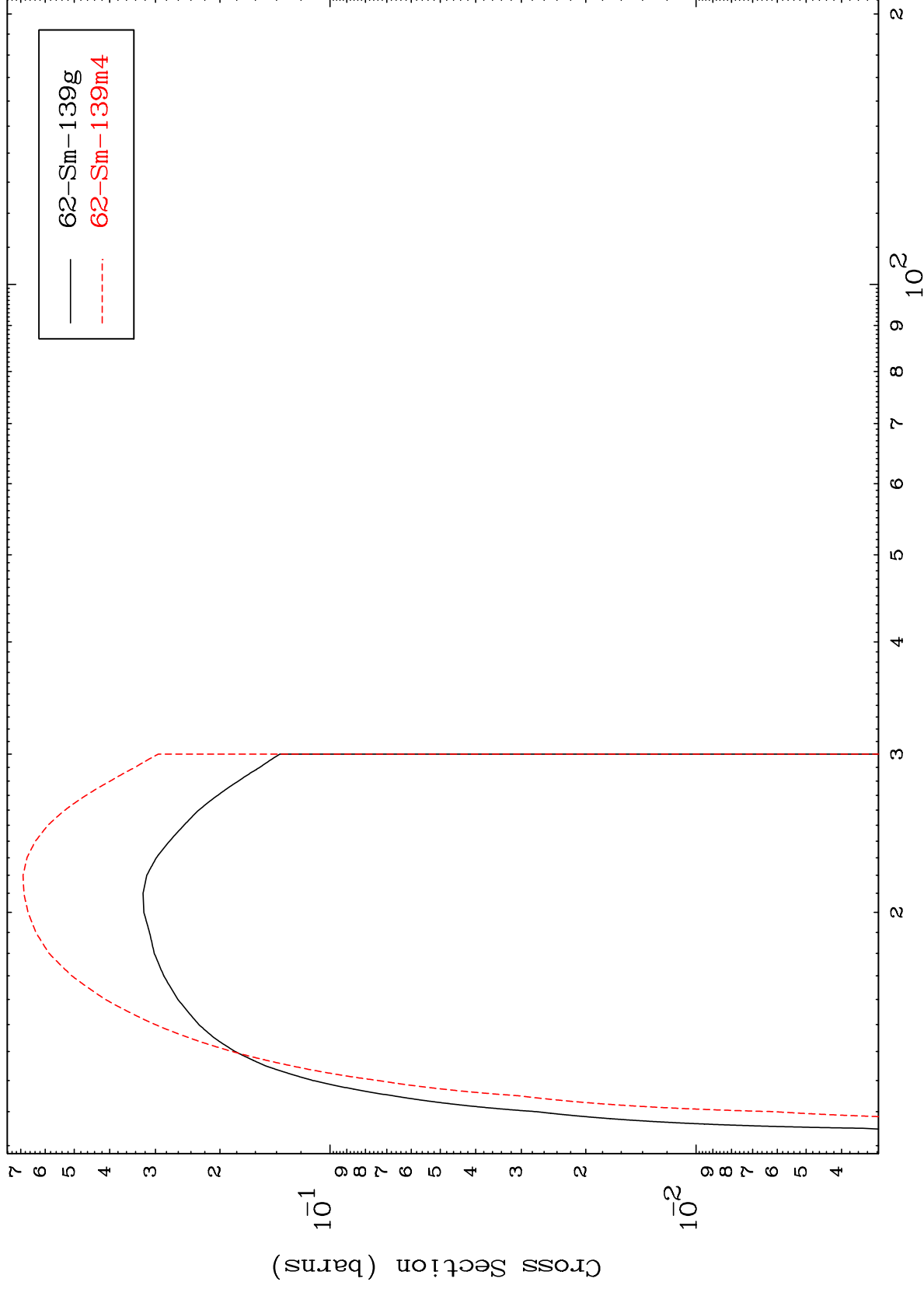


MAT 6213

(n,2n)

62-Sm-140

Radionuclide Production Cross Section



74

Incident Energy (MeV)

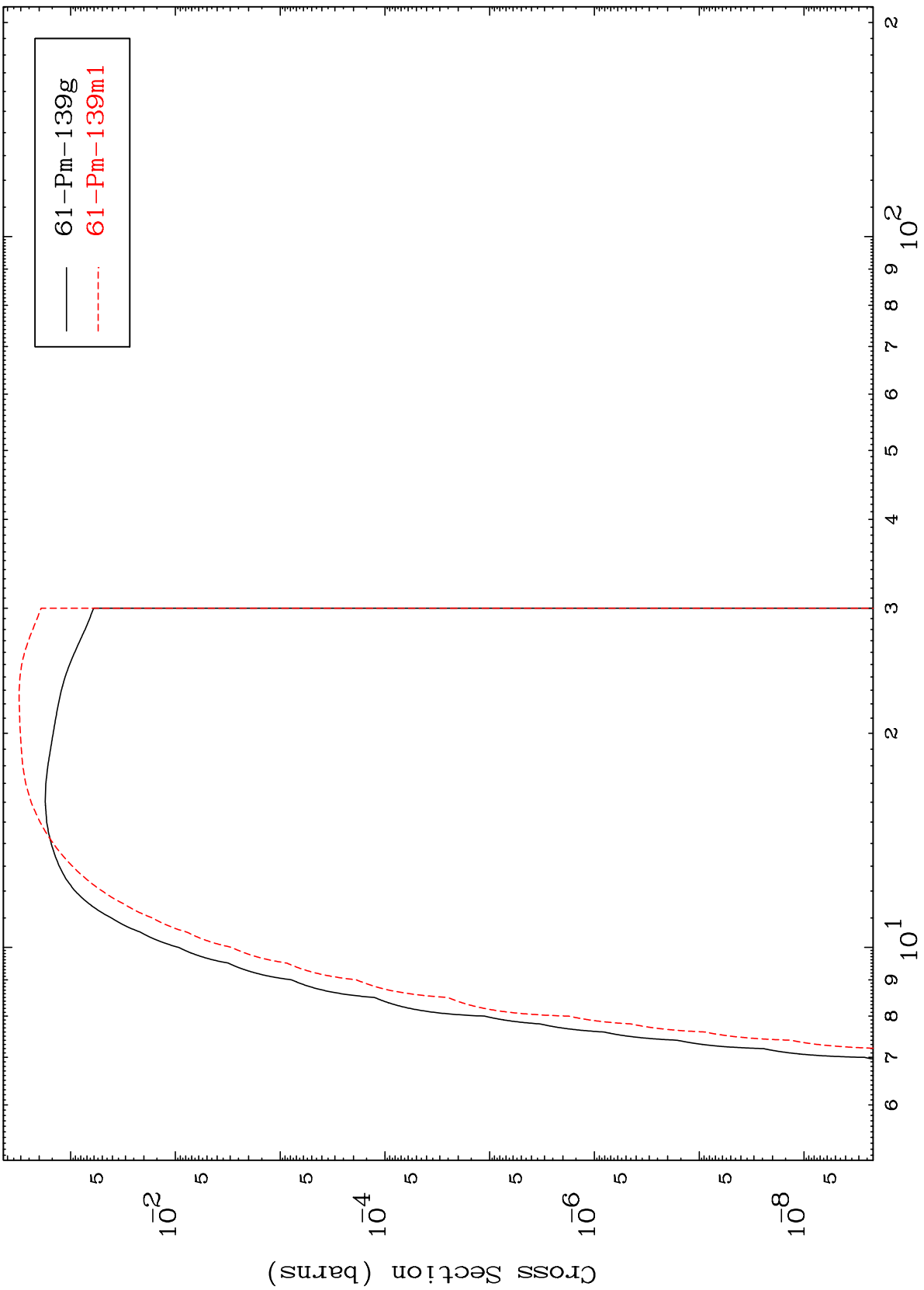
62-Sm-140

MAT 6213

(n,n') p

62-Sm-140

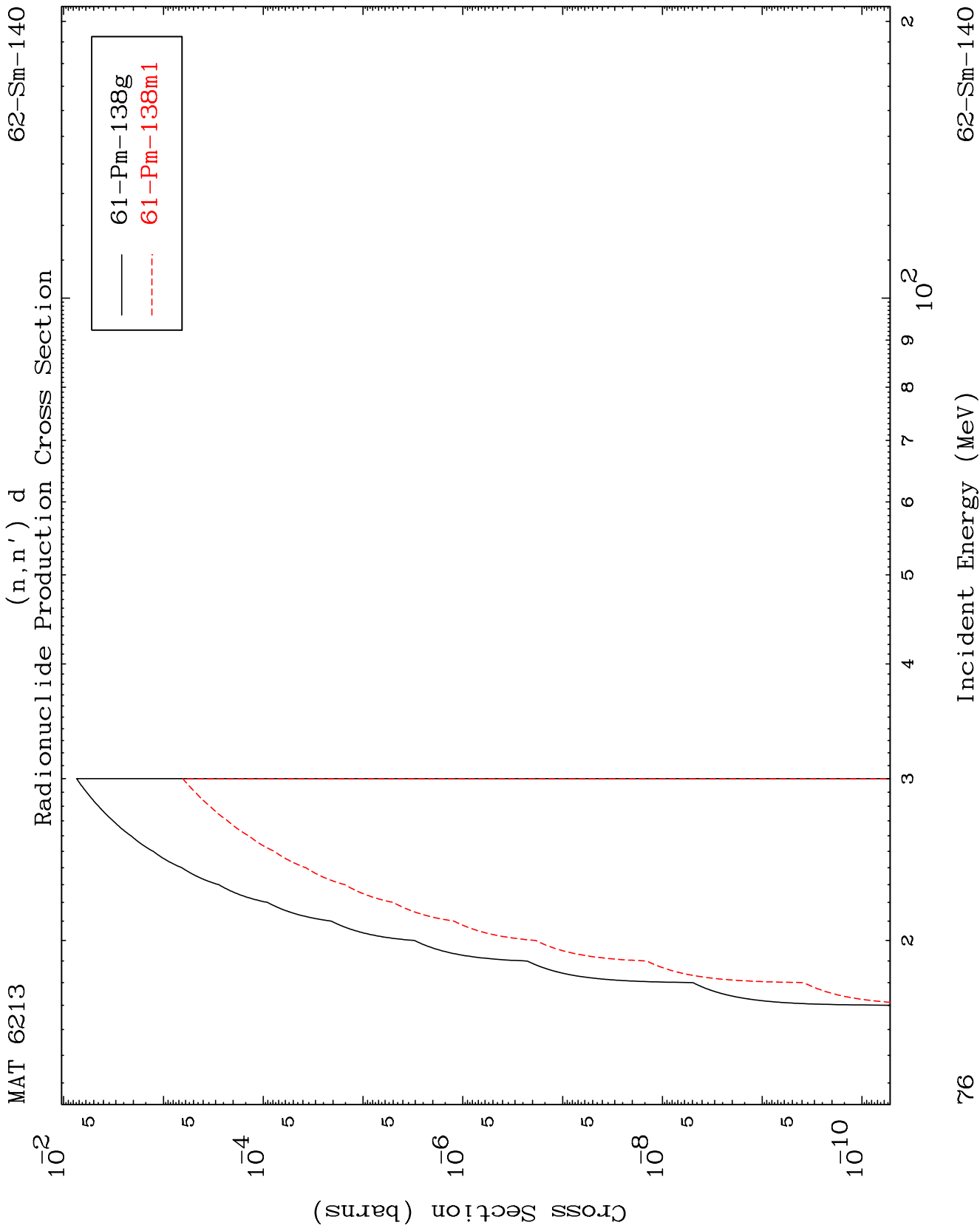
Radionuclide Production Cross Section



75

Incident Energy (MeV)

62-Sm-140

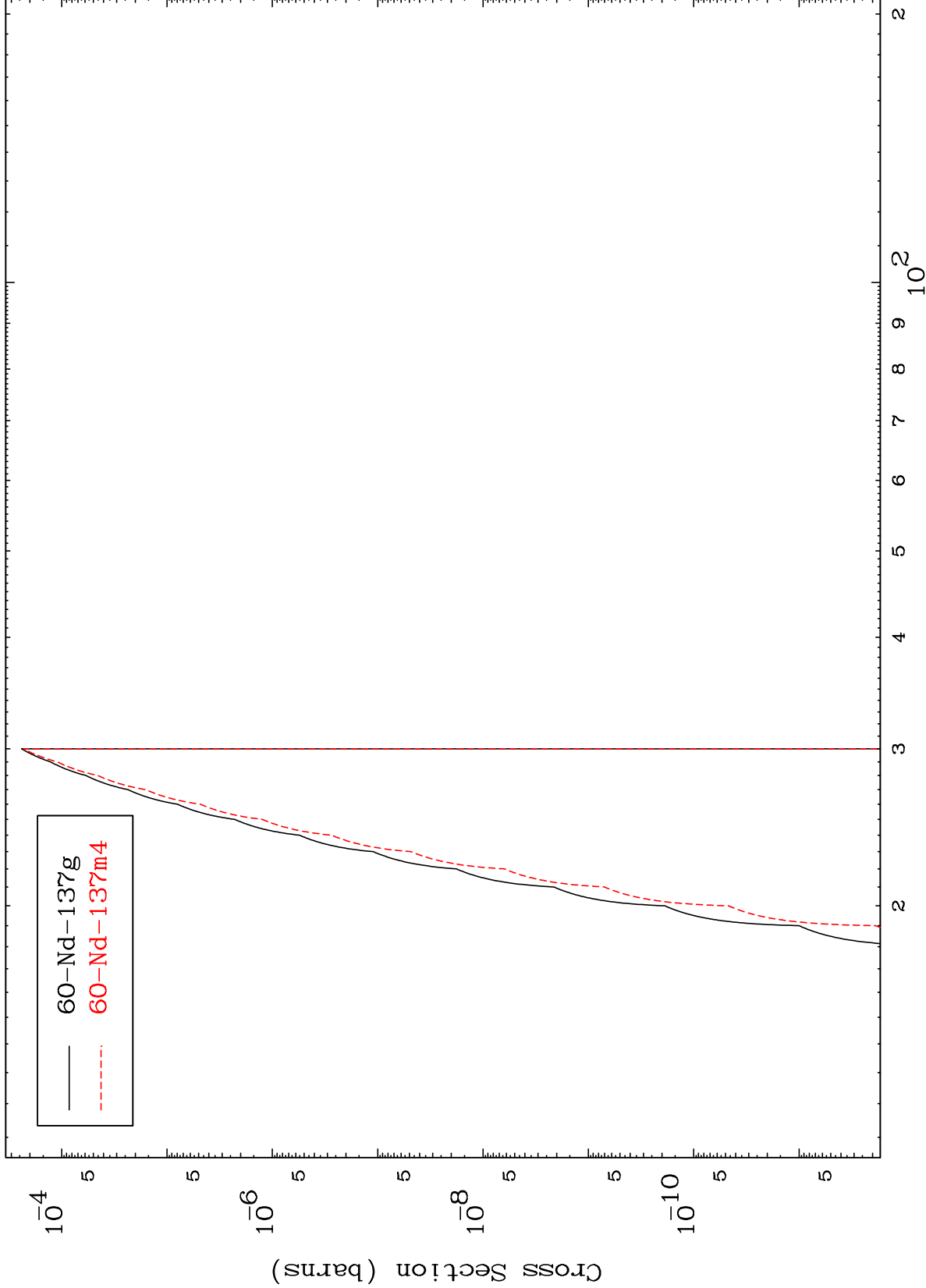


MAT 6213

(n,n') He-3

62-Sm-140

Radionuclide Production Cross Section



77

Incident Energy (MeV)

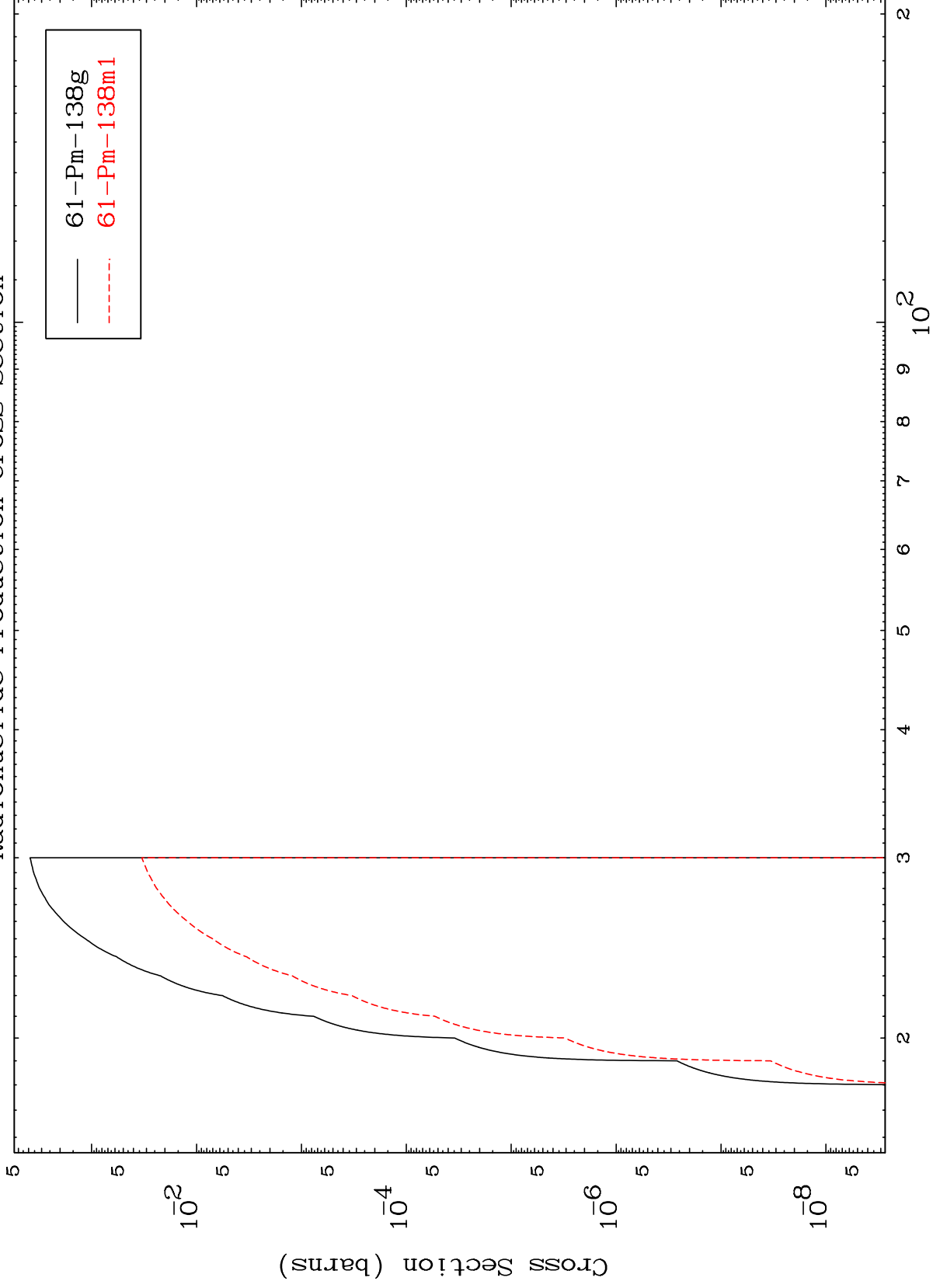
62-Sm-140

MAT 6213

(n,2n) p

62-Sm-140

Radionuclide Production Cross Section



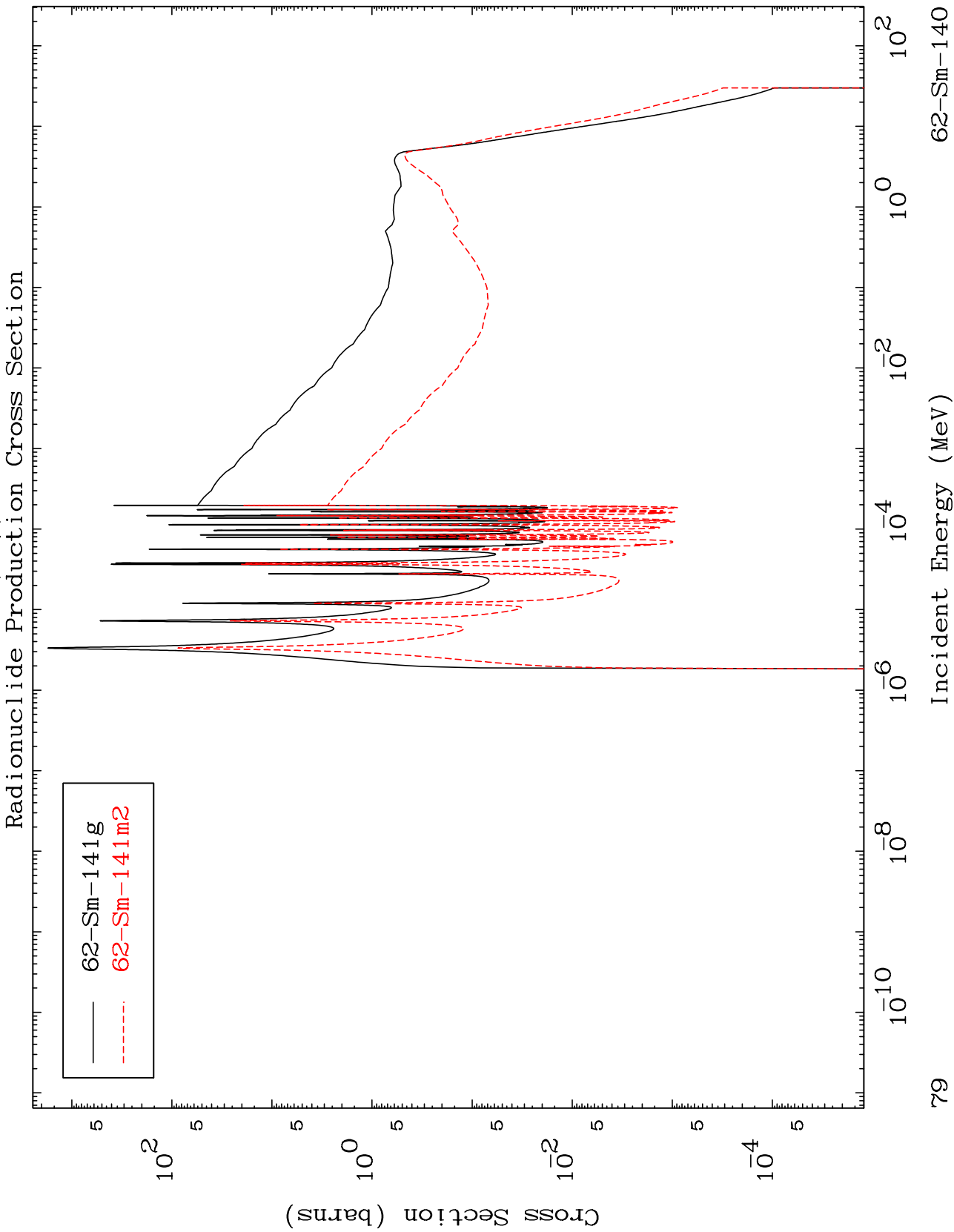
78

Incident Energy (MeV)

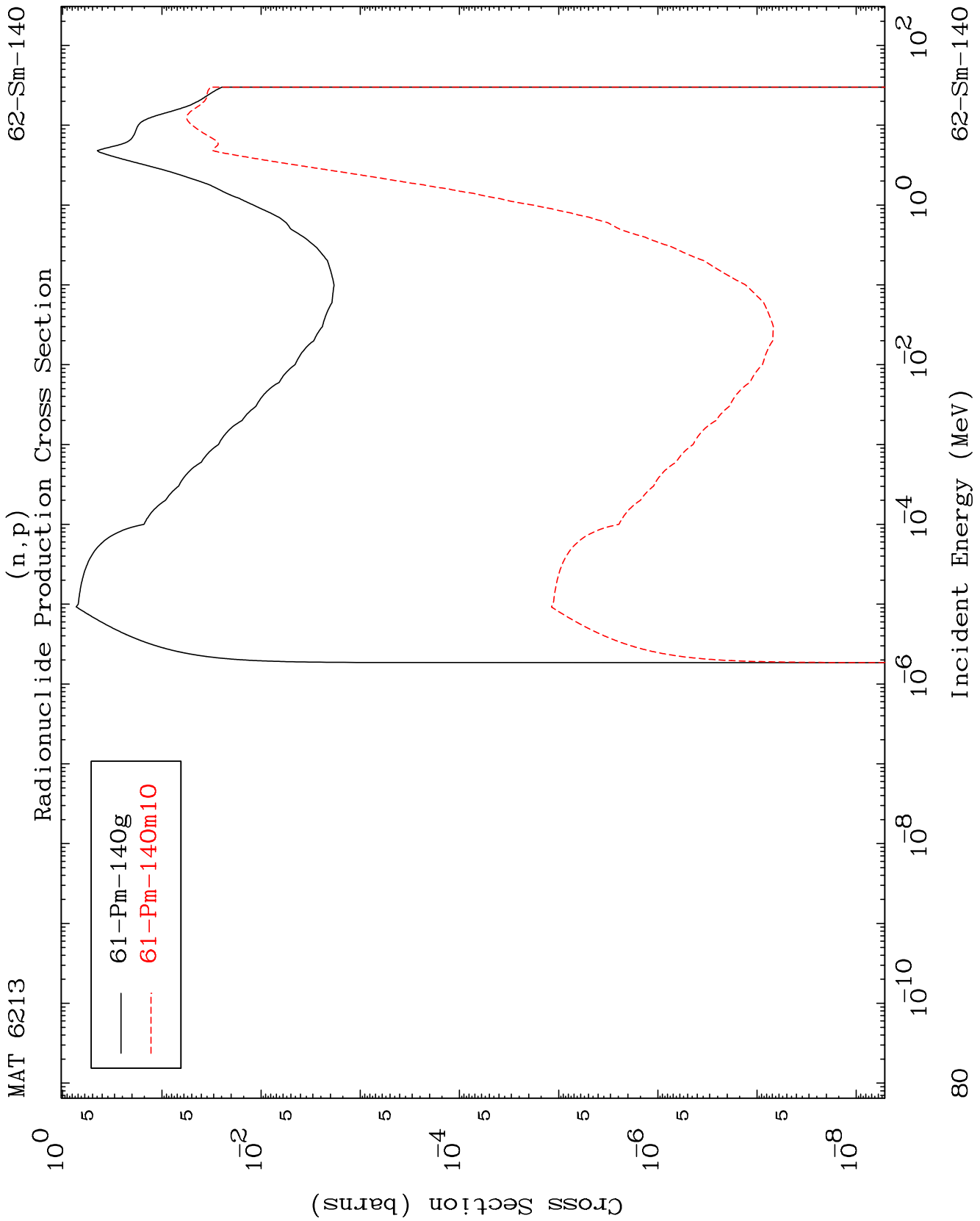
62-Sm-140

MAT 6213

62-Sm-140



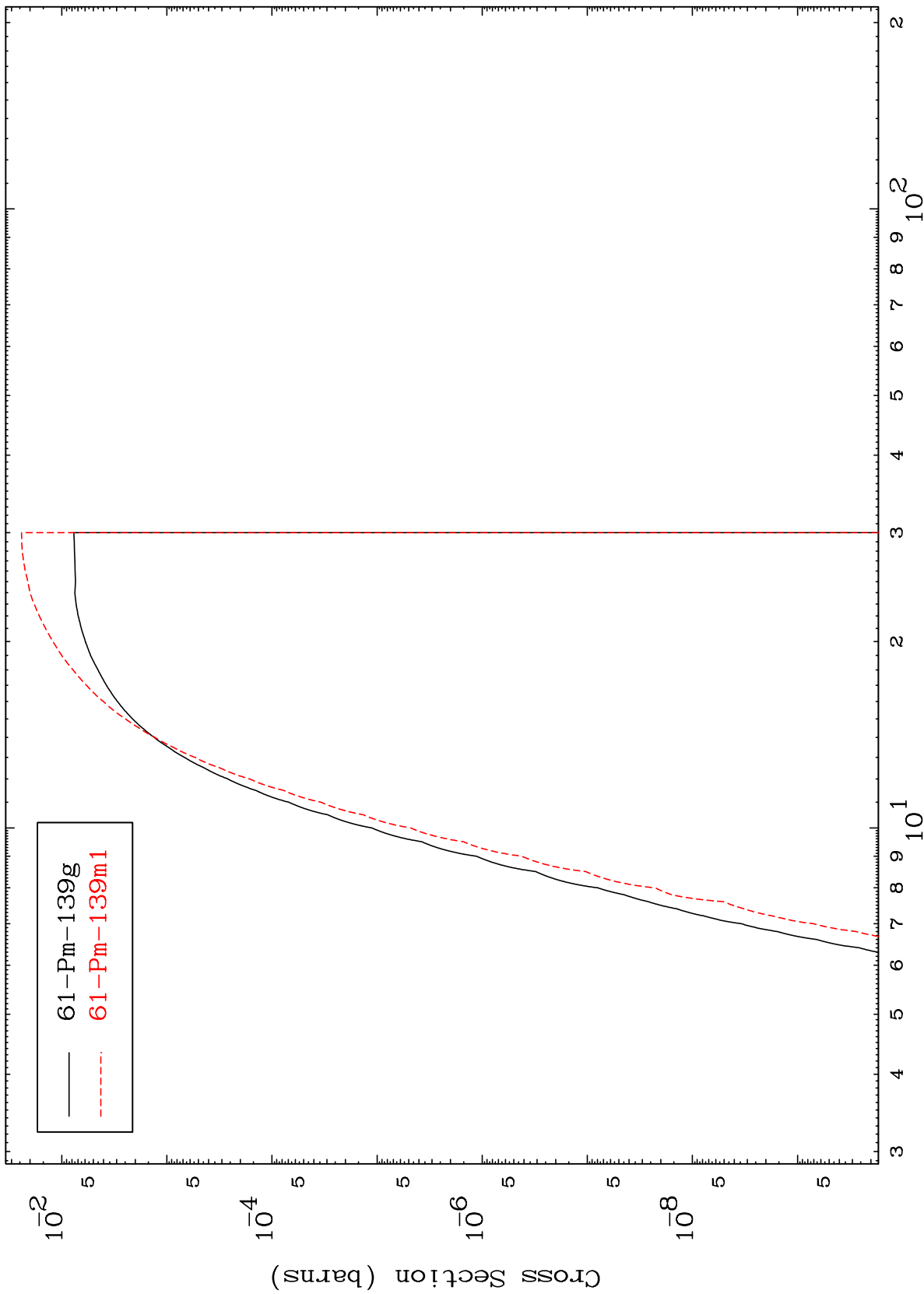
| | |
|-------|--------------|
| — | 62-Sm-141 g |
| - - - | 62-Sm-141 m2 |



MAT 6213

62-Sm-140

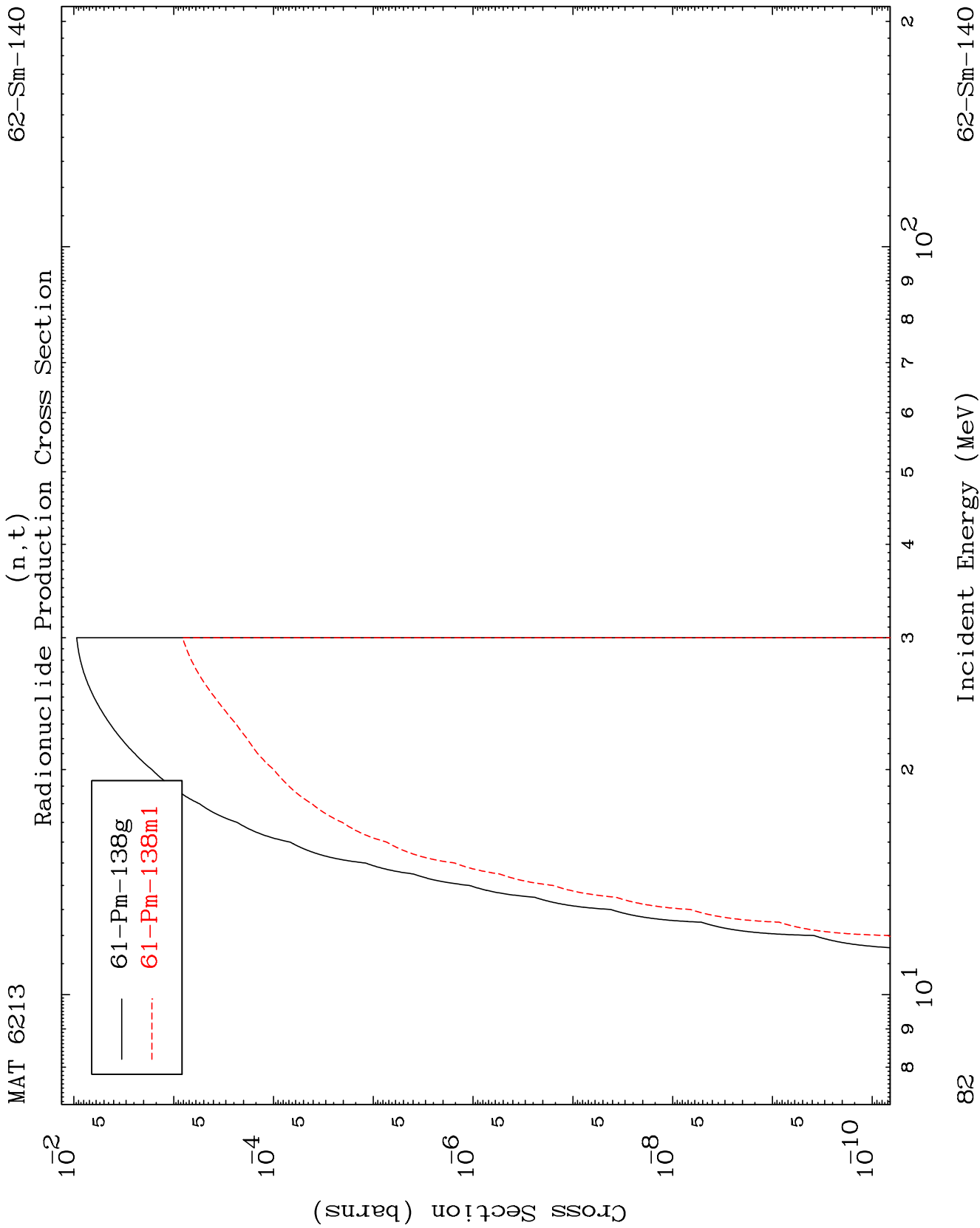
(n,d)
Radionuclide Production Cross Section



81

Incident Energy (MeV)

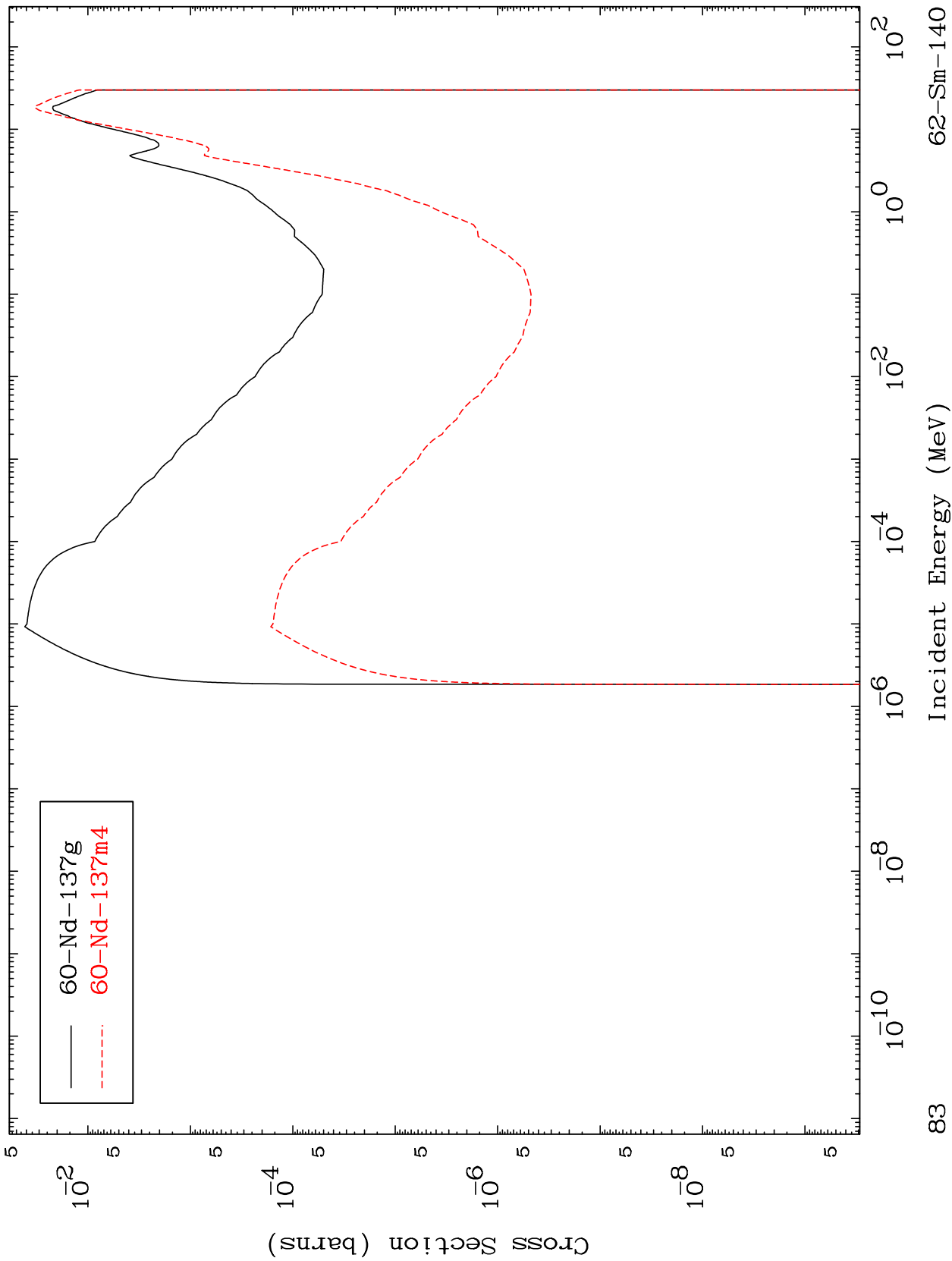
62-Sm-140



MAT 6213

62-Sm-140

(n, α)
Radionuclide Production Cross Section

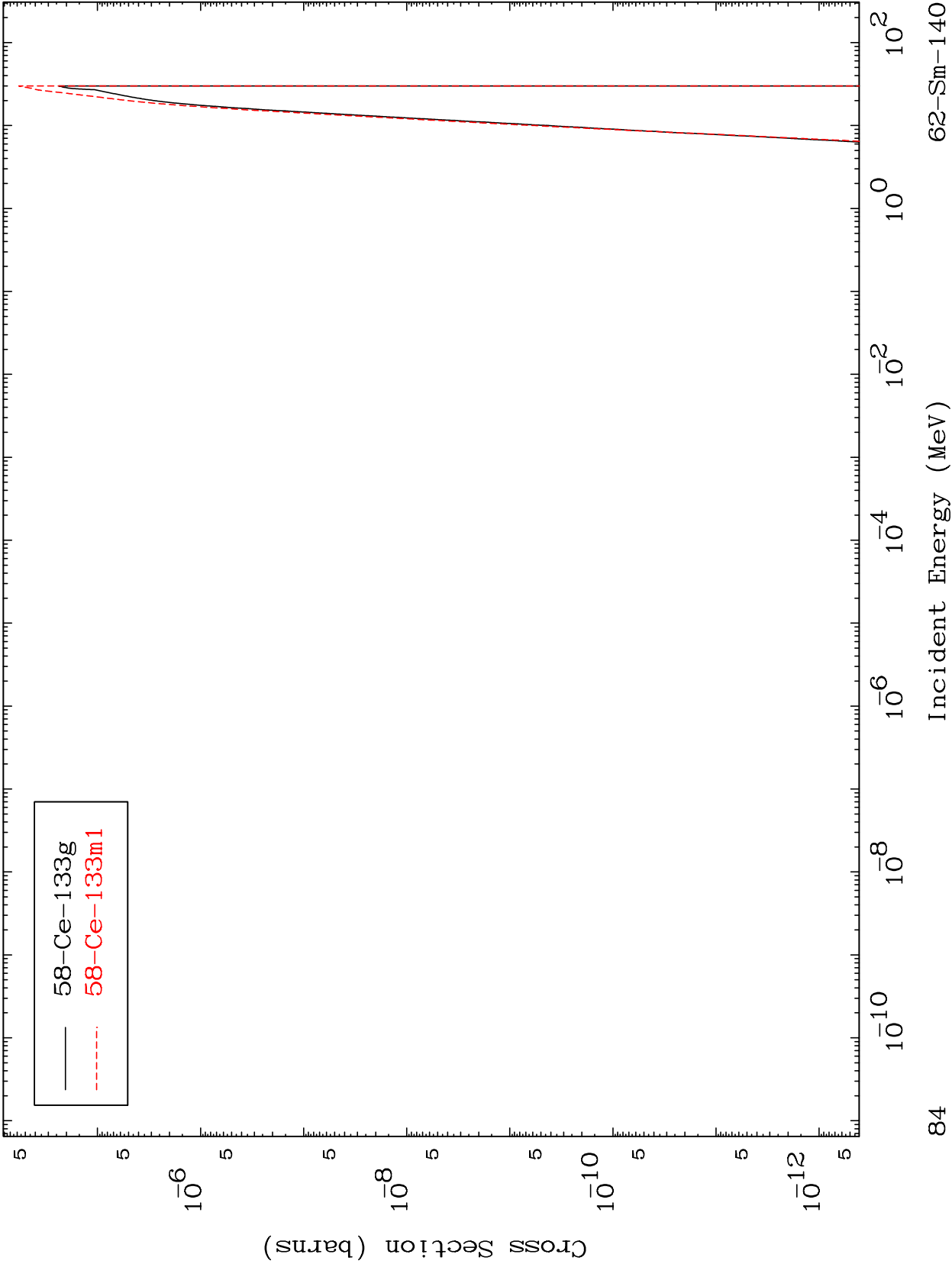


MAT 6213

(n,2α)

62-Sm-140

Radionuclide Production Cross Section



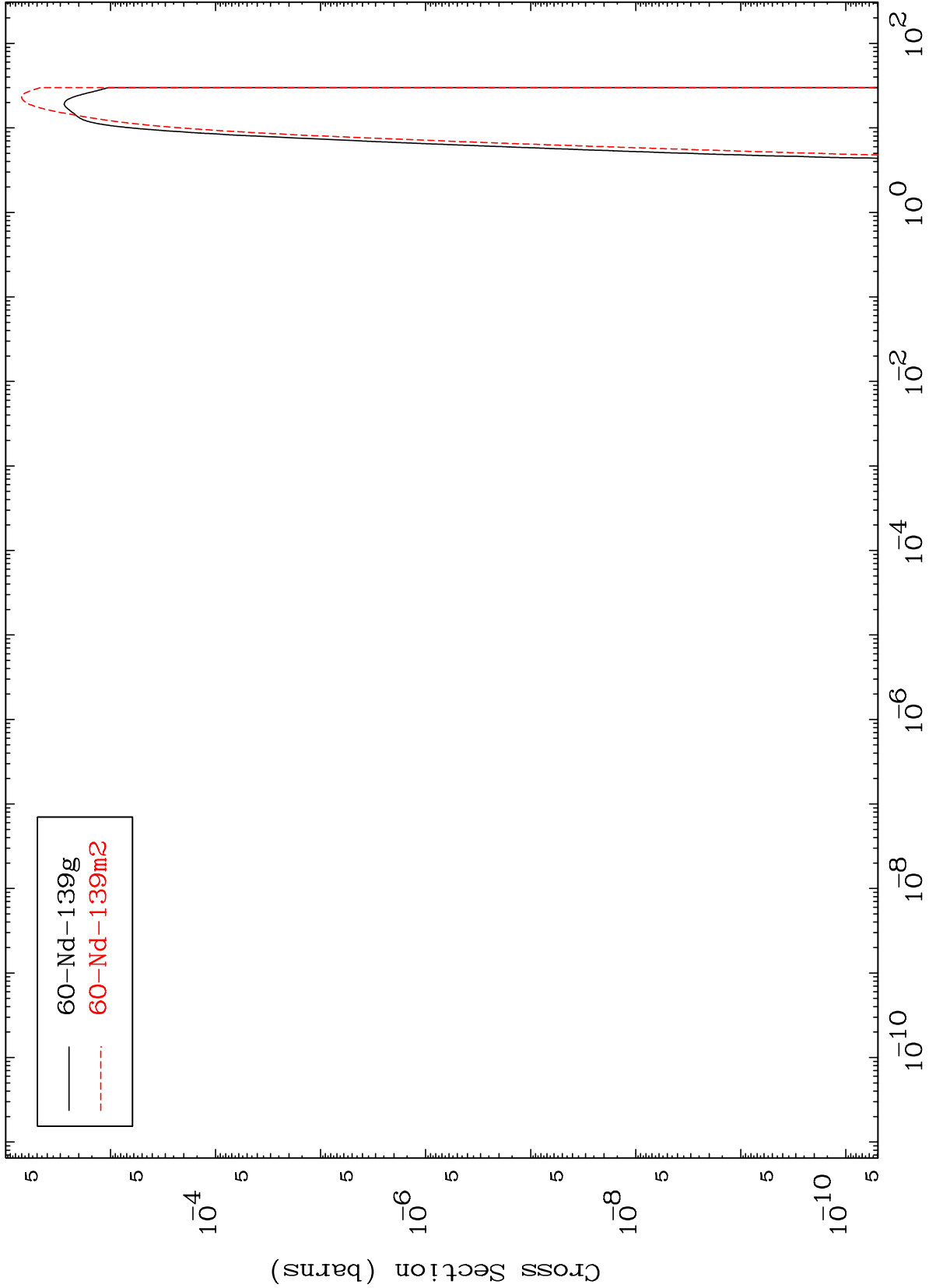
58-Ce-133g
58-Ce-133m1

MAT 6213

(n,2p)

62-Sm-140

Radionuclide Production Cross Section

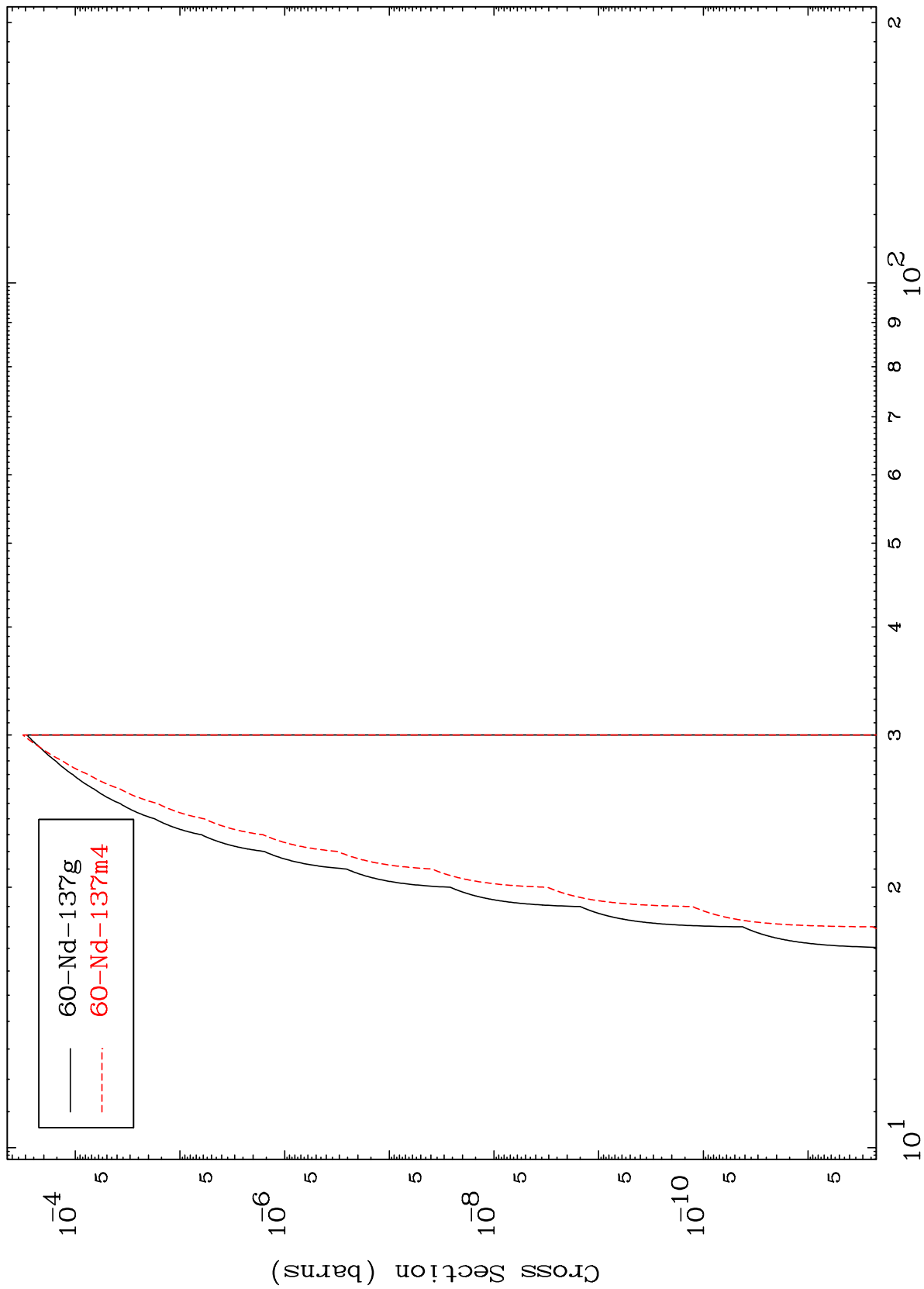


MAT 6213

(n,p) t

62-Sm-140

Radionuclide Production Cross Section



86

Incident Energy (MeV)

62-Sm-140