

Program EVALPLOT  
(Version 2021-1)

by

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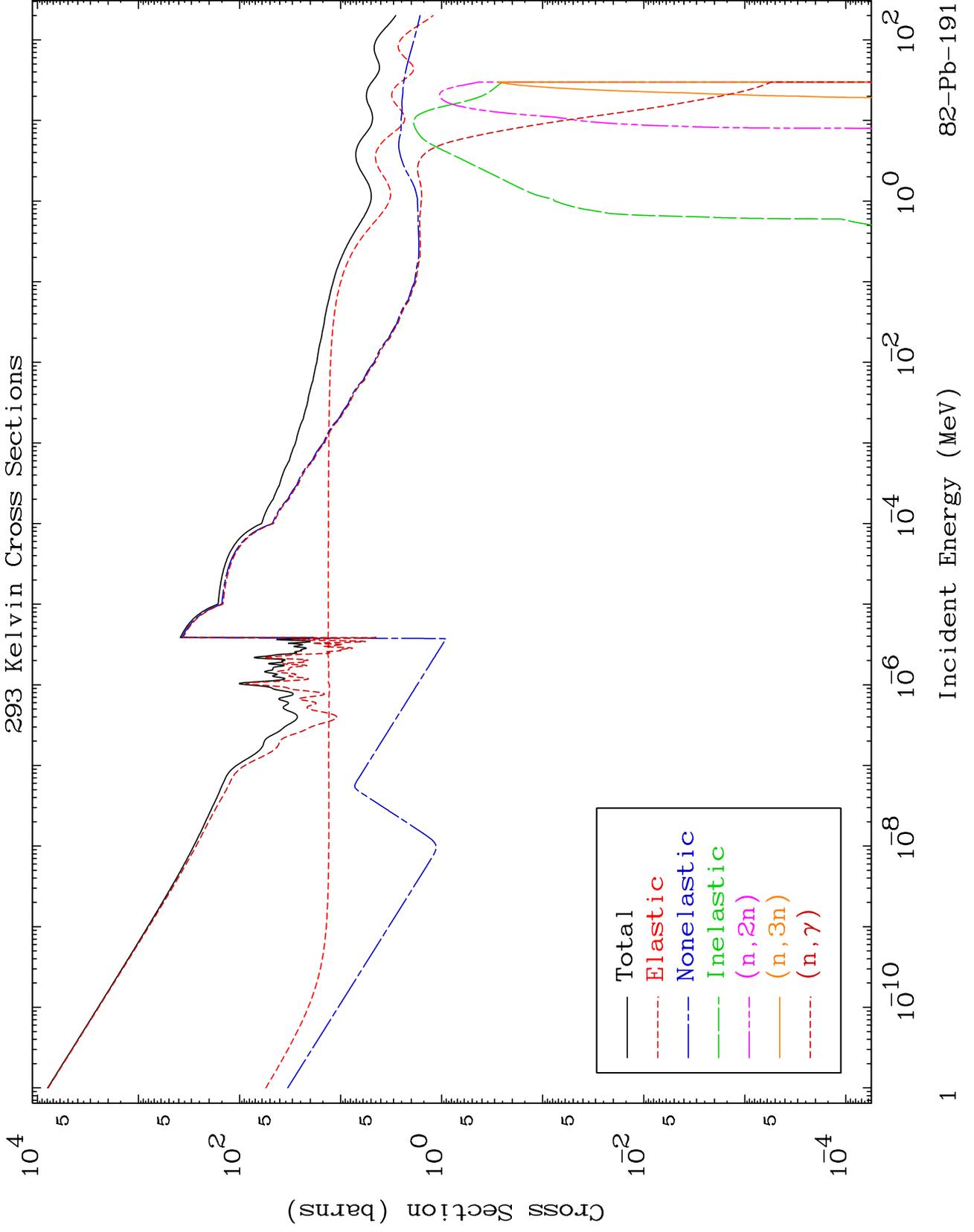
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Press Mouse Button to Start

MAT 8186

Neutron Major  
293 Kelvin Cross Sections

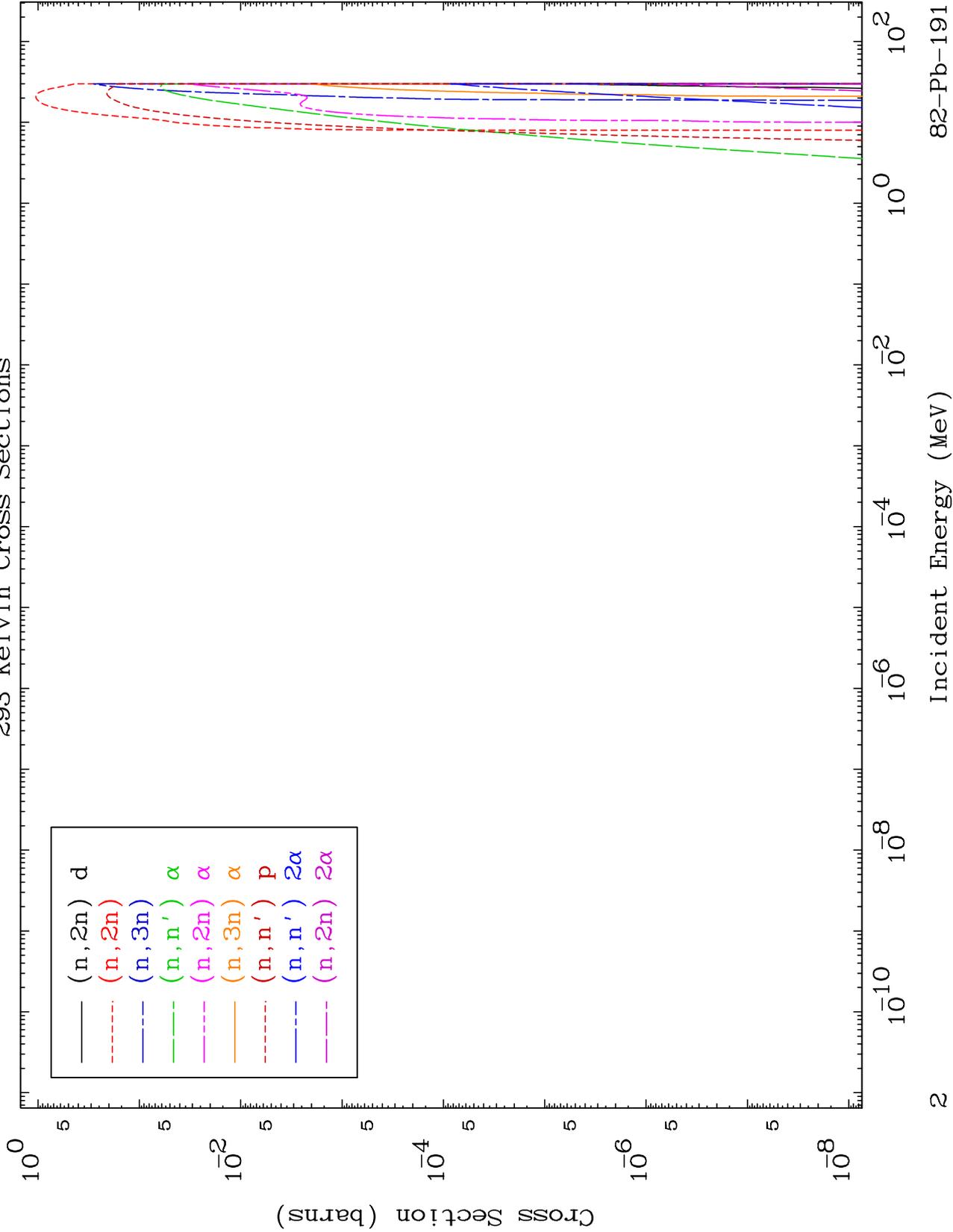
82-Pb-191



MAT 8186

Neutron Absorption  
293 Kelvin Cross Sections

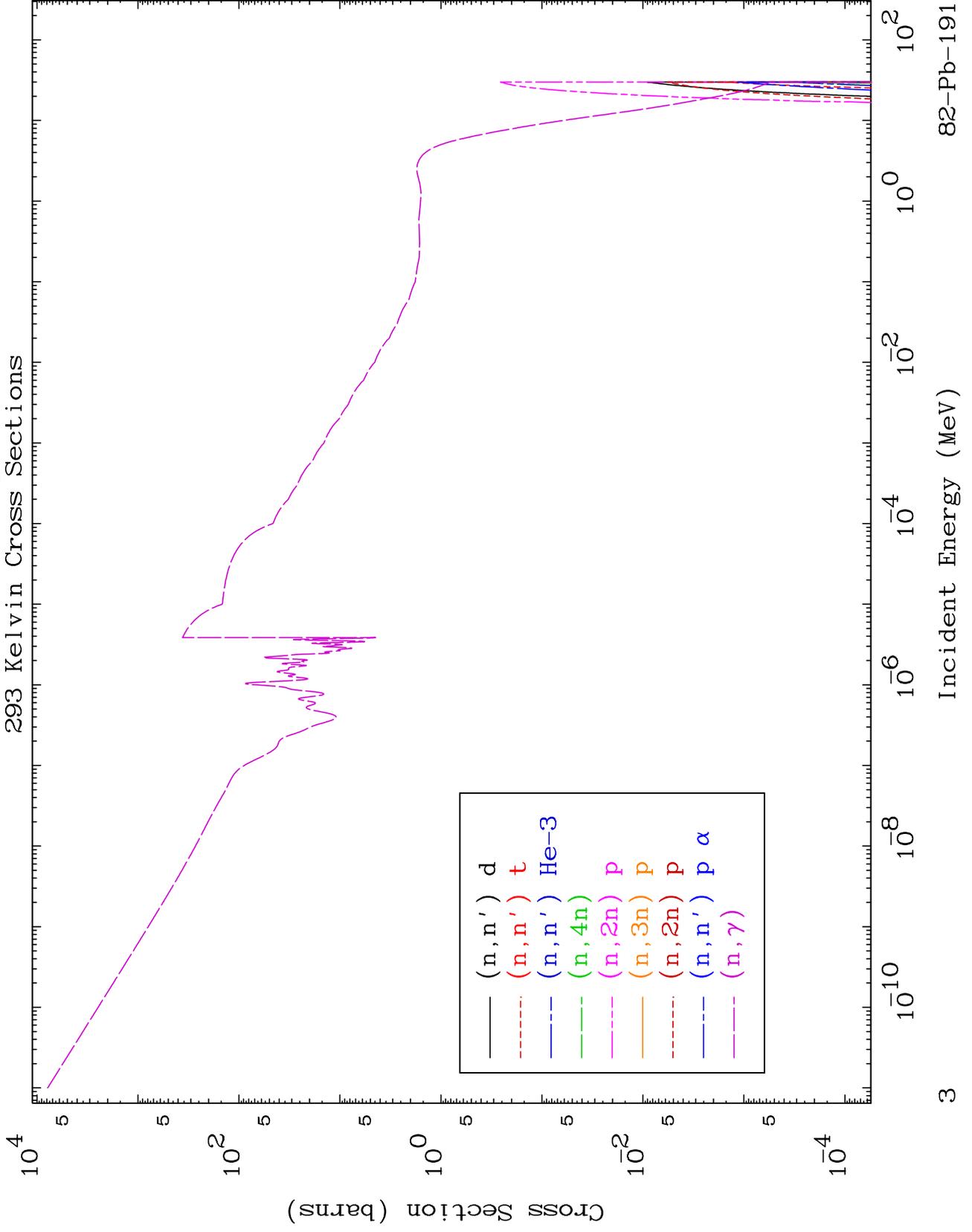
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MAT 8186

Neutron Absorption  
293 Kelvin Cross Sections

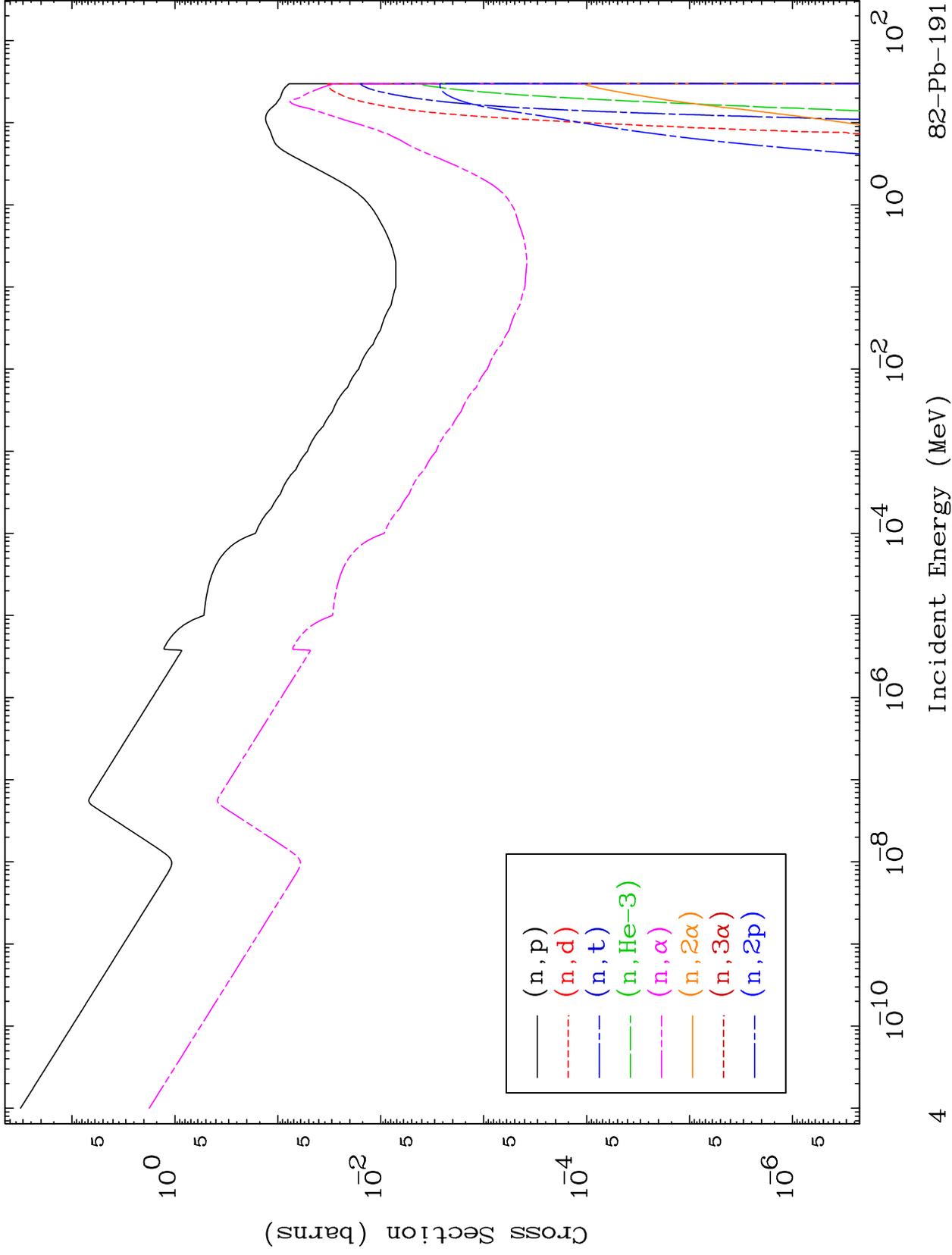
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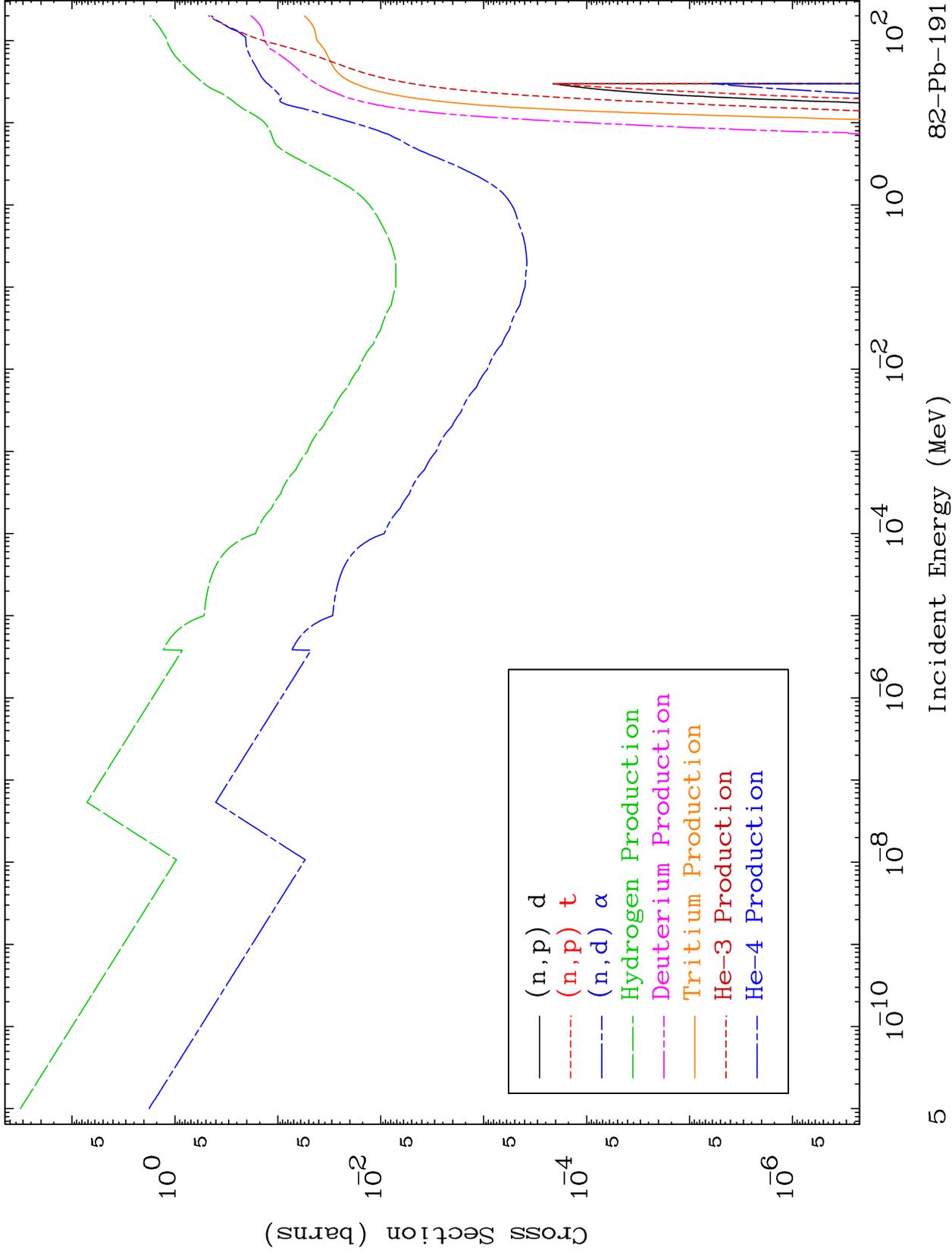


MAT 8186

Neutron Absorption  
293 Kelvin Cross Sections

82-Pb-191

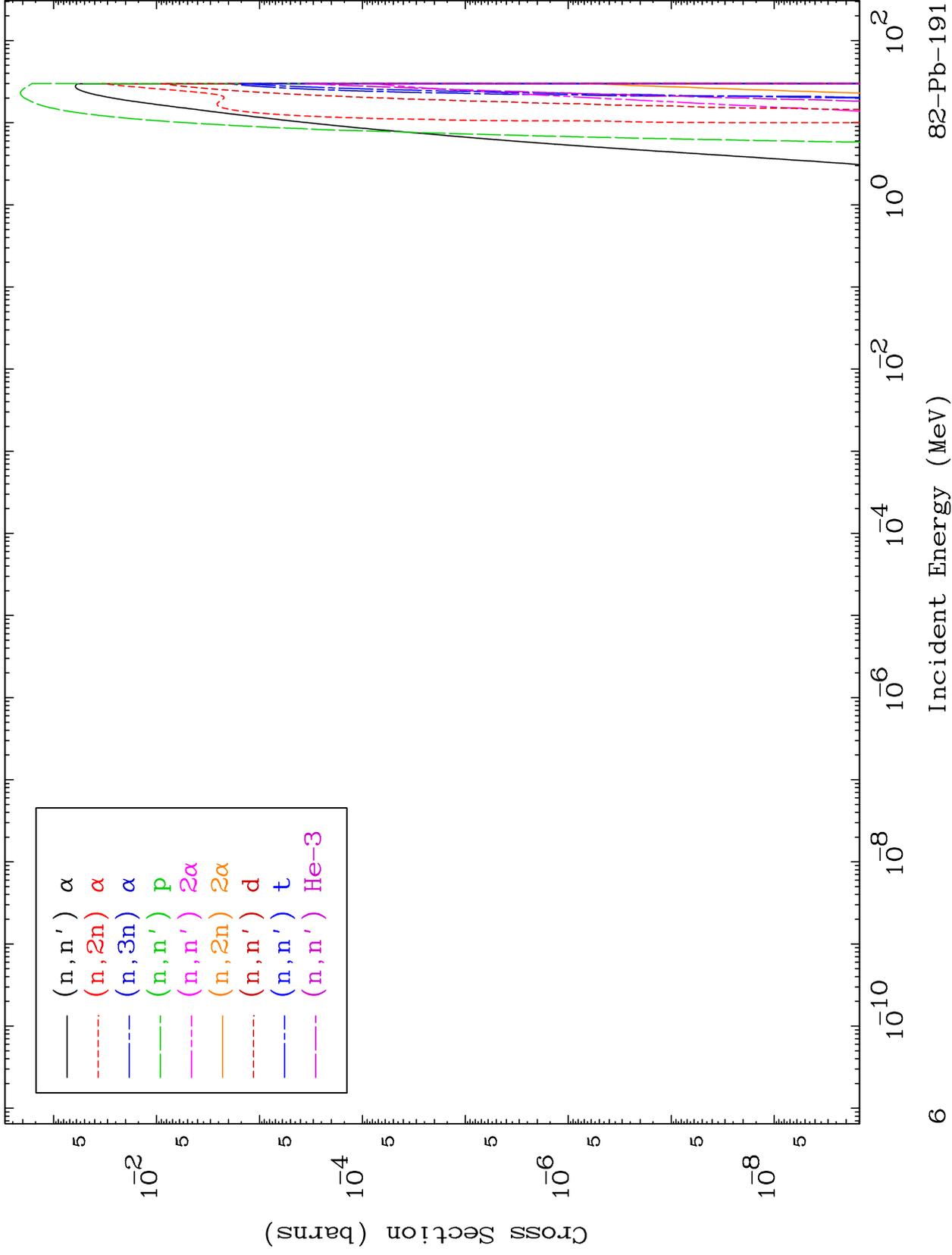




MAT 8186

Charged Particle  
293 Kelvin Cross Sections

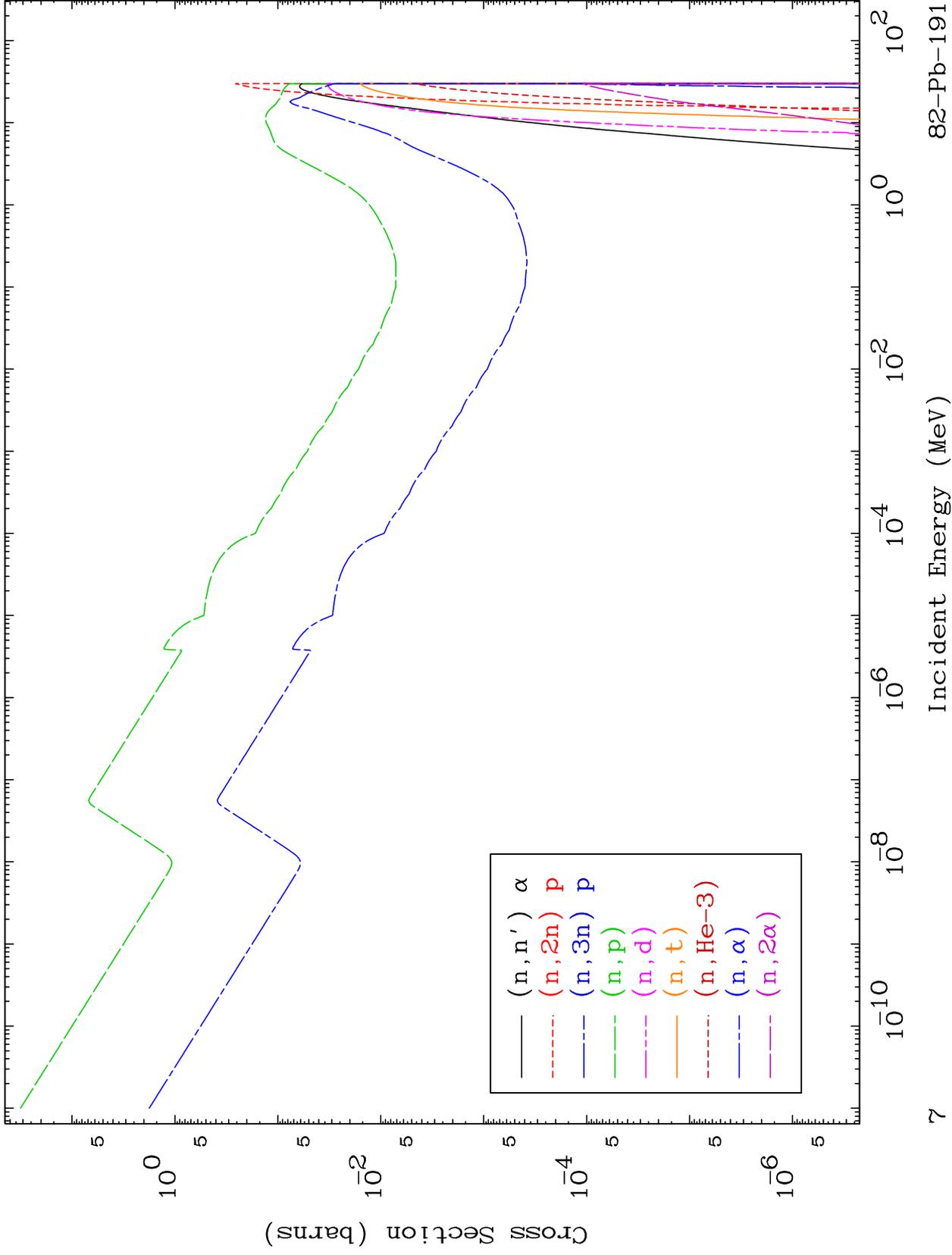
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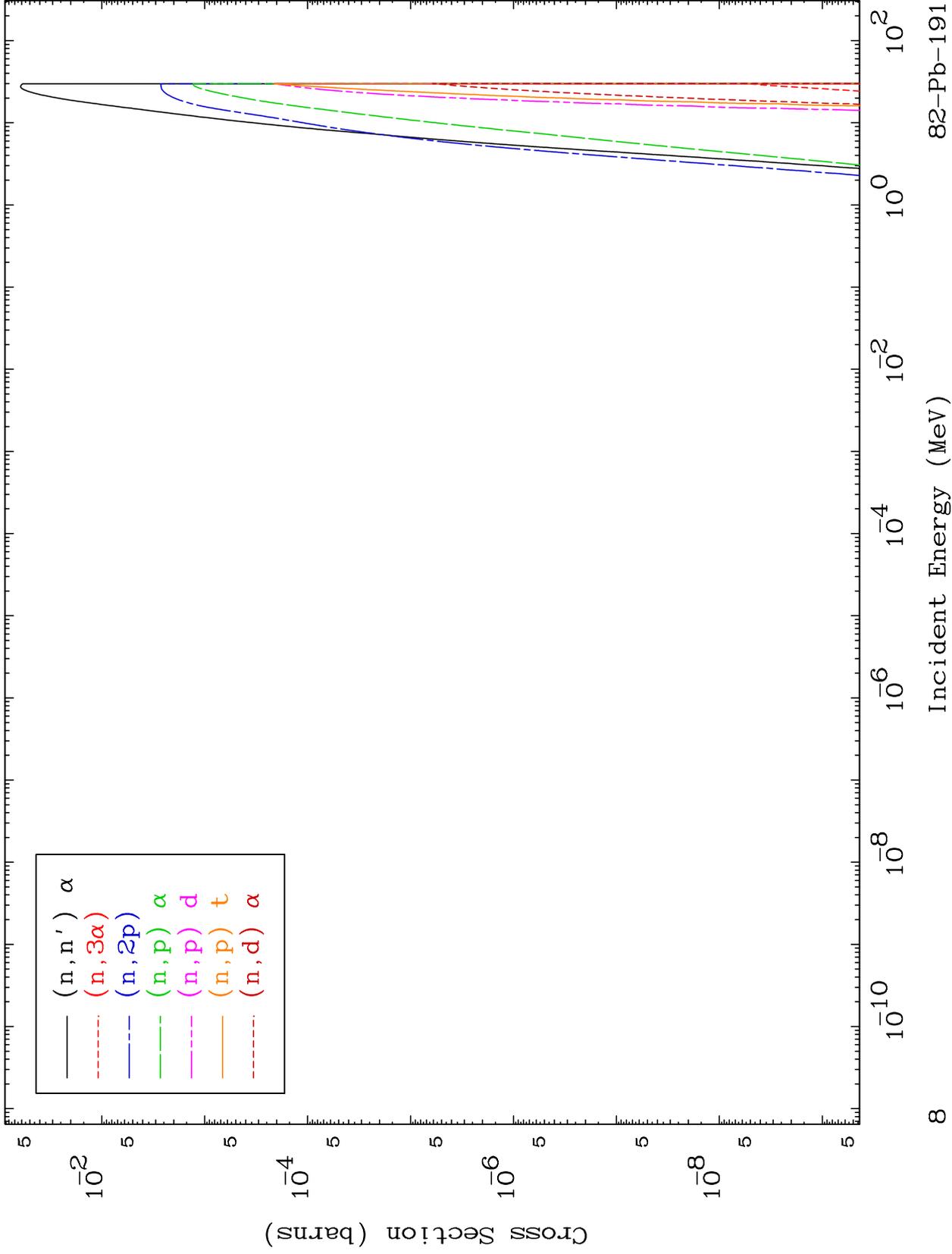


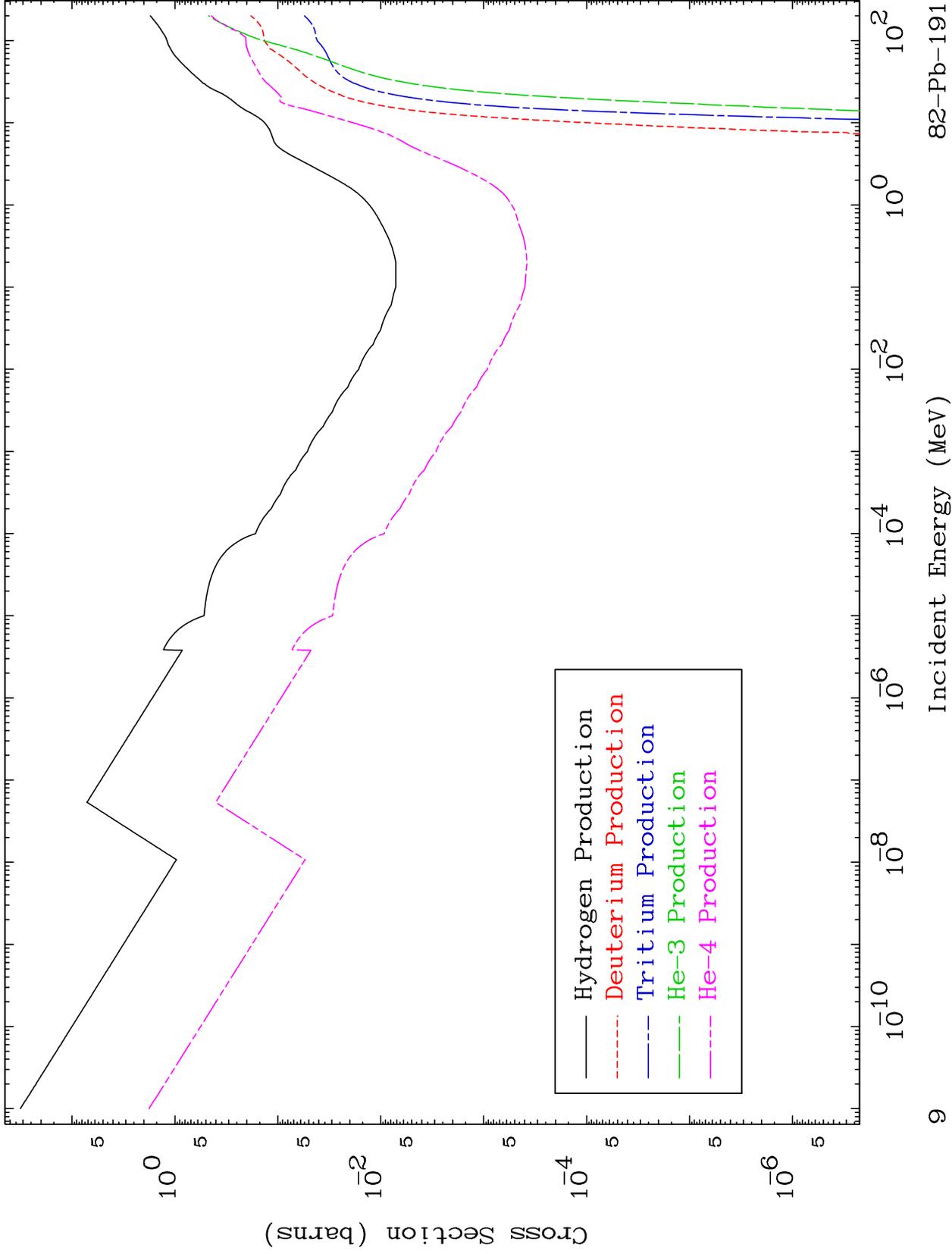
MAT 8186

Charged Particle  
293 Kelvin Cross Sections

82-Pb-191



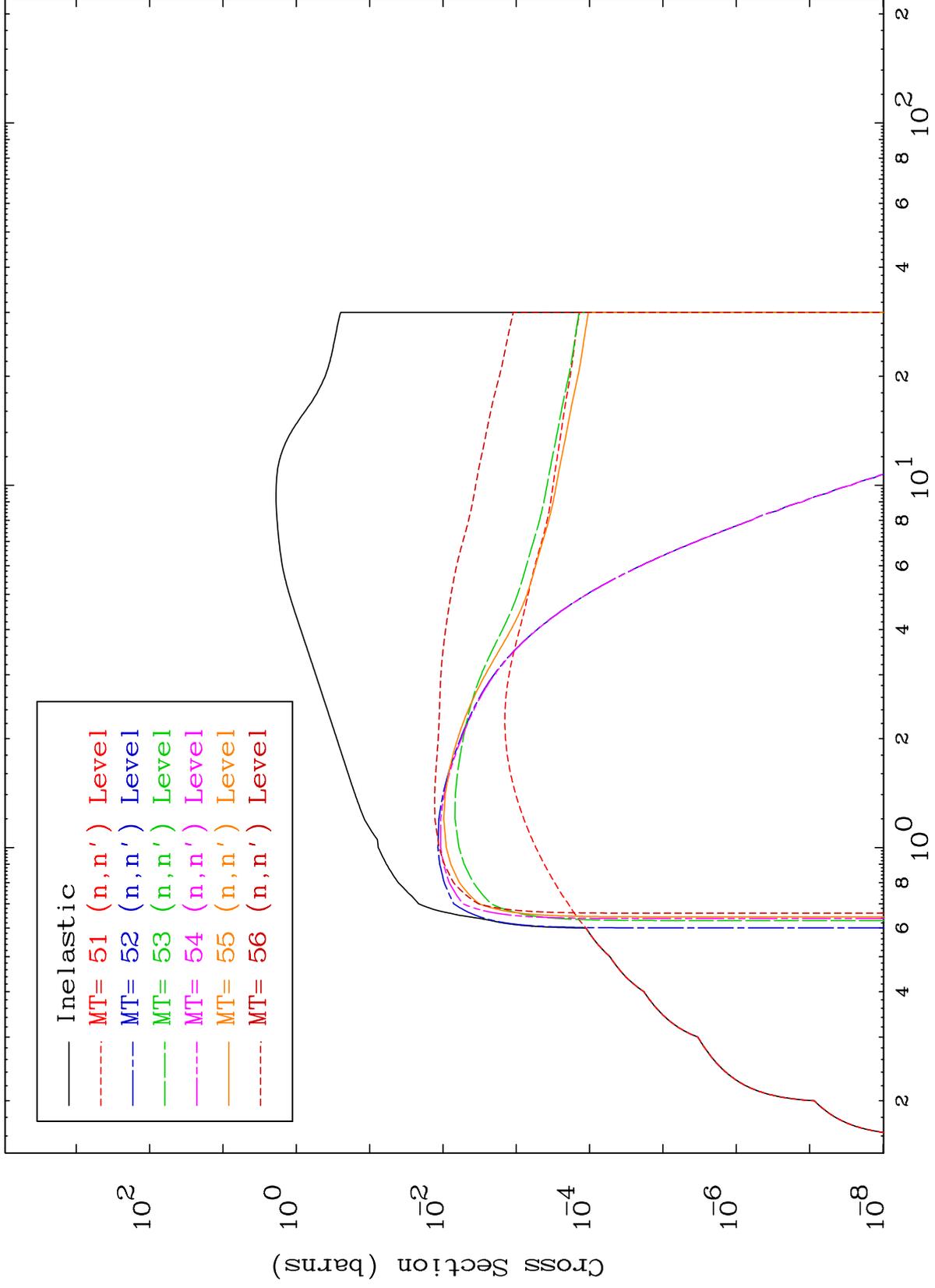




MAT 8186

(n,n') Levels  
293 Kelvin Cross Sections

82-Pb-191



10

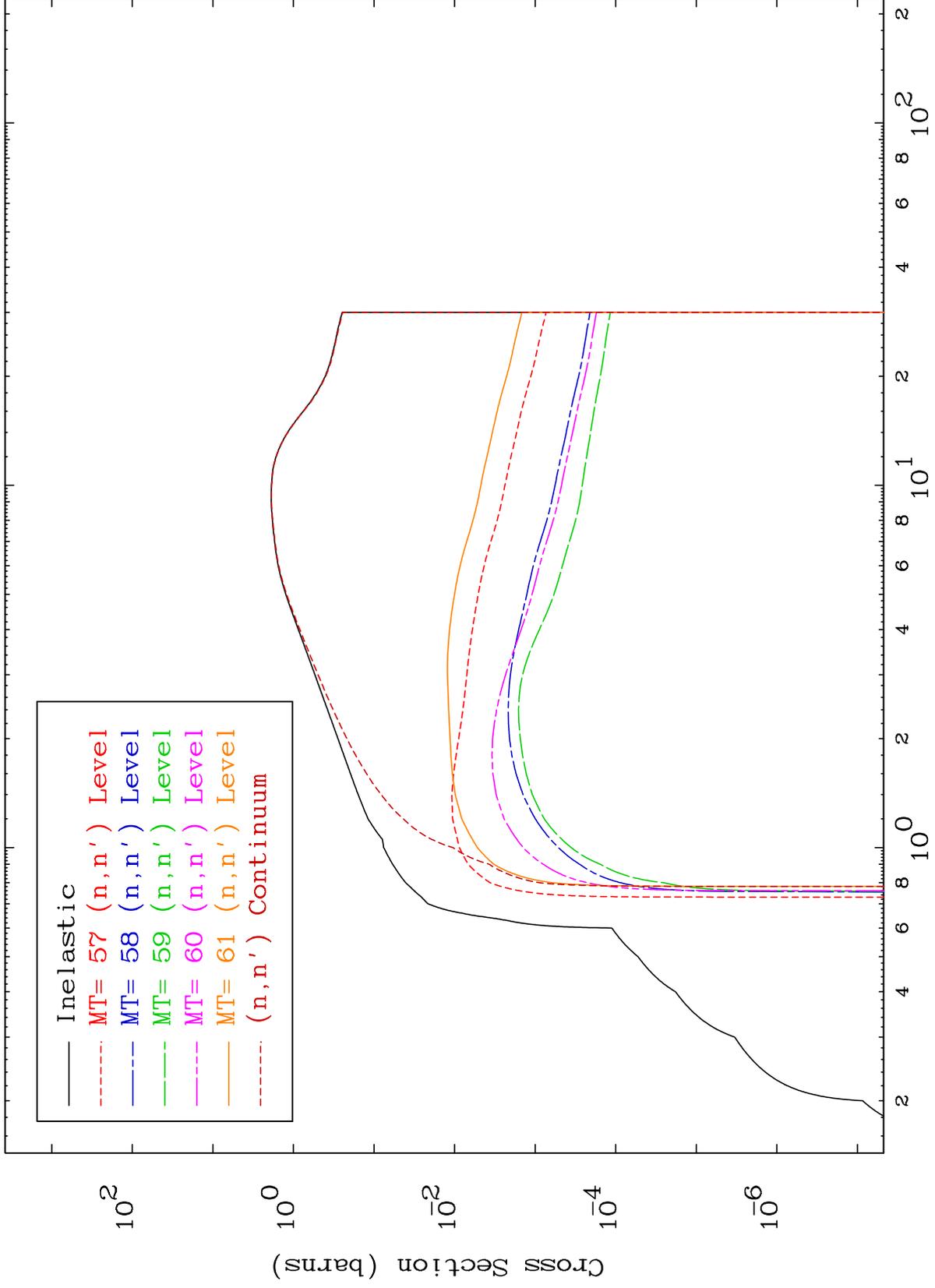
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,n') Levels  
293 Kelvin Cross Sections

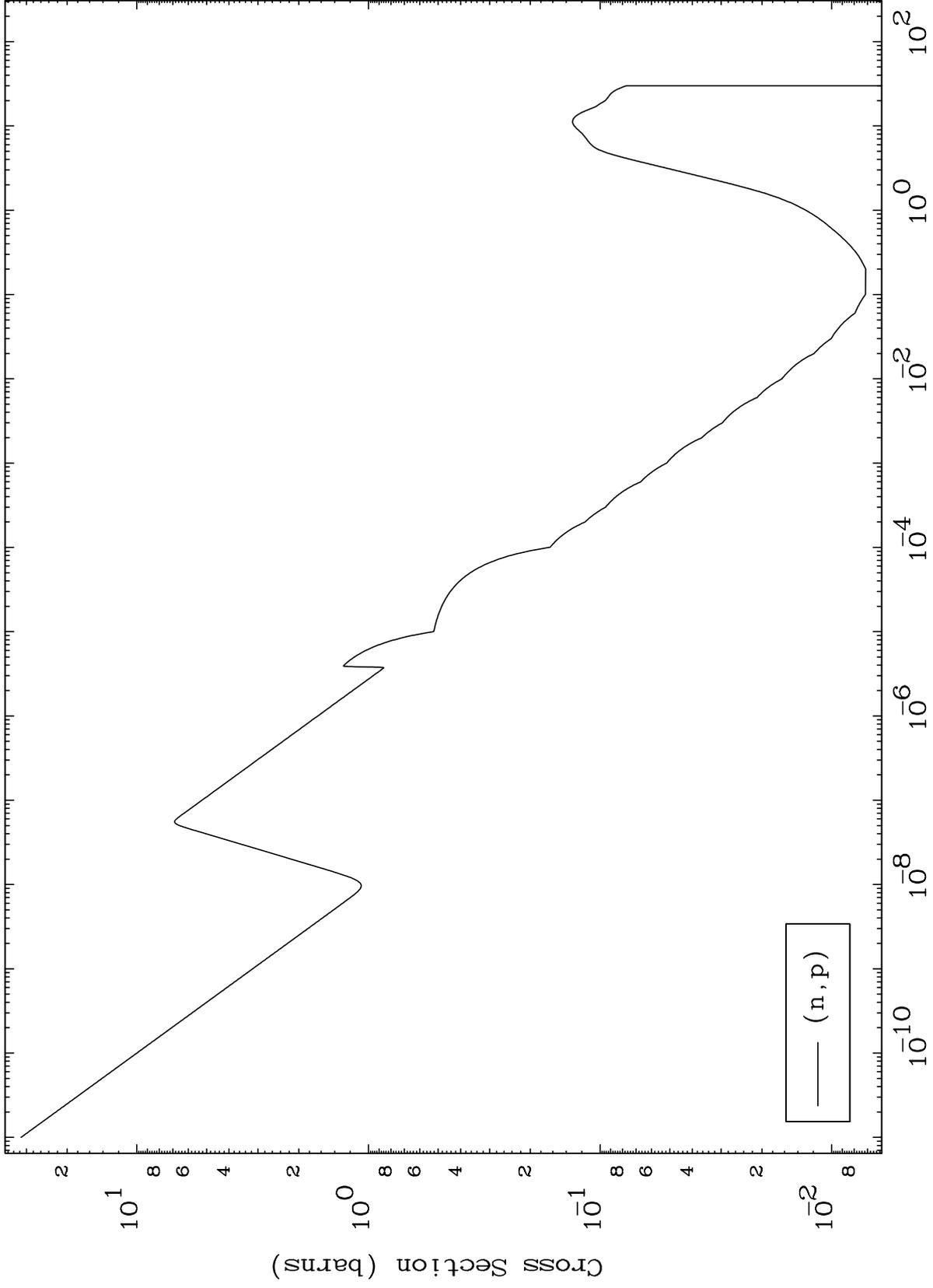
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MAT 8186

(n,p) Levels  
293 Kelvin Cross Sections

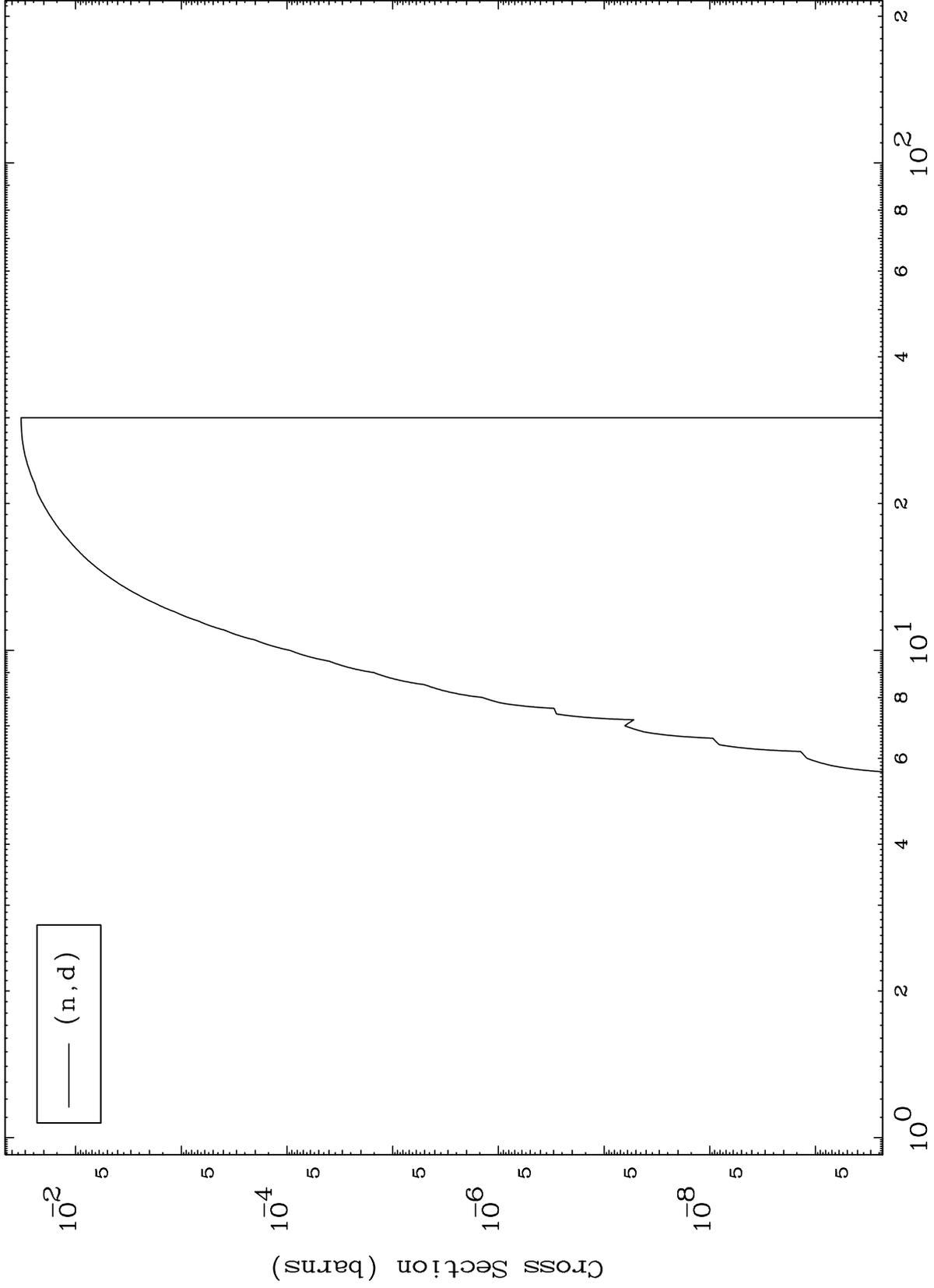
82-Pb-191



MAT 8186

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-191



13

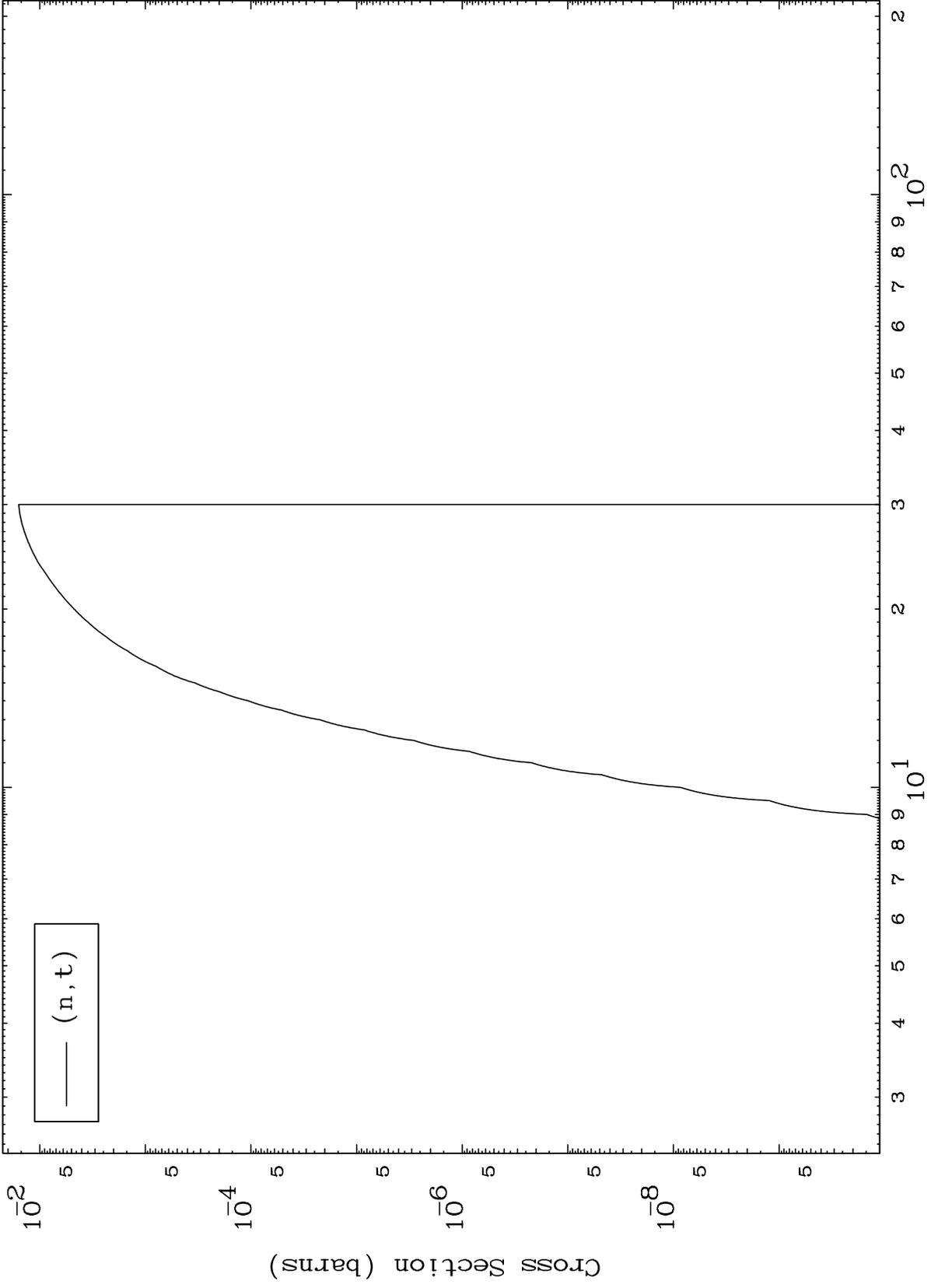
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-191



14

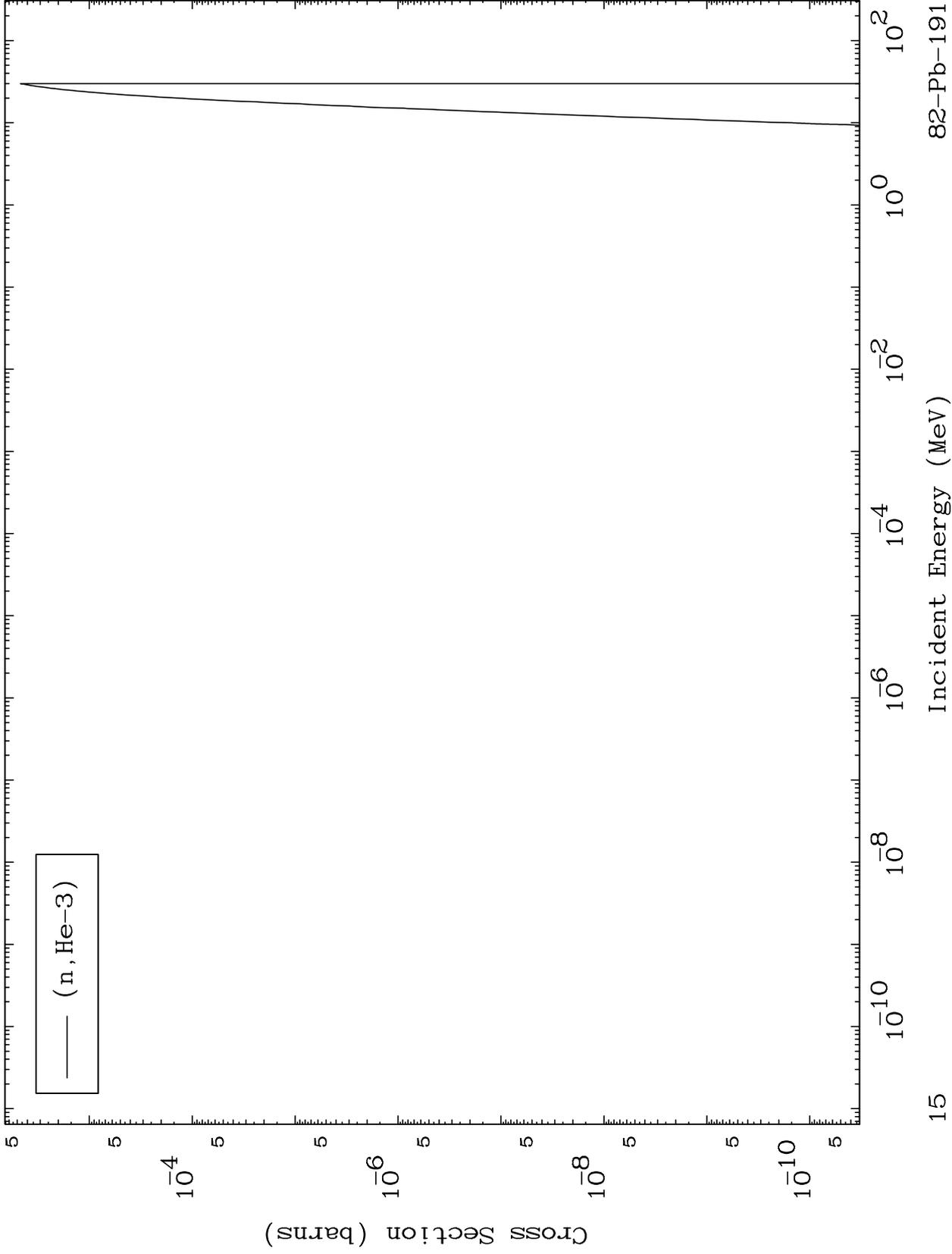
Incident Energy (MeV)

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MAT 8186

(n,He3) Levels  
293 Kelvin Cross Sections

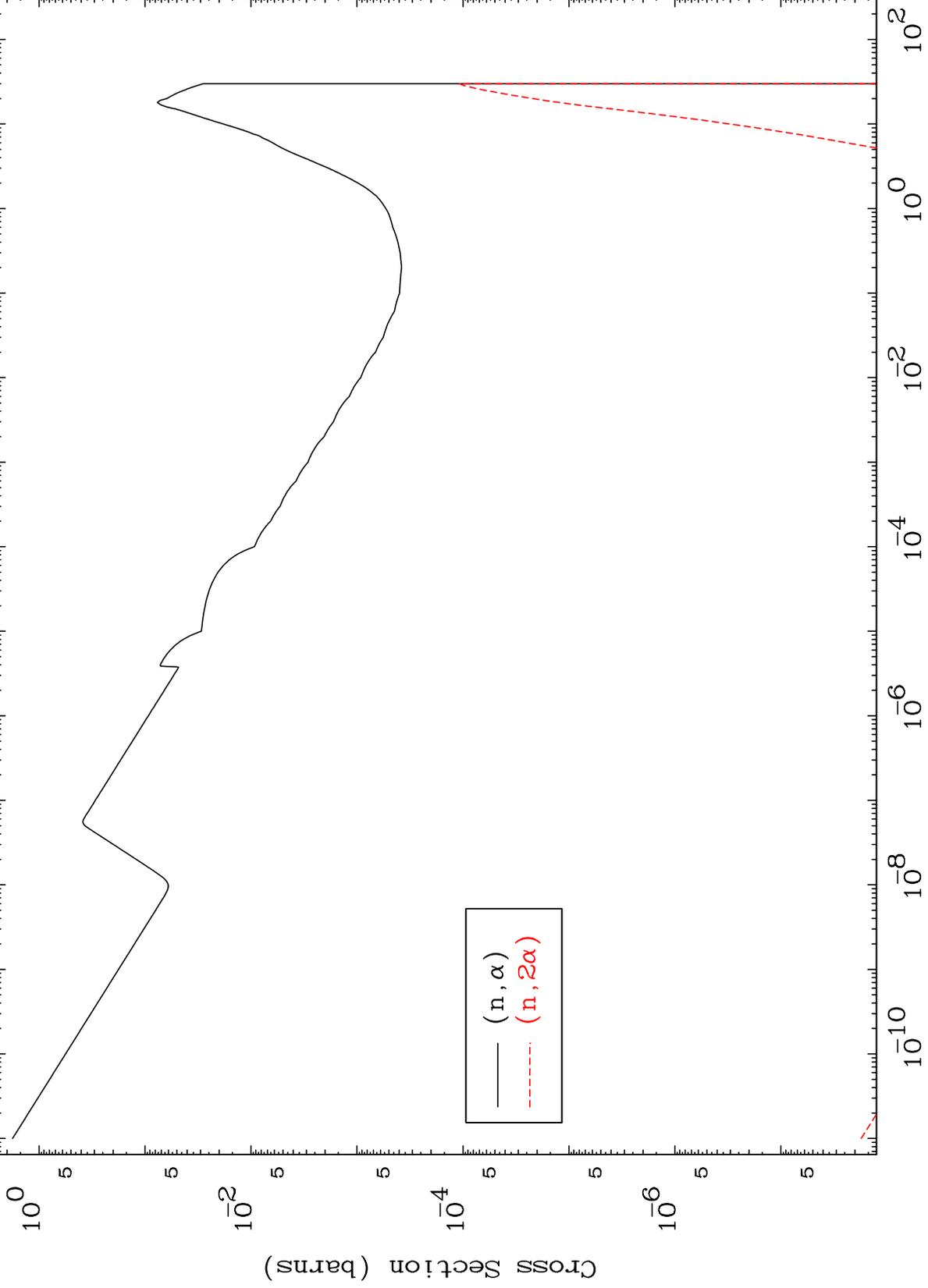
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MAT 8186

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

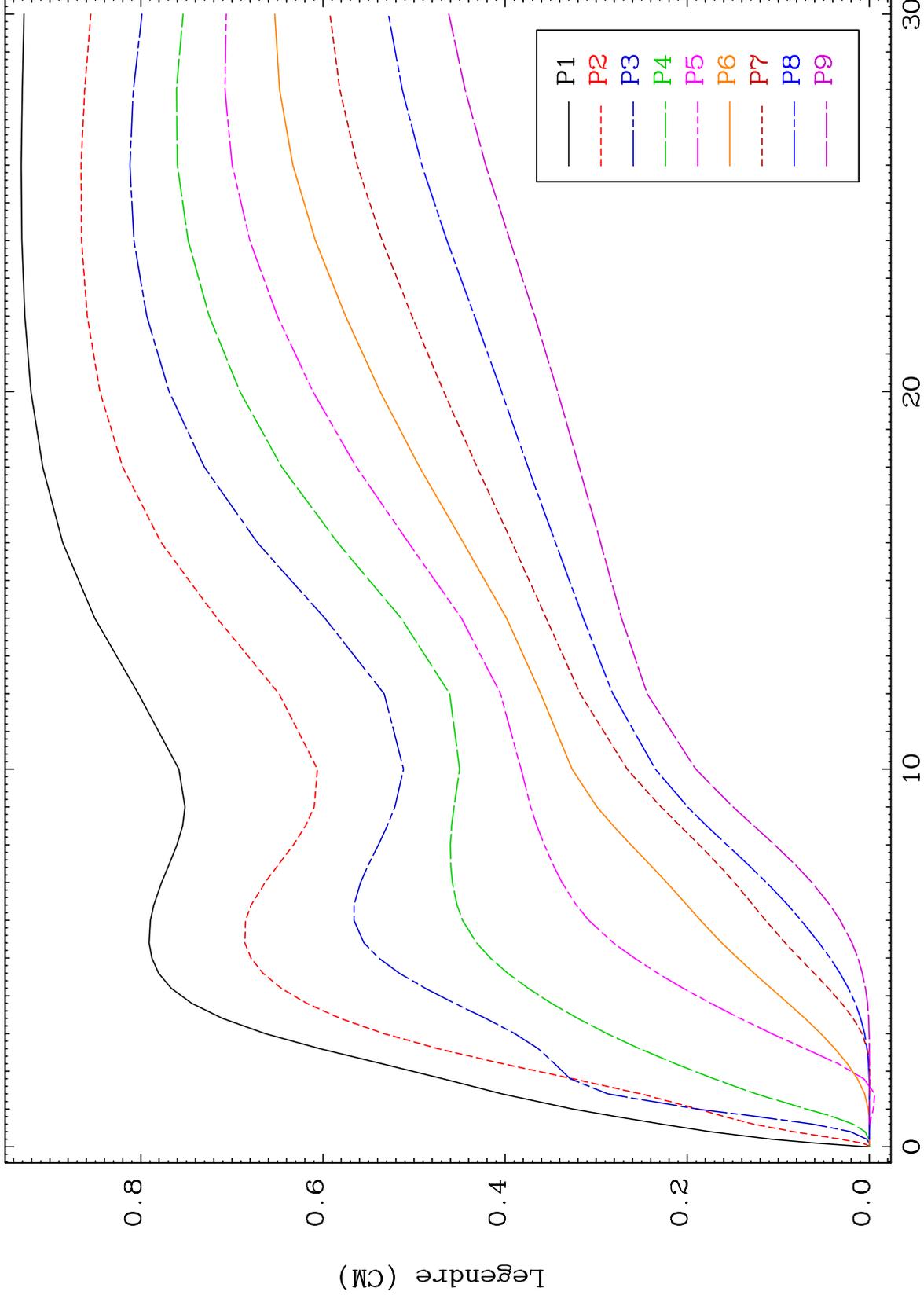
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MAT 8186

82-Pb-191

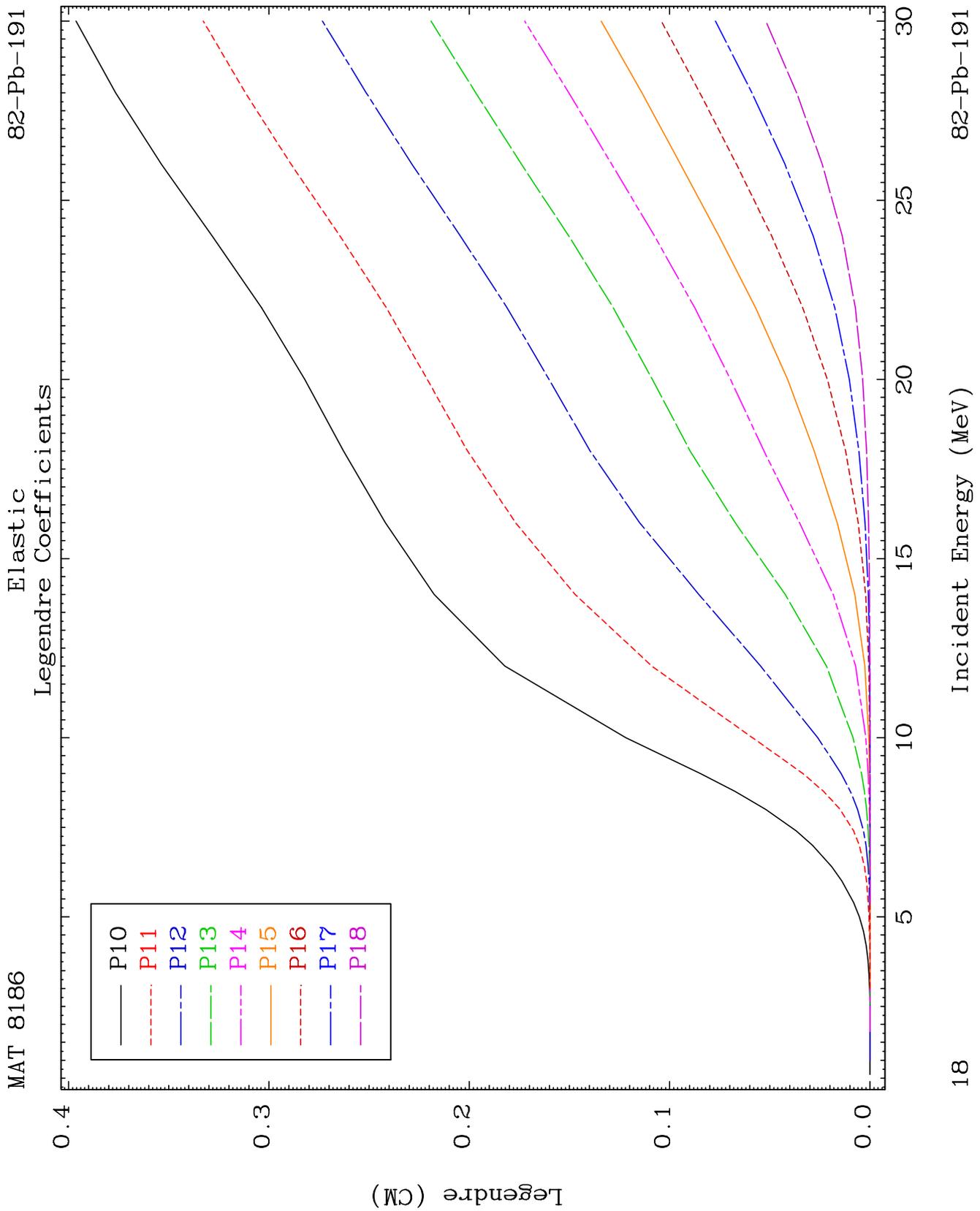
Elastic Legendre Coefficients



17

Incident Energy (MeV)

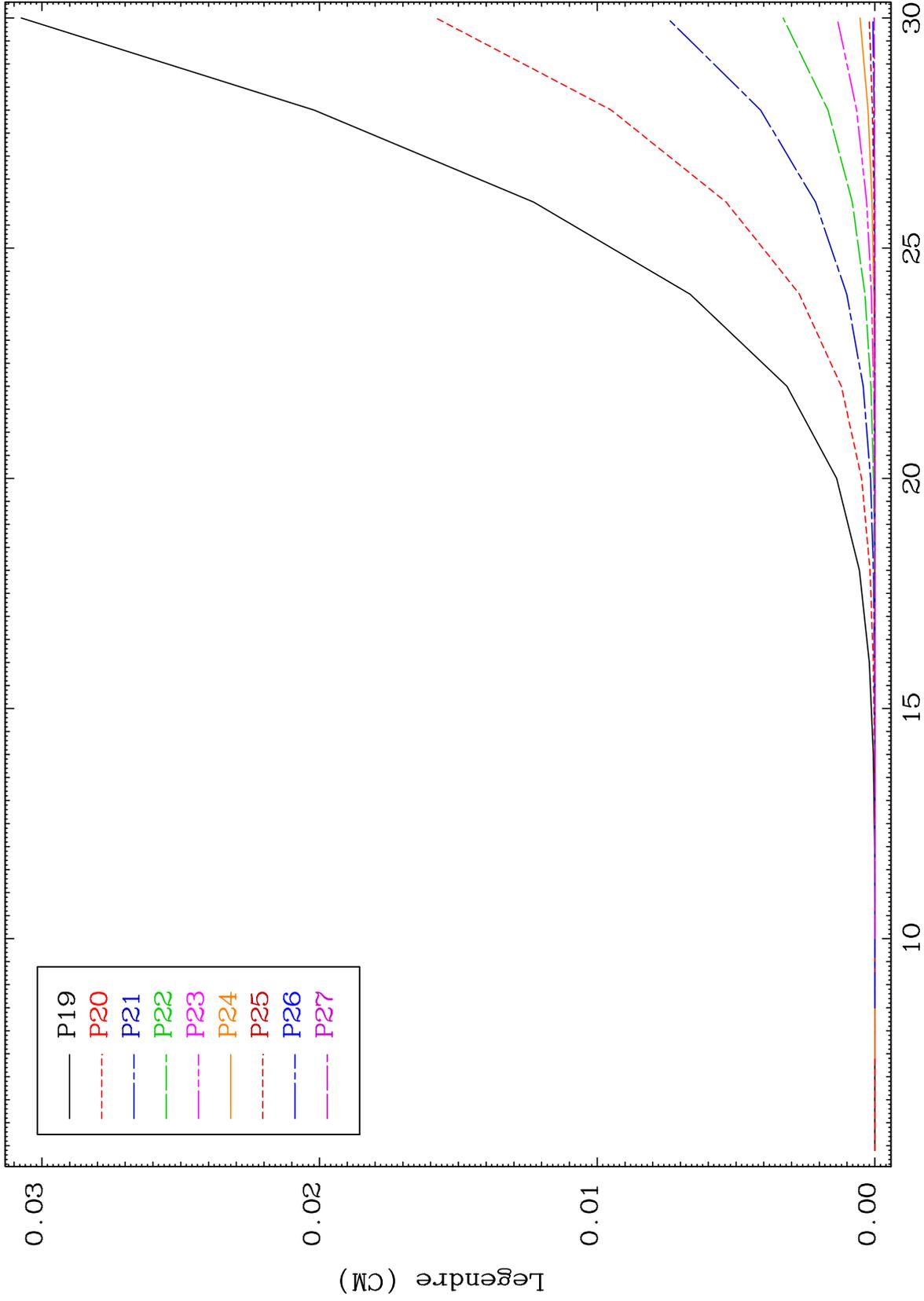
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MAT 8186

Elastic Legendre Coefficients

82-Pb-191



19

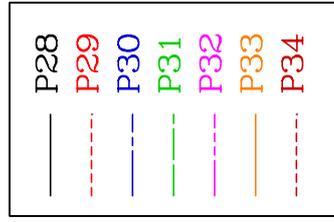
Incident Energy (MeV)

82-Pb-191

MAT 8186

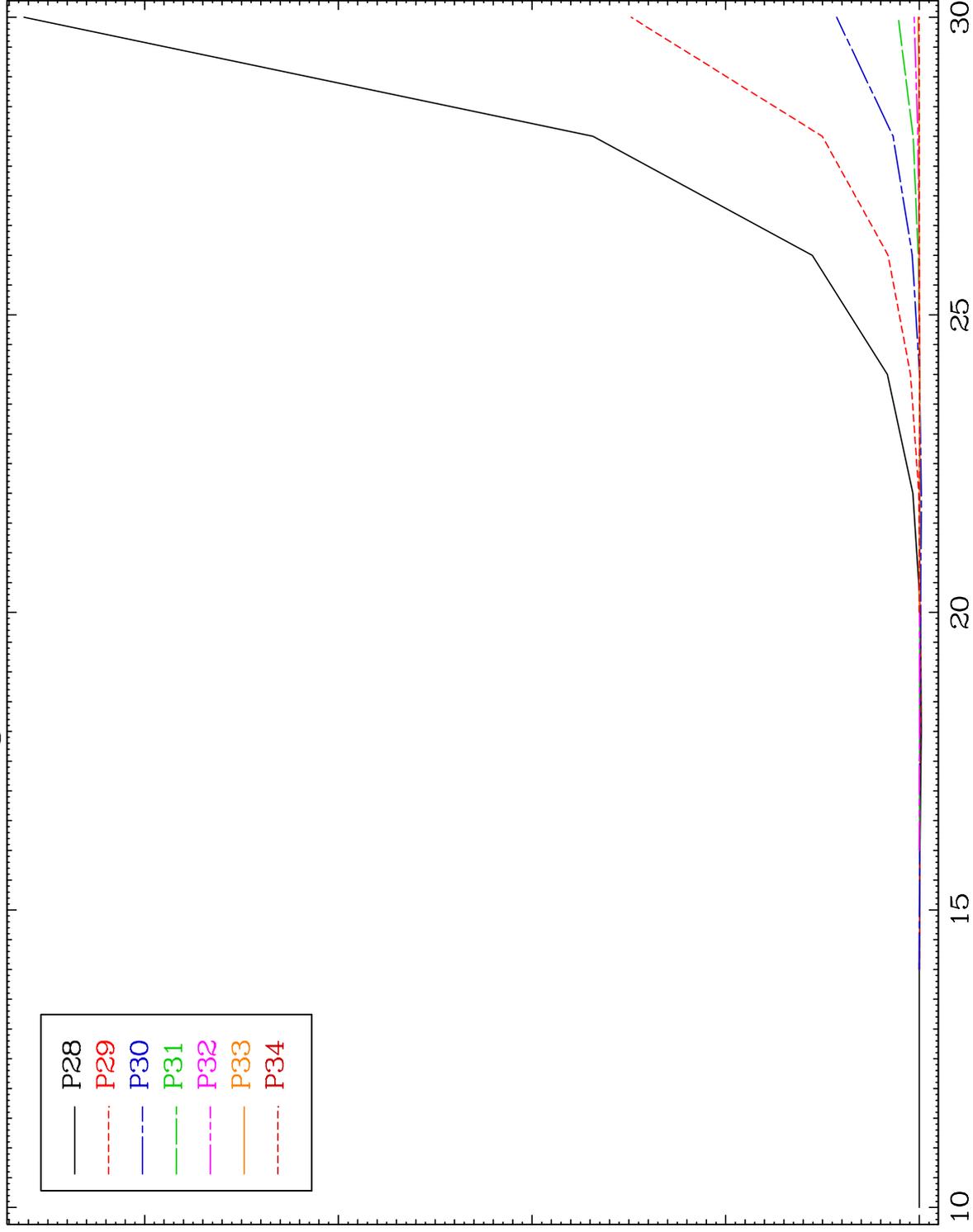
Elastic  
Legendre Coefficients

82-Pb-191



$\times 10^{-6}$

Legendre (CM)



20

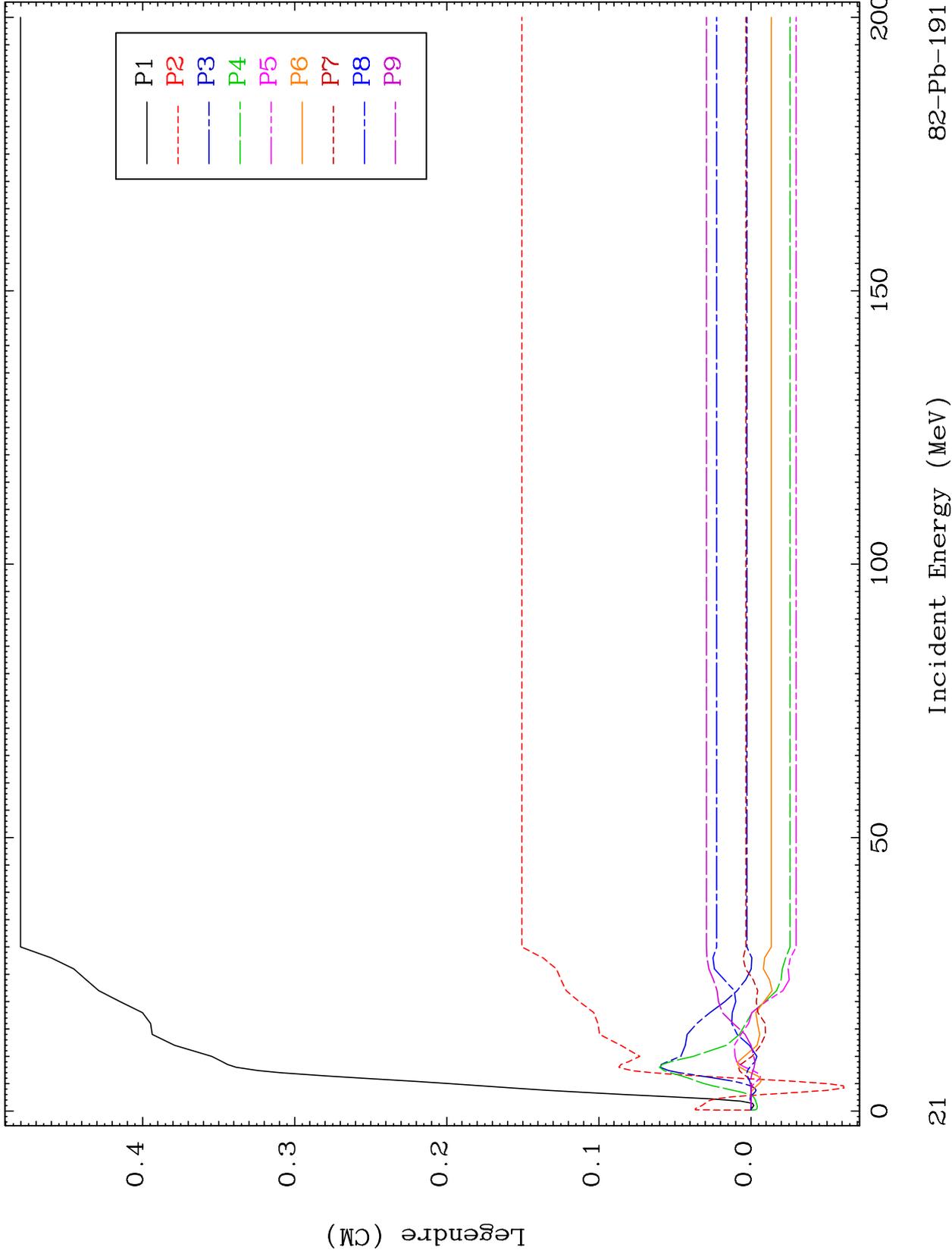
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191

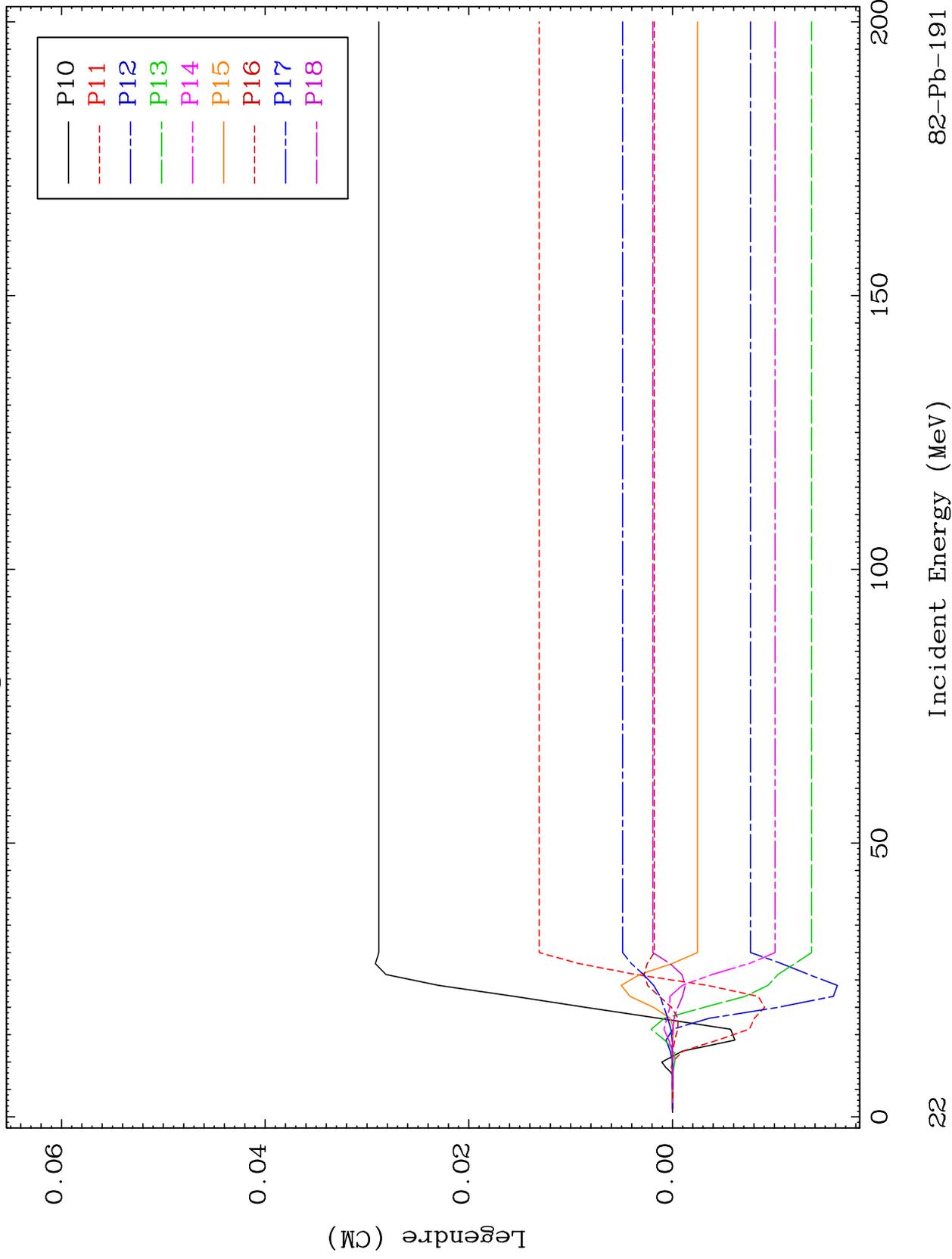


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MAT 8186

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

82-Pb-191



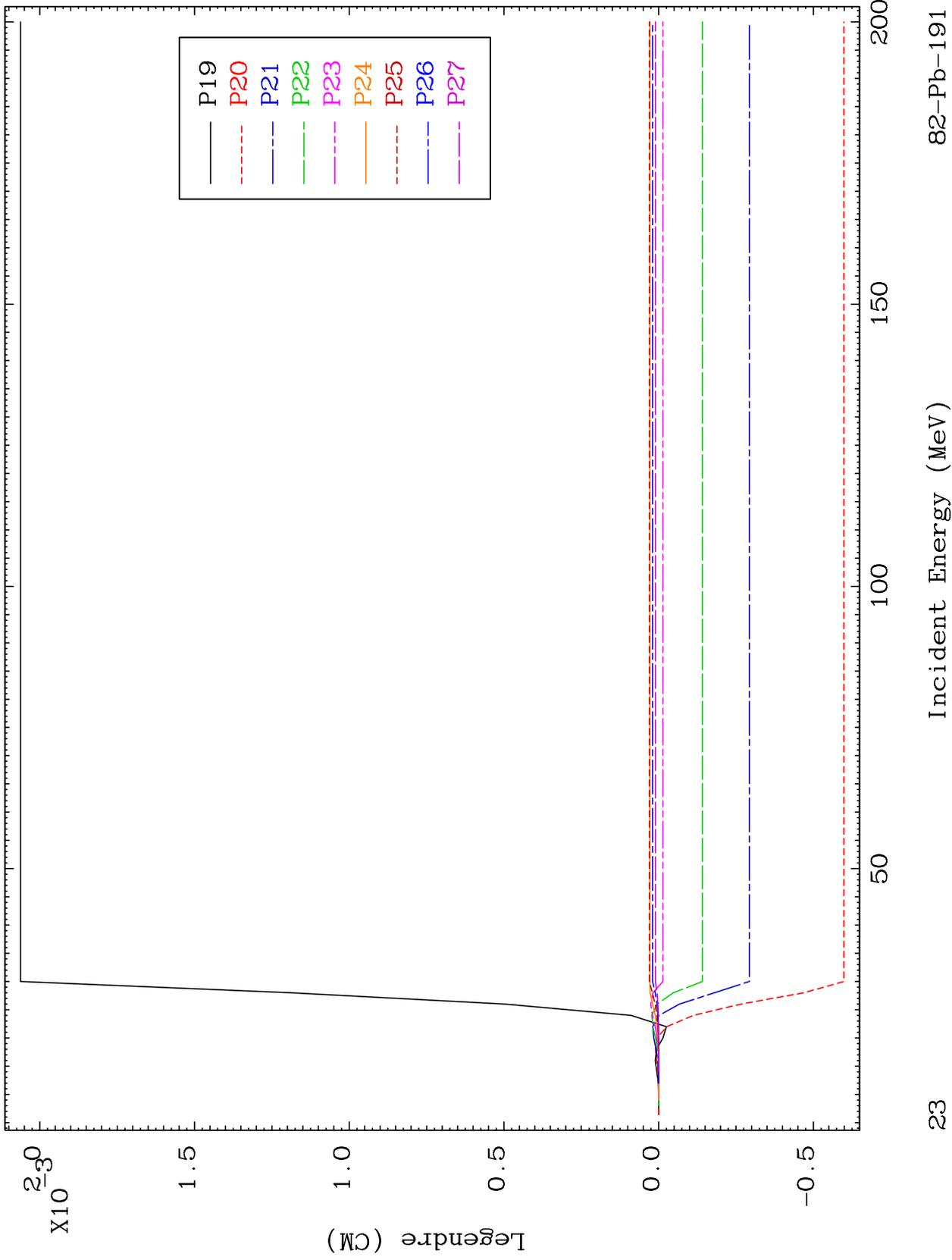
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82-Pb-191

MAT 8186

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

82-Pb-191



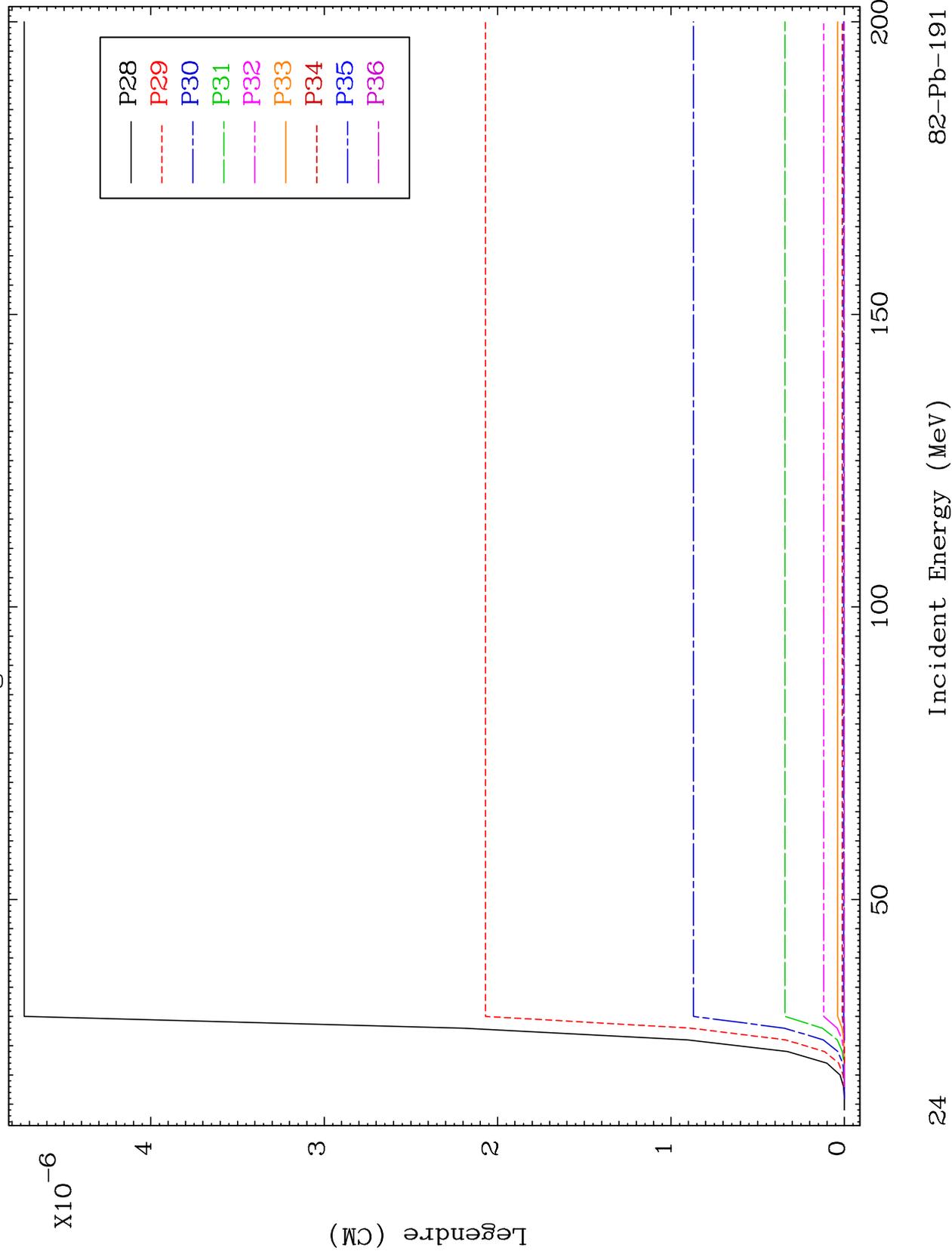
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82-Pb-191

MAT 8186

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

82-Pb-191



24

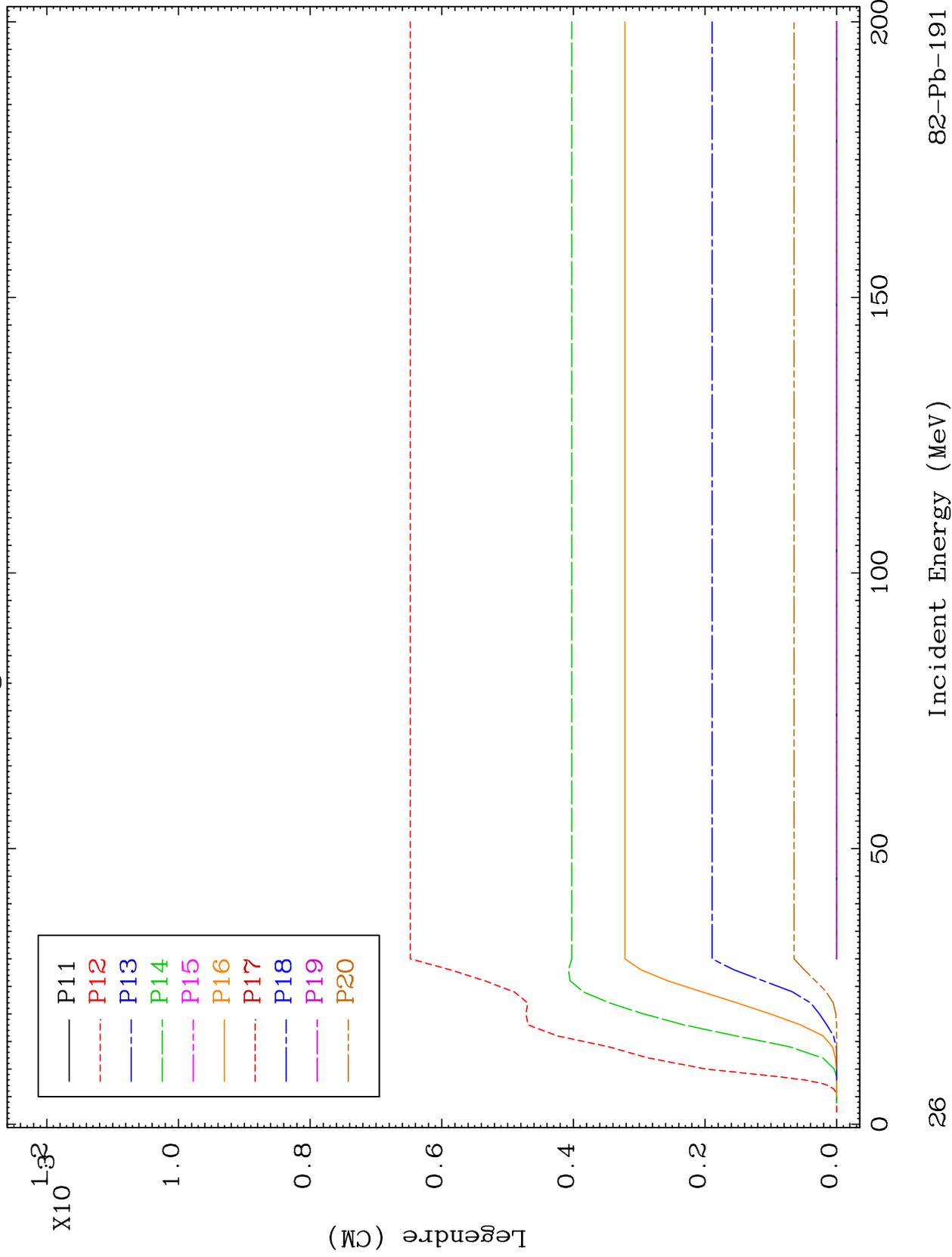
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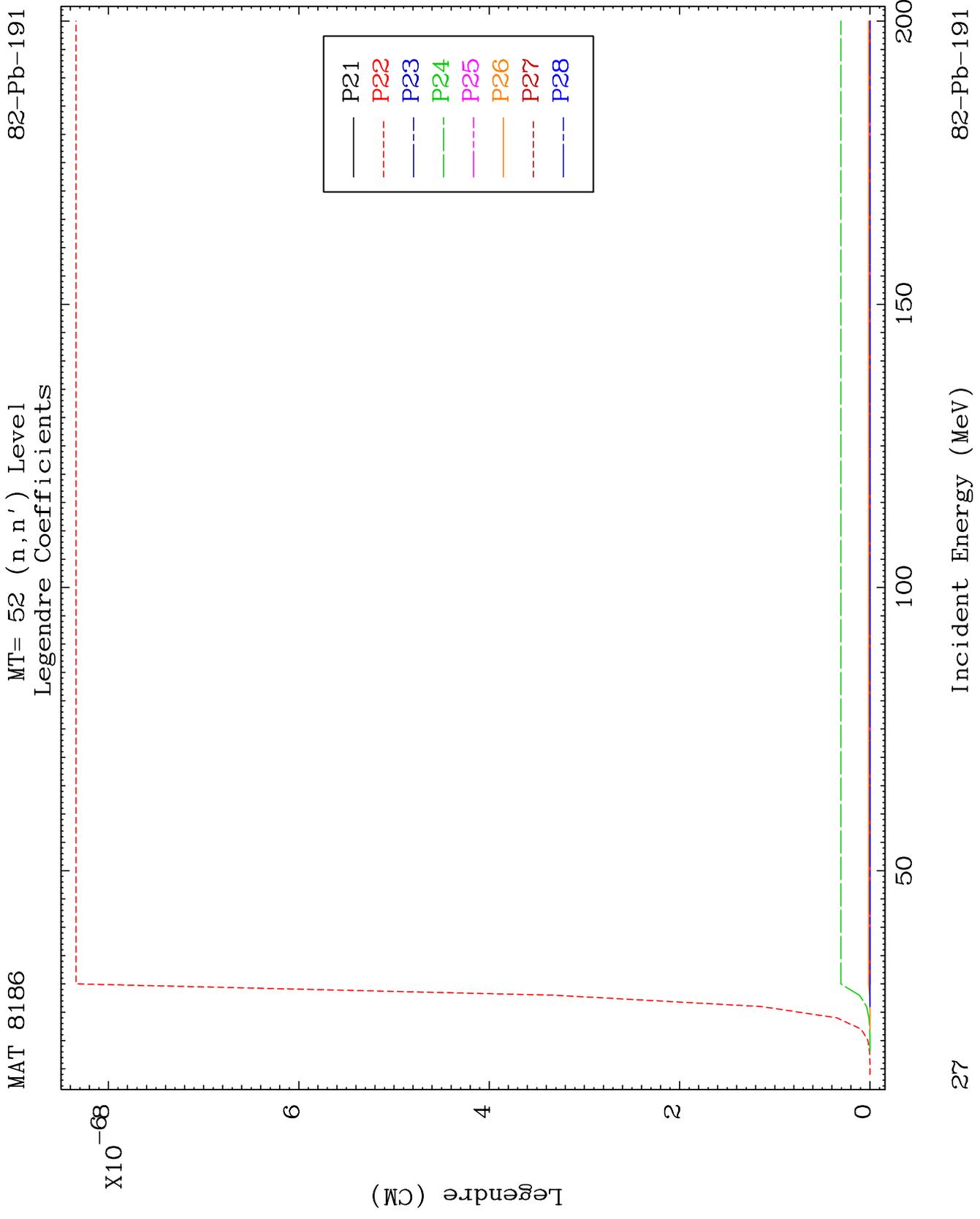
MT= 52 (n,n') Level  
Legendre Coefficients

82-Pb-191



26

82-Pb-191

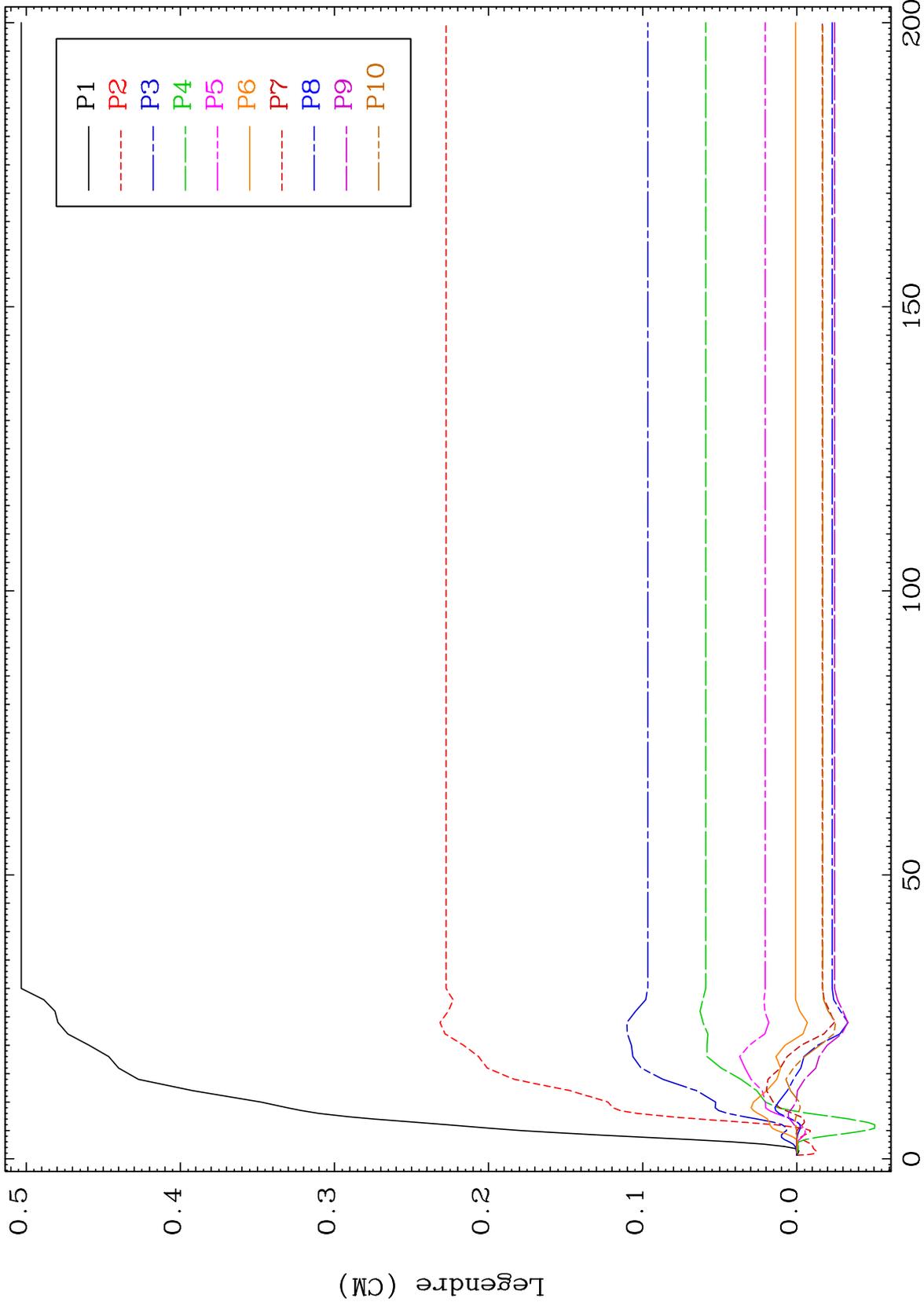


MAT 8186

MT= 53 (n,n') Level

82-Pb-191

Legendre Coefficients



28

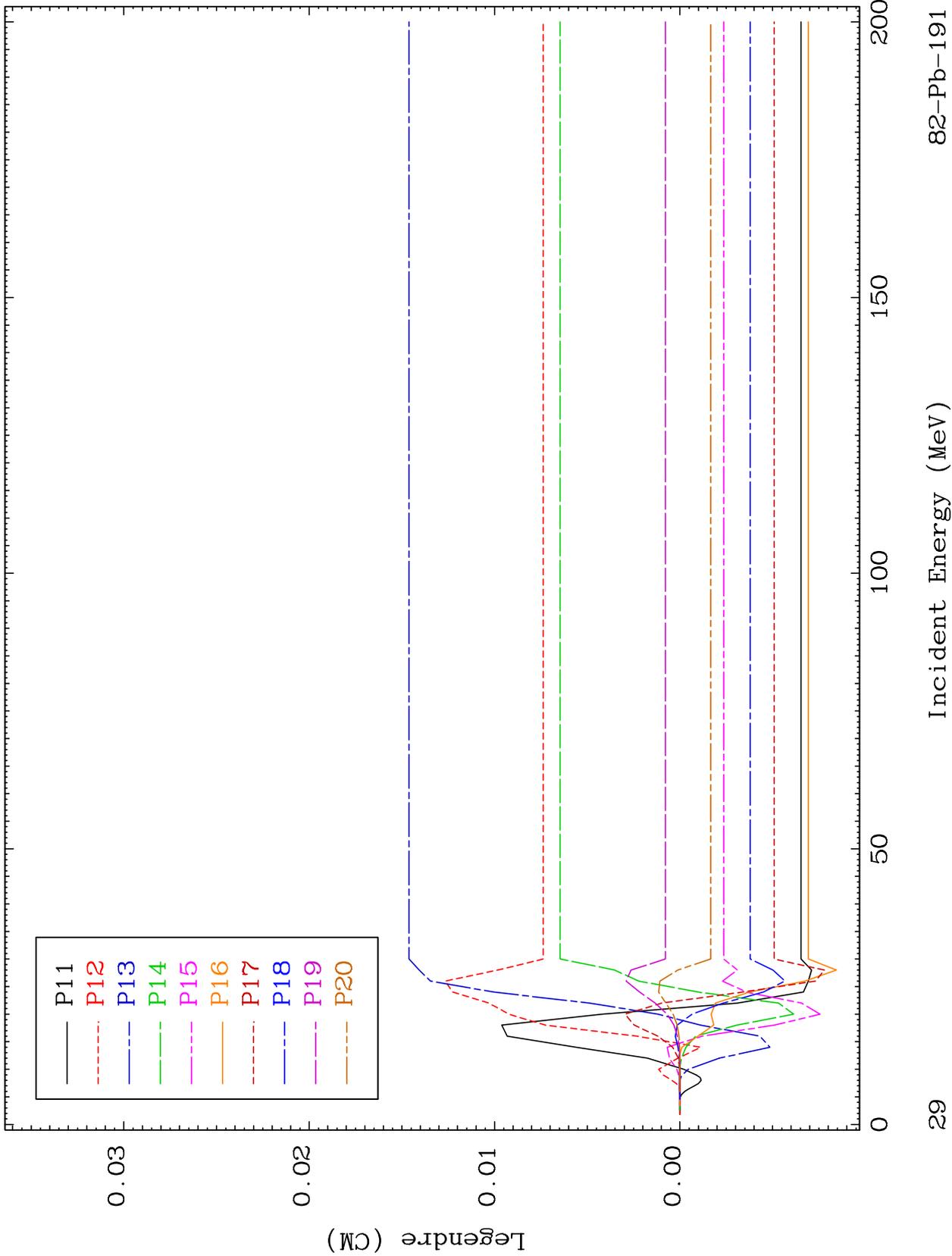
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

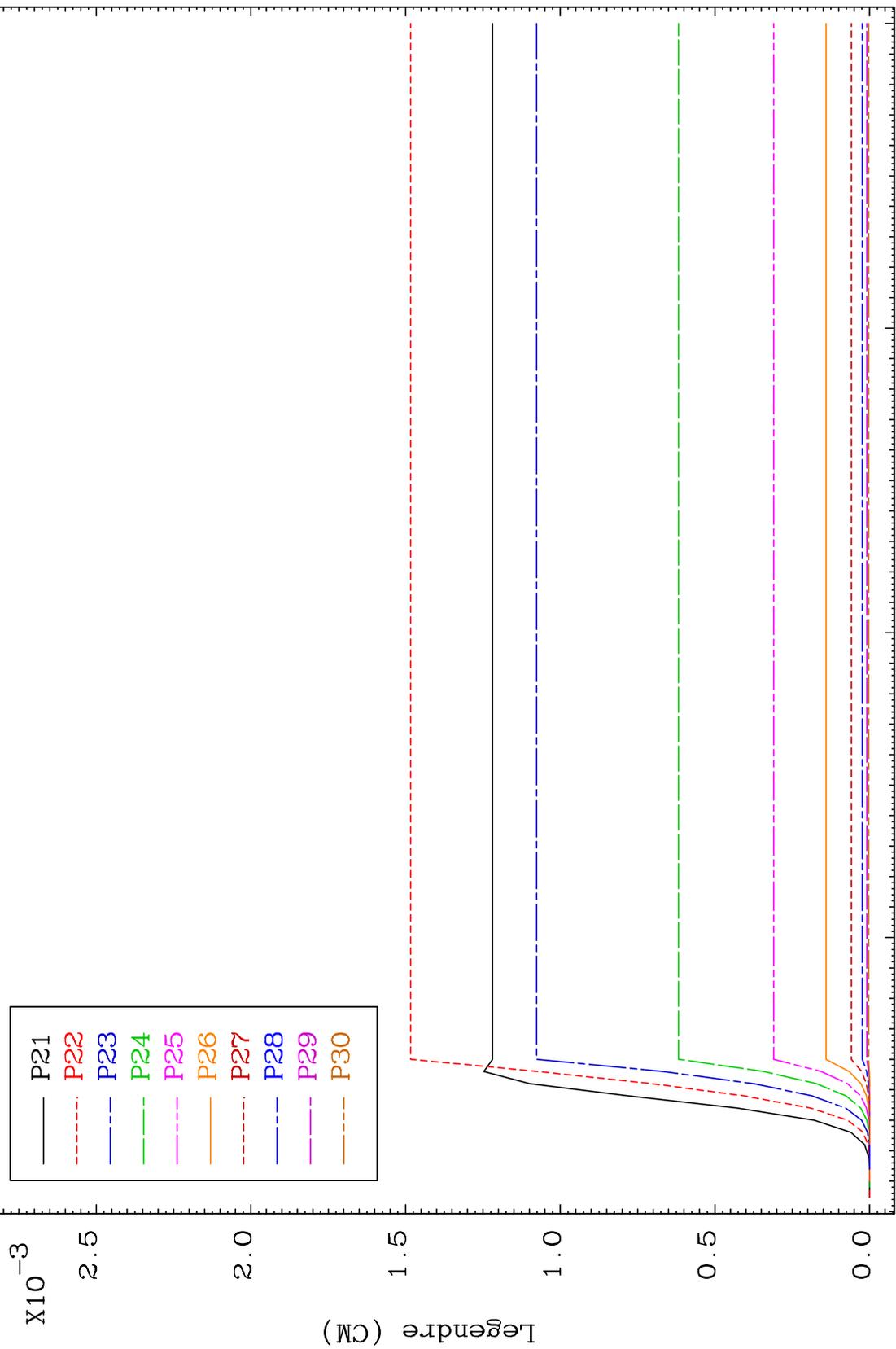
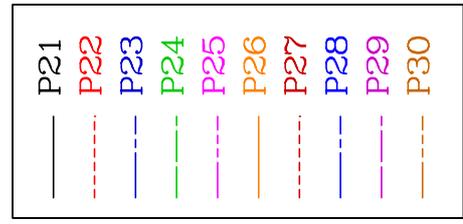
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MAT 8186

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

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30

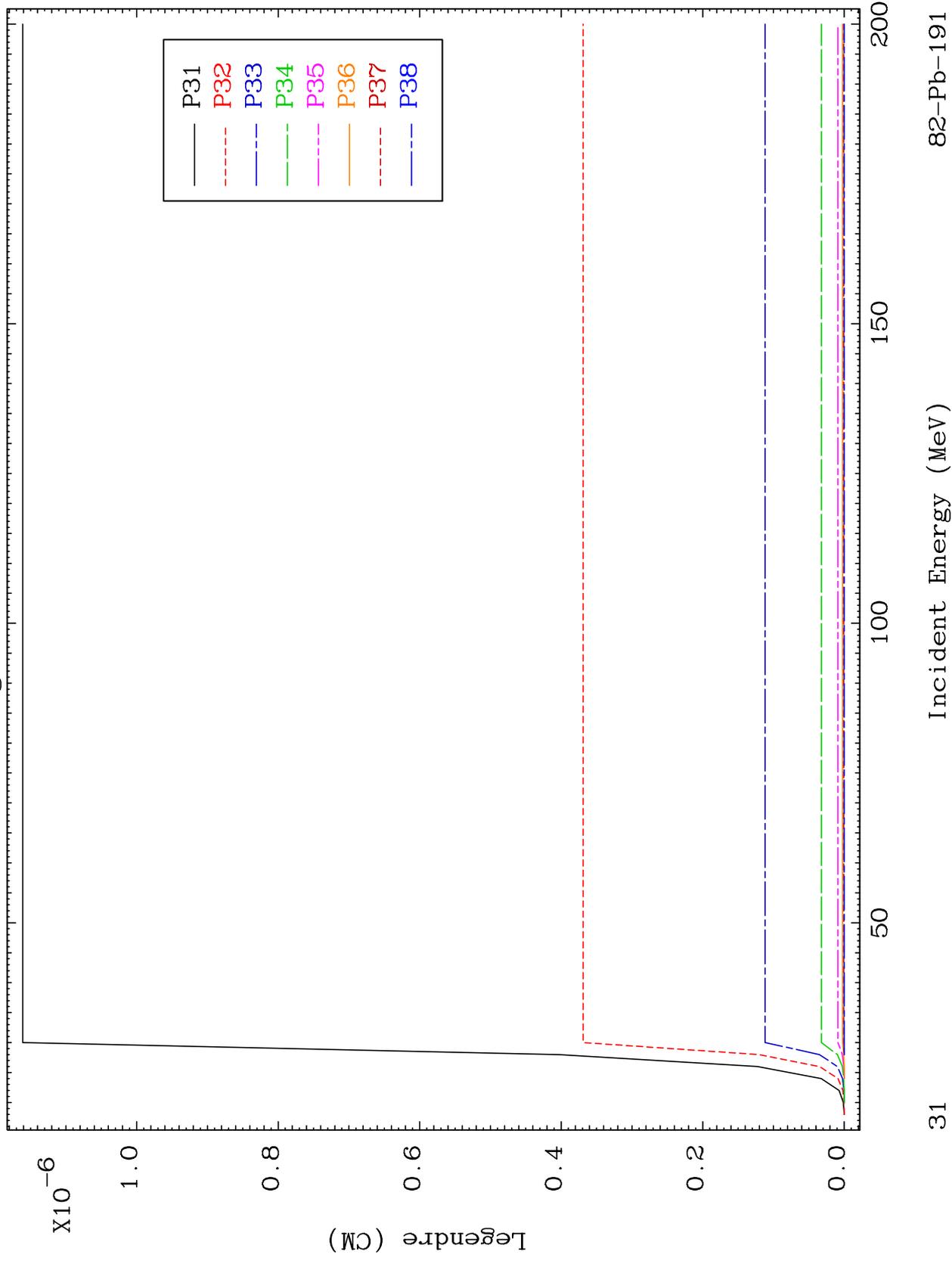
Incident Energy (MeV)

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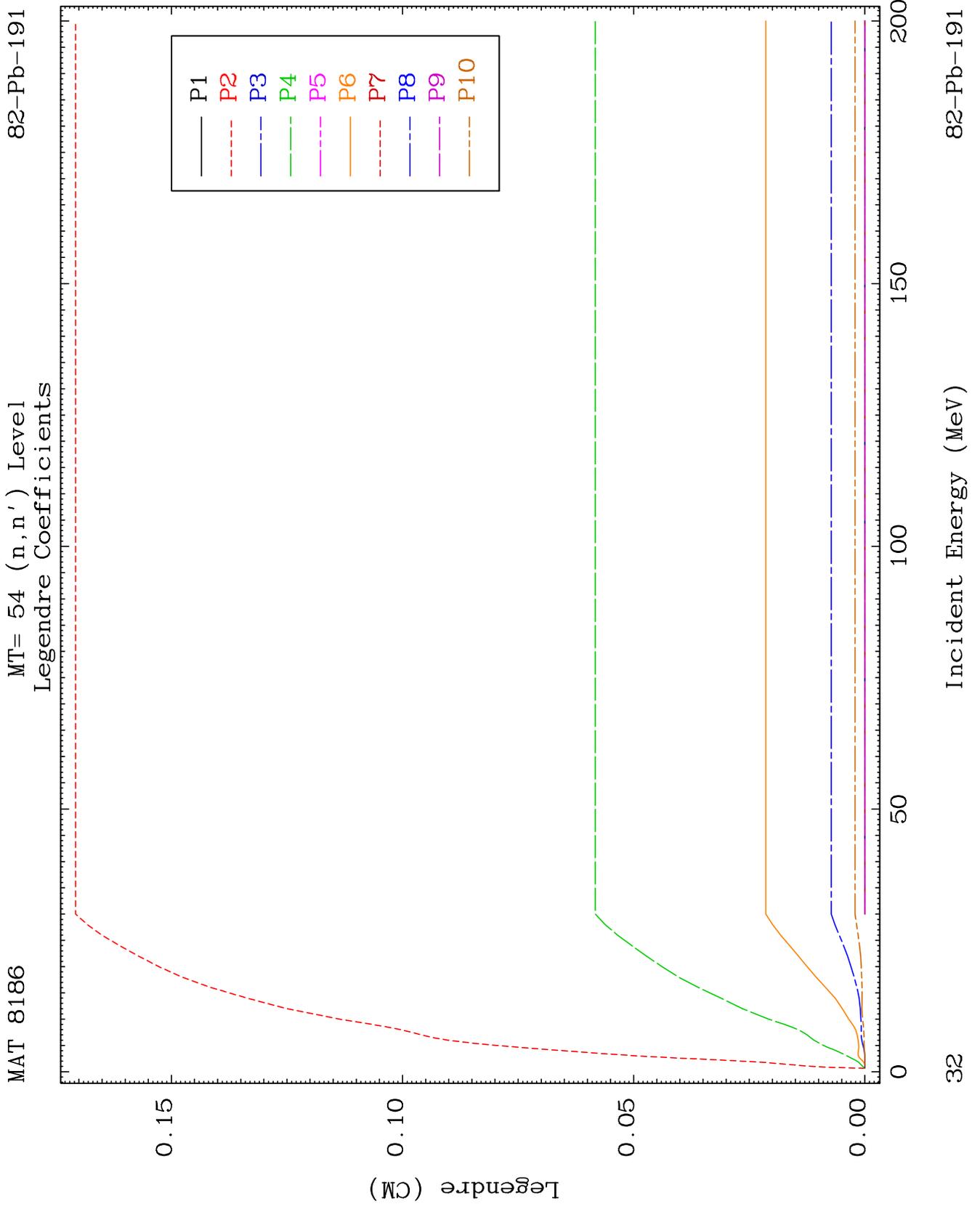
MAT 8186

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

82-Pb-191



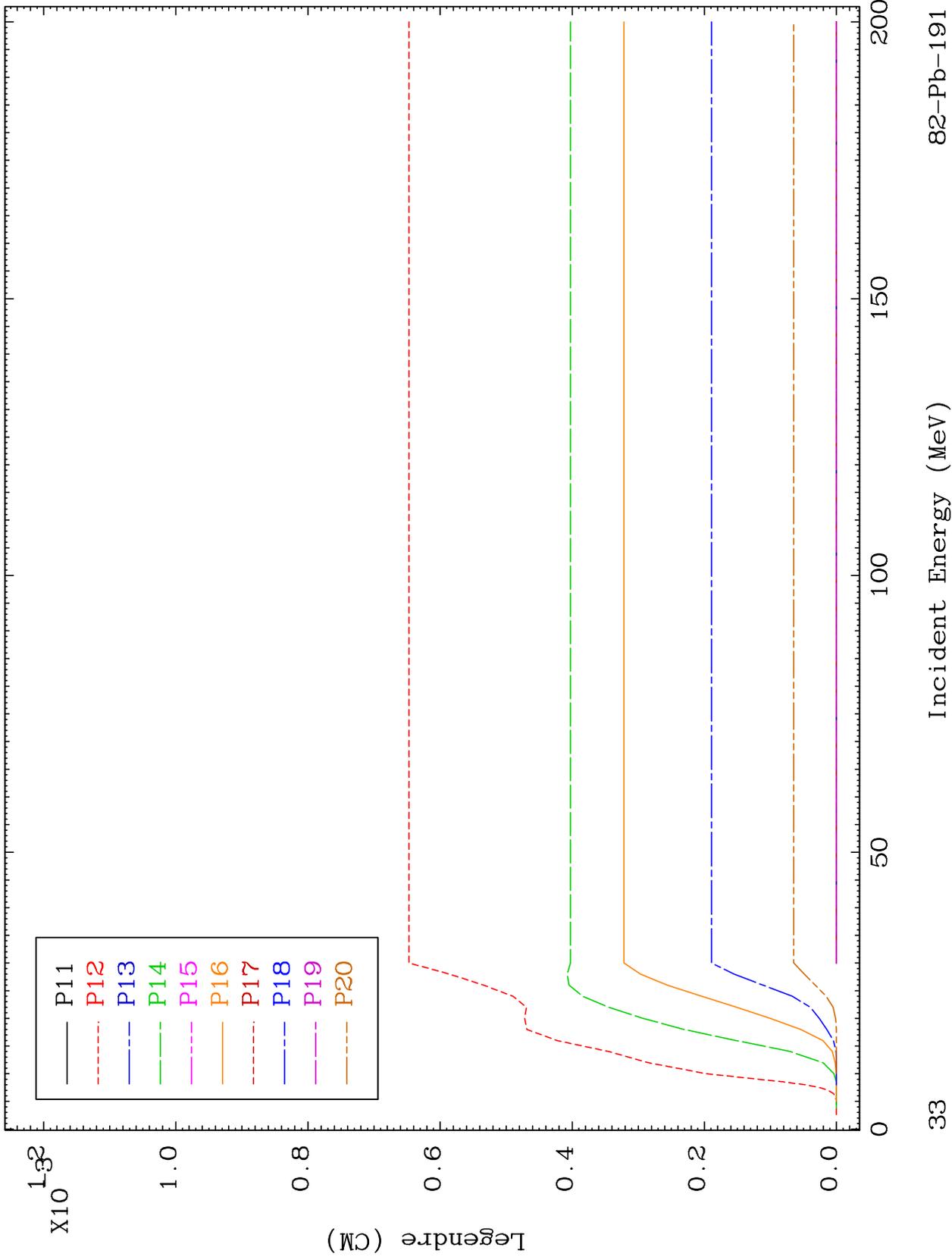
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MAT 8186

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

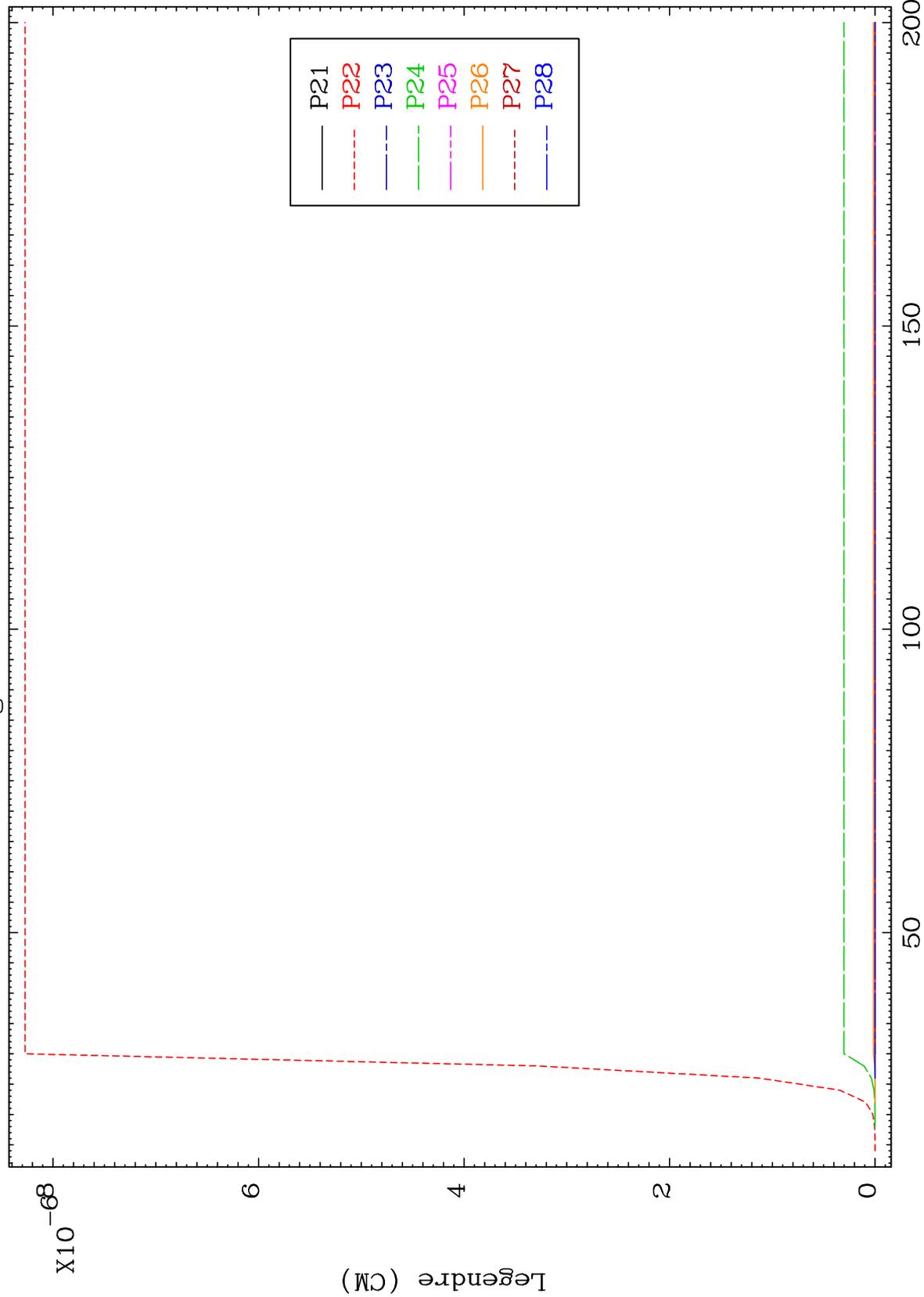
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MAT 8186

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

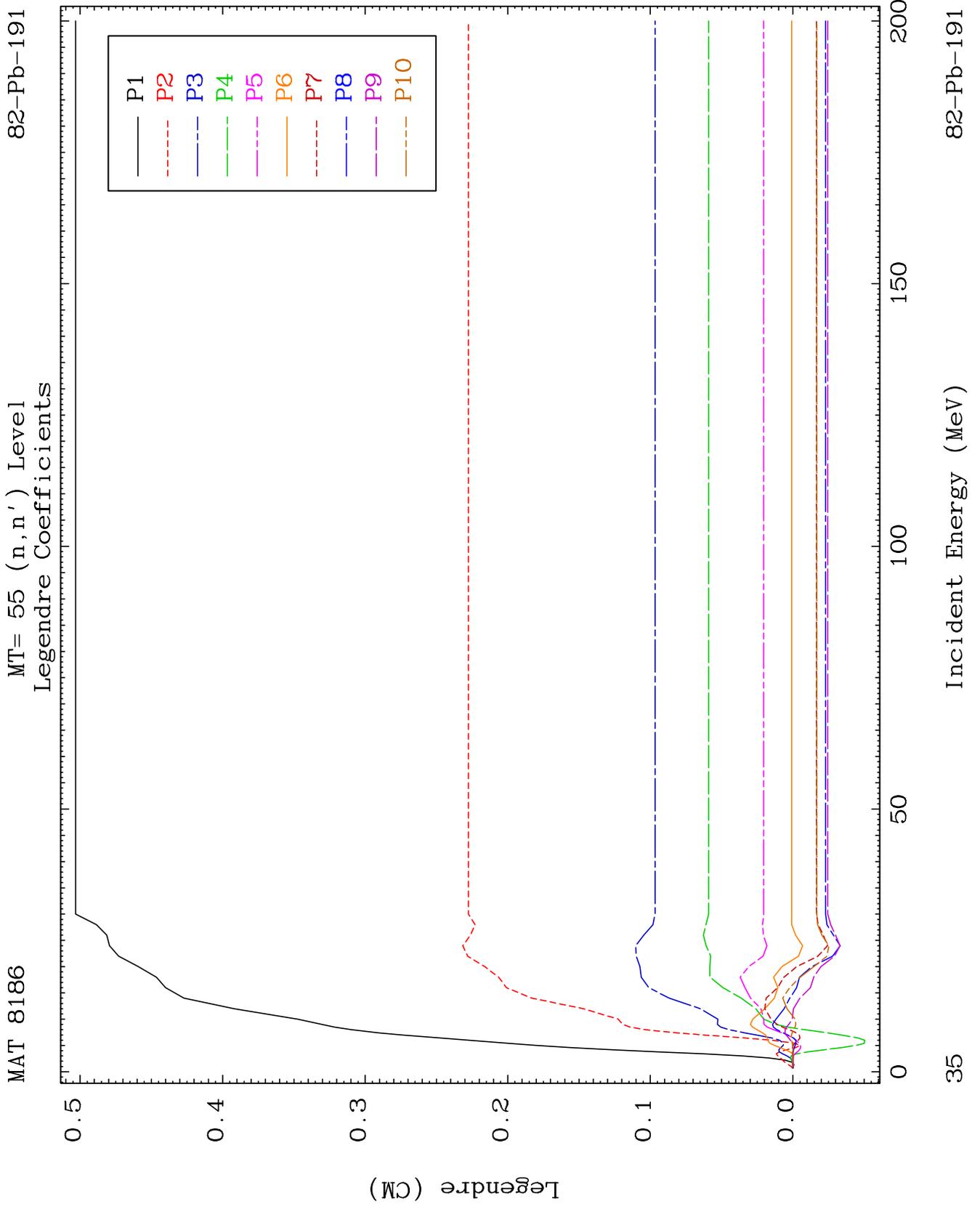
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34

Incident Energy (MeV)

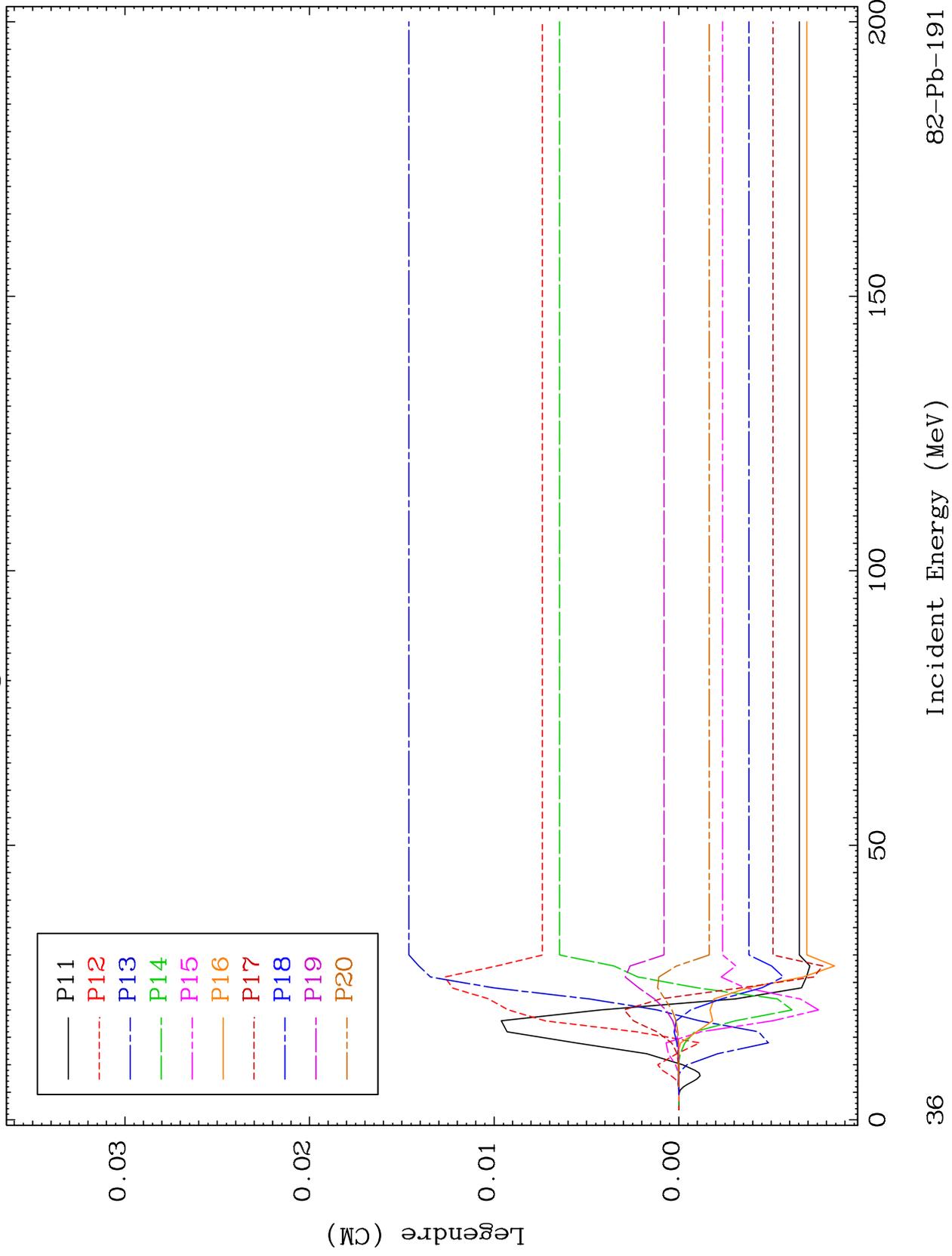
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MAT 8186

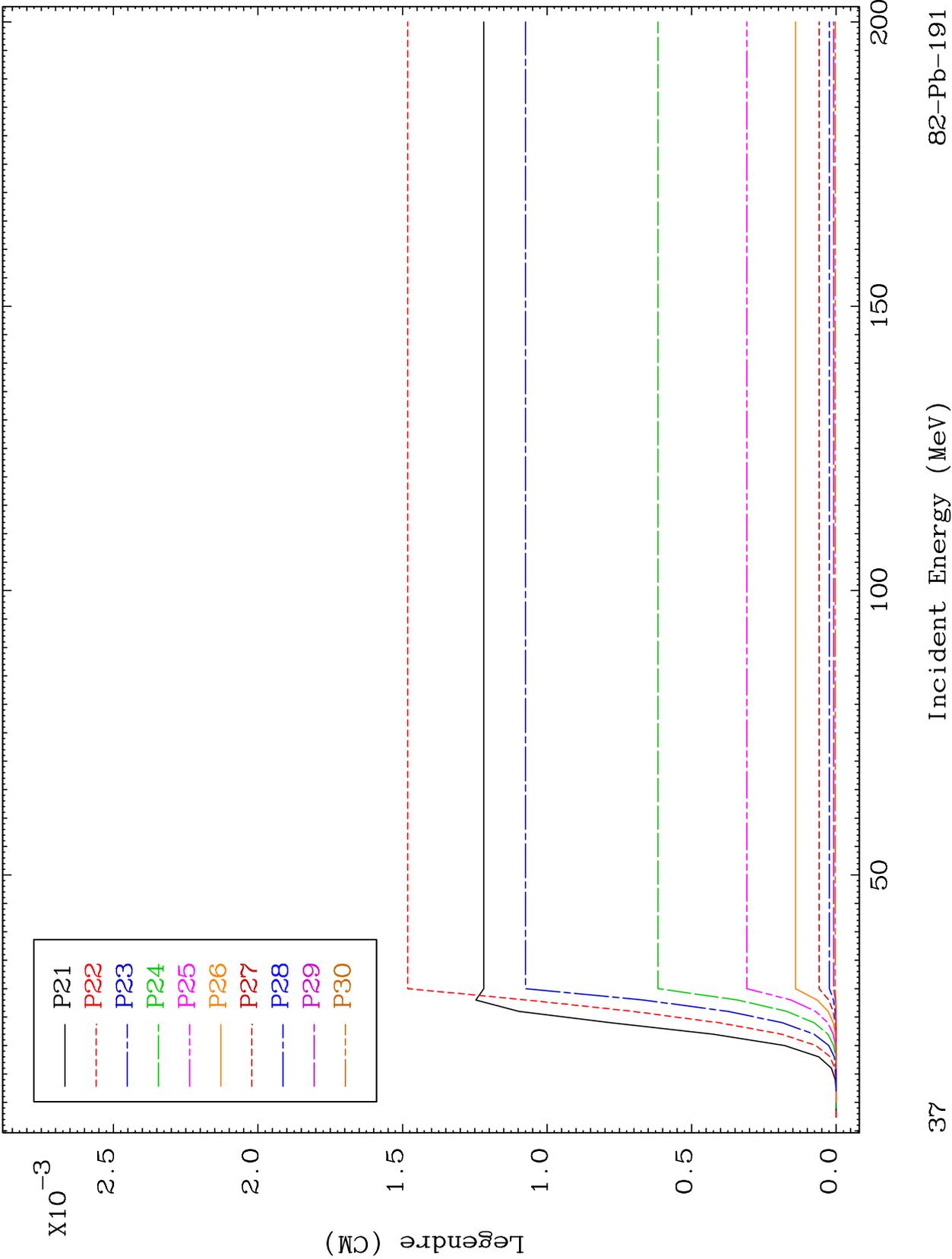
MT= 55 (n,n') Level  
Legendre Coefficients

82-Pb-191



36

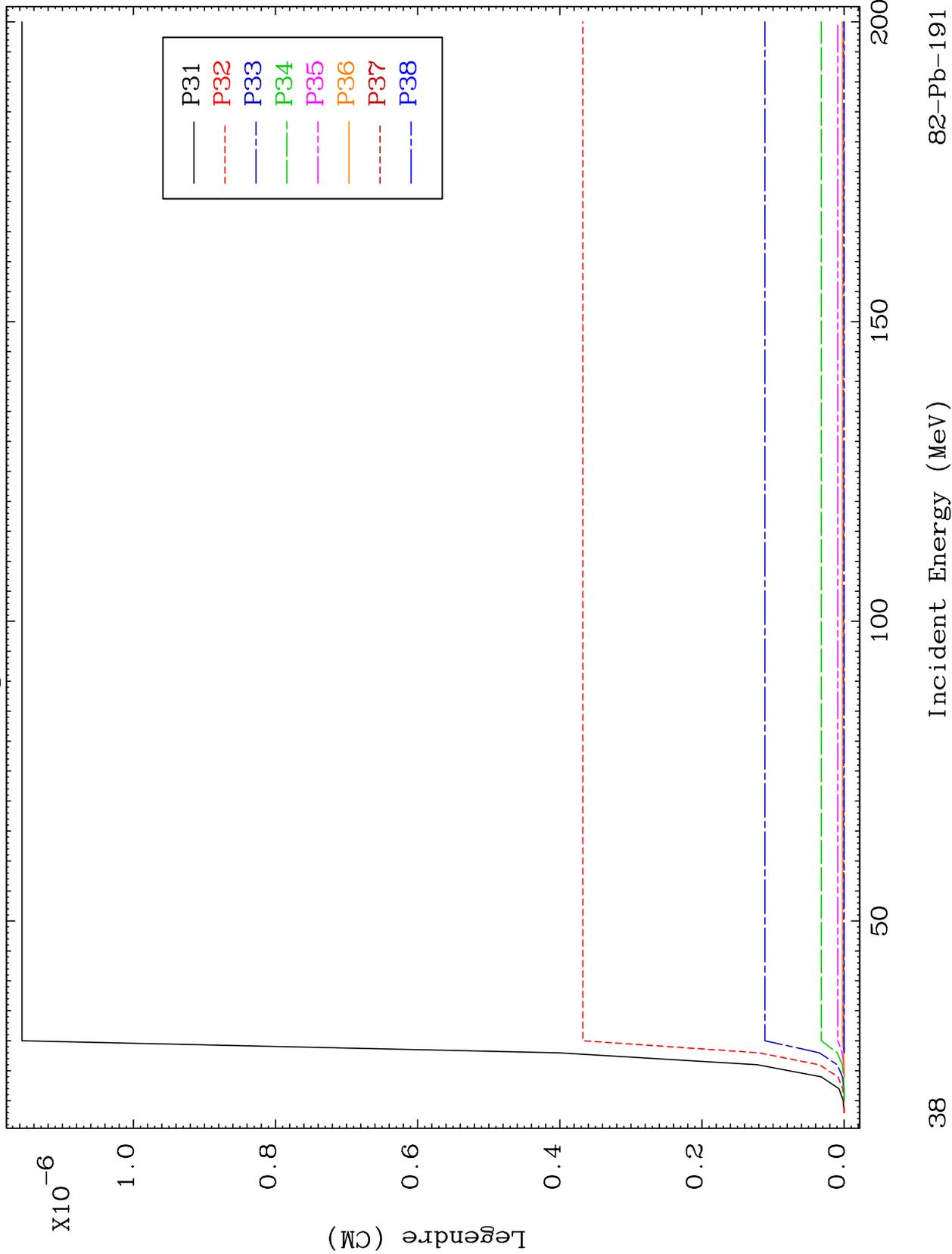
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MAT 8186

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

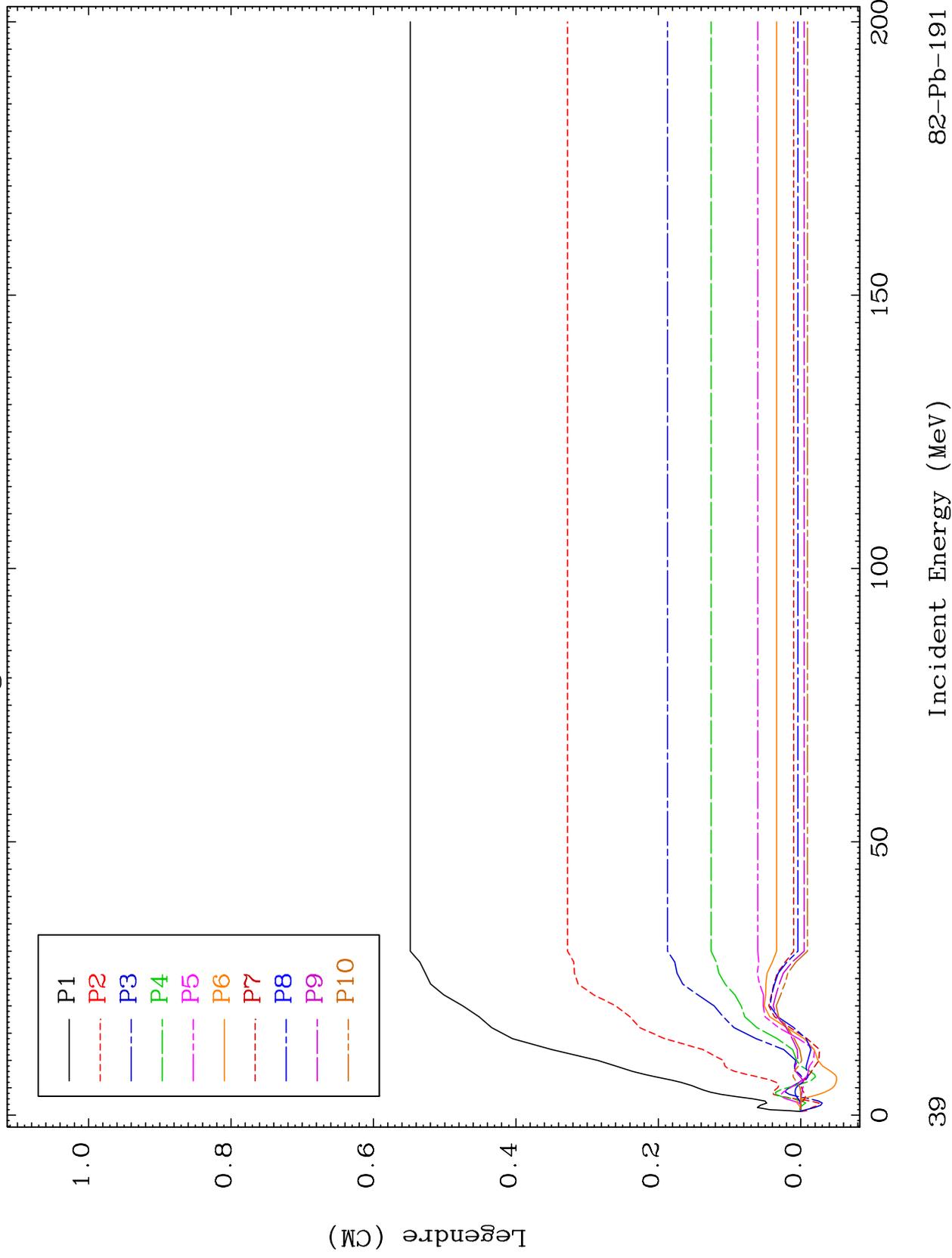
82-Pb-191



MAT 8186

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

82-Pb-191



39

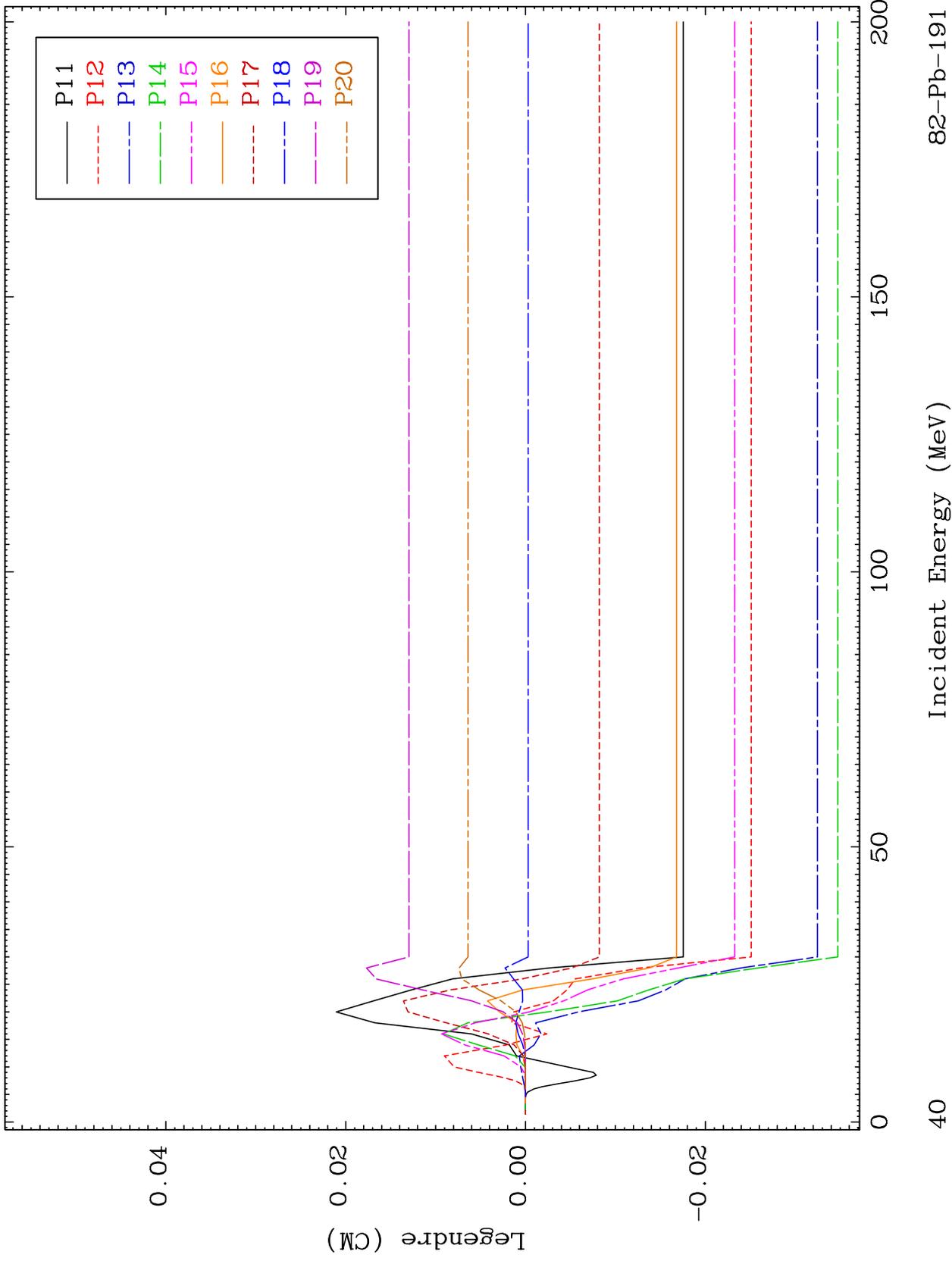
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

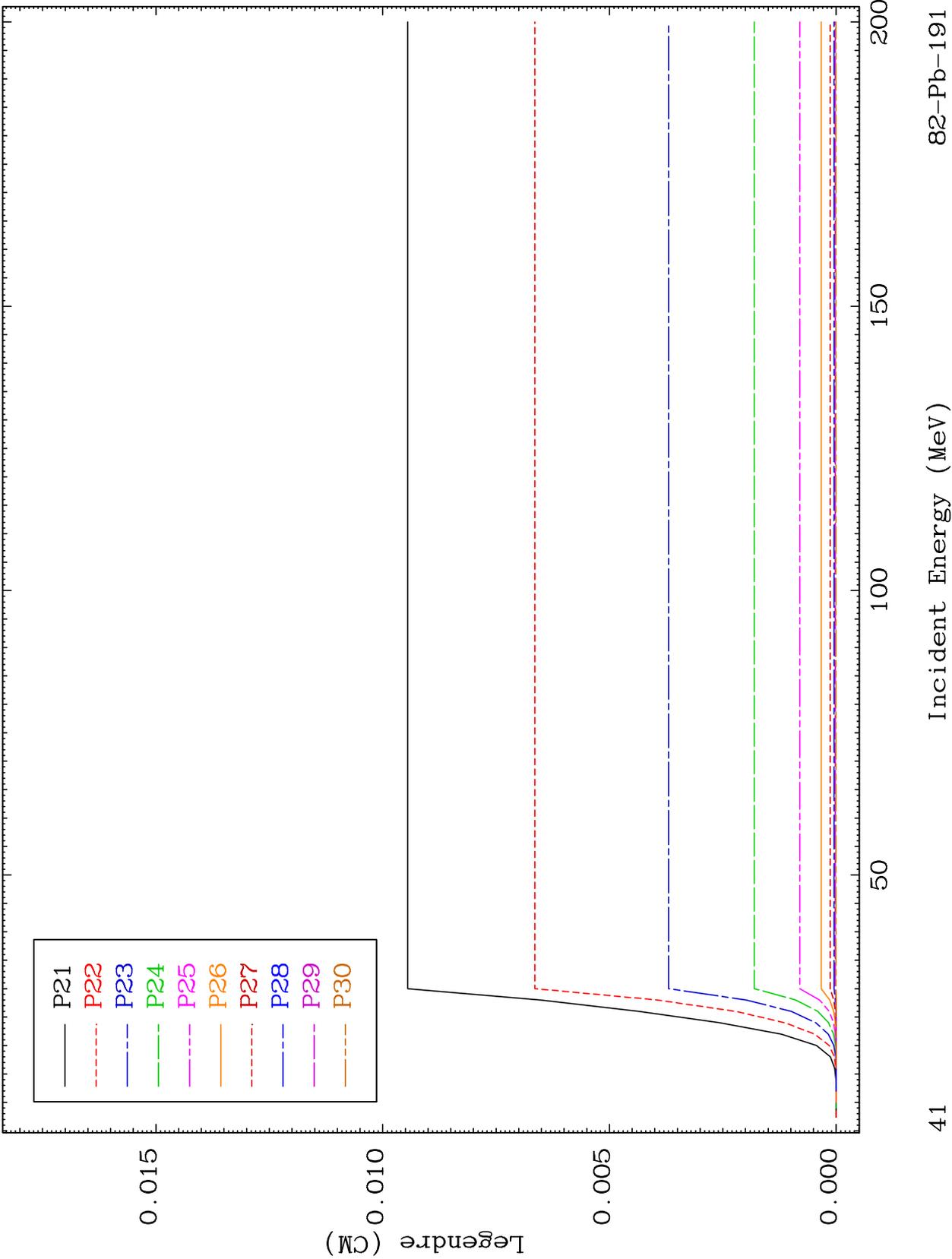
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82-Pb-191

Incident Energy (MeV)

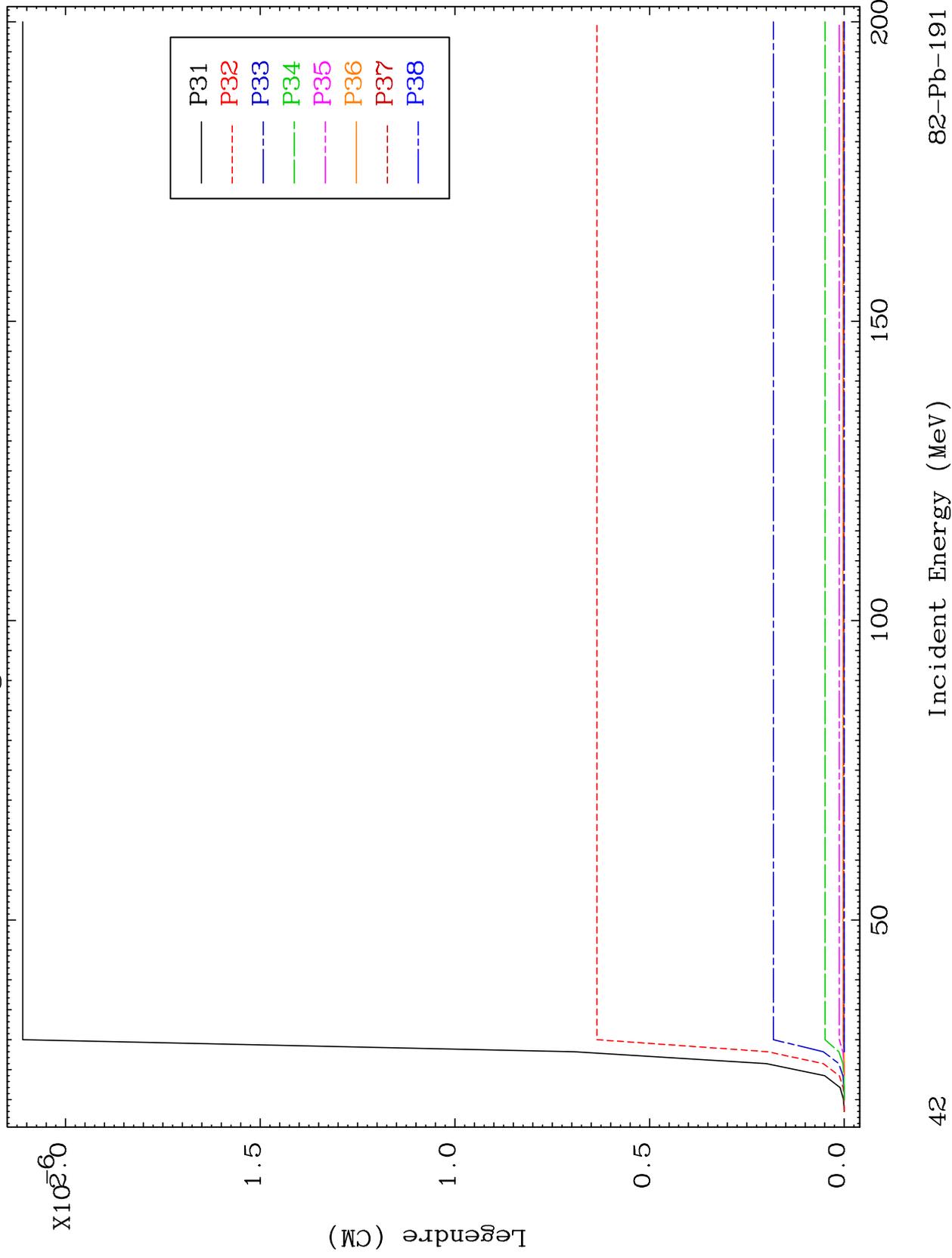
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MAT 8186

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

82-Pb-191



42

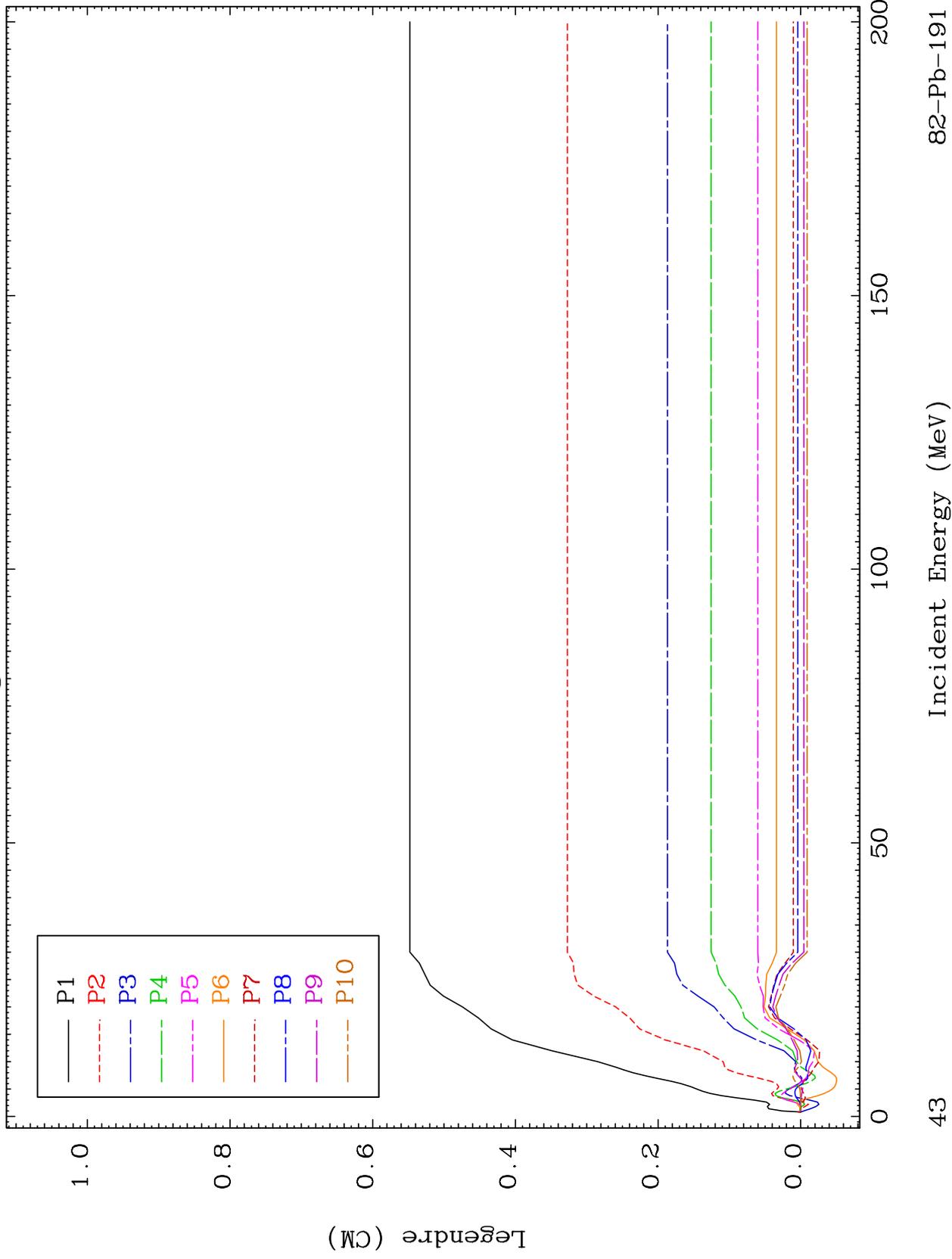
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



82-Pb-191

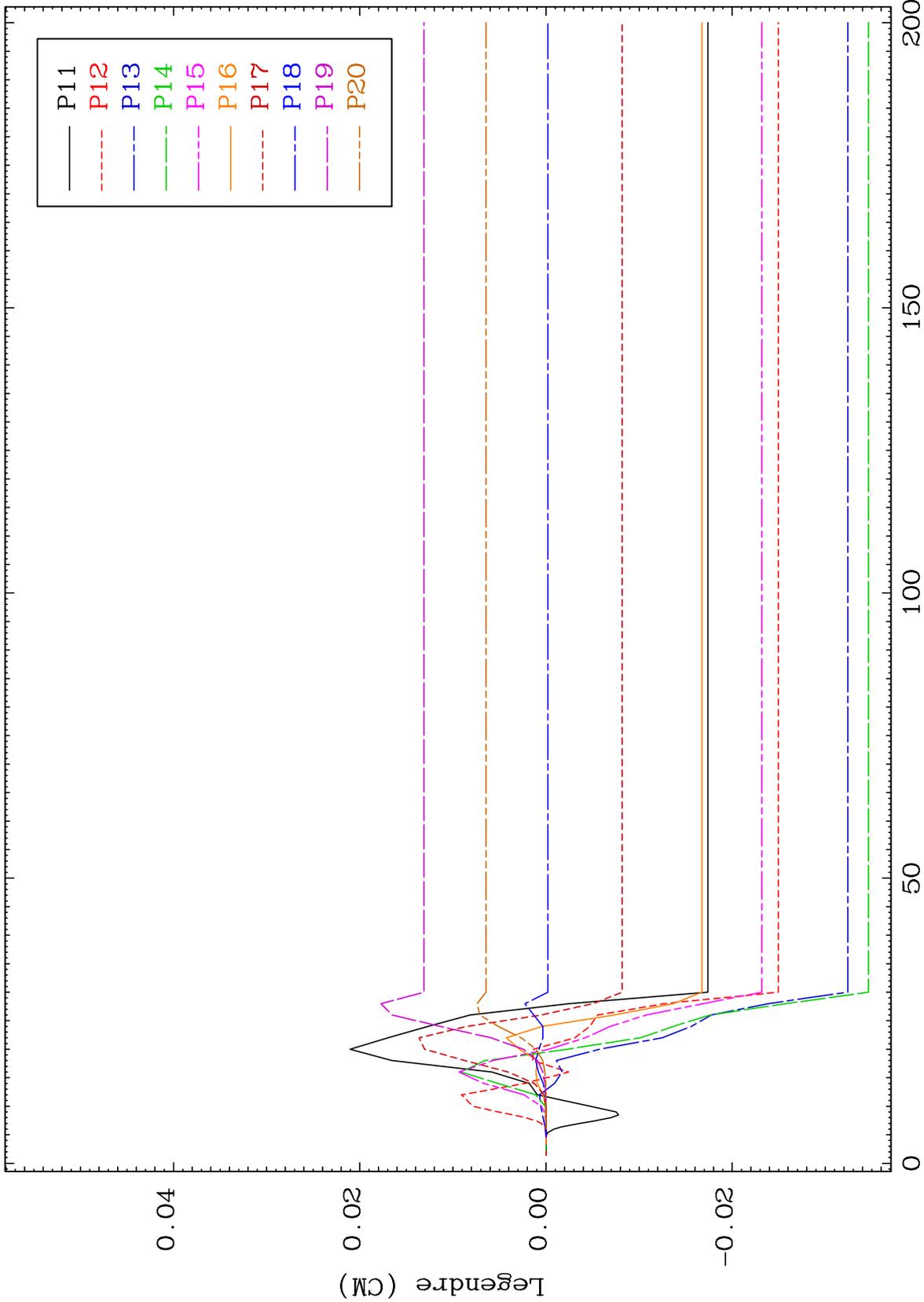
Incident Energy (MeV)

43

MAT 8186

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

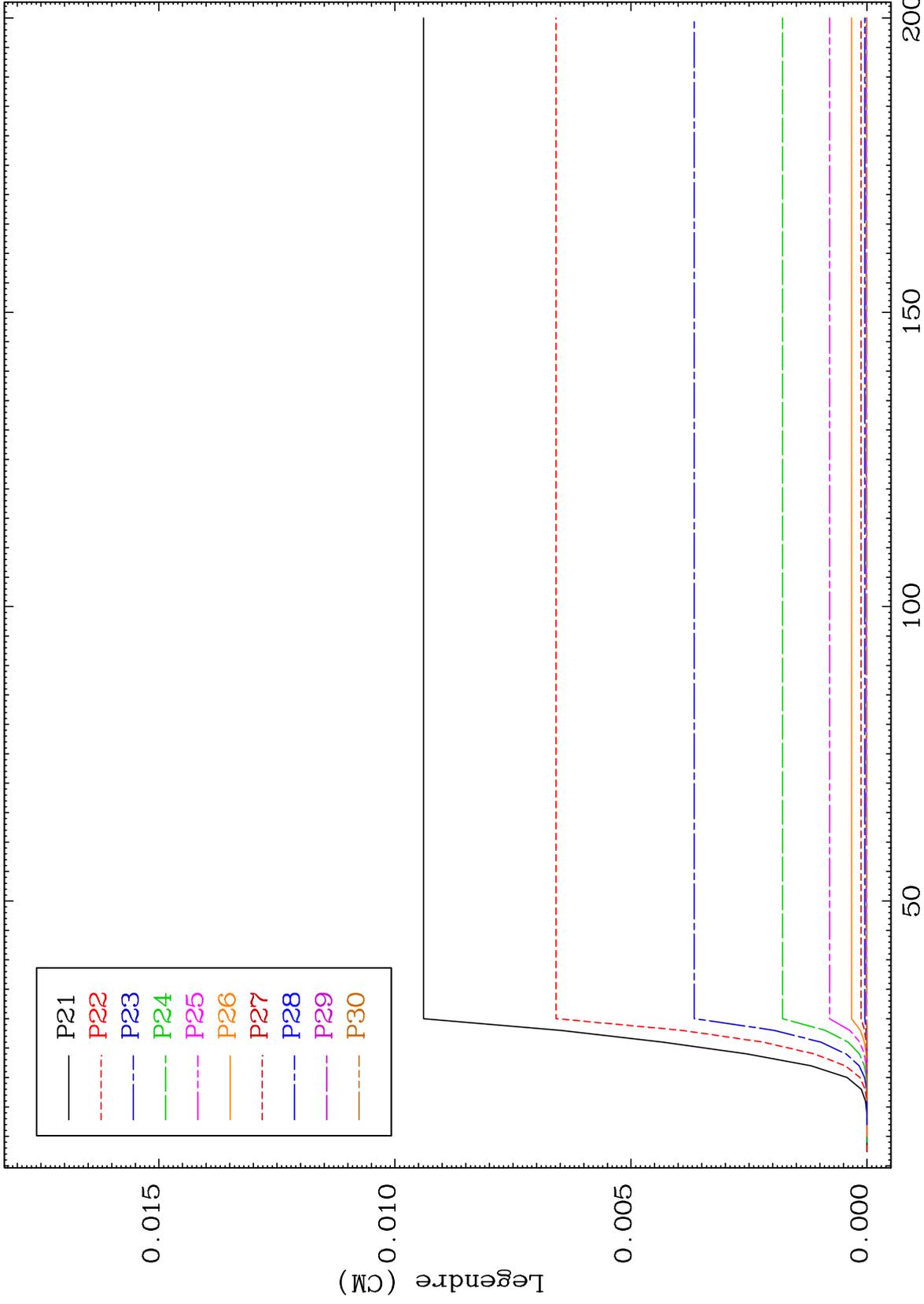
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MAT 8186

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

82-Pb-191



45

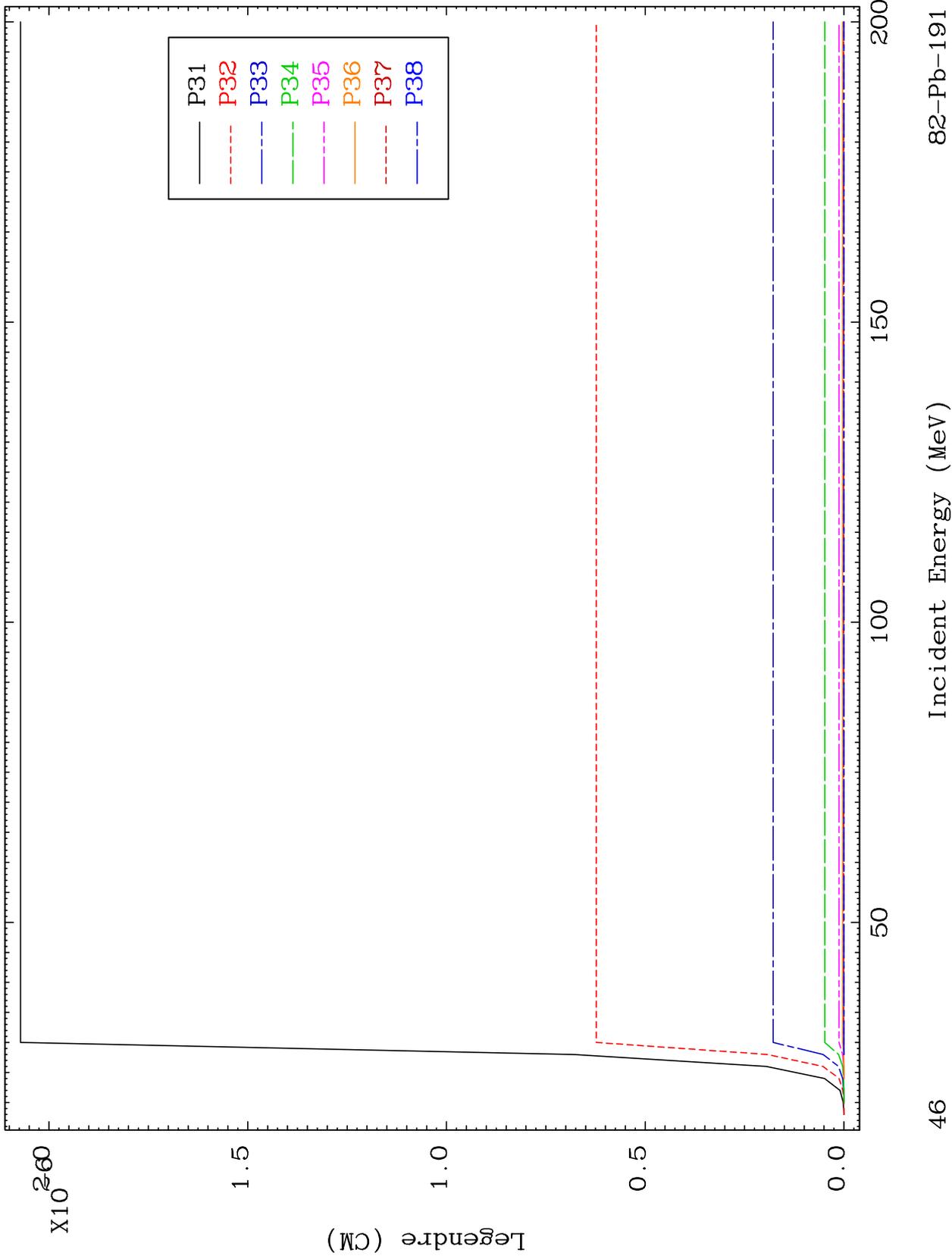
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



46

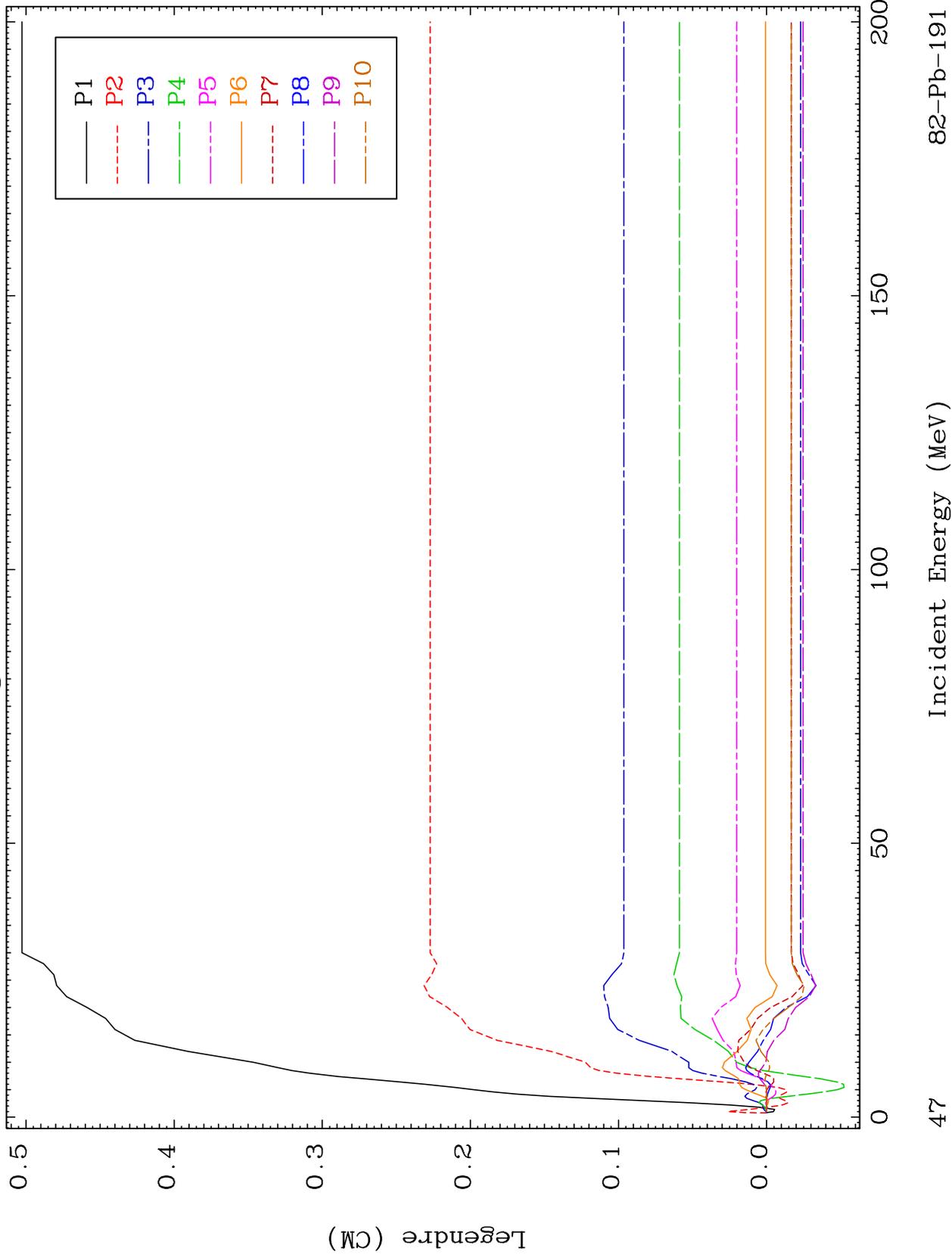
Incident Energy (MeV)

82-Pb-191

MAT 8186

MT= 58 (n,n') Level  
Legendre Coefficients

82-Pb-191



47

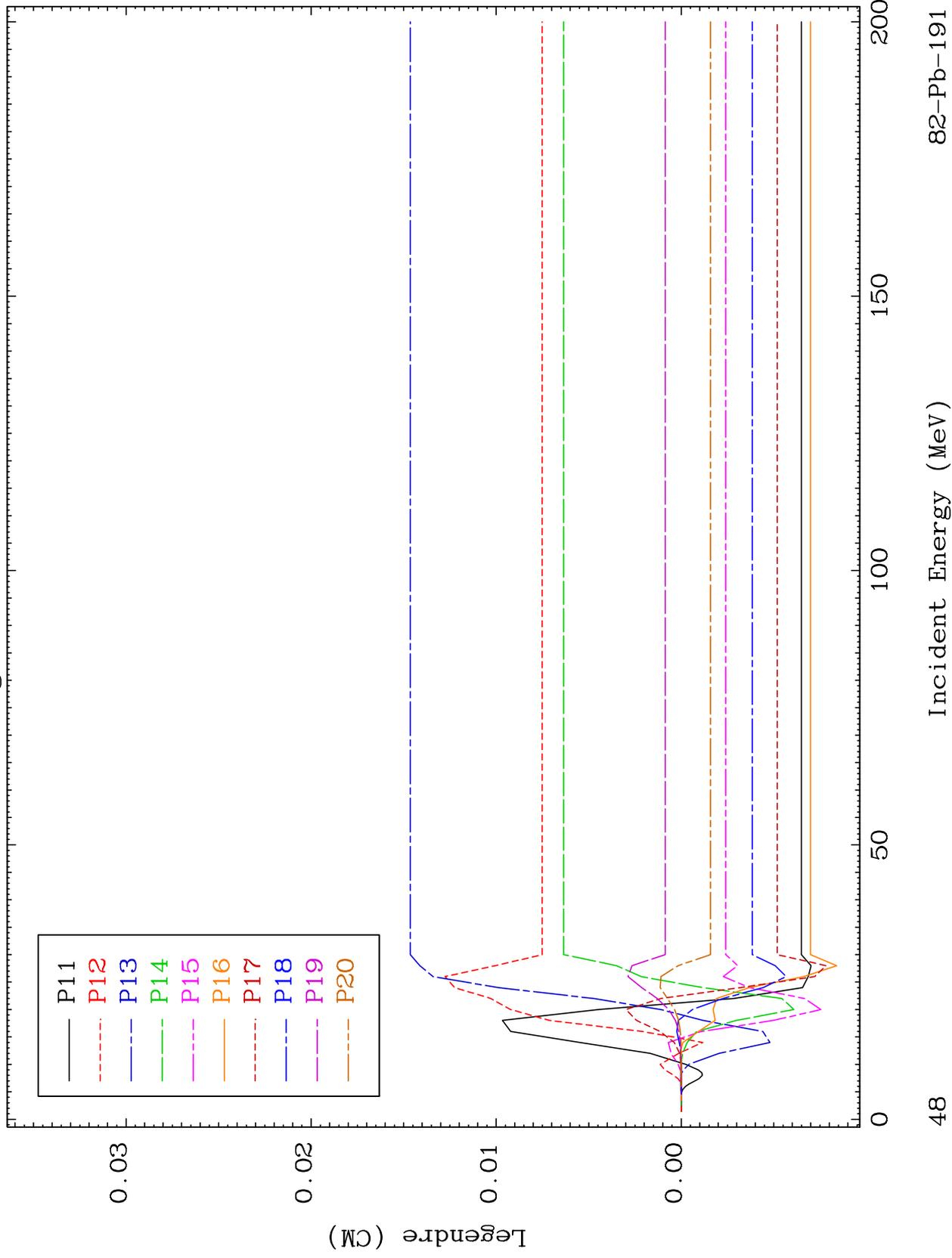
Incident Energy (MeV)

82-Pb-191

MAT 8186

MT= 58 (n,n') Level  
Legendre Coefficients

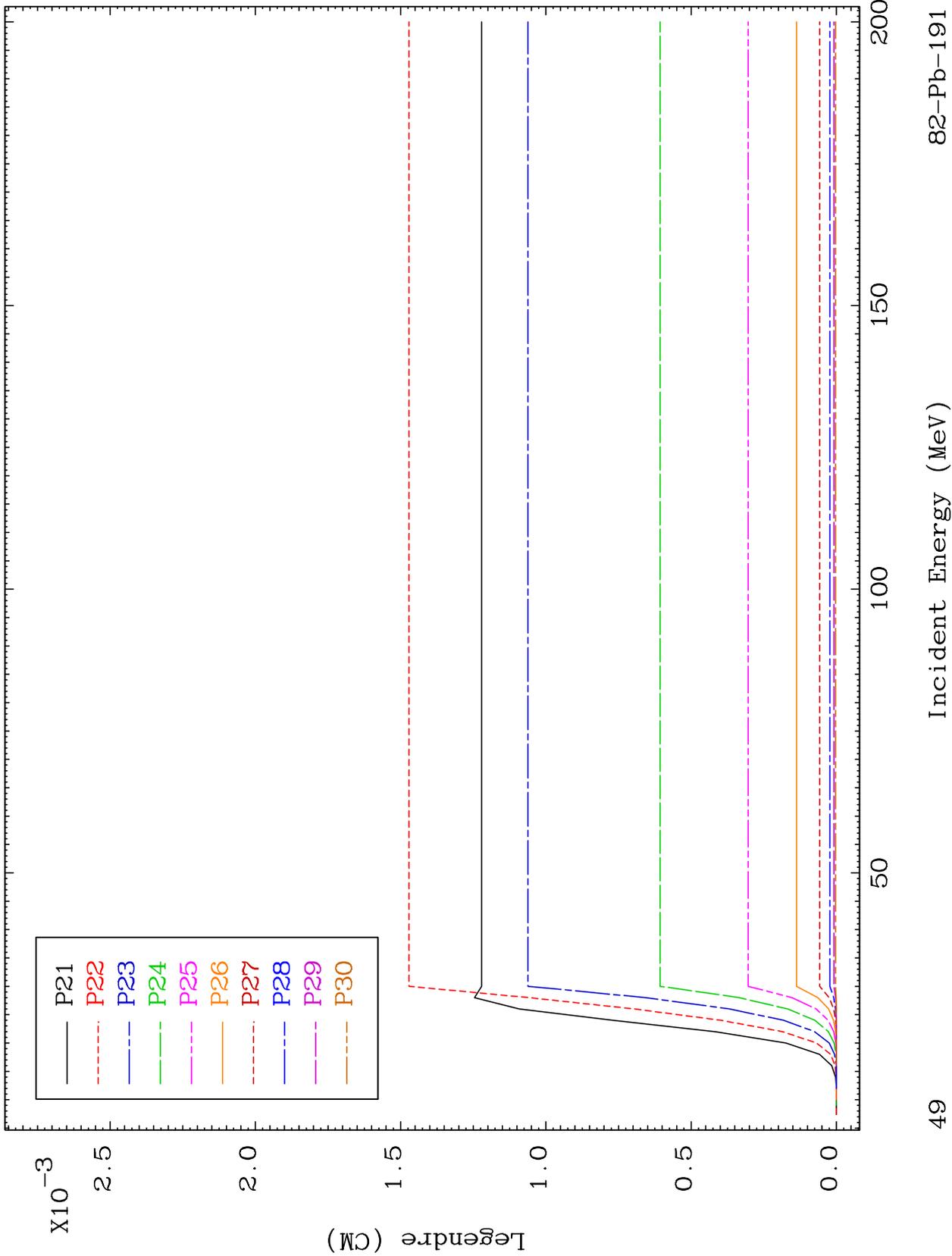
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82-Pb-191

Incident Energy (MeV)

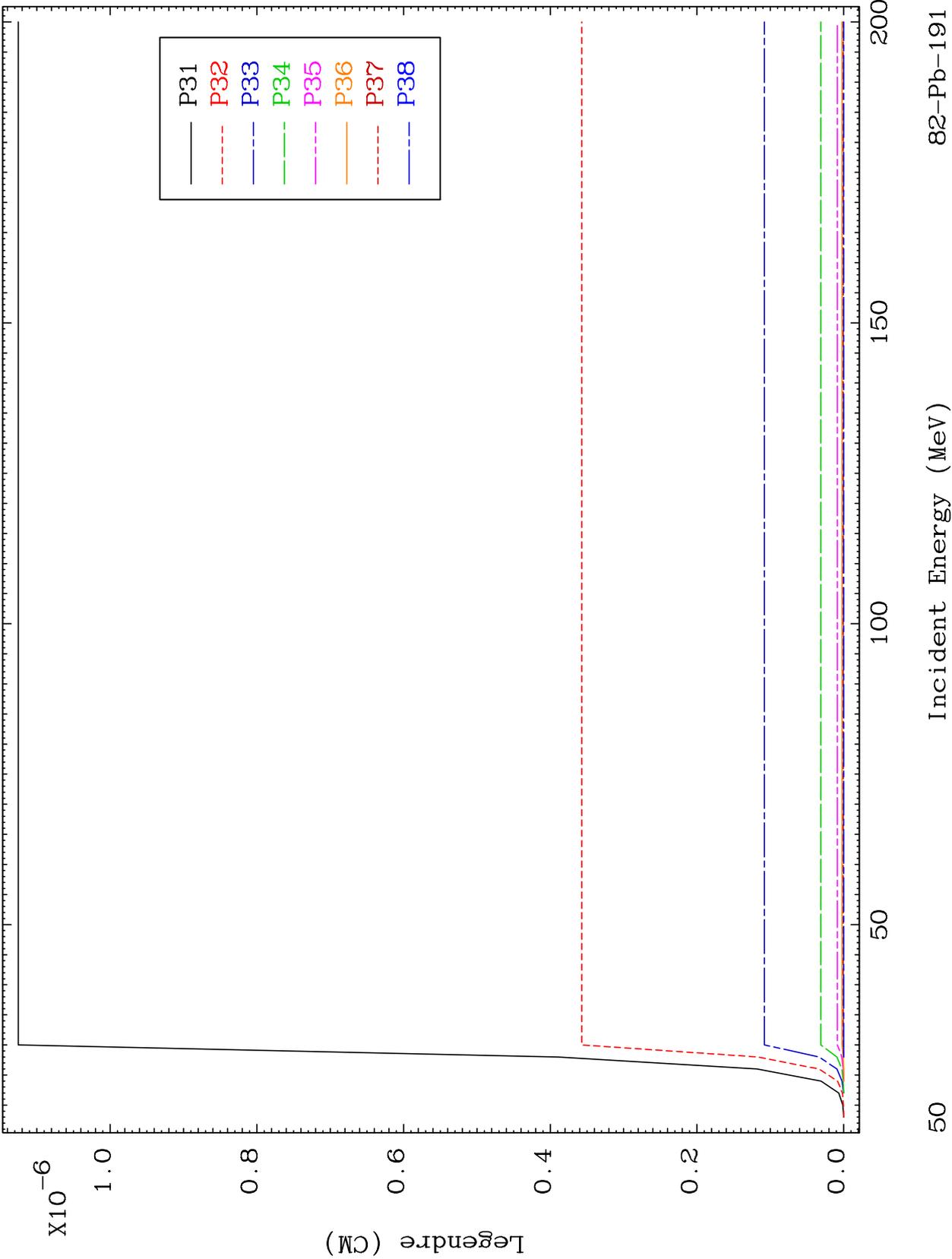
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MAT 8186

MT= 58 (n,n') Level  
Legendre Coefficients

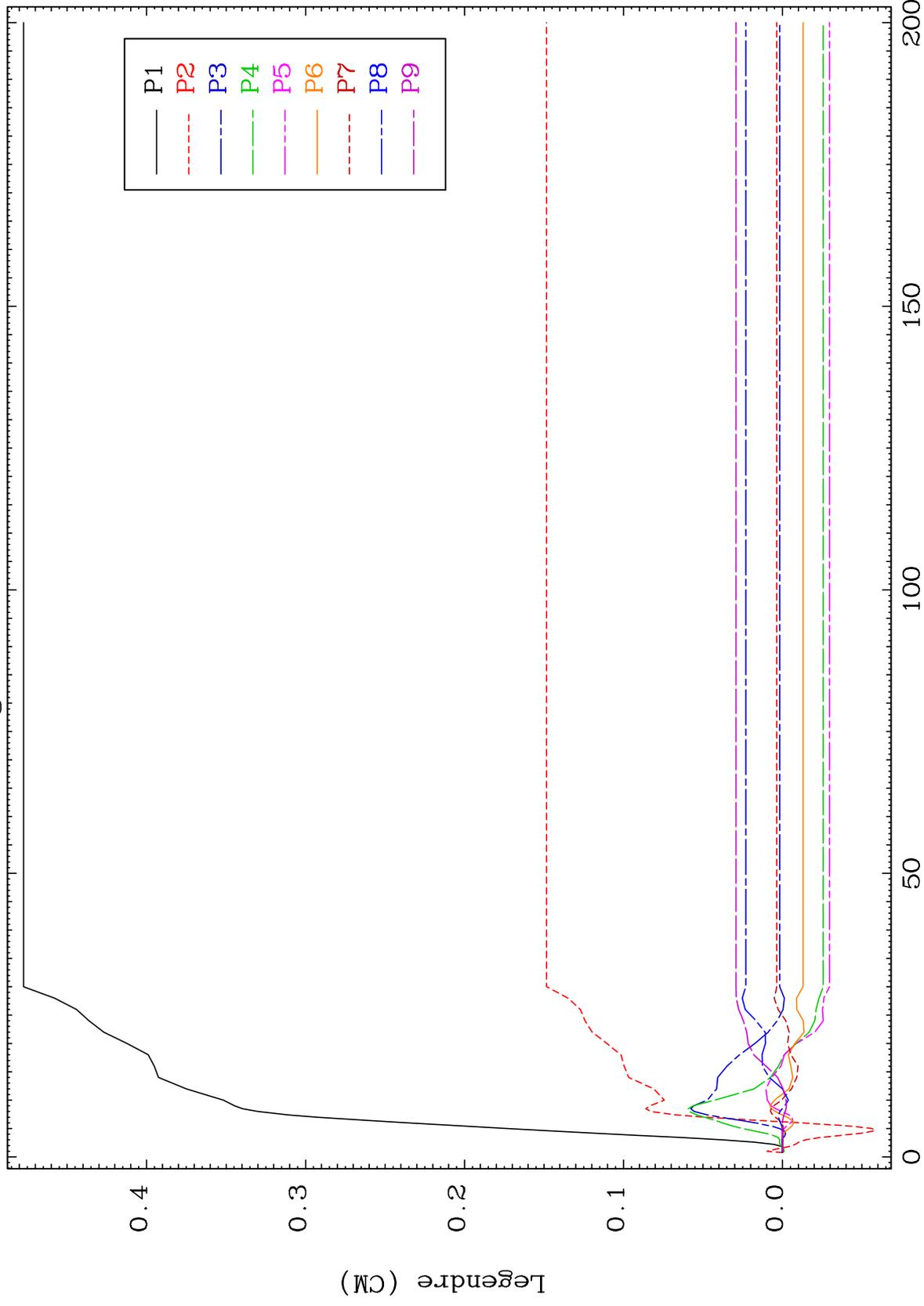
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MAT 8186

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

82-Pb-191



51

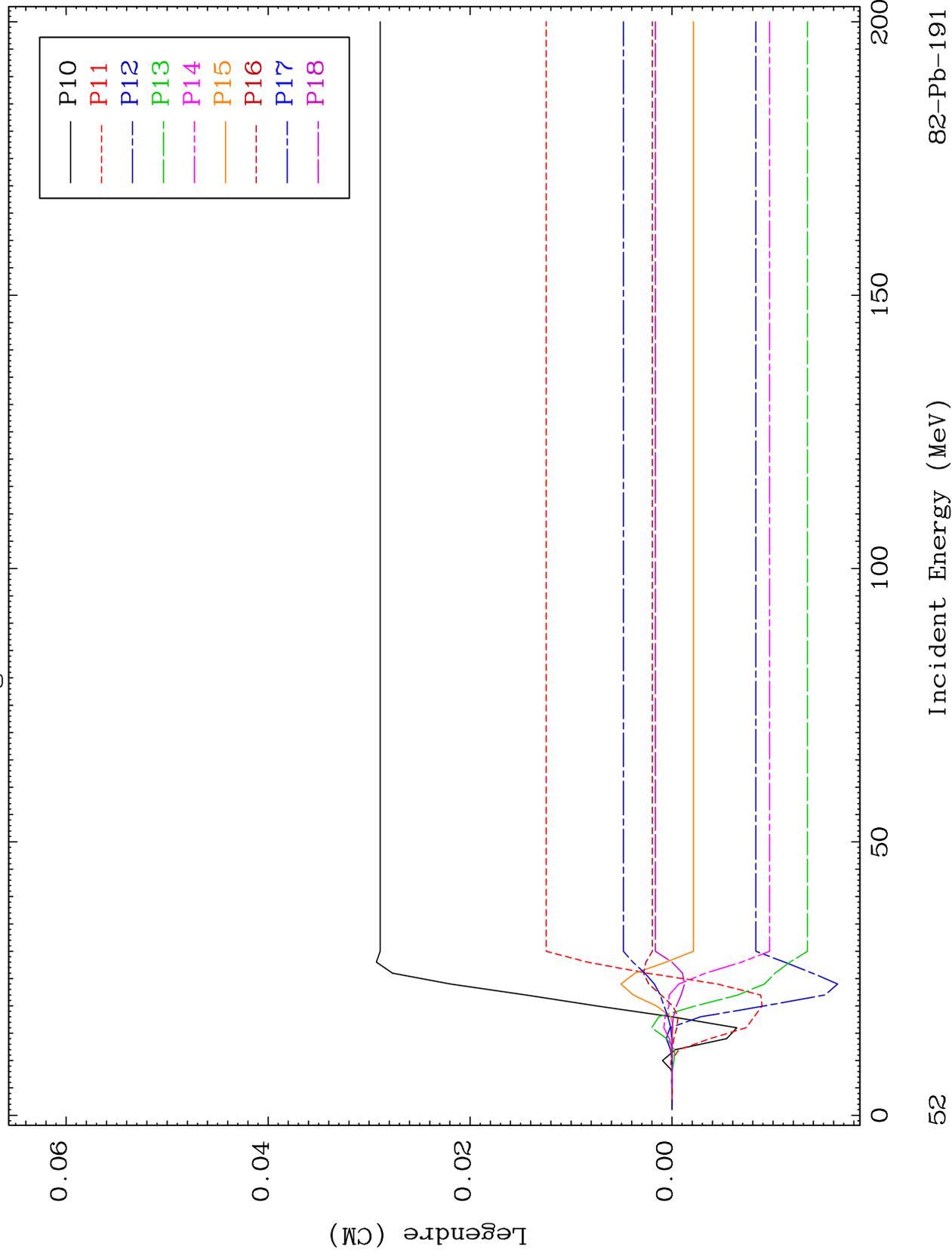
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

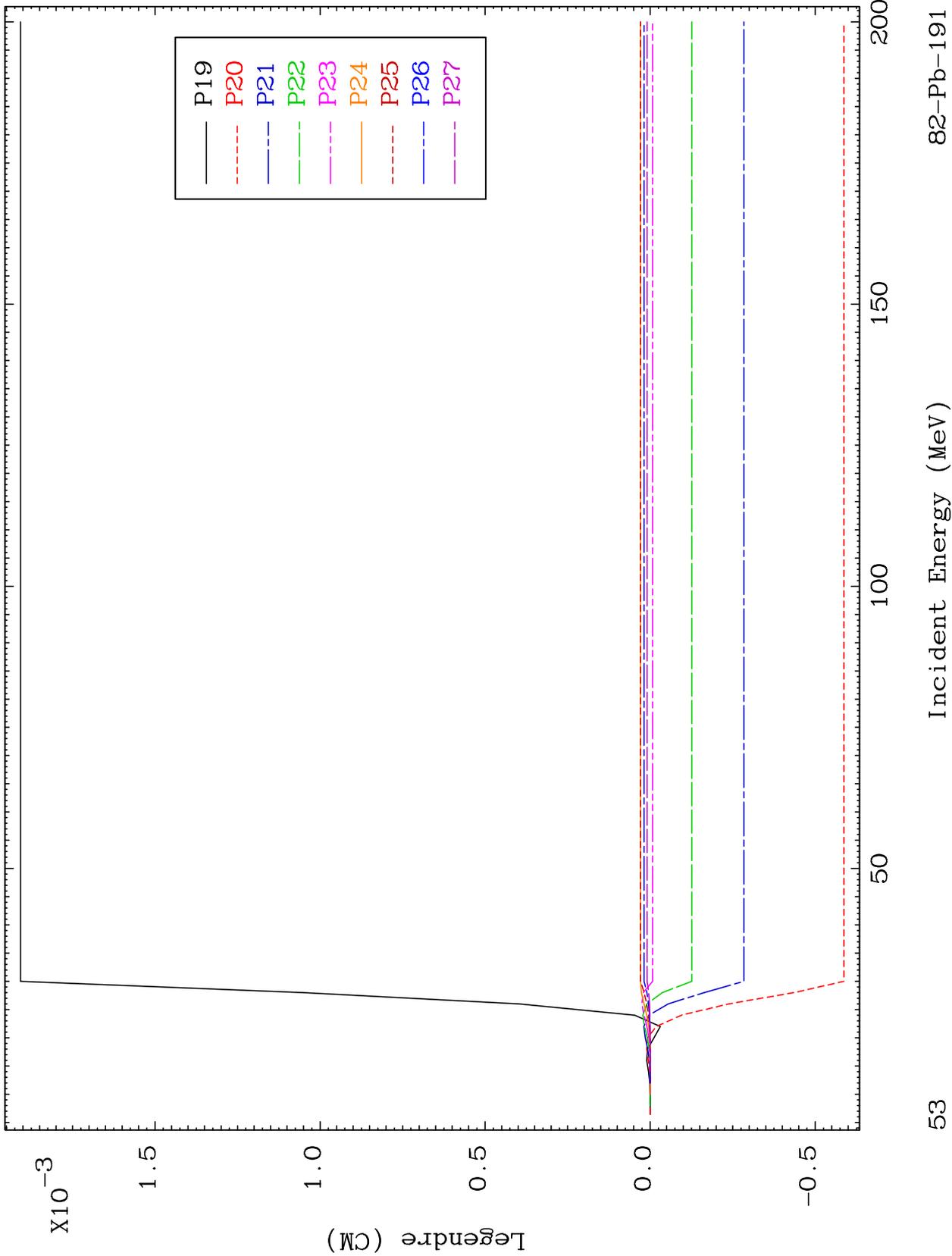
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Incident Energy (MeV)

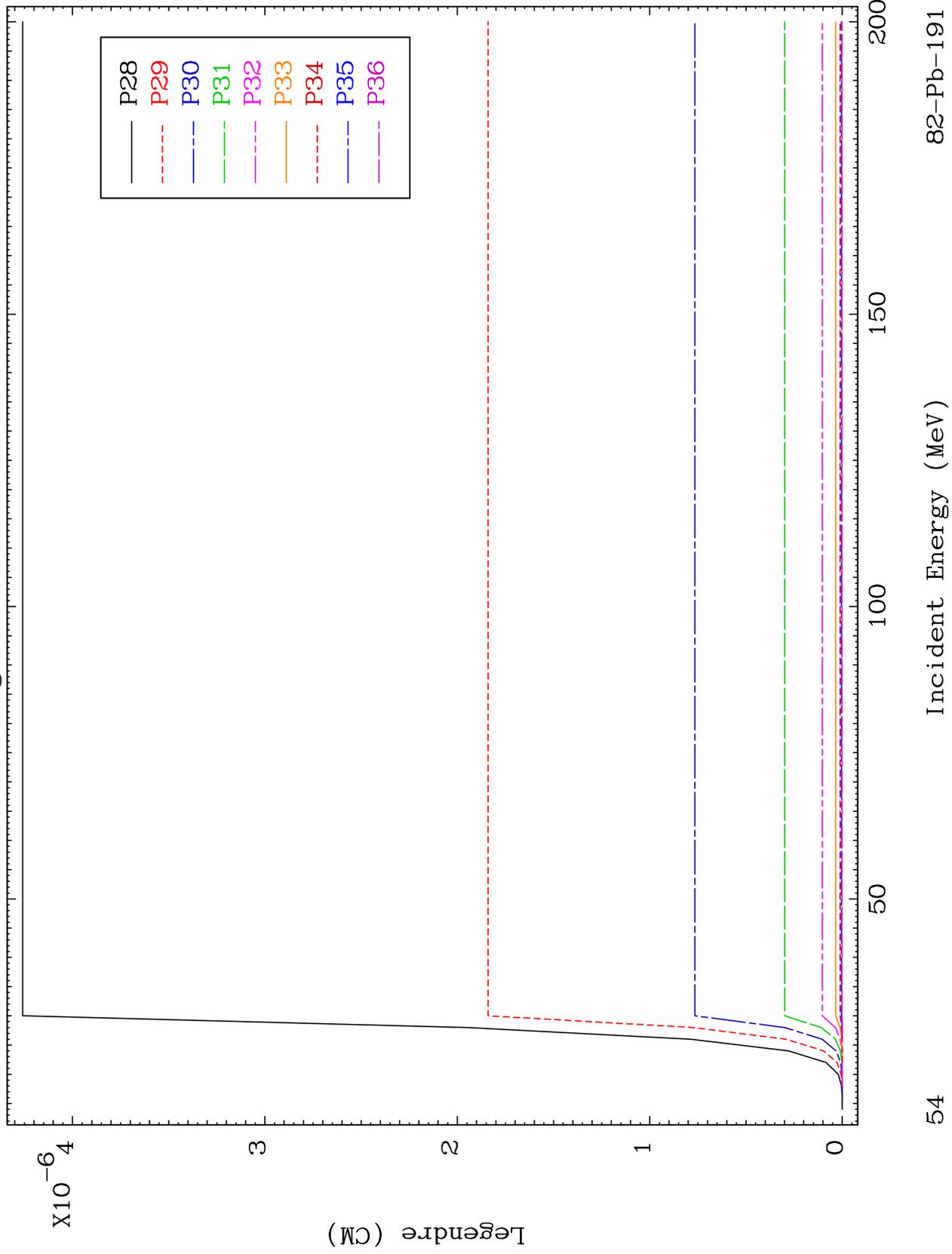
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MAT 8186

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

82-Pb-191



54

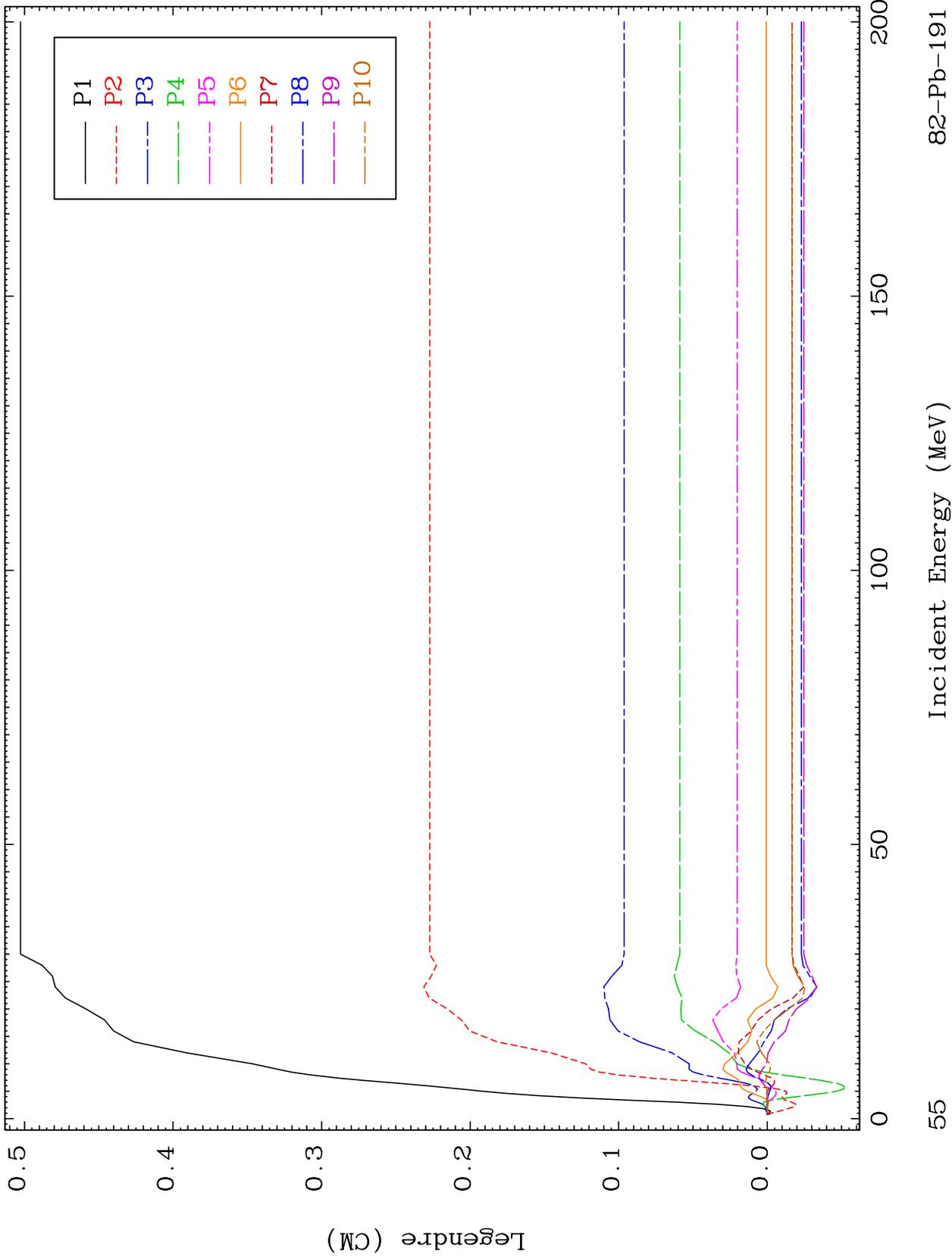
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



55

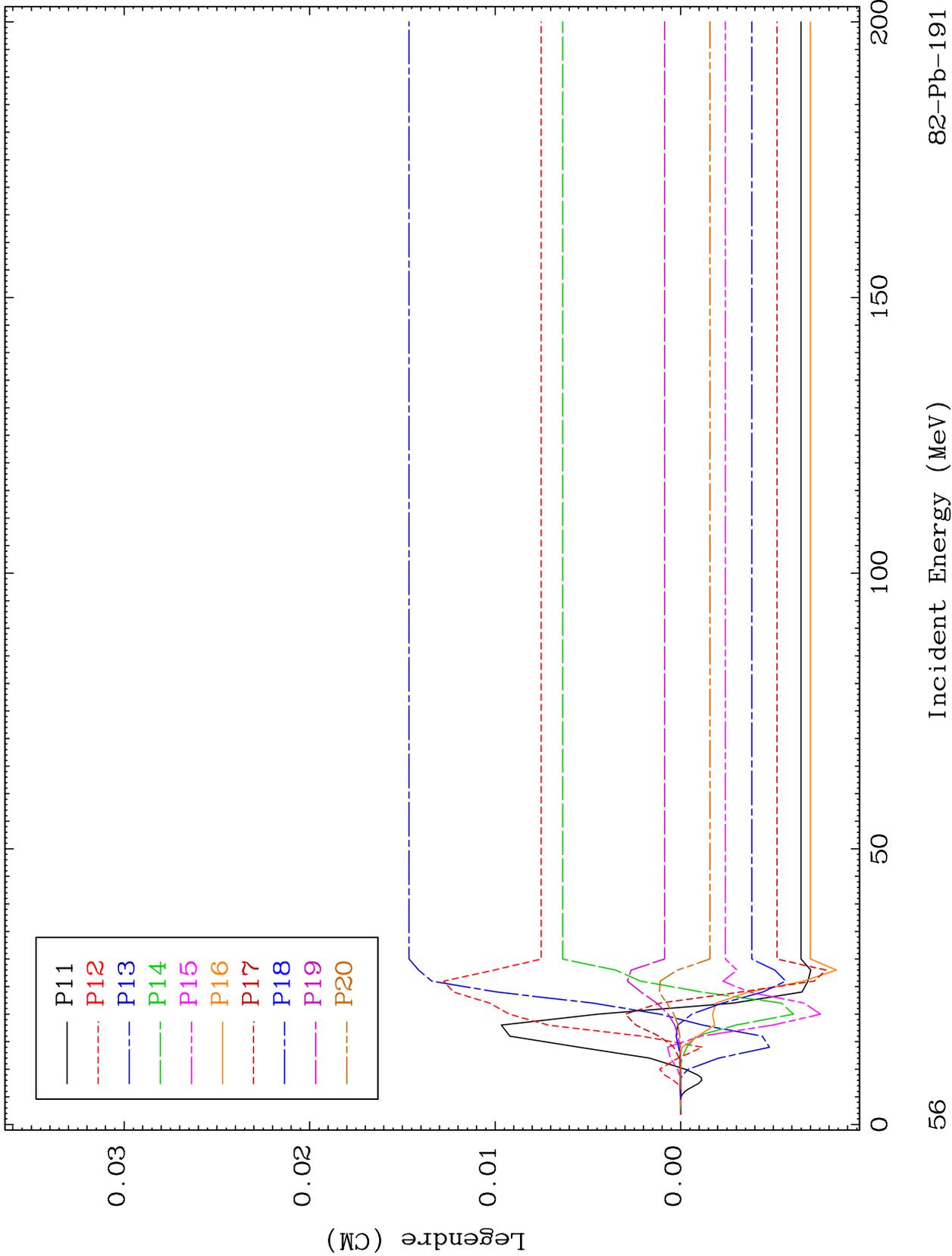
Incident Energy (MeV)

82-Pb-191

MAT 8186

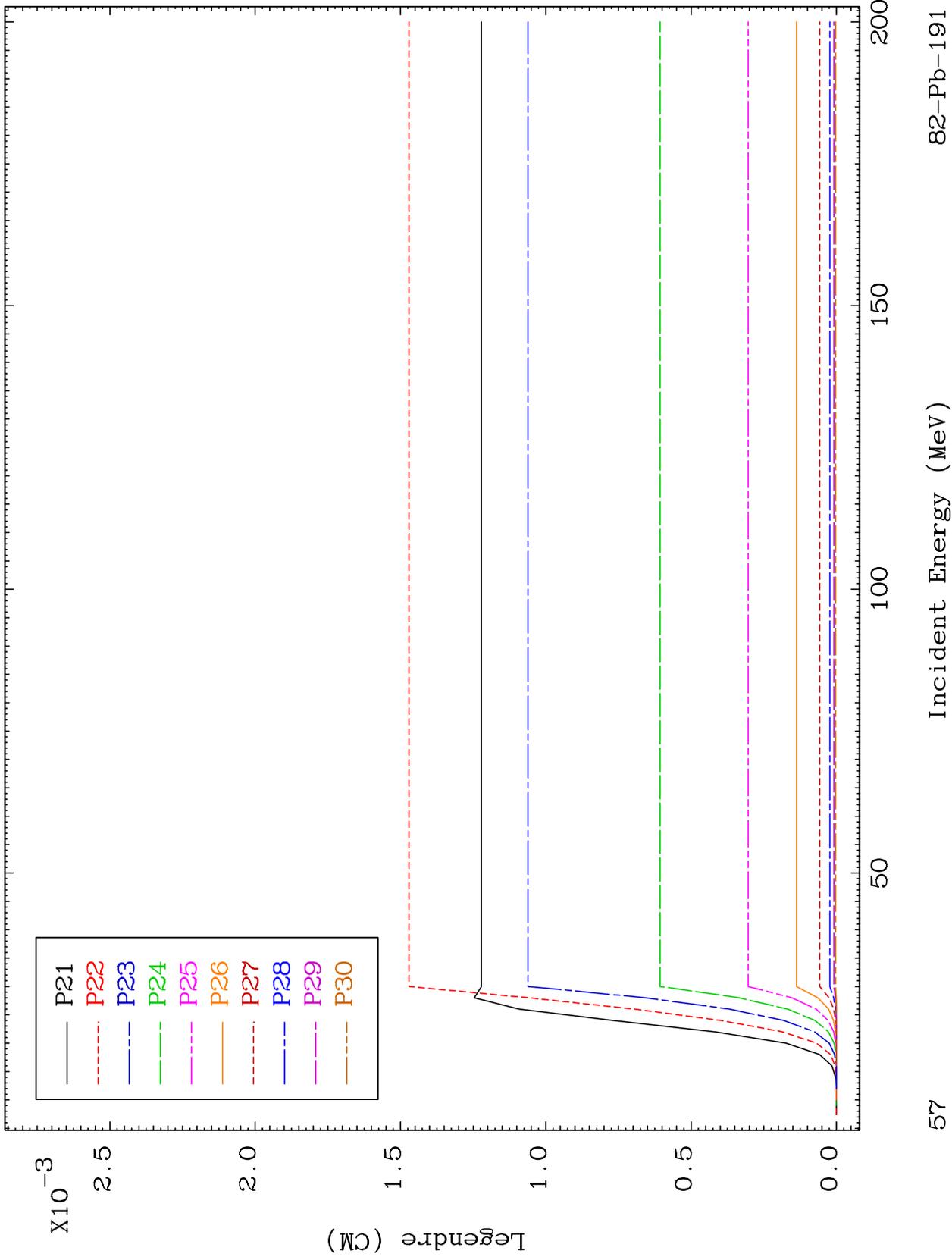
MT= 60 (n,n') Level  
Legendre Coefficients

82-Pb-191



56

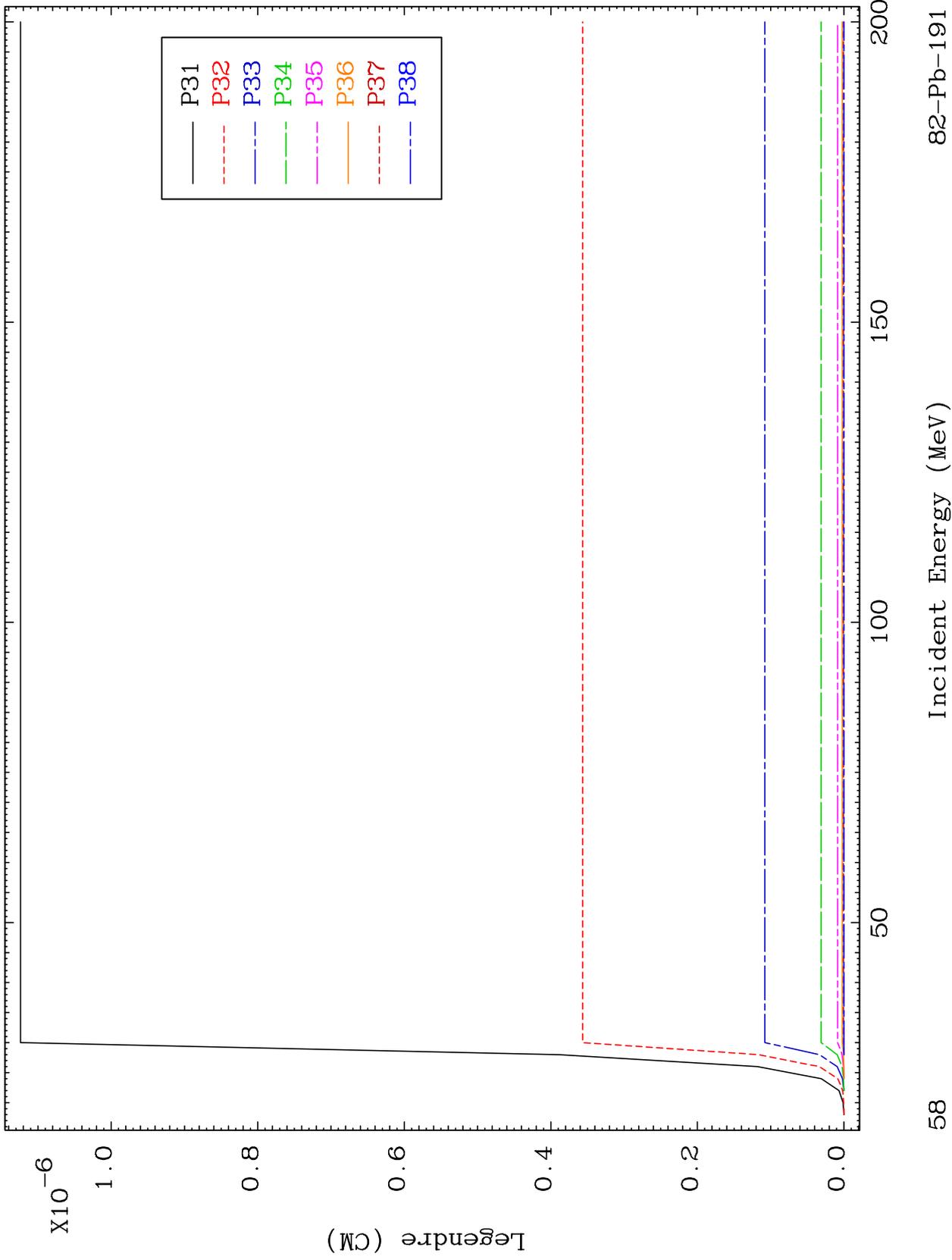
82-Pb-191



MAT 8186

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

82-Pb-191



58

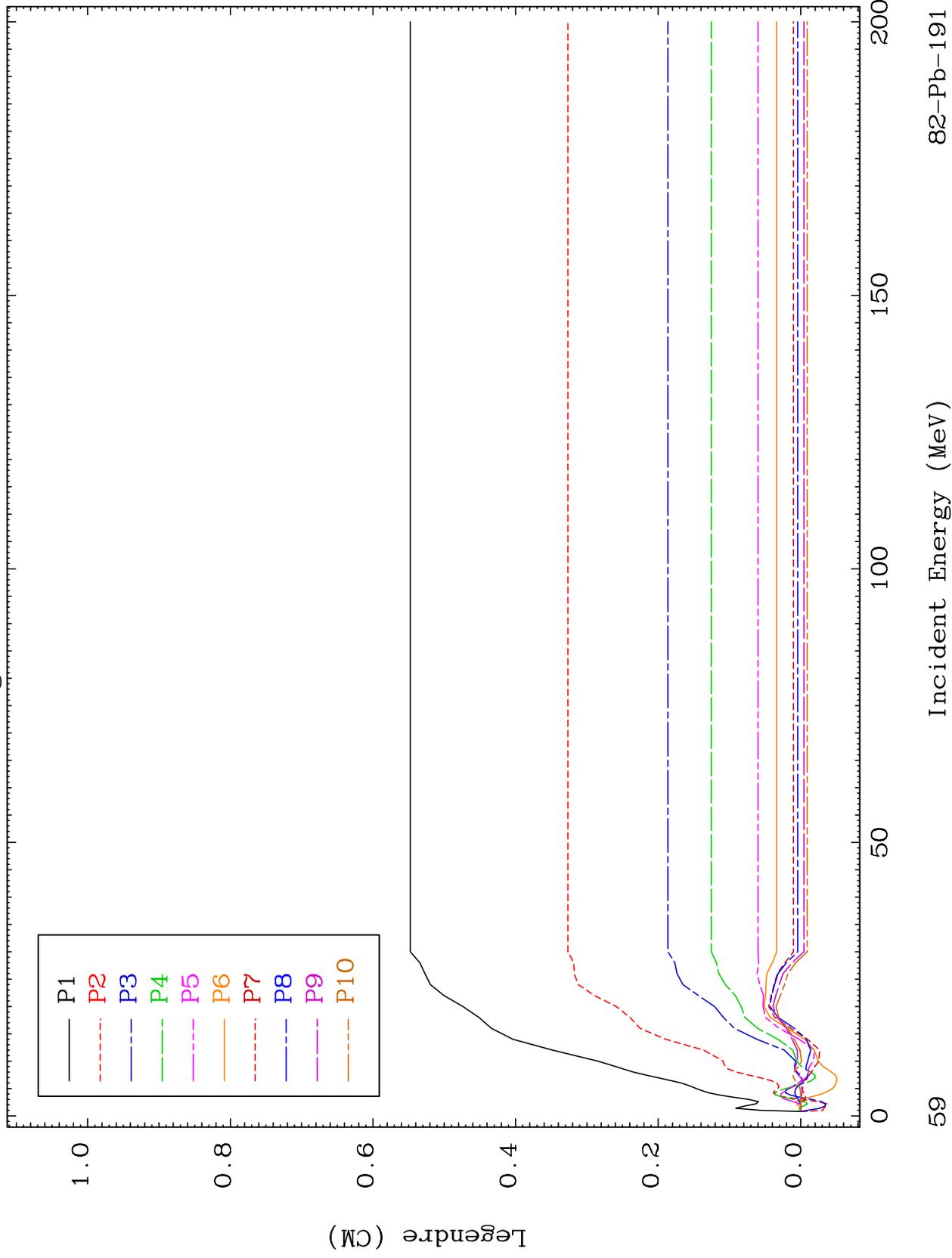
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

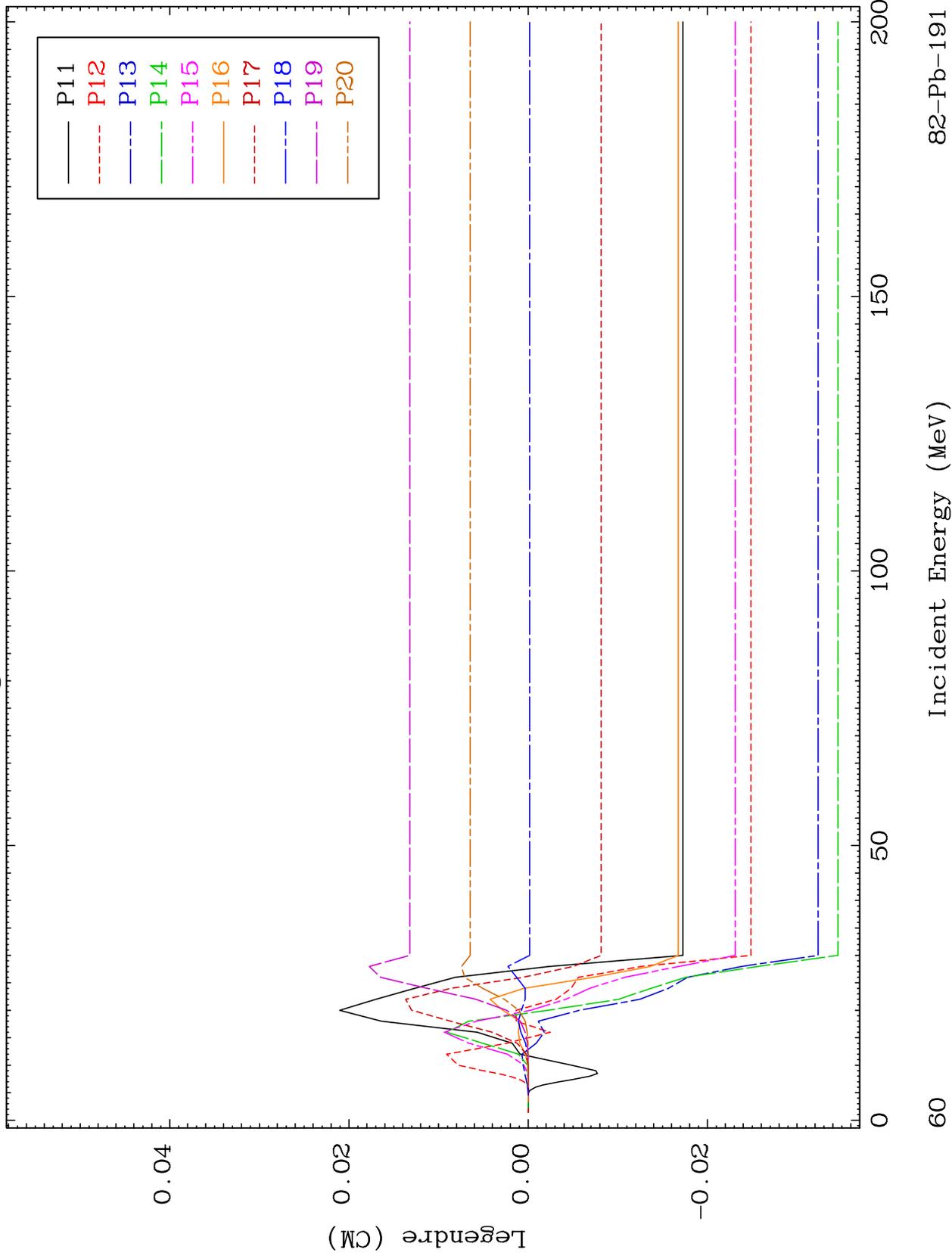
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MAT 8186

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

82-Pb-191



82-Pb-191

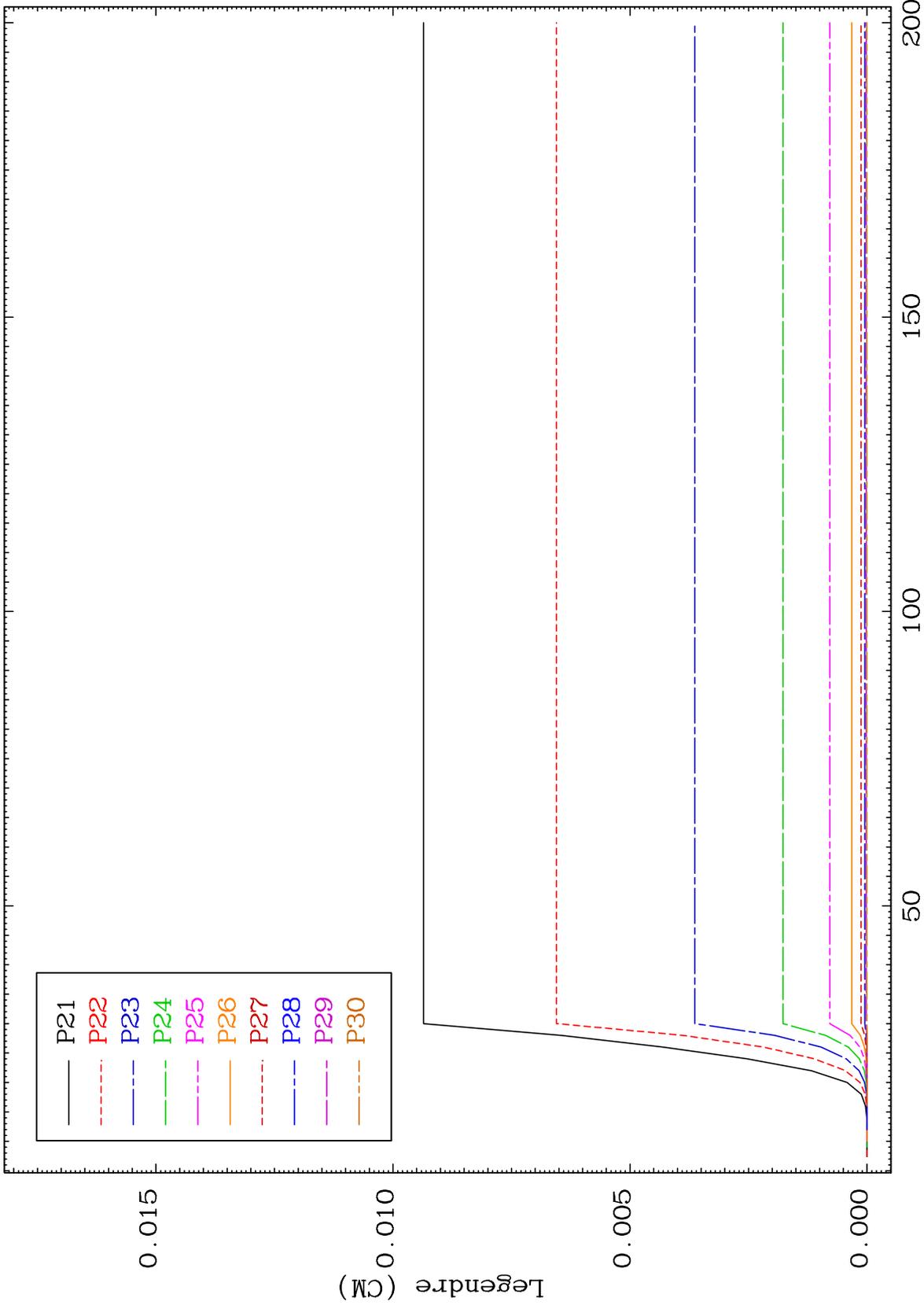
Incident Energy (MeV)

60

MAT 8186

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

82-Pb-191



61

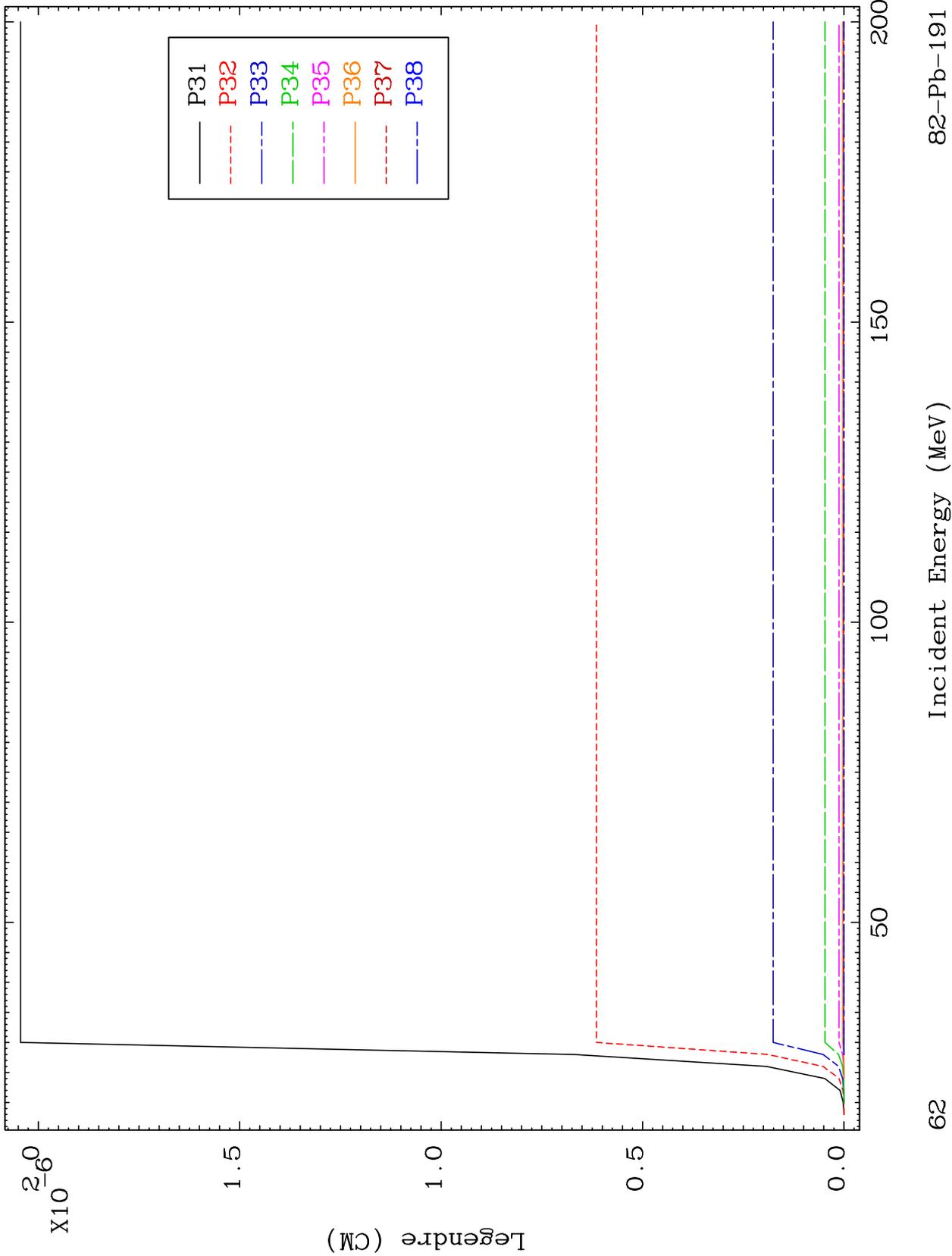
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



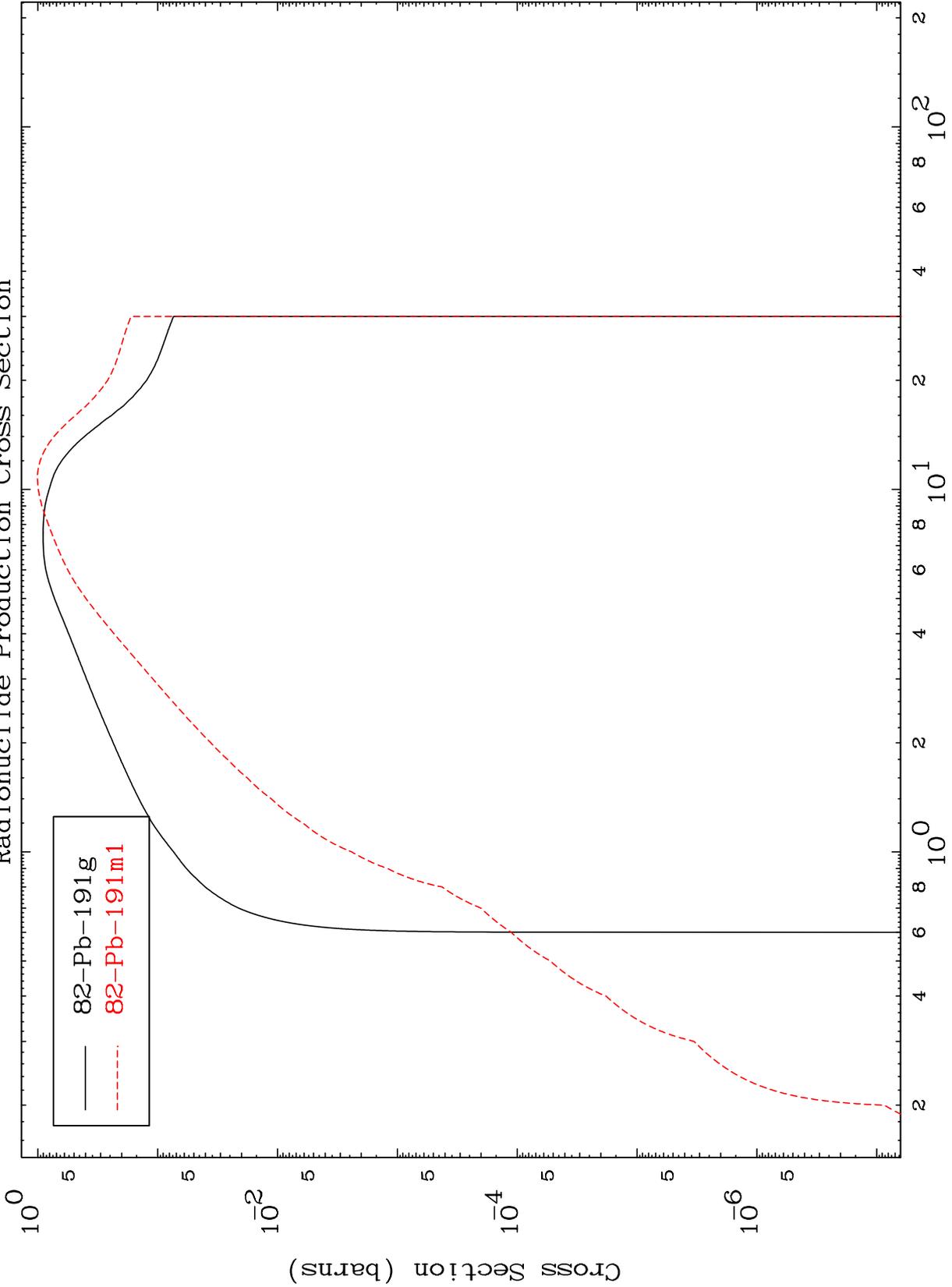
62

82-Pb-191

MAT 8186

82-Pb-191

Inelastic  
Radionuclide Production Cross Section



82-Pb-191 g  
82-Pb-191 m1

63

Incident Energy (MeV)

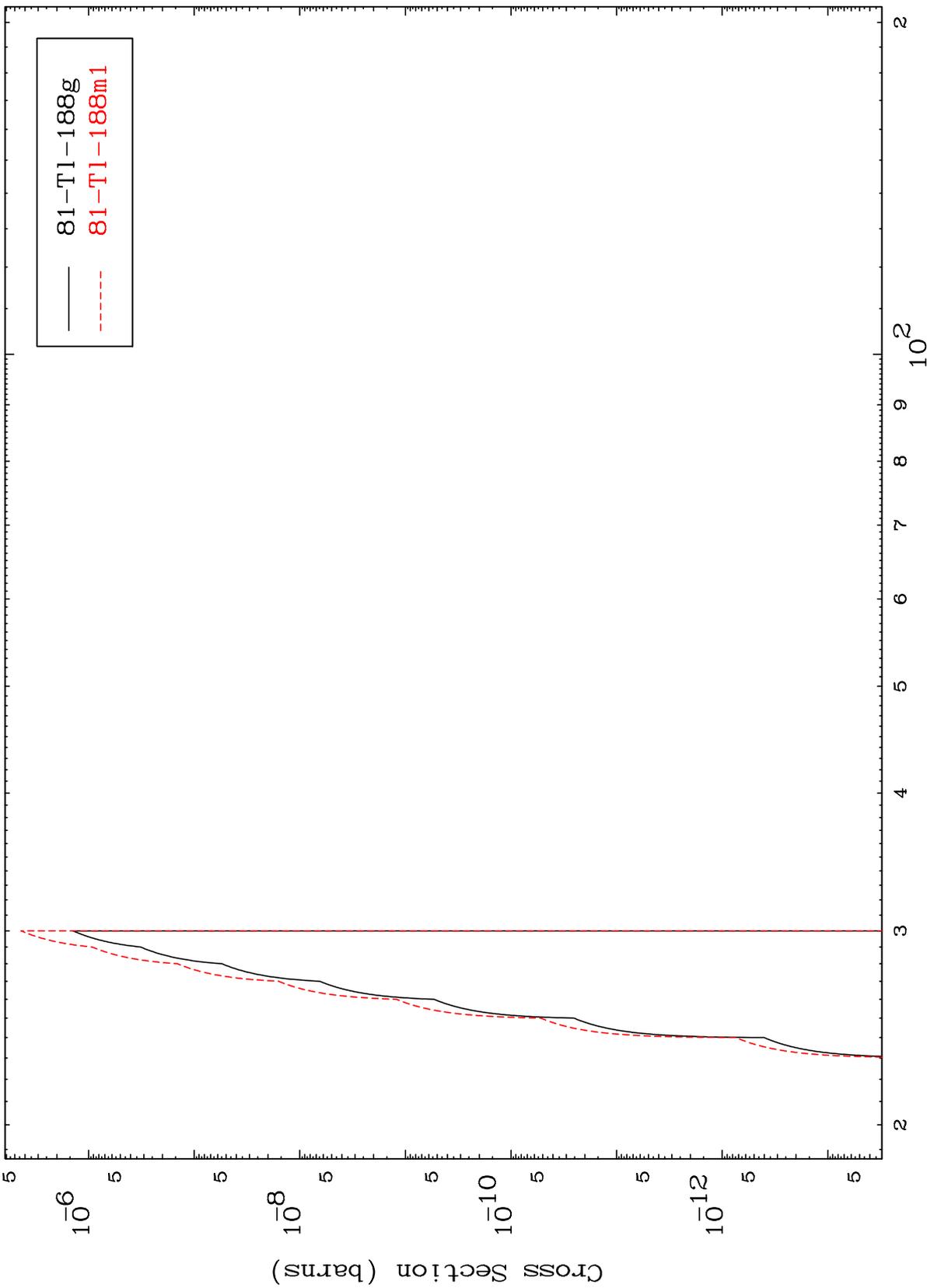
82-Pb-191

MAT 8186

(n,2n) d

82-Pb-191

Radionuclide Production Cross Section



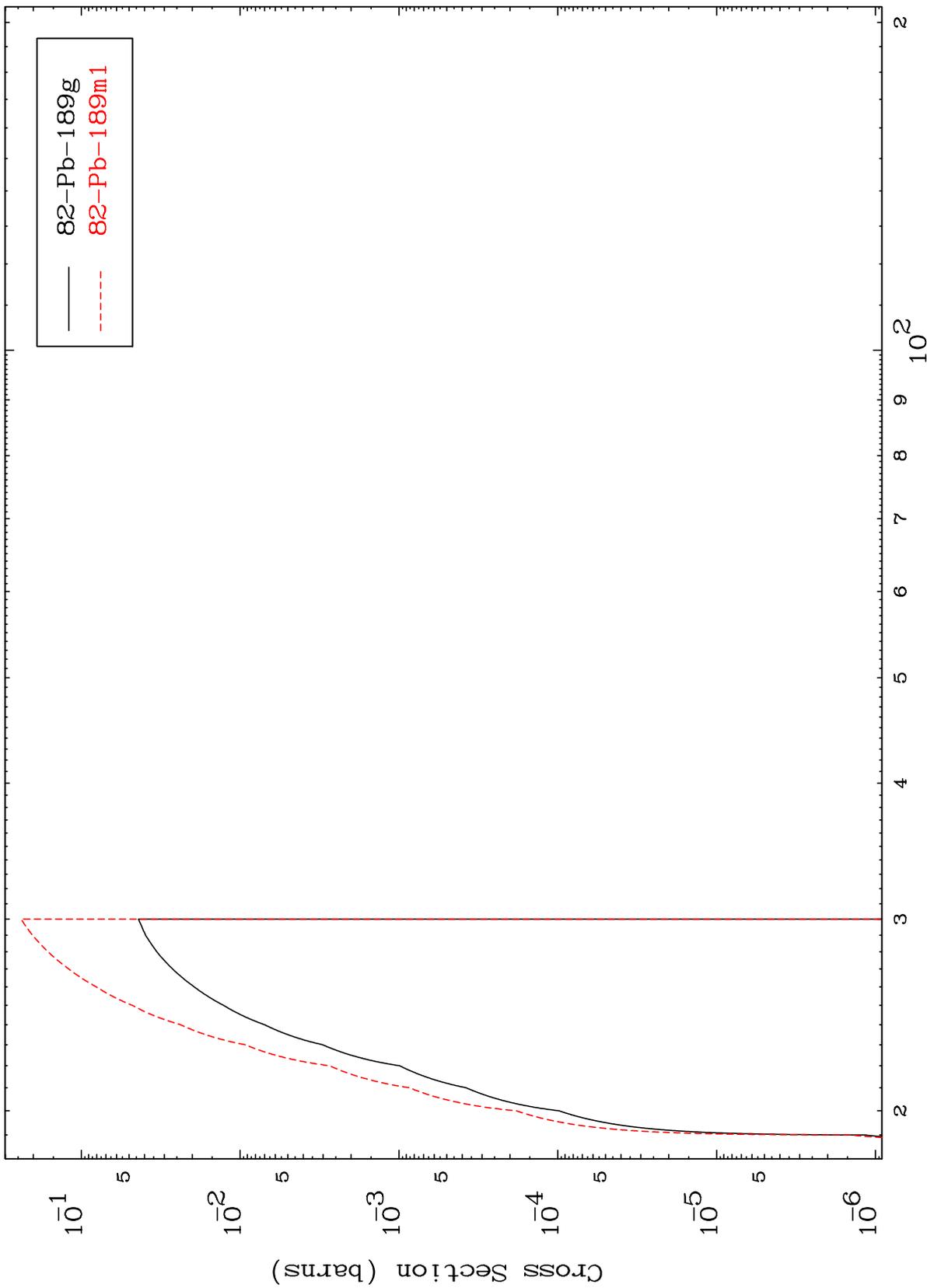
81-Tl-188g  
81-Tl-188m1

64

Incident Energy (MeV)

82-Pb-191

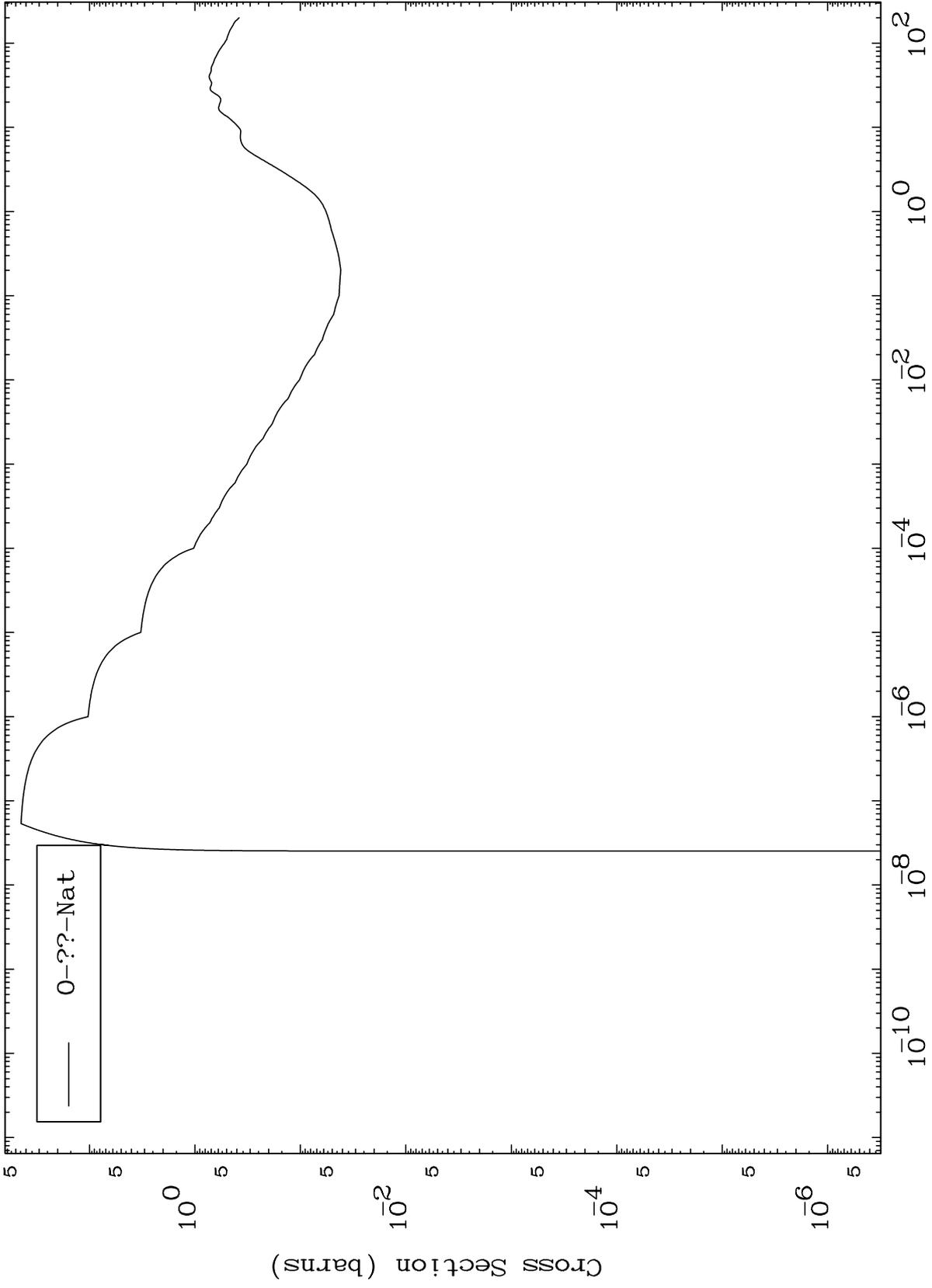
(n,3n)  
Radionuclide Production Cross Section



MAT 8186

82-Pb-191

Fission  
Radionuclide Production Cross Section



66

82-Pb-191

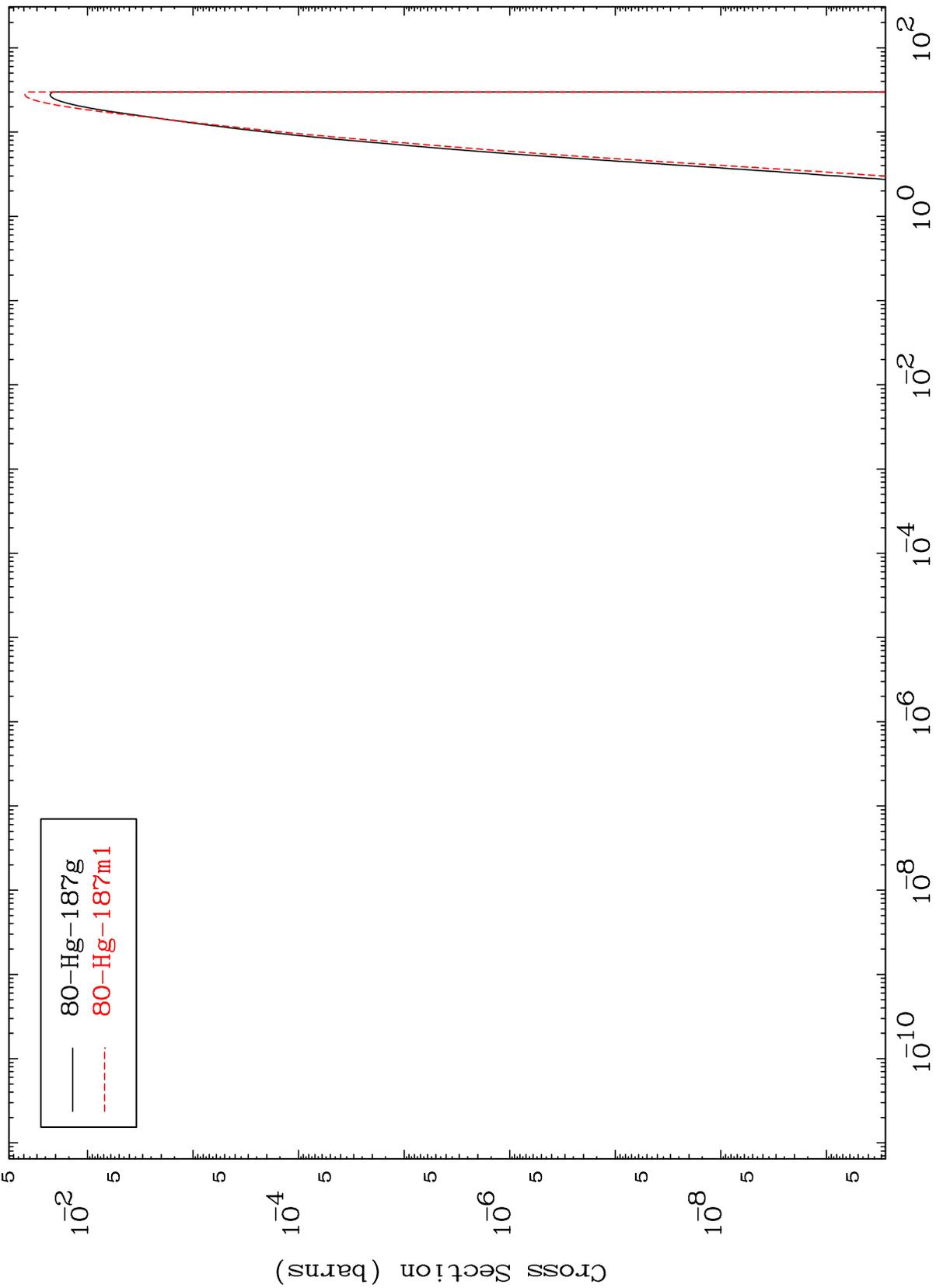
Incident Energy (MeV)

MAT 8186

$(n, n') \alpha$

82-Pb-191

Radionuclide Production Cross Section

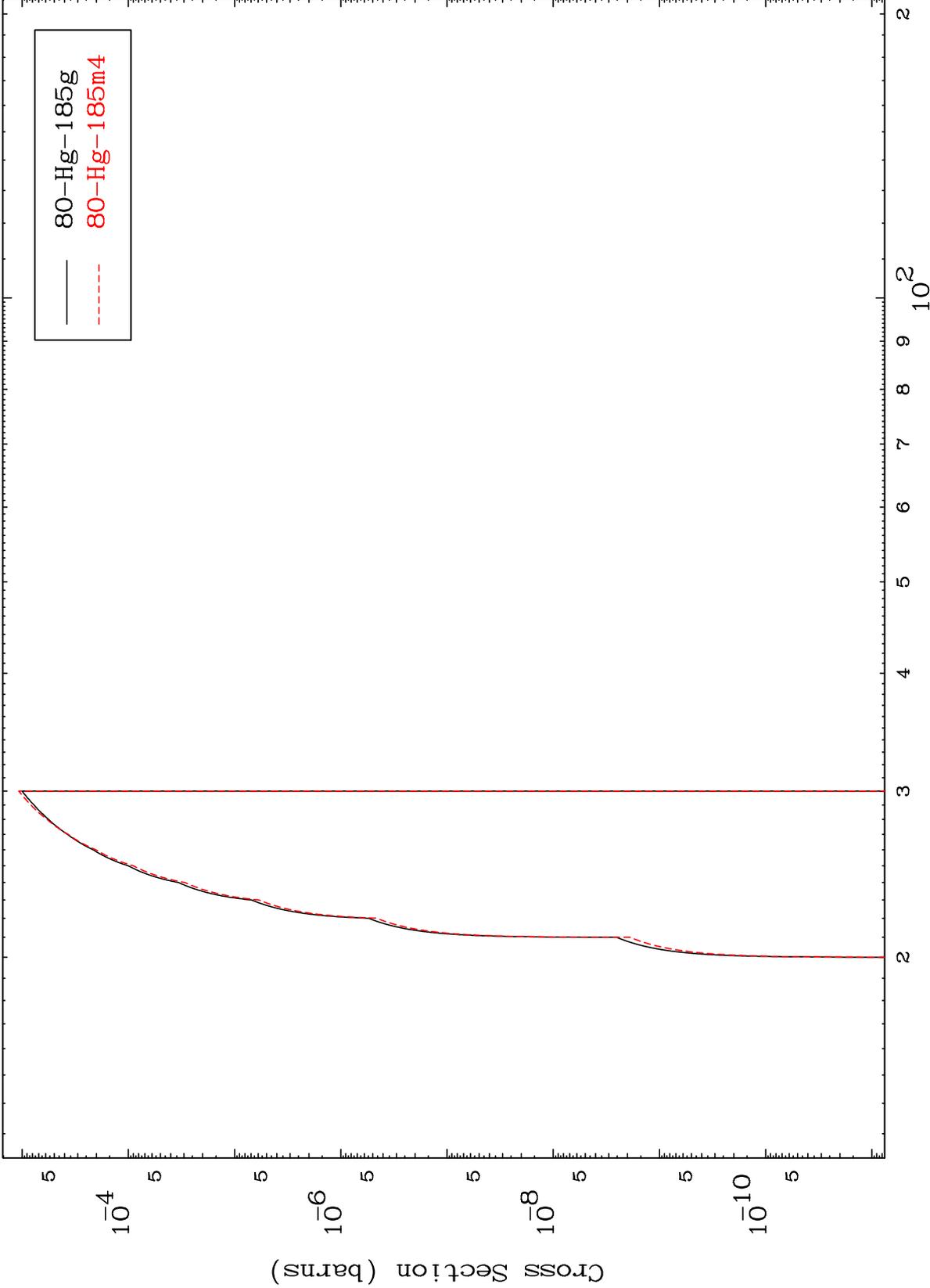


MAT 8186

(n,3n)  $\alpha$

82-Pb-191

Radionuclide Production Cross Section



68

Incident Energy (MeV)

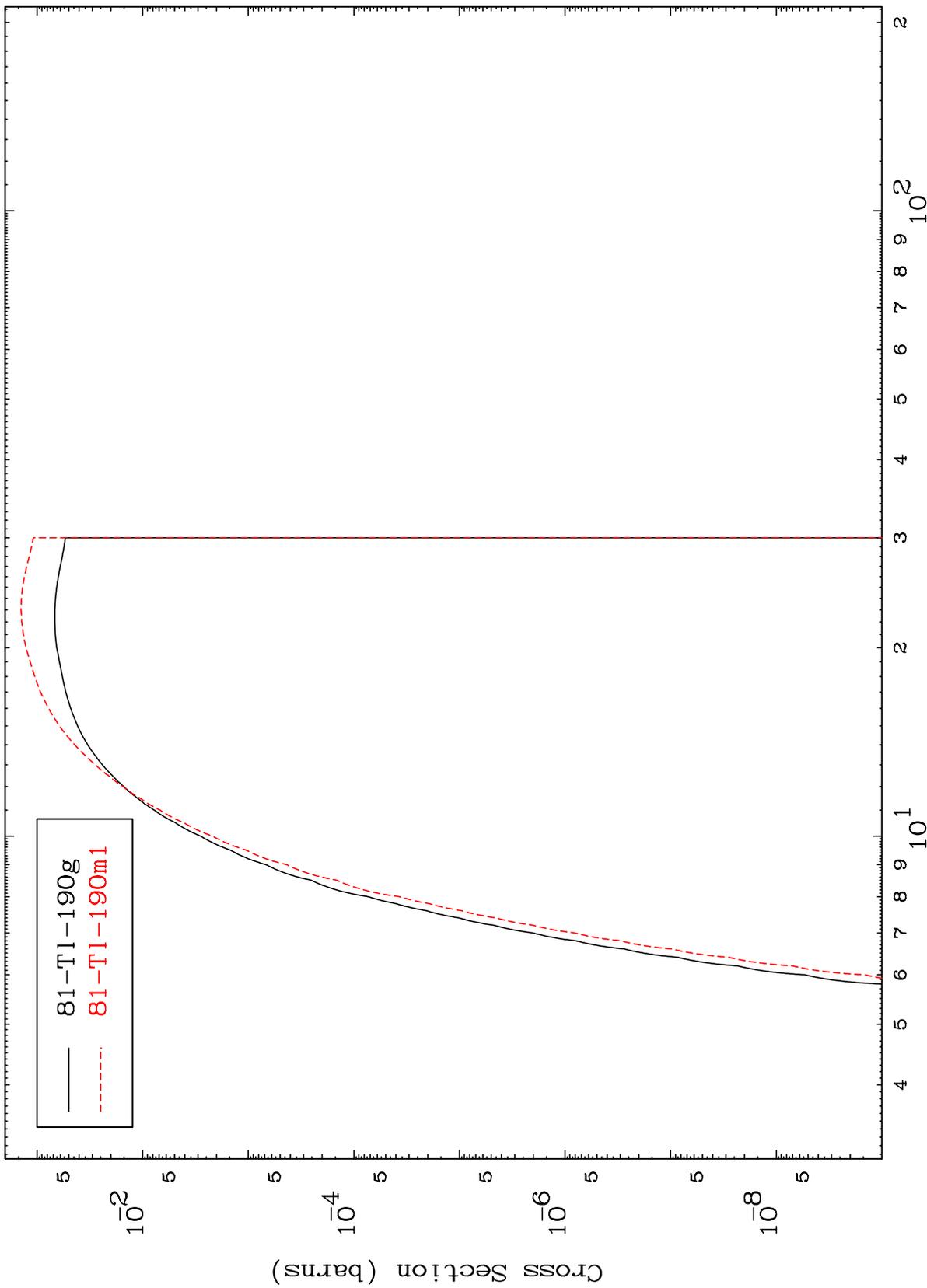
82-Pb-191

MAT 8186

(n,n') p

82-Pb-191

Radionuclide Production Cross Section



69

Incident Energy (MeV)

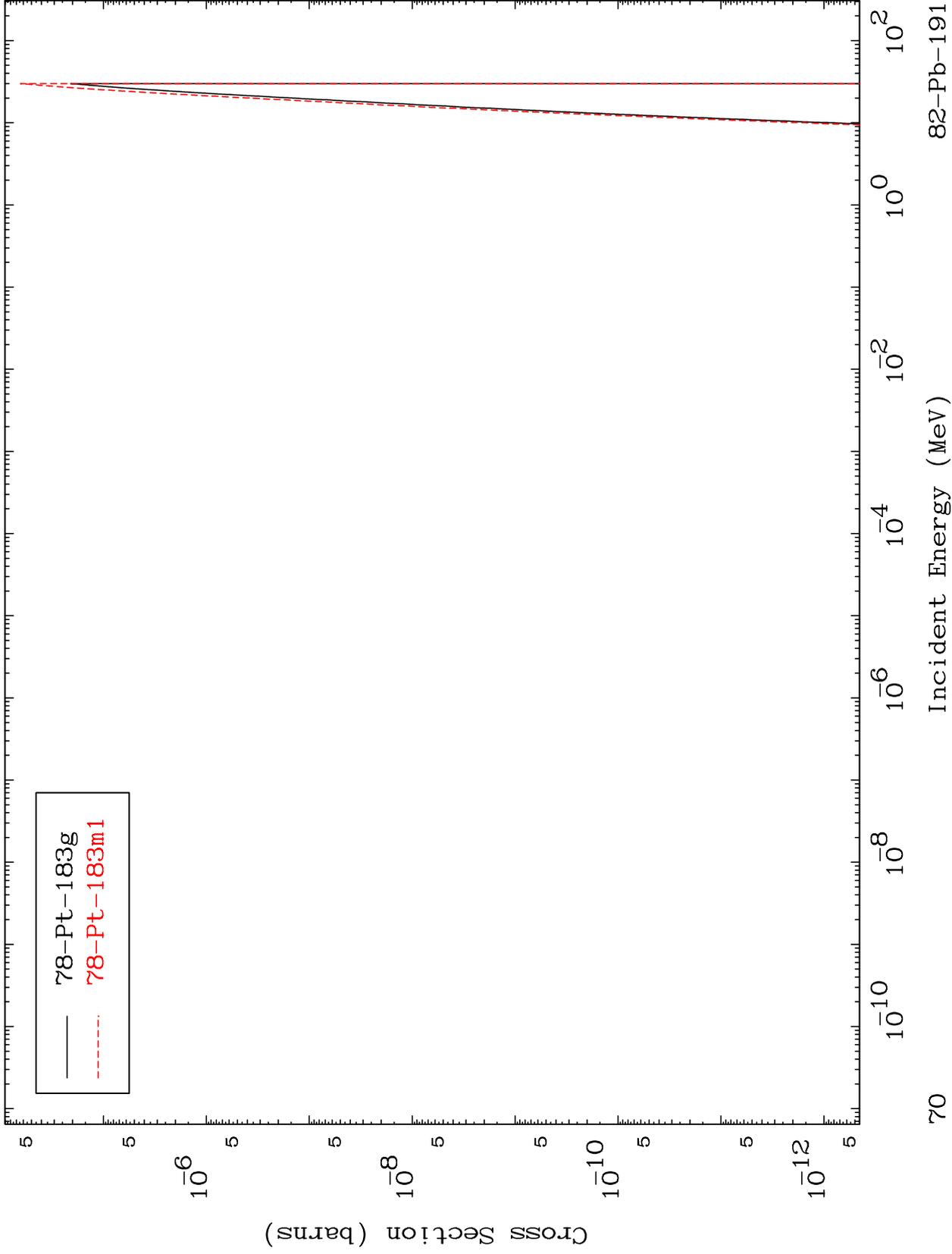
82-Pb-191

MAT 8186

(n,n') 2α

82-Pb-191

Radionuclide Production Cross Section



78-Pt-183g  
78-Pt-183m1

70

Incident Energy (MeV)

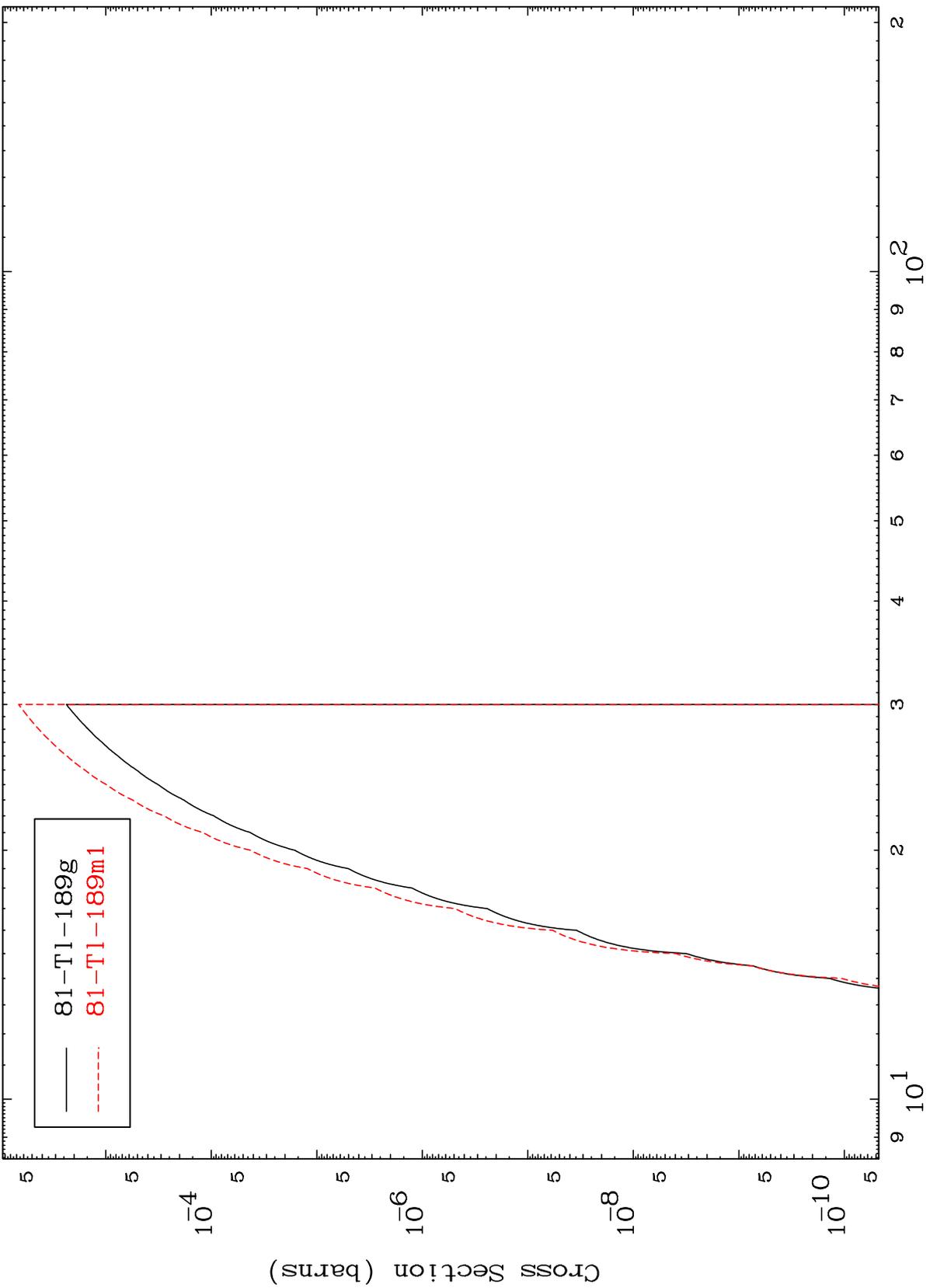
82-Pb-191

MAT 8186

(n,n') d

82-Pb-191

Radionuclide Production Cross Section



71

Incident Energy (MeV)

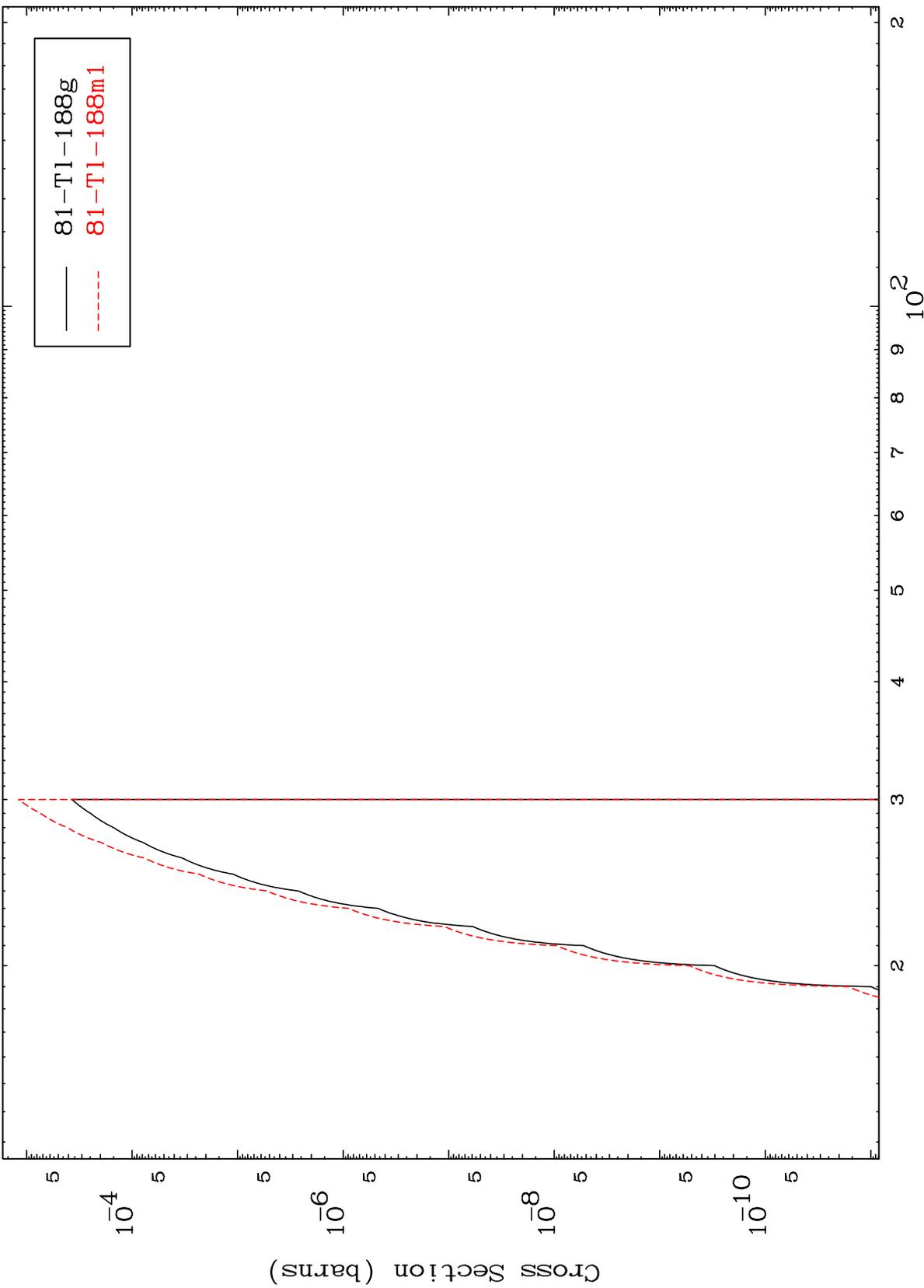
82-Pb-191

MAT 8186

(n,n') t

82-Pb-191

Radionuclide Production Cross Section



72

Incident Energy (MeV)

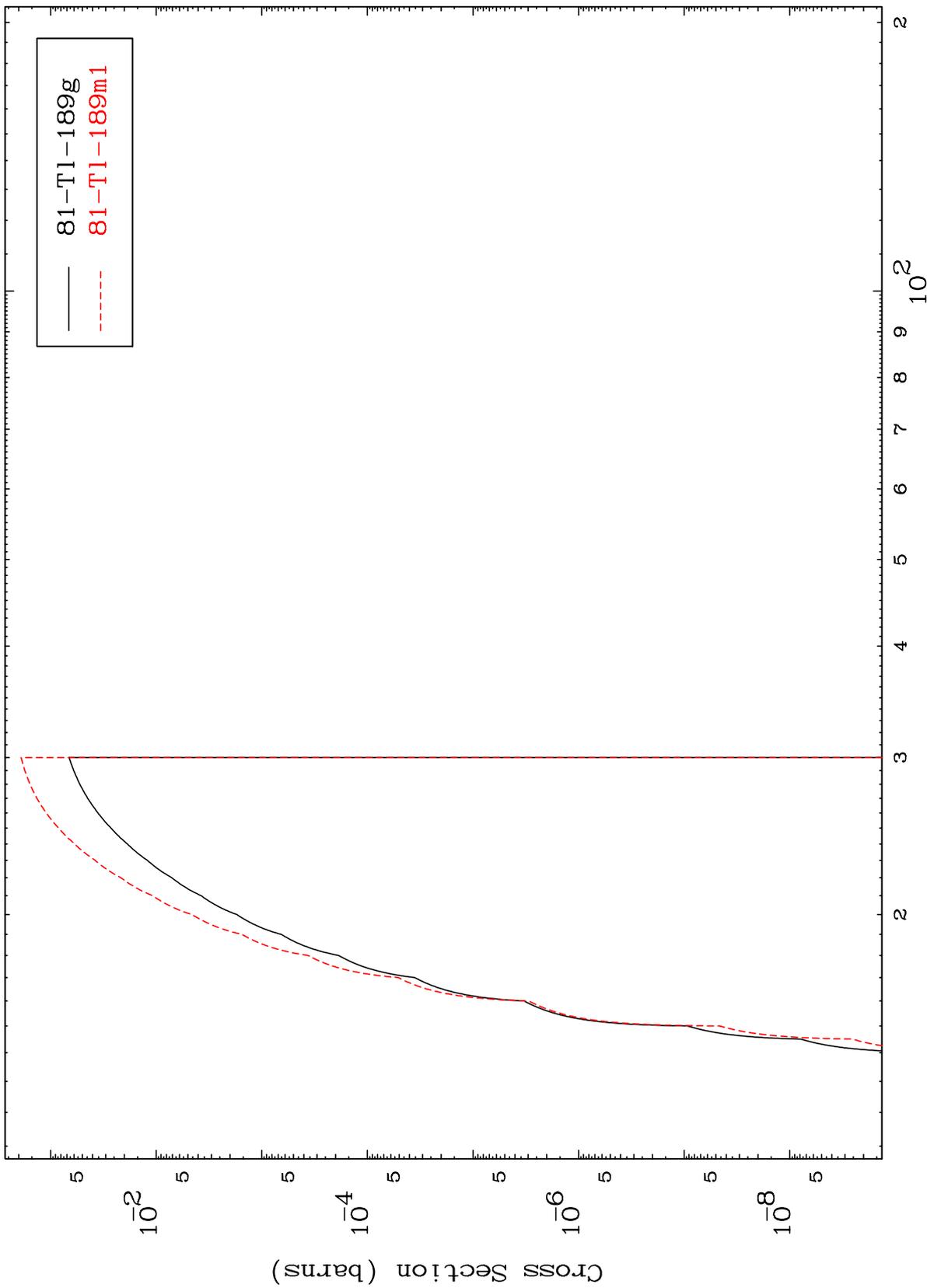
82-Pb-191

MAT 8186

(n,2n) p

82-Pb-191

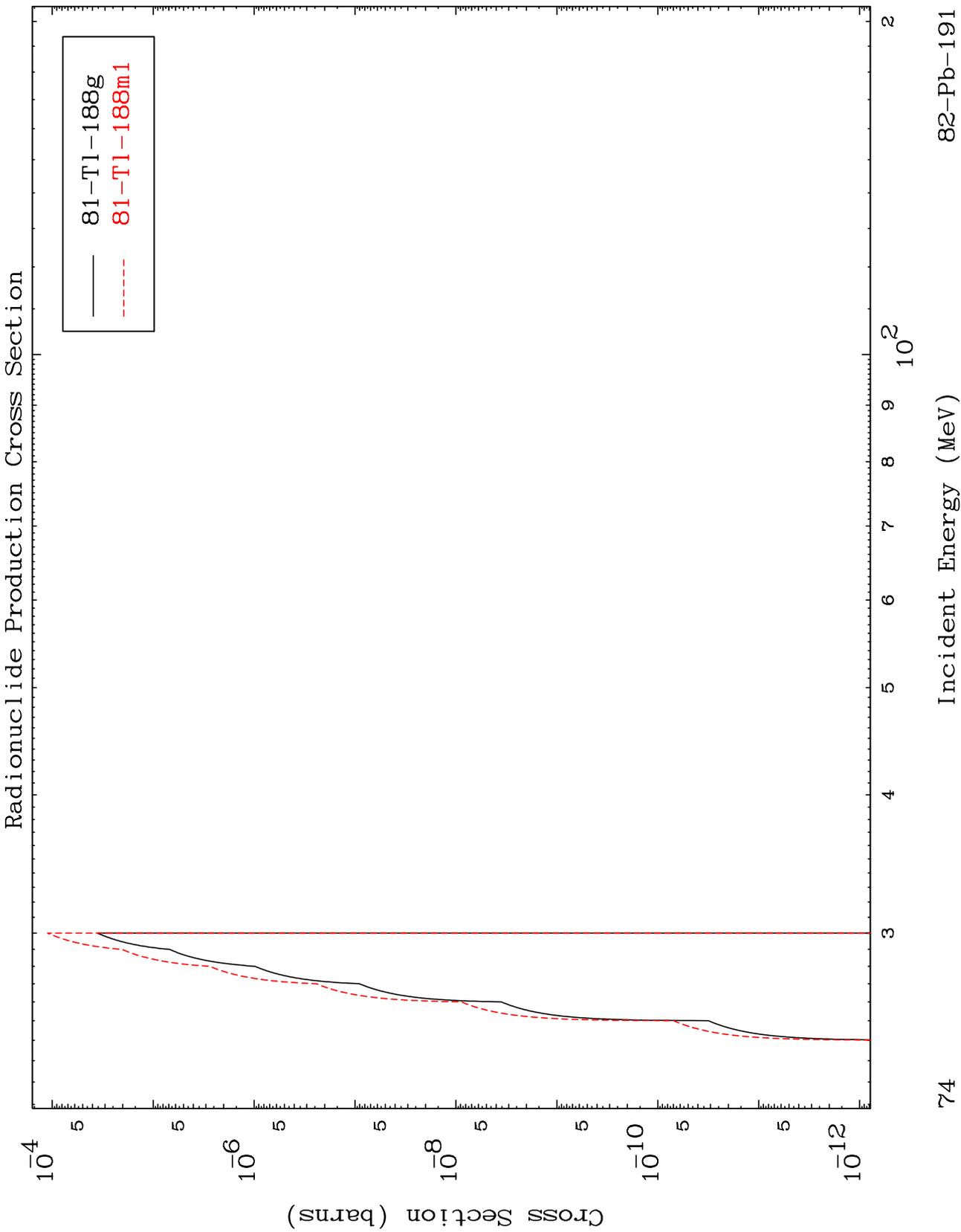
Radionuclide Production Cross Section



73

Incident Energy (MeV)

82-Pb-191

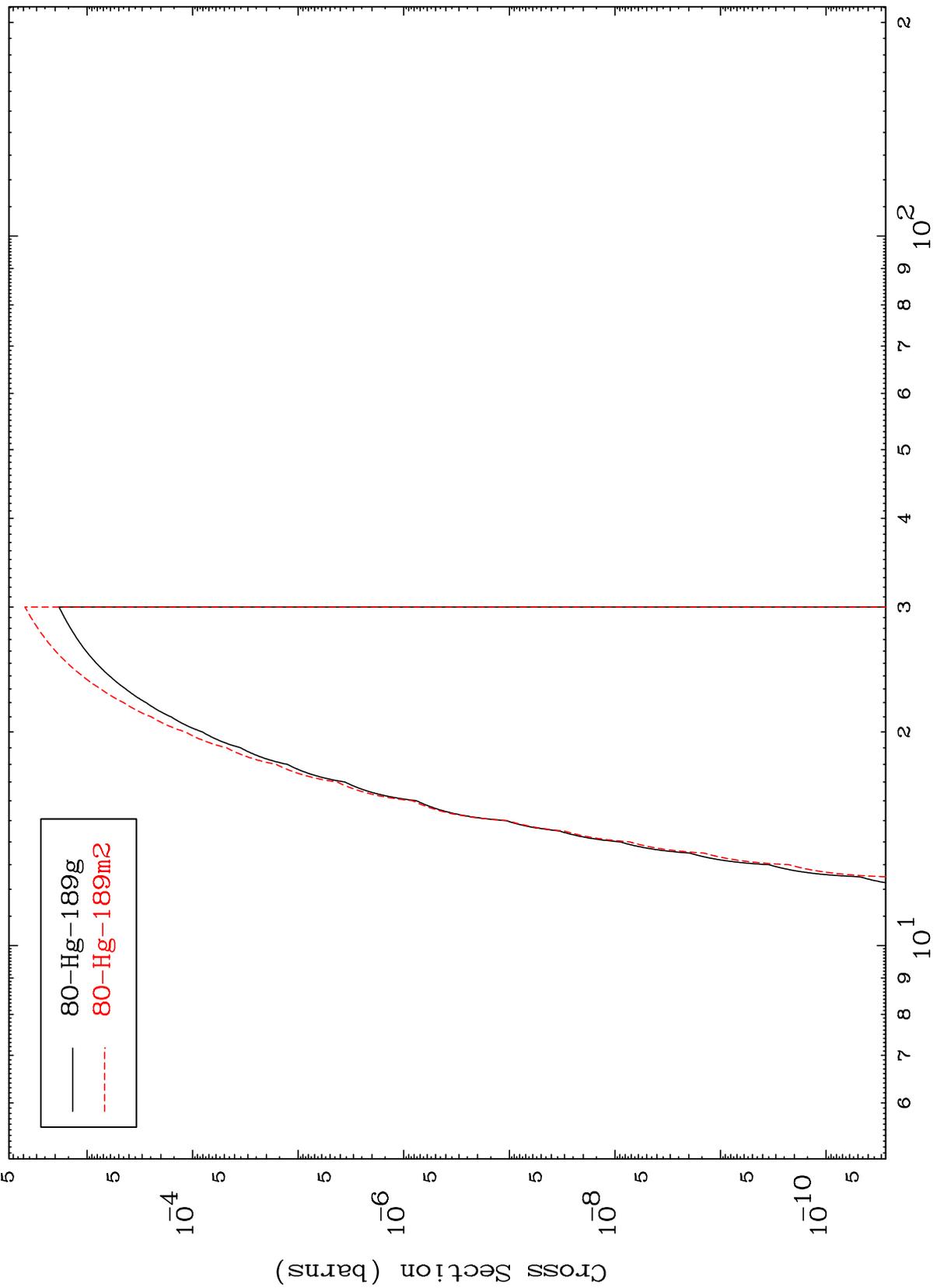


MAT 8186

(n,2n) p

82-Pb-191

Radionuclide Production Cross Section



80-Hg-189g  
80-Hg-189m2

75

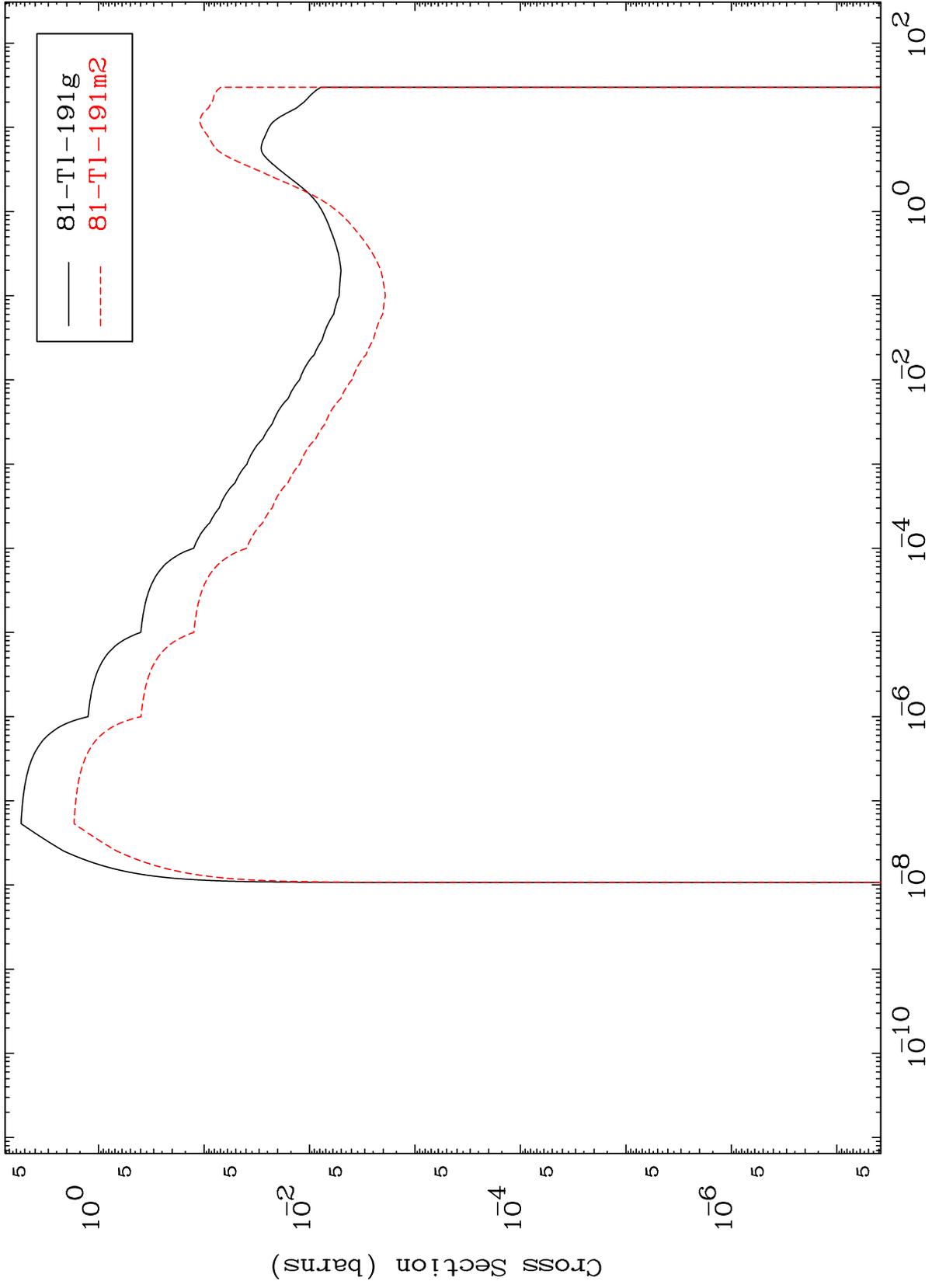
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

(n,p)  
Radionuclide Production Cross Section



— 81-Tl-191g  
- - - 81-Tl-191m2

76

82-Pb-191

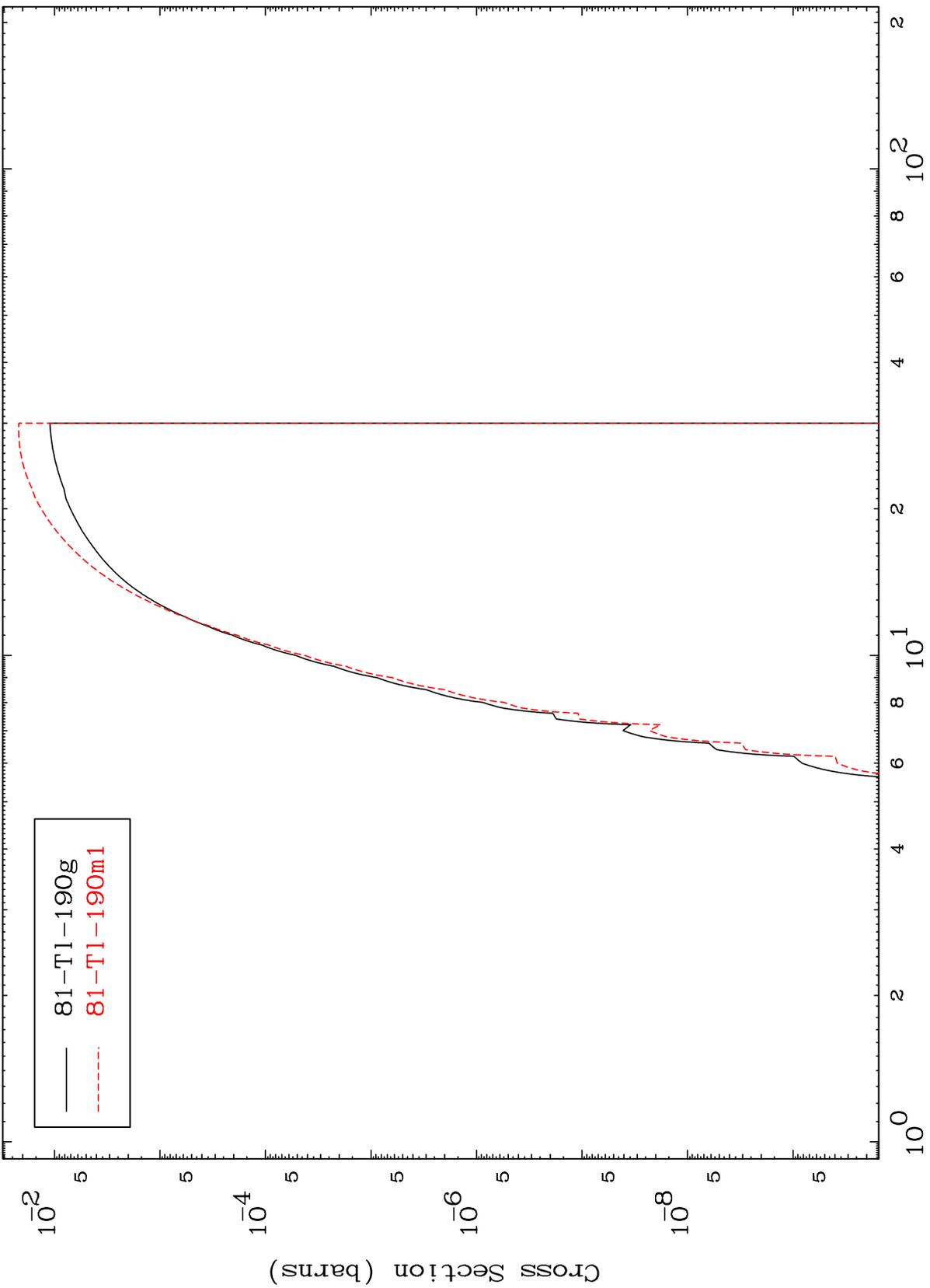
Incident Energy (MeV)

MAT 8186

(n,d)

82-Pb-191

Radionuclide Production Cross Section



81-Tl-190g  
81-Tl-190m1

77

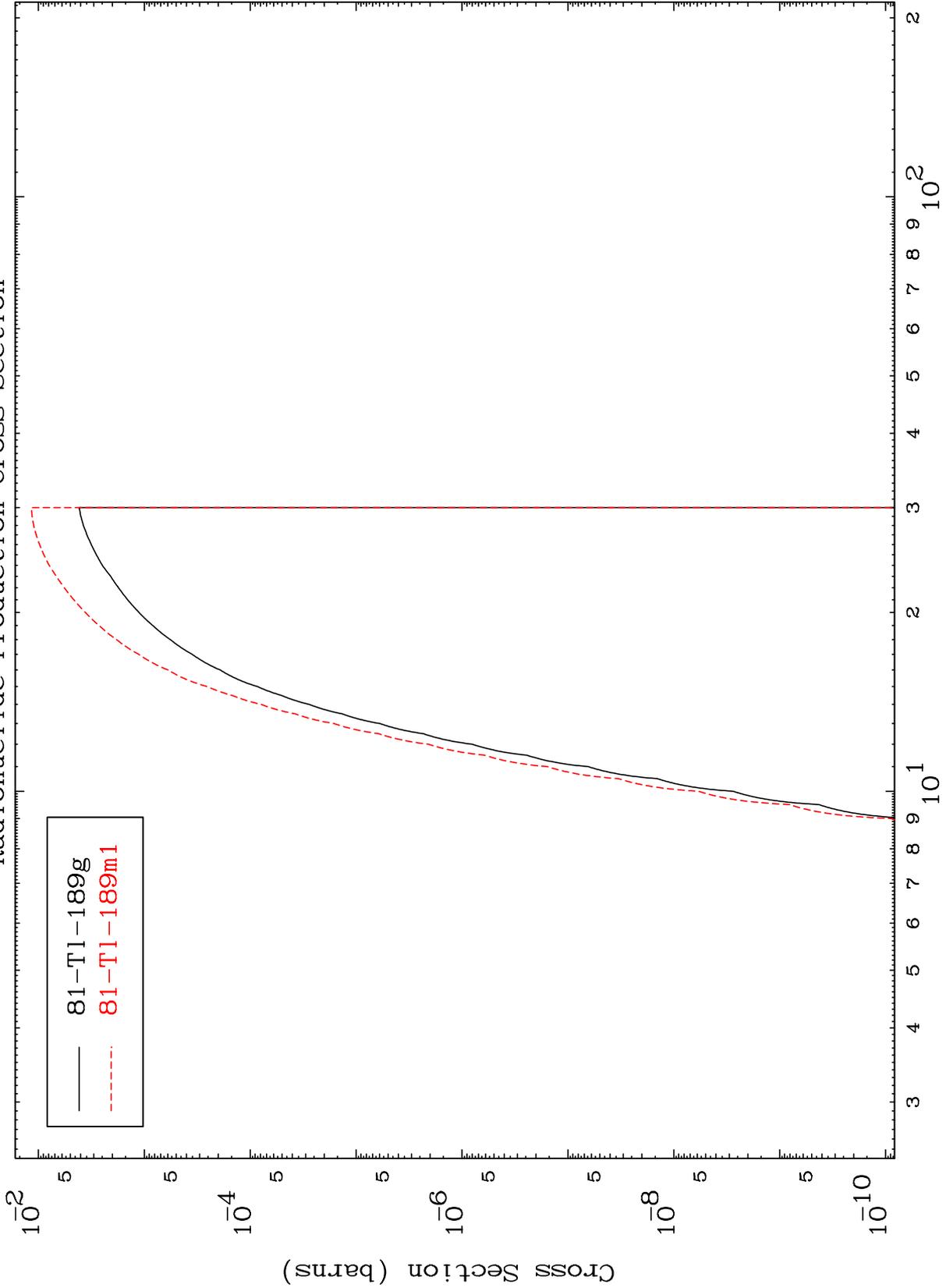
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

(n, t)  
Radionuclide Production Cross Section



— 81-Tl-189g  
- - - 81-Tl-189m1

78

Incident Energy (MeV)

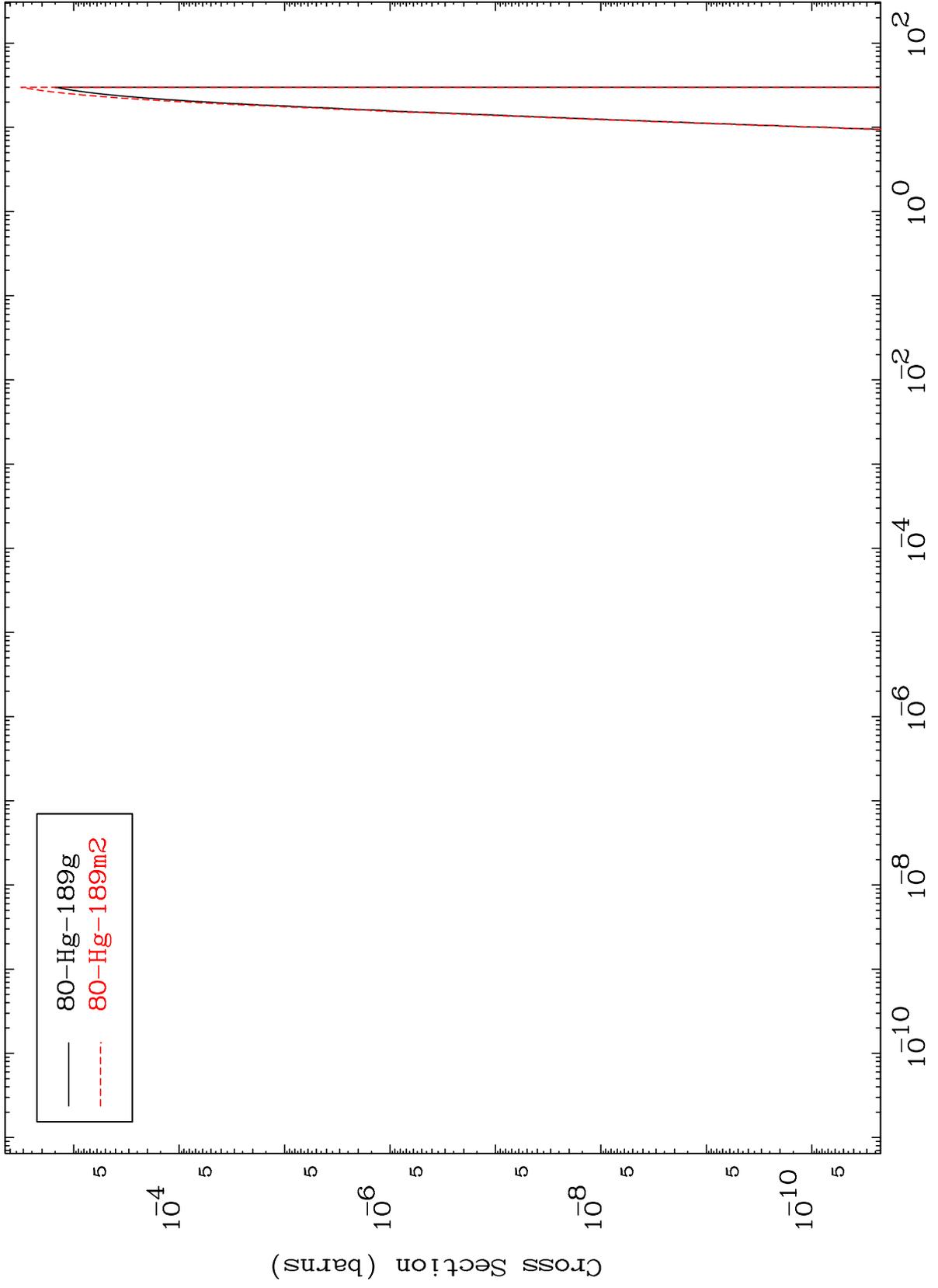
82-Pb-191

MAT 8186

(n,He-3)

82-Pb-191

Radionuclide Production Cross Section



79

Incident Energy (MeV)

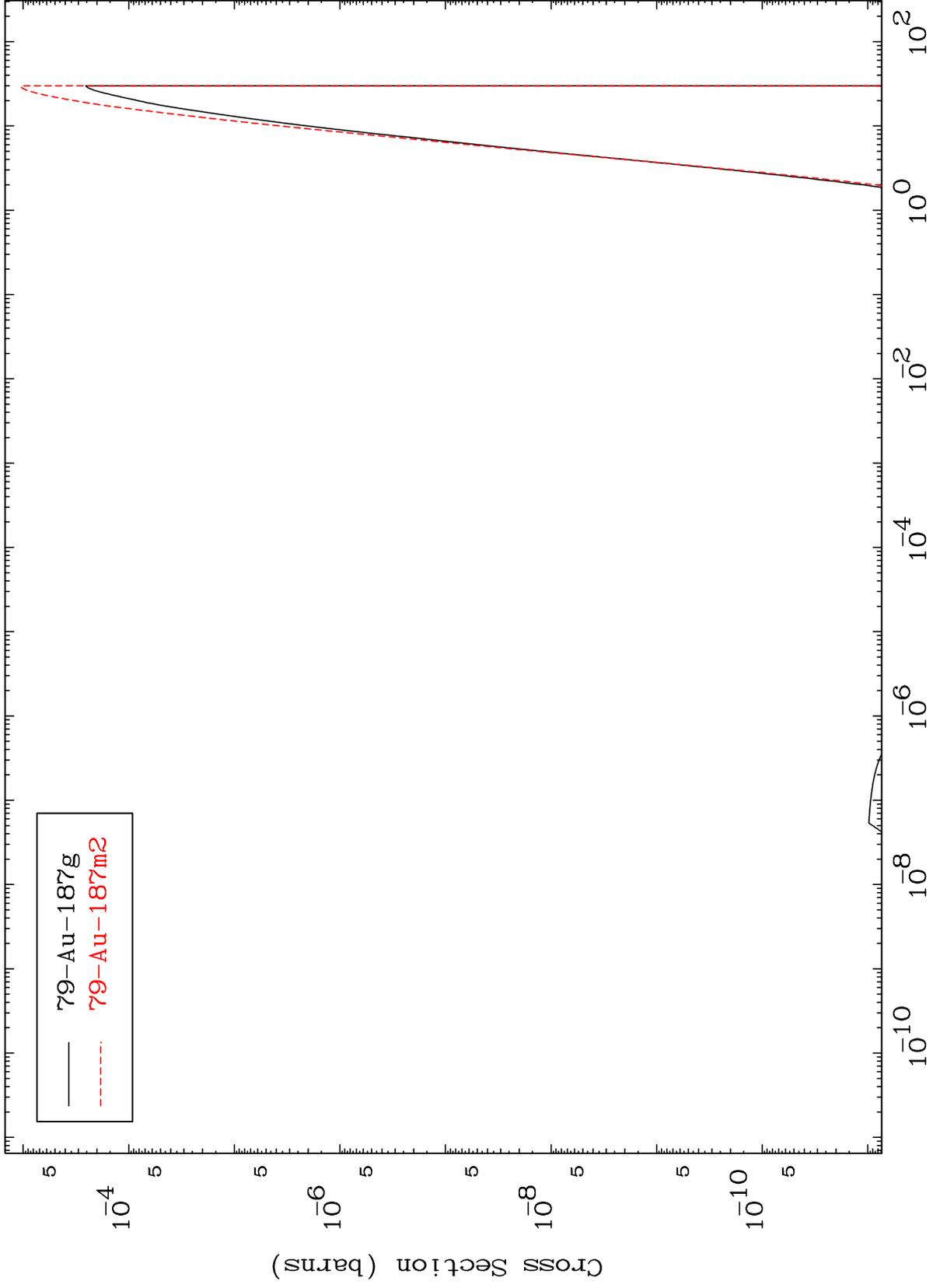
82-Pb-191

MAT 8186

(n,p)  $\alpha$

82-Pb-191

Radionuclide Production Cross Section



80

Incident Energy (MeV)

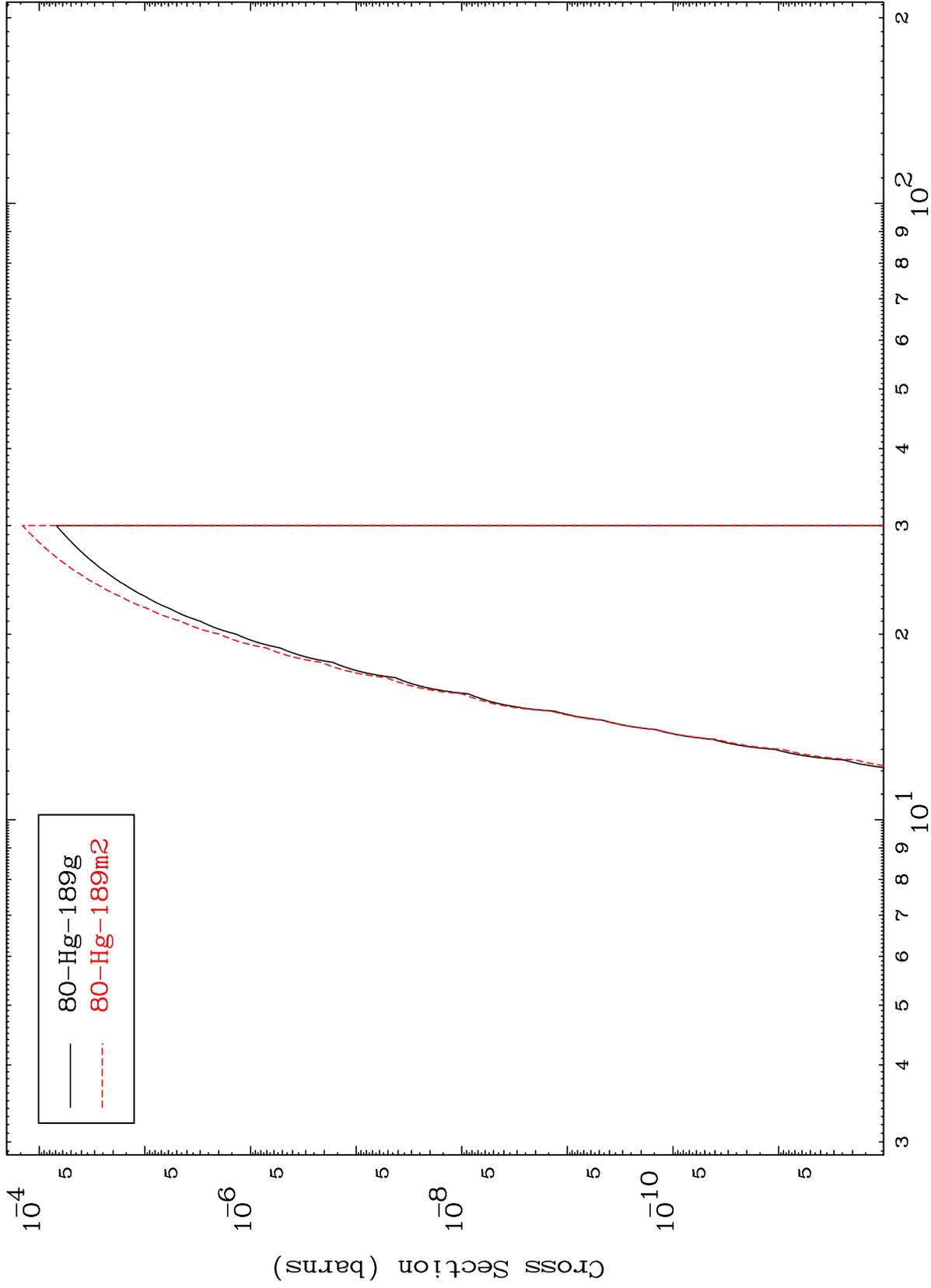
82-Pb-191

MAT 8186

(n,p) d

82-Pb-191

Radionuclide Production Cross Section



81

Incident Energy (MeV)

82-Pb-191