

Program EVALPLOT
(Version 2021-1)

by

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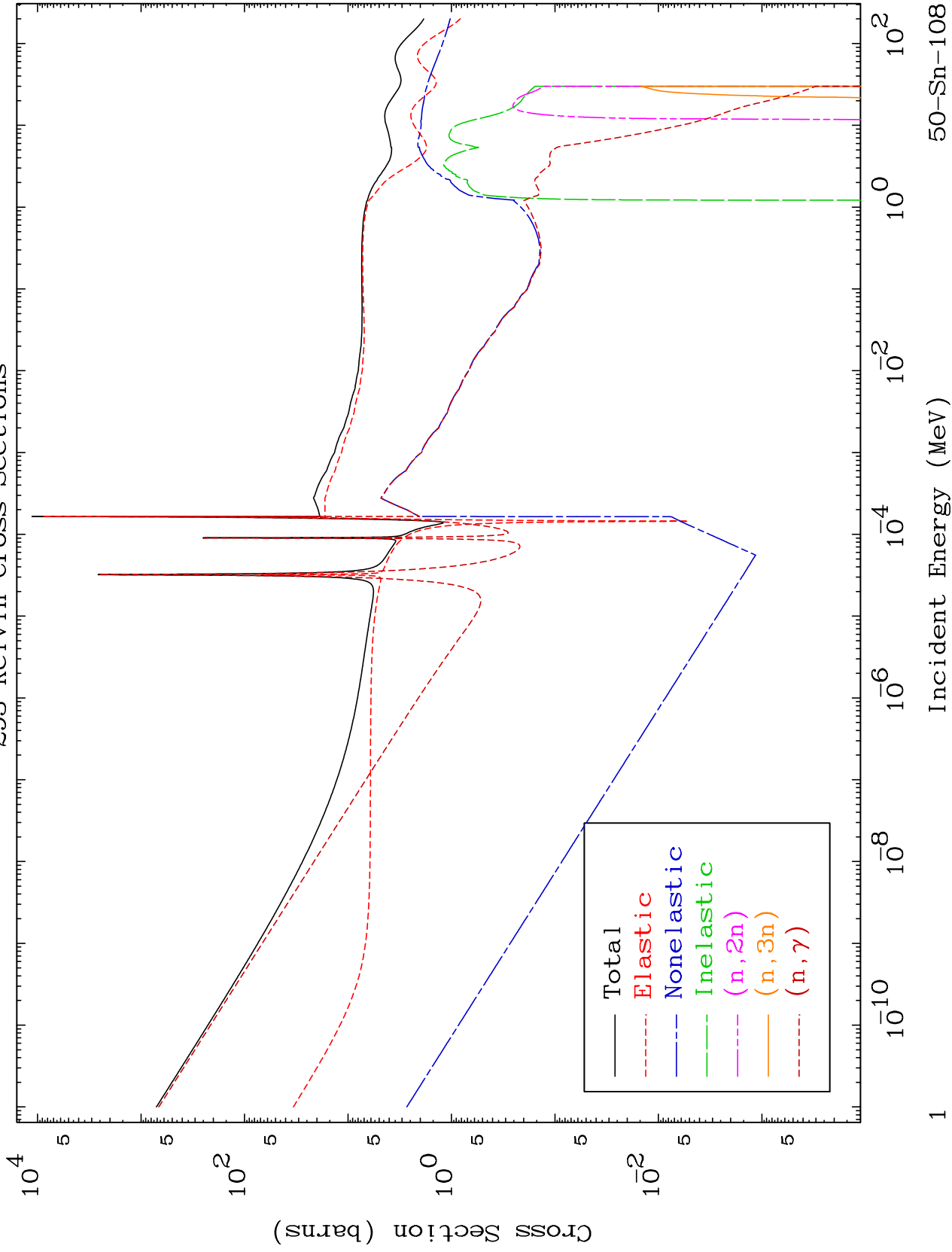
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5013

Neutron Major
293 Kelvin Cross Sections

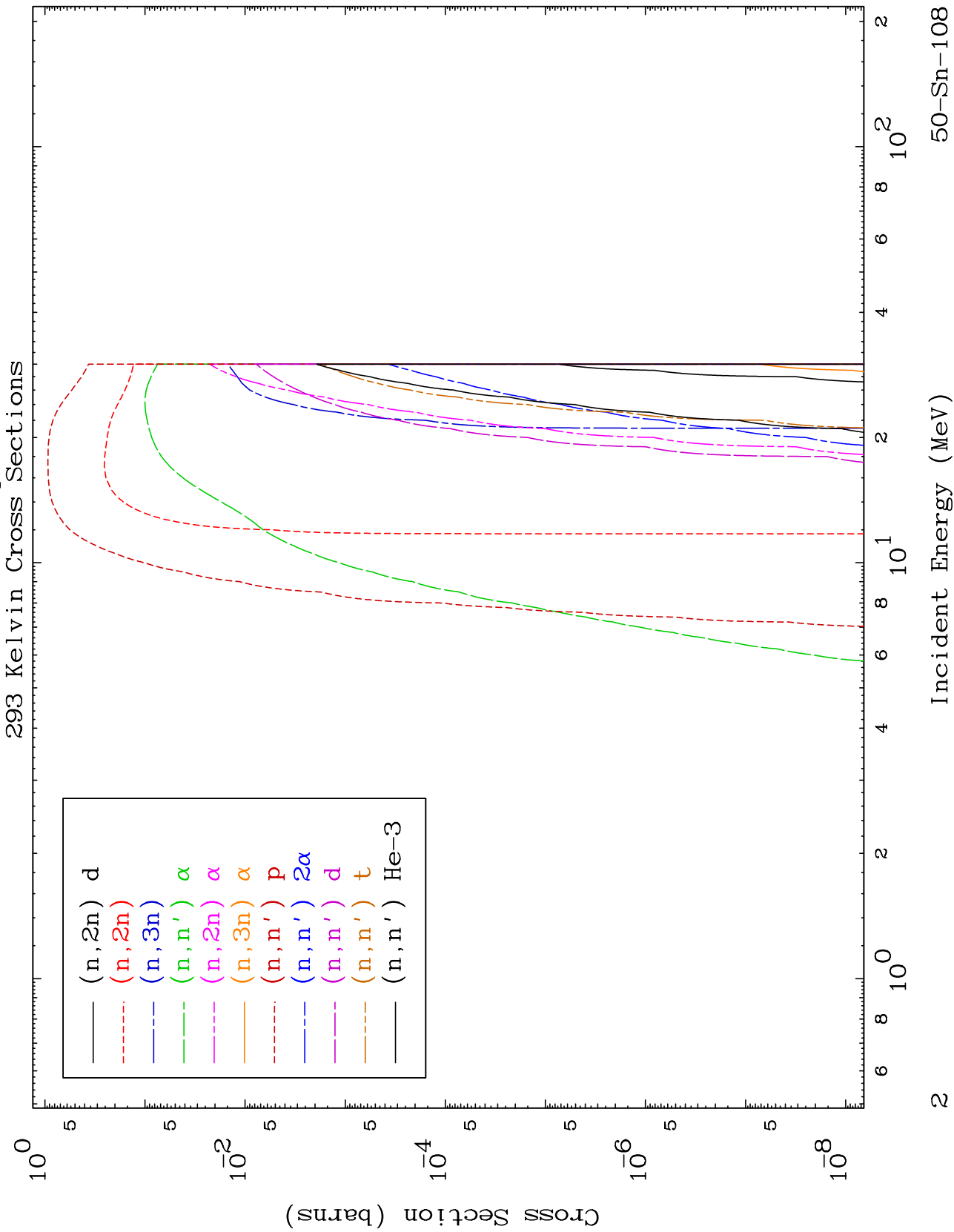
50-Sn-108



MAT 5013

Neutron Absorption

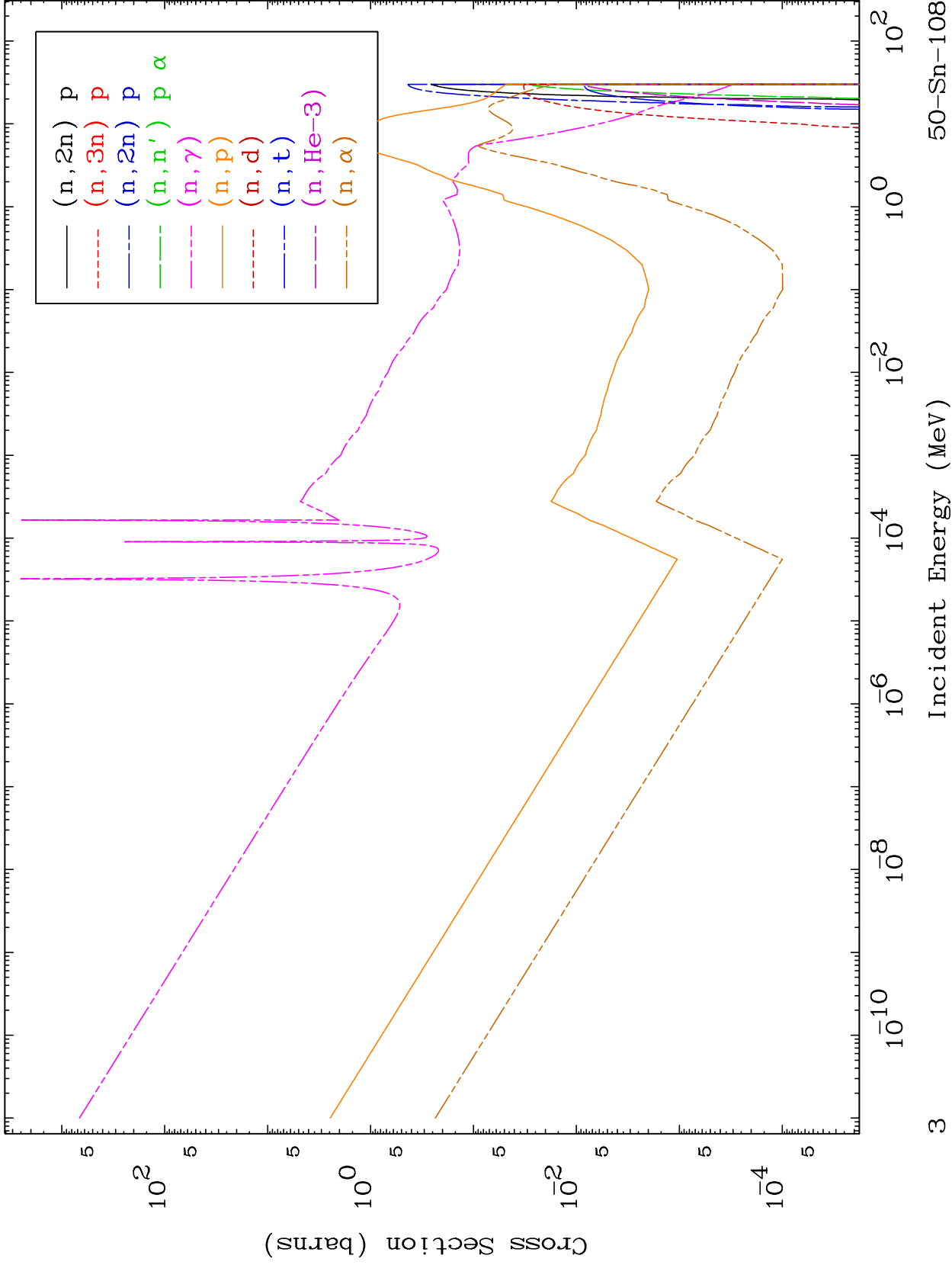
50-Sn-108



MAT 5013

Neutron Absorption
293 Kelvin Cross Sections

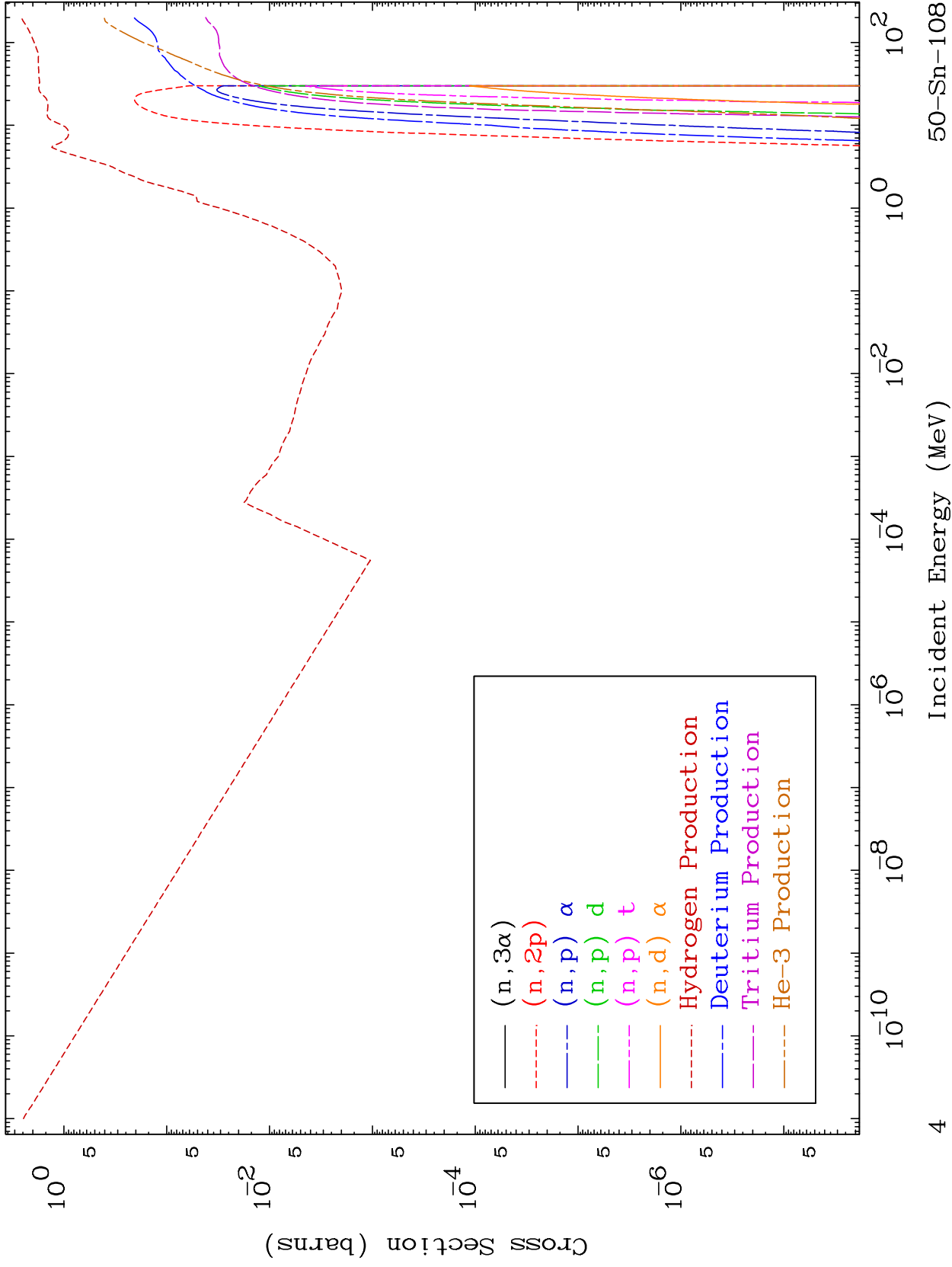
50-Sn-108



MAT 5013

Neutron Absorption
293 Kelvin Cross Sections

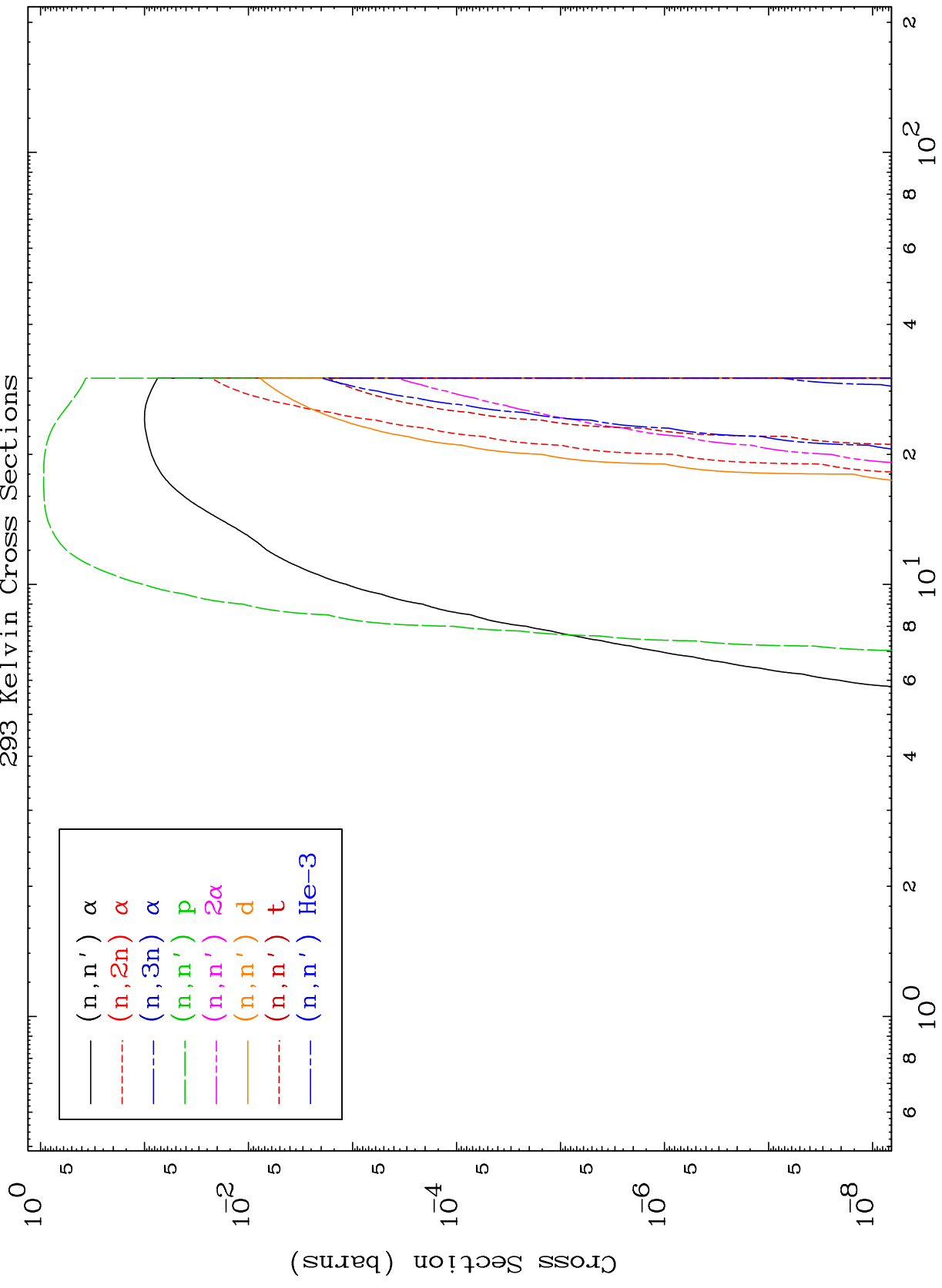
50-Sn-108



MAT 5013

Charged Particle
293 Kelvin Cross Sections

50-Sn-108



—	(n, n') α
- - -	(n, 2n) α
- · - · -	(n, 3n) α
- - -	(n, n') p
- - -	(n, n') 2α
—	(n, n') d
- · - · -	(n, n') t
- · - · -	(n, n') He-3

5

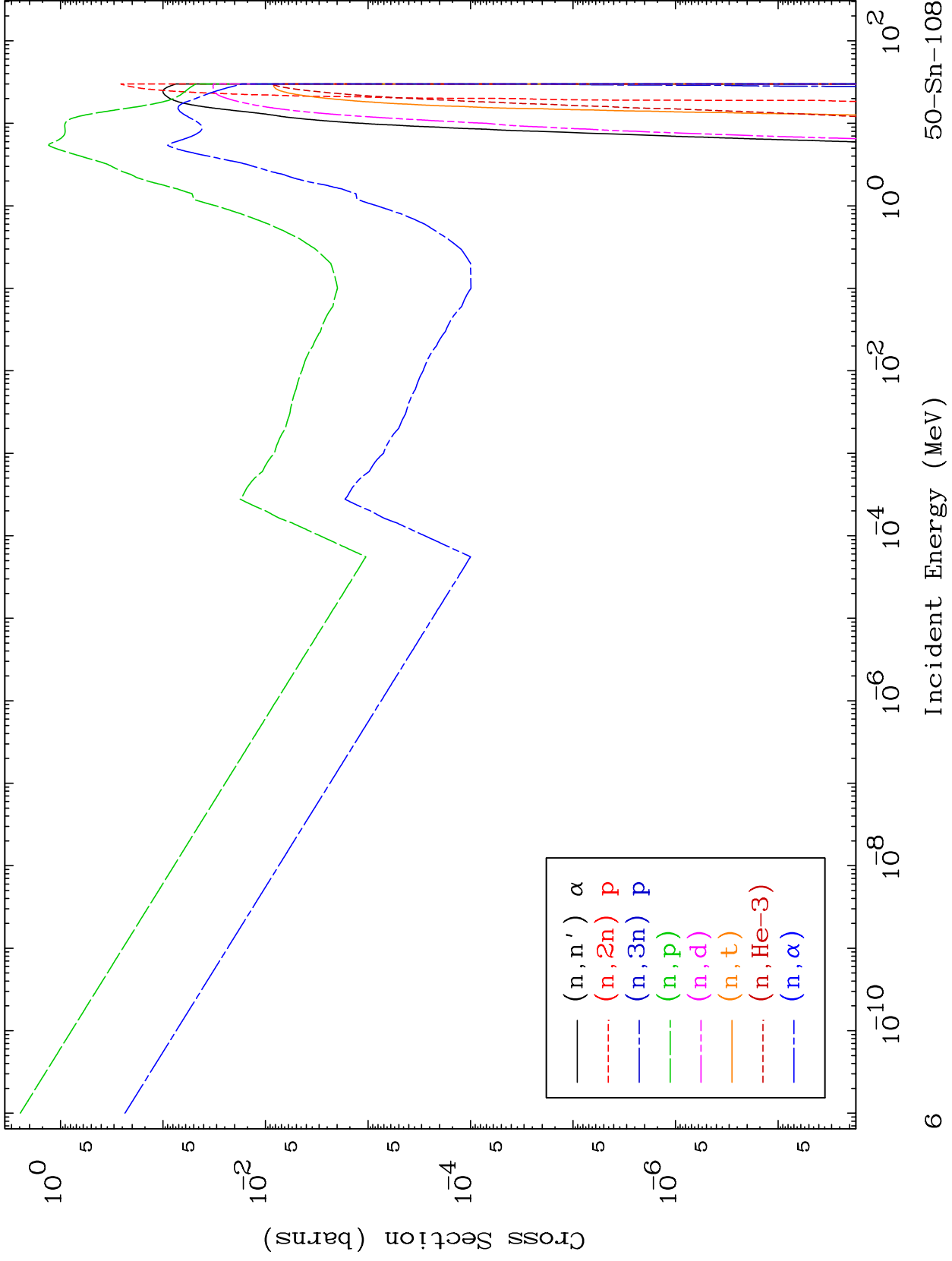
Incident Energy (MeV)

50-Sn-108

MAT 5013

Charged Particle
293 Kelvin Cross Sections

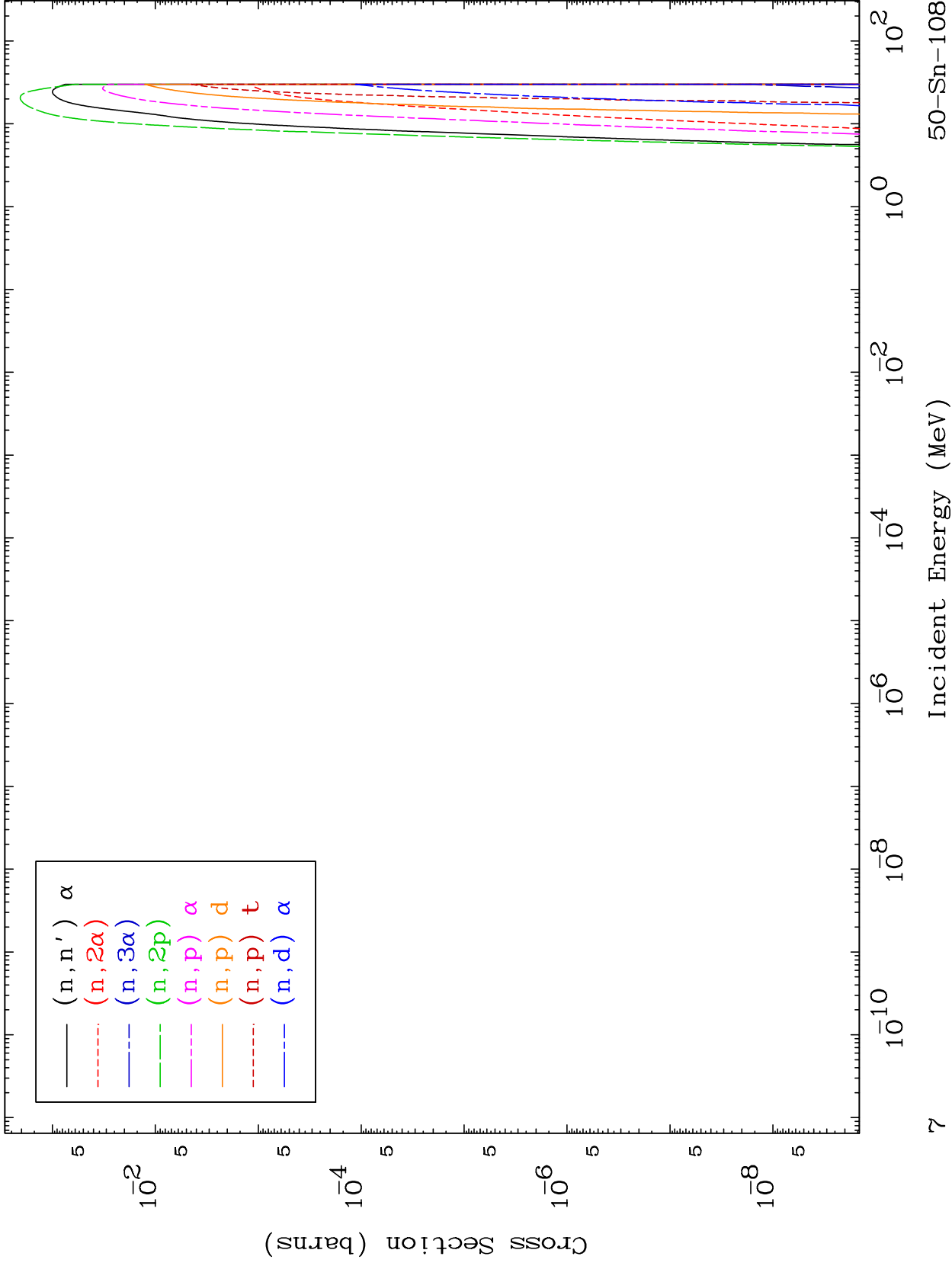
50-Sn-108



MAT 5013

Charged Particle
293 Kelvin Cross Sections

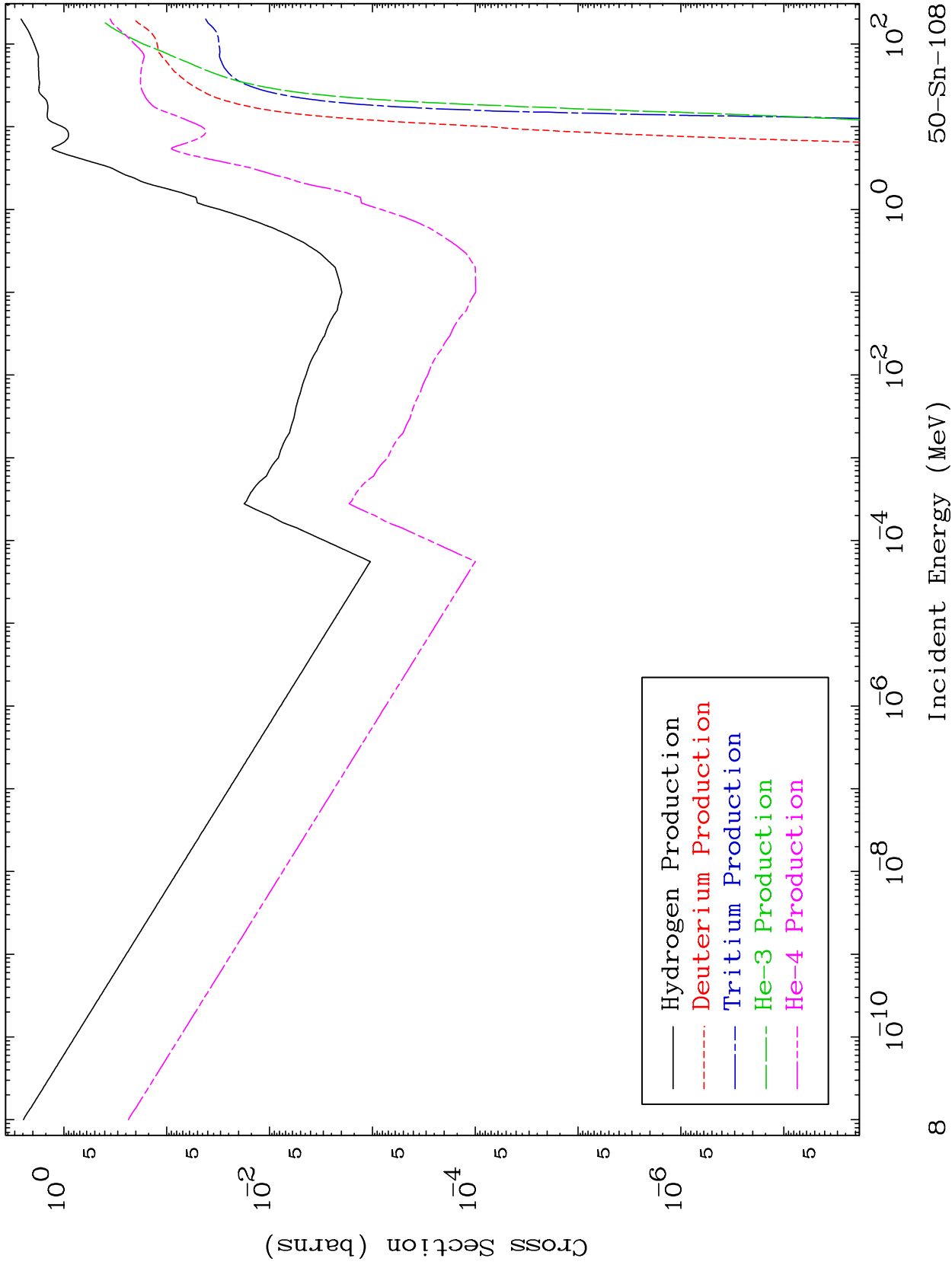
50-Sn-108



MAT 5013

Particle Production
293 Kelvin Cross Sections

50-Sn-108

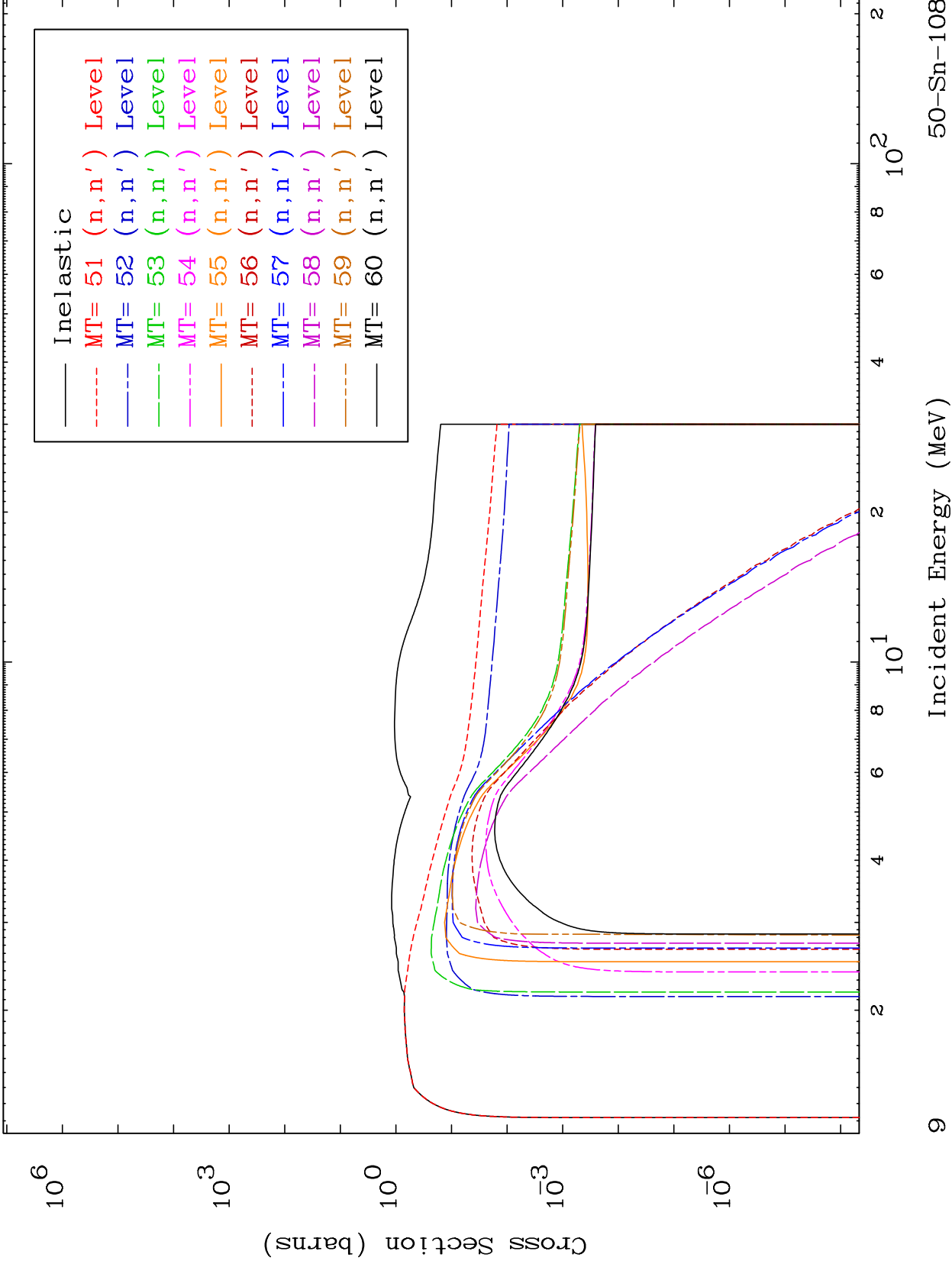


MAT 5013

(n,n') Levels

50-Sn-108

293 Kelvin Cross Sections

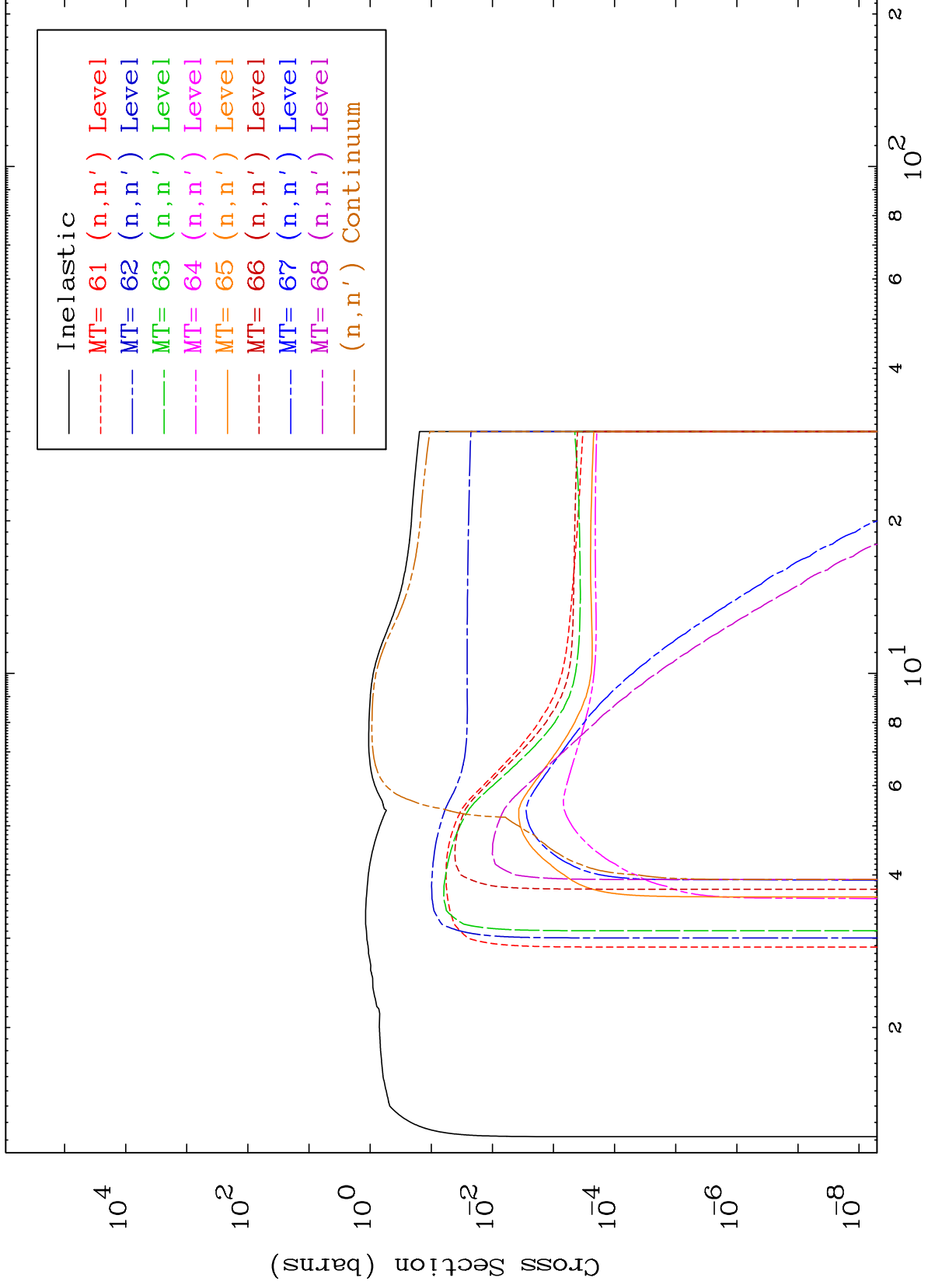


MAT 5013

(n,n') Levels

50-Sn-108

293 Kelvin Cross Sections



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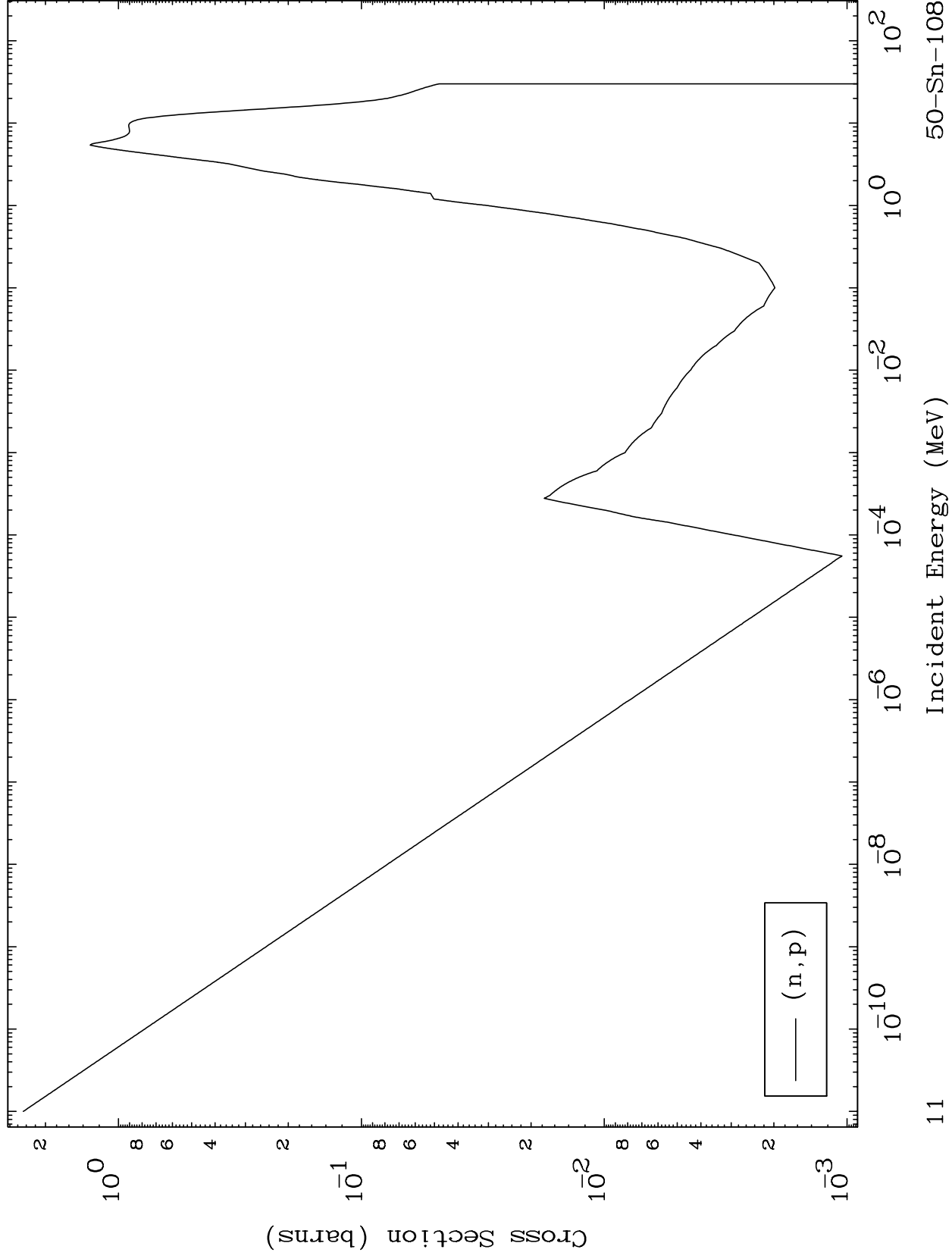
Incident Energy (MeV)

50-Sn-108

MAT 5013

(n,p) Levels
293 Kelvin Cross Sections

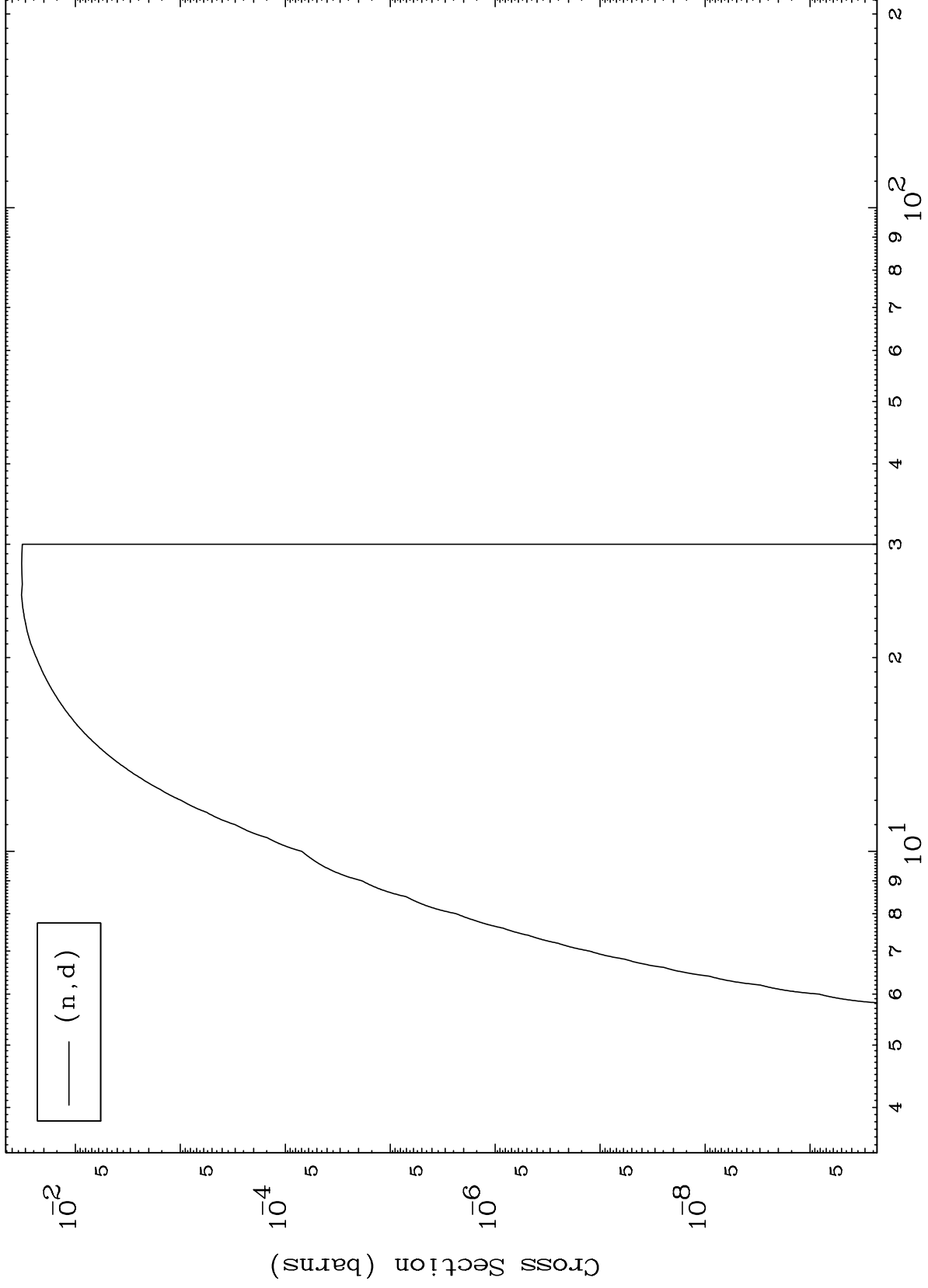
50-Sn-108



MAT 5013

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-108



12

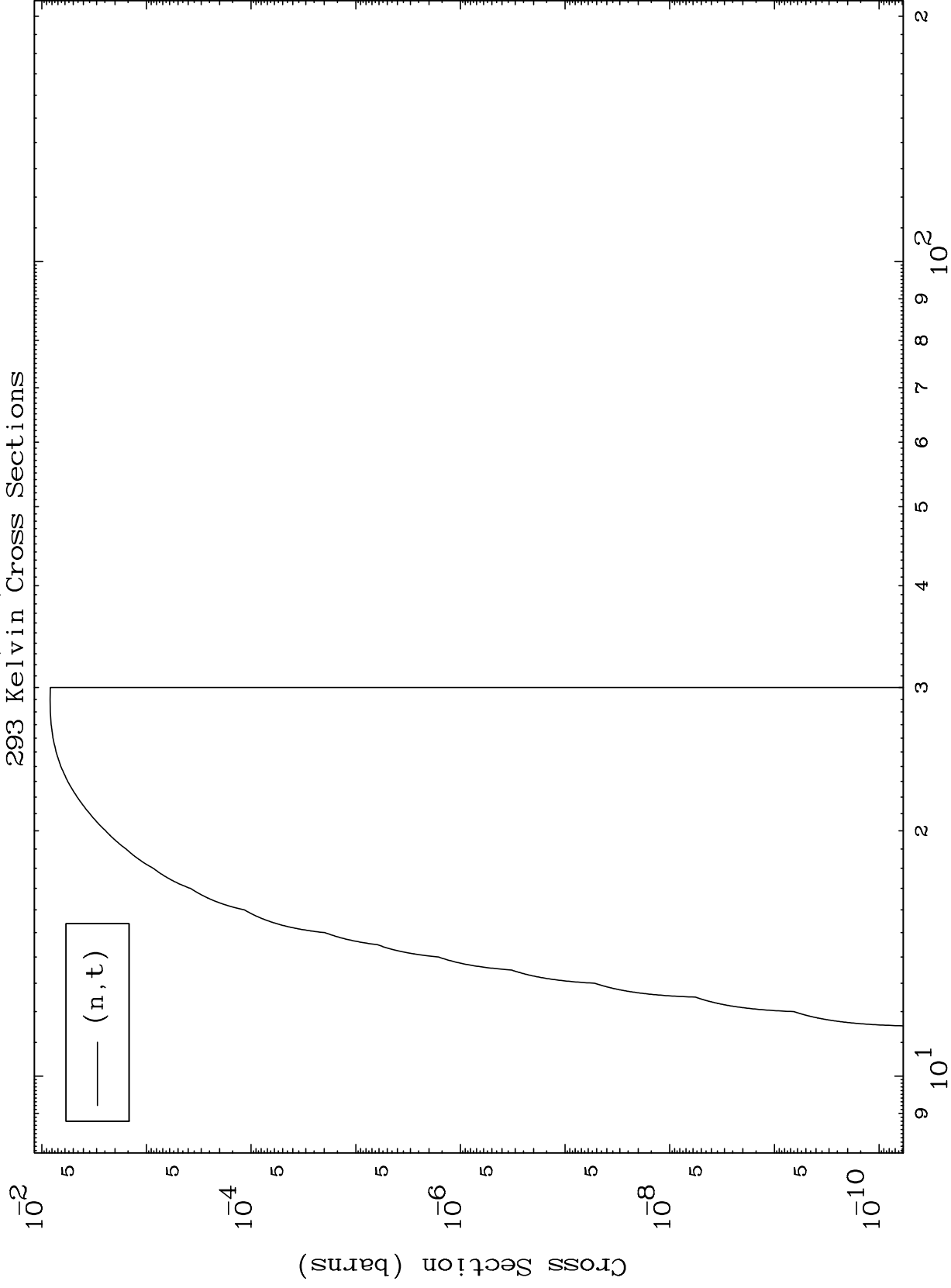
Incident Energy (MeV)

50-Sn-108

MAT 5013

(n,t) Levels
293 Kelvin Cross Sections

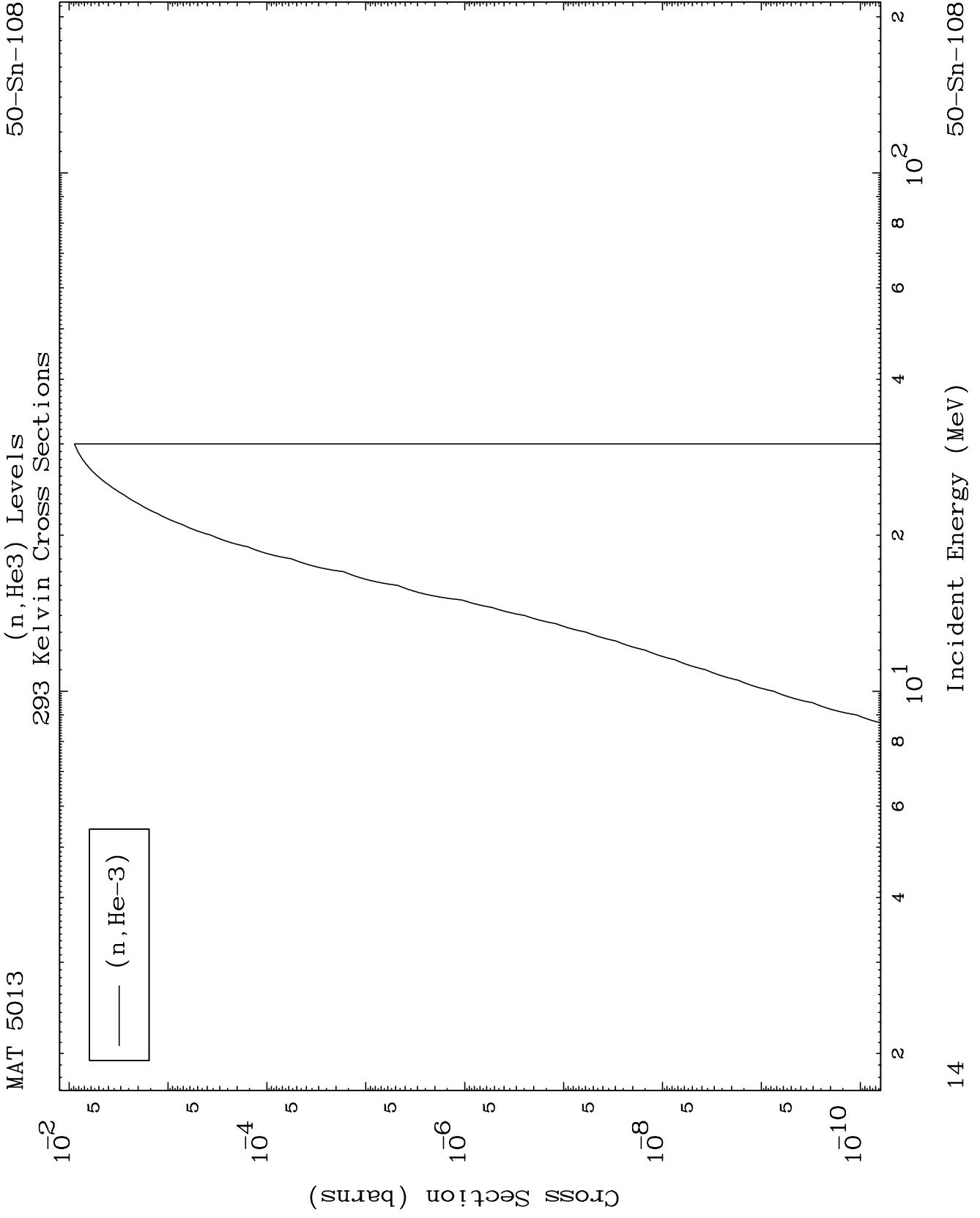
50-Sn-108



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Incident Energy (MeV)

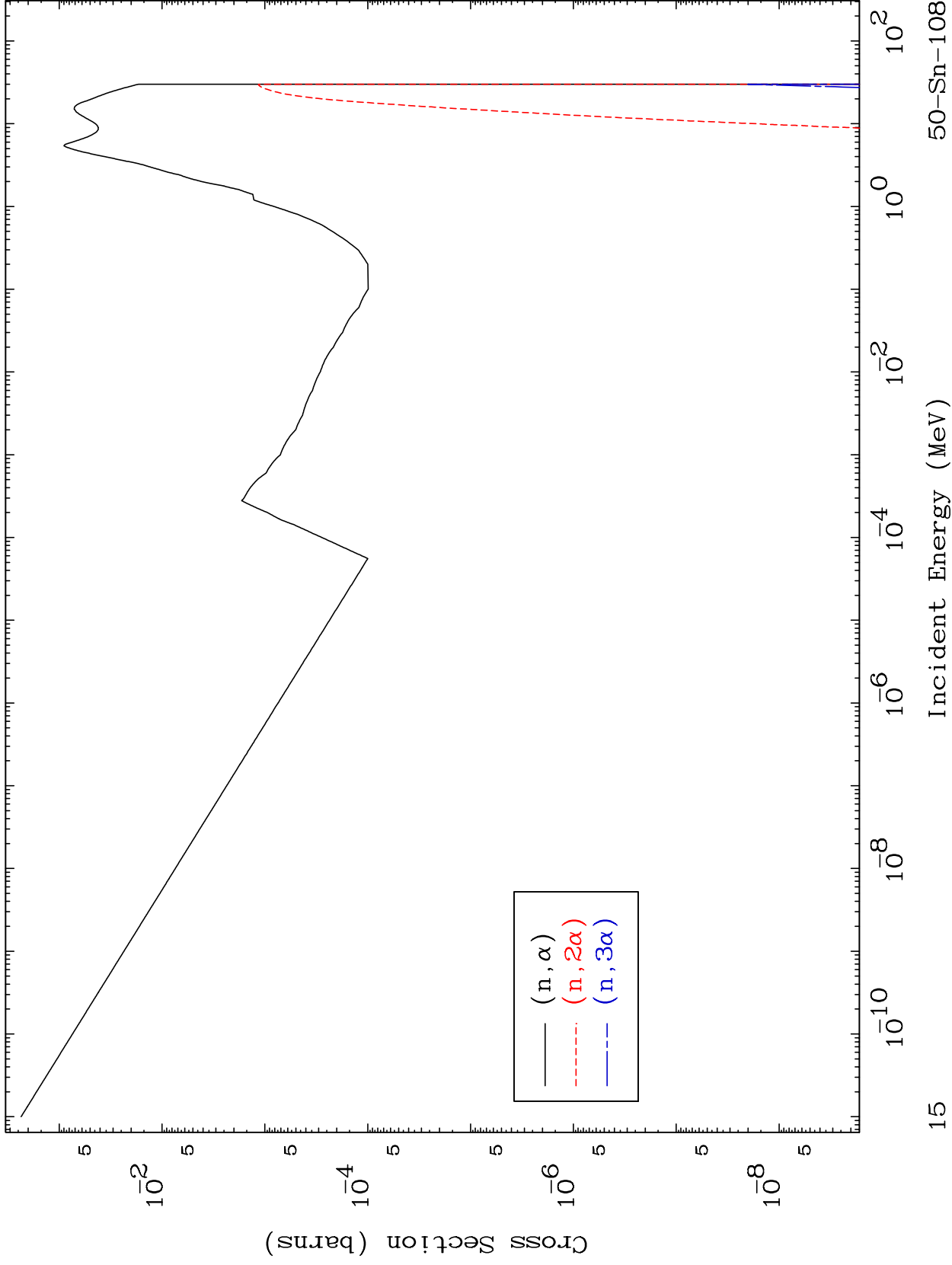
50-Sn-108



MAT 5013

(n,α) Levels
293 Kelvin Cross Sections

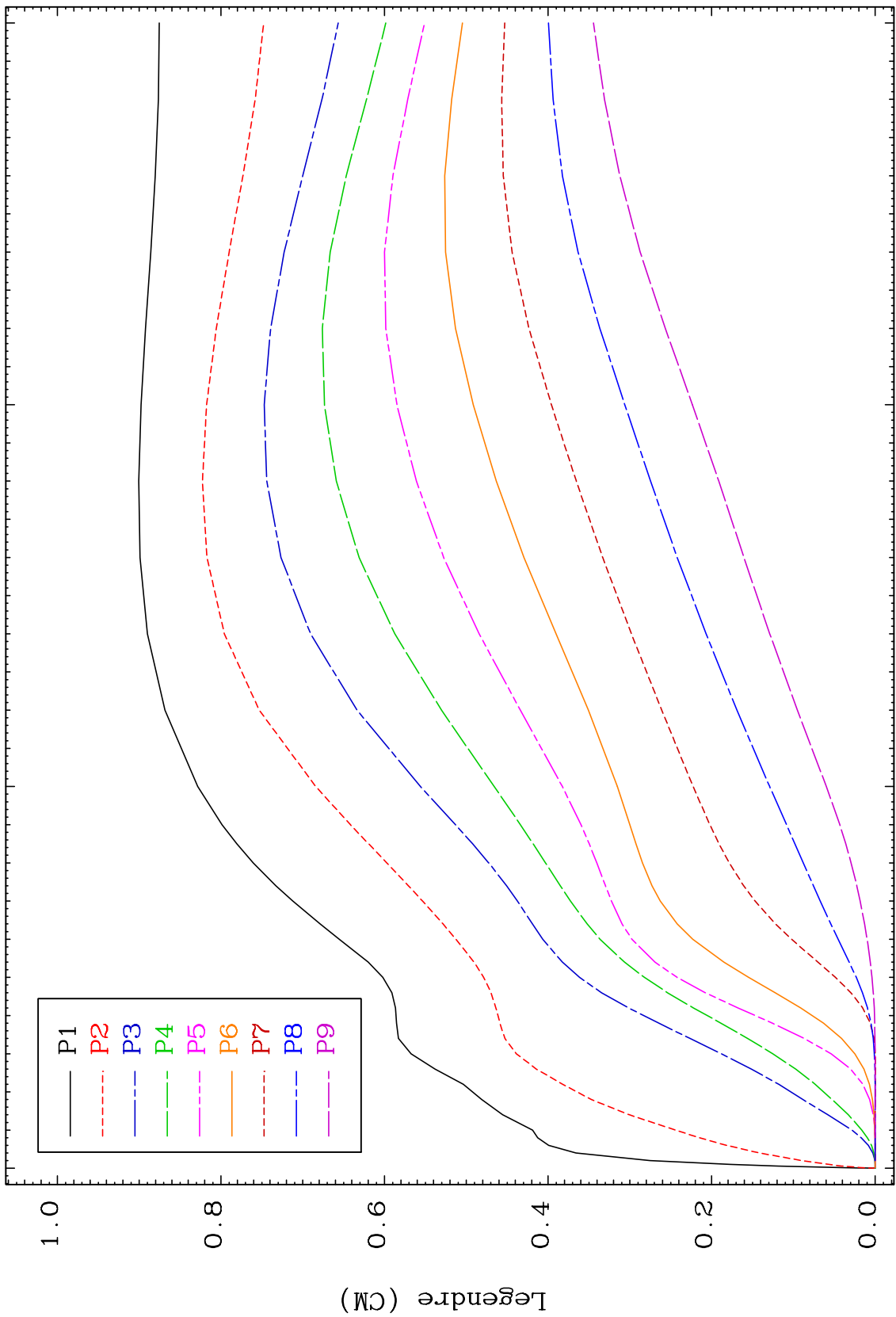
50-Sn-108



MAT 5013

Elastic Legendre Coefficients

50-Sn-108



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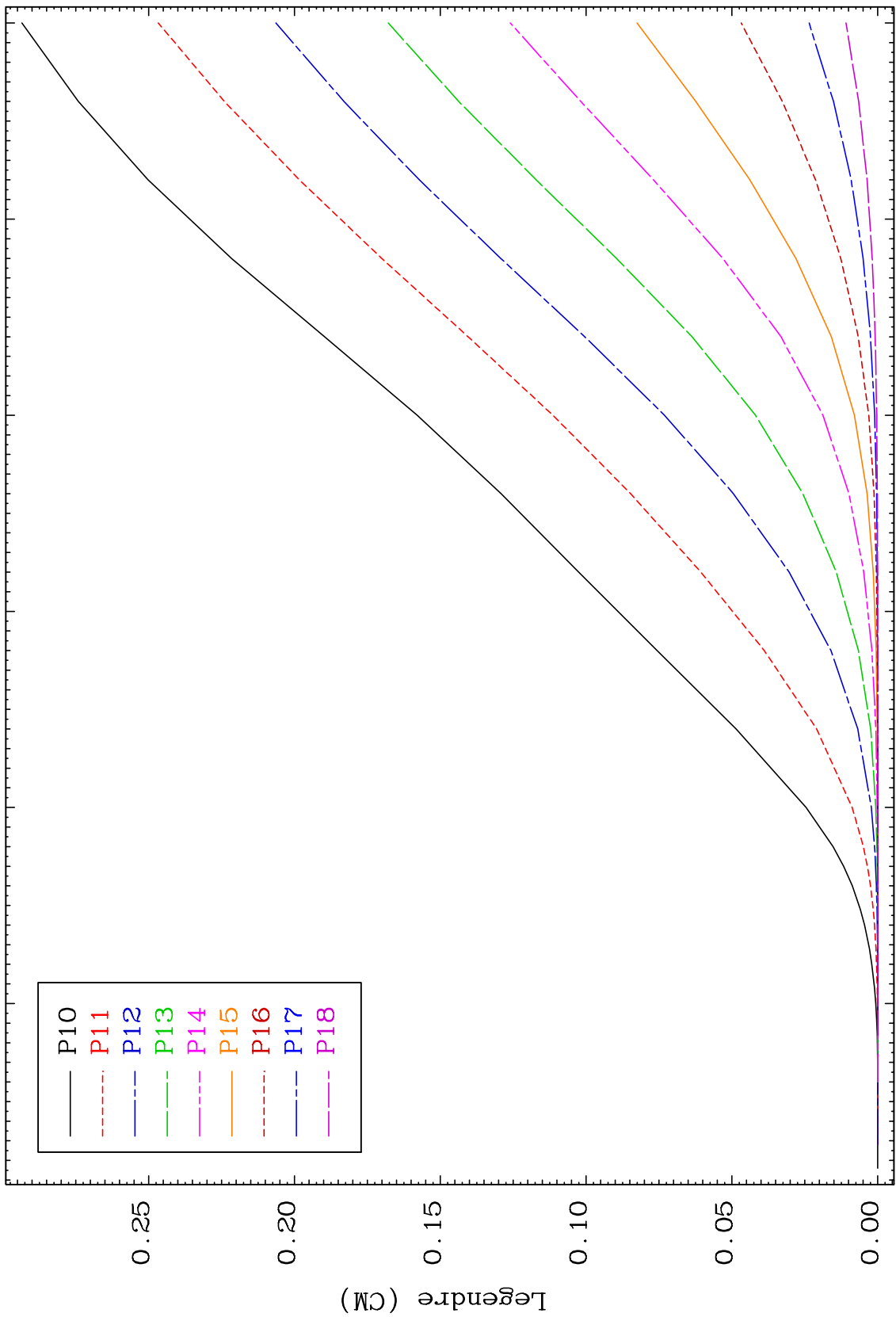
Incident Energy (MeV)

50-Sn-108

MAT 5013

Elastic Legendre Coefficients

50-Sn-108



17

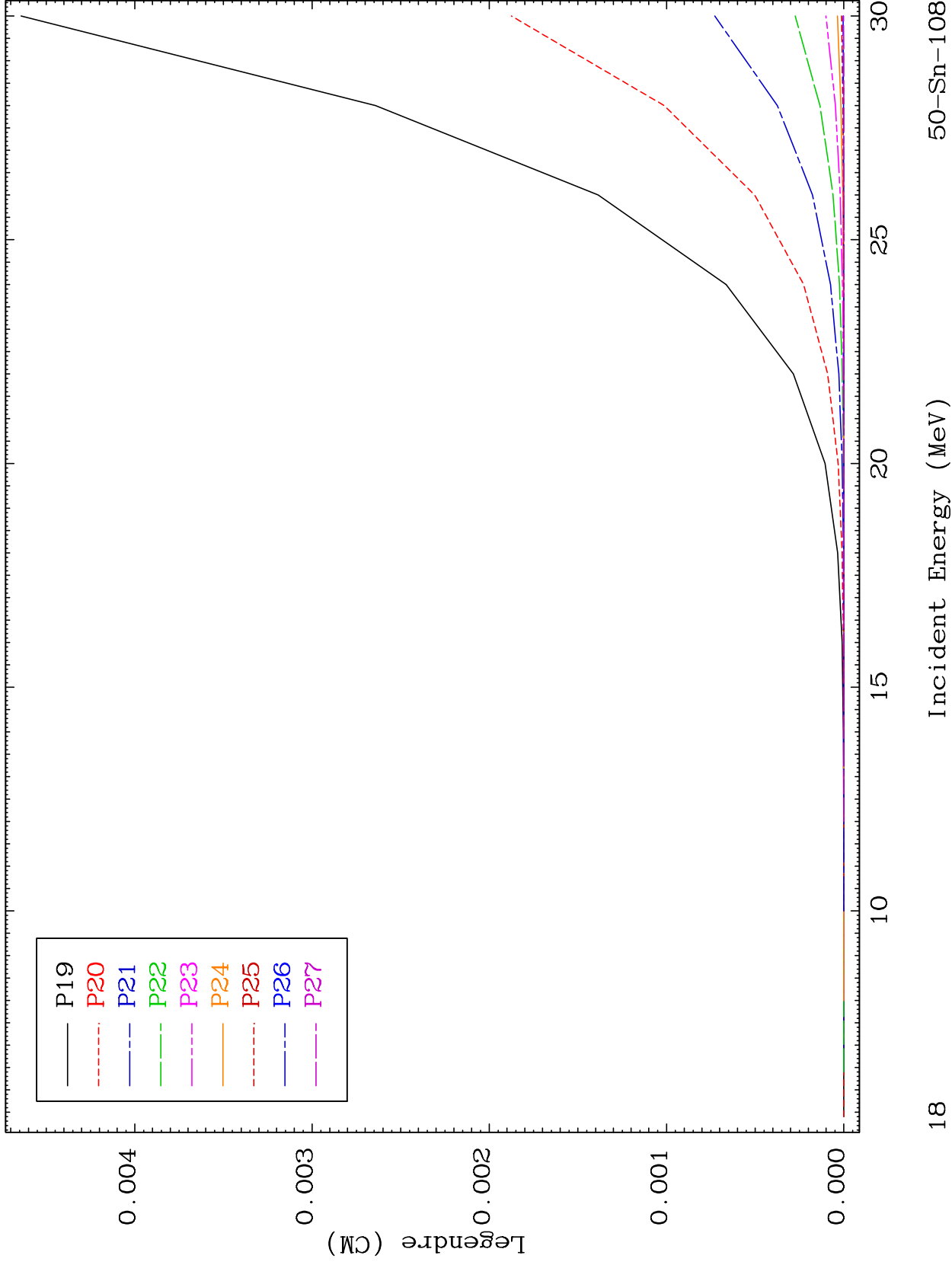
50-Sn-108

Incident Energy (MeV)

MAT 5013

Elastic Legendre Coefficients

50-Sn-108



18

Incident Energy (MeV)

50-Sn-108

MAT 5013

Elastic Legendre Coefficients

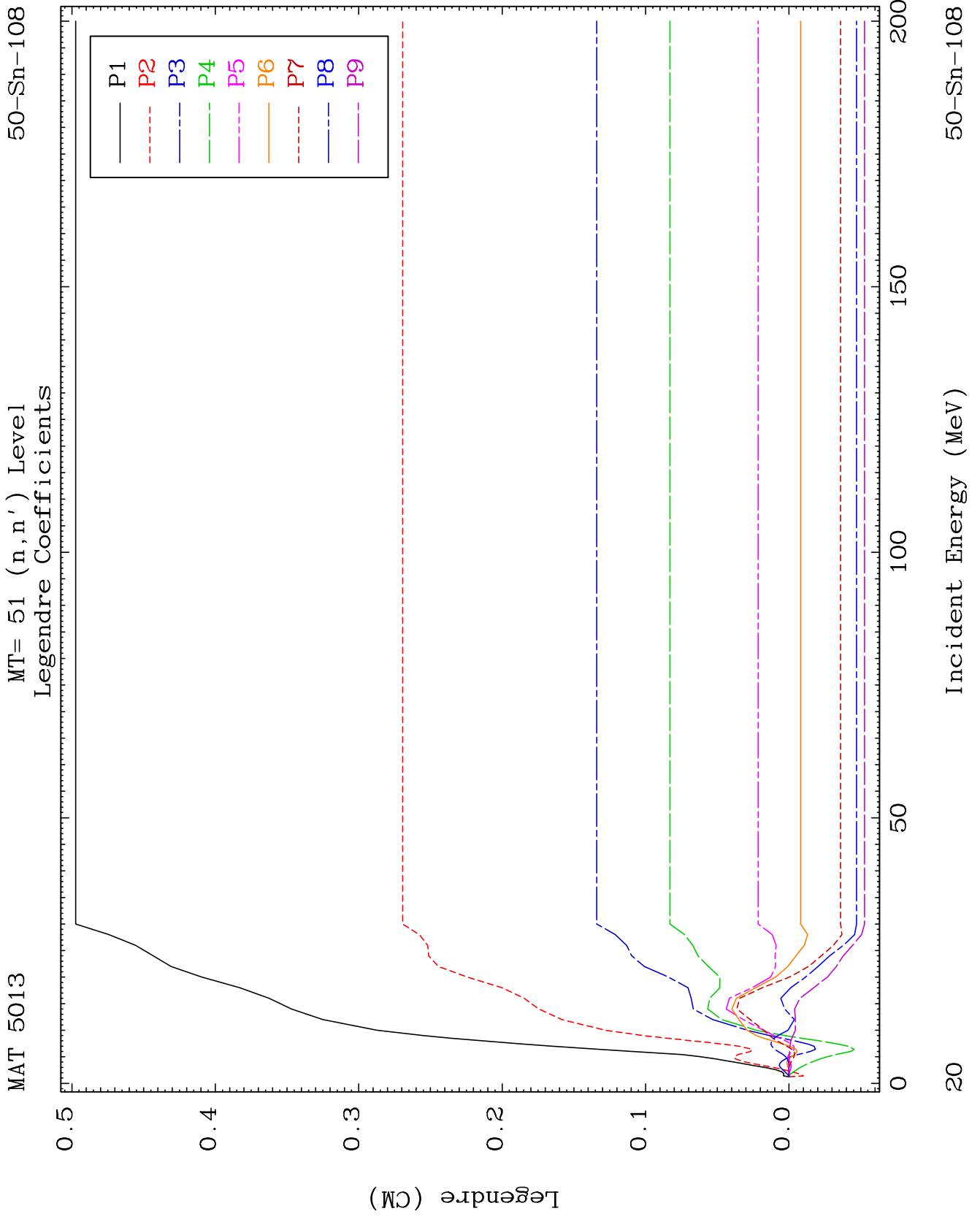
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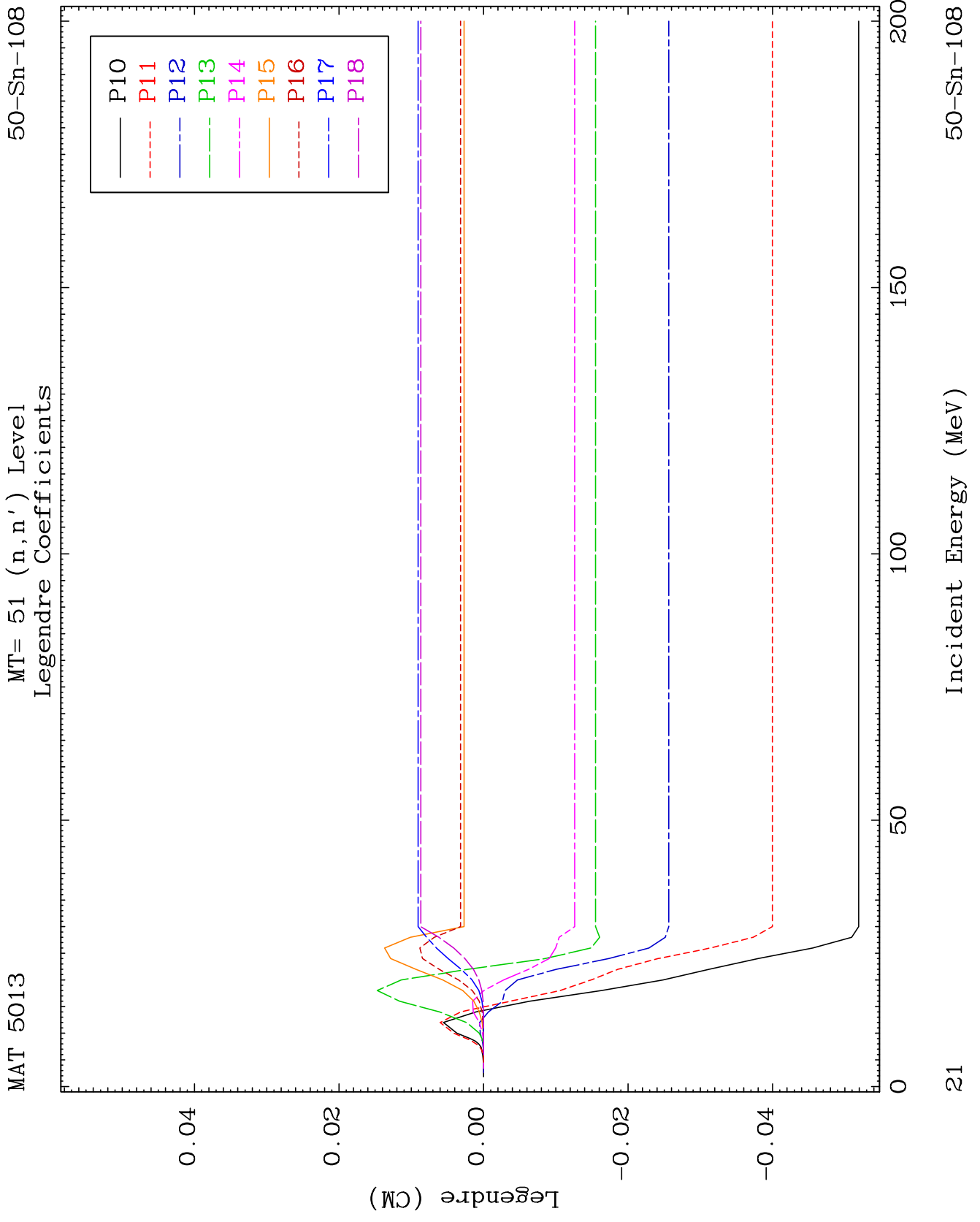


19

Incident Energy (MeV)

50-Sn-108

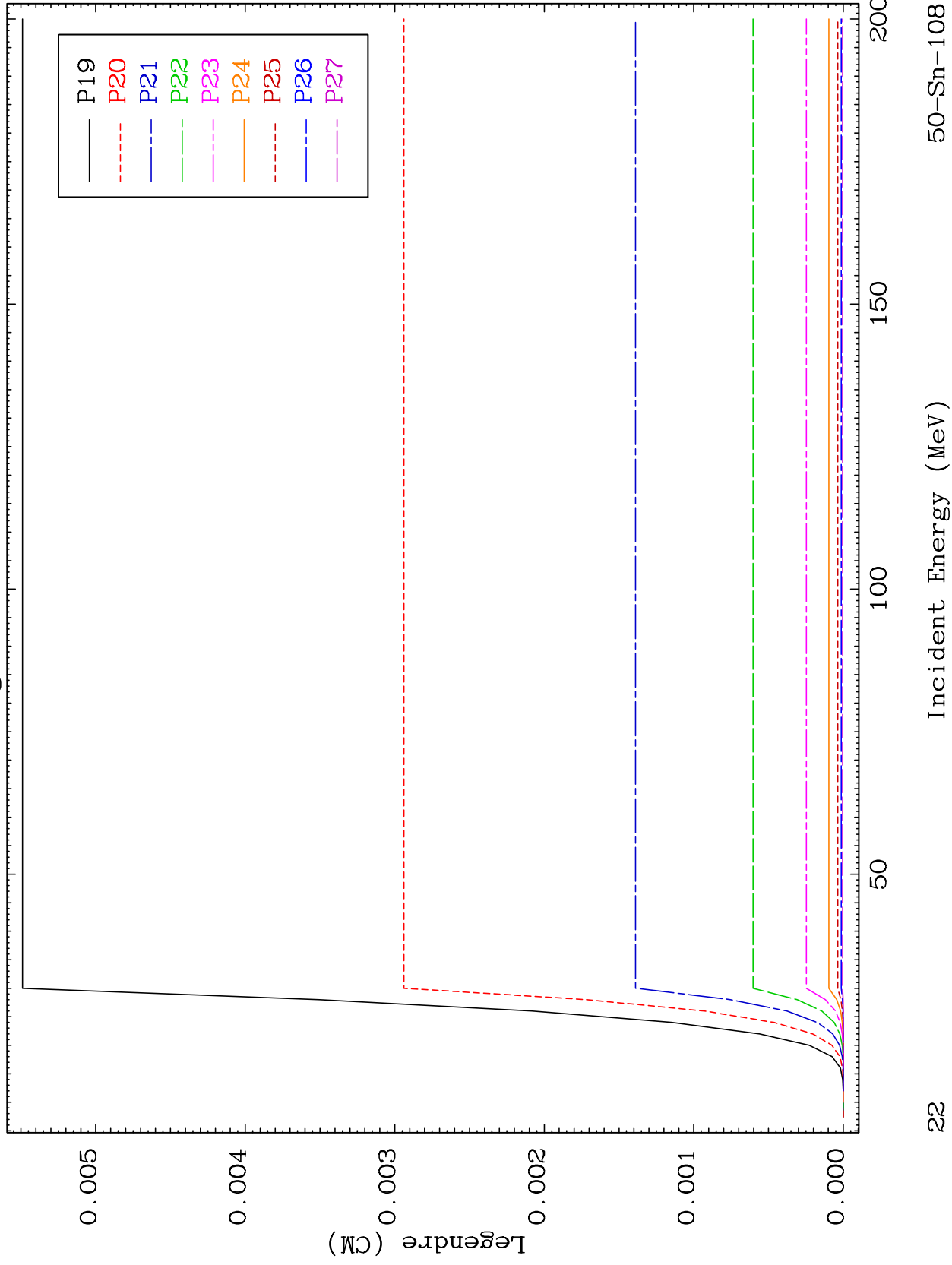




MAT 5013

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

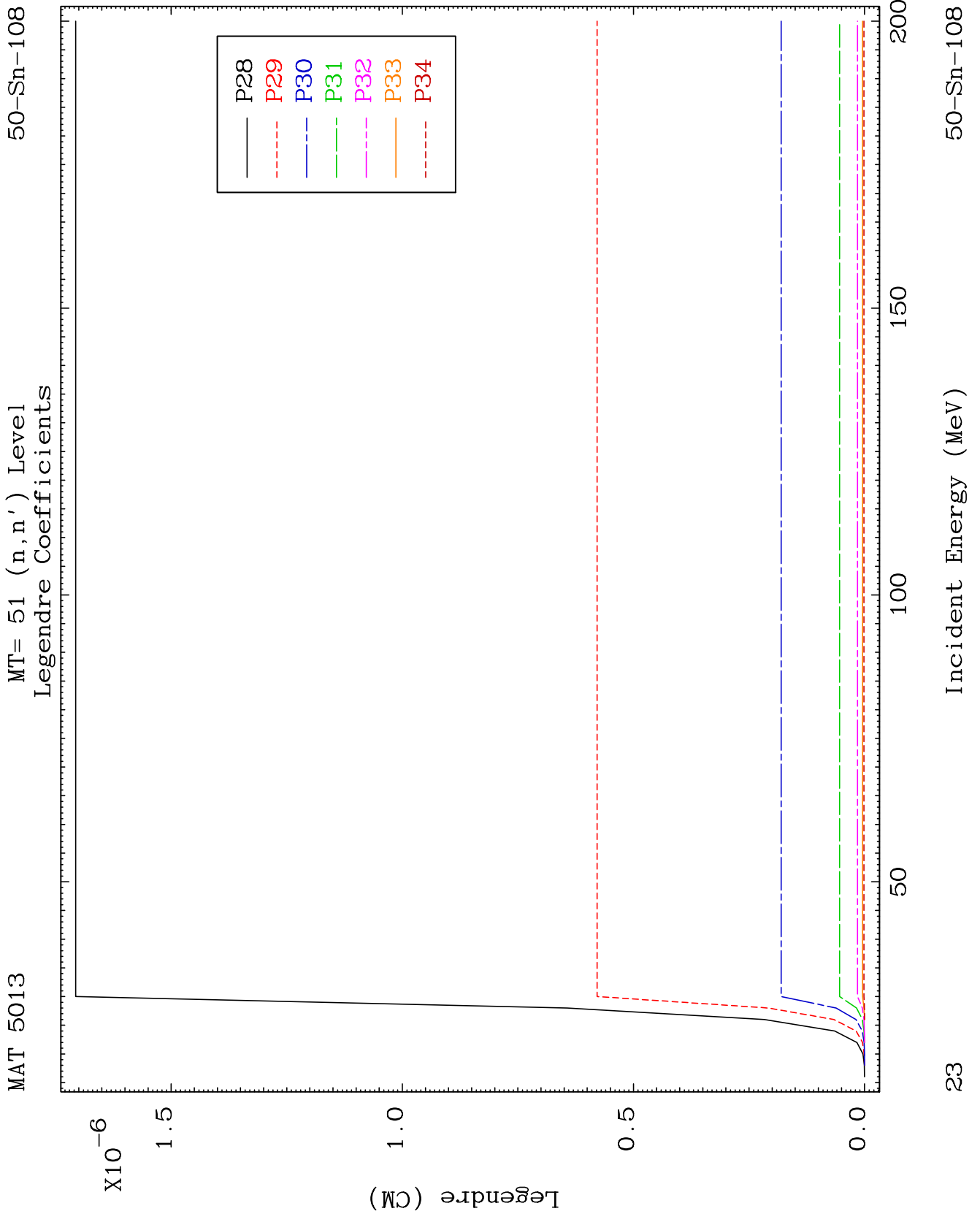
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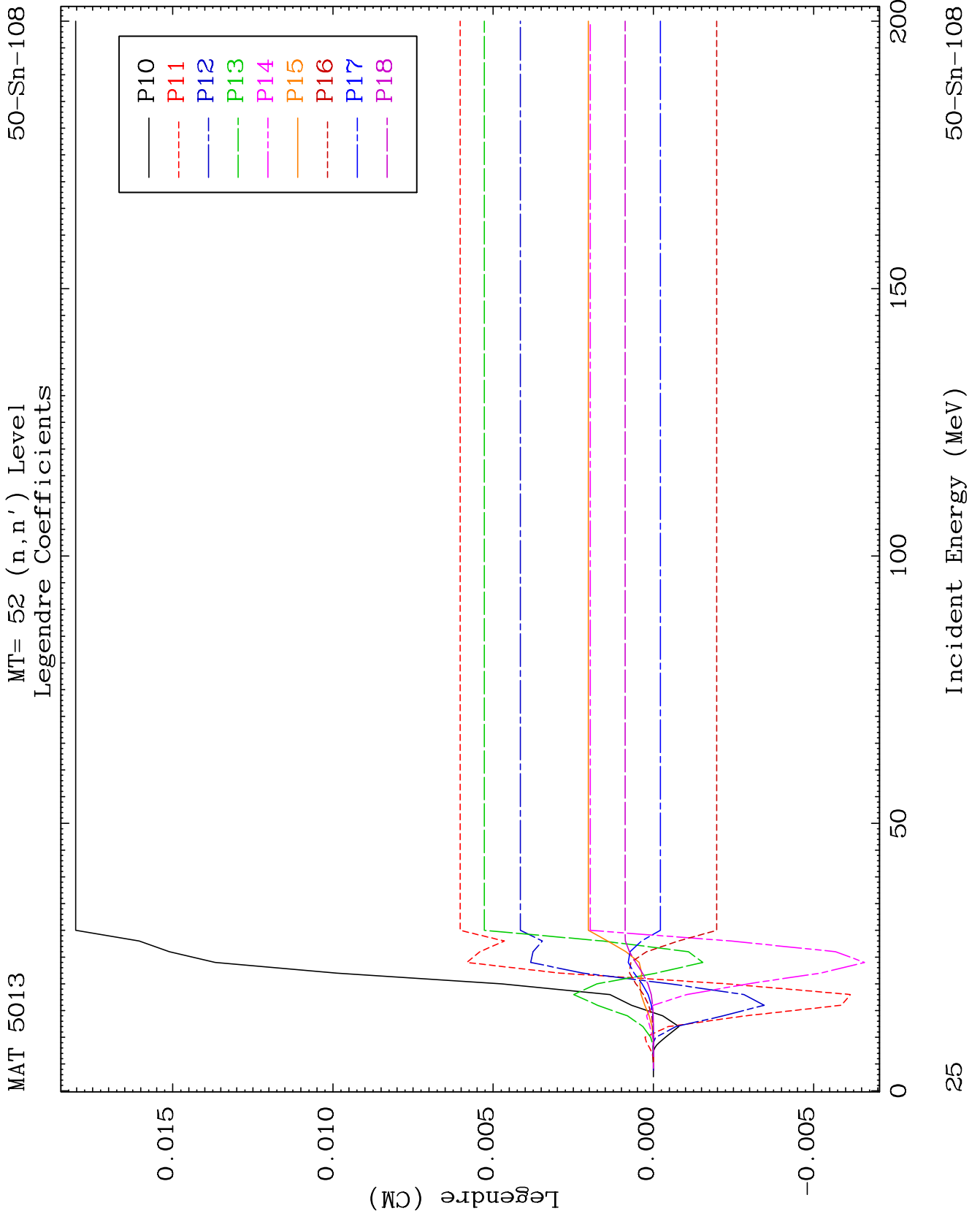


22

Incident Energy (MeV)

50-Sn-108

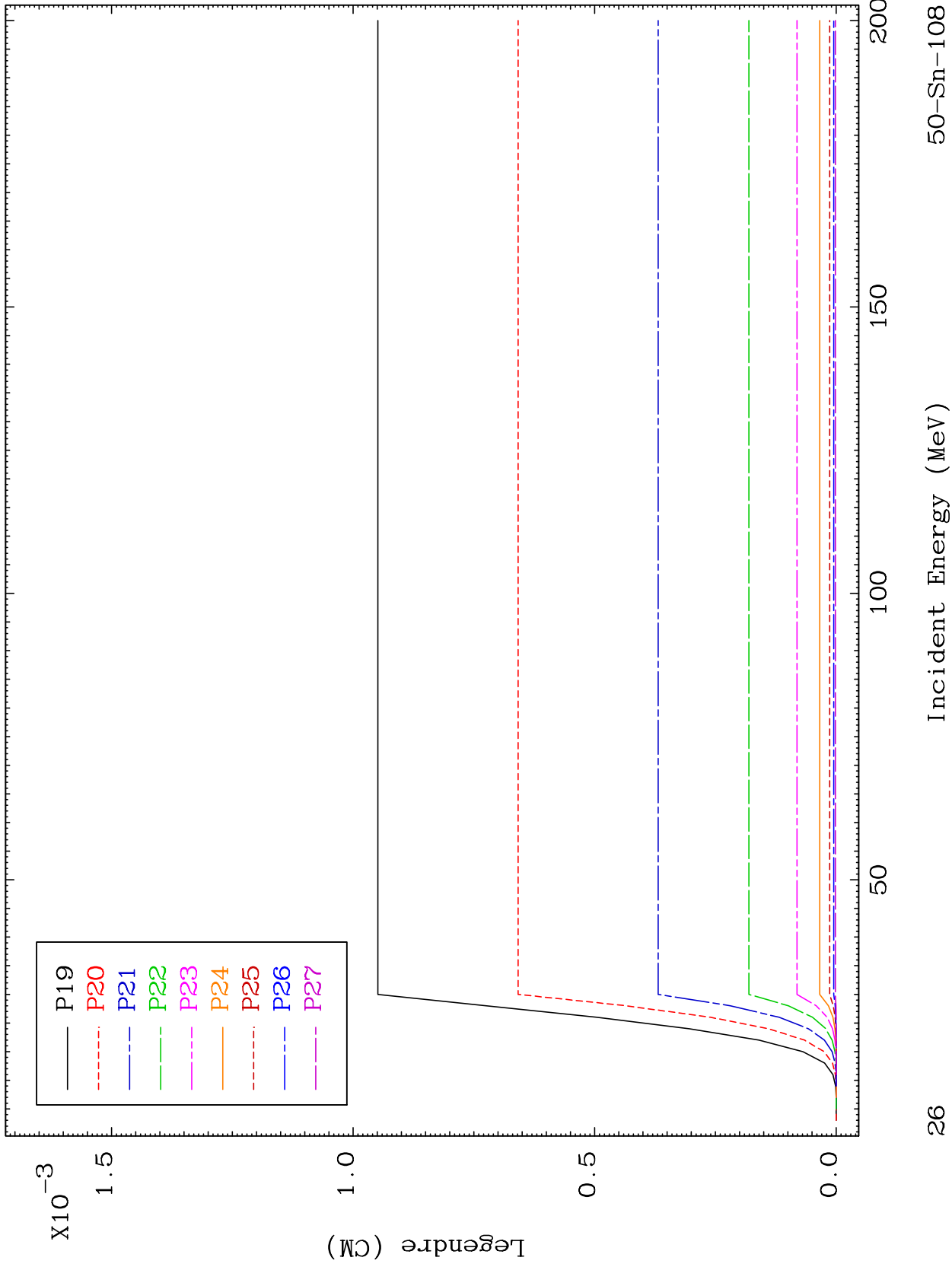




MAT 5013

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

50-Sn-108

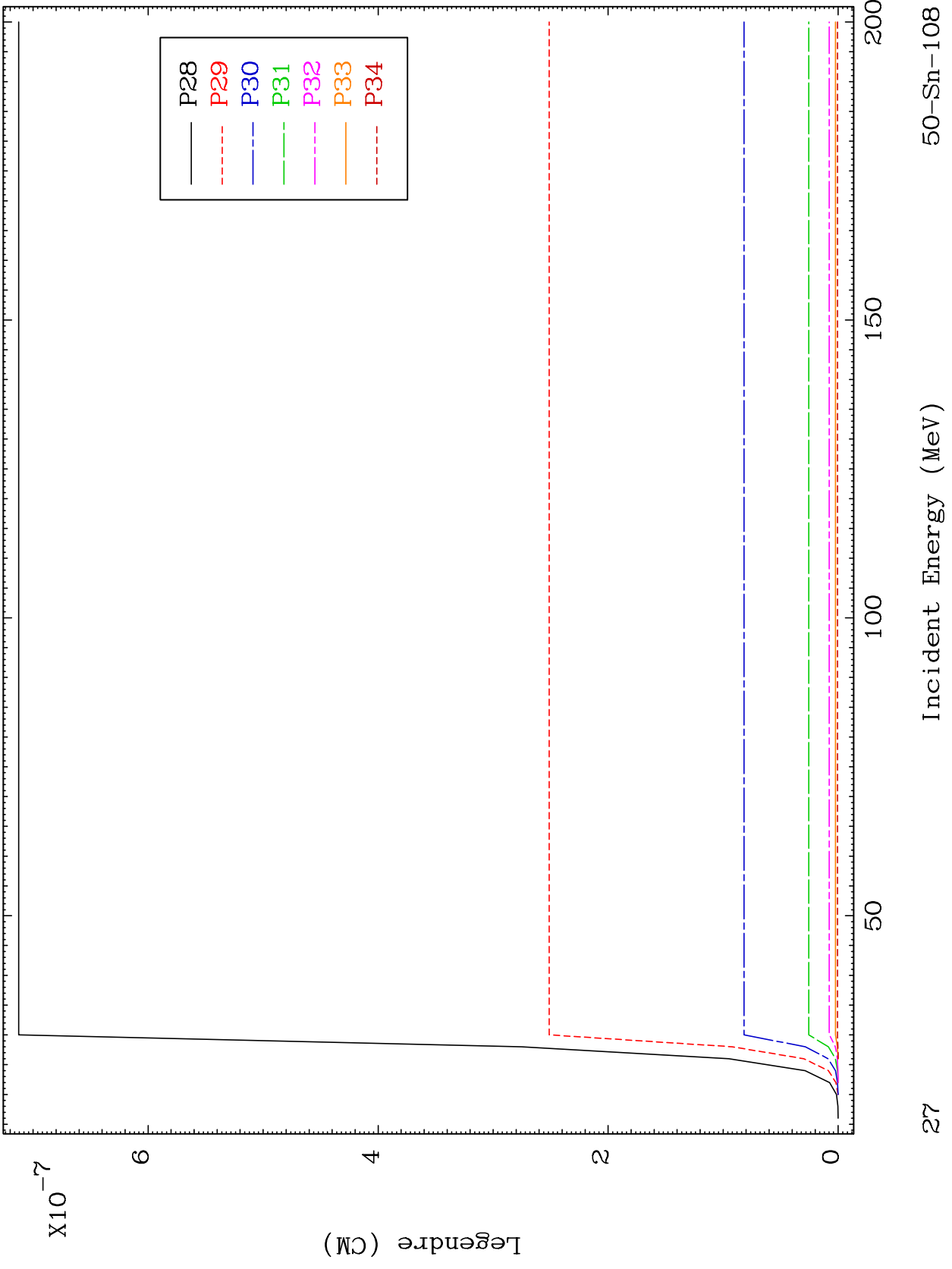


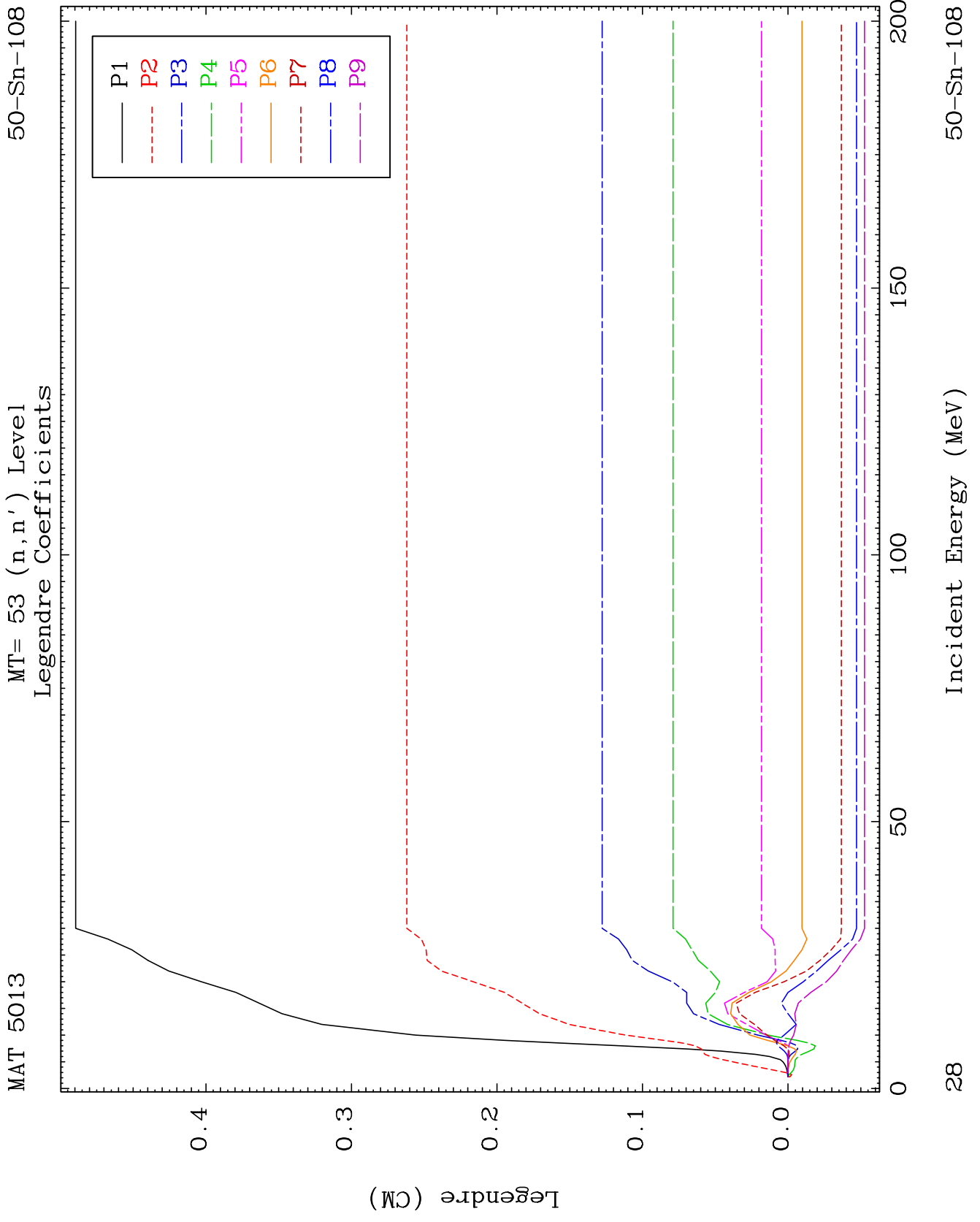
26

MAT 5013

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

50-Sn-108

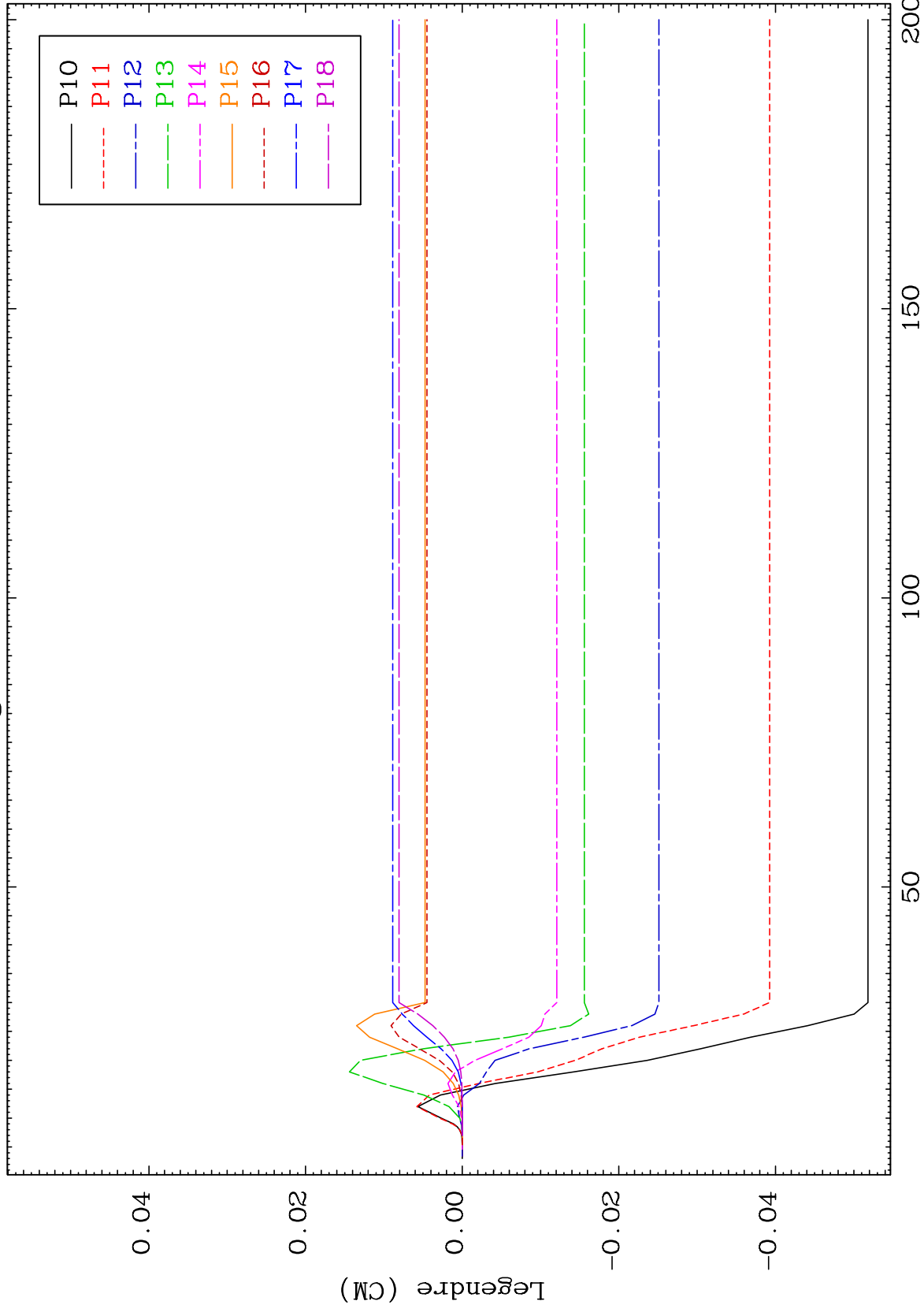




MAT 5013

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

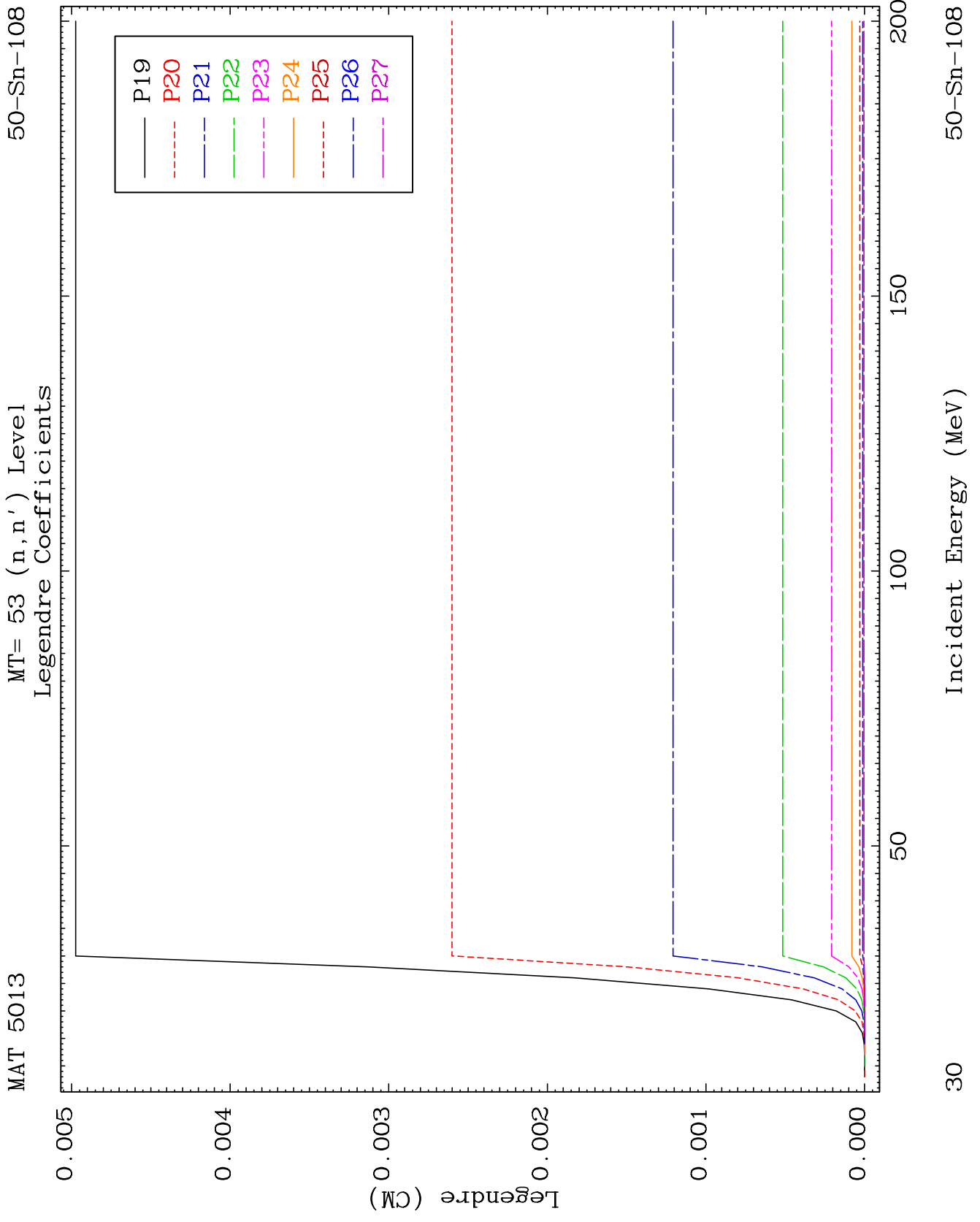
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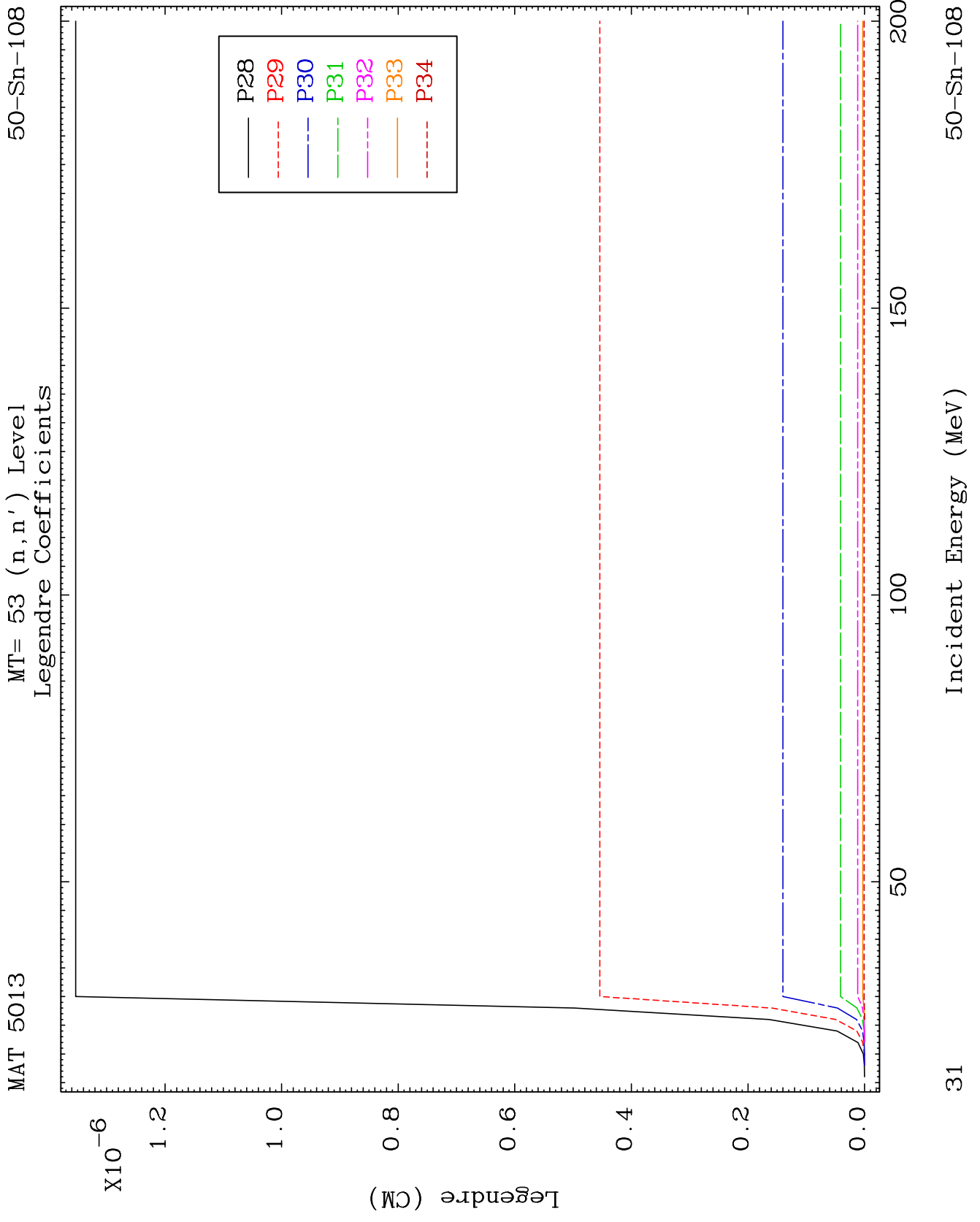


29

Incident Energy (MeV)

50-Sn-108

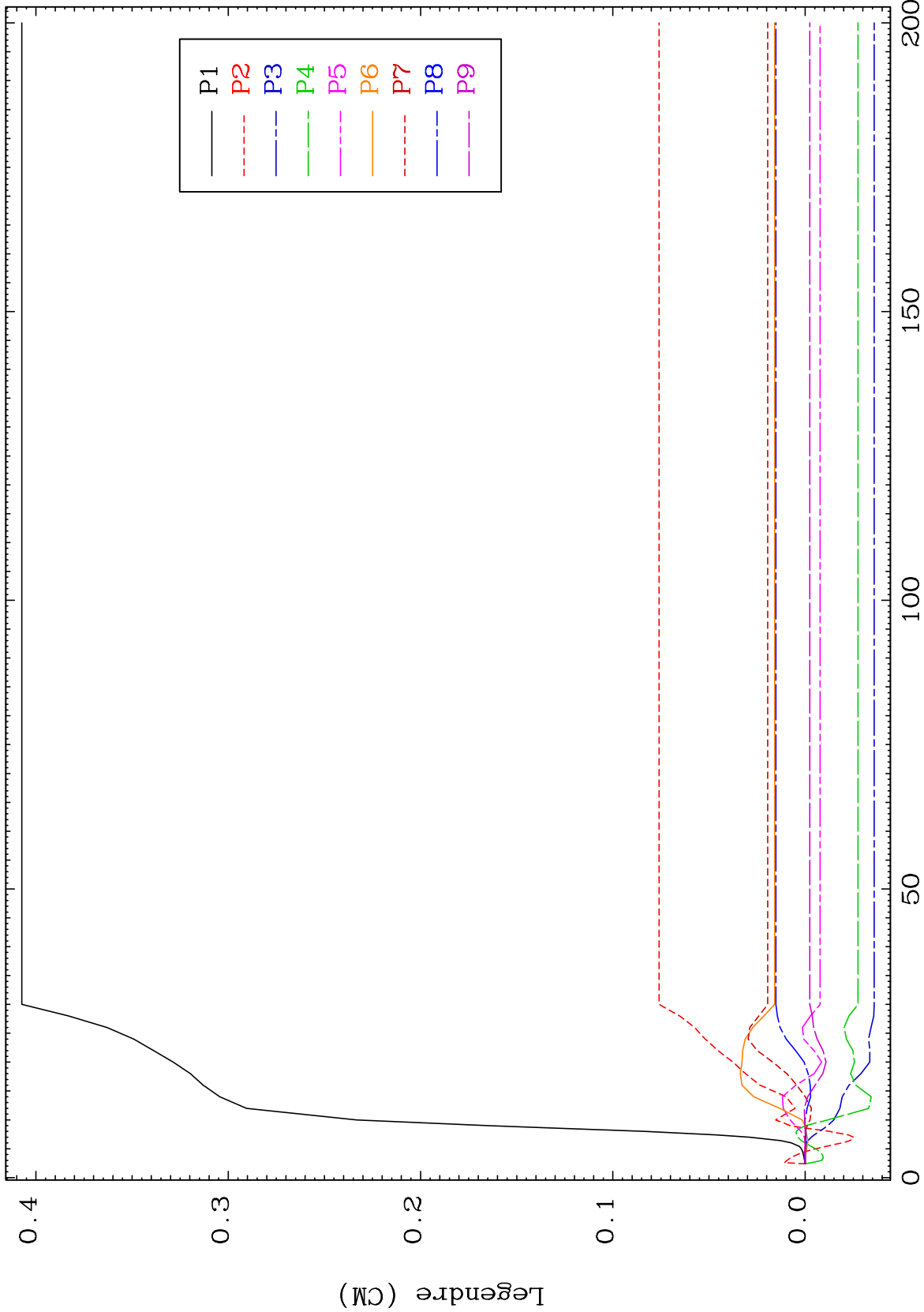




MAT 5013

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

50-Sn-108



32

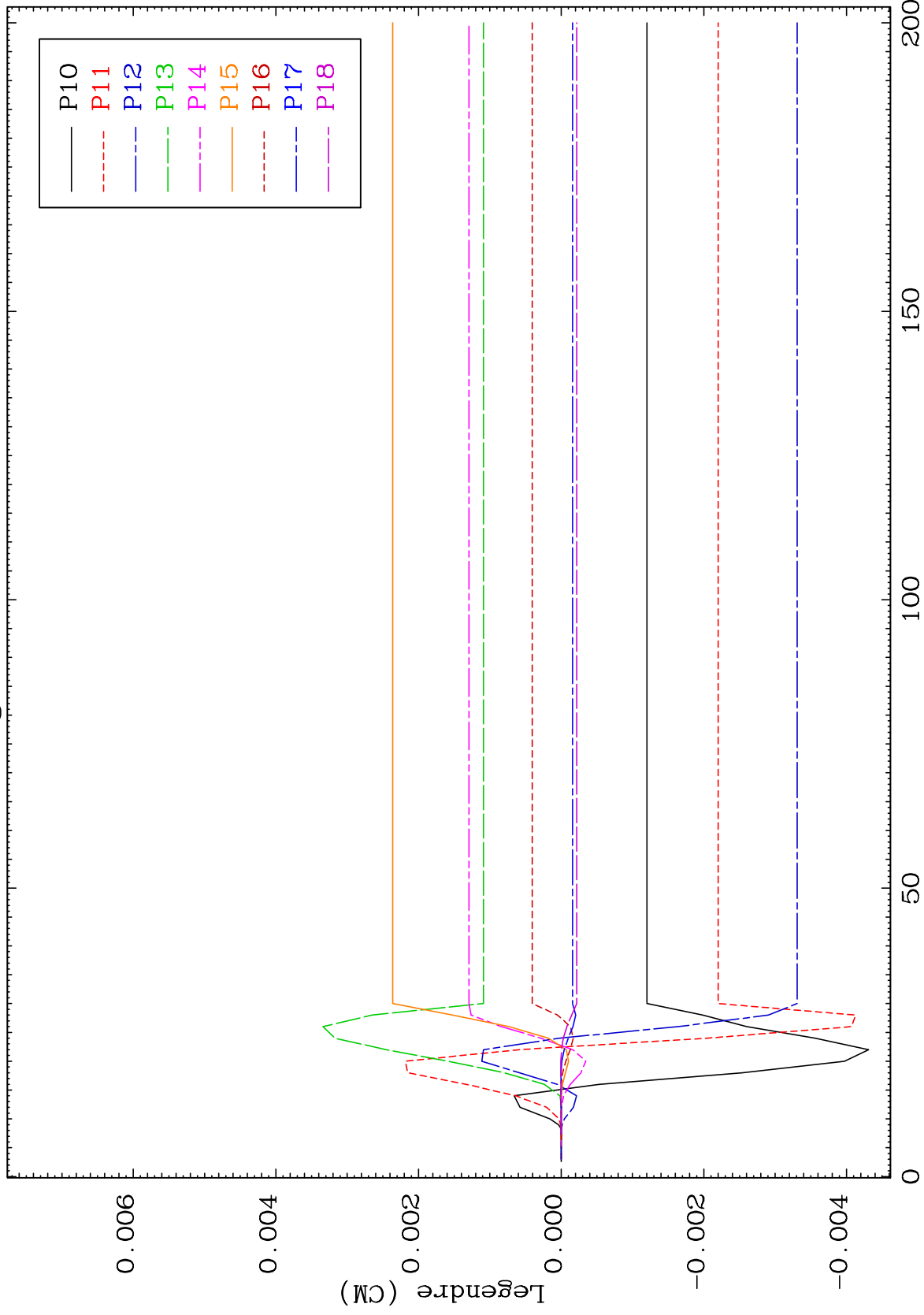
Incident Energy (MeV)

50-Sn-108

MAT 5013

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

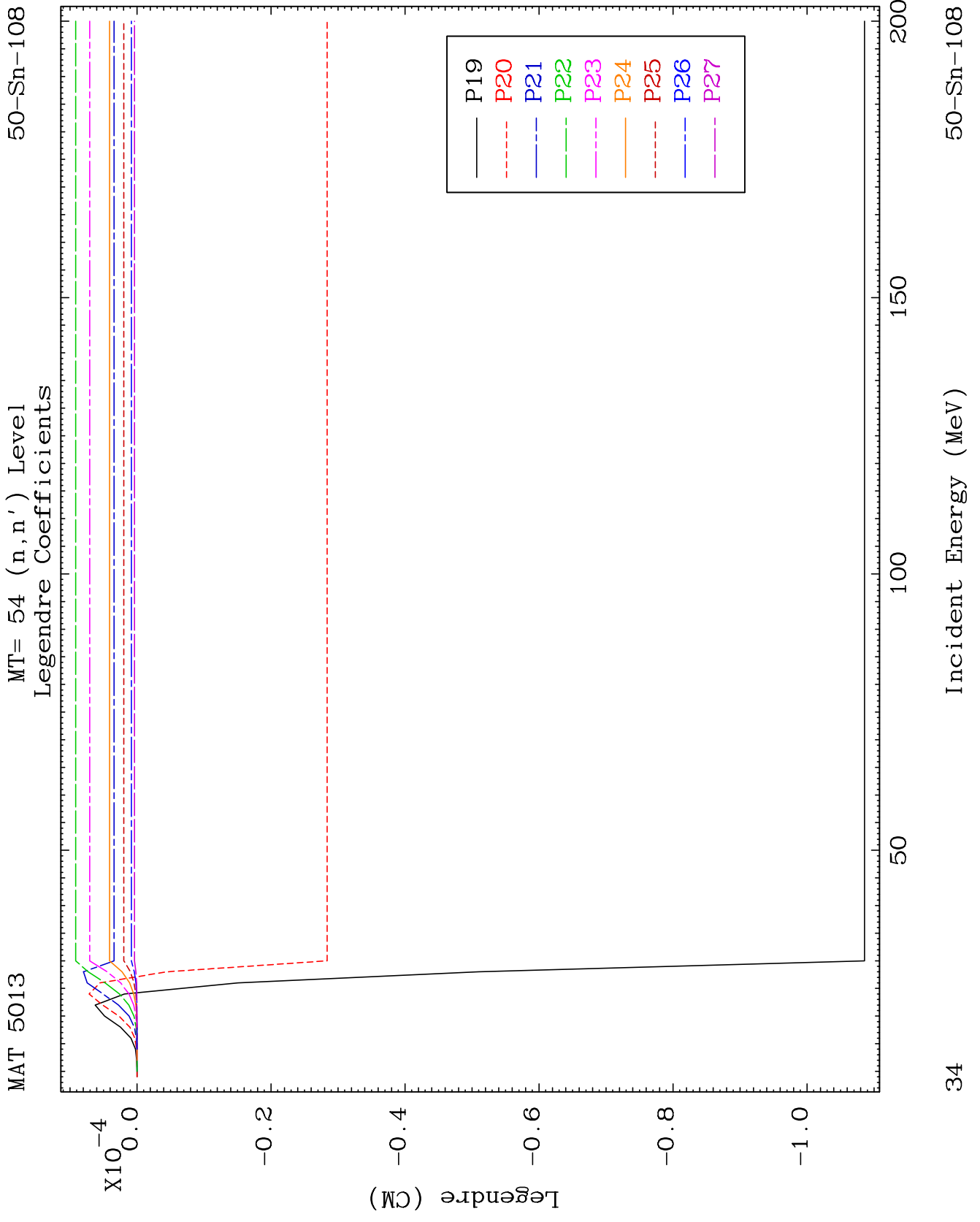
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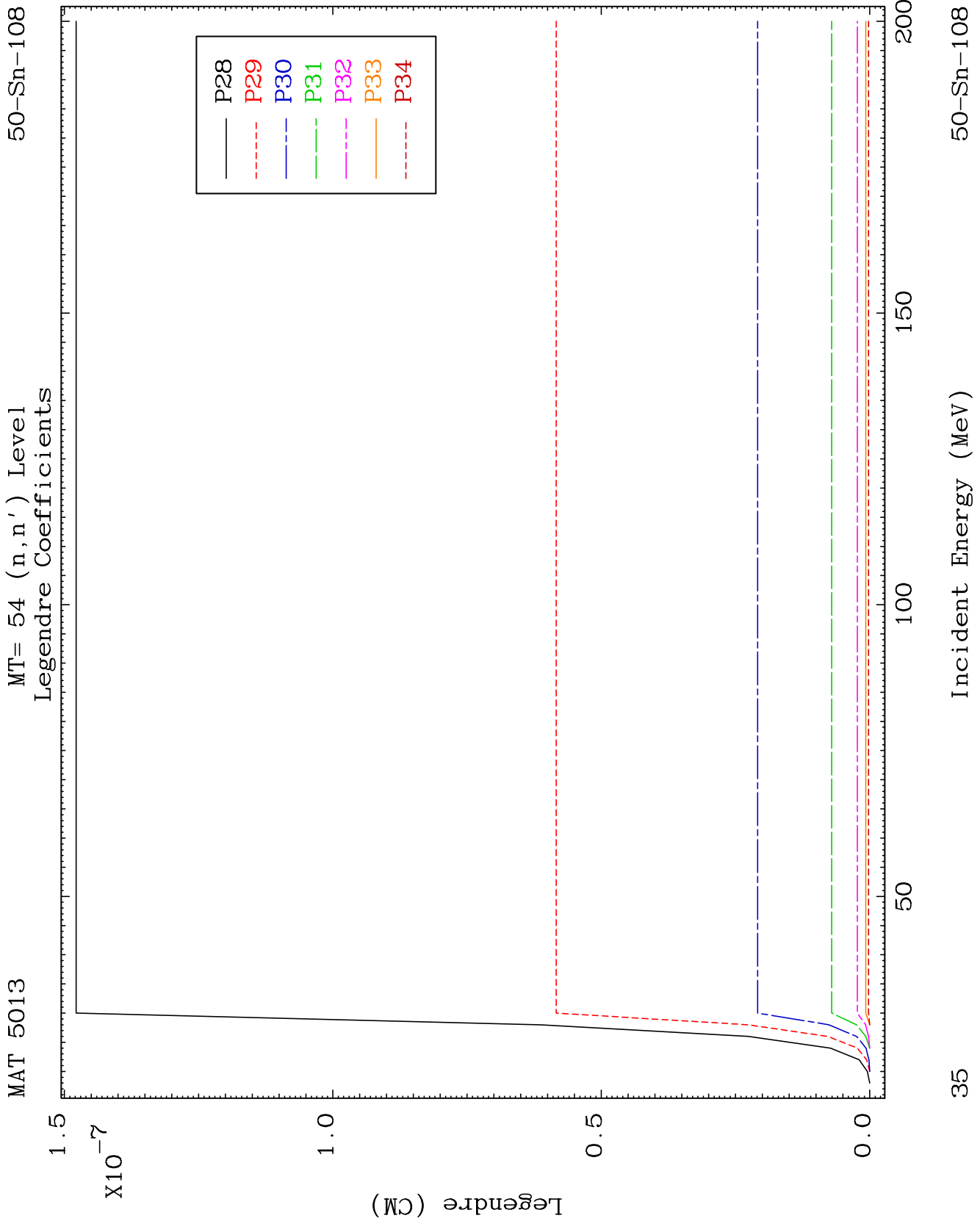


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Incident Energy (MeV)

50-Sn-108

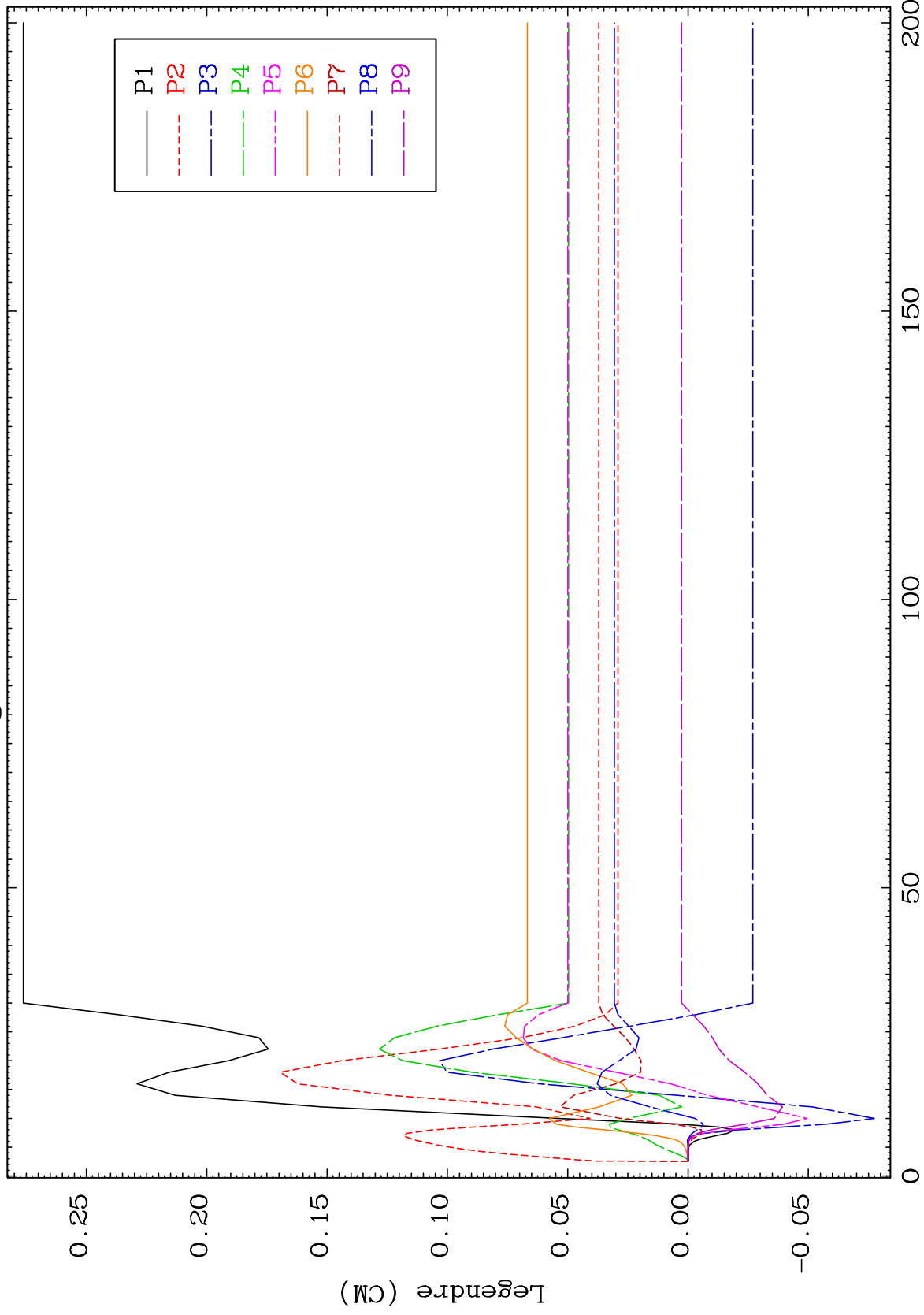




MAT 5013

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

50-Sn-108



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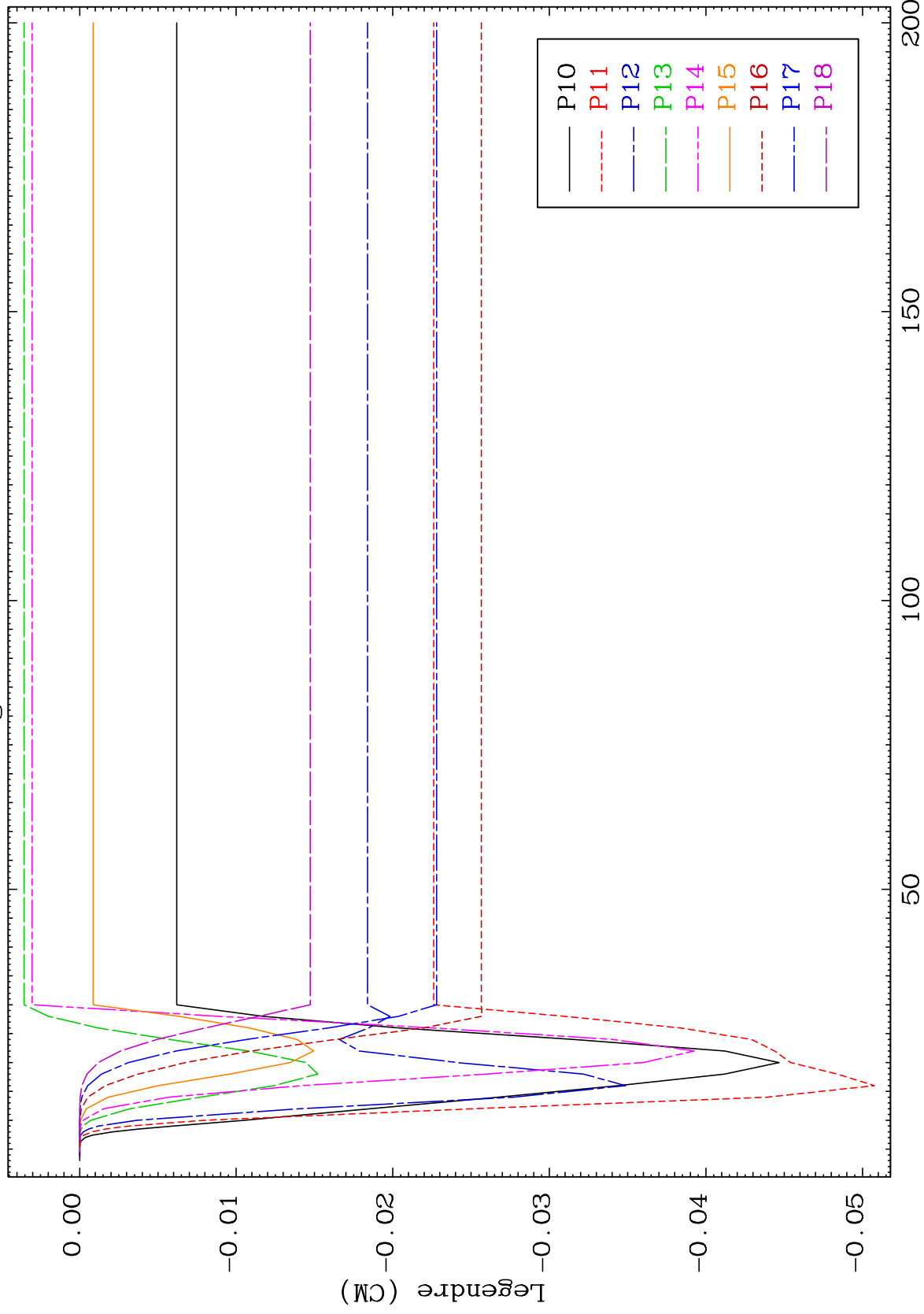
Incident Energy (MeV)

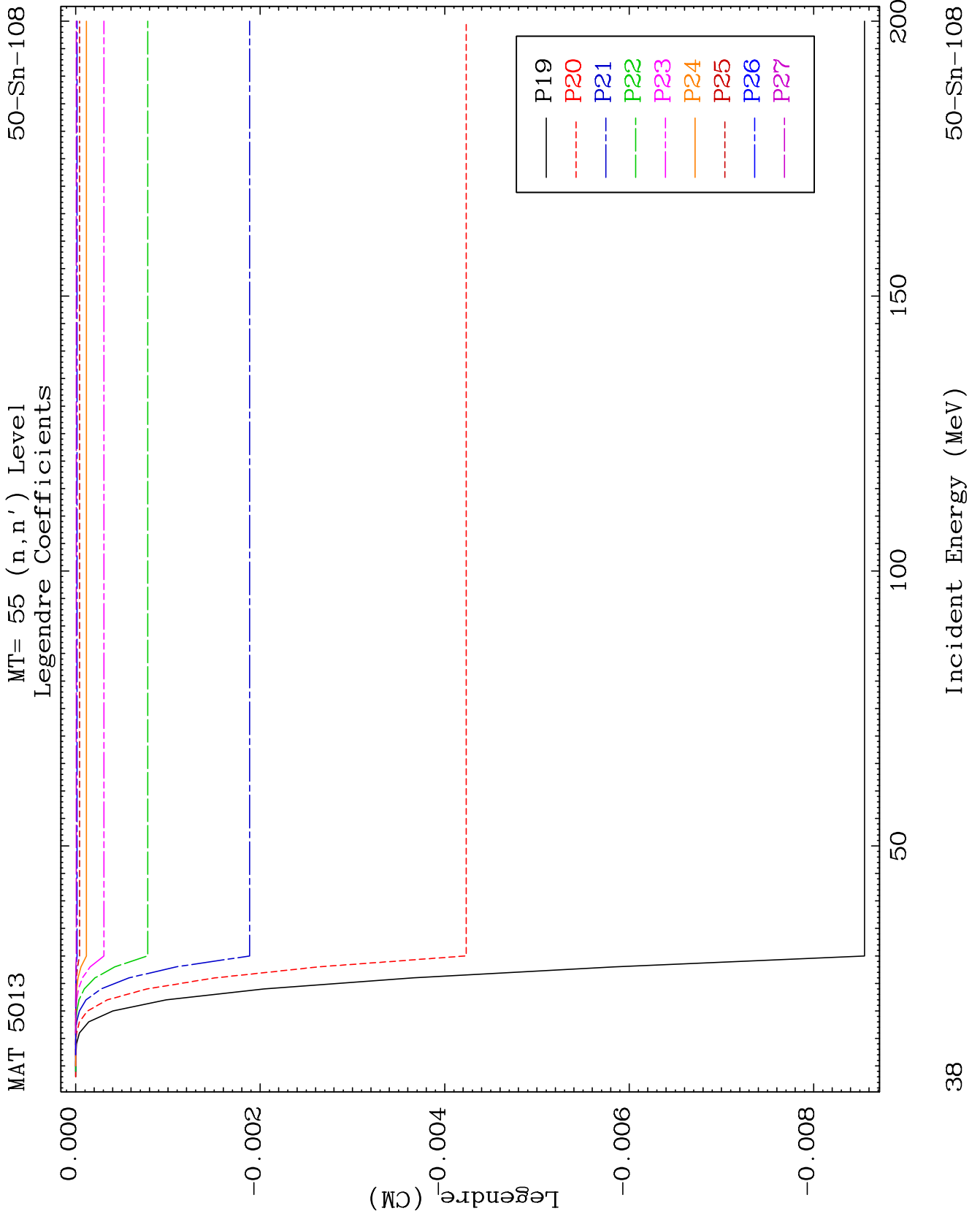
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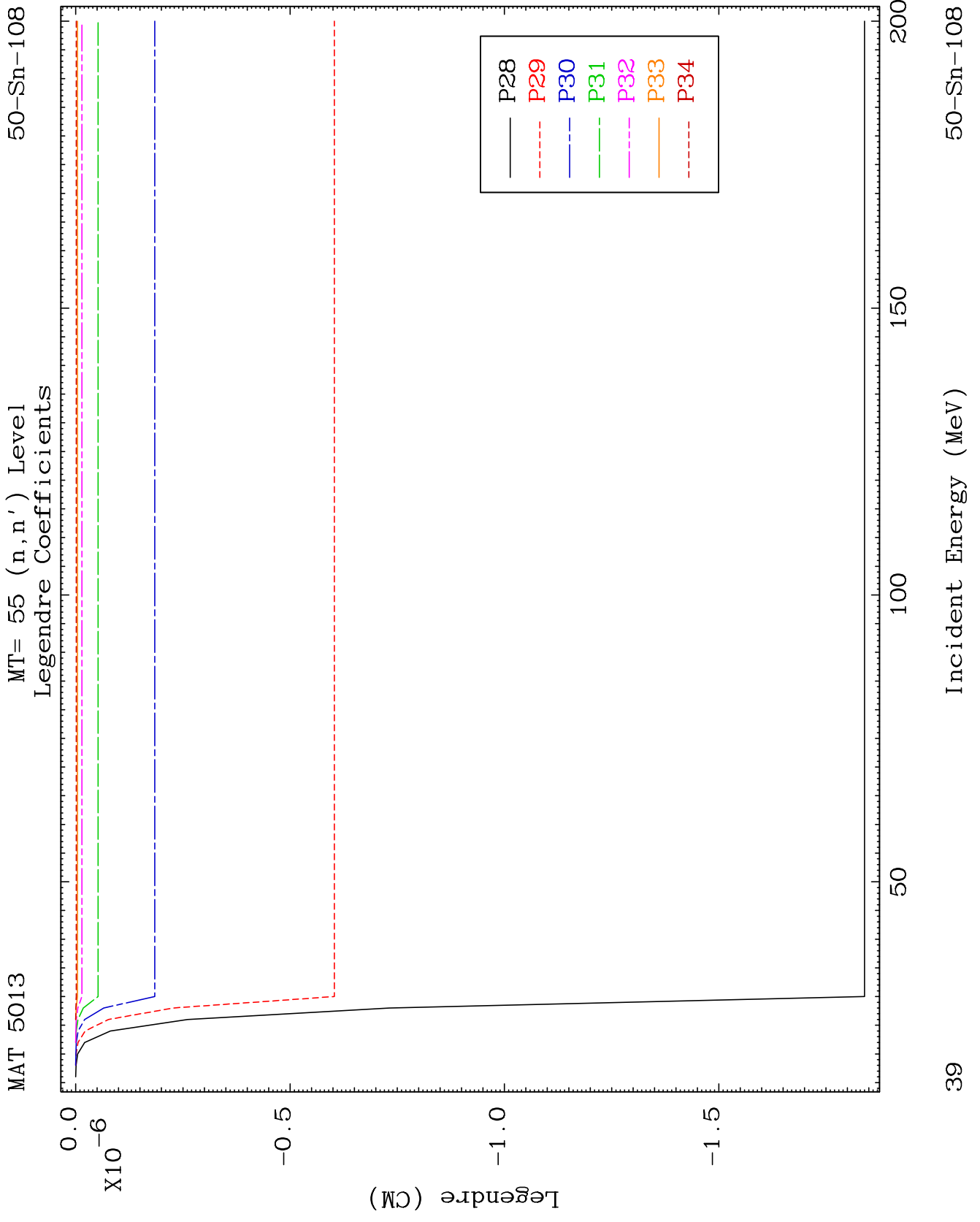
MAT 5013

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

50-Sn-108



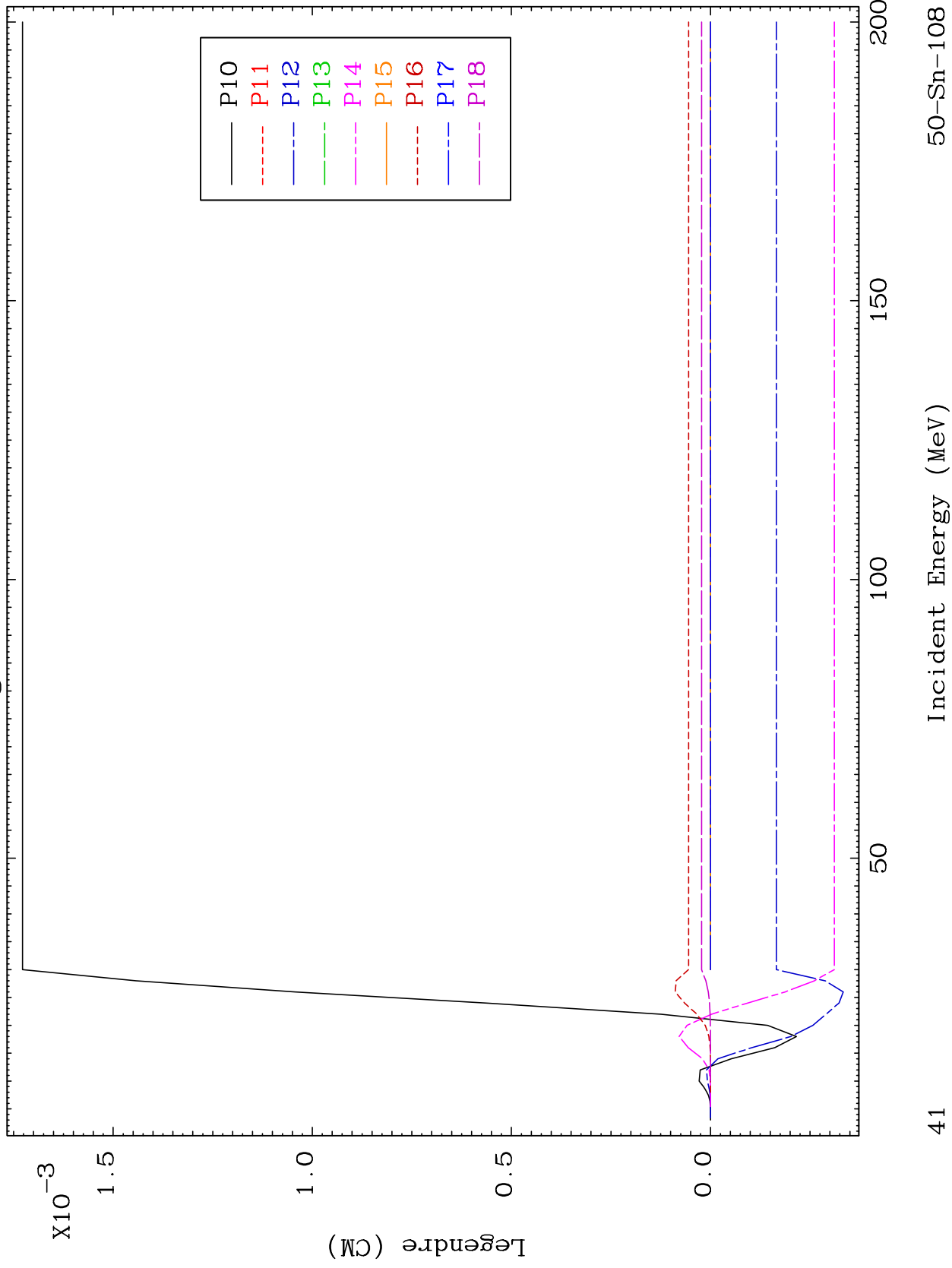


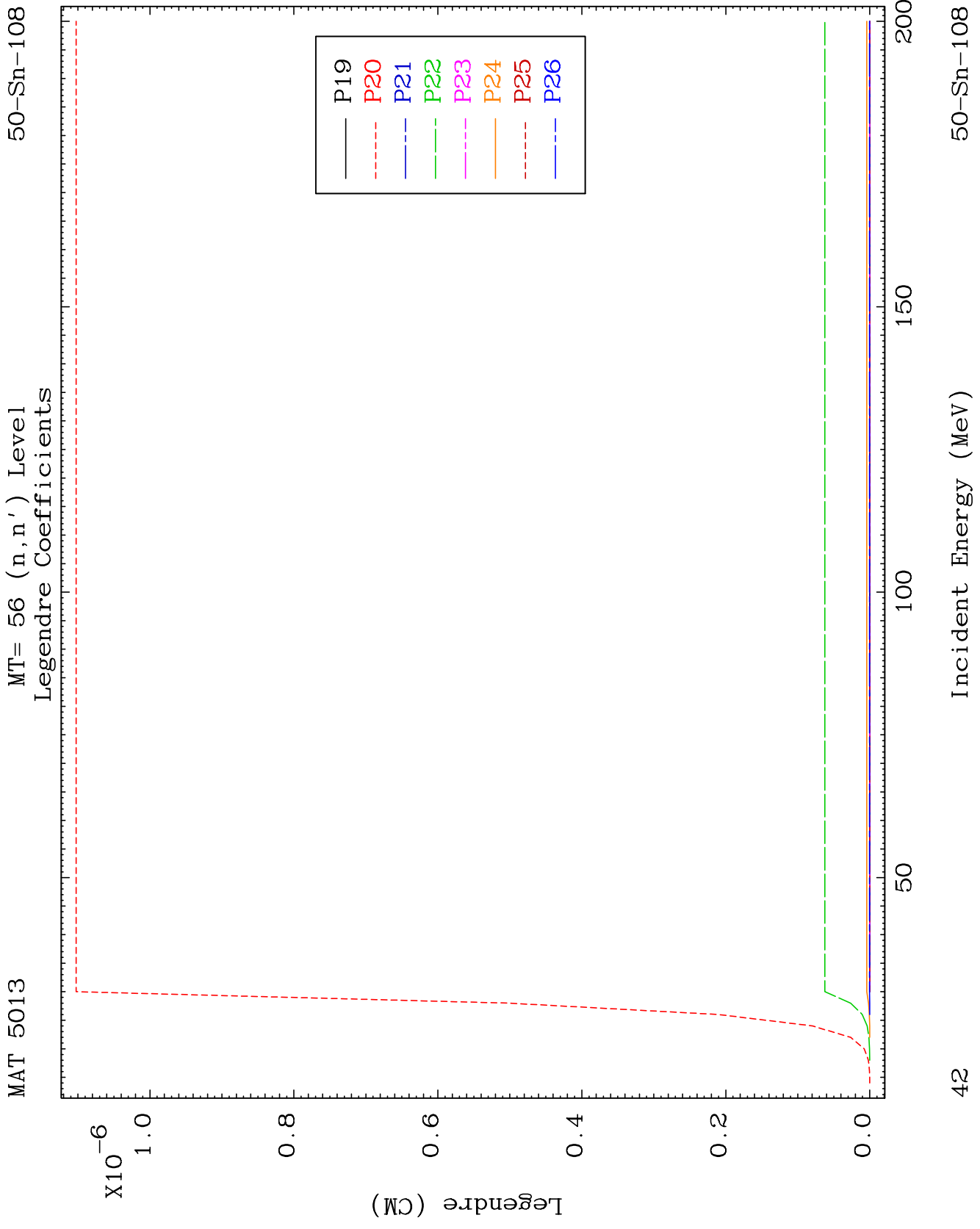


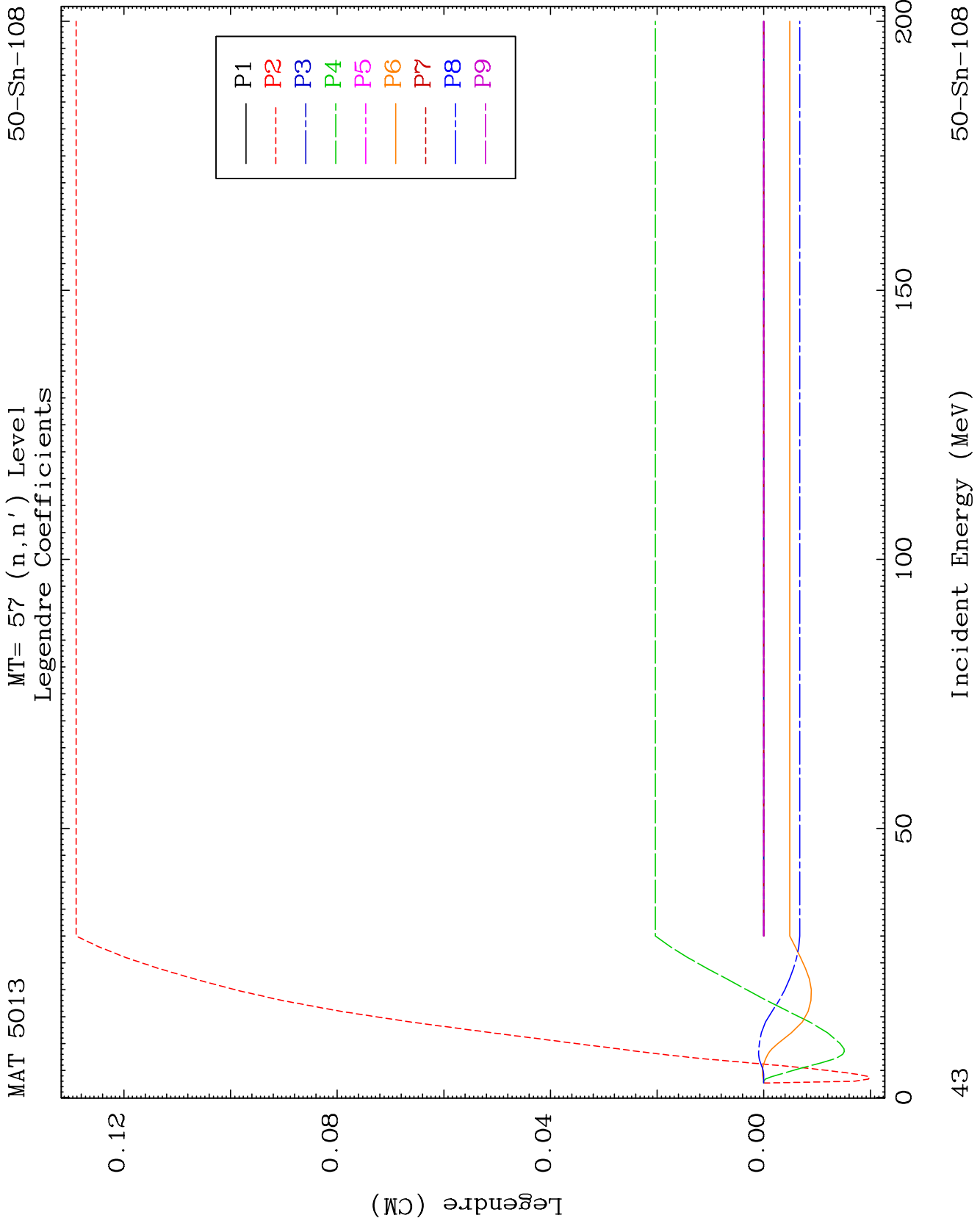
MAT 5013

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

50-Sn-108



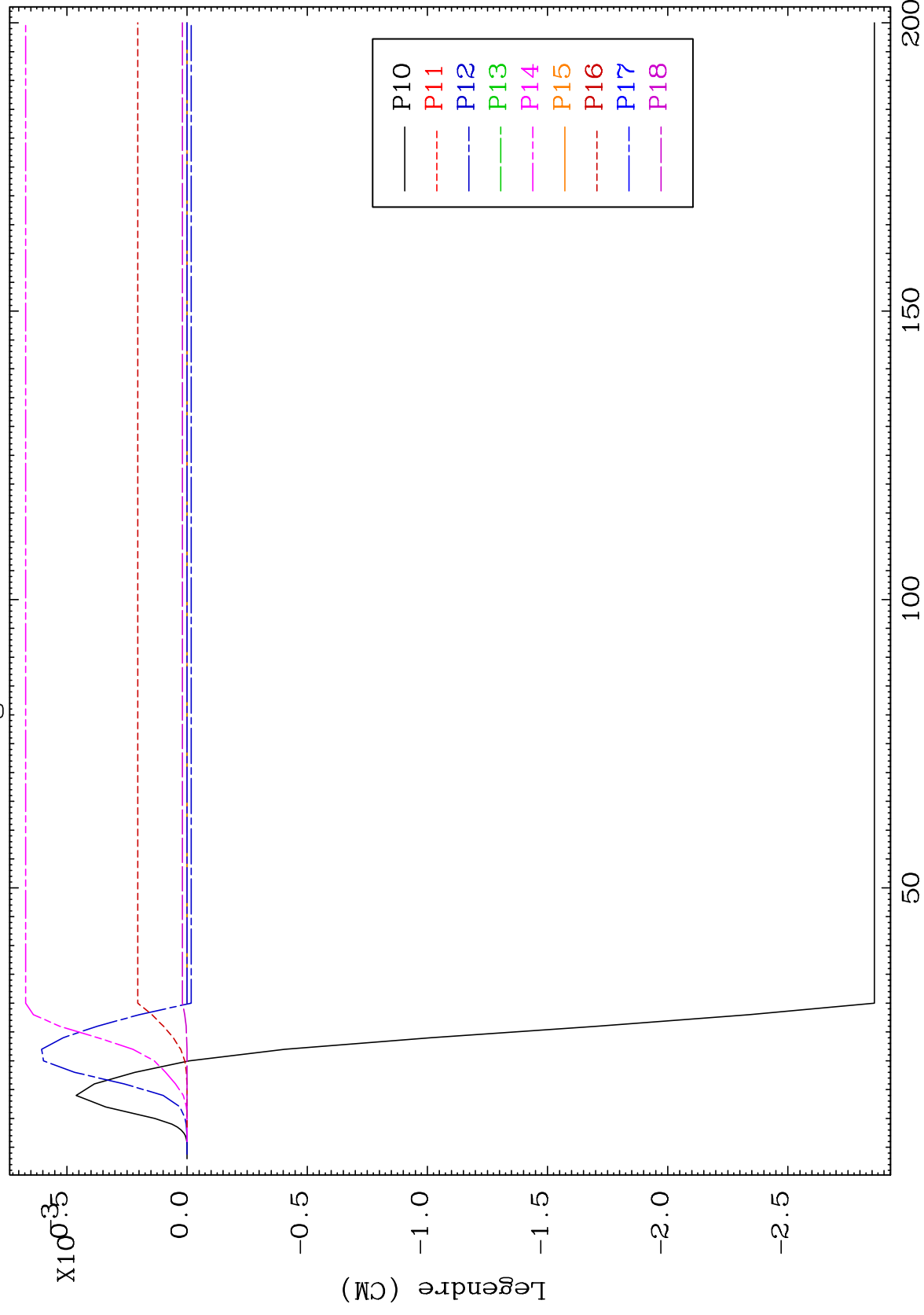


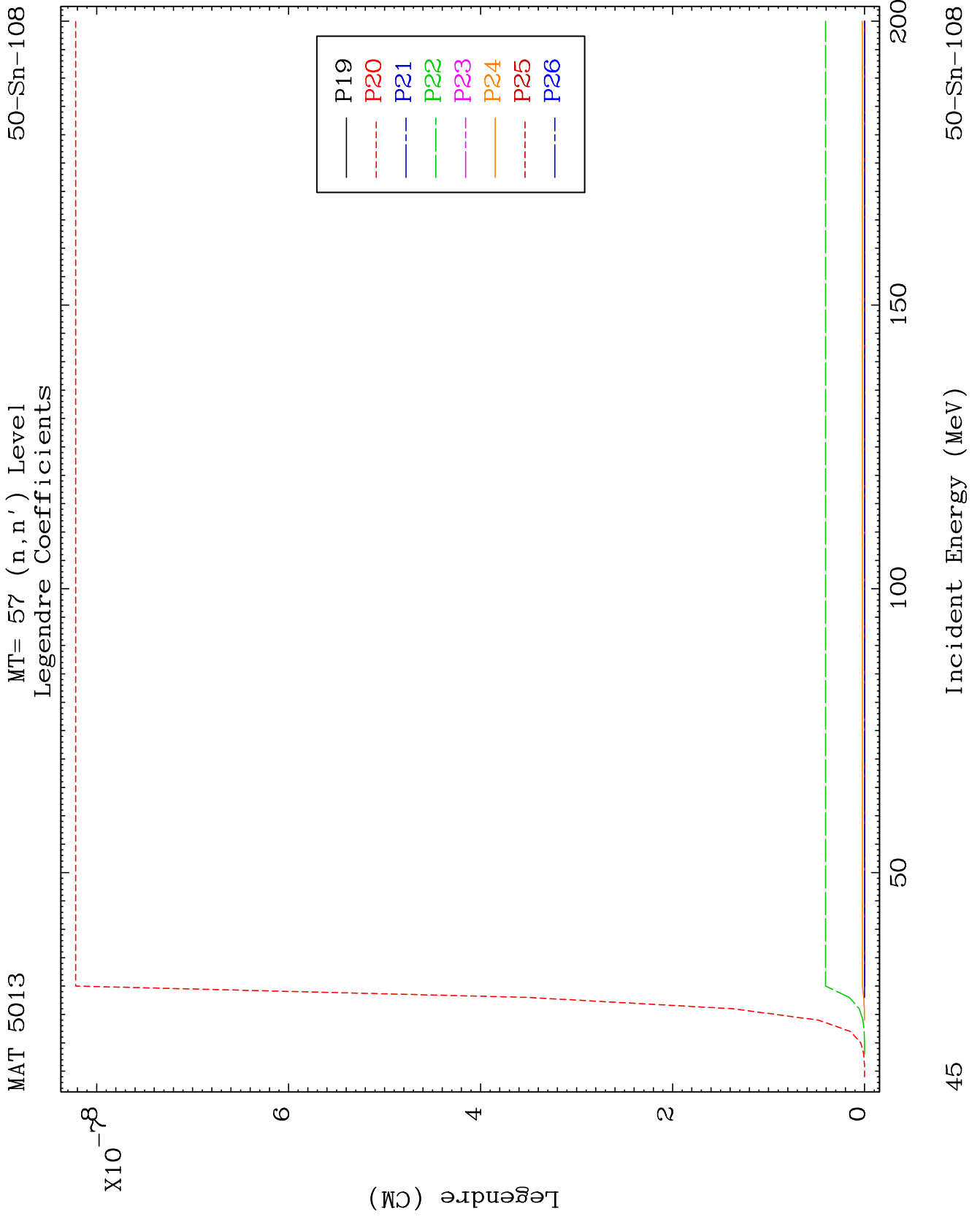


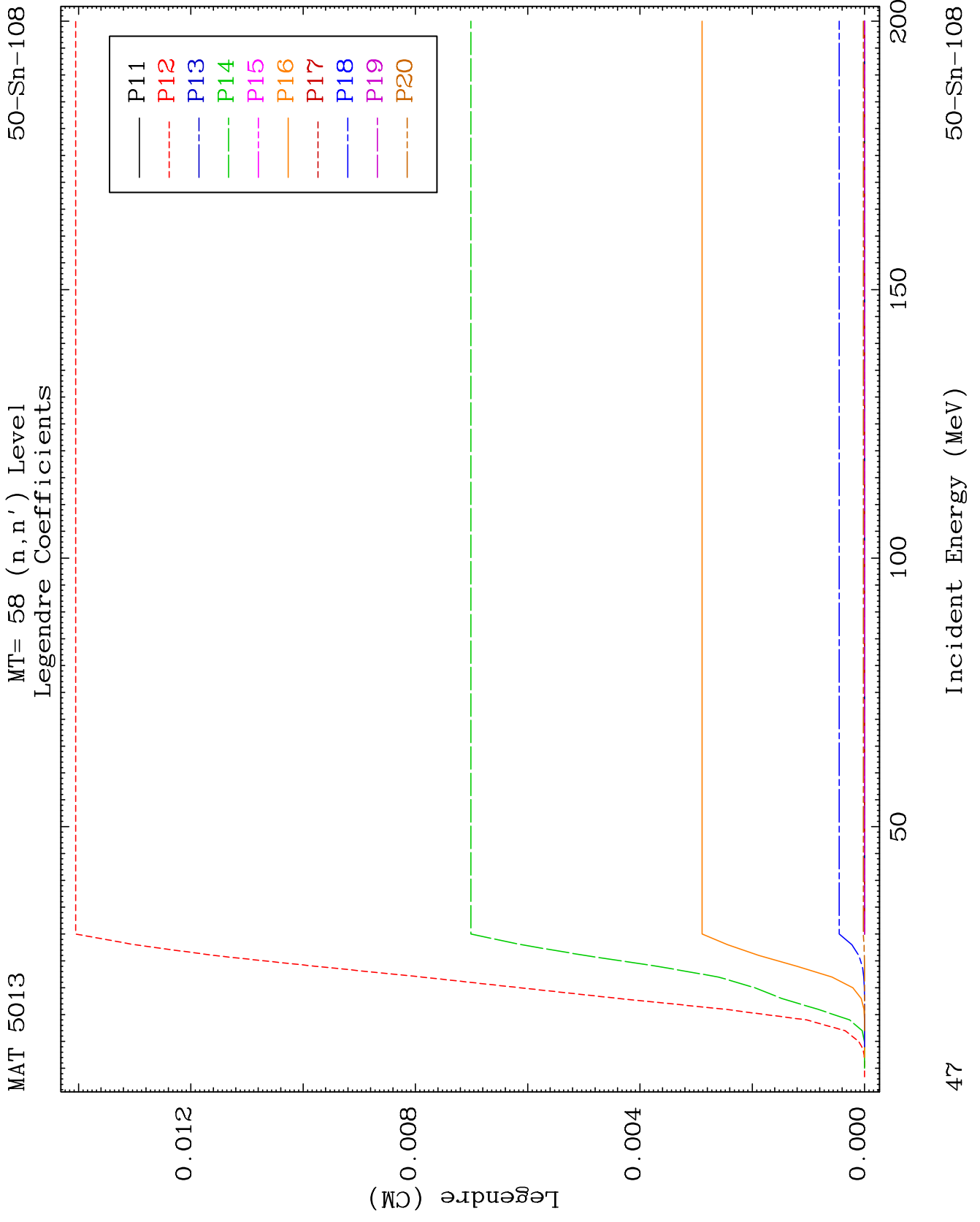
MAT 5013

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

50-Sn-108



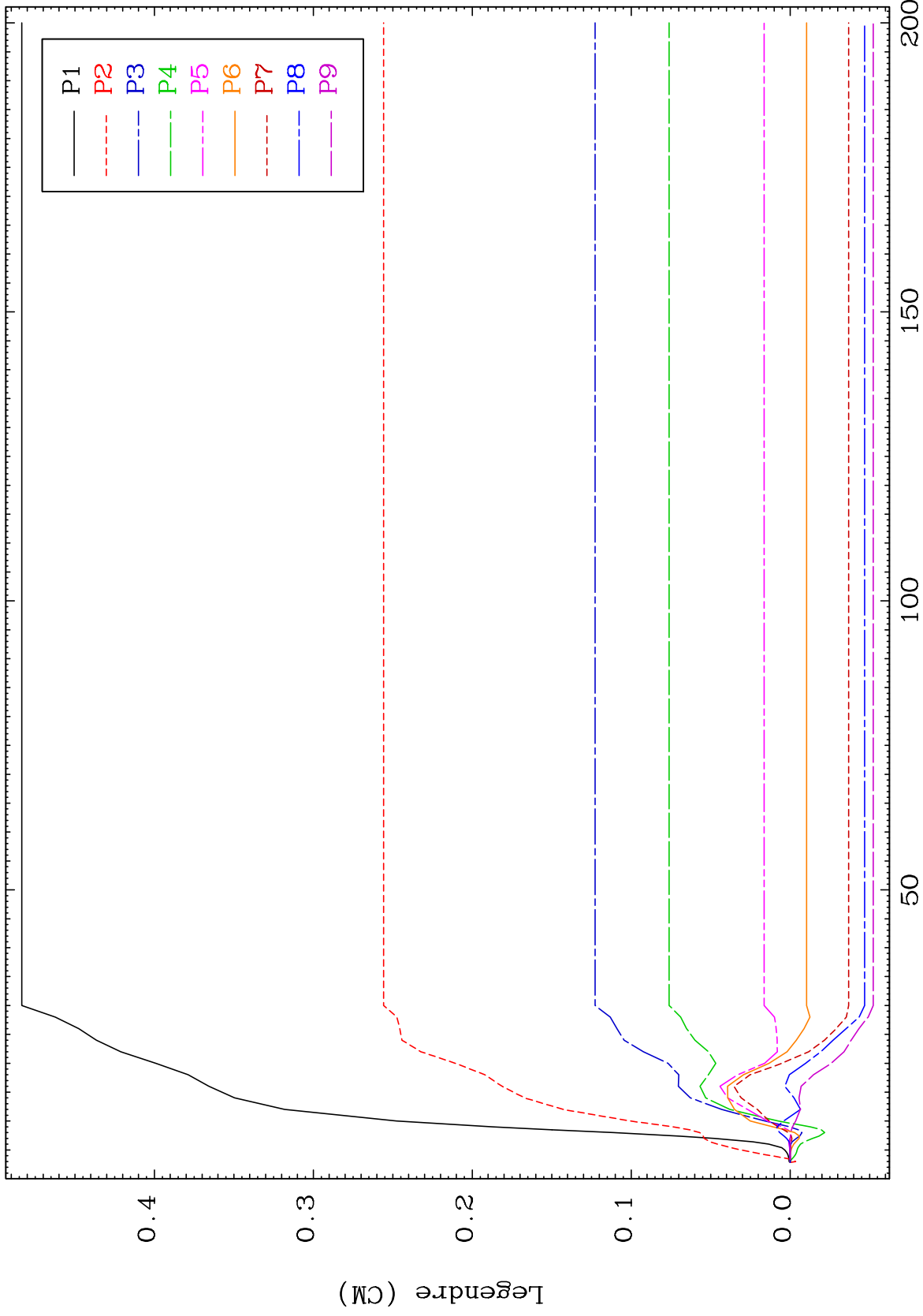




MAT 5013

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

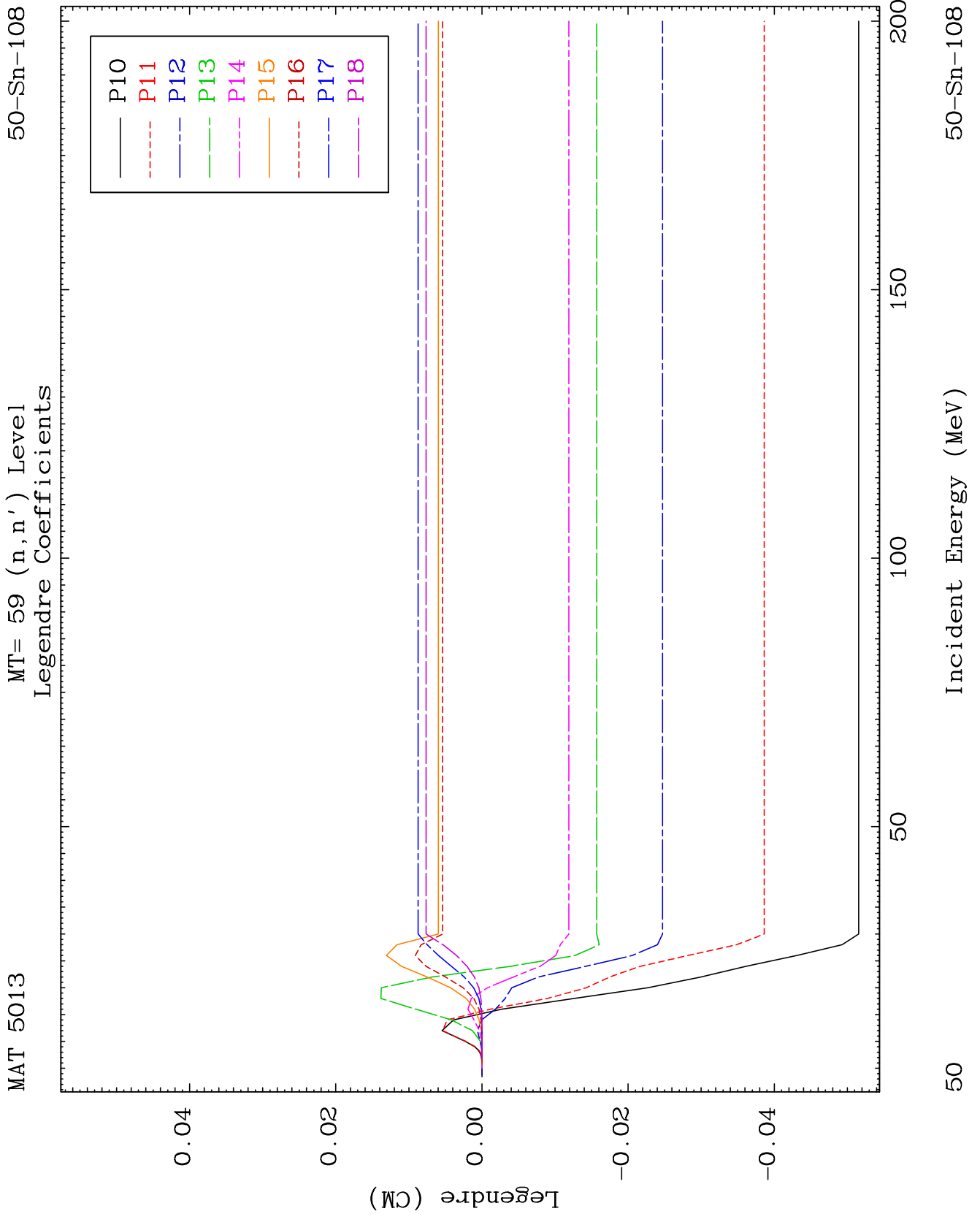
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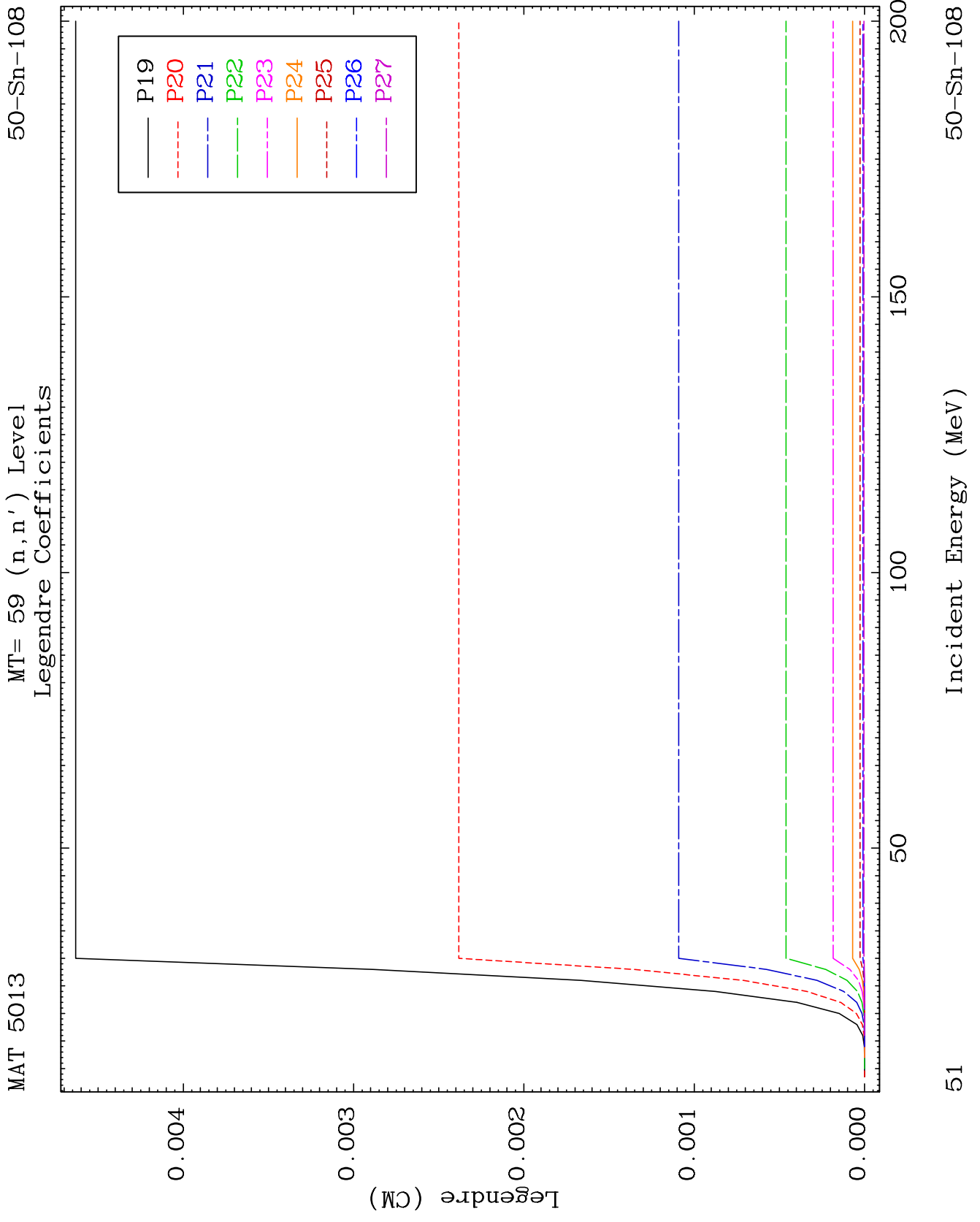


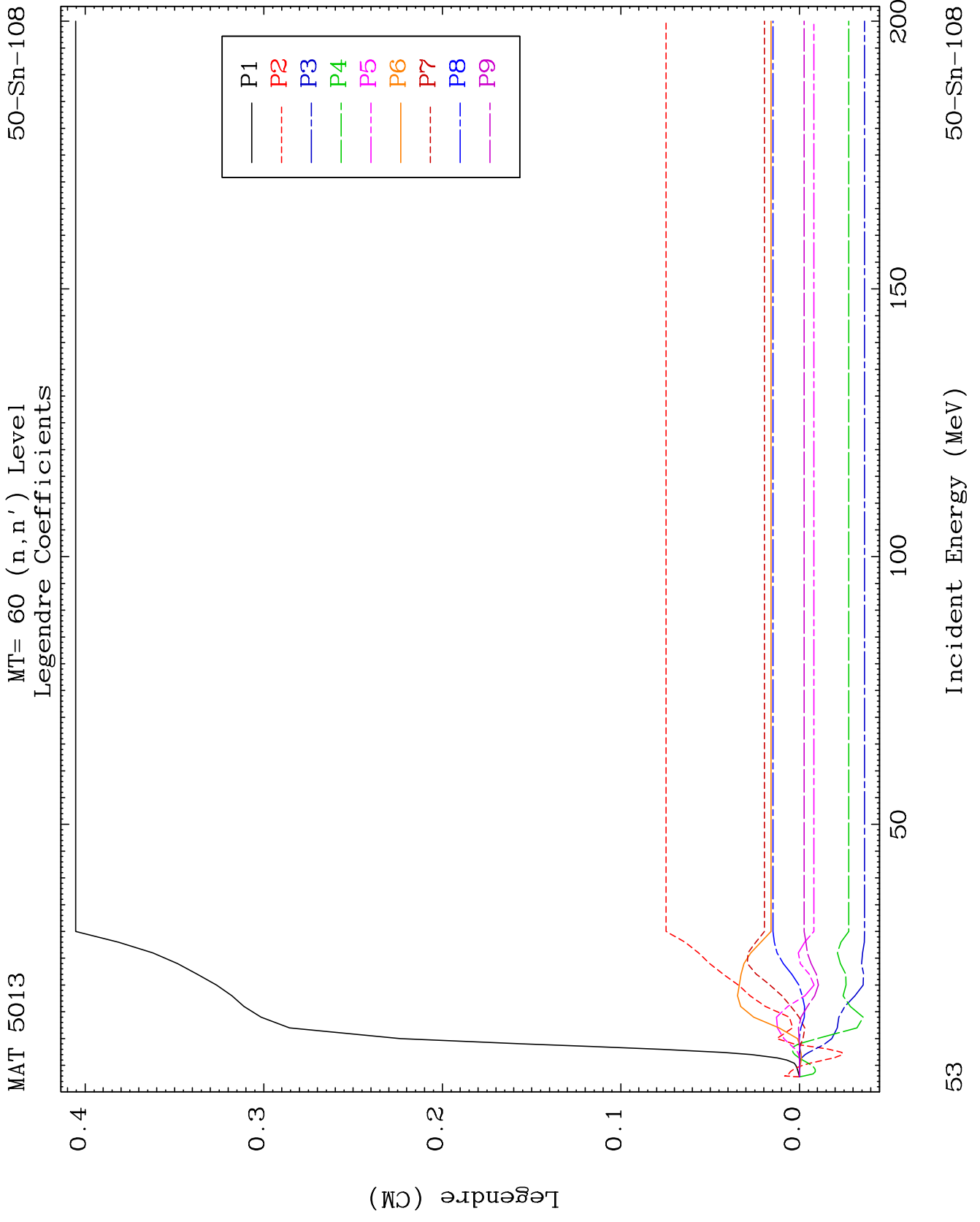
49

Incident Energy (MeV)

50-Sn-108



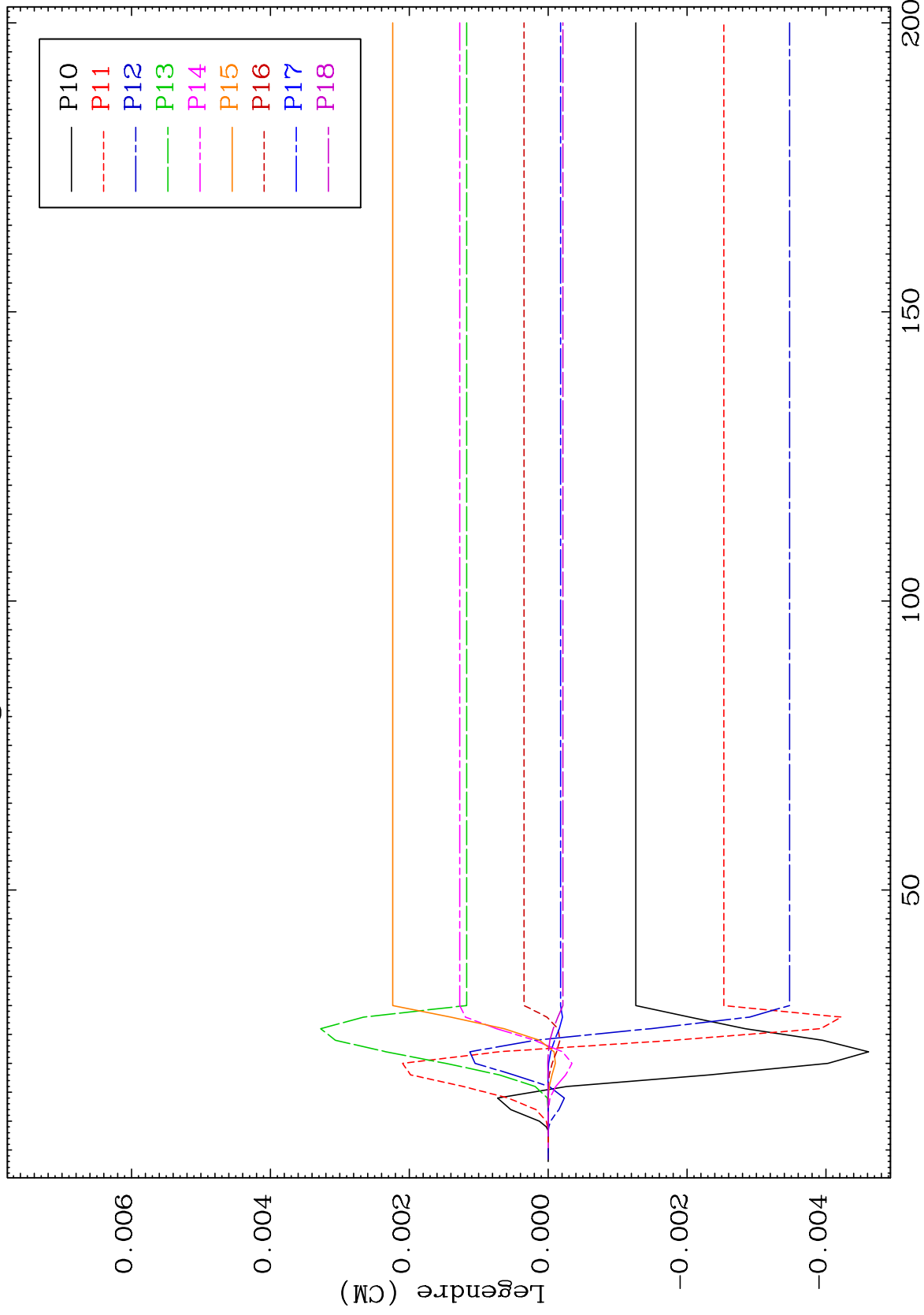




MAT 5013

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

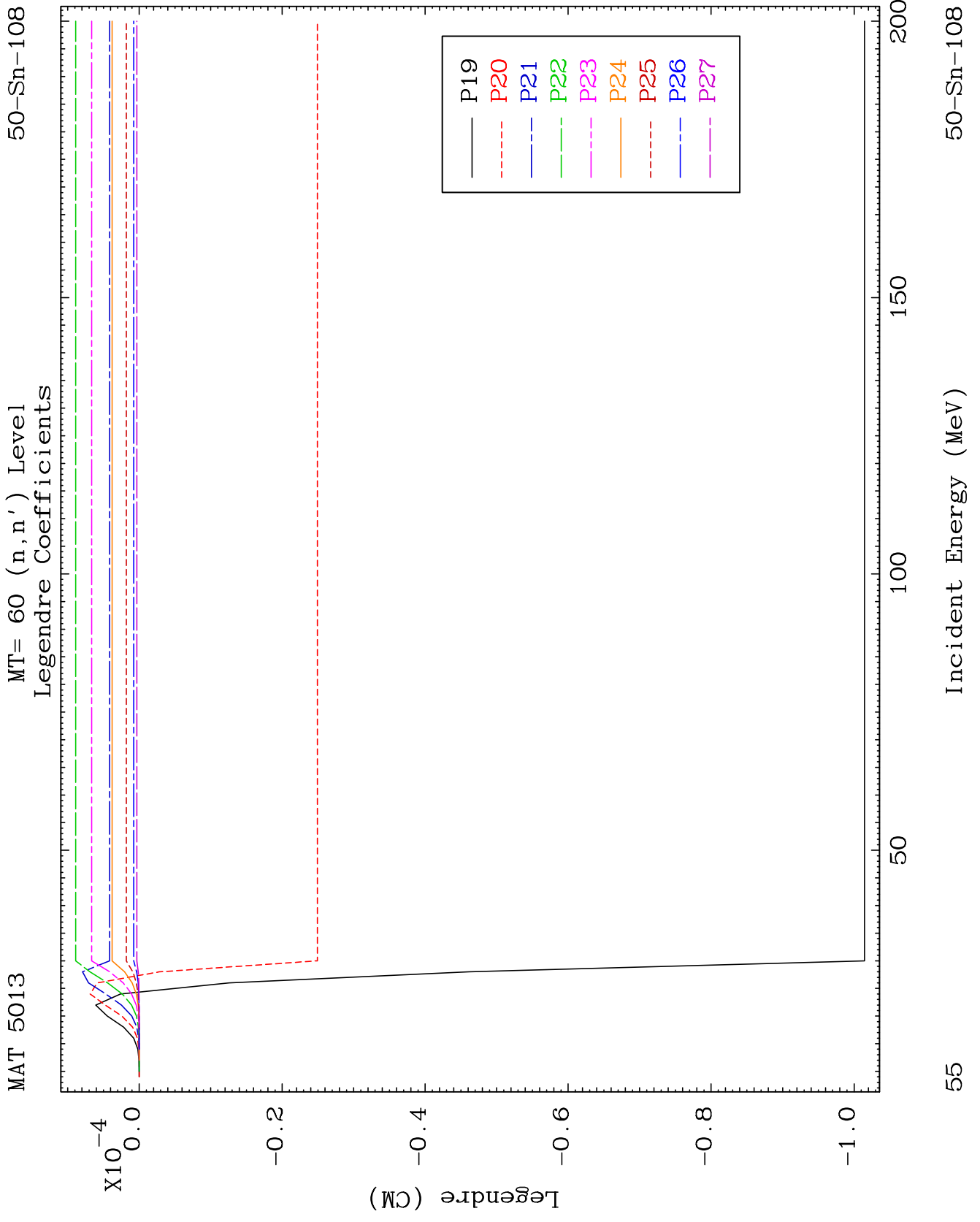
50-Sn-108



54

Incident Energy (MeV)

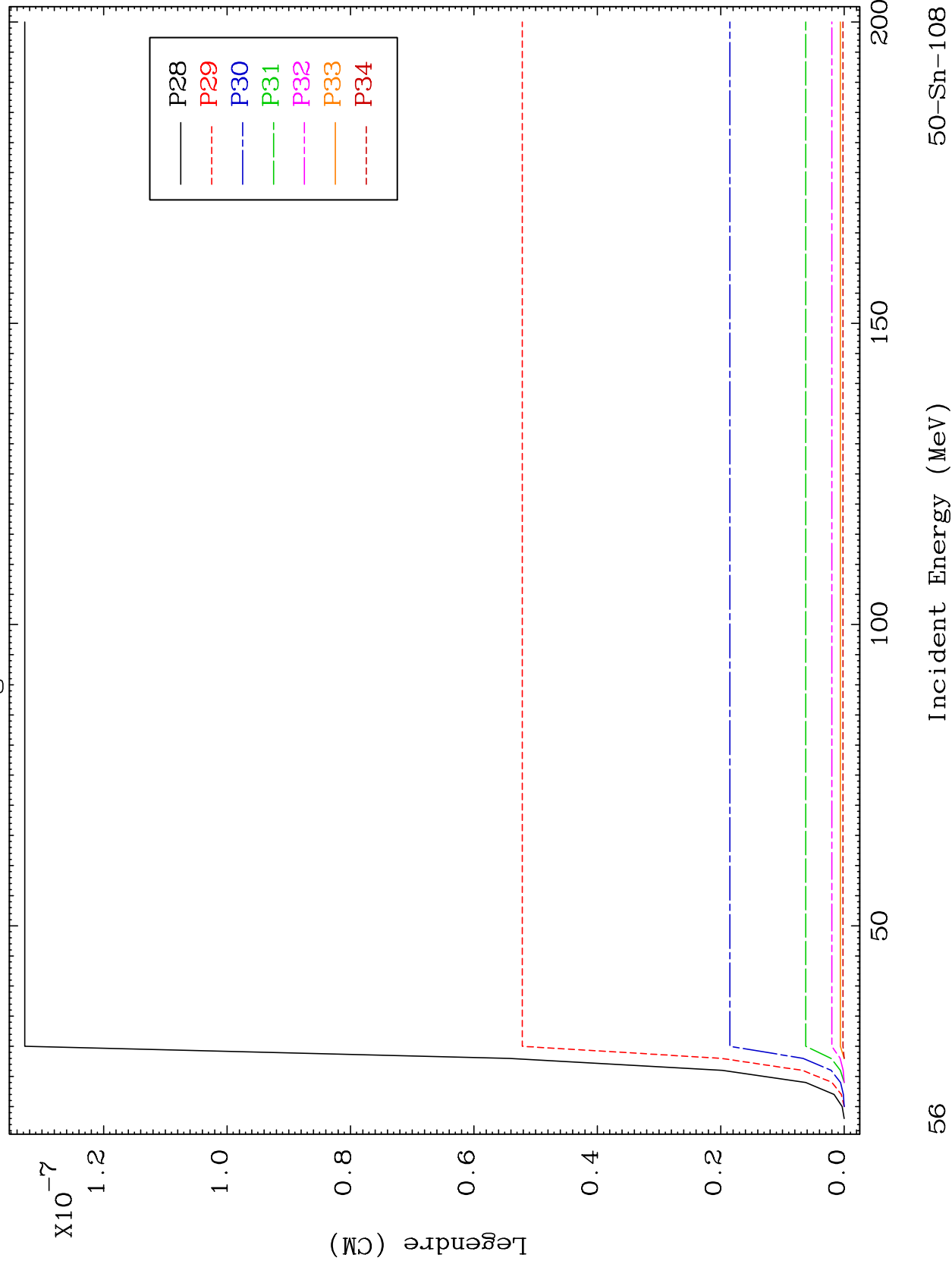
50-Sn-108



MAT 5013

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

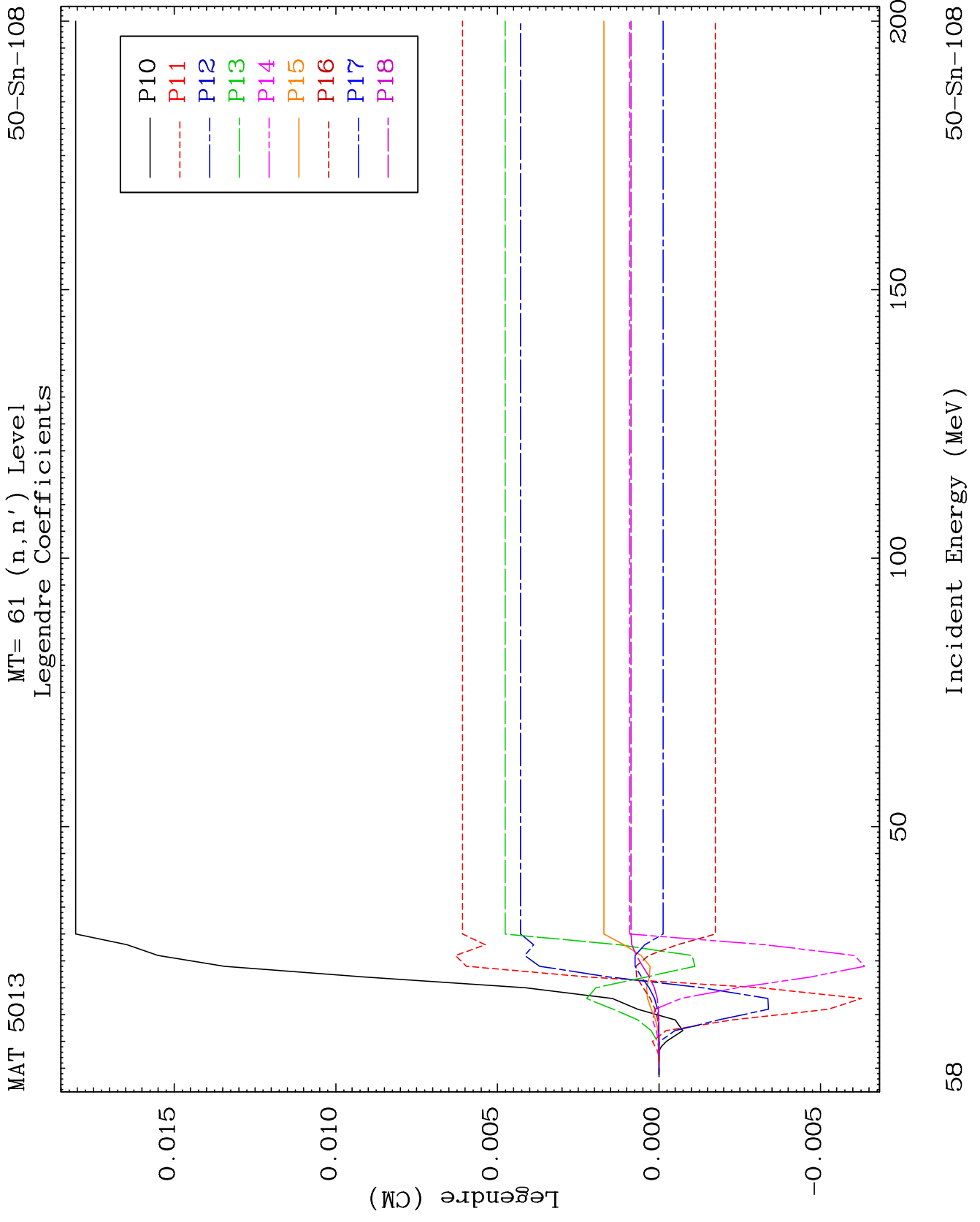
50-Sn-108



56

Incident Energy (MeV)

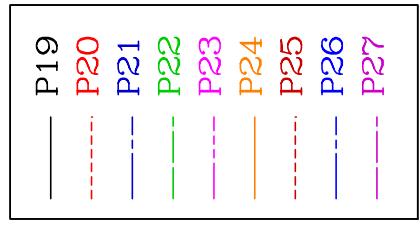
50-Sn-108



MAT 5013

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

50-Sn-108



$\times 10^{-3}$

Legendre (CM)

1.0

0.5

0.0

50

100

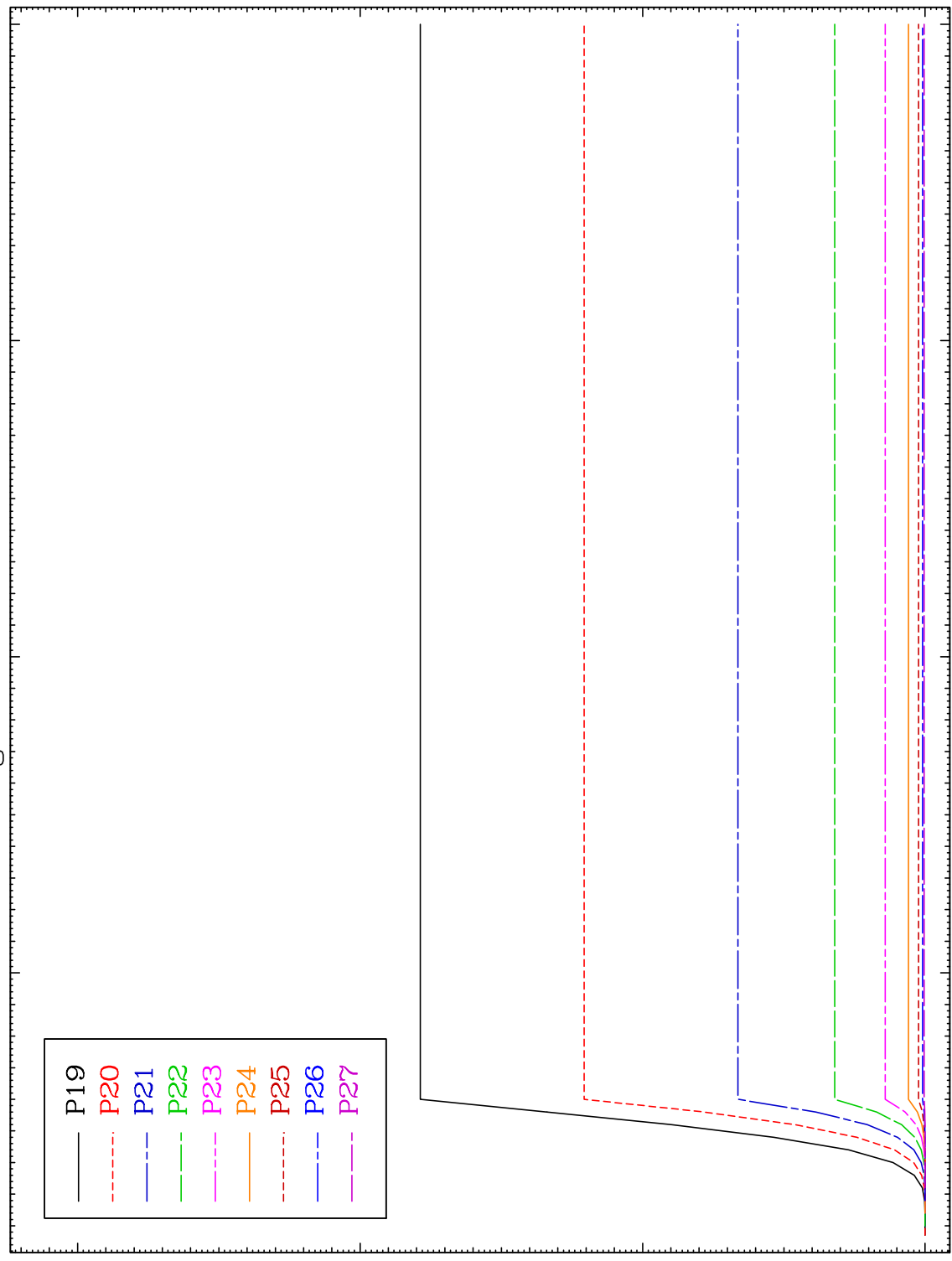
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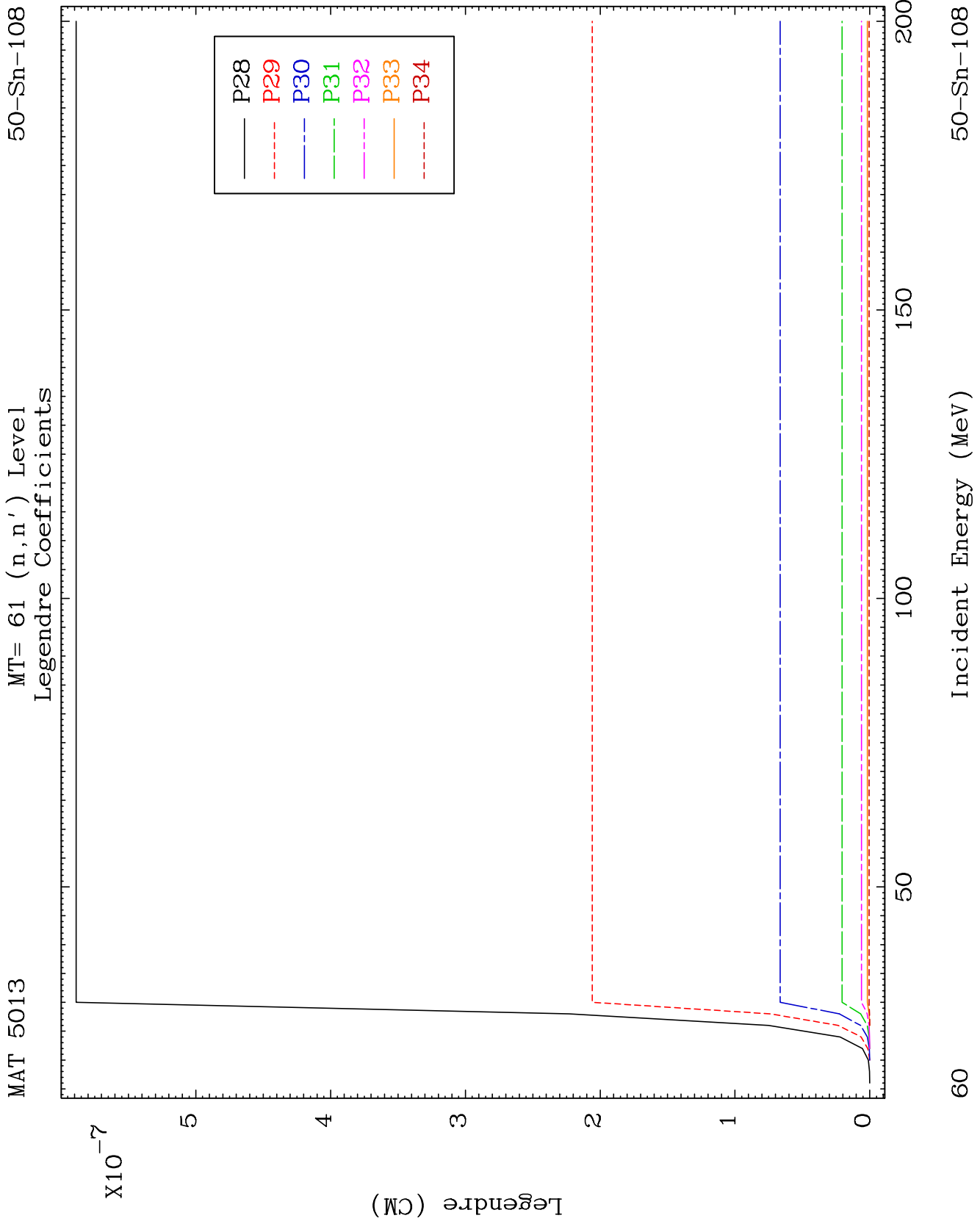
200

59

Incident Energy (MeV)

50-Sn-108

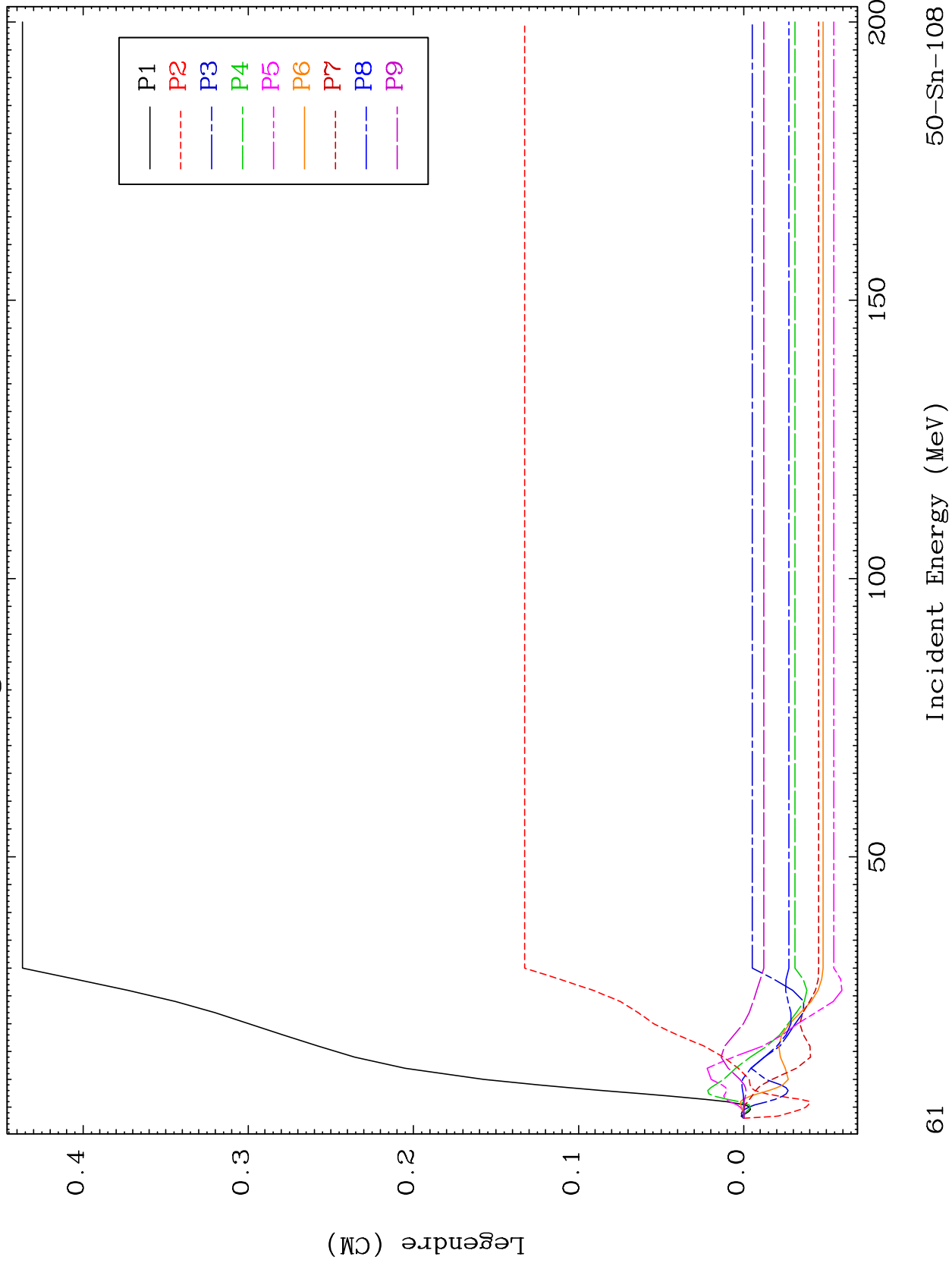




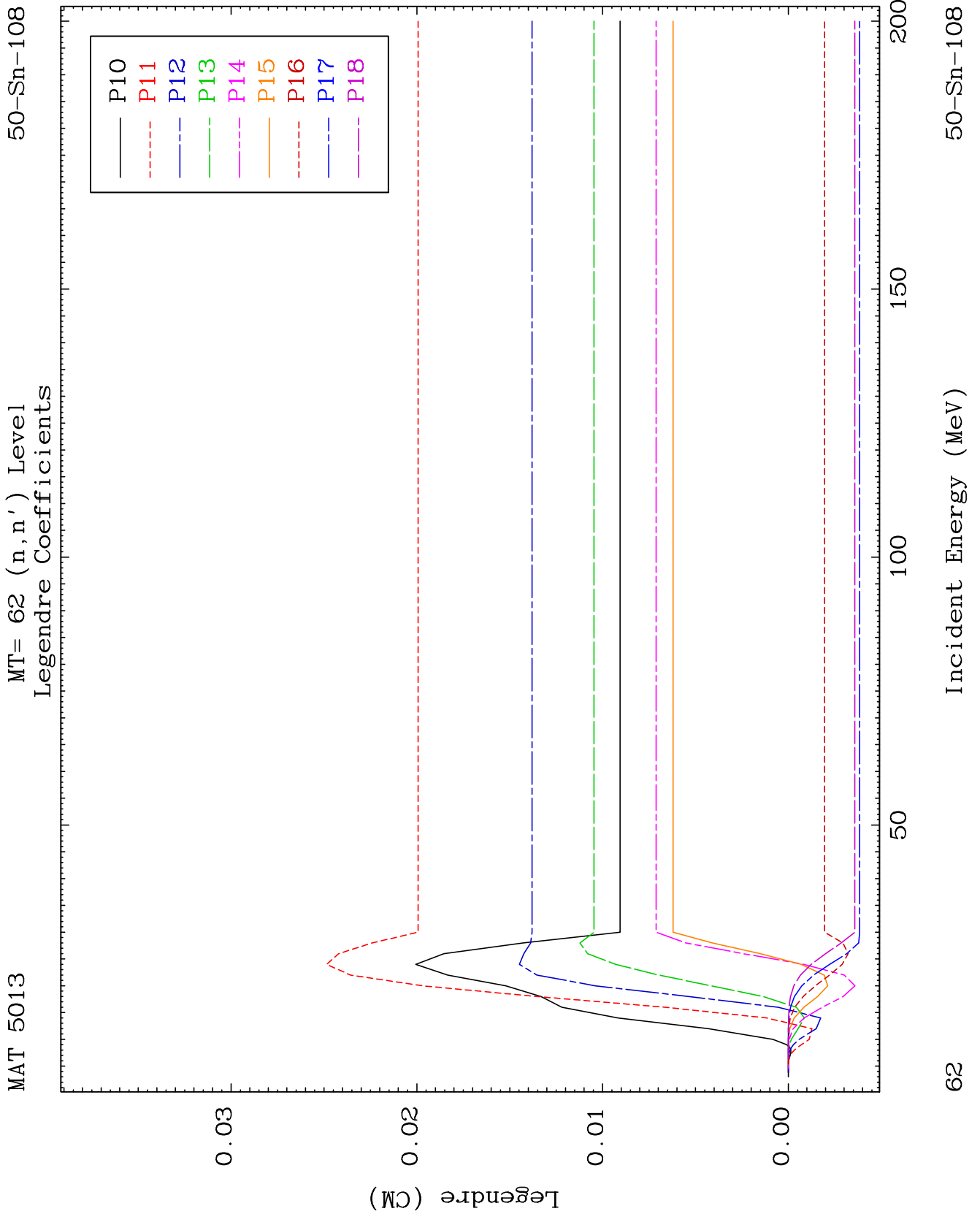
MAT 5013

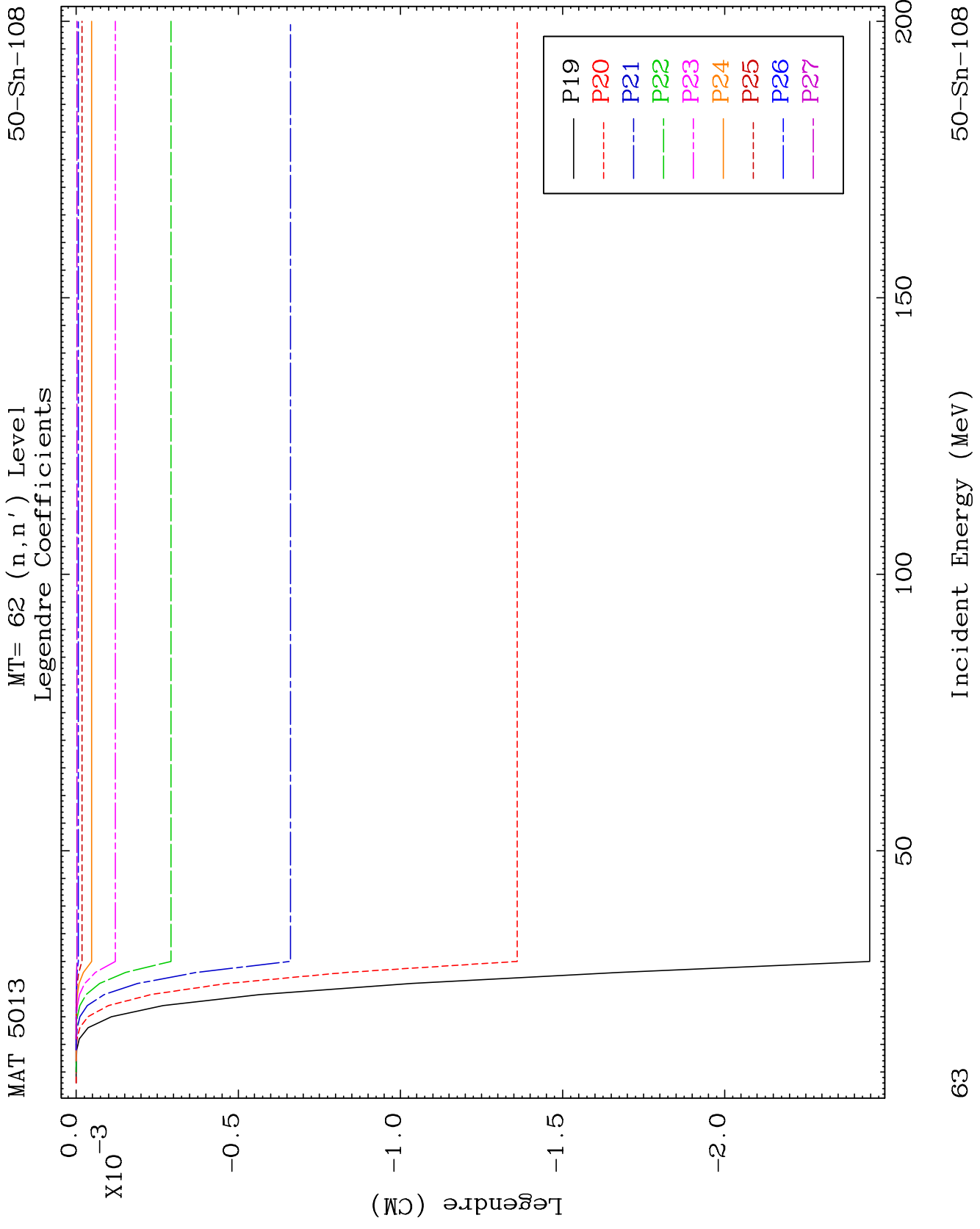
MT= 62 (n,n') Level
Legendre Coefficients

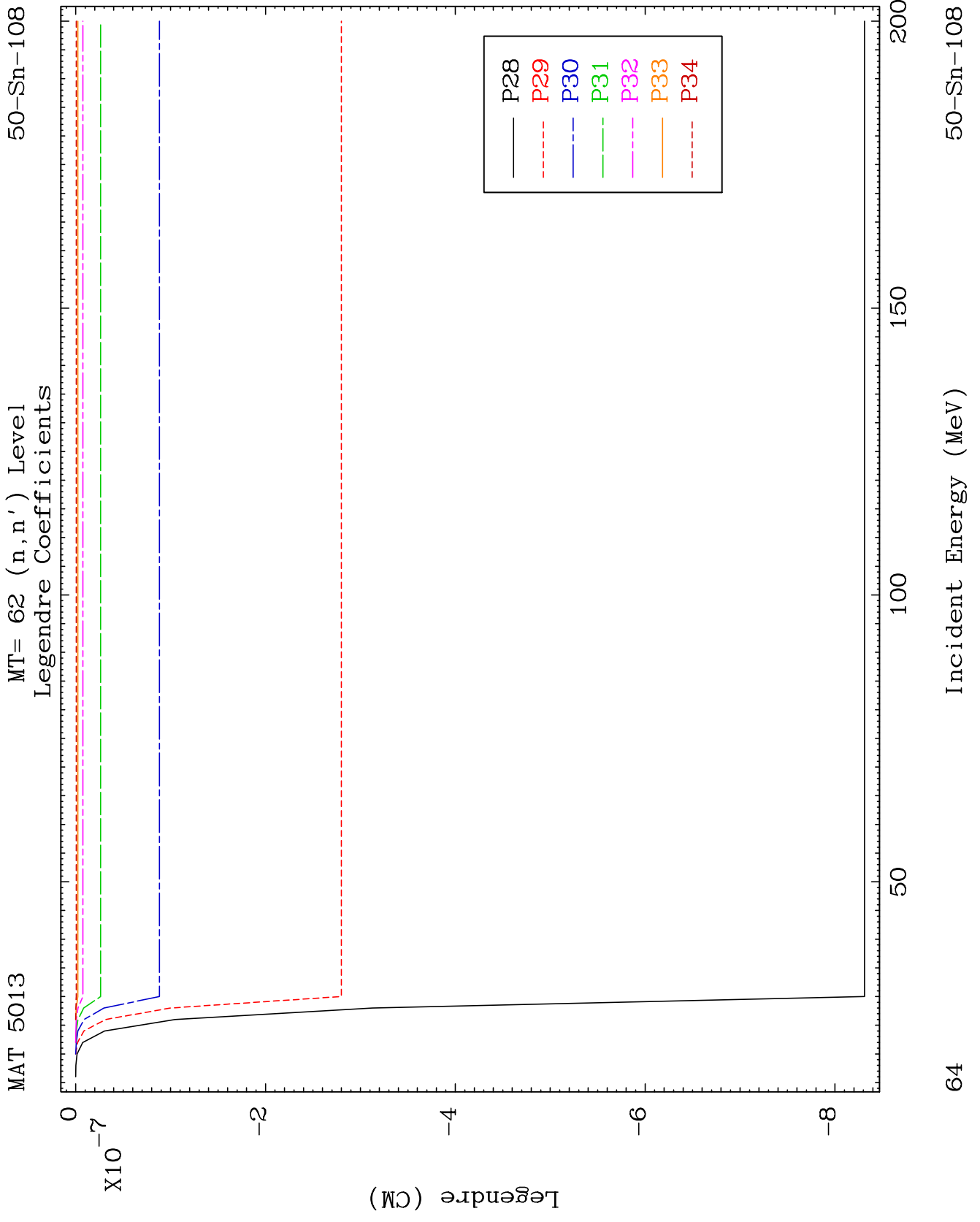
50-Sn-108



61



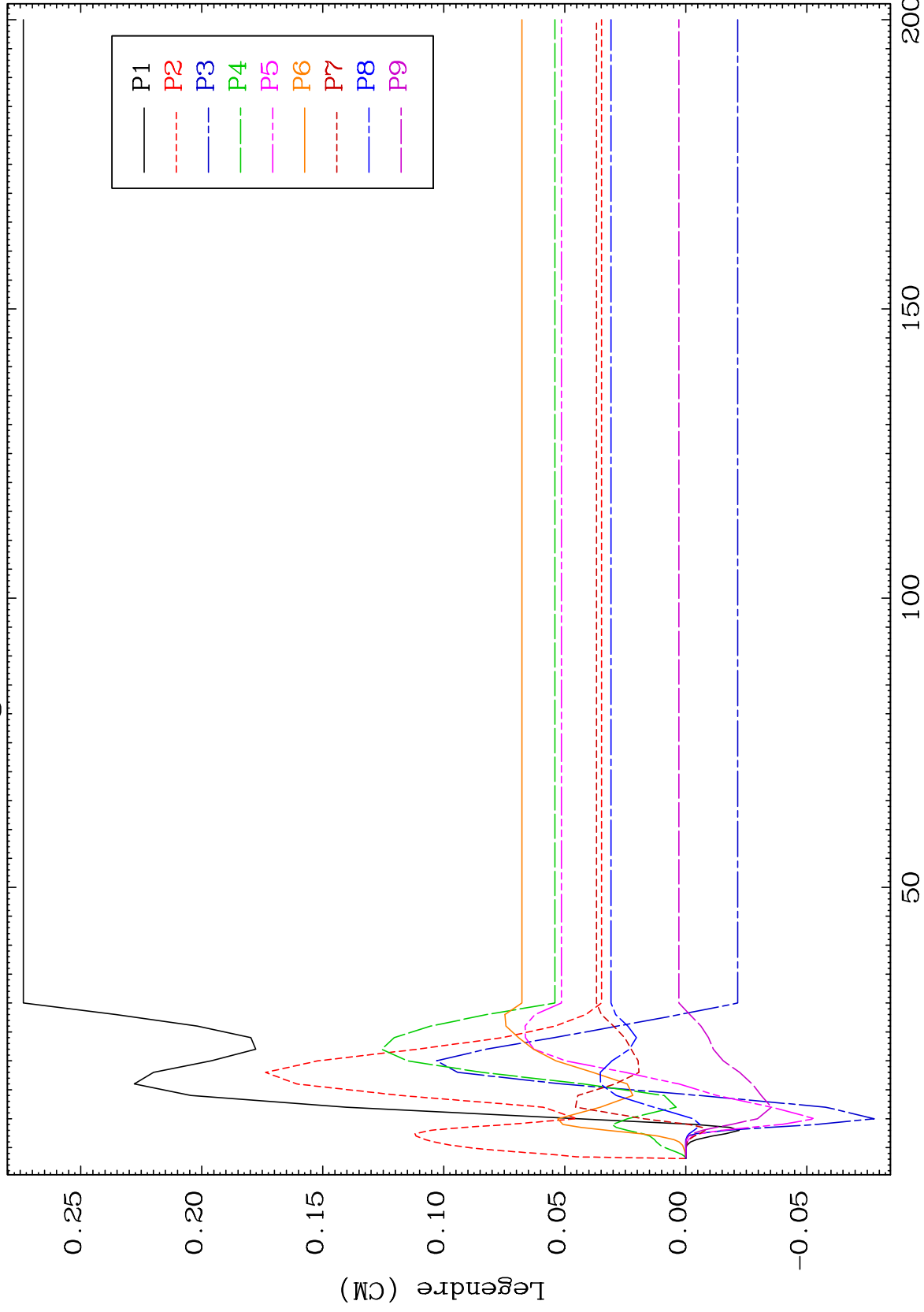




MAT 5013

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

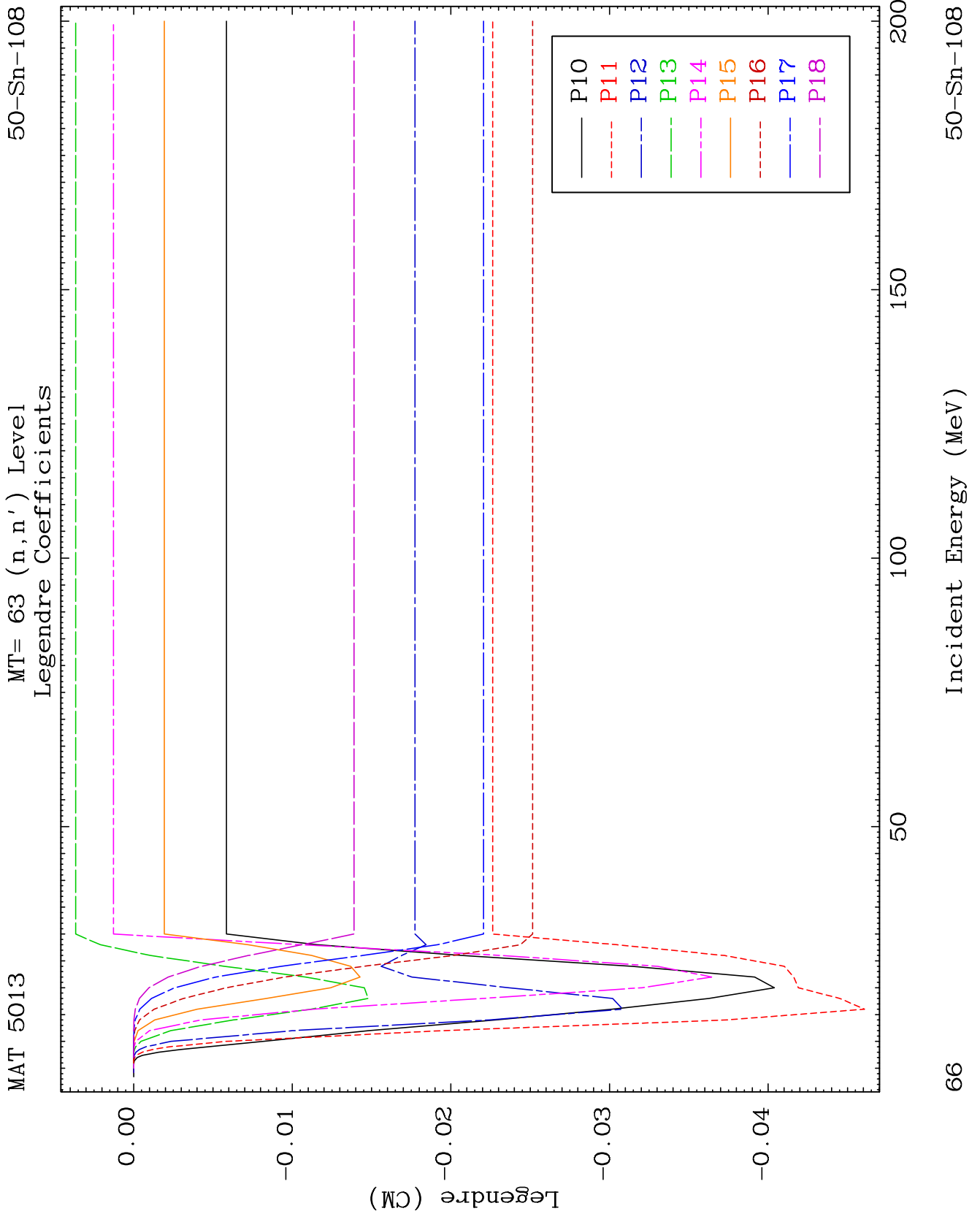
50-Sn-108

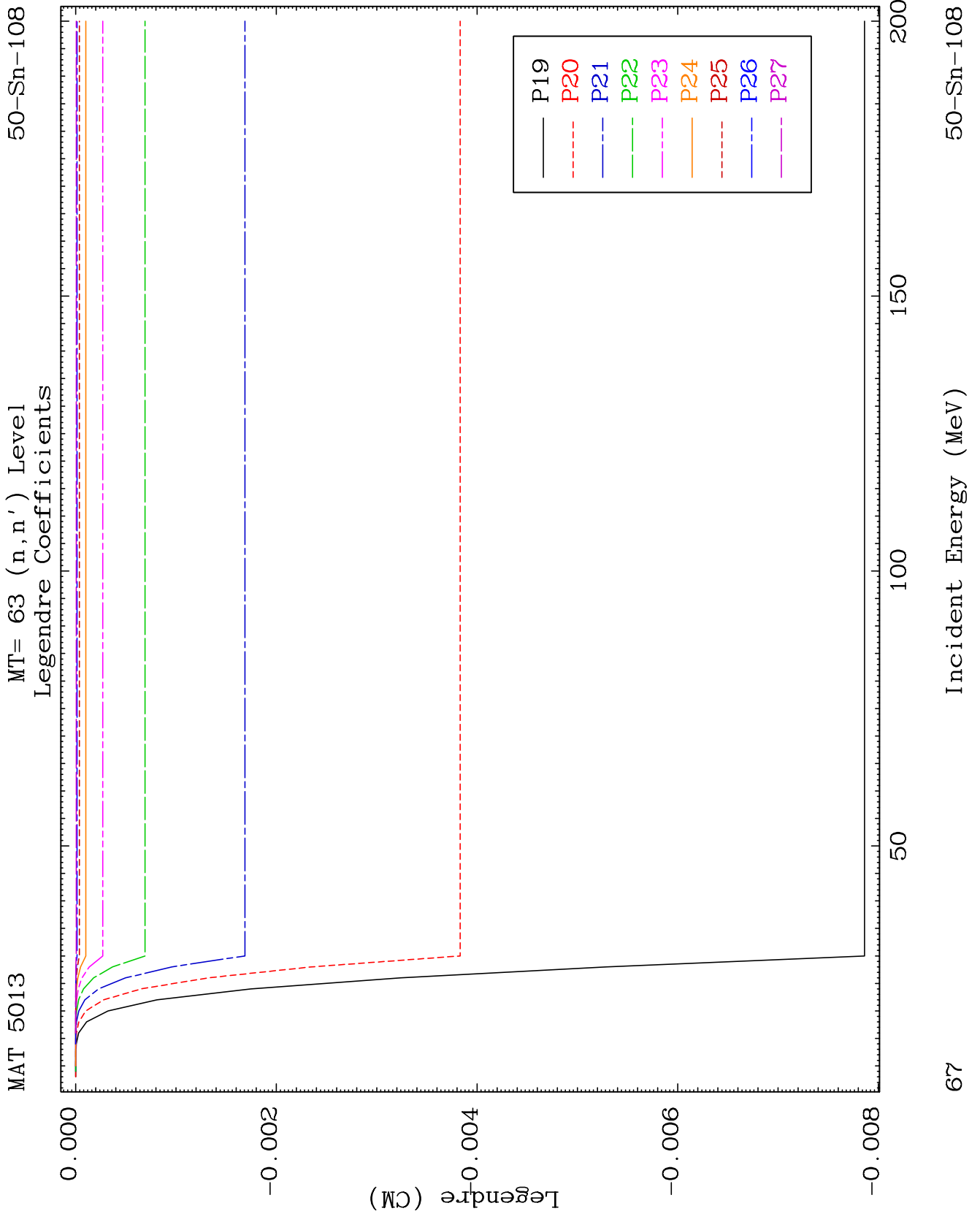


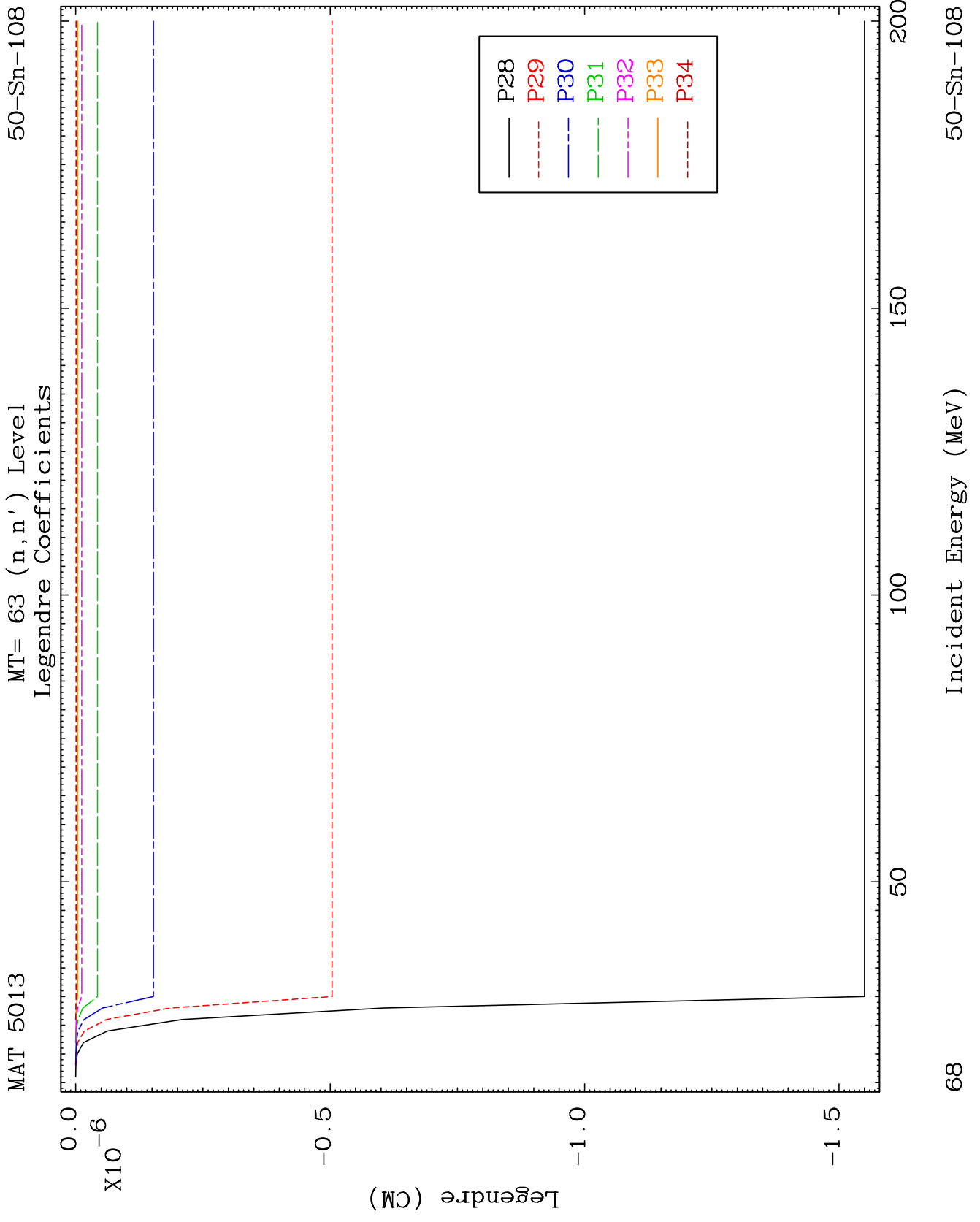
50-Sn-108

Incident Energy (MeV)

65



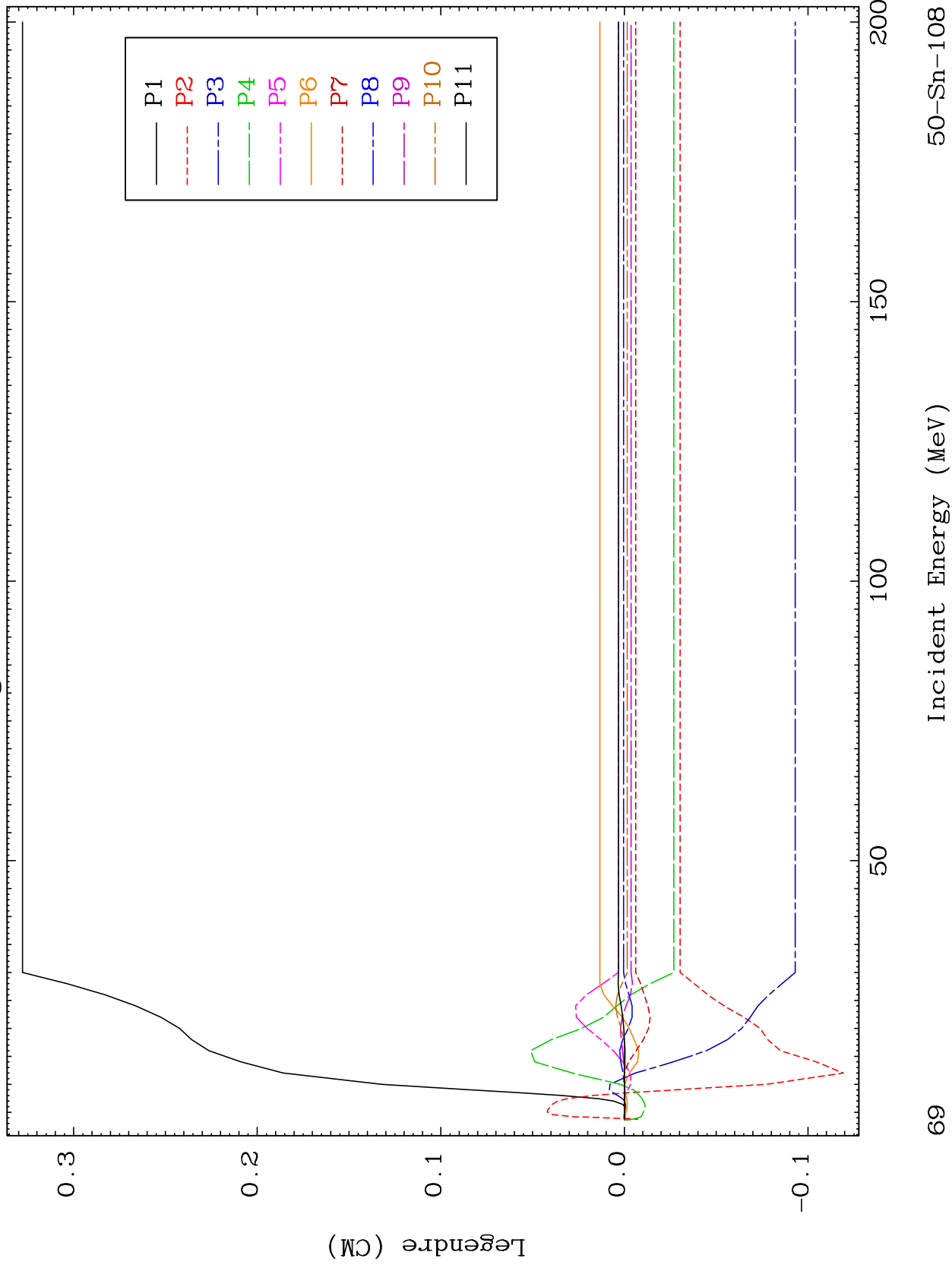




MAT 5013

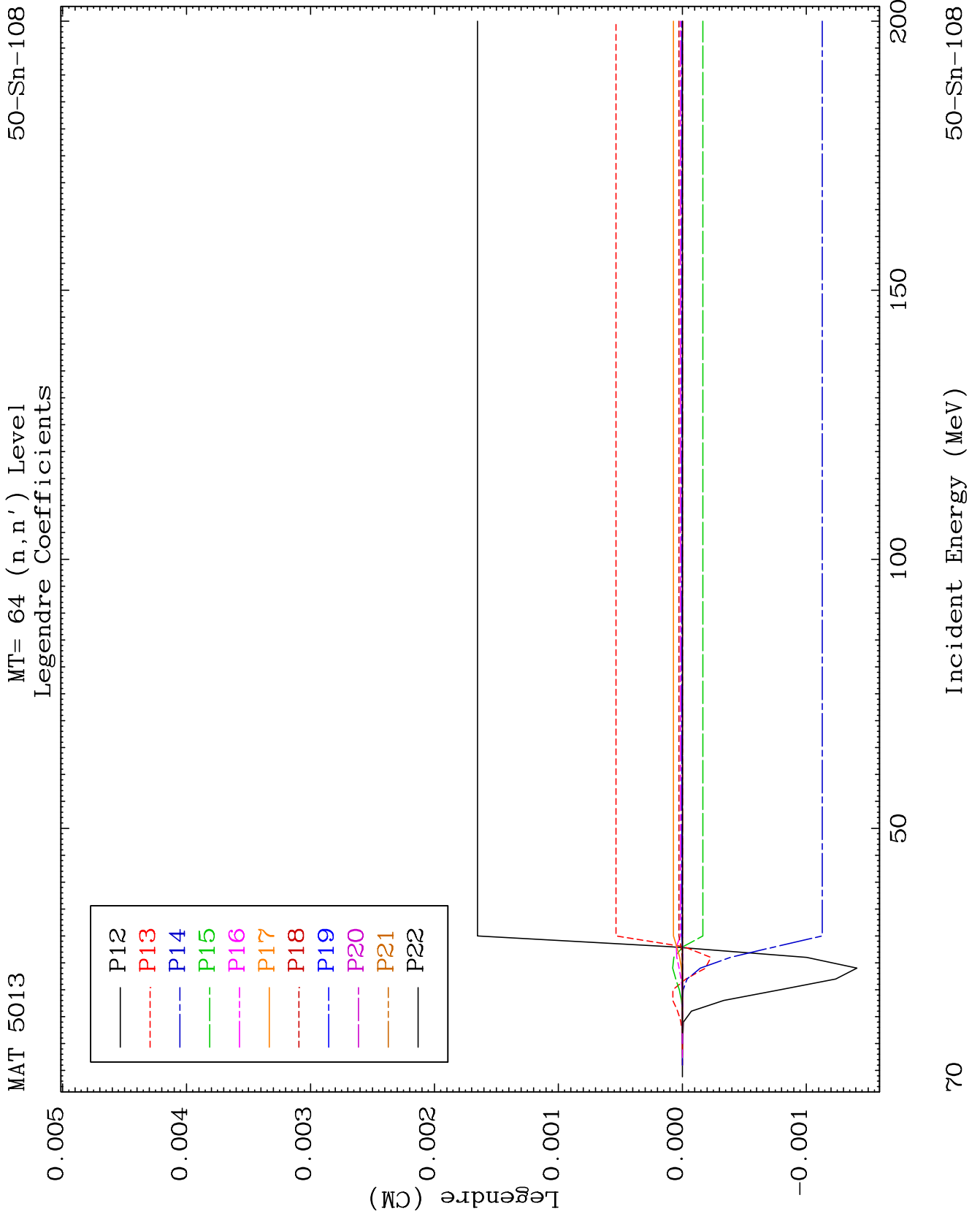
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Legendre Coefficients

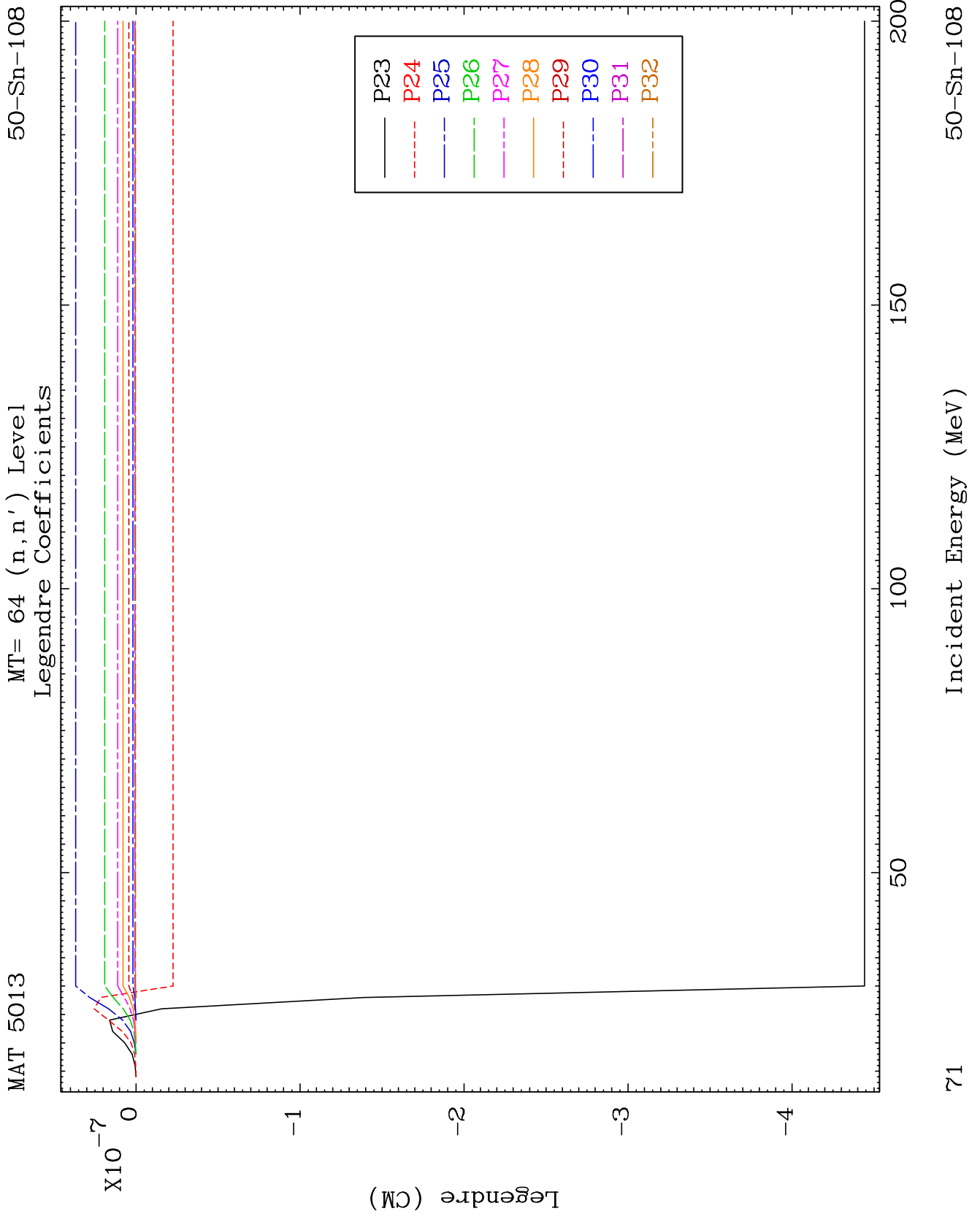
50-Sn-108



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50-Sn-108

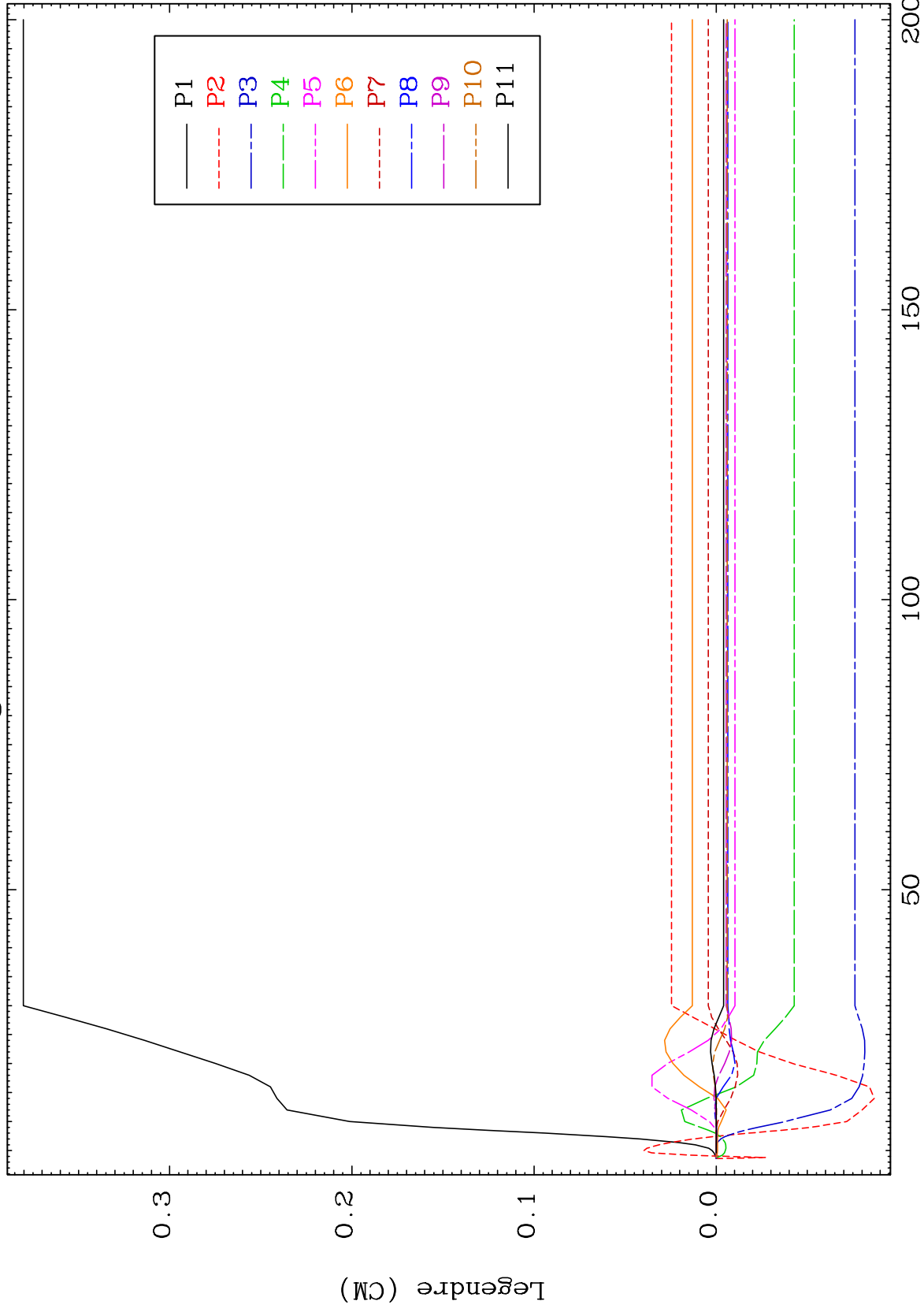




MAT 5013

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

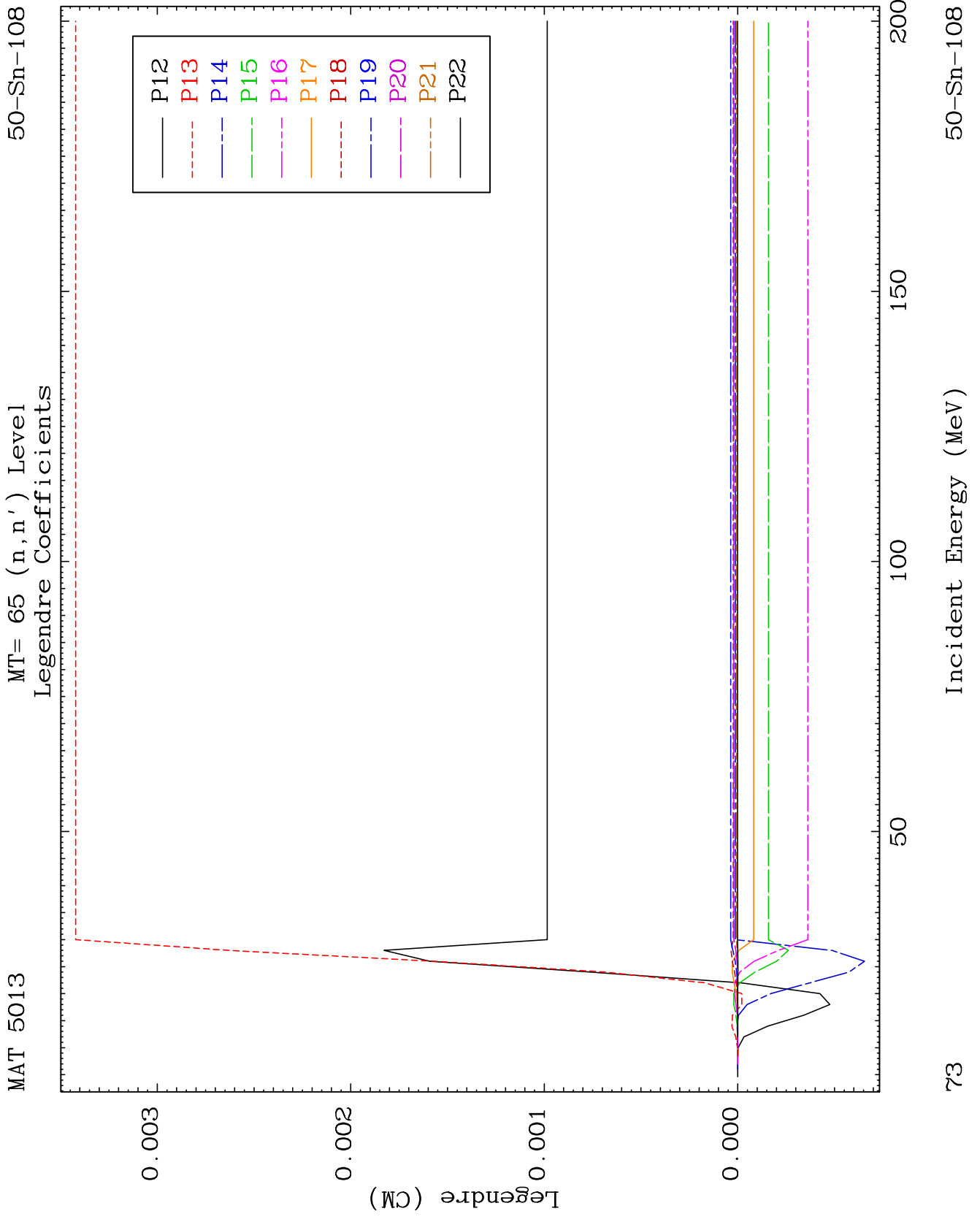
50-Sn-108



72

Incident Energy (MeV)

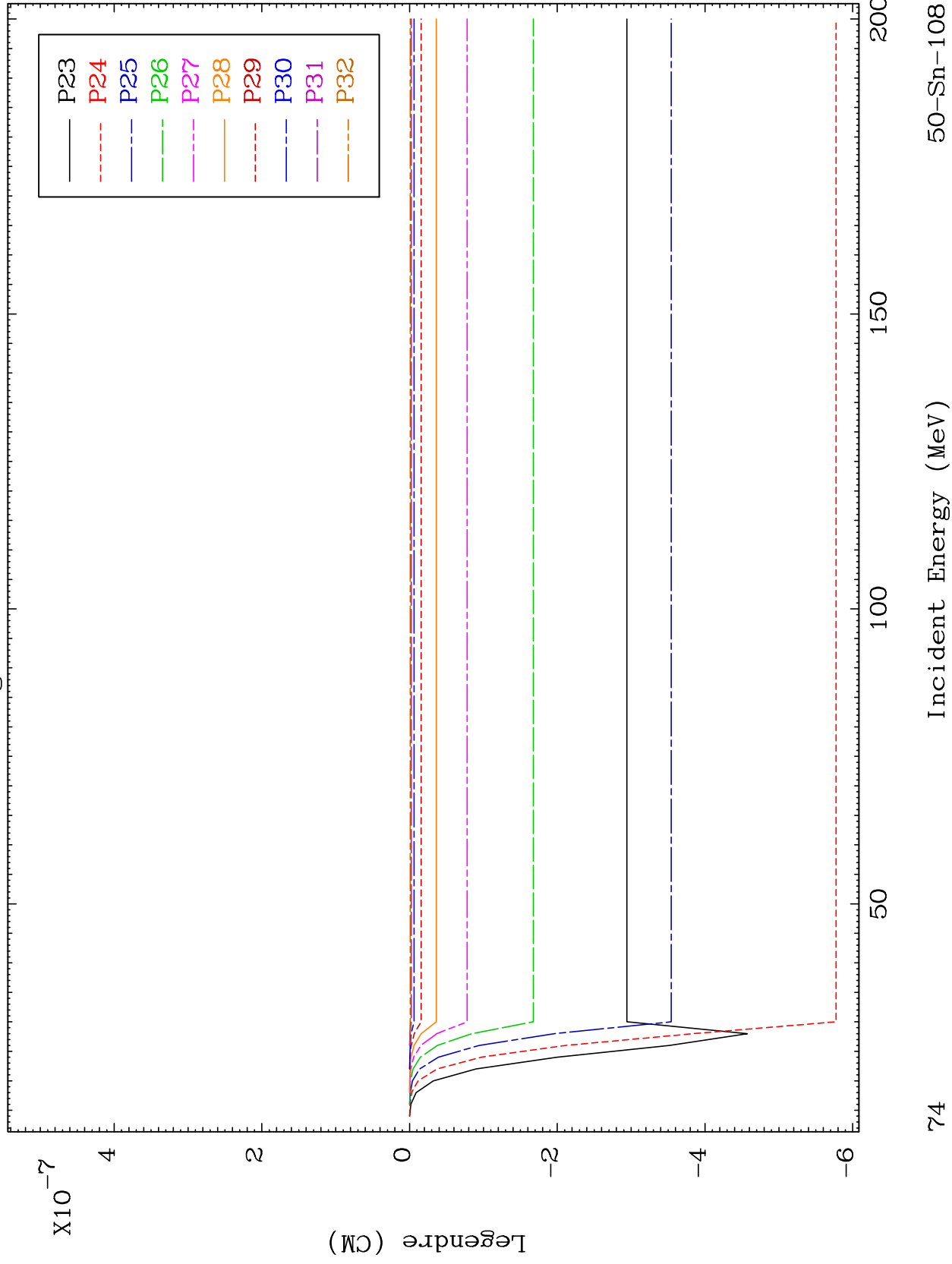
50-Sn-108



MAT 5013

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

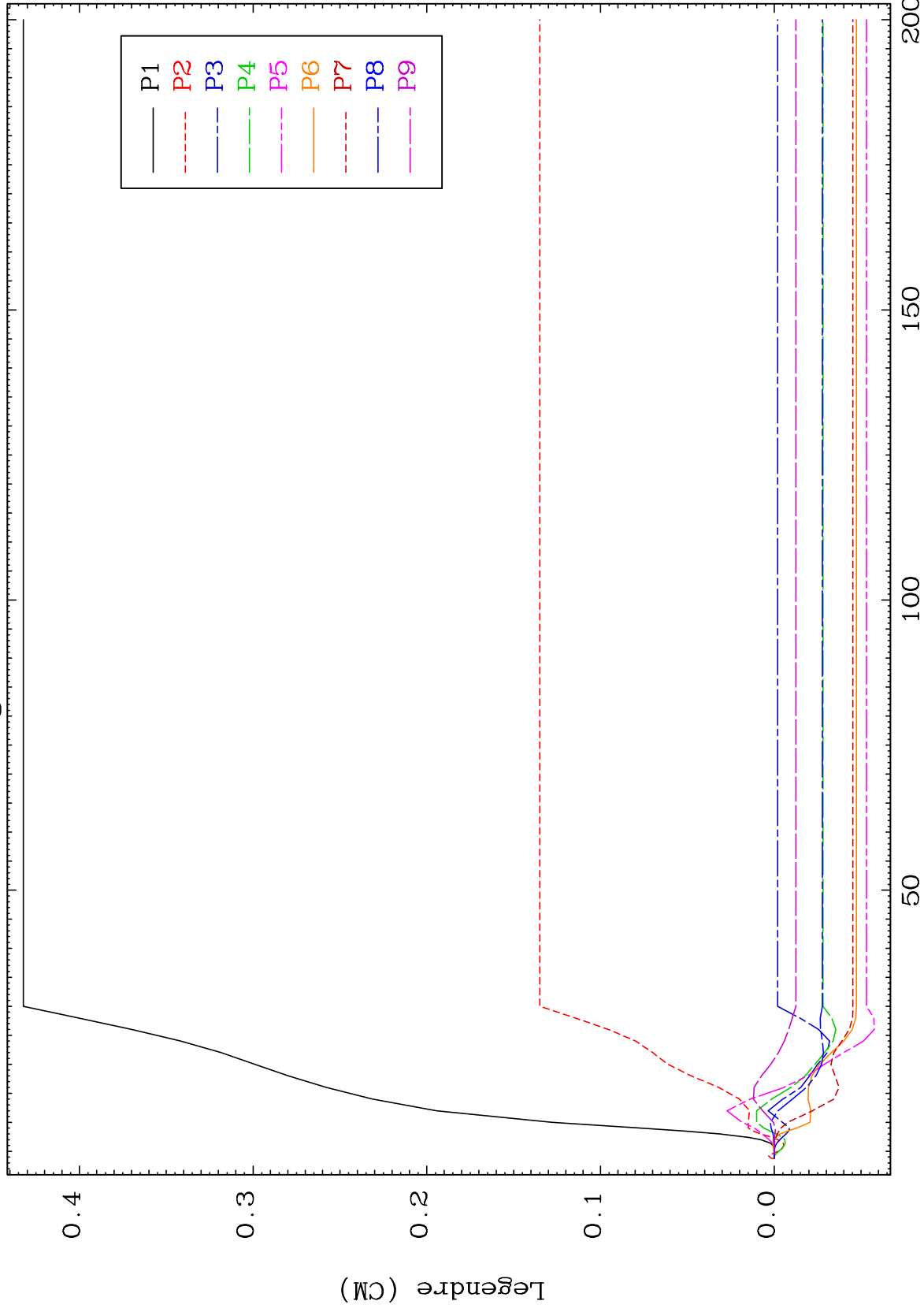
50-Sn-108



MAT 5013

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

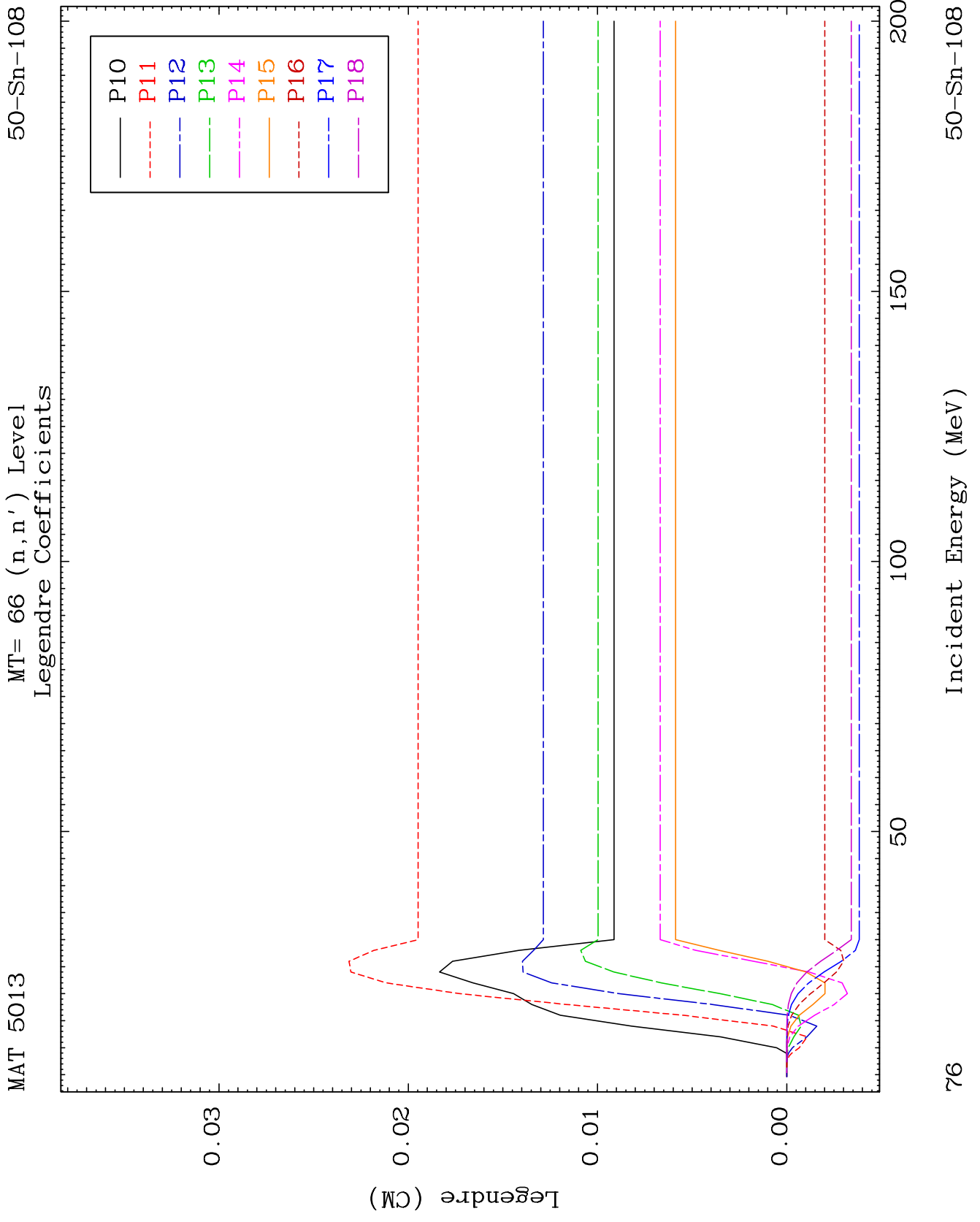
50-Sn-108

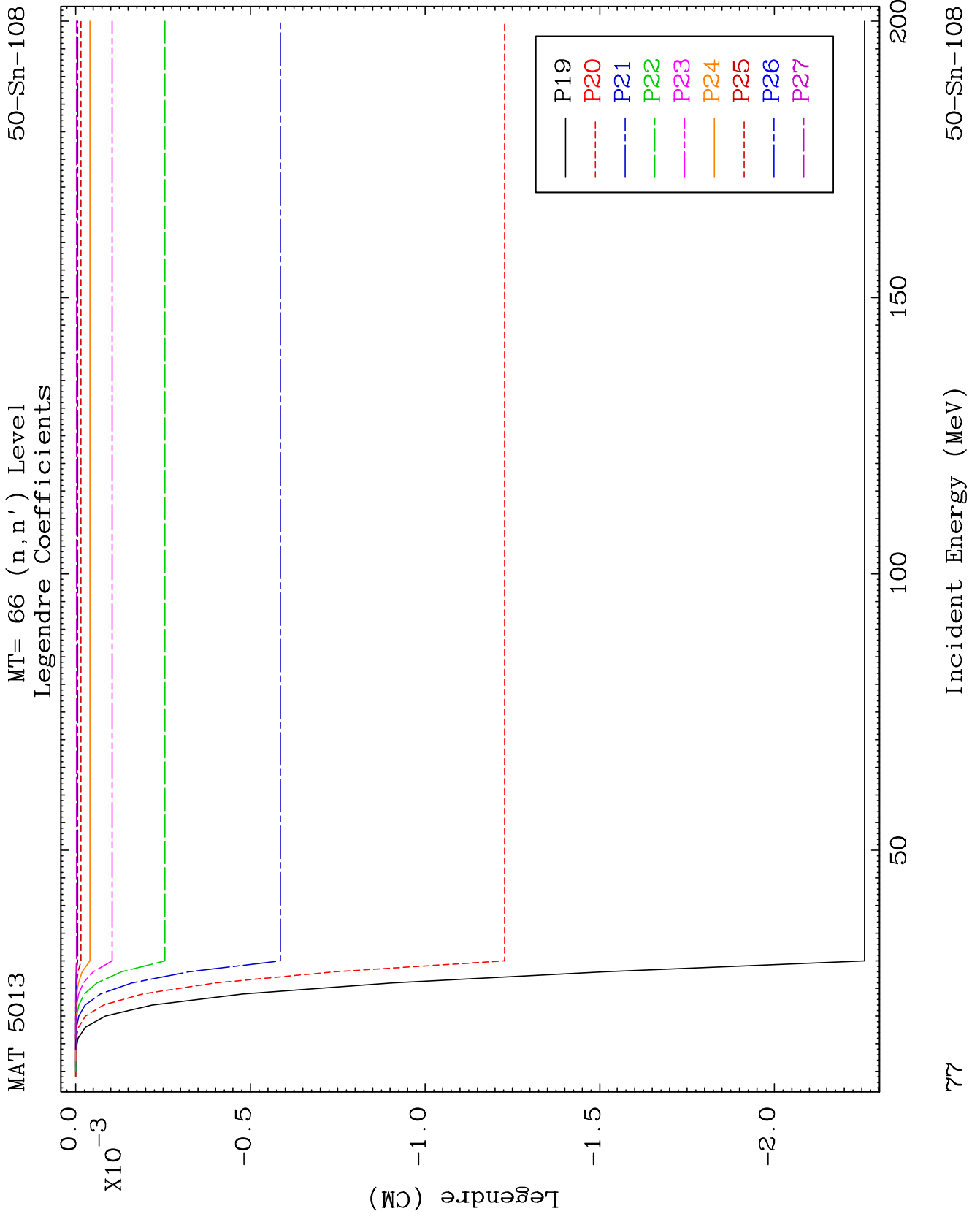


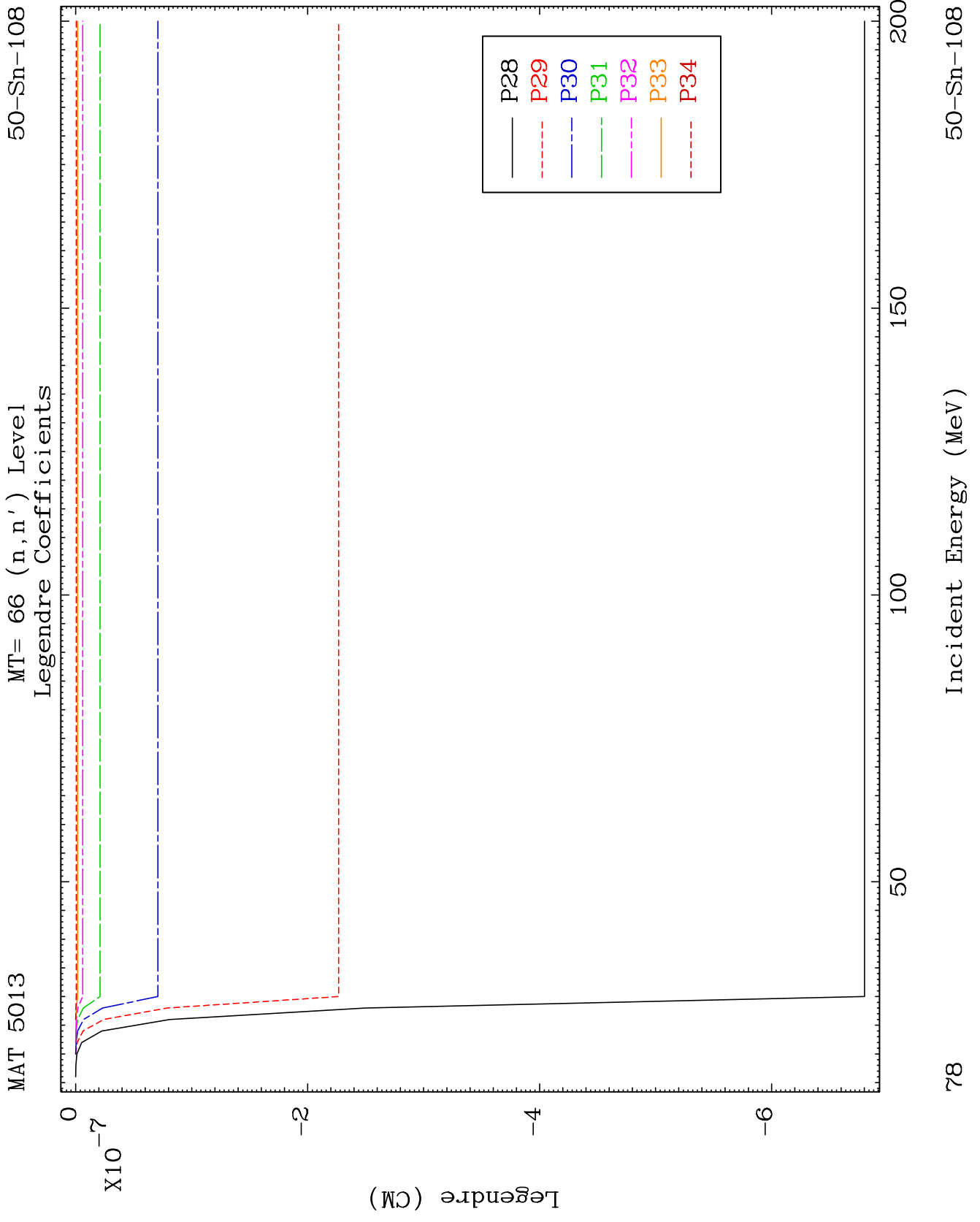
75

Incident Energy (MeV)

50-Sn-108



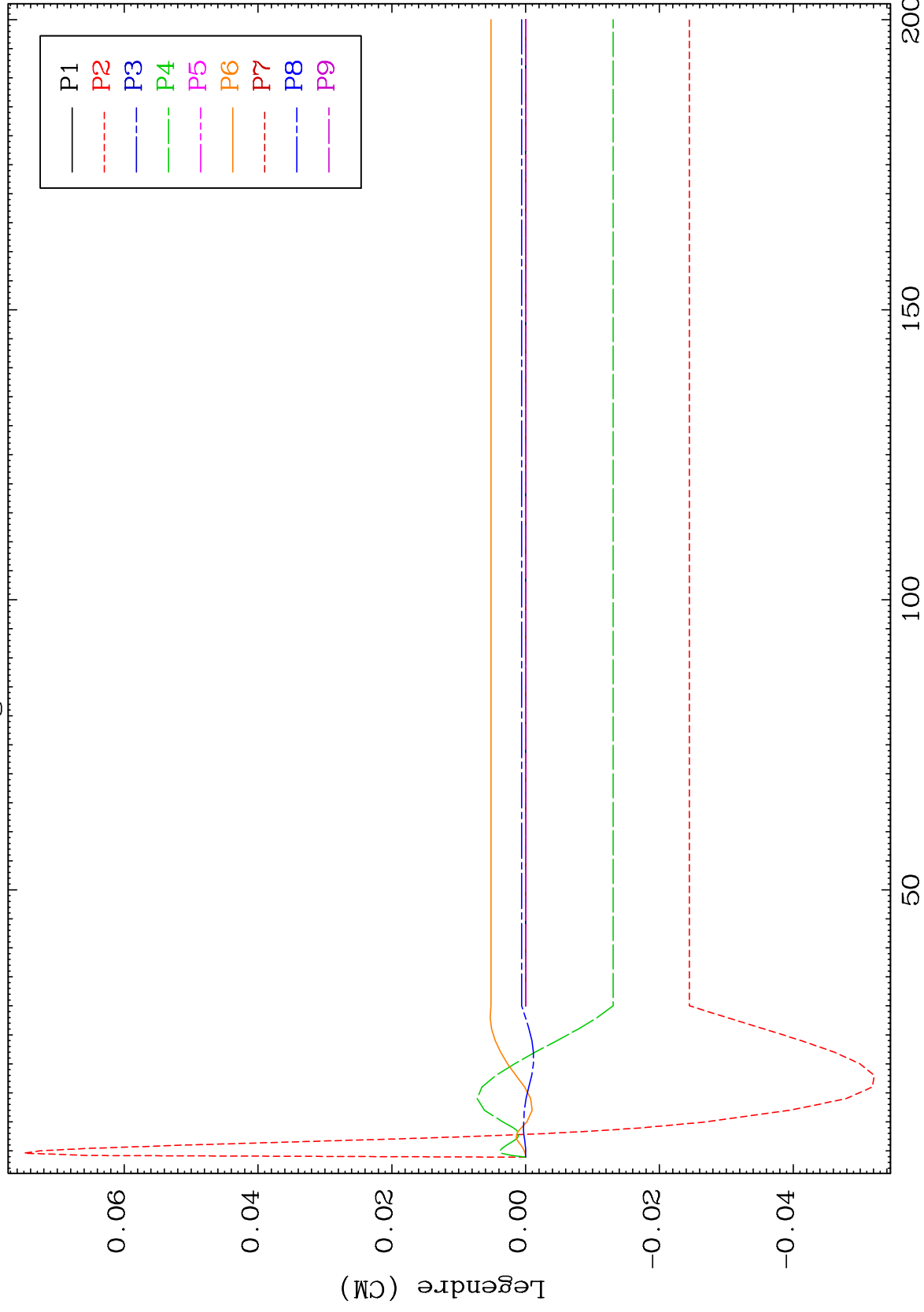




MAT 5013

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

50-Sn-108



79

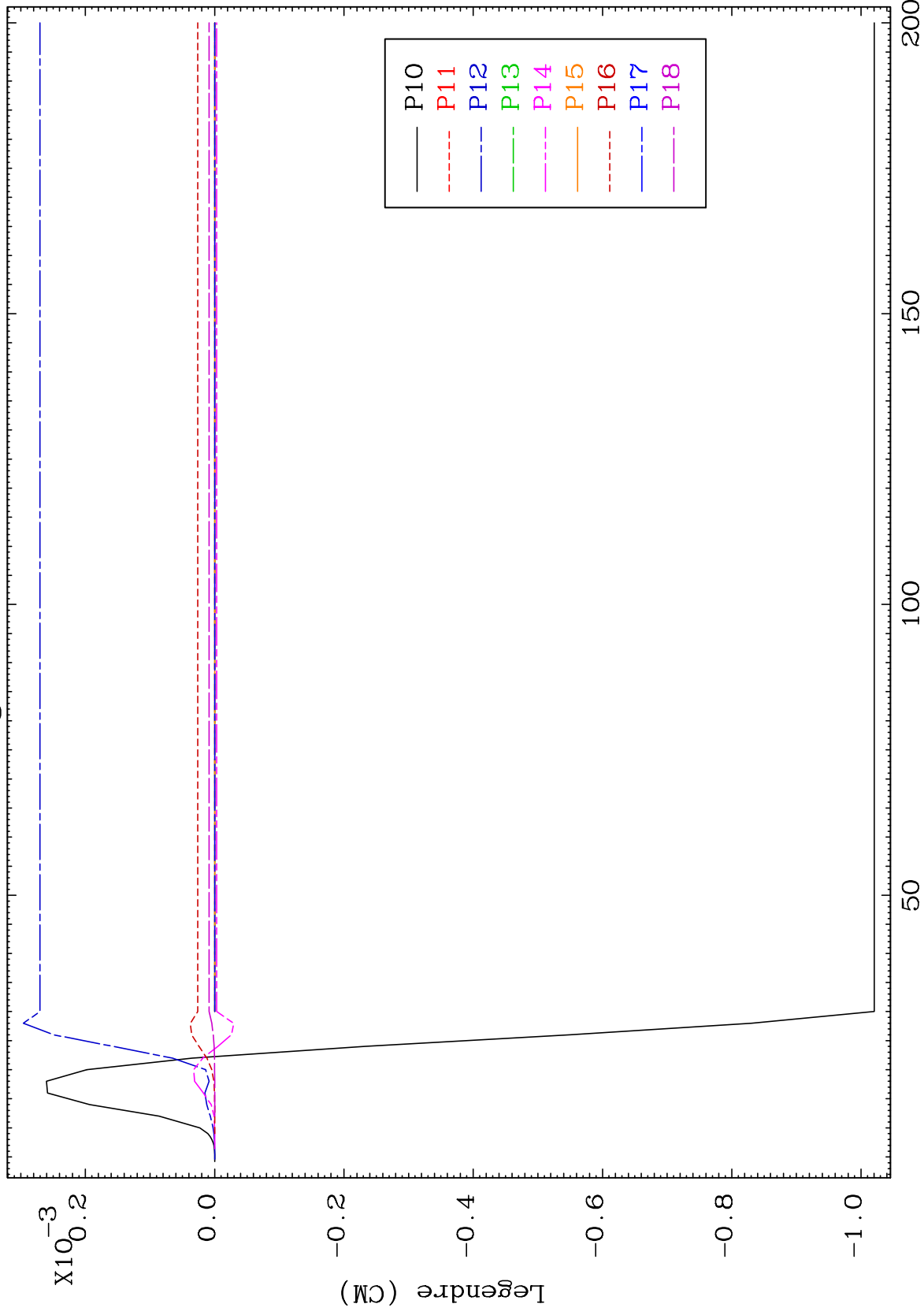
Incident Energy (MeV)

50-Sn-108

MAT 5013

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

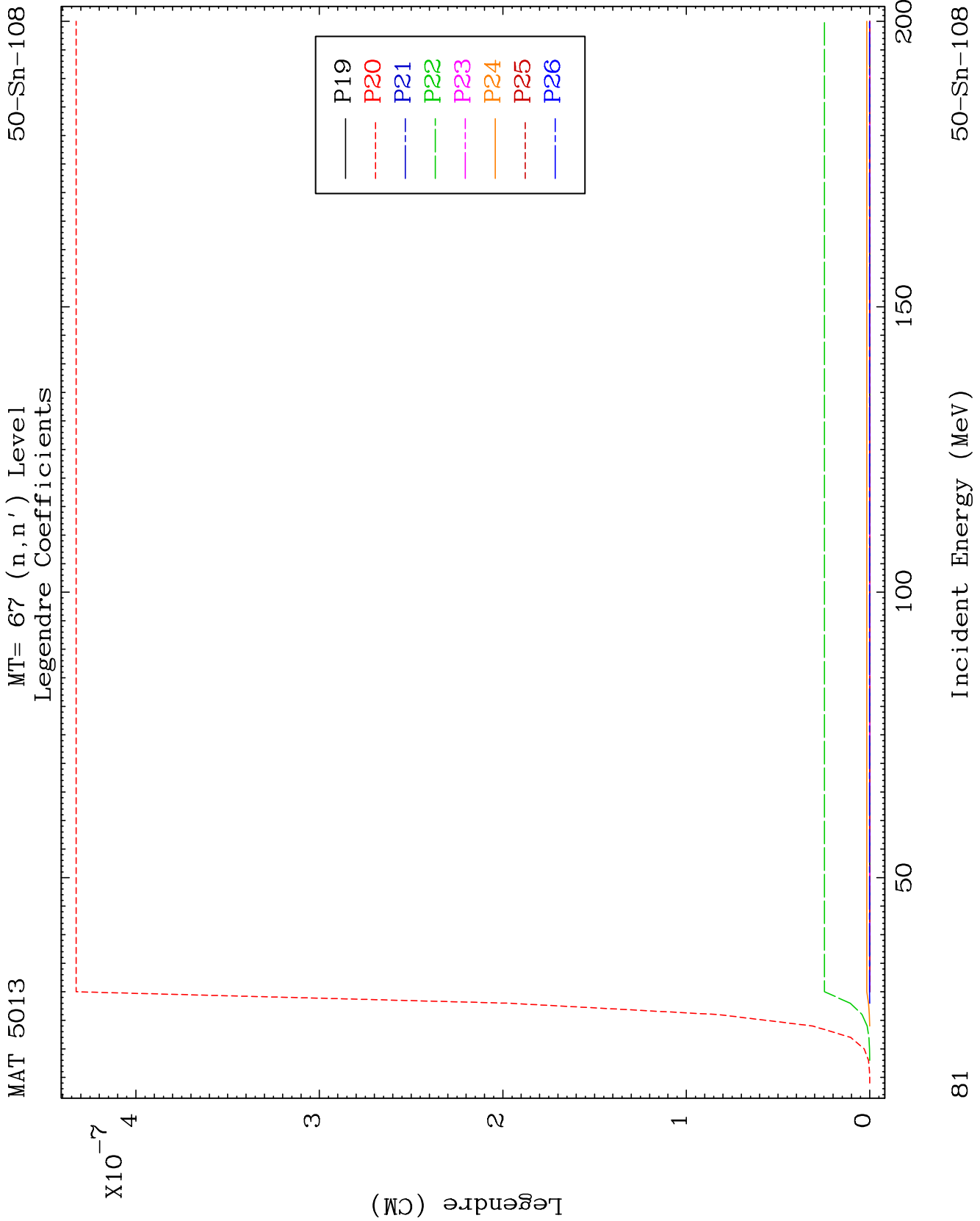
50-Sn-108

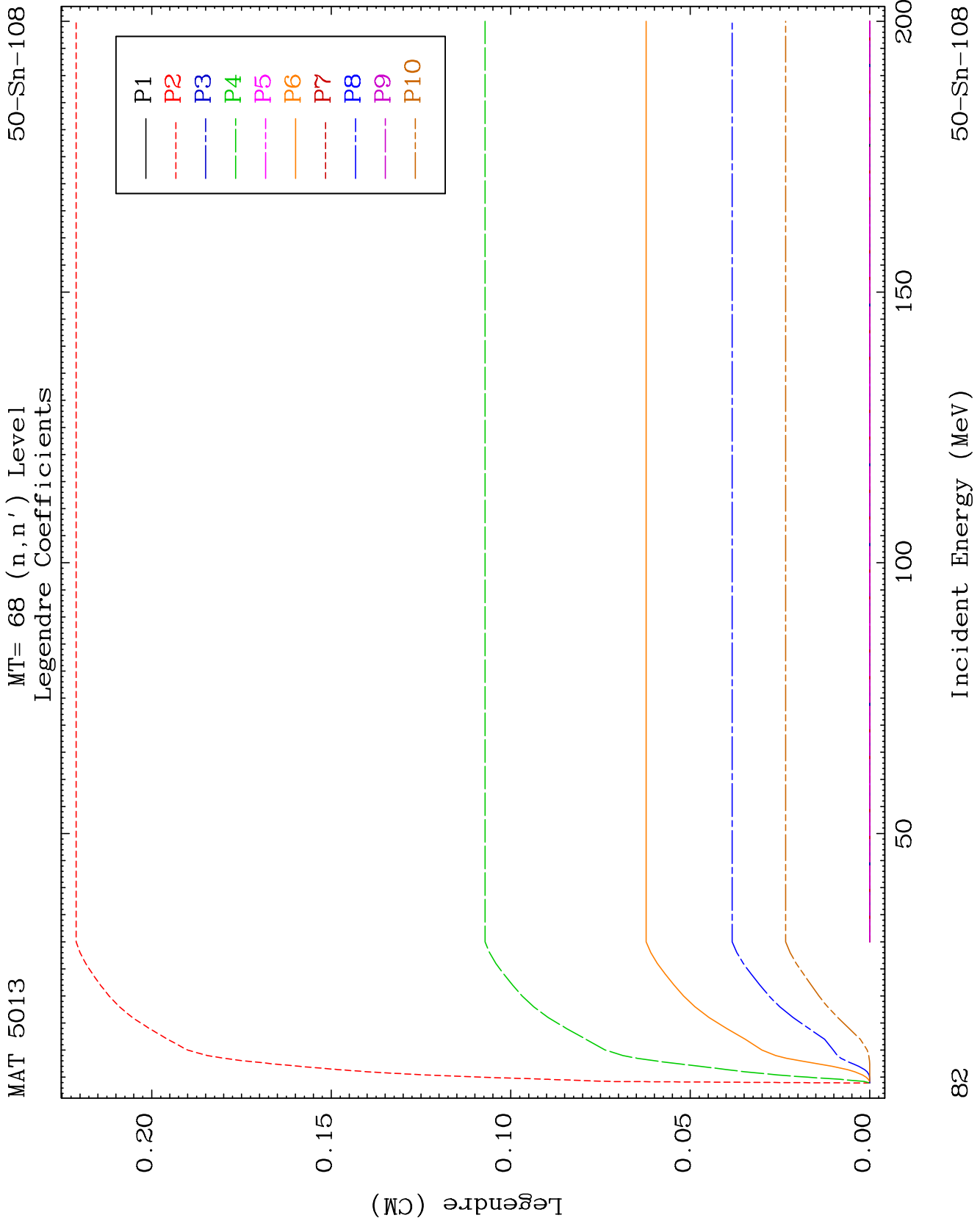


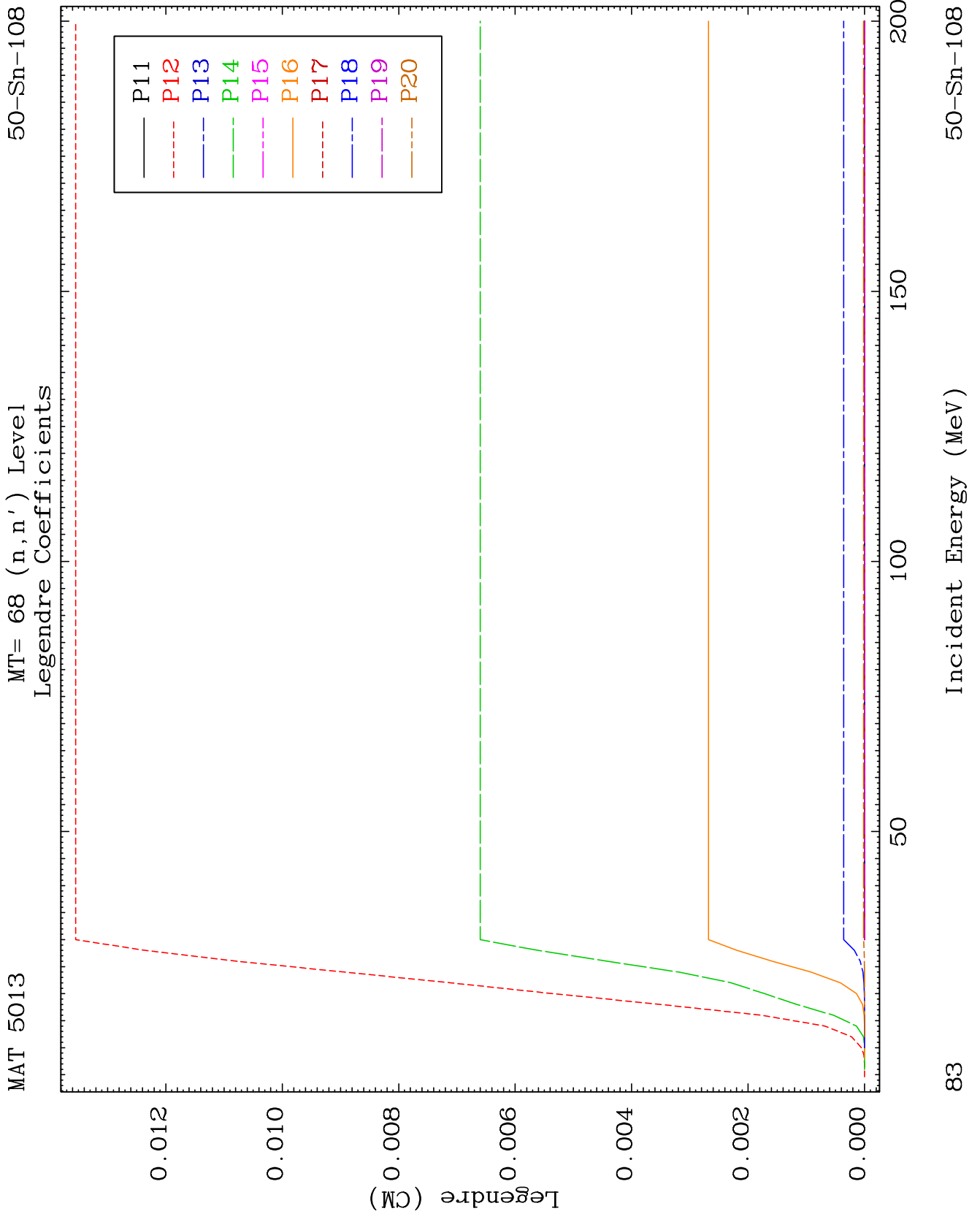
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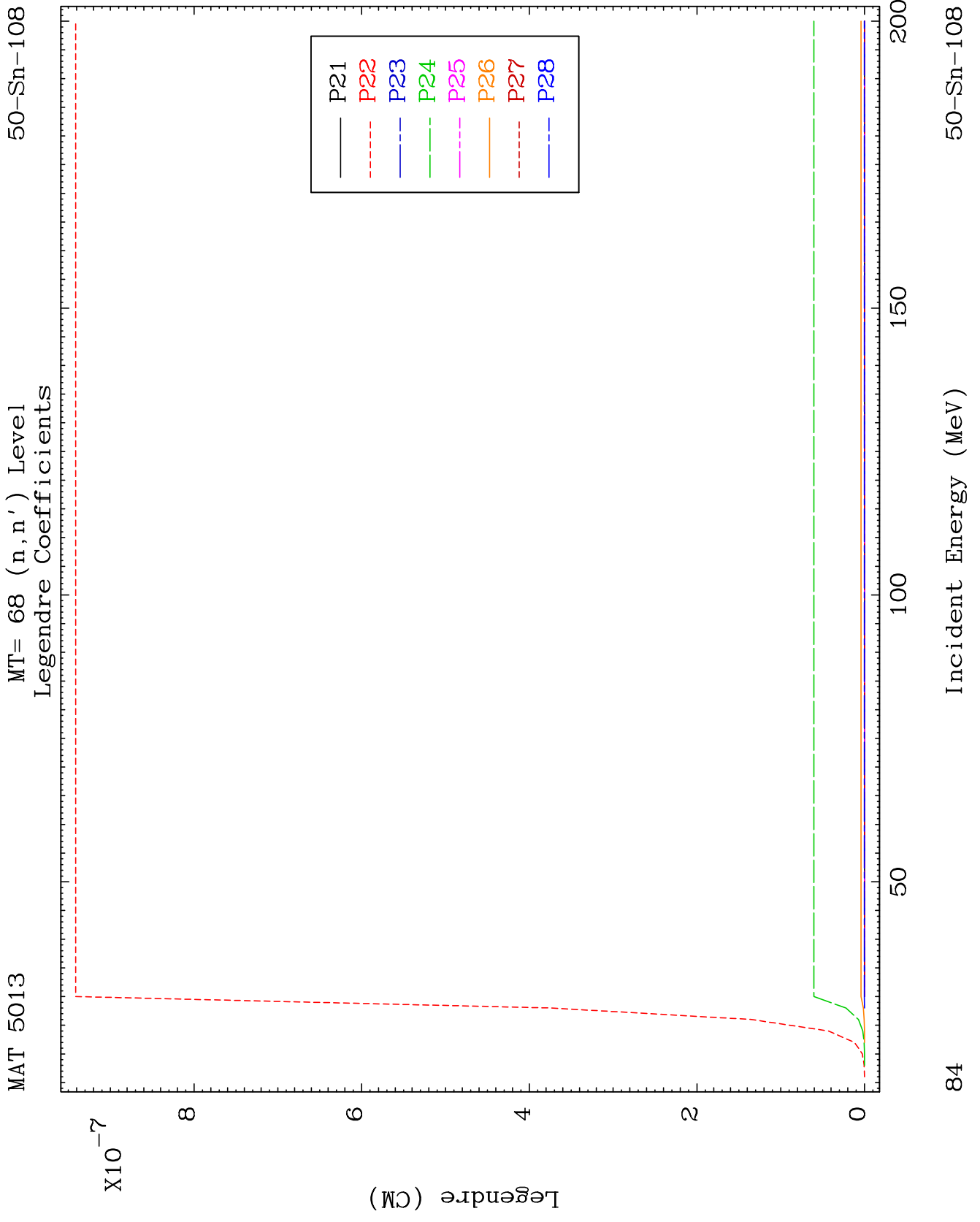
Incident Energy (MeV)

50-Sn-108







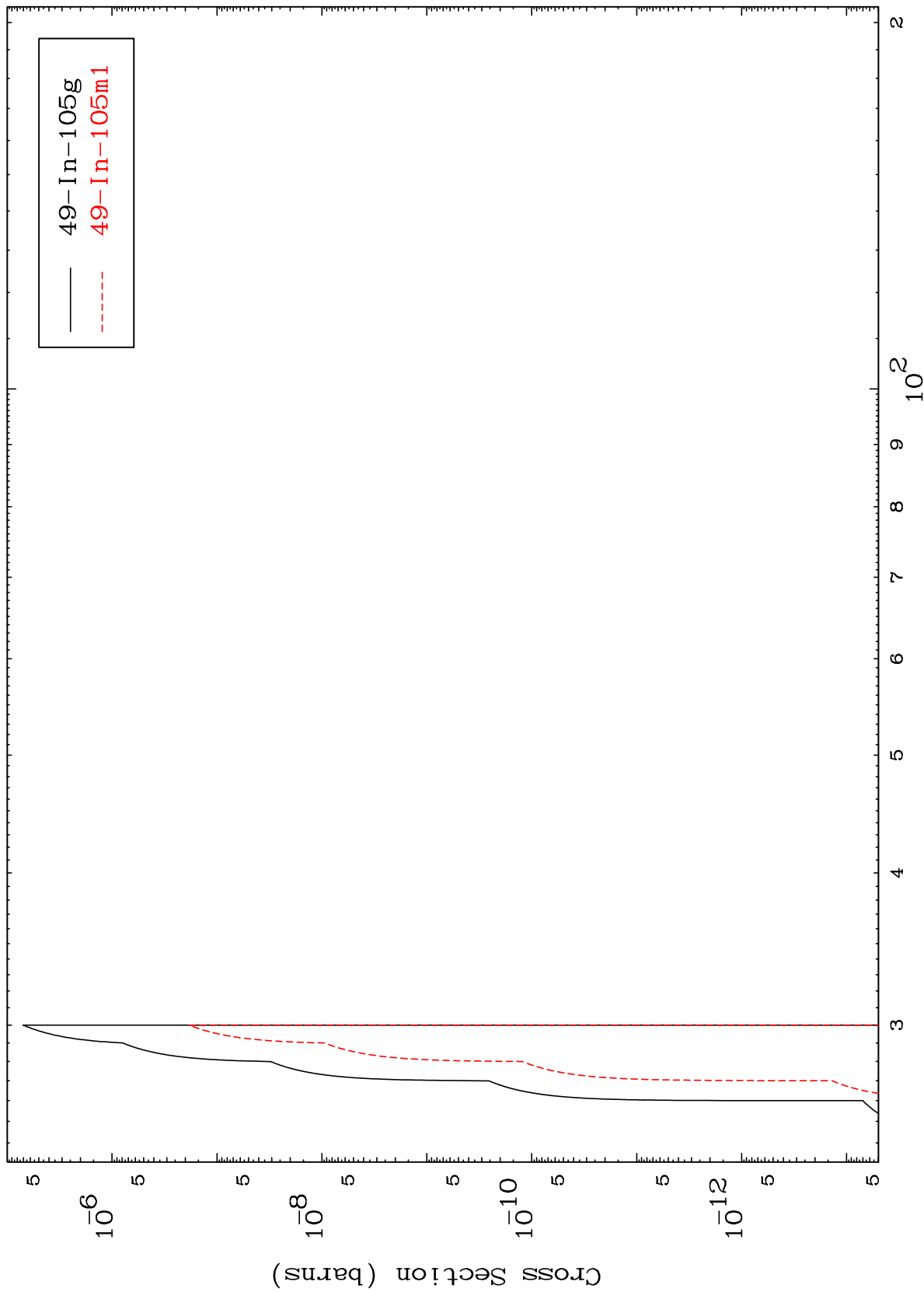


MAT 5013

(n,2n) d

50-Sn-108

Radionuclide Production Cross Section



85

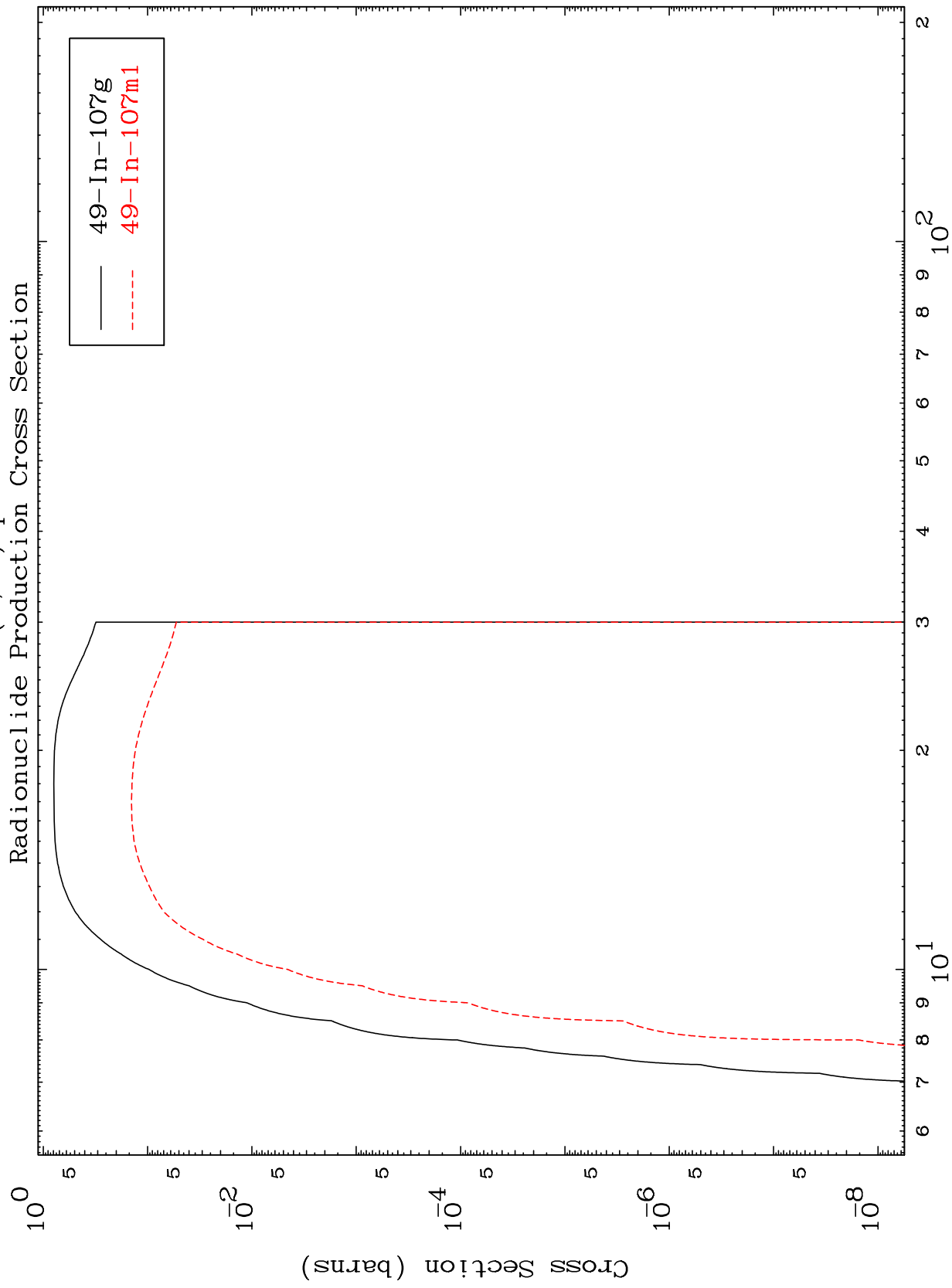
Incident Energy (MeV)

50-Sn-108

MAT 5013

(n,n') p

50-Sn-108

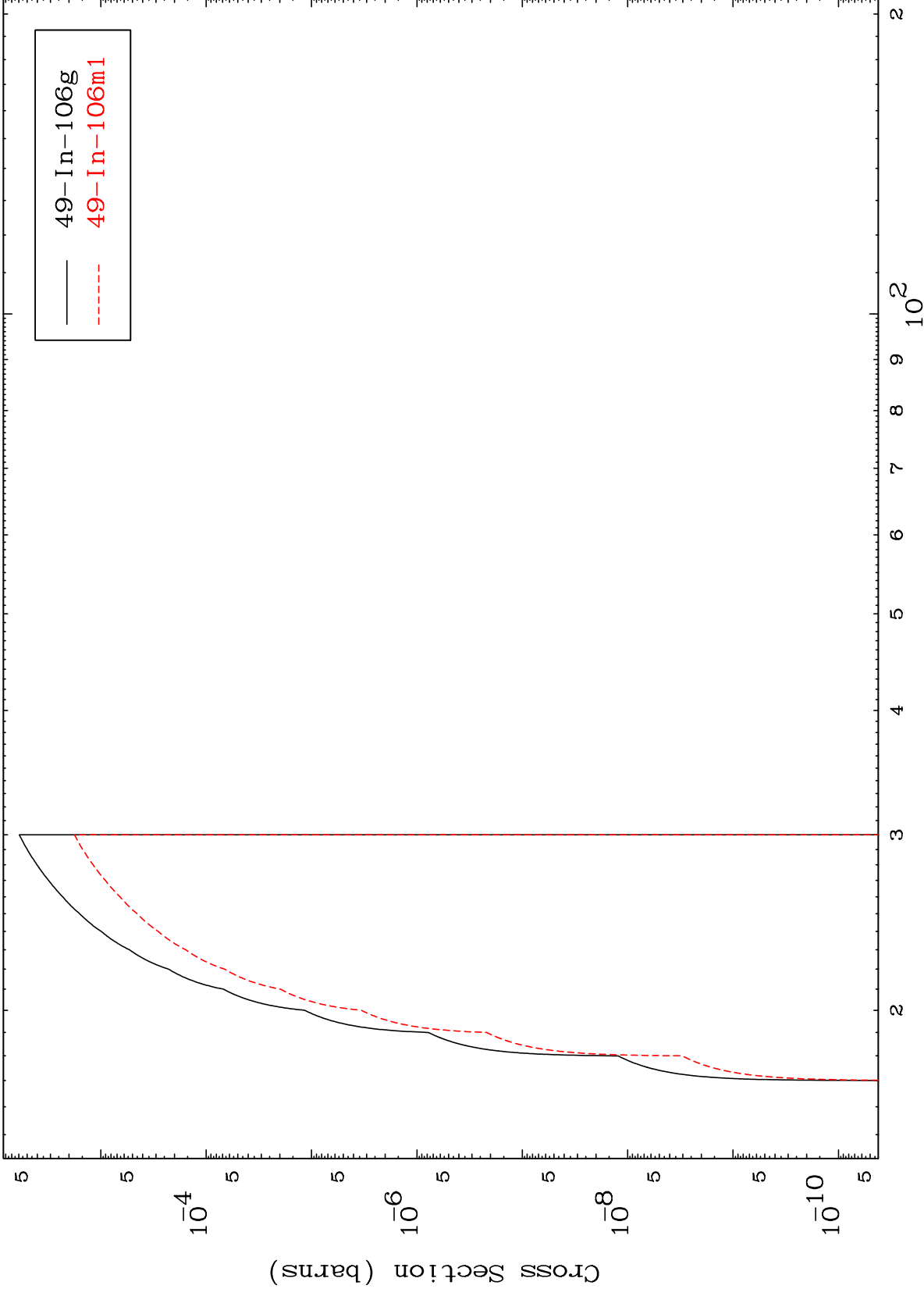


86

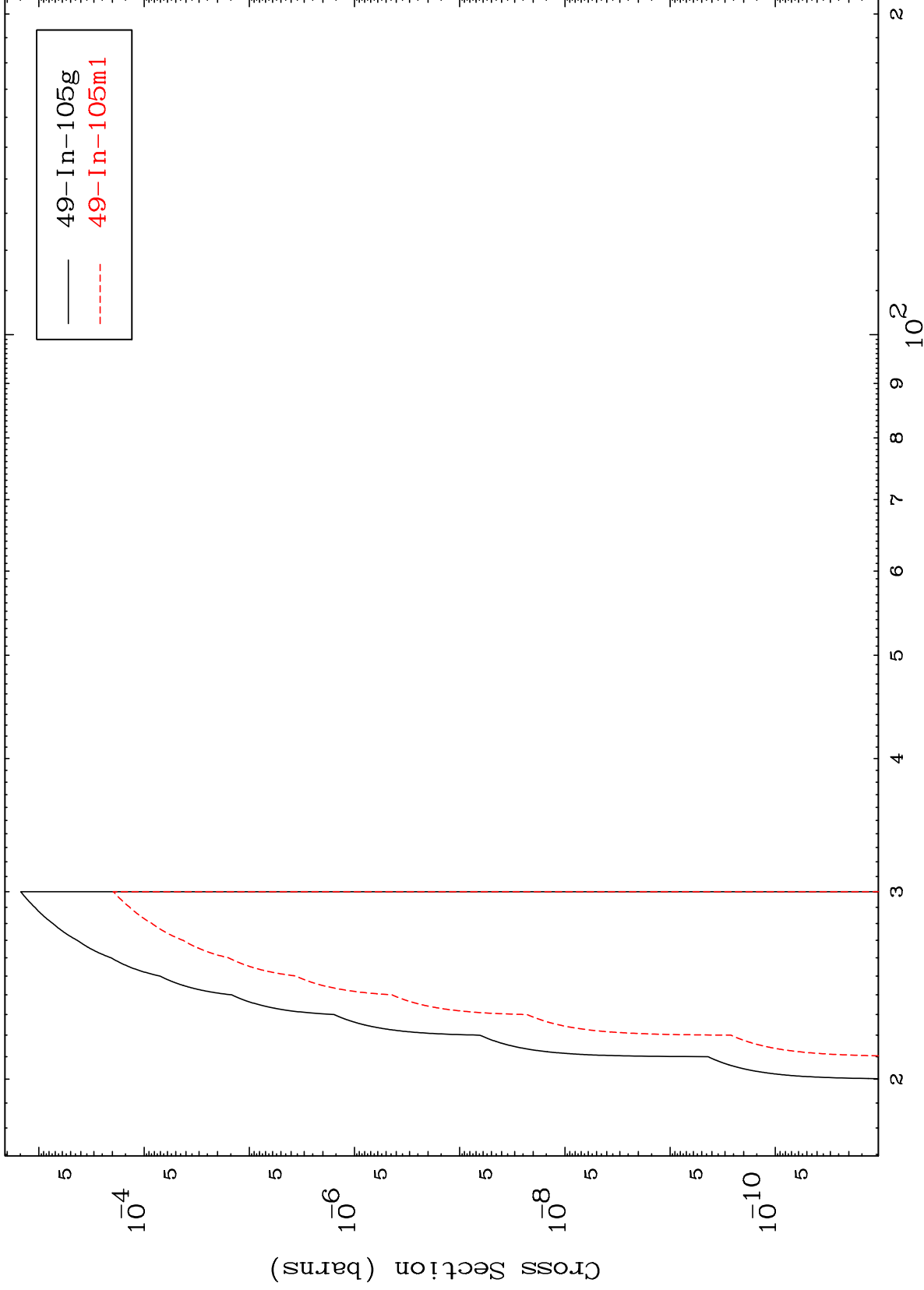
Incident Energy (MeV)

50-Sn-108

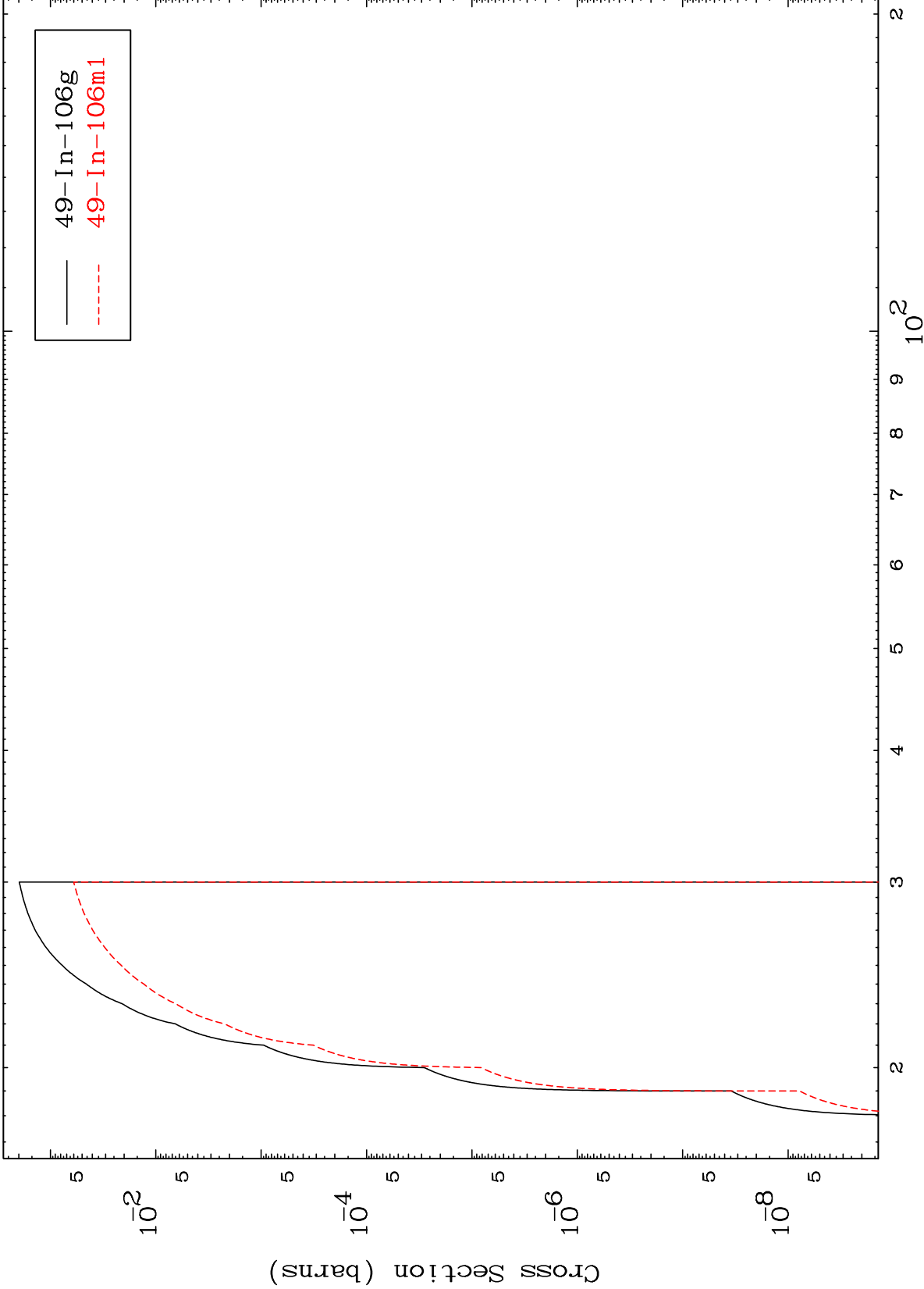
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

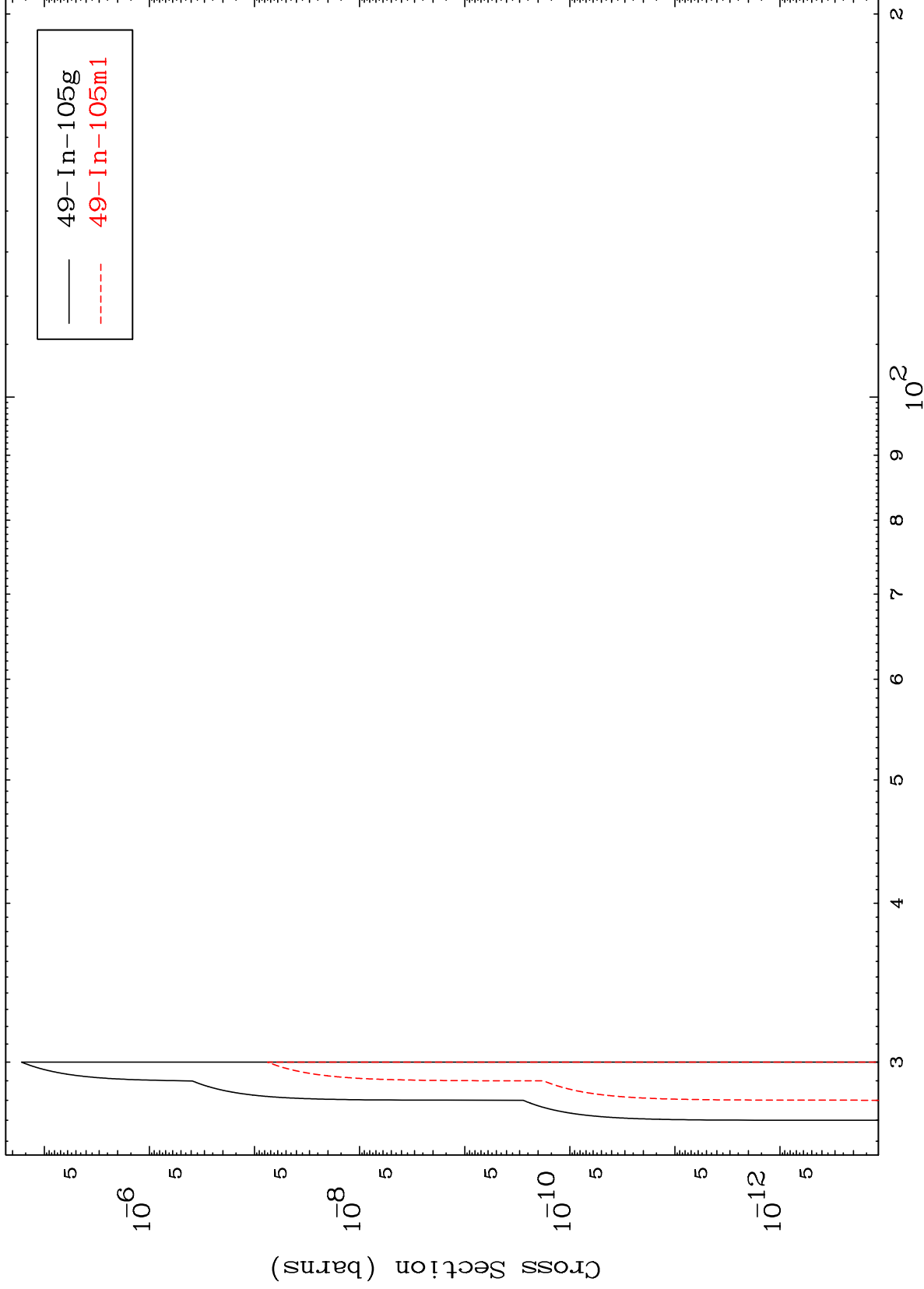


MAT 5013

(n,3n) p

50-Sn-108

Radionuclide Production Cross Section



90

Incident Energy (MeV)

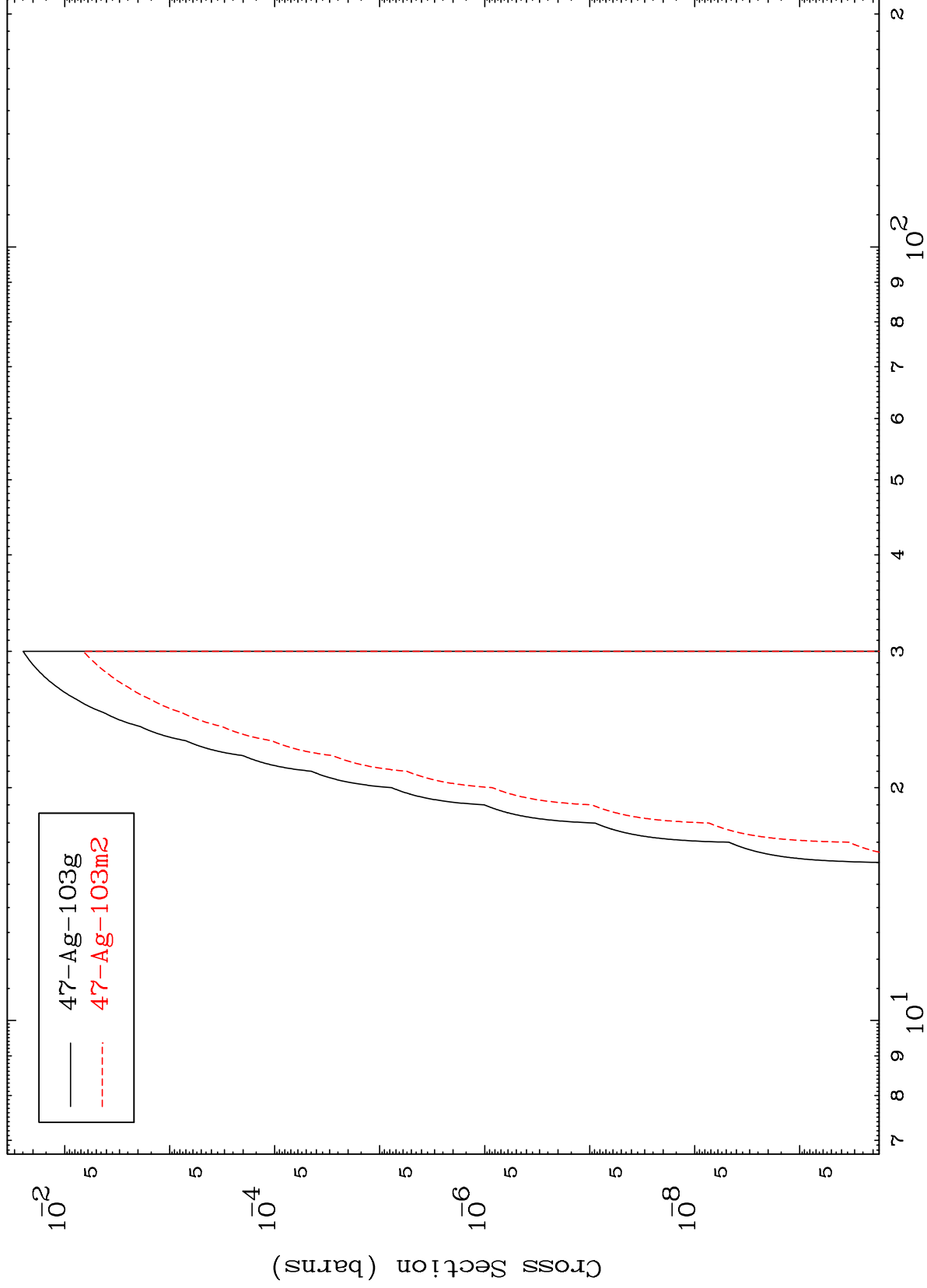
50-Sn-108

MAT 5013

(n,n') p α

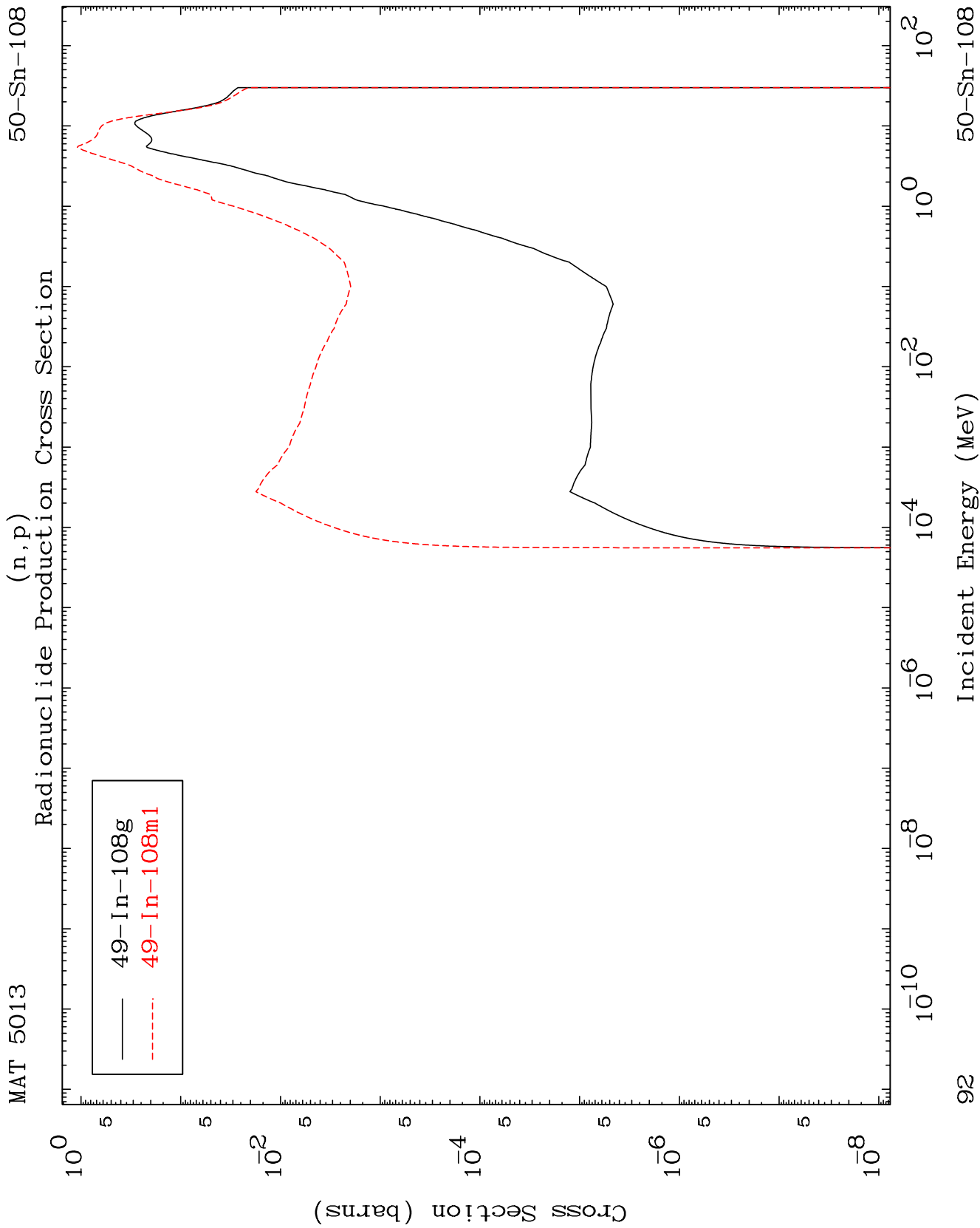
50-Sn-108

Radionuclide Production Cross Section



— 47-Ag-103g
- - - 47-Ag-103m2

MAT 5013

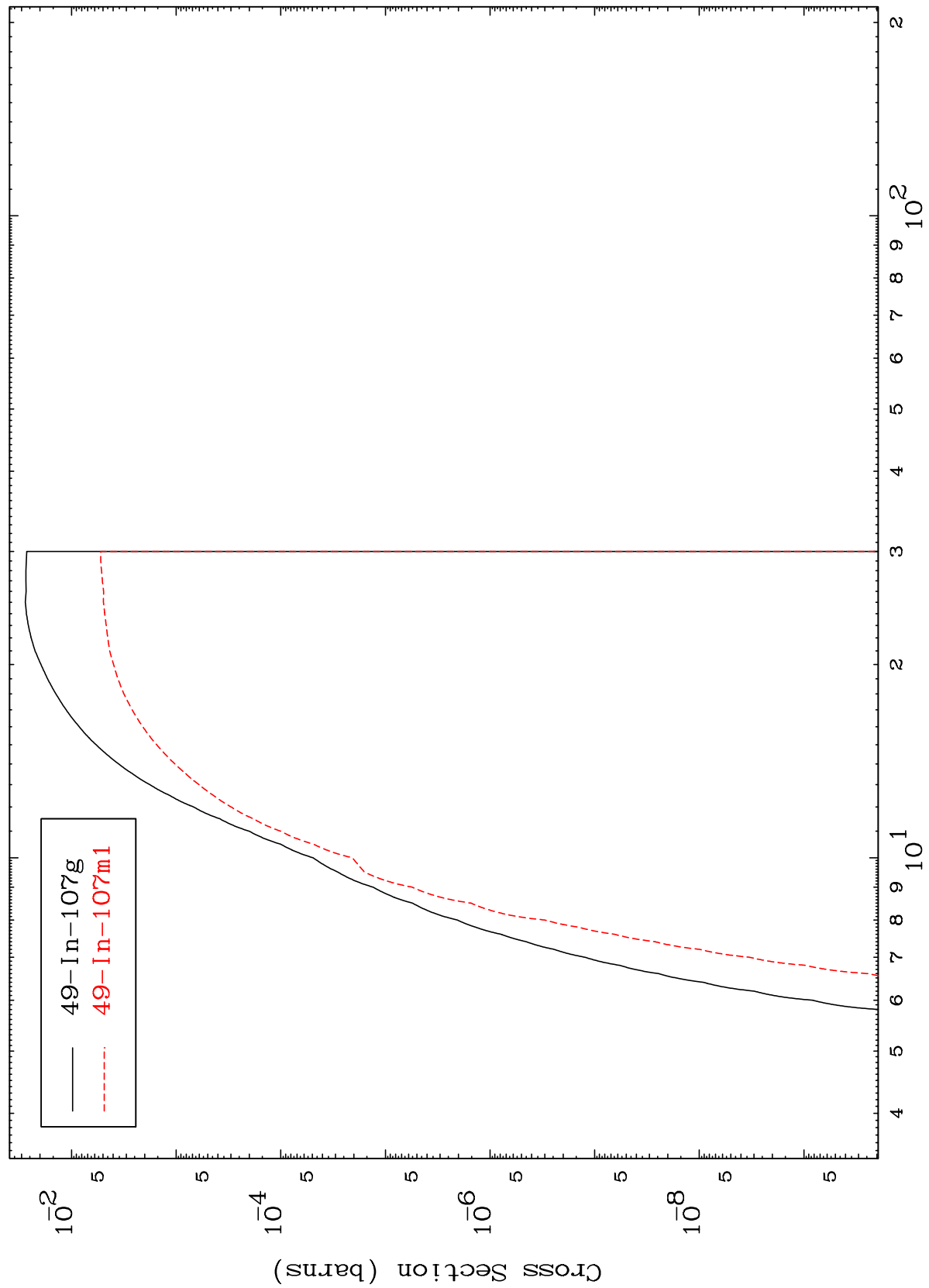


— 49-In-108g
- - - 49-In-108m1

MAT 5013

50-Sn-108

(n,d)
Radionuclide Production Cross Section



93

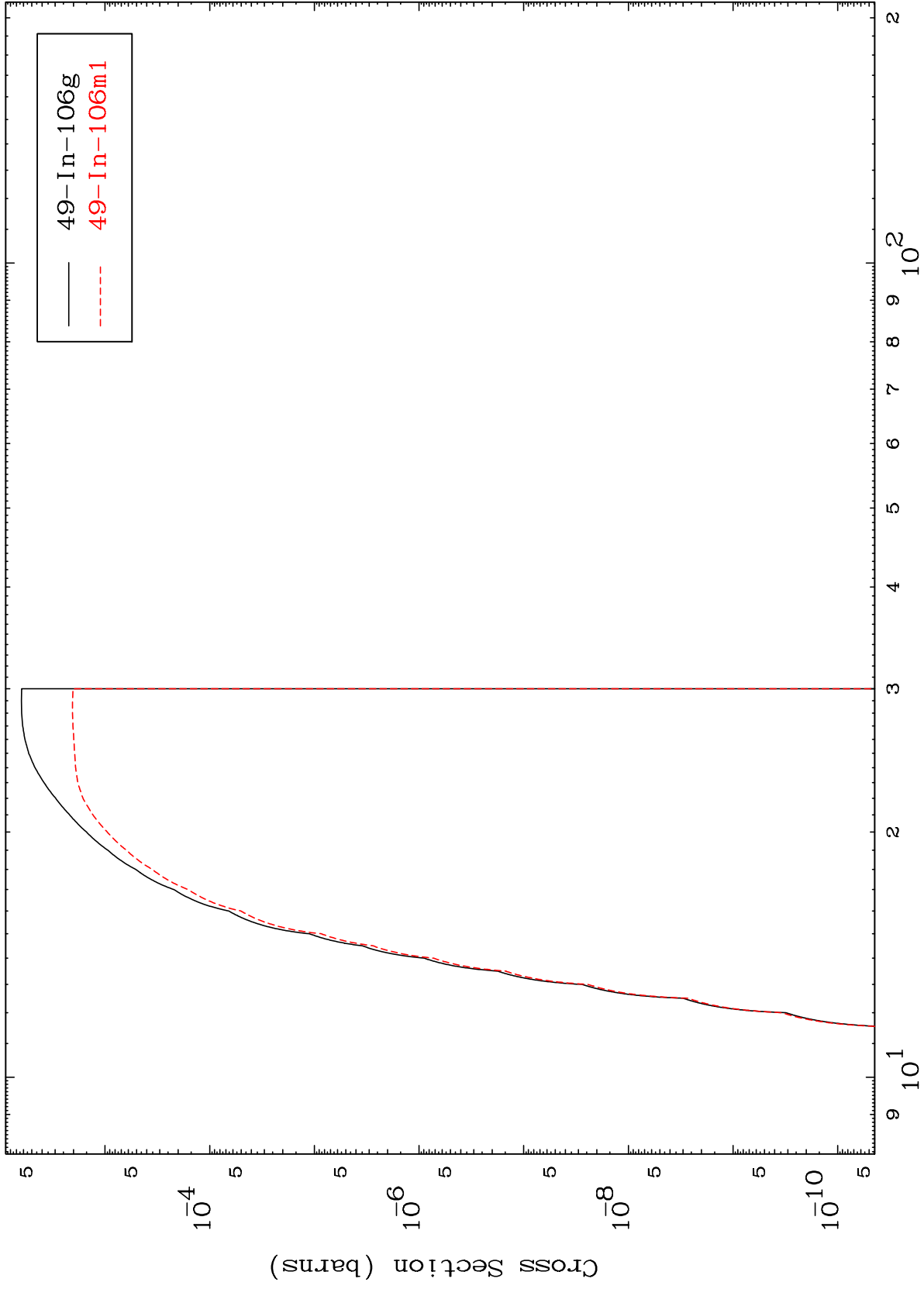
50-Sn-108

Incident Energy (MeV)

MAT 5013

50-Sn-108

(n,t)
Radionuclide Production Cross Section



94

Incident Energy (MeV)

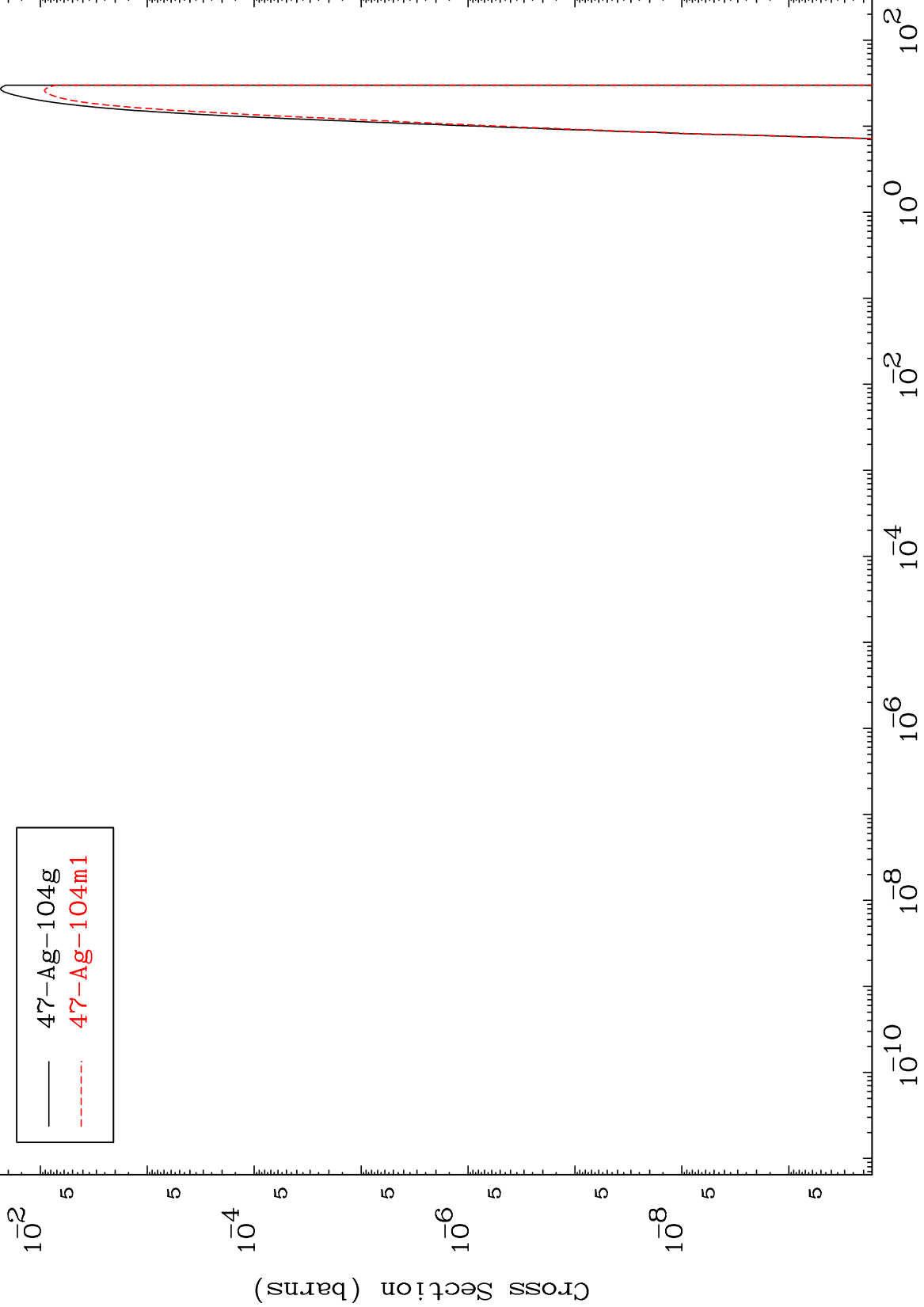
50-Sn-108

MAT 5013

(n,p) α

50-Sn-108

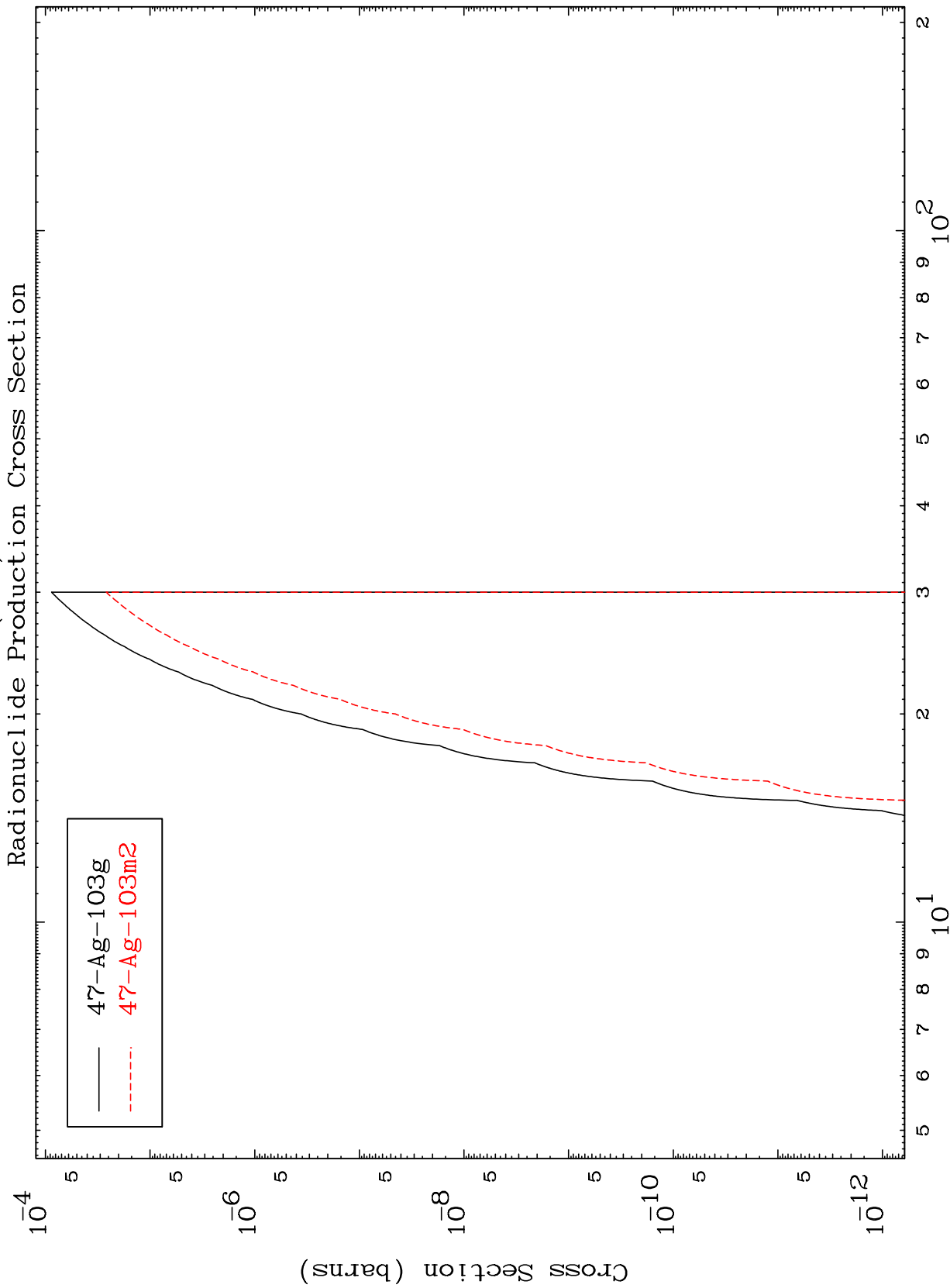
Radionuclide Production Cross Section



MAT 5013

(n,d) α

50-Sn-108



96

Incident Energy (MeV)

50-Sn-108