

Program EVALPLOT  
(Version 2017-1)

by

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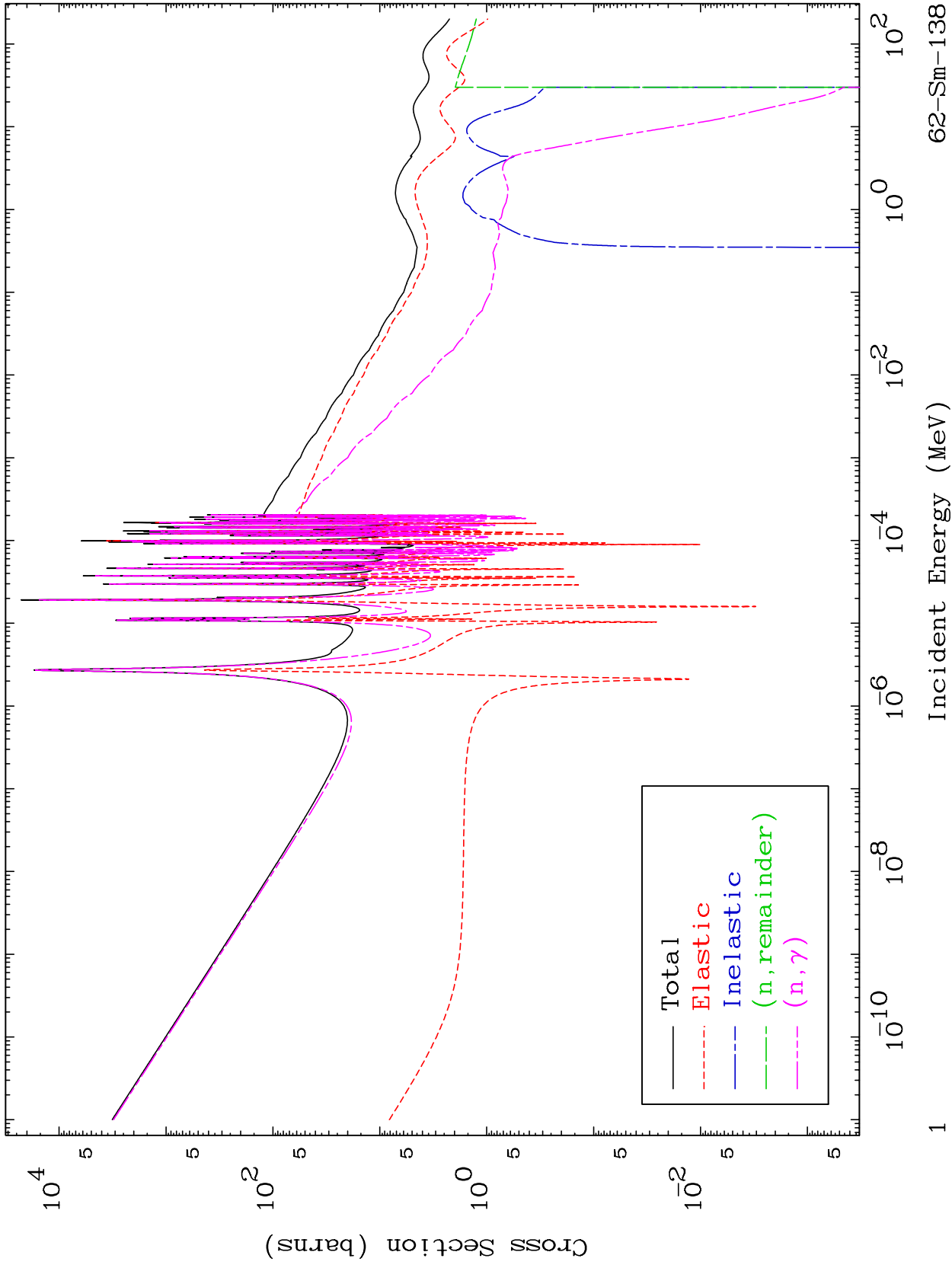
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6207

Major  
293 Kelvin Cross Sections

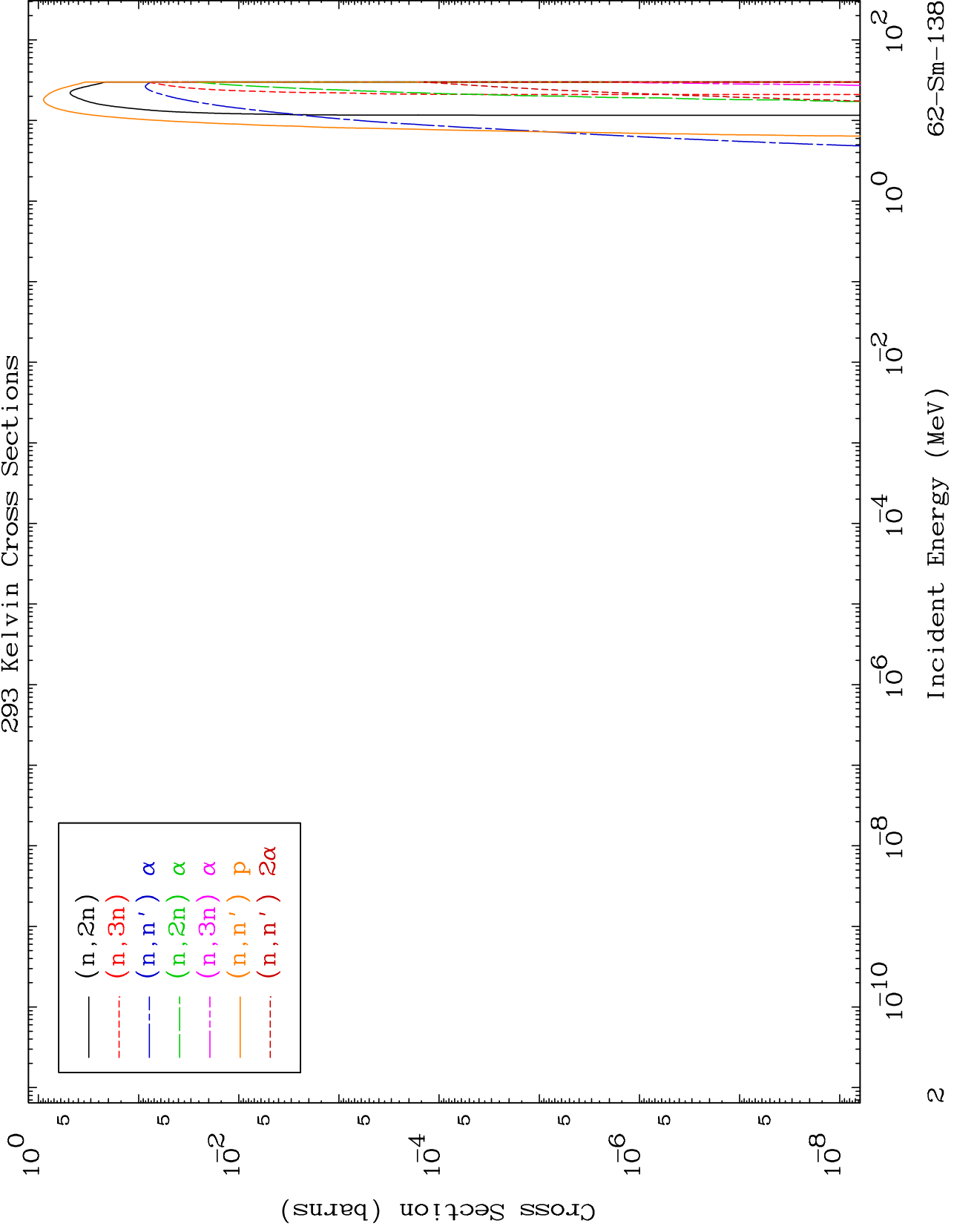
62-Sm-138

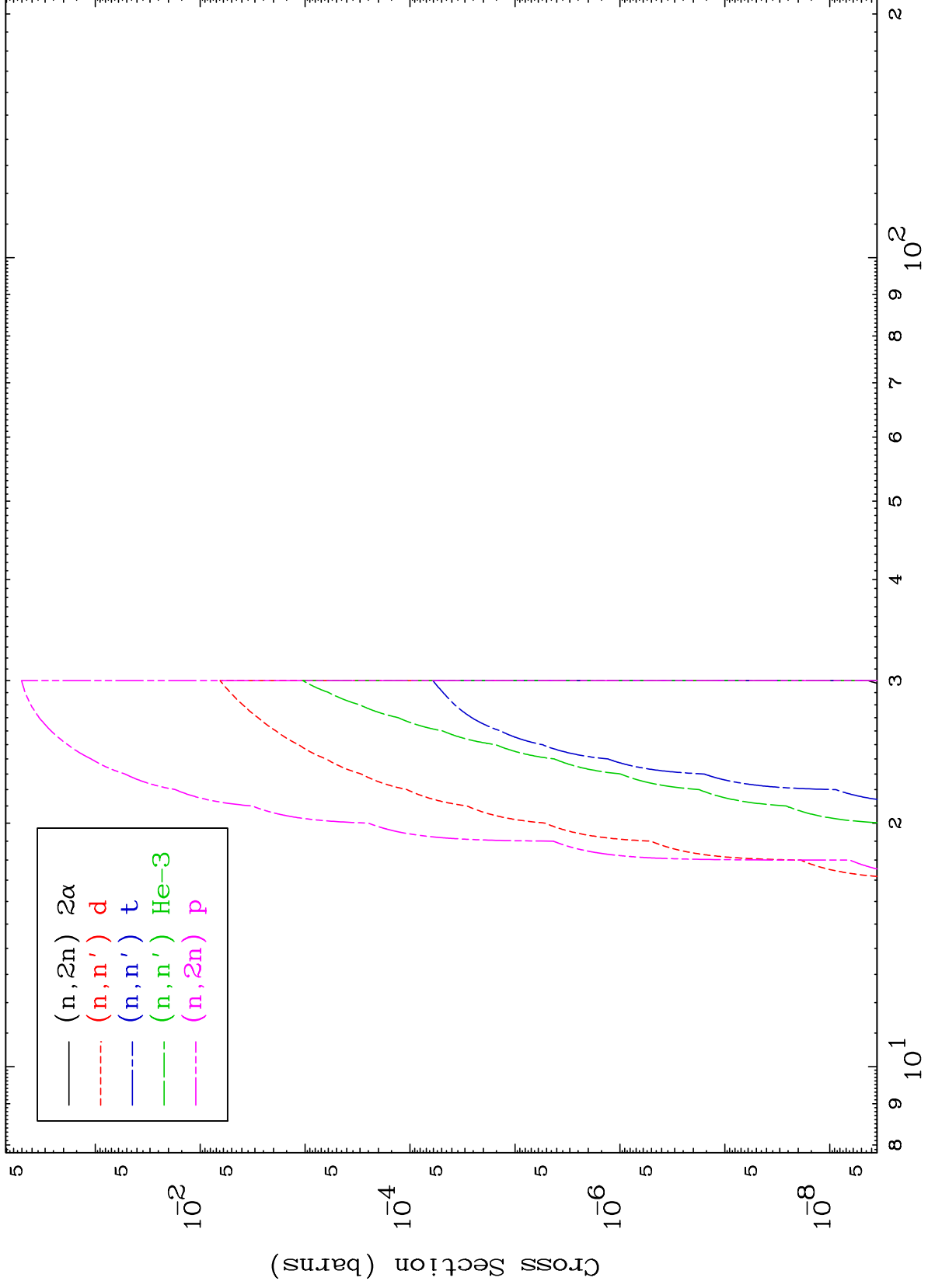


MAT 6207

Neutron Production  
293 Kelvin Cross Sections

62-Sm-138

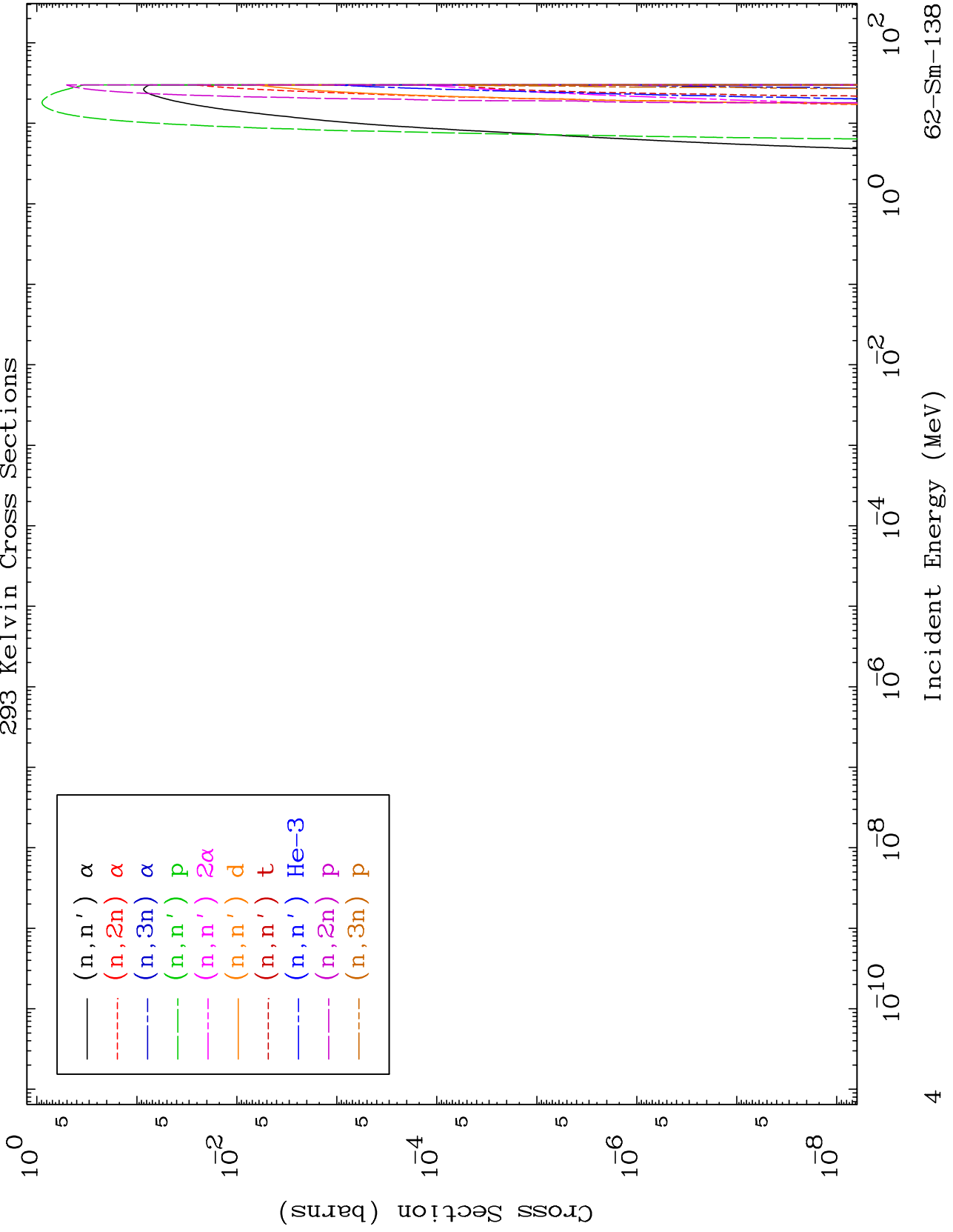




MAT 6207

Charged Particle  
293 Kelvin Cross Sections

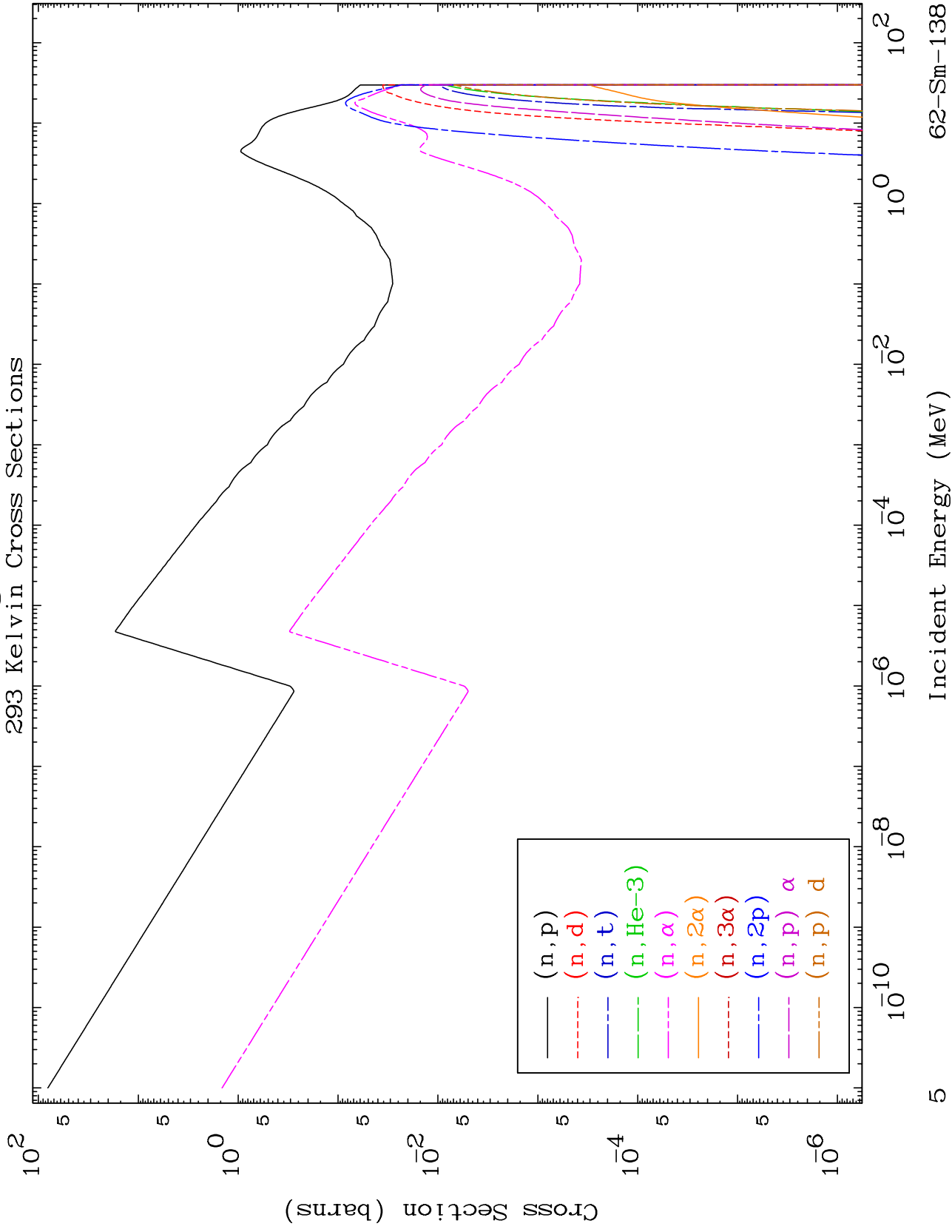
62-Sm-138



MAT 6207

Charged Particle  
293 Kelvin Cross Sections

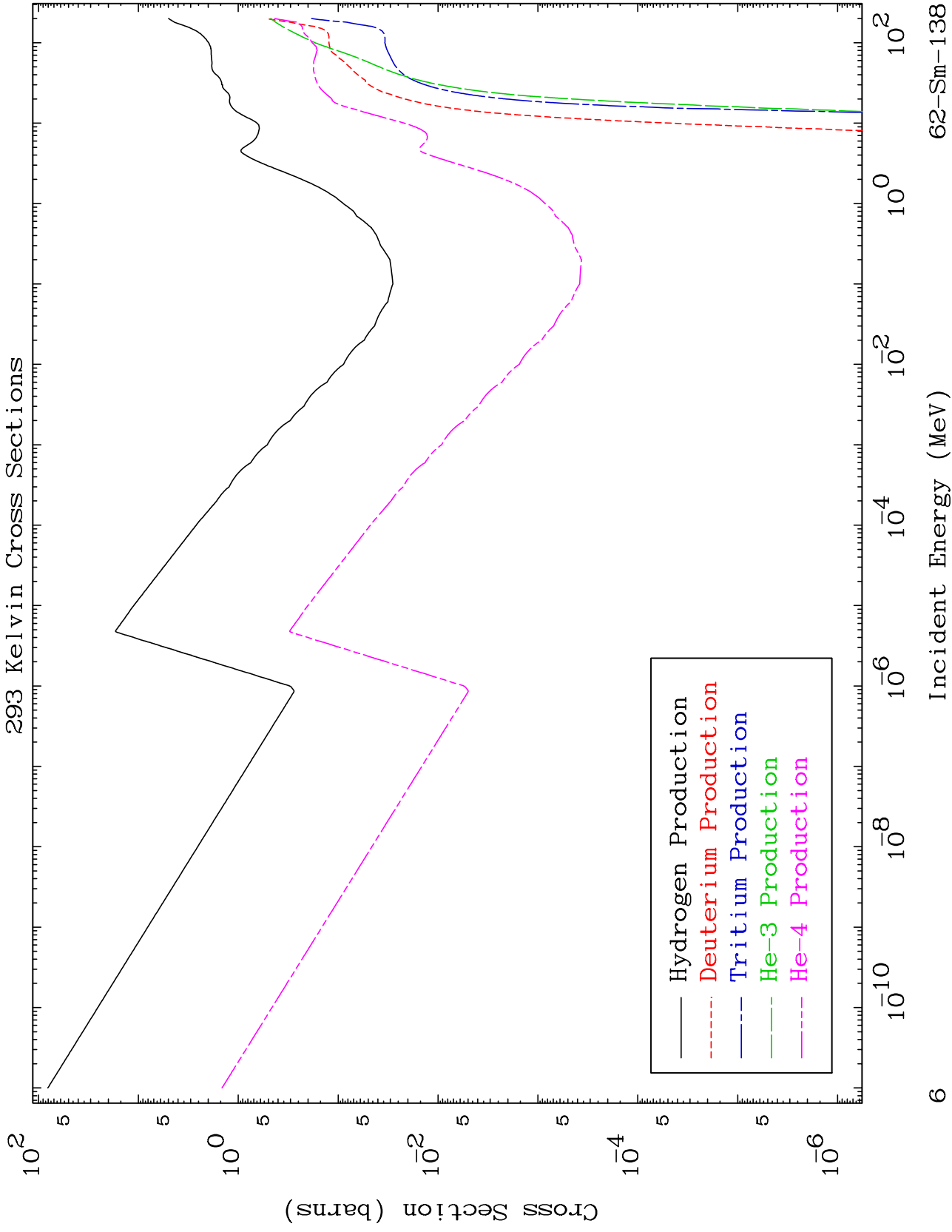
62-Sm-138



MAT 6207

Particle Production  
293 Kelvin Cross Sections

62-Sm-138

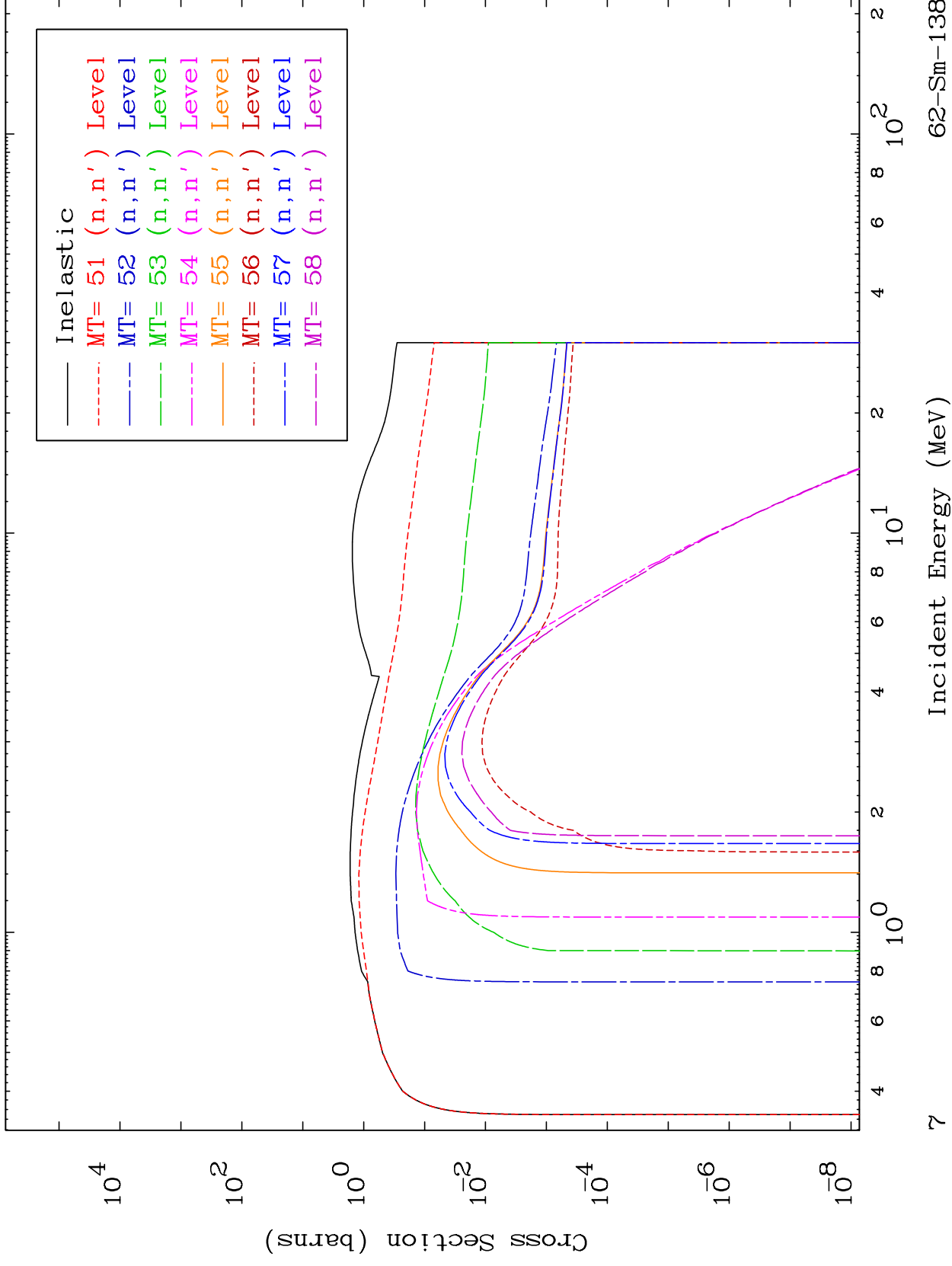


MAT 6207

(n,n') Level

62-Sm-138

293 Kelvin Cross Sections



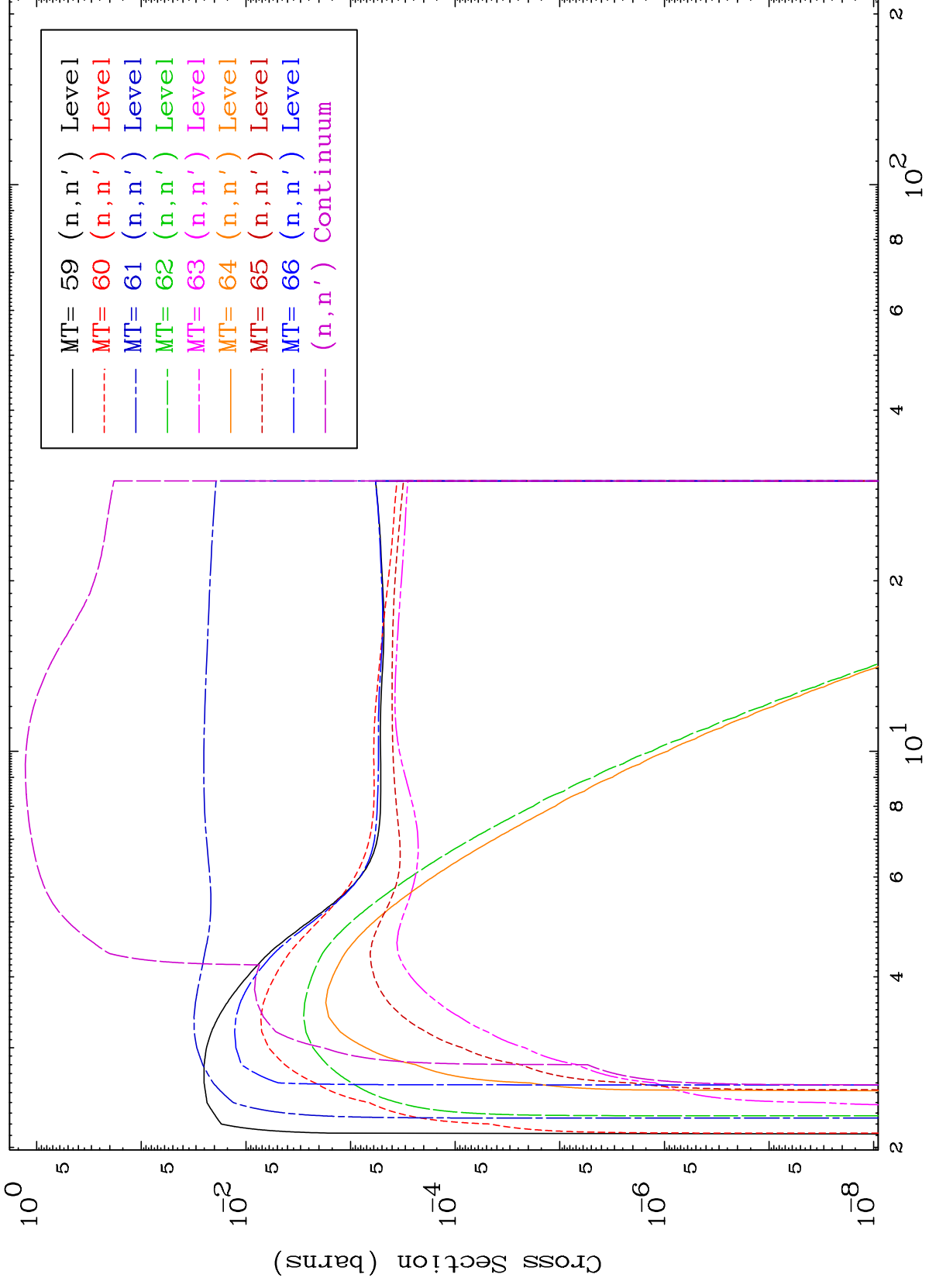


MAT 6207

(n,n') Level

62-Sm-138

293 Kelvin Cross Sections



8

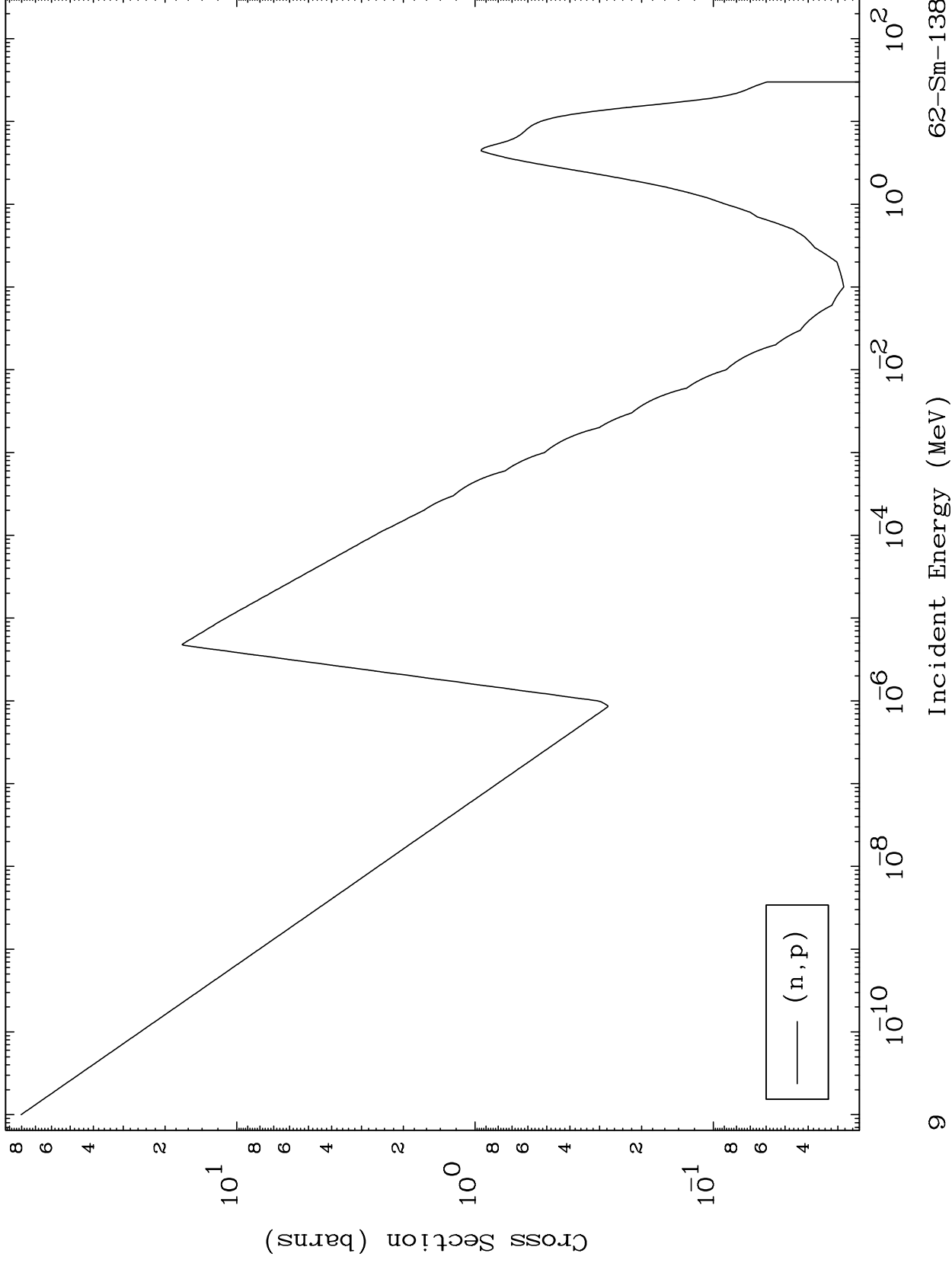
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,p) Levels  
293 Kelvin Cross Sections

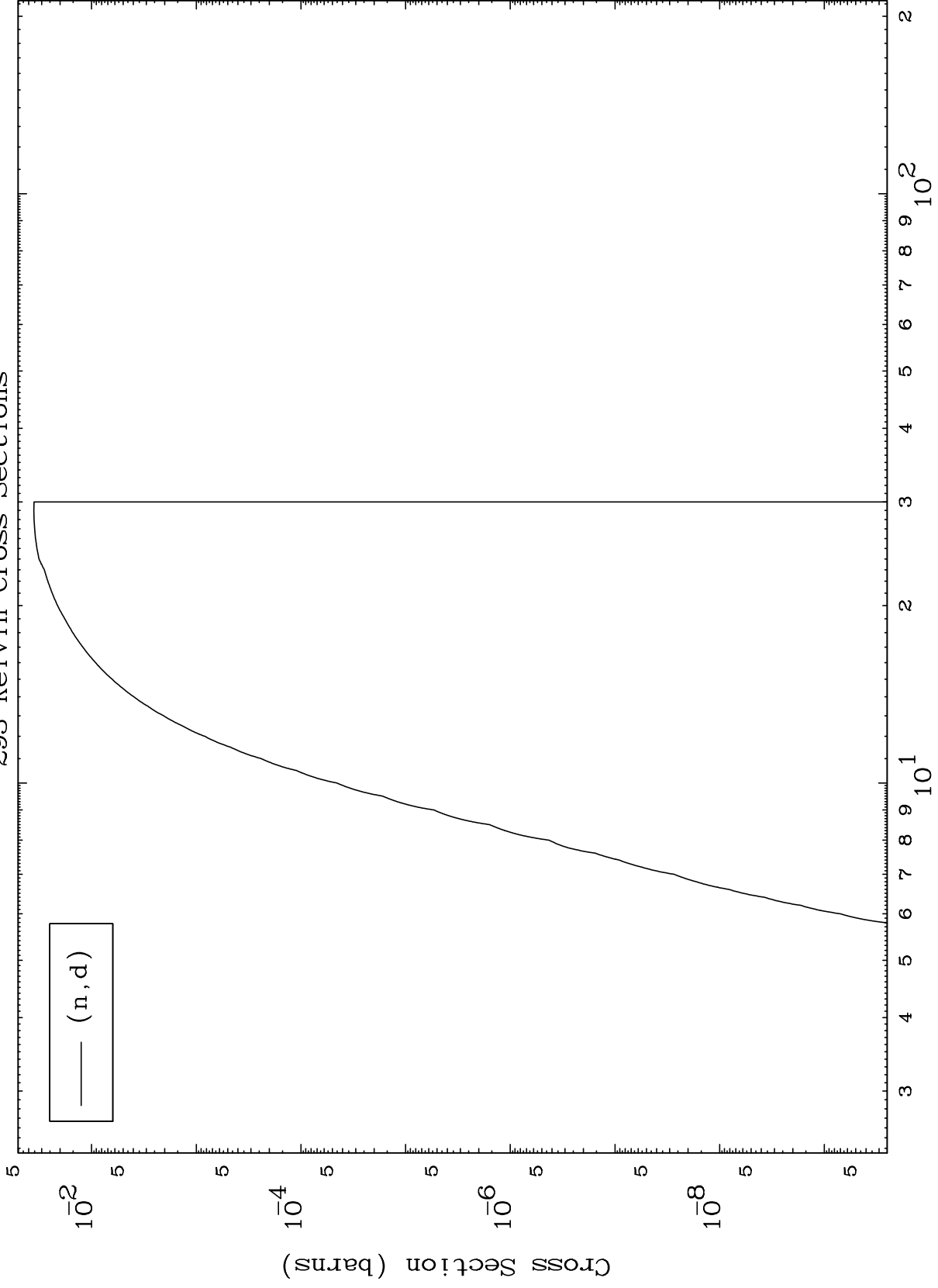
62-Sm-138



MAT 6207

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-138



10

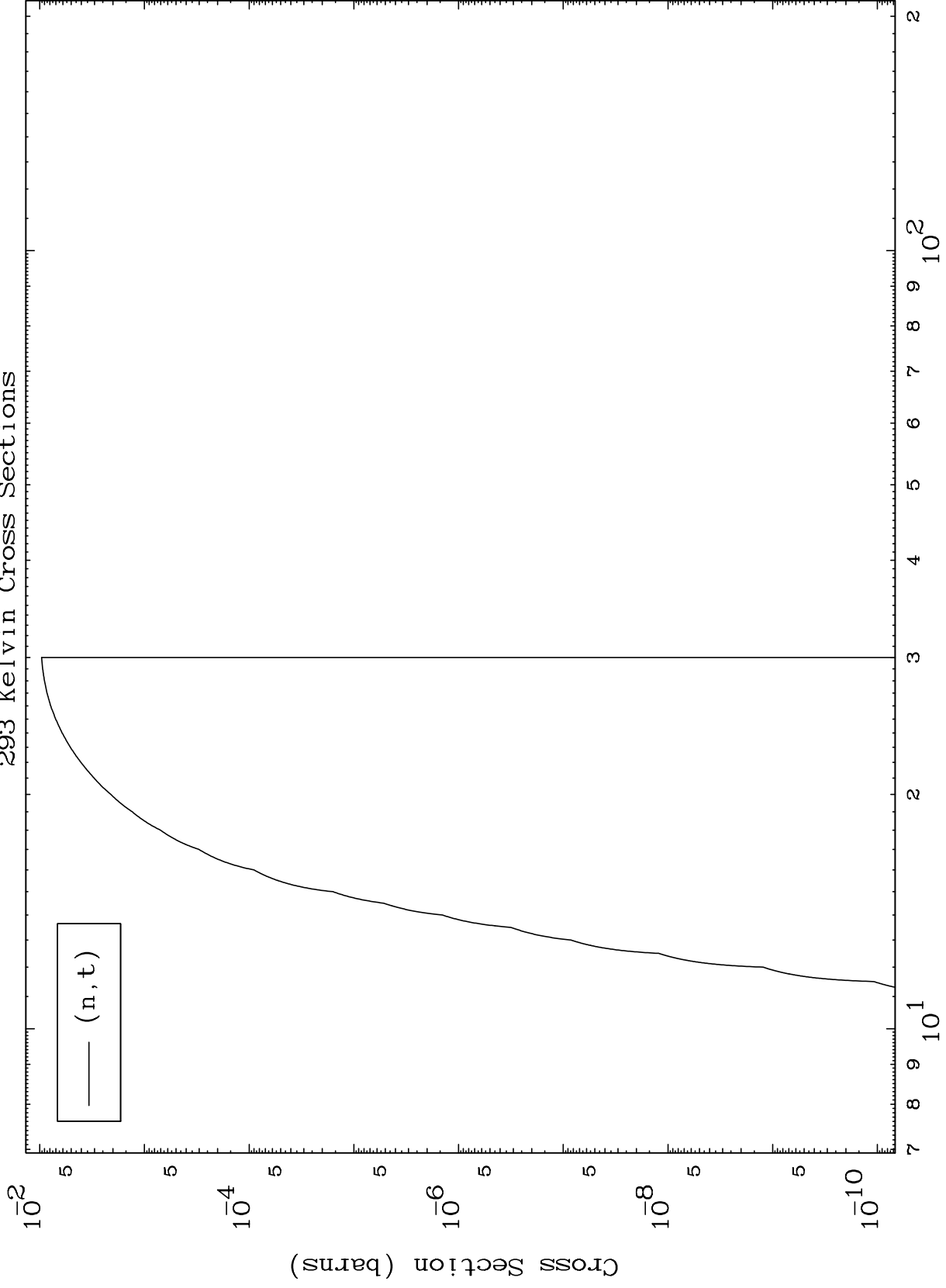
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-138



11

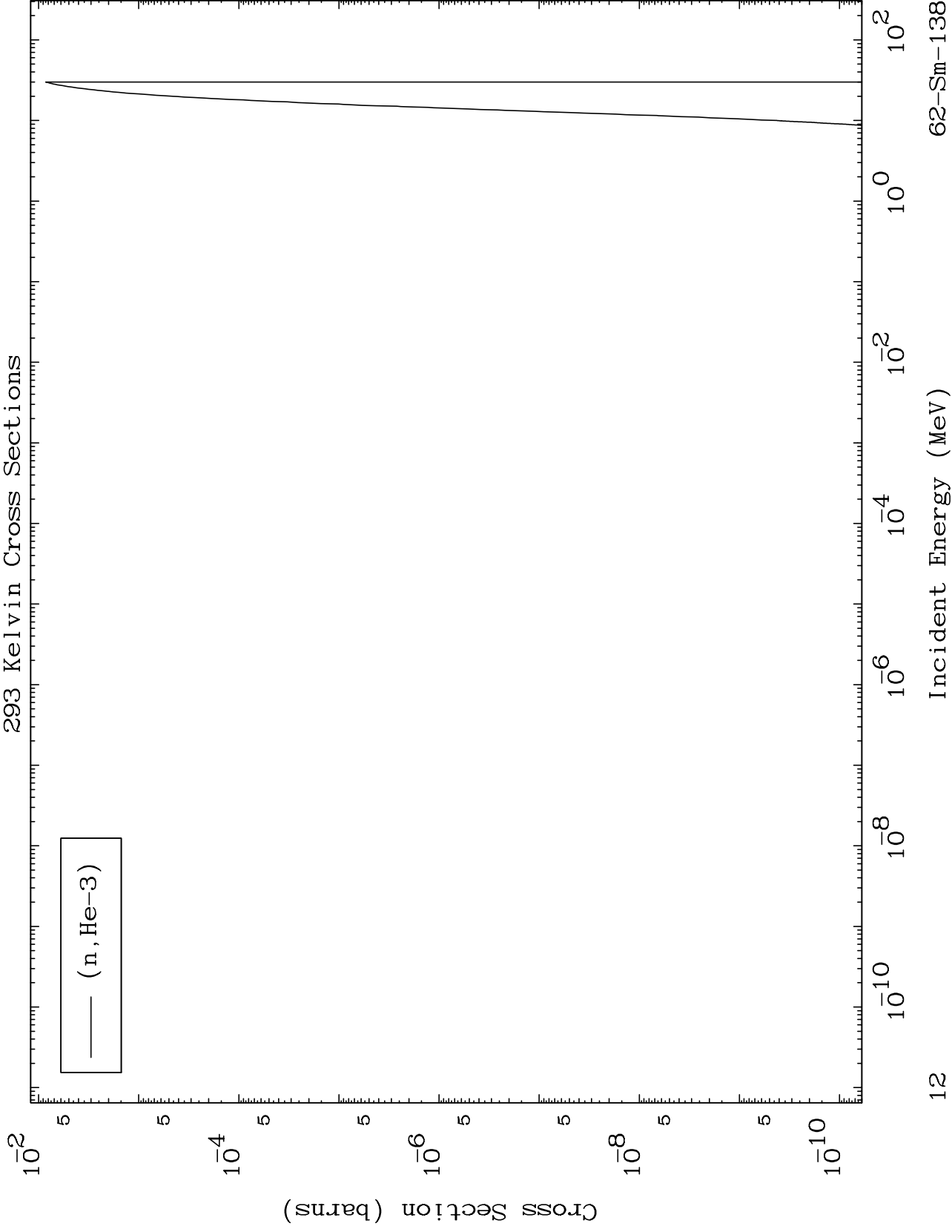
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,He3) Levels  
293 Kelvin Cross Sections

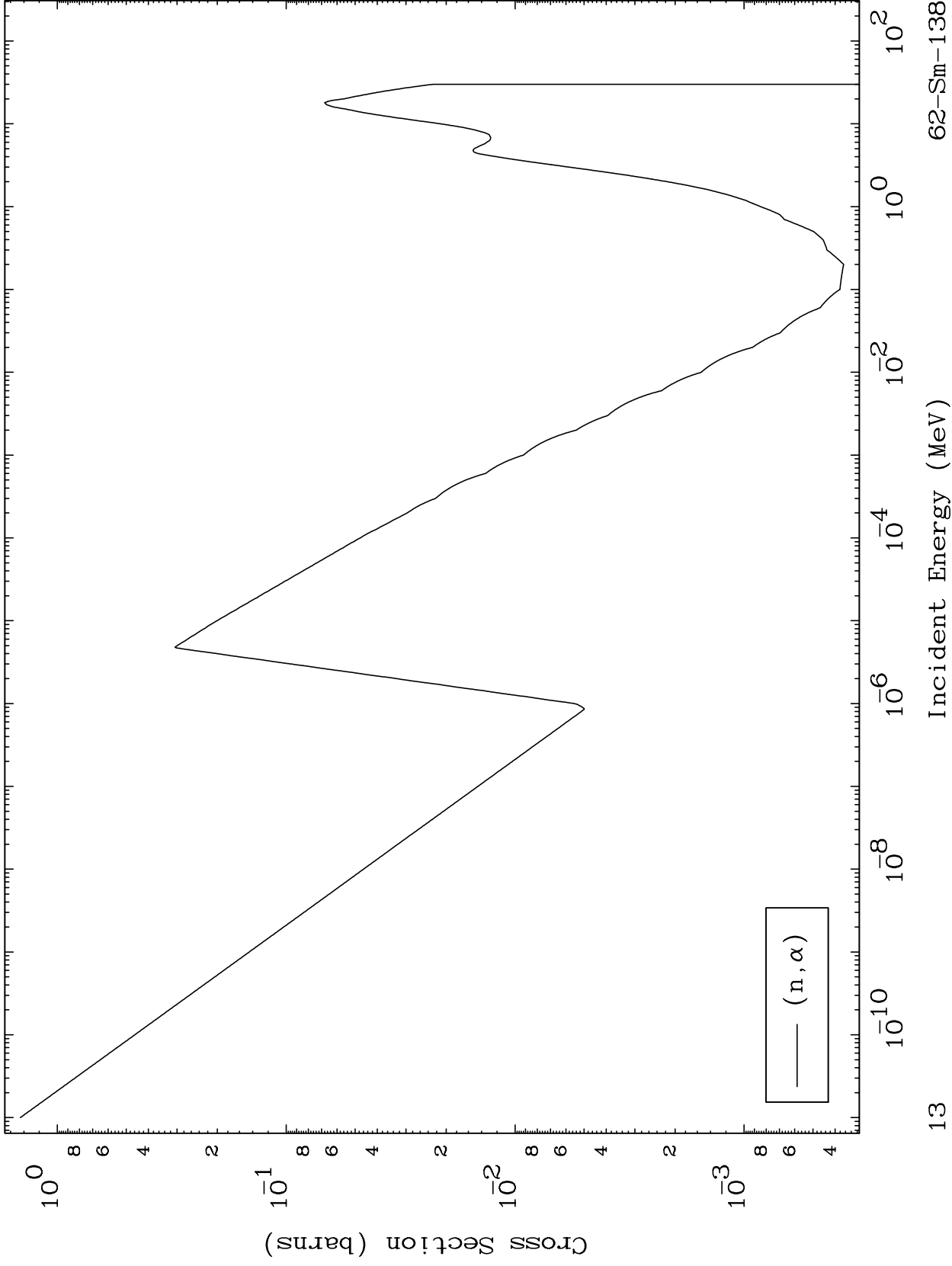
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MAT 6207

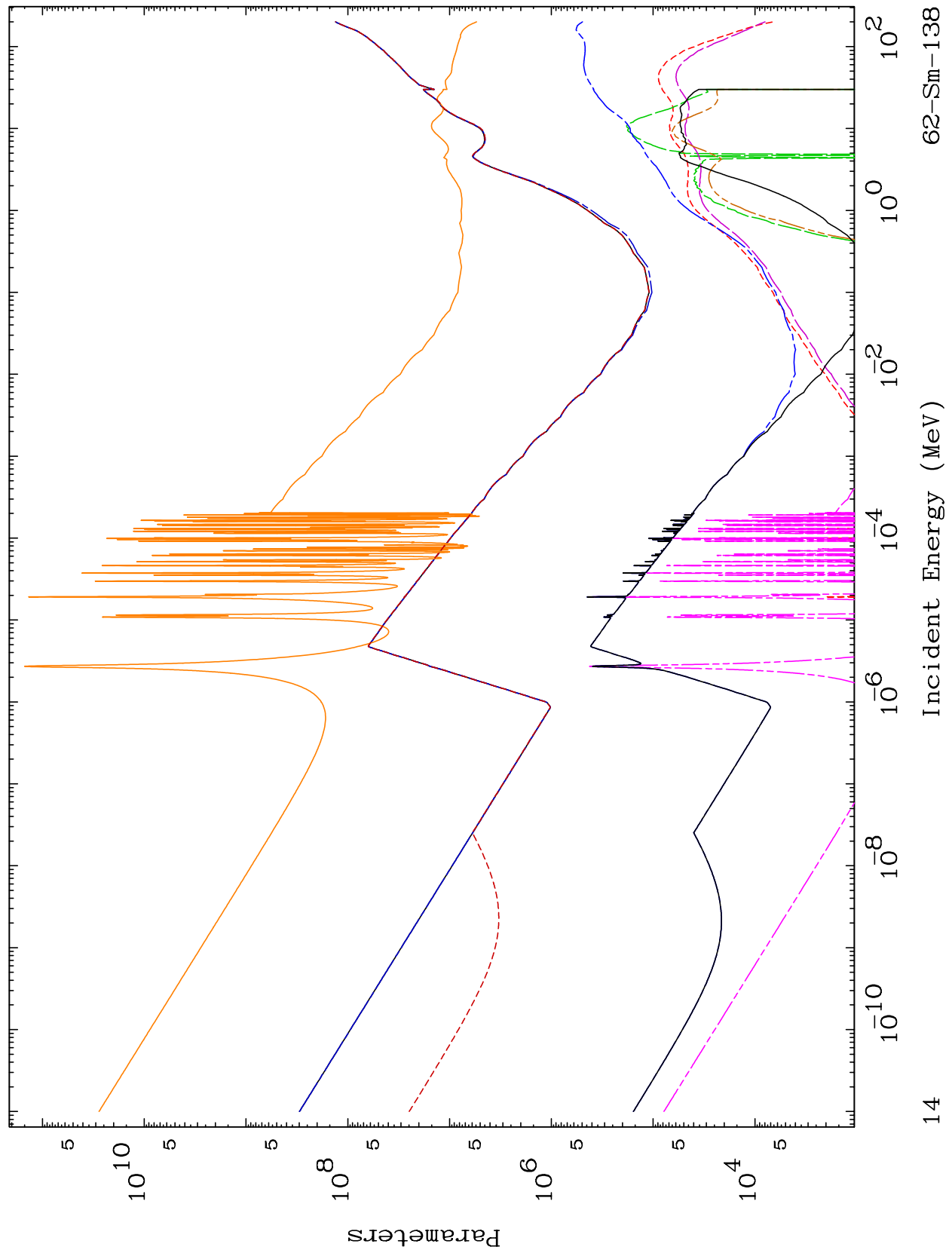
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

62-Sm-138



--- Dpa total (eV-barns)  
 --- Dpa elastic (mt2)  
 --- Dpa inelastic (mt51-91)  
 MAT-6207 Dpa disappearance (mt102) Release Parameters

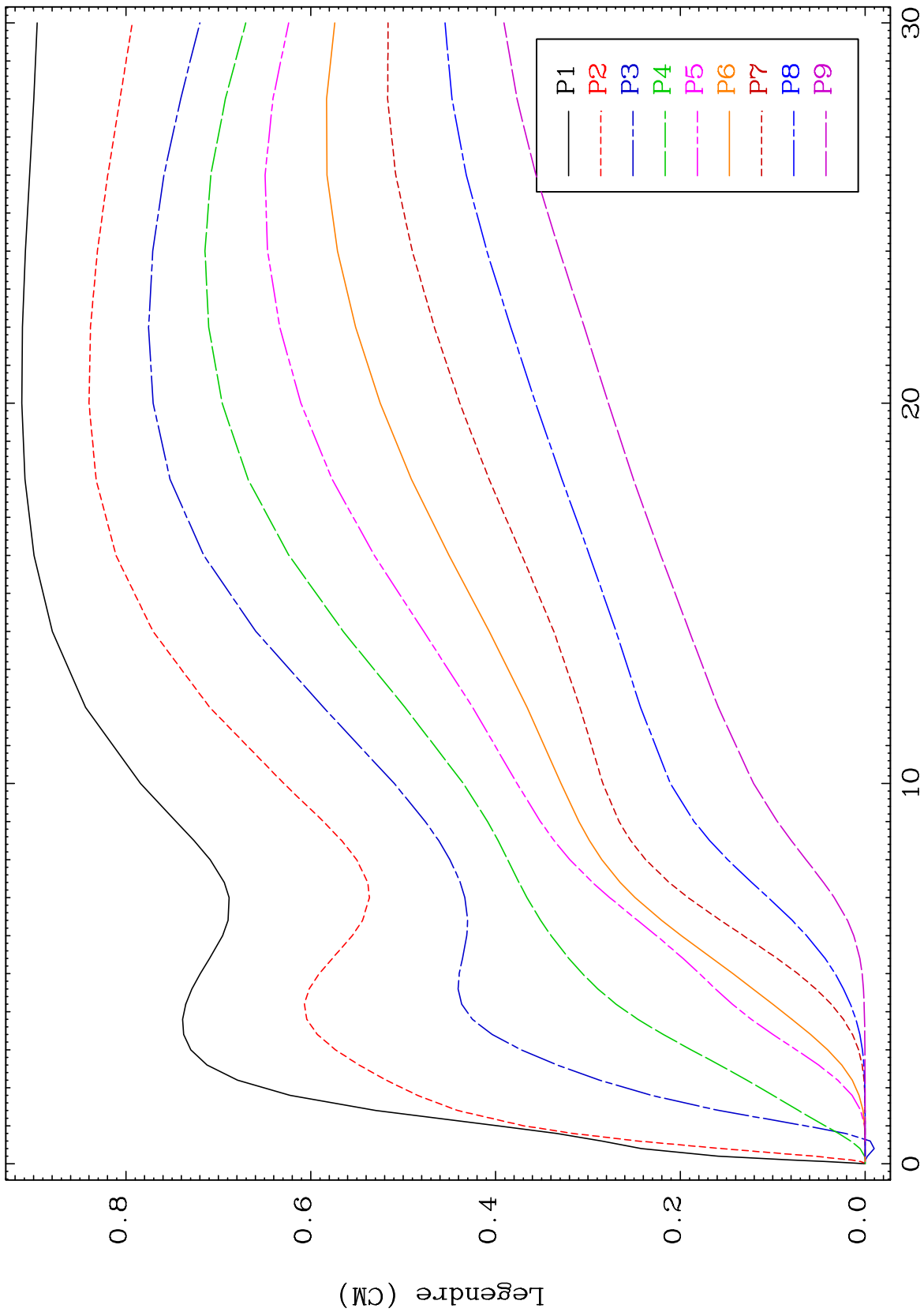
62-Sm-138



MAT 6207

Elastic Legendre Coefficients

62-Sm-138



15

Incident Energy (MeV)

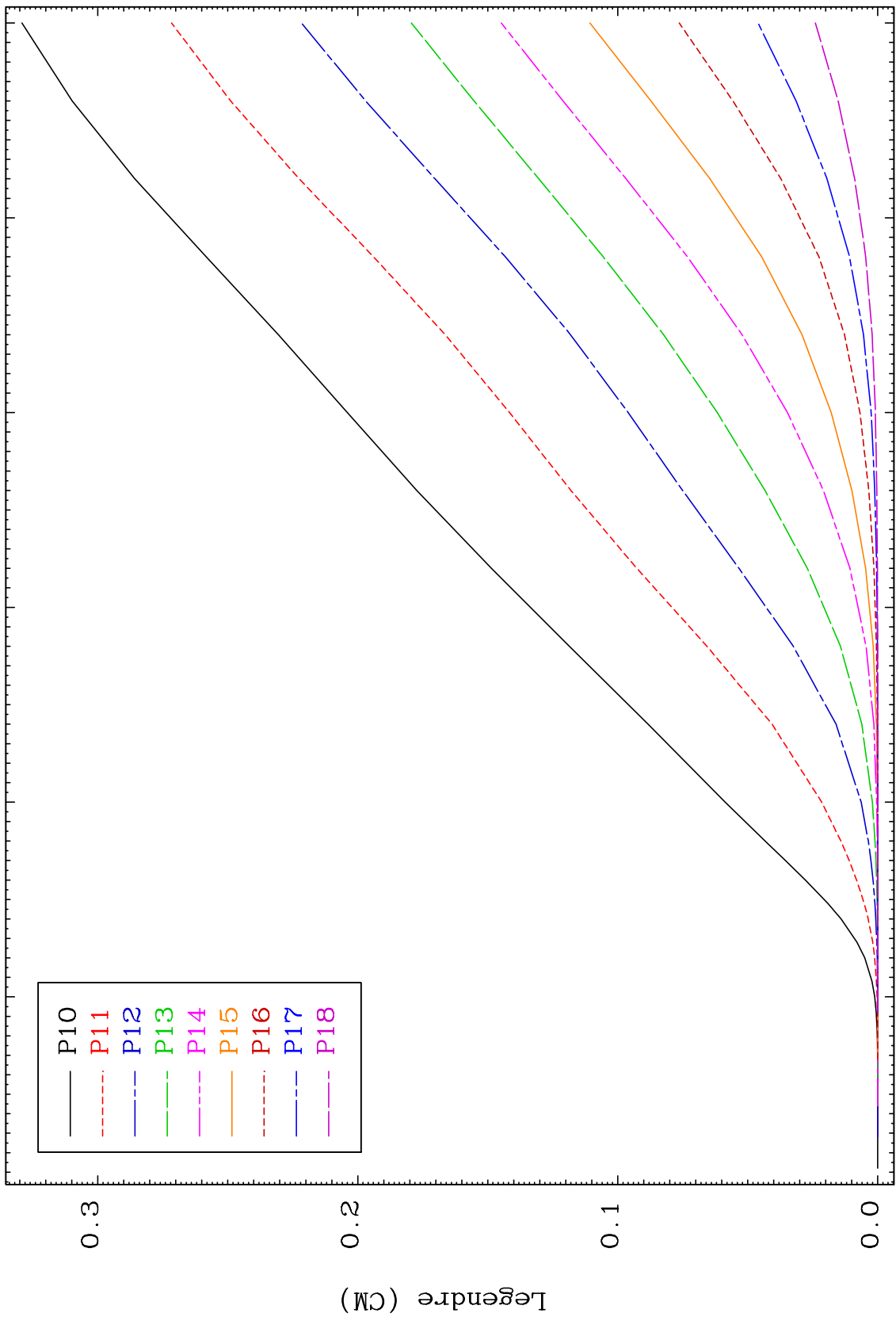
62-Sm-138



MAT 6207

Elastic Legendre Coefficients

62-Sm-138



16

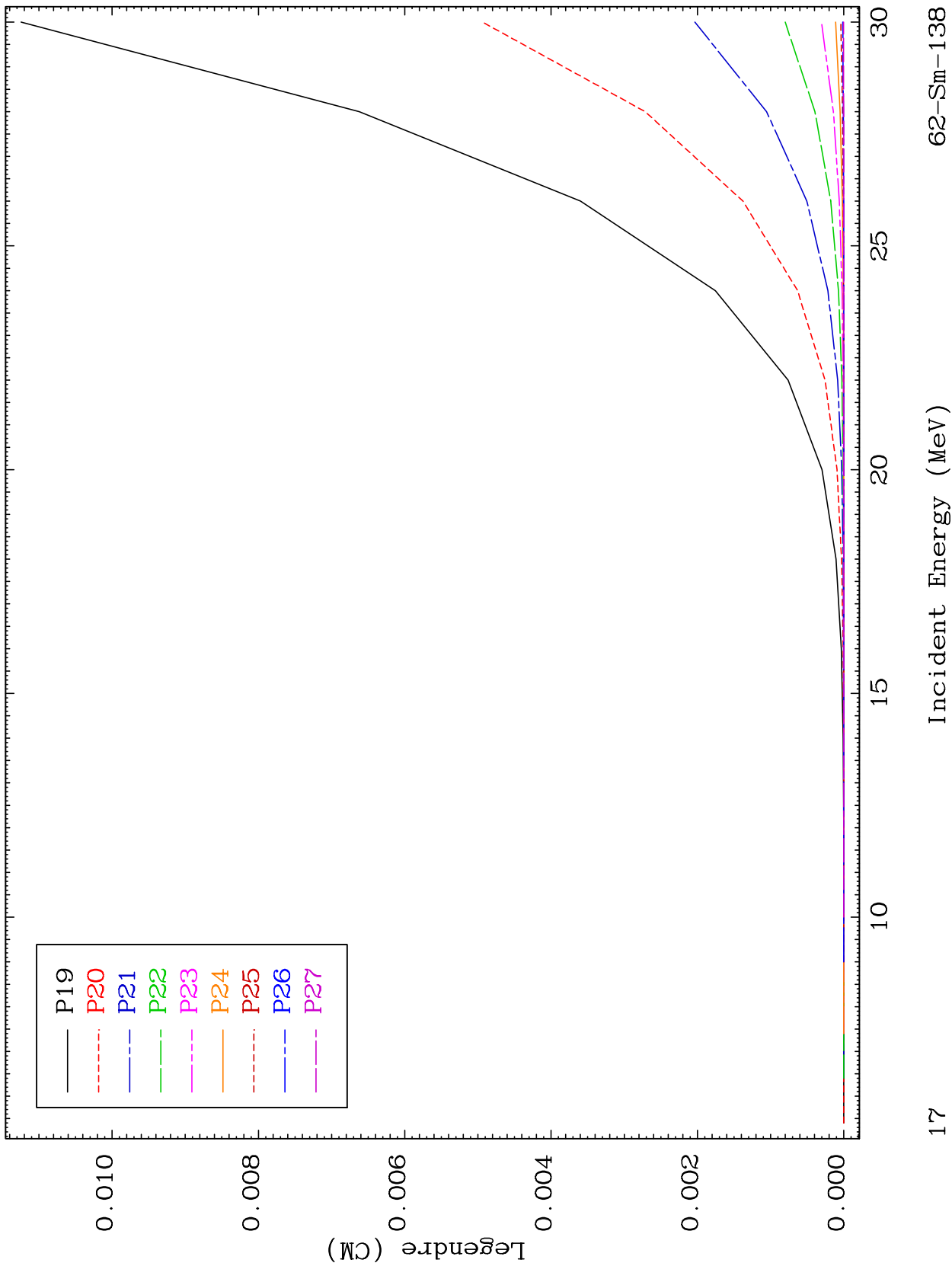
Incident Energy (MeV)

62-Sm-138

MAT 6207

### Elastic Legendre Coefficients

62-Sm-138



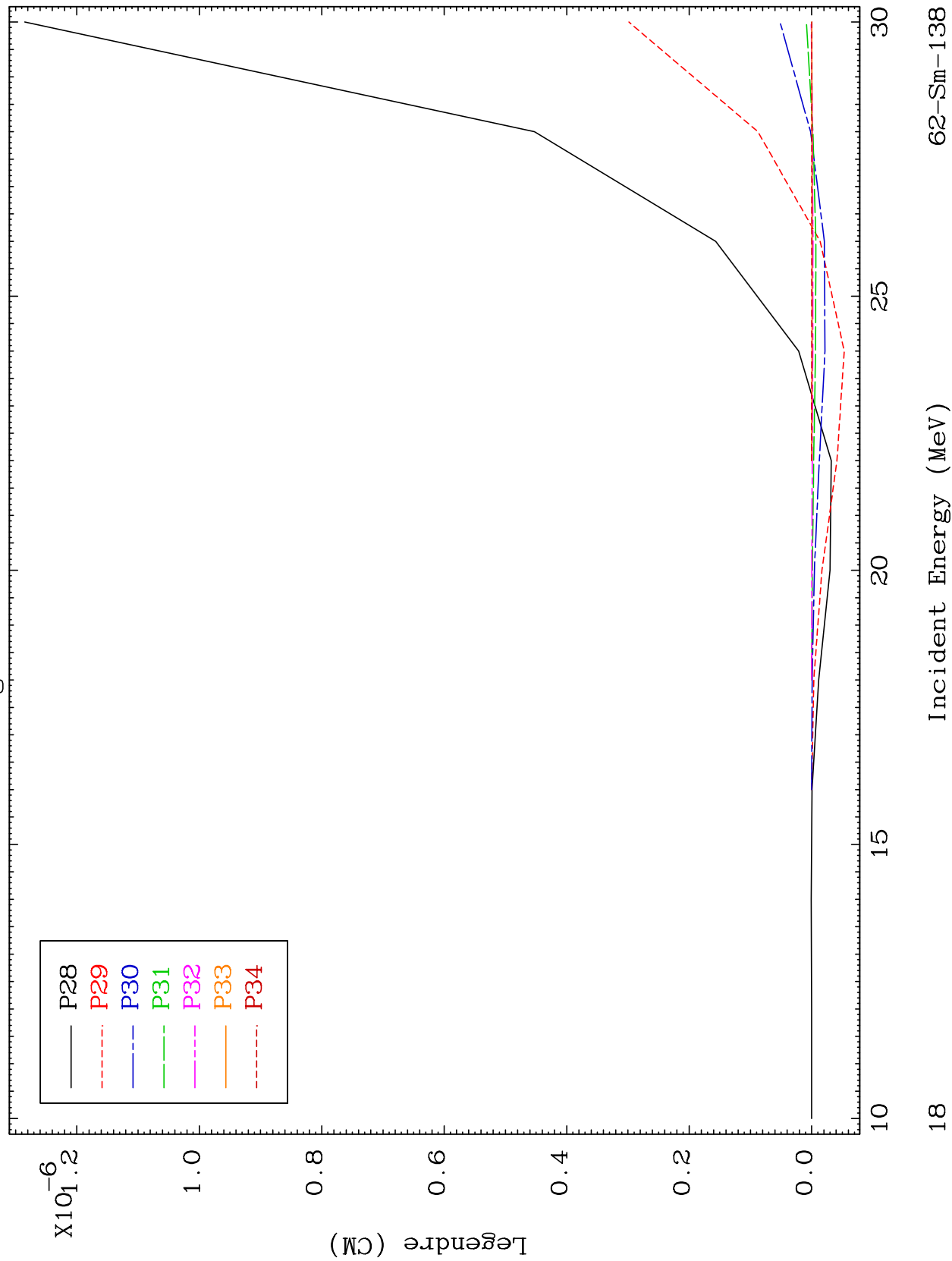
17

62-Sm-138

MAT 6207

Elastic Legendre Coefficients

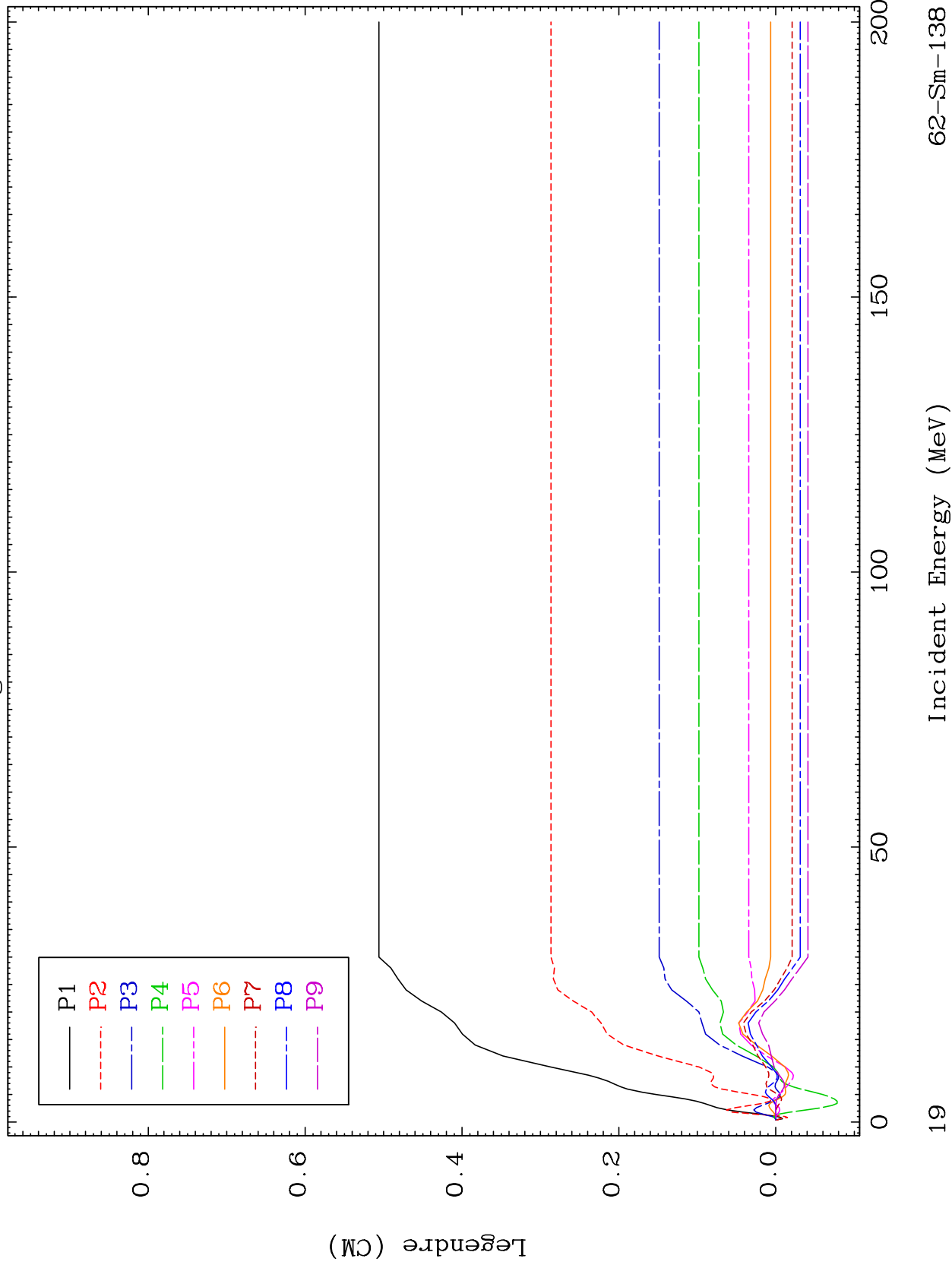
62-Sm-138



18

Incident Energy (MeV)

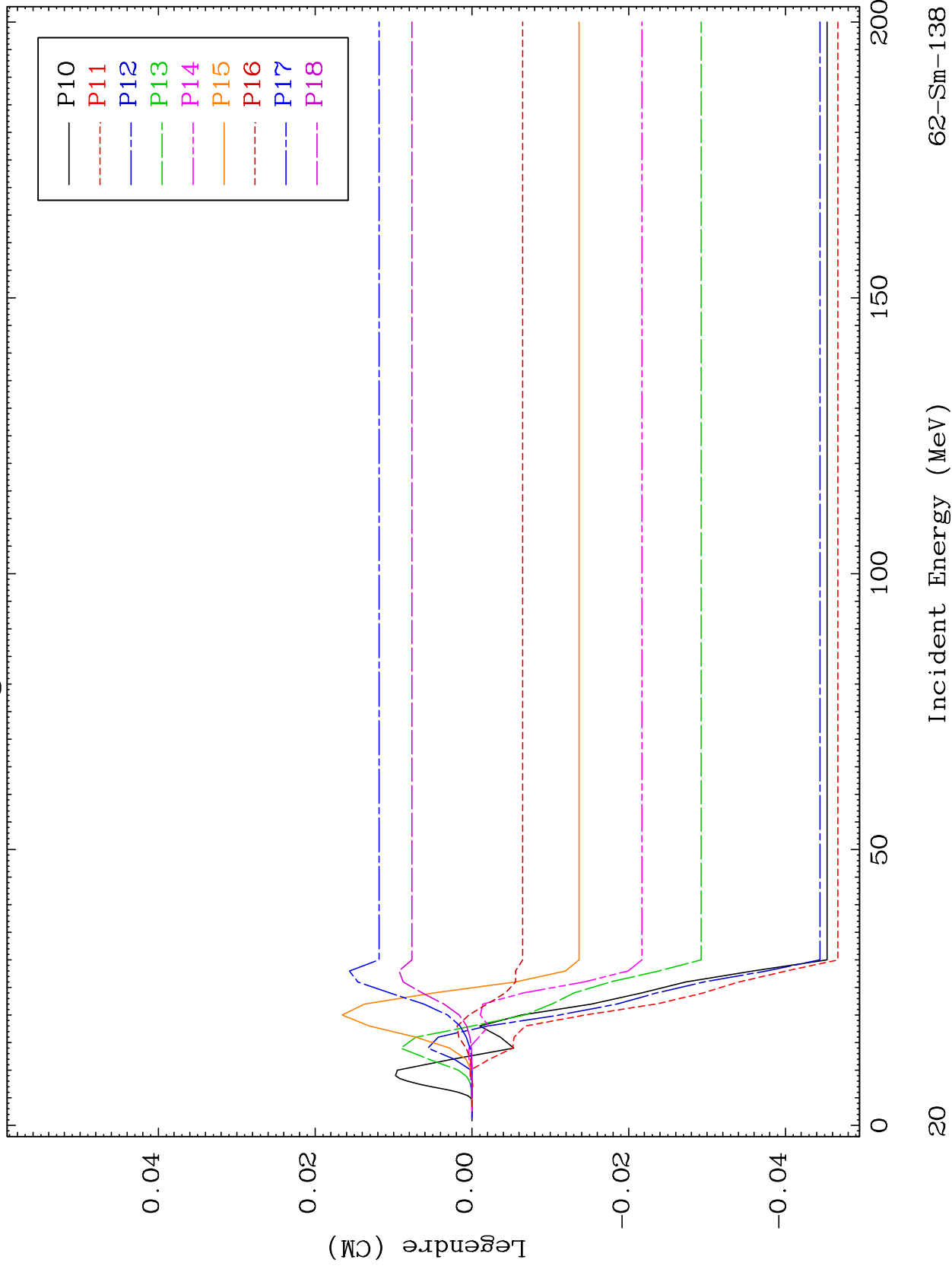
62-Sm-138

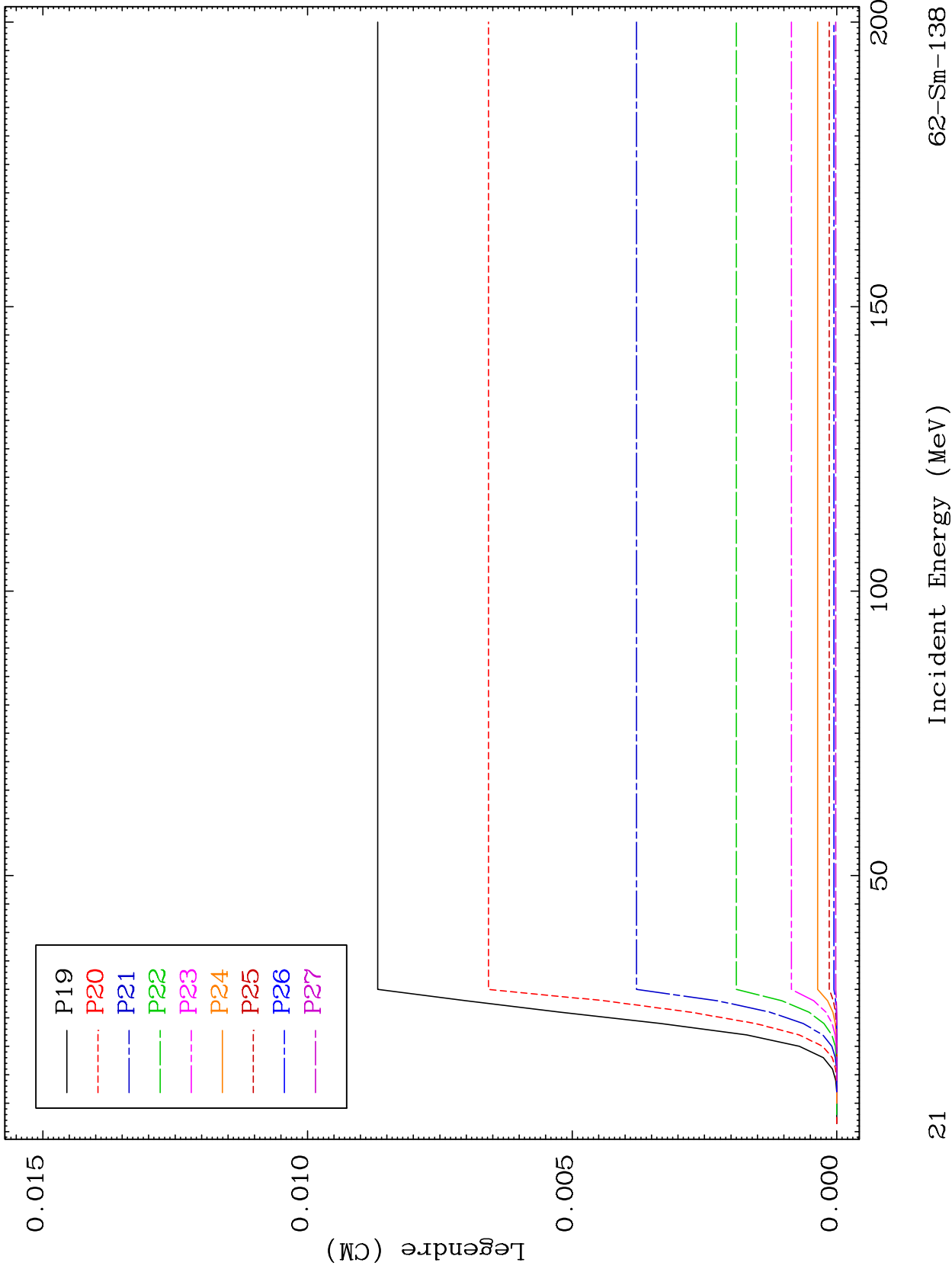


MAT 6207

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

62-Sm-138

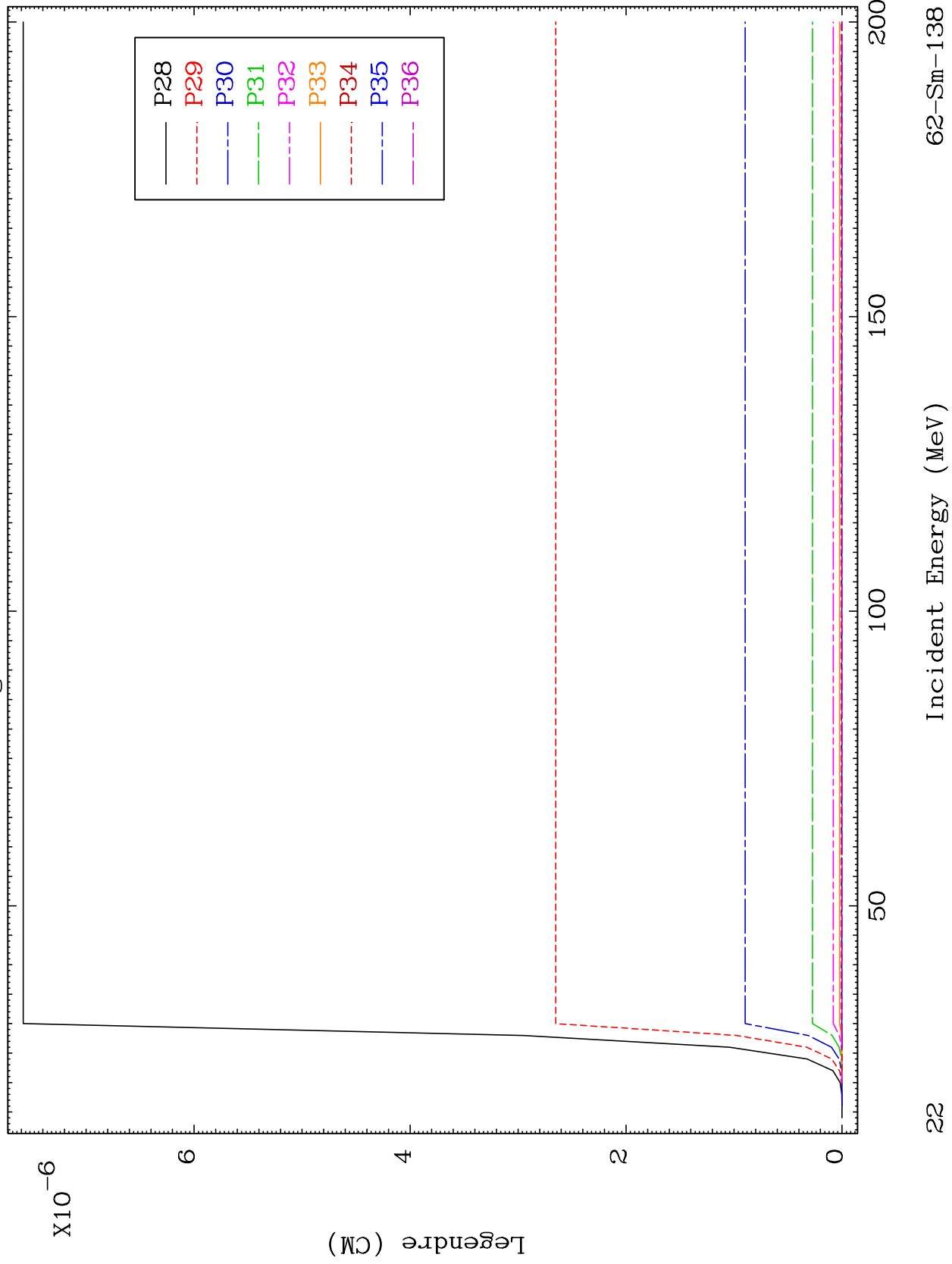




MAT 6207

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

62-Sm-138



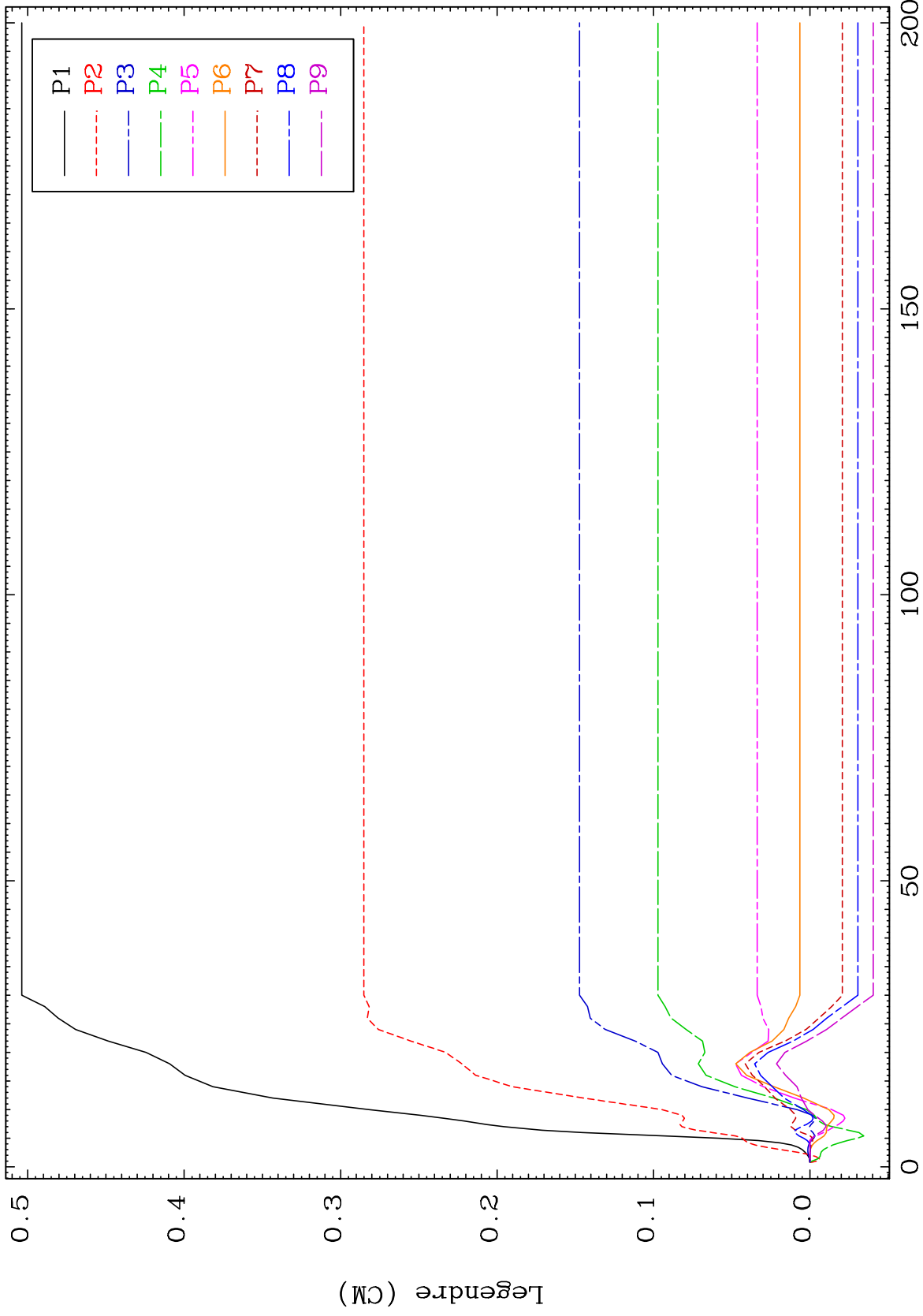
22

62-Sm-138

MAT 6207

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

62-Sm-138

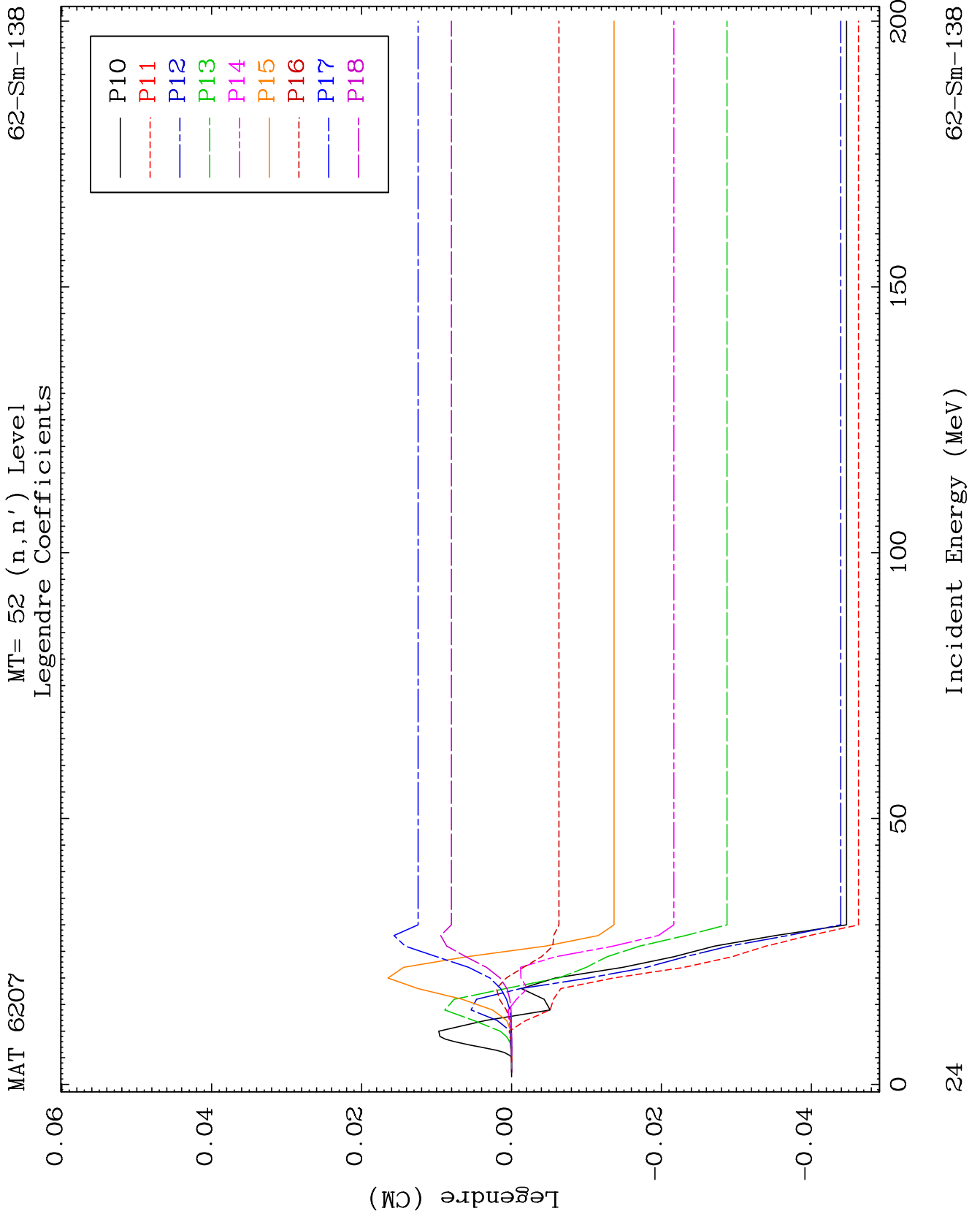


23

Incident Energy (MeV)

62-Sm-138

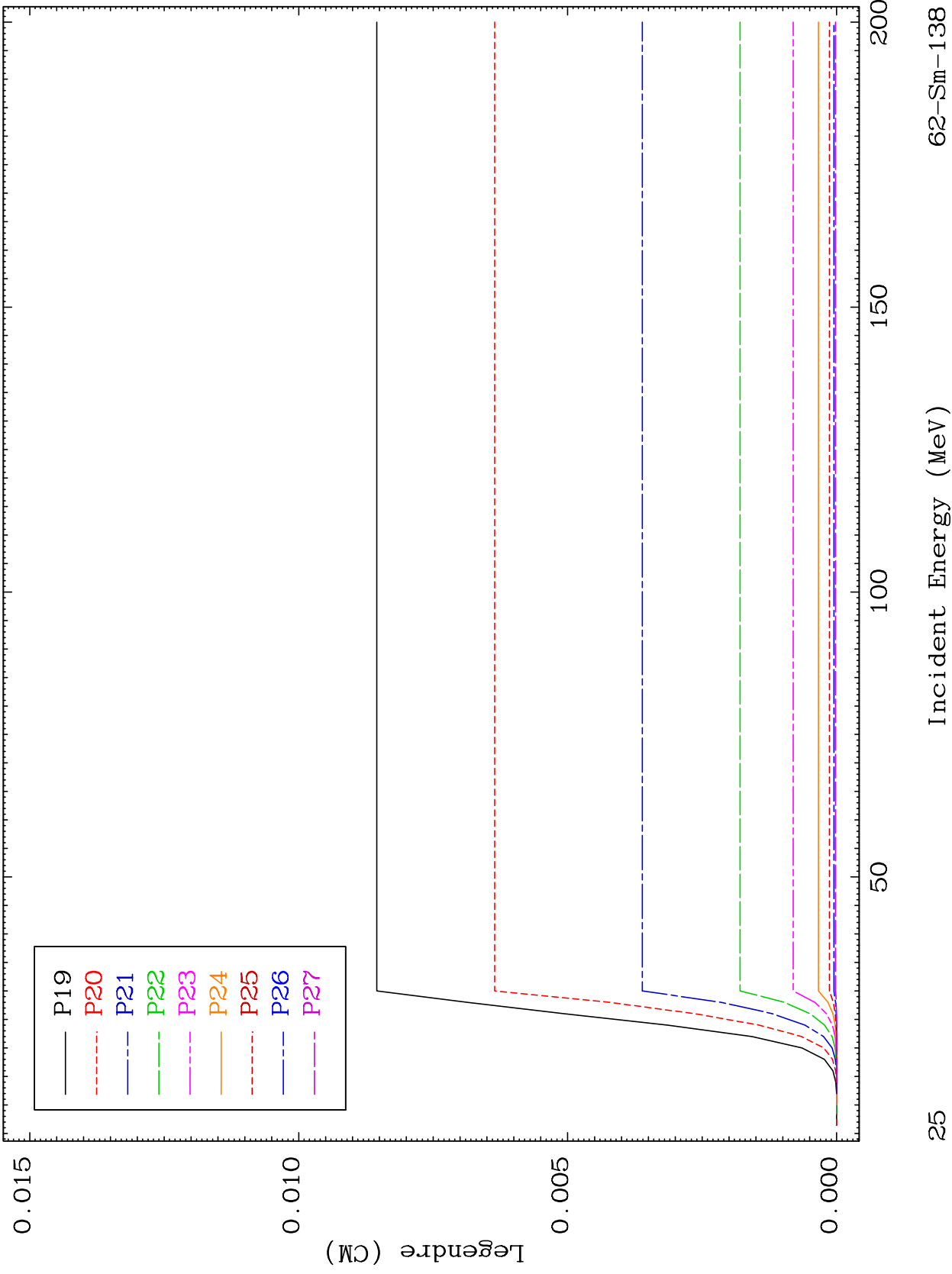




MAT 6207

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

62-Sm-138



25

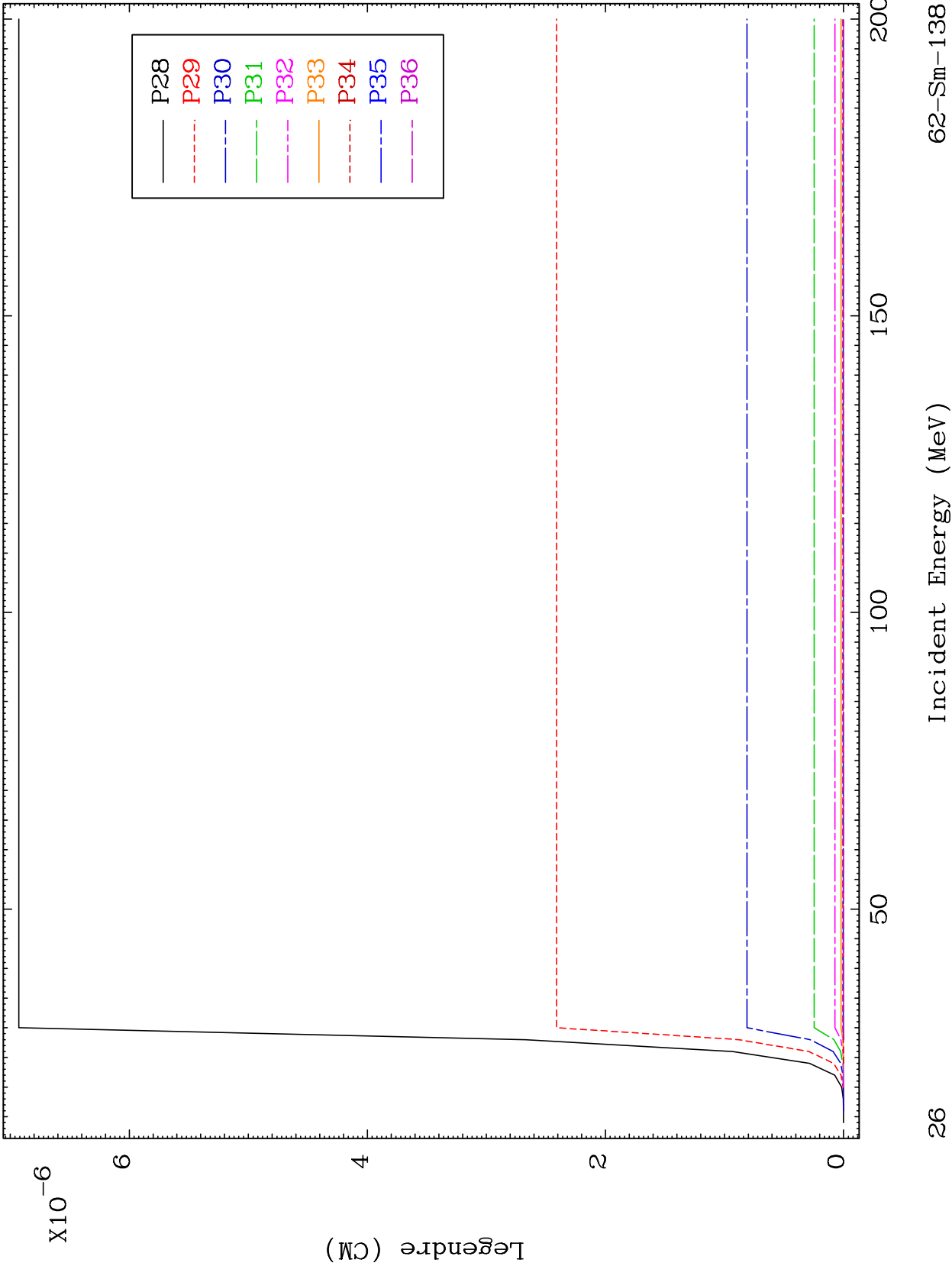
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



26

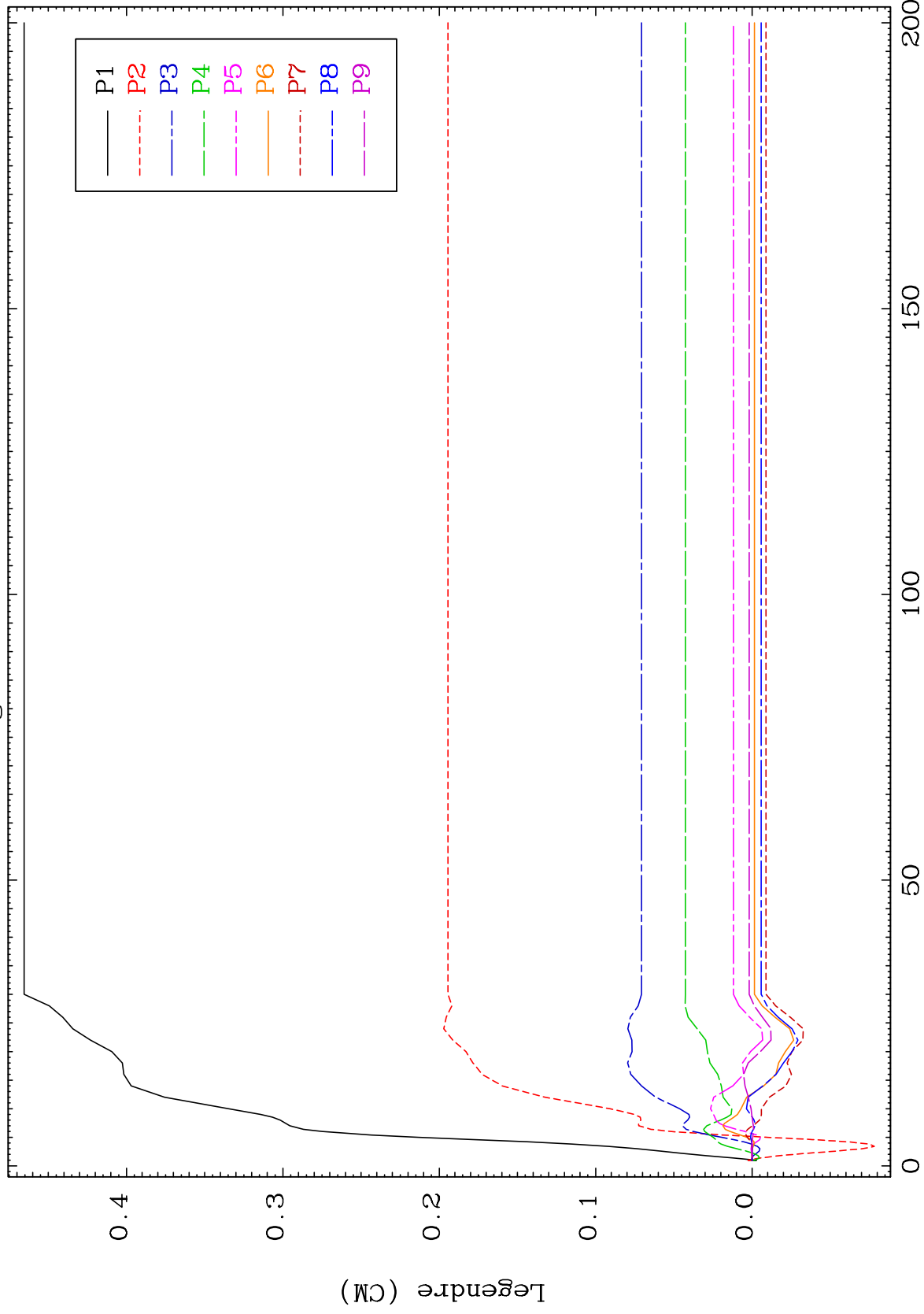
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



27

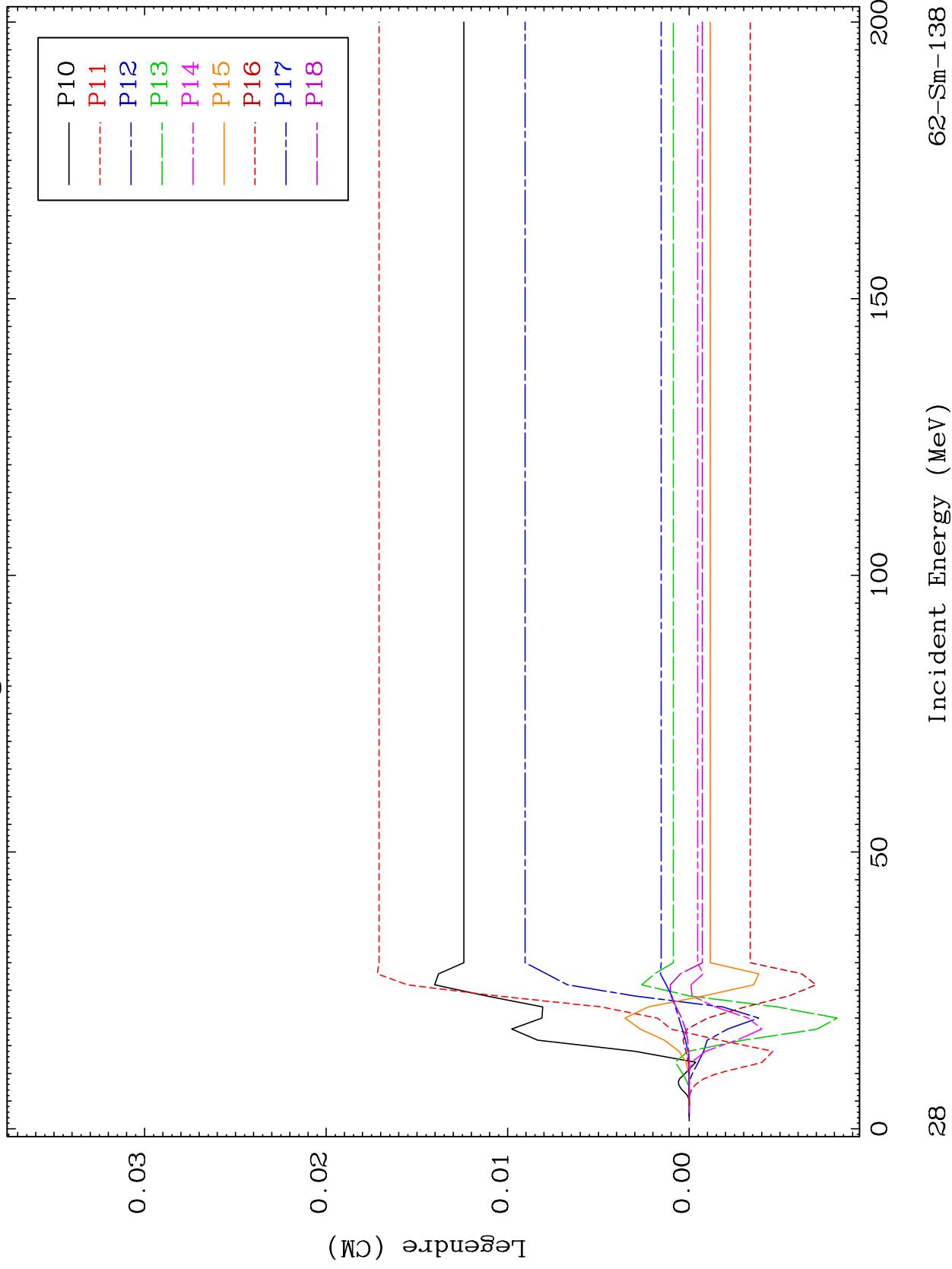
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

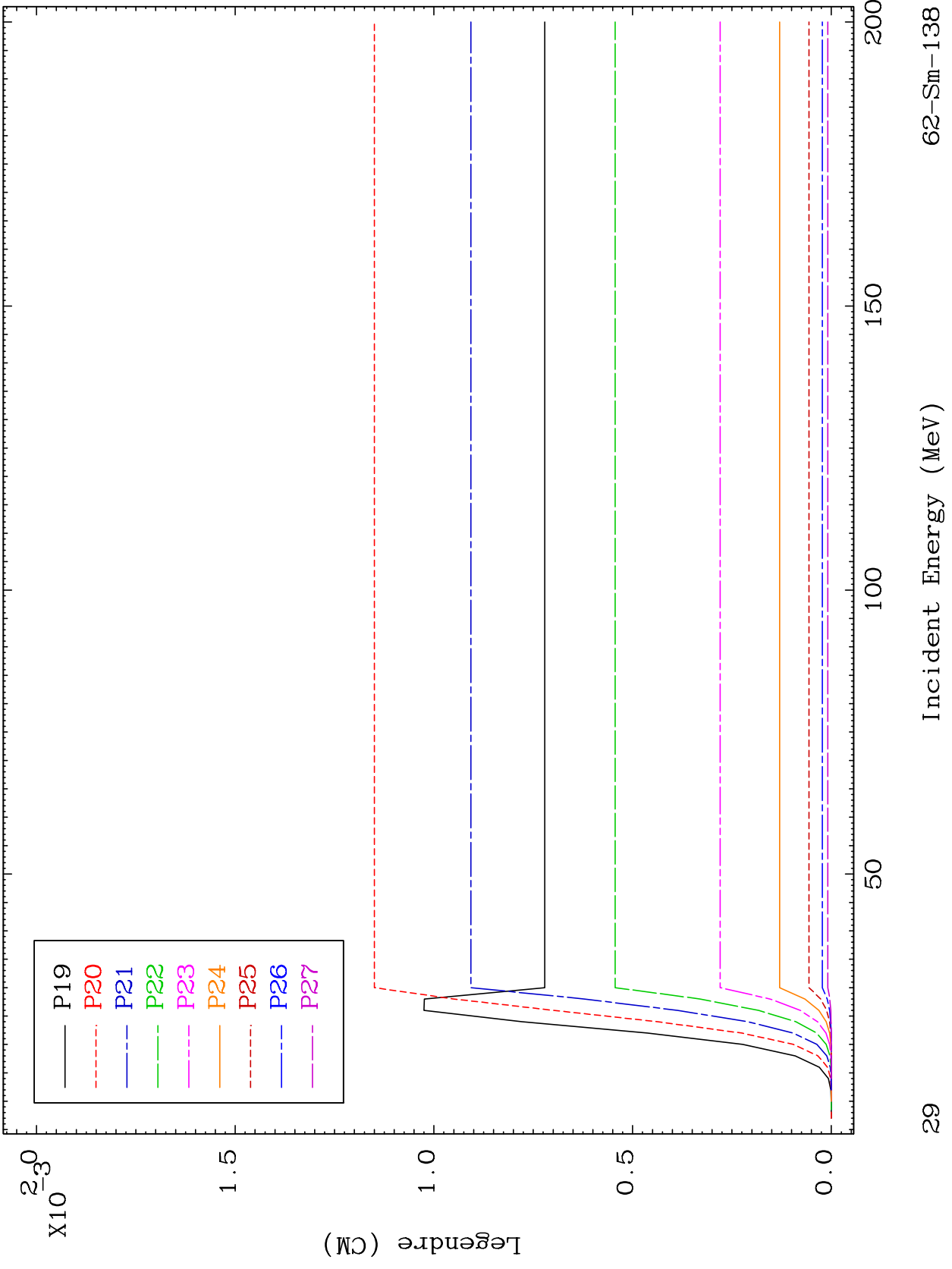
62-Sm-138



62-Sm-138

Incident Energy (MeV)

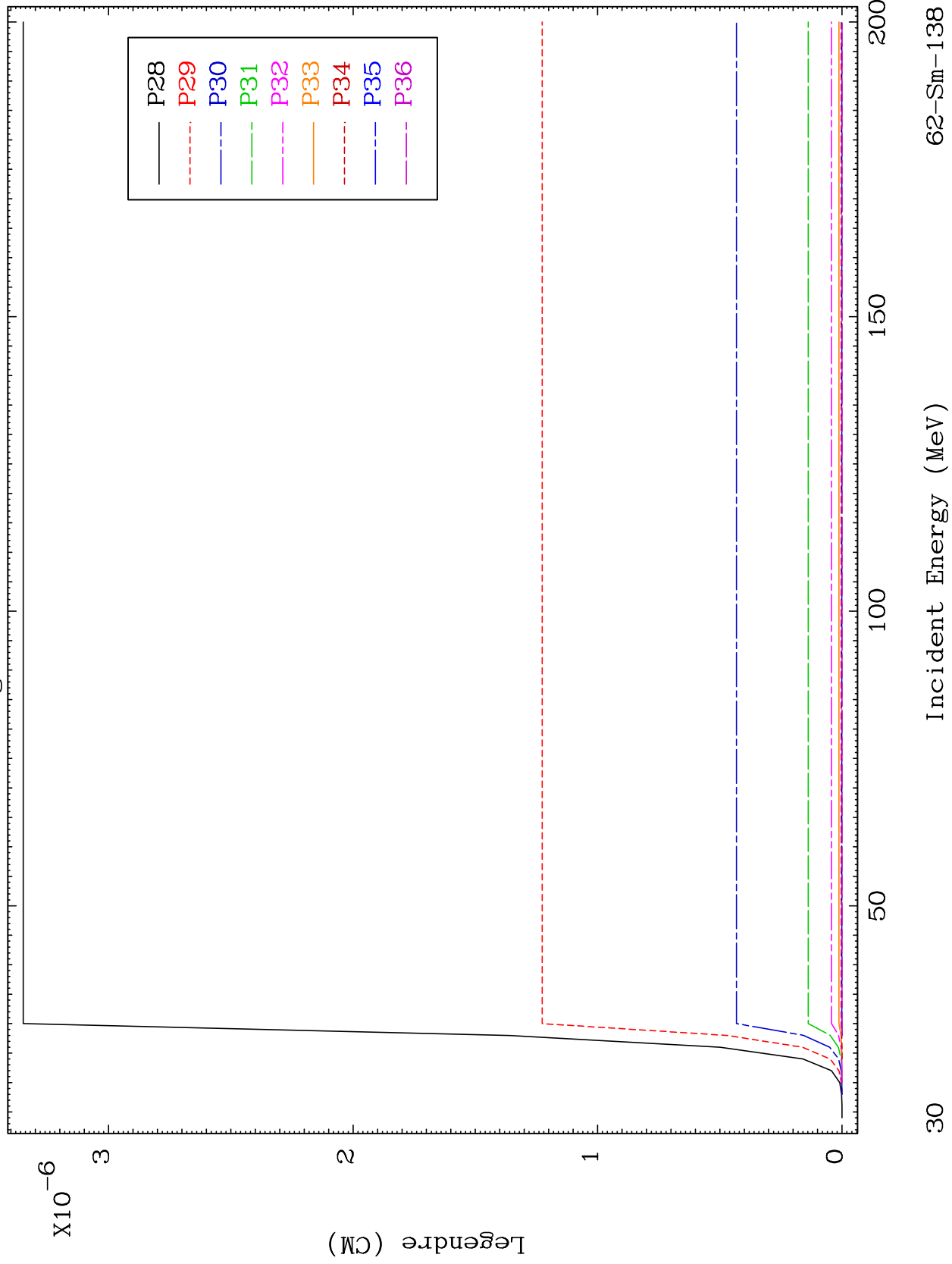
28



MAT 6207

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

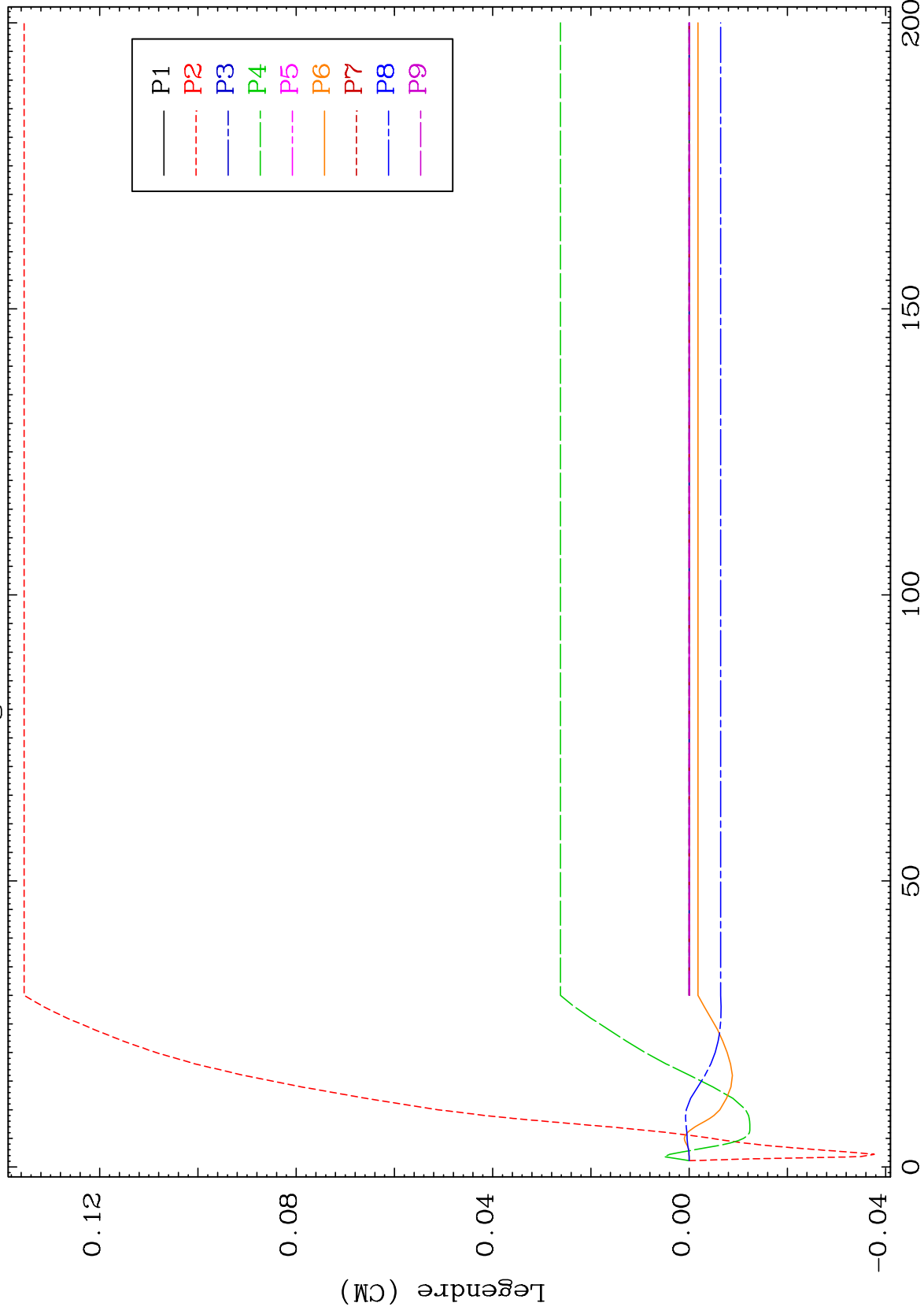
62-Sm-138



MAT 6207

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

62-Sm-138



31

Incident Energy (MeV)

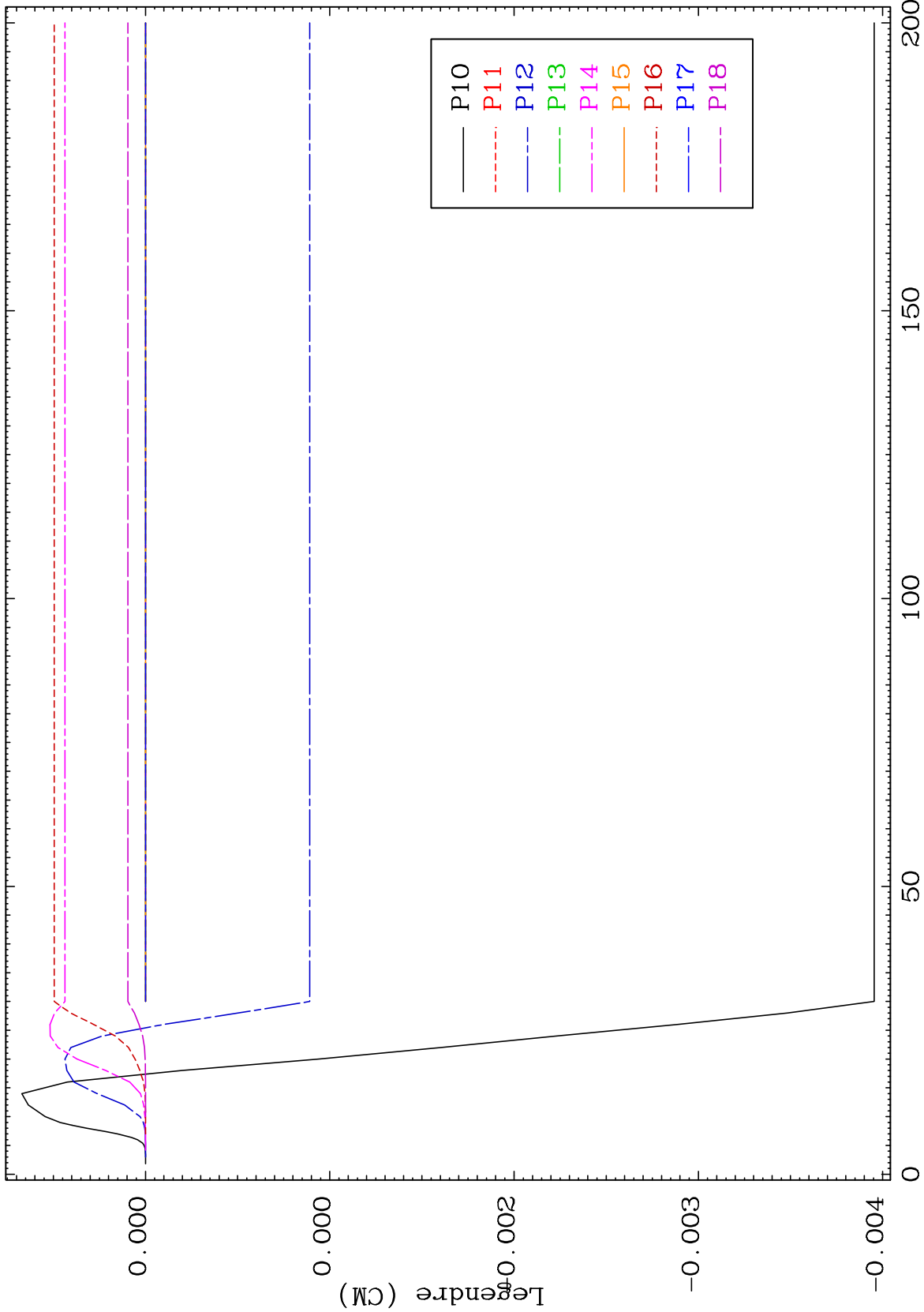
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MAT 6207

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

62-Sm-138



32

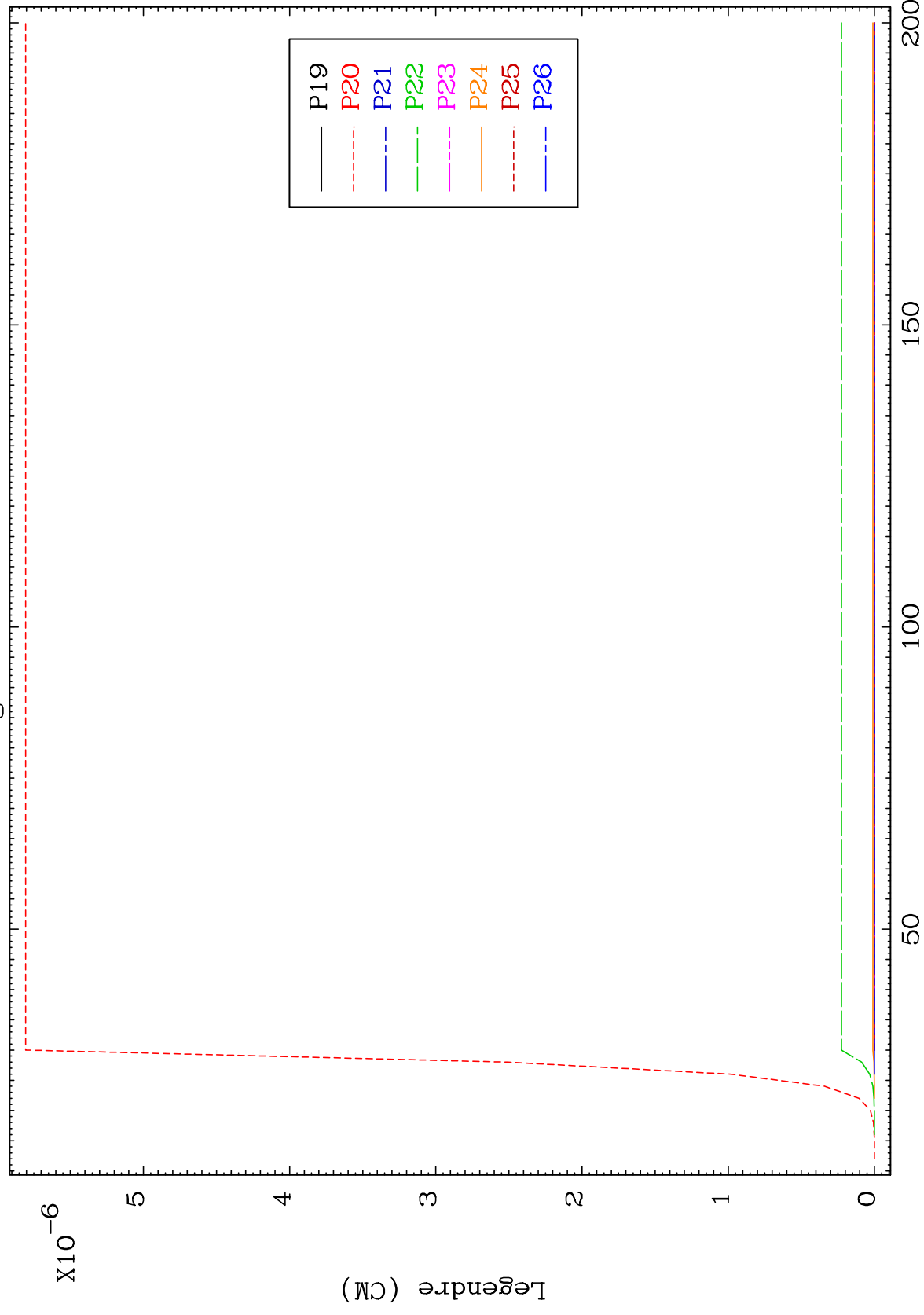
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



33

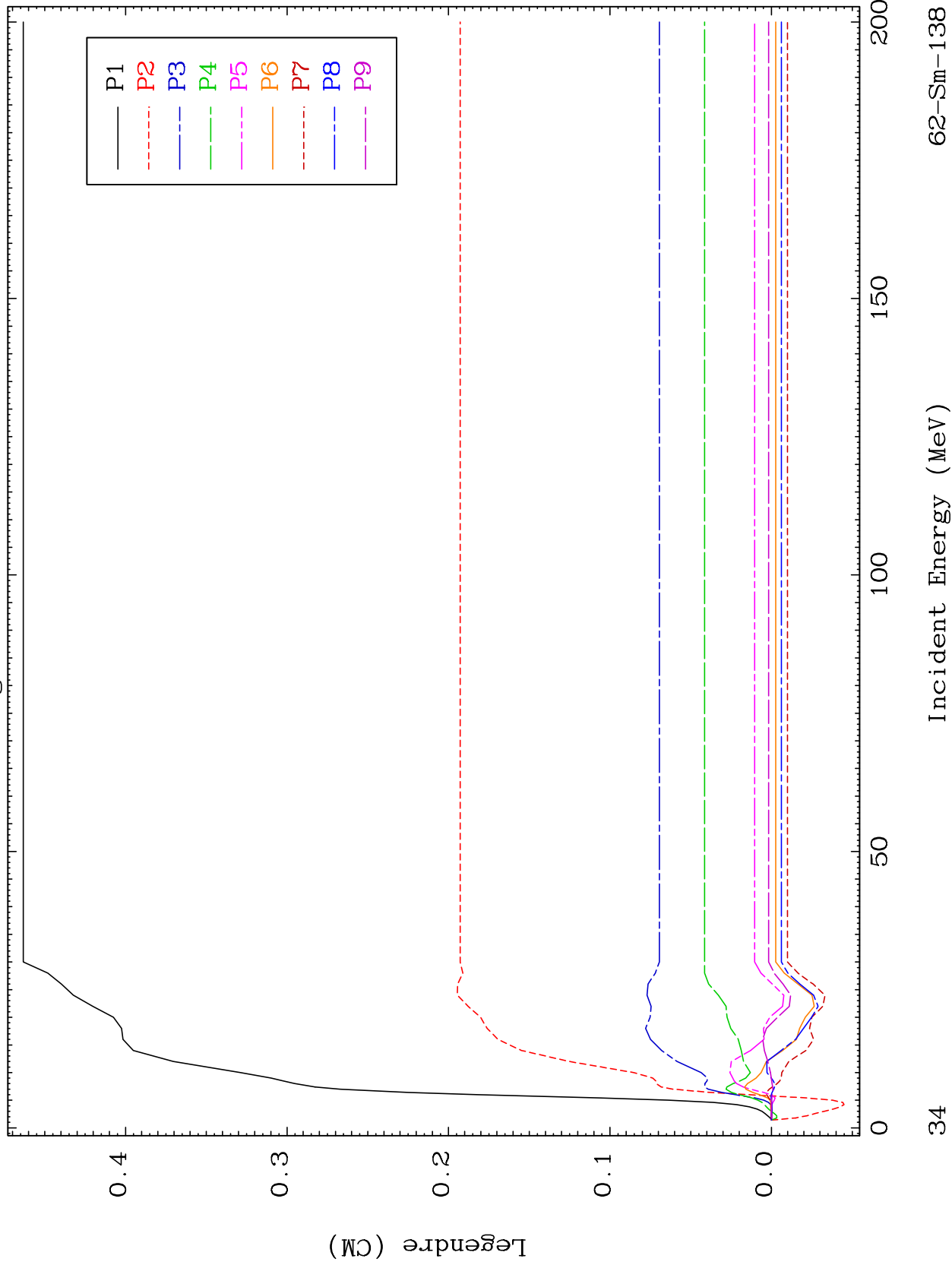
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



62-Sm-138

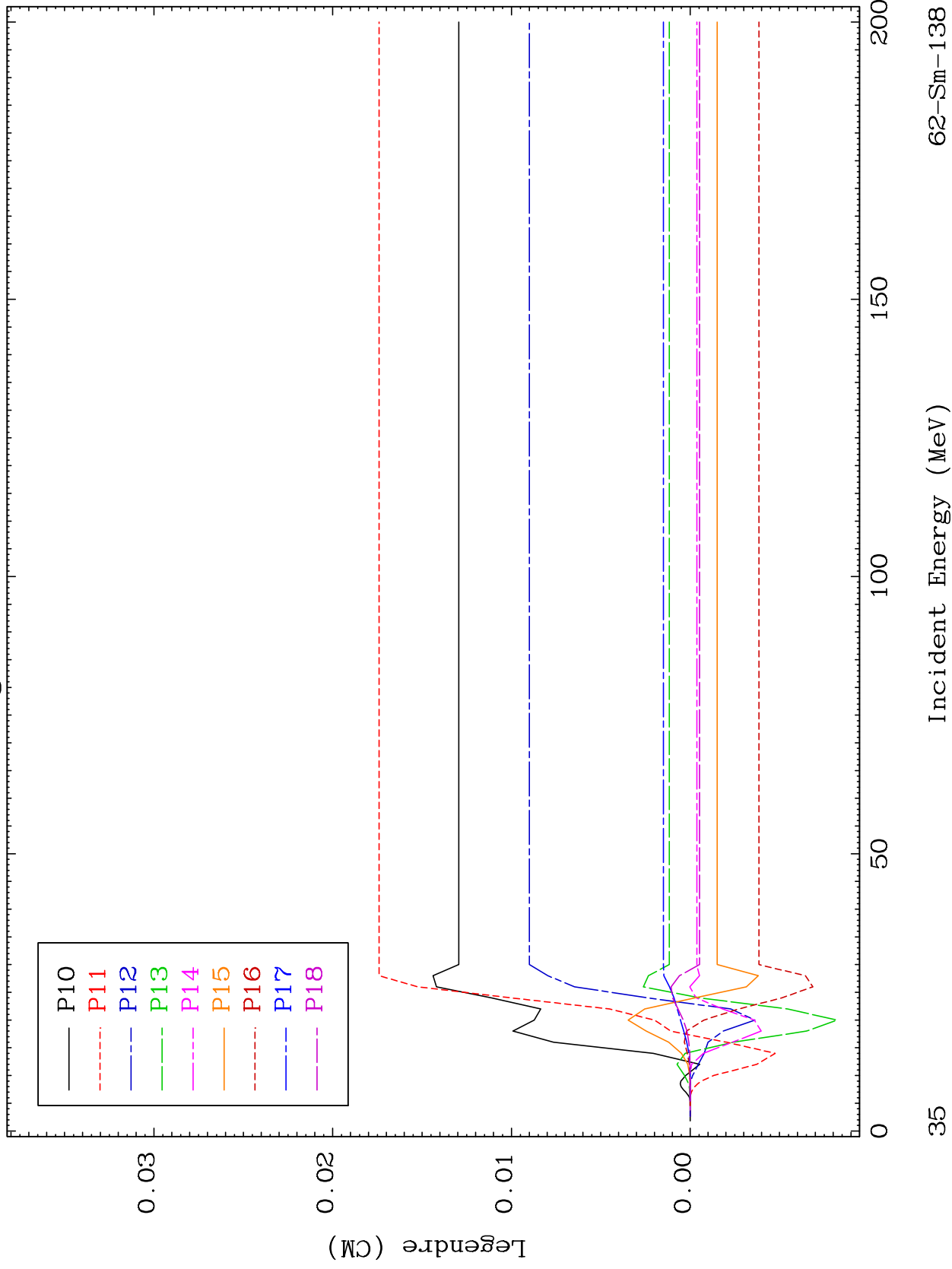
Incident Energy (MeV)

34

MAT 6207

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

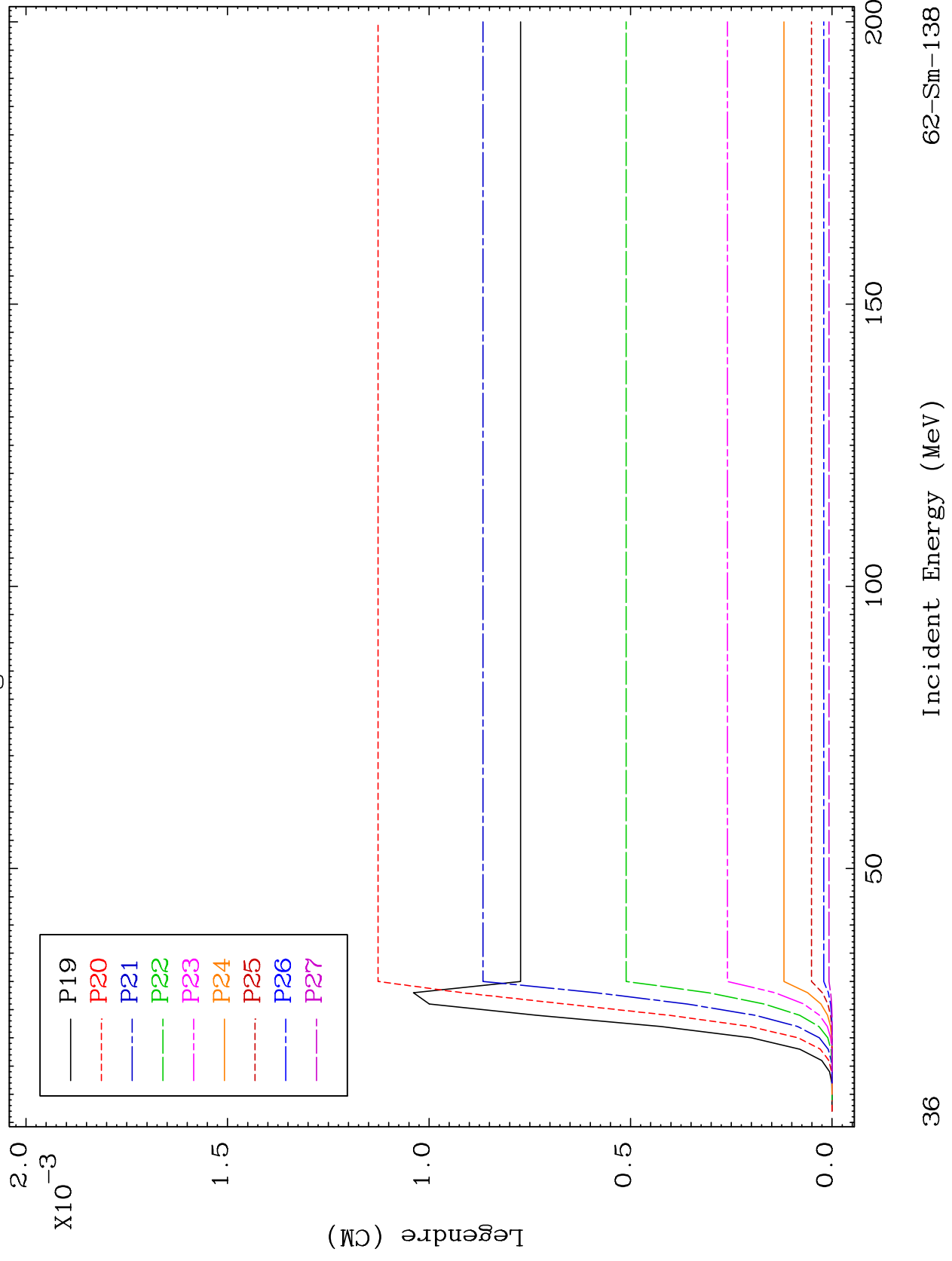
62-Sm-138



62-Sm-138

Incident Energy (MeV)

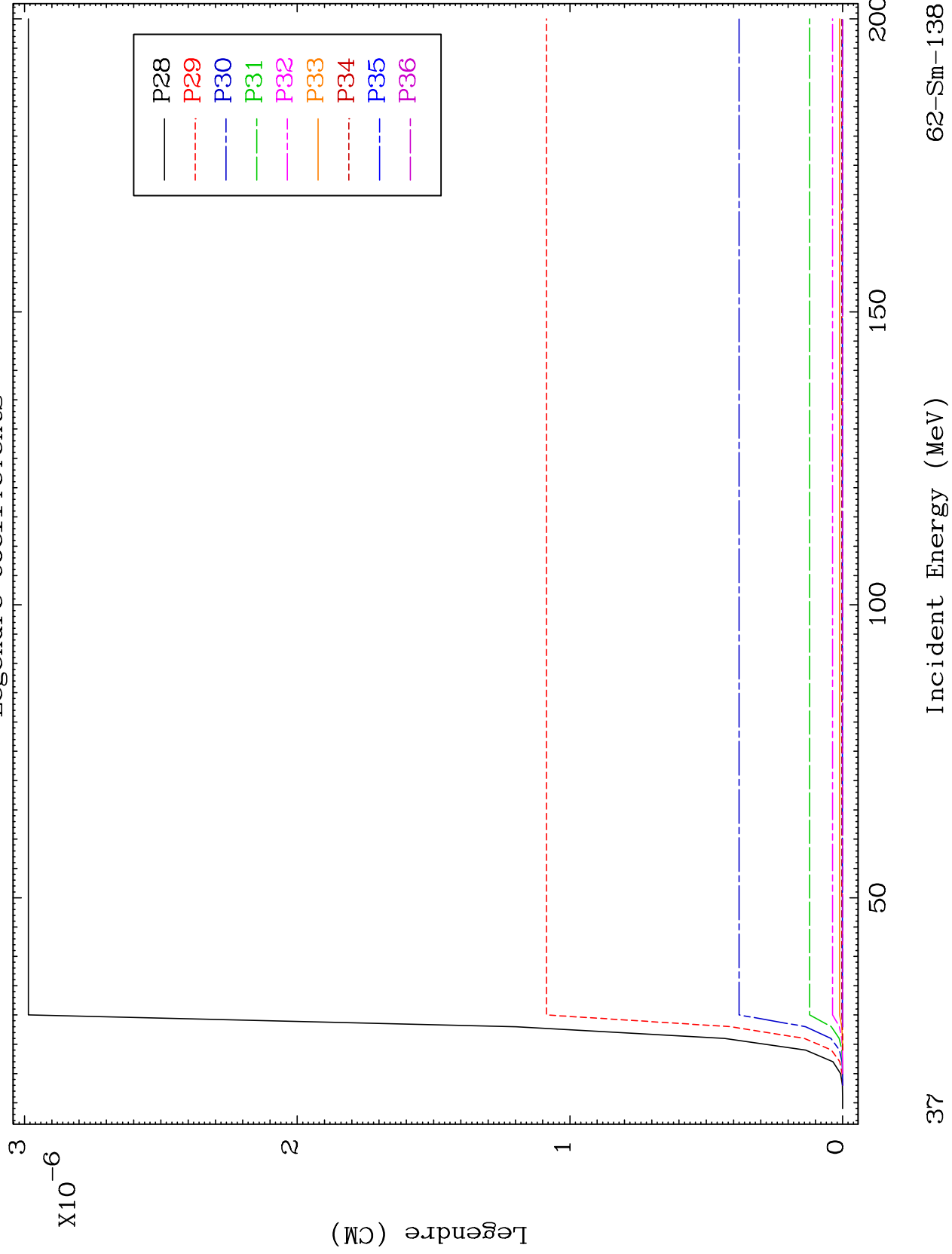
35



MAT 6207

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

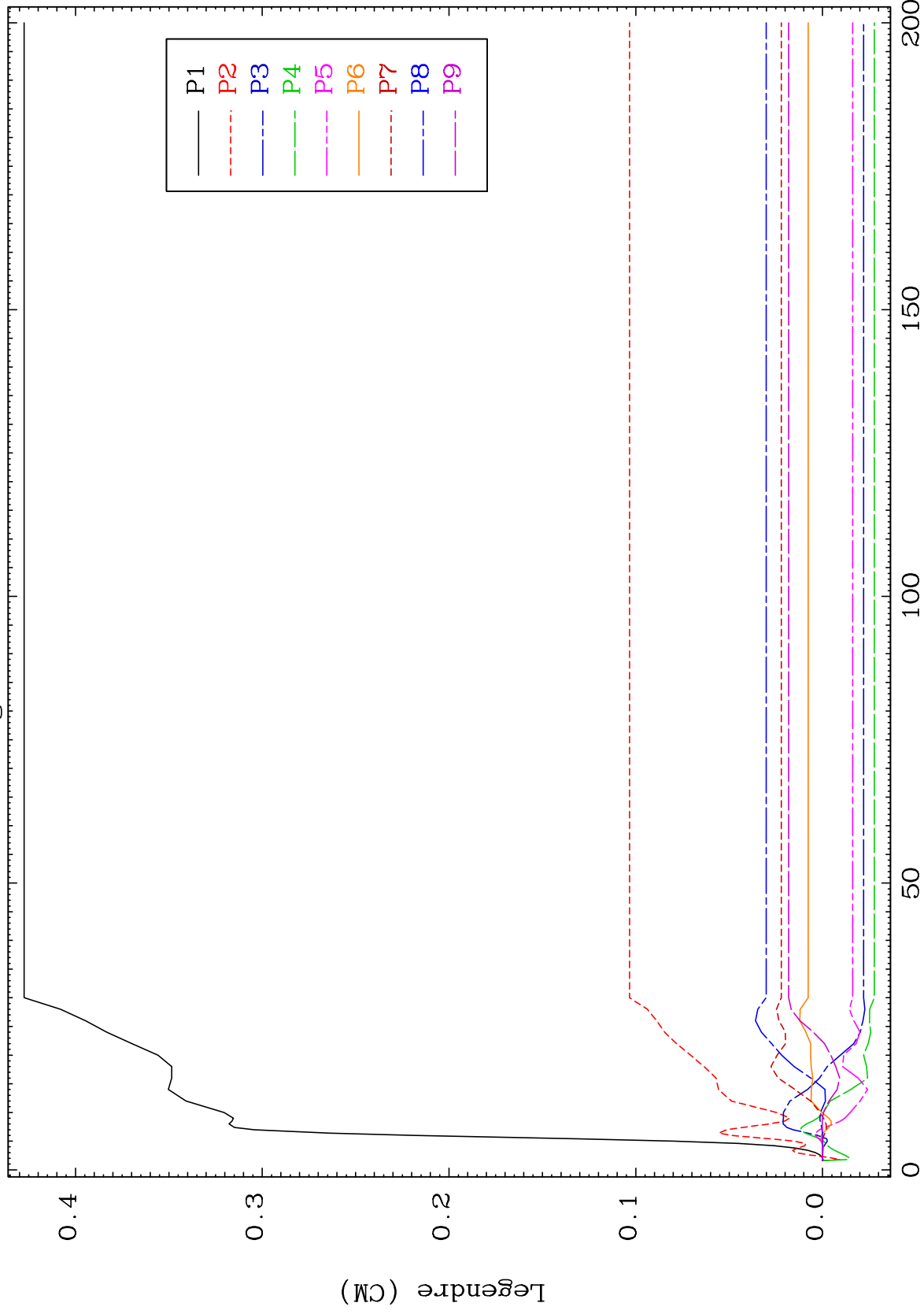
62-Sm-138



MAT 6207

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

62-Sm-138



38

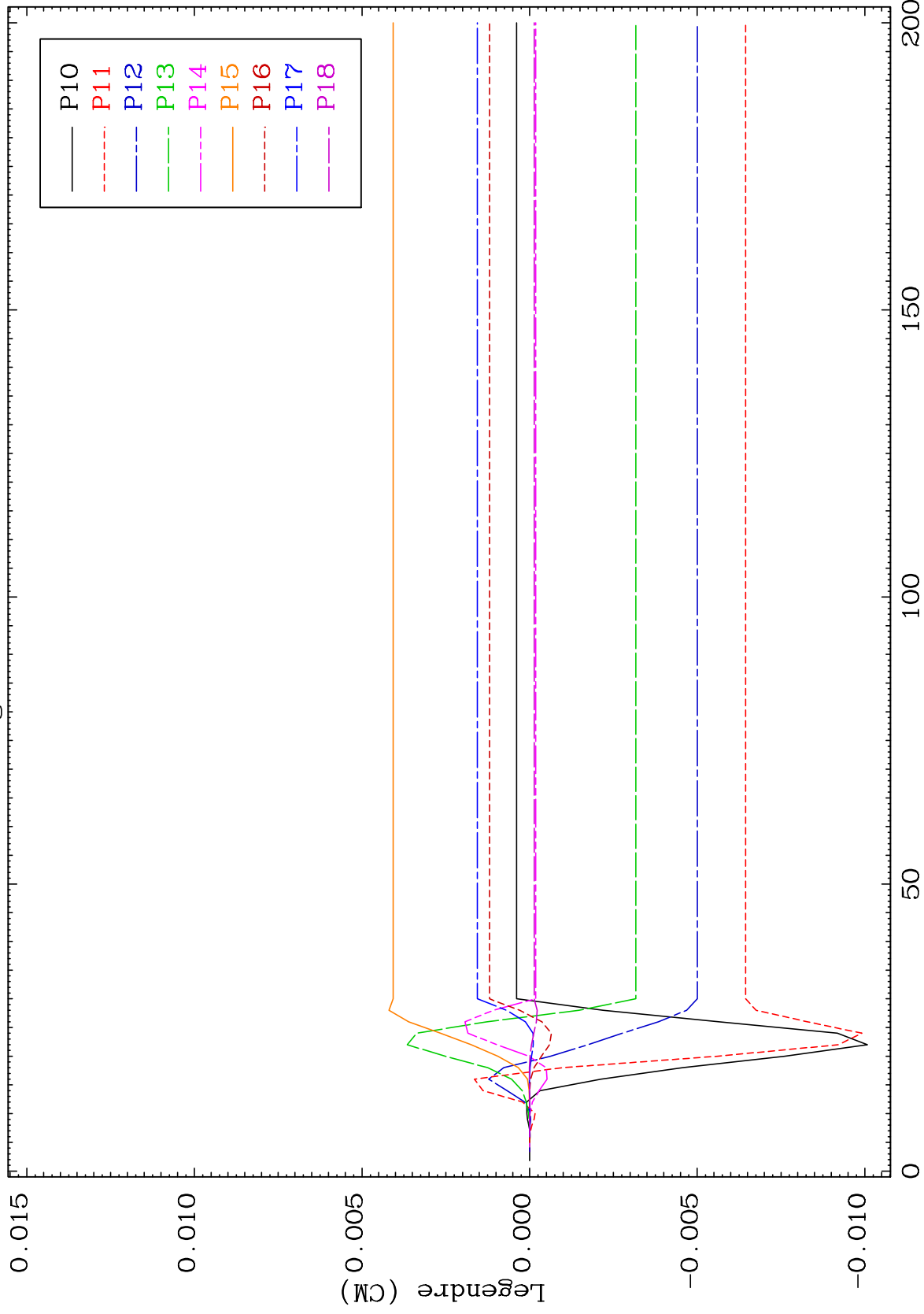
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



39

Incident Energy (MeV)

62-Sm-138

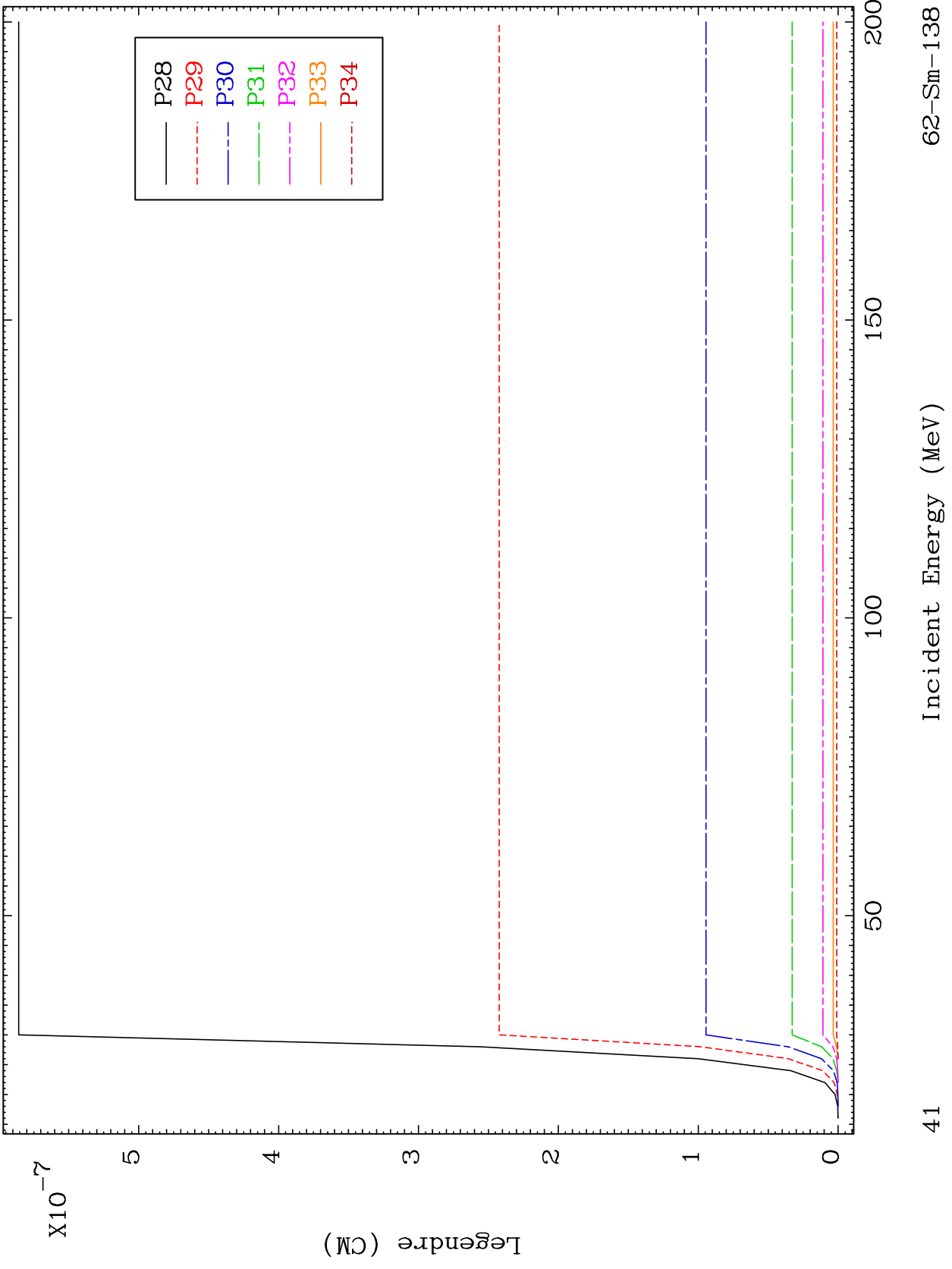




MAT 6207

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

62-Sm-138



41

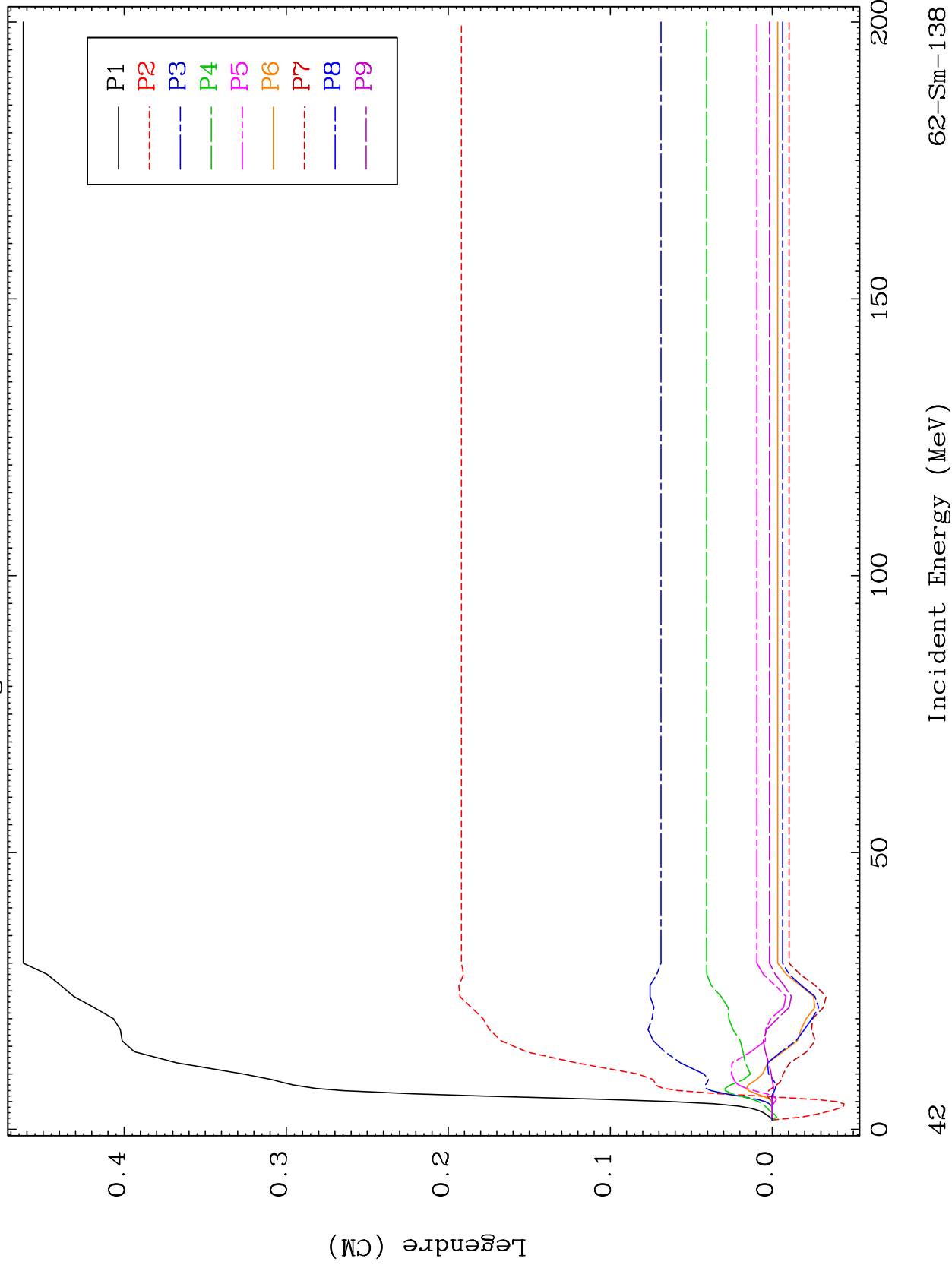
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138

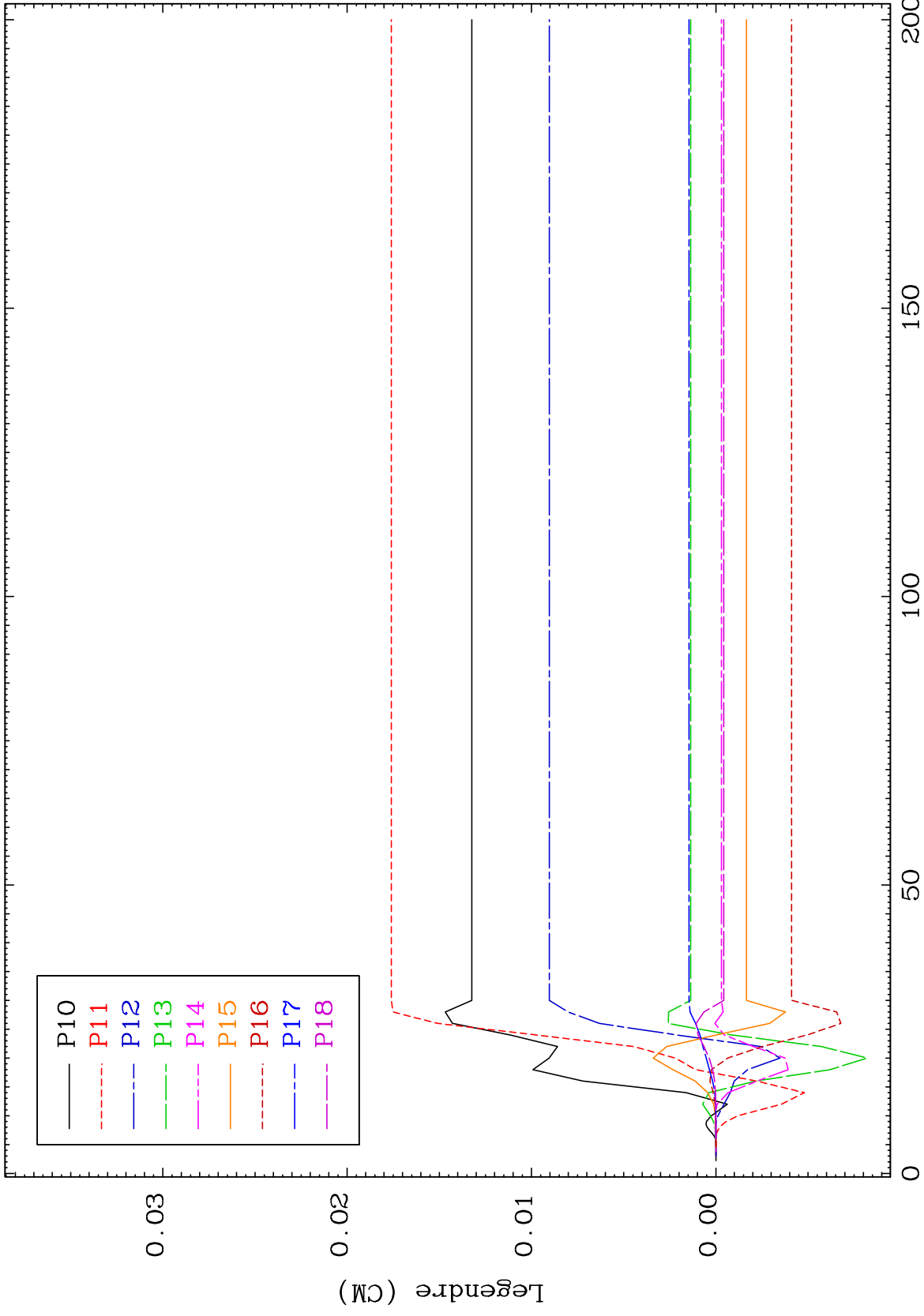


42

MAT 6207

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

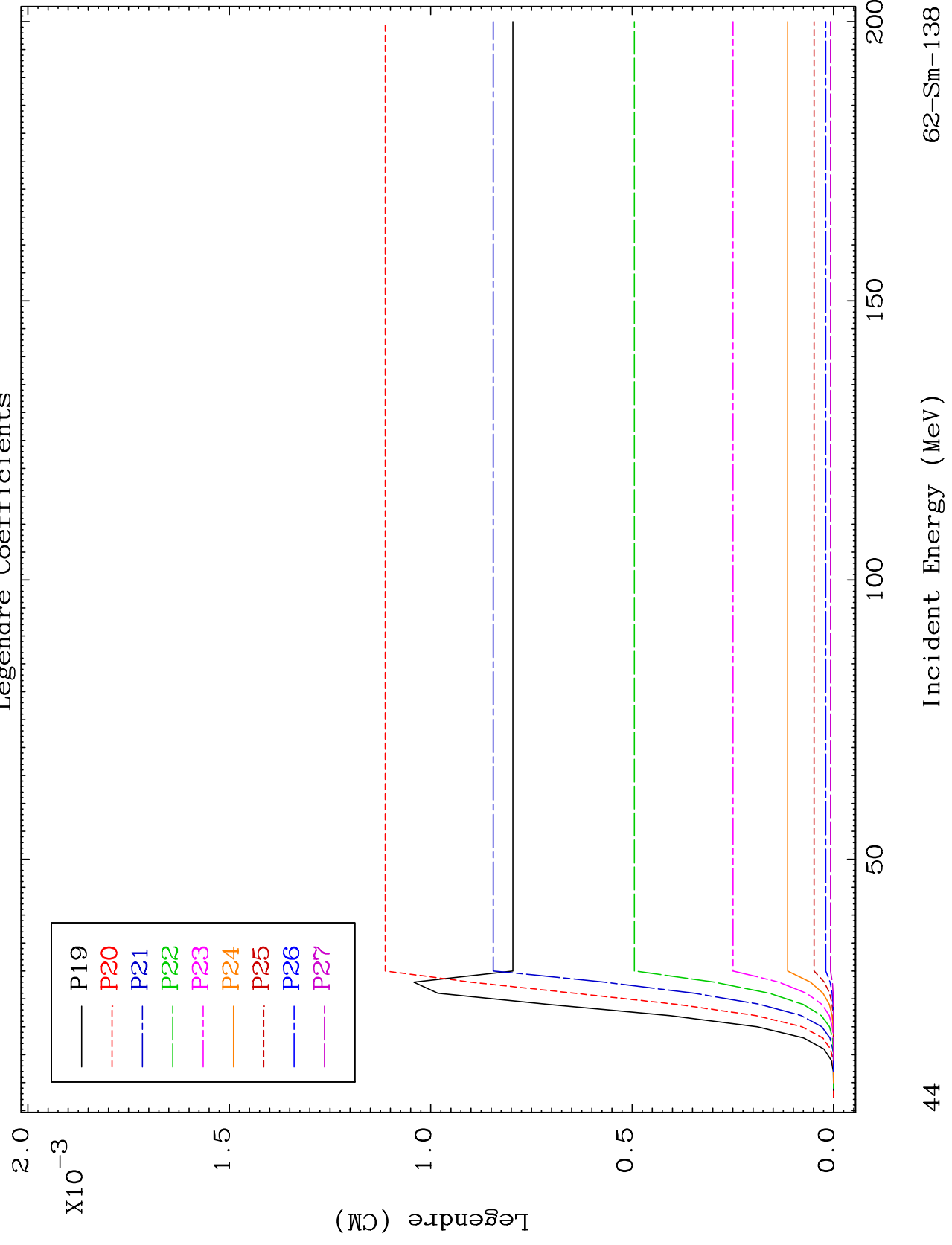
62-Sm-138



43

Incident Energy (MeV)

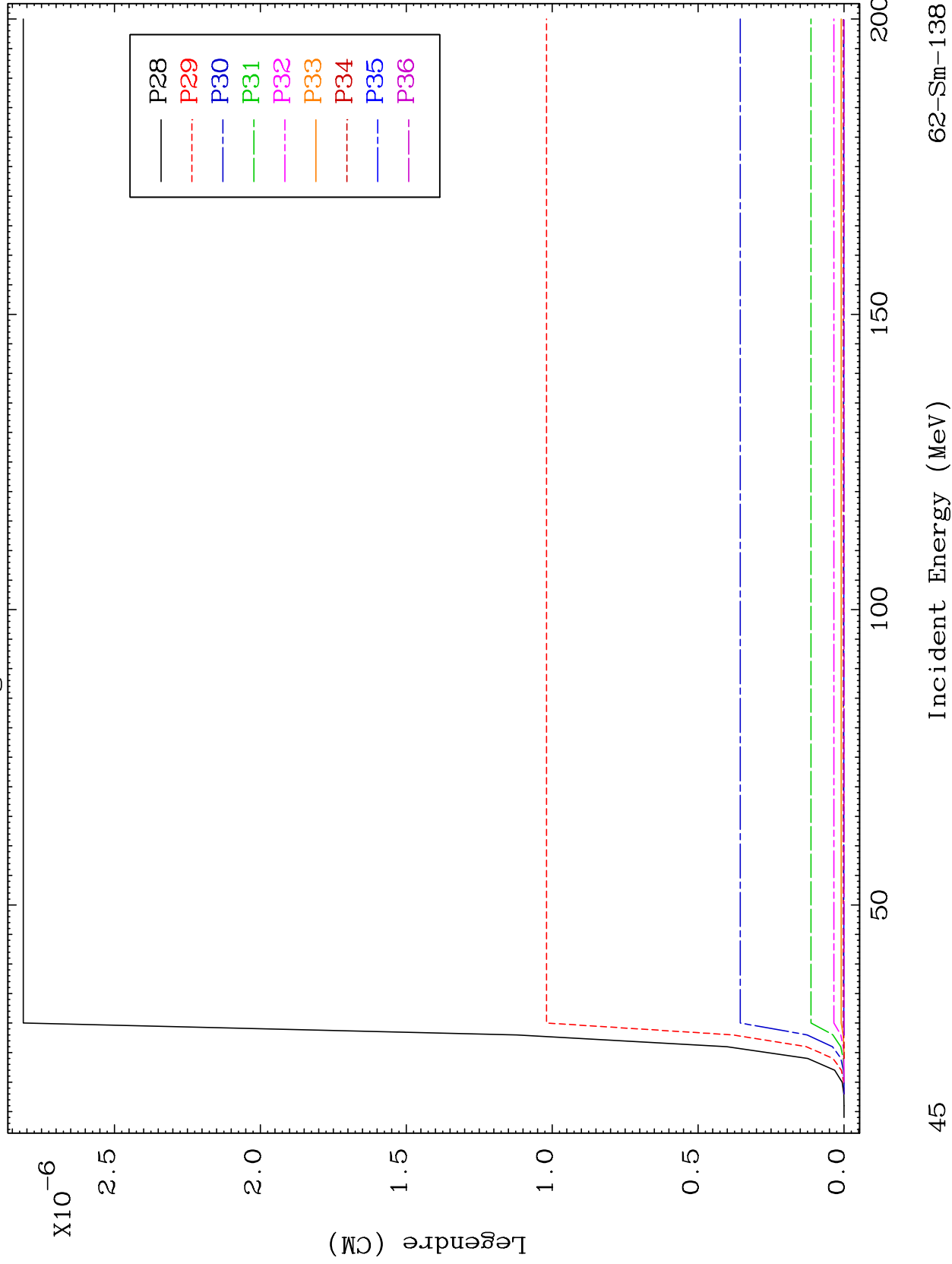
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MAT 6207

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

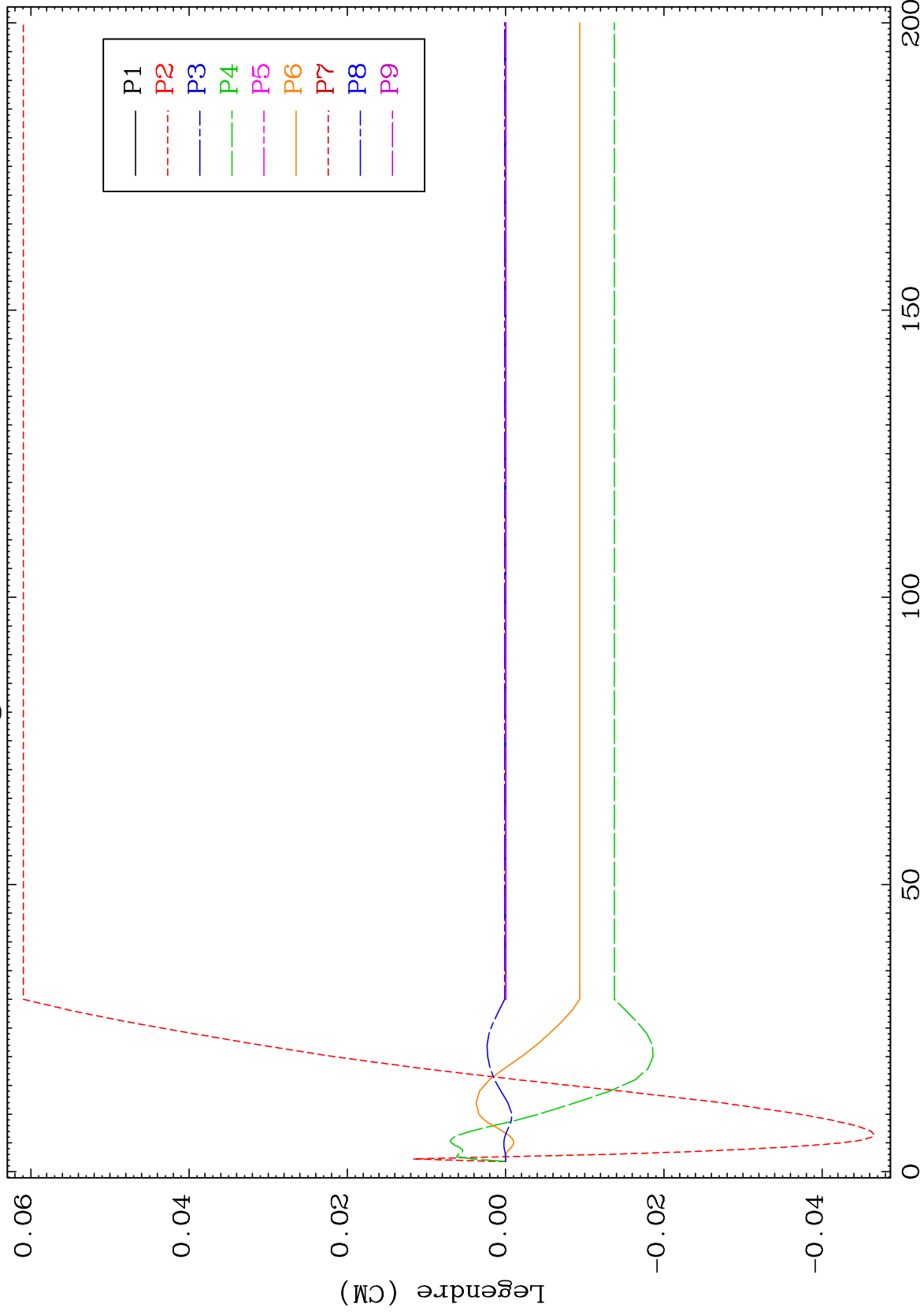
62-Sm-138



MAT 6207

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

62-Sm-138



46

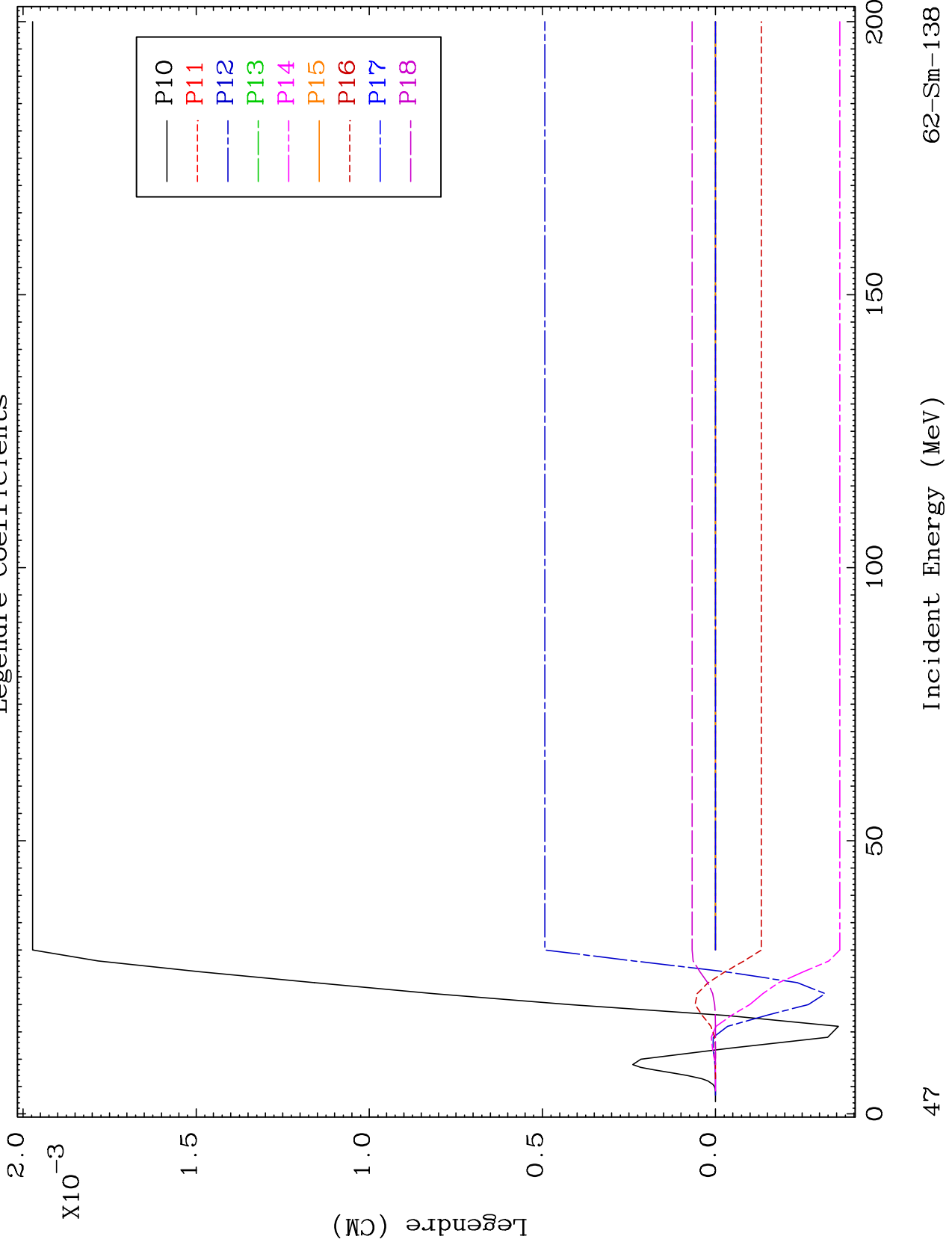
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138

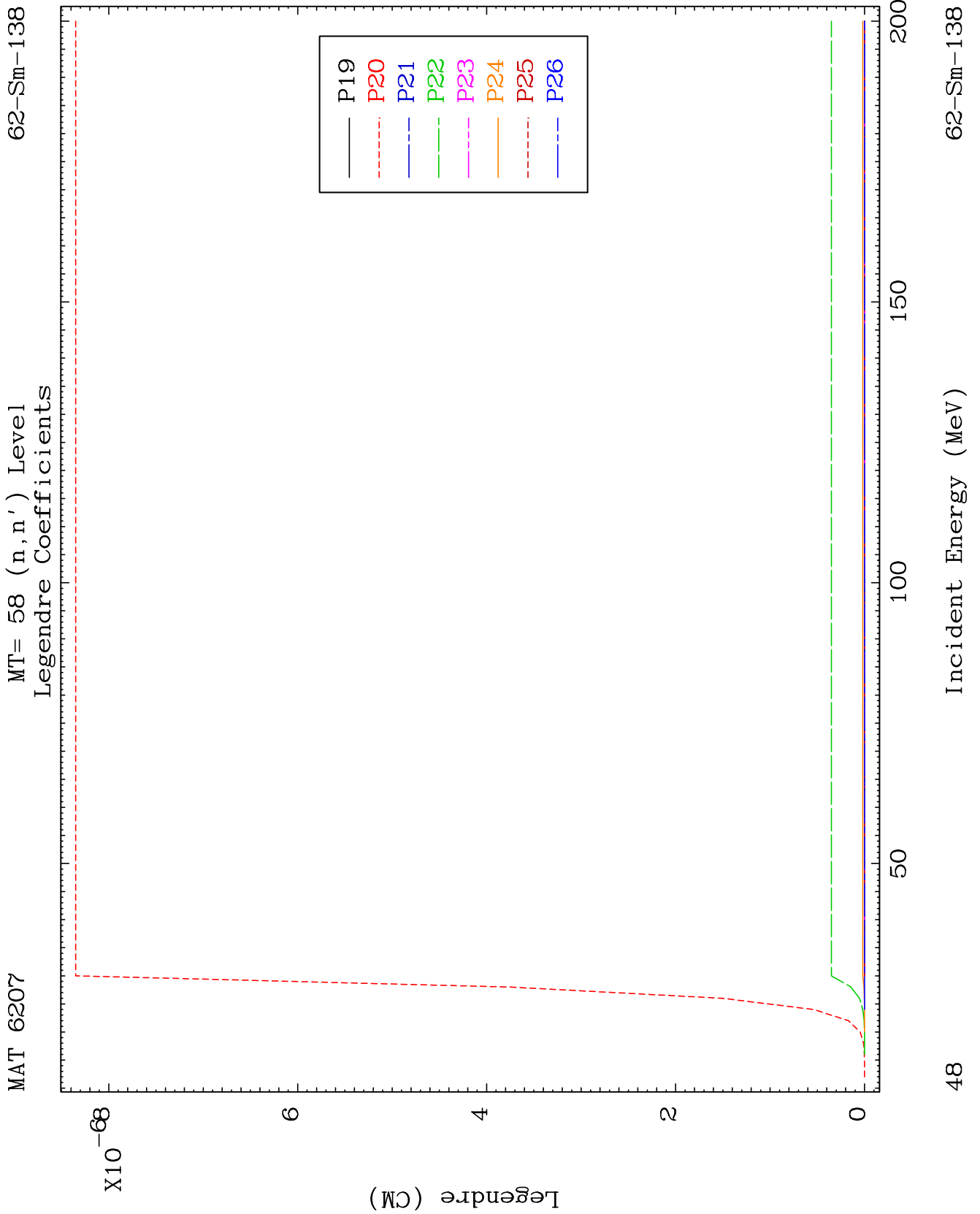


47

Incident Energy (MeV)

62-Sm-138

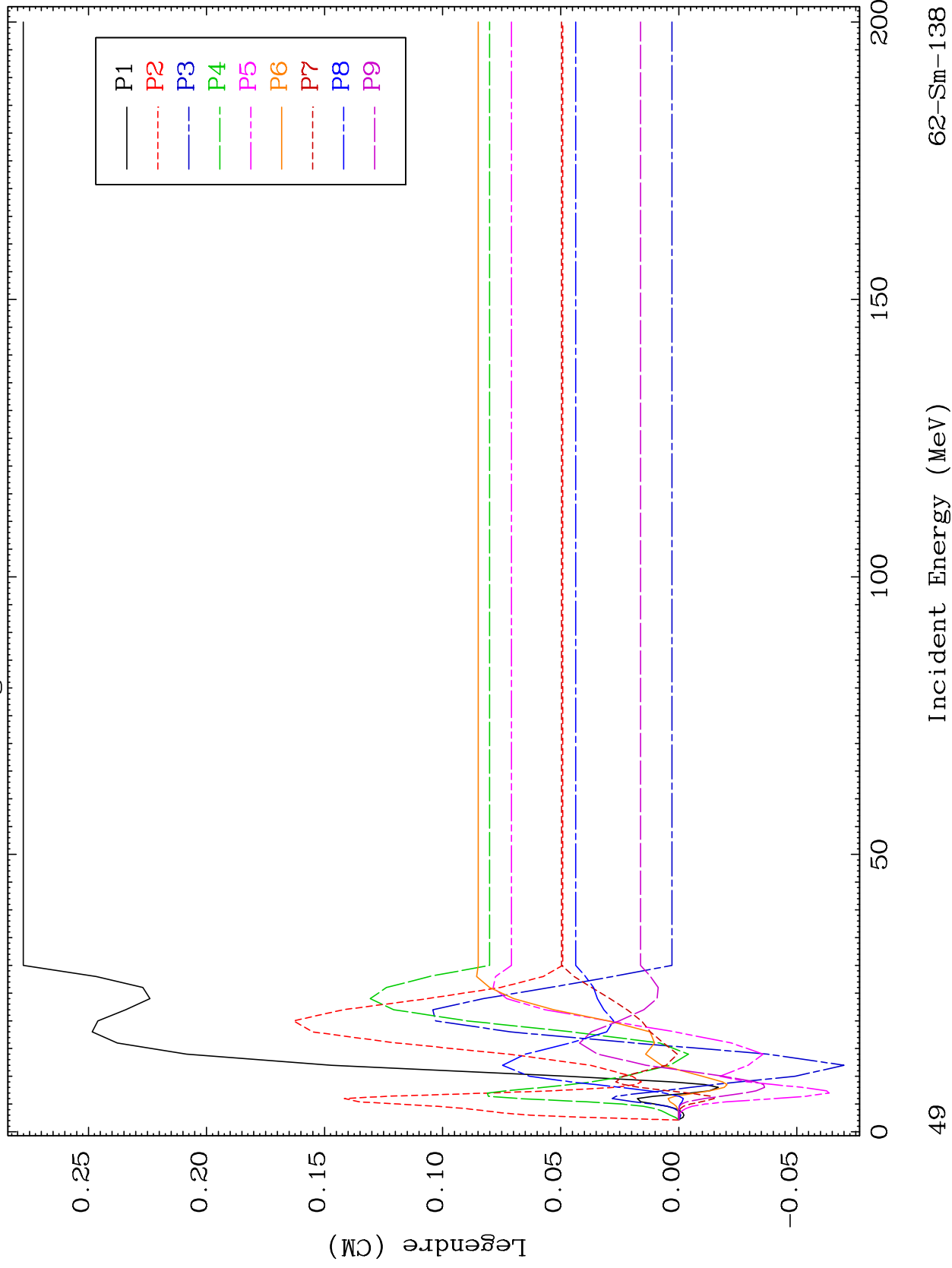




MAT 6207

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

62-Sm-138

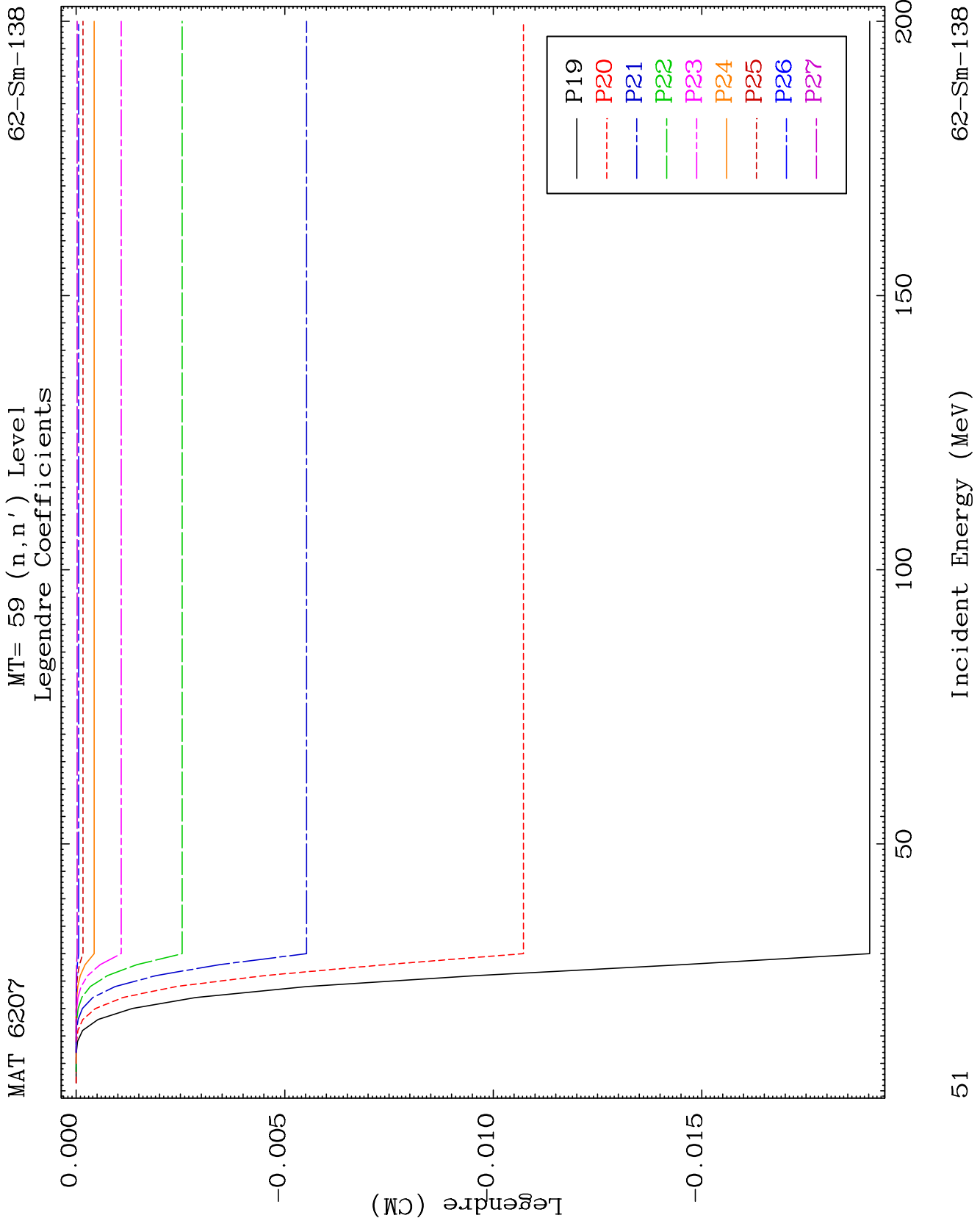


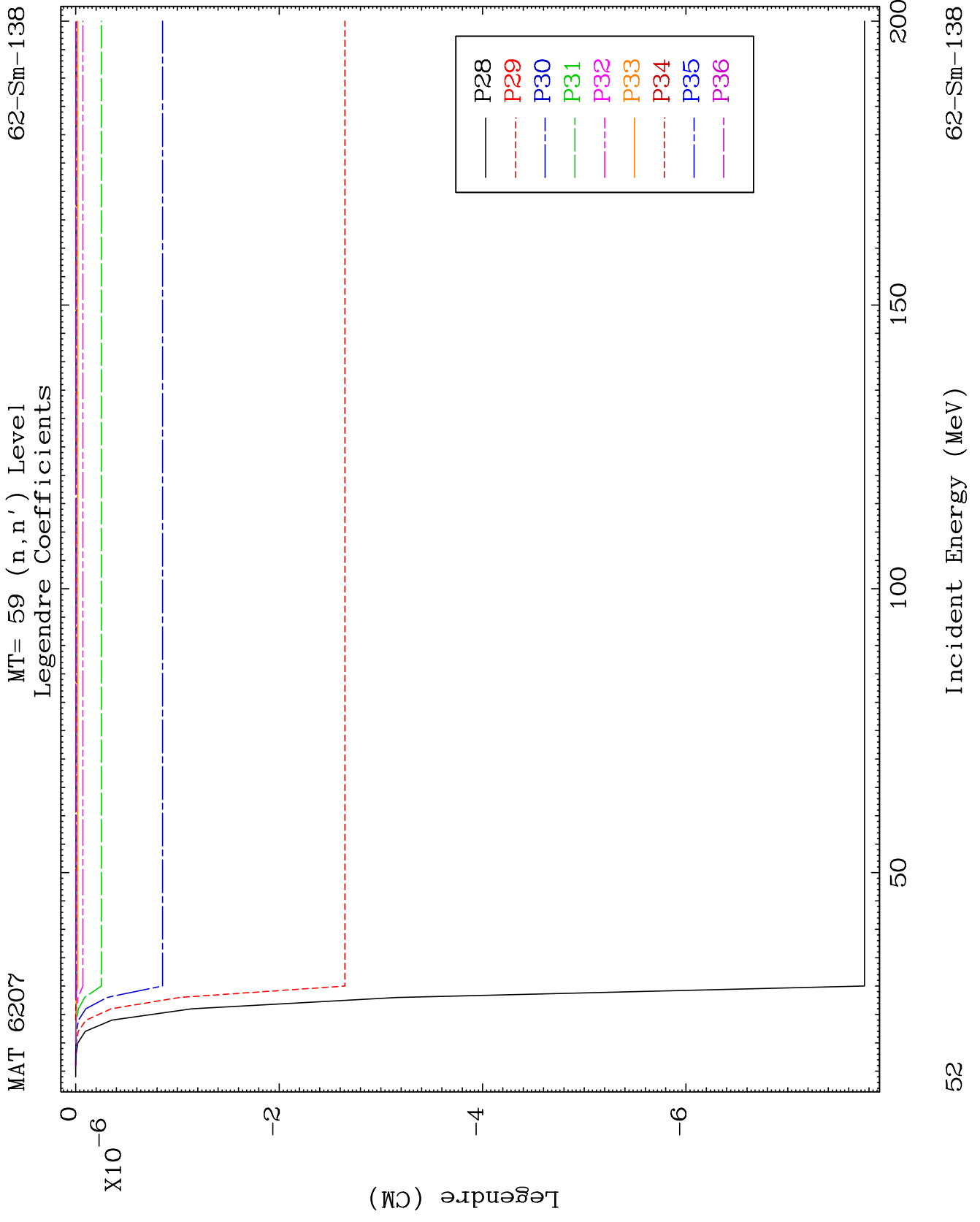
62-Sm-138

Incident Energy (MeV)

49



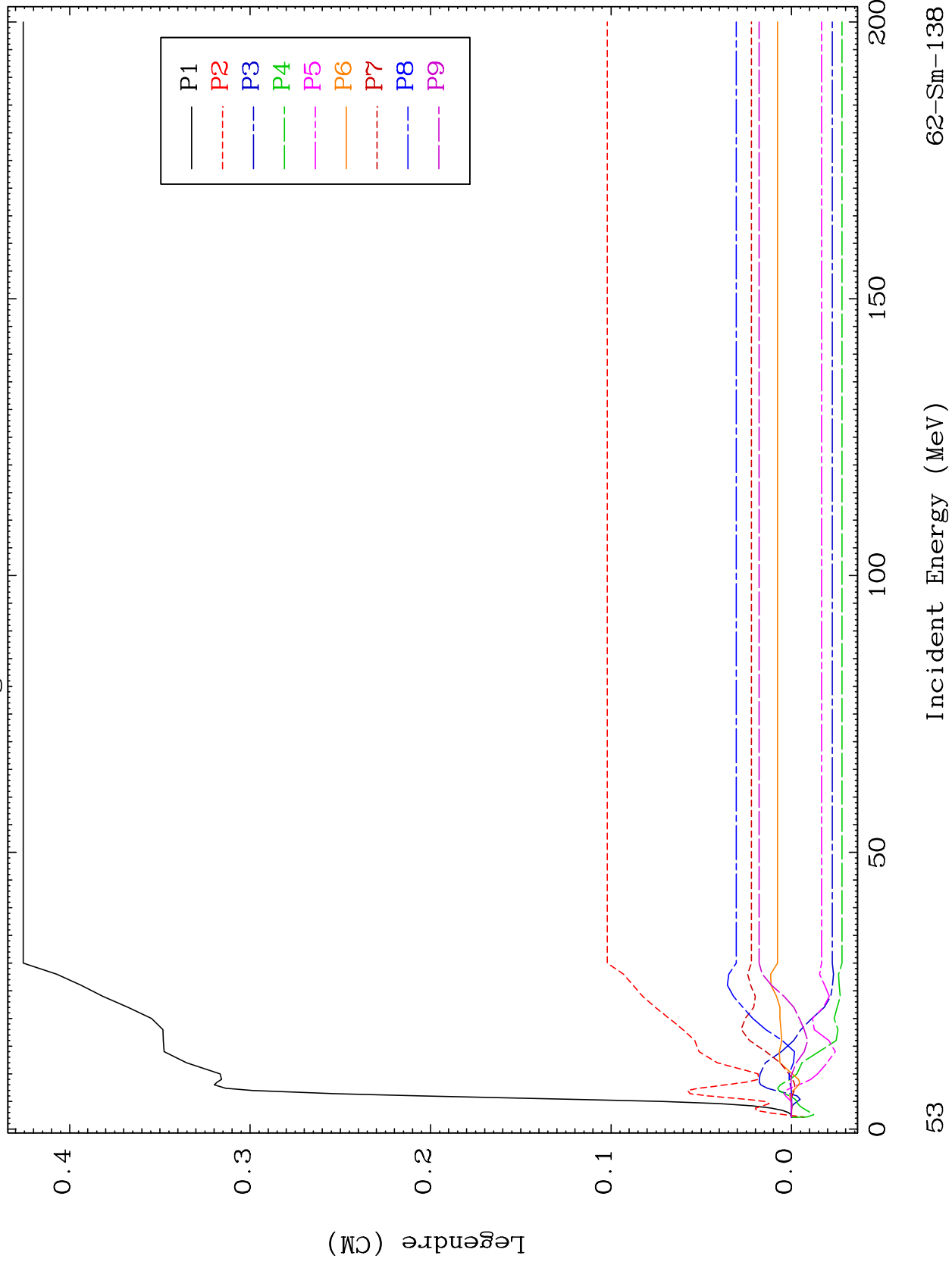




MAT 6207

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

62-Sm-138



53

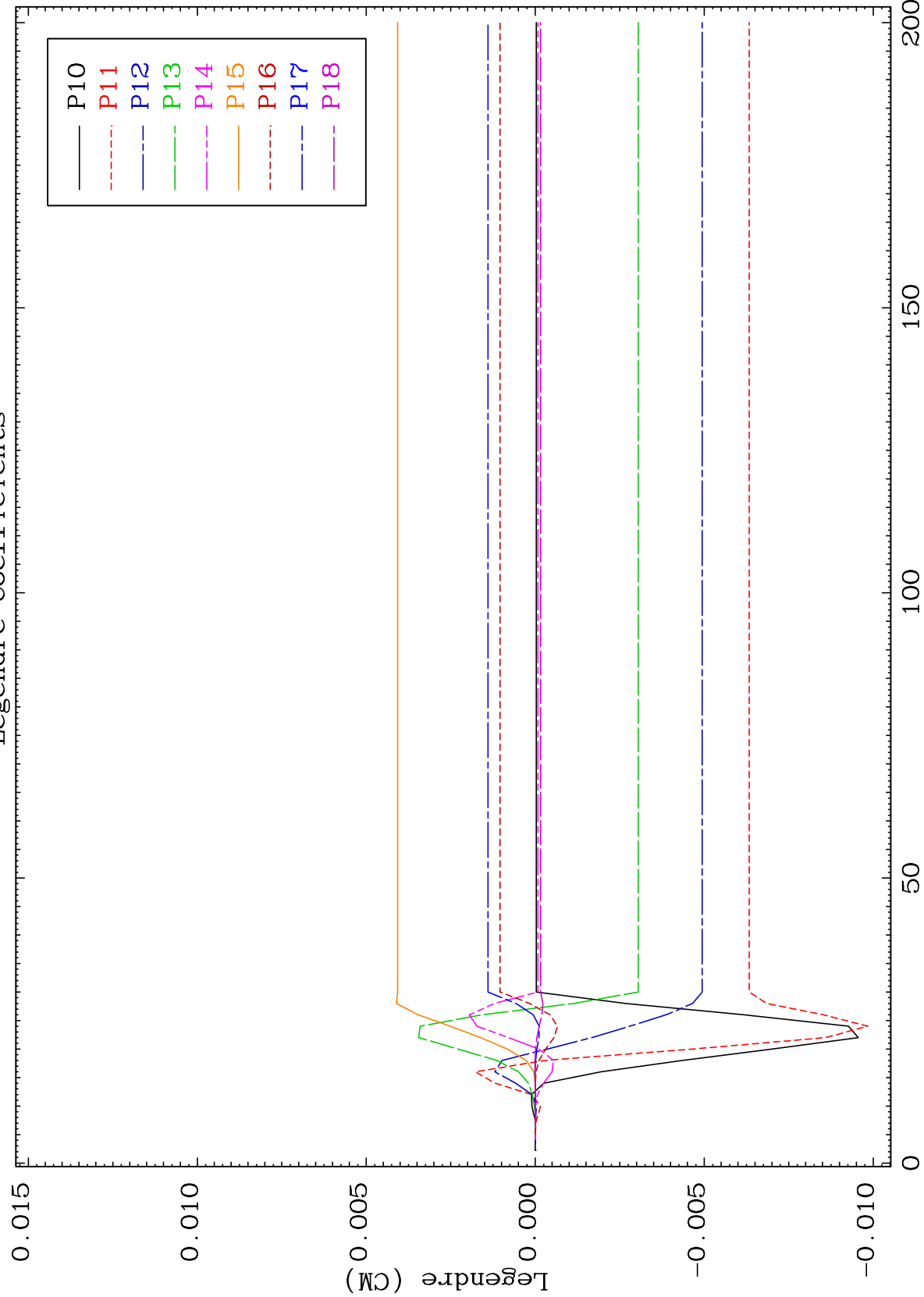
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



54

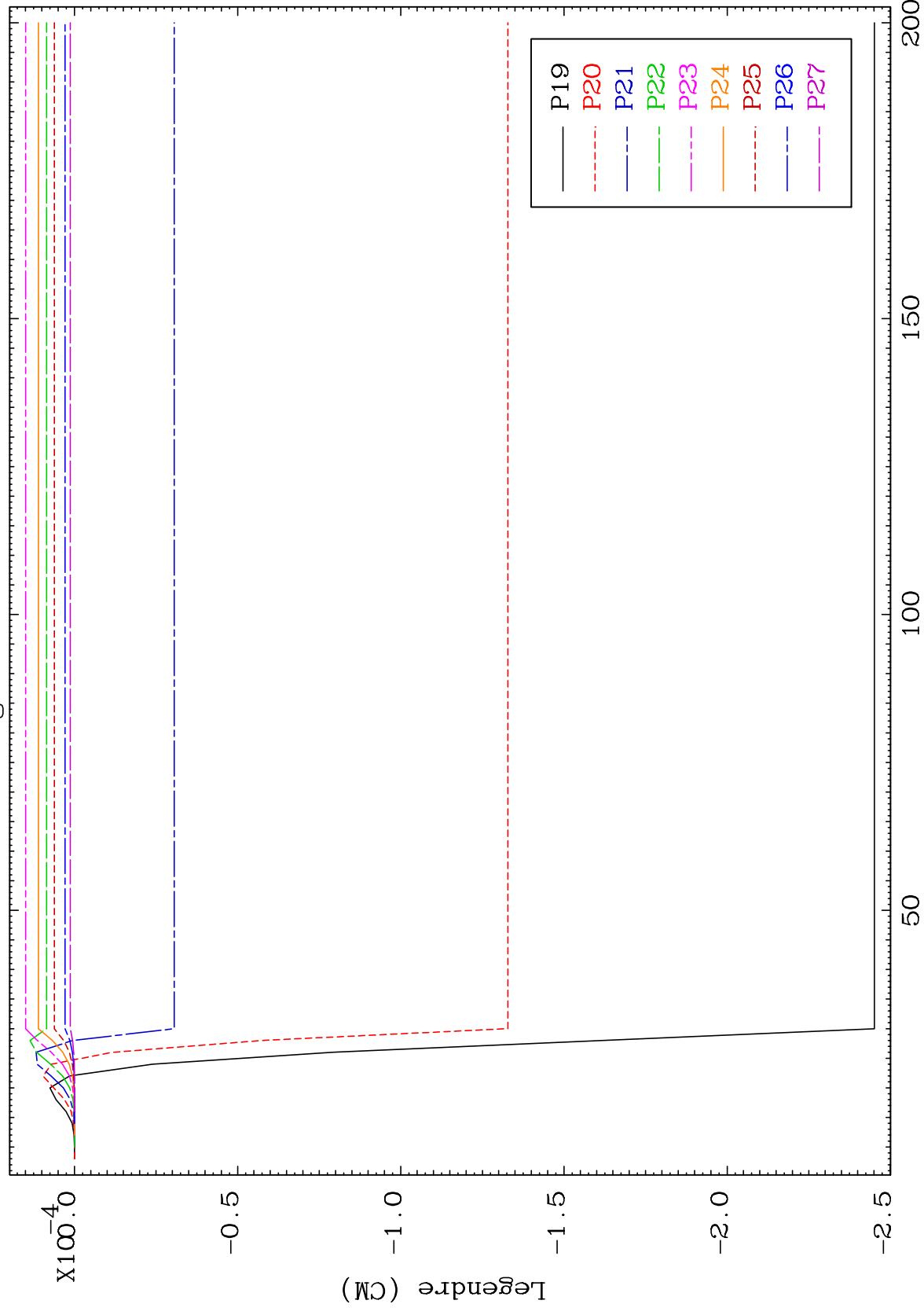
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



55

Incident Energy (MeV)

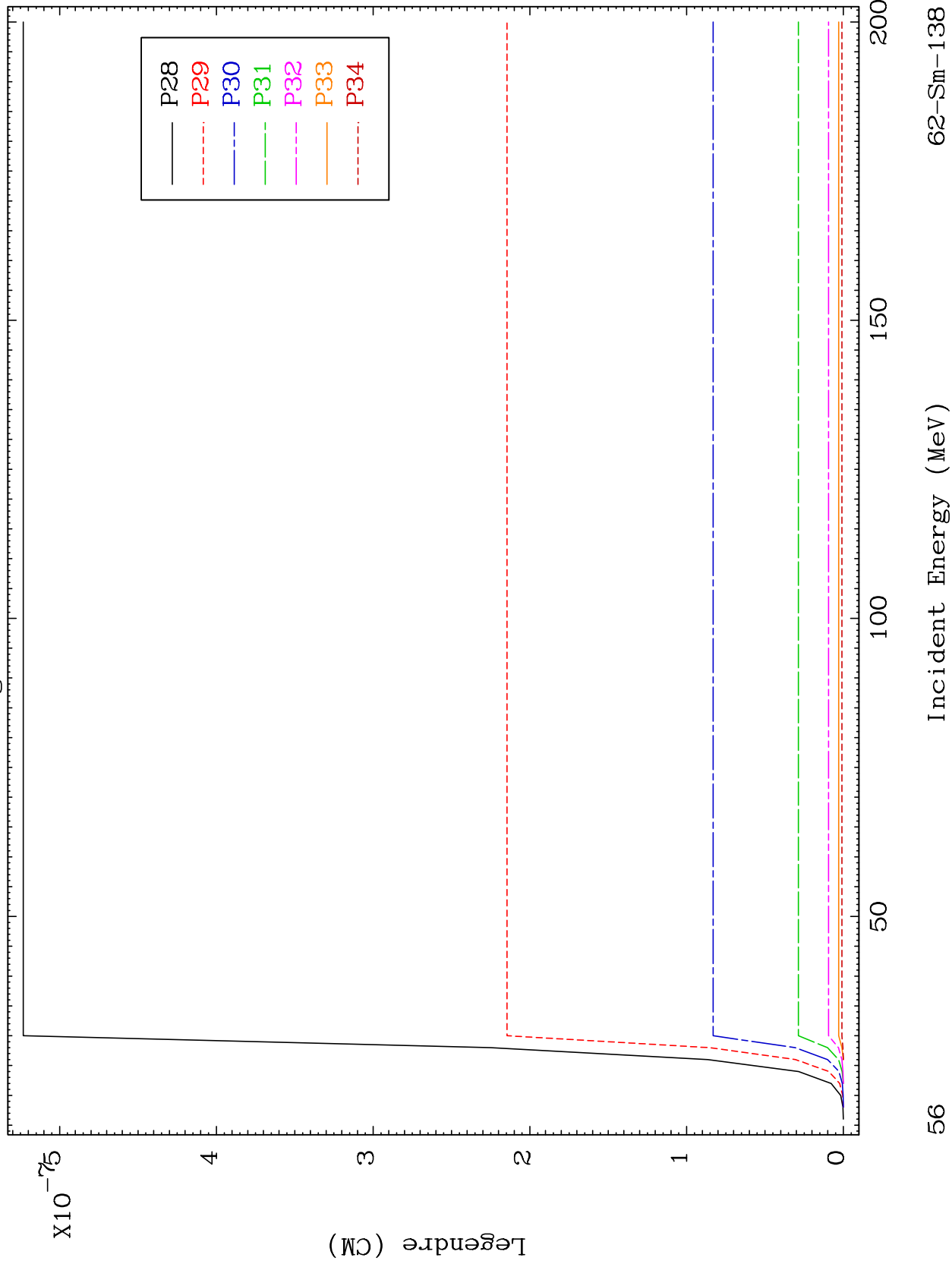
62-Sm-138



MAT 6207

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

62-Sm-138



56

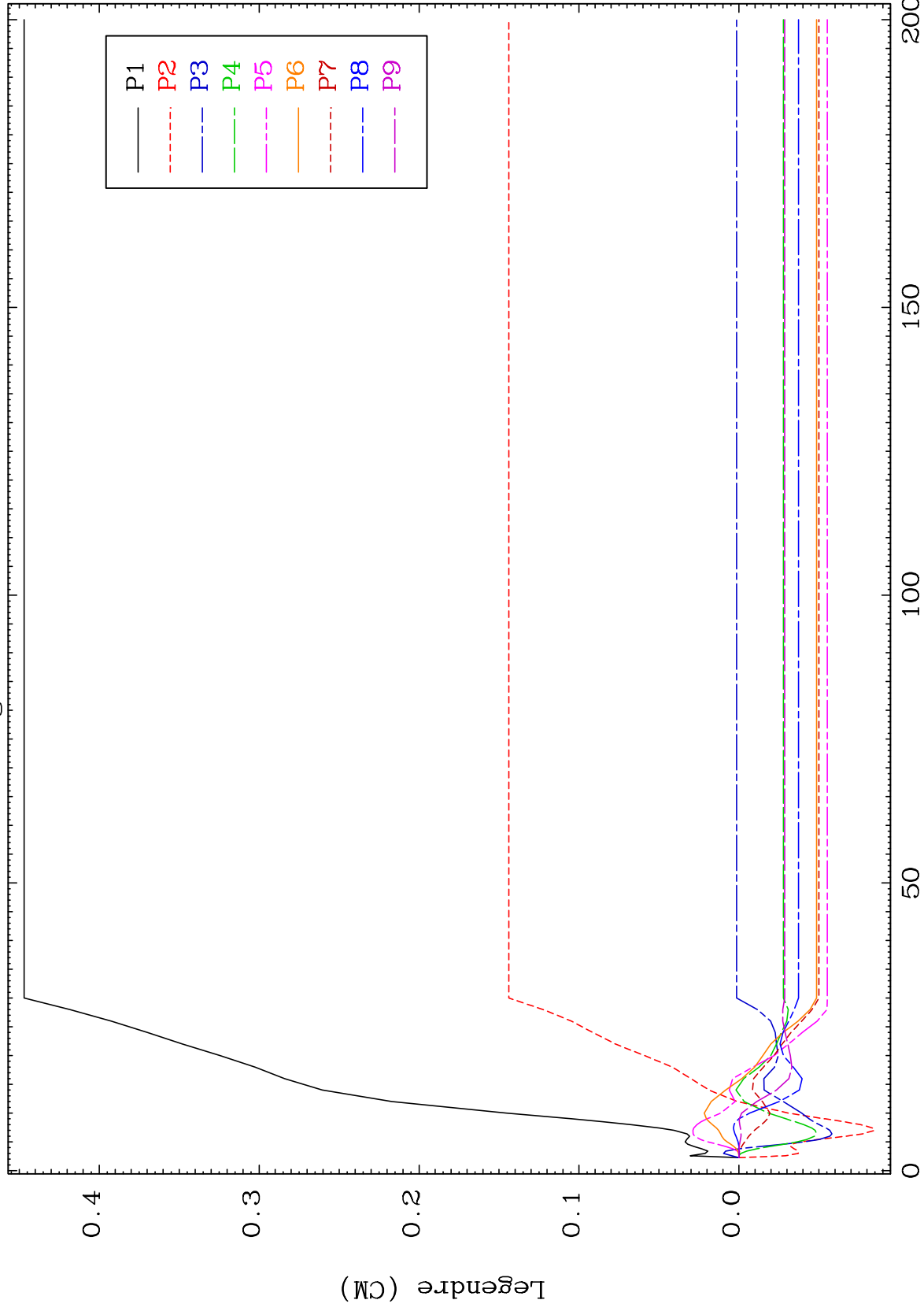
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



57

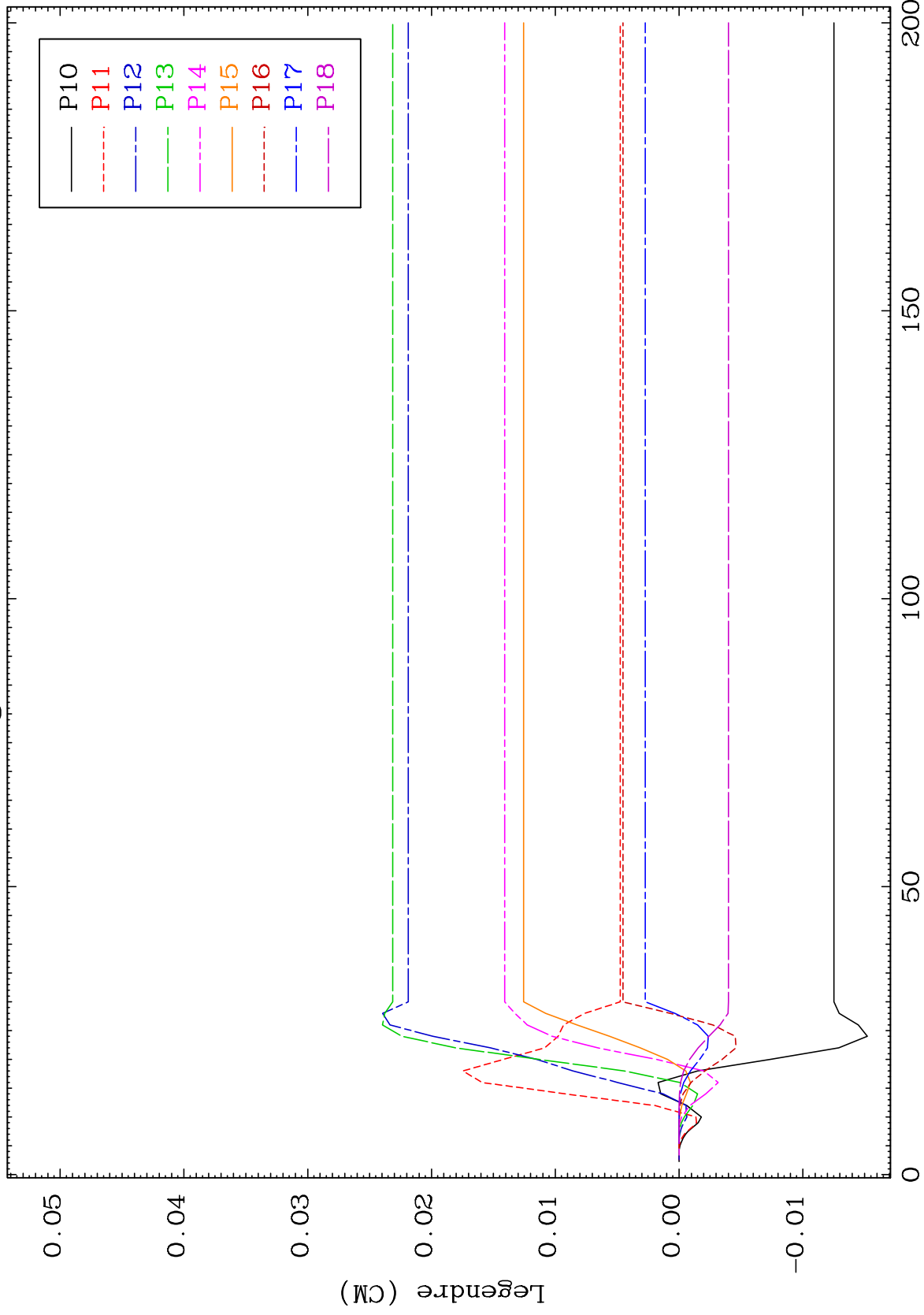
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



58

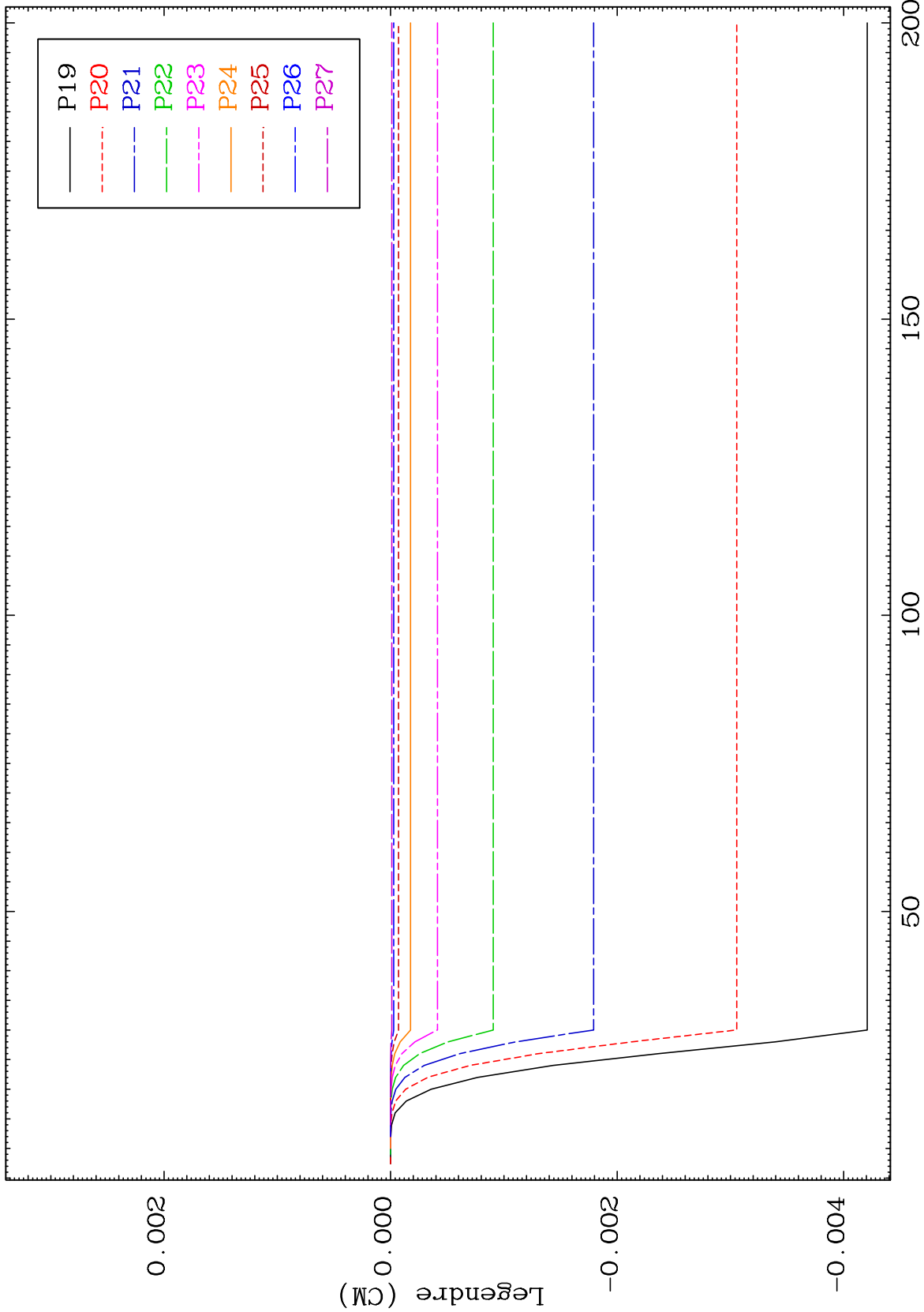
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

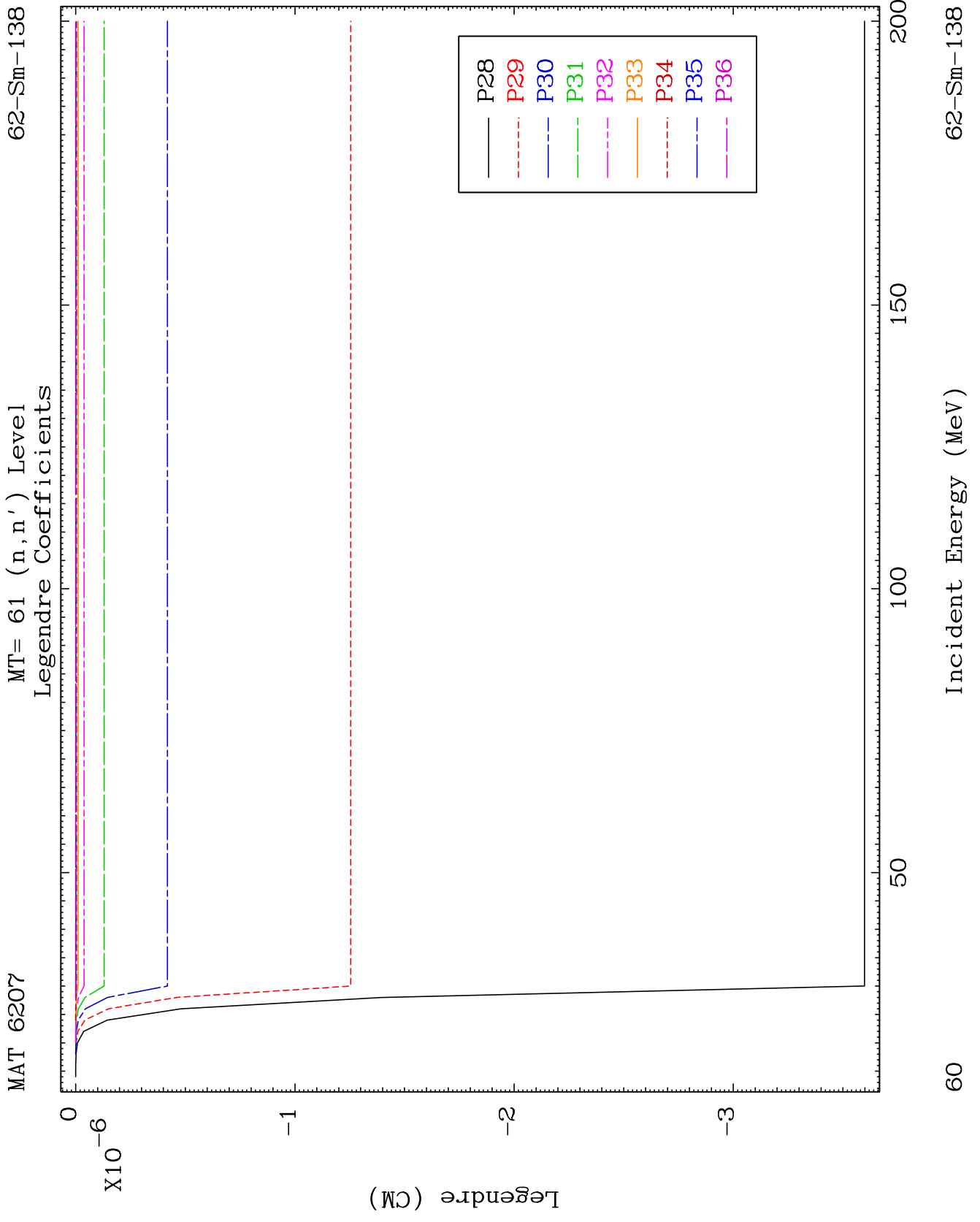
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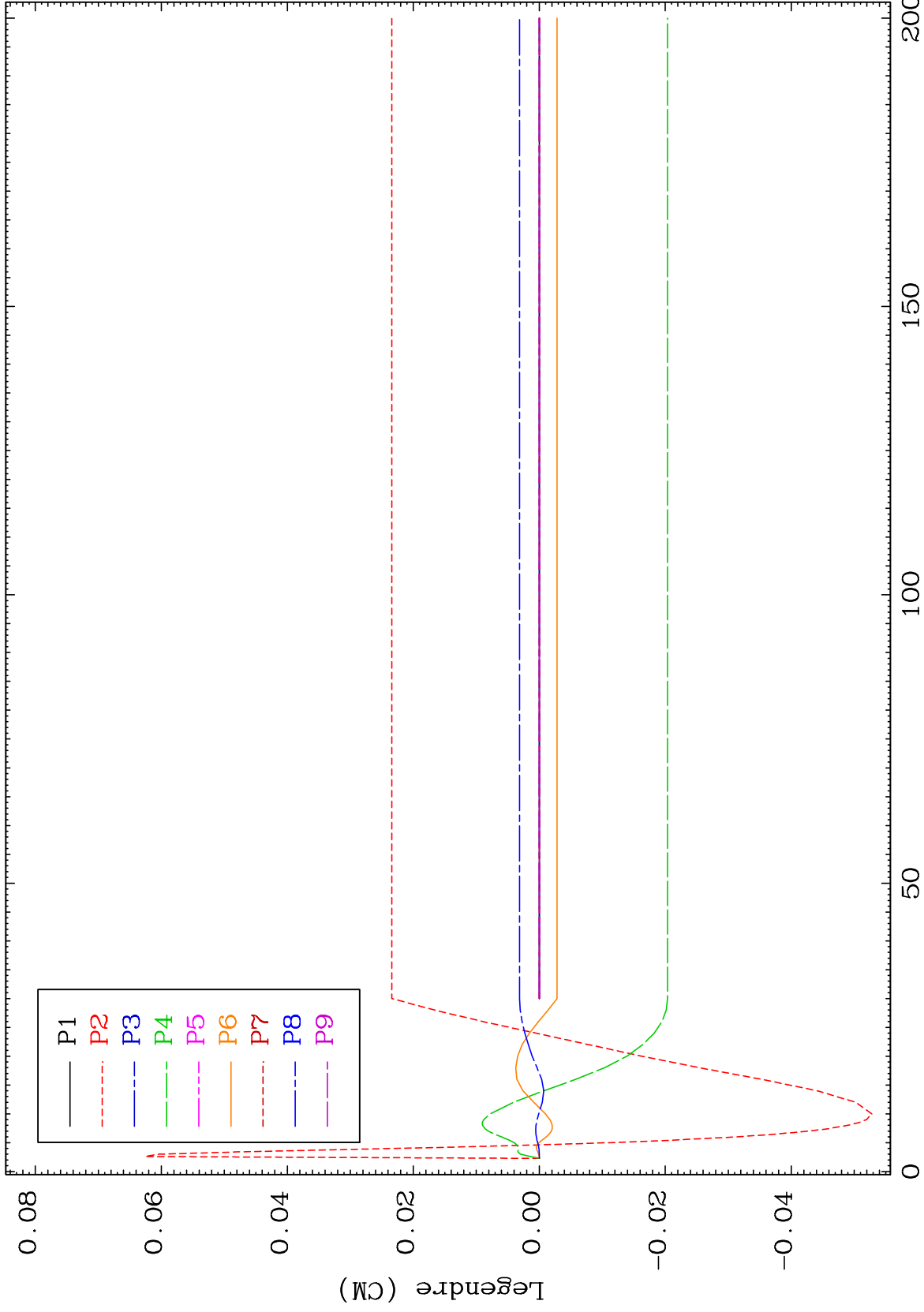


59

Incident Energy (MeV)

62-Sm-138

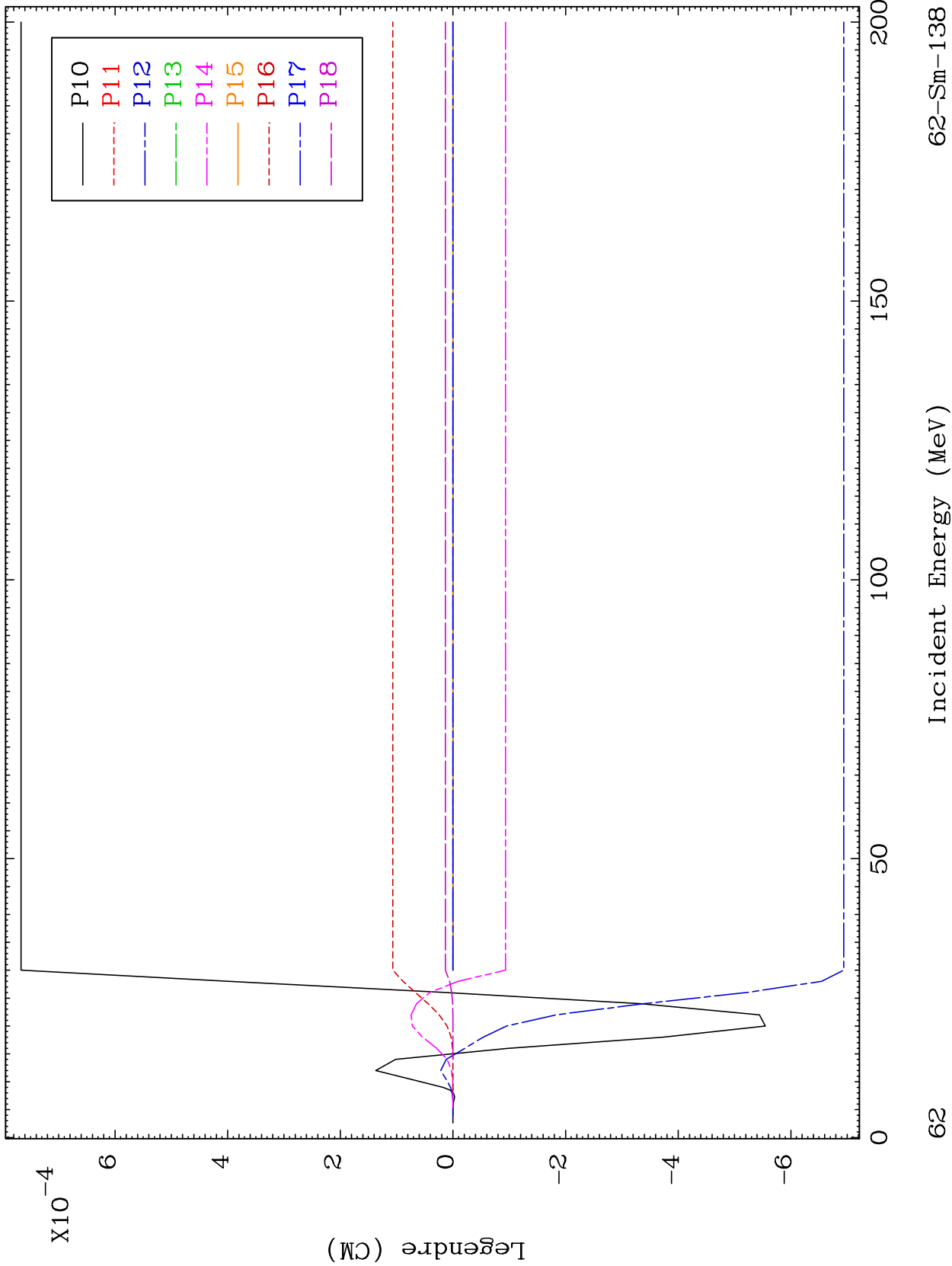




MAT 6207

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

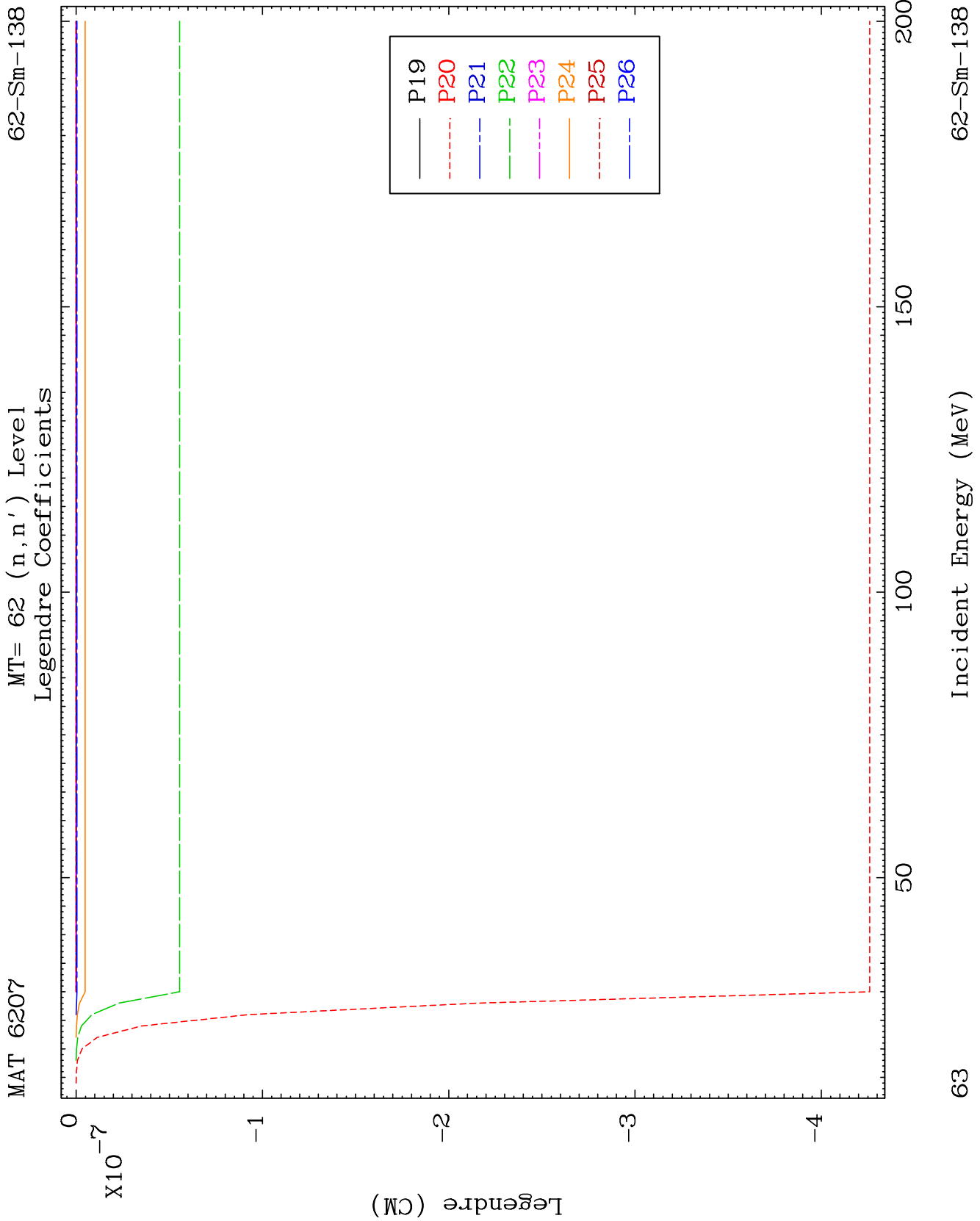
62-Sm-138



62-Sm-138

Incident Energy (MeV)

62

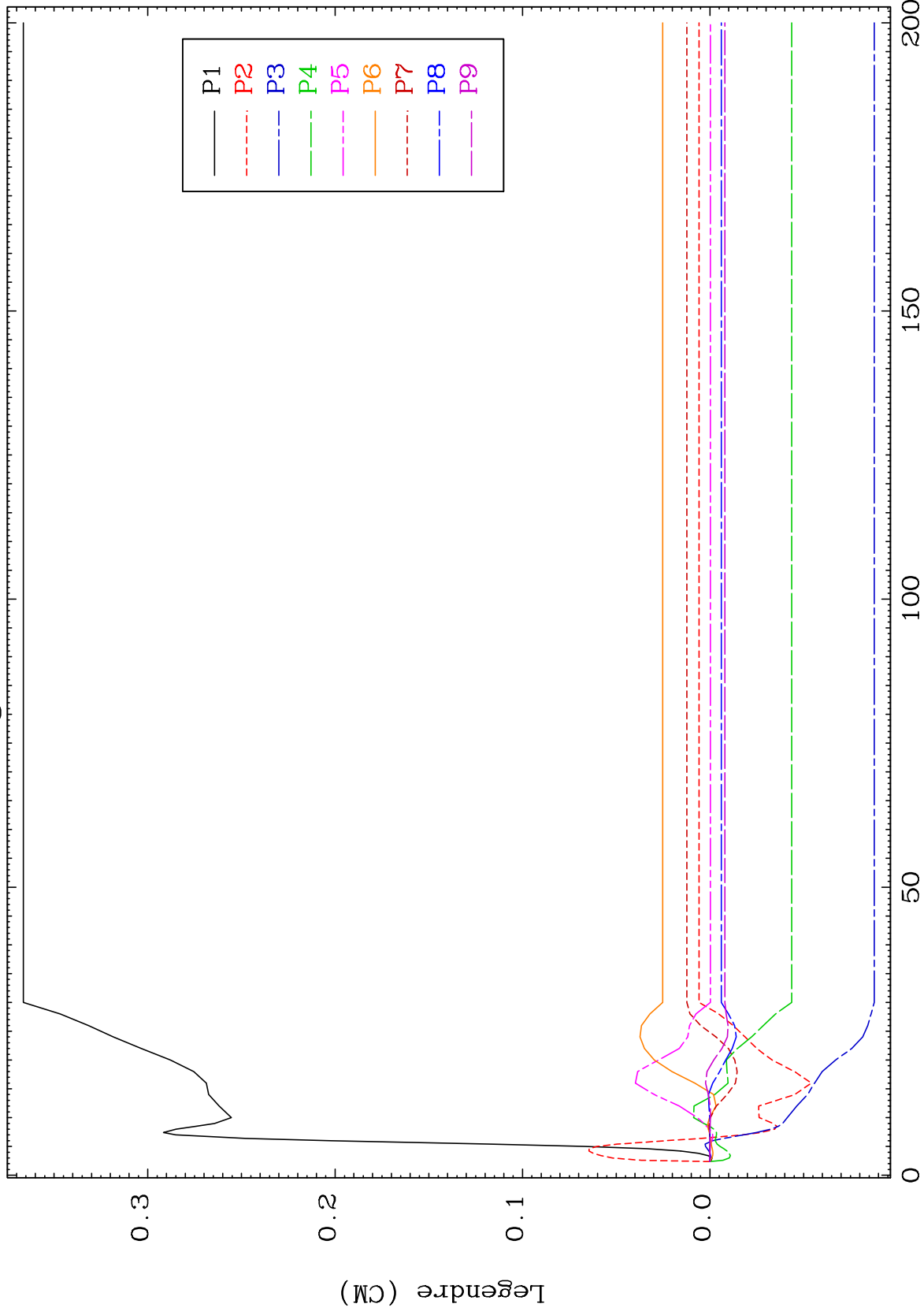




MAT 6207

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

62-Sm-138



64

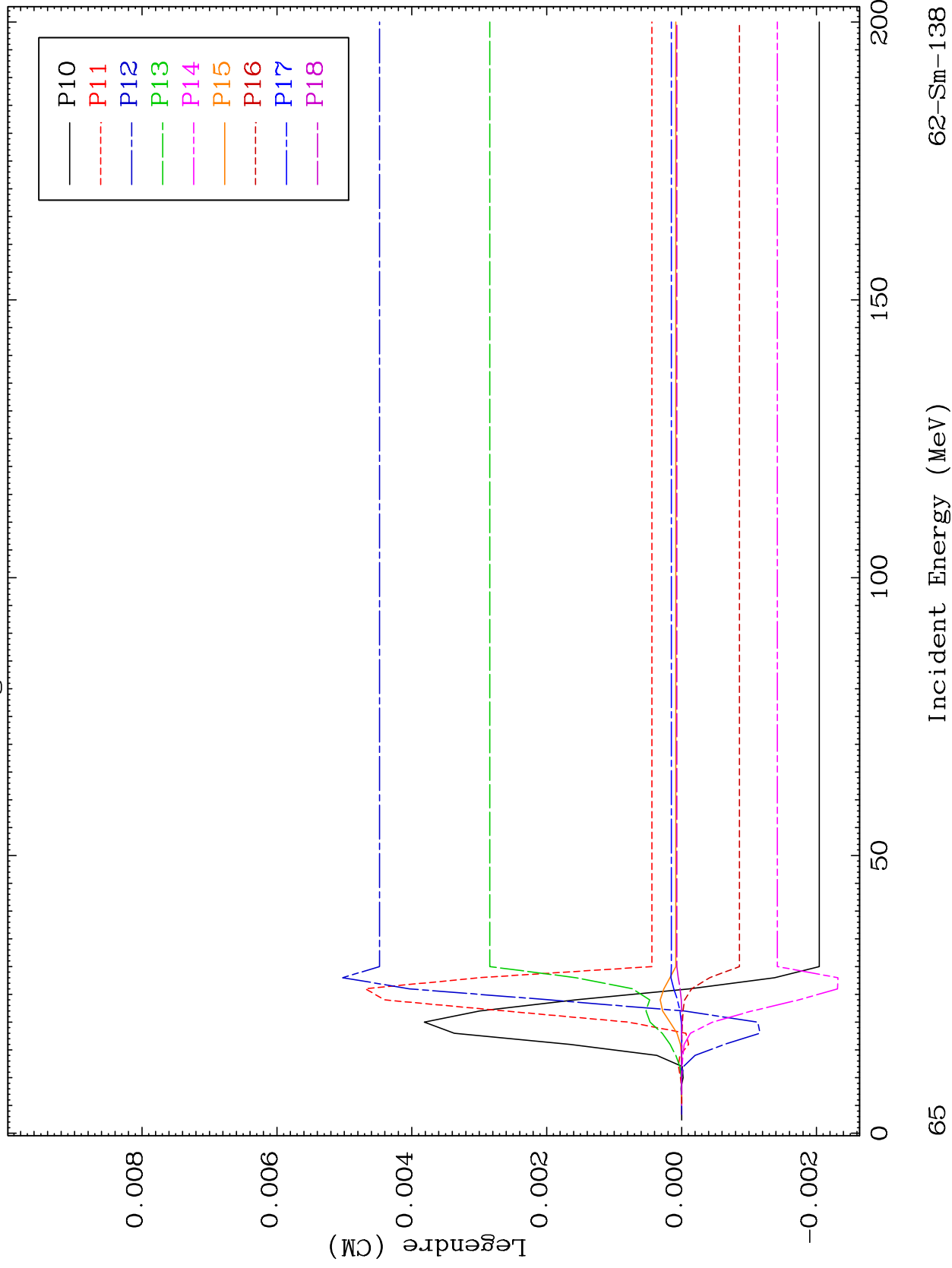
Incident Energy (MeV)

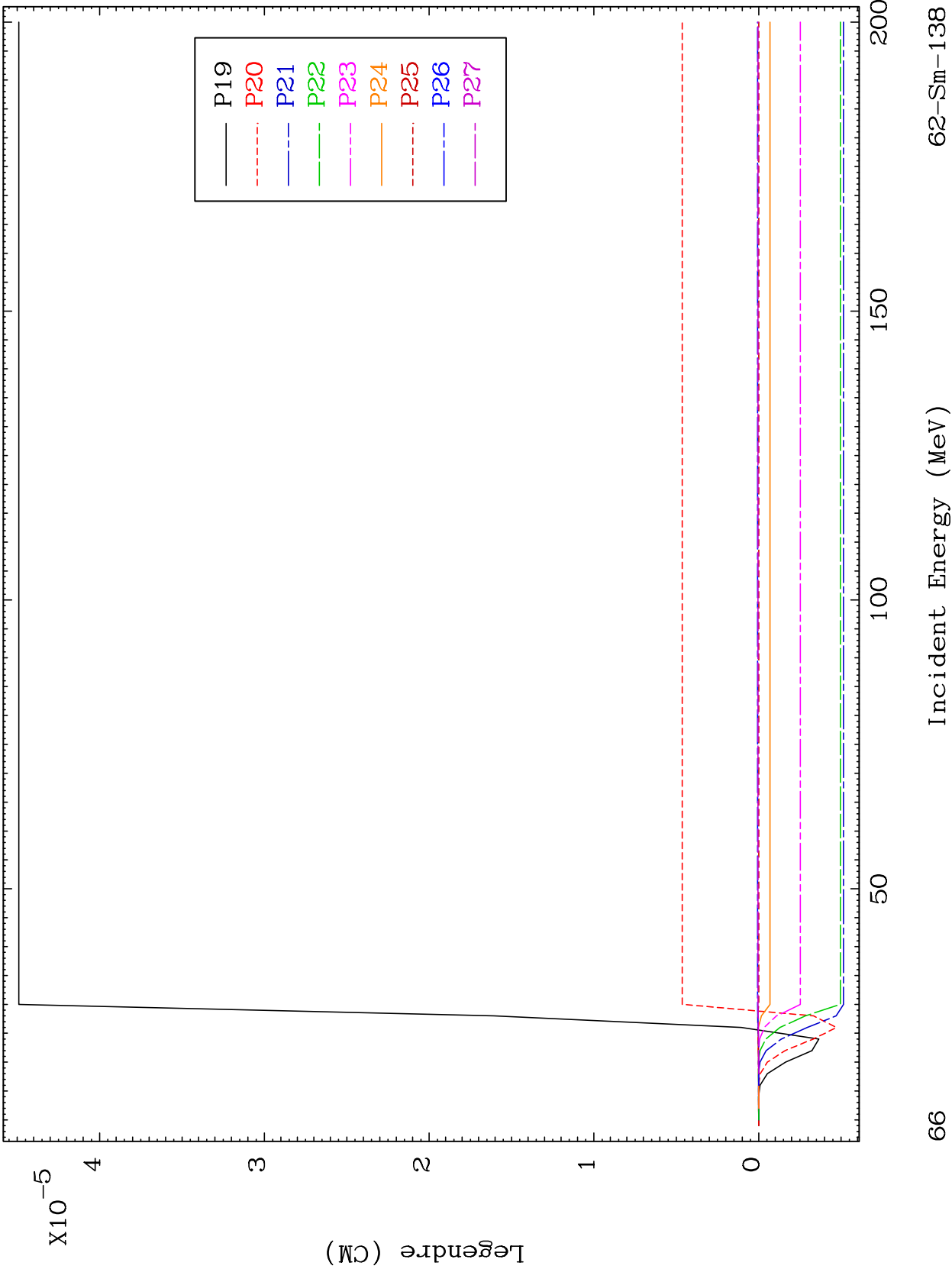
62-Sm-138

MAT 6207

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

62-Sm-138

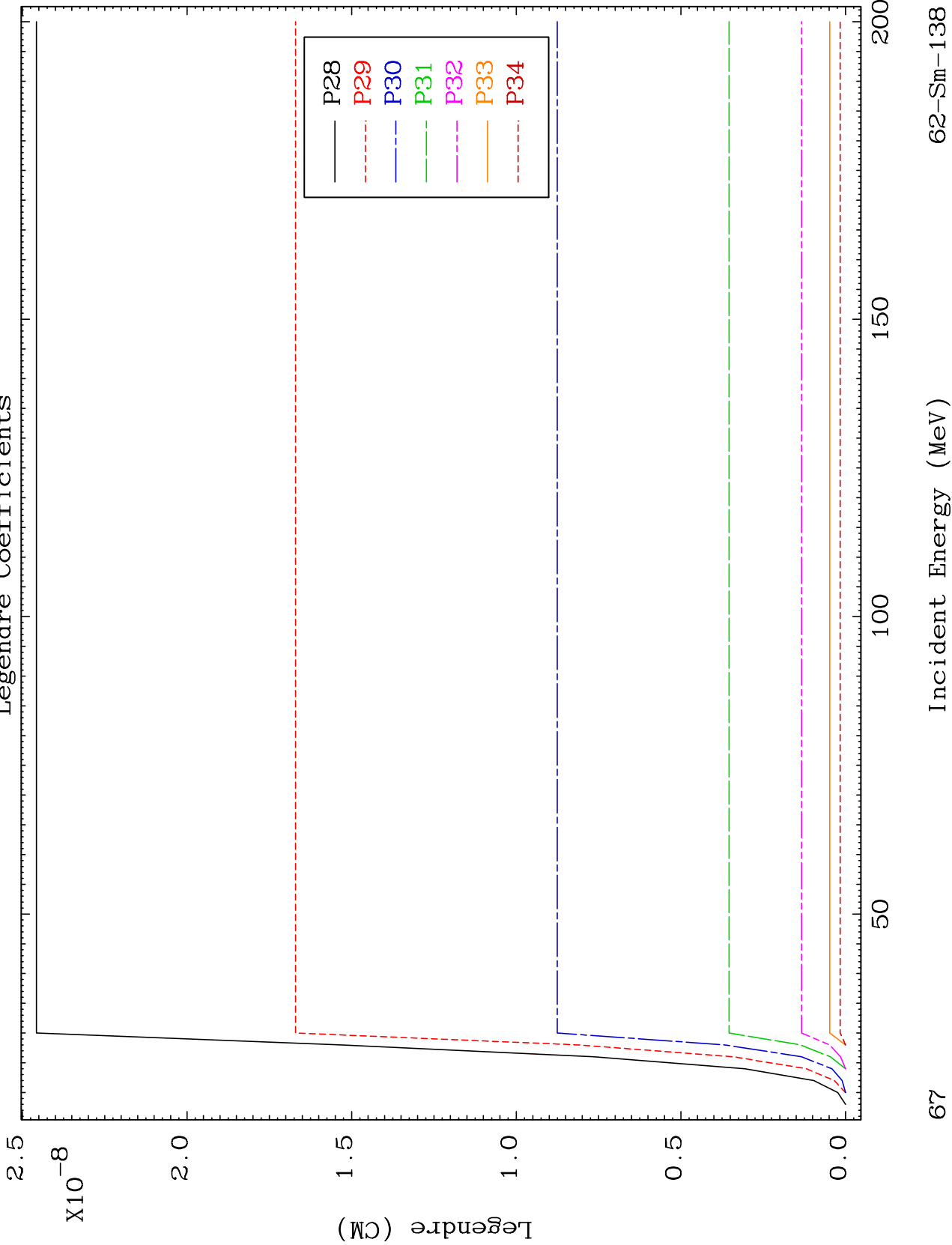




MAT 6207

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

62-Sm-138



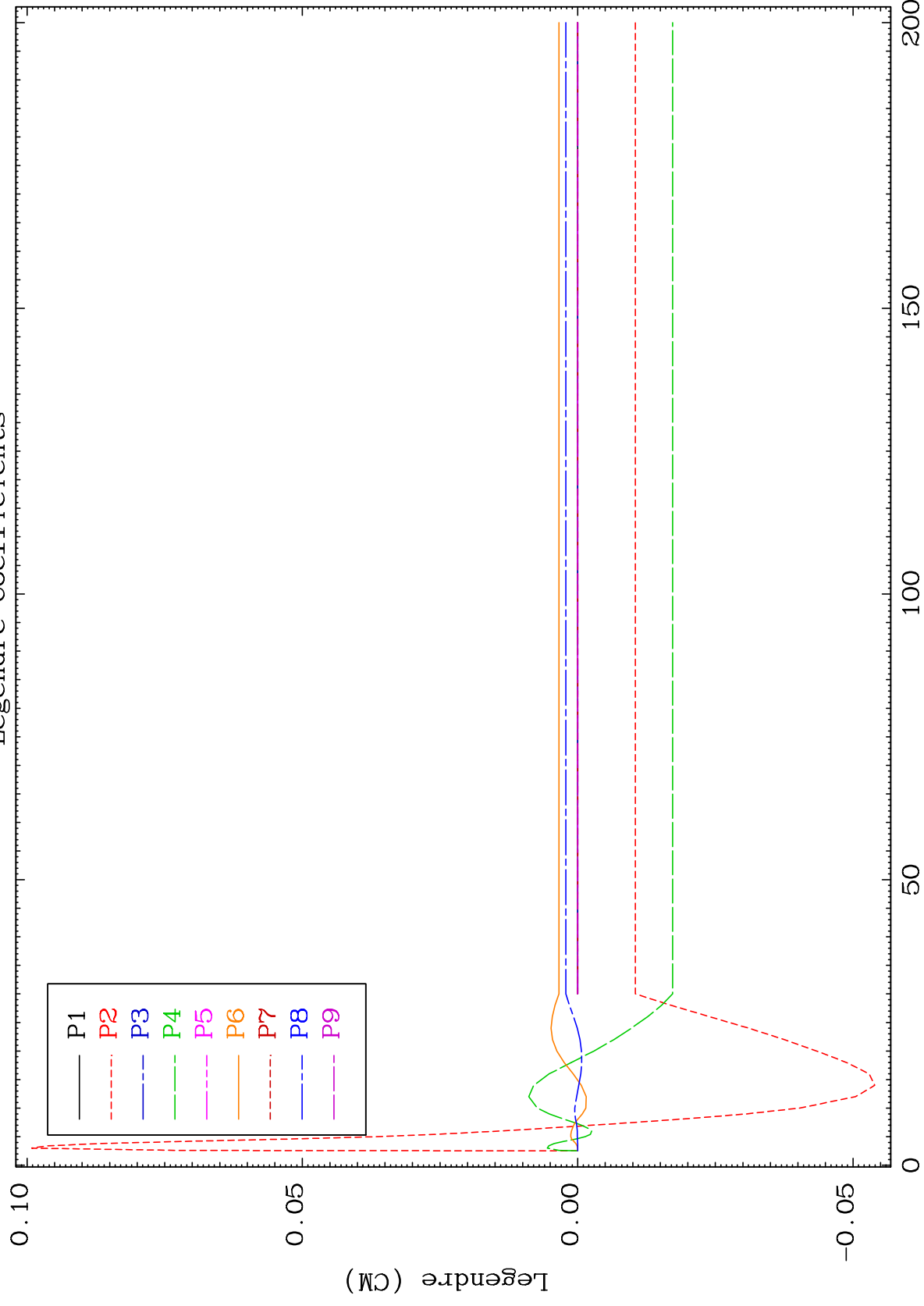
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62-Sm-138

MAT 6207

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

62-Sm-138



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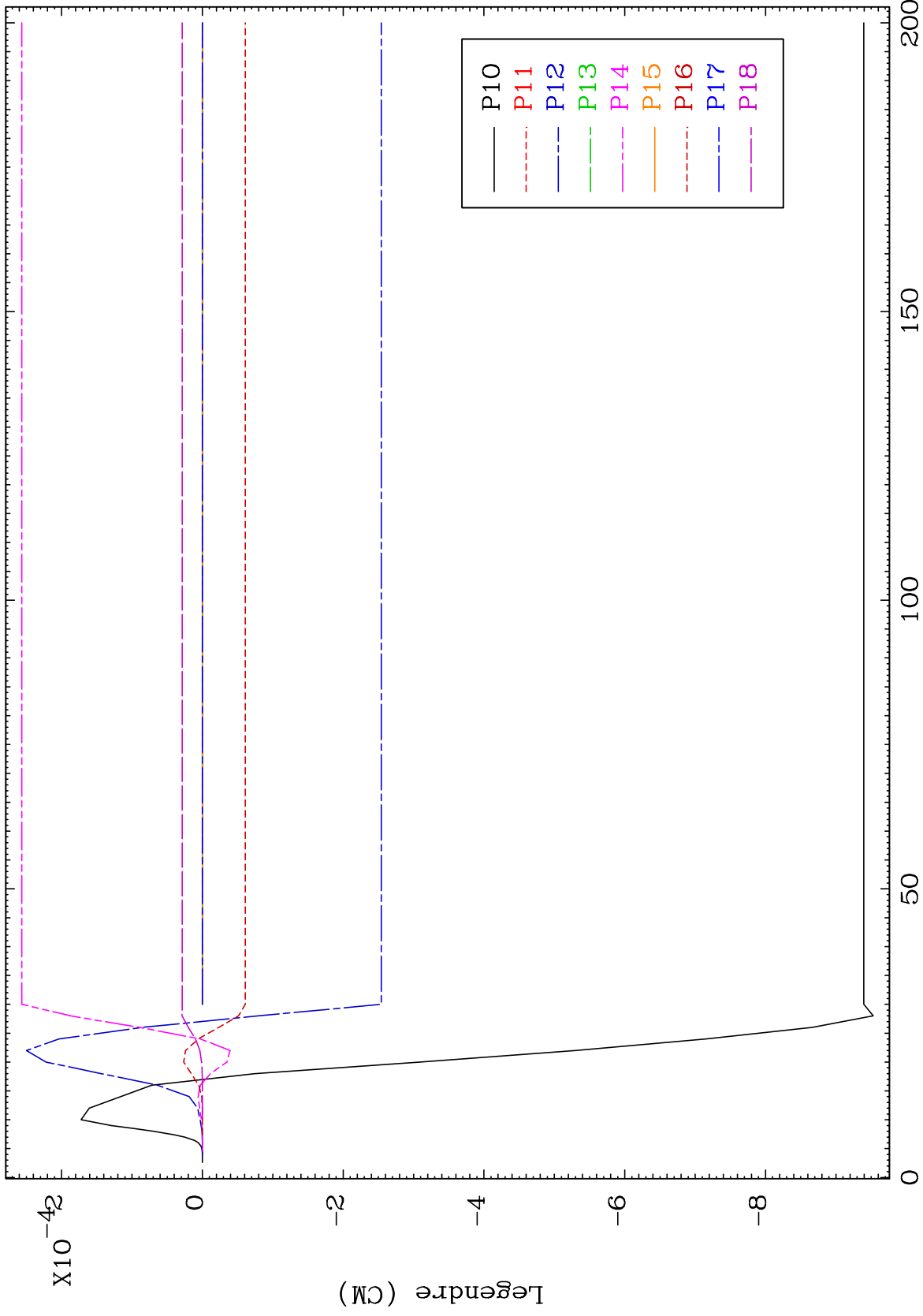
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



69

Incident Energy (MeV)

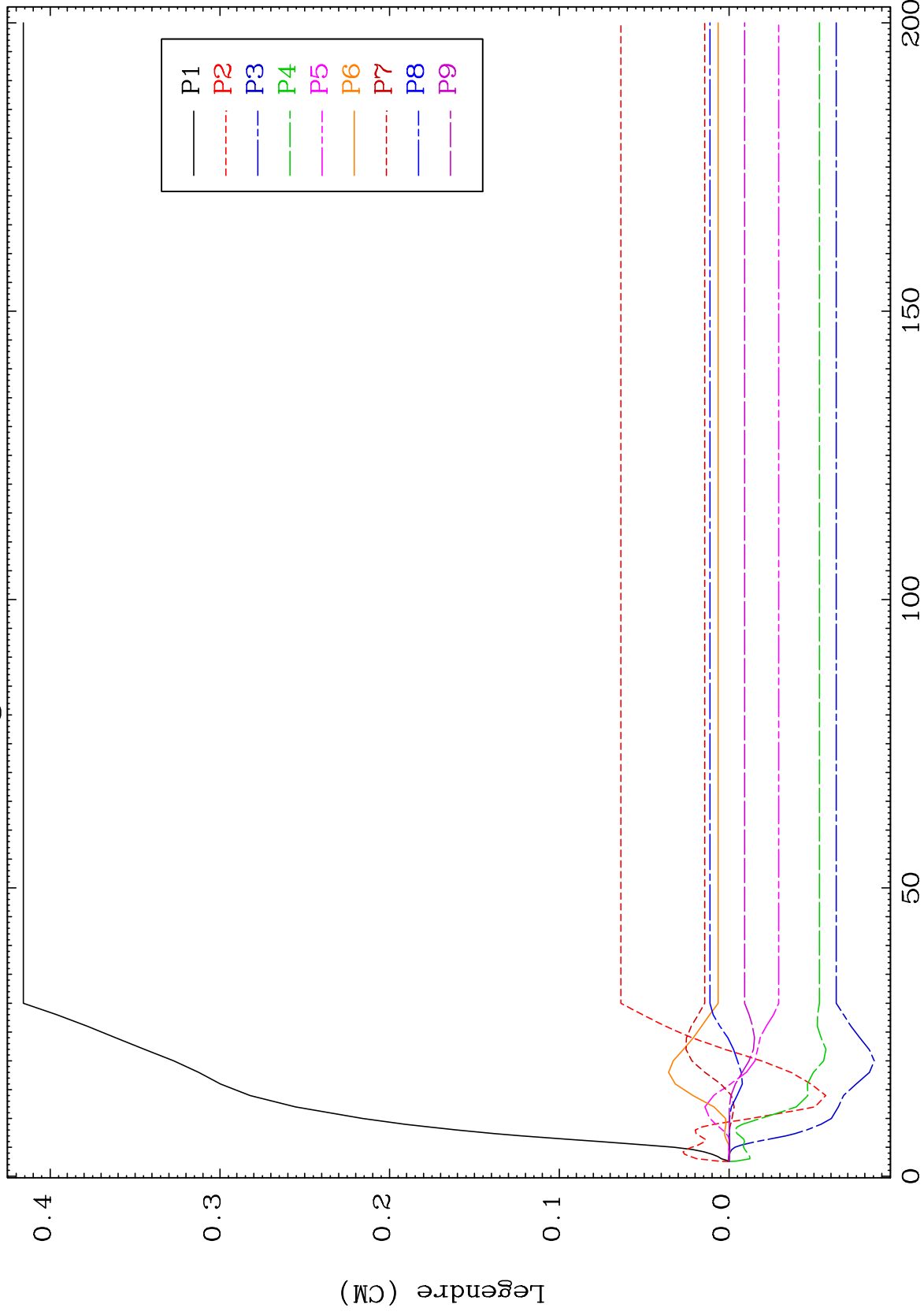
62-Sm-138



MAT 6207

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

62-Sm-138



71

Incident Energy (MeV)

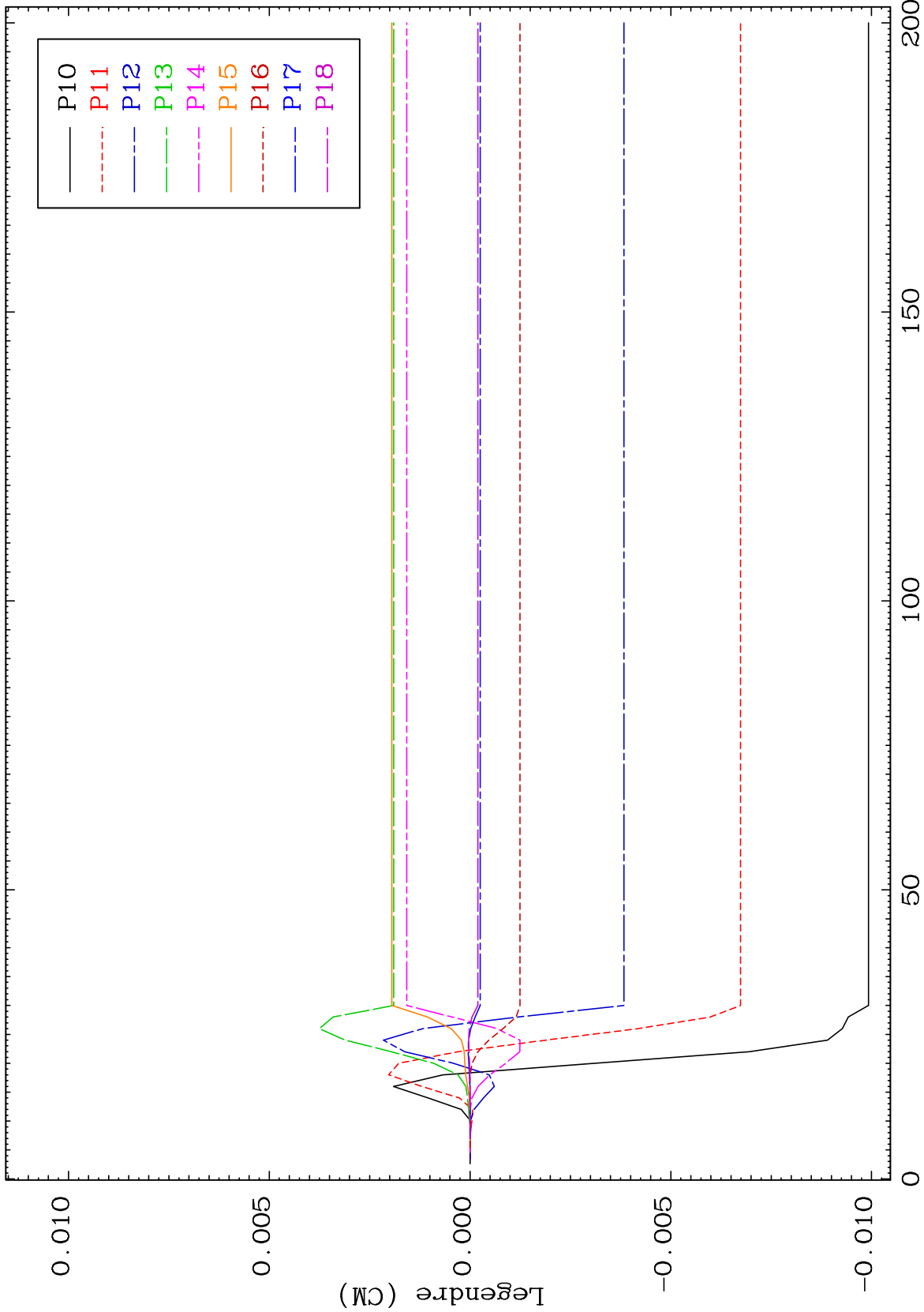
62-Sm-138



MAT 6207

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

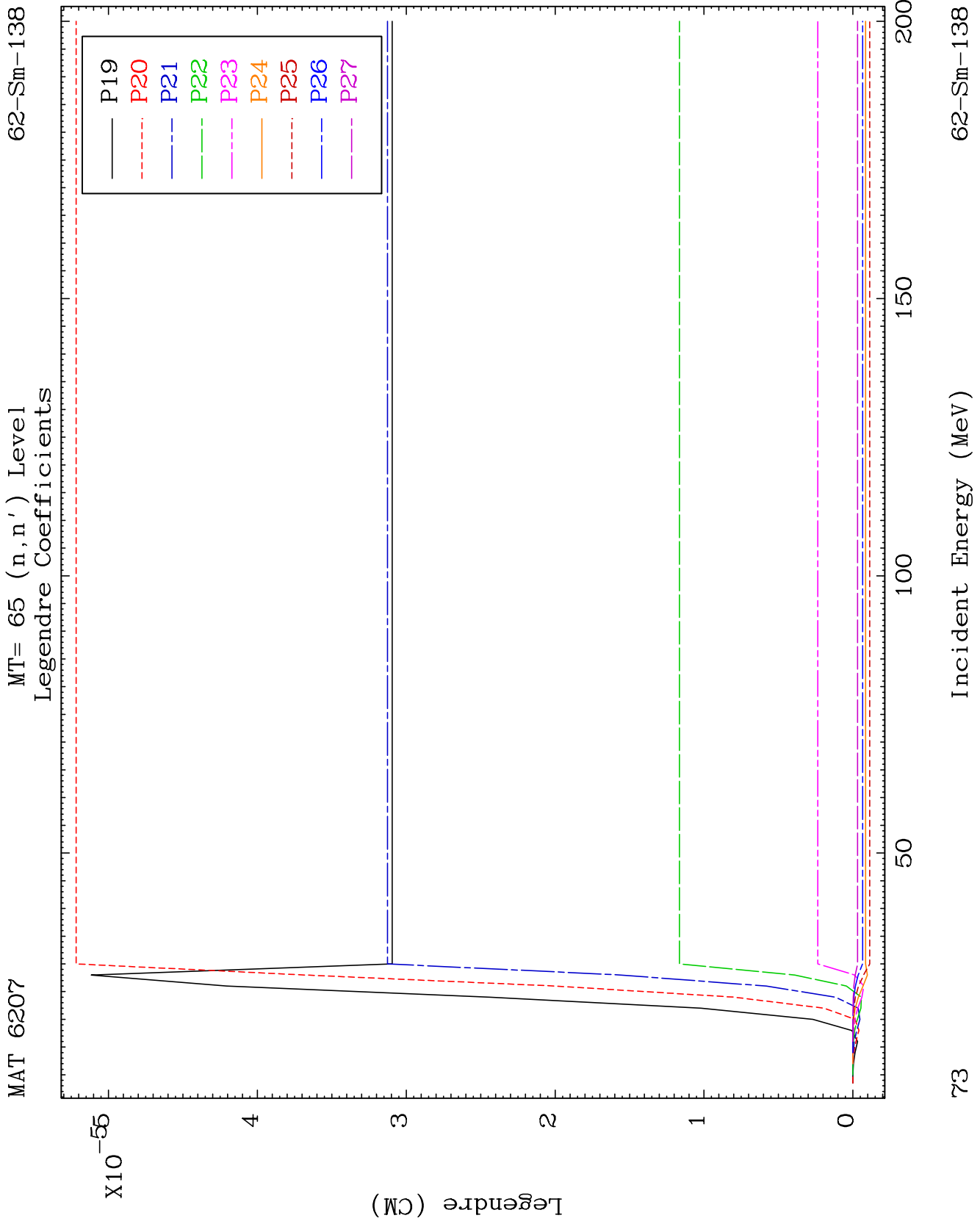
62-Sm-138



72

Incident Energy (MeV)

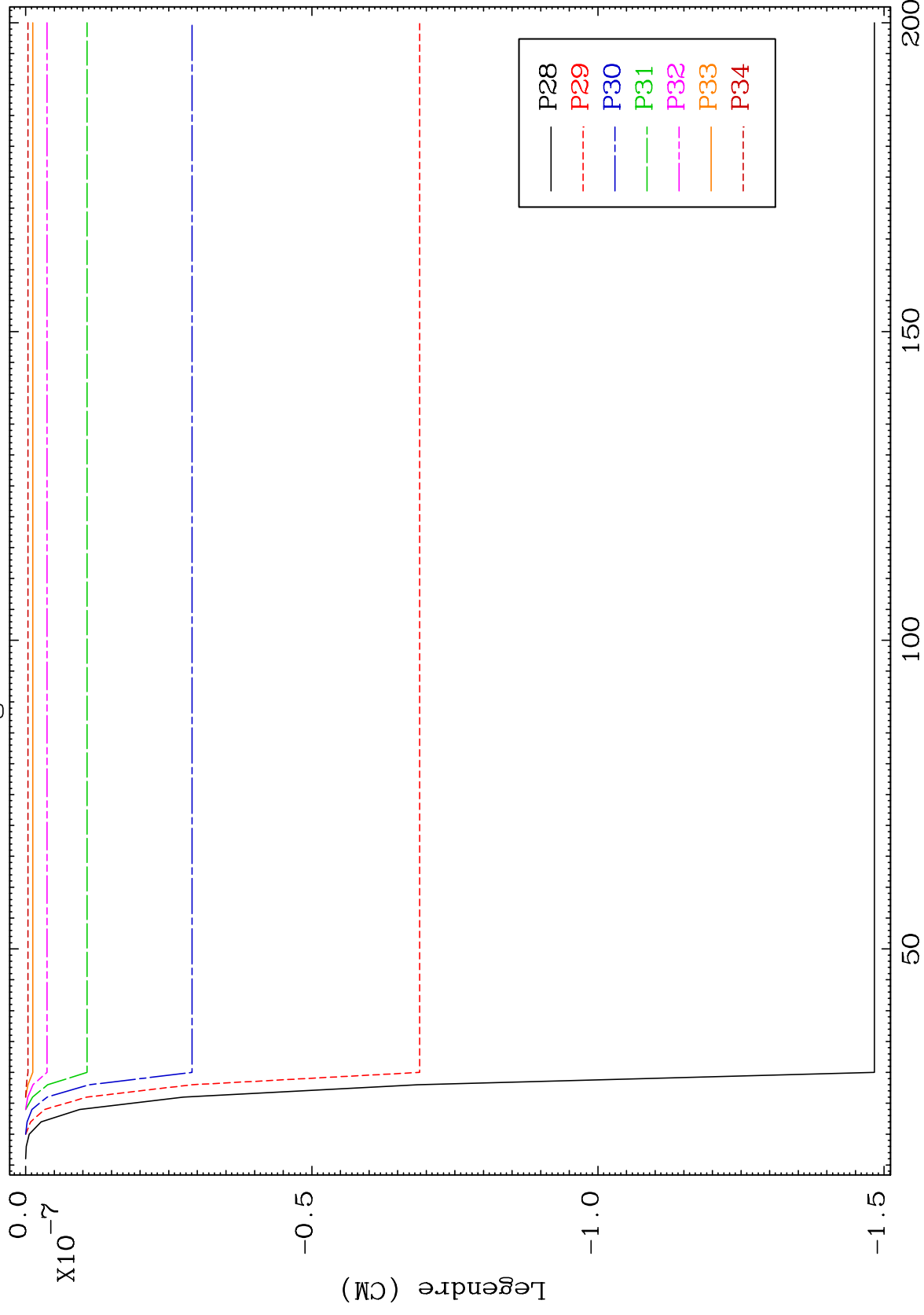
62-Sm-138



MAT 6207

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

62-Sm-138



74

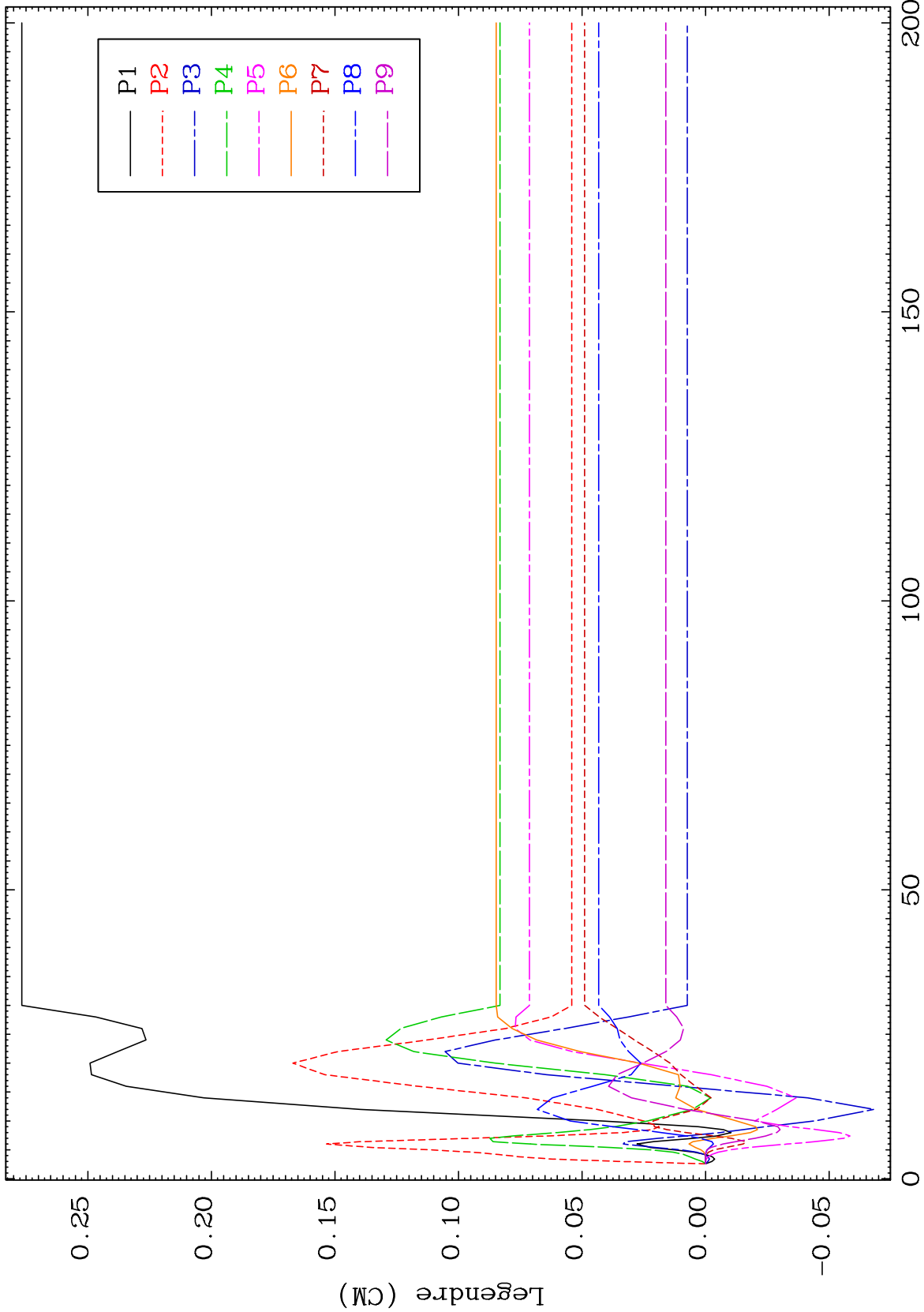
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



75

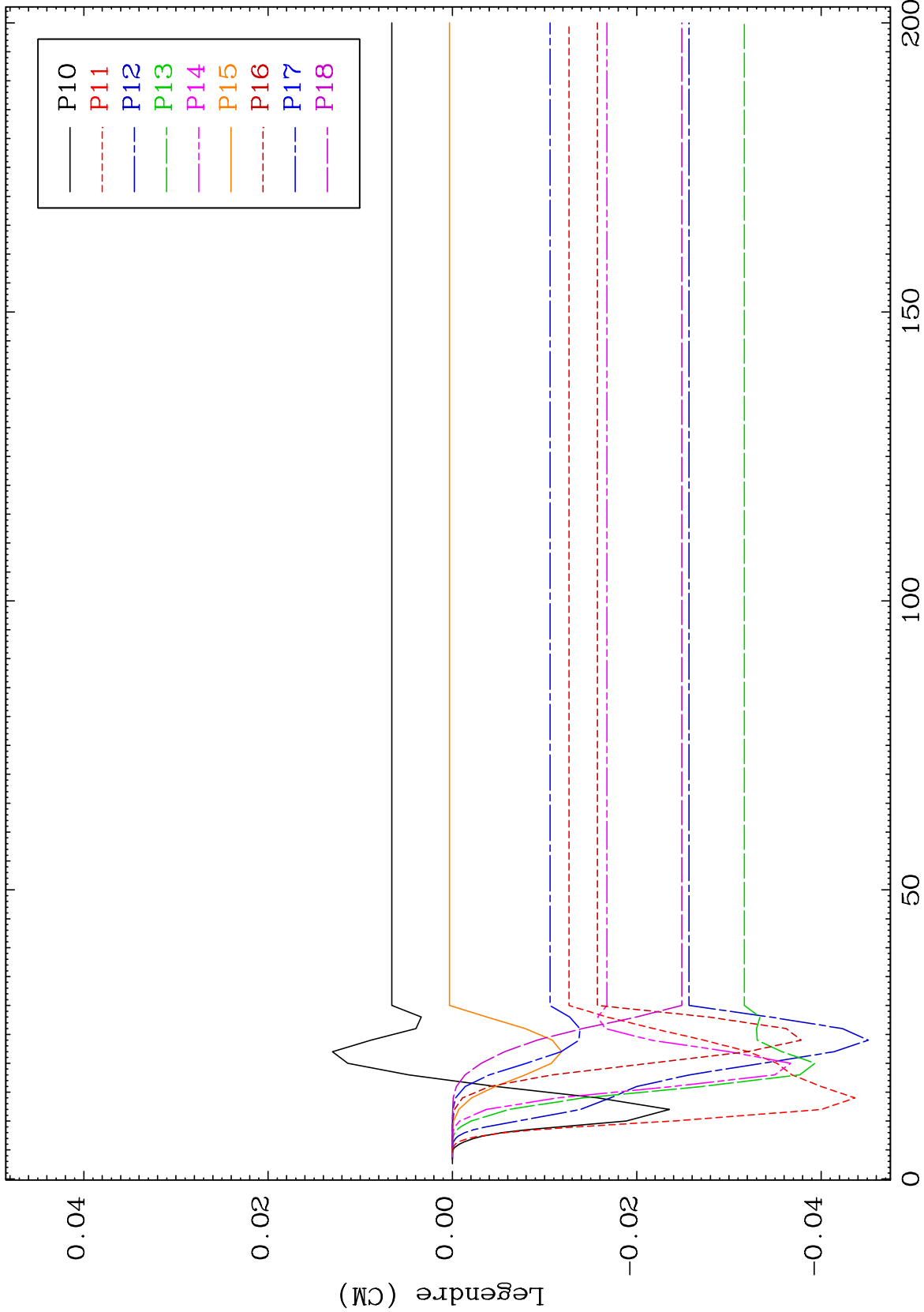
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

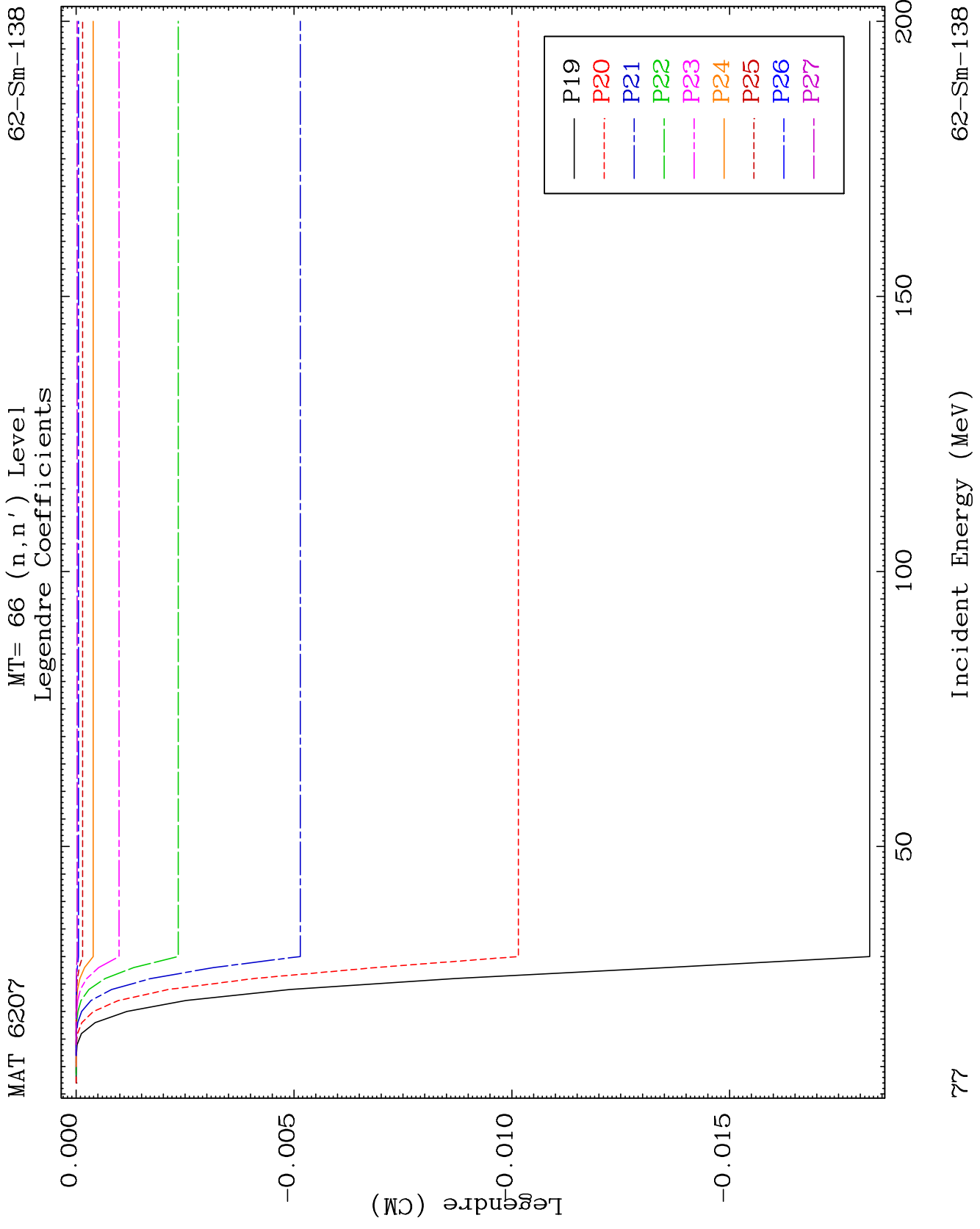
62-Sm-138

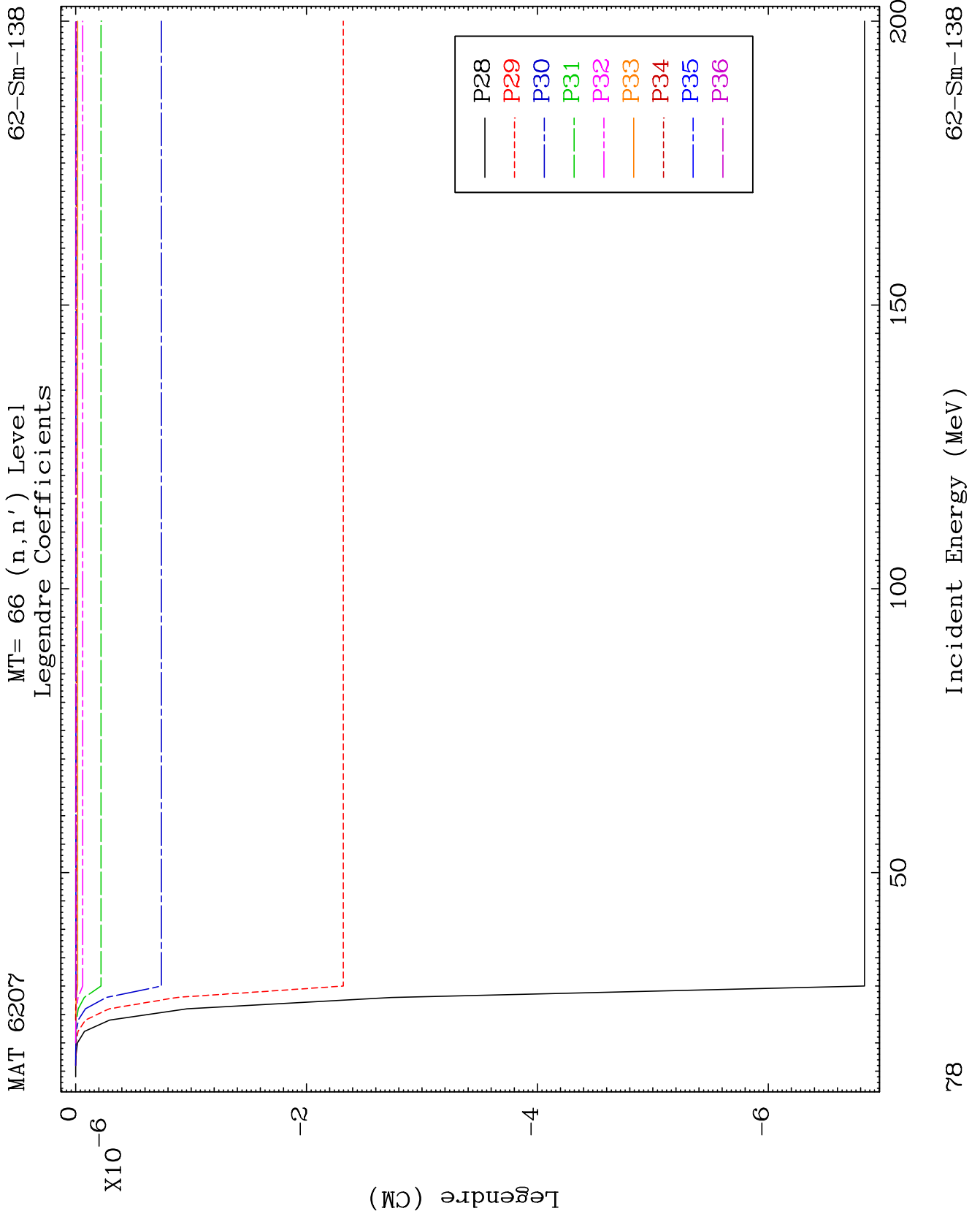


76

Incident Energy (MeV)

62-Sm-138

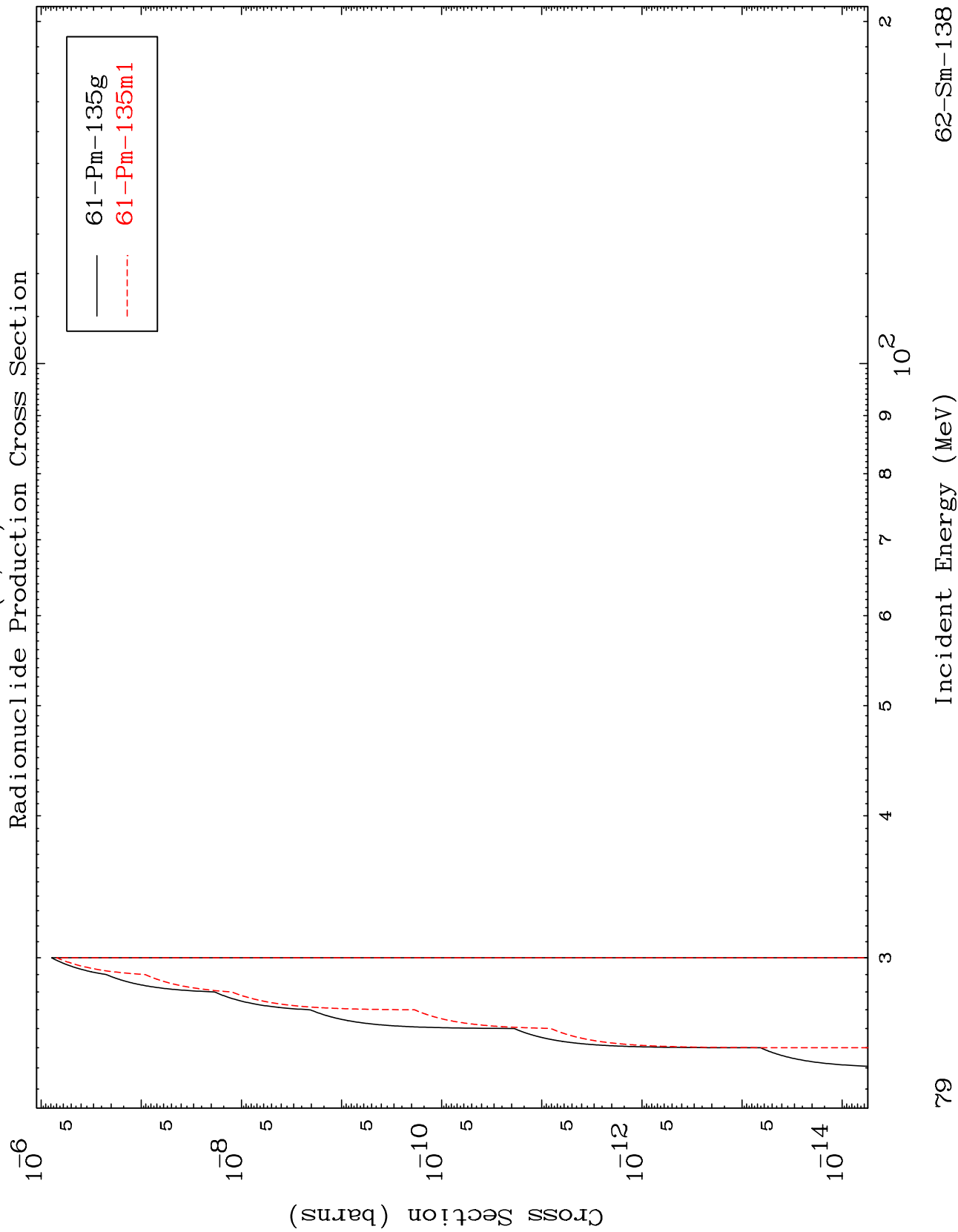




MAT 6207

(n,2n) d

62-Sm-138



79

62-Sm-138

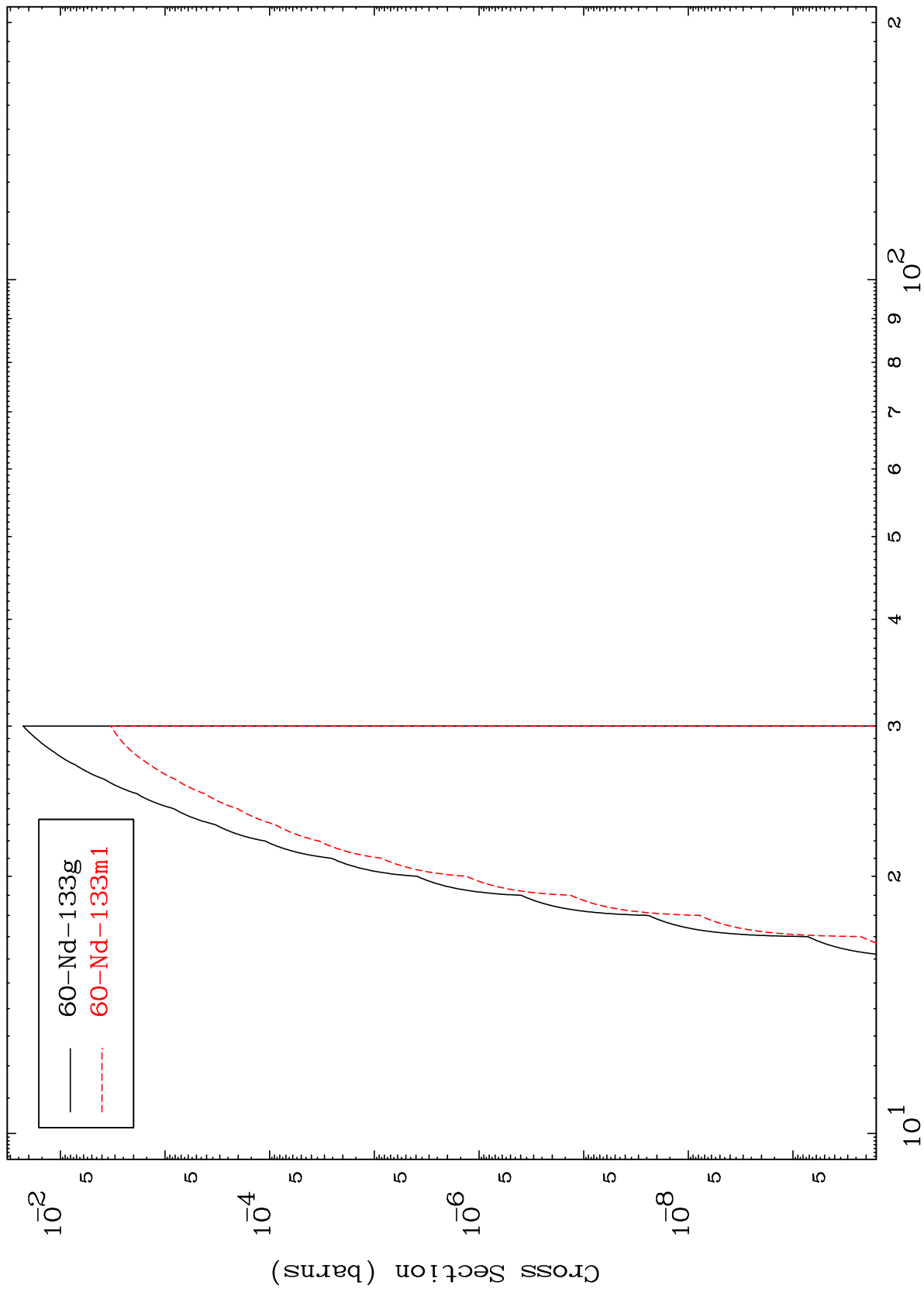


MAT 6207

(n,2n)  $\alpha$

62-Sm-138

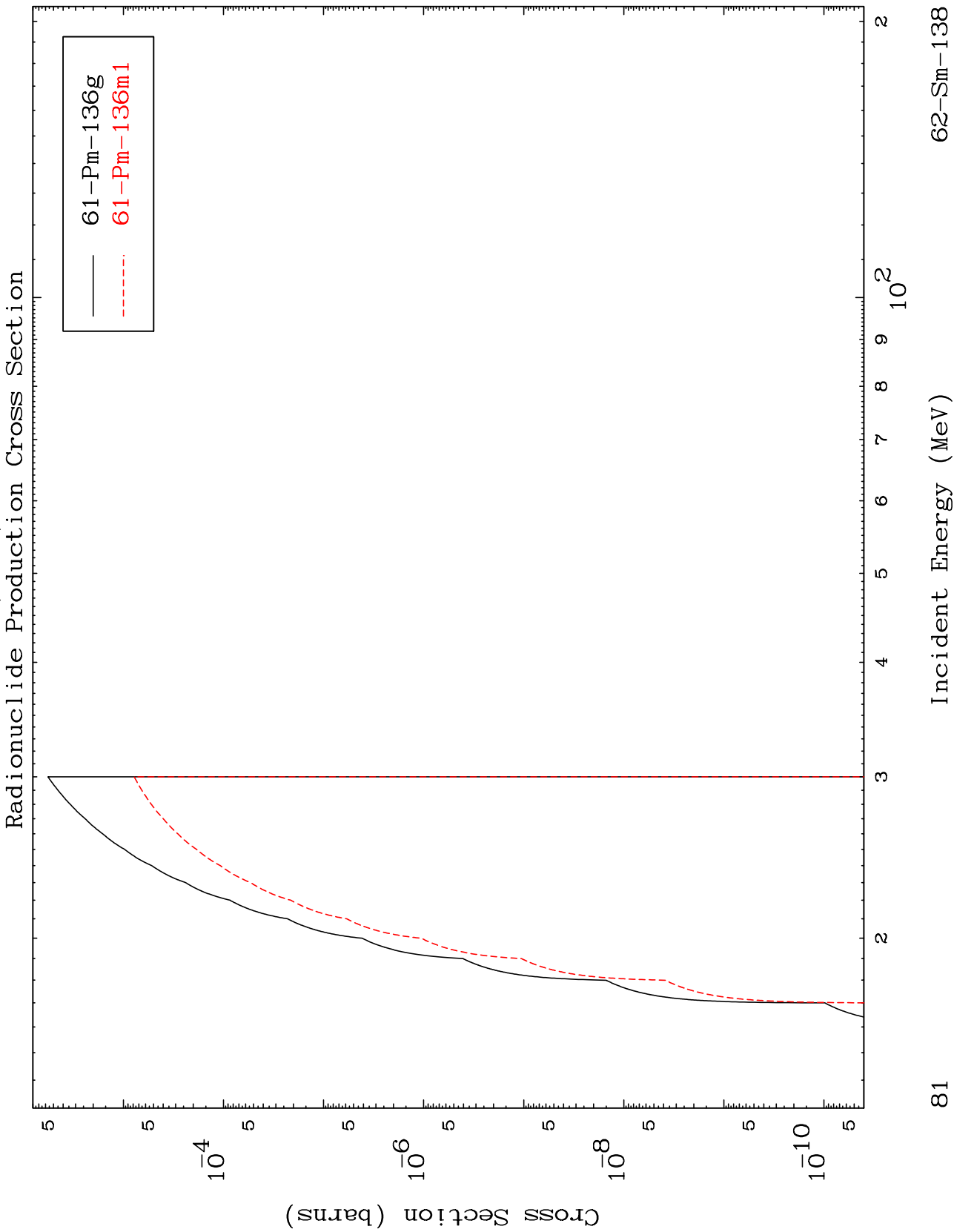
Radionuclide Production Cross Section



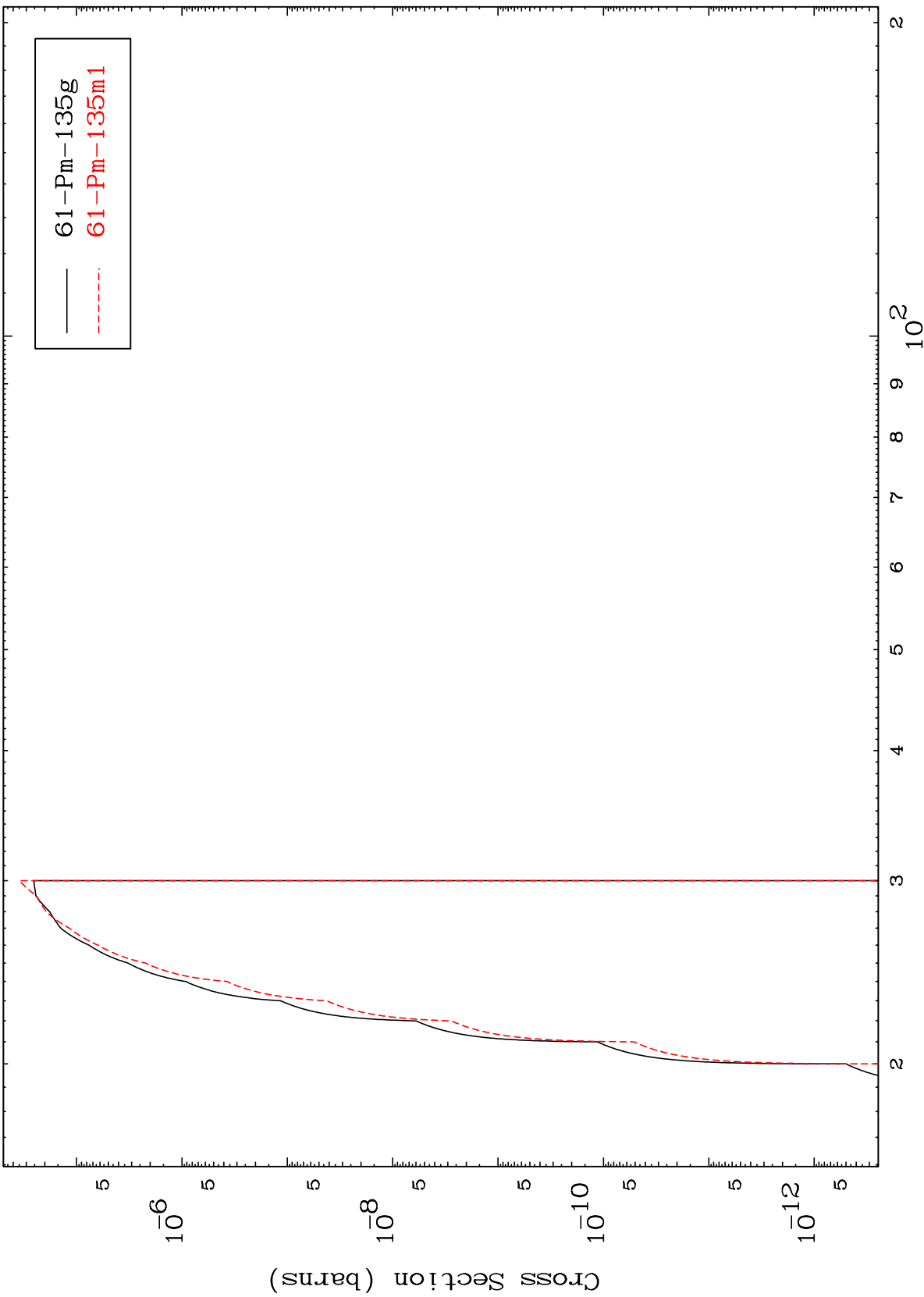
80

Incident Energy (MeV)

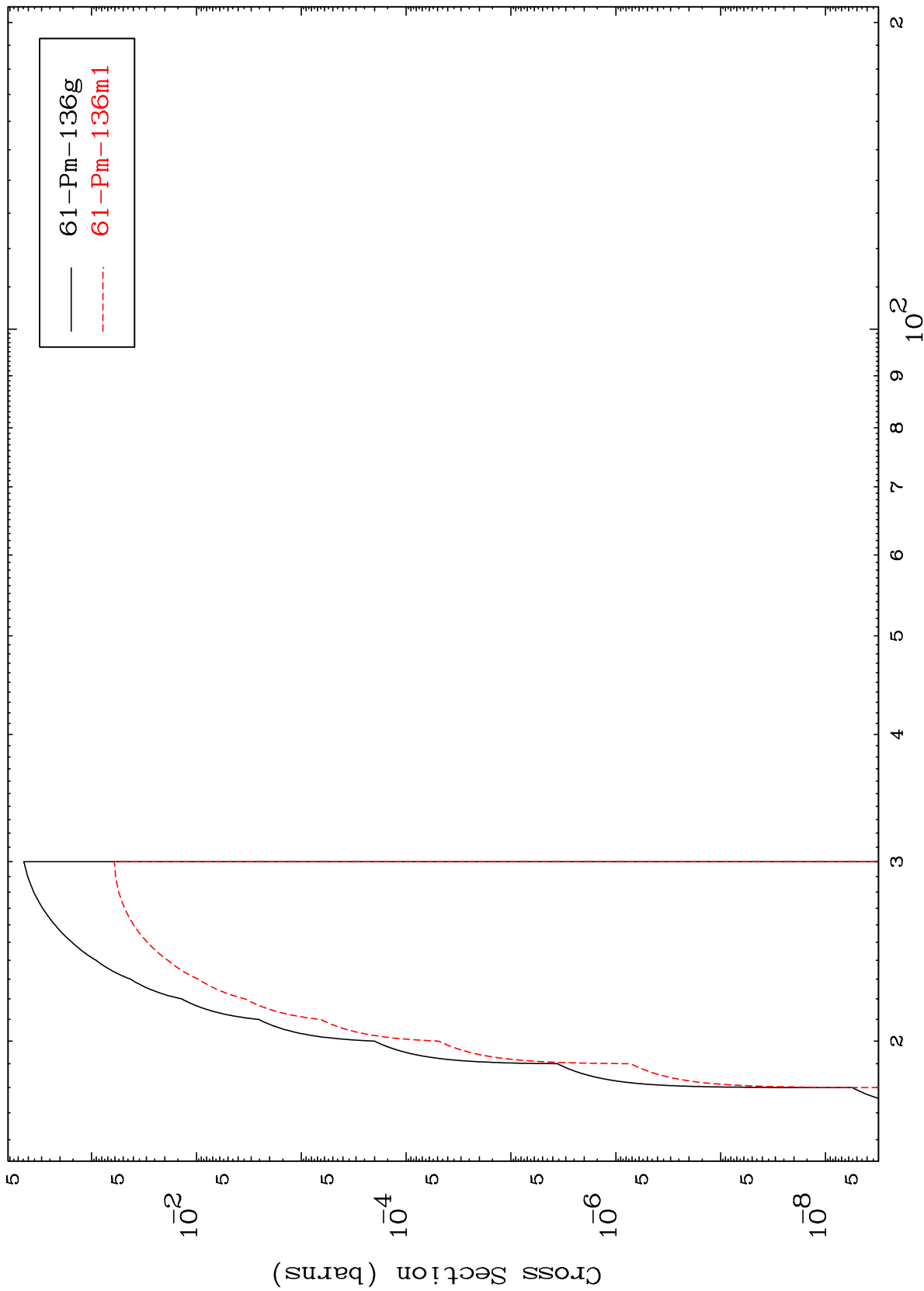
62-Sm-138



Radionuclide Production Cross Section



Radionuclide Production Cross Section



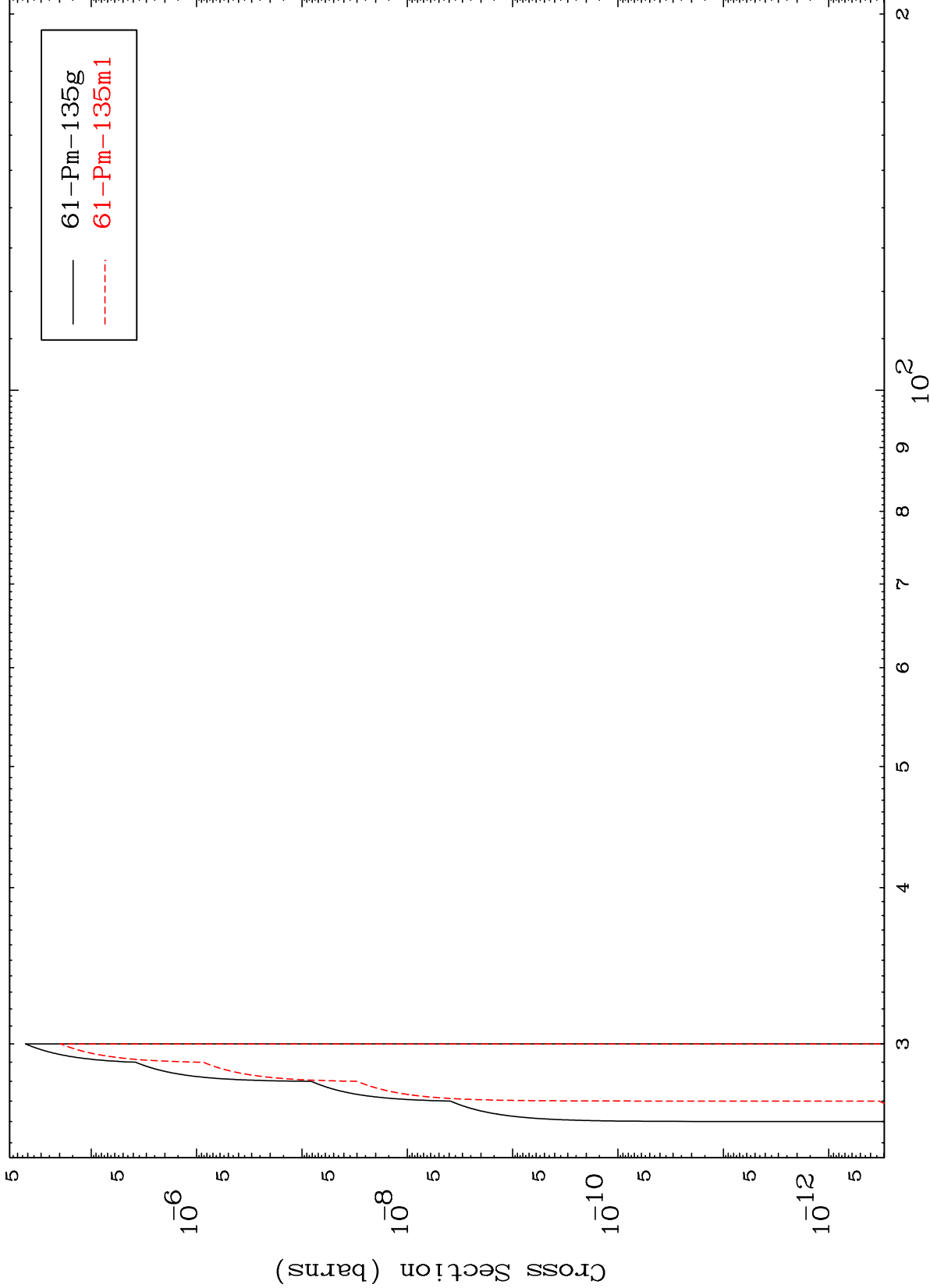
61-Pm-136g  
61-Pm-136m1

MAT 6207

(n,3n) p

62-Sm-138

Radionuclide Production Cross Section



61-Pm-135g  
61-Pm-135m1

84

Incident Energy (MeV)

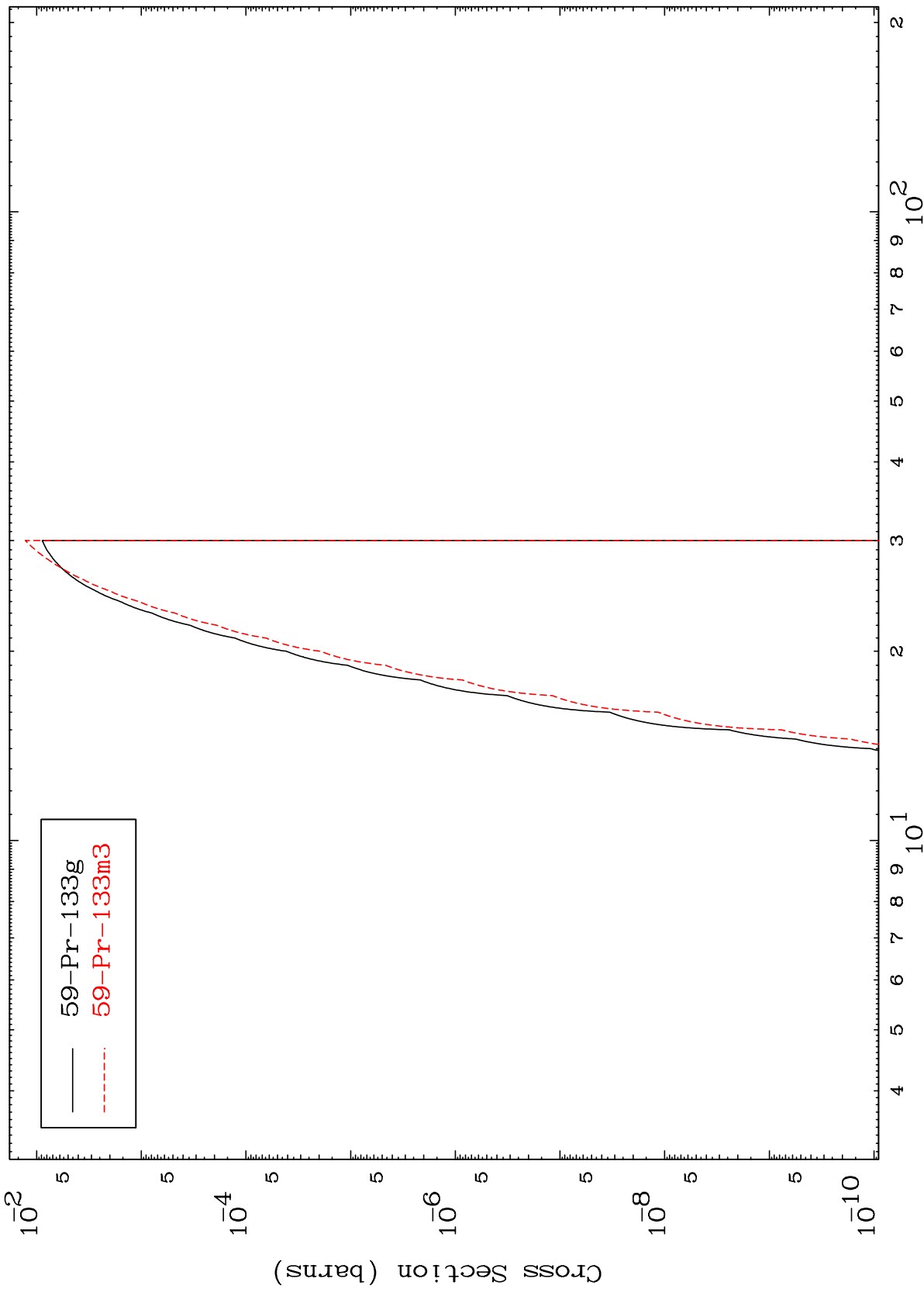
62-Sm-138

MAT 6207

(n,n') p  $\alpha$

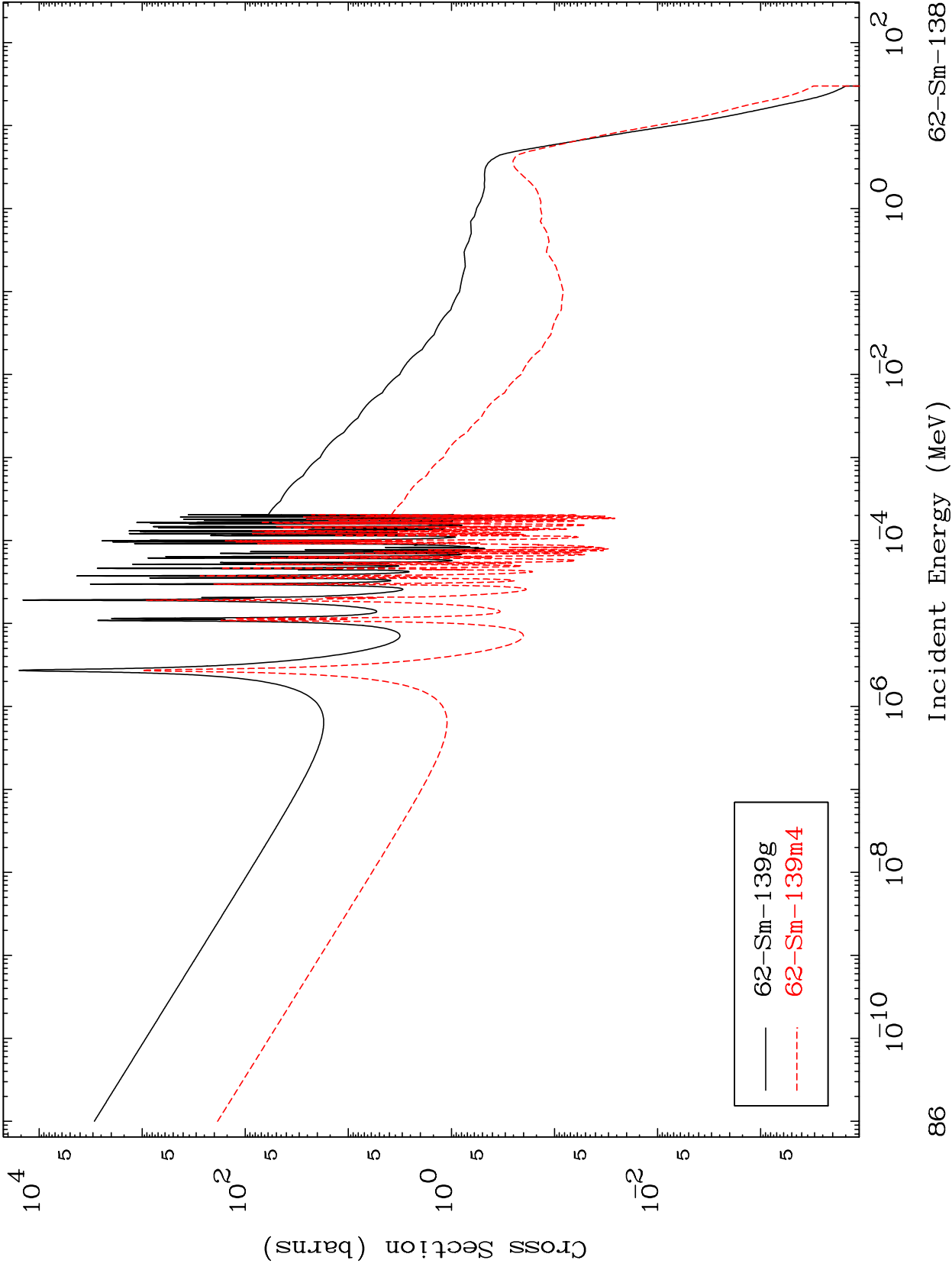
62-Sm-138

Radionuclide Production Cross Section

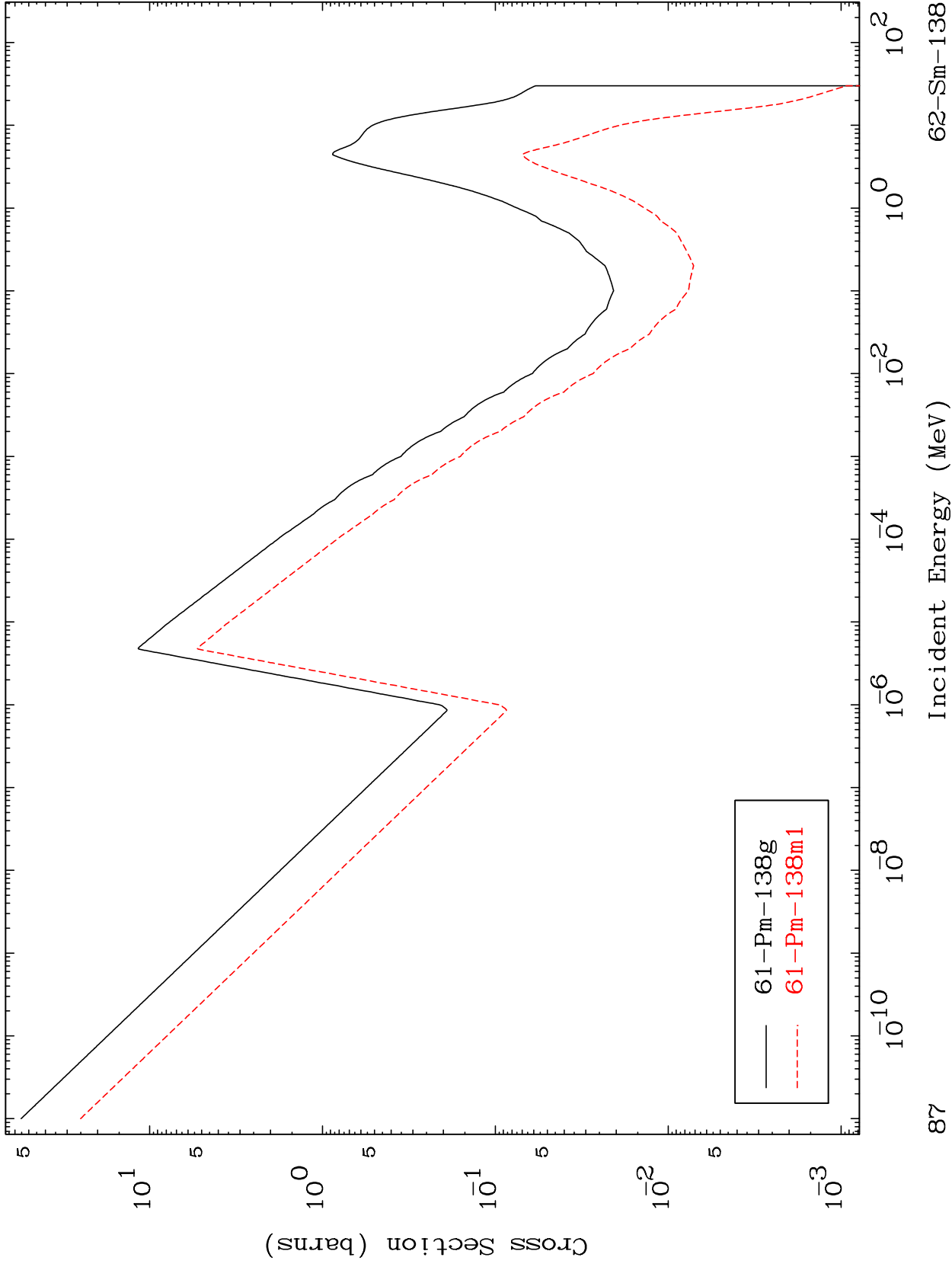


59-Pr-133g  
59-Pr-133m3

Radionuclide Production Cross Section  
(n,  $\gamma$ )



(n,p)  
Radionuclide Production Cross Section

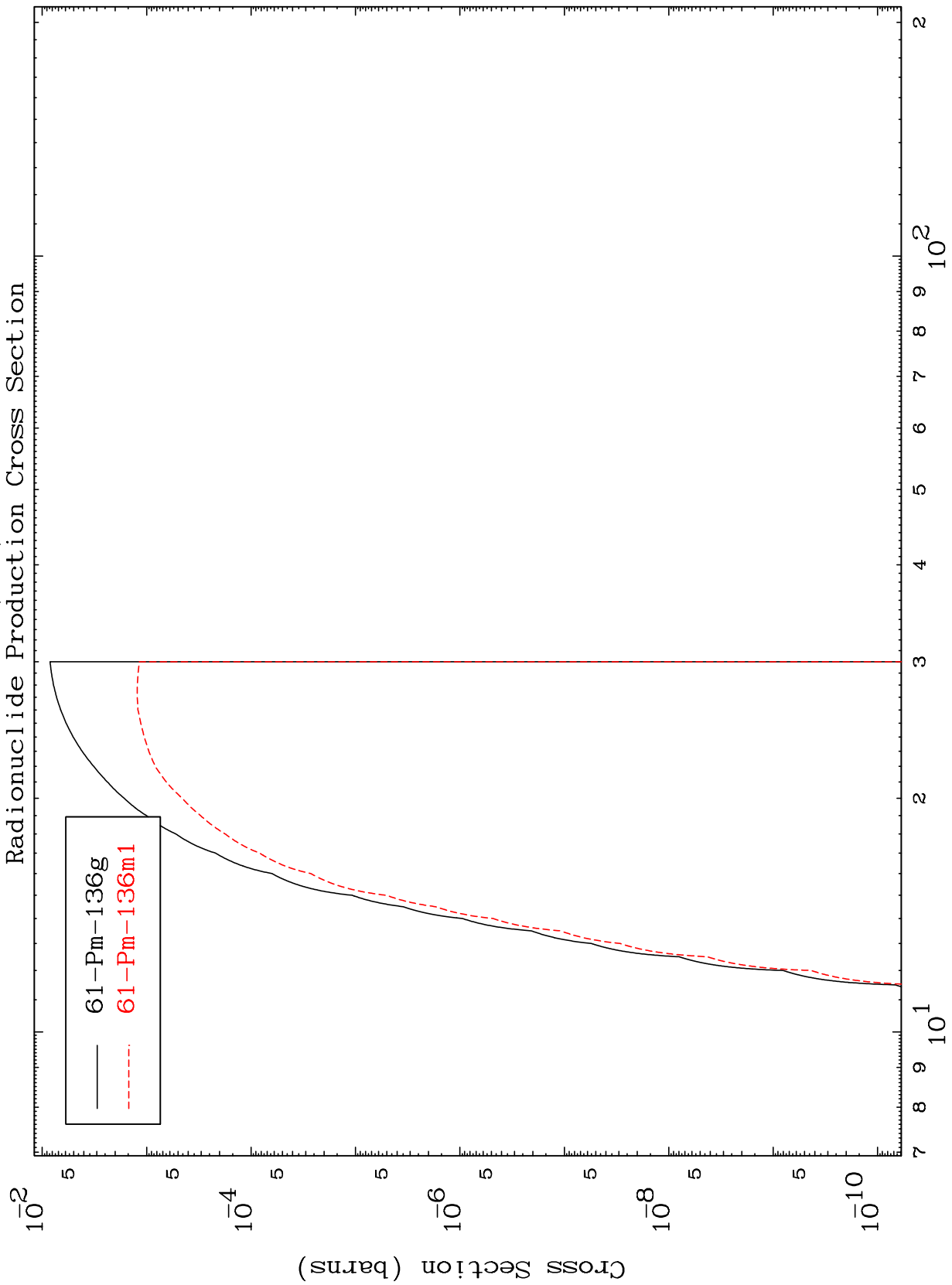




MAT 6207

62-Sm-138

(n, t)  
Radionuclide Production Cross Section



88

Incident Energy (MeV)

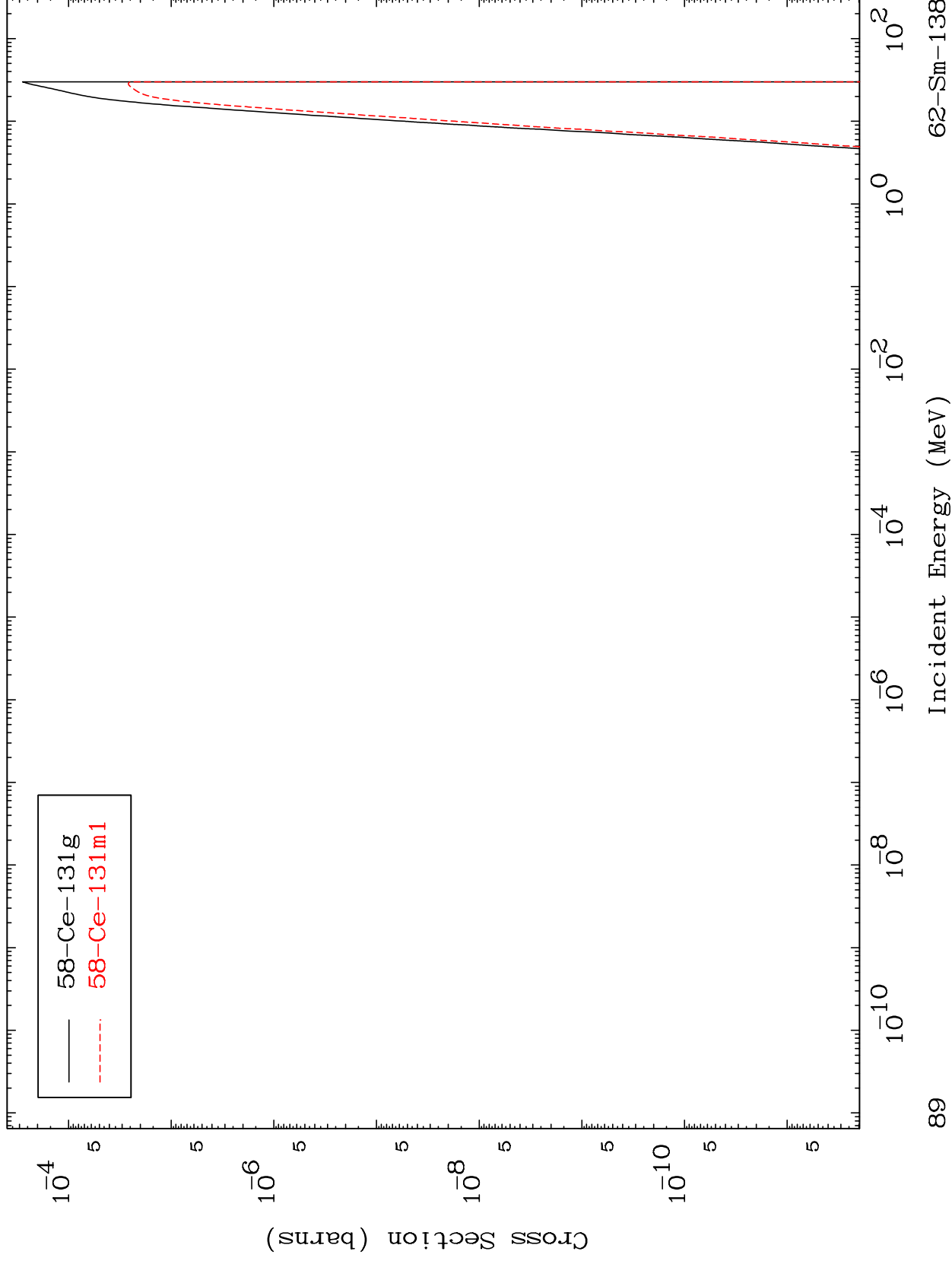
62-Sm-138

MAT 6207

(n,2α)

62-Sm-138

Radionuclide Production Cross Section

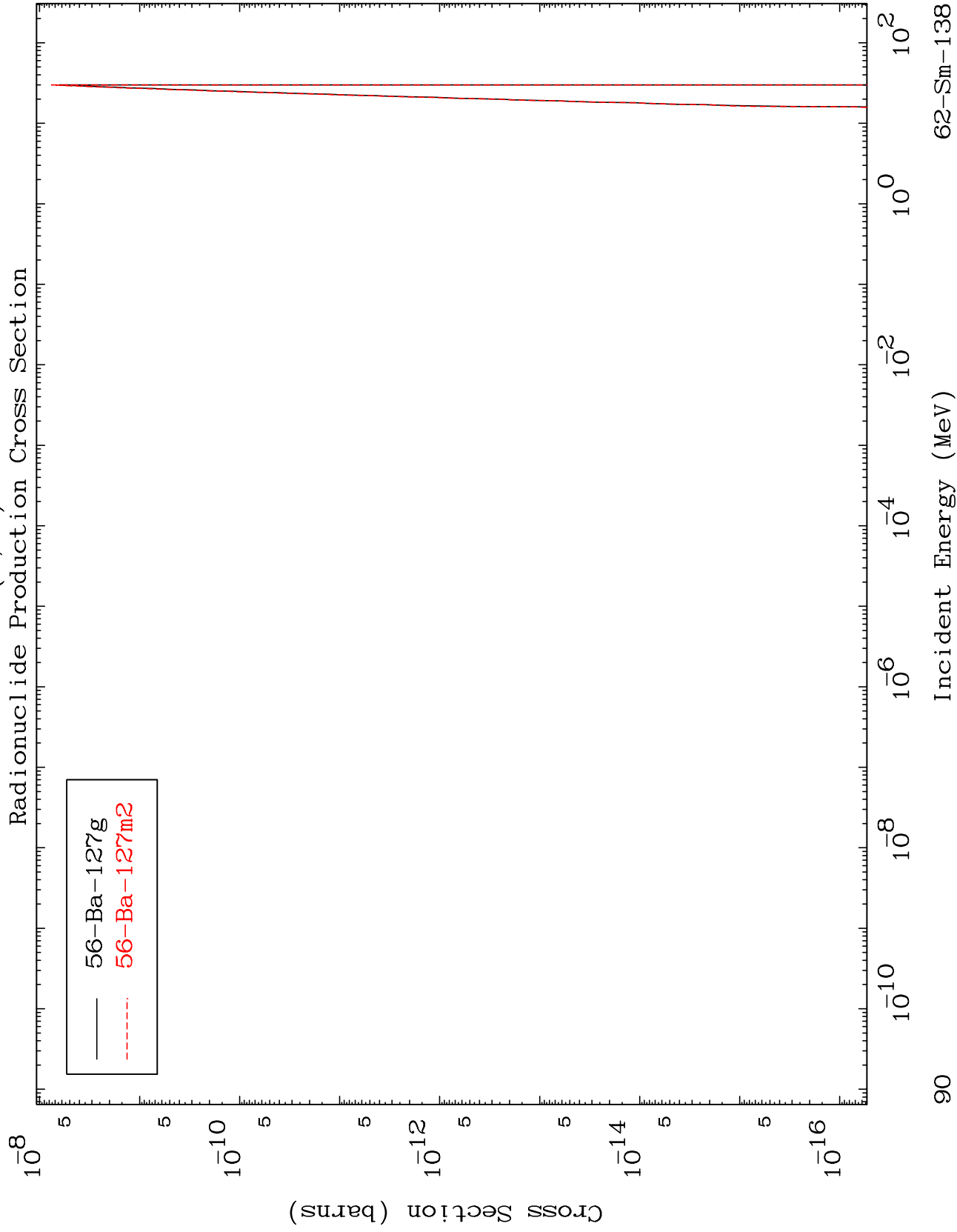


MAT 6207

(n,3 $\alpha$ )

62-Sm-138

Radionuclide Production Cross Section



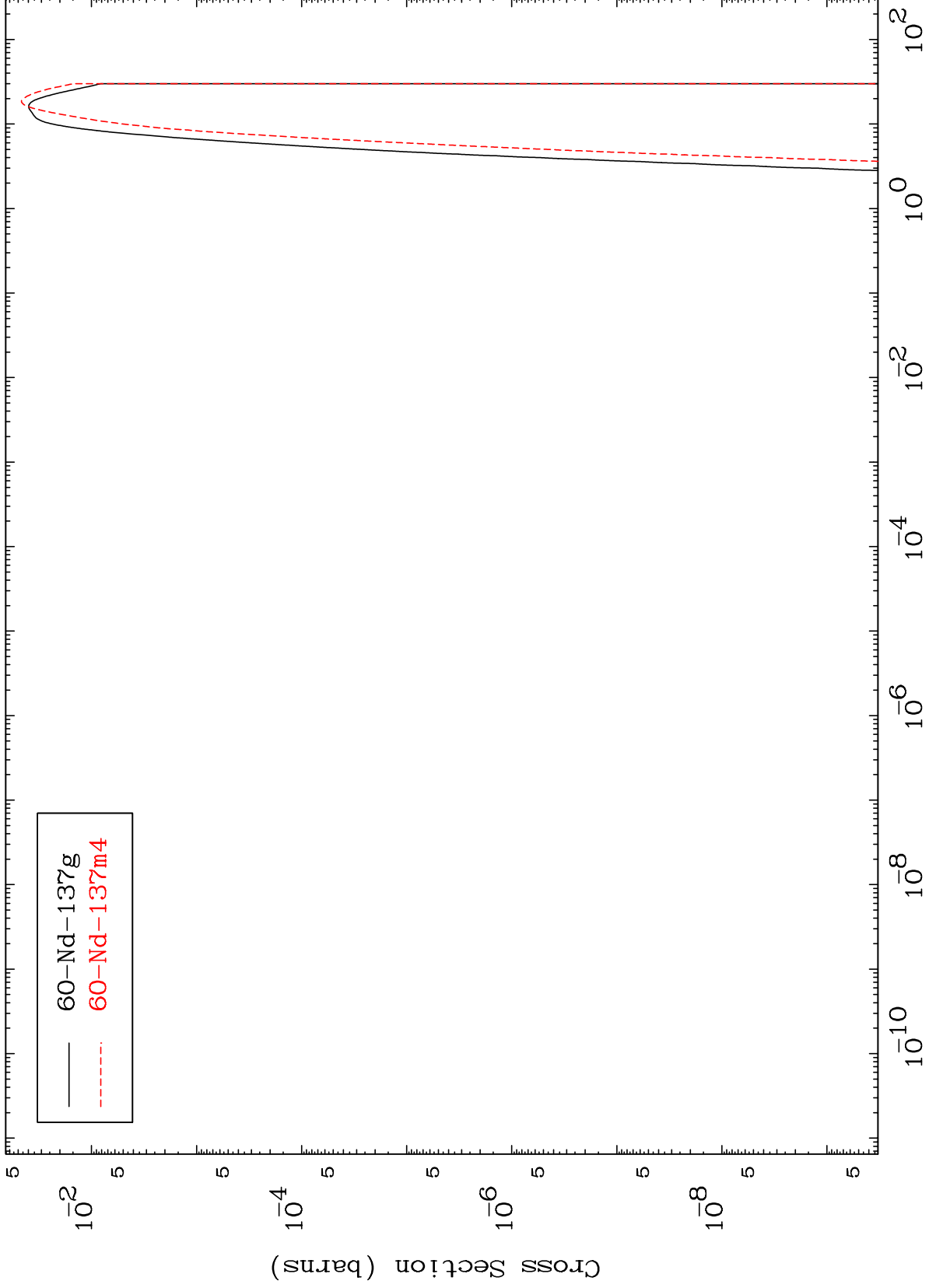
90

MAT 6207

(n,2p)

62-Sm-138

Radionuclide Production Cross Section

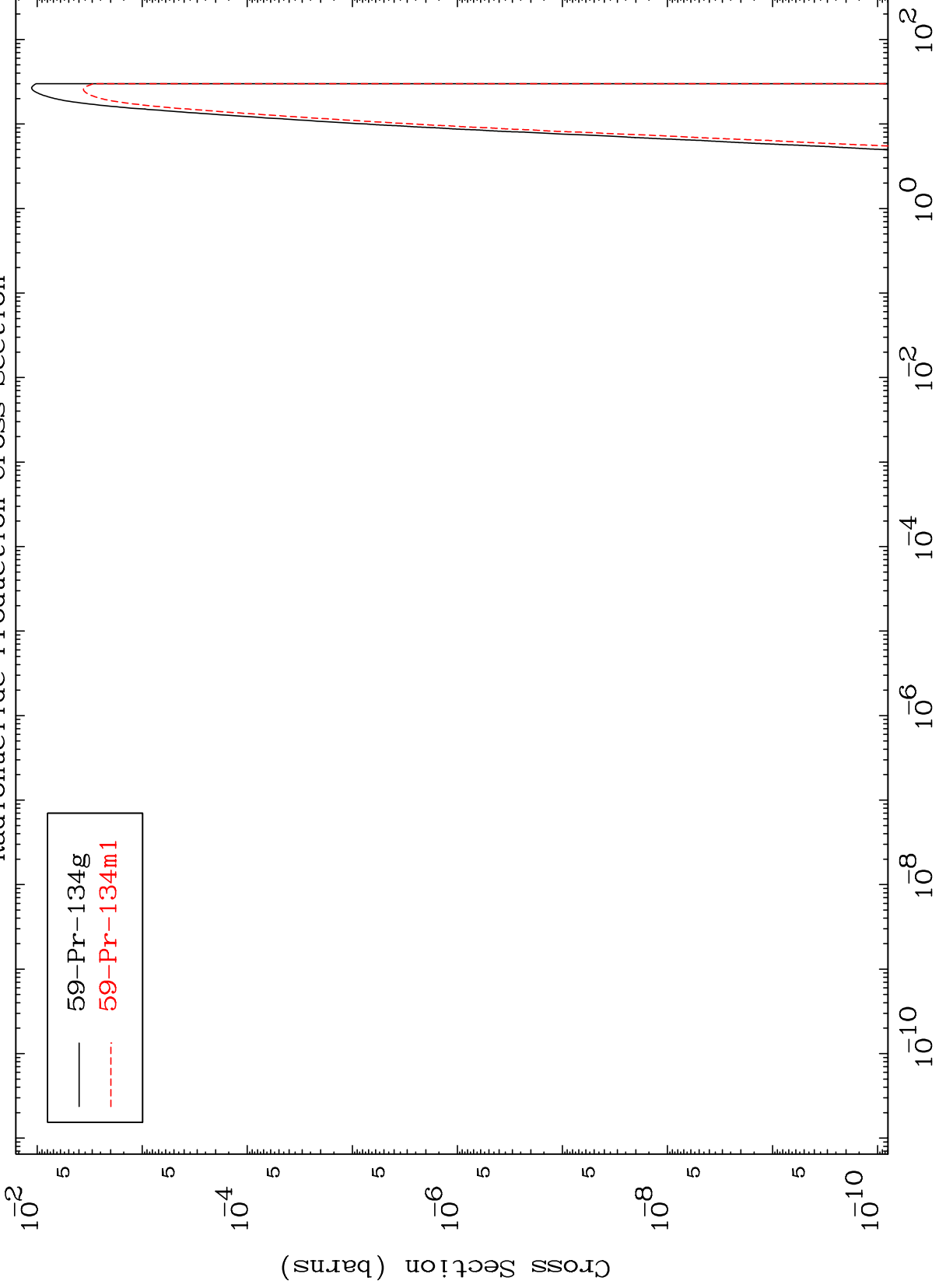


MAT 6207

(n,p)  $\alpha$

62-Sm-138

Radionuclide Production Cross Section



92

Incident Energy (MeV)

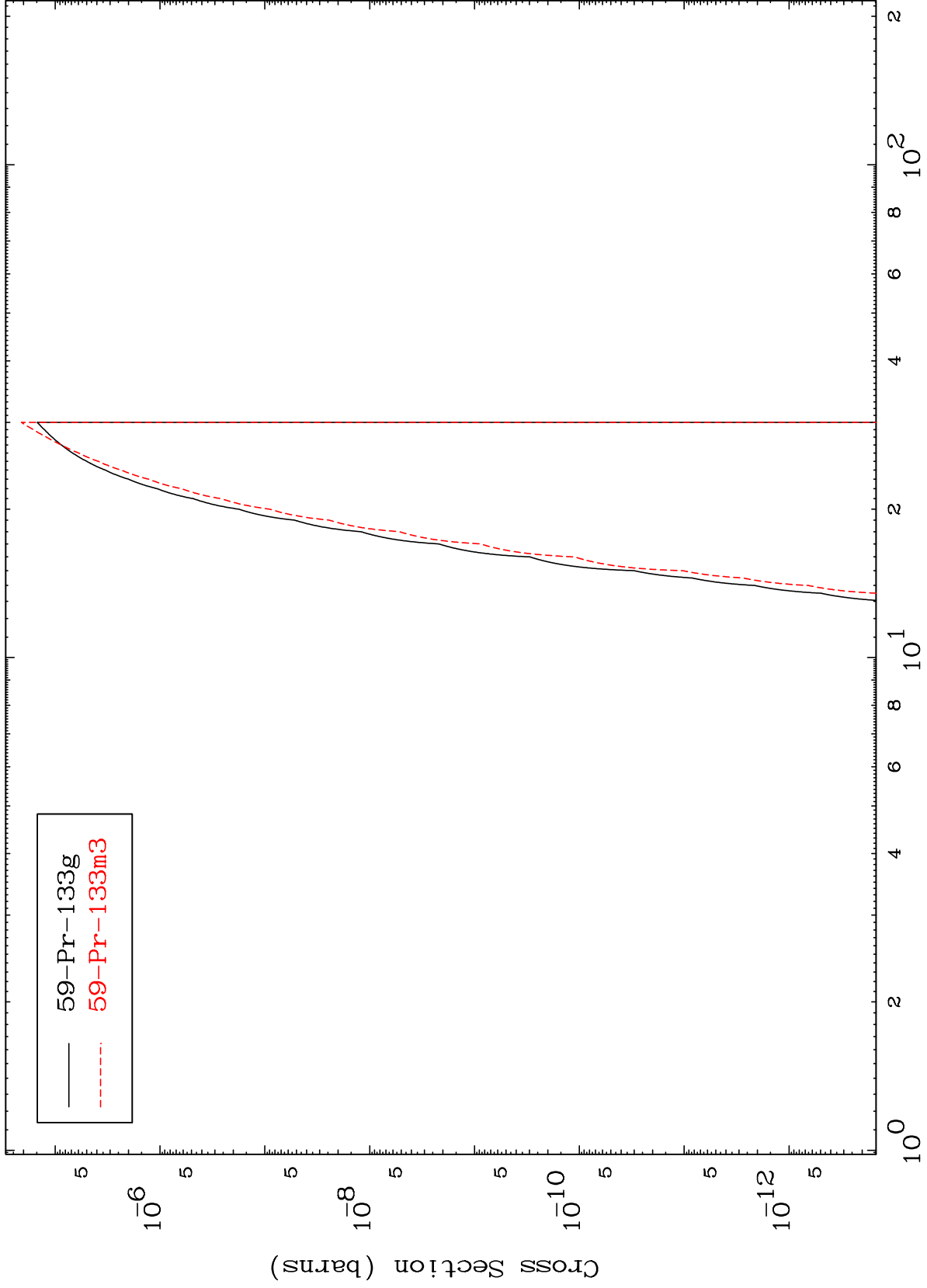
62-Sm-138

MAT 6207

(n,d)  $\alpha$

62-Sm-138

Radionuclide Production Cross Section



93

Incident Energy (MeV)

62-Sm-138