

Program EVALPLOT
(Version 2015-2)

by

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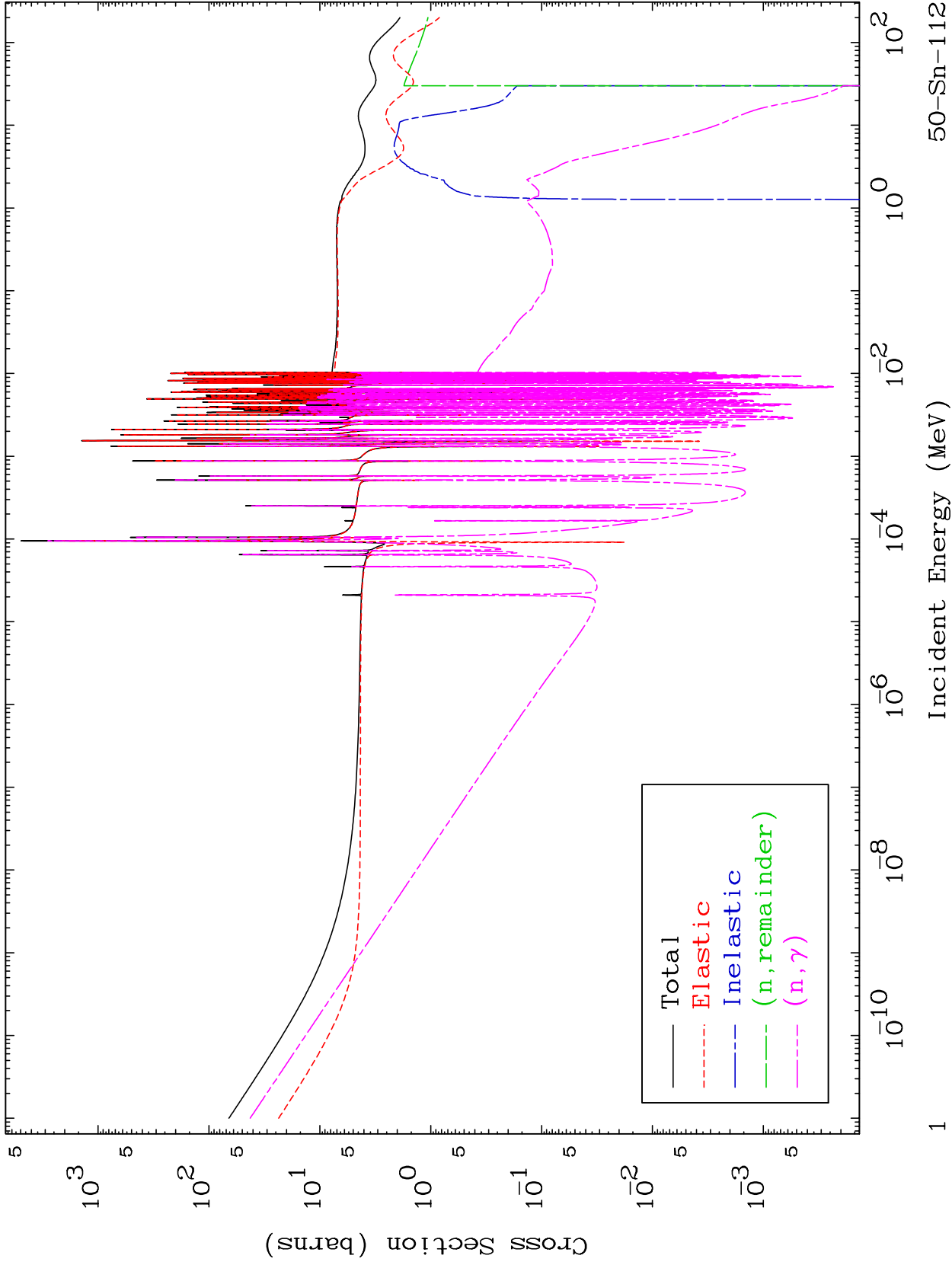
Press Mouse Button to Start

MAT 5025

Major

293 Kelvin Cross Sections

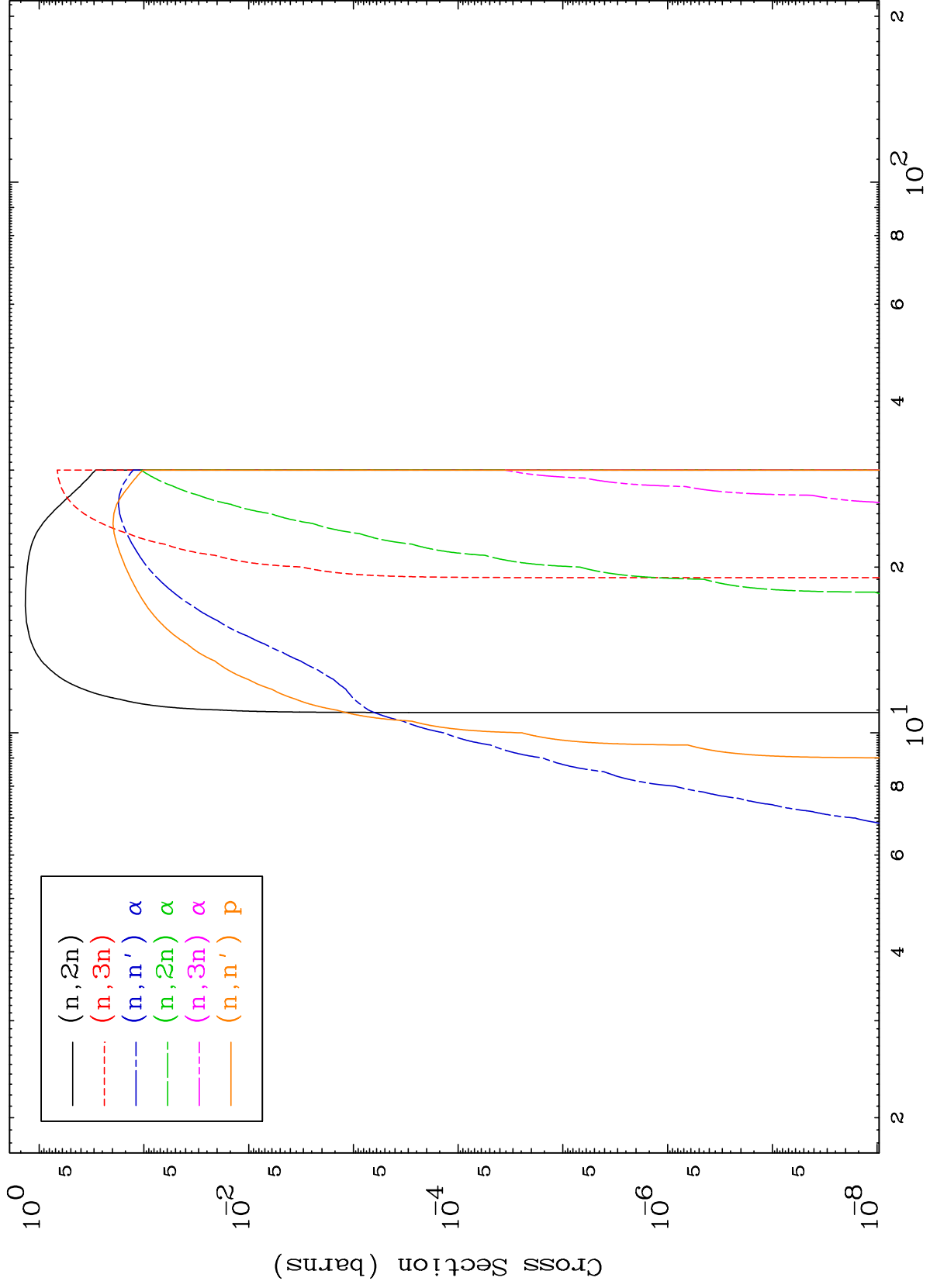
50-Sn-112



MAT 5025

Neutron Production
293 Kelvin Cross Sections

50-Sn-112



2

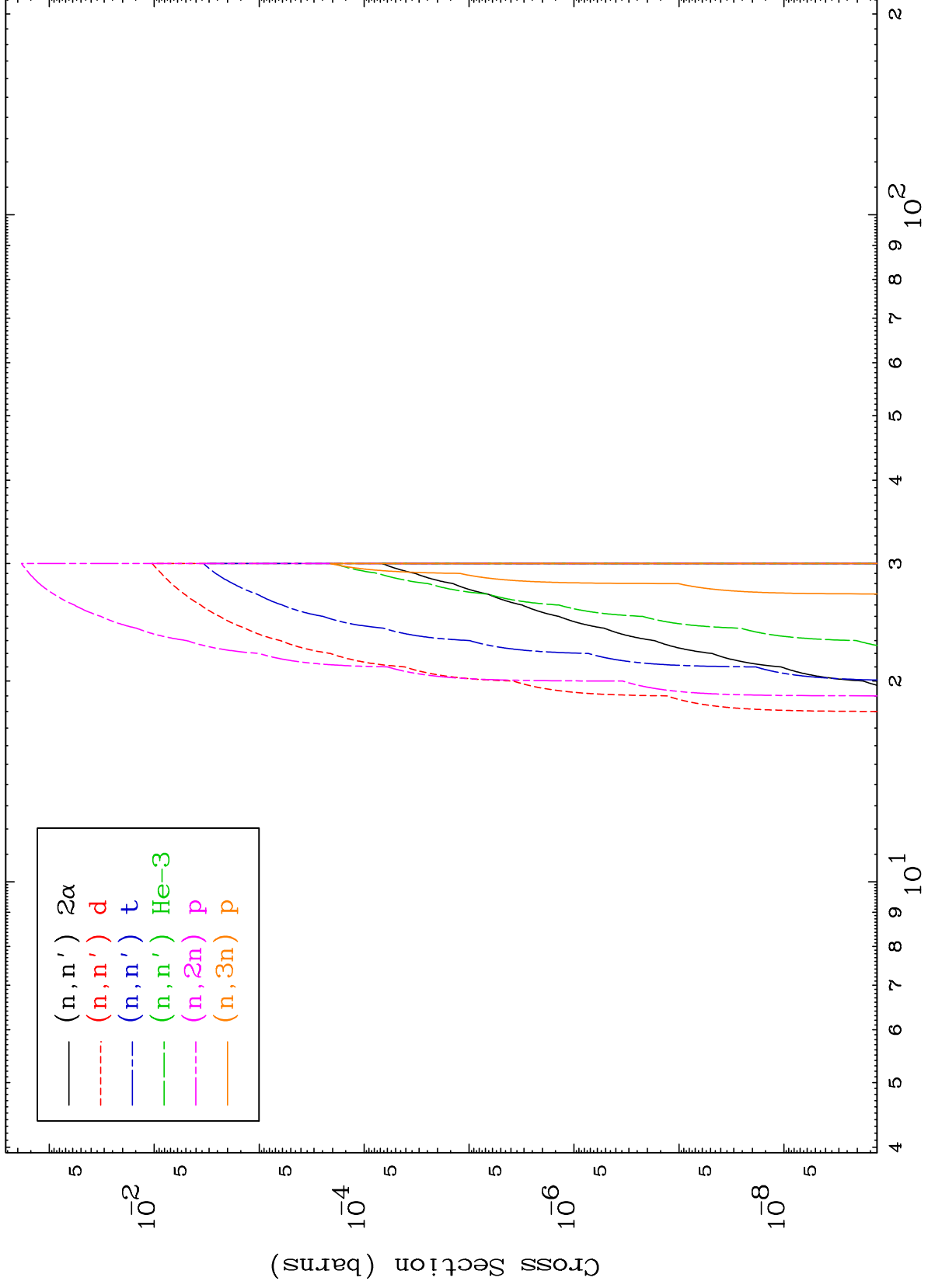
Incident Energy (MeV)

50-Sn-112

MAT 5025

Neutron Production
293 Kelvin Cross Sections

50-Sn-112



50-Sn-112

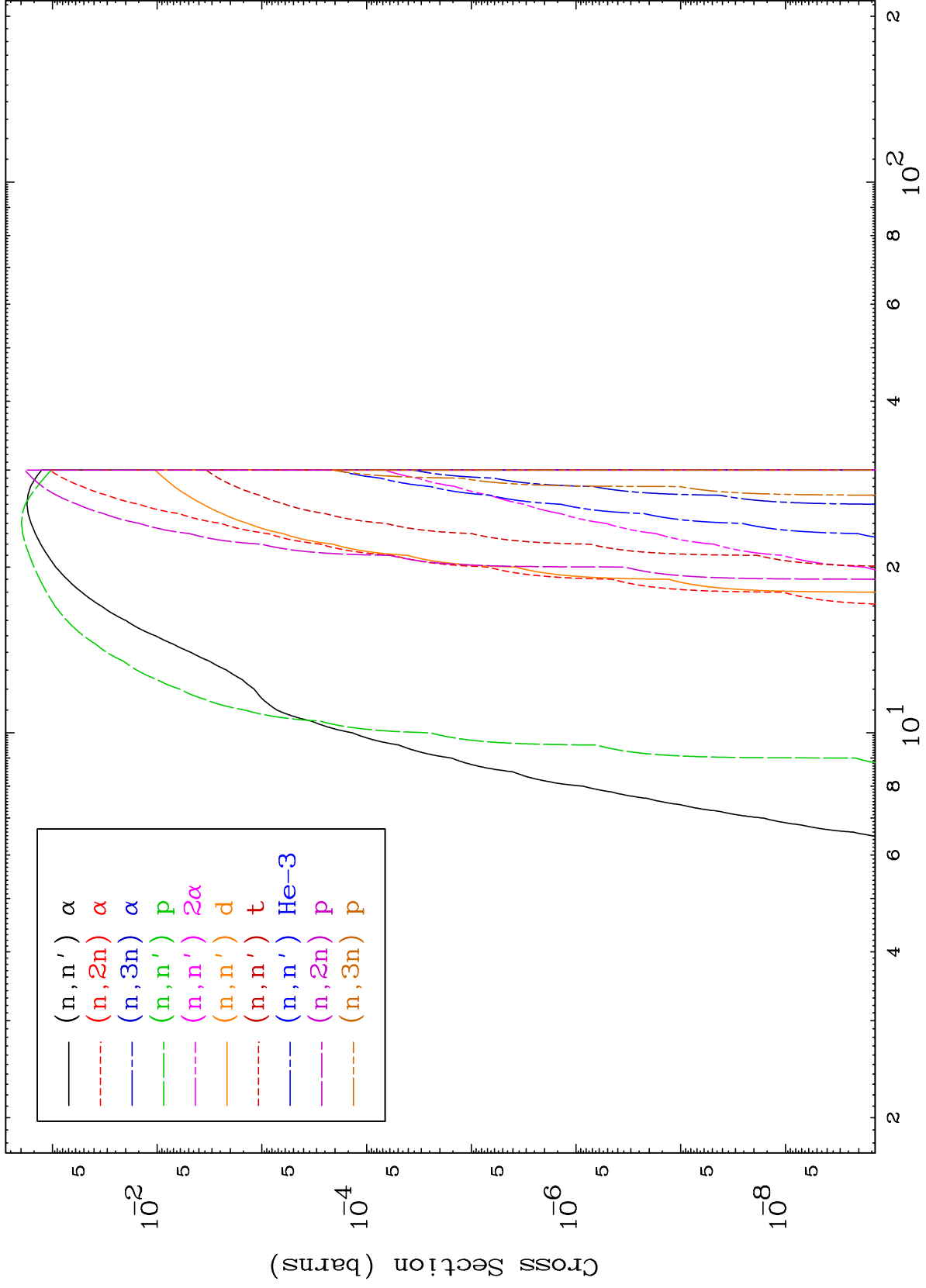
Incident Energy (MeV)

3

MAT 5025

Charged Particle
293 Kelvin Cross Sections

50-Sn-112



4

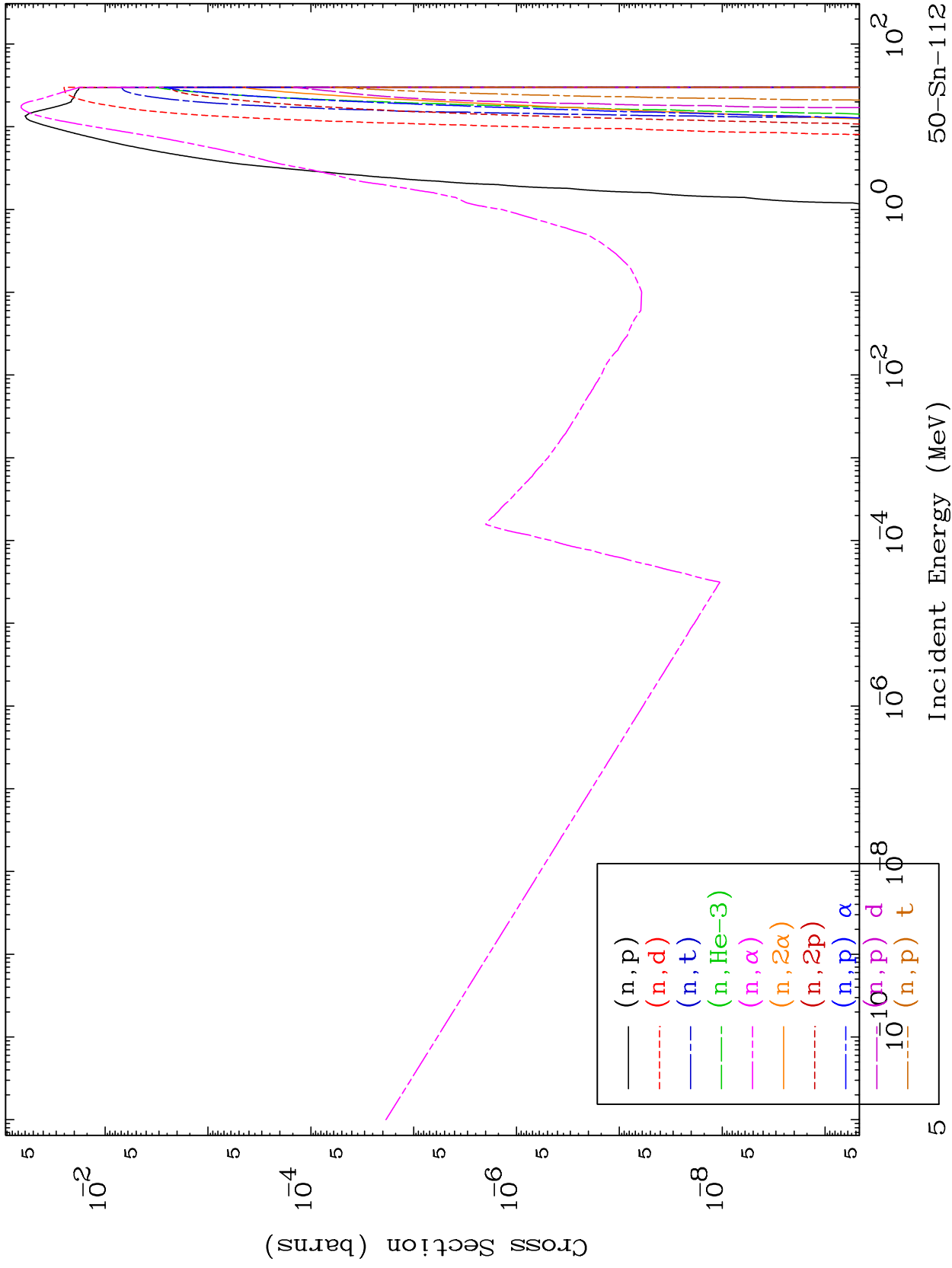
Incident Energy (MeV)

50-Sn-112

MAT 5025

Charged Particle
293 Kelvin Cross Sections

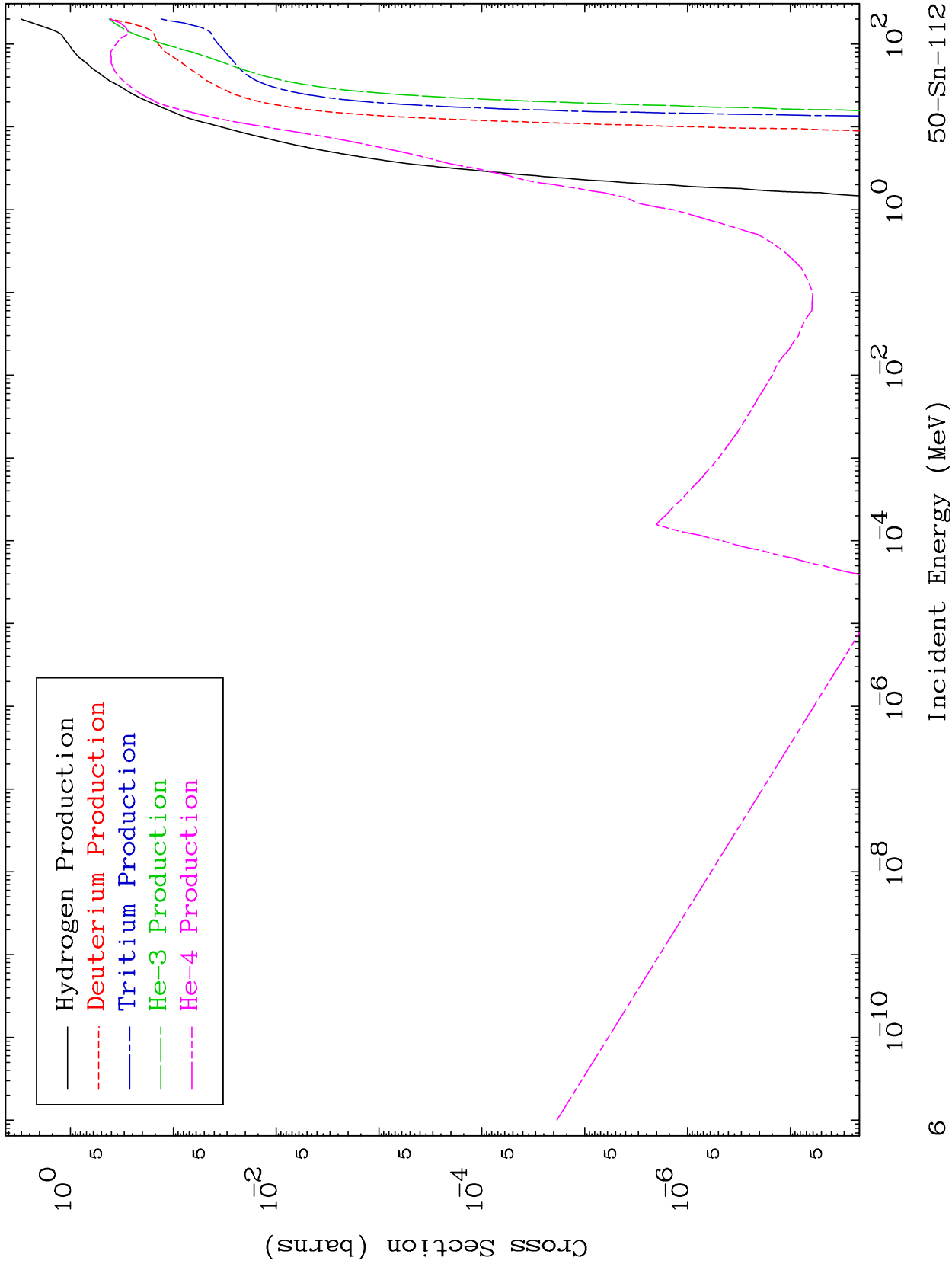
50-Sn-112



MAT 5025

Particle Production
293 Kelvin Cross Sections

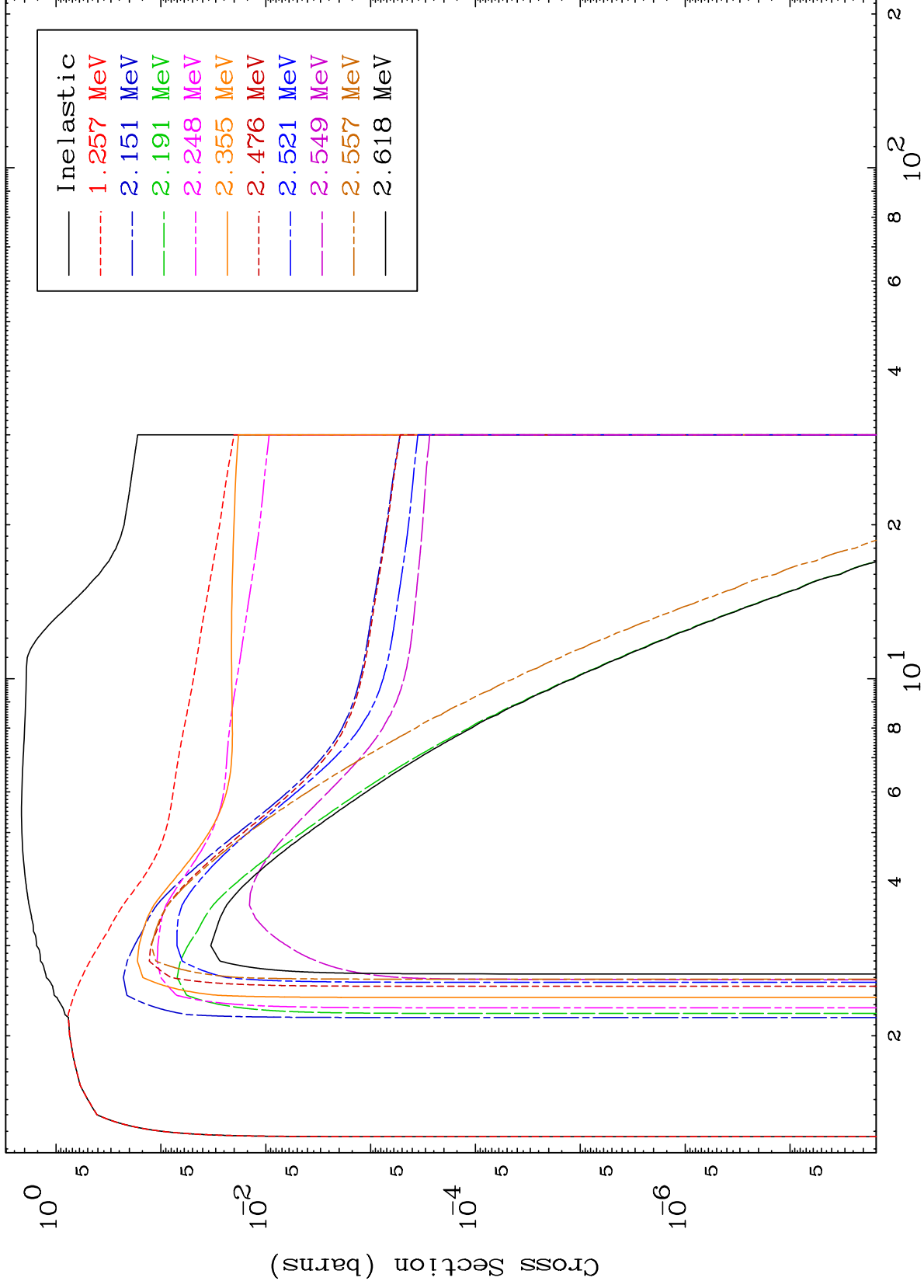
50-Sn-112



MAT 5025

(n,n') Level
293 Kelvin Cross Sections

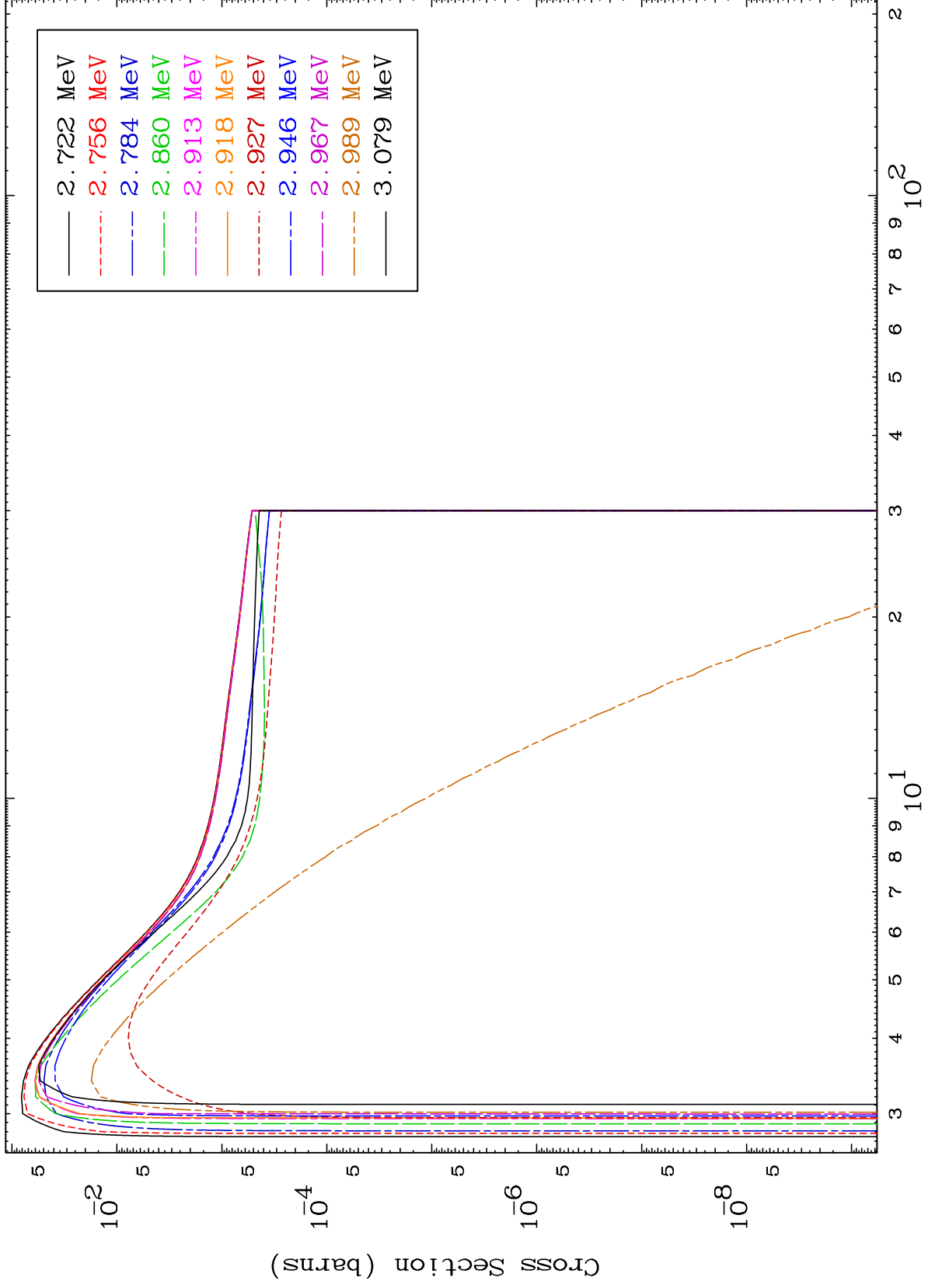
50-Sn-112



MAT 5025

(n,n') Level
293 Kelvin Cross Sections

50-Sn-112



8

Incident Energy (MeV)

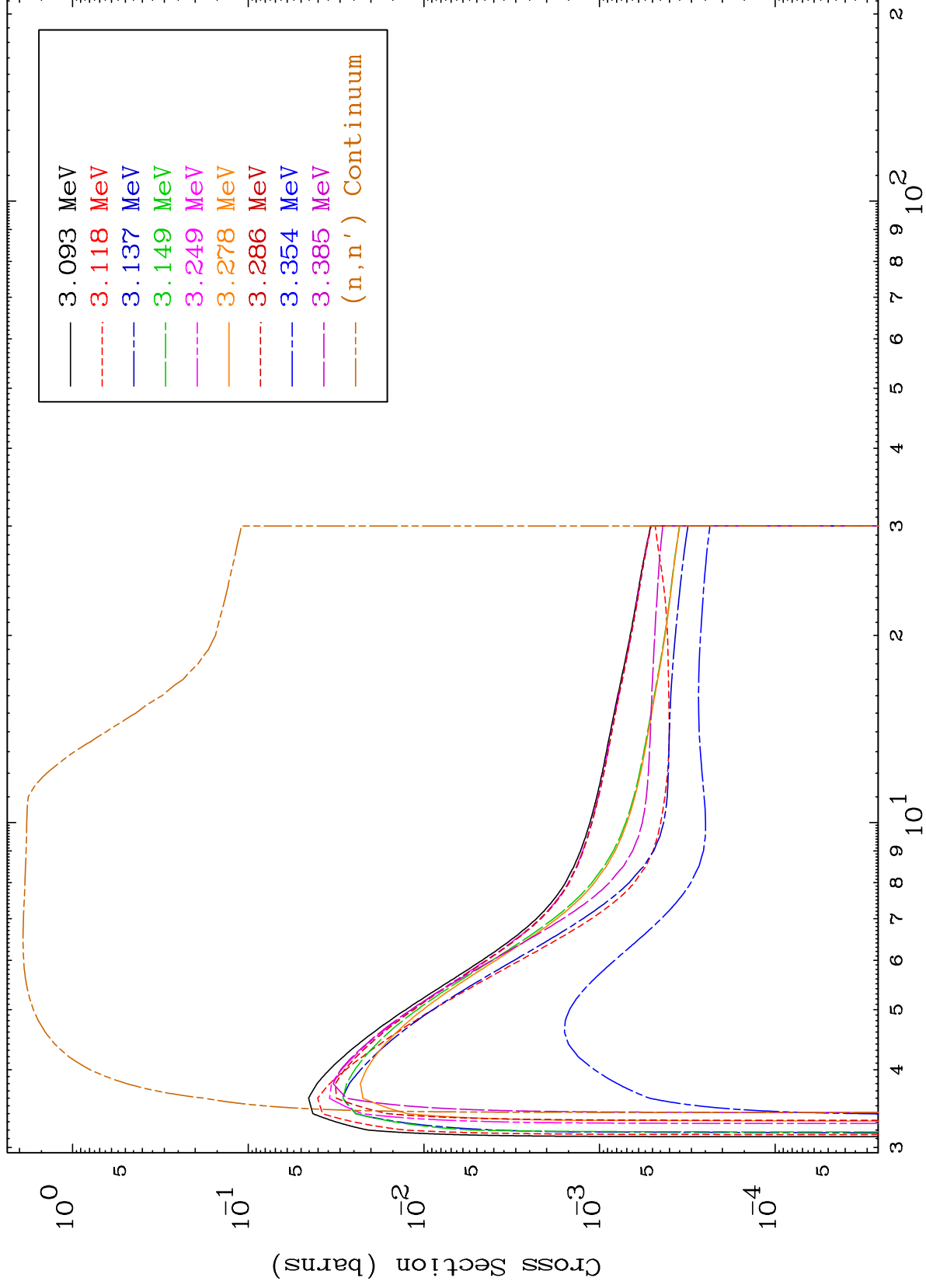
50-Sn-112

MAT 5025

(n,n') Level

293 Kelvin Cross Sections

50-Sn-112



9

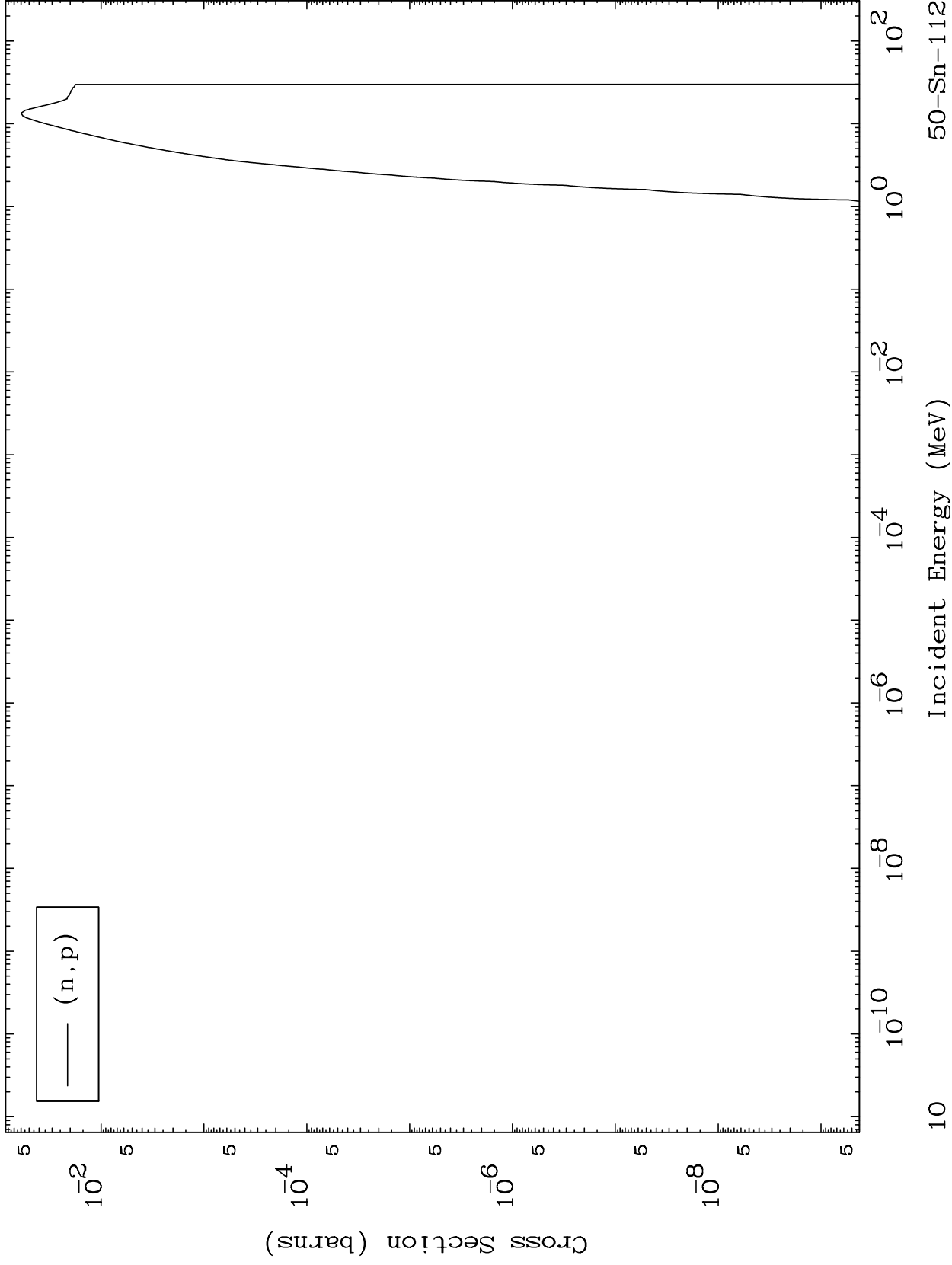
Incident Energy (MeV)

50-Sn-112

MAT 5025

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-112



10

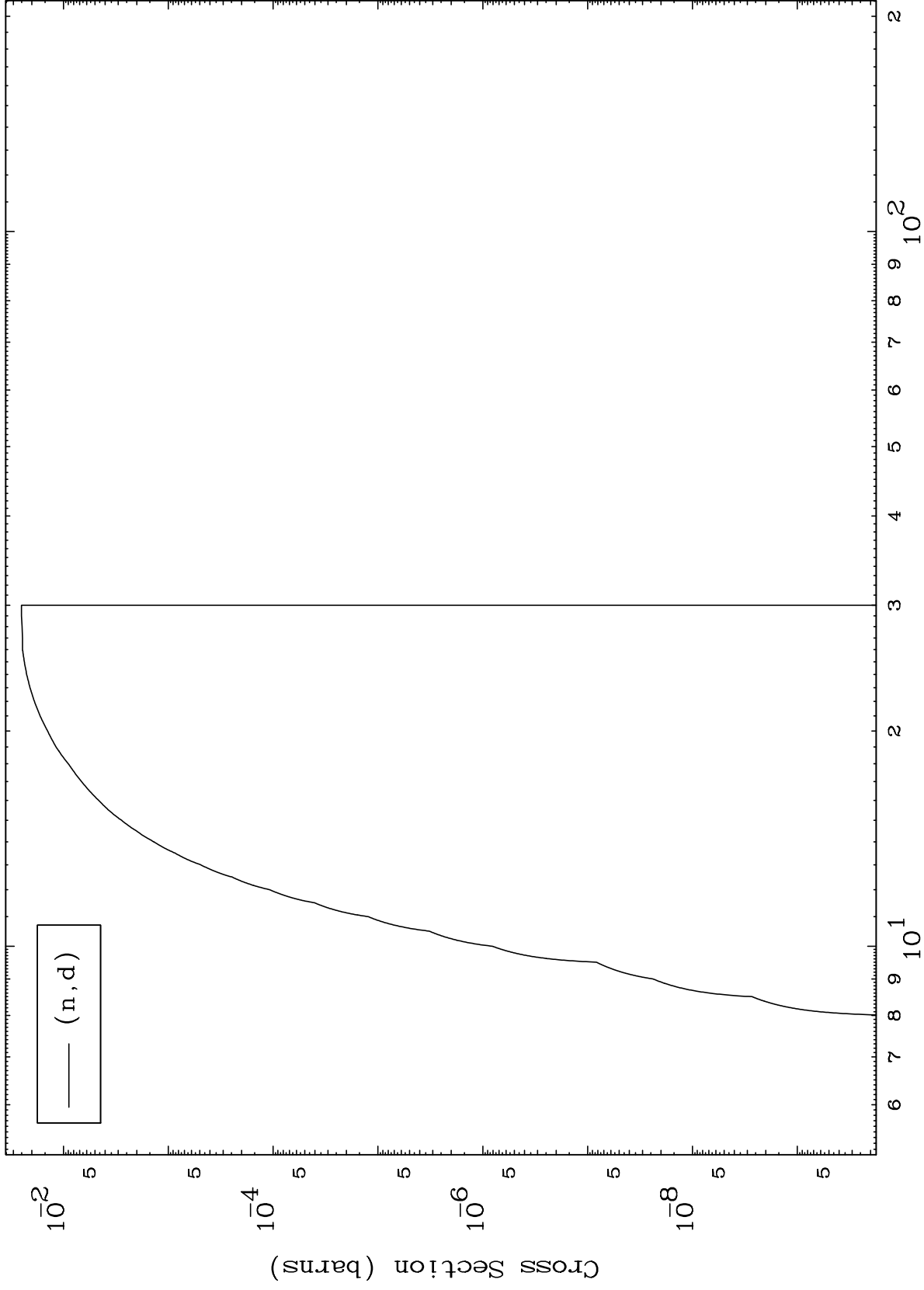
Incident Energy (MeV)

50-Sn-112

MAT 5025

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-112



11

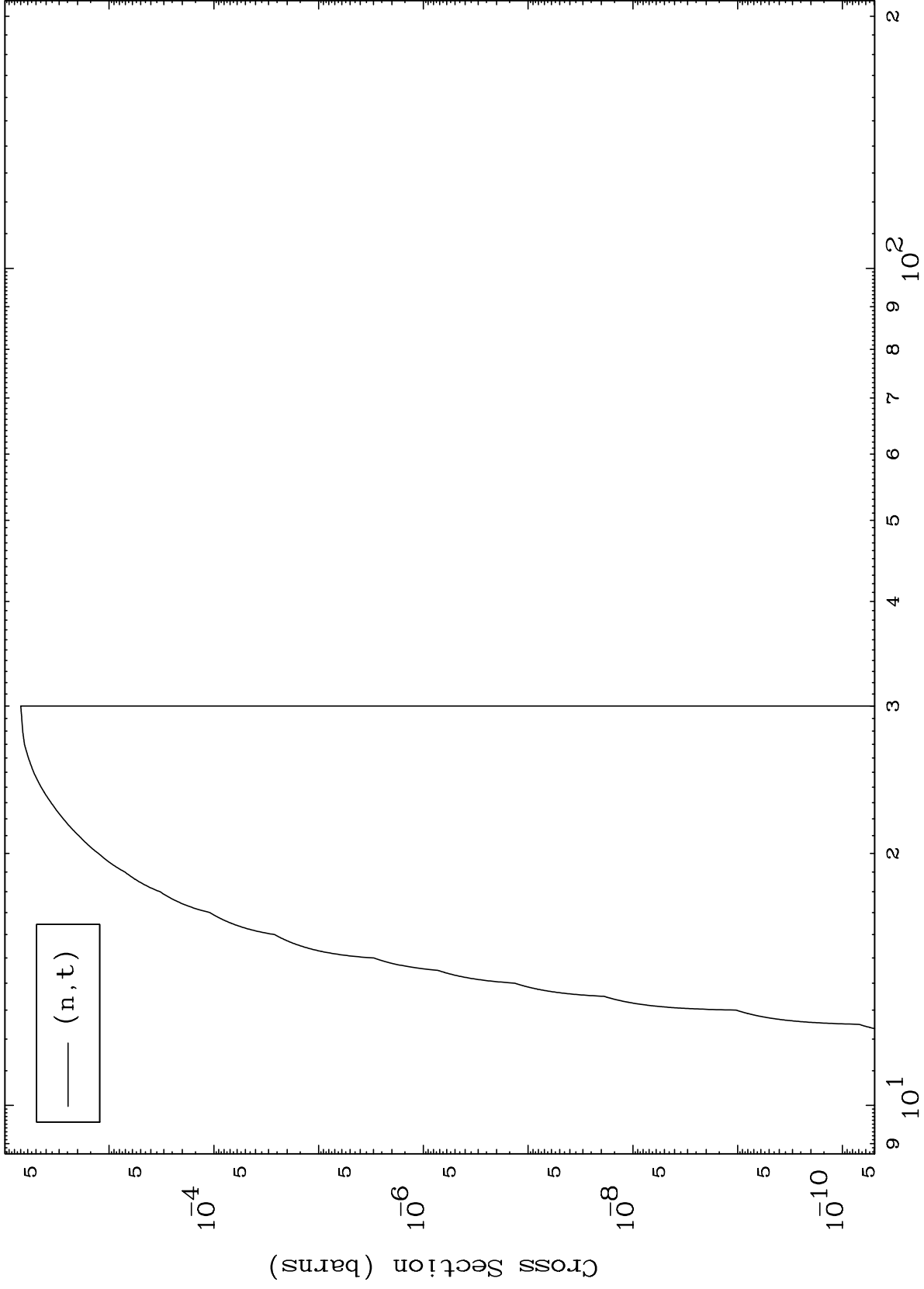
Incident Energy (MeV)

50-Sn-112

MAT 5025

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-112



Incident Energy (MeV)

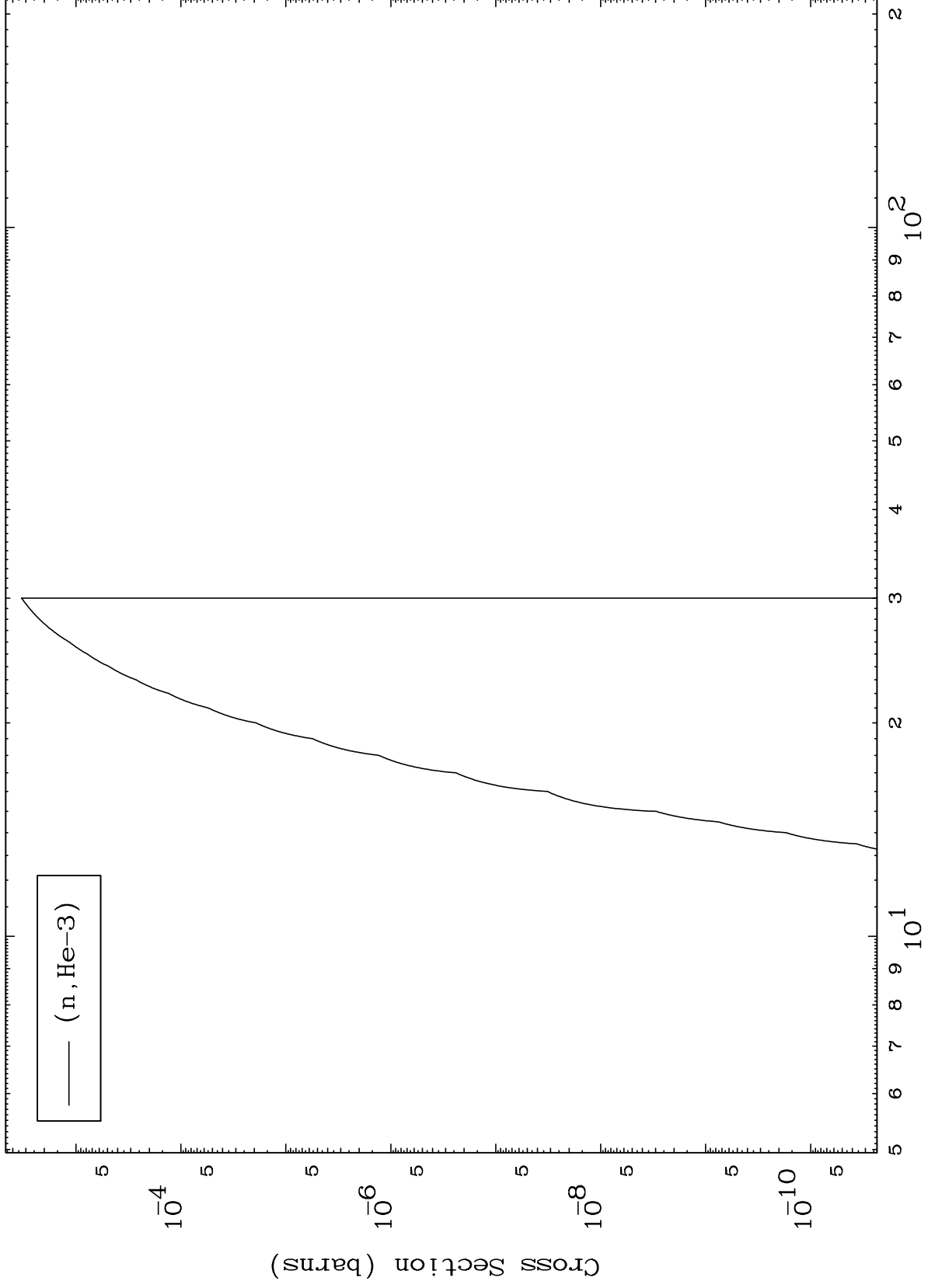
50-Sn-112

12

MAT 5025

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-112



13

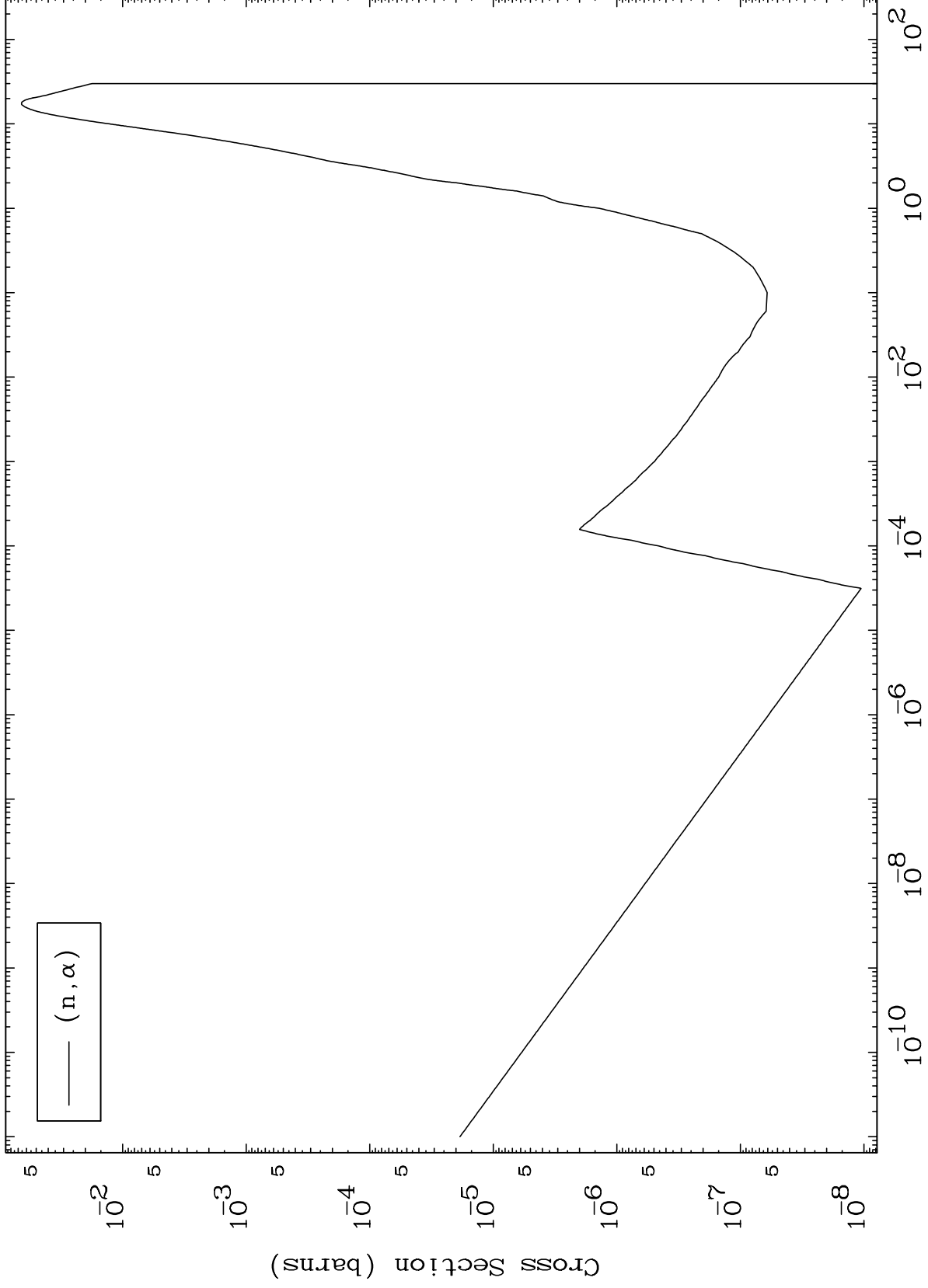
Incident Energy (MeV)

50-Sn-112

MAT 5025

(n, α) Levels
293 Kelvin Cross Sections

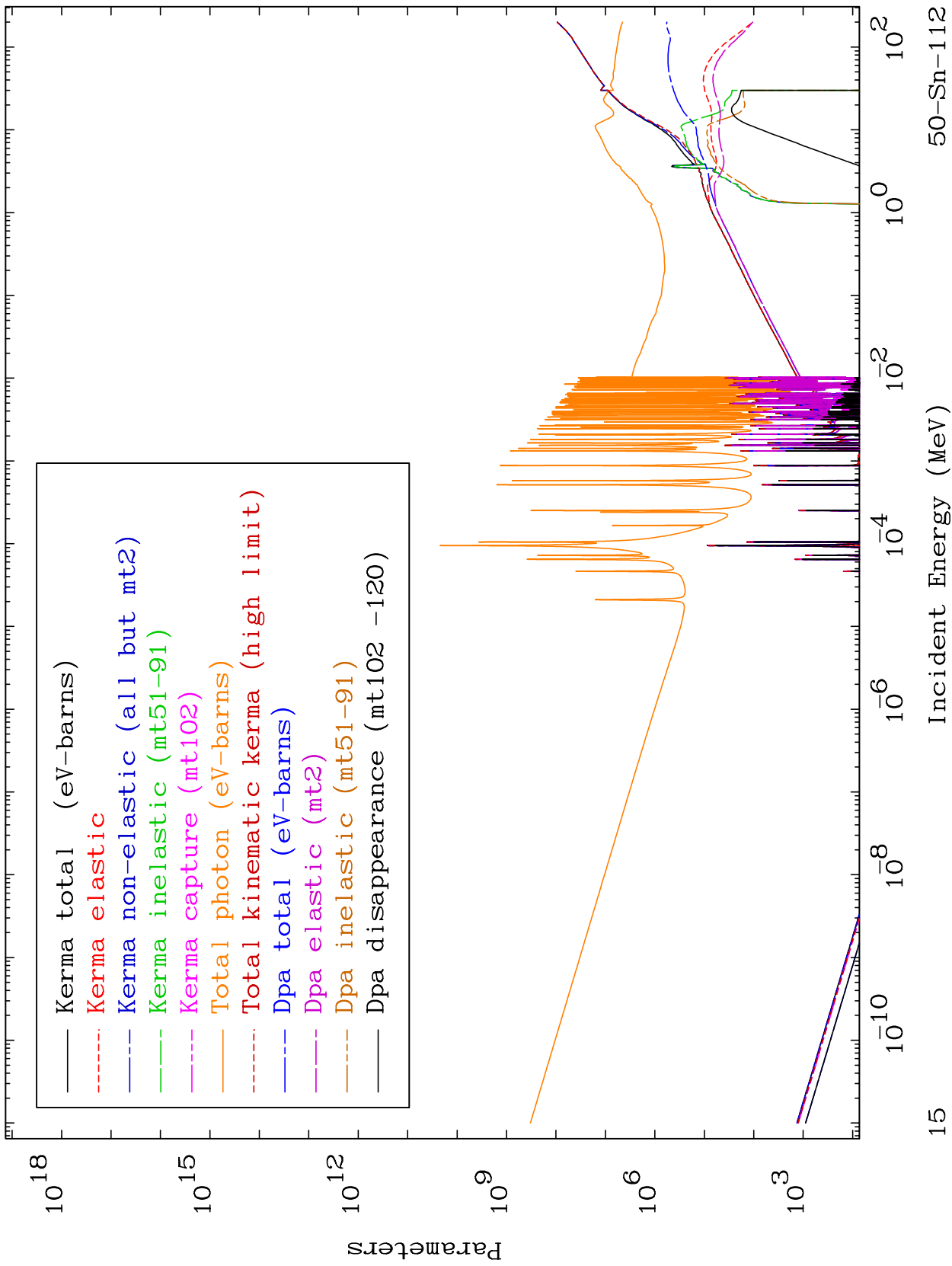
50-Sn-112



14

Incident Energy (MeV)

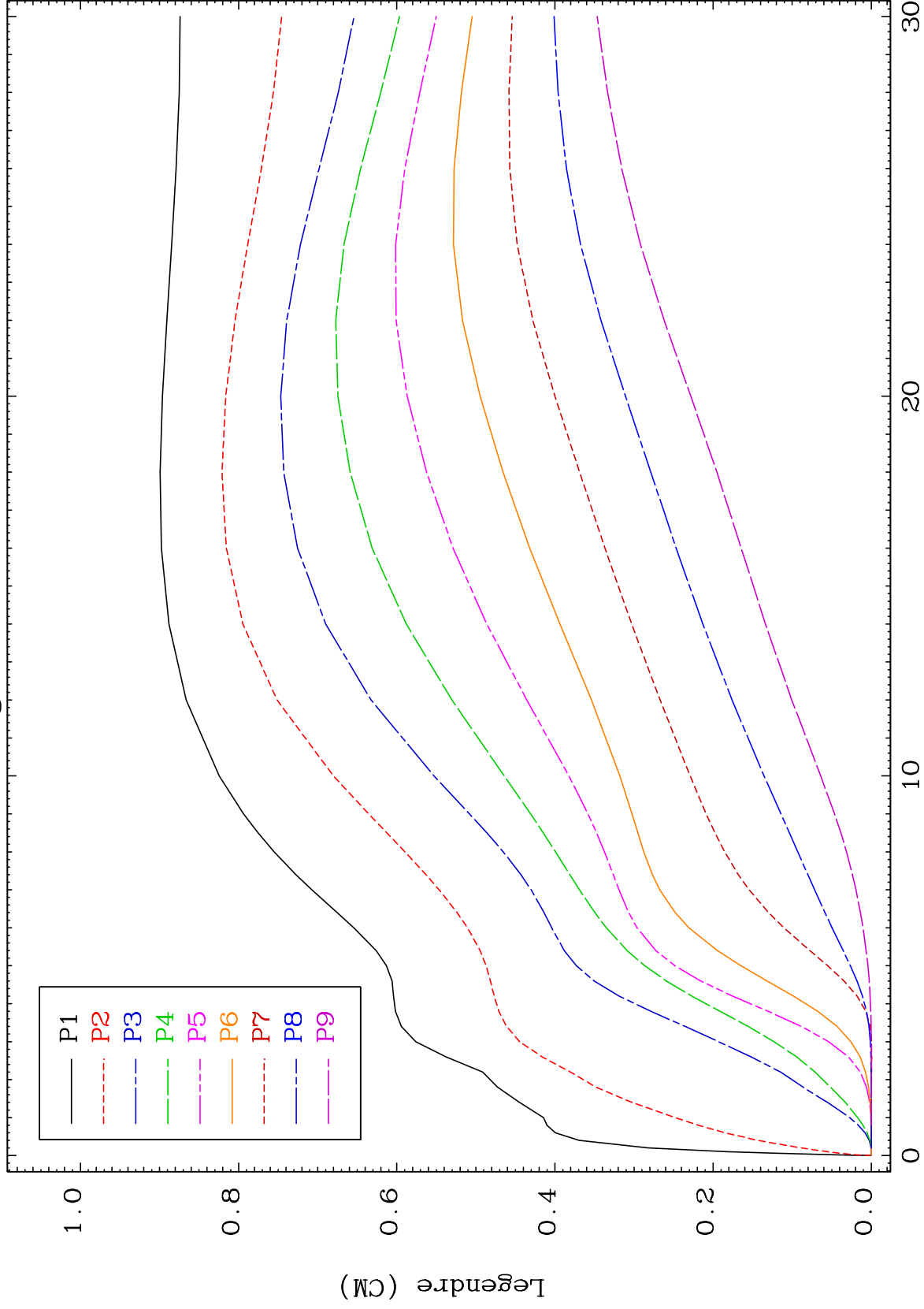
50-Sn-112



MAT 5025

Elastic Legendre Coefficients

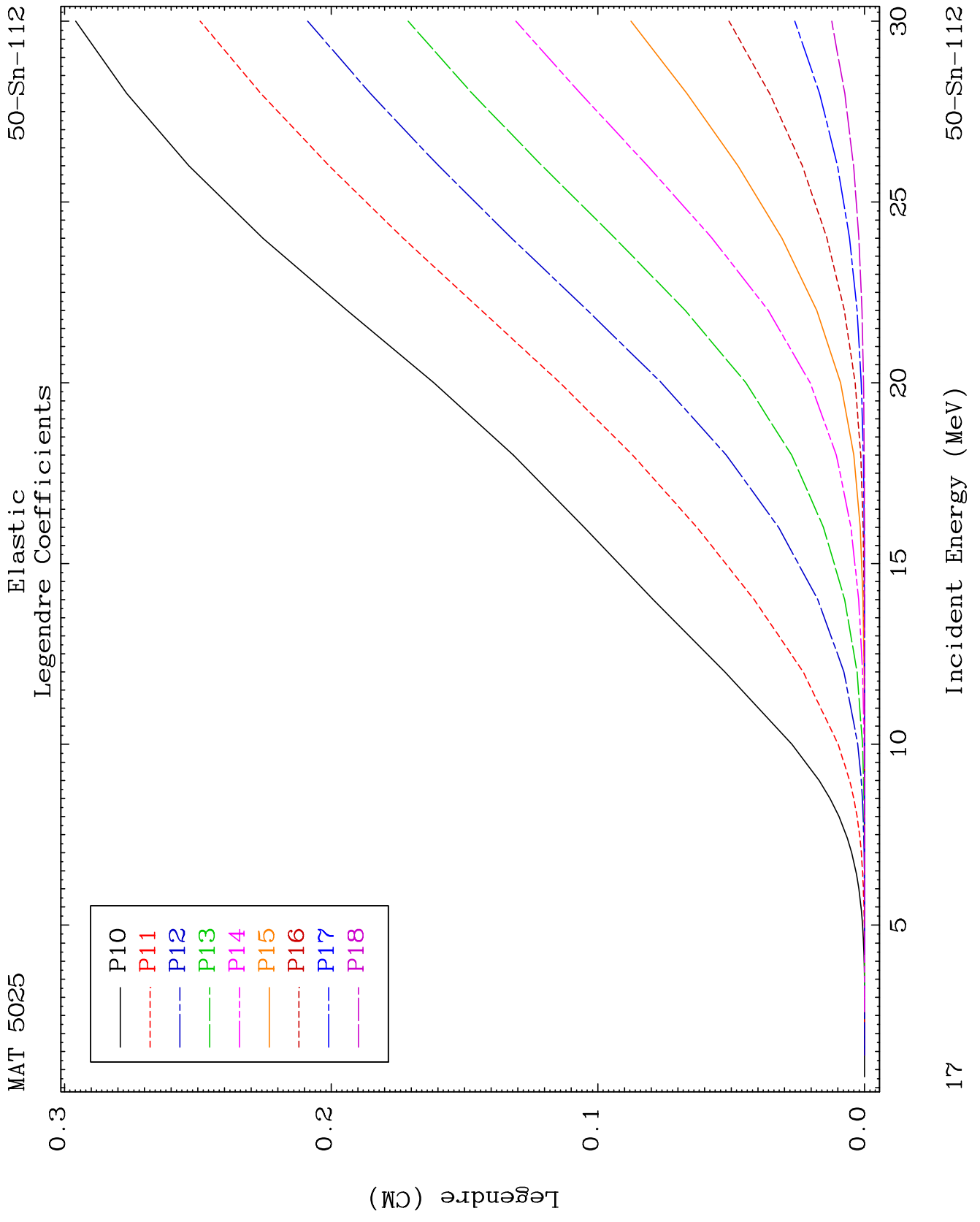
50-Sn-112



16

Incident Energy (MeV)

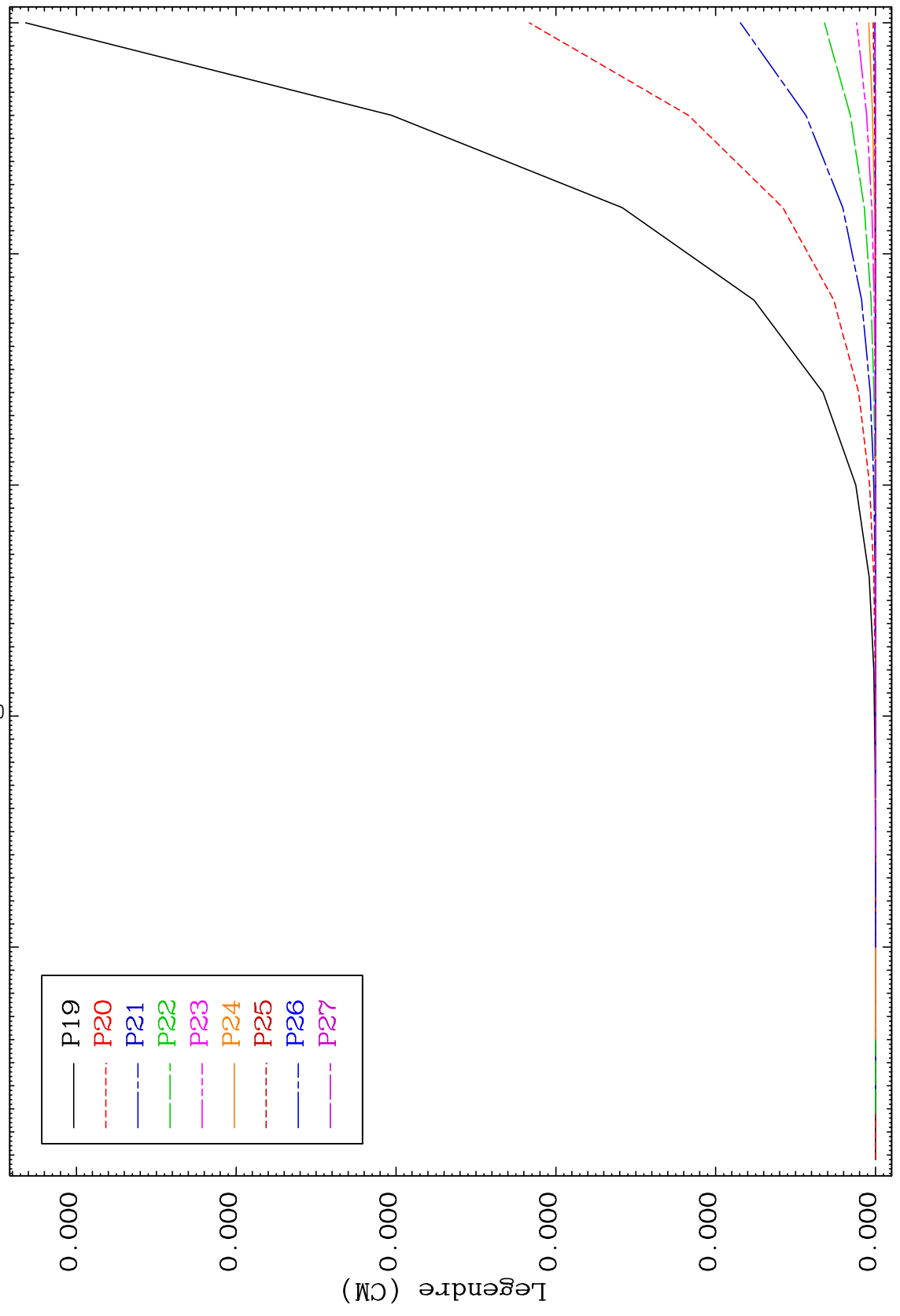
50-Sn-112



MAT 5025

Elastic Legendre Coefficients

50-Sn-112



18

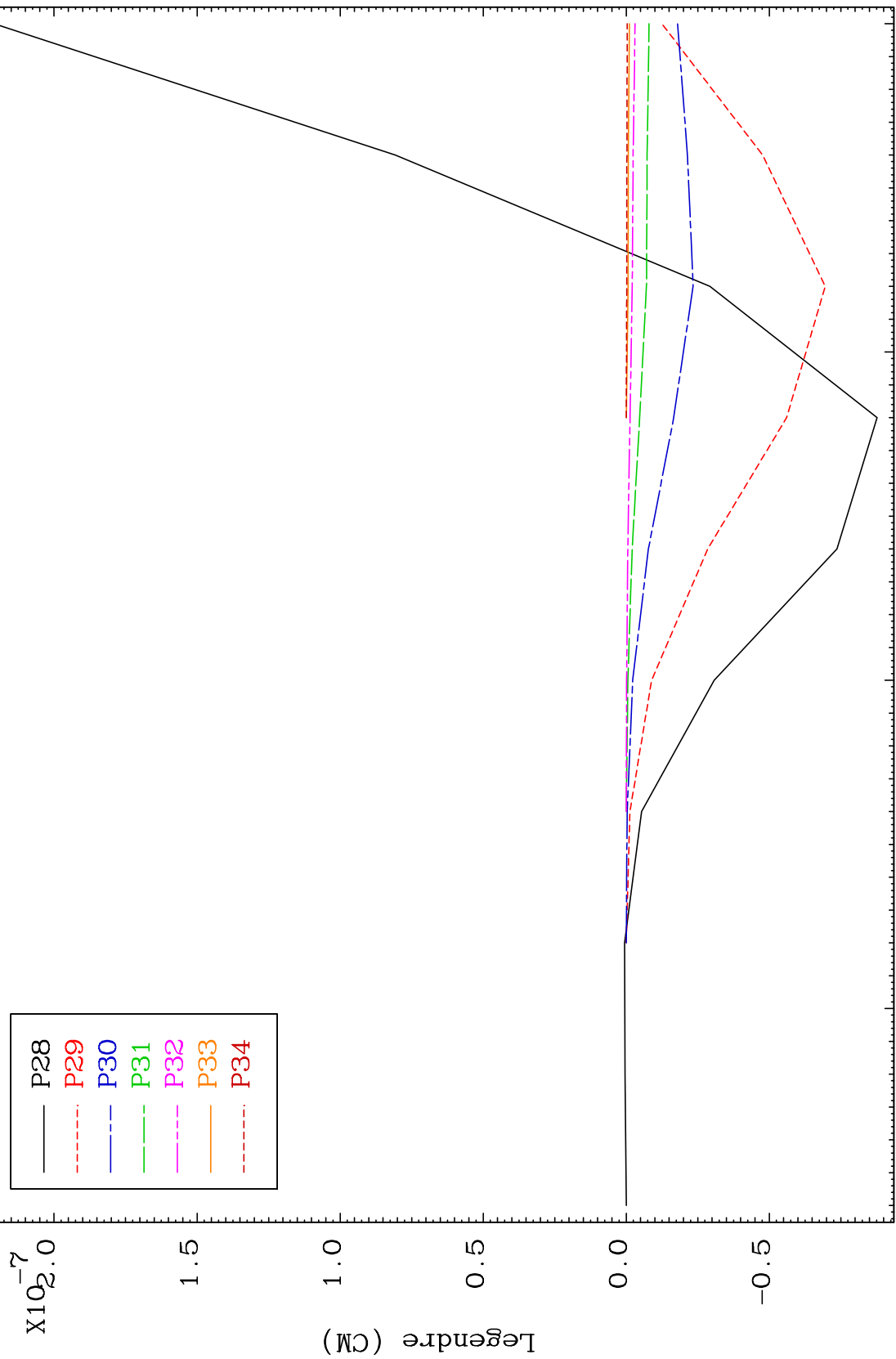
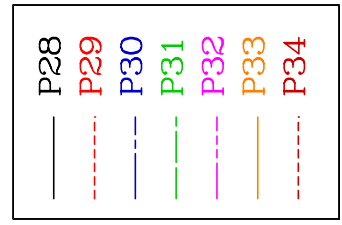
Incident Energy (MeV)

50-Sn-112

MAT 5025

Elastic Legendre Coefficients

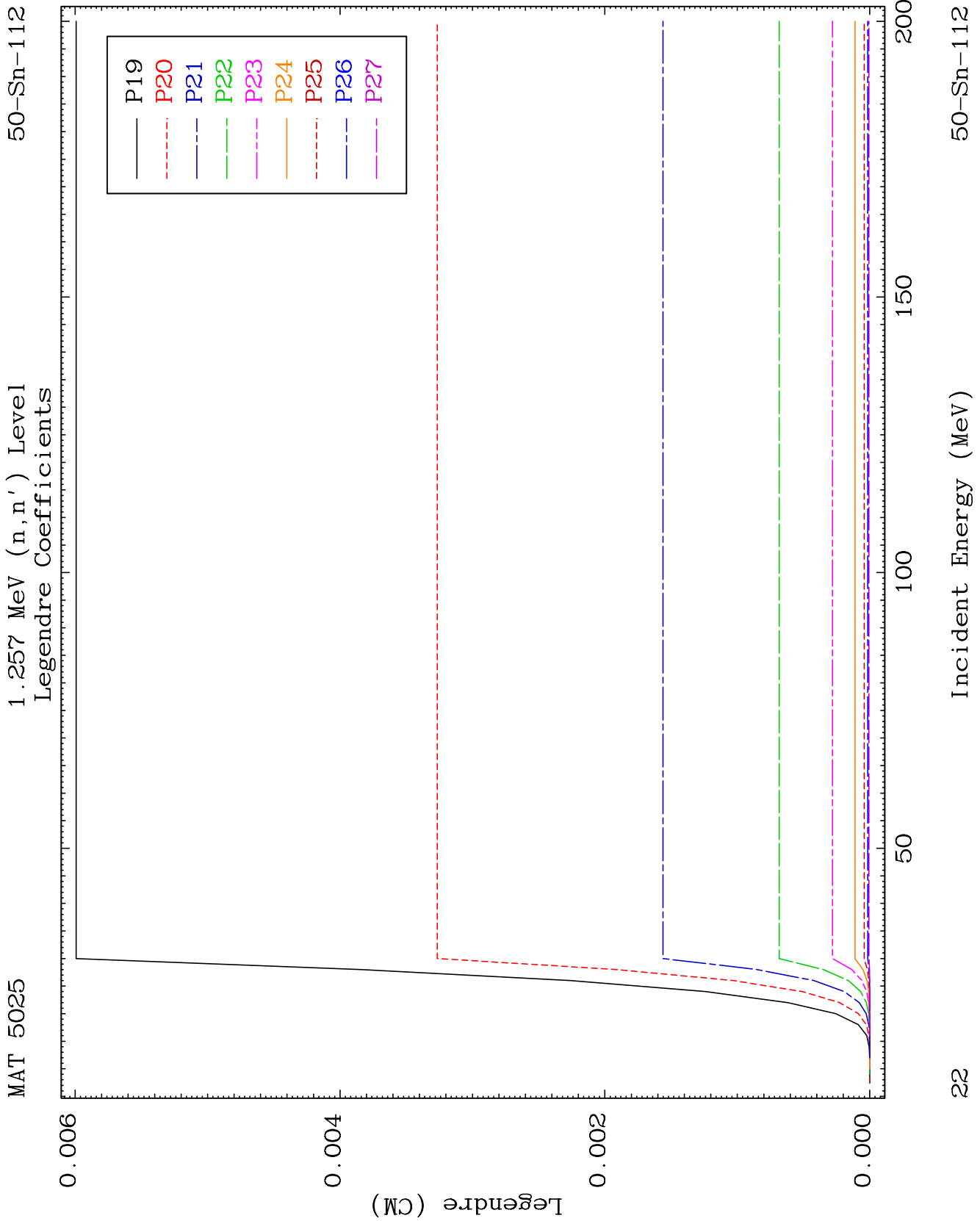
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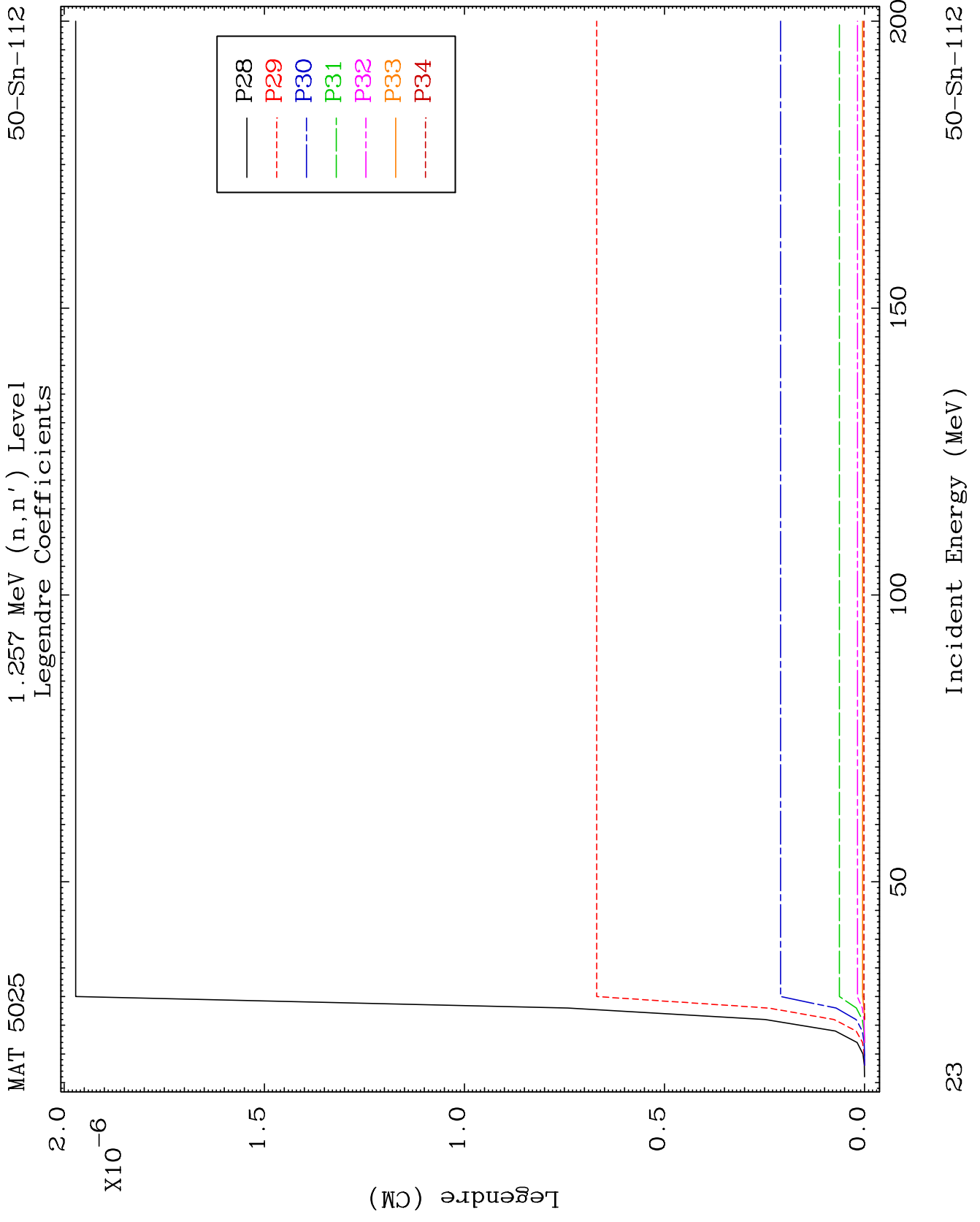


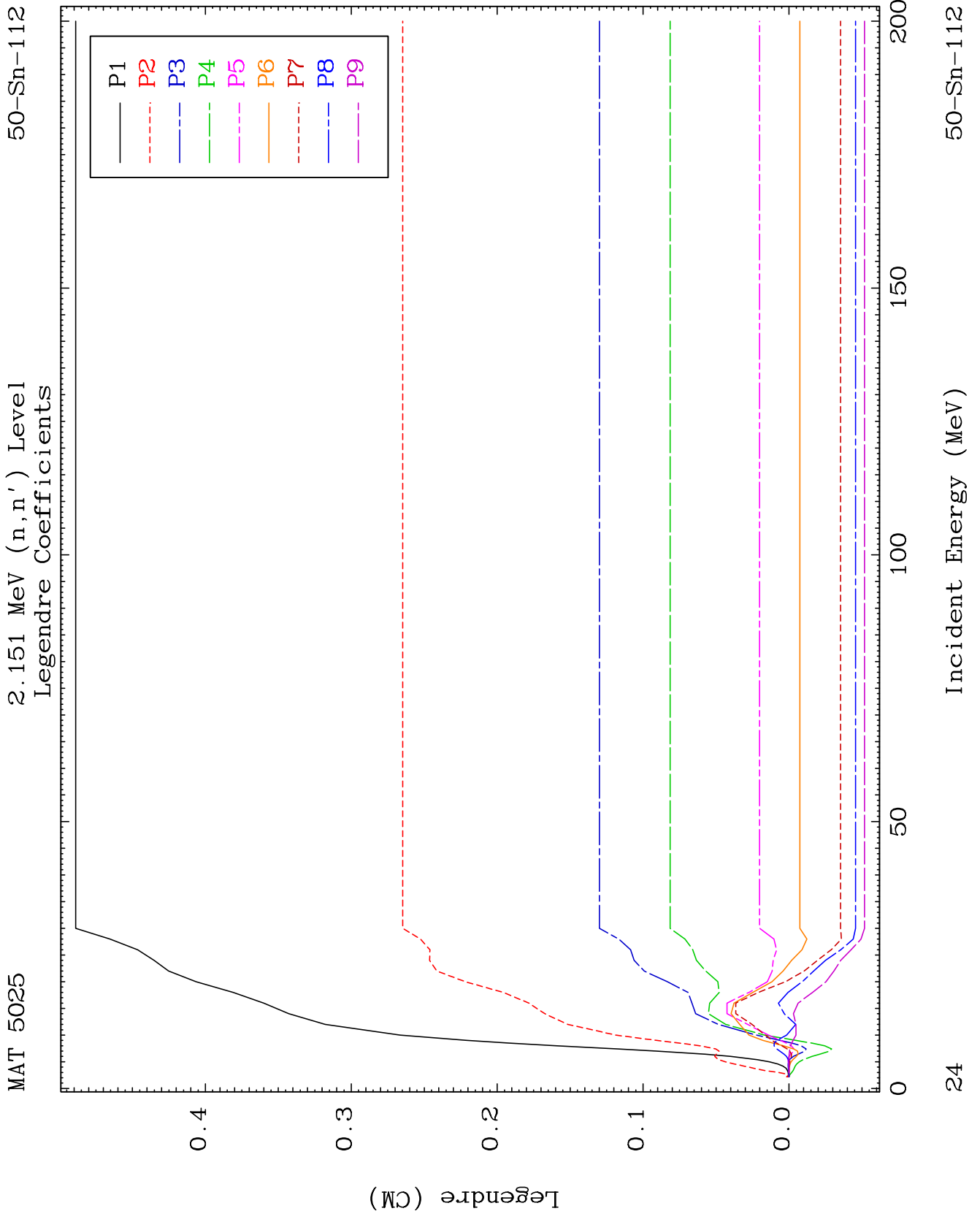
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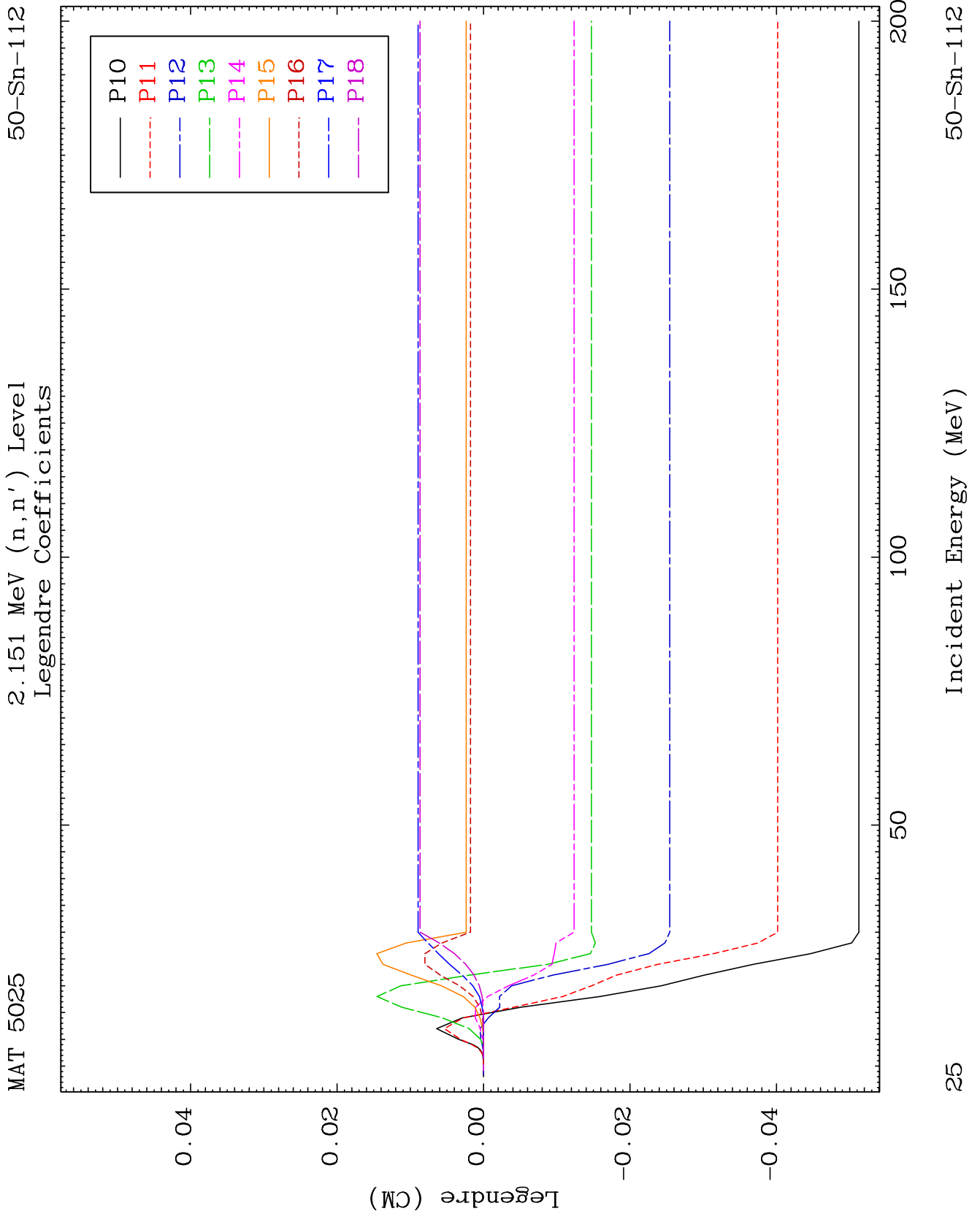
Incident Energy (MeV)

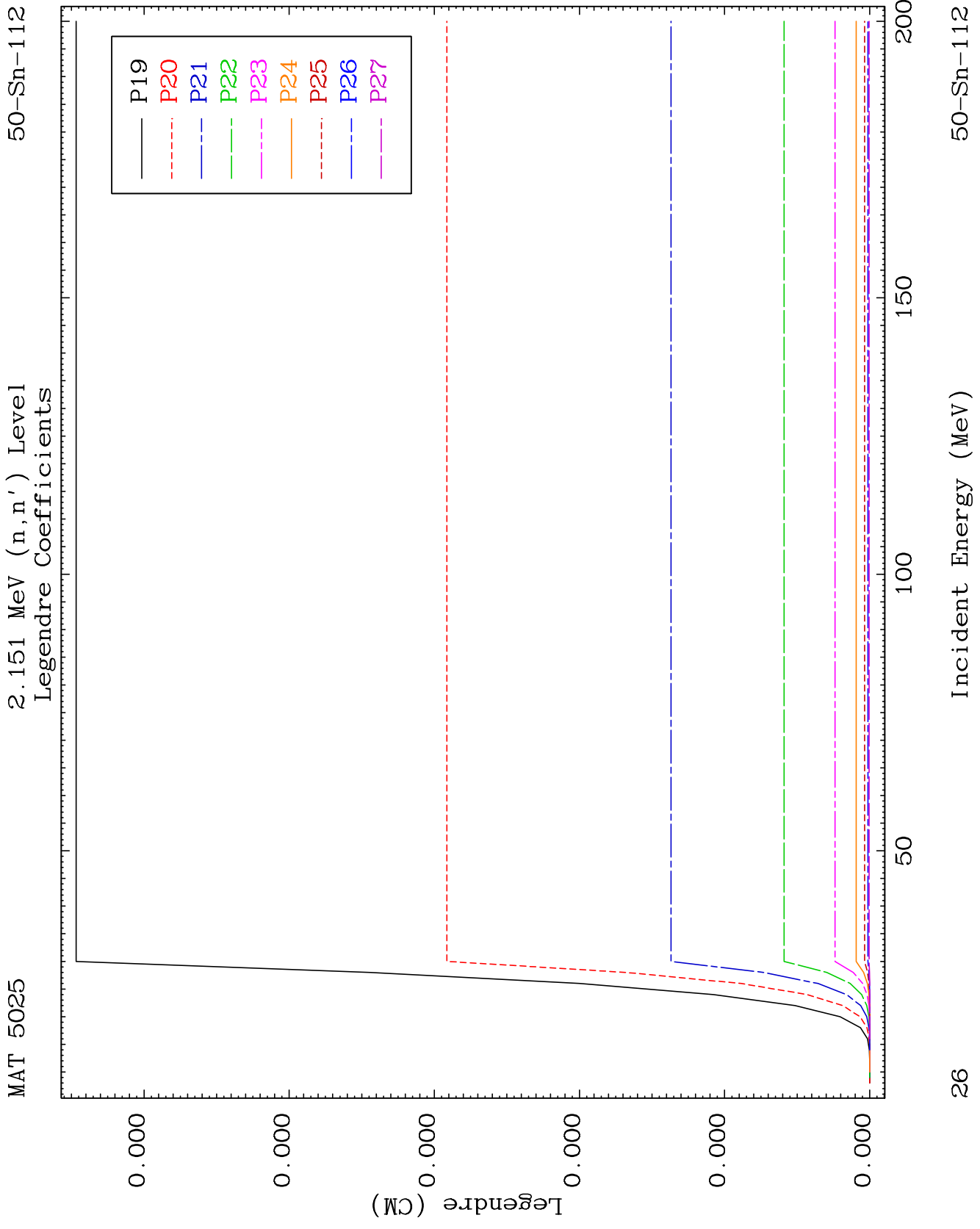
50-Sn-112

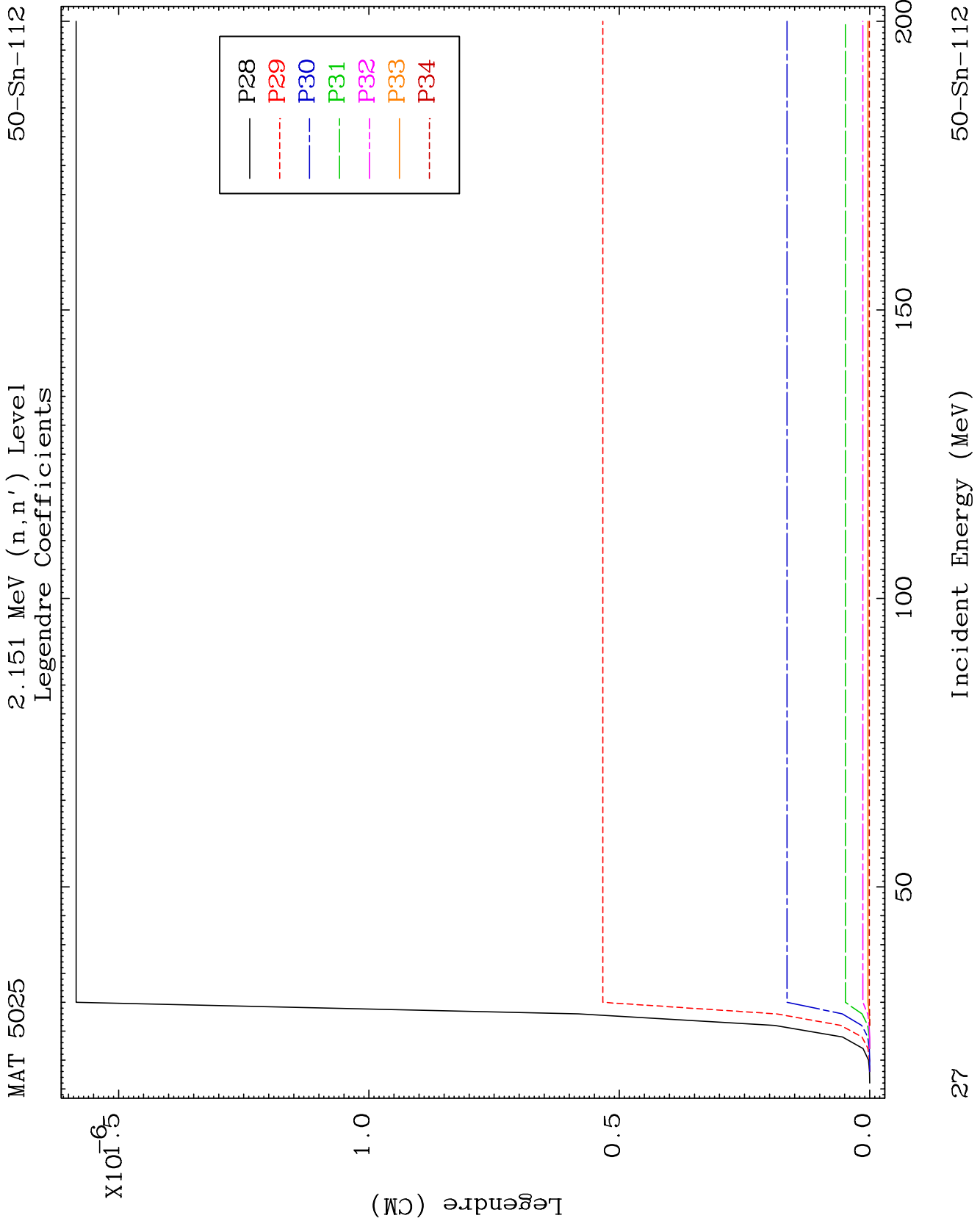


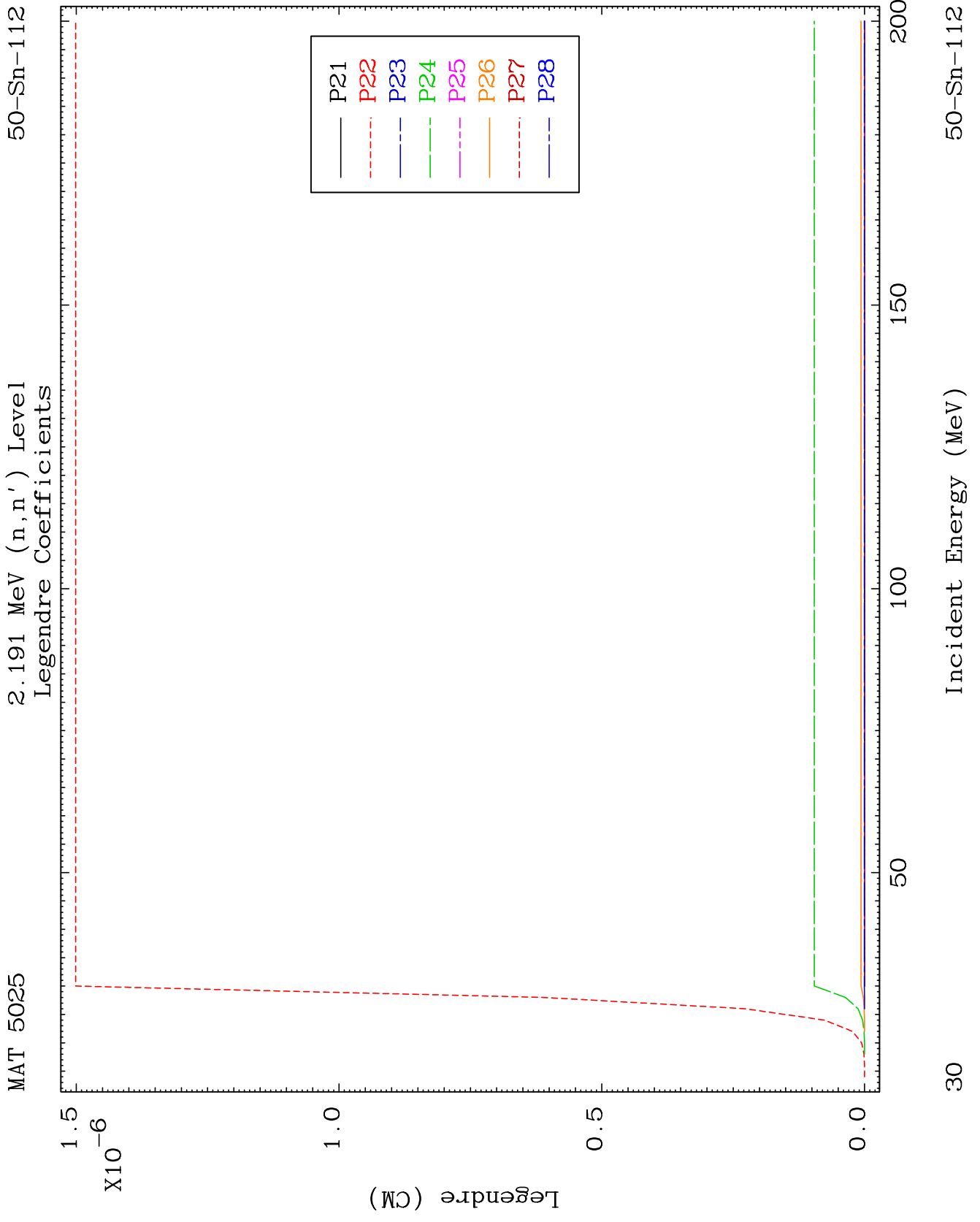


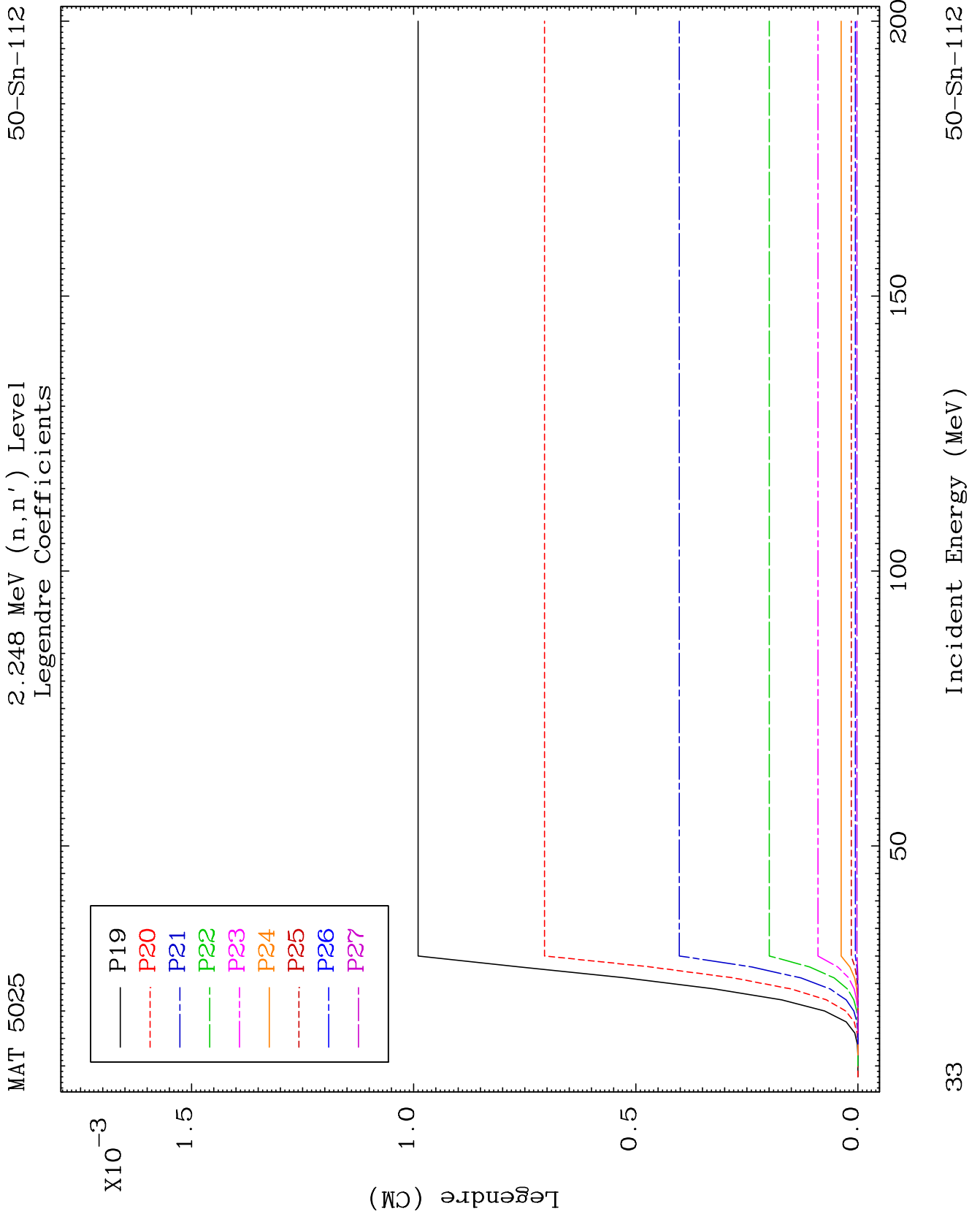


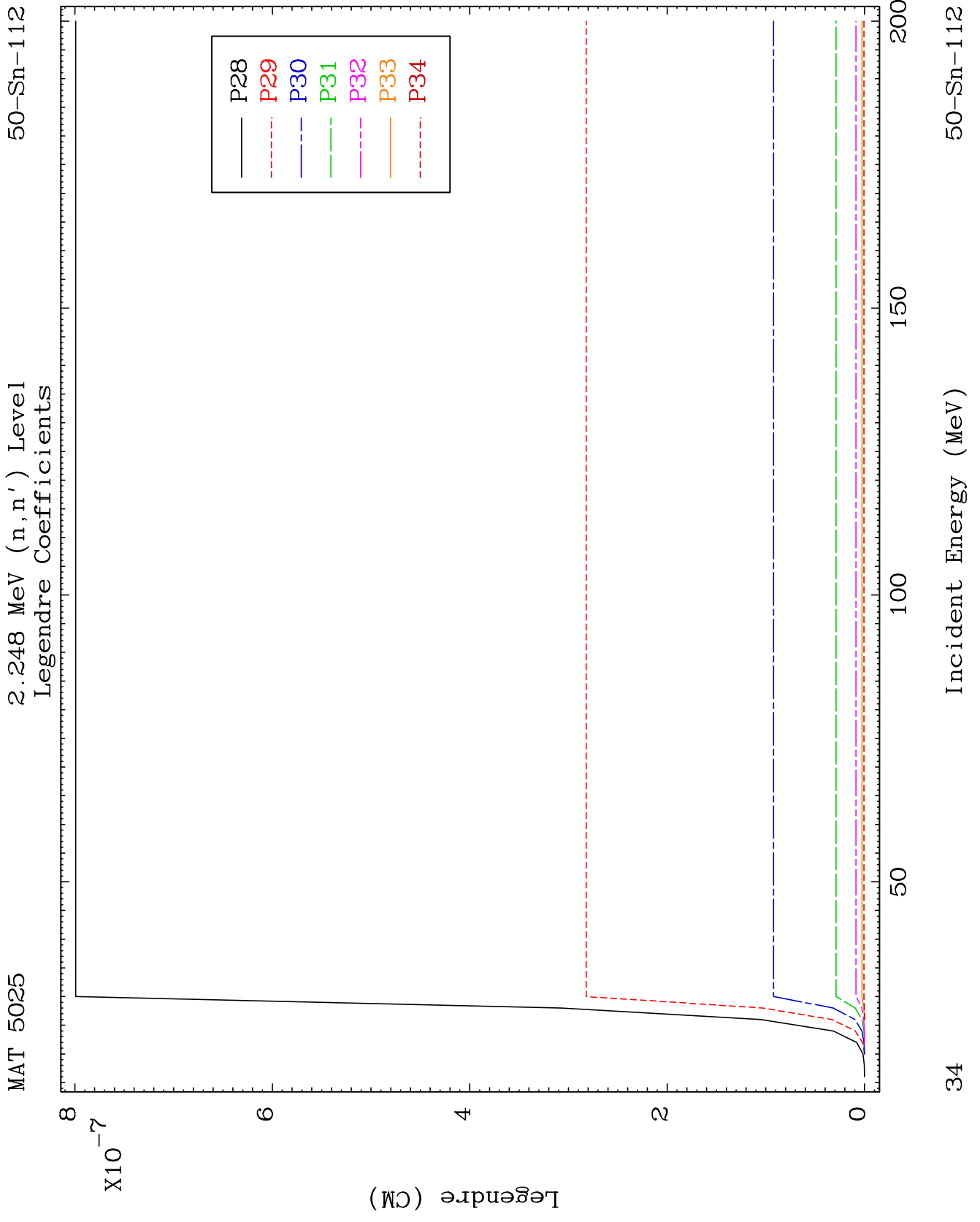


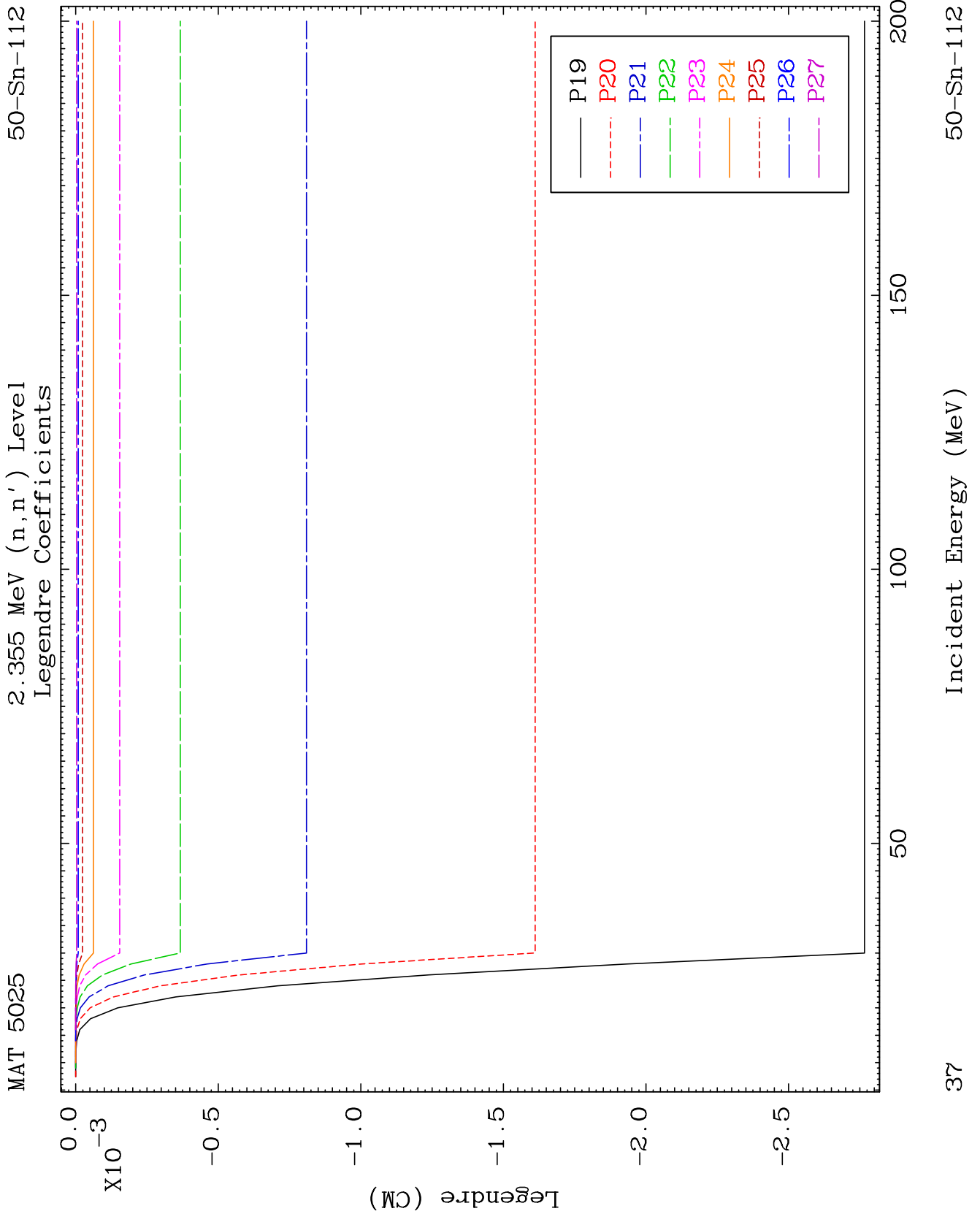


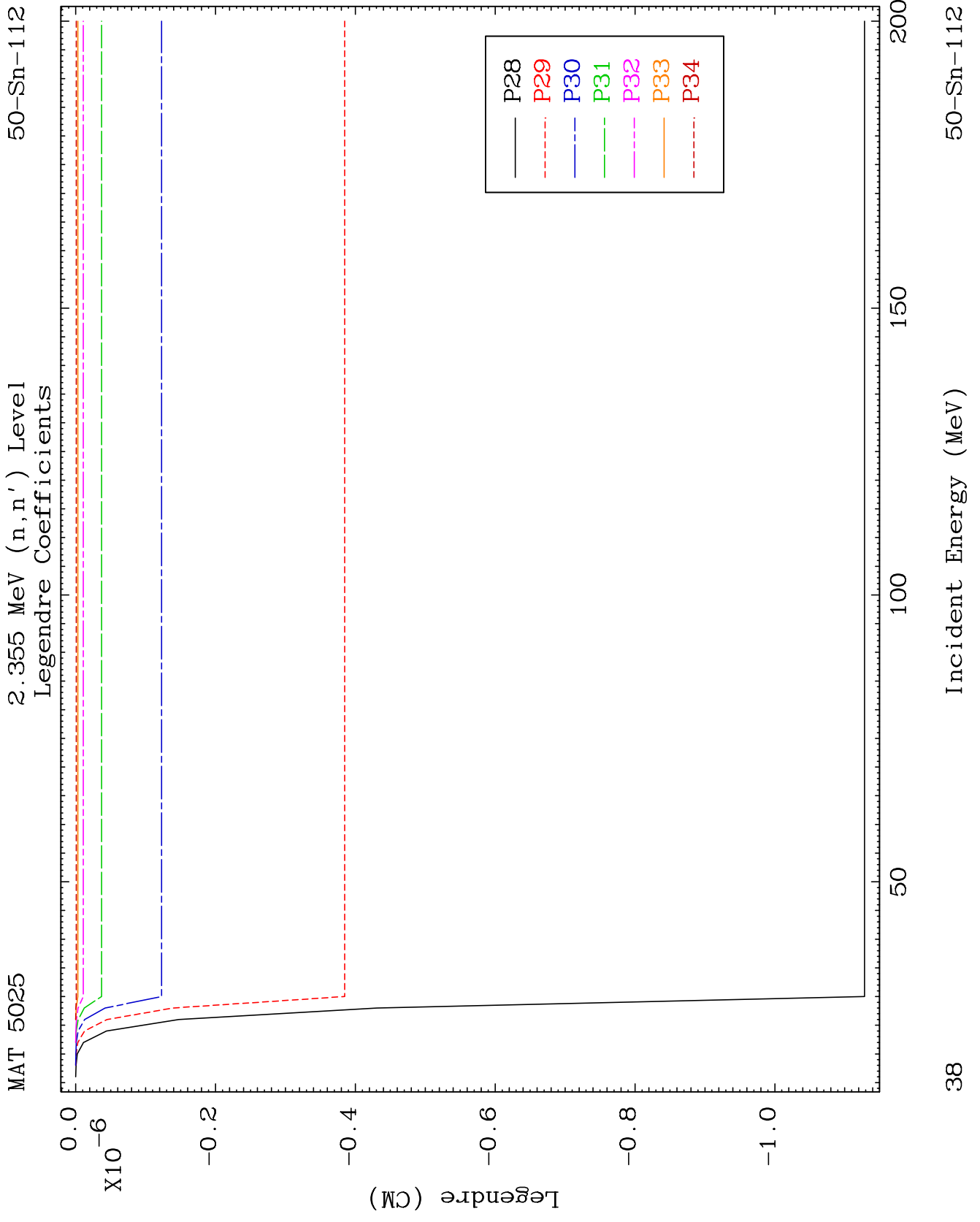


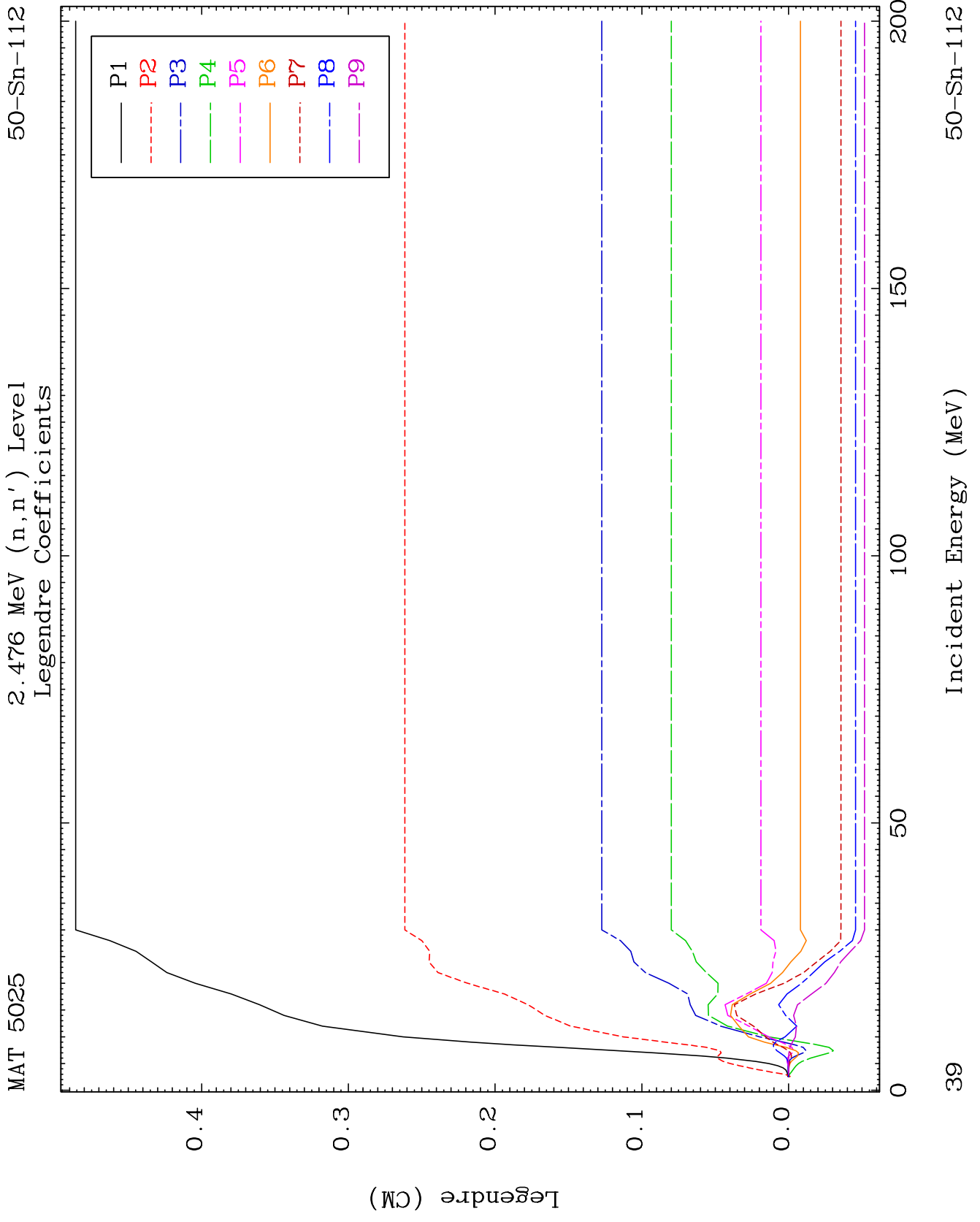


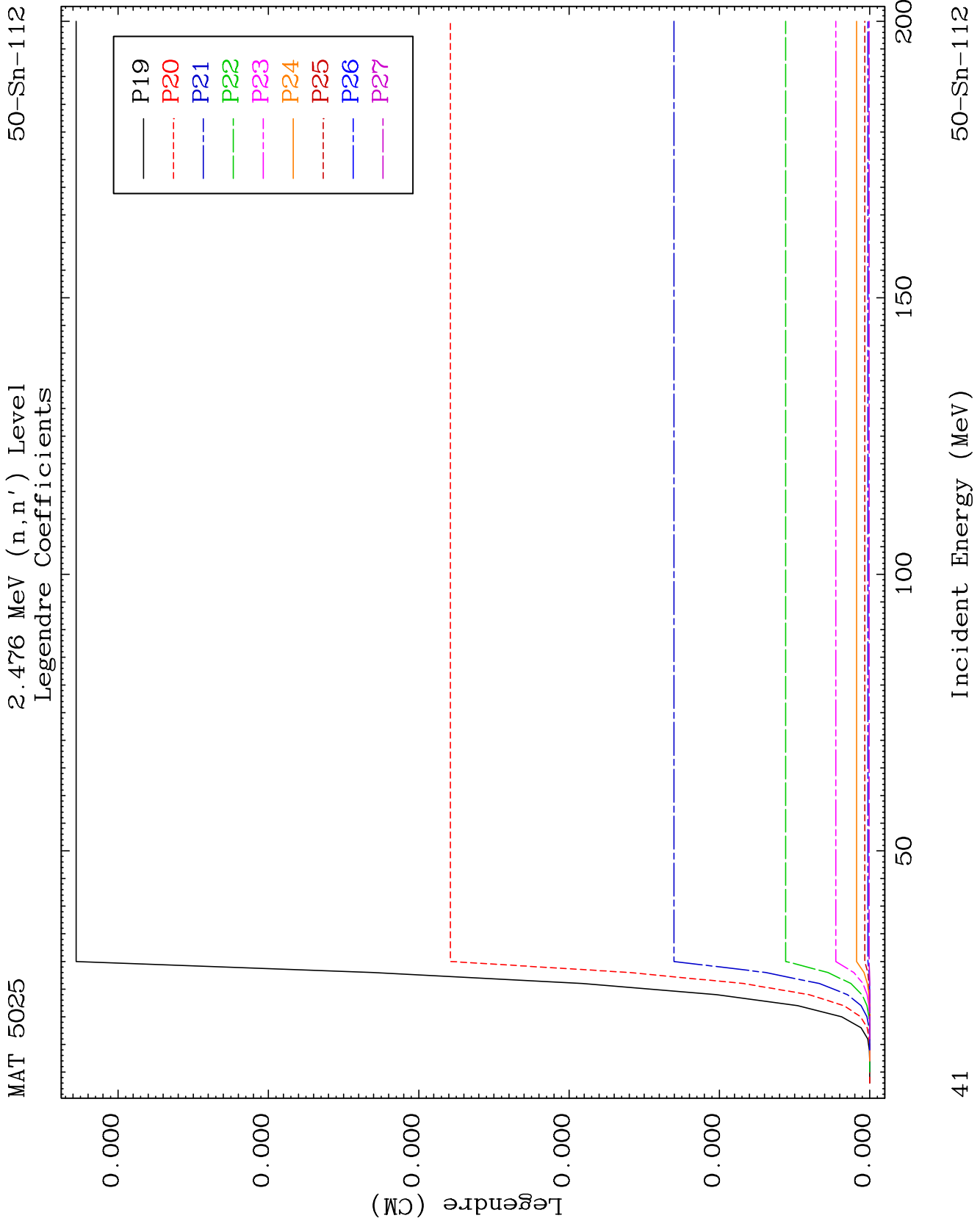


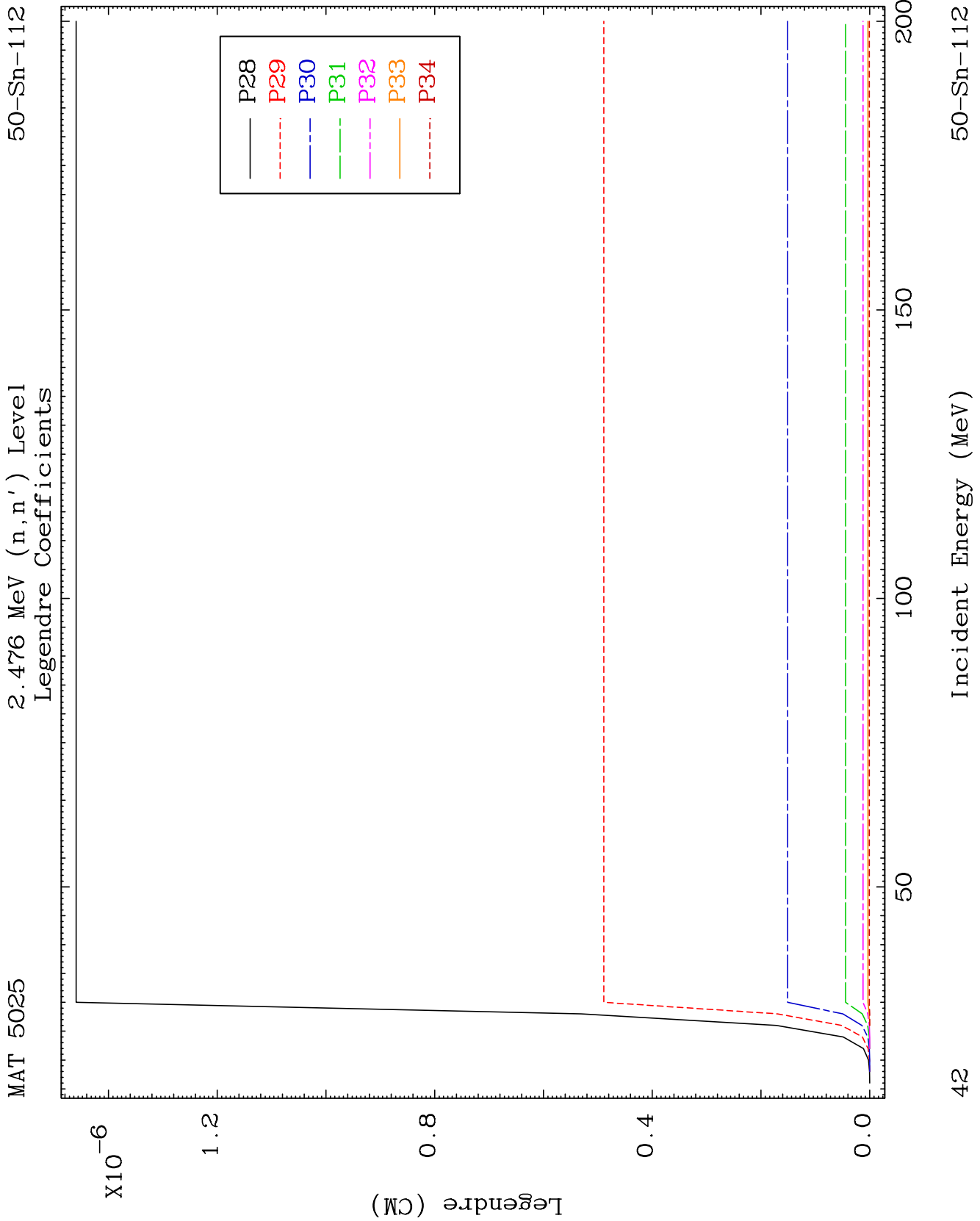


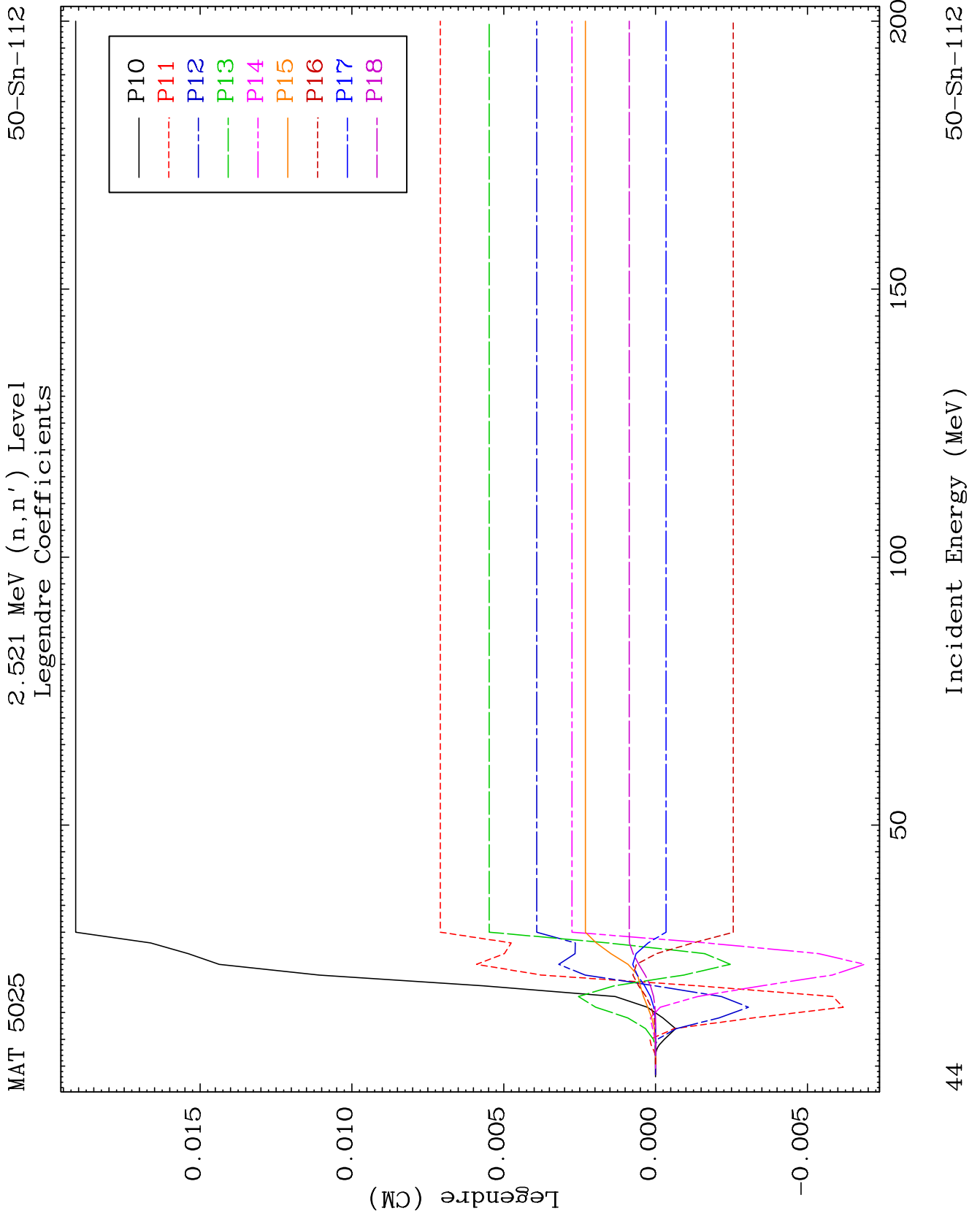


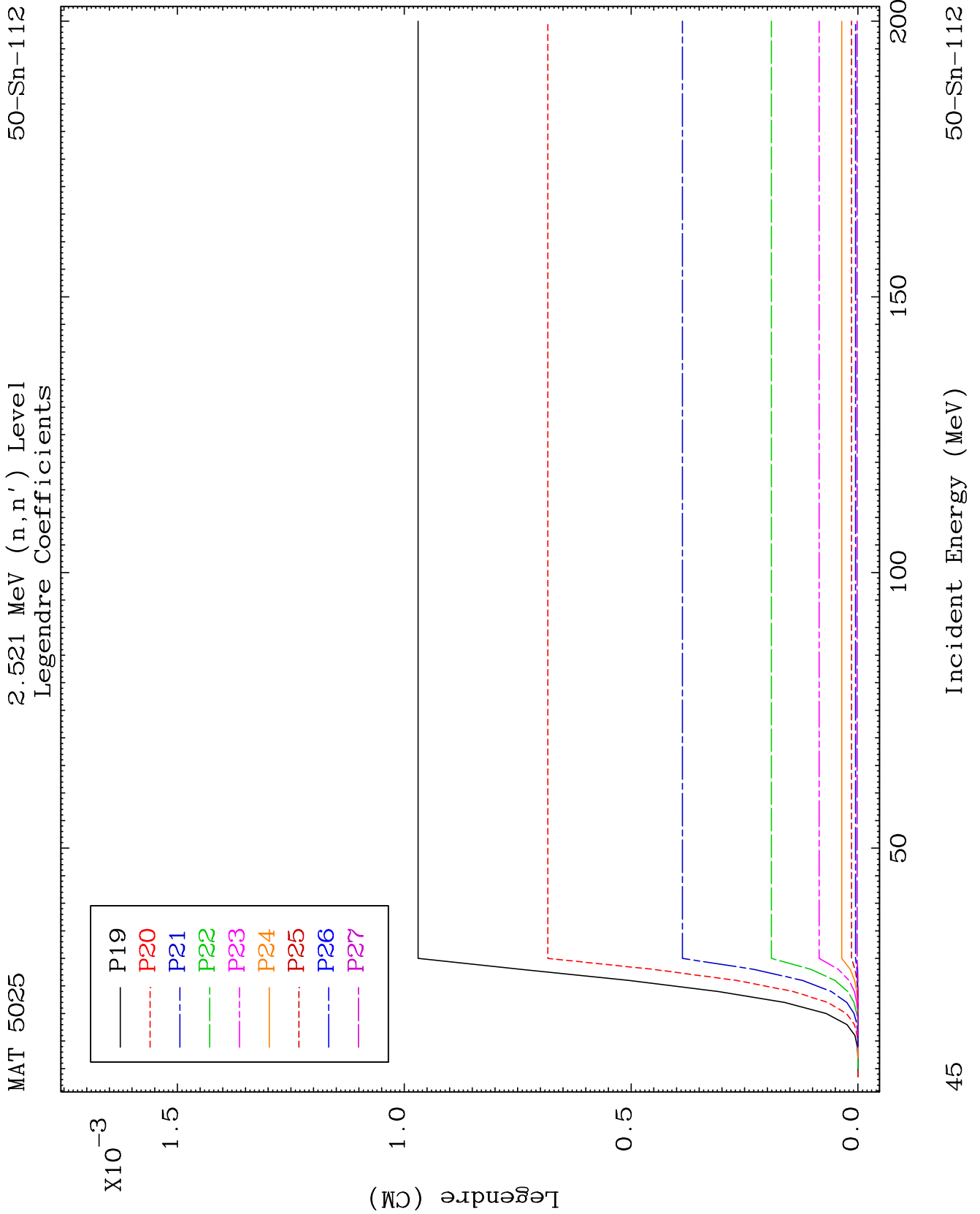


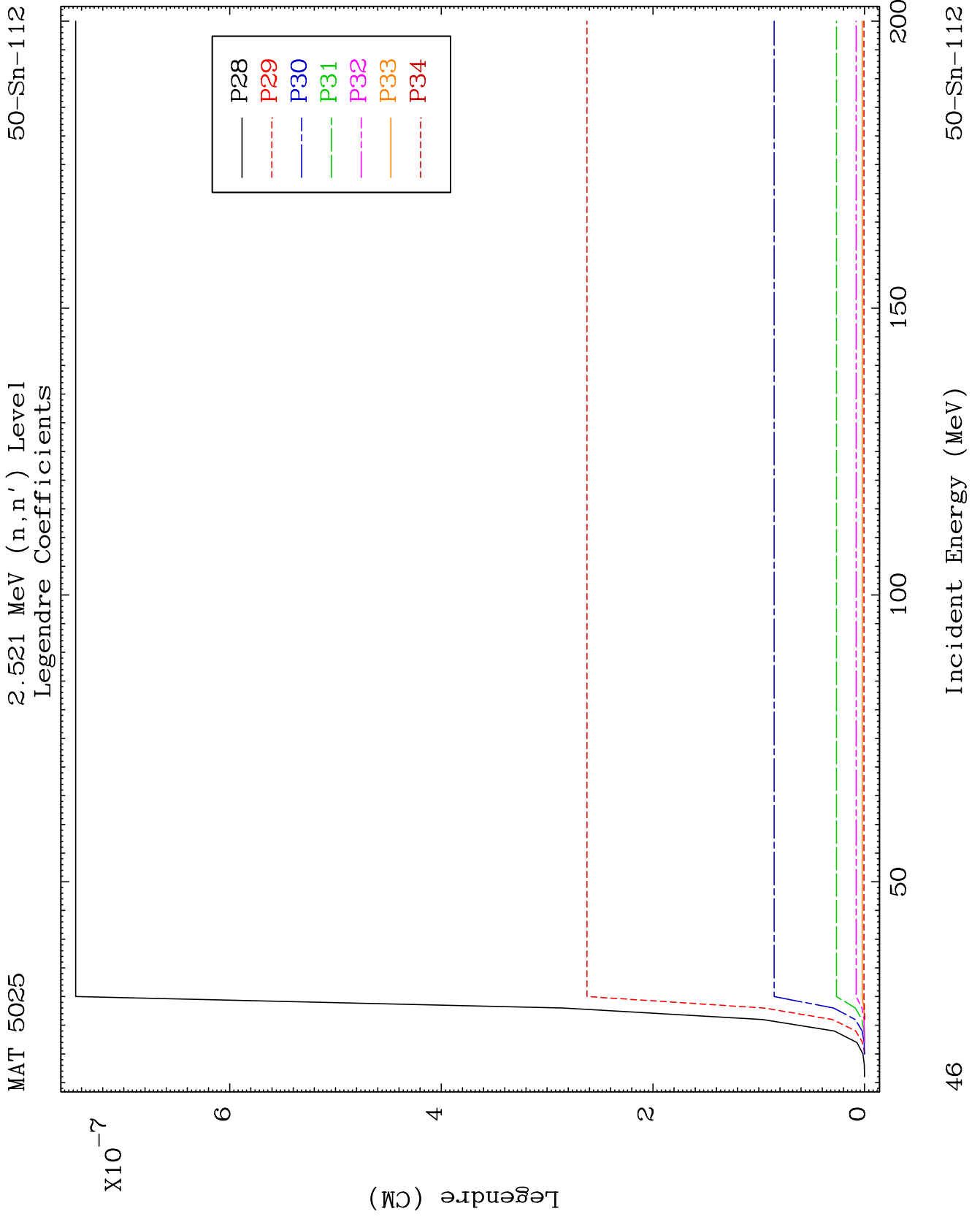


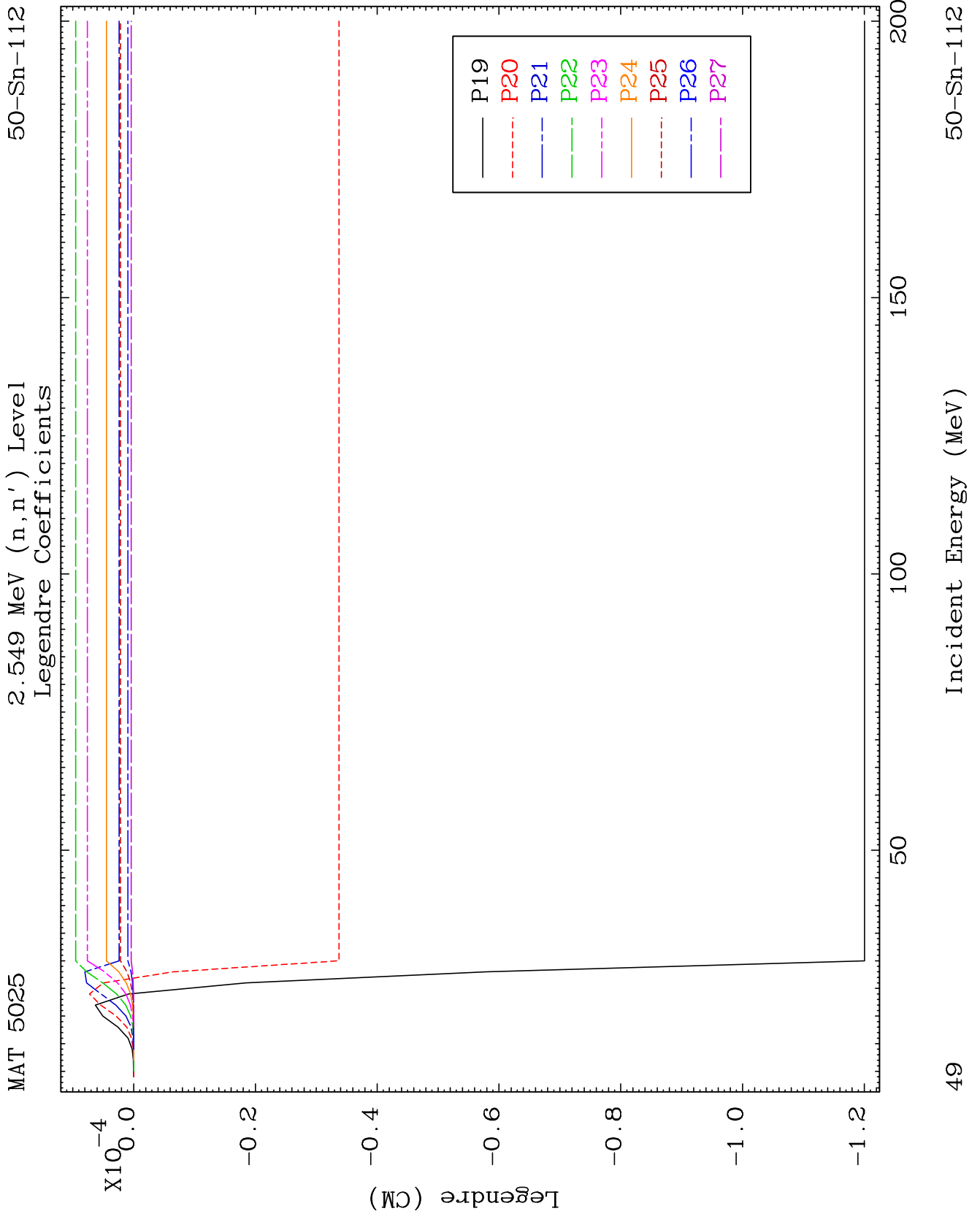


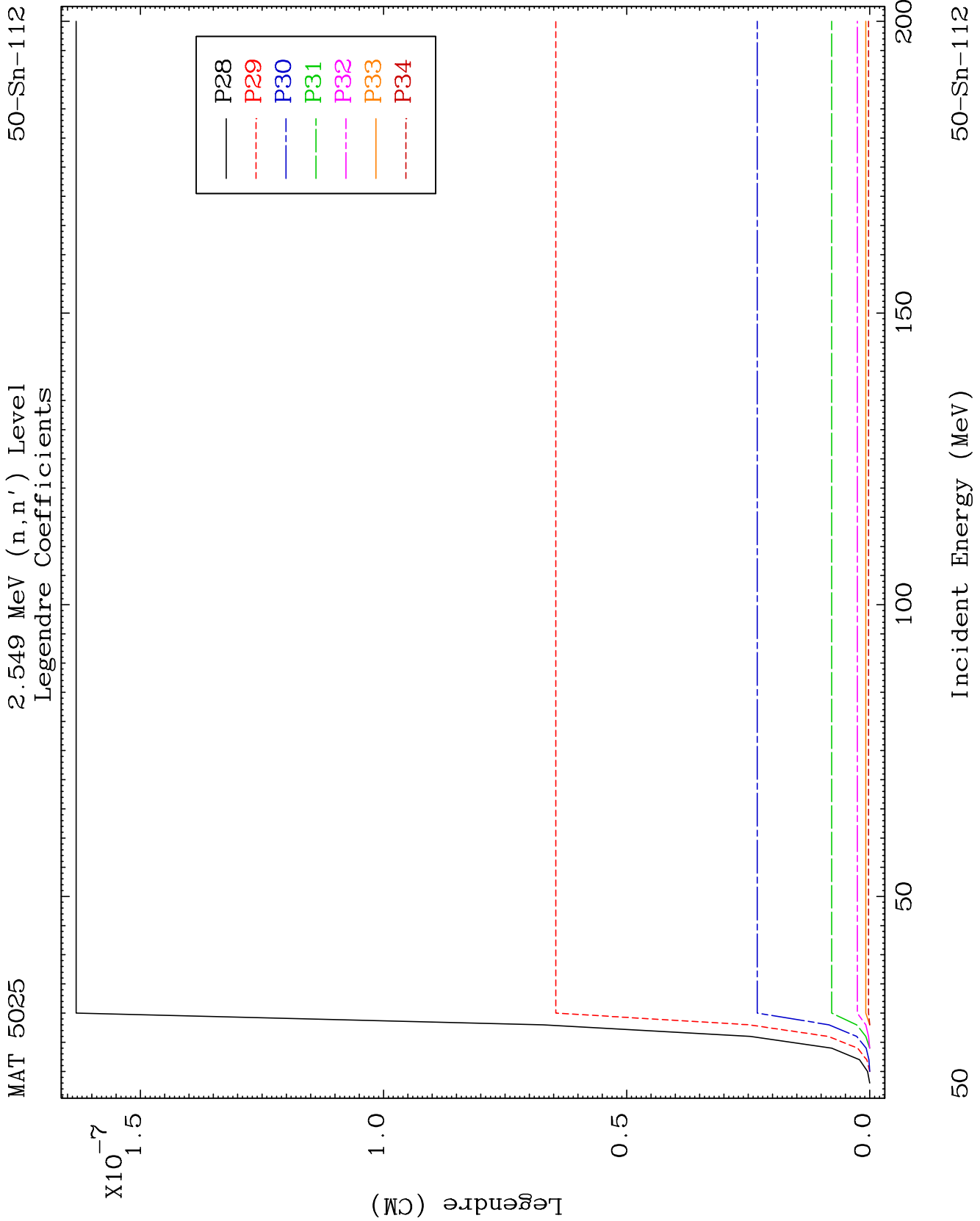


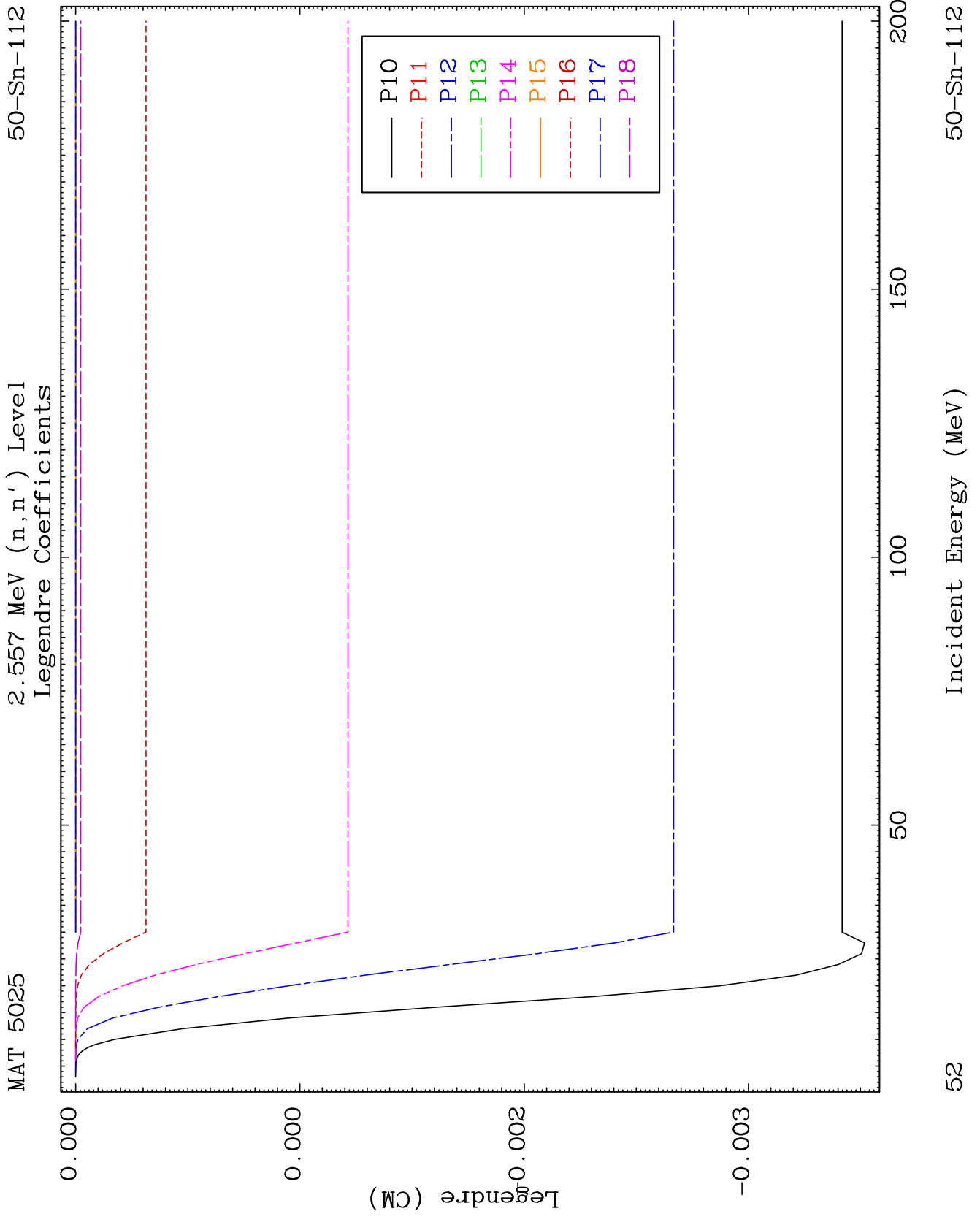


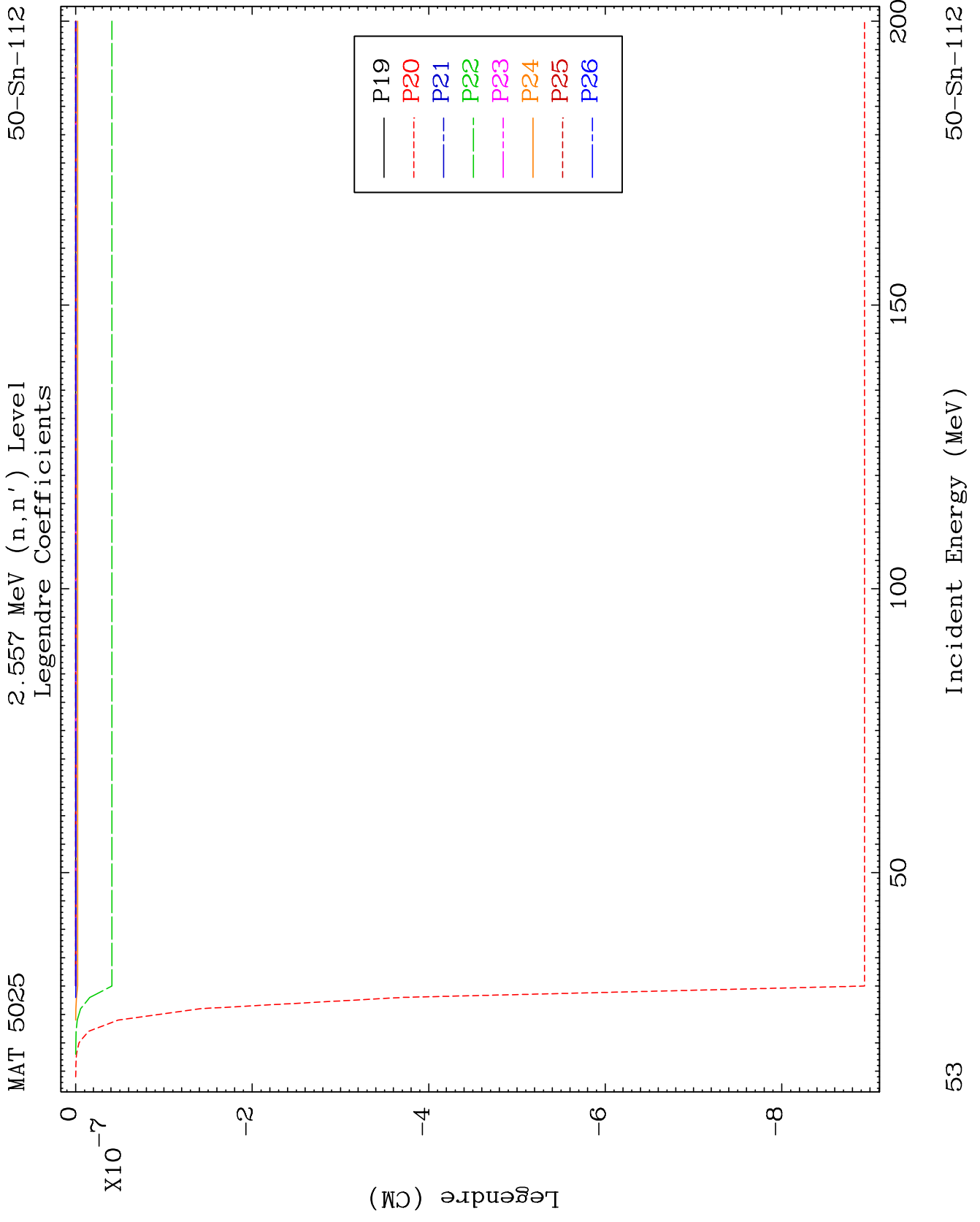


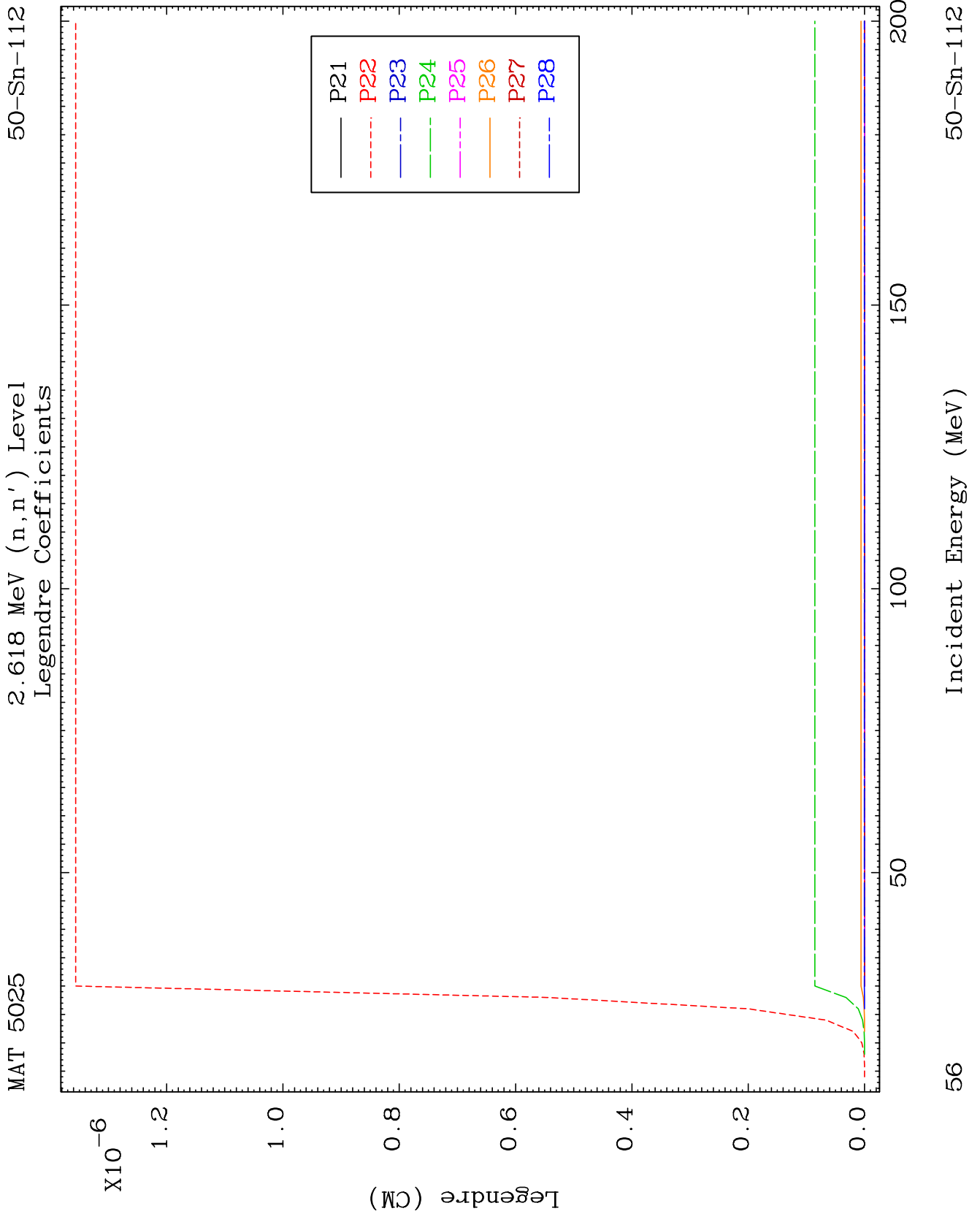








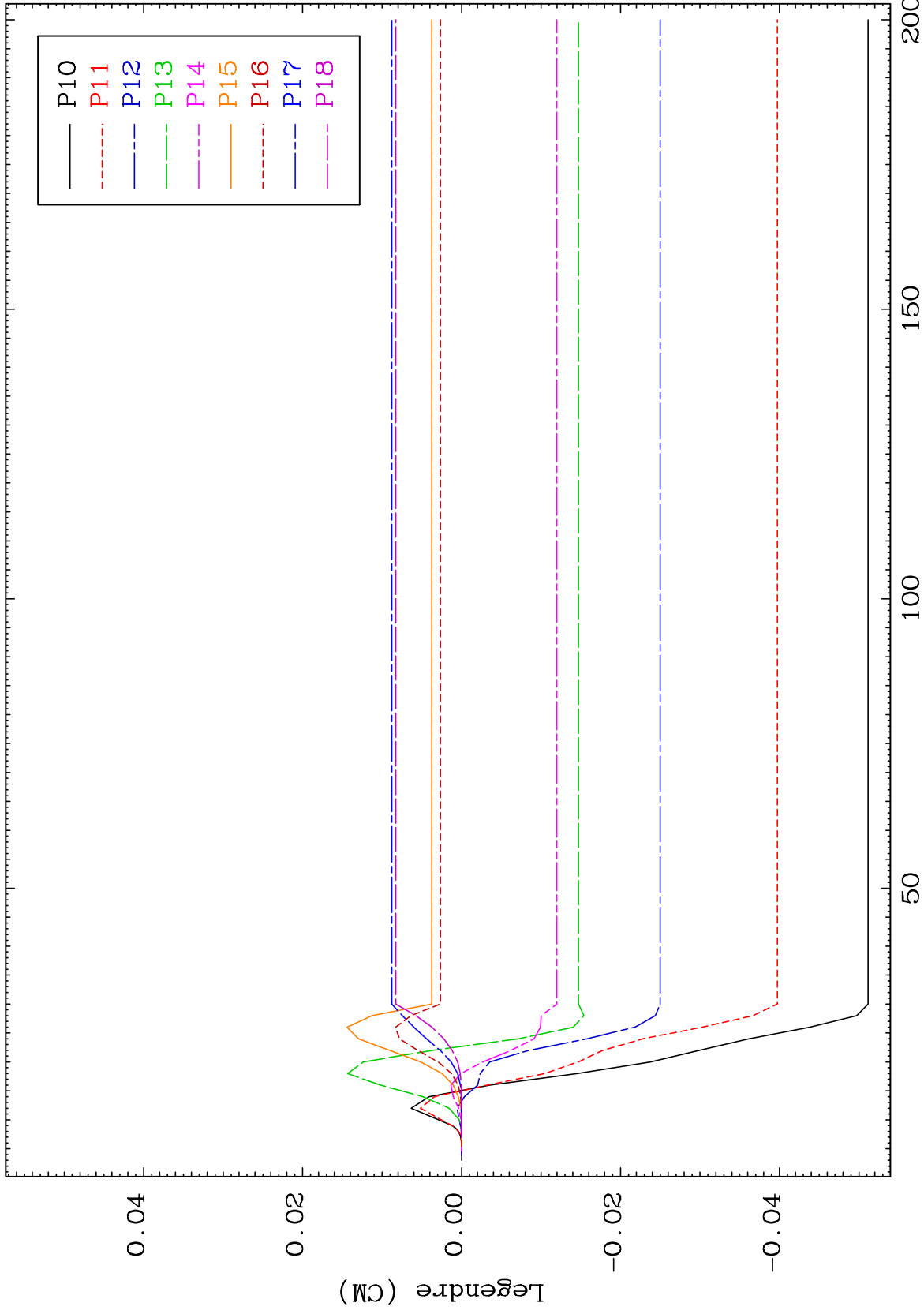




MAT 5025

2.722 MeV (n,n') Level
Legendre Coefficients

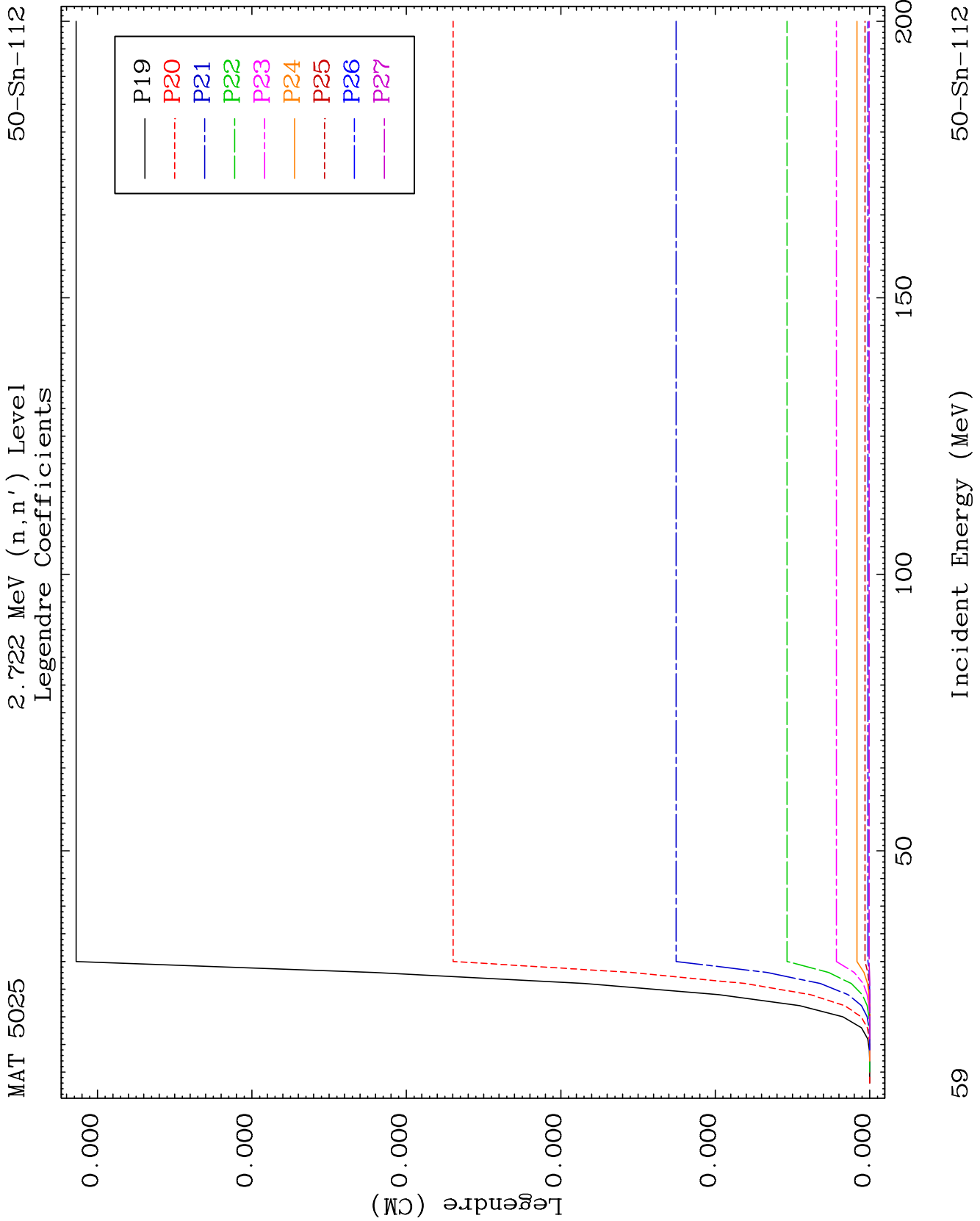
50-Sn-112

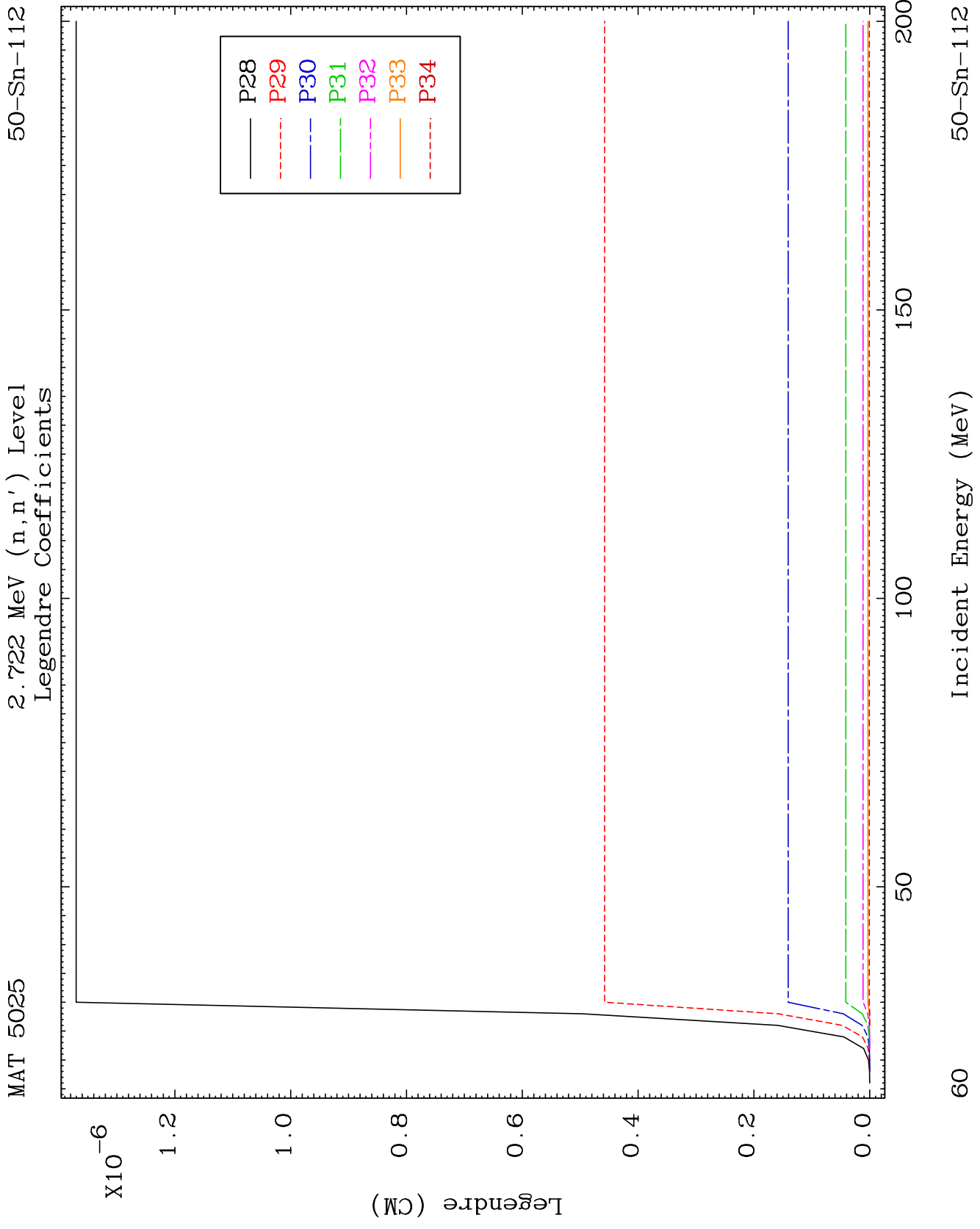


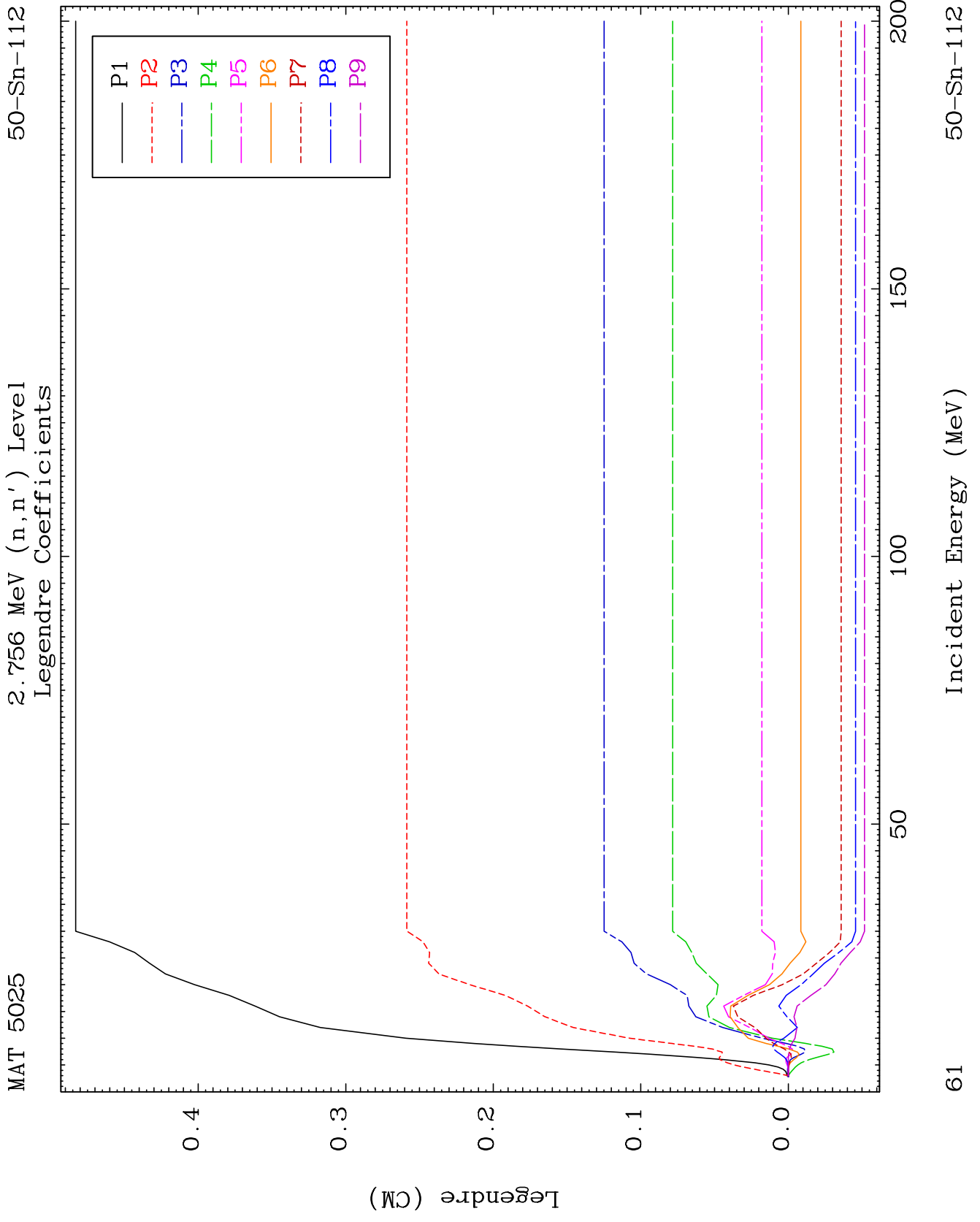
58

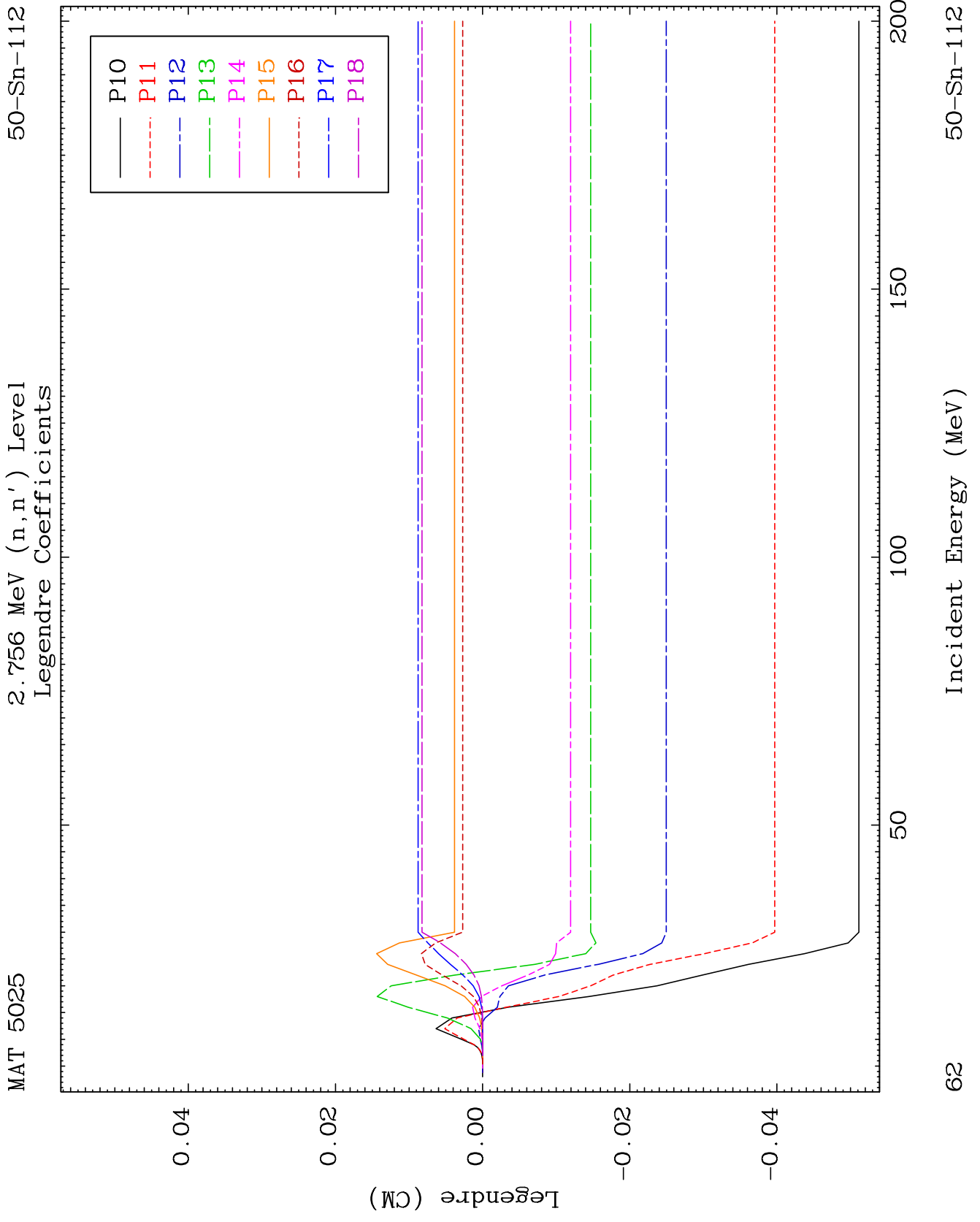
Incident Energy (MeV)

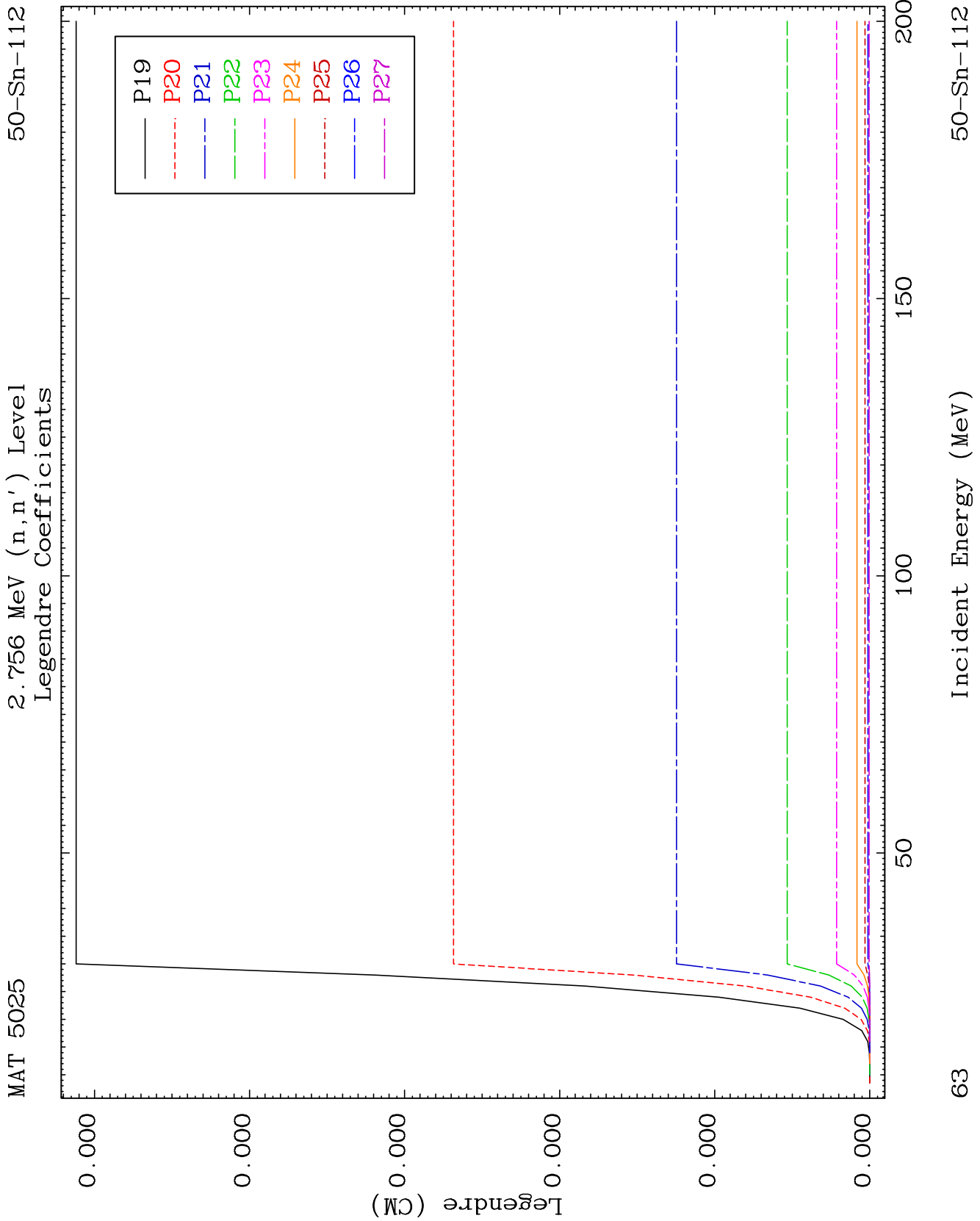
50-Sn-112

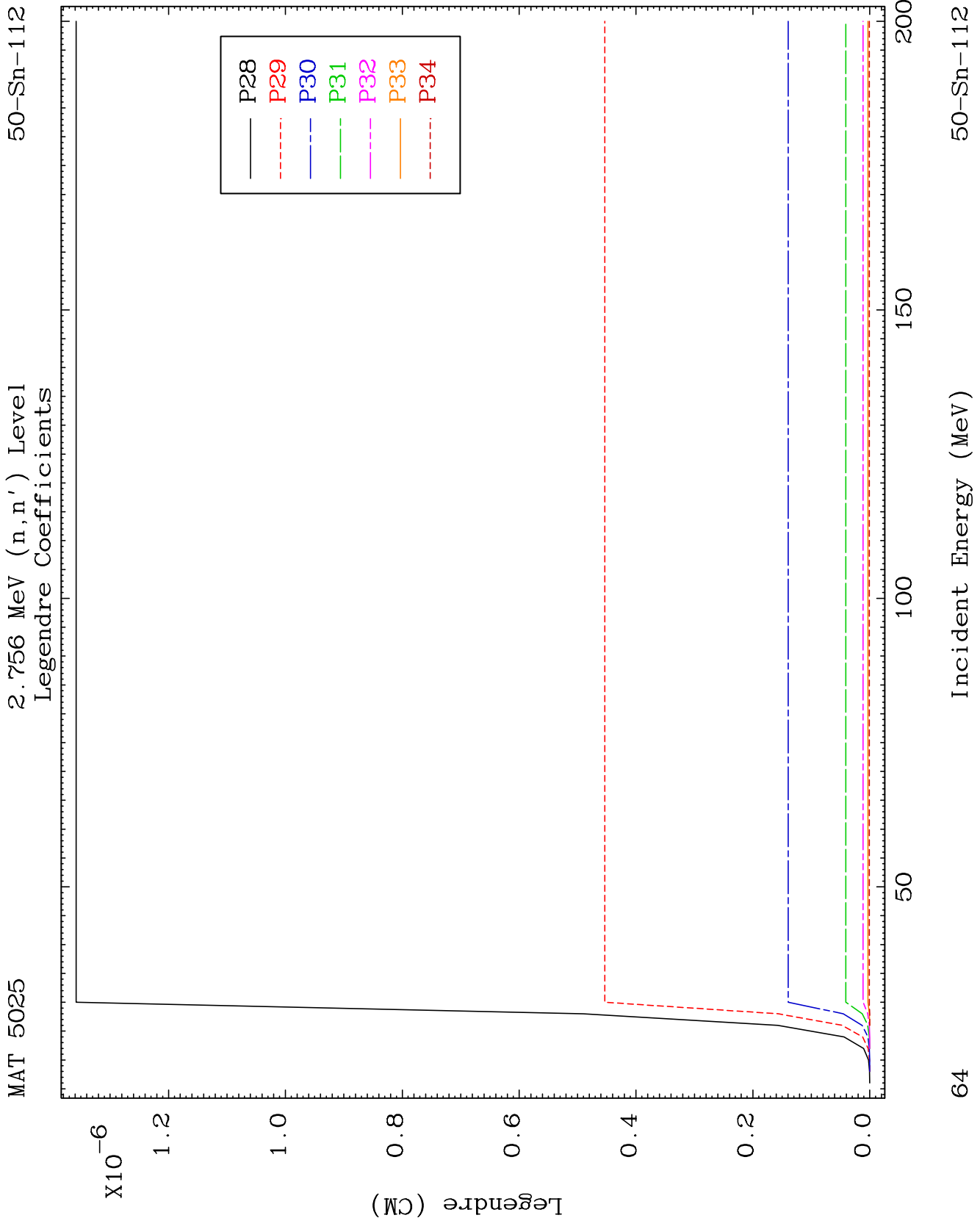


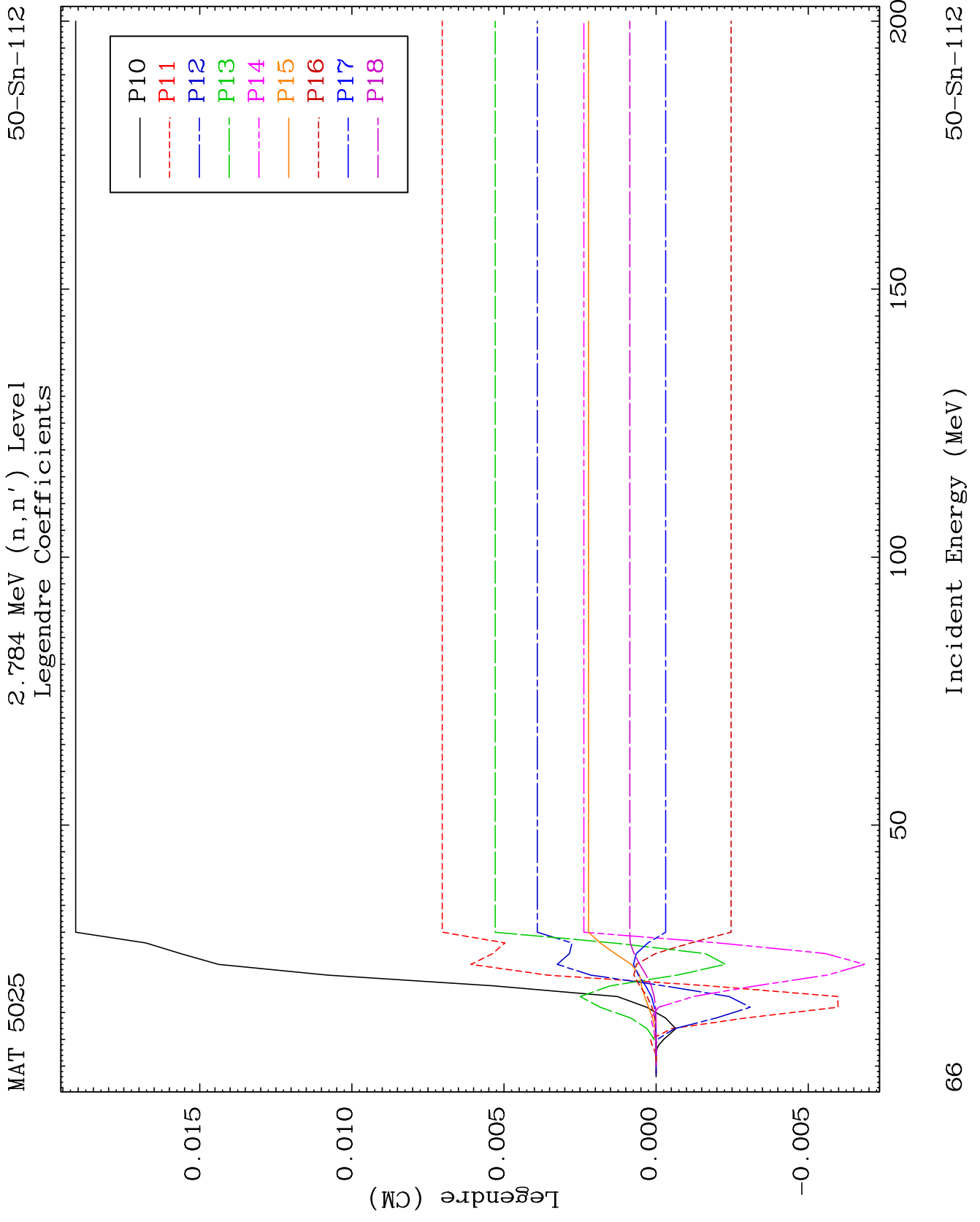








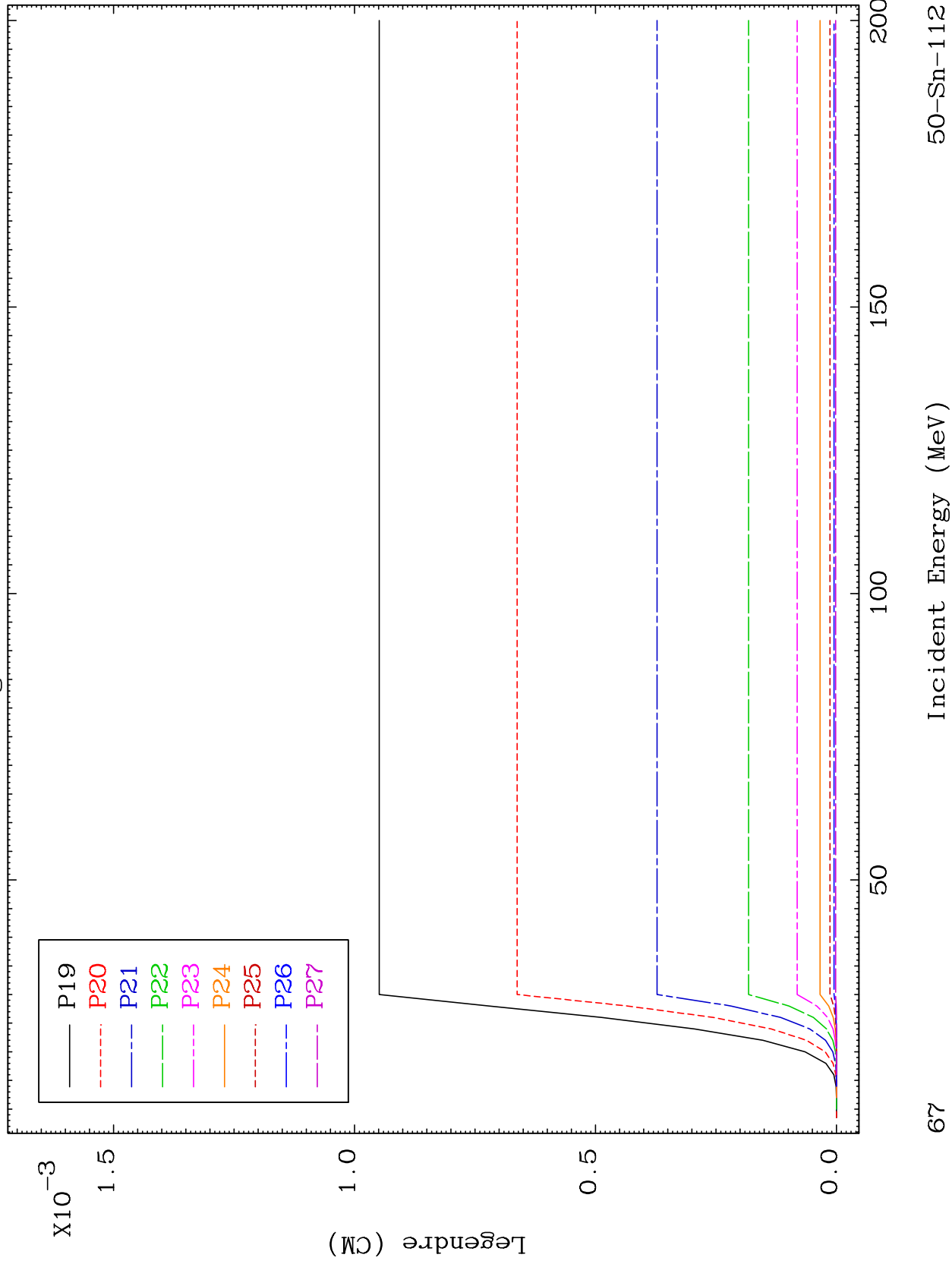


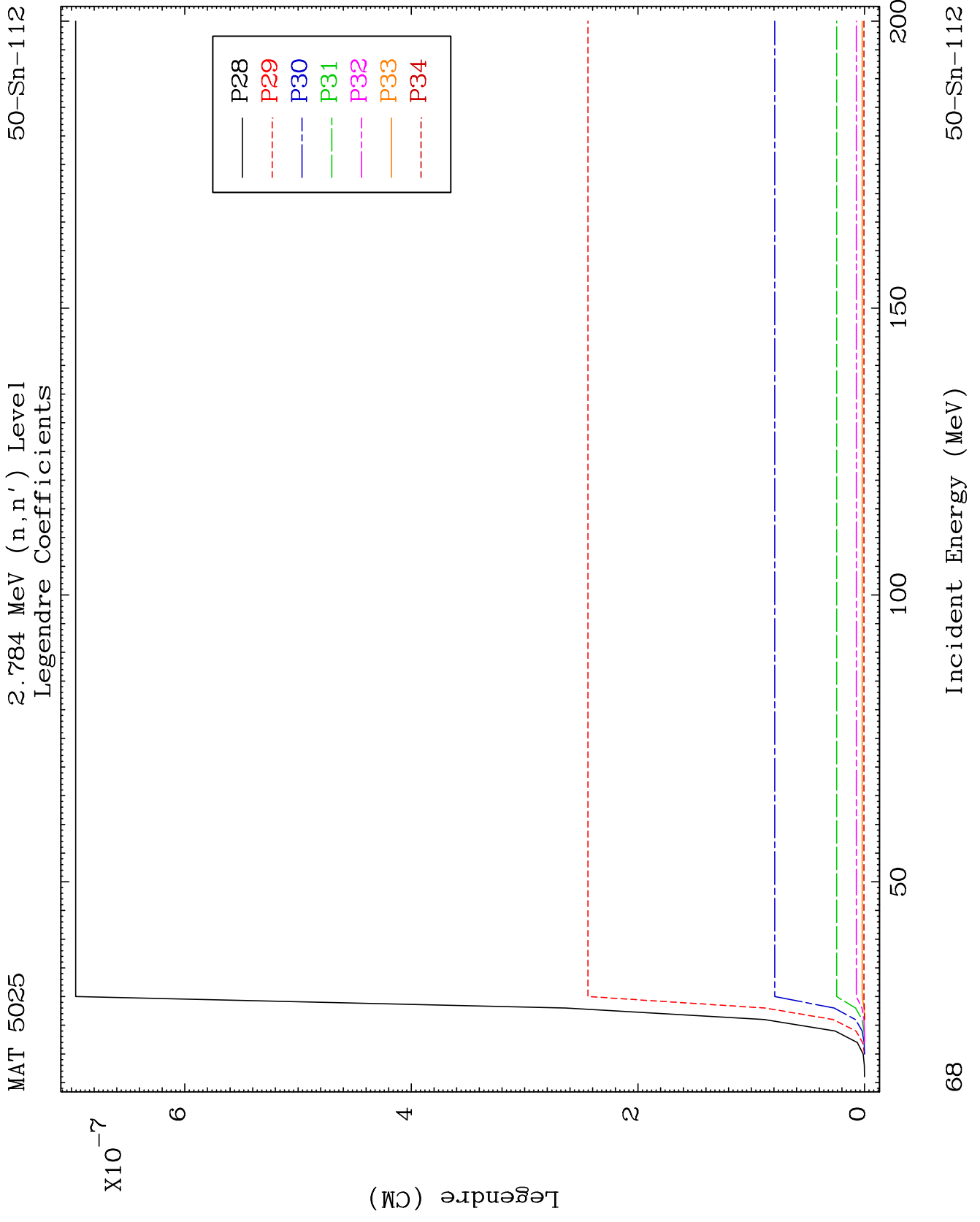


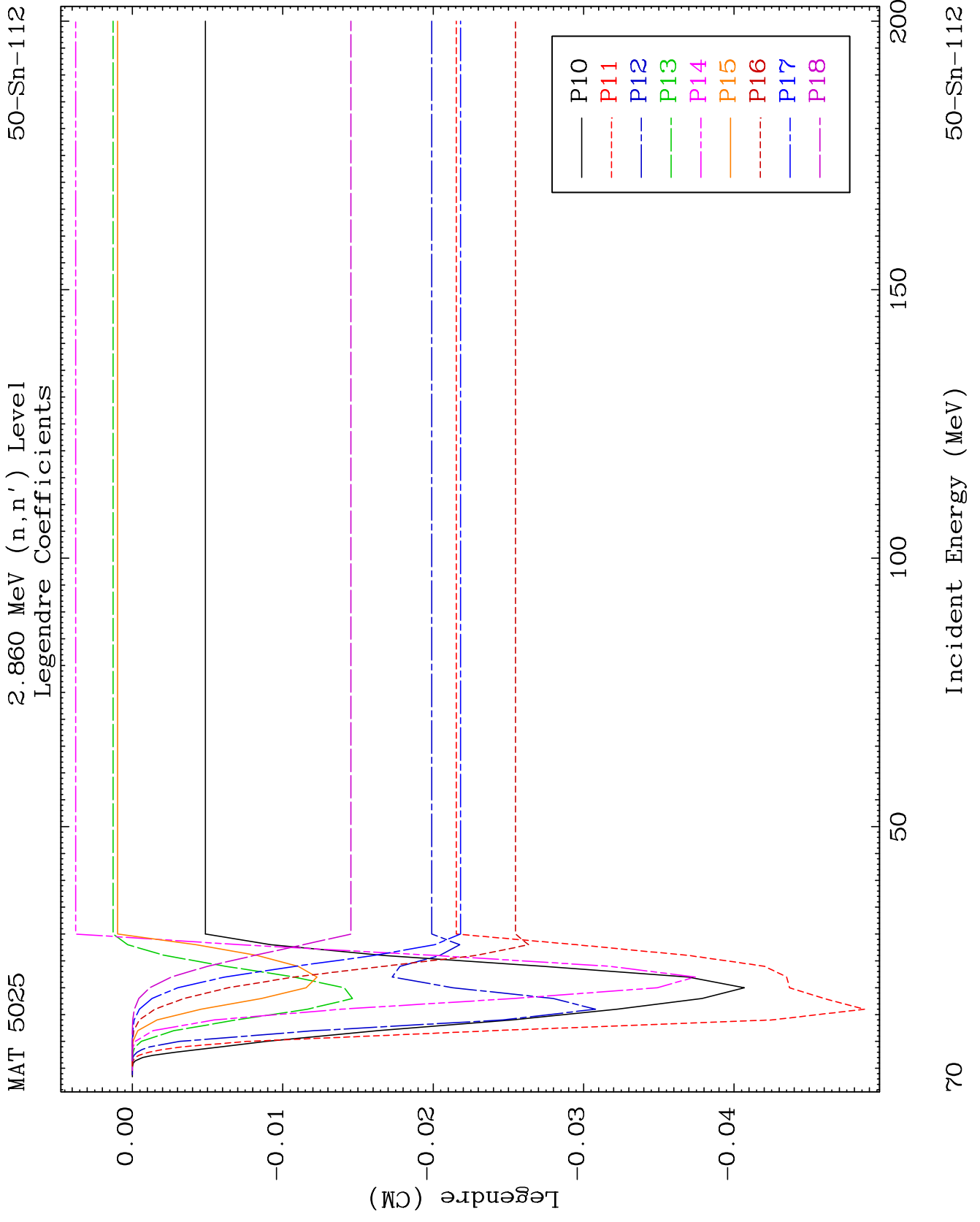
MAT 5025

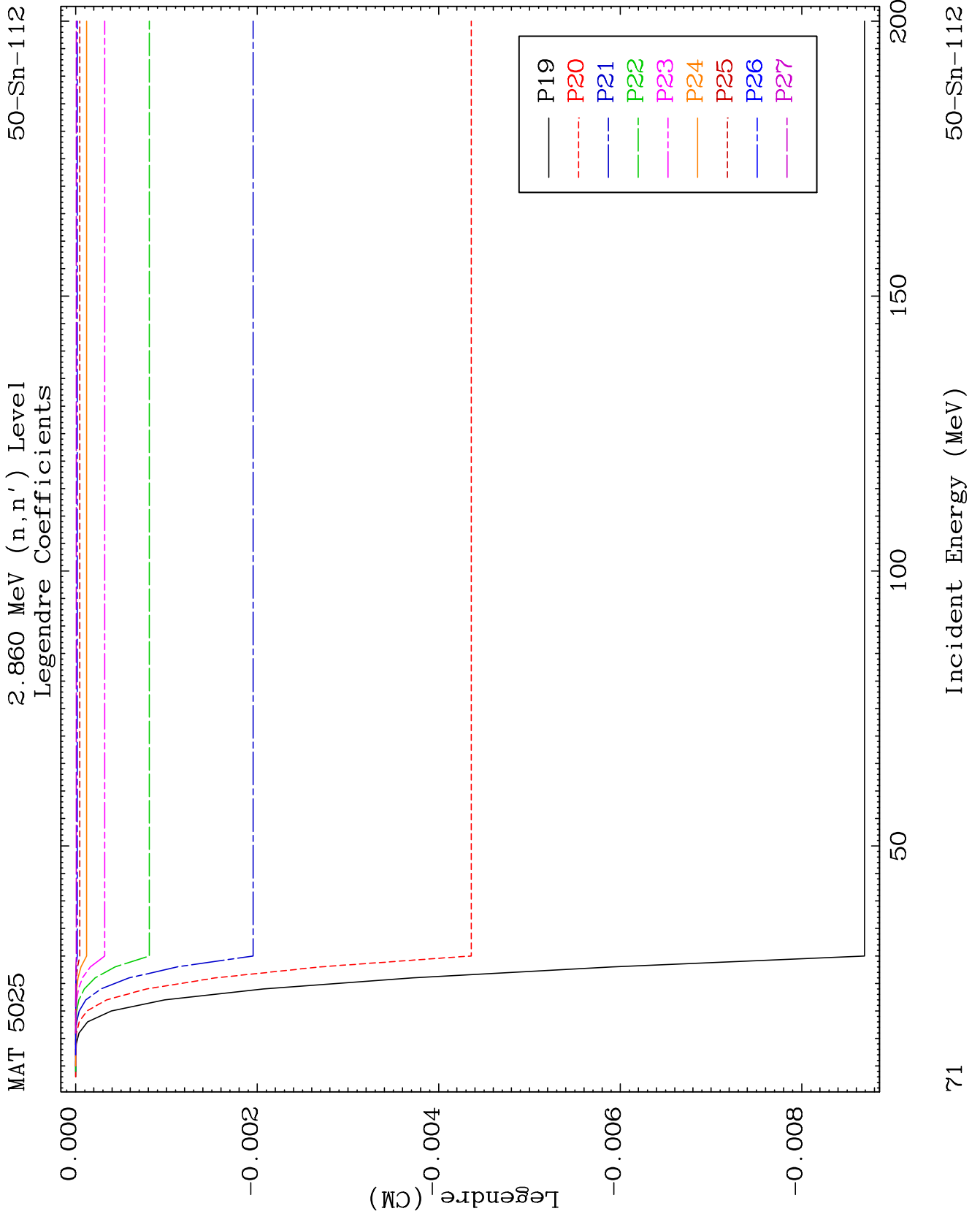
2.784 MeV (n,n') Level
Legendre Coefficients

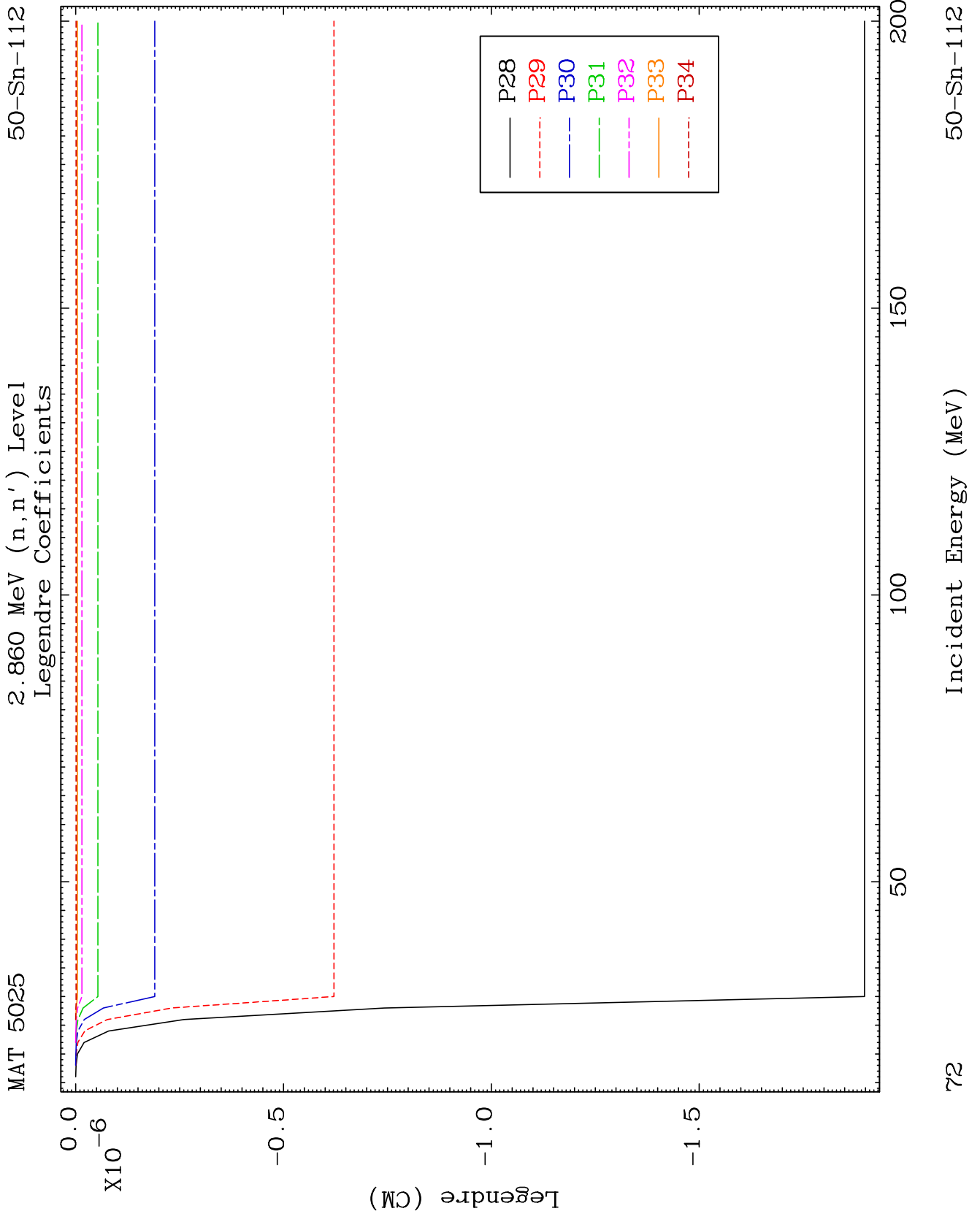
50-Sn-112

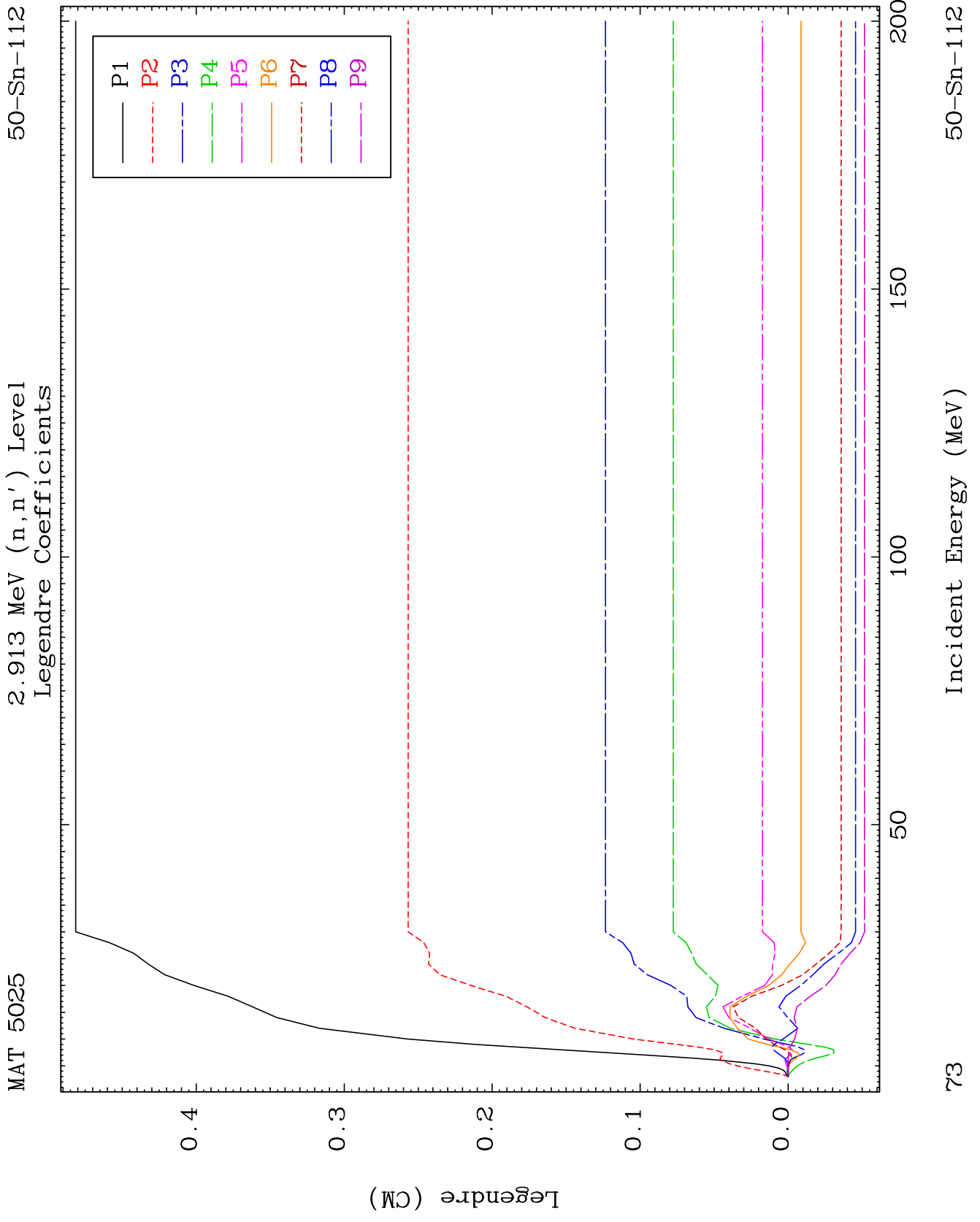


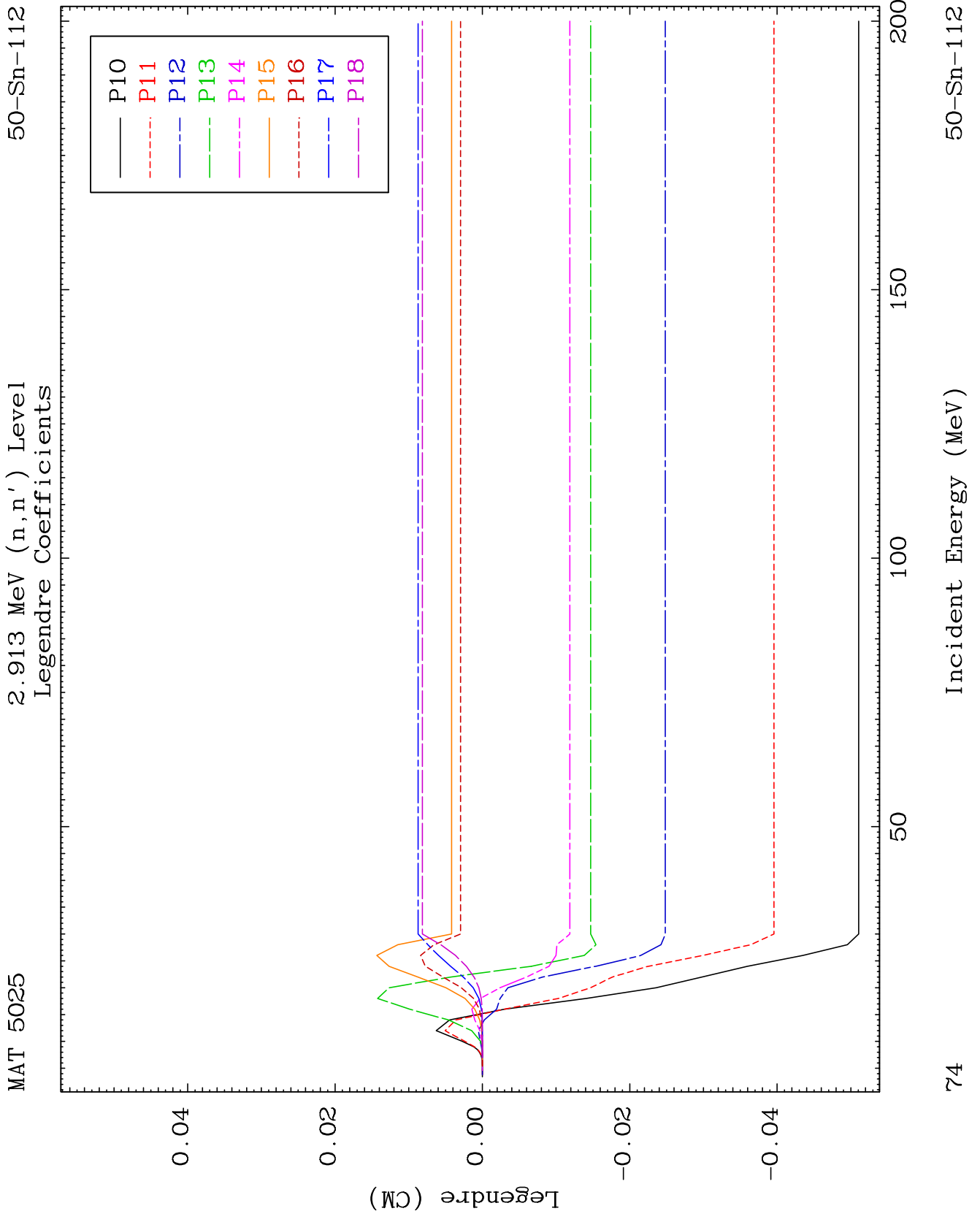


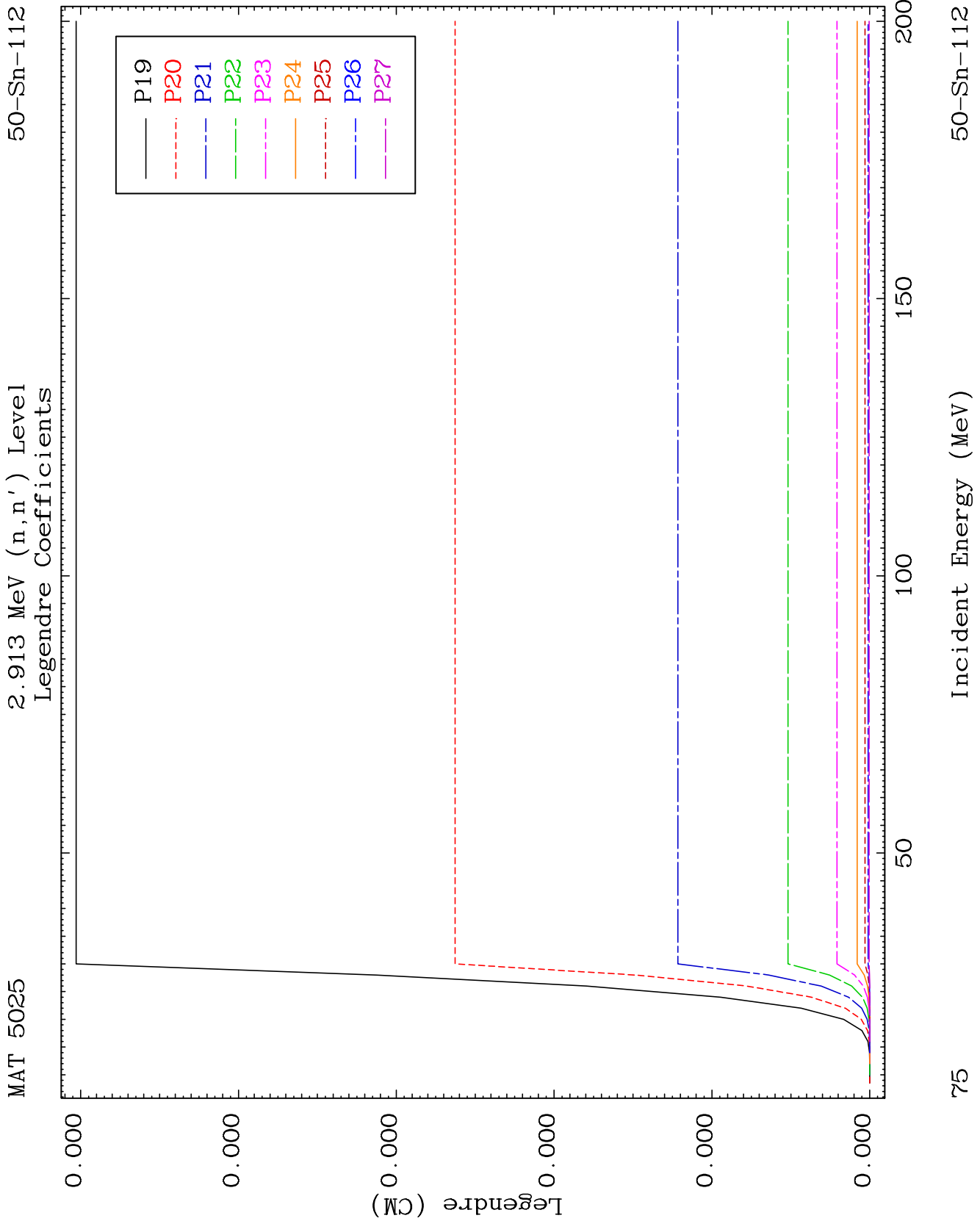


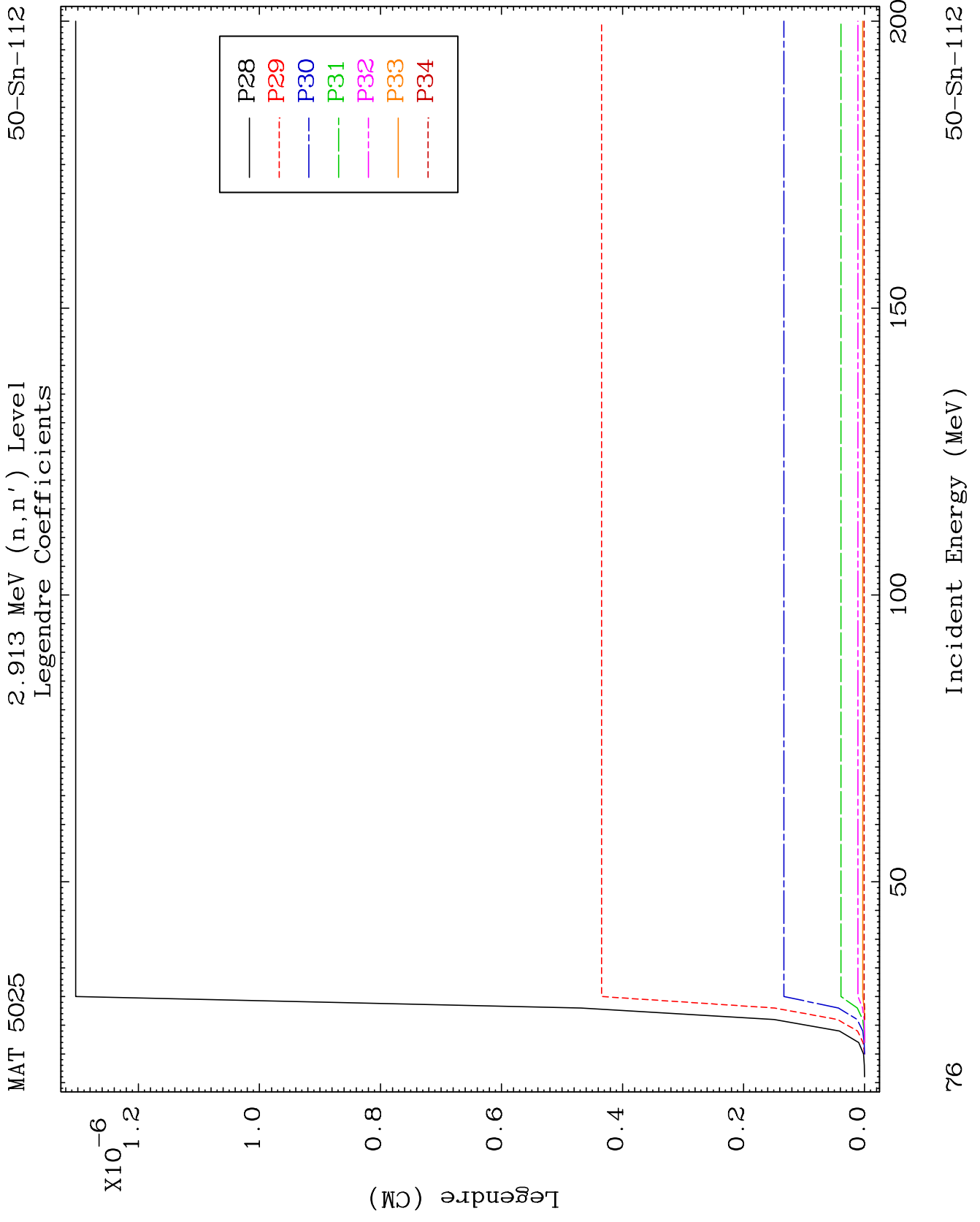


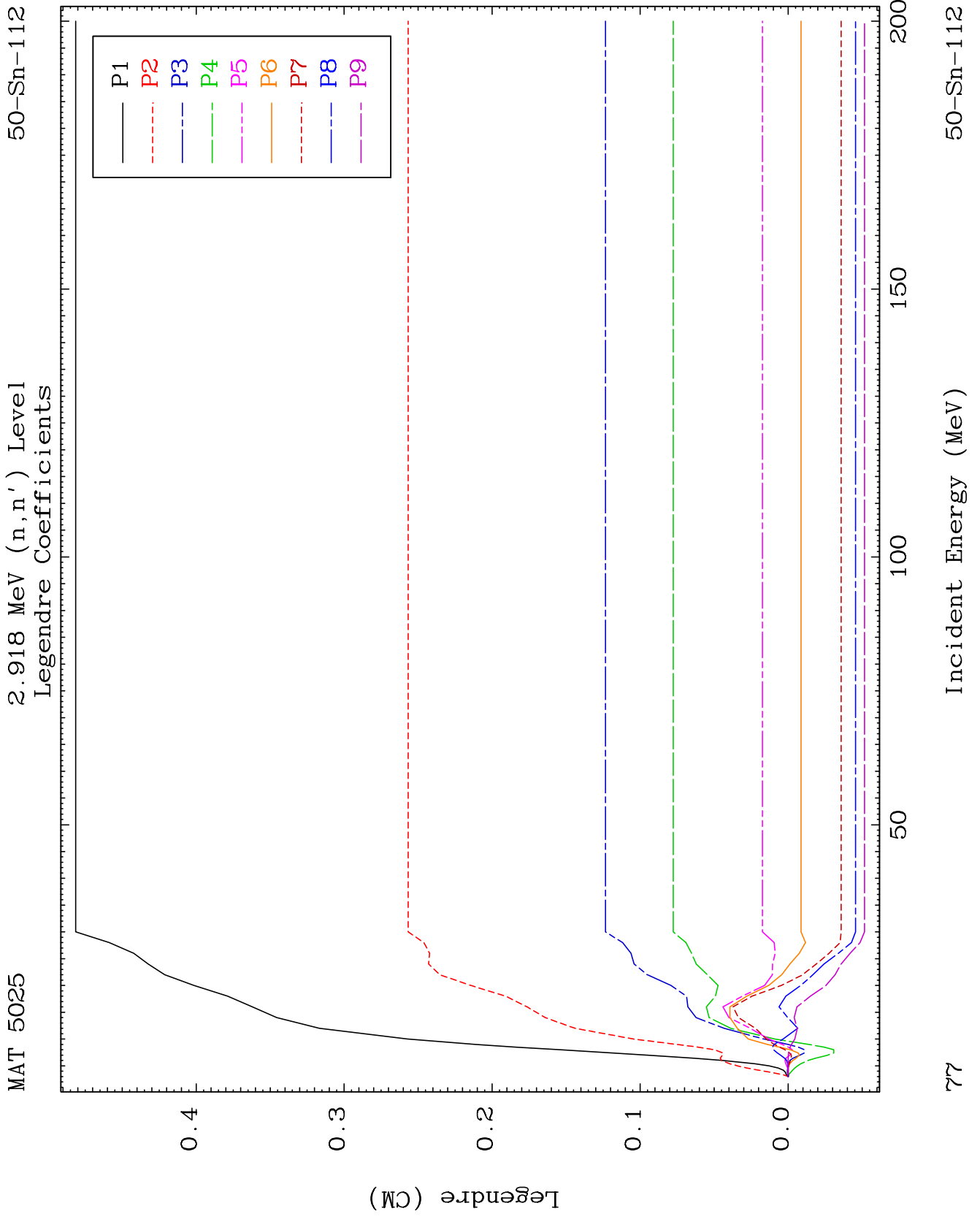


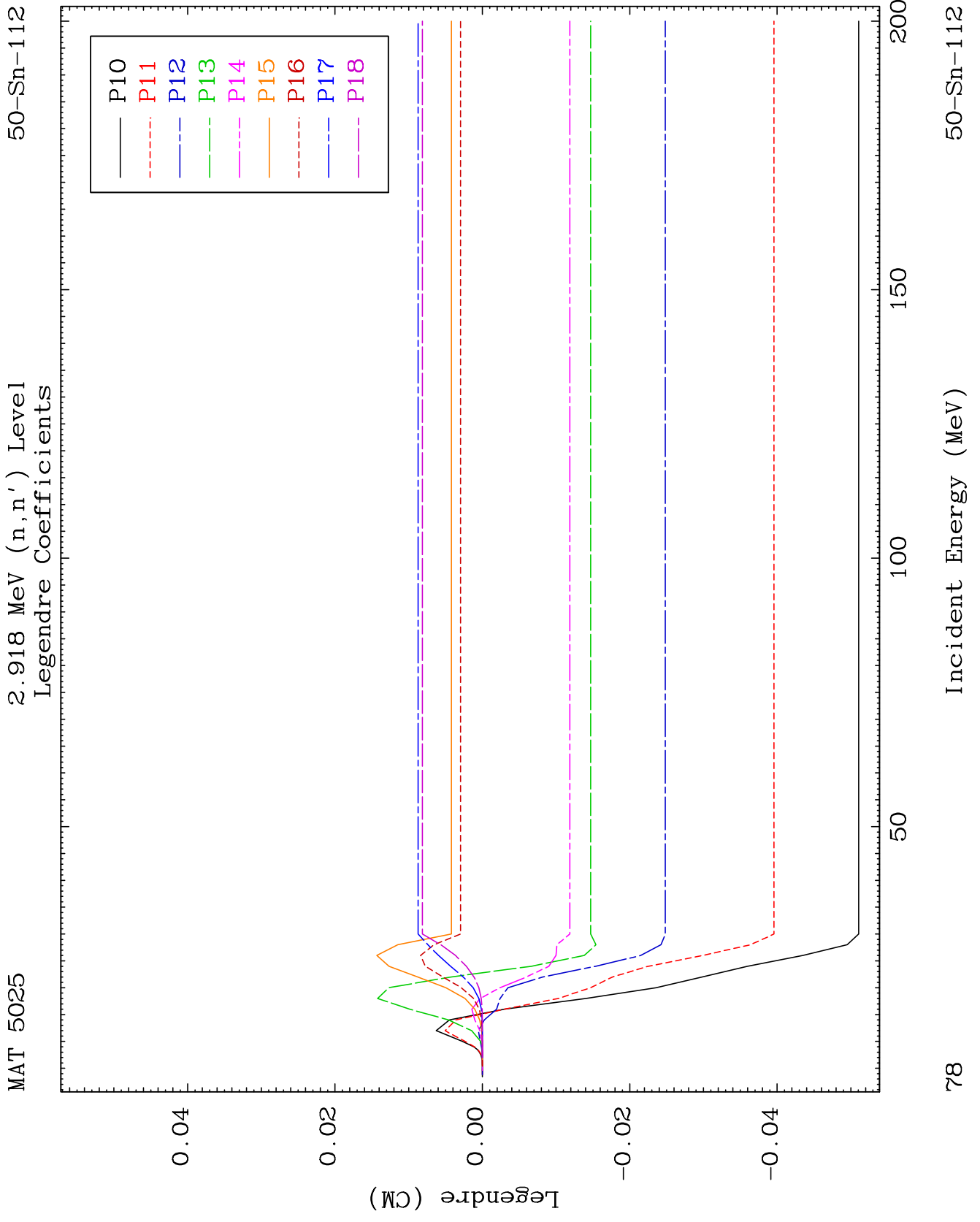


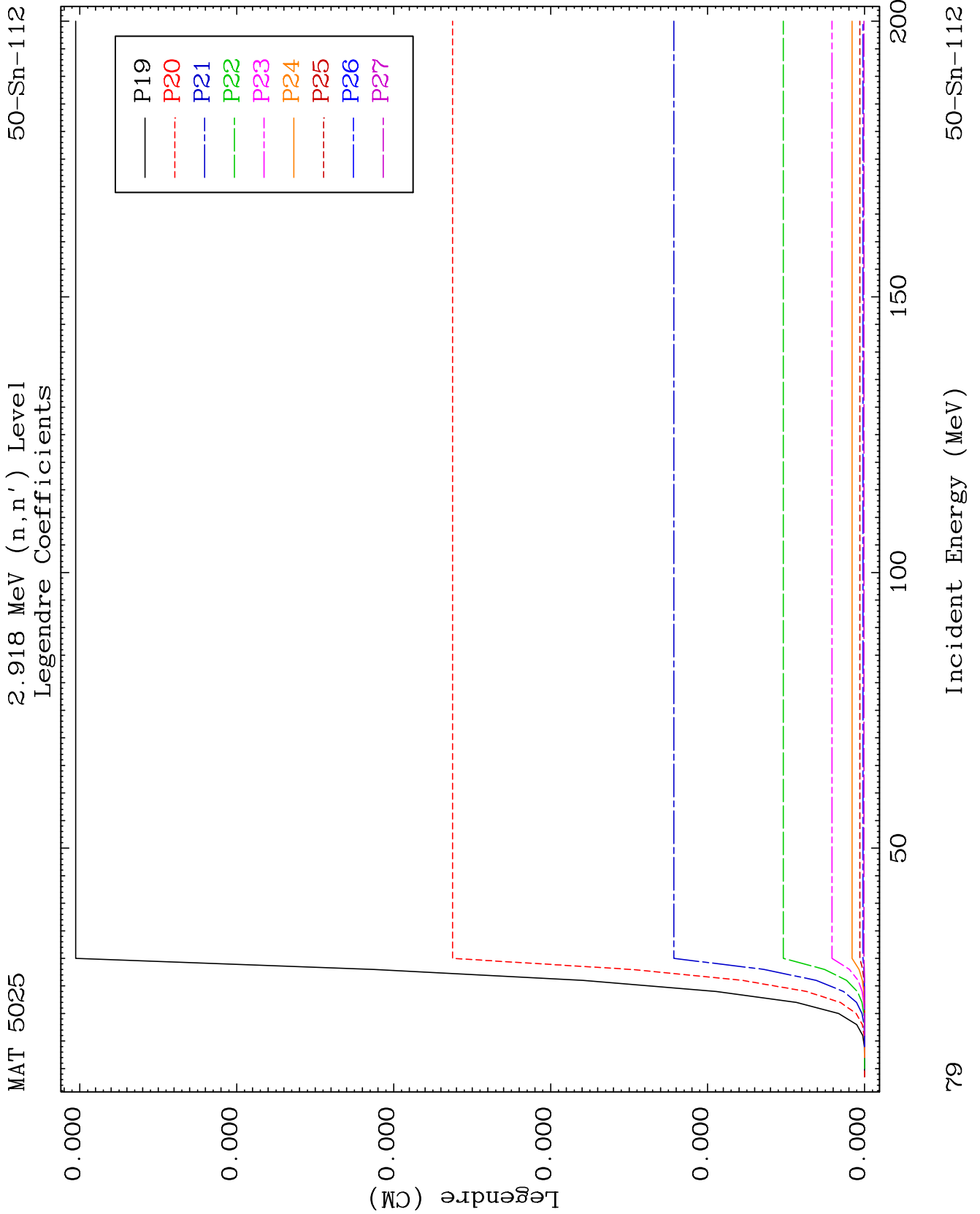


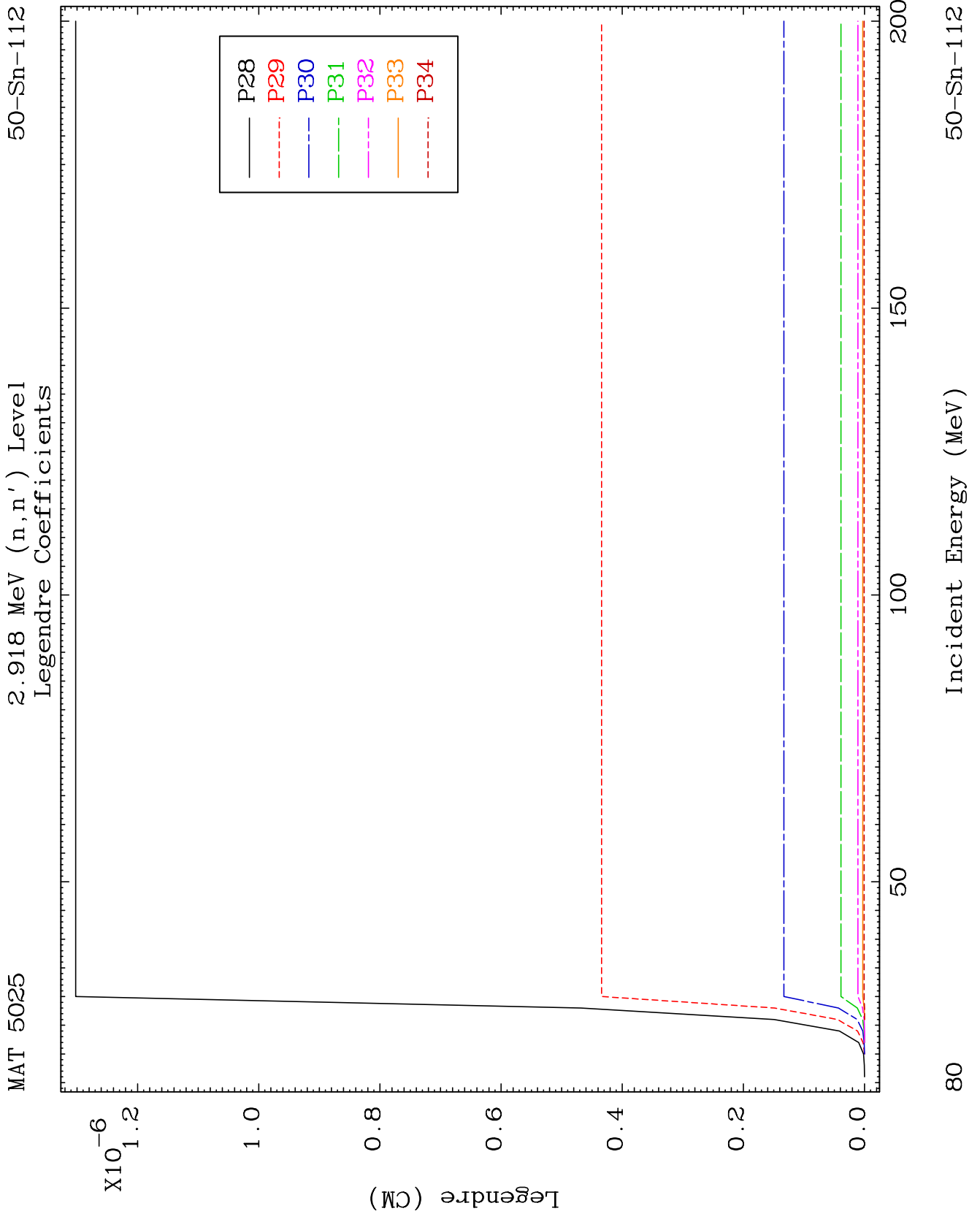


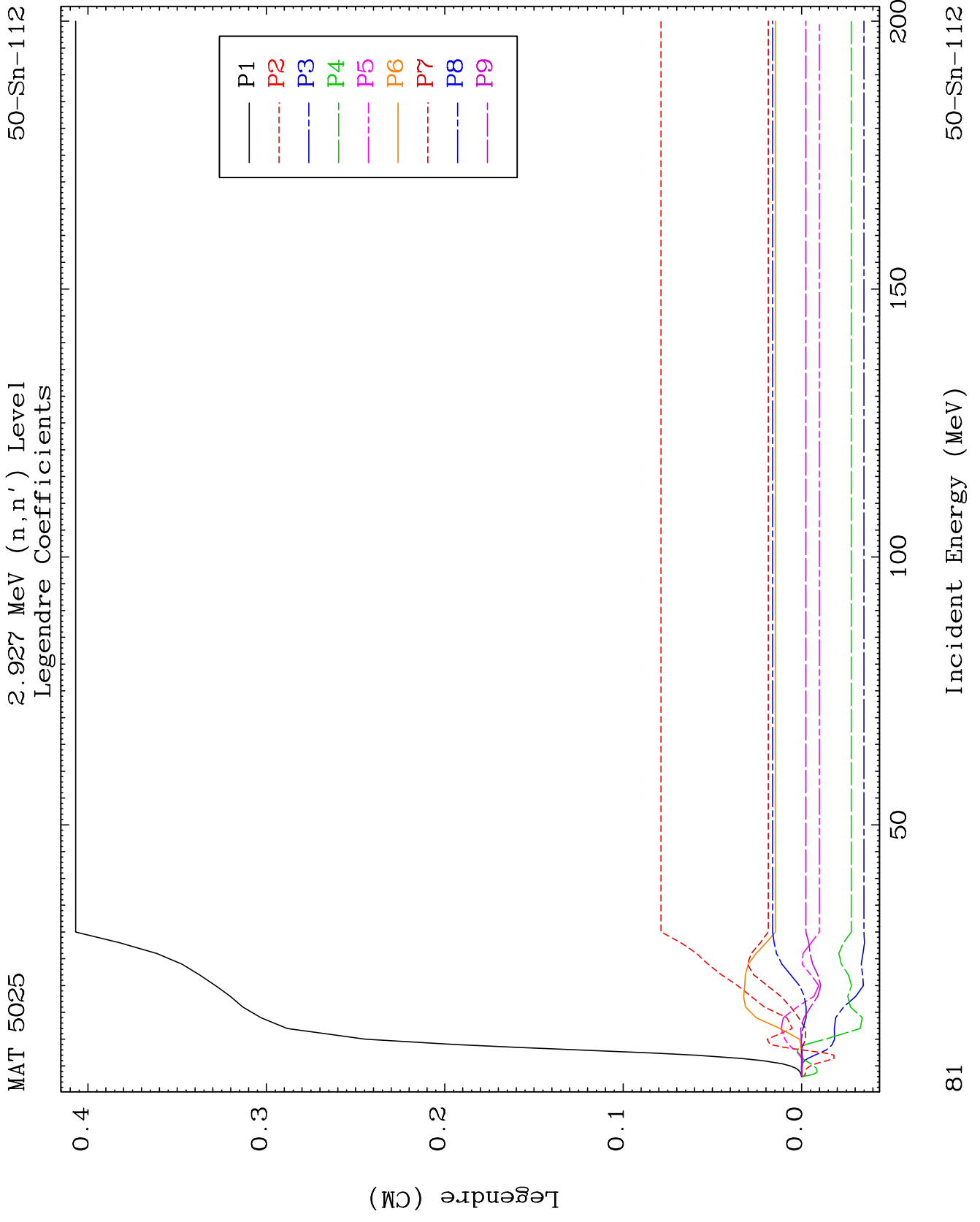


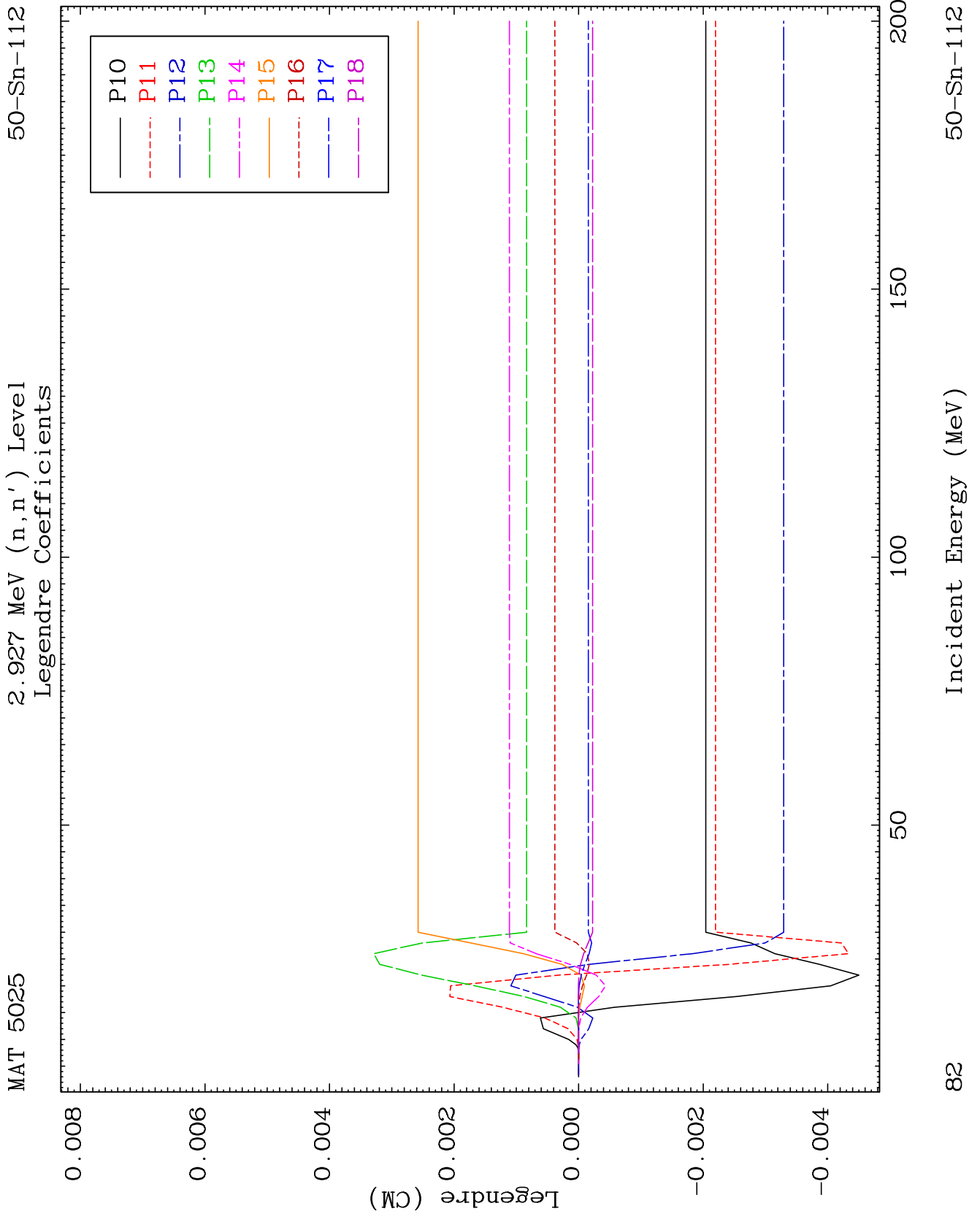


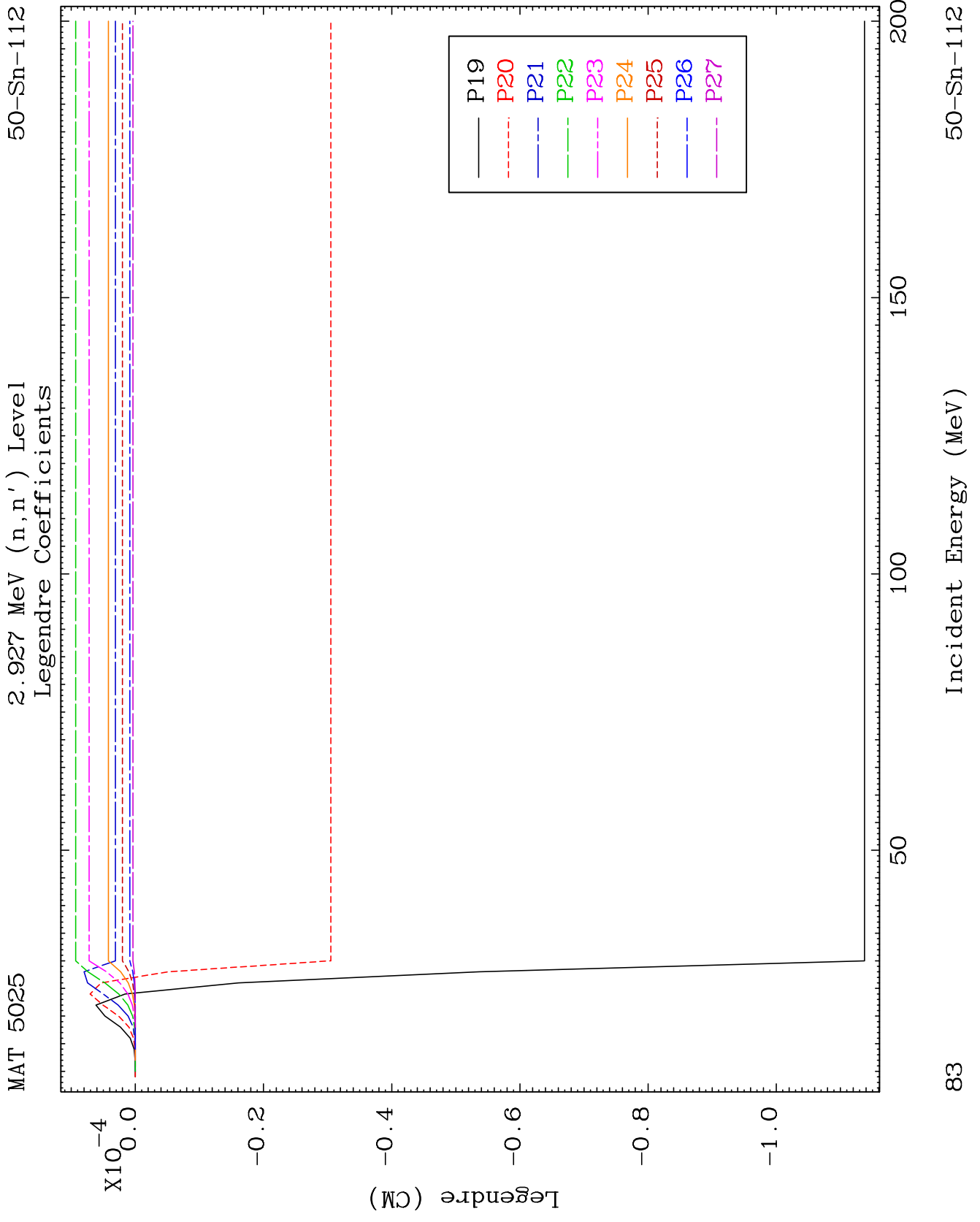


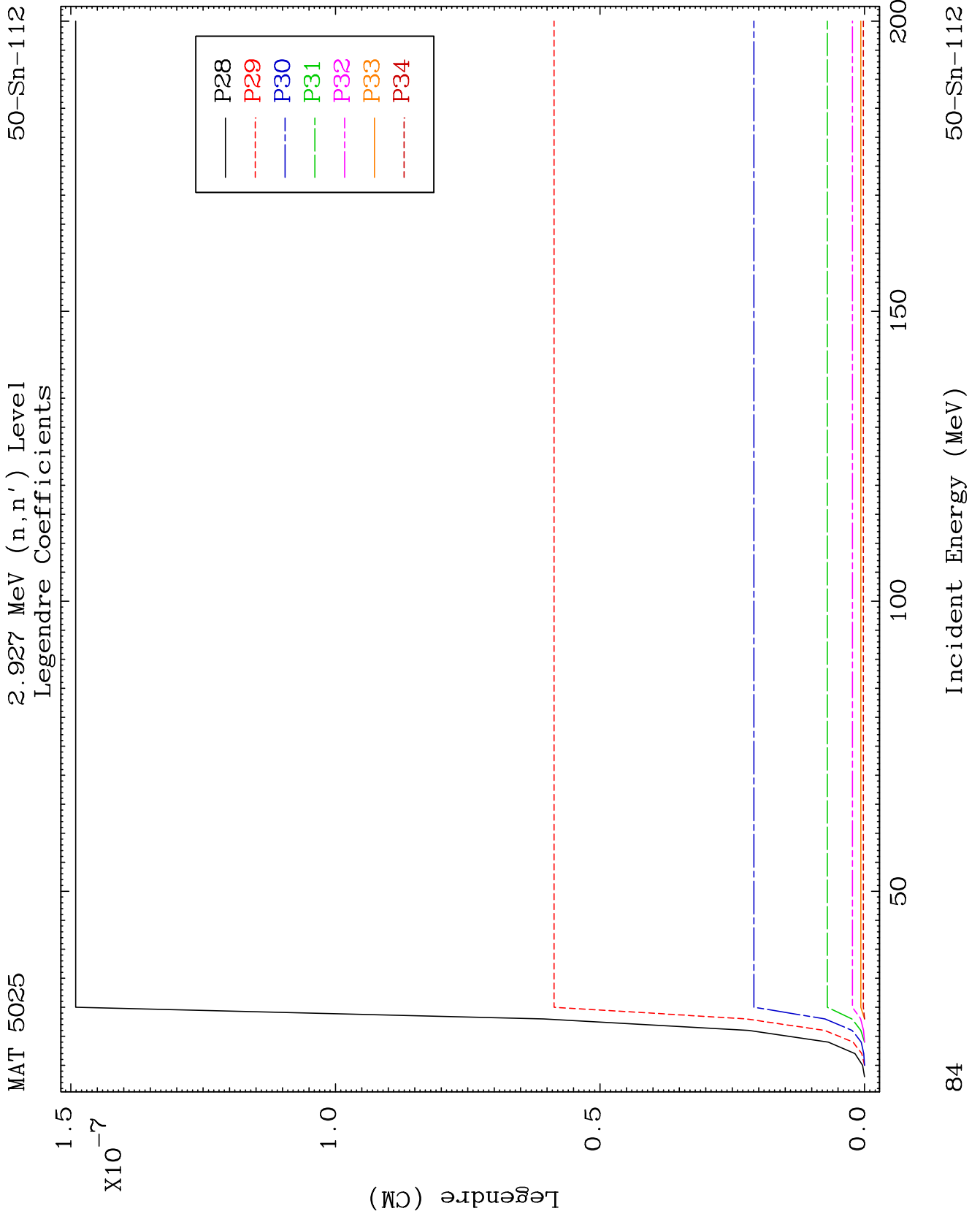


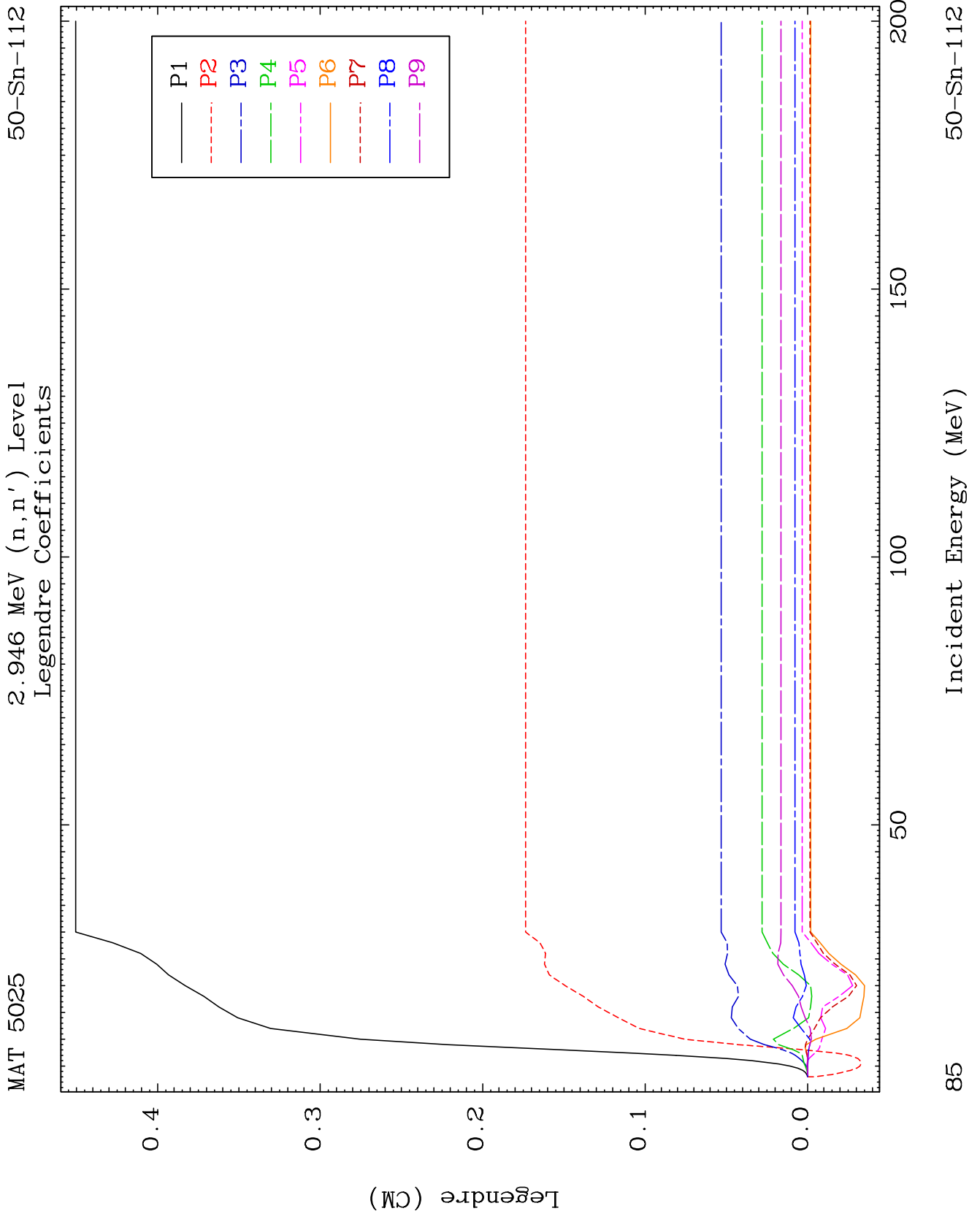


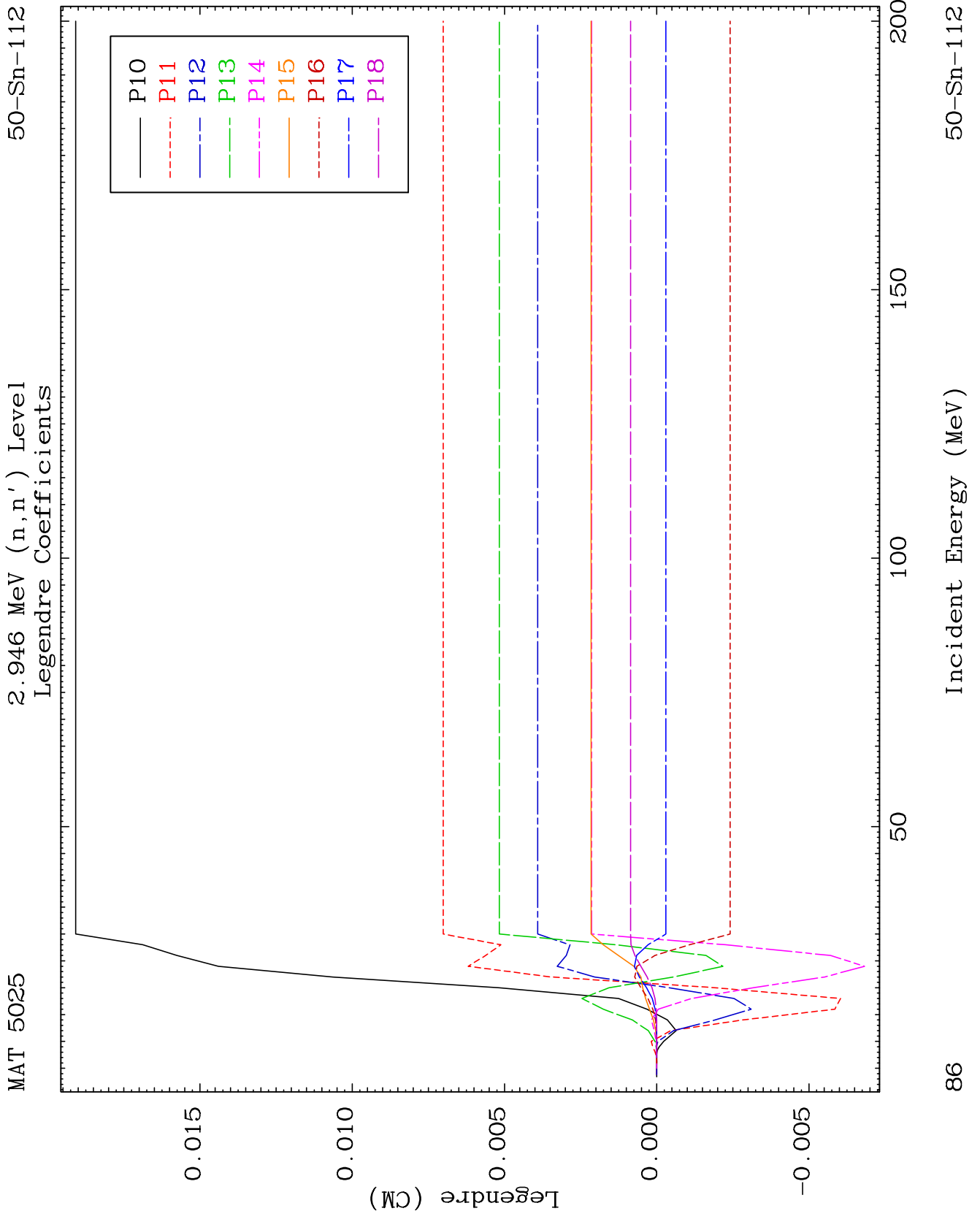








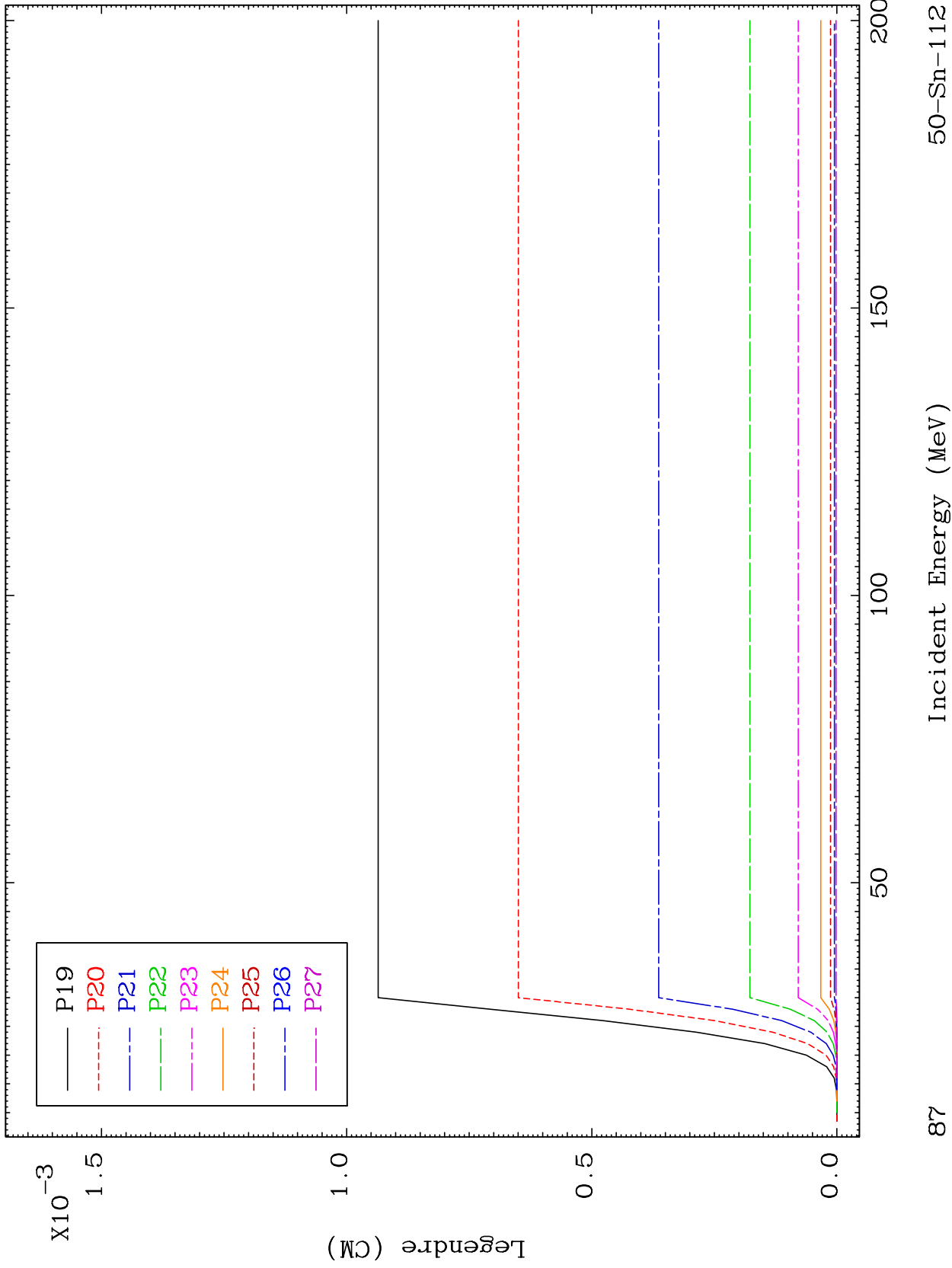




MAT 5025

2.946 MeV (n,n') Level
Legendre Coefficients

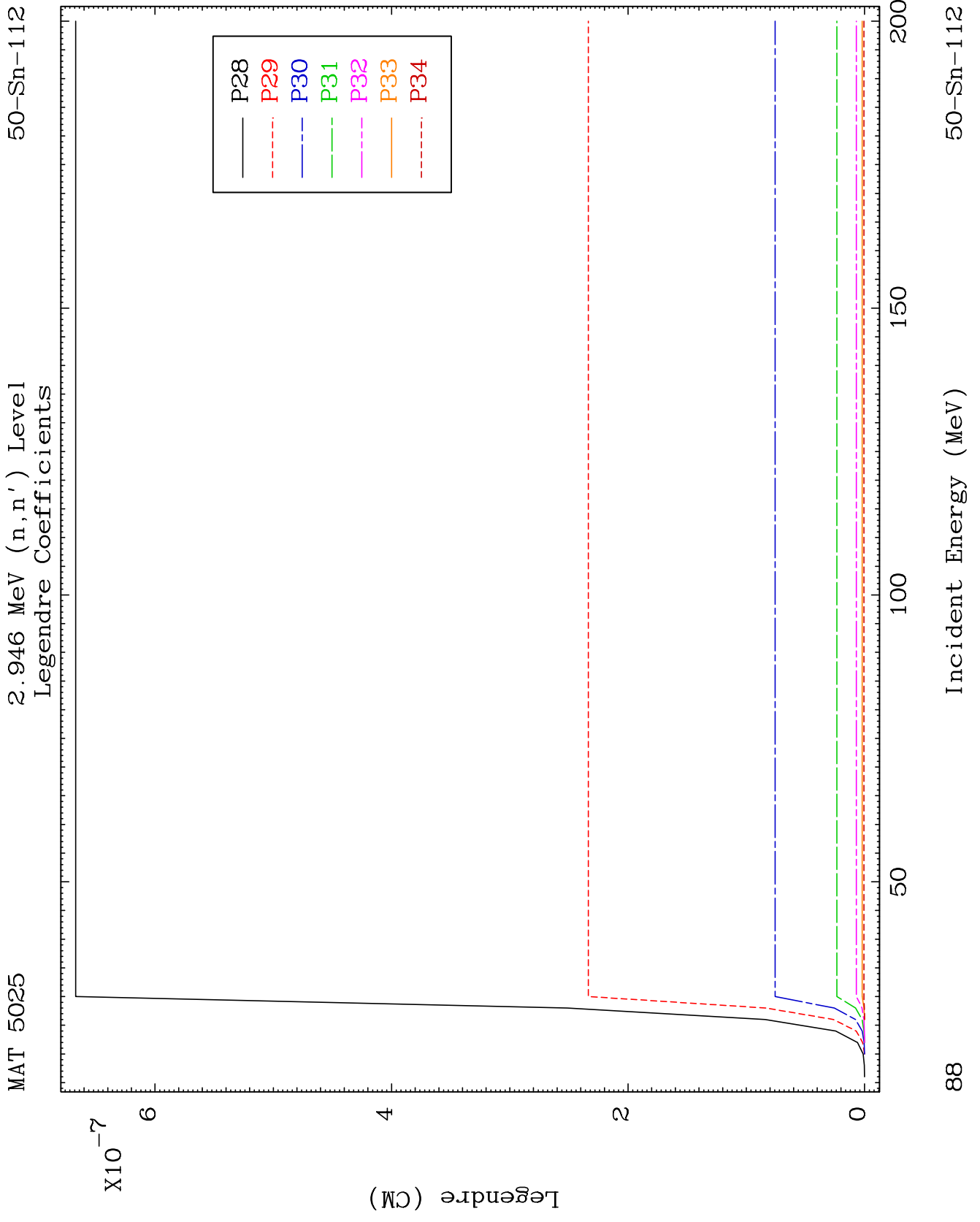
50-Sn-112

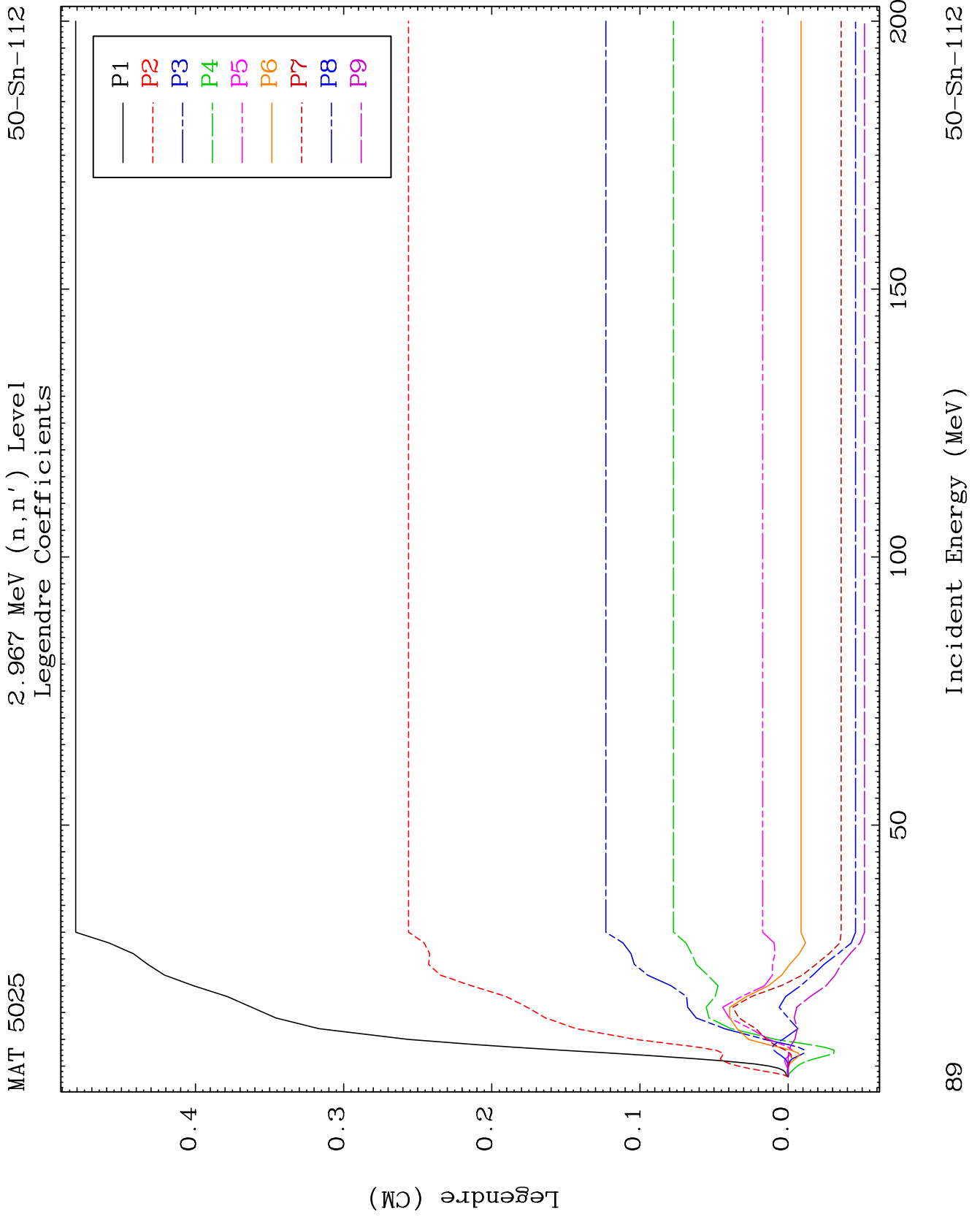


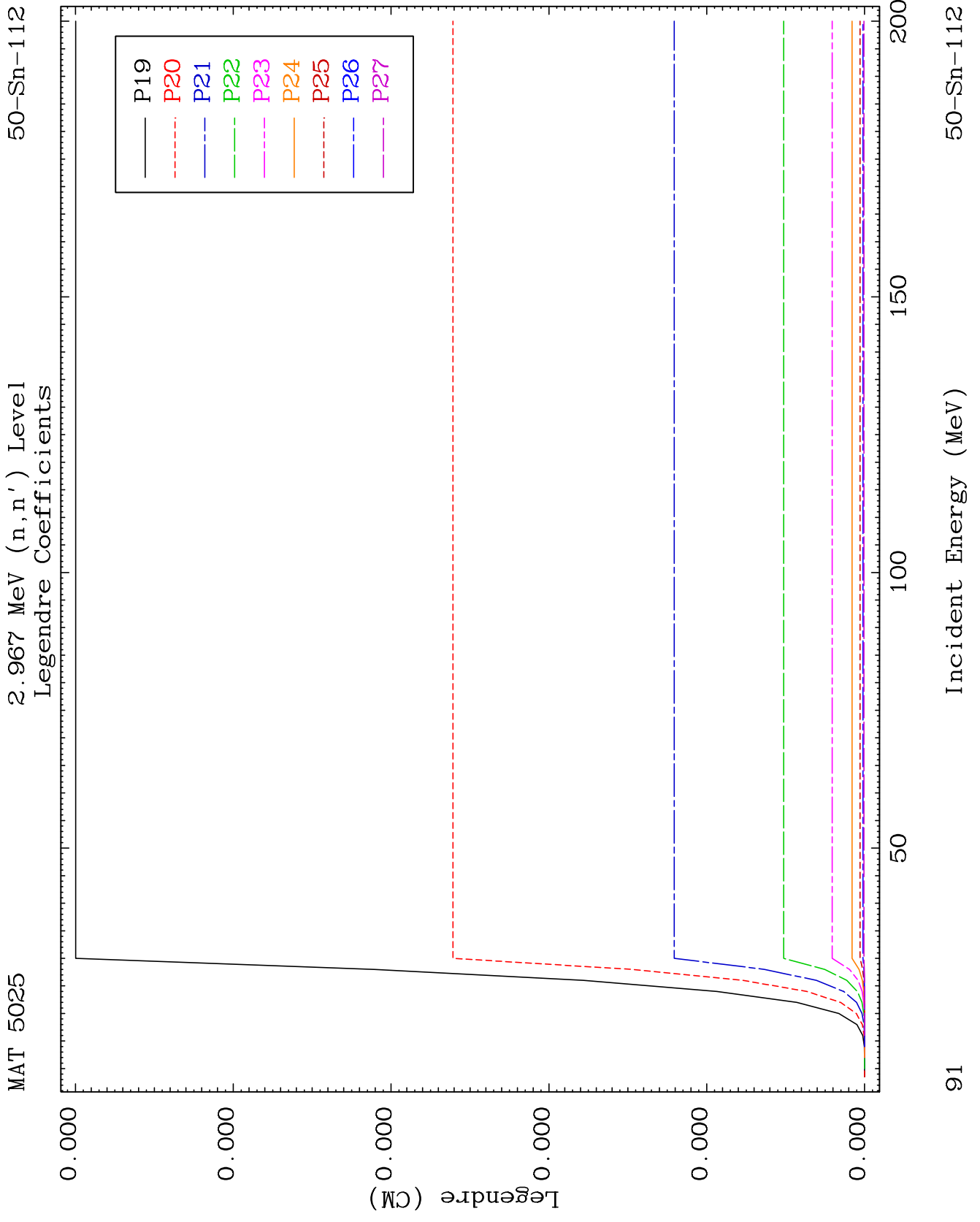
87

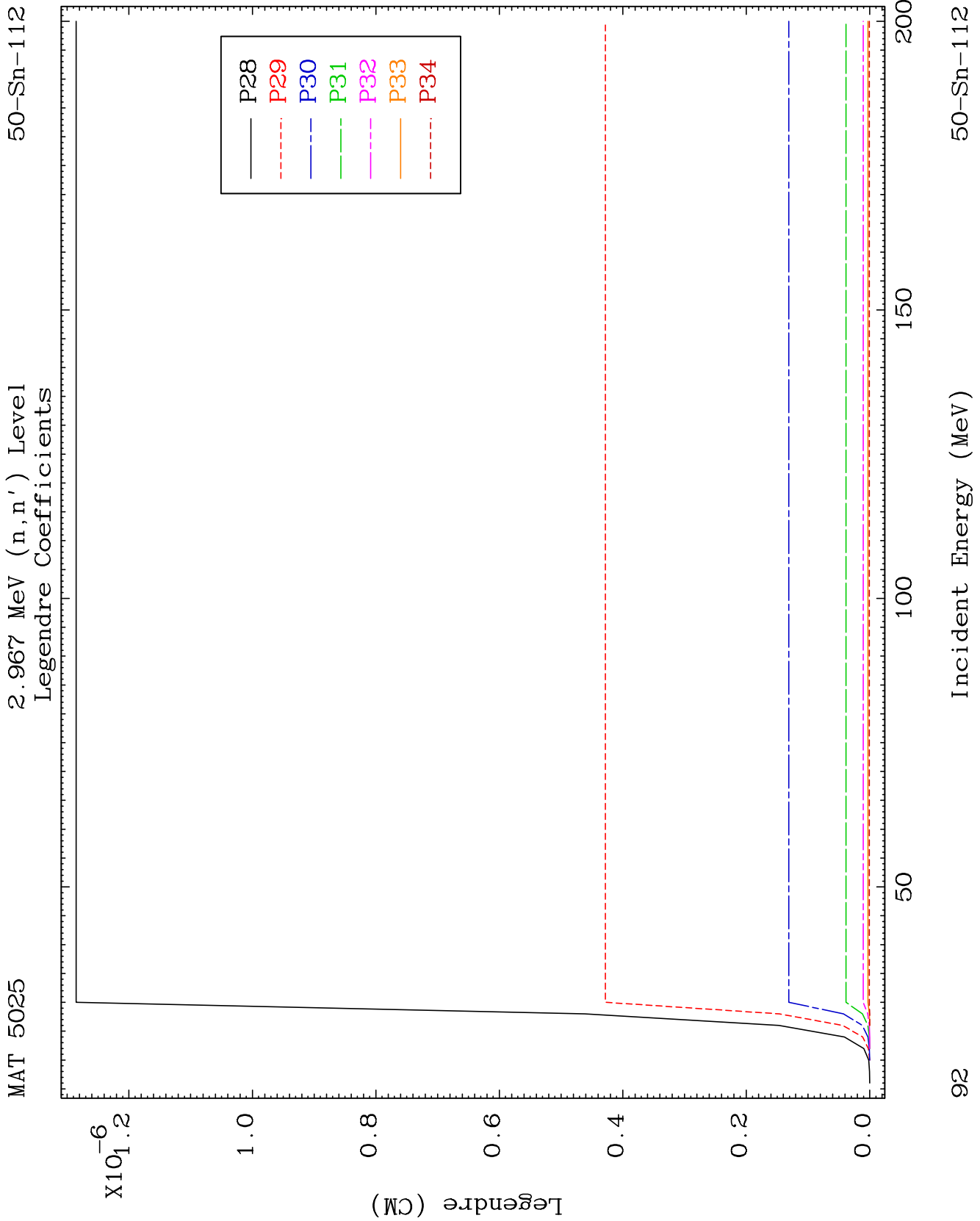
Incident Energy (MeV)

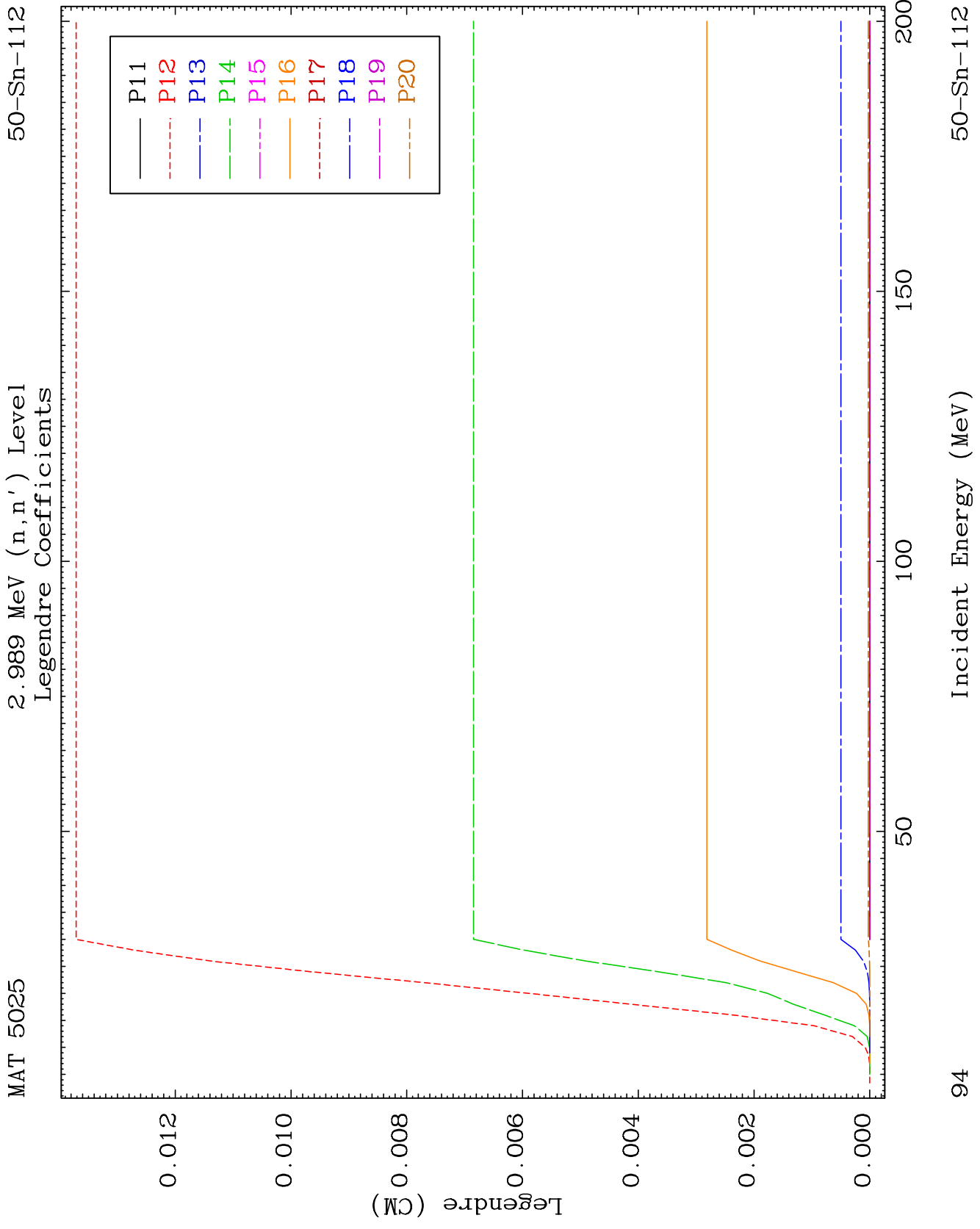
50-Sn-112

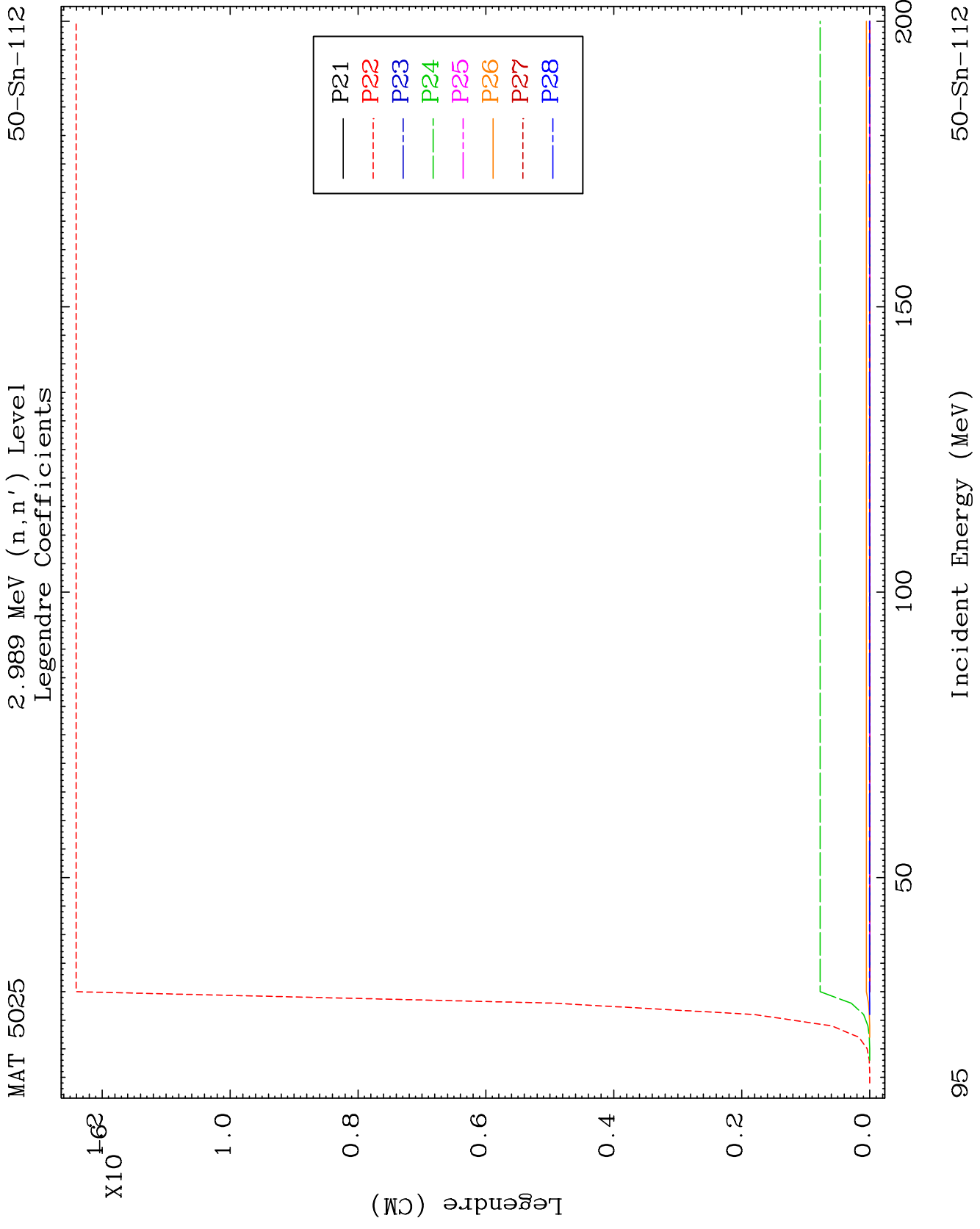


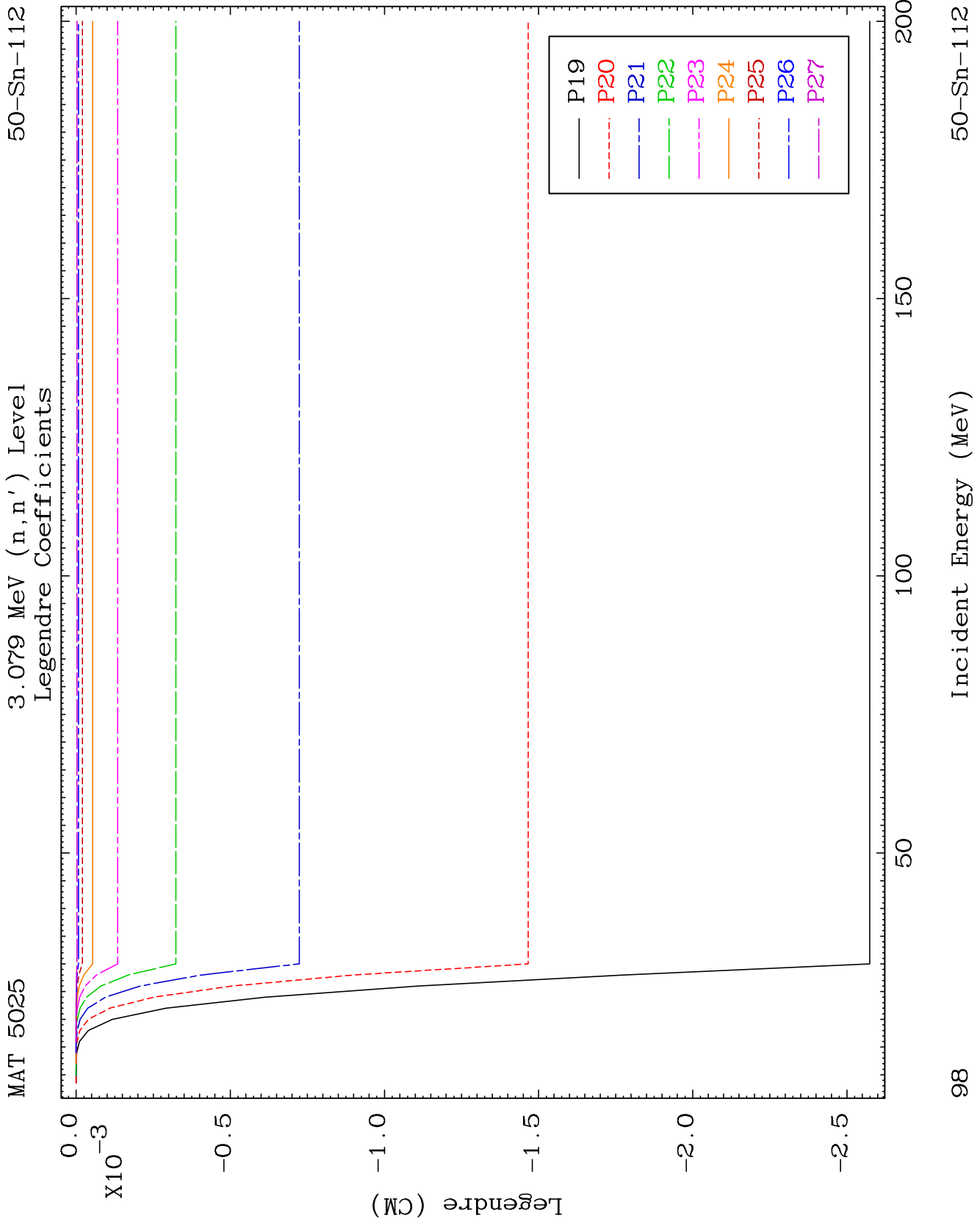


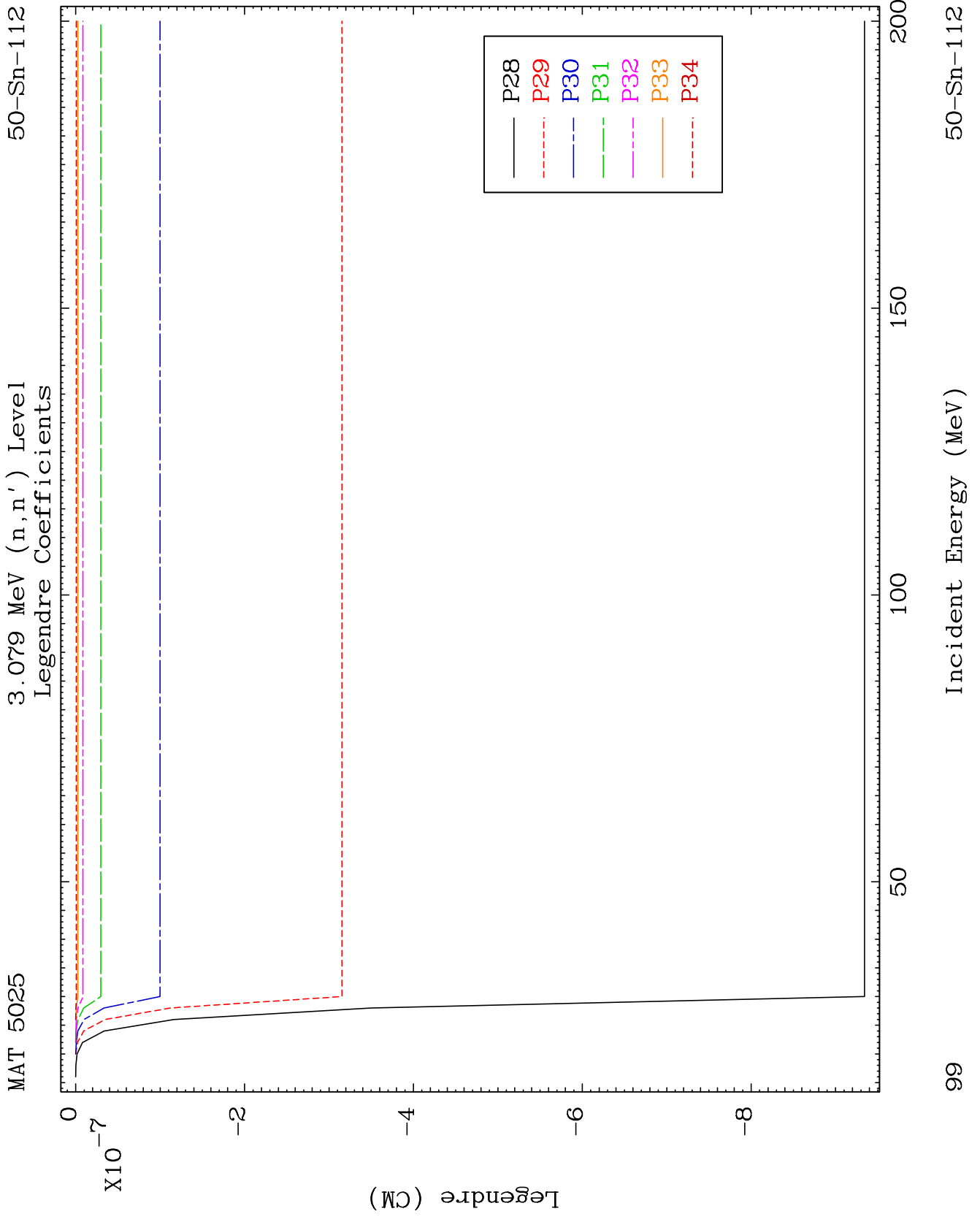


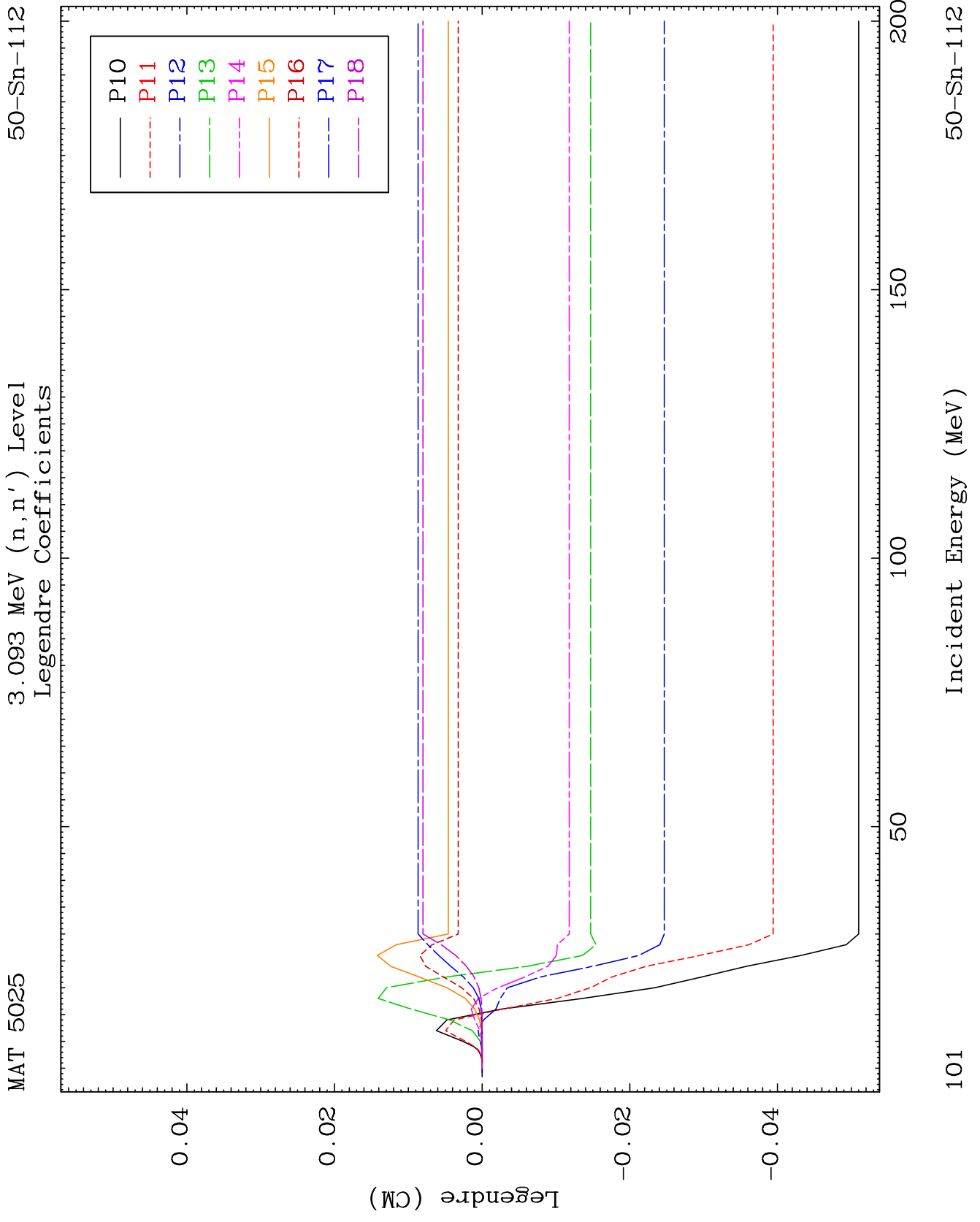


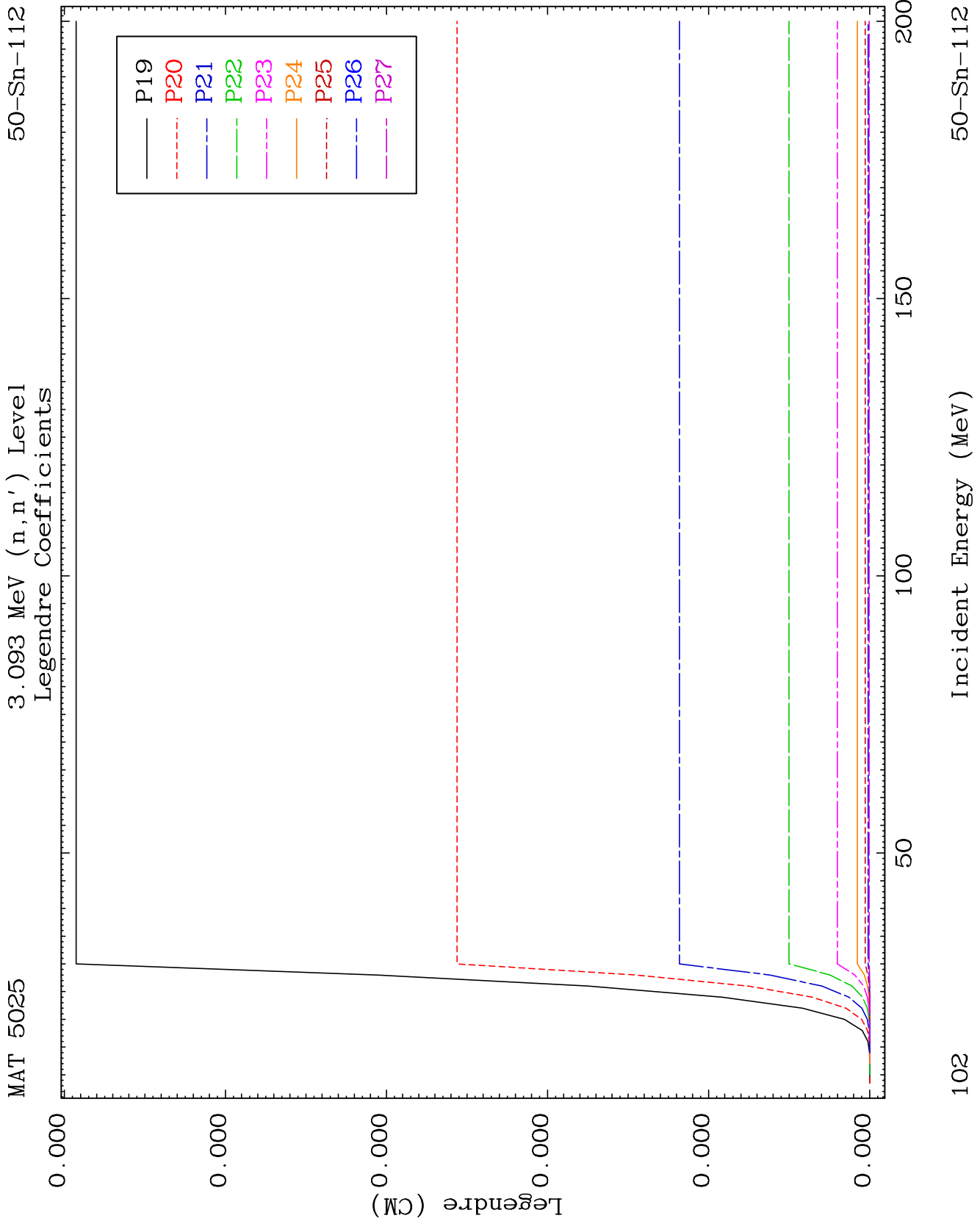


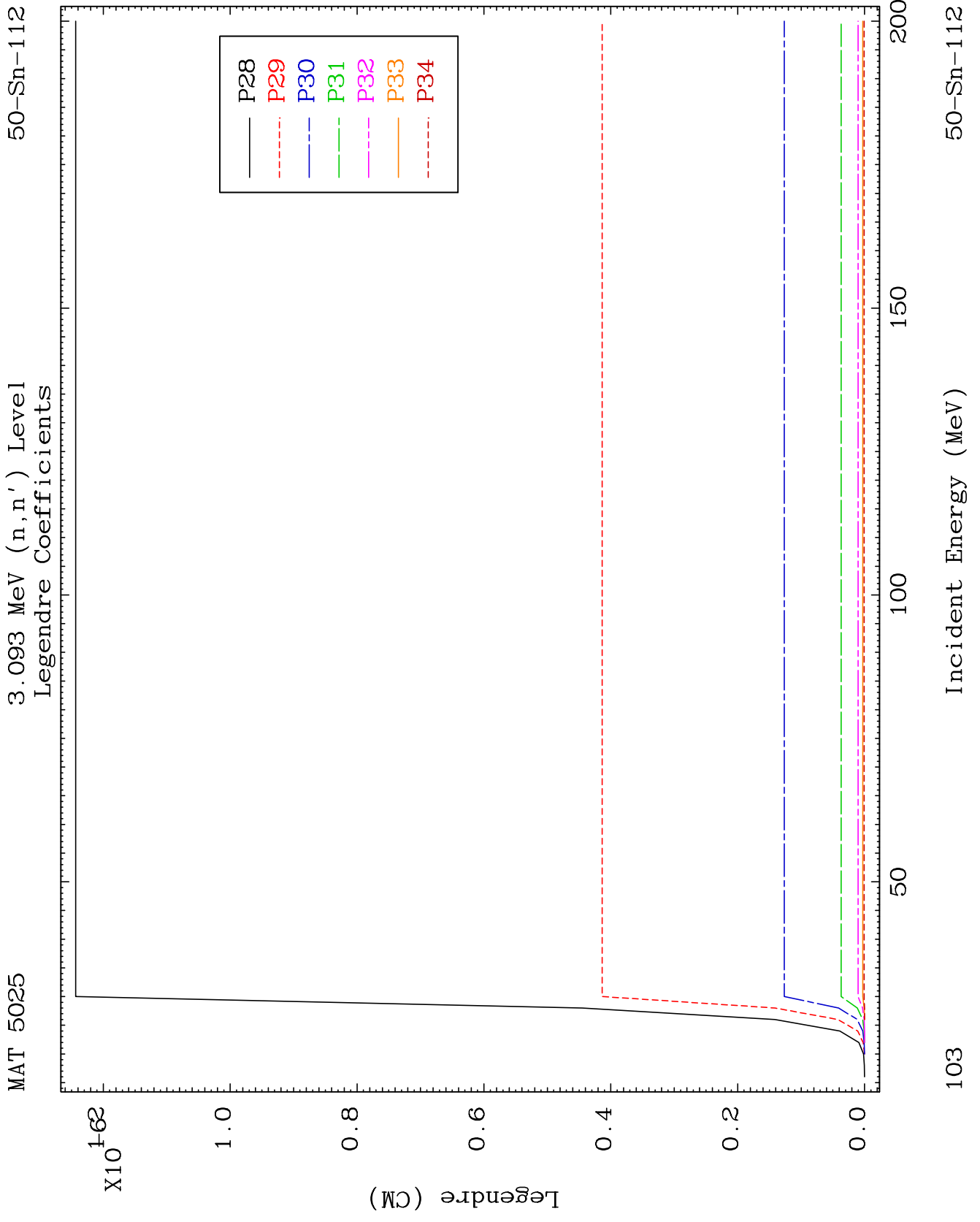


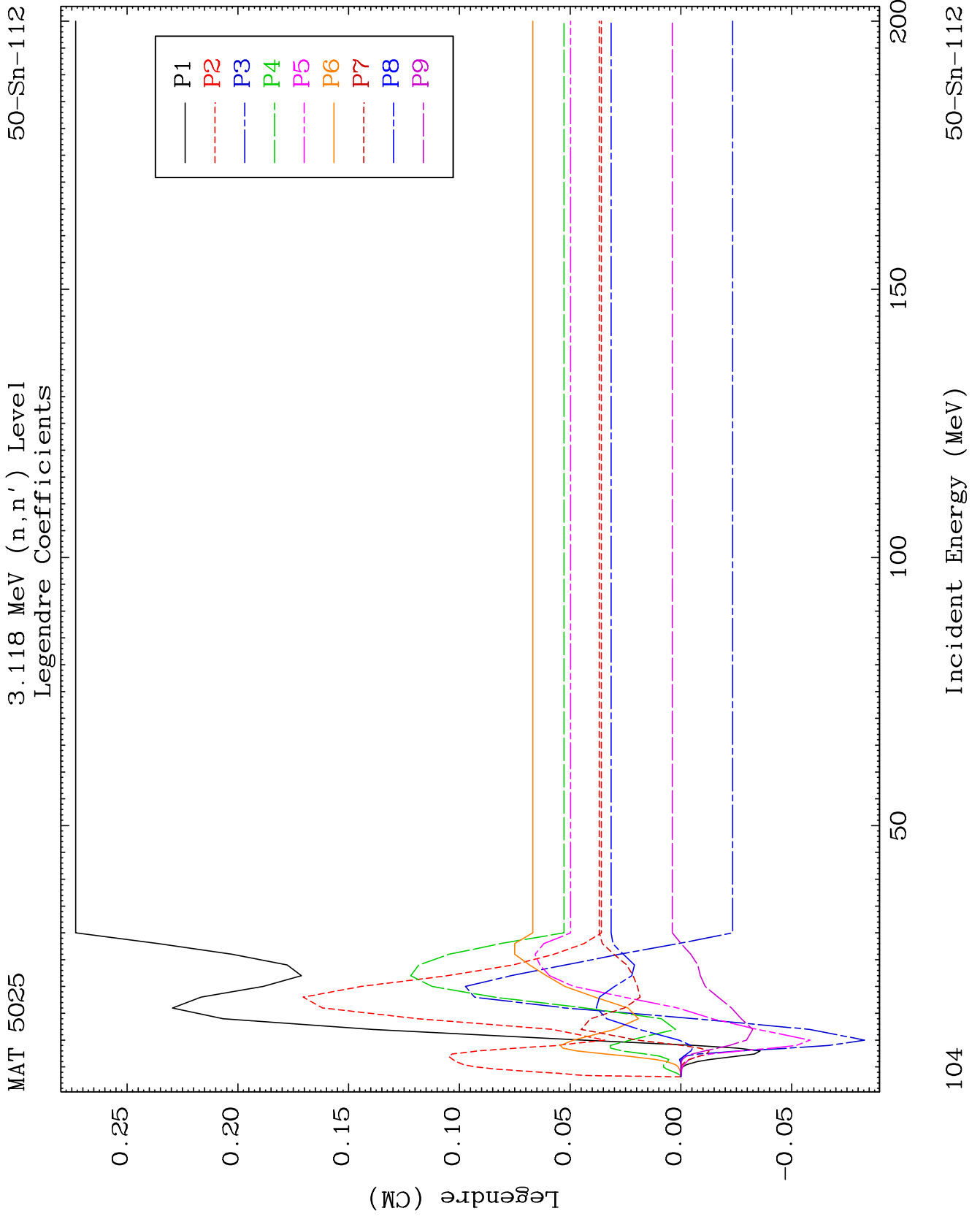


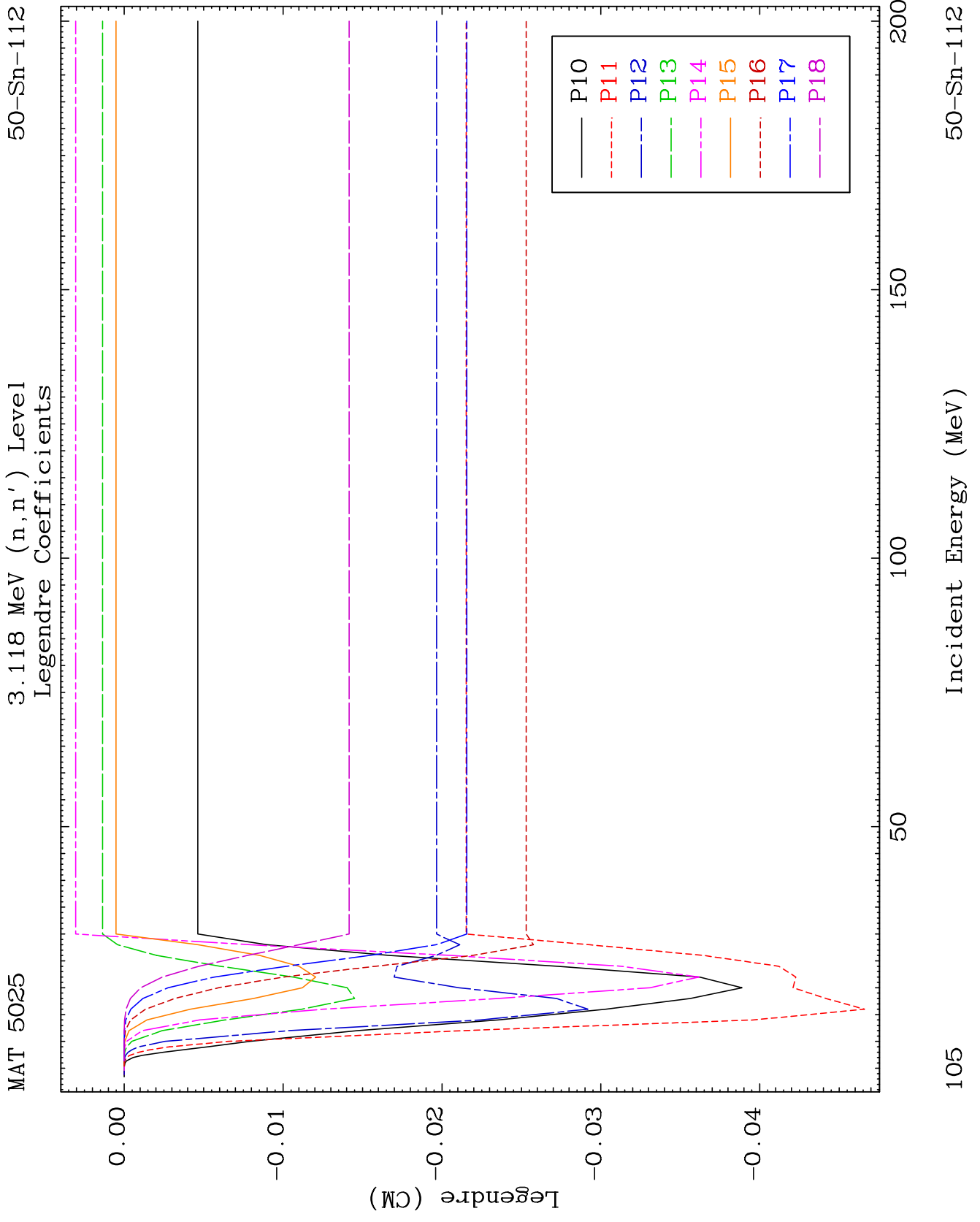


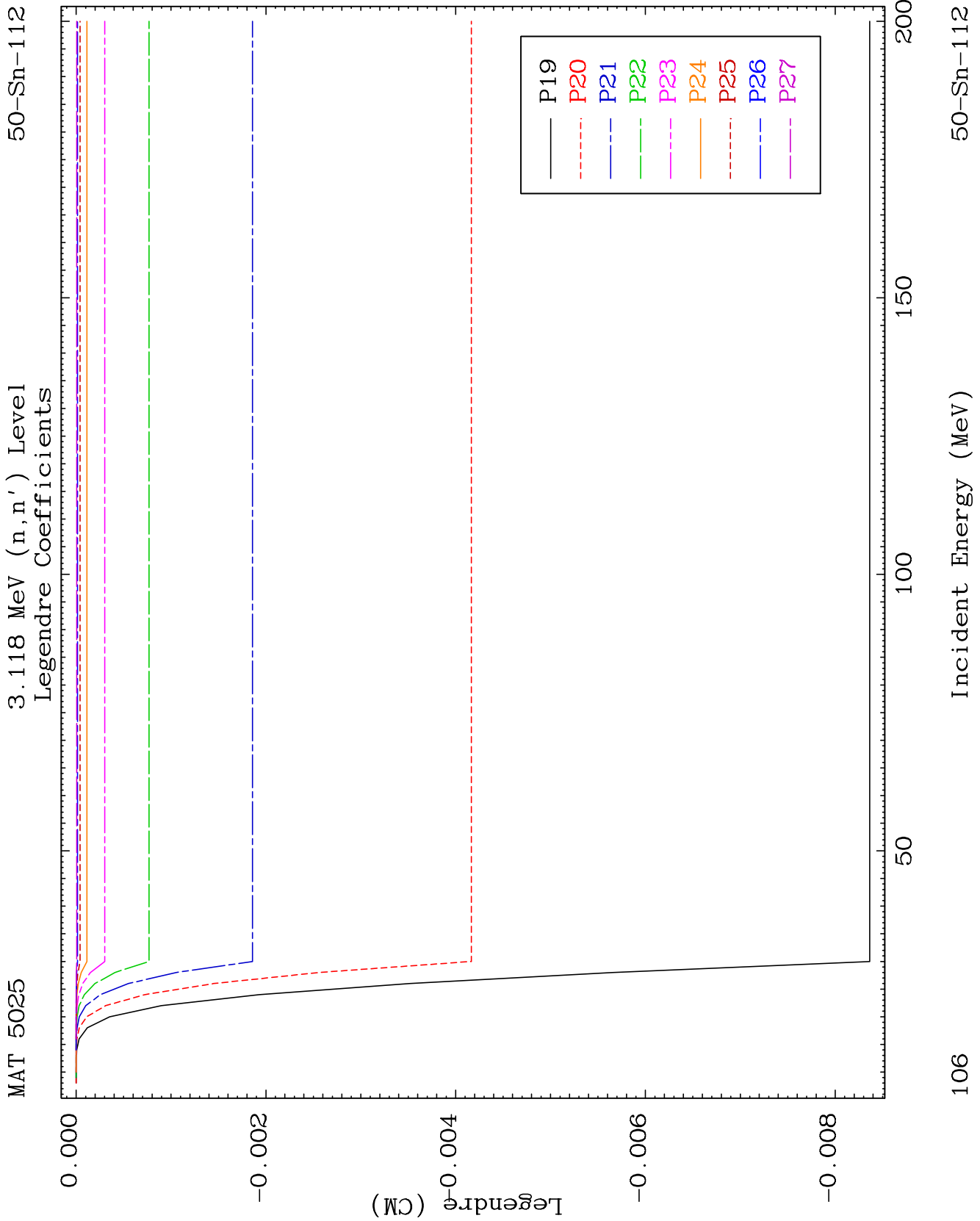


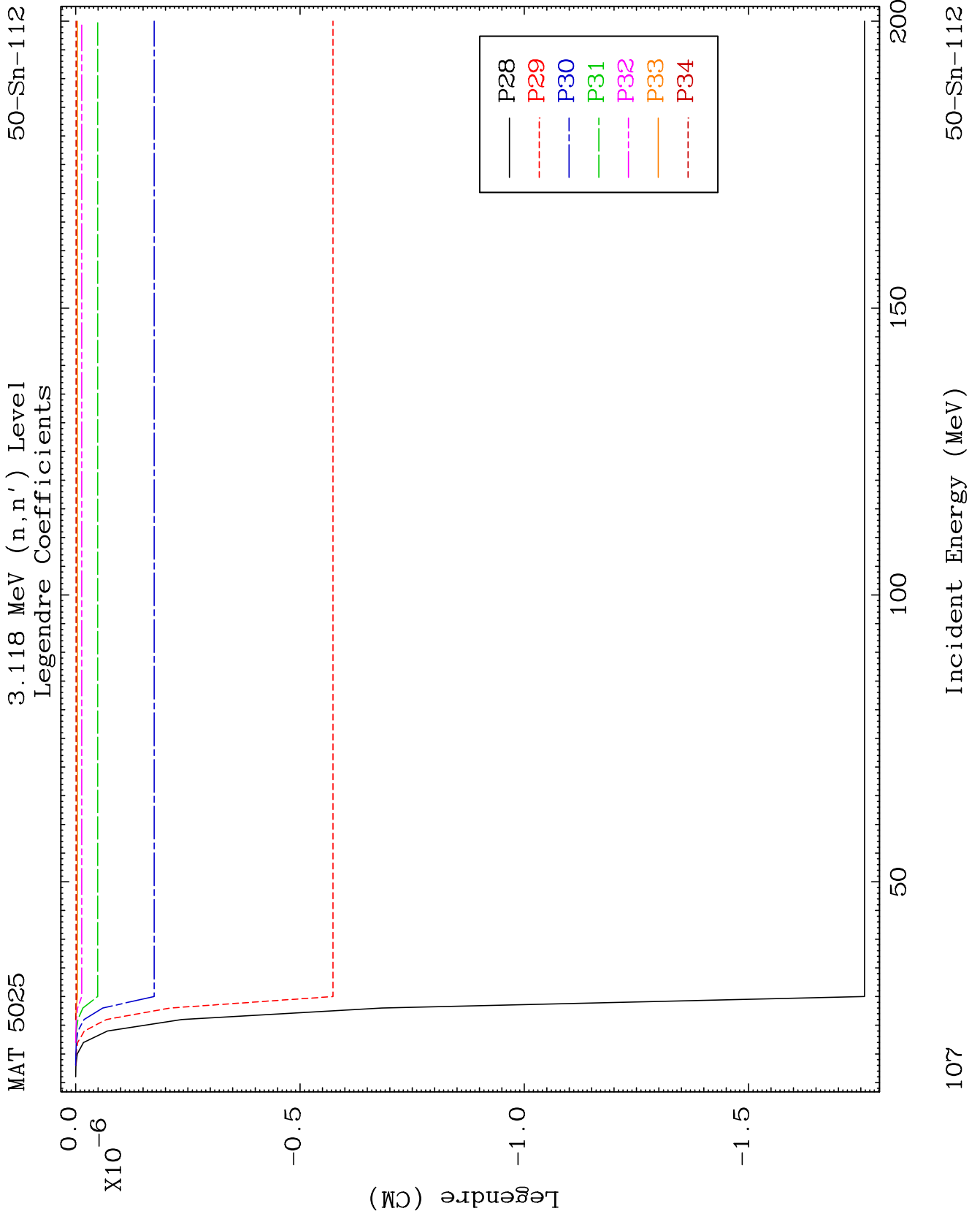


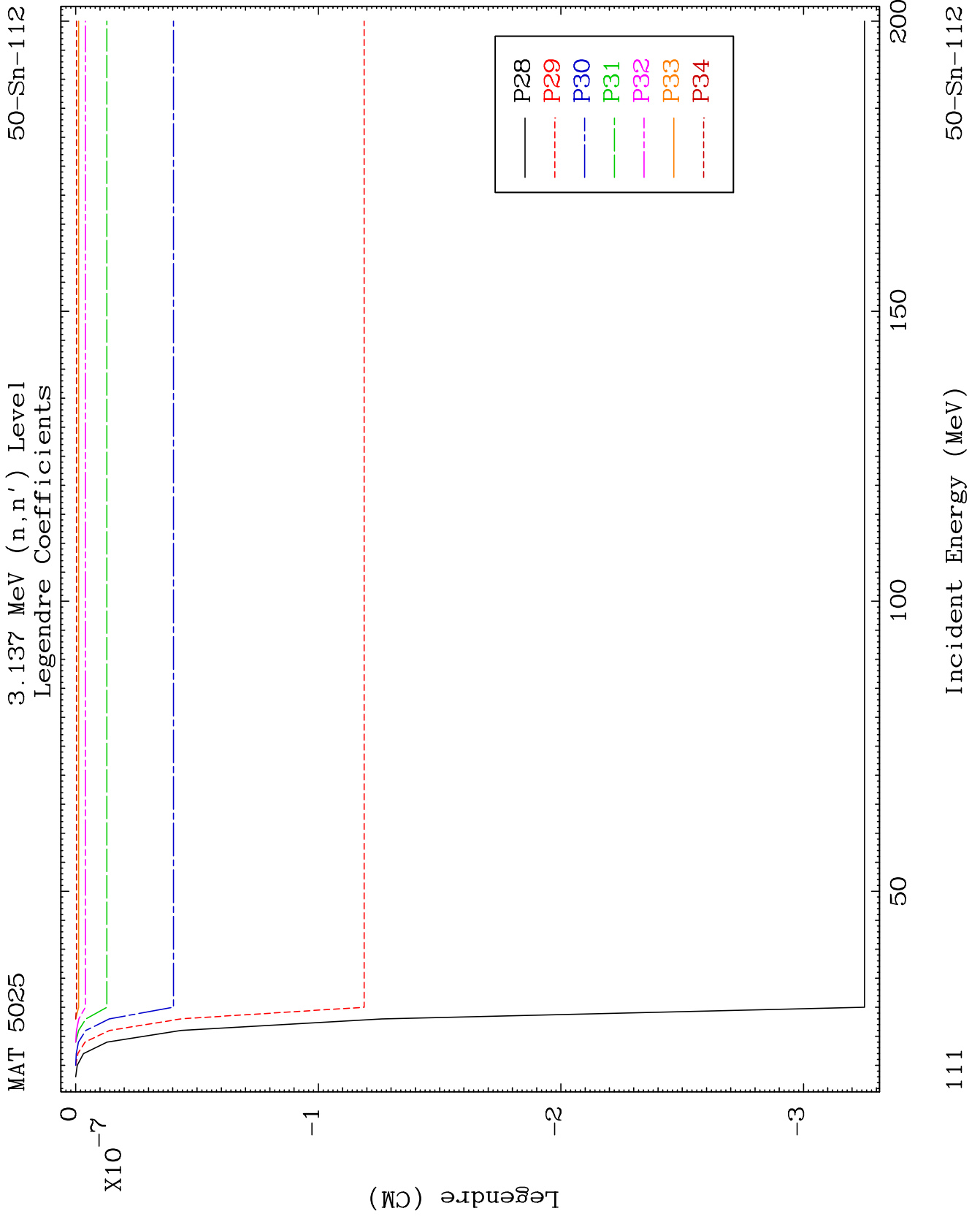


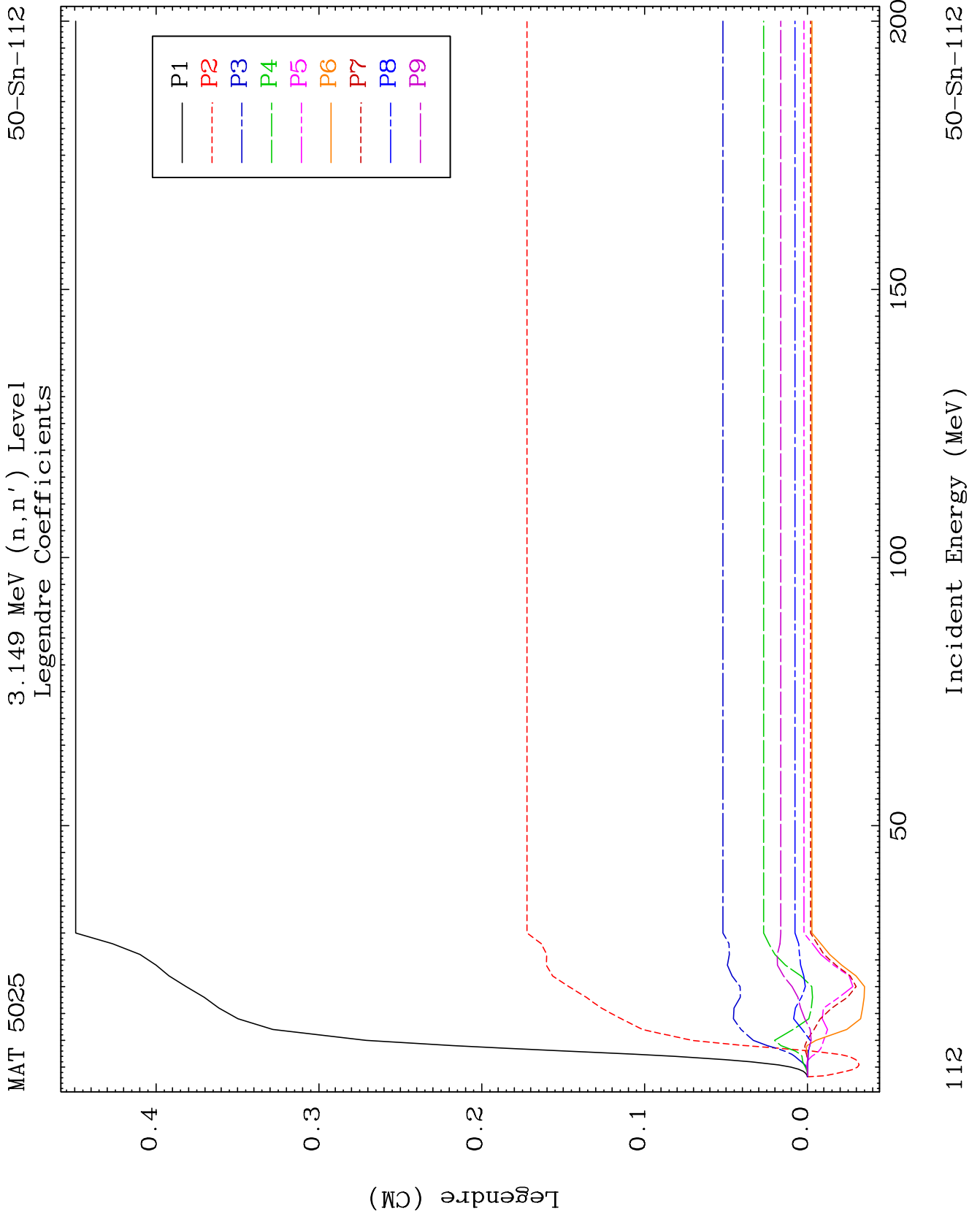








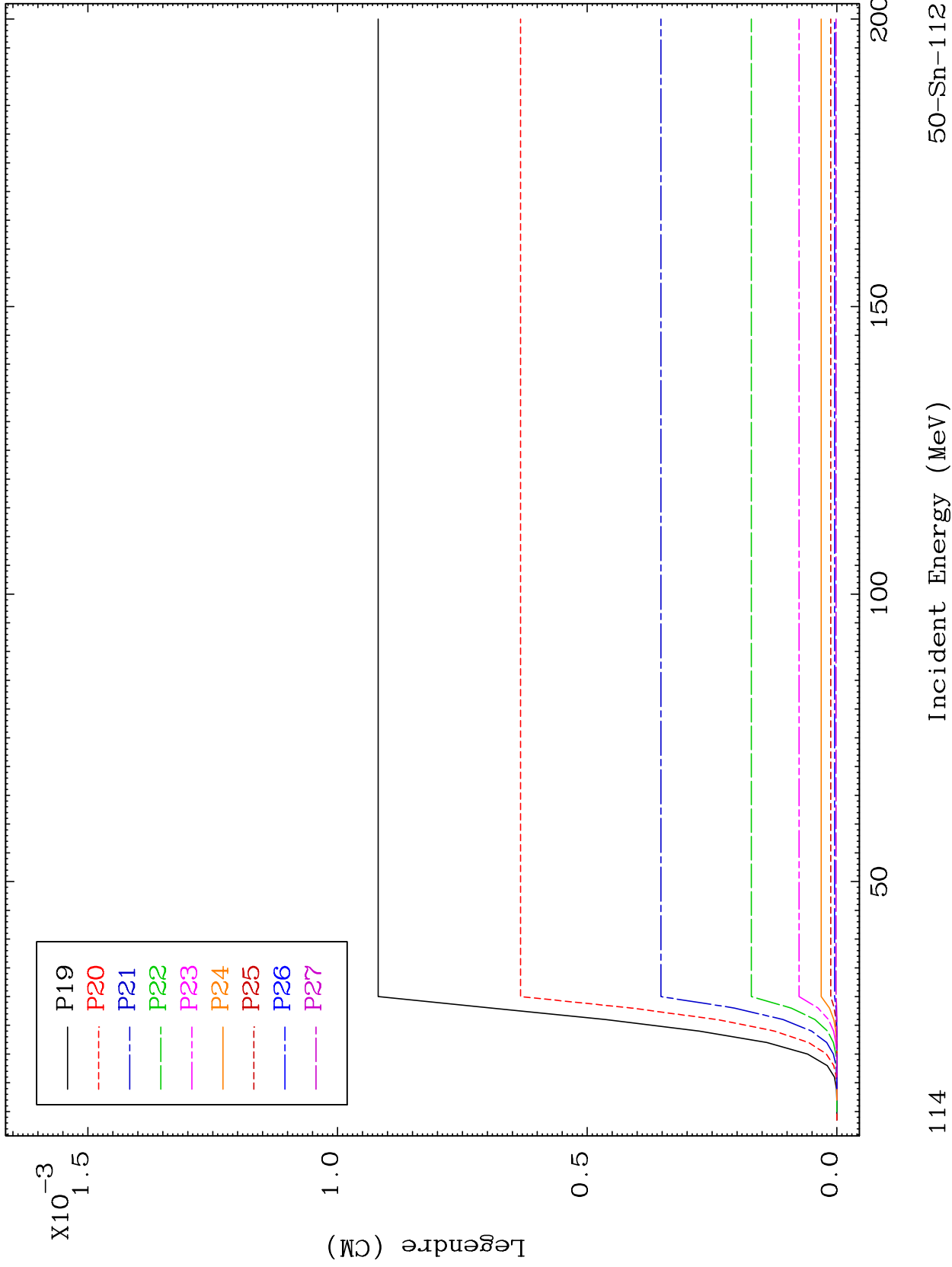


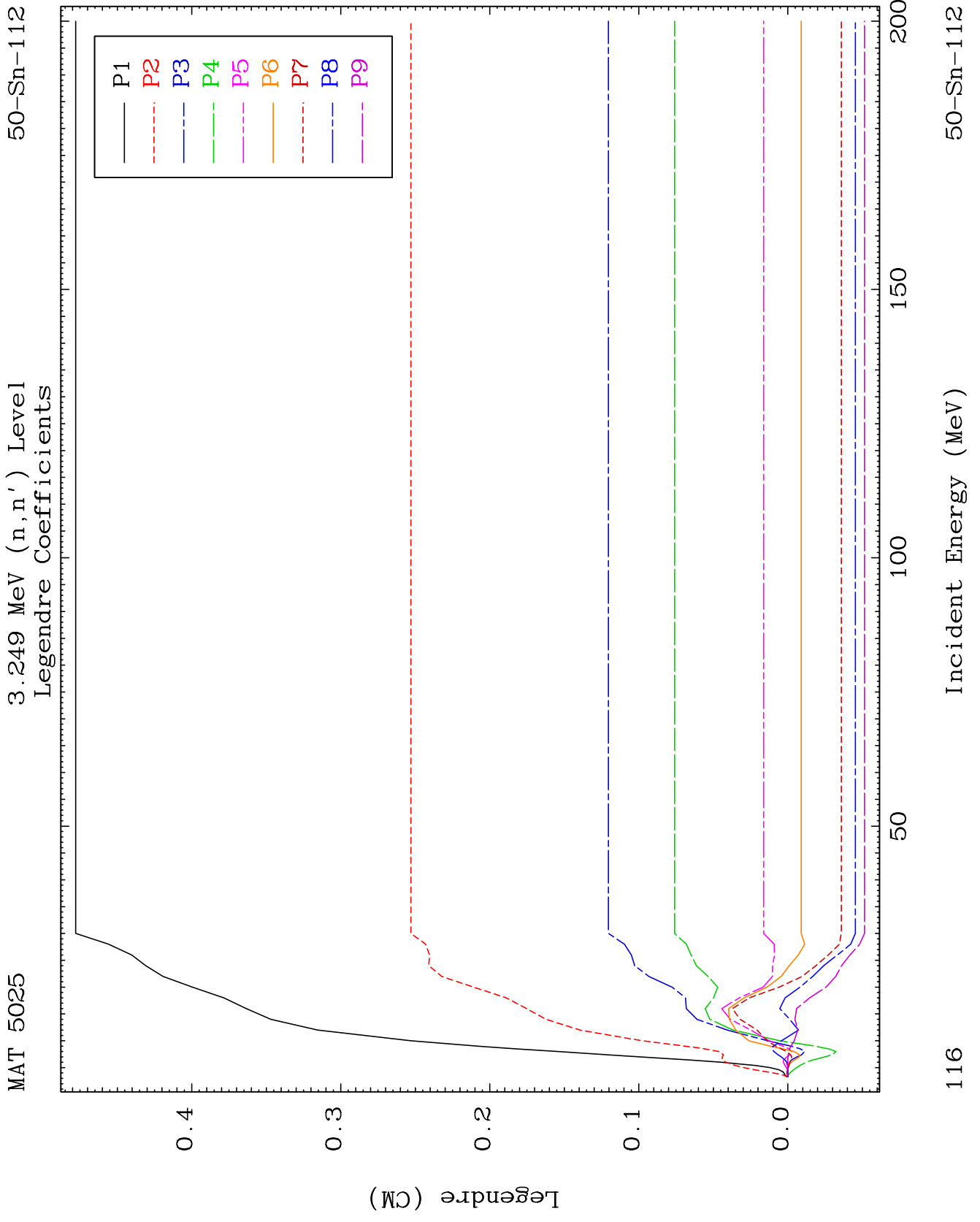


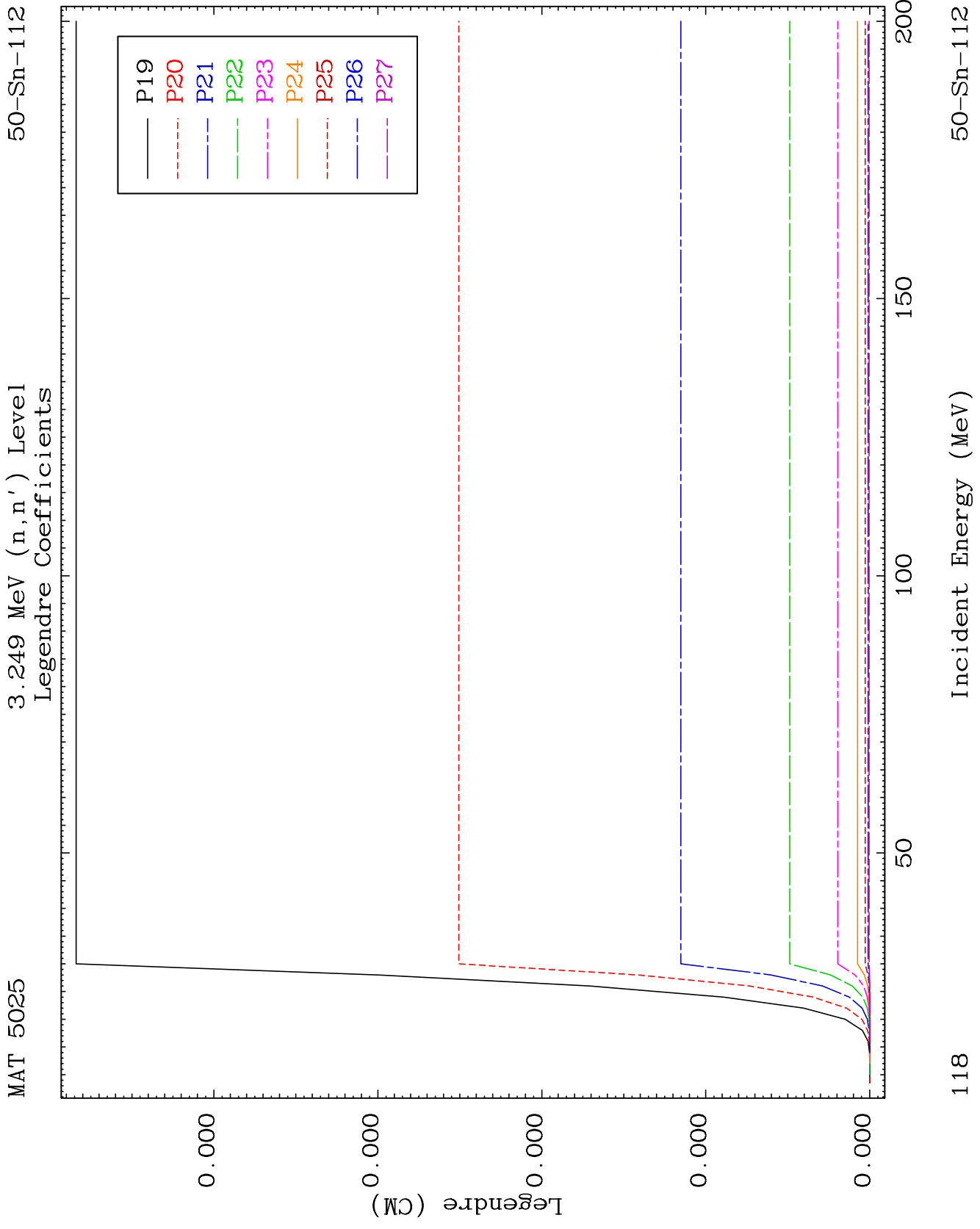
MAT 5025

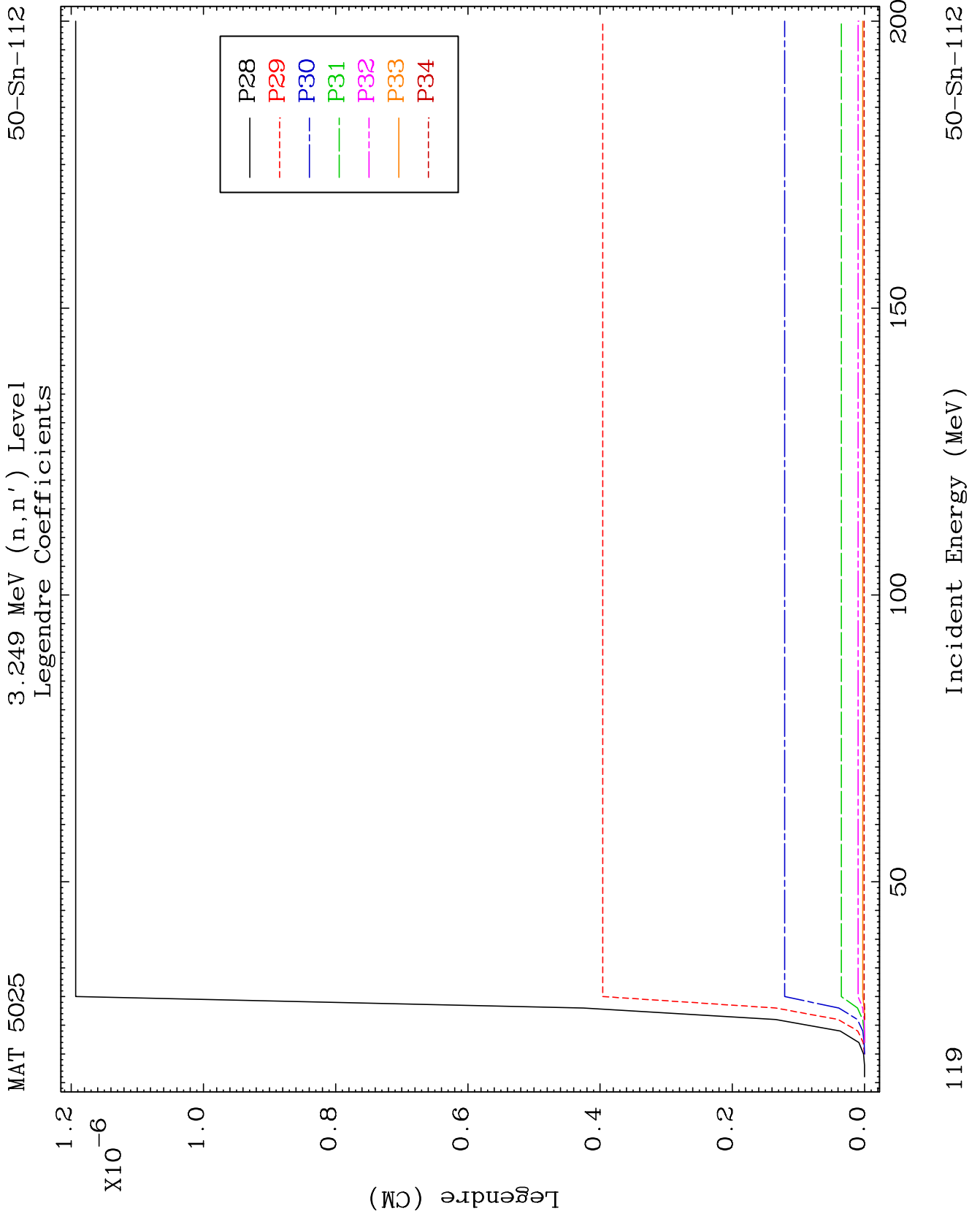
3.149 MeV (n,n') Level
Legendre Coefficients

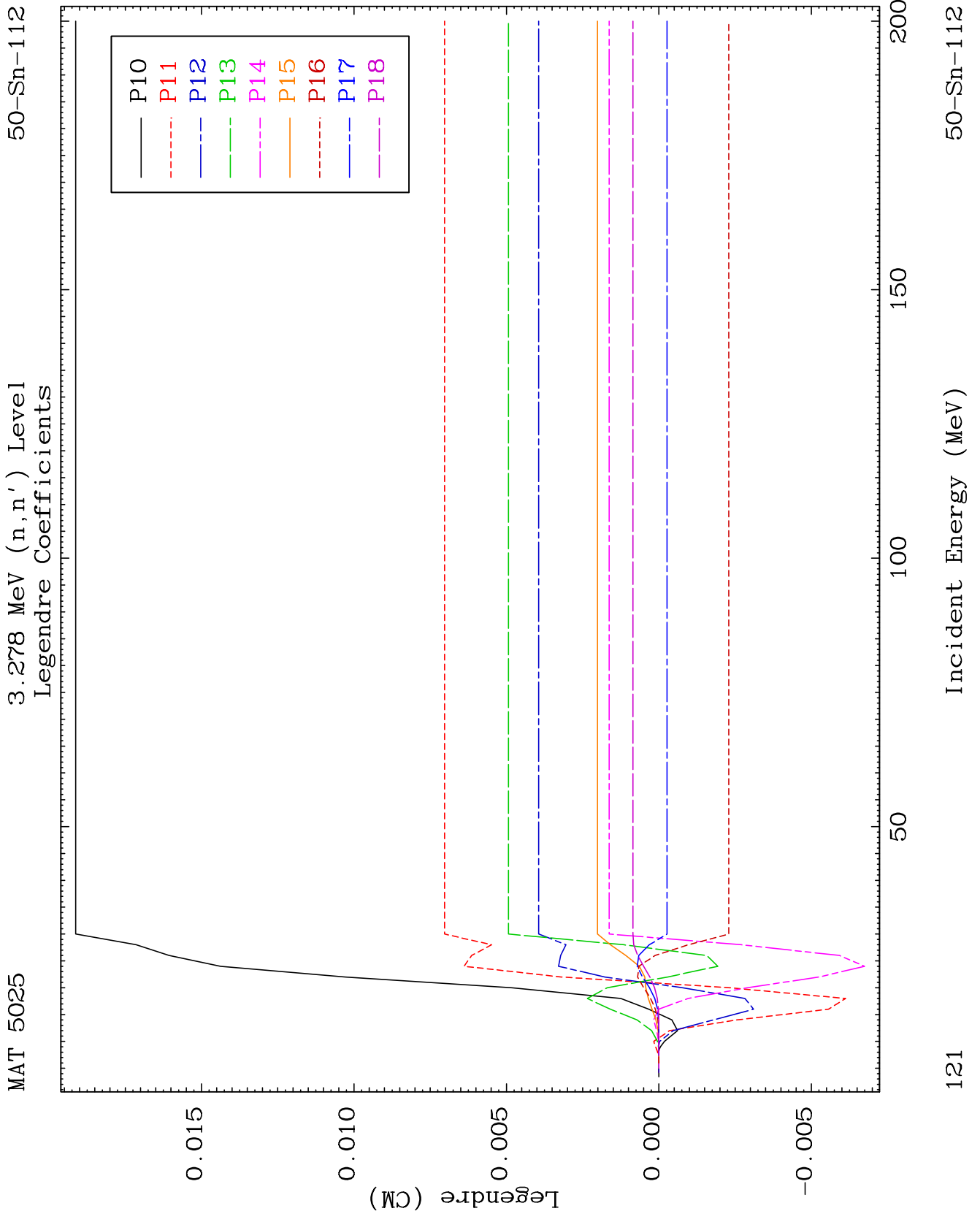
50-Sn-112







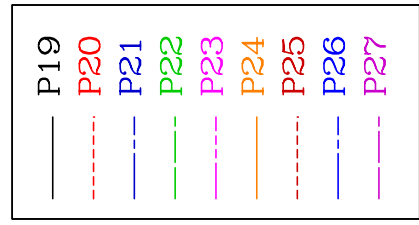




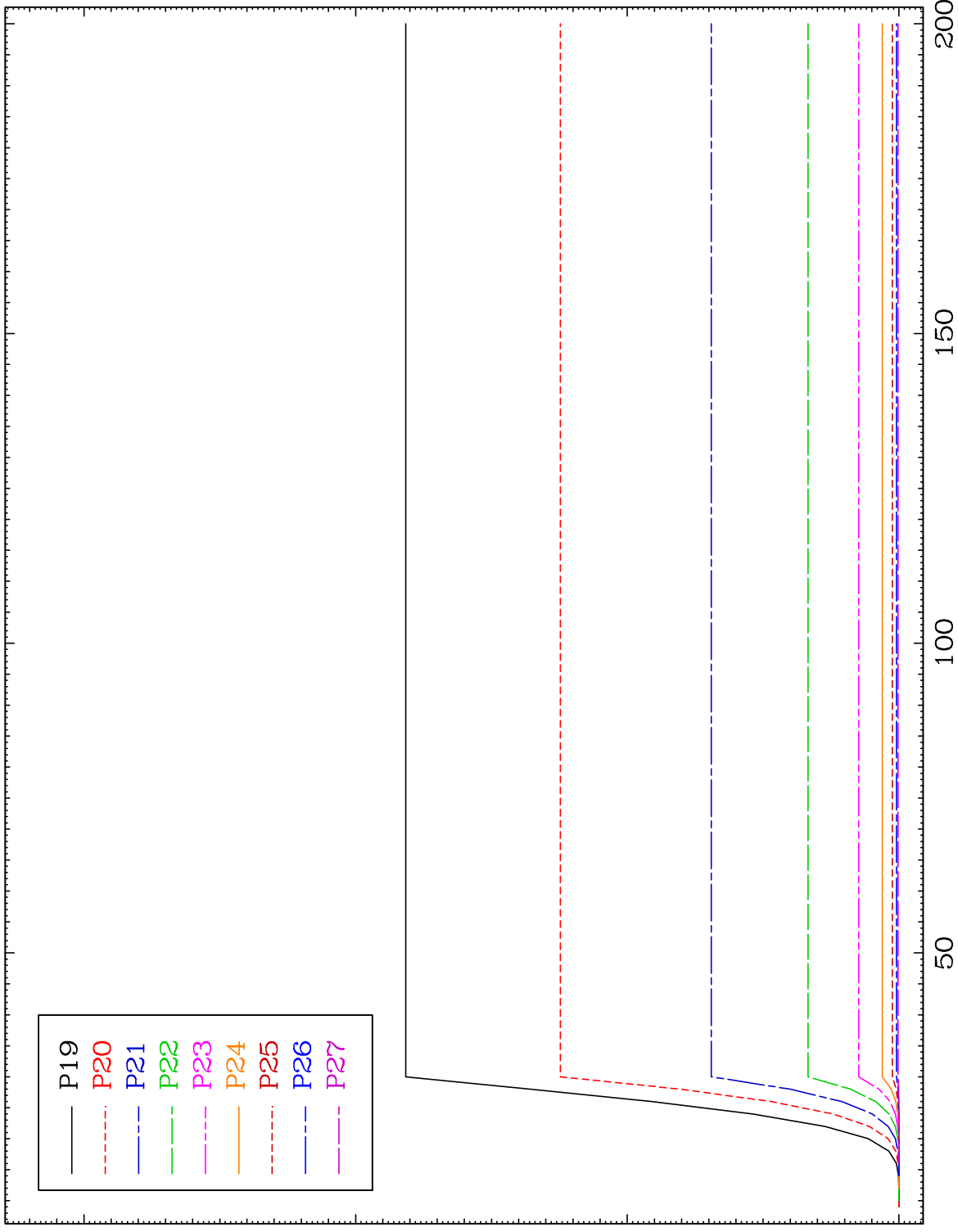
MAT 5025

3.278 MeV (n,n') Level
Legendre Coefficients

50-Sn-112



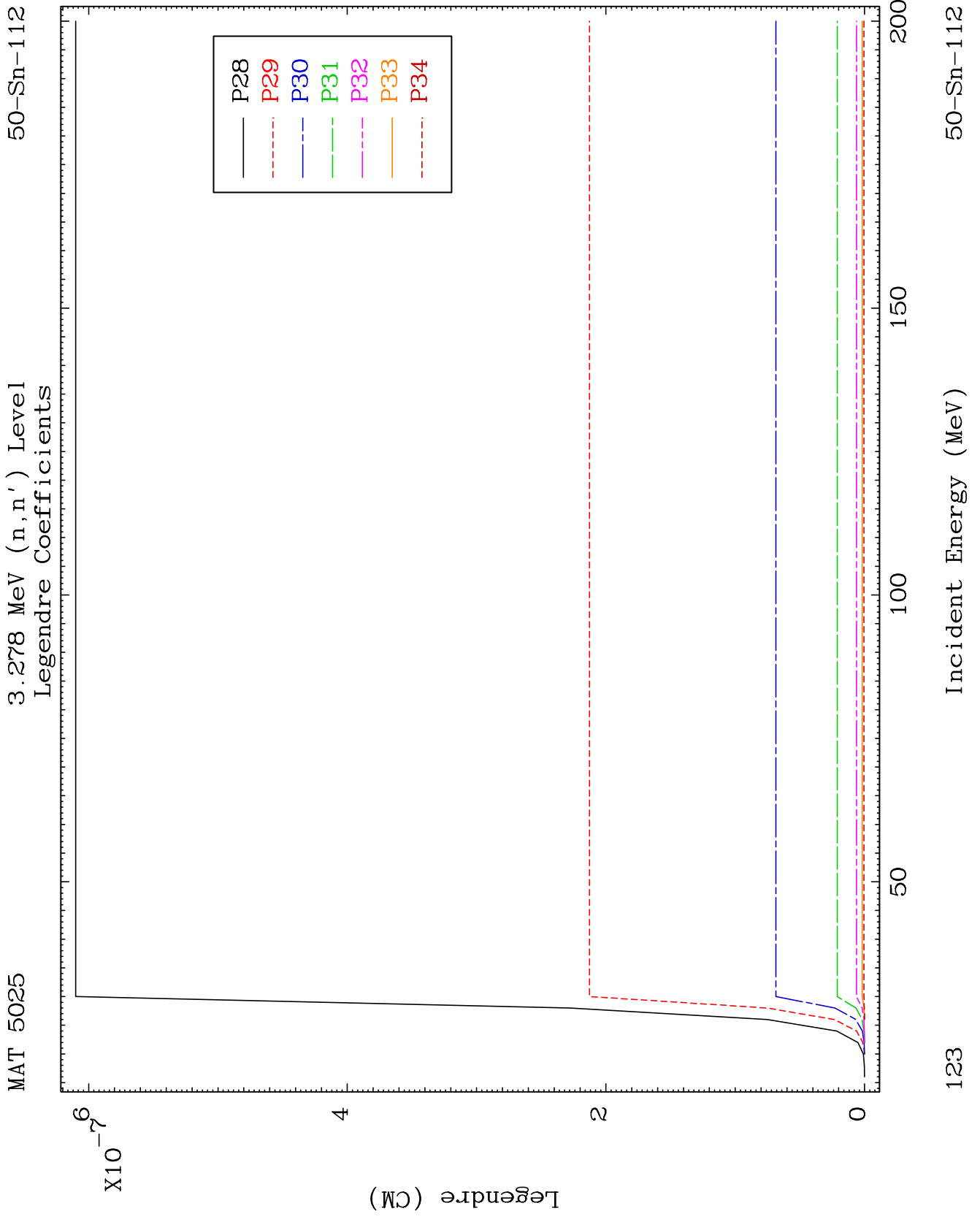
$\times 10^{-3}$
Legendre (CM)

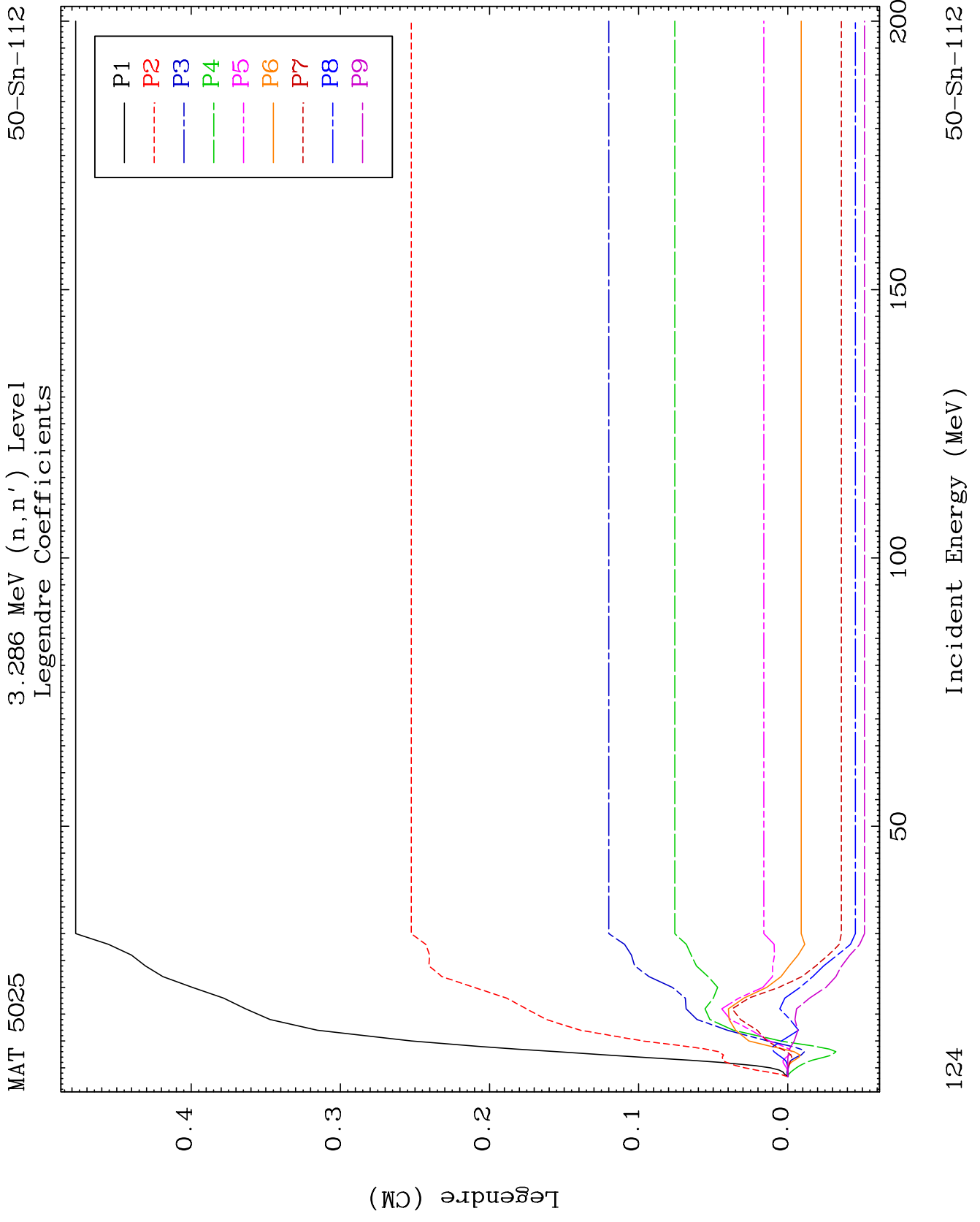


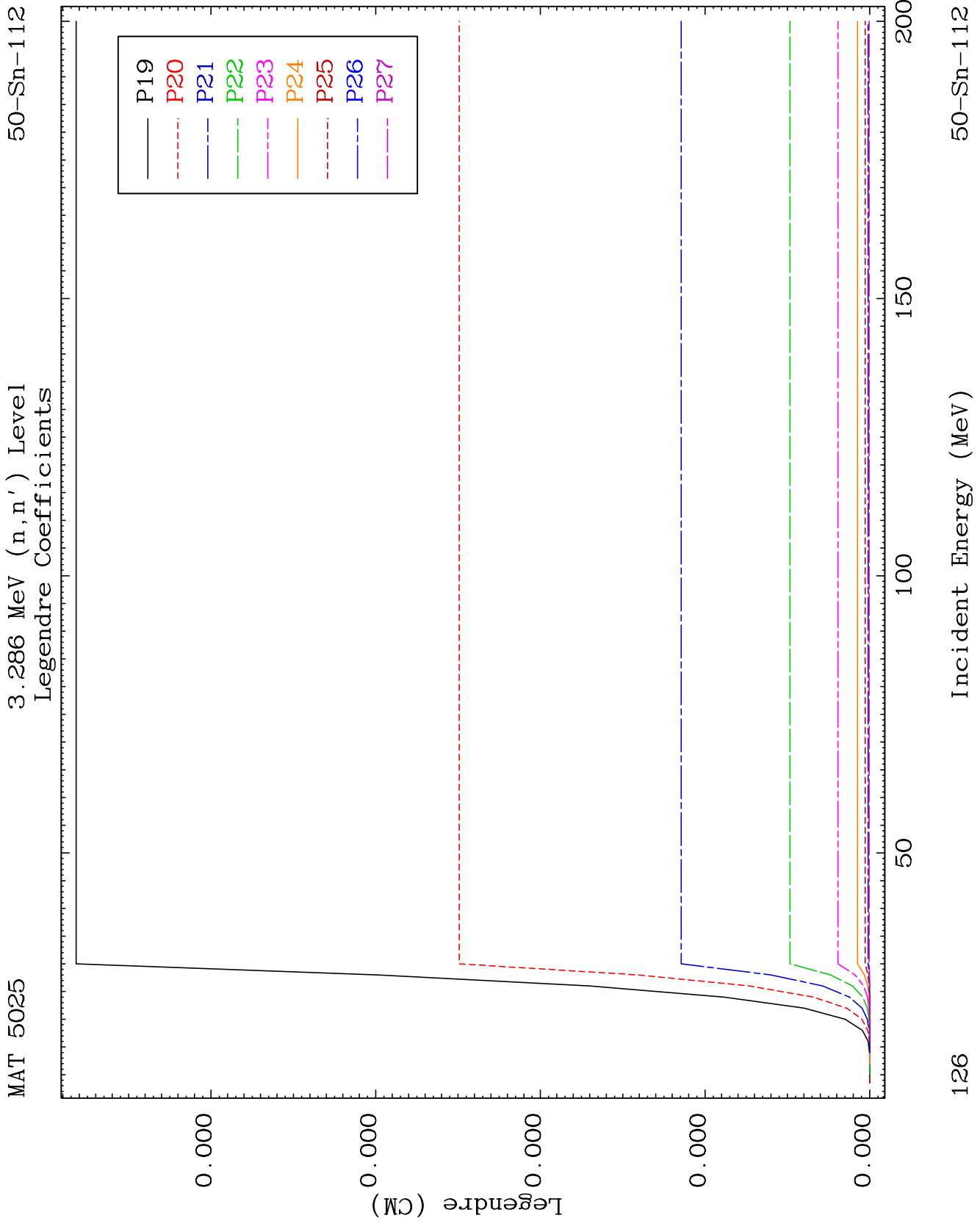
122

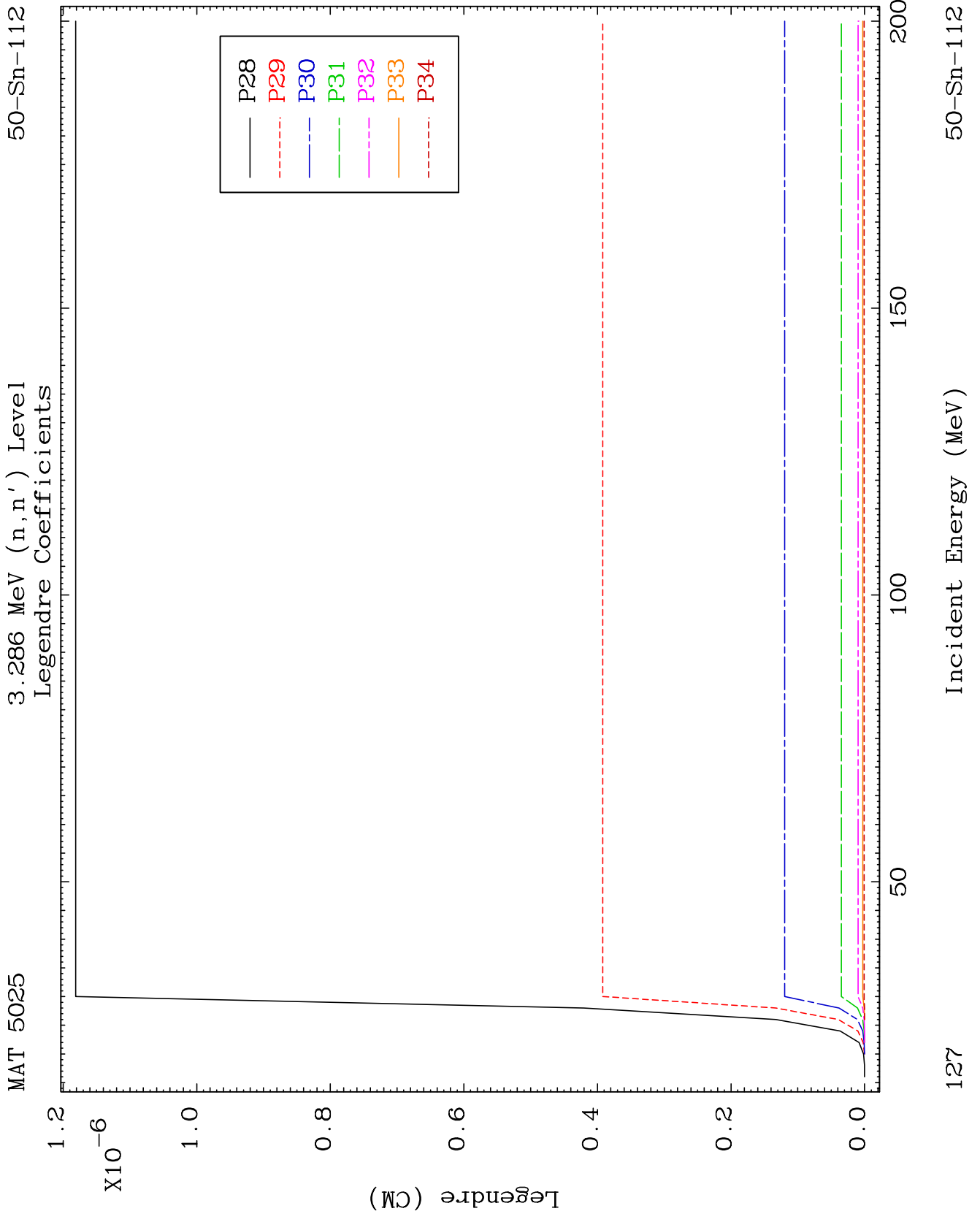
Incident Energy (MeV)

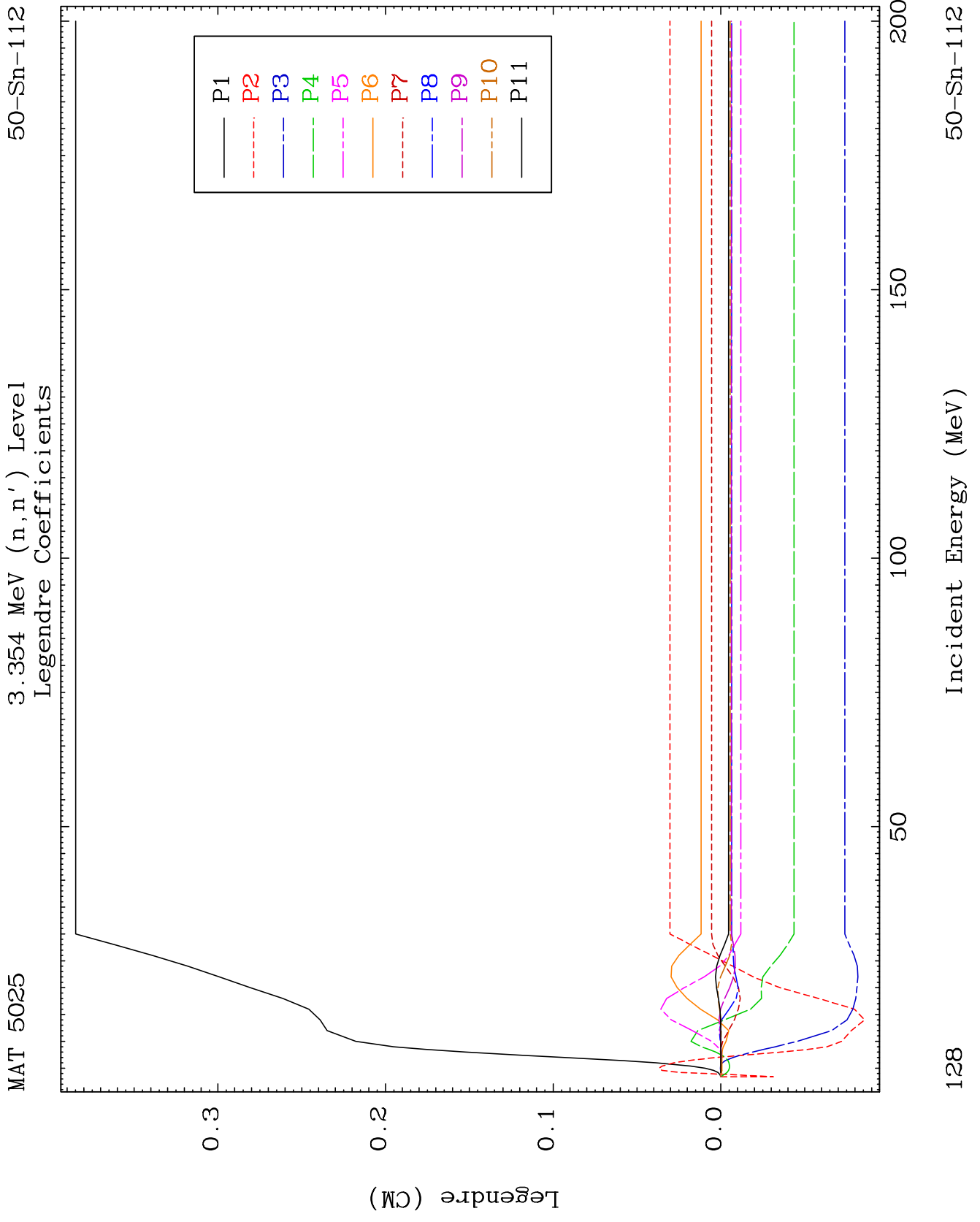
50-Sn-112

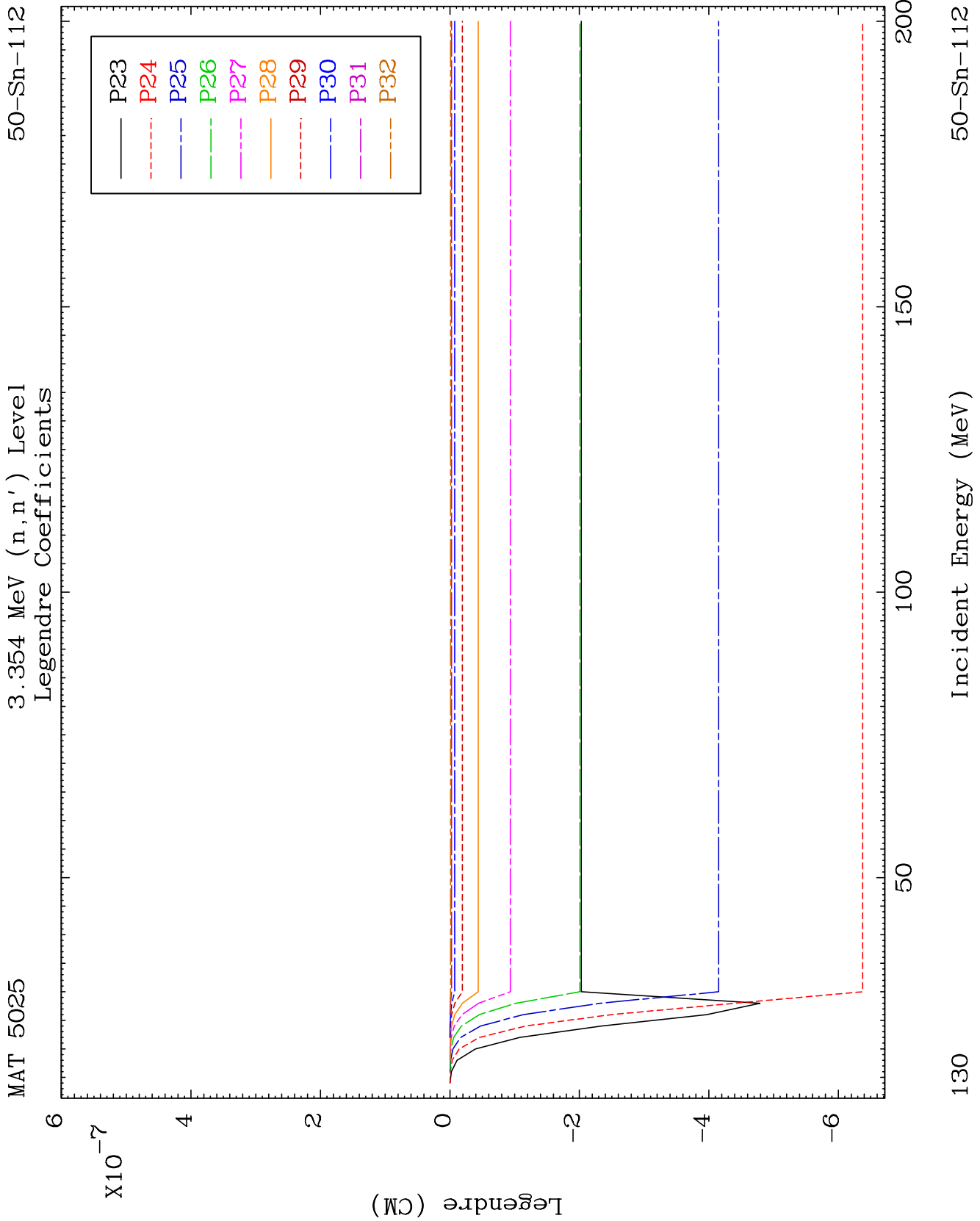


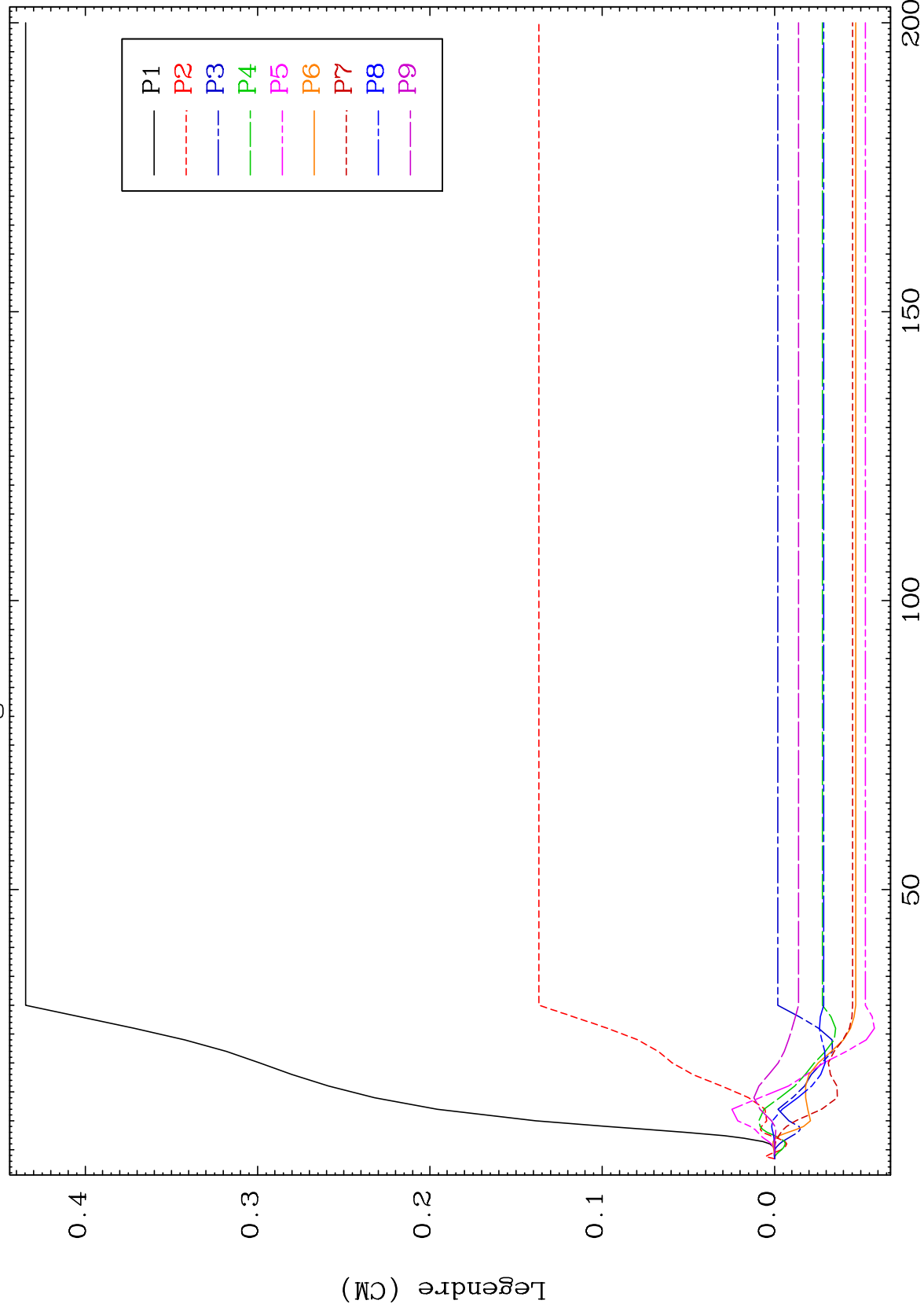


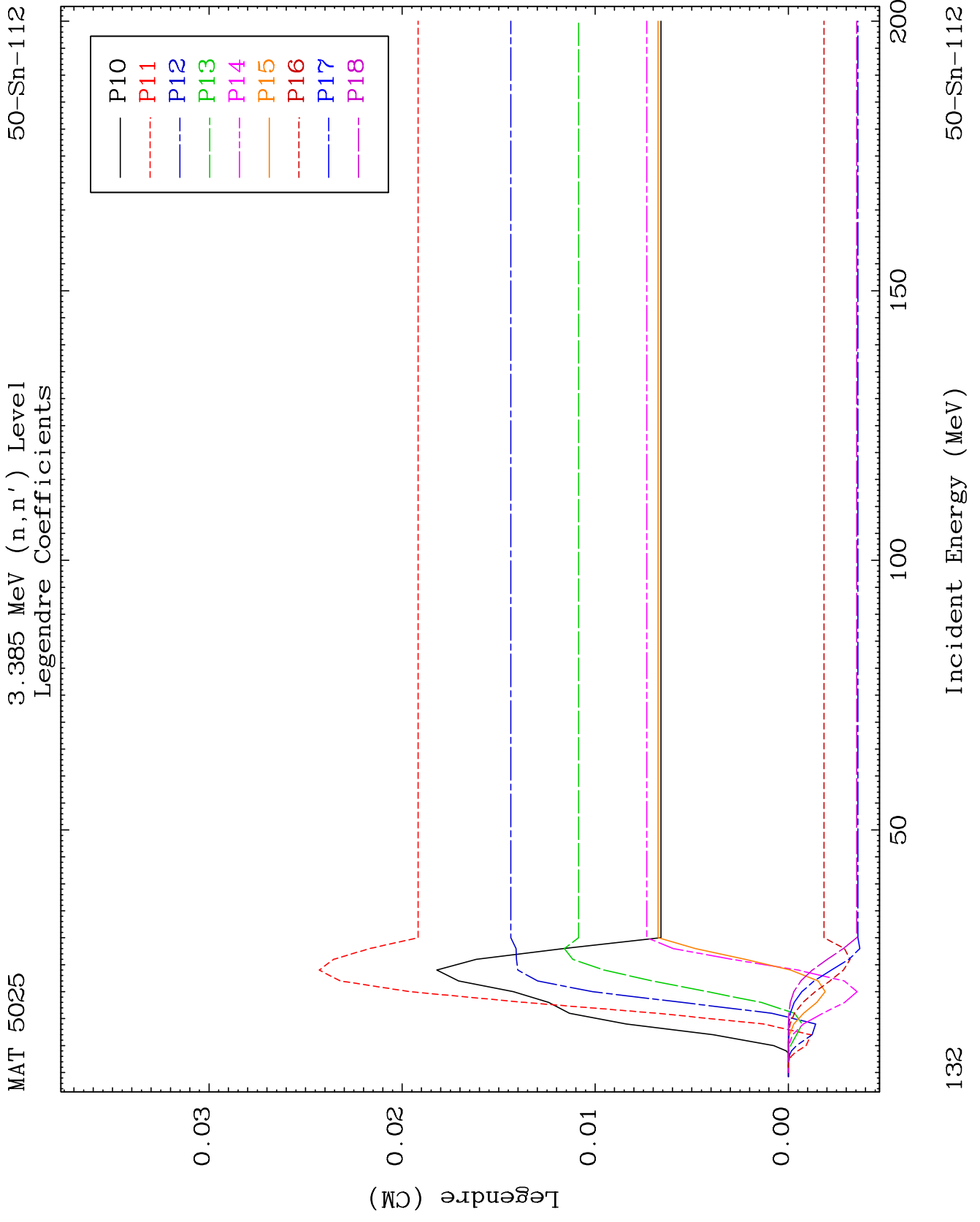


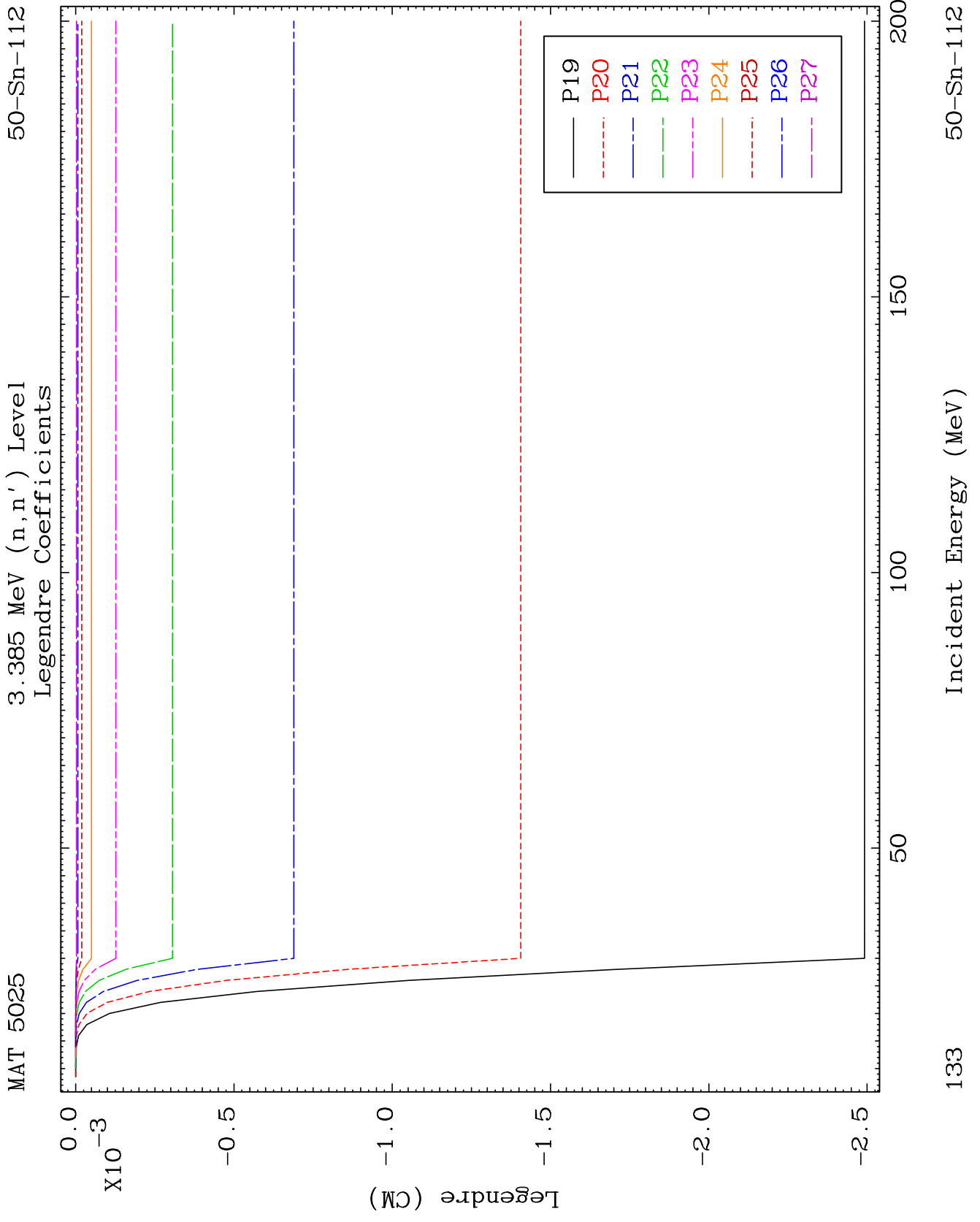


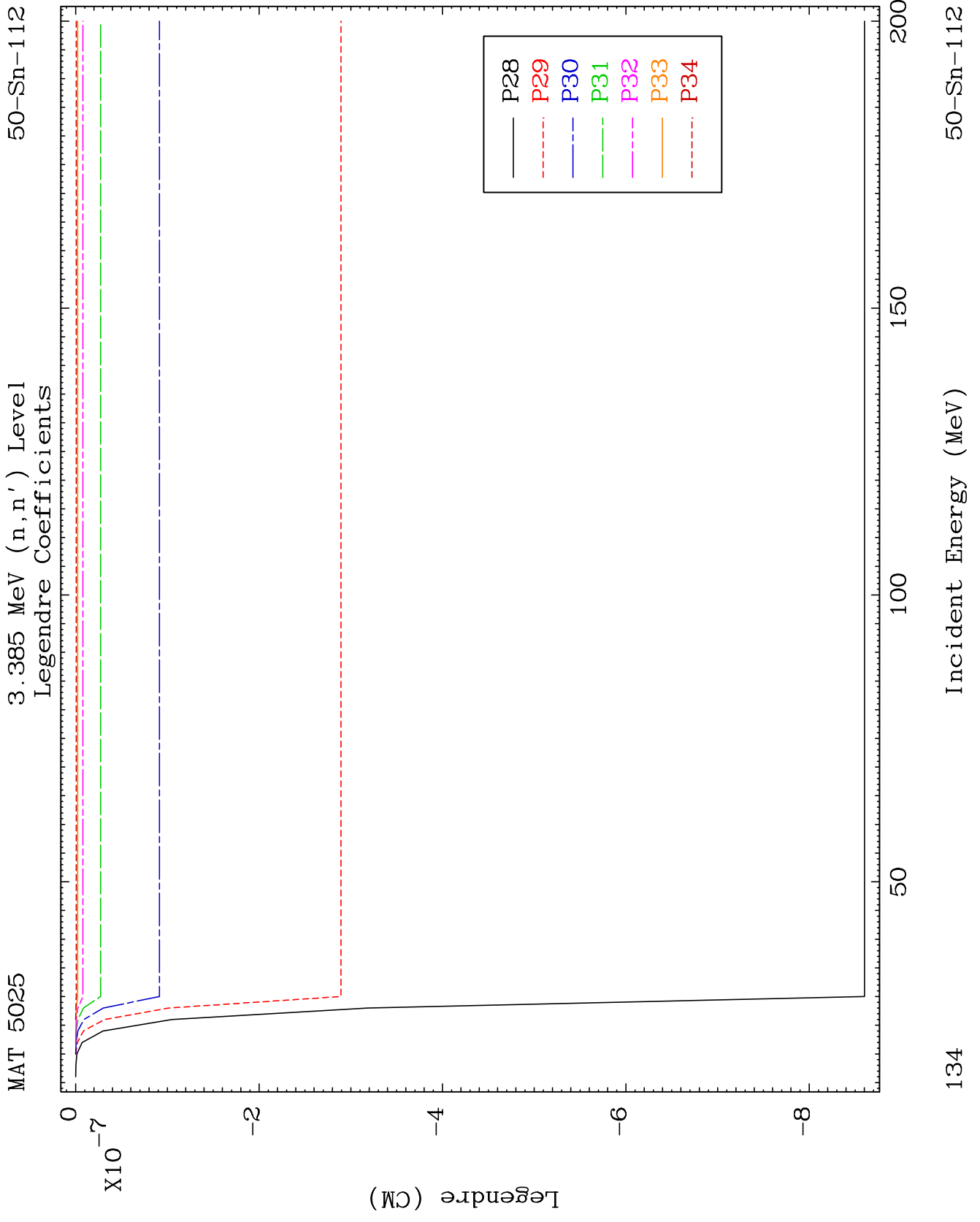










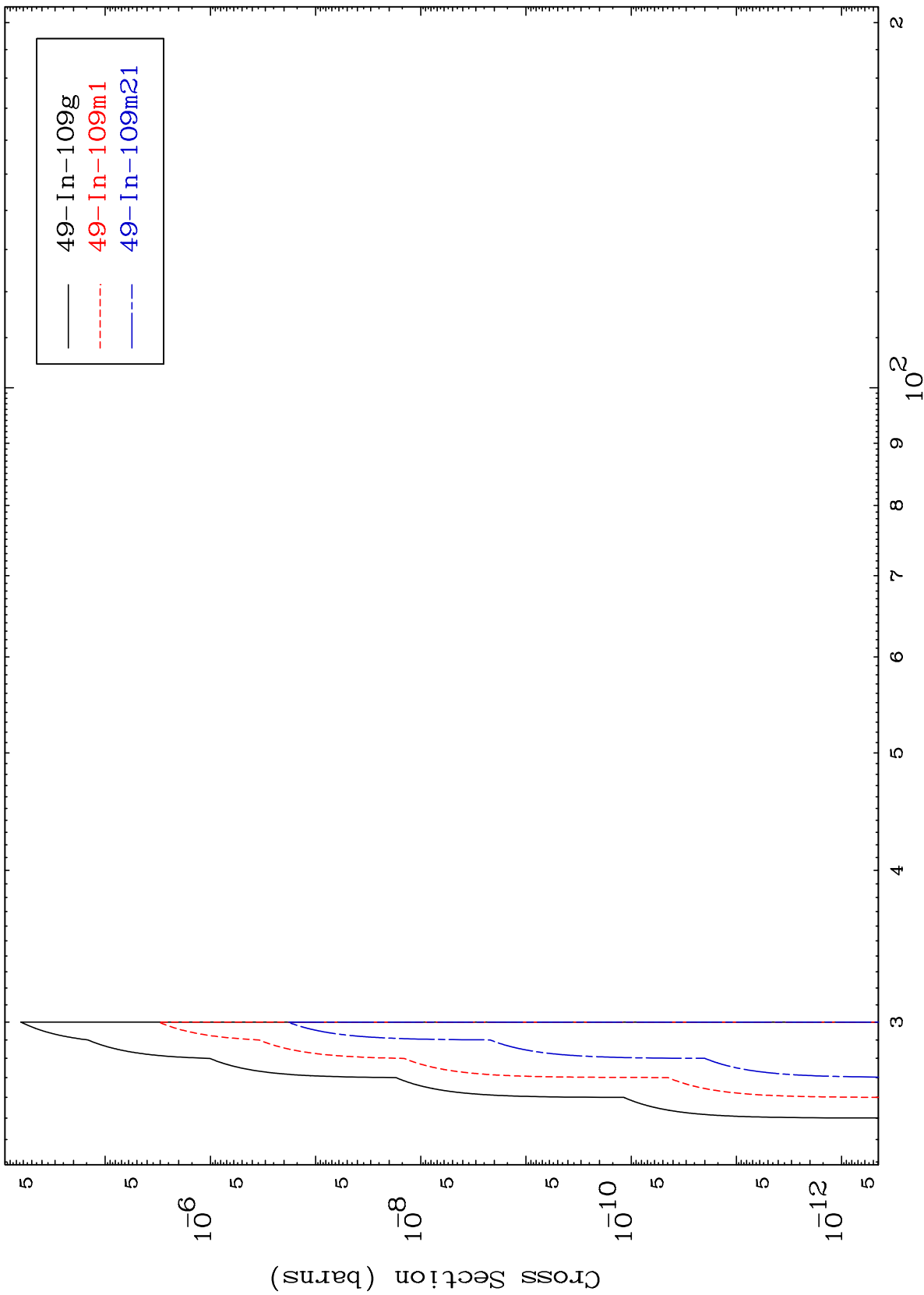


MAT 5025

(n,2n) d

50-Sn-112

Radionuclide Production Cross Section



135

Incident Energy (MeV)

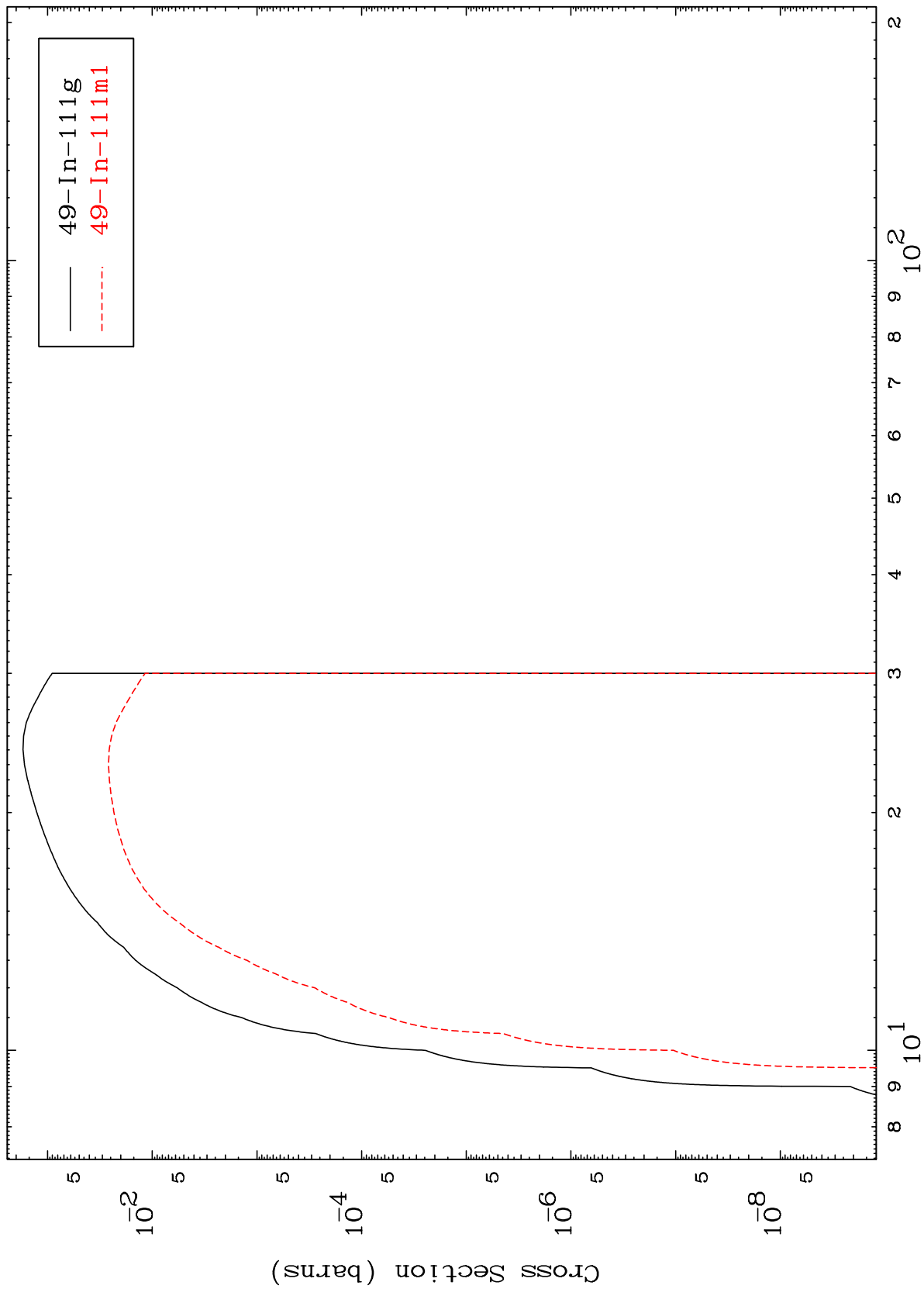
50-Sn-112

MAT 5025

(n,n') p

50-Sn-112

Radionuclide Production Cross Section



136

Incident Energy (MeV)

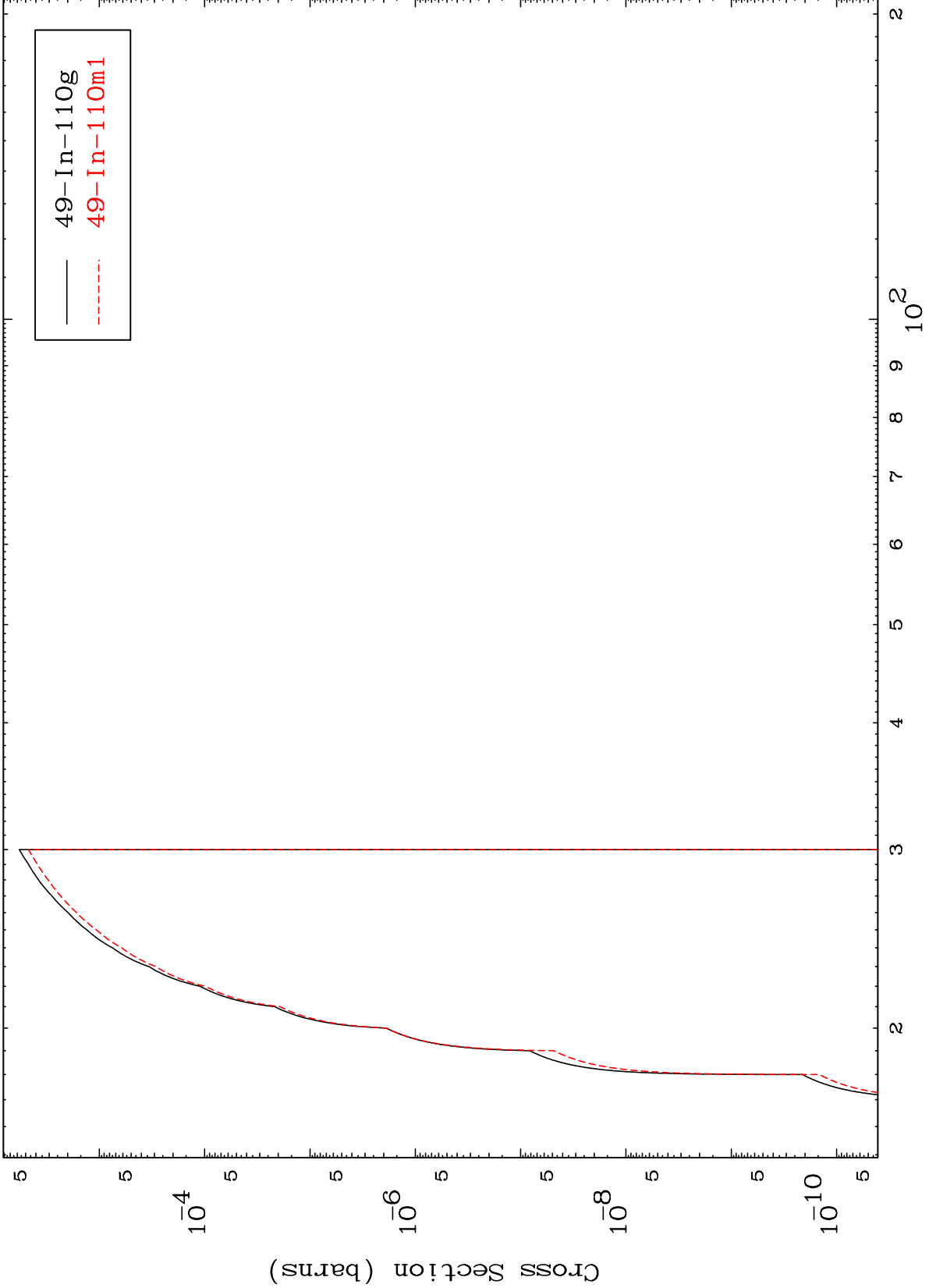
50-Sn-112

MAT 5025

(n,n') d

50-Sn-112

Radionuclide Production Cross Section

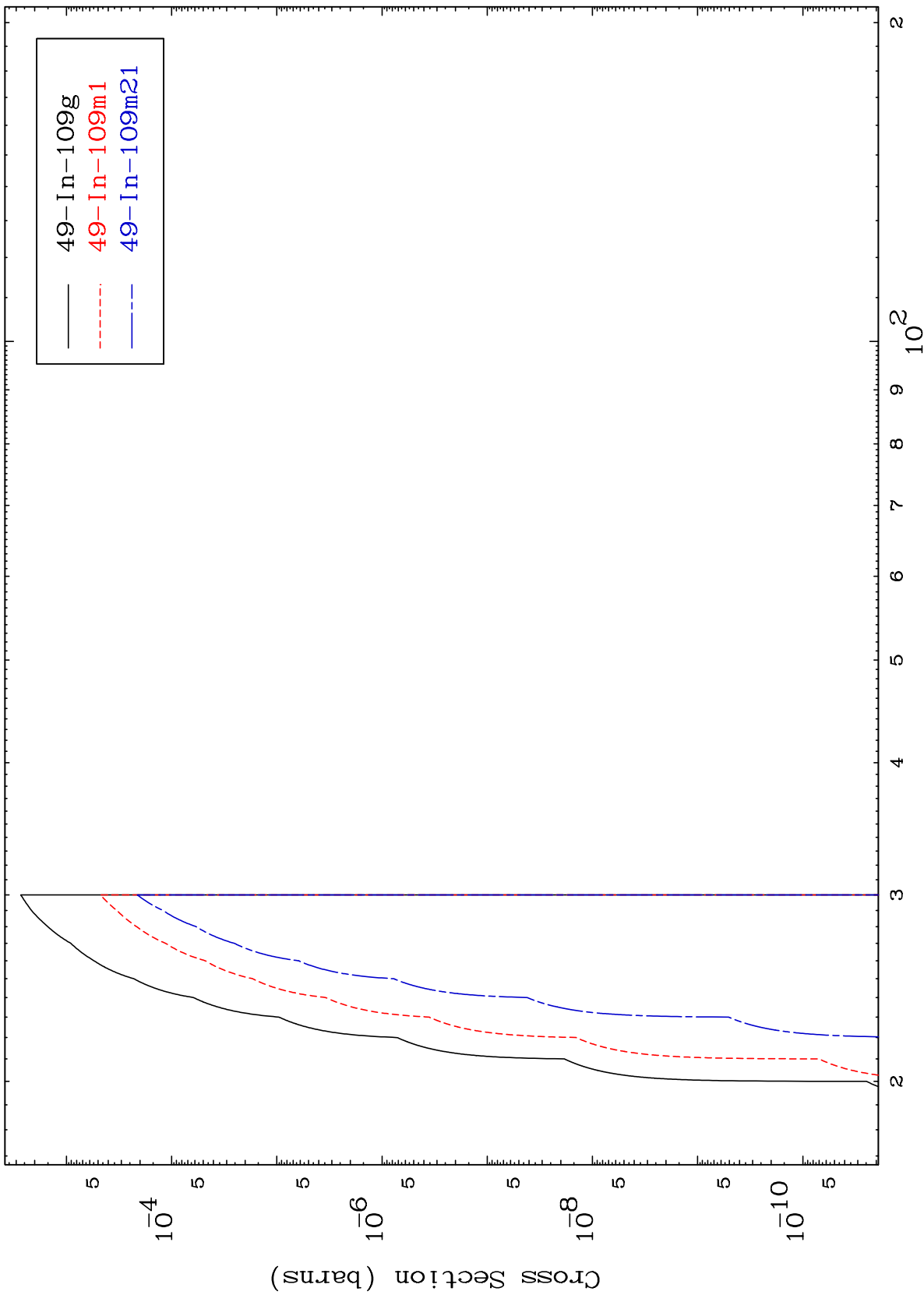


137

Incident Energy (MeV)

50-Sn-112

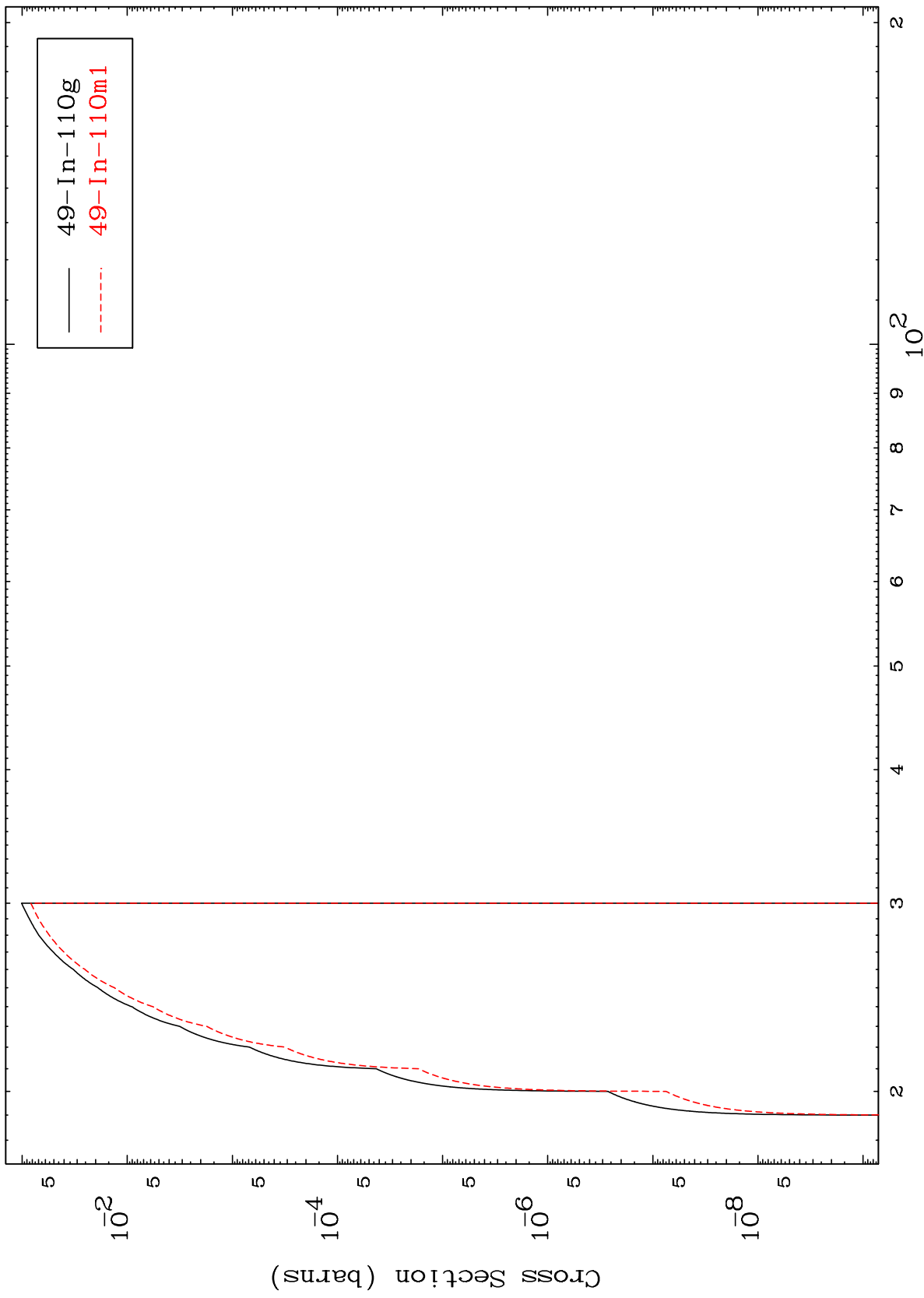
Radionuclide Production Cross Section



MAT 5025

50-Sn-112

(n,2n) p
Radionuclide Production Cross Section



139

50-Sn-112

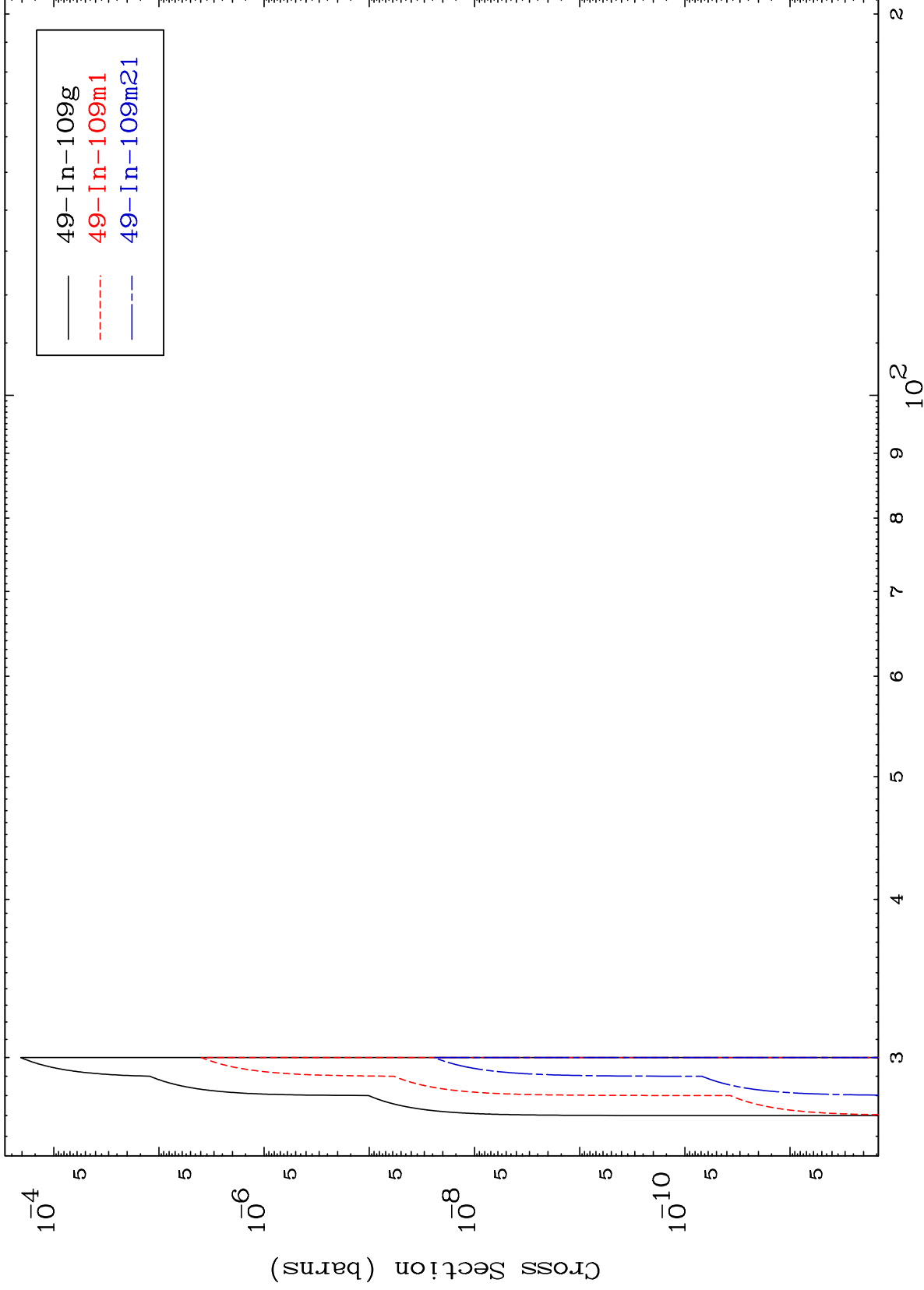
Incident Energy (MeV)

MAT 5025

(n,3n) p

50-Sn-112

Radionuclide Production Cross Section



140

Incident Energy (MeV)

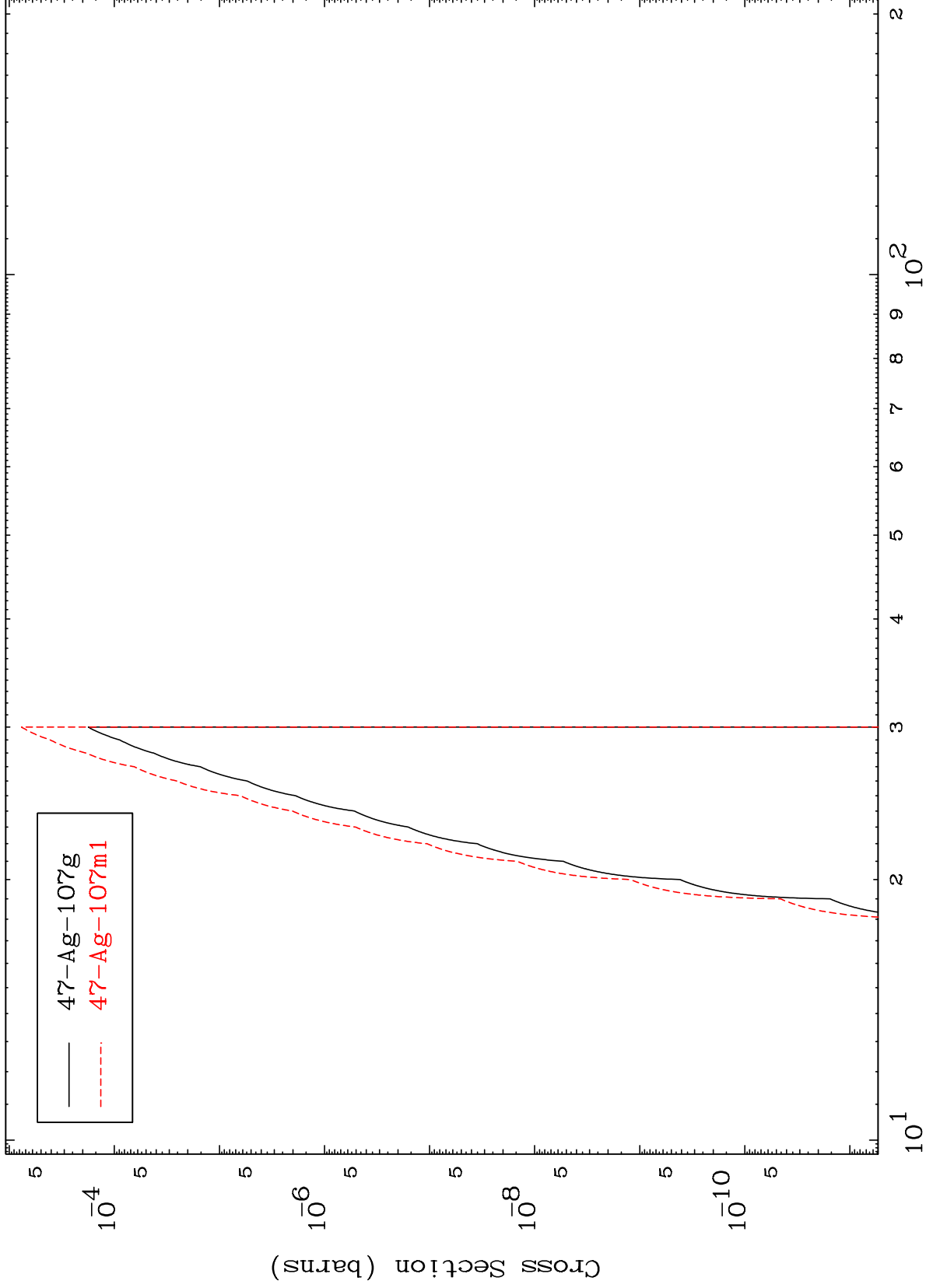
50-Sn-112

MAT 5025

(n,n') p α

50-Sn-112

Radionuclide Production Cross Section



141

Incident Energy (MeV)

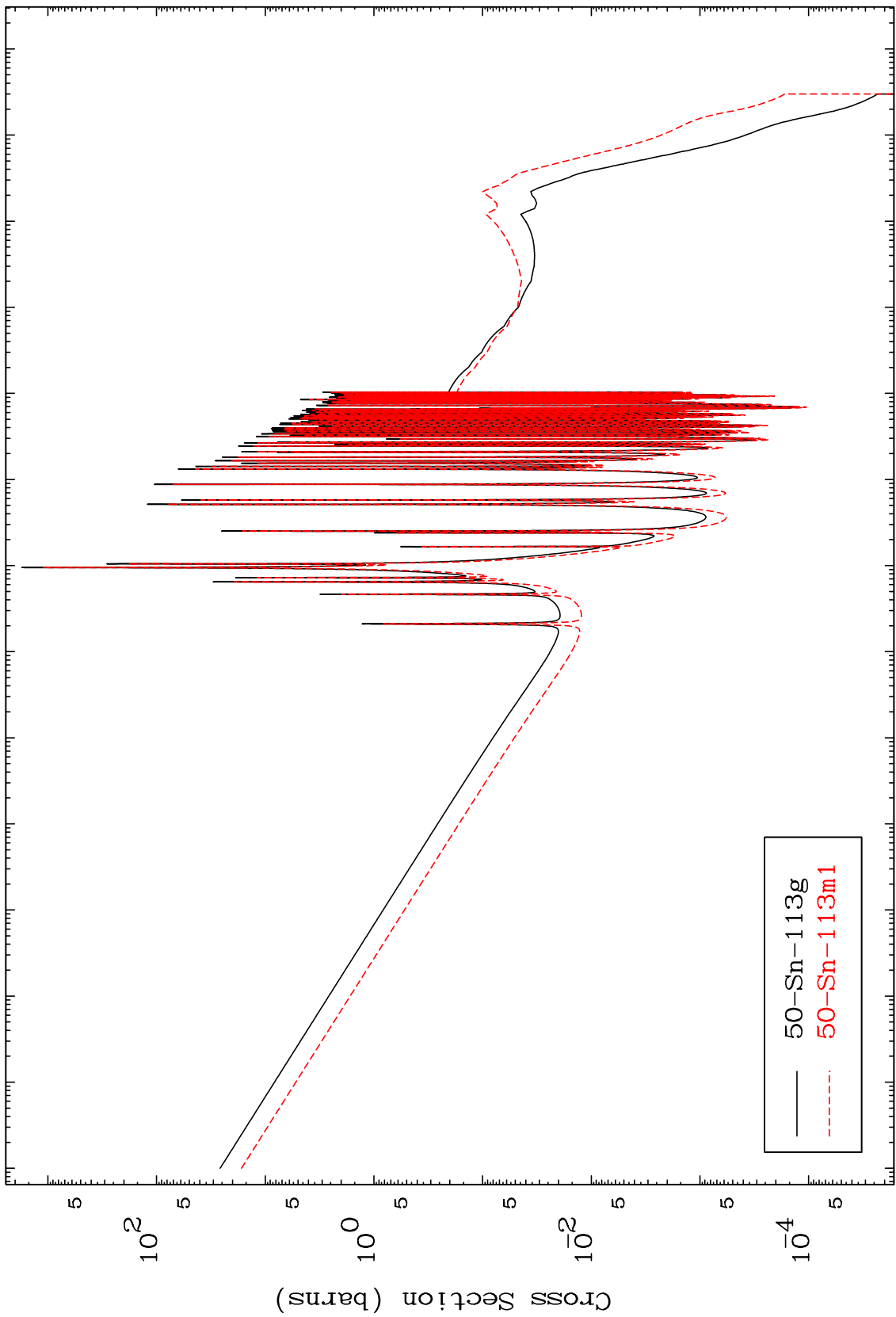
50-Sn-112

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

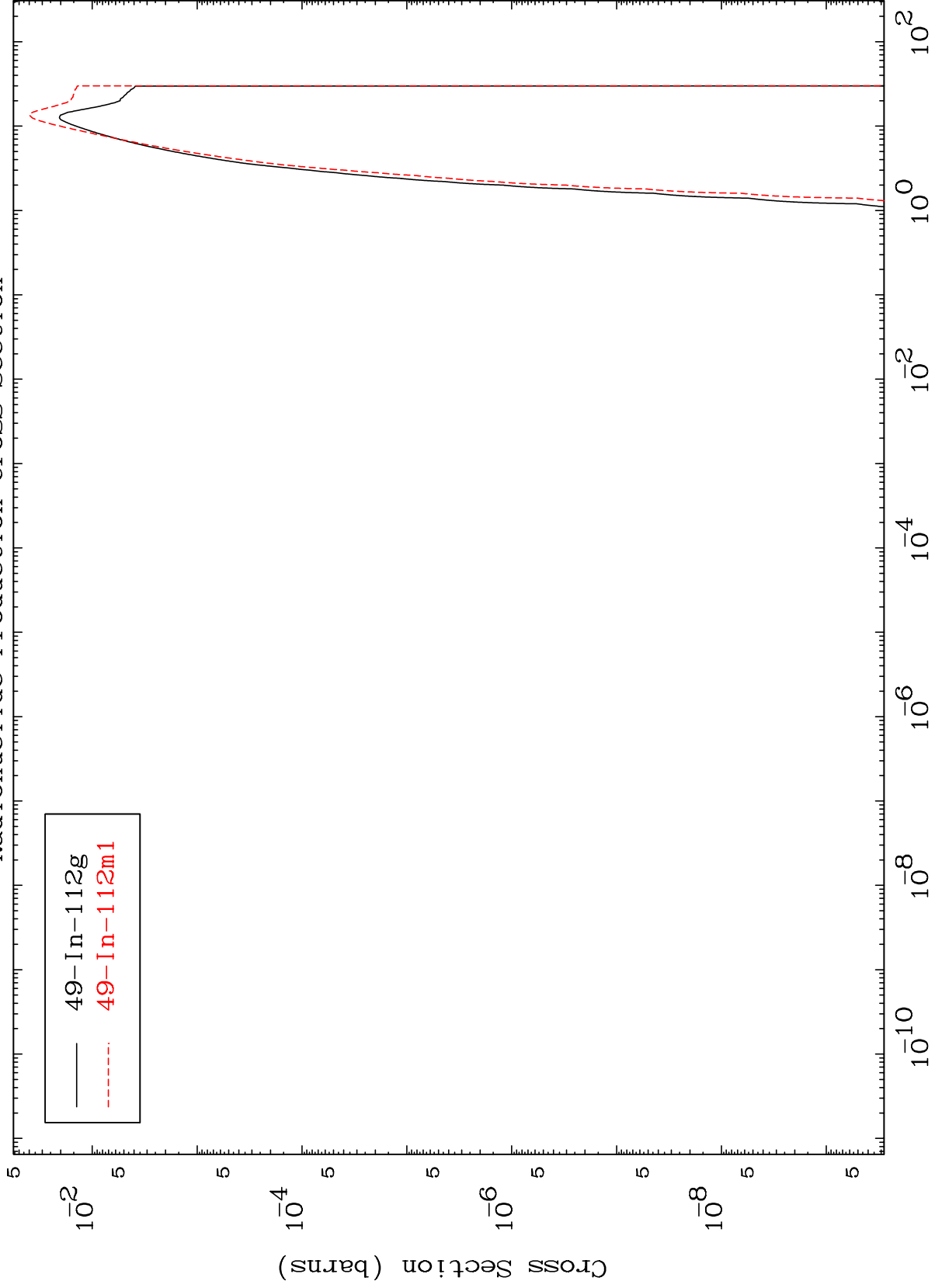
142

MAT 5025

(n,p)

50-Sn-112

Radionuclide Production Cross Section



143

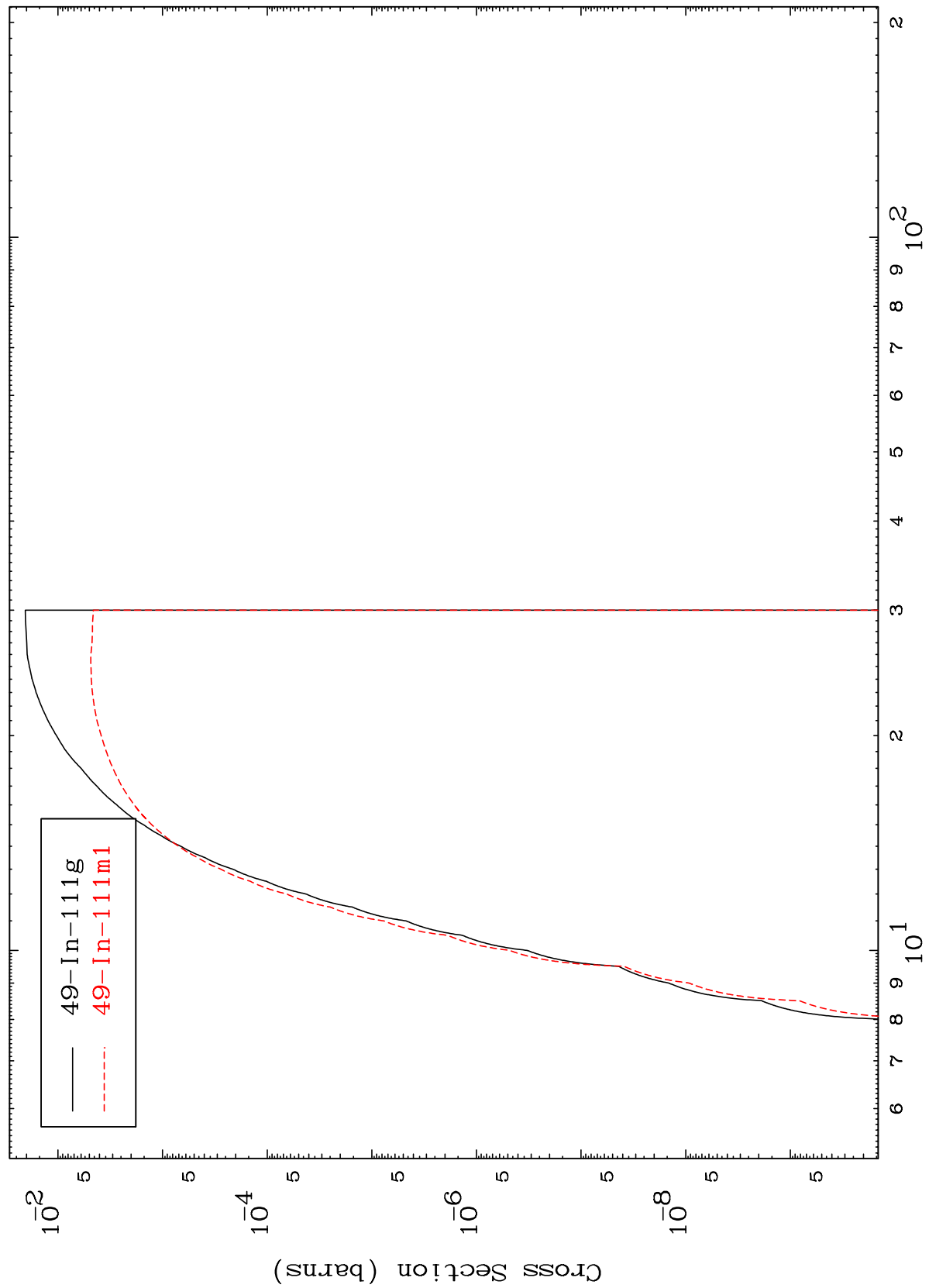
Incident Energy (MeV)

50-Sn-112

MAT 5025

50-Sn-112

(n,d)
Radionuclide Production Cross Section



144

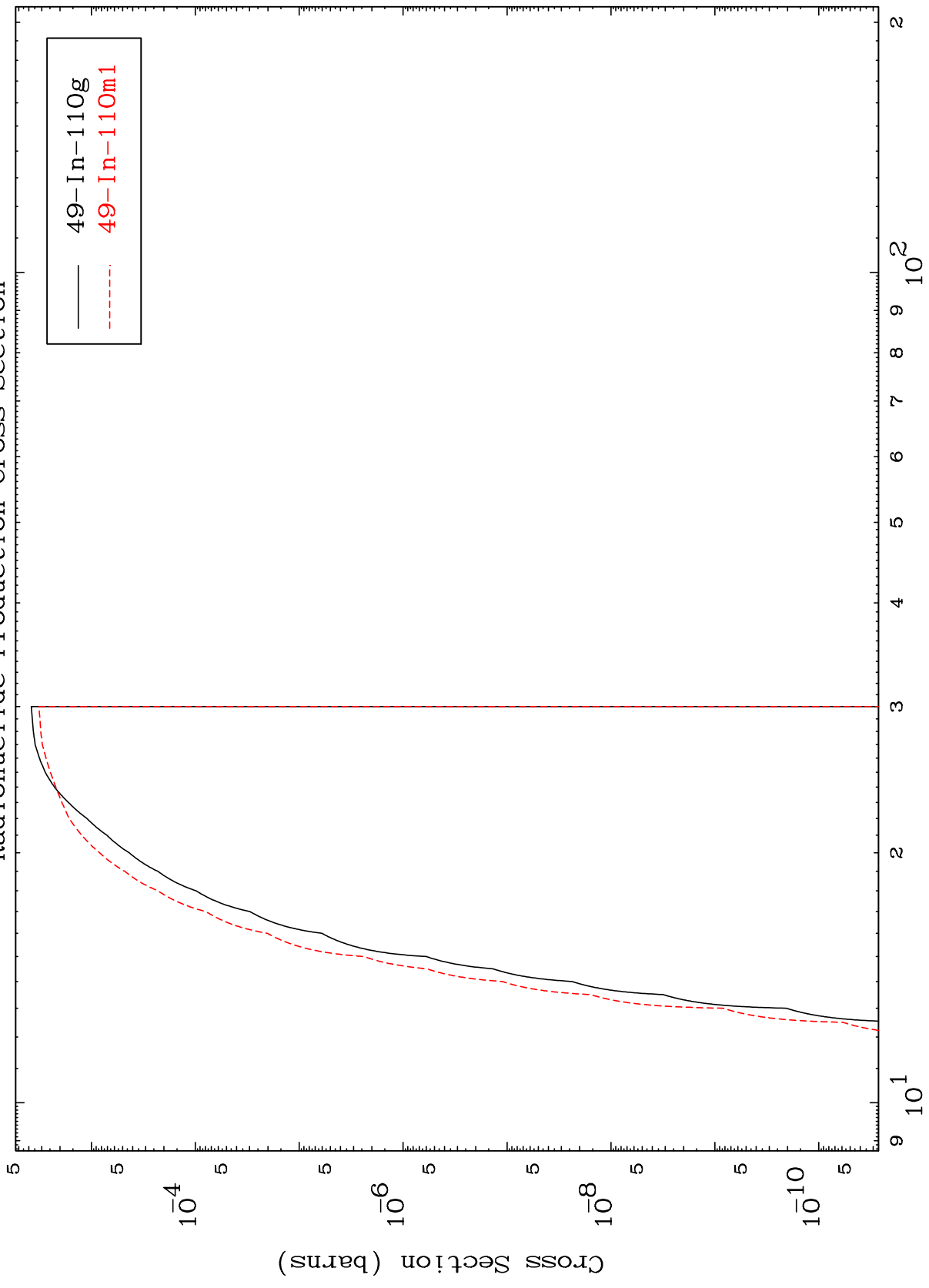
Incident Energy (MeV)

50-Sn-112

MAT 5025

50-Sn-112

(n,t)
Radionuclide Production Cross Section



50-Sn-112

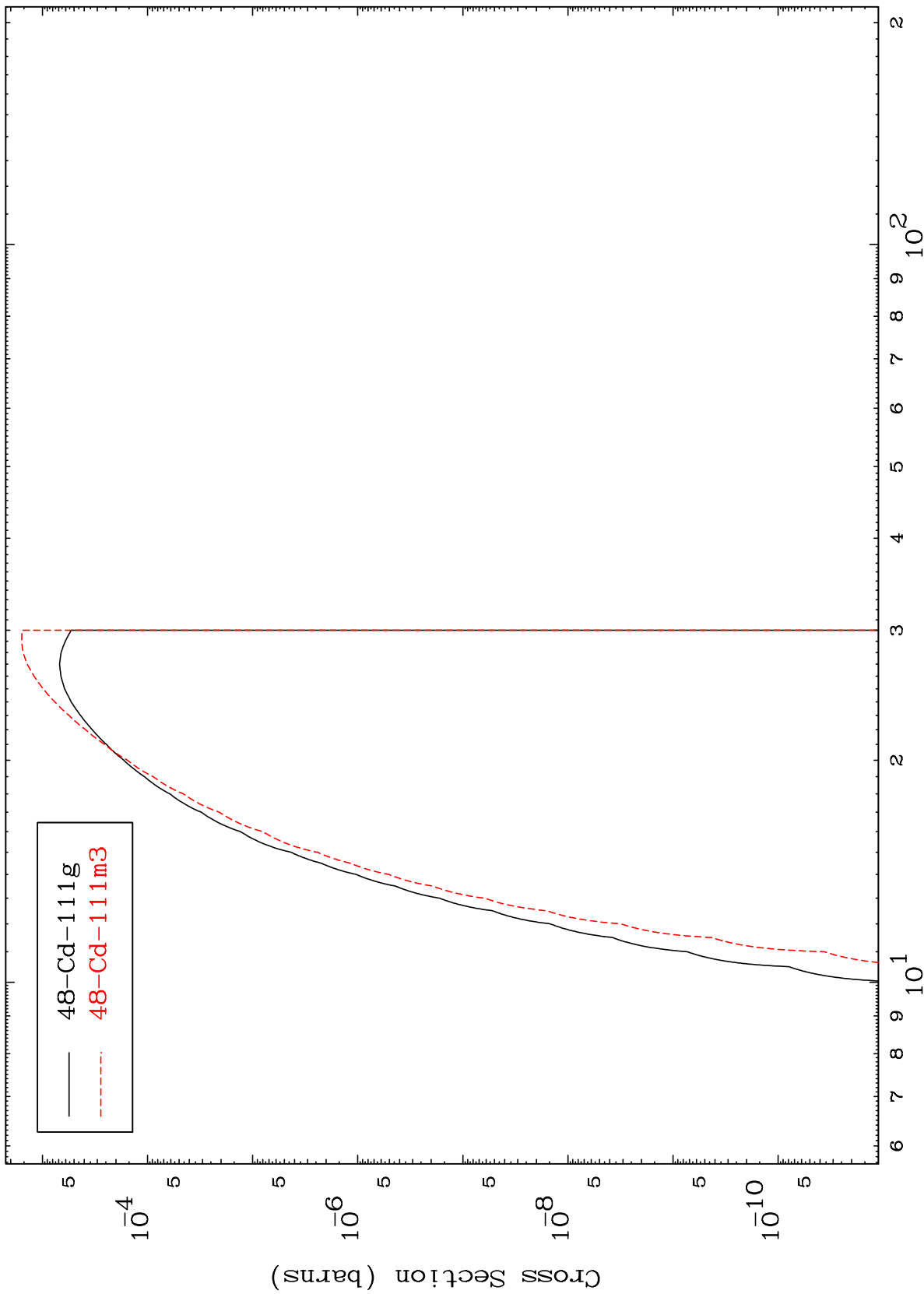
Incident Energy (MeV)

145

MAT 5025

50-Sn-112

(n,2p)
Radionuclide Production Cross Section



50-Sn-112

Incident Energy (MeV)

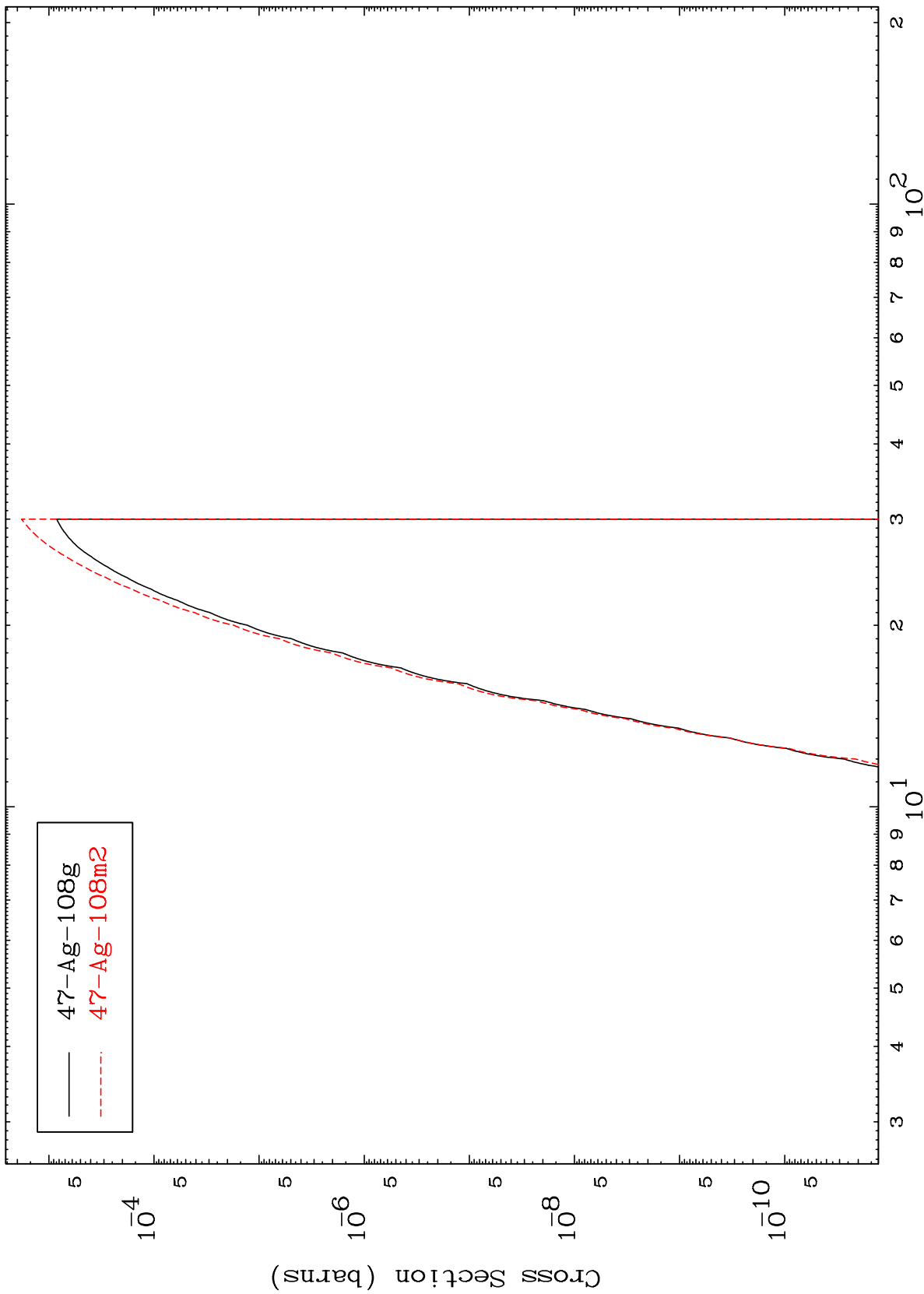
146

MAT 5025

50-Sn-112

(n,p) α

Radionuclide Production Cross Section



147

Incident Energy (MeV)

50-Sn-112

MAT 5025

(n,d) α

50-Sn-112

Radionuclide Production Cross Section

