

Program EVALPLOT
(Version 2018-1)

by

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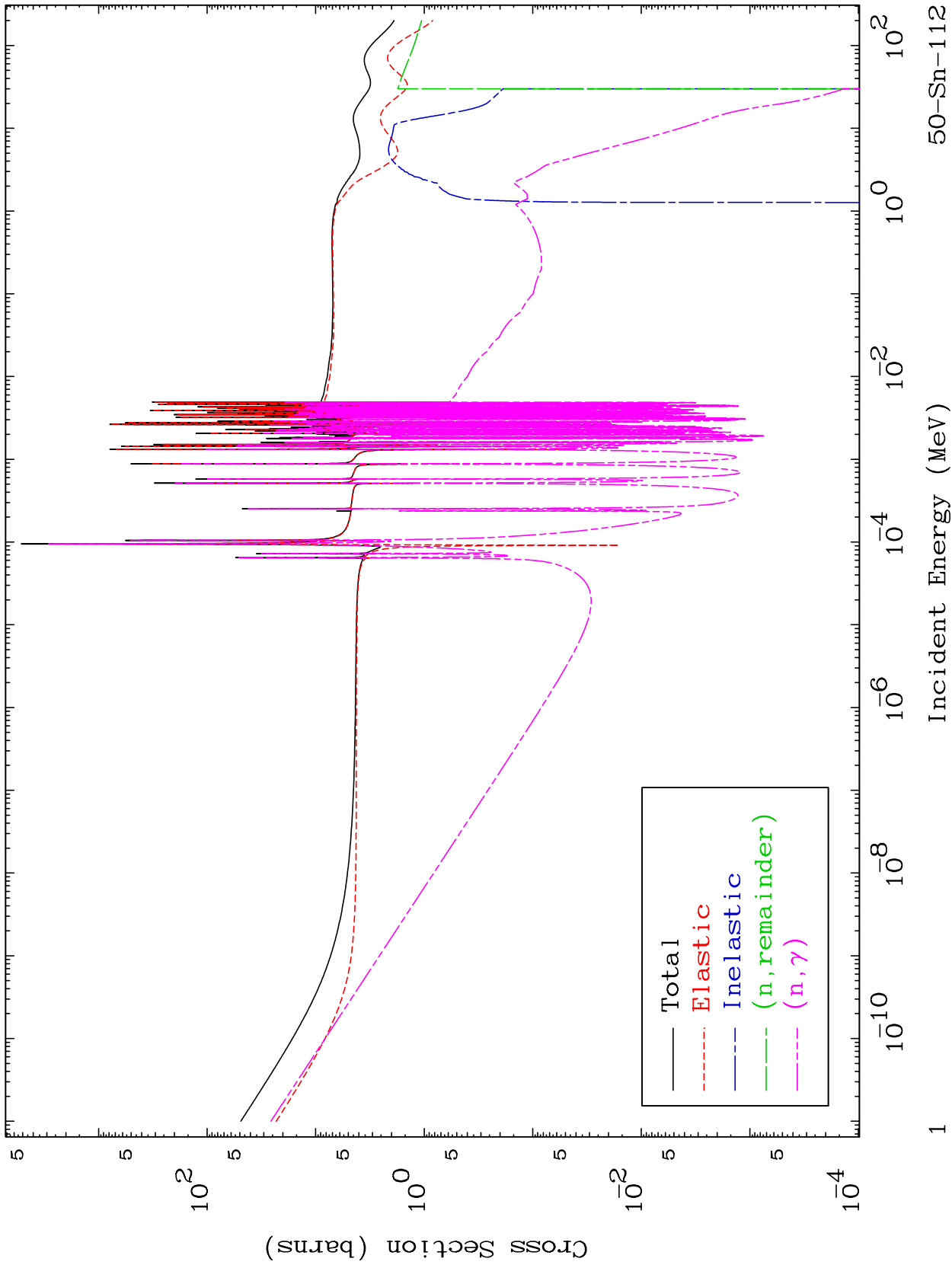
Press Mouse Button to Start

MAT 5025

Major

293 Kelvin Cross Sections

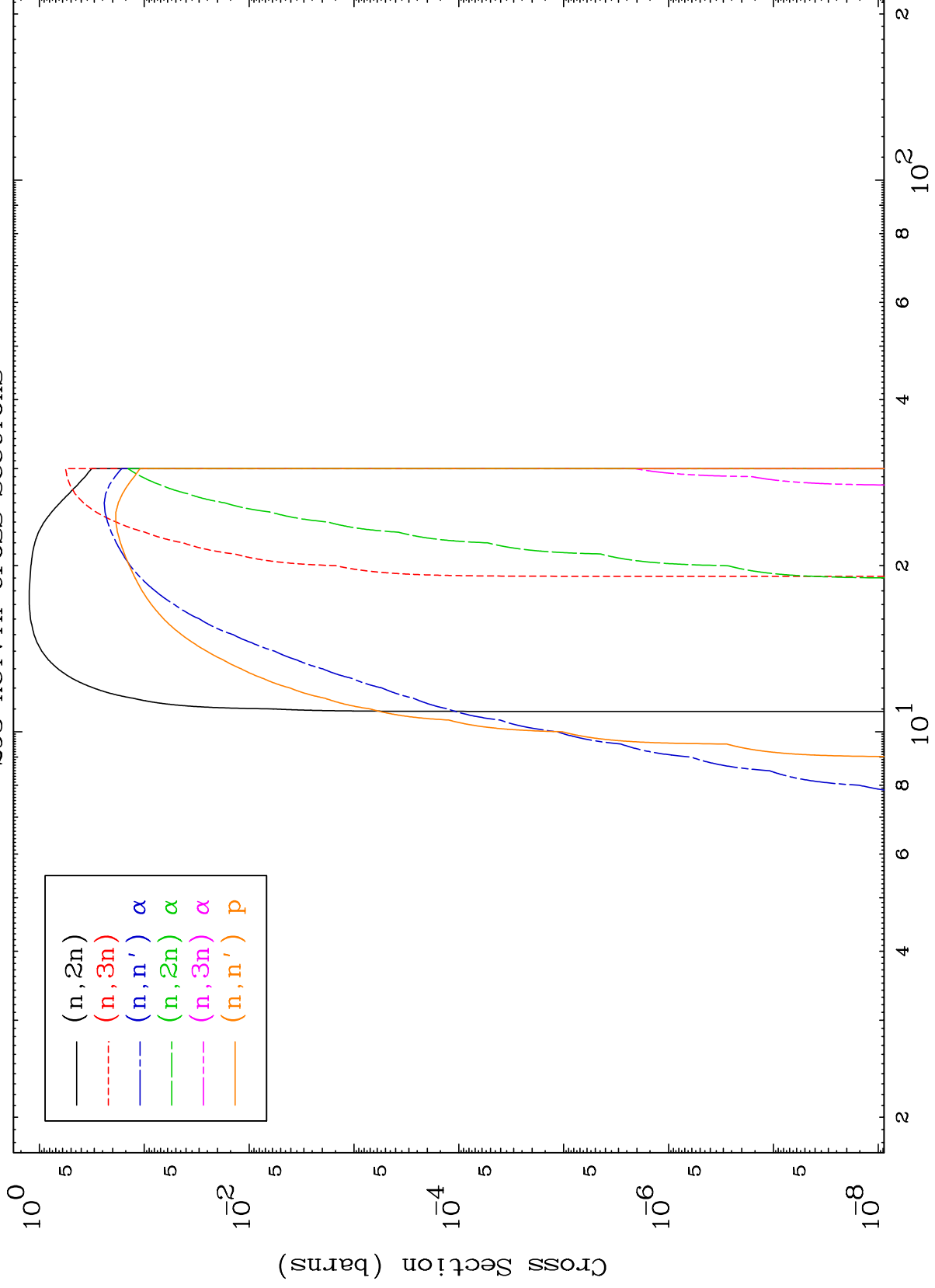
50-Sn-112



MAT 5025

Neutron Production
293 Kelvin Cross Sections

50-Sn-112



2

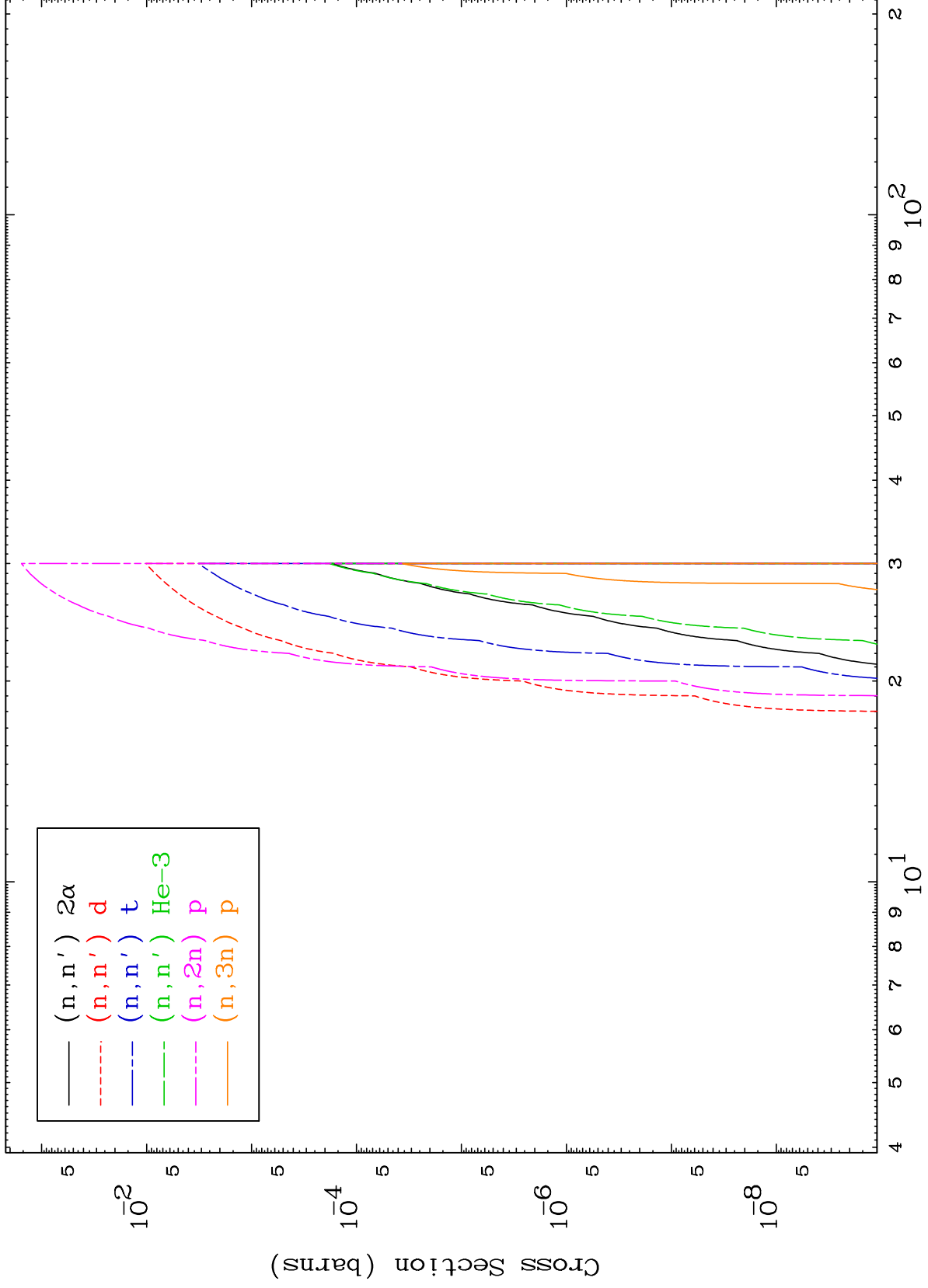
Incident Energy (MeV)

50-Sn-112

MAT 5025

Neutron Production
293 Kelvin Cross Sections

50-Sn-112



3

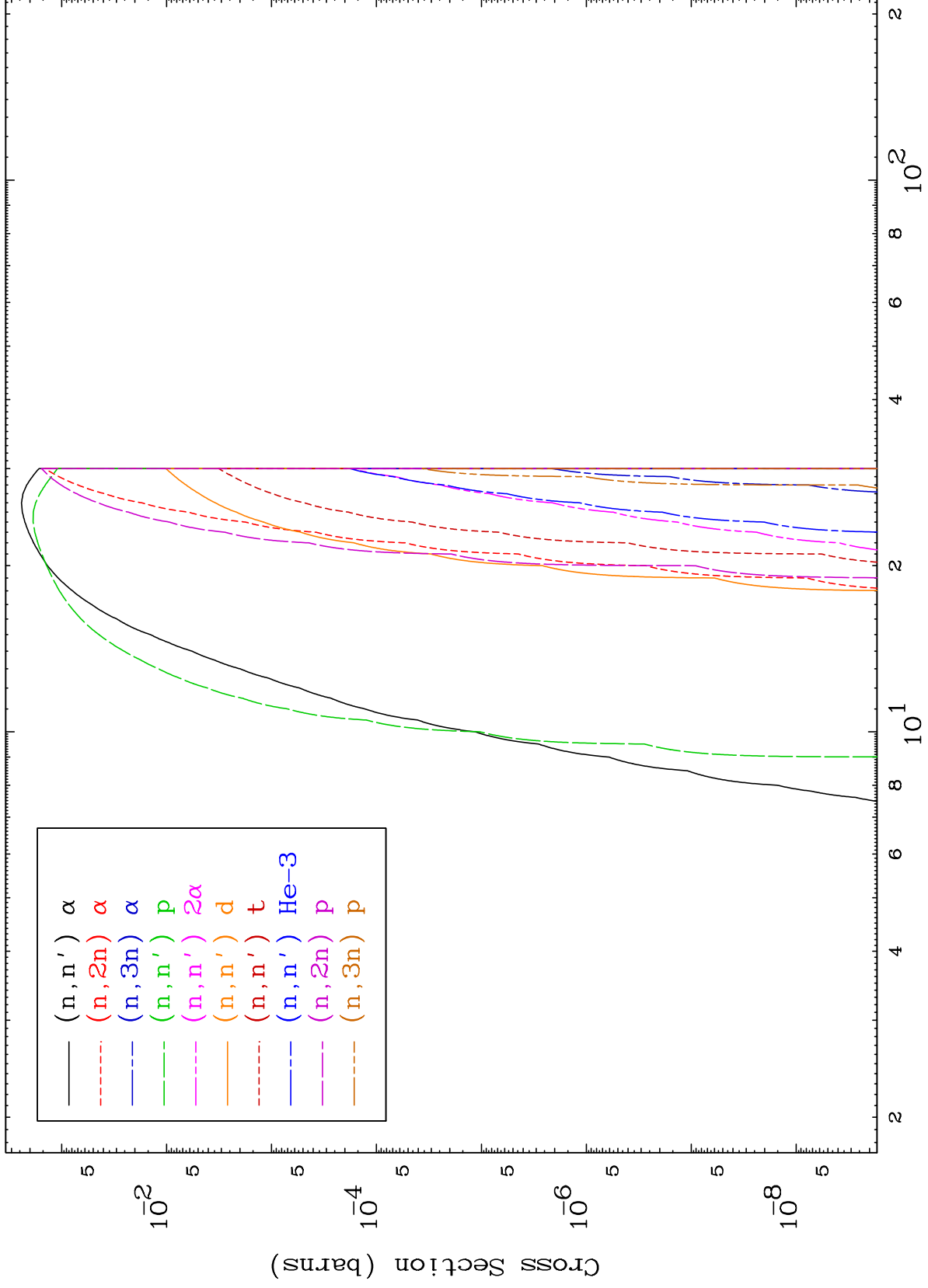
Incident Energy (MeV)

50-Sn-112

MAT 5025

Charged Particle
293 Kelvin Cross Sections

50-Sn-112



4

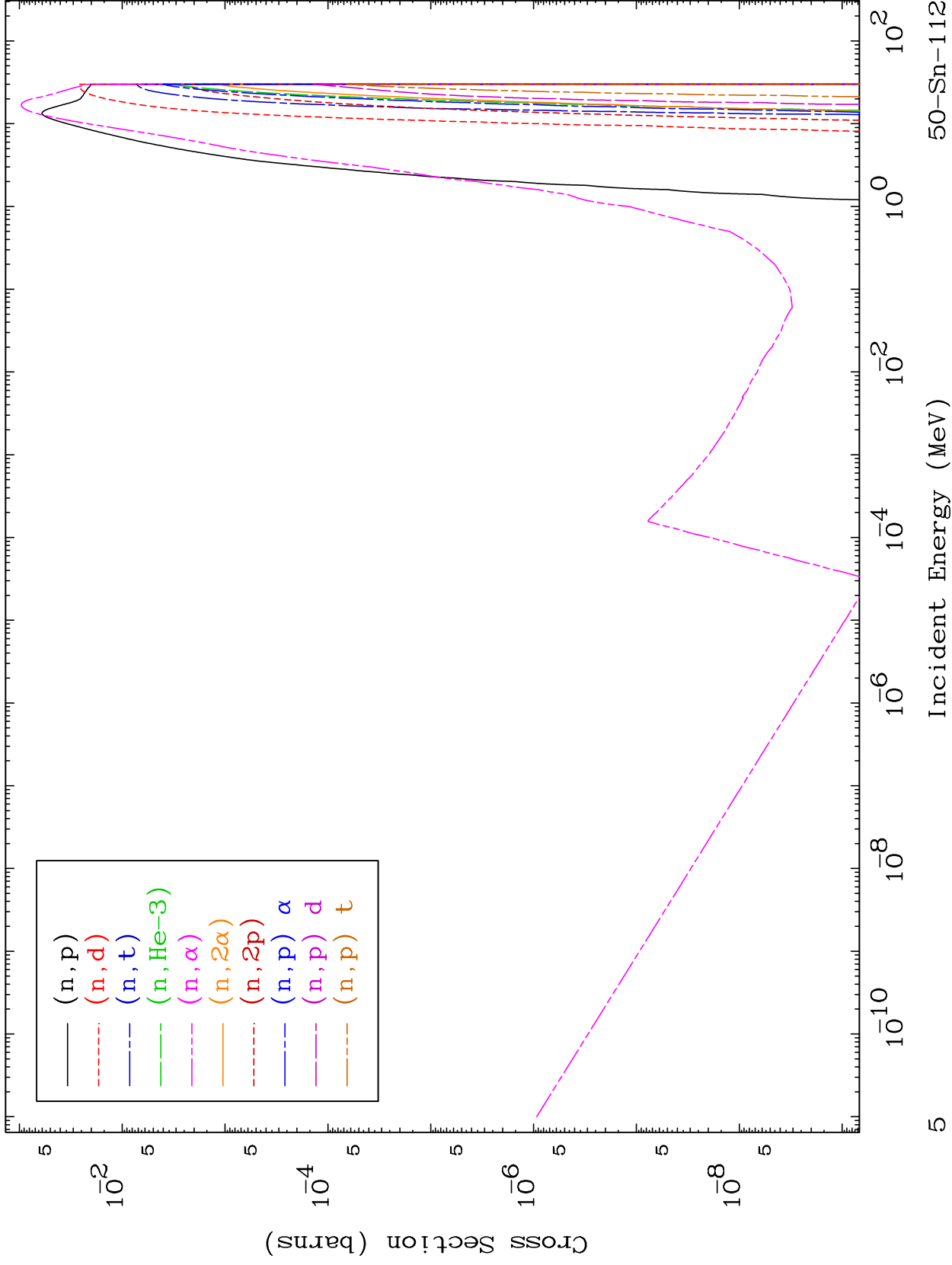
Incident Energy (MeV)

50-Sn-112

MAT 5025

Charged Particle
293 Kelvin Cross Sections

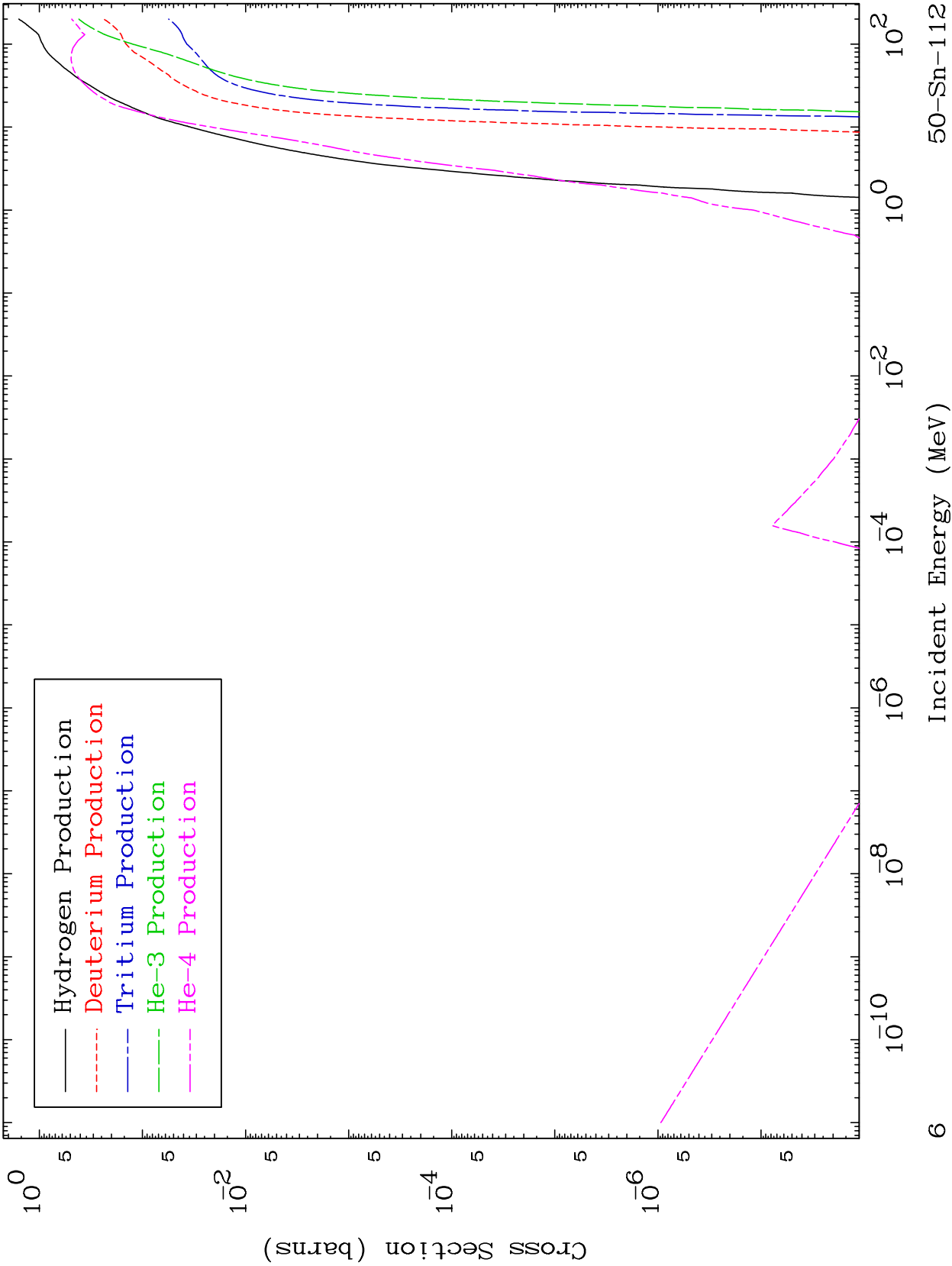
50-Sn-112



MAT 5025

Particle Production
293 Kelvin Cross Sections

50-Sn-112

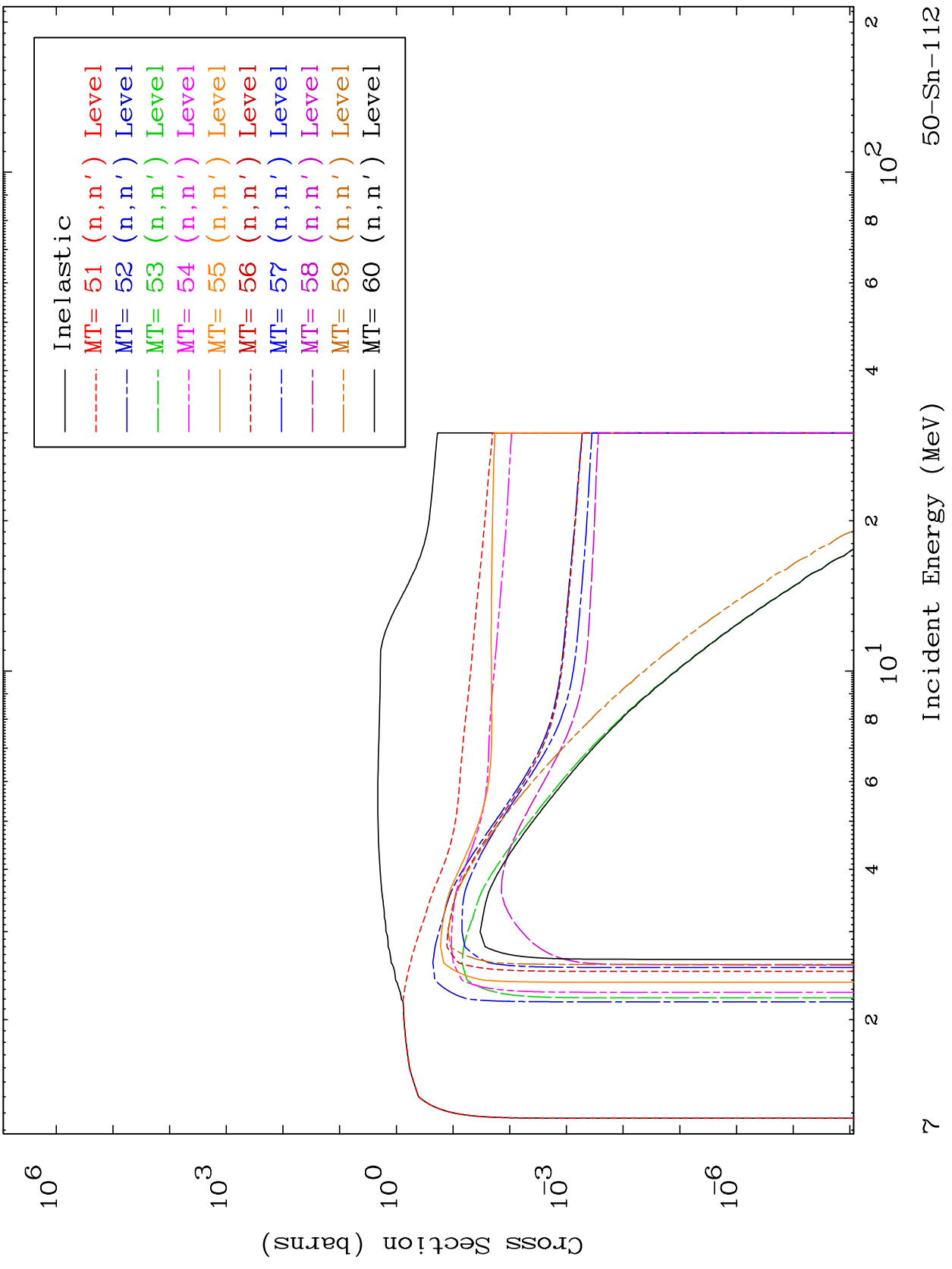


MAT 5025

(n,n') Level

50-Sn-112

293 Kelvin Cross Sections

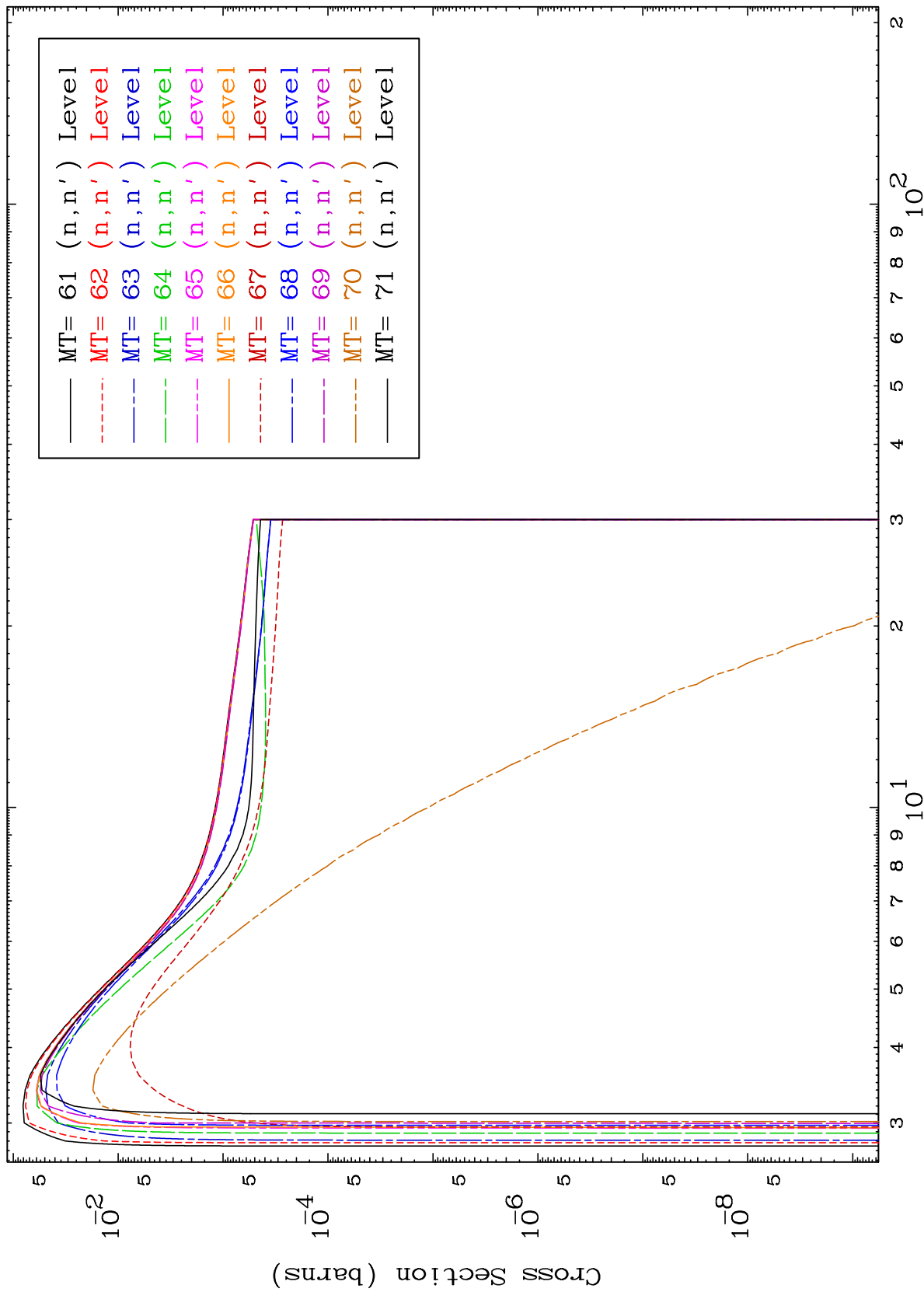


MAT 5025

(n,n') Level

50-Sn-112

293 Kelvin Cross Sections



8

Incident Energy (MeV)

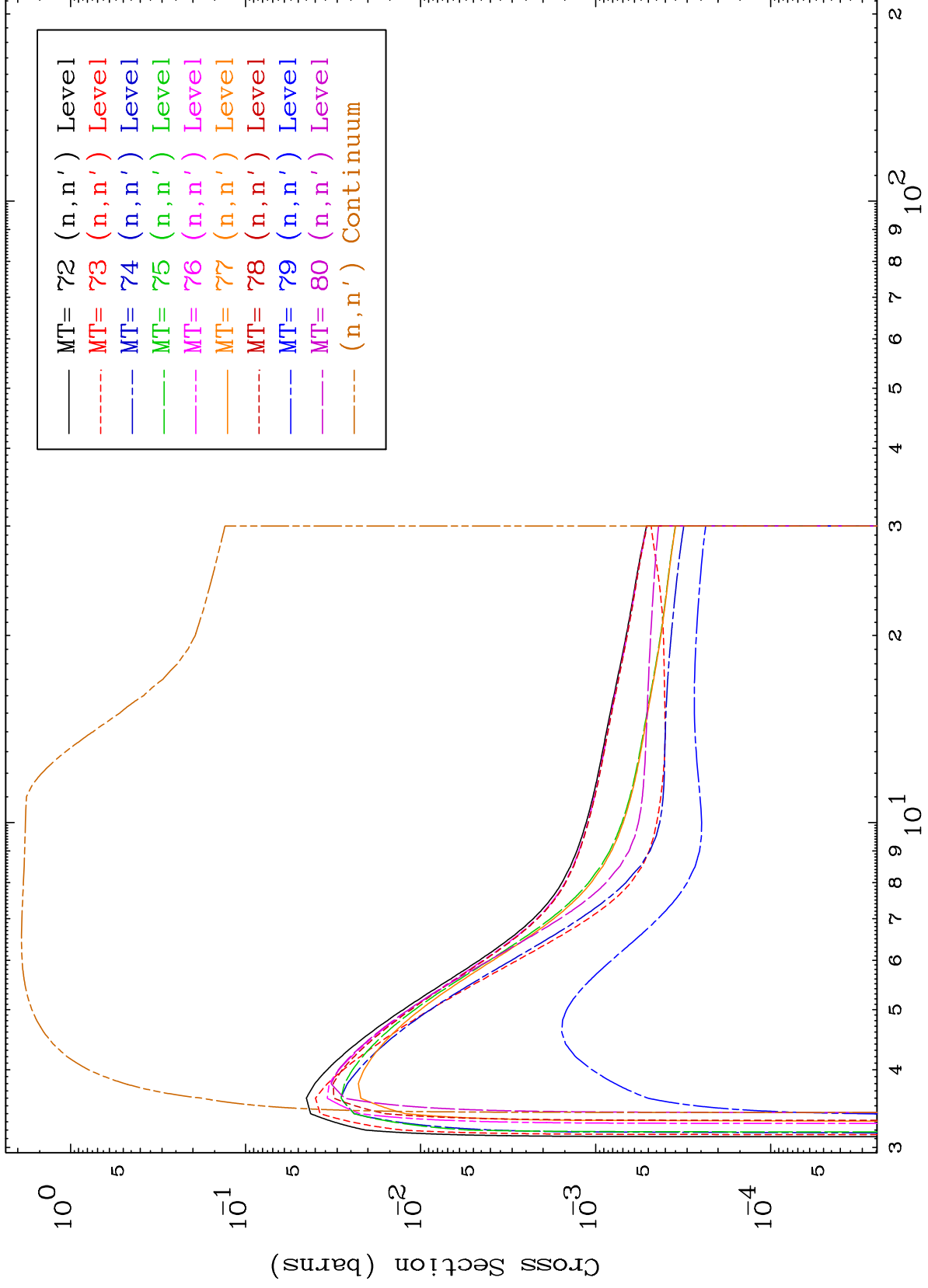
50-Sn-112

MAT 5025

(n,n') Level

50-Sn-112

293 Kelvin Cross Sections



9

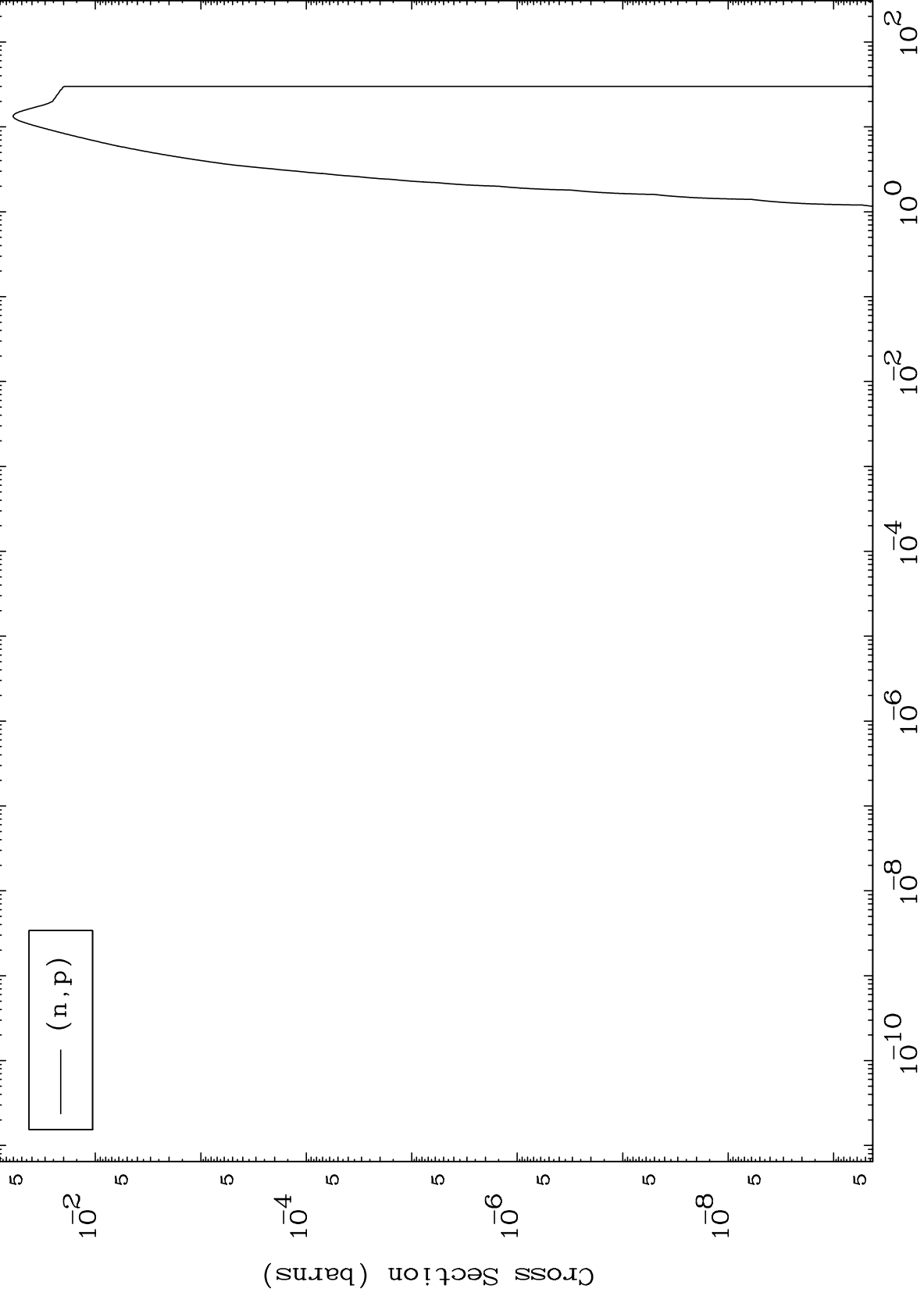
Incident Energy (MeV)

50-Sn-112

MAT 5025

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-112



10

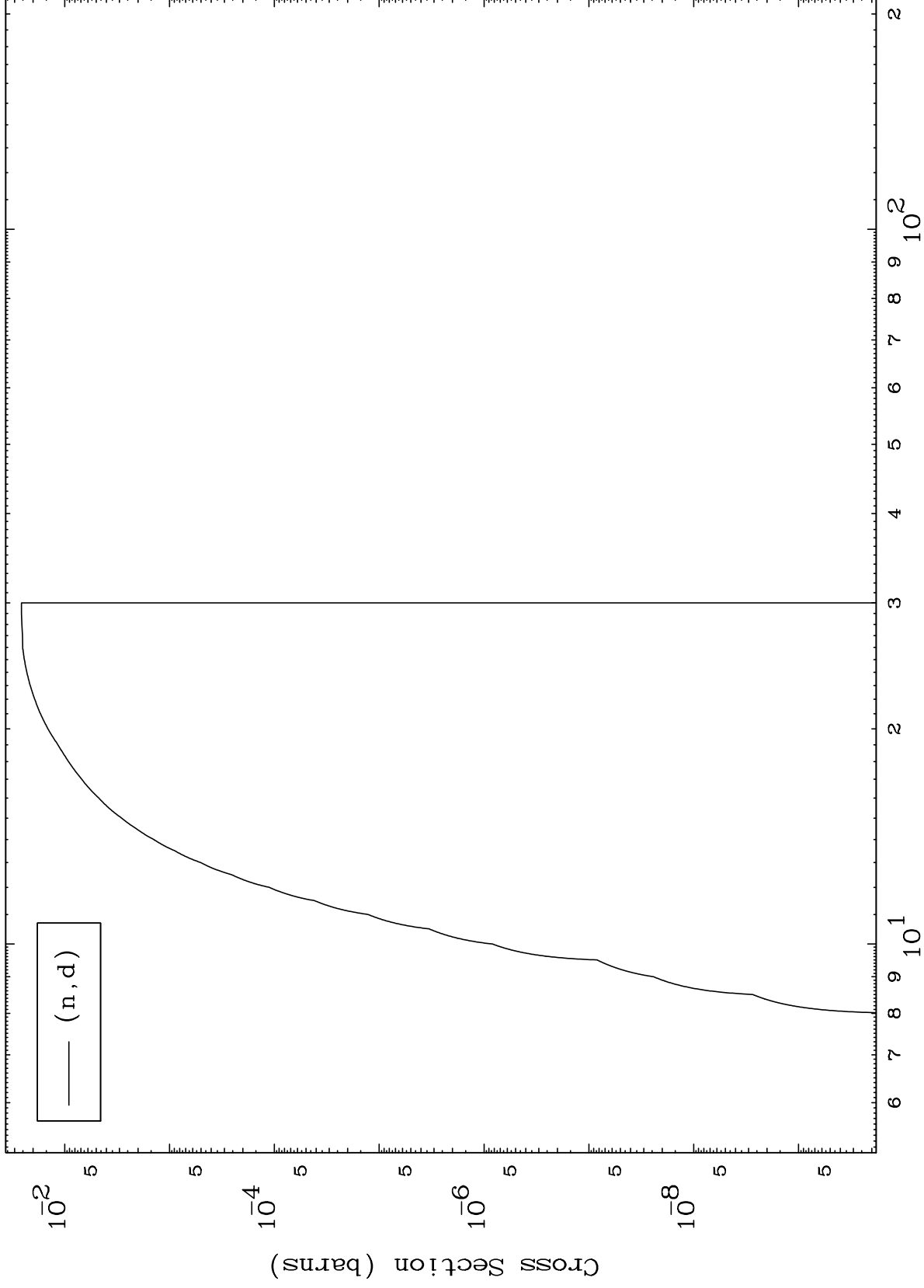
Incident Energy (MeV)

50-Sn-112

MAT 5025

(n,d) Levels
293 Kelvin Cross Sections

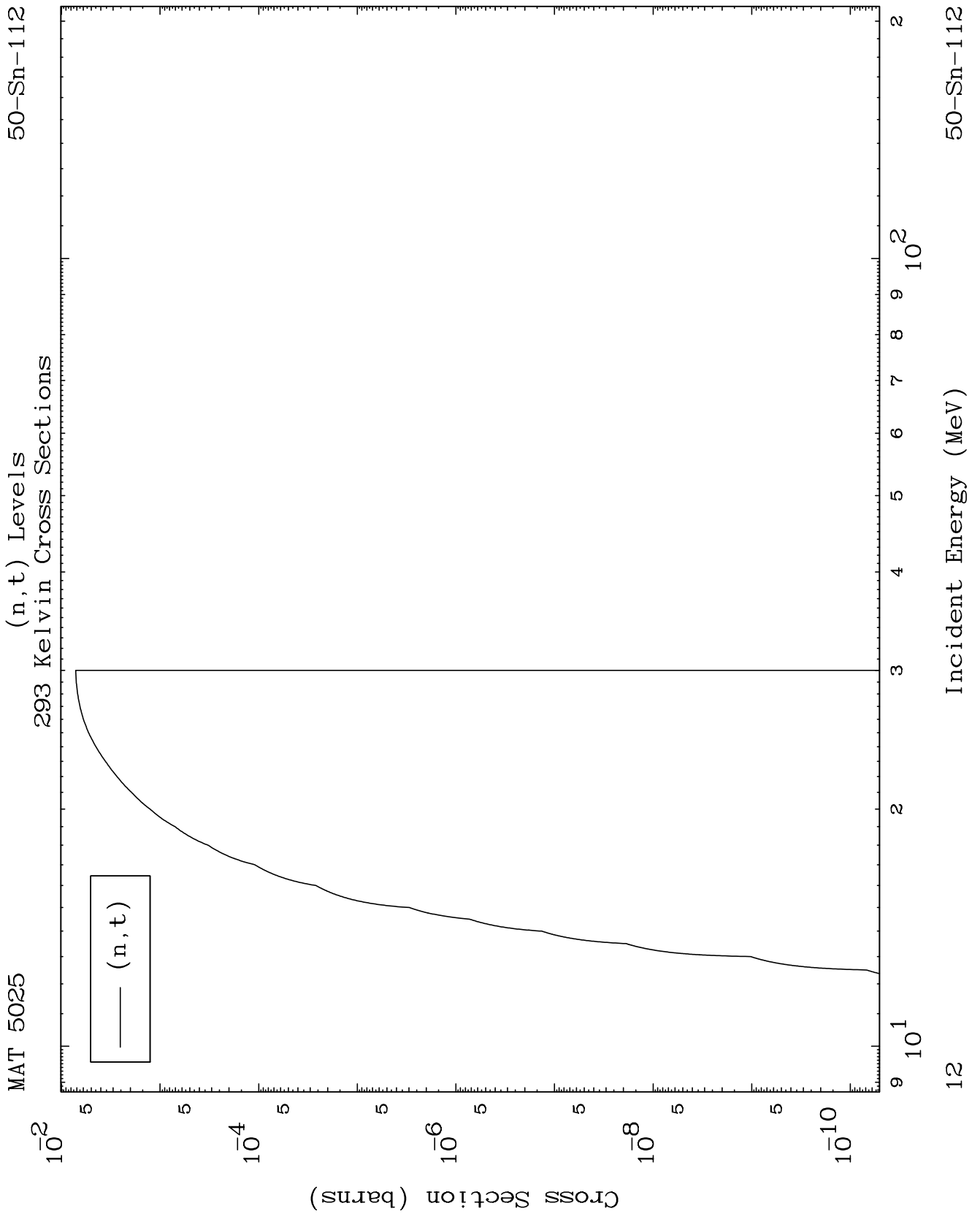
50-Sn-112



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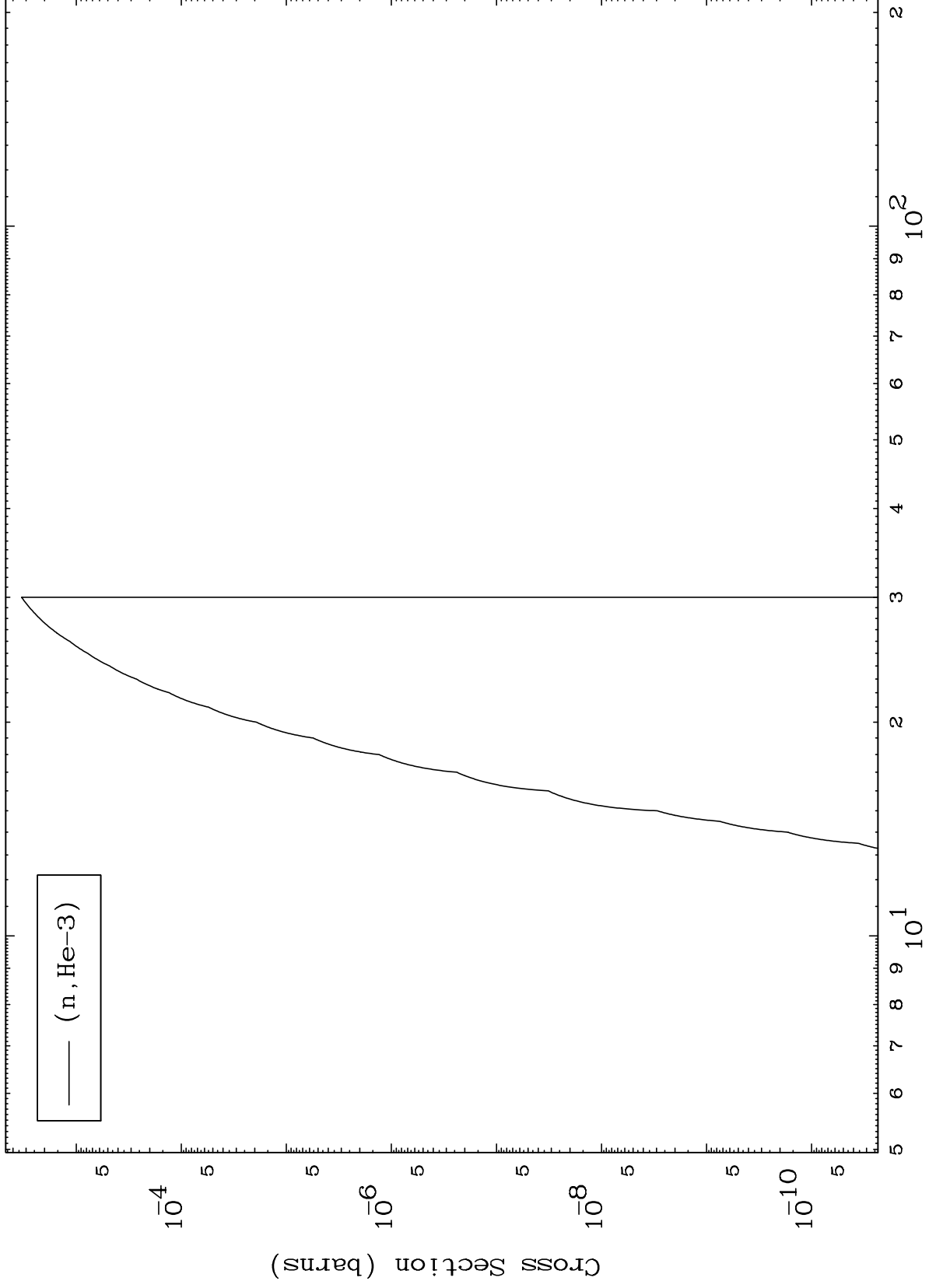
50-Sn-112



MAT 5025

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-112



13

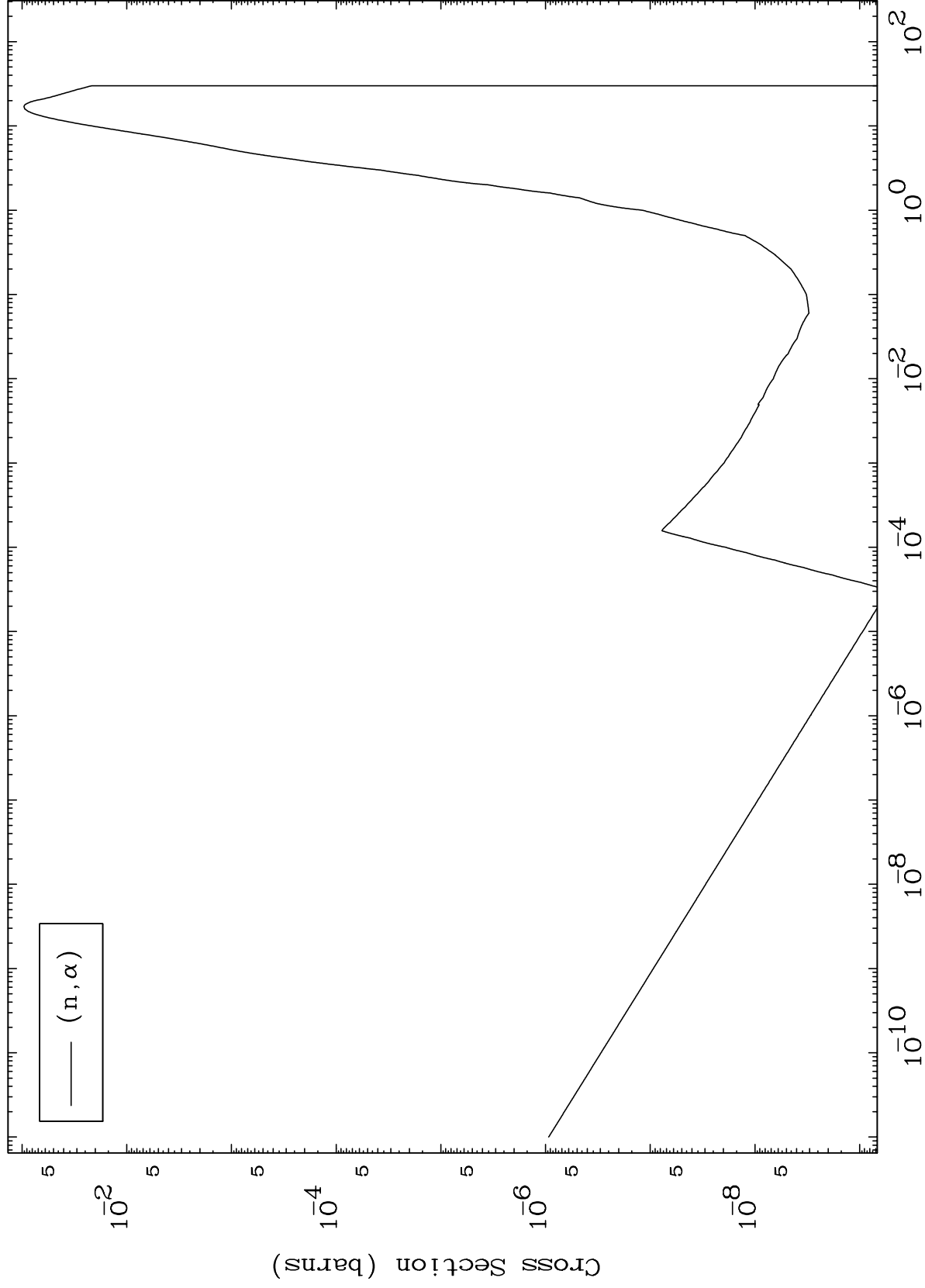
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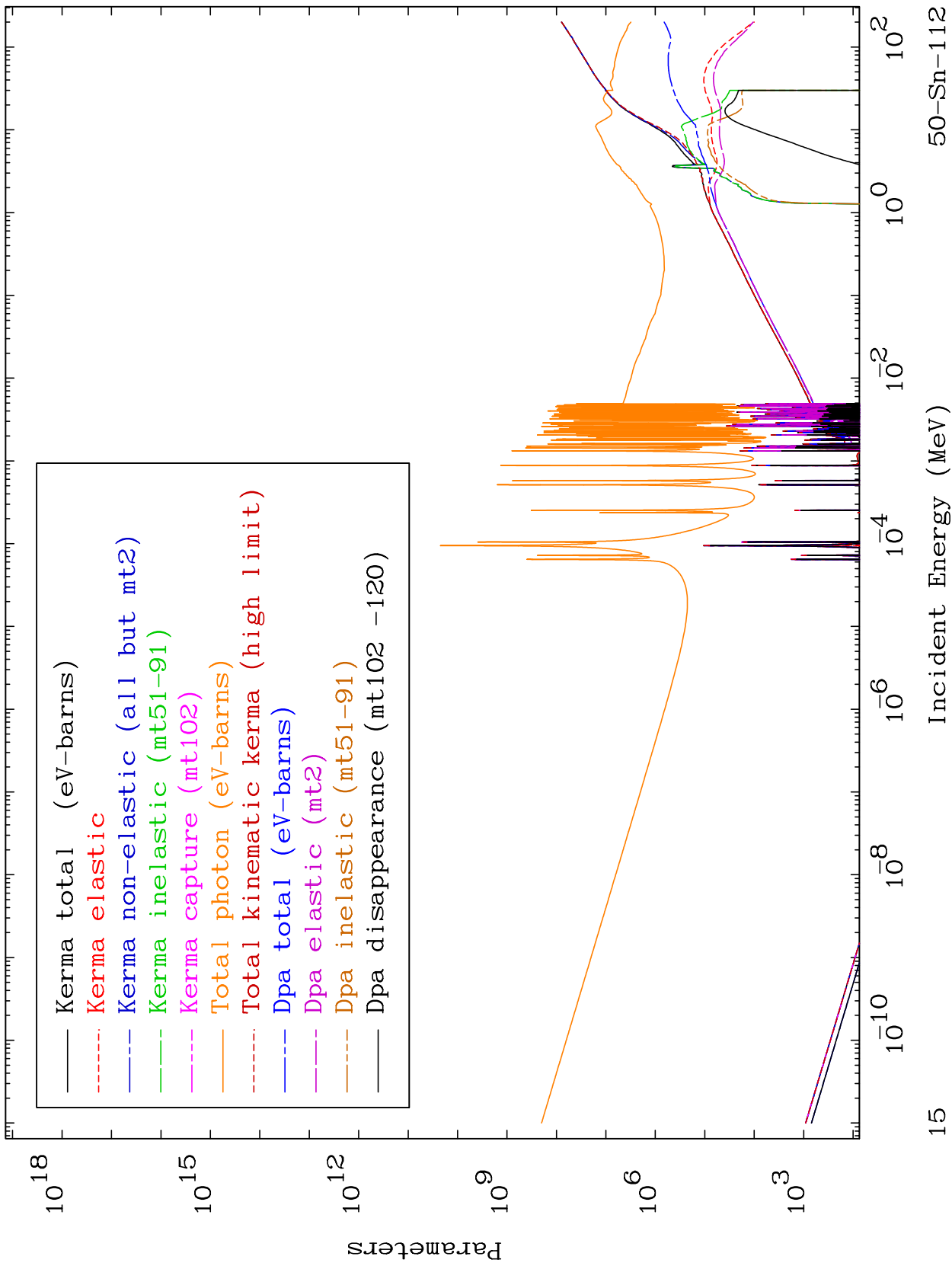
50-Sn-112

MAT 5025

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-112

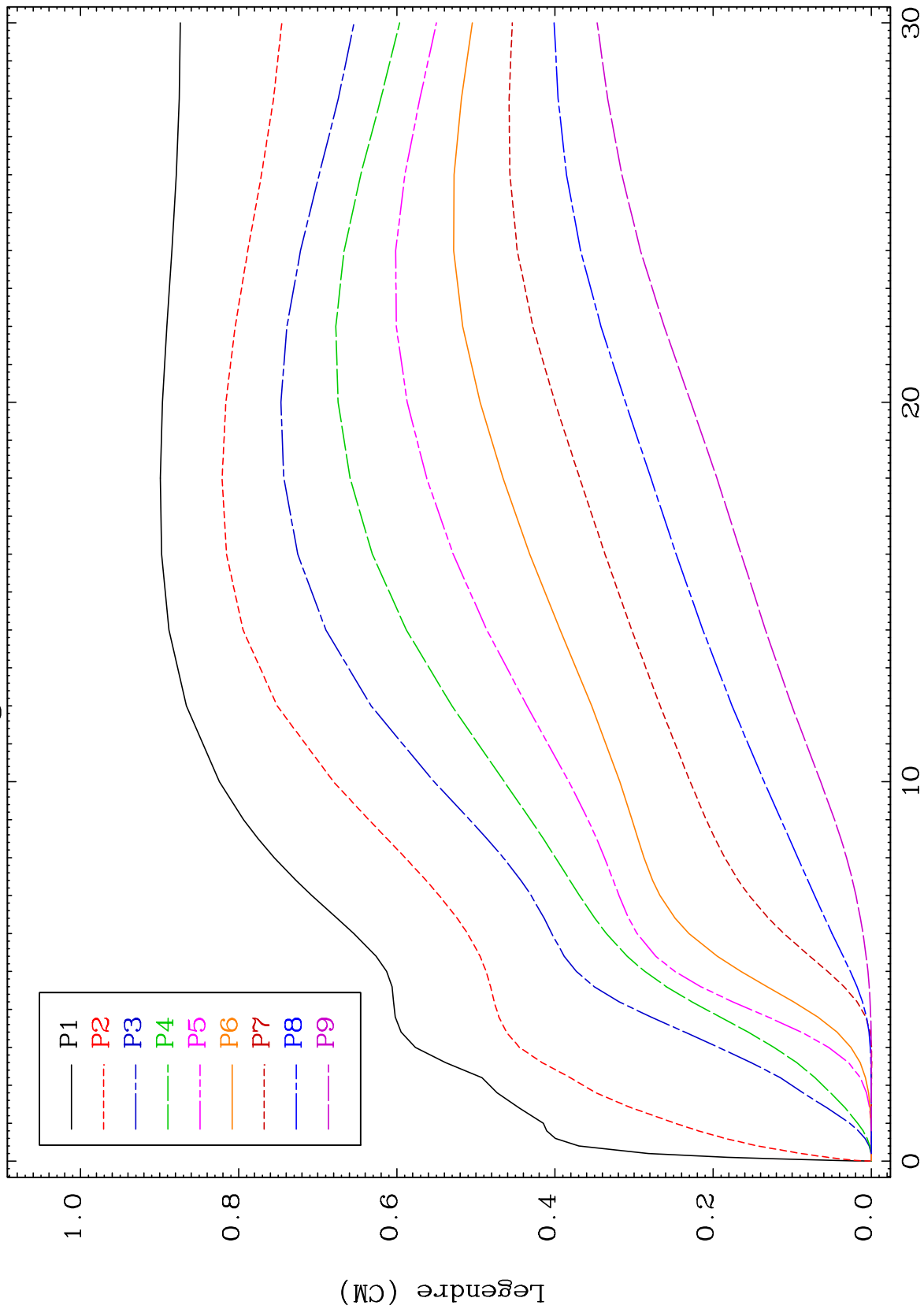




MAT 5025

Elastic Legendre Coefficients

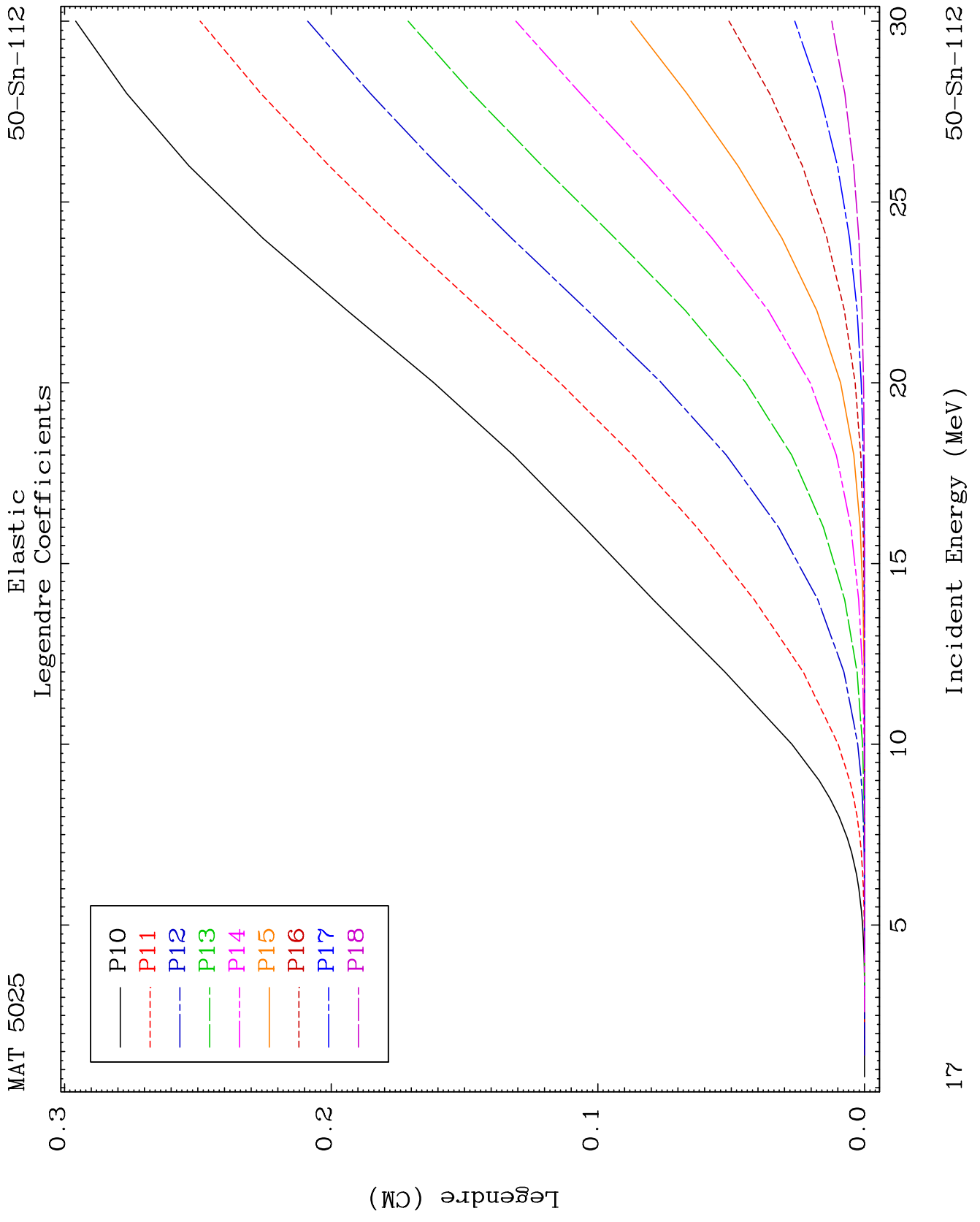
50-Sn-112



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Incident Energy (MeV)

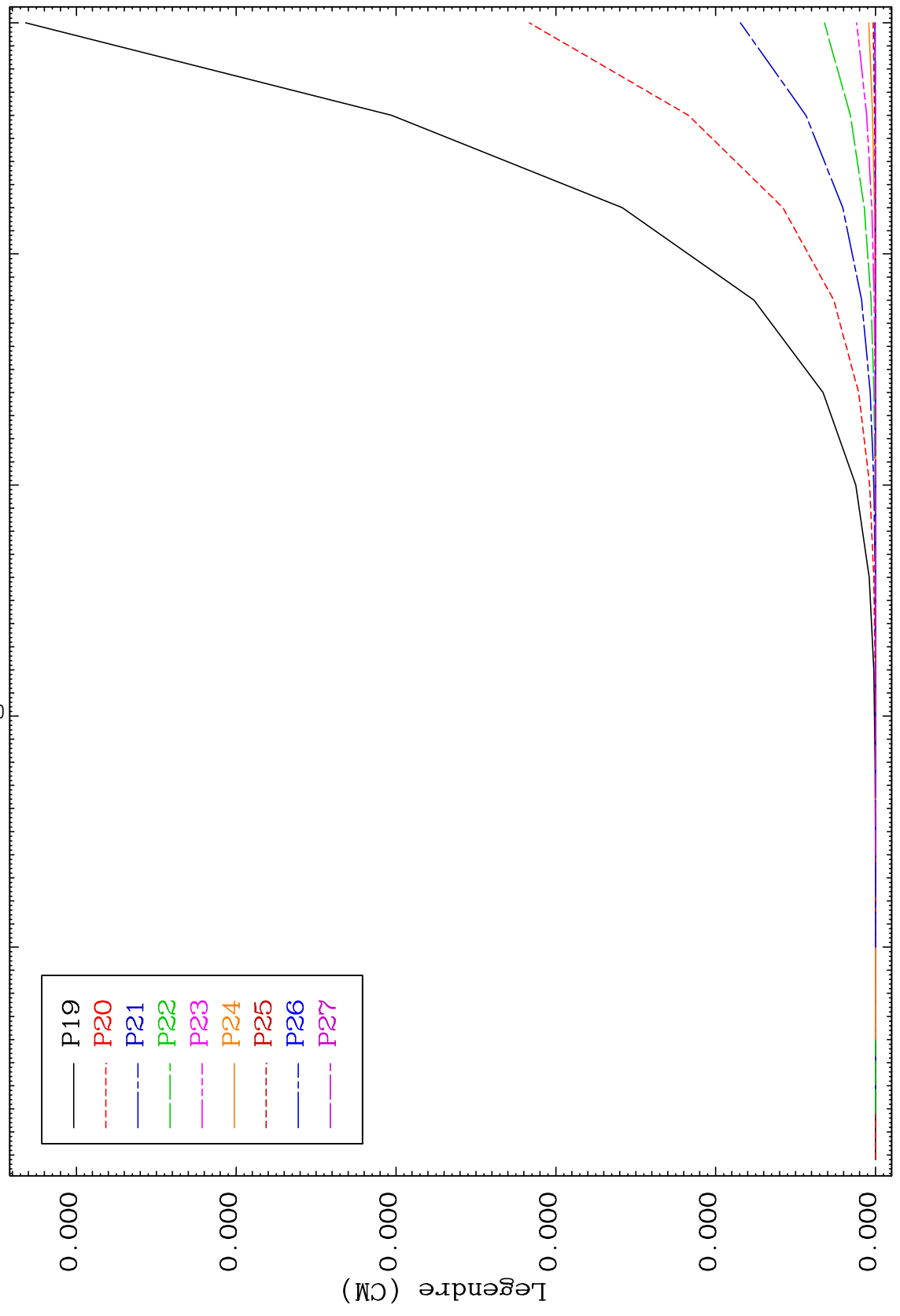
50-Sn-112



MAT 5025

Elastic Legendre Coefficients

50-Sn-112



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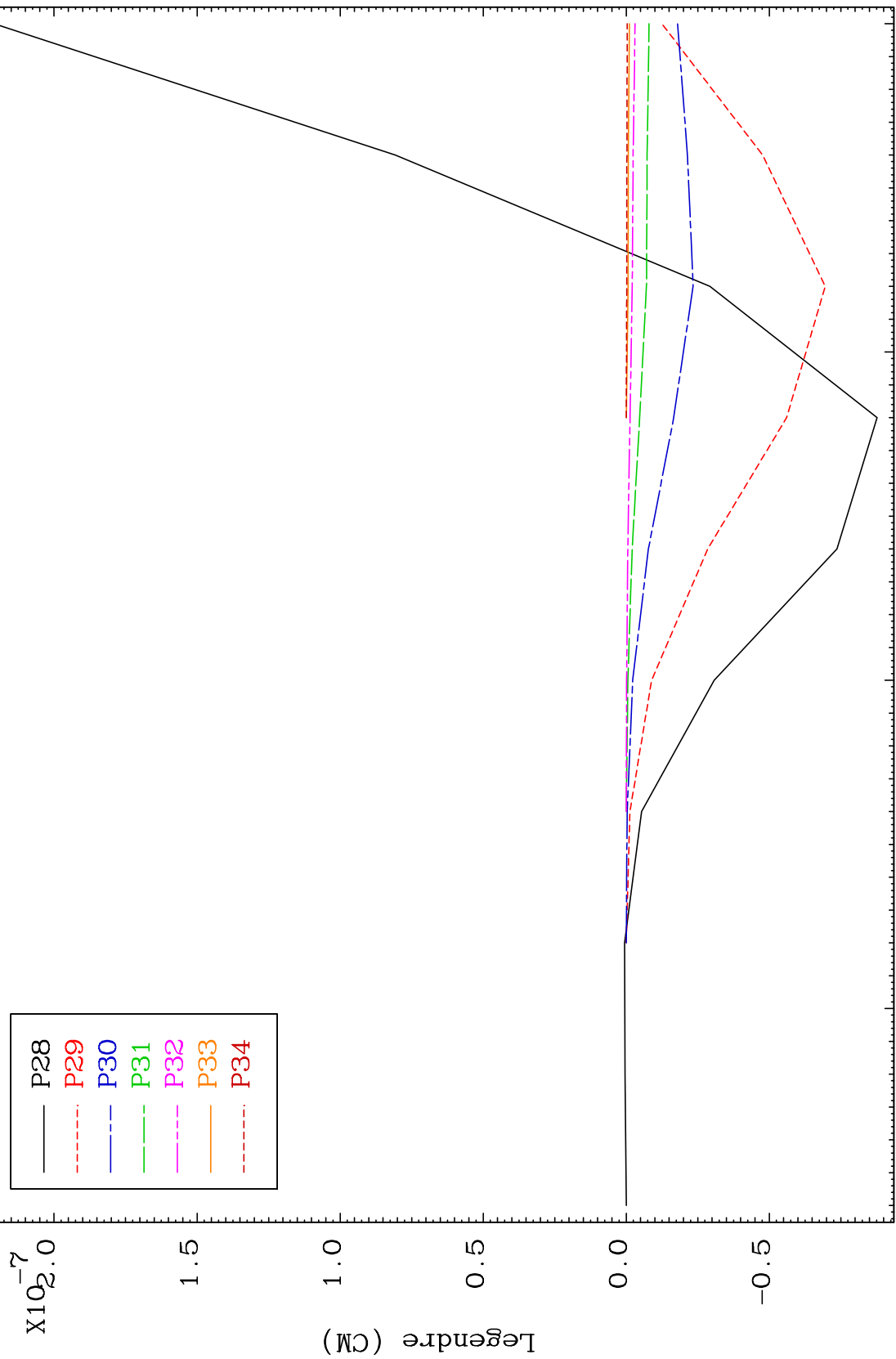
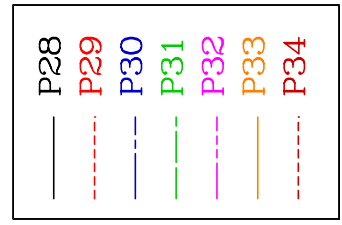
Incident Energy (MeV)

50-Sn-112

MAT 5025

Elastic Legendre Coefficients

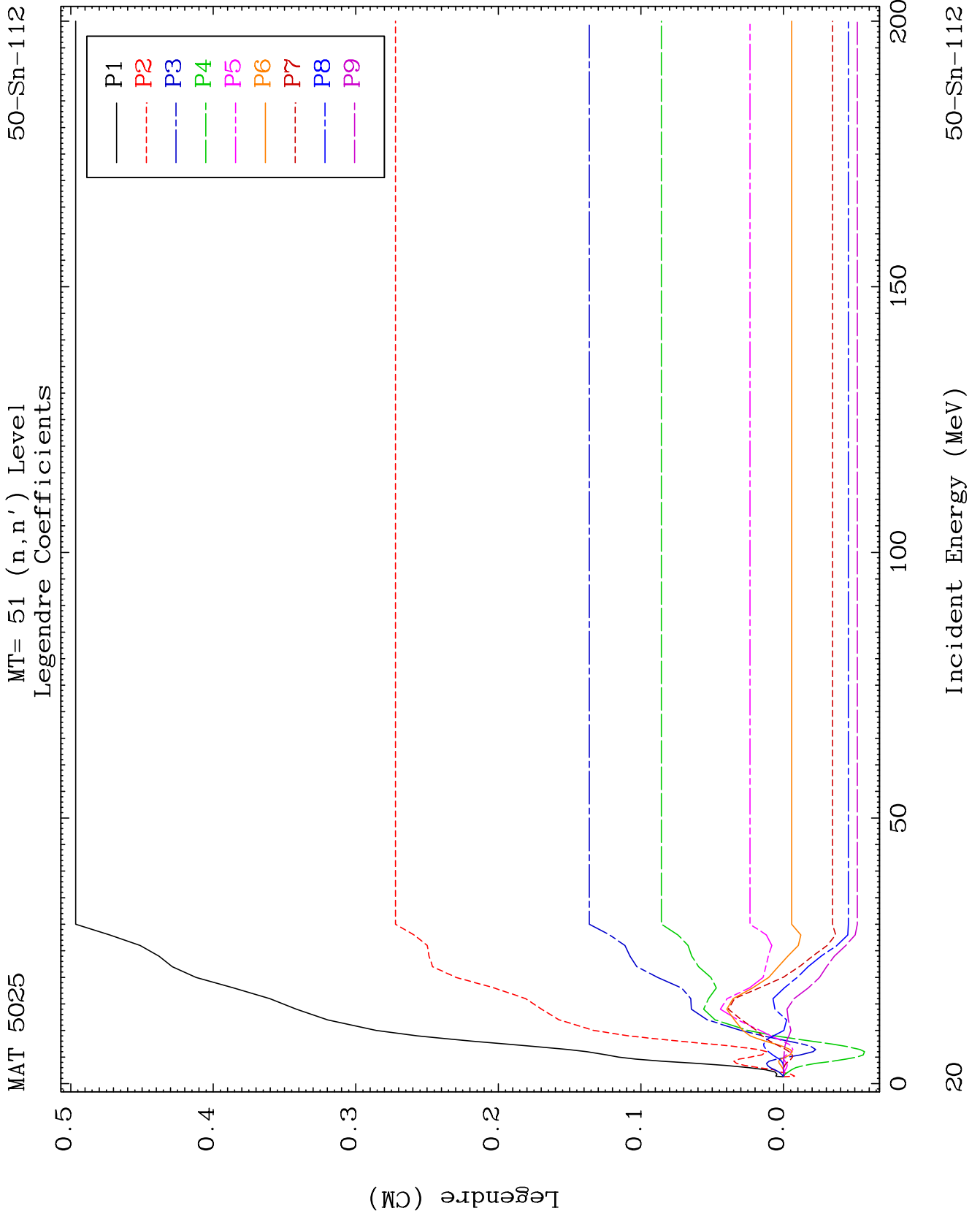
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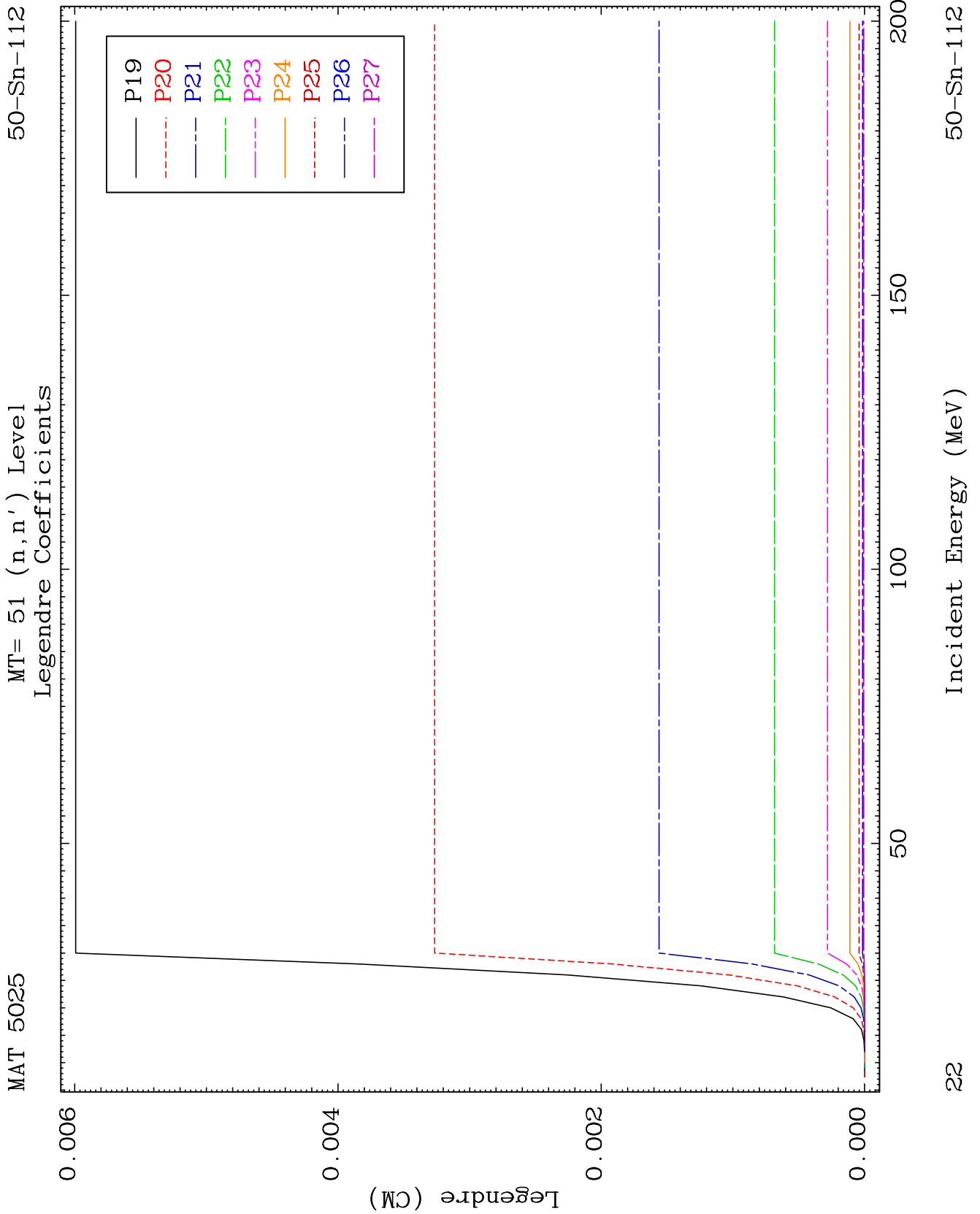


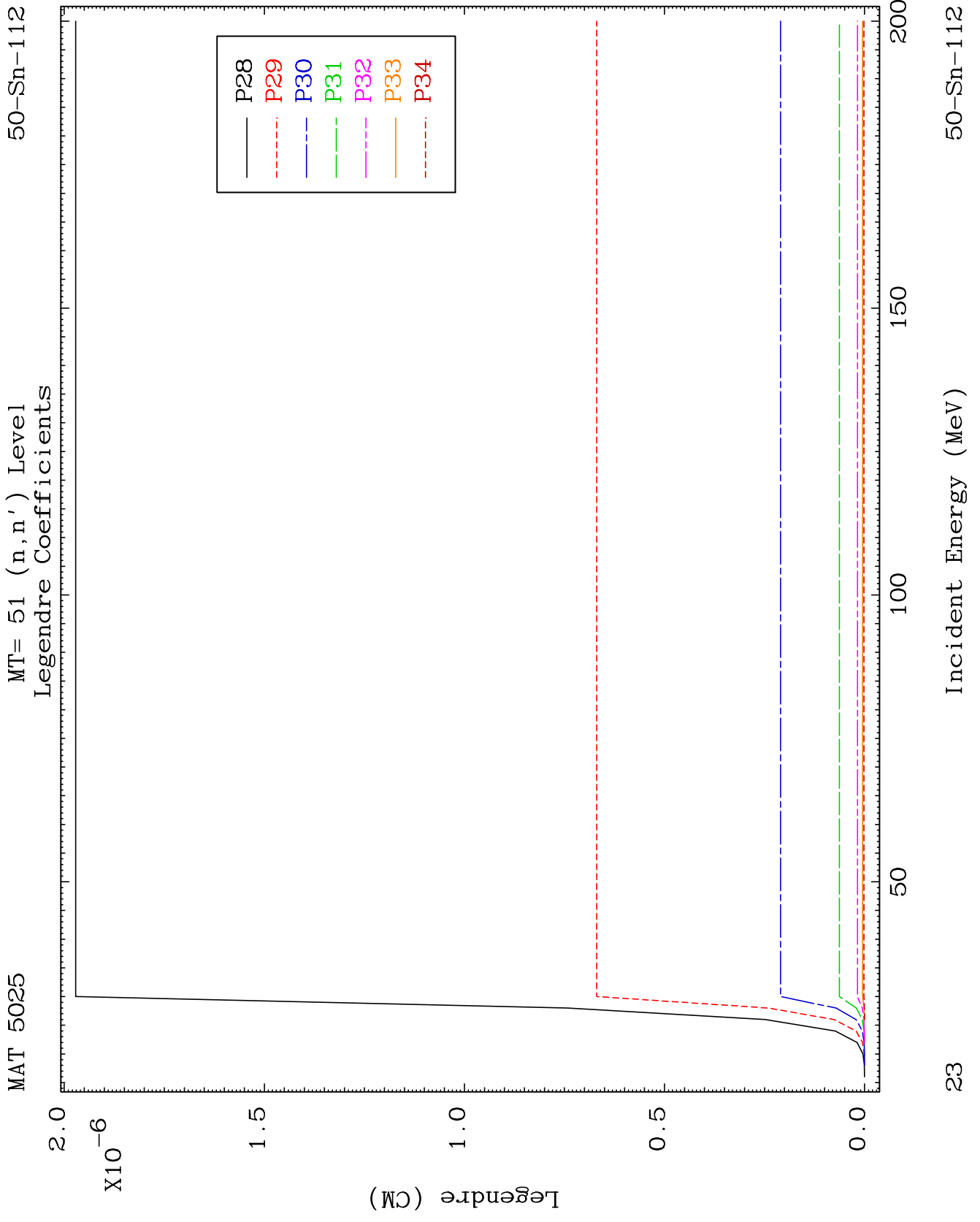
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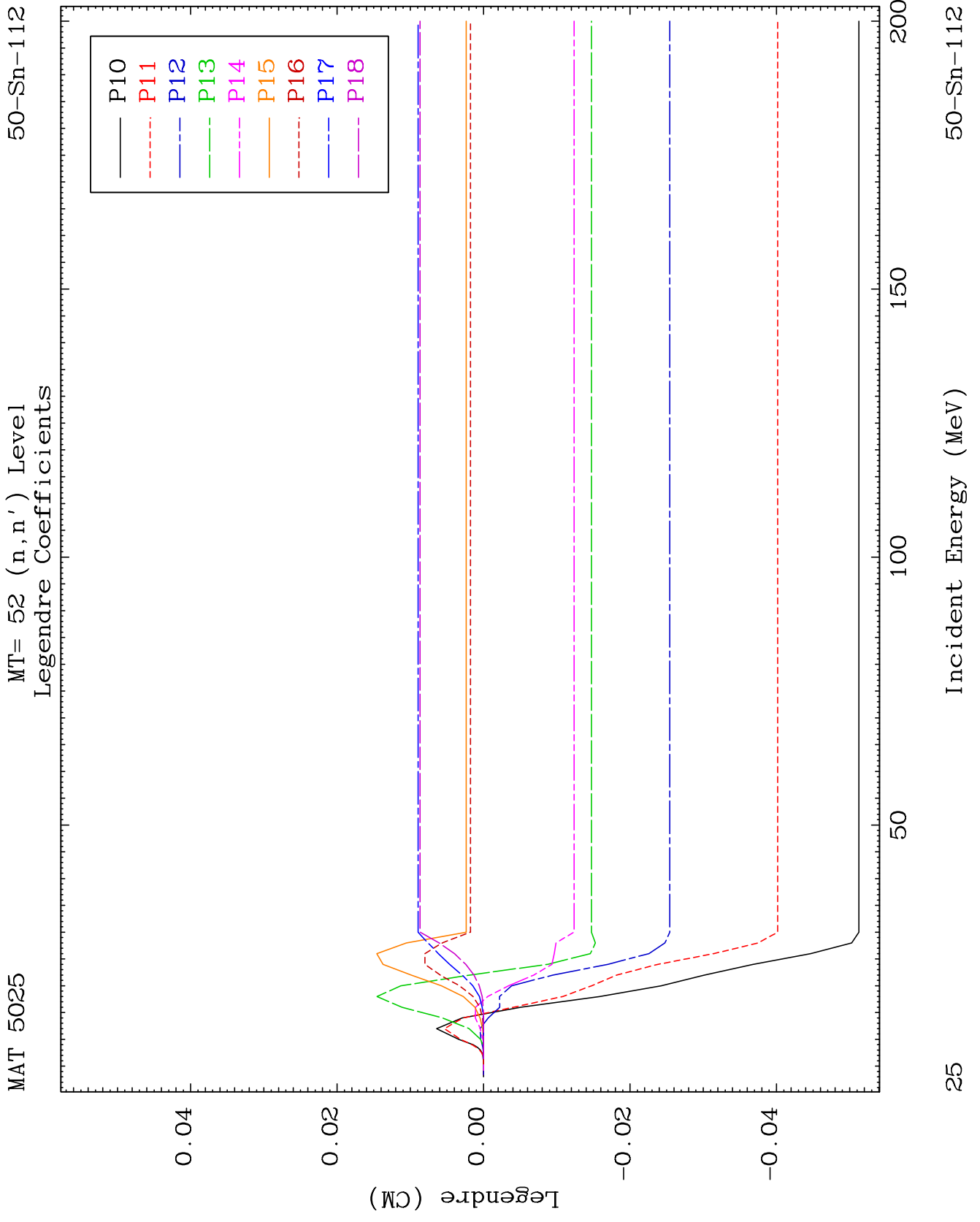
Incident Energy (MeV)

50-Sn-112





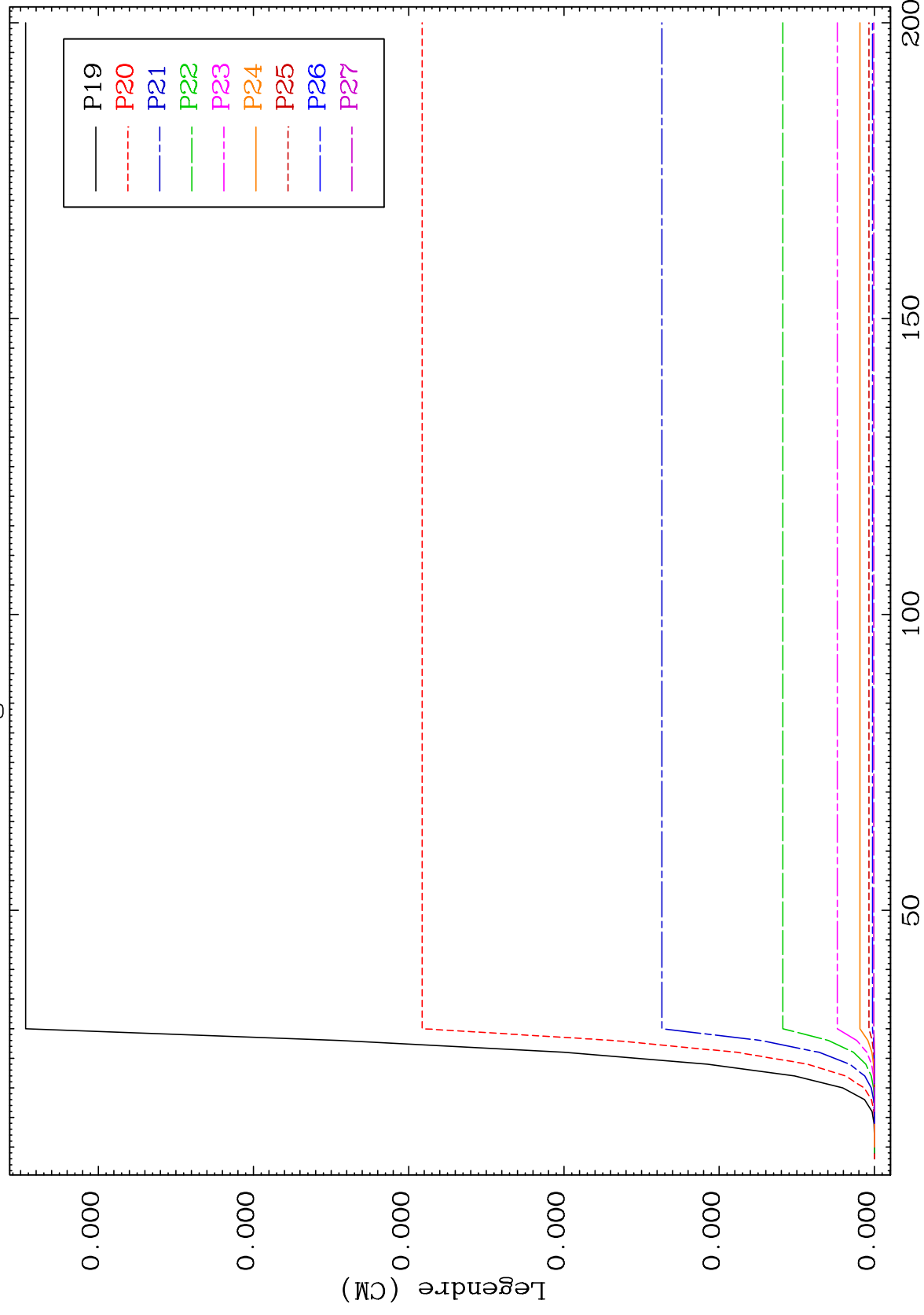




MAT 5025

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

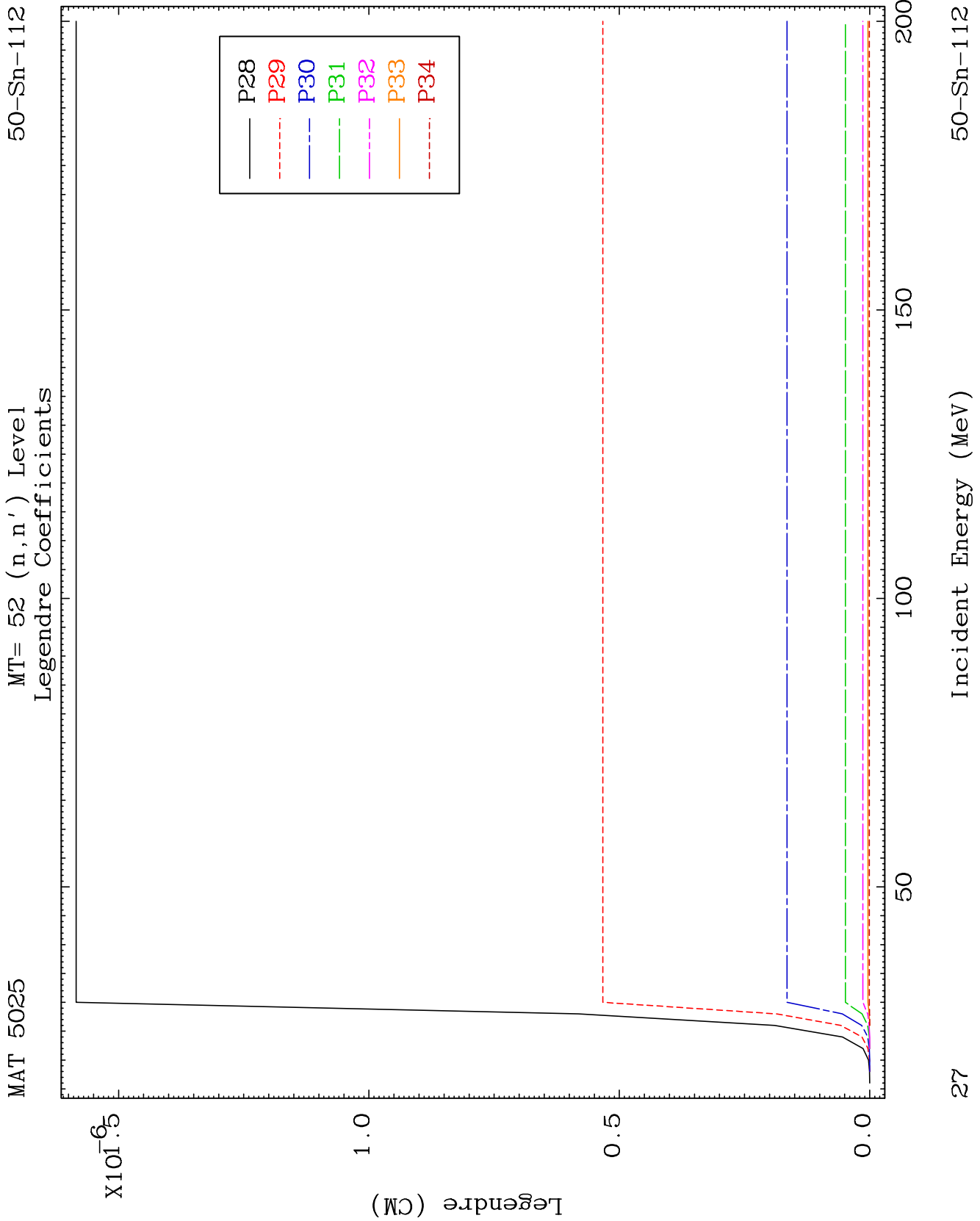
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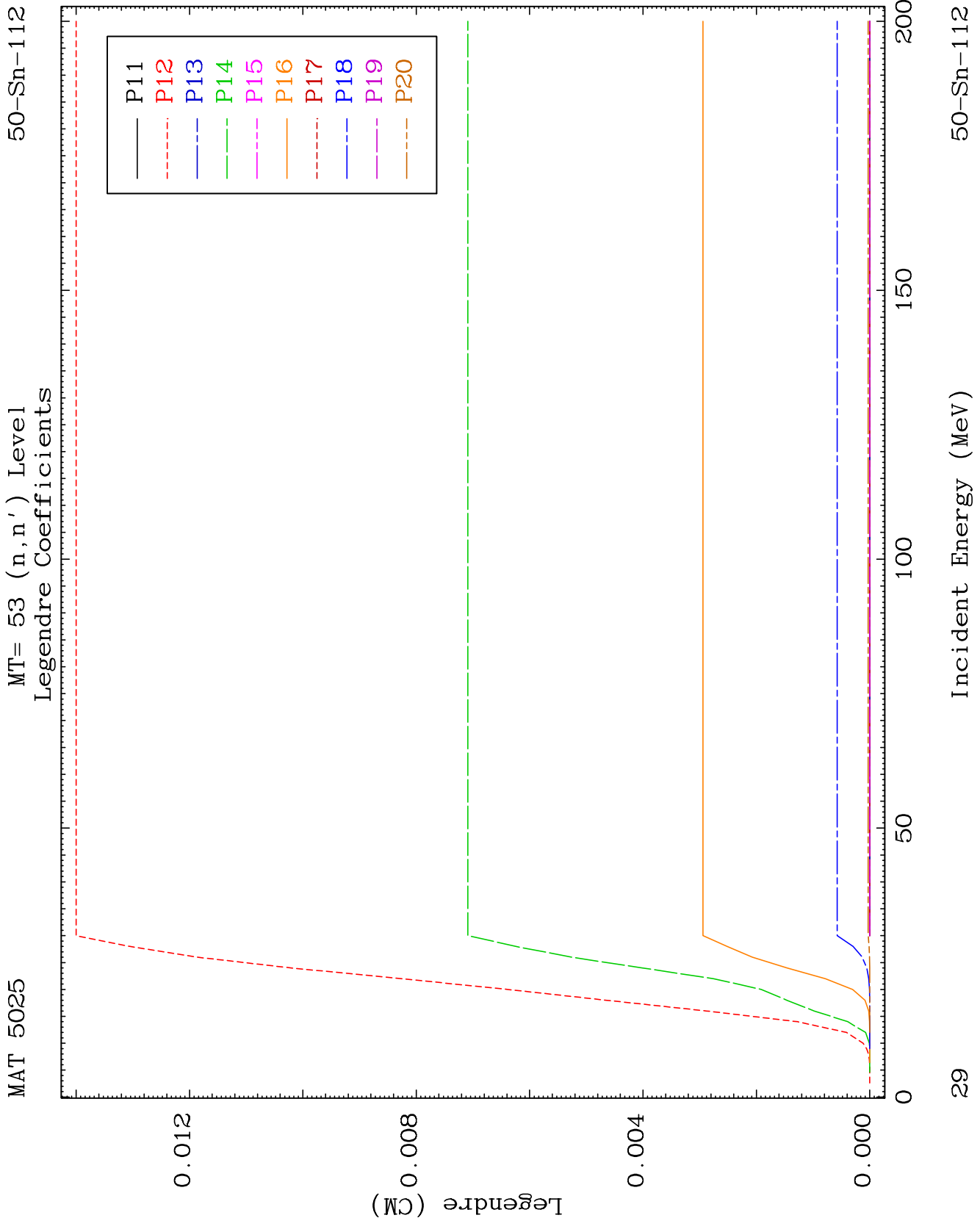


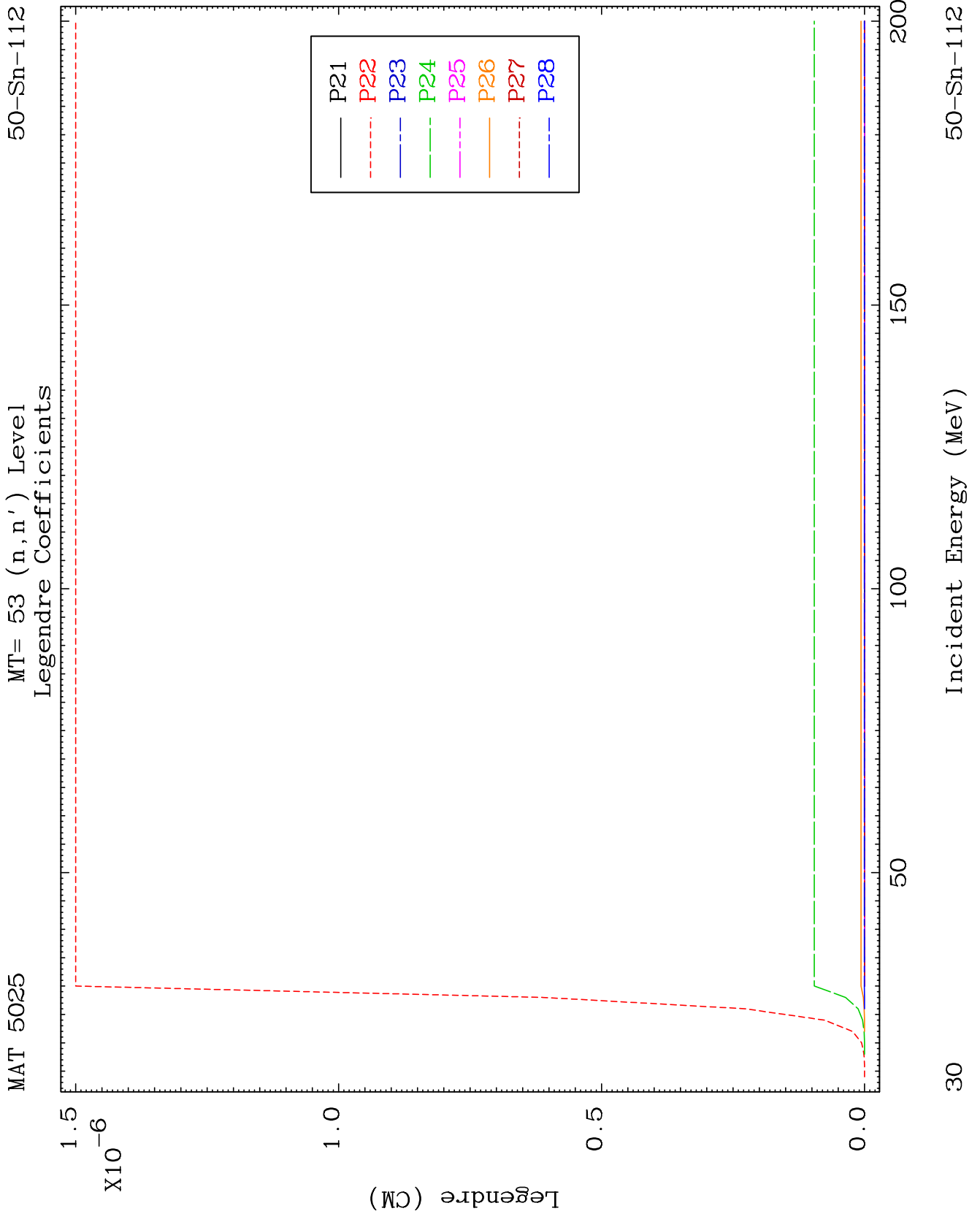
26

Incident Energy (MeV)

50-Sn-112



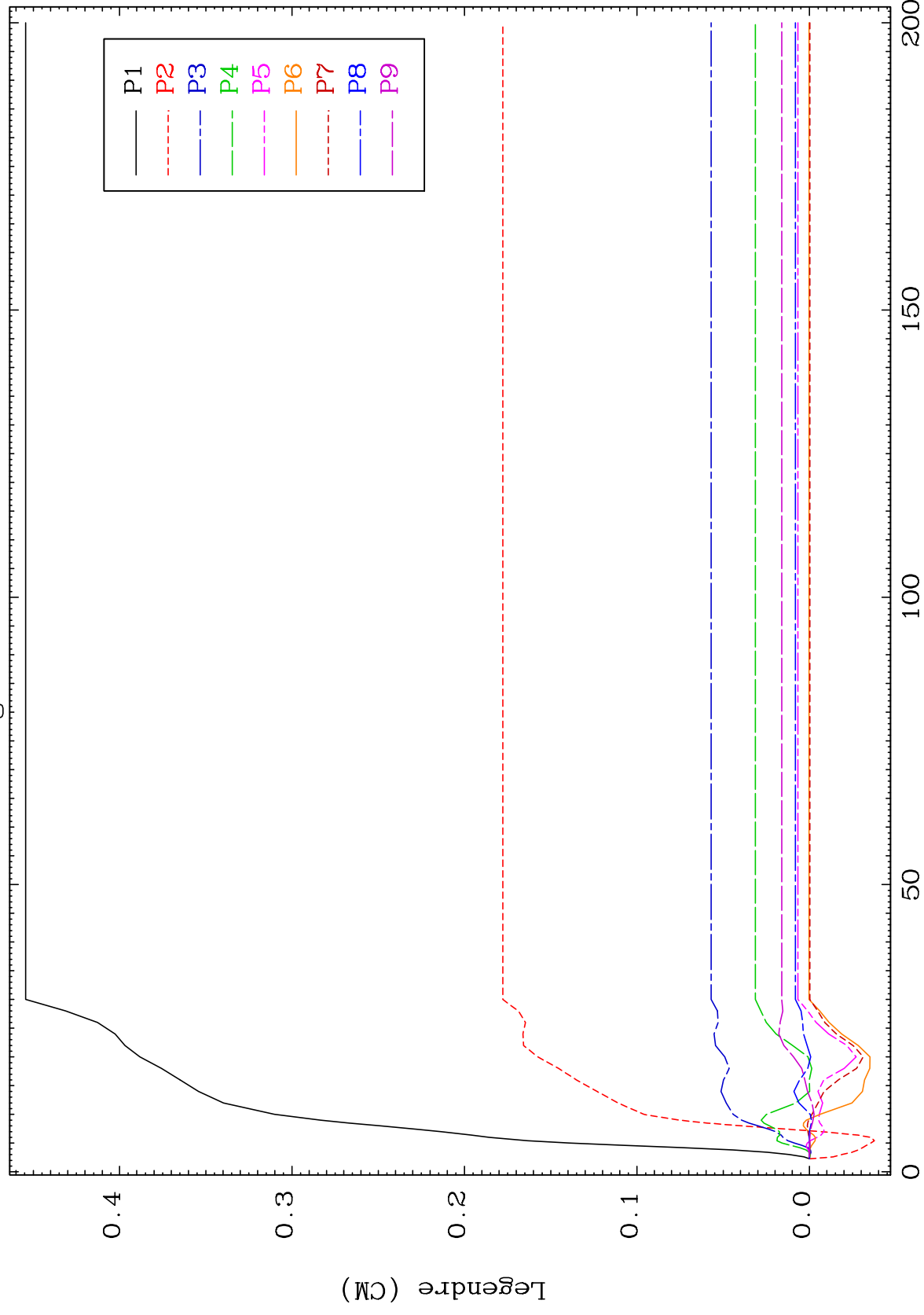




MAT 5025

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

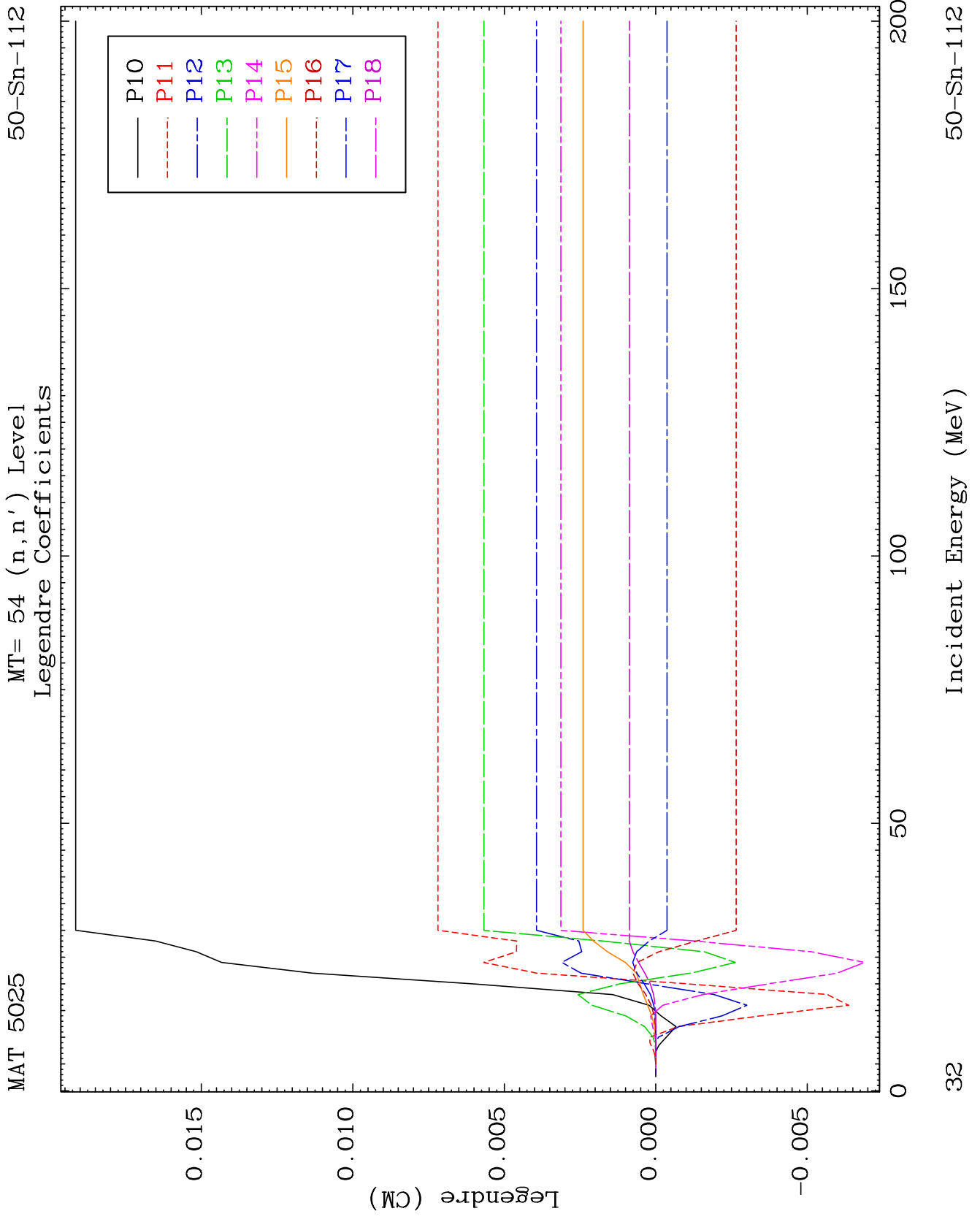
50-Sn-112



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Incident Energy (MeV)

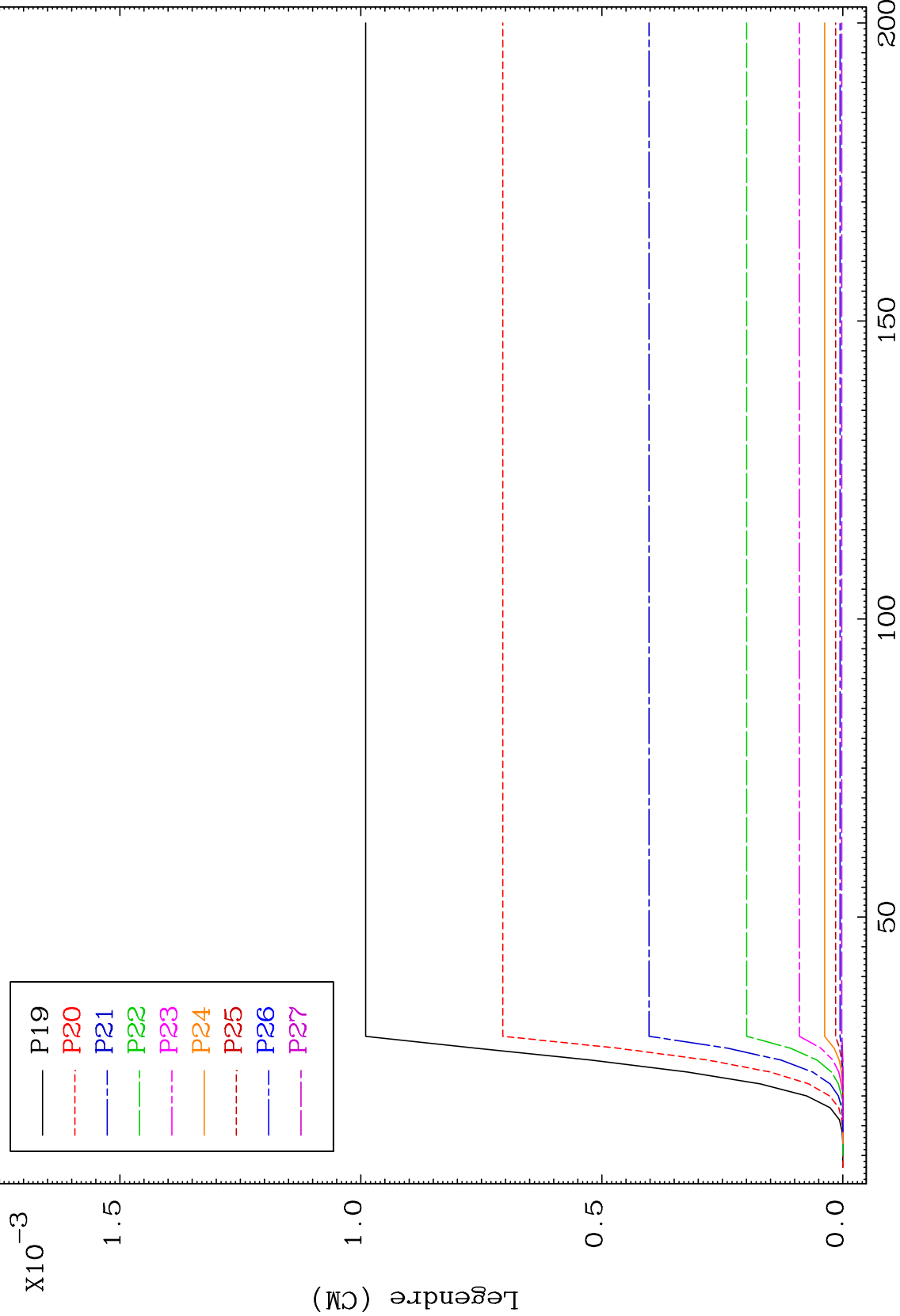
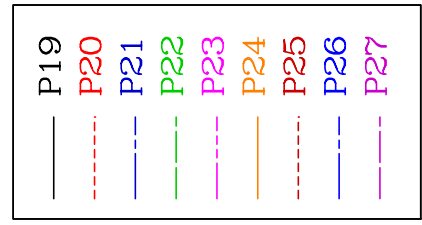
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MAT 5025

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

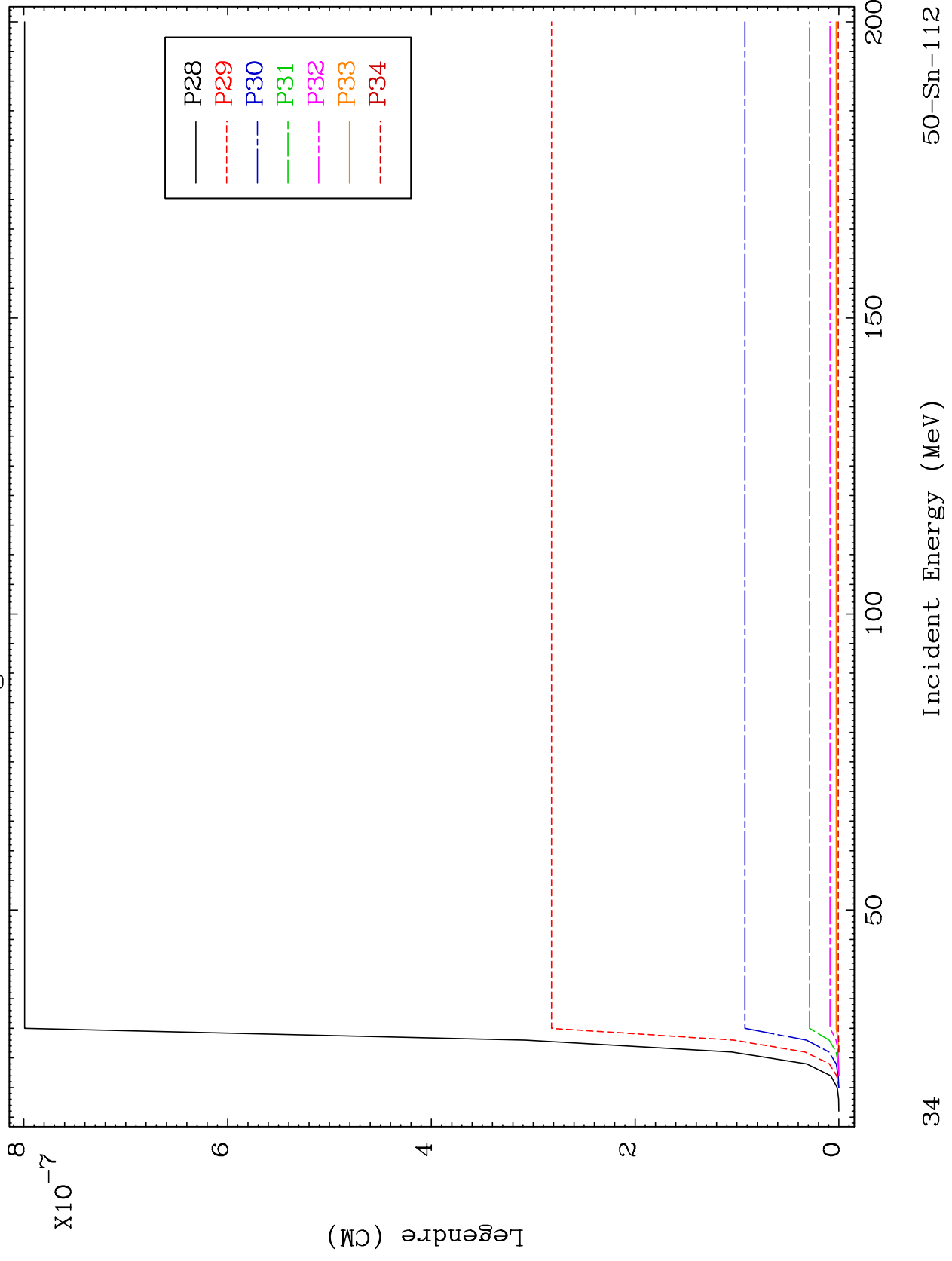
50-Sn-112



MAT 5025

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

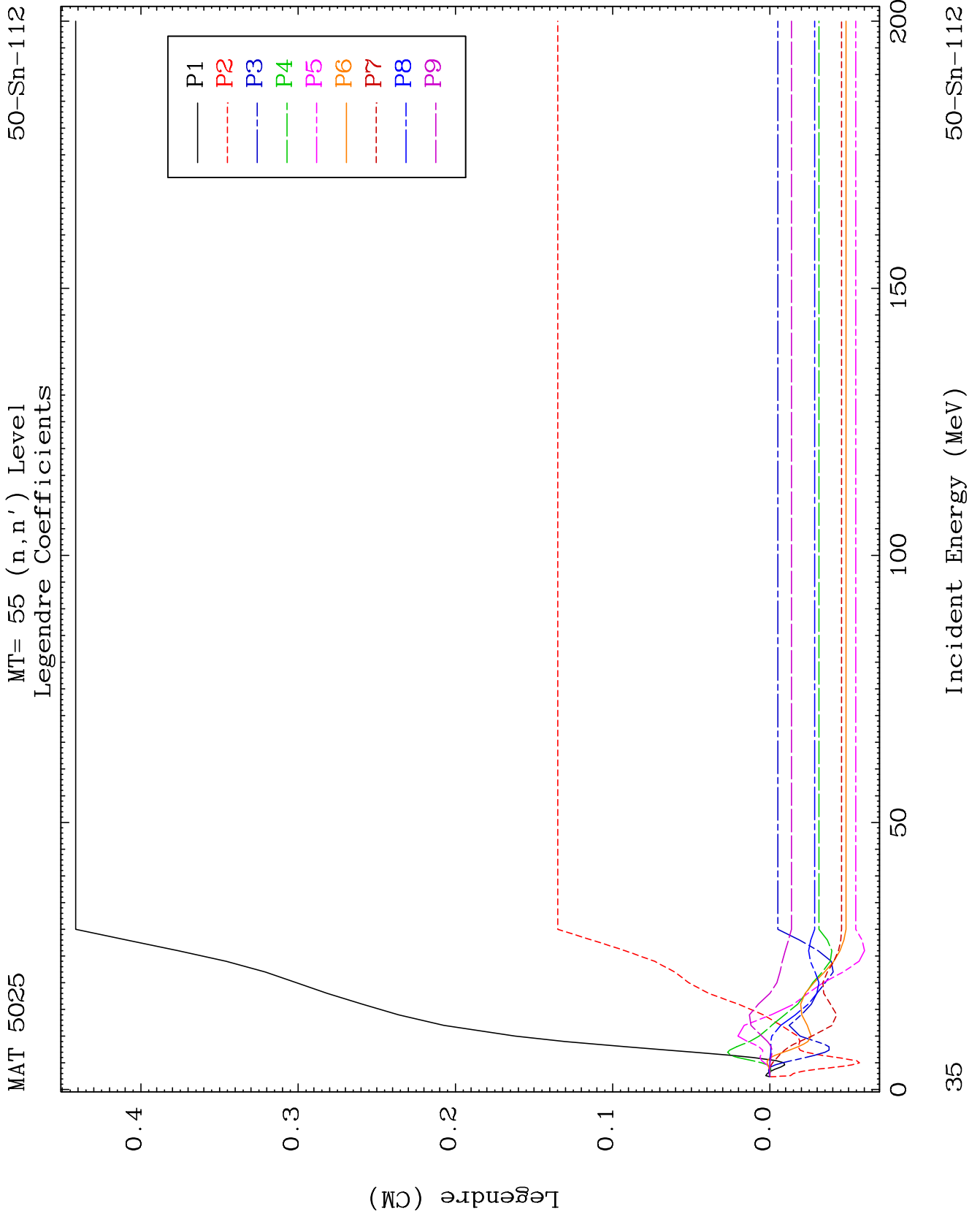
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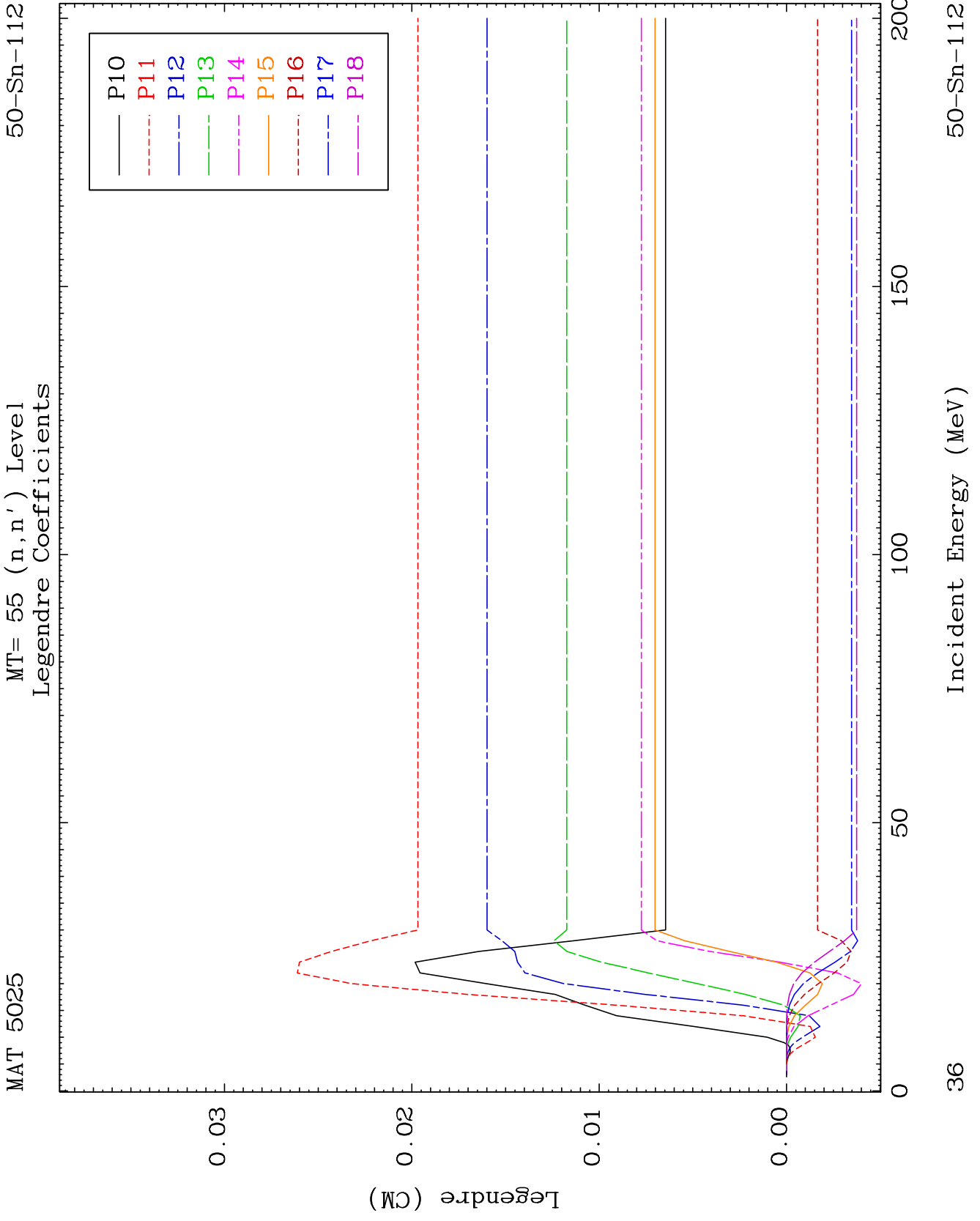


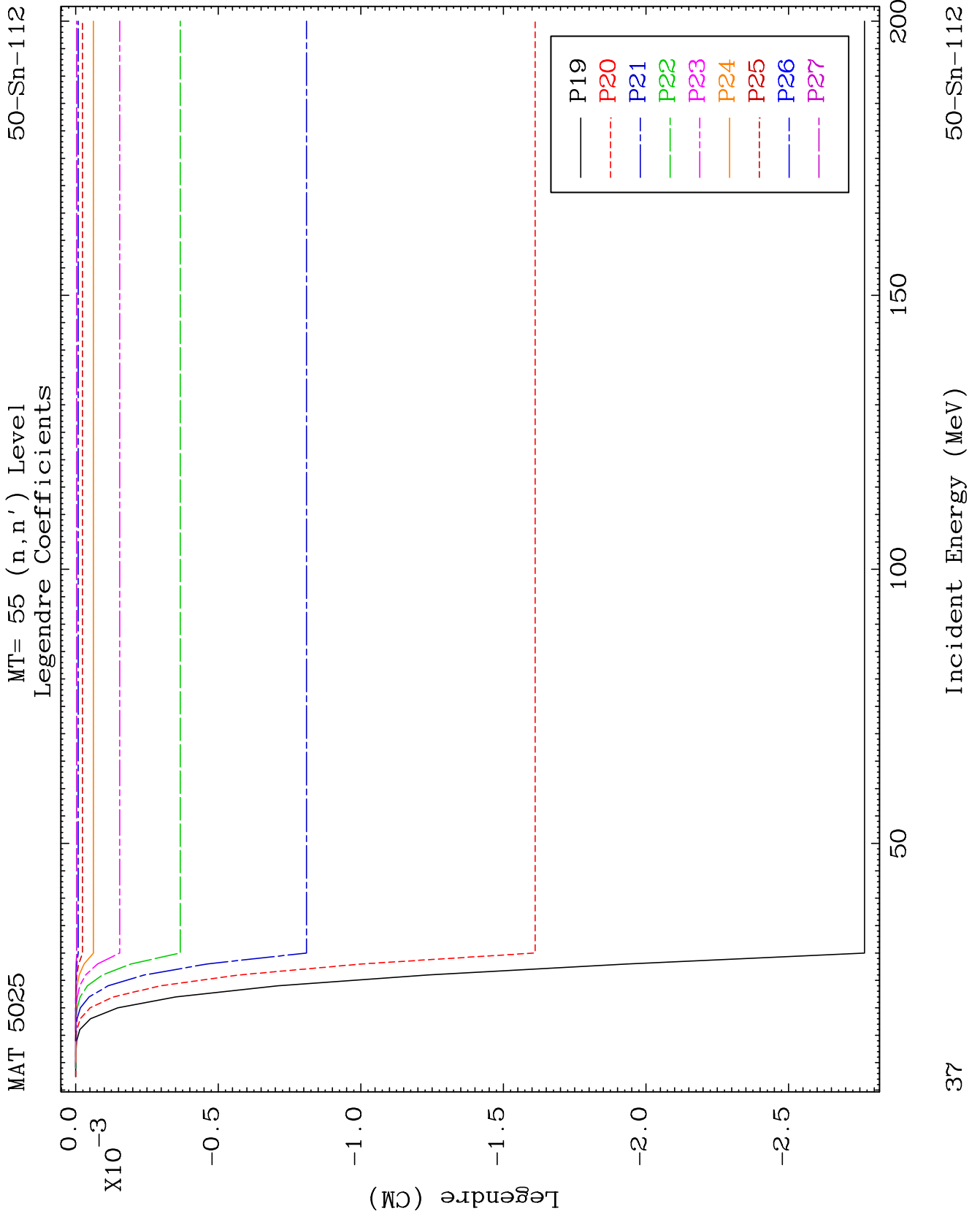
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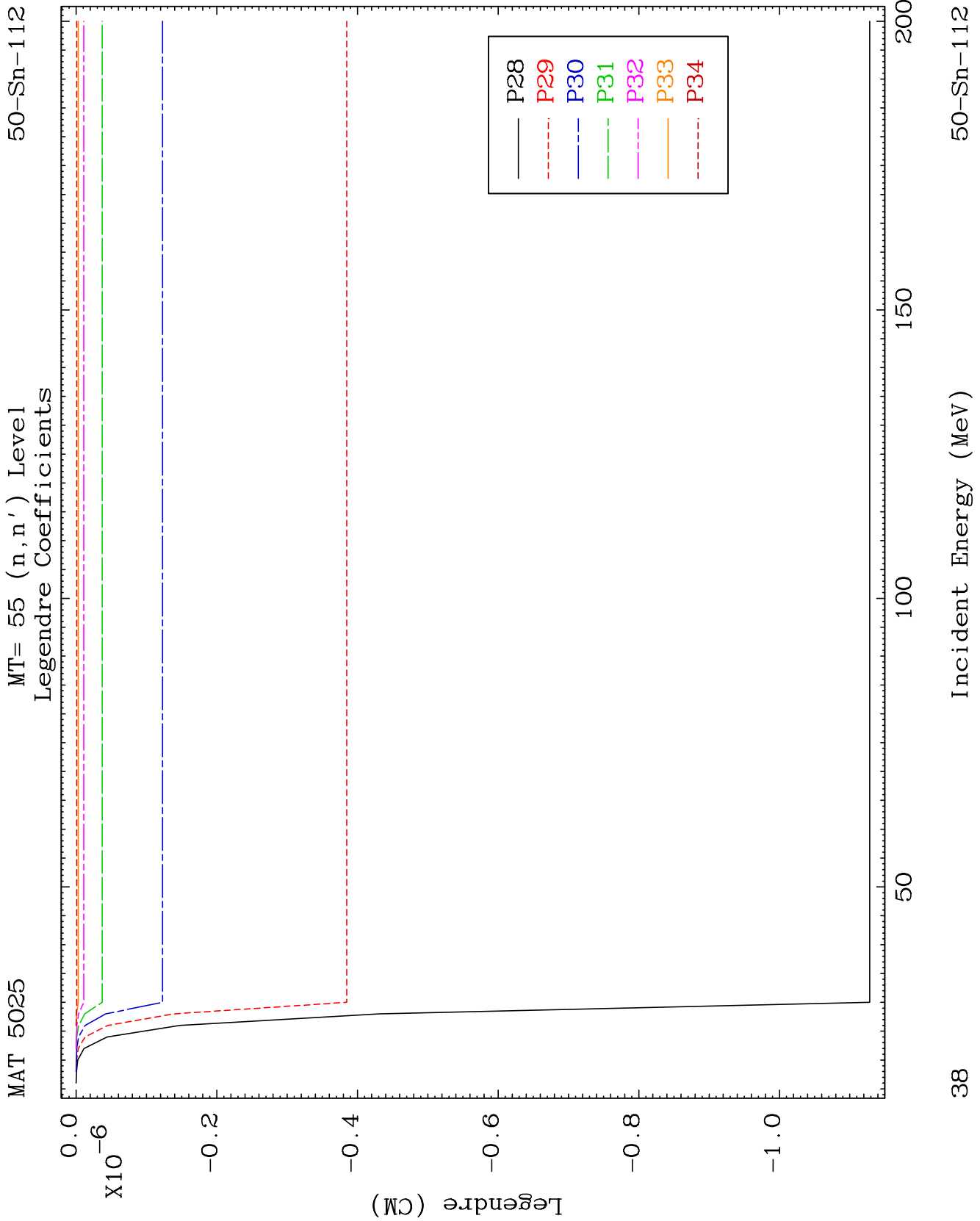
Incident Energy (MeV)

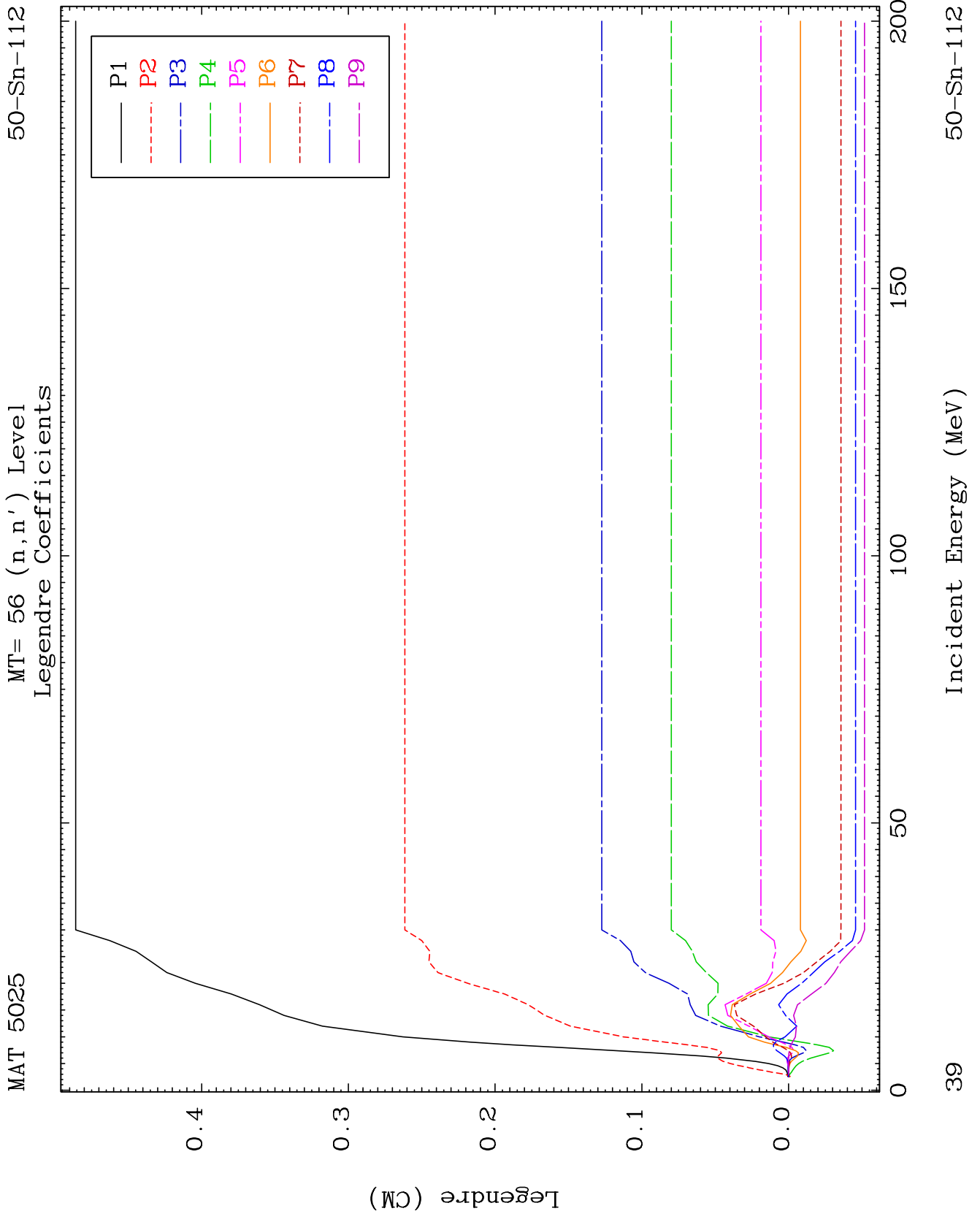
50-Sn-112

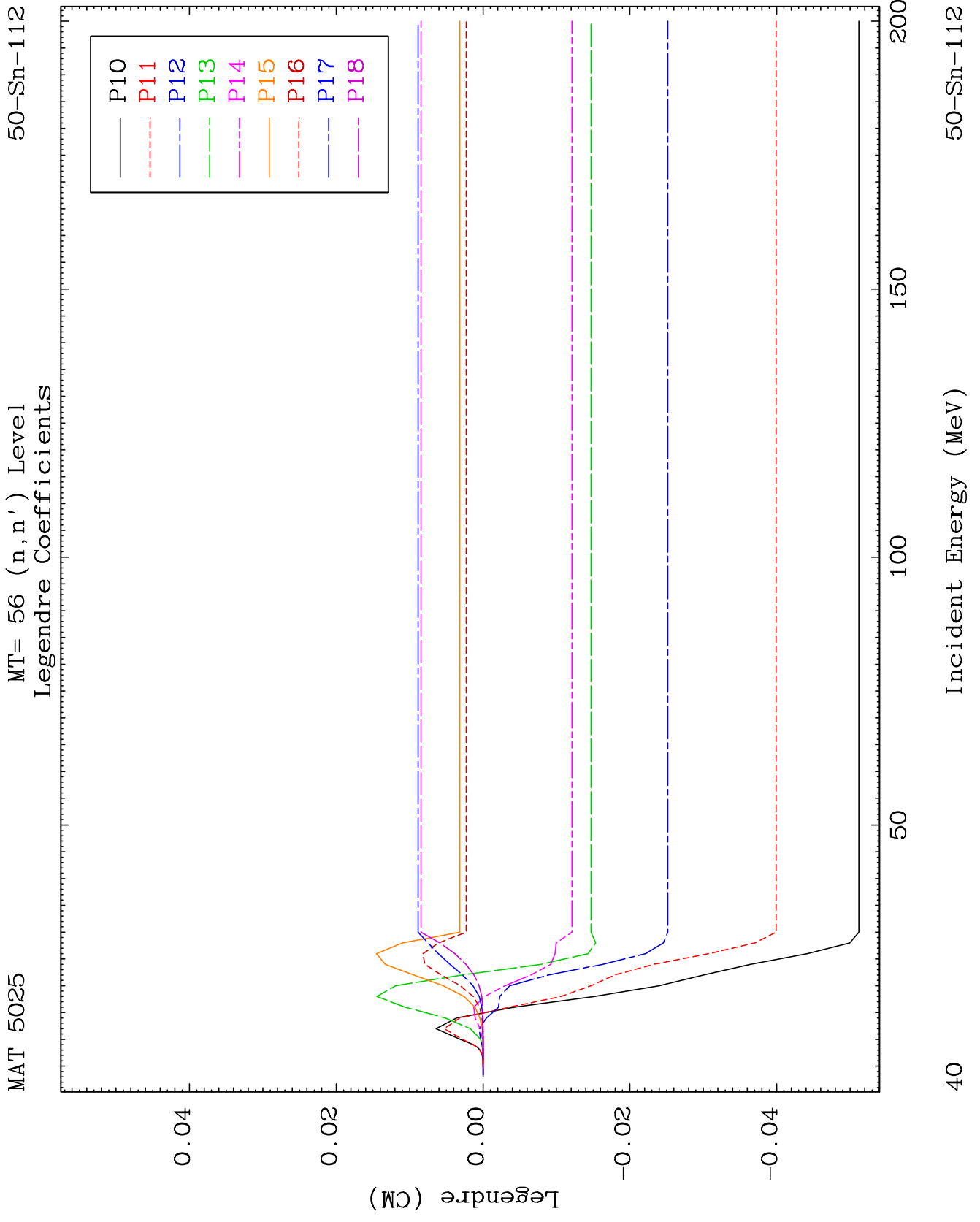


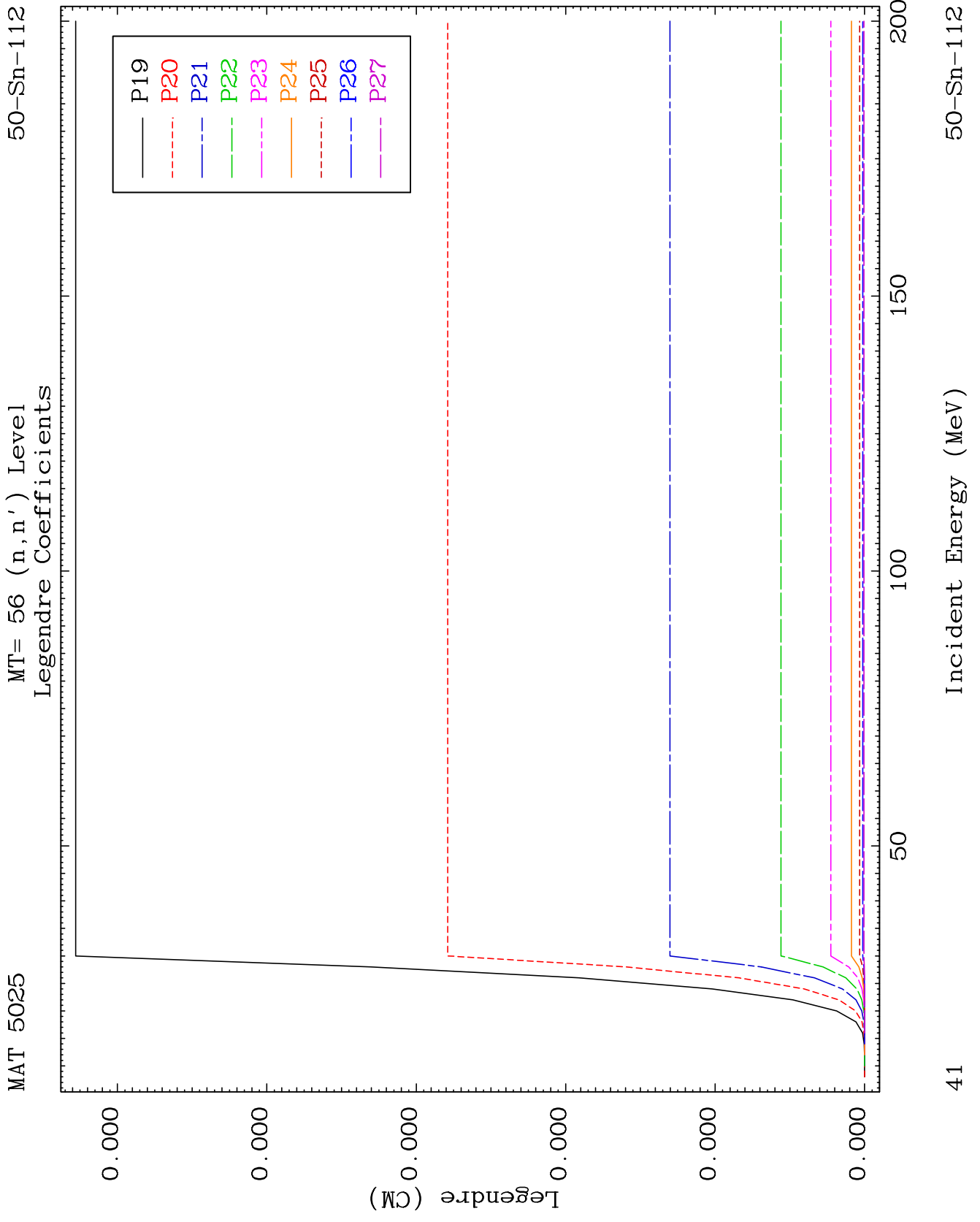








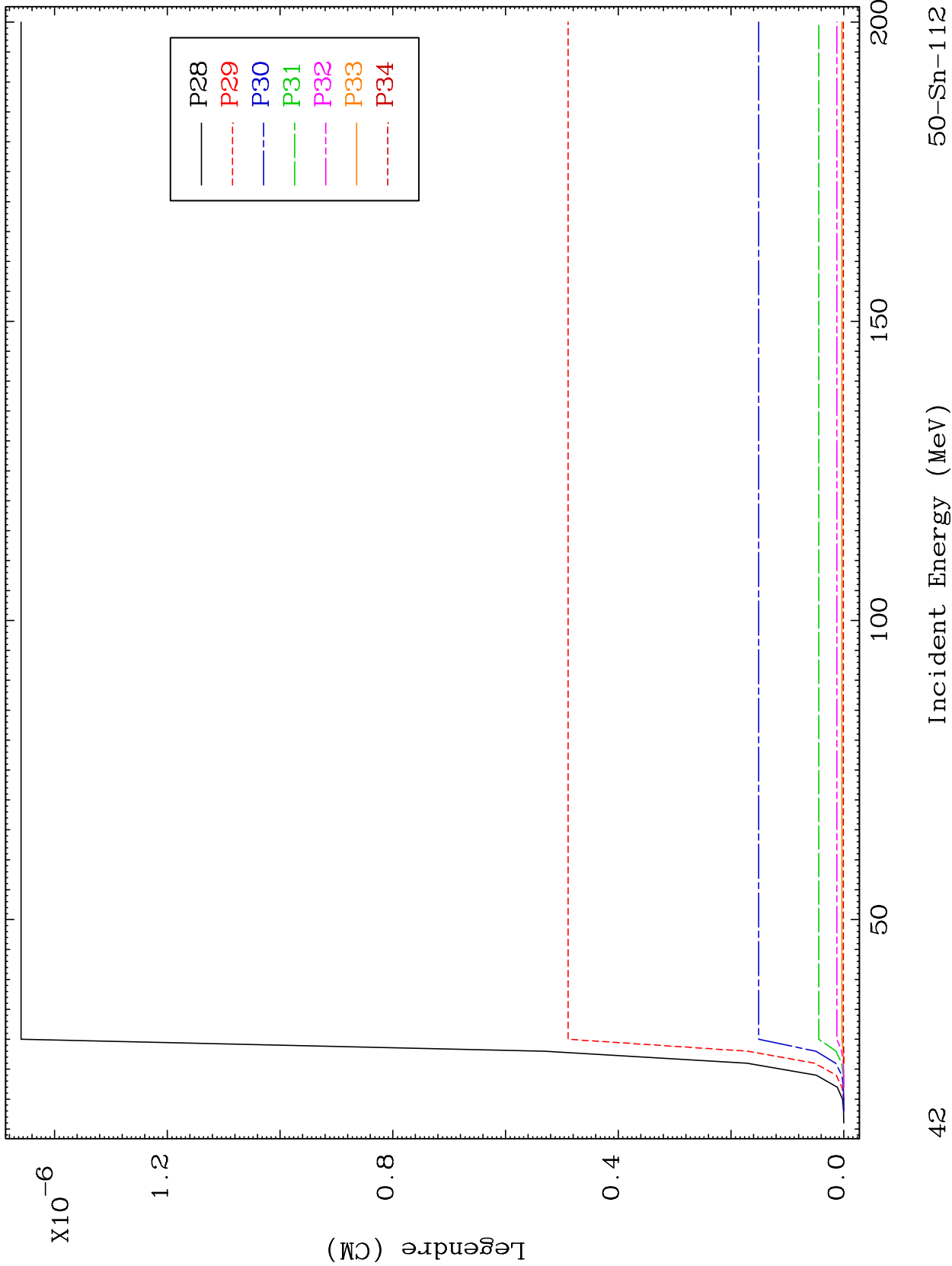




MAT 5025

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

50-Sn-112



42

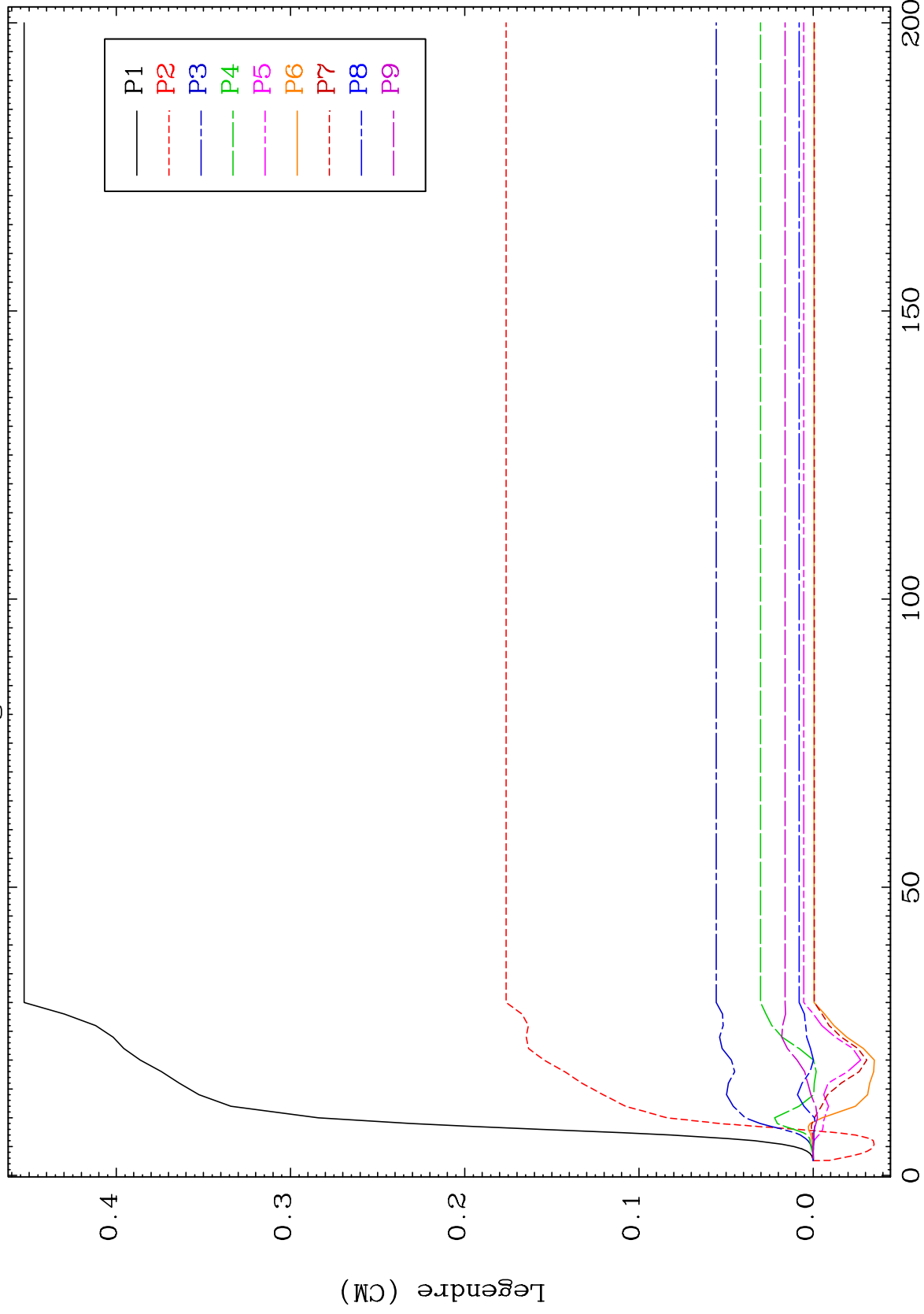
Incident Energy (MeV)

50-Sn-112

MAT 5025

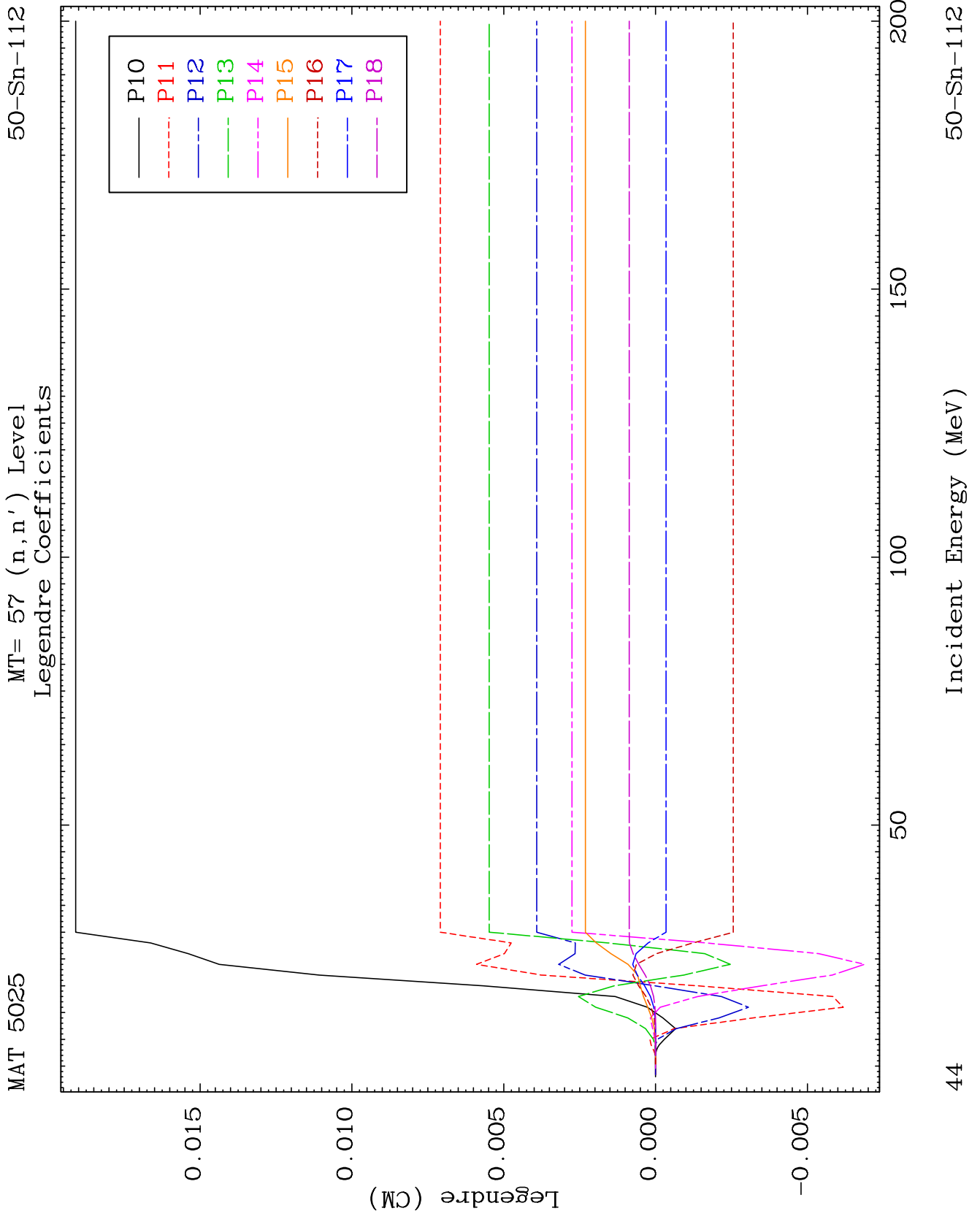
MT= 57 (n,n') Level
Legendre Coefficients

50-Sn-112



43

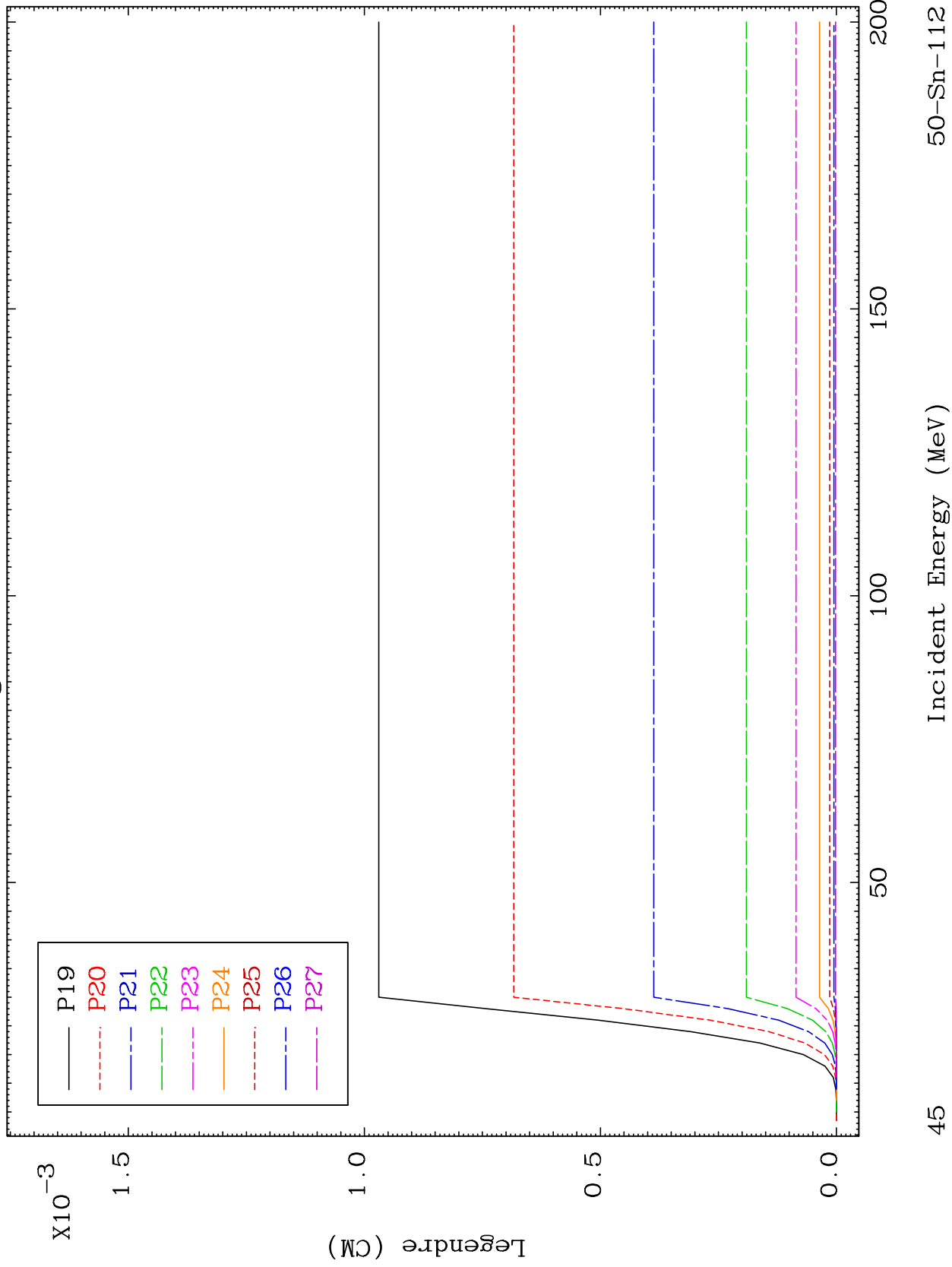
50-Sn-112



MAT 5025

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

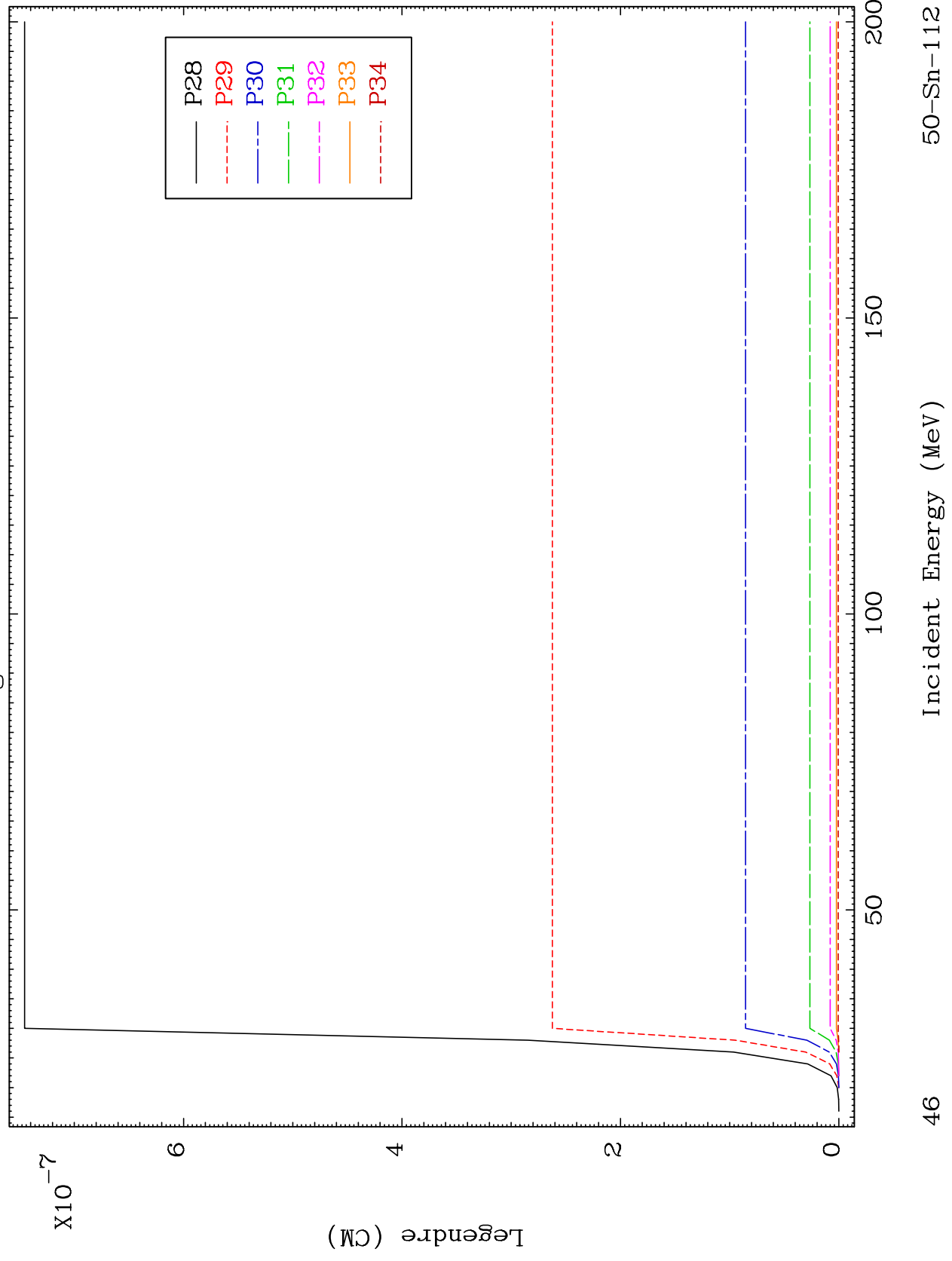
50-Sn-112



MAT 5025

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

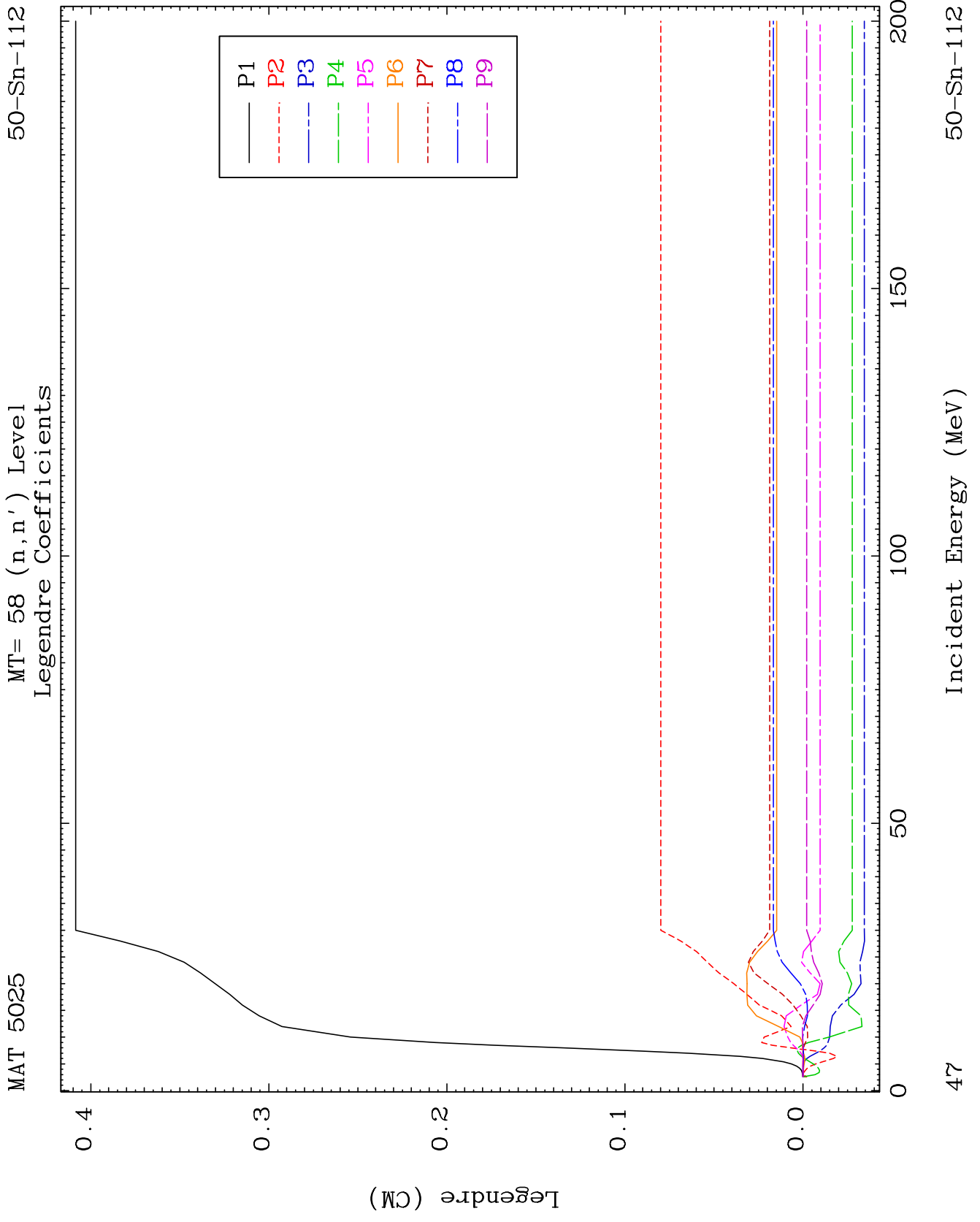
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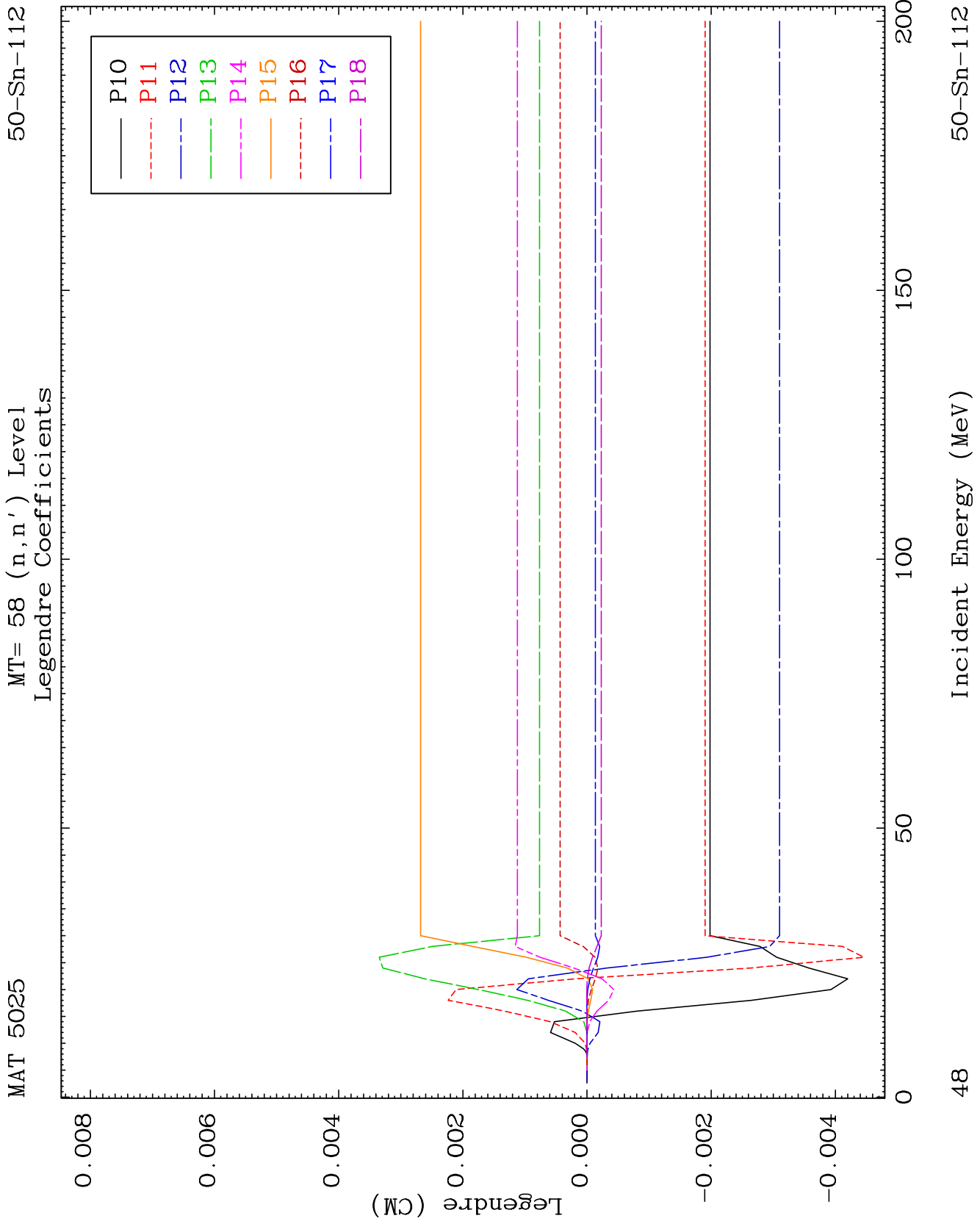


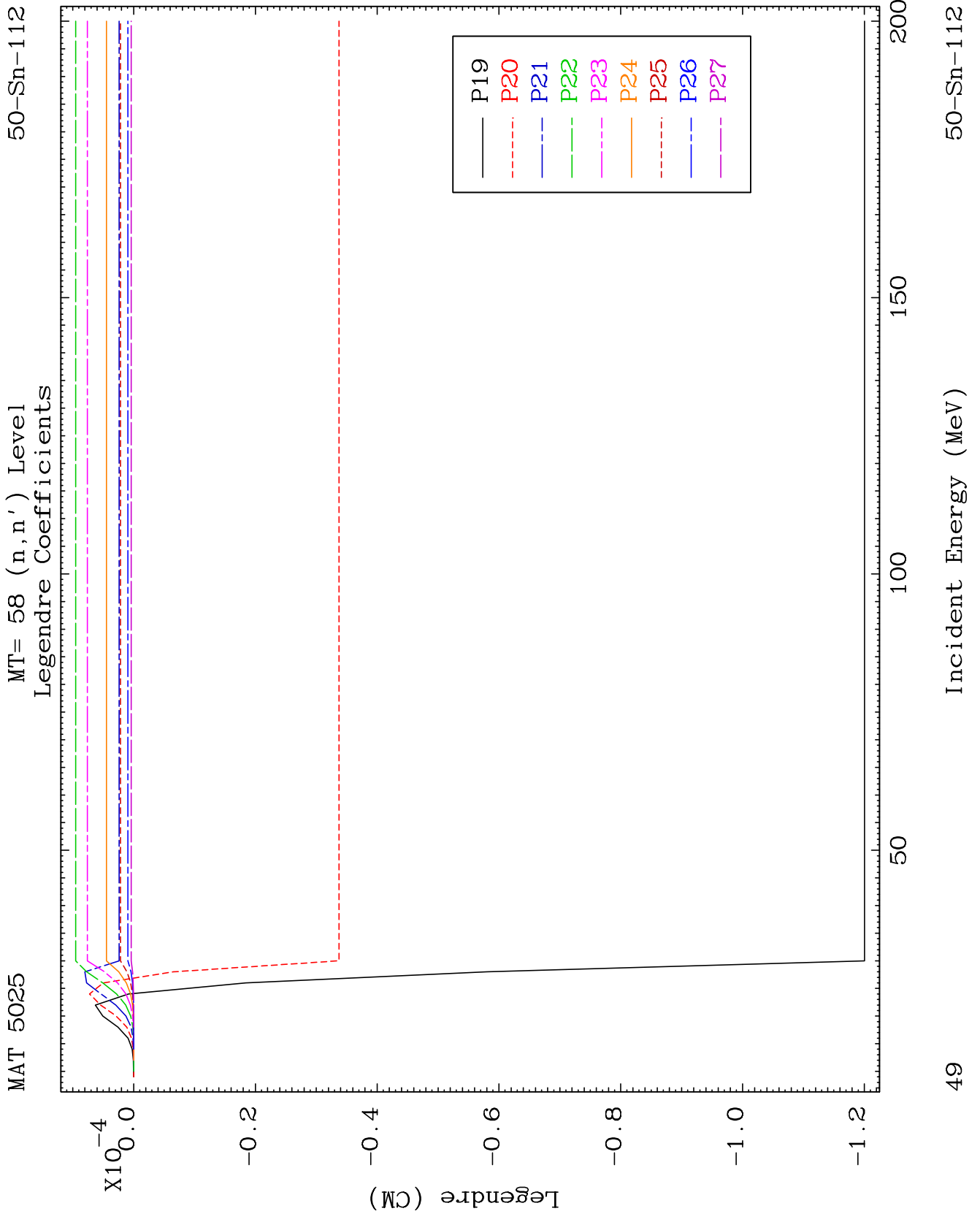
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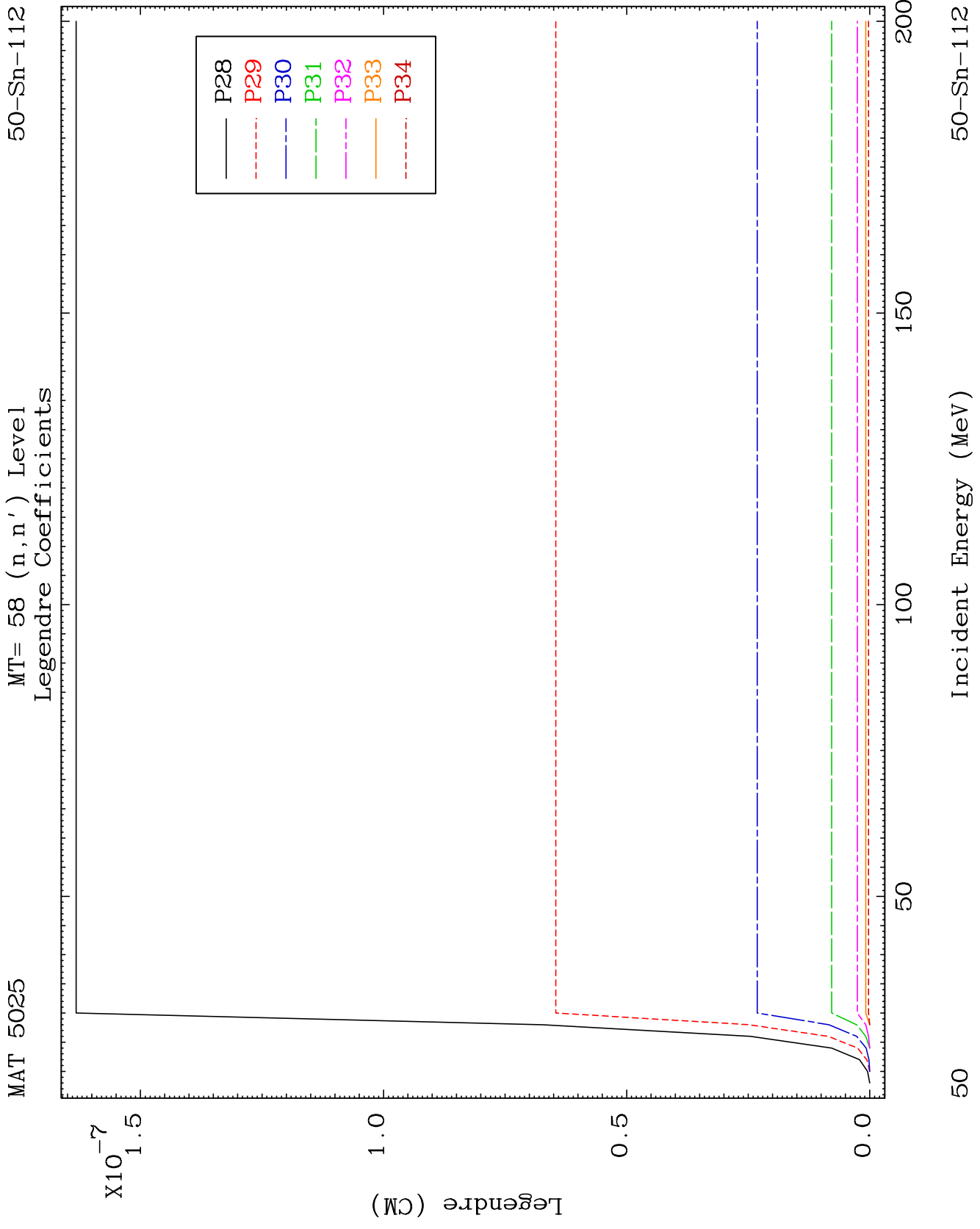
Incident Energy (MeV)

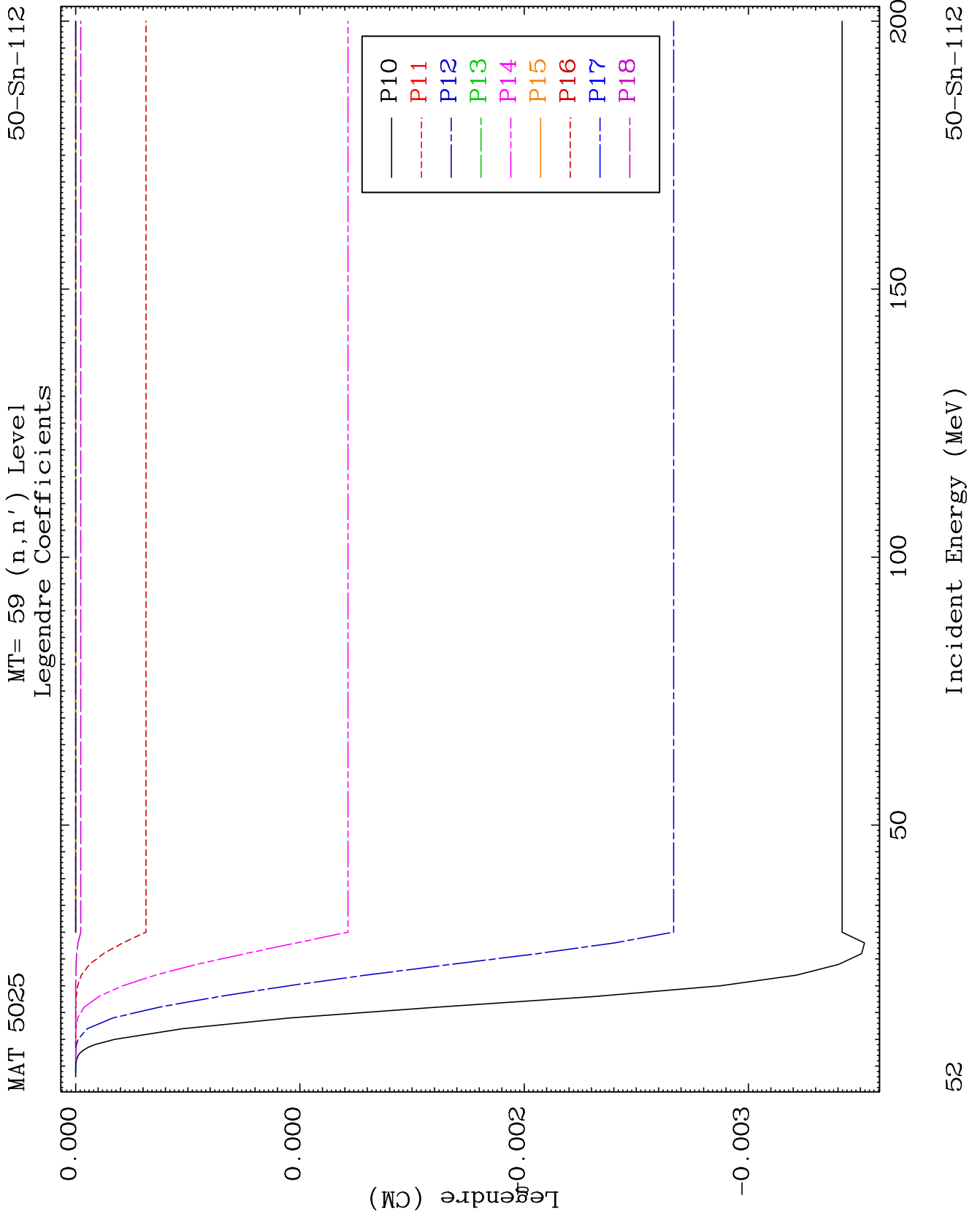
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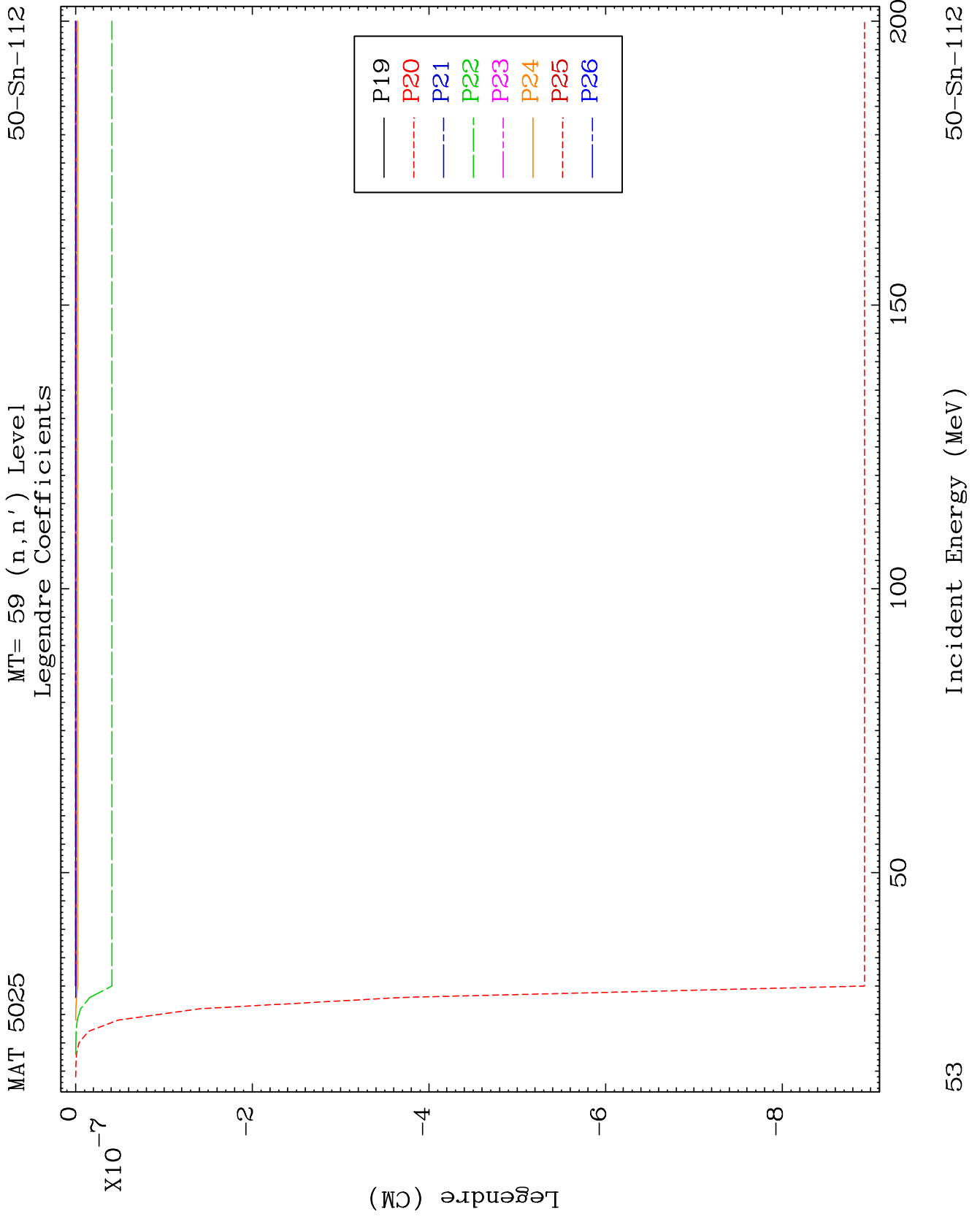


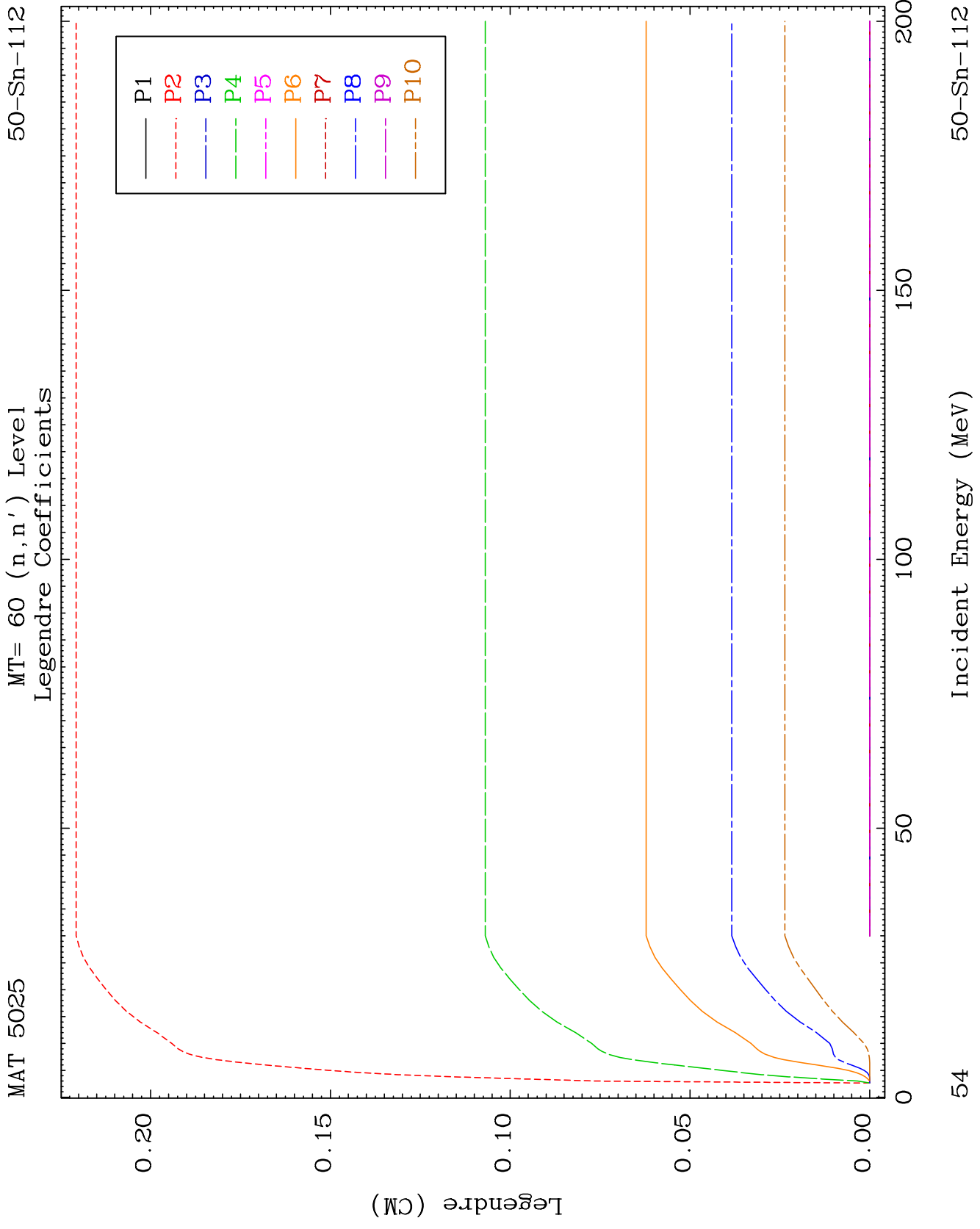


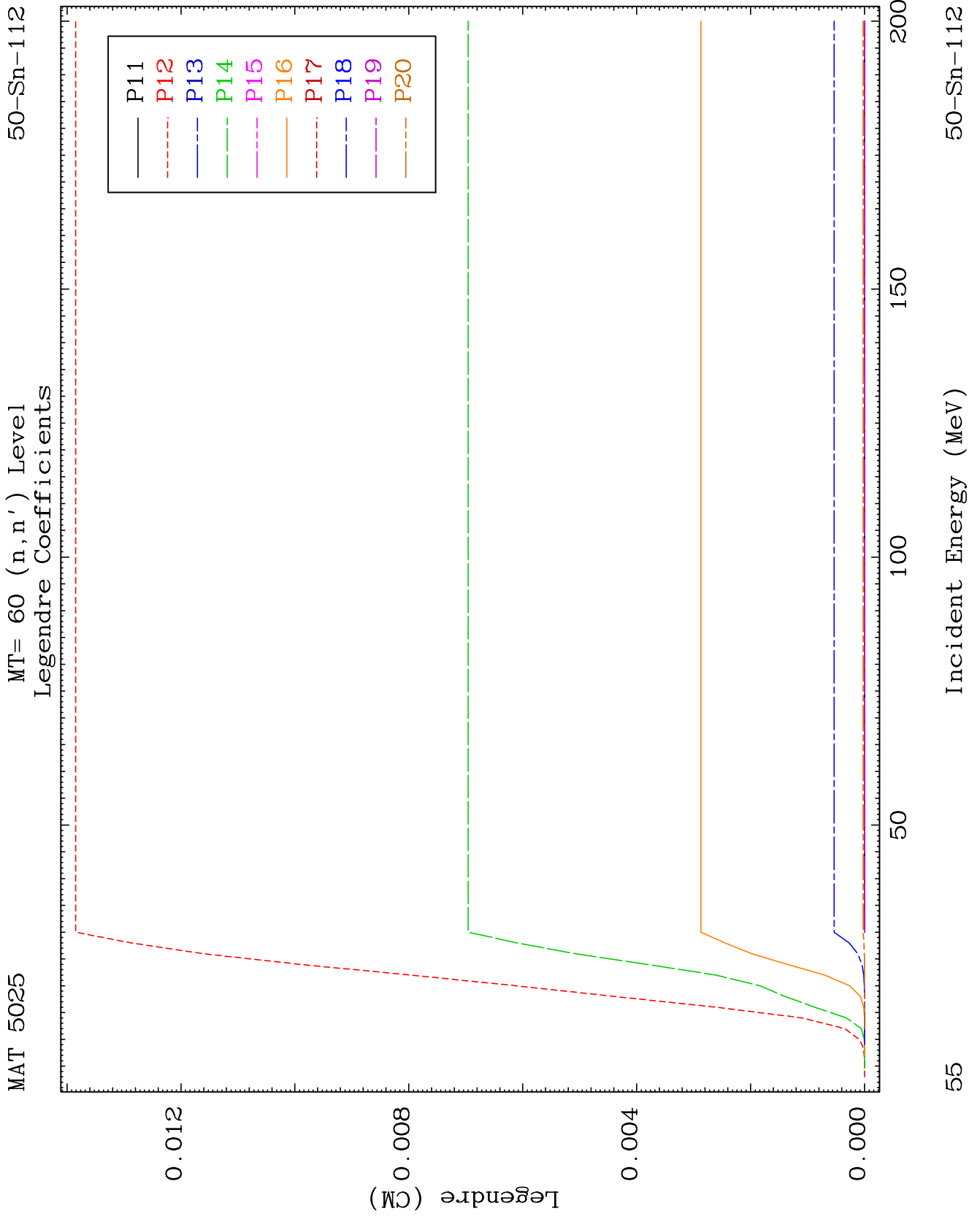


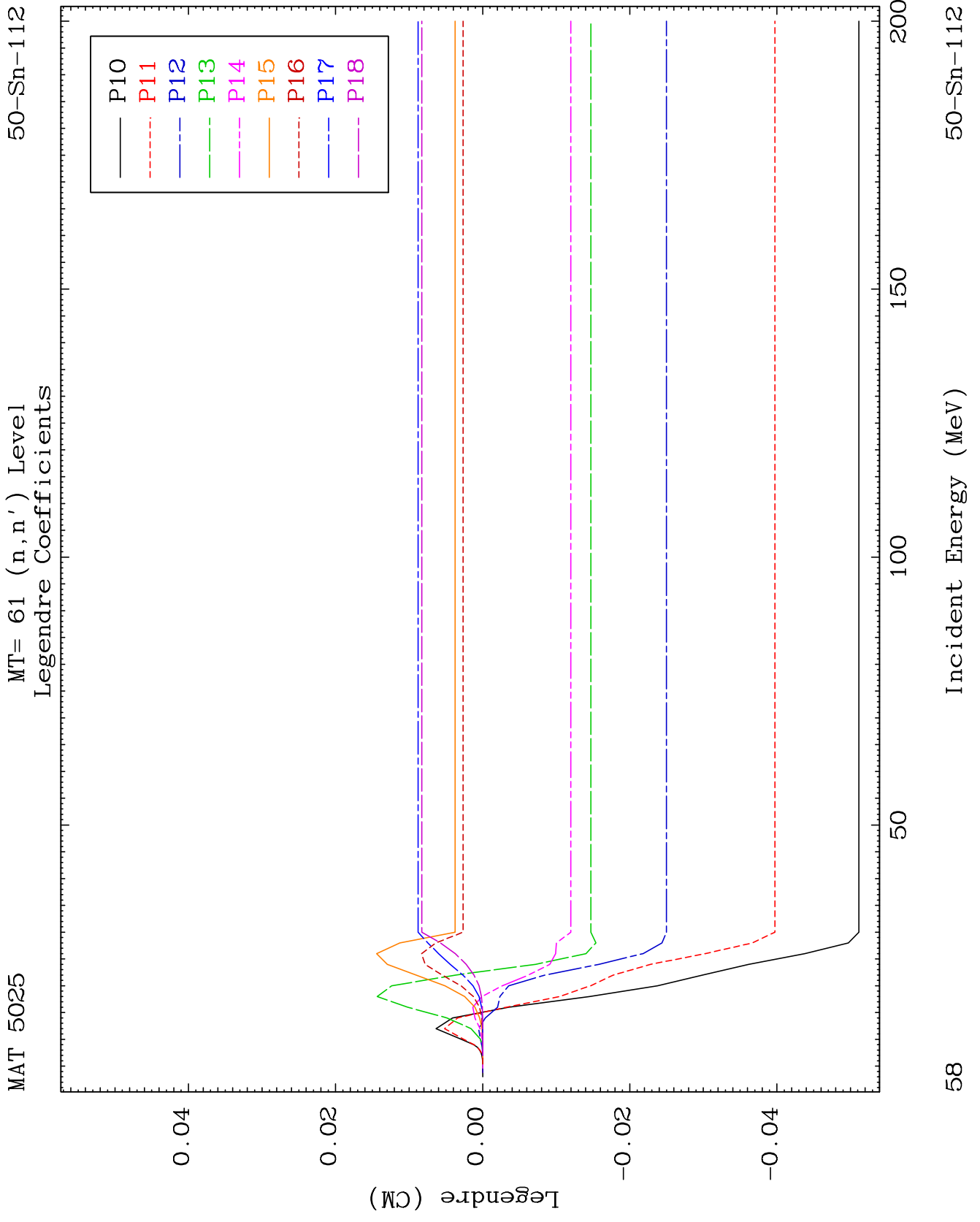


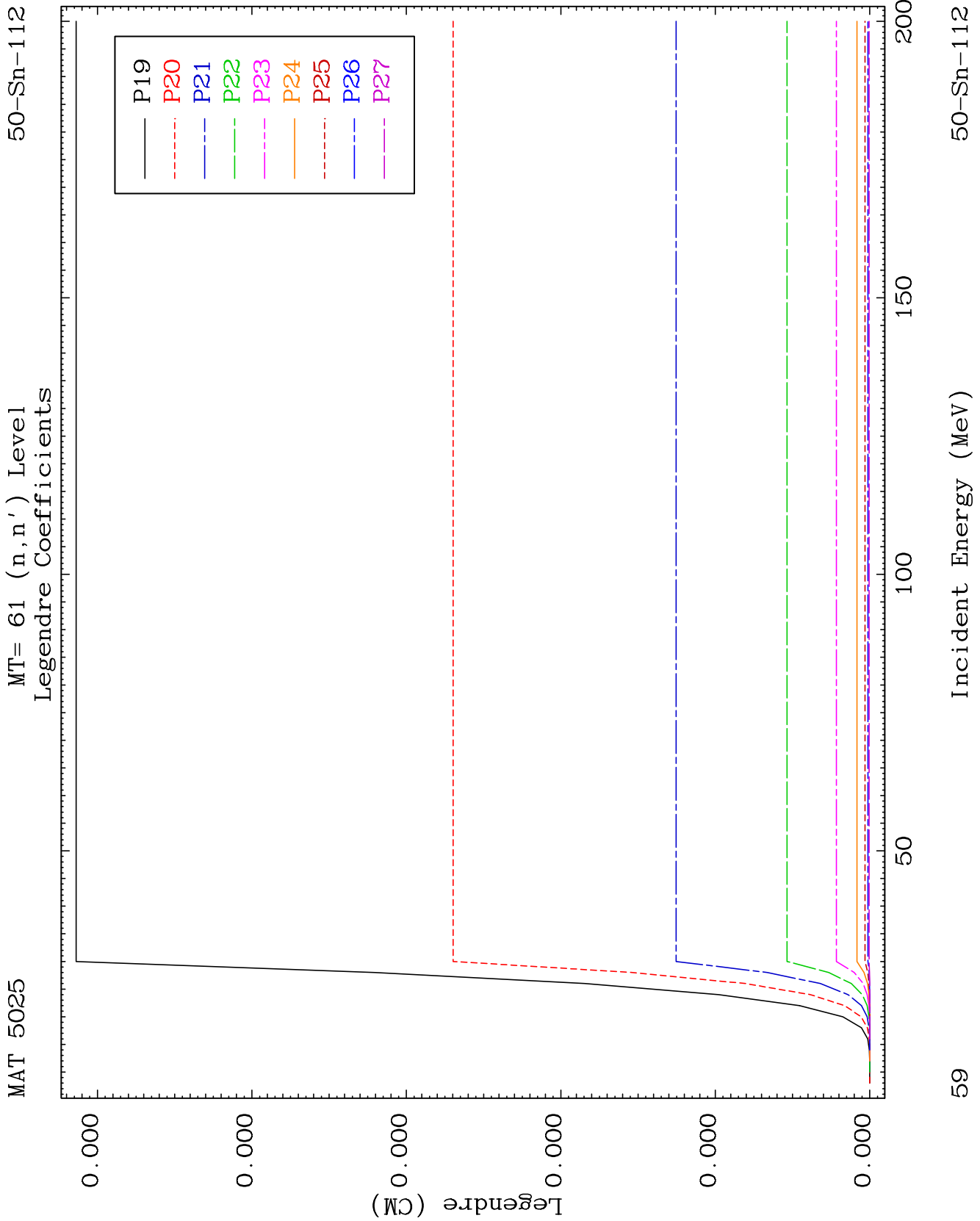


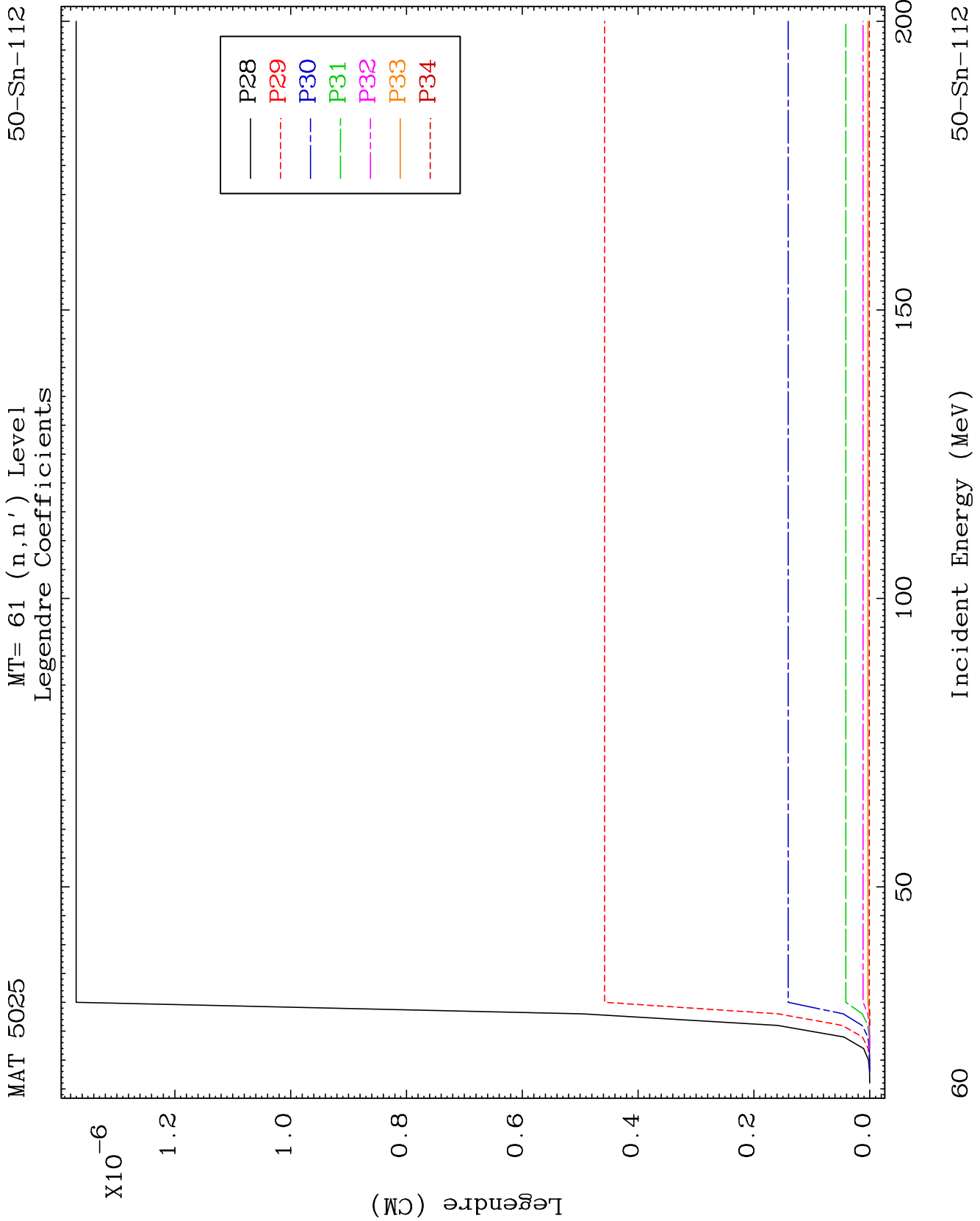


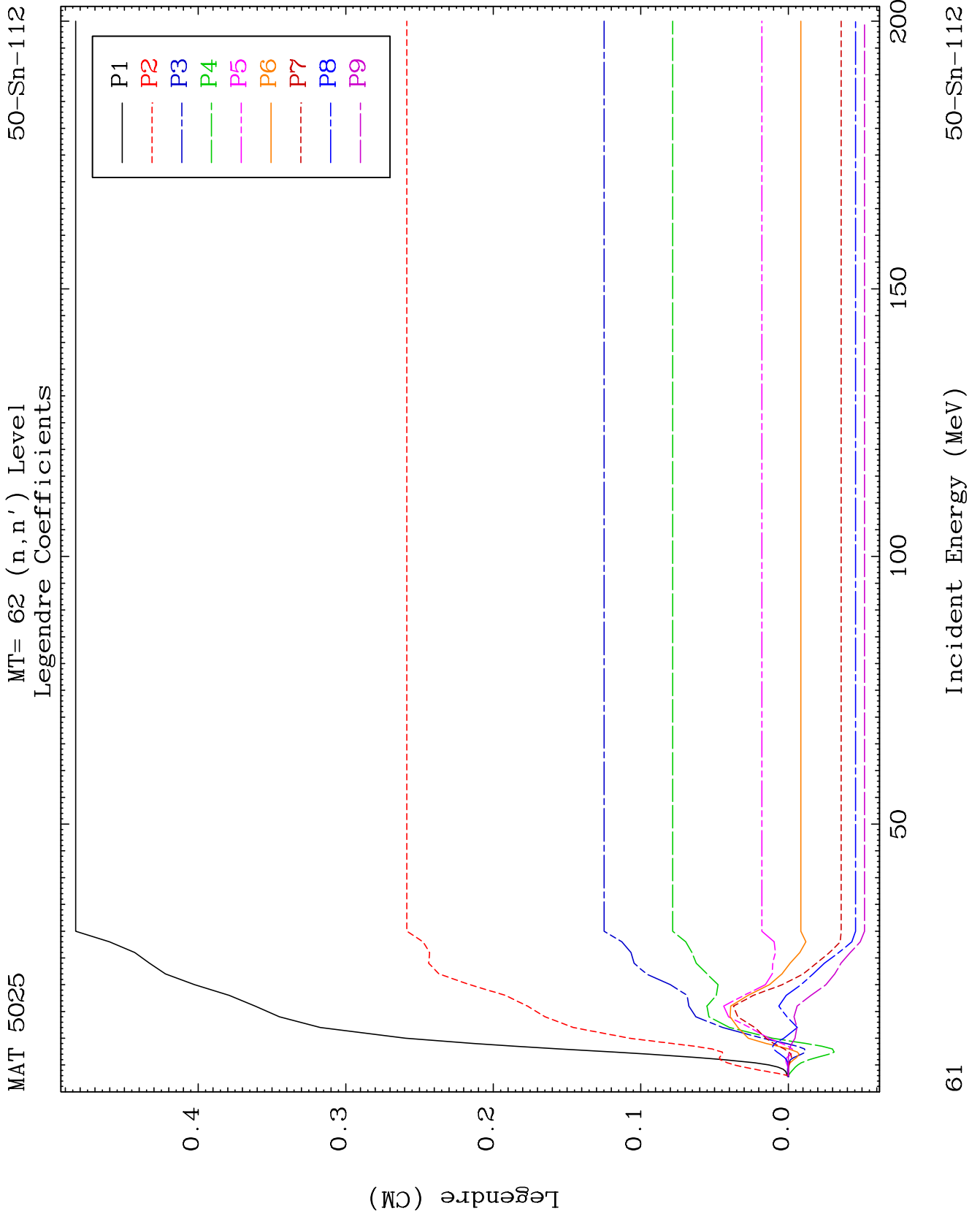


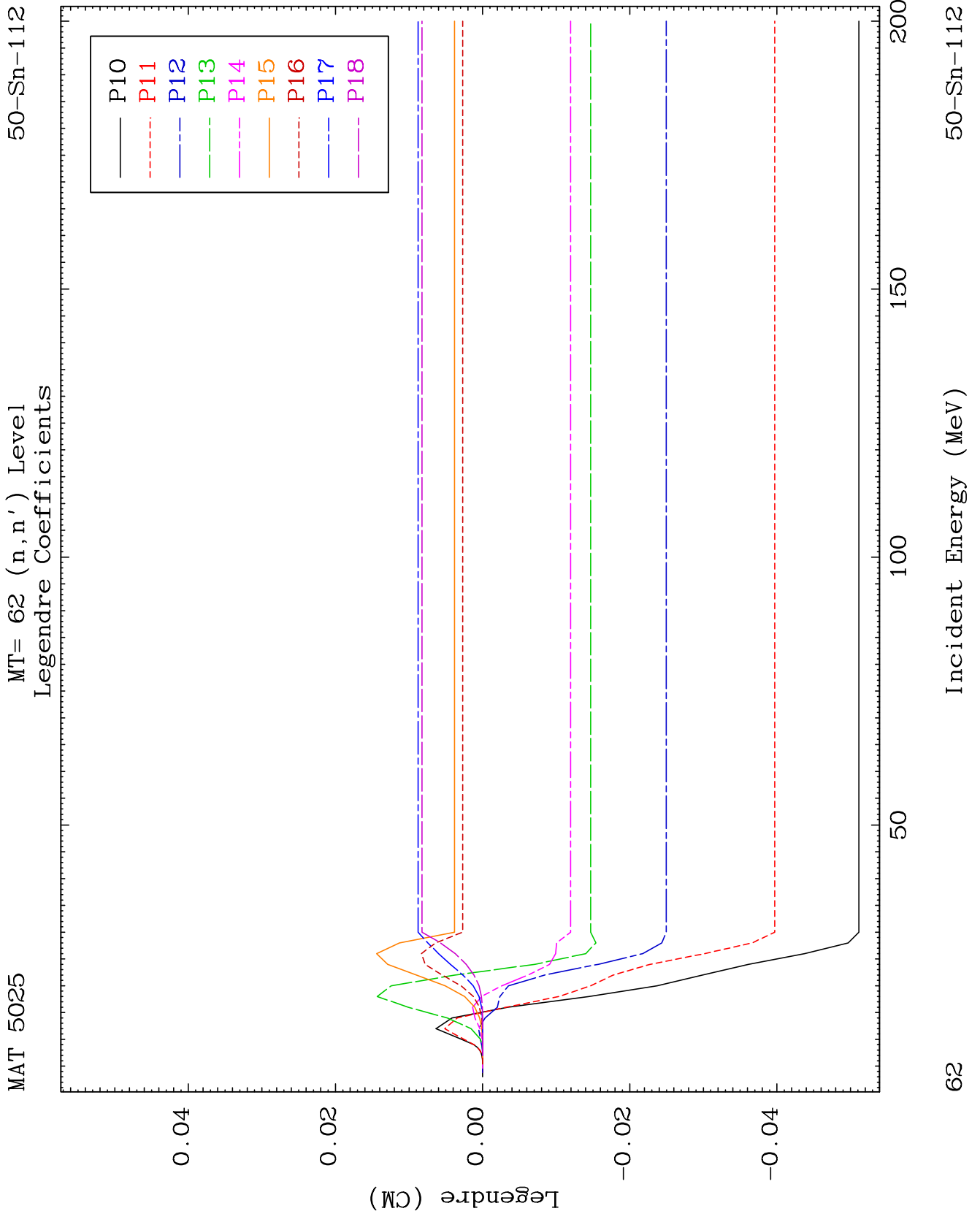


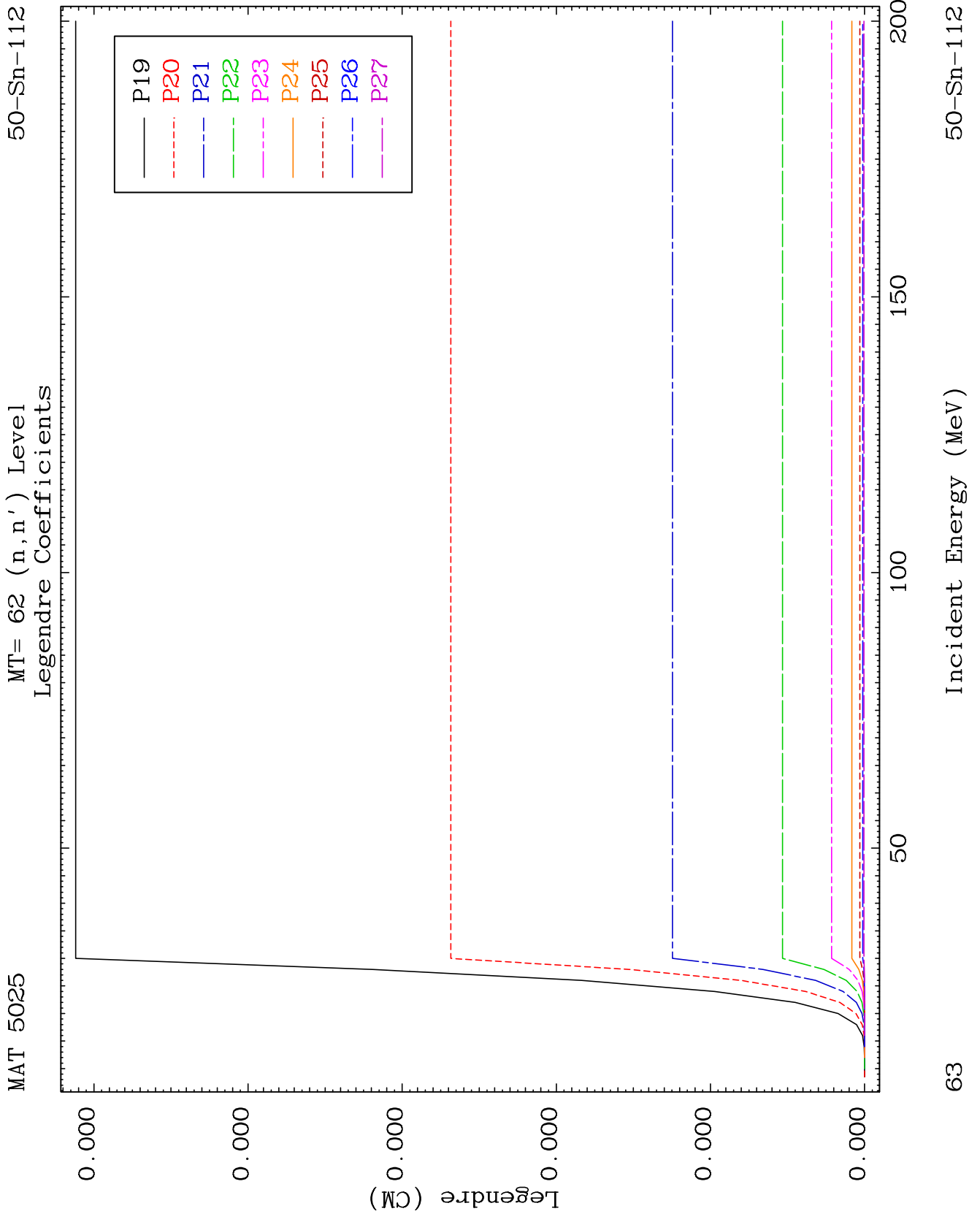


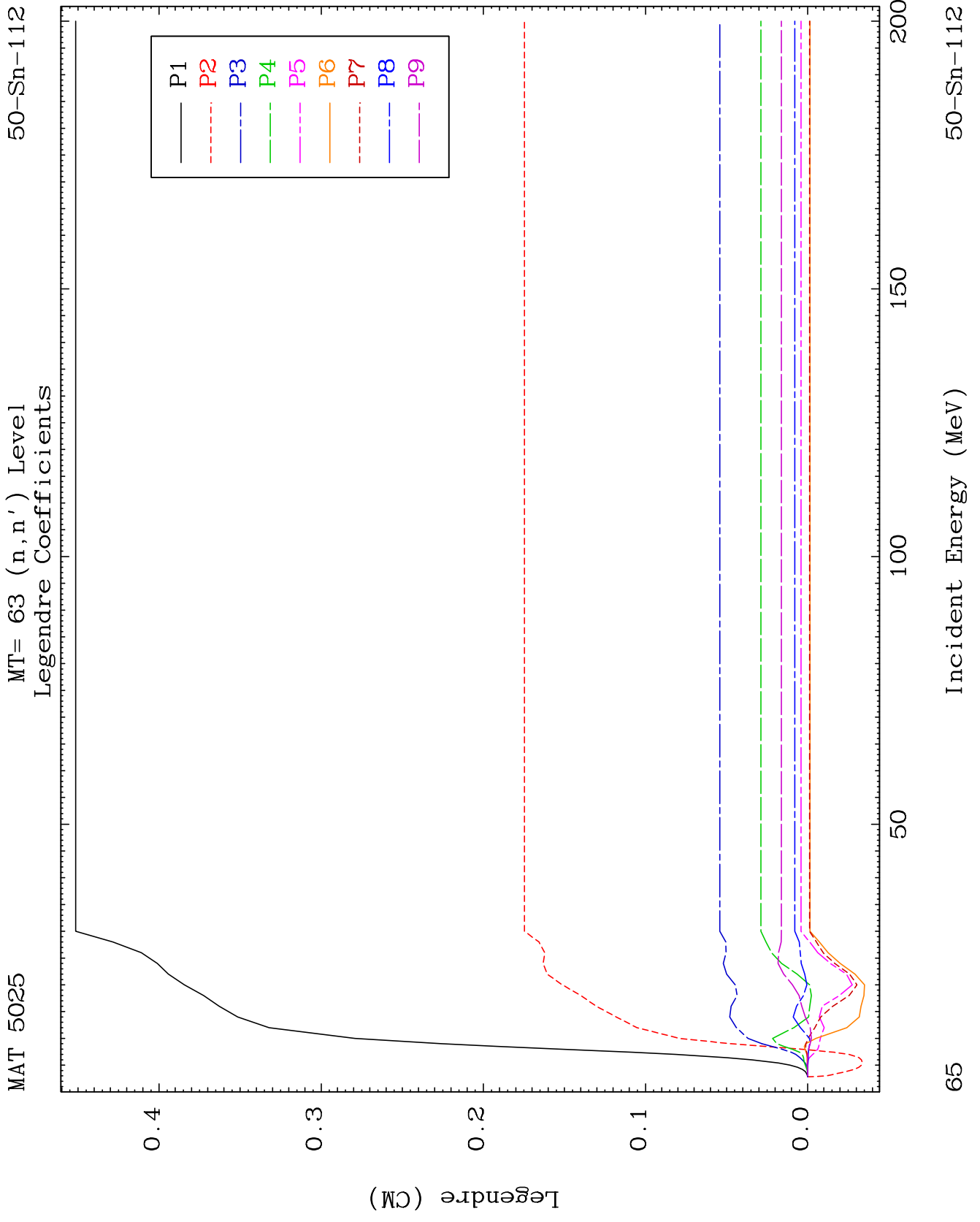








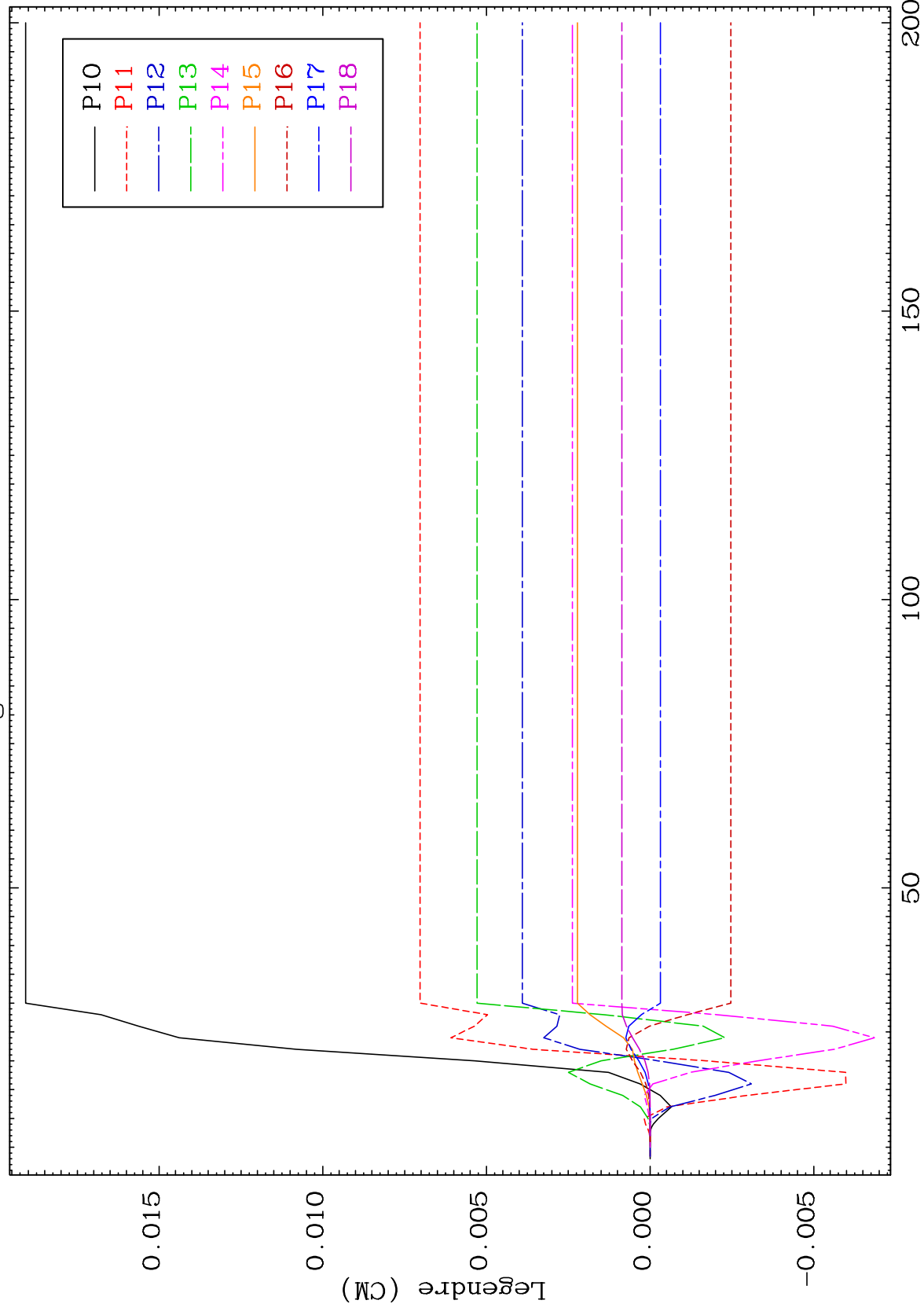




MAT 5025

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

50-Sn-112



66

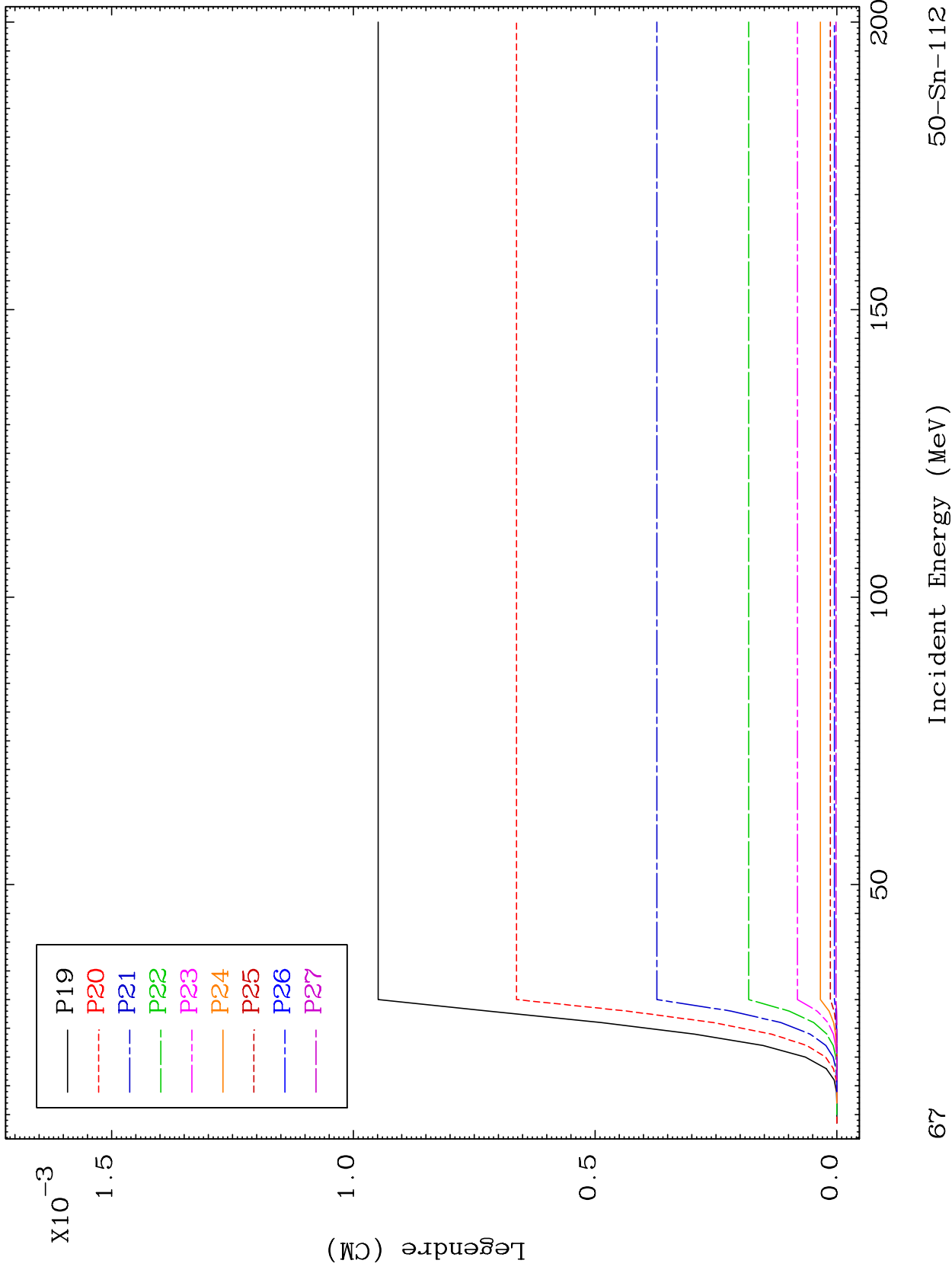
Incident Energy (MeV)

50-Sn-112

MAT 5025

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

50-Sn-112



67

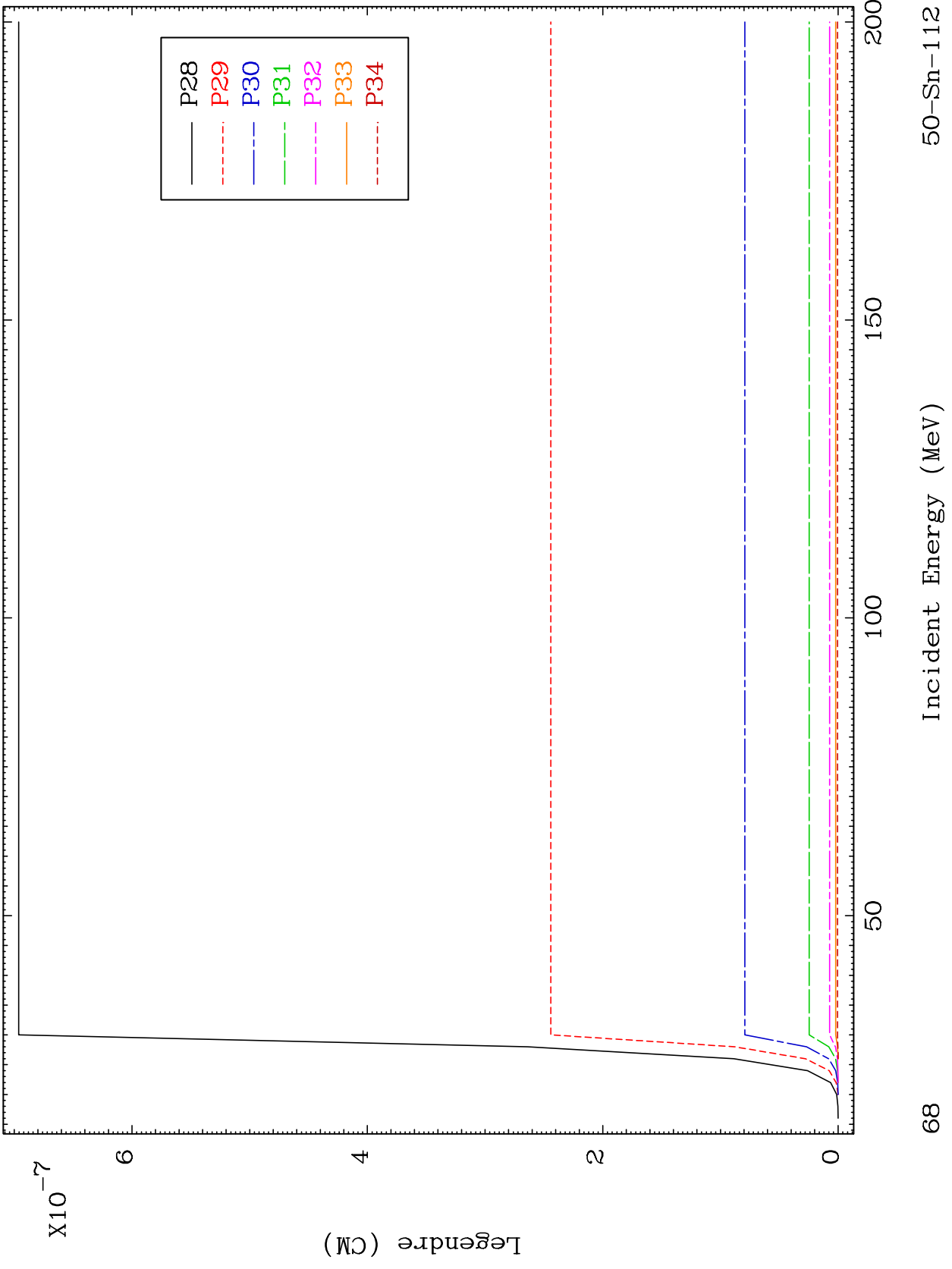
Incident Energy (MeV)

50-Sn-112

MAT 5025

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

50-Sn-112



68

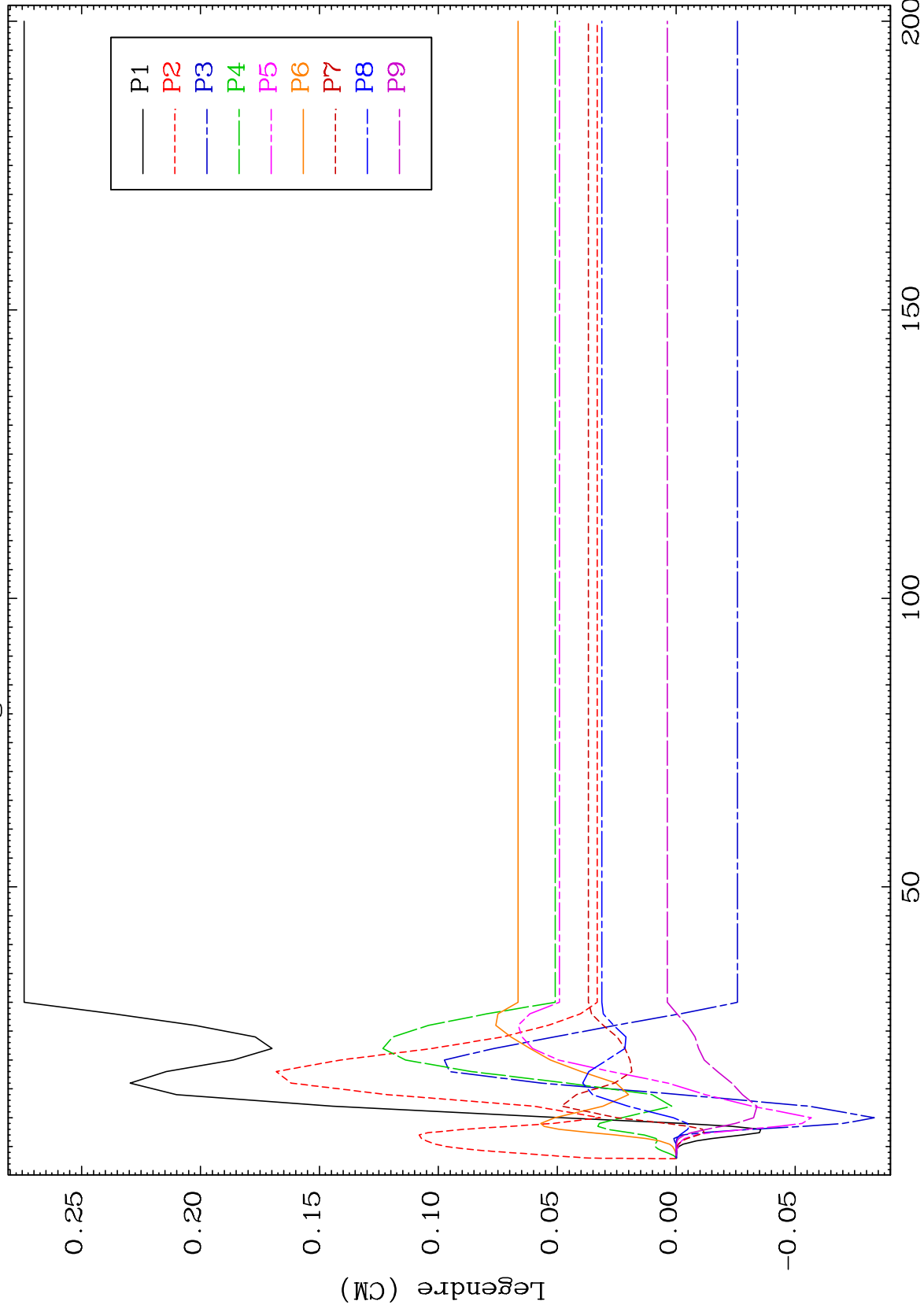
Incident Energy (MeV)

50-Sn-112

MAT 5025

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

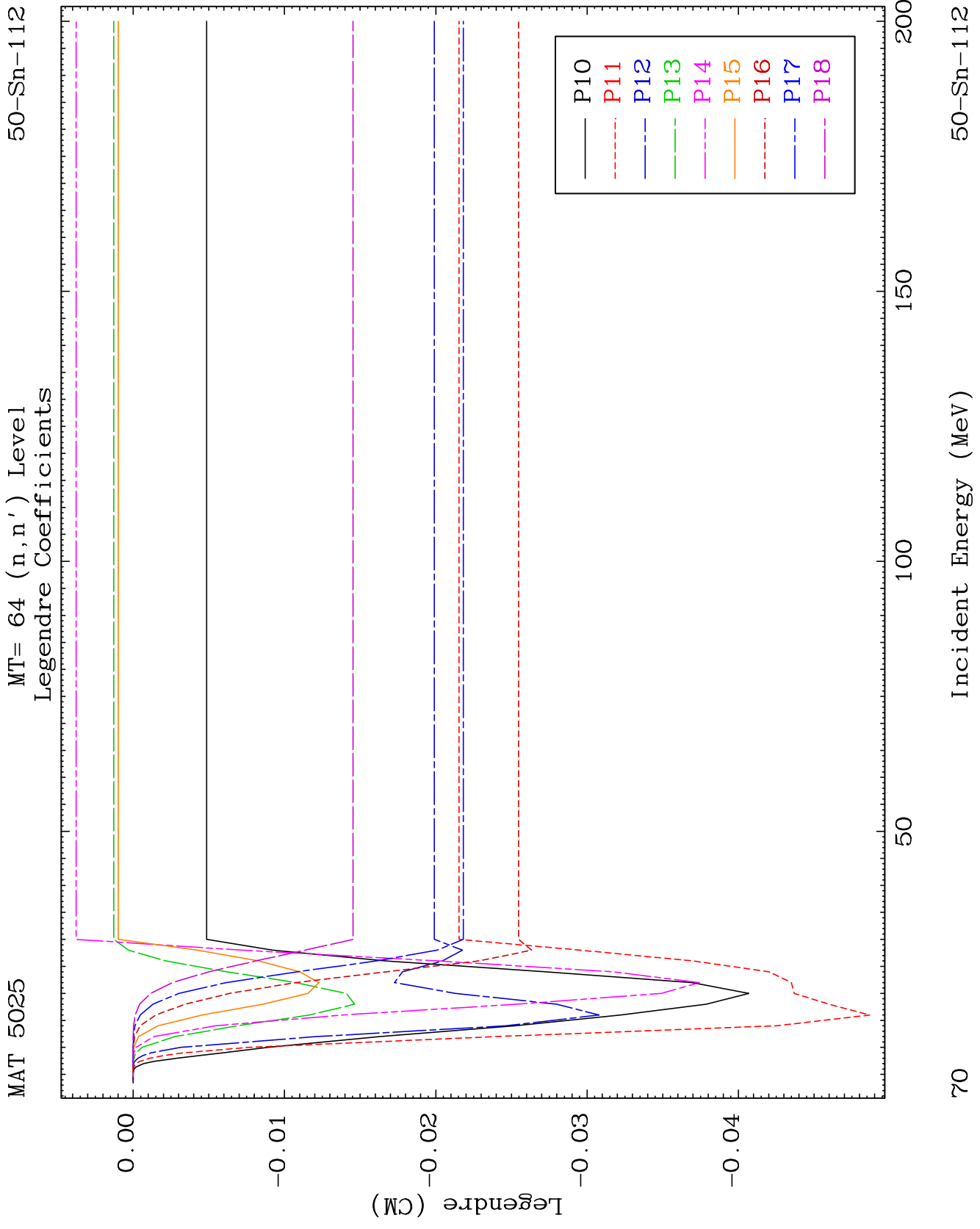
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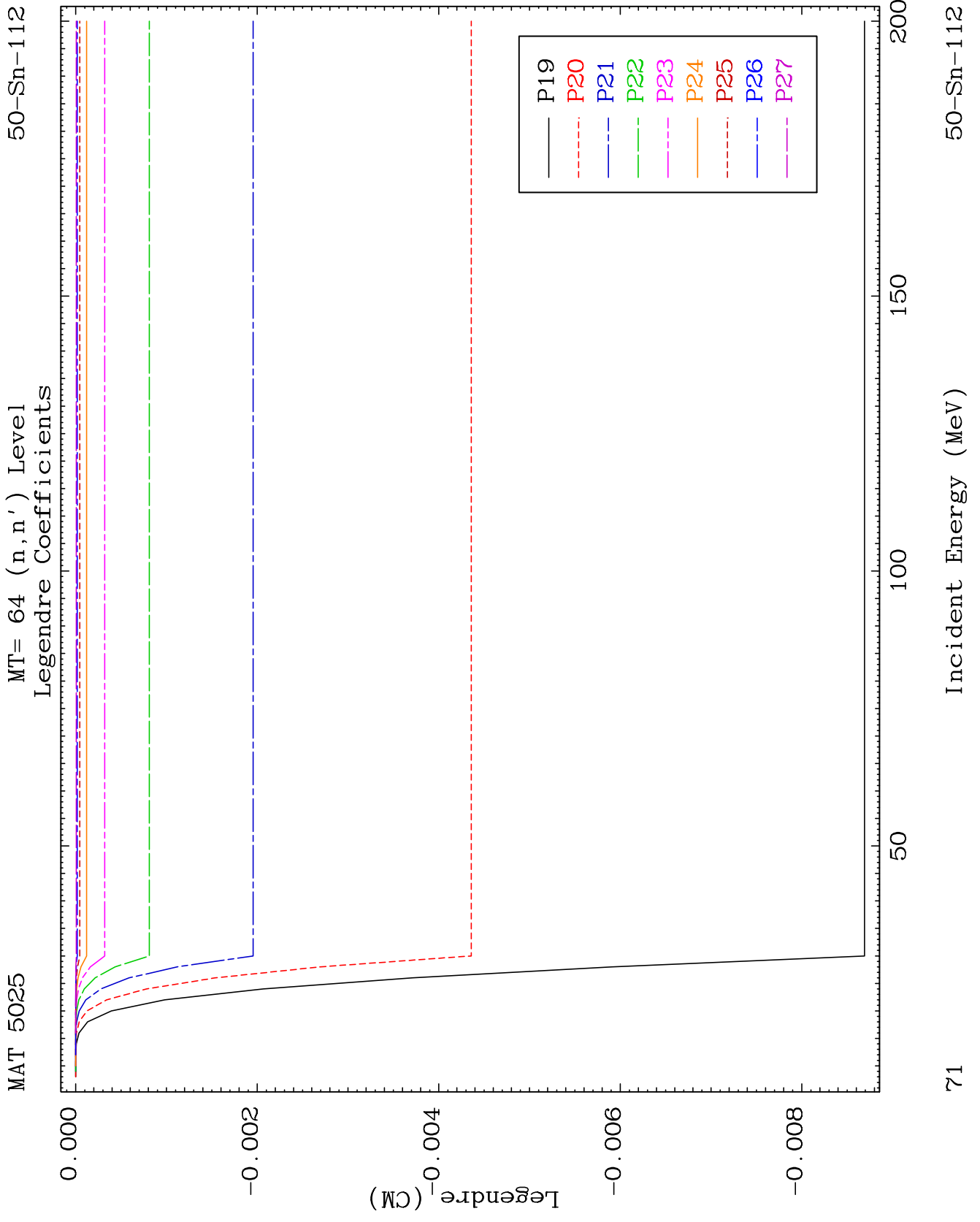


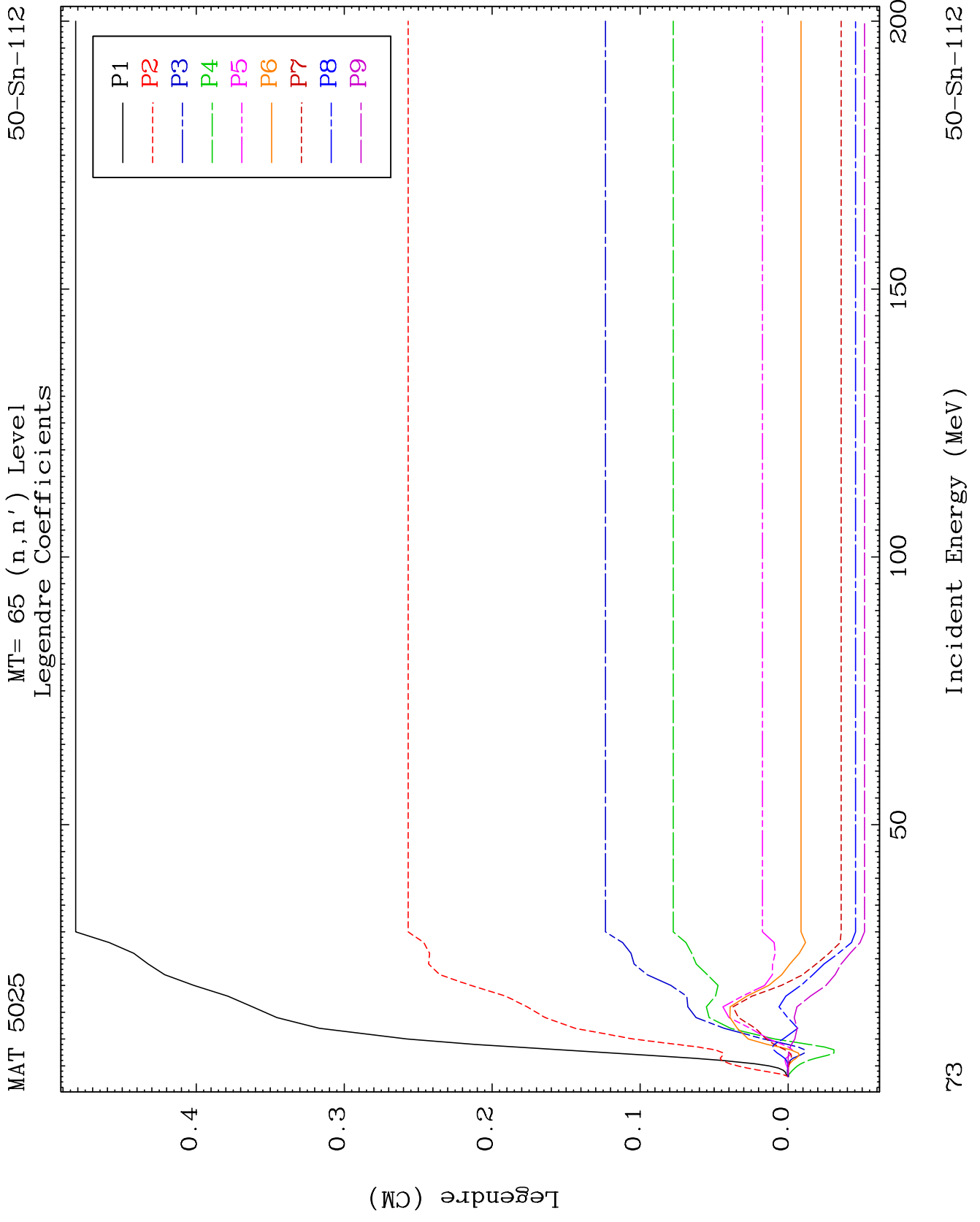
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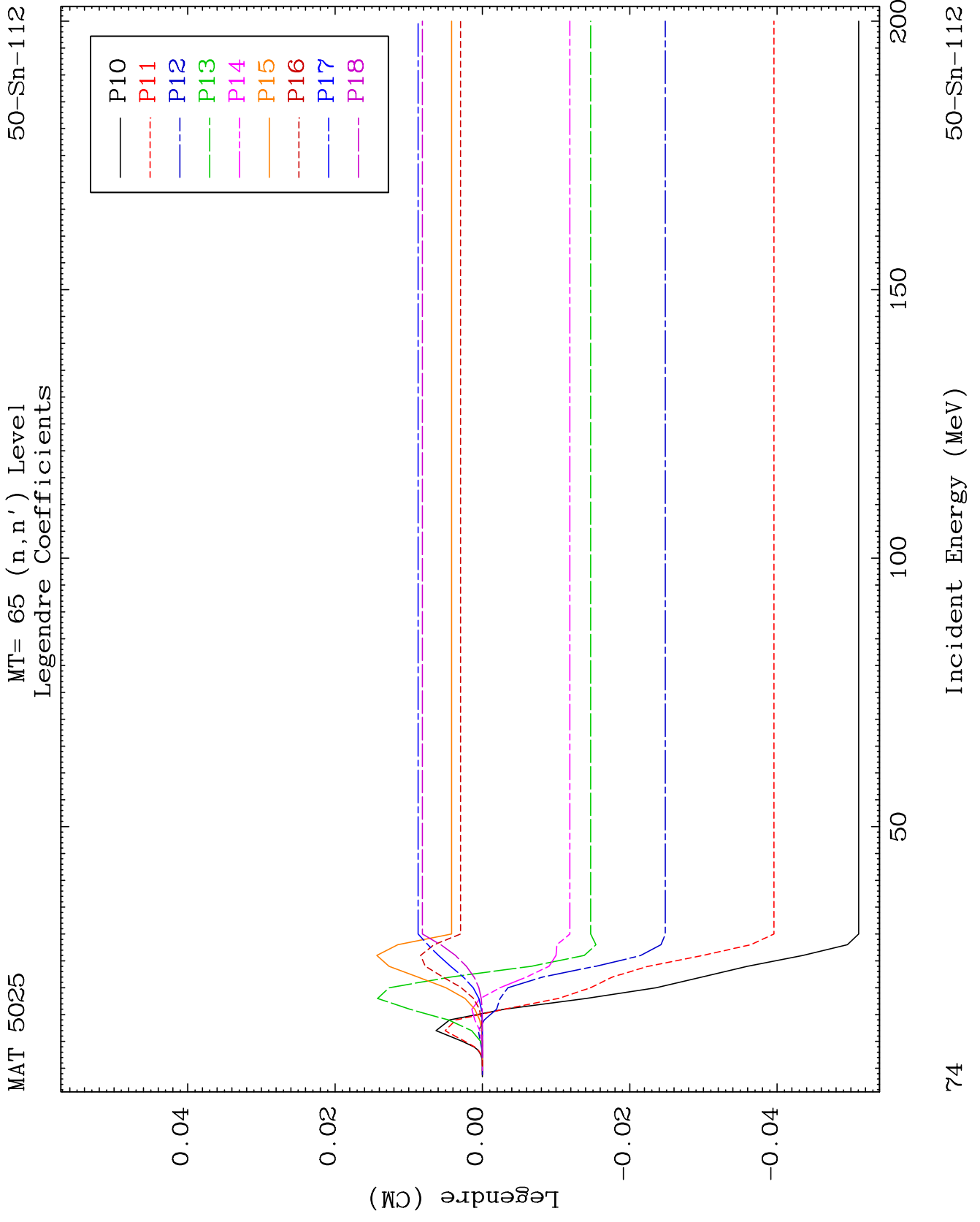
Incident Energy (MeV)

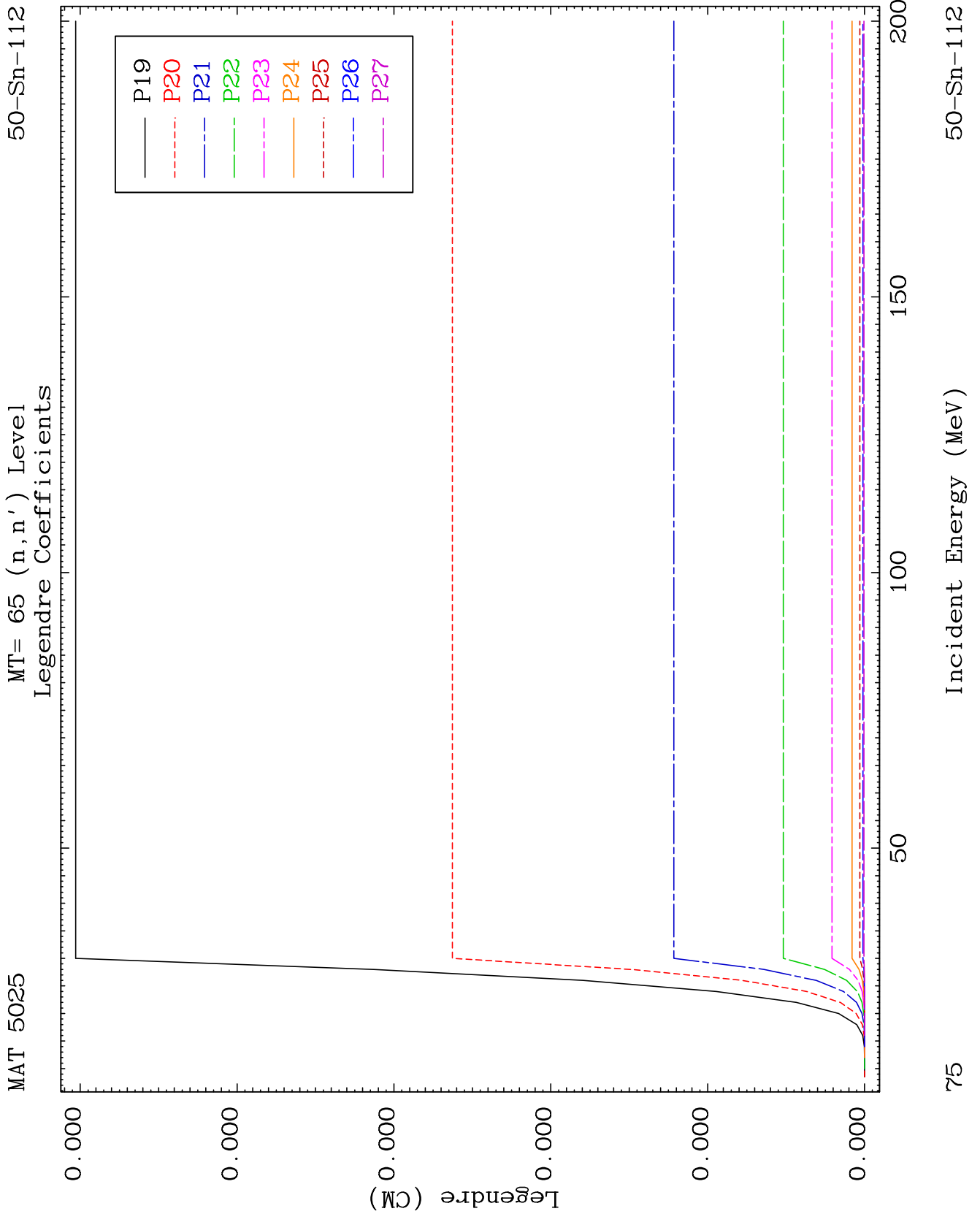
50-Sn-112







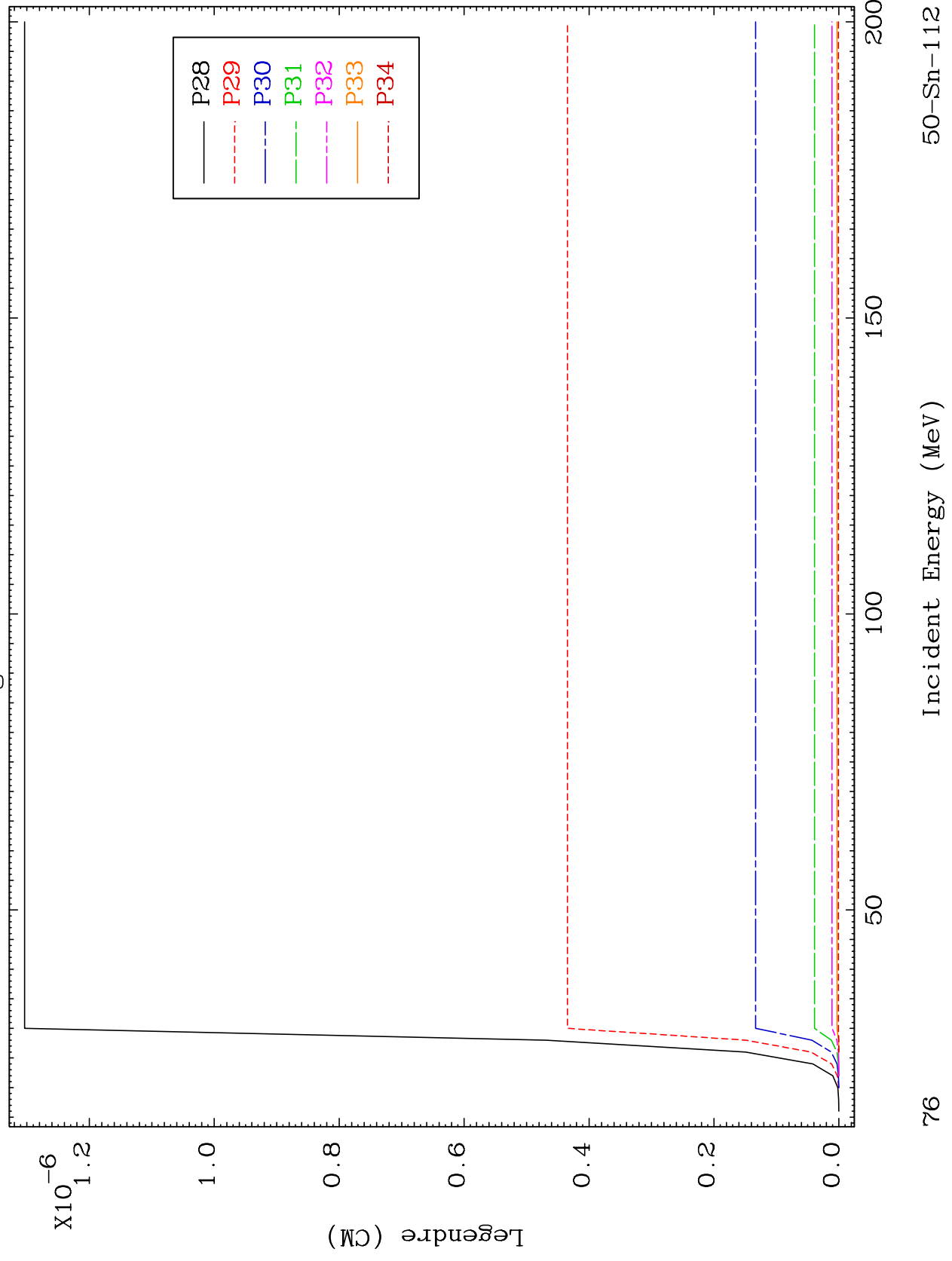




MAT 5025

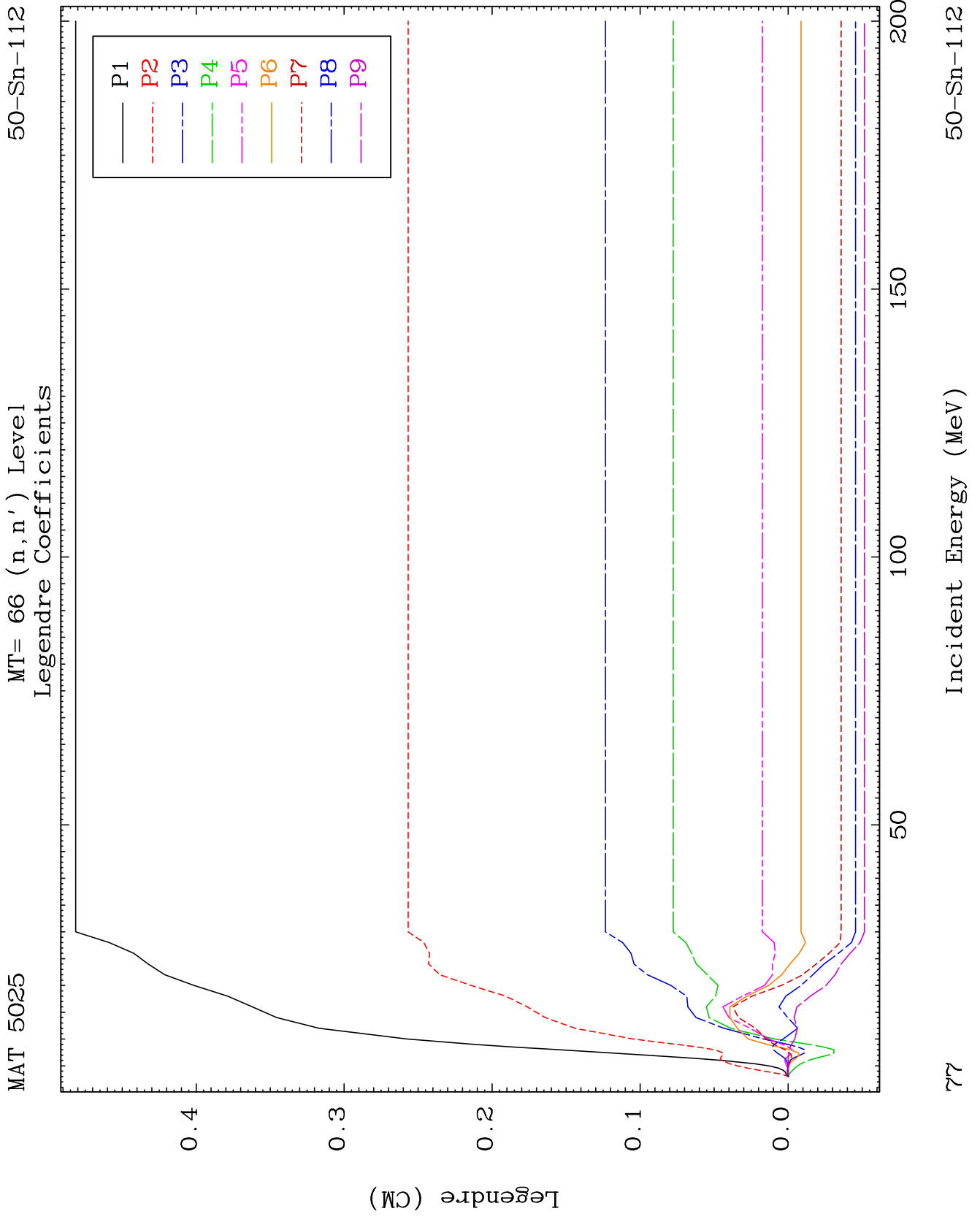
MT= 65 (n,n') Level
Legendre Coefficients

50-Sn-112



76

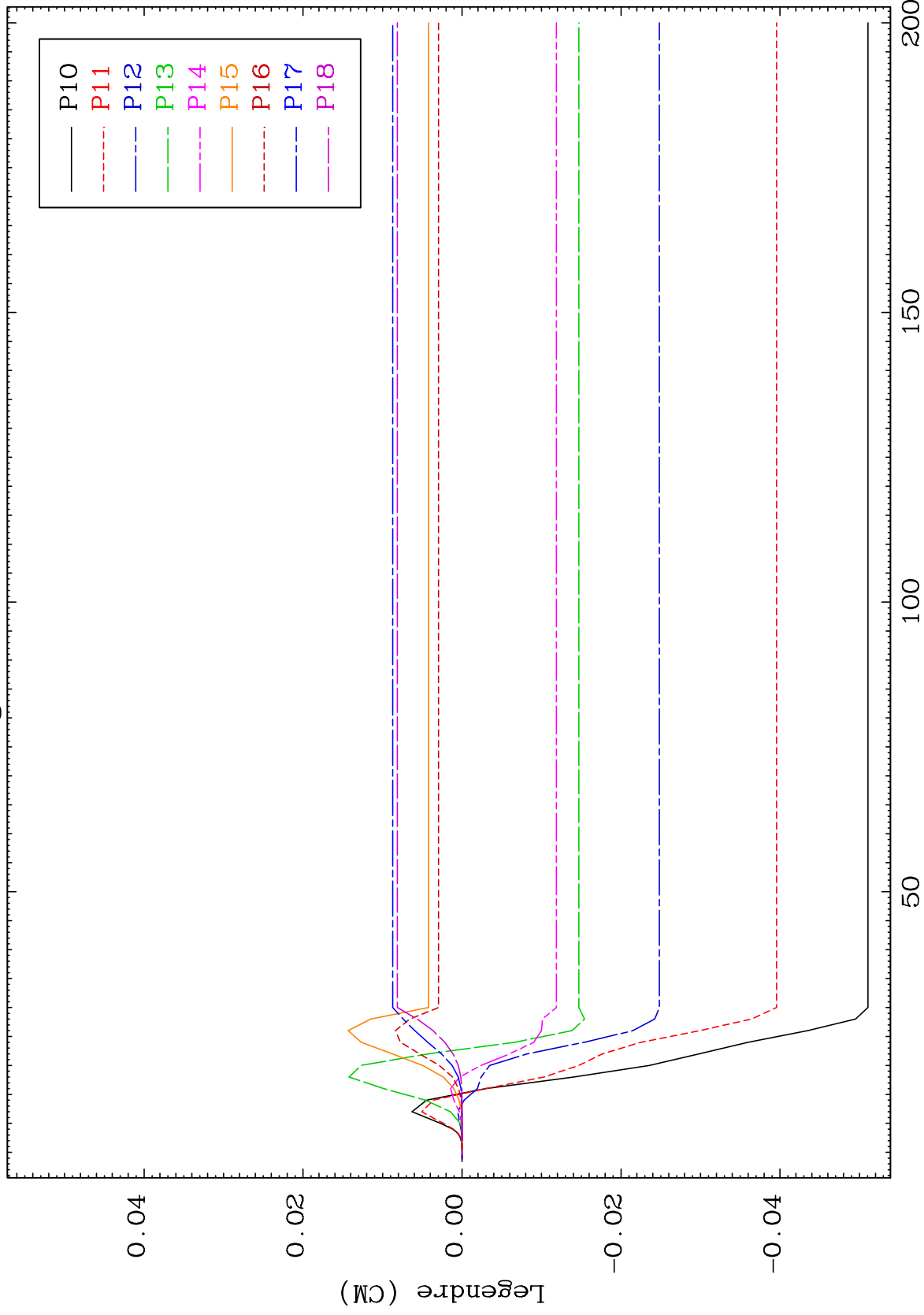
50-Sn-112



MAT 5025

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

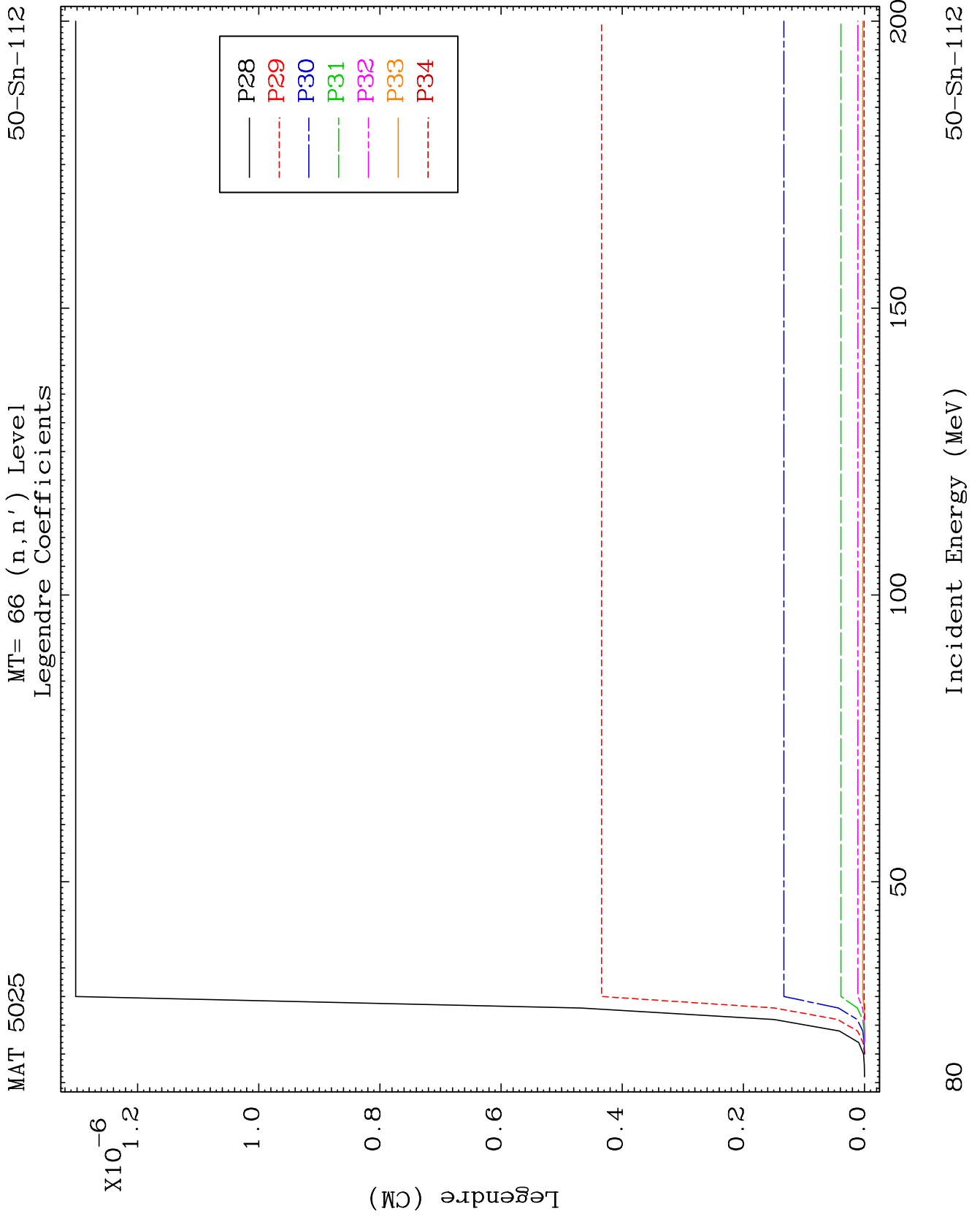
50-Sn-112



78

Incident Energy (MeV)

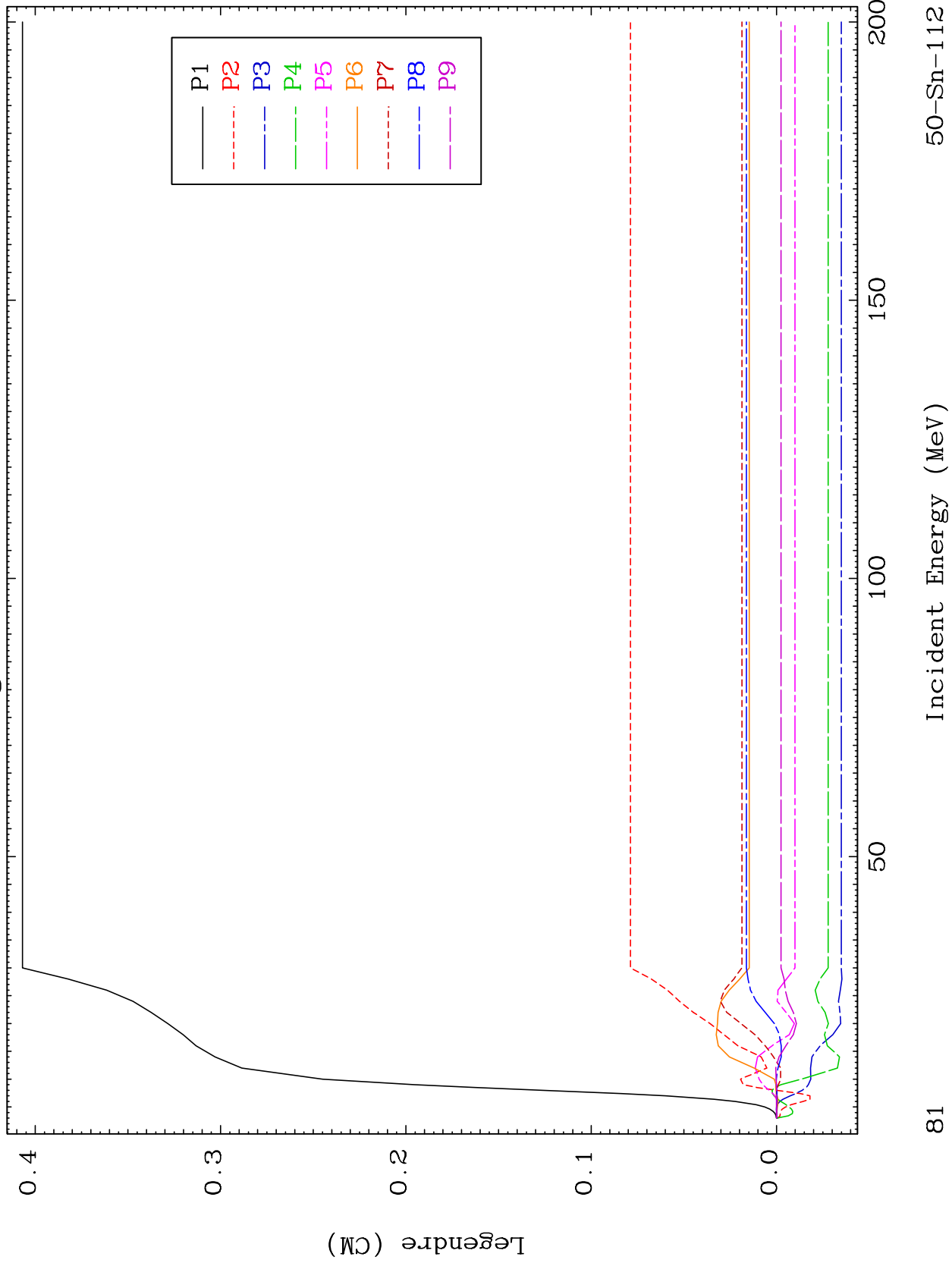
50-Sn-112



MAT 5025

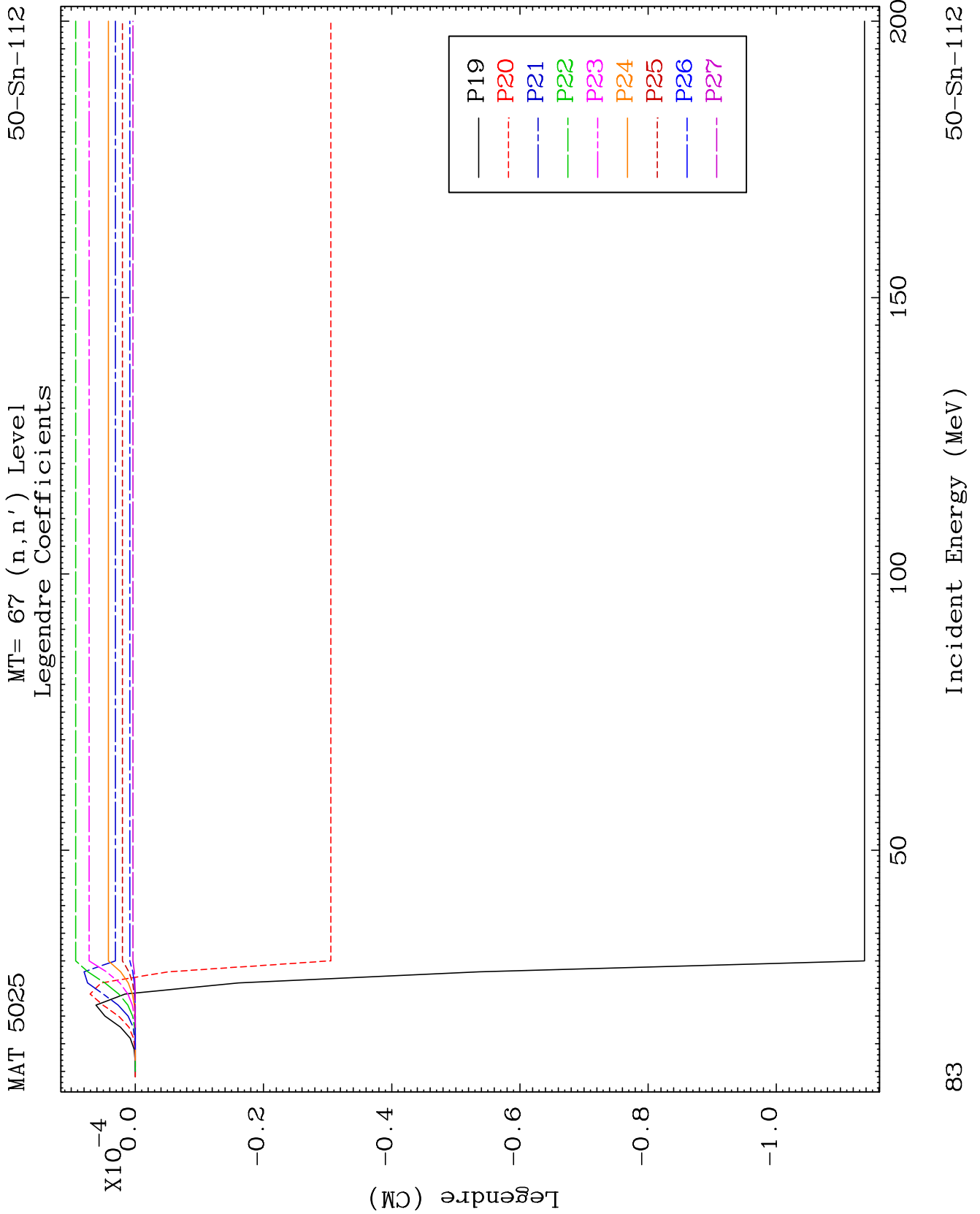
MT= 67 (n,n') Level
Legendre Coefficients

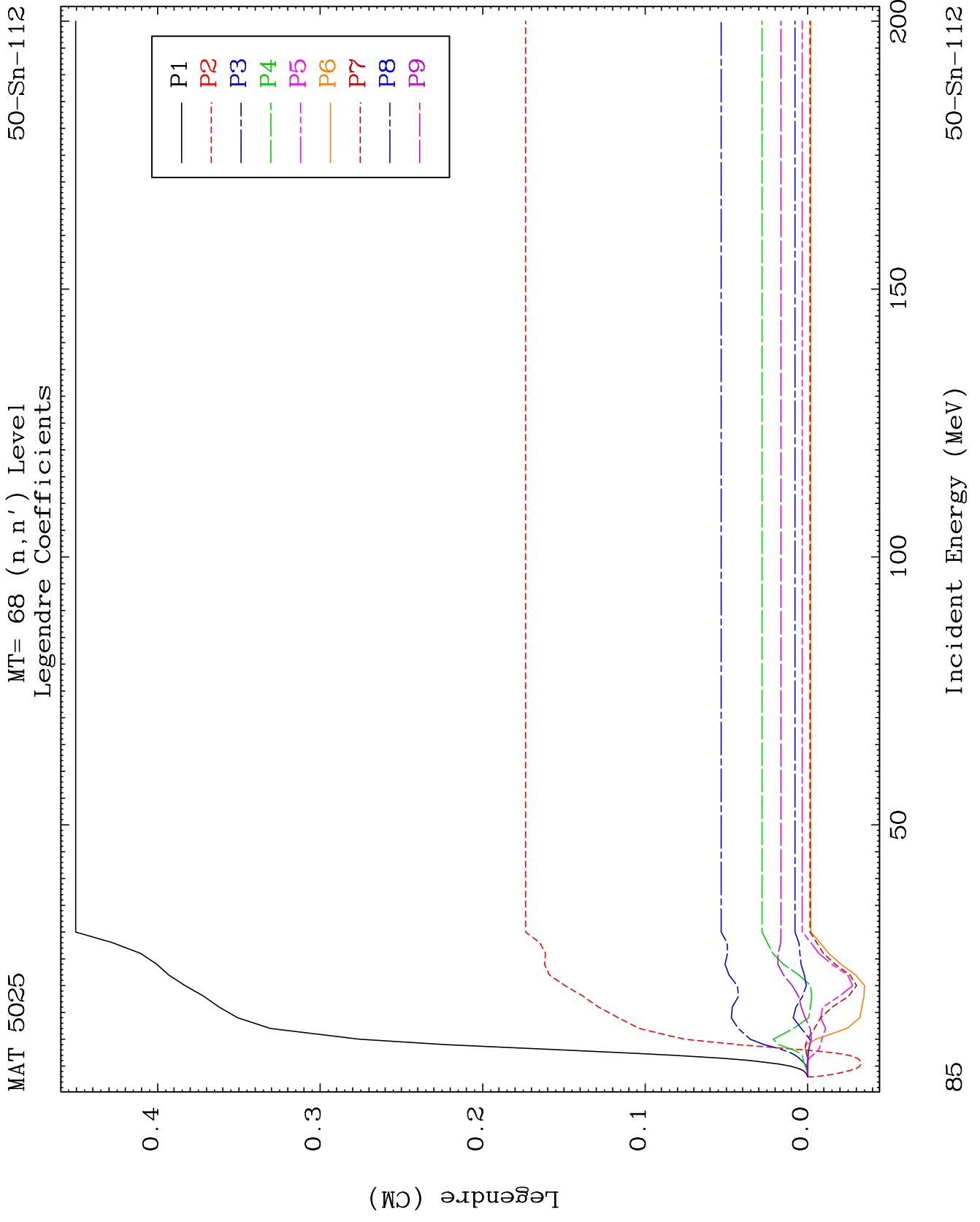
50-Sn-112



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50-Sn-112

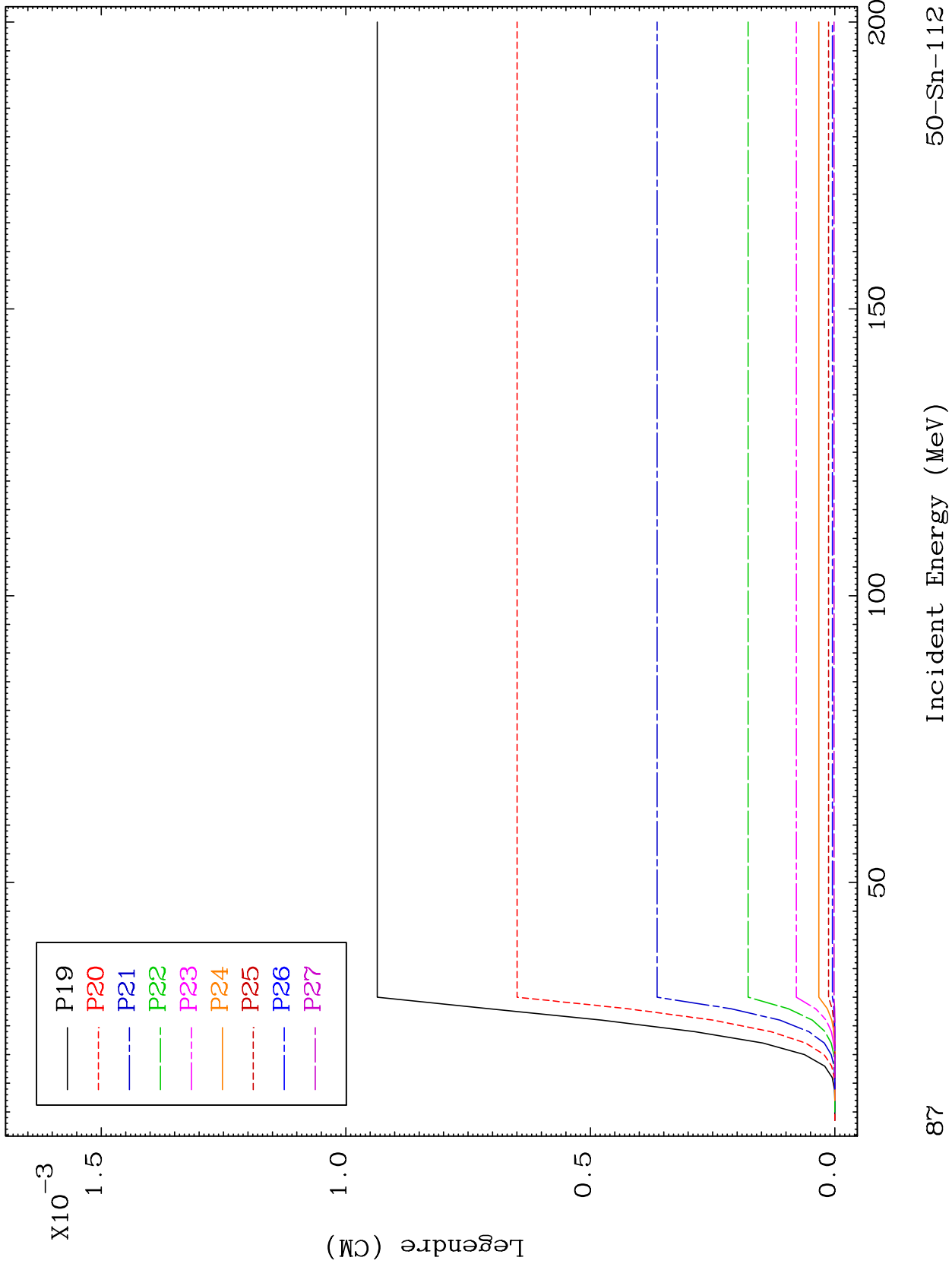




MAT 5025

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

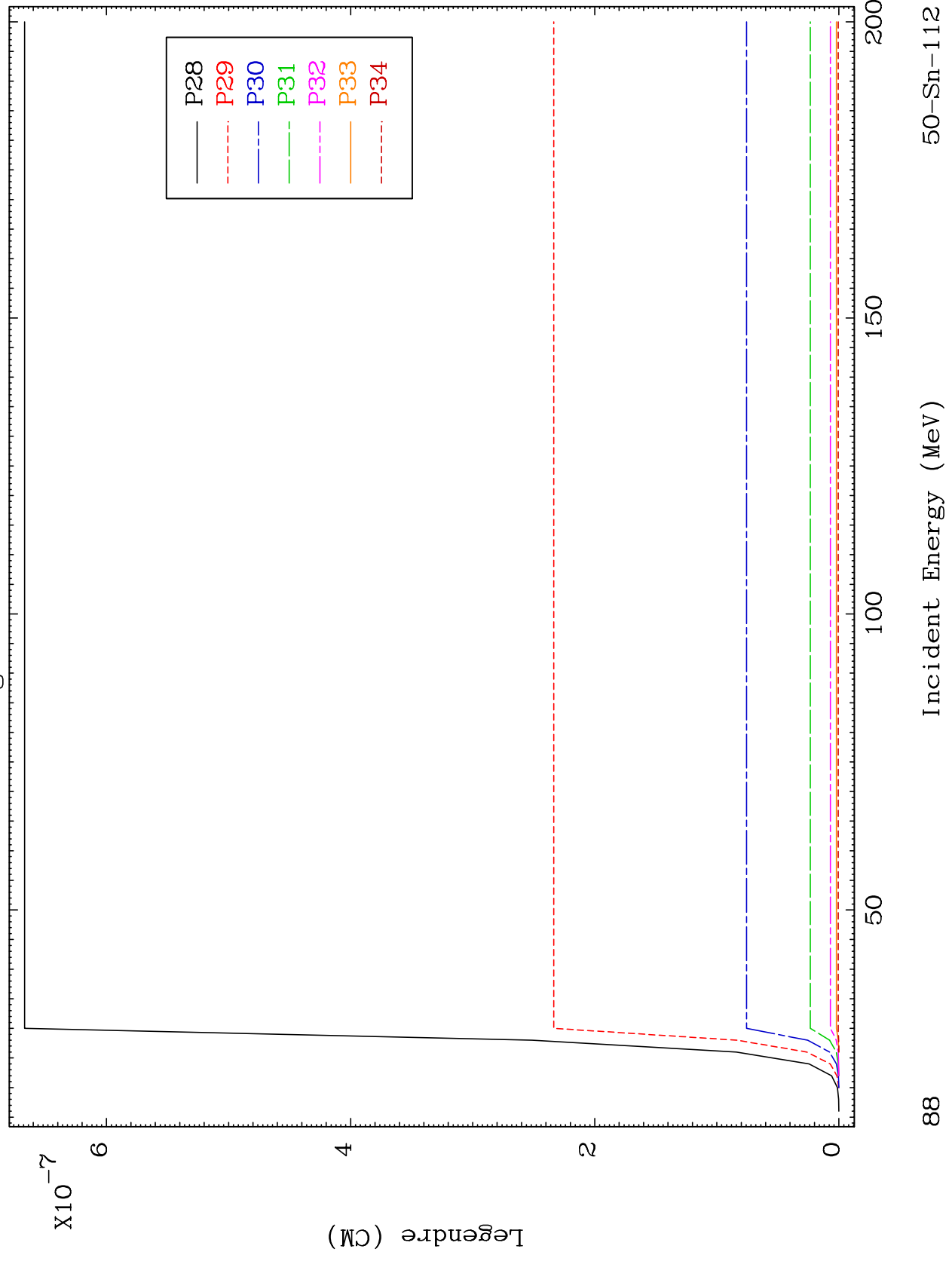
50-Sn-112



MAT 5025

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

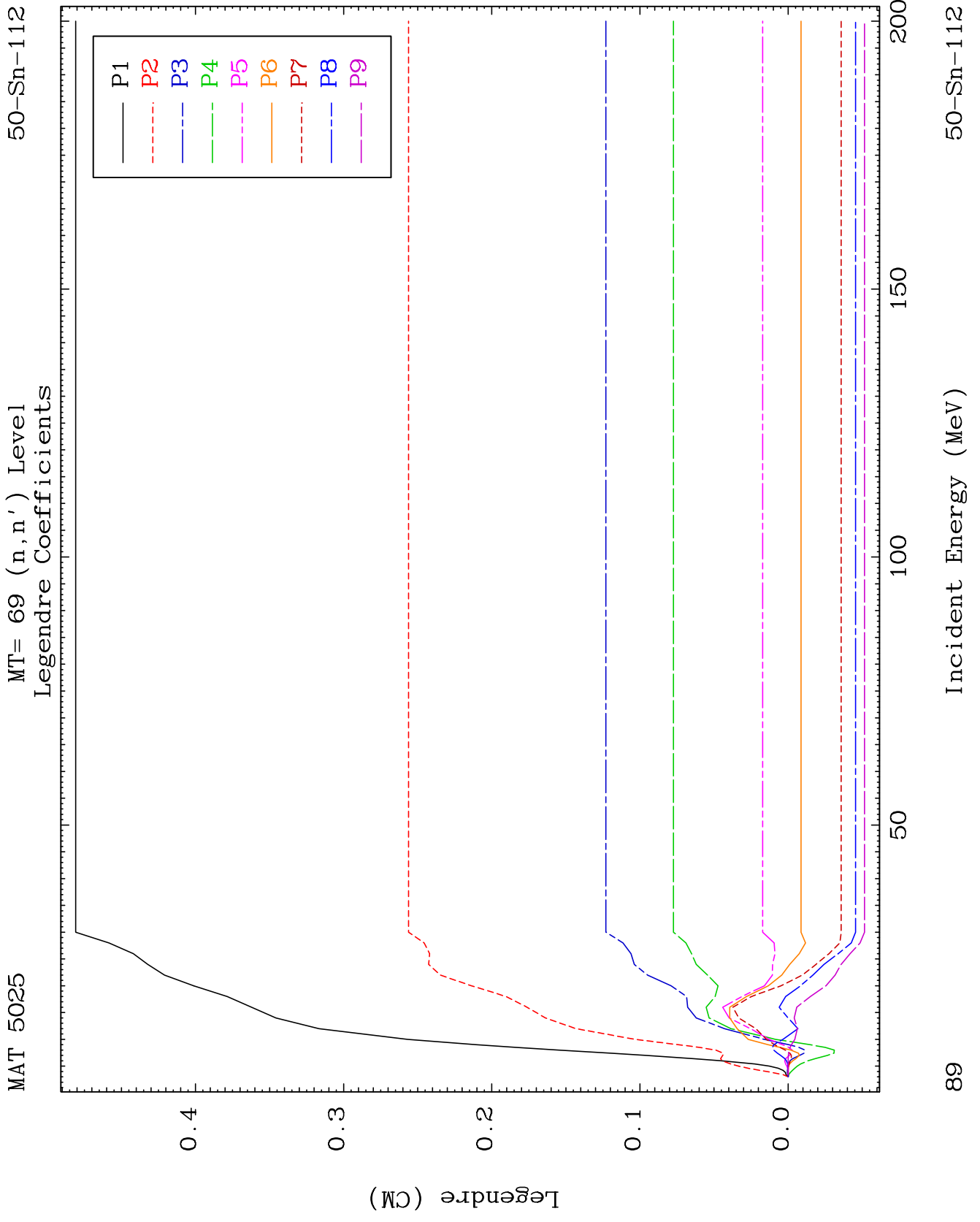
50-Sn-112

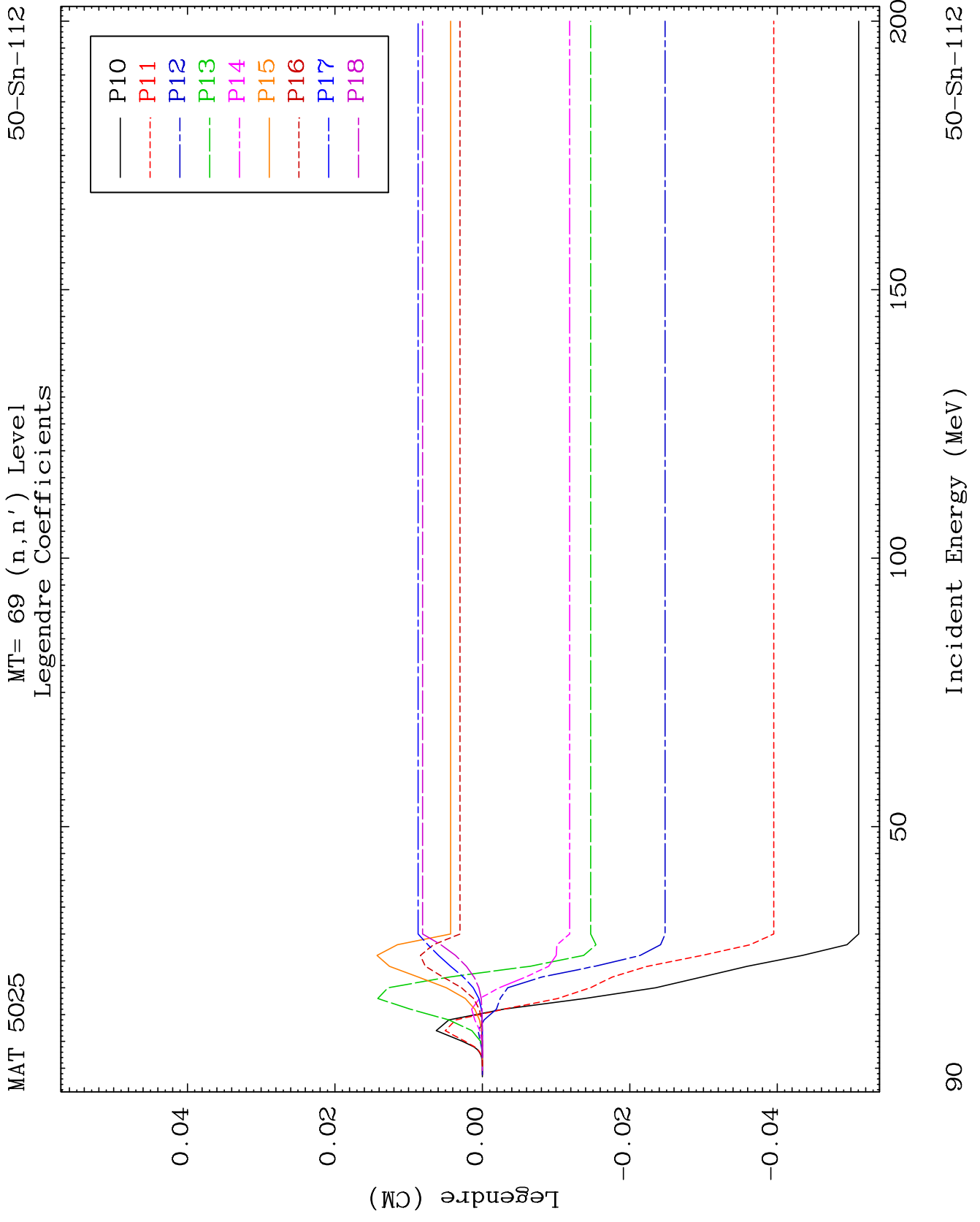


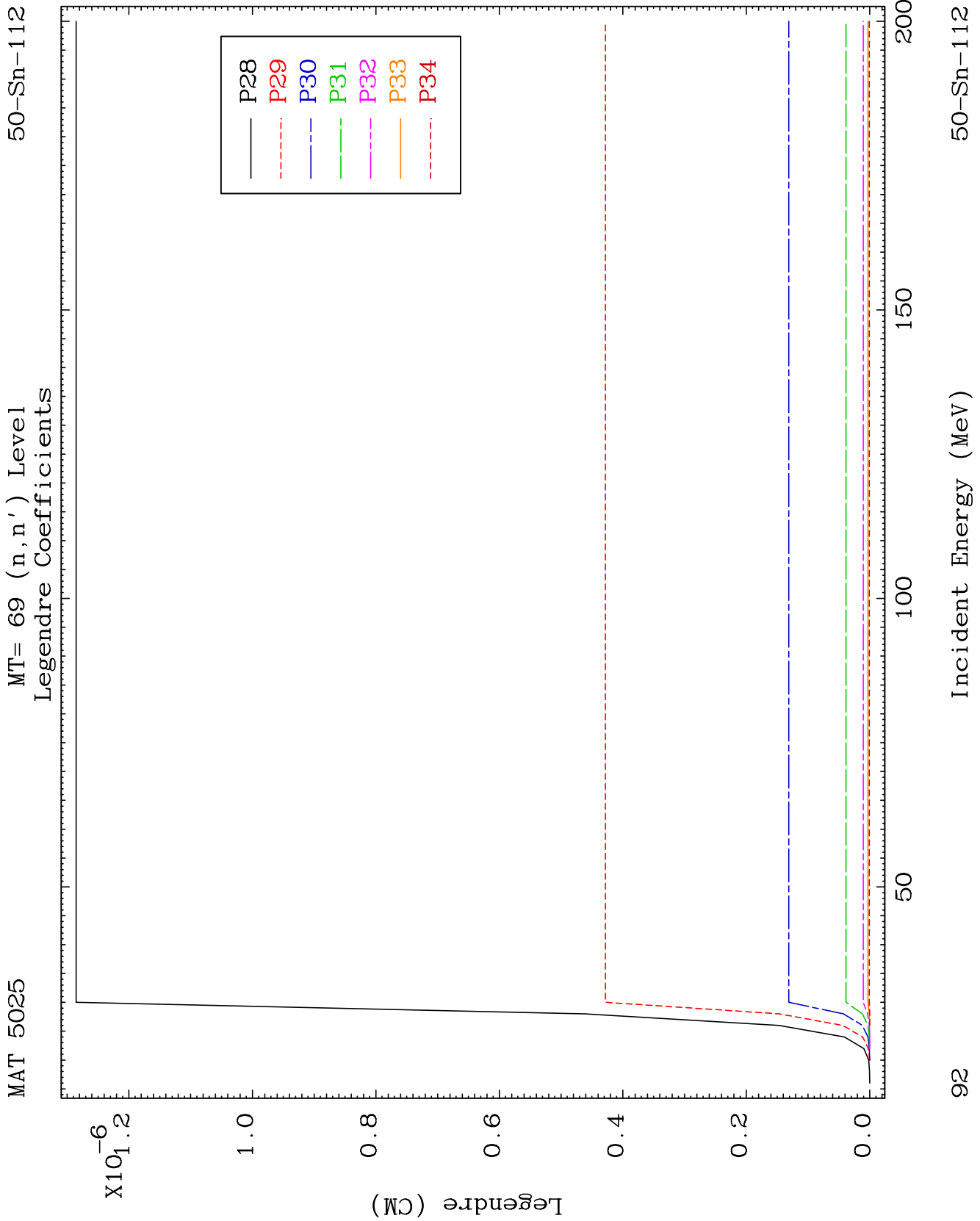
88

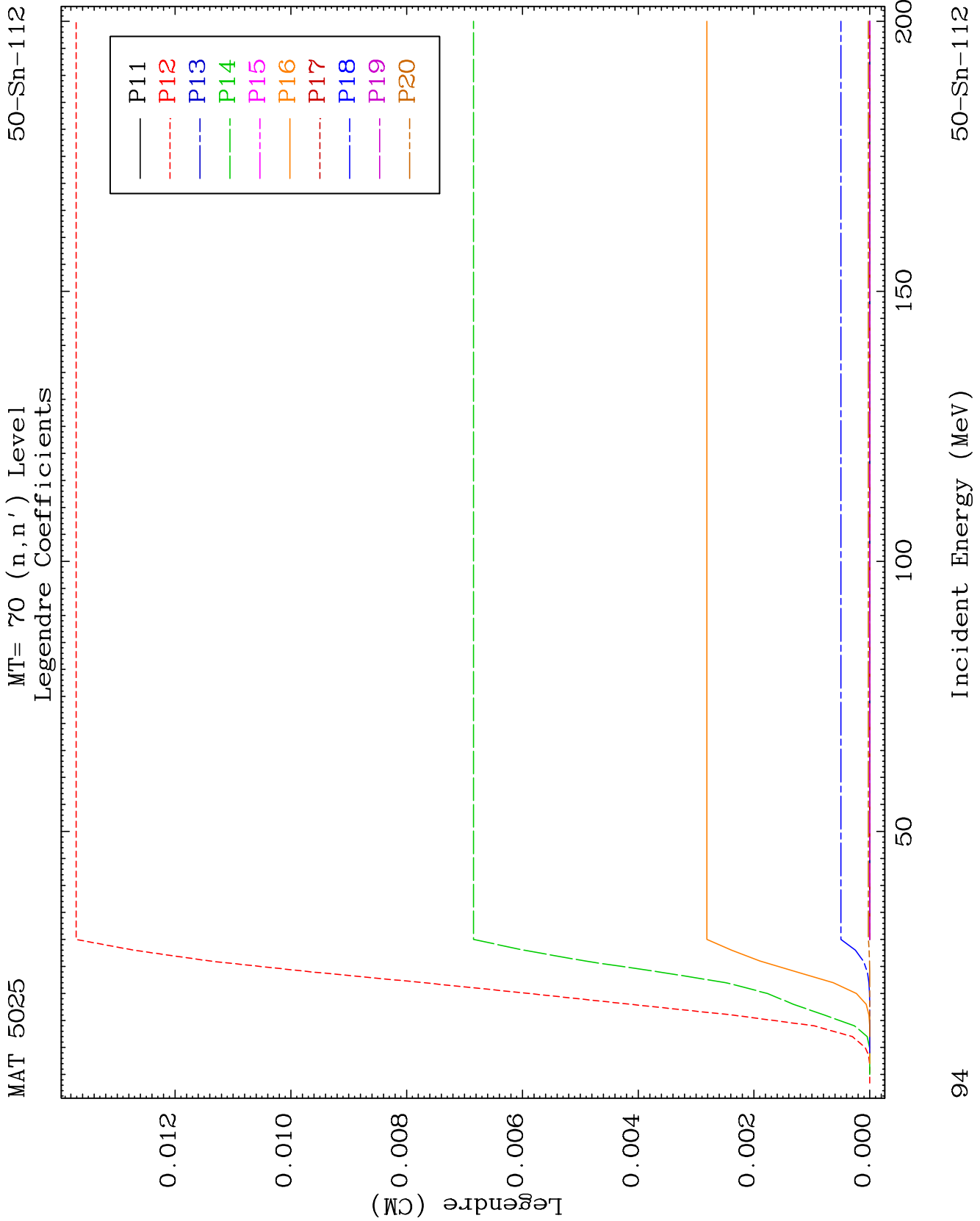
Incident Energy (MeV)

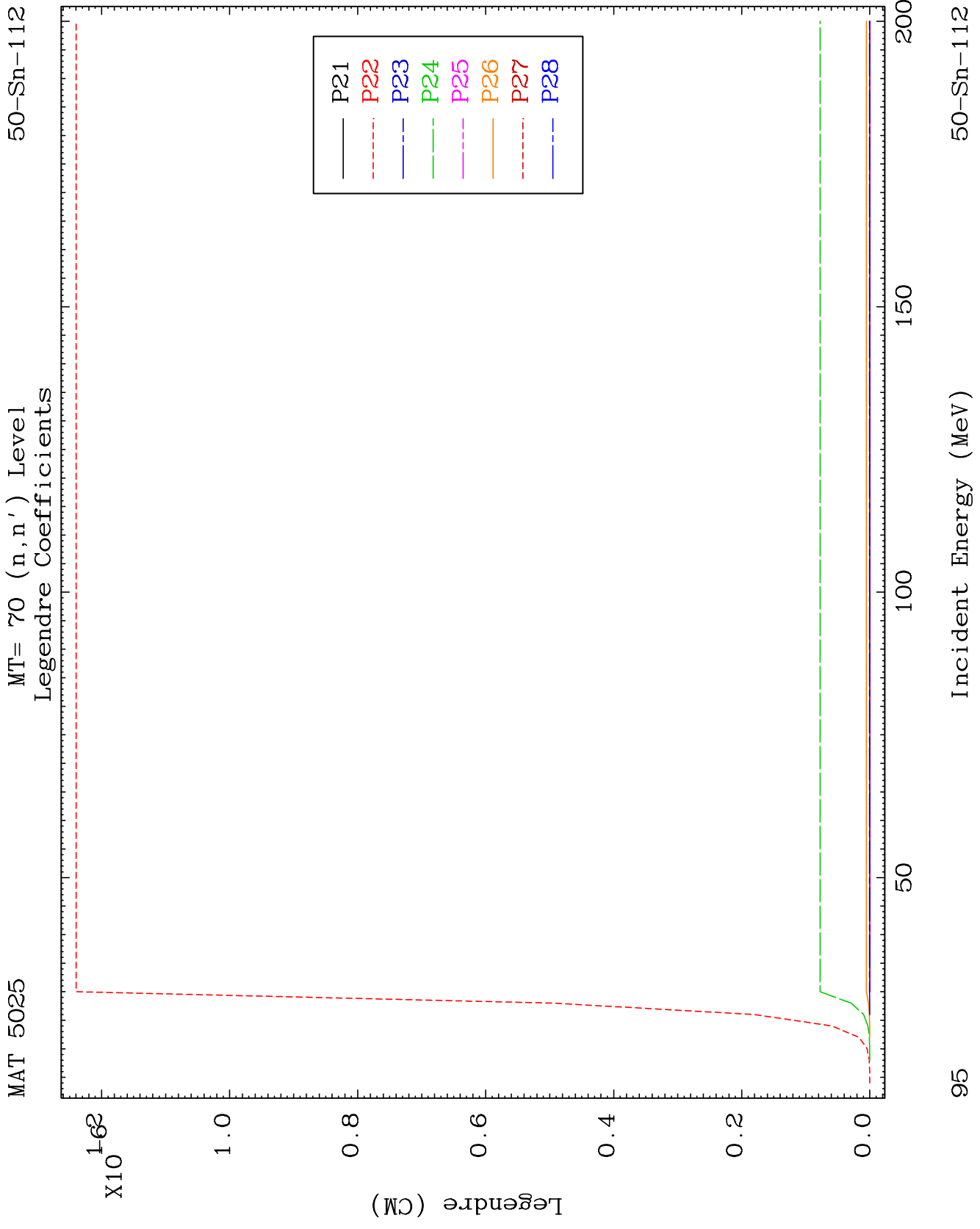
50-Sn-112

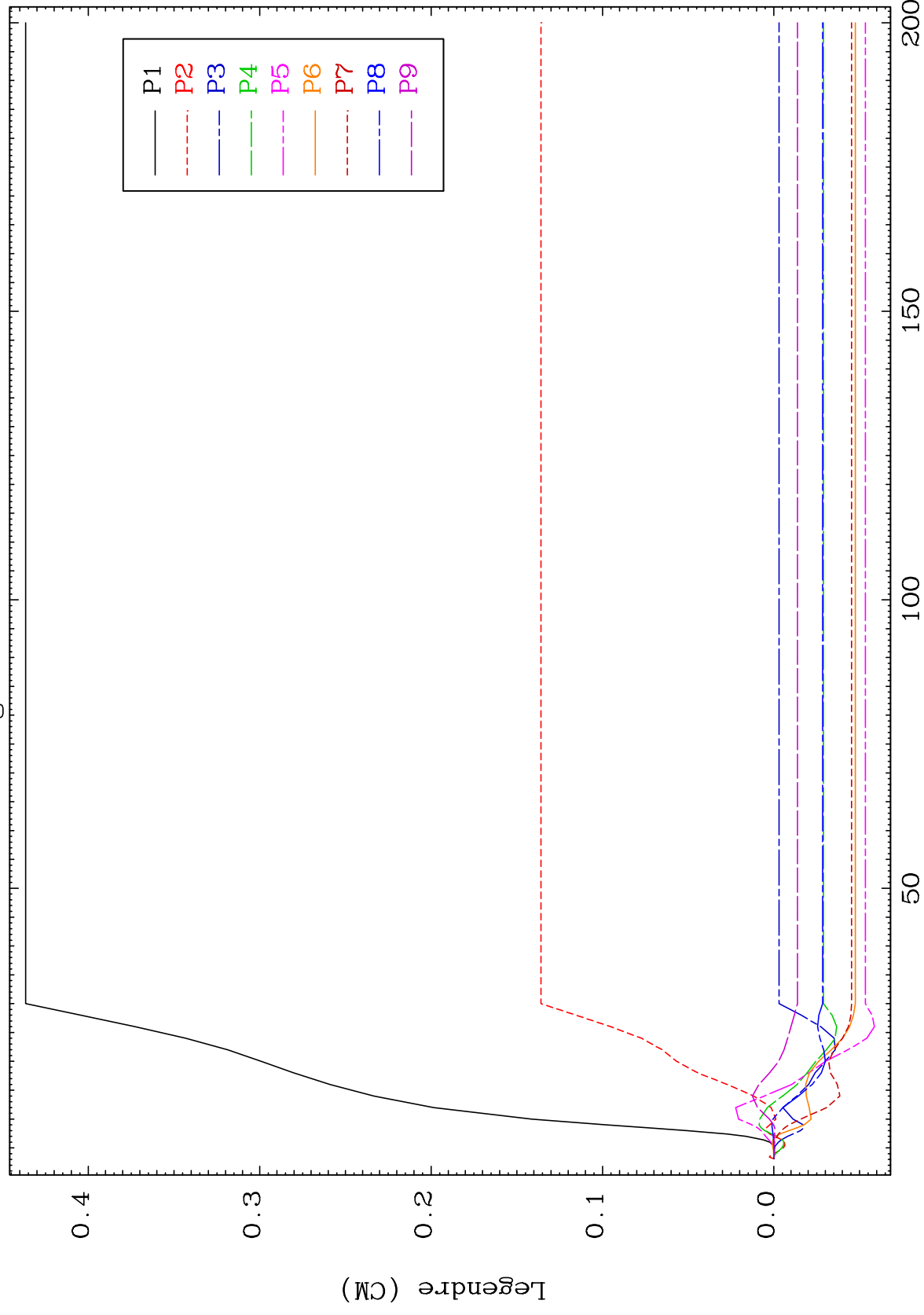


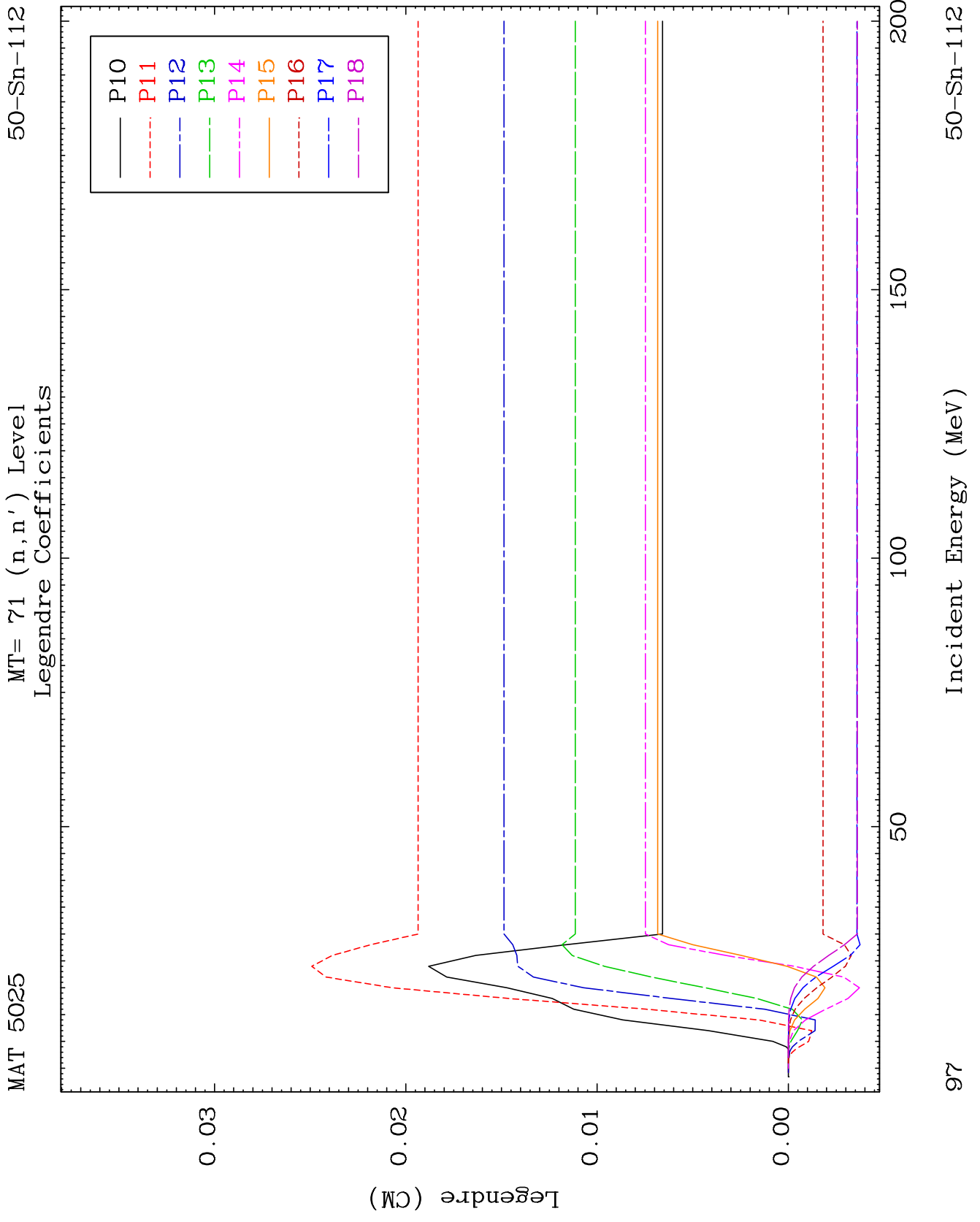


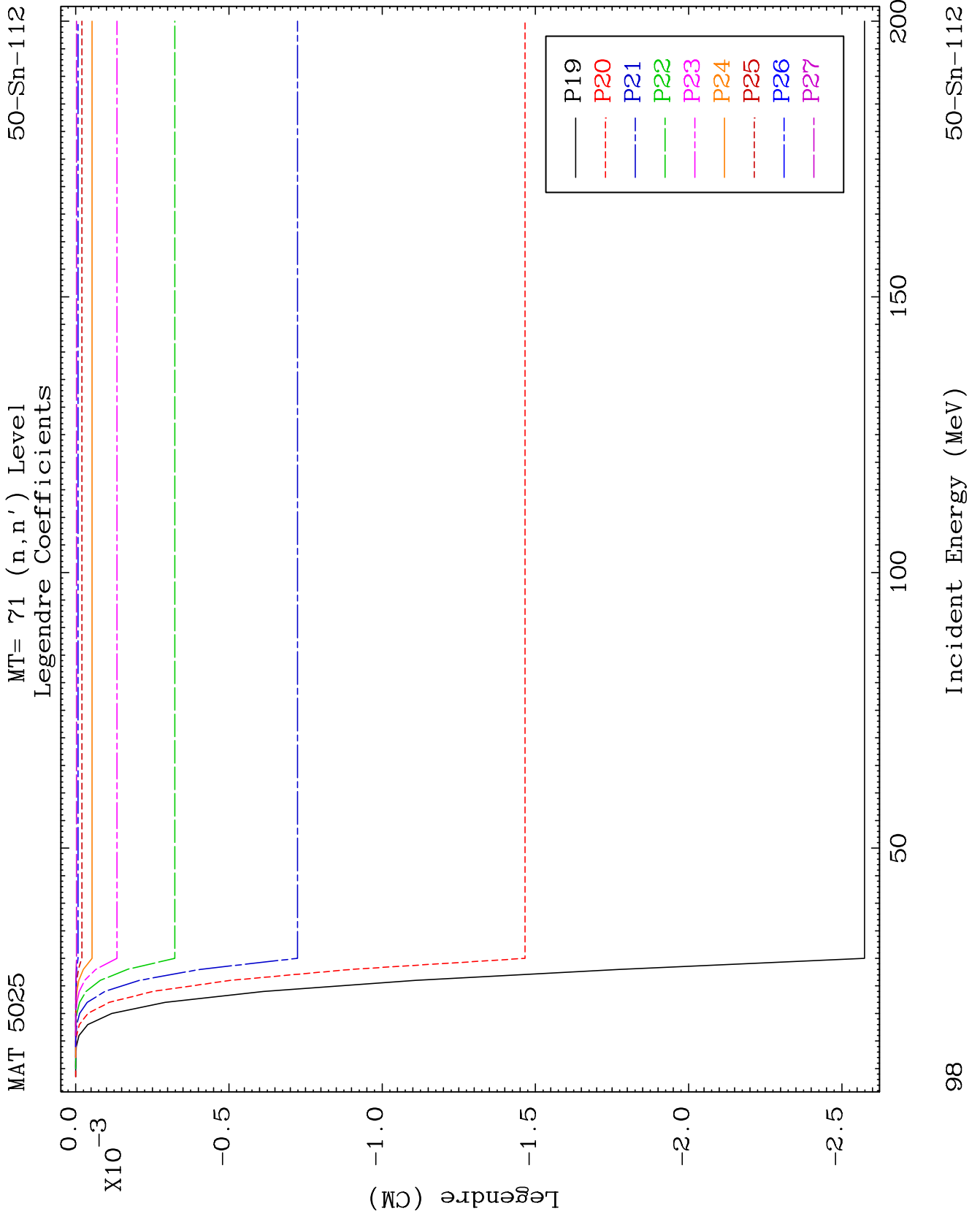


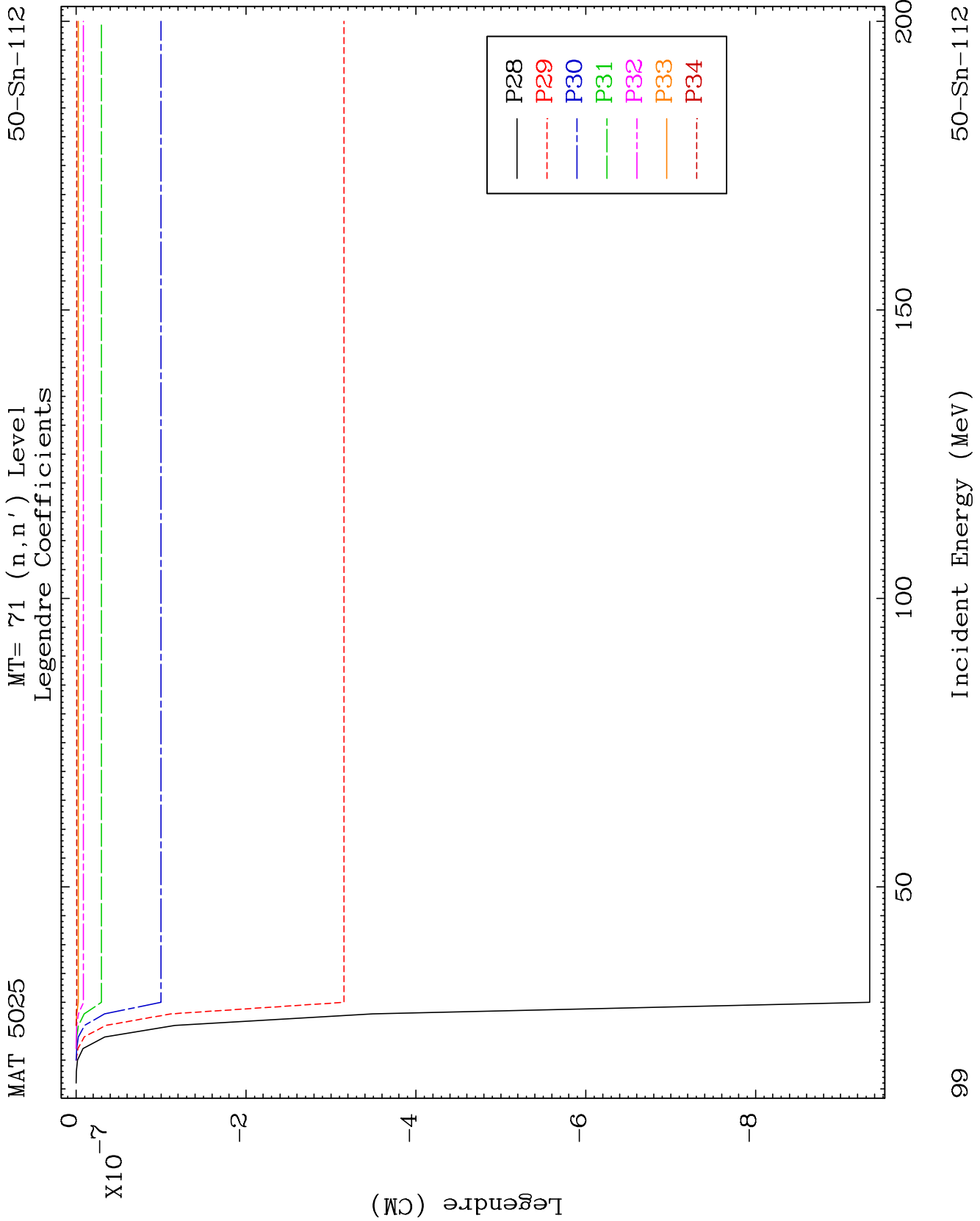


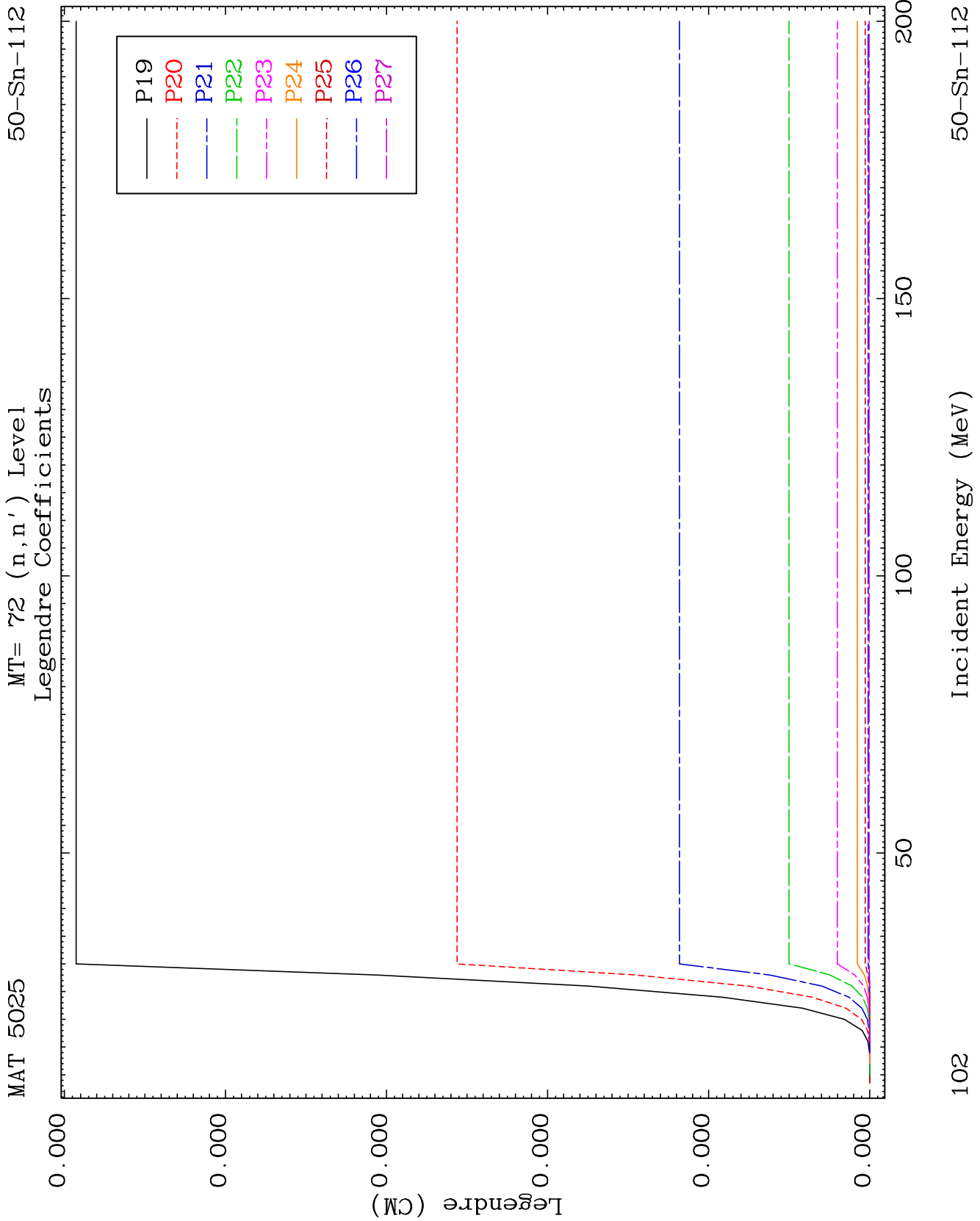








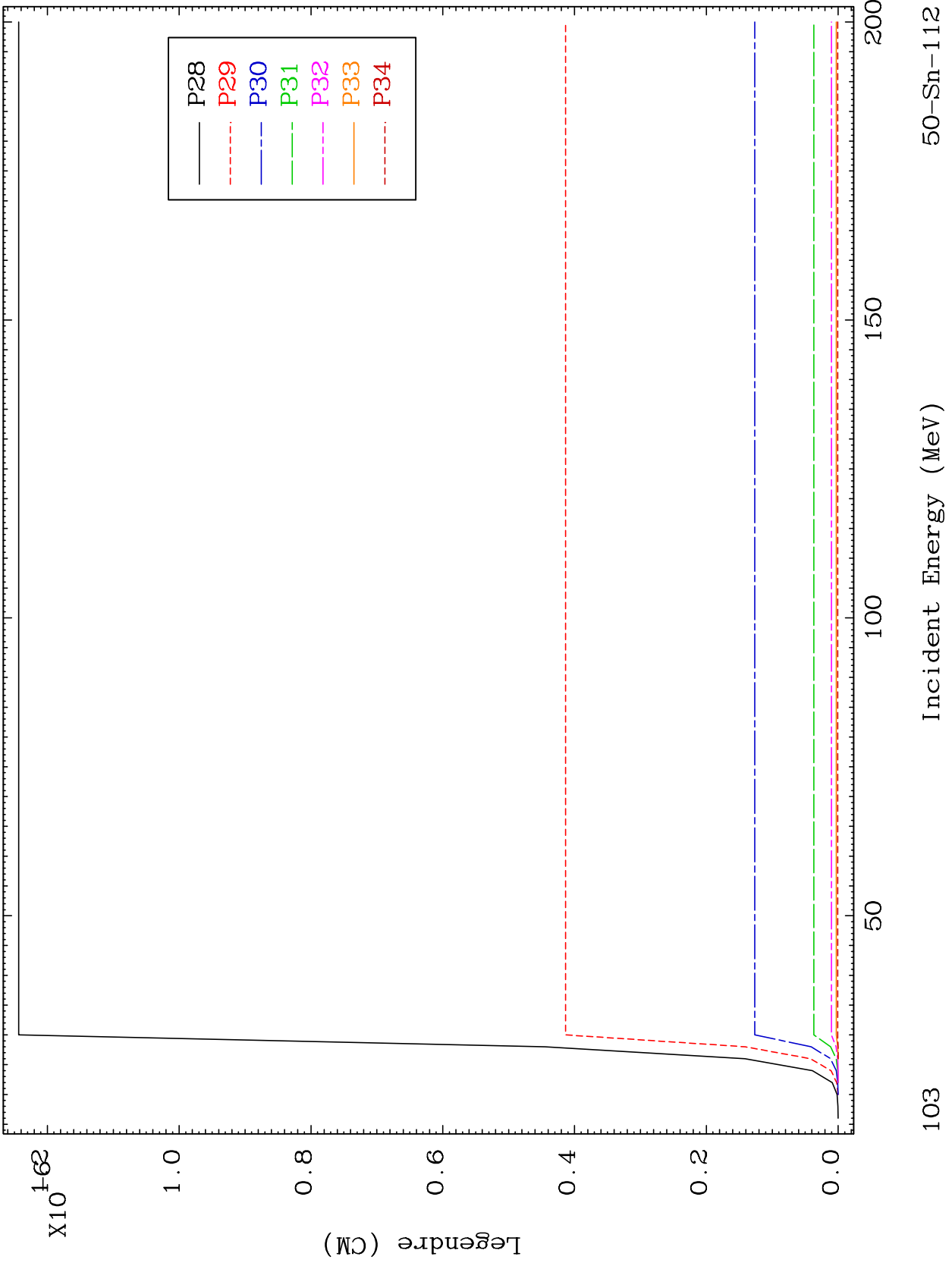




MAT 5025

MT= 72 (n,n') Level
Legendre Coefficients

50-Sn-112

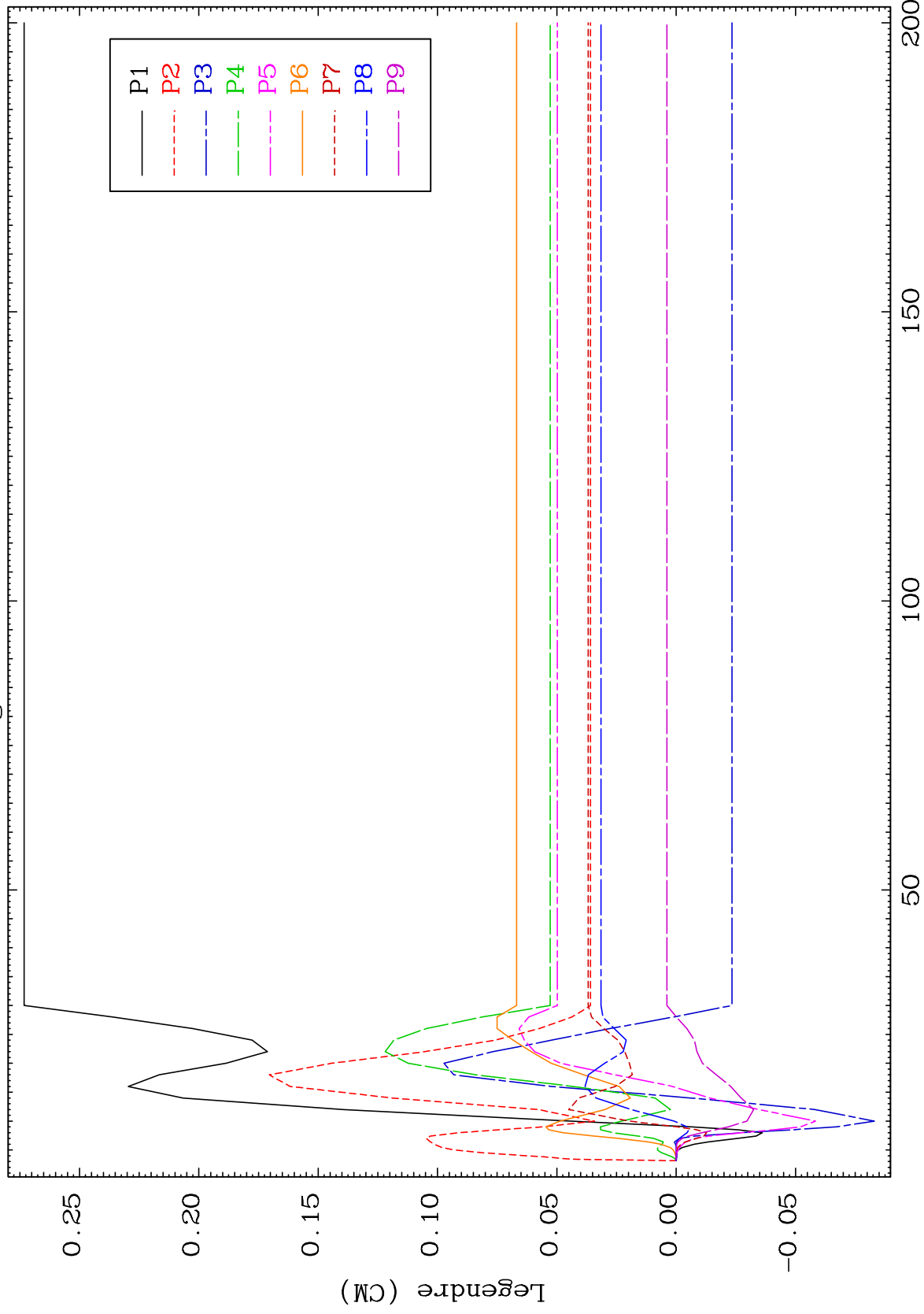


103

MAT 5025

MT= 73 (n,n') Level
Legendre Coefficients

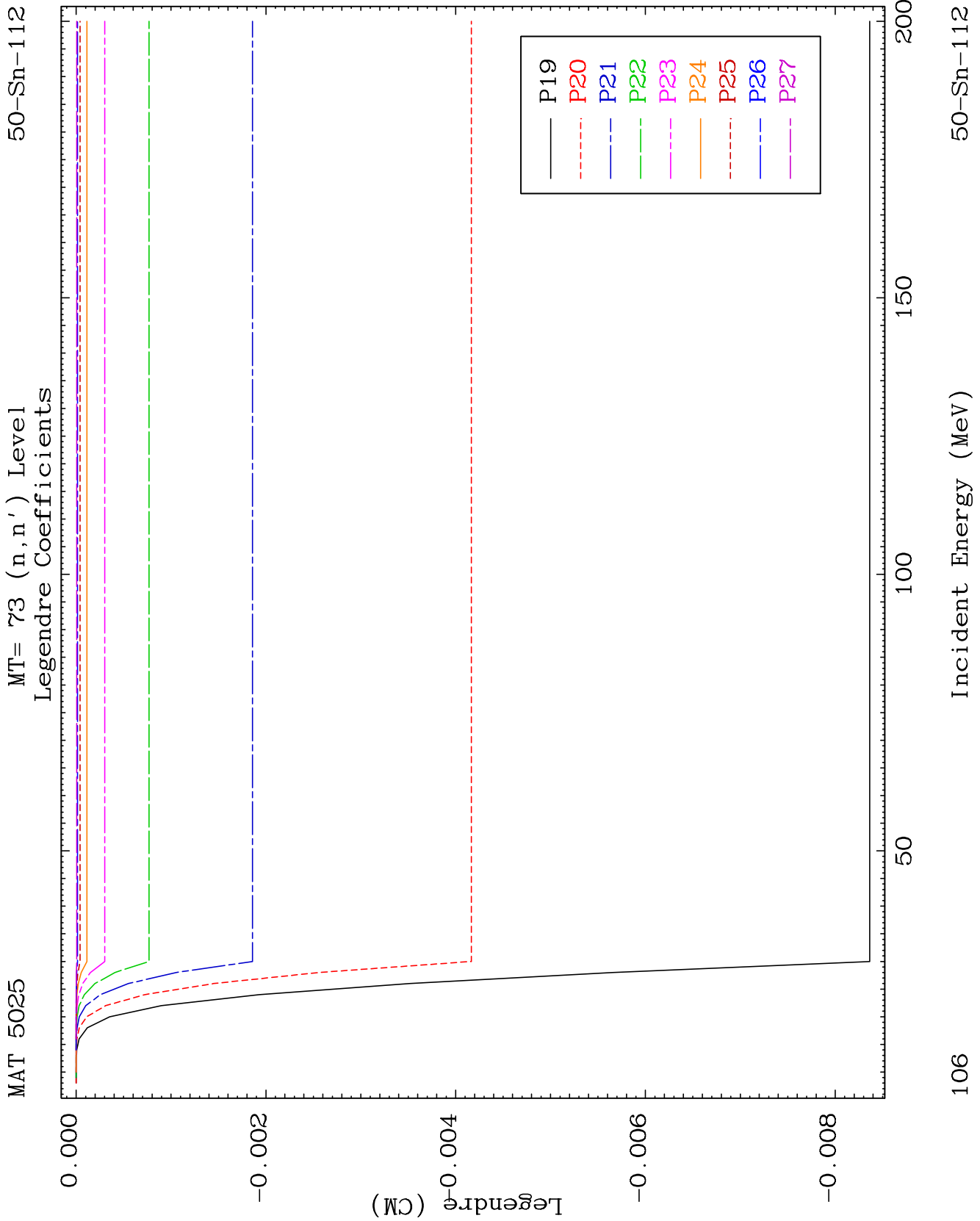
50-Sn-112

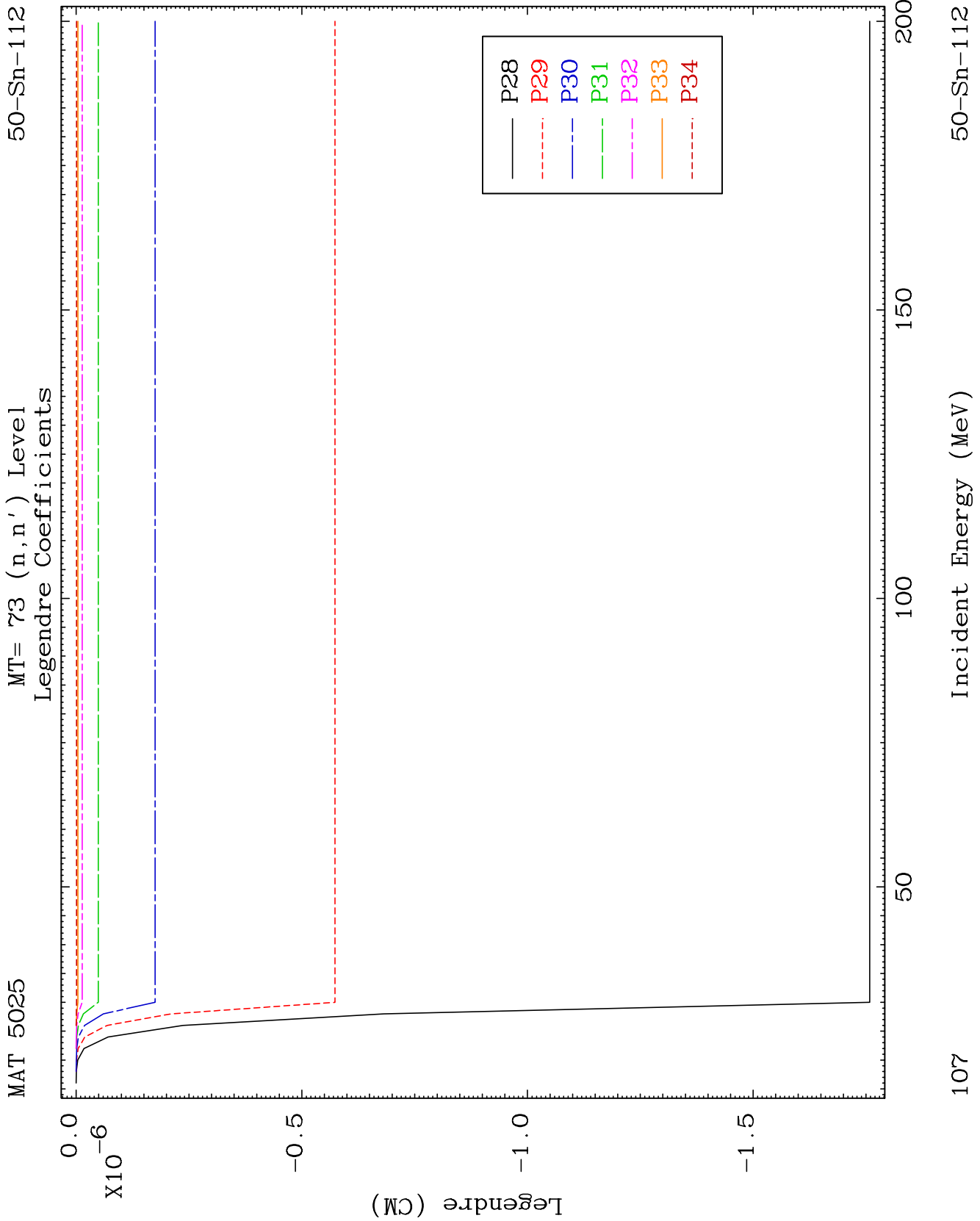


104

Incident Energy (MeV)

50-Sn-112

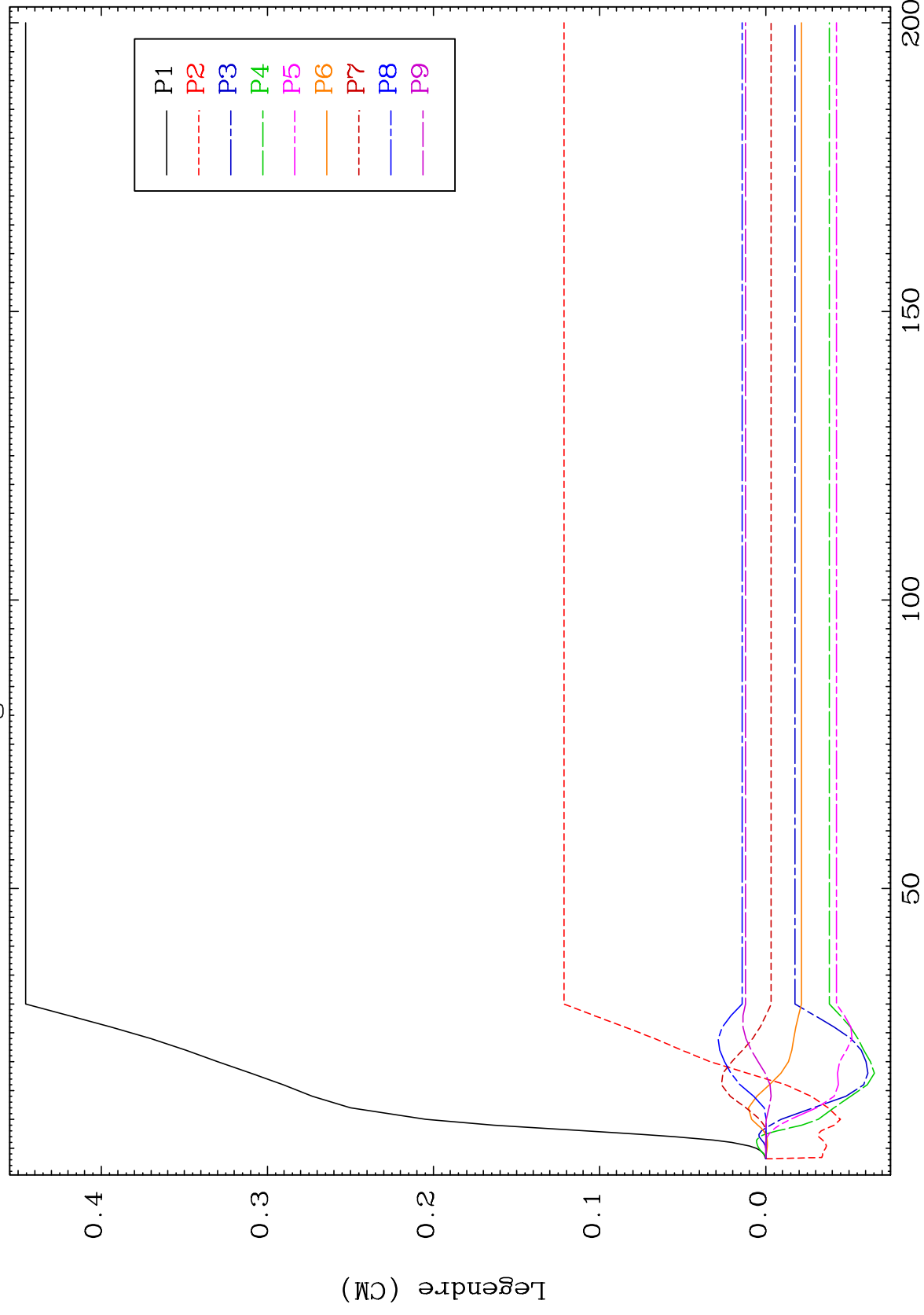




MAT 5025

MT= 74 (n,n') Level
Legendre Coefficients

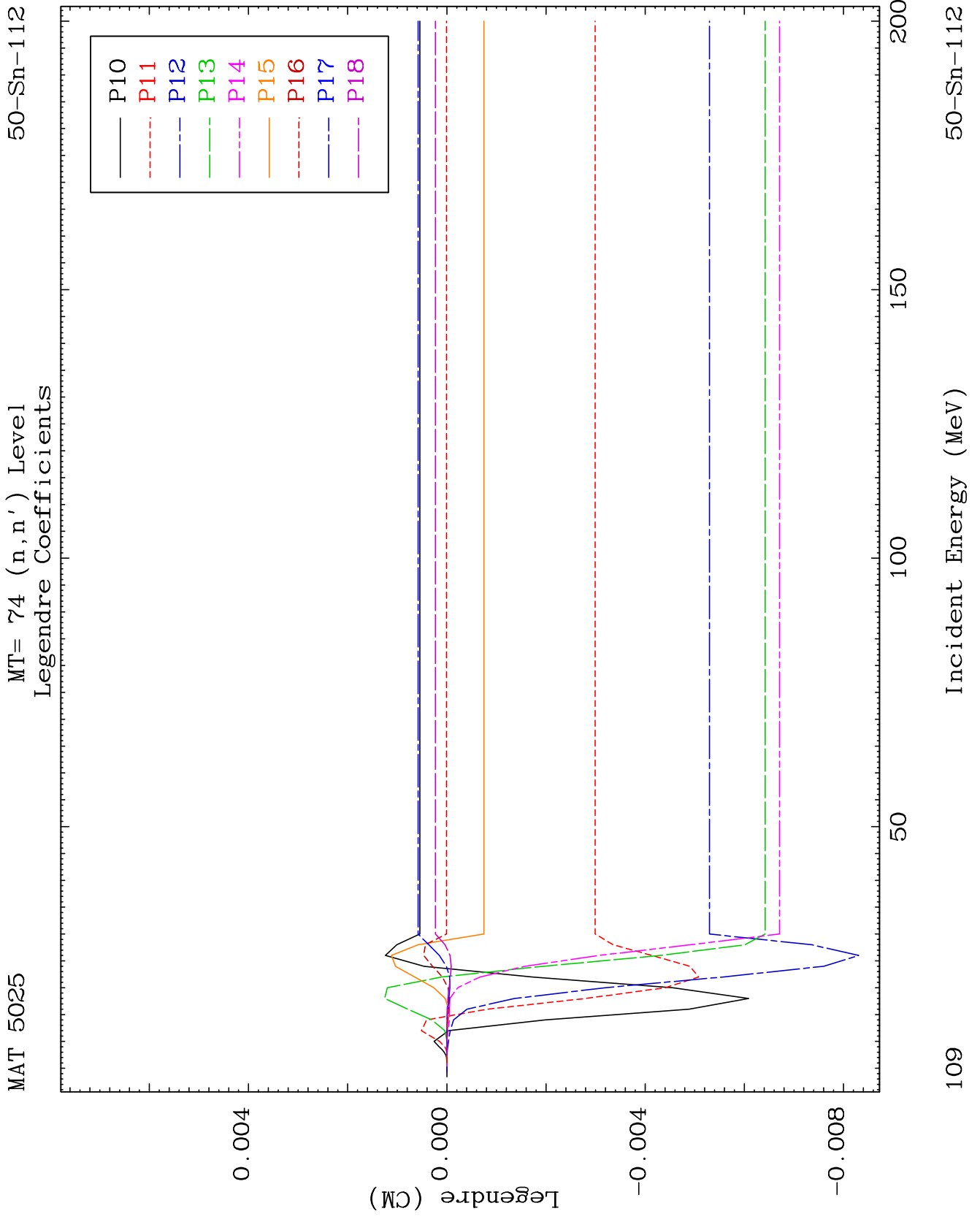
50-Sn-112

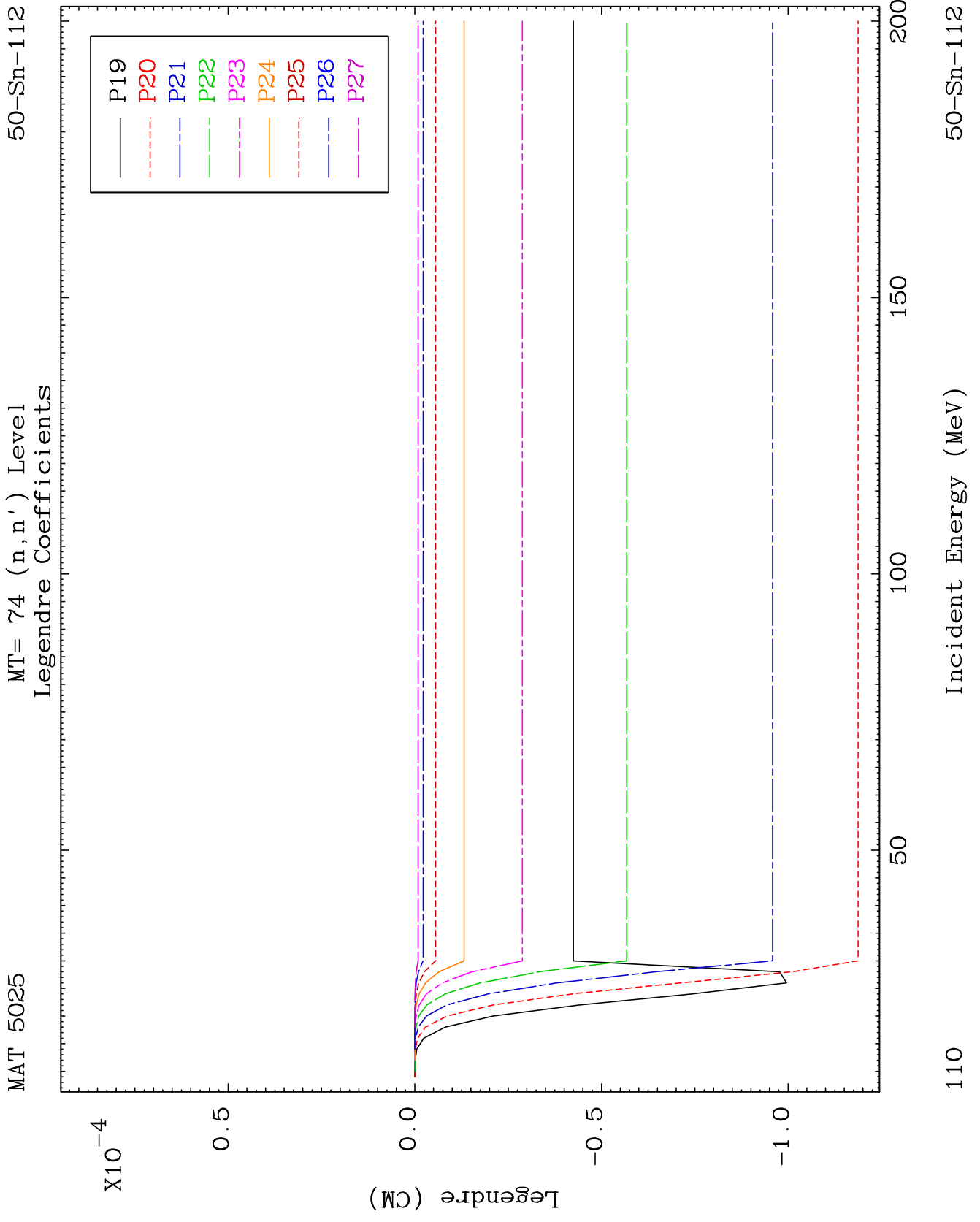


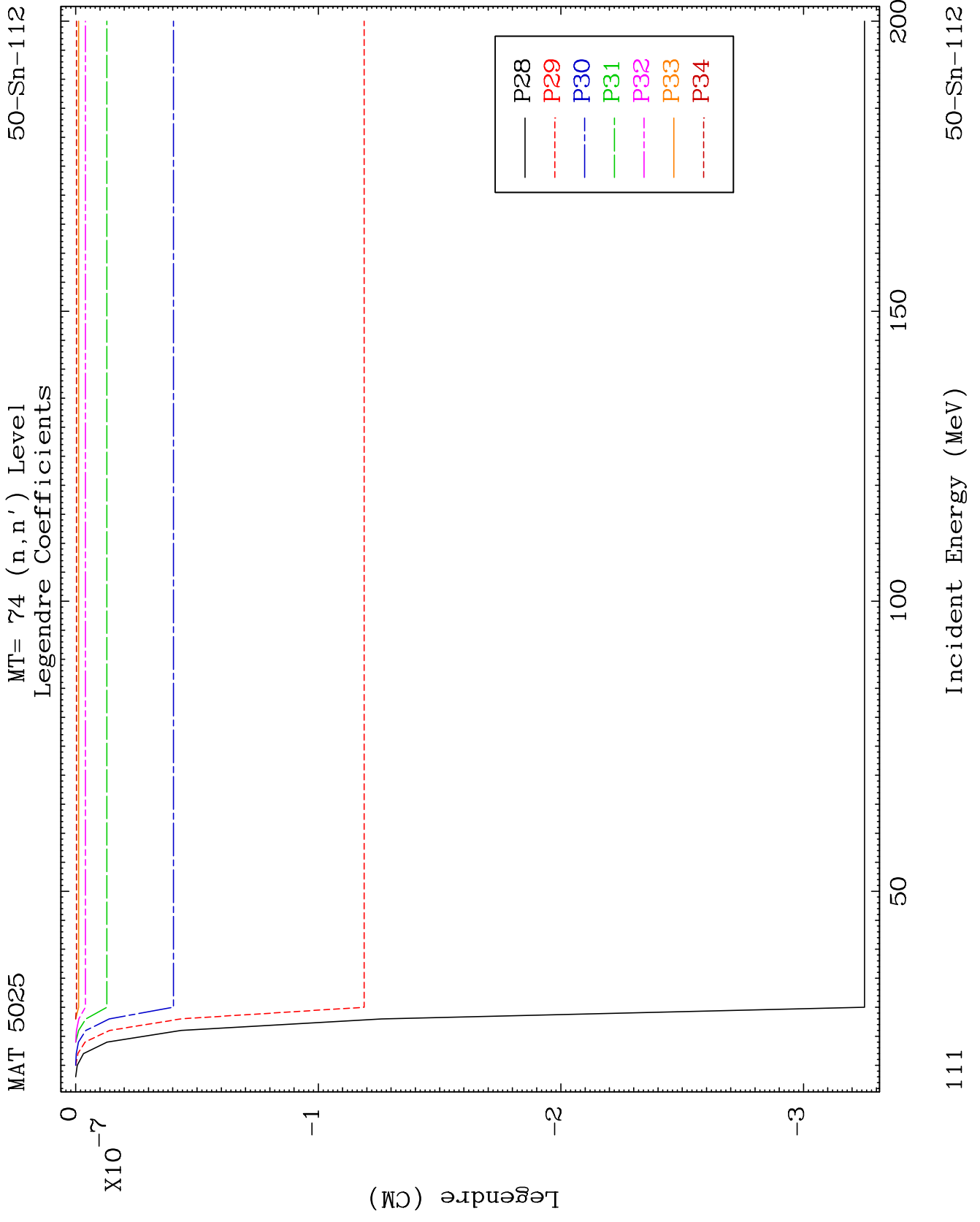
108

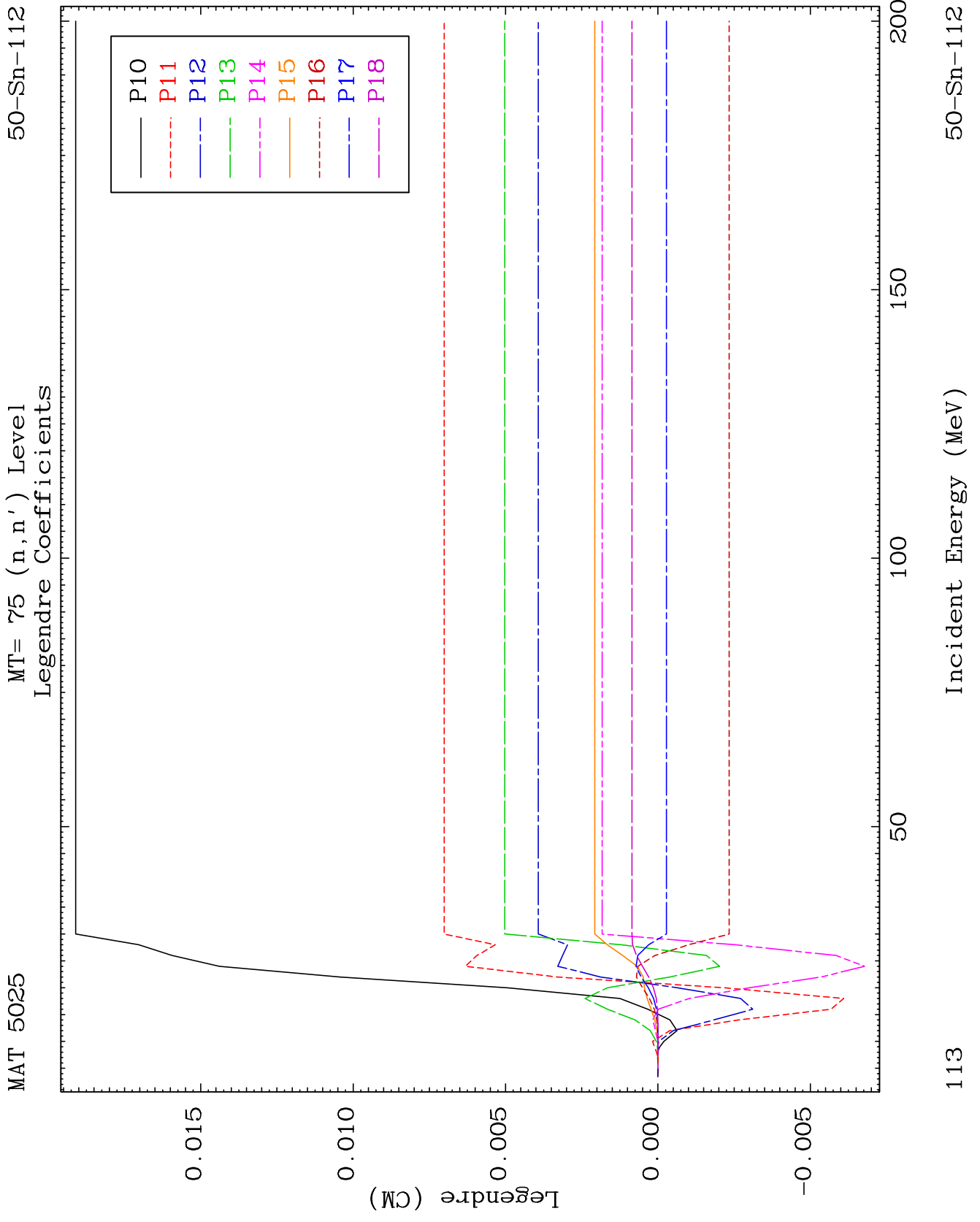
Incident Energy (MeV)

50-Sn-112





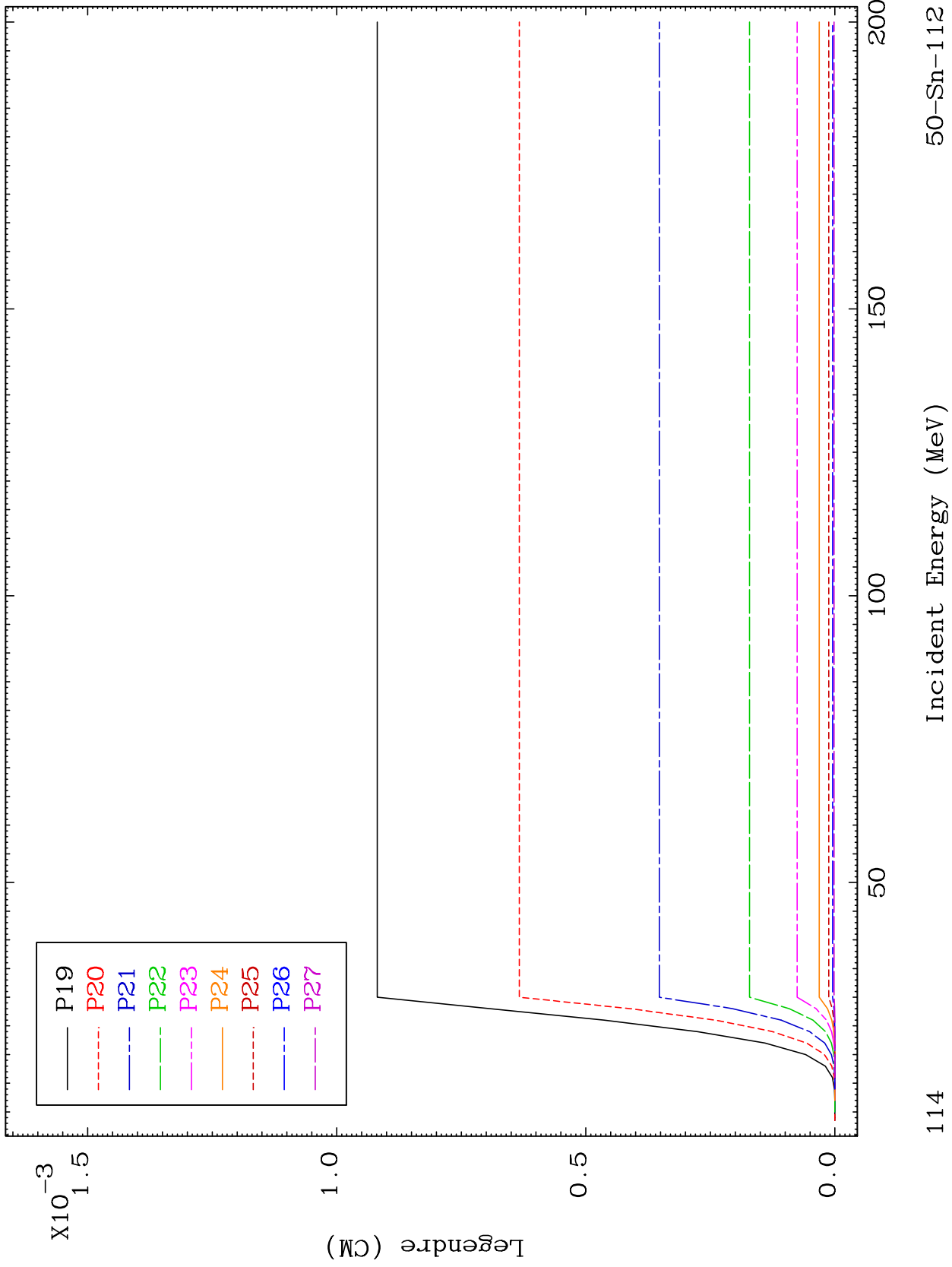




MAT 5025

MT= 75 (n,n') Level
Legendre Coefficients

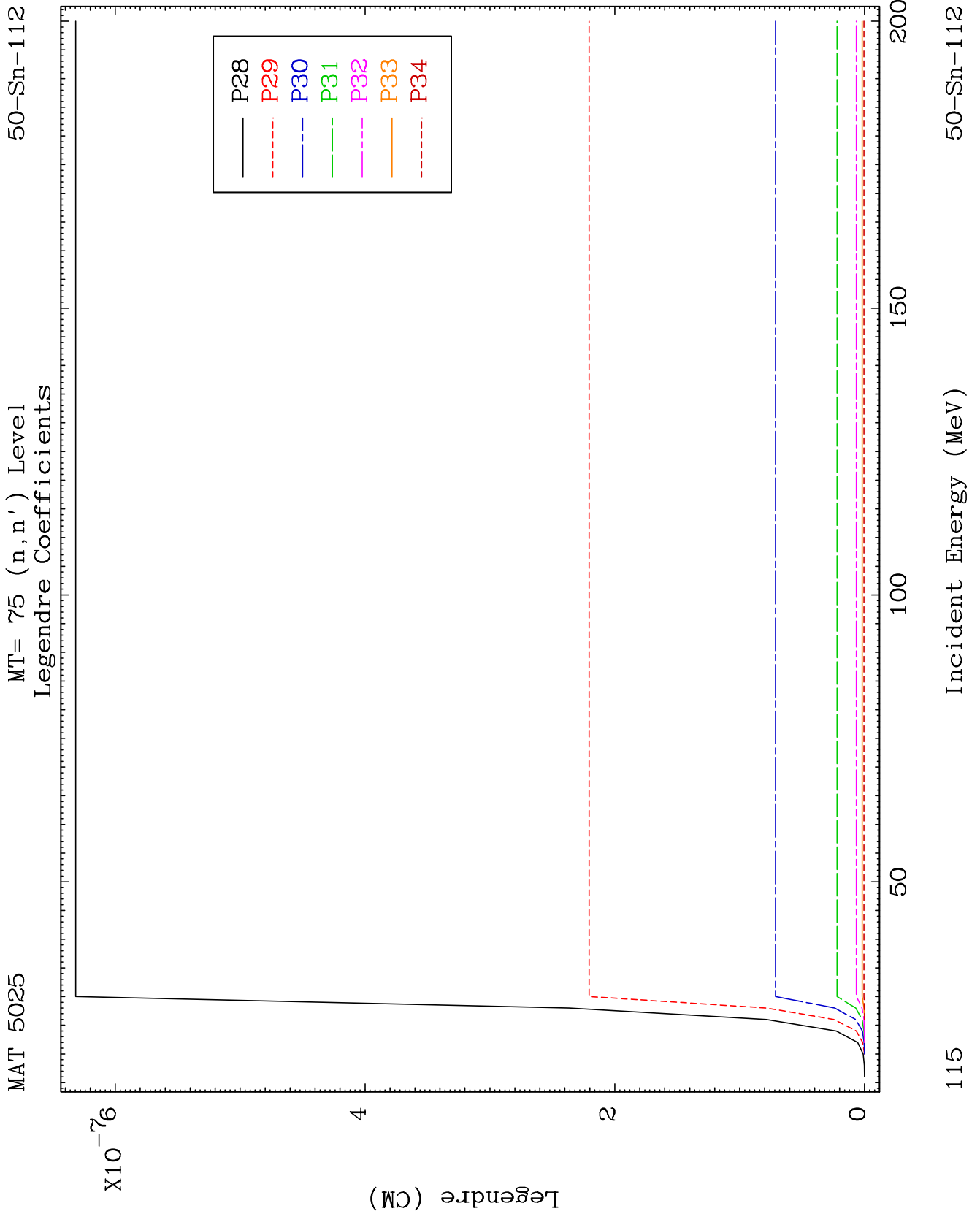
50-Sn-112

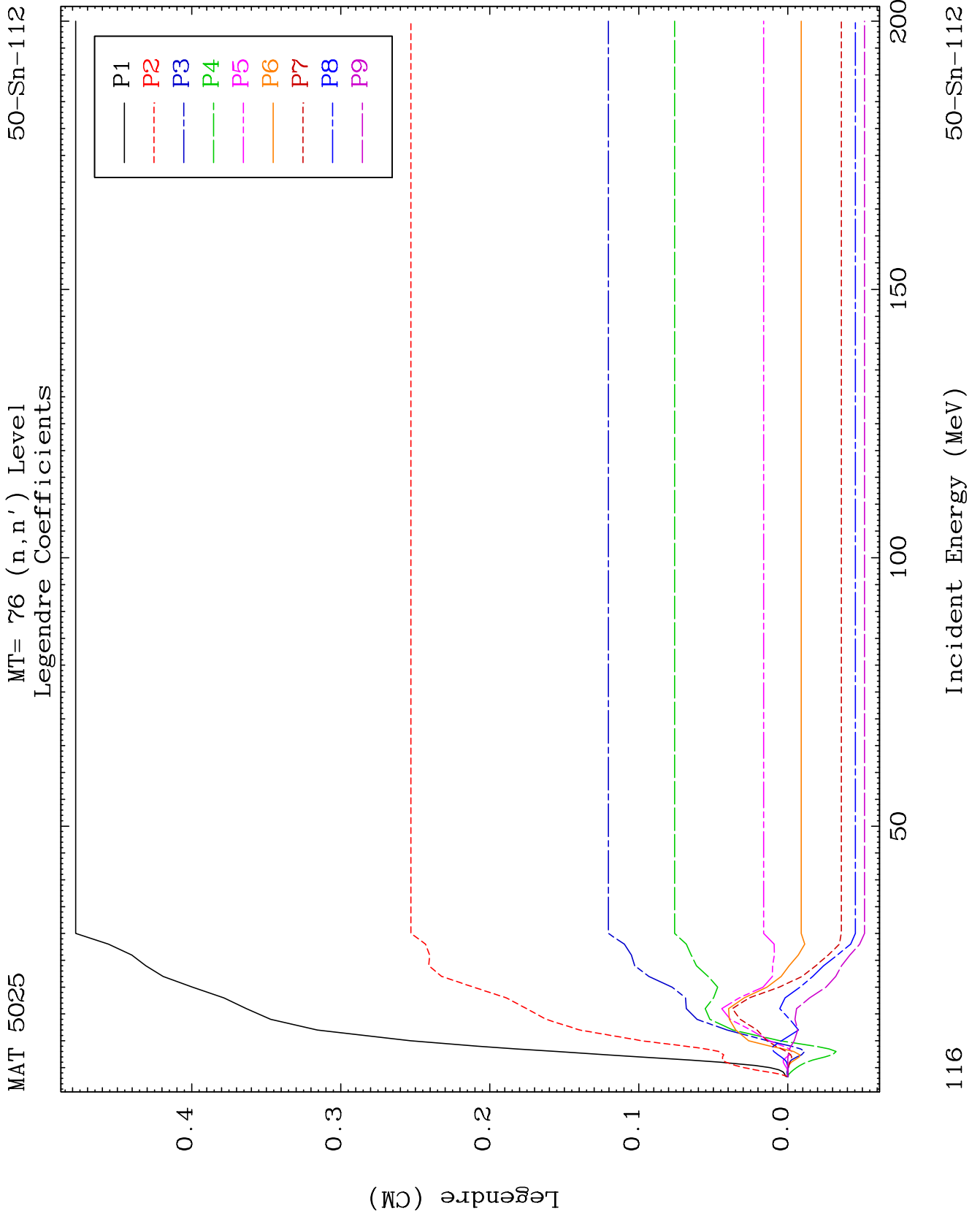


114

Incident Energy (MeV)

50-Sn-112

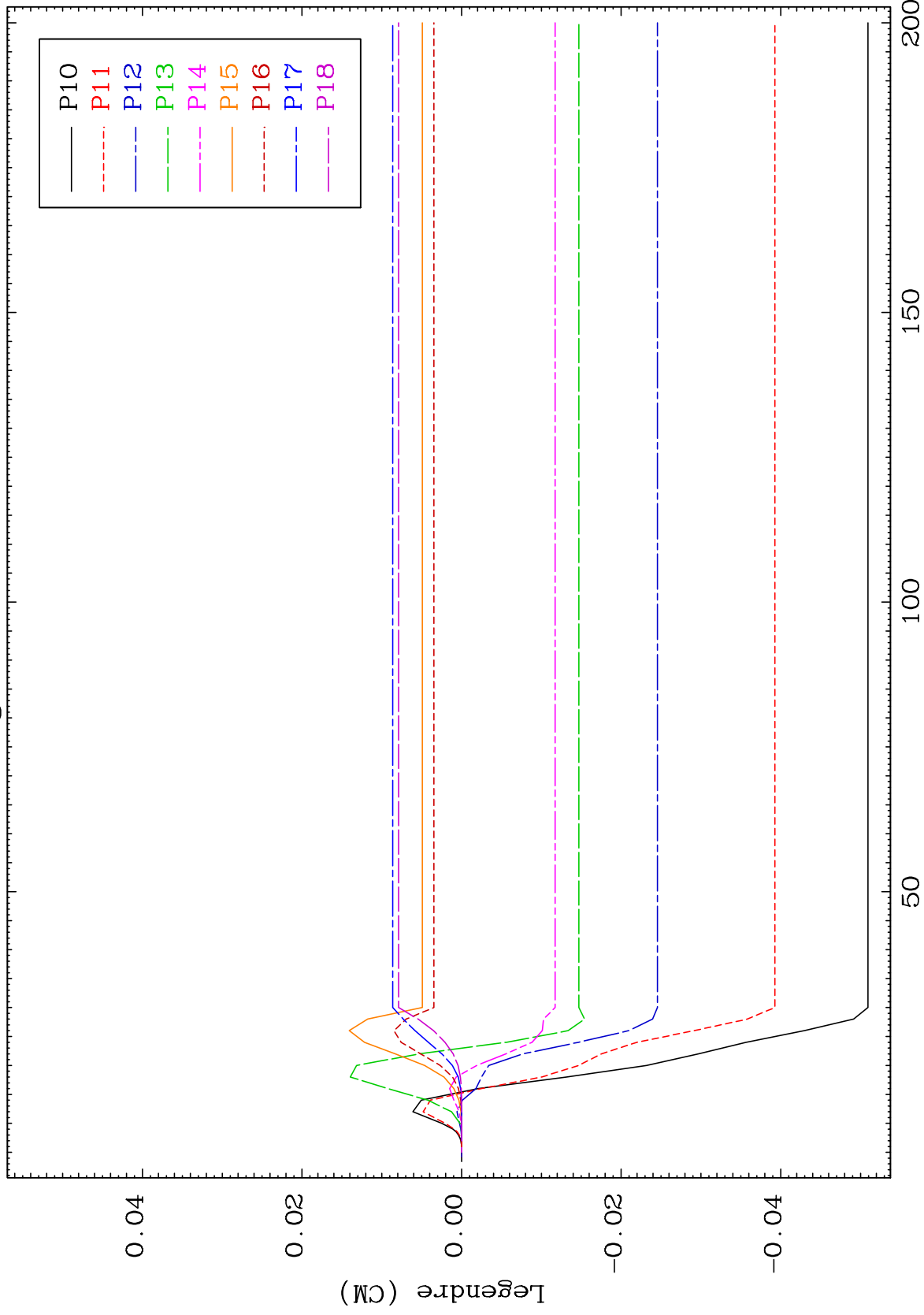




MAT 5025

MT= 76 (n,n') Level
Legendre Coefficients

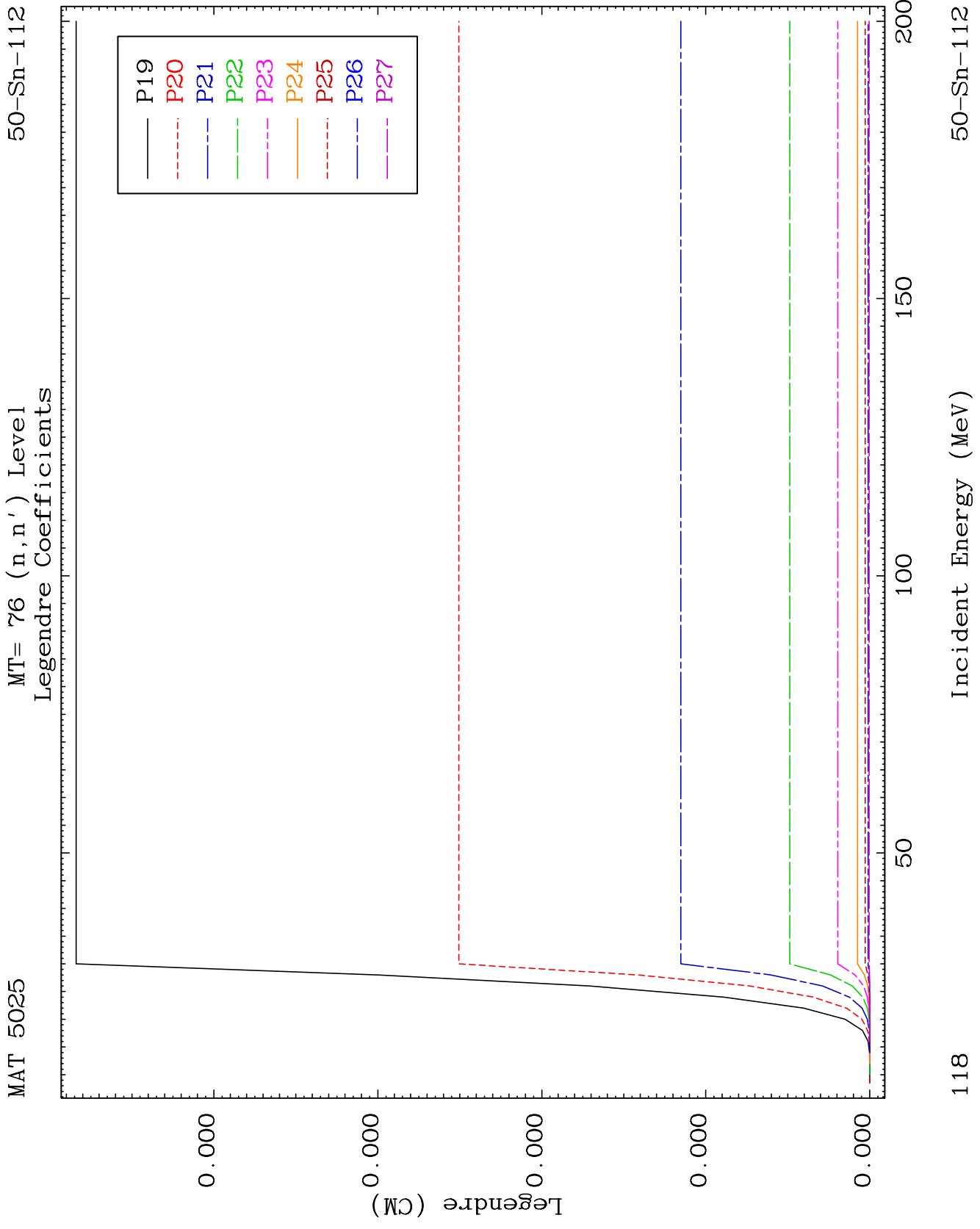
50-Sn-112

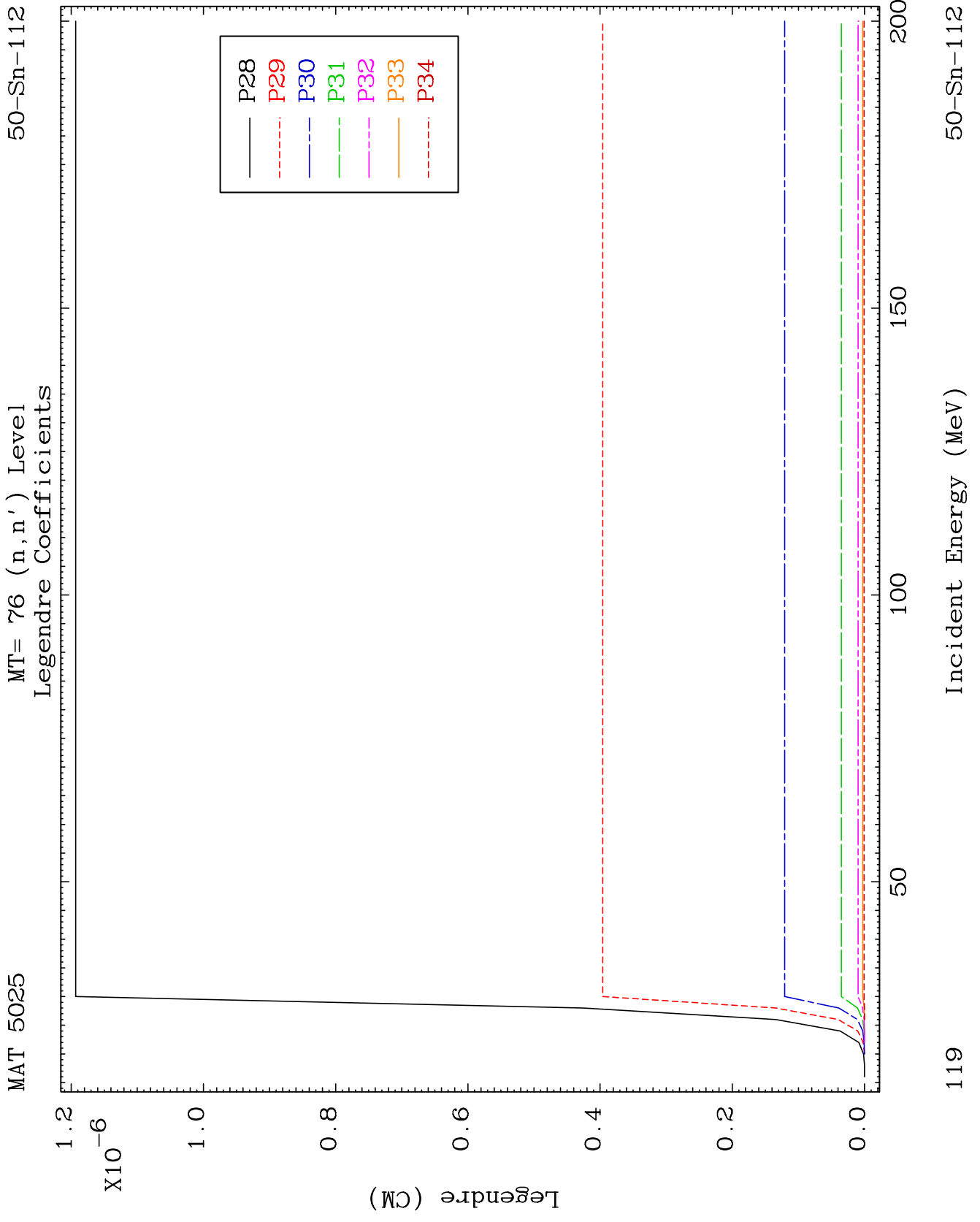


117

Incident Energy (MeV)

50-Sn-112

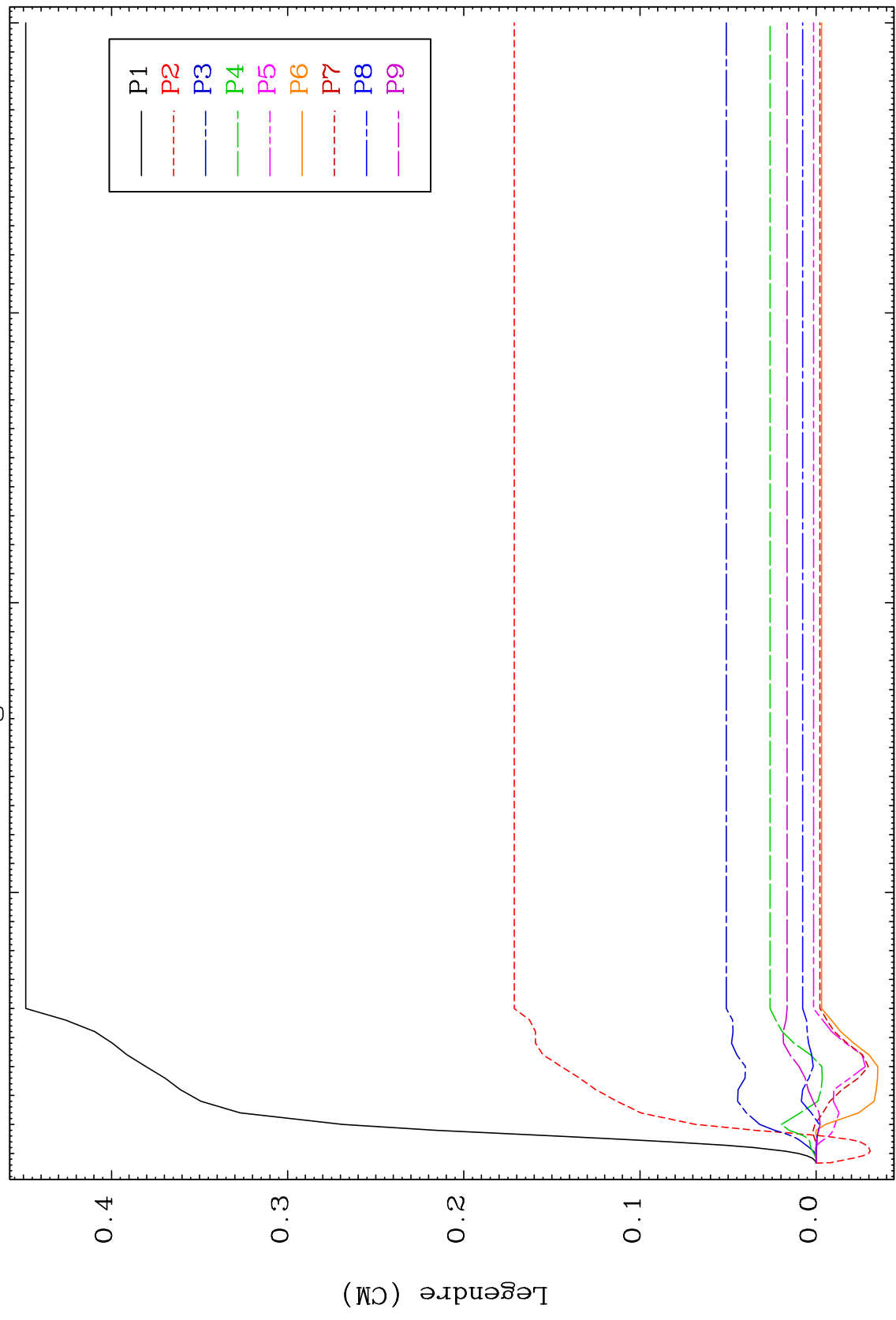




MAT 5025

MT= 77 (n,n') Level
Legendre Coefficients

50-Sn-112



120

50

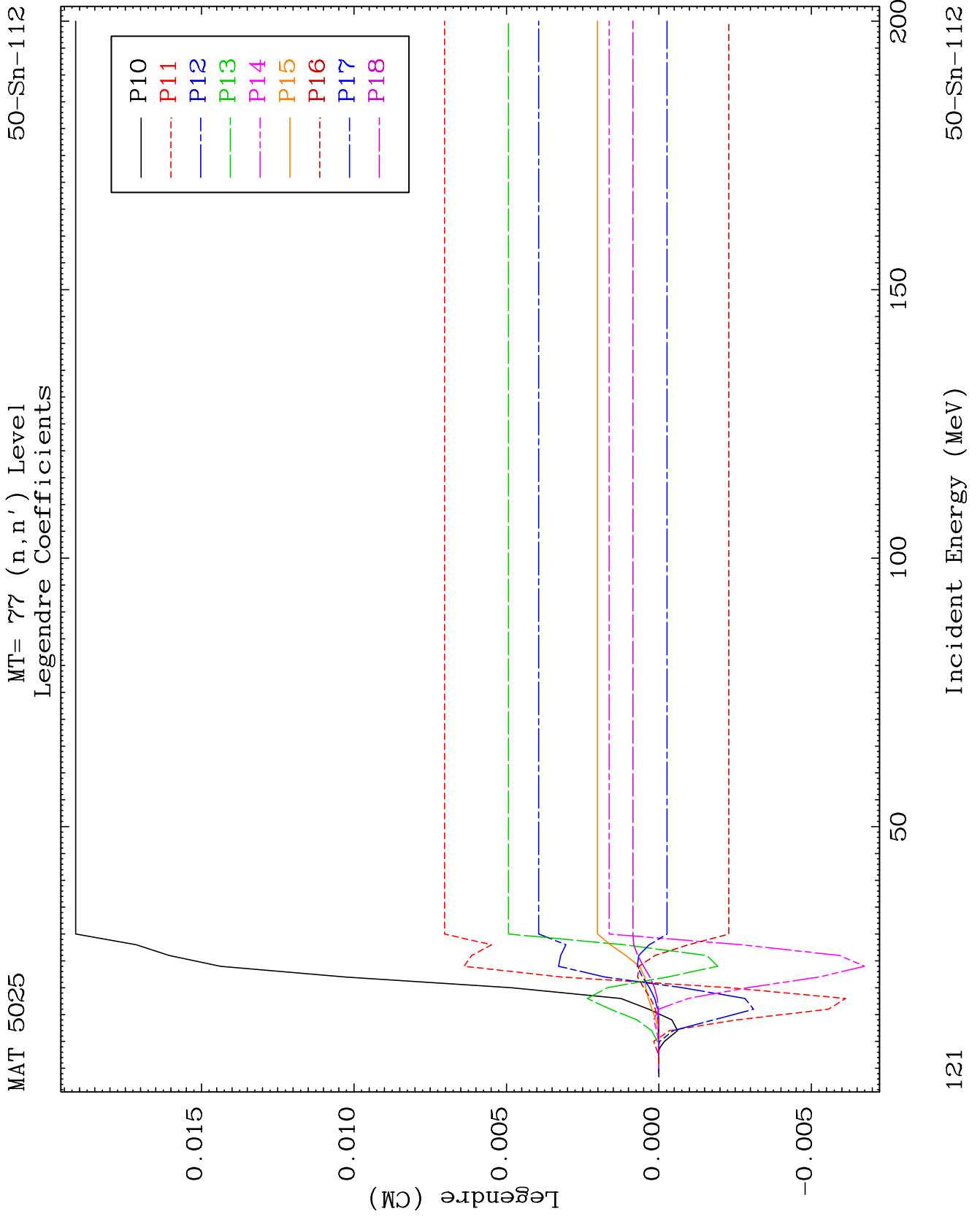
100

150

200

Incident Energy (MeV)

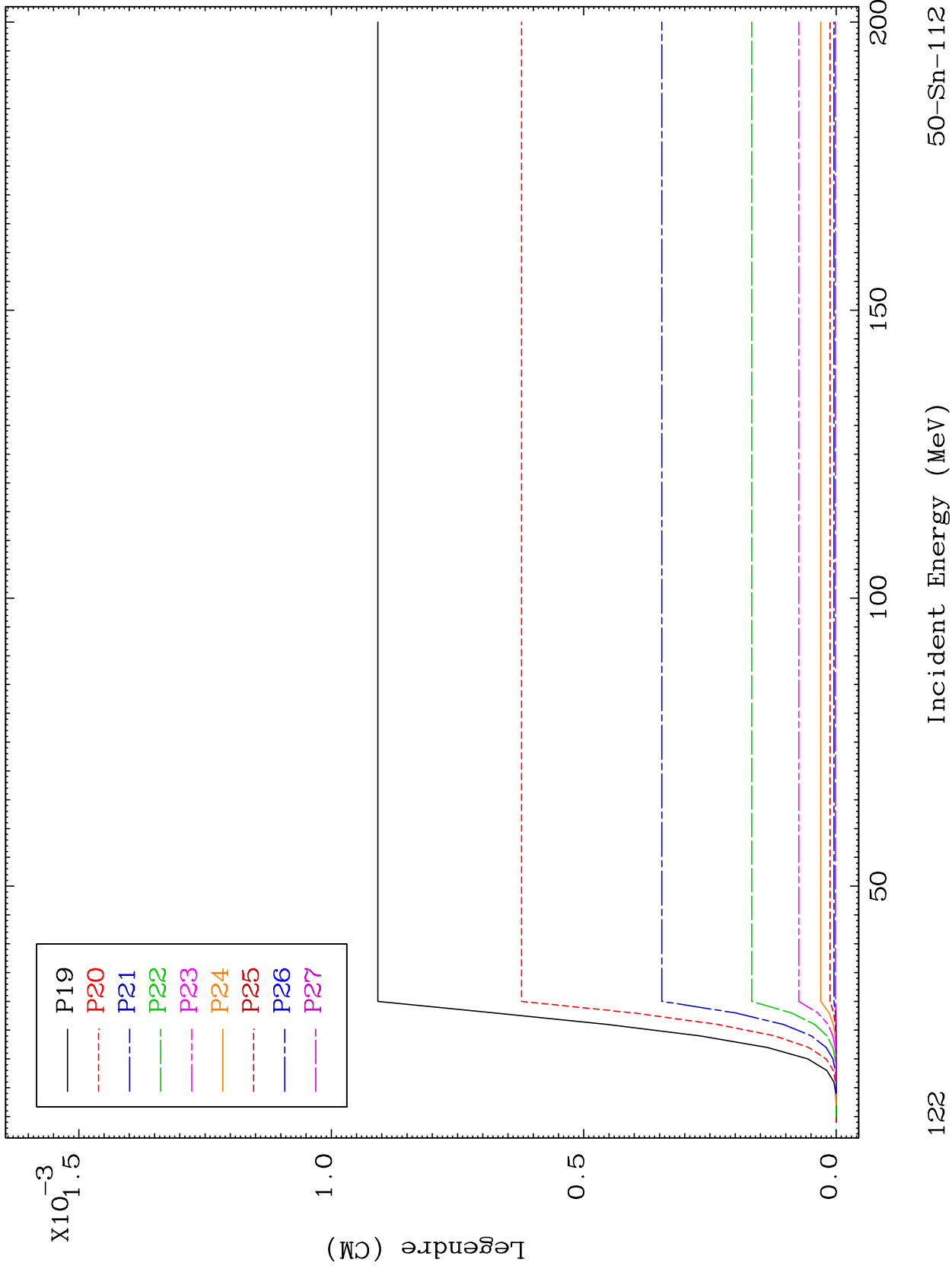
50-Sn-112



MAT 5025

MT= 77 (n,n') Level
Legendre Coefficients

50-Sn-112

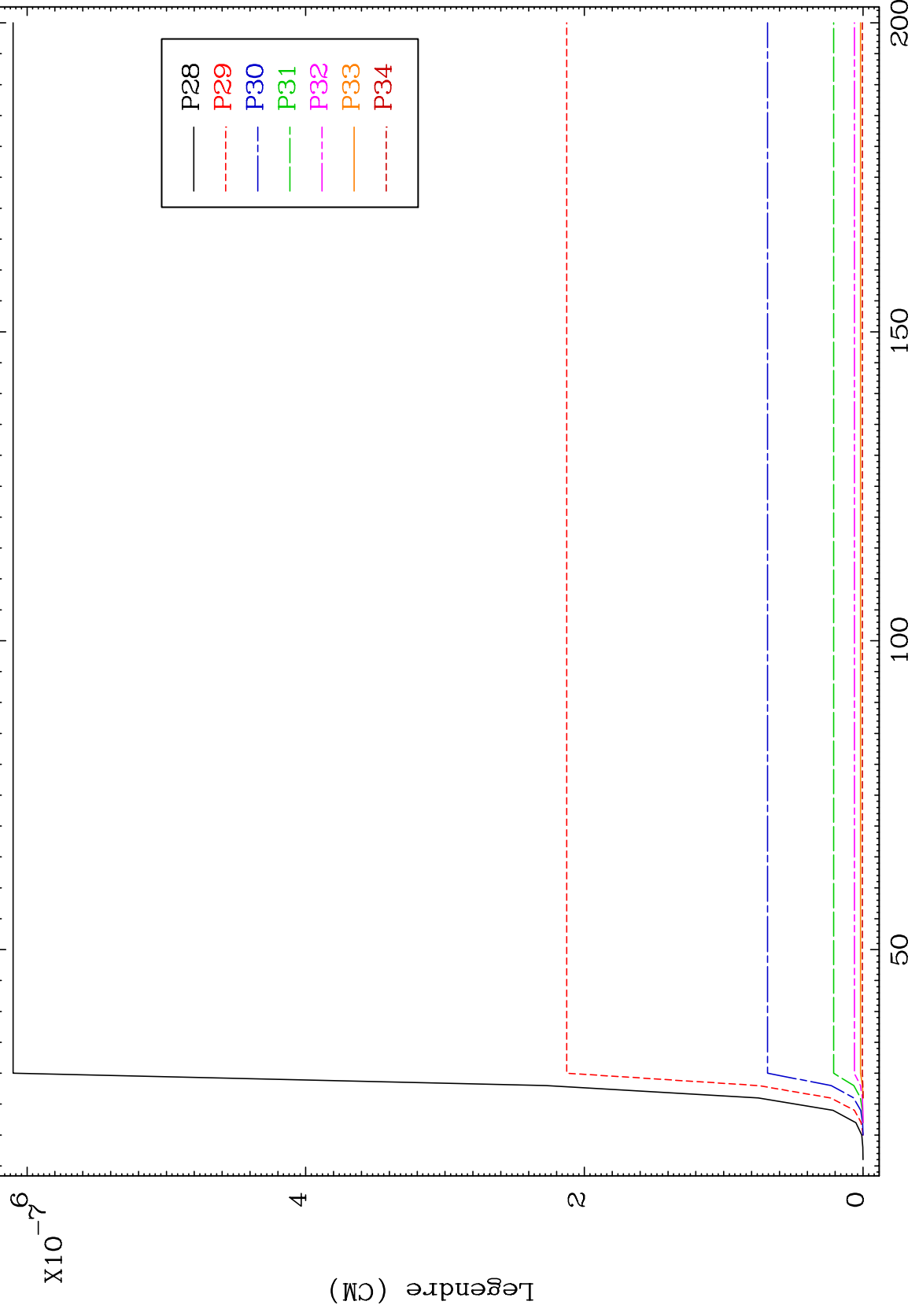


122

MAT 5025

MT= 77 (n,n') Level
Legendre Coefficients

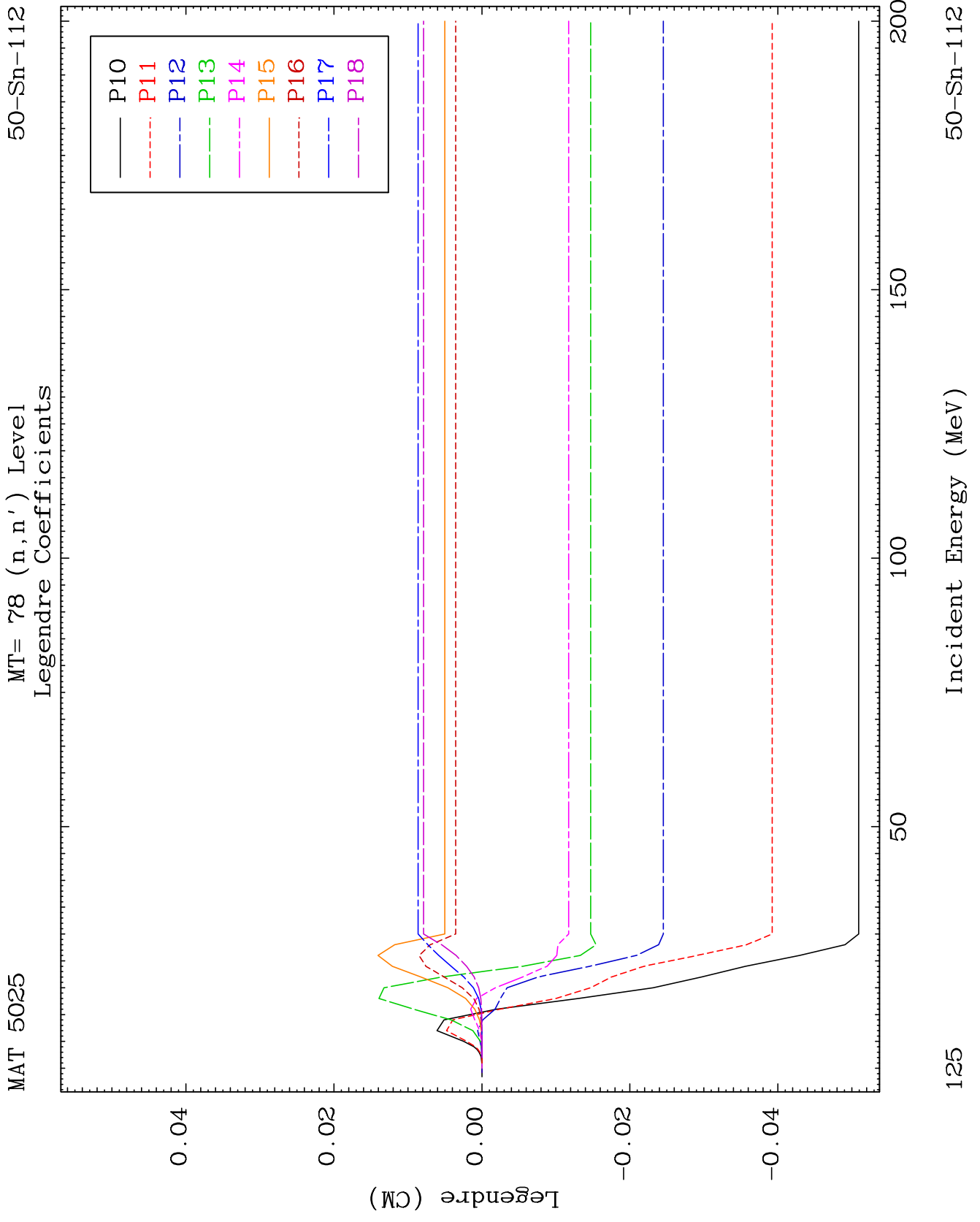
50-Sn-112

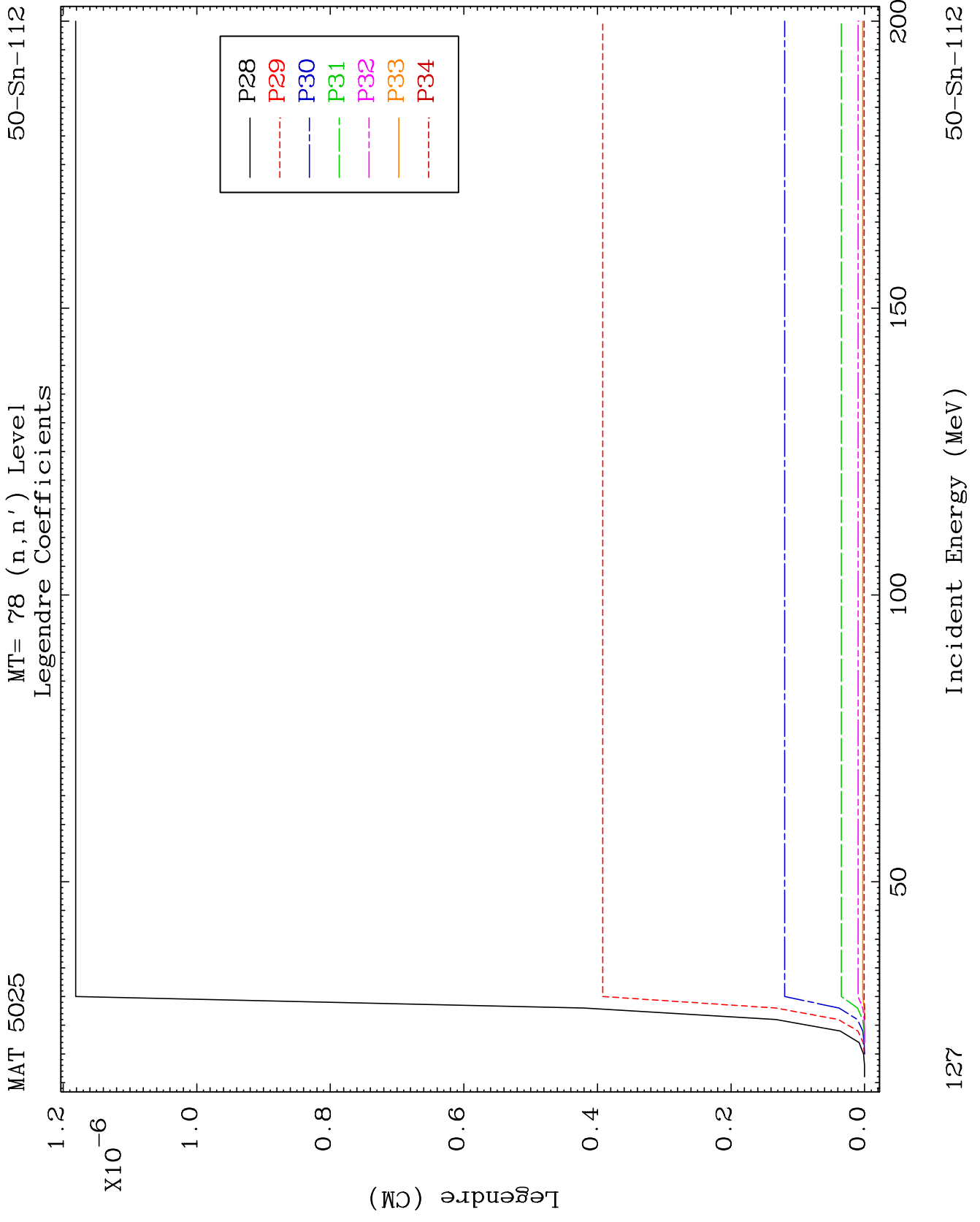


123

Incident Energy (MeV)

50-Sn-112

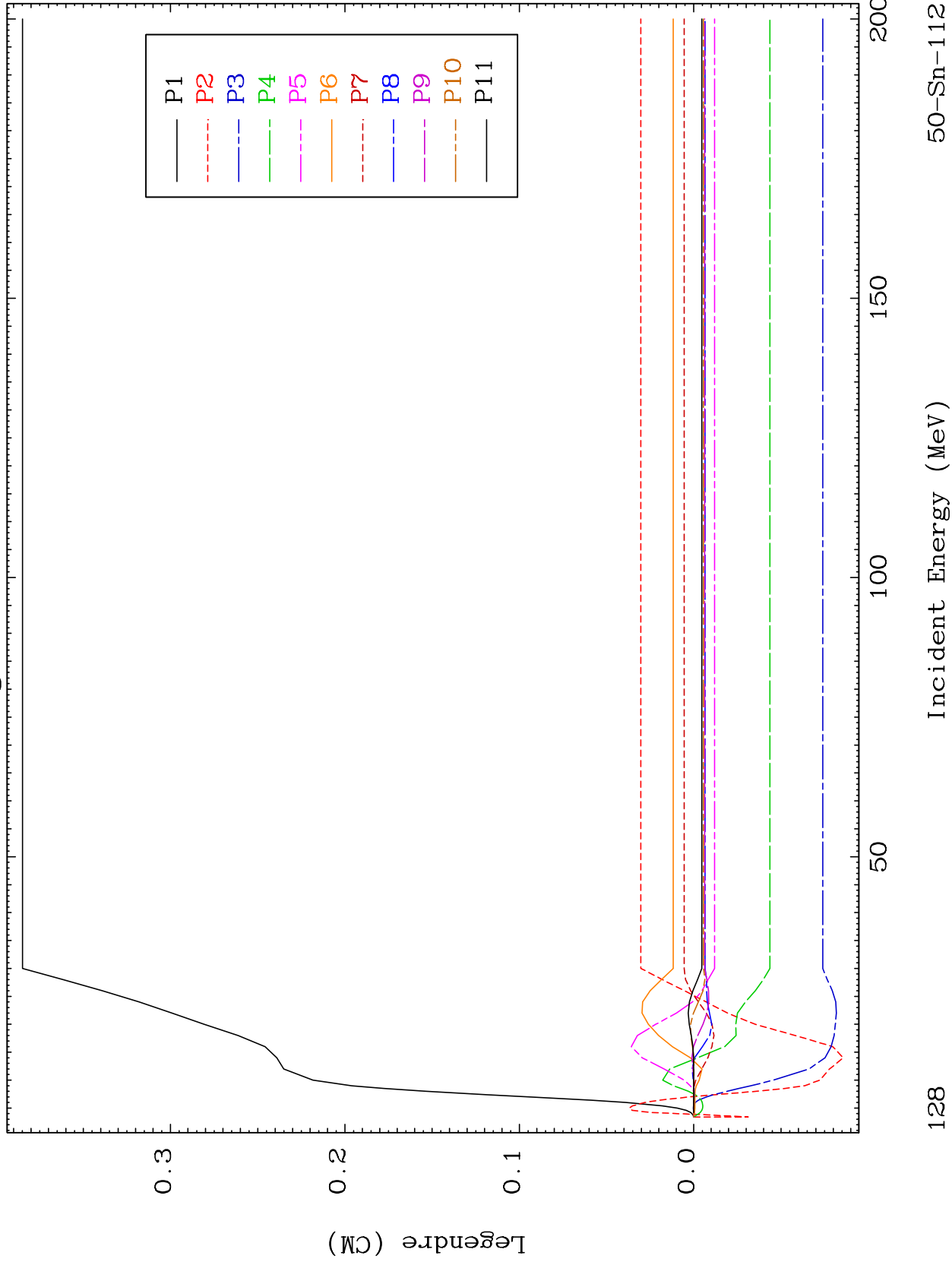




MAT 5025

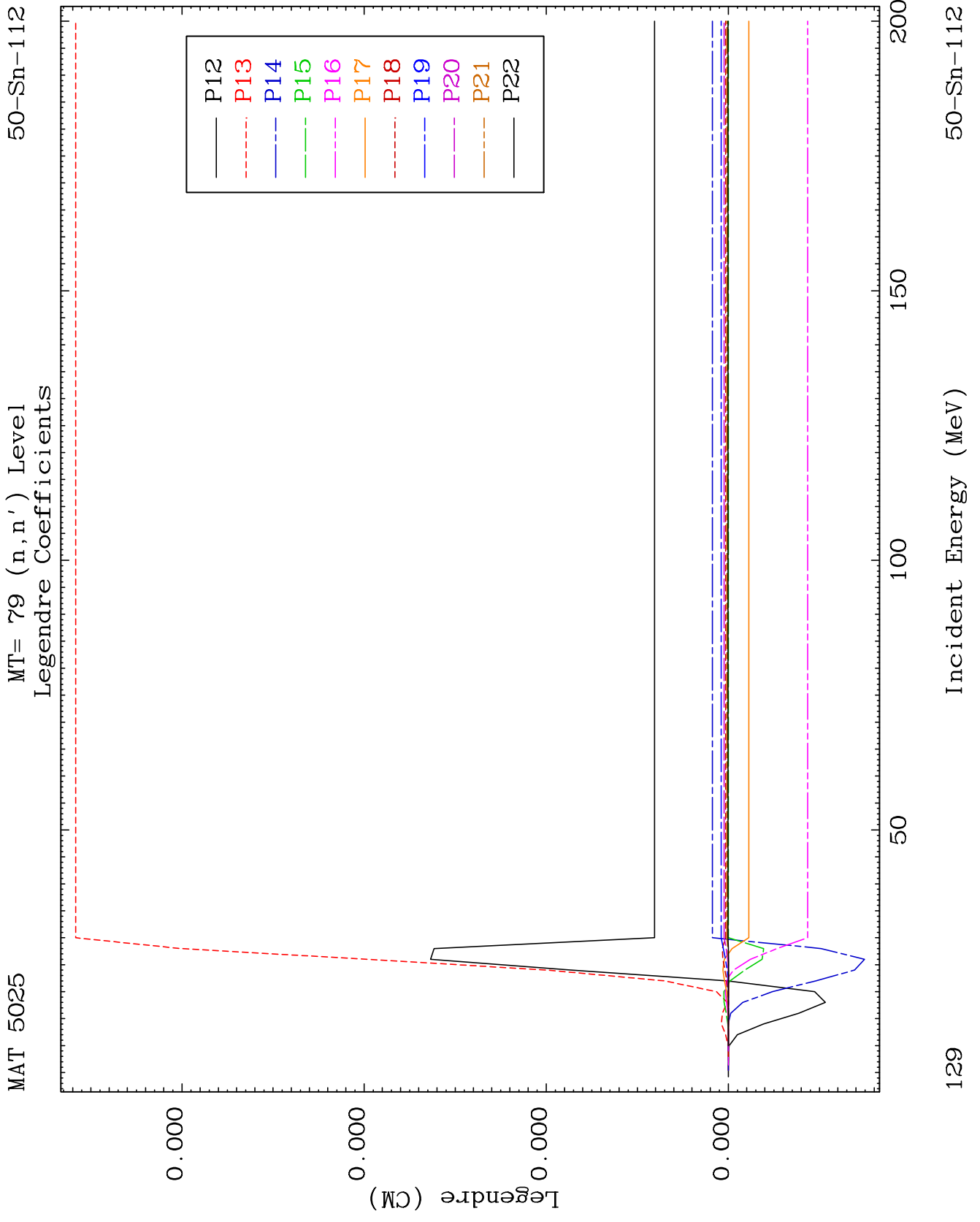
MT= 79 (n,n') Level
Legendre Coefficients

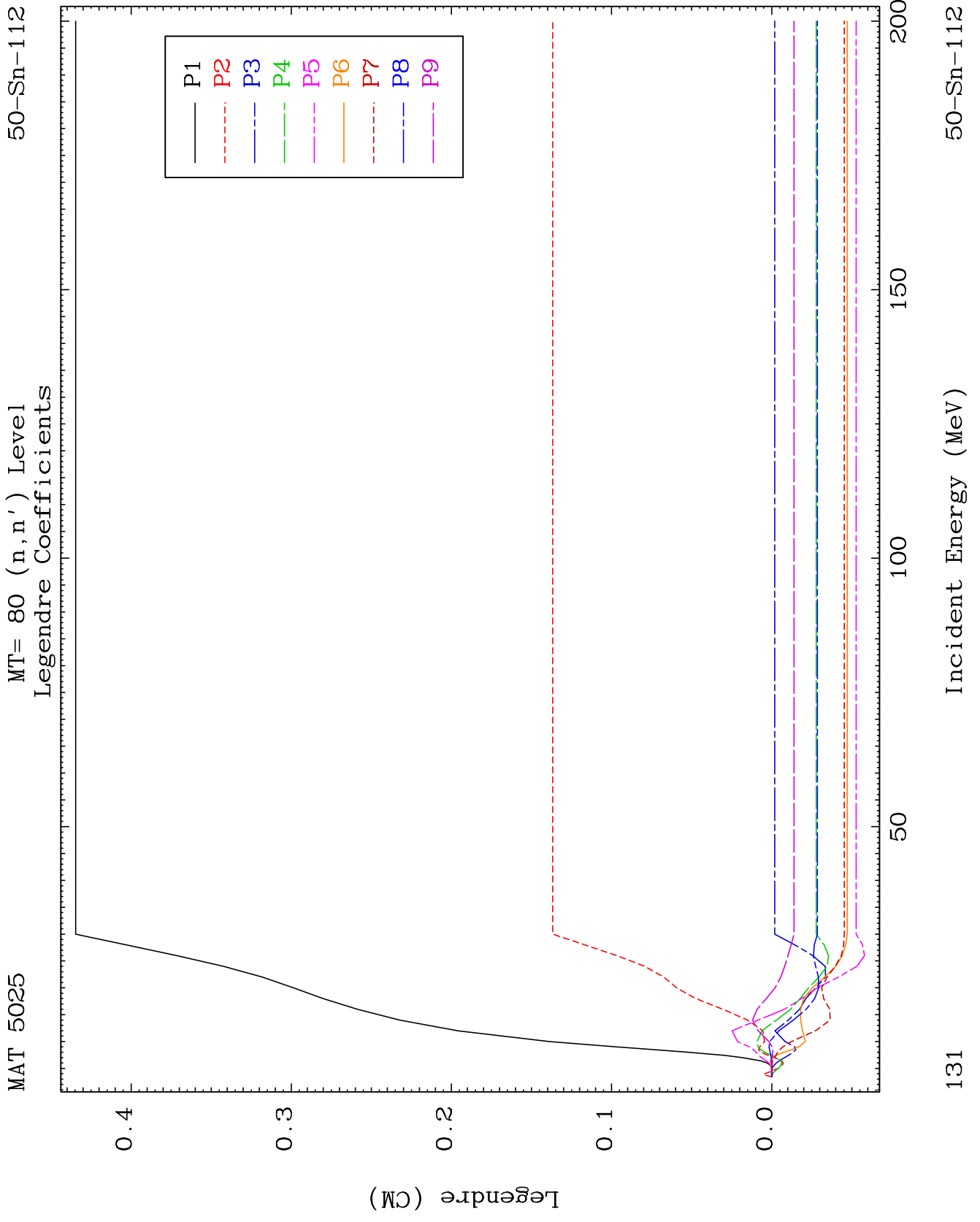
50-Sn-112

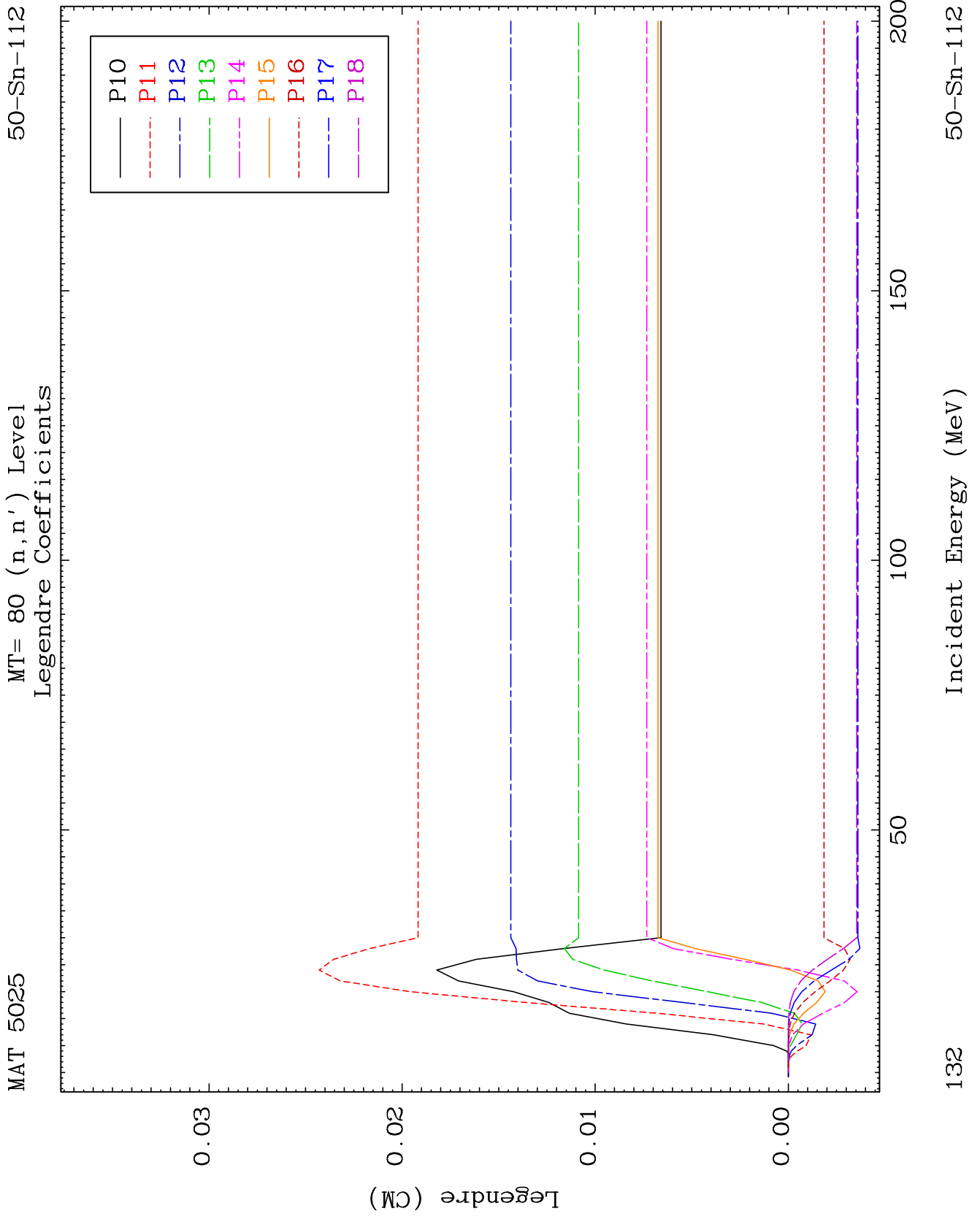


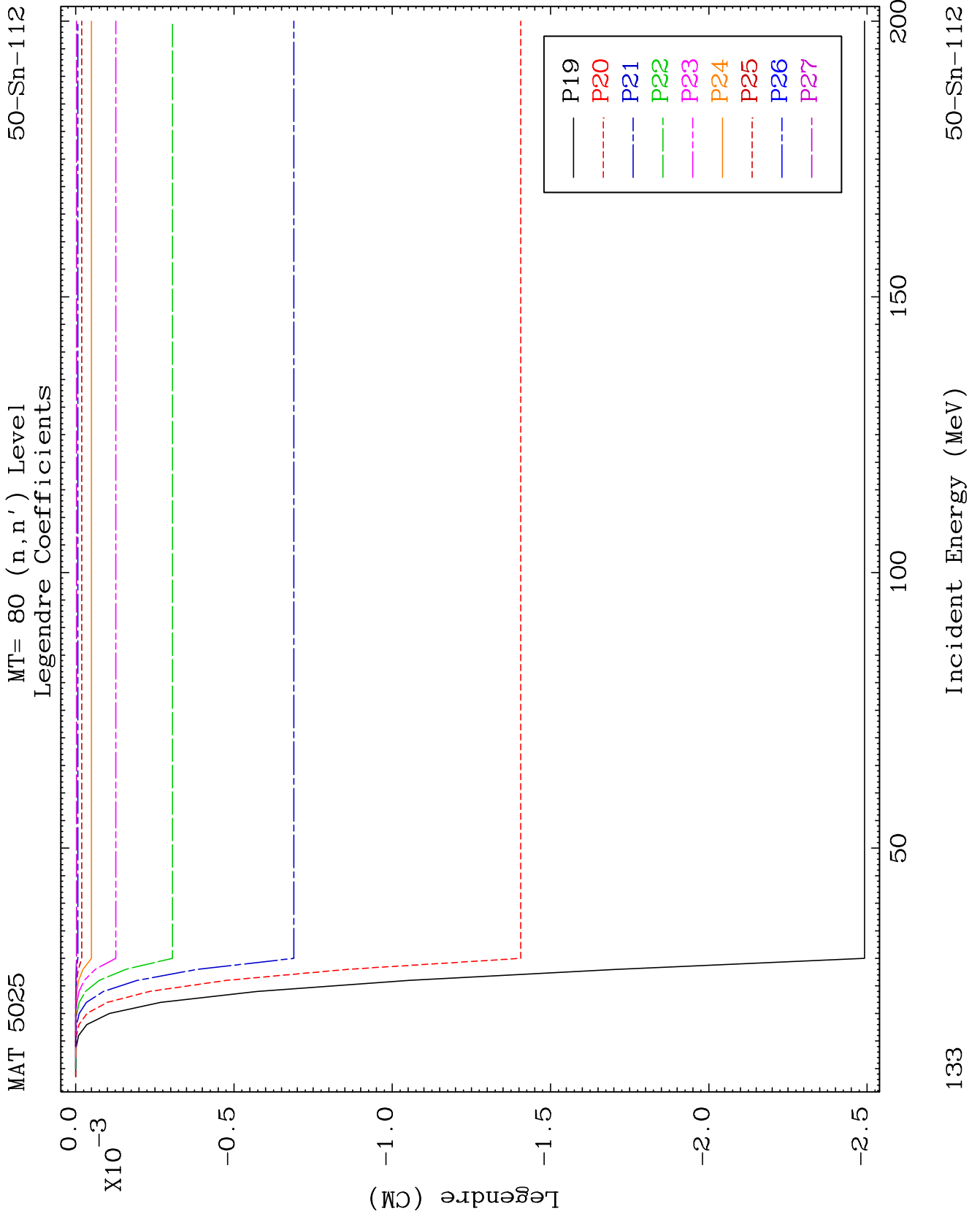
128

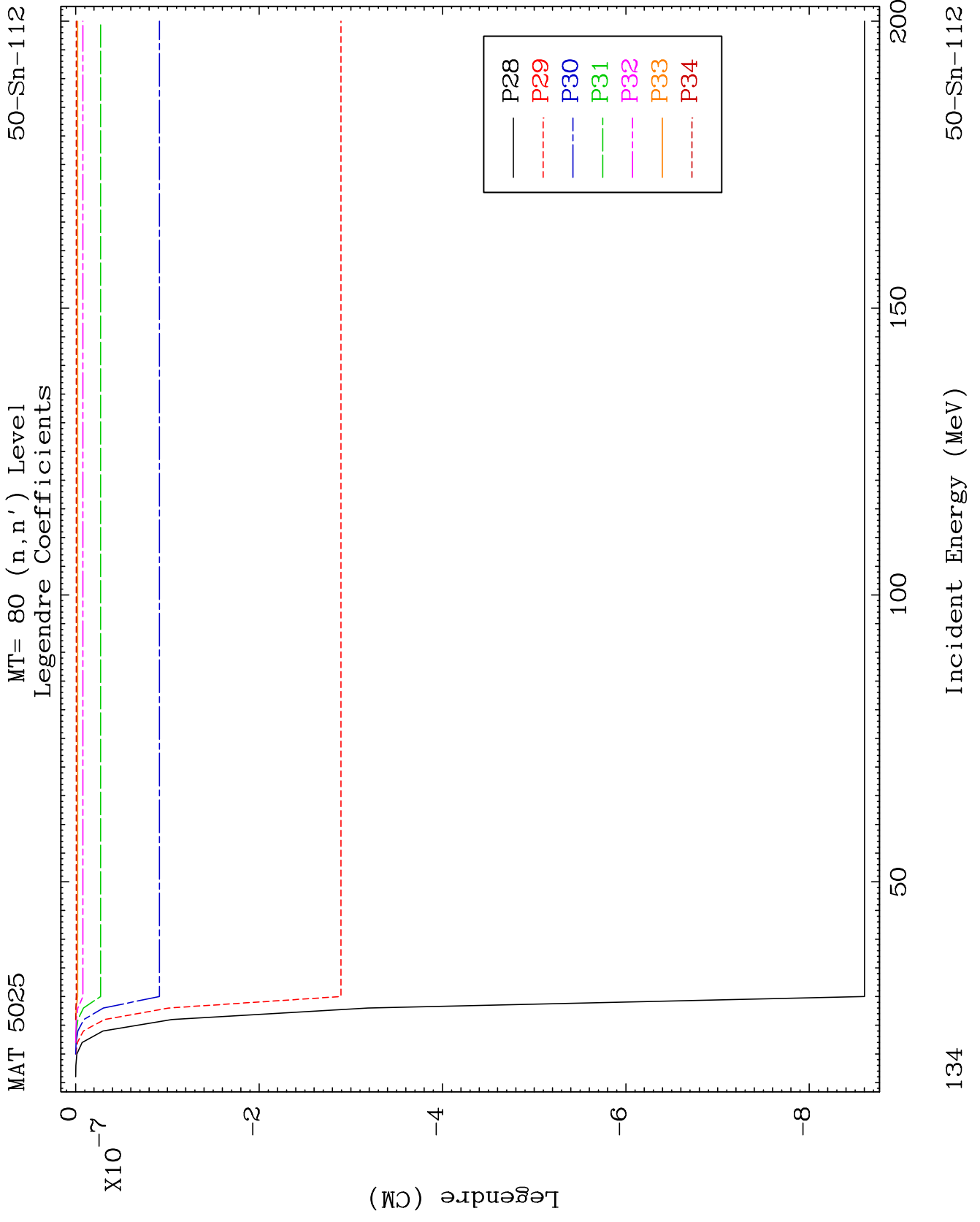
50-Sn-112



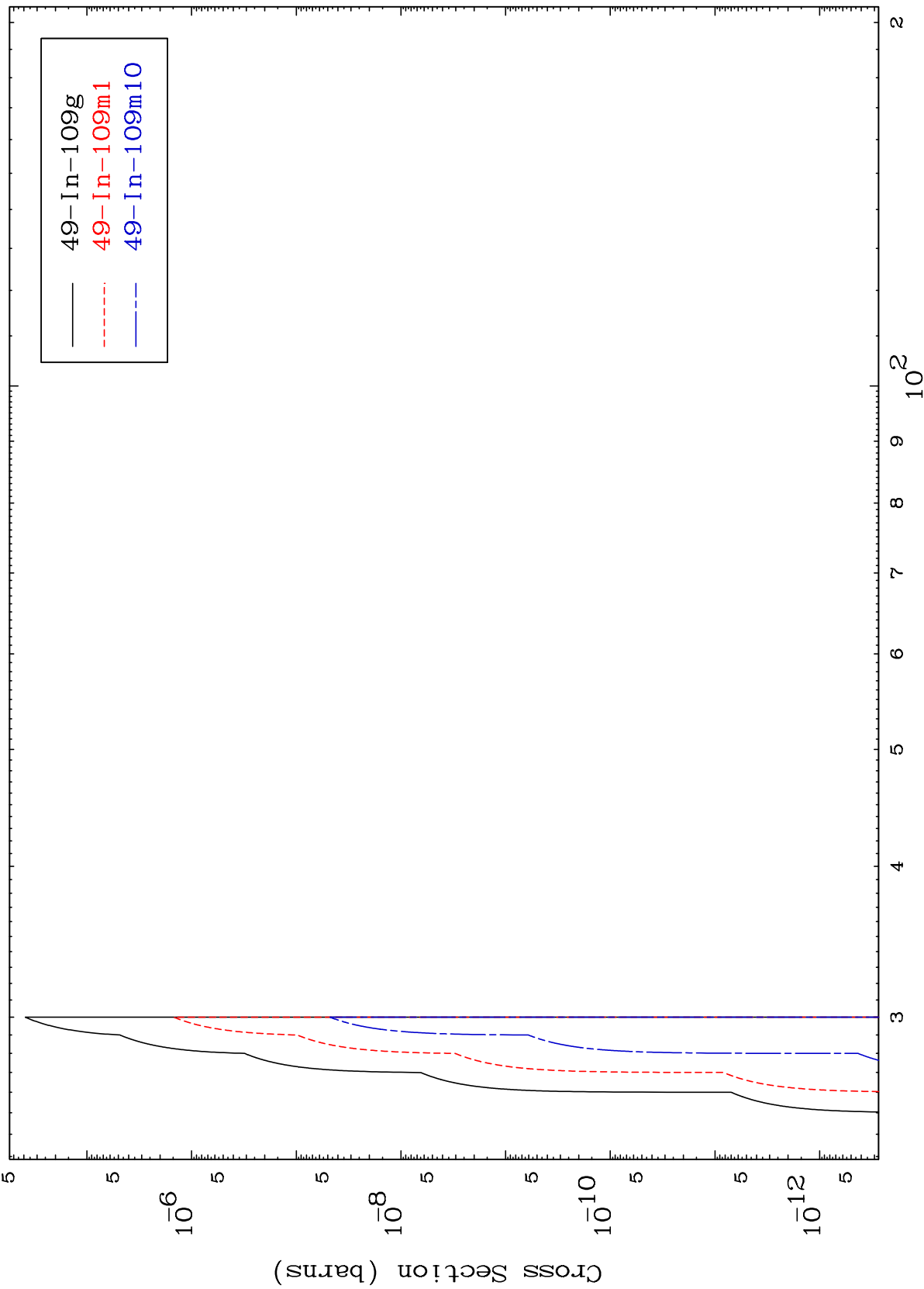








Radionuclide Production Cross Section

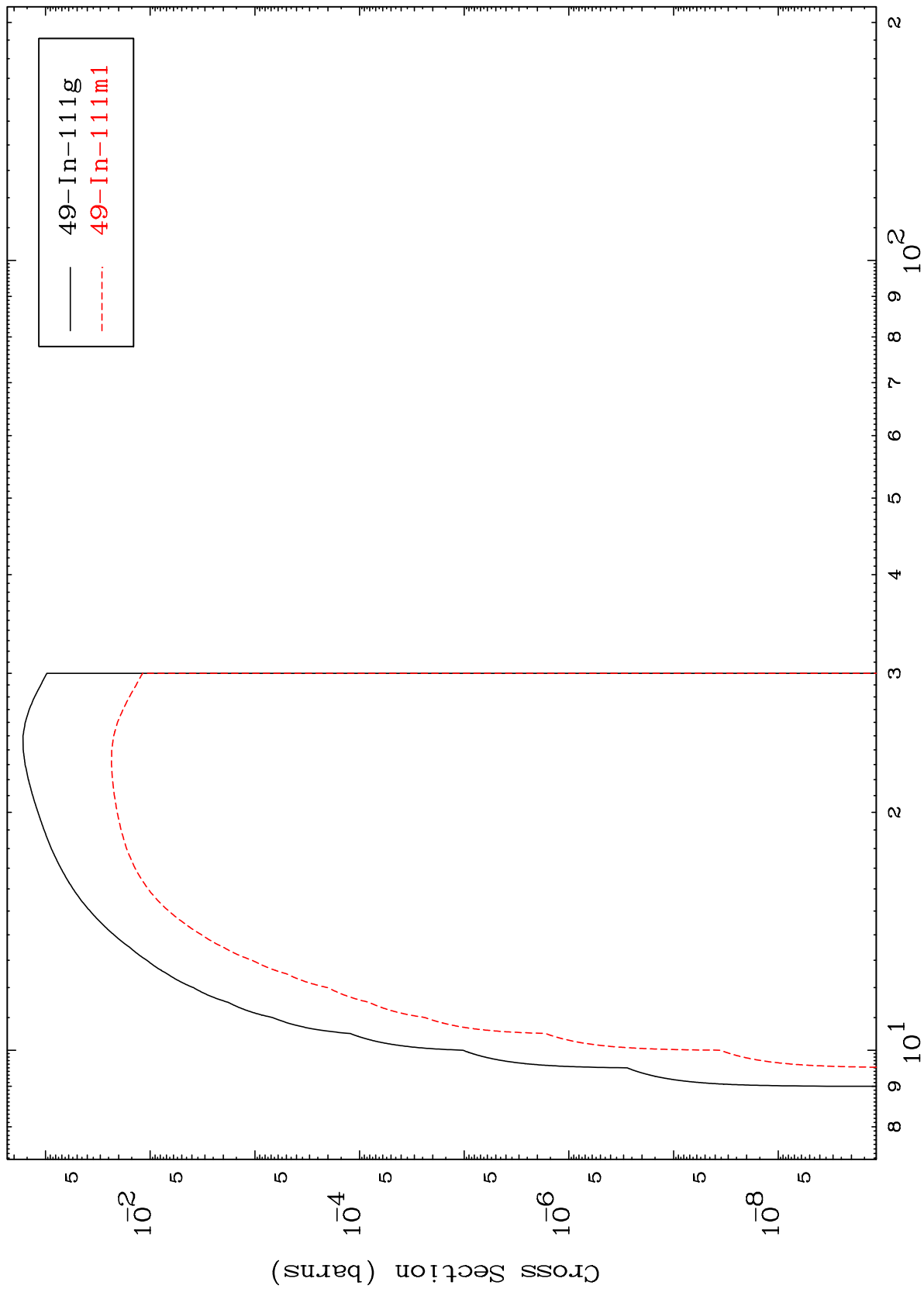


MAT 5025

(n,n') p

50-Sn-112

Radionuclide Production Cross Section



136

Incident Energy (MeV)

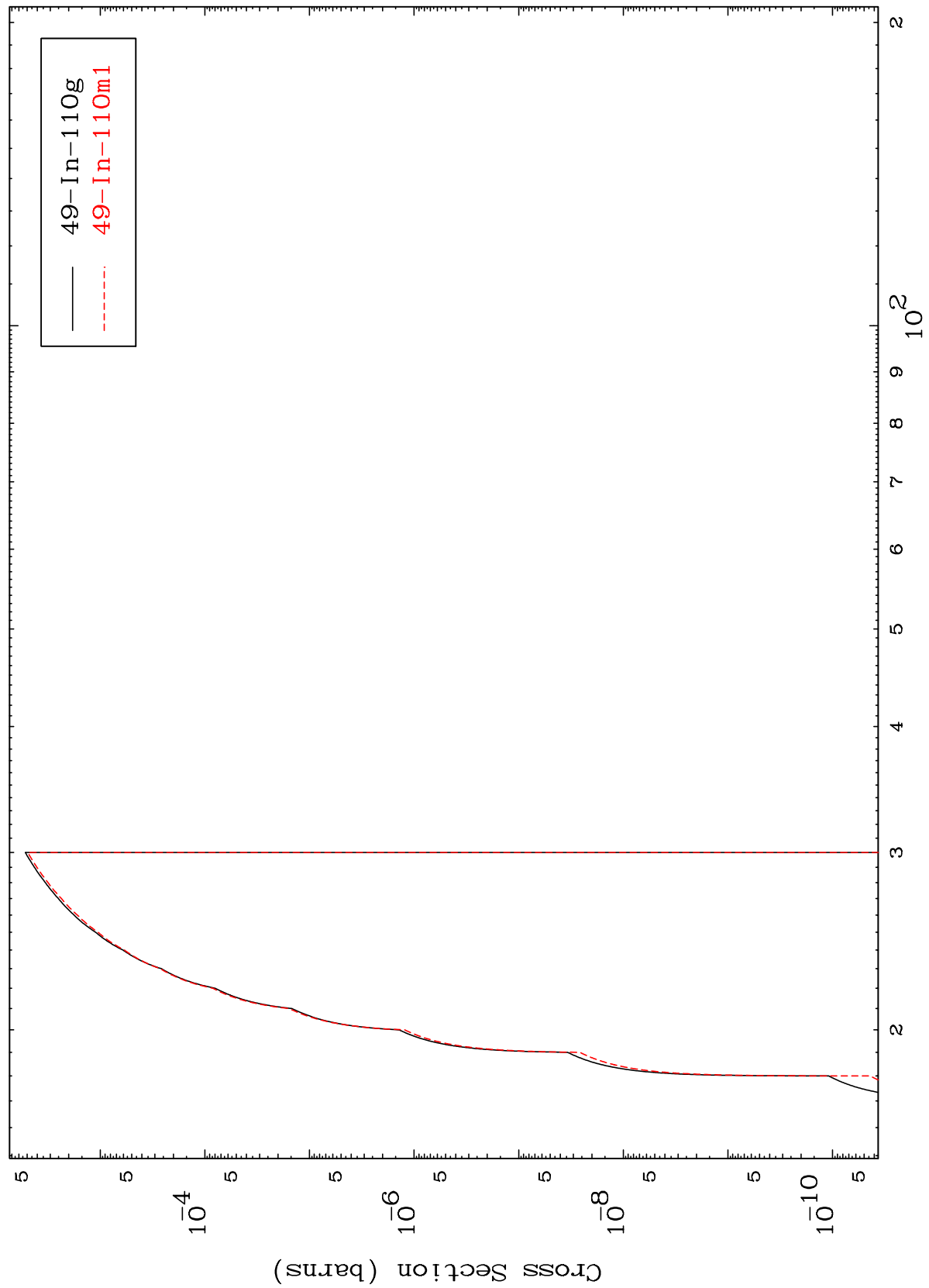
50-Sn-112

MAT 5025

(n,n') d

50-Sn-112

Radionuclide Production Cross Section

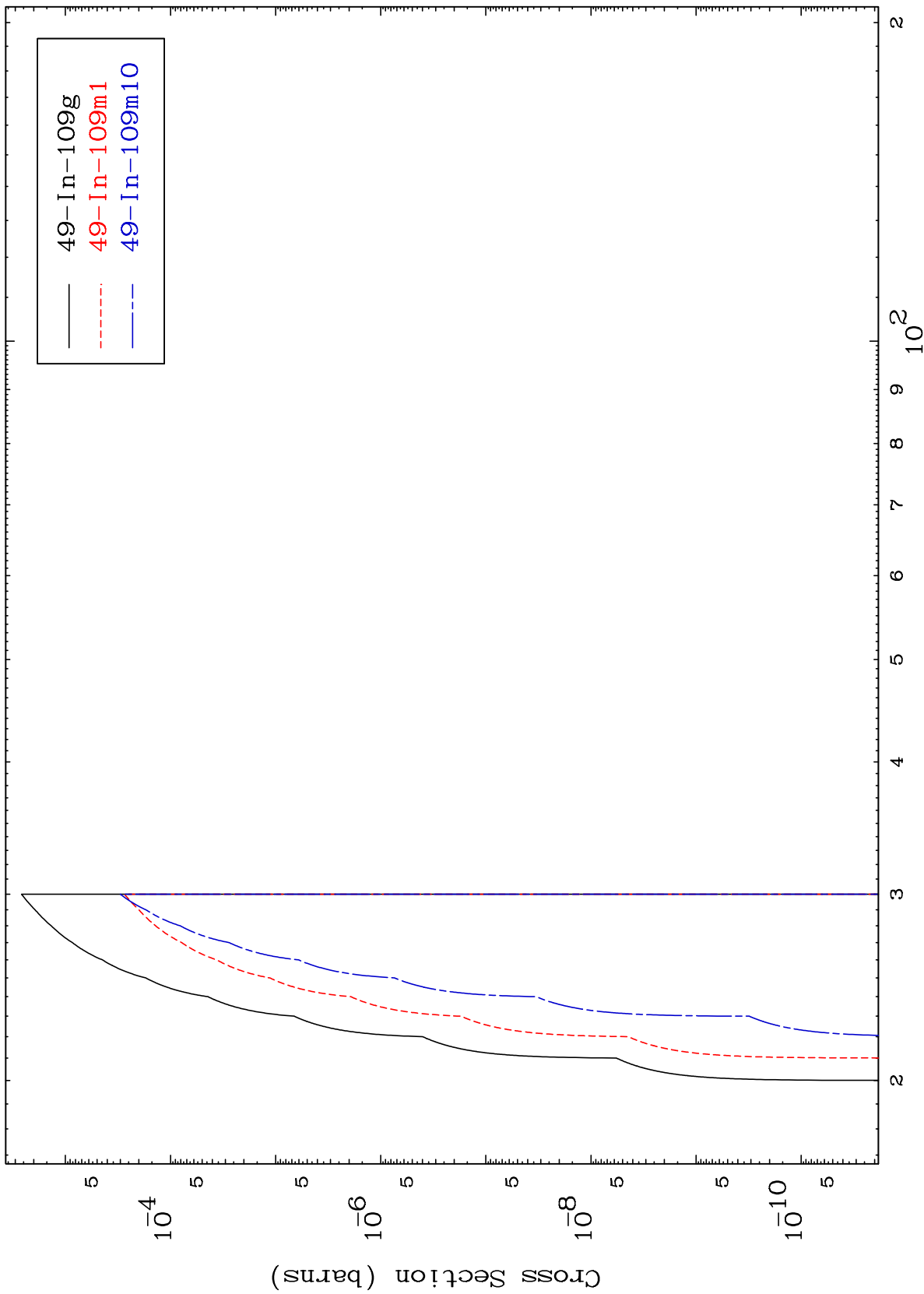


137

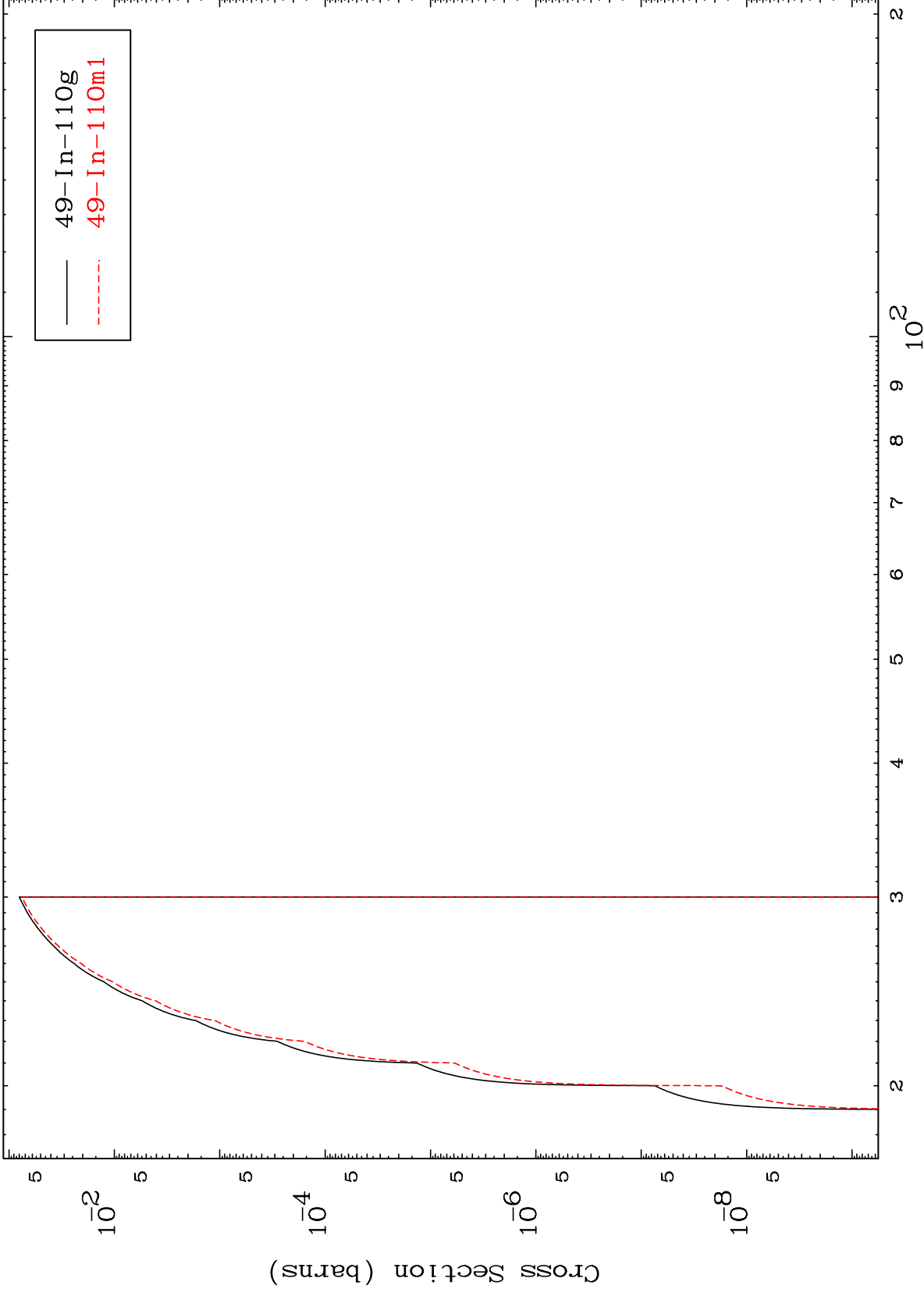
Incident Energy (MeV)

50-Sn-112

Radionuclide Production Cross Section



Radionuclide Production Cross Section

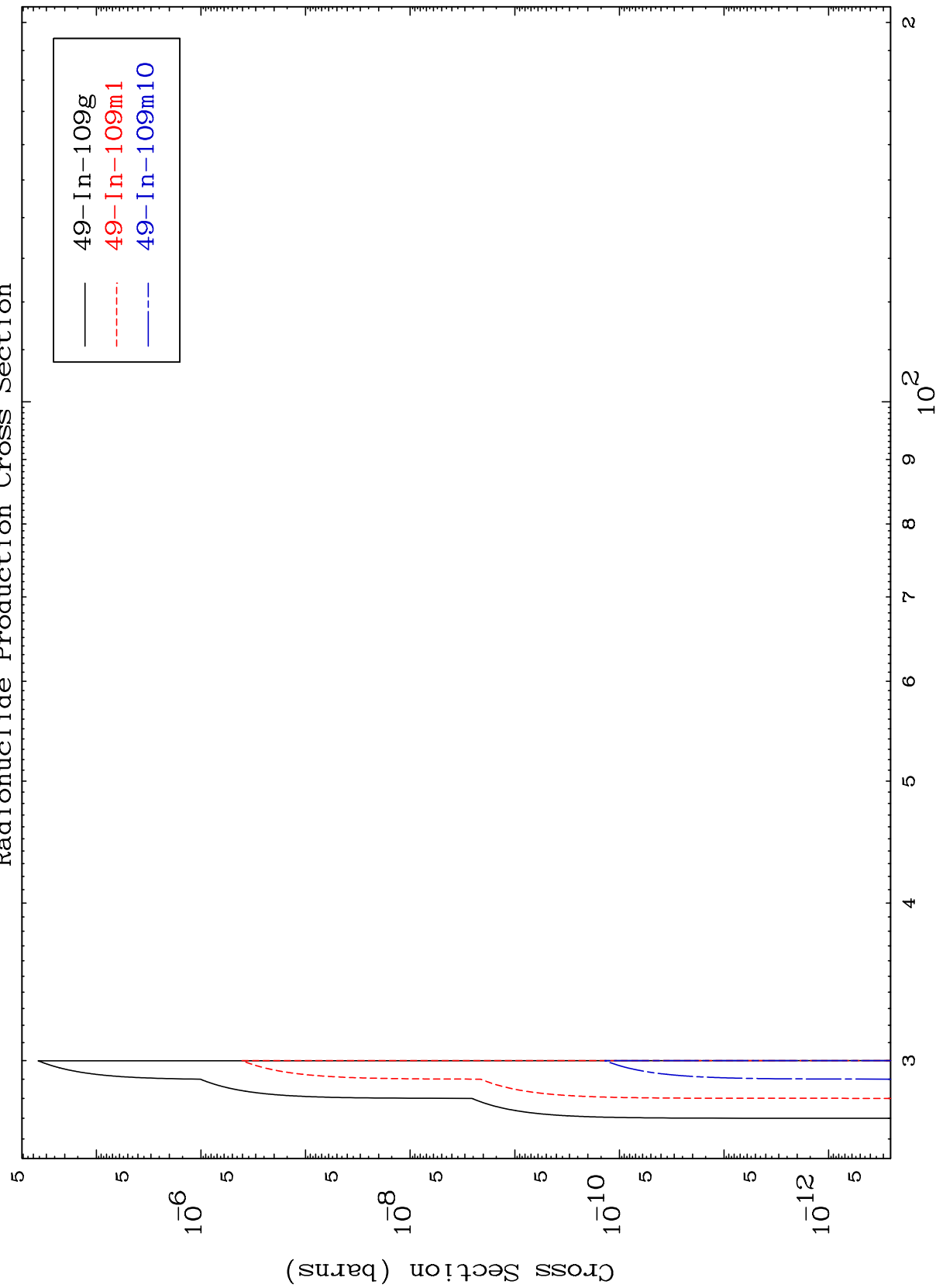


— 49-In-110g
- - - 49-In-110m1

MAT 5025

50-Sn-112

(n,3n) p
Radionuclide Production Cross Section



49-In-109g
49-In-109m1
49-In-109m10

140

Incident Energy (MeV)

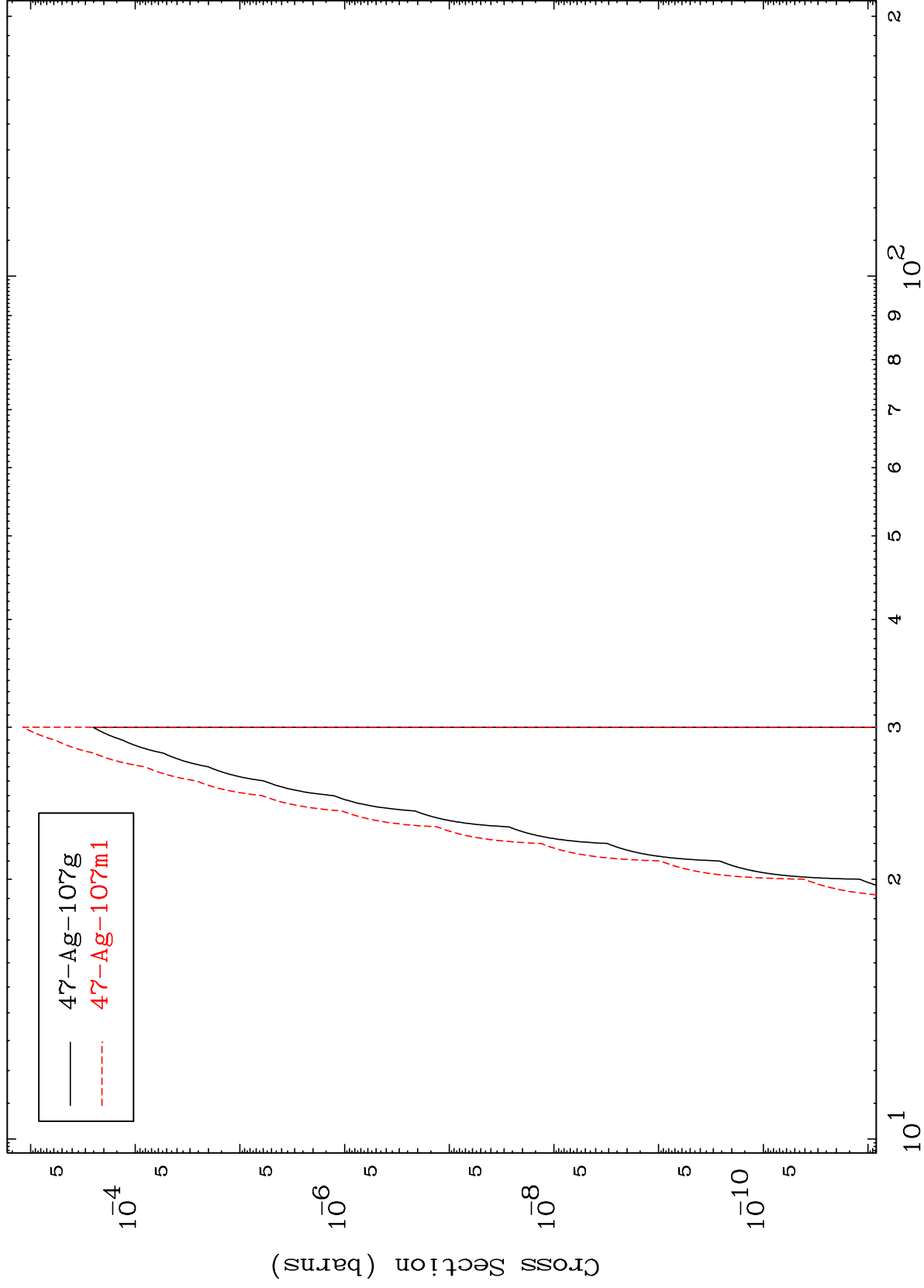
50-Sn-112

MAT 5025

(n,n') p α

50-Sn-112

Radionuclide Production Cross Section

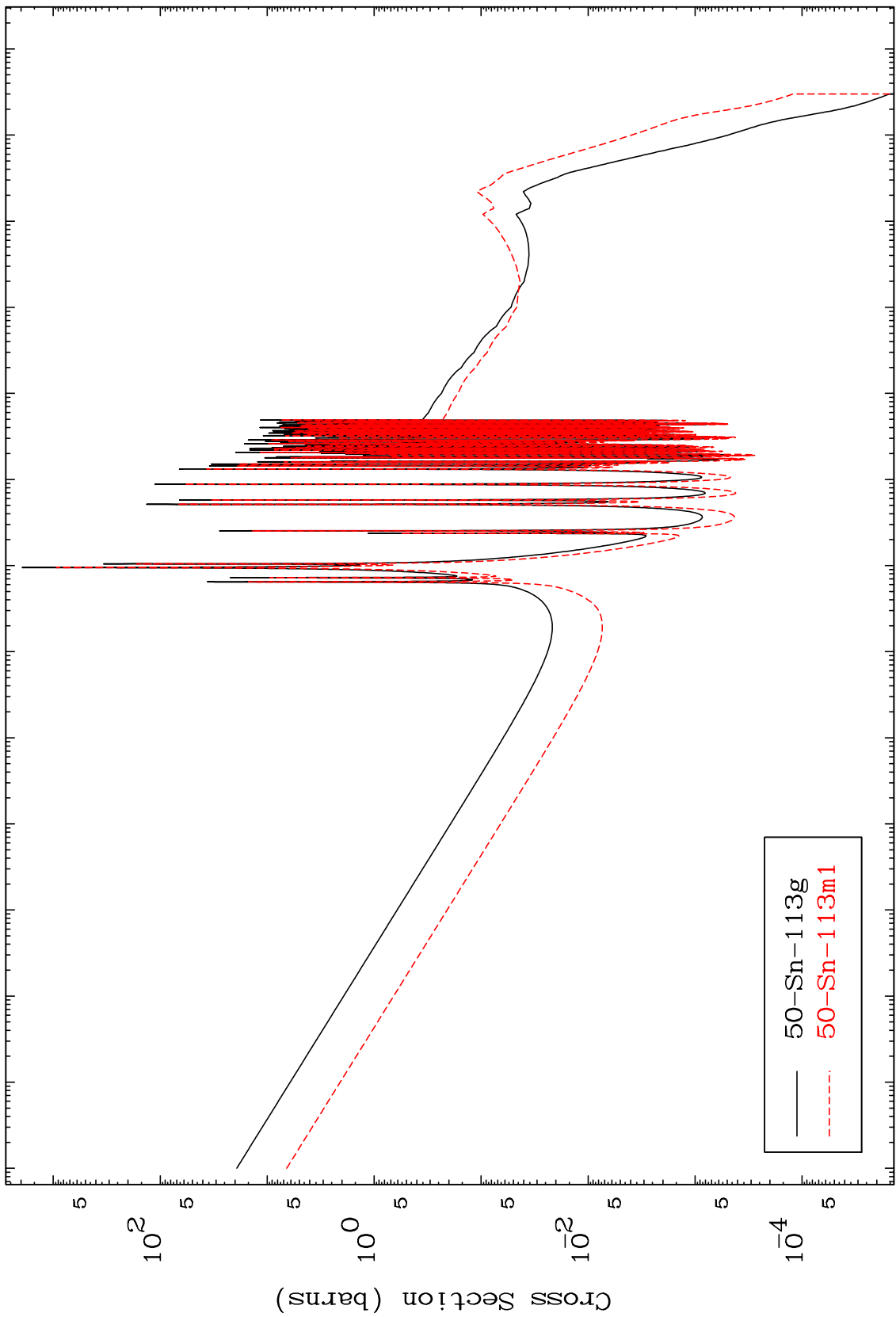


MAT 5025

50-Sn-112

Radionuclide Production Cross Section

(n, γ)



50-Sn-112

10²

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

Incident Energy (MeV)

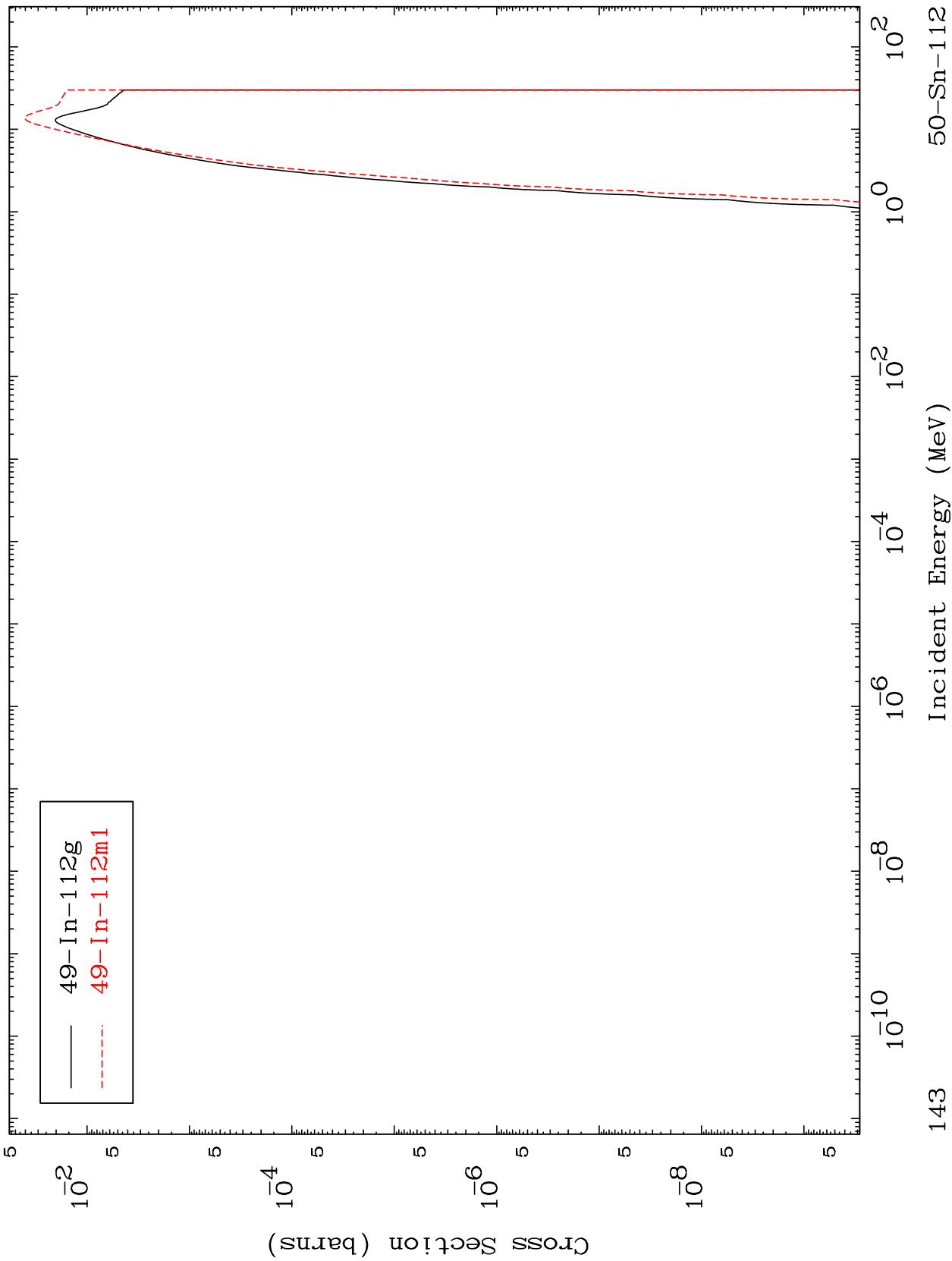
50-Sn-112

142

MAT 5025

50-Sn-112

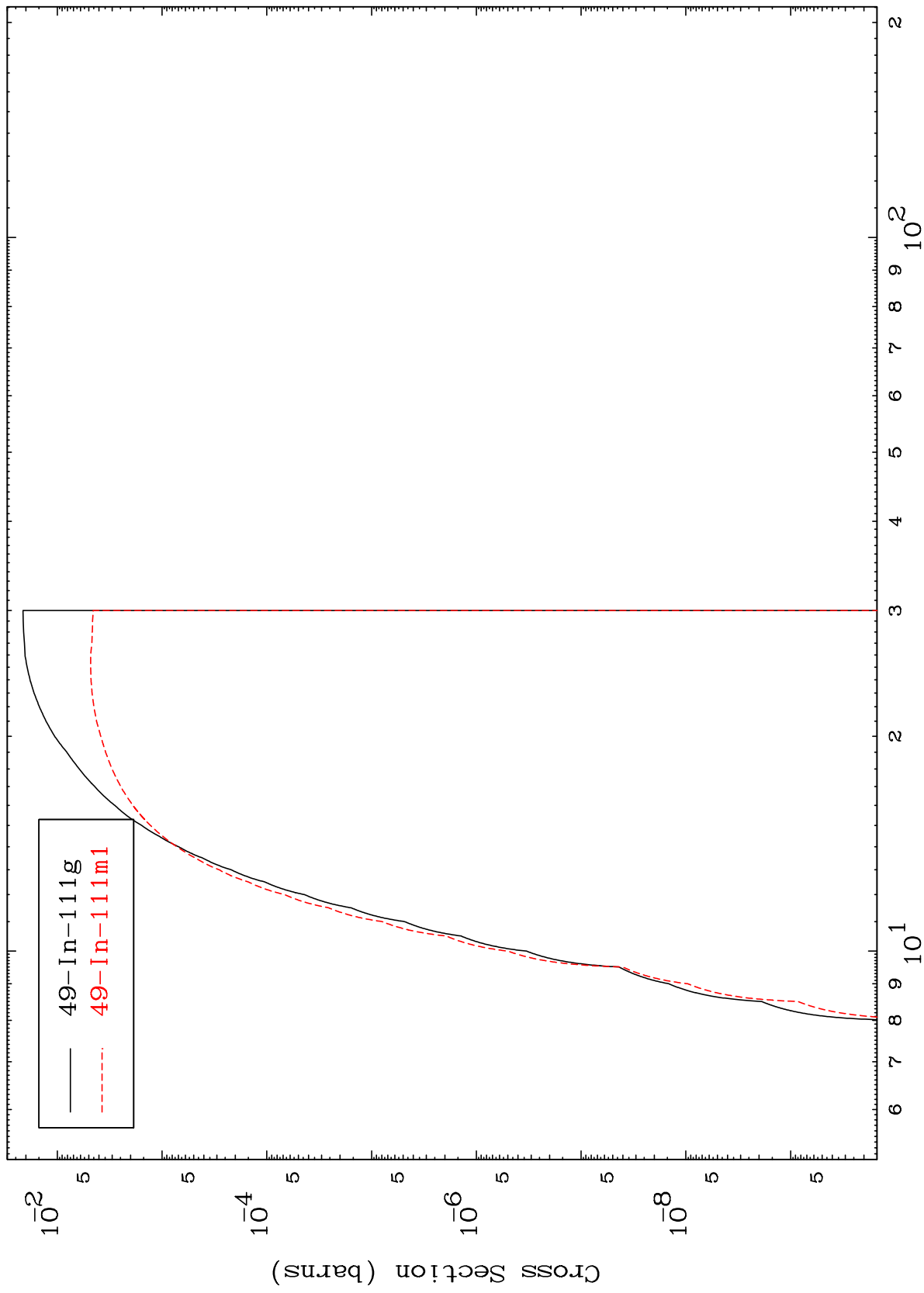
(n,p)
Radionuclide Production Cross Section



MAT 5025

50-Sn-112

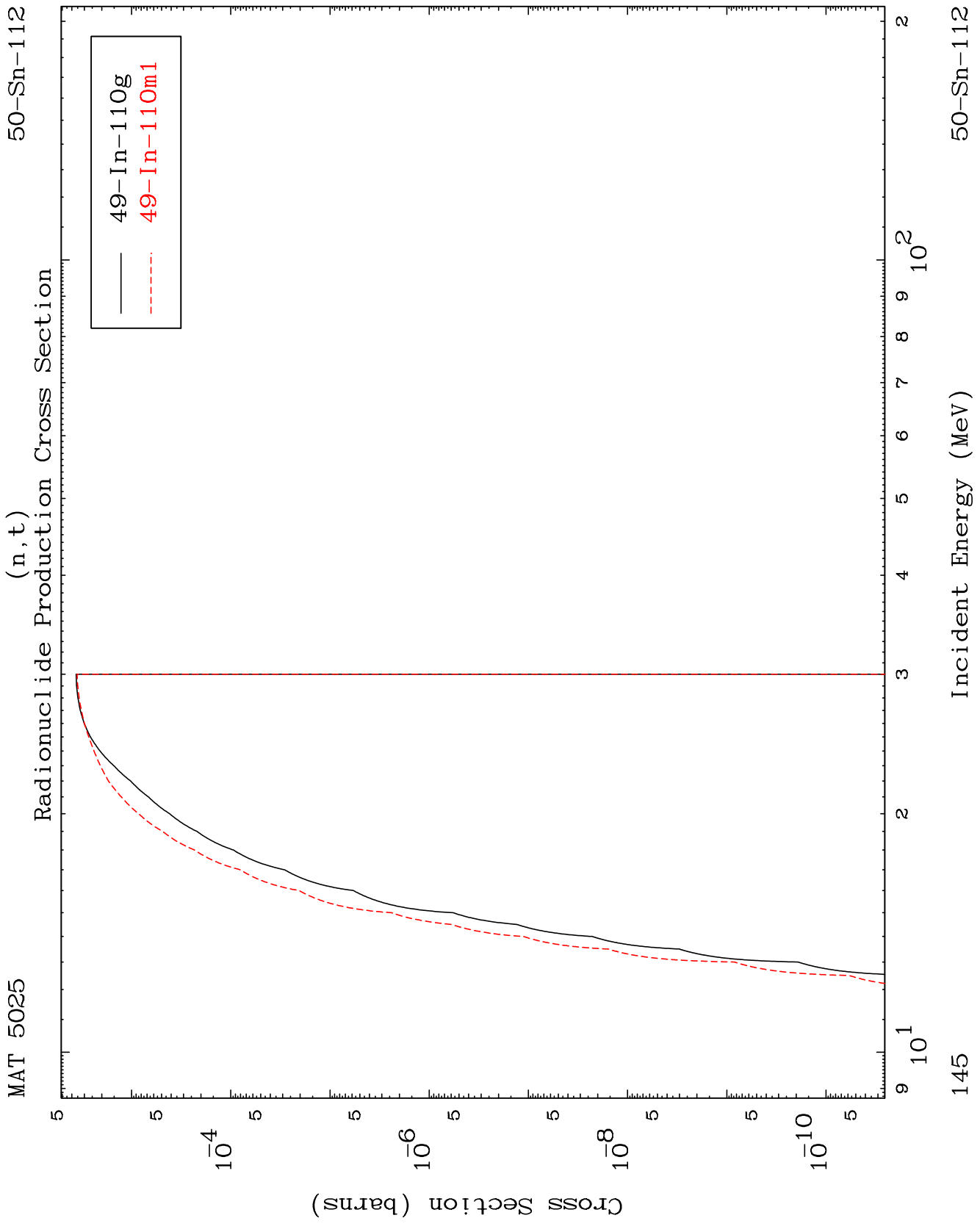
(n,d)
Radionuclide Production Cross Section



144

Incident Energy (MeV)

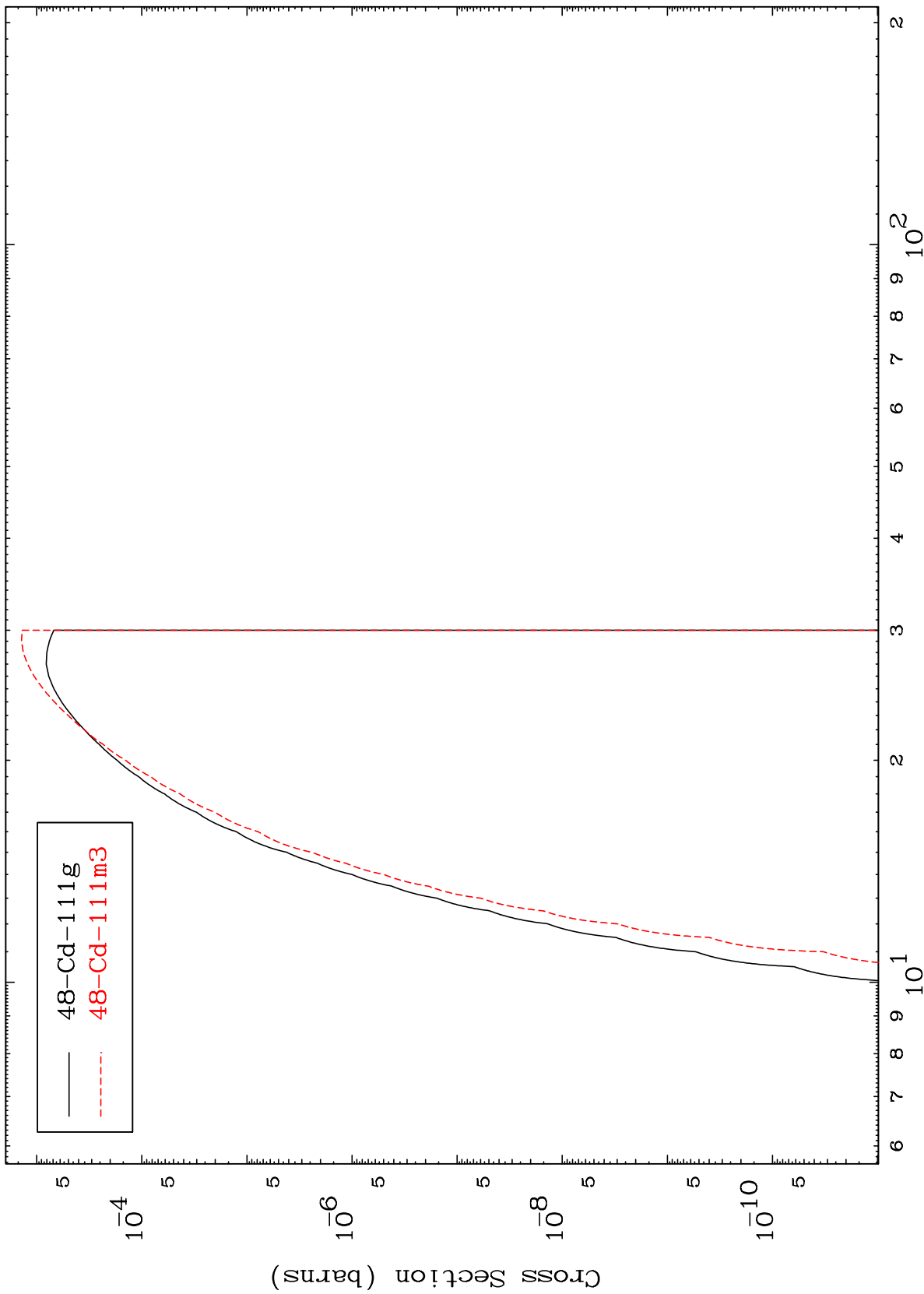
50-Sn-112



MAT 5025

50-Sn-112

(n,2p)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

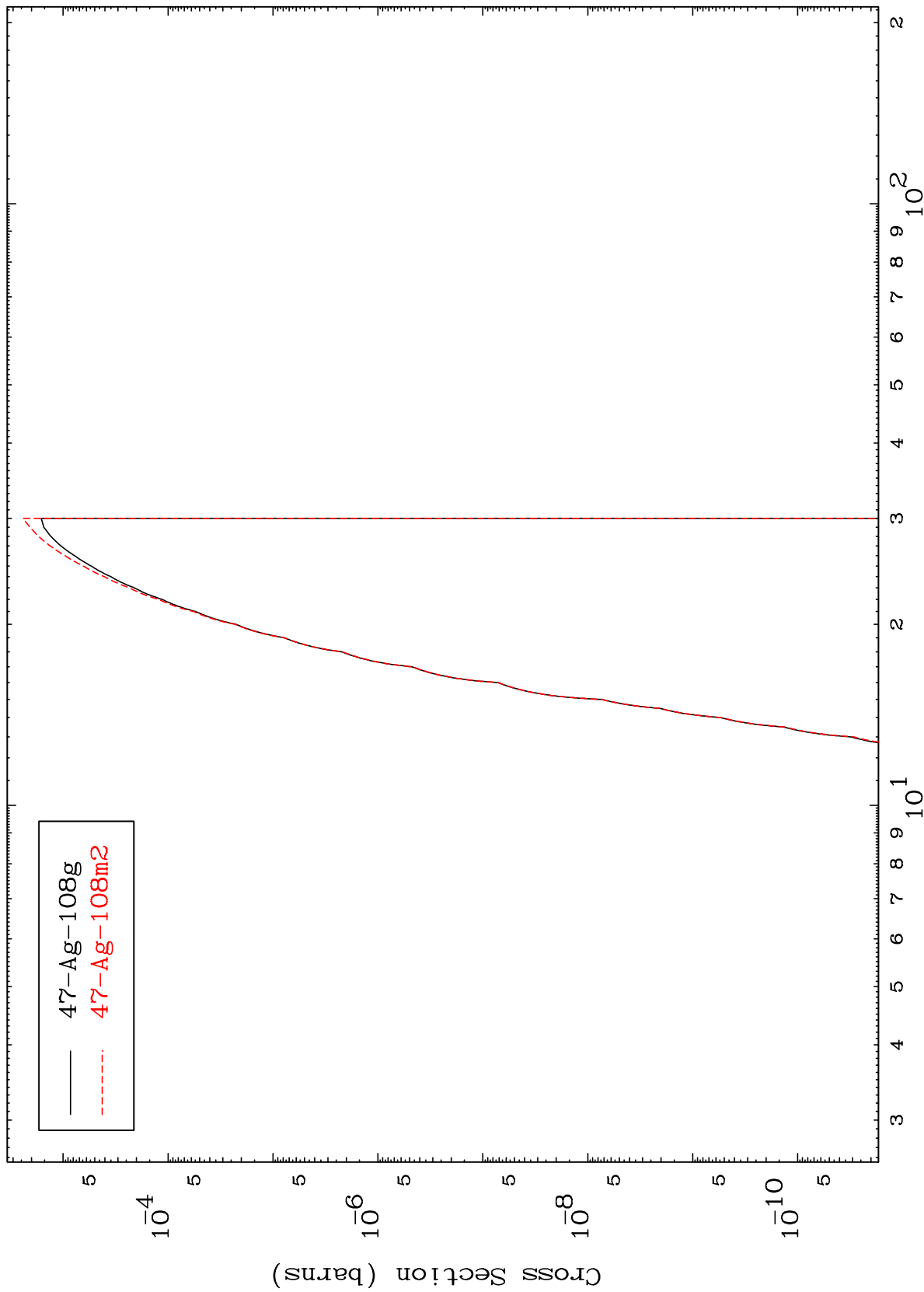
50-Sn-112

MAT 5025

(n,p) α

50-Sn-112

Radionuclide Production Cross Section



— 47-Ag-108g
- - - 47-Ag-108m2

147

Incident Energy (MeV)

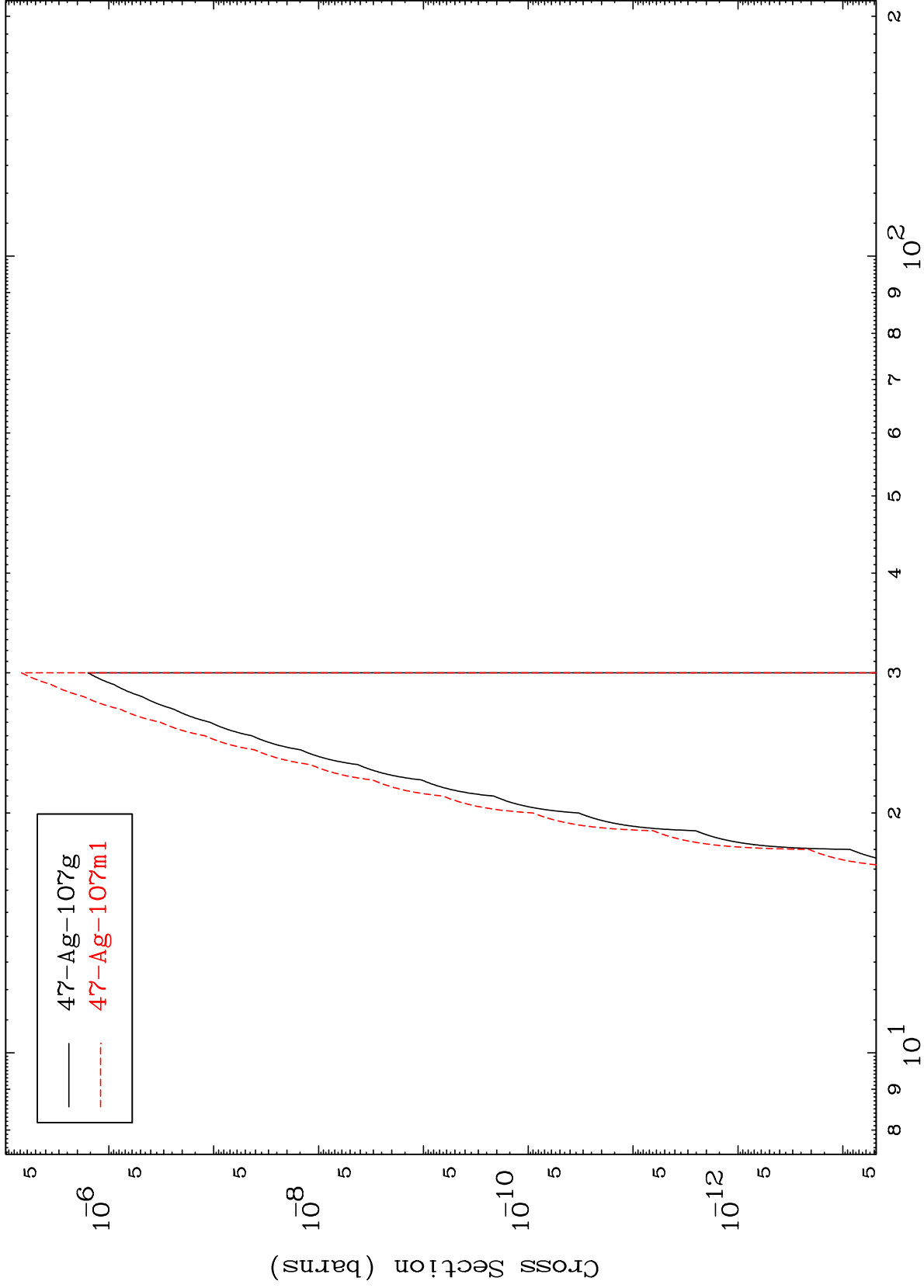
50-Sn-112

MAT 5025

(n,d) α

50-Sn-112

Radionuclide Production Cross Section



148

Incident Energy (MeV)

50-Sn-112