

Program EVALPLOT
(Version 2021-1)

by

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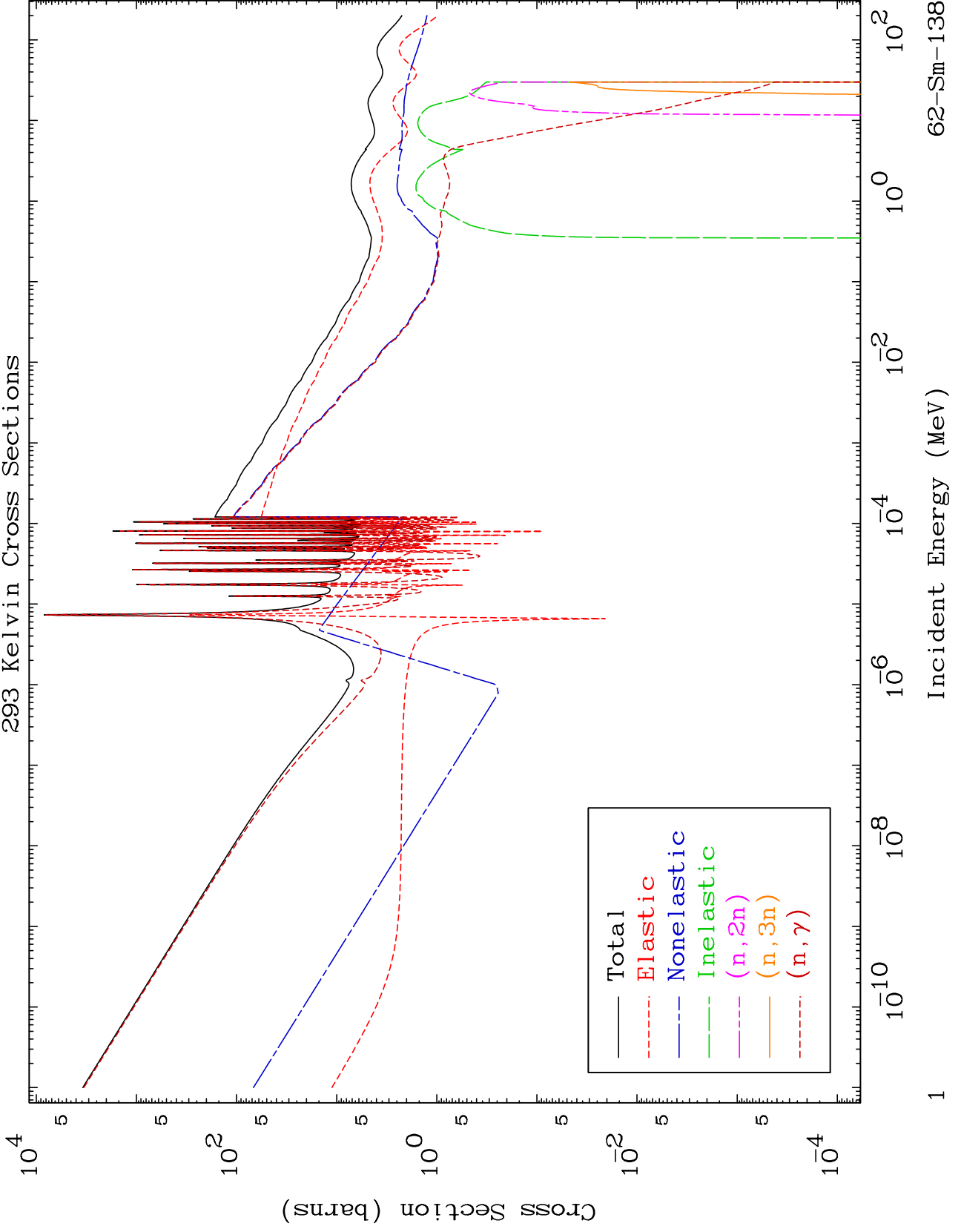
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Press Mouse Button to Start

MAT 6207

Neutron Major
293 Kelvin Cross Sections

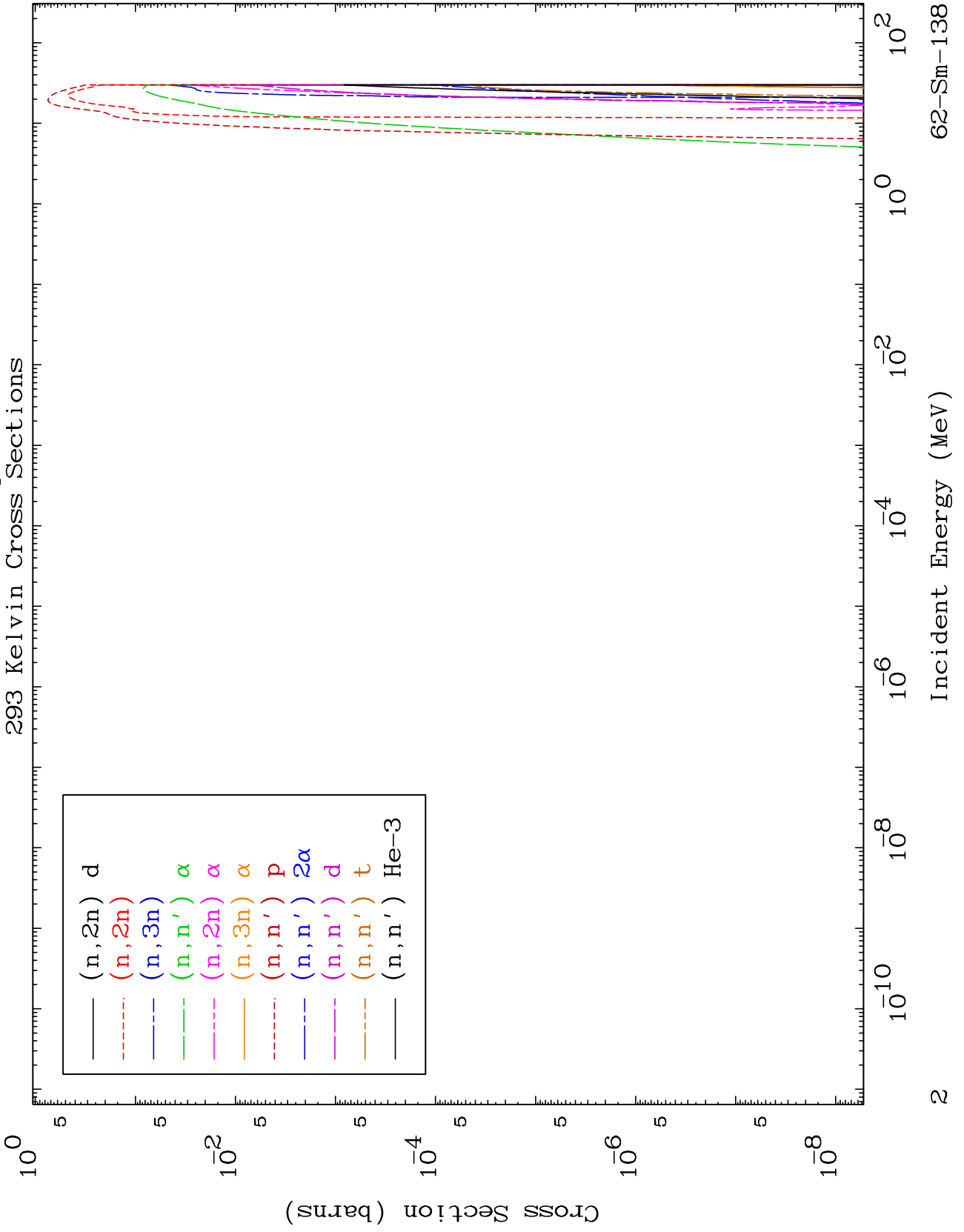
62-Sm-138



MAT 6207

Neutron Absorption
293 Kelvin Cross Sections

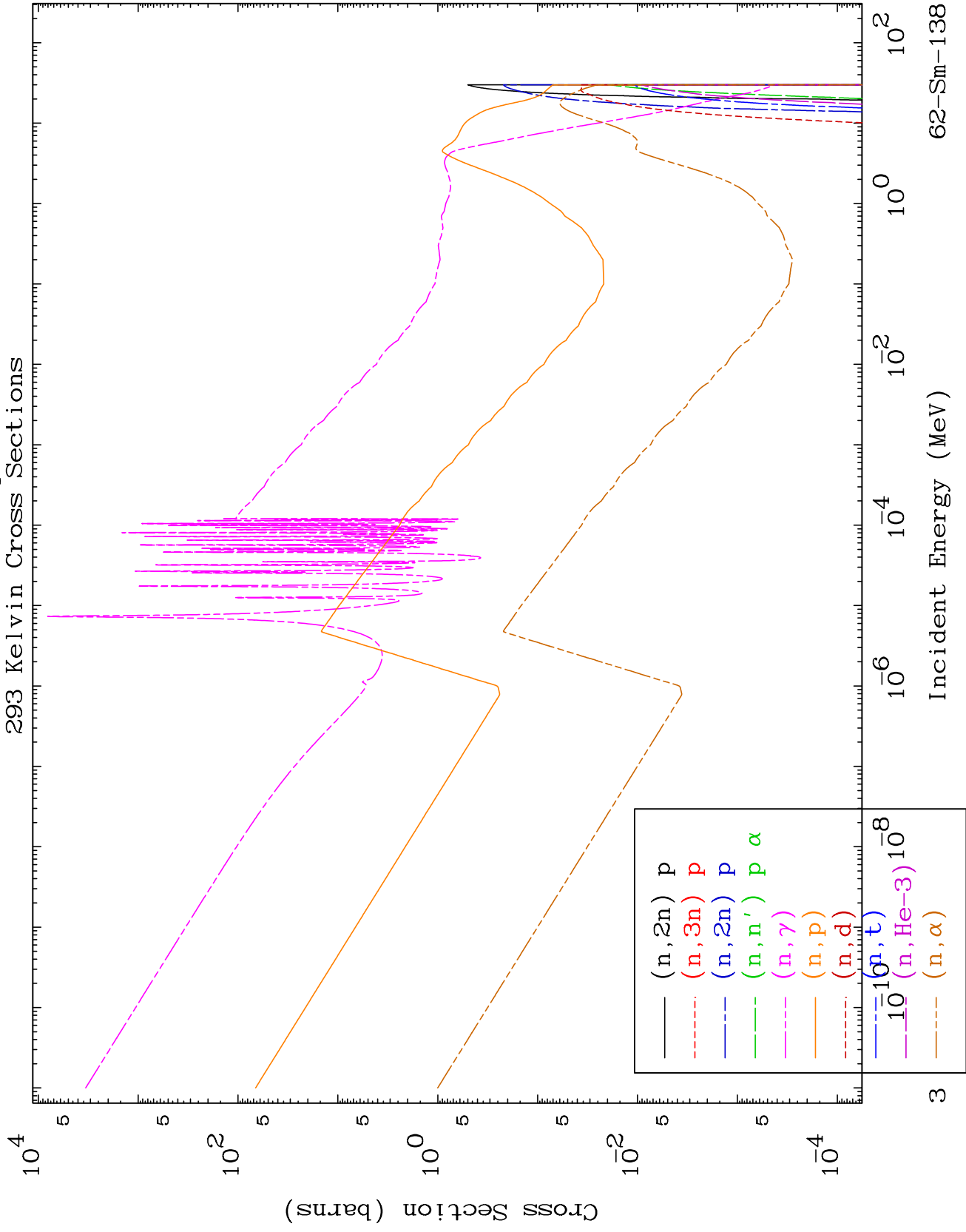
62-Sm-138



MAT 6207

Neutron Absorption
293 Kelvin Cross Sections

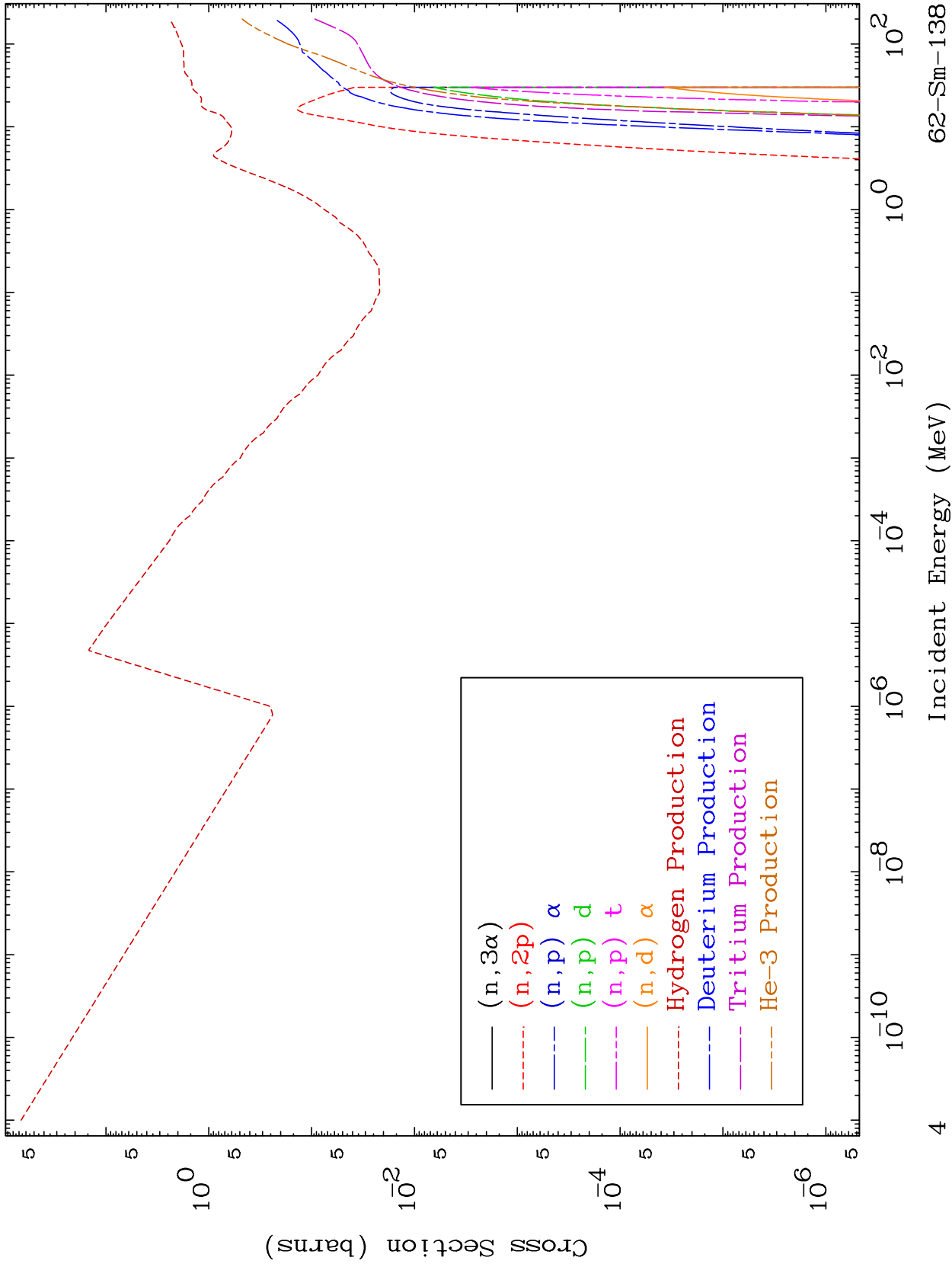
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MAT 6207

Neutron Absorption
293 Kelvin Cross Sections

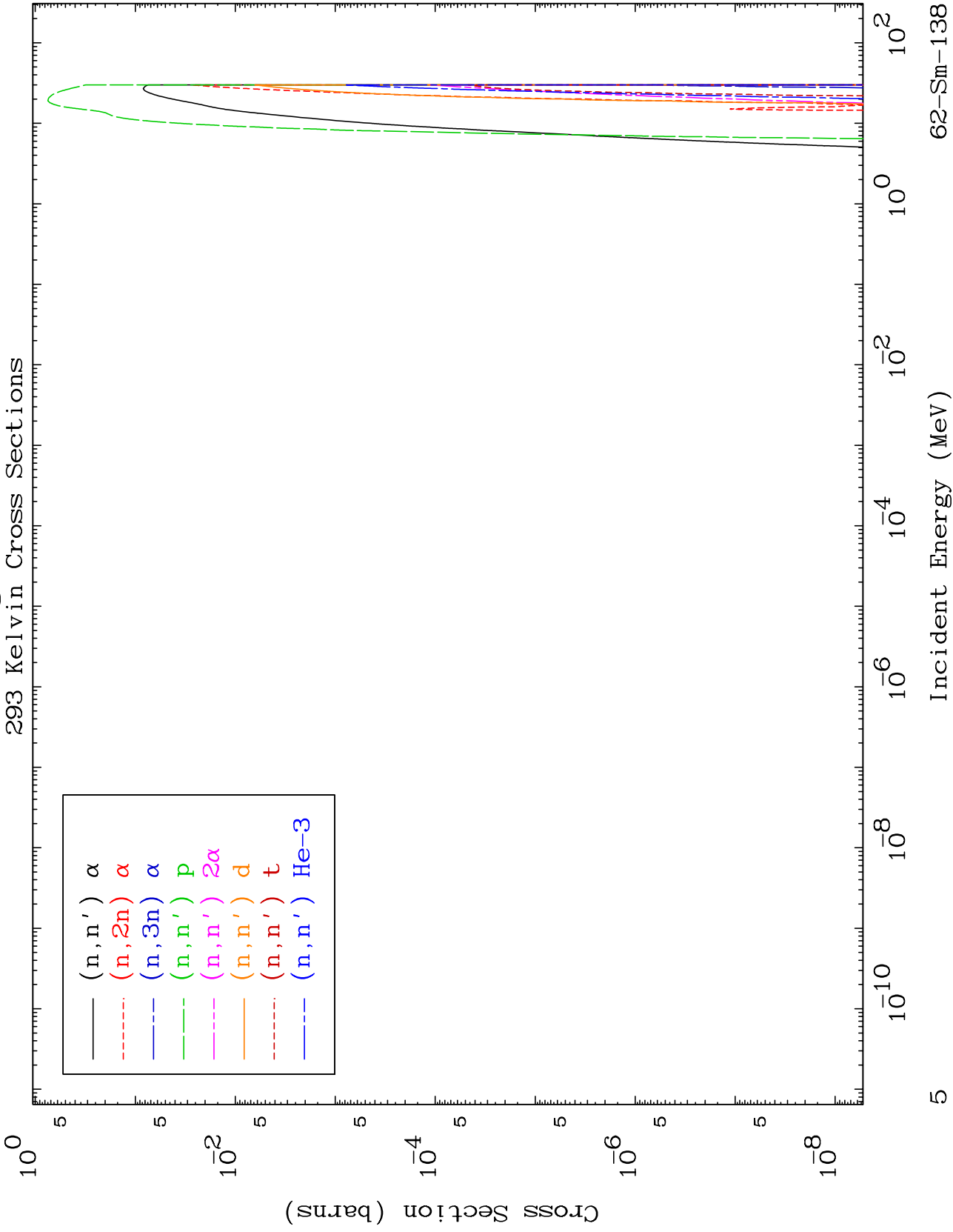
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MAT 6207

Charged Particle
293 Kelvin Cross Sections

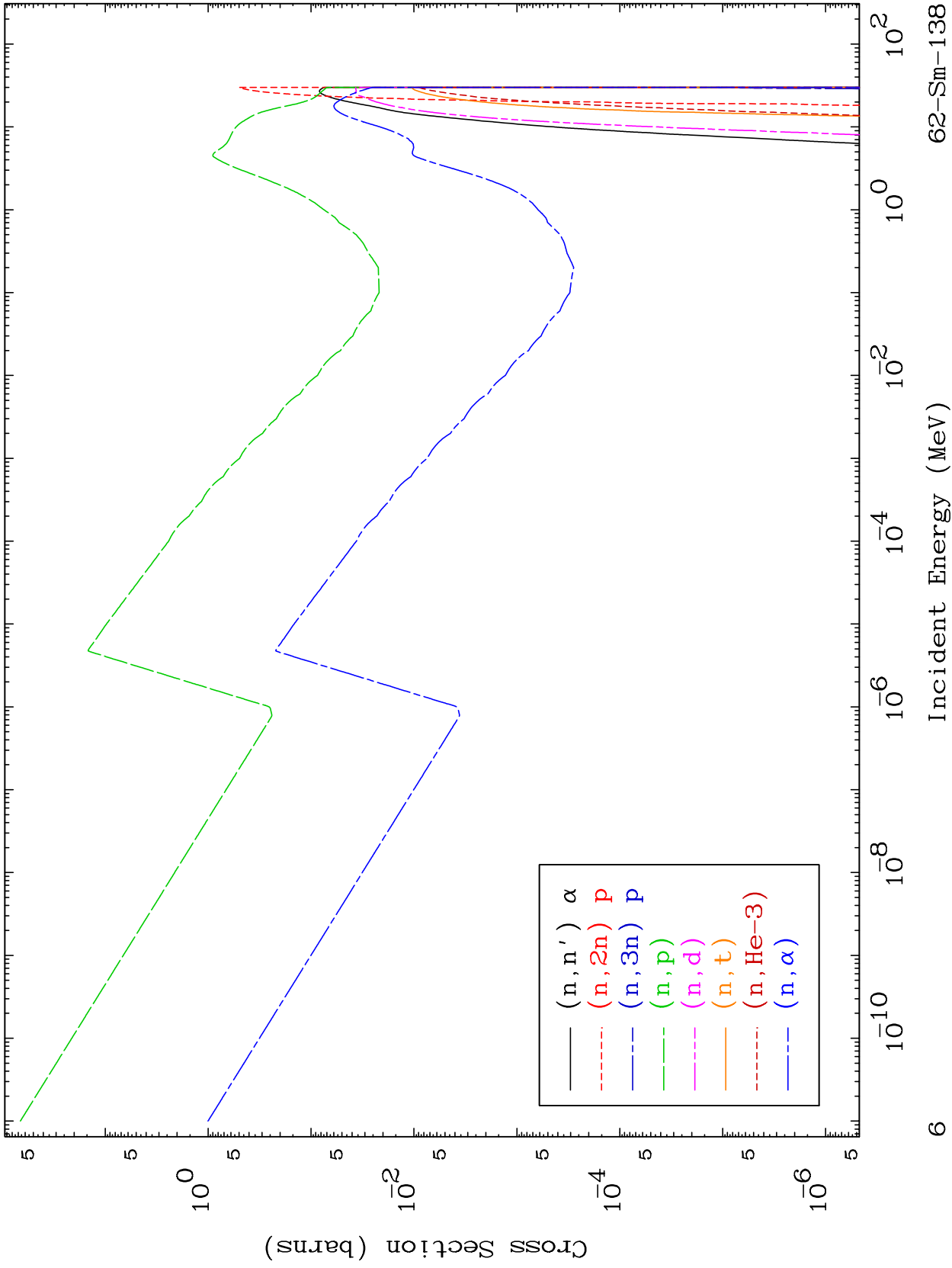
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MAT 6207

Charged Particle
293 Kelvin Cross Sections

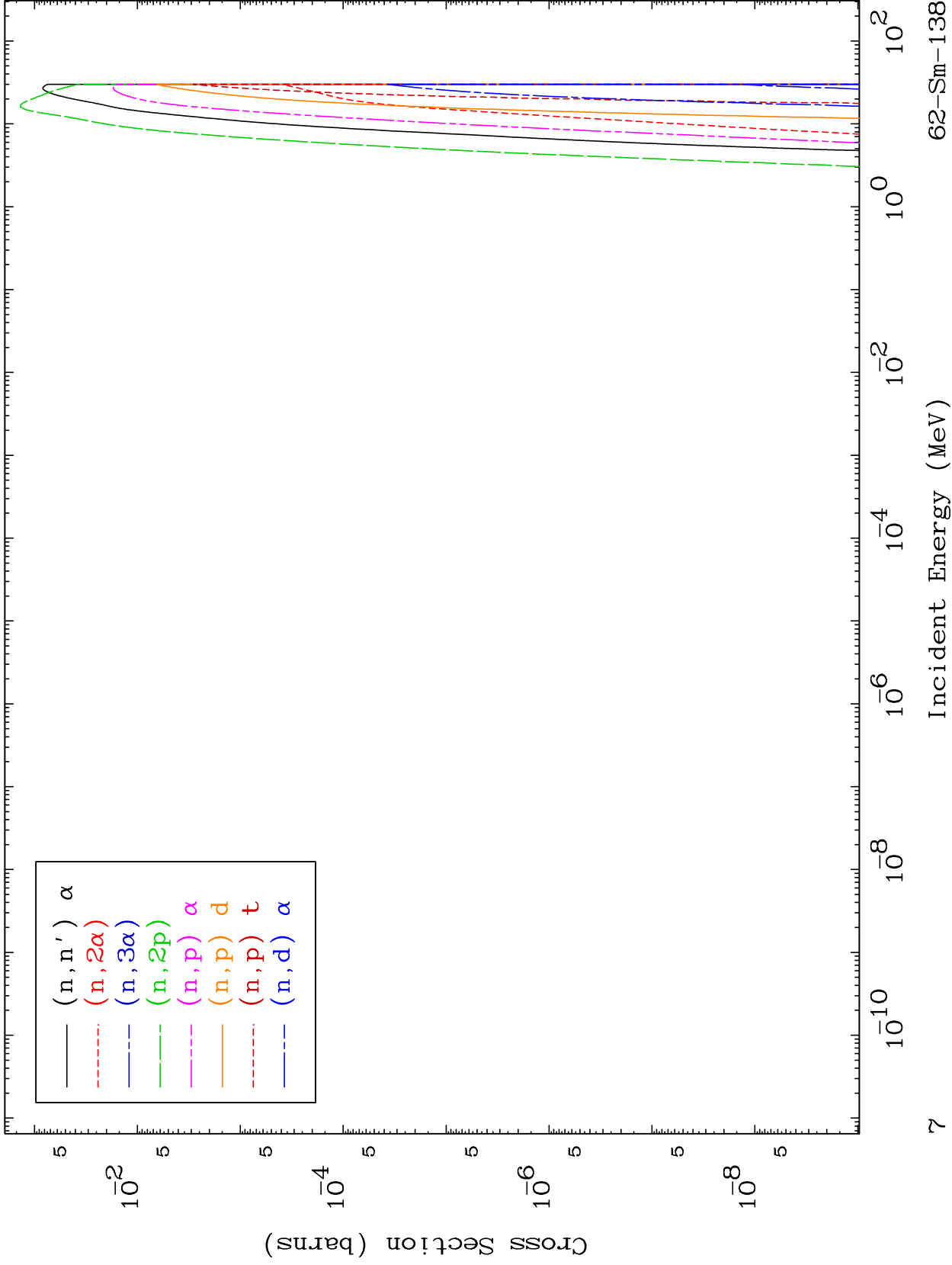
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MAT 6207

Charged Particle
293 Kelvin Cross Sections

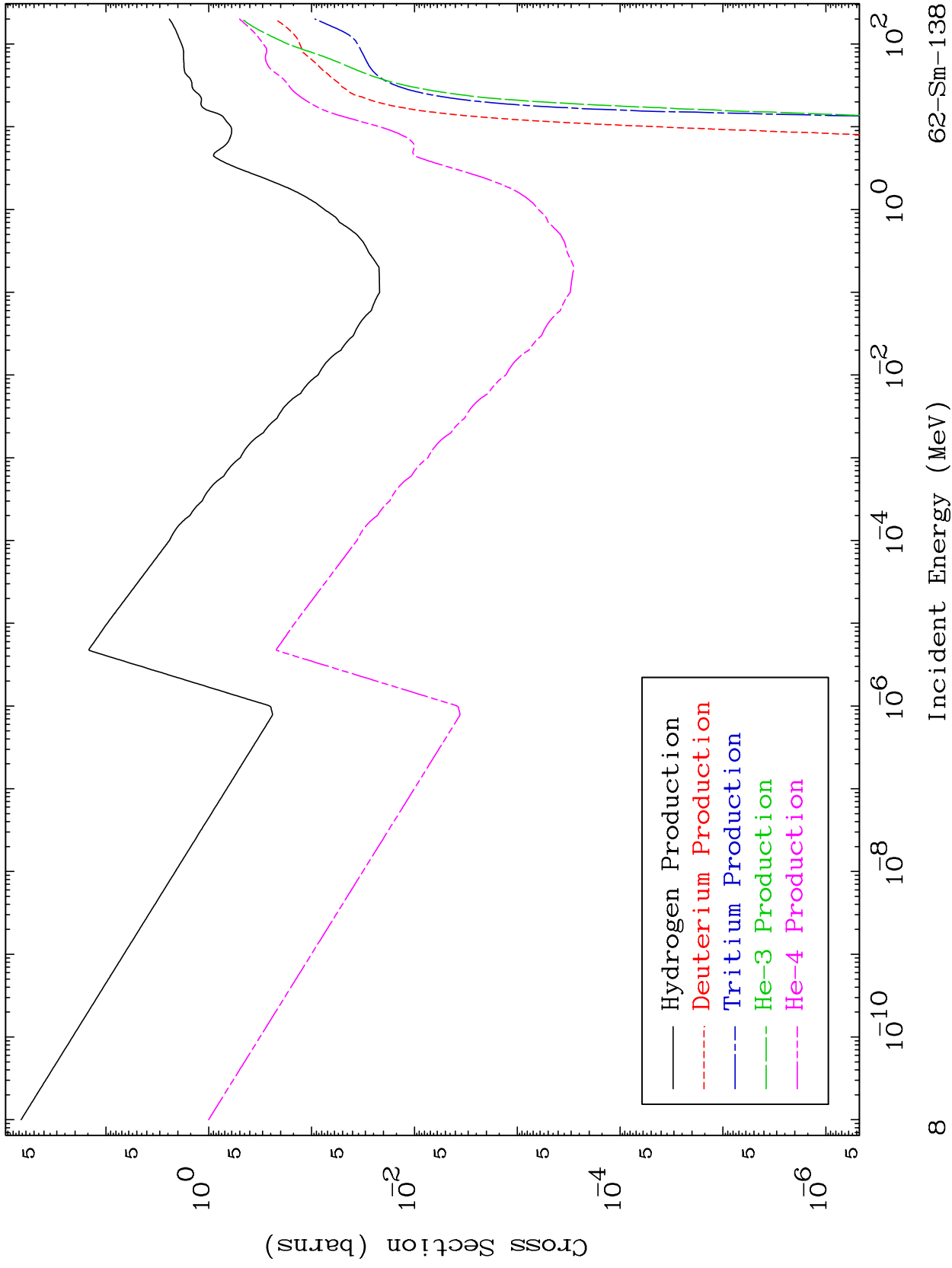
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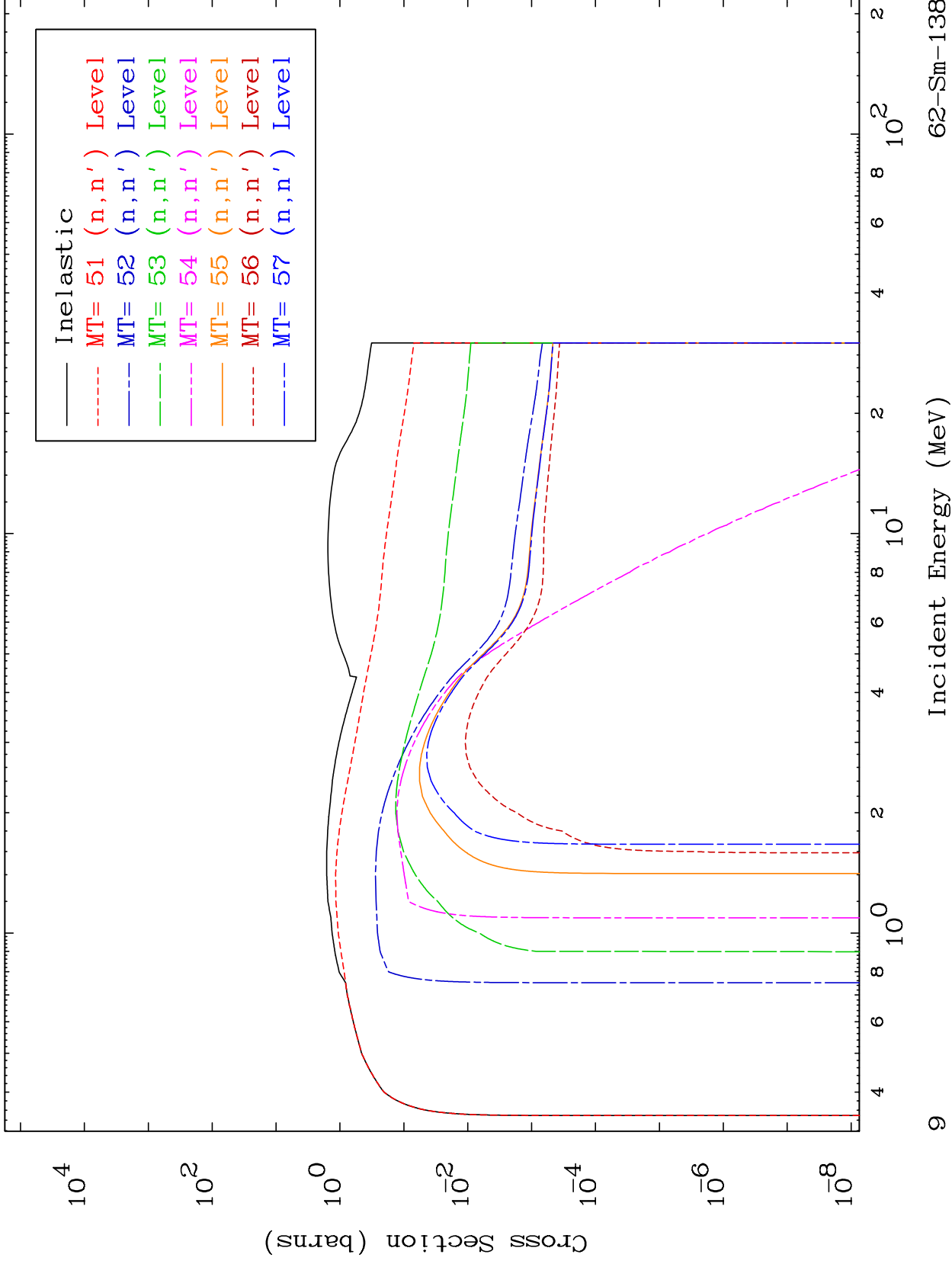


MAT 6207

Particle Production
293 Kelvin Cross Sections

62-Sm-138



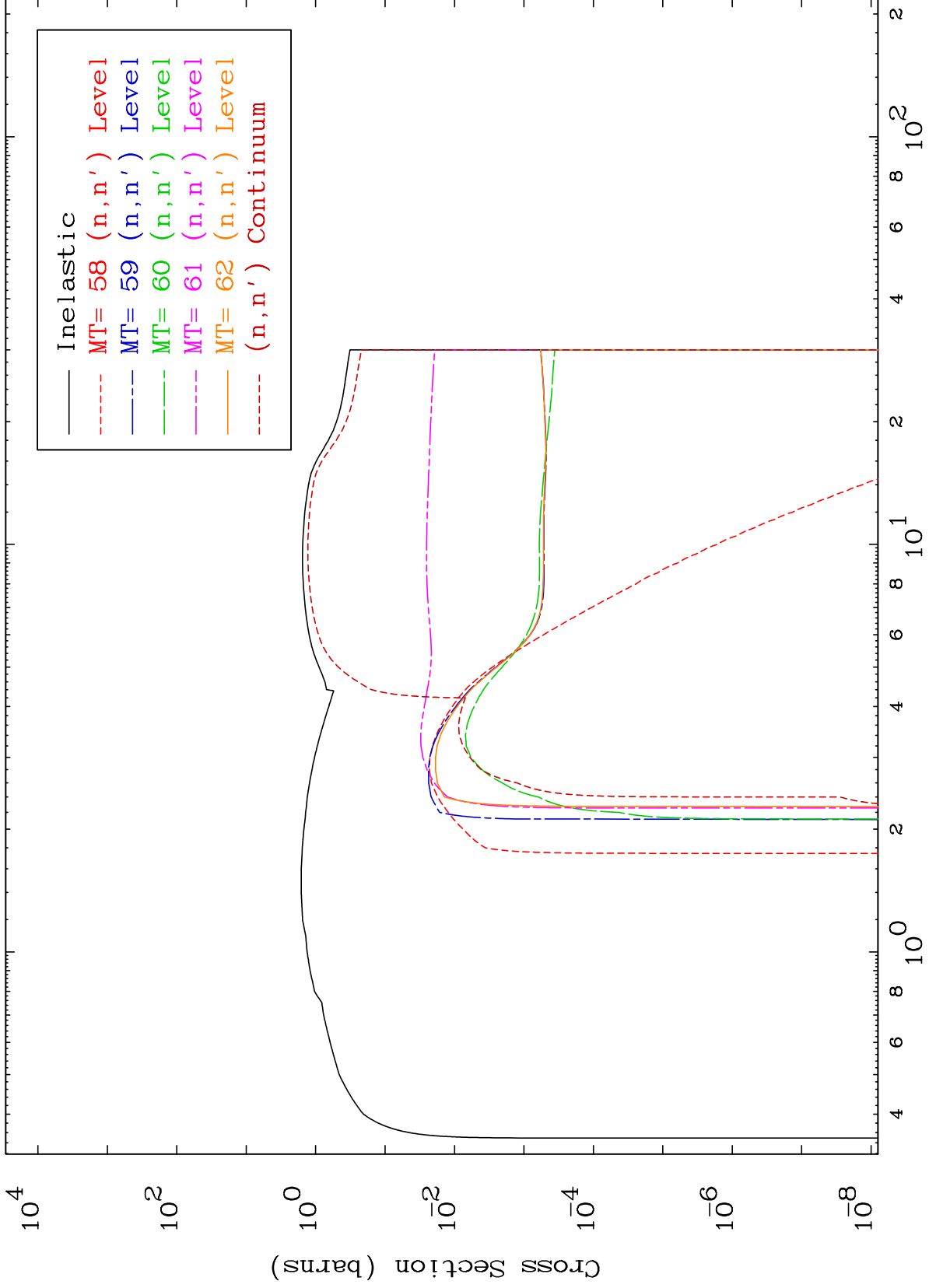


MAT 6207

(n,n') Levels

62-Sm-138

293 Kelvin Cross Sections



10

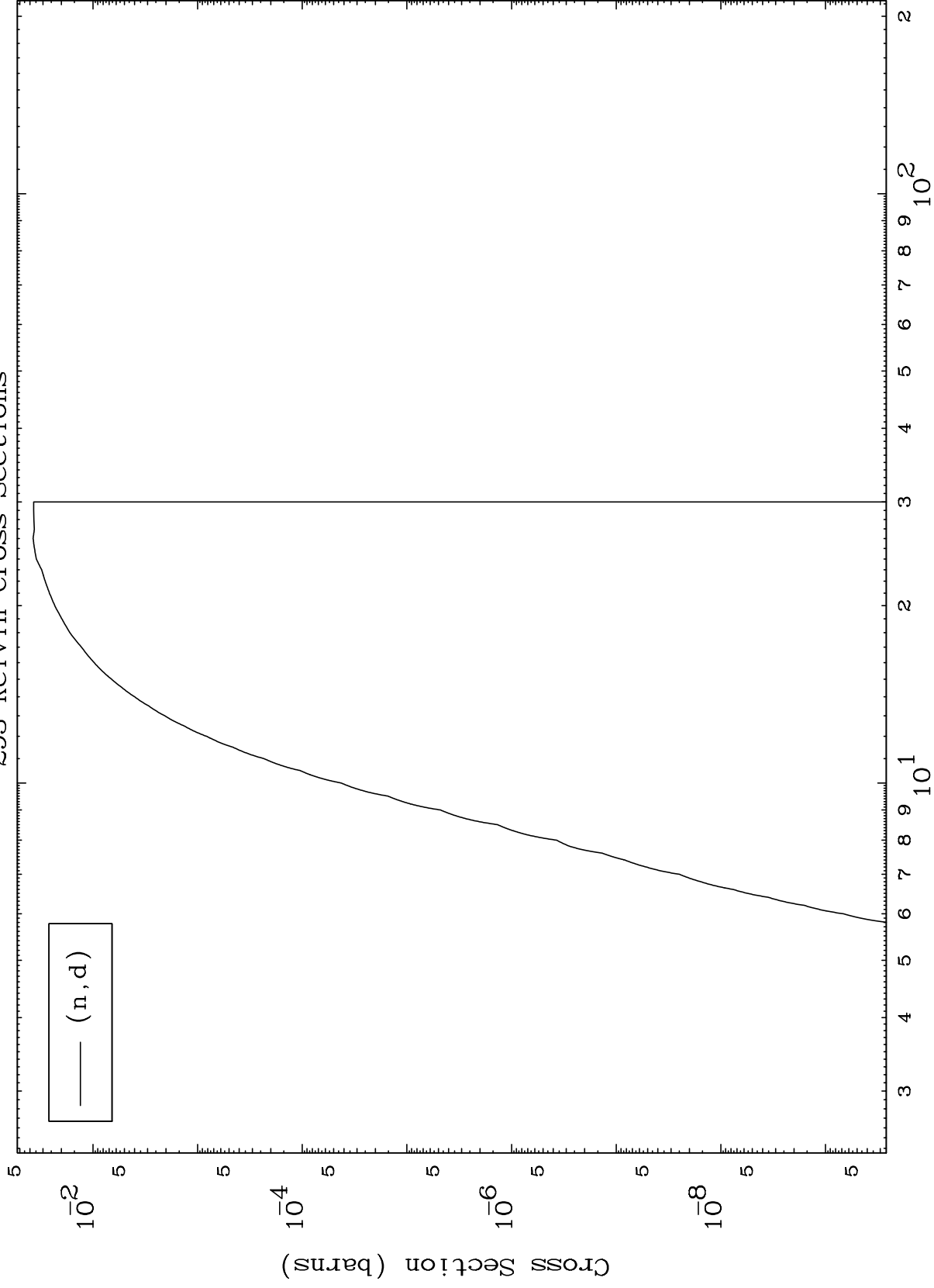
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-138



12

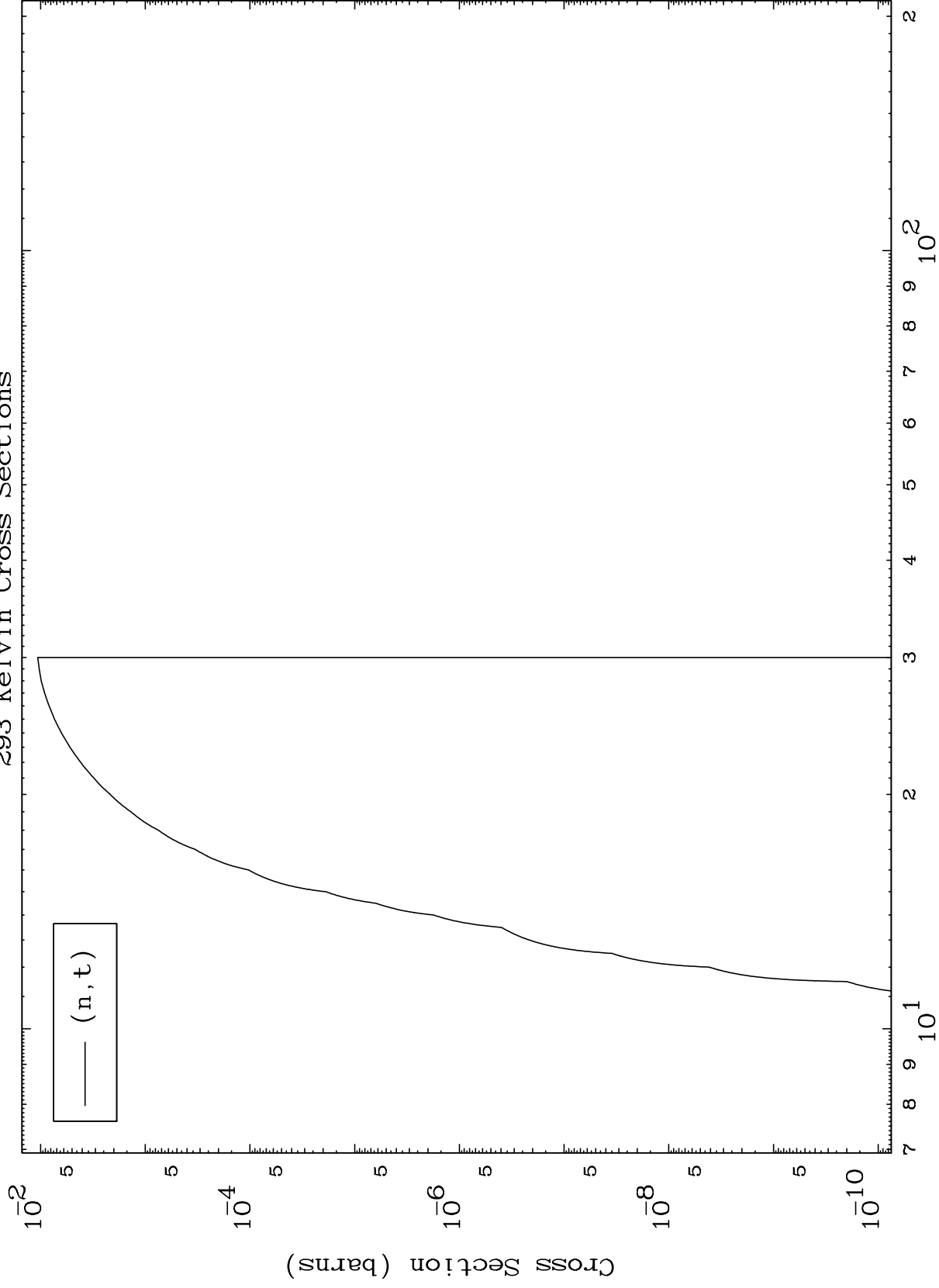
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-138



13

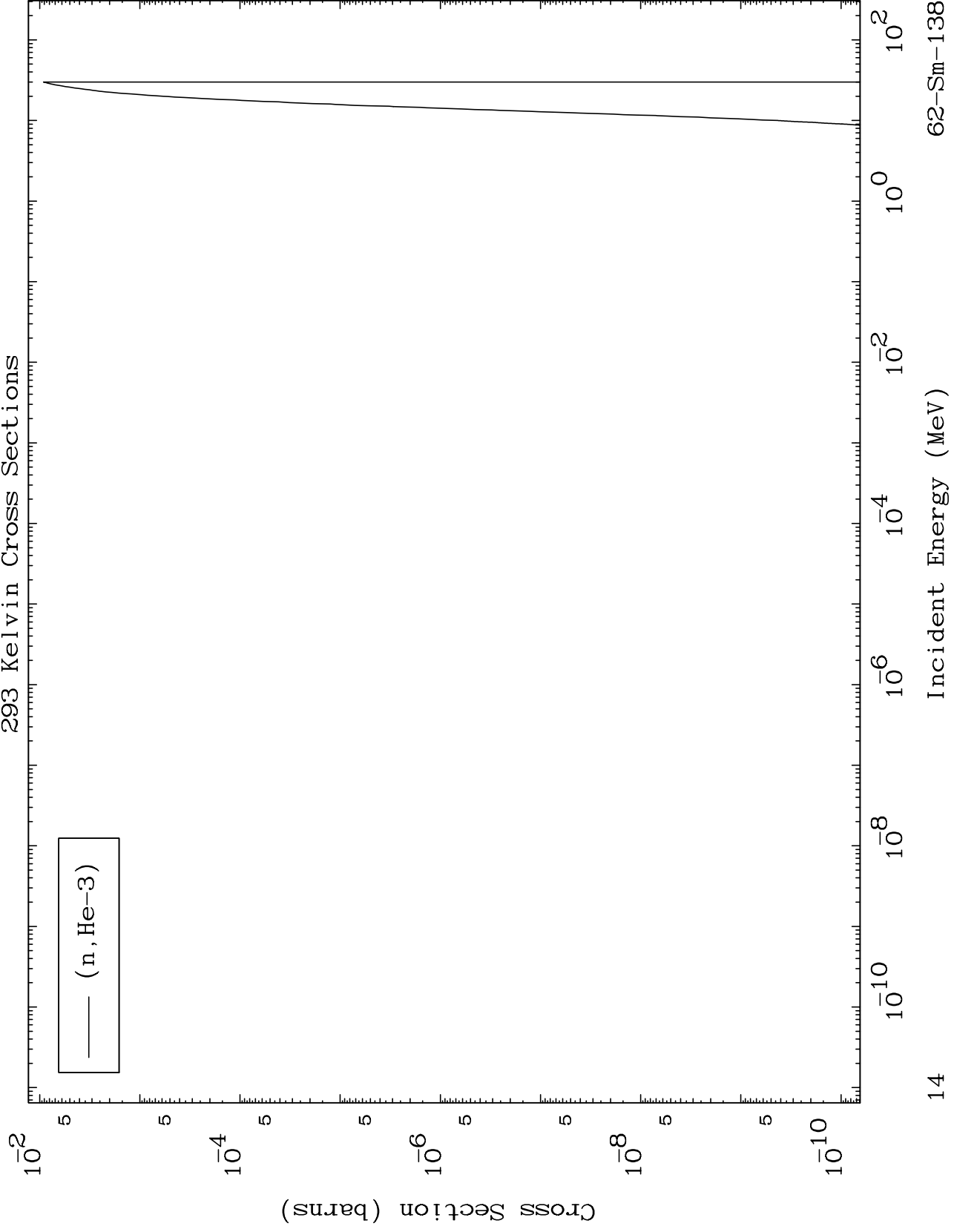
Incident Energy (MeV)

62-Sm-138

MAT 6207

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-138

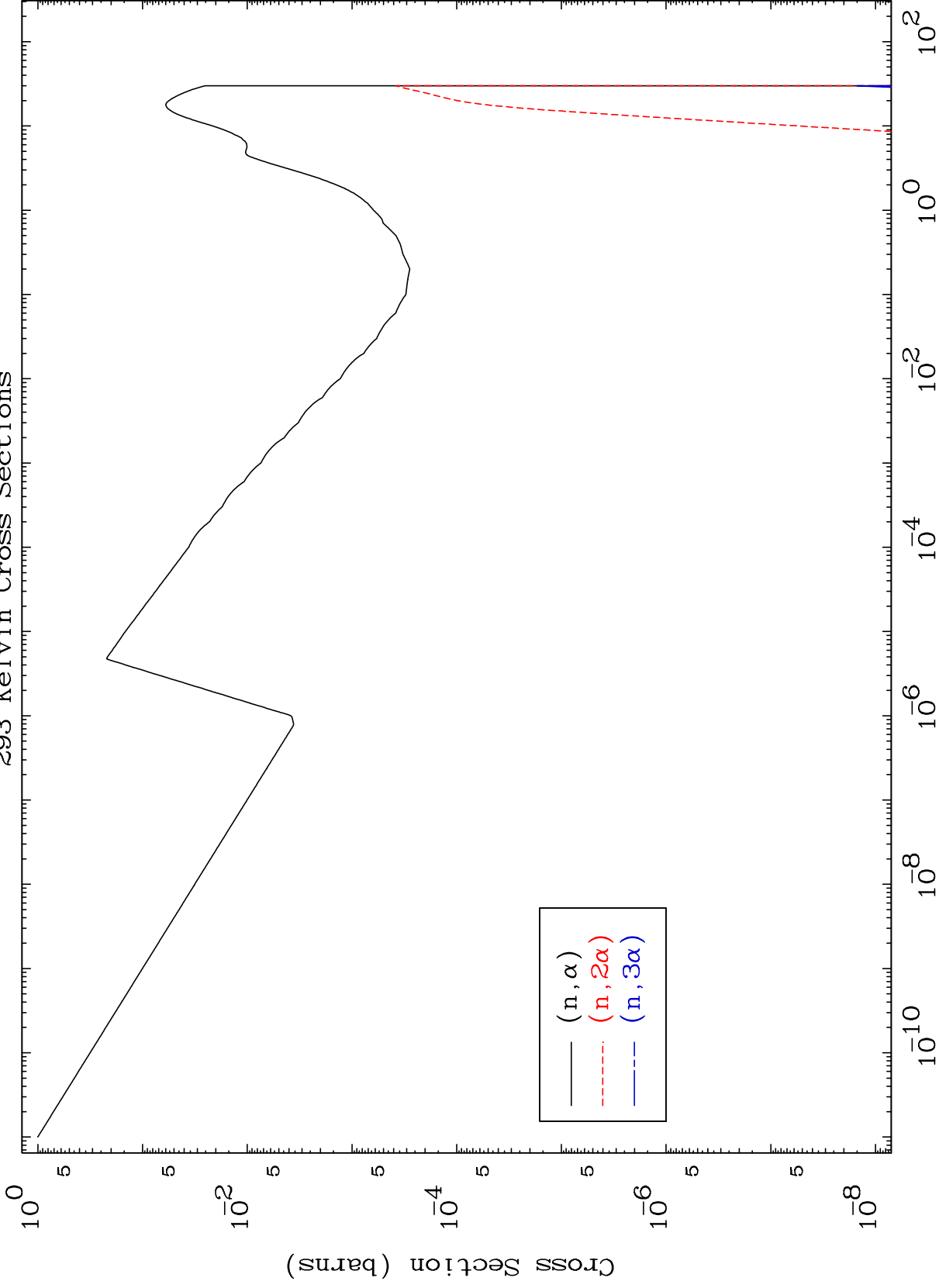


(n, He-3)

MAT 6207

(n, α) Levels
293 Kelvin Cross Sections

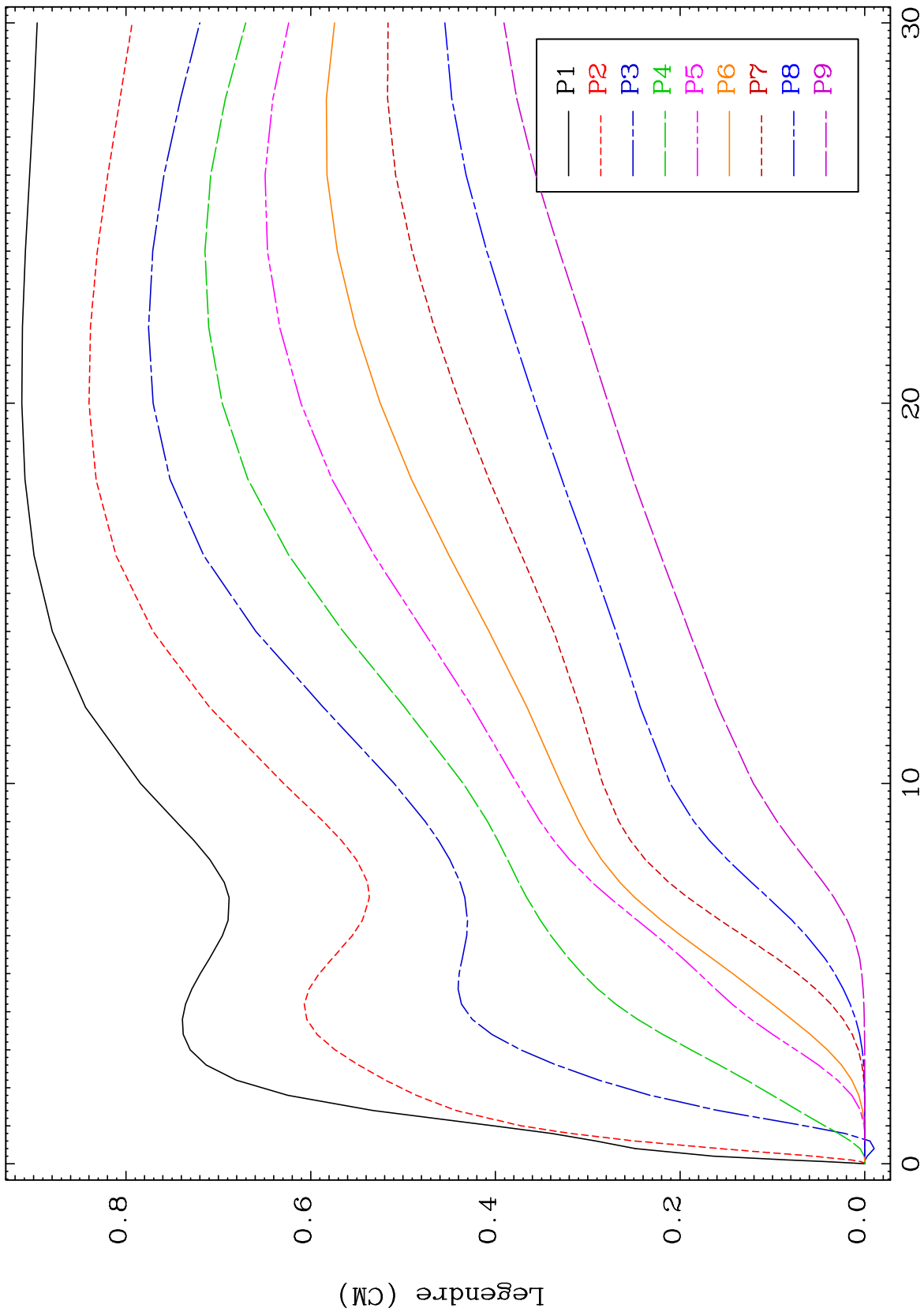
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MAT 6207

Elastic Legendre Coefficients

$^{62}\text{Sm-138}$



16

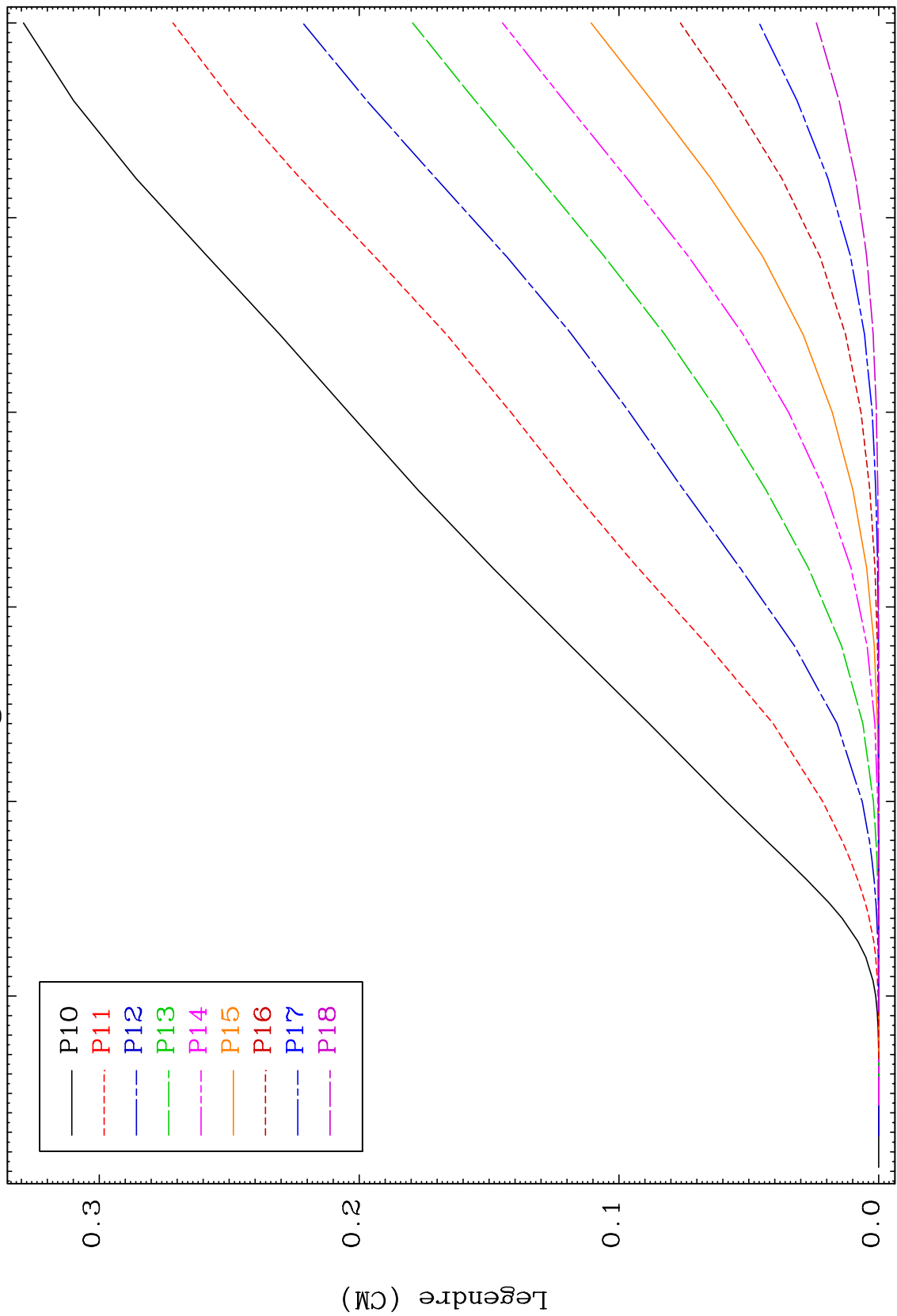
Incident Energy (MeV)

$^{62}\text{Sm-138}$

MAT 6207

Elastic Legendre Coefficients

62-Sm-138



17

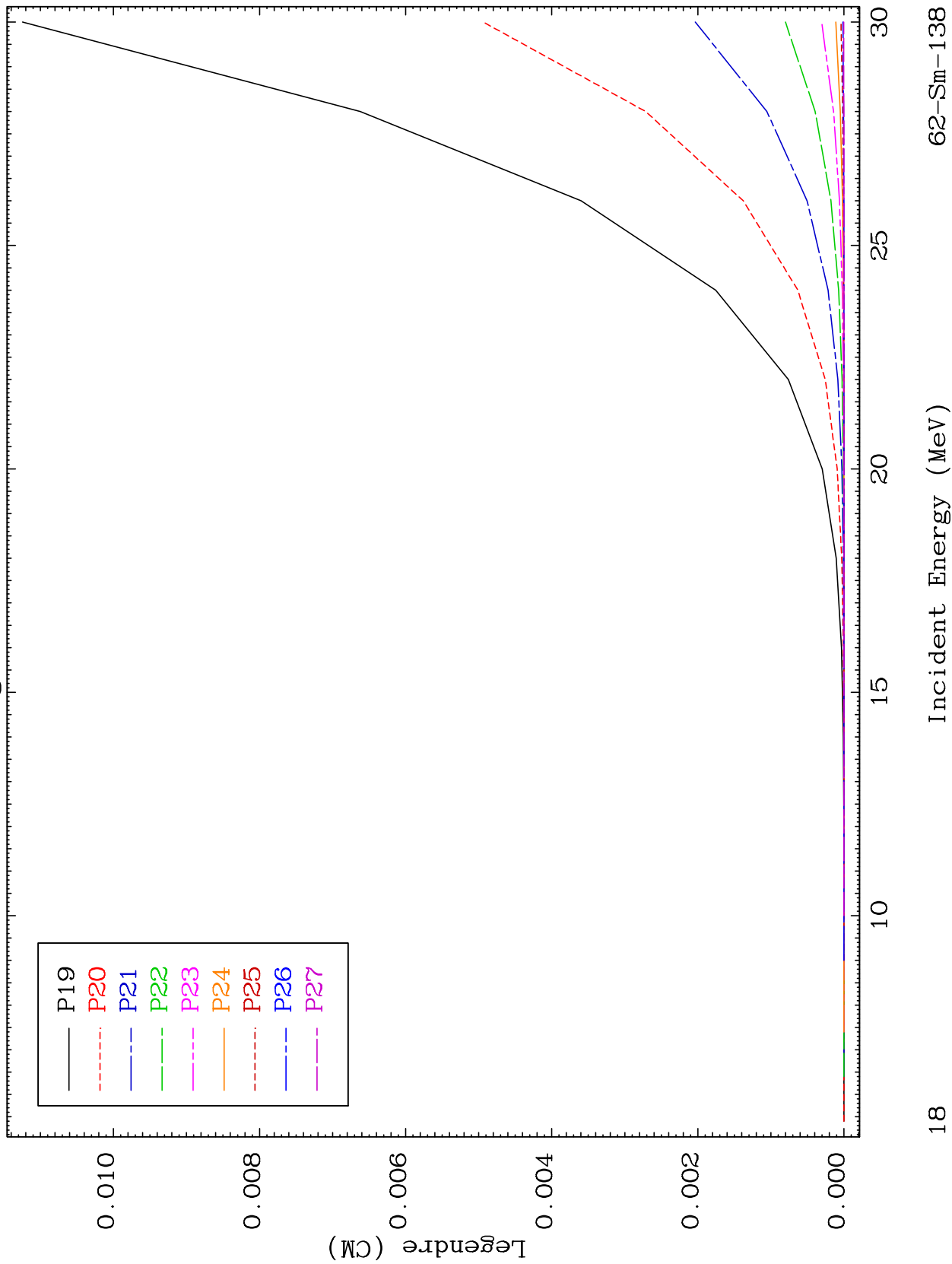
Incident Energy (MeV)

62-Sm-138

MAT 6207

Elastic Legendre Coefficients

62-Sm-138



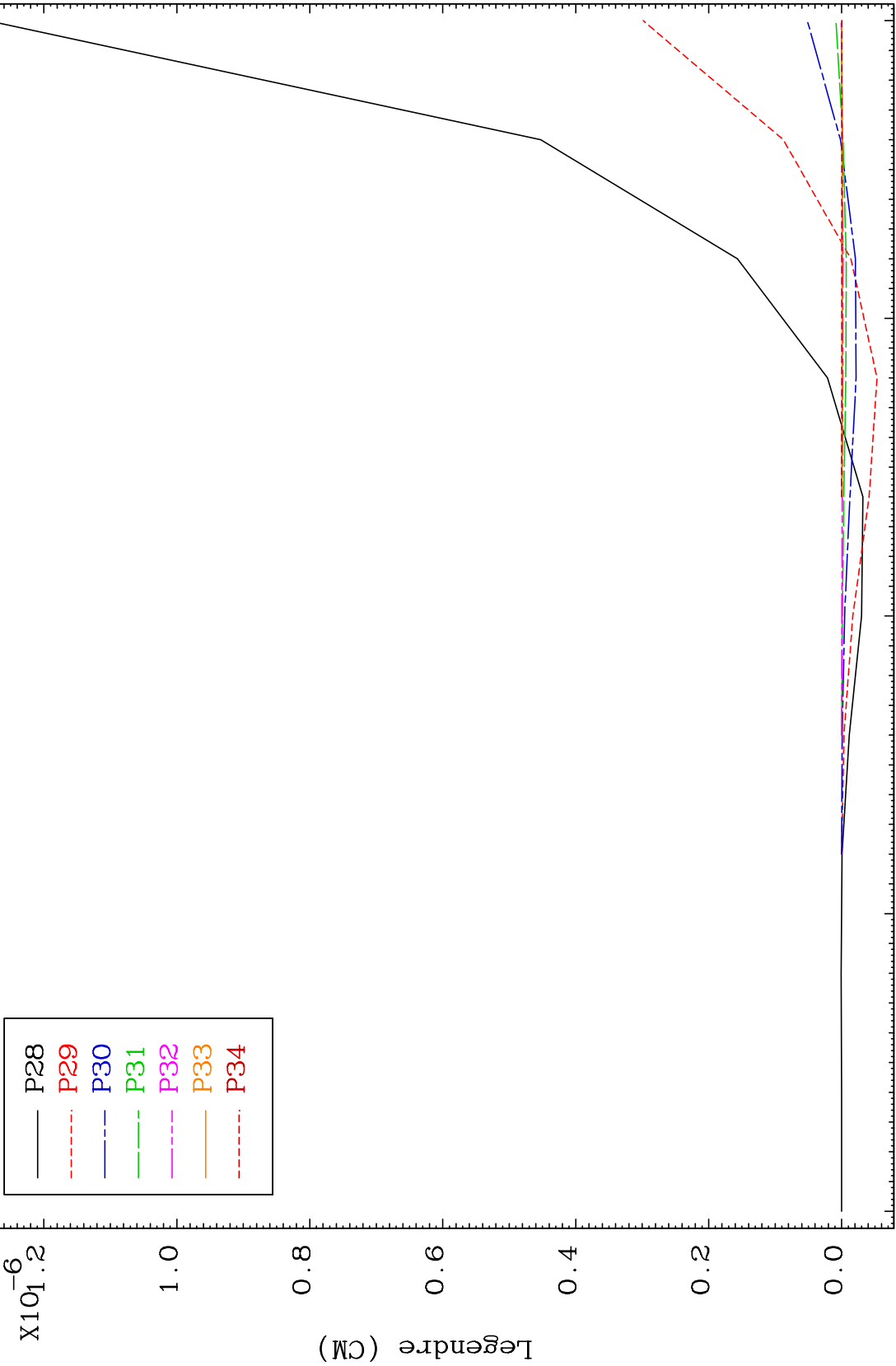
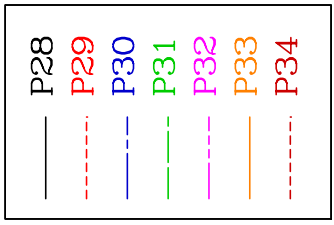
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62-Sm-138

MAT 6207

Elastic Legendre Coefficients

62-Sm-138



19

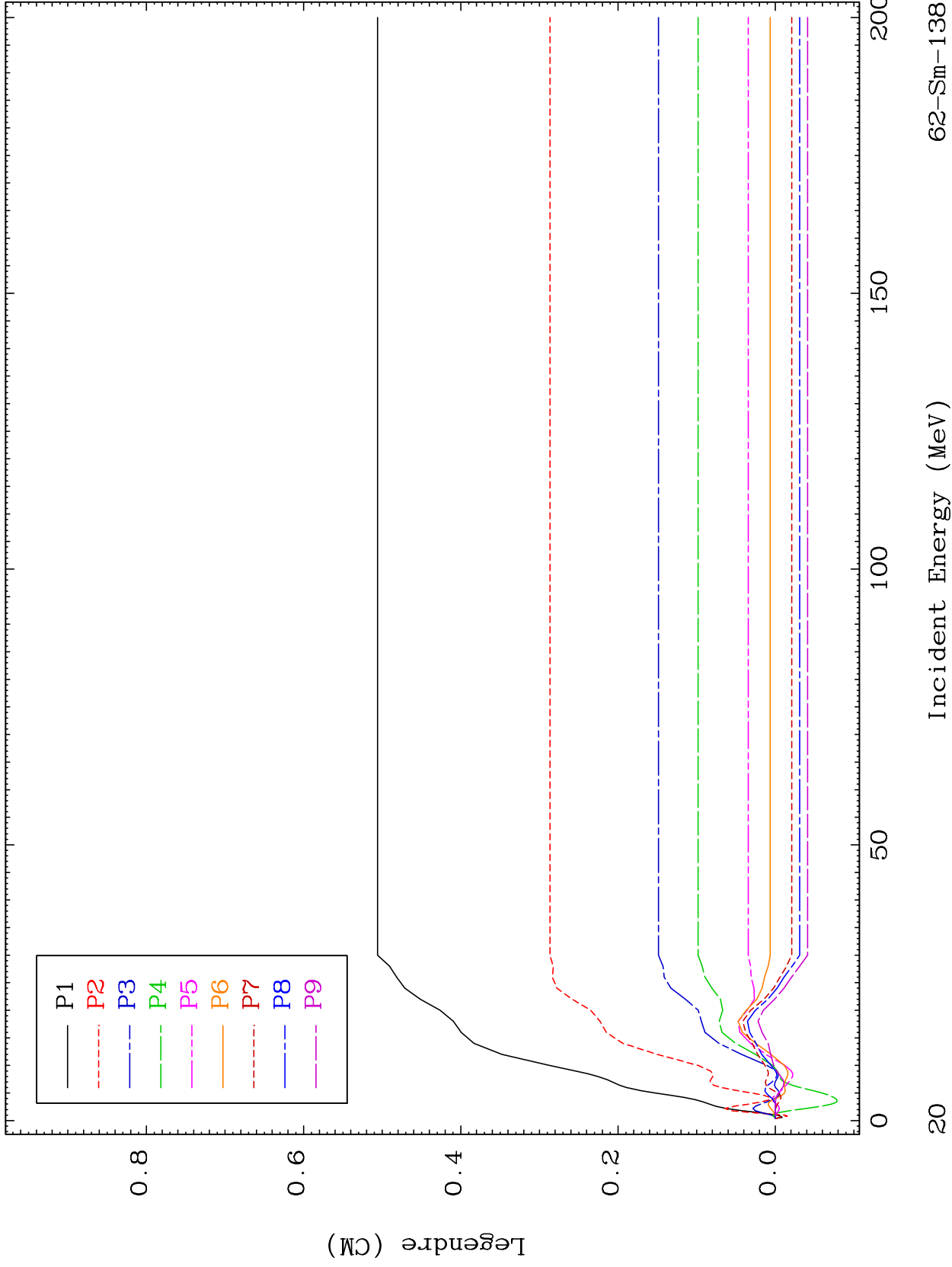
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

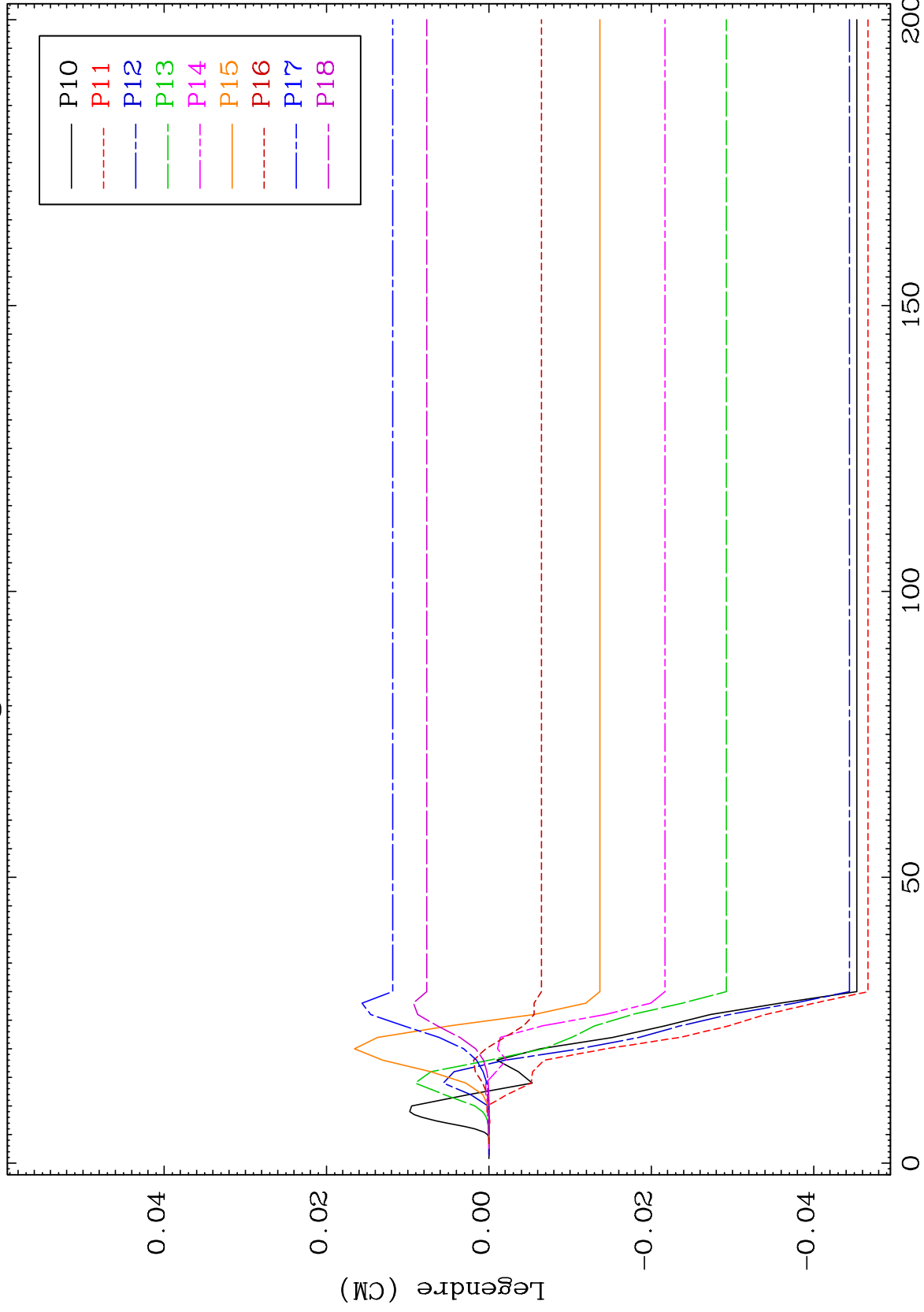
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MAT 6207

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

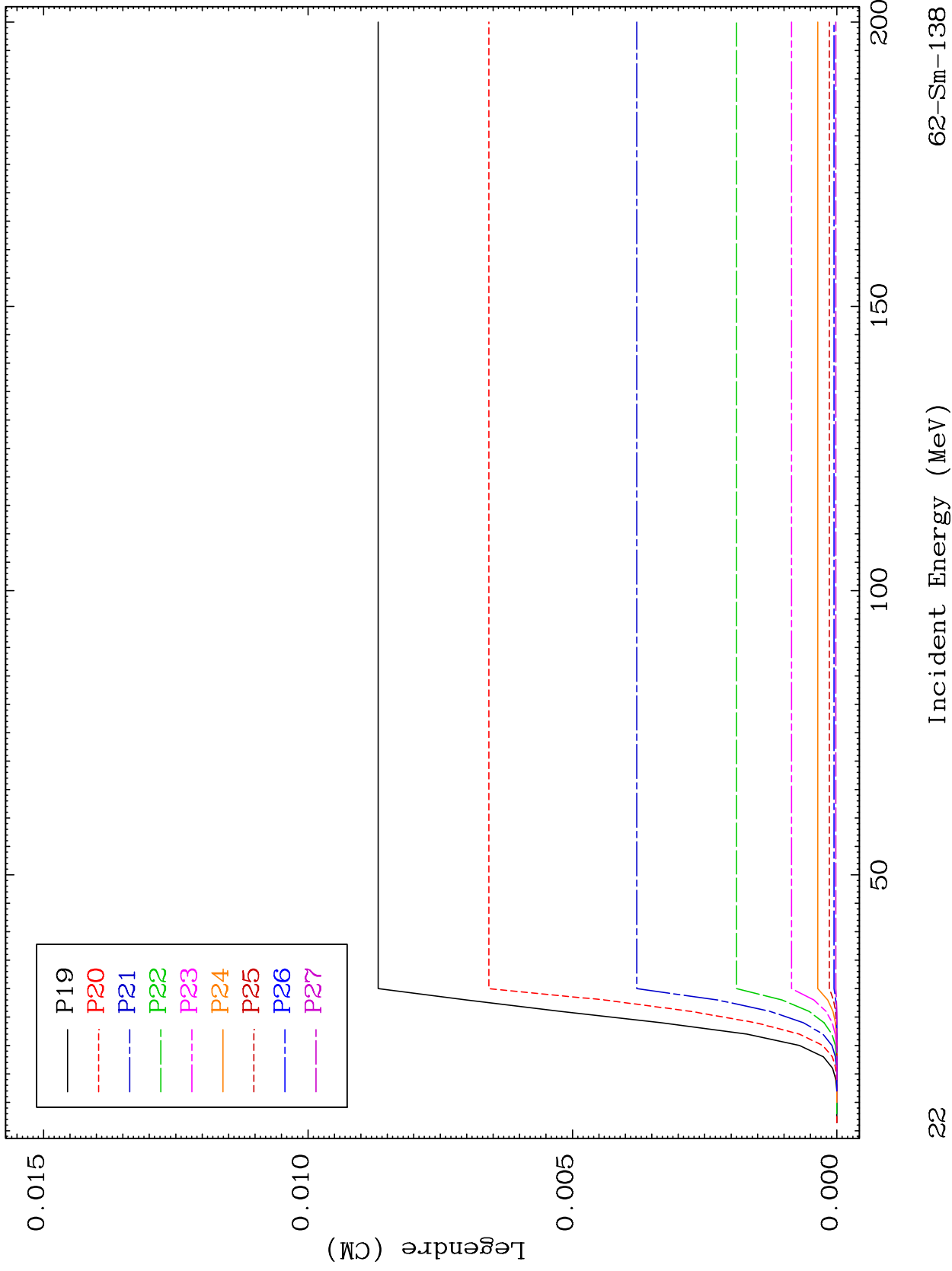
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21

Incident Energy (MeV)

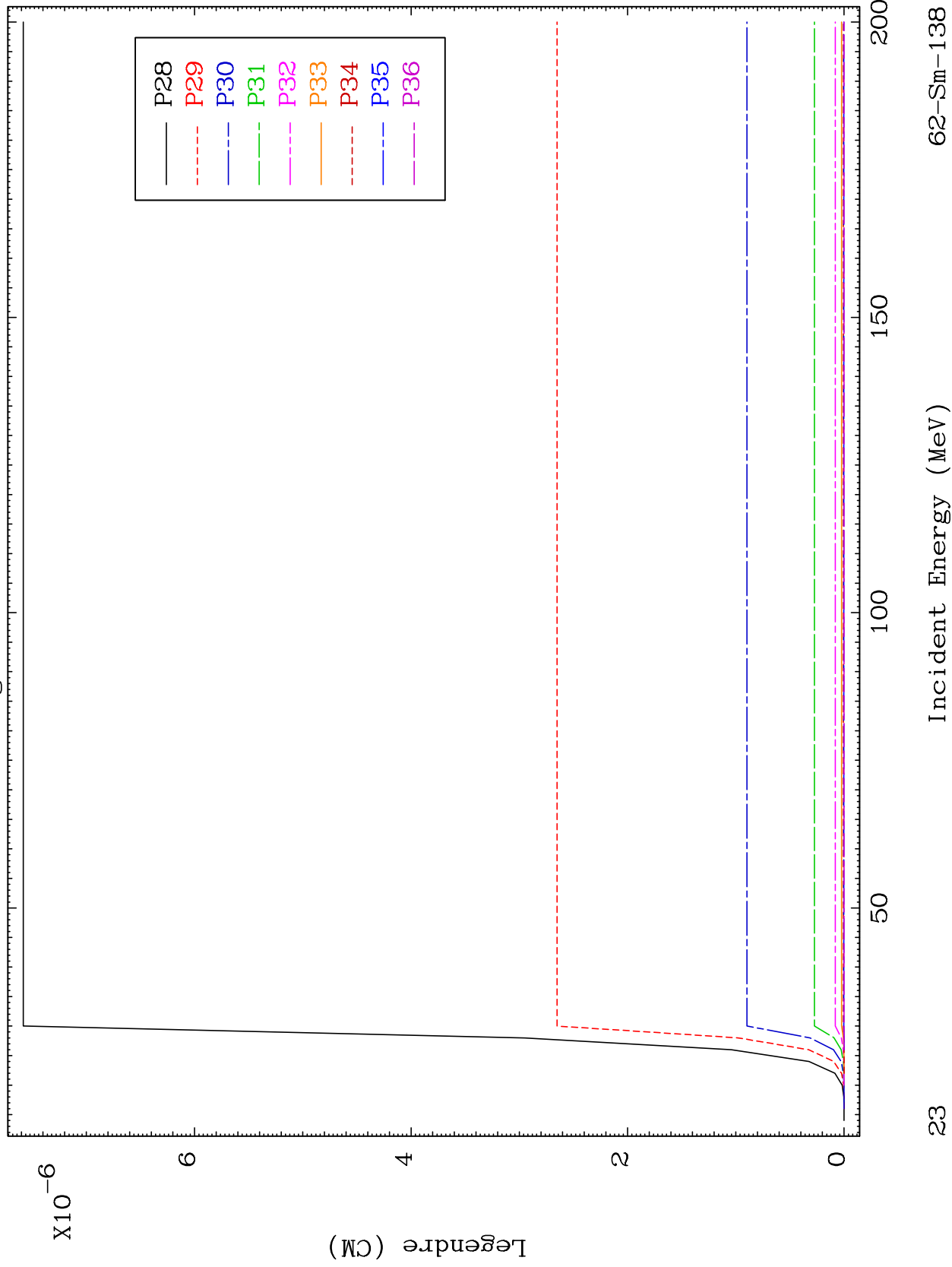
62-Sm-138



MAT 6207

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

62-Sm-138



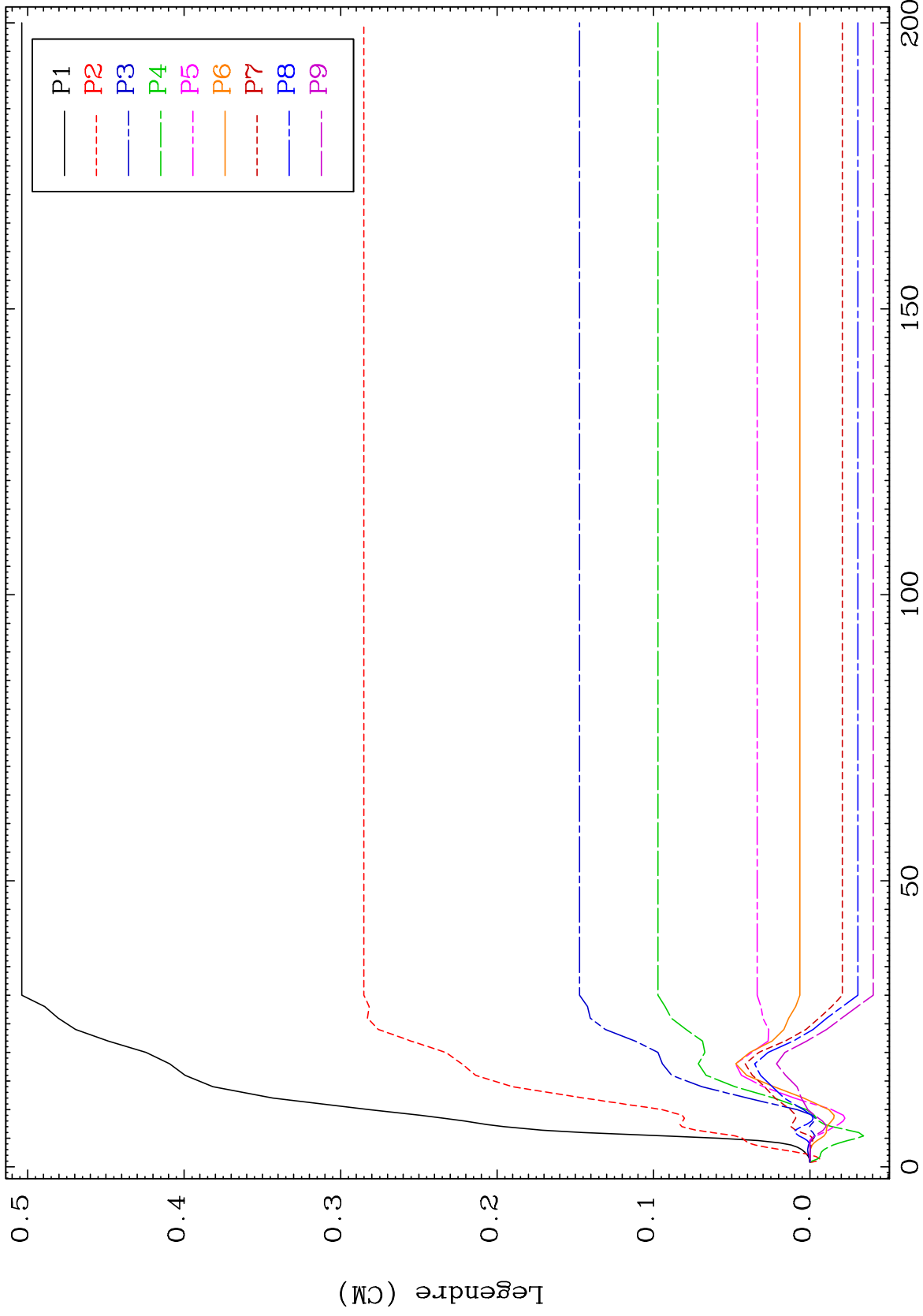
23

62-Sm-138

MAT 6207

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

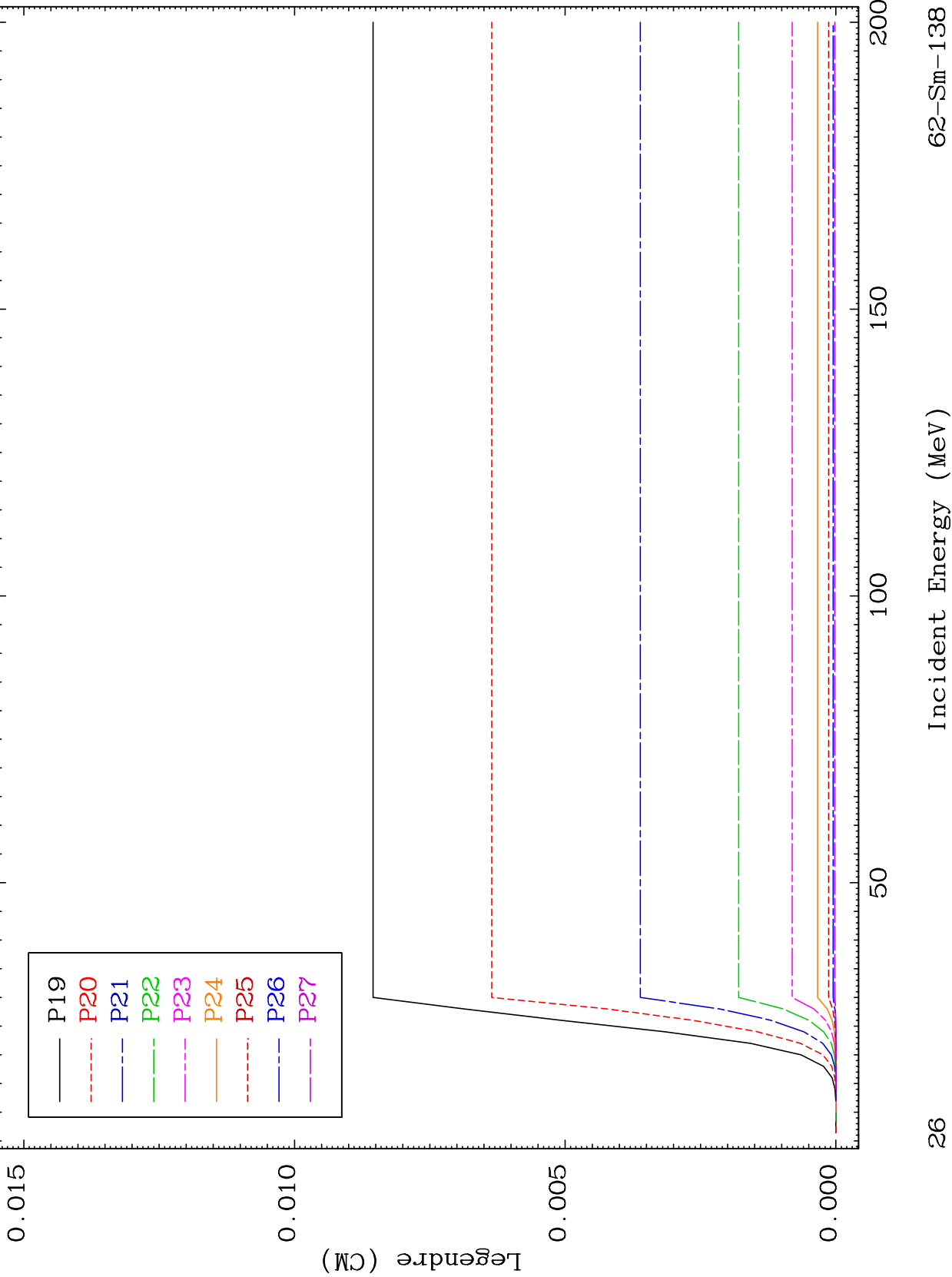
62-Sm-138



62-Sm-138

Incident Energy (MeV)

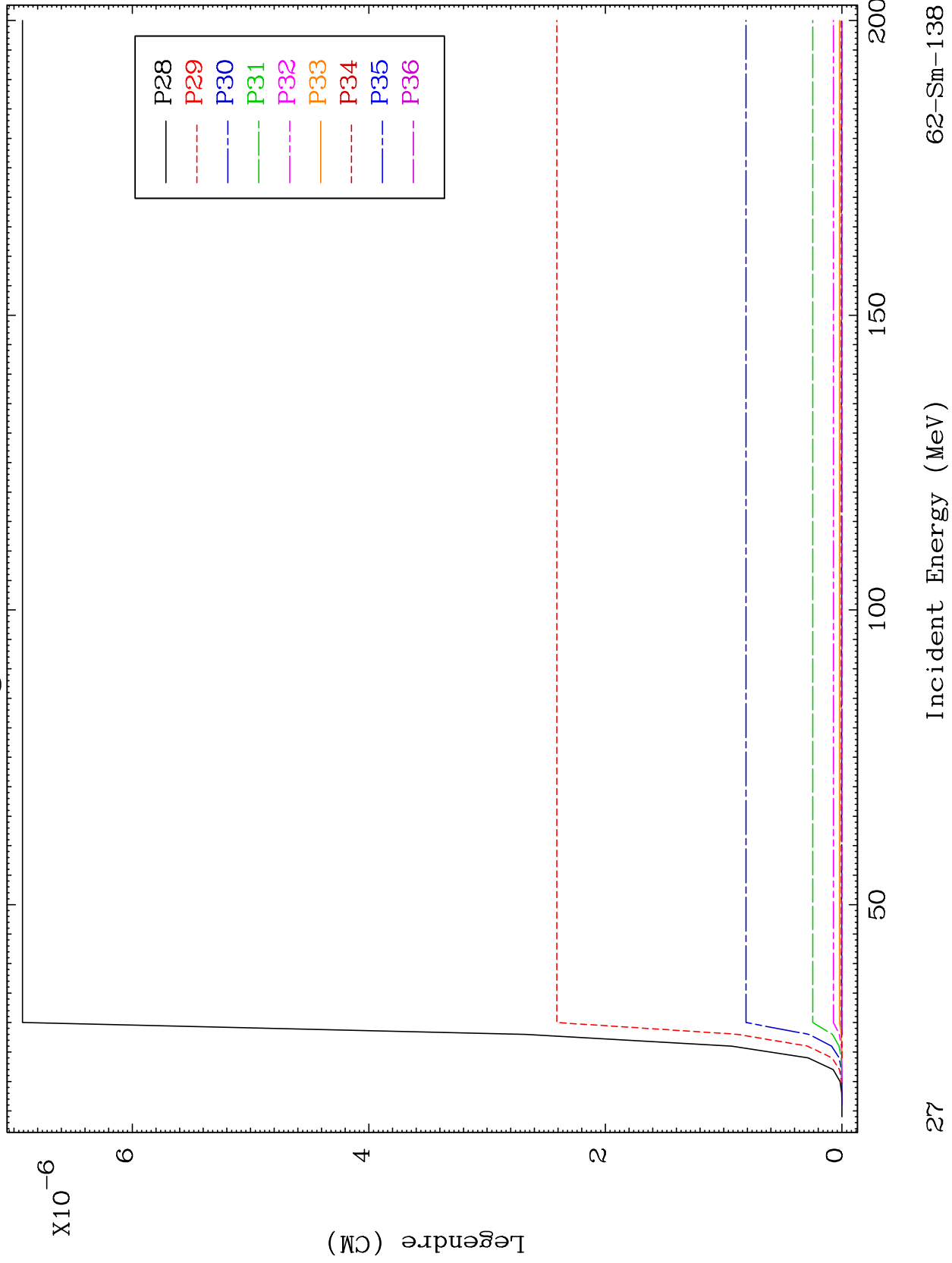
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MAT 6207

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

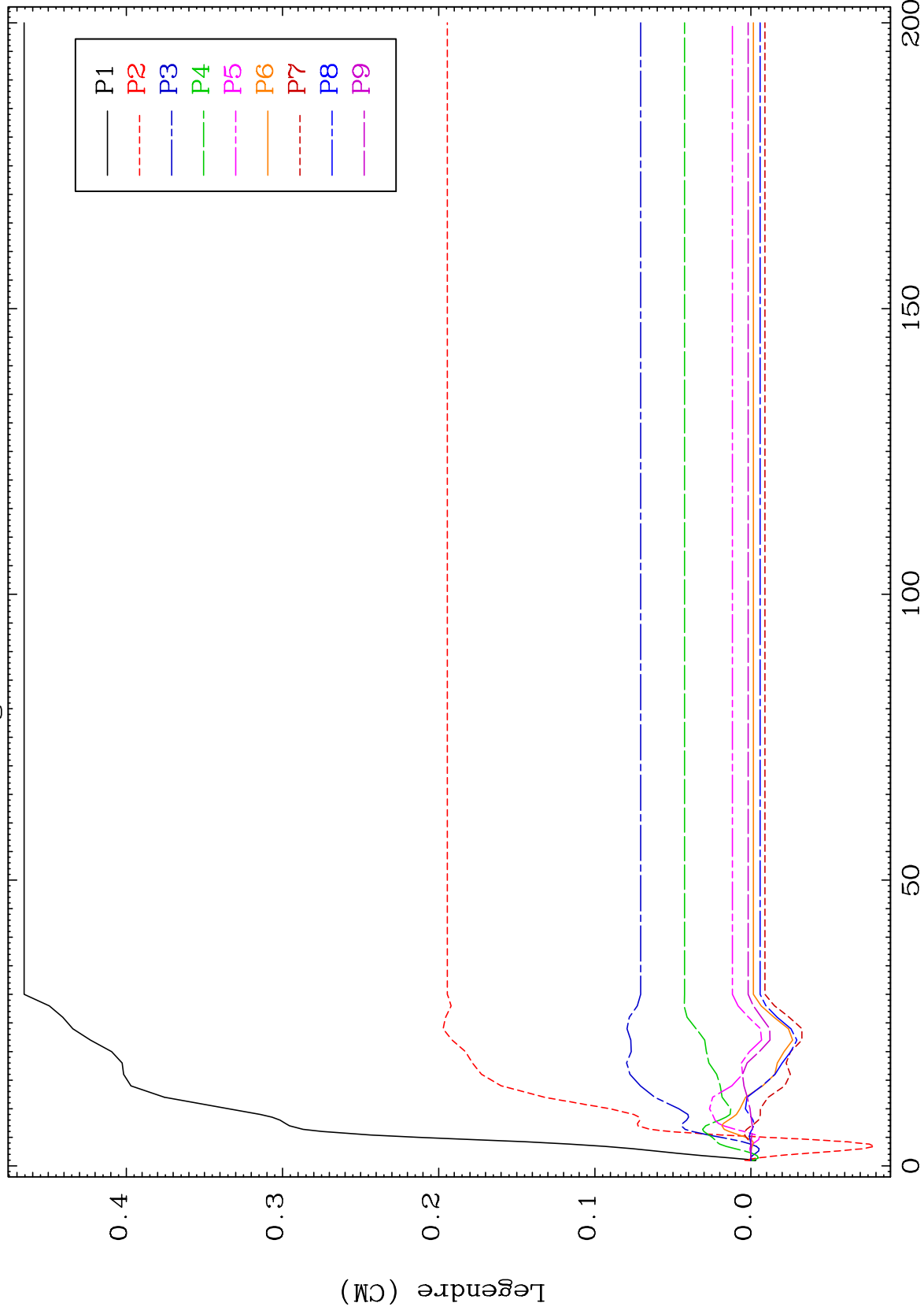
62-Sm-138



MAT 6207

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

62-Sm-138



28

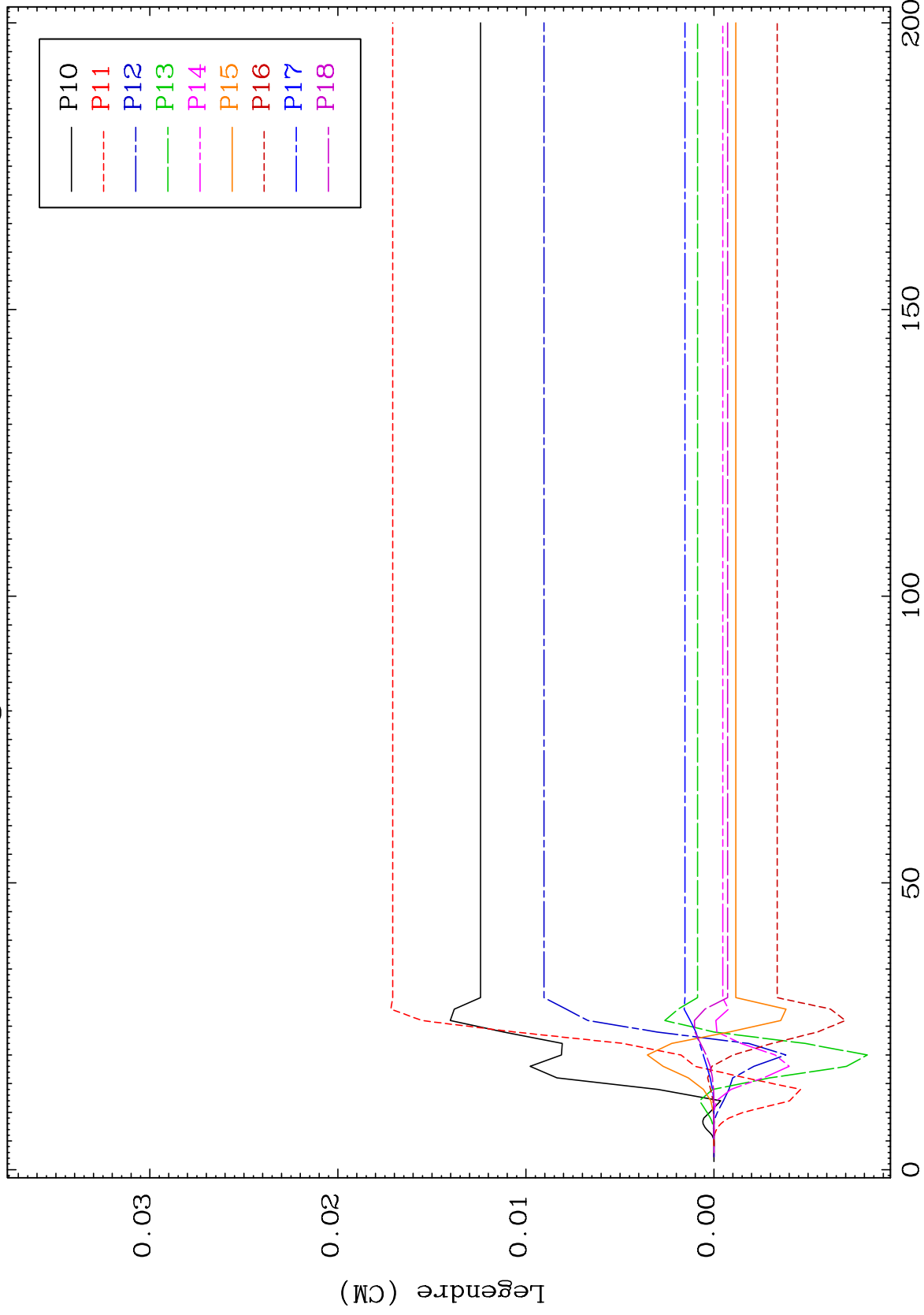
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



29

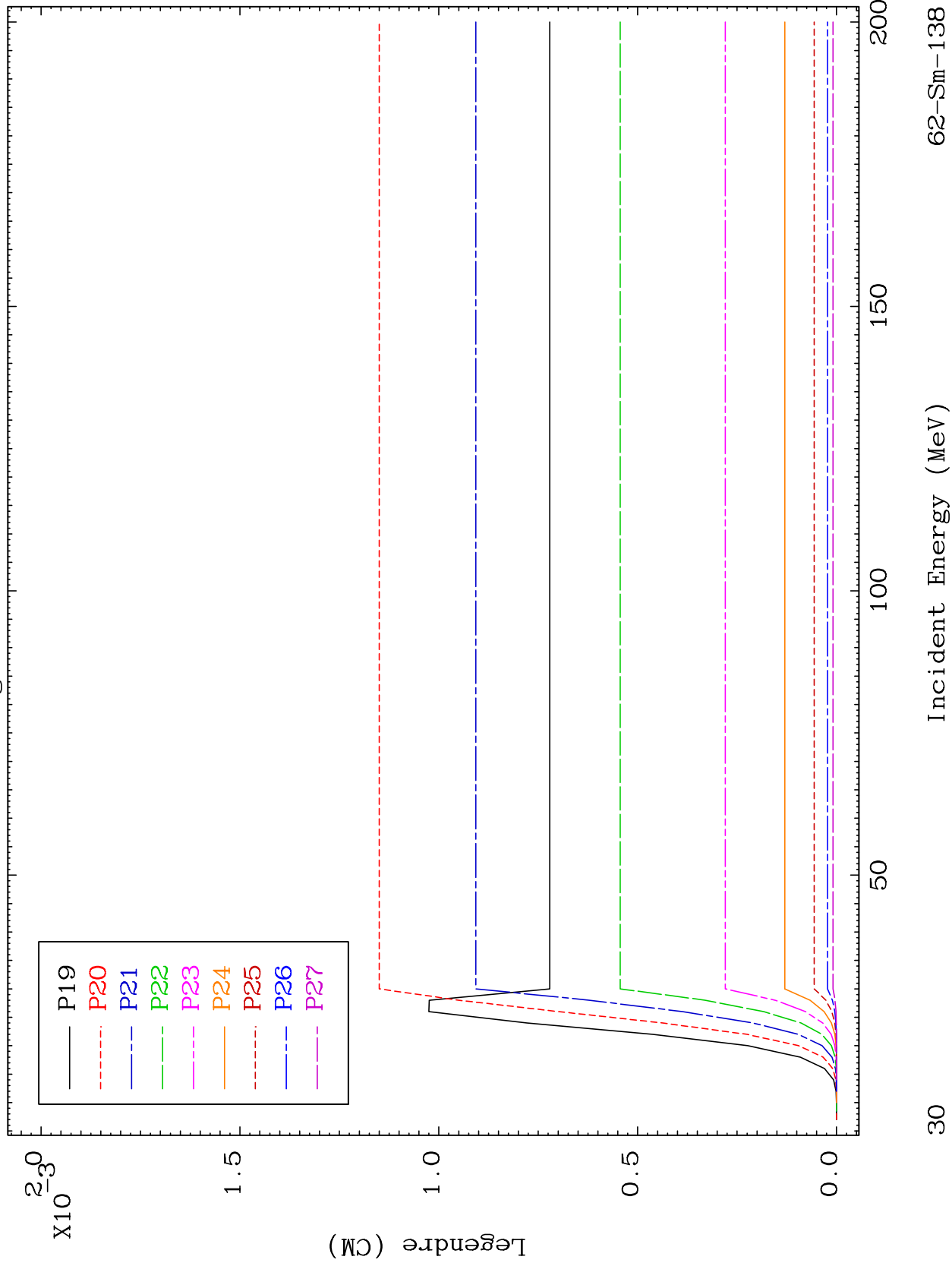
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



30

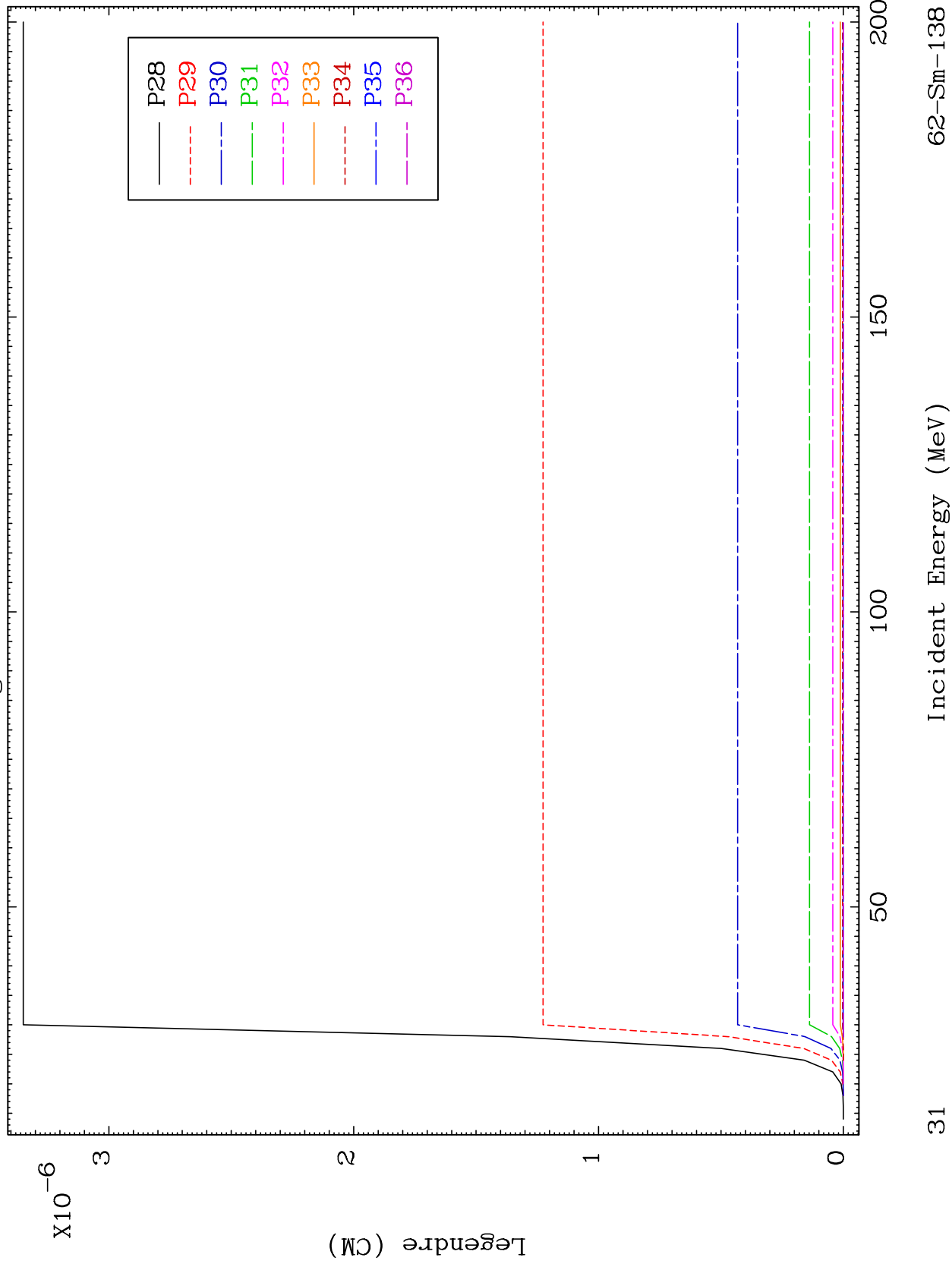
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

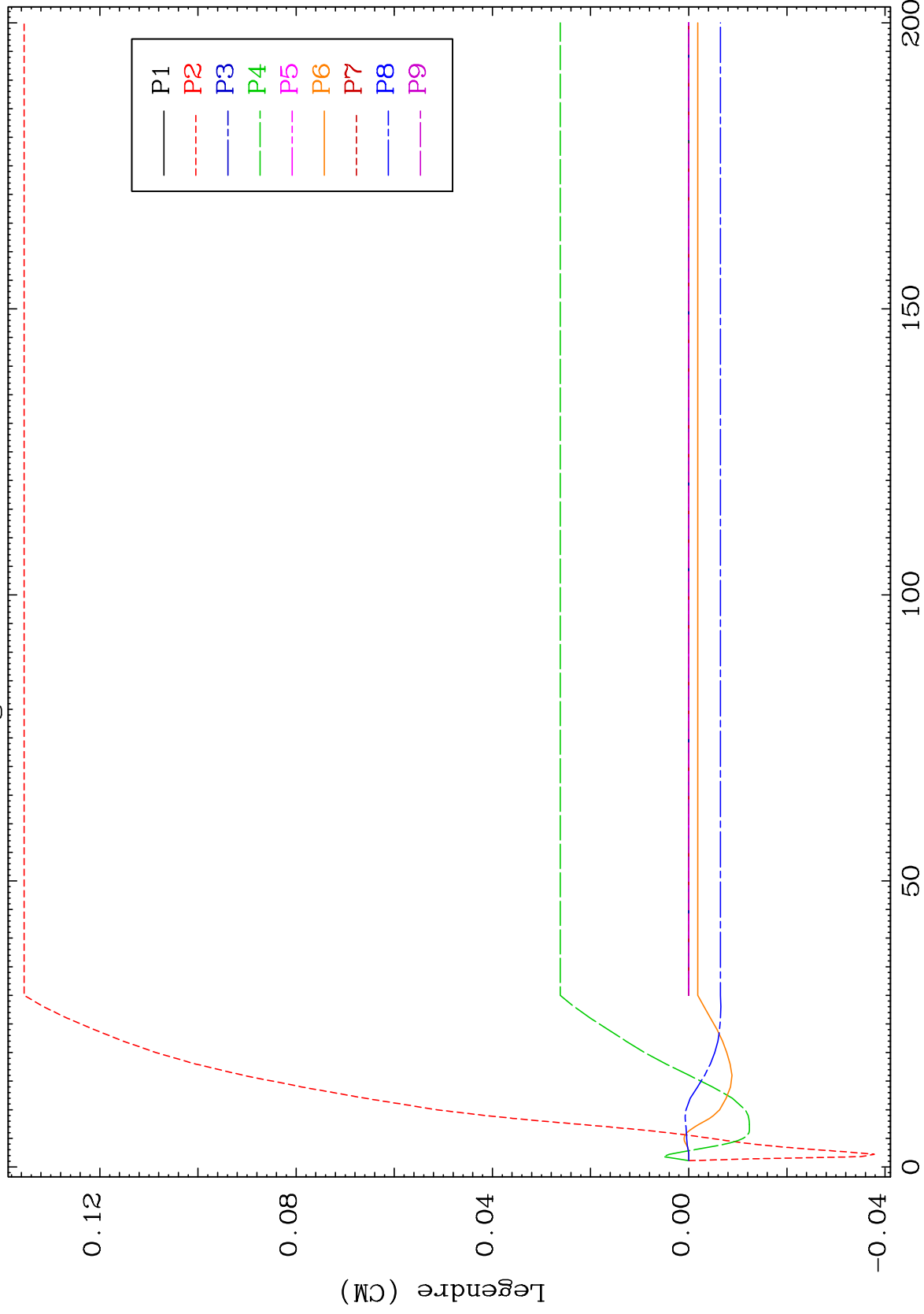
62-Sm-138



MAT 6207

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

62-Sm-138



62-Sm-138

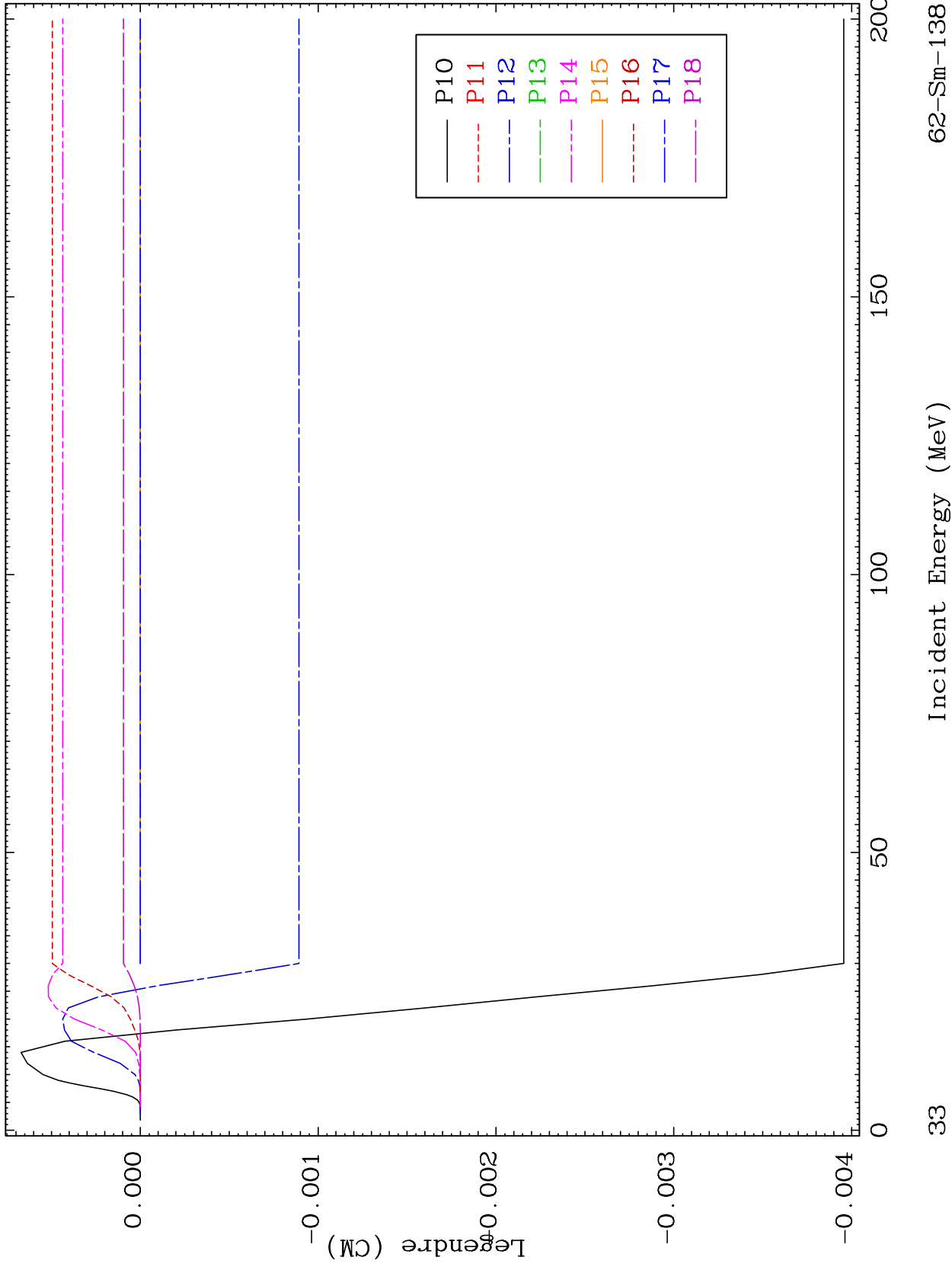
Incident Energy (MeV)

32

MAT 6207

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

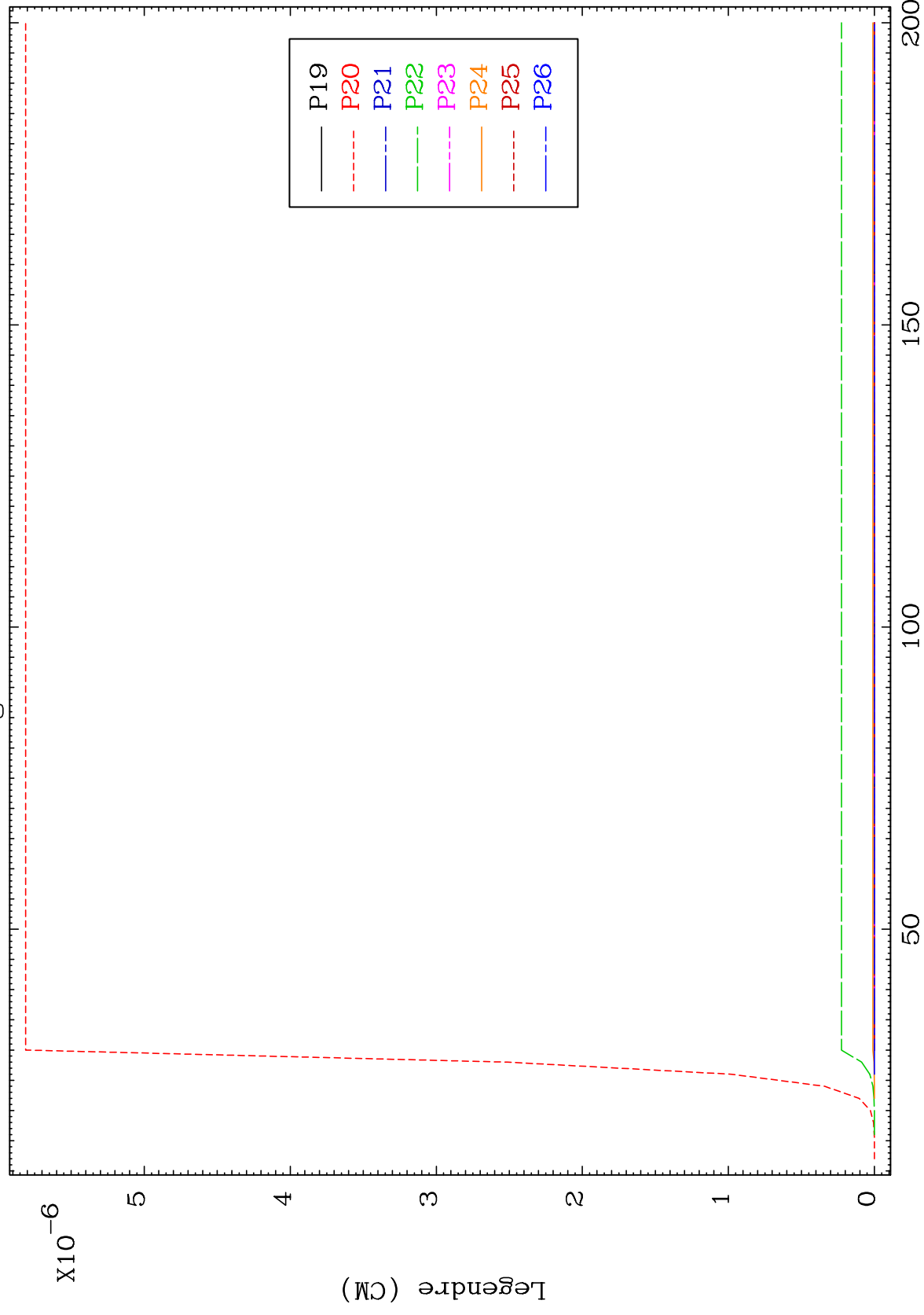
62-Sm-138



MAT 6207

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

62-Sm-138



34

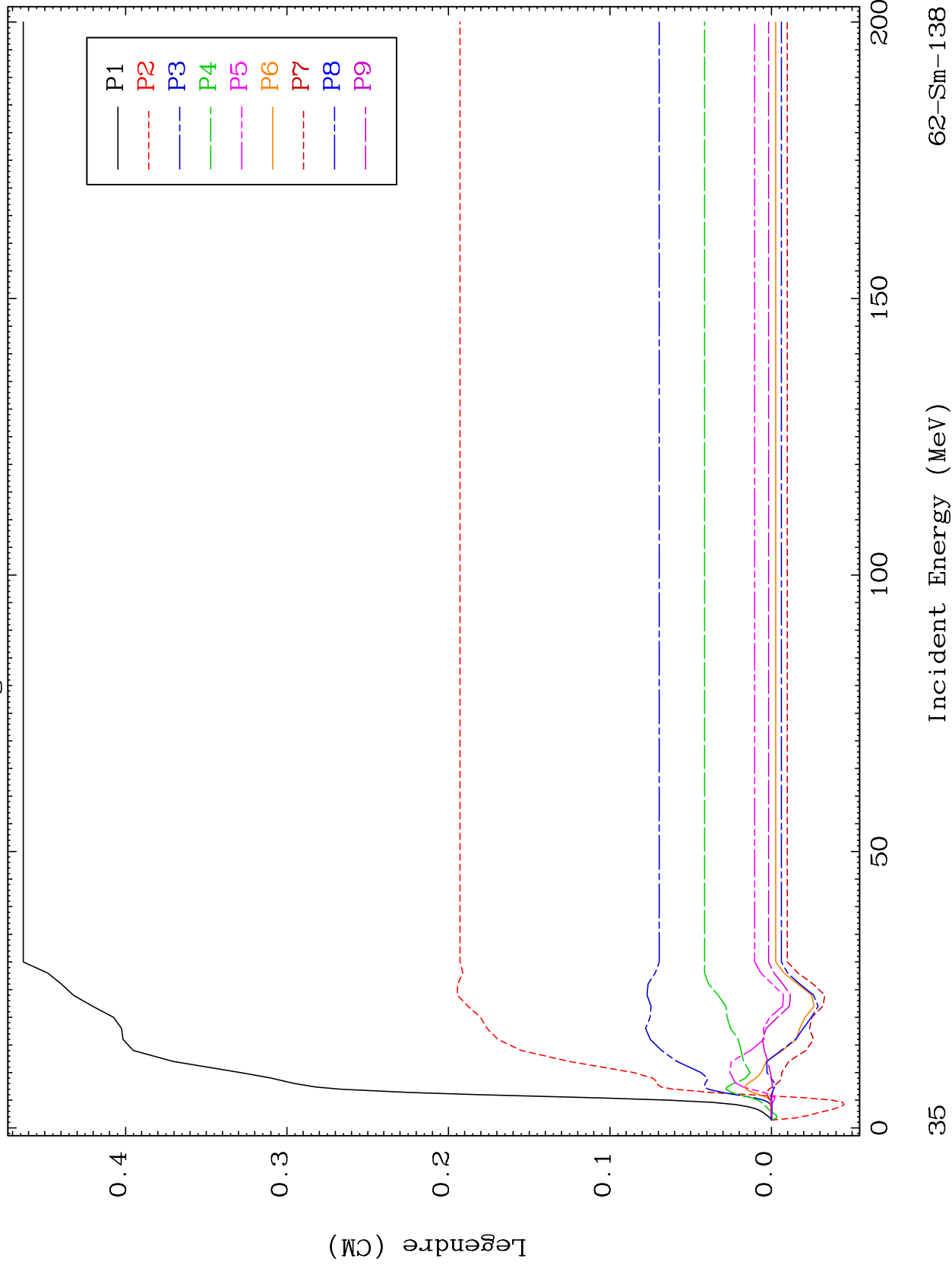
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



62-Sm-138

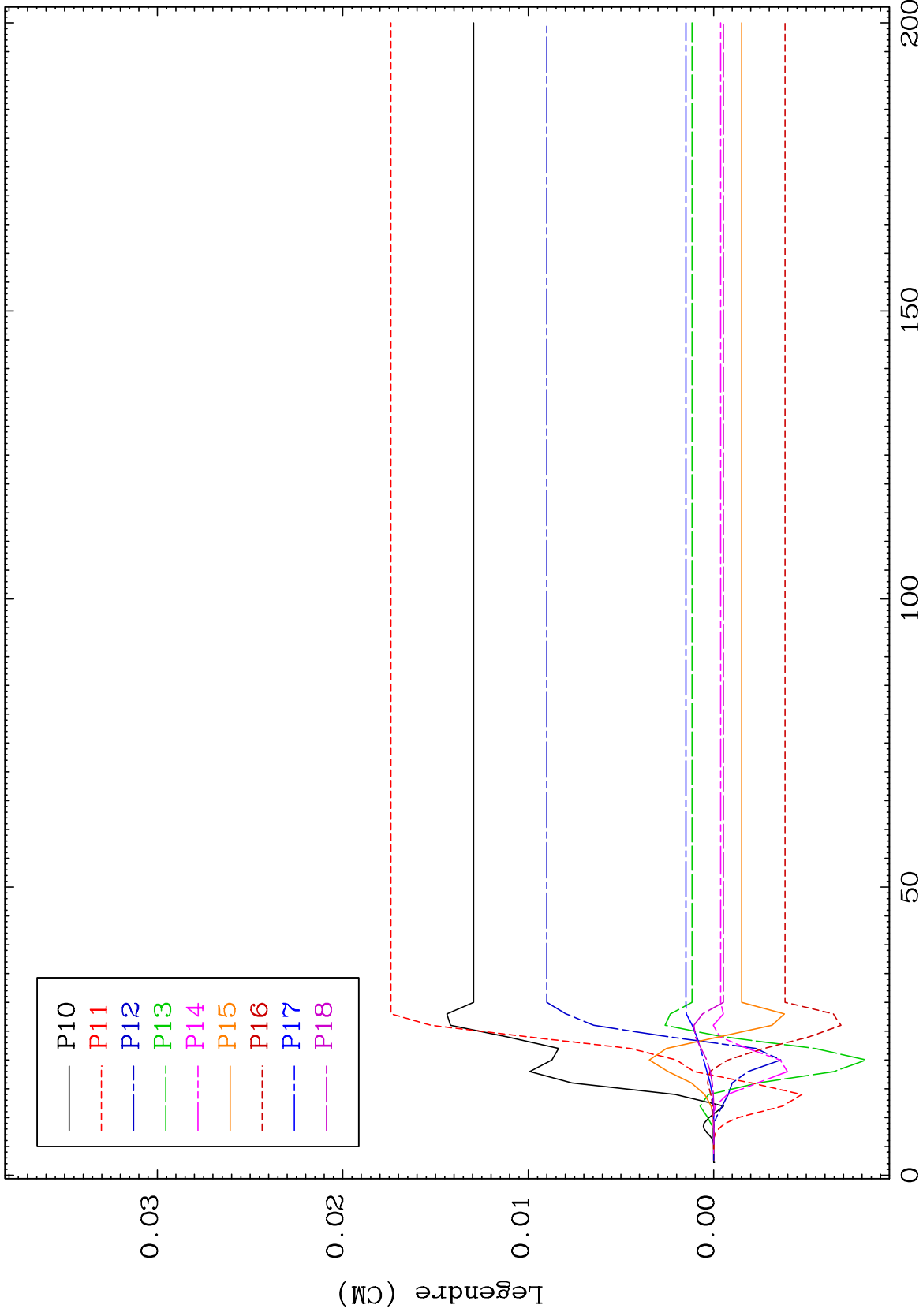
Incident Energy (MeV)

35

MAT 6207

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

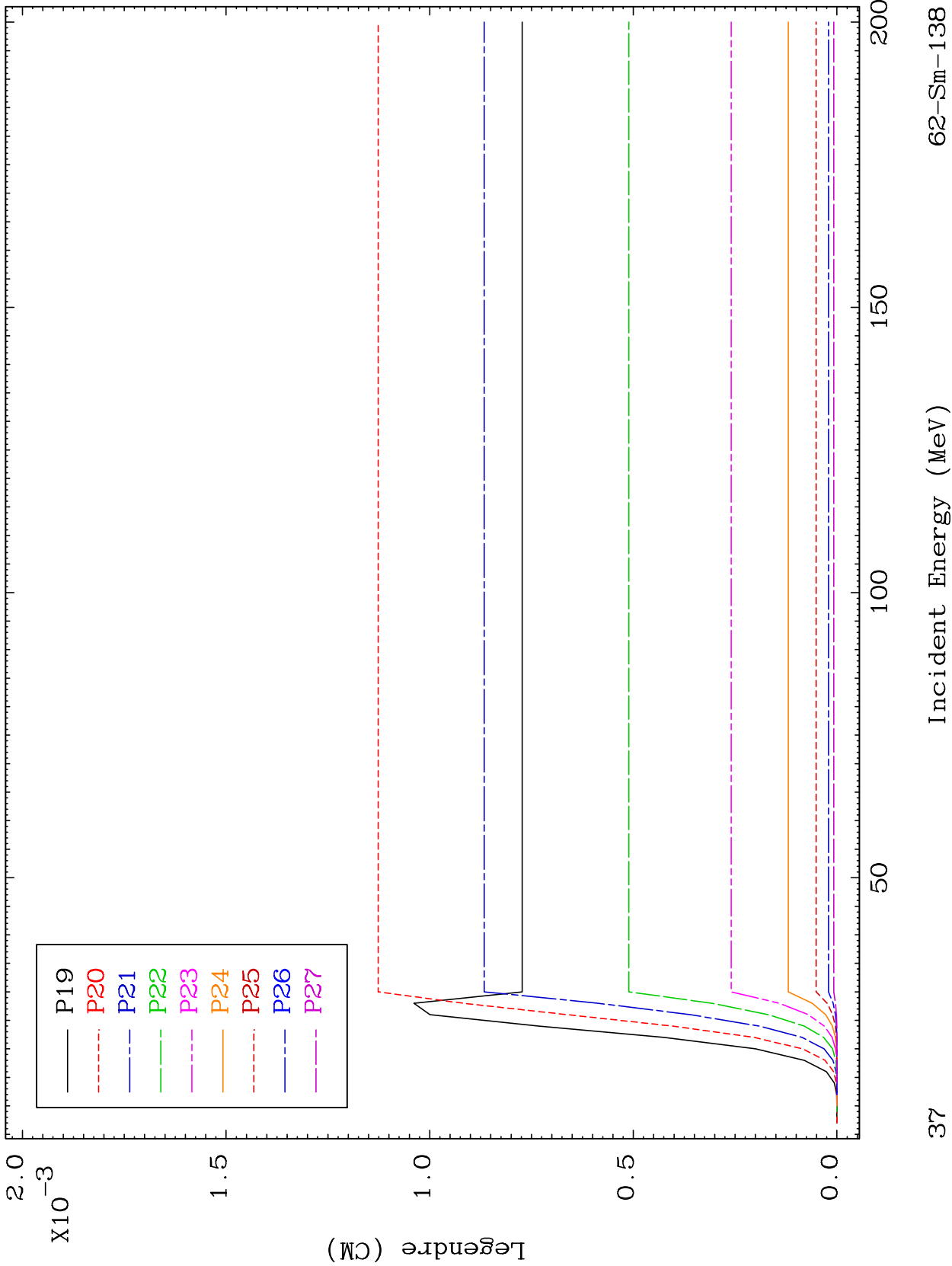
62-Sm-138



36

Incident Energy (MeV)

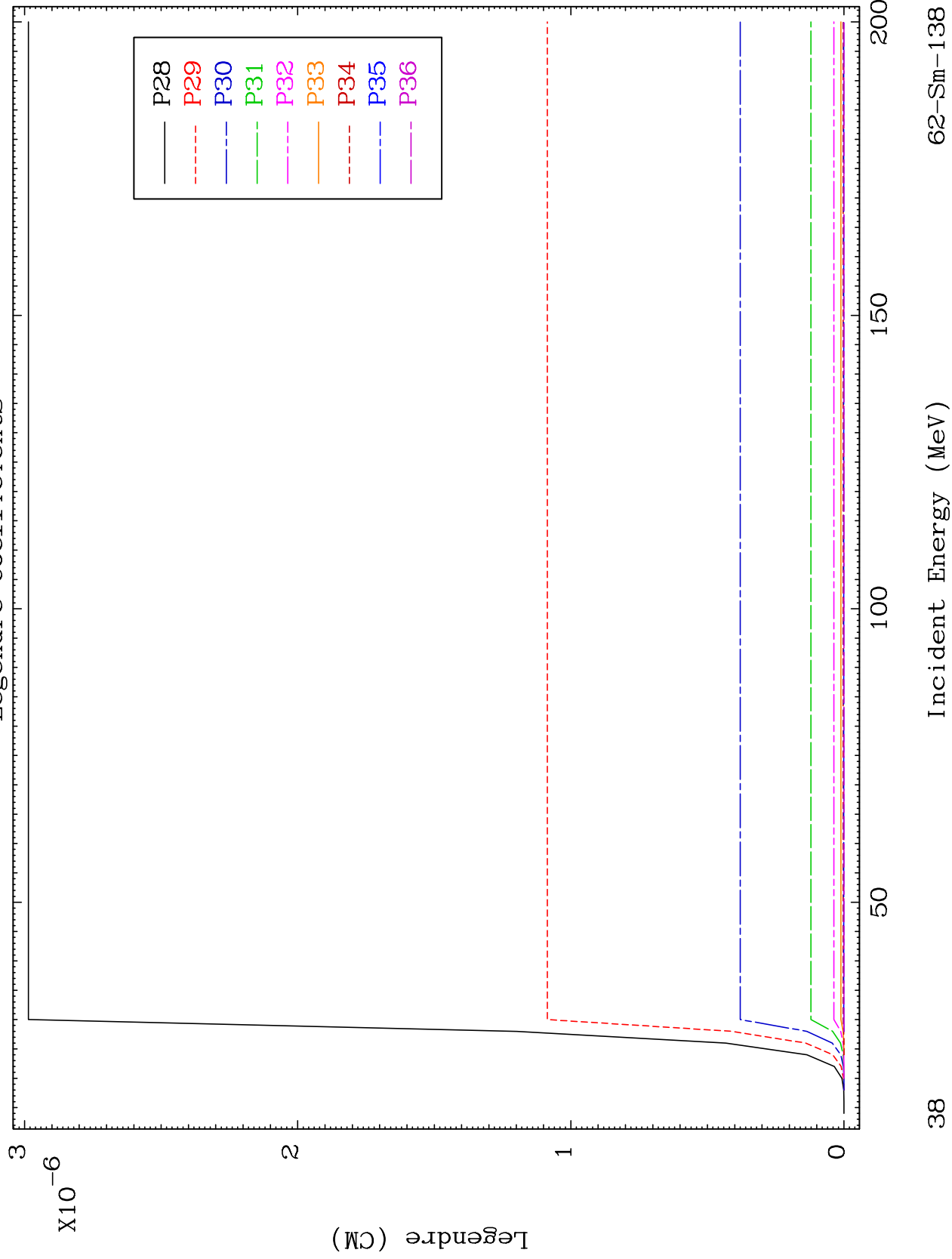
62-Sm-138



MAT 6207

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

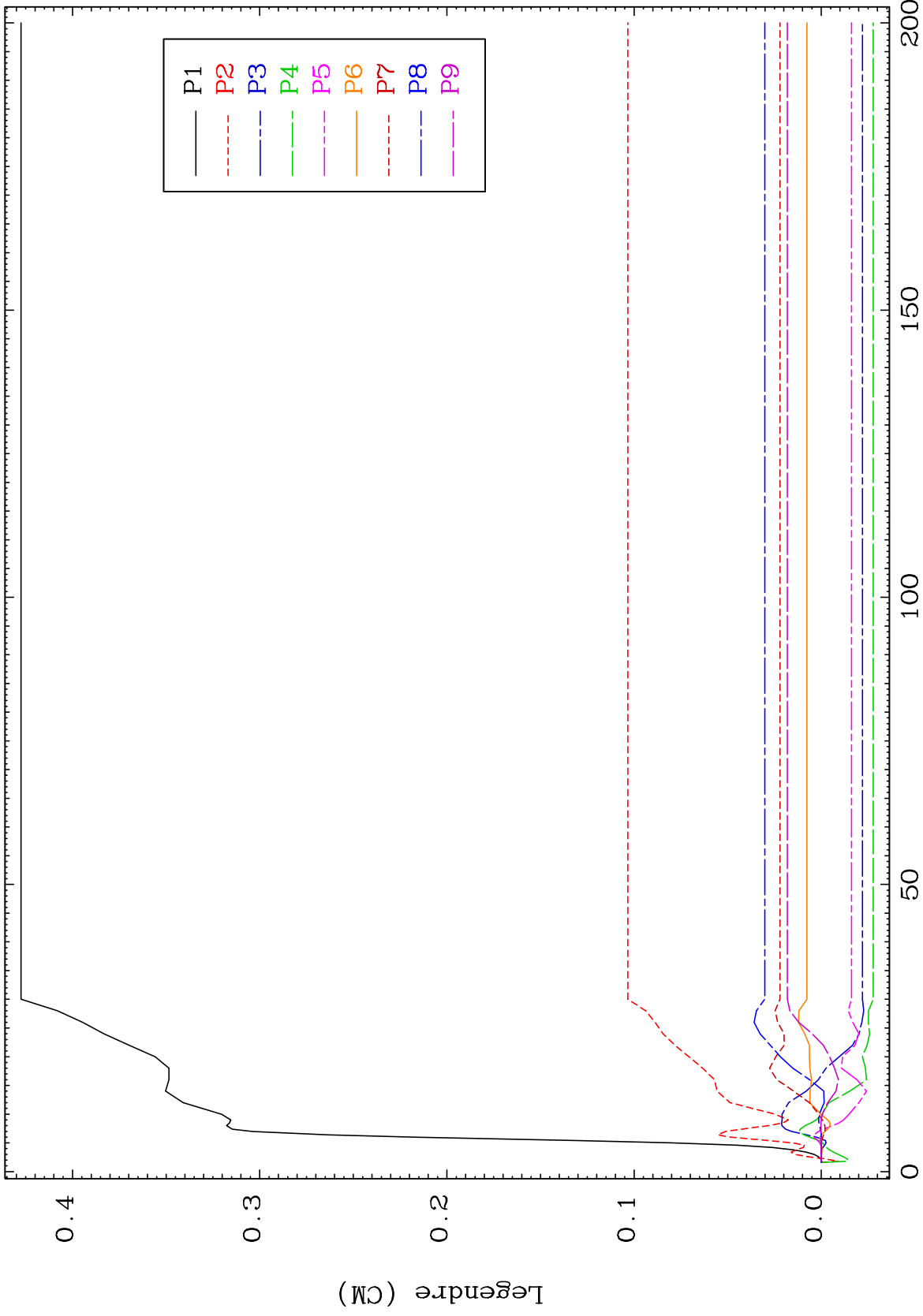
62-Sm-138



MAT 6207

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

62-Sm-138



39

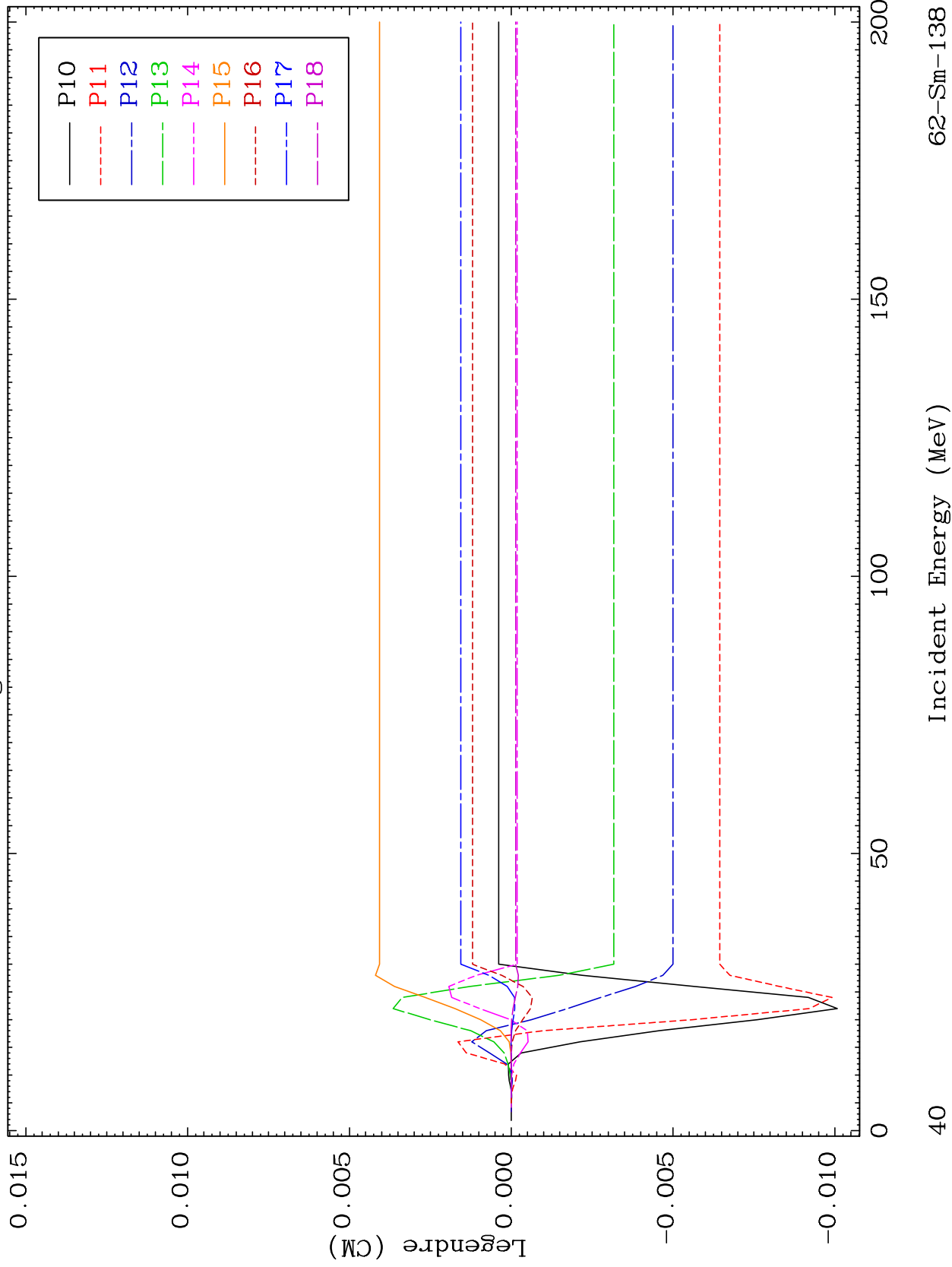
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



62-Sm-138

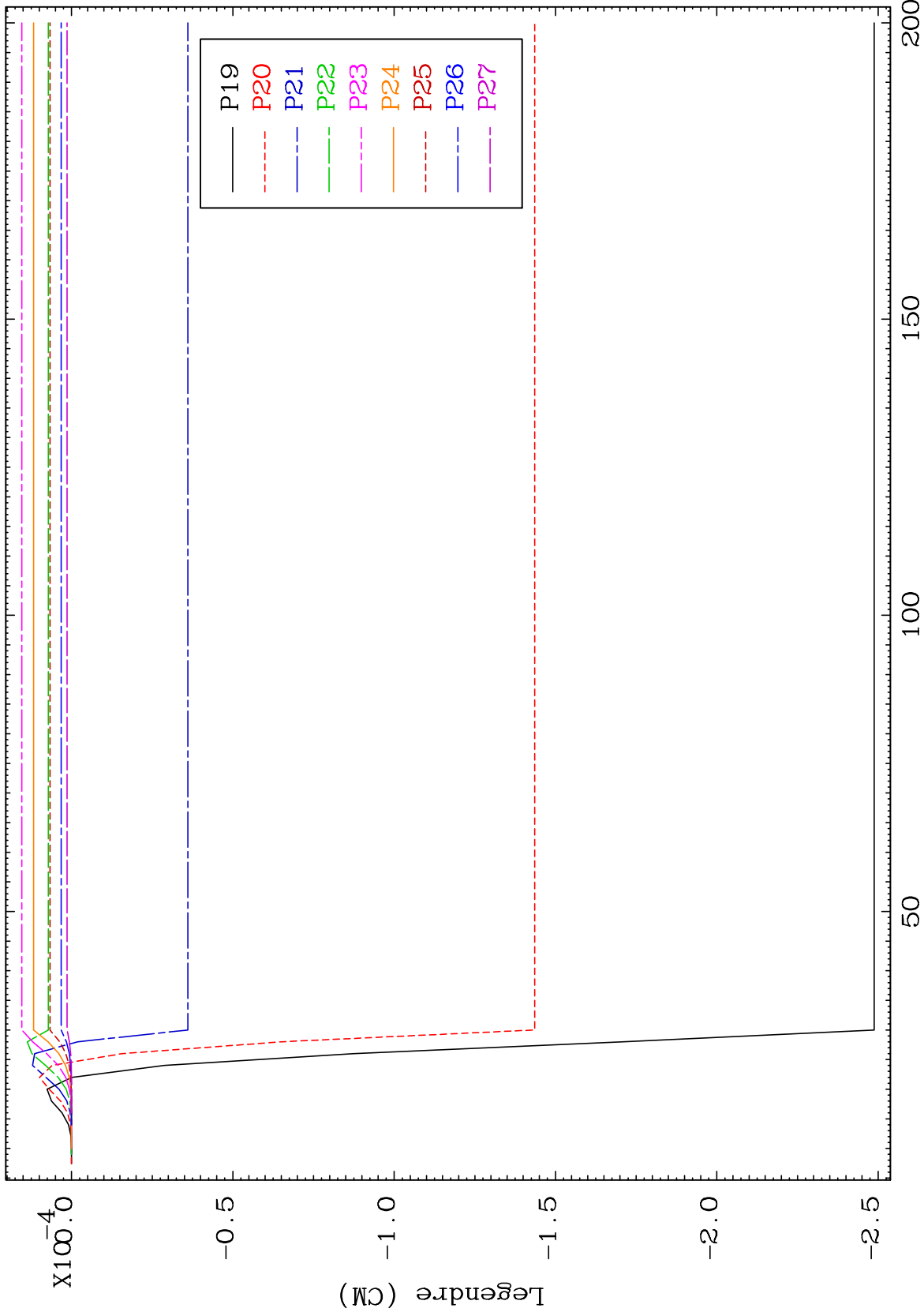
Incident Energy (MeV)

40

MAT 6207

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

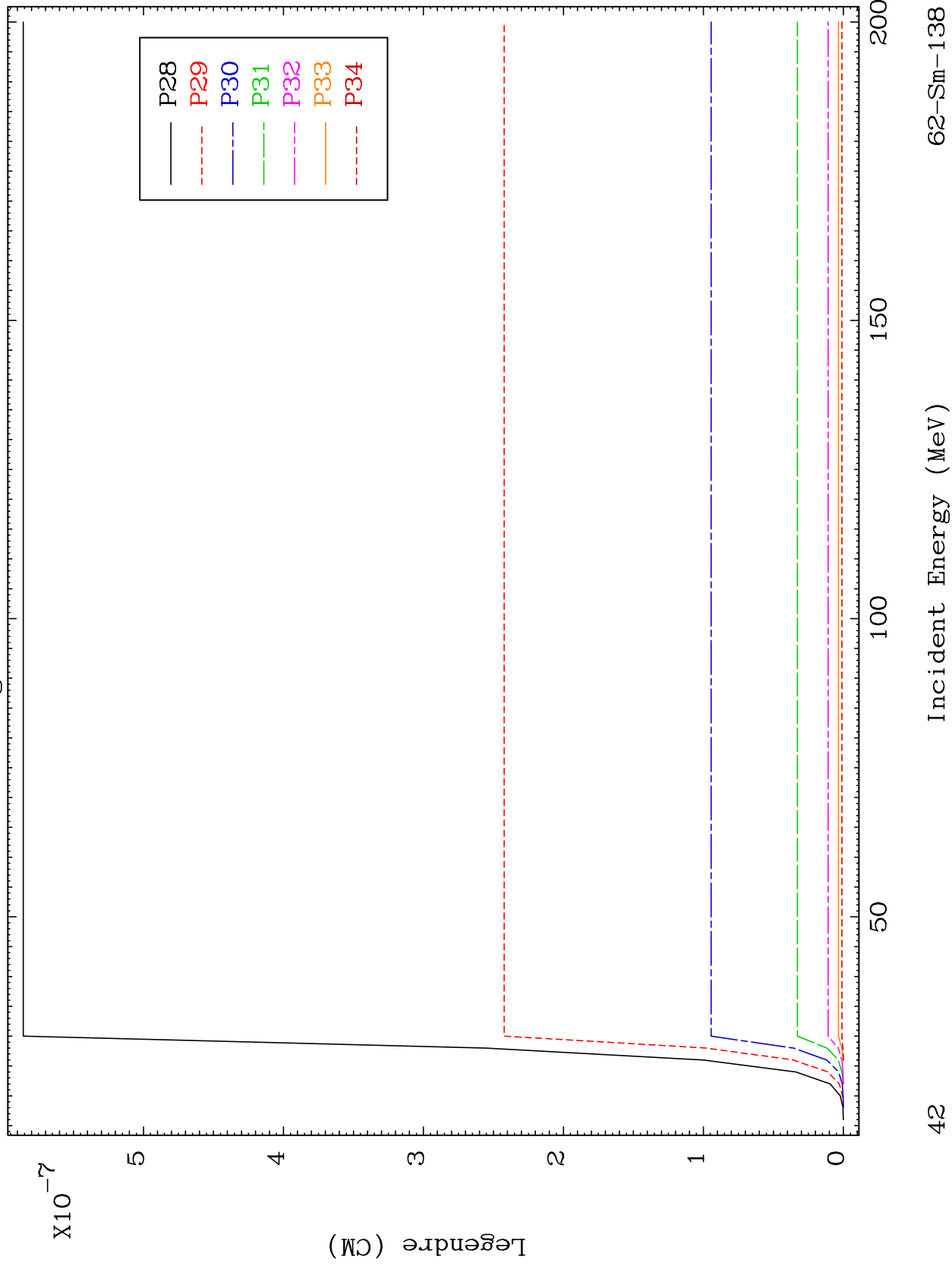
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MAT 6207

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

62-Sm-138



42

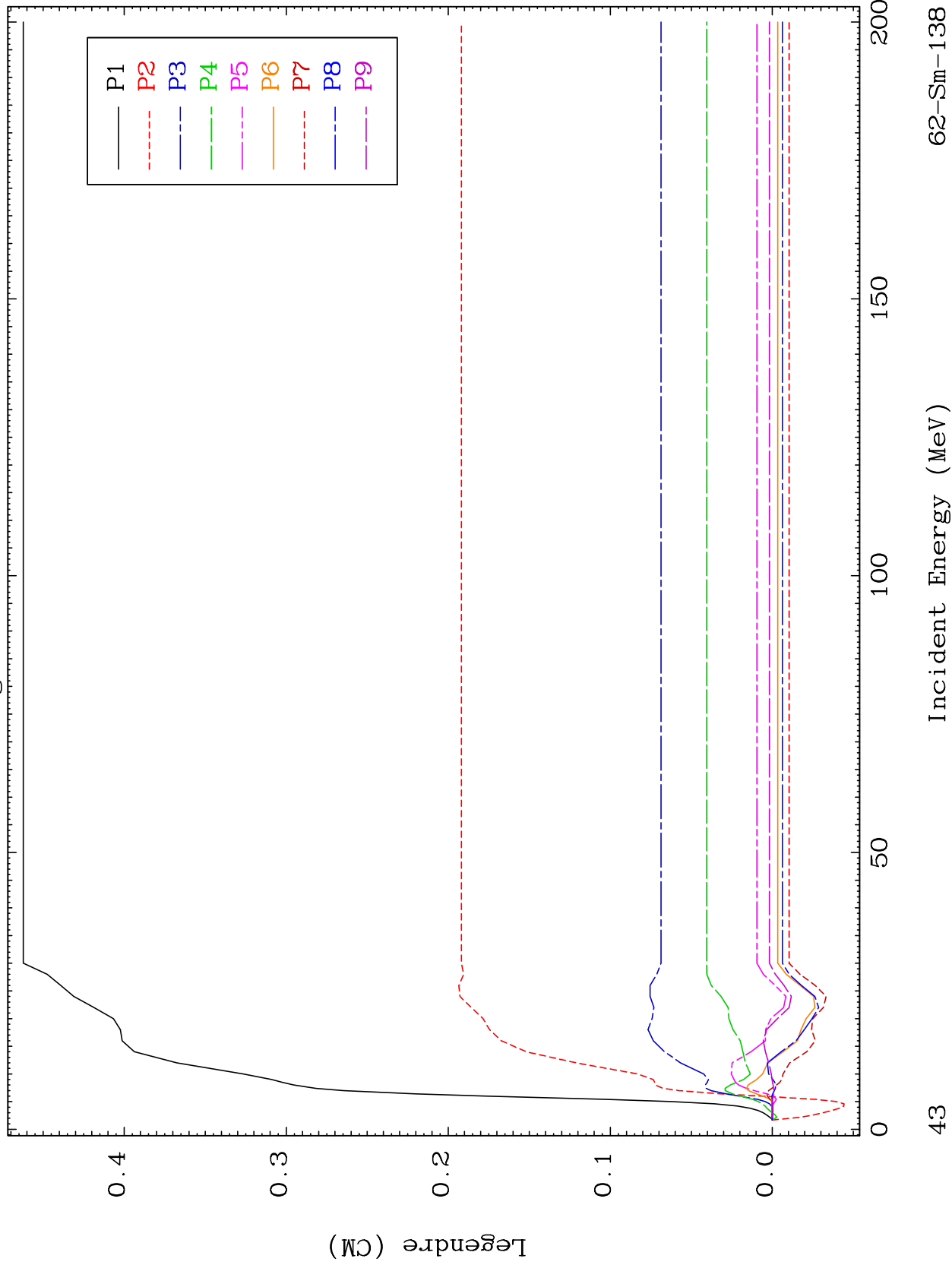
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

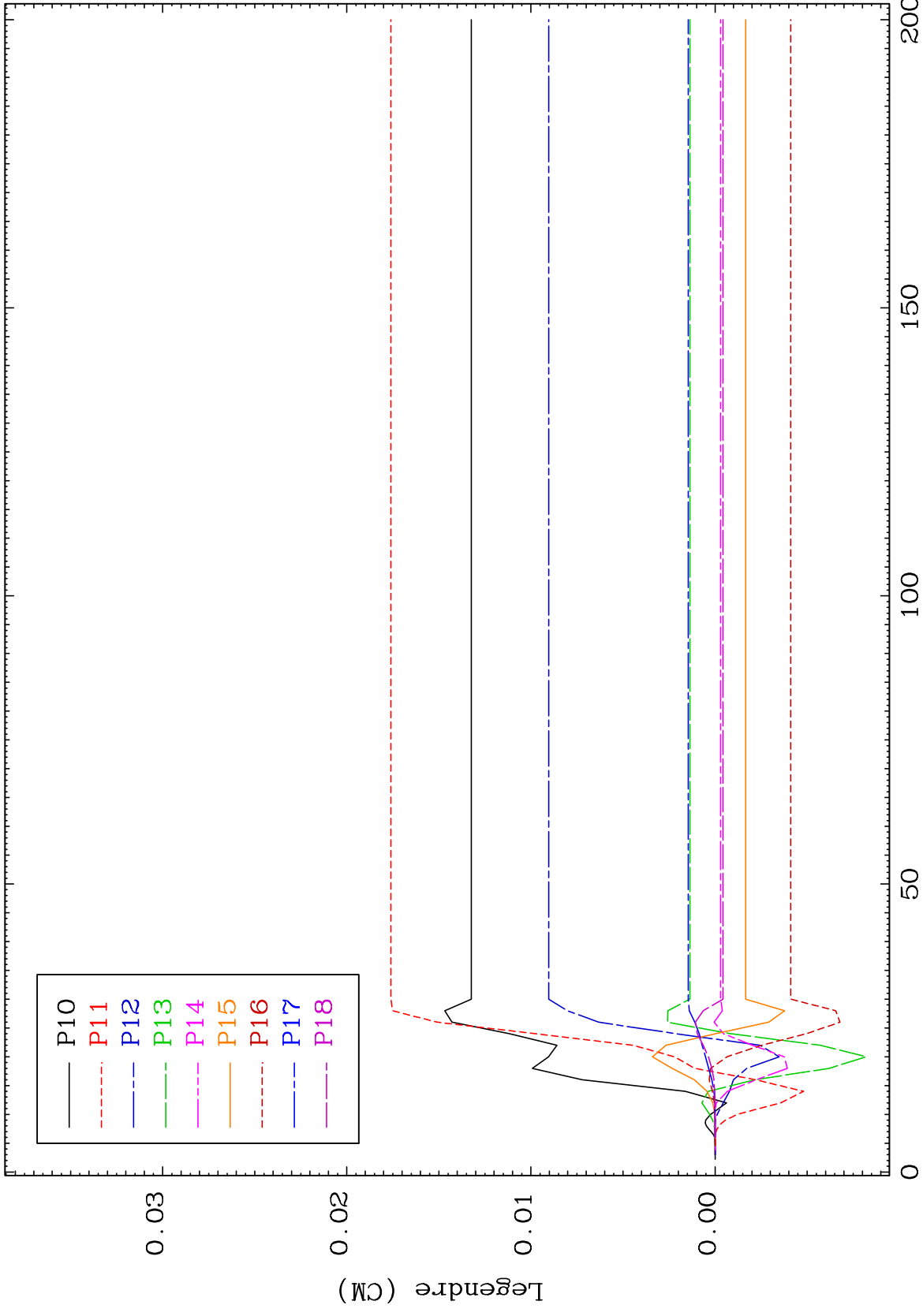
62-Sm-138



62-Sm-138

Incident Energy (MeV)

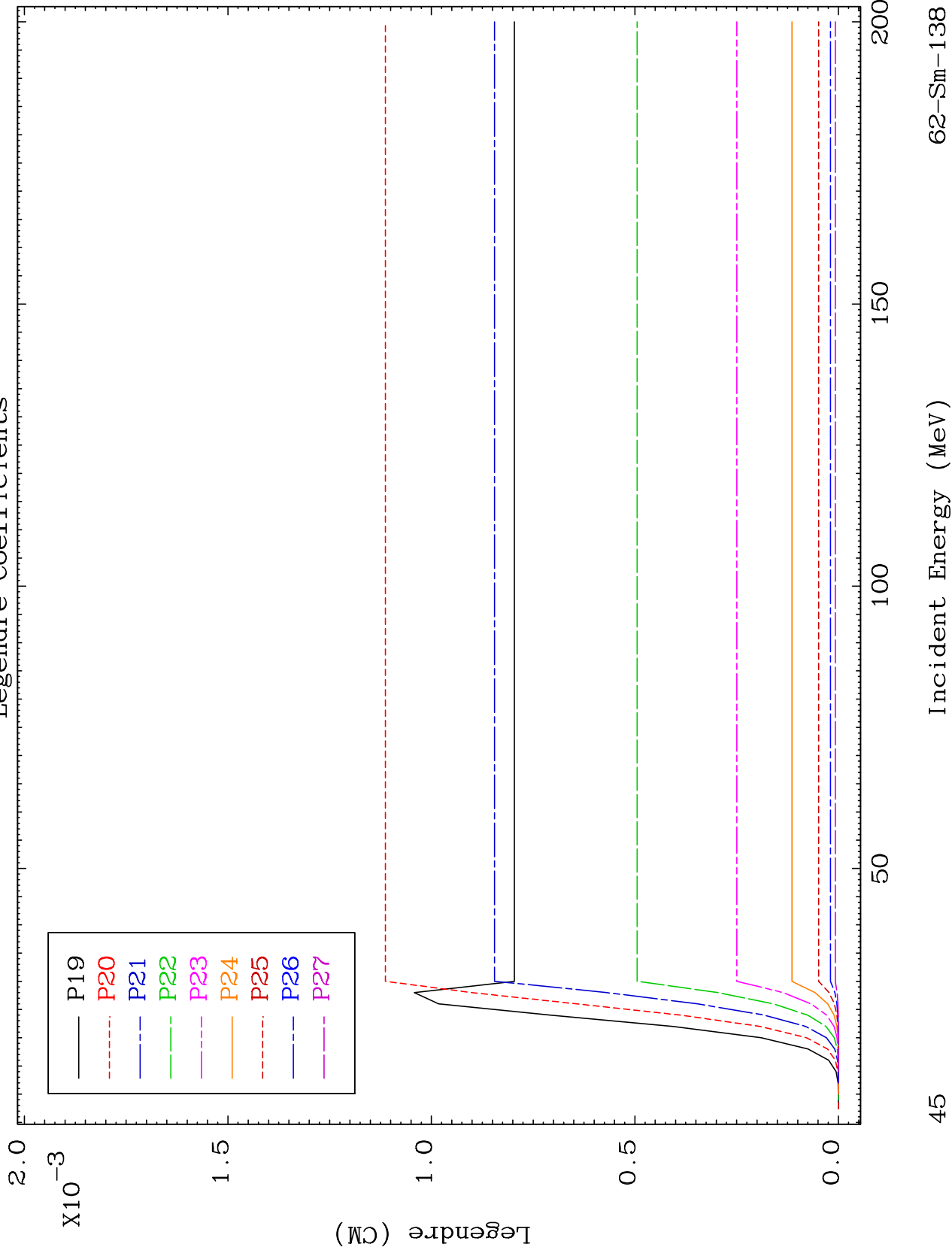
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MAT 6207

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

62-Sm-138



45

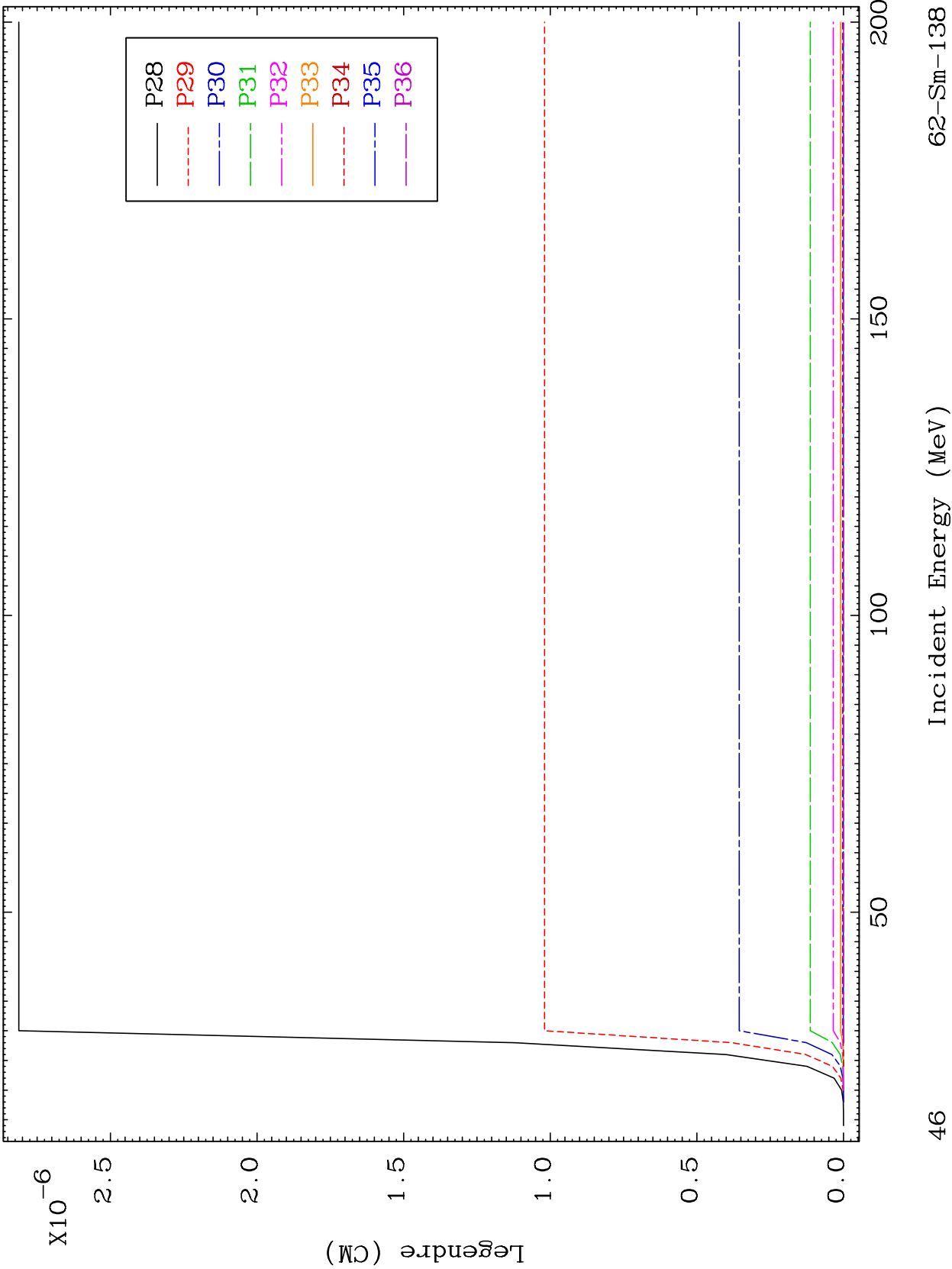
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



46

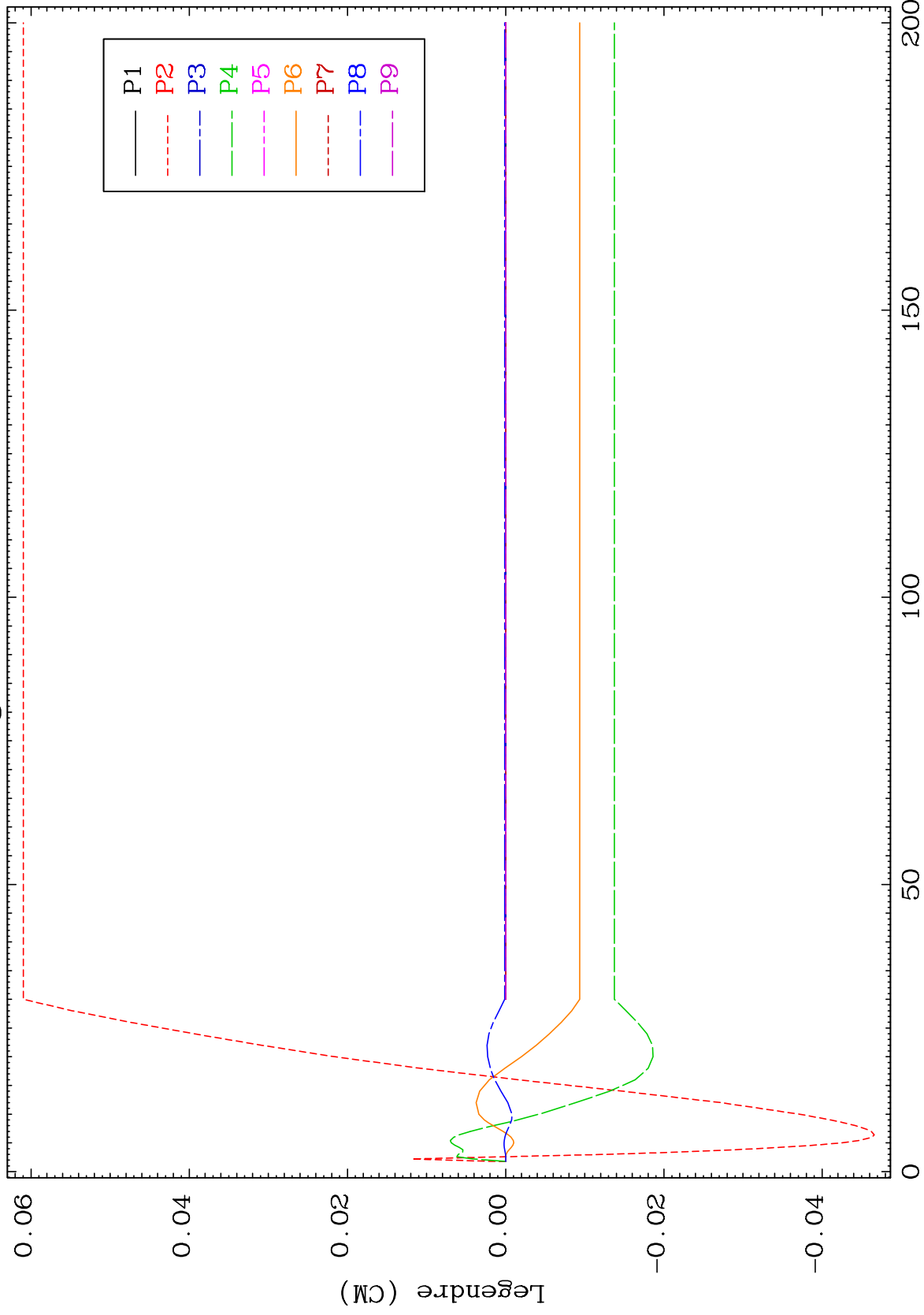
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



47

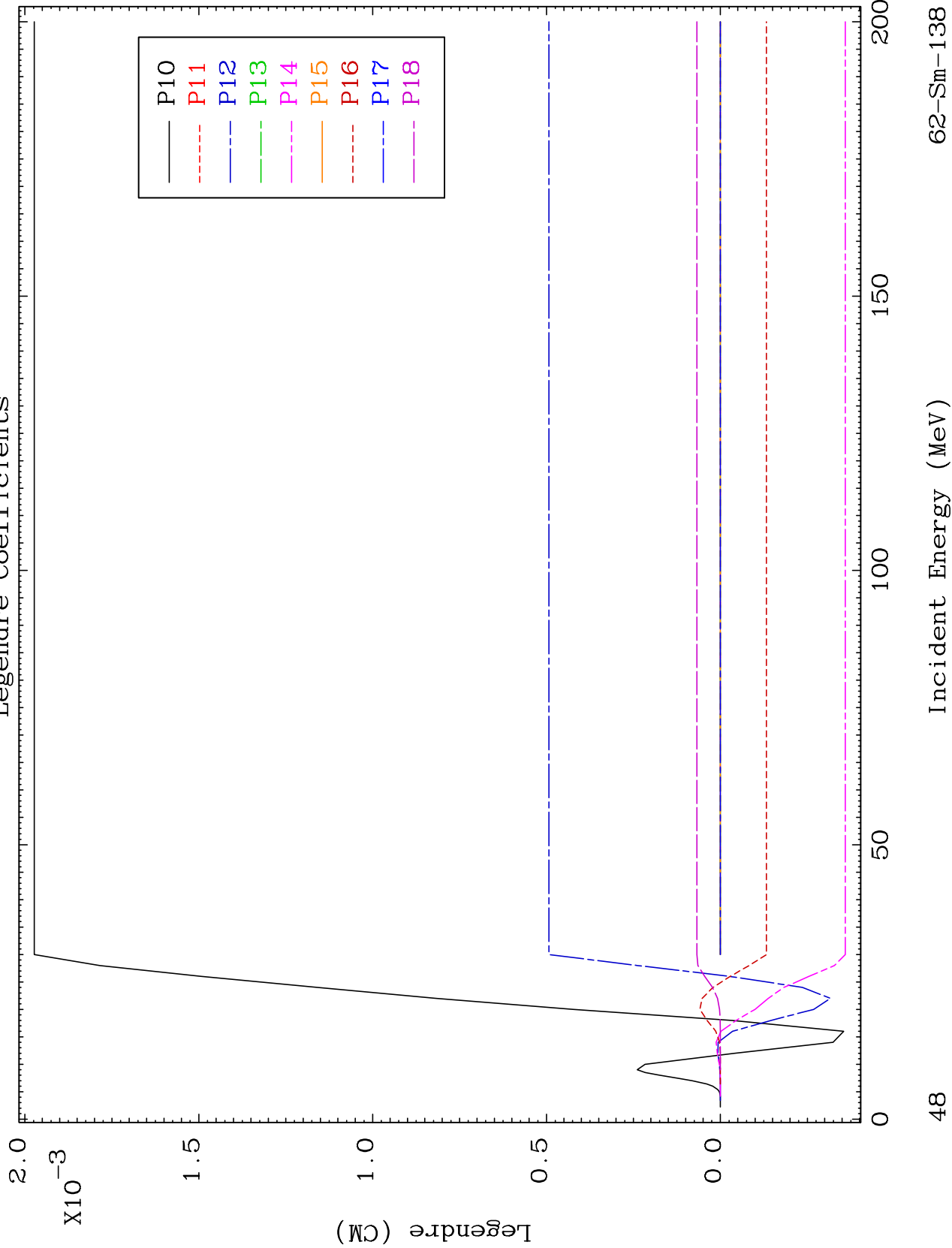
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



48

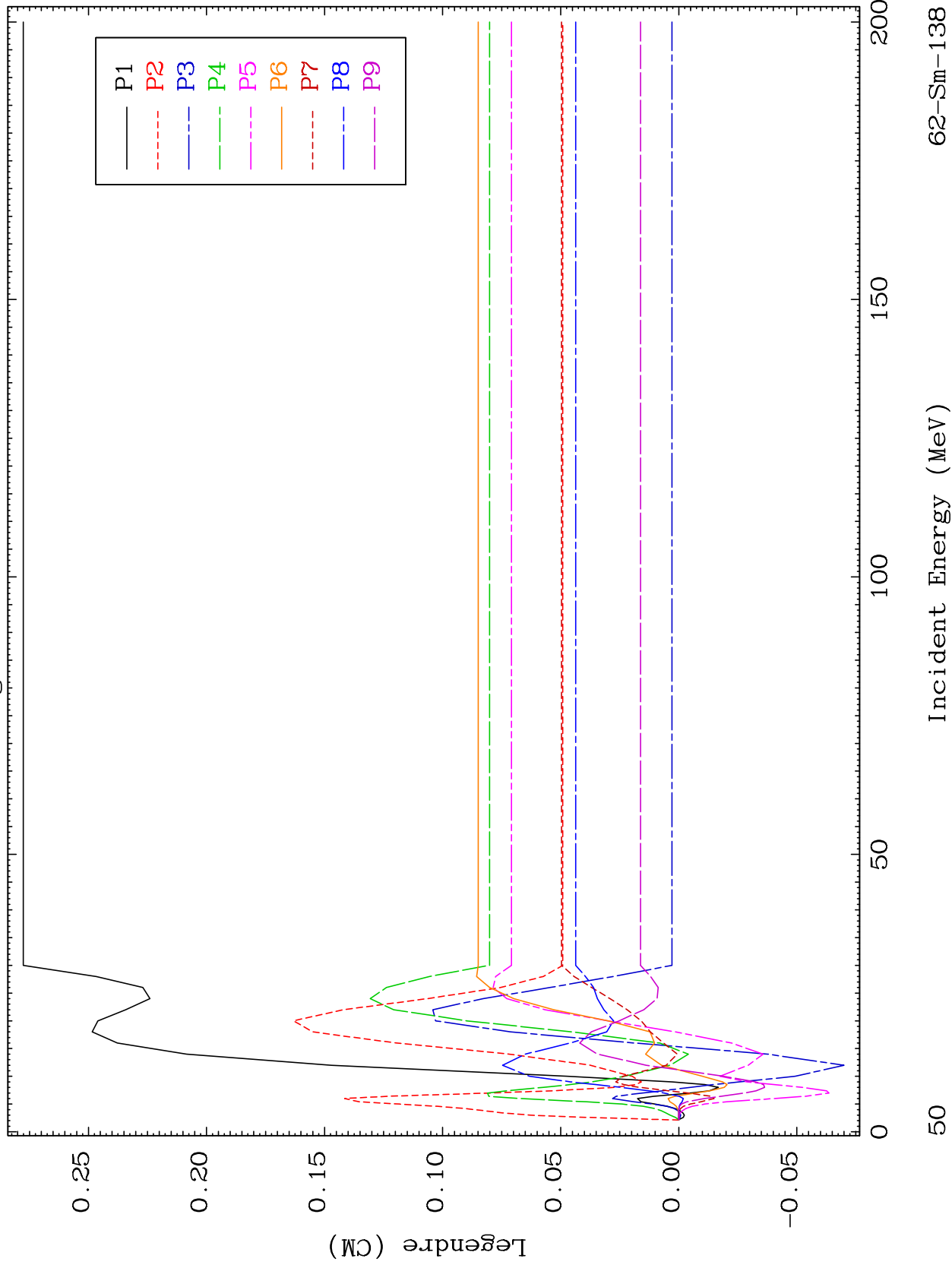
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



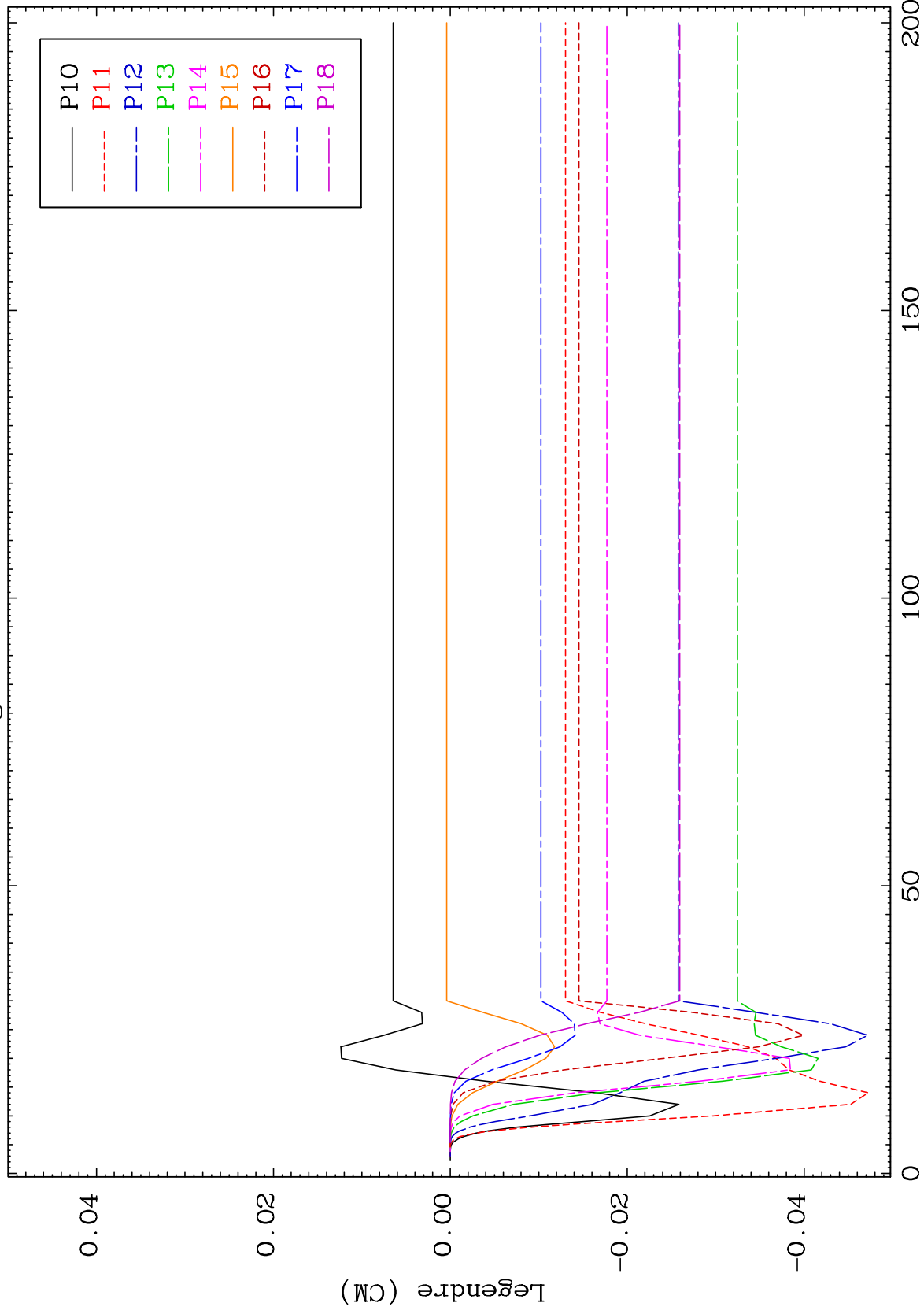
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Incident Energy (MeV)

MAT 6207

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

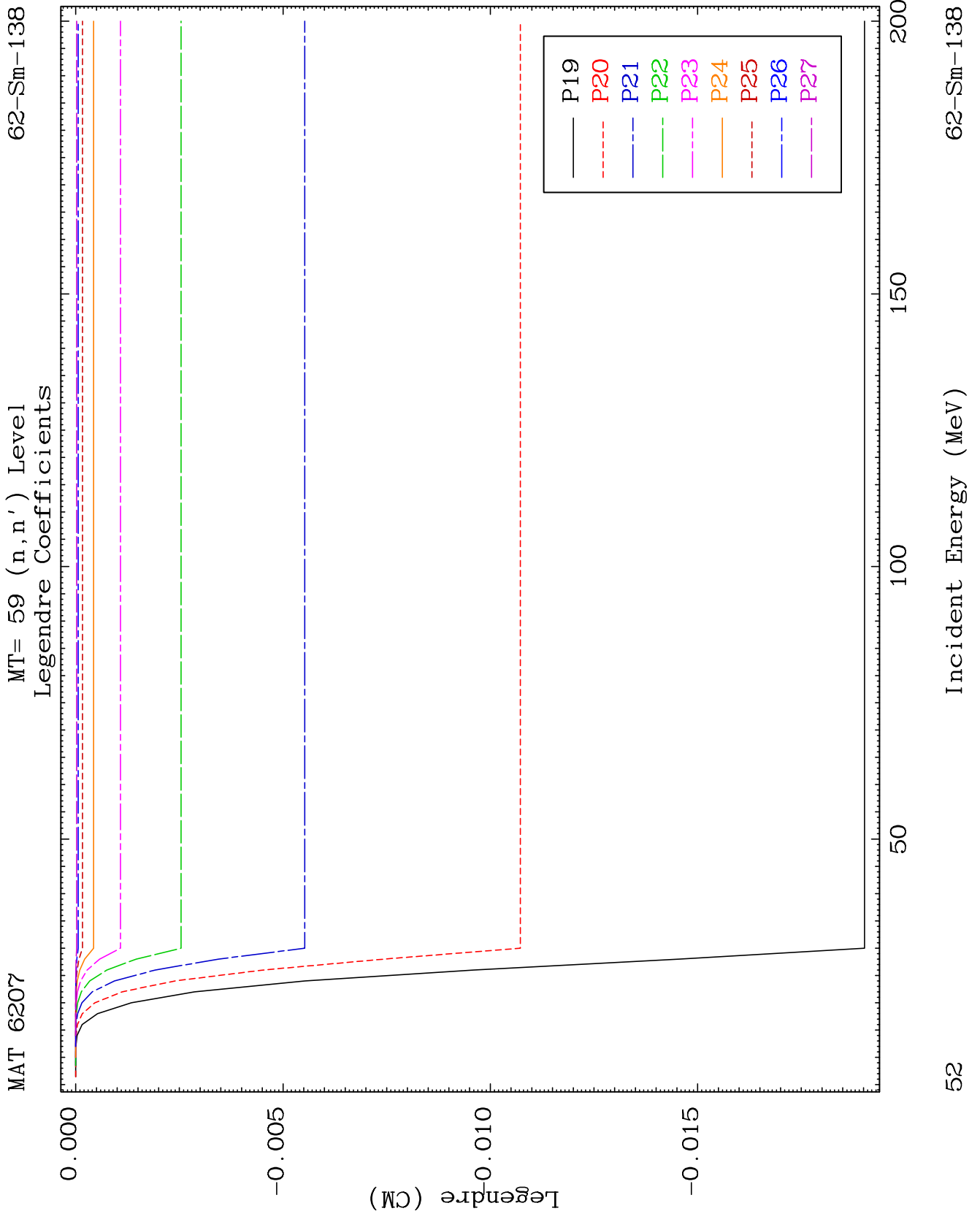
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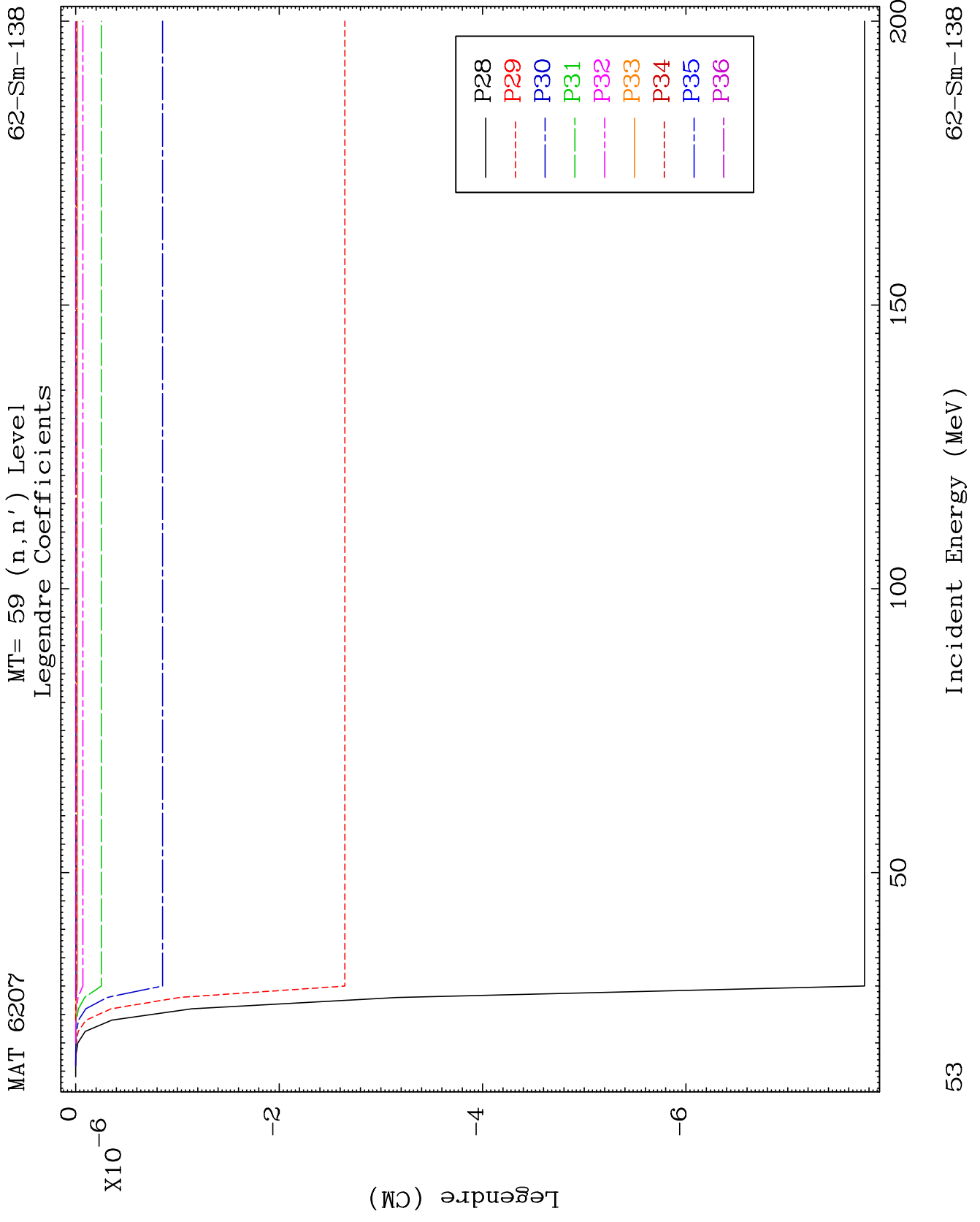


51

Incident Energy (MeV)

62-Sm-138

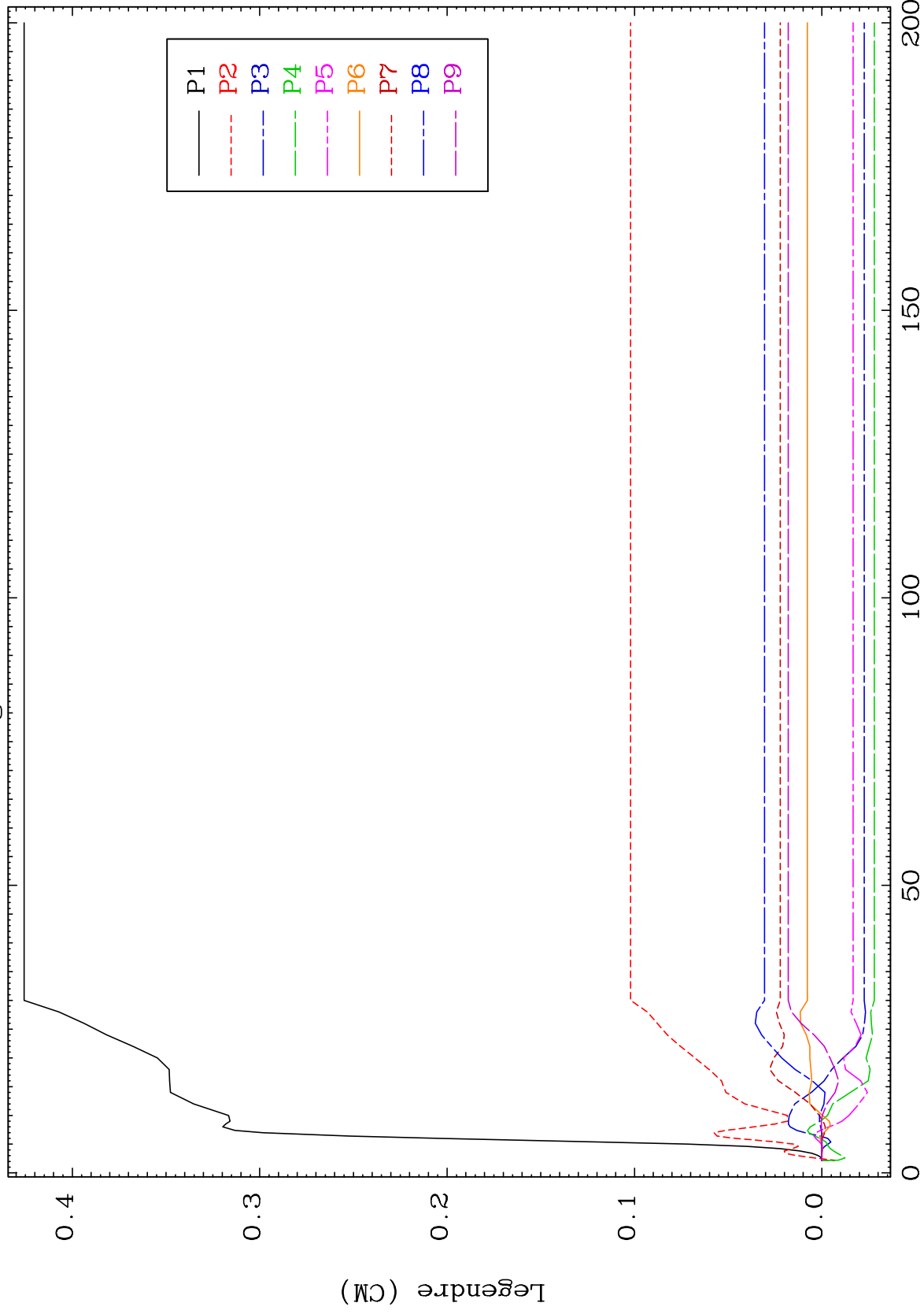




MAT 6207

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

62-Sm-138



54

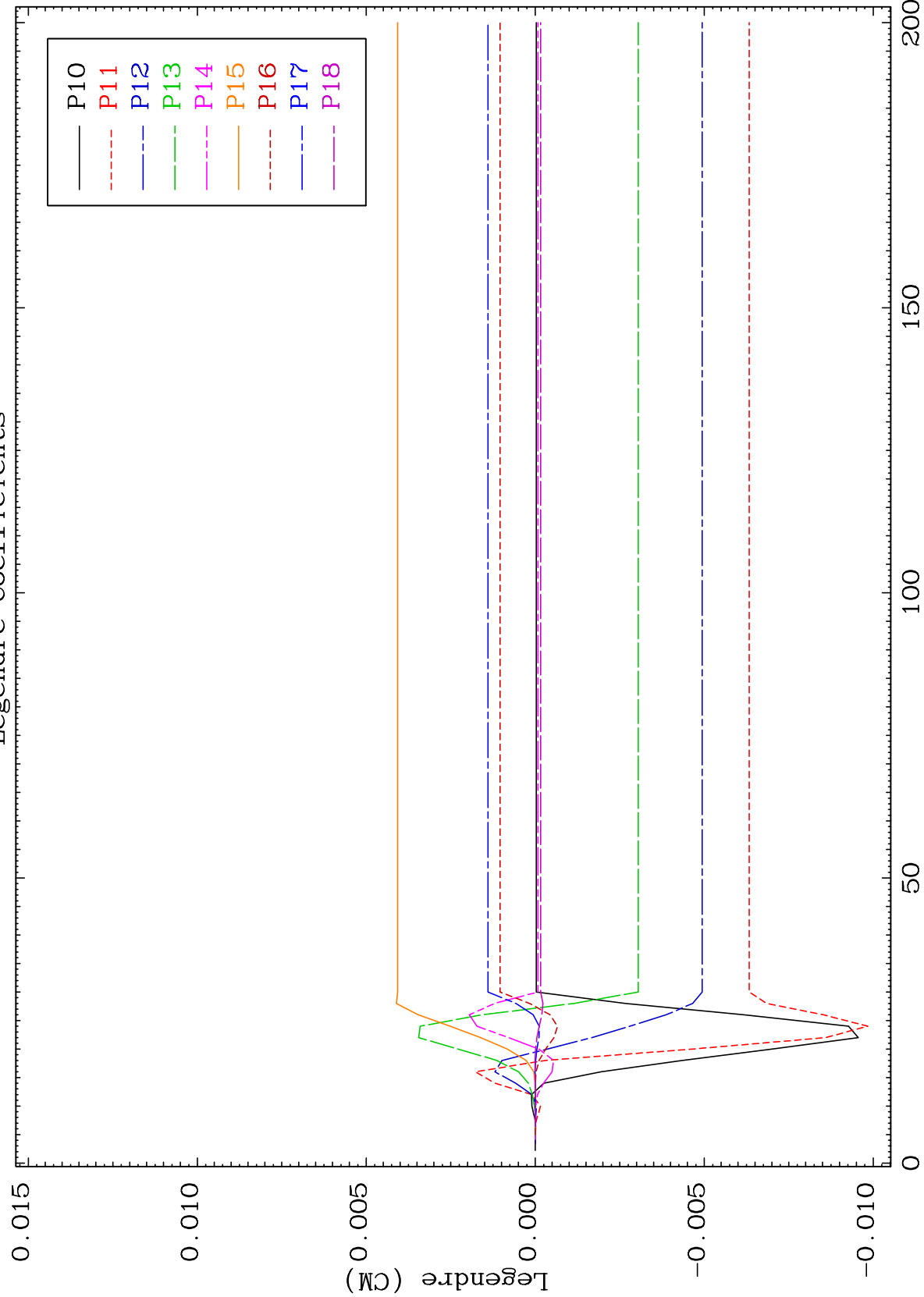
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



55

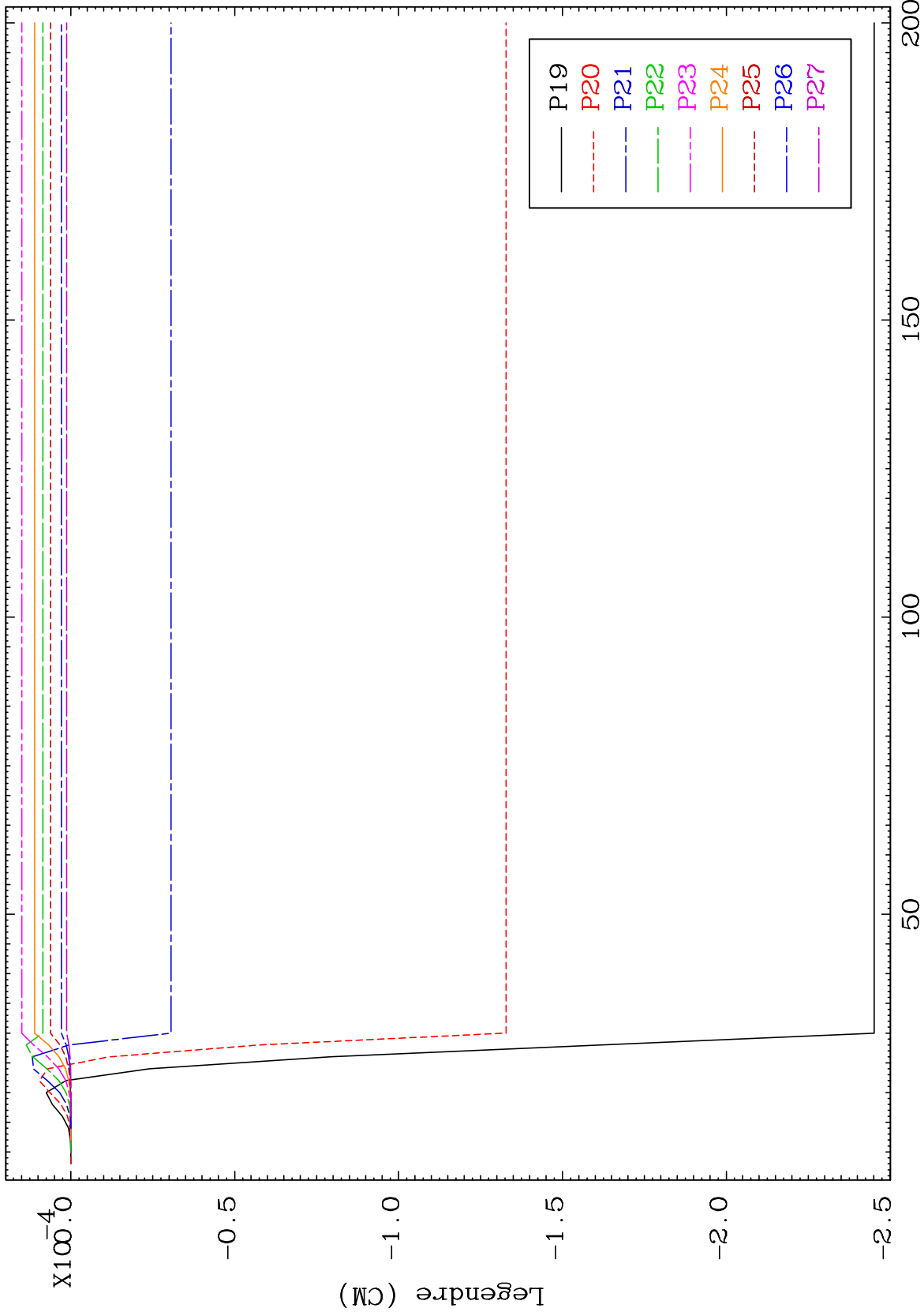
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



56

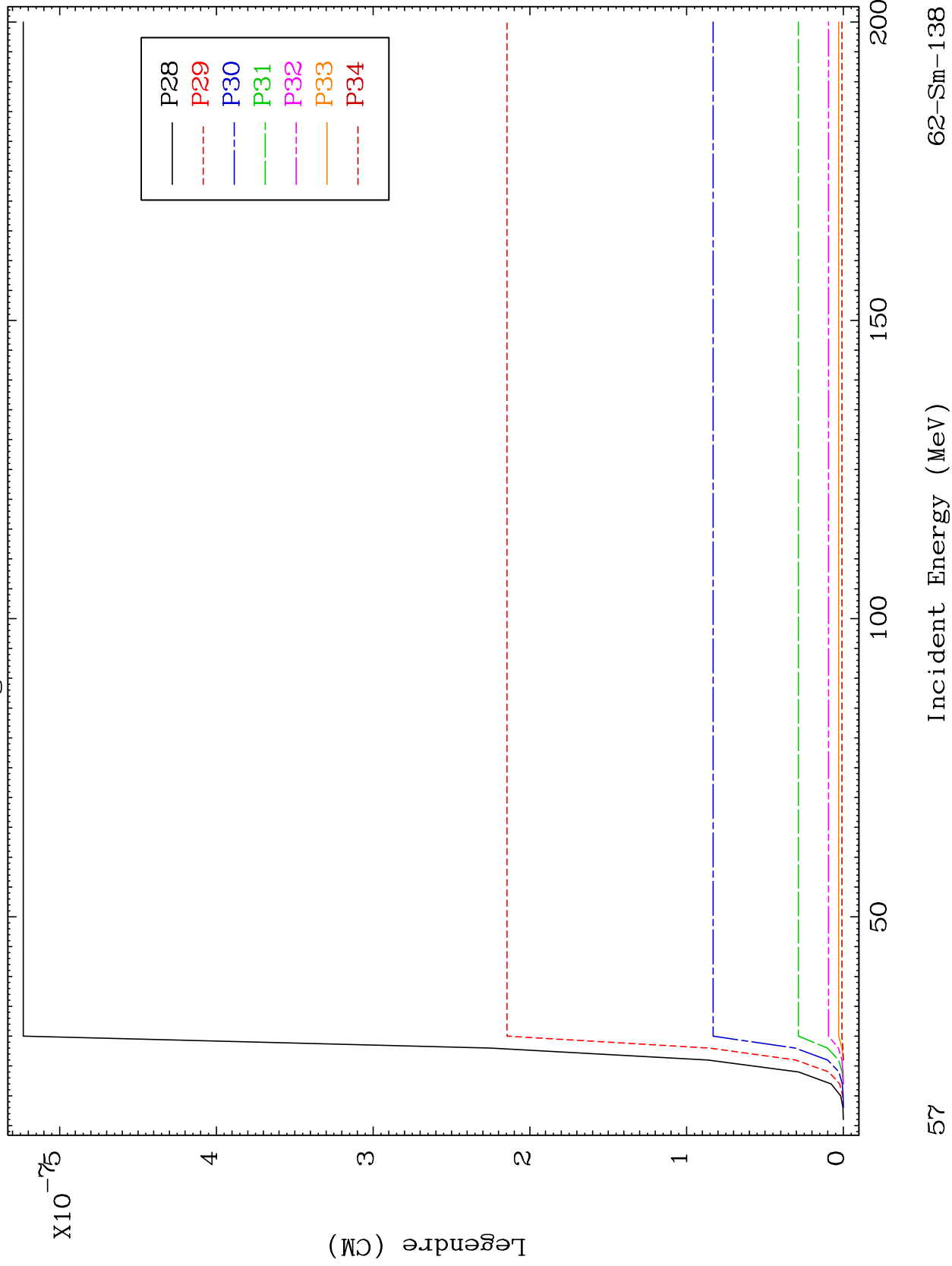
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

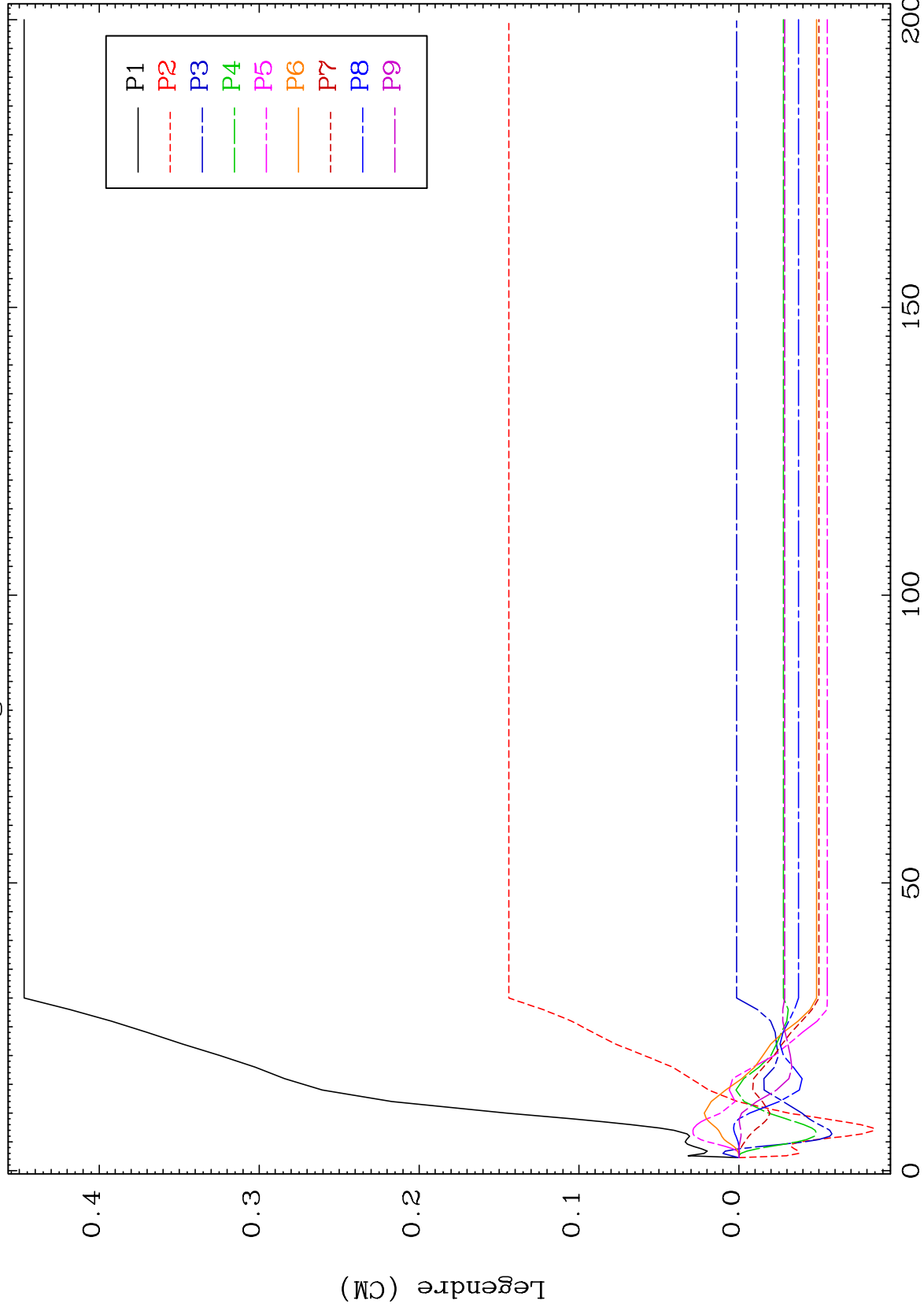
62-Sm-138



MAT 6207

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

62-Sm-138



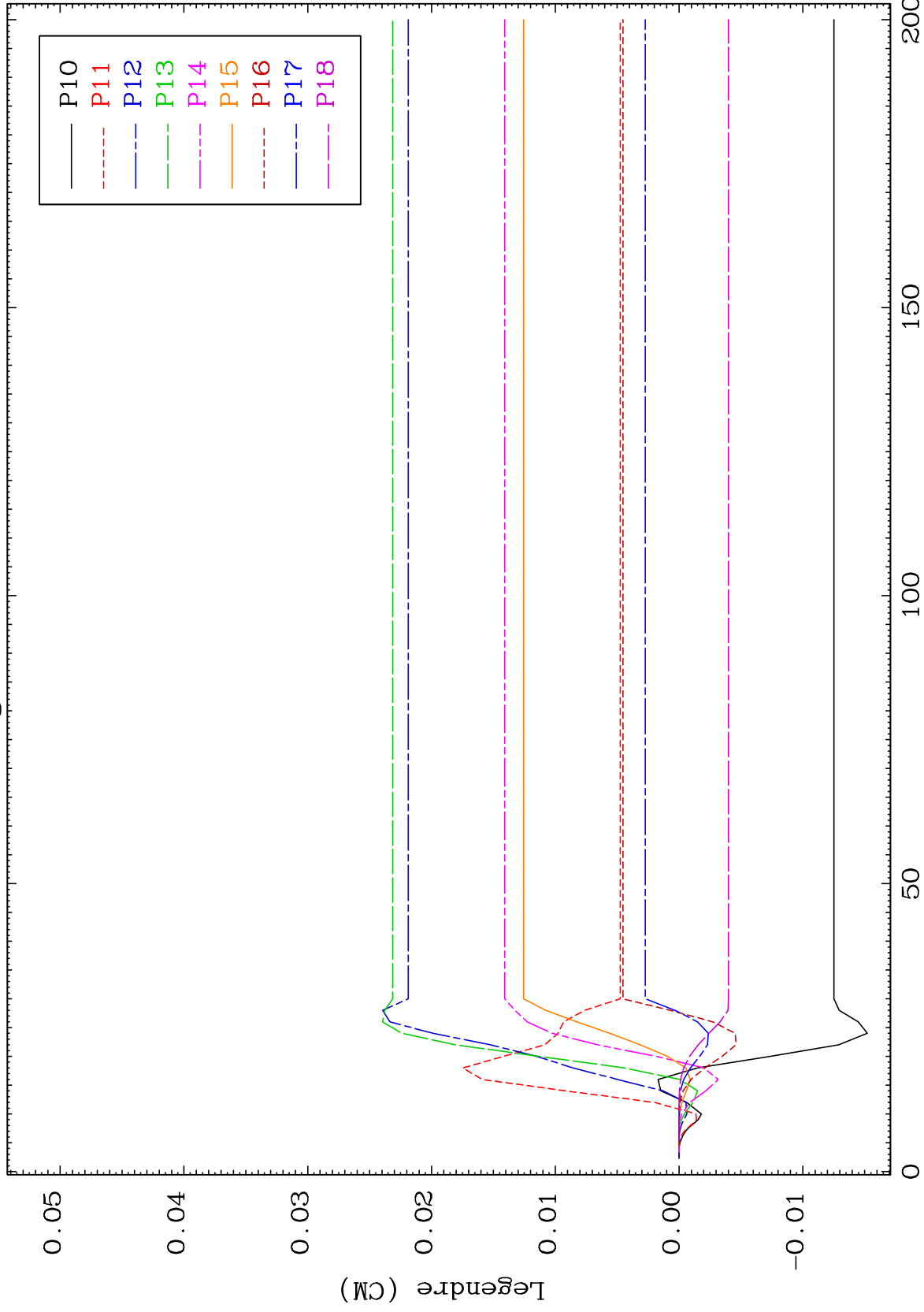
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62-Sm-138

MAT 6207

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

62-Sm-138



59

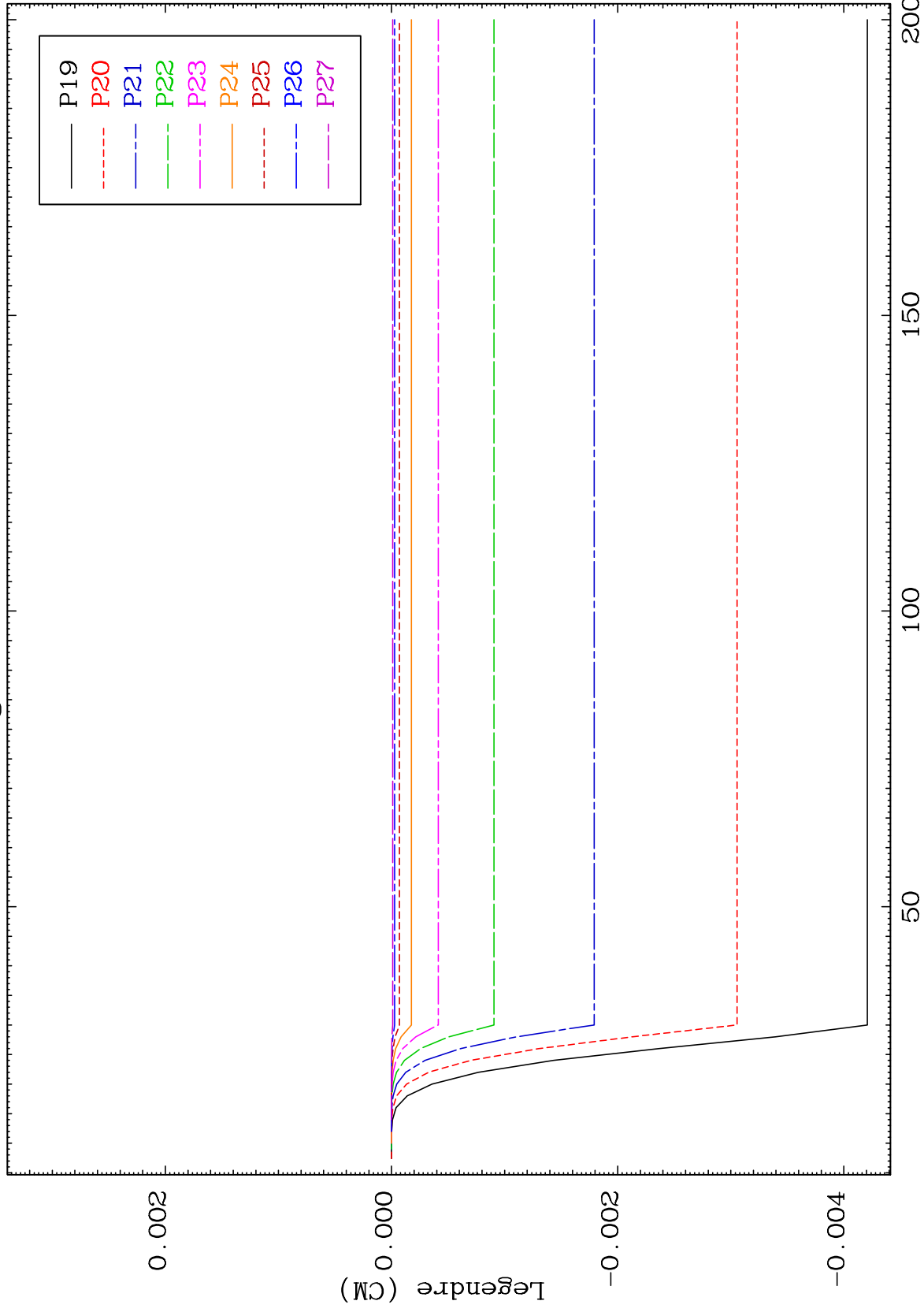
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



60

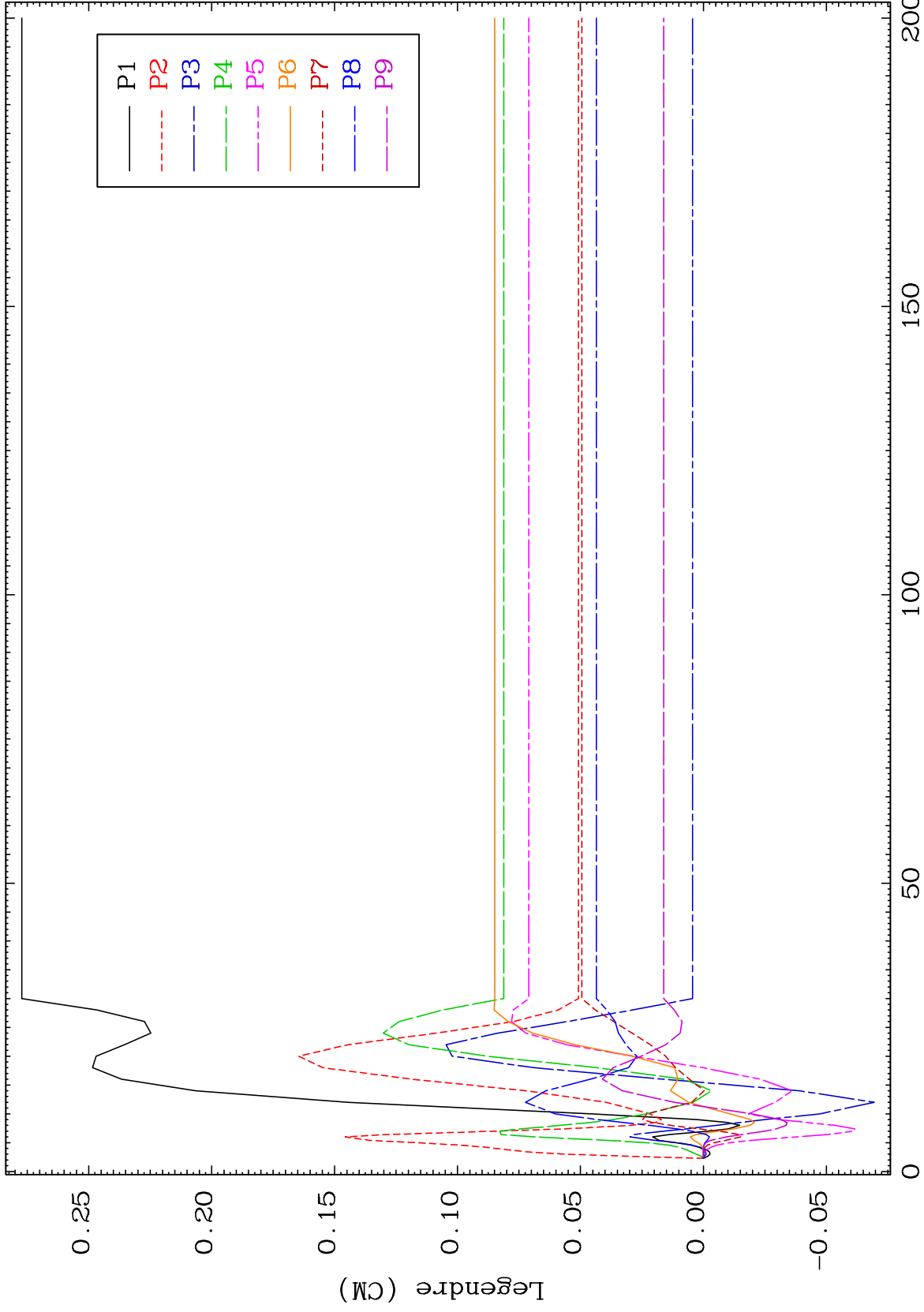
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

62-Sm-138



62

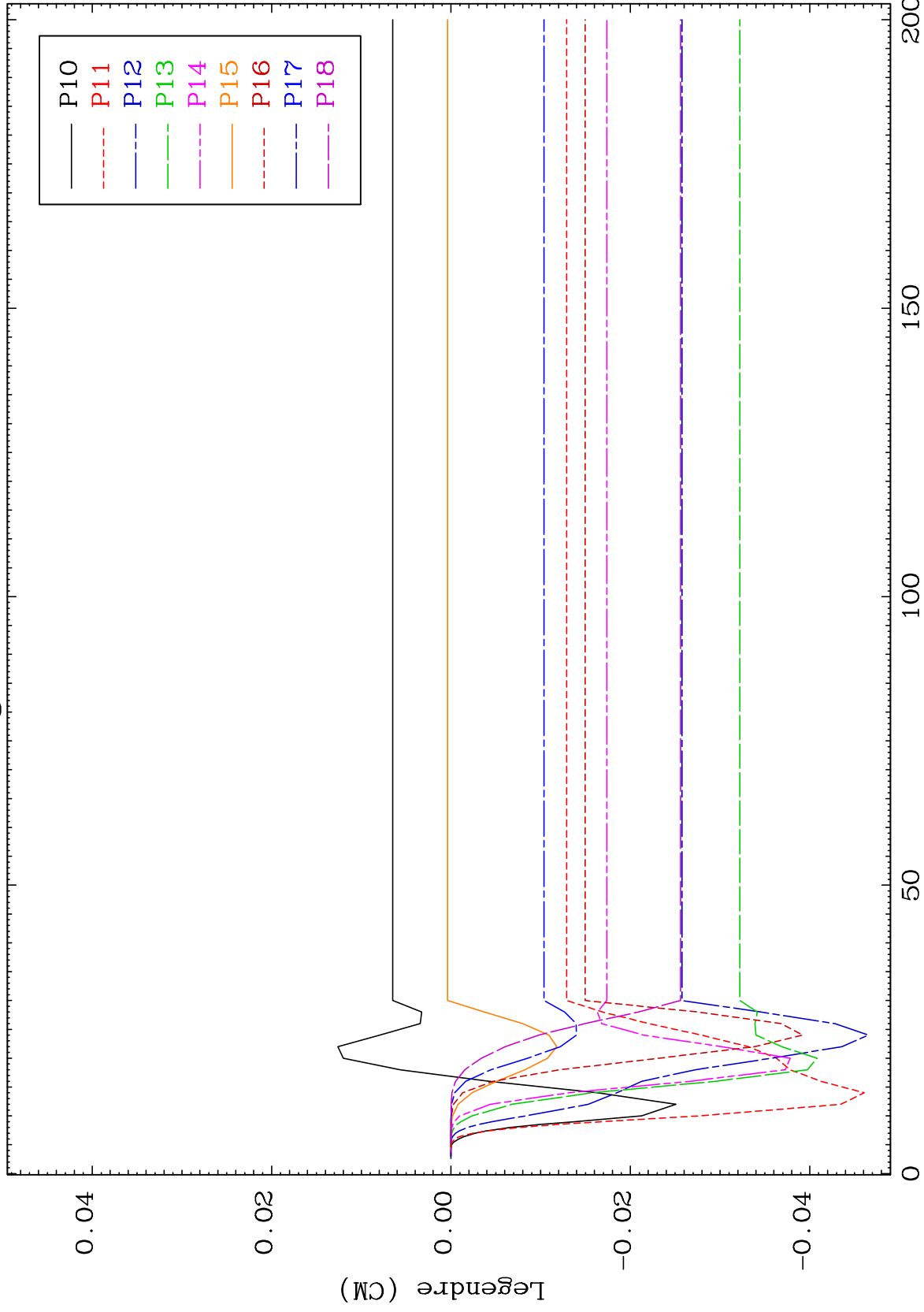
Incident Energy (MeV)

62-Sm-138

MAT 6207

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

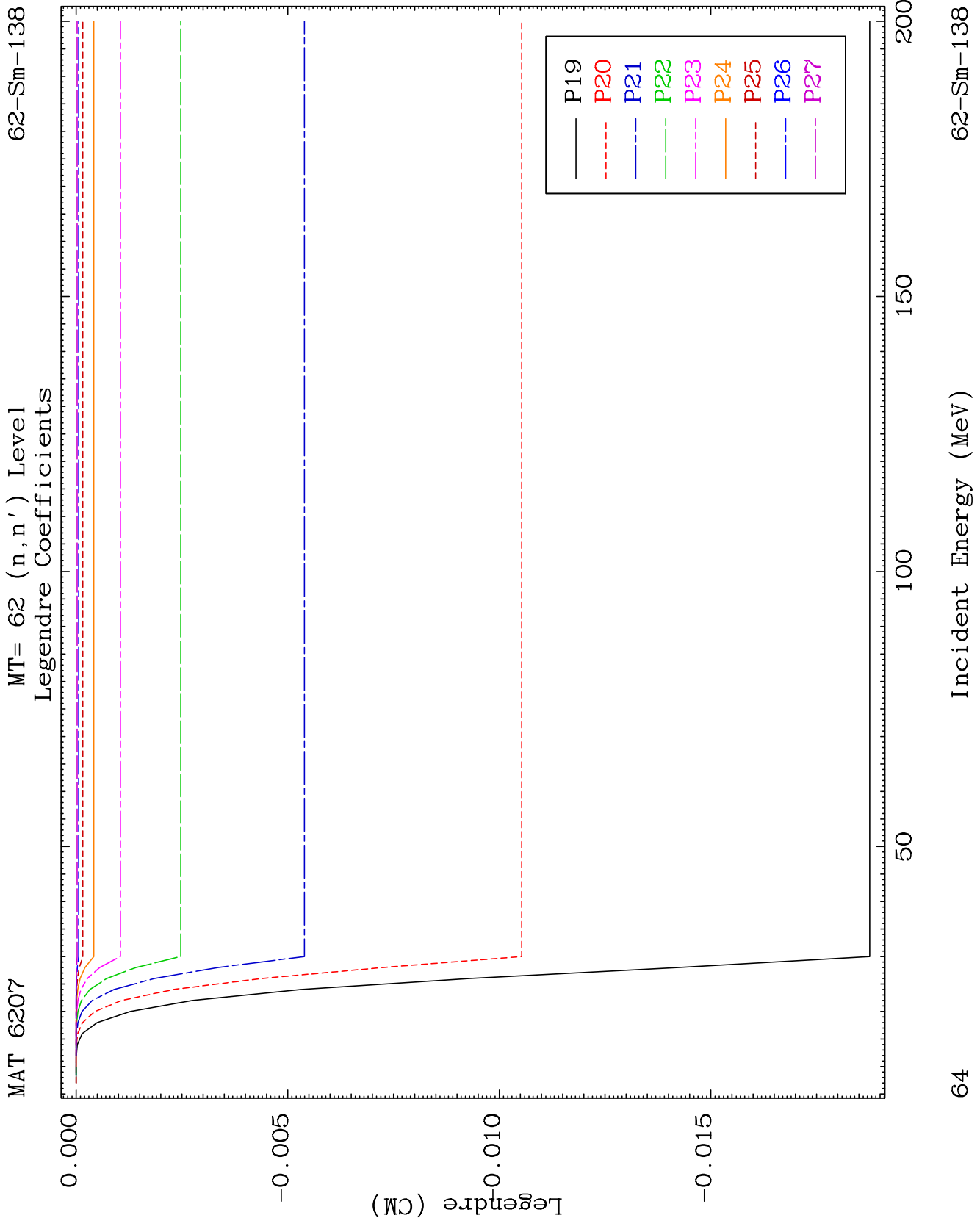
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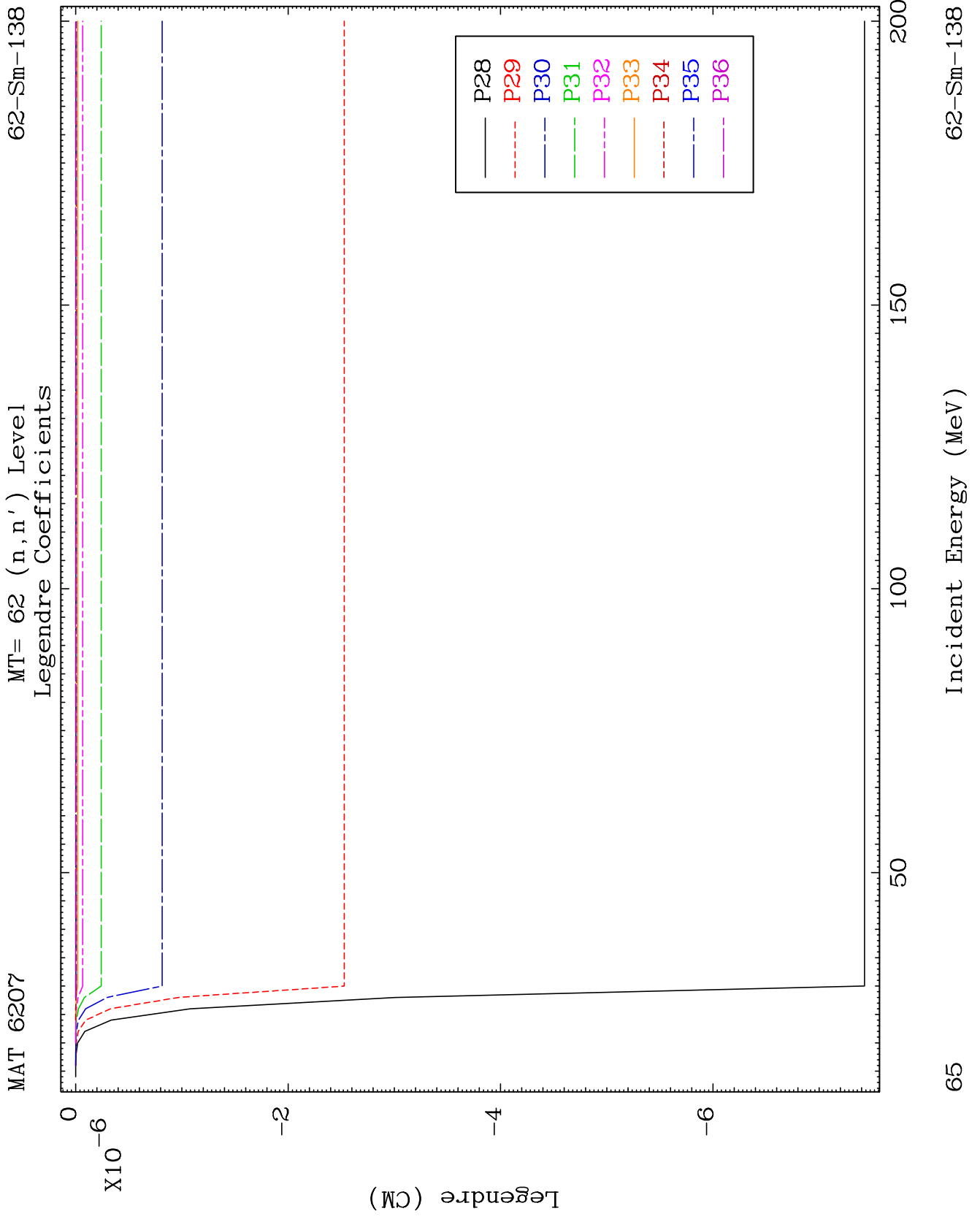


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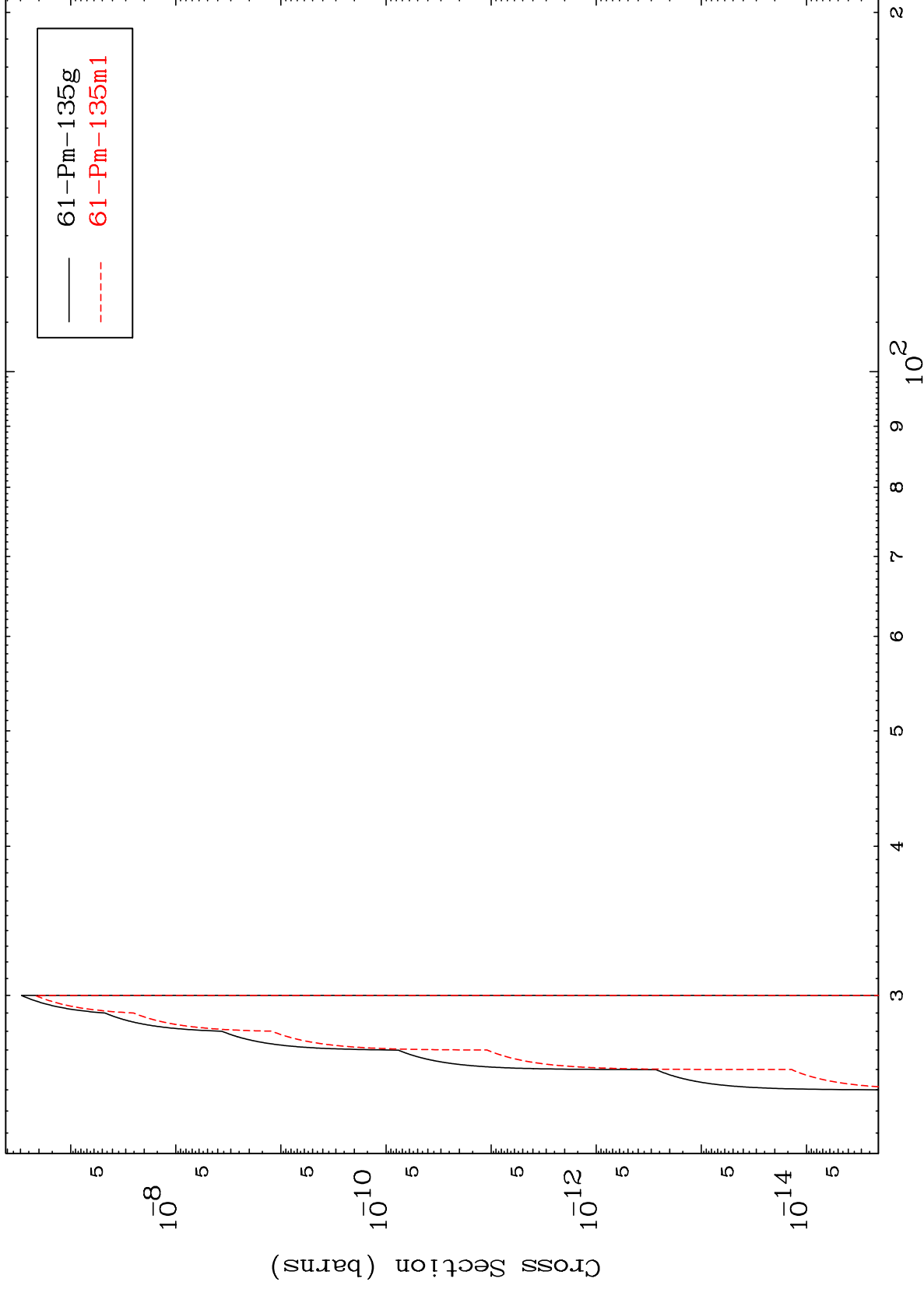
Incident Energy (MeV)

62-Sm-138





Radionuclide Production Cross Section

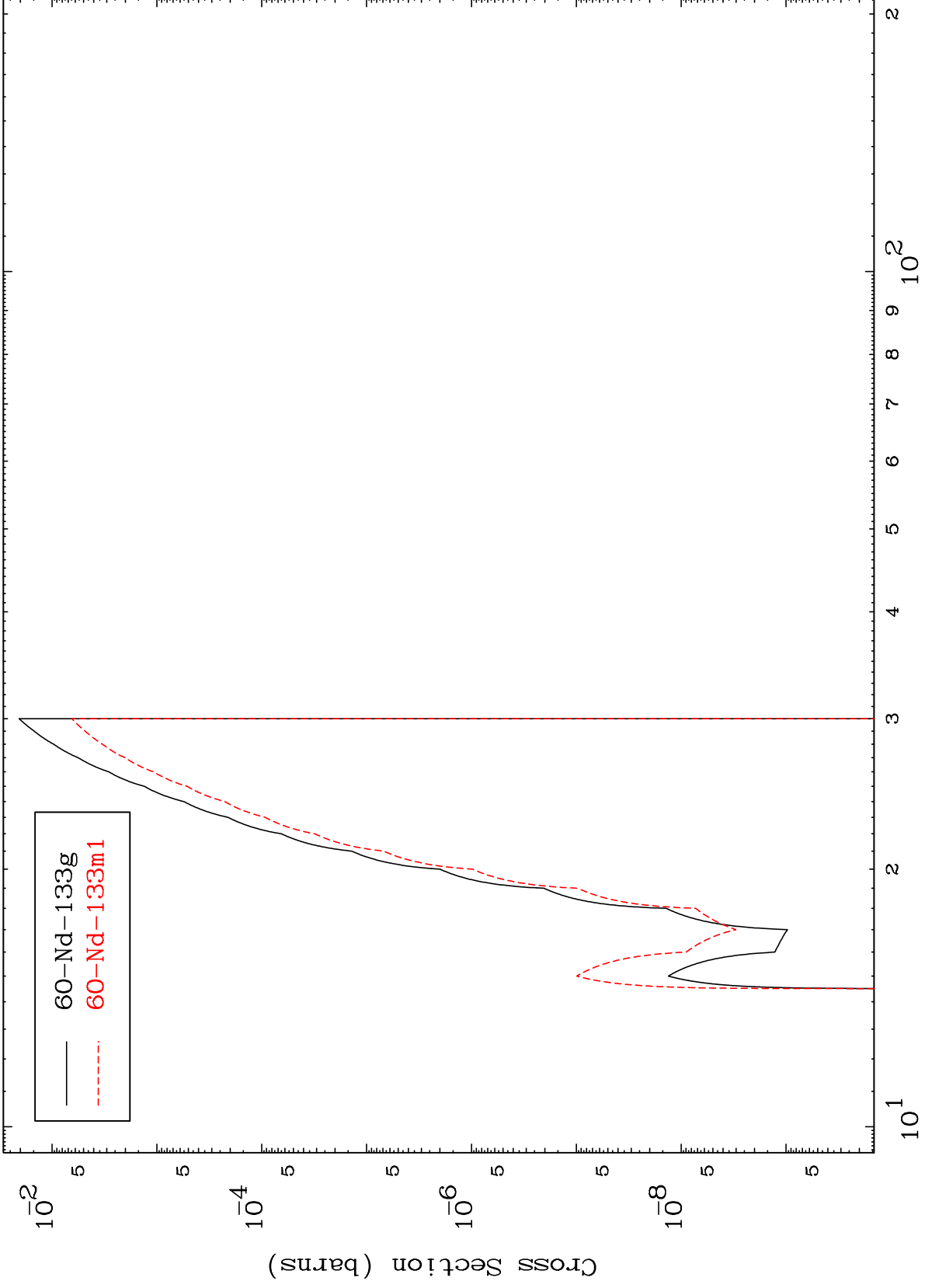


MAT 6207

(n,2n) α

62-Sm-138

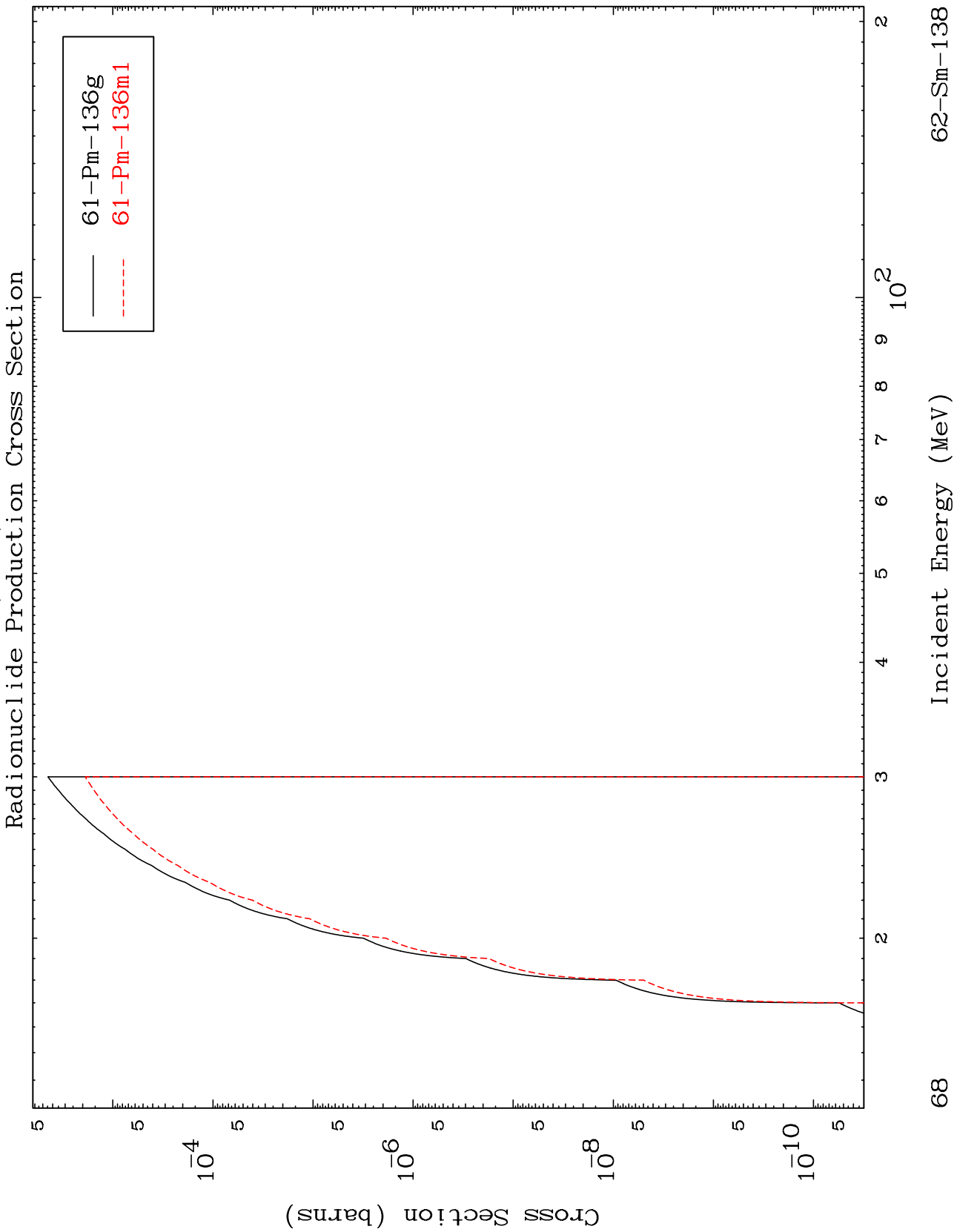
Radionuclide Production Cross Section



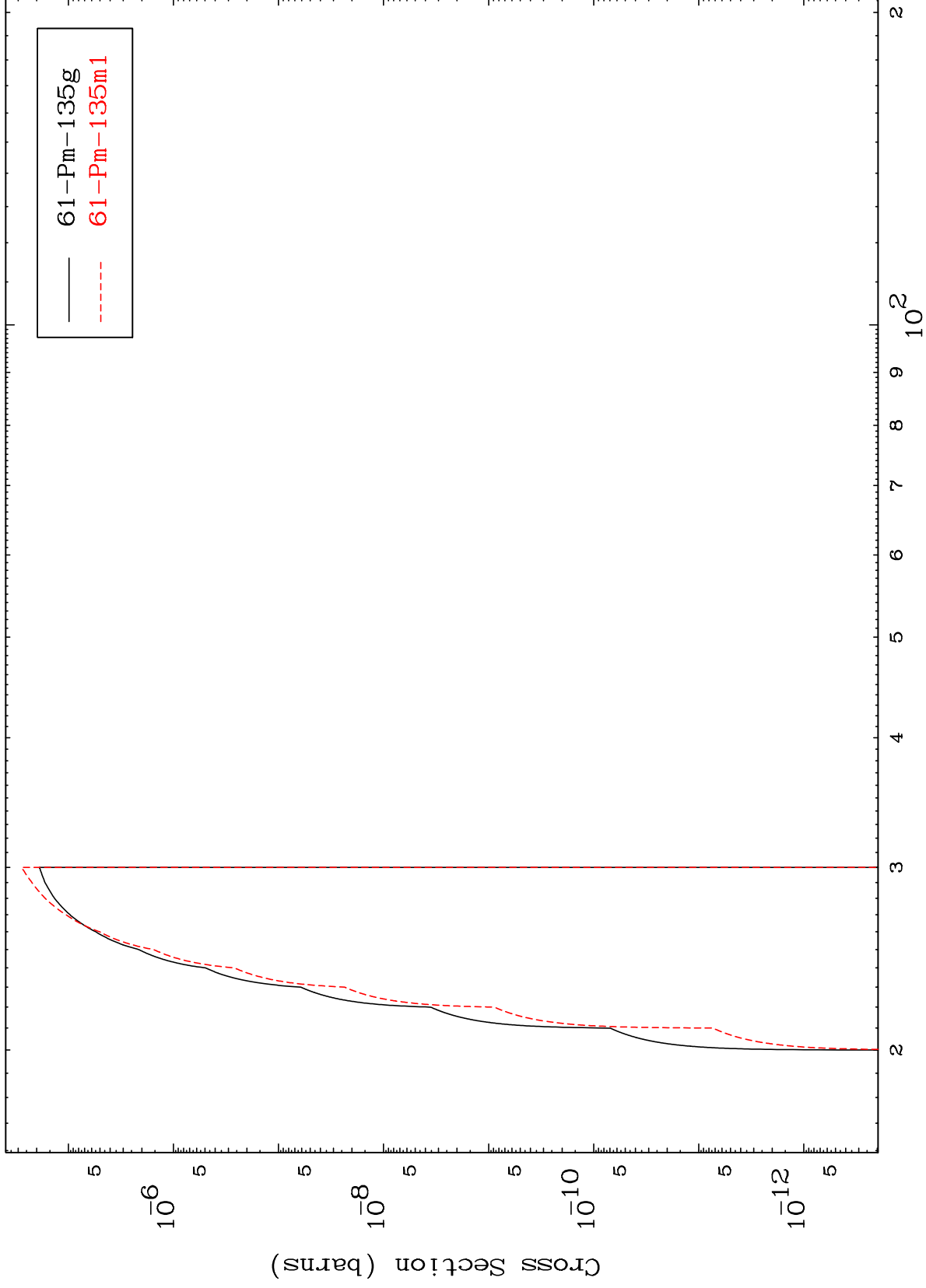
67

Incident Energy (MeV)

62-Sm-138



Radionuclide Production Cross Section

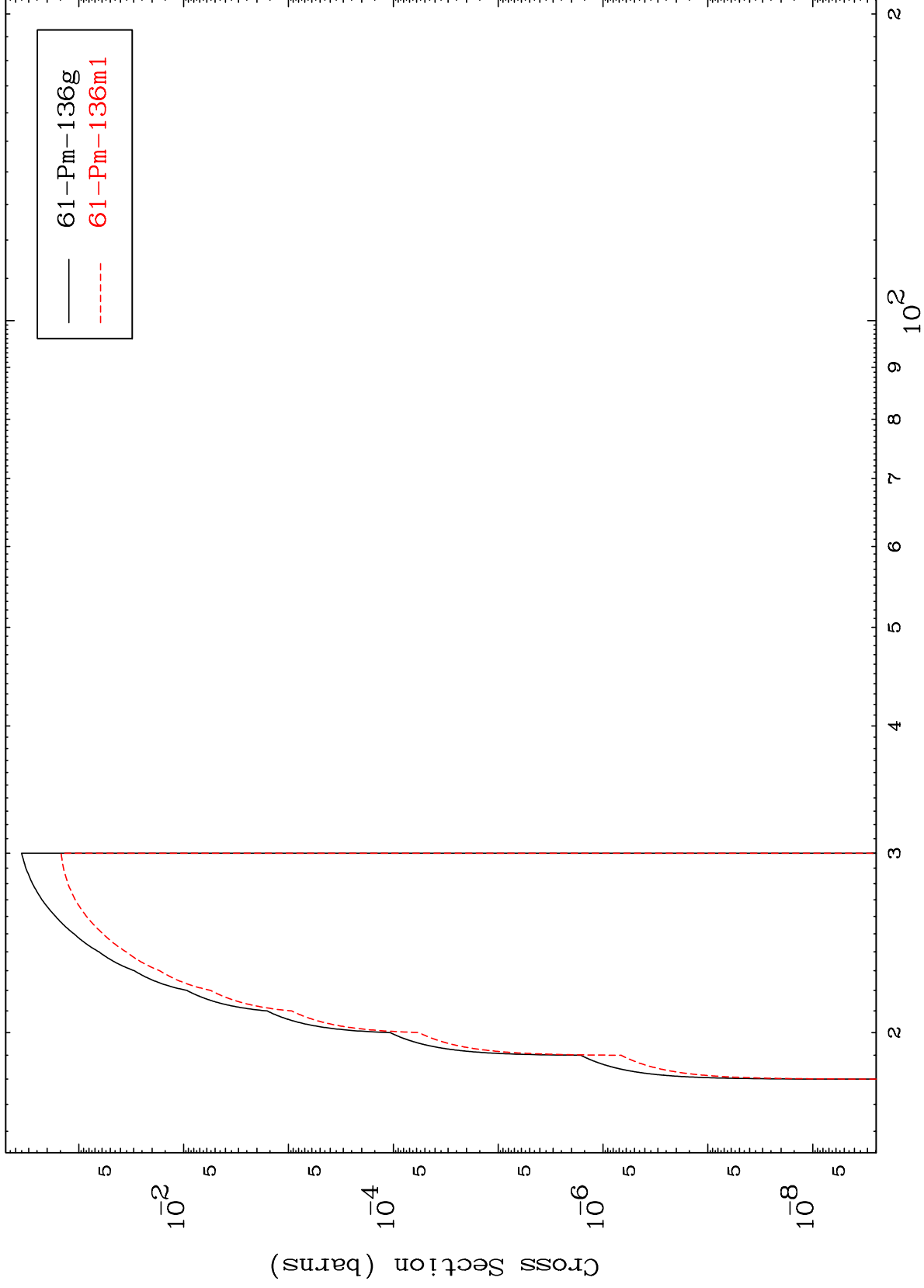


MAT 6207

(n,2n) p

62-Sm-138

Radionuclide Production Cross Section

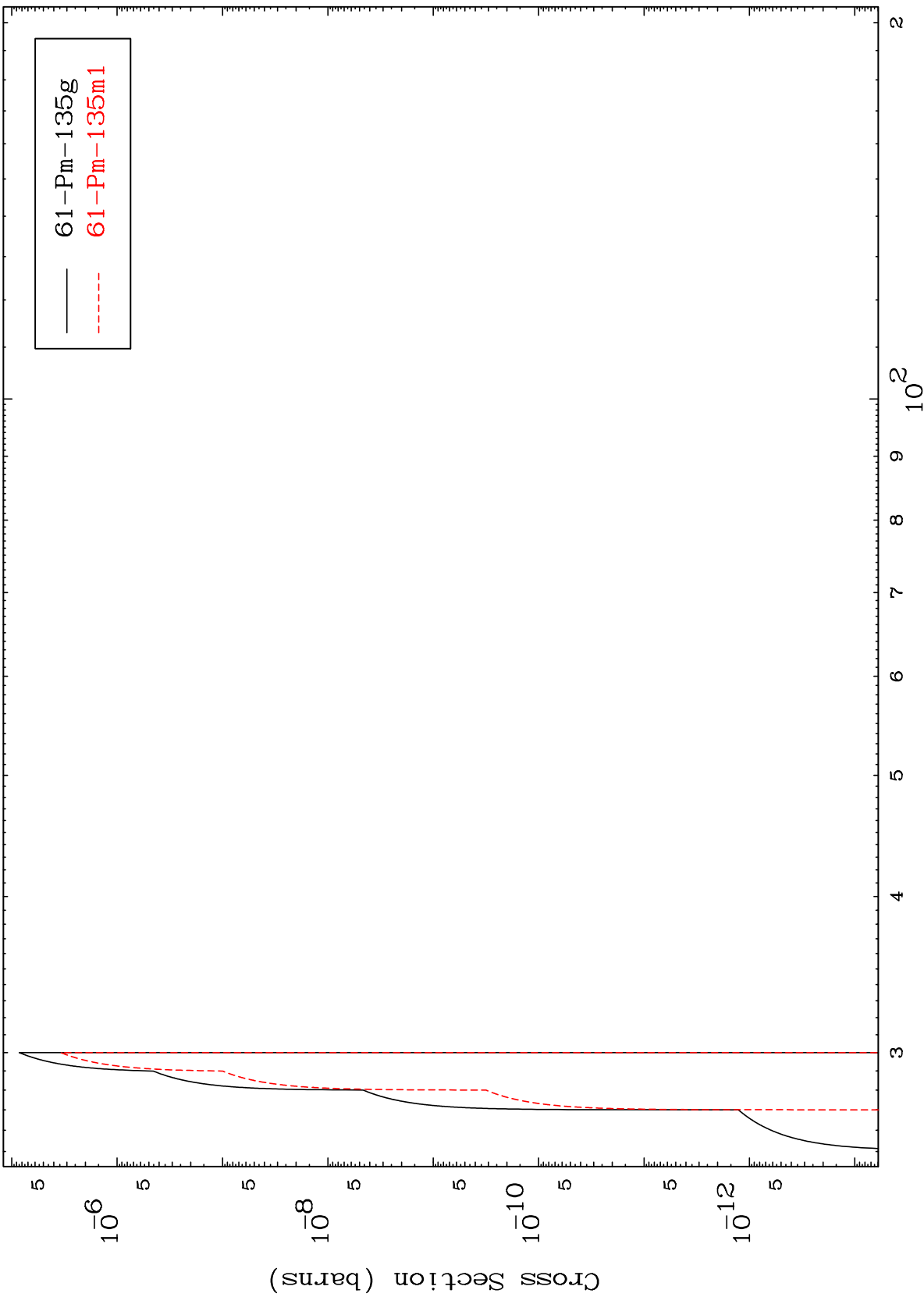


70

Incident Energy (MeV)

62-Sm-138

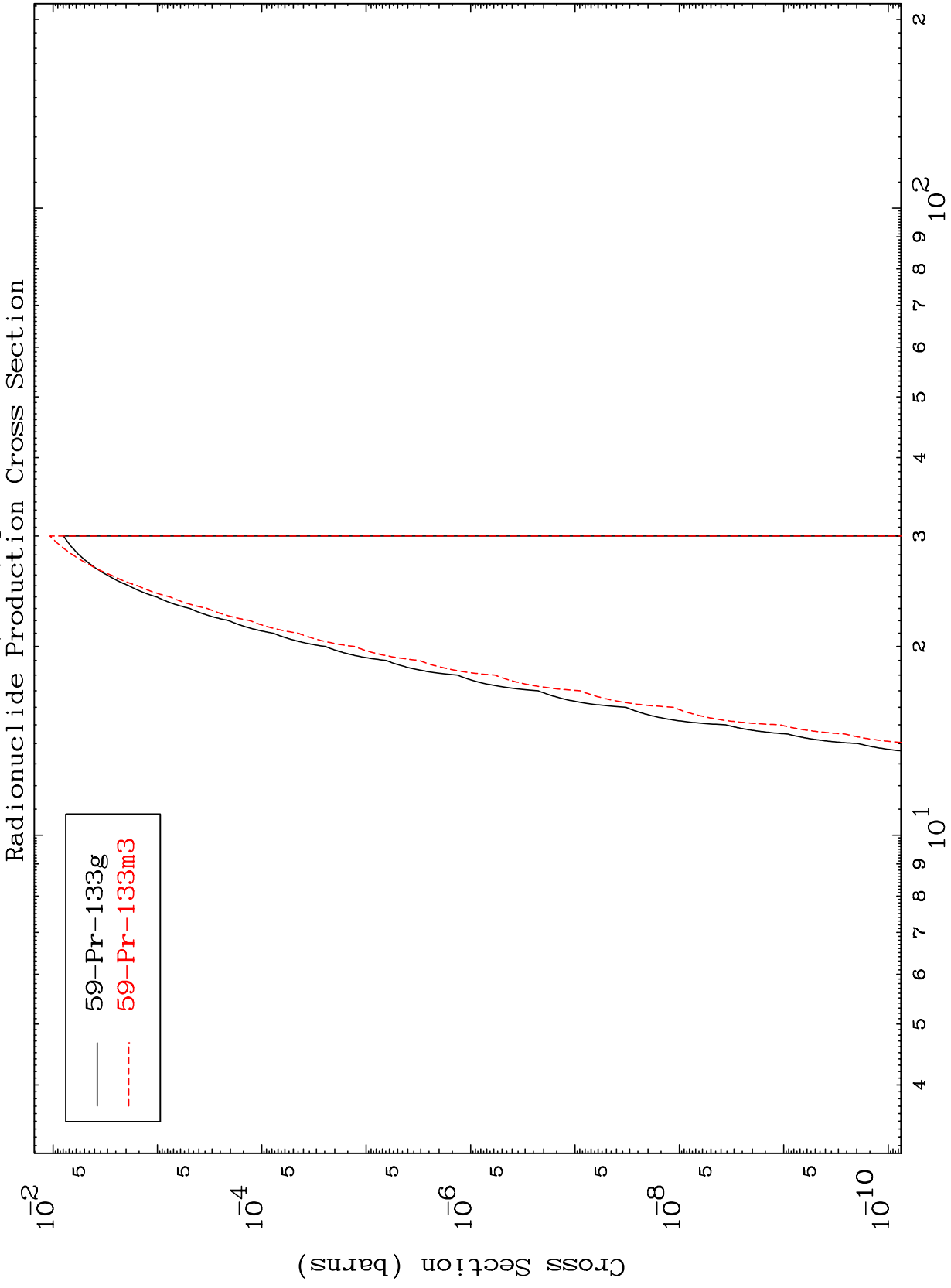
Radionuclide Production Cross Section



MAT 6207

(n,n') p α

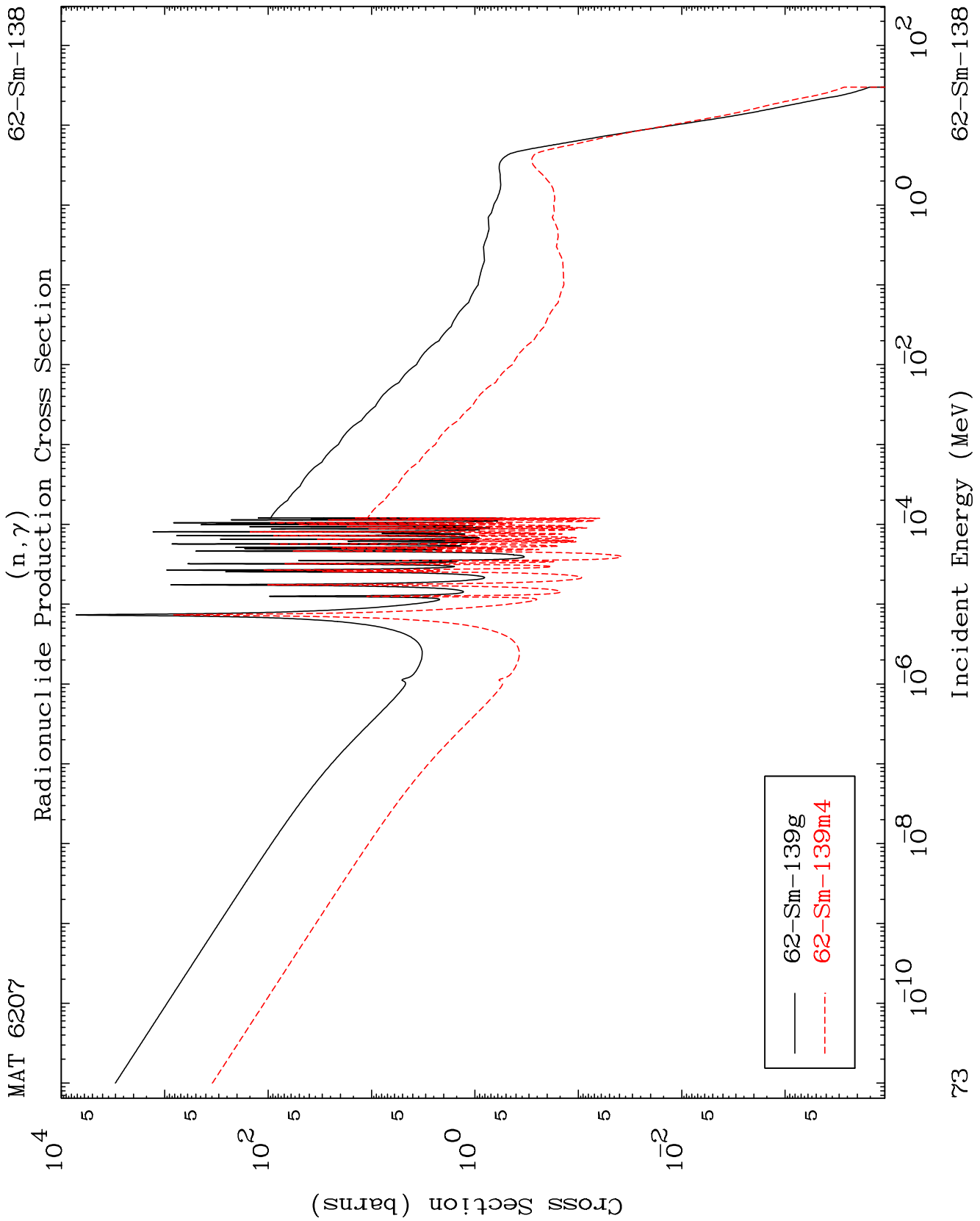
62-Sm-138



72

Incident Energy (MeV)

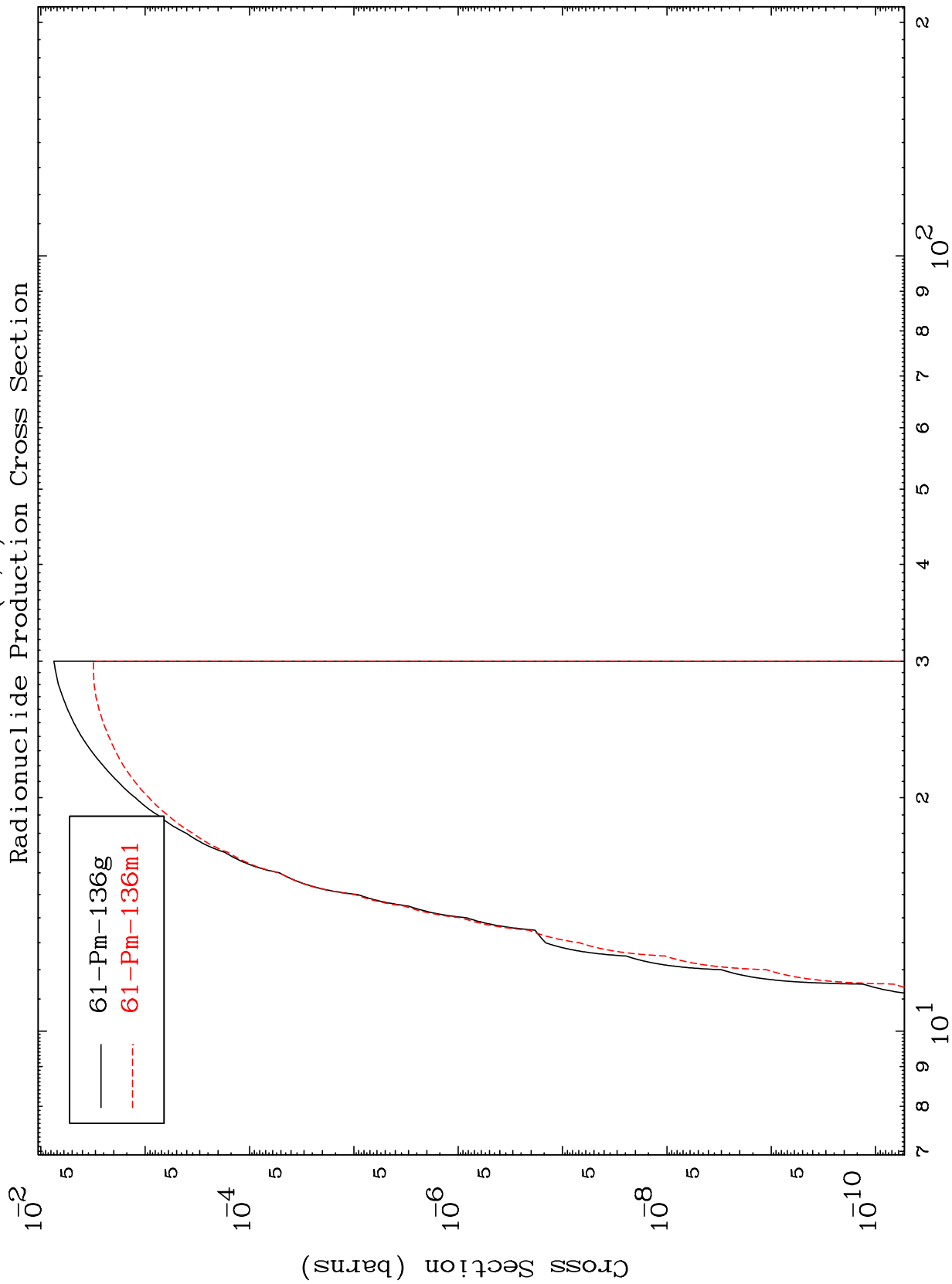
62-Sm-138



MAT 6207

62-Sm-138

(n, t)
Radionuclide Production Cross Section



74

Incident Energy (MeV)

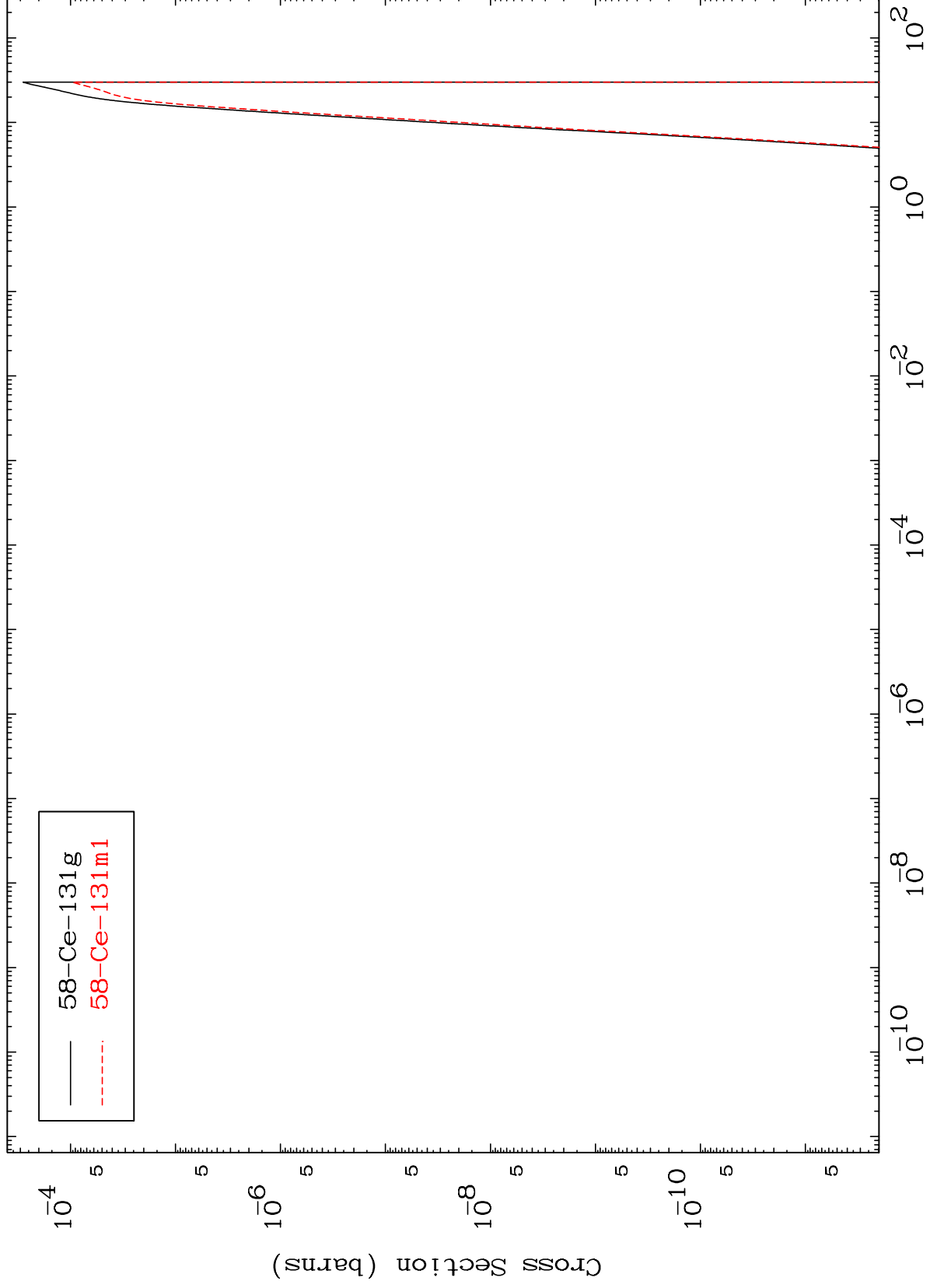
62-Sm-138

MAT 6207

(n,2α)

62-Sm-138

Radionuclide Production Cross Section



75

Incident Energy (MeV)

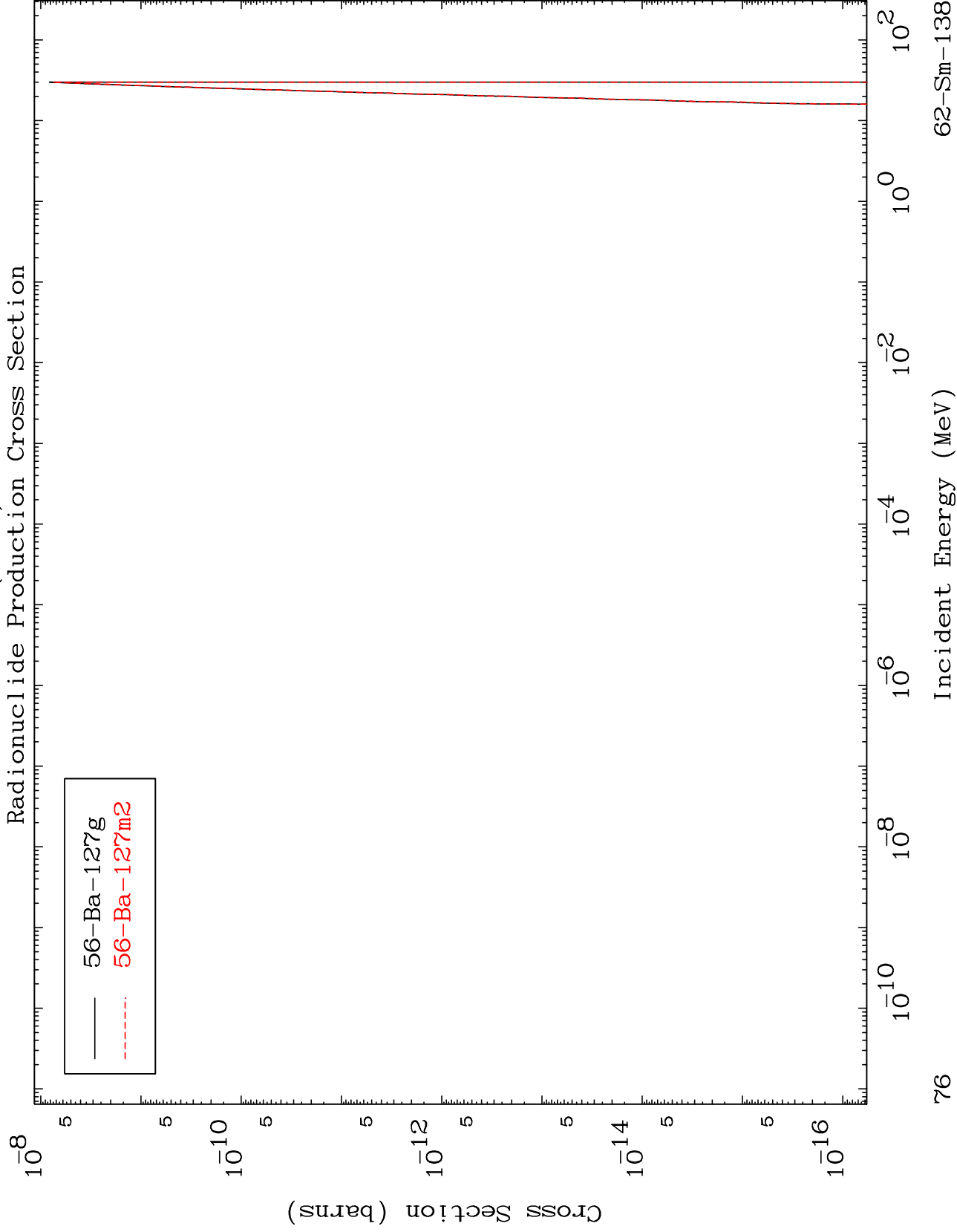
62-Sm-138

MAT 6207

(n, 3α)

62-Sm-138

Radionuclide Production Cross Section



56-Ba-127g
56-Ba-127m2

76

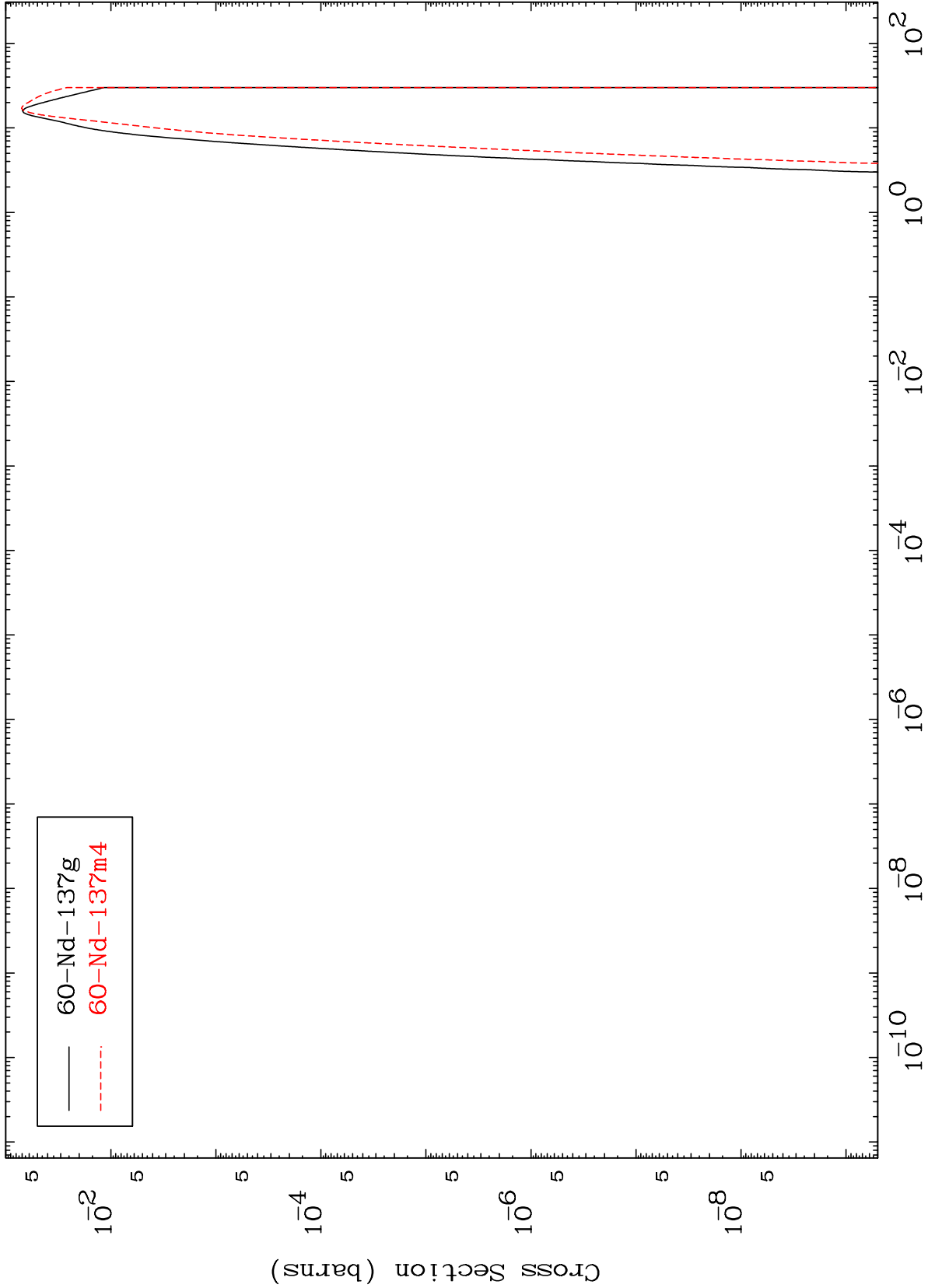
62-Sm-138

MAT 6207

(n,2p)

62-Sm-138

Radionuclide Production Cross Section



77

Incident Energy (MeV)

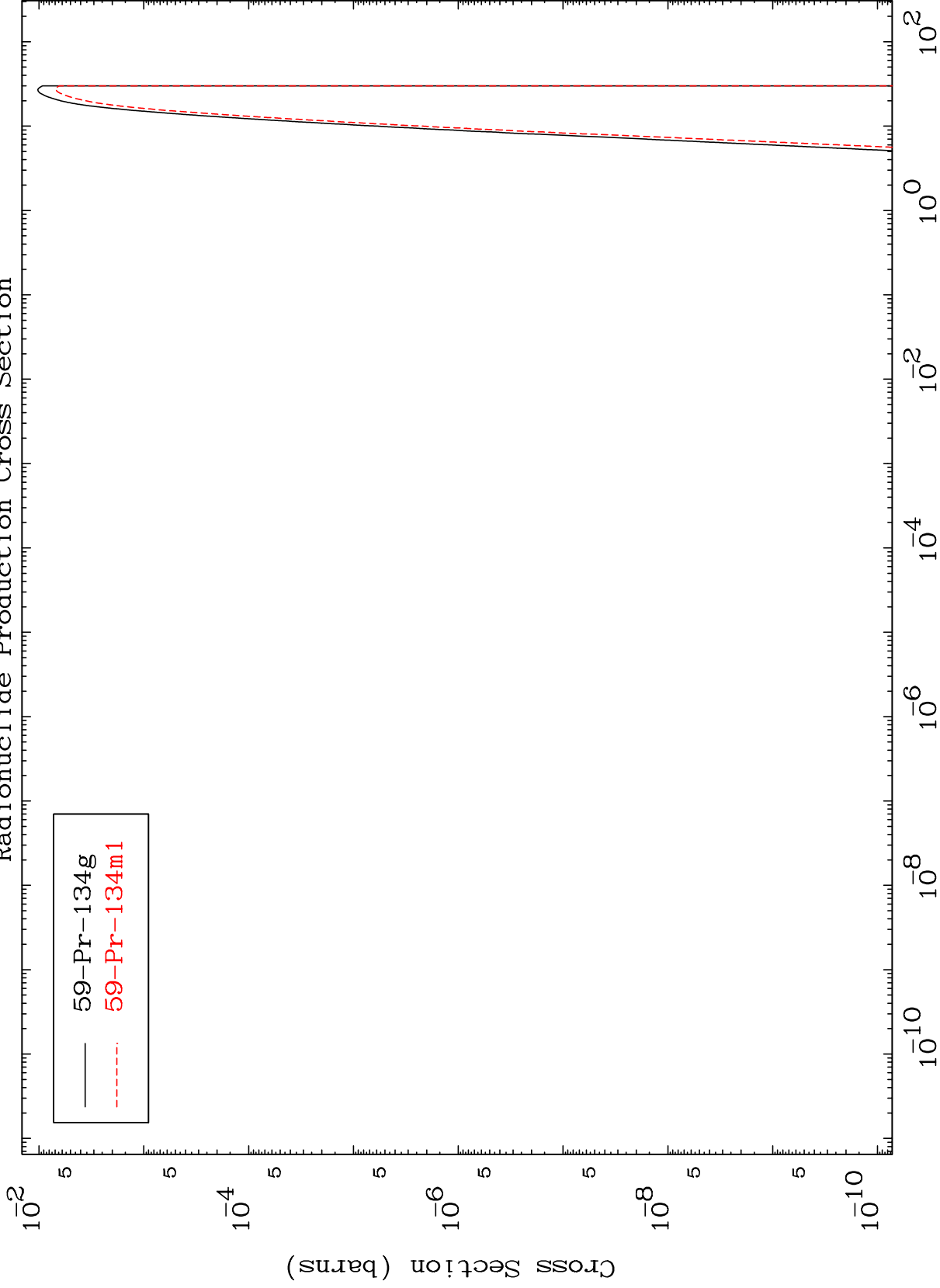
62-Sm-138

MAT 6207

(n,p) α

62-Sm-138

Radionuclide Production Cross Section



78

Incident Energy (MeV)

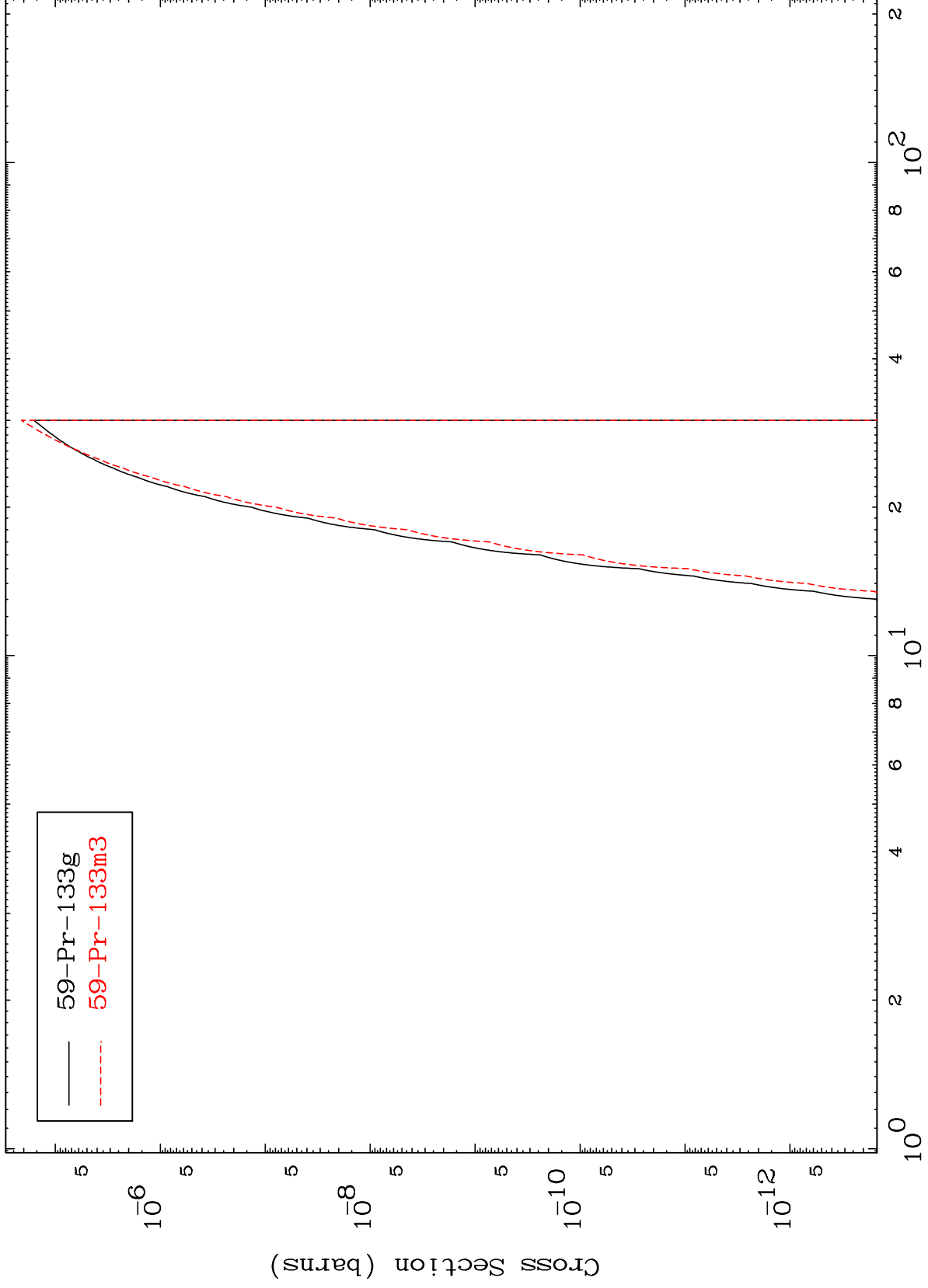
62-Sm-138

MAT 6207

(n,d) α

62-Sm-138

Radionuclide Production Cross Section



79

Incident Energy (MeV)

62-Sm-138