

Program EVALPLOT
(Version 2015-2)

by

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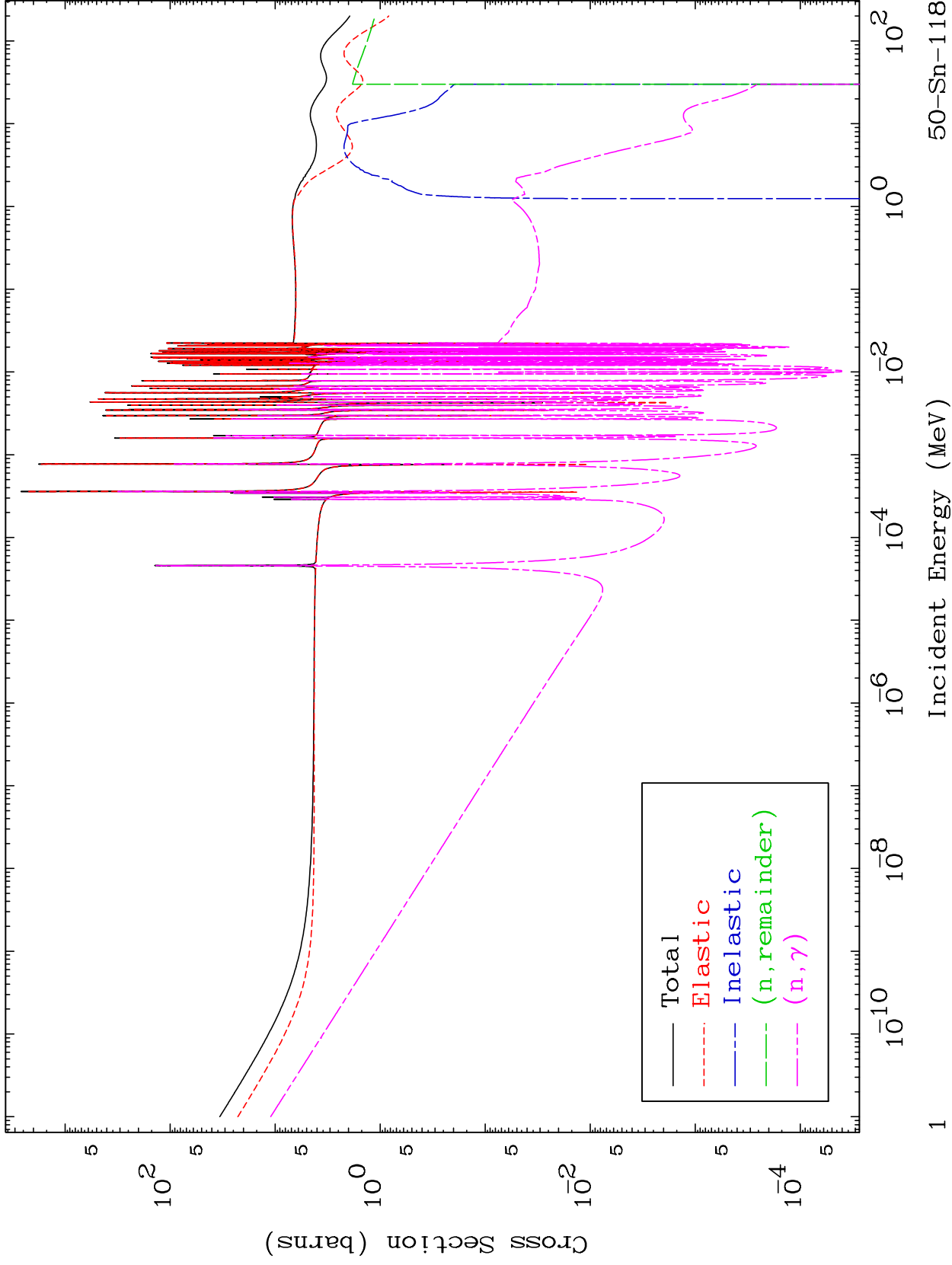
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5043

Major
293 Kelvin Cross Sections

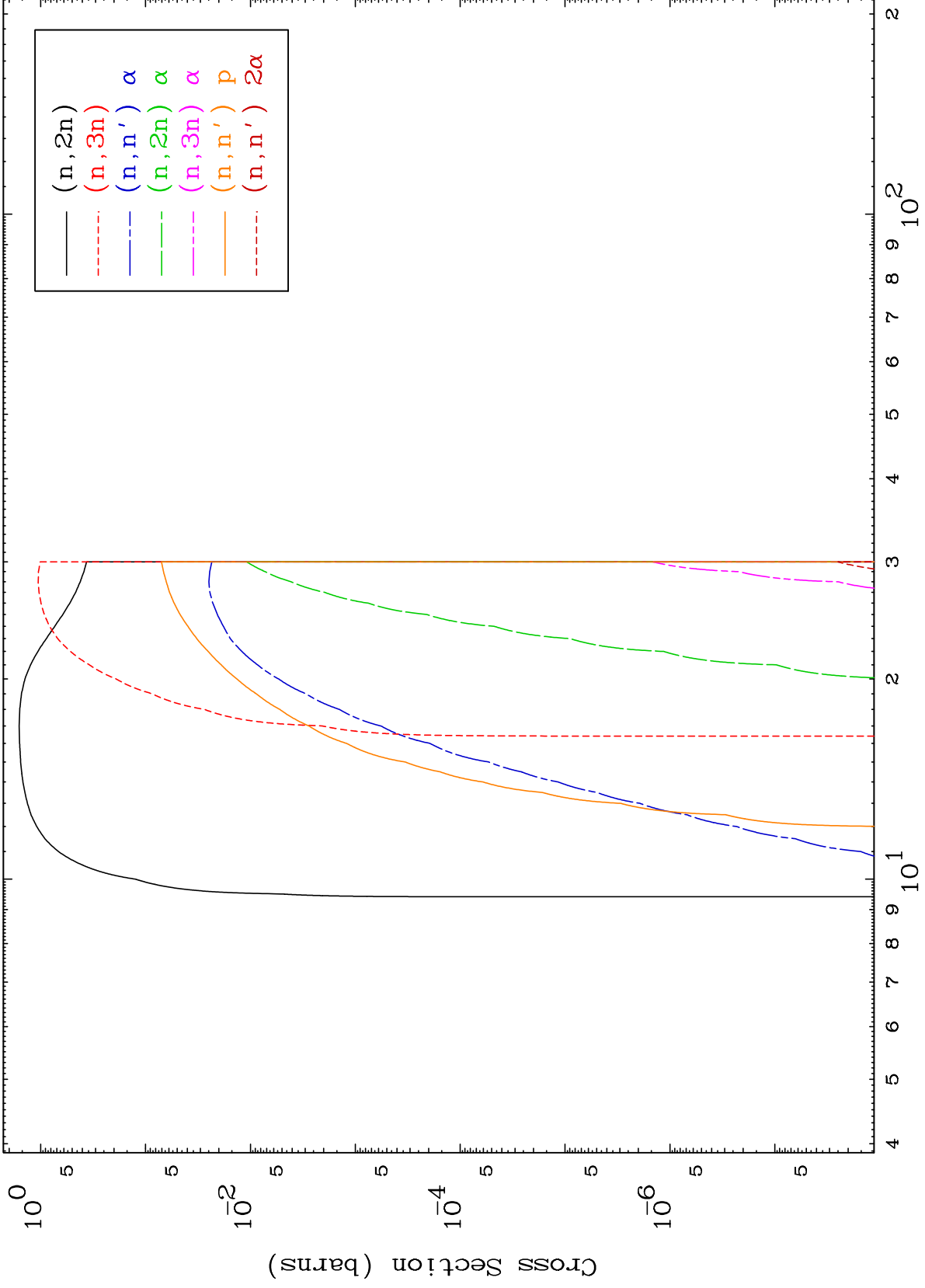
50-Sn-118



MAT 5043

Neutron Production
293 Kelvin Cross Sections

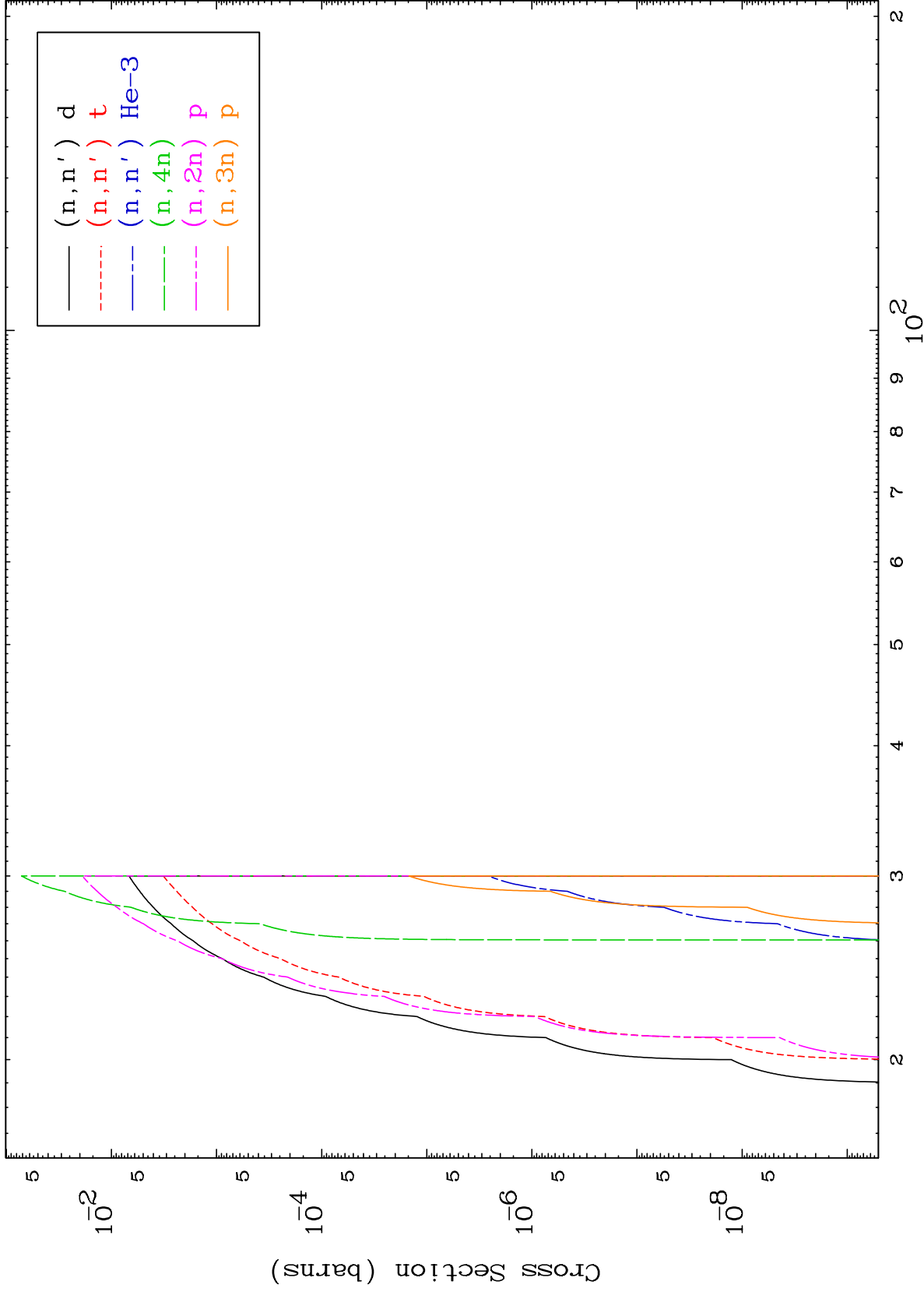
50-Sn-118



2

Incident Energy (MeV)

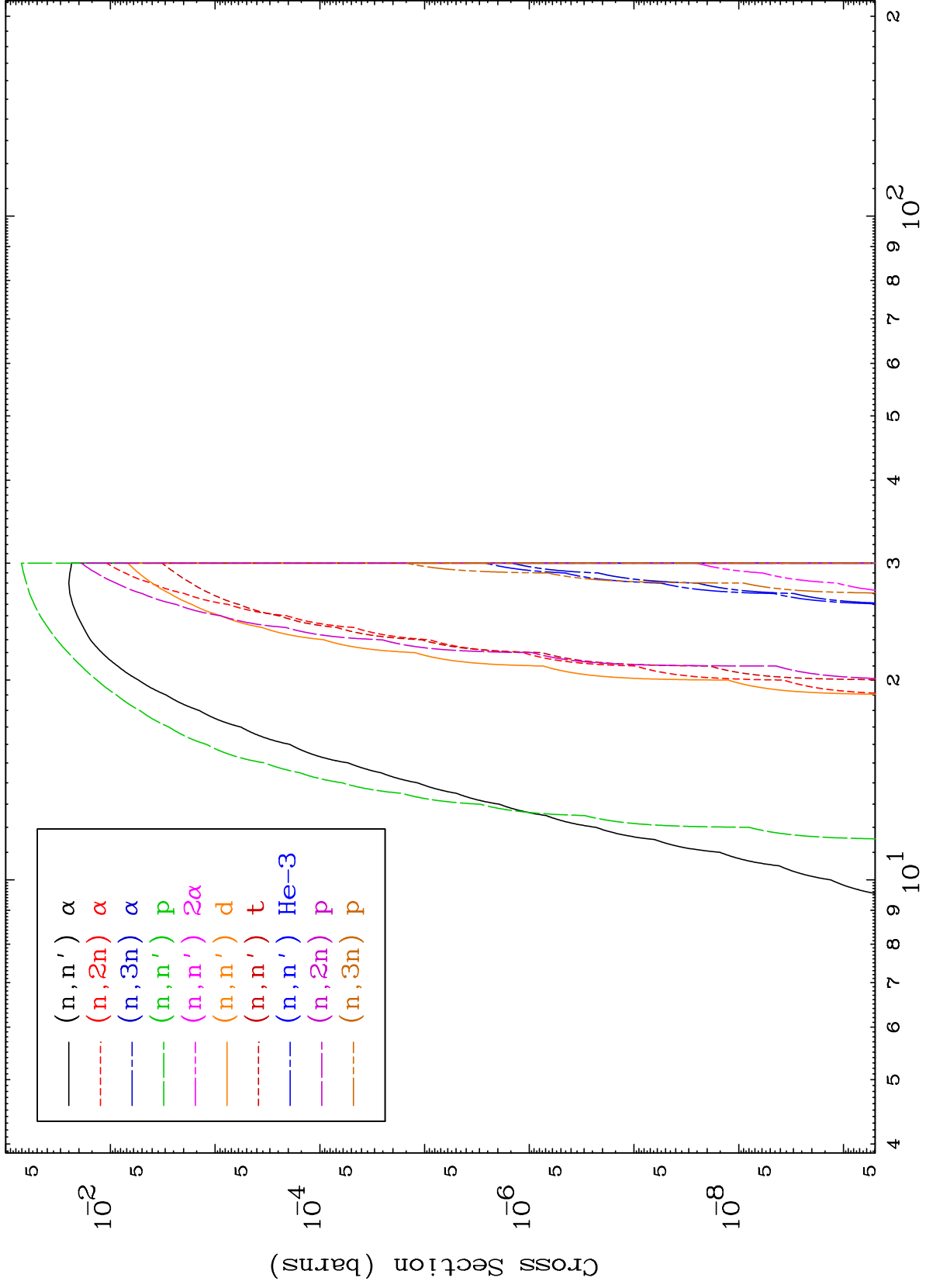
50-Sn-118



MAT 5043

Charged Particle
293 Kelvin Cross Sections

50-Sn-118



50-Sn-118

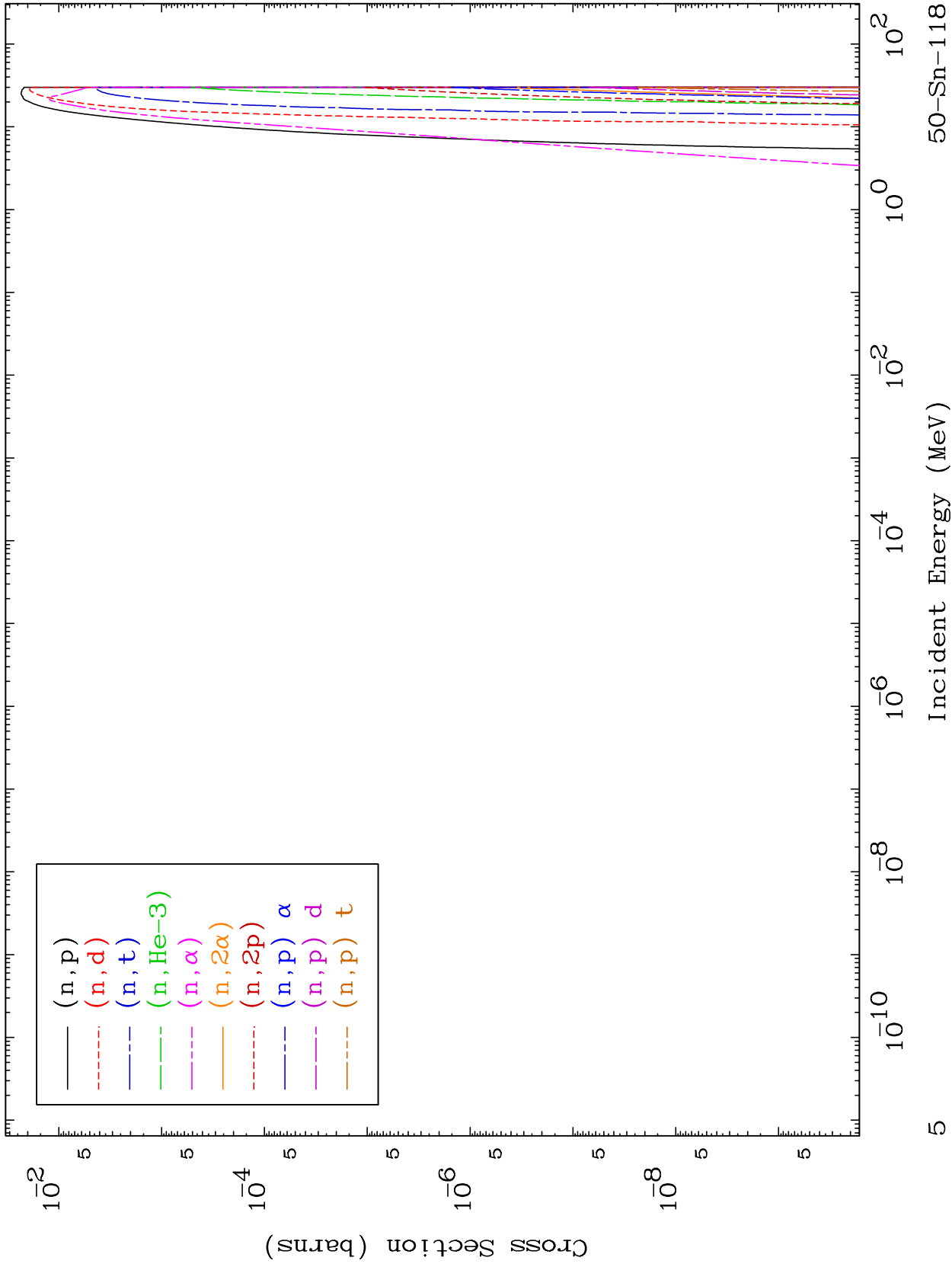
Incident Energy (MeV)

4

MAT 5043

Charged Particle
293 Kelvin Cross Sections

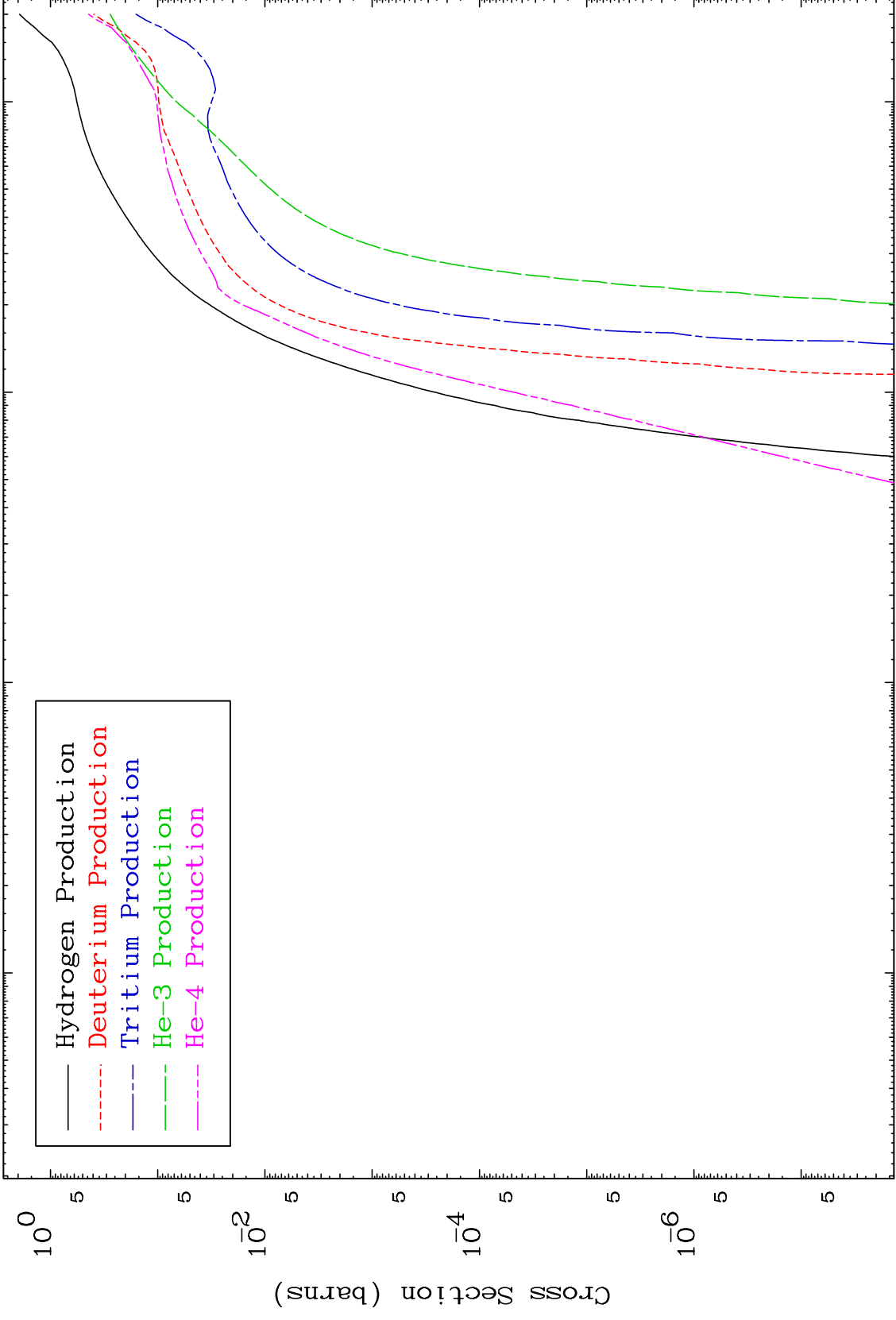
50-Sn-118



MAT 5043

Particle Production
293 Kelvin Cross Sections

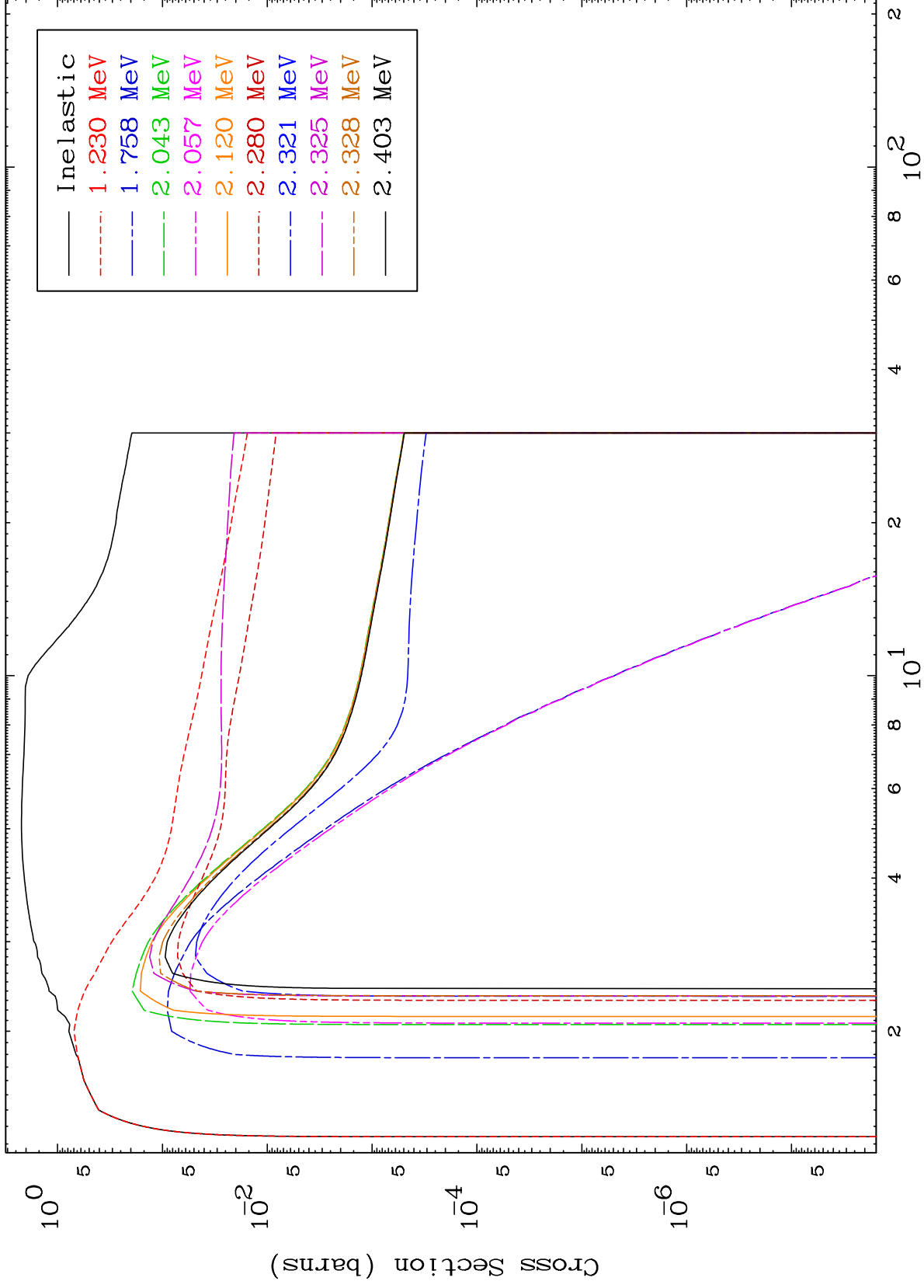
50-Sn-118



MAT 5043

(n,n') Level
293 Kelvin Cross Sections

50-Sn-118



7

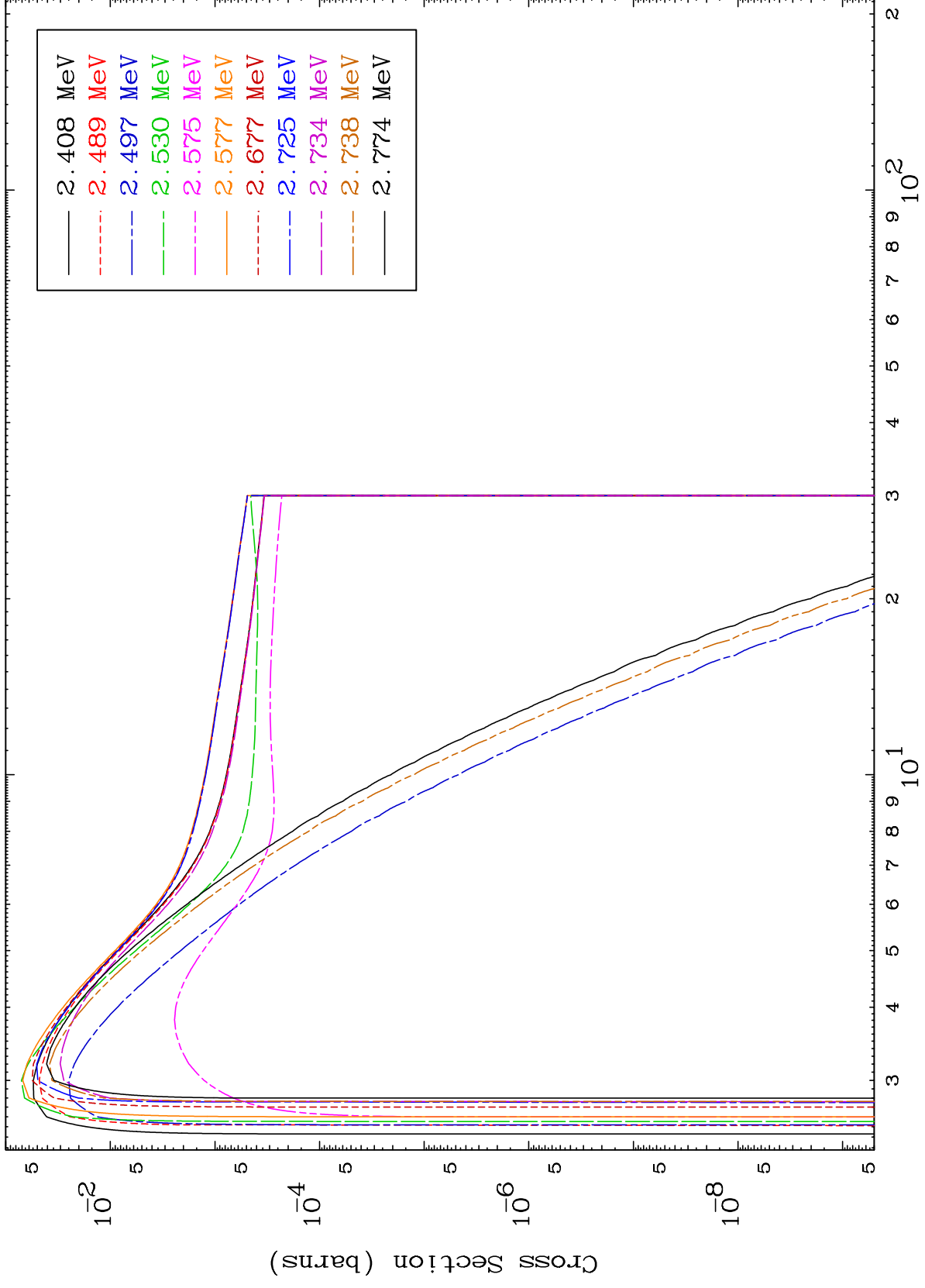
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,n') Level
293 Kelvin Cross Sections

50-Sn-118



8

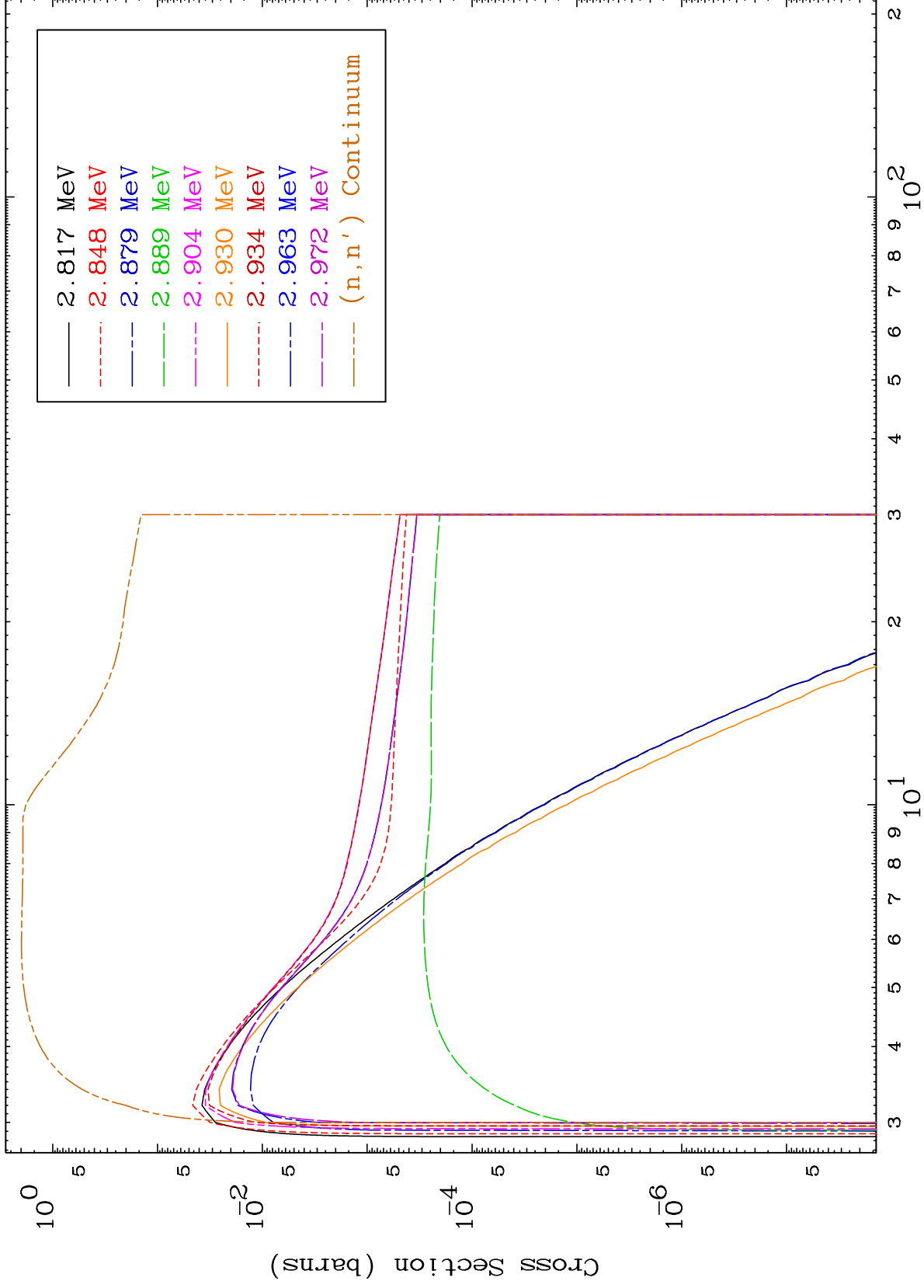
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,n') Level
293 Kelvin Cross Sections

50-Sn-118



9

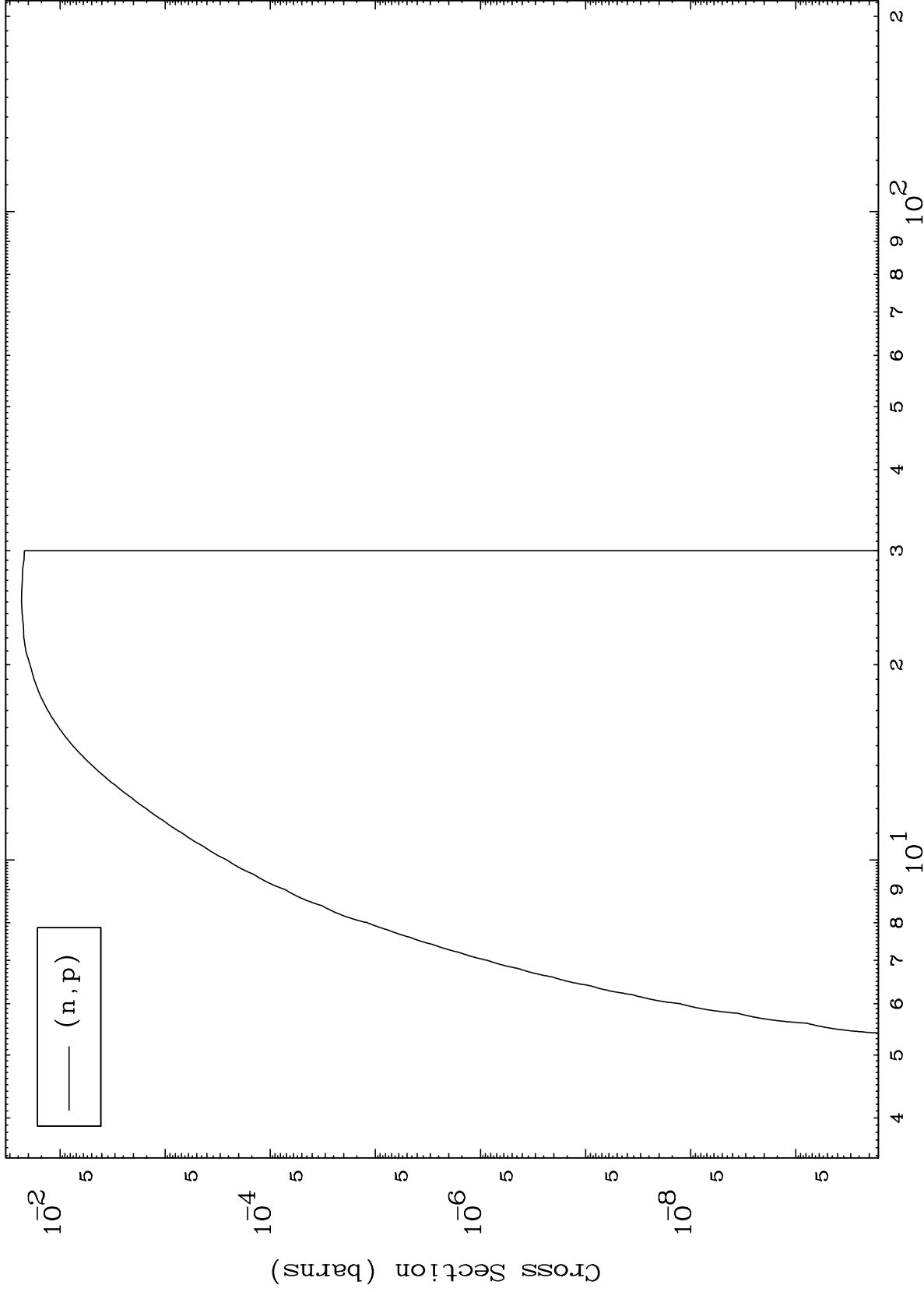
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-118



10

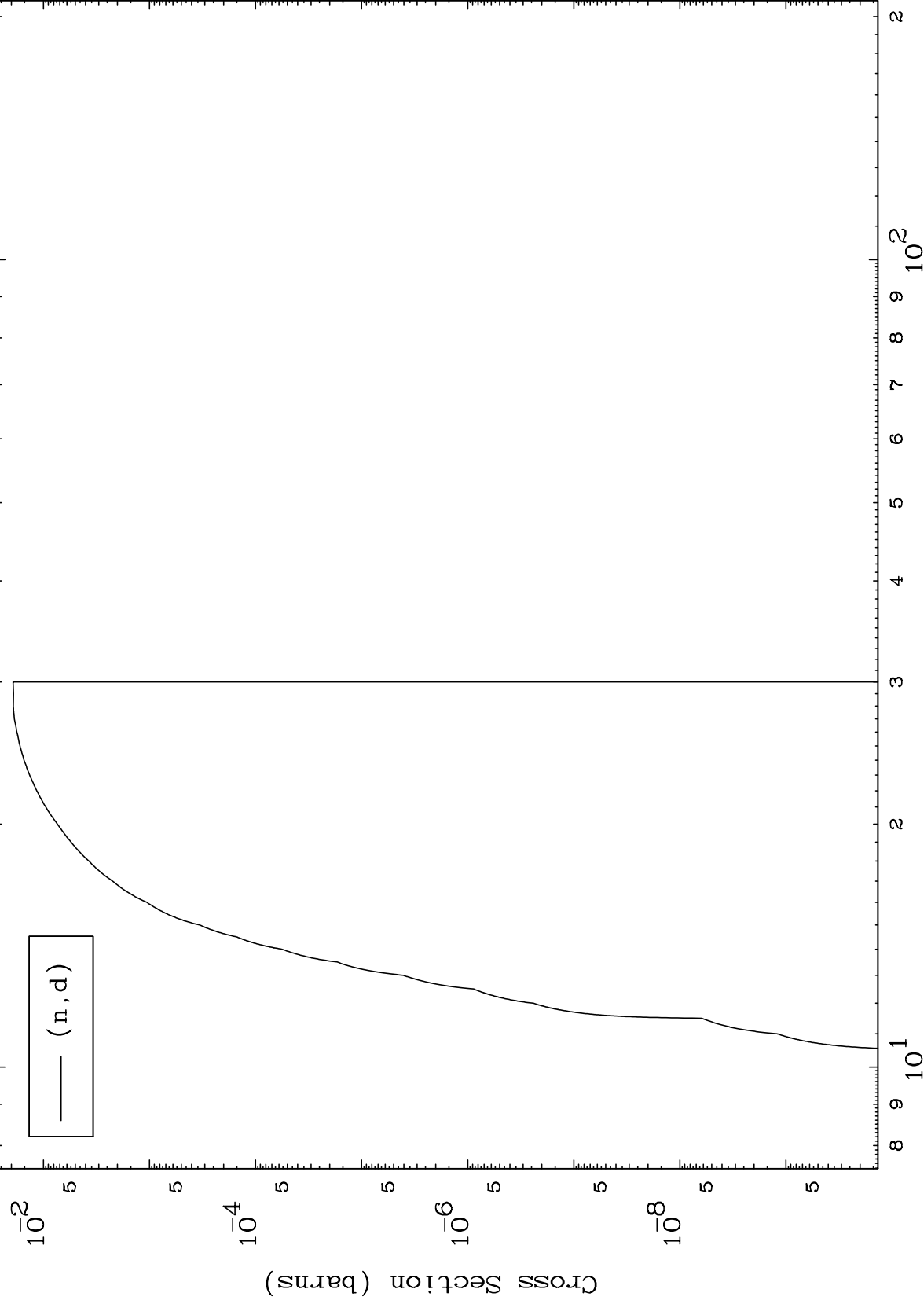
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,d) Levels
293 Kelvin Cross Sections

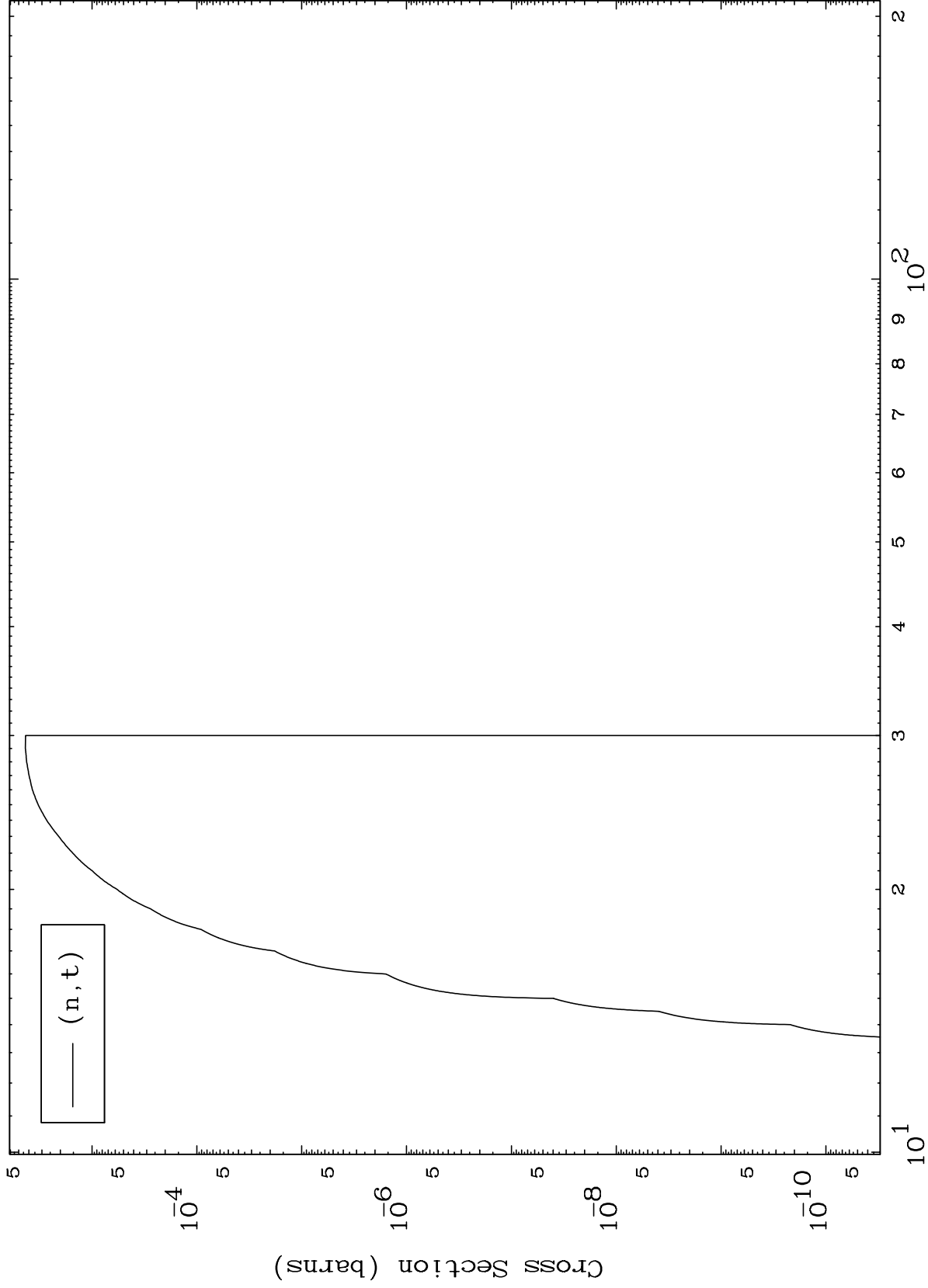
50-Sn-118



MAT 5043

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-118



Incident Energy (MeV)

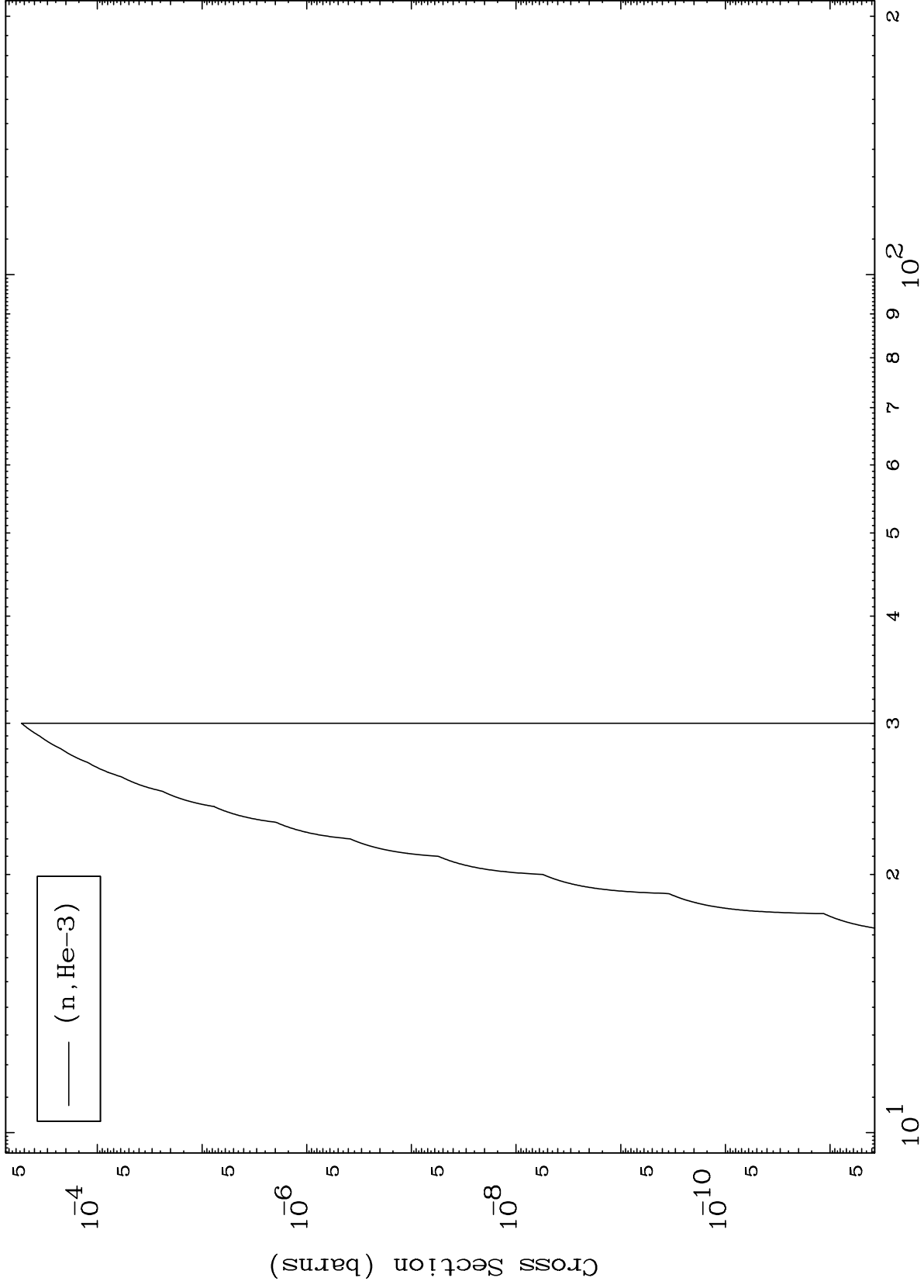
50-Sn-118

12

MAT 5043

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-118



13

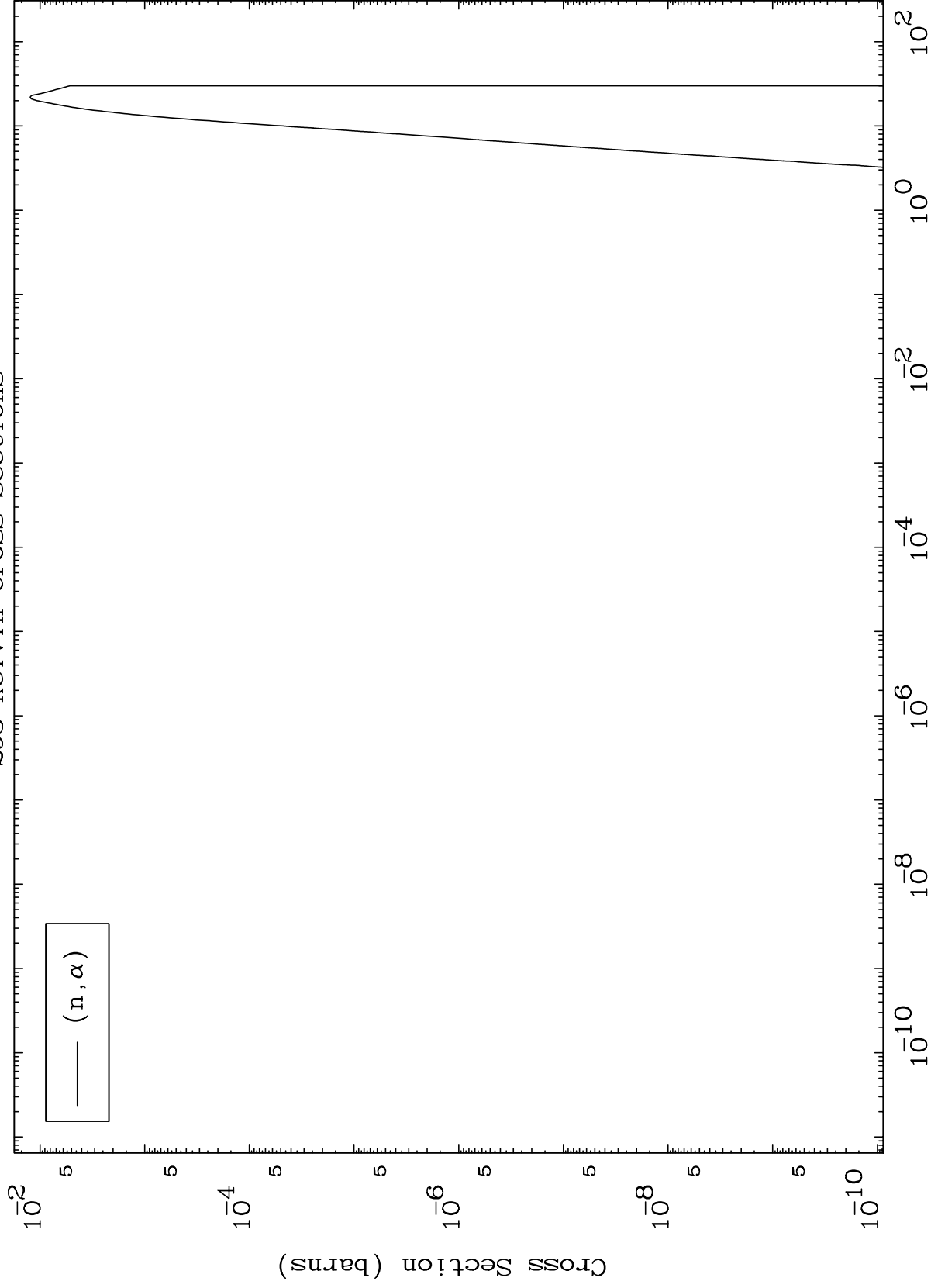
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-118



14

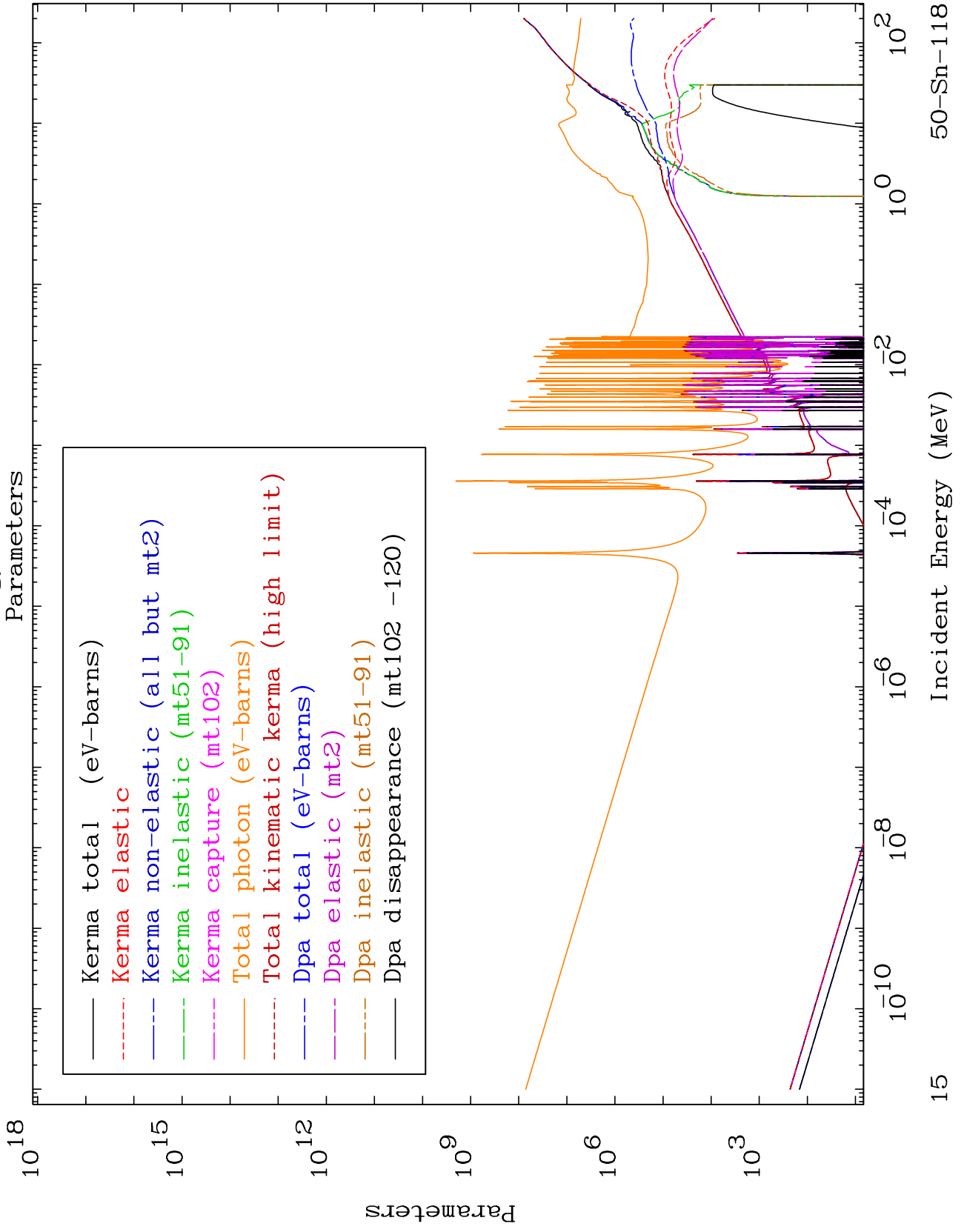
Incident Energy (MeV)

50-Sn-118

MAT 5043

Energy Release
Parameters

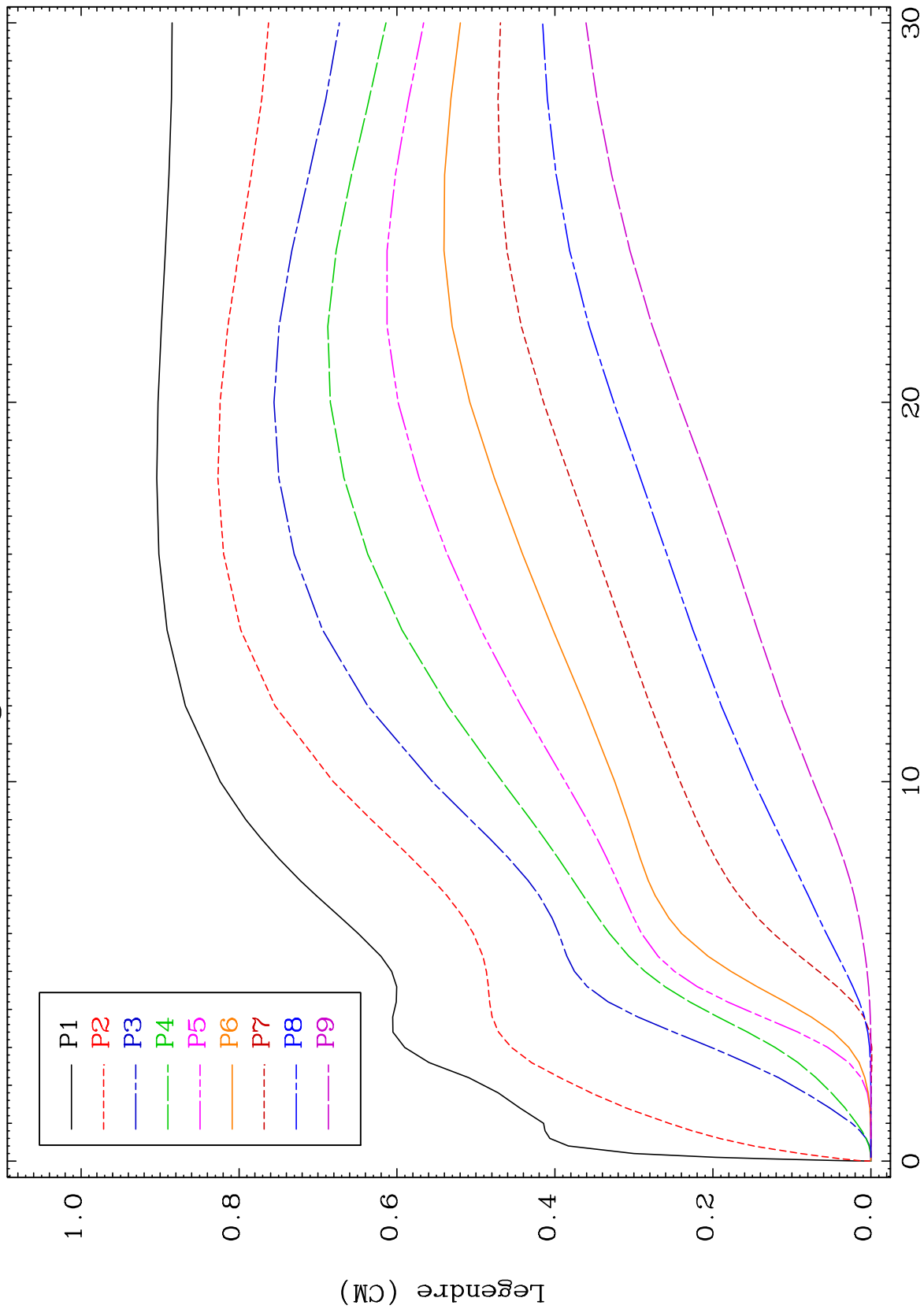
50-Sn-118



MAT 5043

Elastic Legendre Coefficients

50-Sn-118



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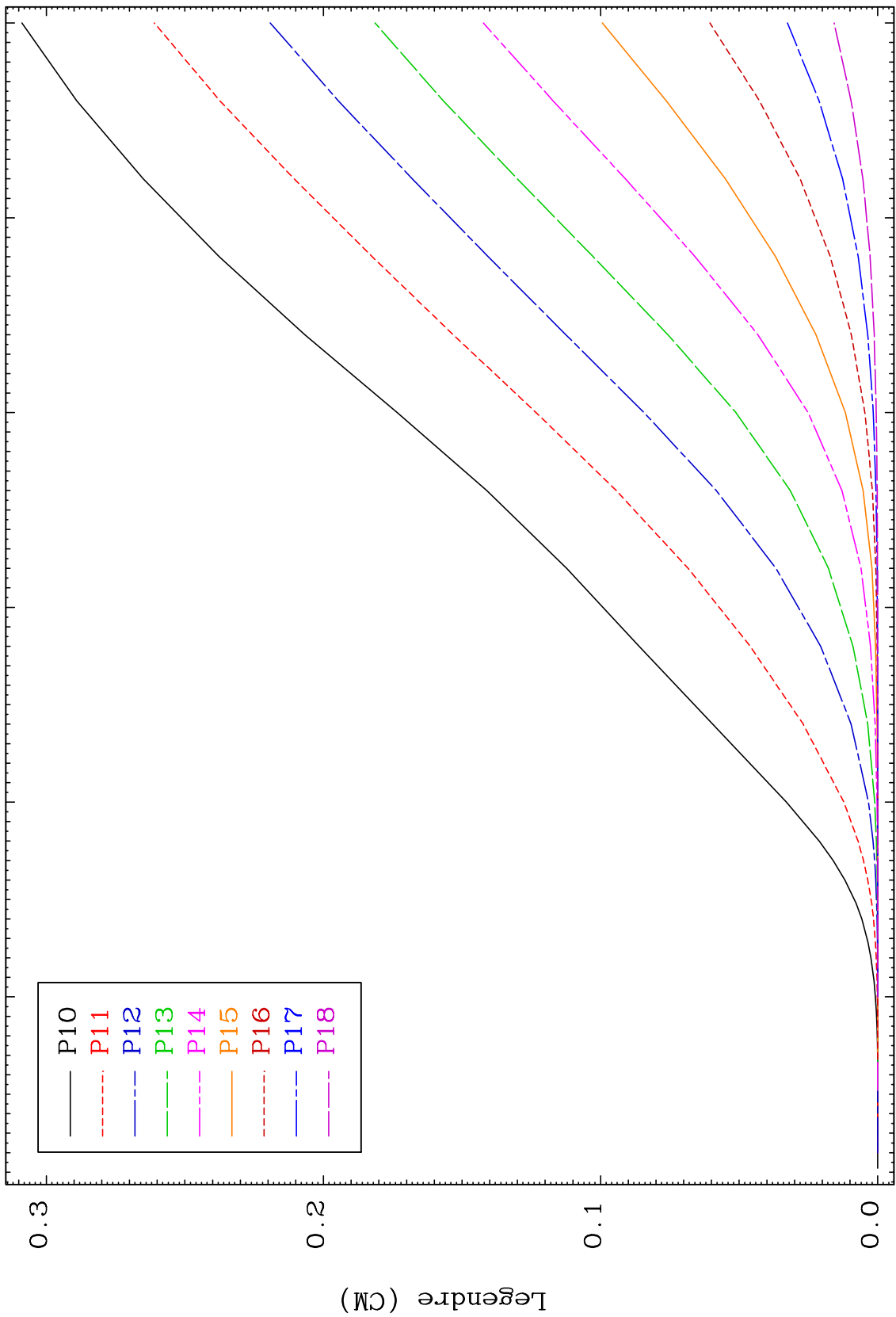
Incident Energy (MeV)

50-Sn-118

MAT 5043

Elastic Legendre Coefficients

50-Sn-118



17

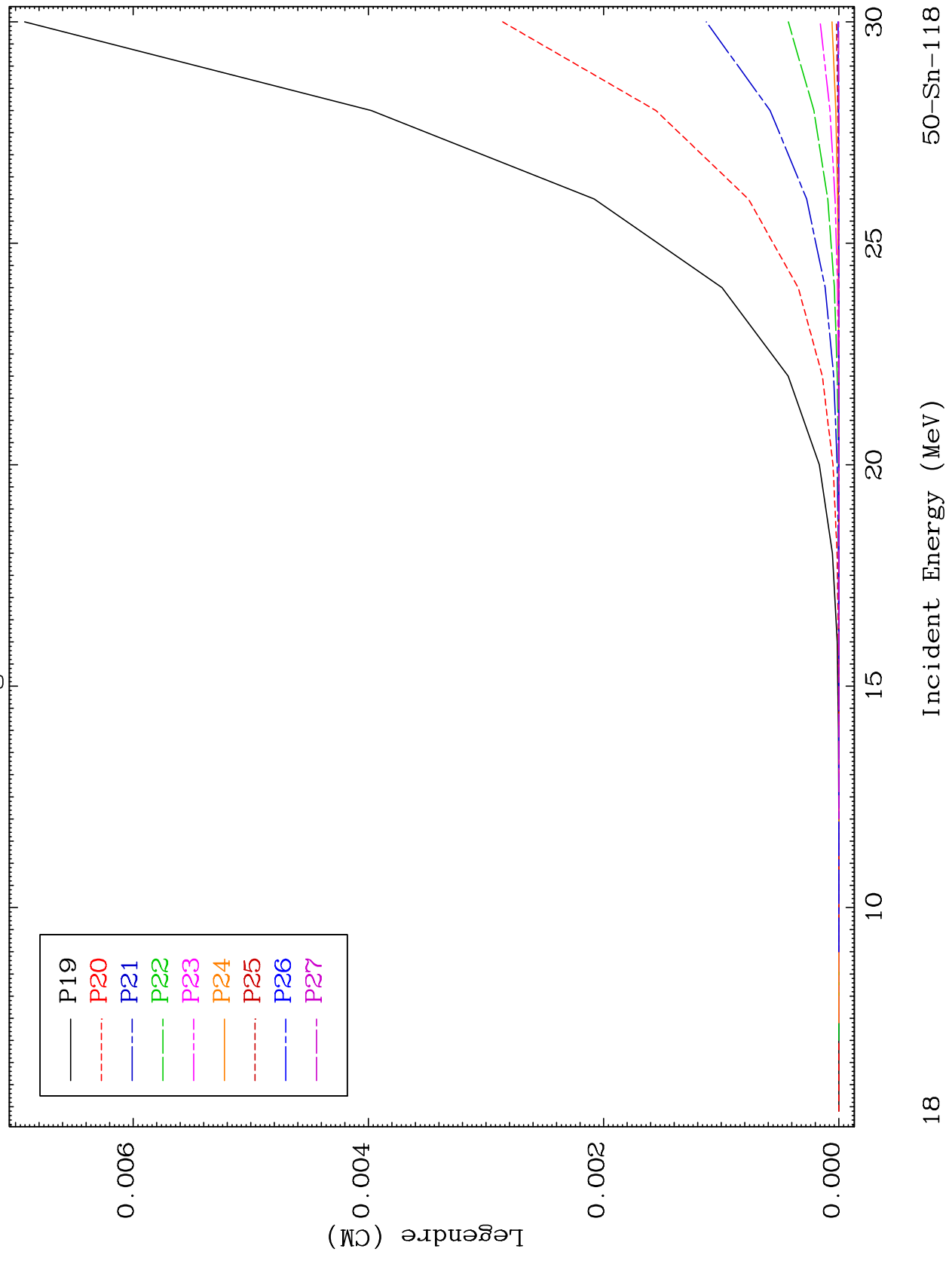
Incident Energy (MeV)

50-Sn-118

MAT 5043

Elastic Legendre Coefficients

50-Sn-118



18

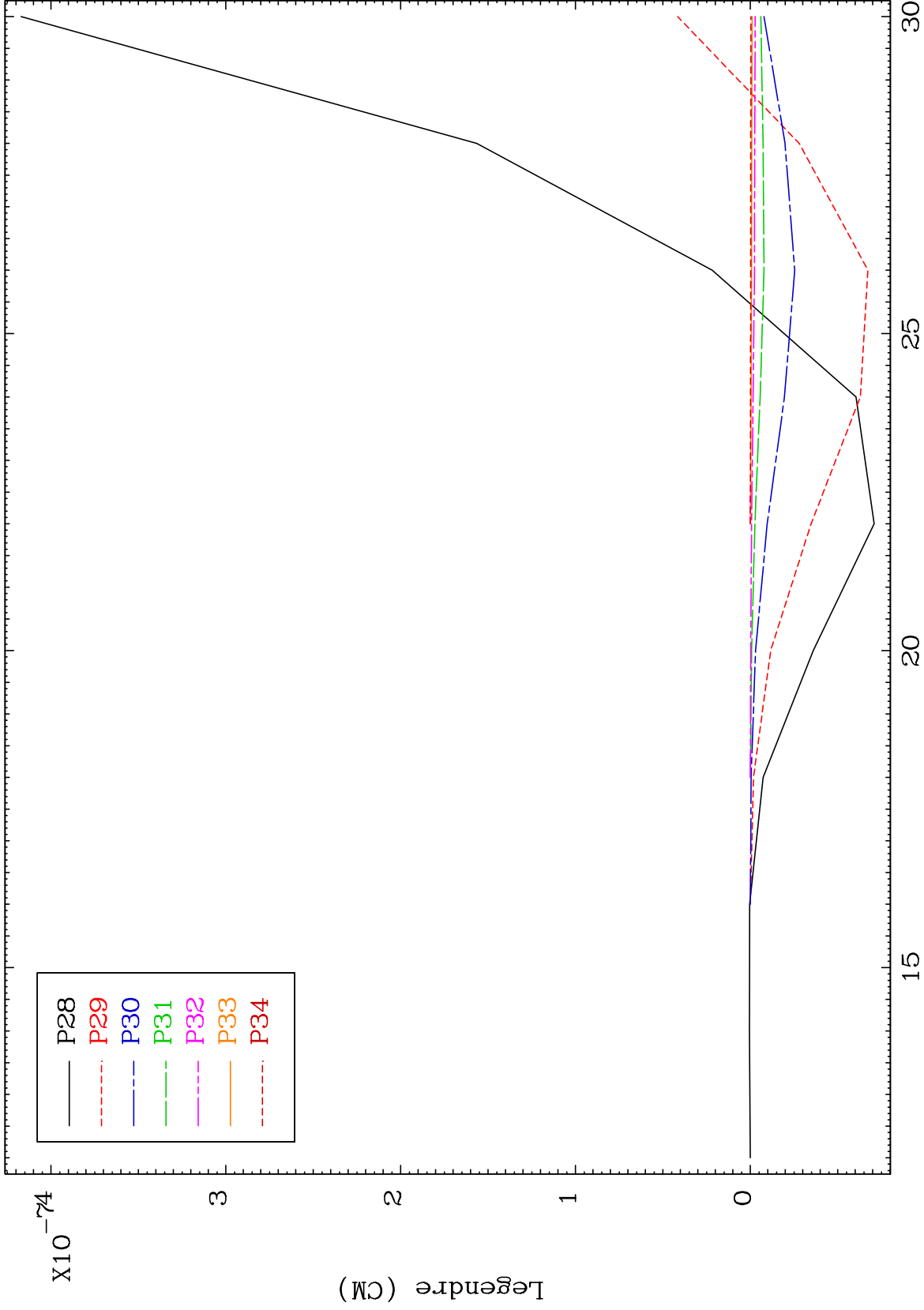
Incident Energy (MeV)

50-Sn-118

MAT 5043

Elastic Legendre Coefficients

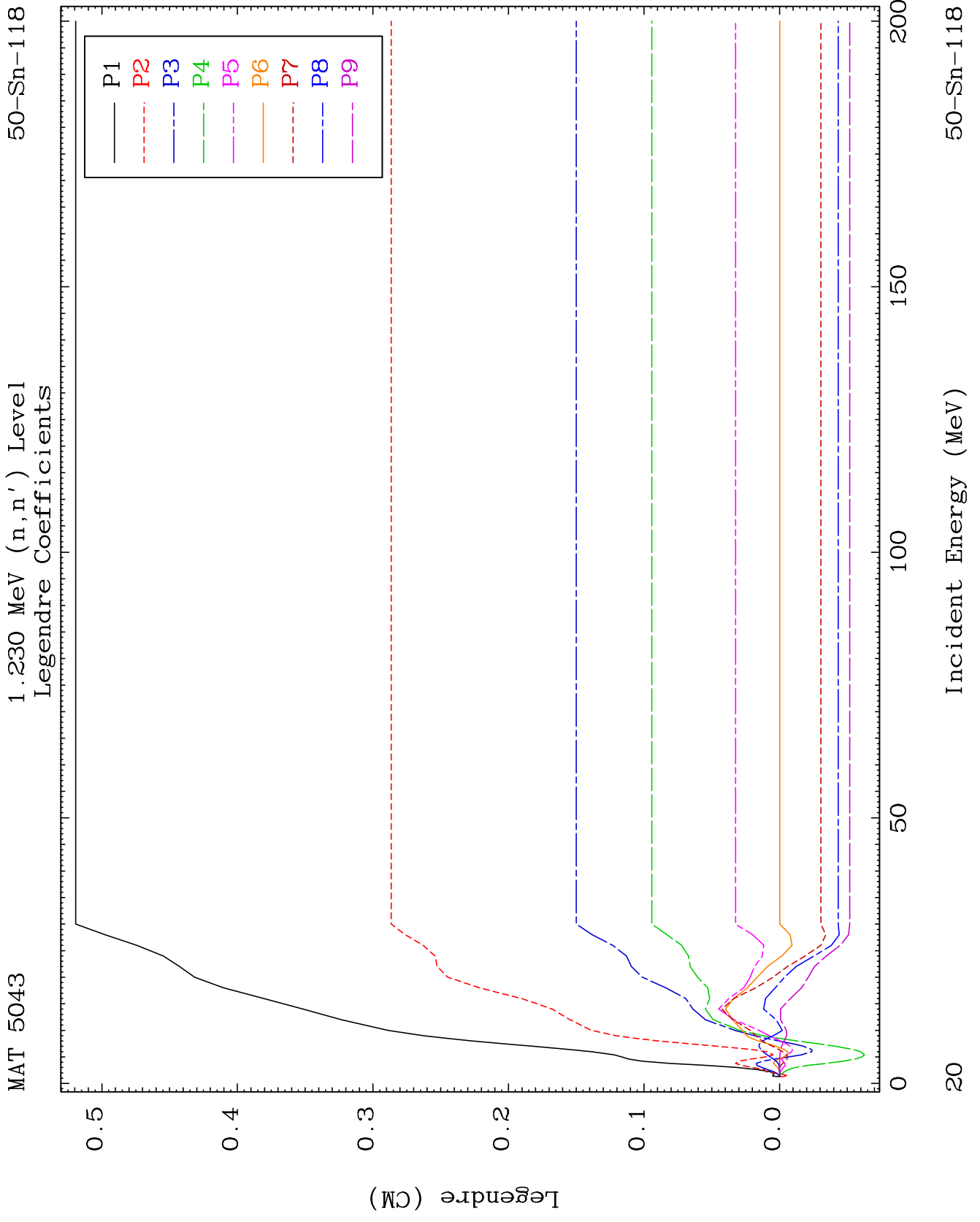
50-Sn-118

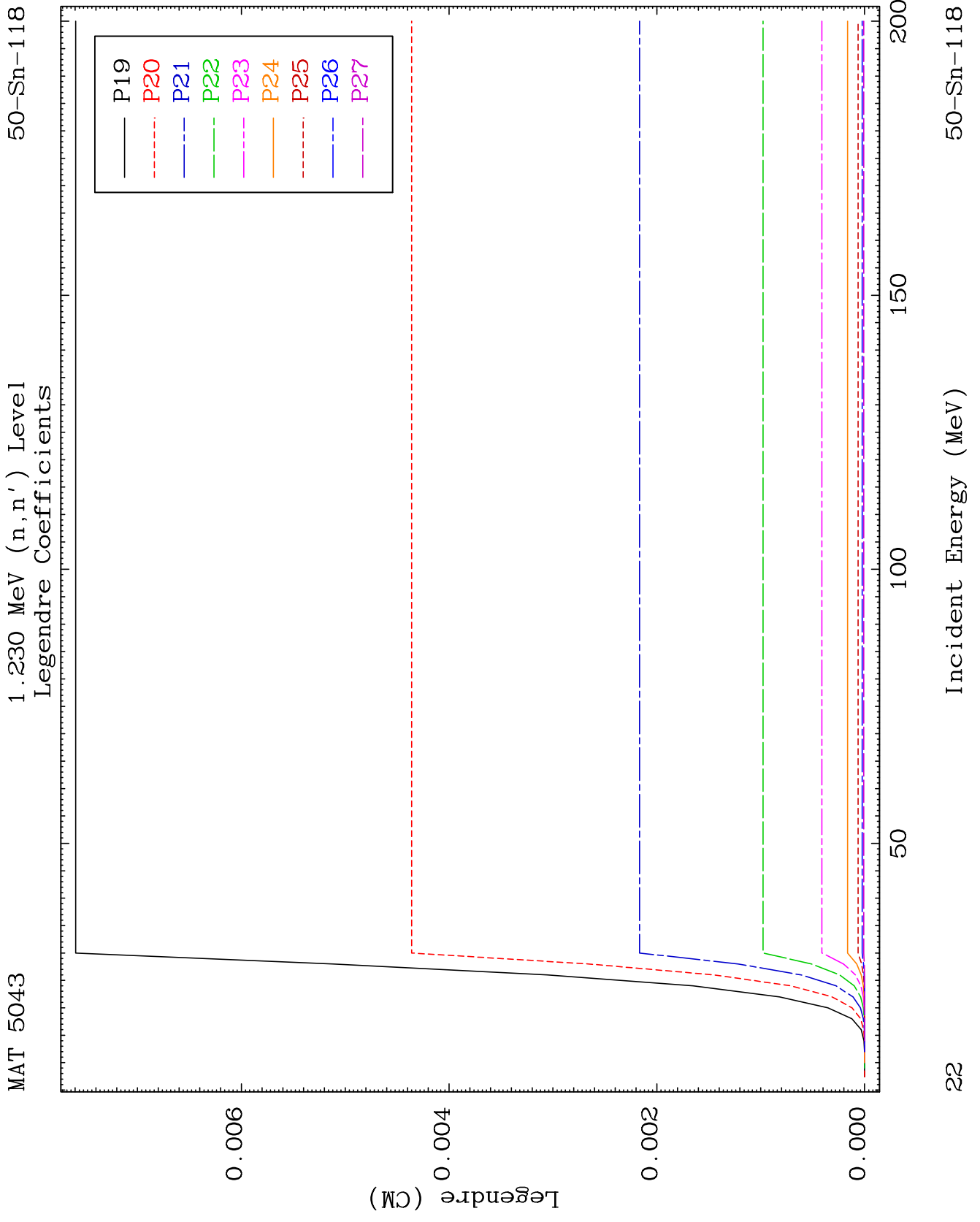


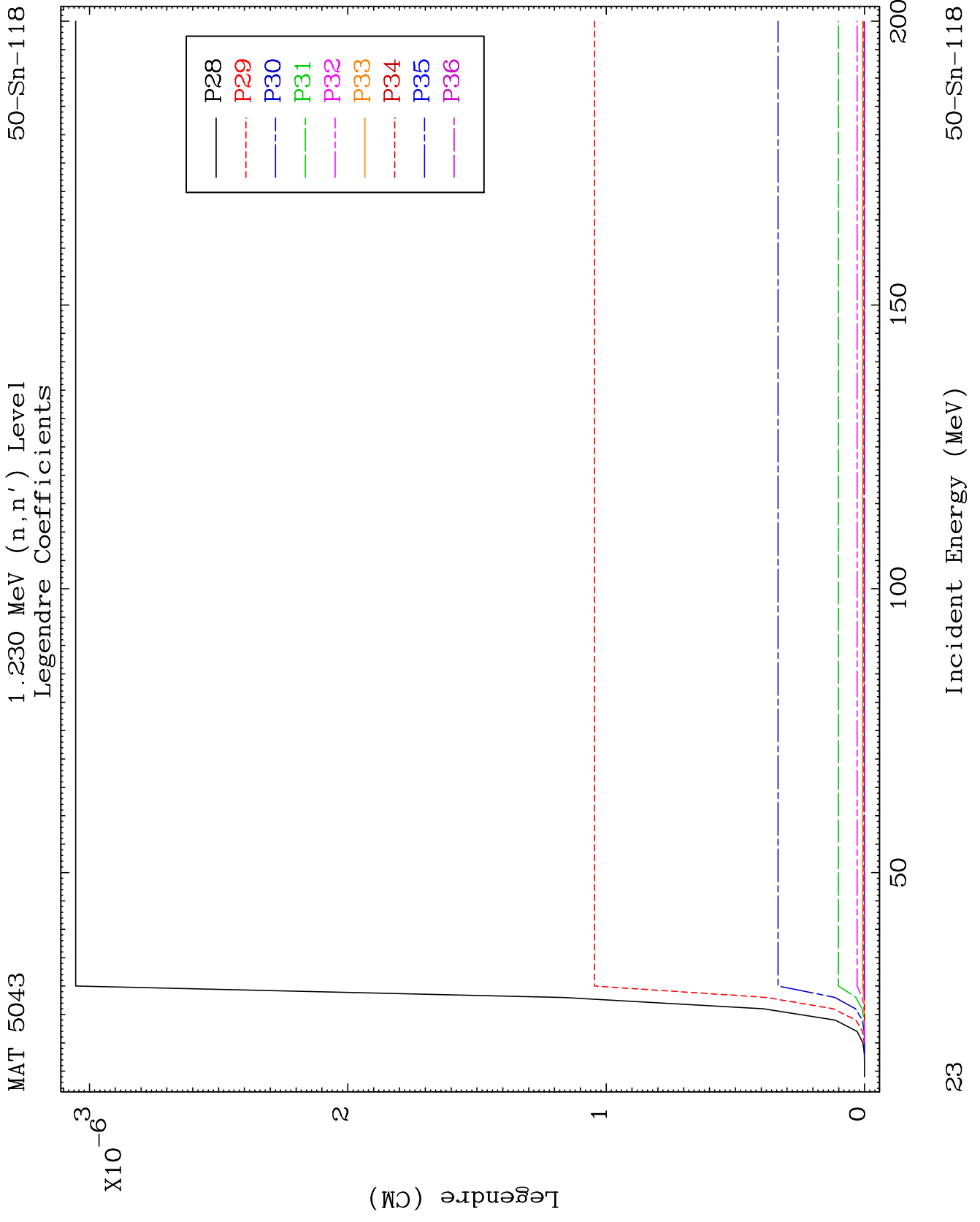
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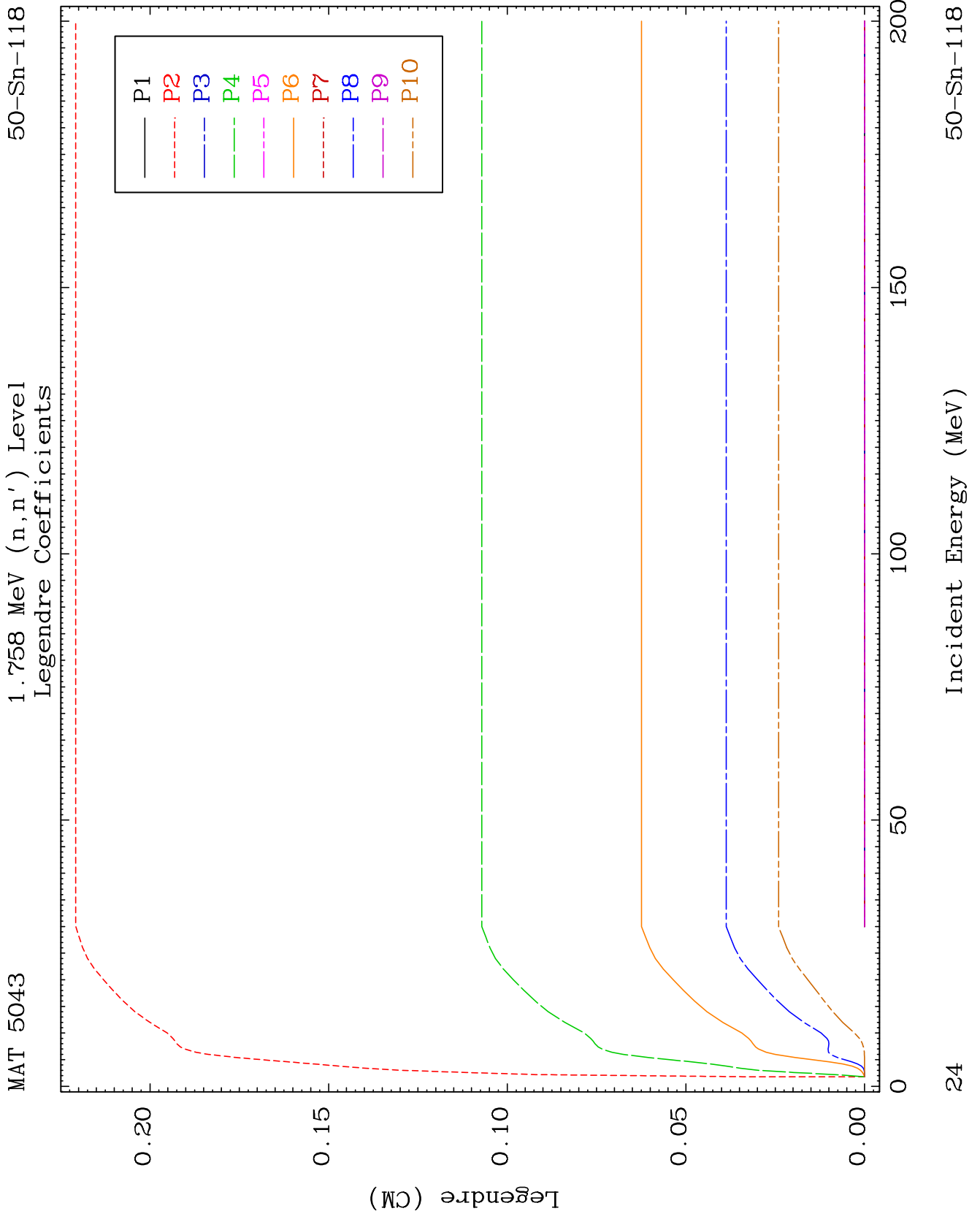
Incident Energy (MeV)

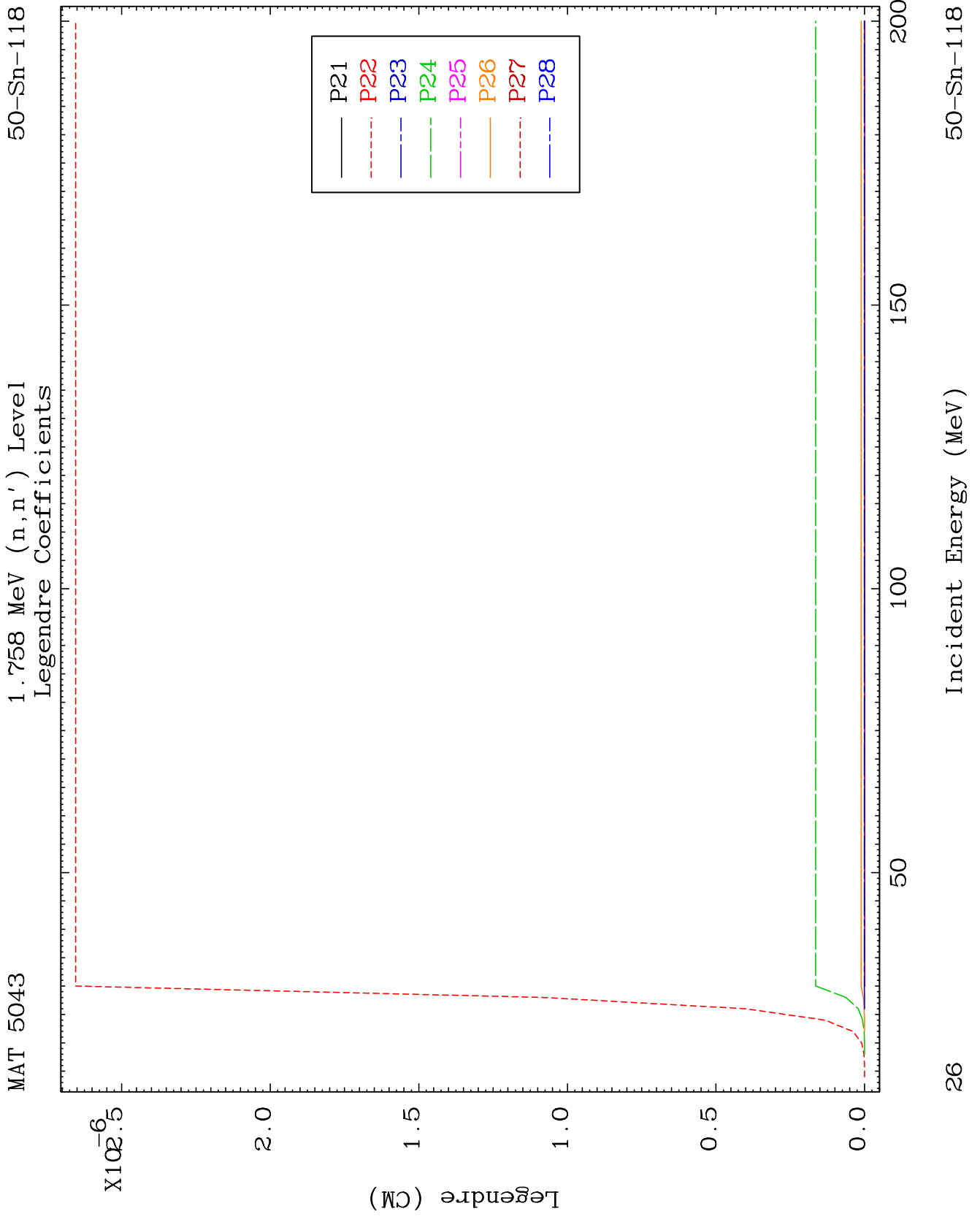
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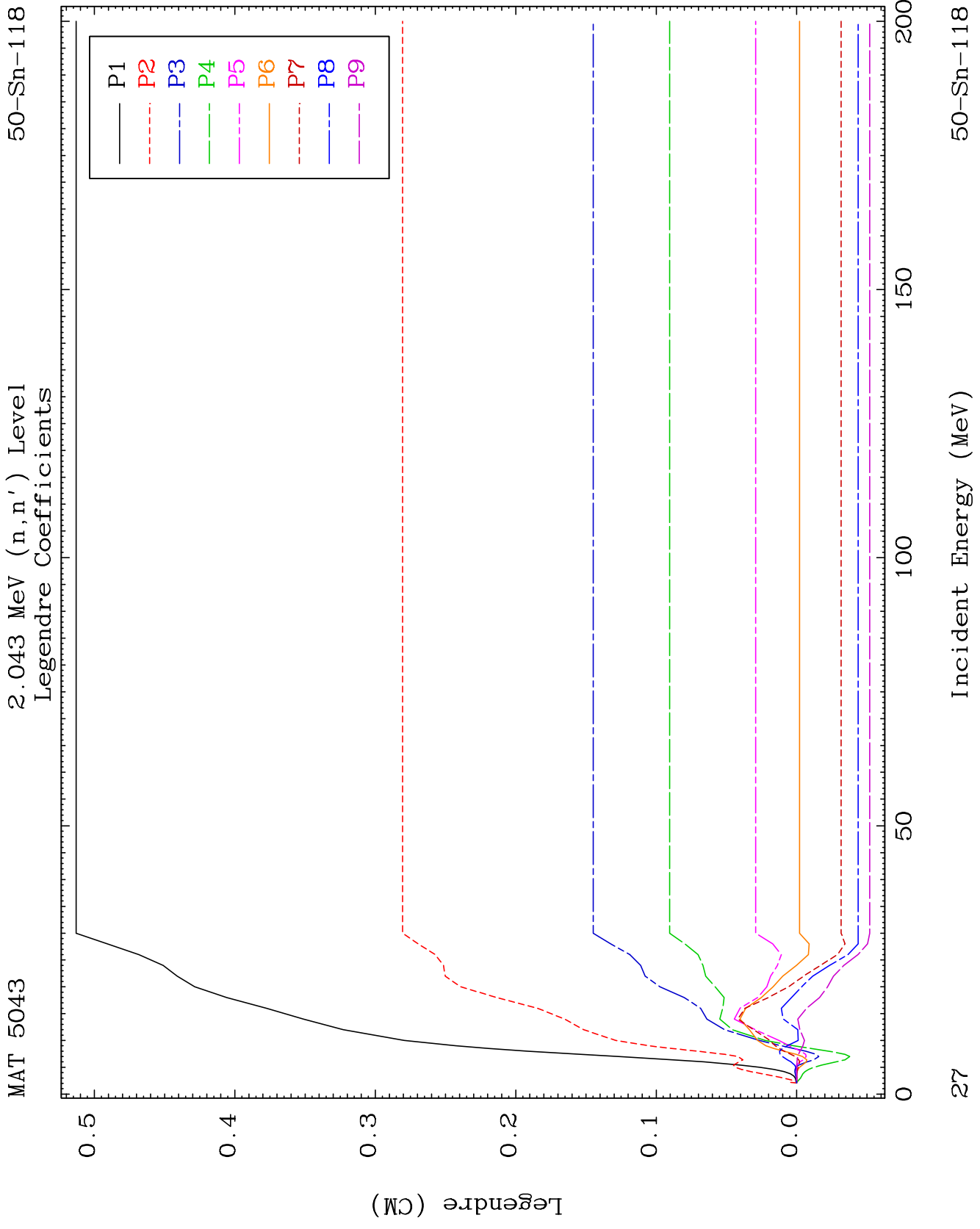


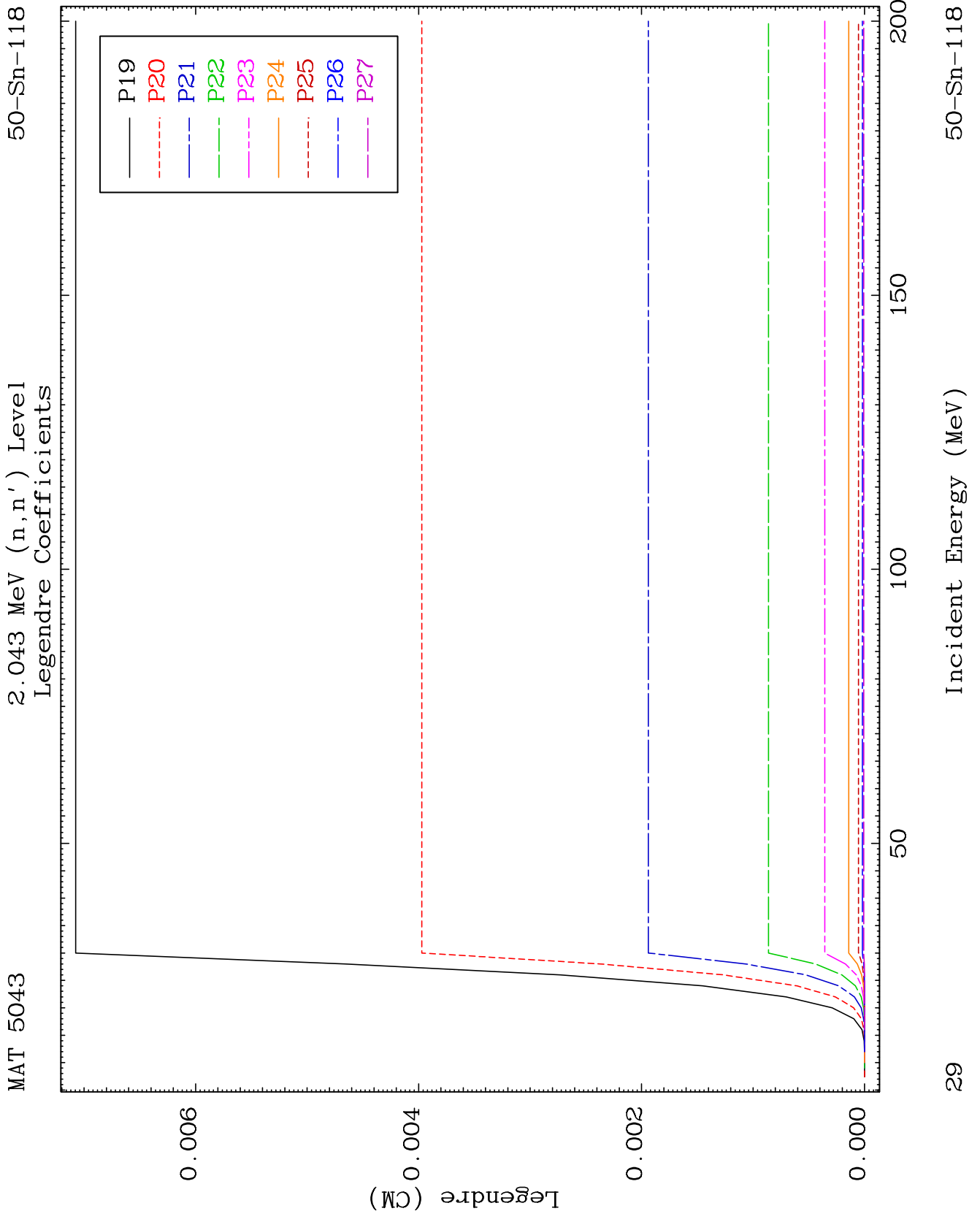


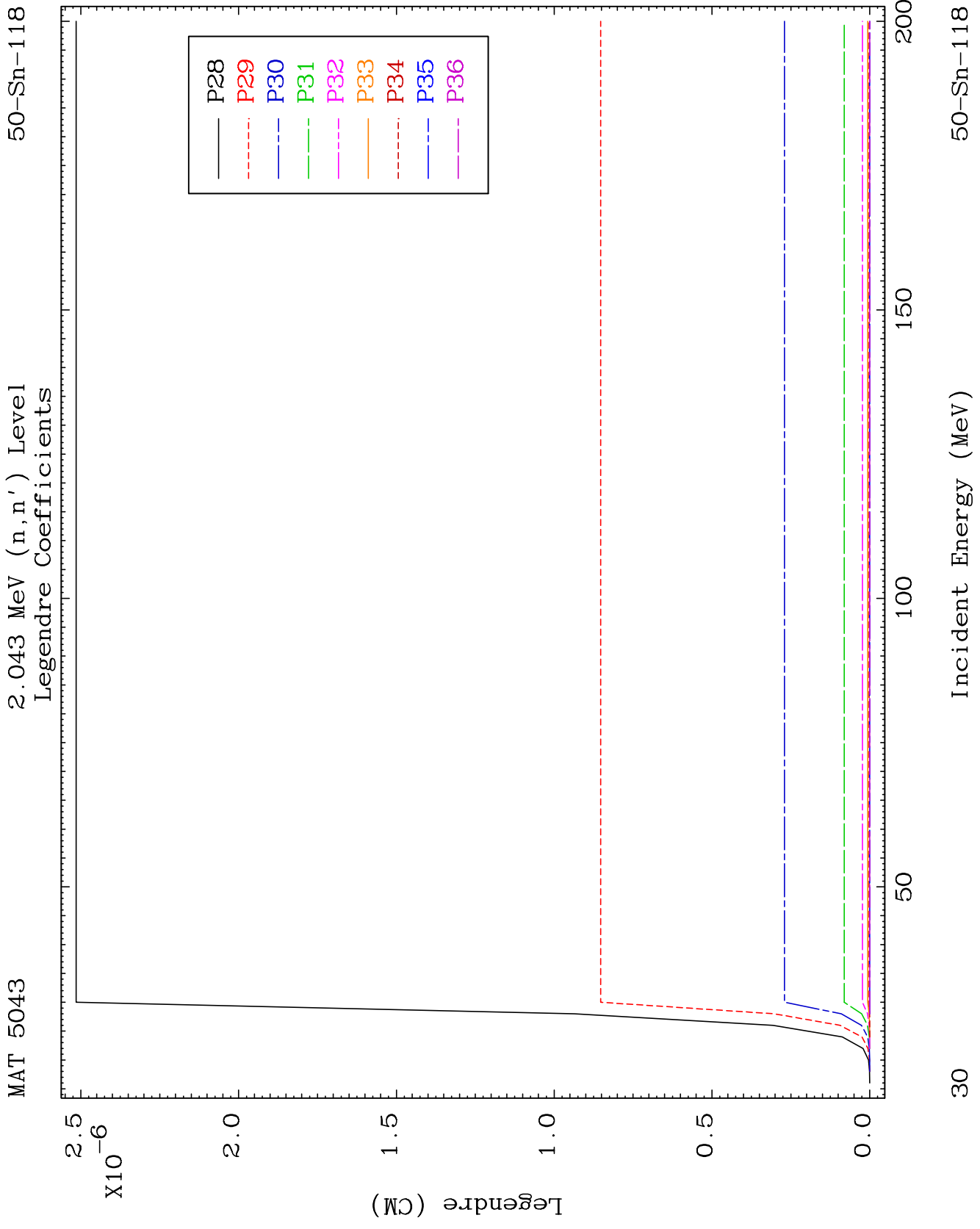


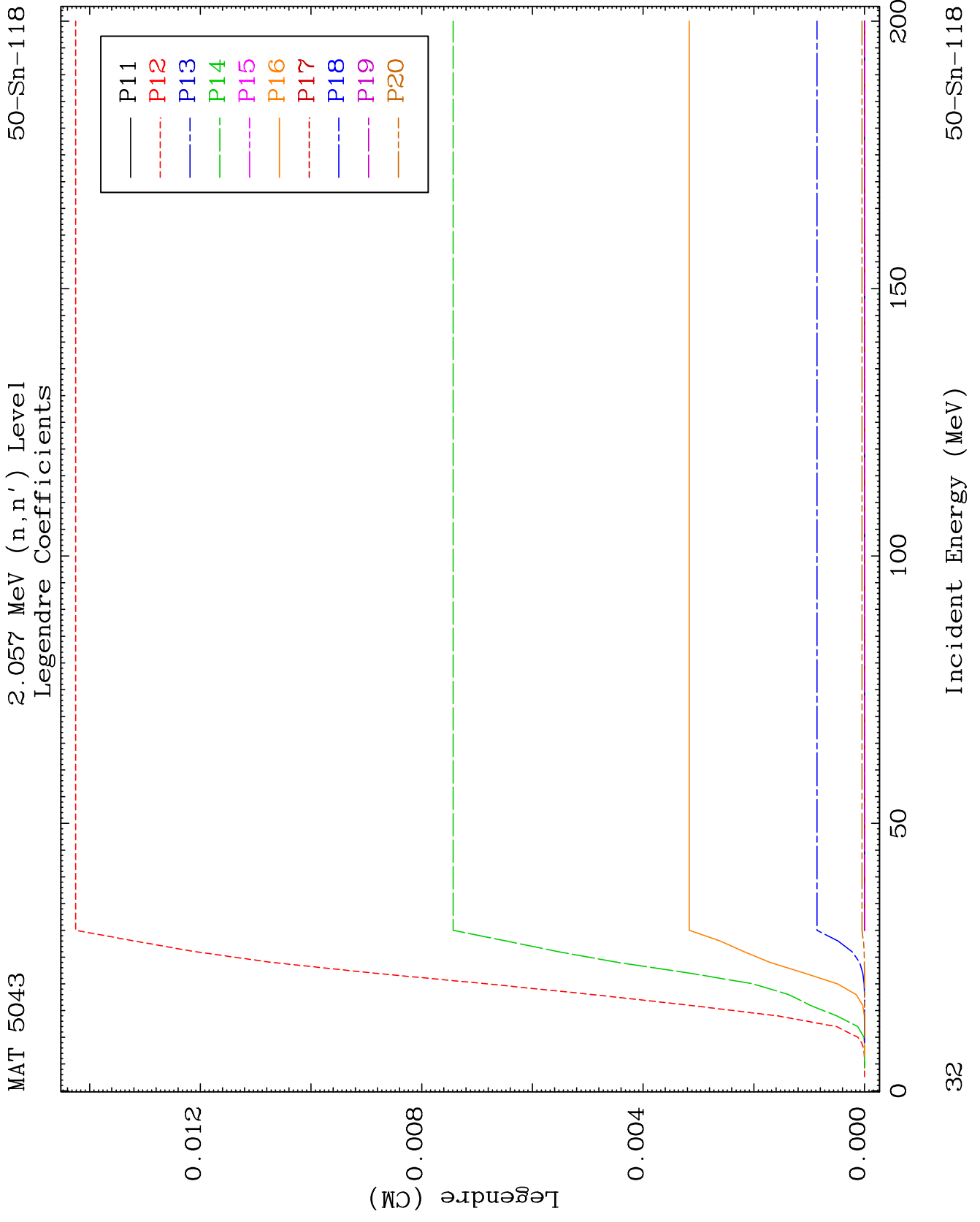


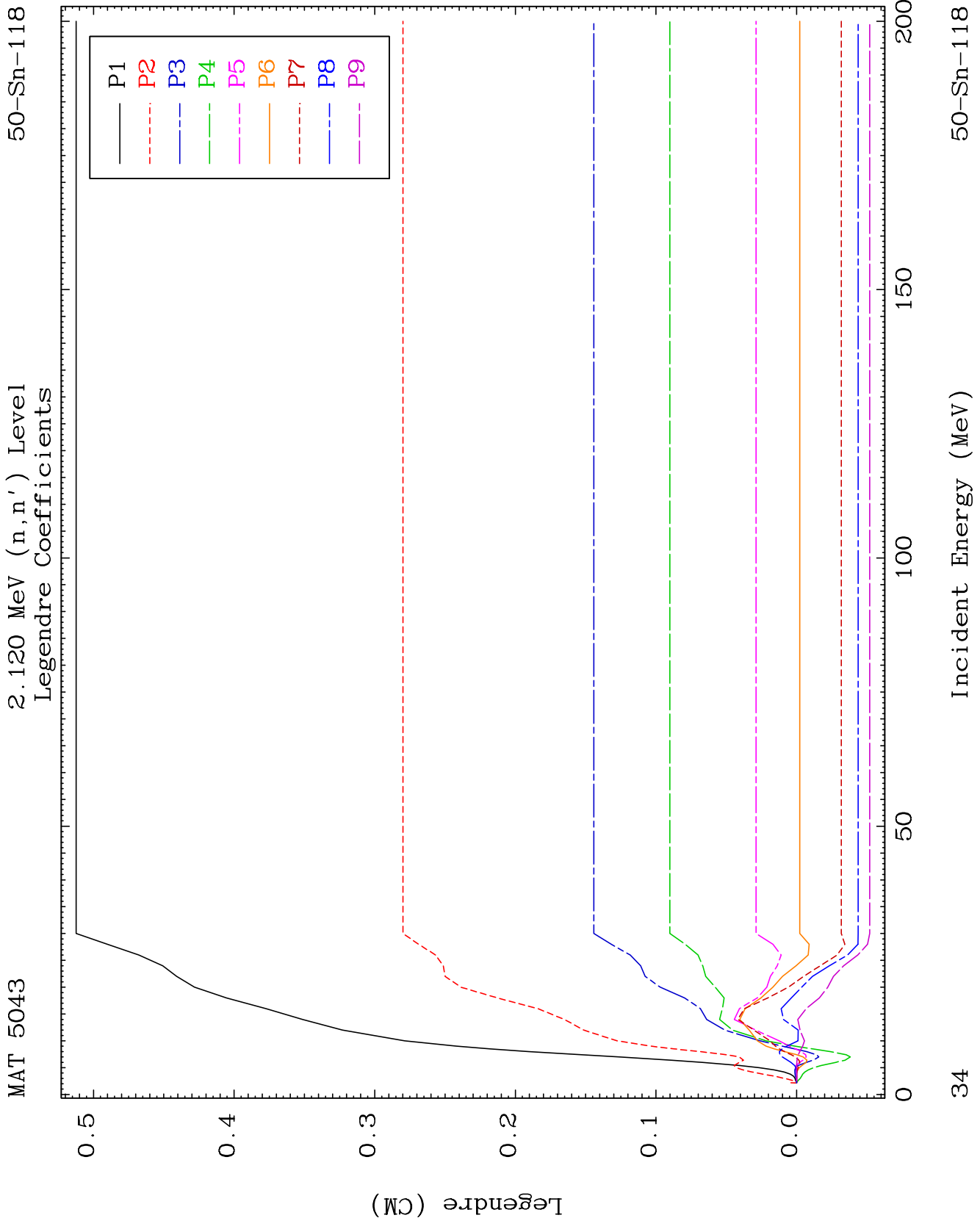


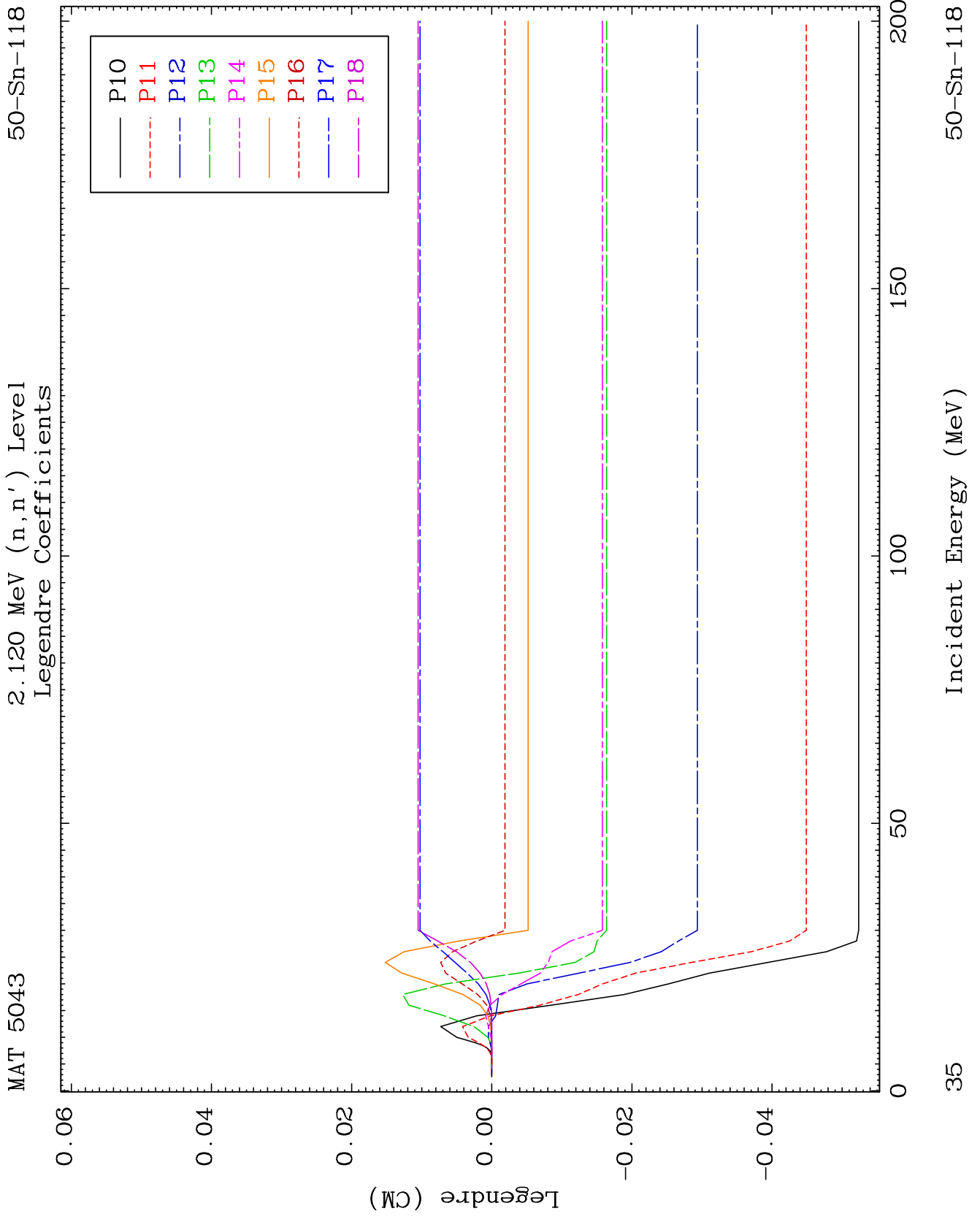


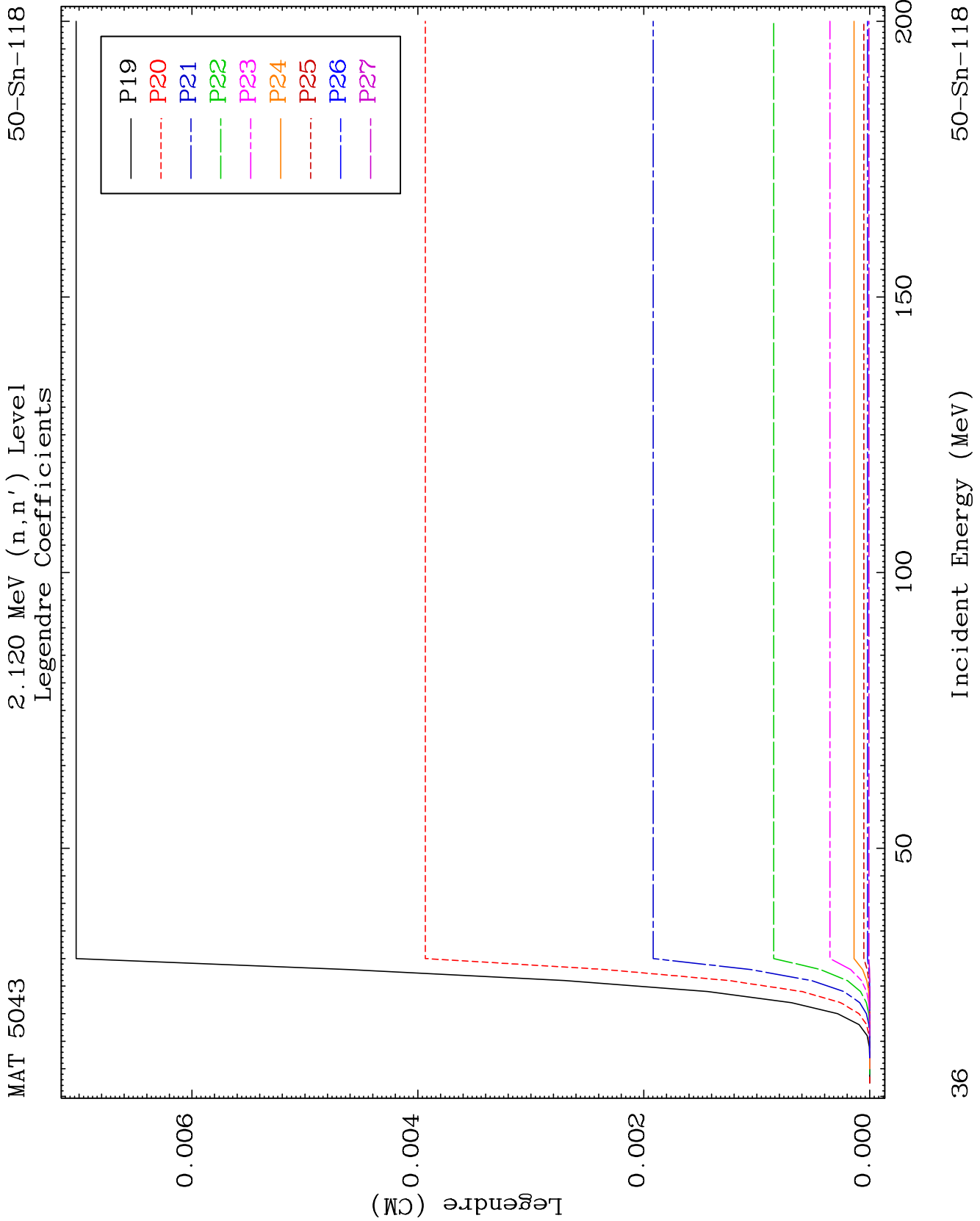


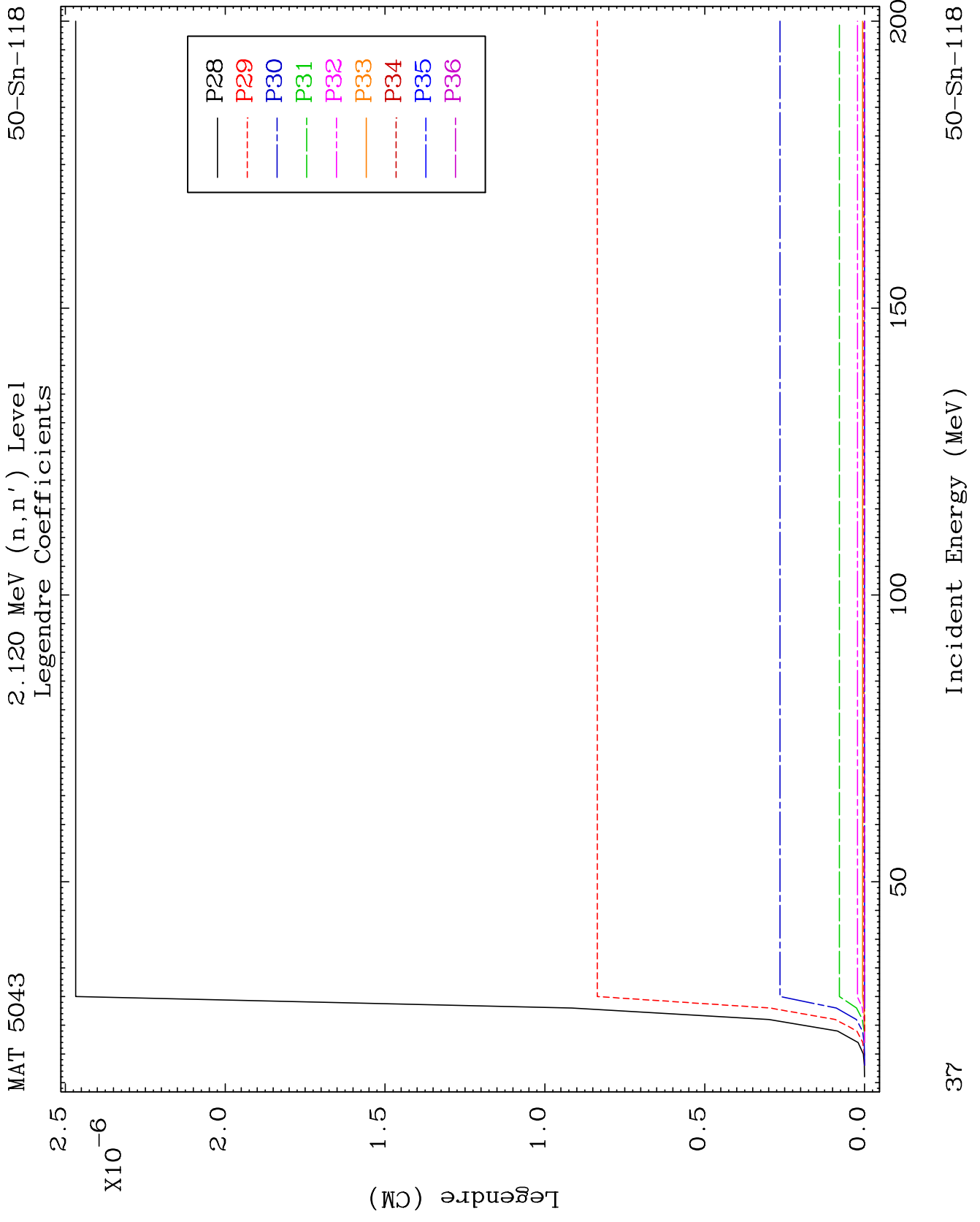


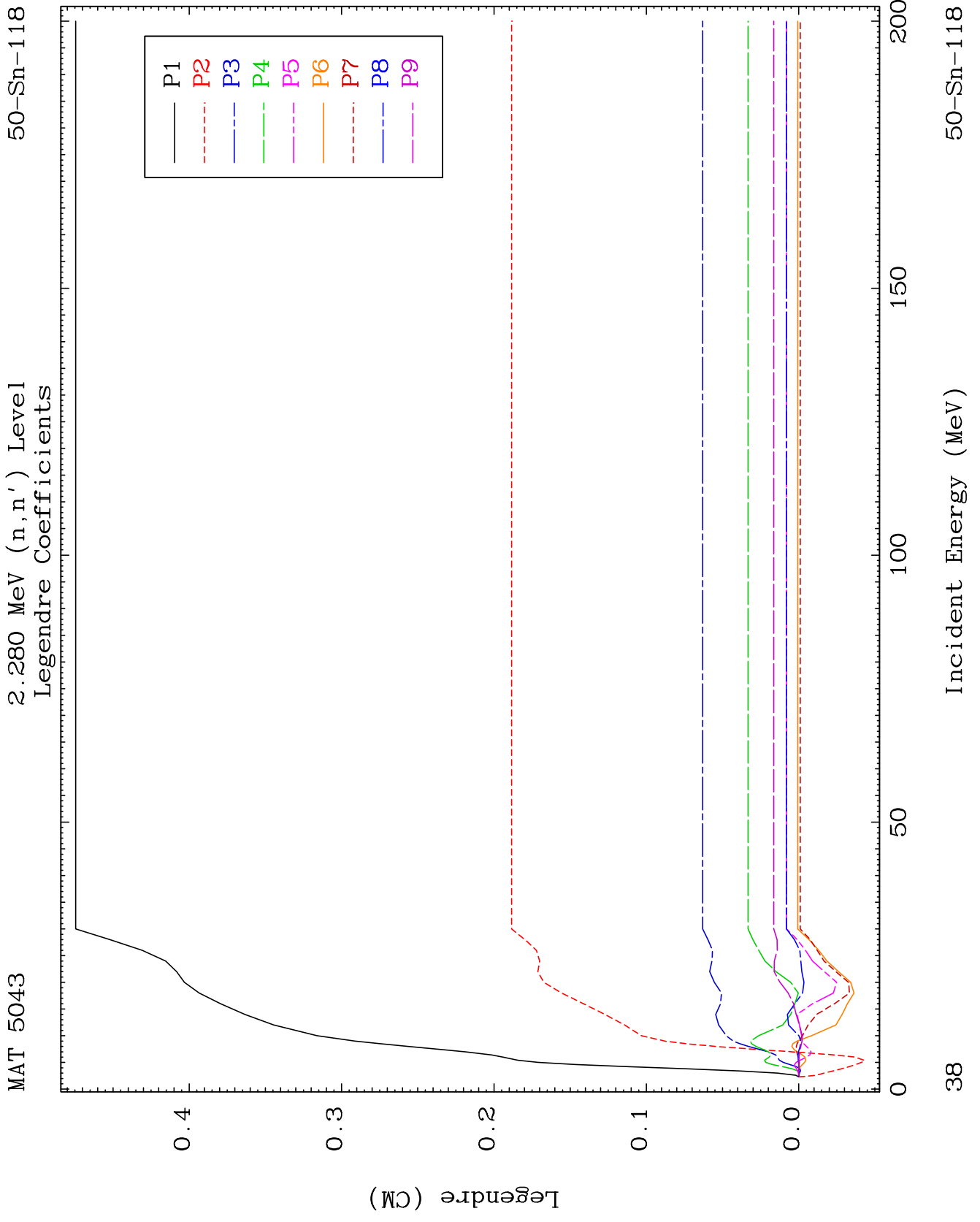








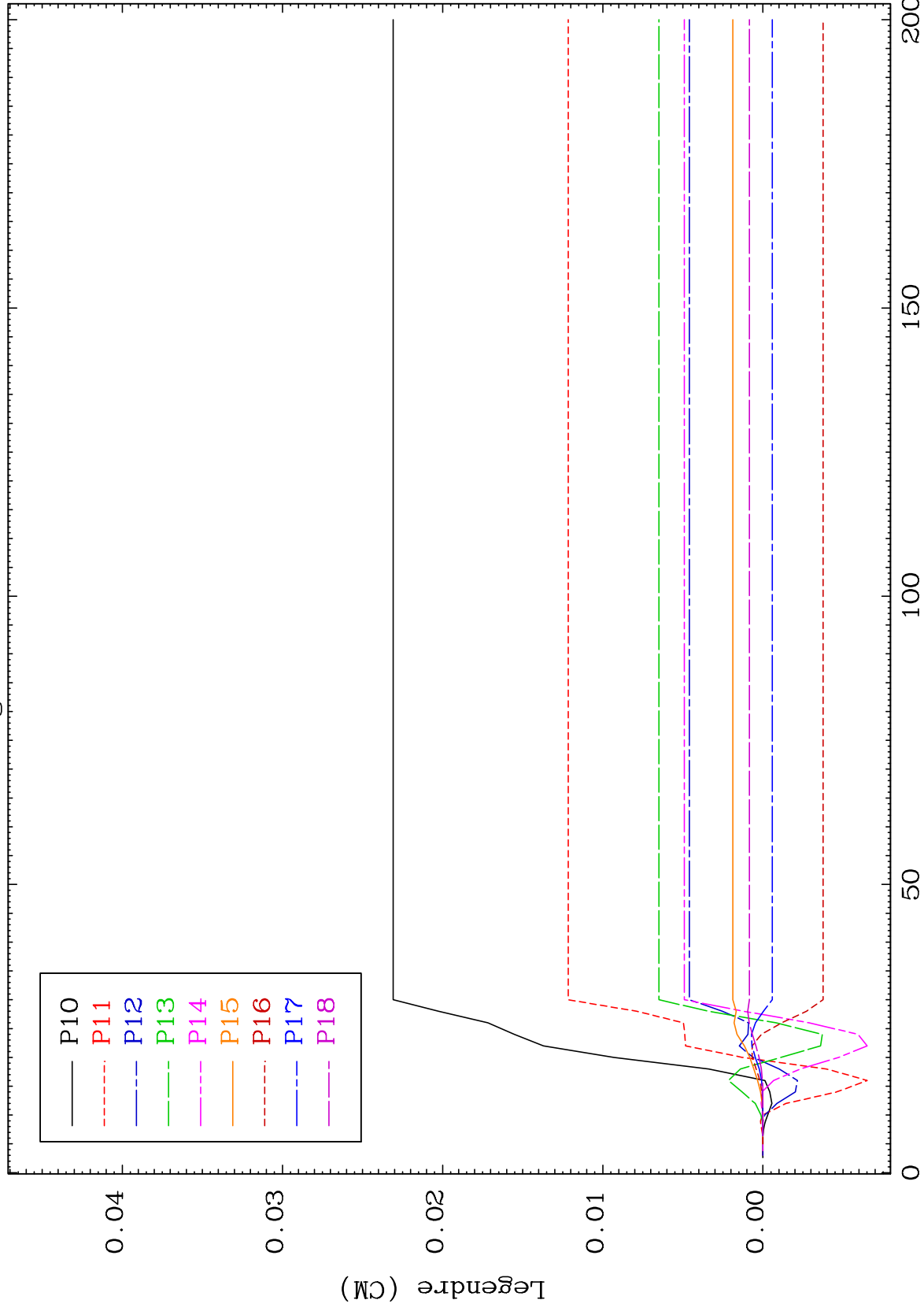




MAT 5043

2.280 MeV (n,n') Level
Legendre Coefficients

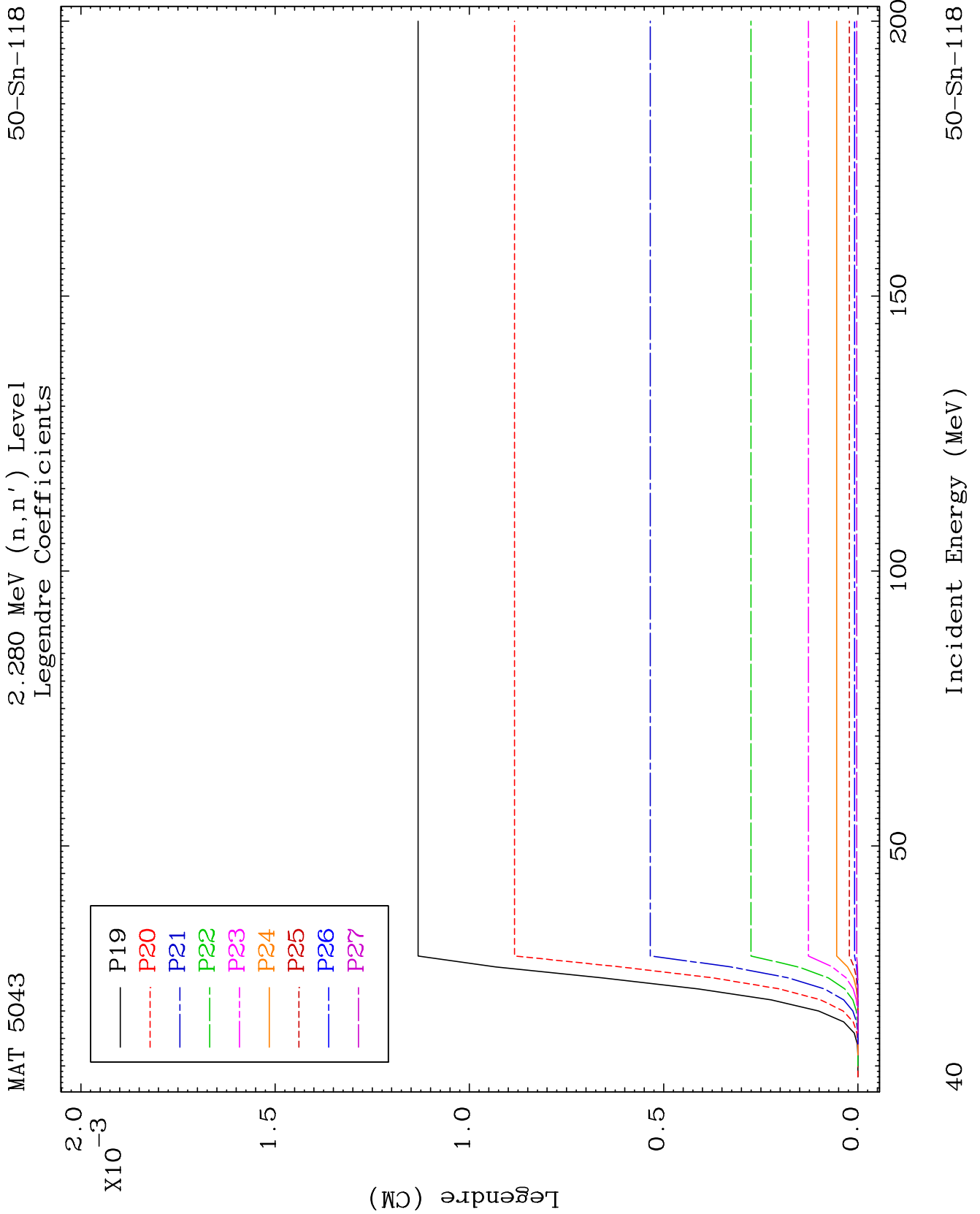
50-Sn-118

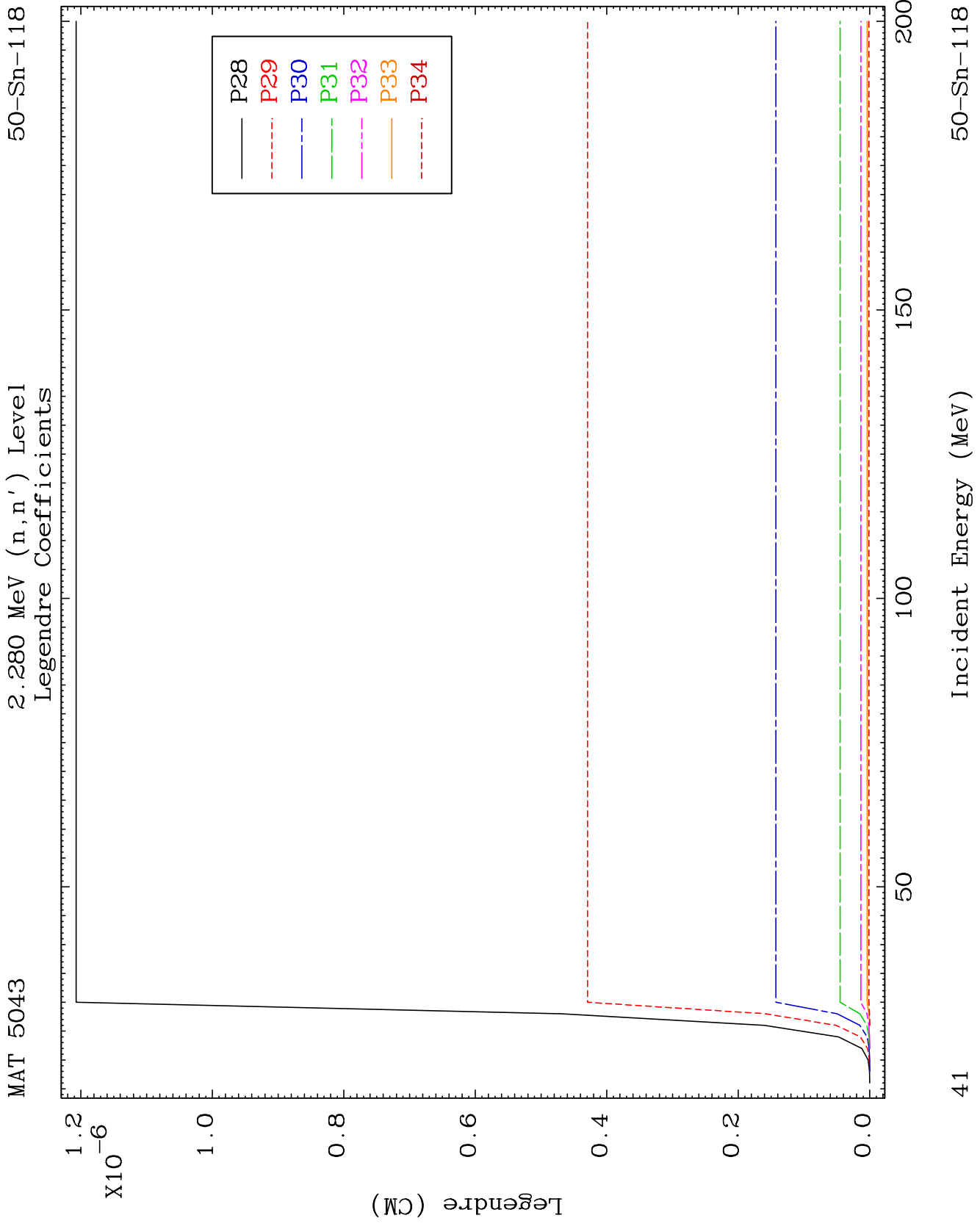


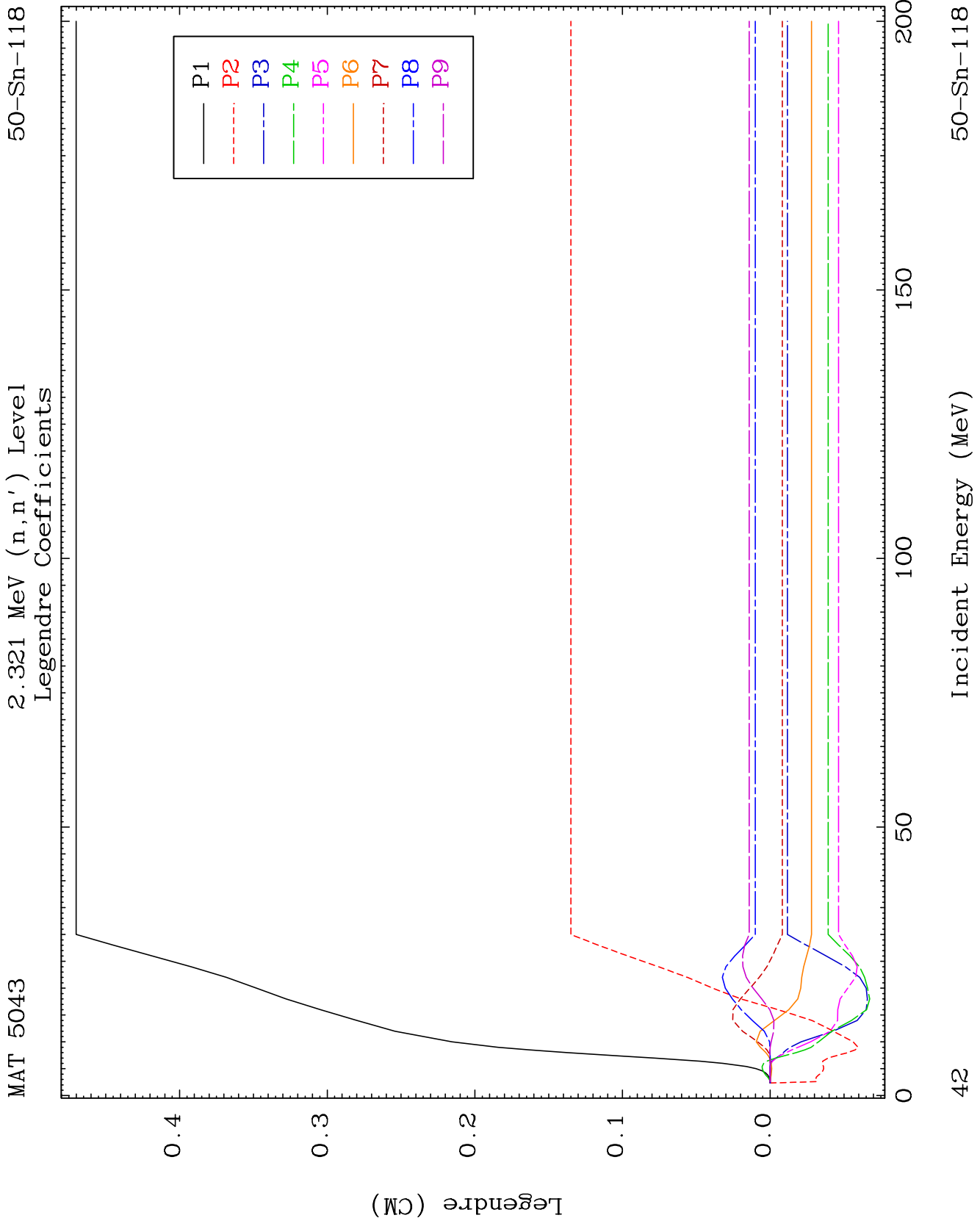
39

Incident Energy (MeV)

50-Sn-118



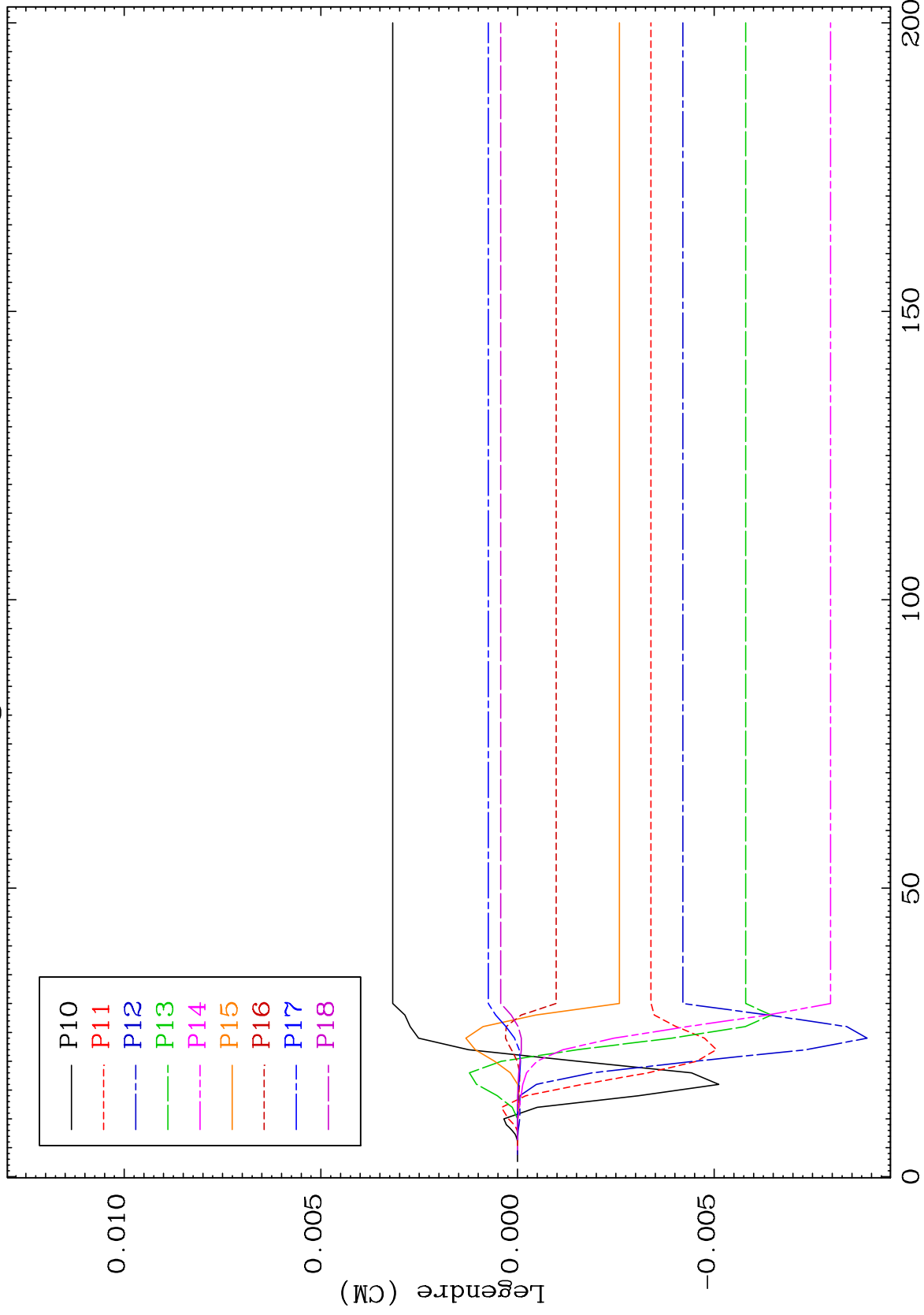




MAT 5043

2.321 MeV (n,n') Level
Legendre Coefficients

50-Sn-118



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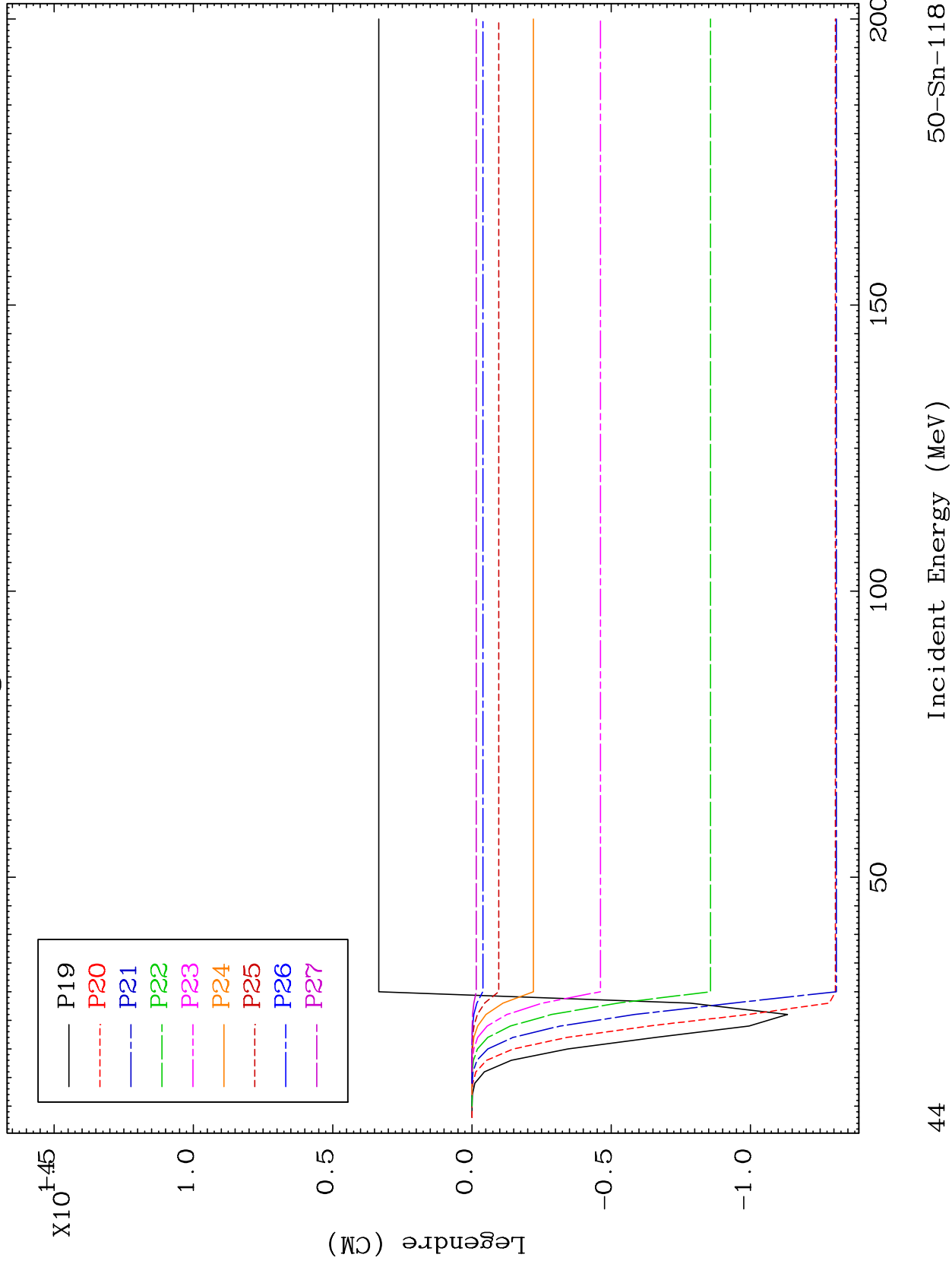
Incident Energy (MeV)

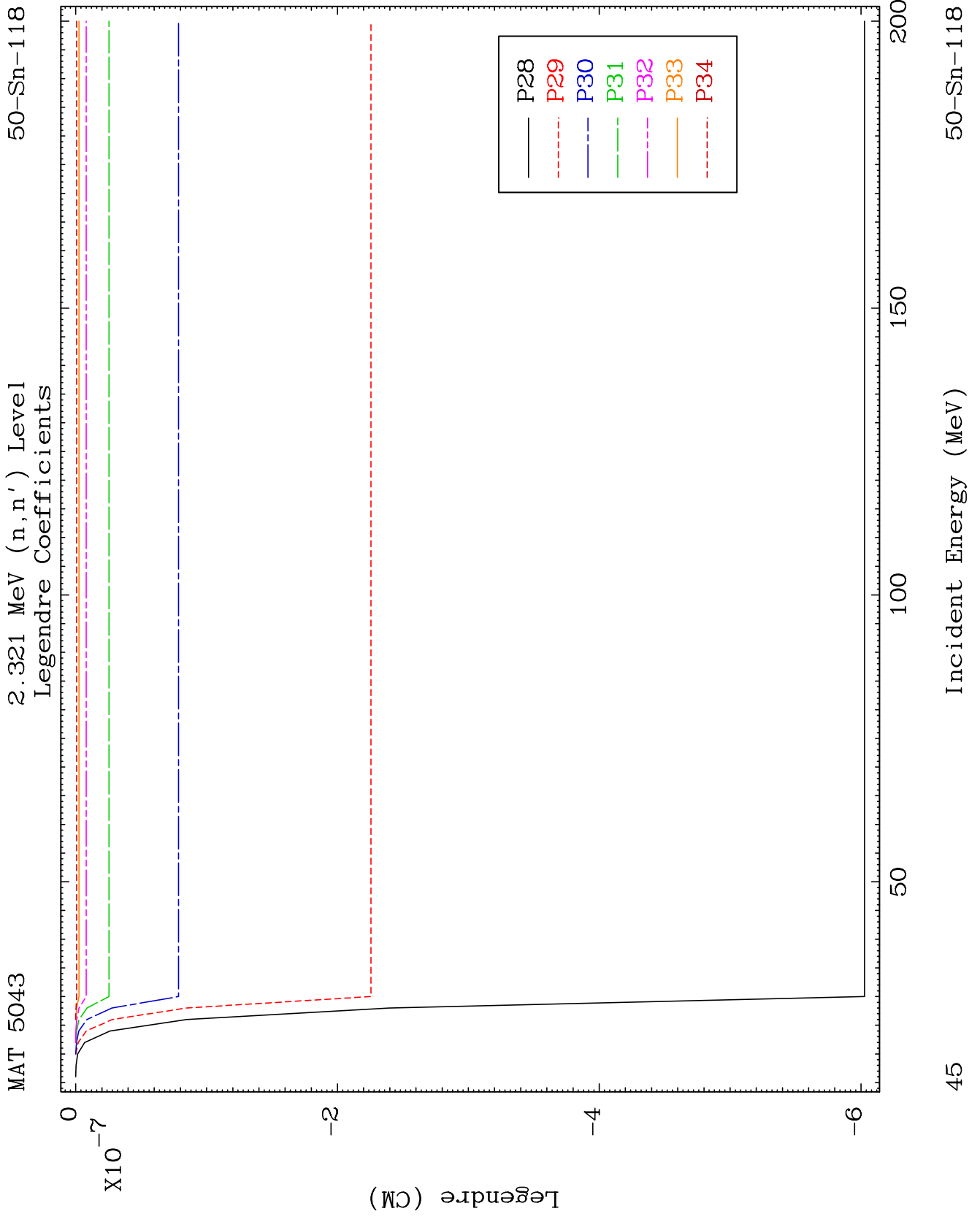
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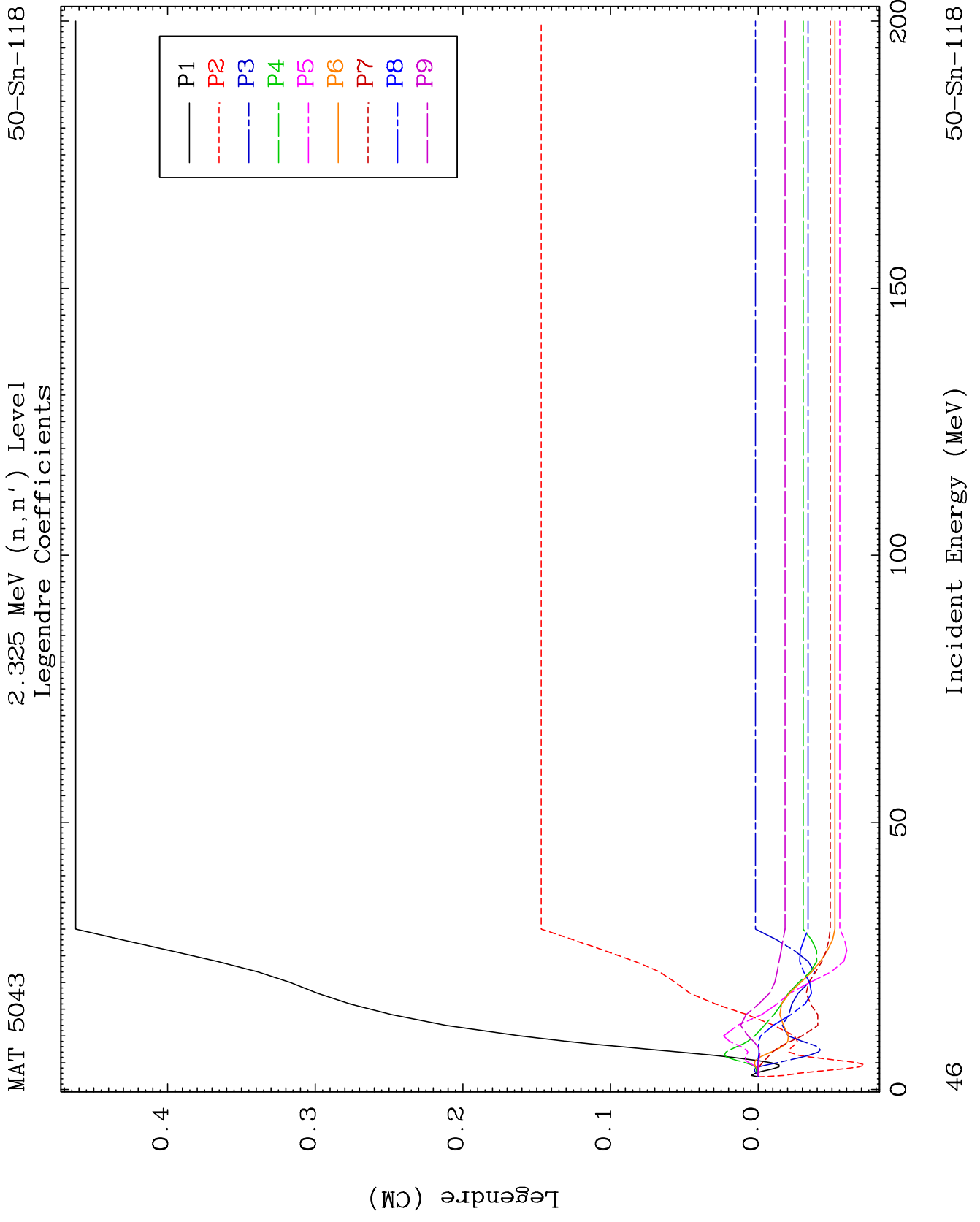
MAT 5043

2.321 MeV (n,n') Level
Legendre Coefficients

50-Sn-118



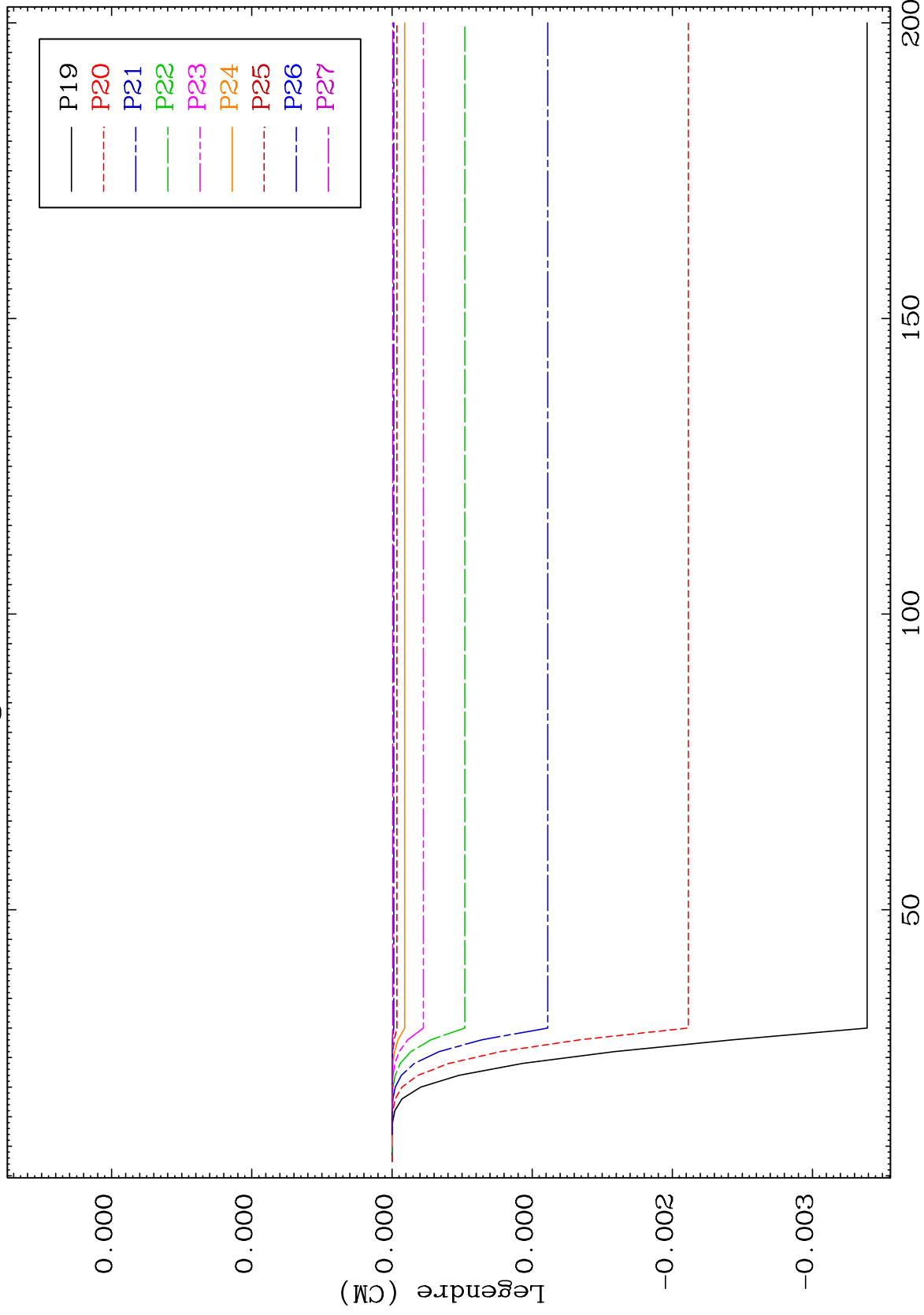




MAT 5043

2.325 MeV (n,n') Level
Legendre Coefficients

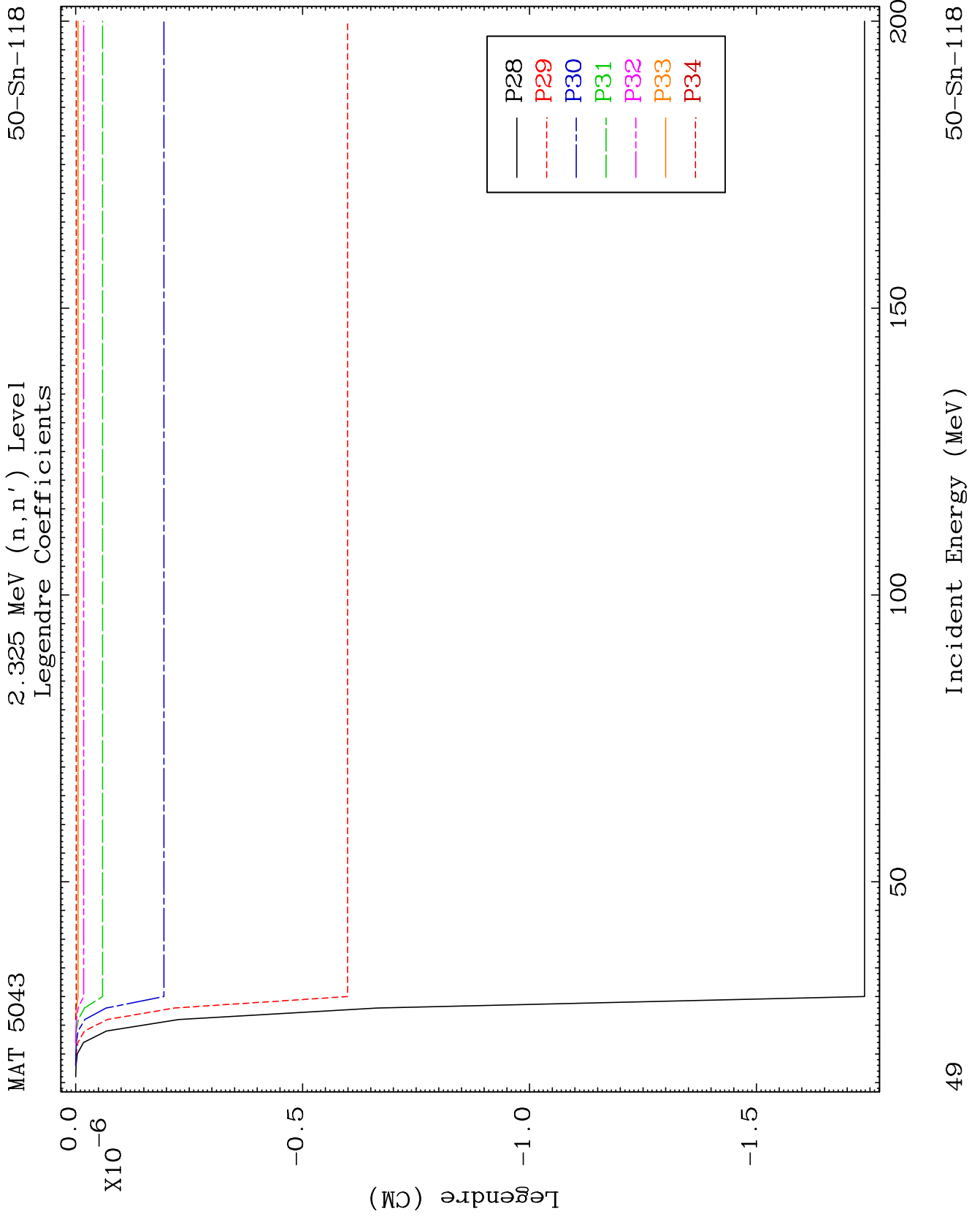
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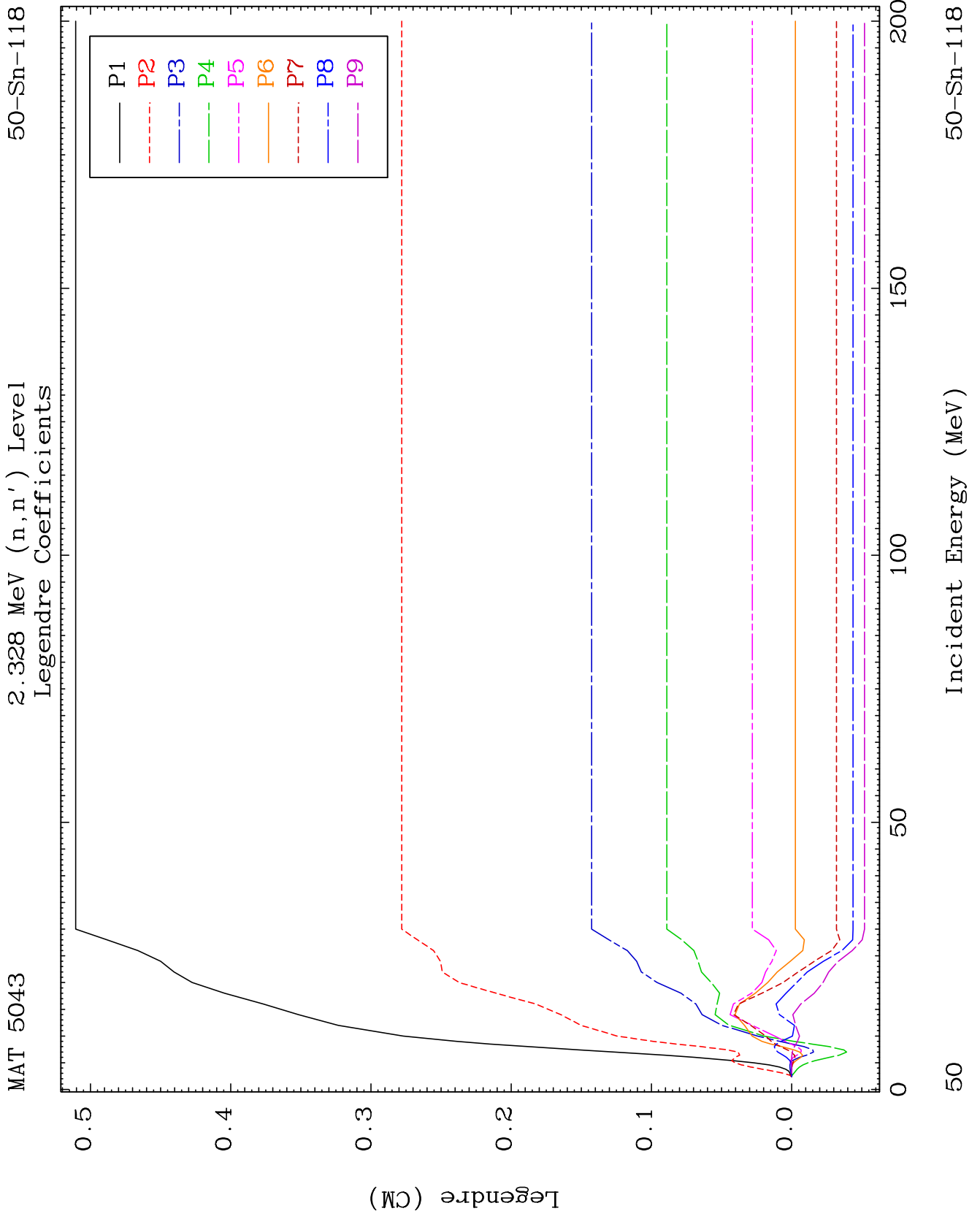


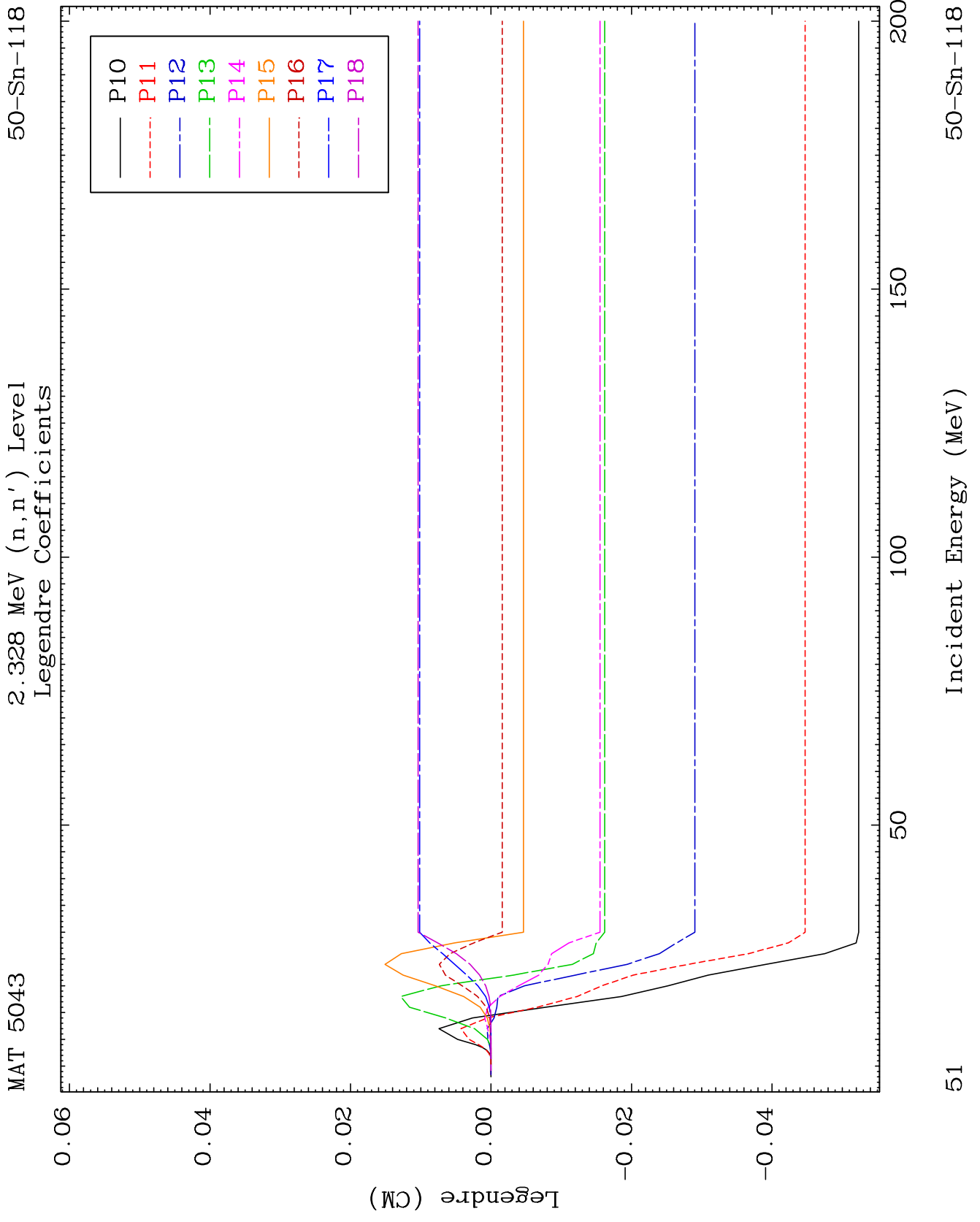
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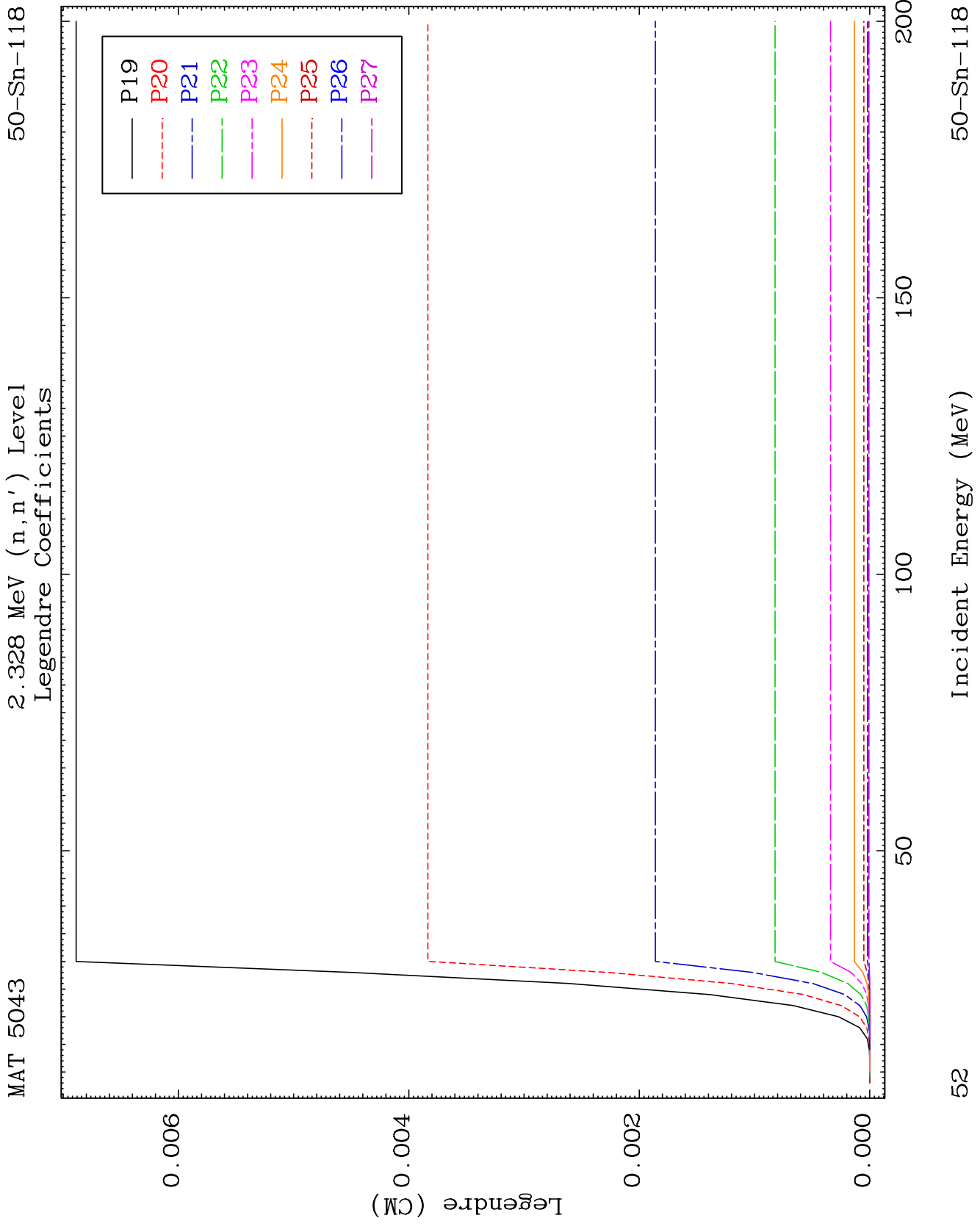
Incident Energy (MeV)

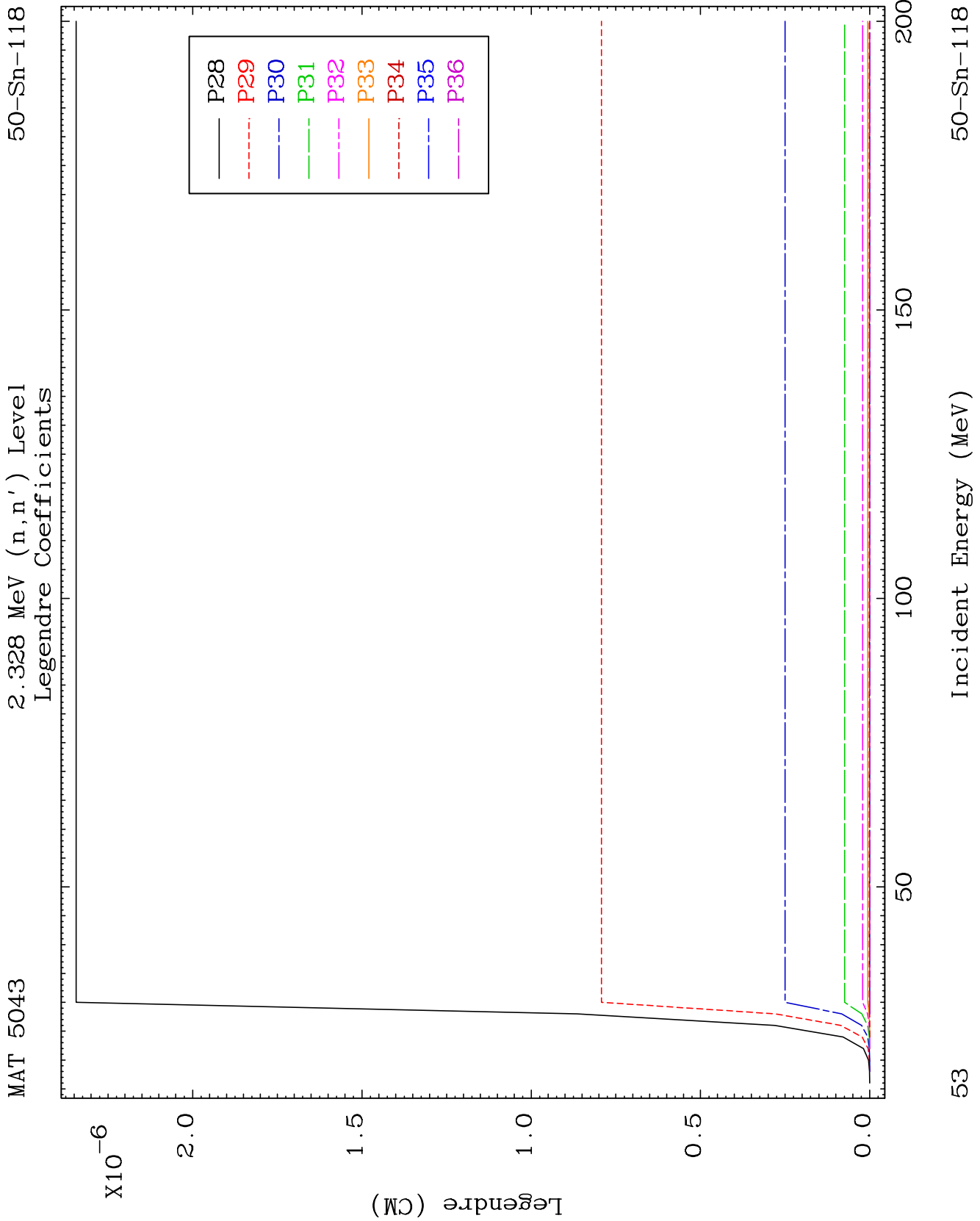
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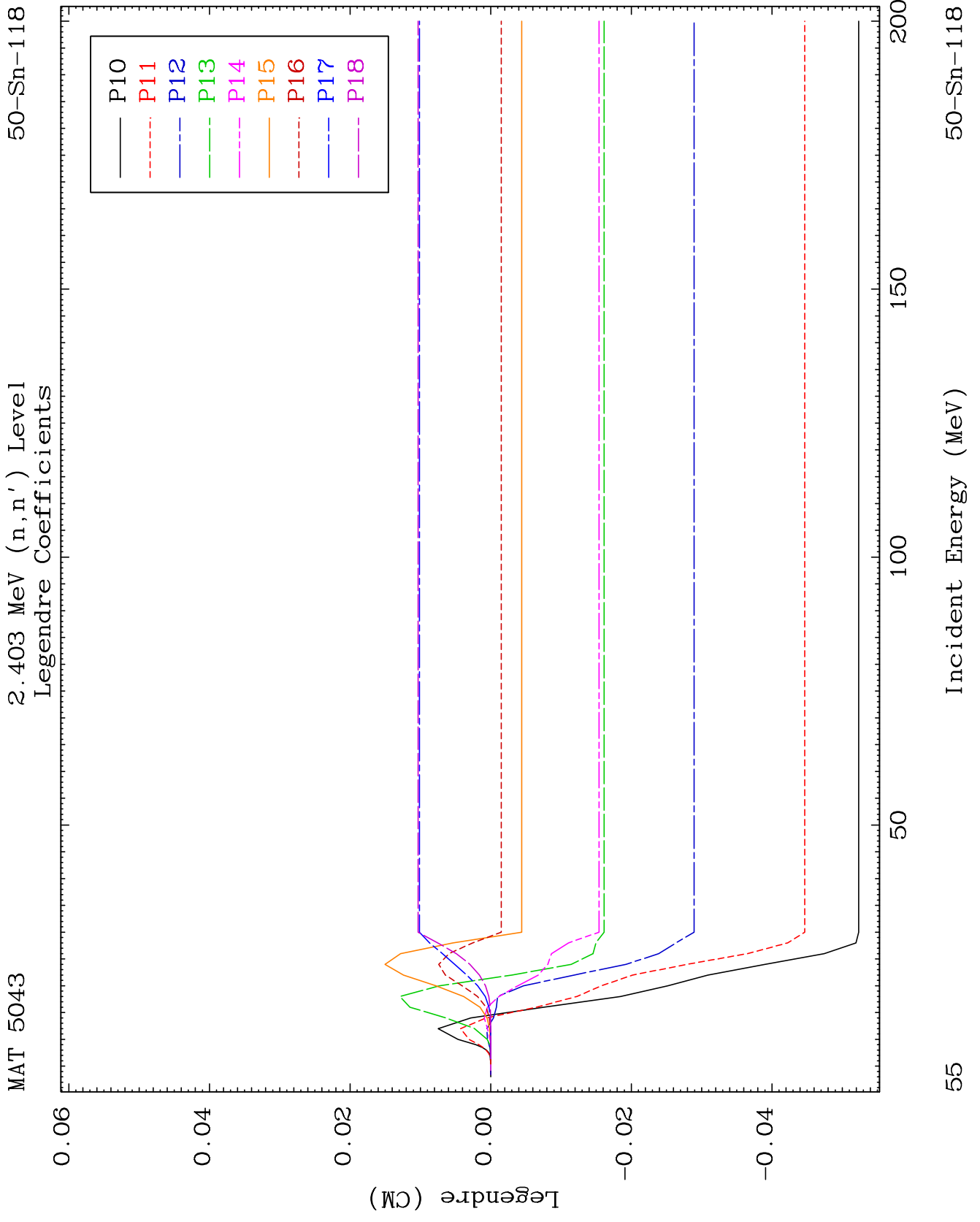


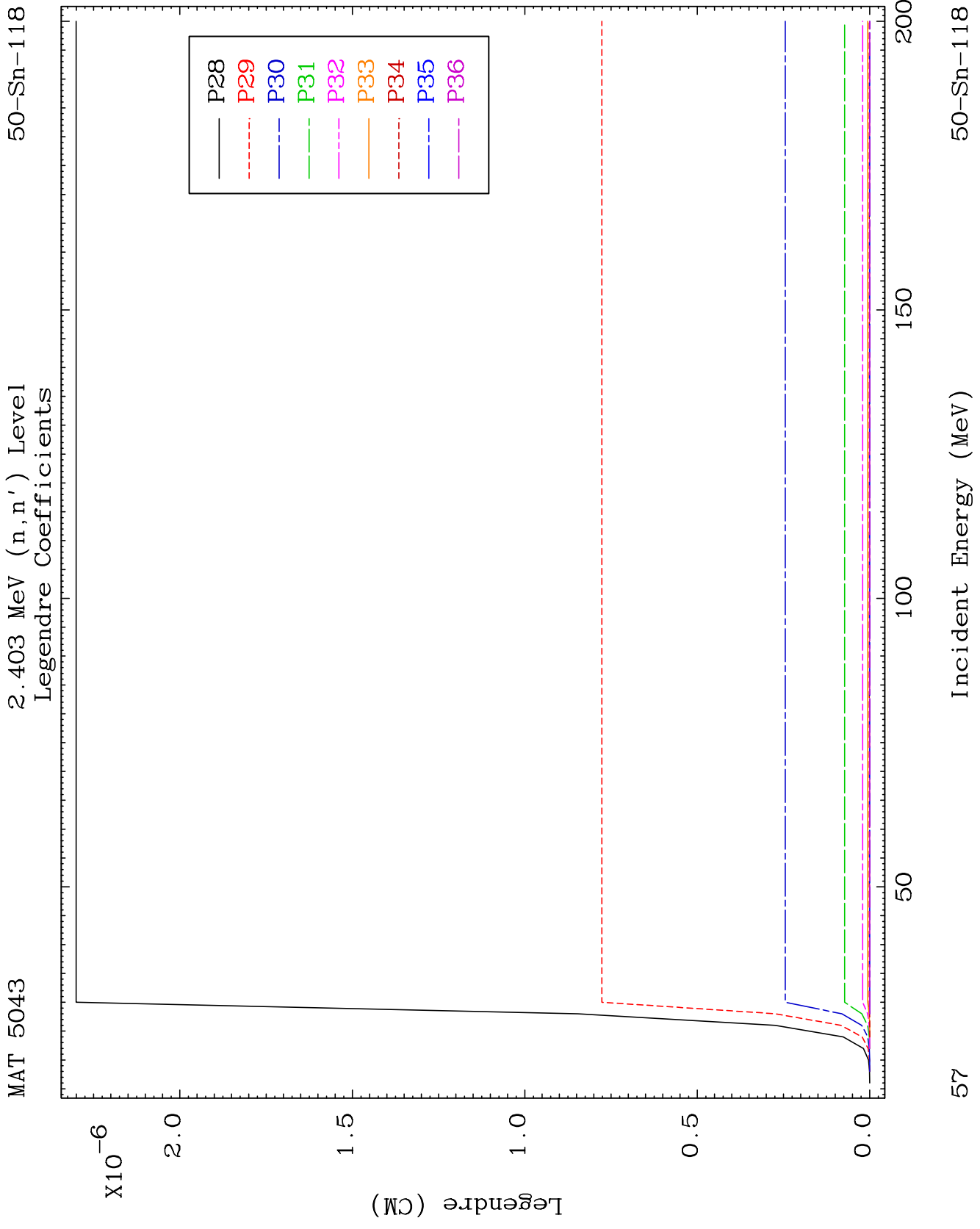








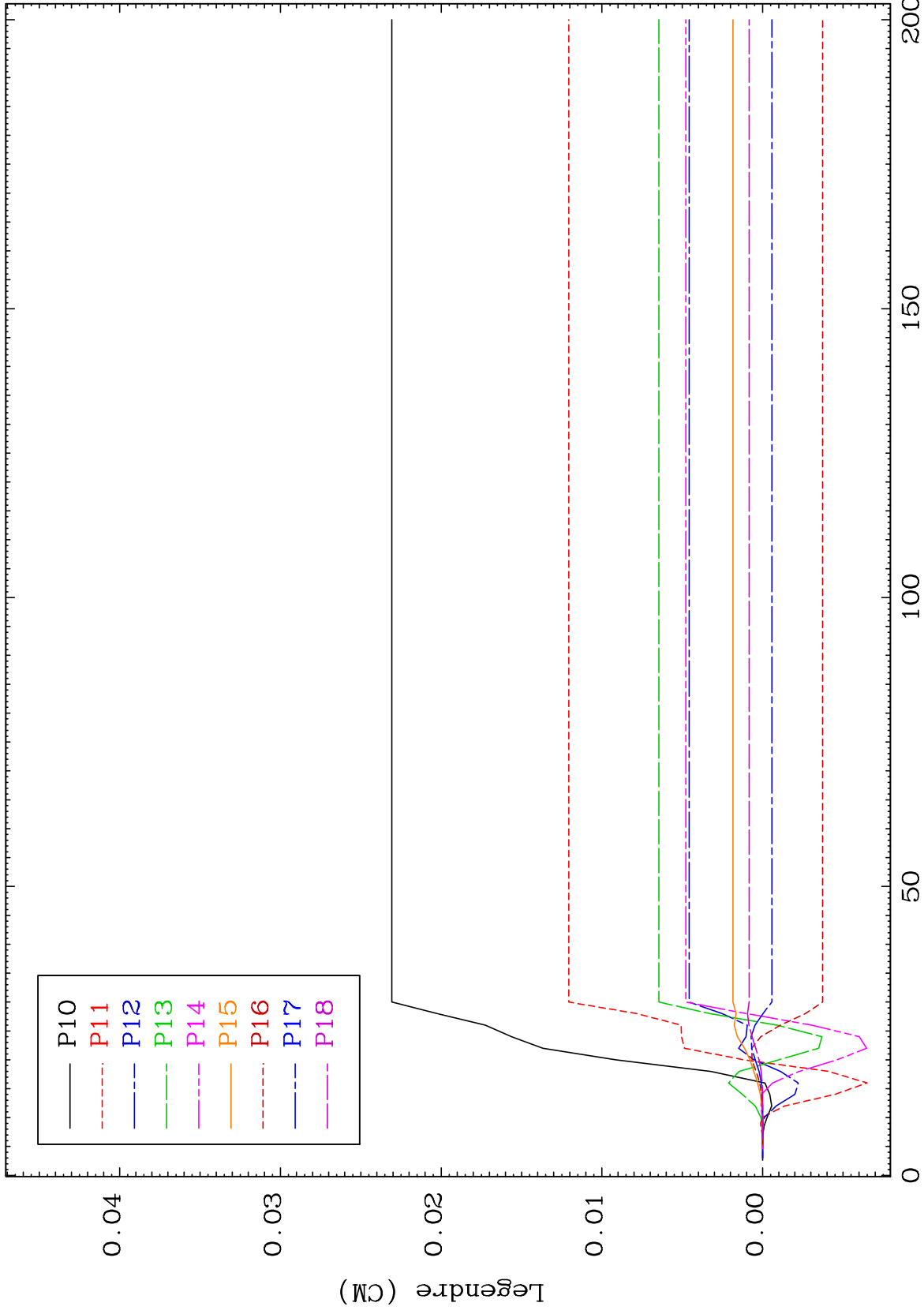




MAT 5043

2.408 MeV (n,n') Level
Legendre Coefficients

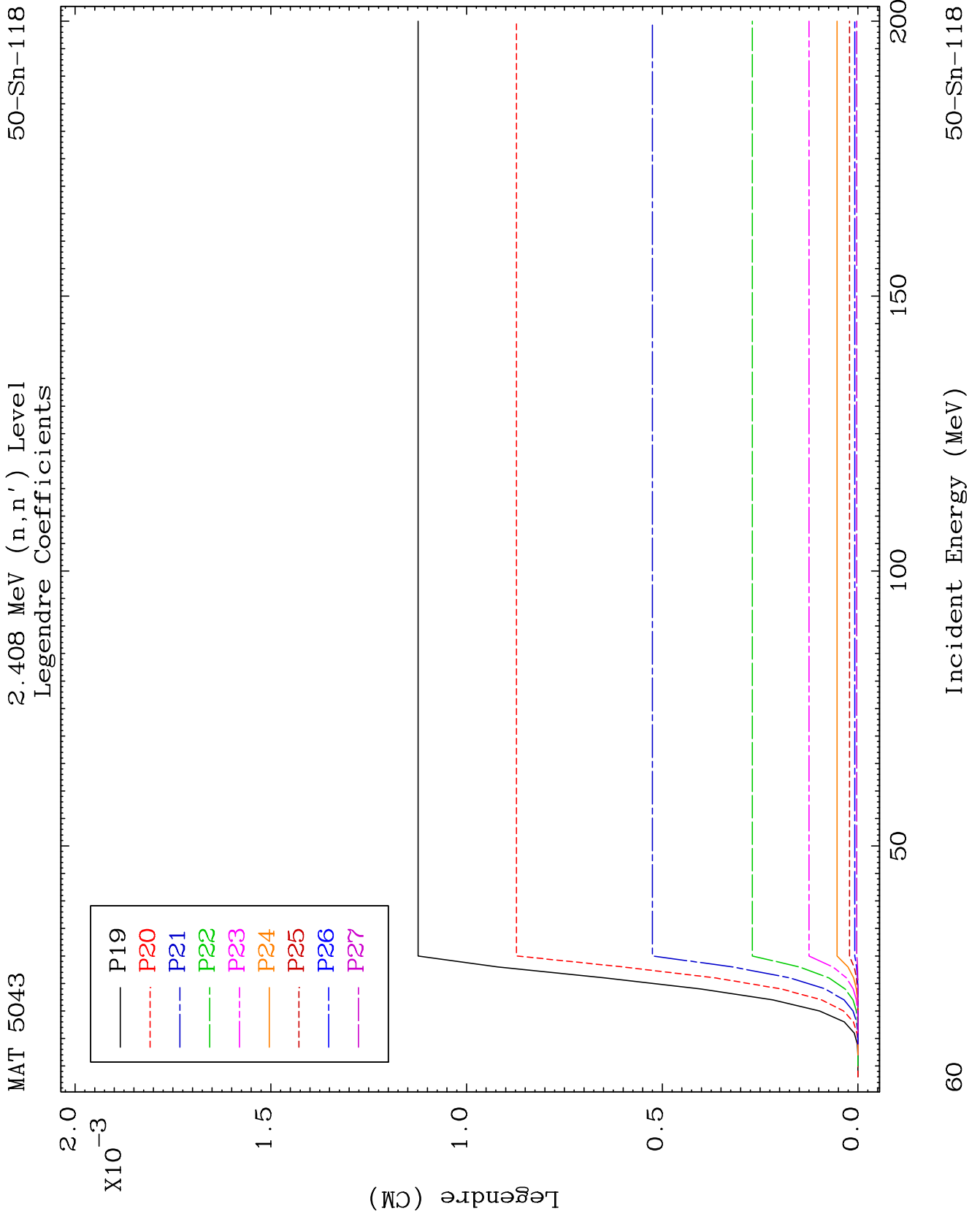
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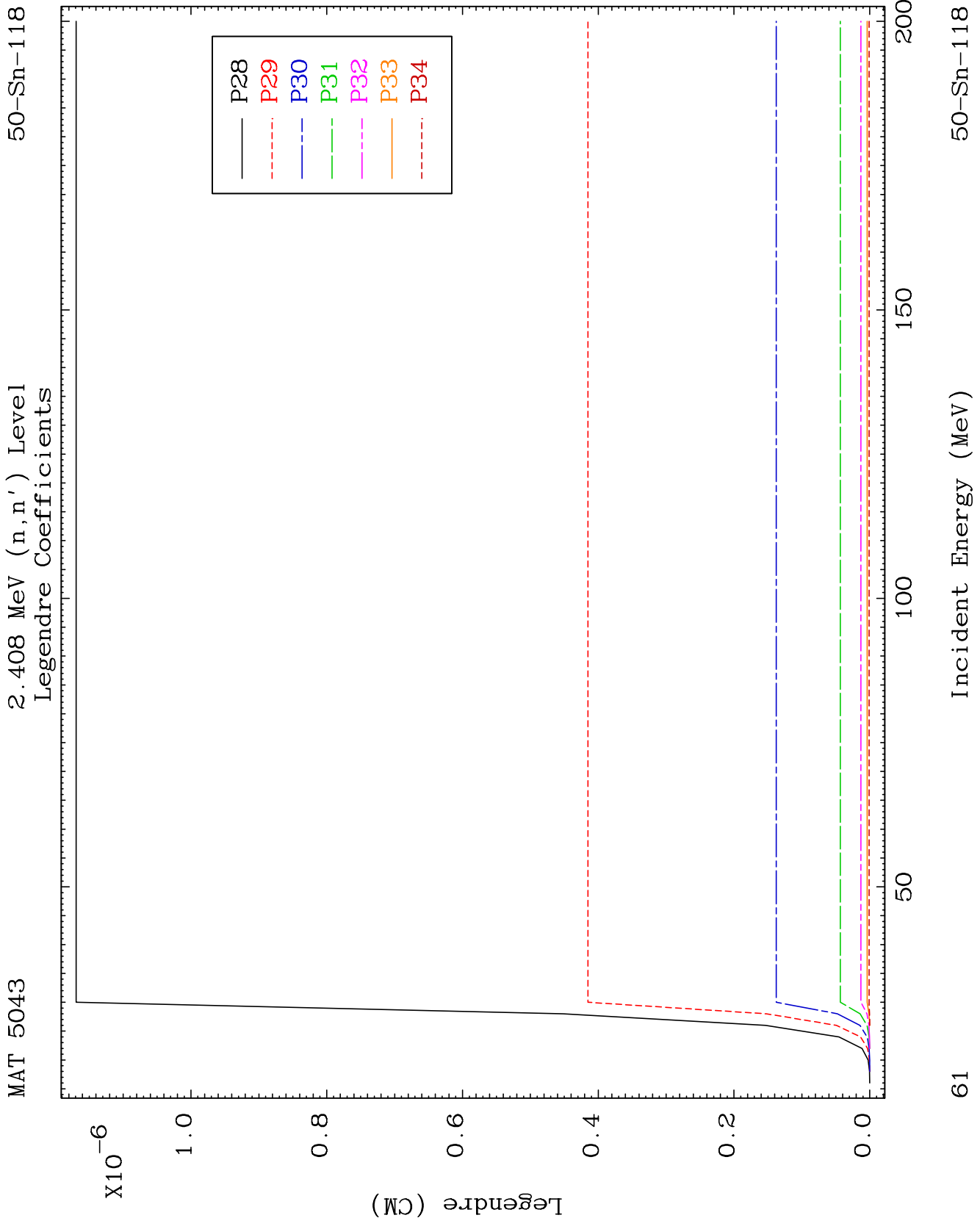


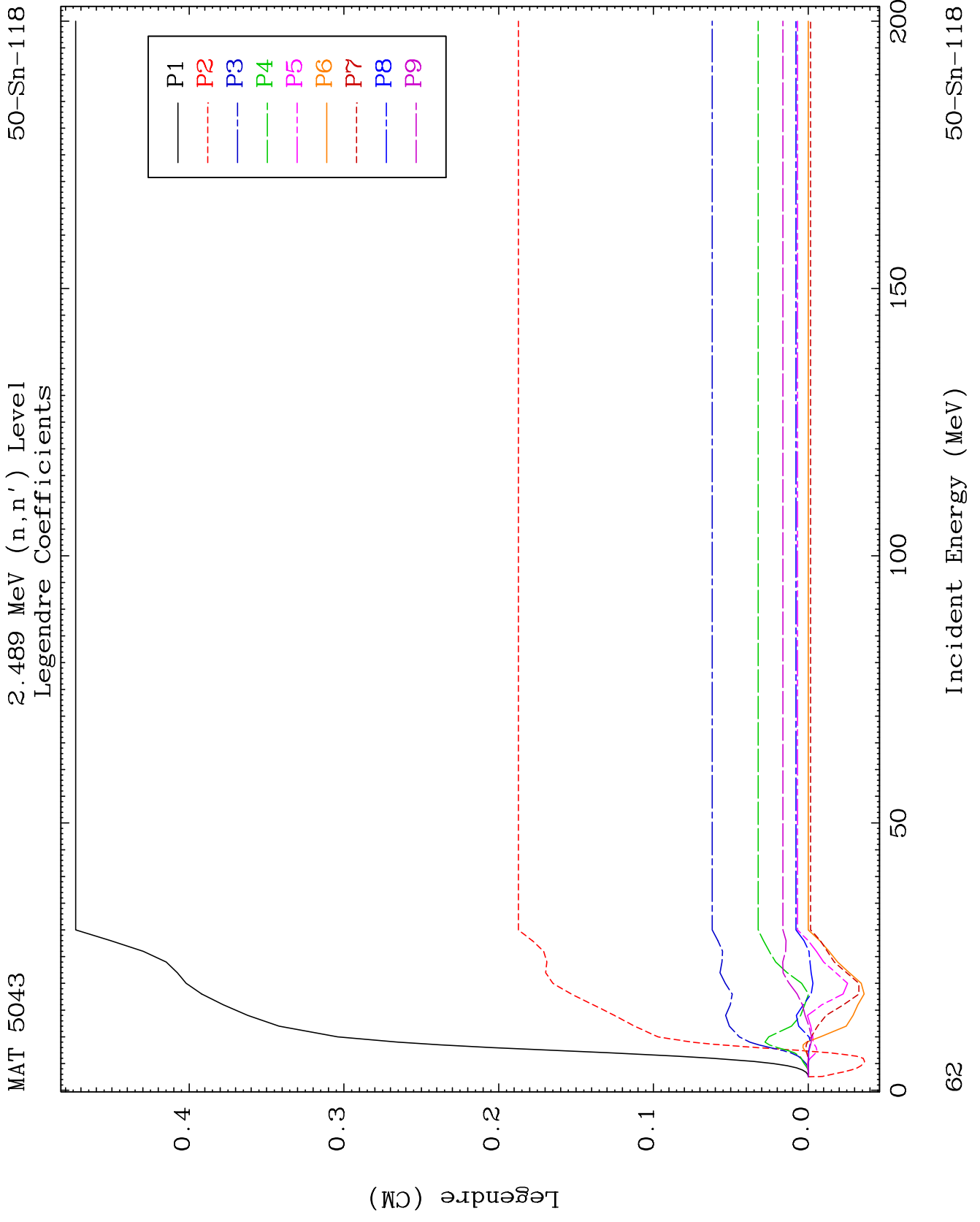
59

Incident Energy (MeV)

50-Sn-118



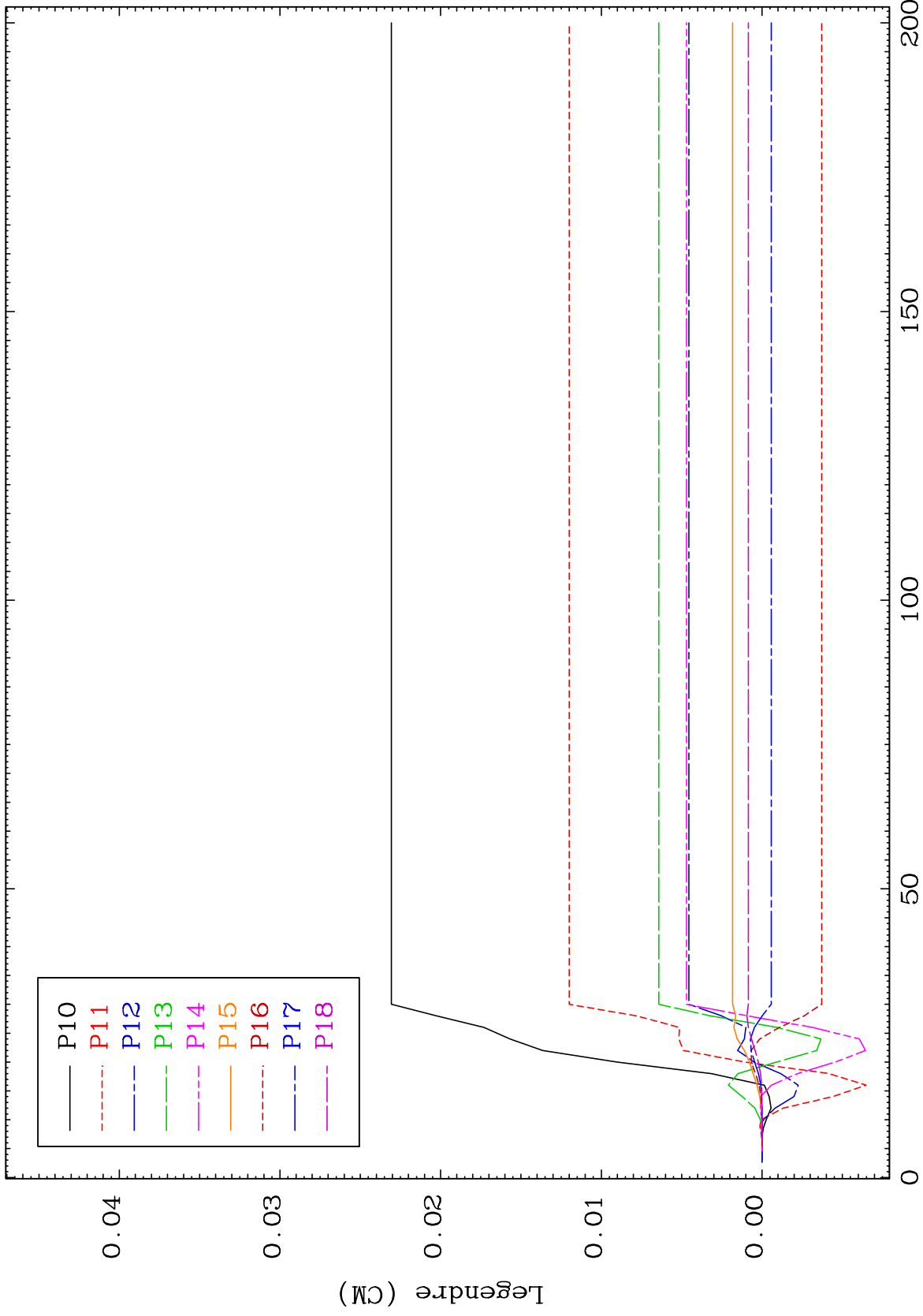




MAT 5043

2.489 MeV (n,n') Level
Legendre Coefficients

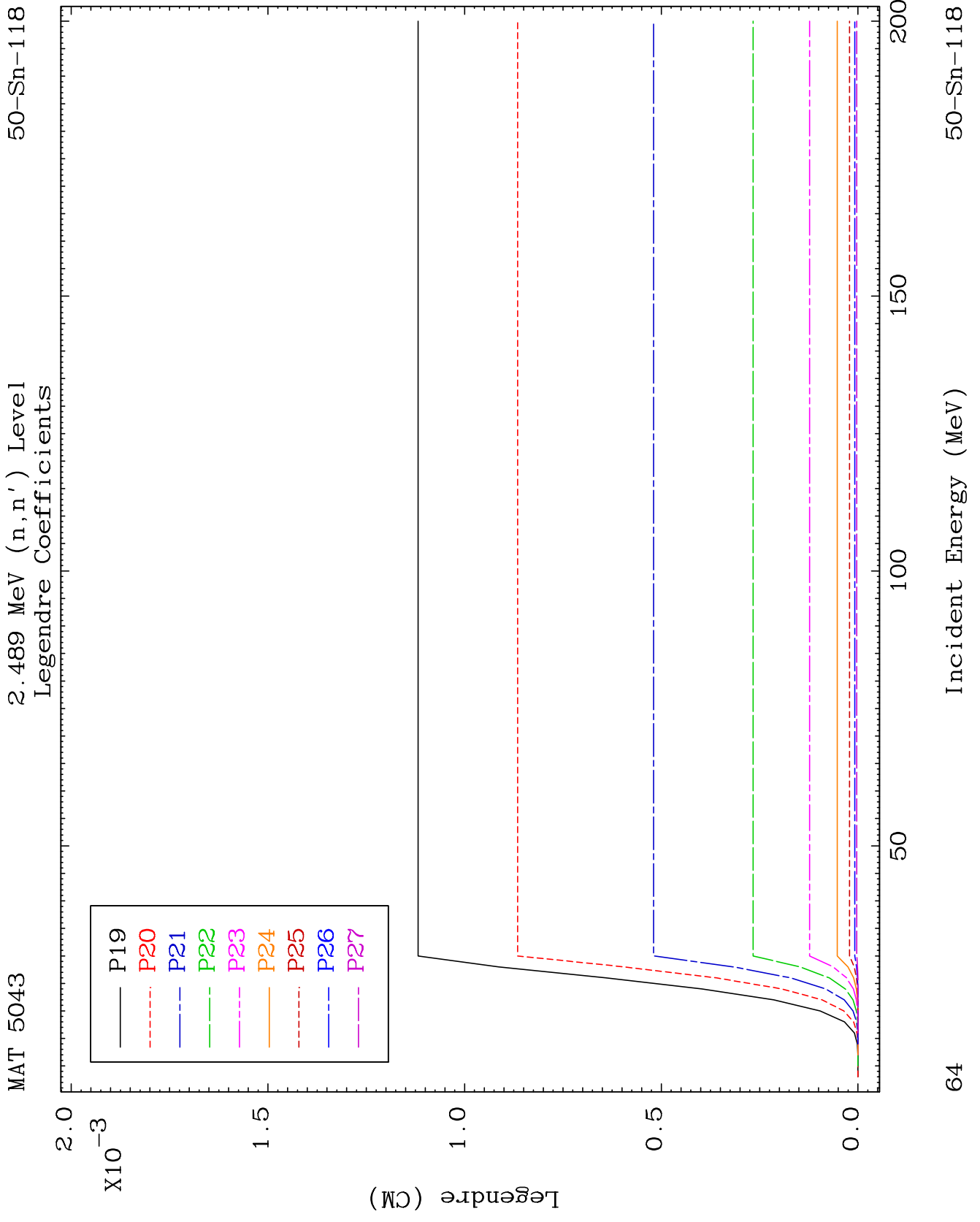
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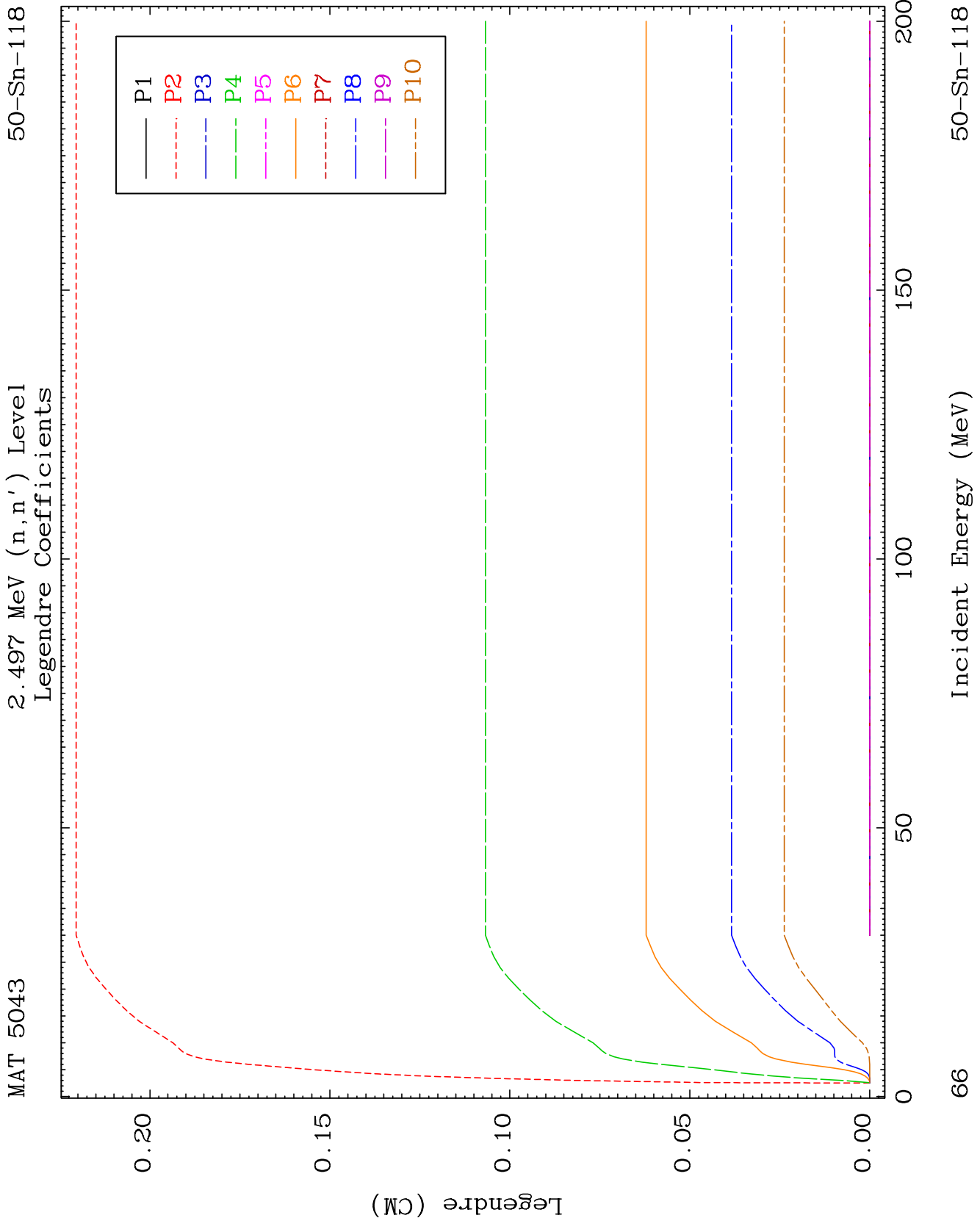


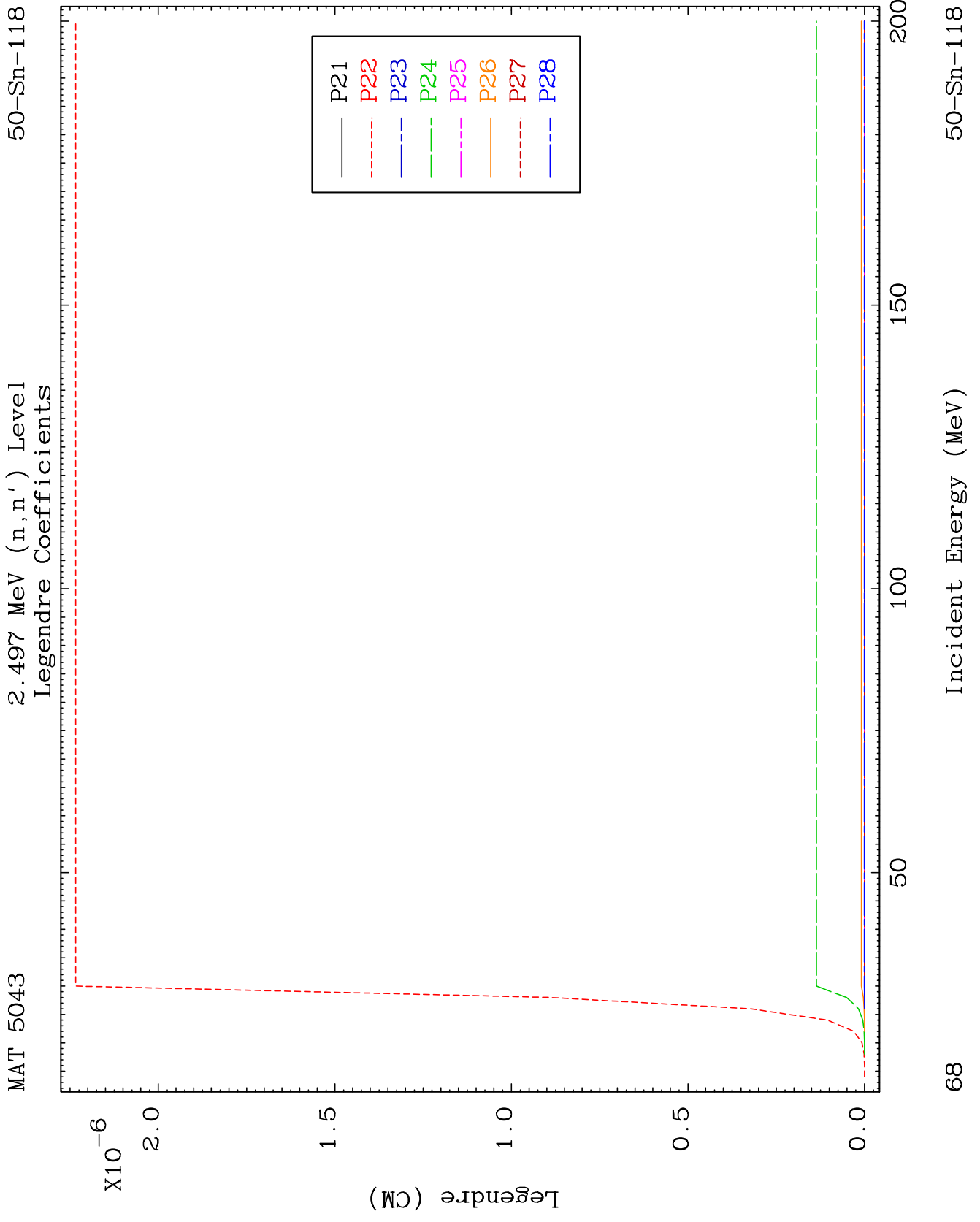
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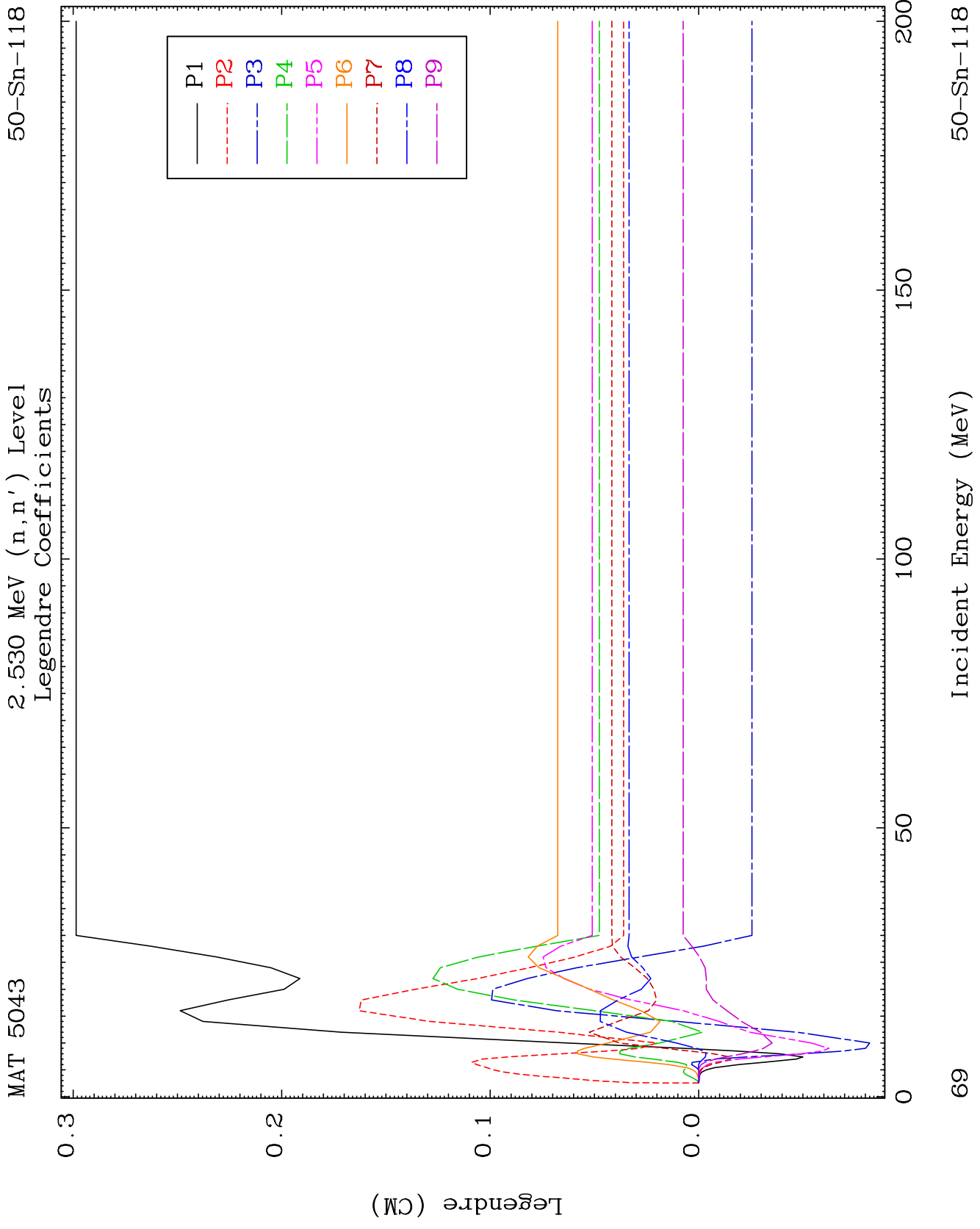
Incident Energy (MeV)

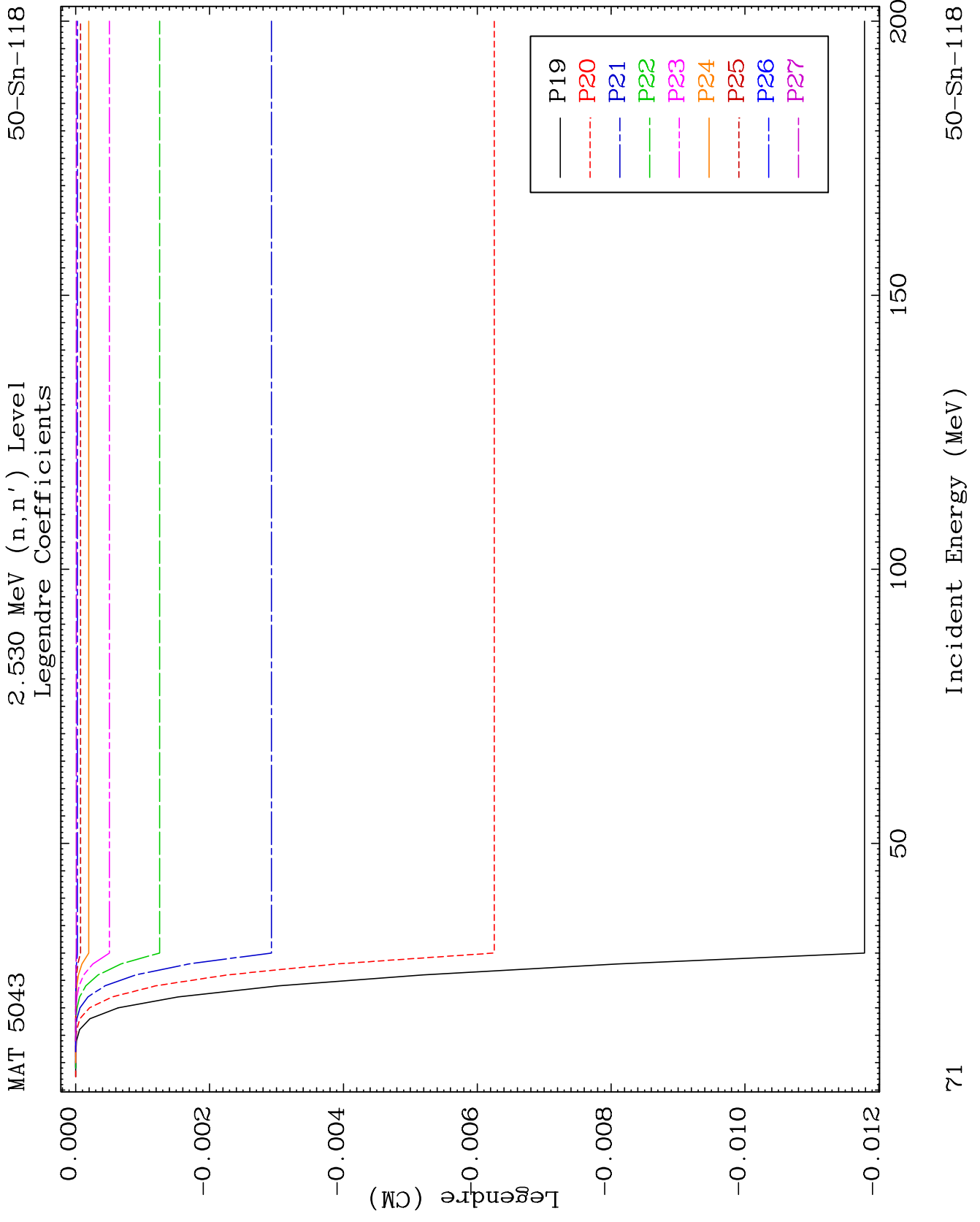
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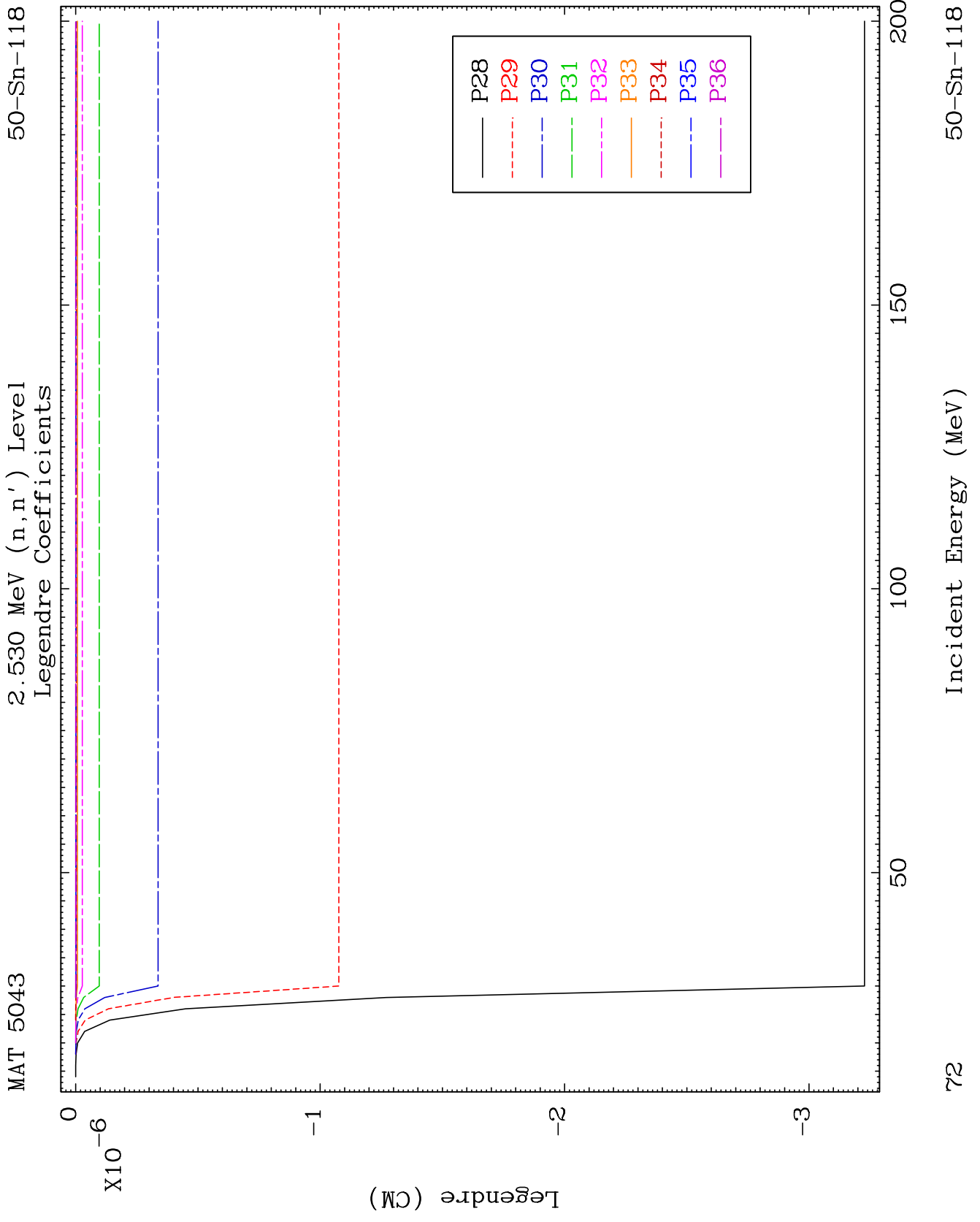


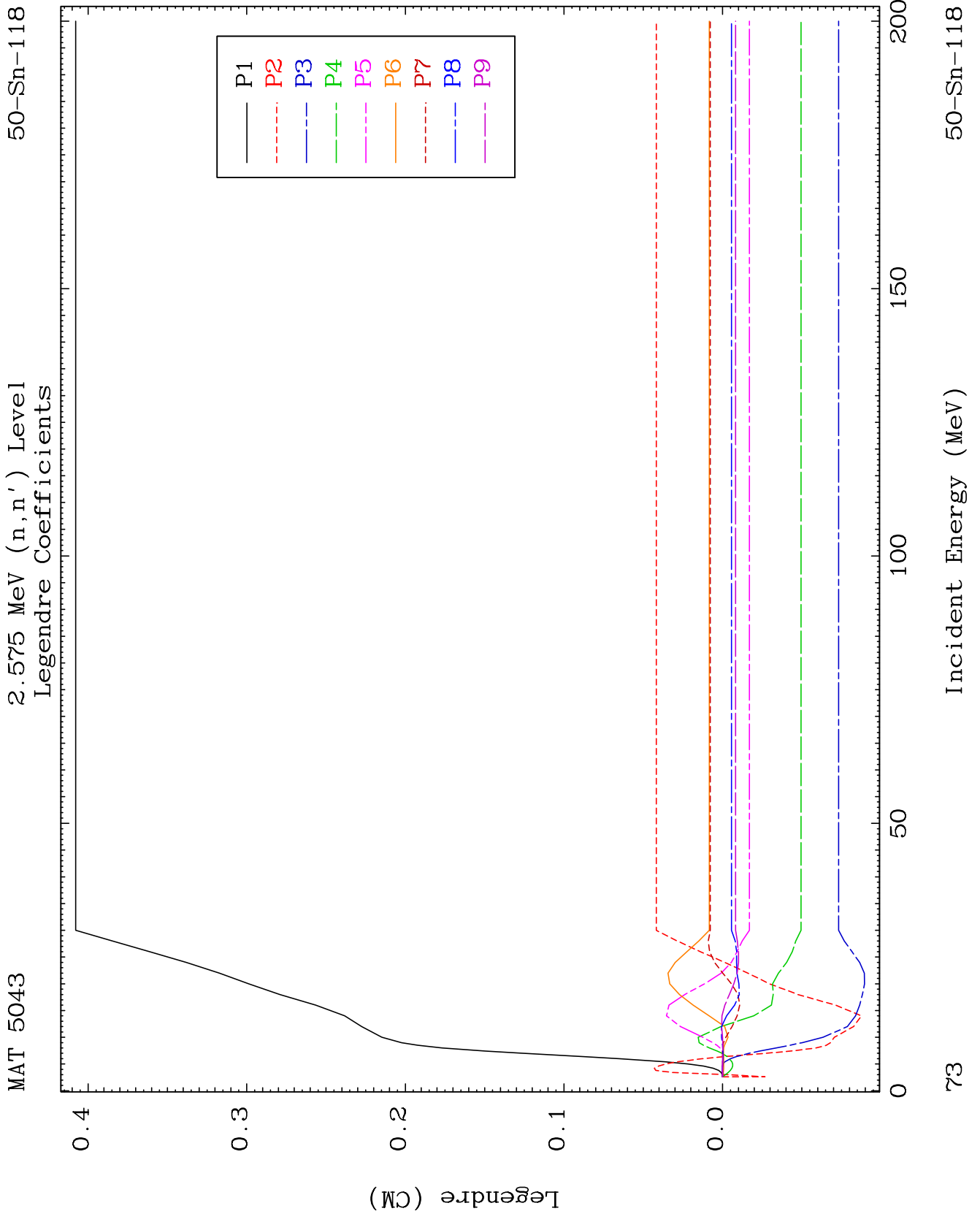








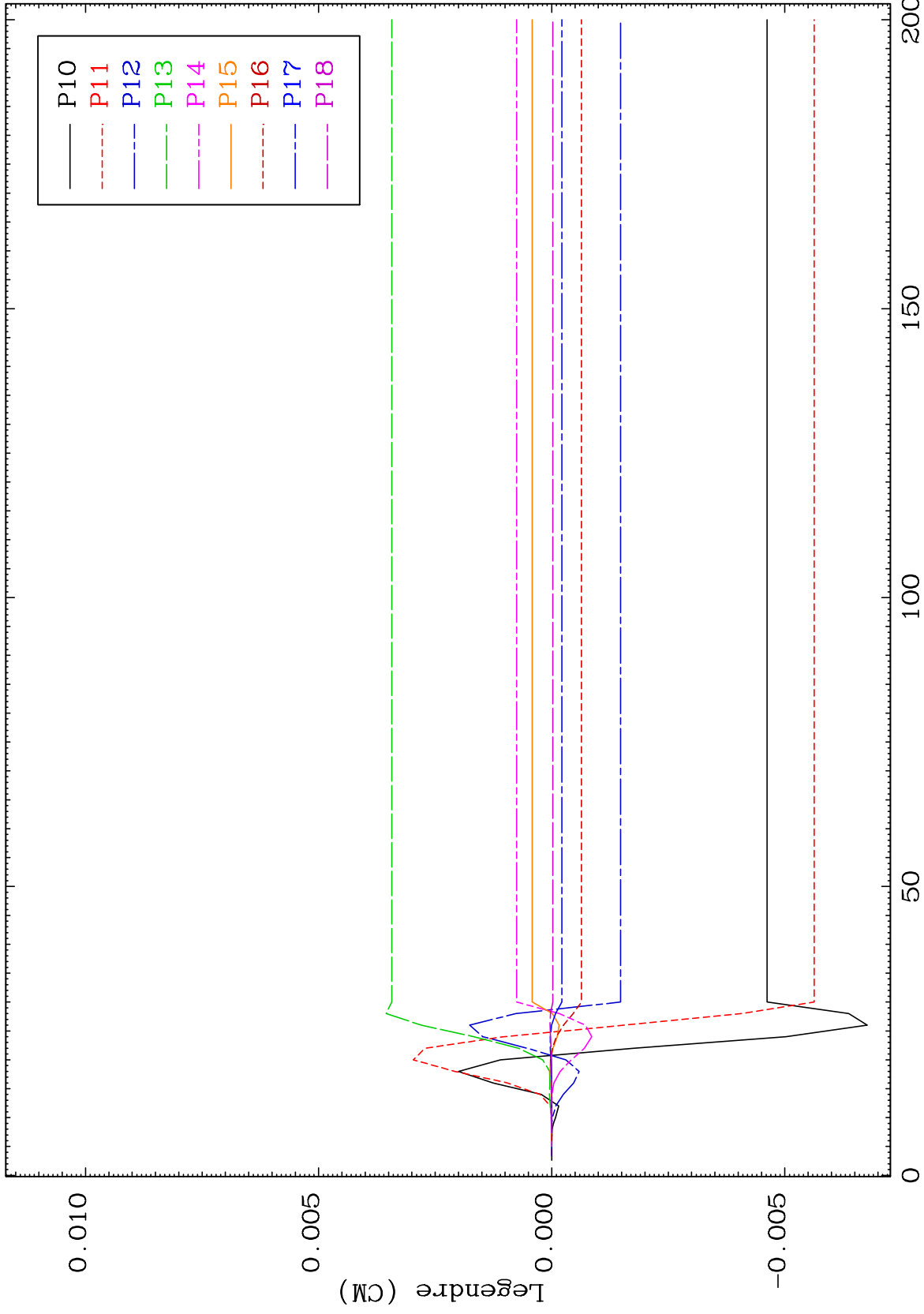




MAT 5043

2.575 MeV (n,n') Level
Legendre Coefficients

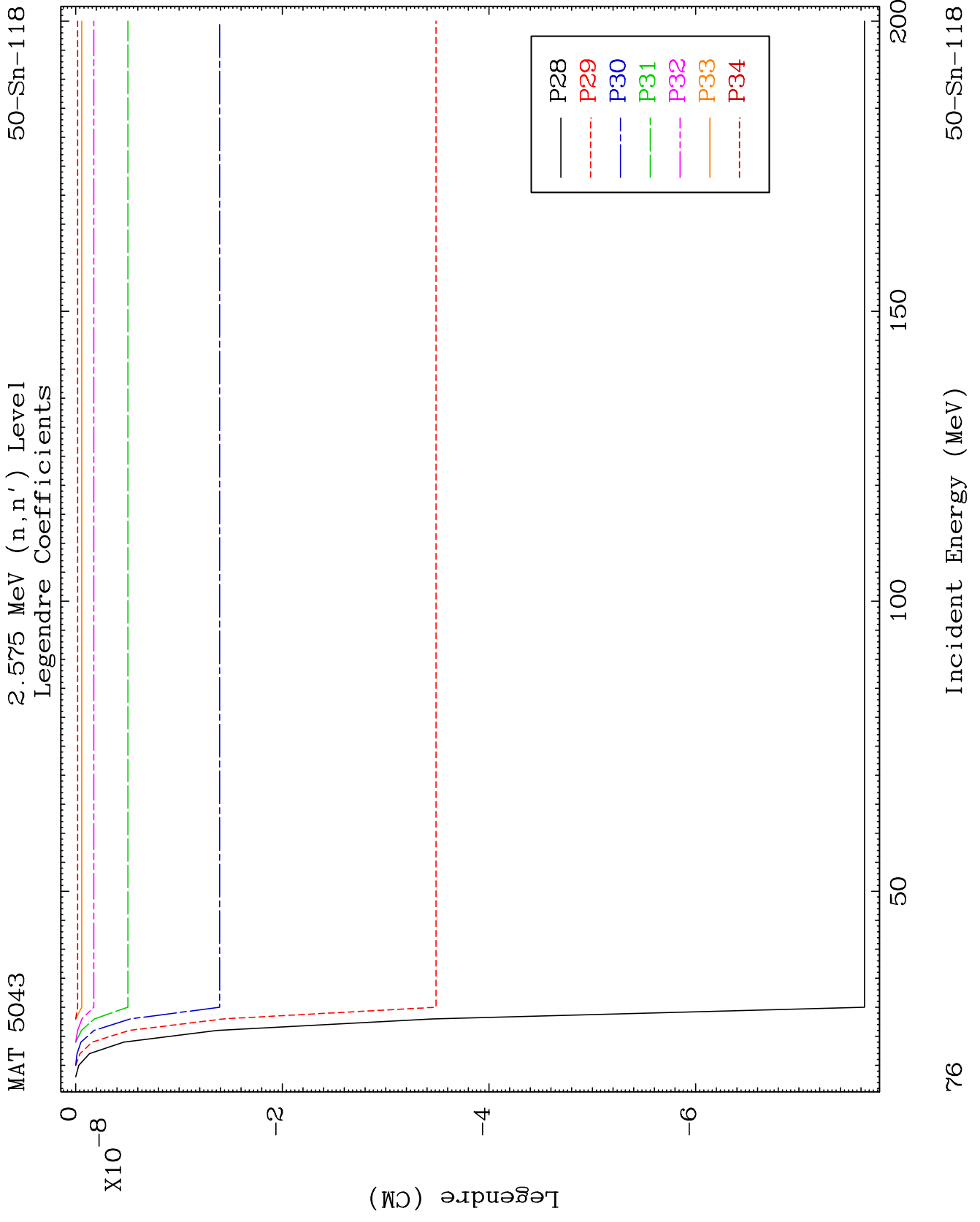
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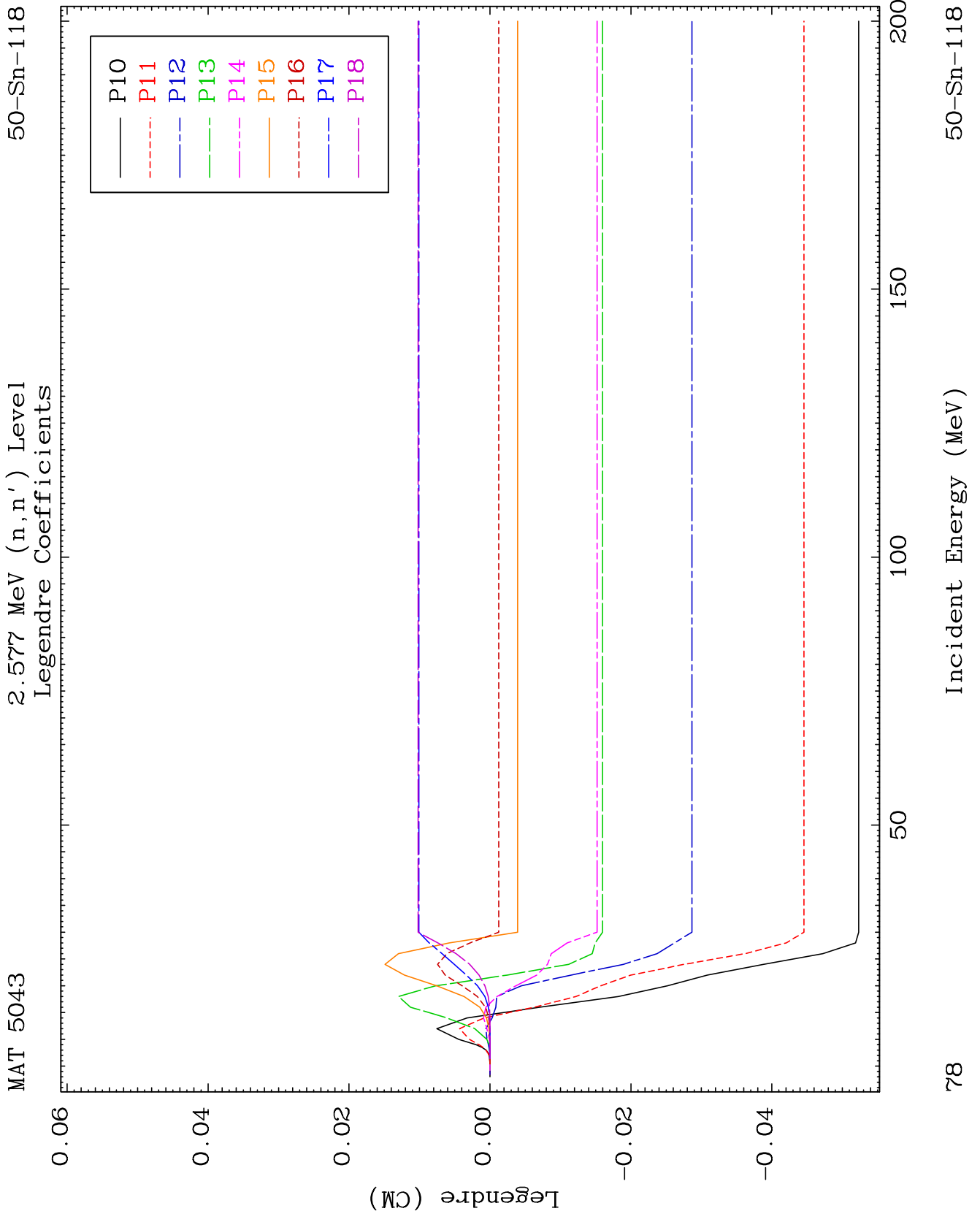


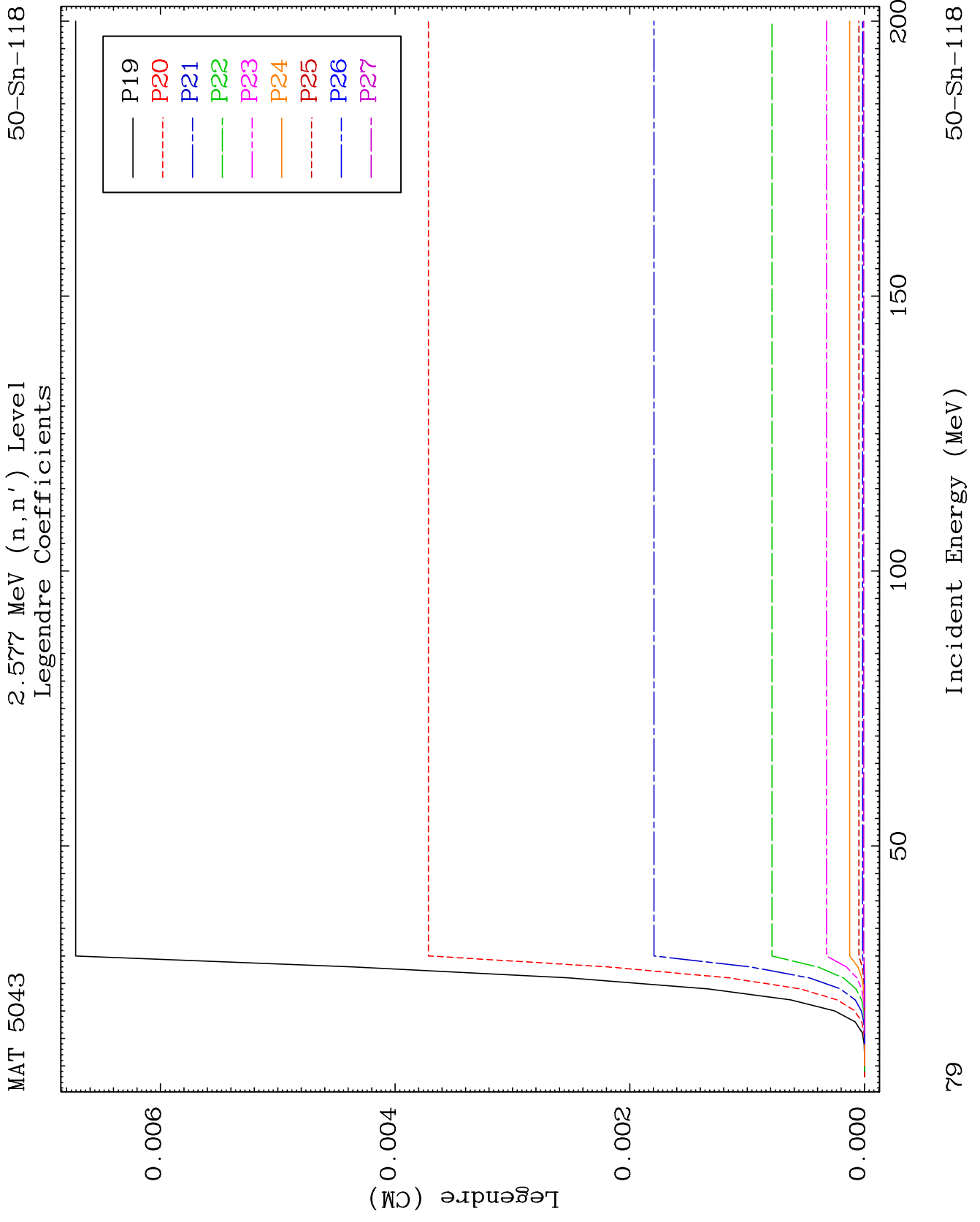
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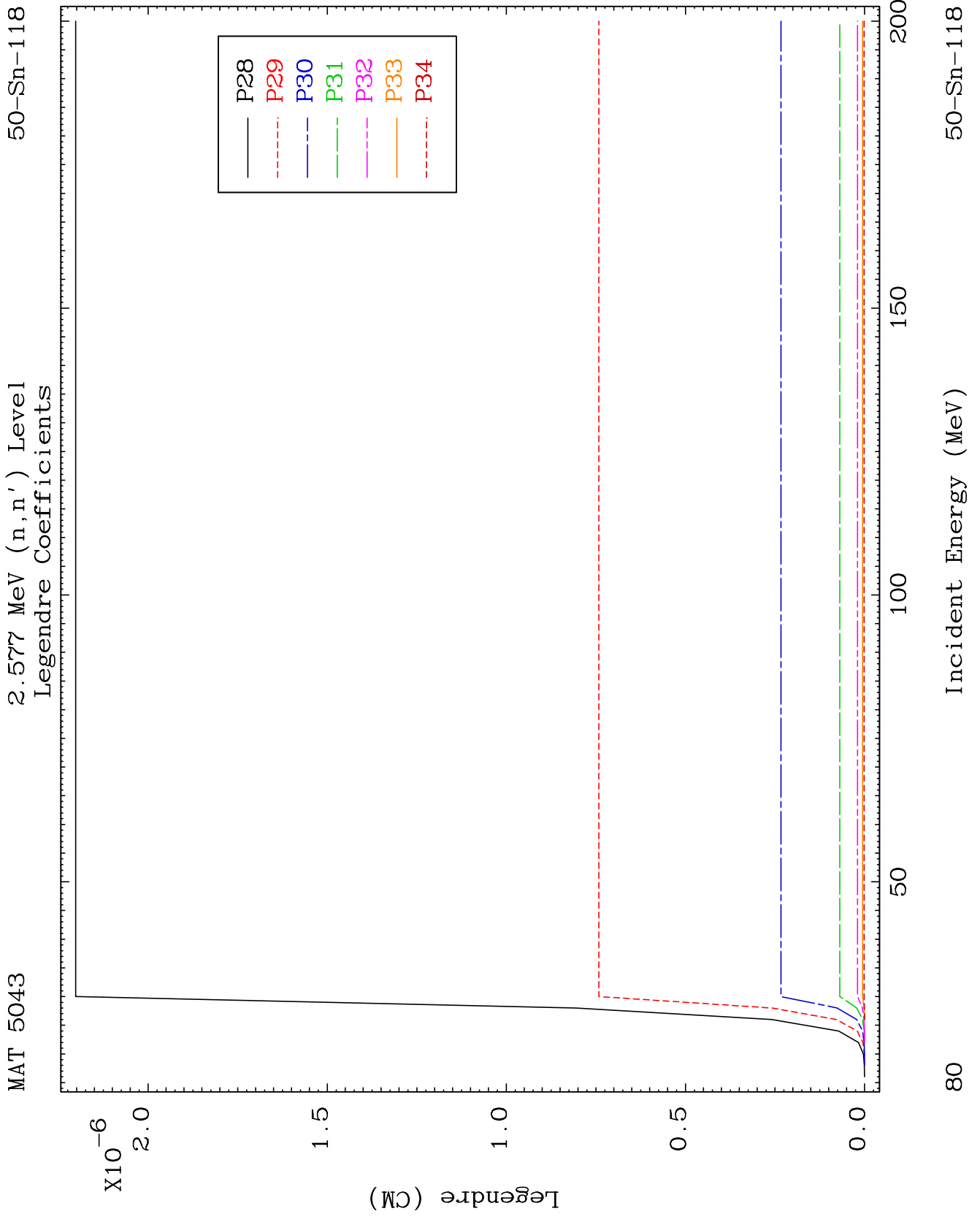
Incident Energy (MeV)

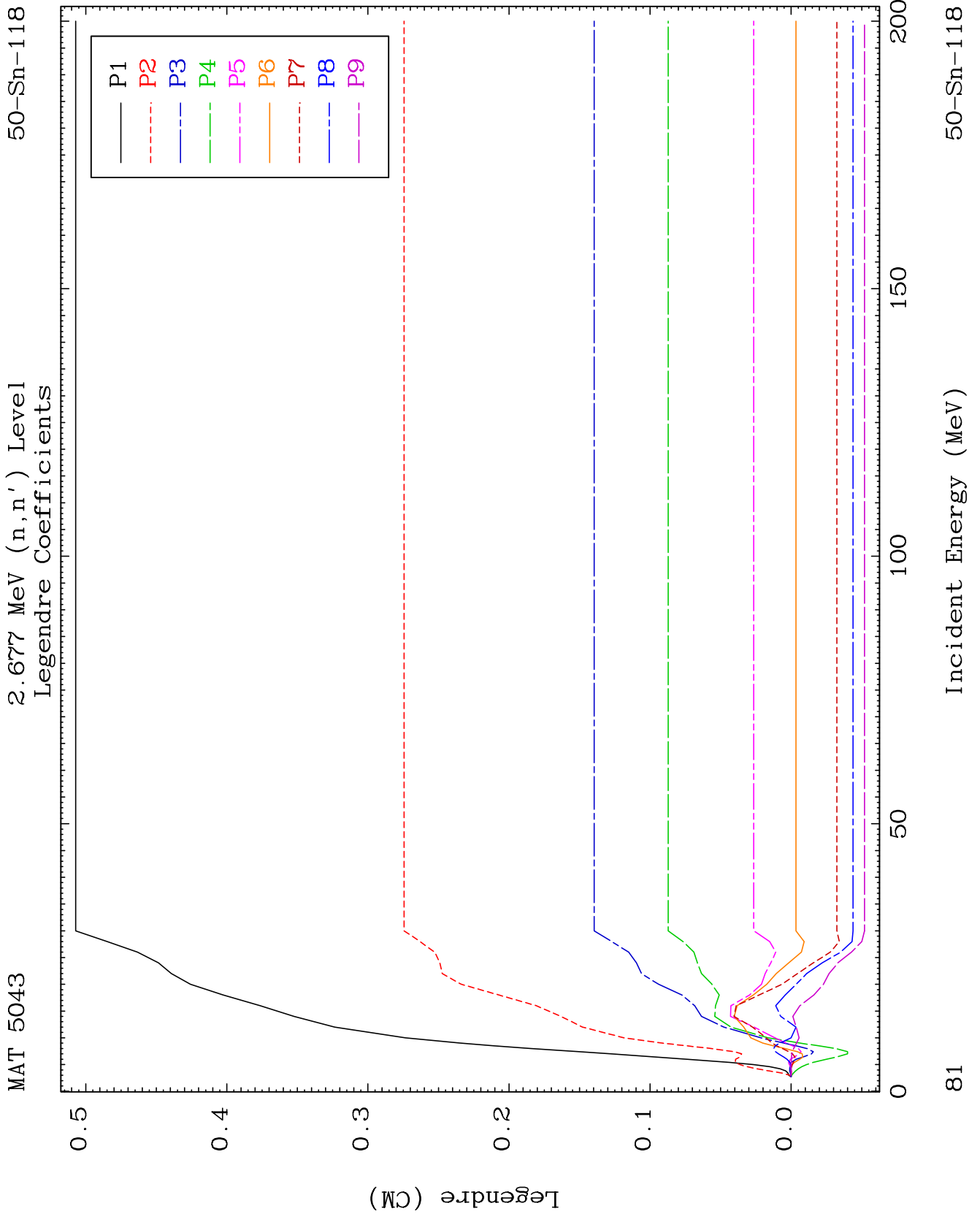
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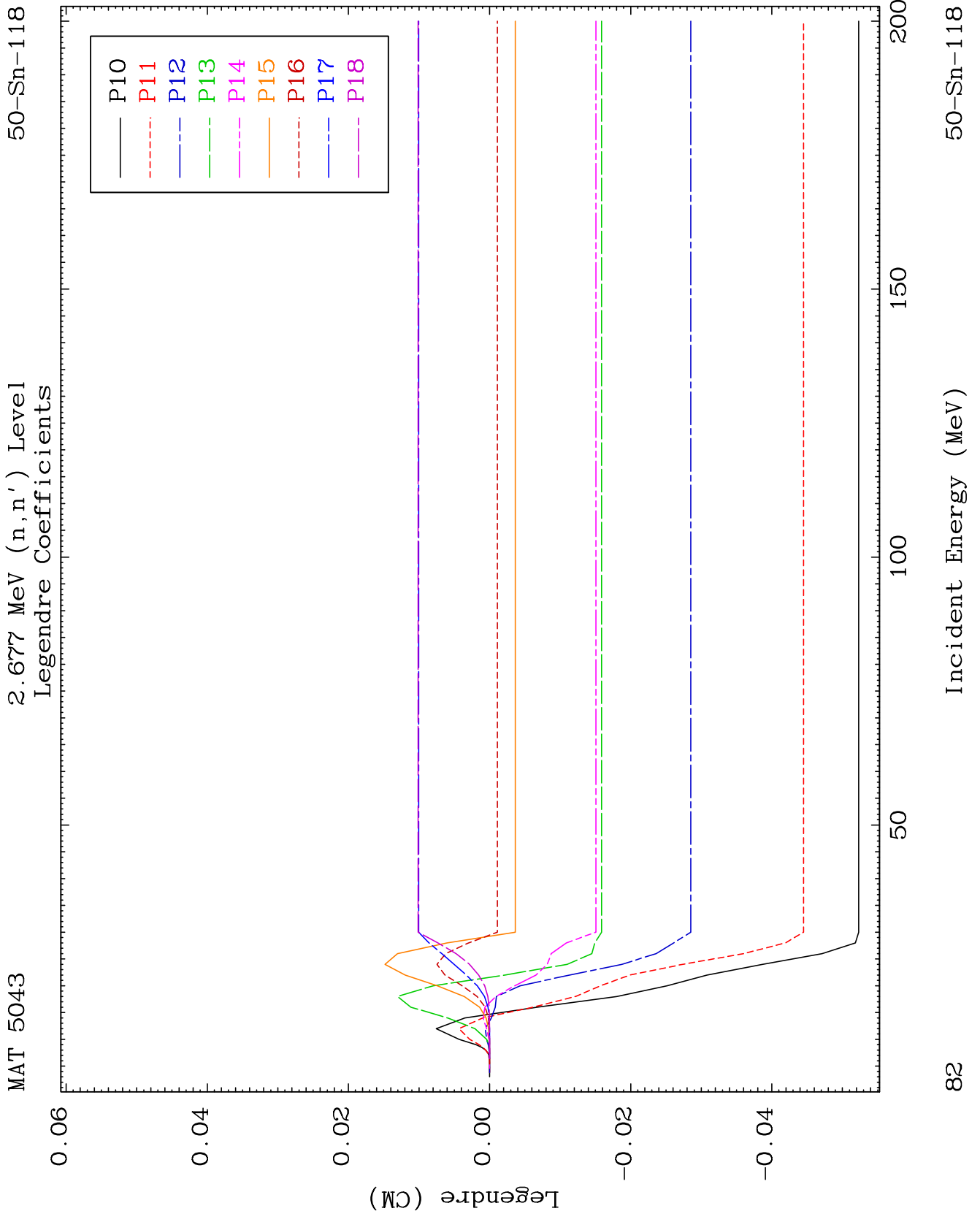


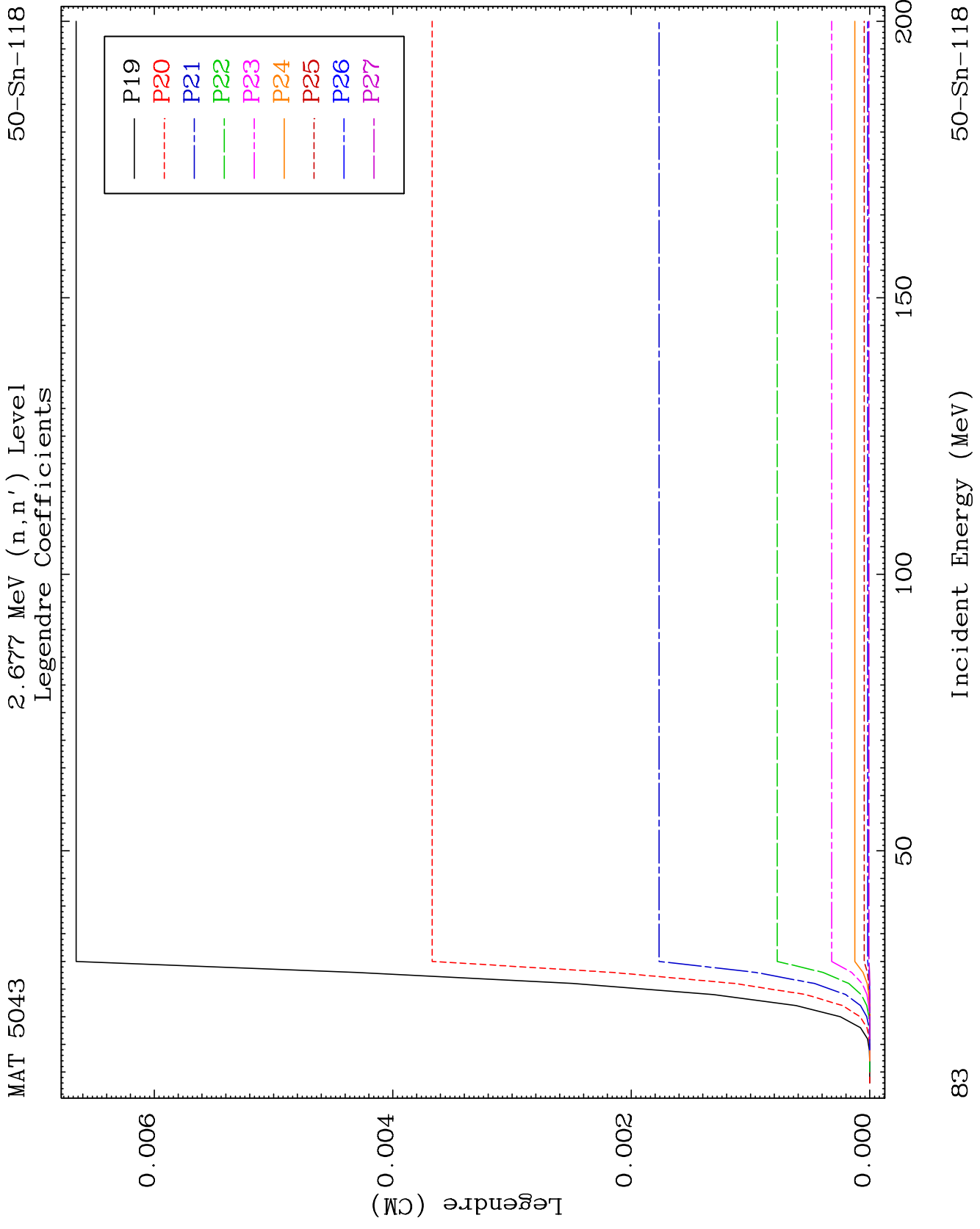


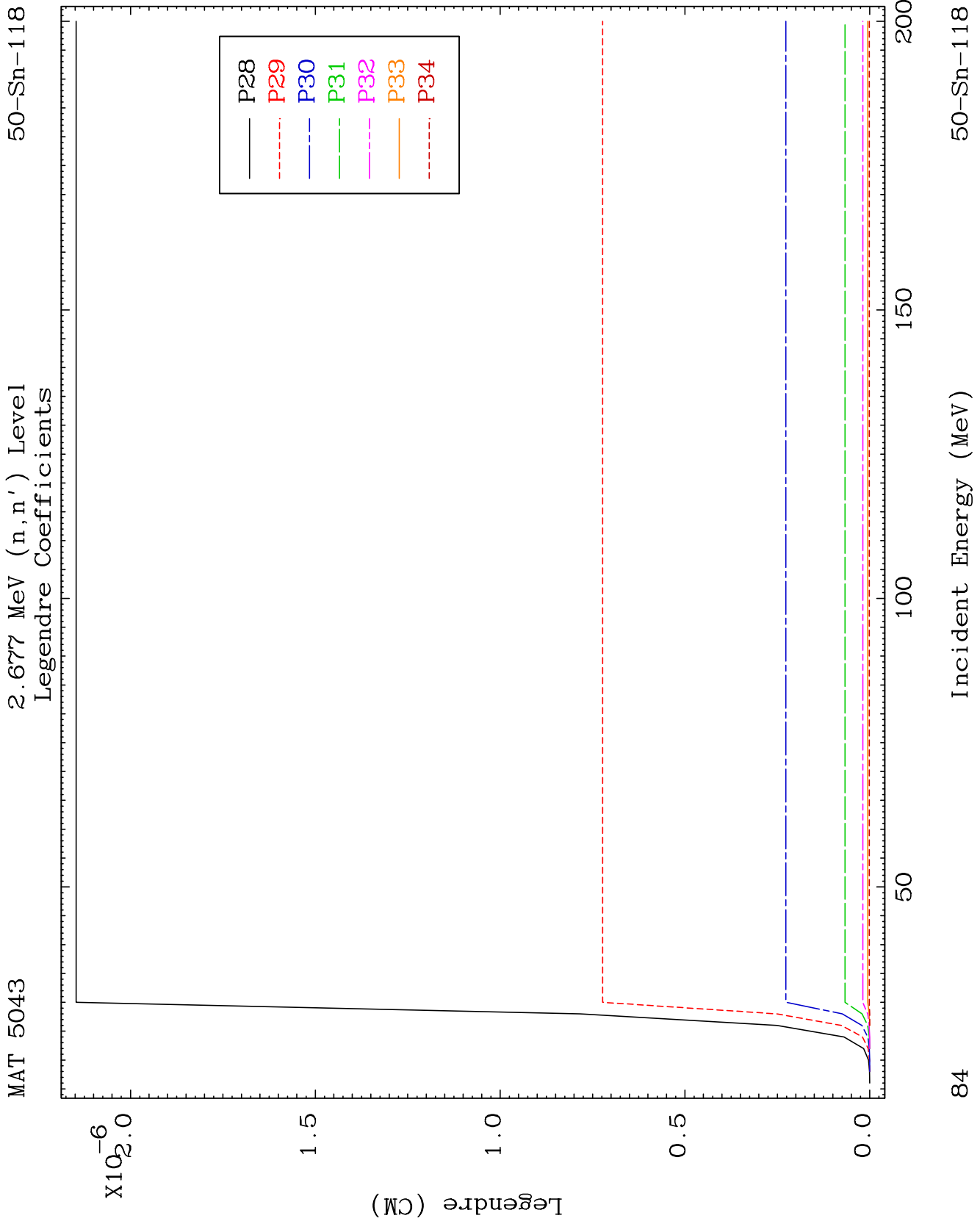


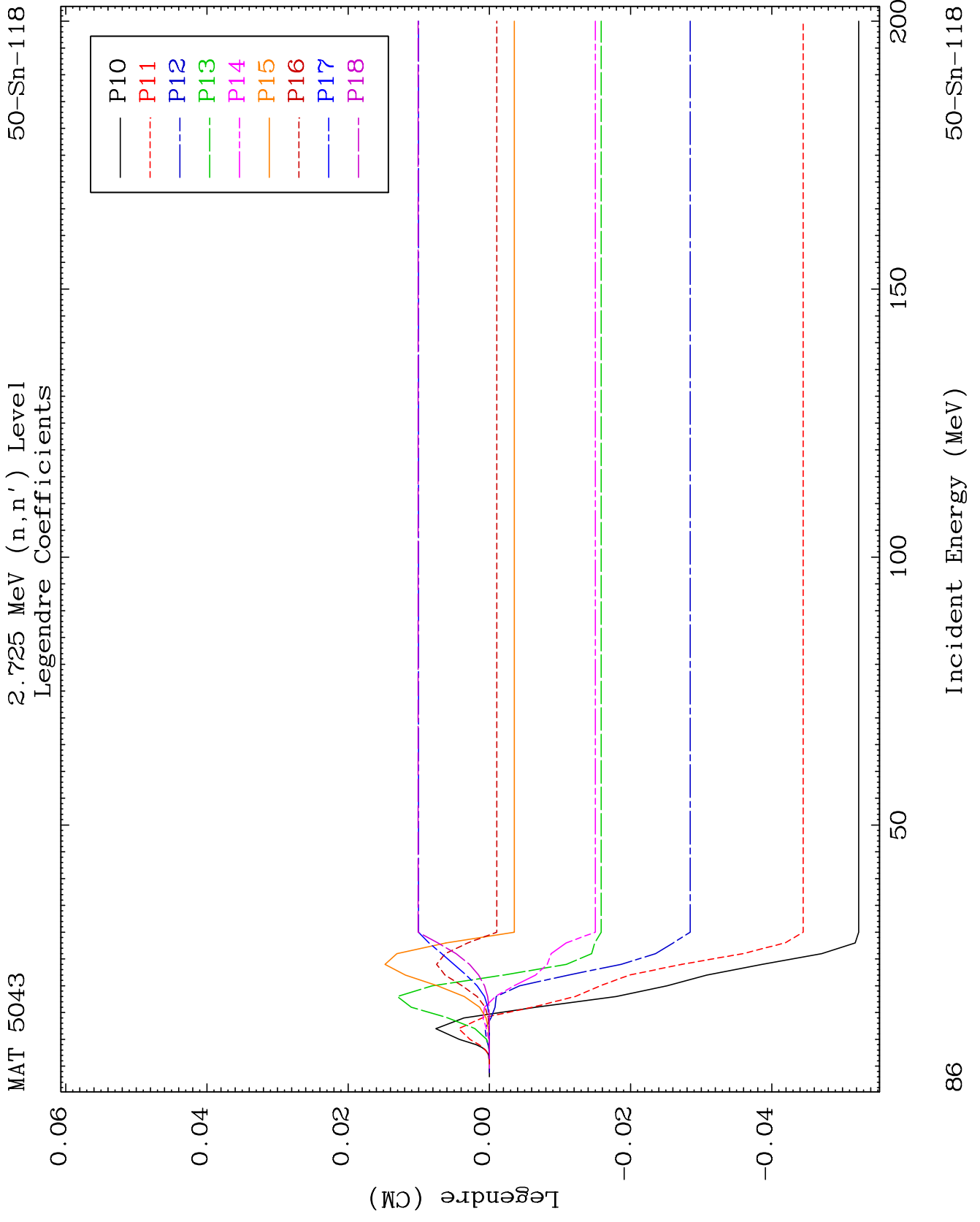


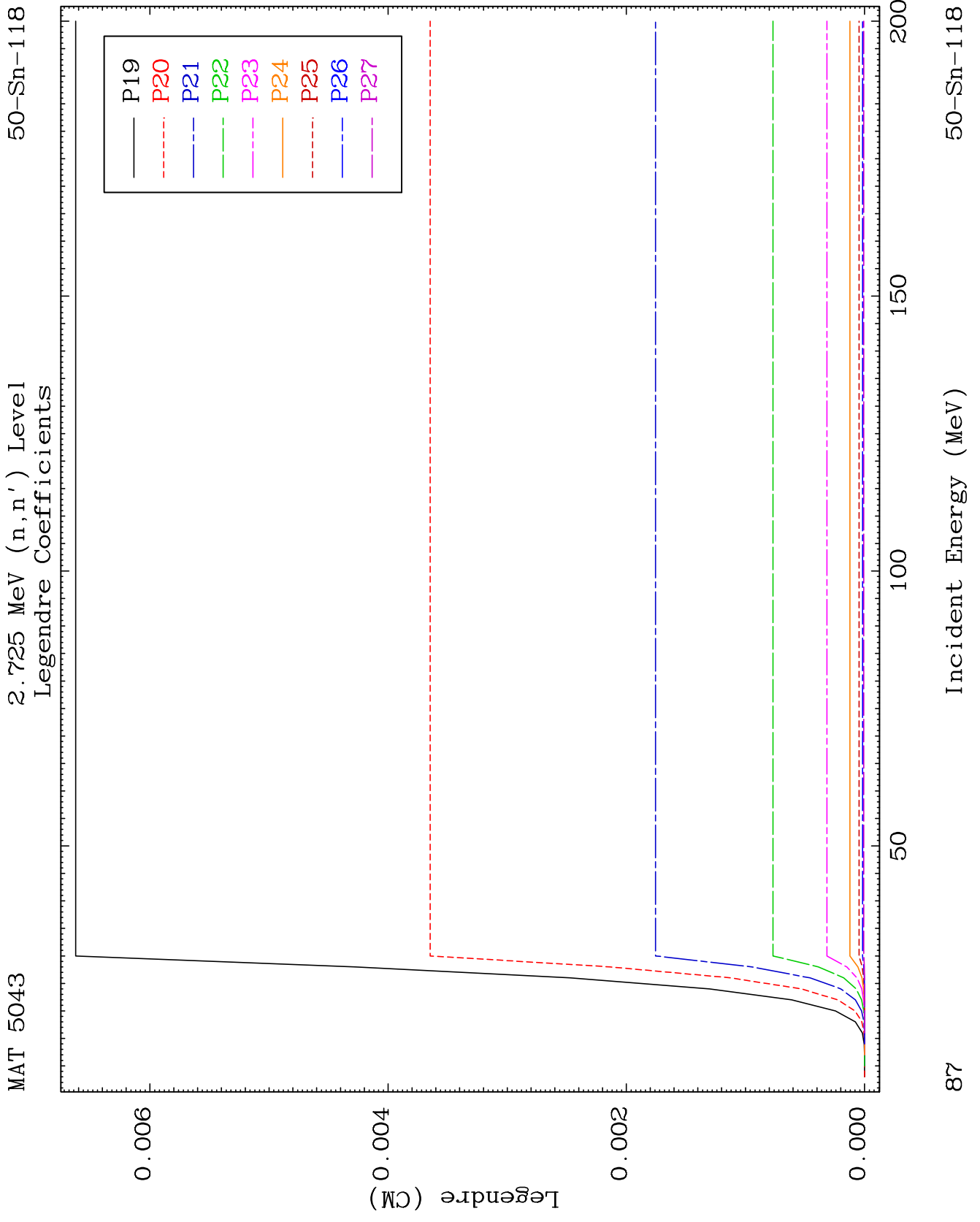


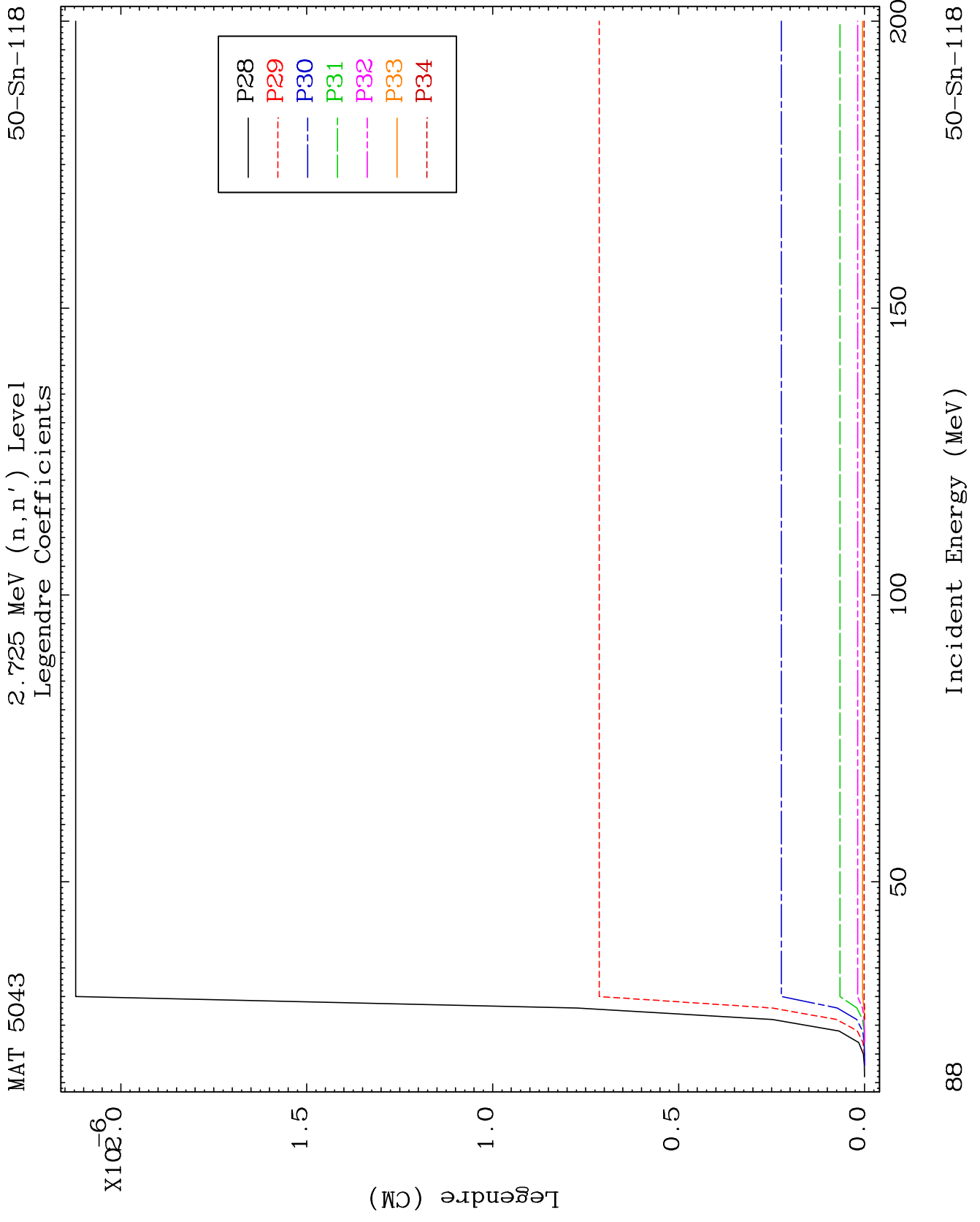


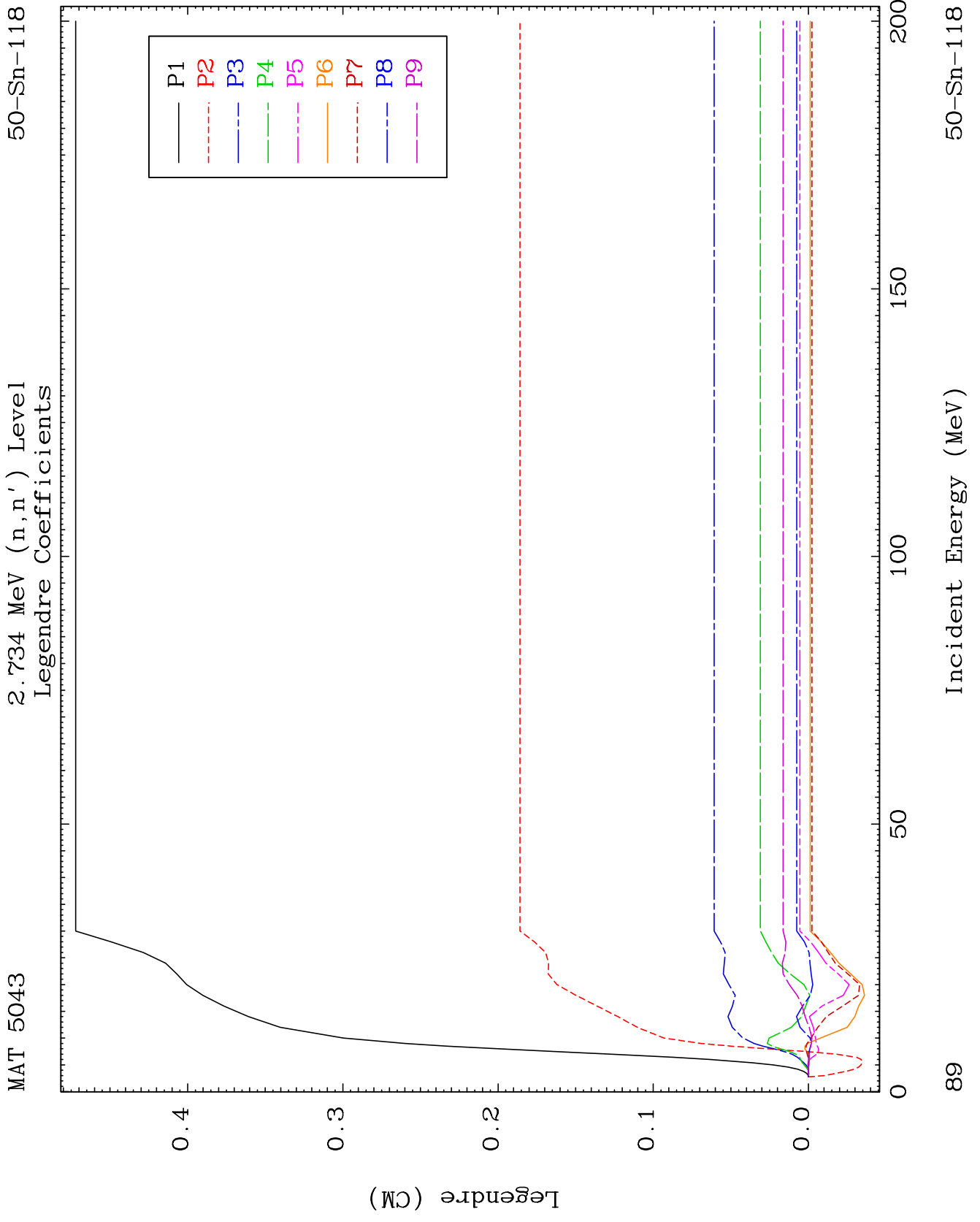


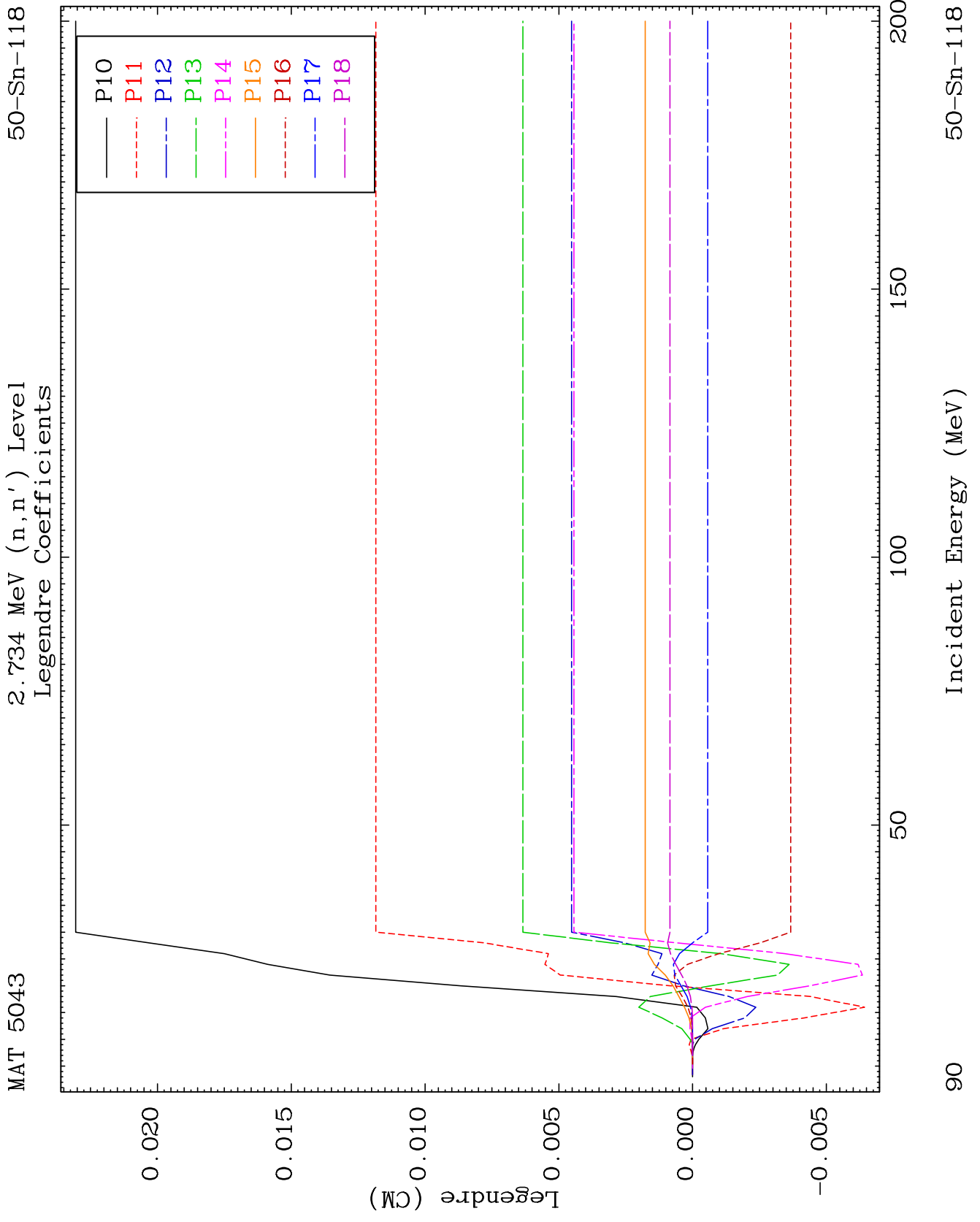








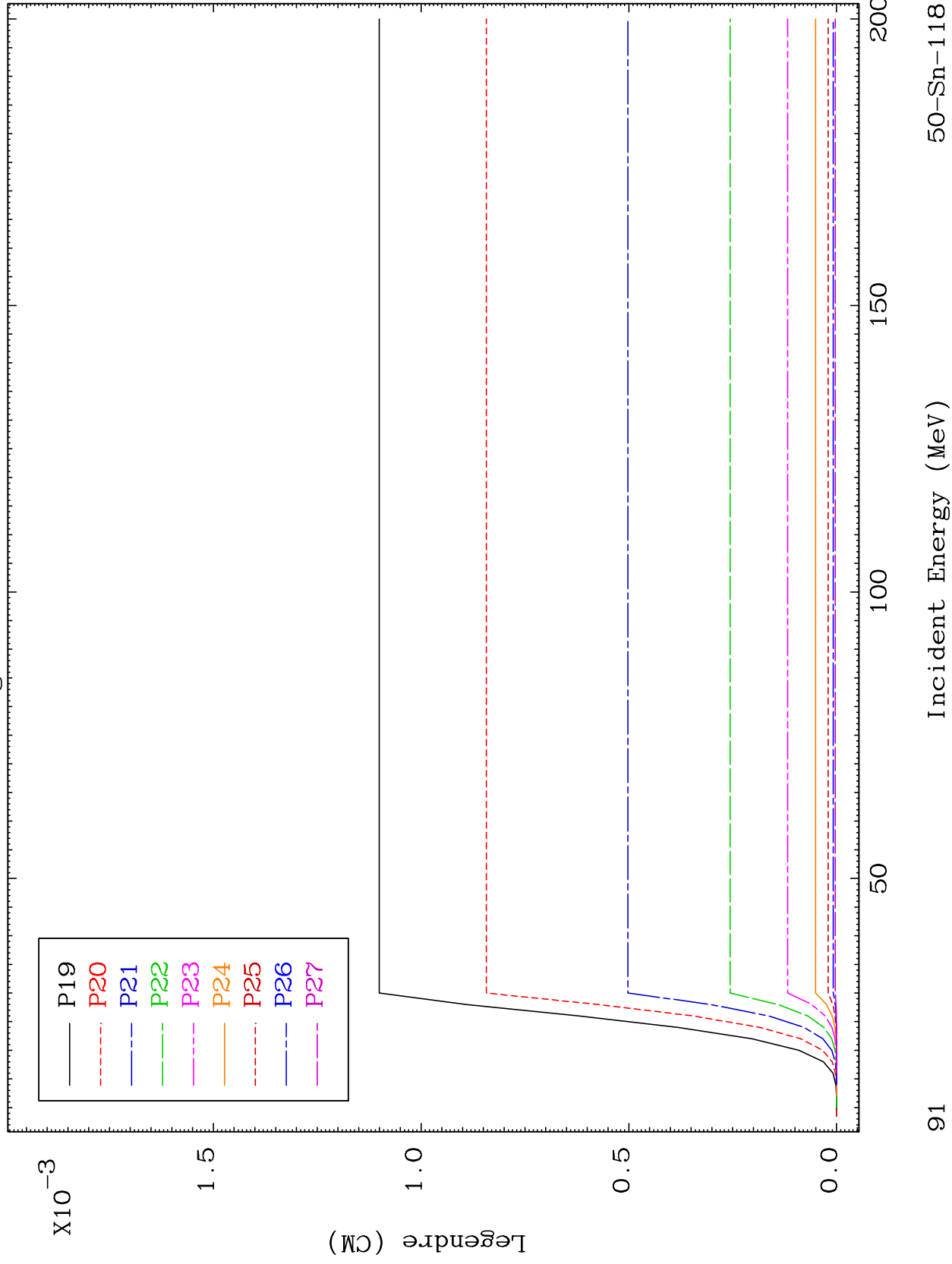




MAT 5043

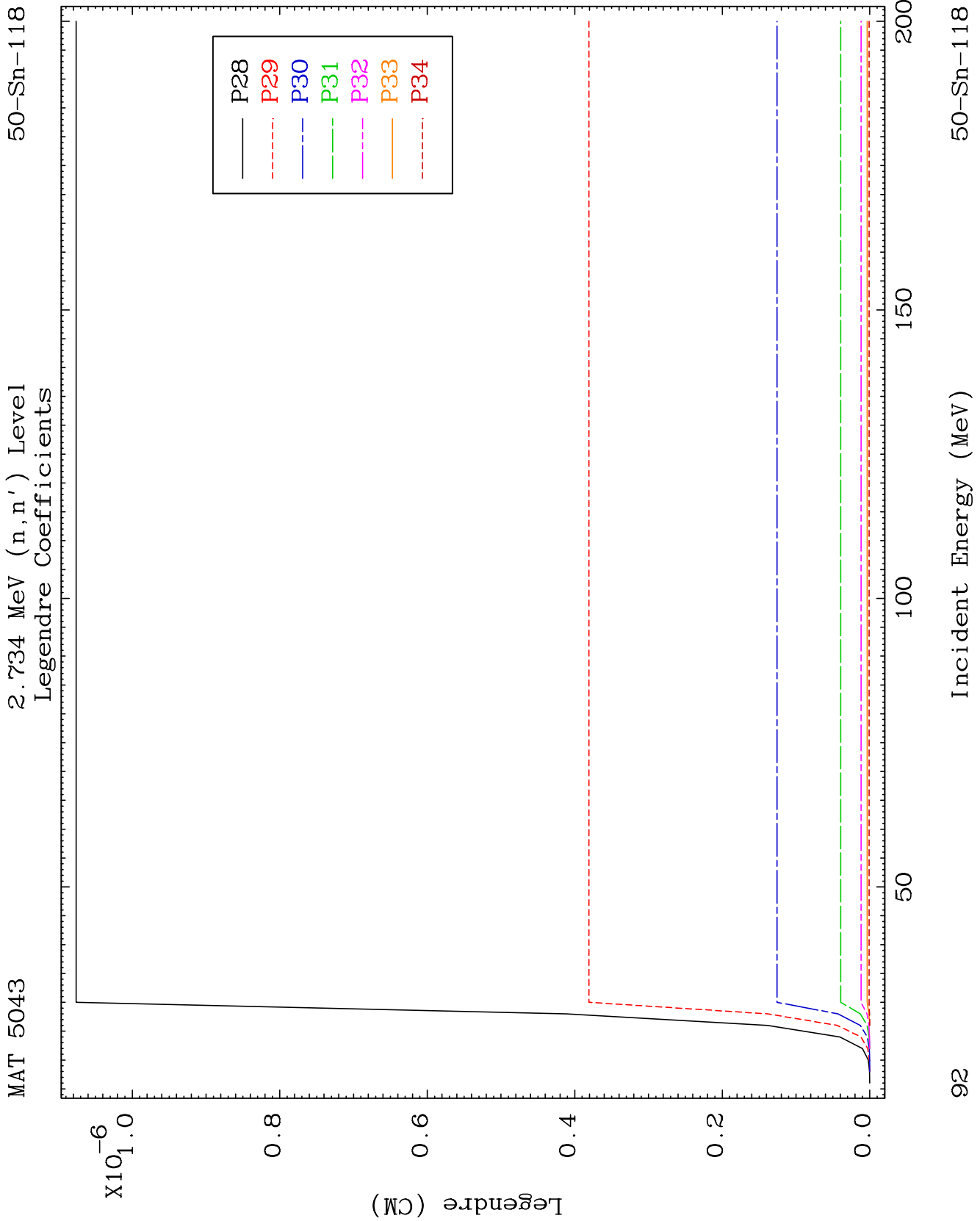
2.734 MeV (n,n') Level
Legendre Coefficients

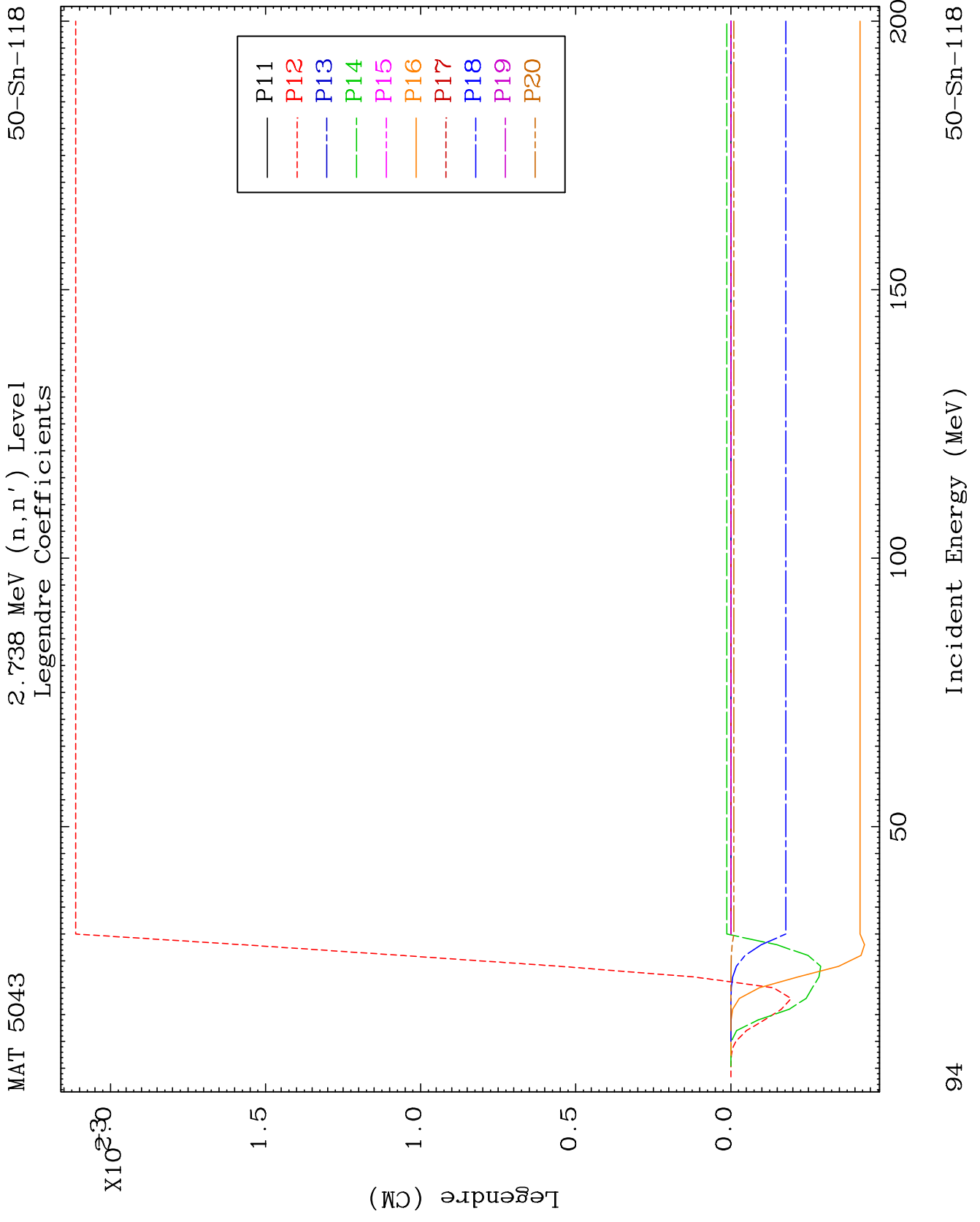
50-Sn-118

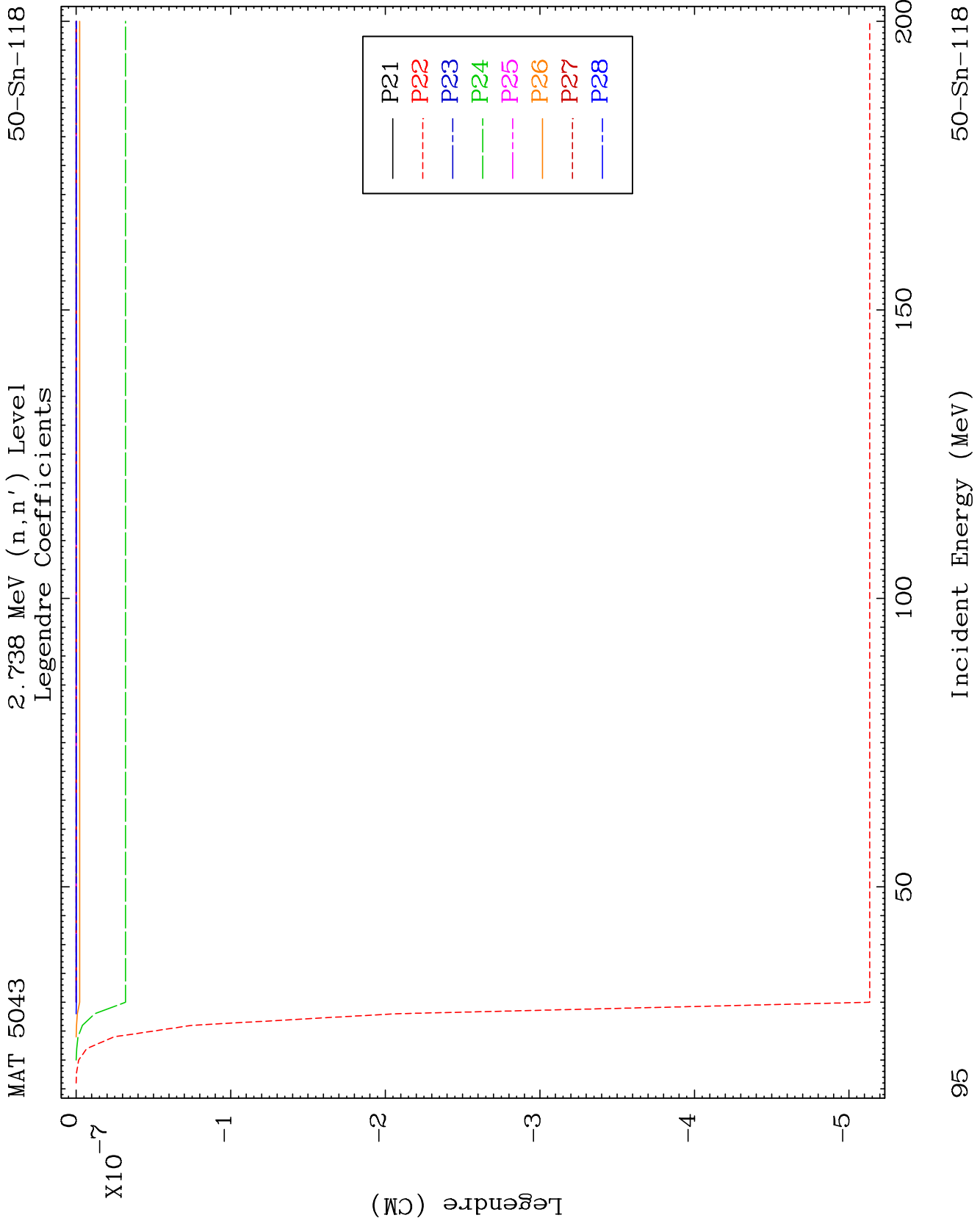


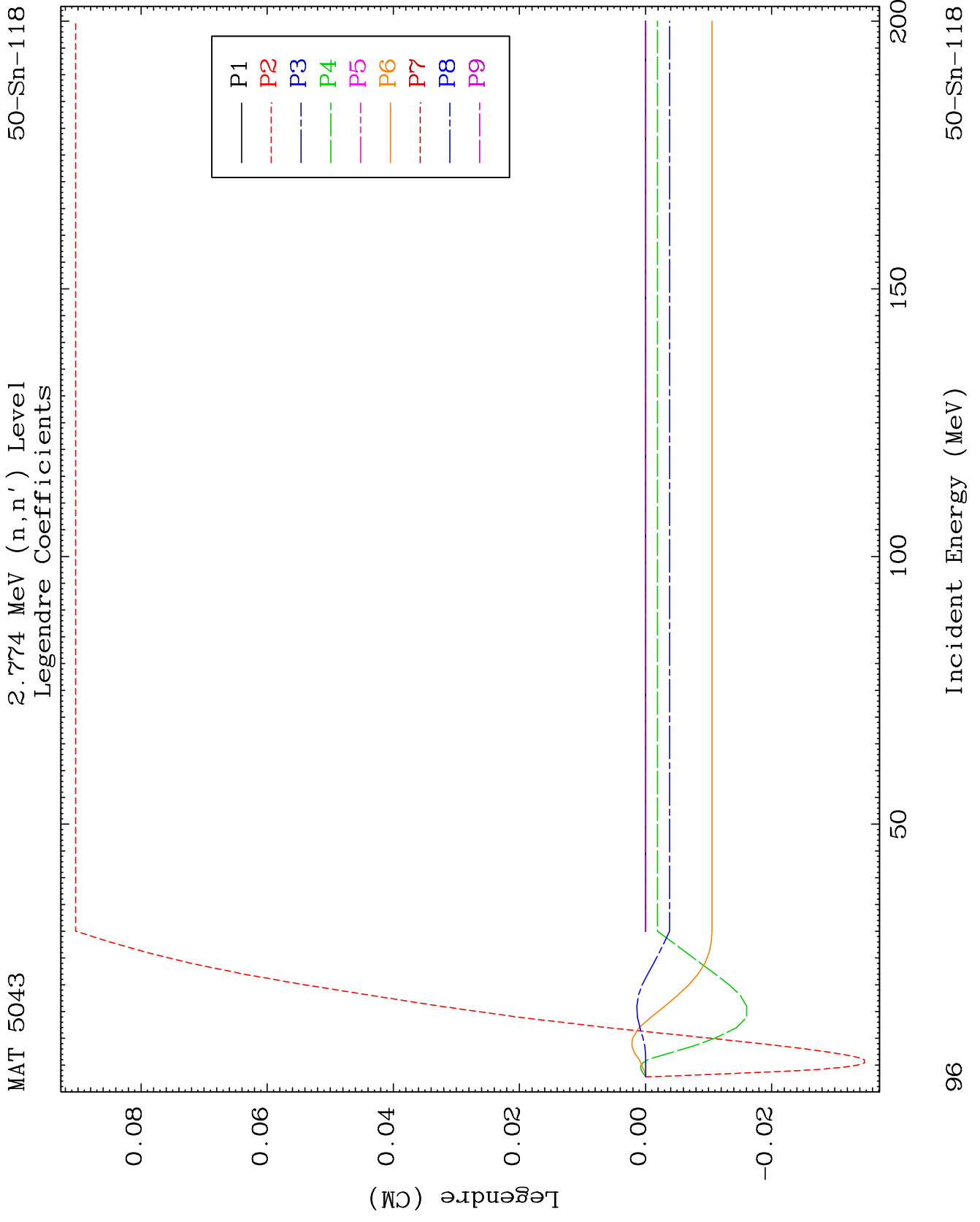
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50-Sn-118





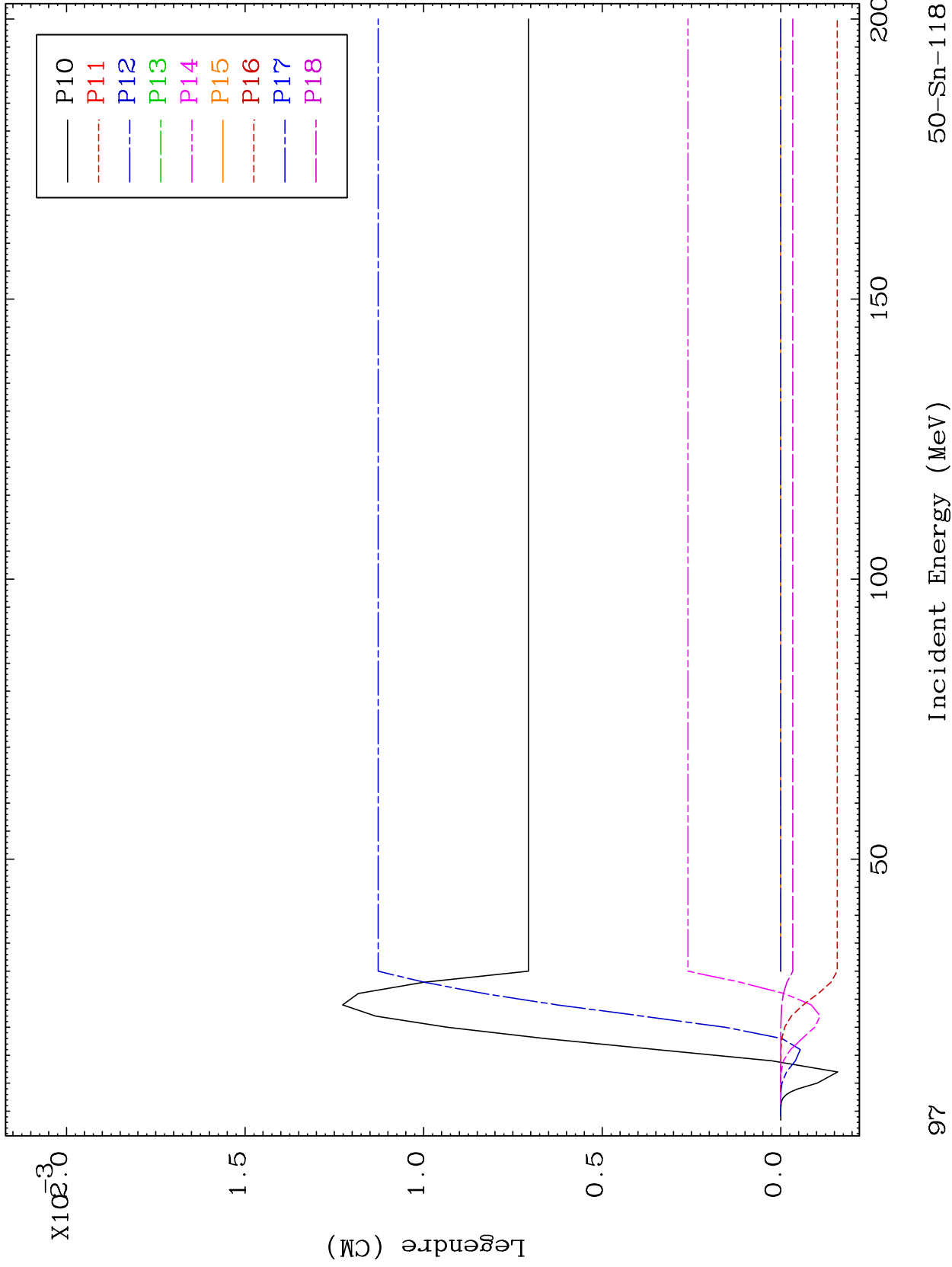


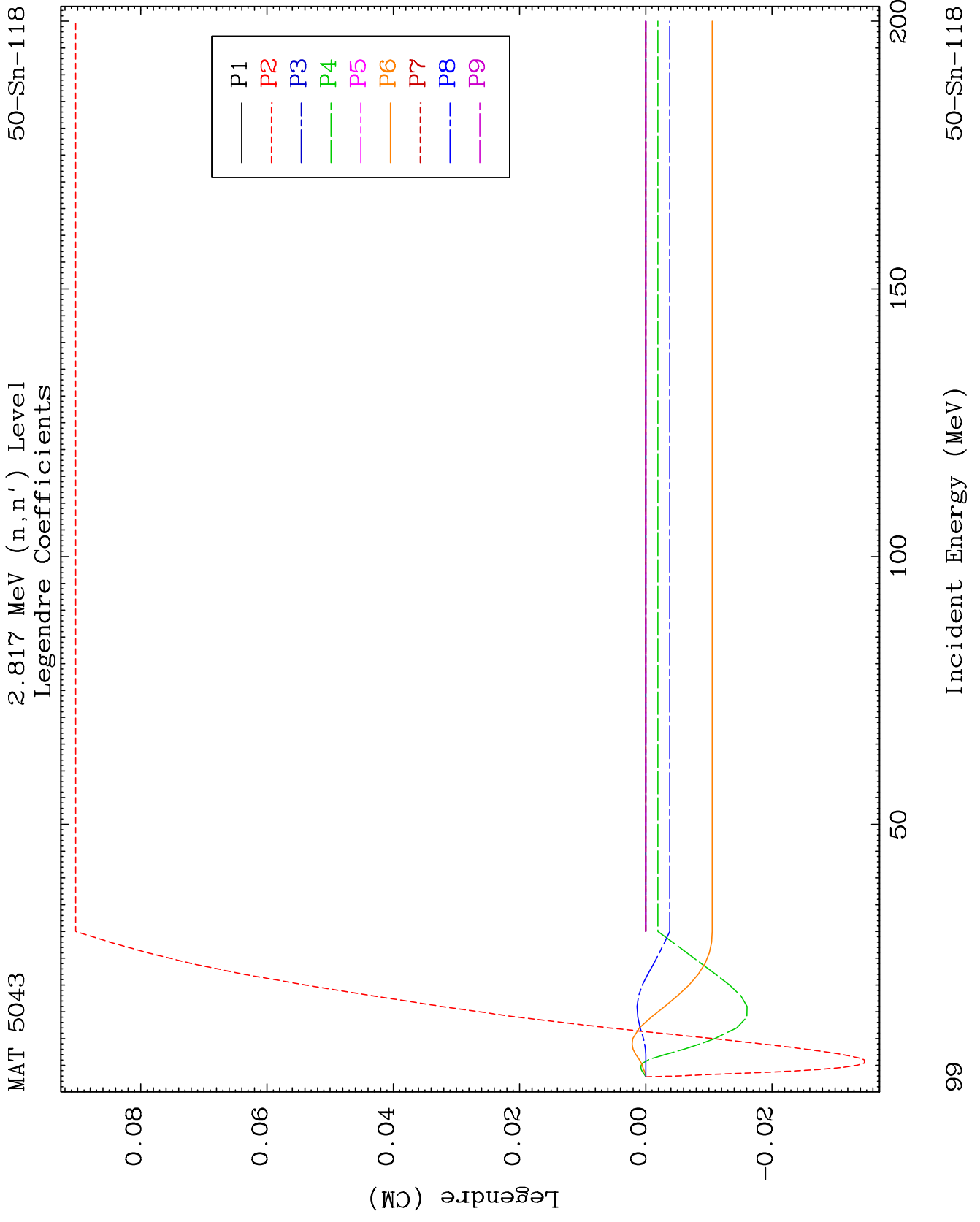


MAT 5043

2.774 MeV (n,n') Level
Legendre Coefficients

50-Sn-118

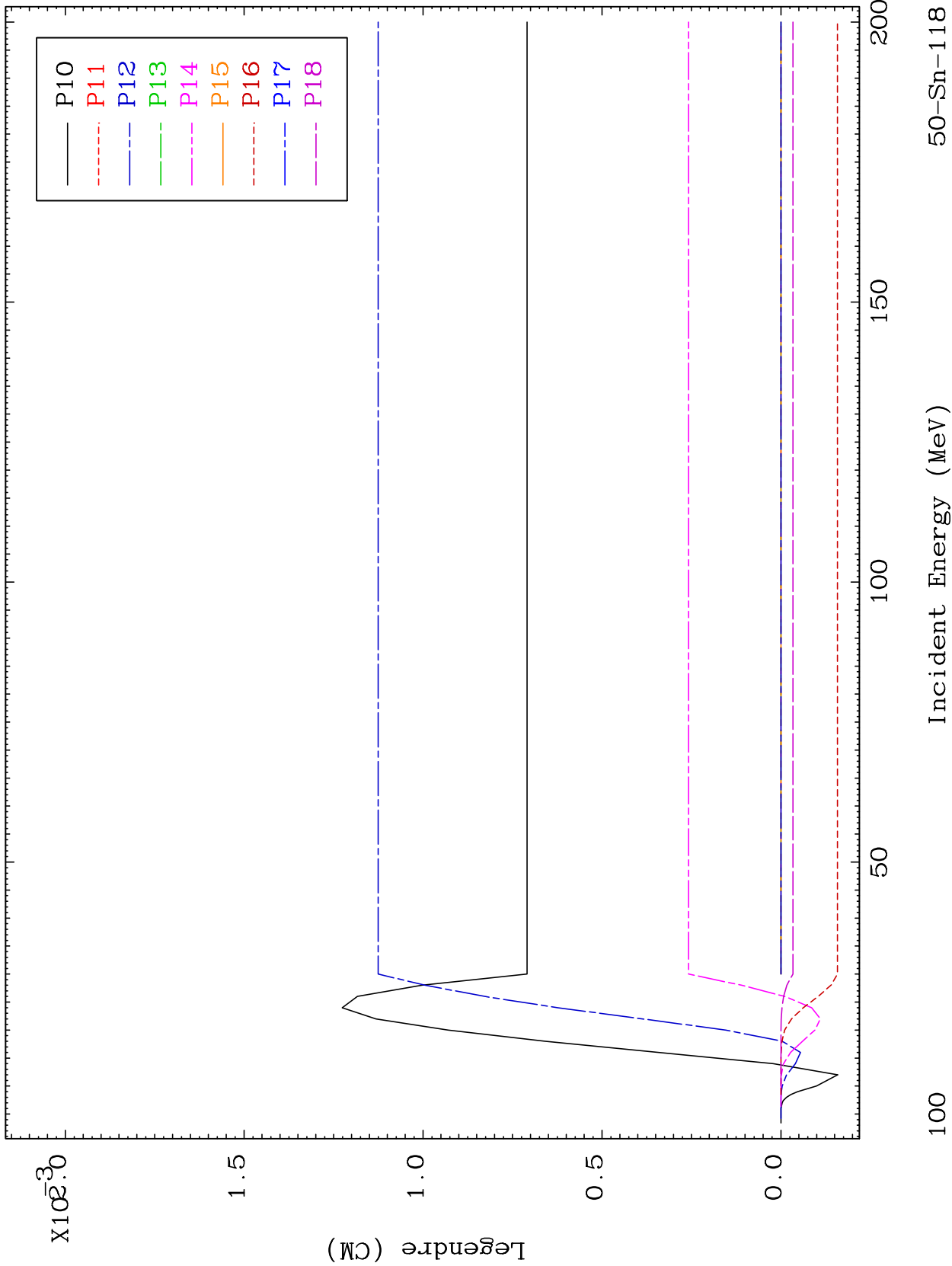


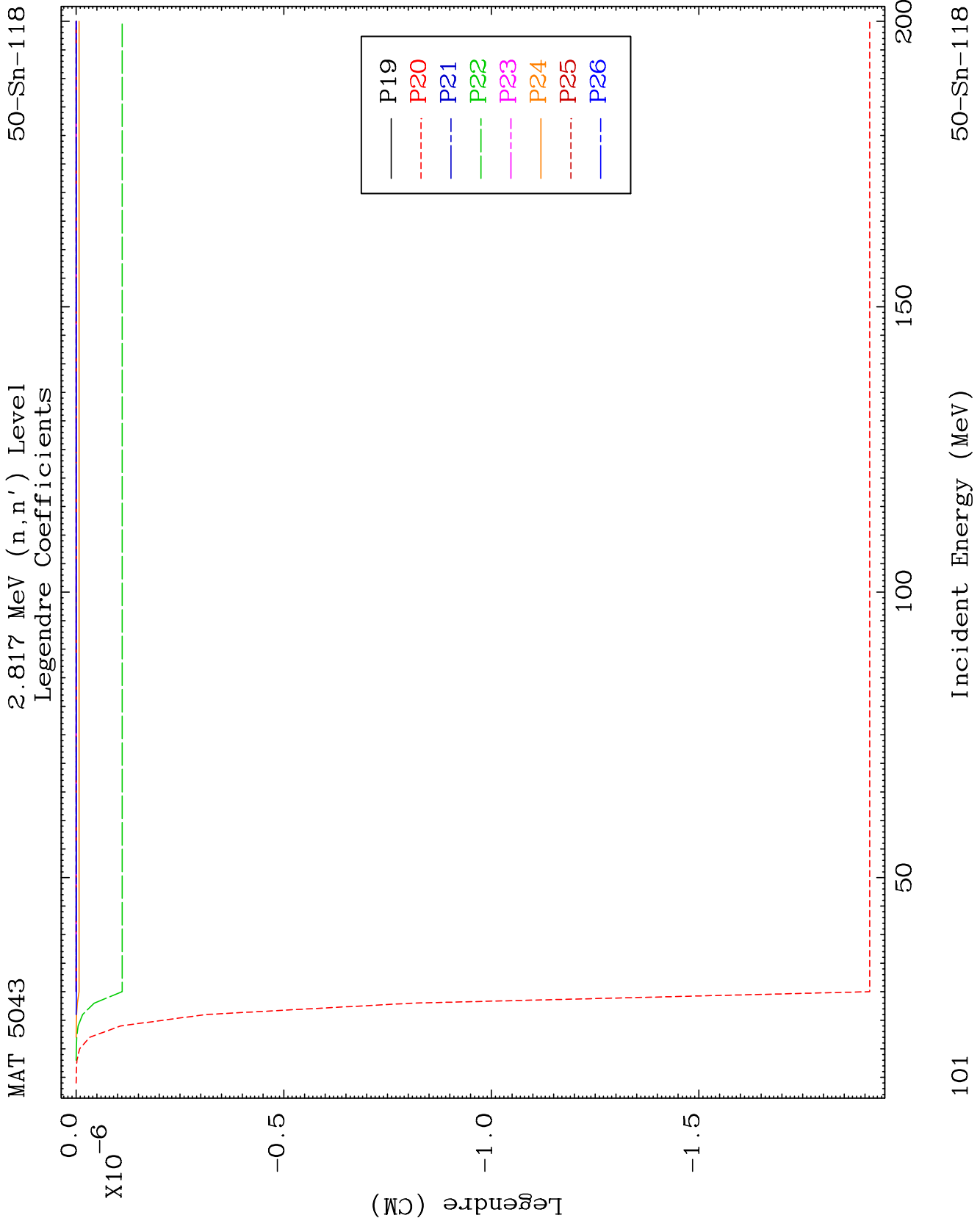


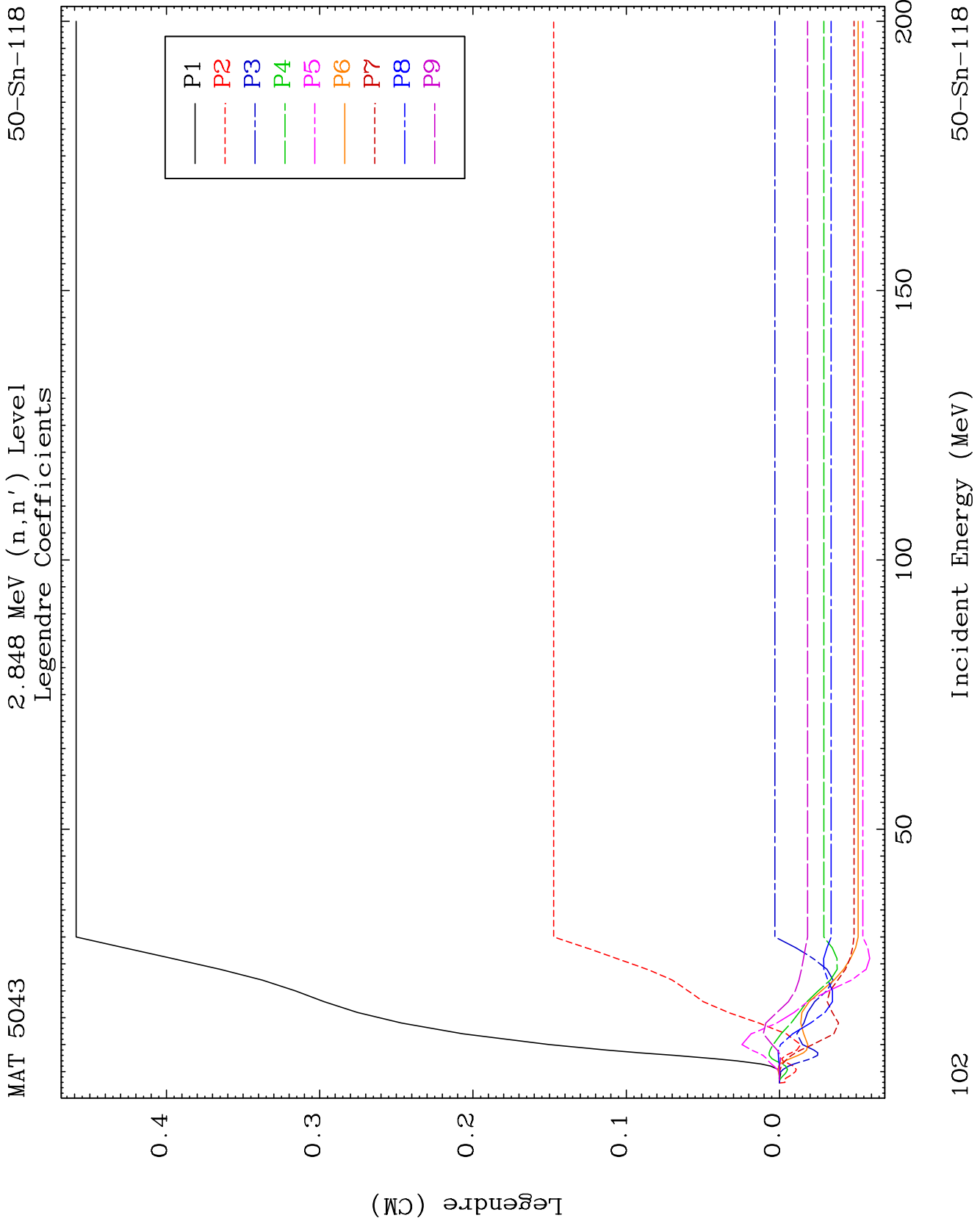
MAT 5043

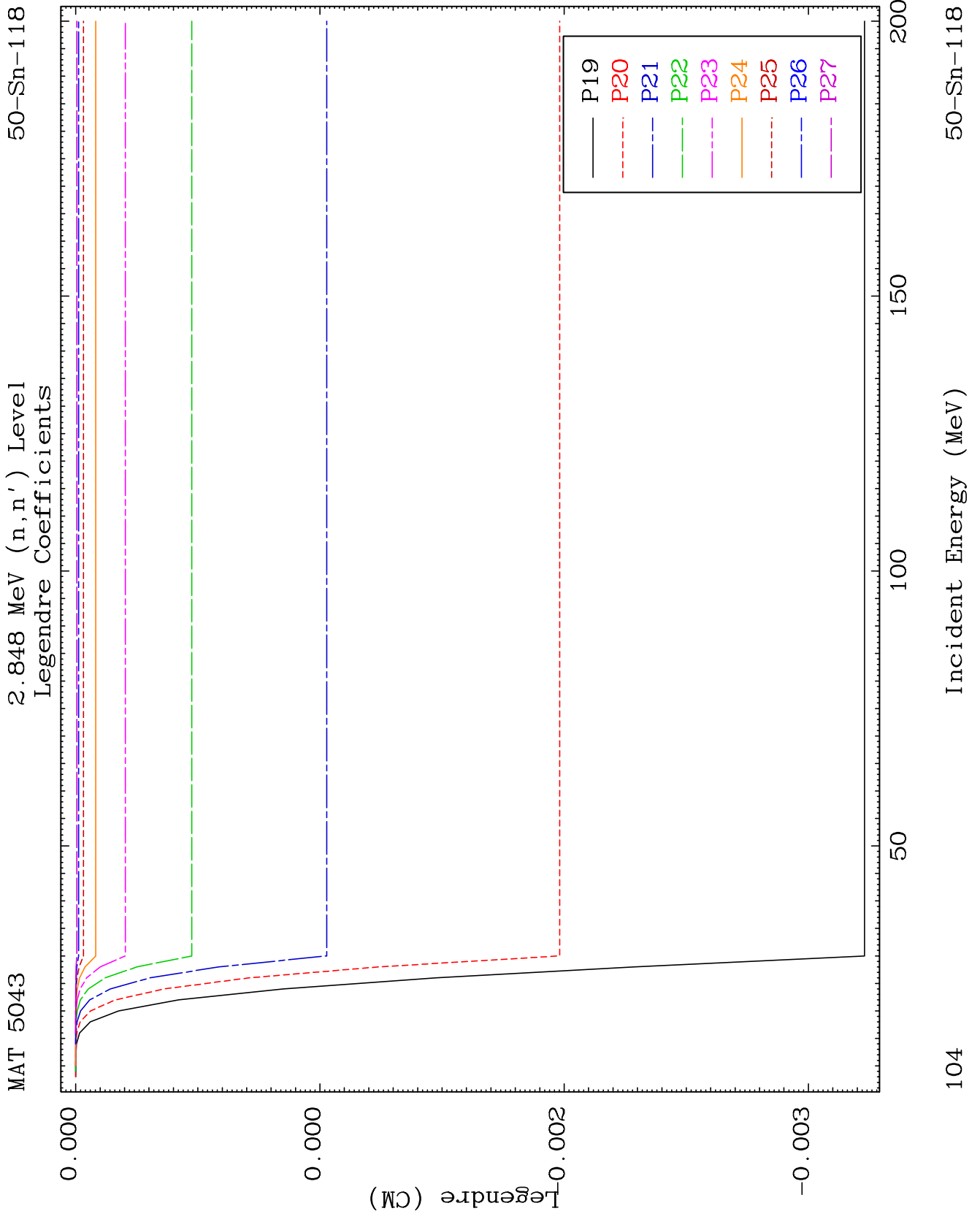
2.817 MeV (n,n') Level
Legendre Coefficients

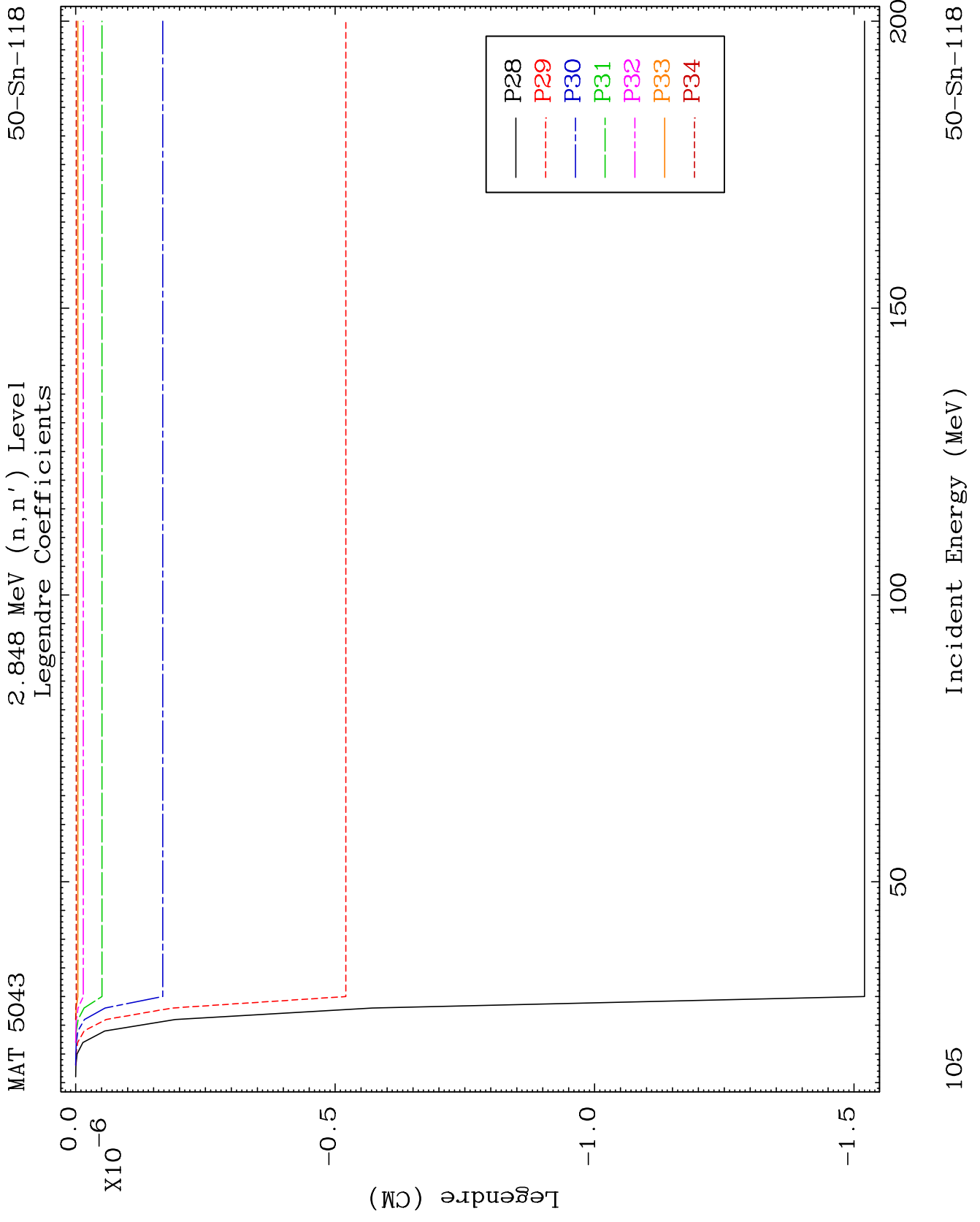
50-Sn-118

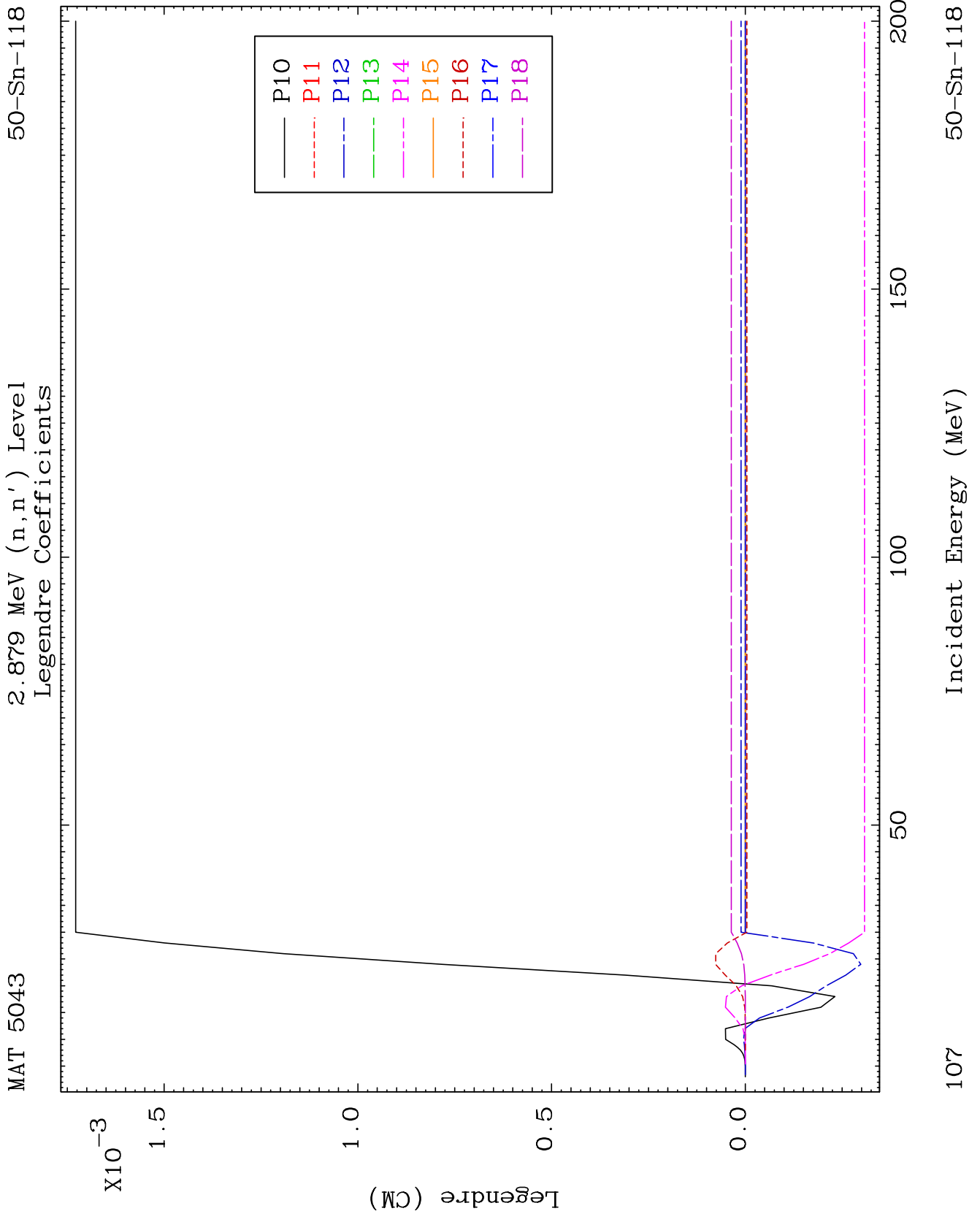


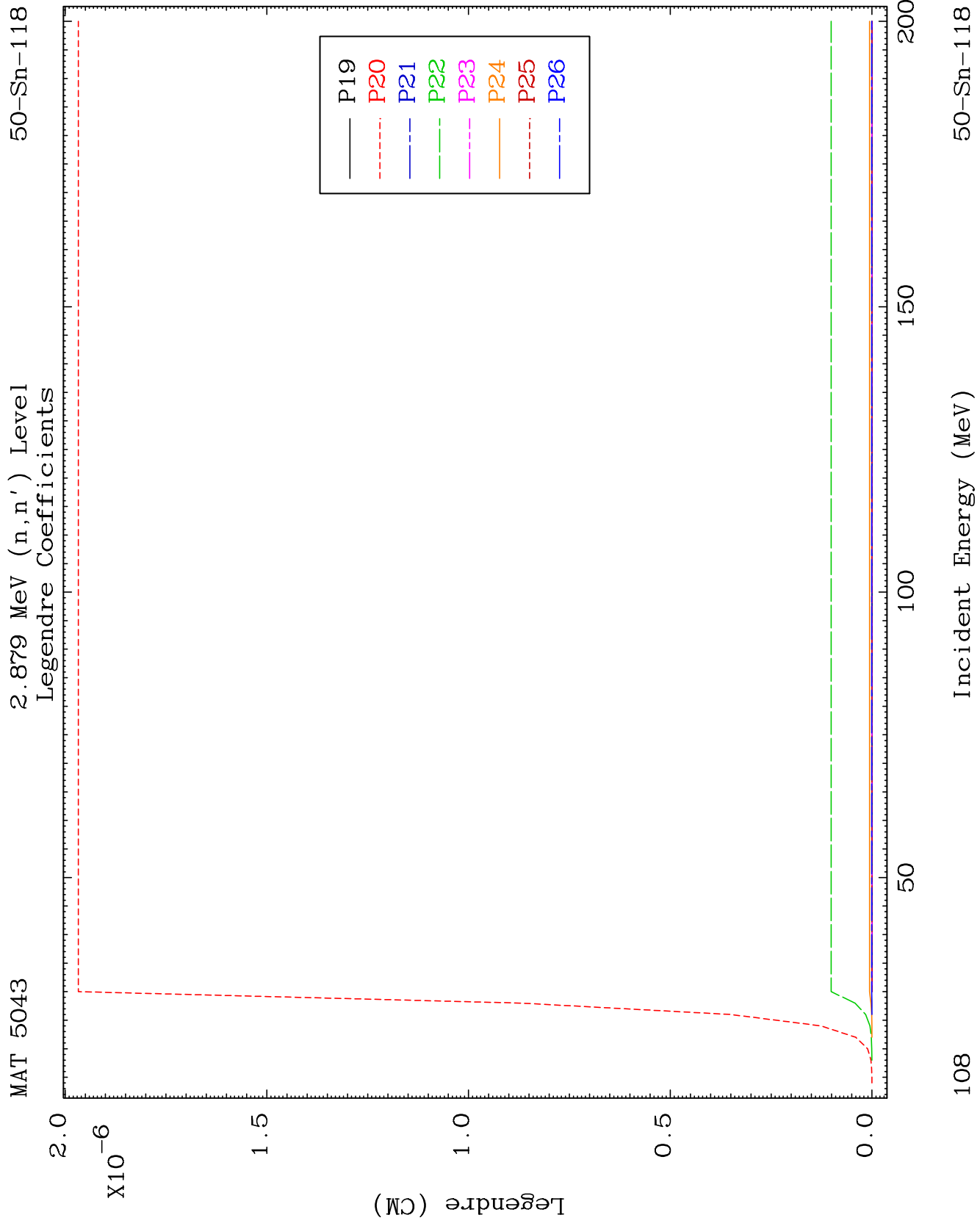


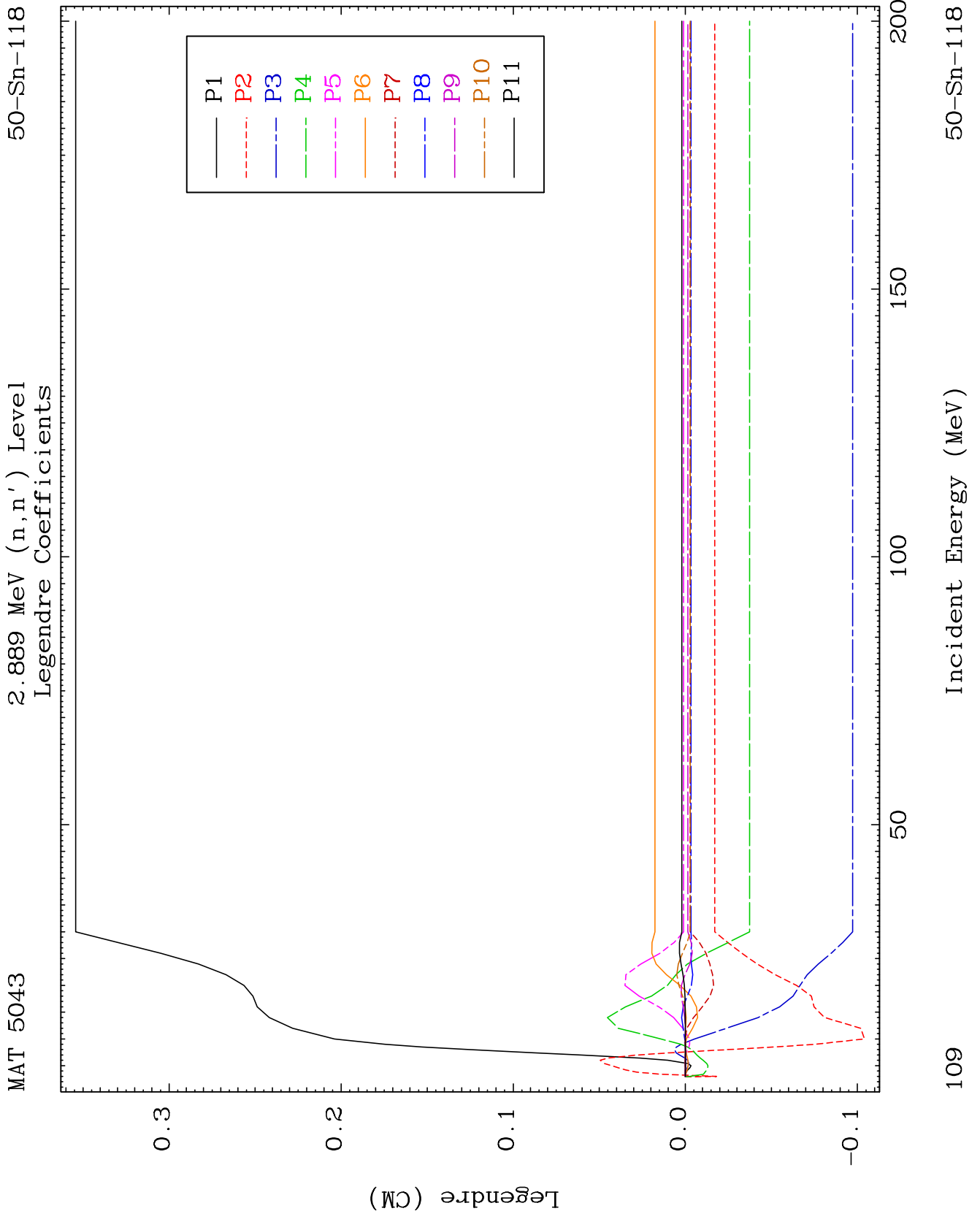








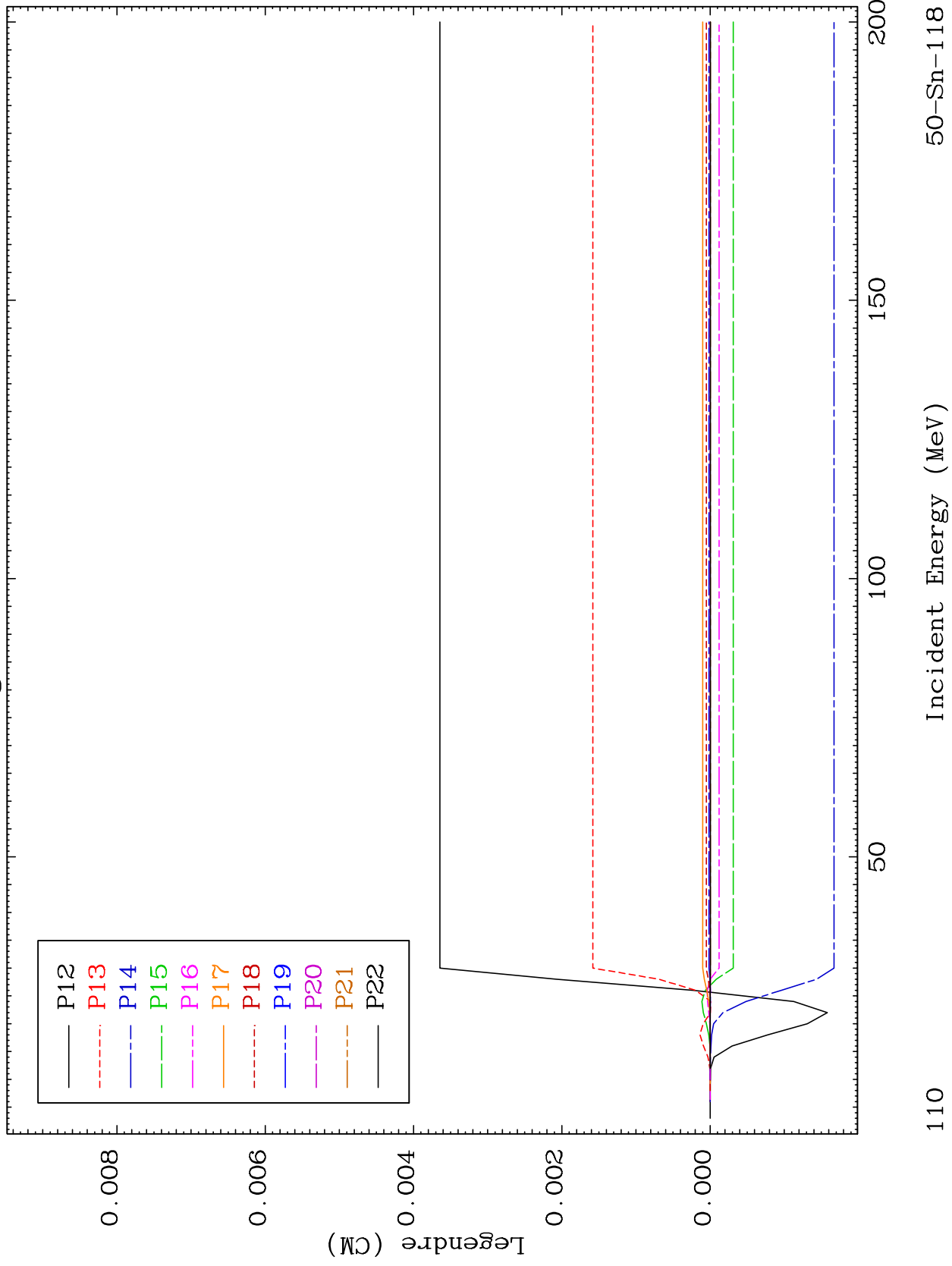


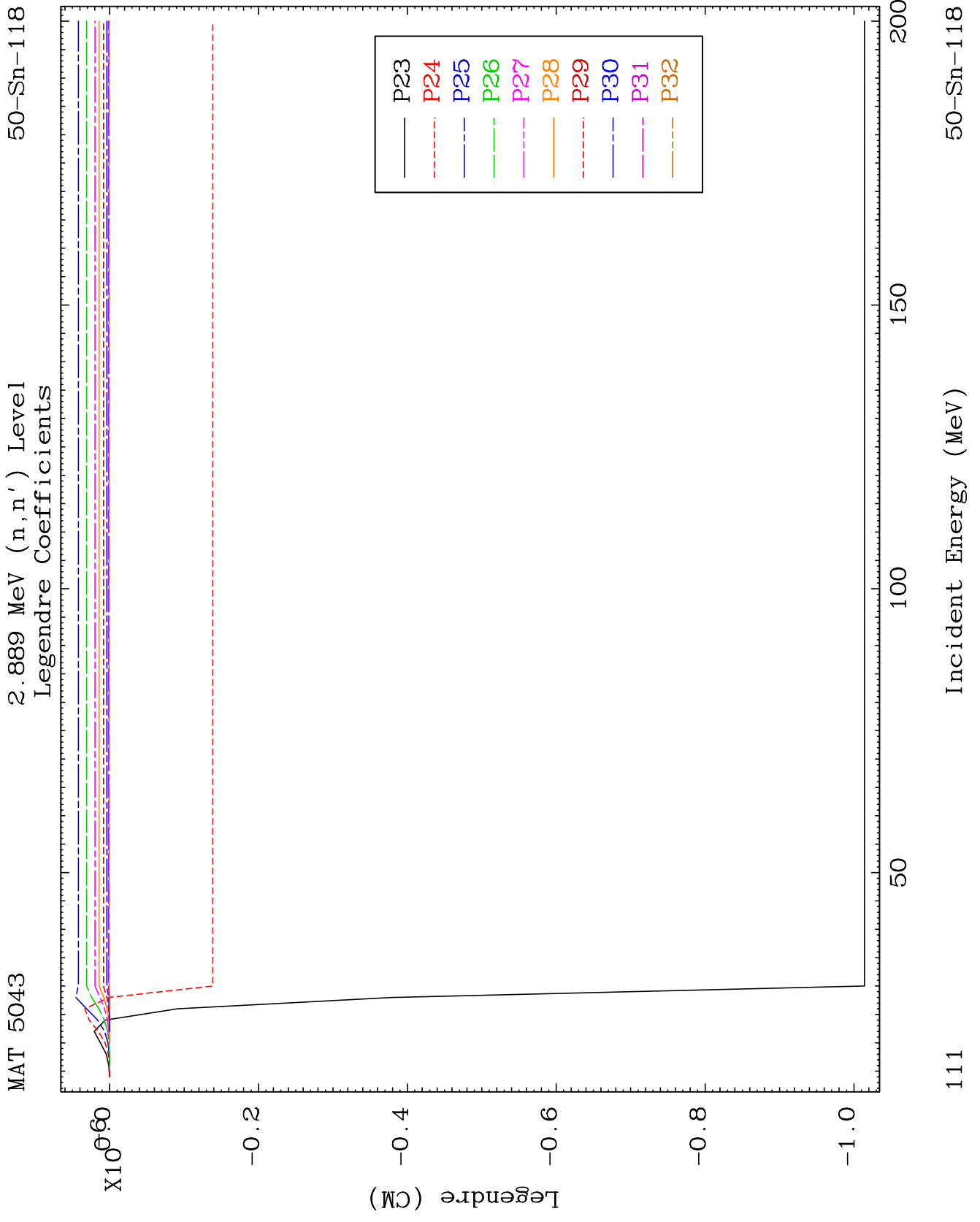


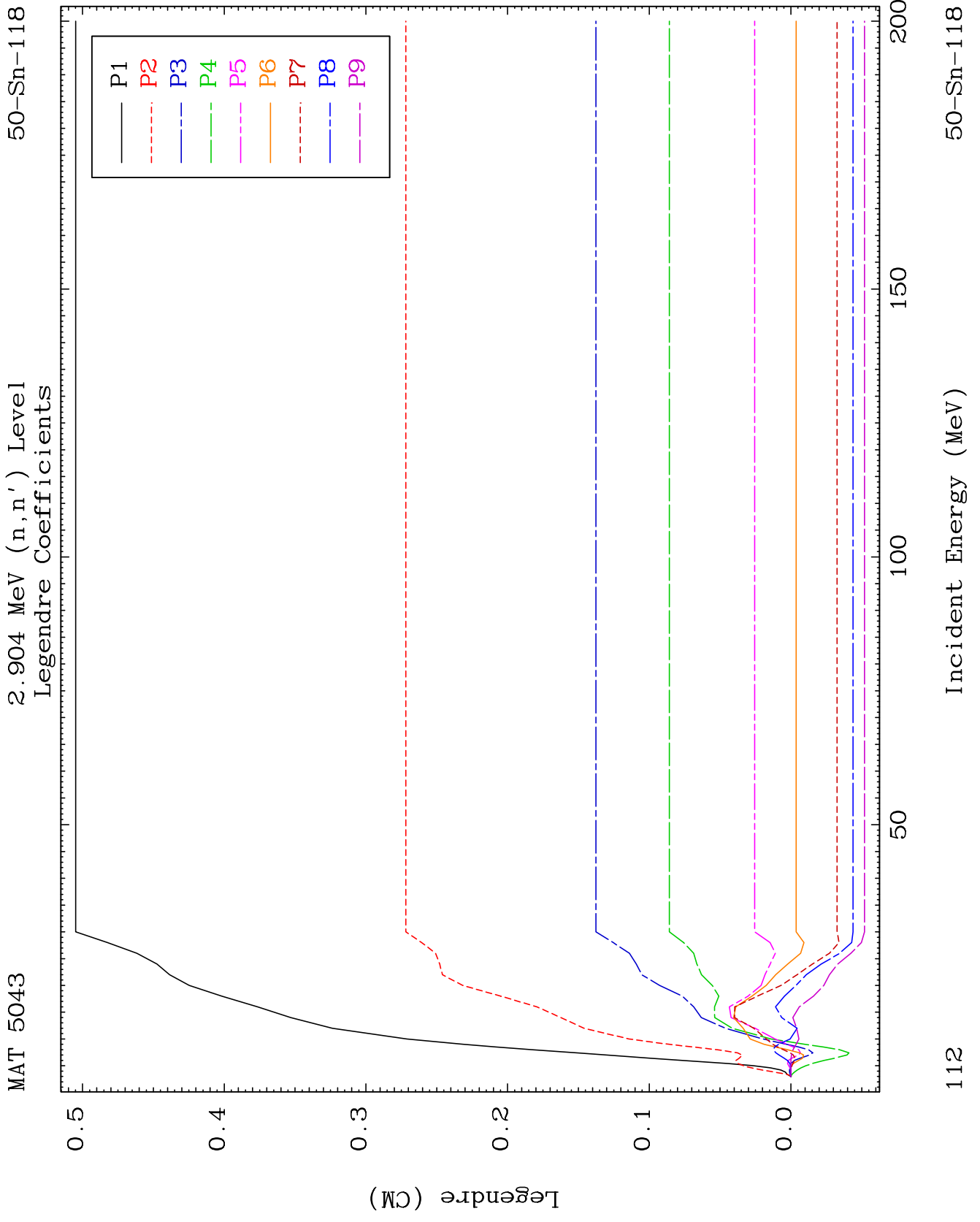
MAT 5043

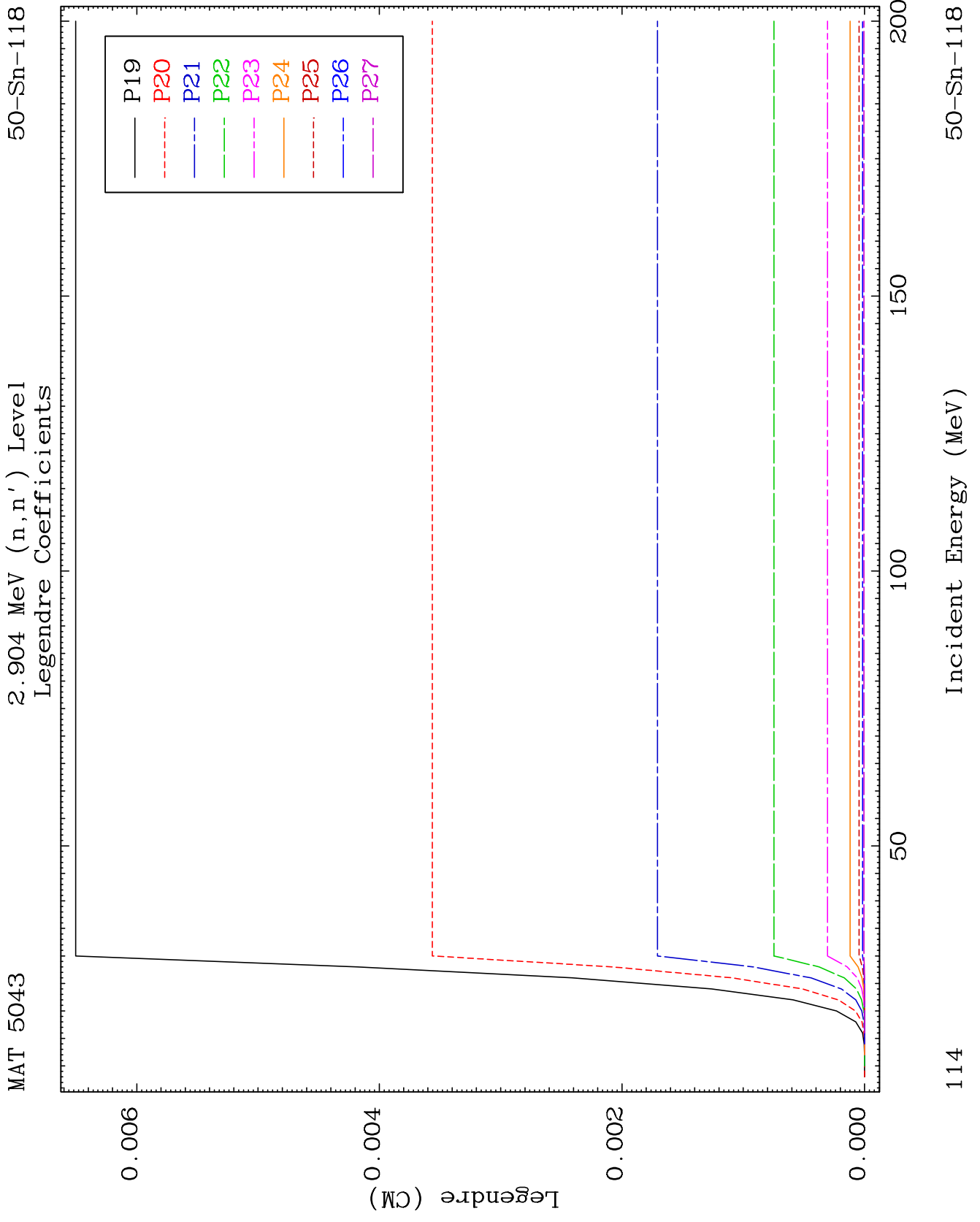
2.889 MeV (n,n') Level
Legendre Coefficients

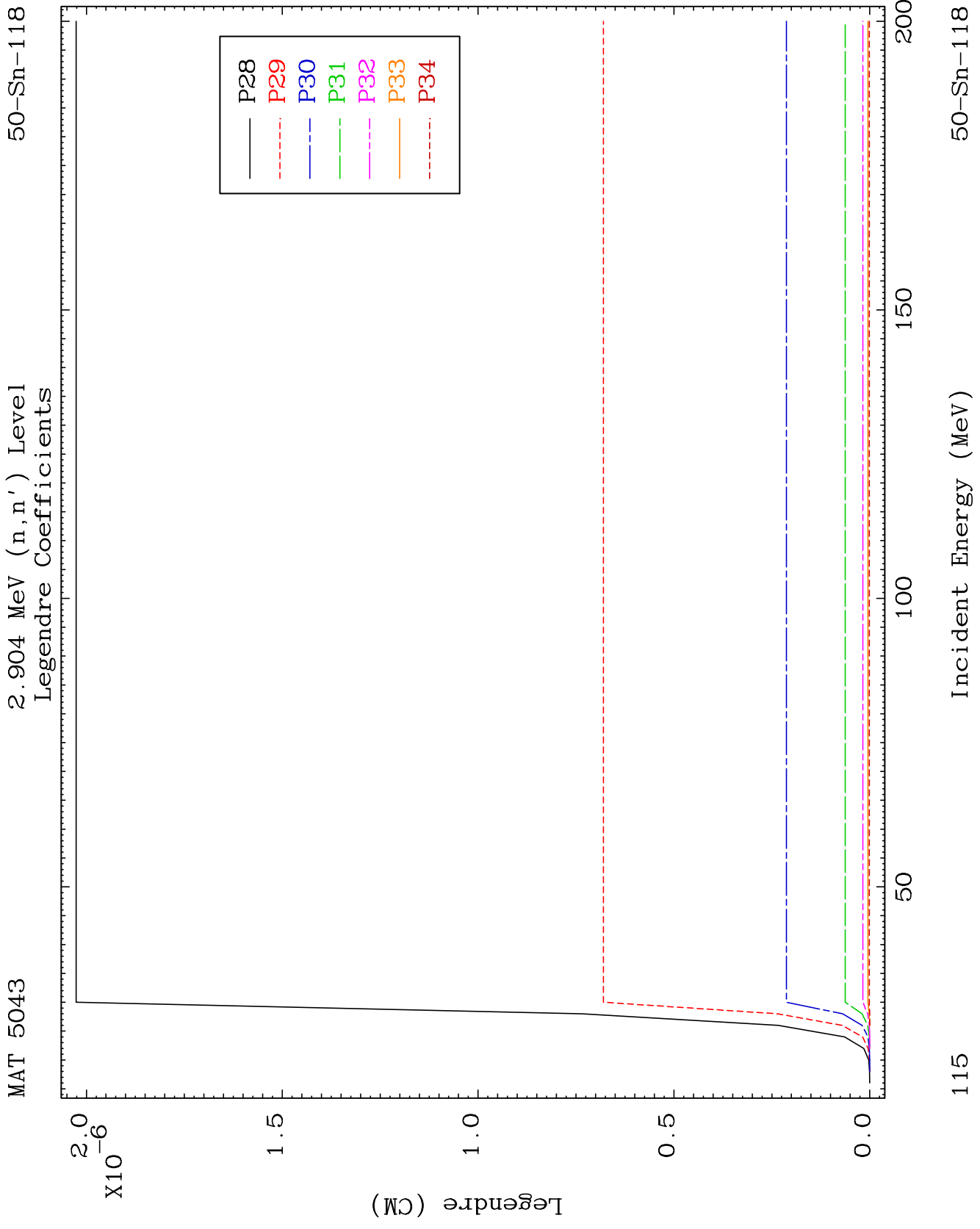
50-Sn-118

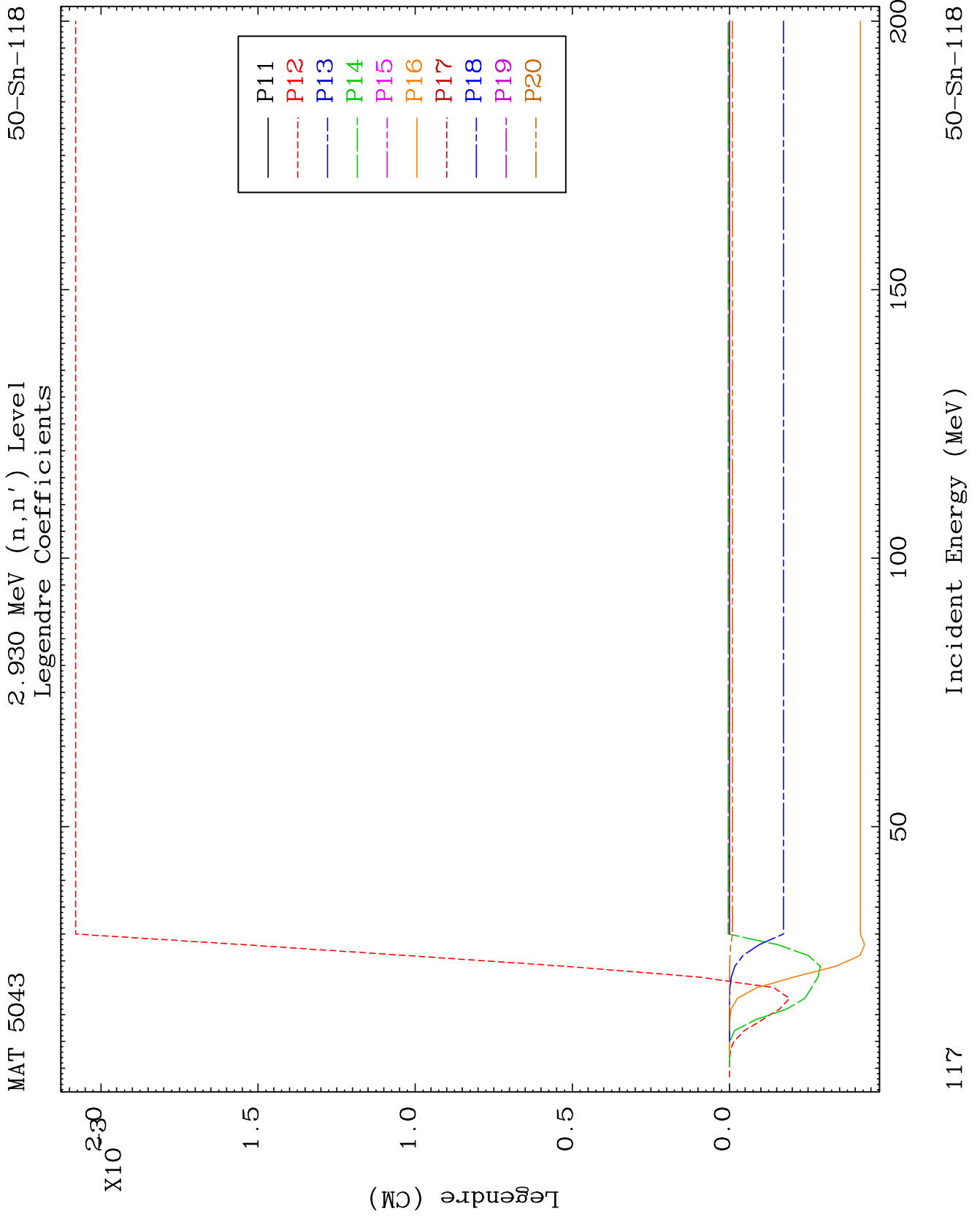


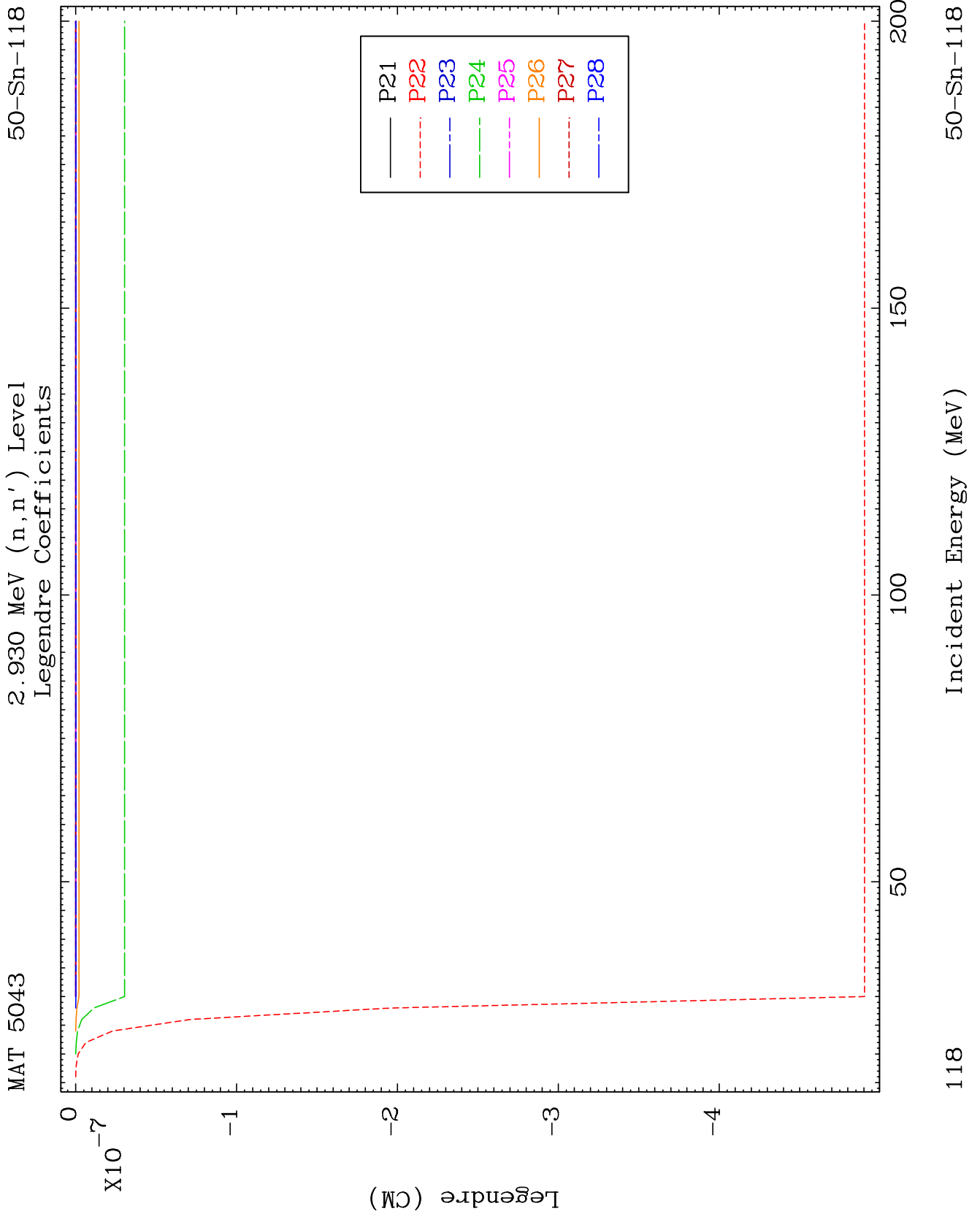


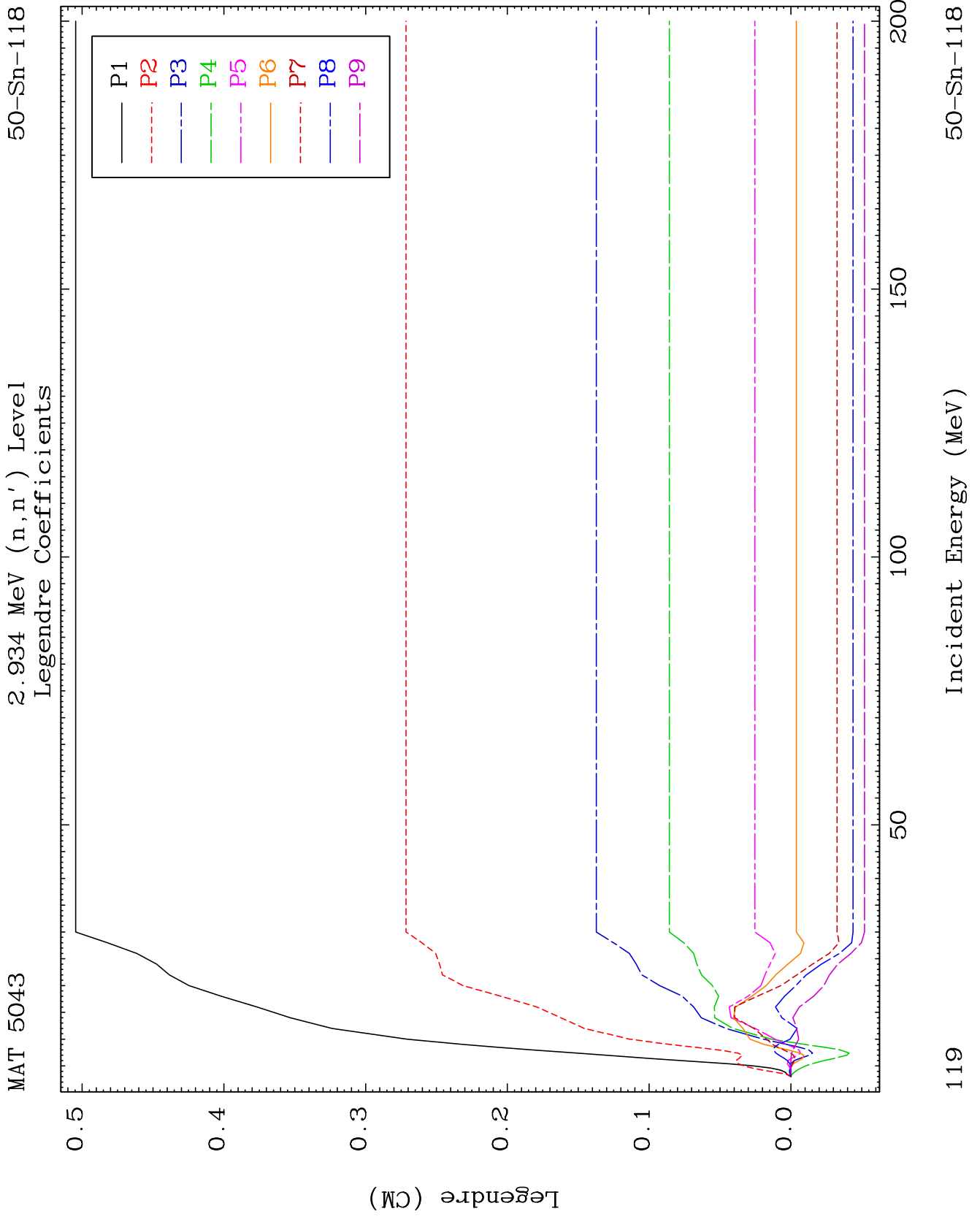


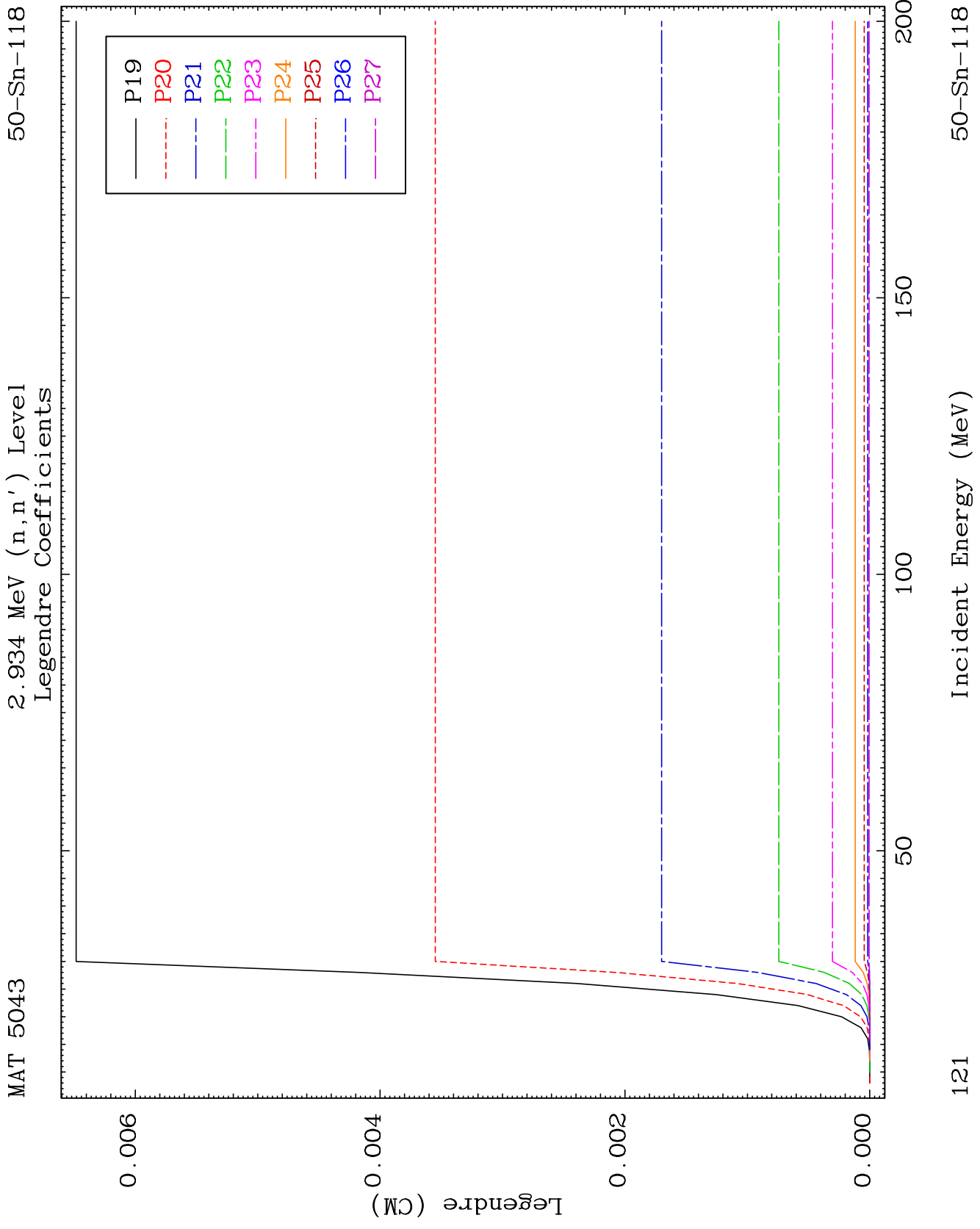


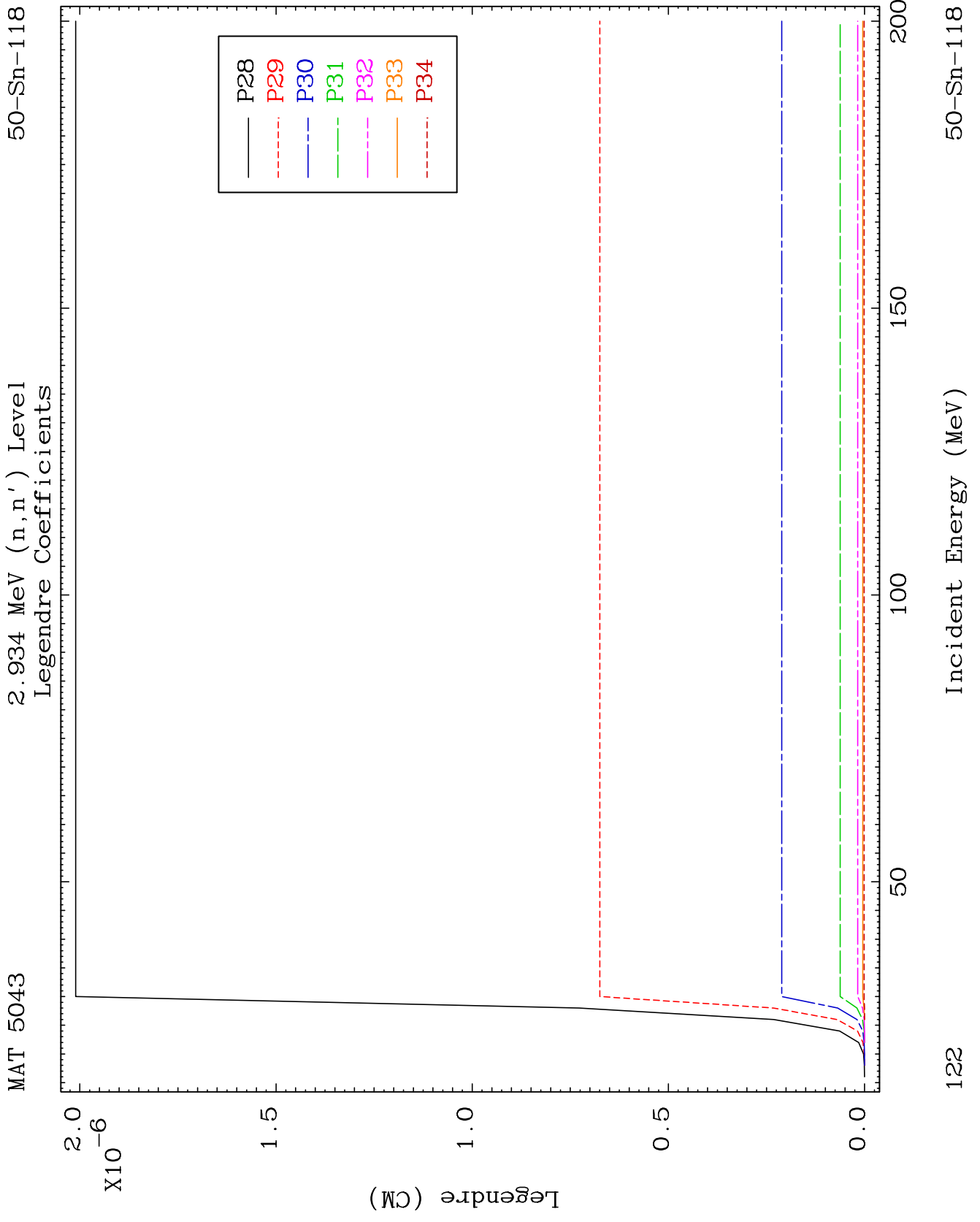


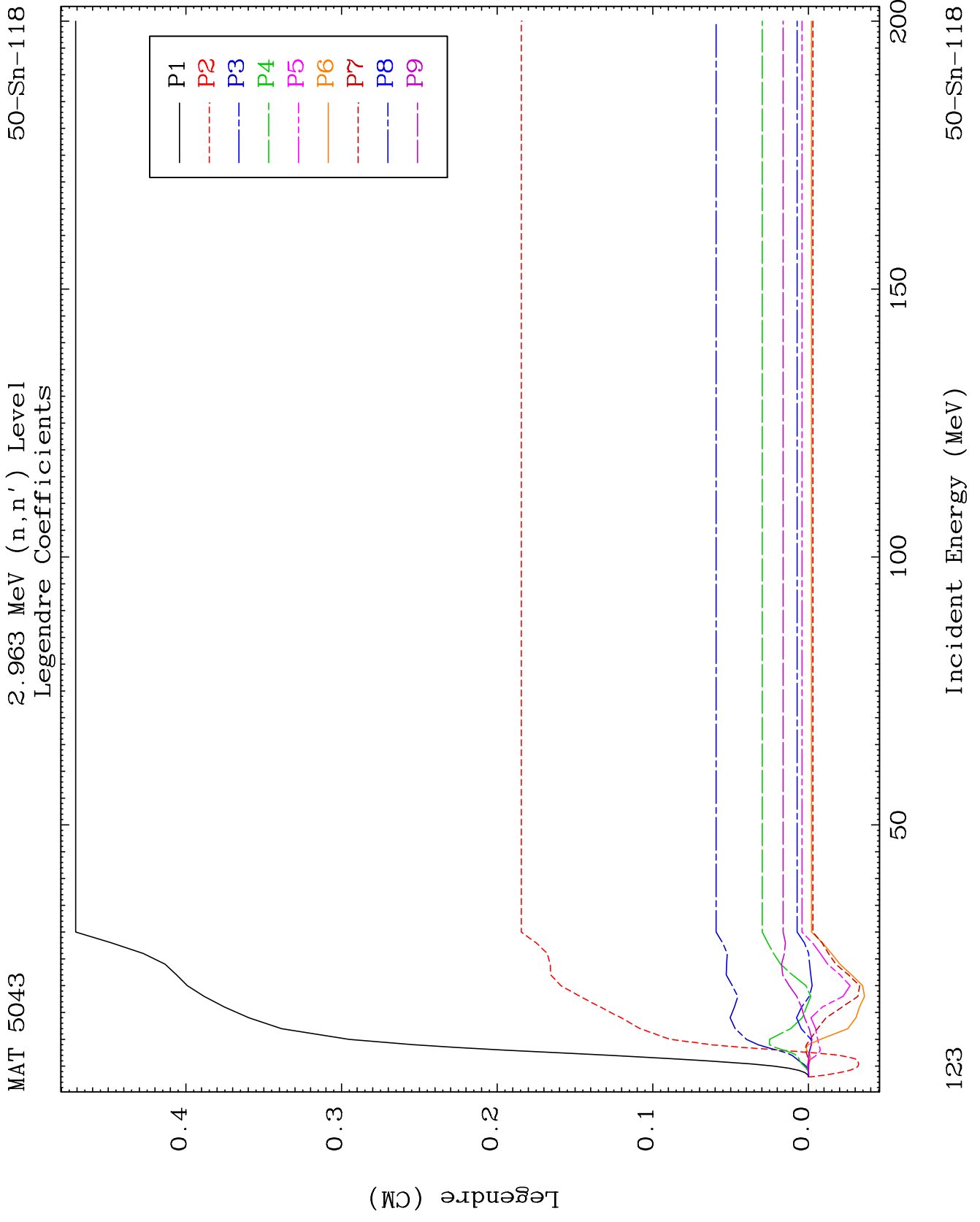








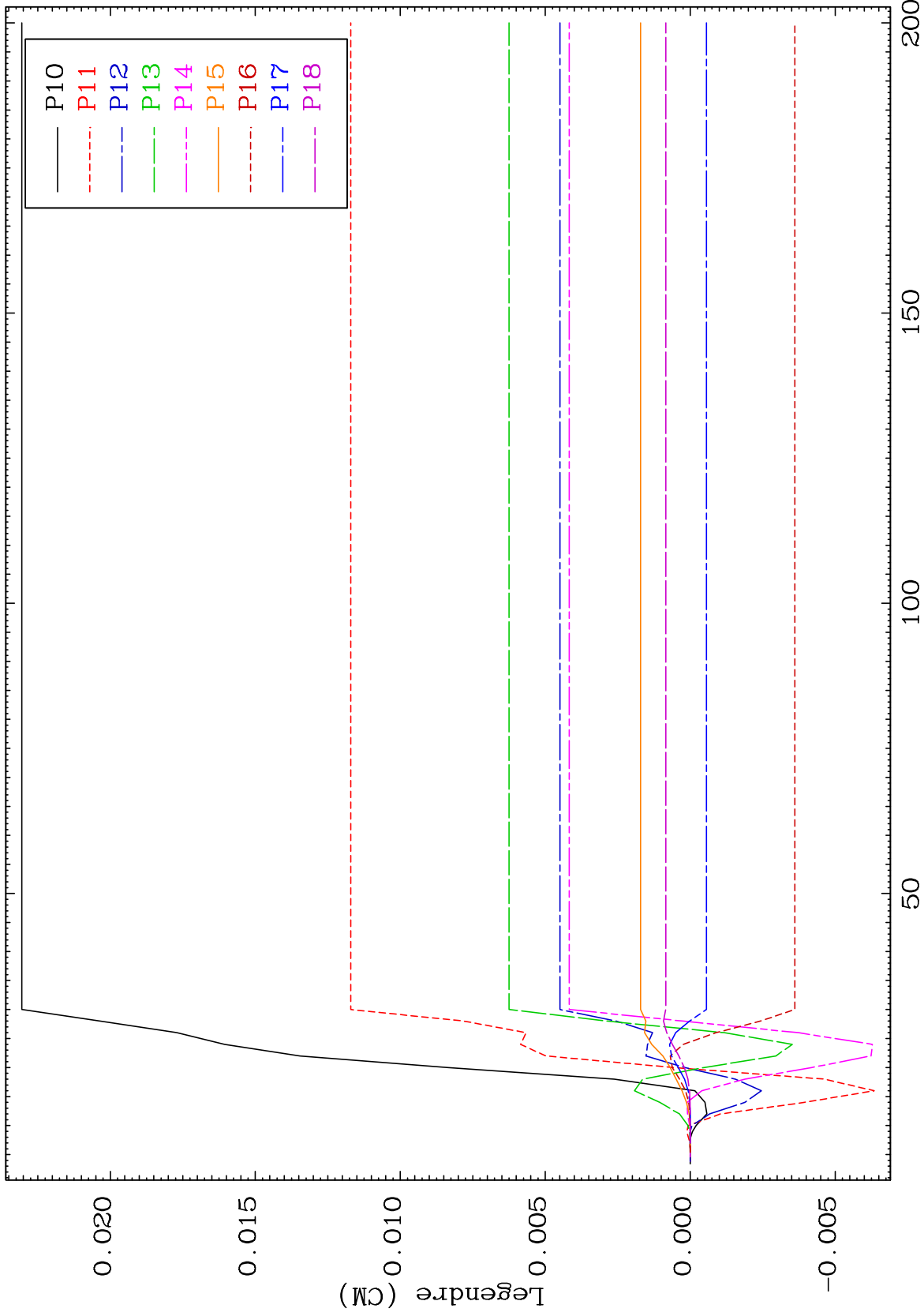




MAT 5043

2.963 MeV (n,n') Level
Legendre Coefficients

50-Sn-118



124

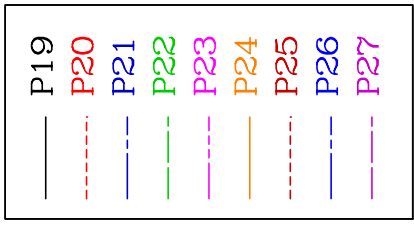
Incident Energy (MeV)

50-Sn-118

MAT 5043

2.963 MeV (n,n') Level
Legendre Coefficients

50-Sn-118



$\times 10^{-3}$

1.5

1.0

0.5

0.0

Legendre (CM)

50

100

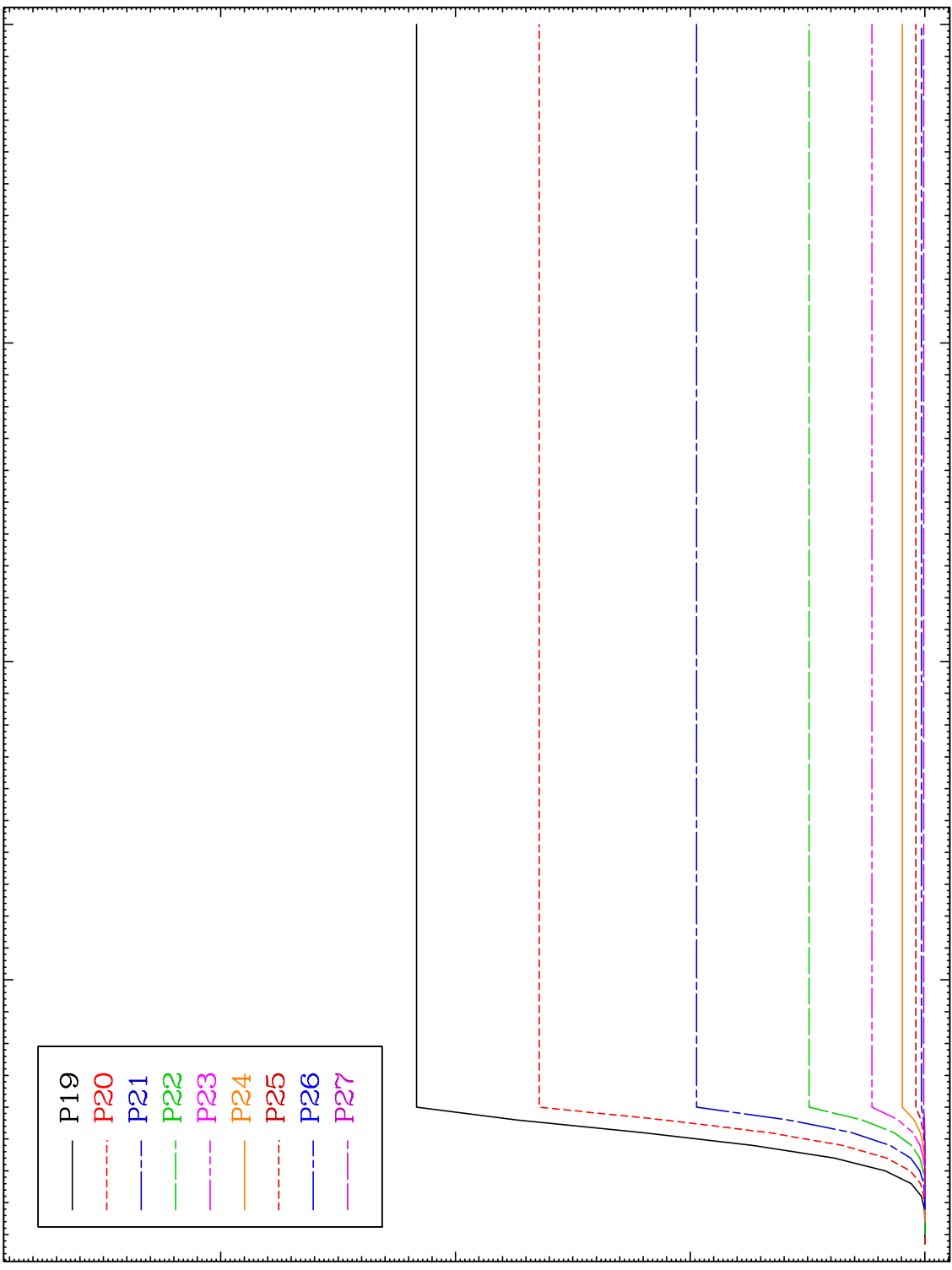
150

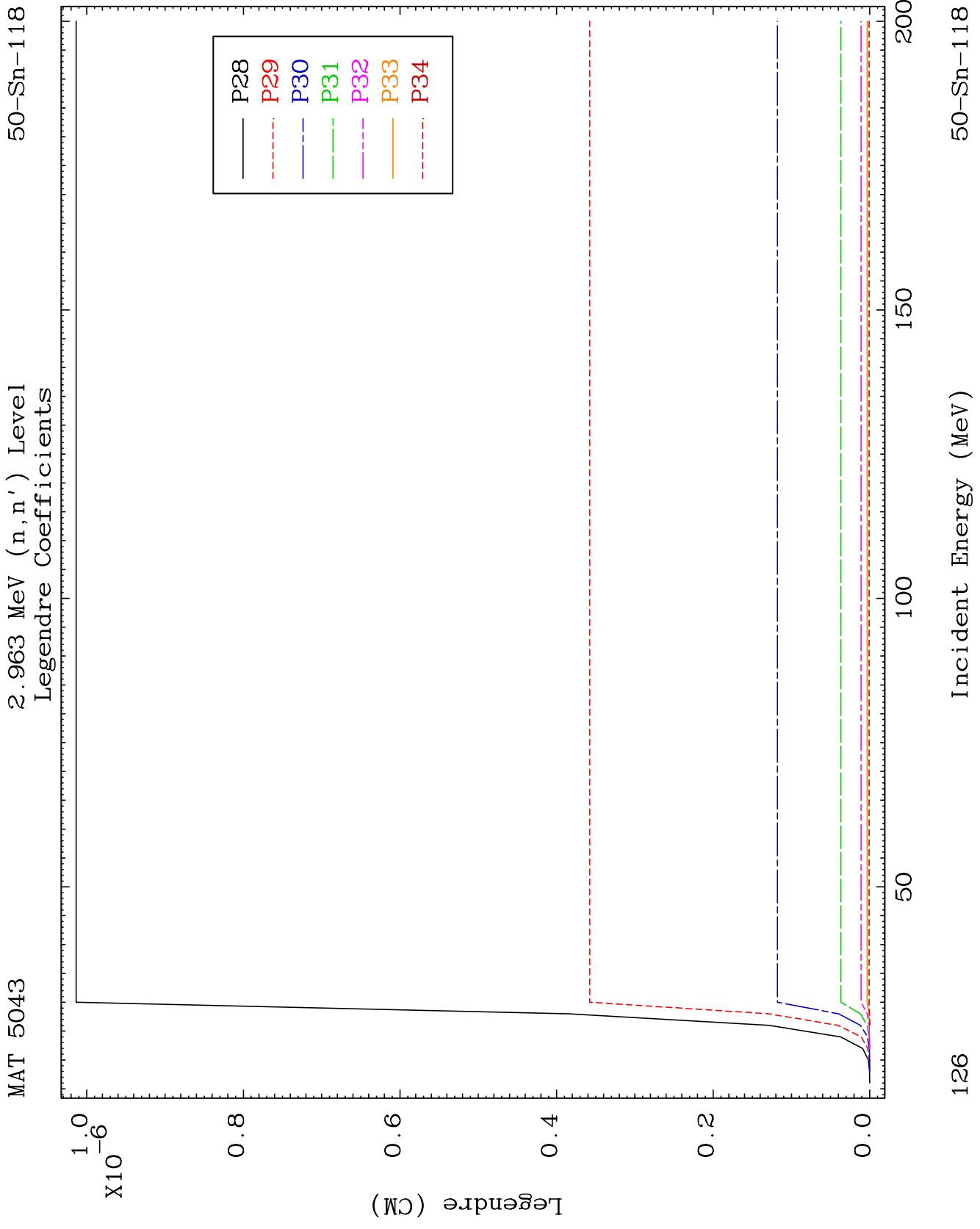
200

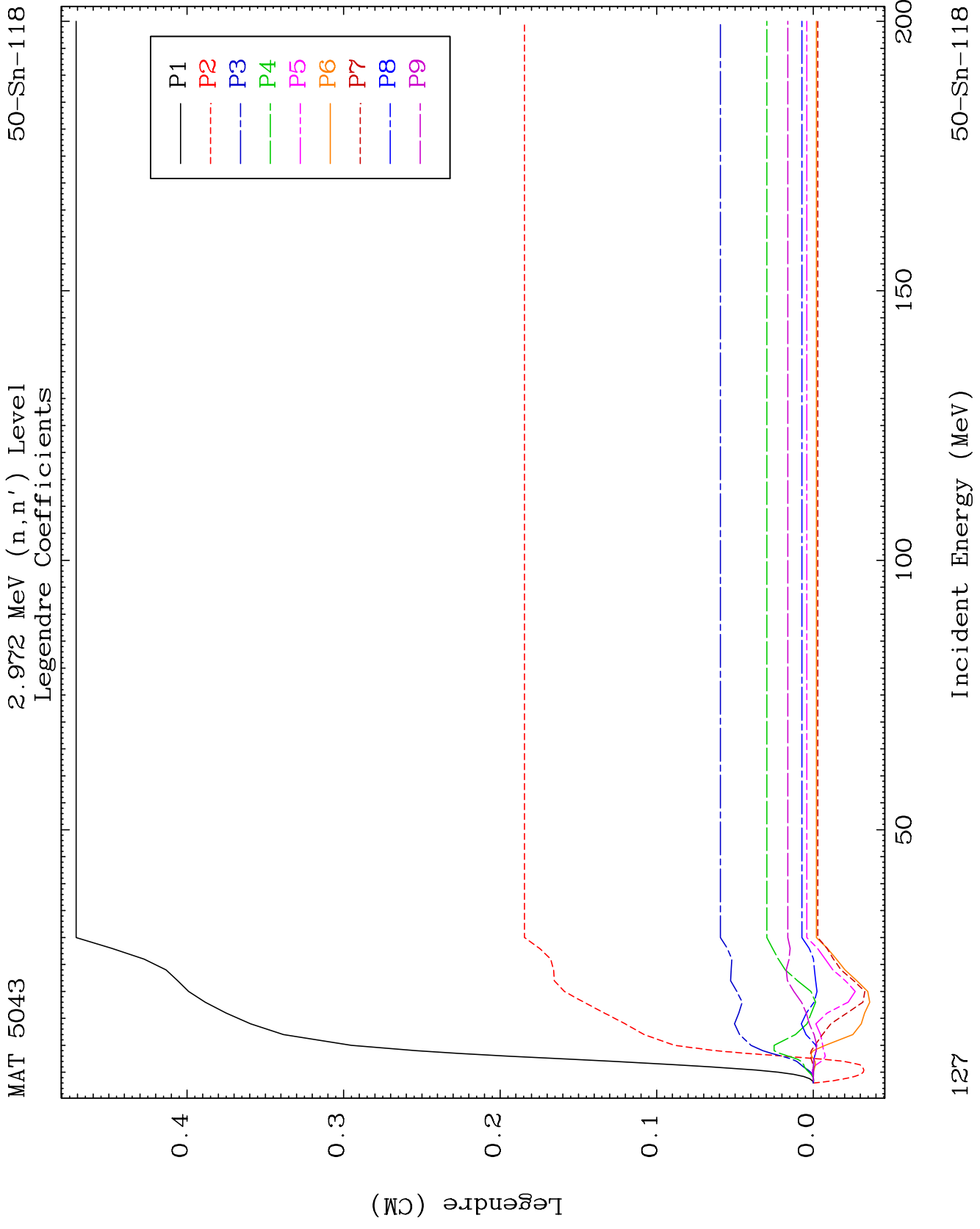
125

Incident Energy (MeV)

50-Sn-118



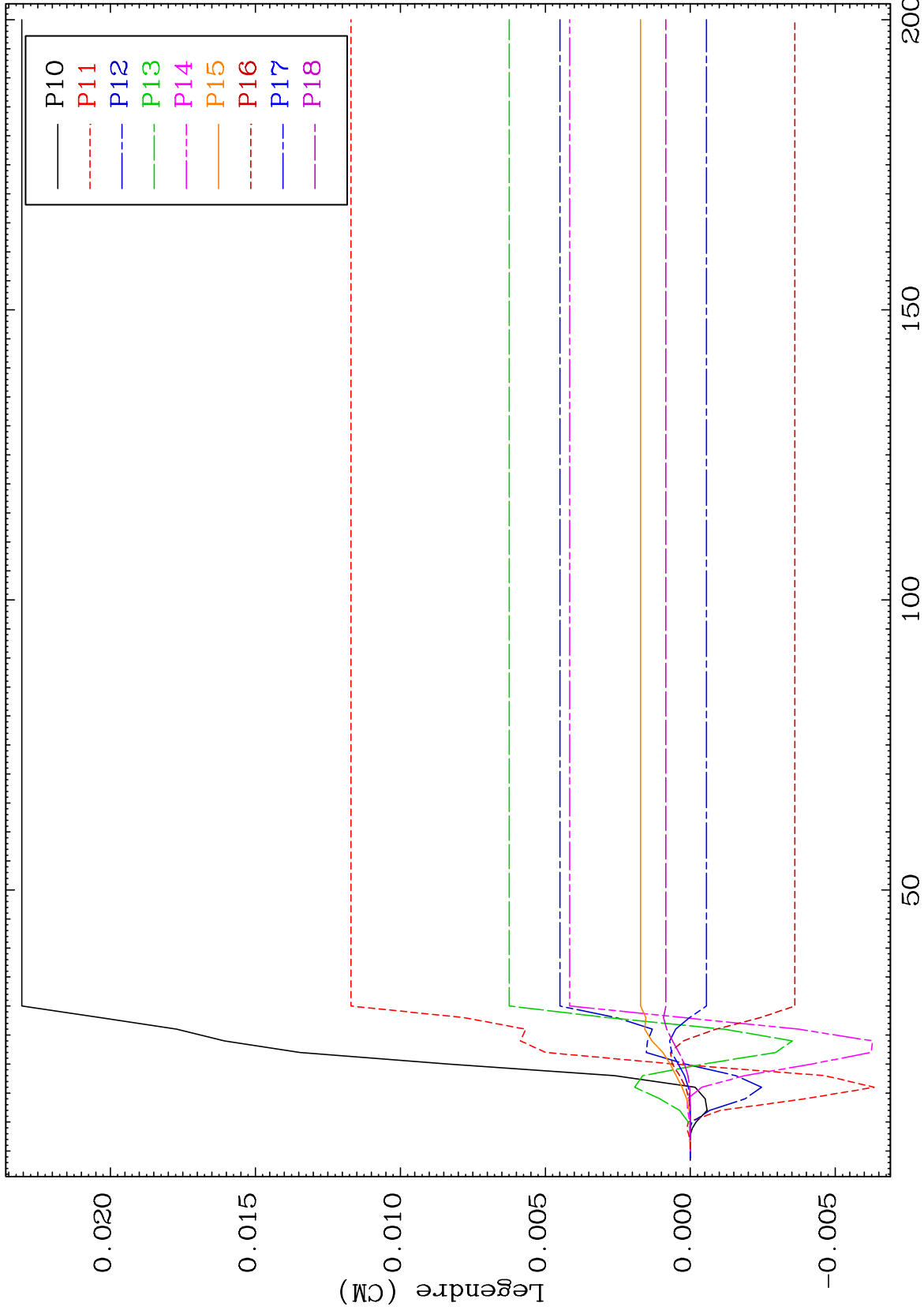




MAT 5043

2.972 MeV (n,n') Level
Legendre Coefficients

50-Sn-118



128

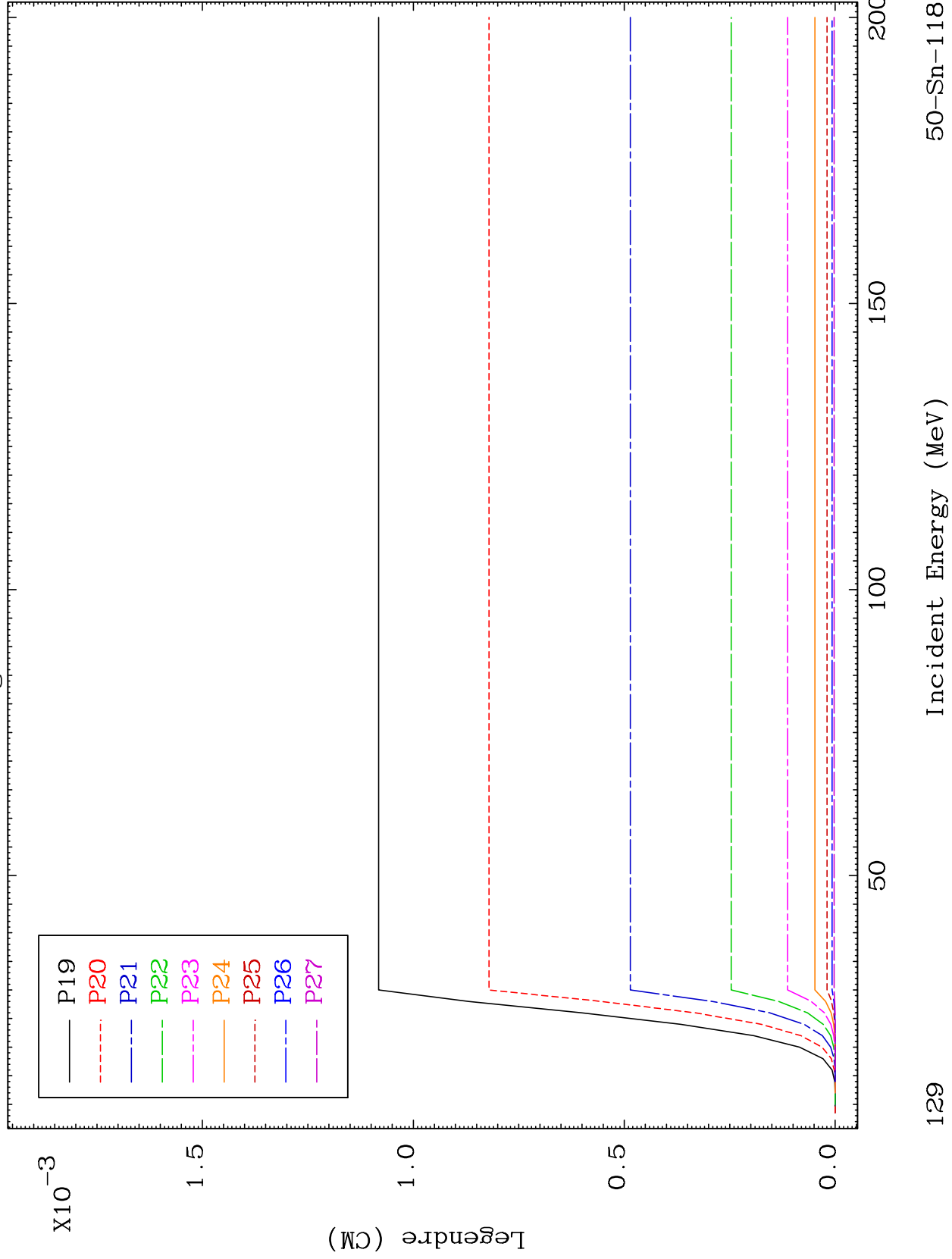
Incident Energy (MeV)

50-Sn-118

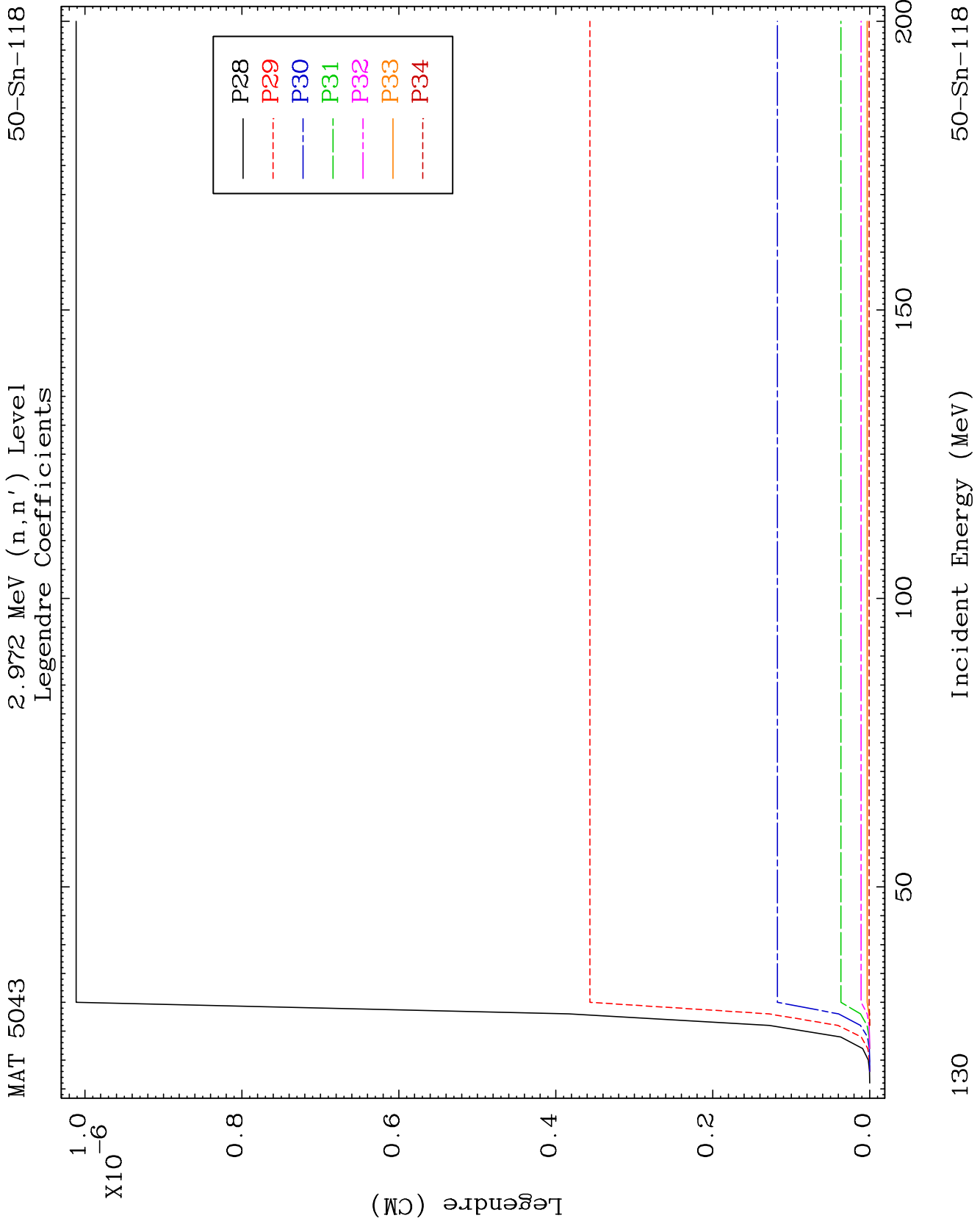
MAT 5043

2.972 MeV (n,n') Level
Legendre Coefficients

50-Sn-118



129

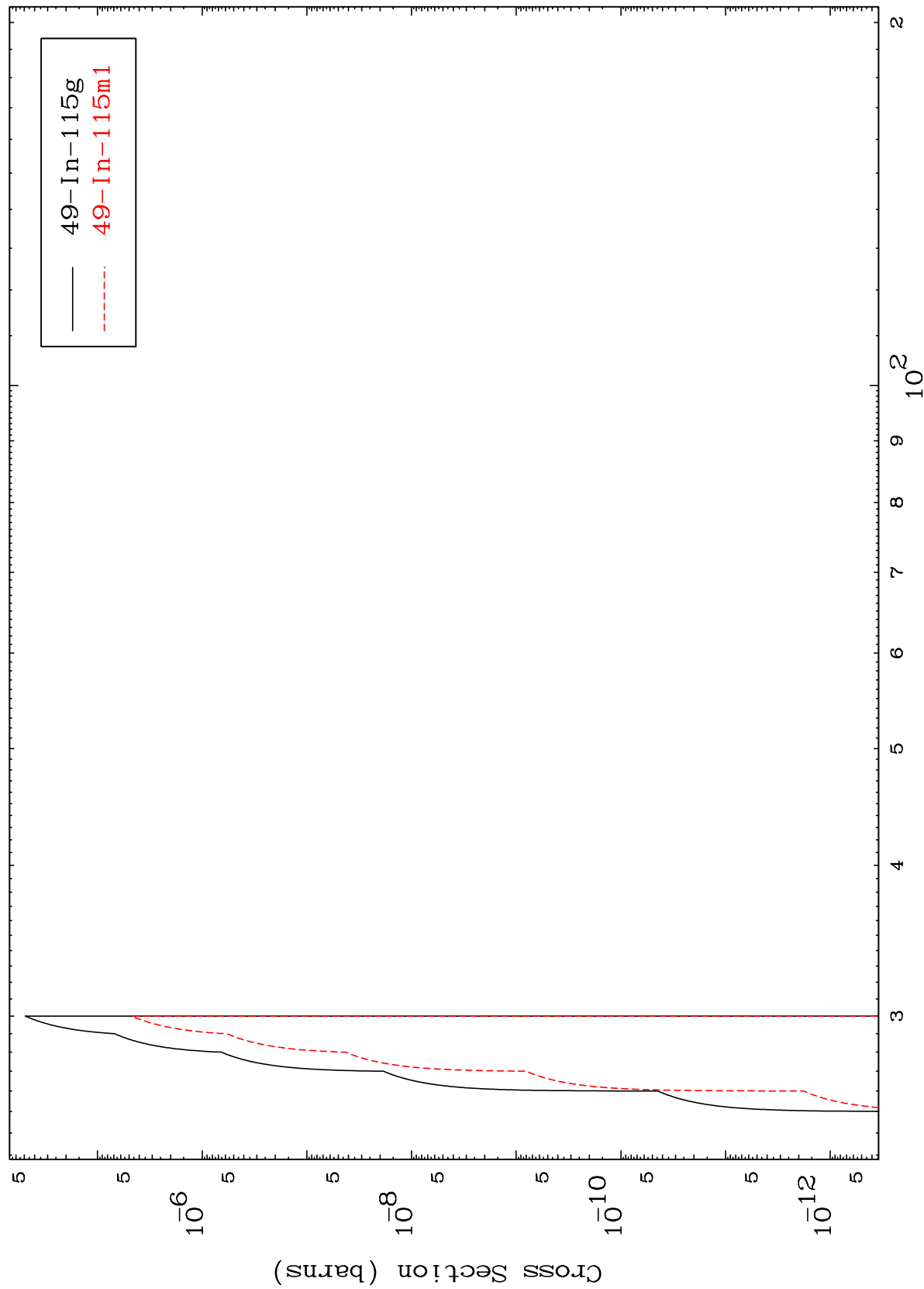


MAT 5043

(n,2n) d

50-Sn-118

Radionuclide Production Cross Section



131

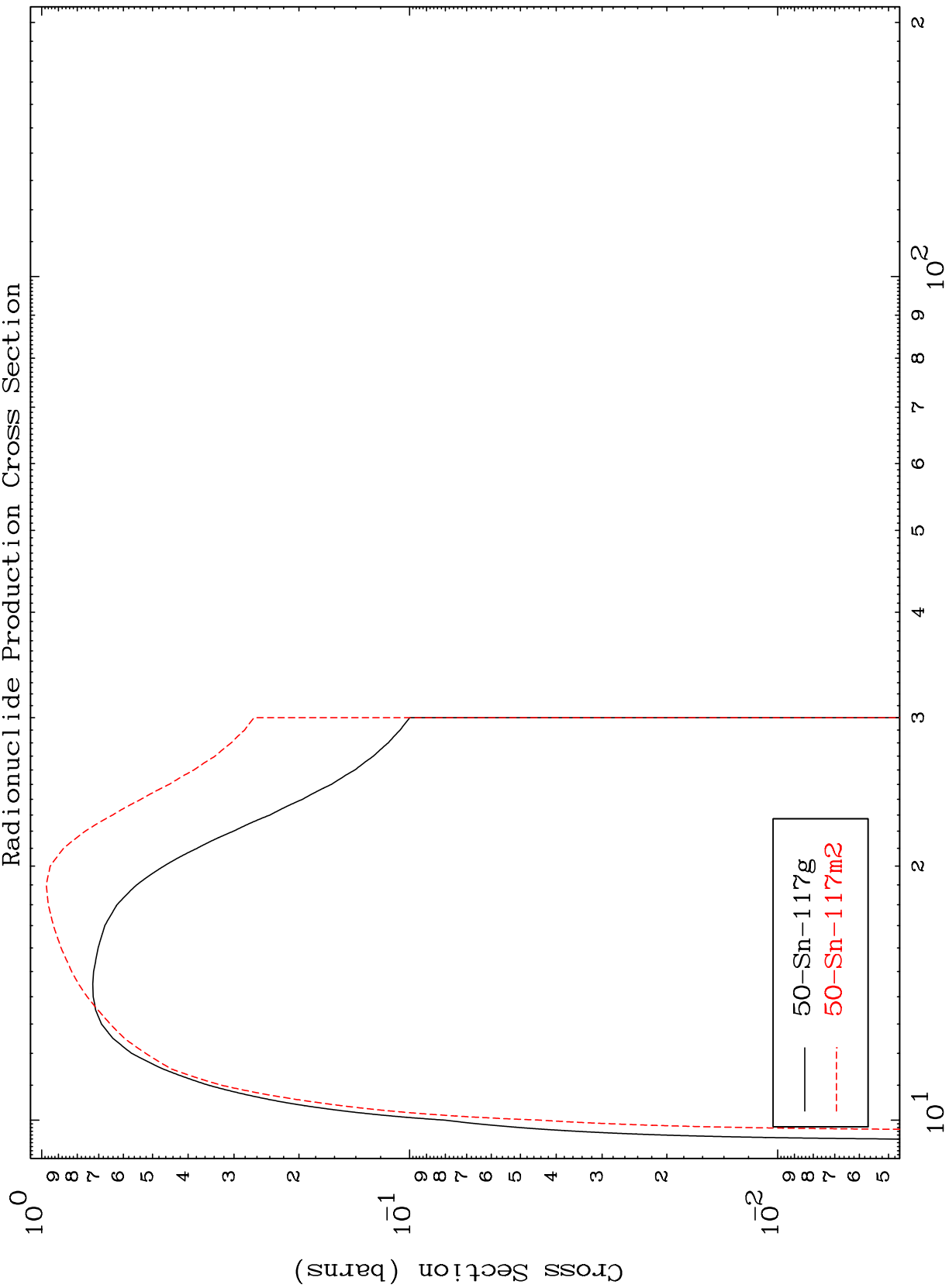
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

(n,2n)
Radionuclide Production Cross Section



50-Sn-118

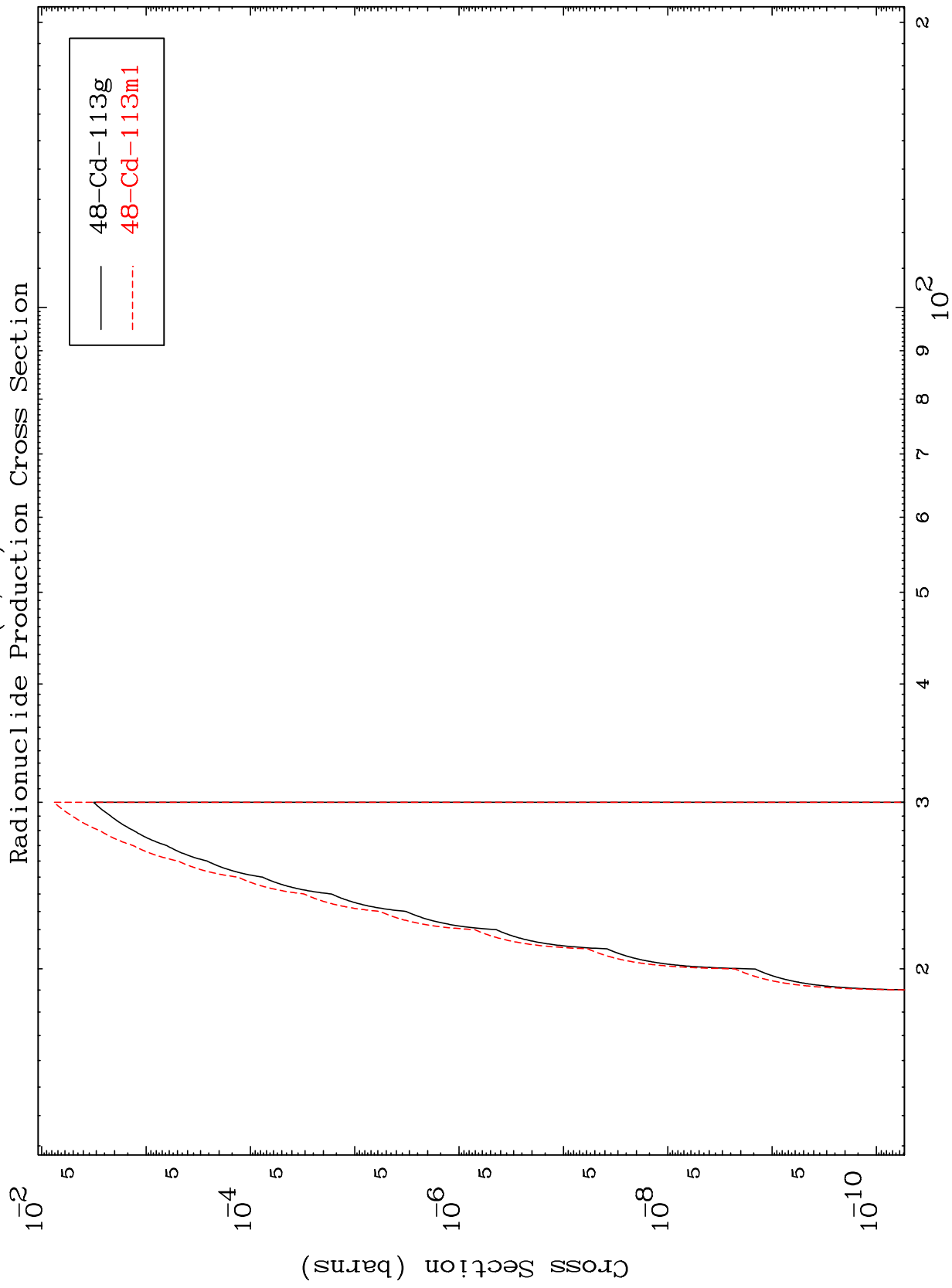
Incident Energy (MeV)

132

MAT 5043

(n,2n) α

50-Sn-118



133

Incident Energy (MeV)

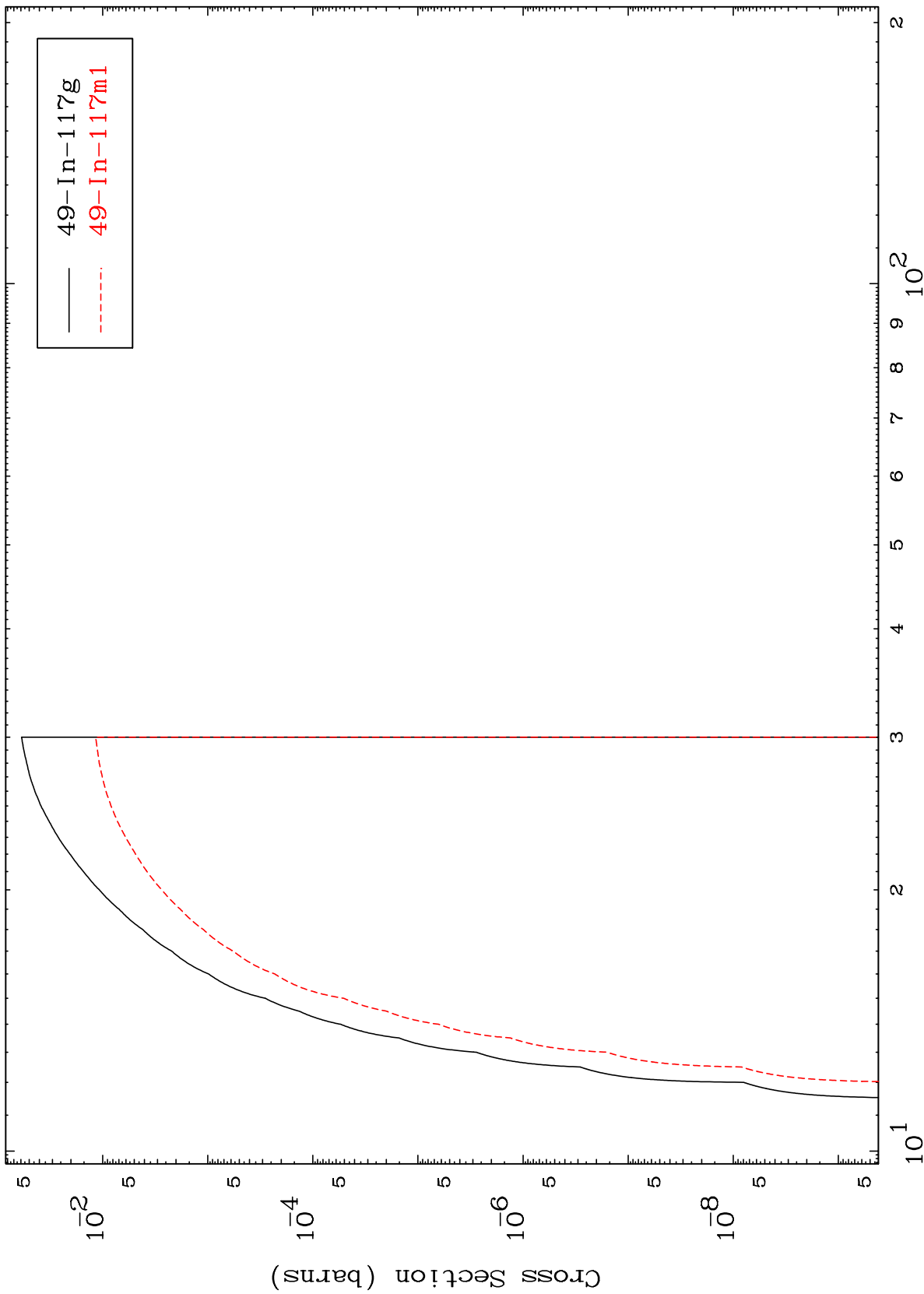
50-Sn-118

MAT 5043

(n,n') p

50-Sn-118

Radionuclide Production Cross Section



Incident Energy (MeV)

50-Sn-118

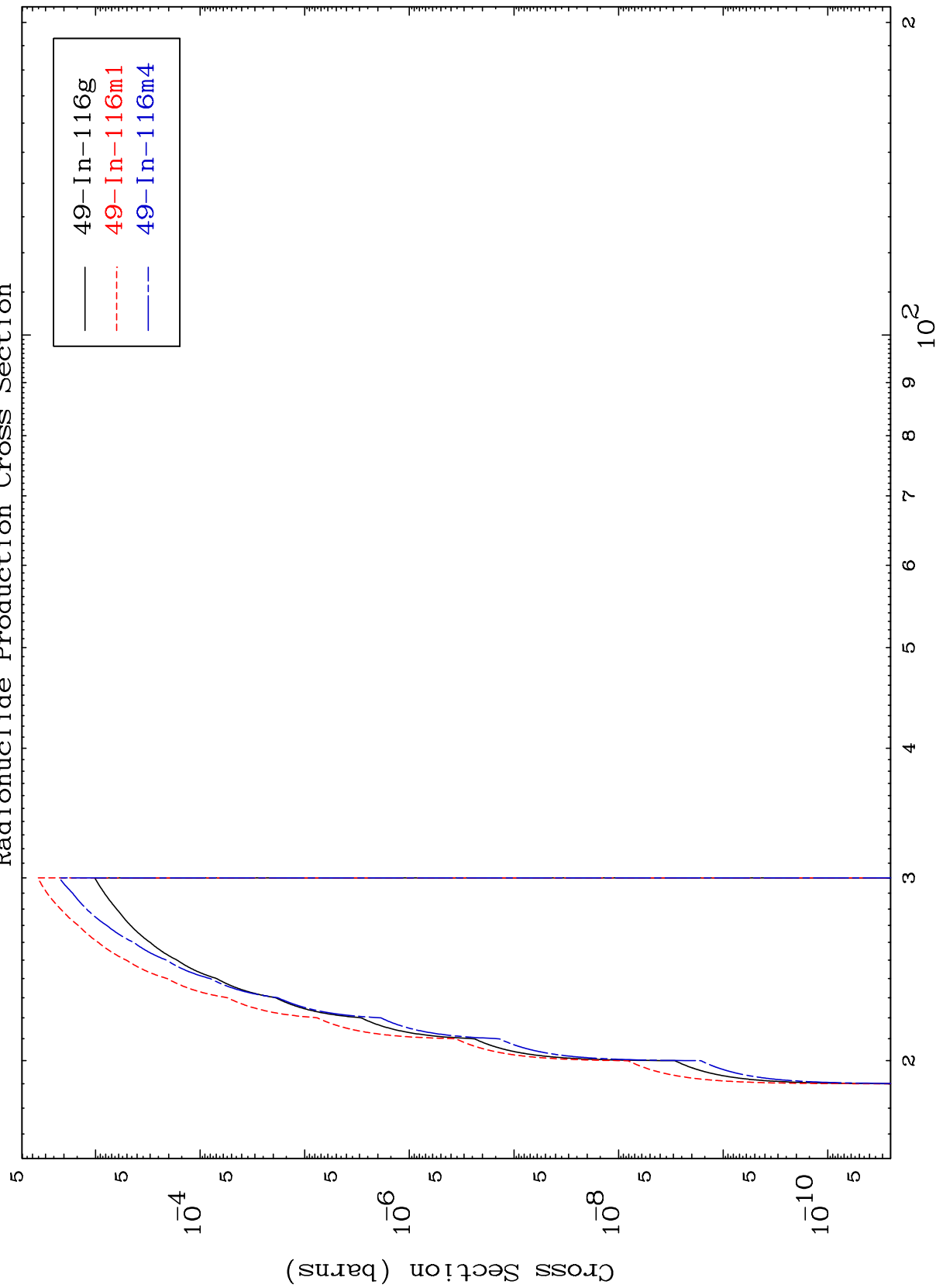
134

MAT 5043

(n,n') d

50-Sn-118

Radionuclide Production Cross Section

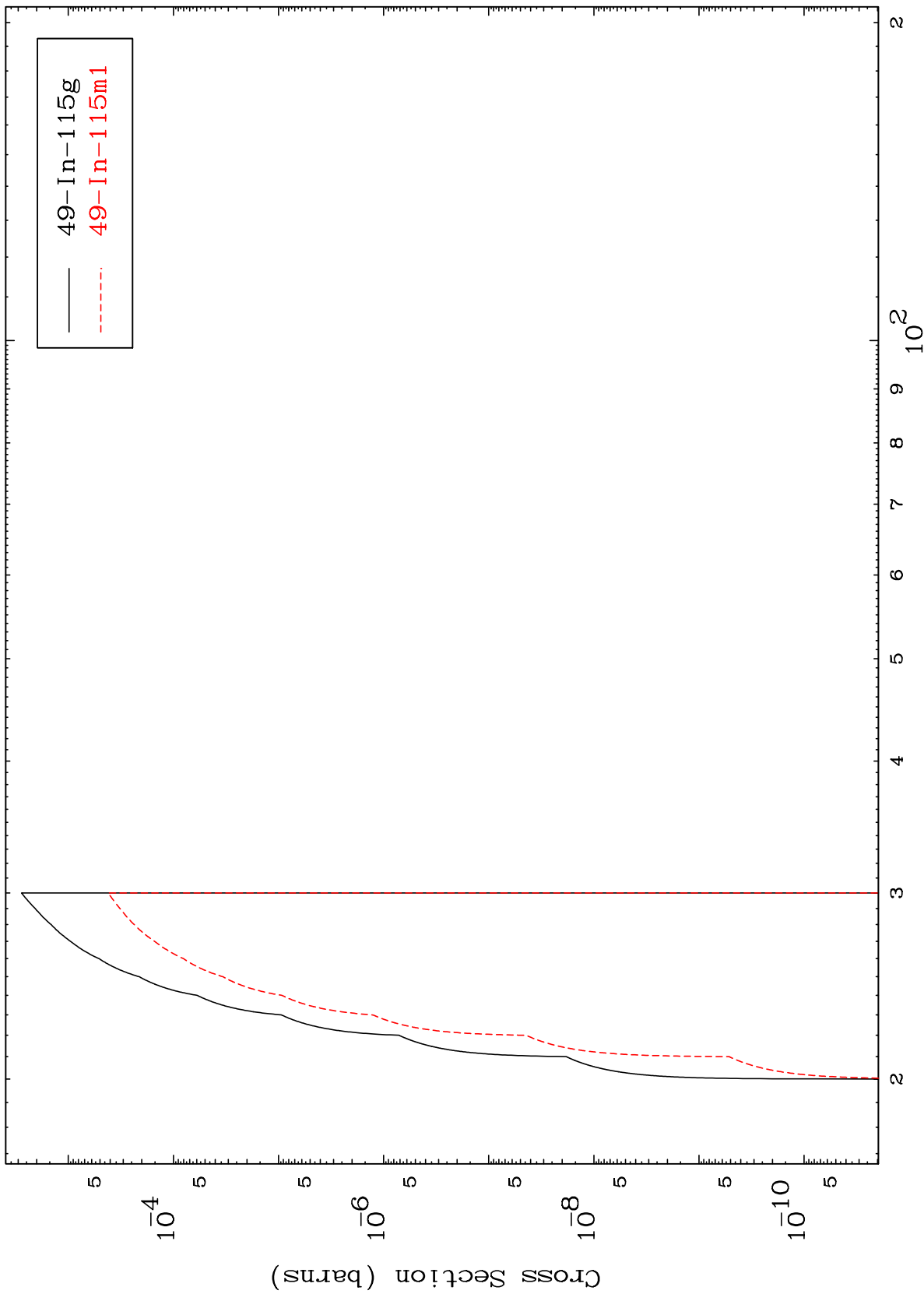


135

Incident Energy (MeV)

50-Sn-118

Radionuclide Production Cross Section

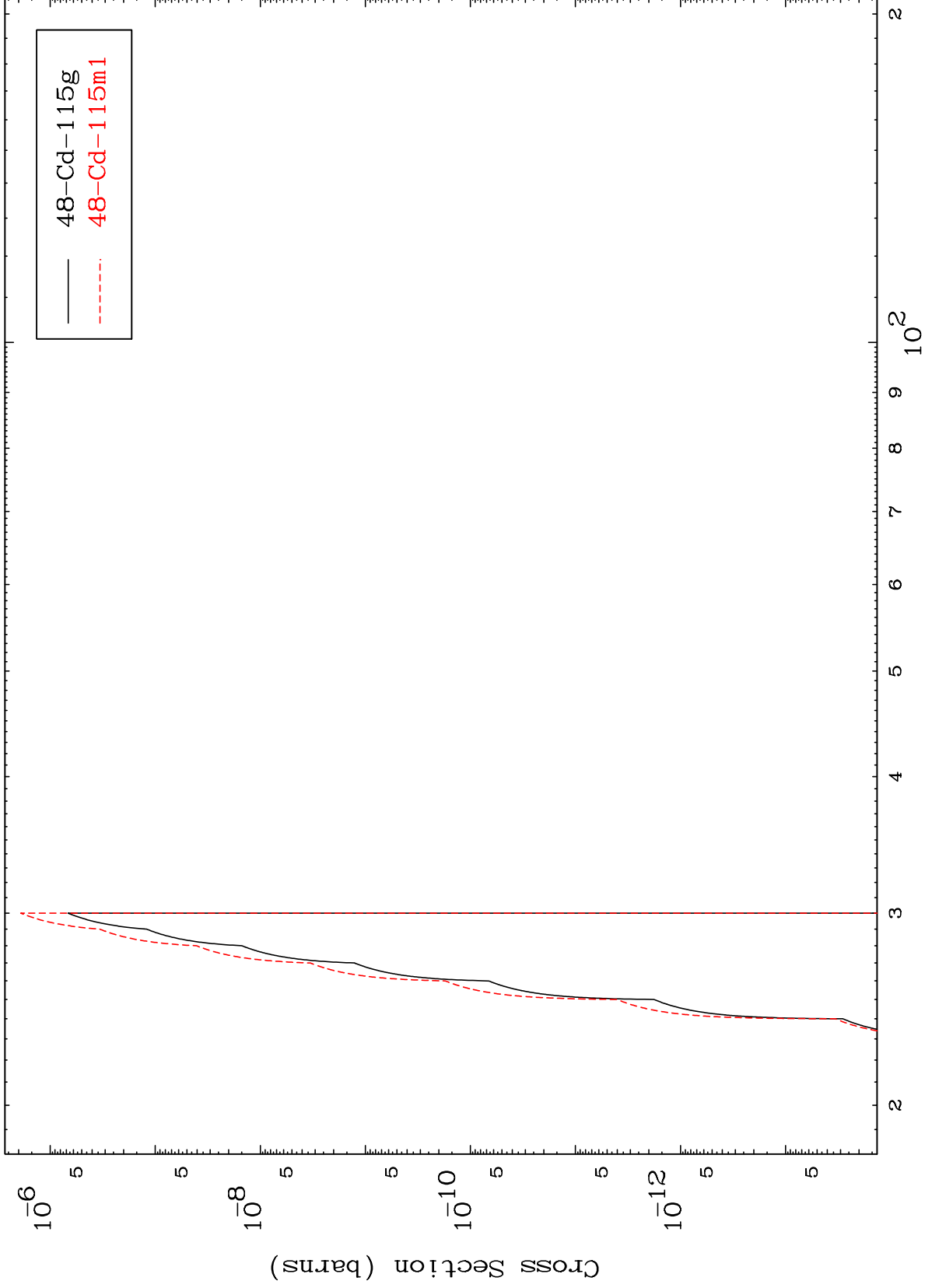


MAT 5043

(n,n') He-3

50-Sn-118

Radionuclide Production Cross Section



137

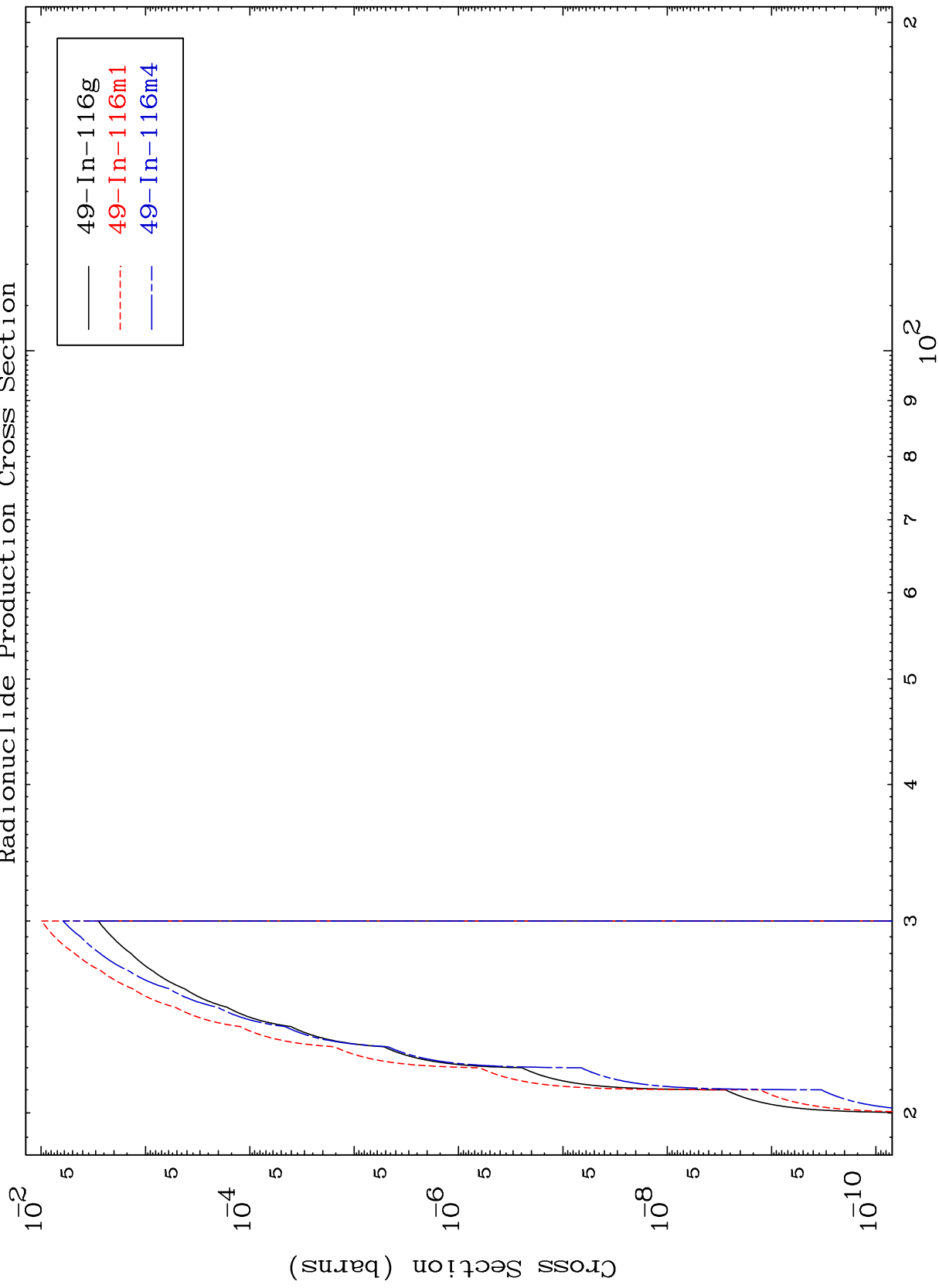
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

(n,2n) p
Radionuclide Production Cross Section

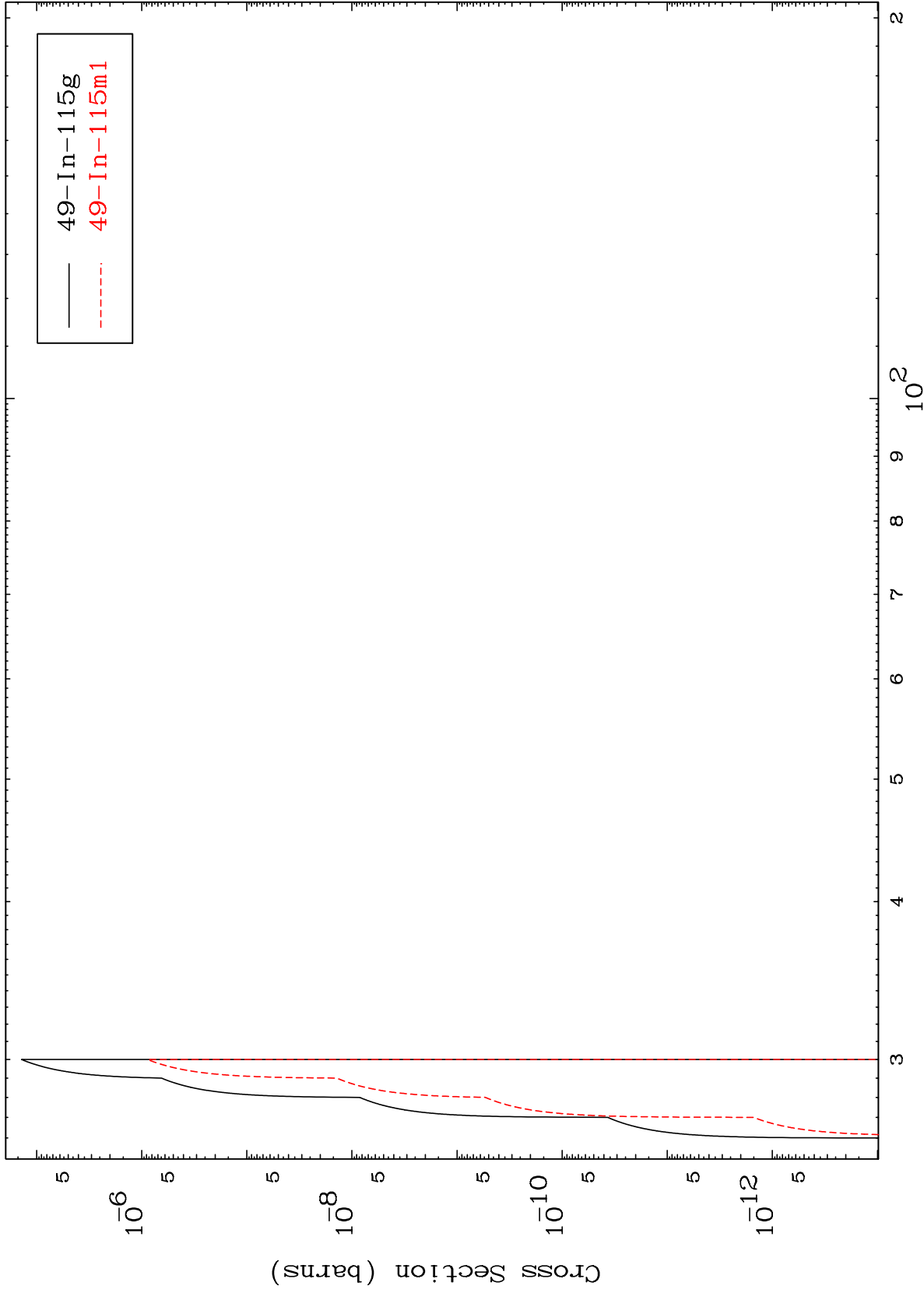


50-Sn-118

Incident Energy (MeV)

138

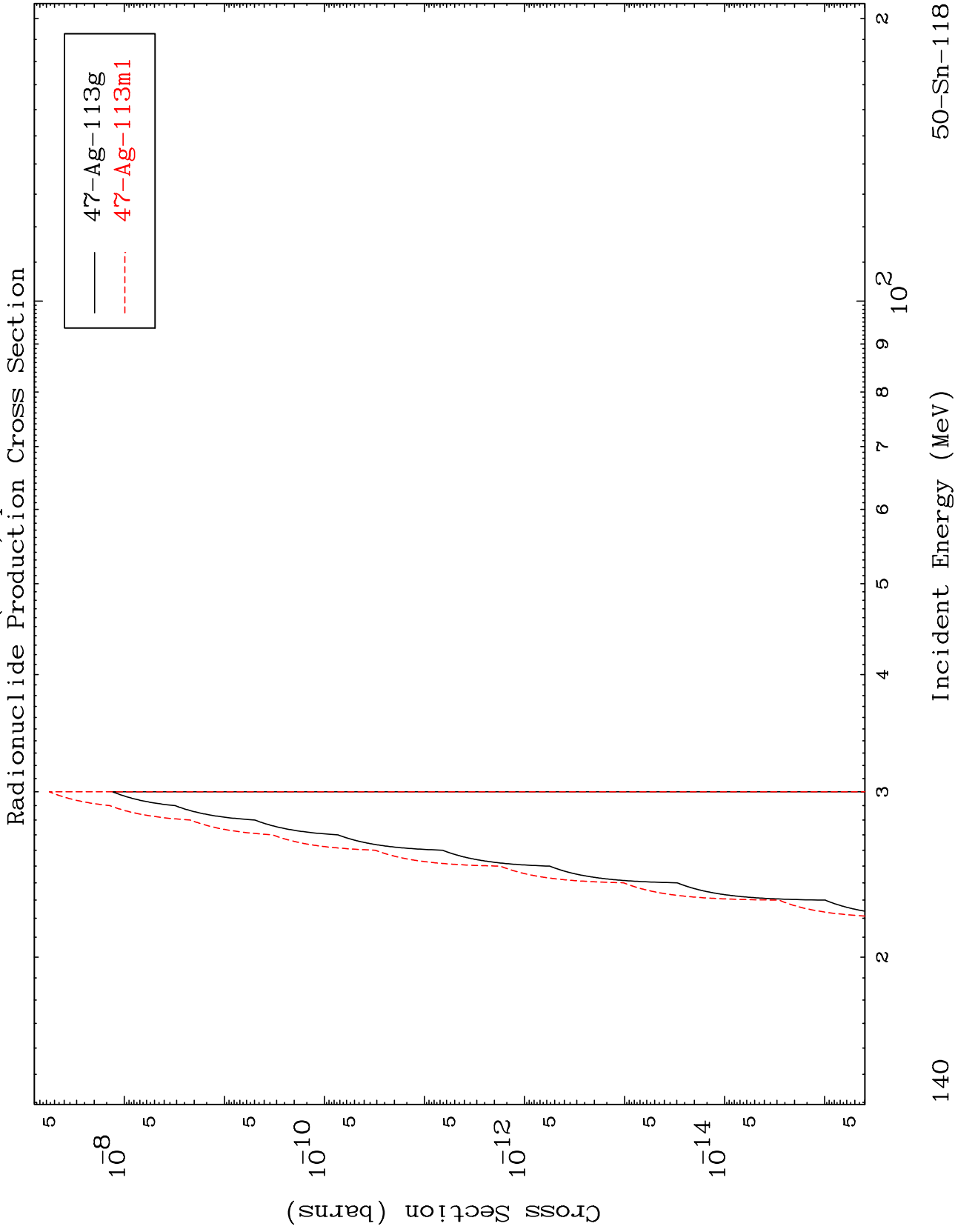
Radionuclide Production Cross Section



MAT 5043

(n,n') p α

50-Sn-118

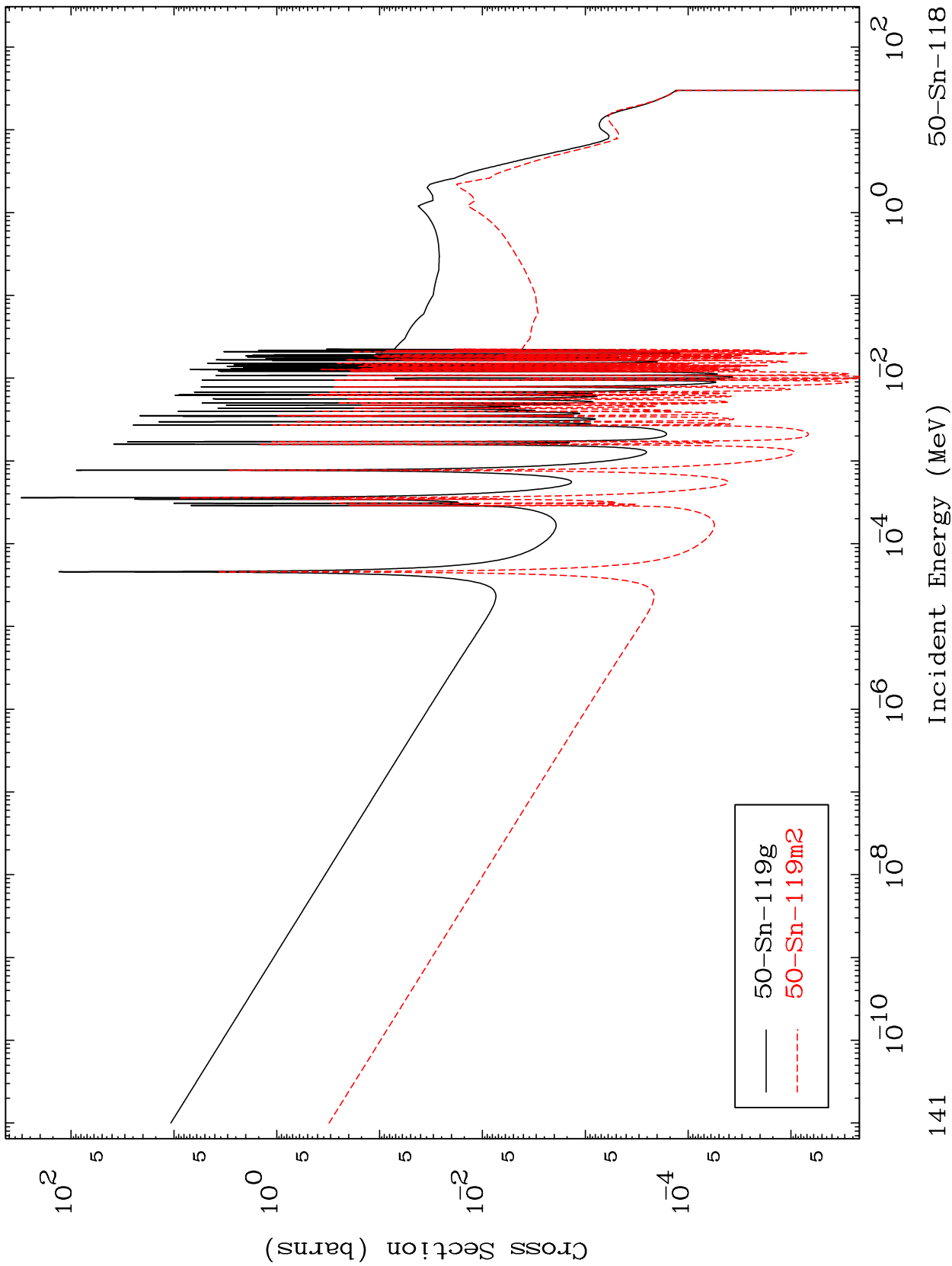


140

MAT 5043

50-Sn-118

(n, γ)
Radionuclide Production Cross Section



50-Sn-118

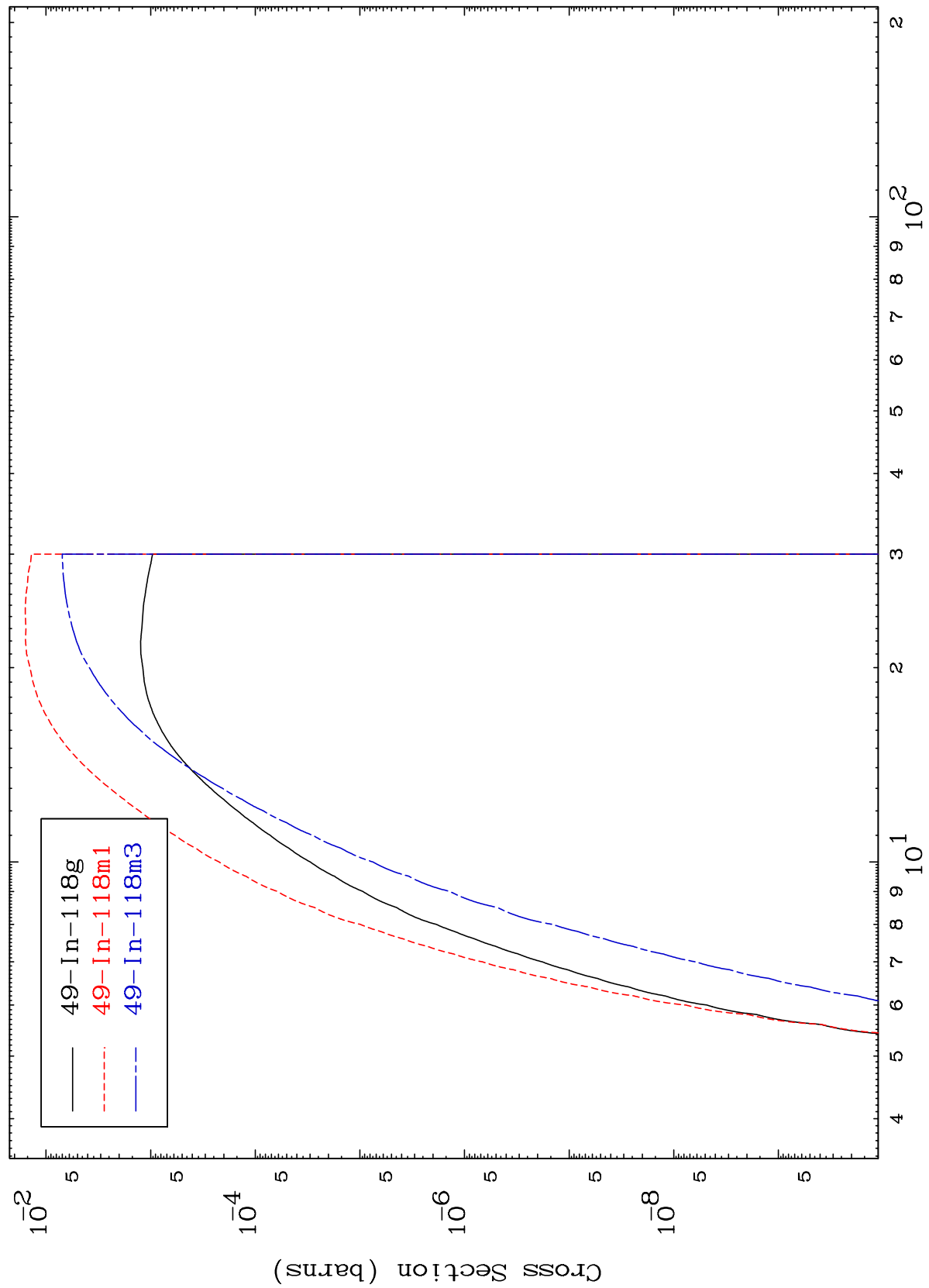
Incident Energy (MeV)

141

MAT 5043

50-Sn-118

(n,p)
Radionuclide Production Cross Section



50-Sn-118

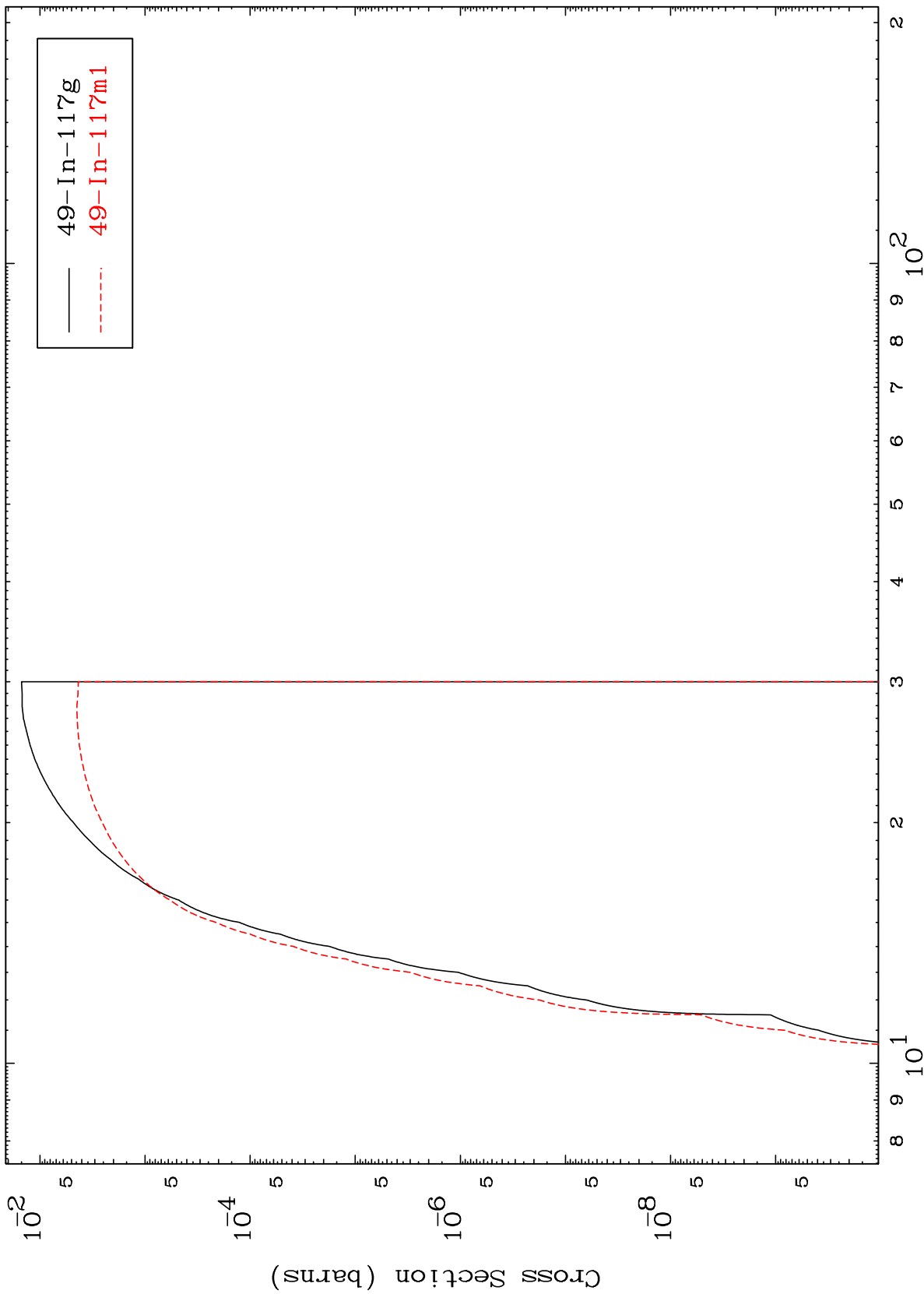
Incident Energy (MeV)

142

MAT 5043

50-Sn-118

(n,d)
Radionuclide Production Cross Section



50-Sn-118

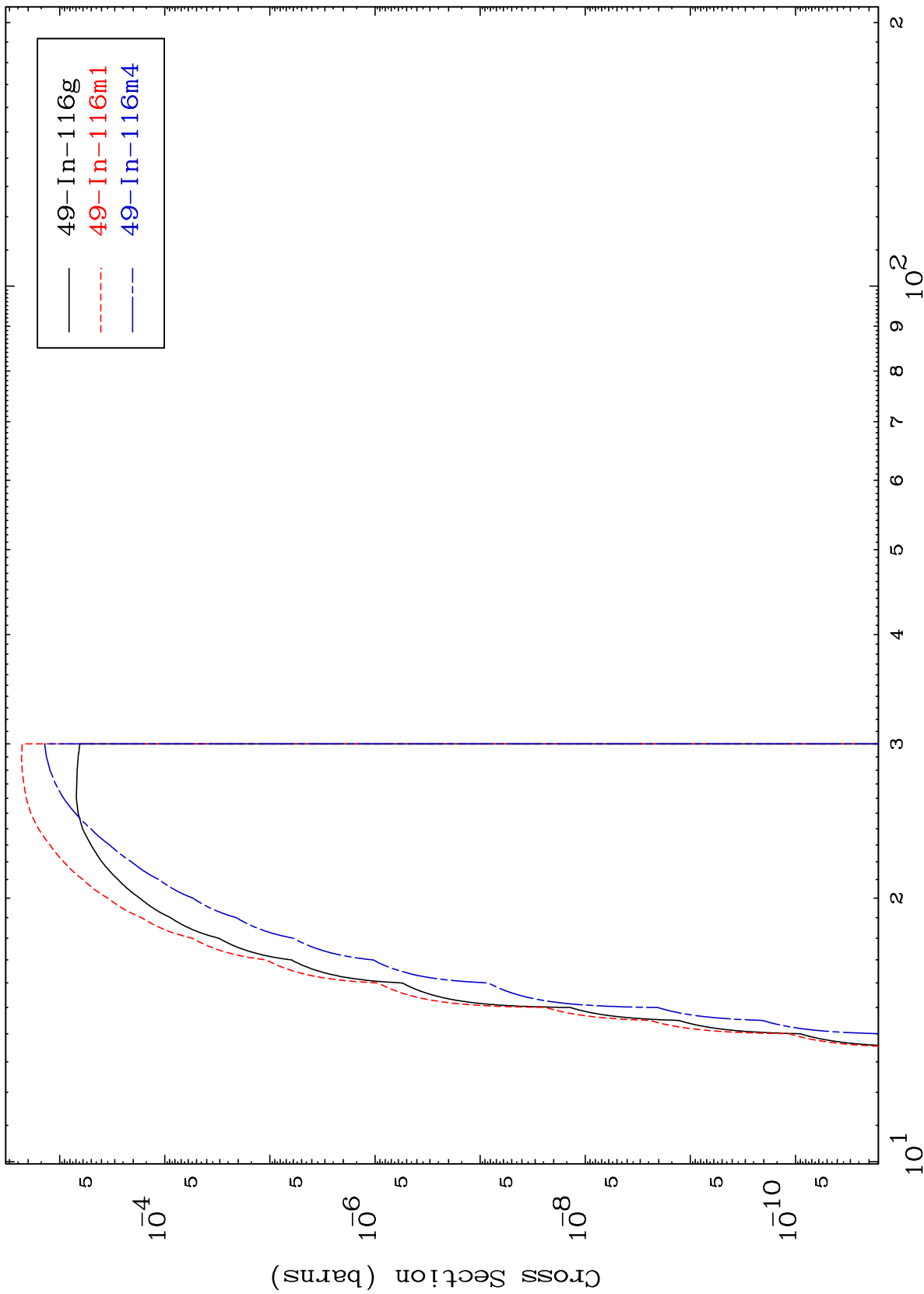
Incident Energy (MeV)

143

MAT 5043

50-Sn-118

(n,t)
Radionuclide Production Cross Section



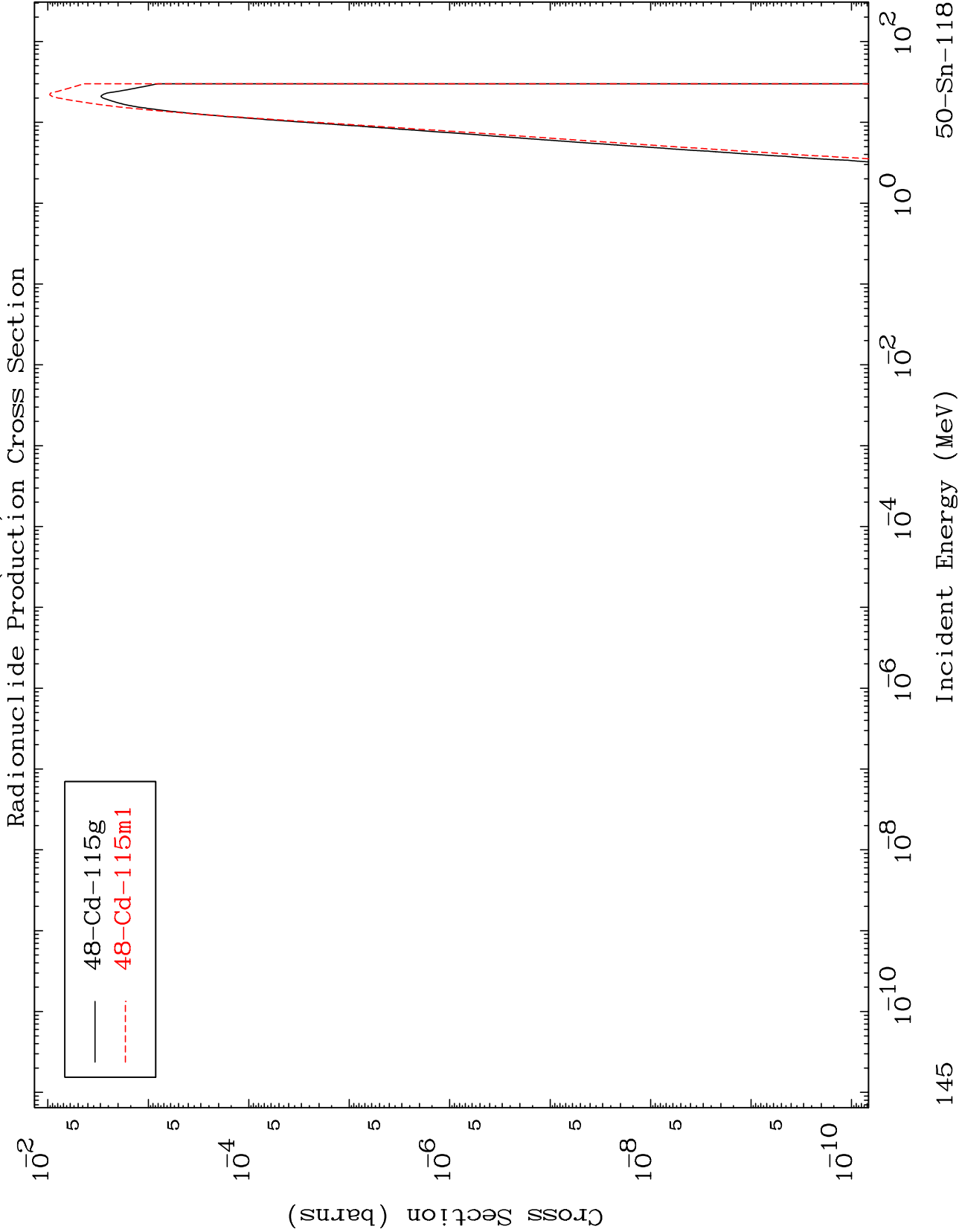
50-Sn-118

Incident Energy (MeV)

144

MAT 5043

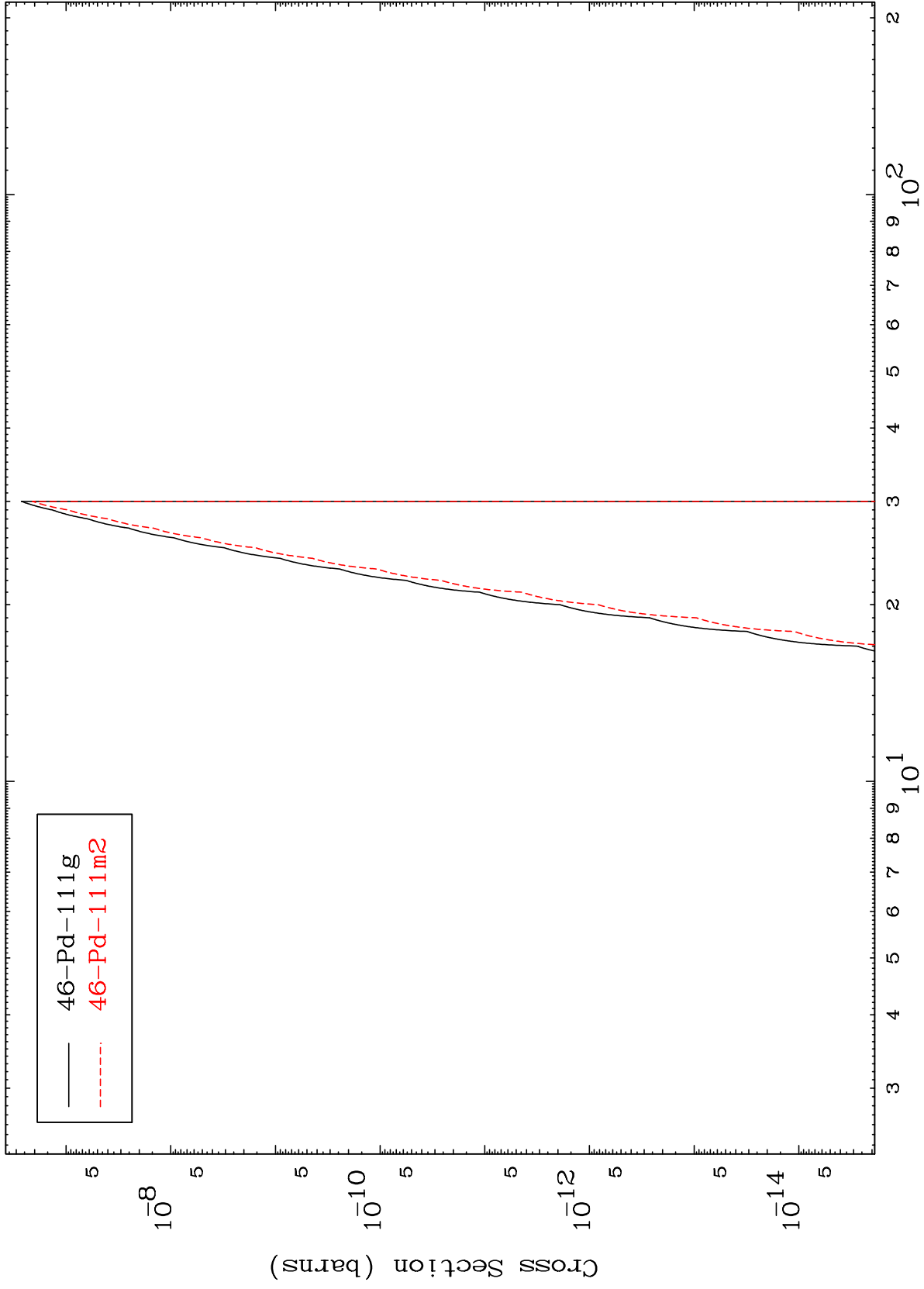
50-Sn-118



MAT 5043

50-Sn-118

Radionuclide Production Cross Section
(n,2α)



146

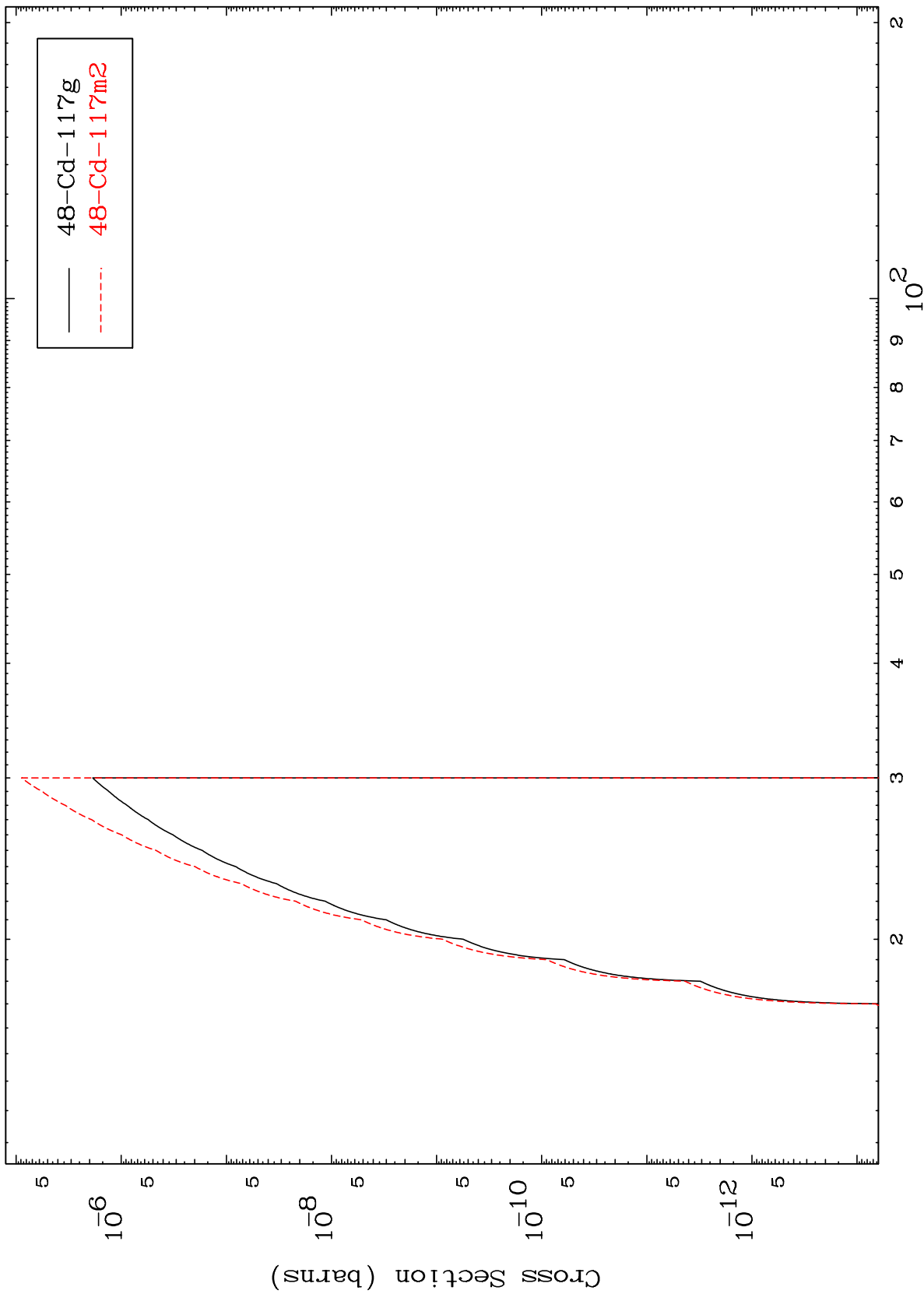
50-Sn-118

Incident Energy (MeV)

MAT 5043

50-Sn-118

(n,2p)
Radionuclide Production Cross Section



147

Incident Energy (MeV)

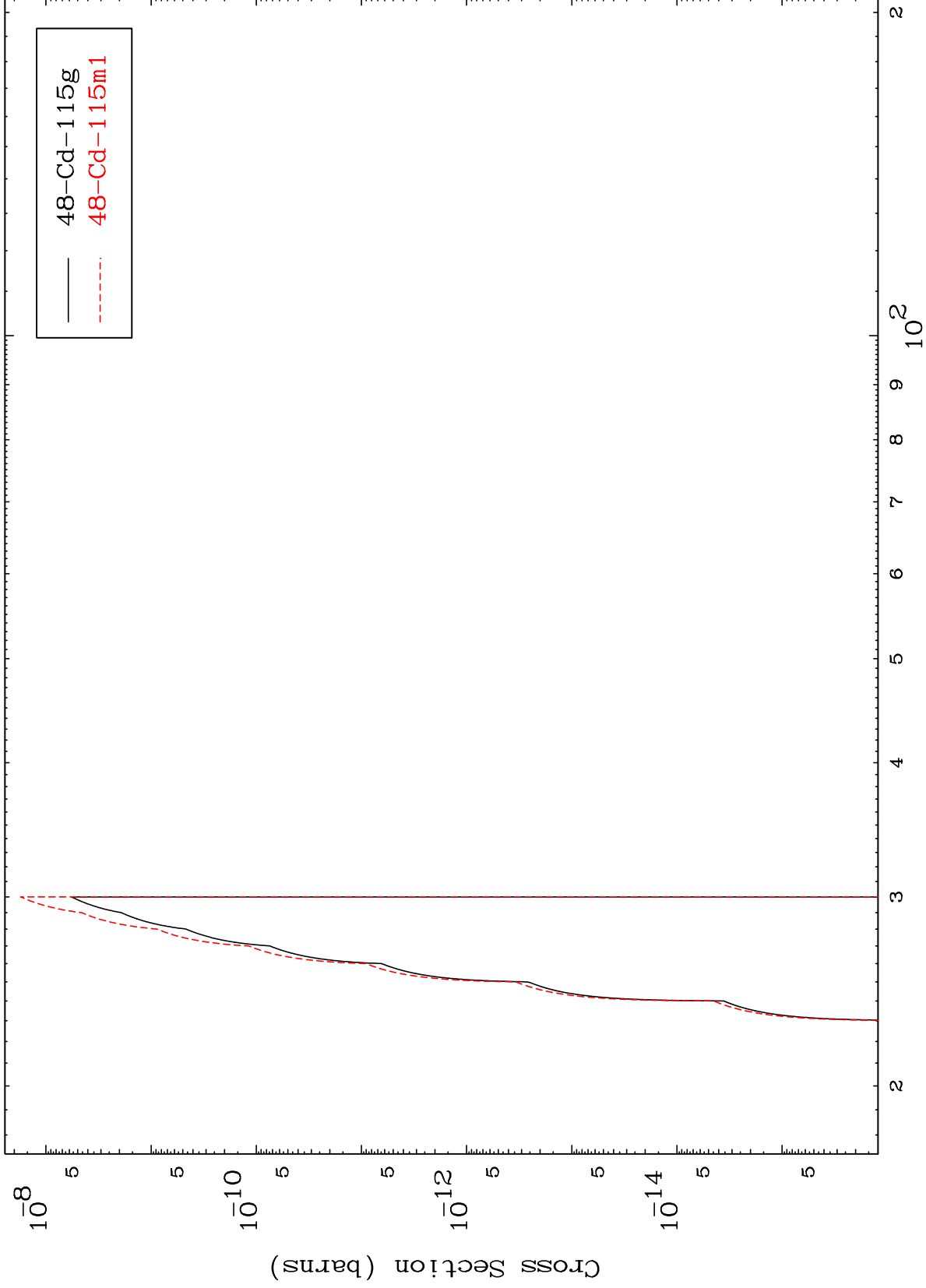
50-Sn-118

MAT 5043

(n,p) t

50-Sn-118

Radionuclide Production Cross Section



148

Incident Energy (MeV)

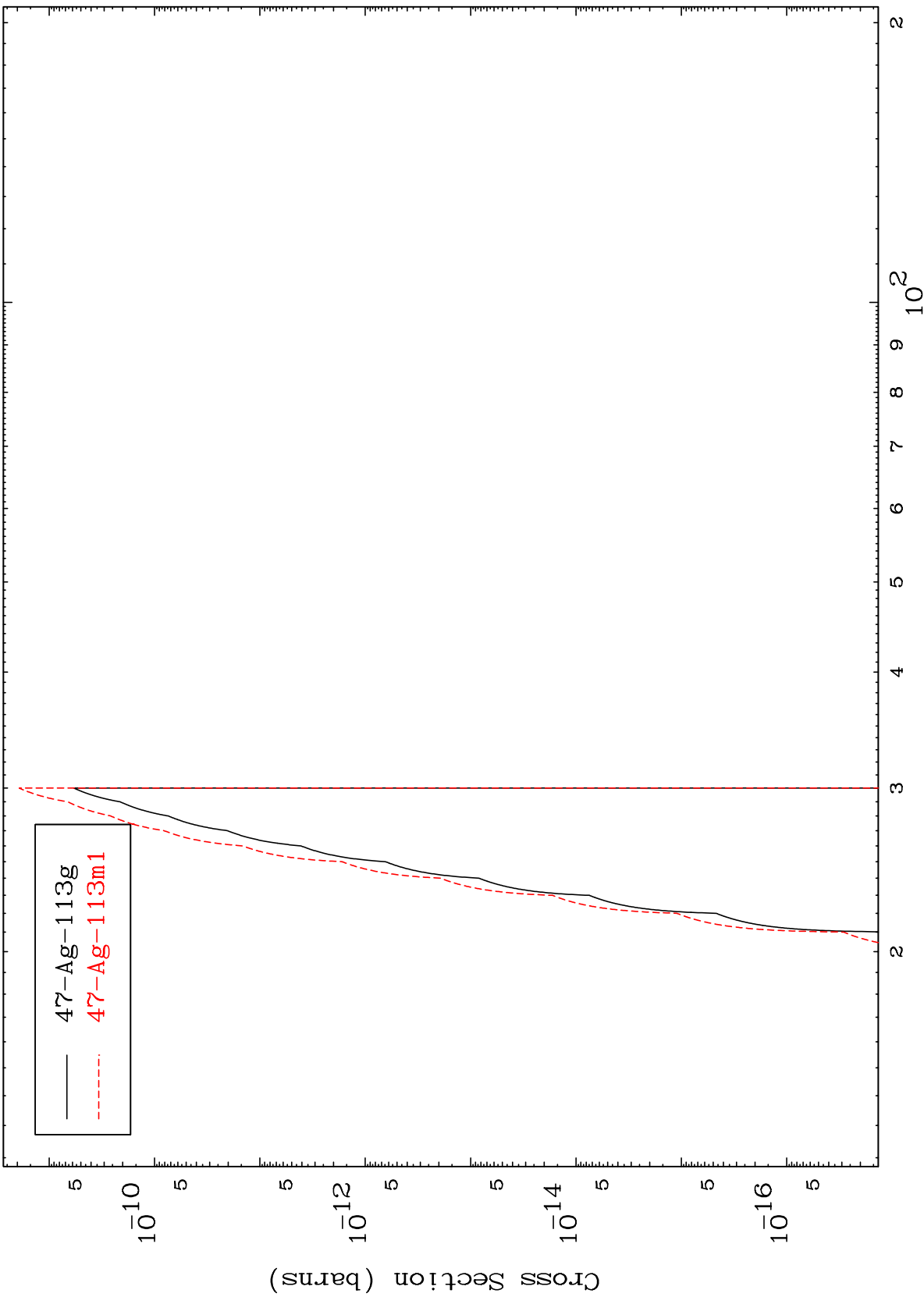
50-Sn-118

MAT 5043

(n,d) α

50-Sn-118

Radionuclide Production Cross Section



149

Incident Energy (MeV)

50-Sn-118