

Program EVALPLOT
(Version 2018-1)

by

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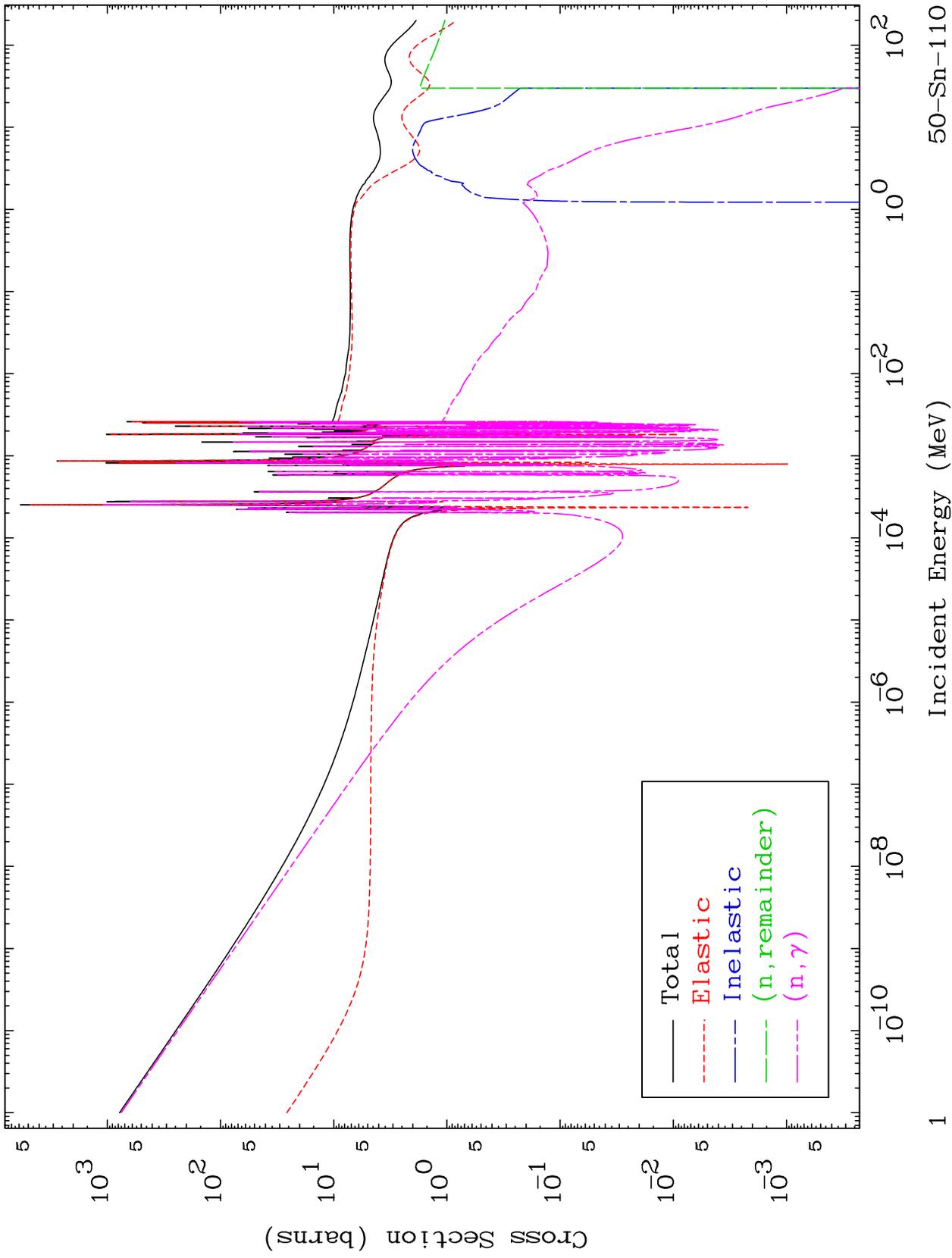
Press Mouse Button to Start

MAT 5019

Major

293 Kelvin Cross Sections

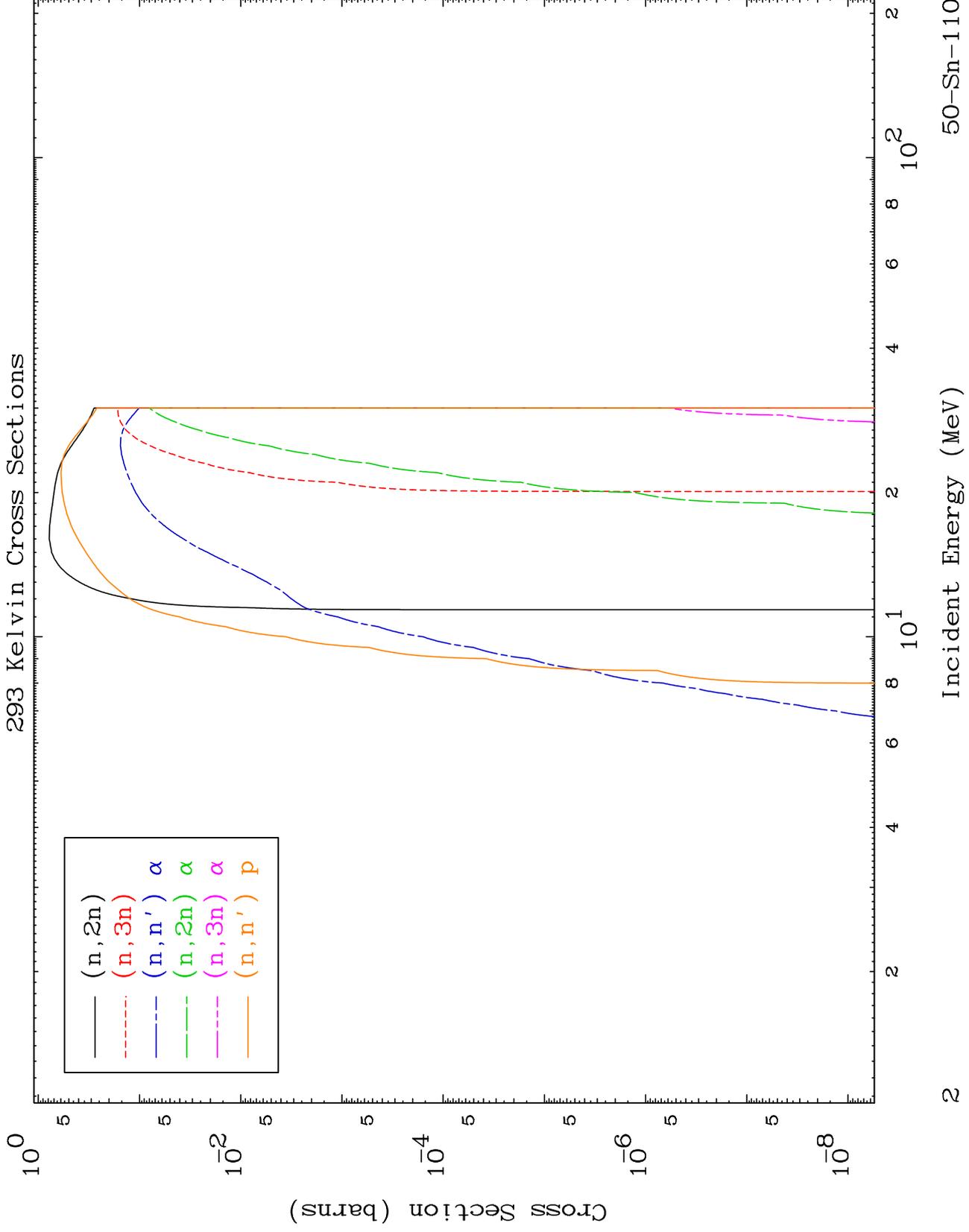
50-Sn-110



MAT 5019

Neutron Production
293 Kelvin Cross Sections

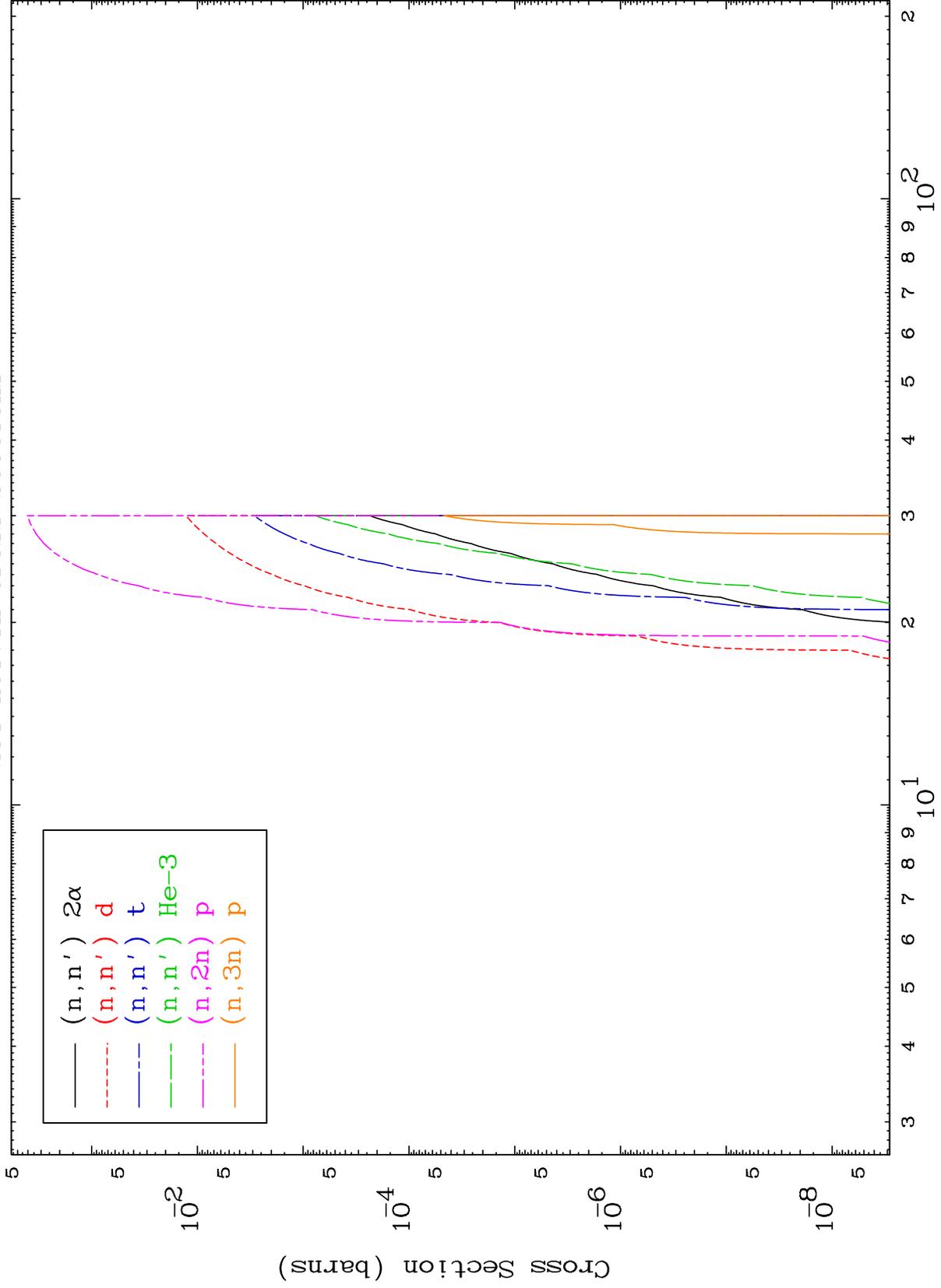
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MAT 5019

Neutron Production
293 Kelvin Cross Sections

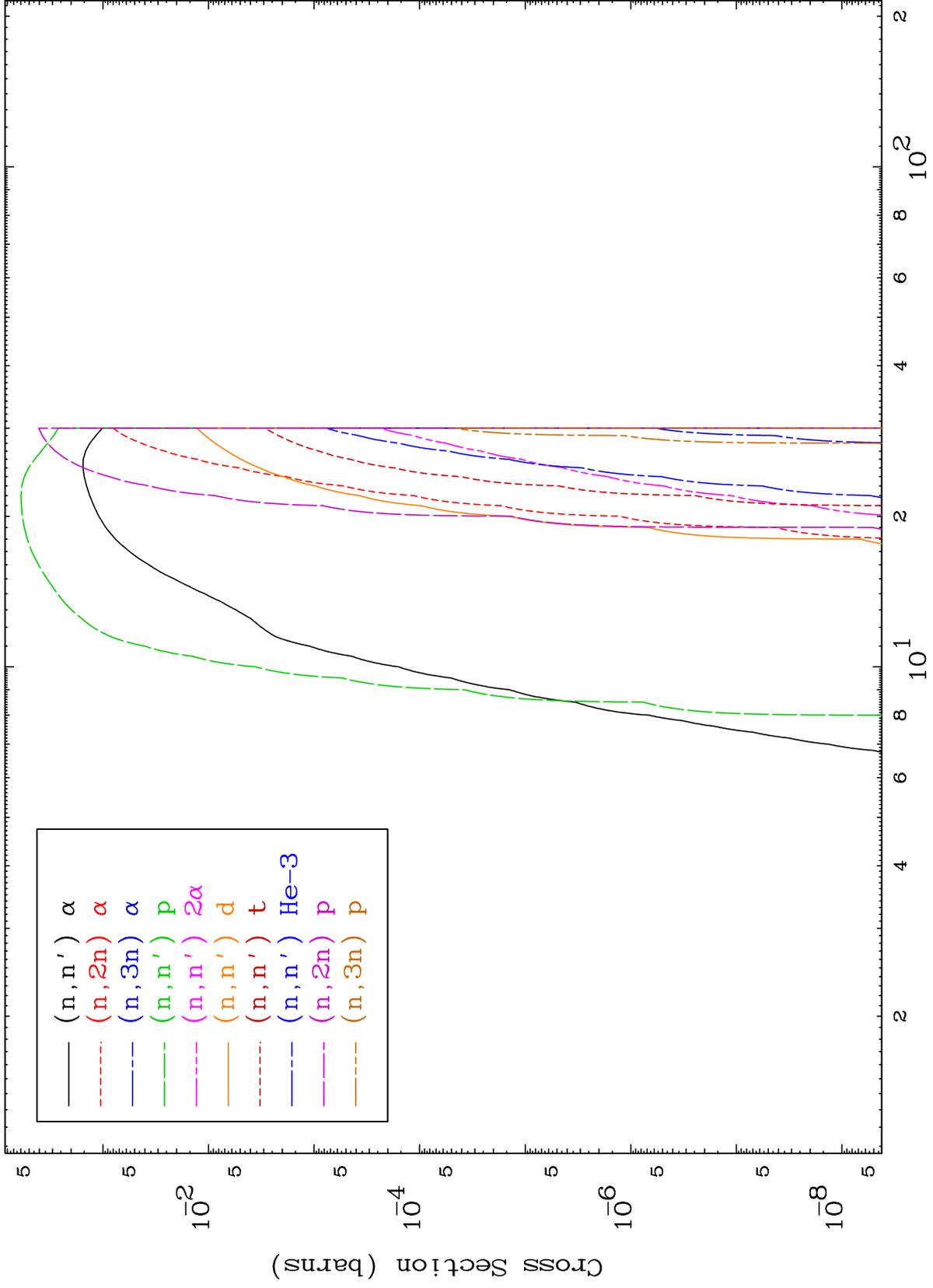
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3

Incident Energy (MeV)

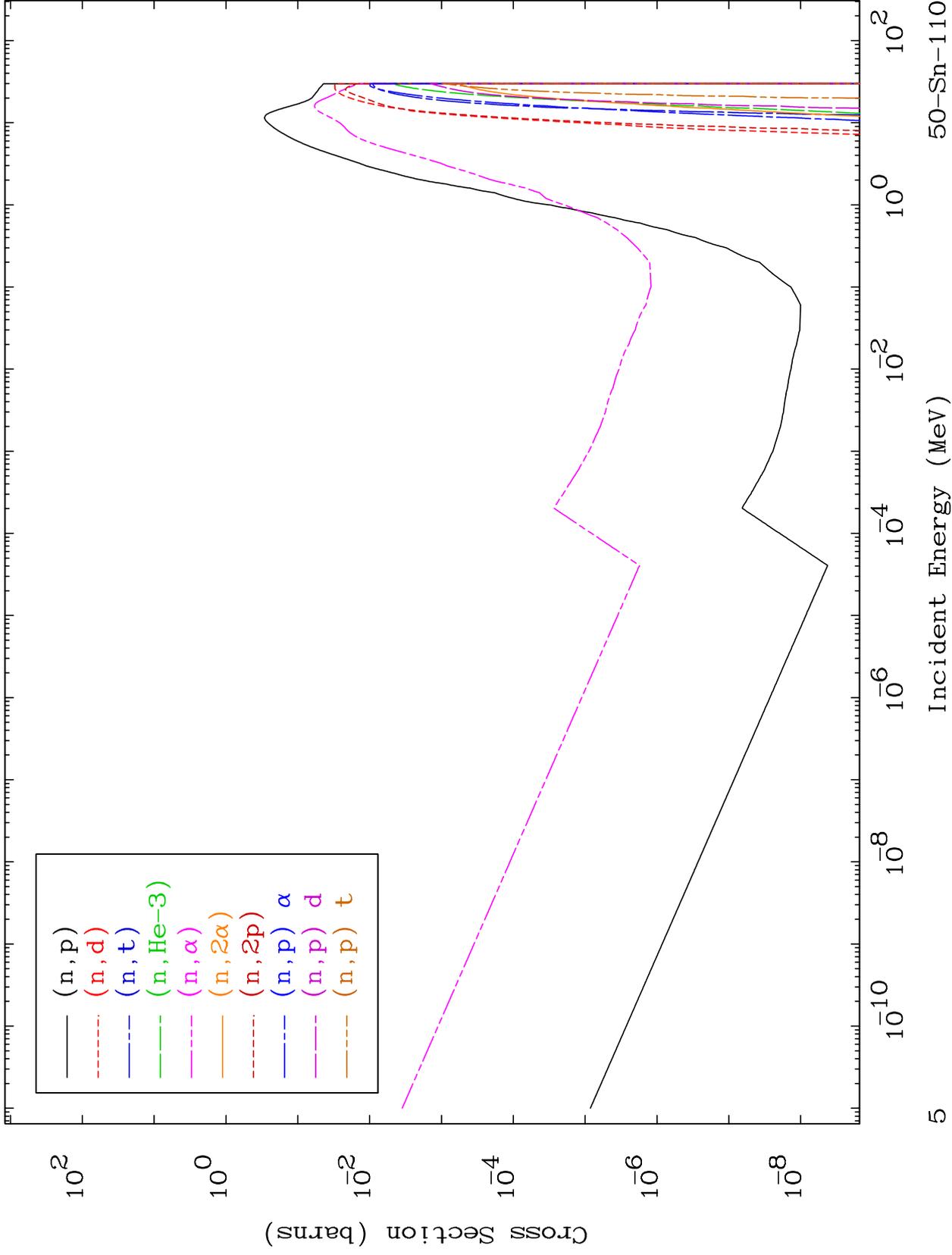
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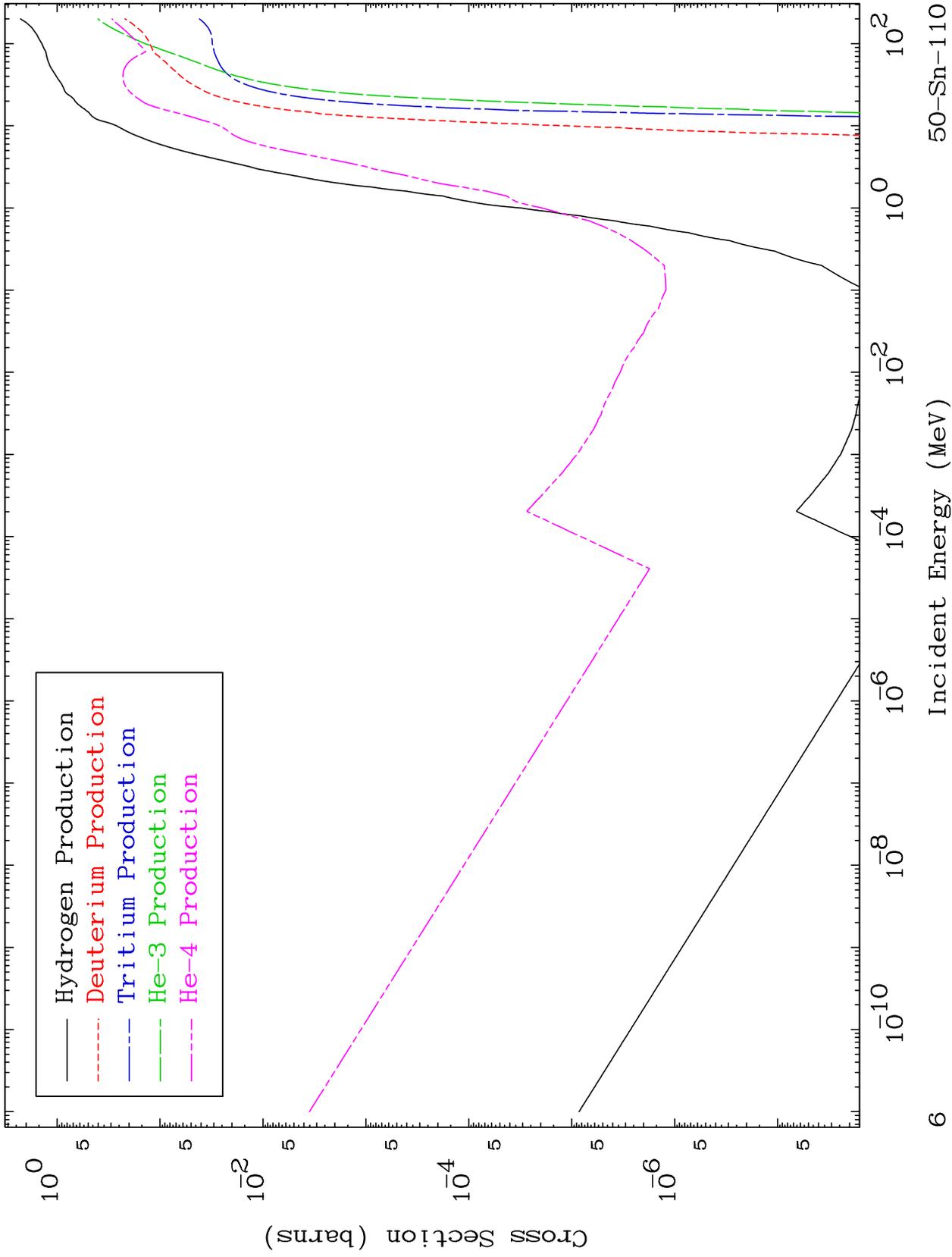


MAT 5019

Charged Particle
293 Kelvin Cross Sections

50-Sn-110



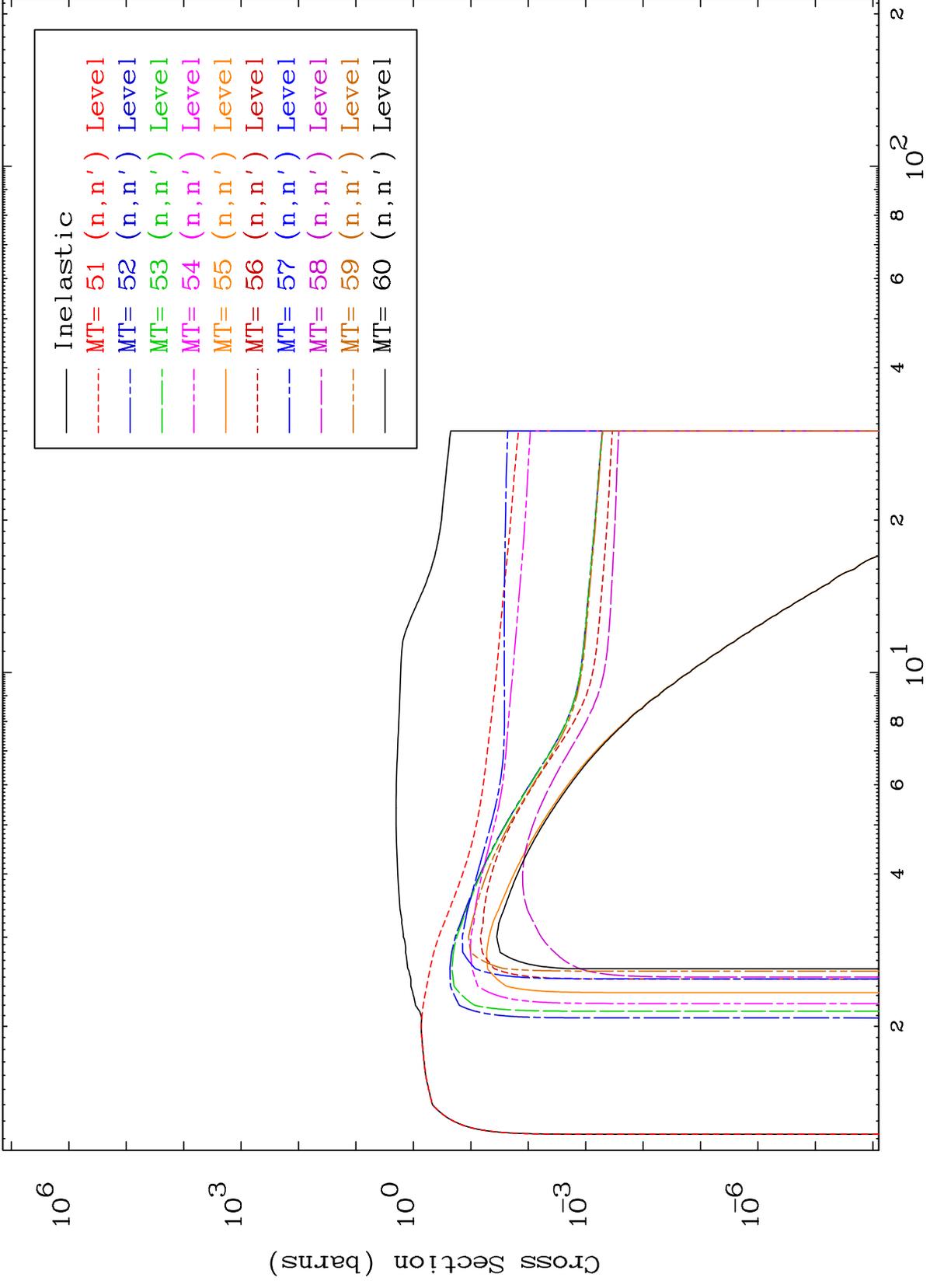


MAT 5019

(n,n') Level

50-Sn-110

293 Kelvin Cross Sections

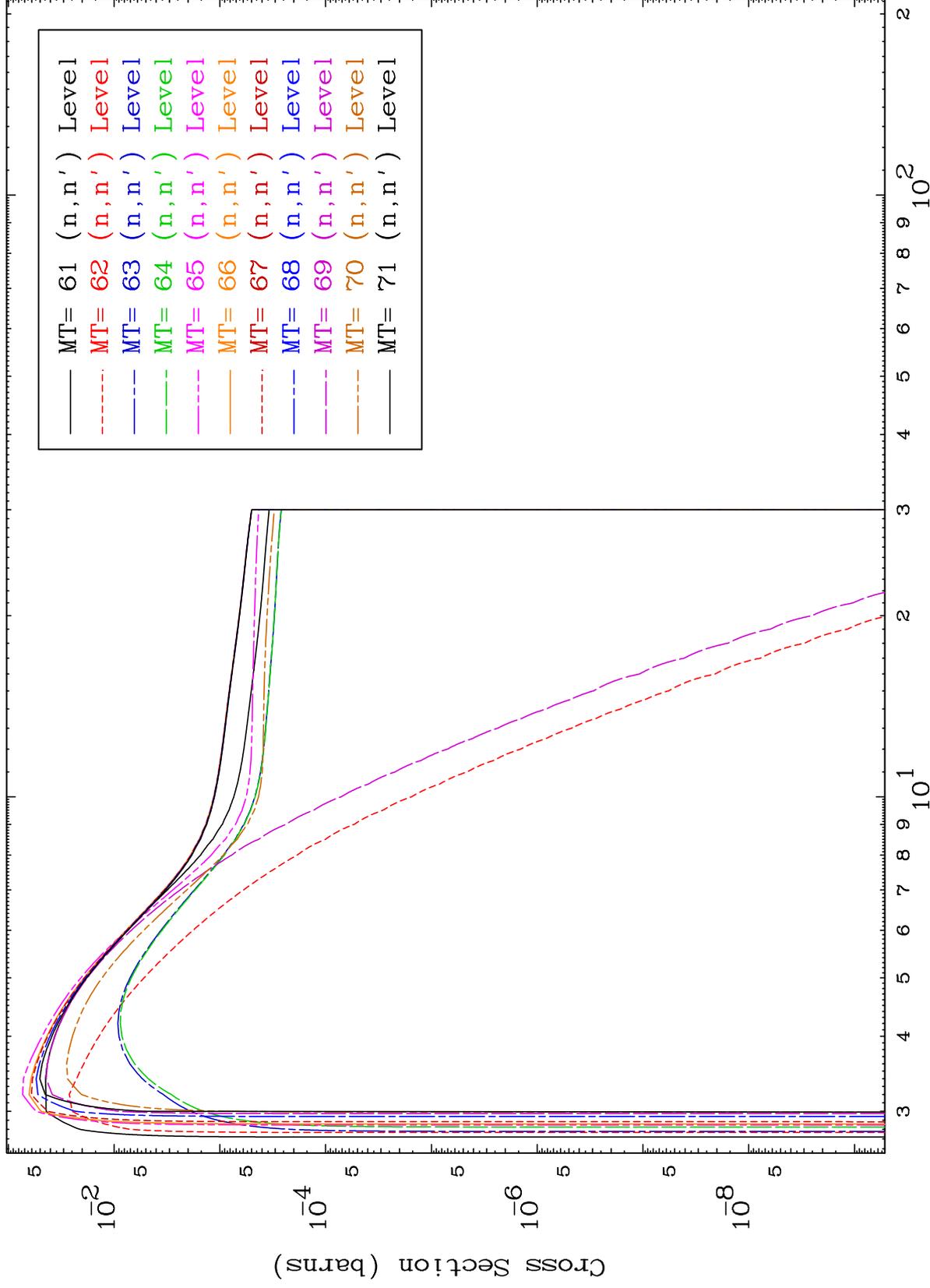


MAT 5019

(n,n') Level

50-Sn-110

293 Kelvin Cross Sections



8

Incident Energy (MeV)

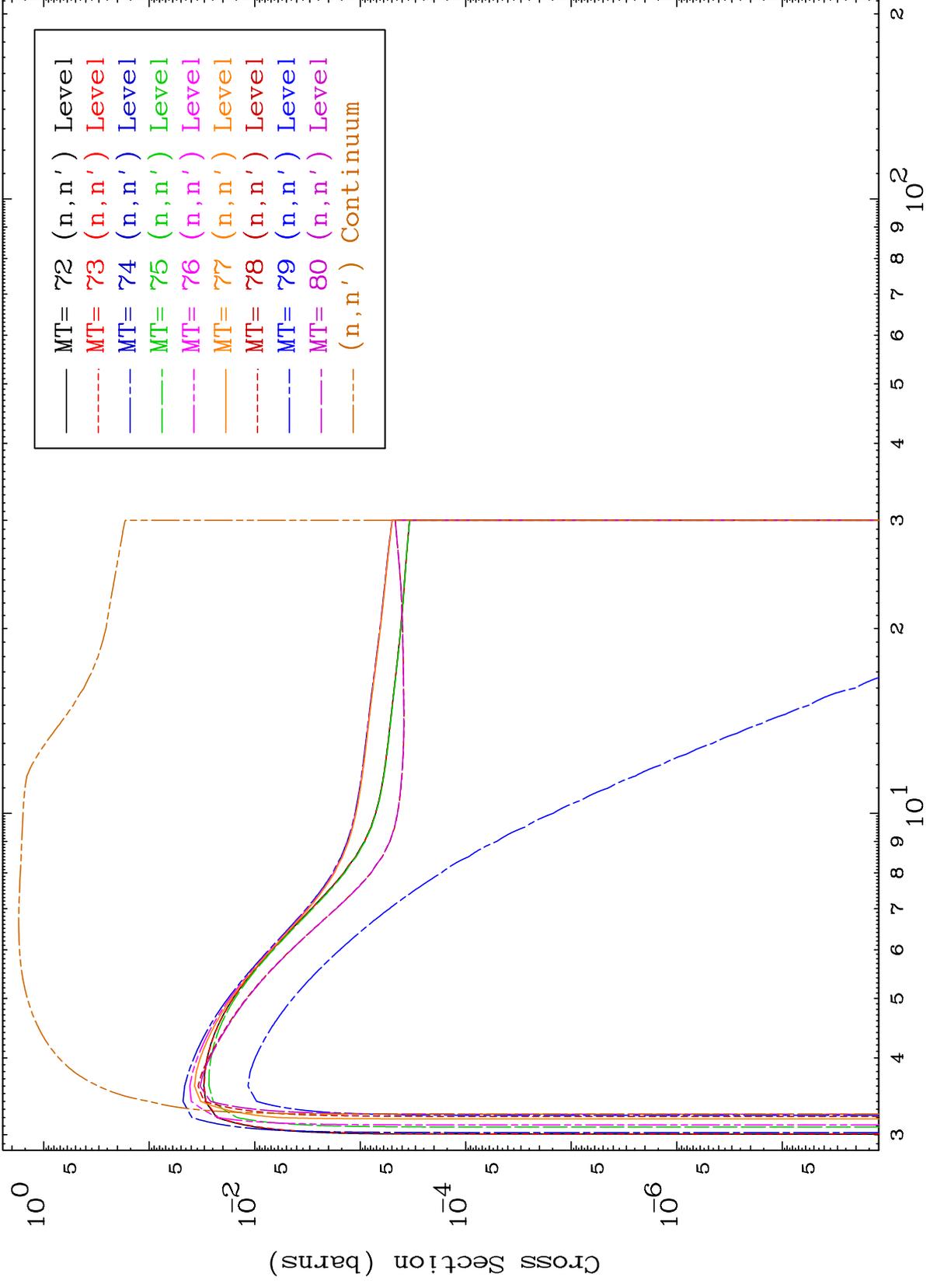
50-Sn-110

MAT 5019

(n,n') Level

50-Sn-110

293 Kelvin Cross Sections



9

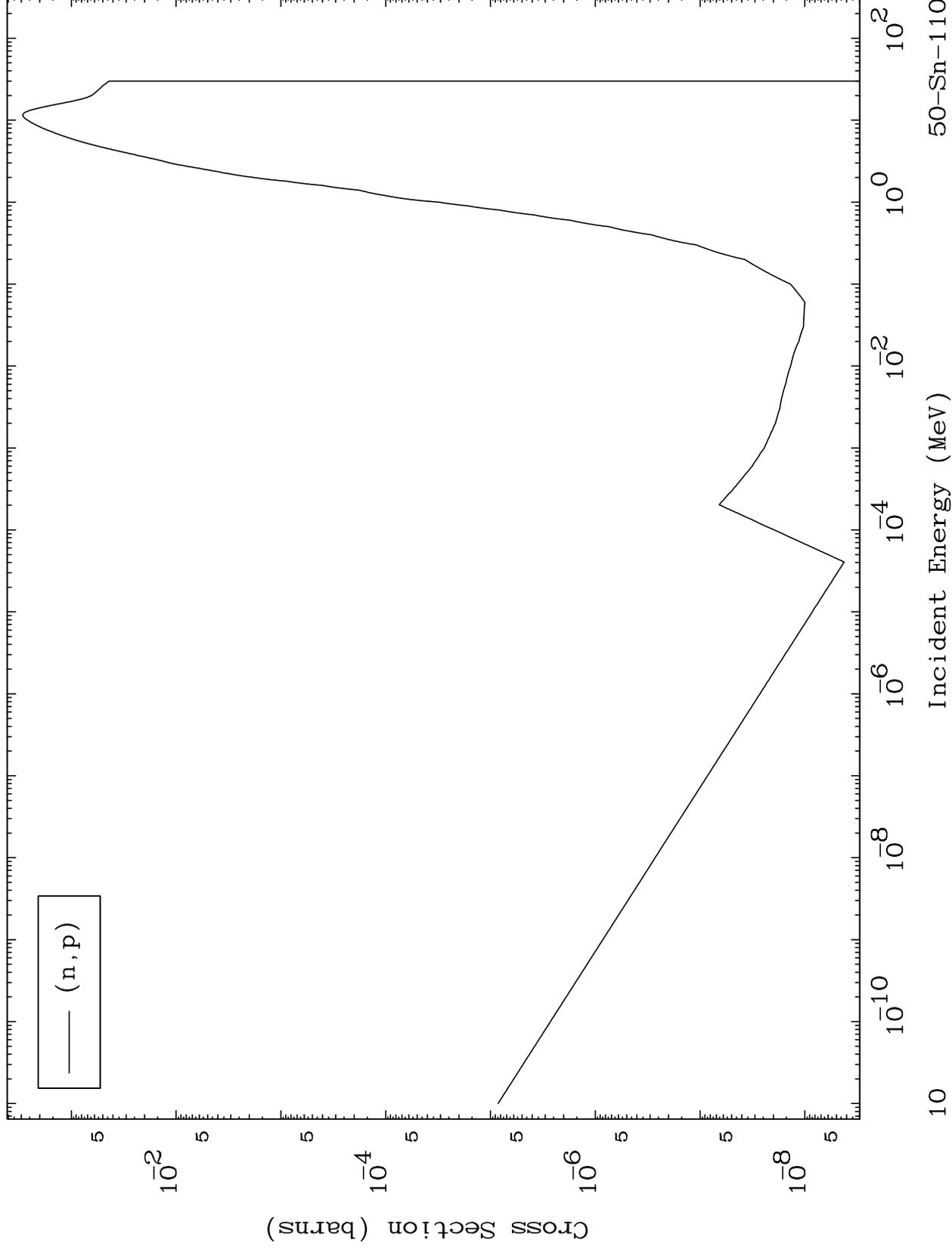
Incident Energy (MeV)

50-Sn-110

MAT 5019

(n,p) Levels
293 Kelvin Cross Sections

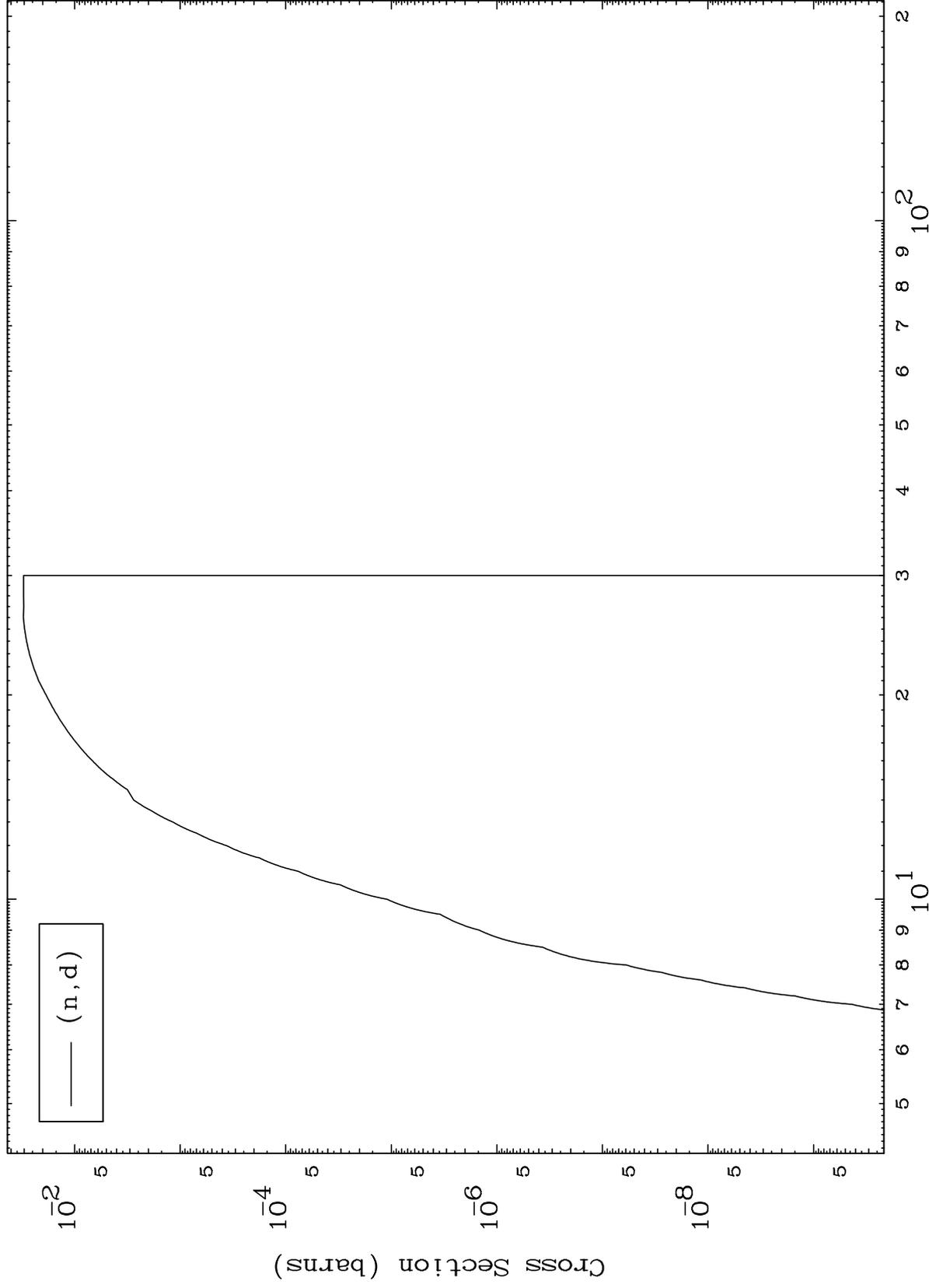
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MAT 5019

(n,d) Levels
293 Kelvin Cross Sections

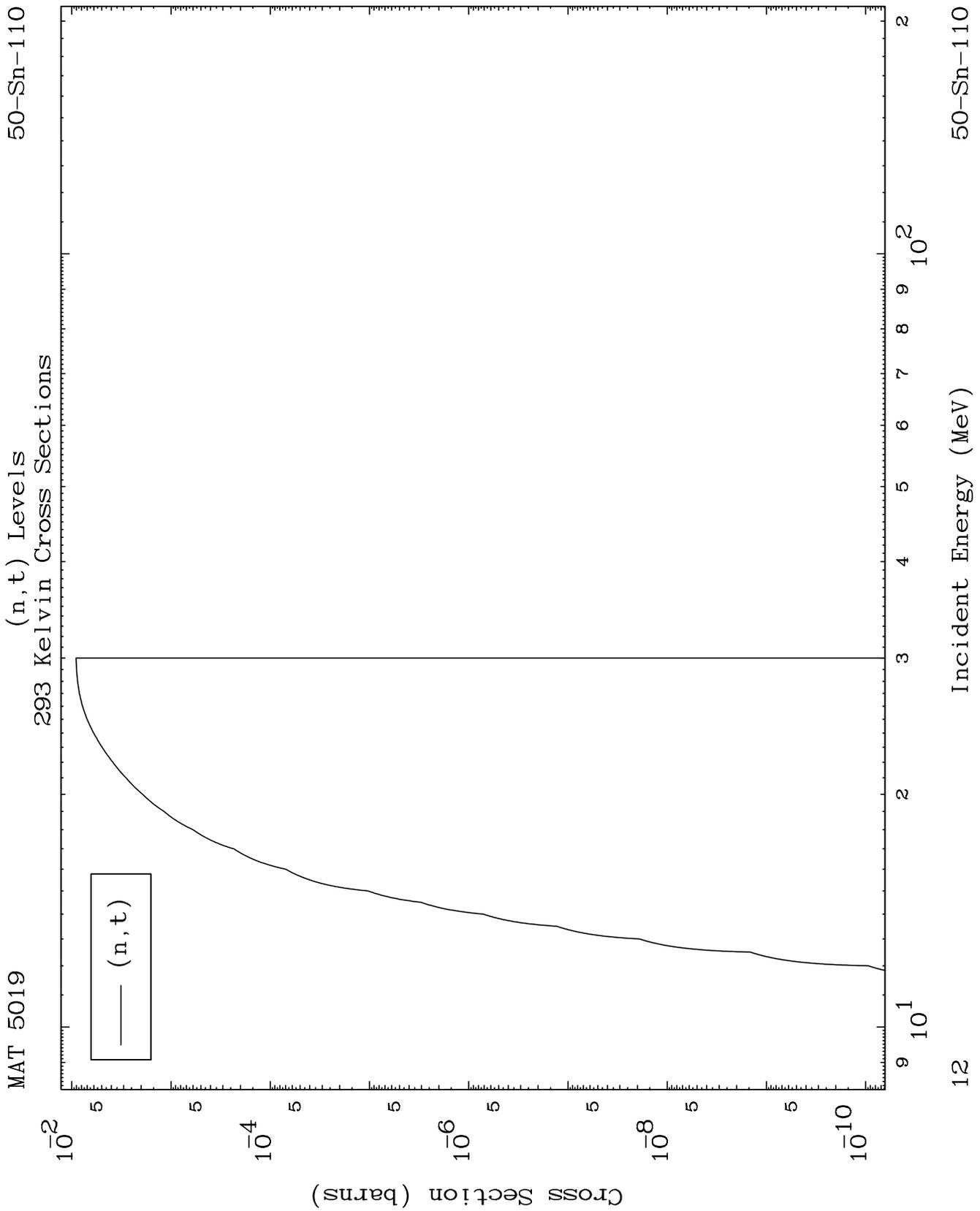
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11

Incident Energy (MeV)

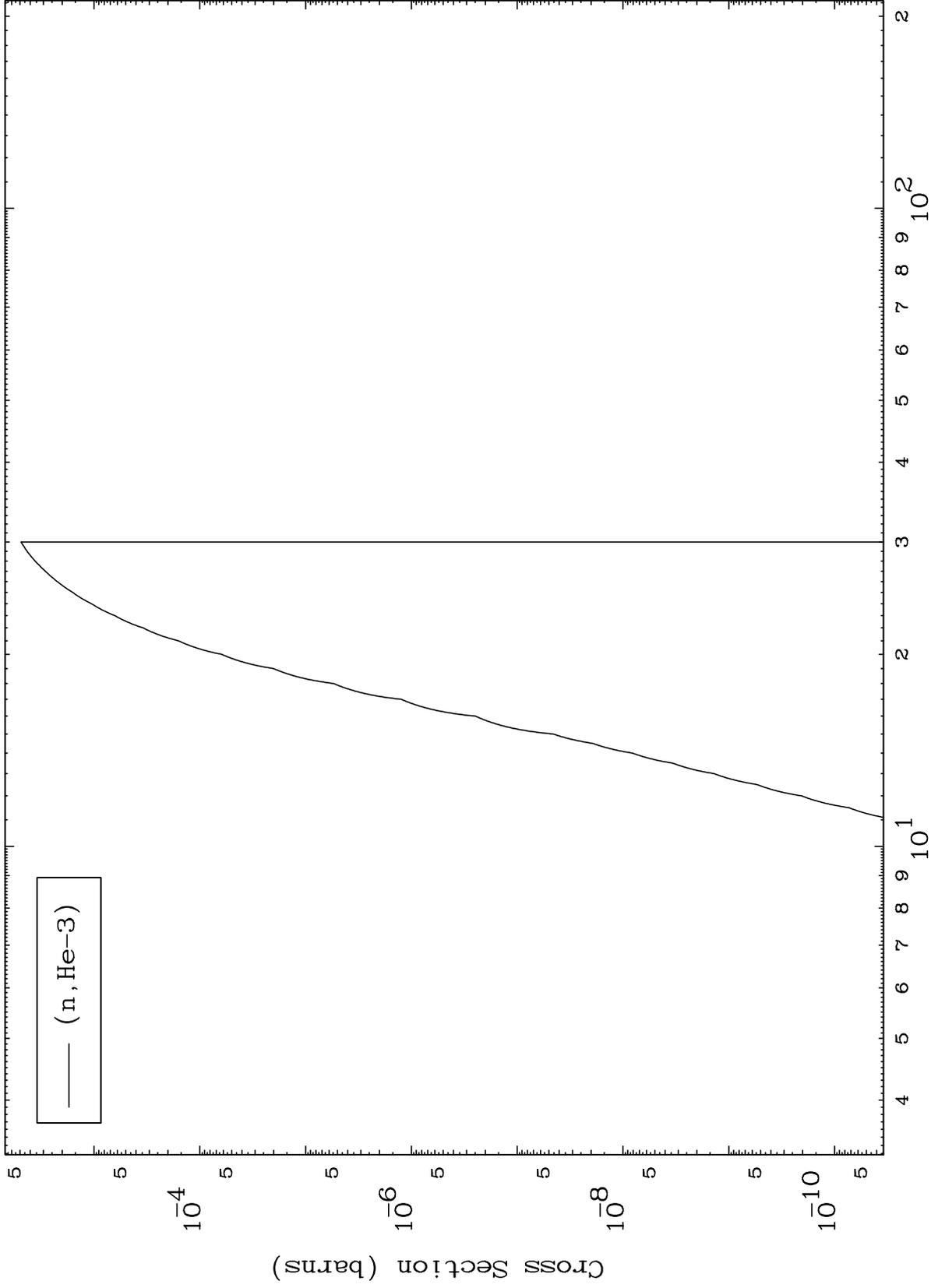
50-Sn-110



MAT 5019

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-110



13

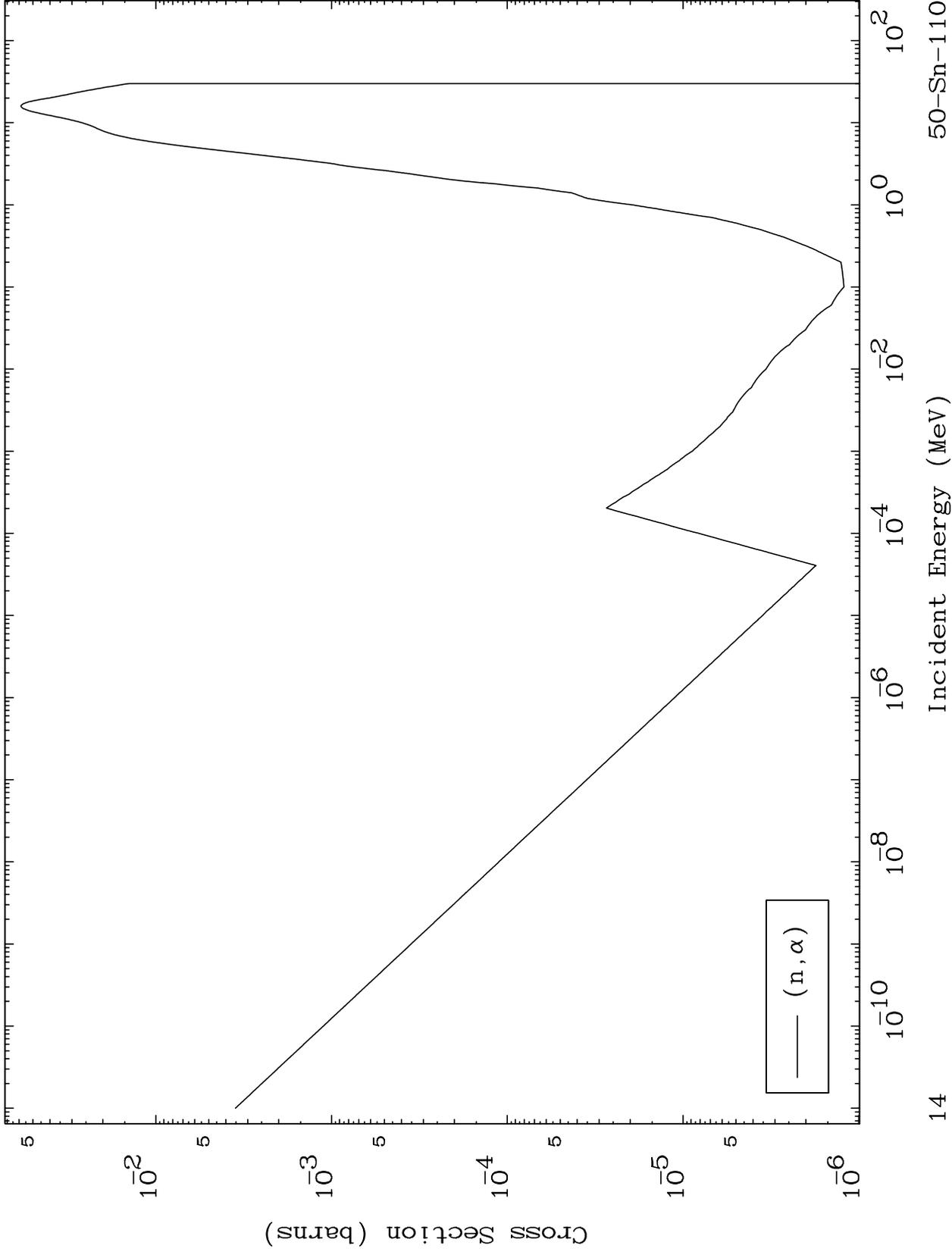
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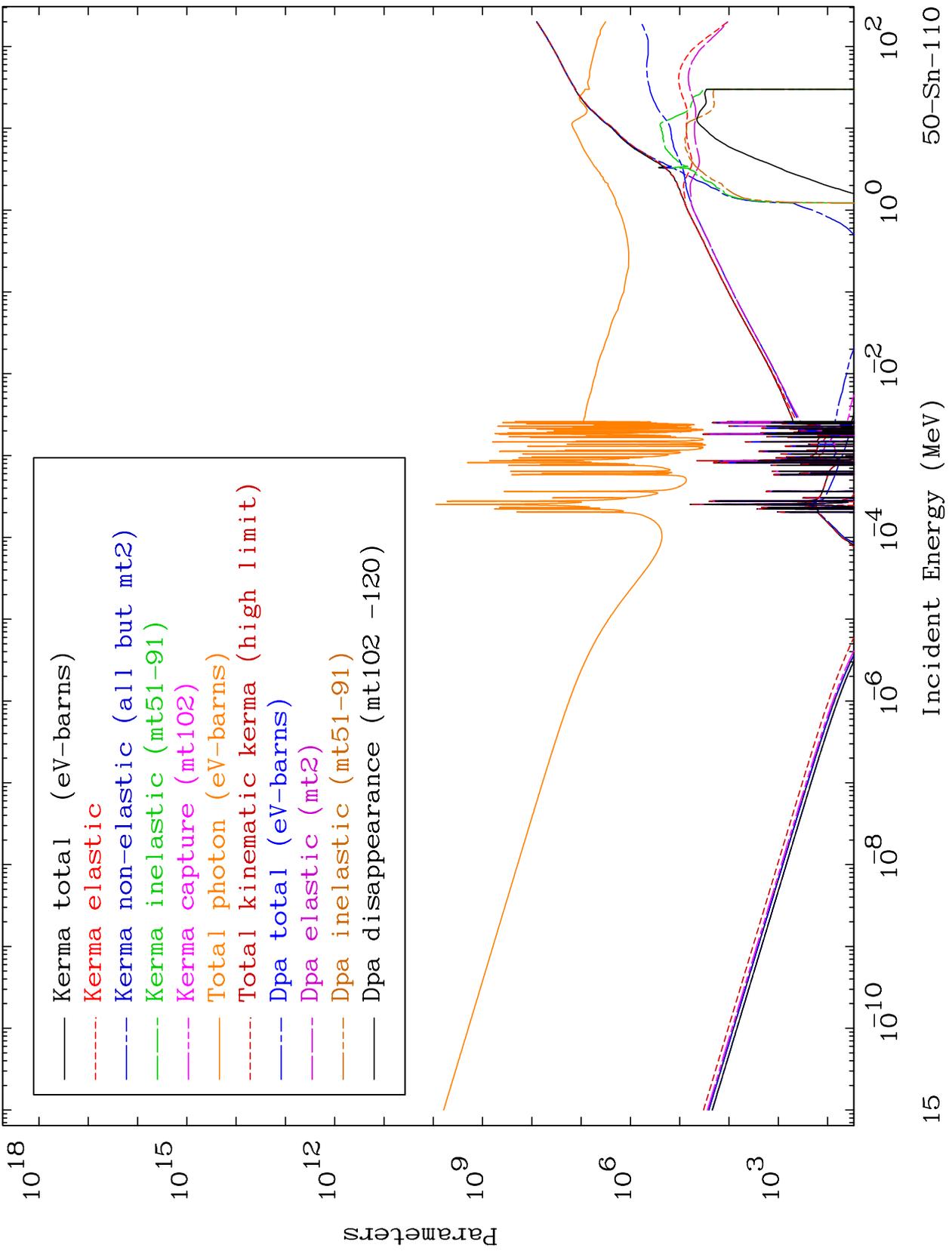
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MAT 5019

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-110

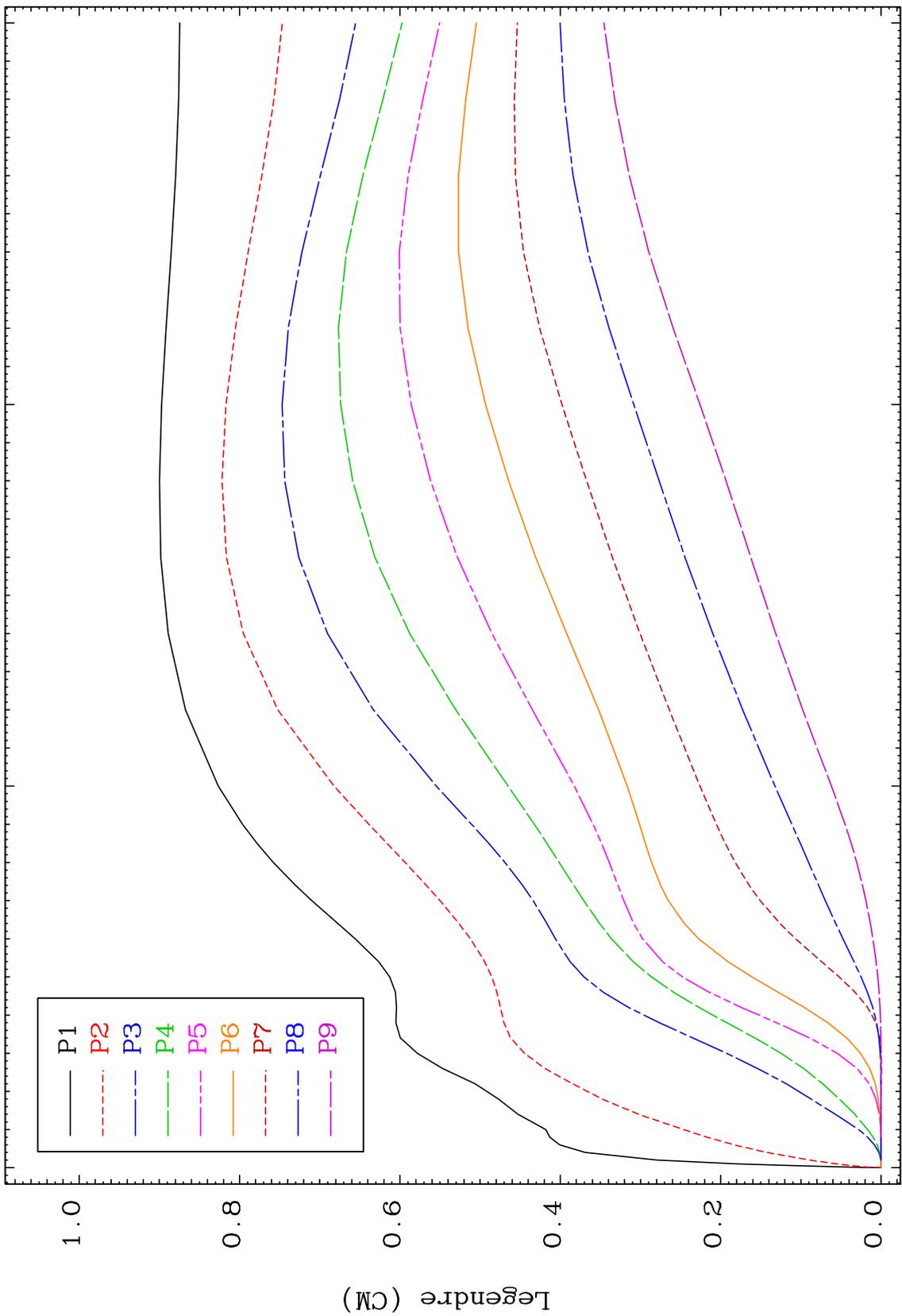




MAT 5019

Elastic Legendre Coefficients

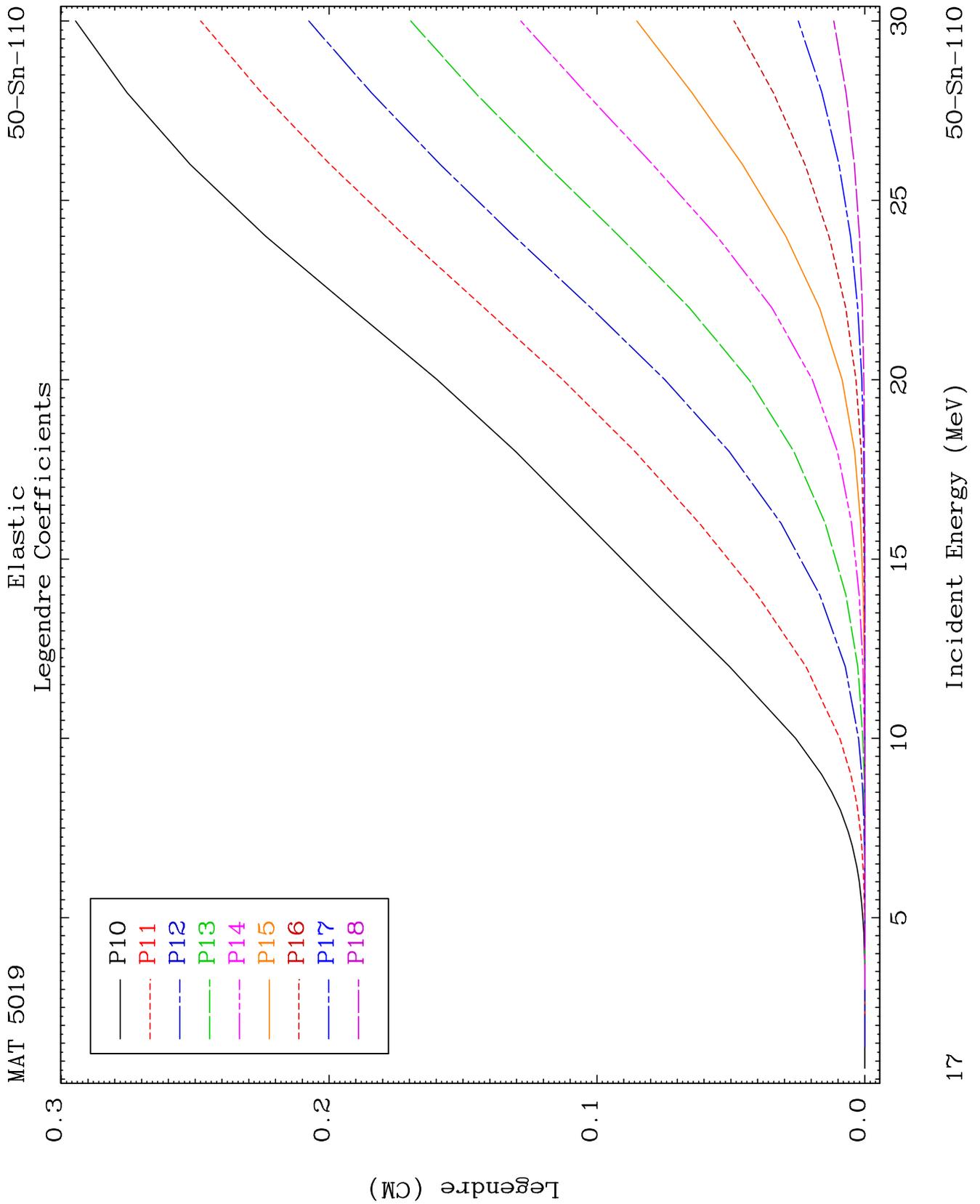
50-Sn-110



16

Incident Energy (MeV)

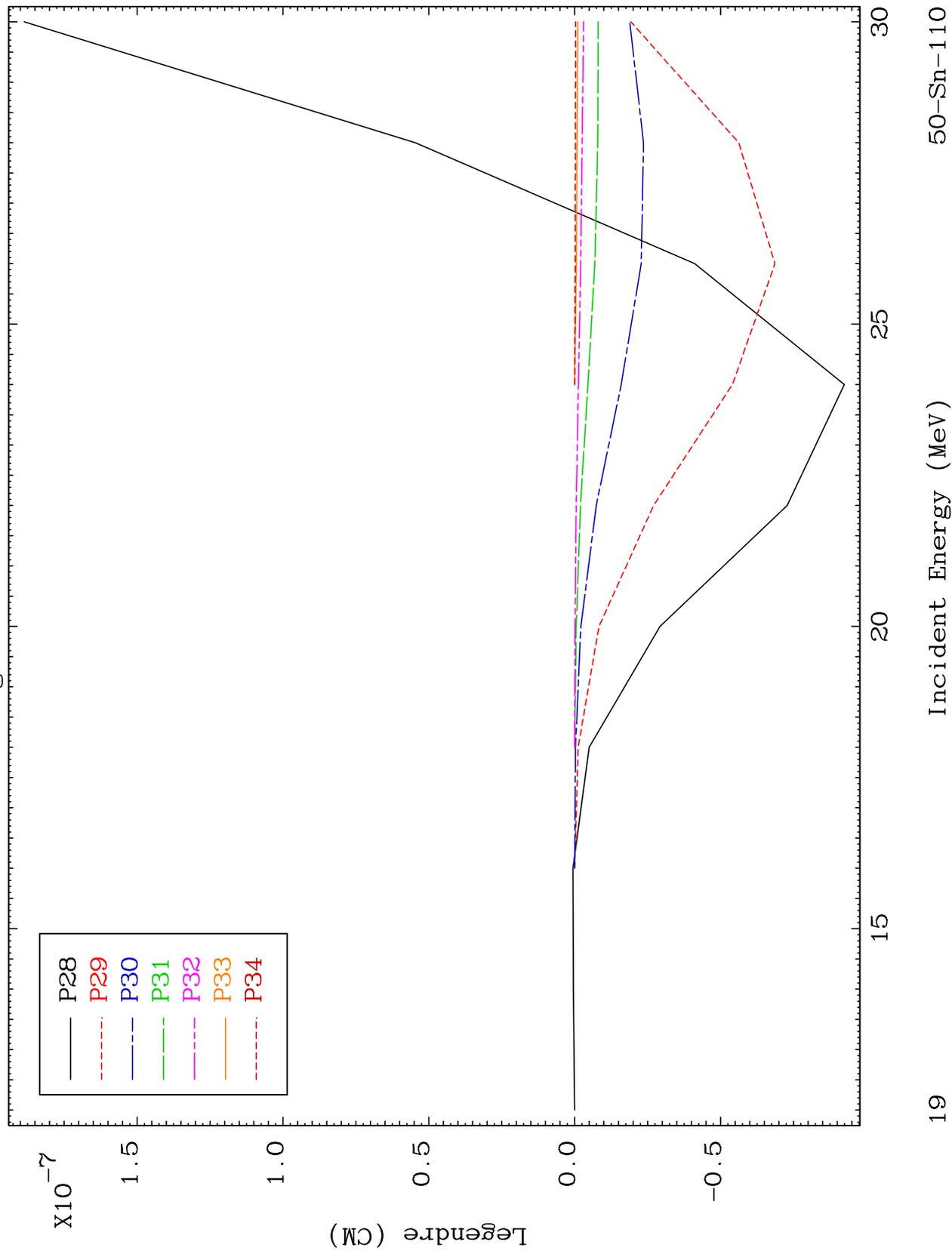
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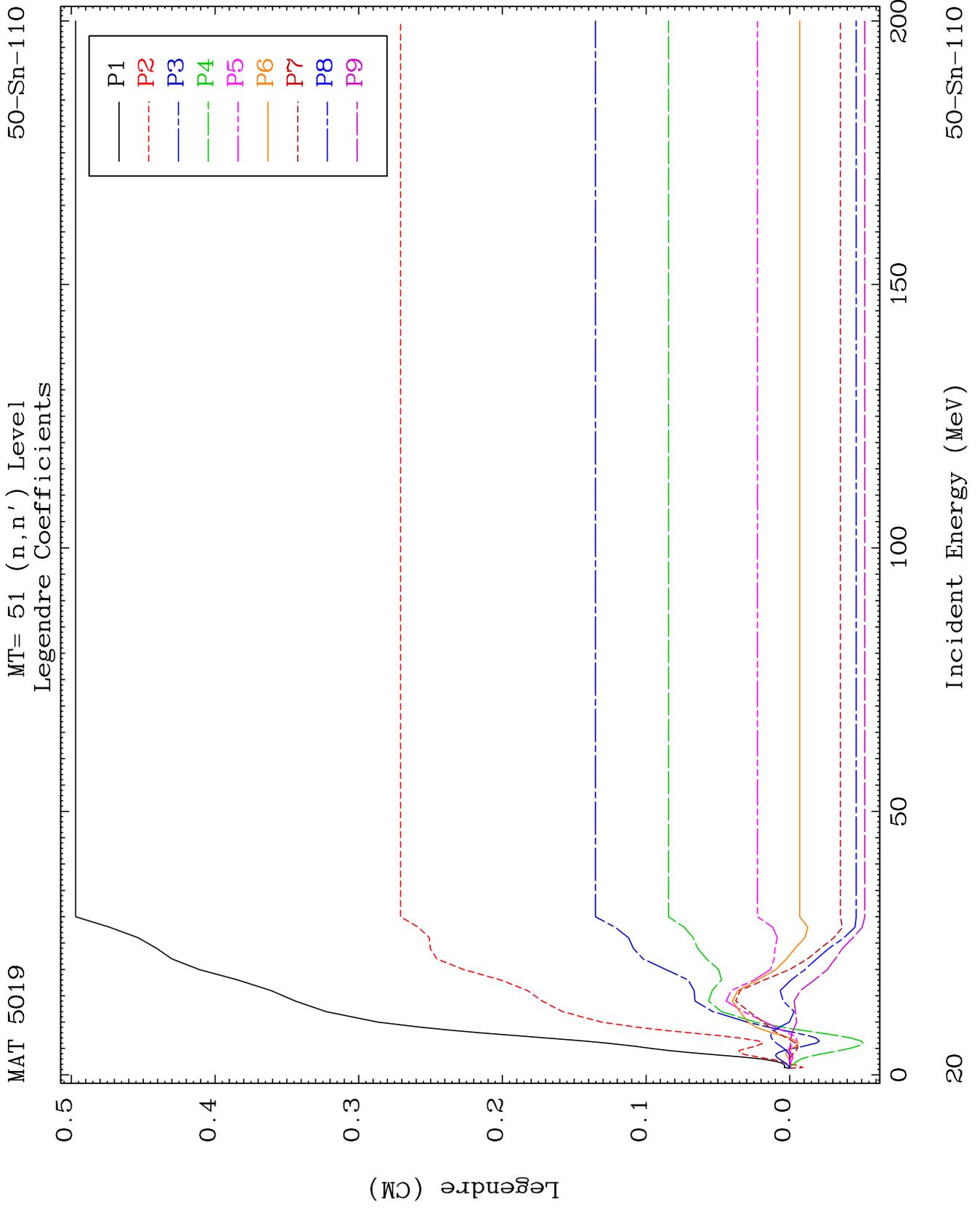
MAT 5019

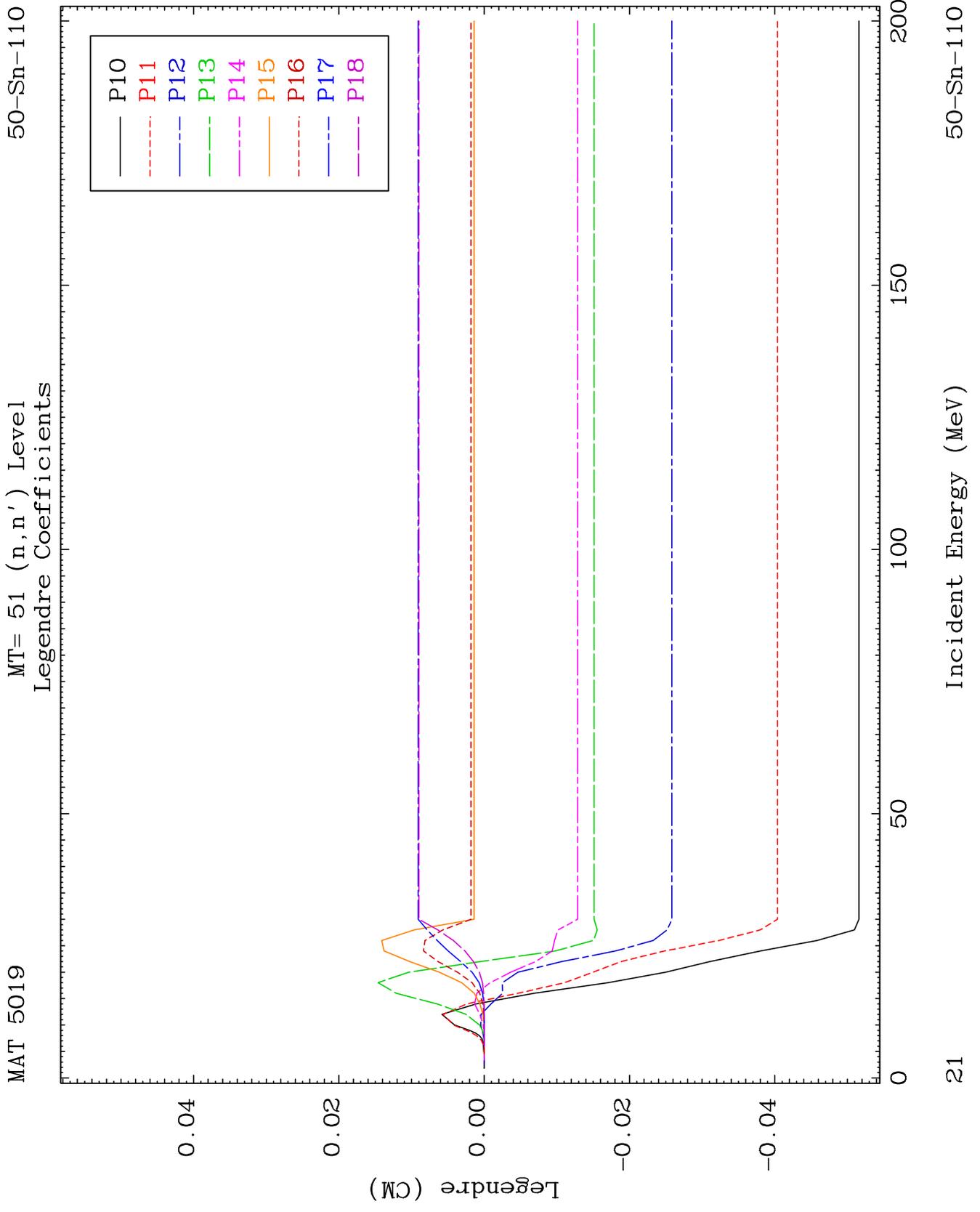
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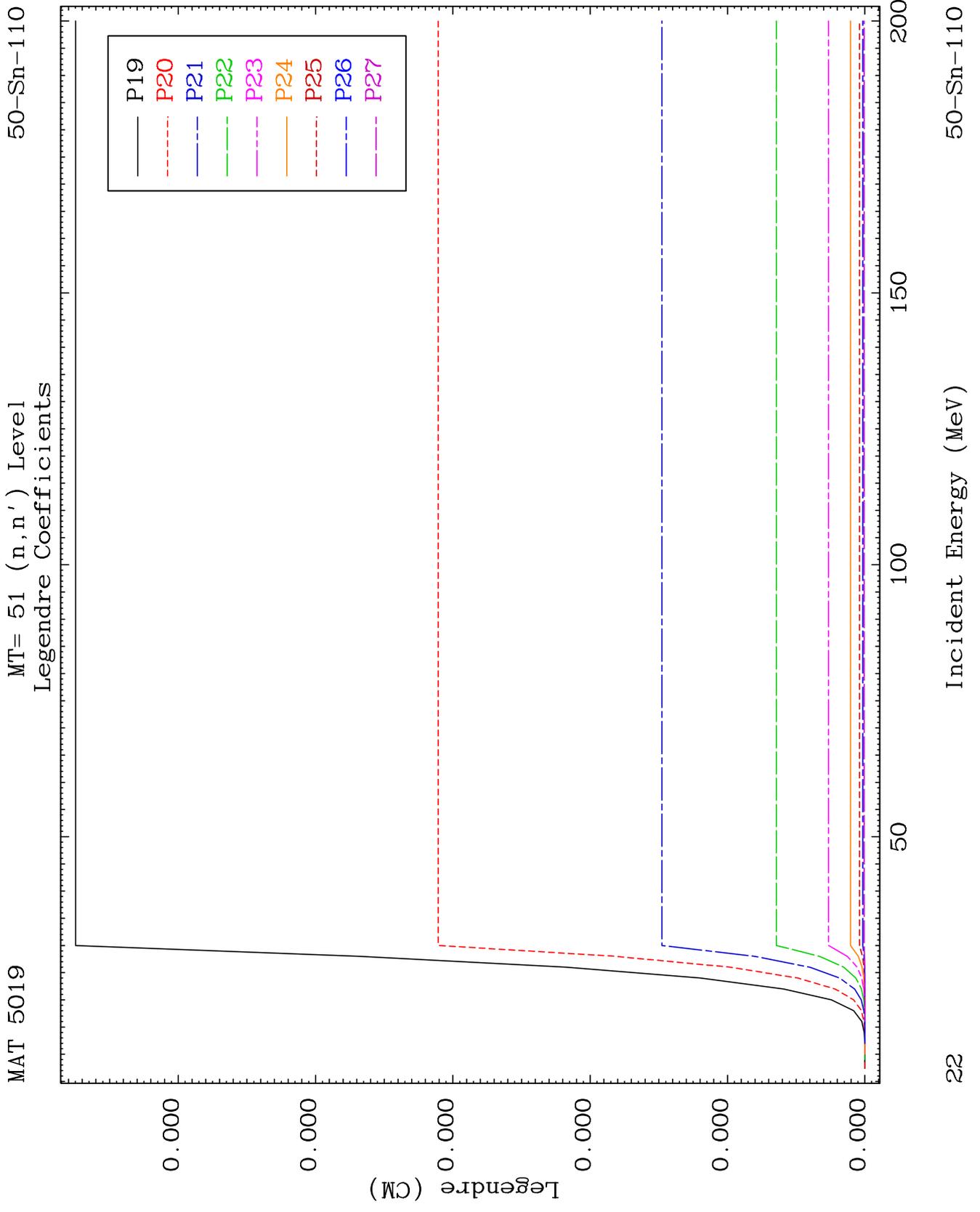
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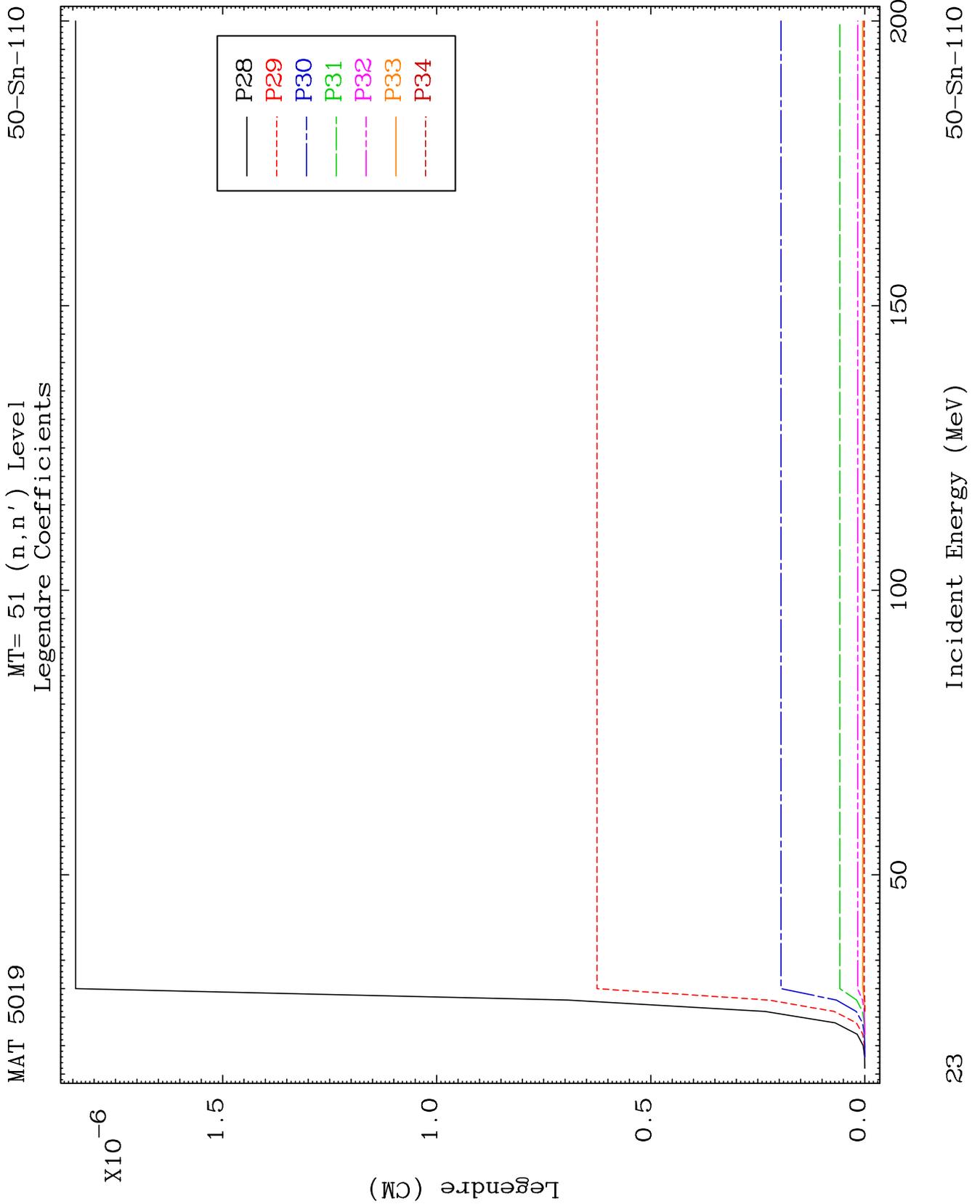


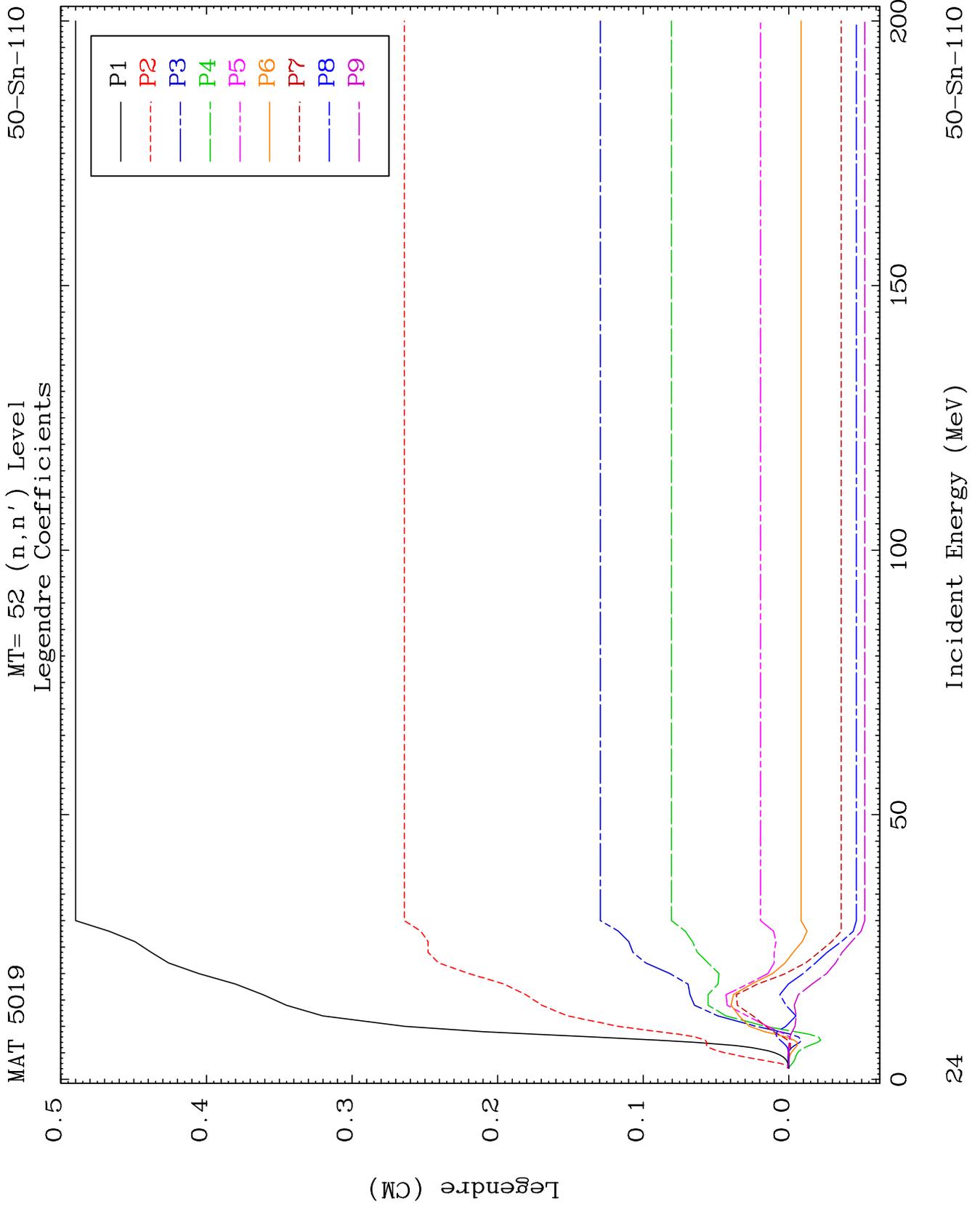
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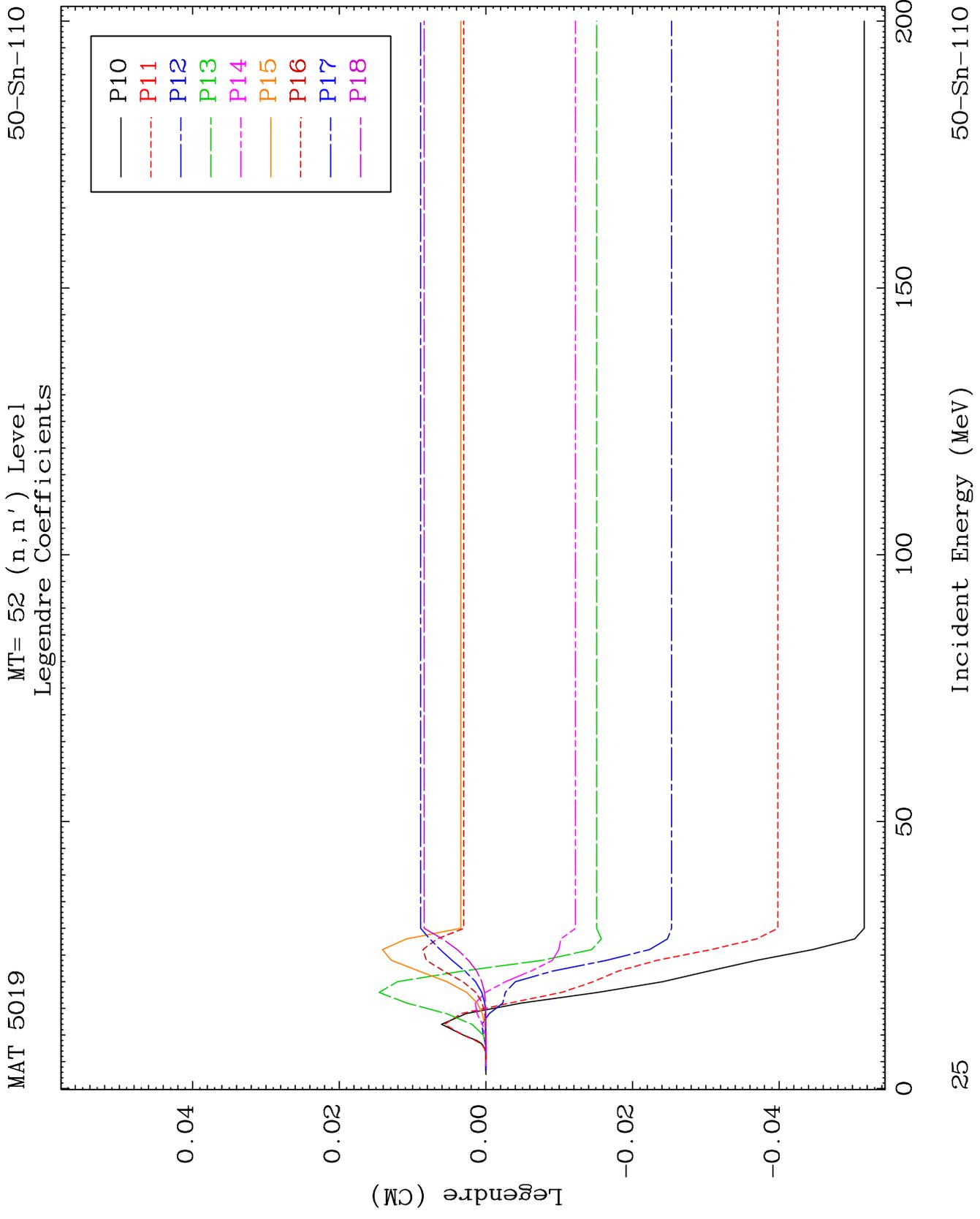


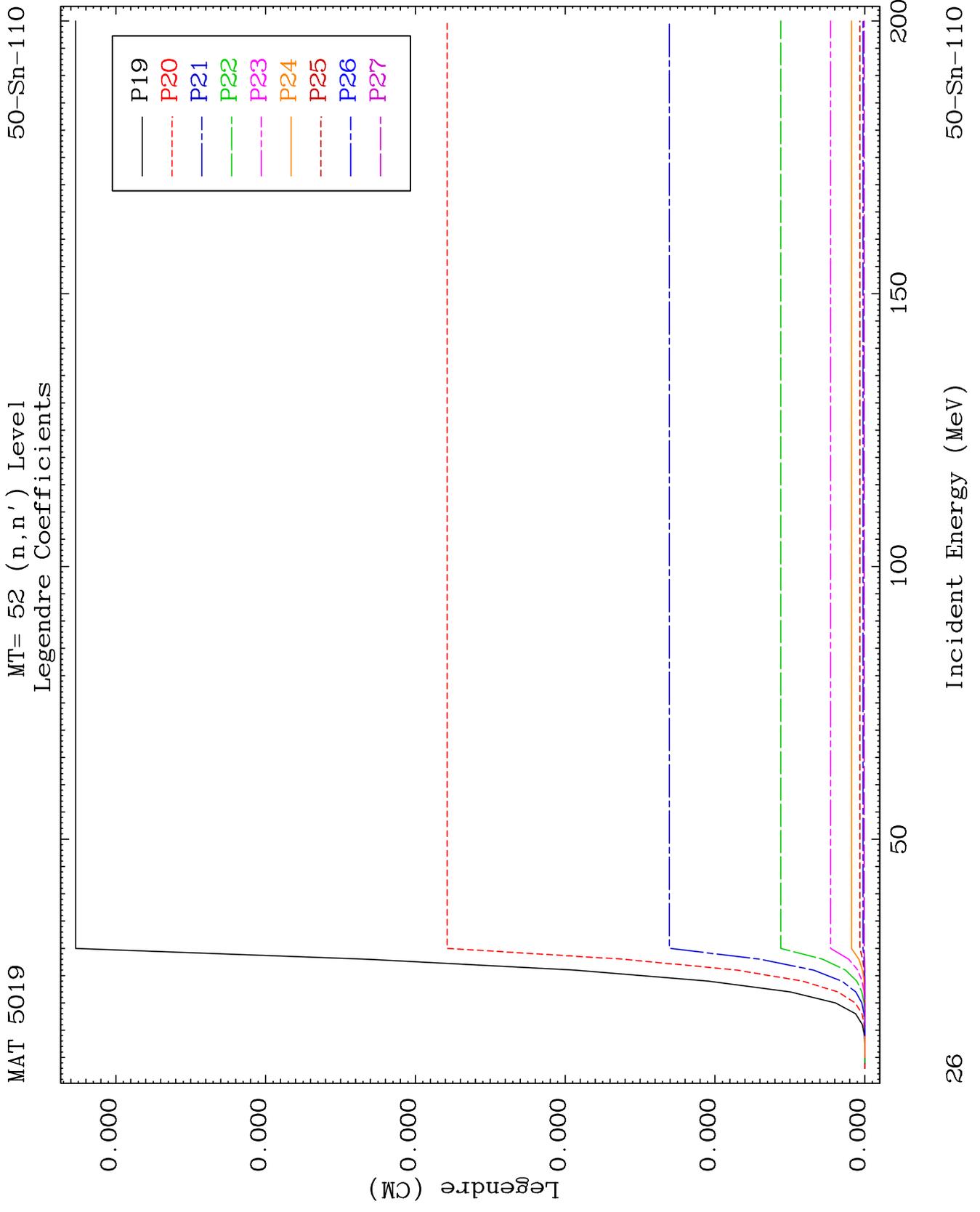


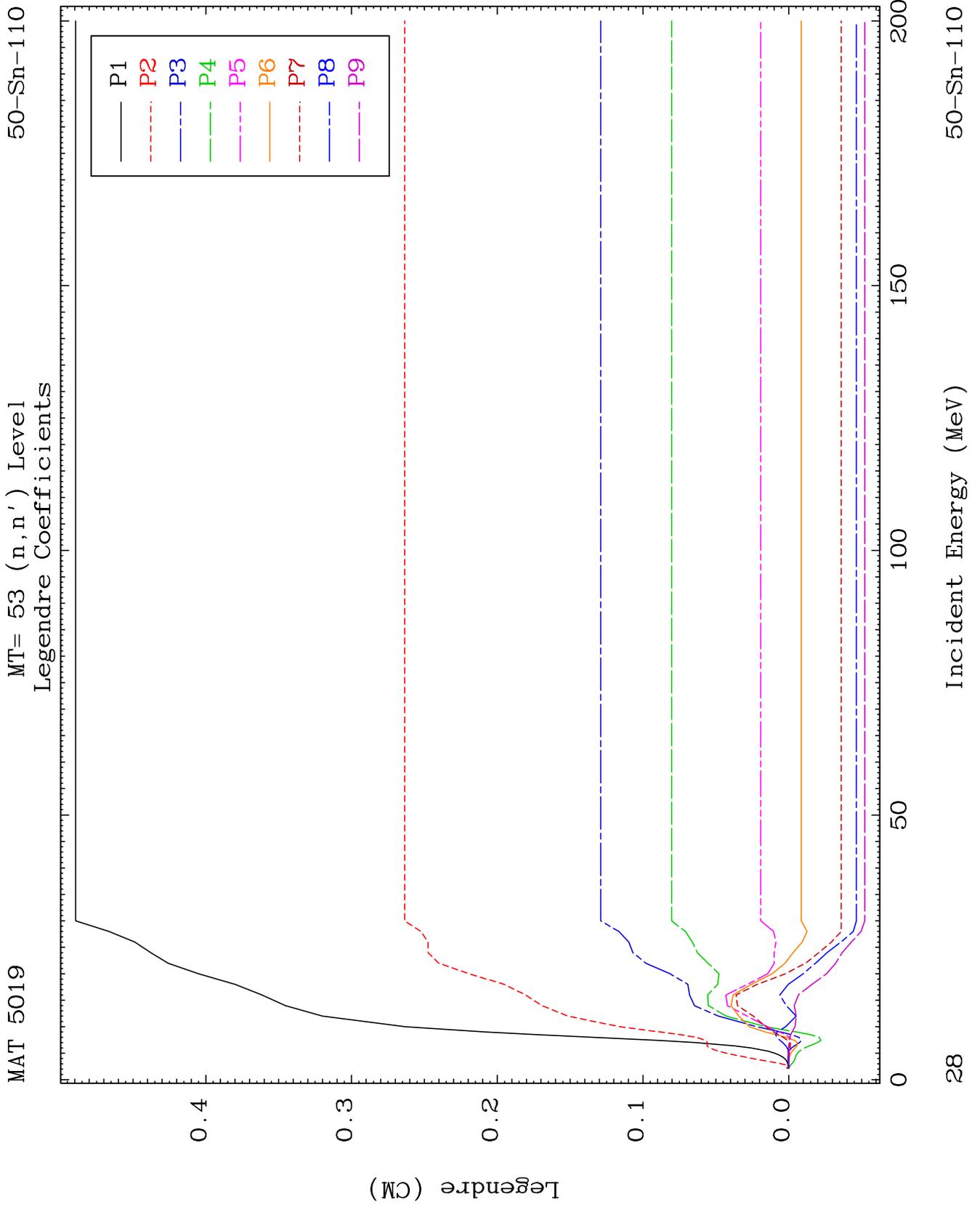








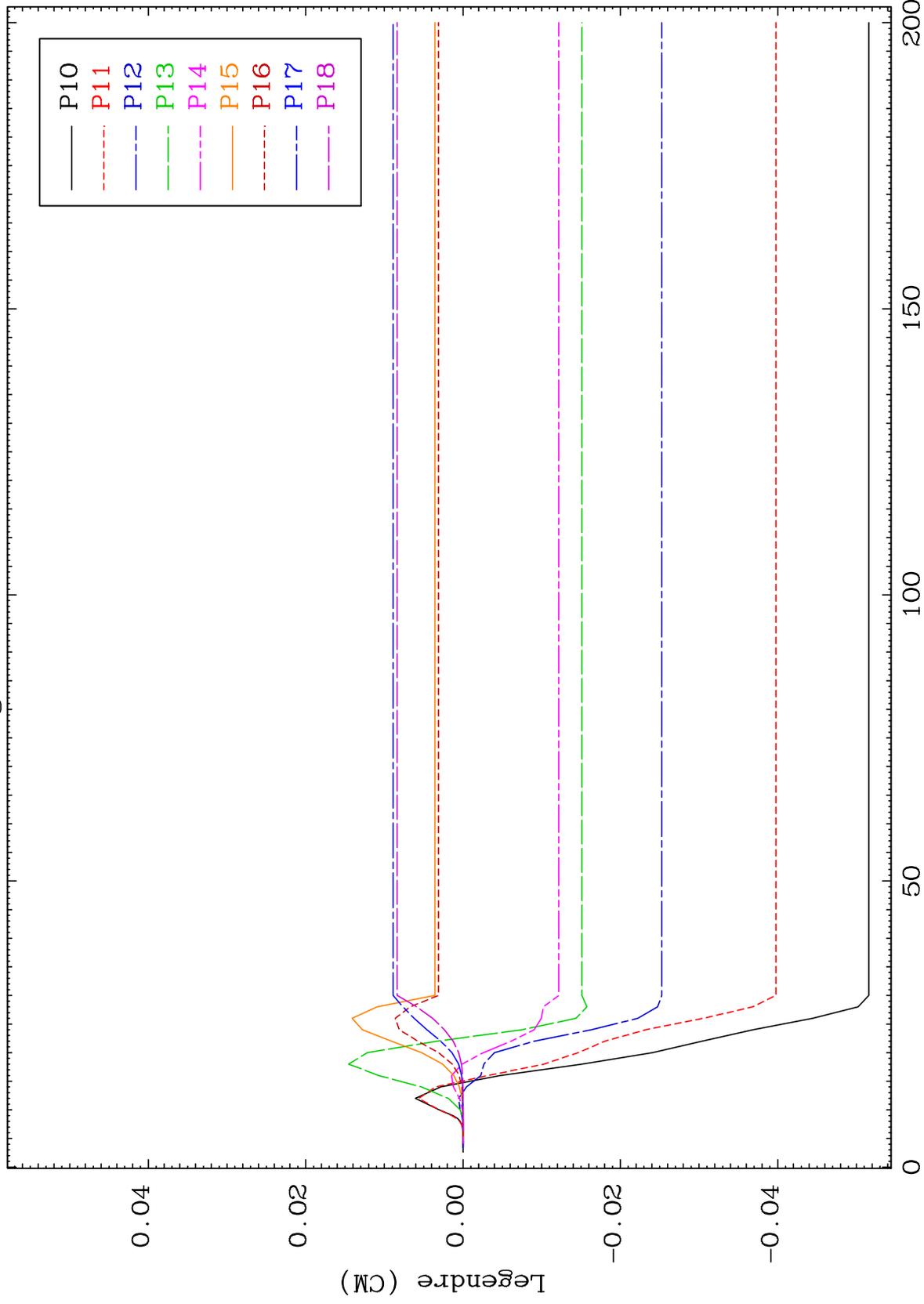




MAT 5019

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

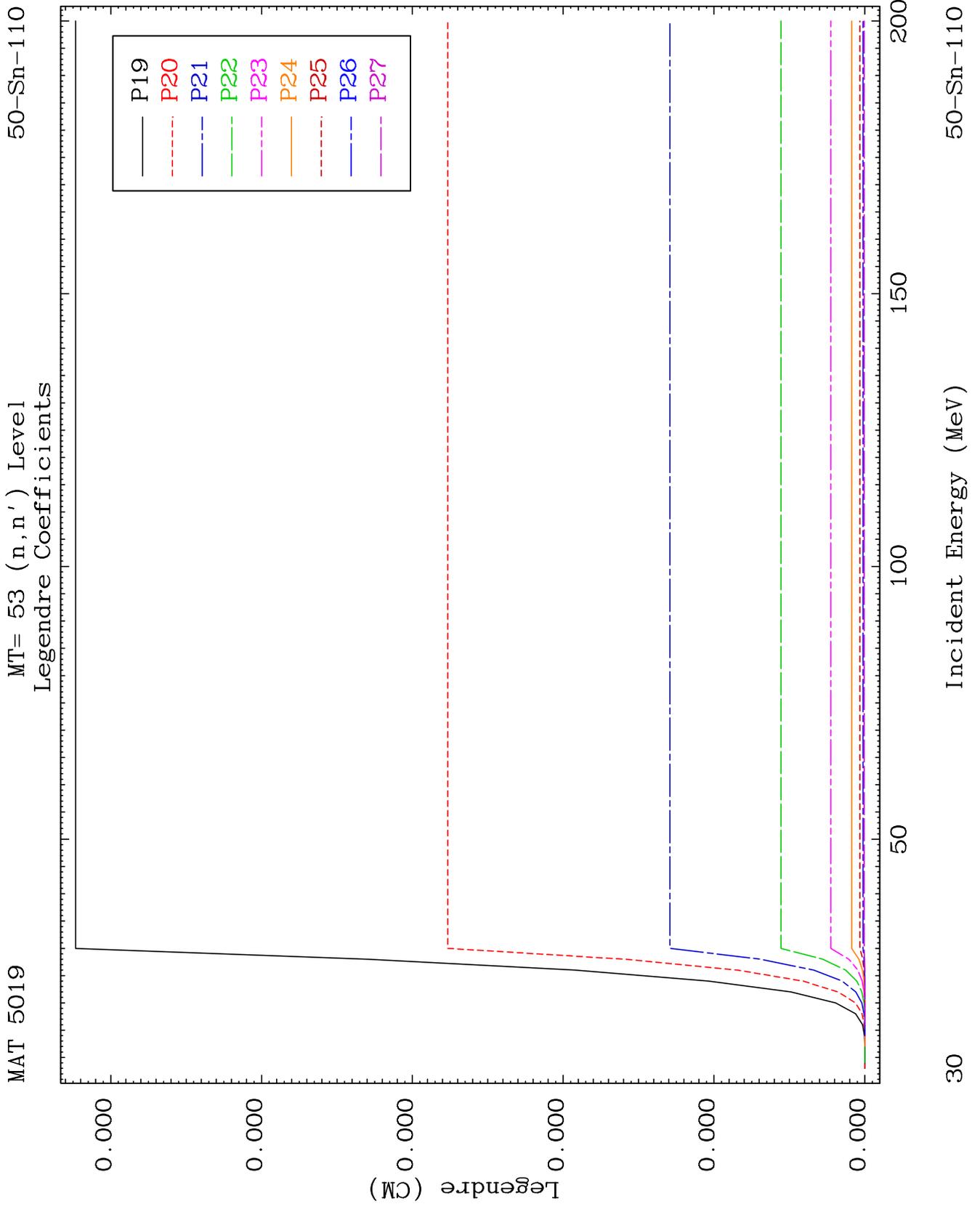
50-Sn-110

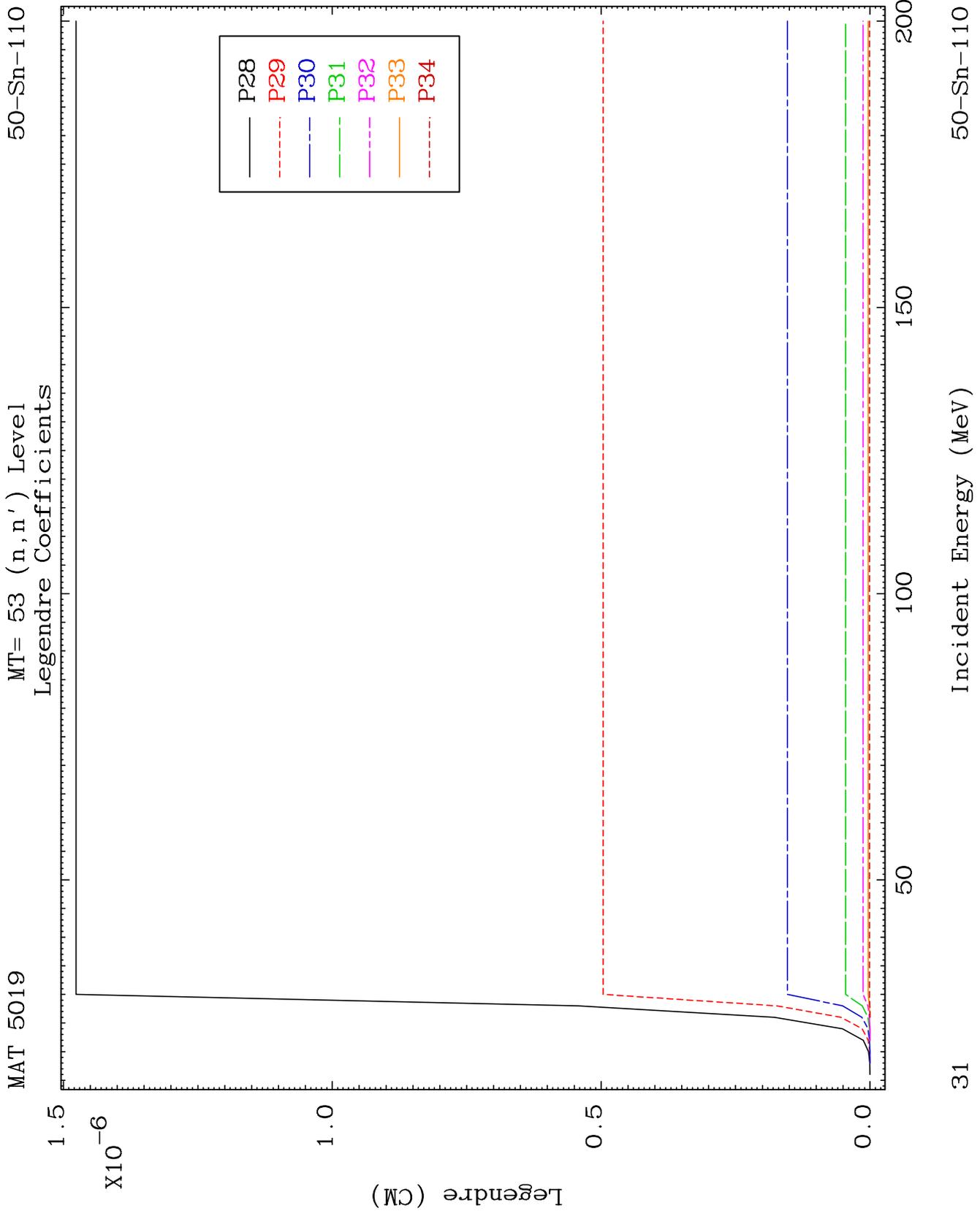


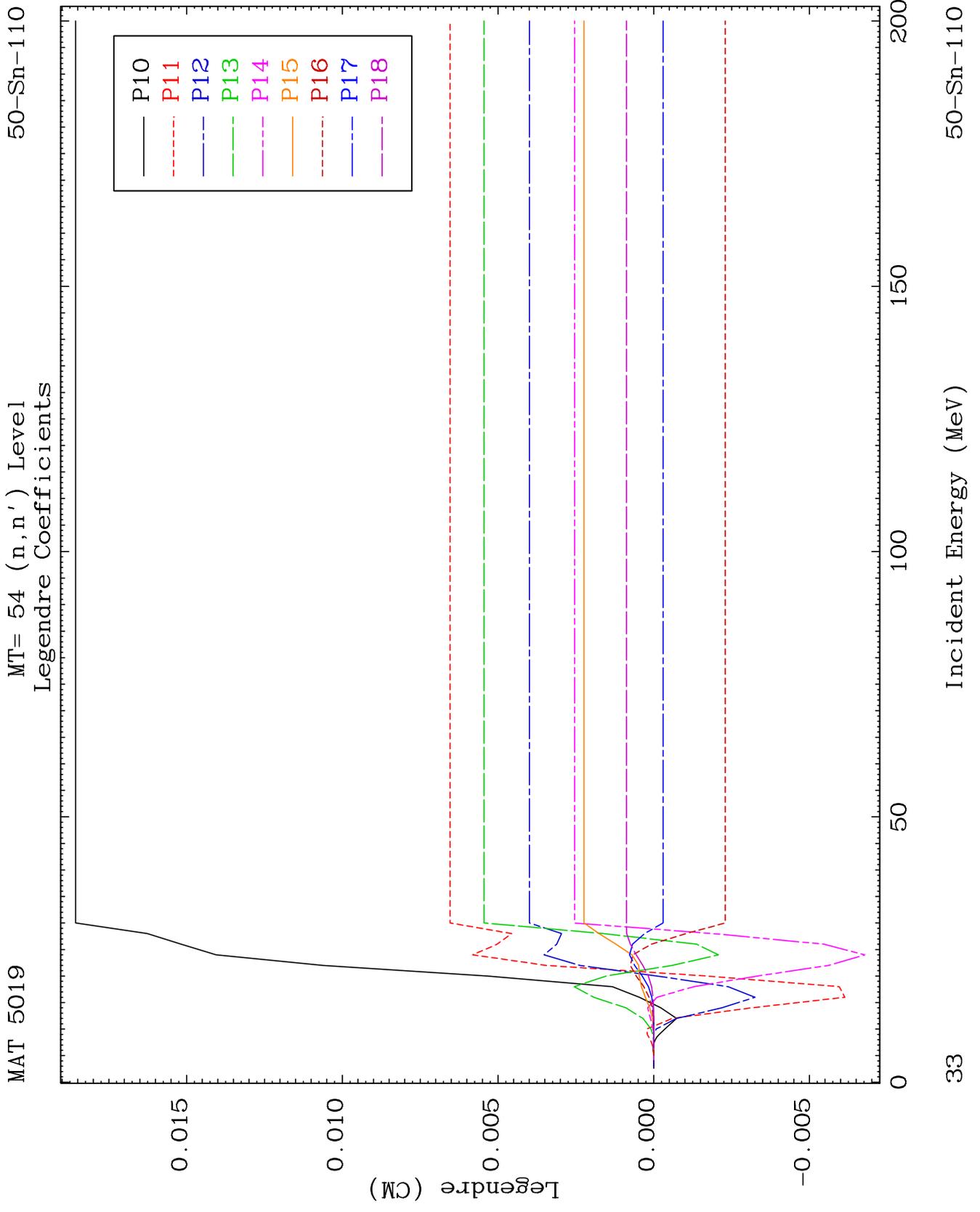
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Incident Energy (MeV)

50-Sn-110



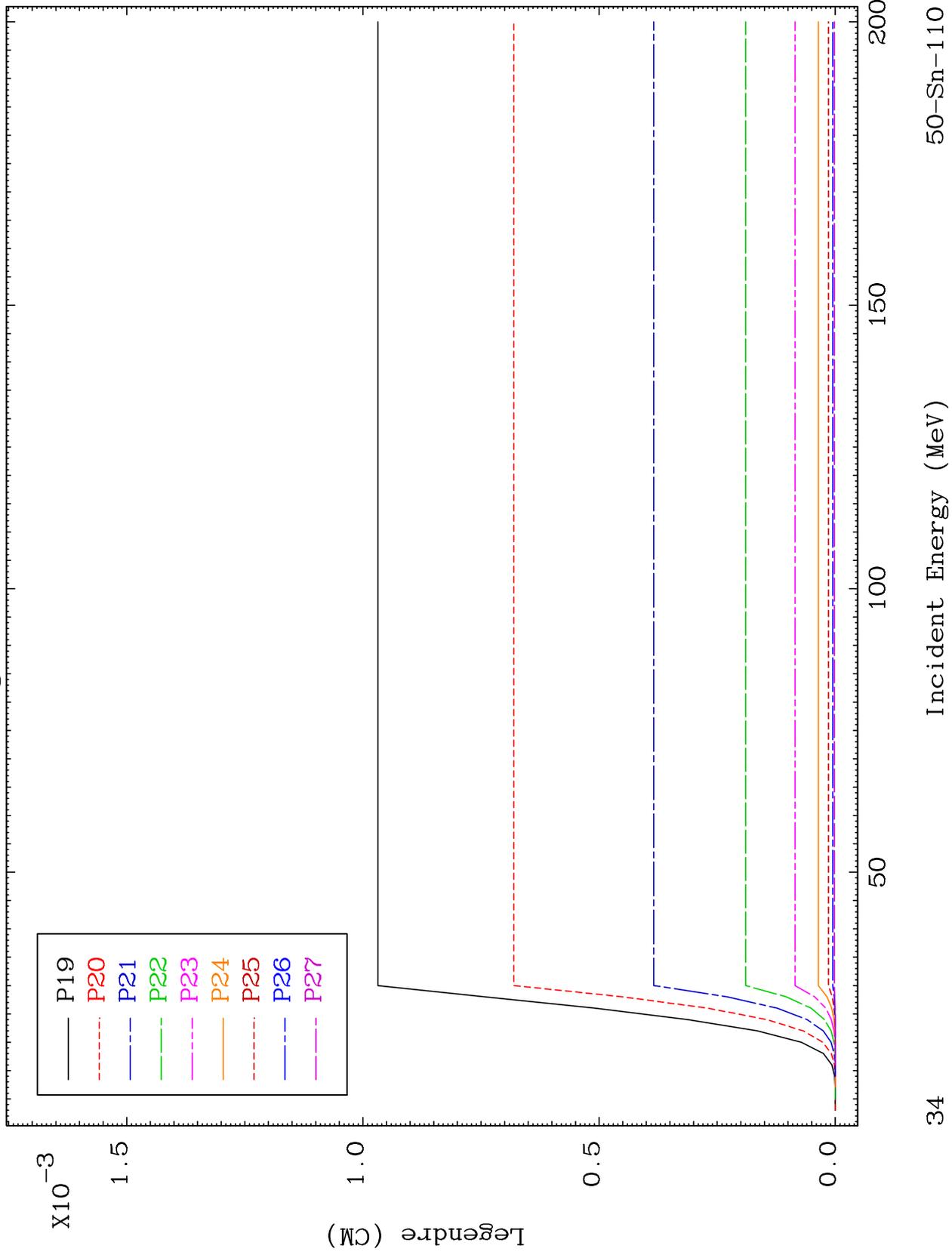


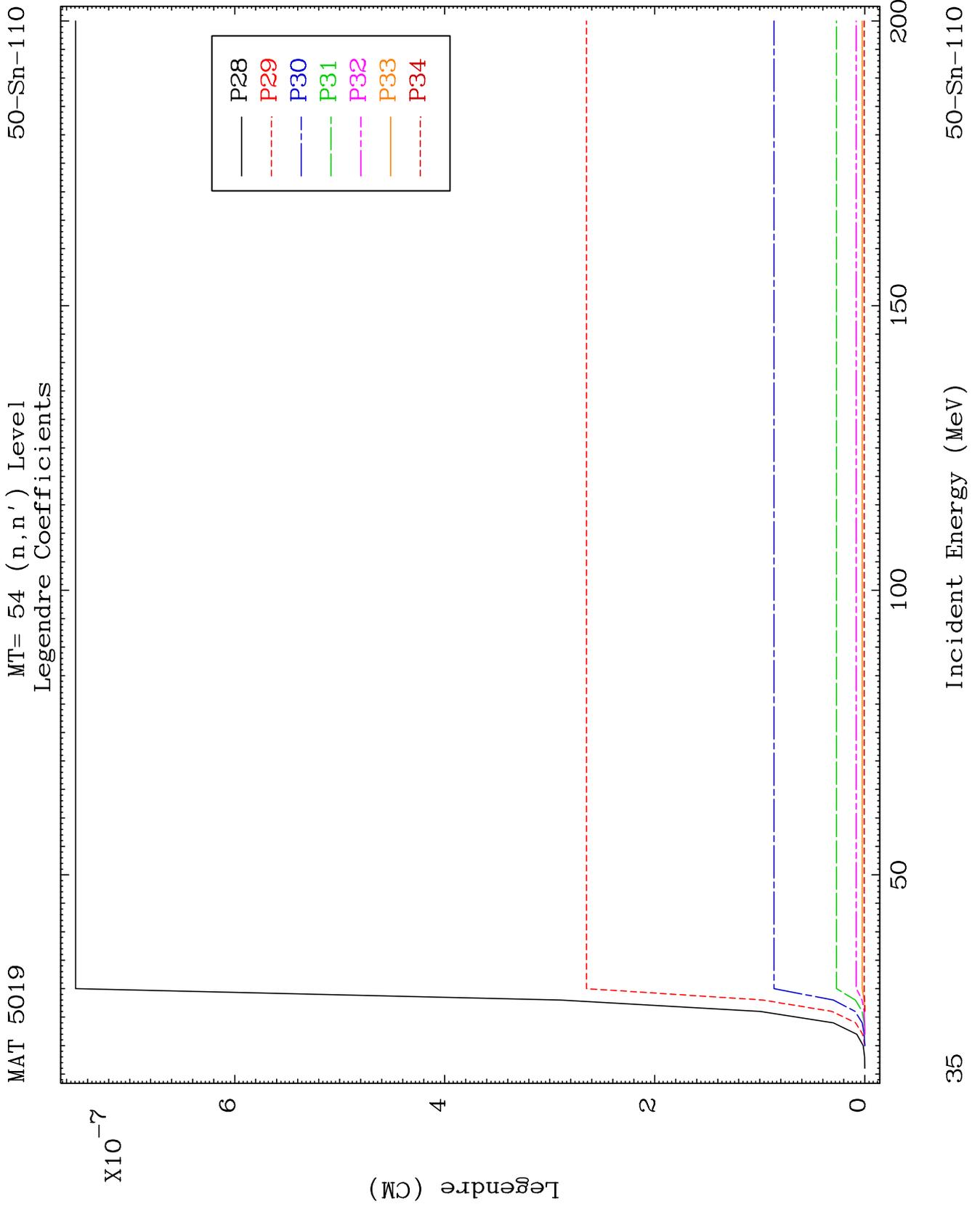


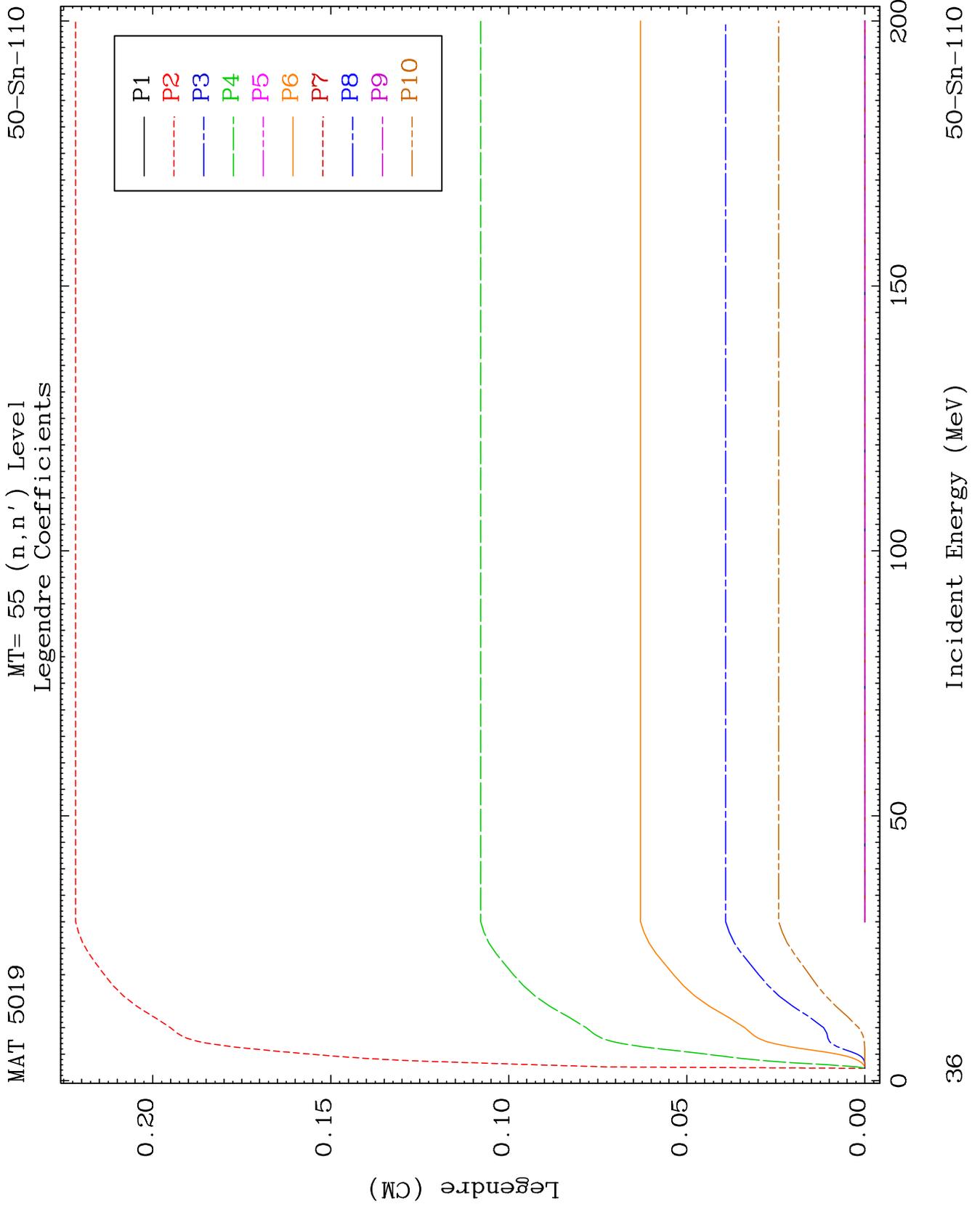
MAT 5019

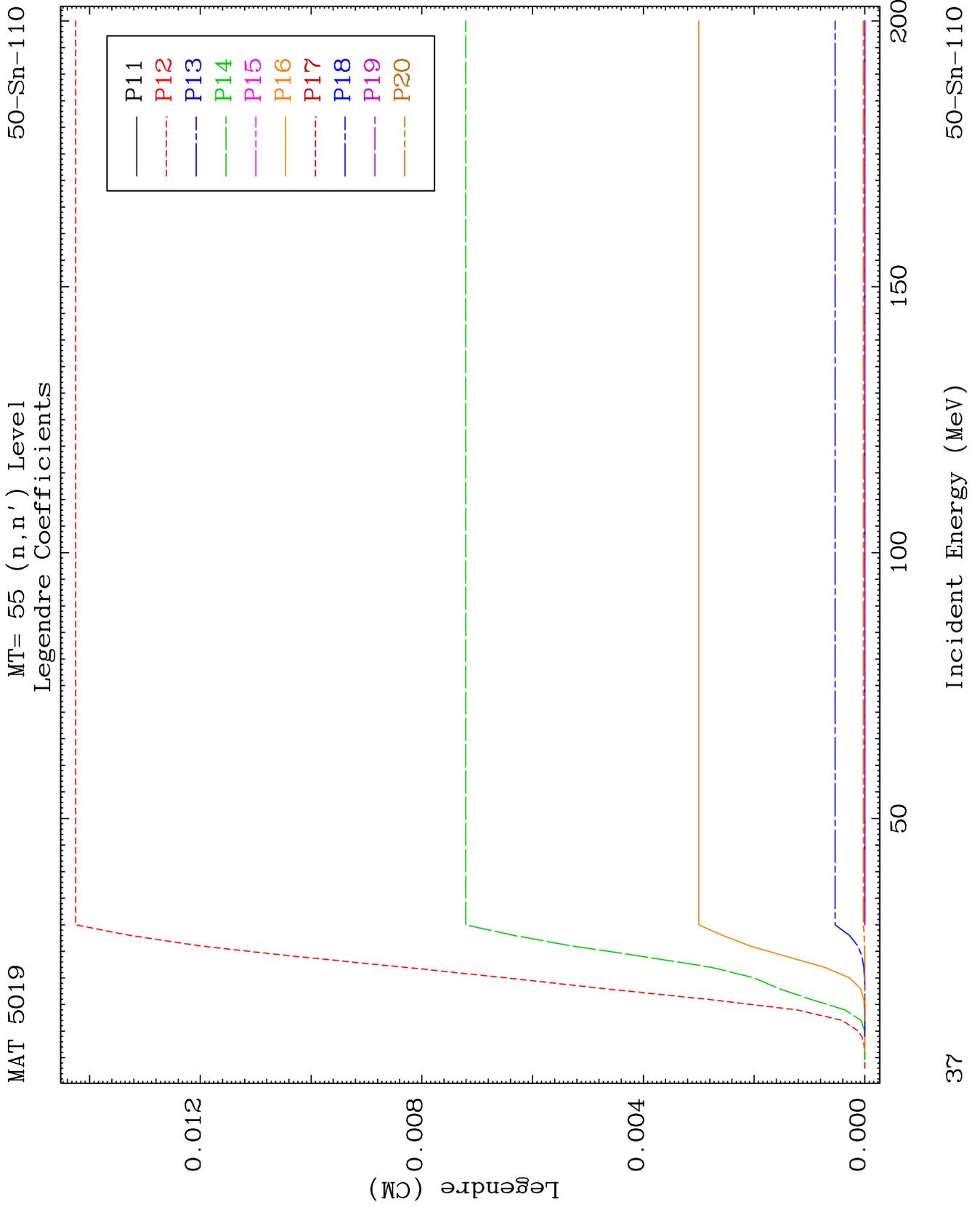
MT= 54 (n,n') Level
Legendre Coefficients

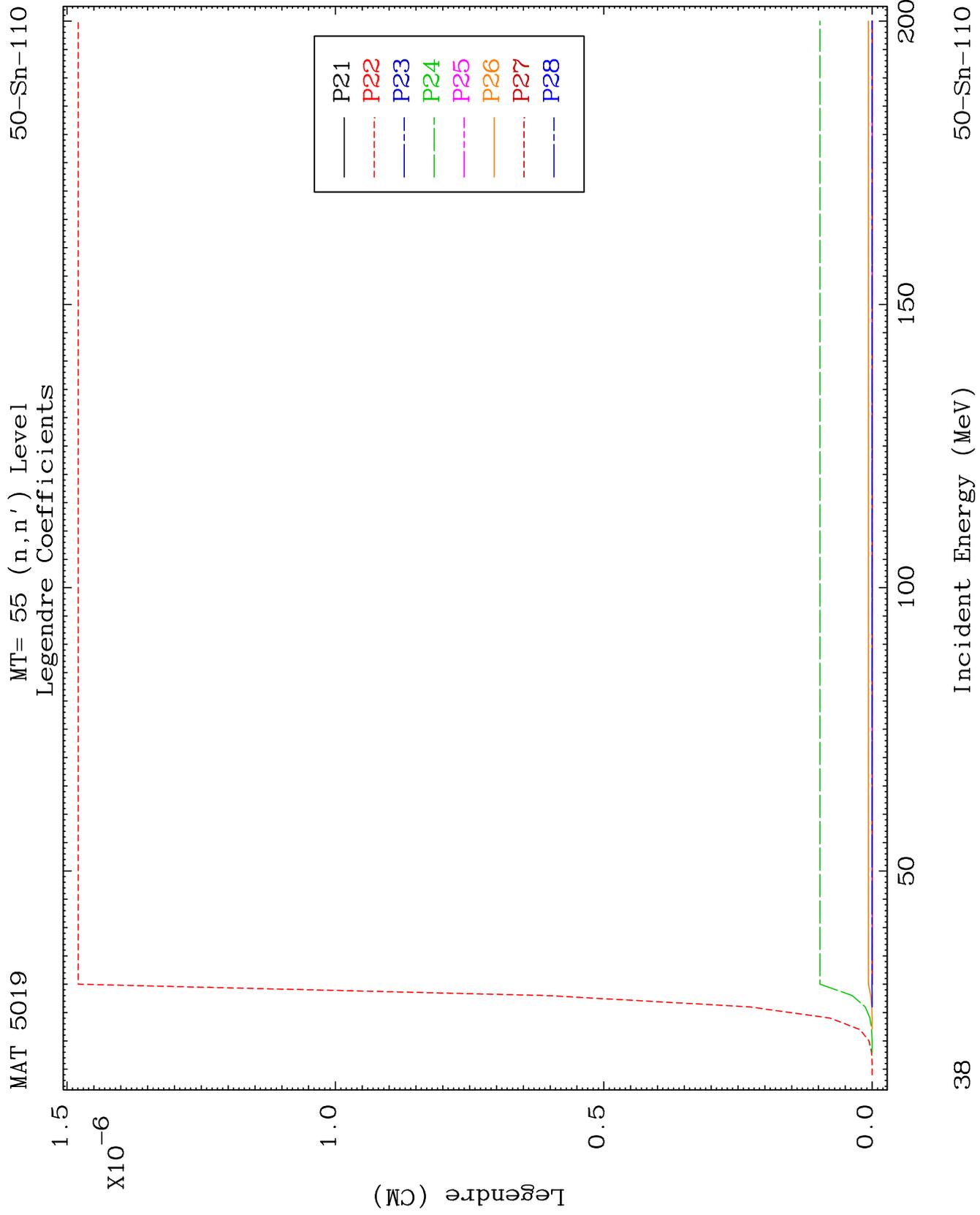
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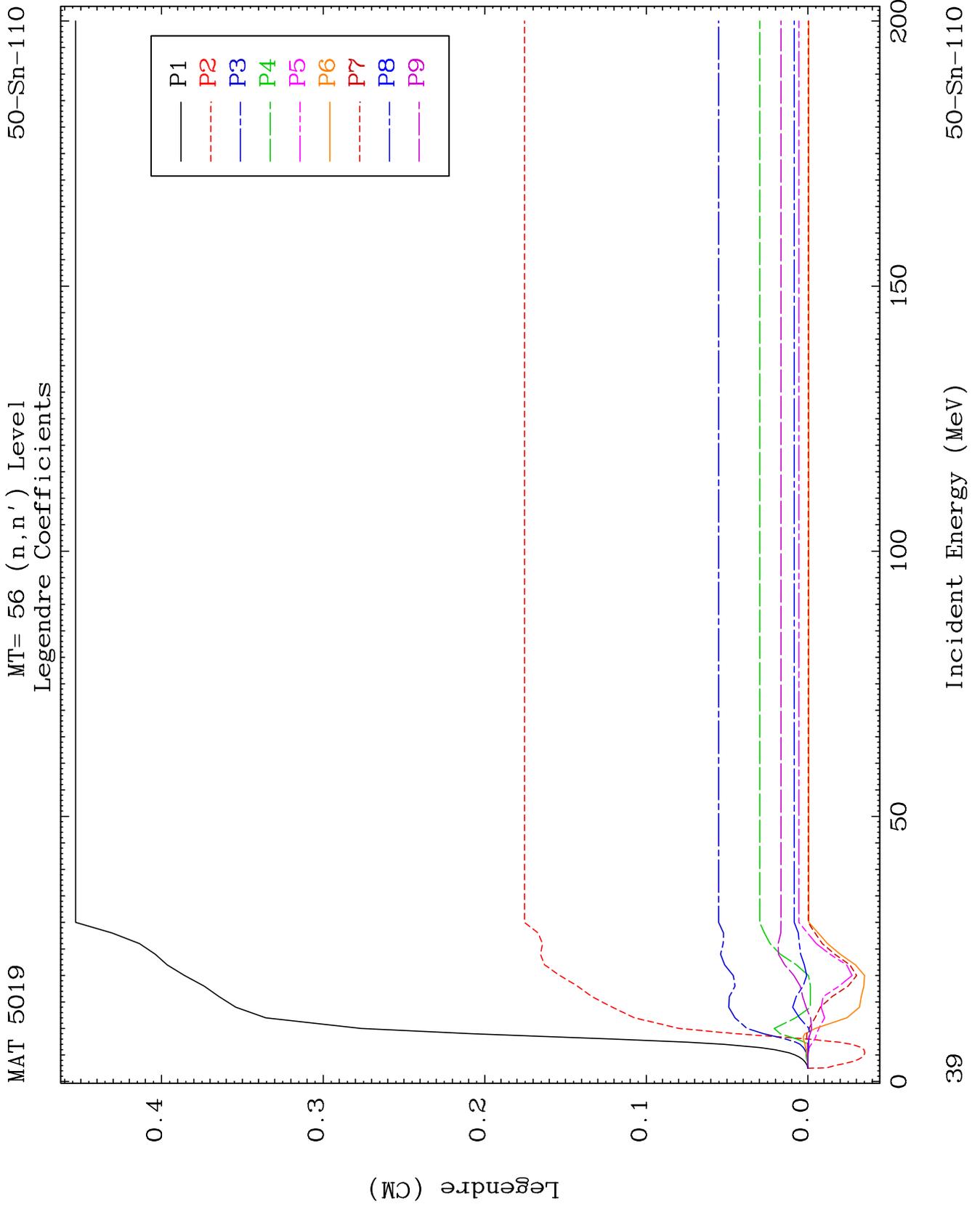


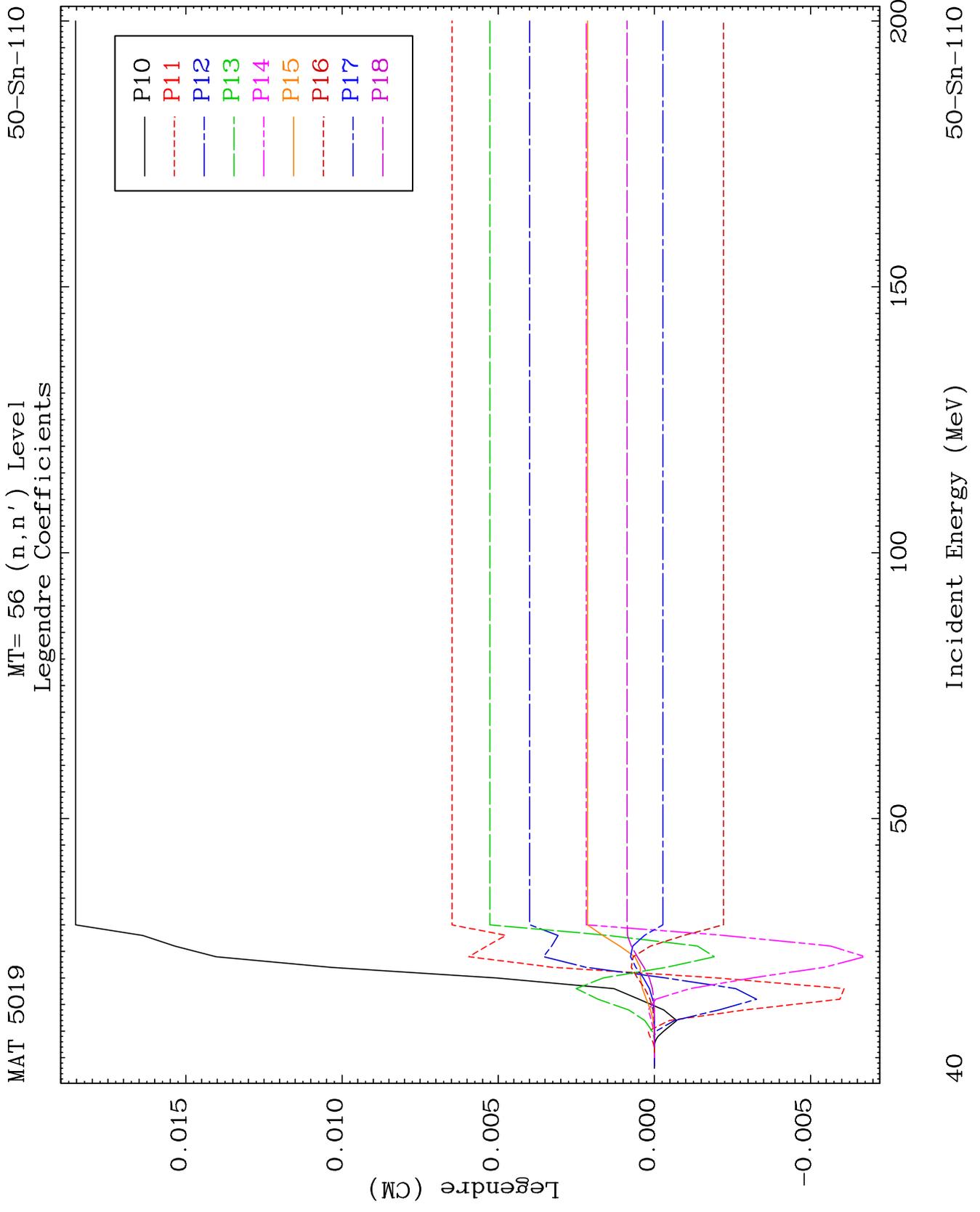








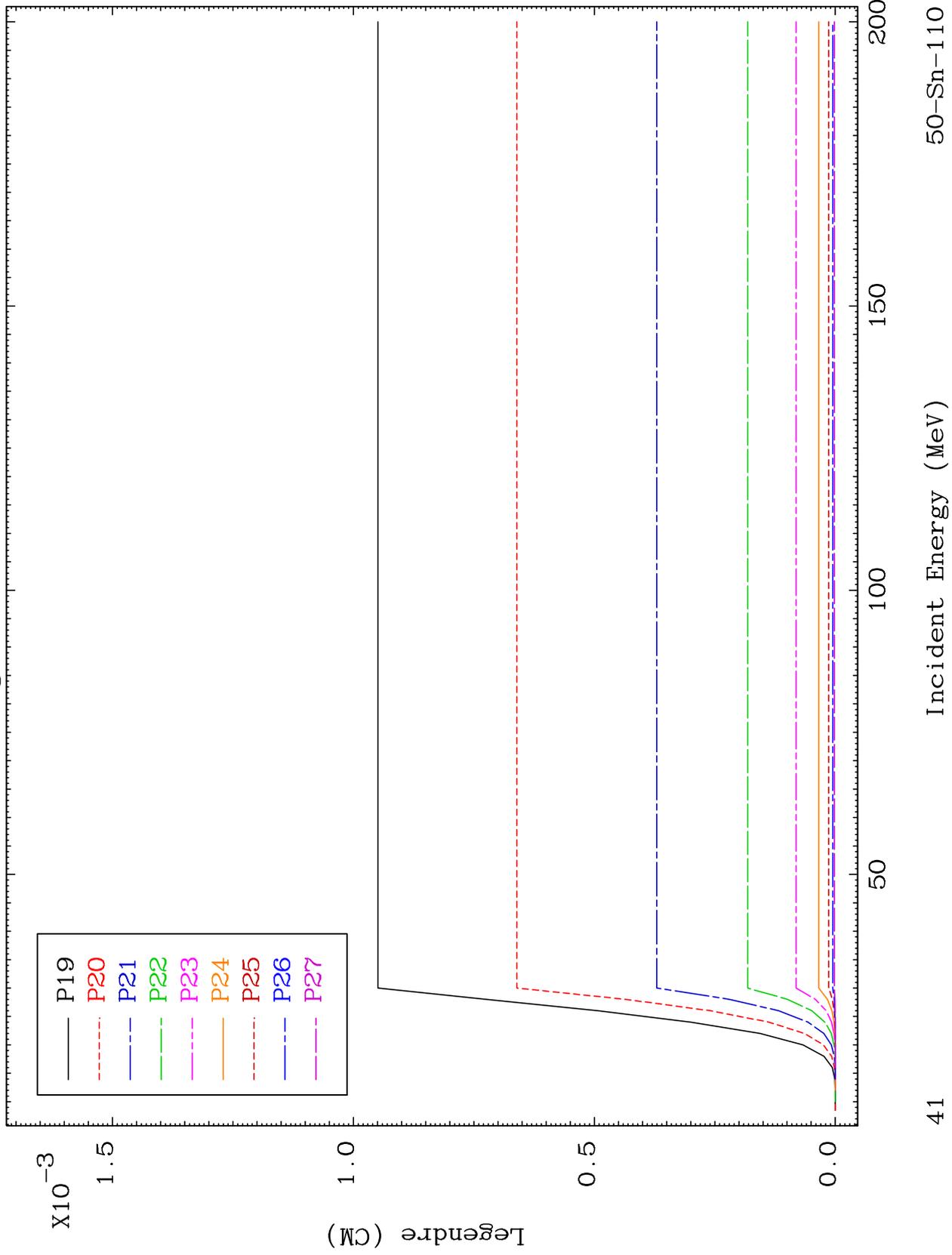




MAT 5019

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

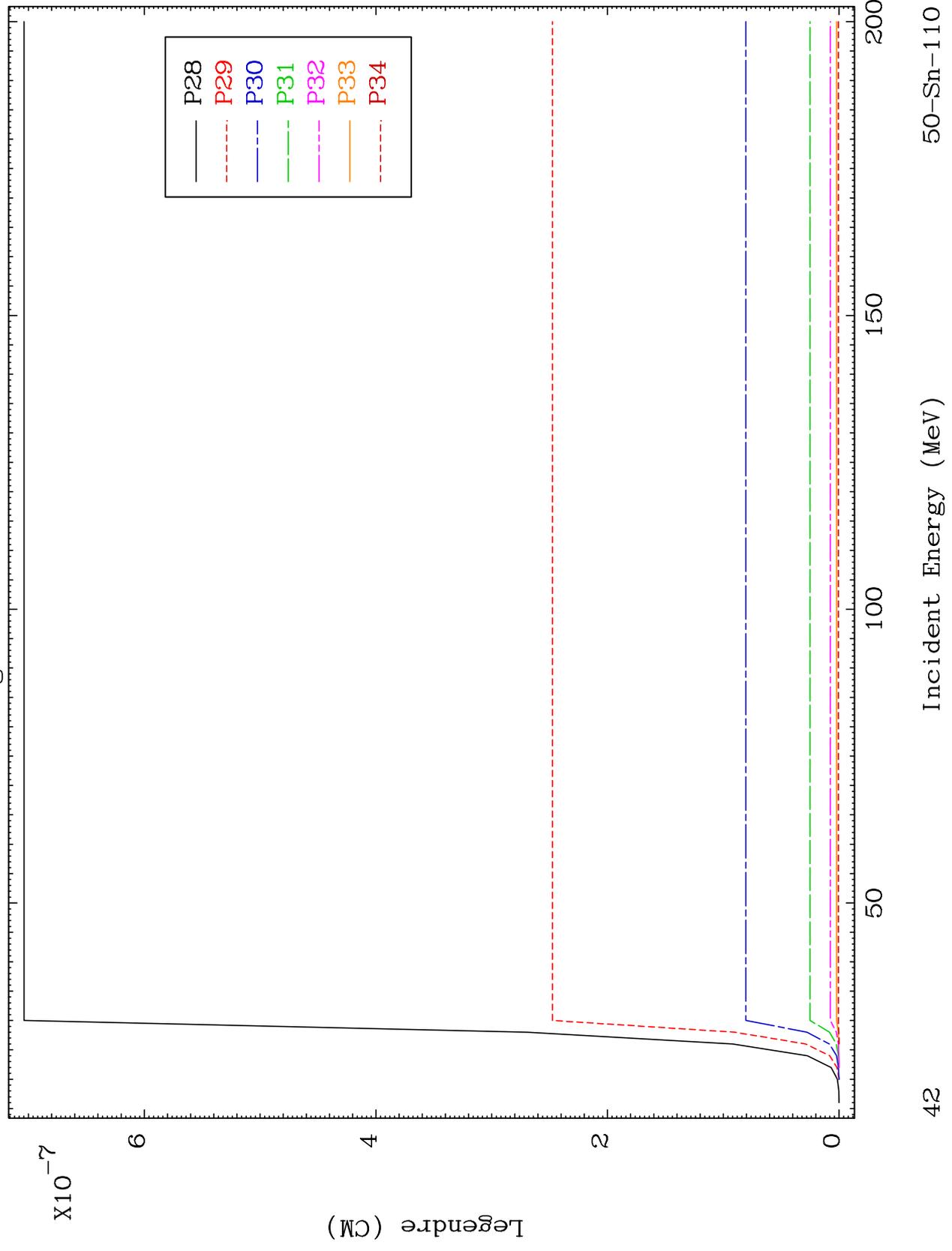
50-Sn-110



MAT 5019

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

50-Sn-110



42

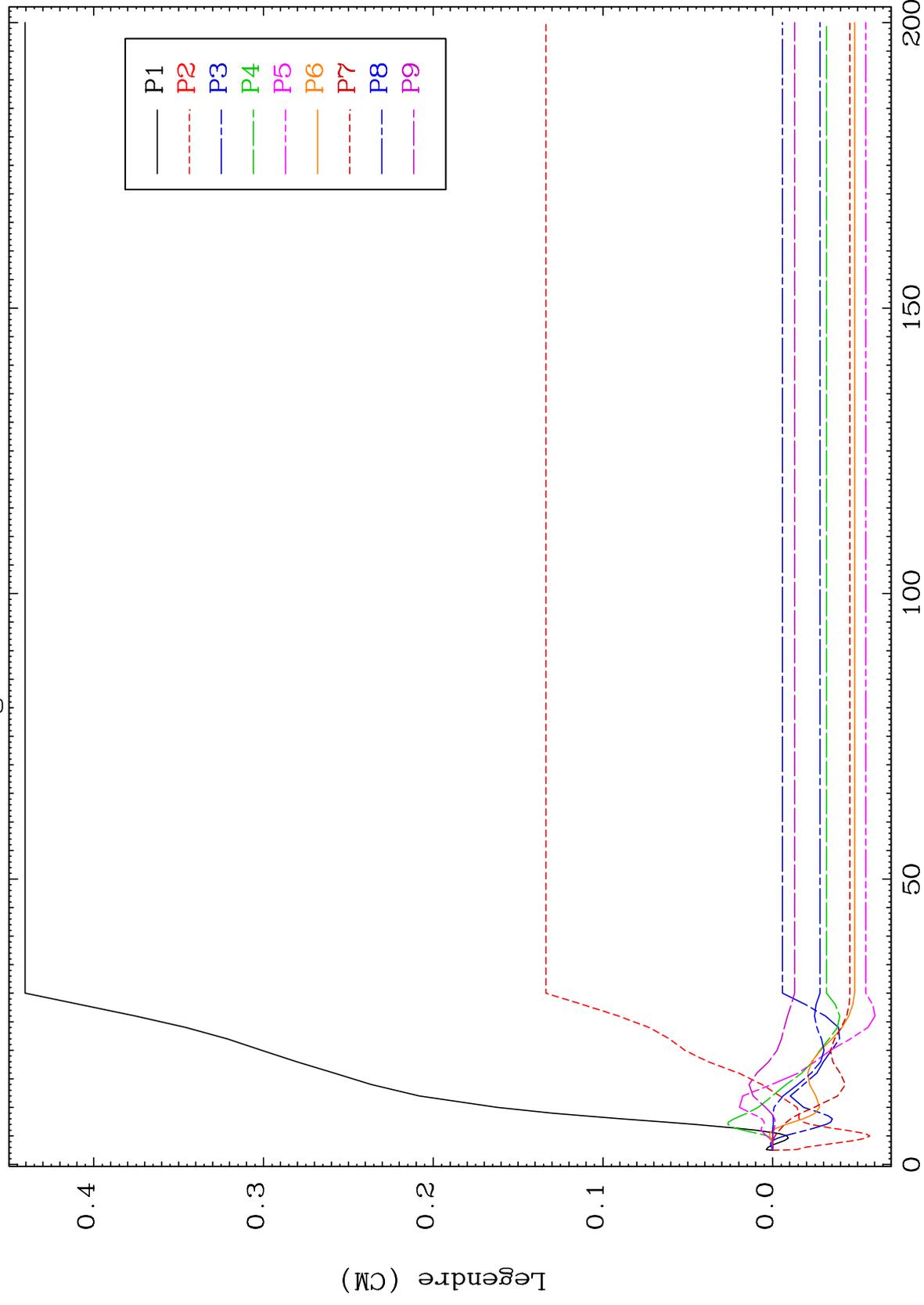
Incident Energy (MeV)

50-Sn-110

MAT 5019

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

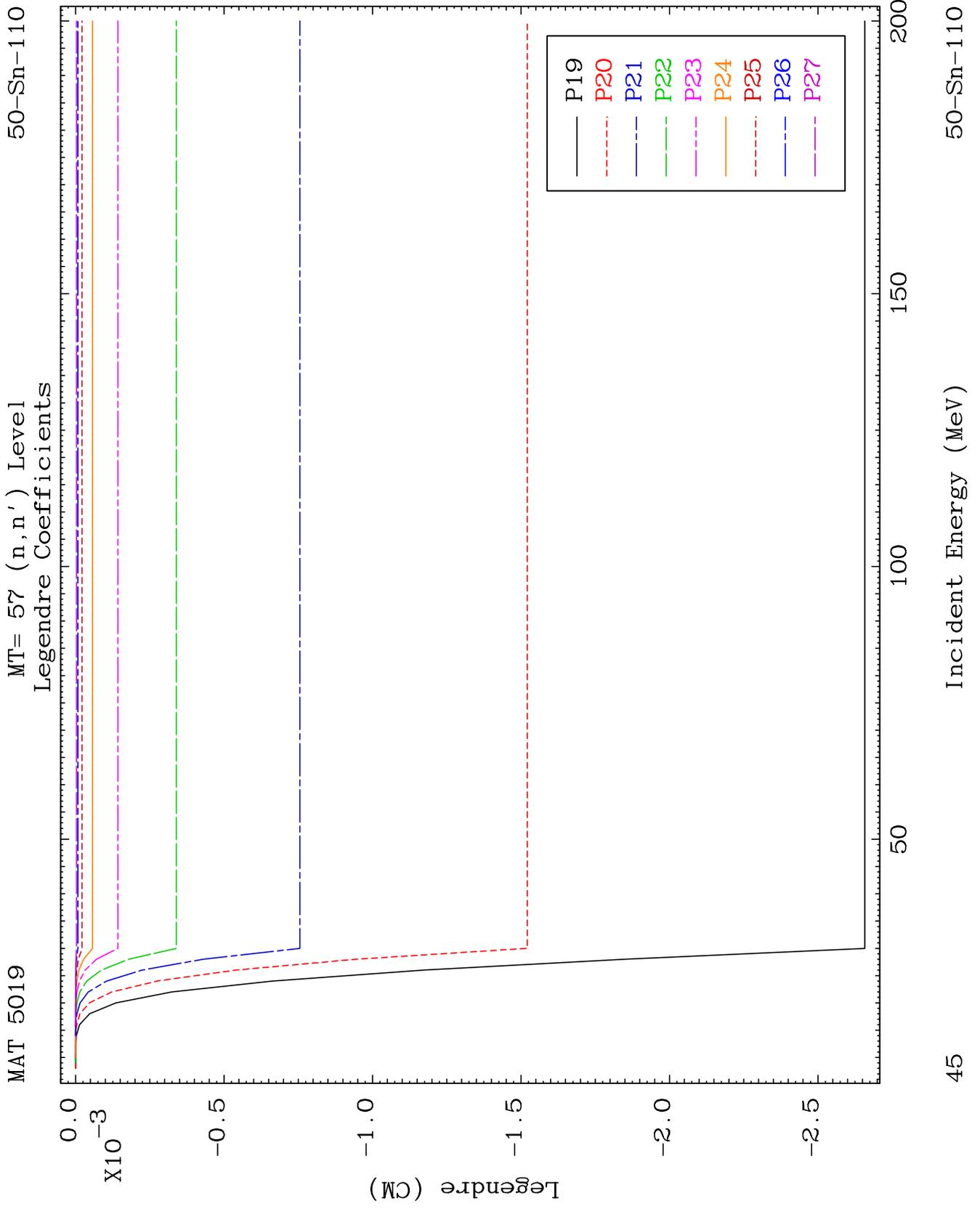
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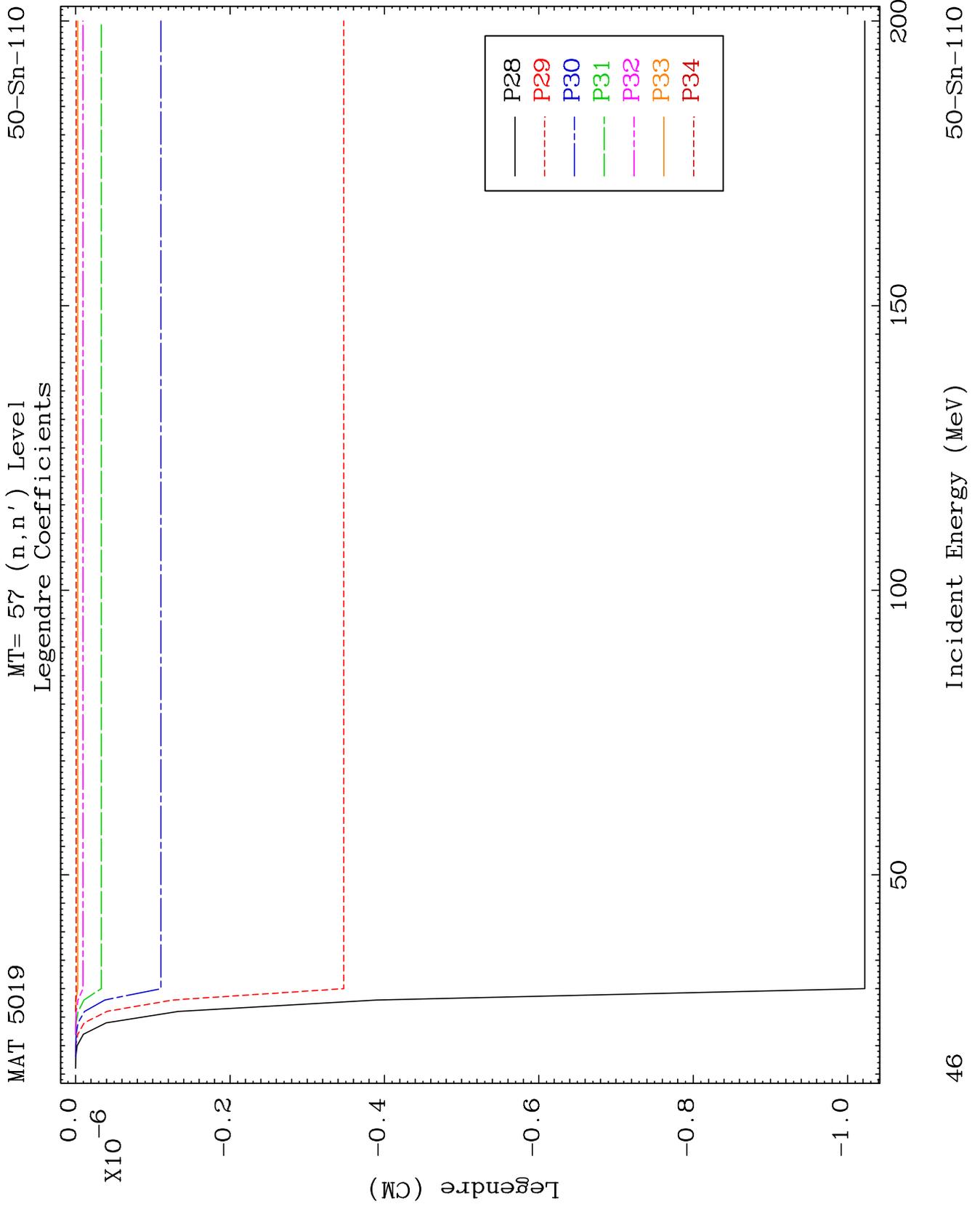


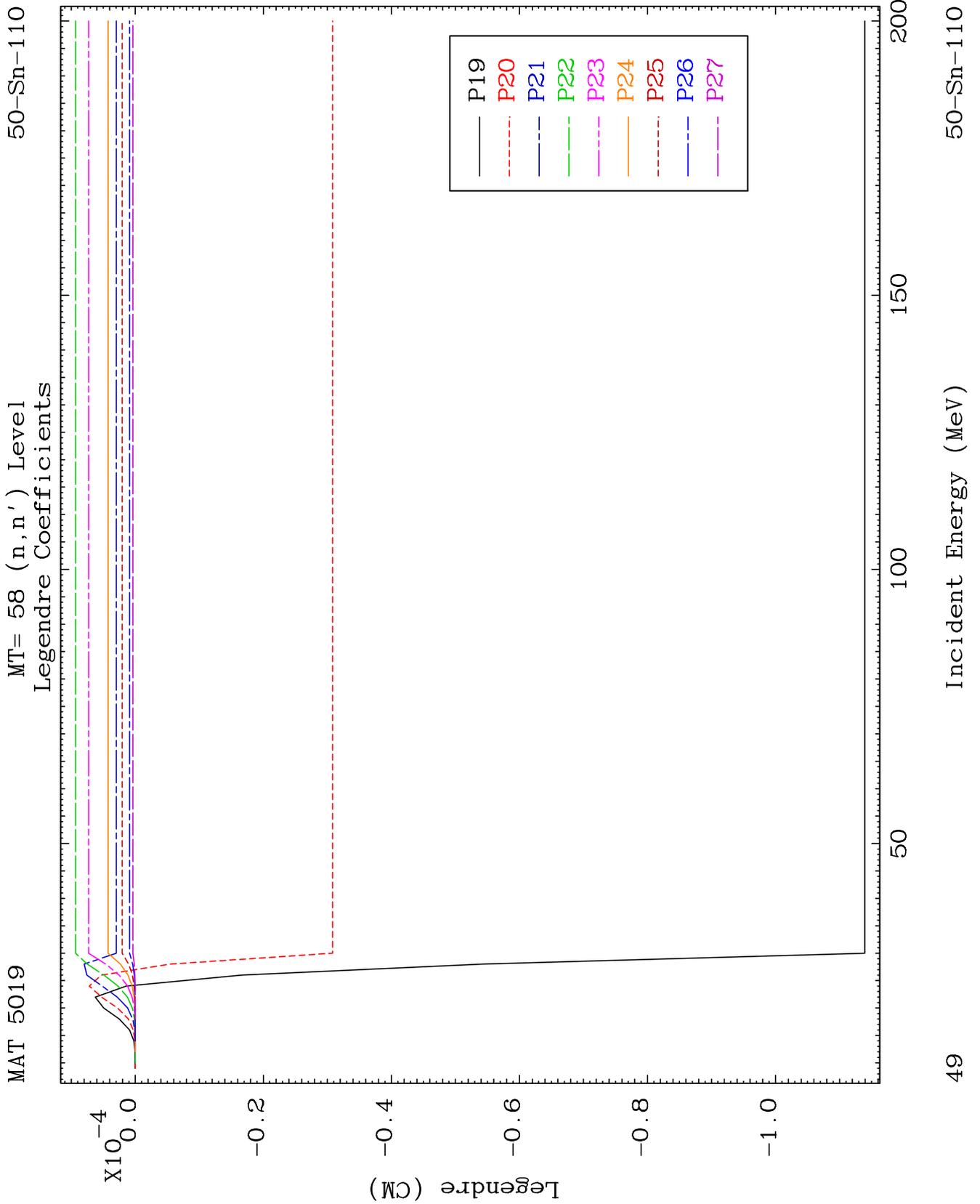
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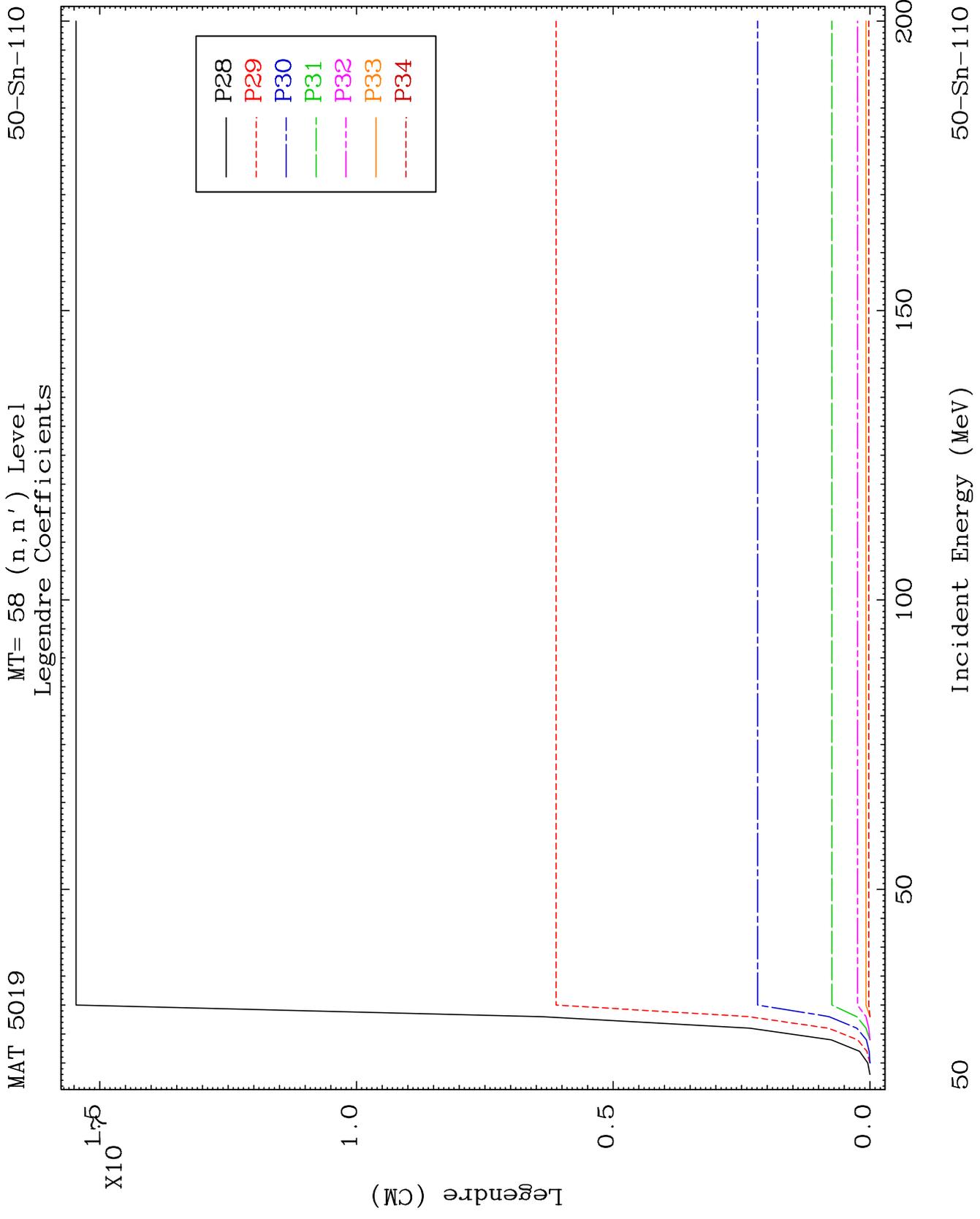
Incident Energy (MeV)

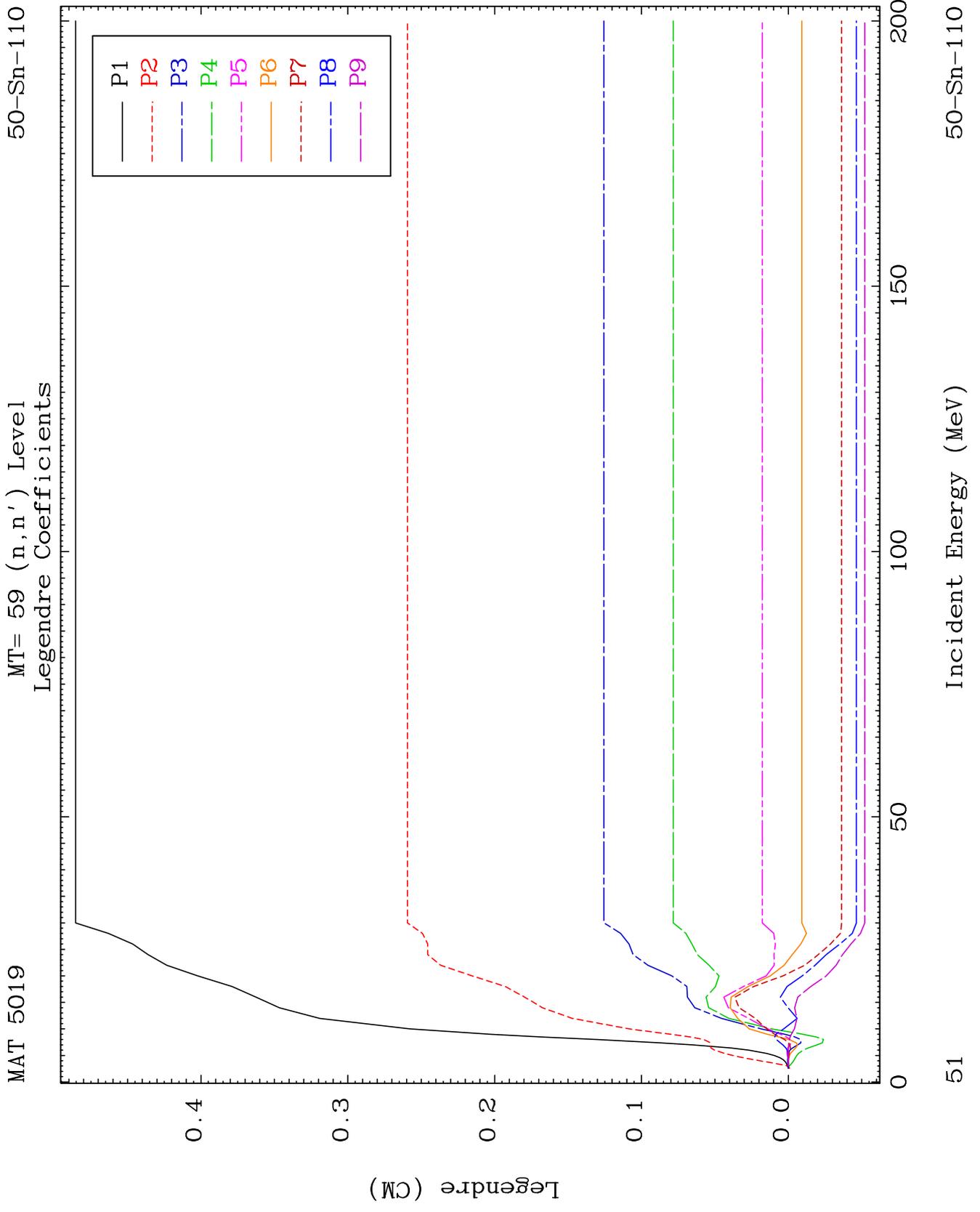
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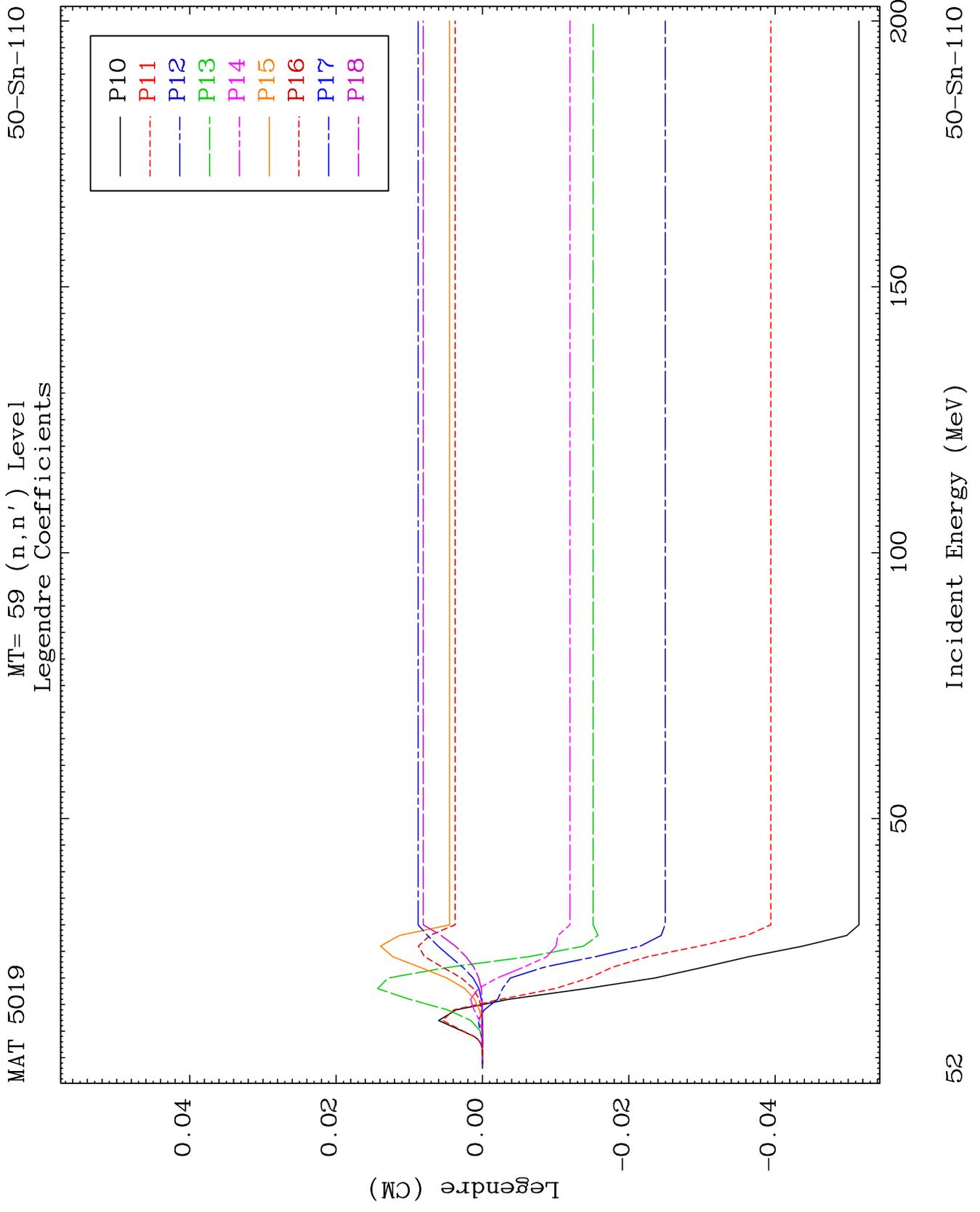


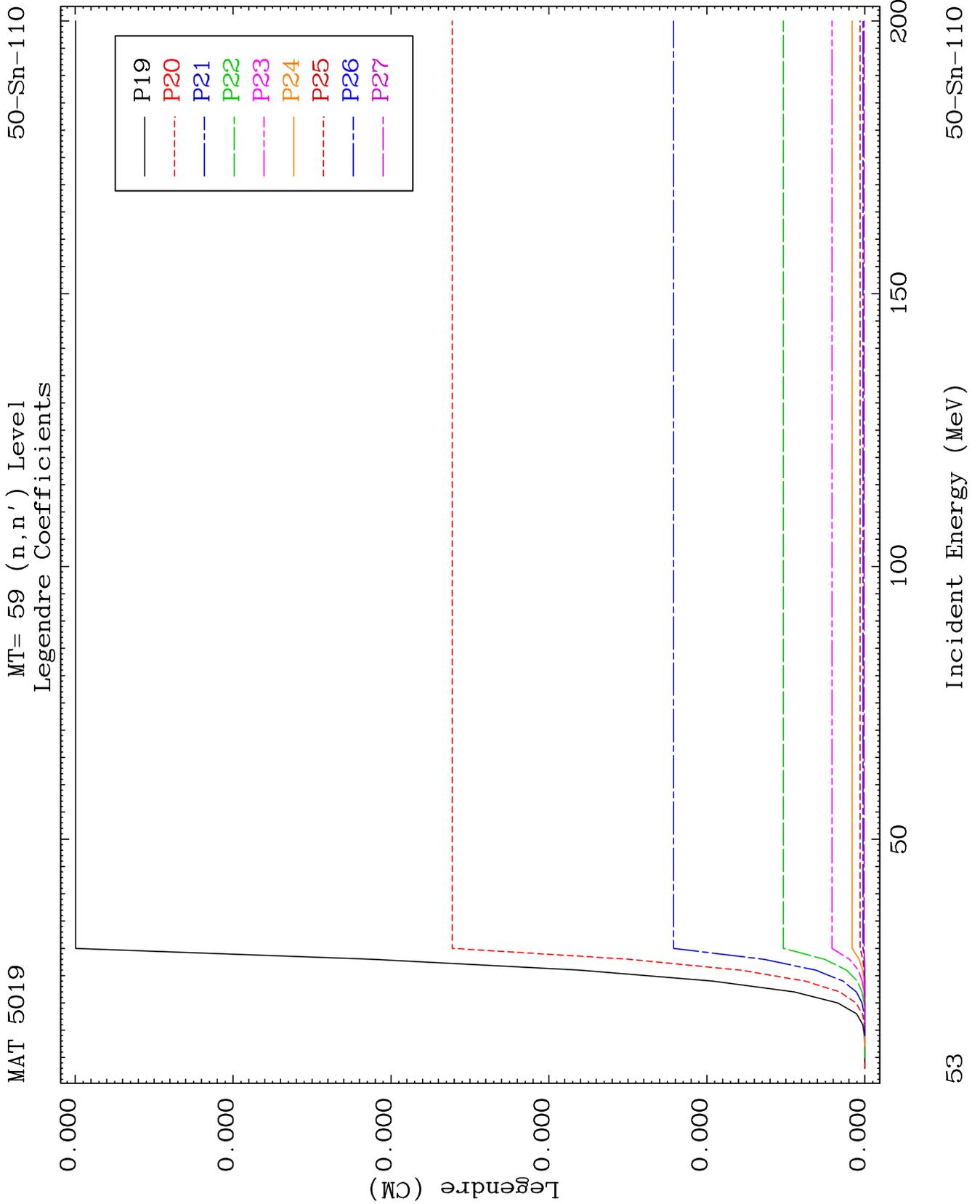


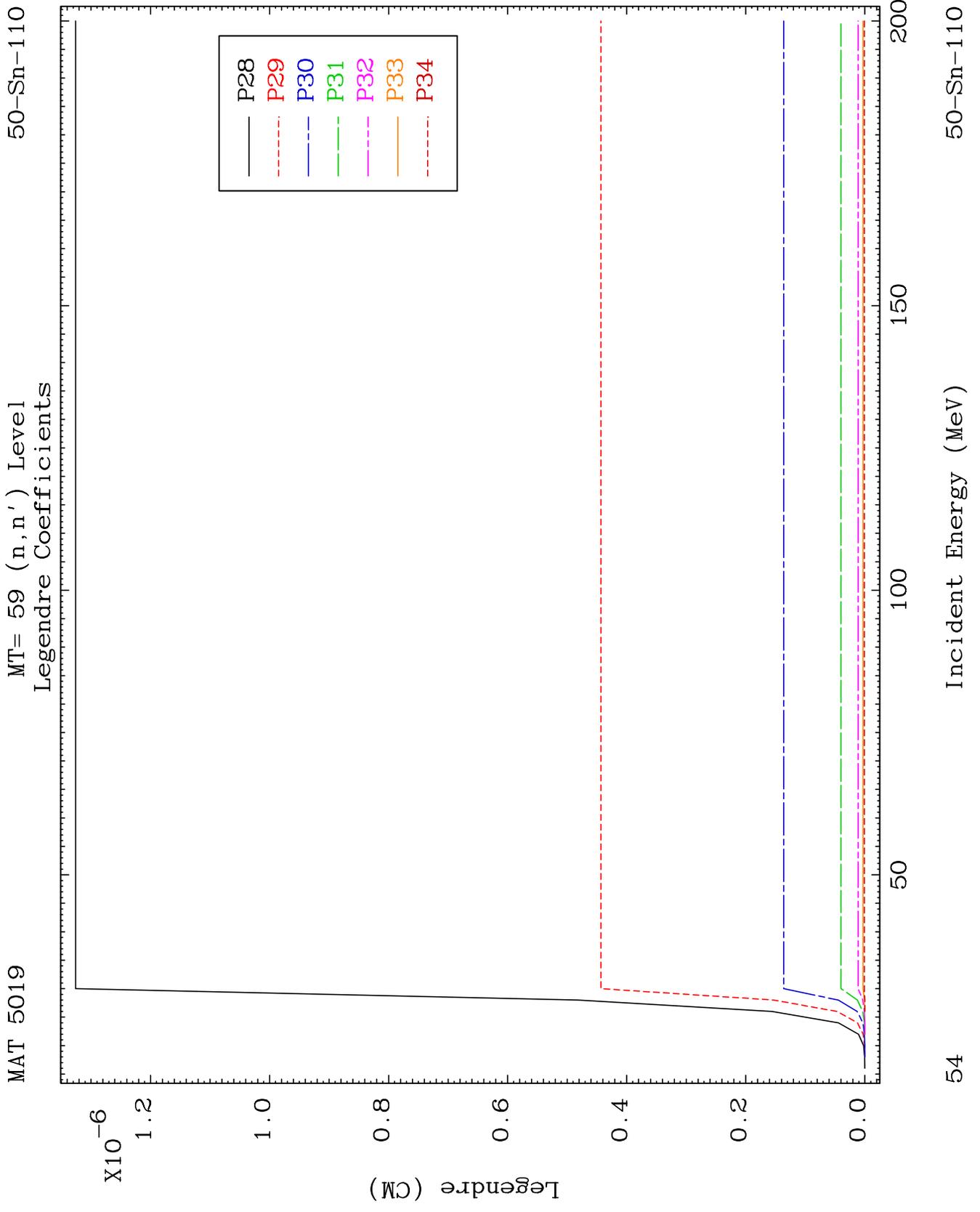


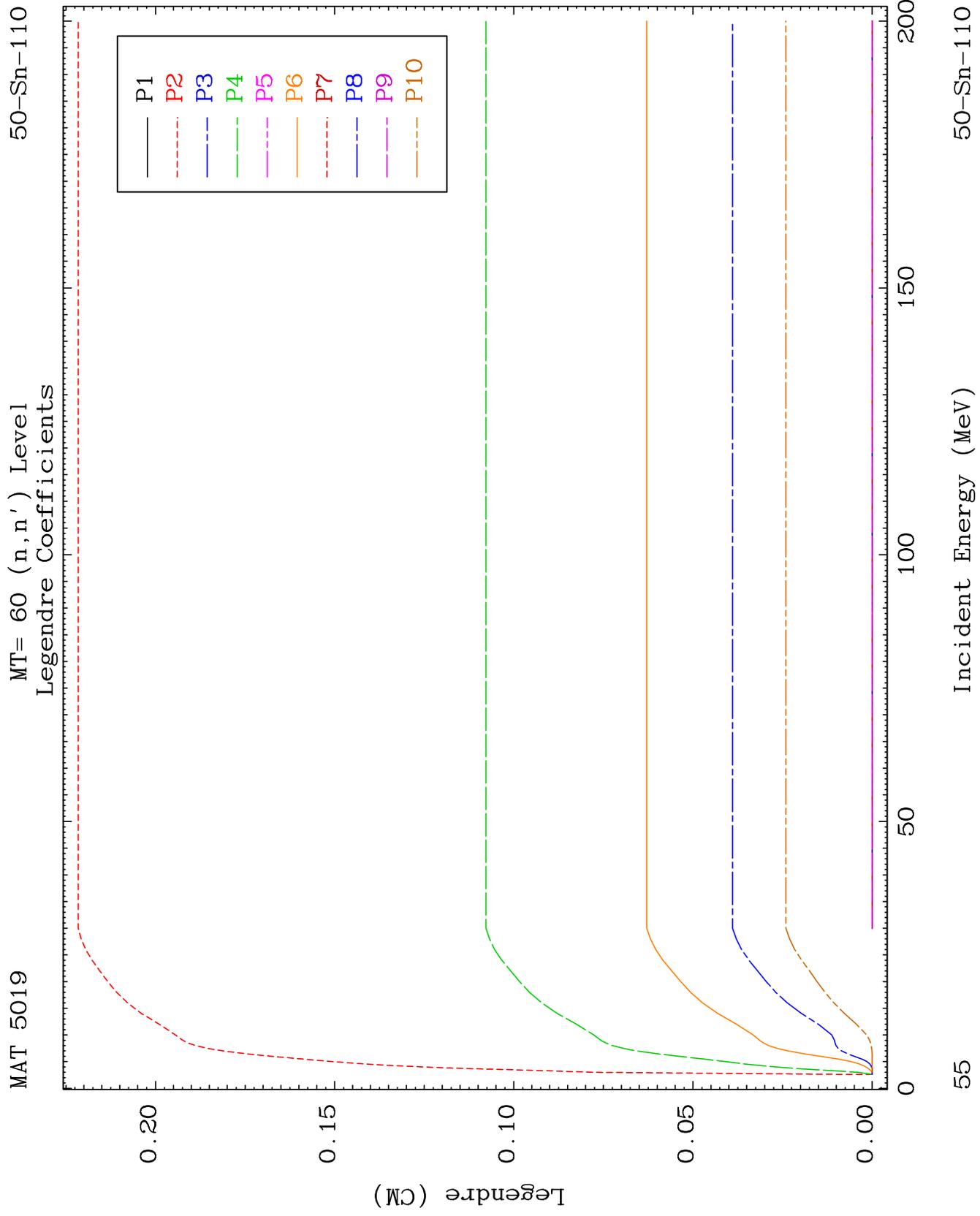


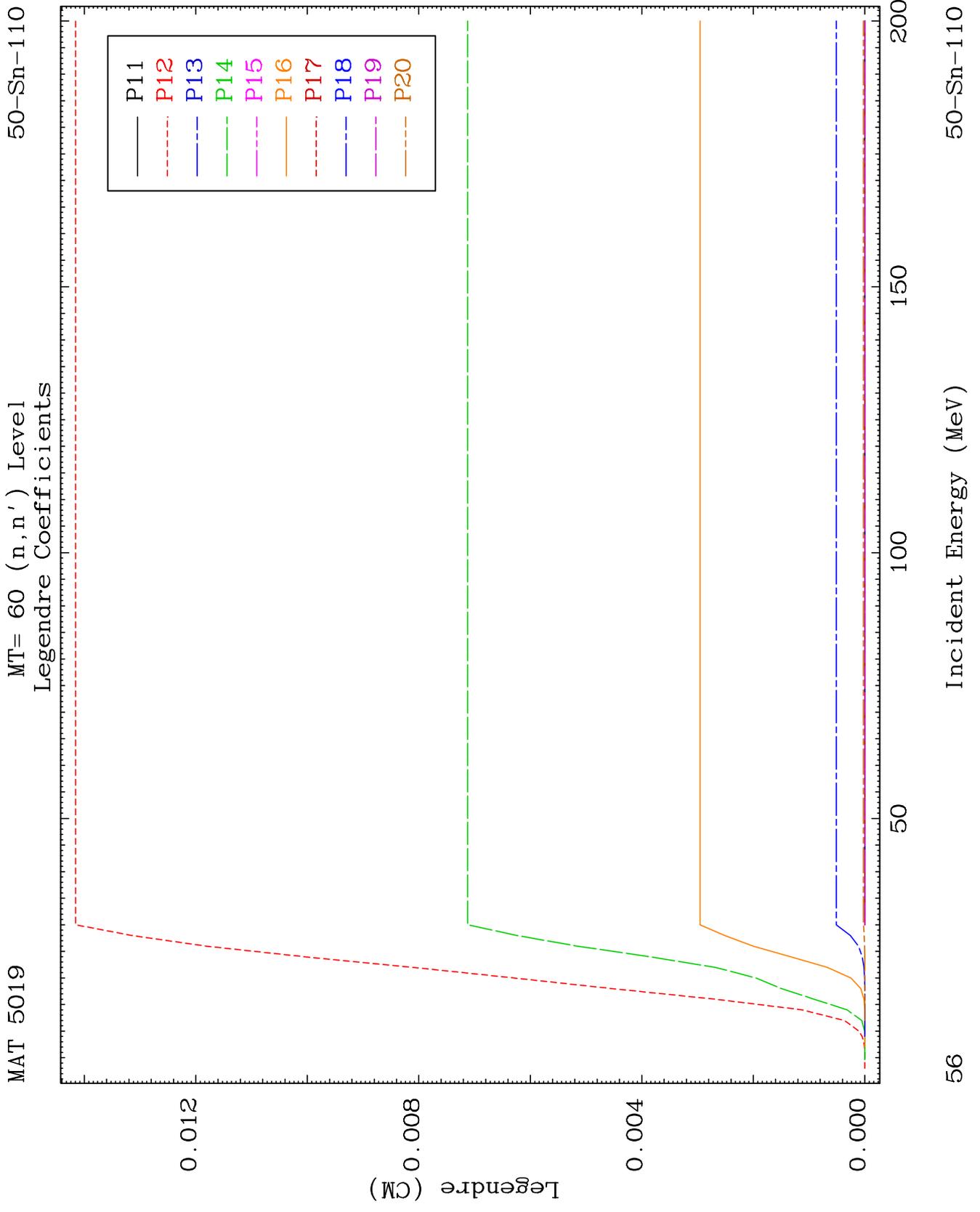


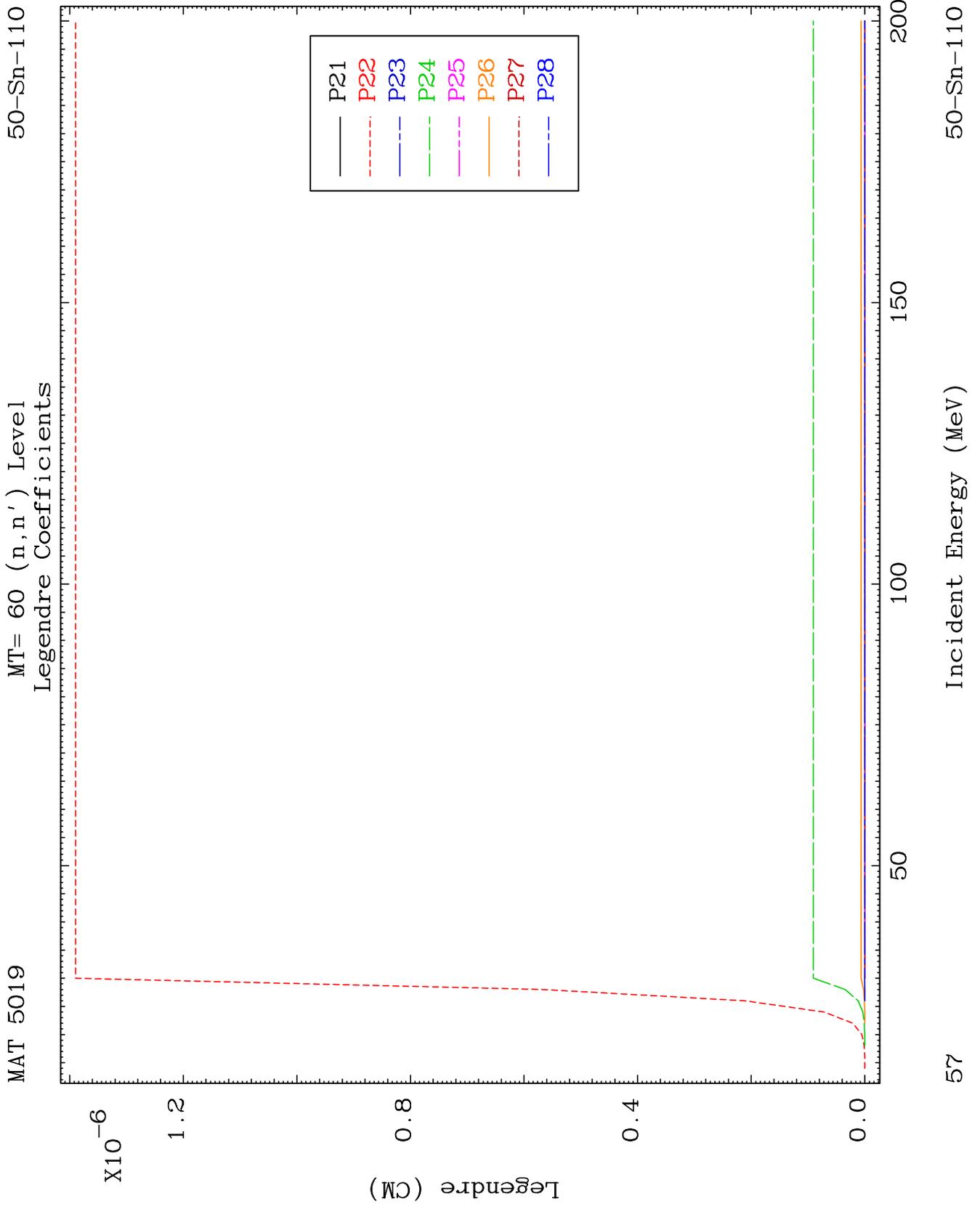


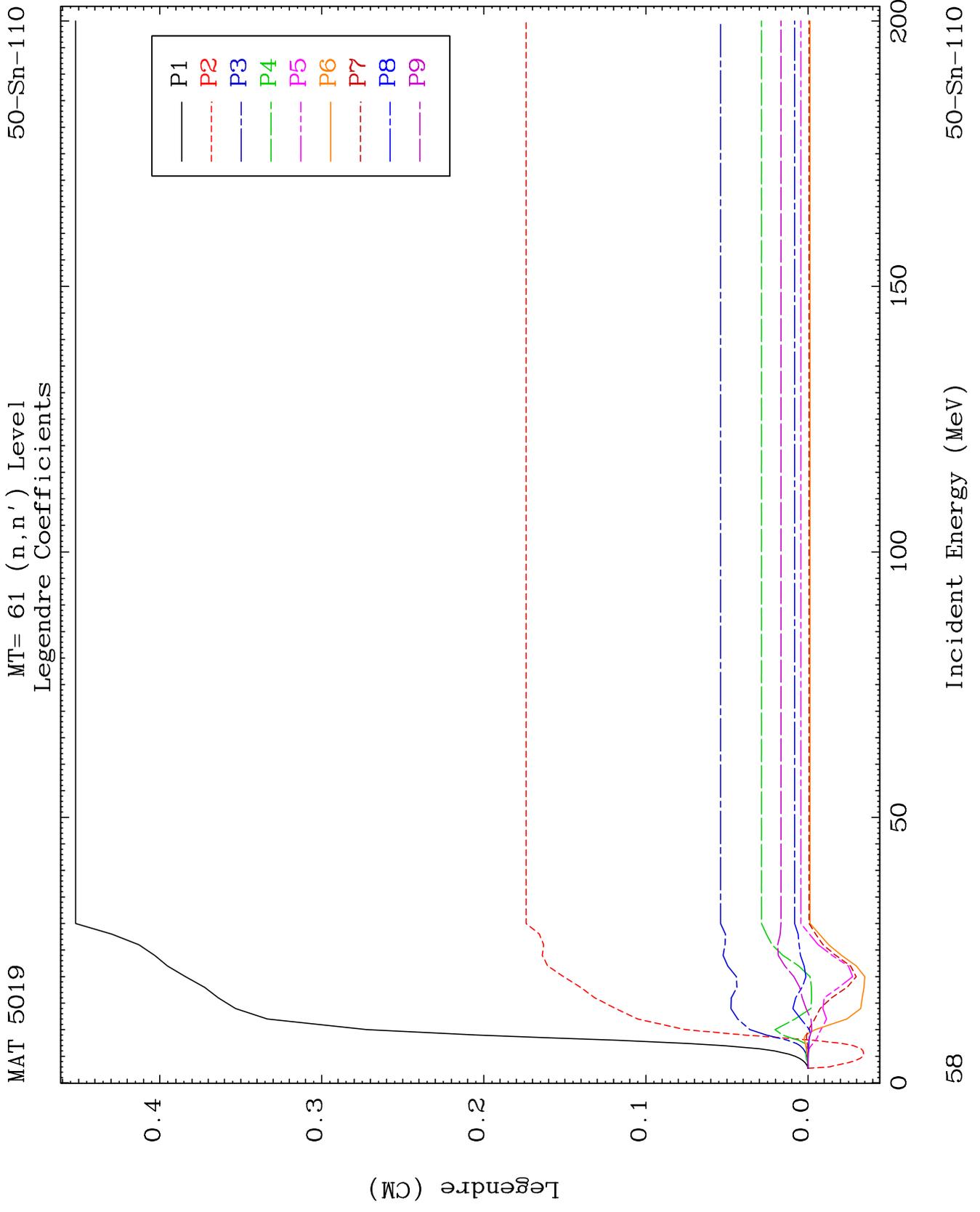


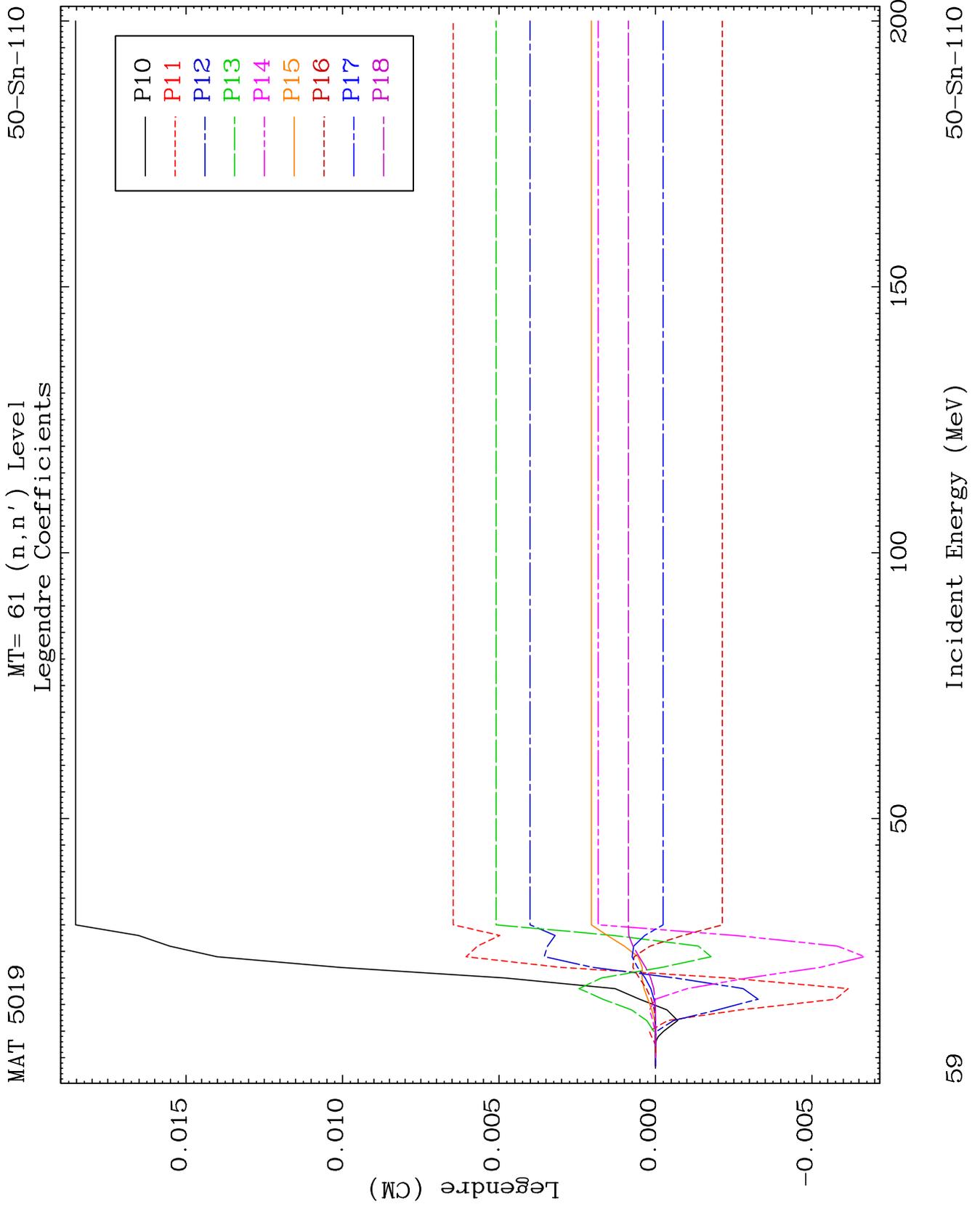








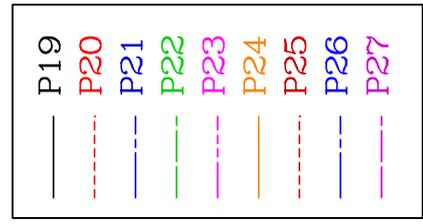




MAT 5019

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

50-Sn-110



$\times 10^{-3}$
1.5
1.0

Legendre (CM)

0.5

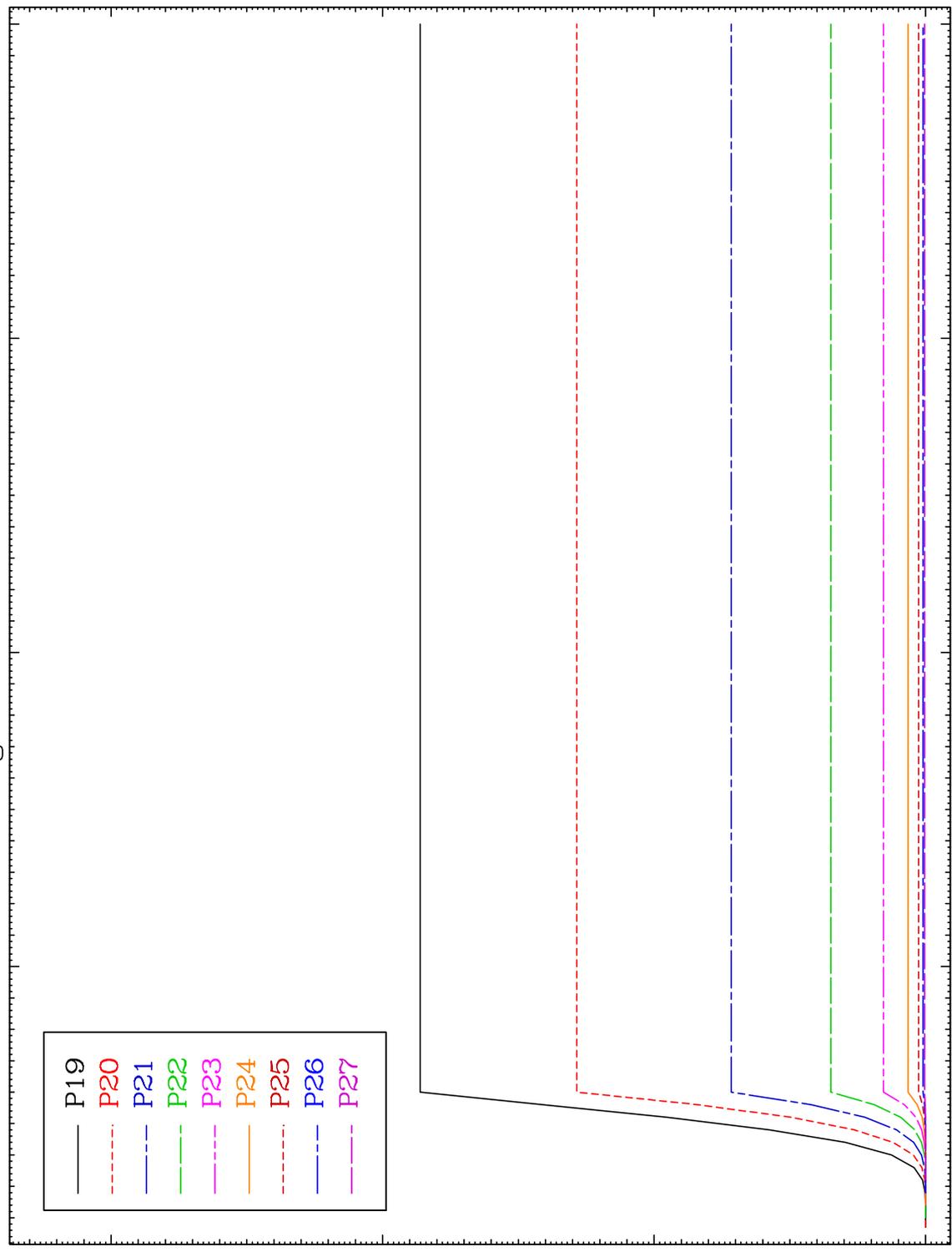
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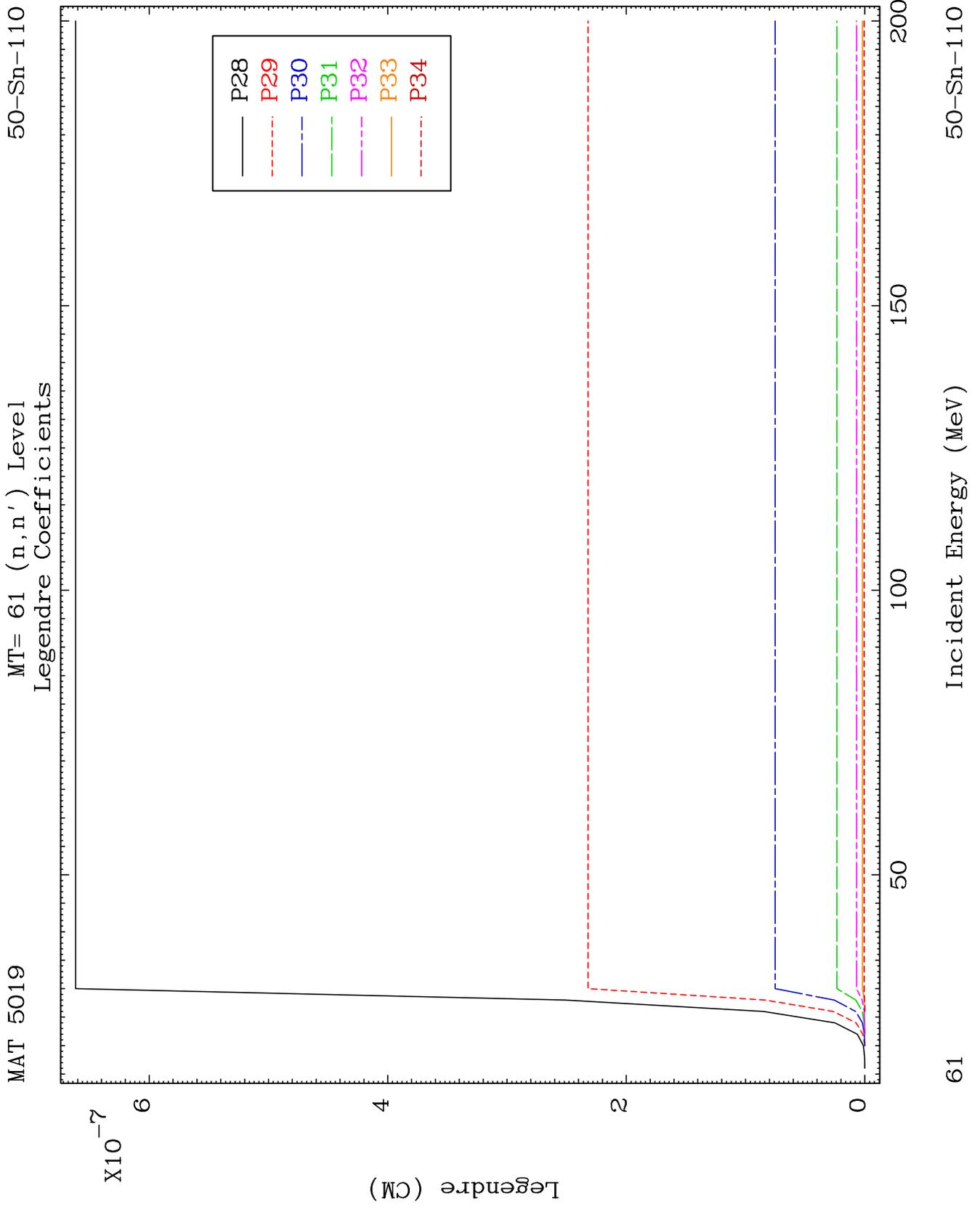
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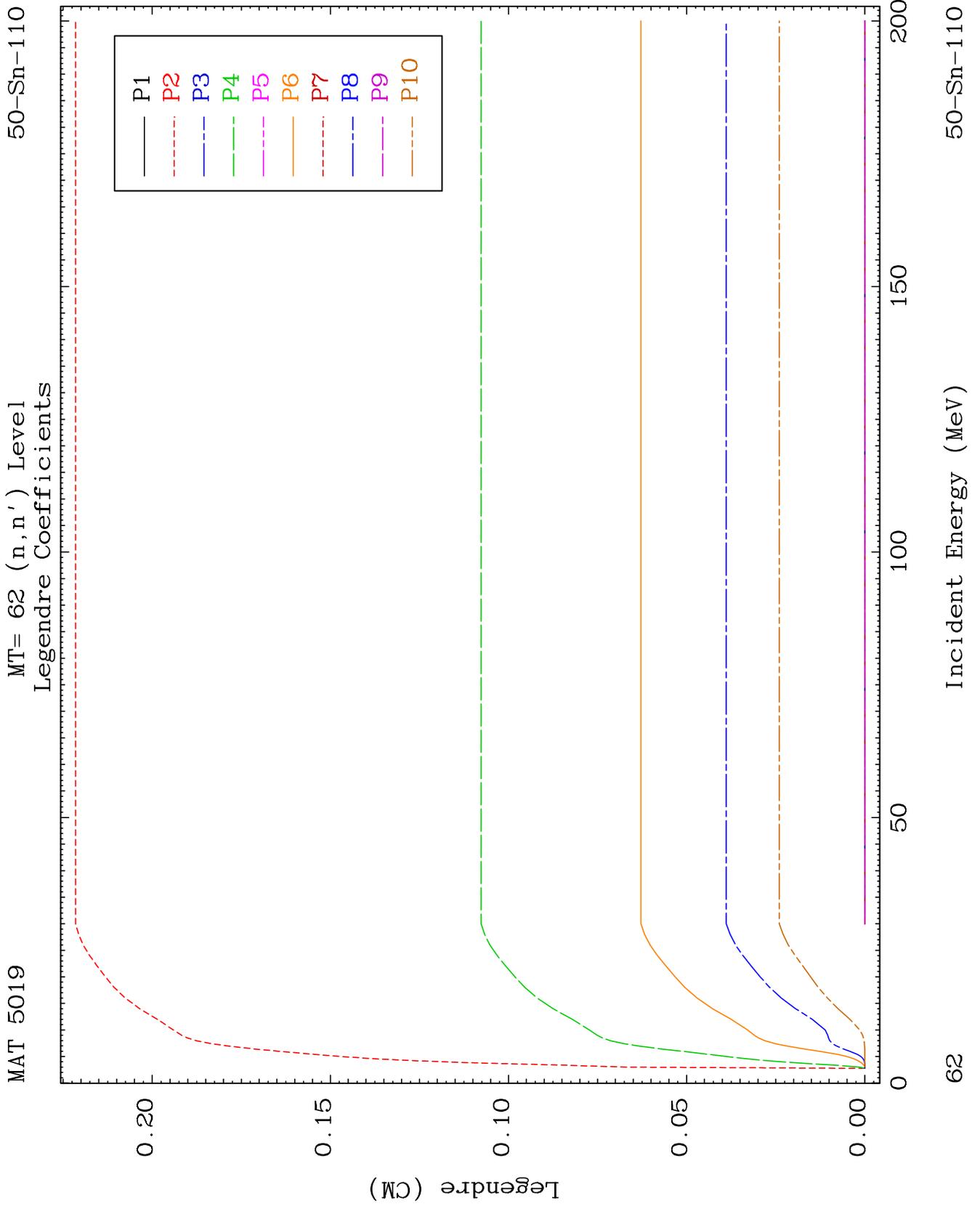
Incident Energy (MeV)

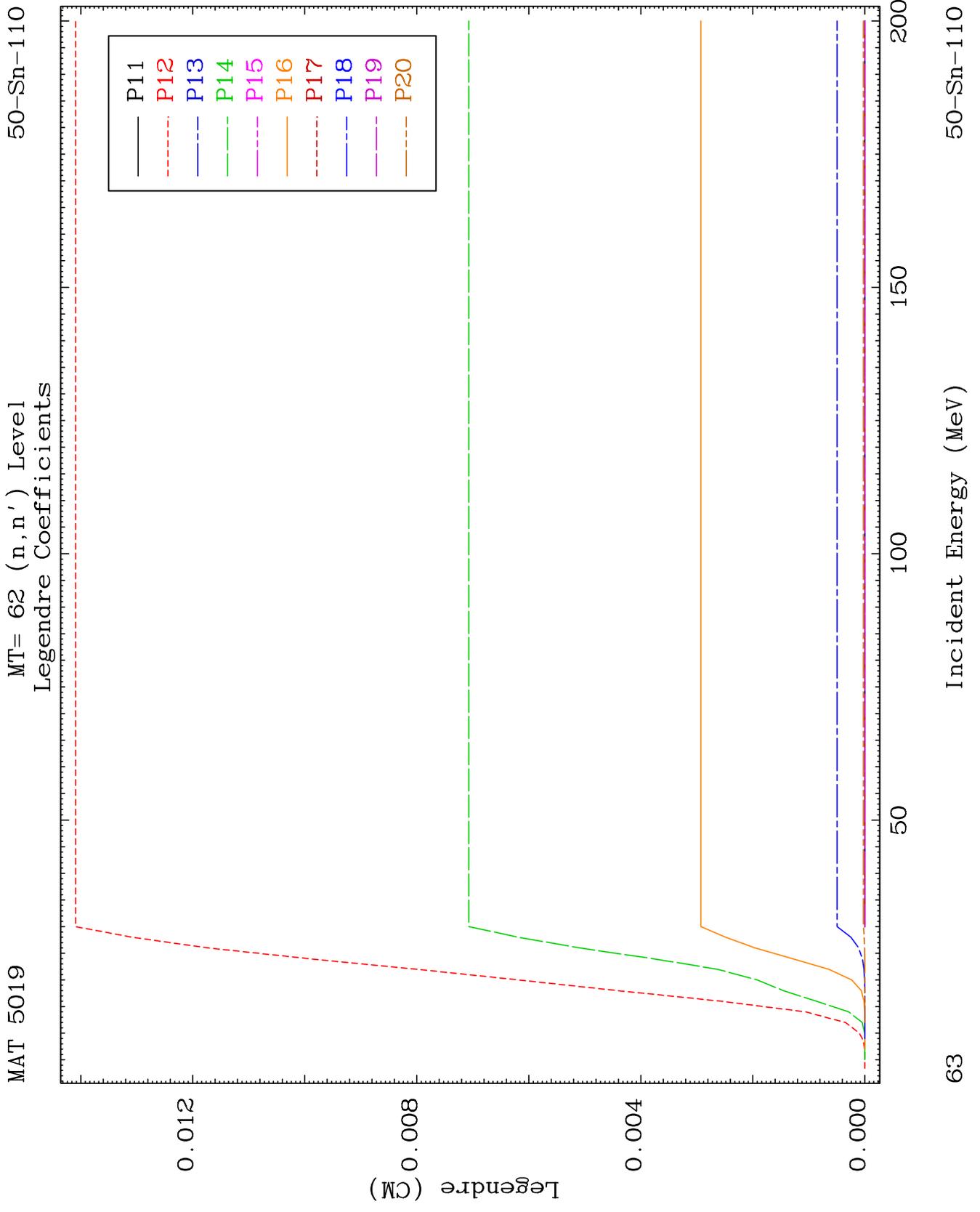
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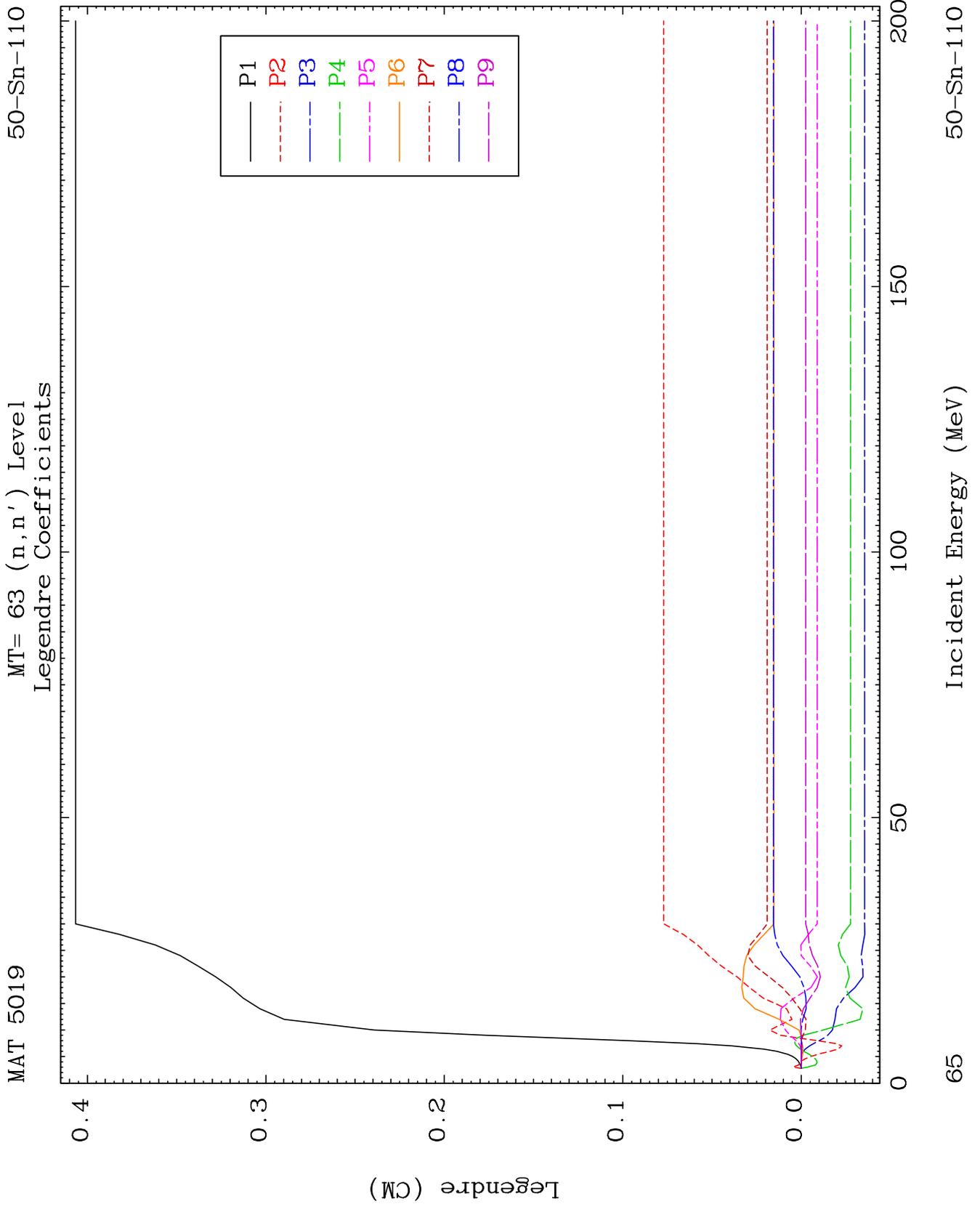
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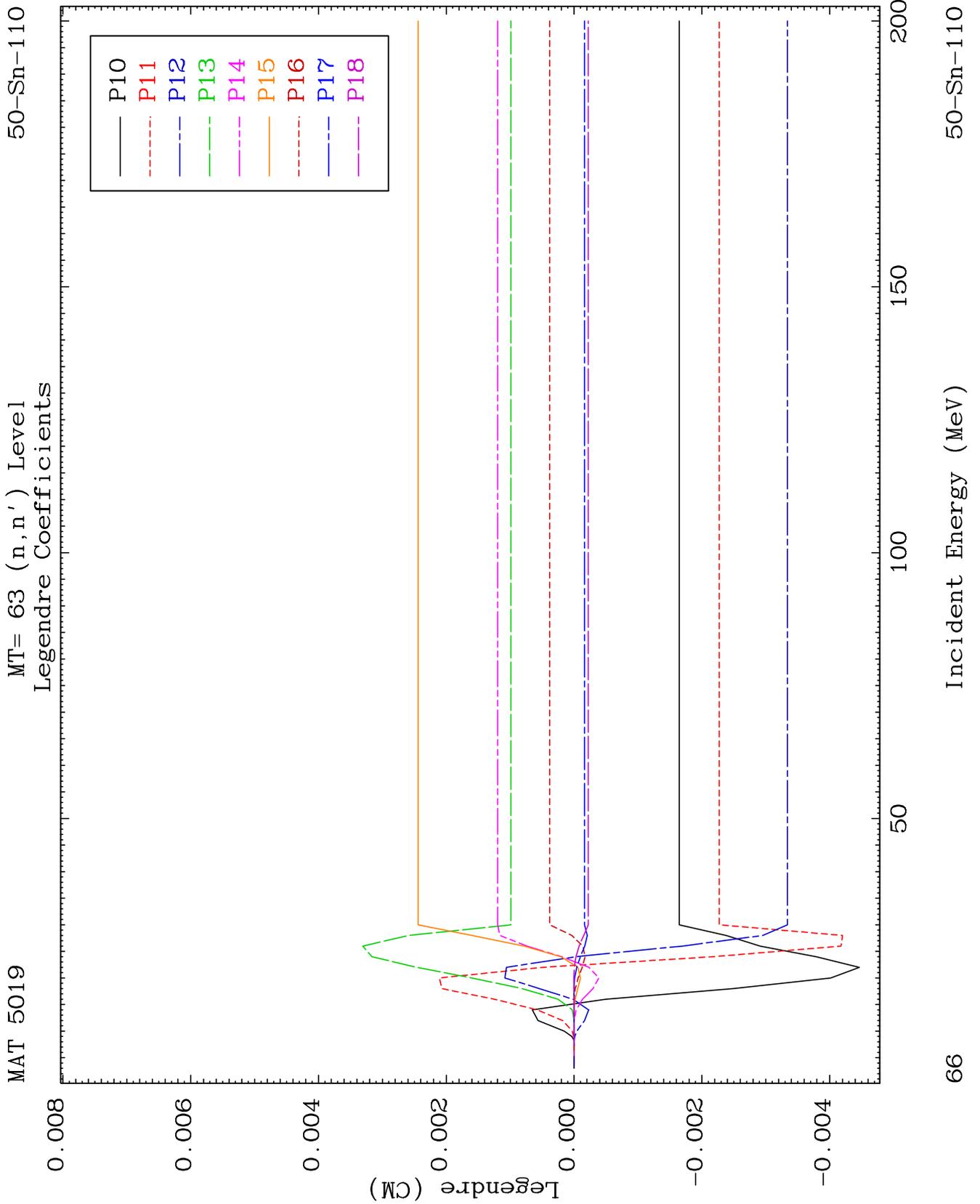


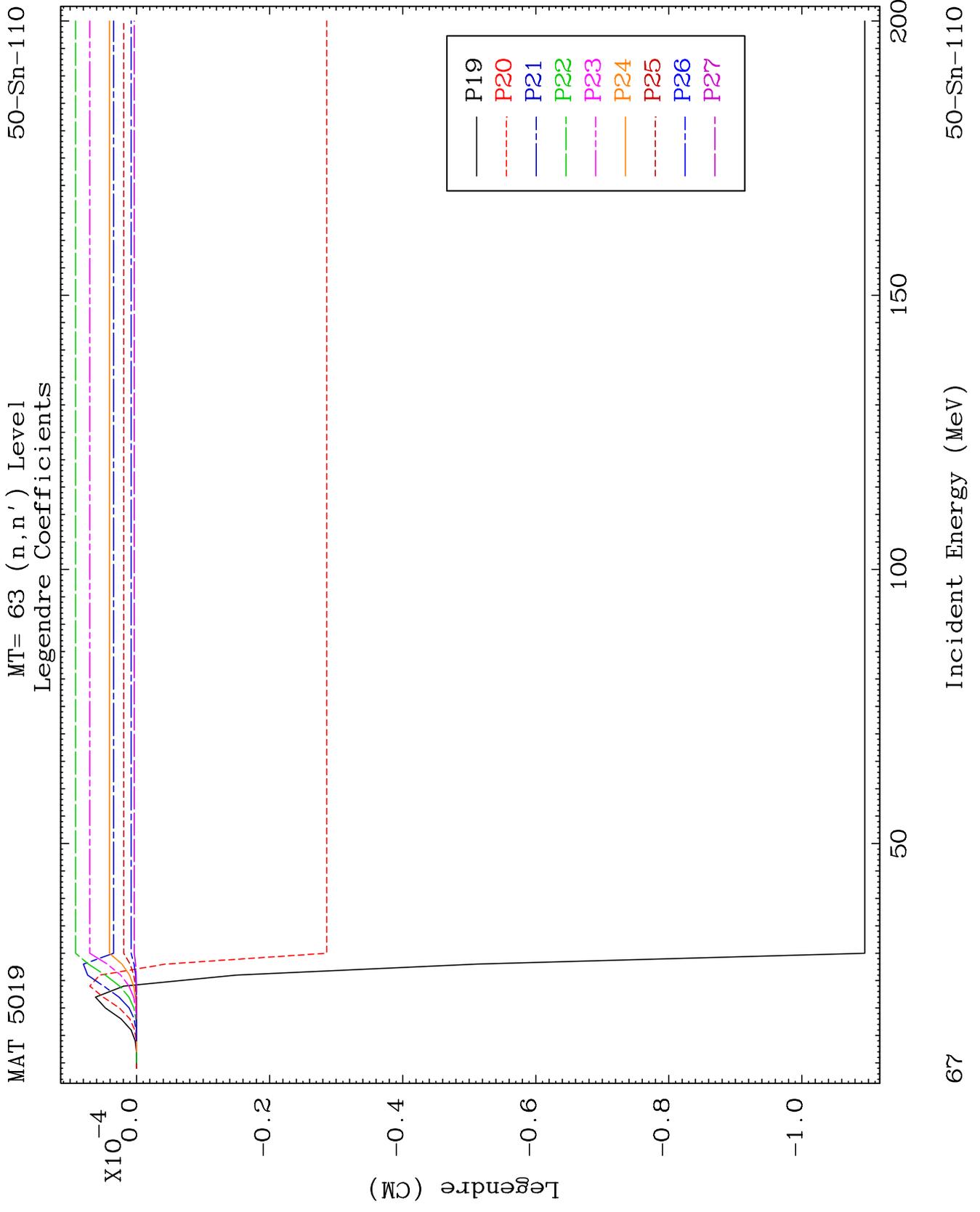








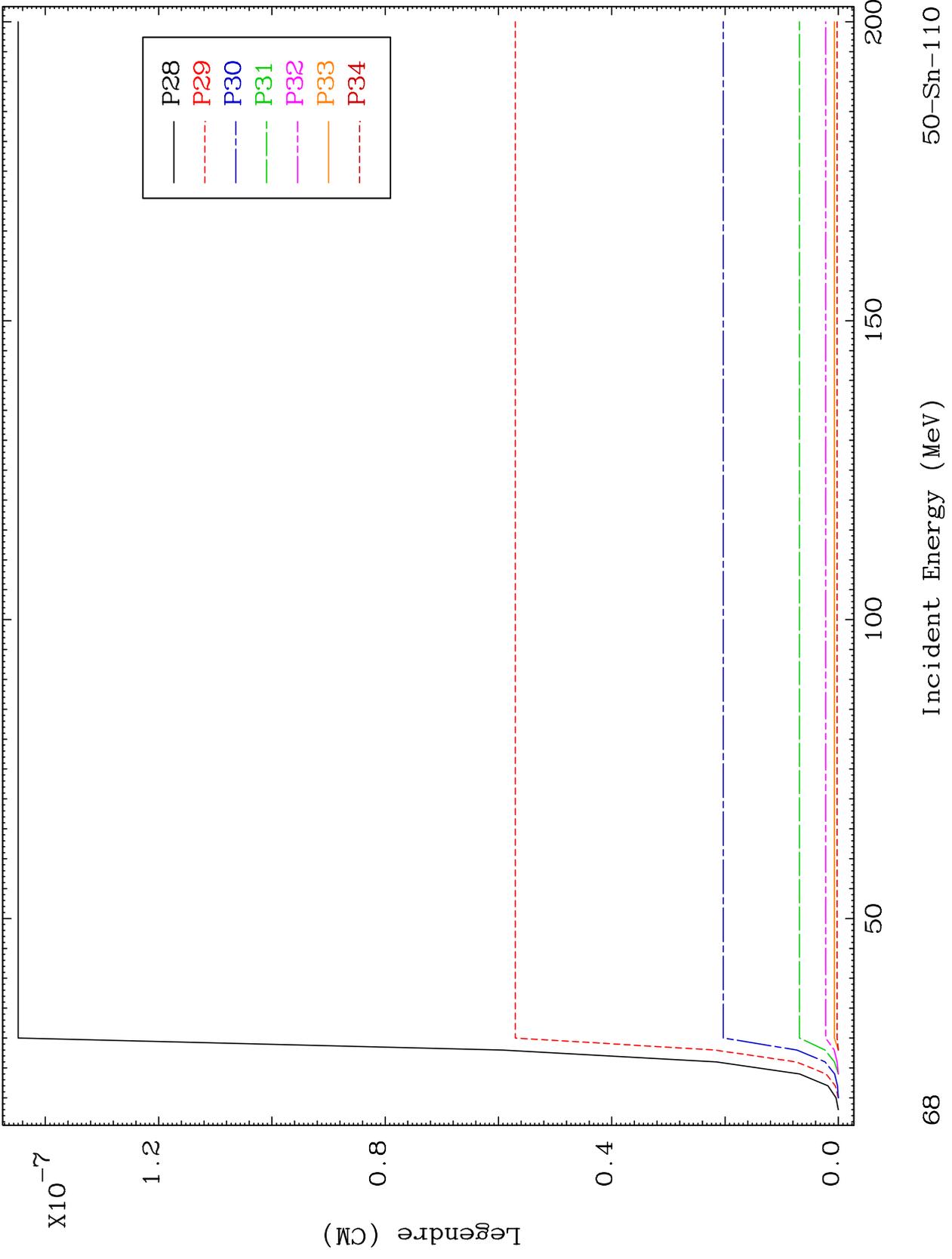




MAT 5019

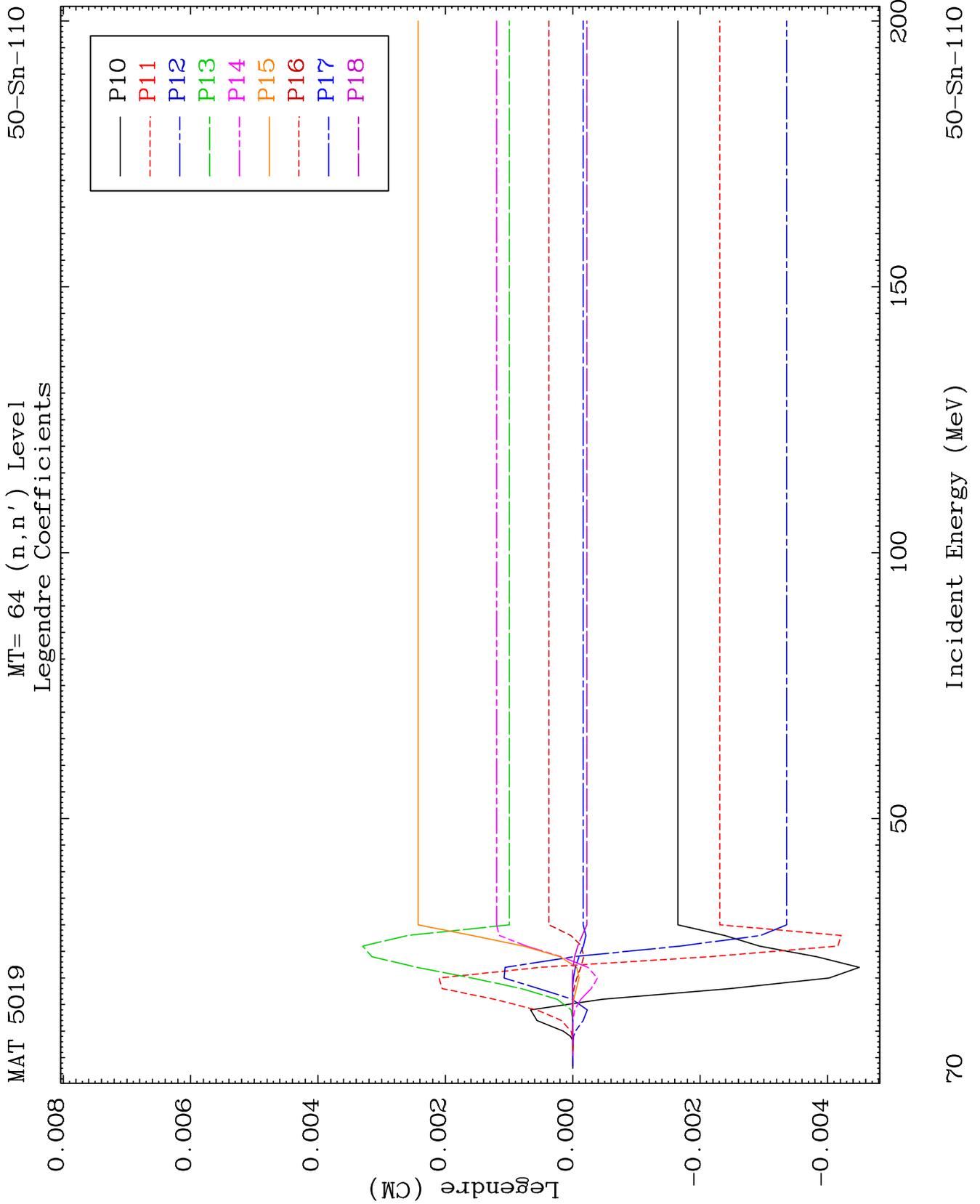
MT= 63 (n,n') Level
Legendre Coefficients

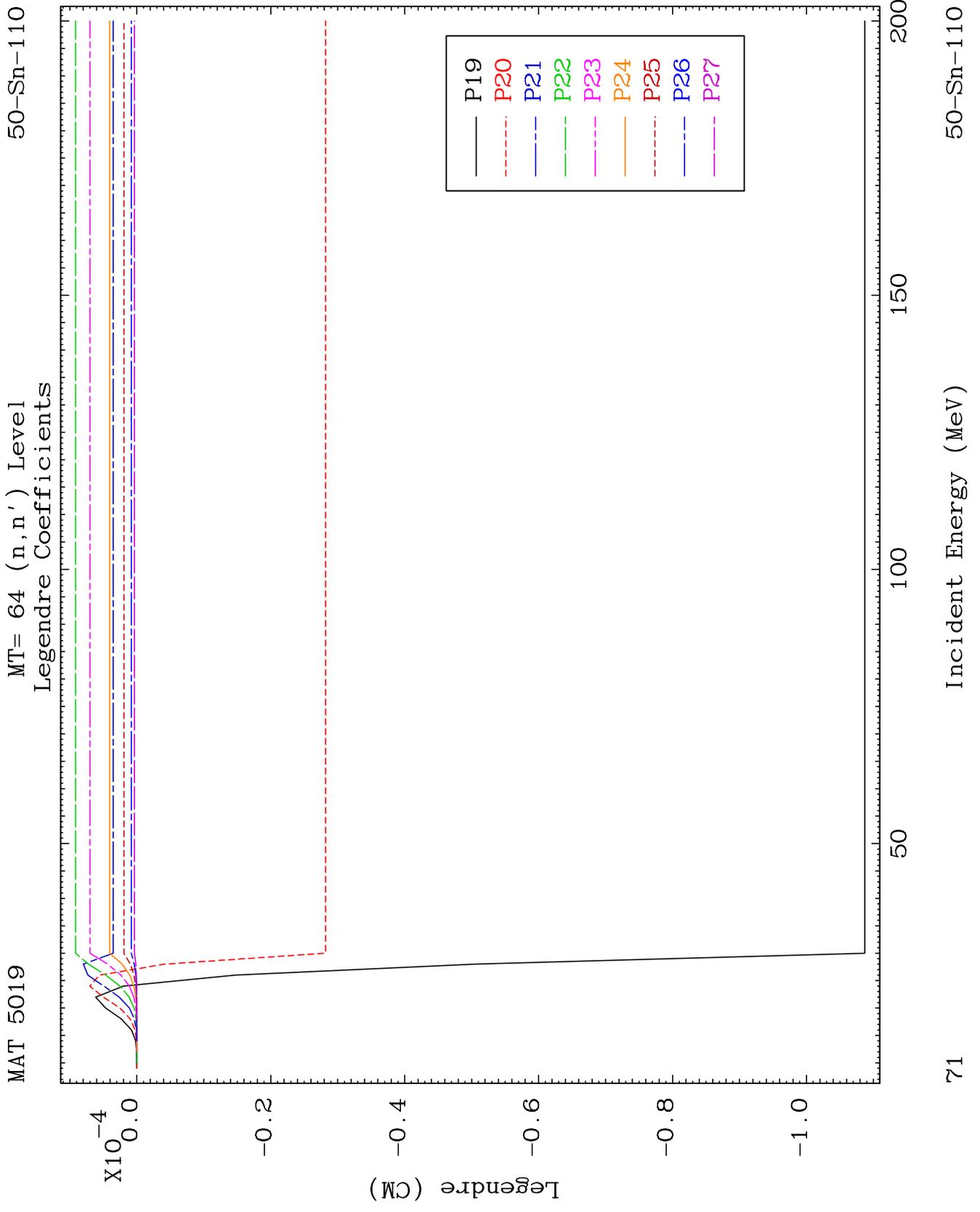
50-Sn-110



68

50-Sn-110

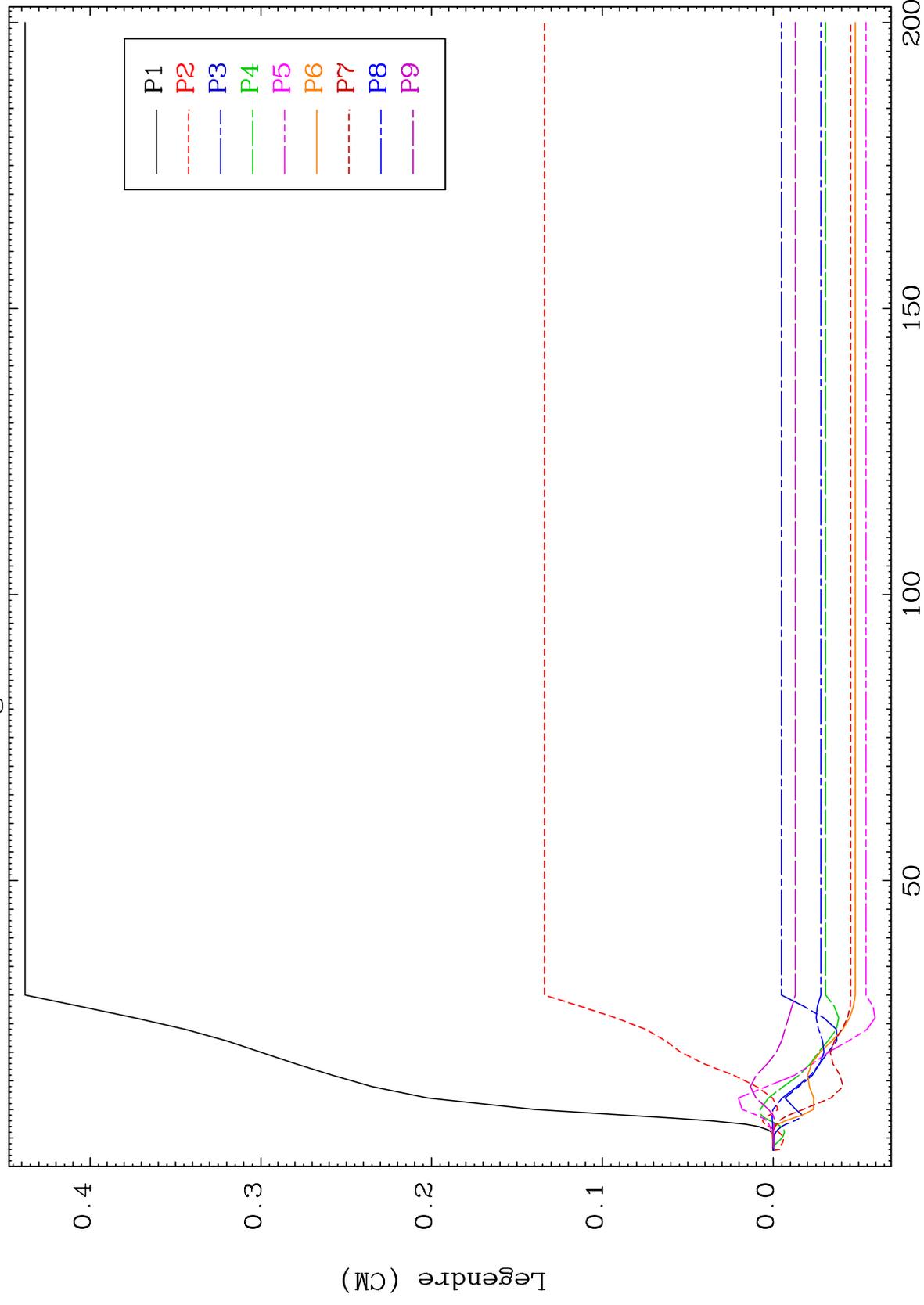




MAT 5019

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Legendre Coefficients

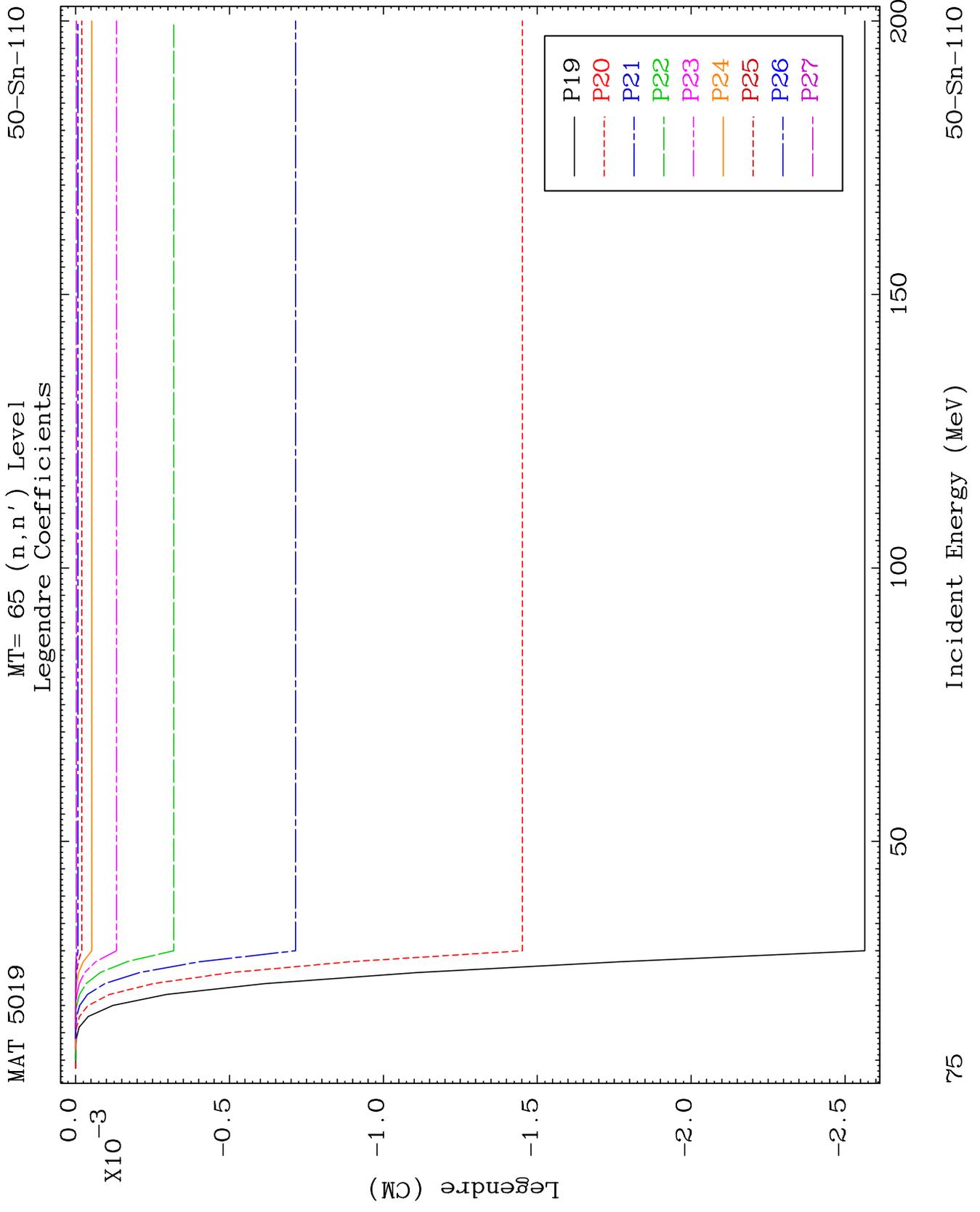
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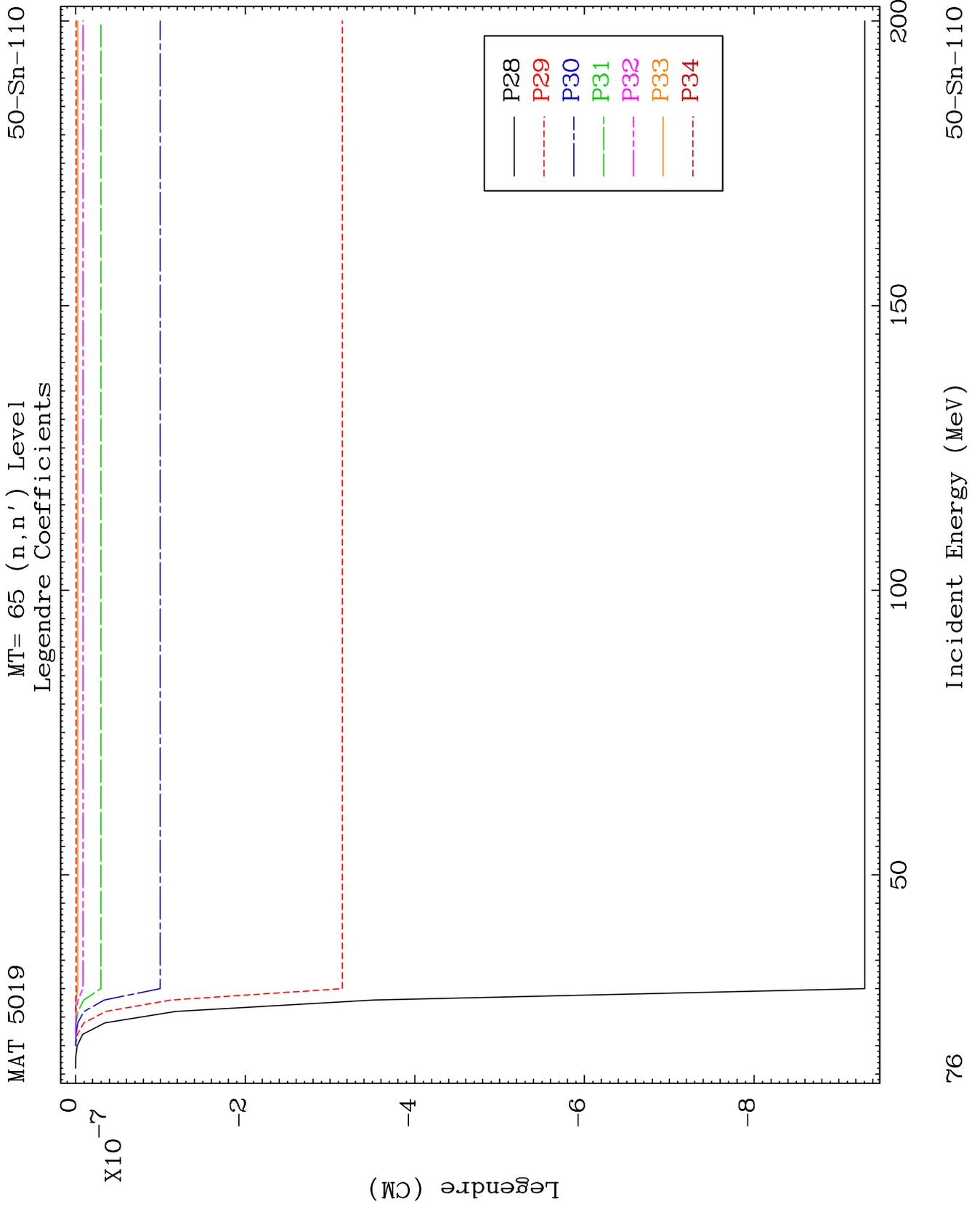


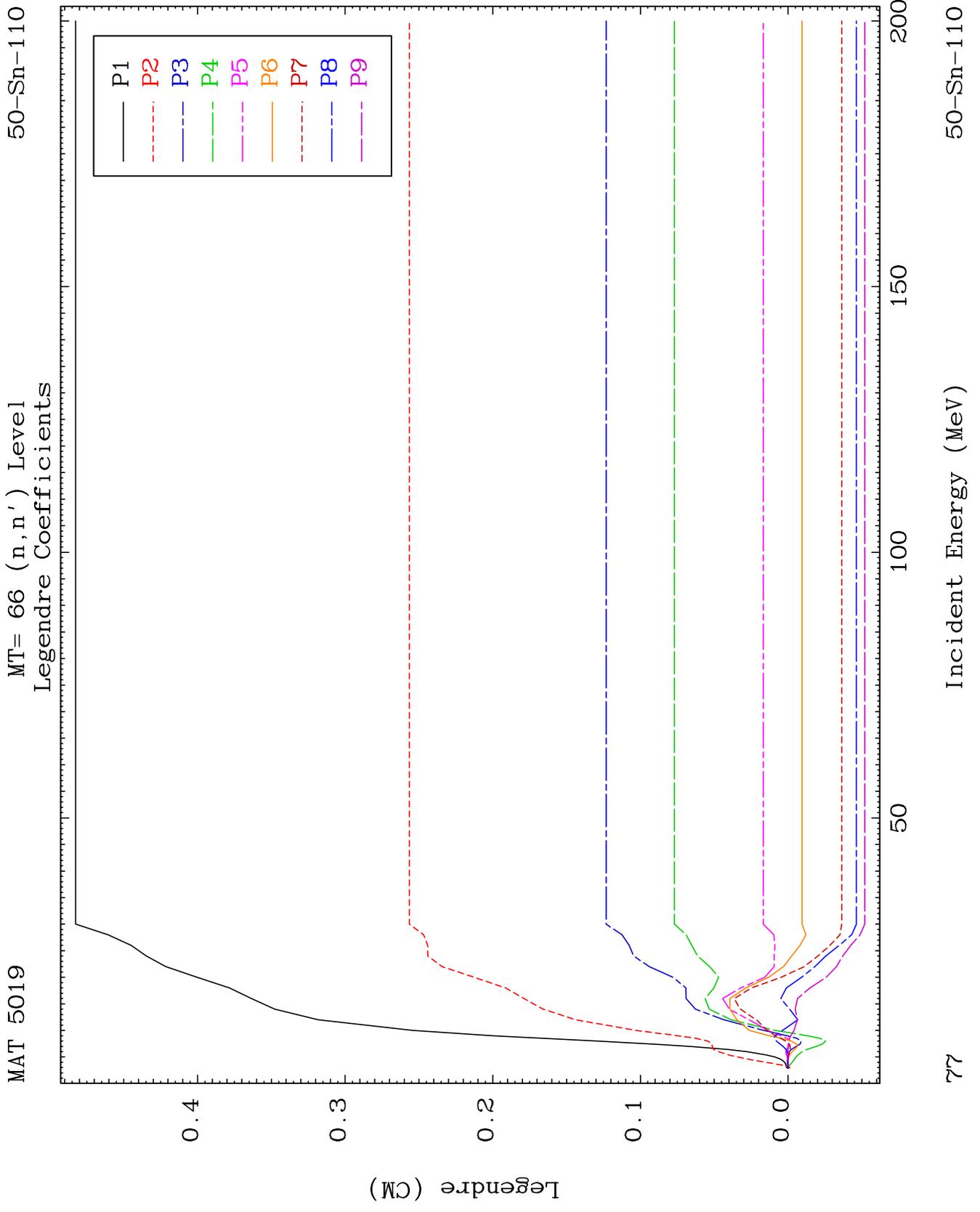
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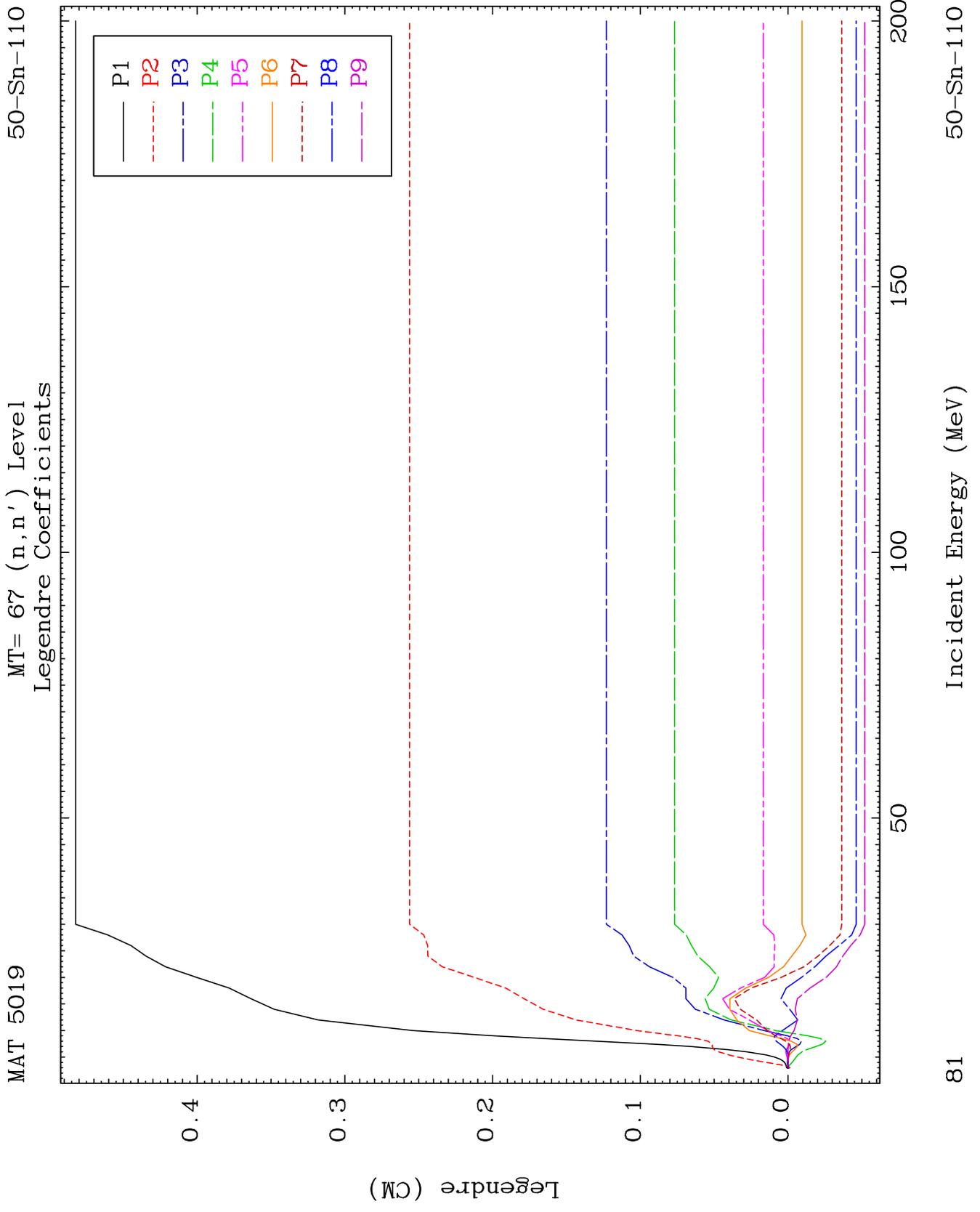
Incident Energy (MeV)

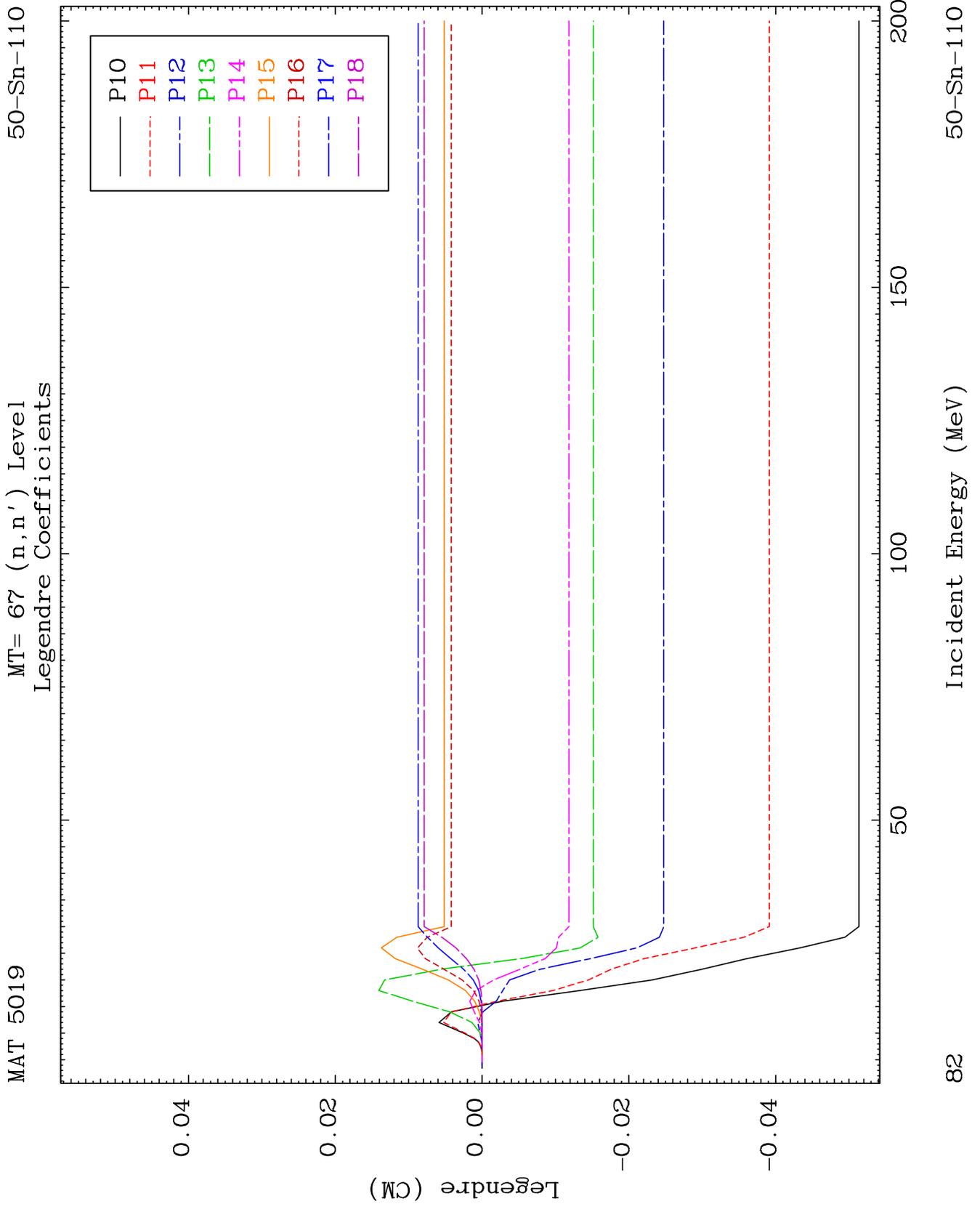
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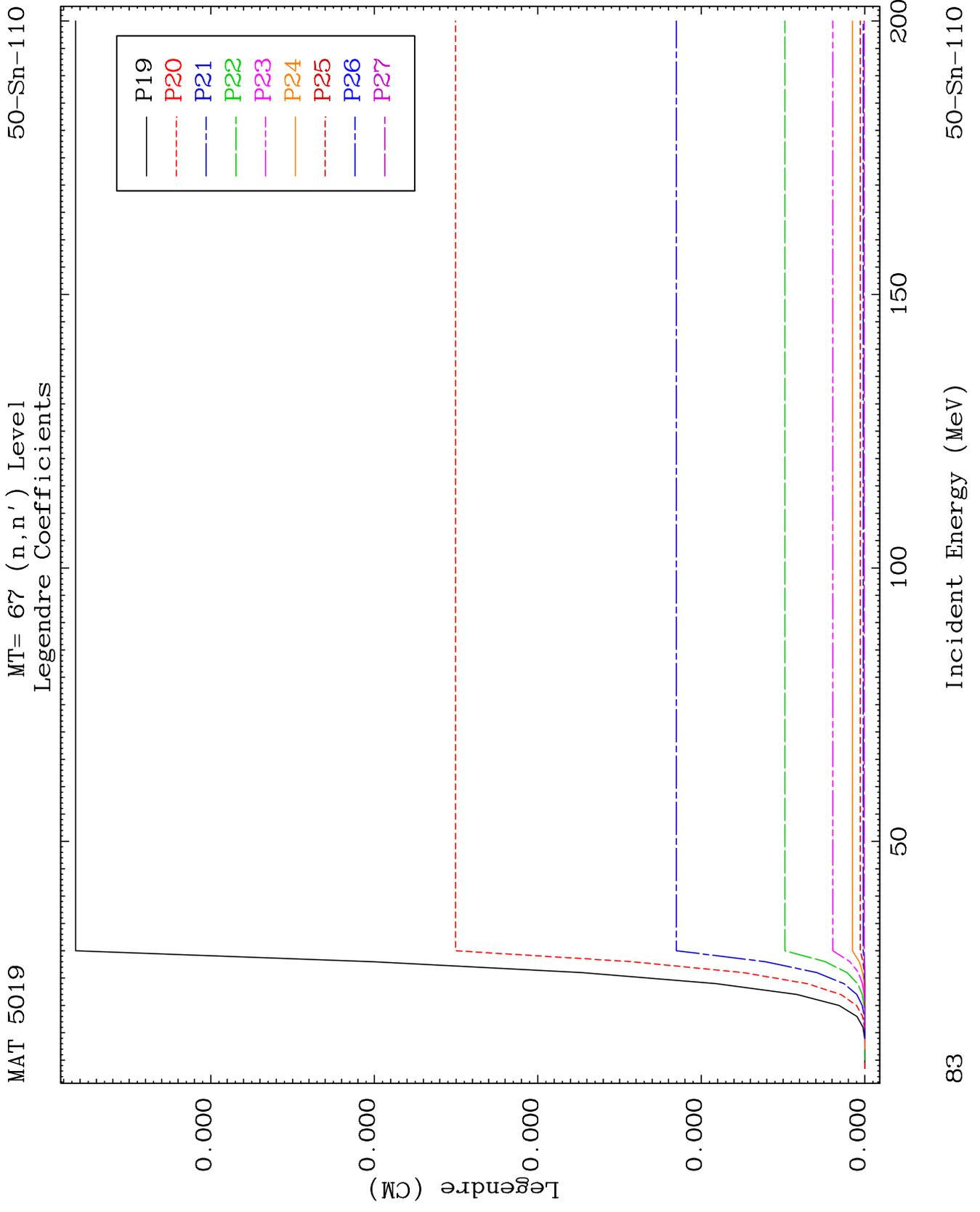


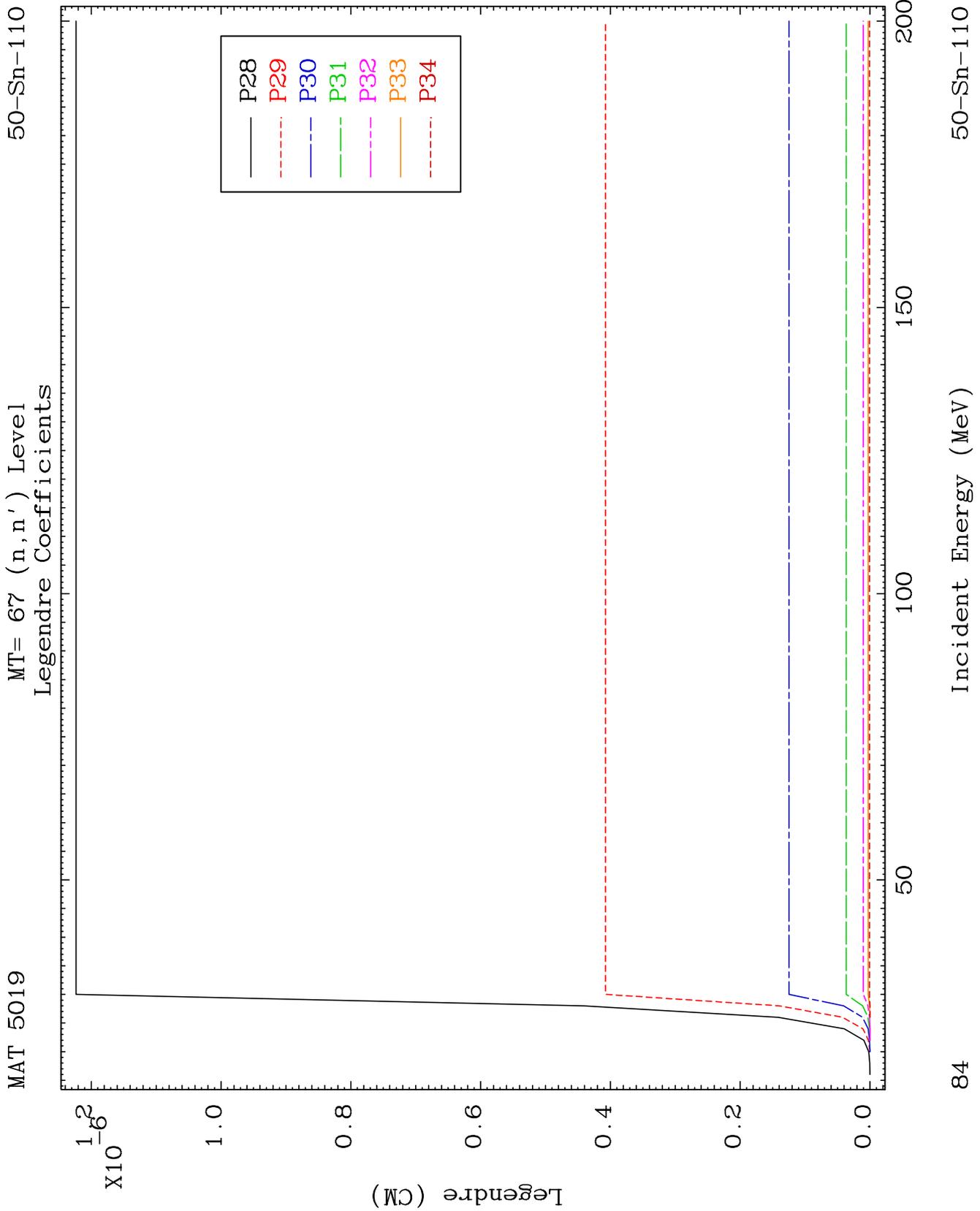


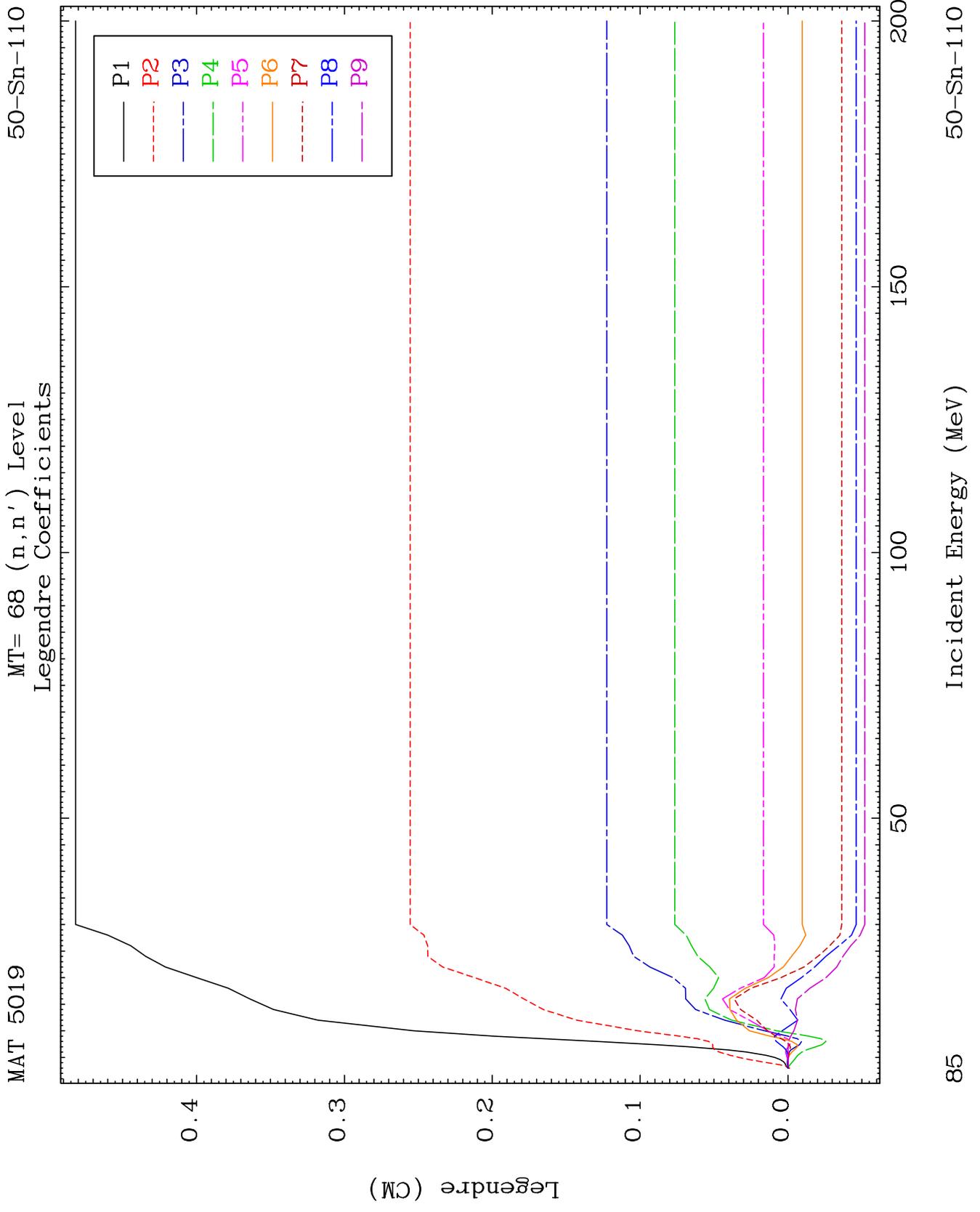


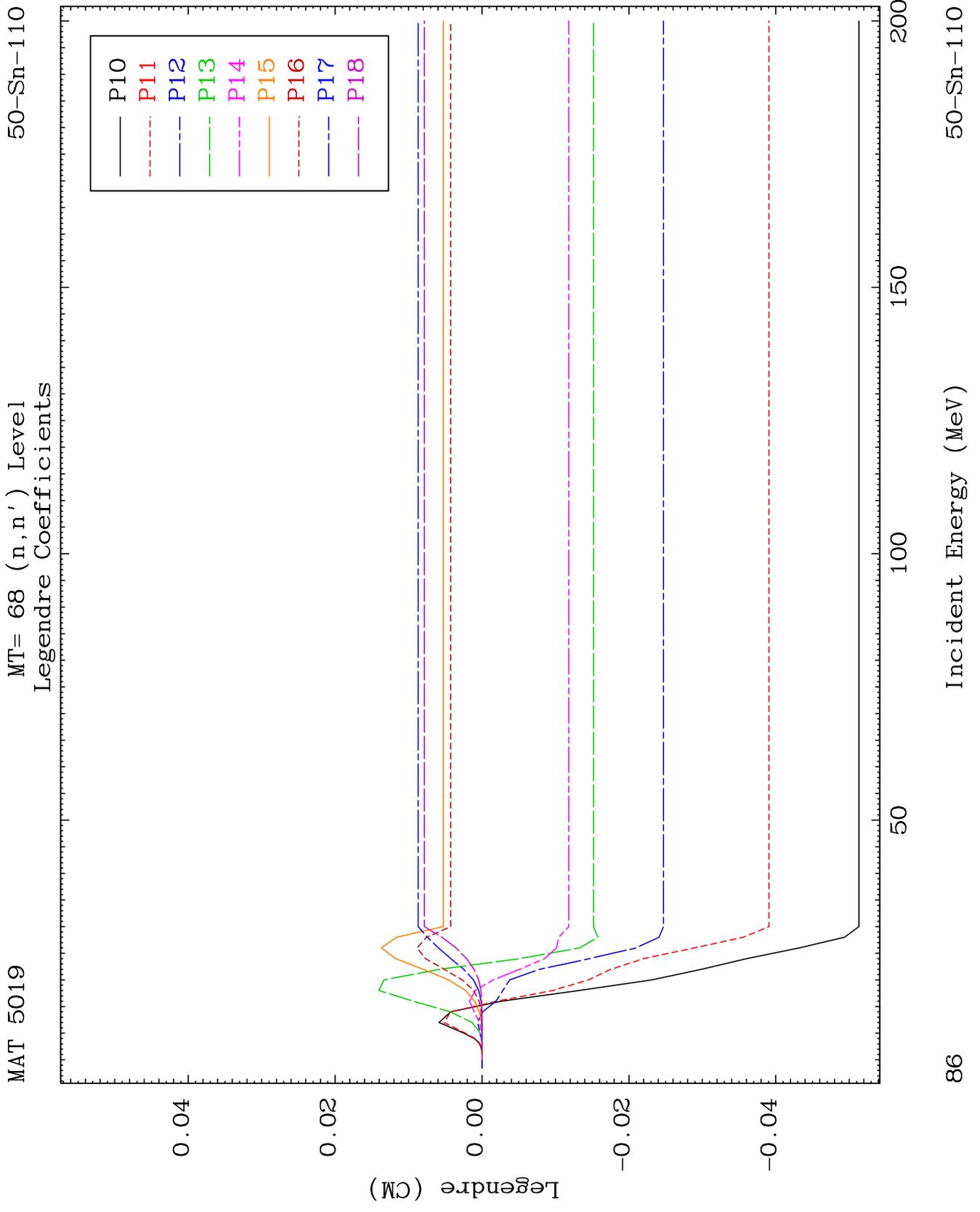


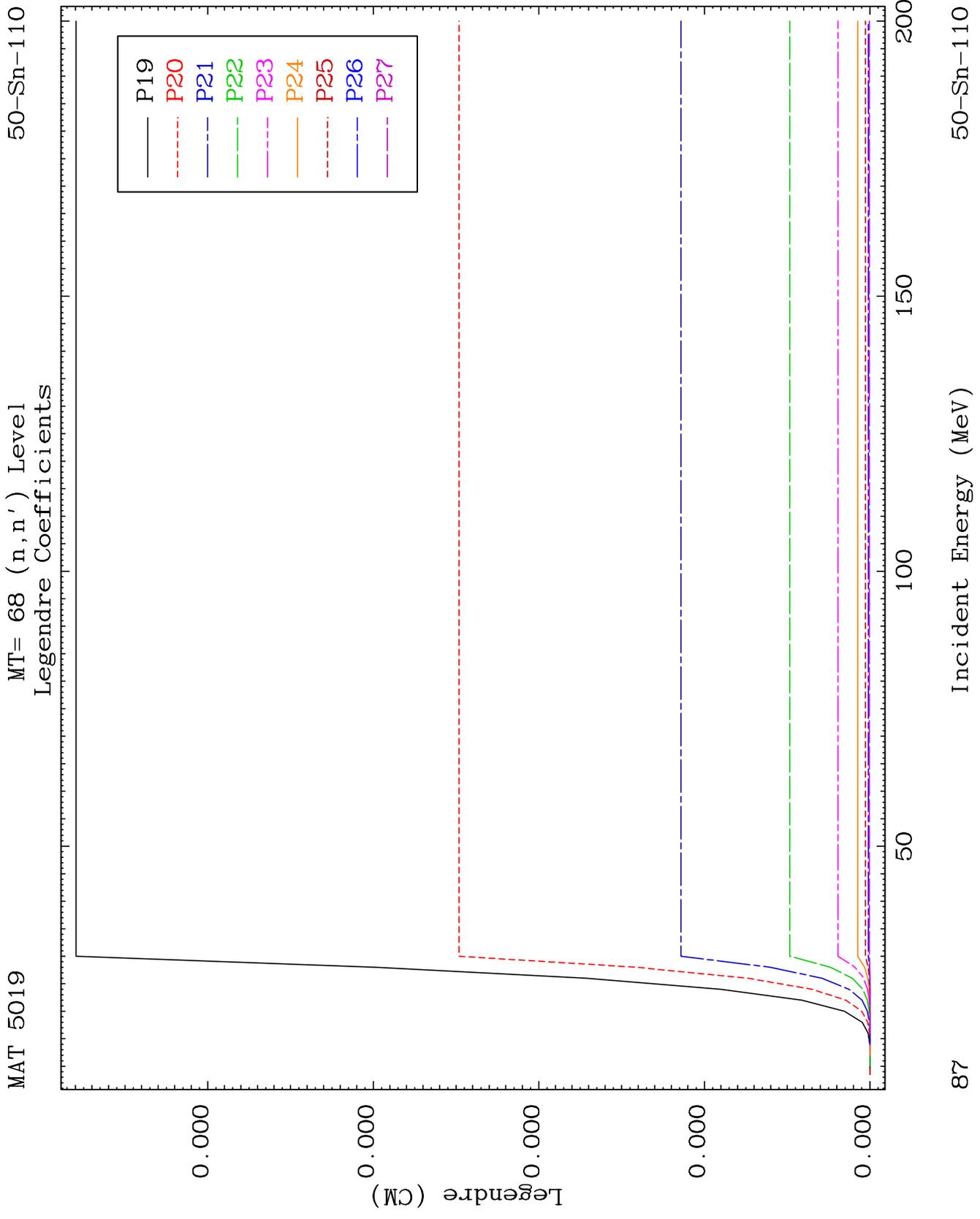


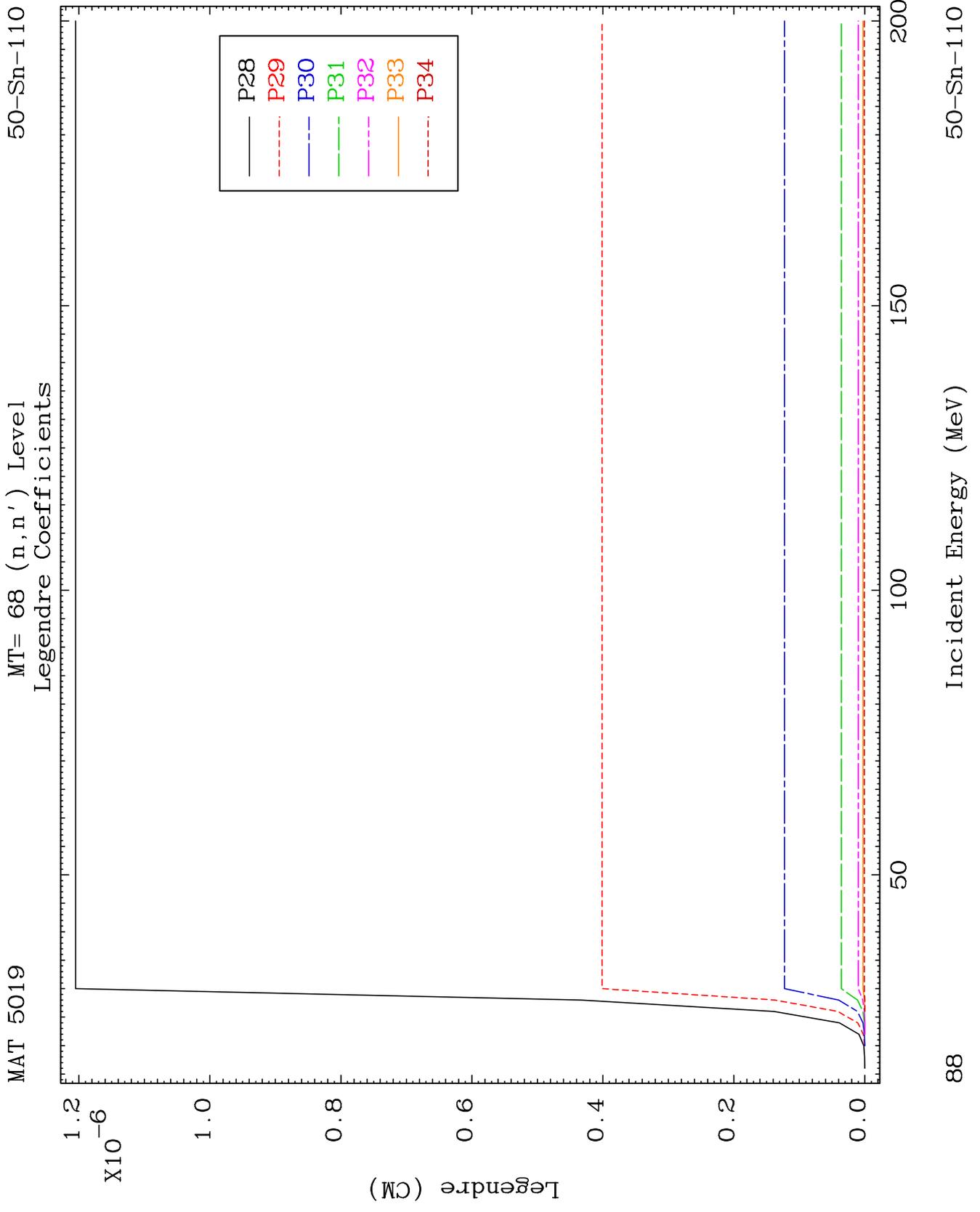


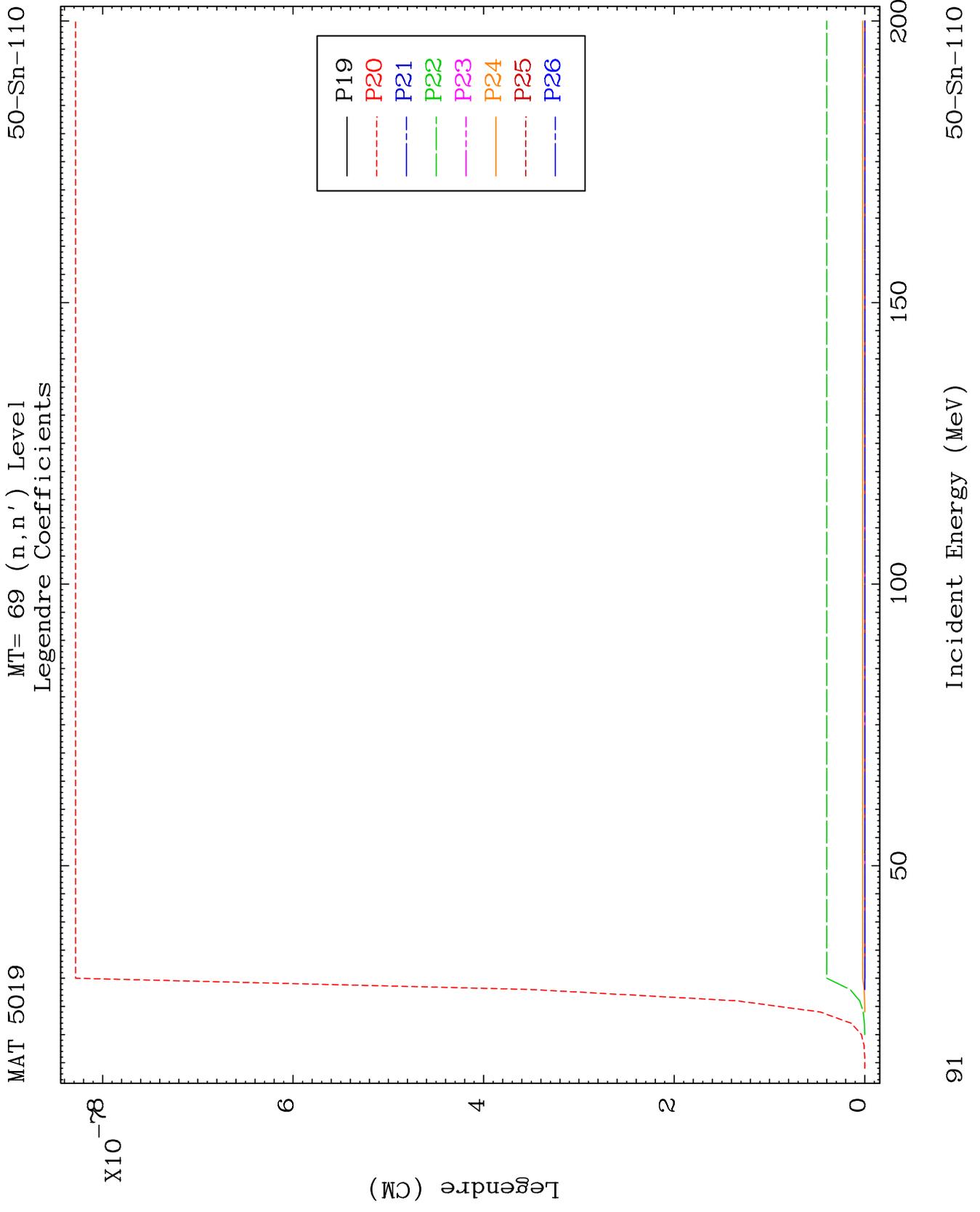


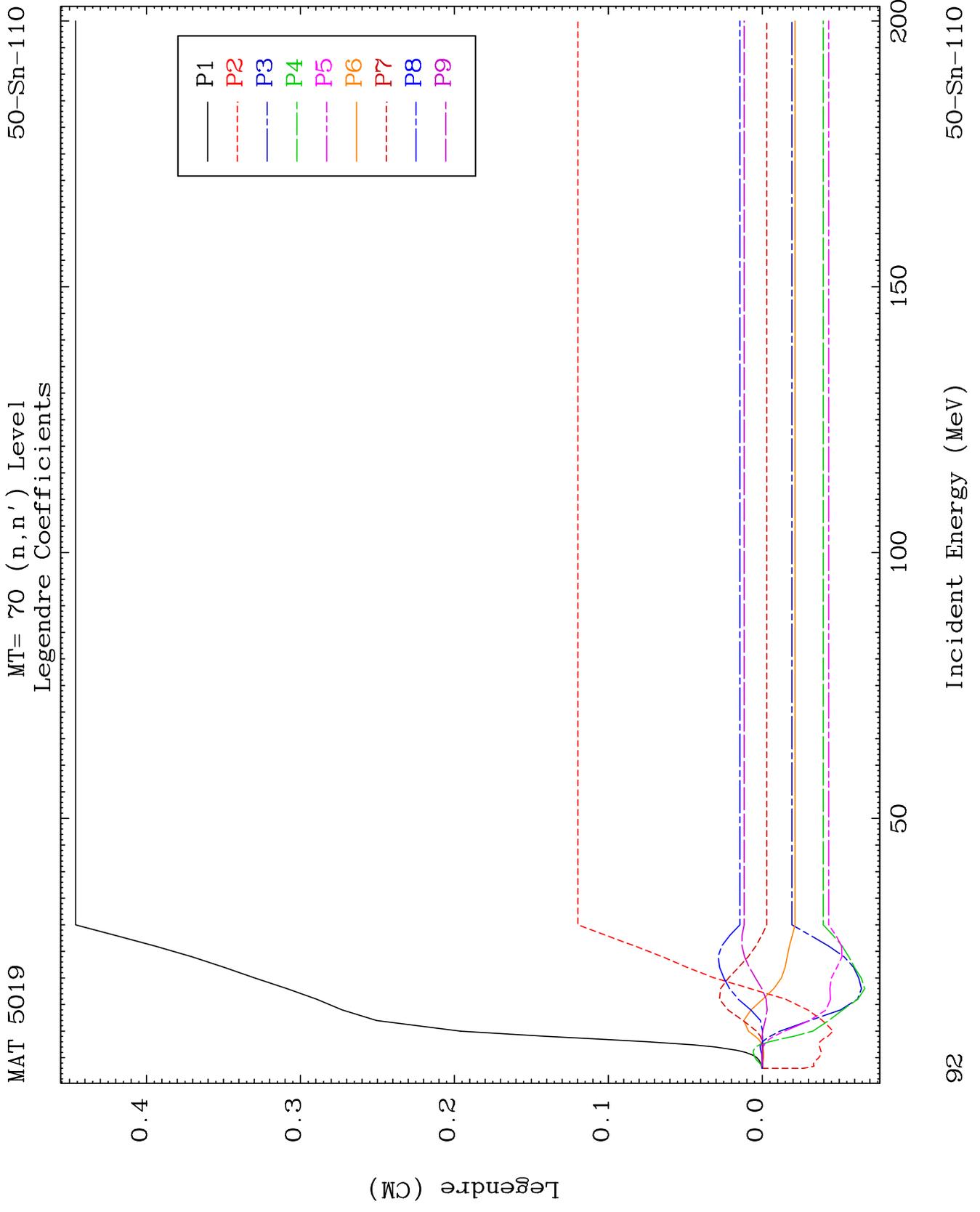


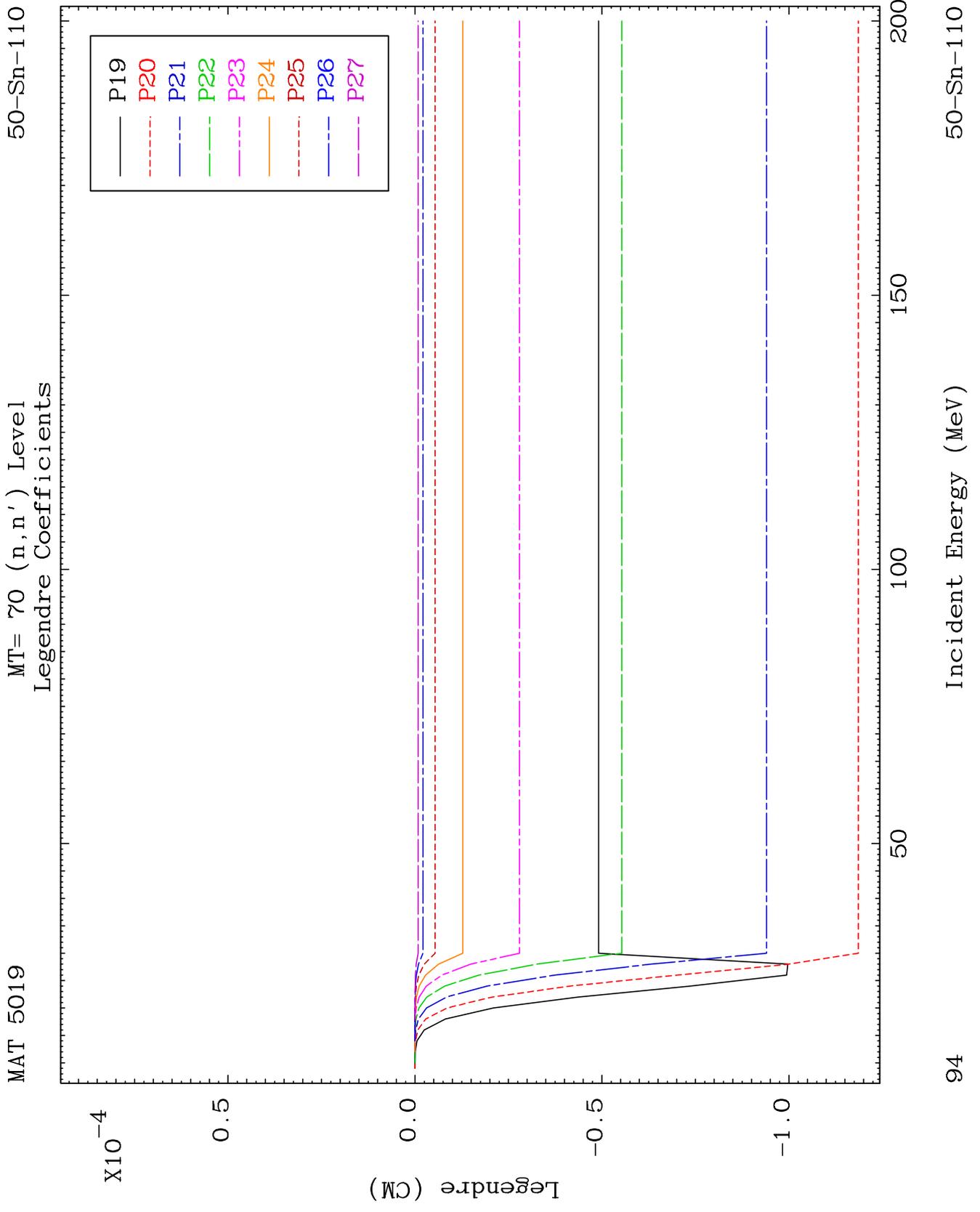


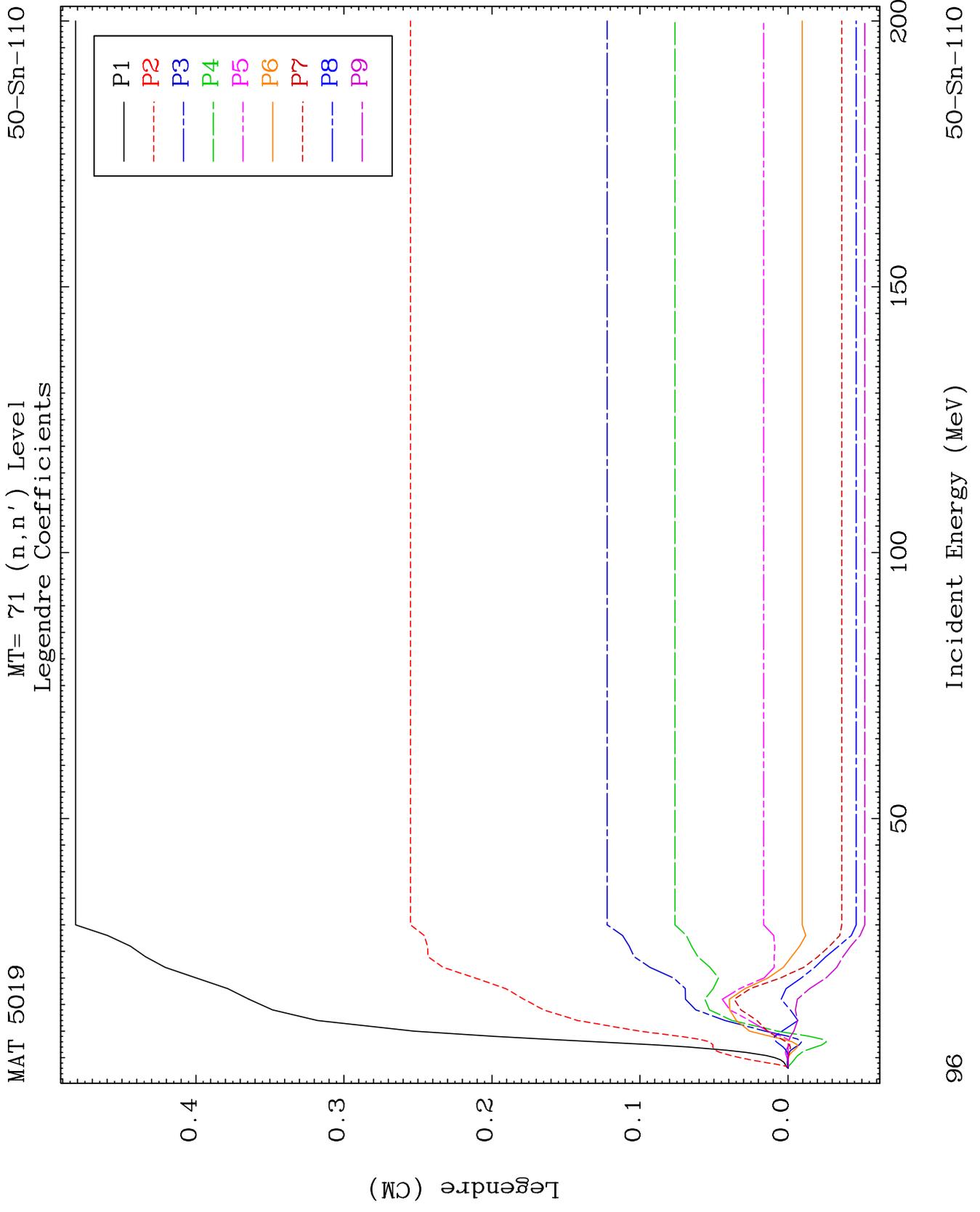








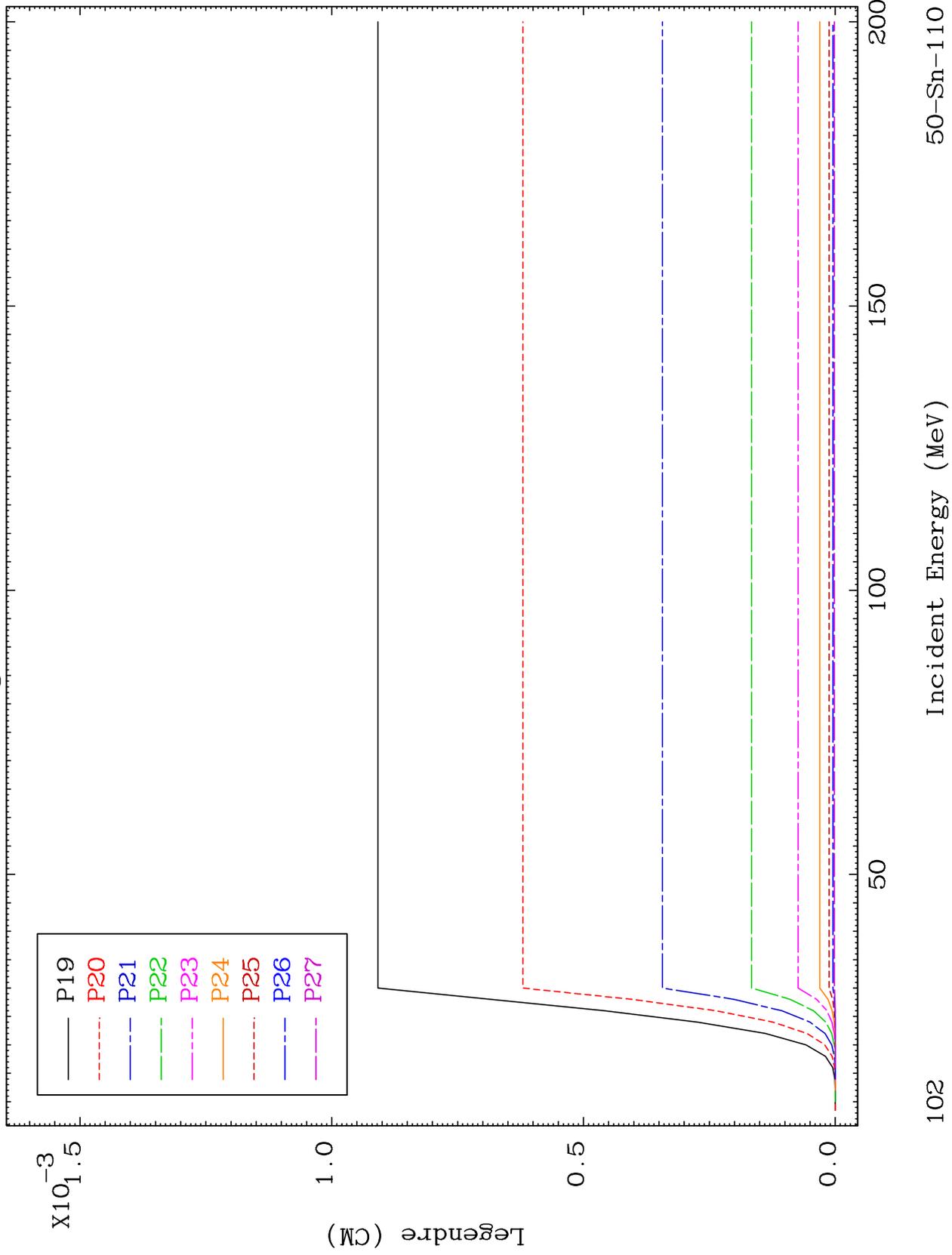




MAT 5019

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

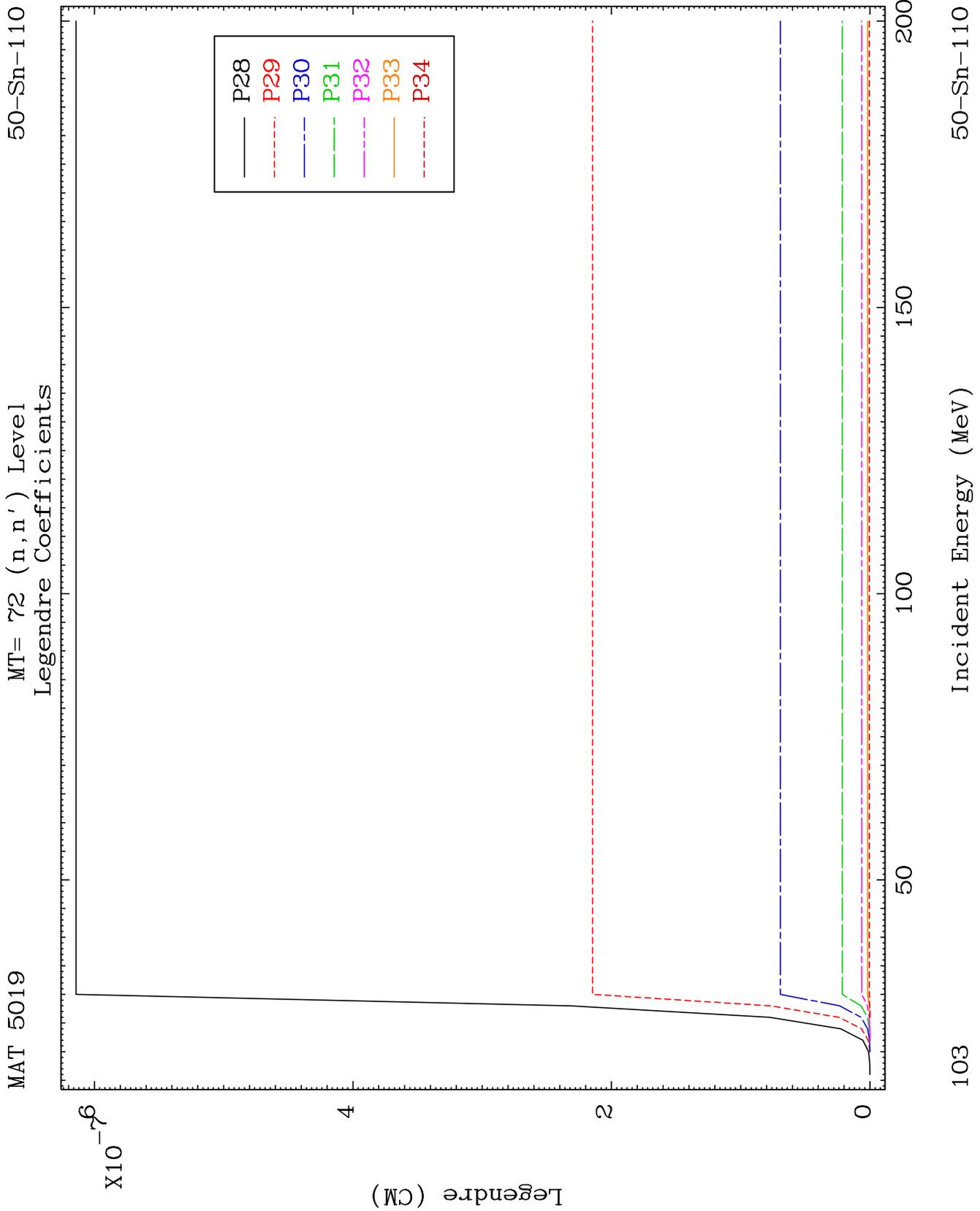
50-Sn-110

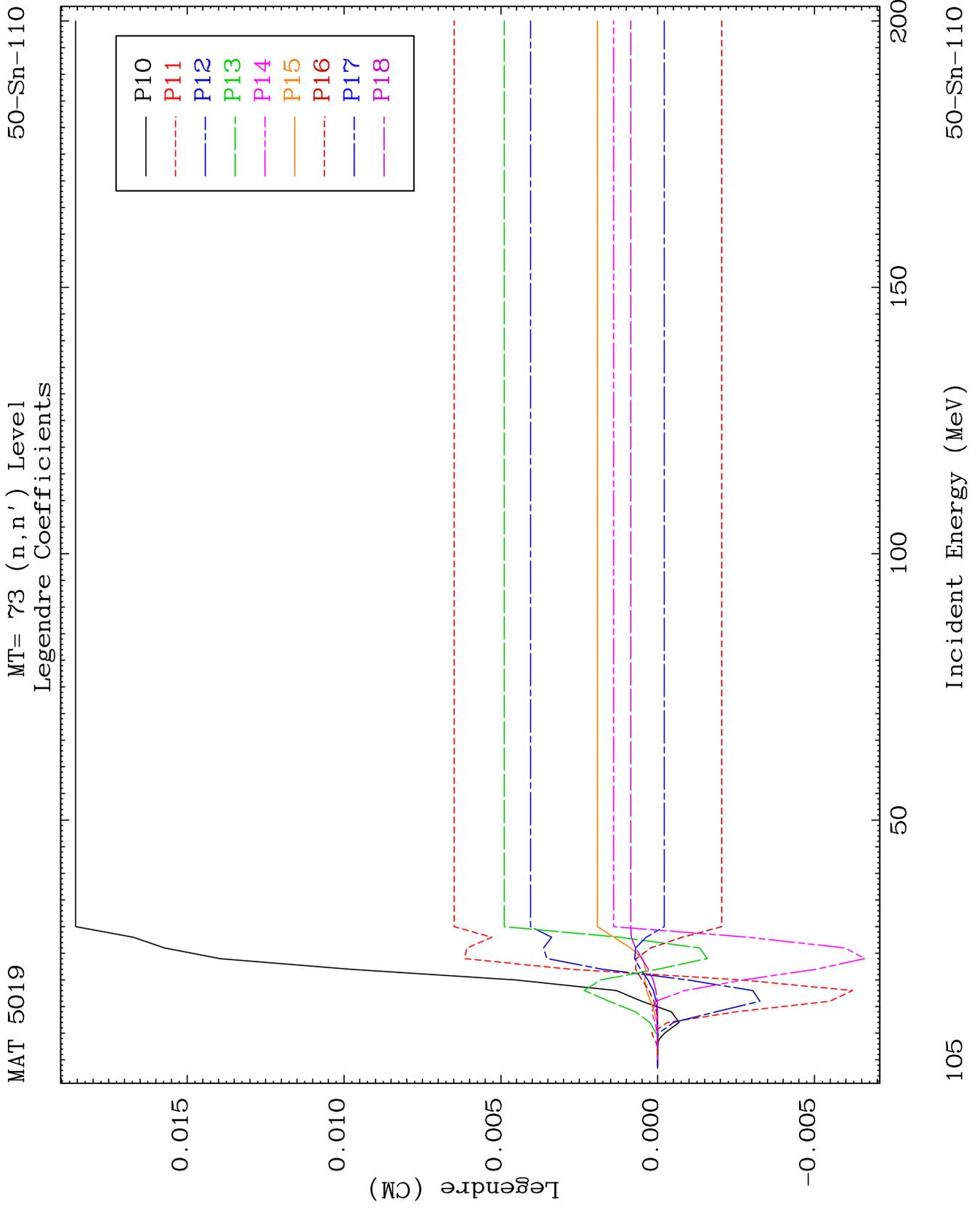


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Incident Energy (MeV)

50-Sn-110

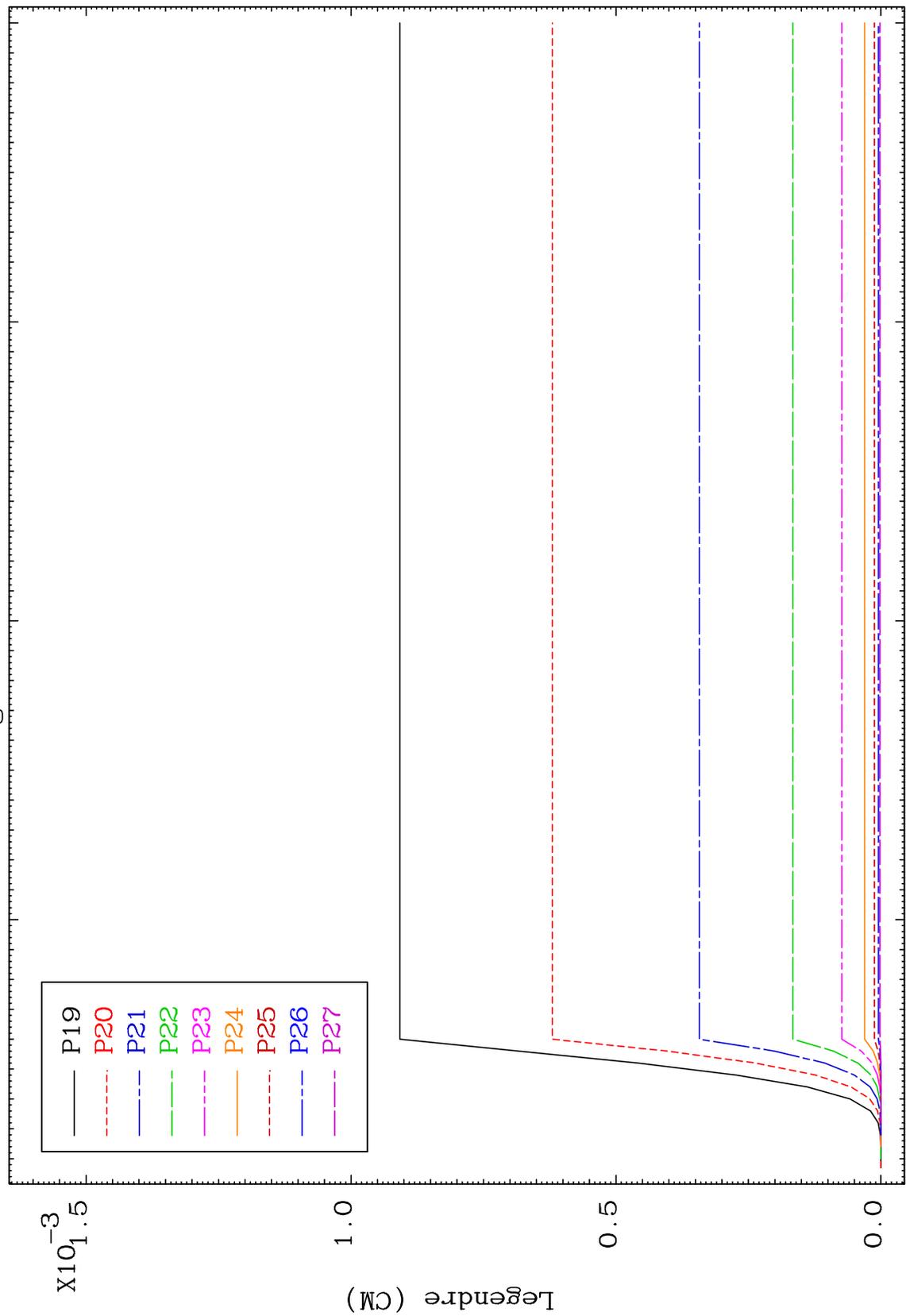
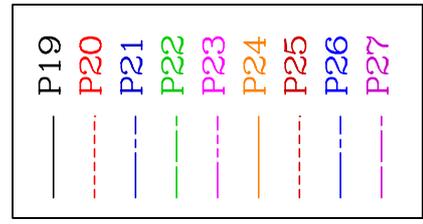




MAT 5019

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

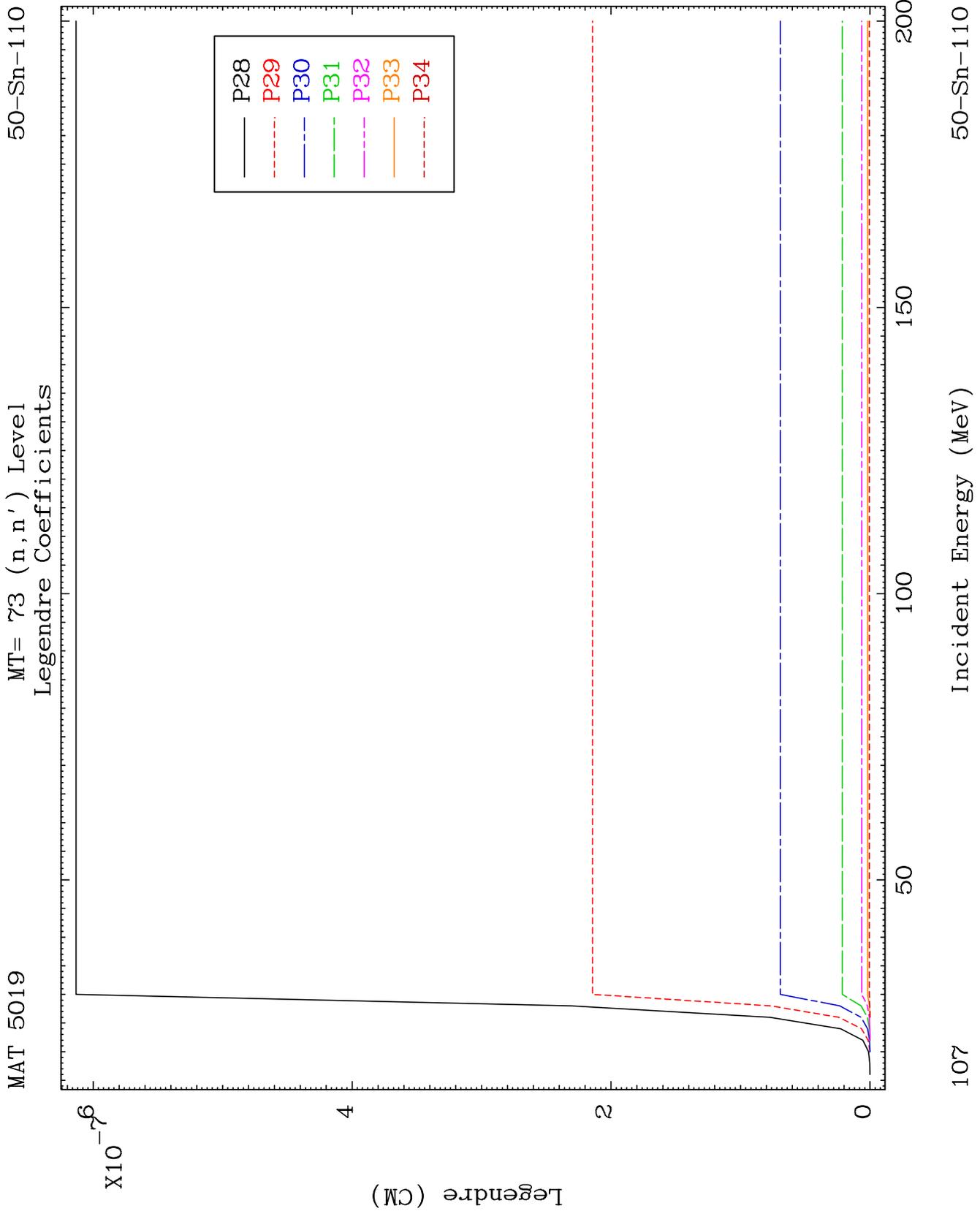
50-Sn-110

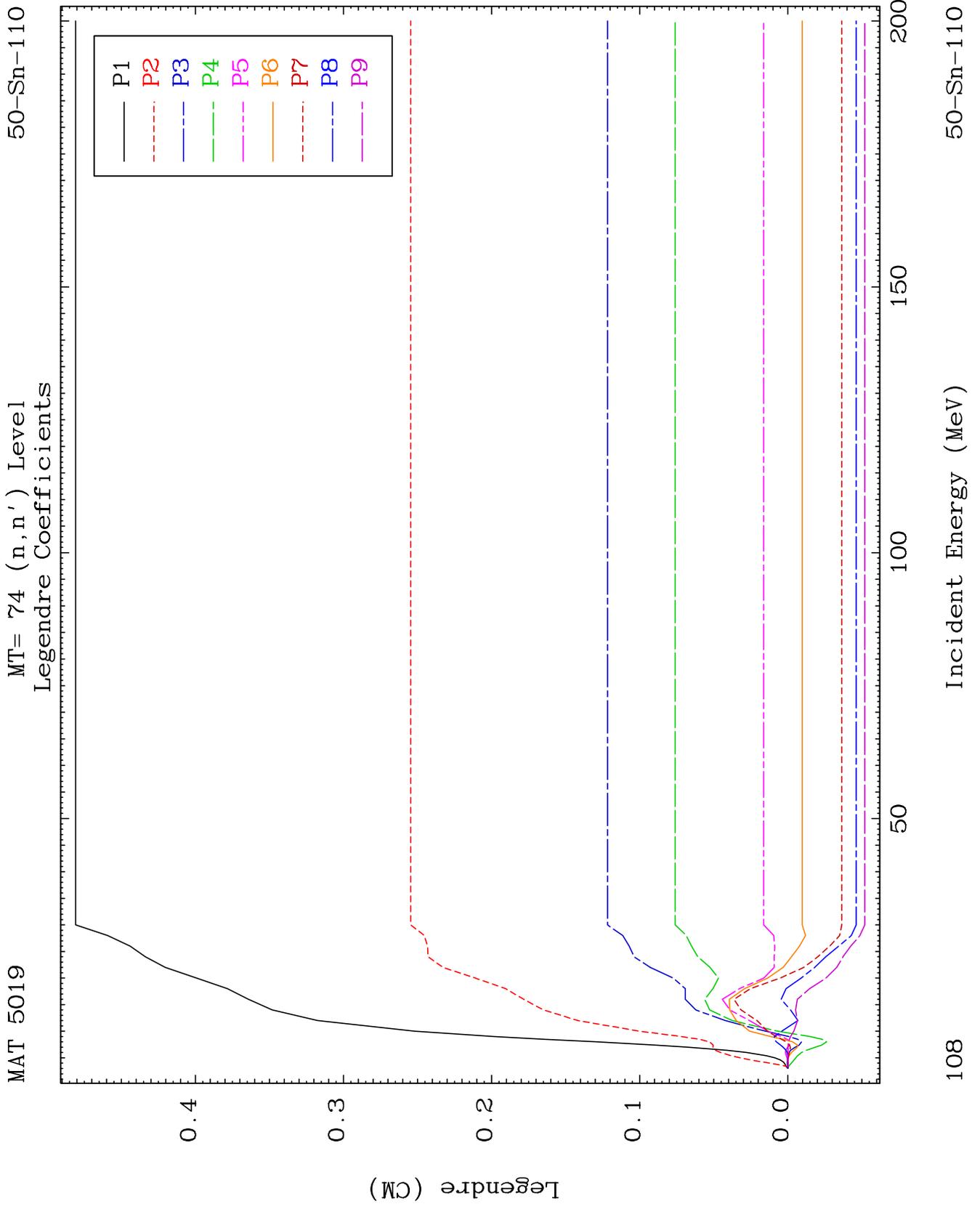


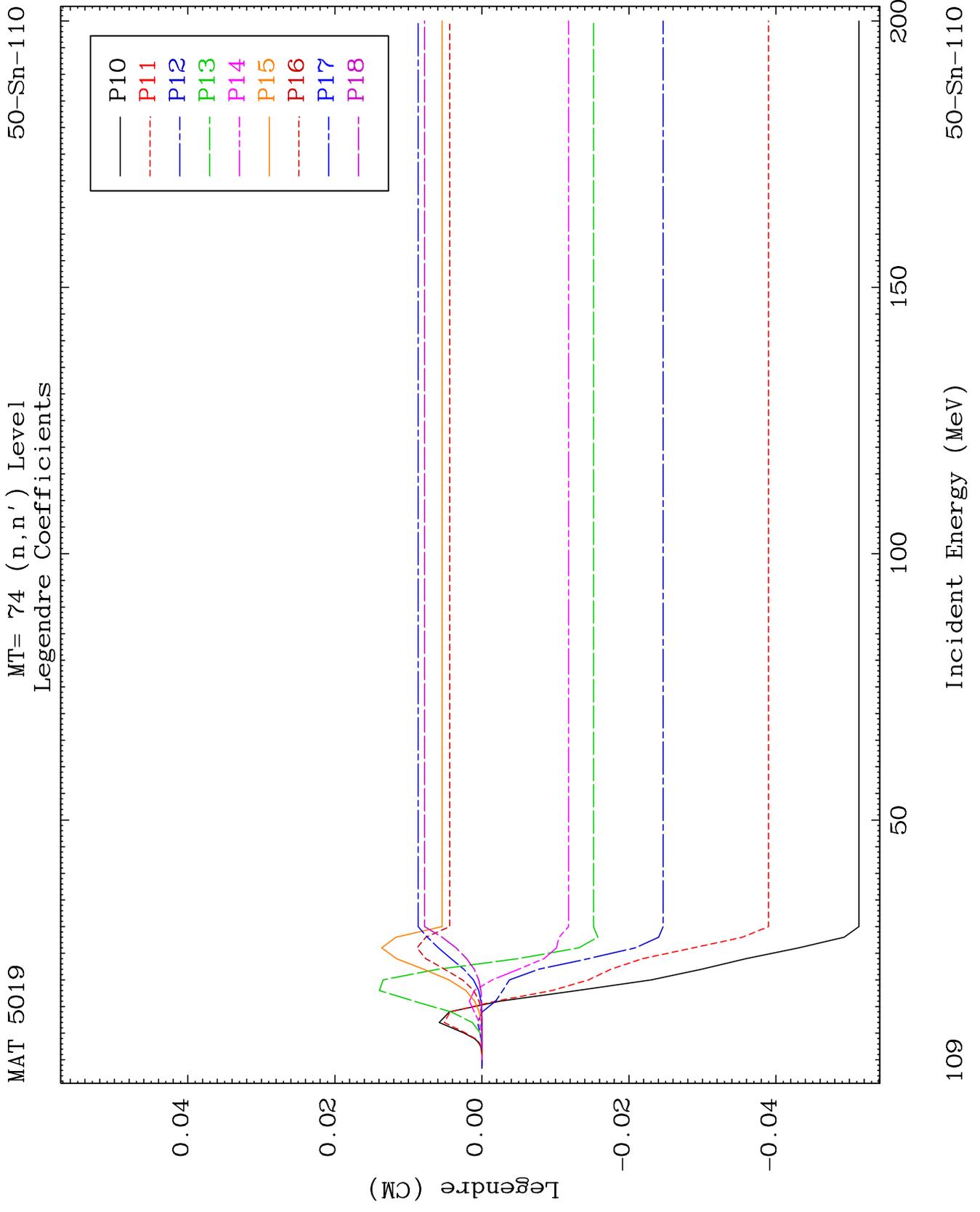
106

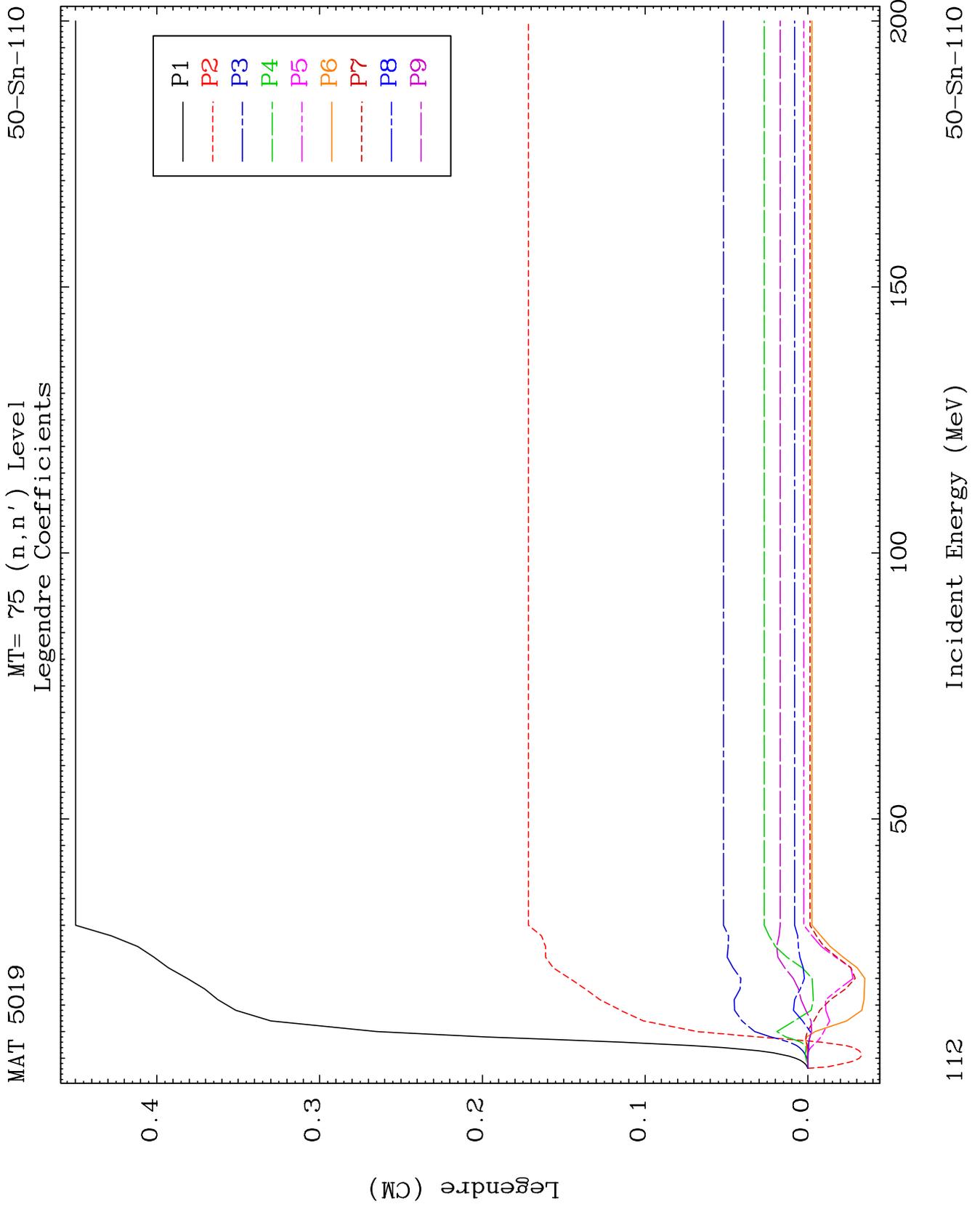
Incident Energy (MeV)

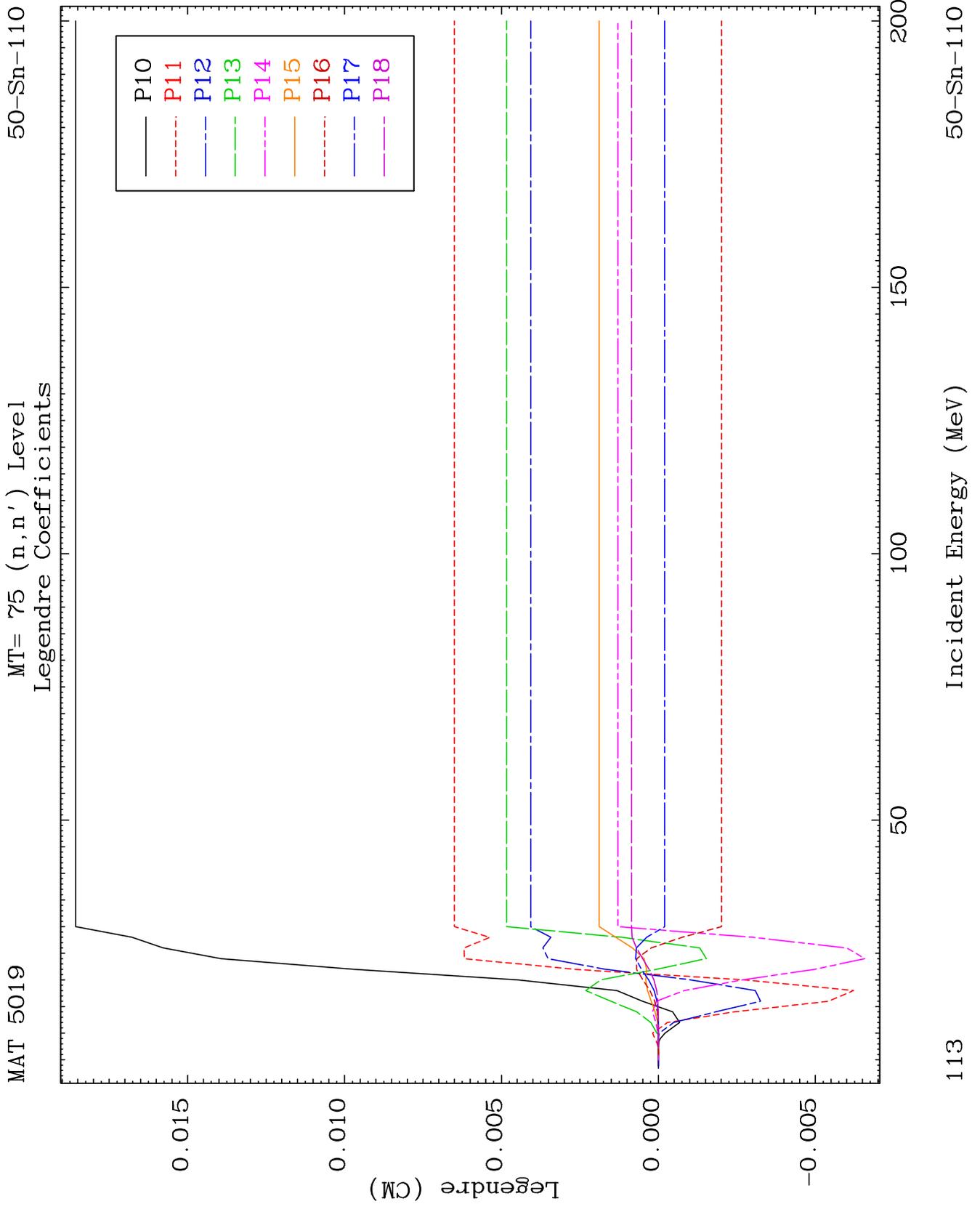
50-Sn-110

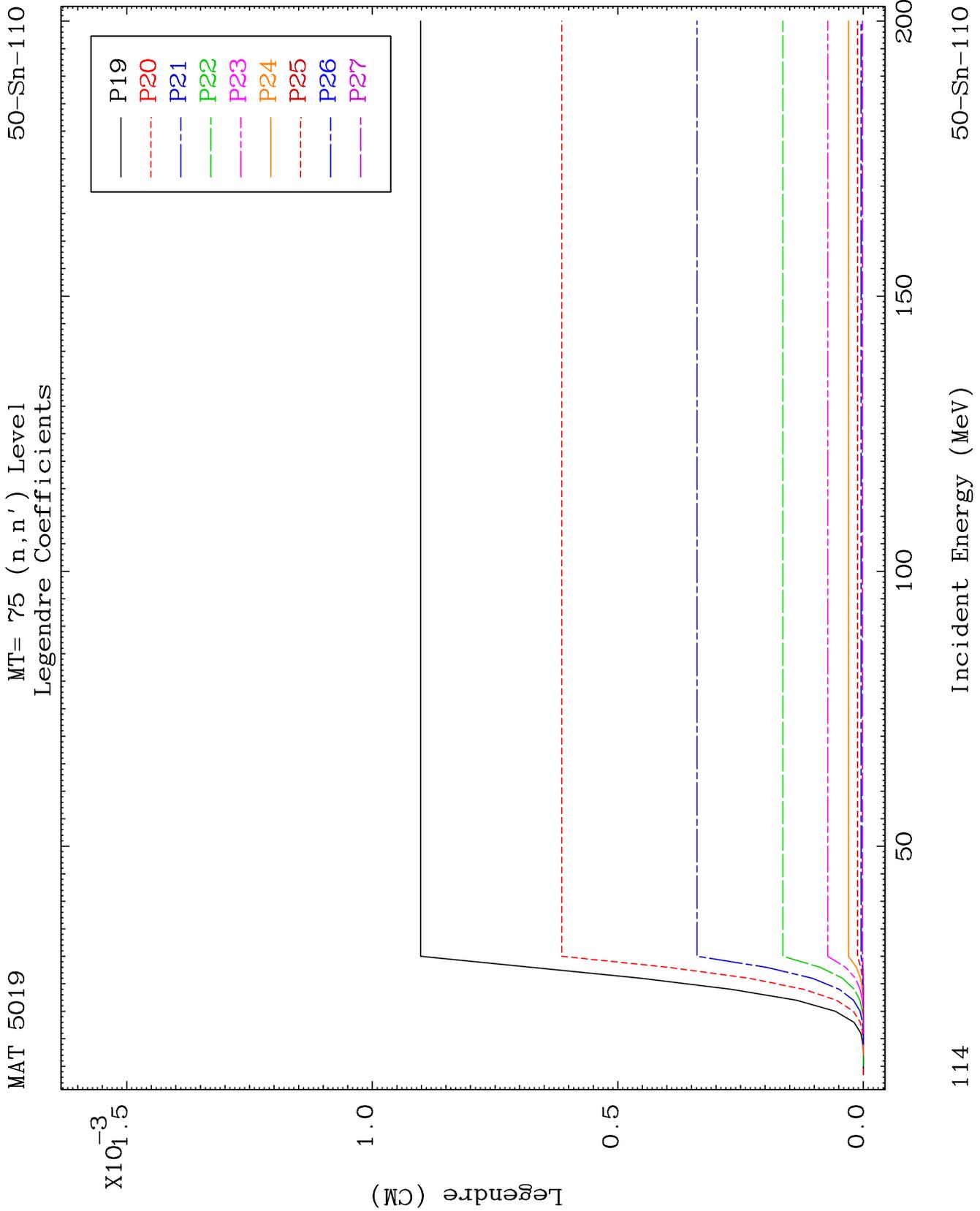


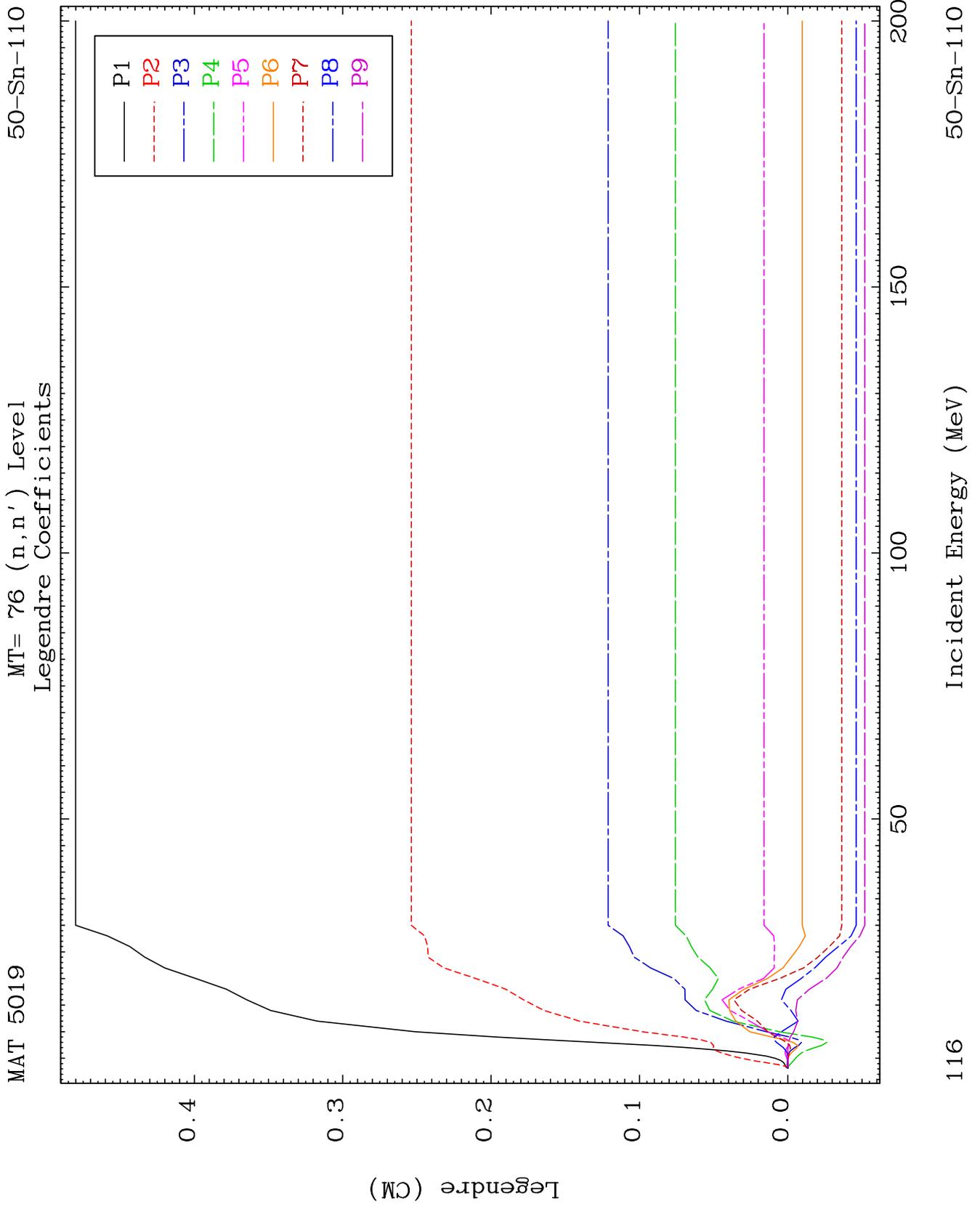


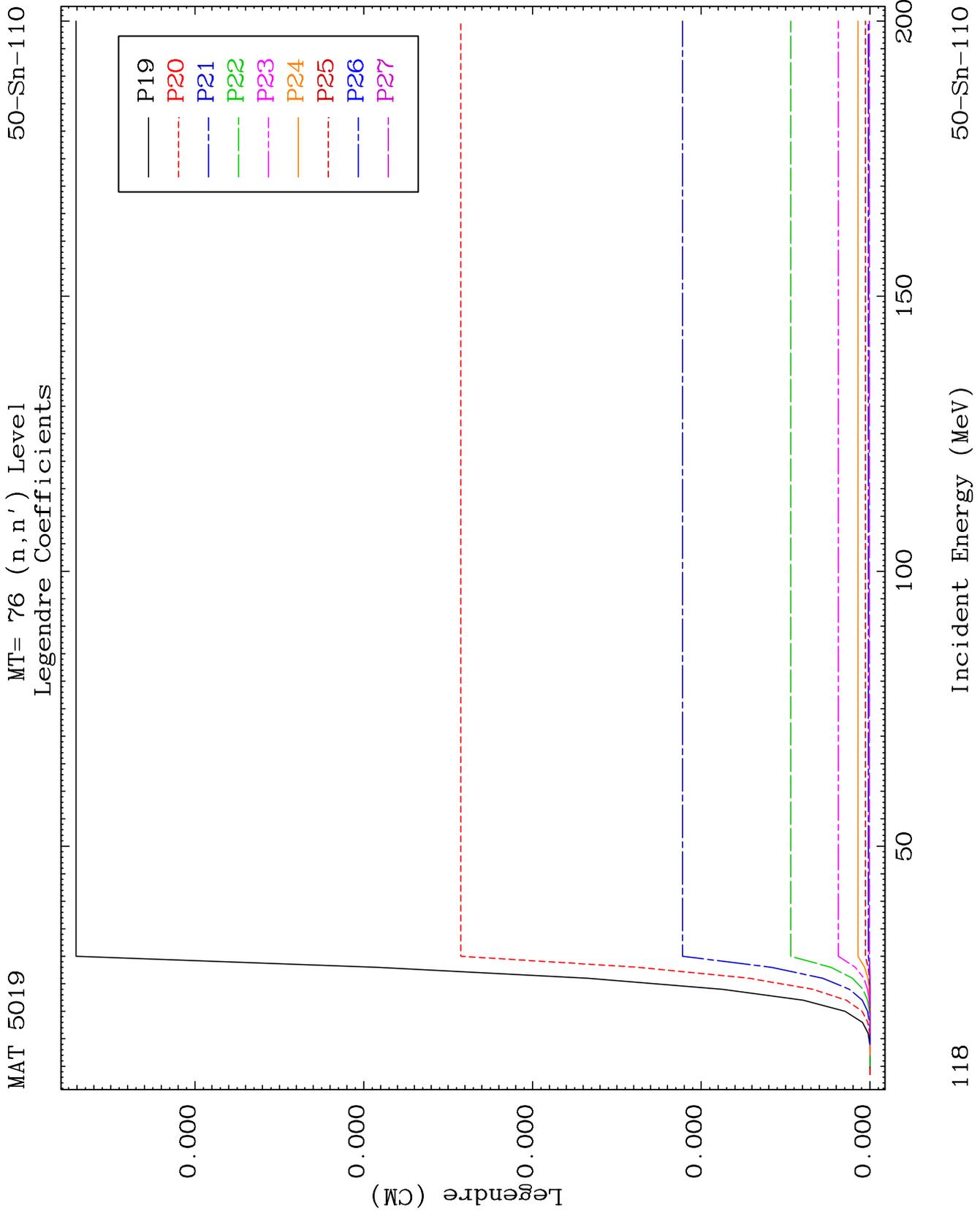


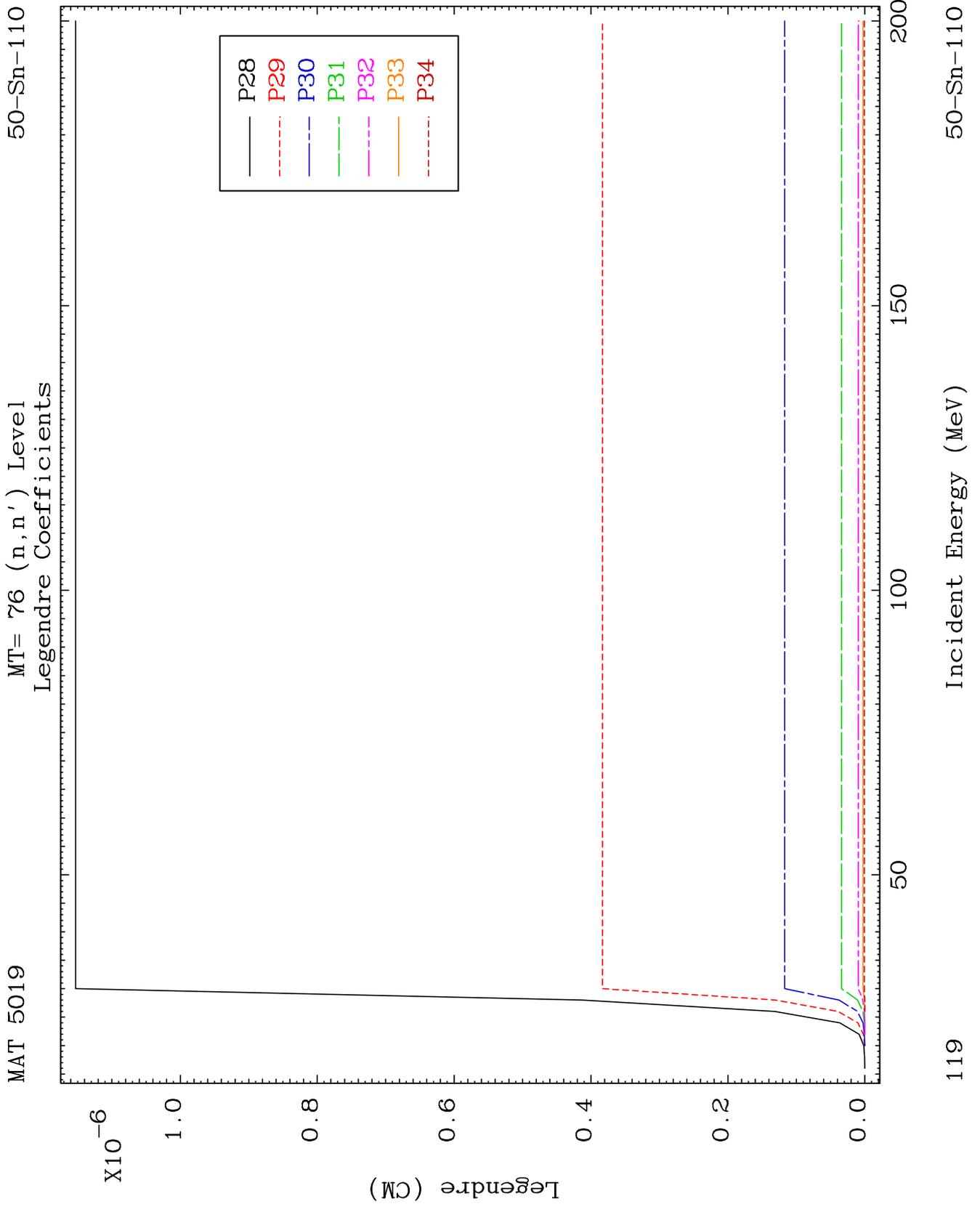








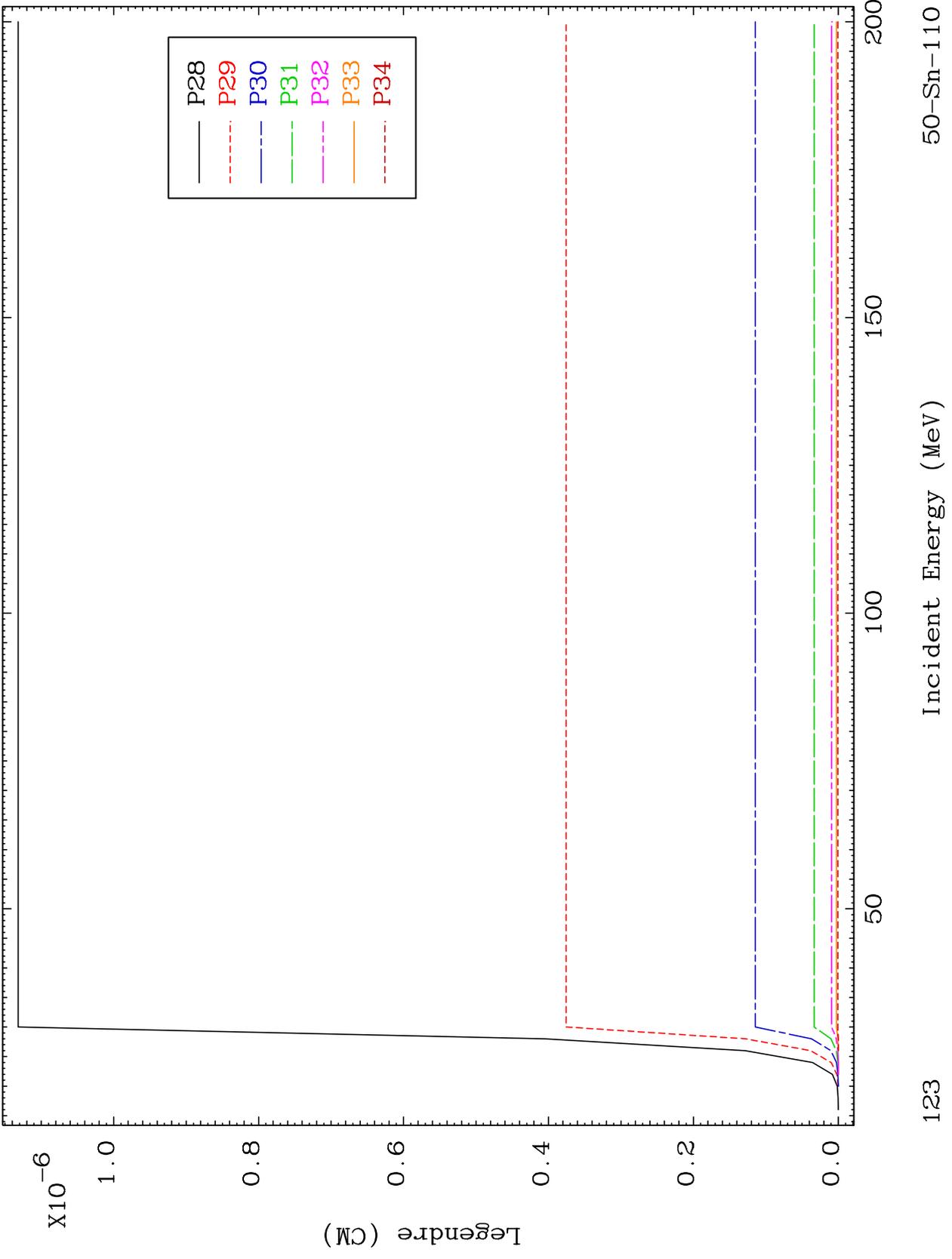




MAT 5019

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

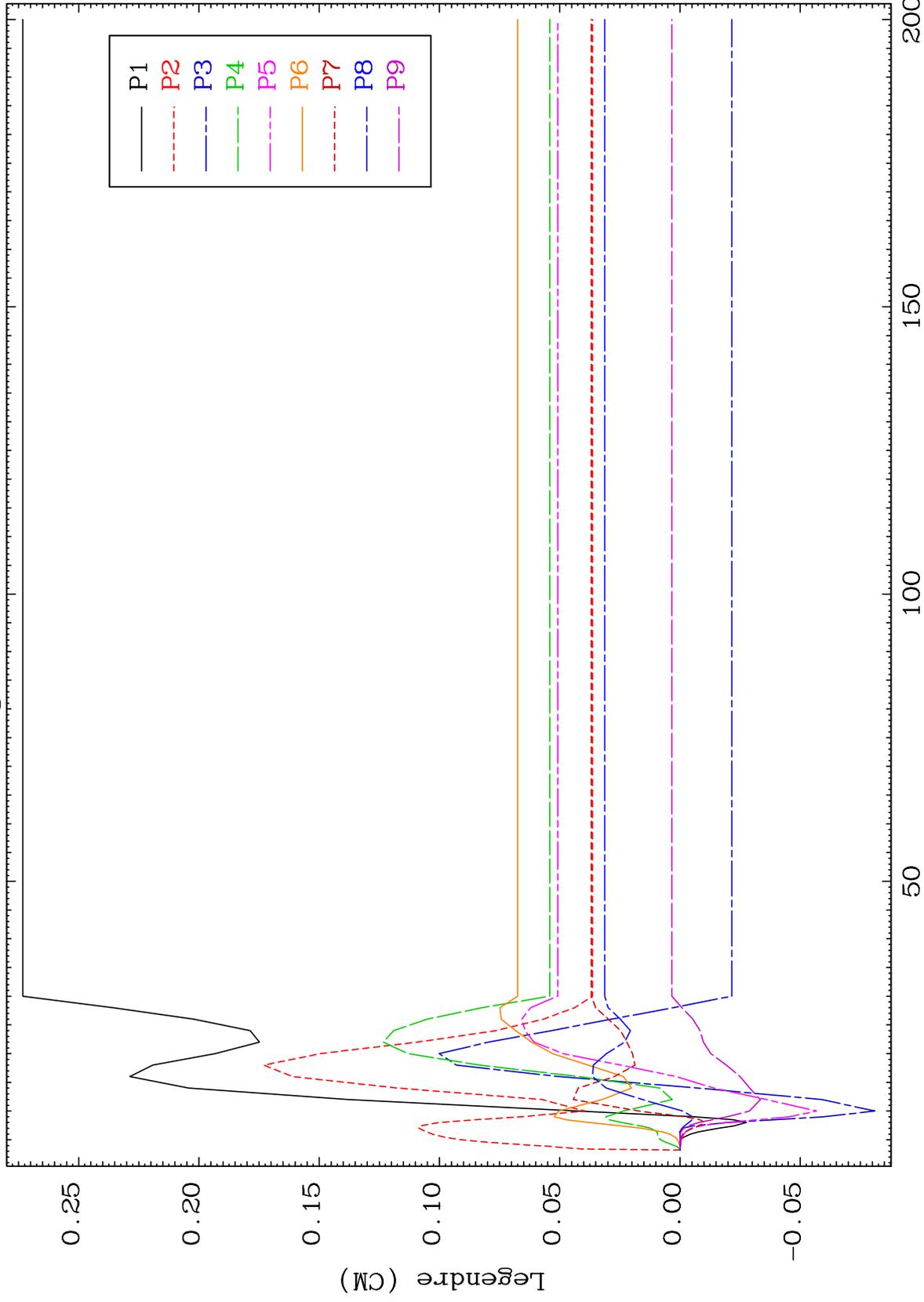
50-Sn-110



MAT 5019

MT= 78 (n,n') Level
Legendre Coefficients

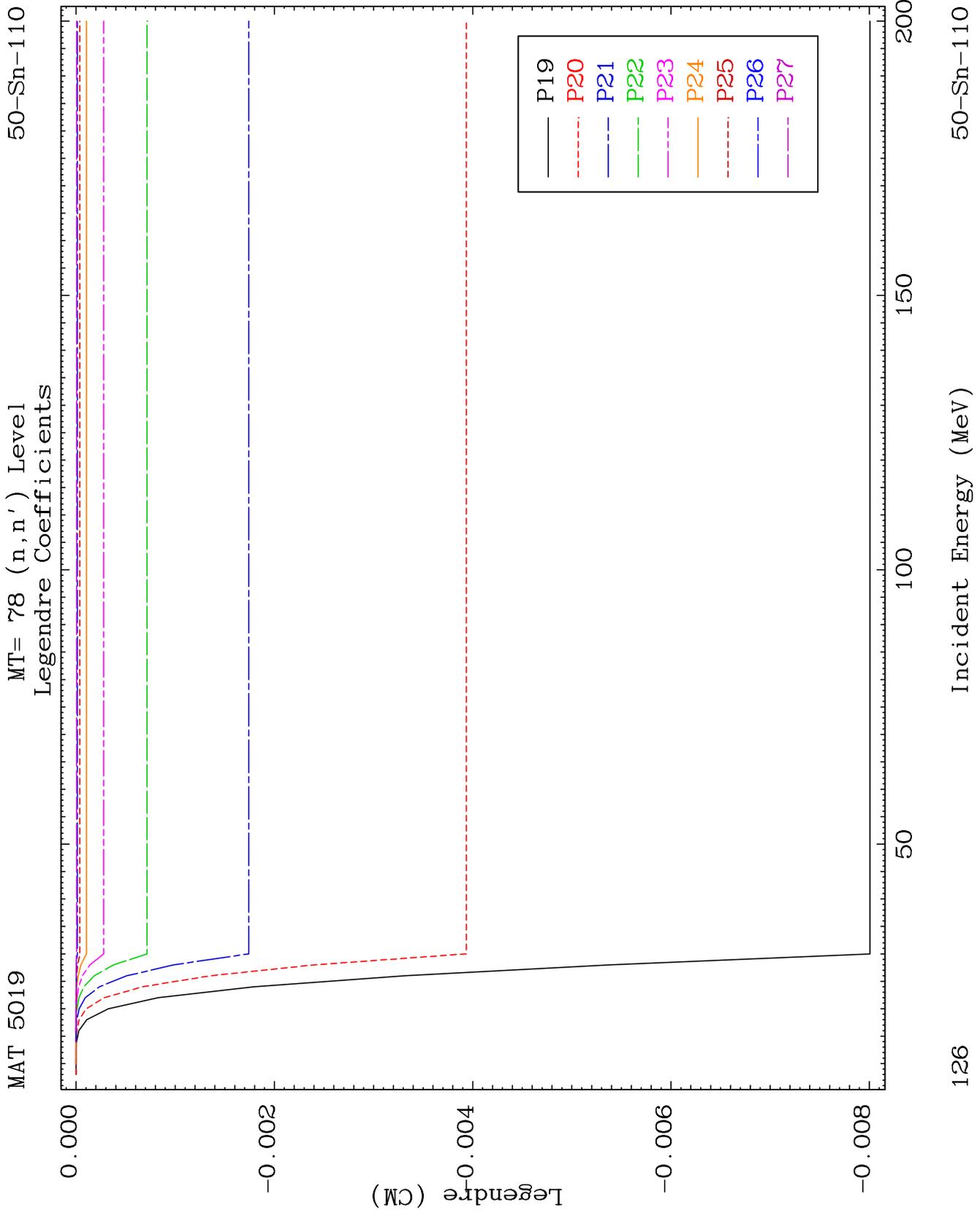
50-Sn-110

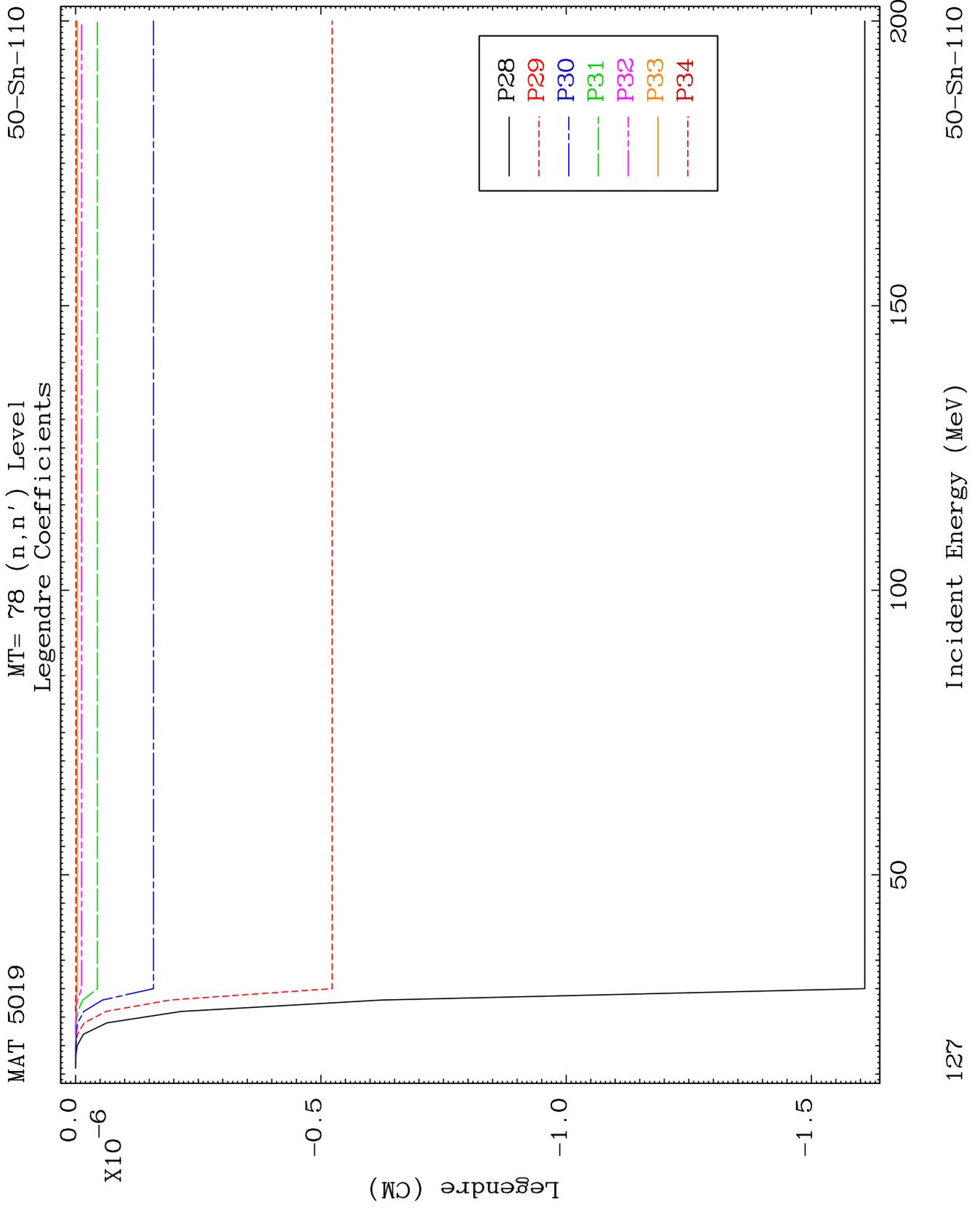


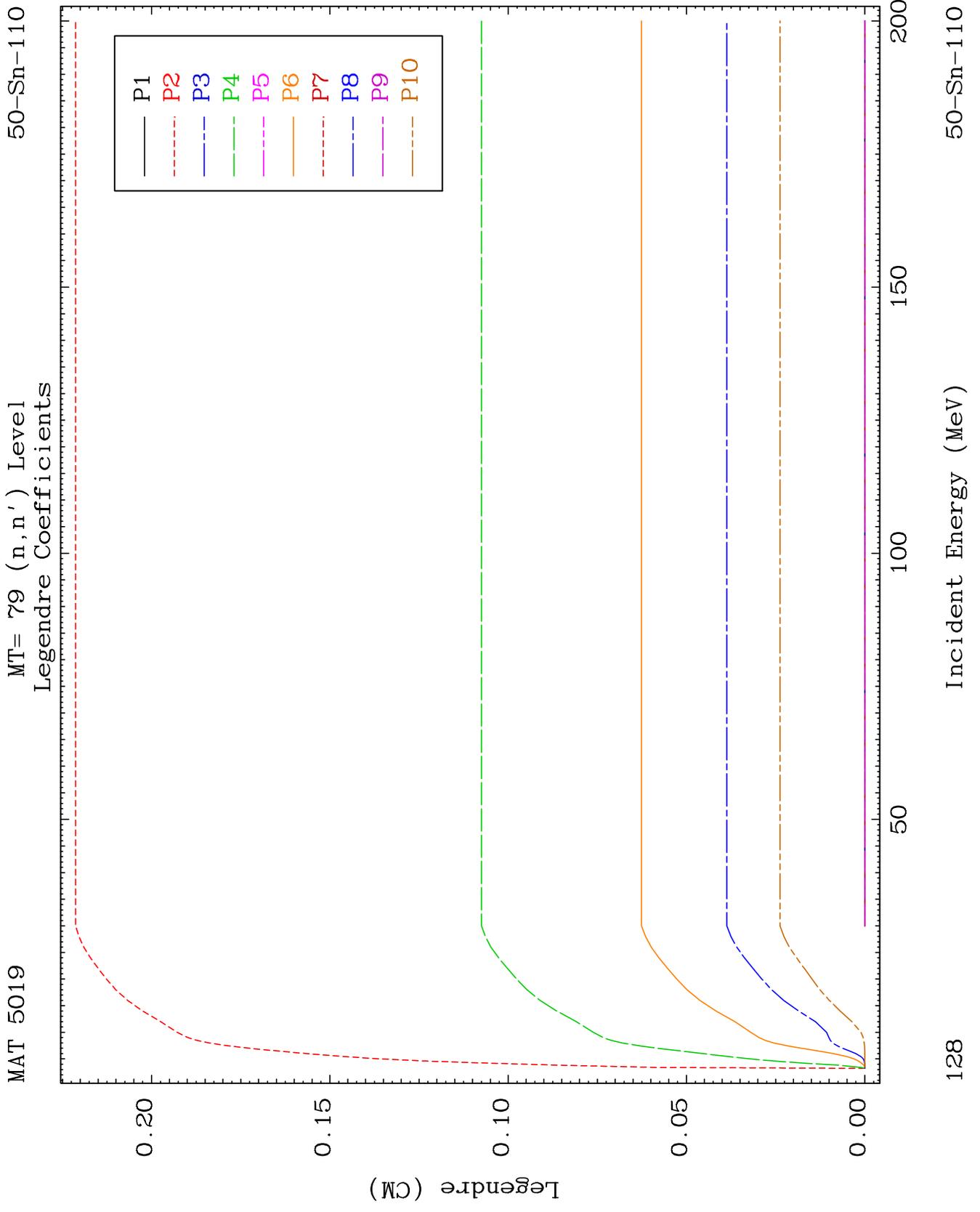
124

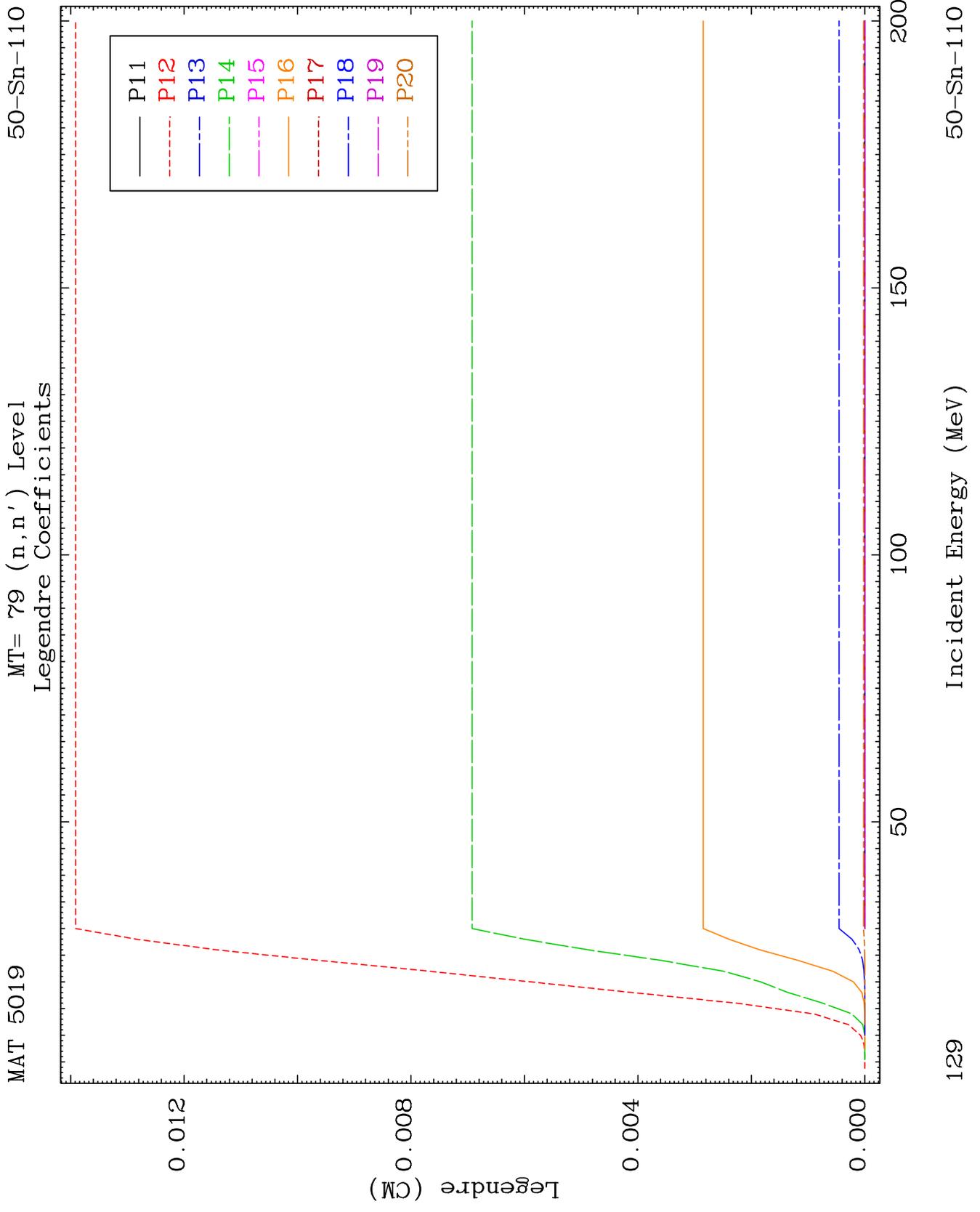
Incident Energy (MeV)

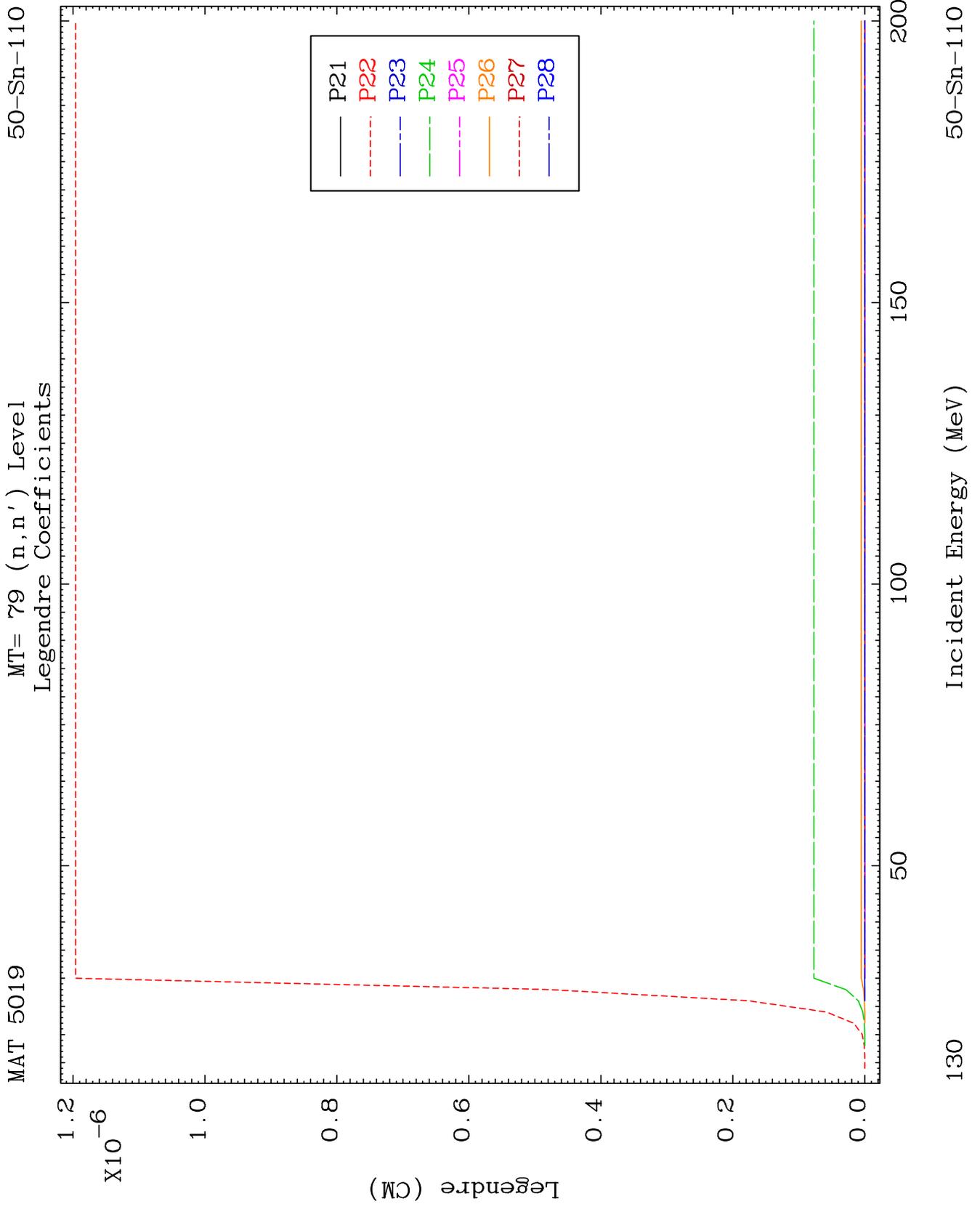
50-Sn-110

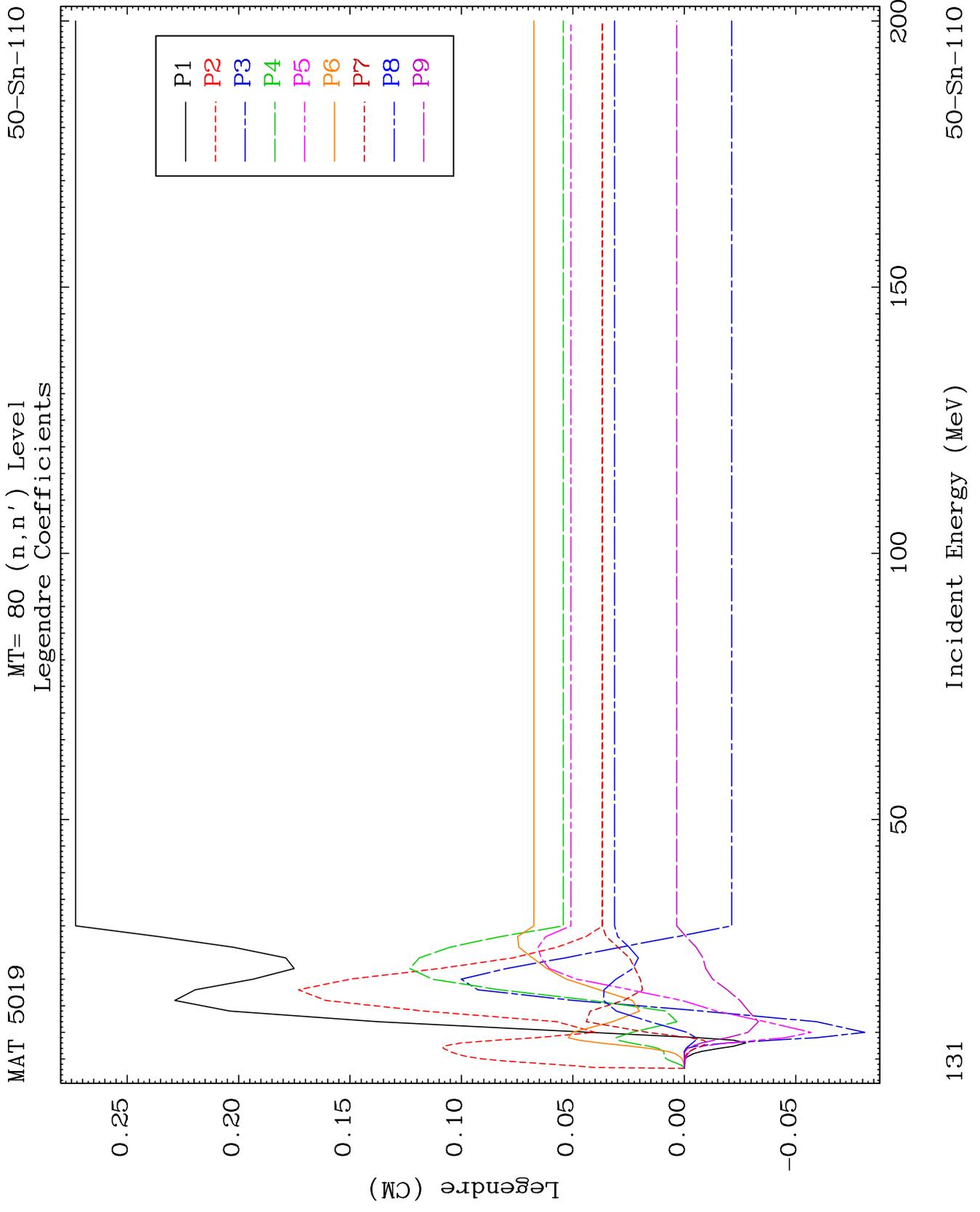


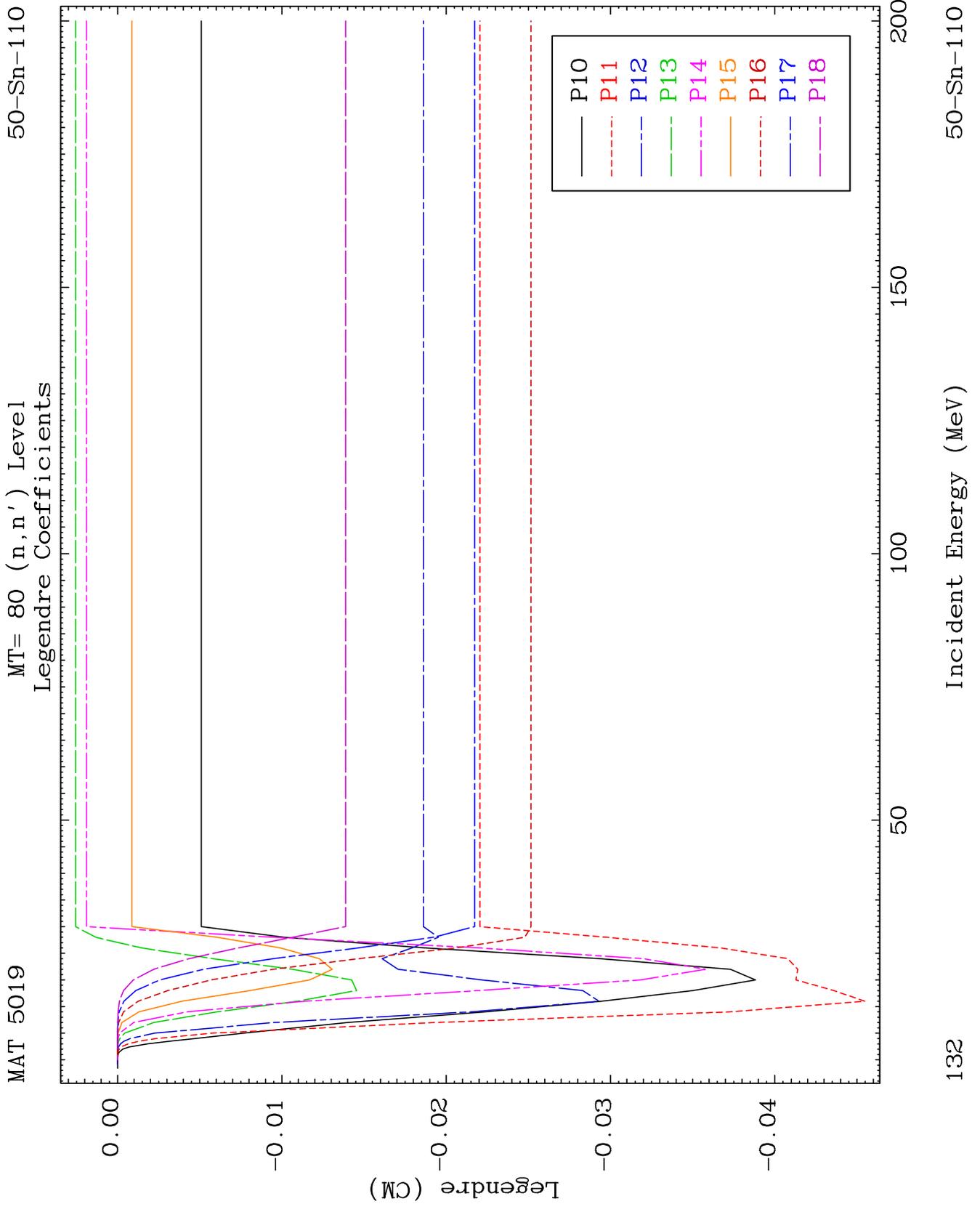


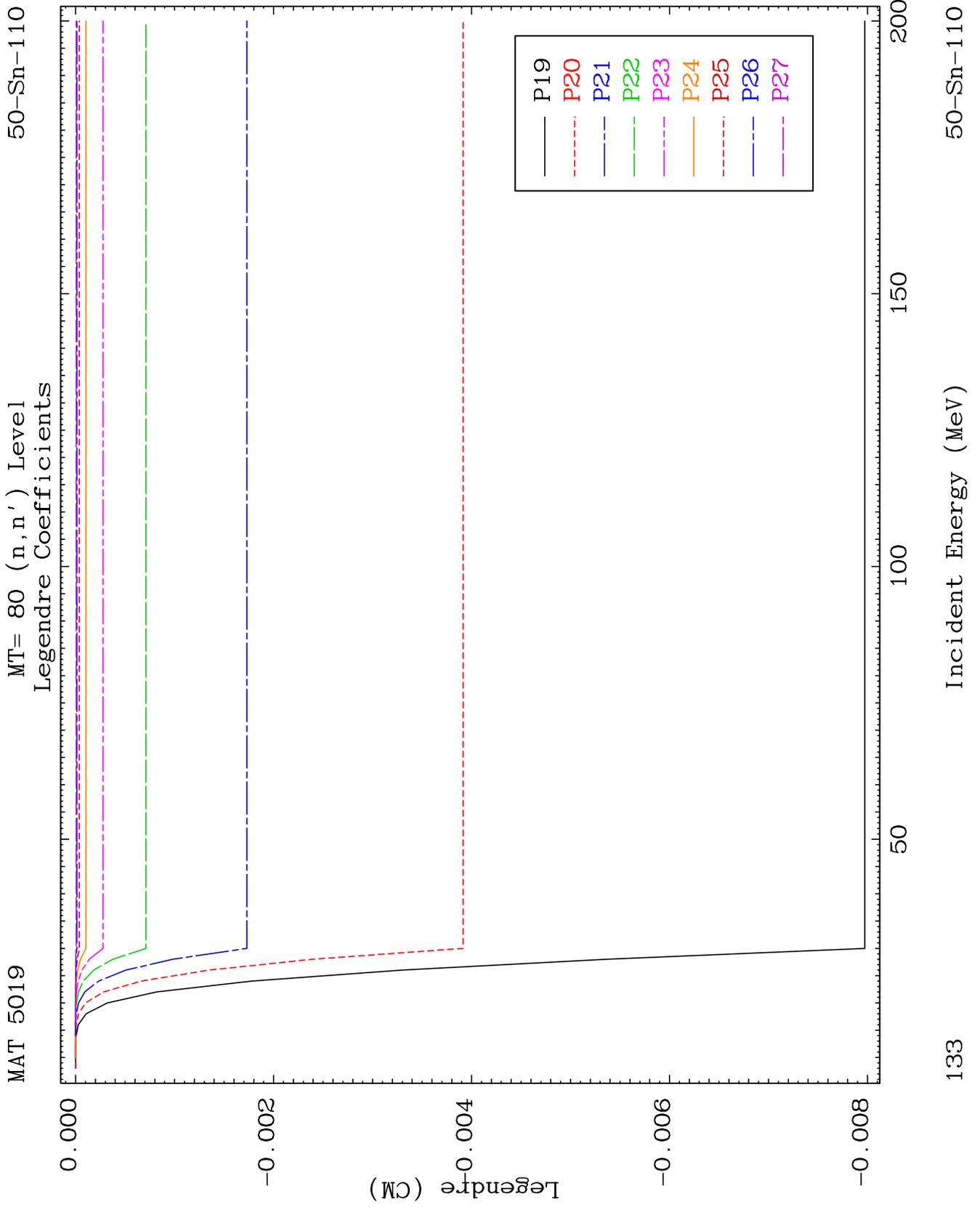


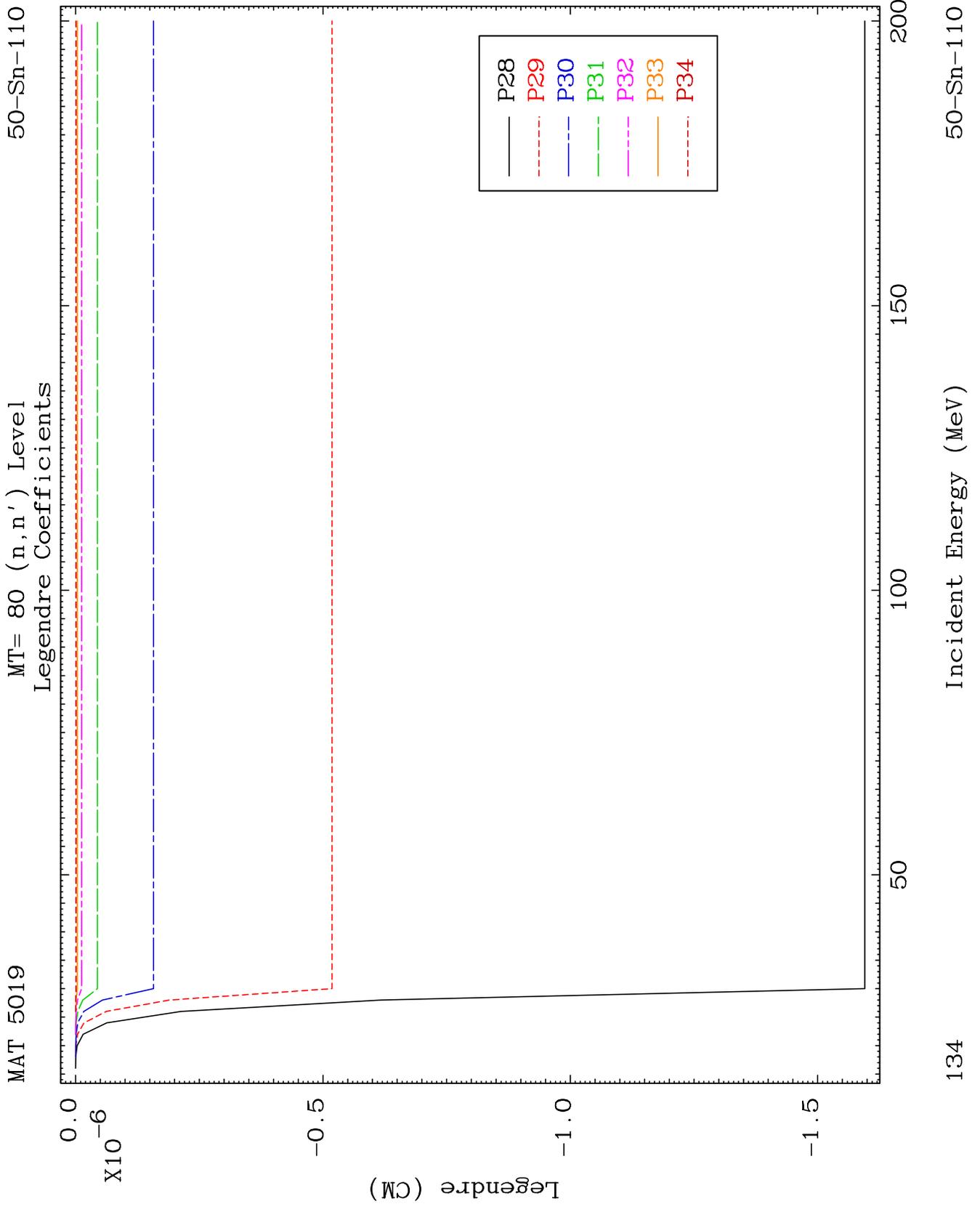










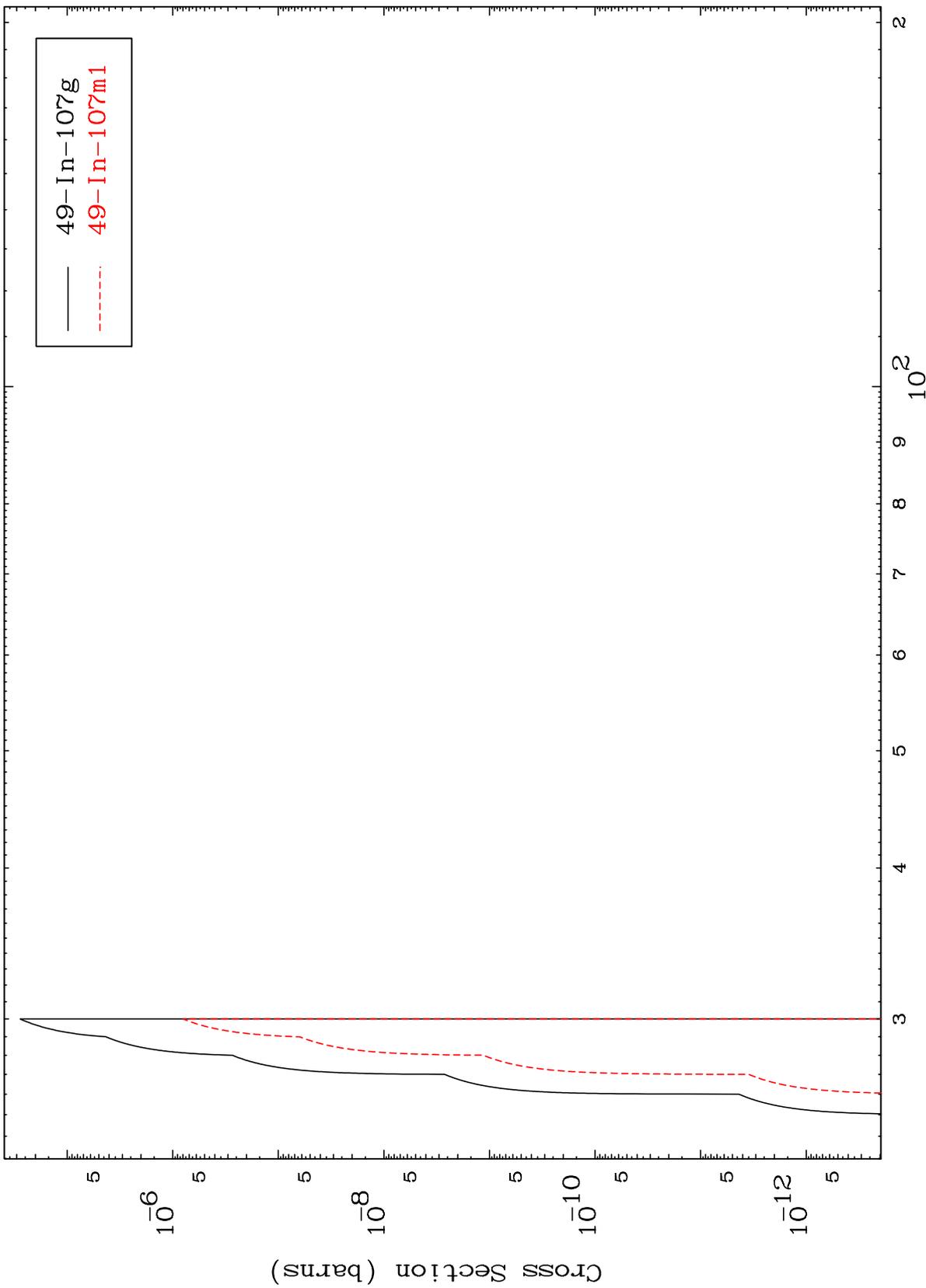


MAT 5019

(n,2n) d

50-Sn-110

Radionuclide Production Cross Section



135

Incident Energy (MeV)

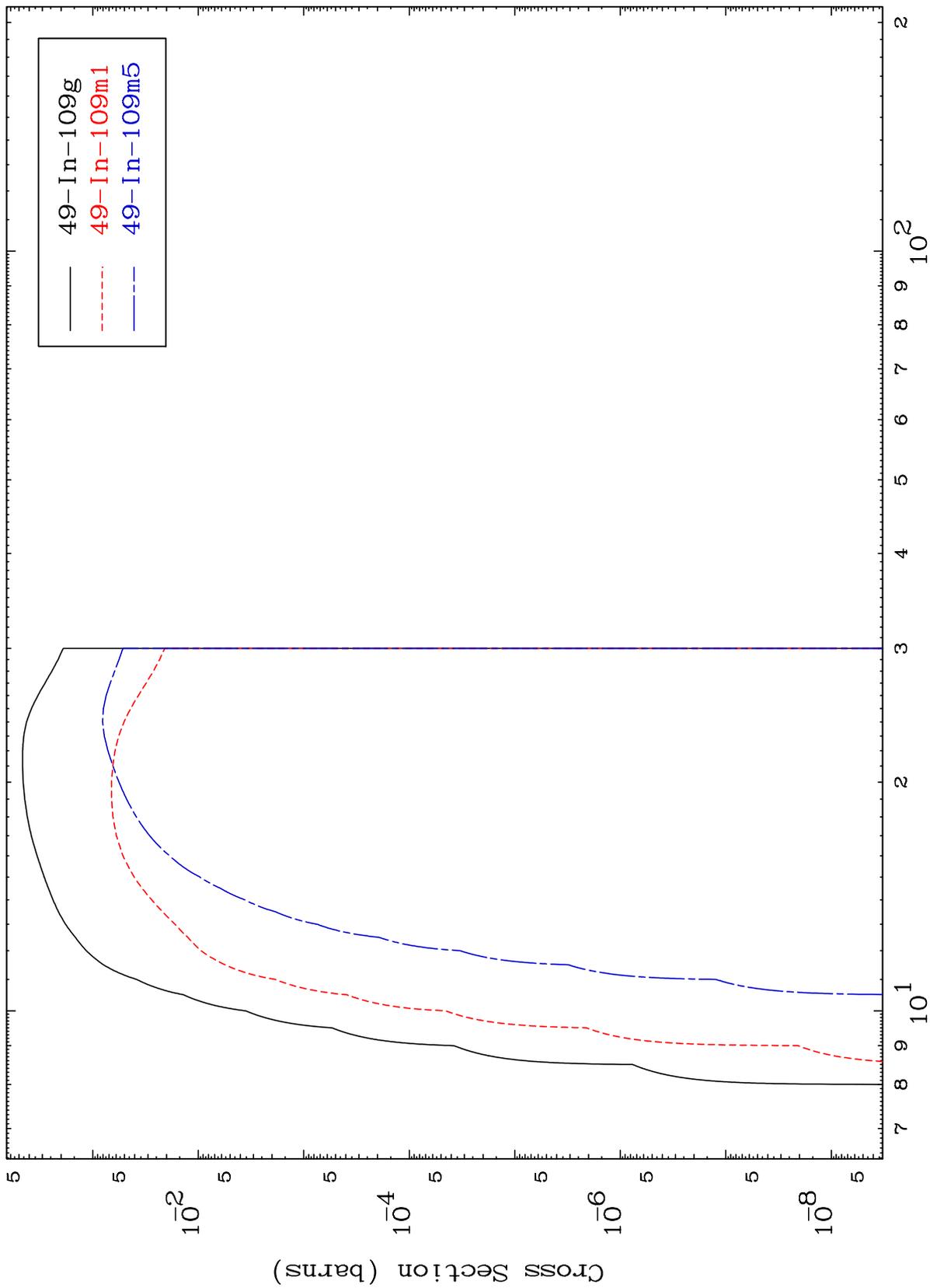
50-Sn-110

MAT 5019

(n,n') p

50-Sn-110

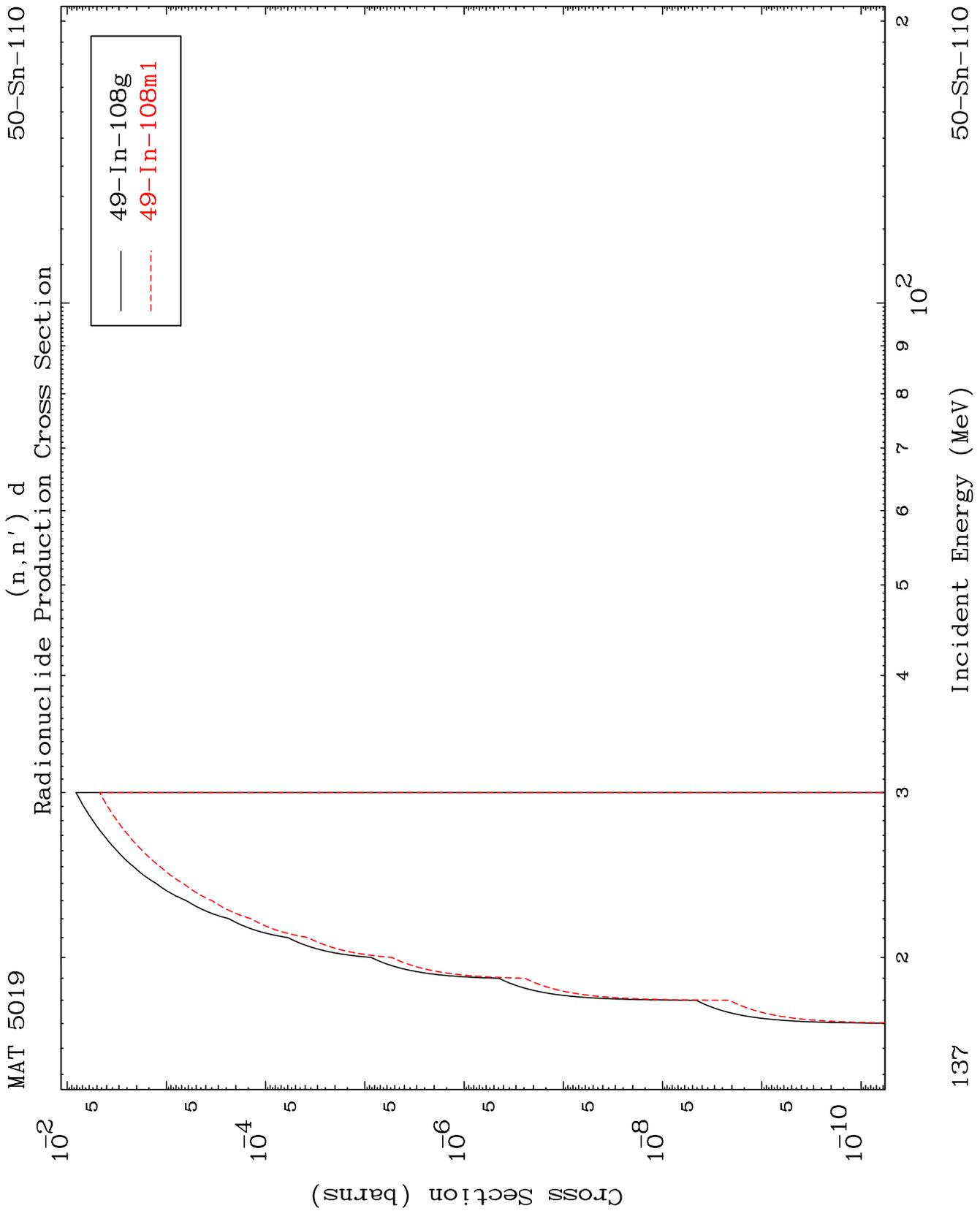
Radionuclide Production Cross Section



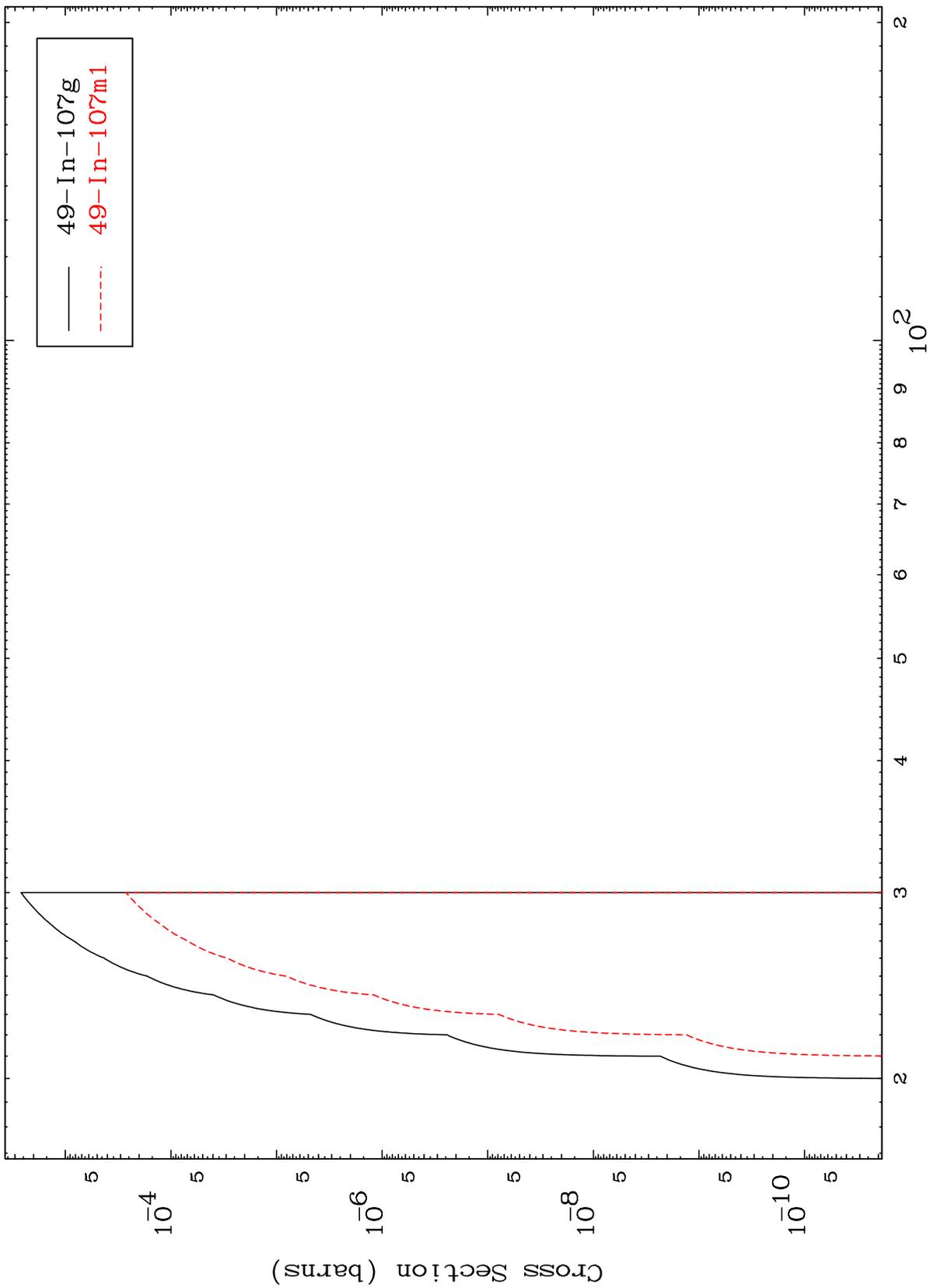
136

Incident Energy (MeV)

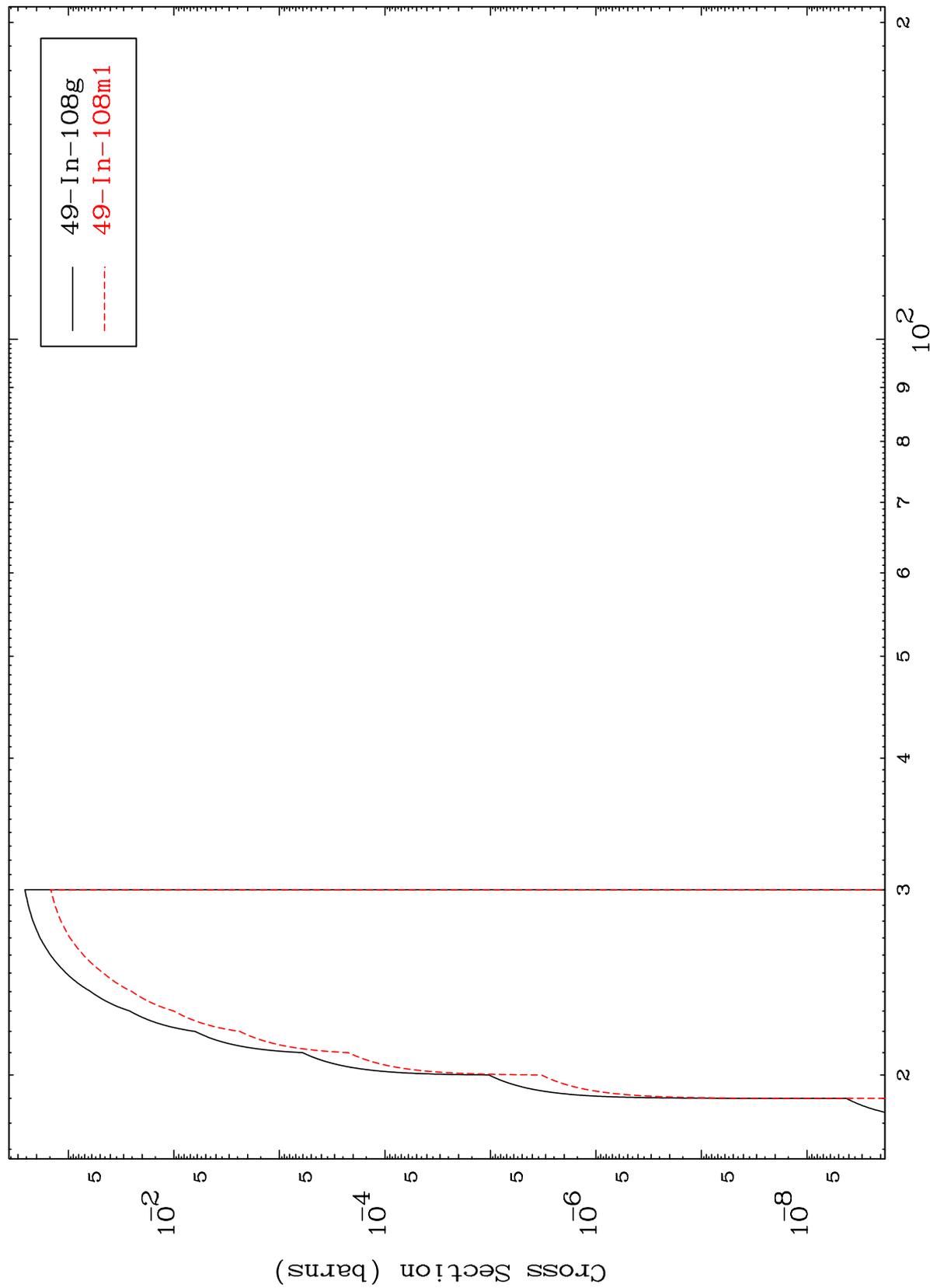
50-Sn-110



Radionuclide Production Cross Section



Radionuclide Production Cross Section



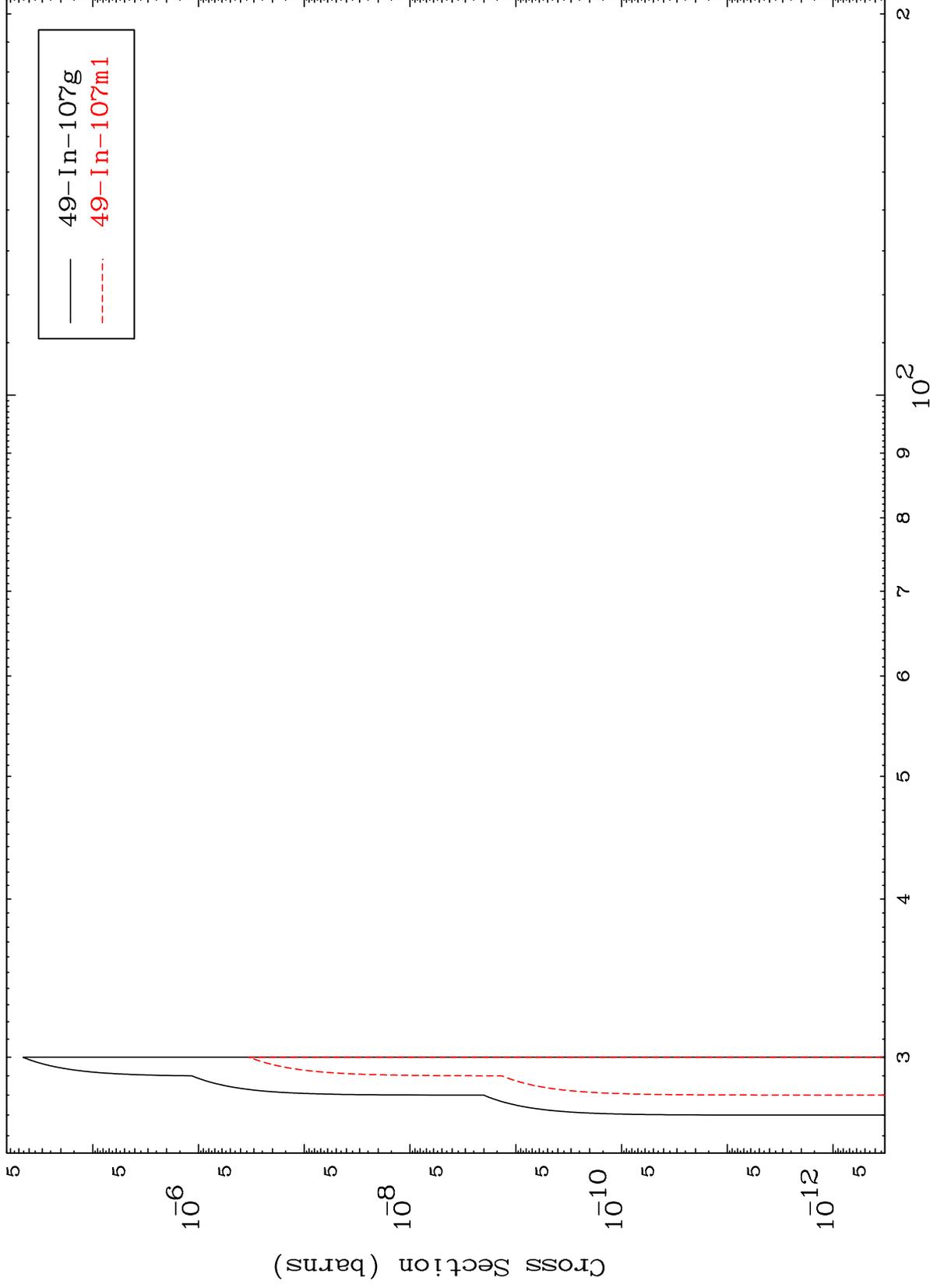
49-In-108g
49-In-108m1

MAT 5019

(n,3n) p

50-Sn-110

Radionuclide Production Cross Section



140

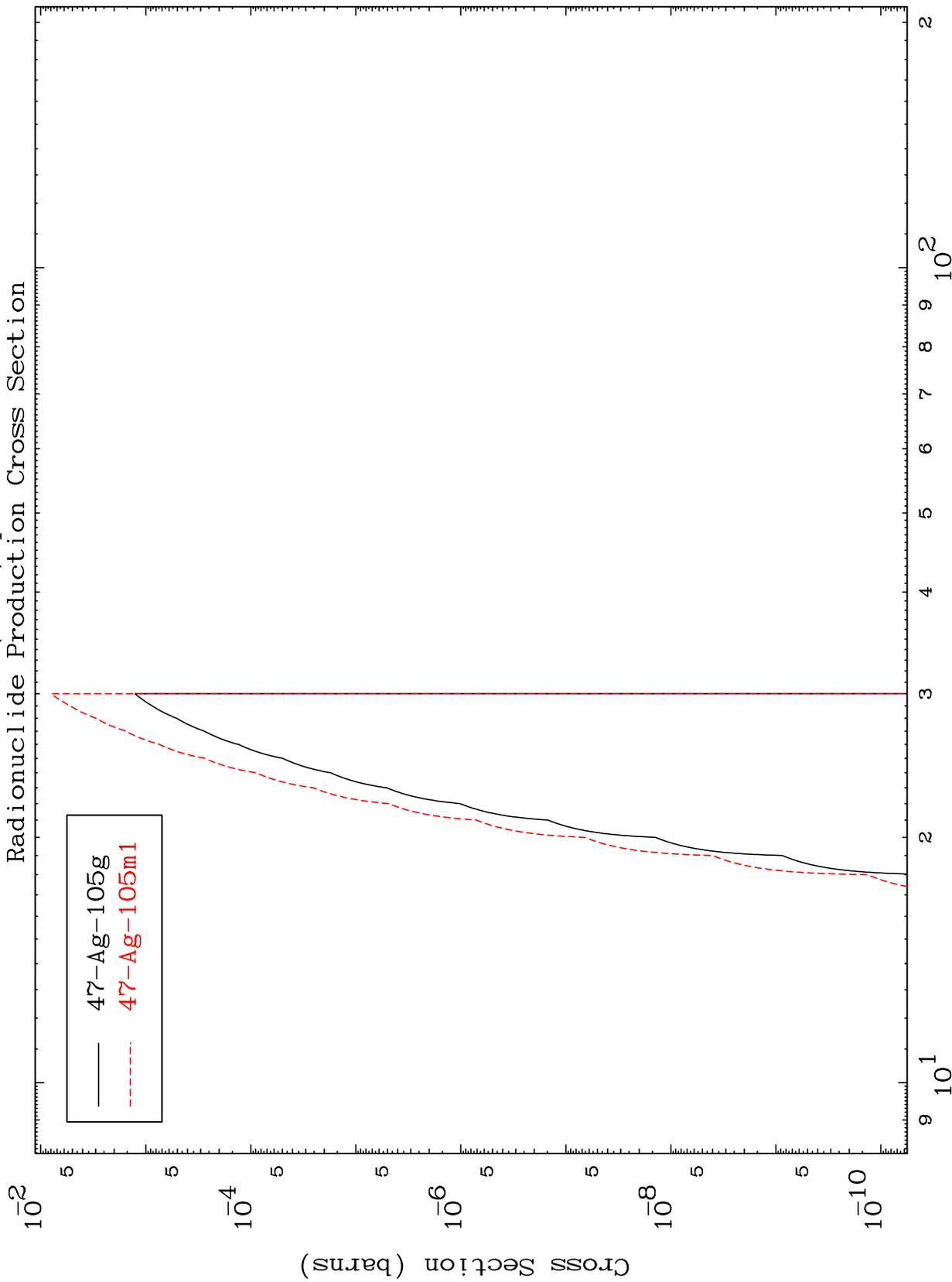
Incident Energy (MeV)

50-Sn-110

MAT 5019

50-Sn-110

(n,n') p α



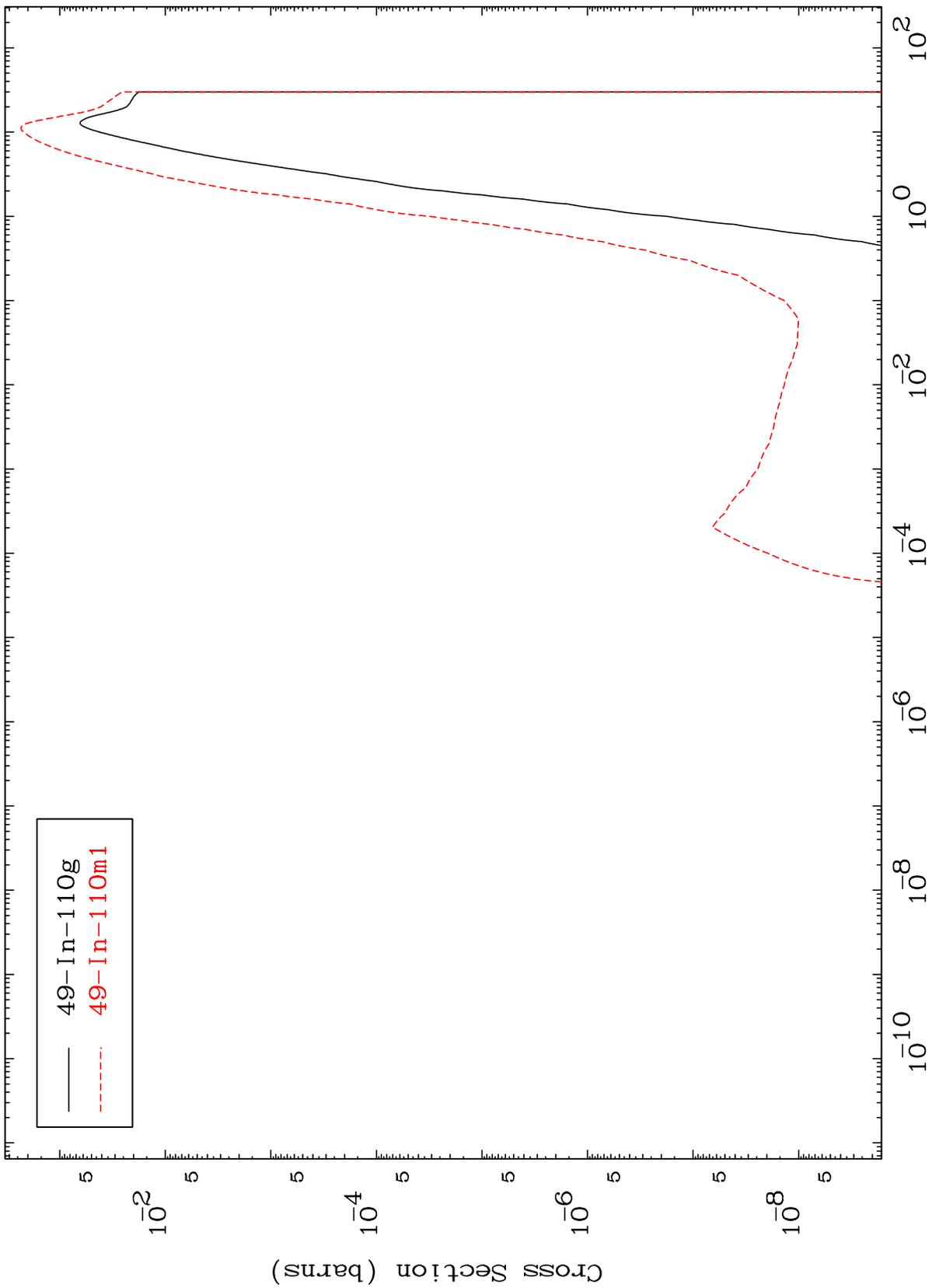
141

50-Sn-110

MAT 5019

50-Sn-110

(n,p)
Radionuclide Production Cross Section

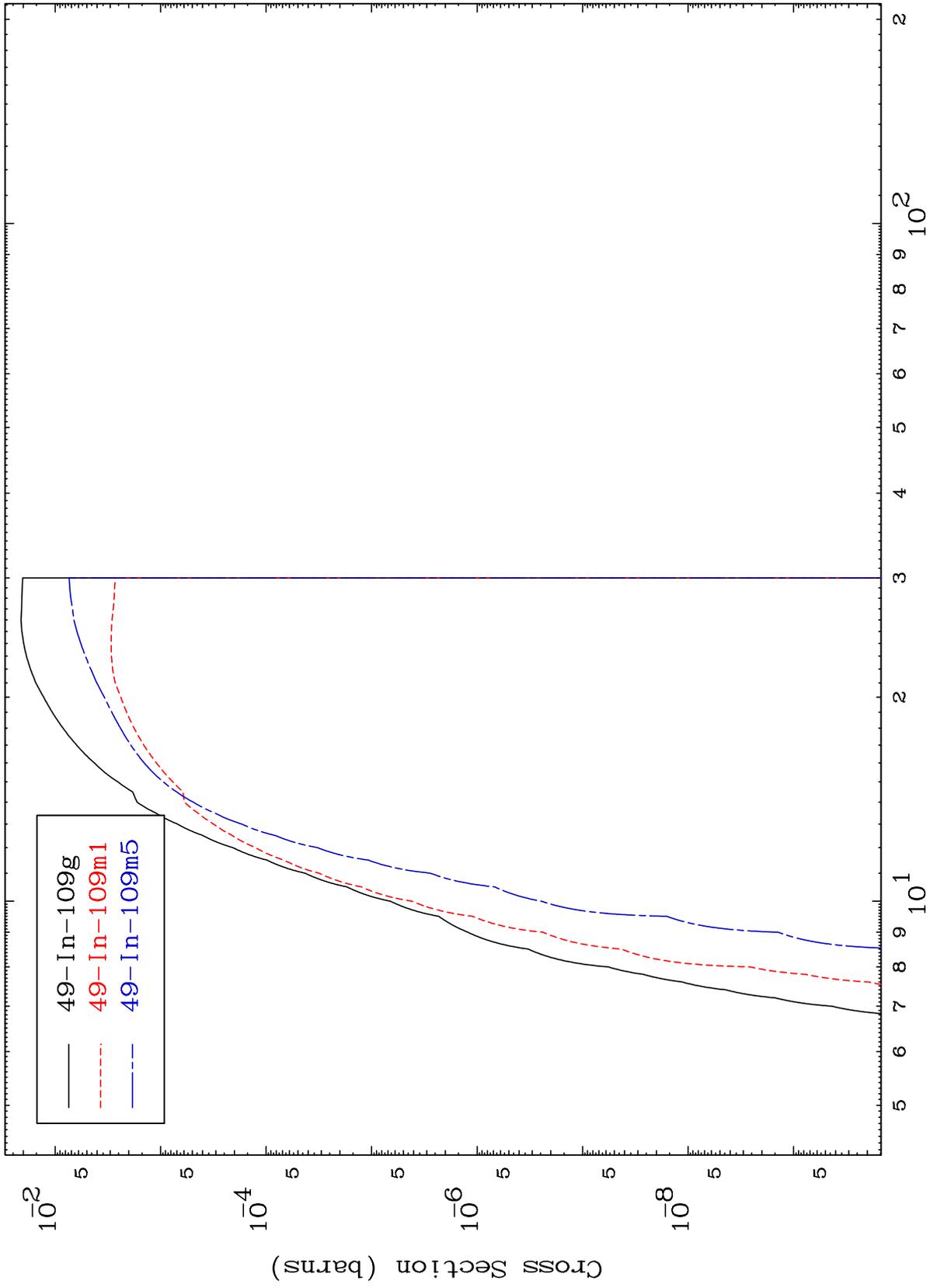


— 49-In-110g
- - - 49-In-110m1

MAT 5019

50-Sn-110

(n,d)
Radionuclide Production Cross Section



143

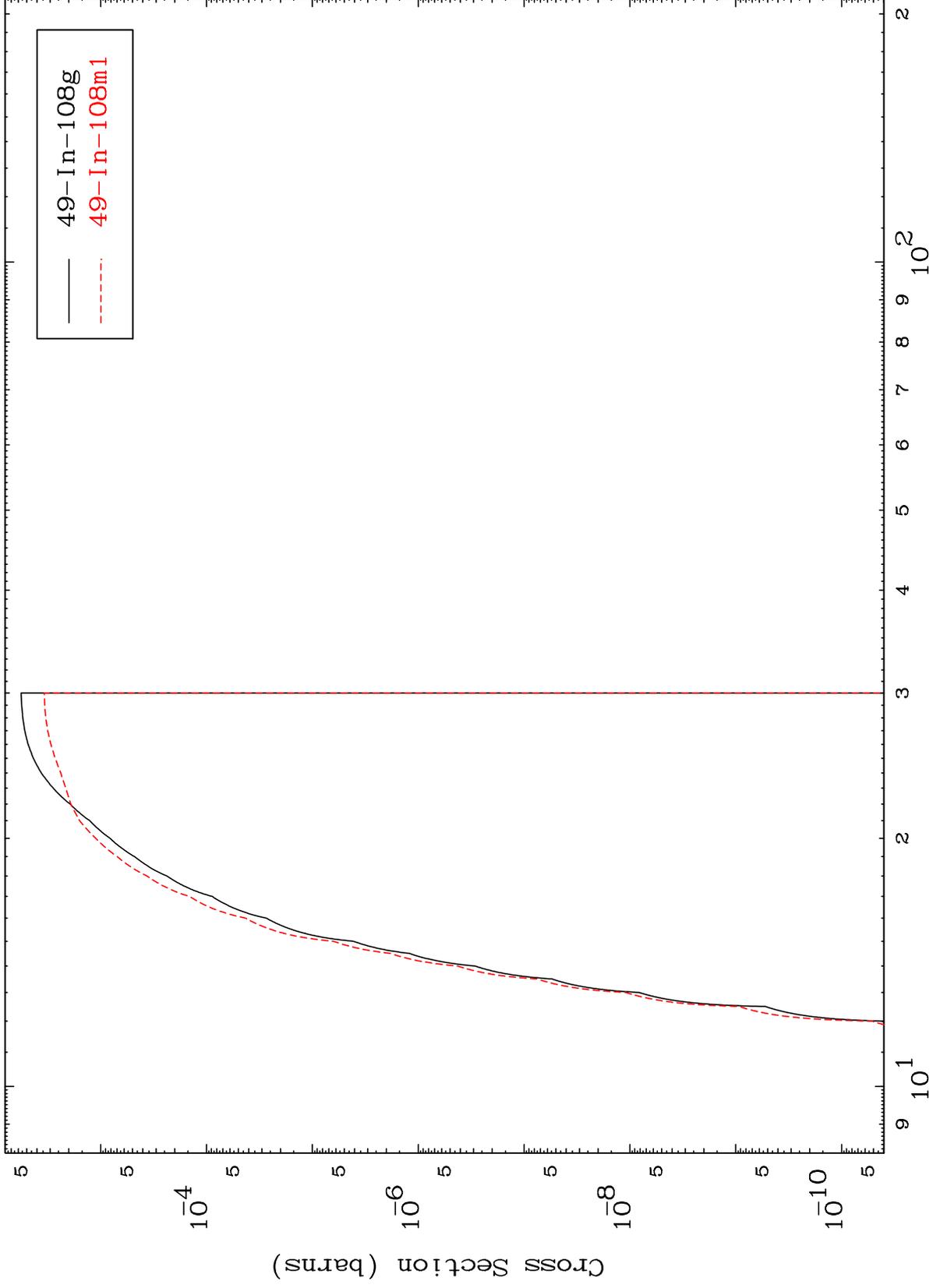
Incident Energy (MeV)

50-Sn-110

MAT 5019

50-Sn-110

(n,t)
Radionuclide Production Cross Section



50-Sn-110

Incident Energy (MeV)

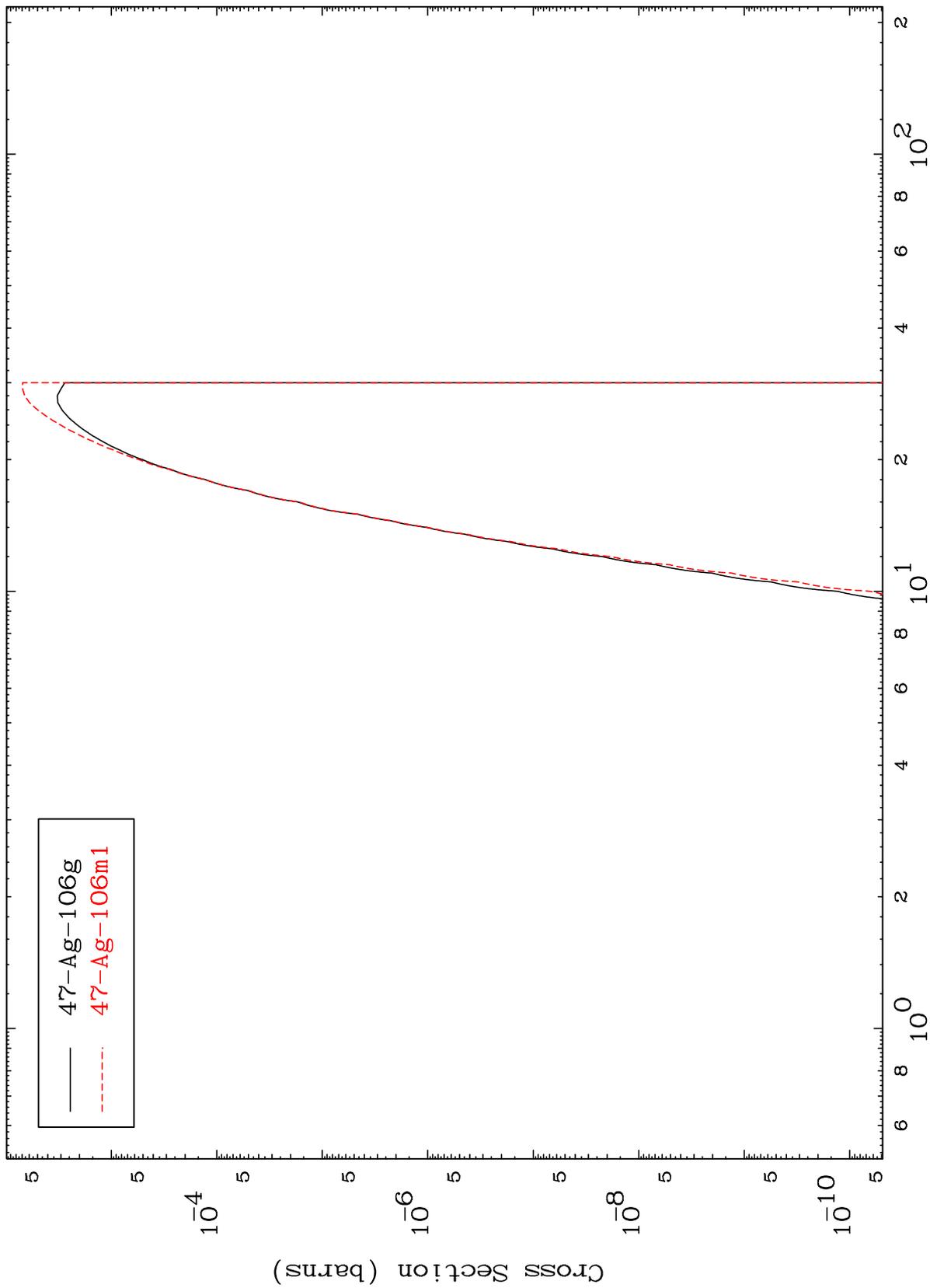
144

MAT 5019

(n,p) α

50-Sn-110

Radionuclide Production Cross Section



145

Incident Energy (MeV)

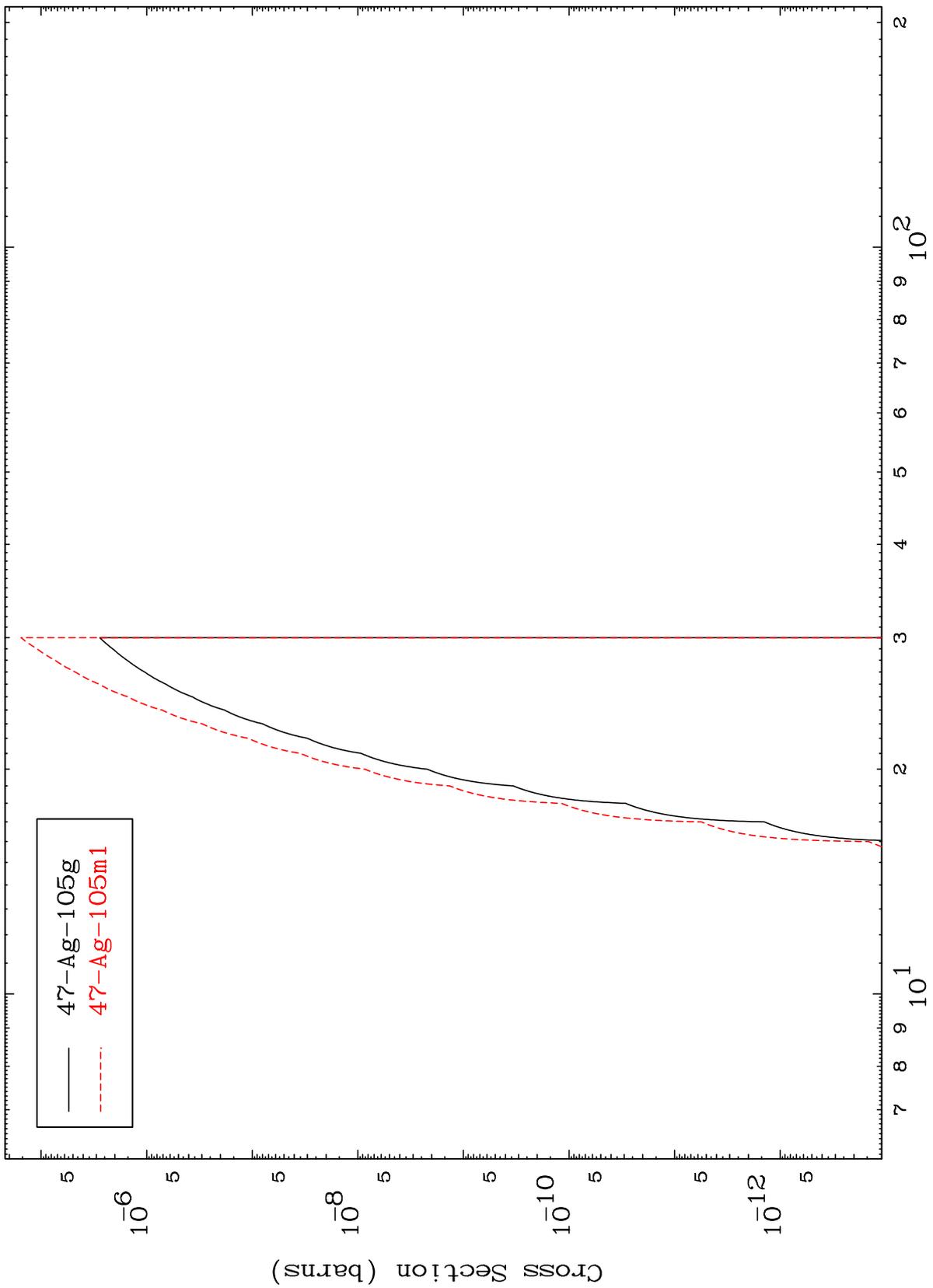
50-Sn-110

MAT 5019

50-Sn-110

(n,d) α

Radionuclide Production Cross Section



146

Incident Energy (MeV)

50-Sn-110