

Program EVALPLOT
(Version 2017-1)

by

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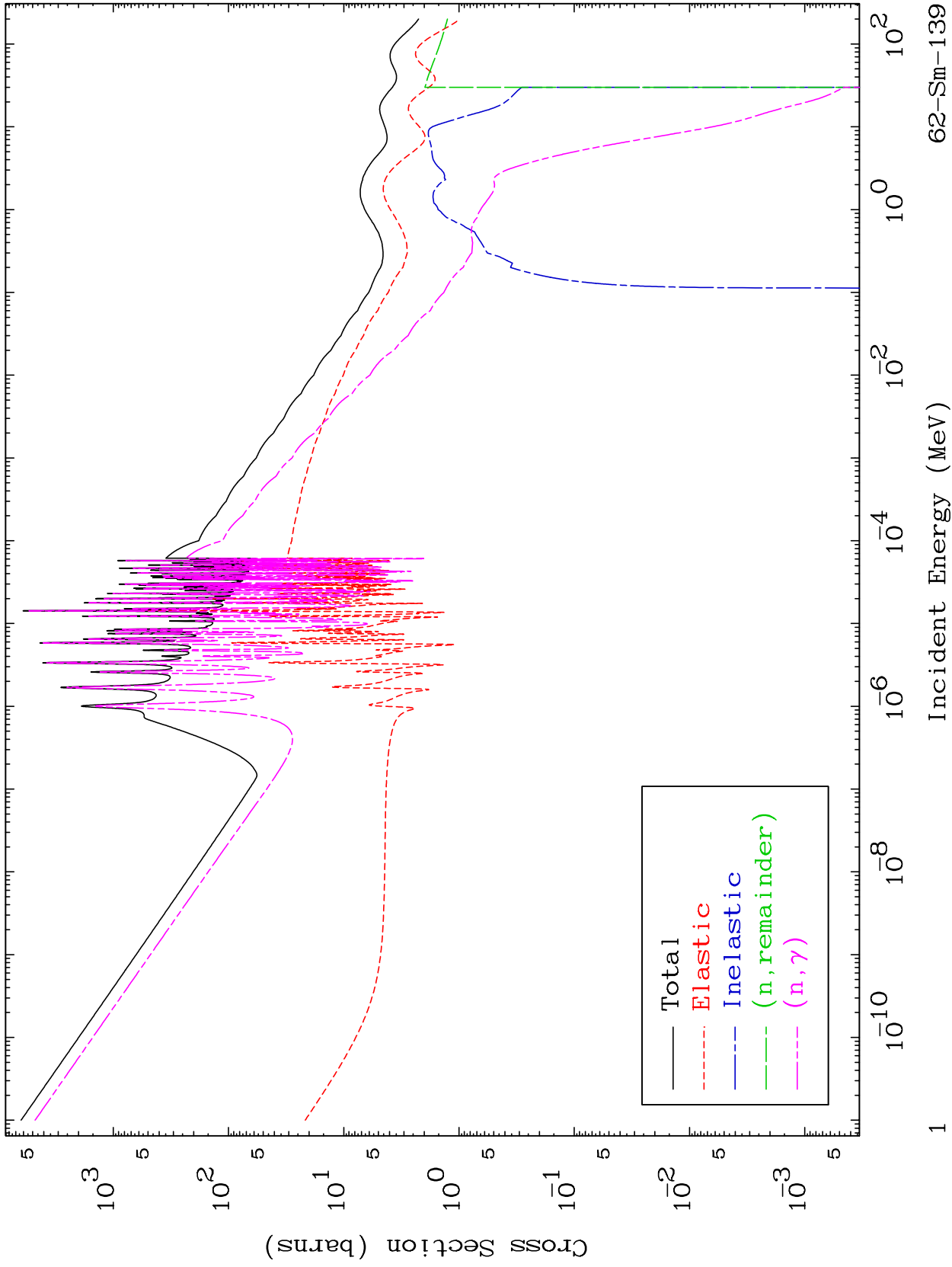
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6210

Major
293 Kelvin Cross Sections

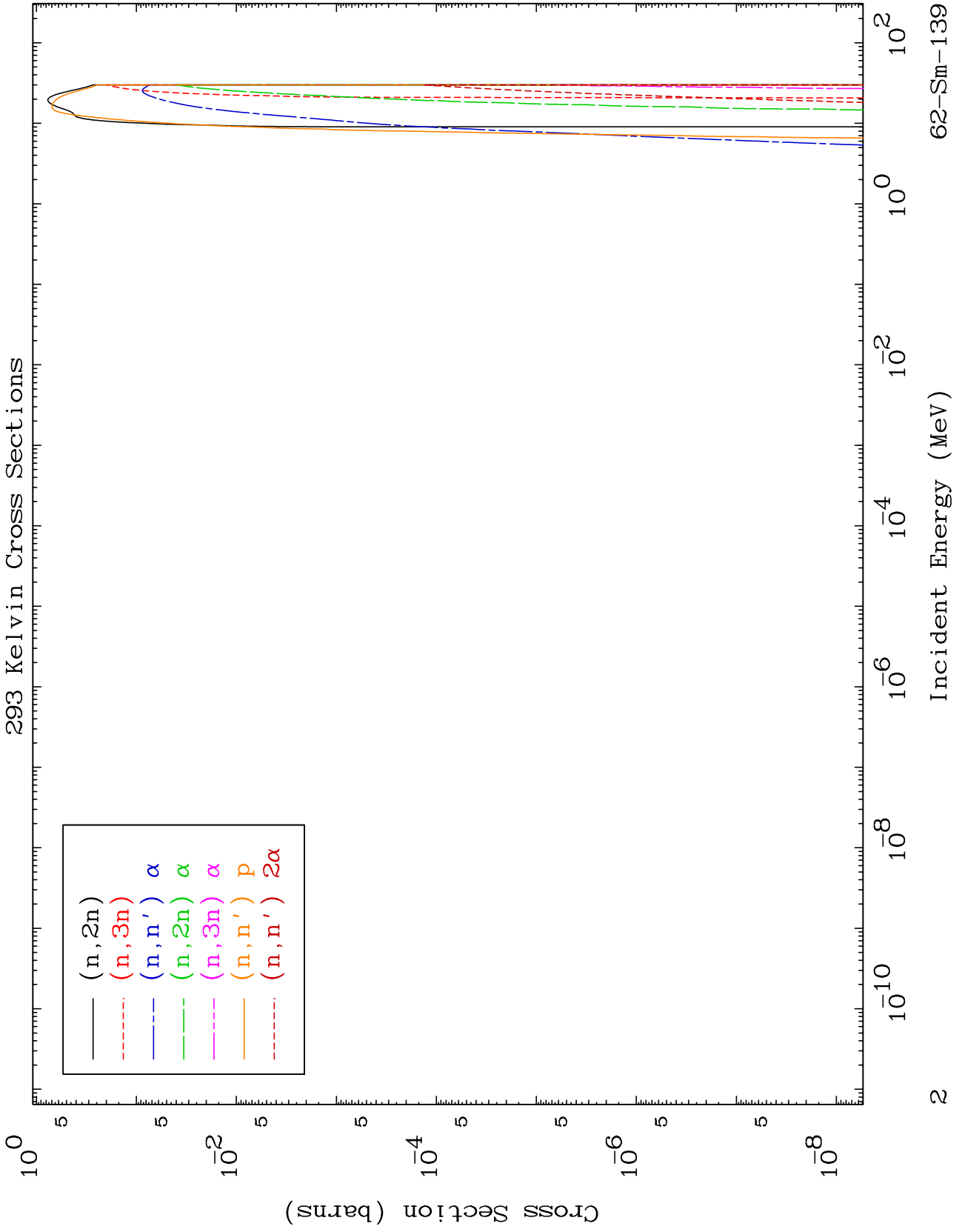
62-Sm-139



MAT 6210

Neutron Production
293 Kelvin Cross Sections

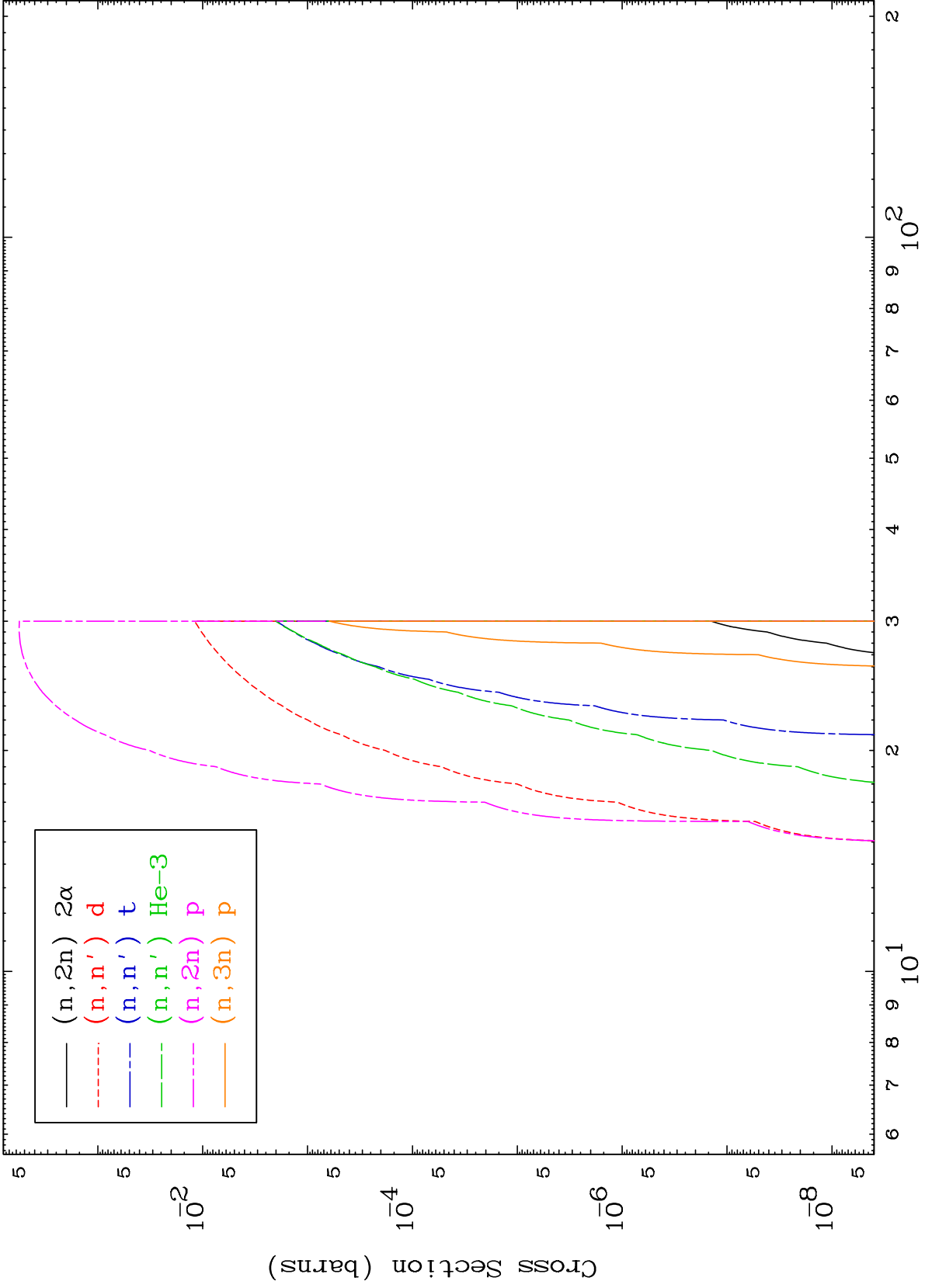
62-Sm-139



MAT 6210

Neutron Production
293 Kelvin Cross Sections

62-Sm-139



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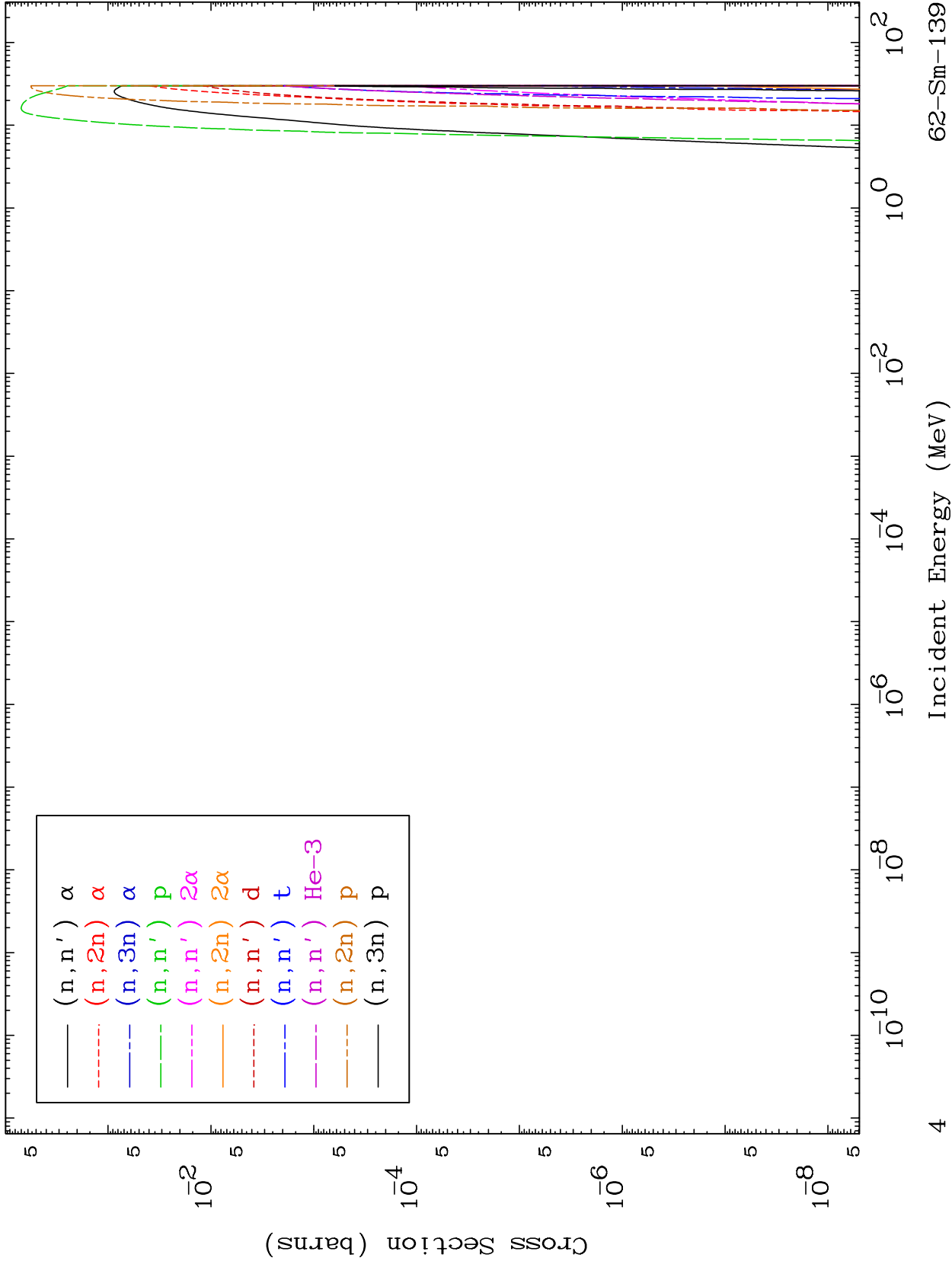
Incident Energy (MeV)

62-Sm-139

MAT 6210

Charged Particle
293 Kelvin Cross Sections

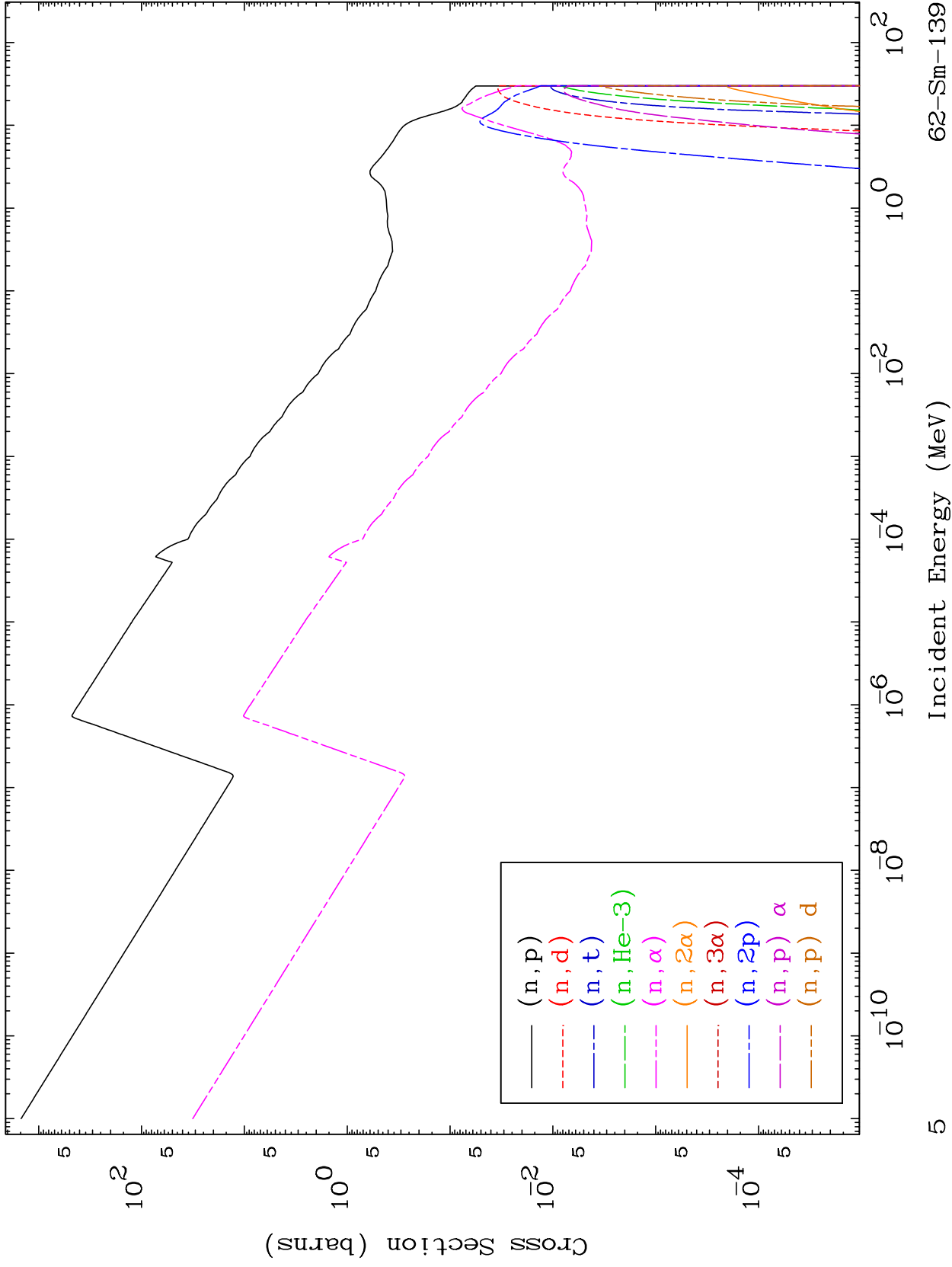
62-Sm-139



MAT 6210

Charged Particle
293 Kelvin Cross Sections

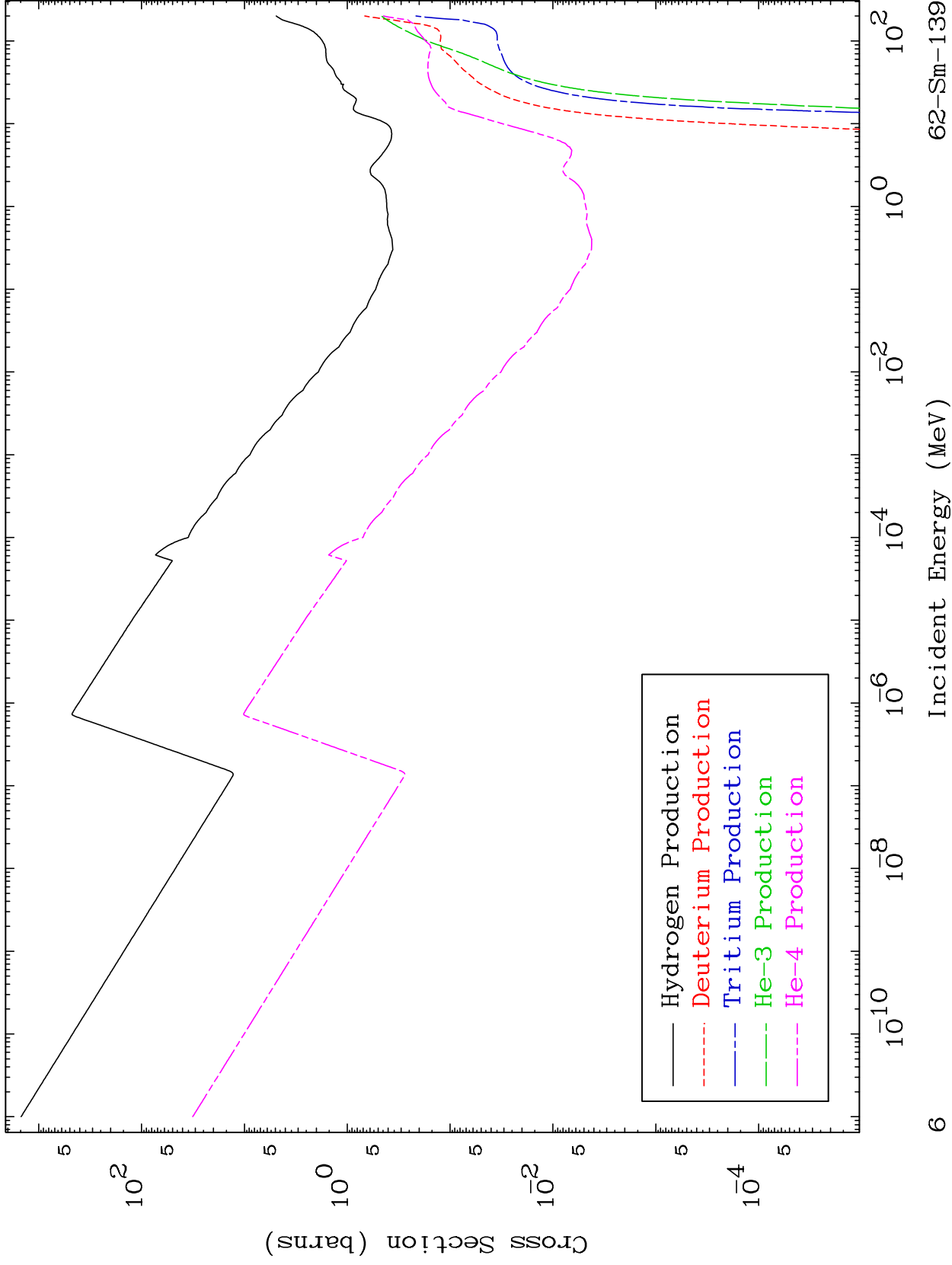
62-Sm-139



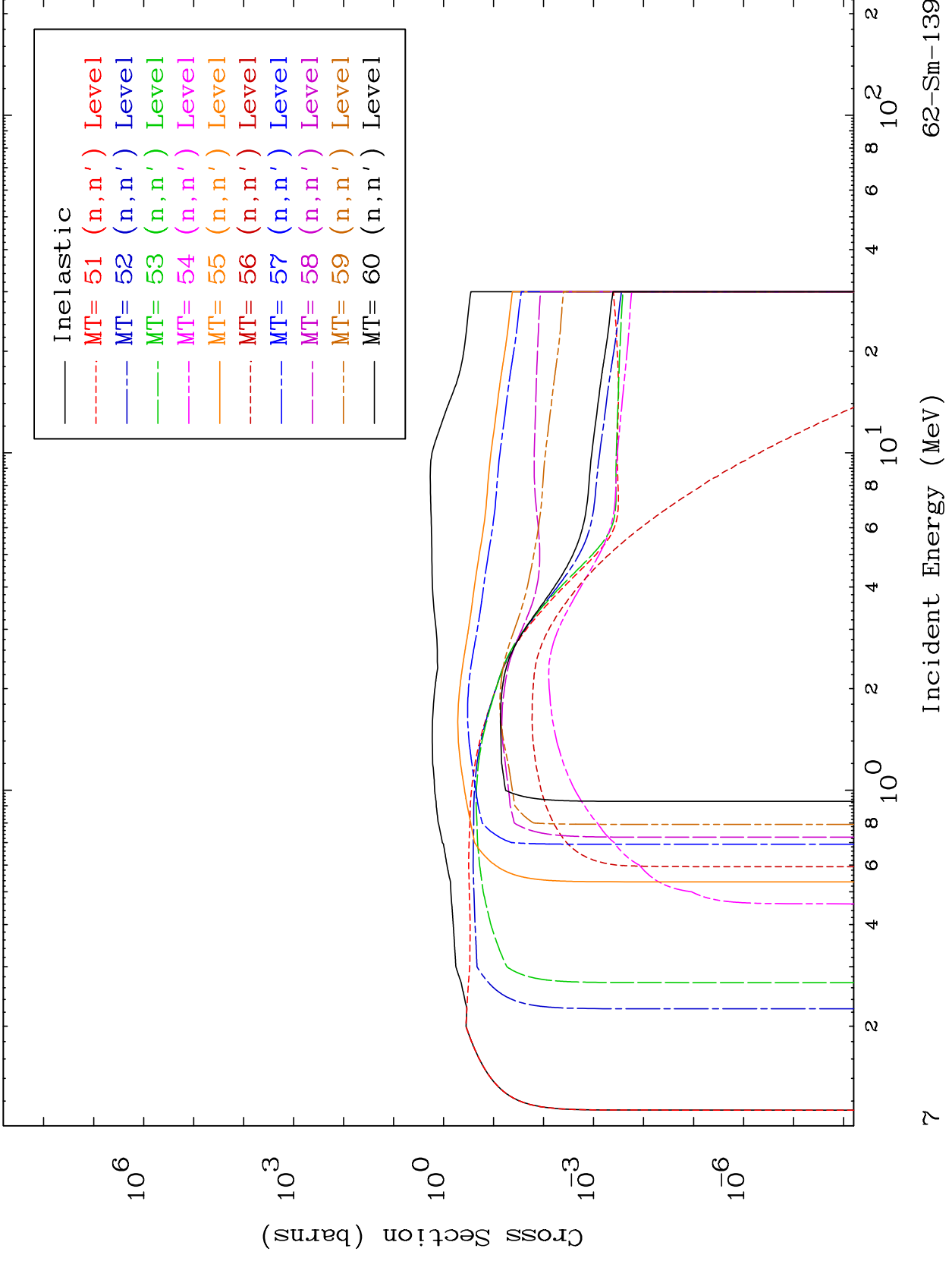
MAT 6210

Particle Production
293 Kelvin Cross Sections

62-Sm-139



293 Kelvin Cross Sections

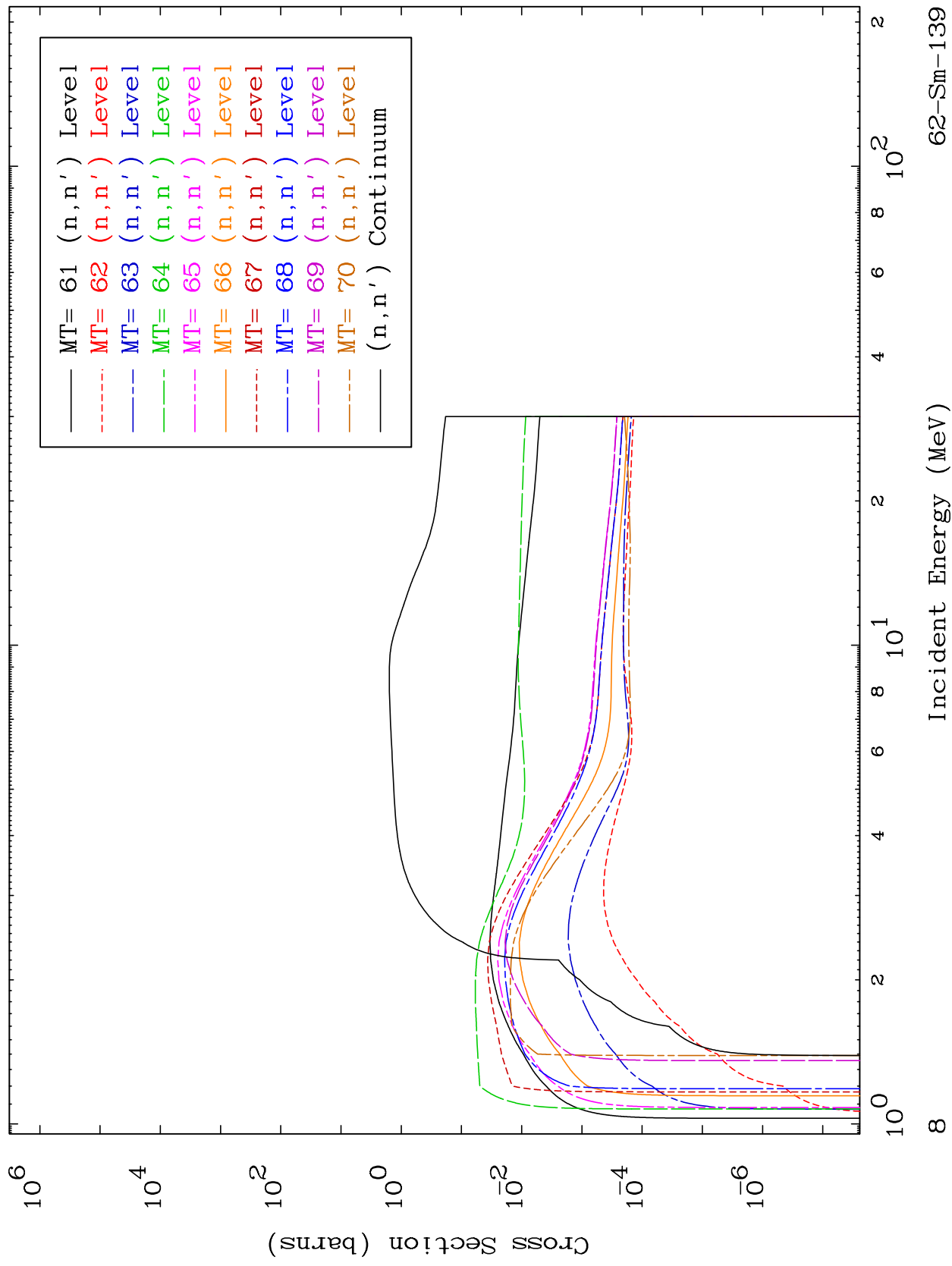


MAT 6210

(n,n') Level

62-Sm-139

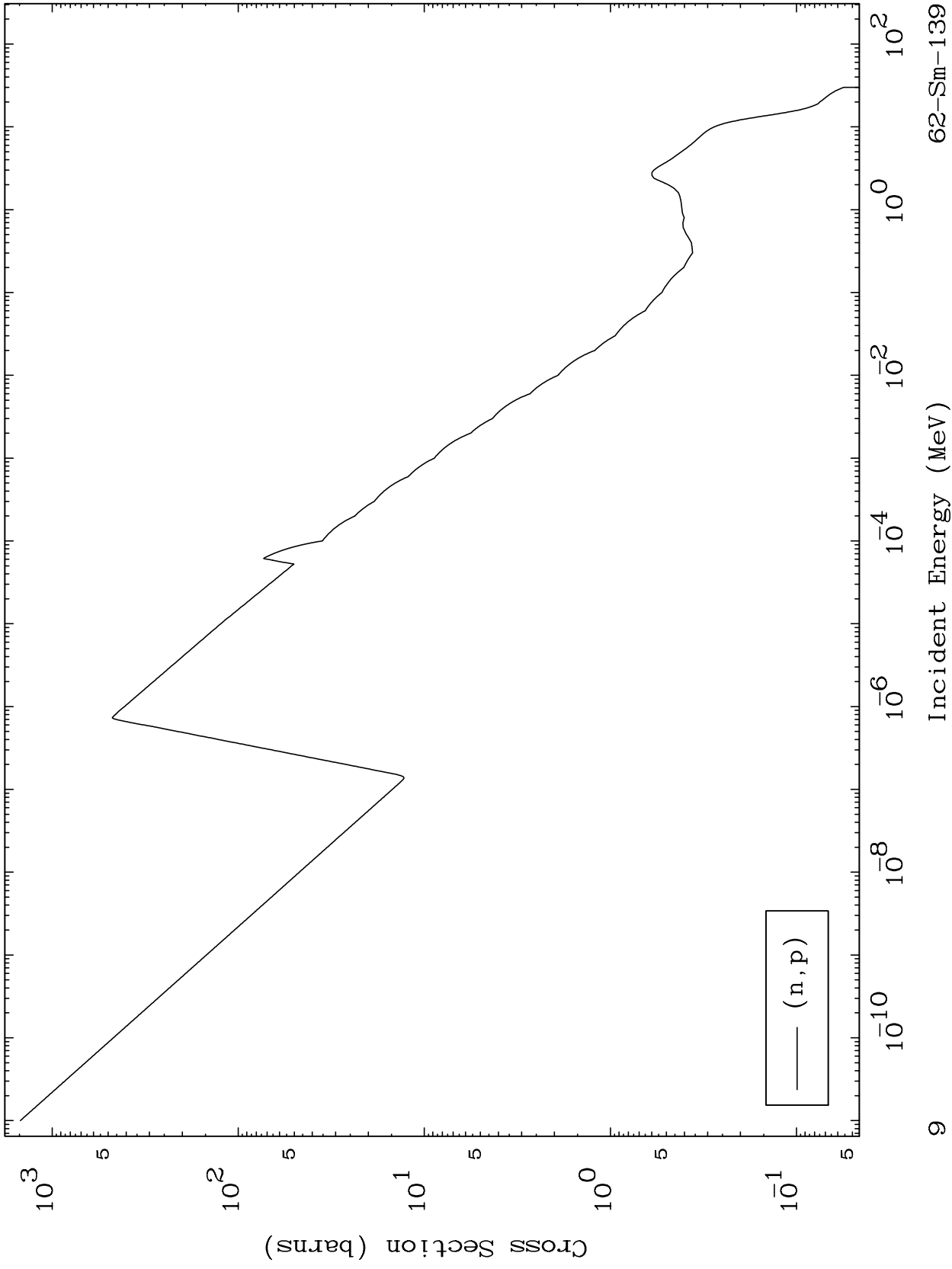
293 Kelvin Cross Sections



MAT 6210

(n,p) Levels
293 Kelvin Cross Sections

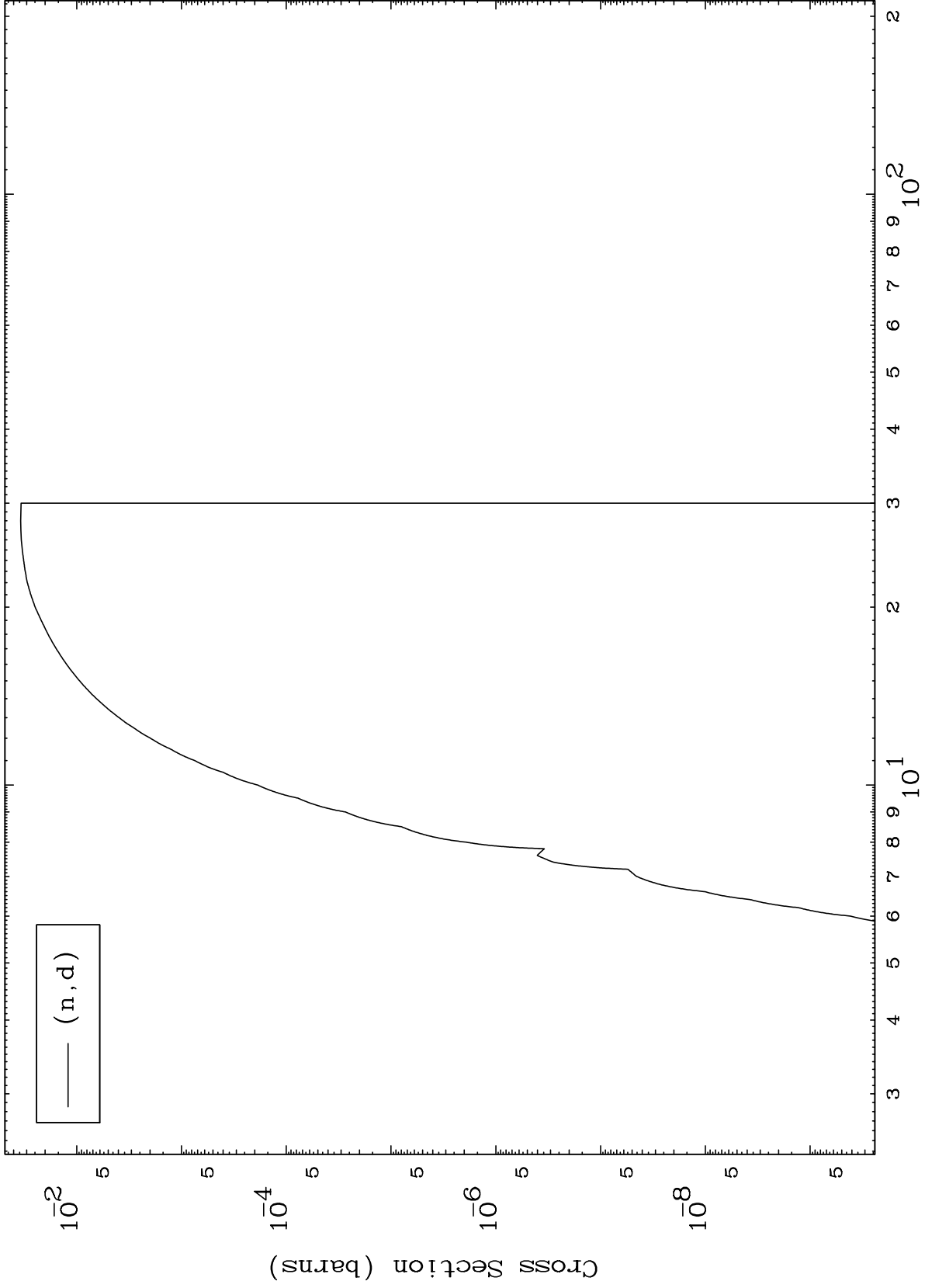
62-Sm-139



MAT 6210

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-139



10

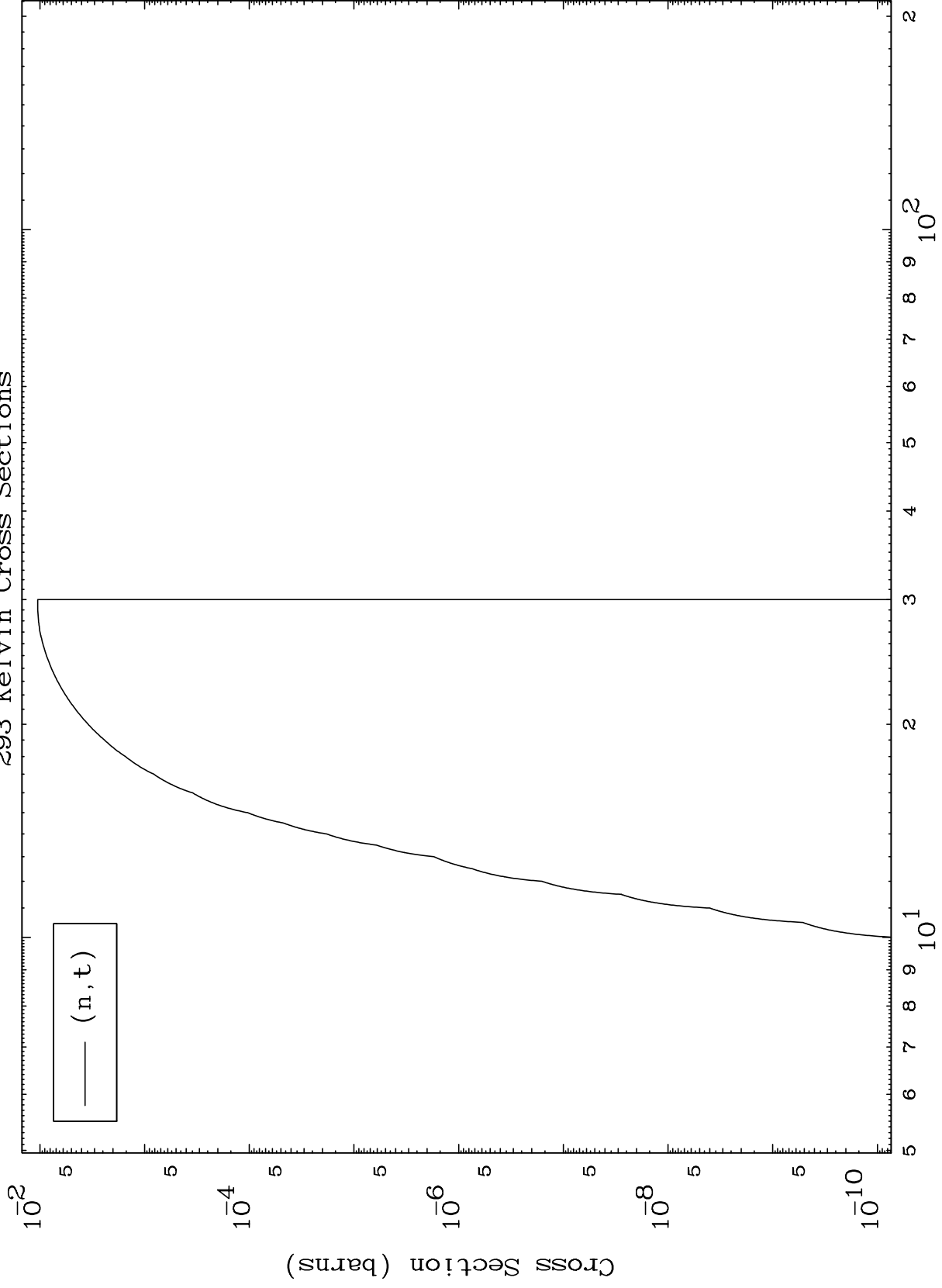
Incident Energy (MeV)

62-Sm-139

MAT 6210

(n,t) Levels
293 Kelvin Cross Sections

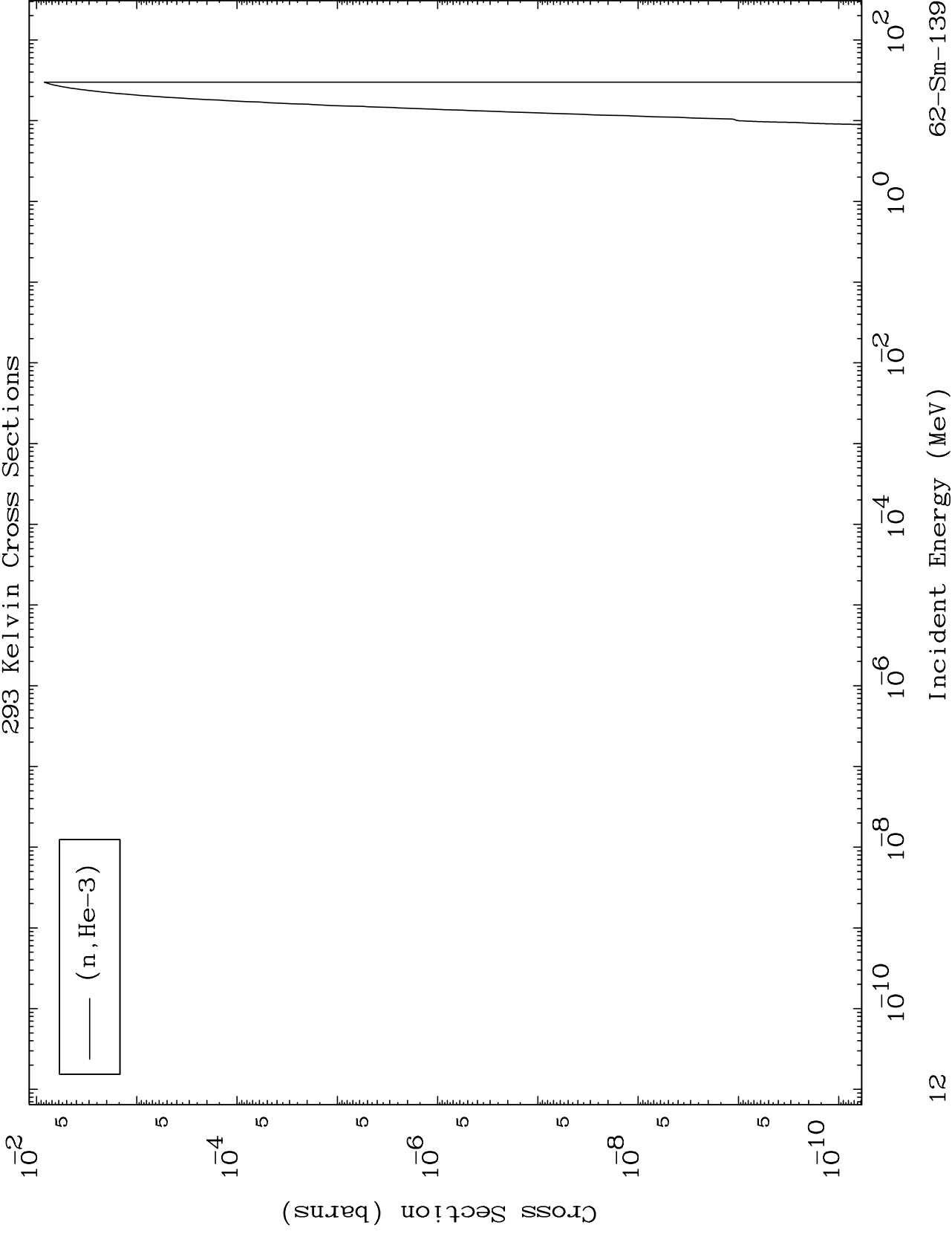
62-Sm-139



MAT 6210

(n,He3) Levels
293 Kelvin Cross Sections

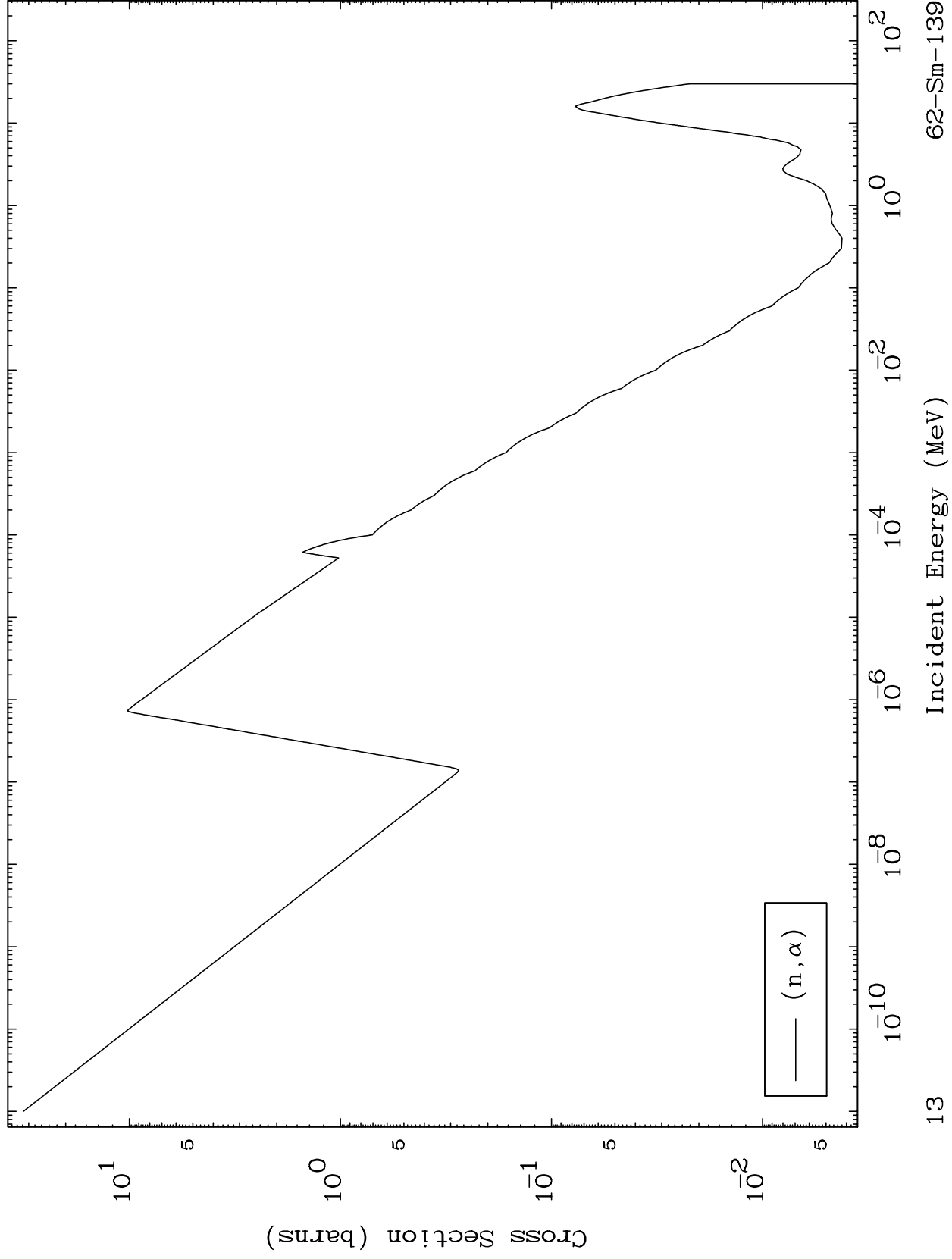
62-Sm-139

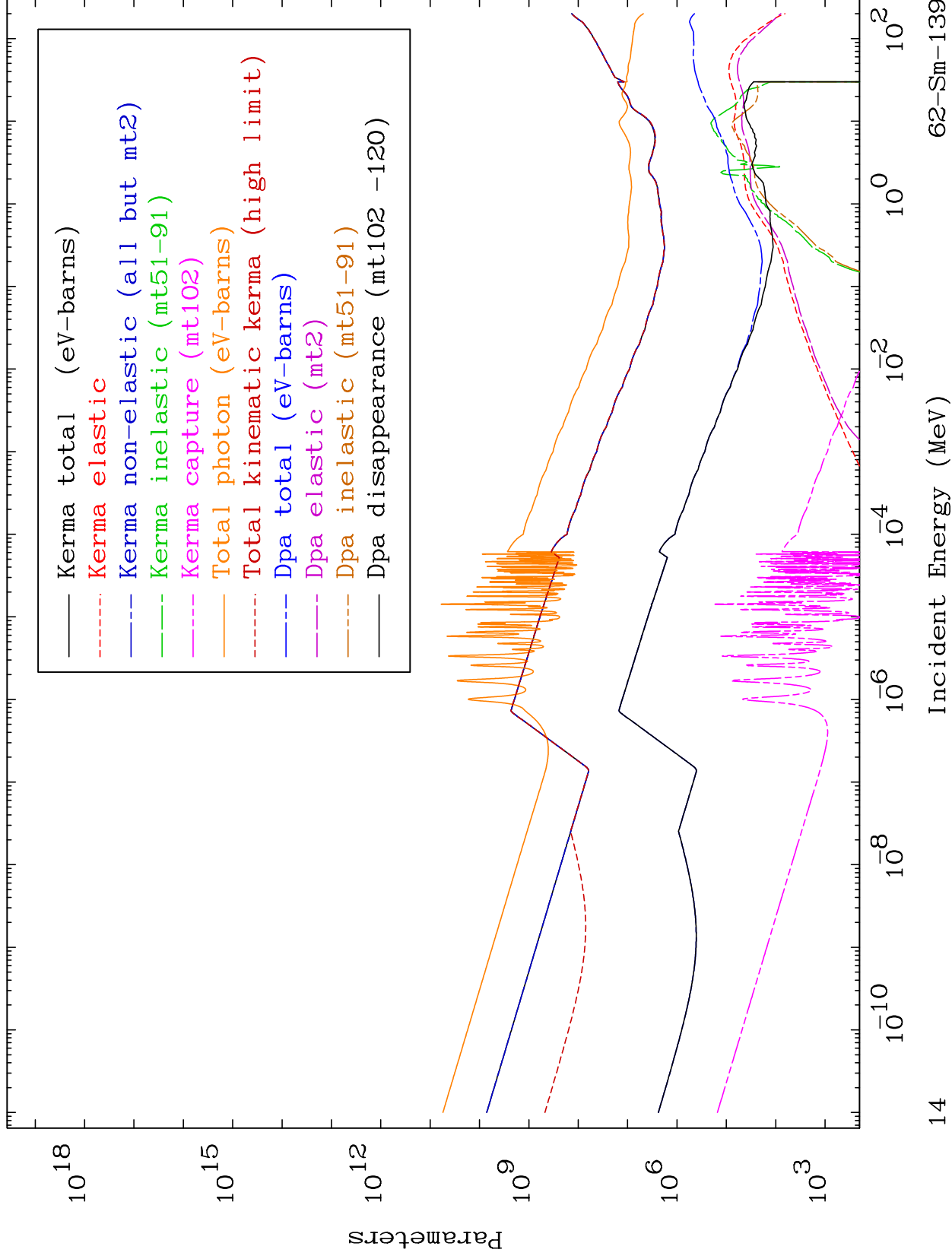


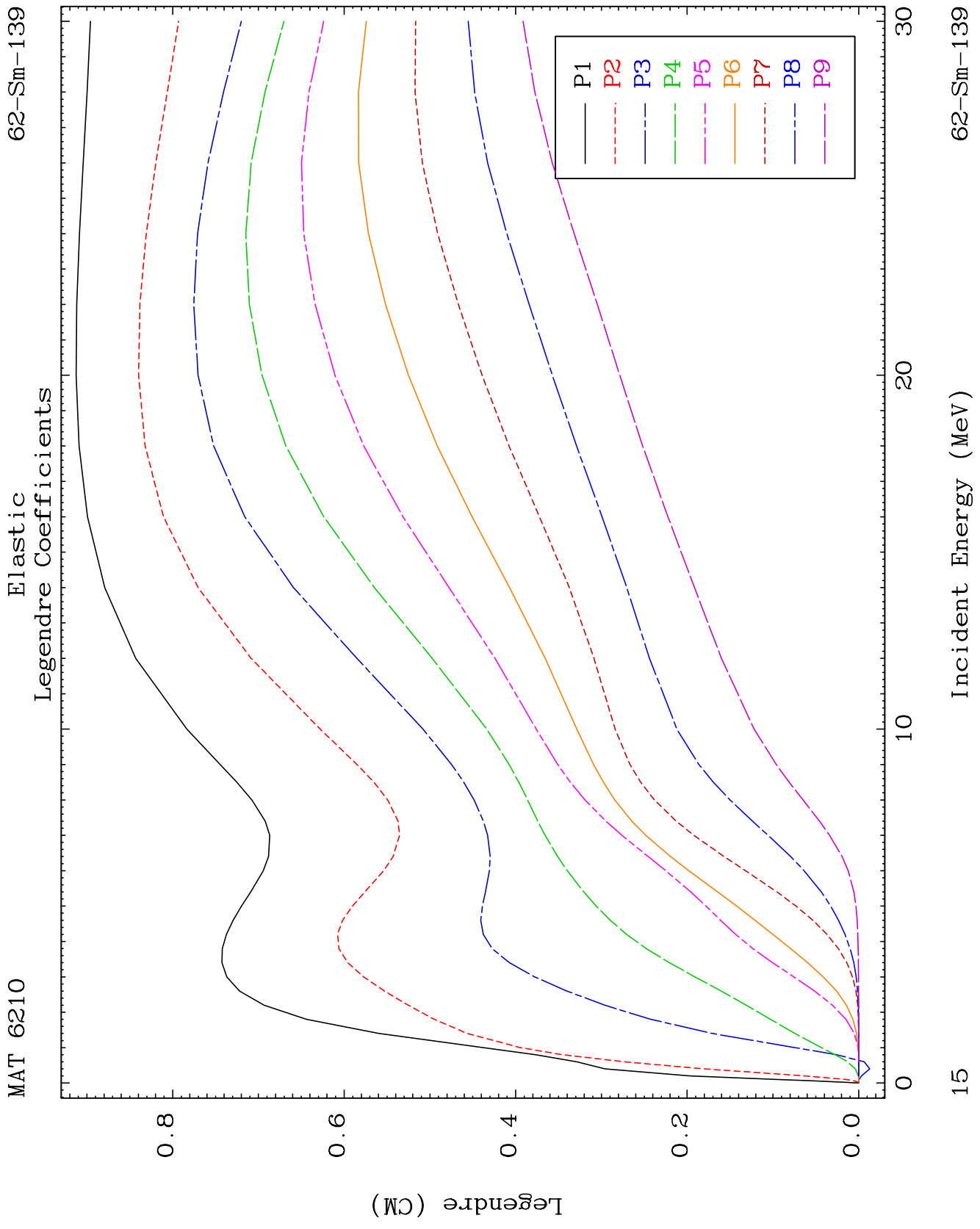
MAT 6210

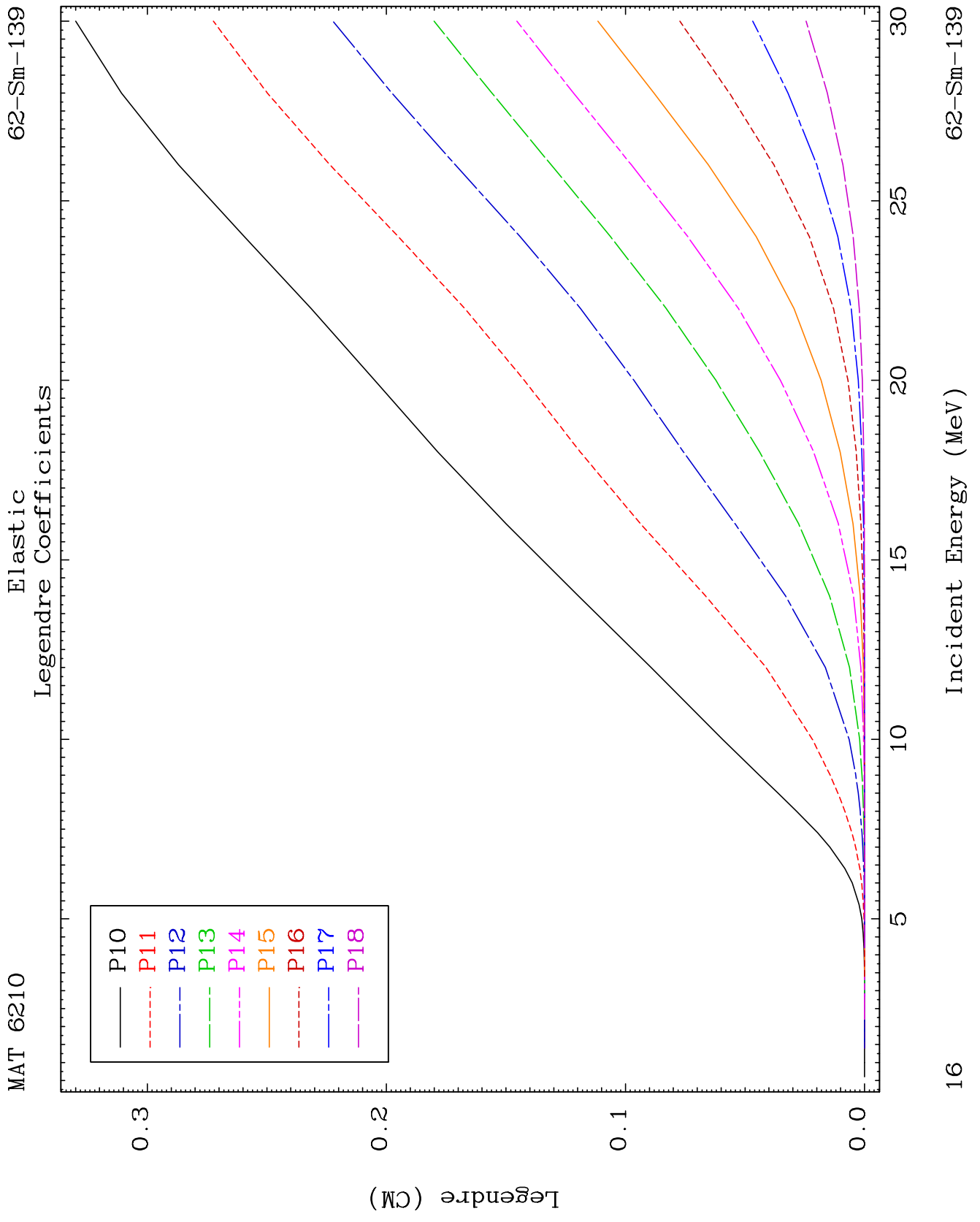
(n, α) Levels
293 Kelvin Cross Sections

62-Sm-139





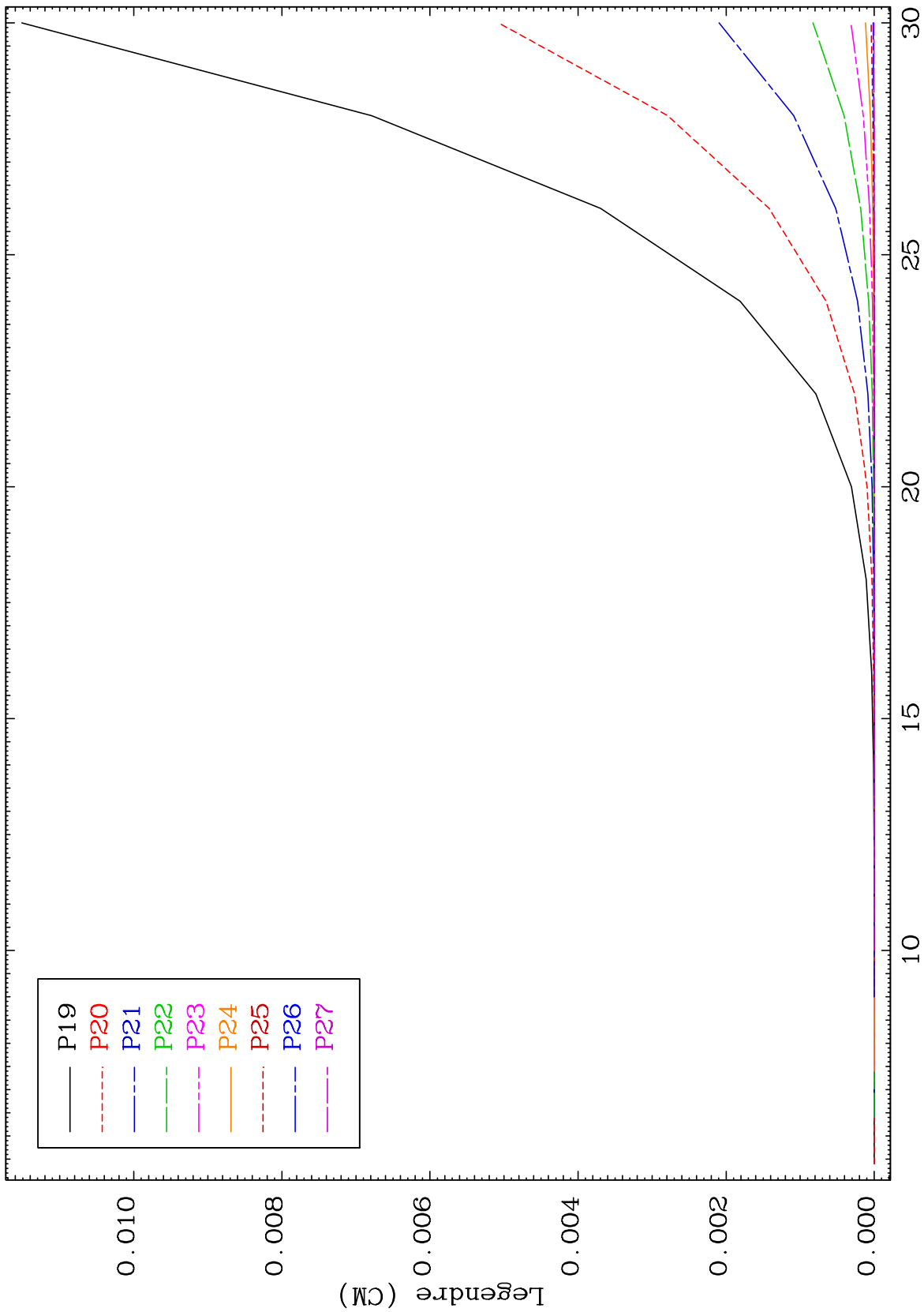




MAT 6210

Elastic Legendre Coefficients

62-Sm-139



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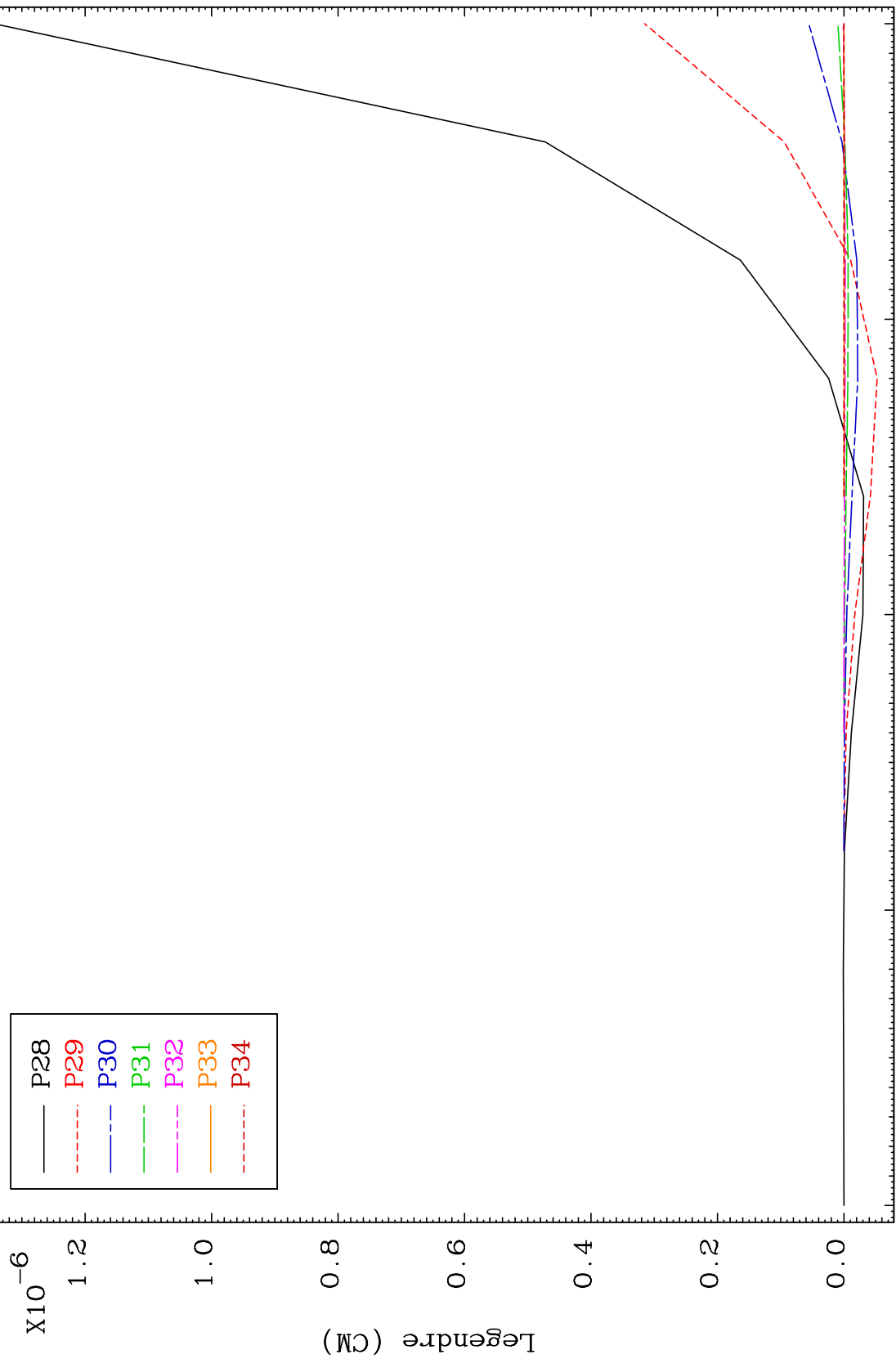
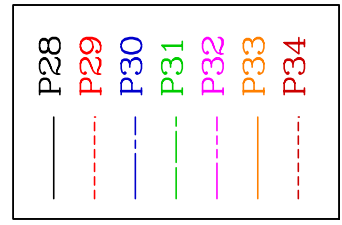
Incident Energy (MeV)

62-Sm-139

MAT 6210

Elastic Legendre Coefficients

62-Sm-139



18

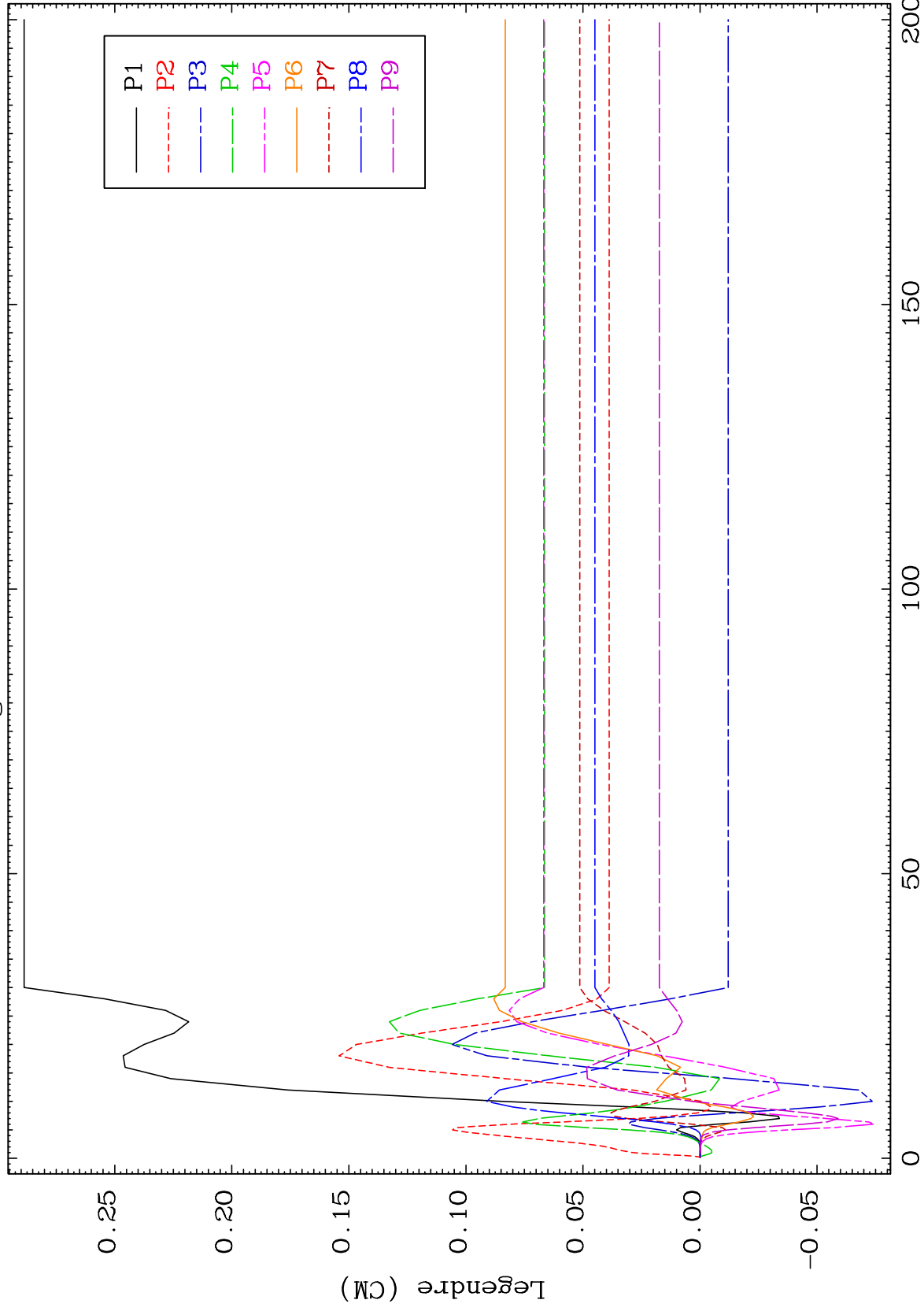
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

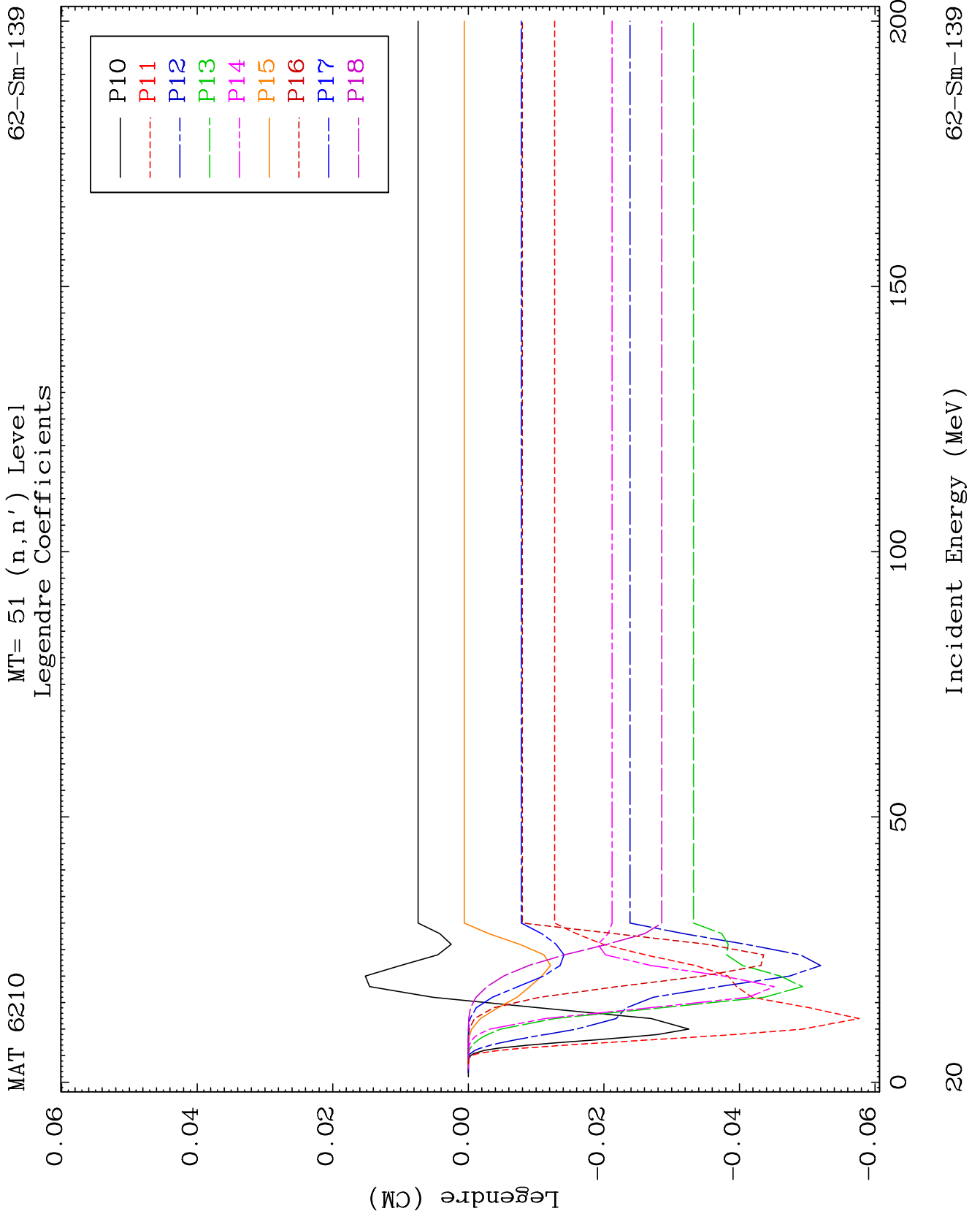
62-Sm-139

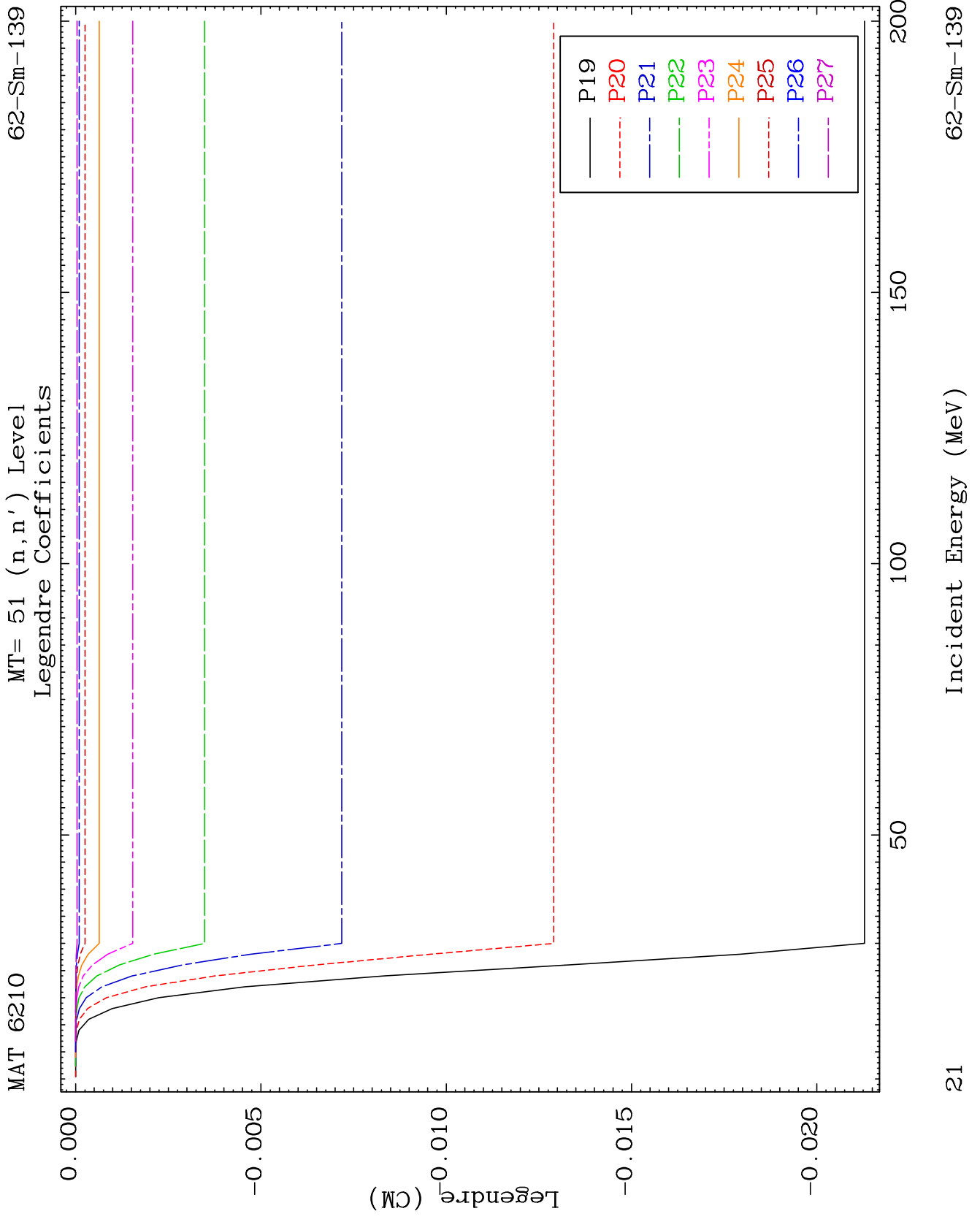


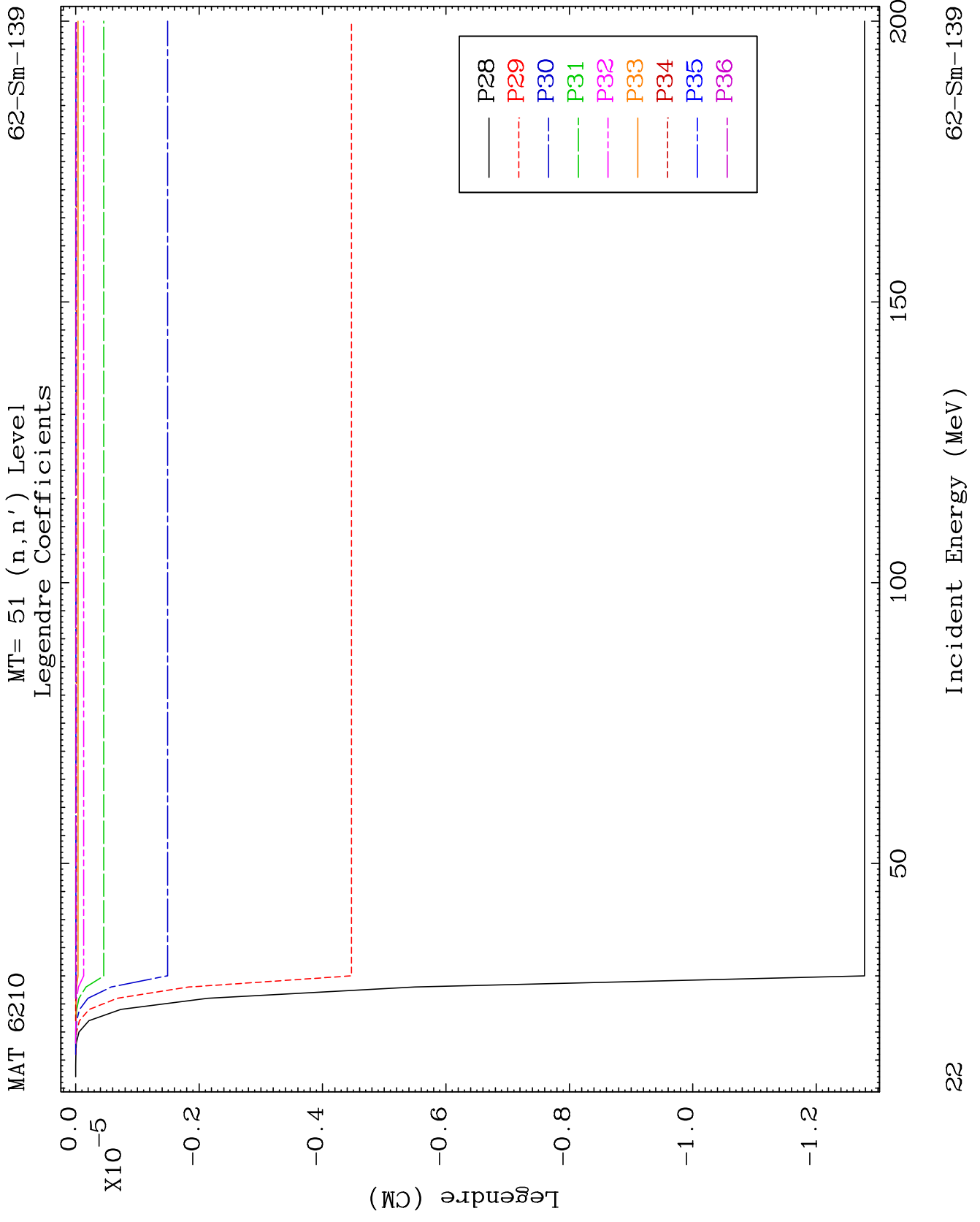
19

Incident Energy (MeV)

62-Sm-139



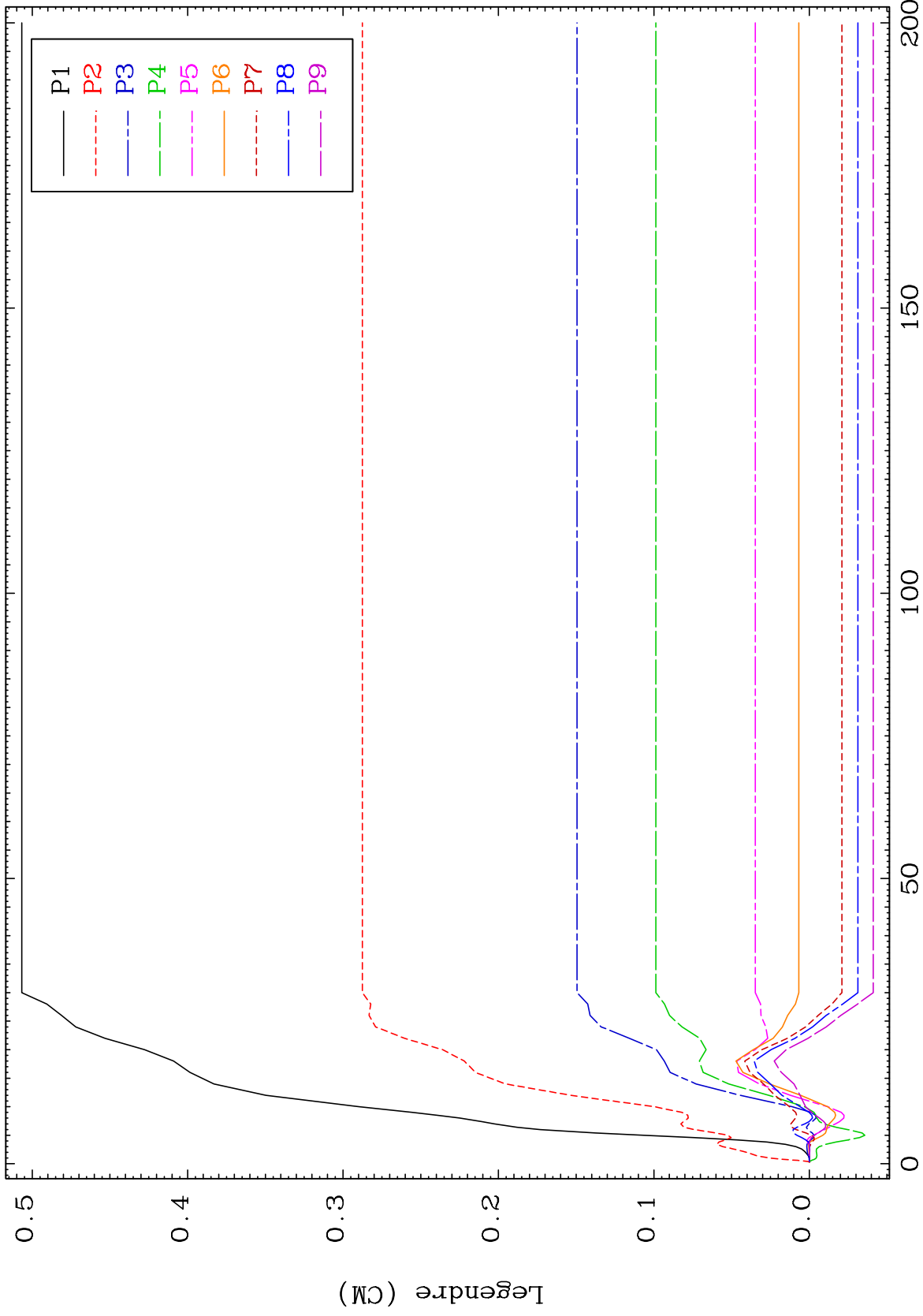




MAT 6210

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

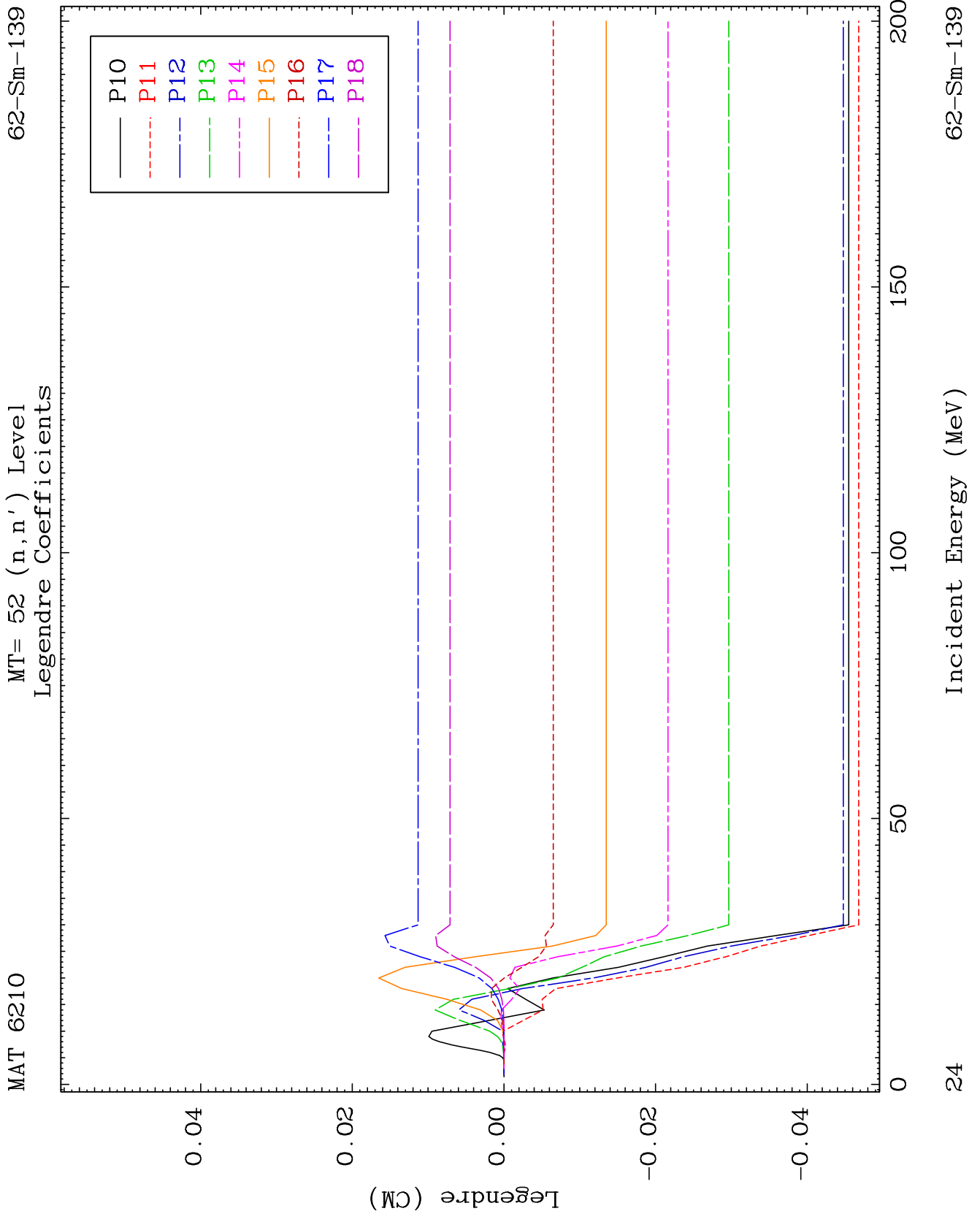
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23

Incident Energy (MeV)

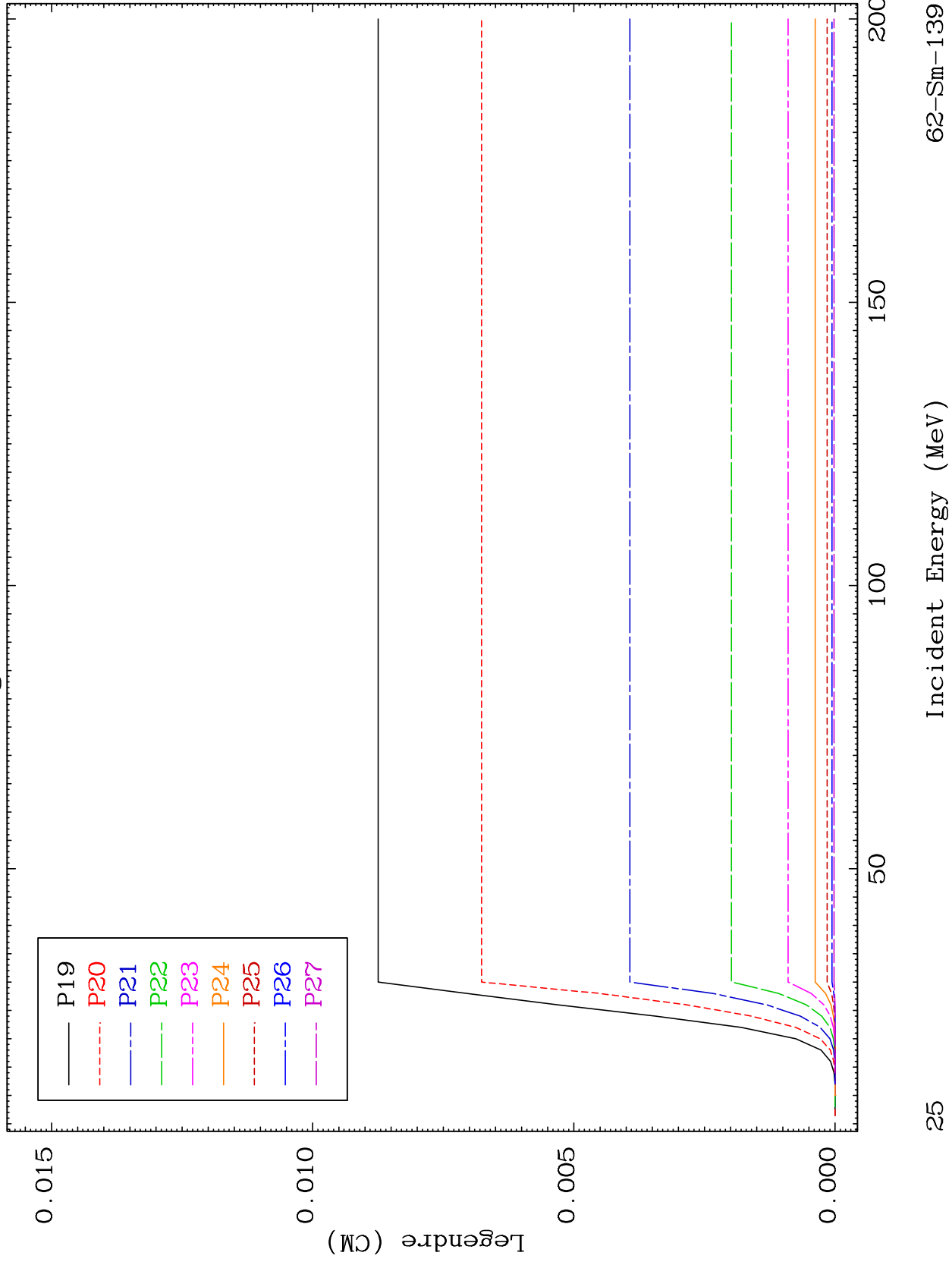
62-Sm-139



MAT 6210

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

62-Sm-139



25

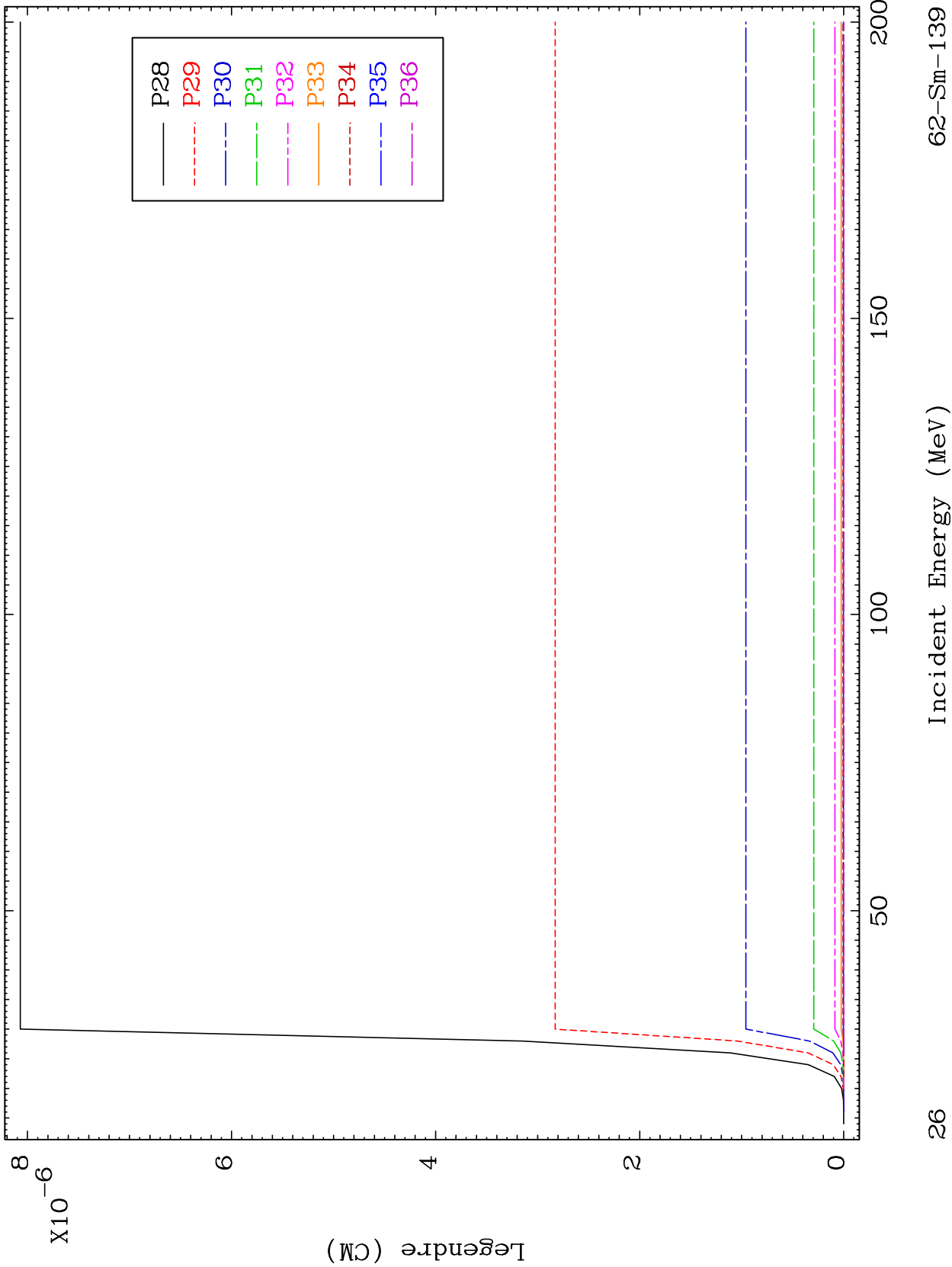
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

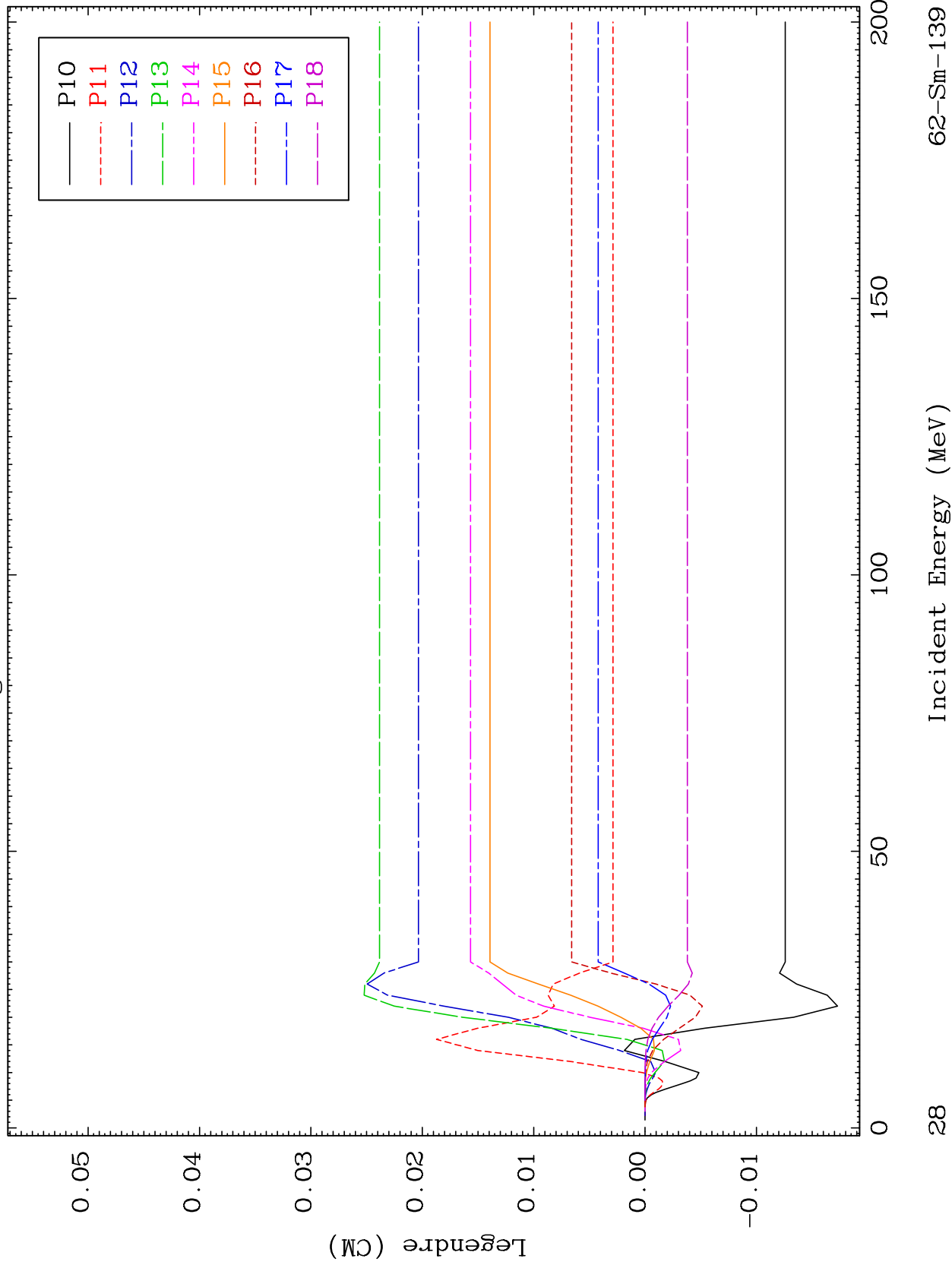
62-Sm-139



MAT 6210

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

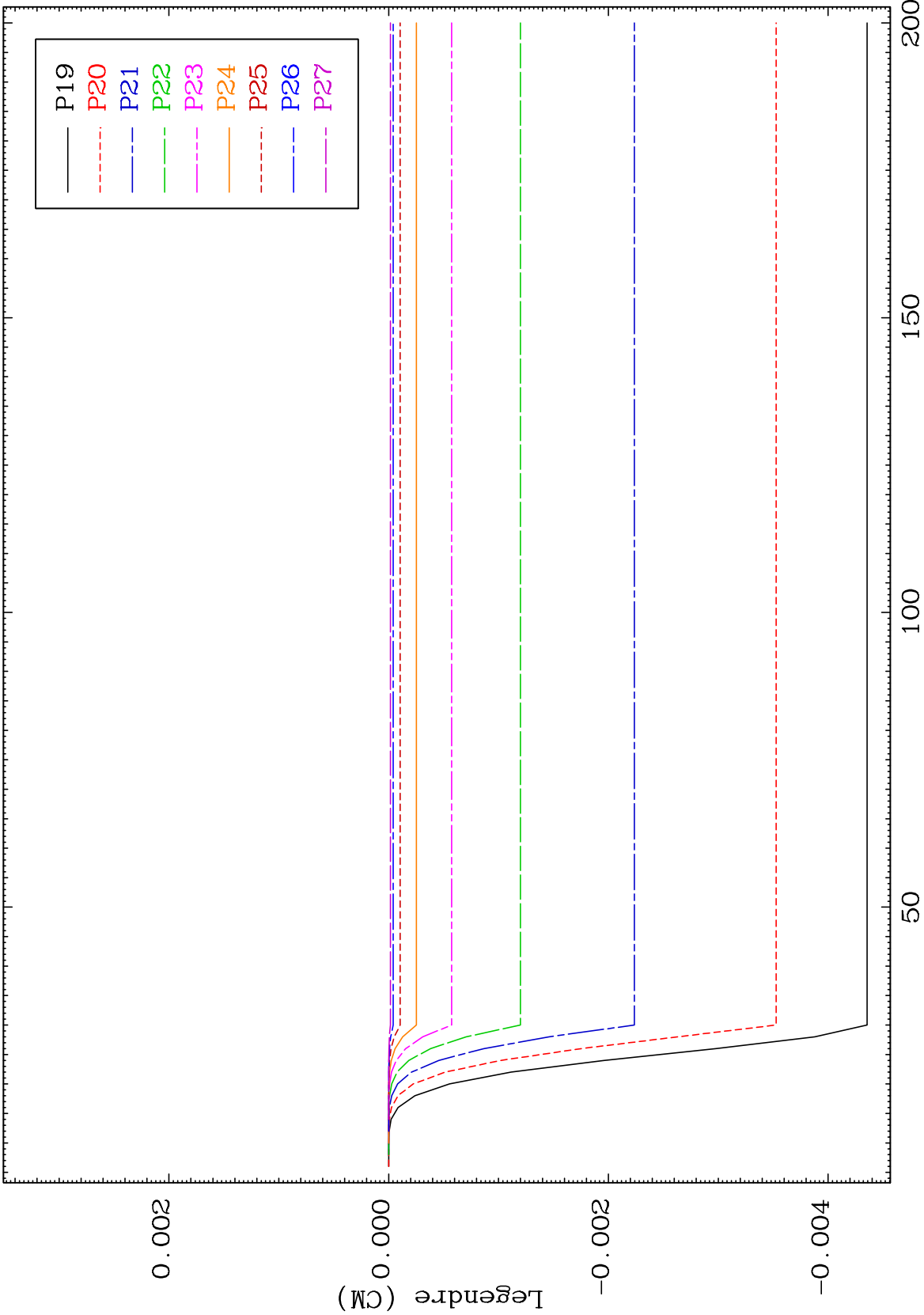
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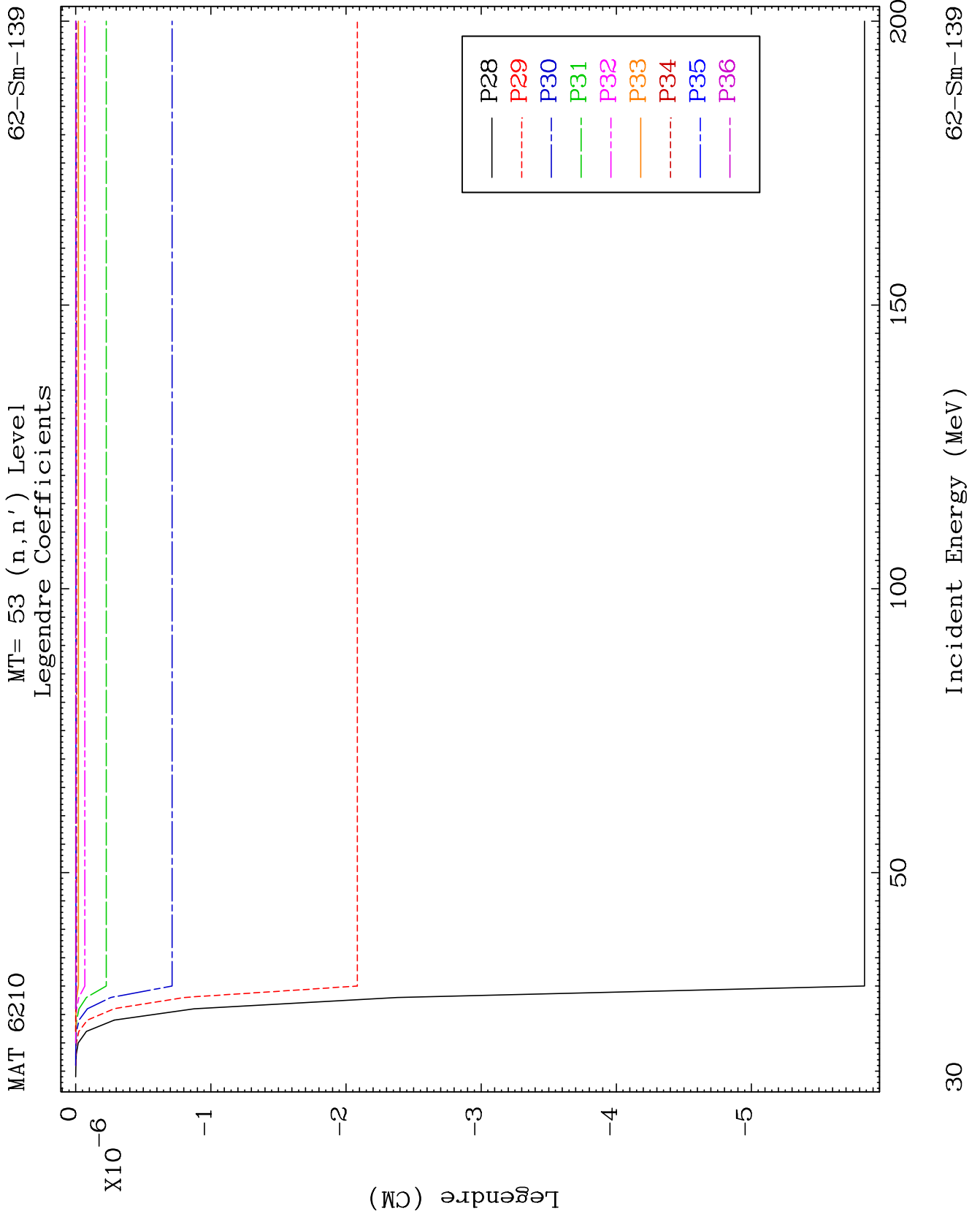


62-Sm-139

Incident Energy (MeV)

28

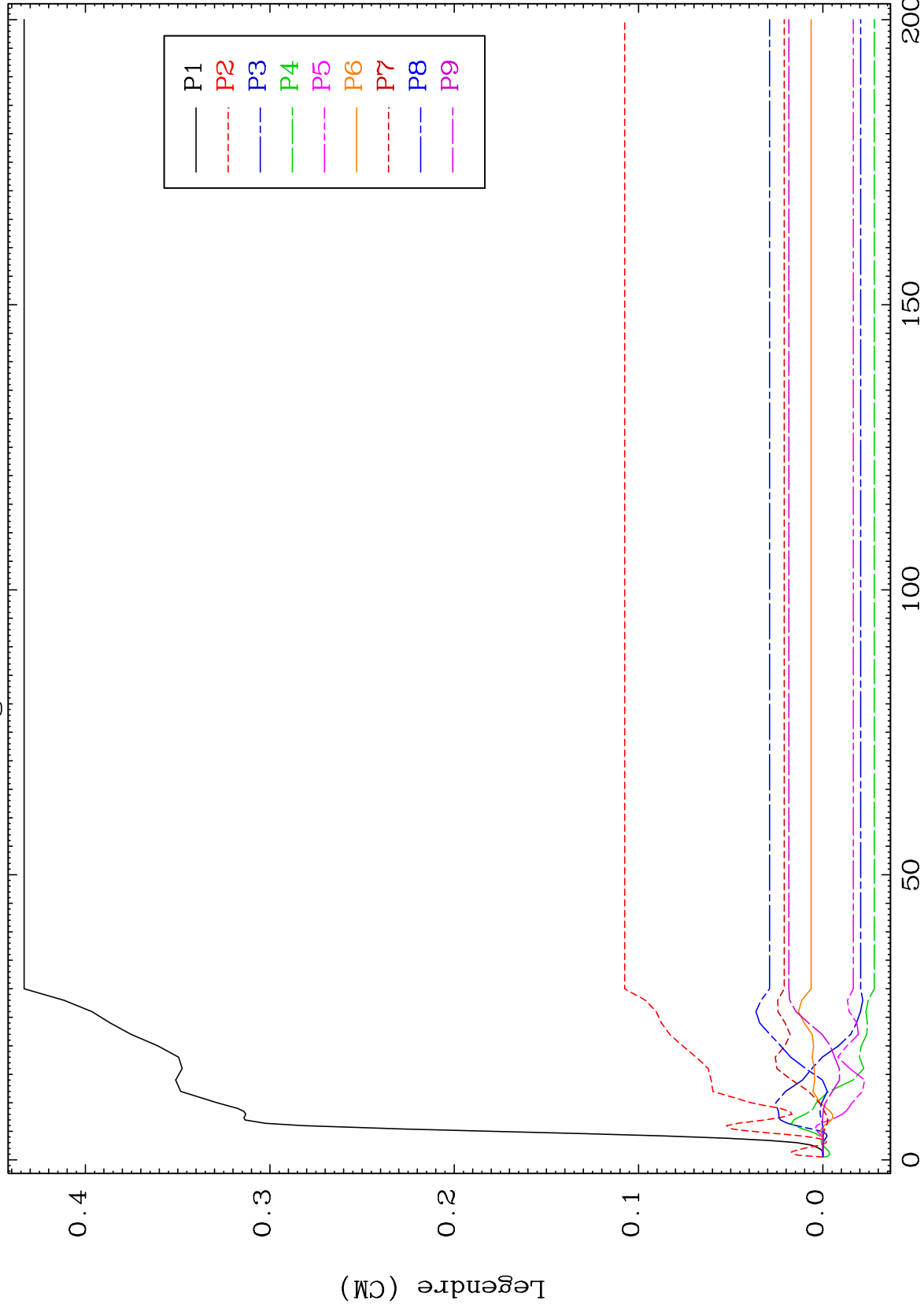




MAT 6210

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

62-Sm-139



31

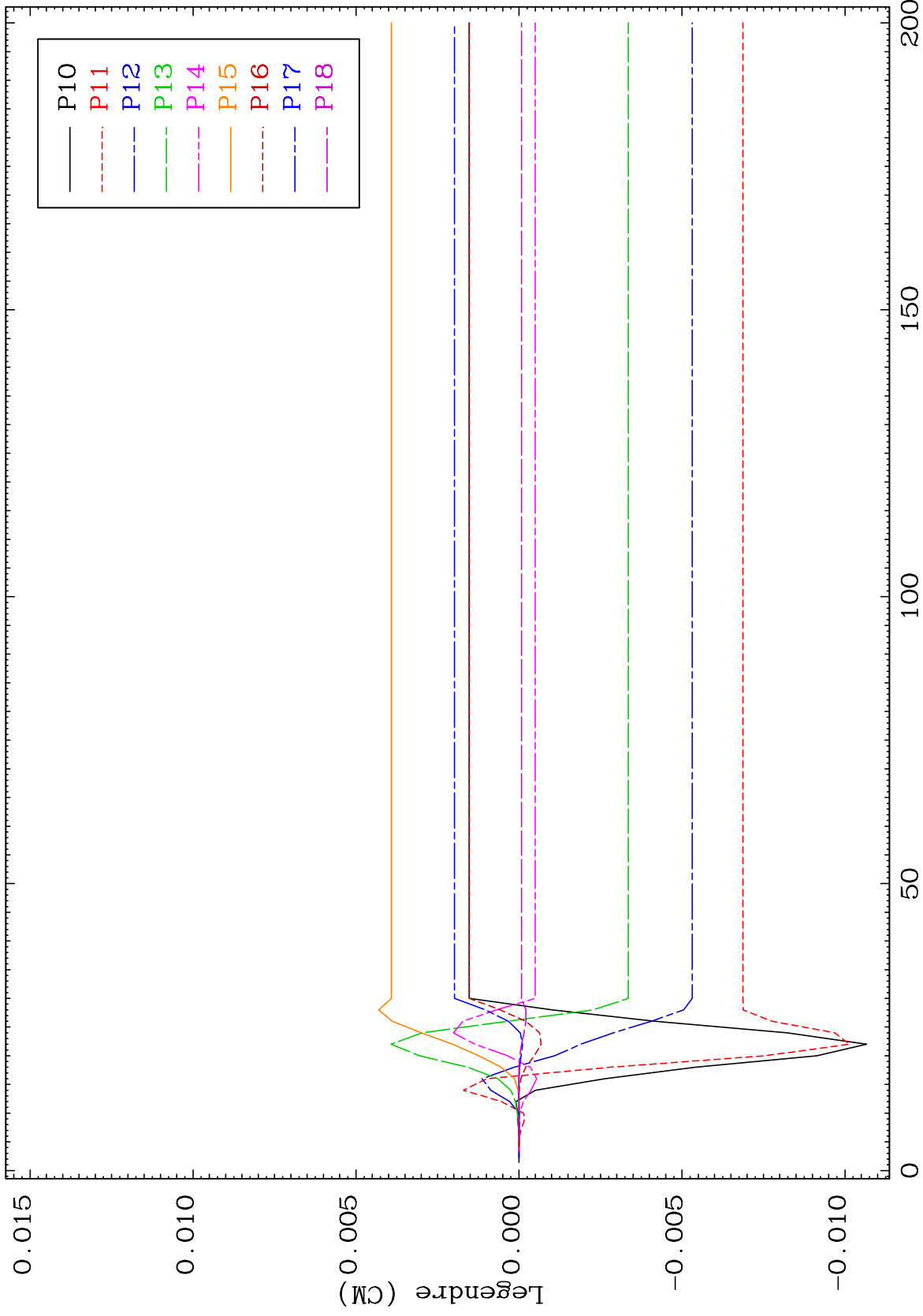
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

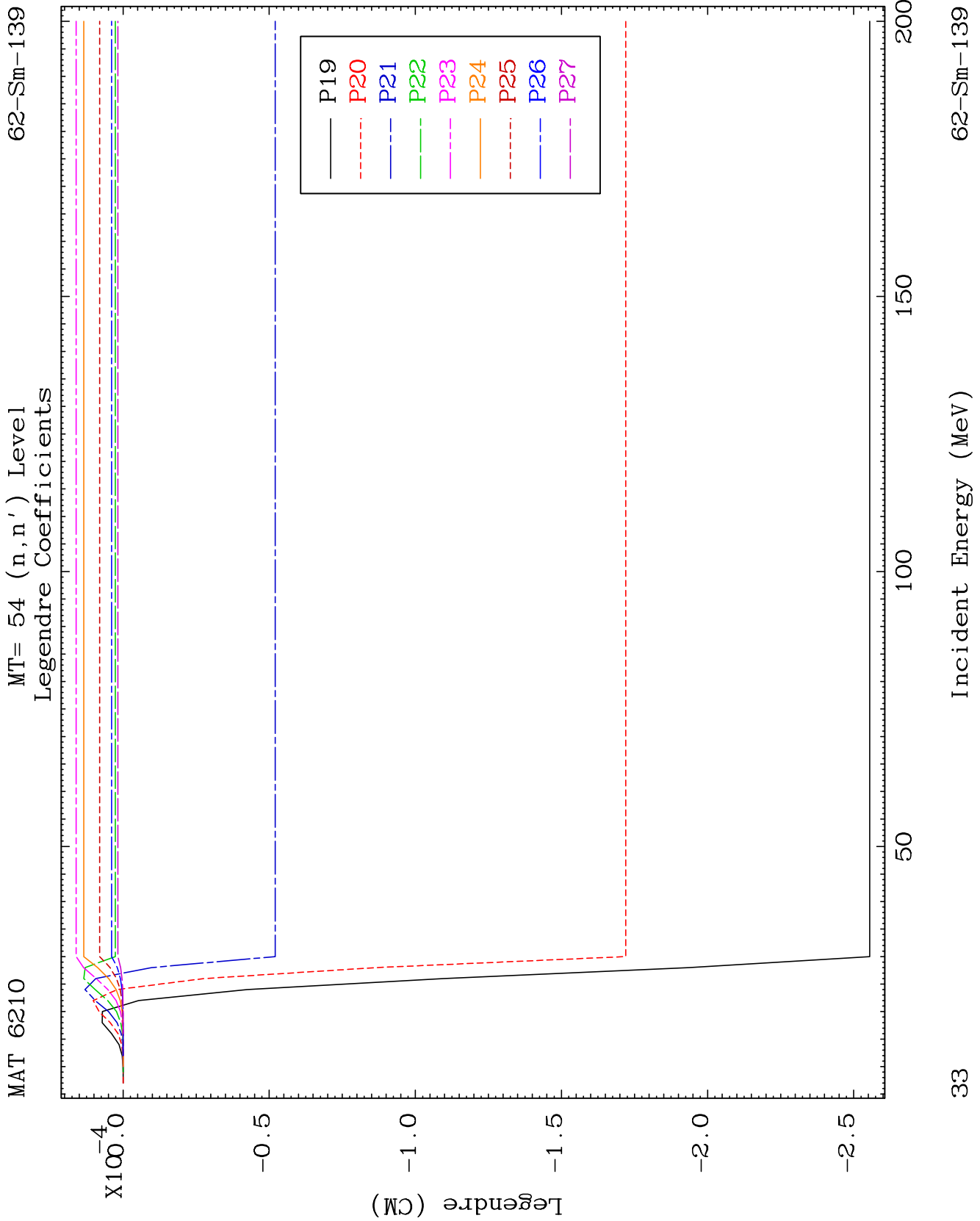
62-Sm-139



32

Incident Energy (MeV)

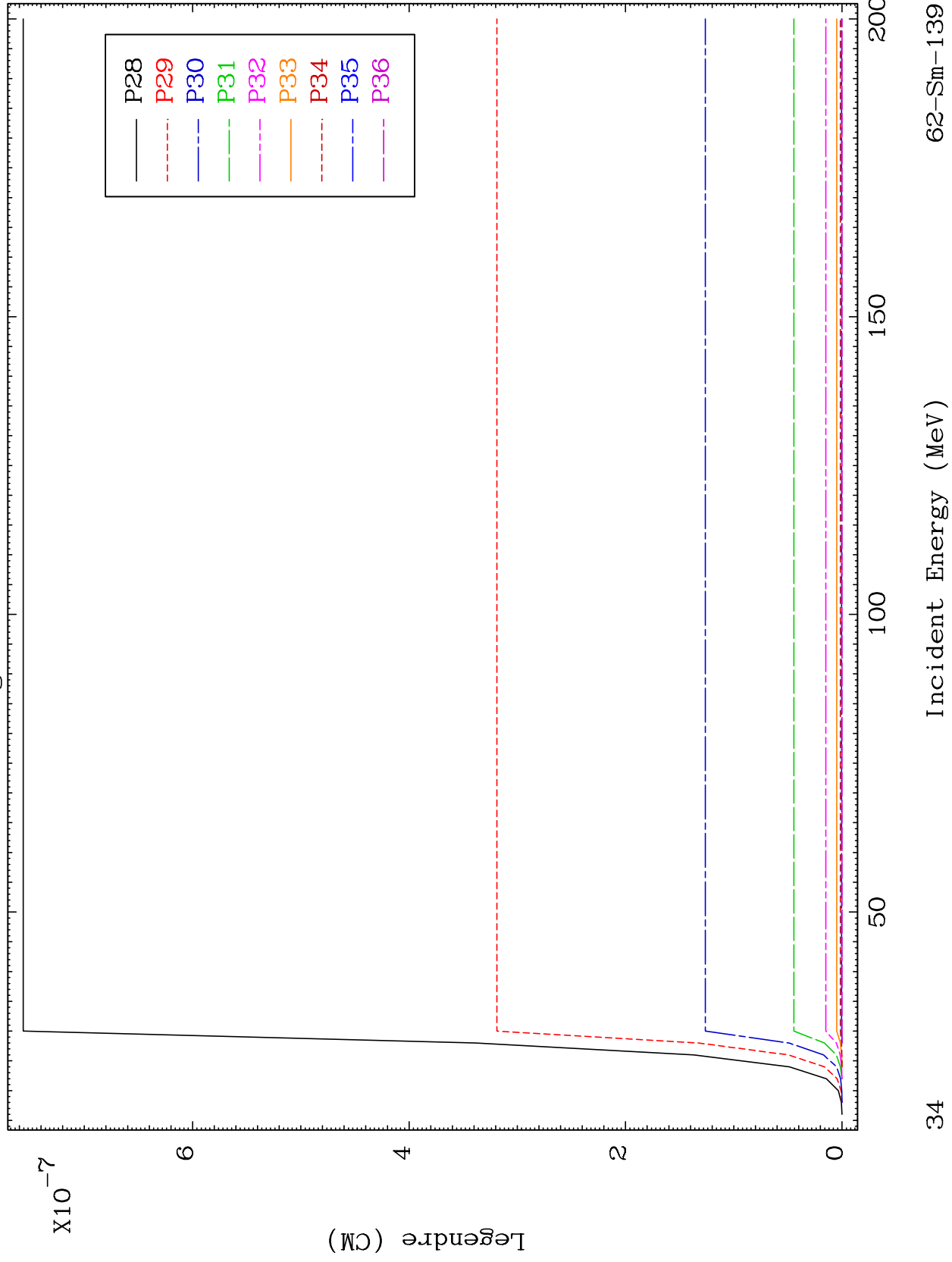
62-Sm-139



MAT 6210

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

62-Sm-139



34

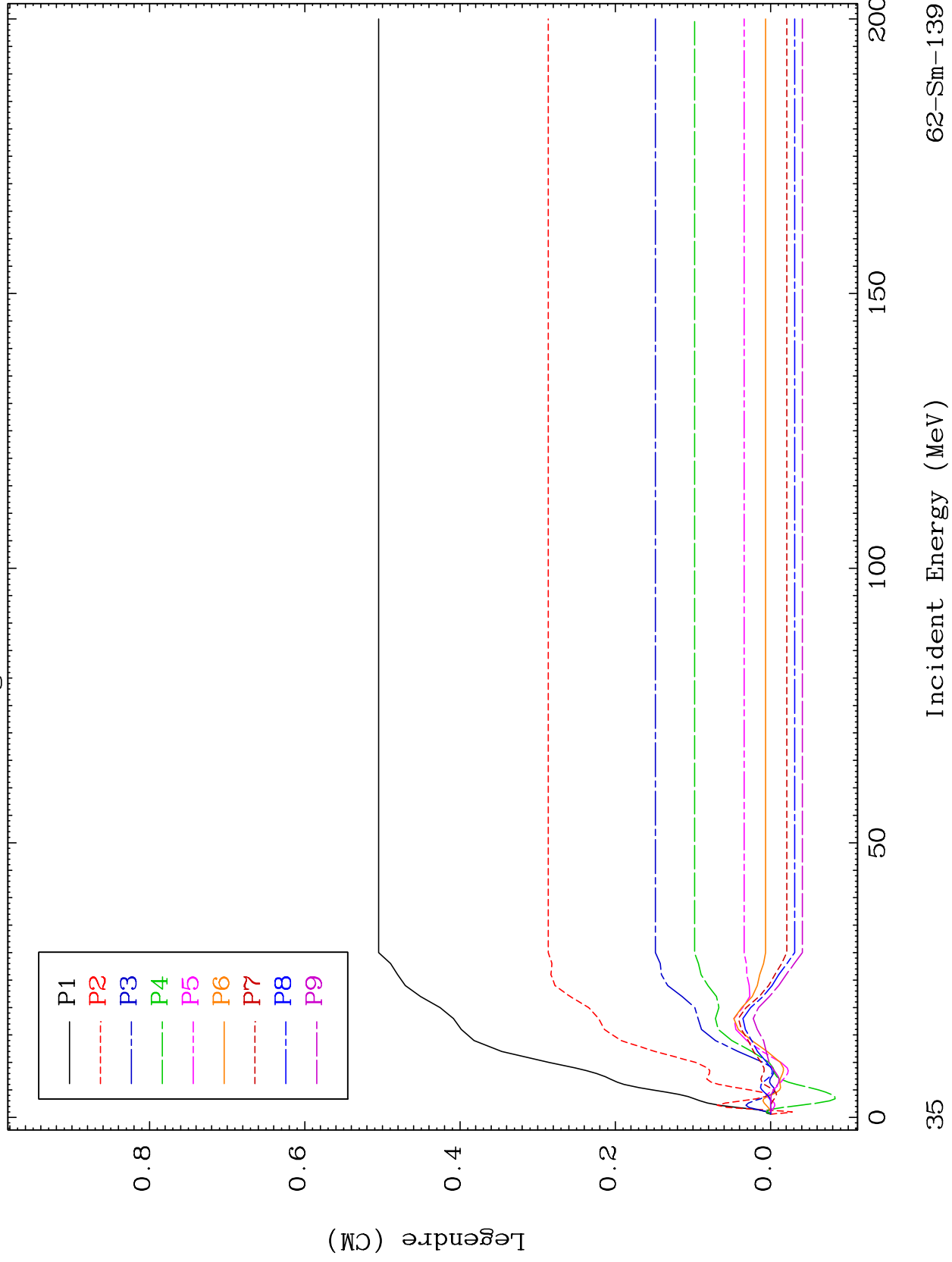
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



62-Sm-139

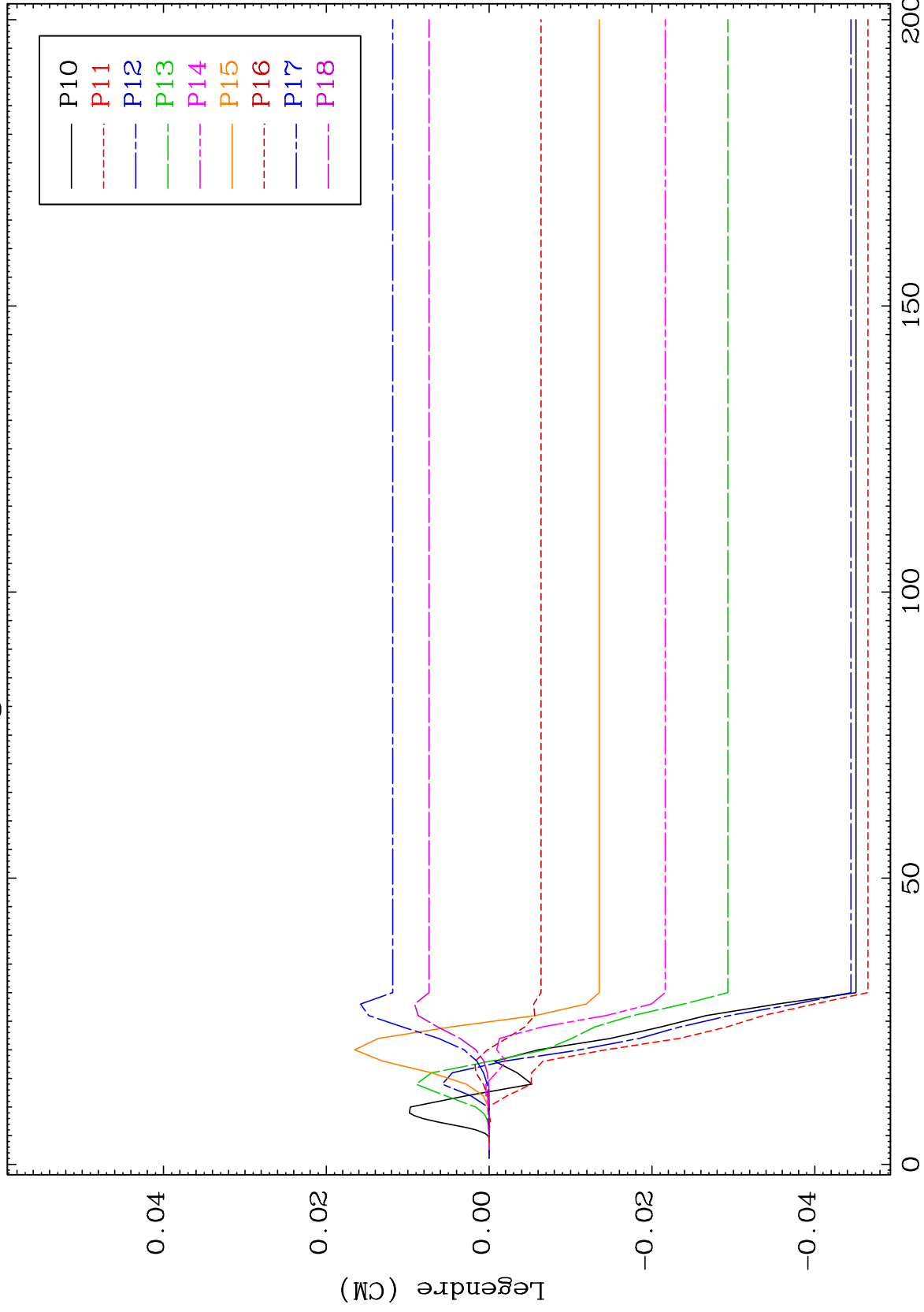
Incident Energy (MeV)

35

MAT 6210

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

62-Sm-139



36

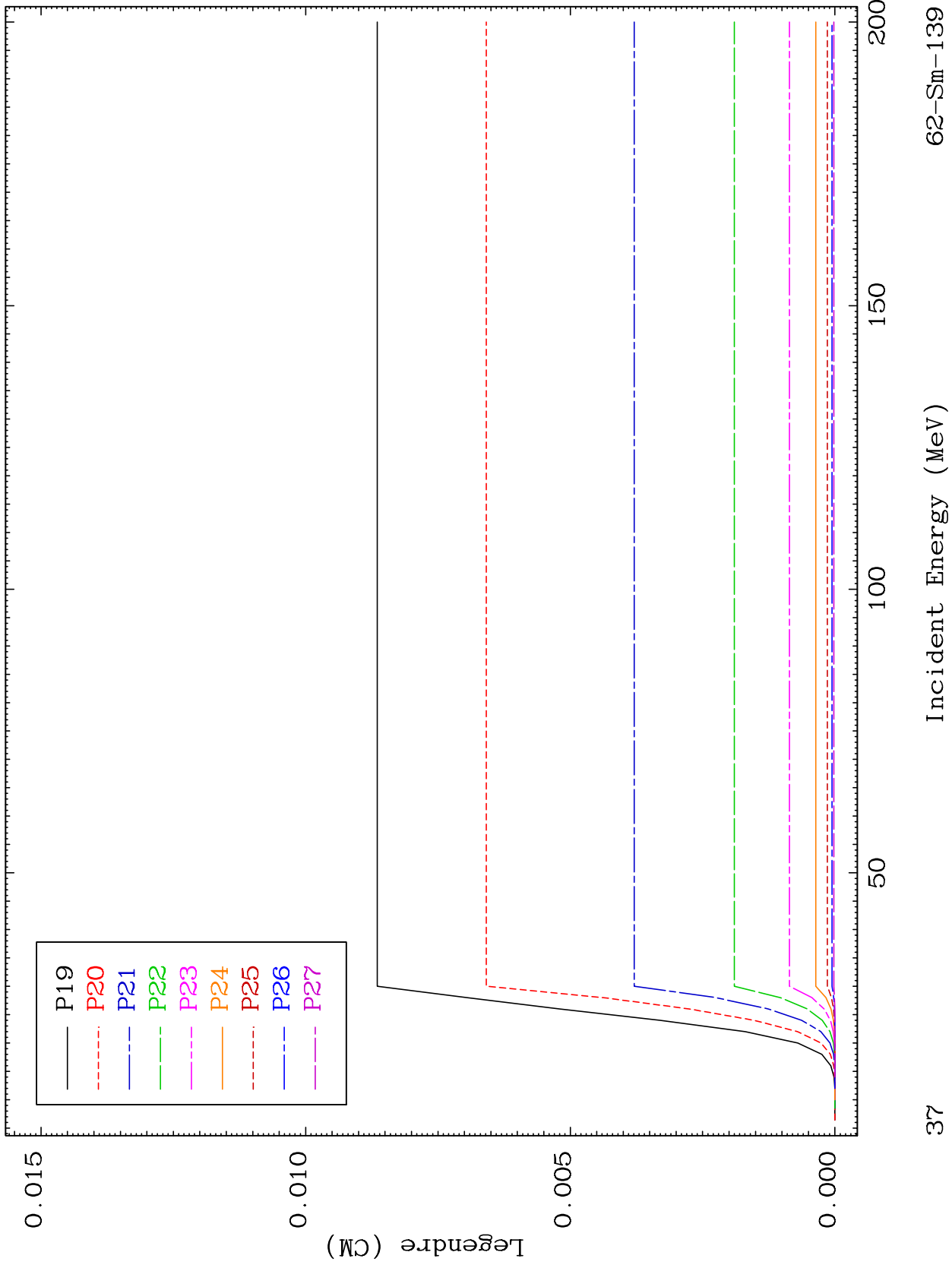
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



37

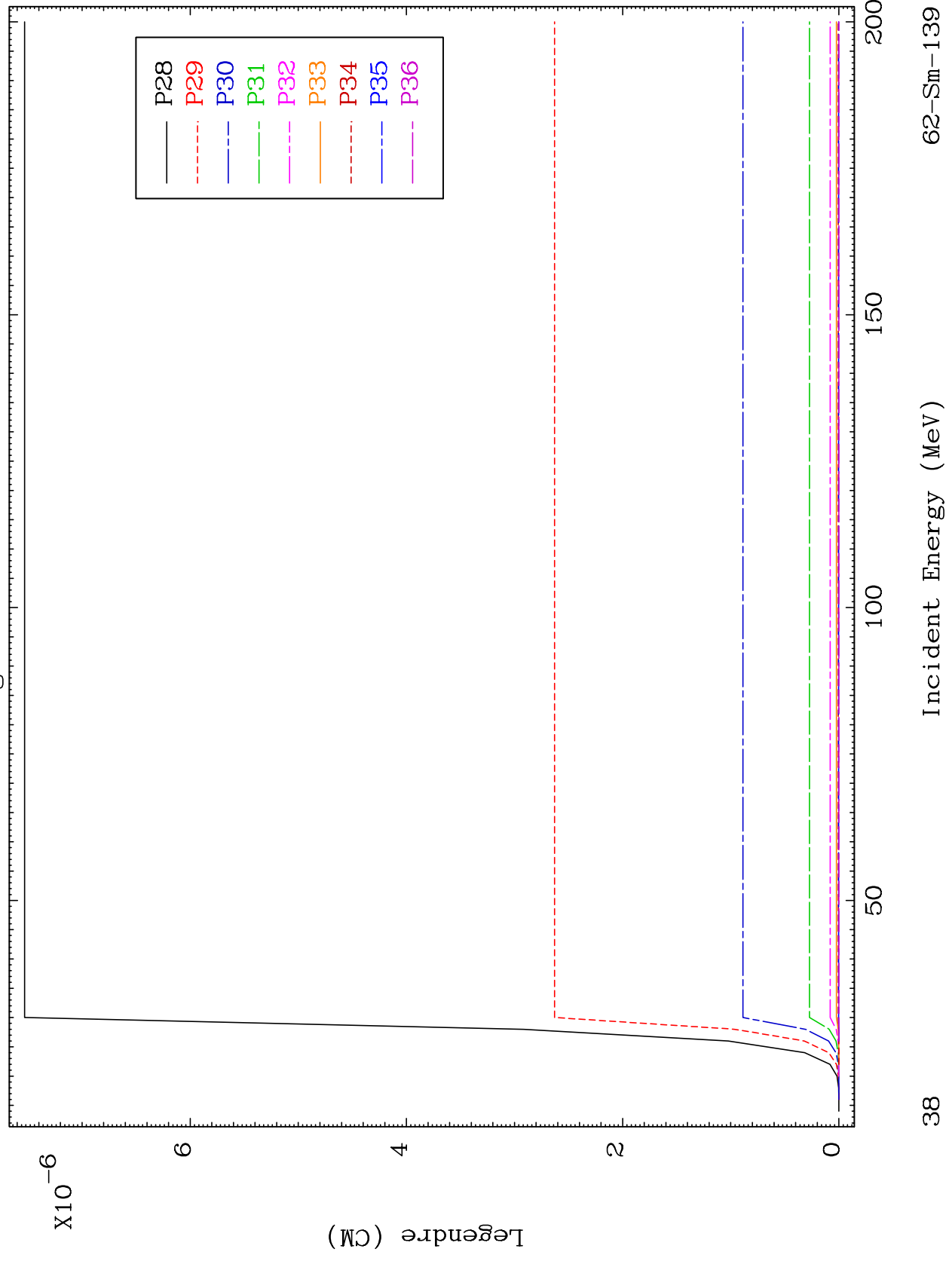
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



38

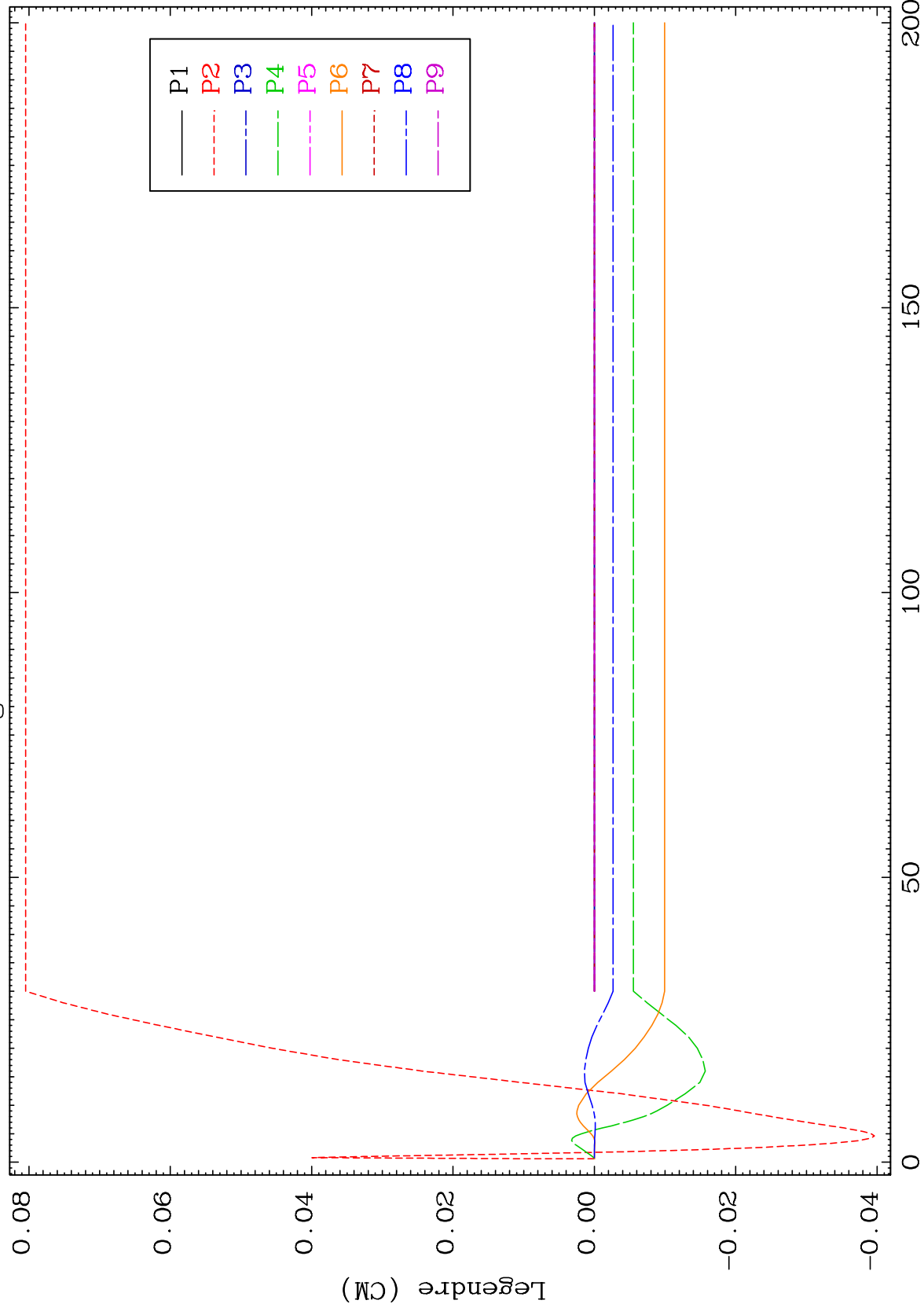
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

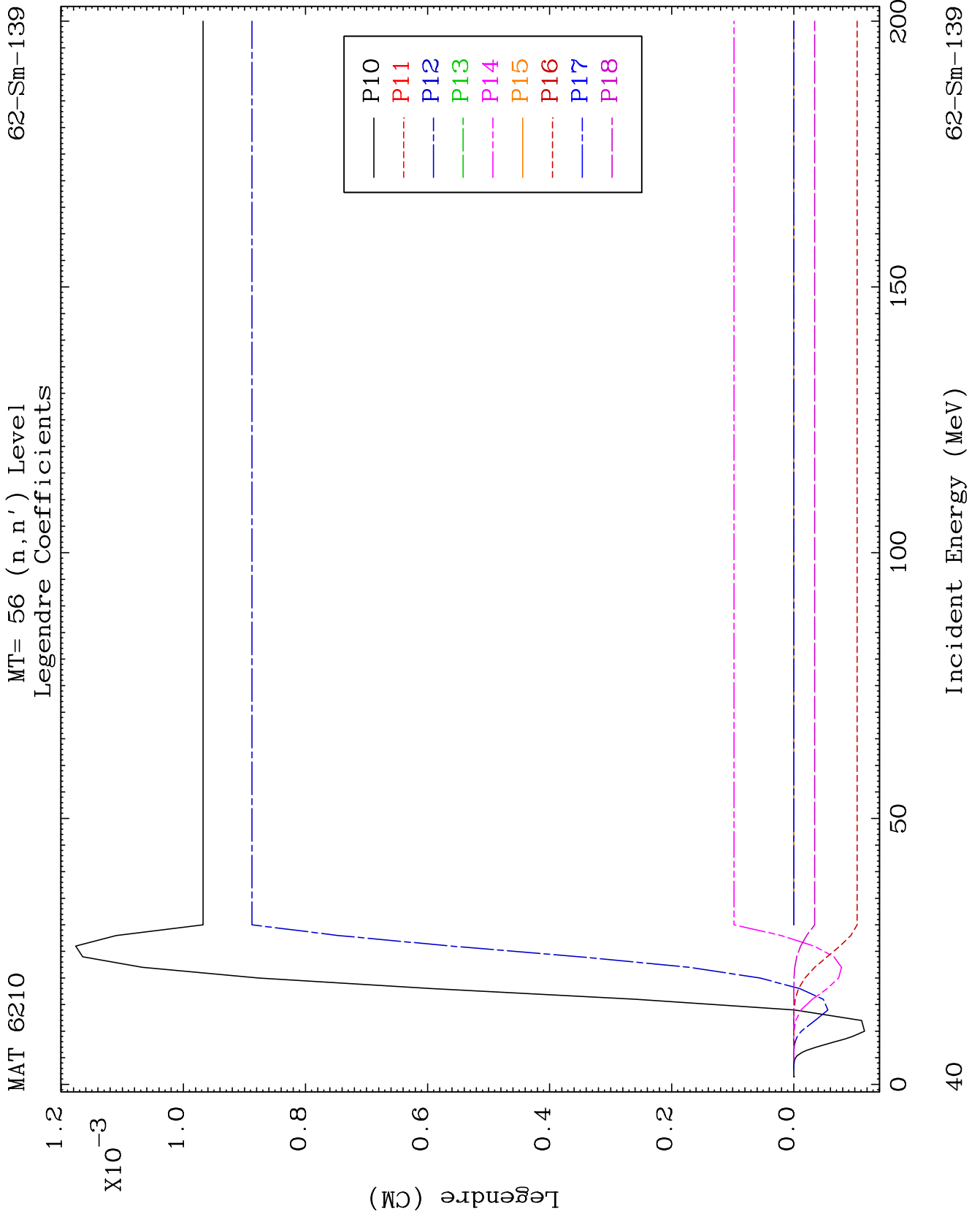
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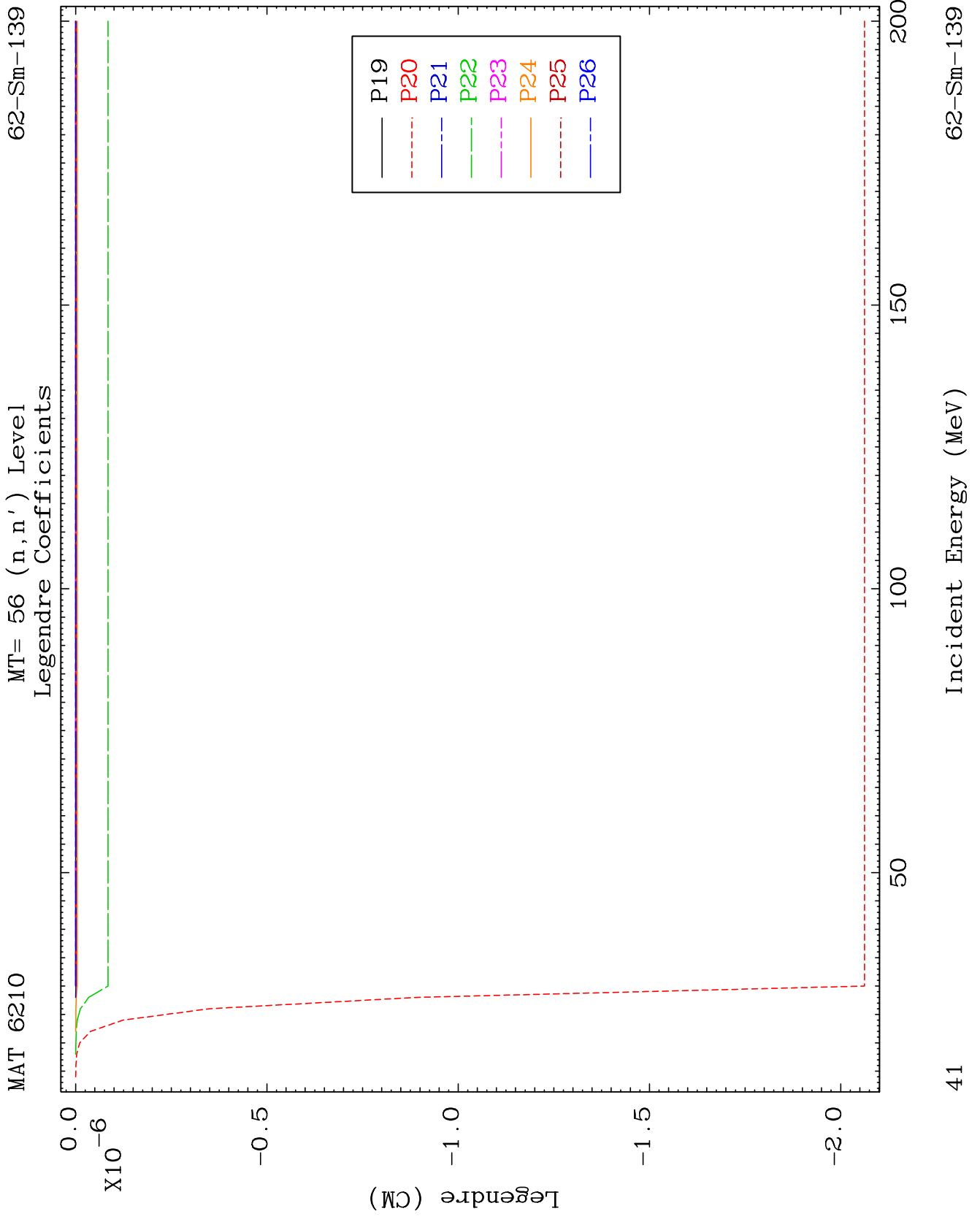


39

Incident Energy (MeV)

62-Sm-139

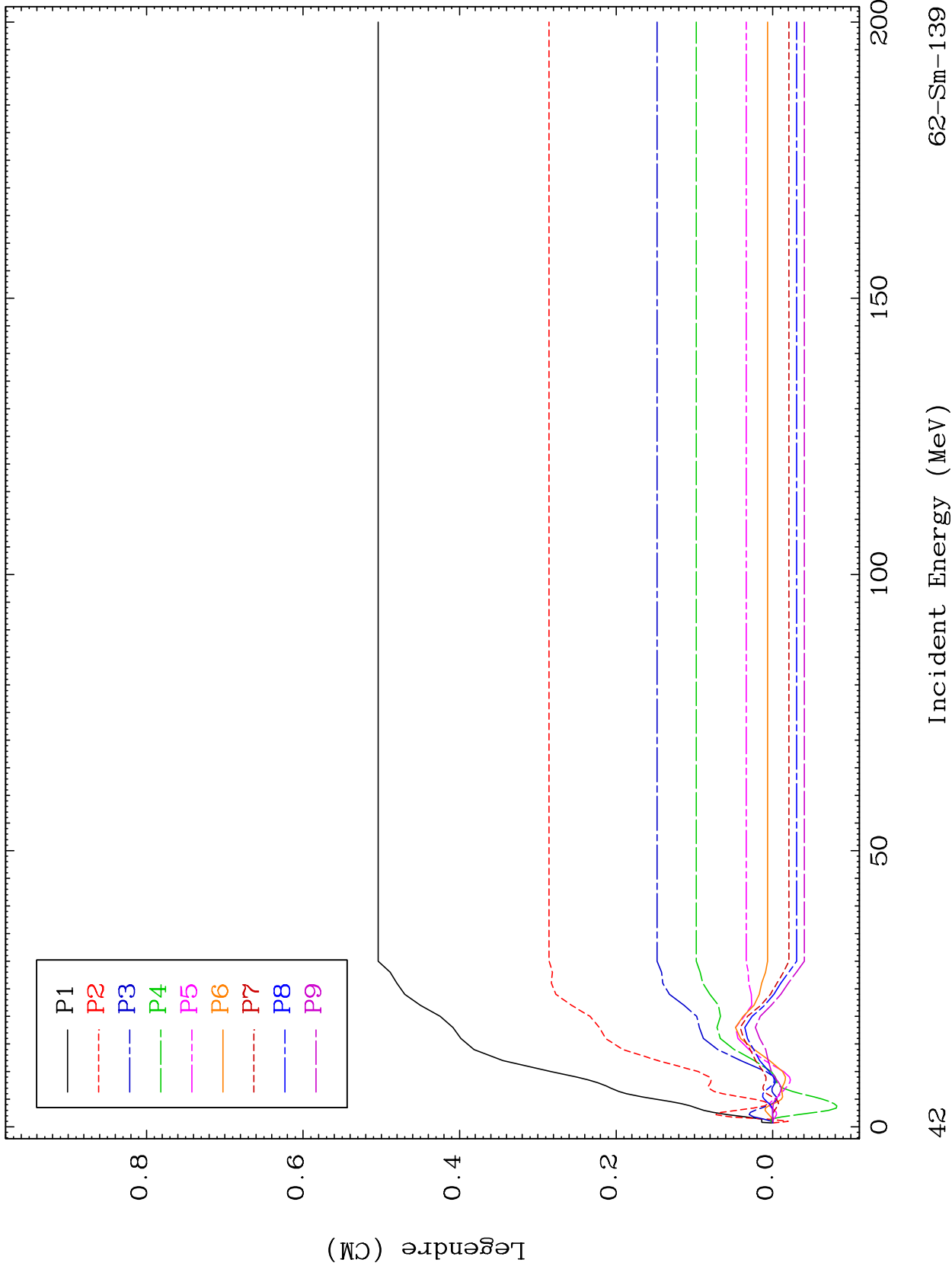




MAT 6210

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

62-Sm-139

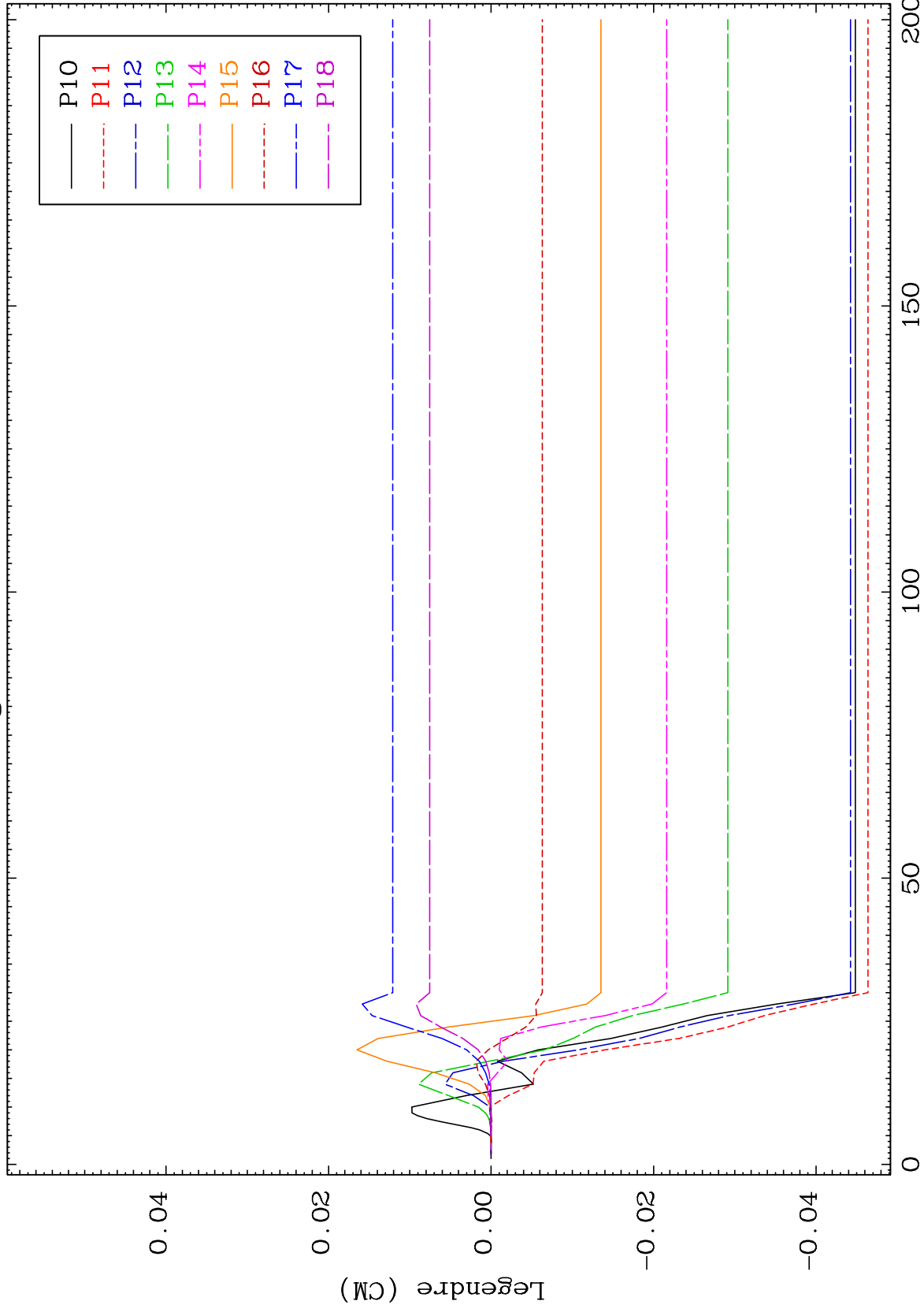


42

MAT 6210

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

62-Sm-139



43

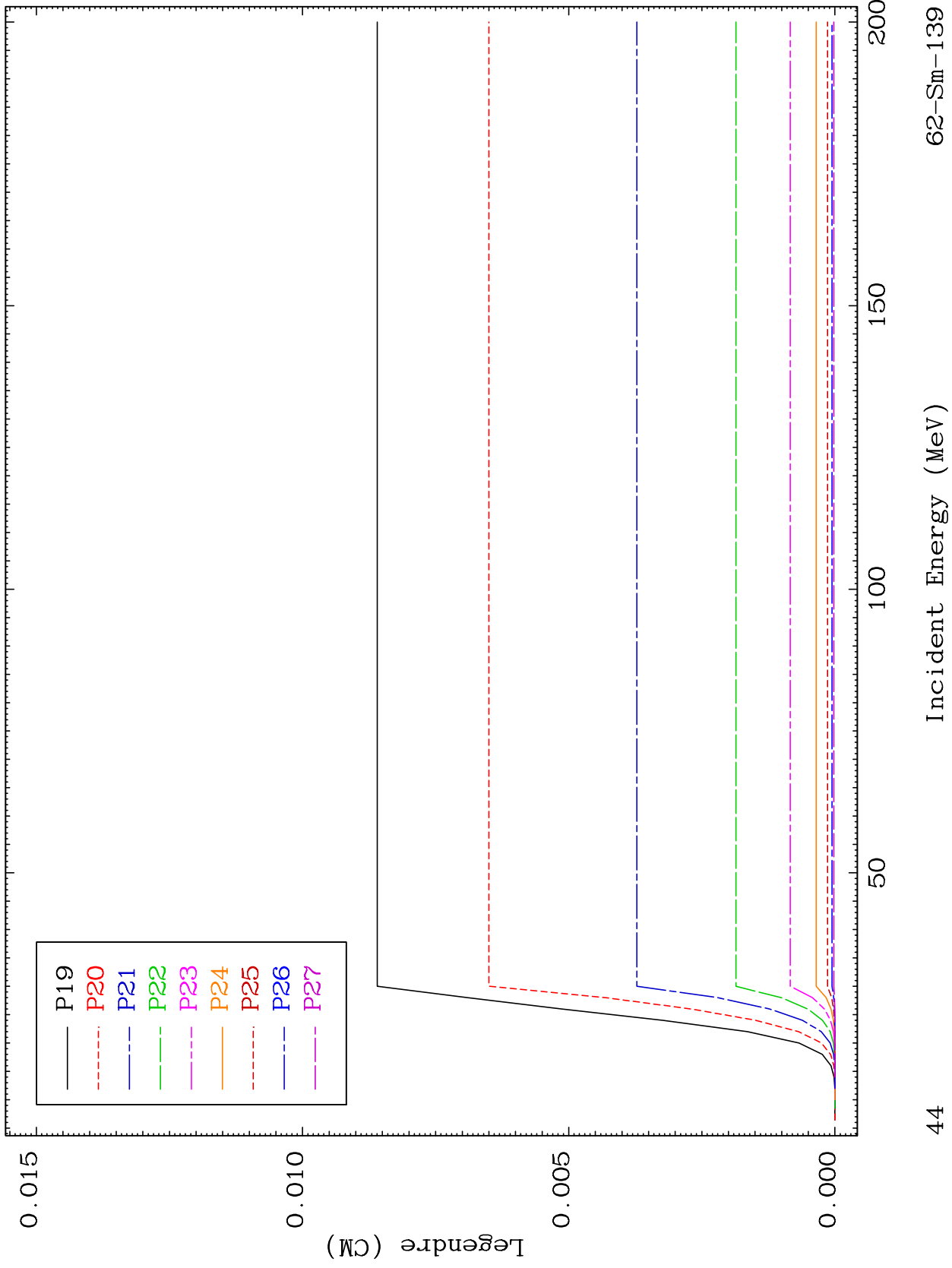
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



44

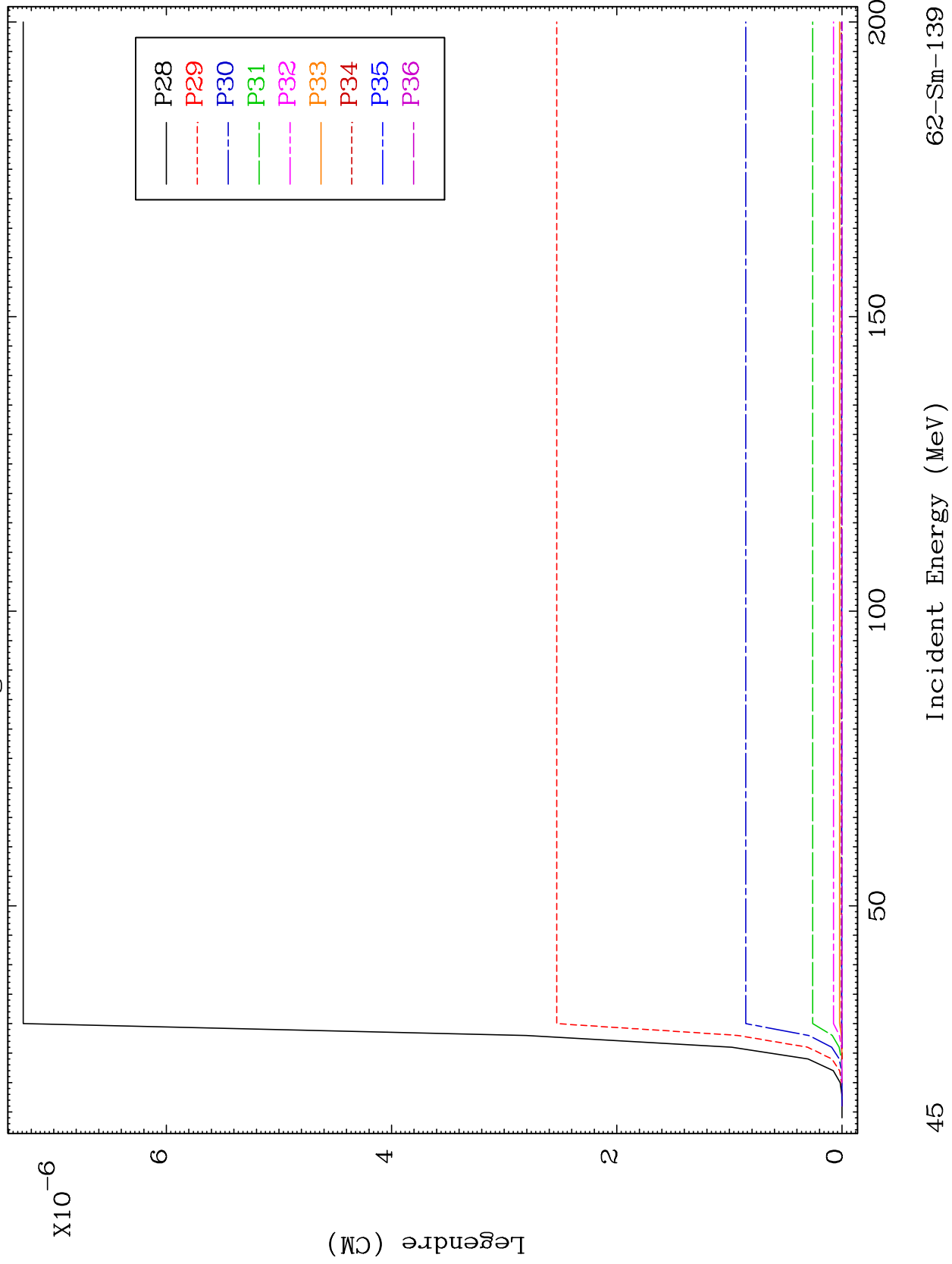
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

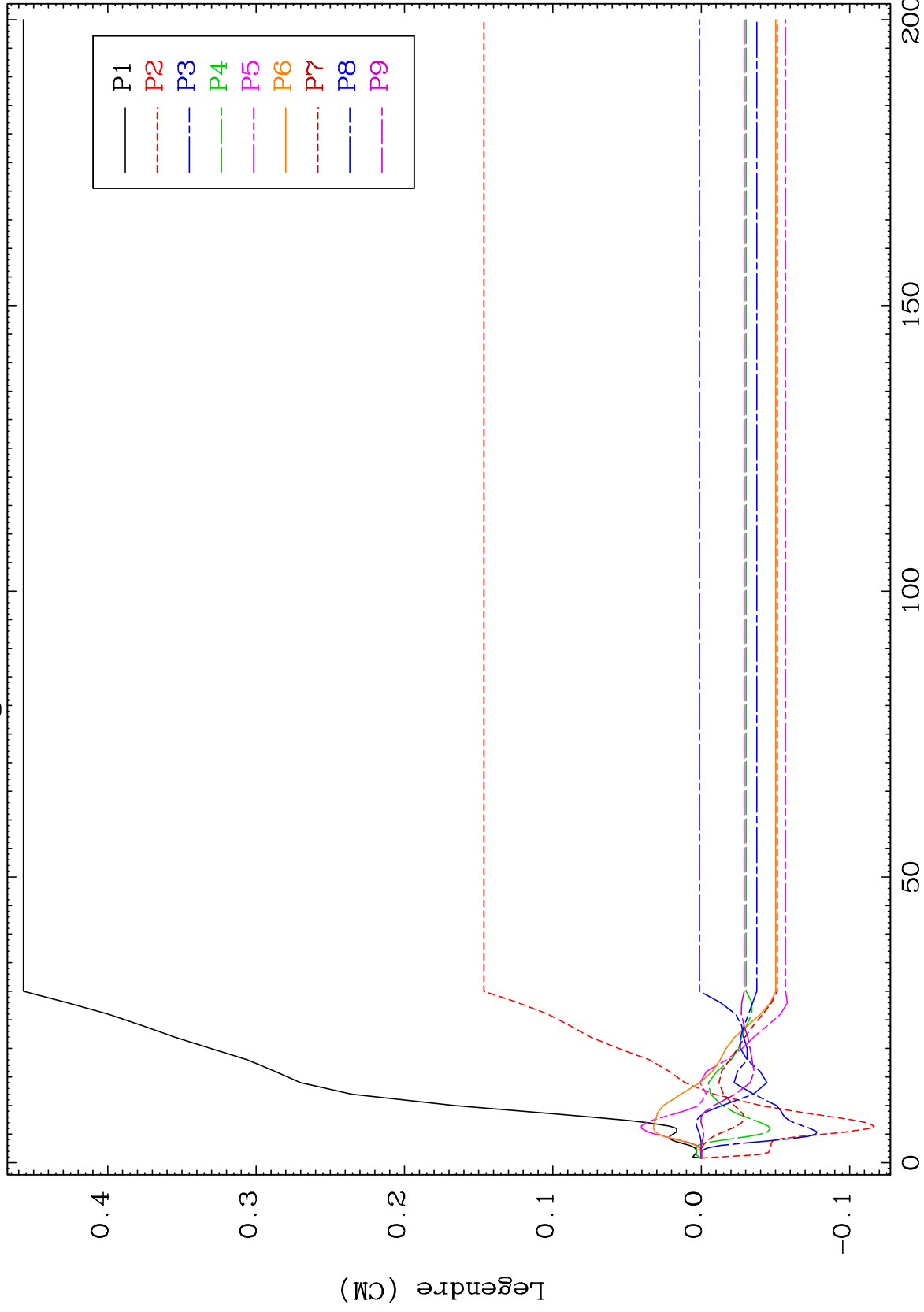
62-Sm-139



MAT 6210

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

62-Sm-139



46

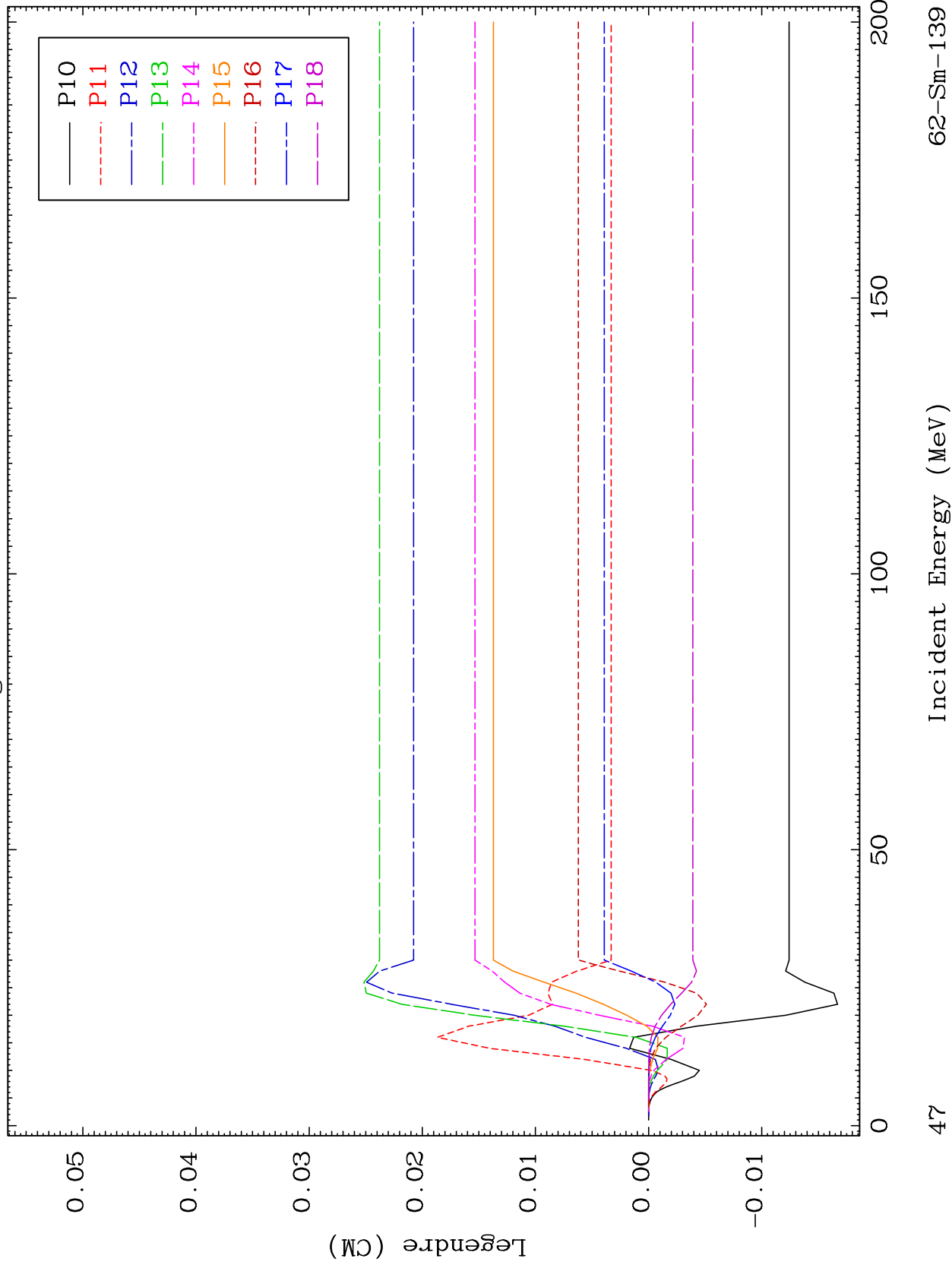
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



47

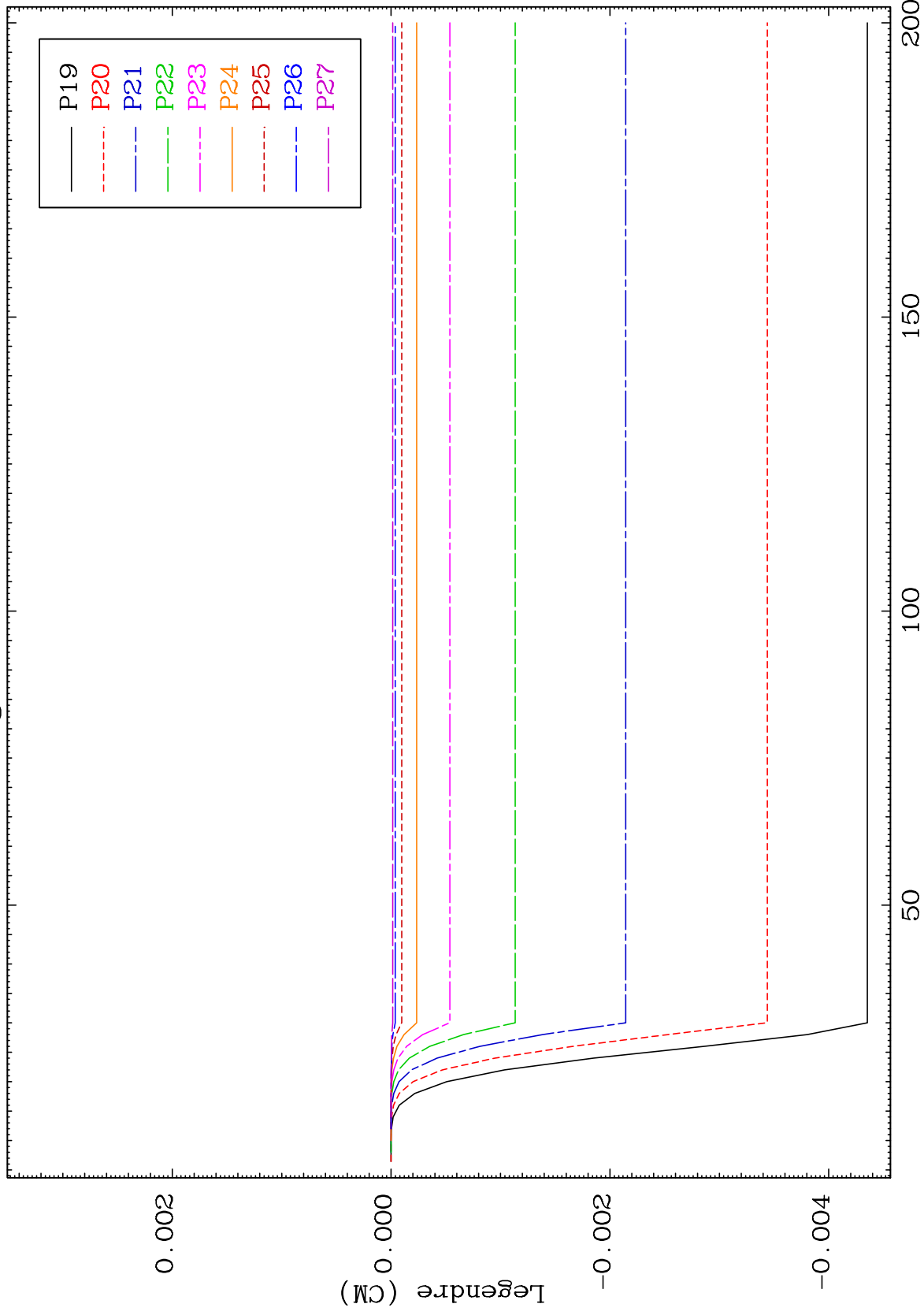
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

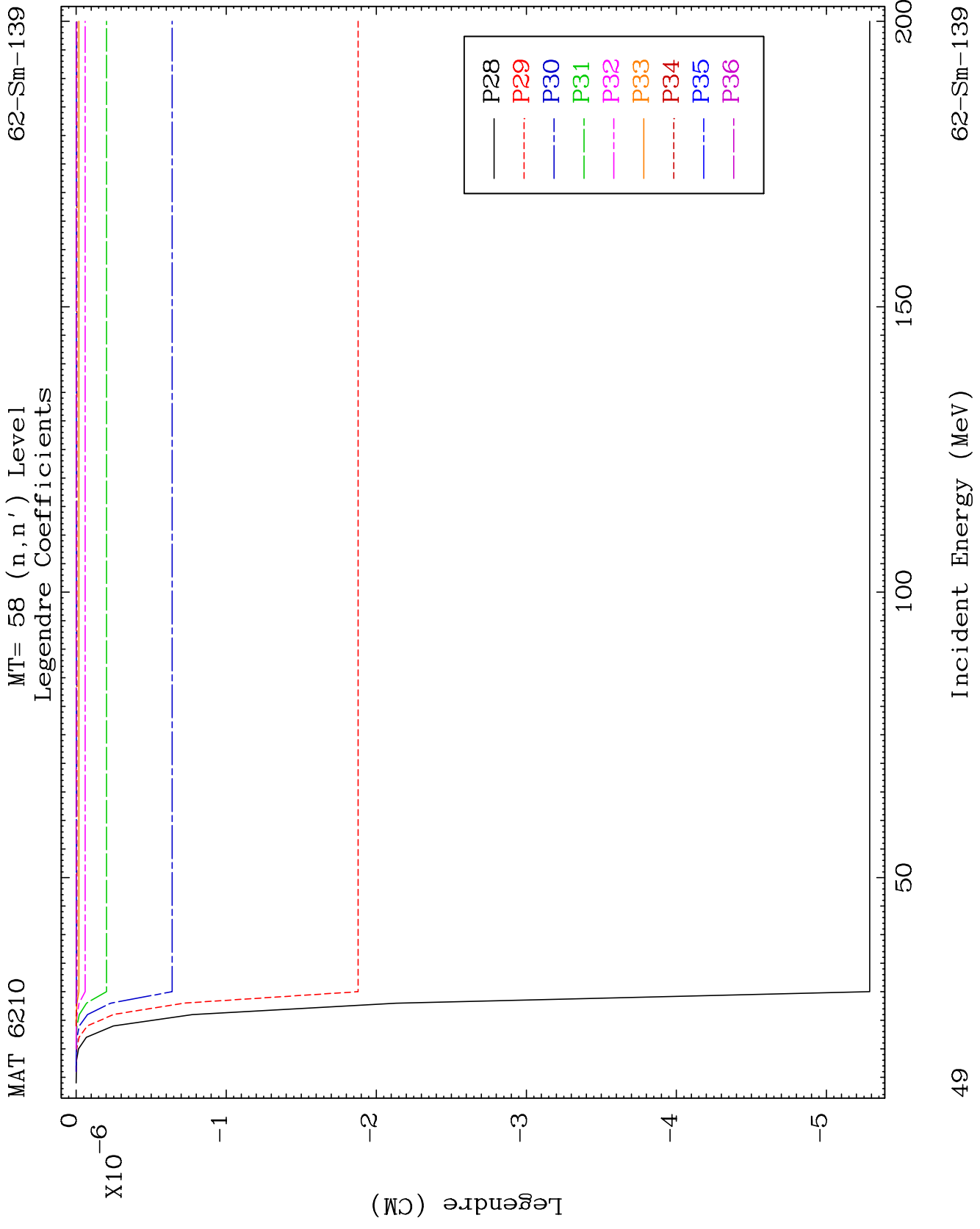
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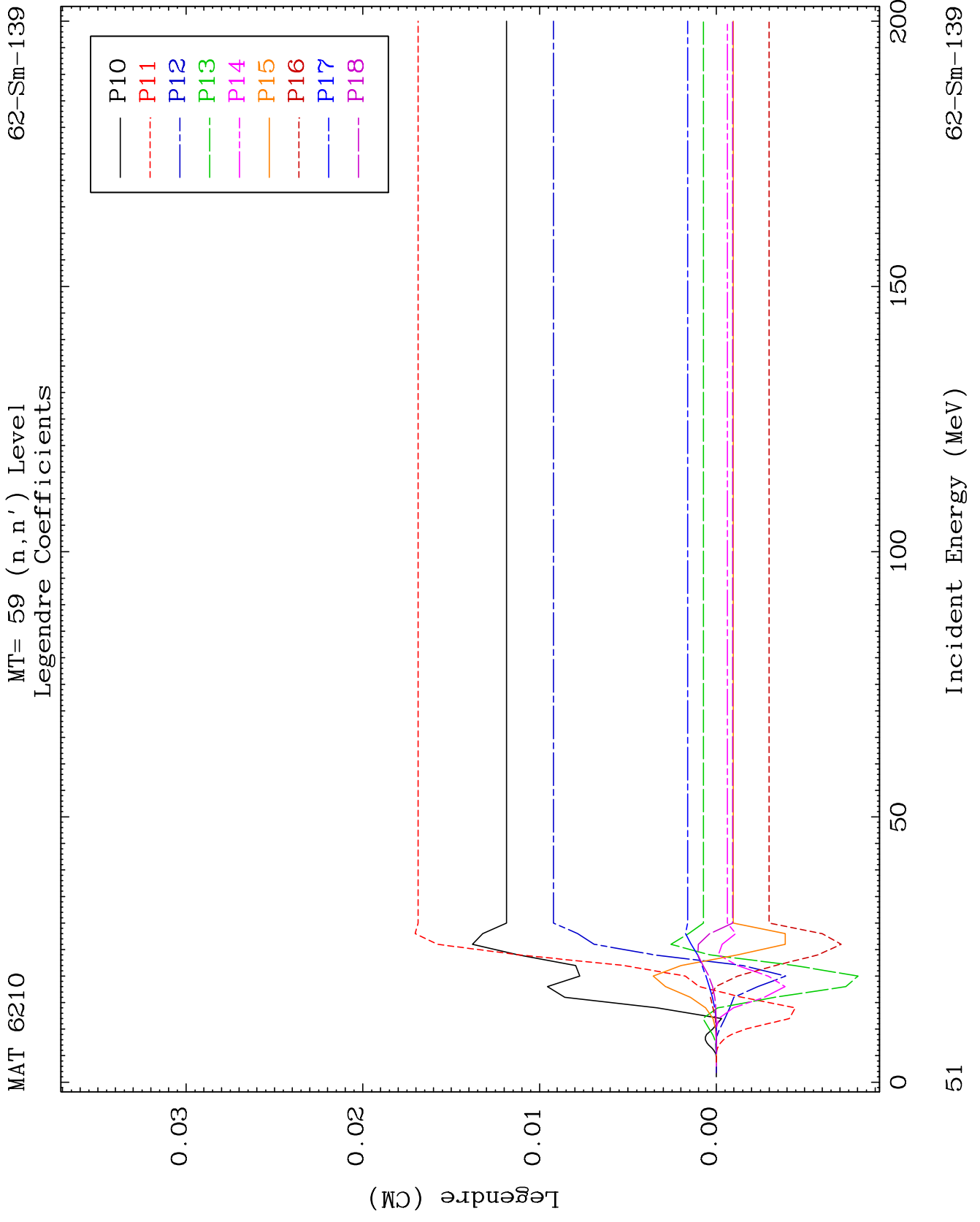


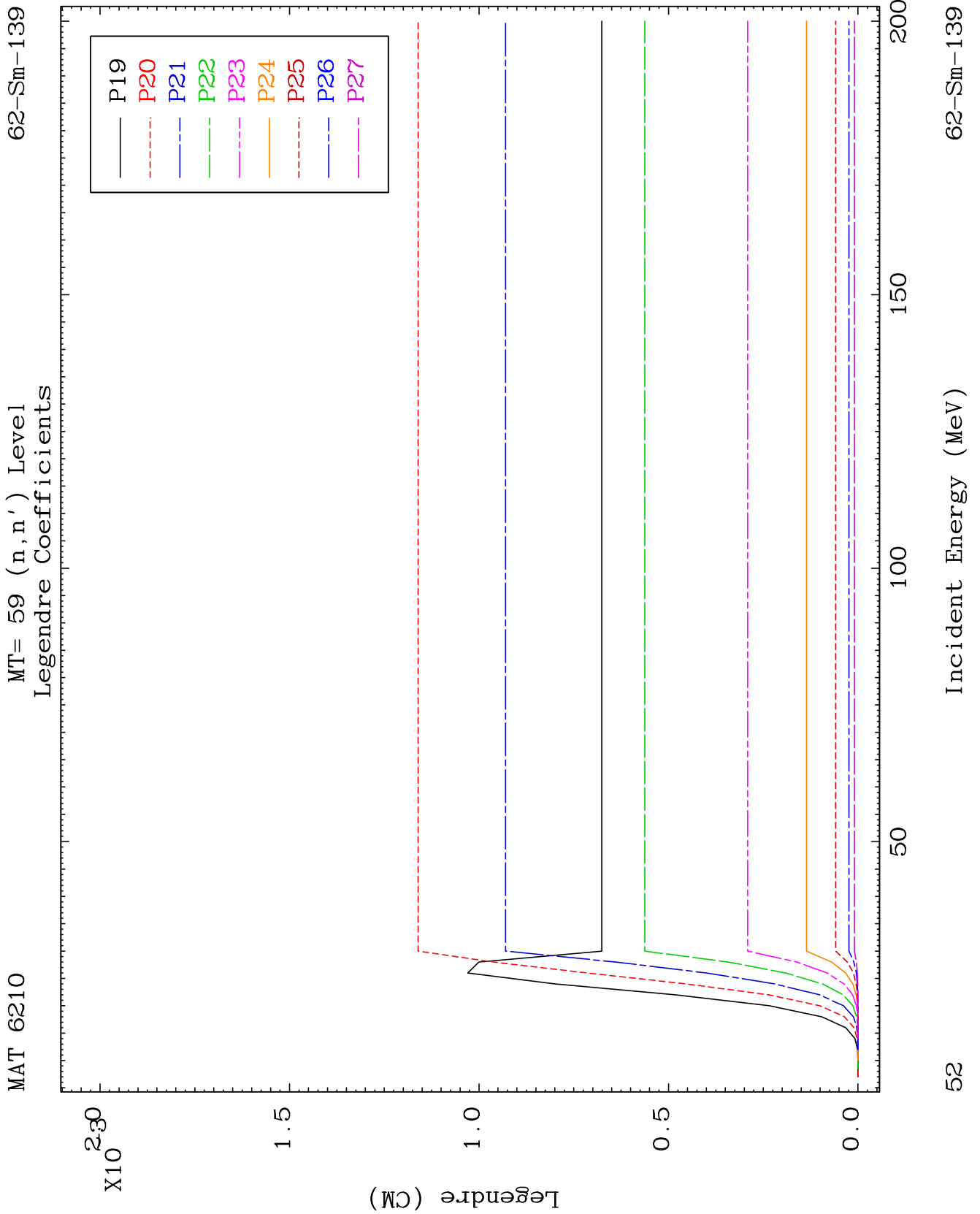
48

Incident Energy (MeV)

62-Sm-139



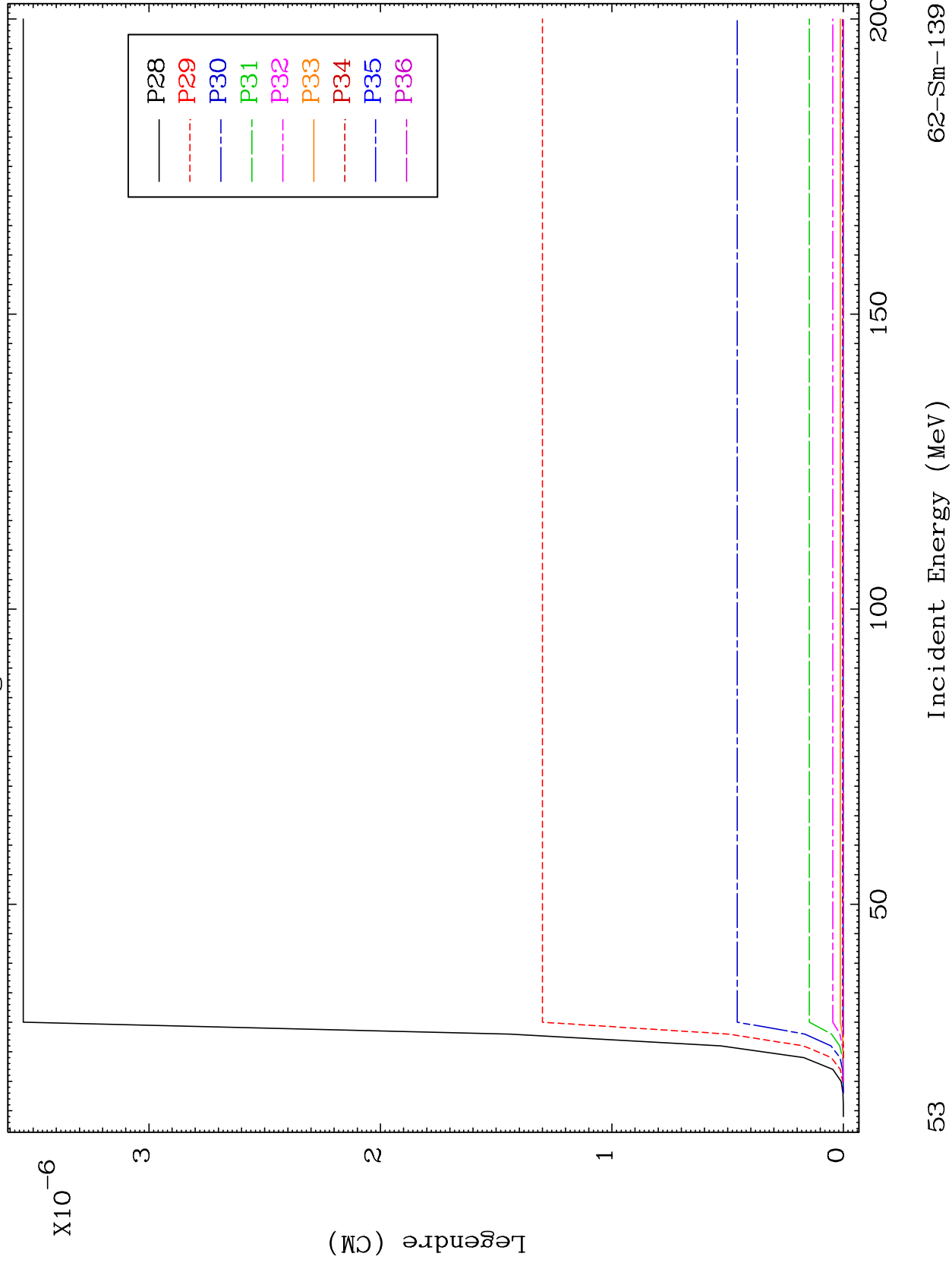




MAT 6210

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

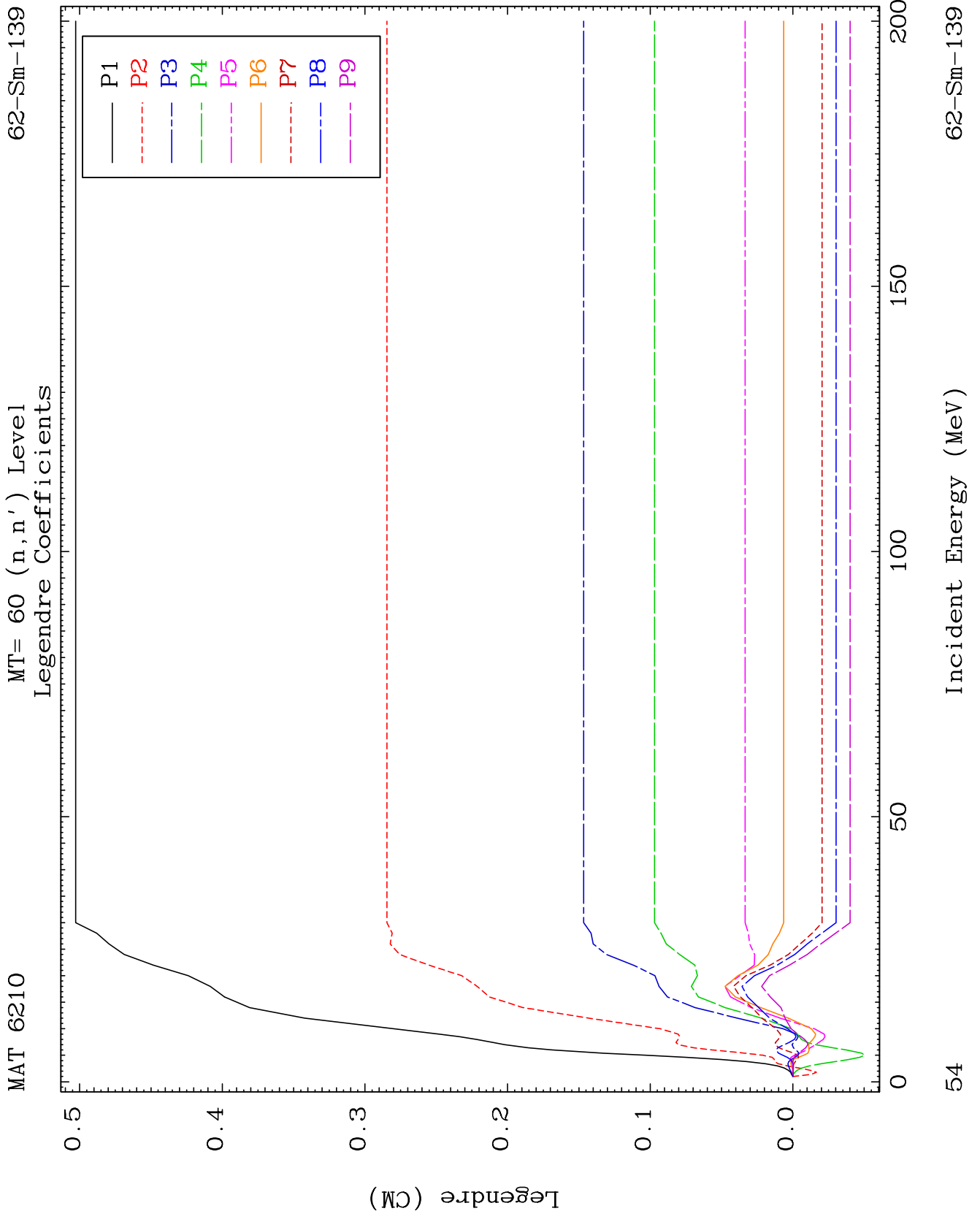
62-Sm-139

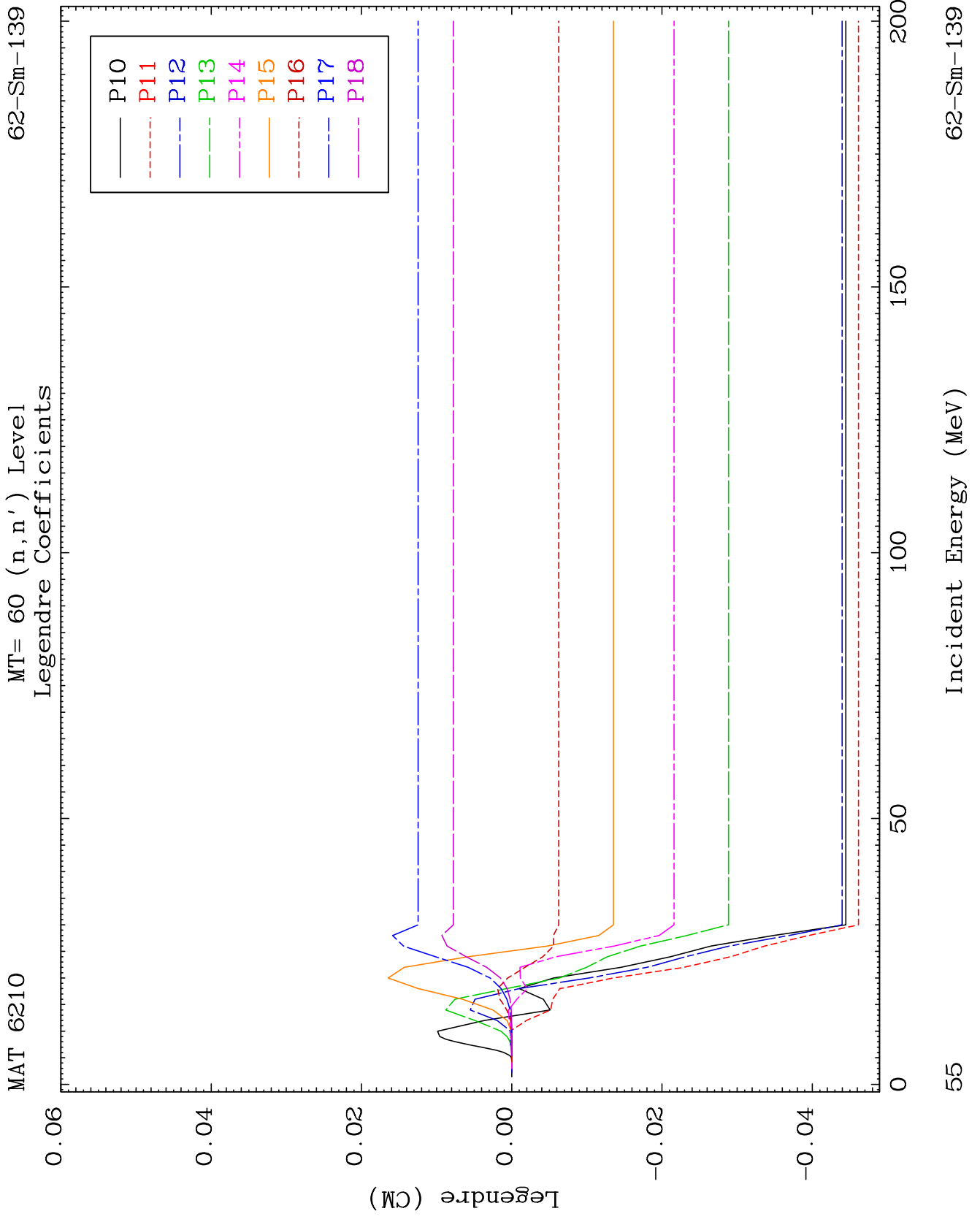


53

Incident Energy (MeV)

62-Sm-139

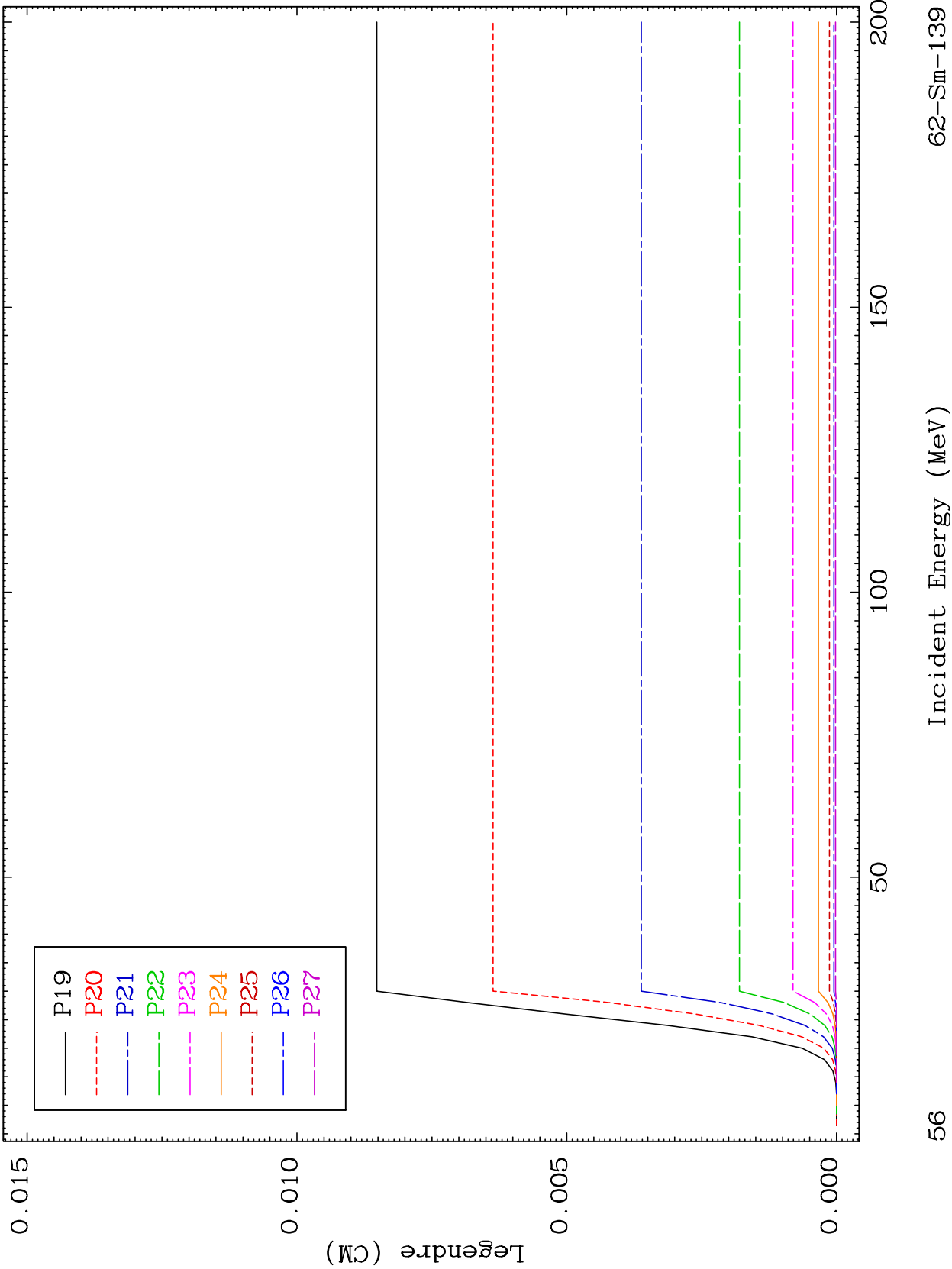




MAT 6210

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

62-Sm-139



56

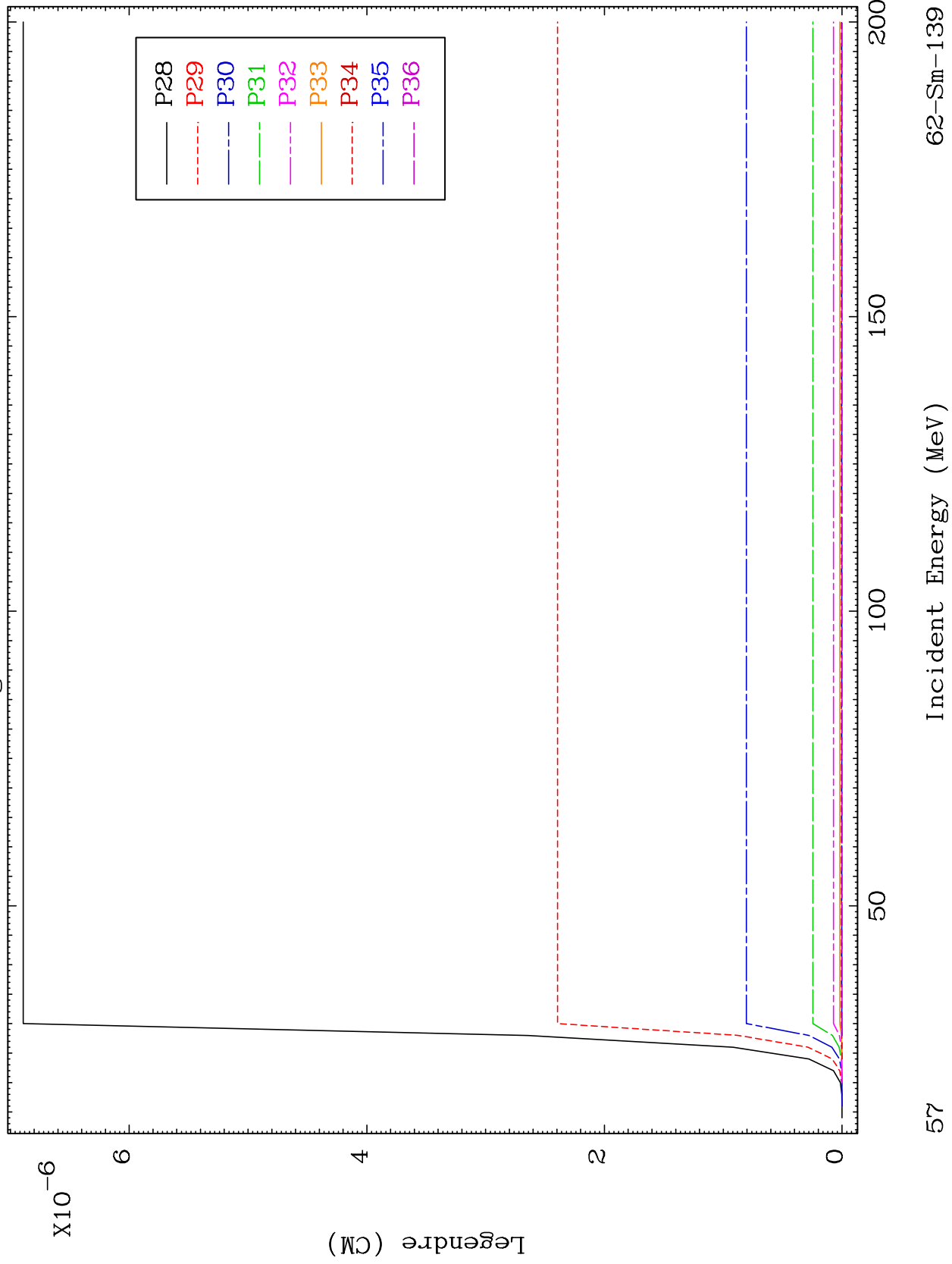
Incident Energy (MeV)

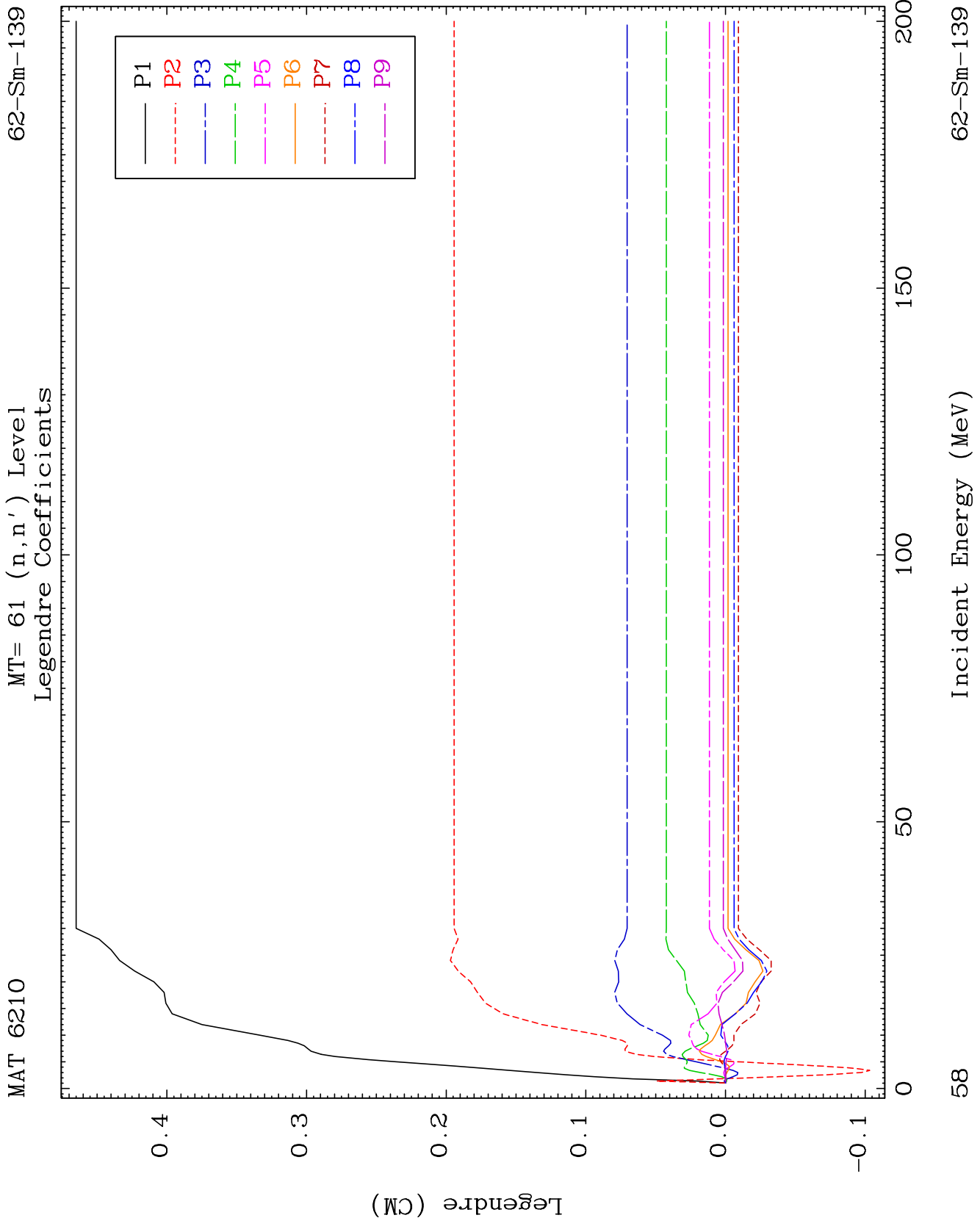
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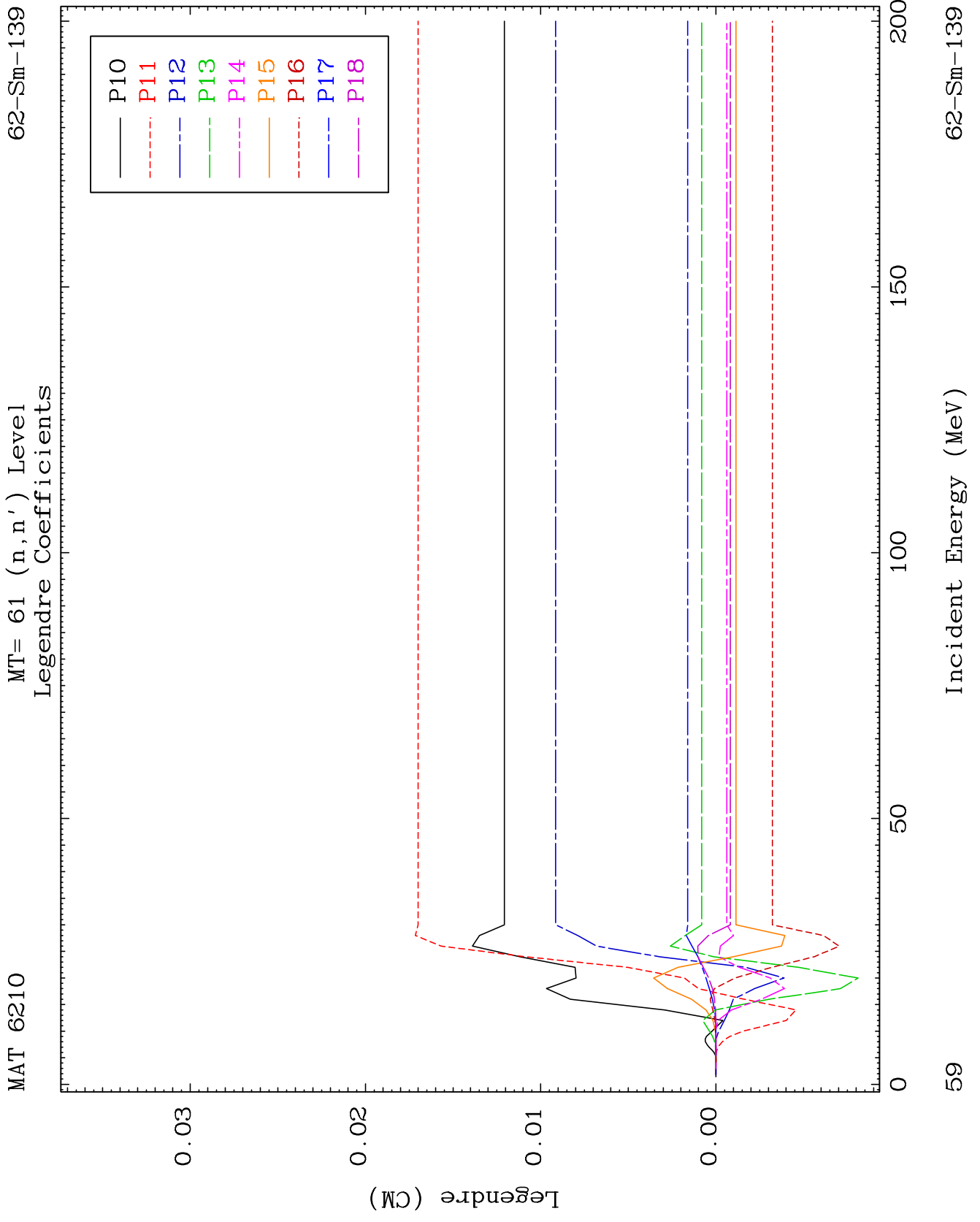
MAT 6210

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

62-Sm-139



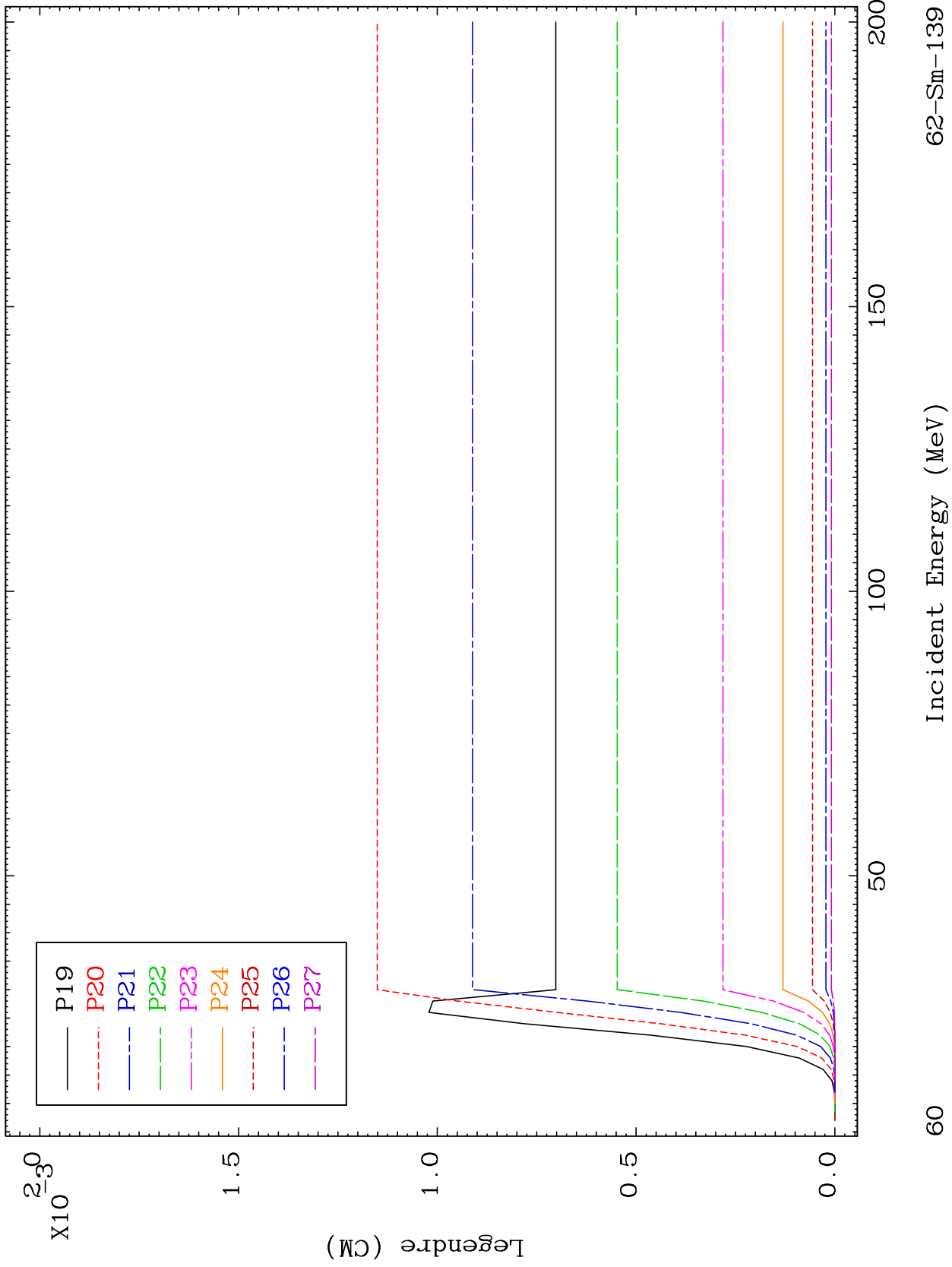




MAT 6210

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

62-Sm-139



62-Sm-139

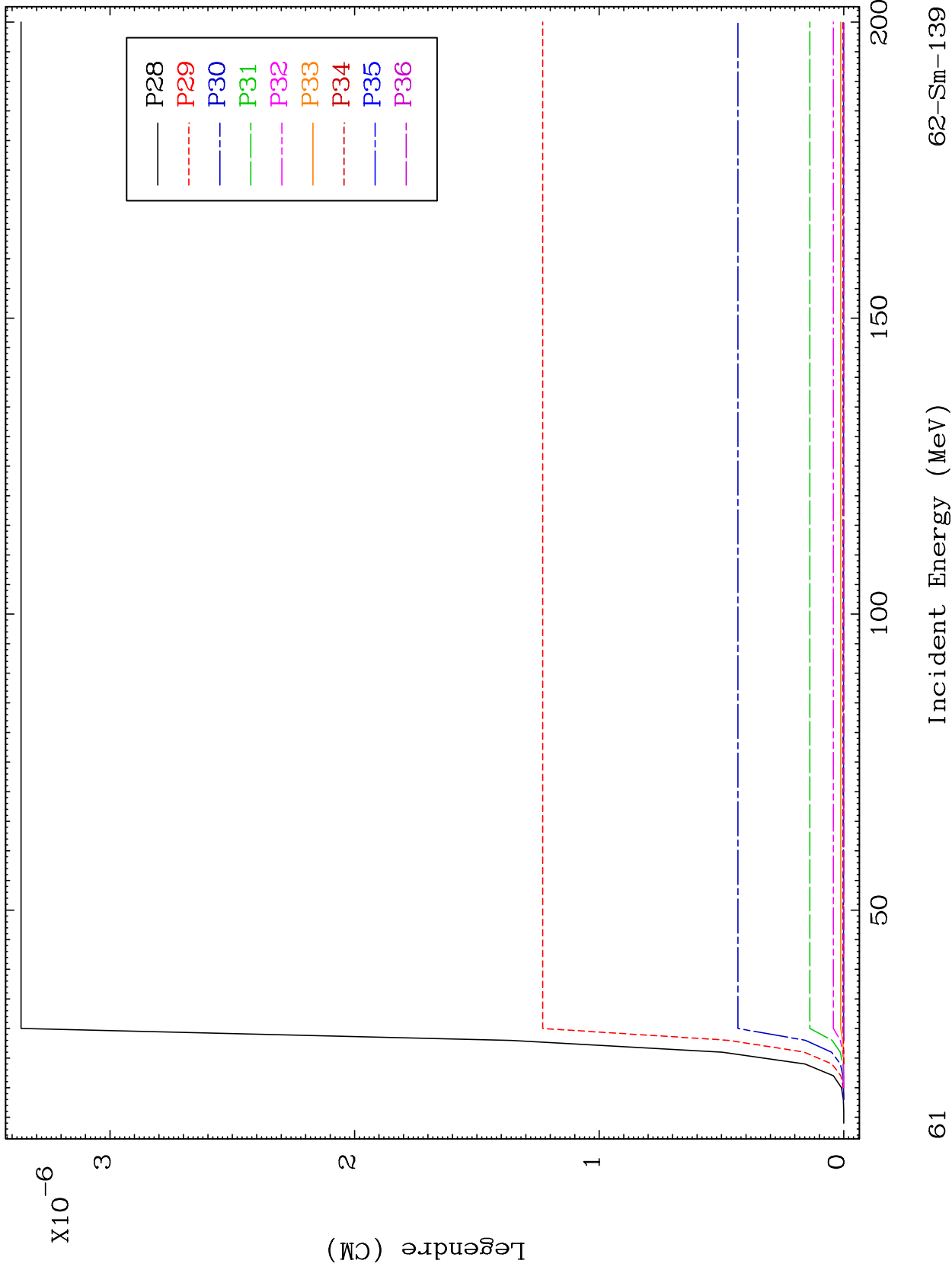
Incident Energy (MeV)

60

MAT 6210

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

62-Sm-139



61

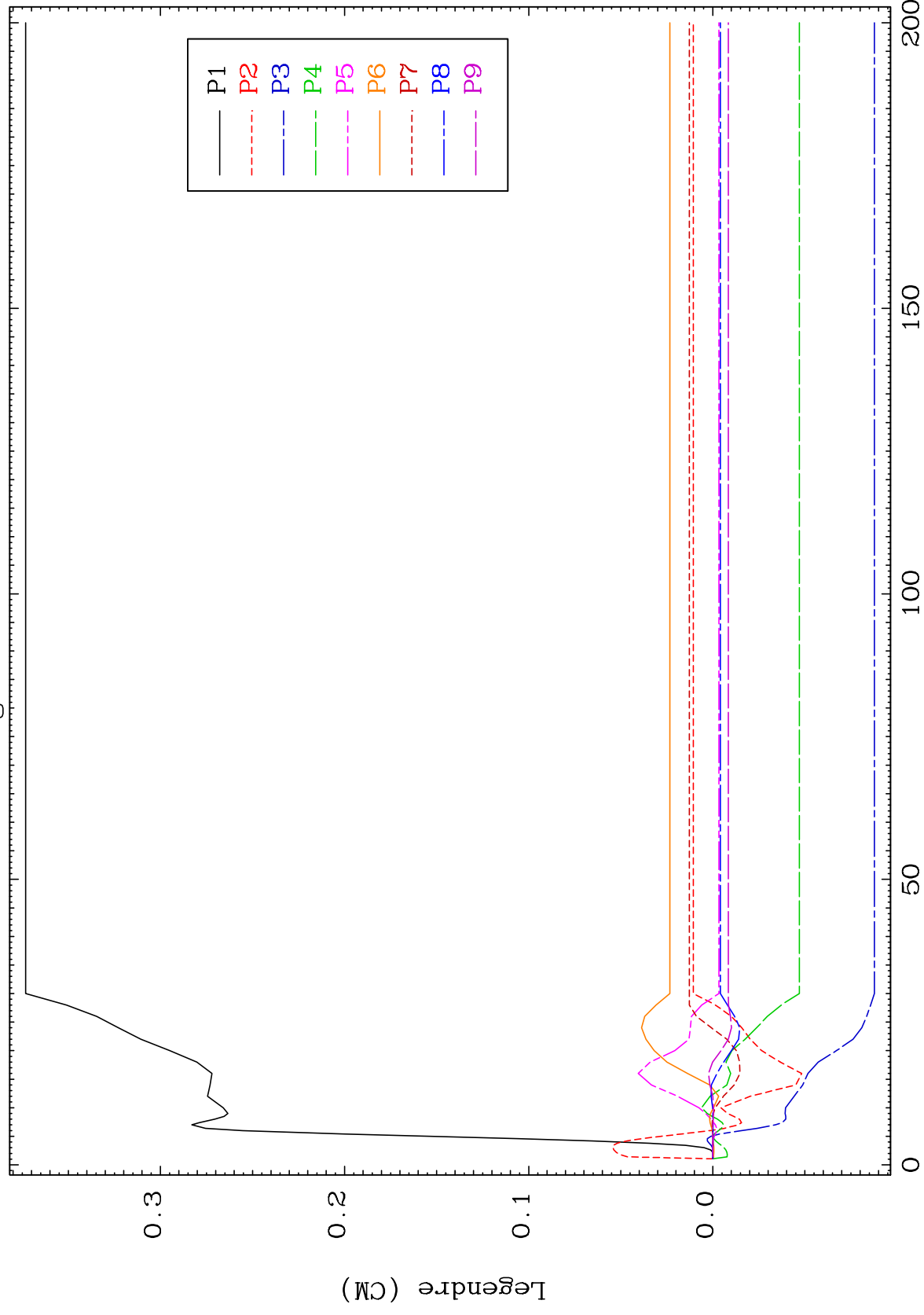
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



62-Sm-139

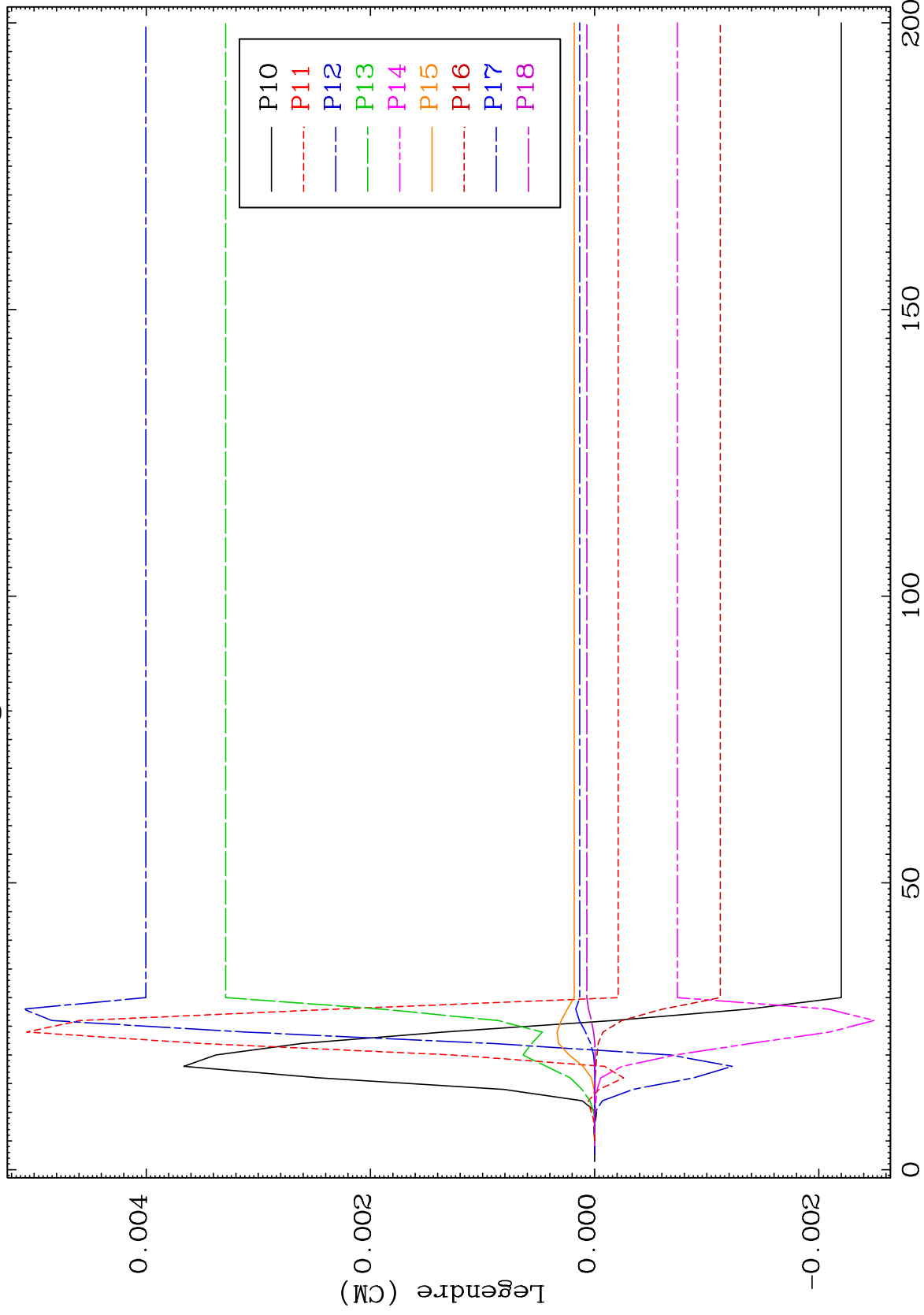
Incident Energy (MeV)

62

MAT 6210

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

62-Sm-139



63

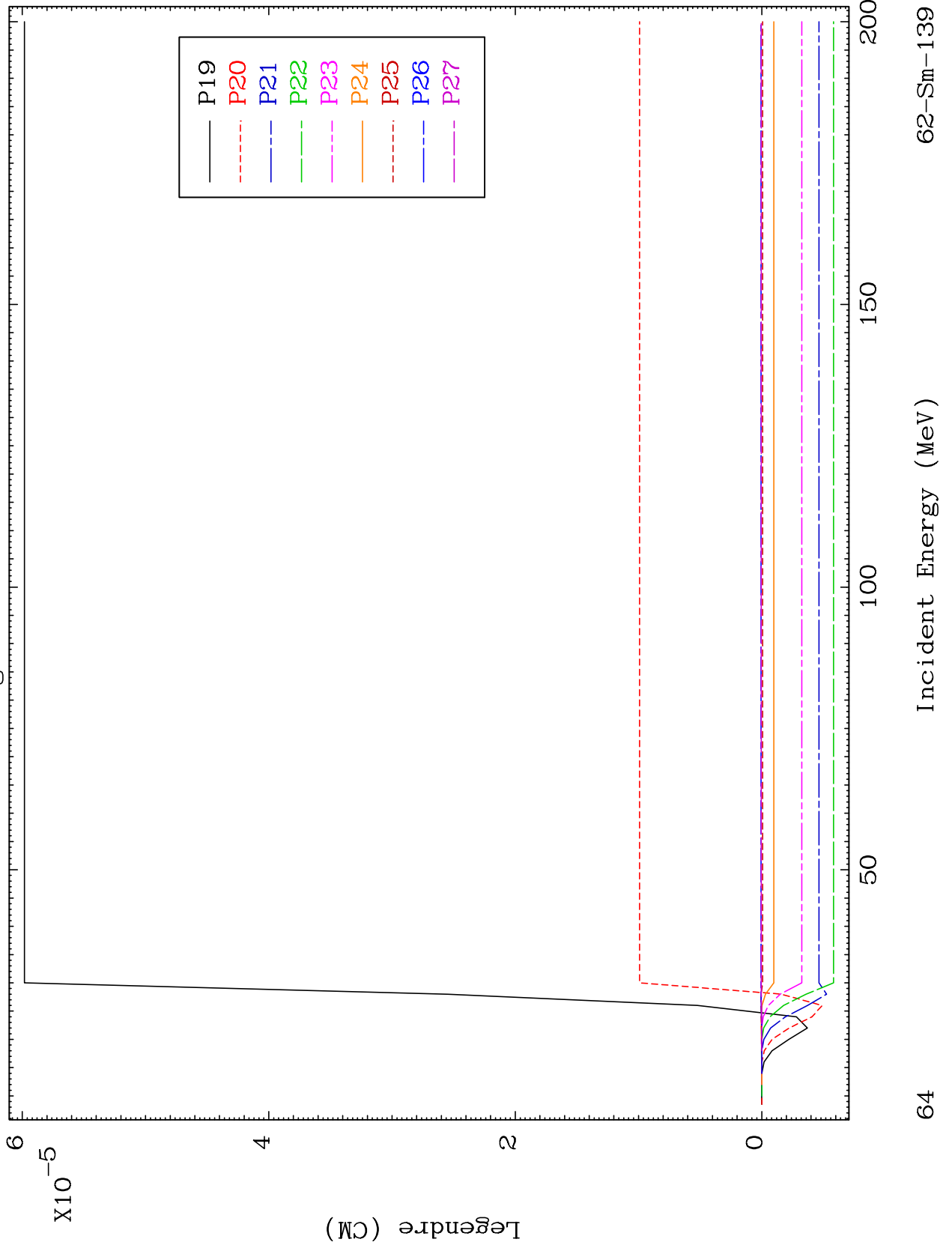
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



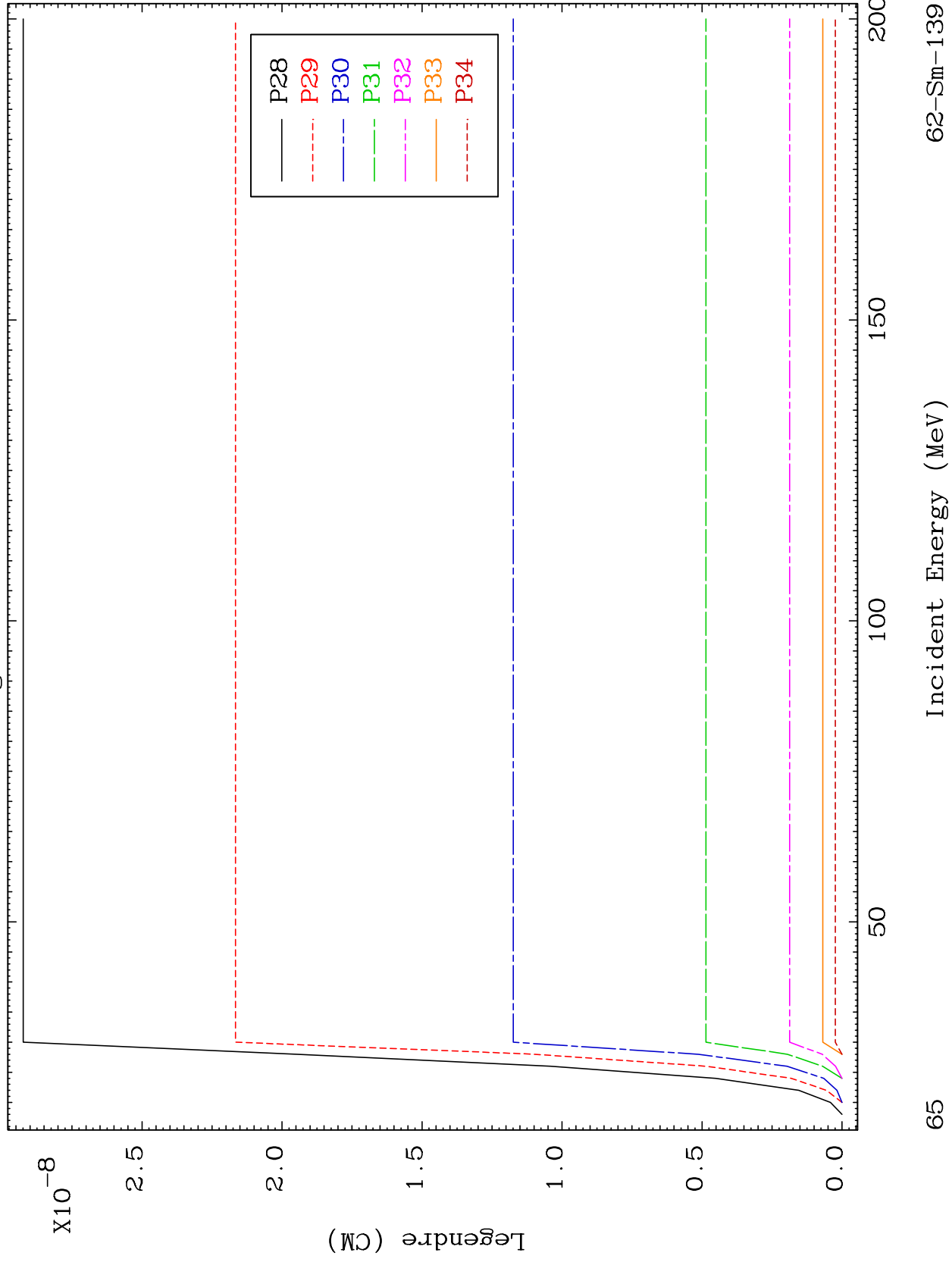
64

62-Sm-139

MAT 6210

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

62-Sm-139



65

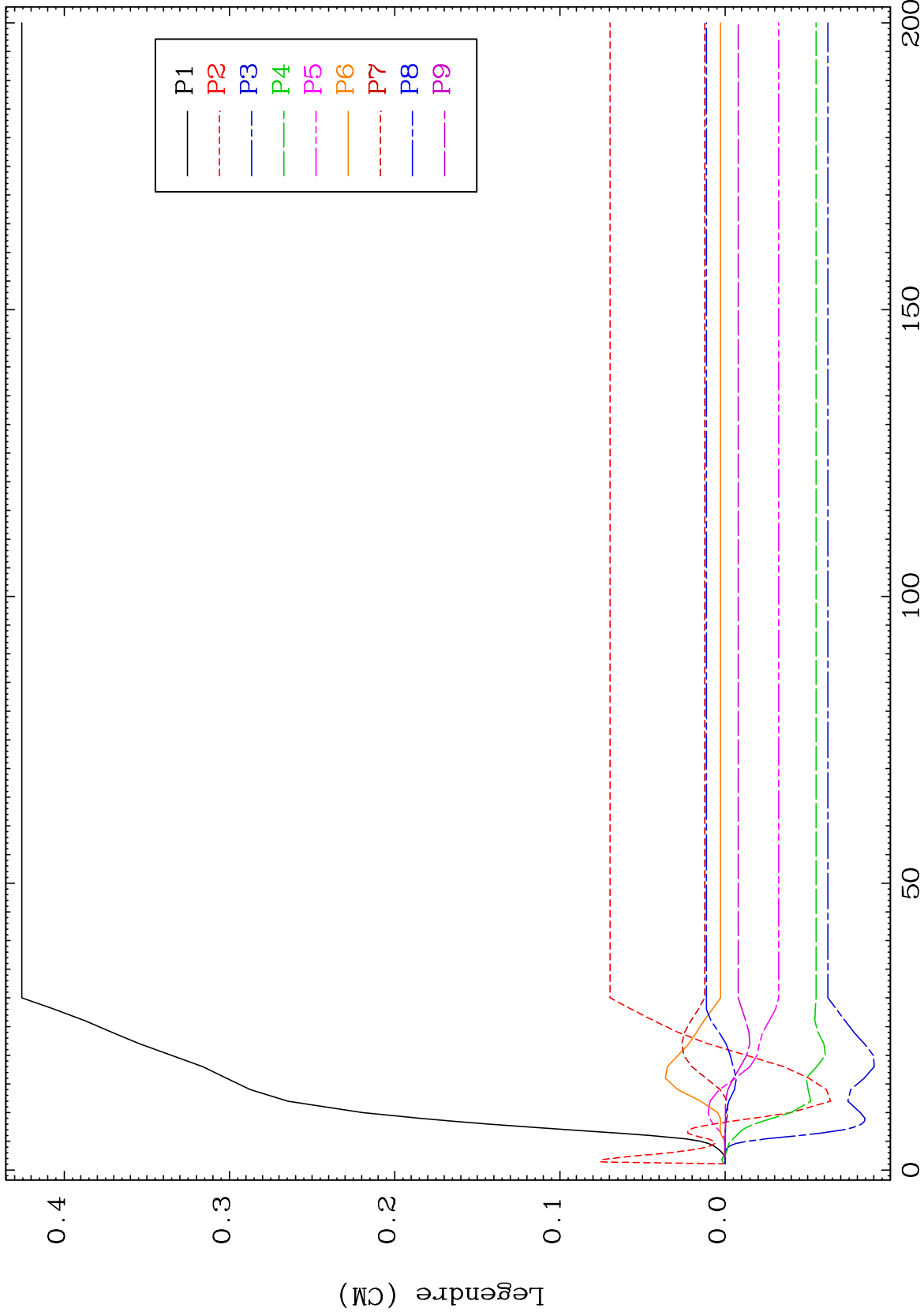
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

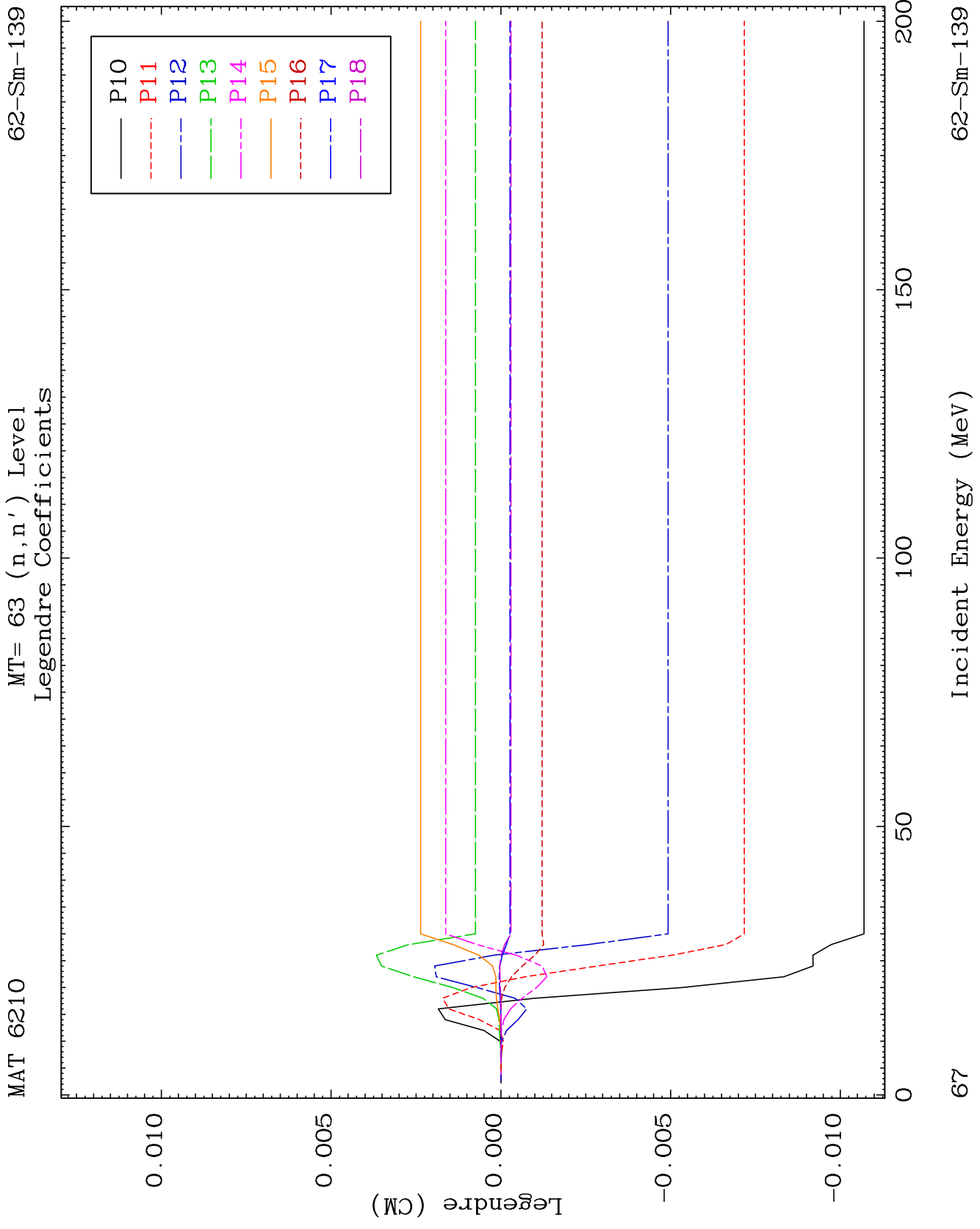
62-Sm-139



66

Incident Energy (MeV)

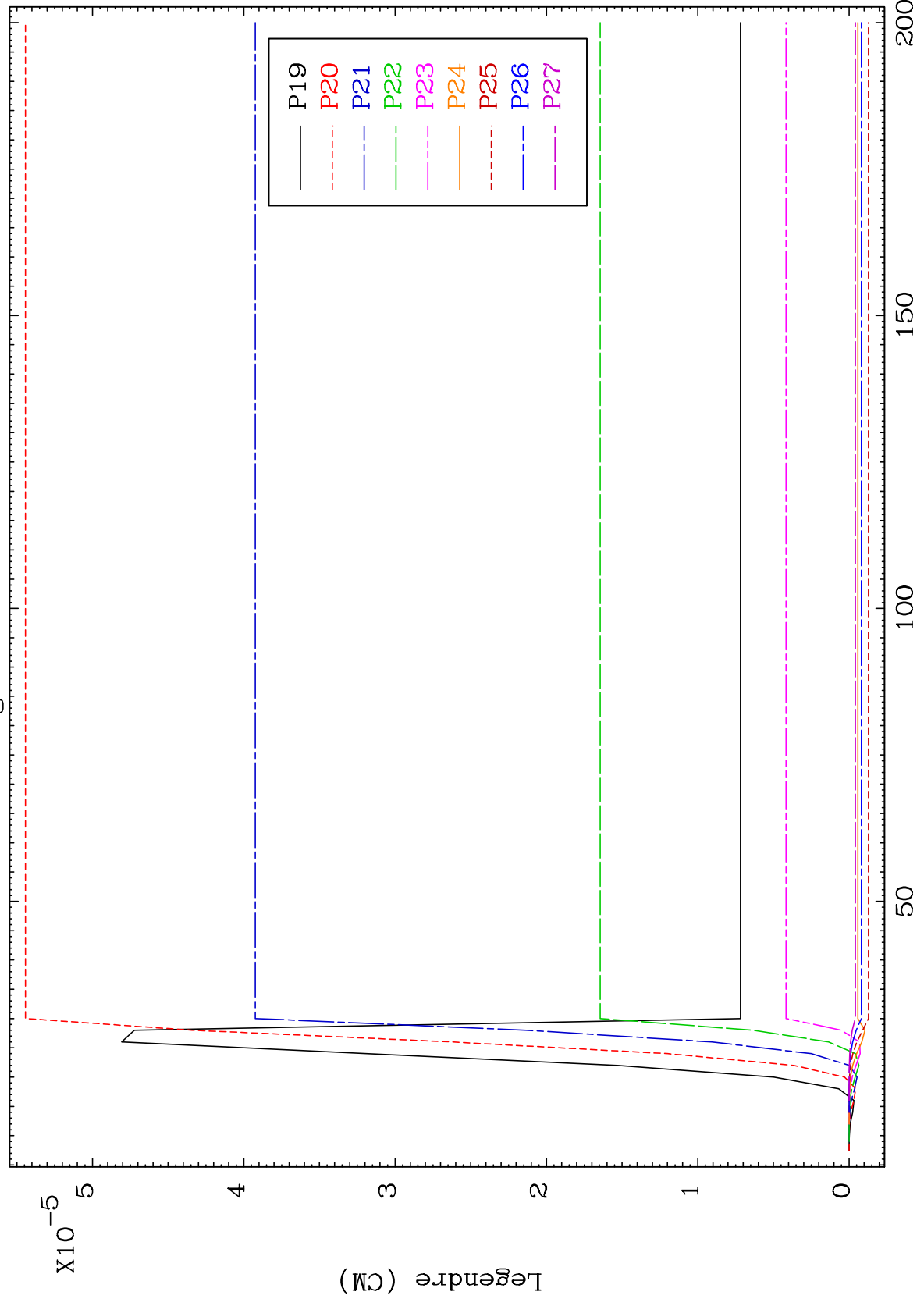
62-Sm-139



MAT 6210

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

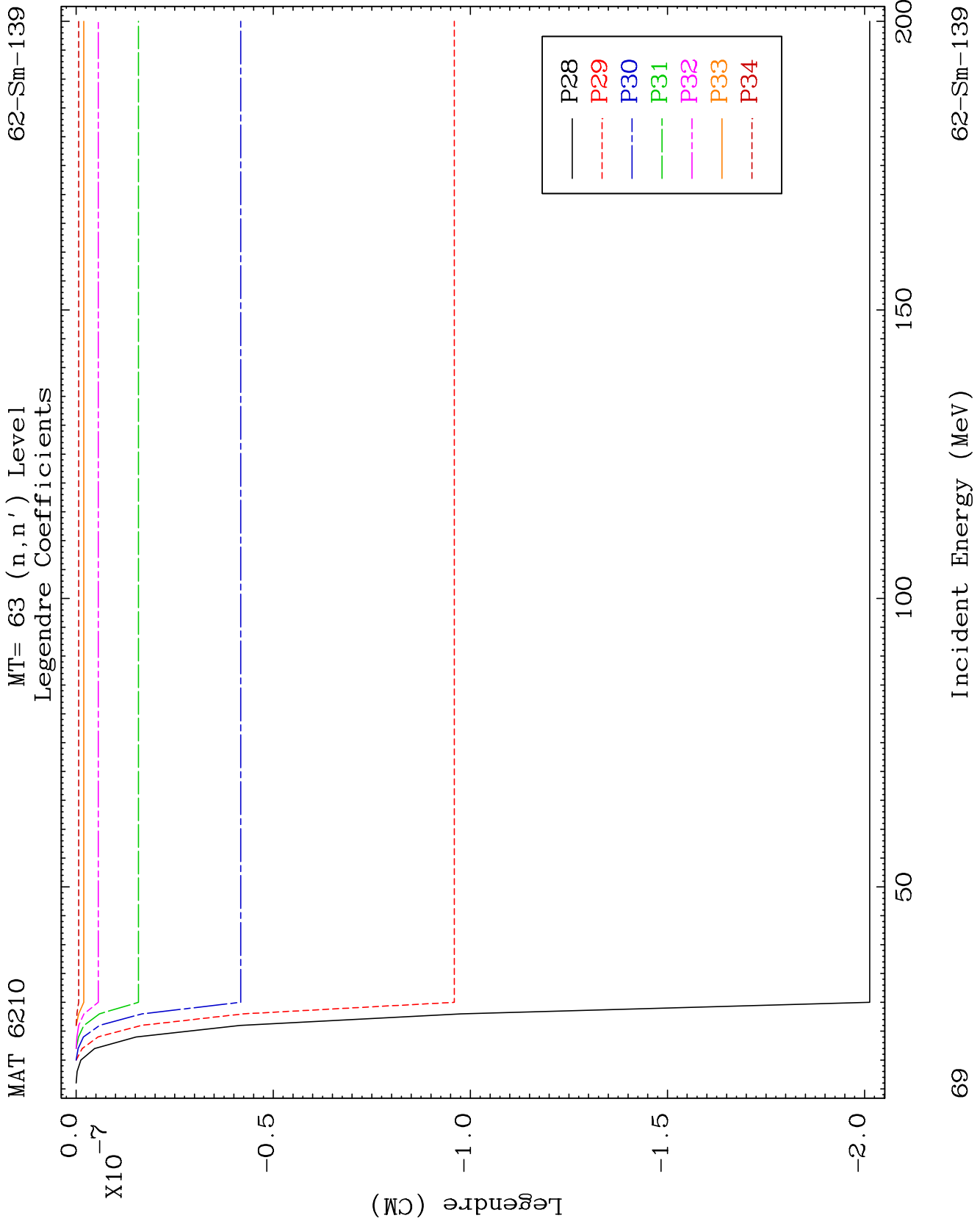
62-Sm-139



62-Sm-139

Incident Energy (MeV)

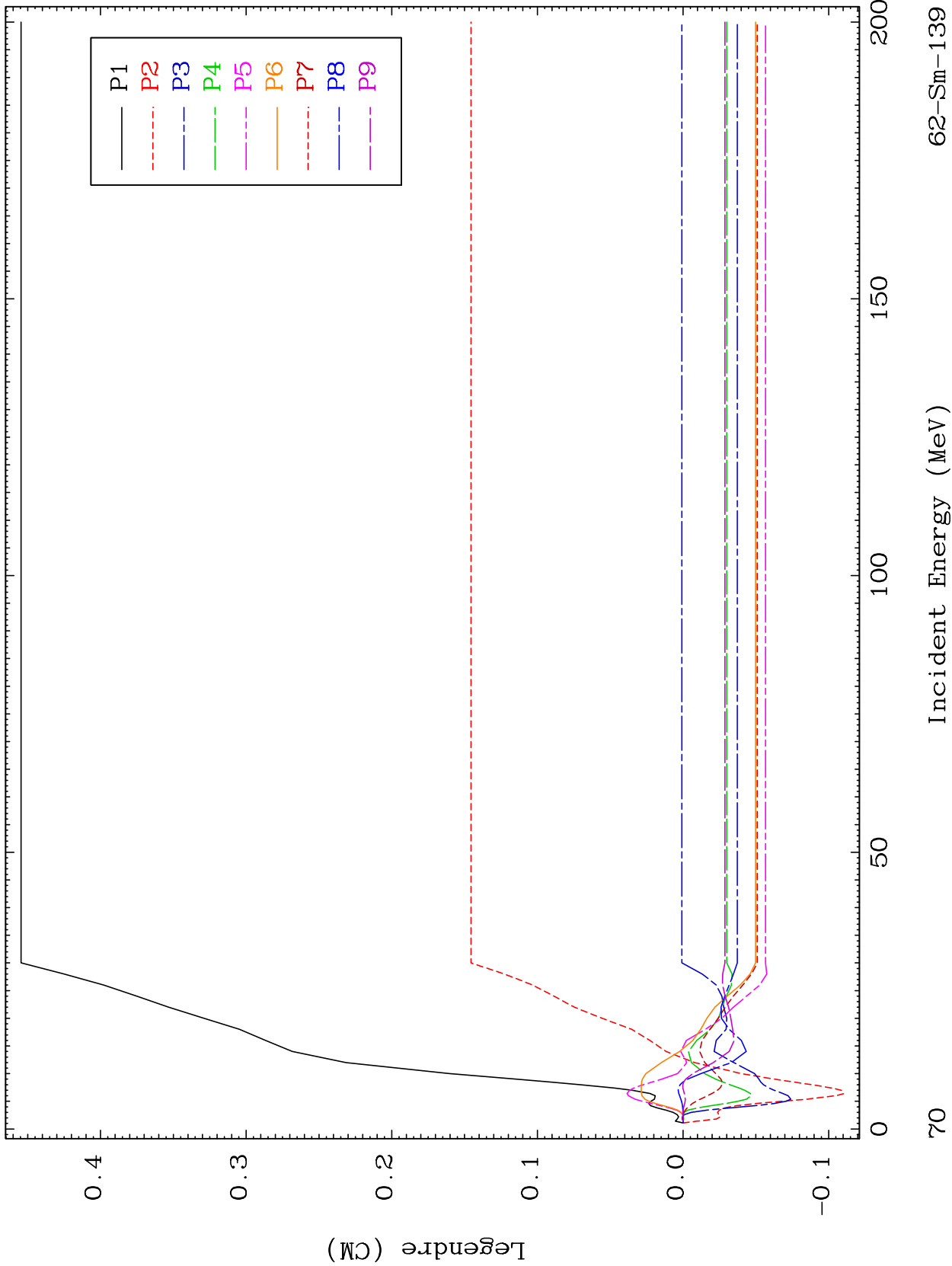
68



MAT 6210

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

62-Sm-139



62-Sm-139

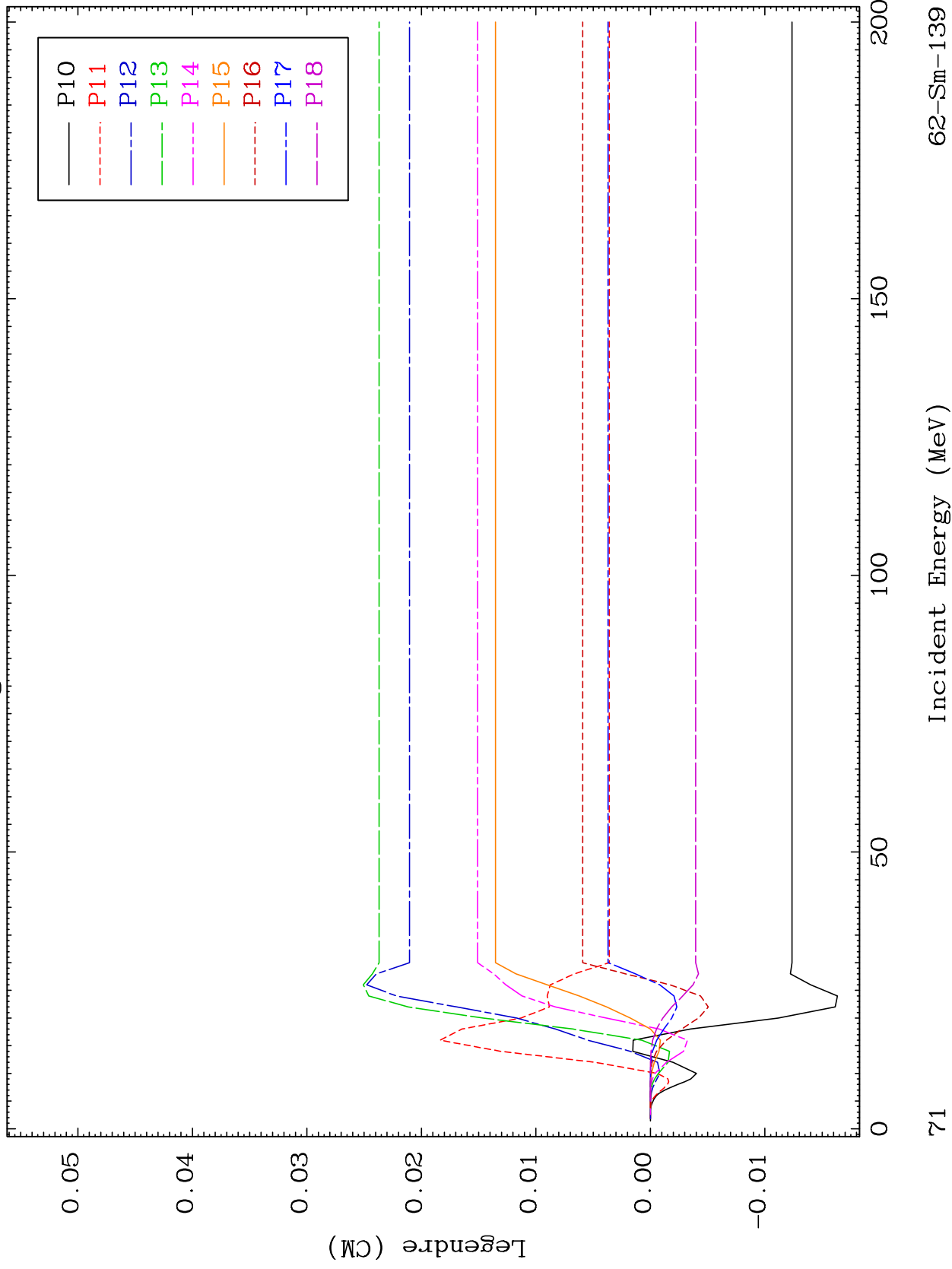
Incident Energy (MeV)

70

MAT 6210

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

62-Sm-139



71

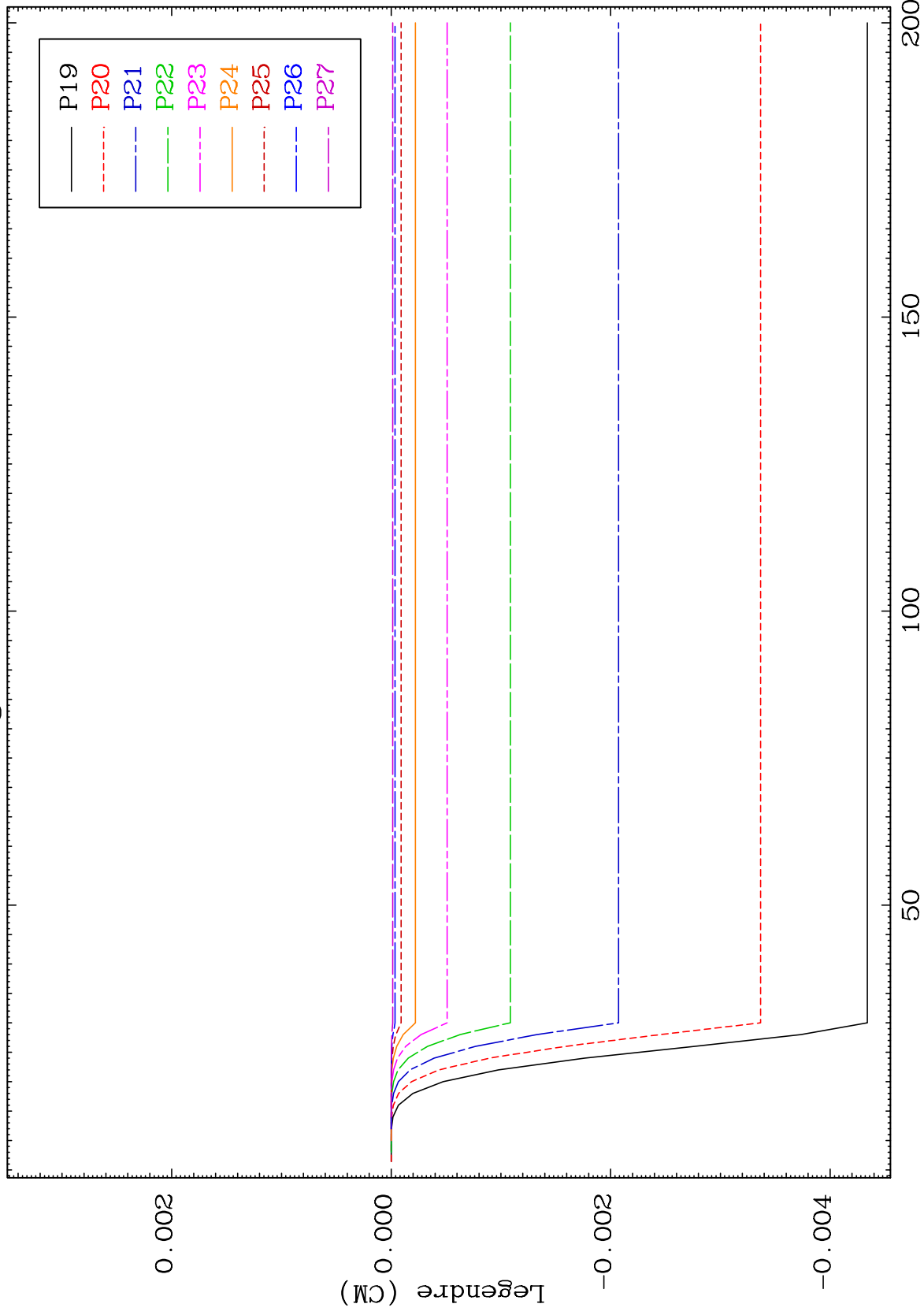
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

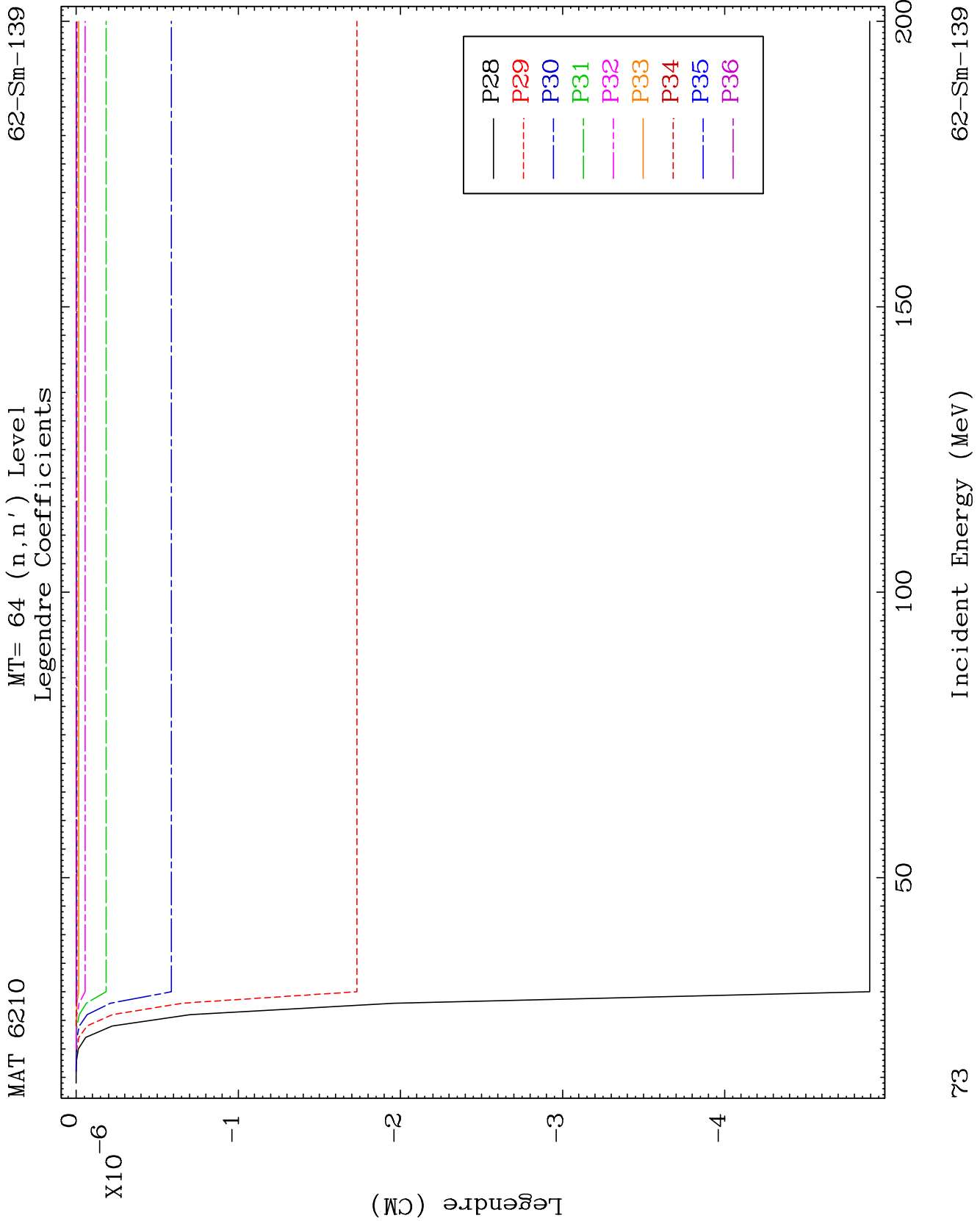
62-Sm-139



72

Incident Energy (MeV)

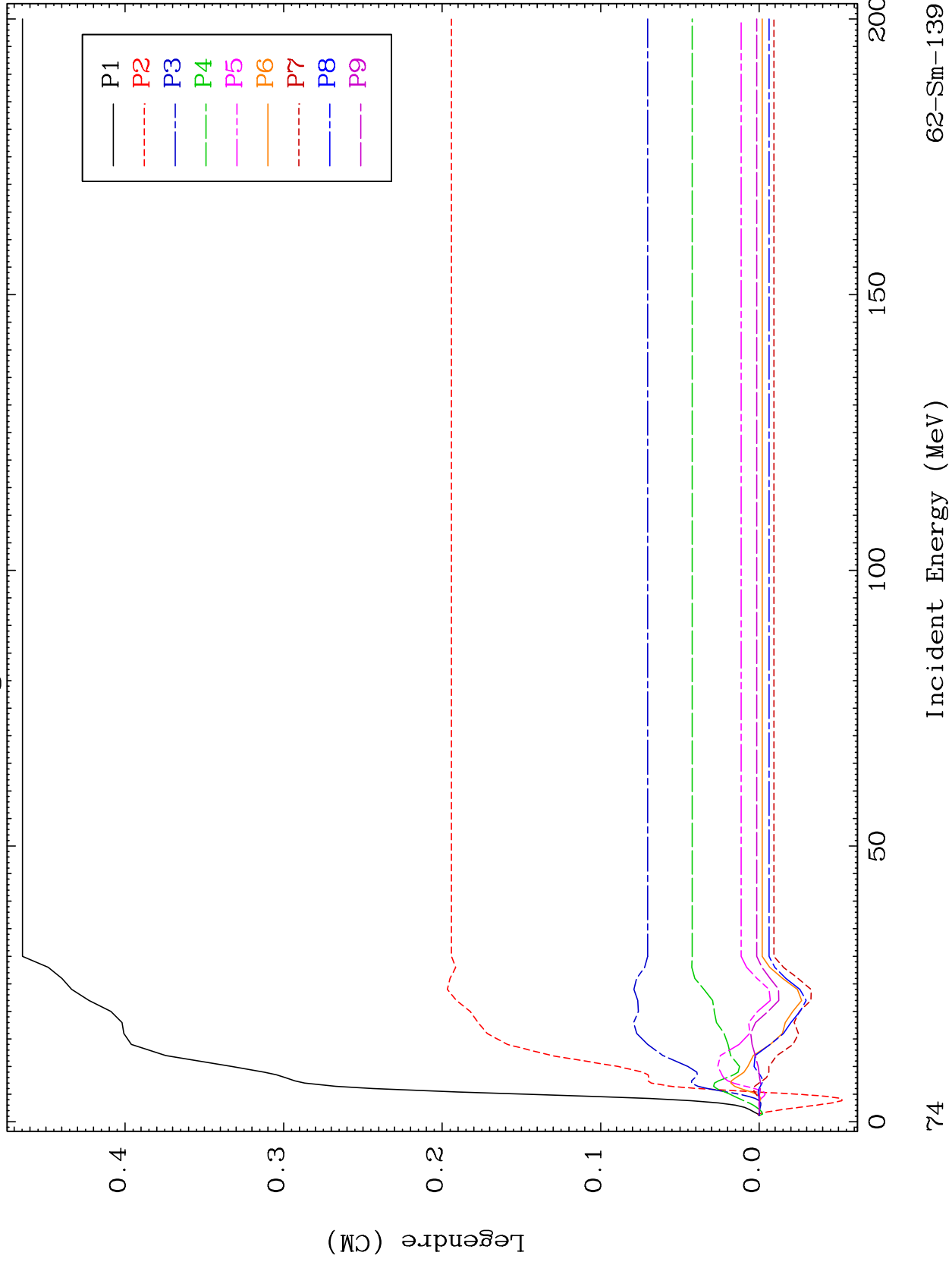
62-Sm-139



MAT 6210

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

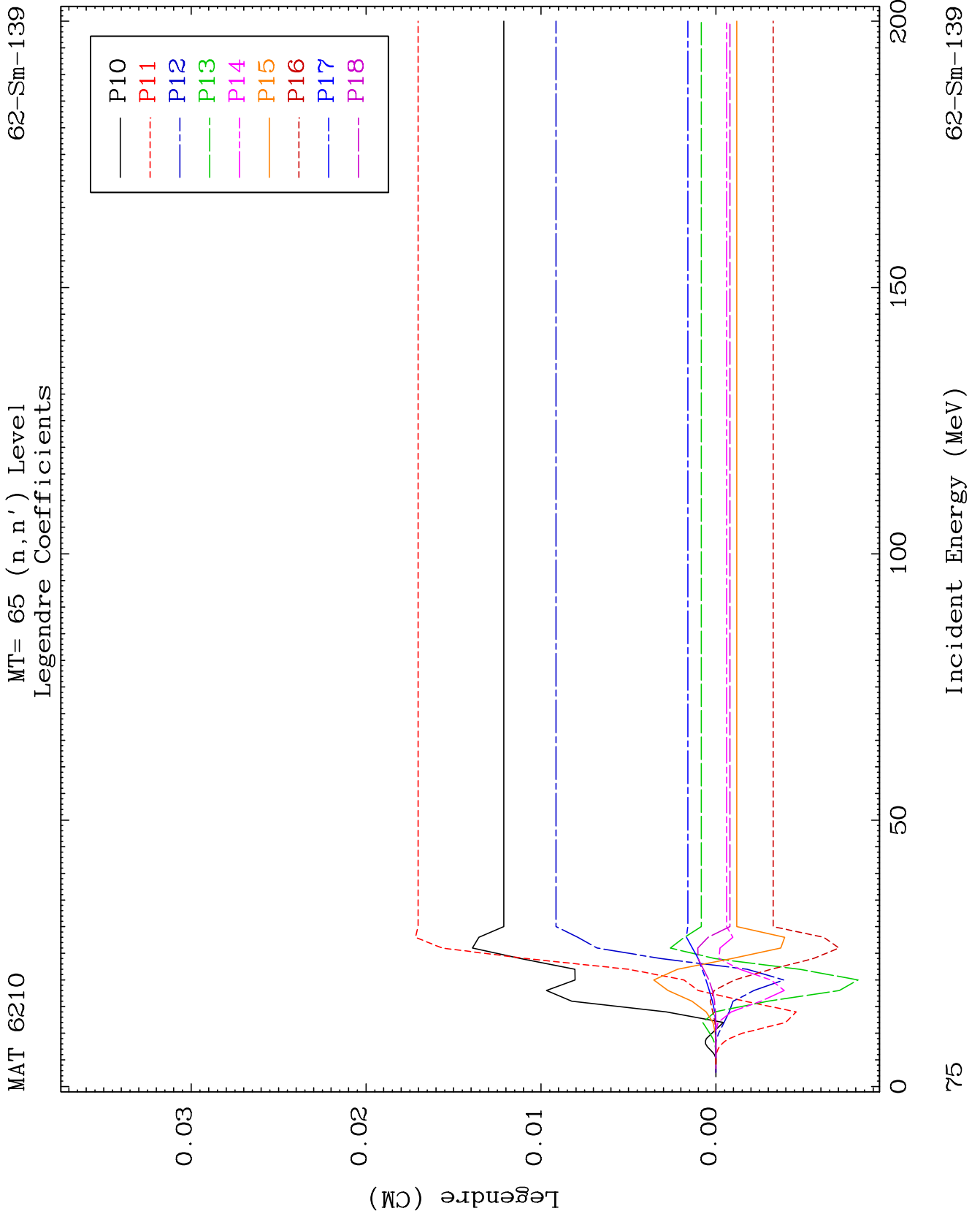
62-Sm-139



62-Sm-139

Incident Energy (MeV)

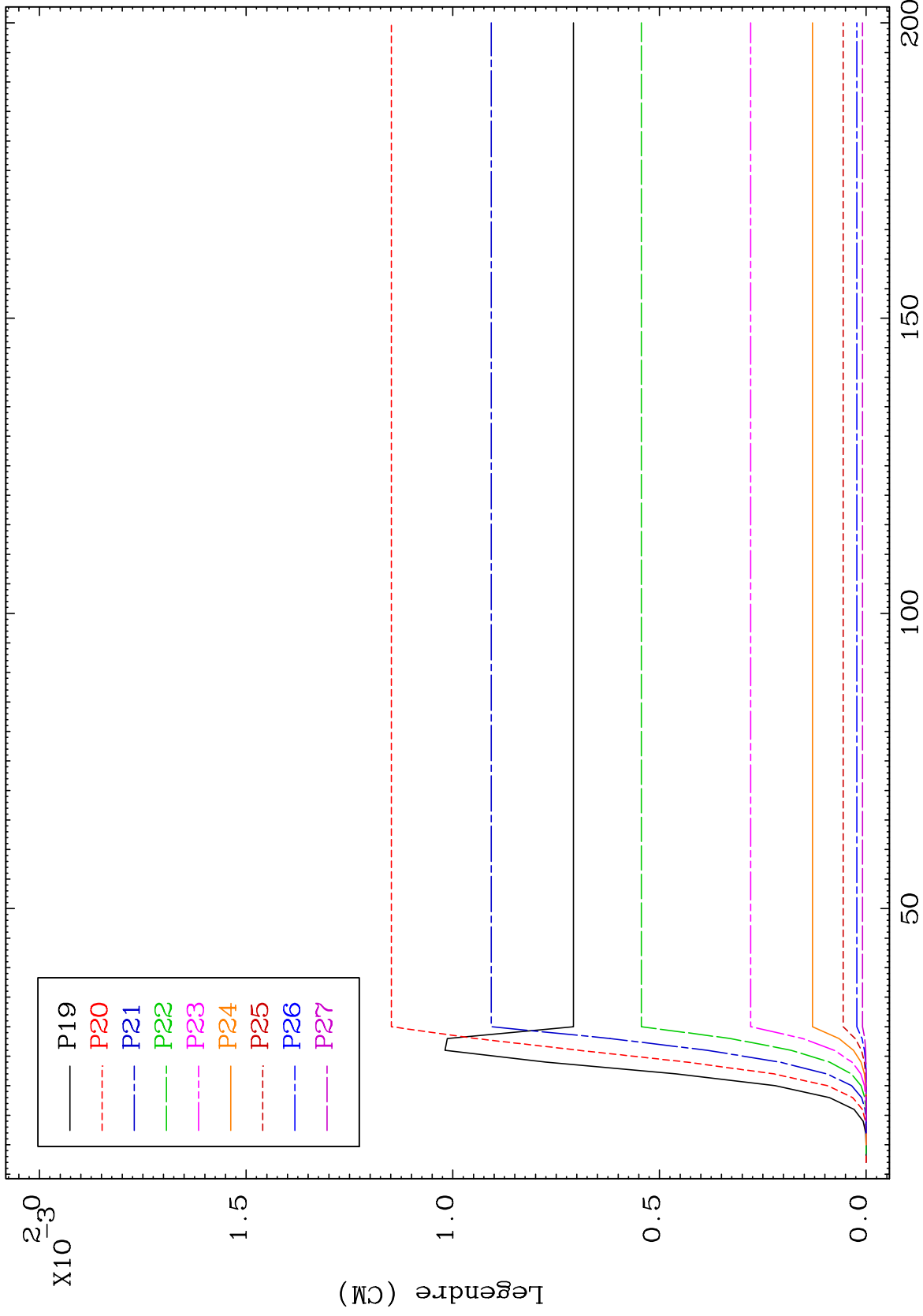
74



MAT 6210

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

62-Sm-139



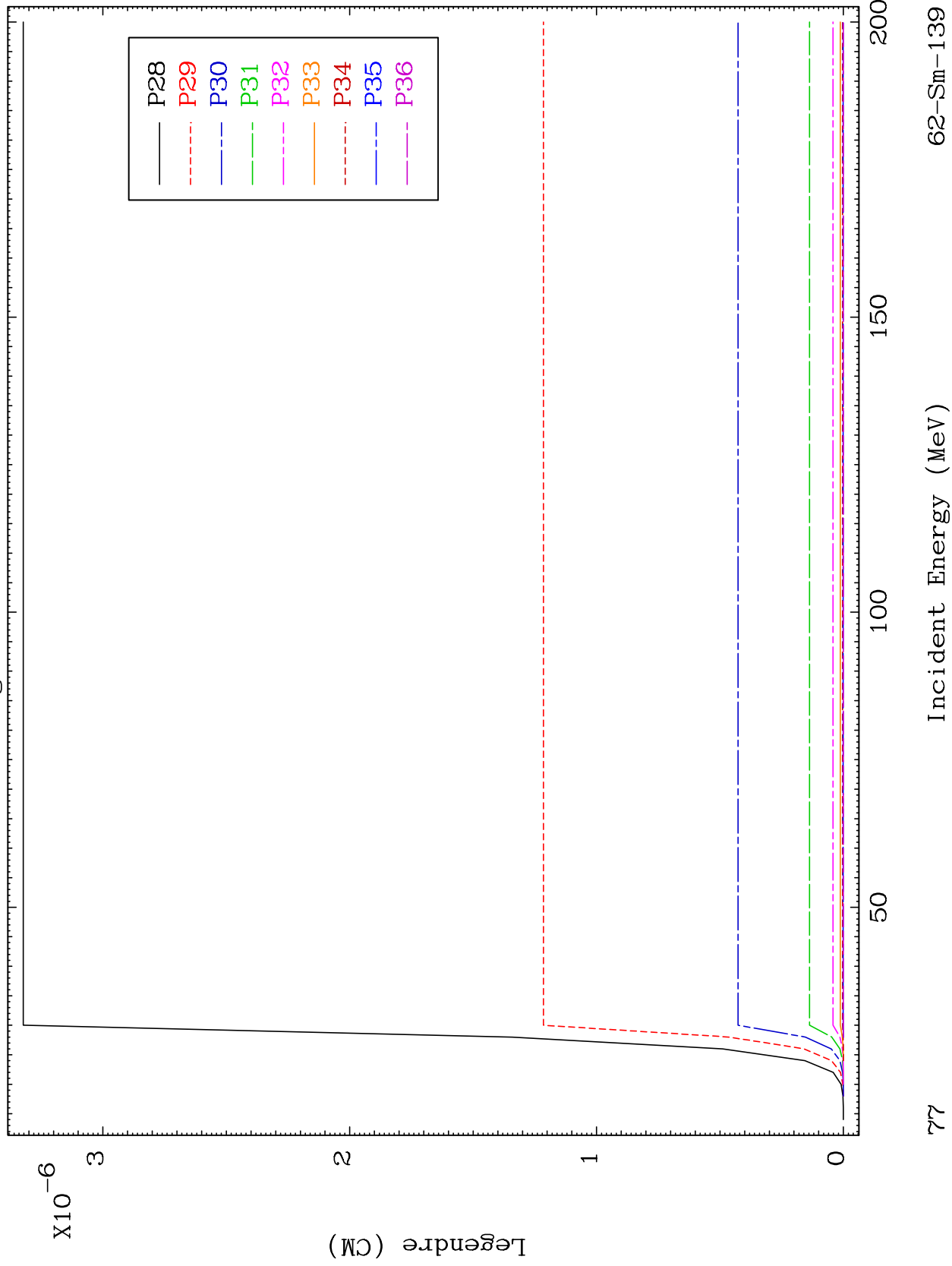
76

62-Sm-139

MAT 6210

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

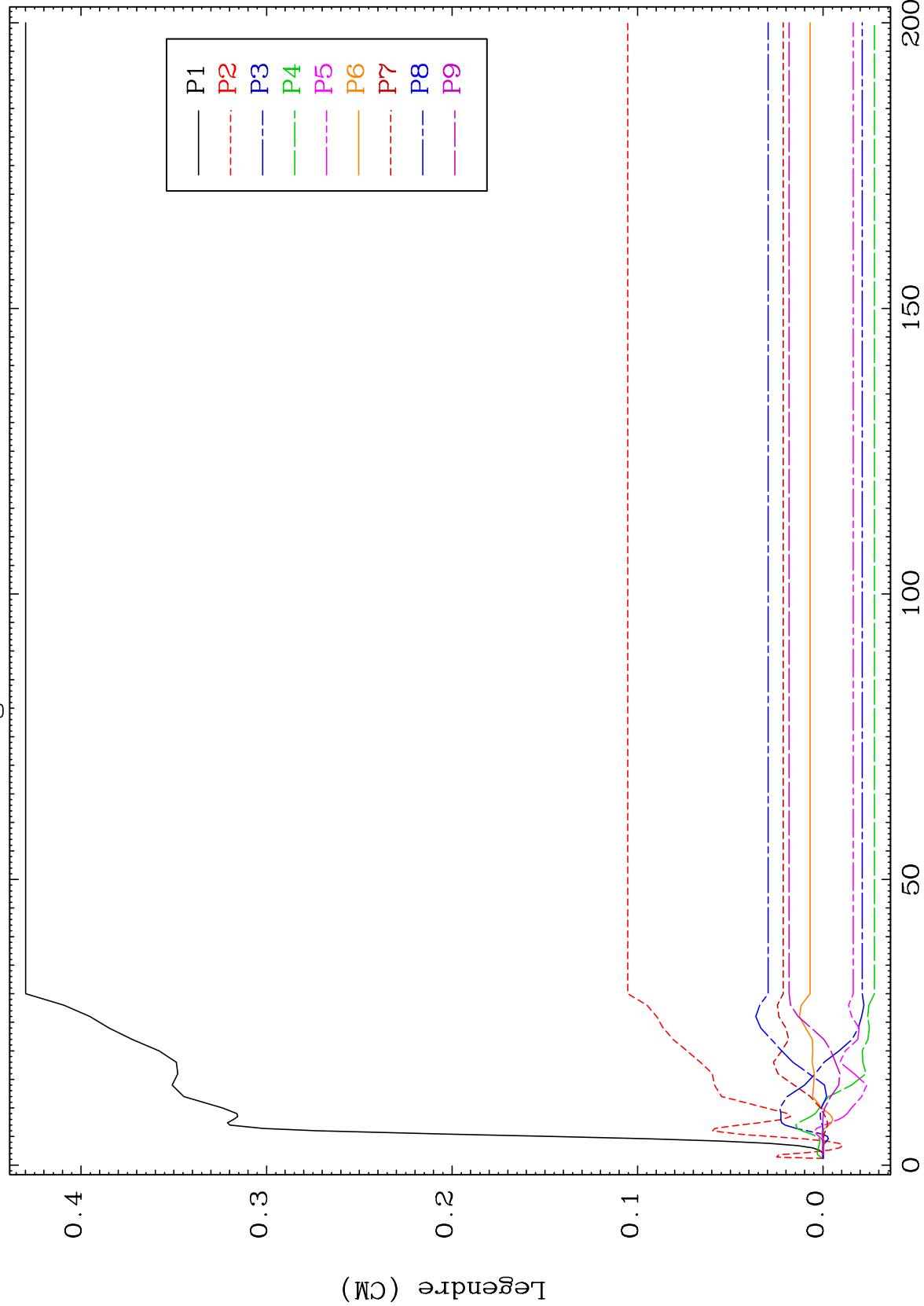
62-Sm-139



MAT 6210

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

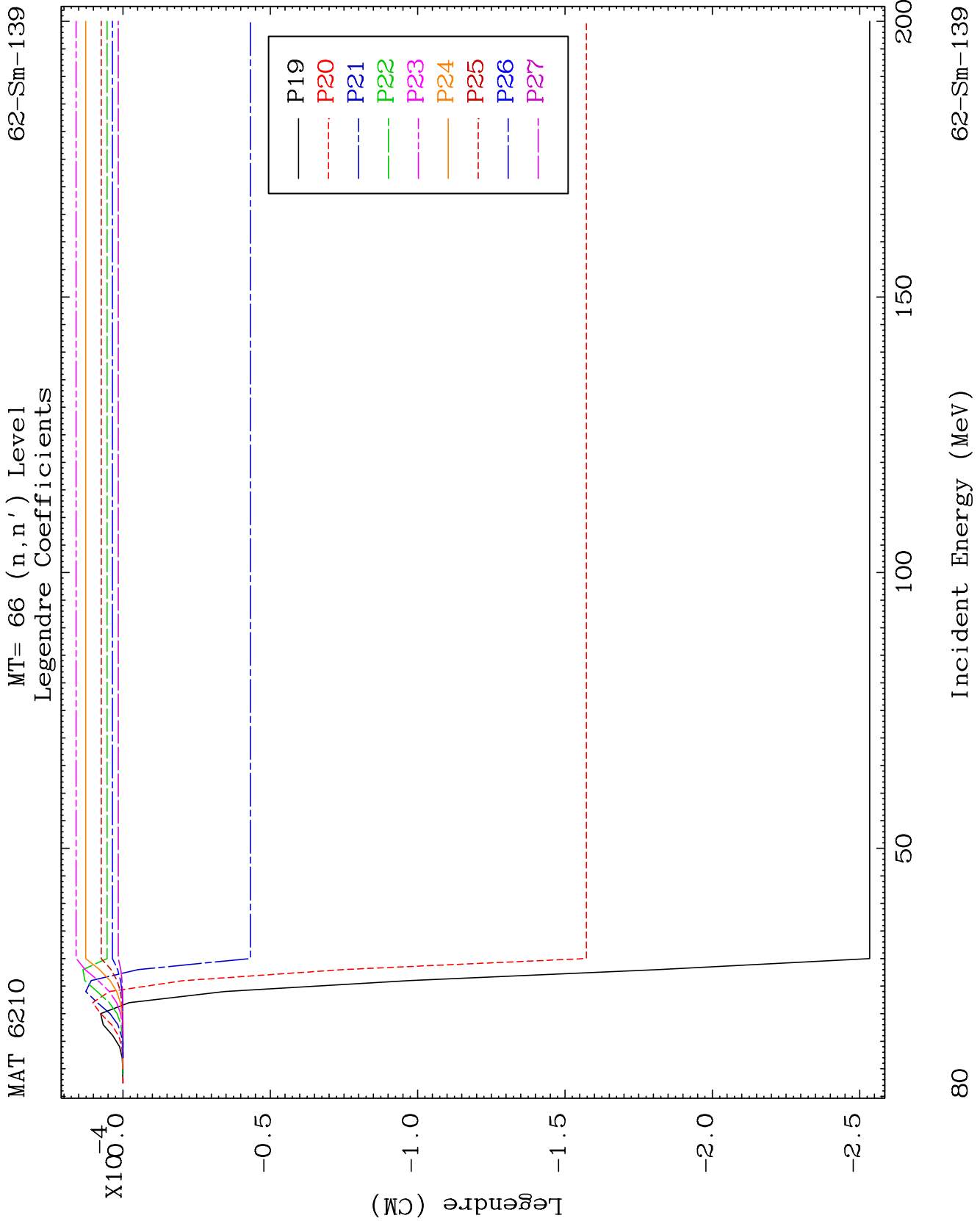
62-Sm-139



78

Incident Energy (MeV)

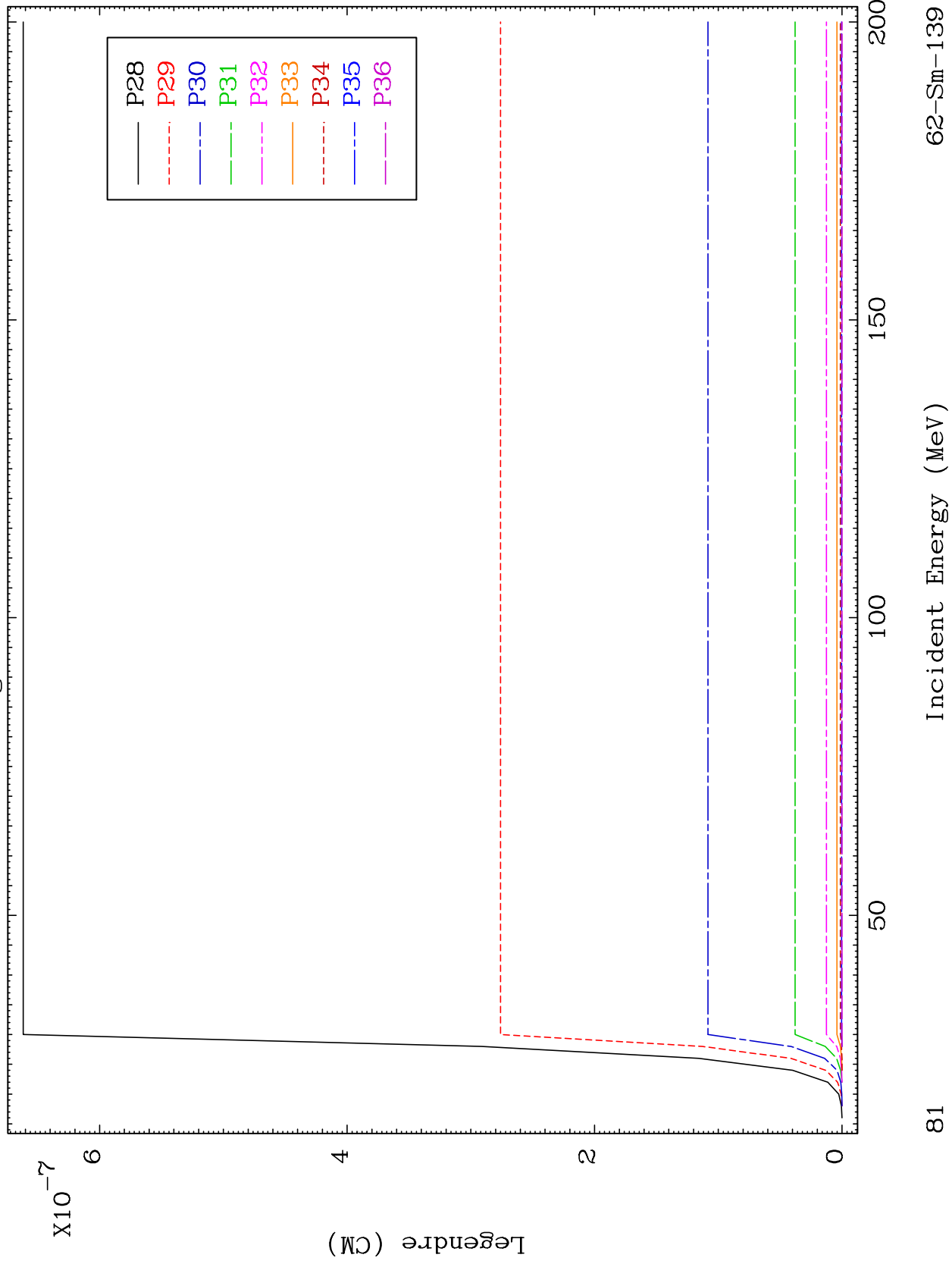
62-Sm-139



MAT 6210

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

62-Sm-139



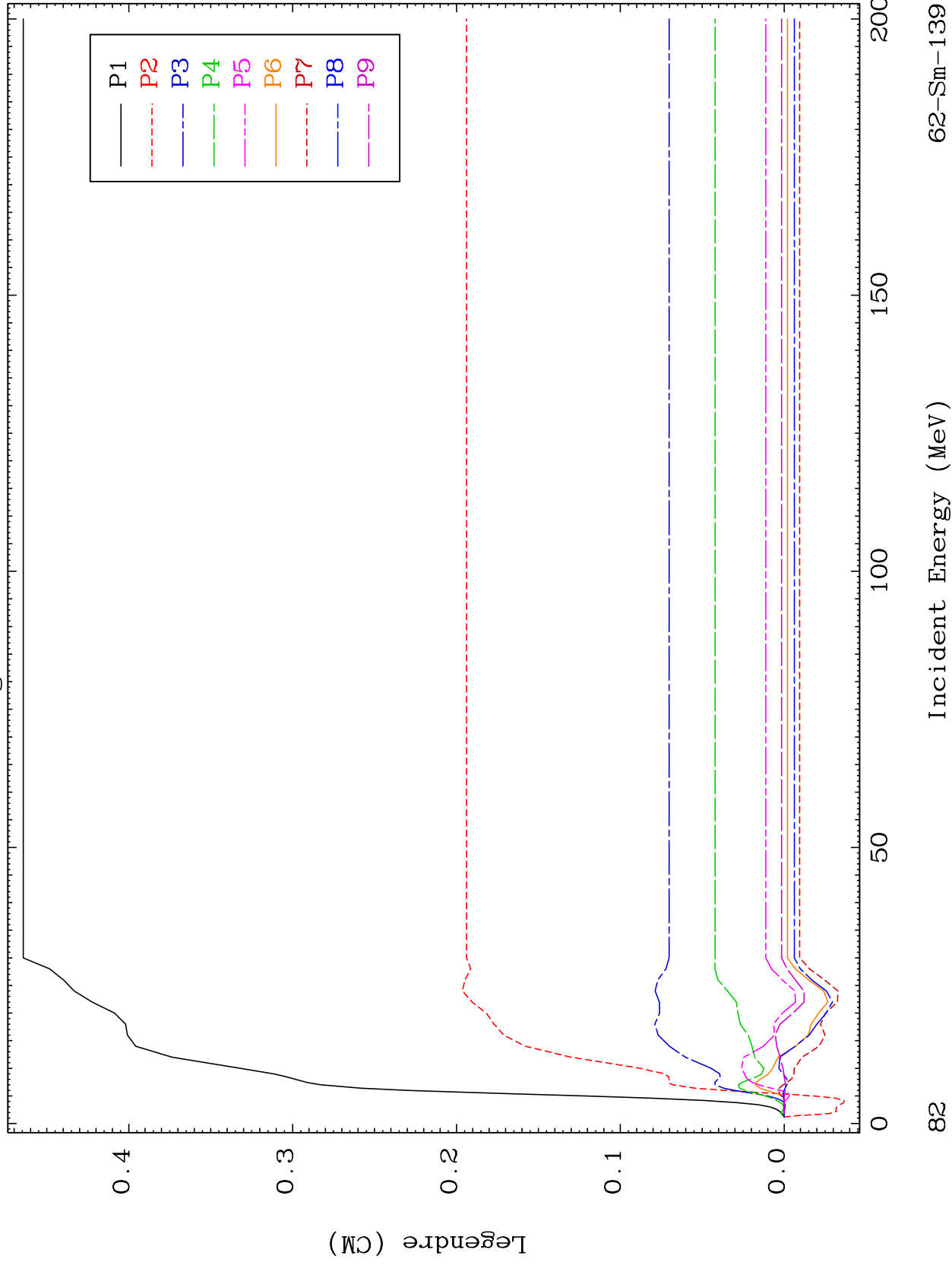
81

62-Sm-139

MAT 6210

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

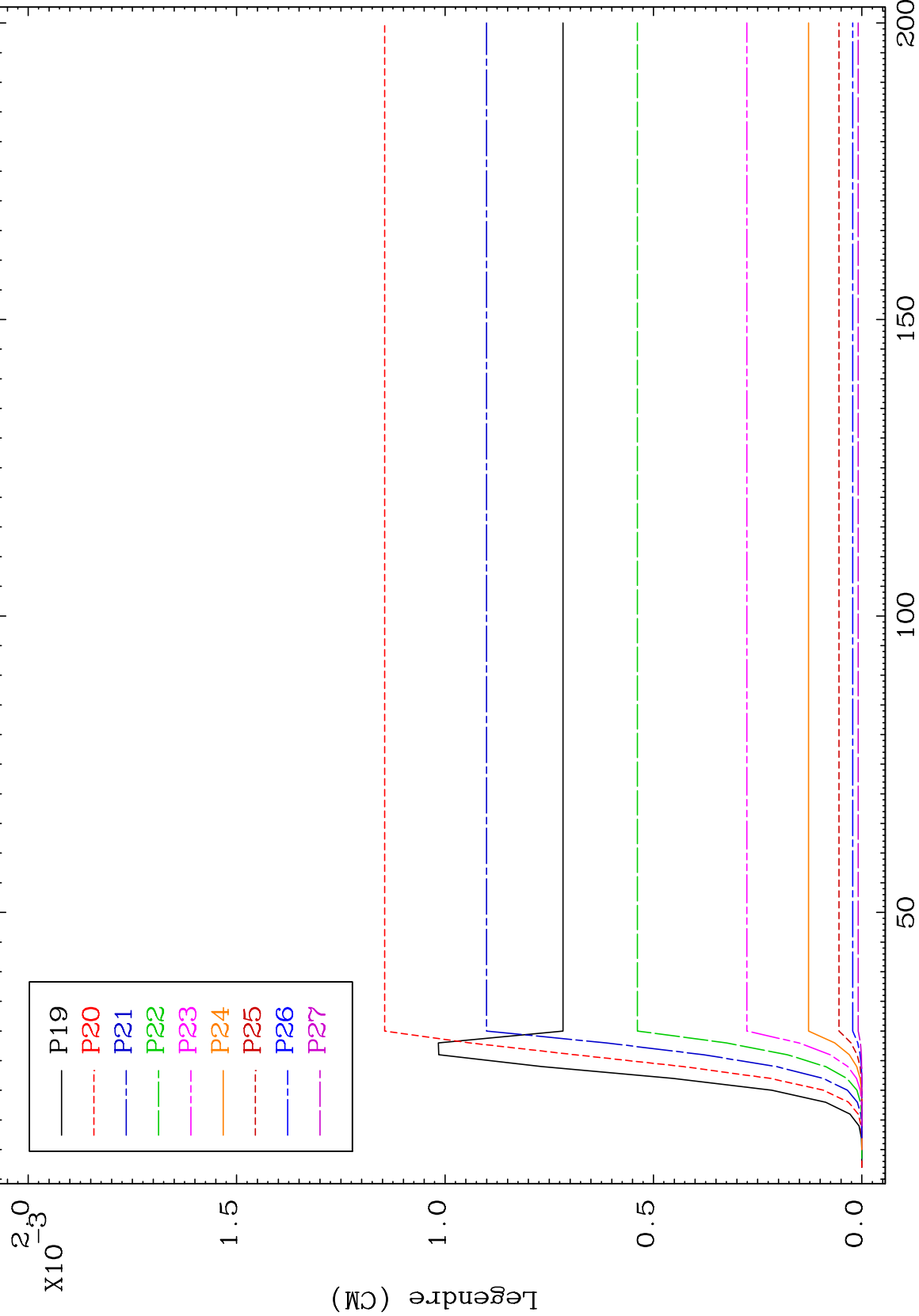
62-Sm-139



62-Sm-139

Incident Energy (MeV)

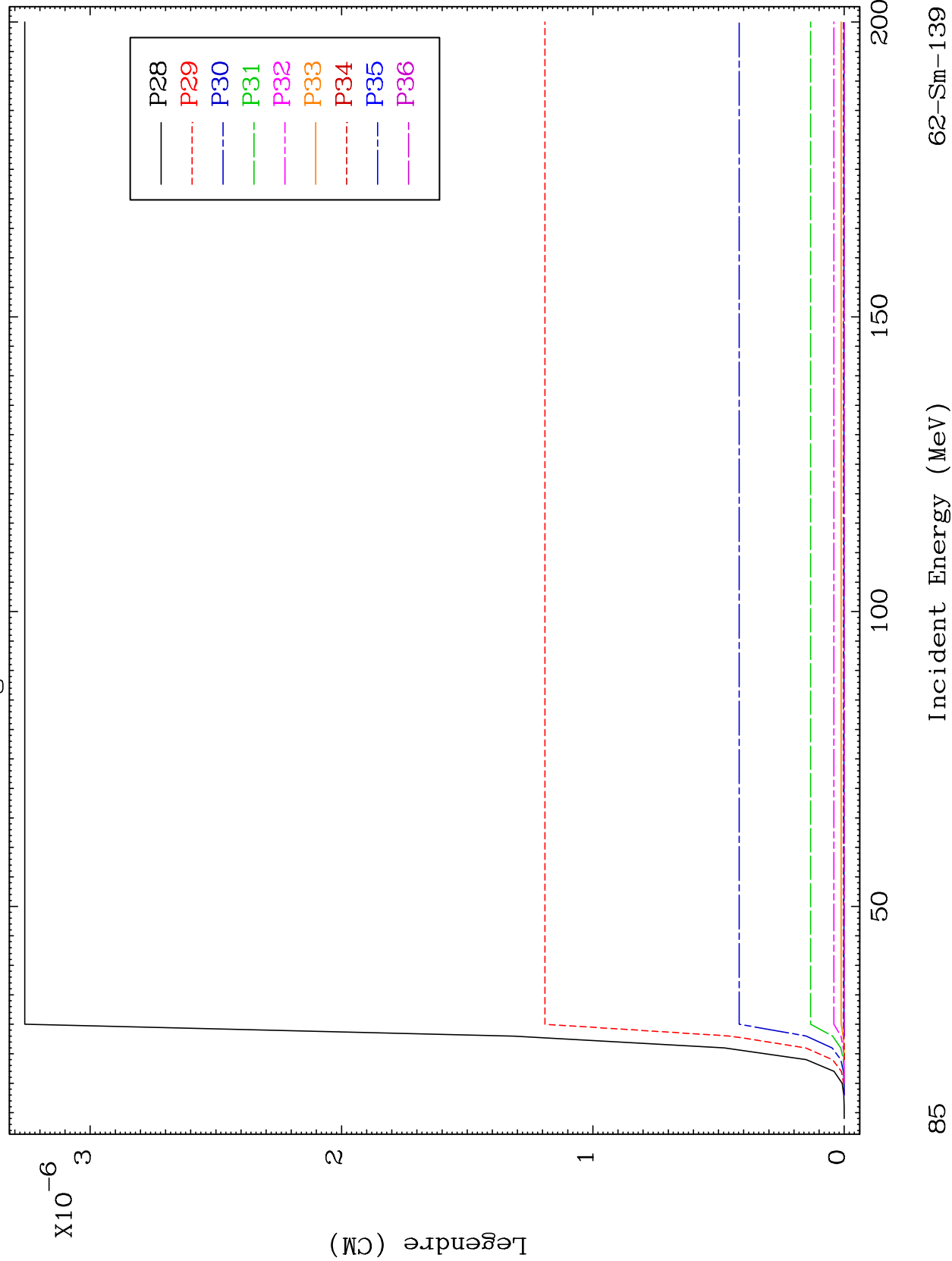
82



MAT 6210

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

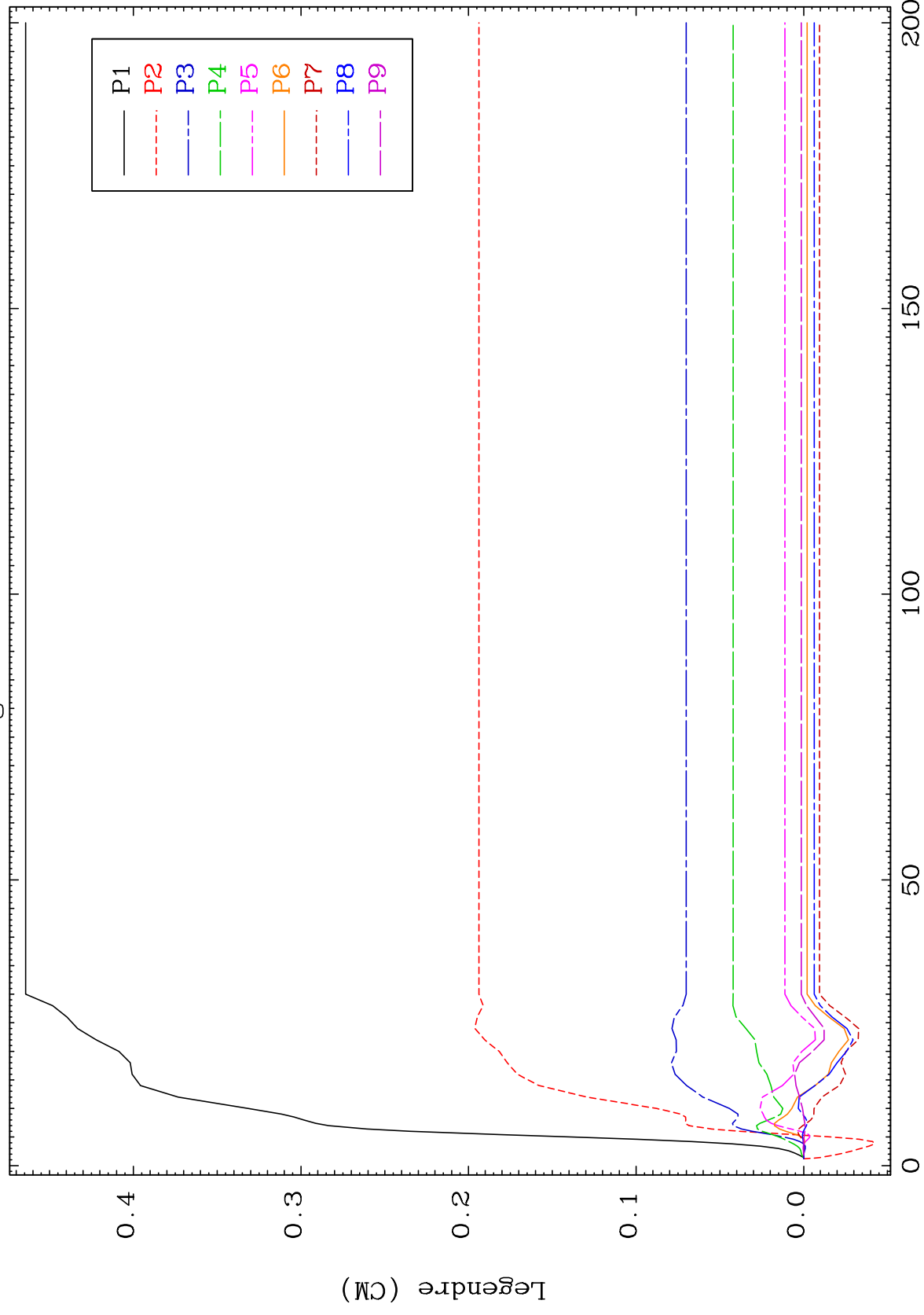
62-Sm-139



MAT 6210

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

62-Sm-139



86

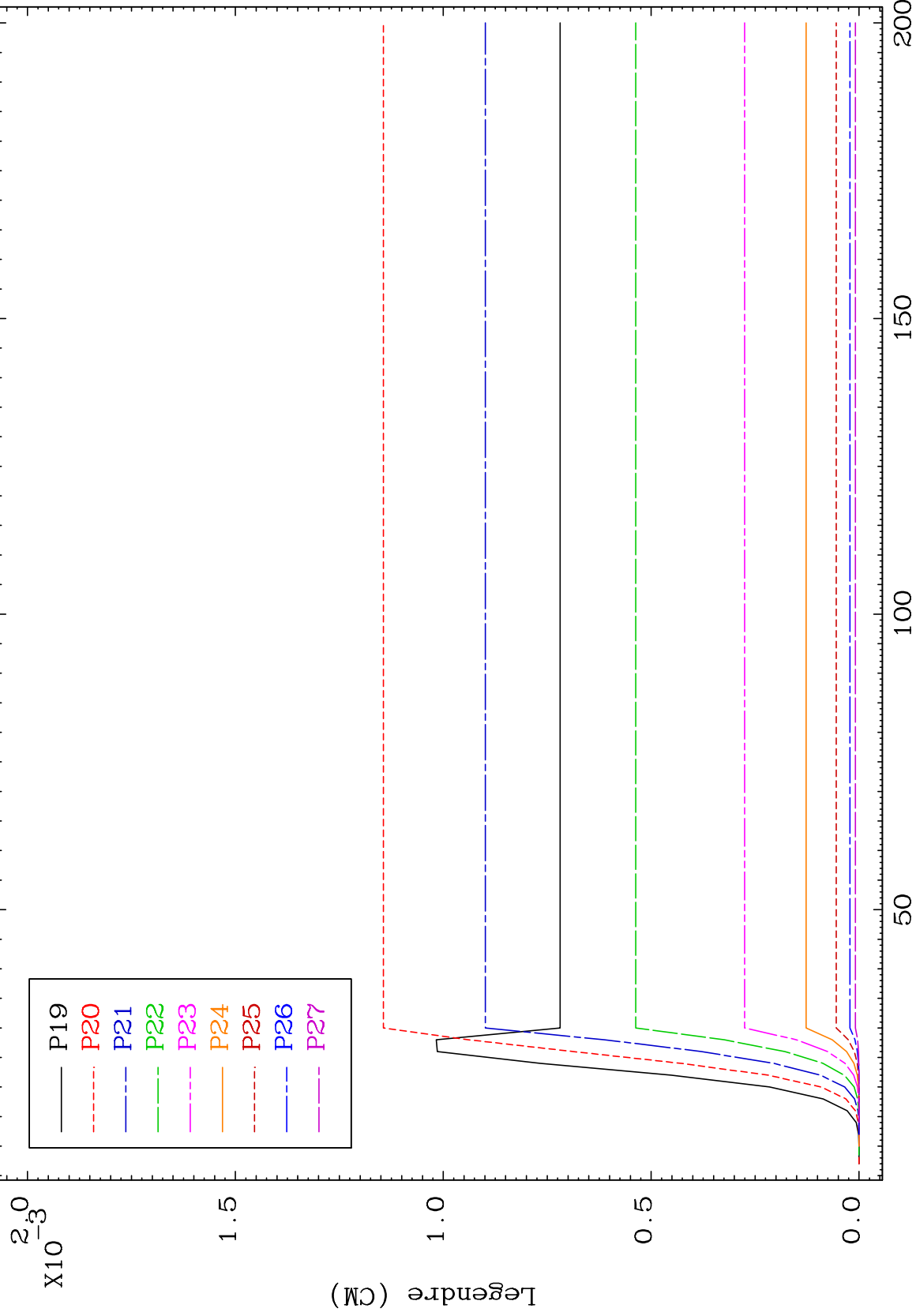
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

62-Sm-139



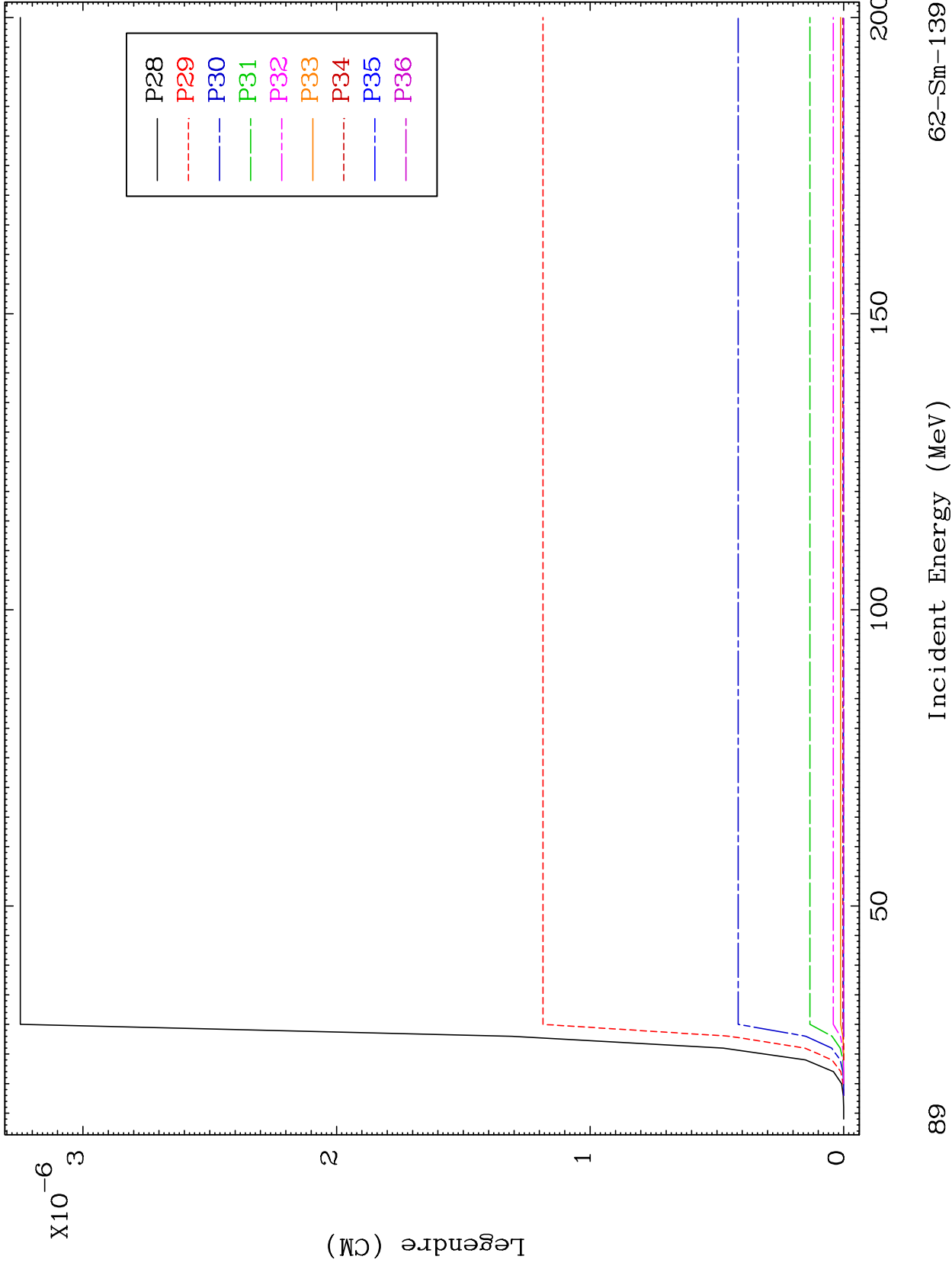
88

62-Sm-139

MAT 6210

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

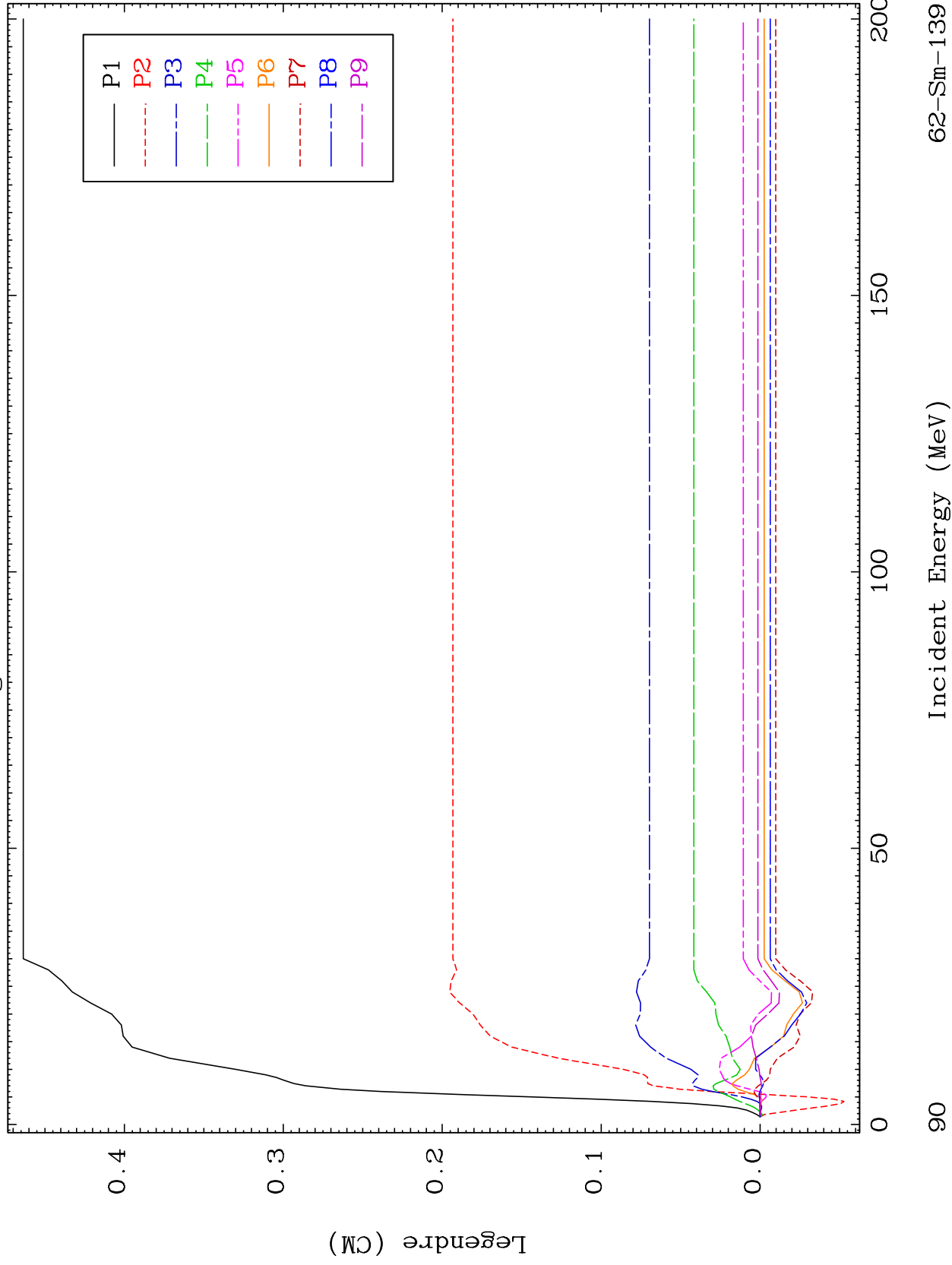
62-Sm-139



MAT 6210

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

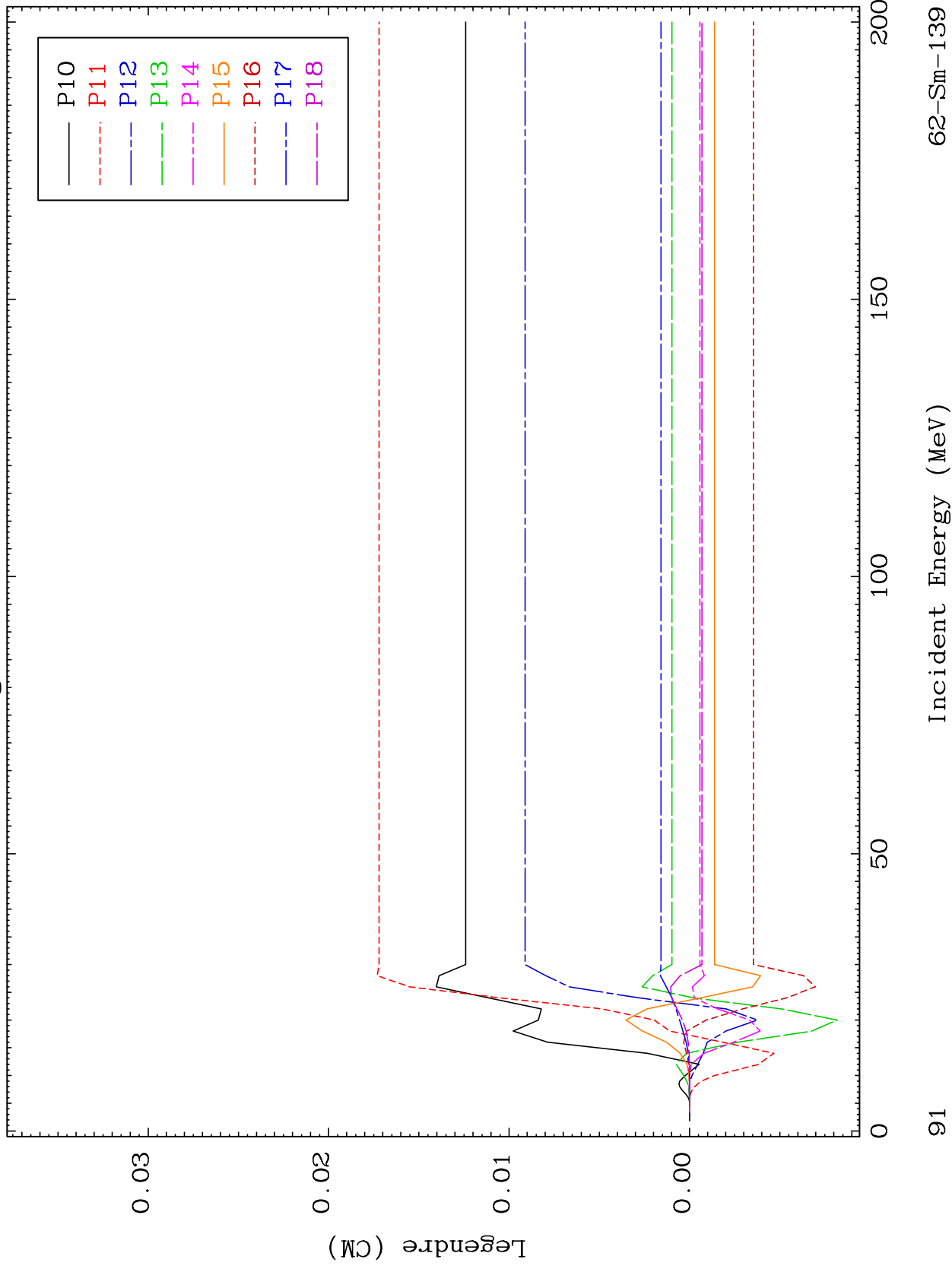
62-Sm-139



MAT 6210

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

62-Sm-139



62-Sm-139

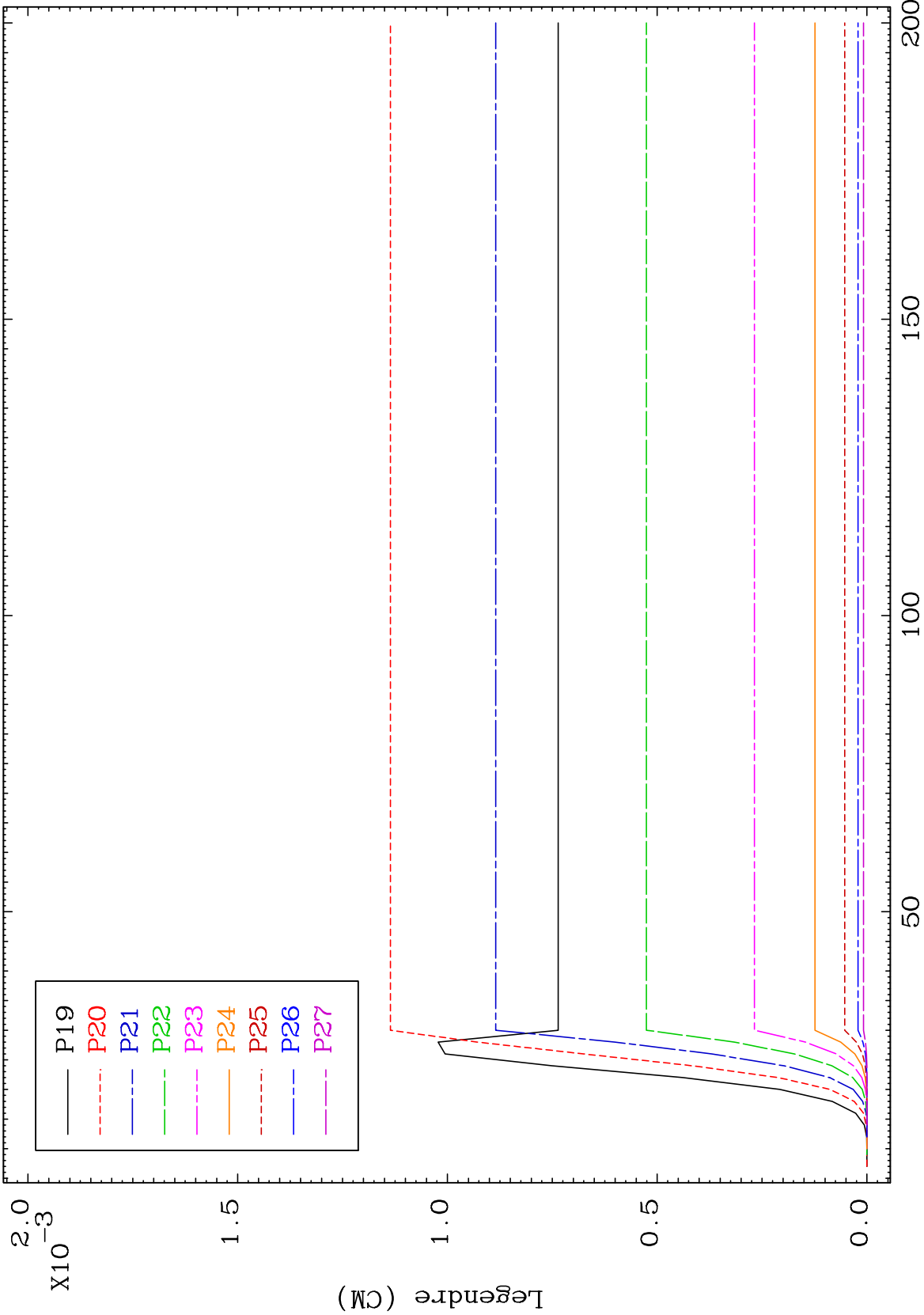
Incident Energy (MeV)

91

MAT 6210

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

62-Sm-139



92

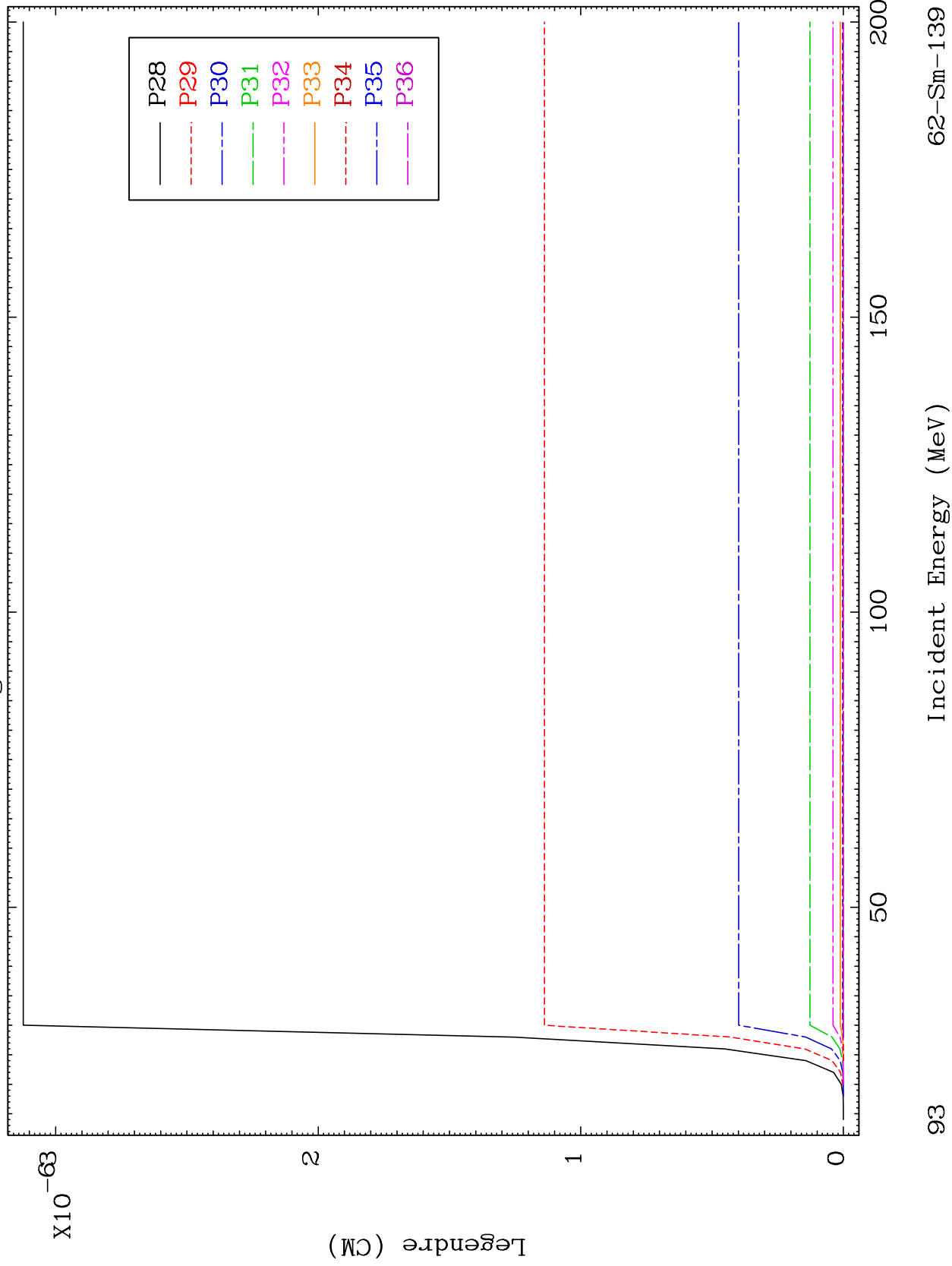
Incident Energy (MeV)

62-Sm-139

MAT 6210

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

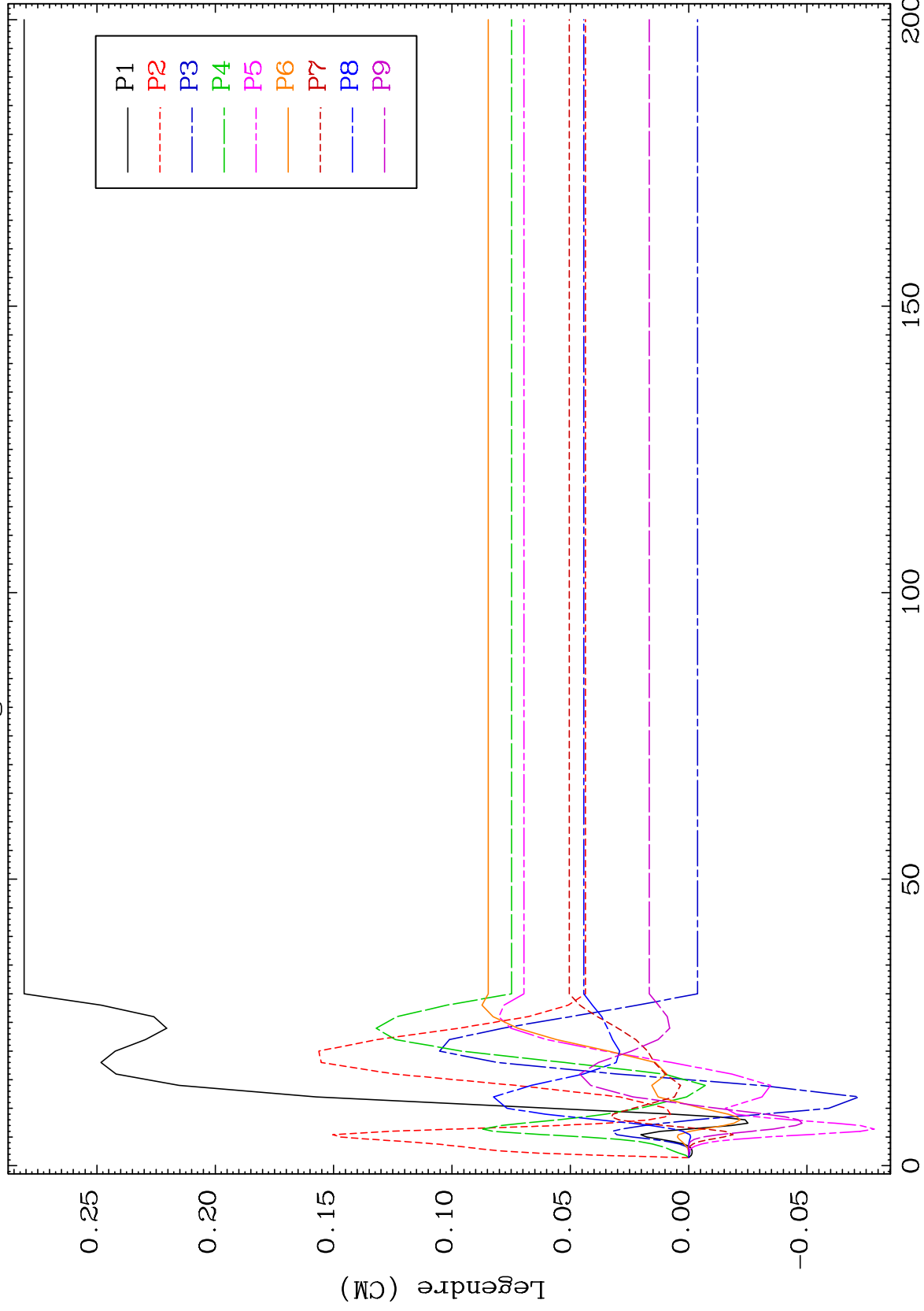
62-Sm-139



MAT 6210

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

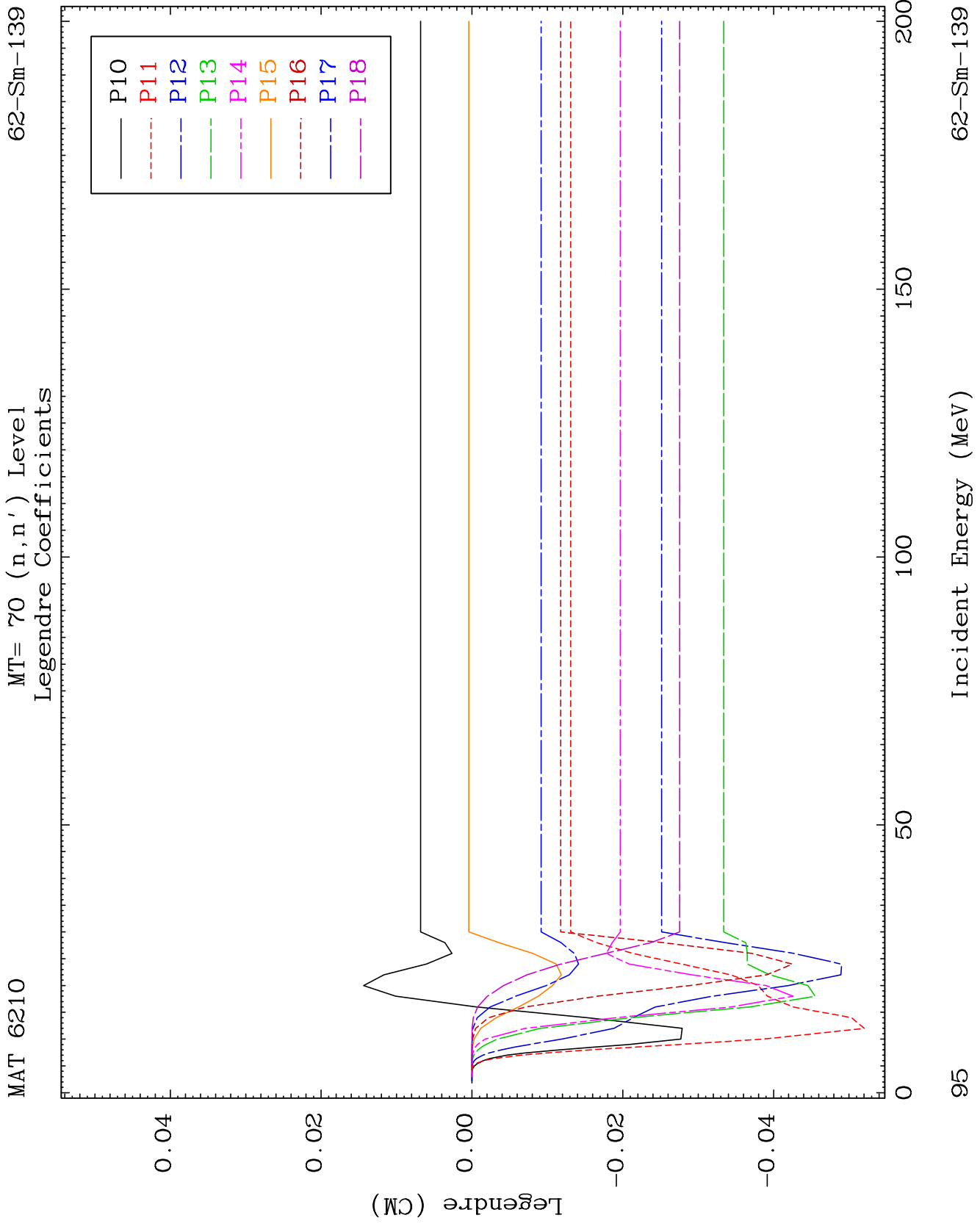
62-Sm-139

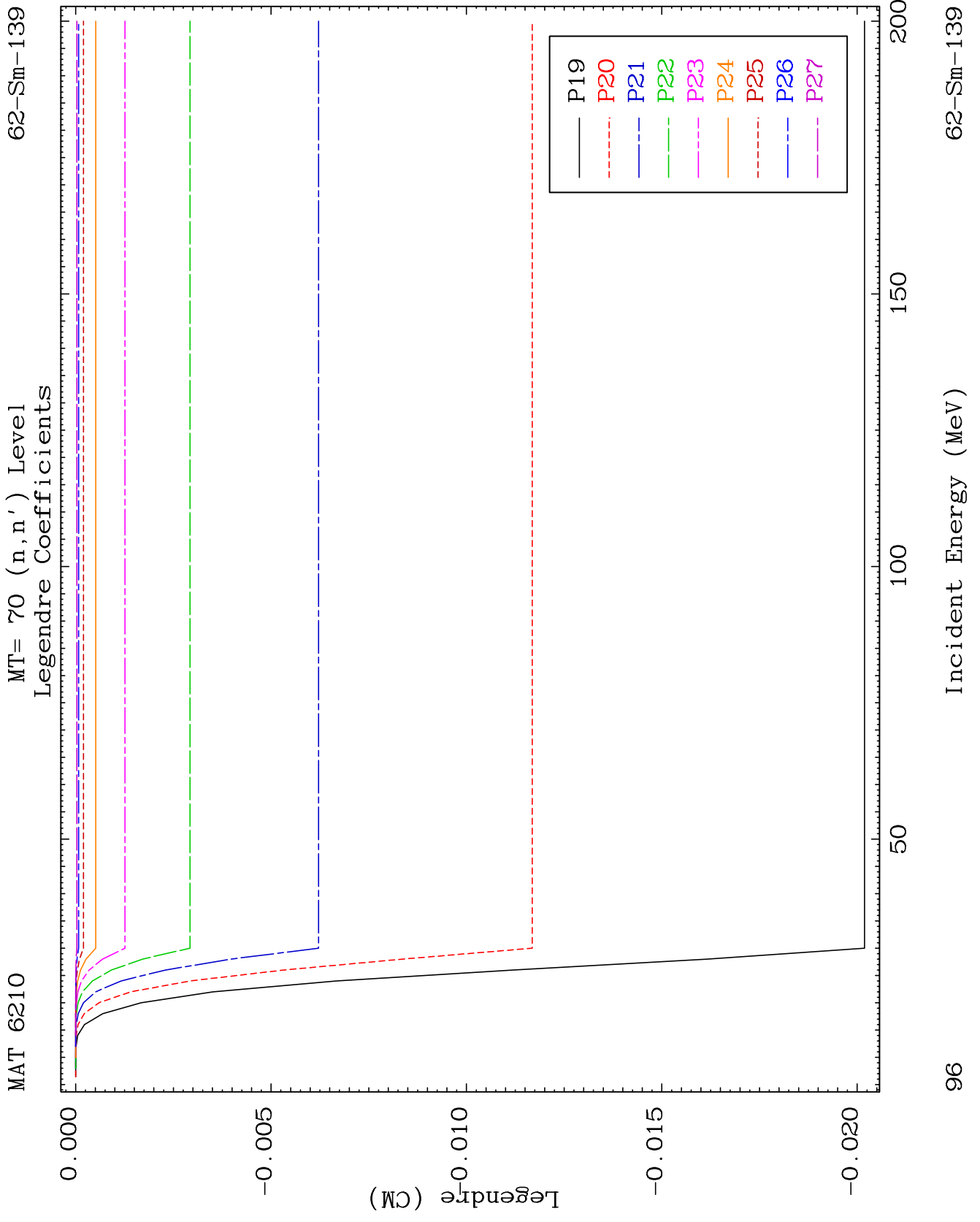


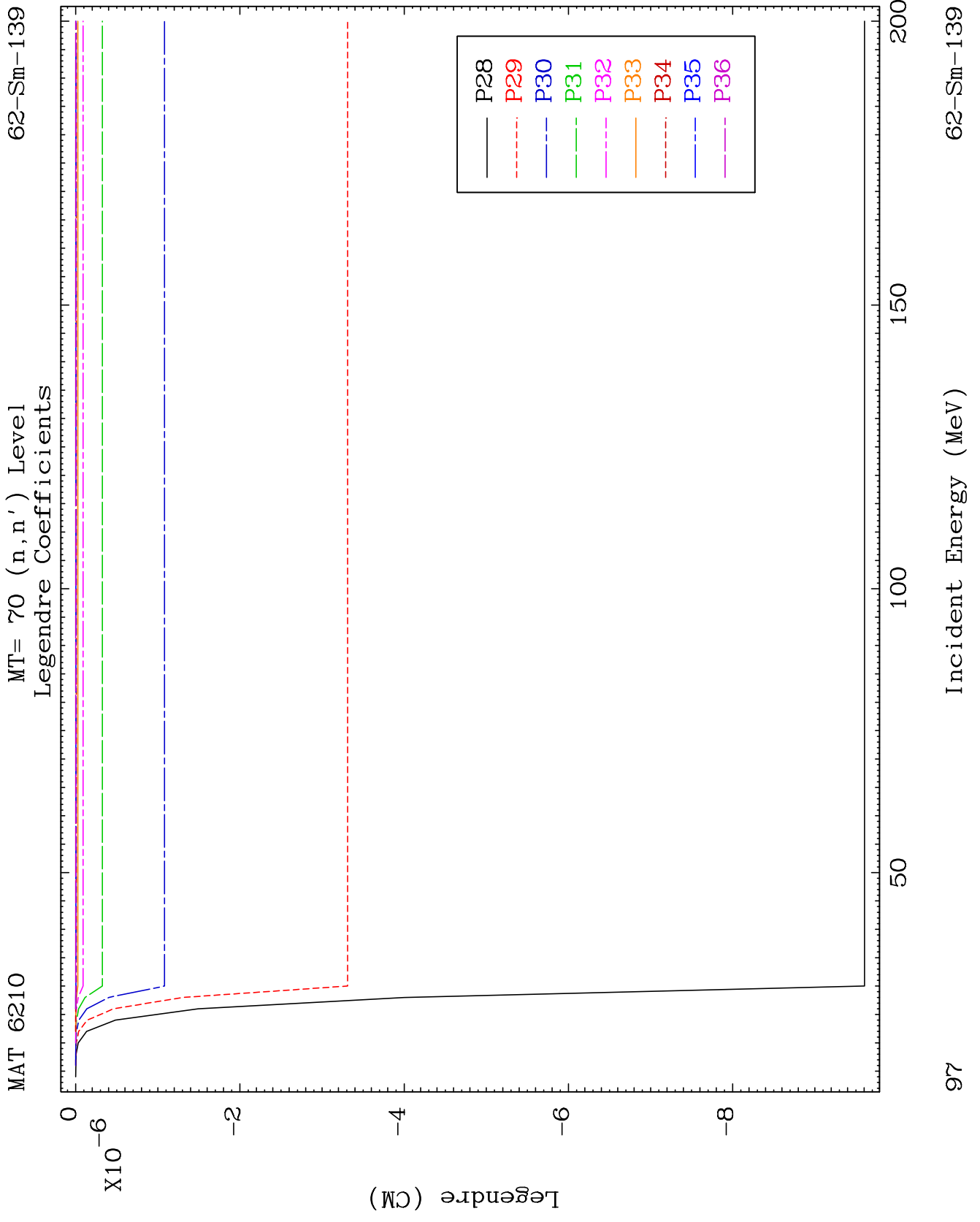
94

Incident Energy (MeV)

62-Sm-139



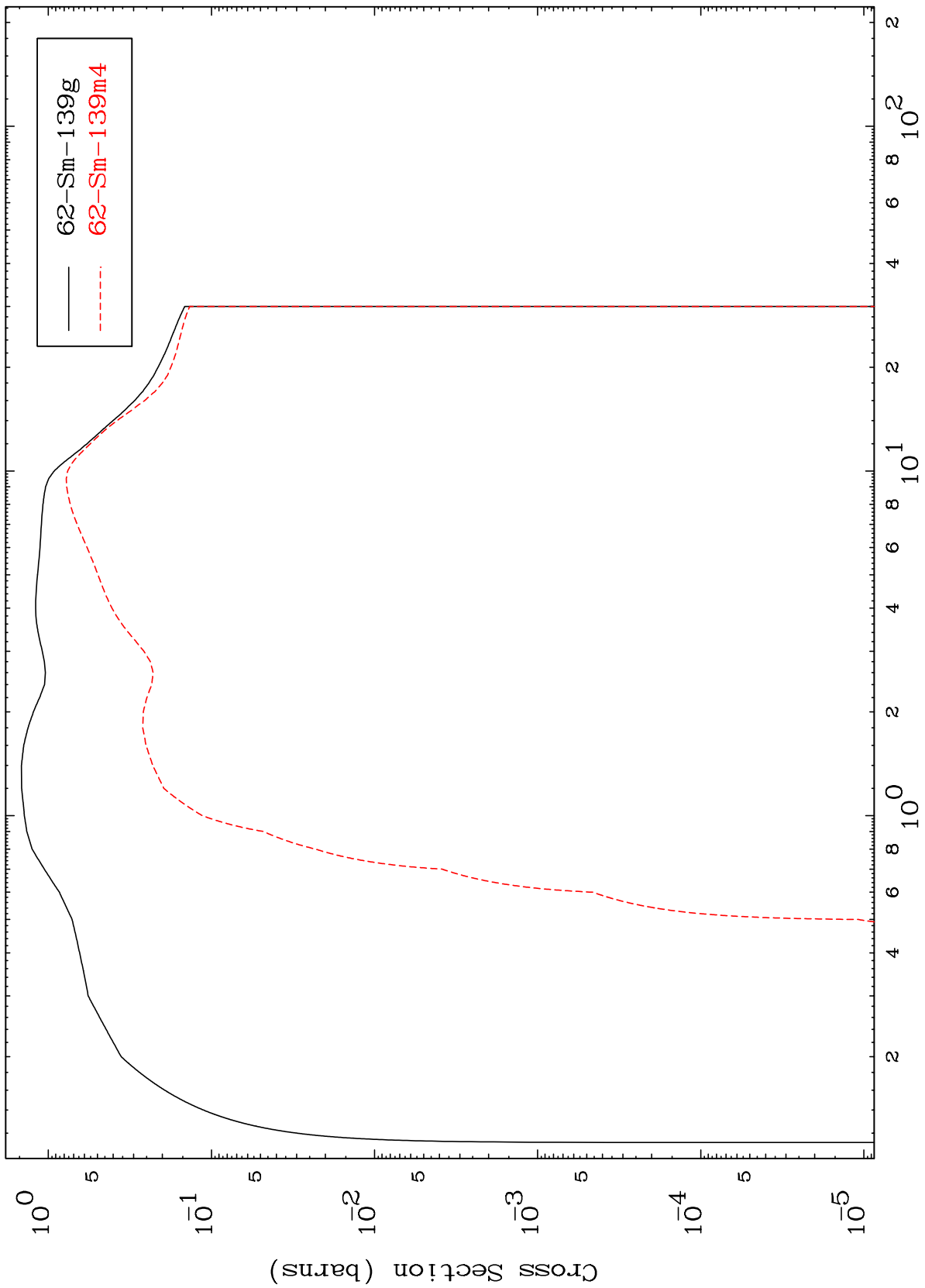




MAT 6210

62-Sm-139

Inelastic
Radionuclide Production Cross Section



98

62-Sm-139

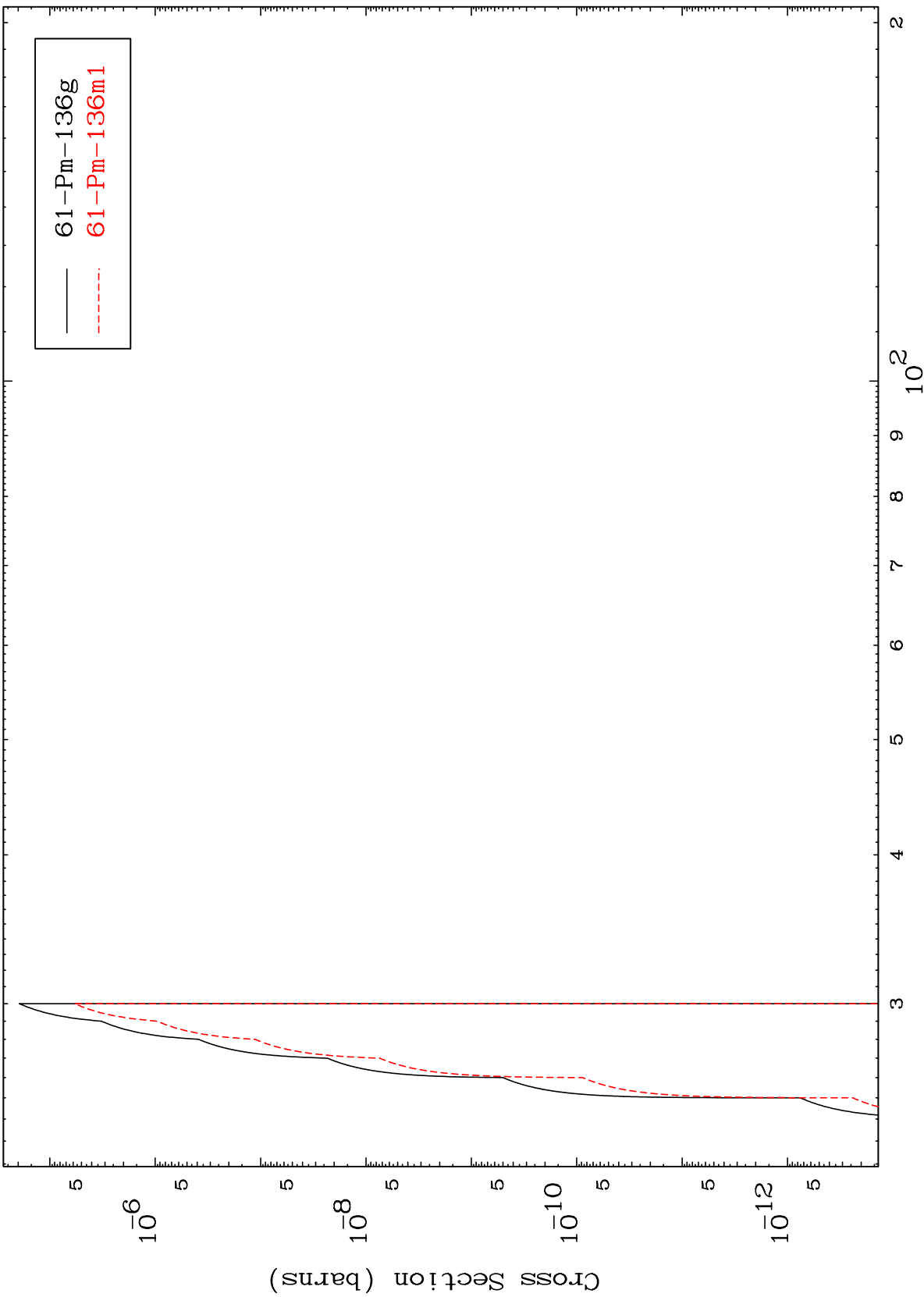
Incident Energy (MeV)

MAT 6210

(n,2n) d

62-Sm-139

Radionuclide Production Cross Section



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

99

Incident Energy (MeV)

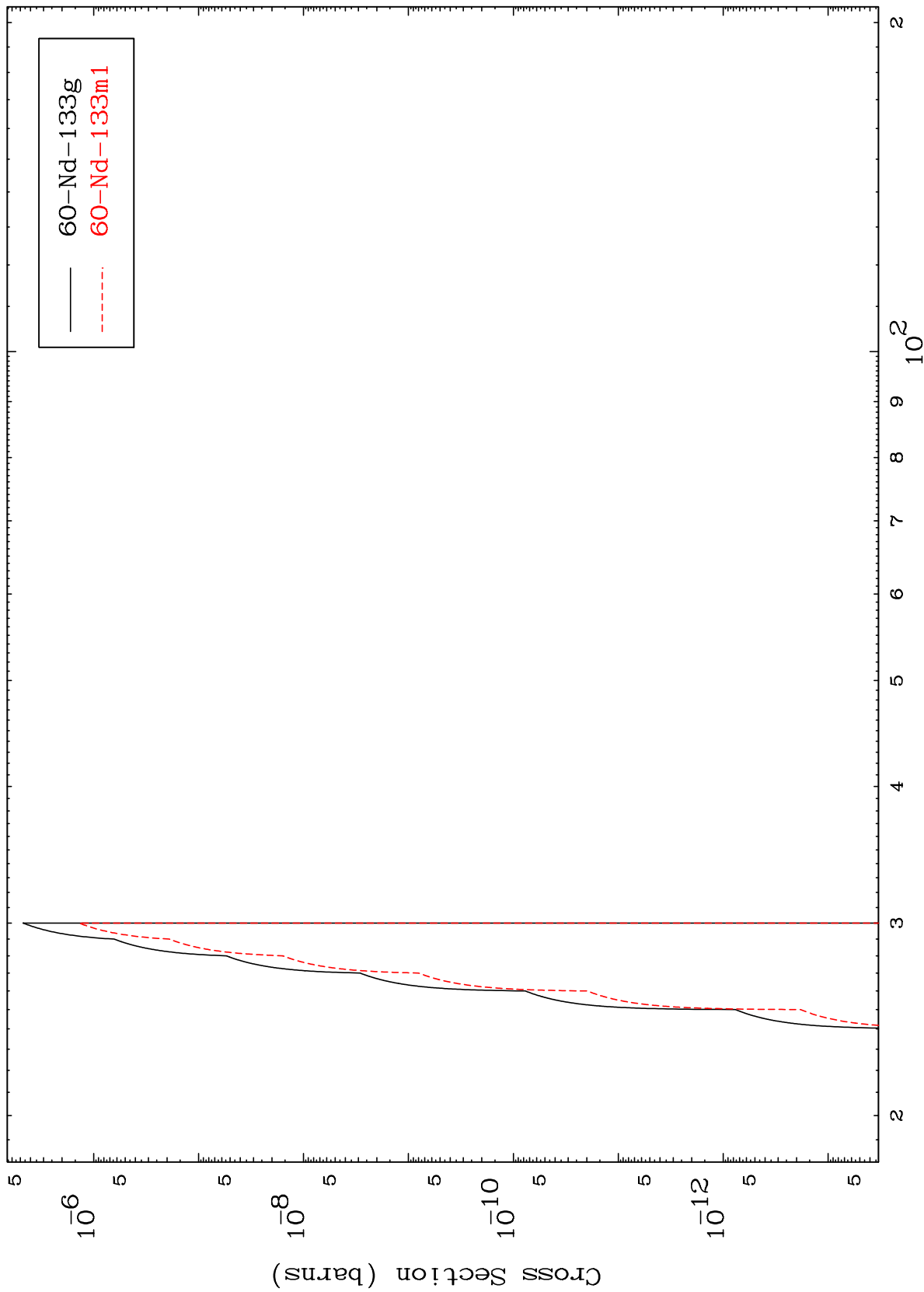
62-Sm-139

MAT 6210

$(n,3n) \alpha$

62-Sm-139

Radionuclide Production Cross Section



100

Incident Energy (MeV)

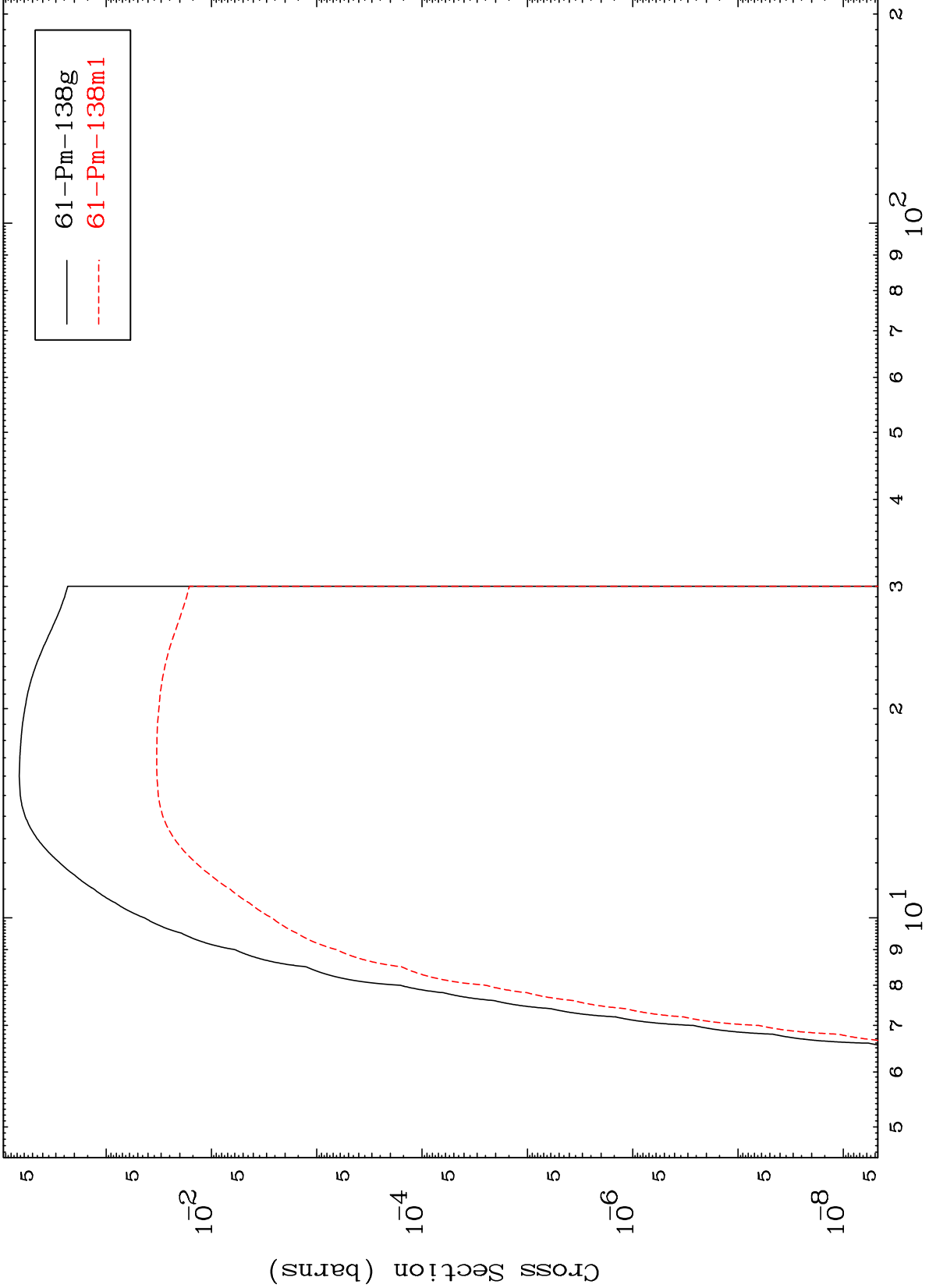
62-Sm-139

MAT 6210

(n,n') p

62-Sm-139

Radionuclide Production Cross Section



101

Incident Energy (MeV)

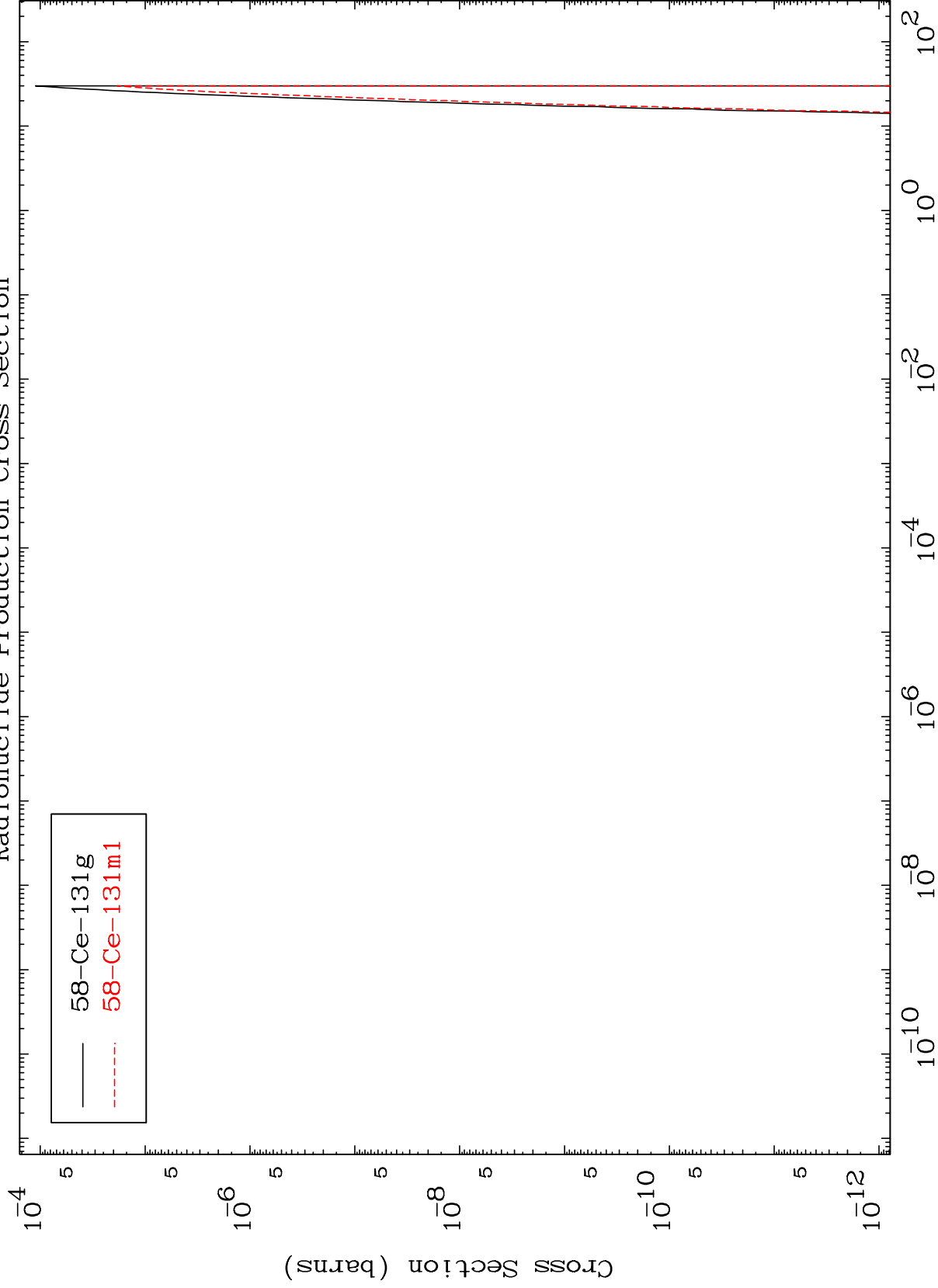
62-Sm-139

MAT 6210

(n,n') 2 α

62-Sm-139

Radionuclide Production Cross Section



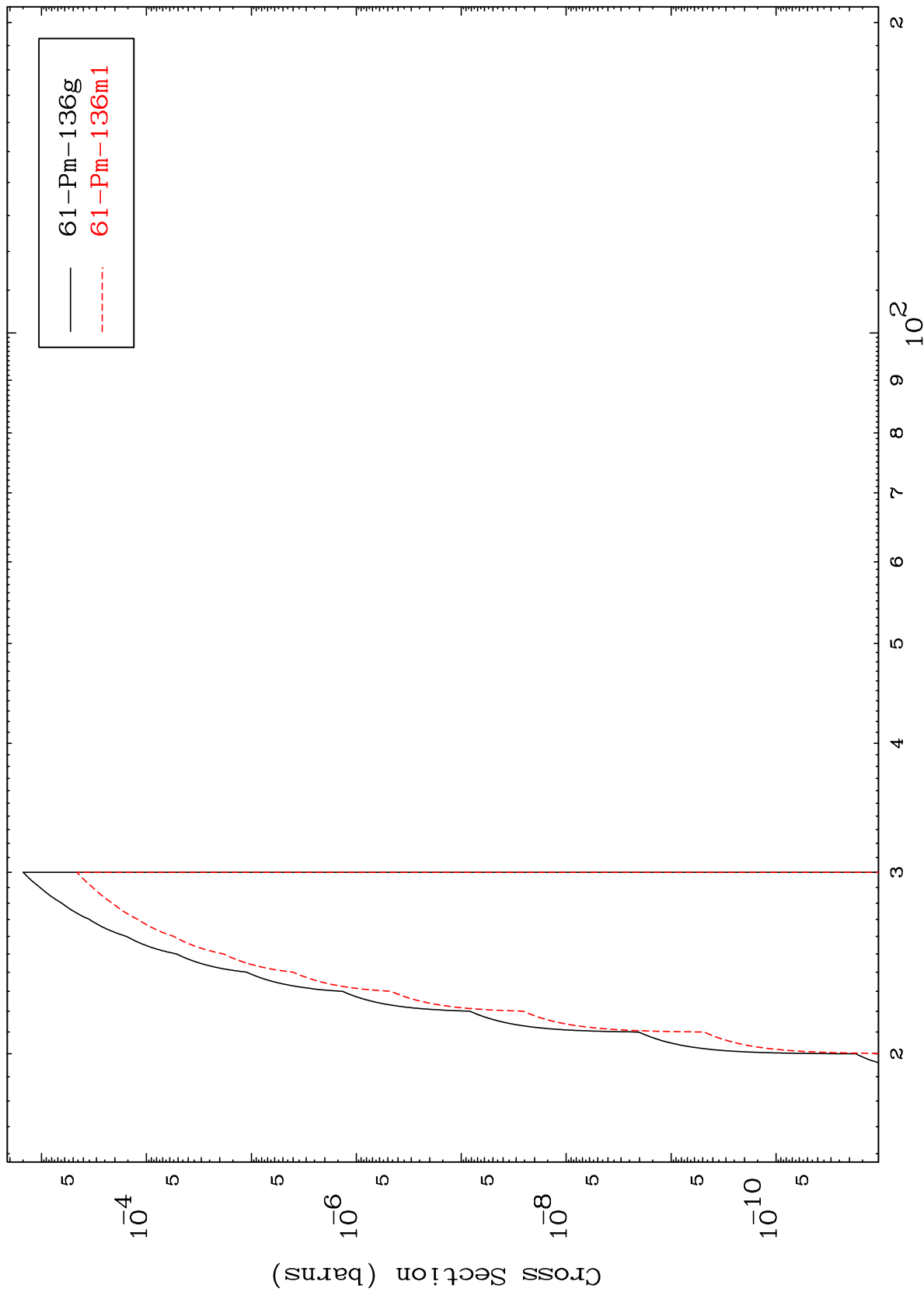
58-Ce-131g
58-Ce-131m1

MAT 6210

(n,n') t

62-Sm-139

Radionuclide Production Cross Section



103

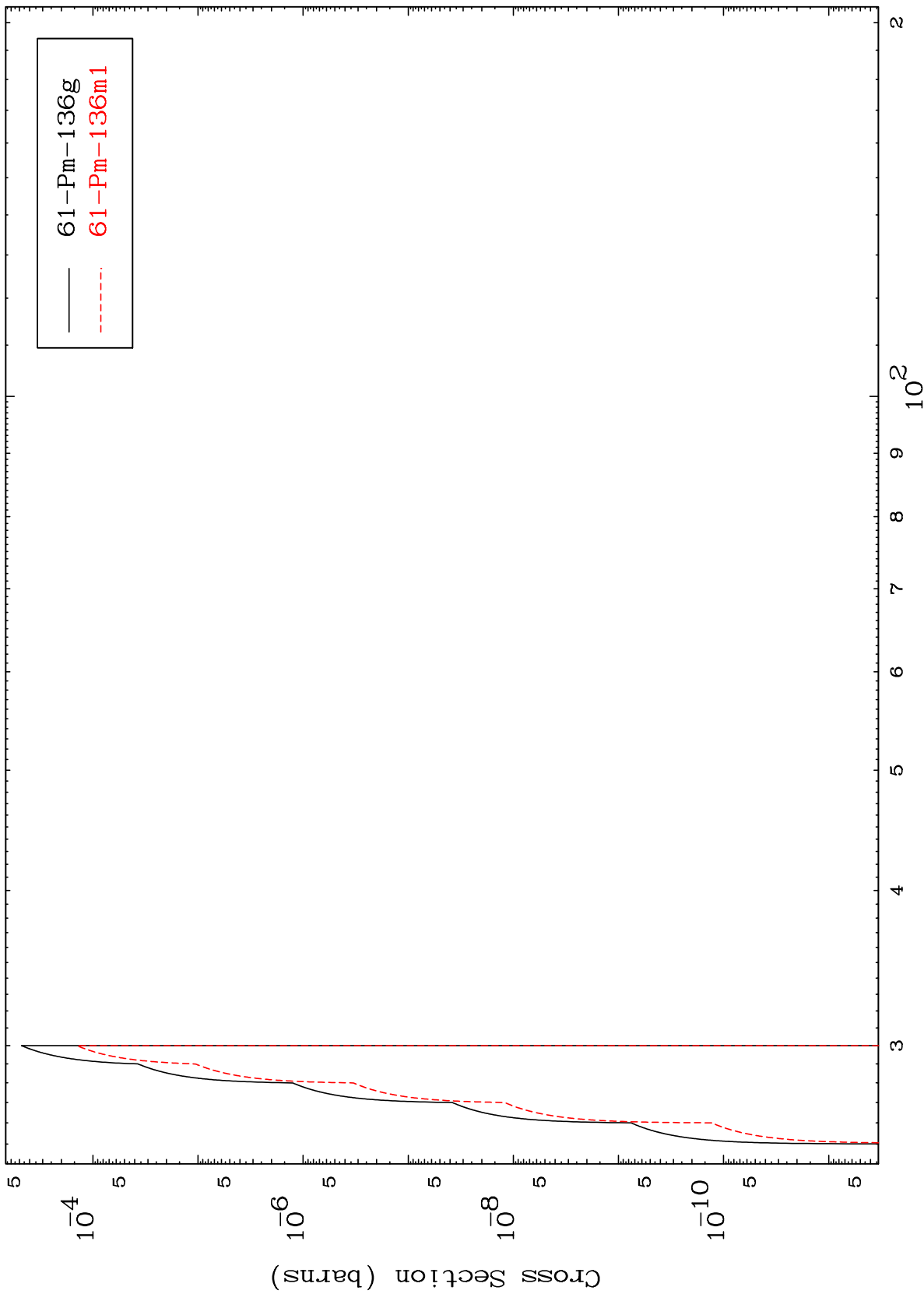
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

(n,3n) p
Radionuclide Production Cross Section



104

62-Sm-139

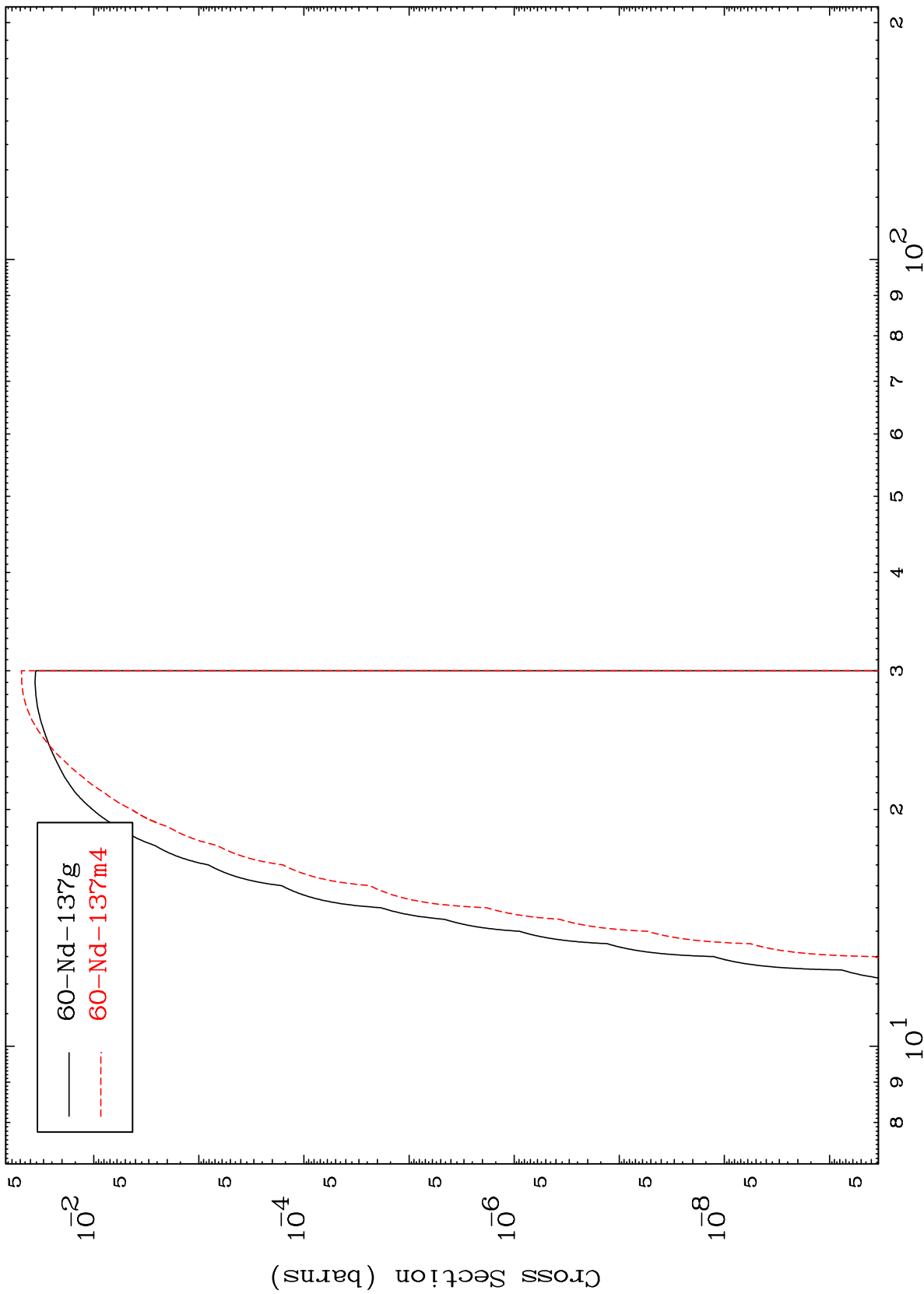
Incident Energy (MeV)

MAT 6210

(n,2n) p

62-Sm-139

Radionuclide Production Cross Section



105

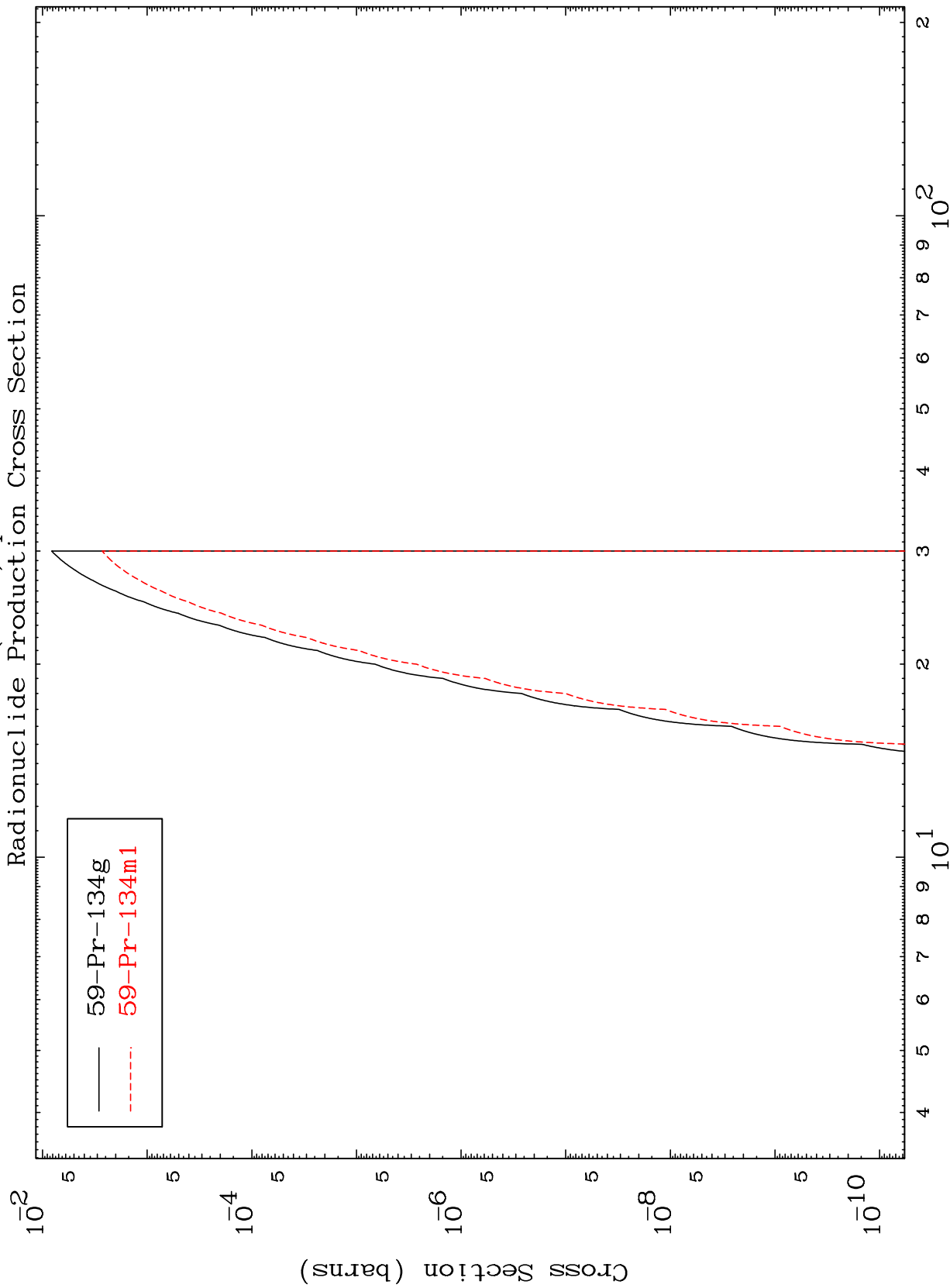
Incident Energy (MeV)

62-Sm-139

MAT 6210

(n,n') p α

62-Sm-139



106

Incident Energy (MeV)

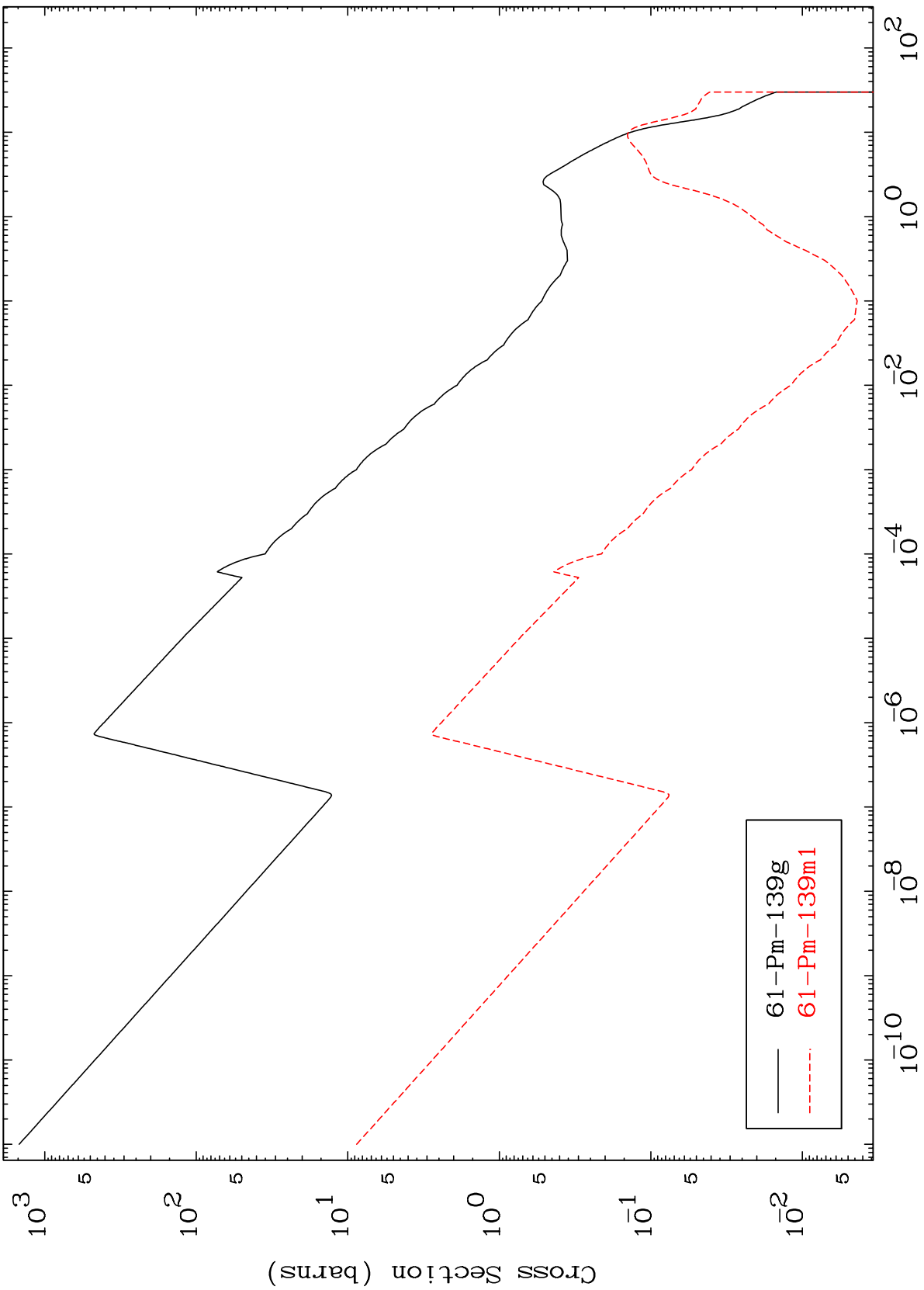
62-Sm-139

MAT 6210

62-Sm-139

Radionuclide Production Cross Section

(n,p)



62-Sm-139

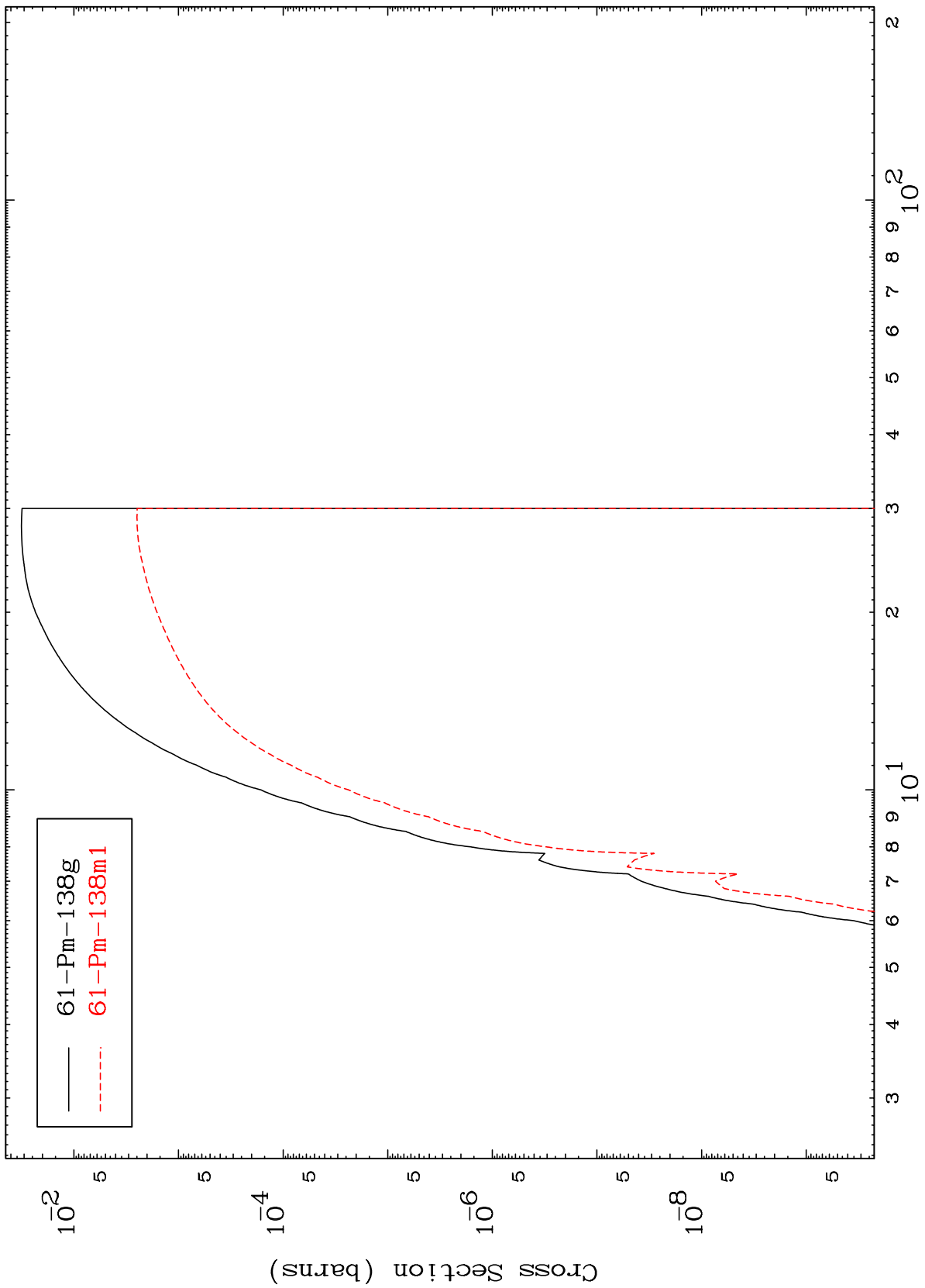
Incident Energy (MeV)

107

MAT 6210

62-Sm-139

(n,d)
Radionuclide Production Cross Section



108

Incident Energy (MeV)

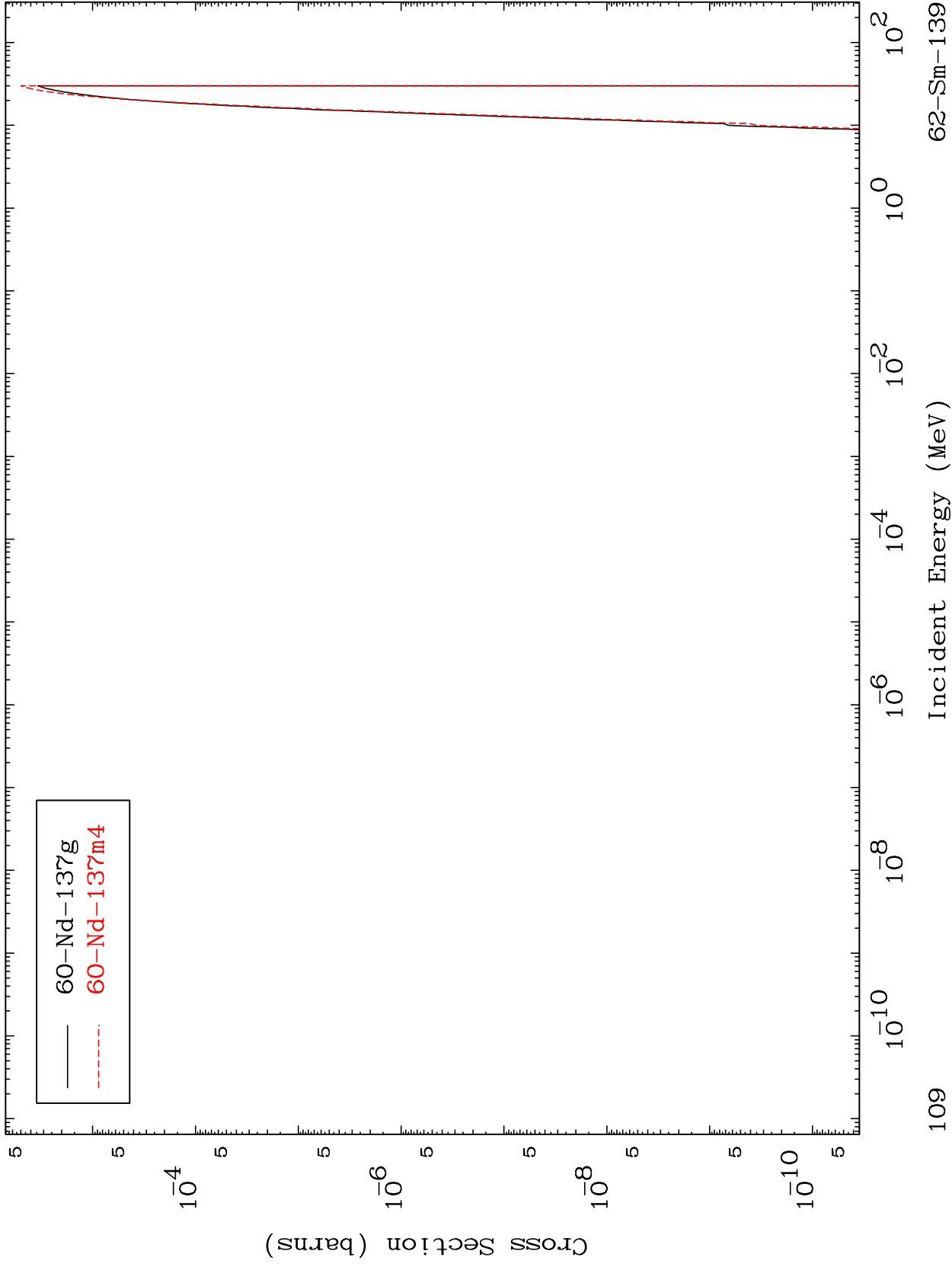
62-Sm-139

MAT 6210

(n,He-3)

62-Sm-139

Radionuclide Production Cross Section

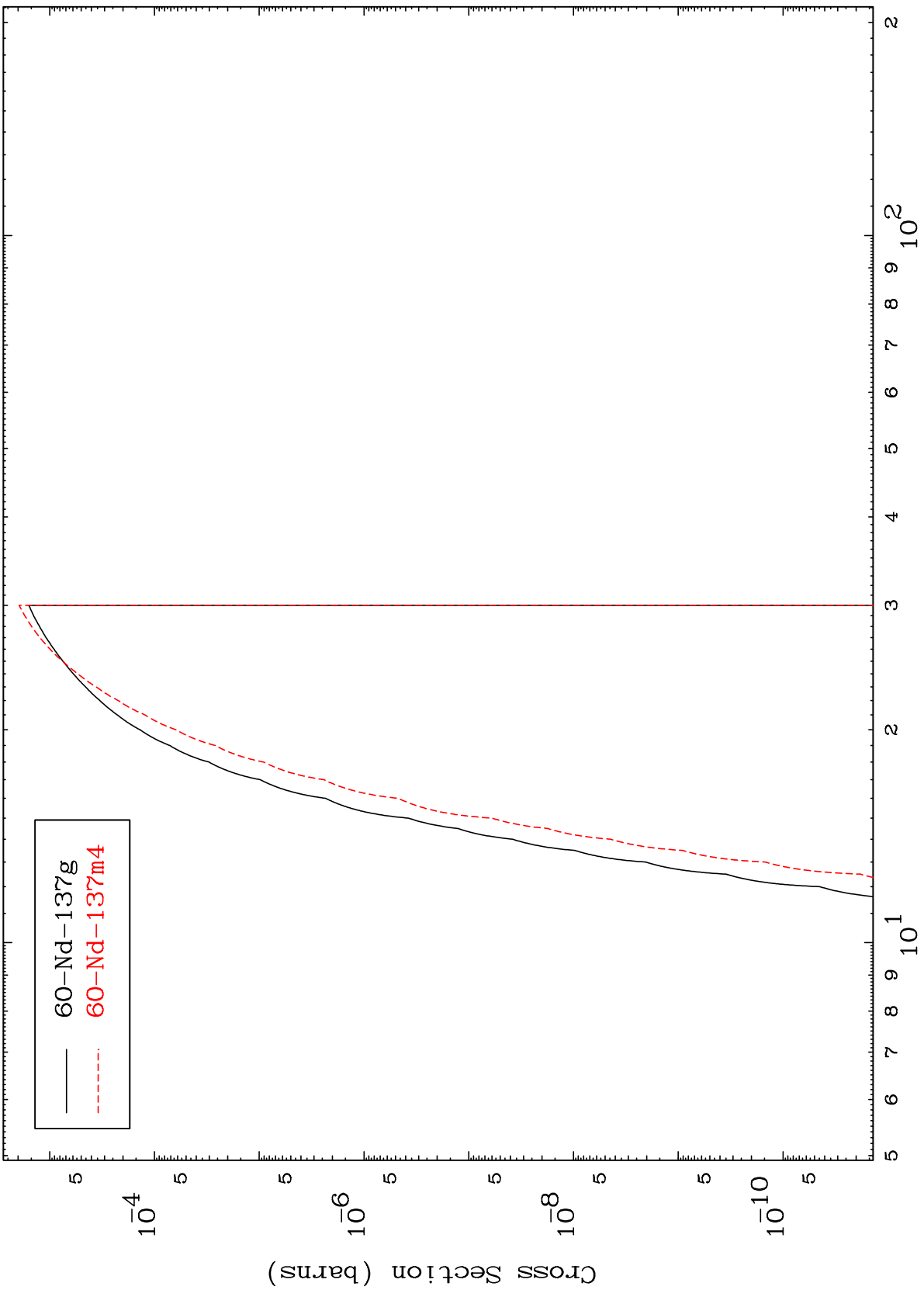


MAT 6210

(n,p) d

62-Sm-139

Radionuclide Production Cross Section



60-Nd-137g
60-Nd-137m4

110

Incident Energy (MeV)

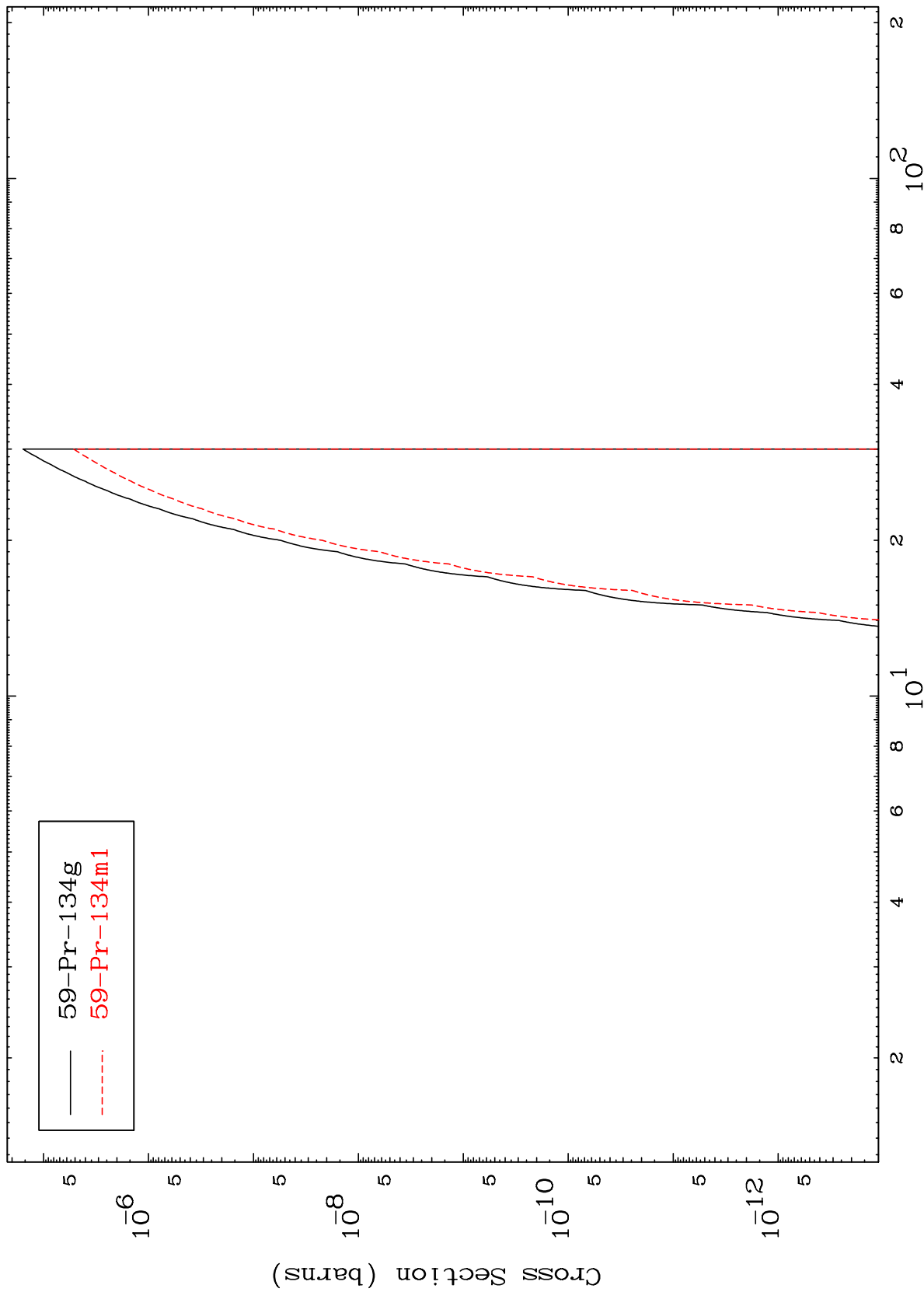
62-Sm-139

MAT 6210

(n,d) α

$^{62}\text{Sm}-139$

Radionuclide Production Cross Section



111