

Program EVALPLOT
(Version 2021-1)

by

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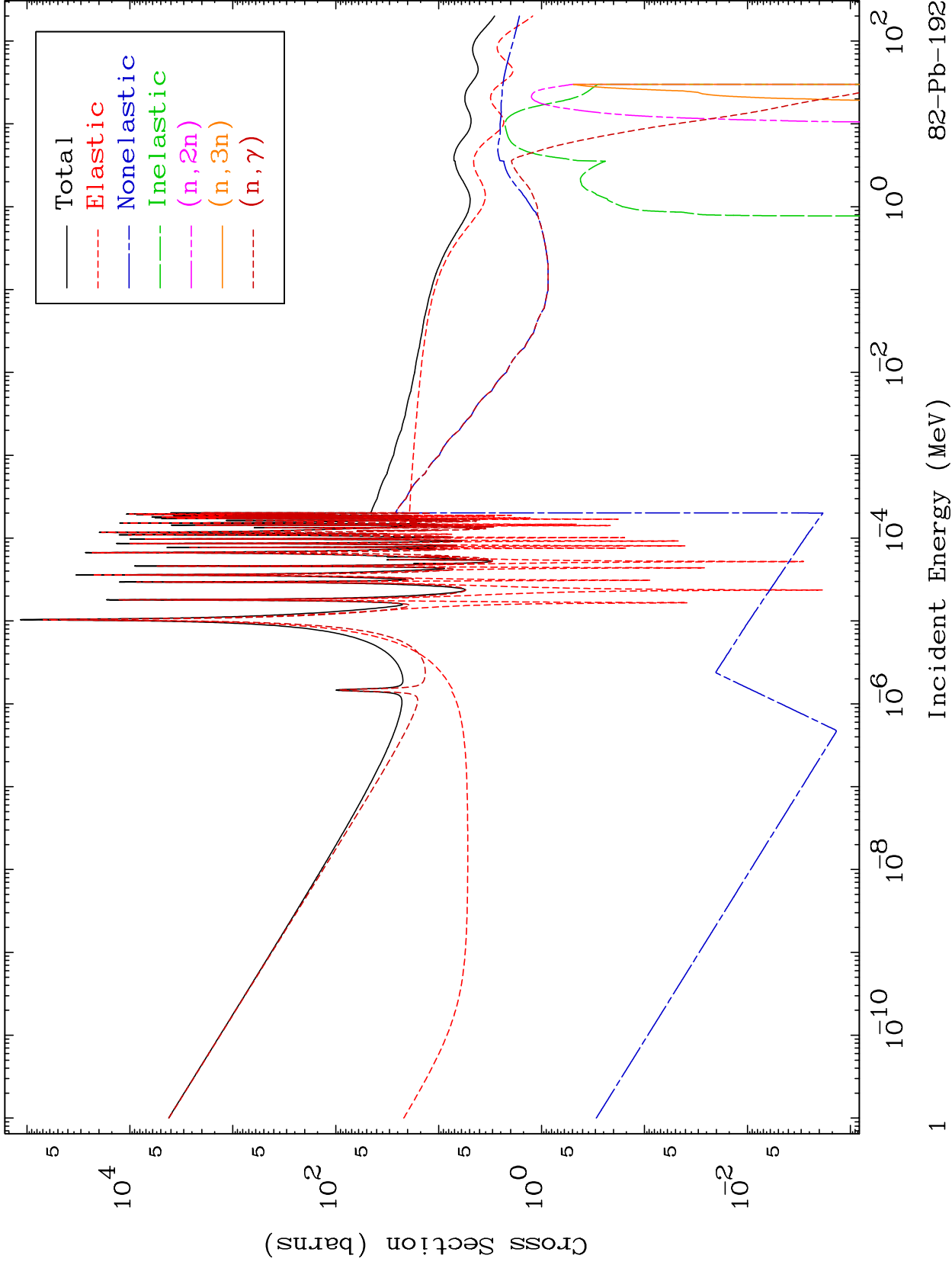
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8189

Neutron Major
293 Kelvin Cross Sections

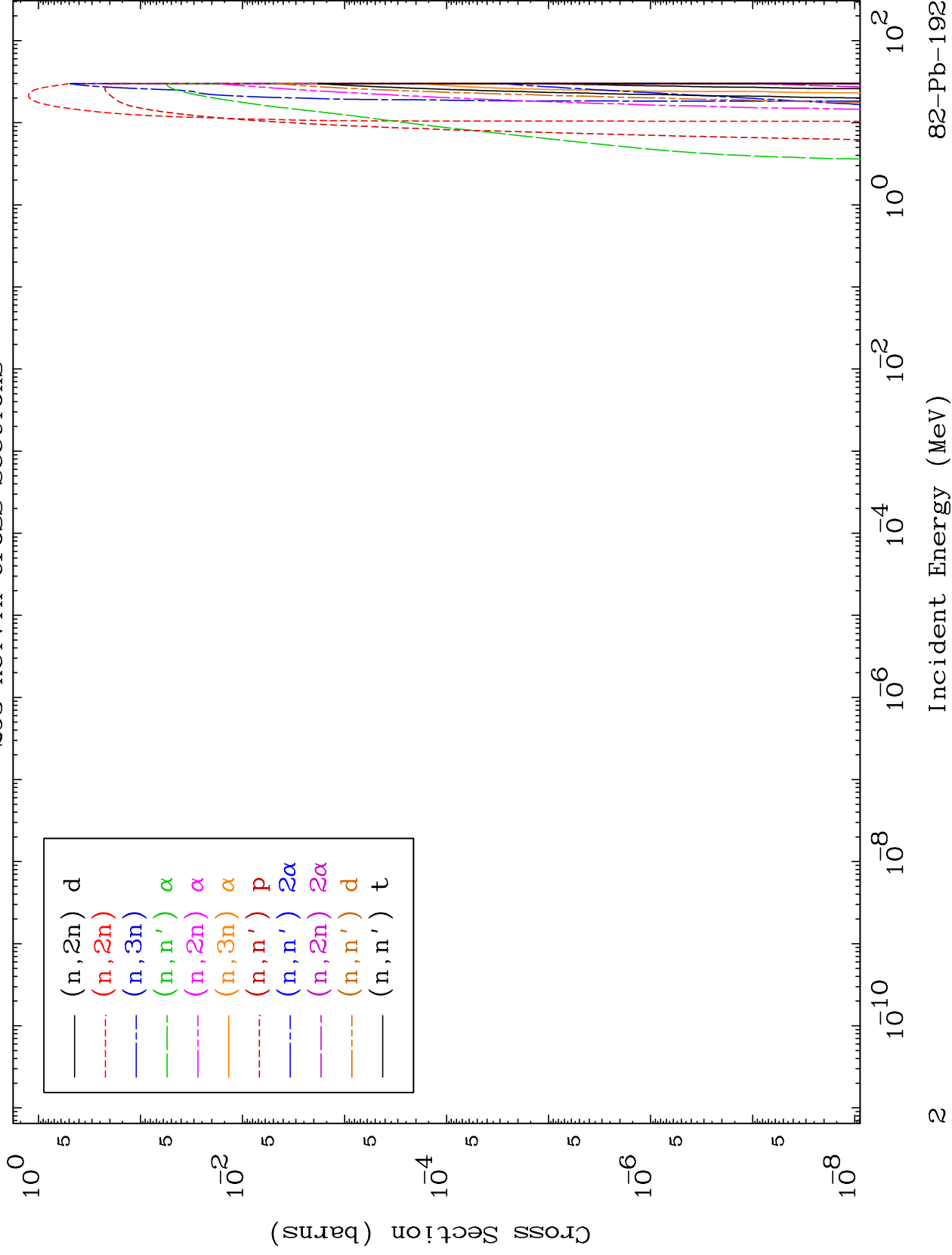
82-Pb-192

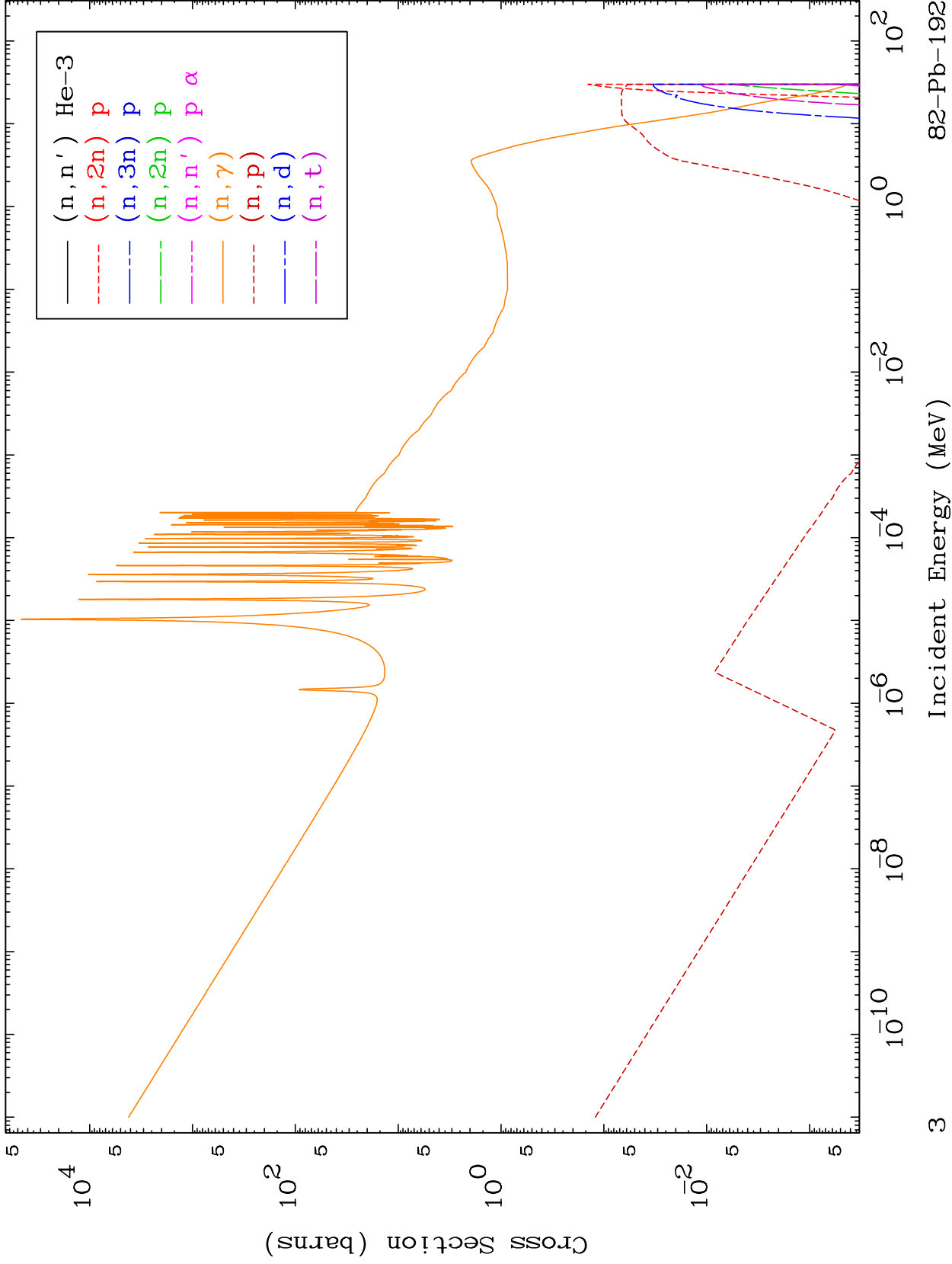


MAT 8189

Neutron Absorption
293 Kelvin Cross Sections

82-Pb-192

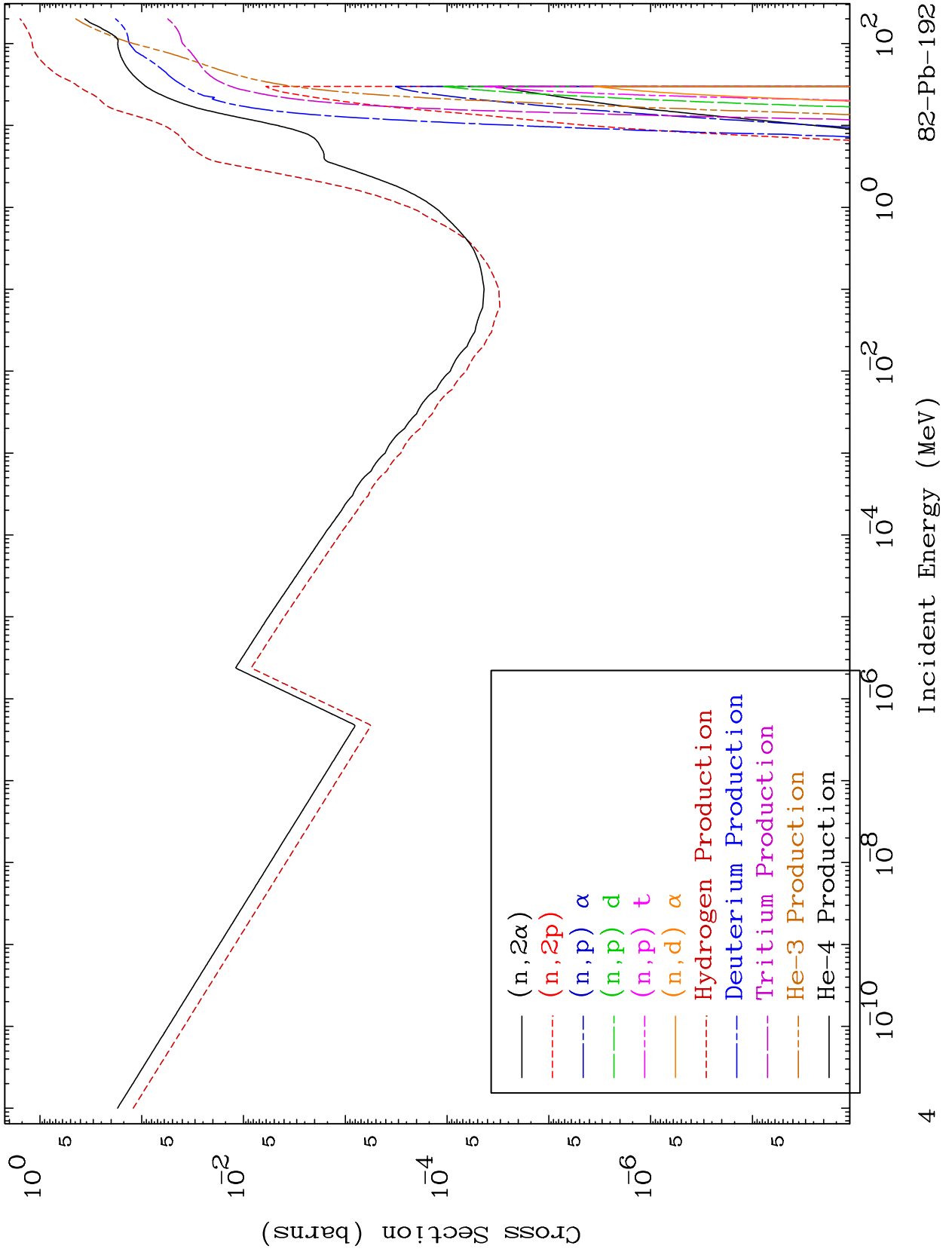




MAT 8189

Neutron Absorption
293 Kelvin Cross Sections

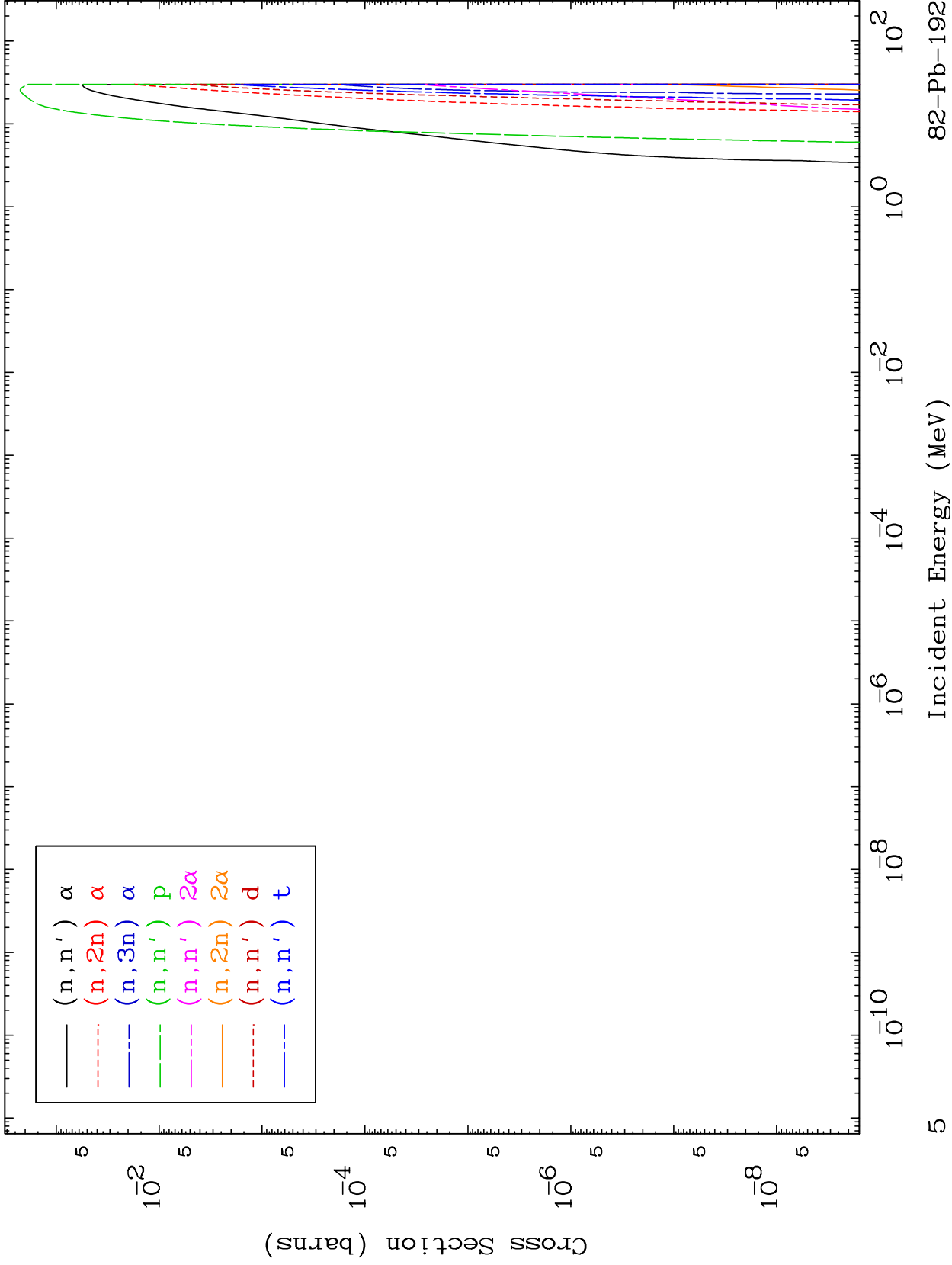
82-Pb-192



MAT 8189

Charged Particle
293 Kelvin Cross Sections

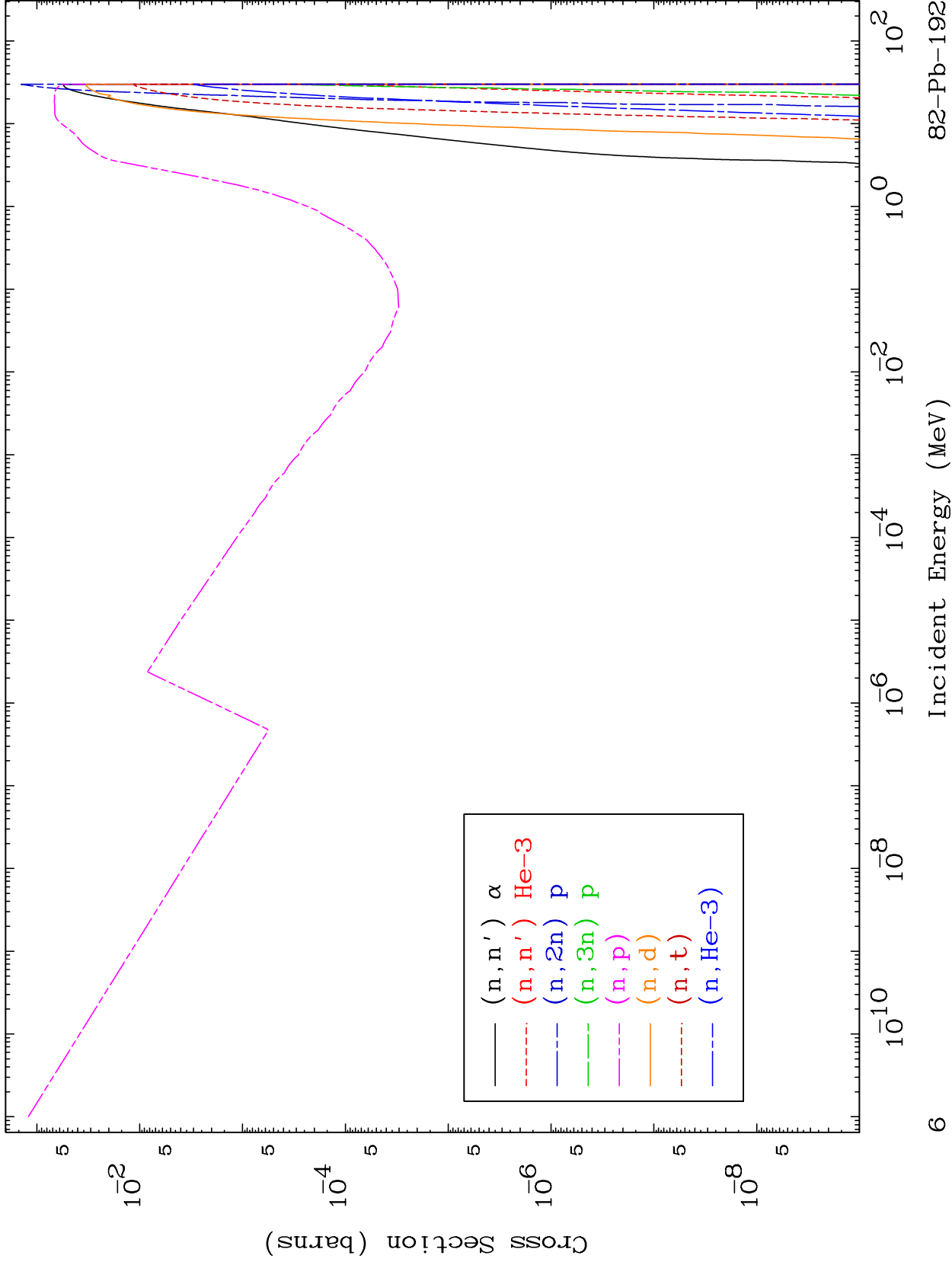
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MAT 8189

Charged Particle
293 Kelvin Cross Sections

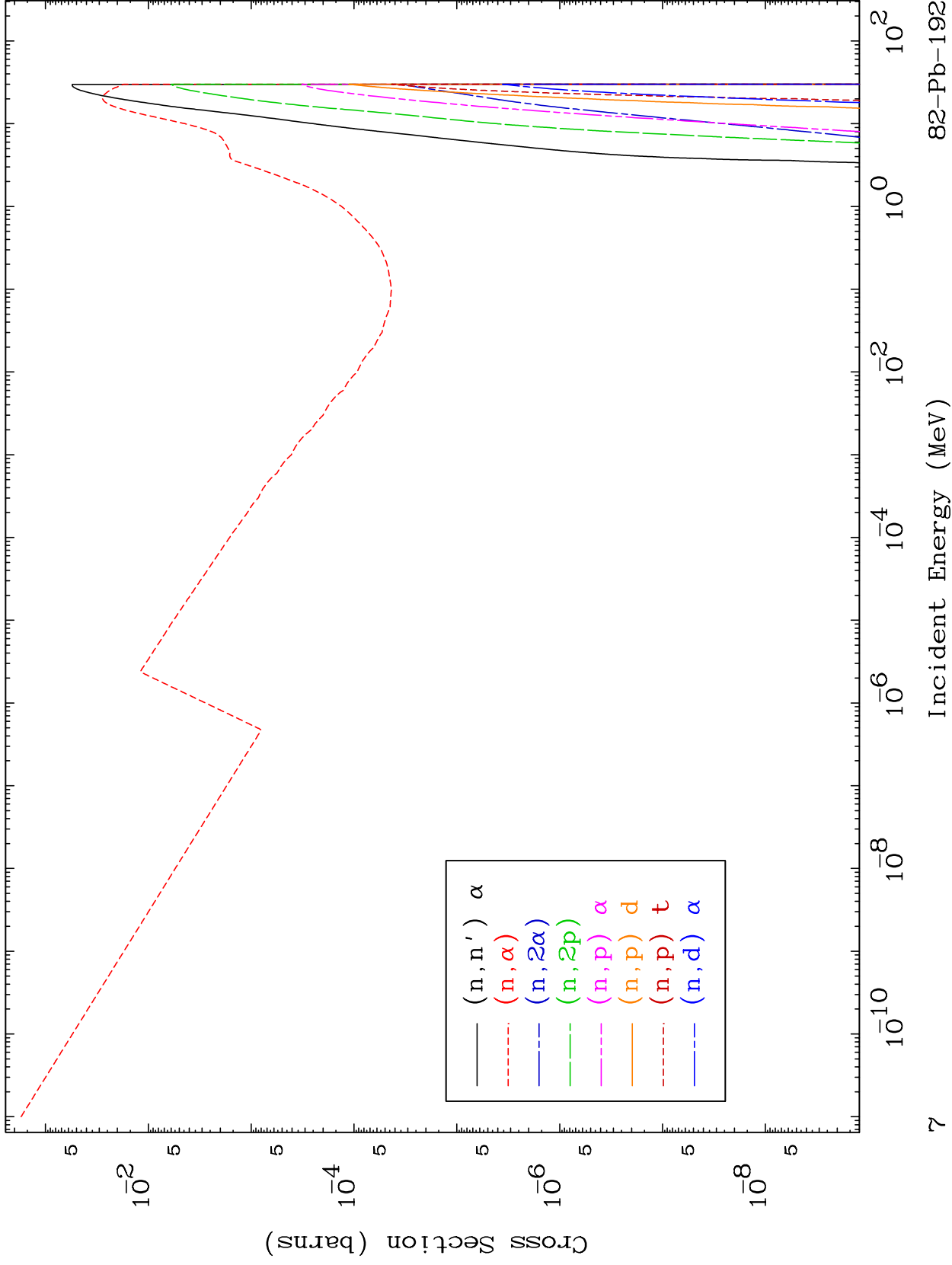
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MAT 8189

Charged Particle
293 Kelvin Cross Sections

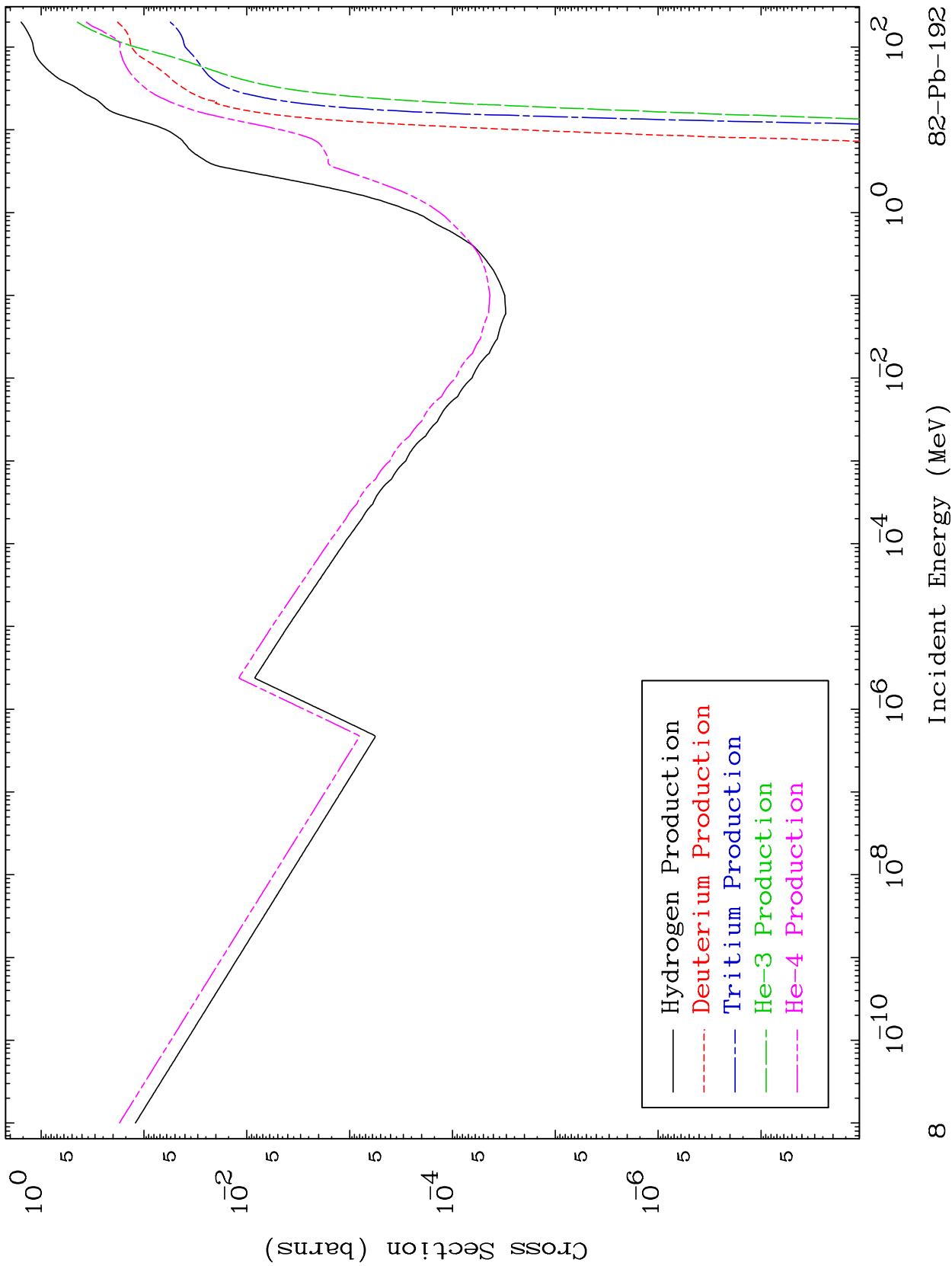
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MAT 8189

Particle Production
293 Kelvin Cross Sections

82-Pb-192

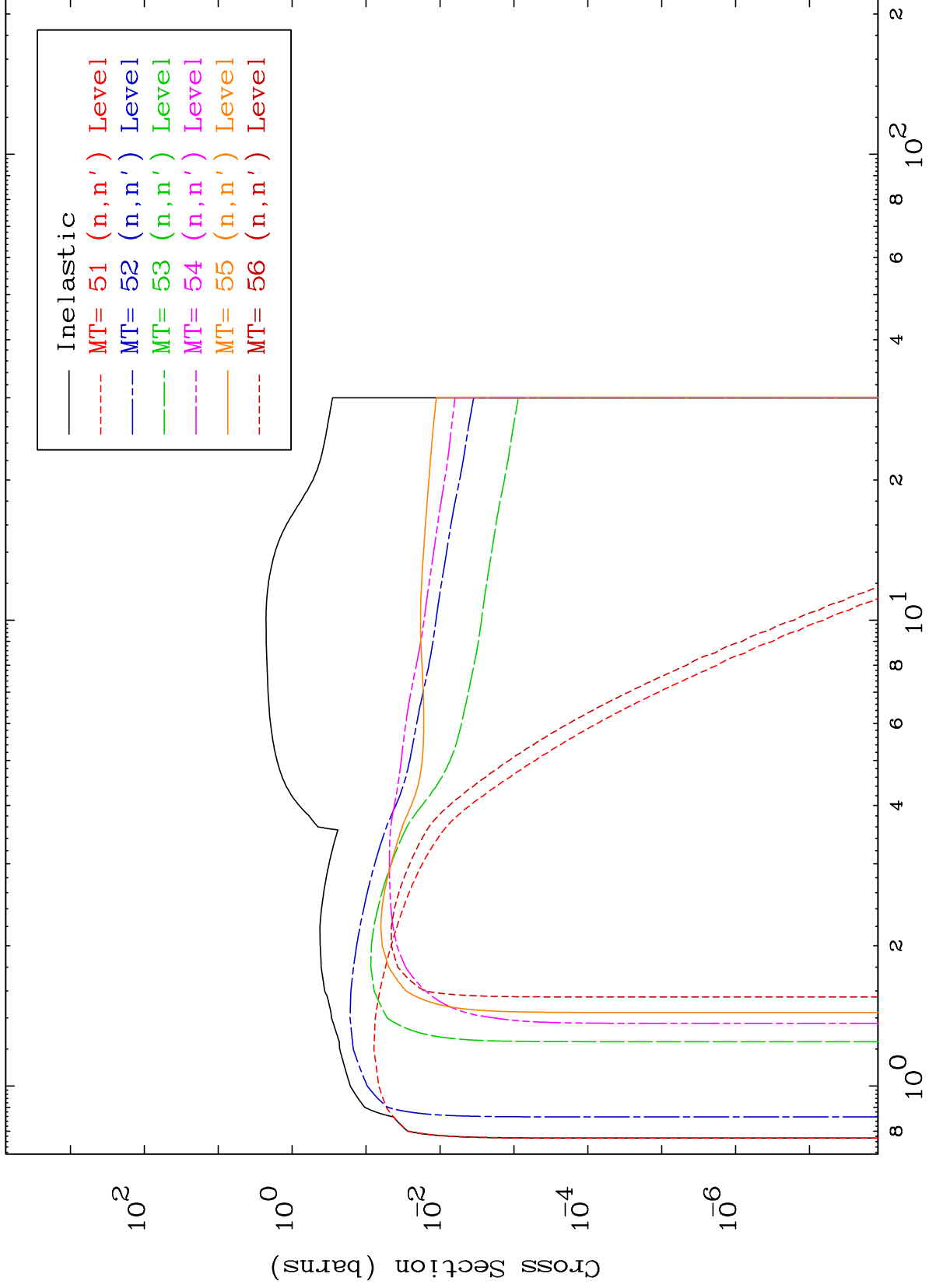


MAT 8189

(n,n') Levels

82-Pb-192

293 Kelvin Cross Sections



9

Incident Energy (MeV)

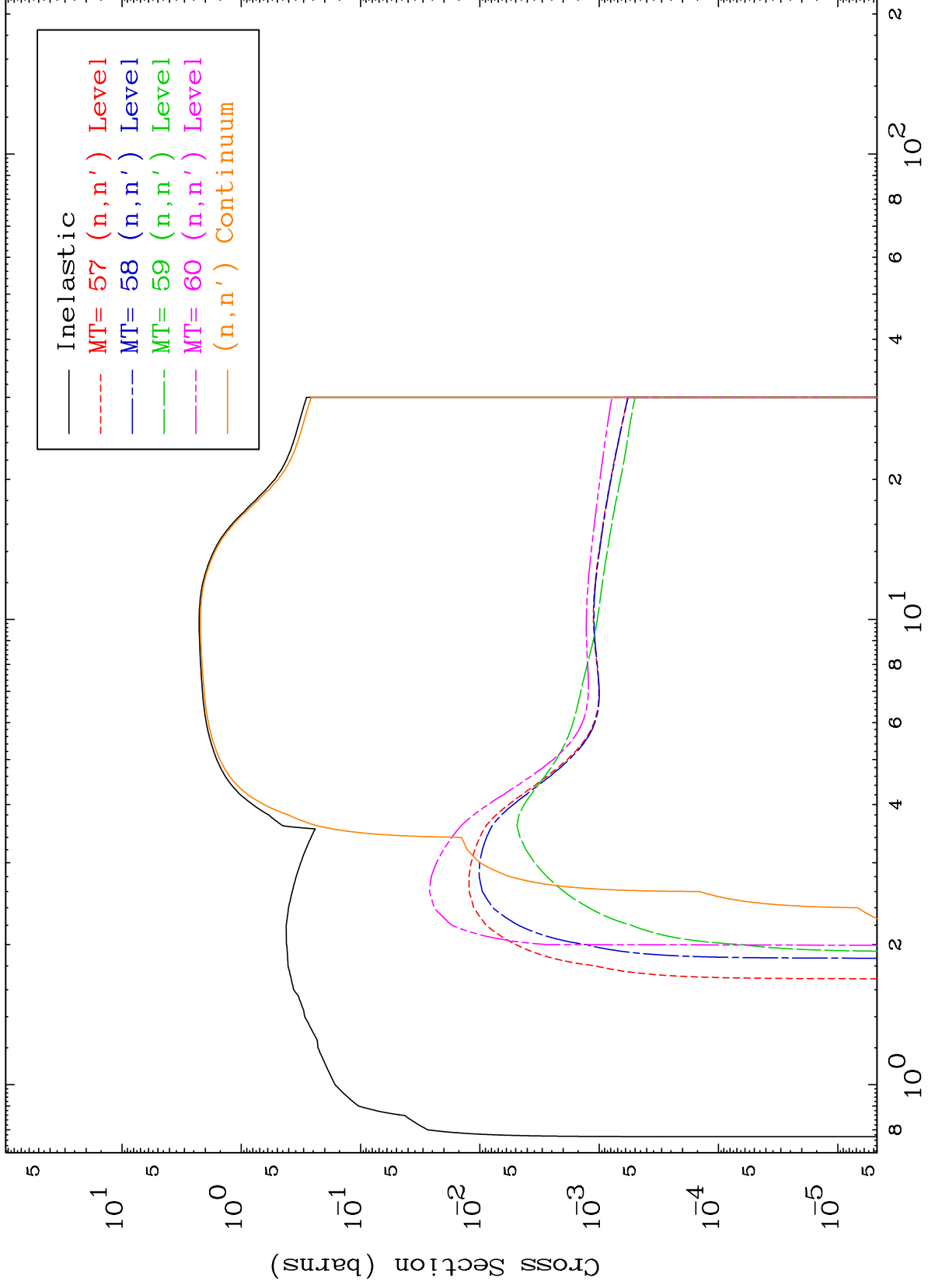
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MAT 8189

(n,n') Levels

82-Pb-192

293 Kelvin Cross Sections



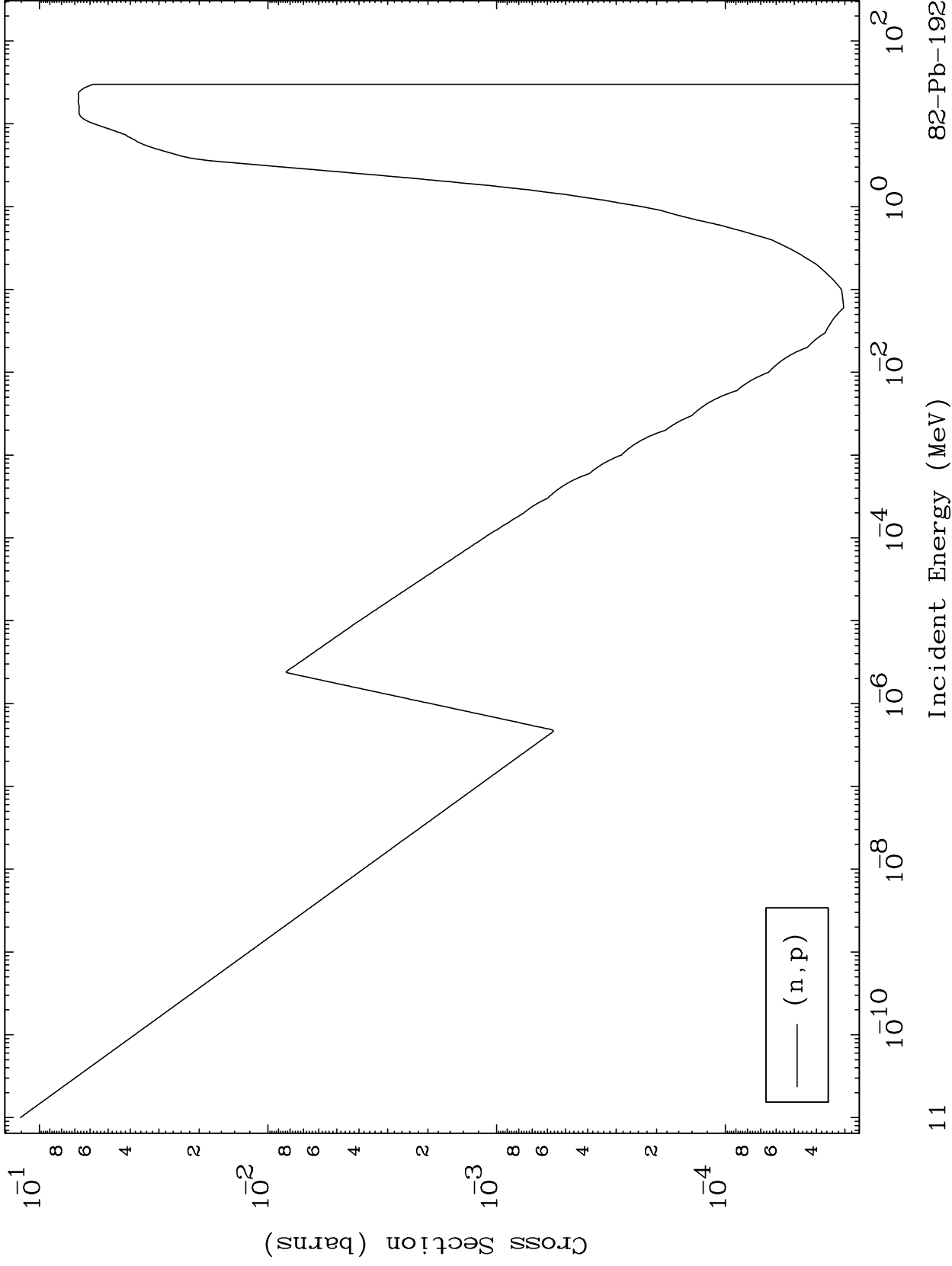
Incident Energy (MeV)

82-Pb-192

MAT 8189

(n,p) Levels
293 Kelvin Cross Sections

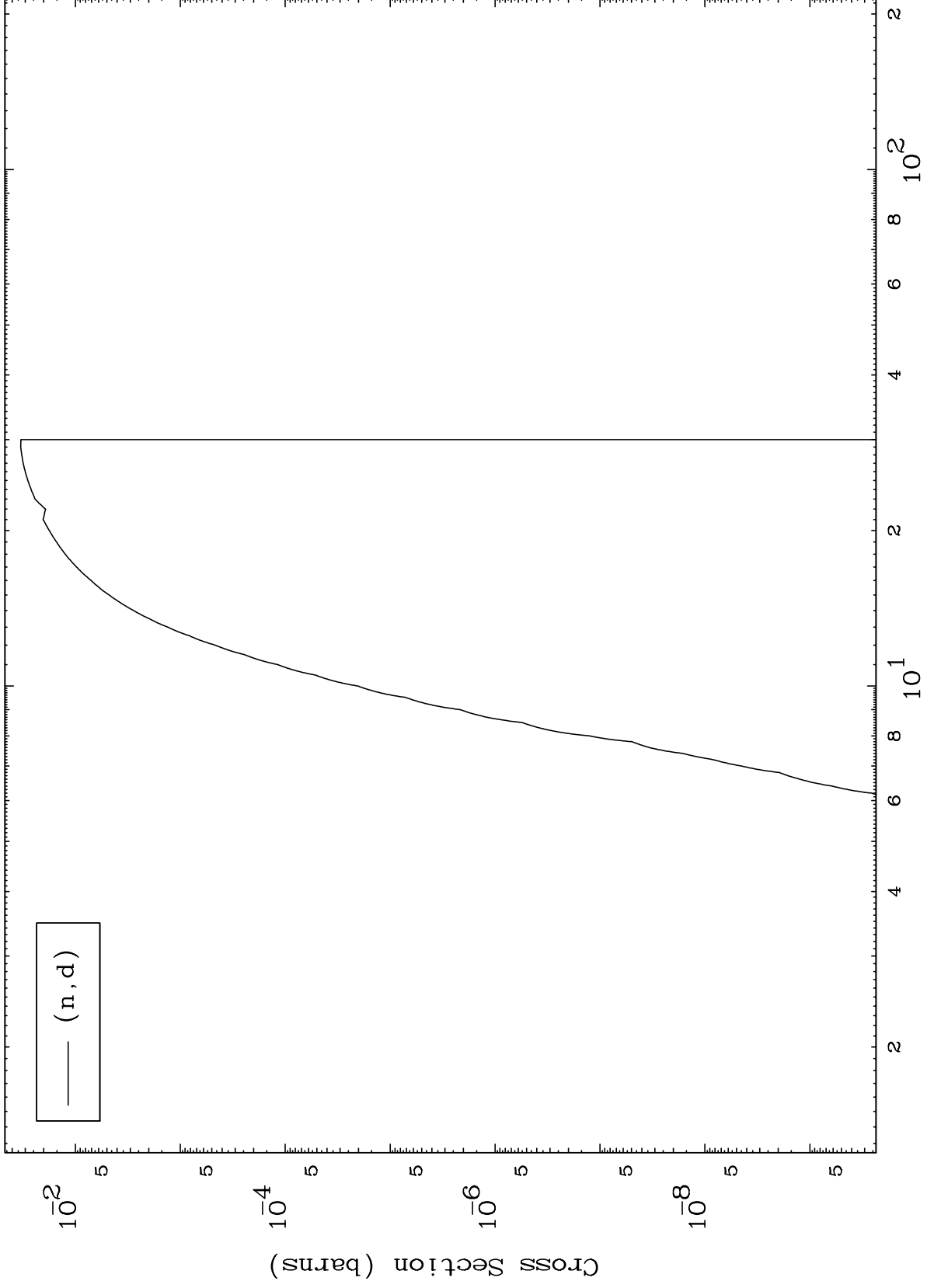
82-Pb-192



MAT 8189

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-192



12

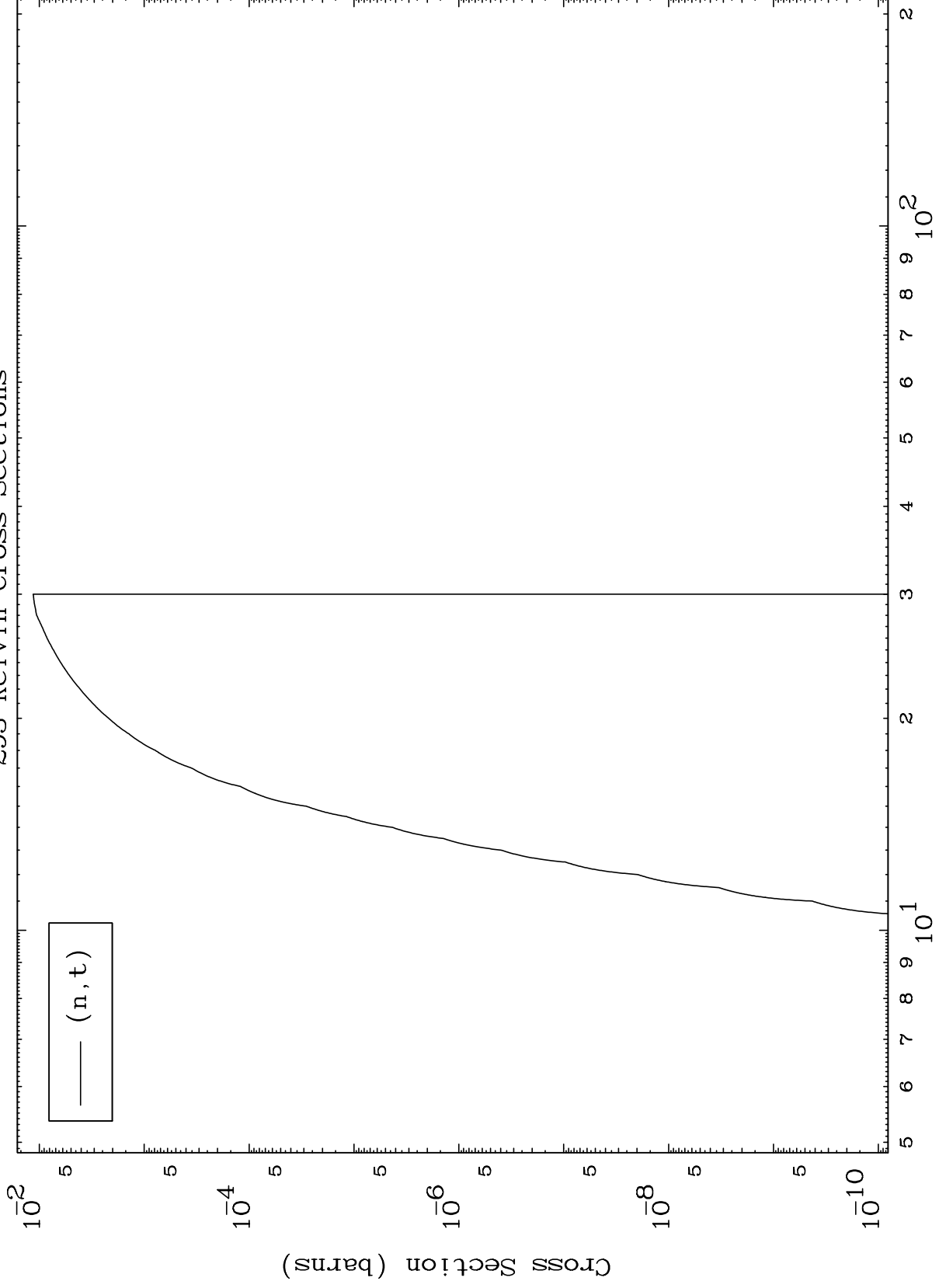
Incident Energy (MeV)

82-Pb-192

MAT 8189

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-192



13

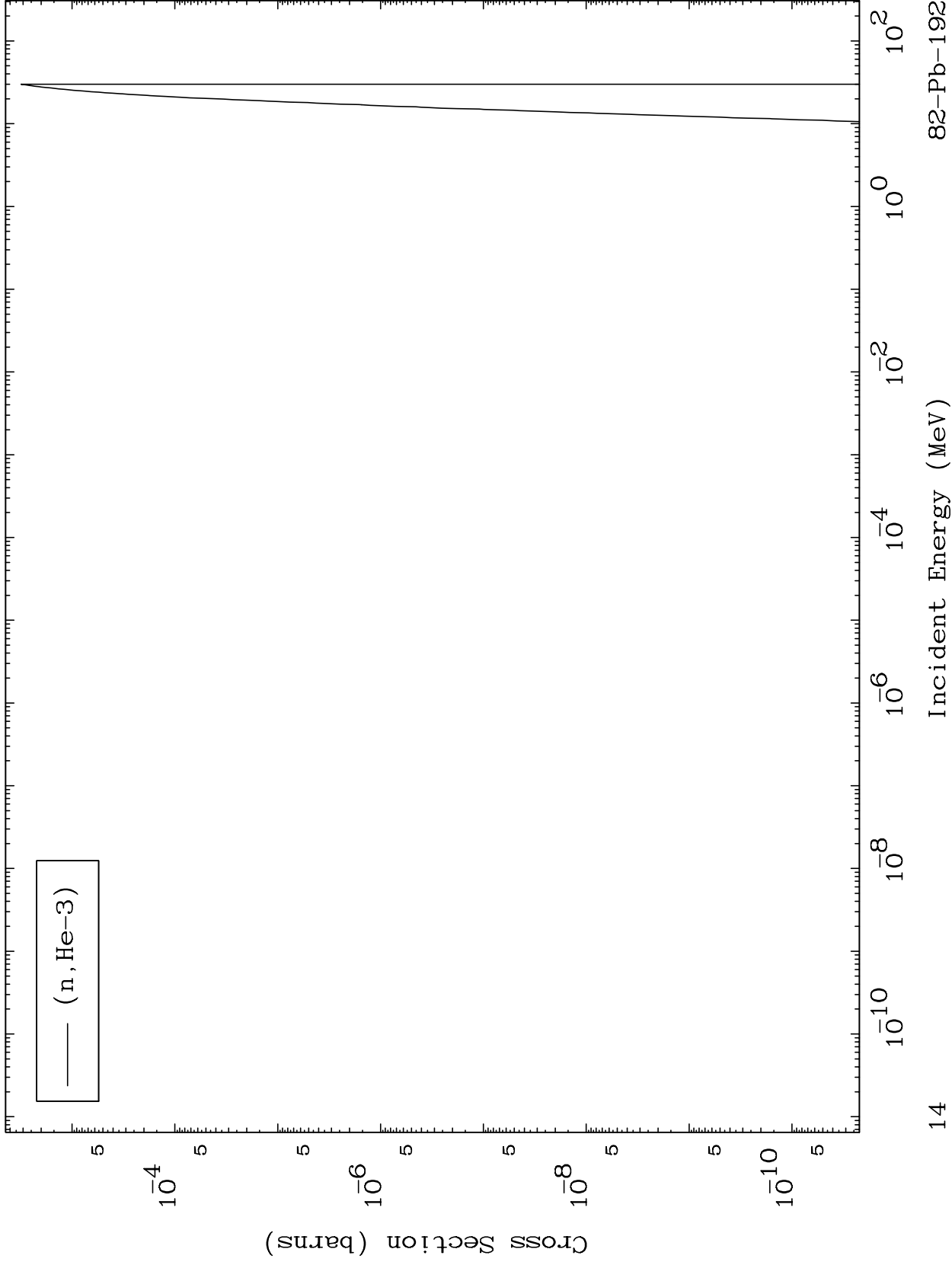
Incident Energy (MeV)

82-Pb-192

MAT 8189

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-192

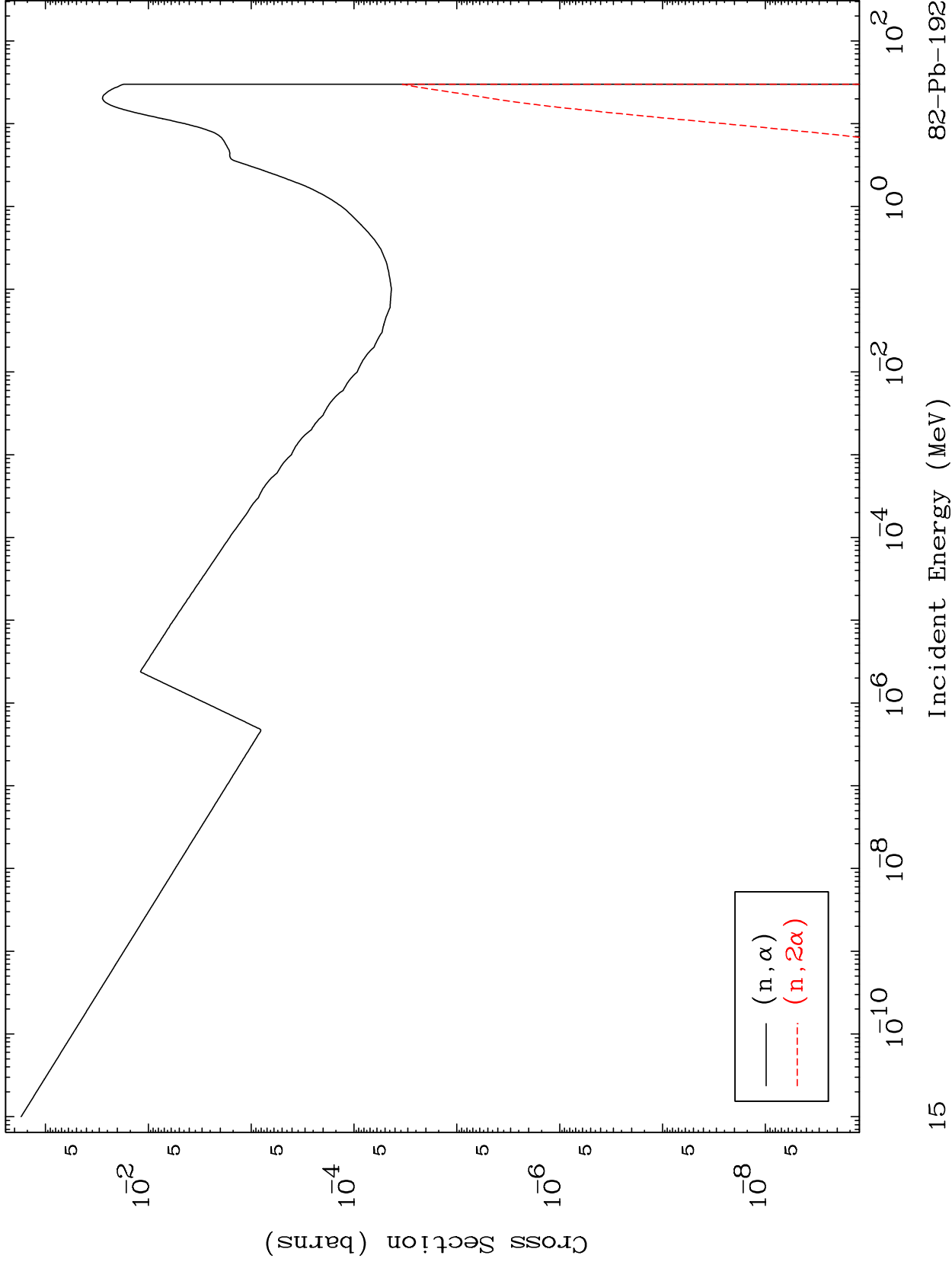


(n, He-3)

MAT 8189

(n, α) Levels
293 Kelvin Cross Sections

82-Pb-192

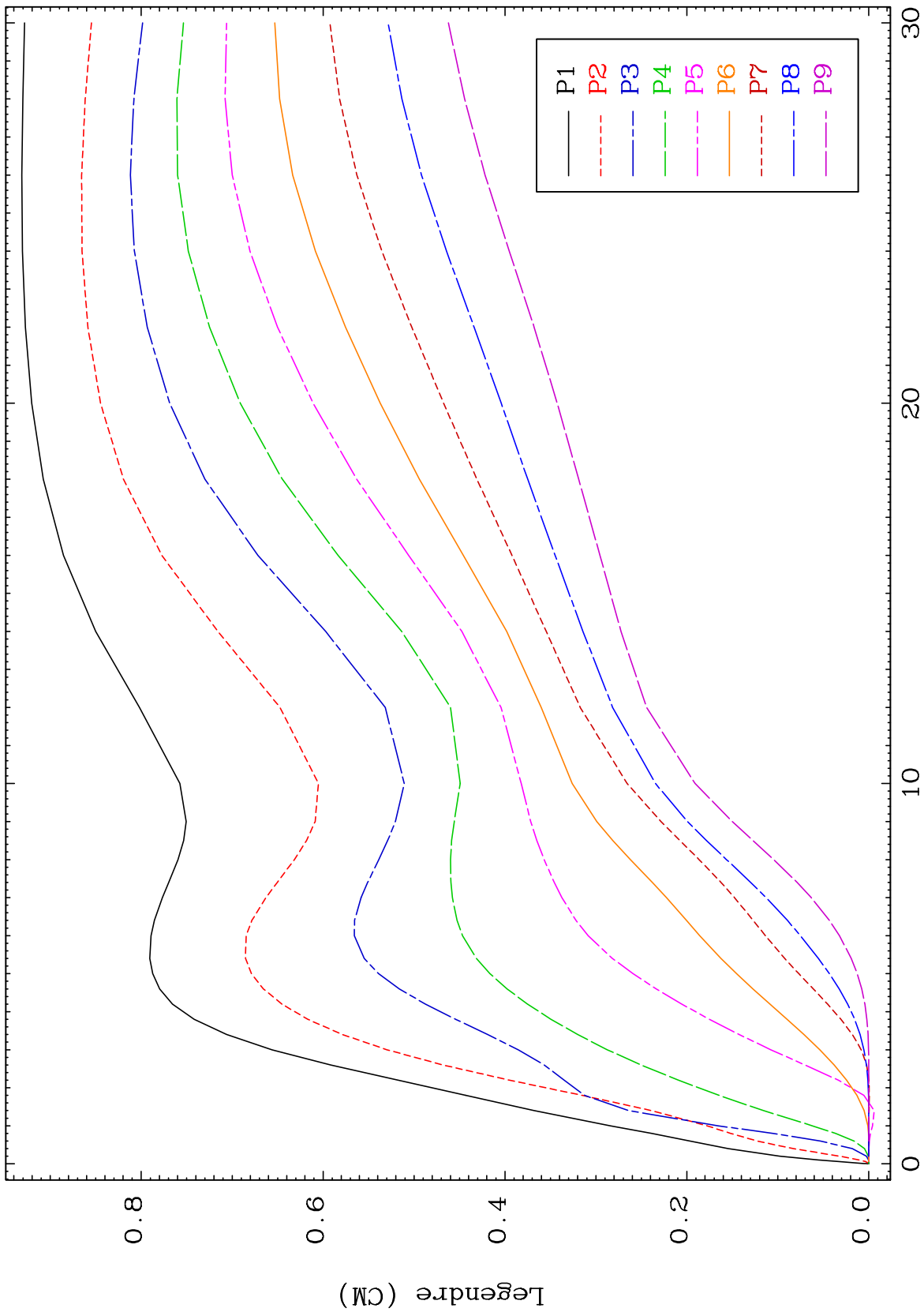


82-Pb-192

MAT 8189

82-Pb-192

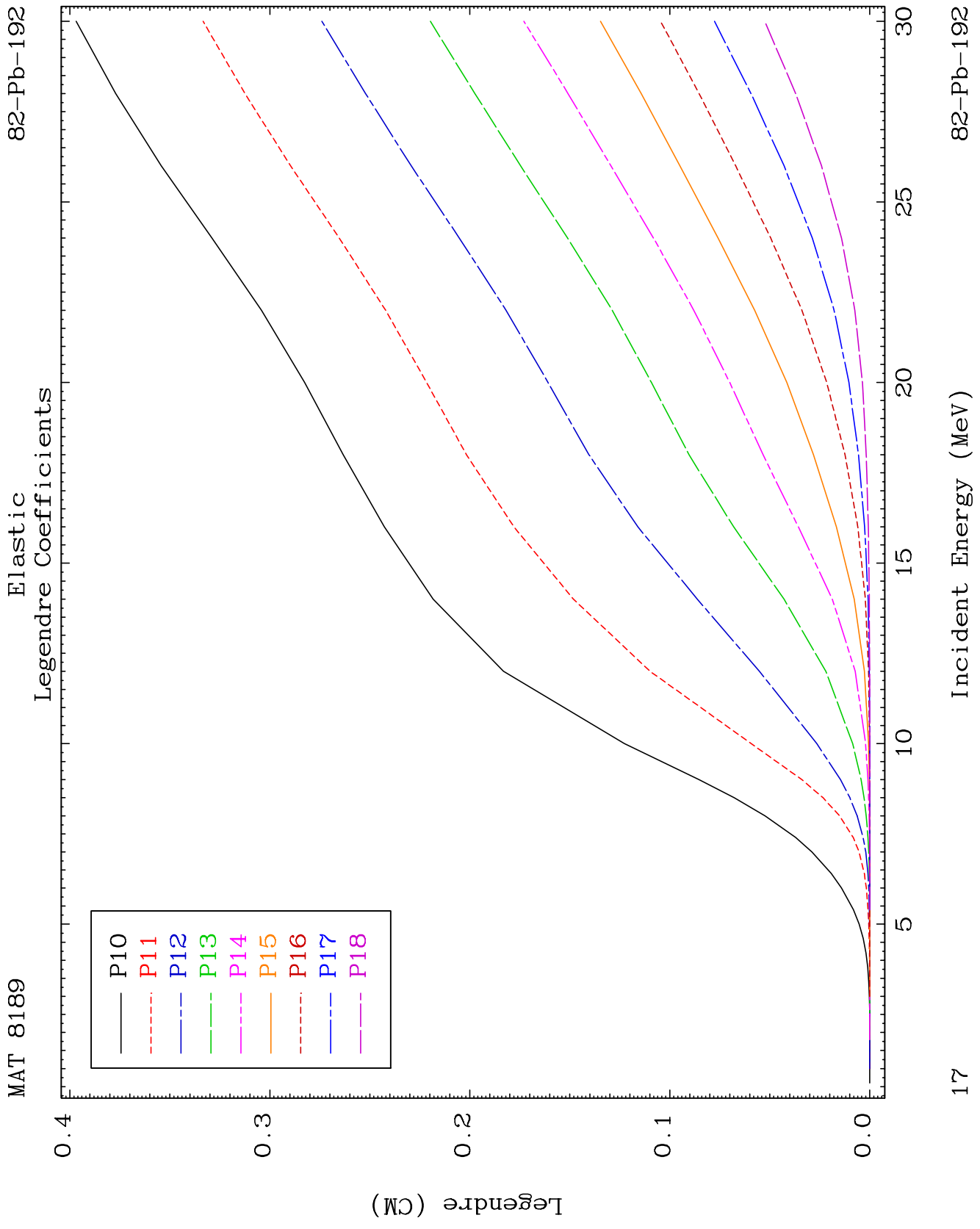
Elastic Legendre Coefficients



16

Incident Energy (MeV)

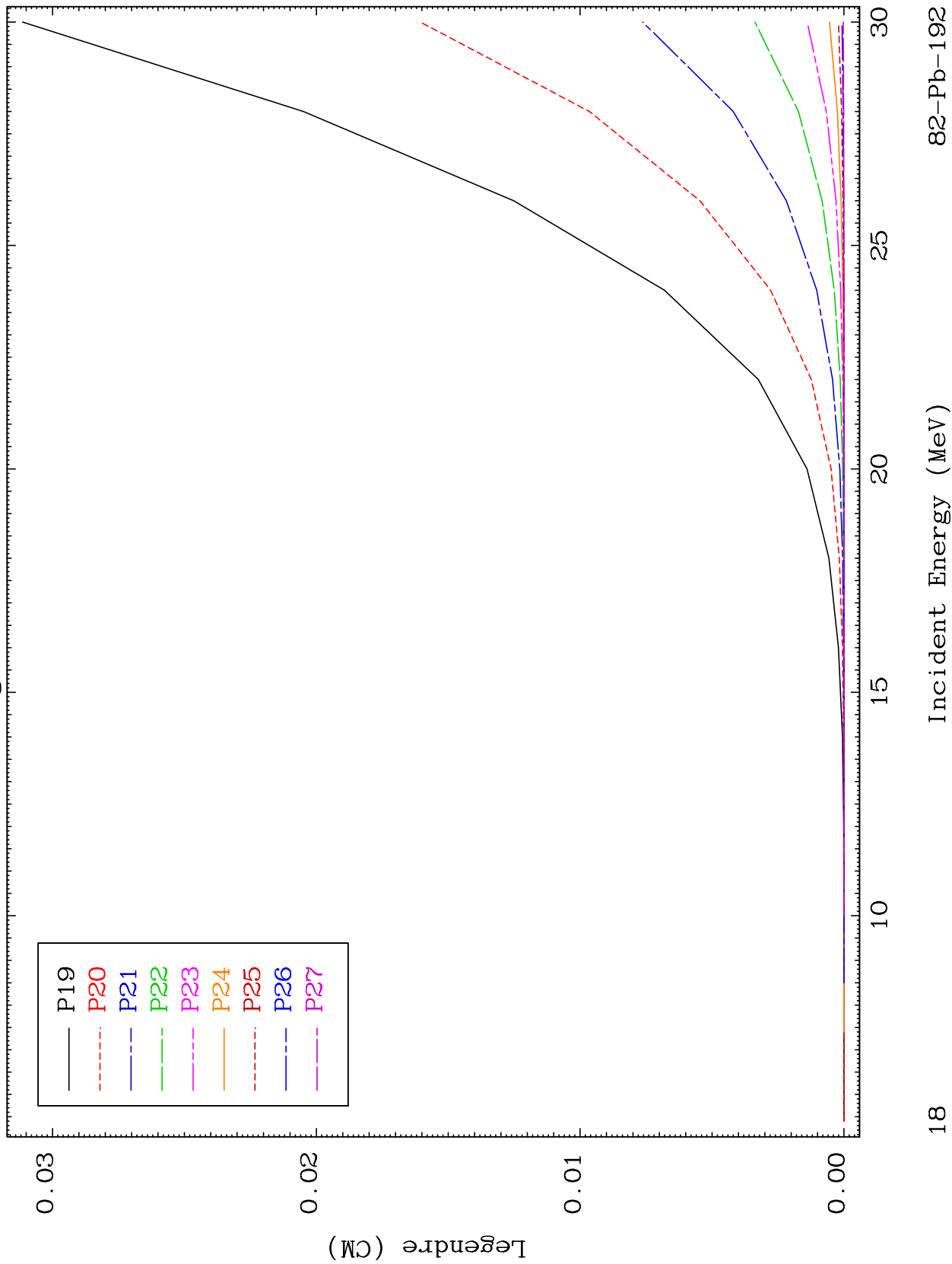
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MAT 8189

Elastic Legendre Coefficients

82-Pb-192



18

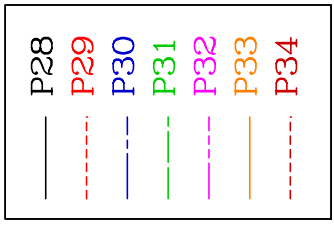
Incident Energy (MeV)

82-Pb-192

MAT 8189

Elastic Legendre Coefficients

82-Pb-192



$\times 10^{-6}$

Legendre (CM)

10

15

20

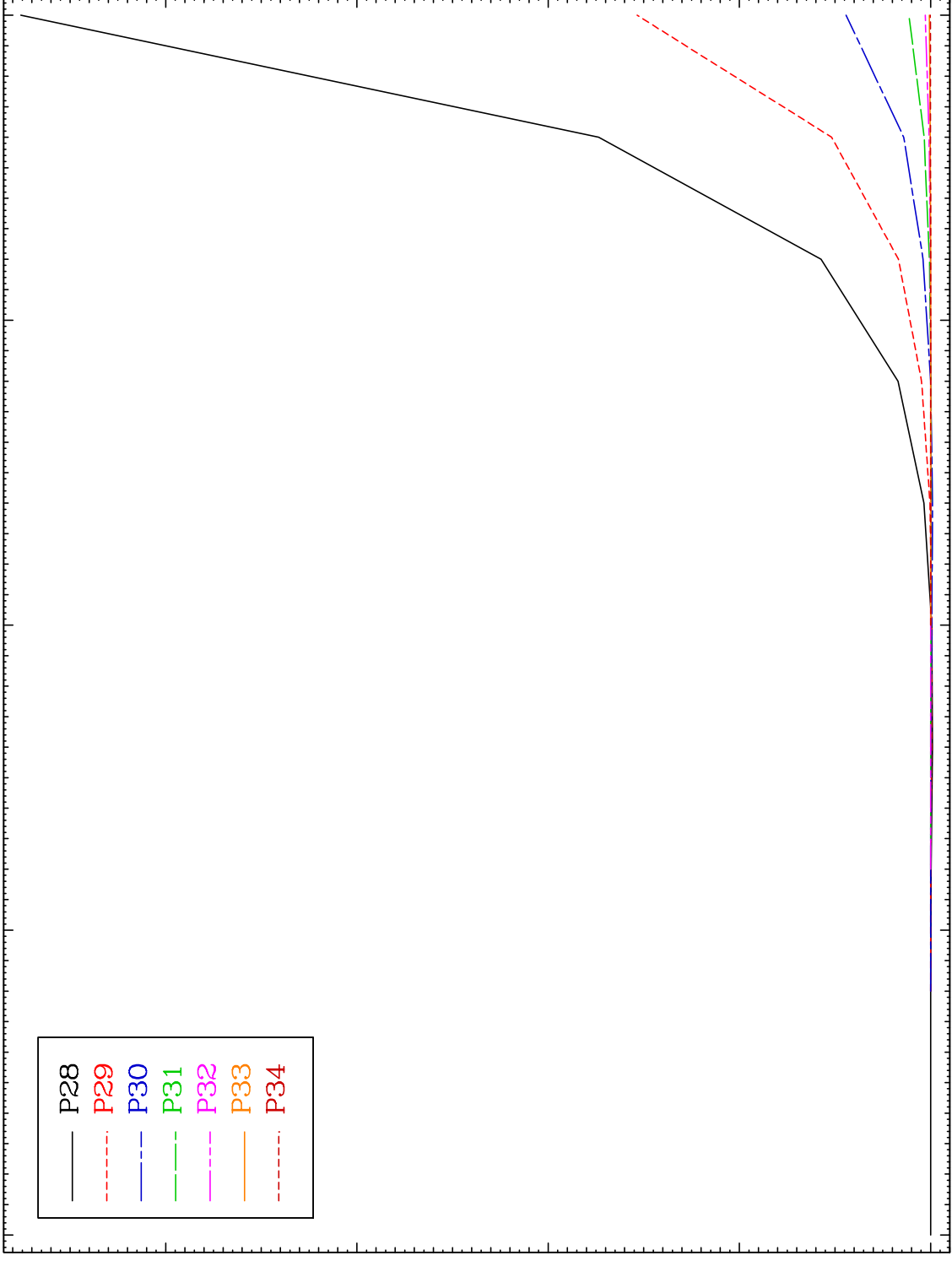
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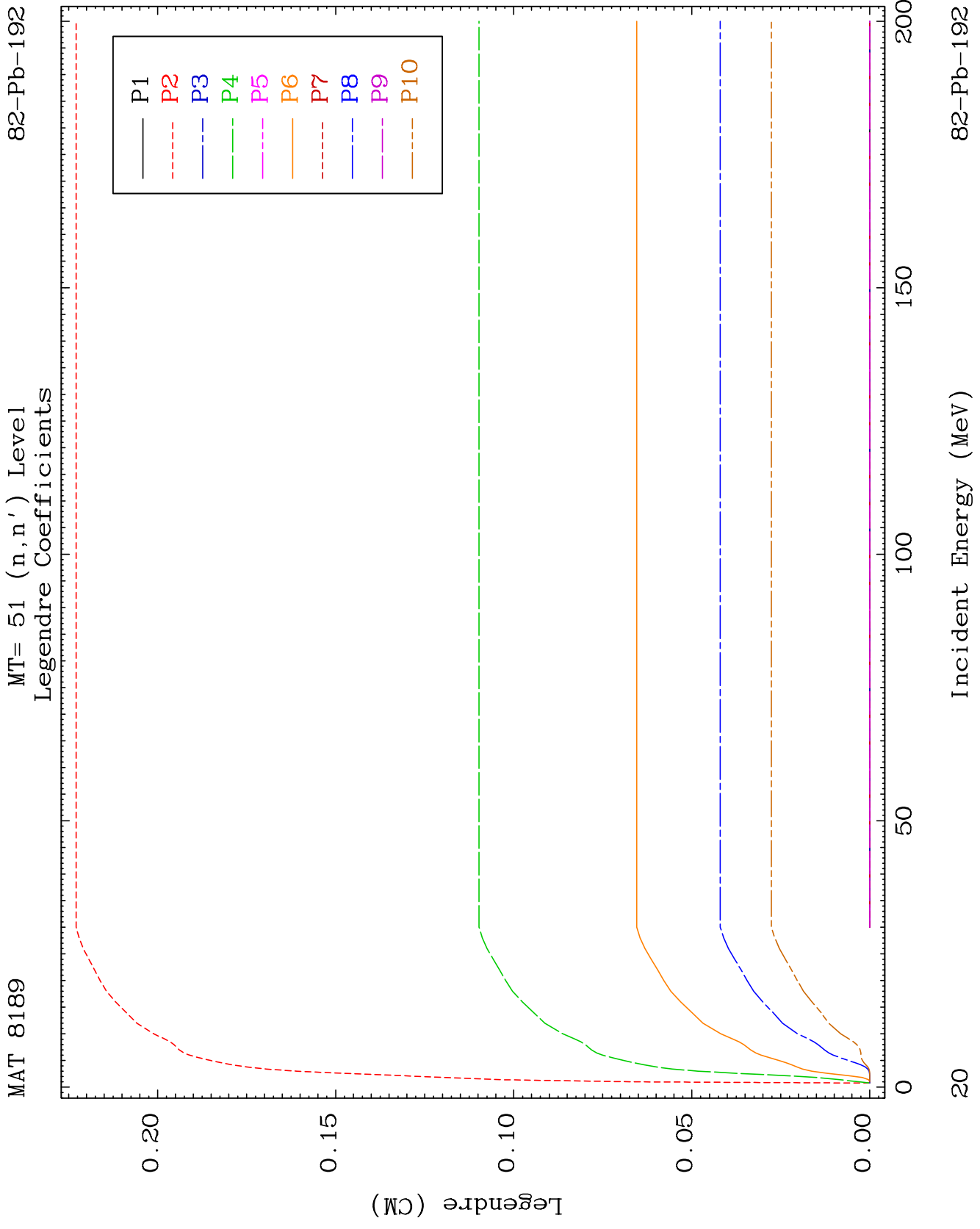
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19

Incident Energy (MeV)

82-Pb-192

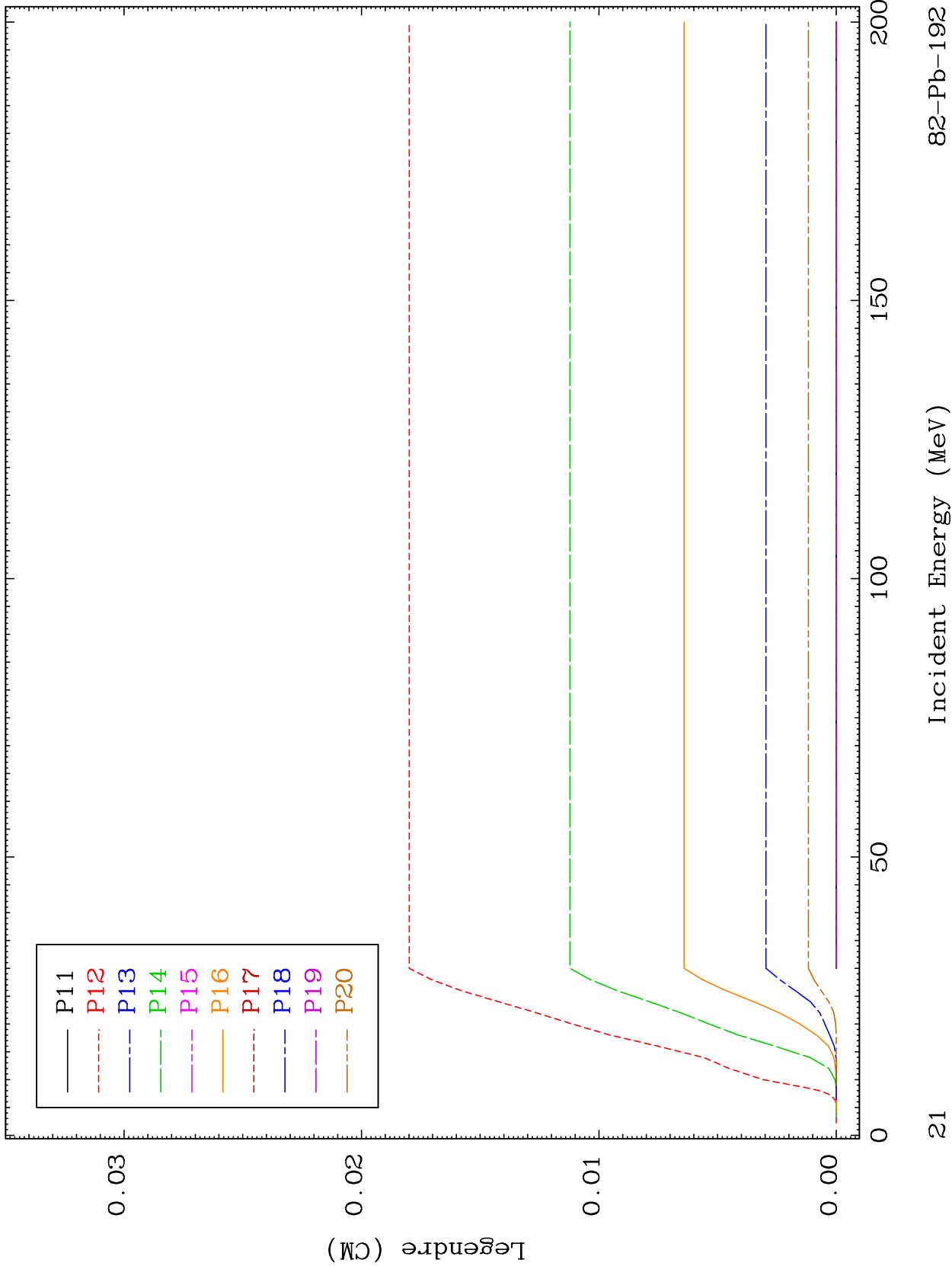




MAT 8189

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

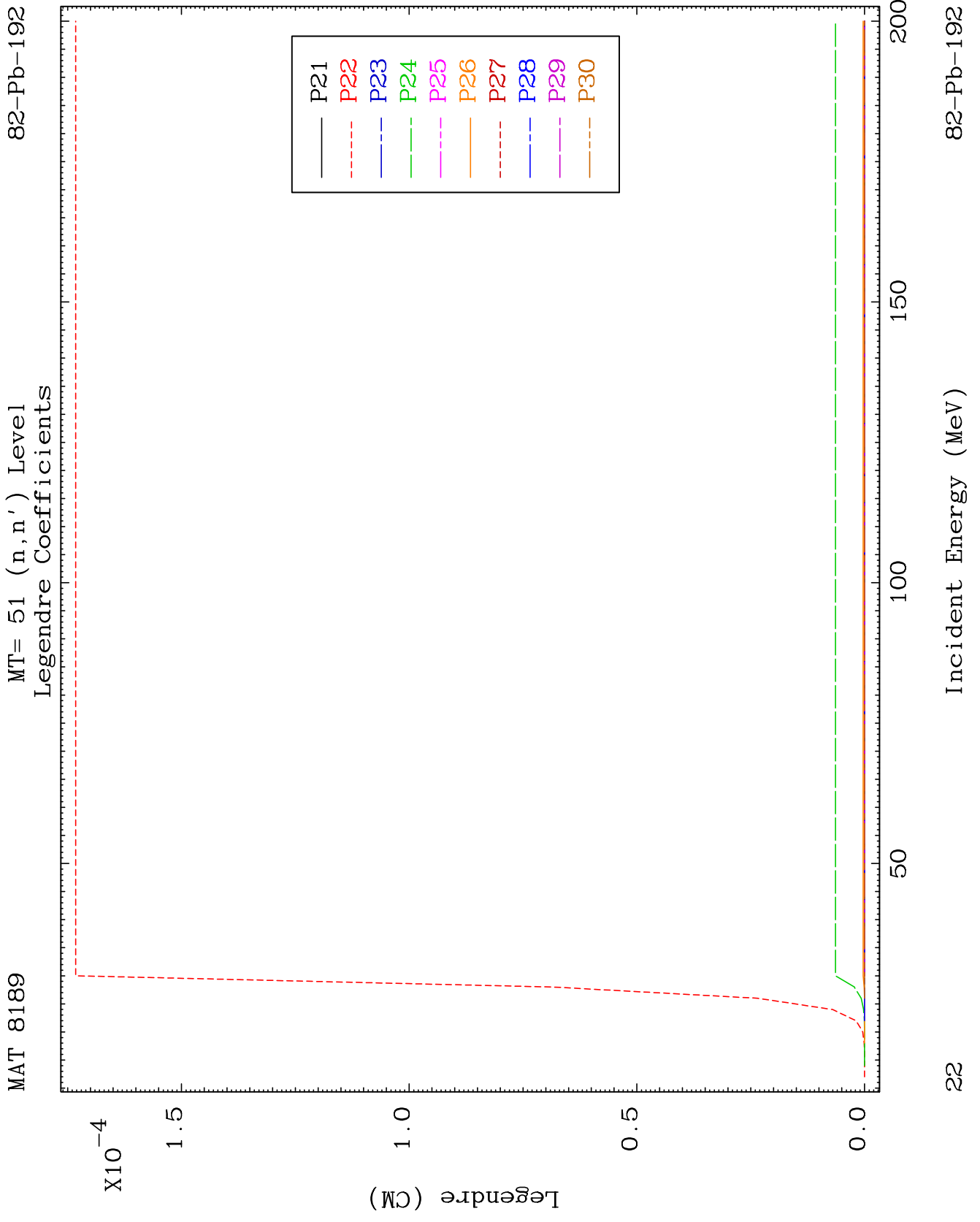
82-Pb-192



21

Incident Energy (MeV)

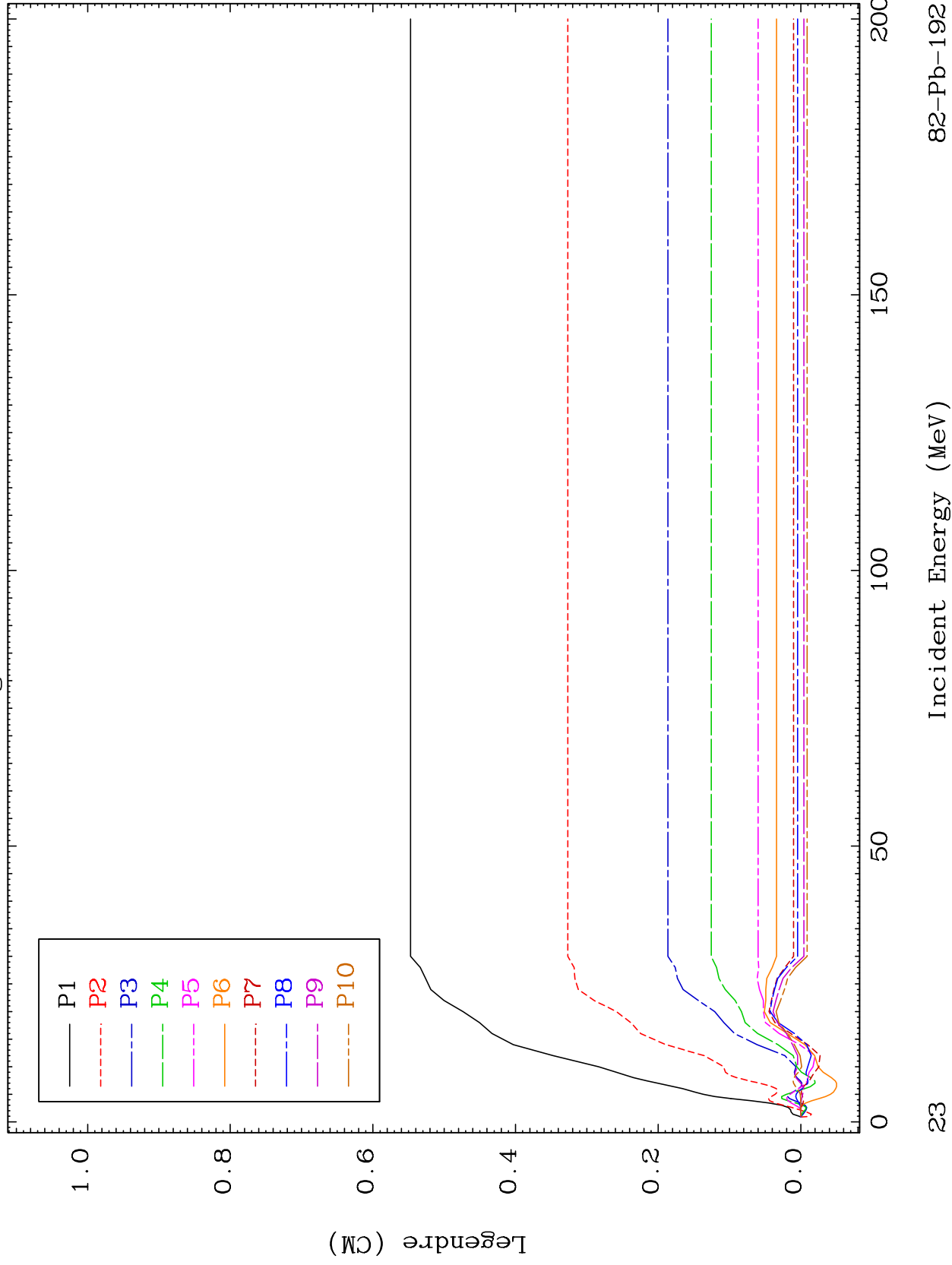
82-Pb-192



MAT 8189

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

82-Pb-192

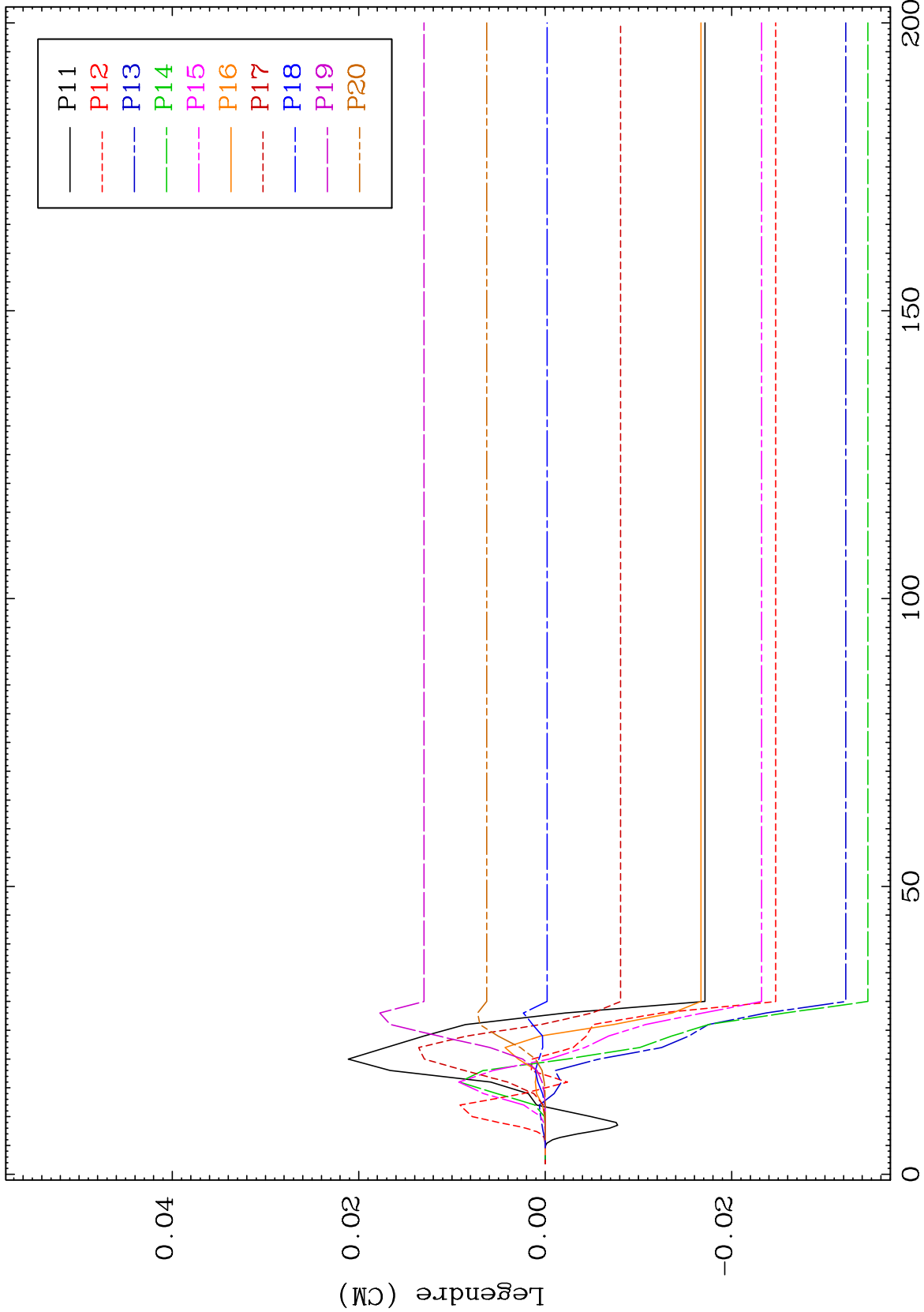


23

MAT 8189

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

82-Pb-192



24

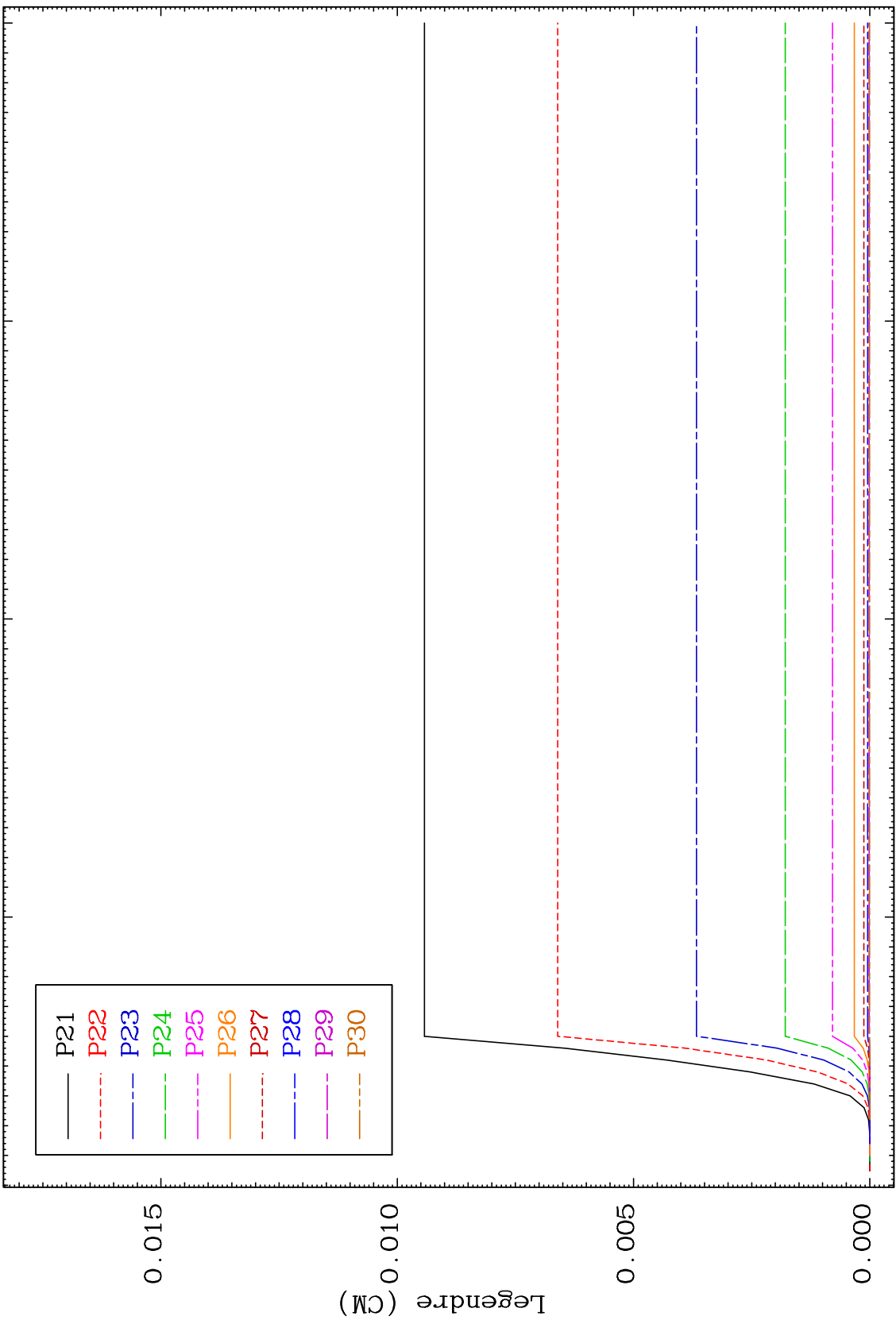
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



25

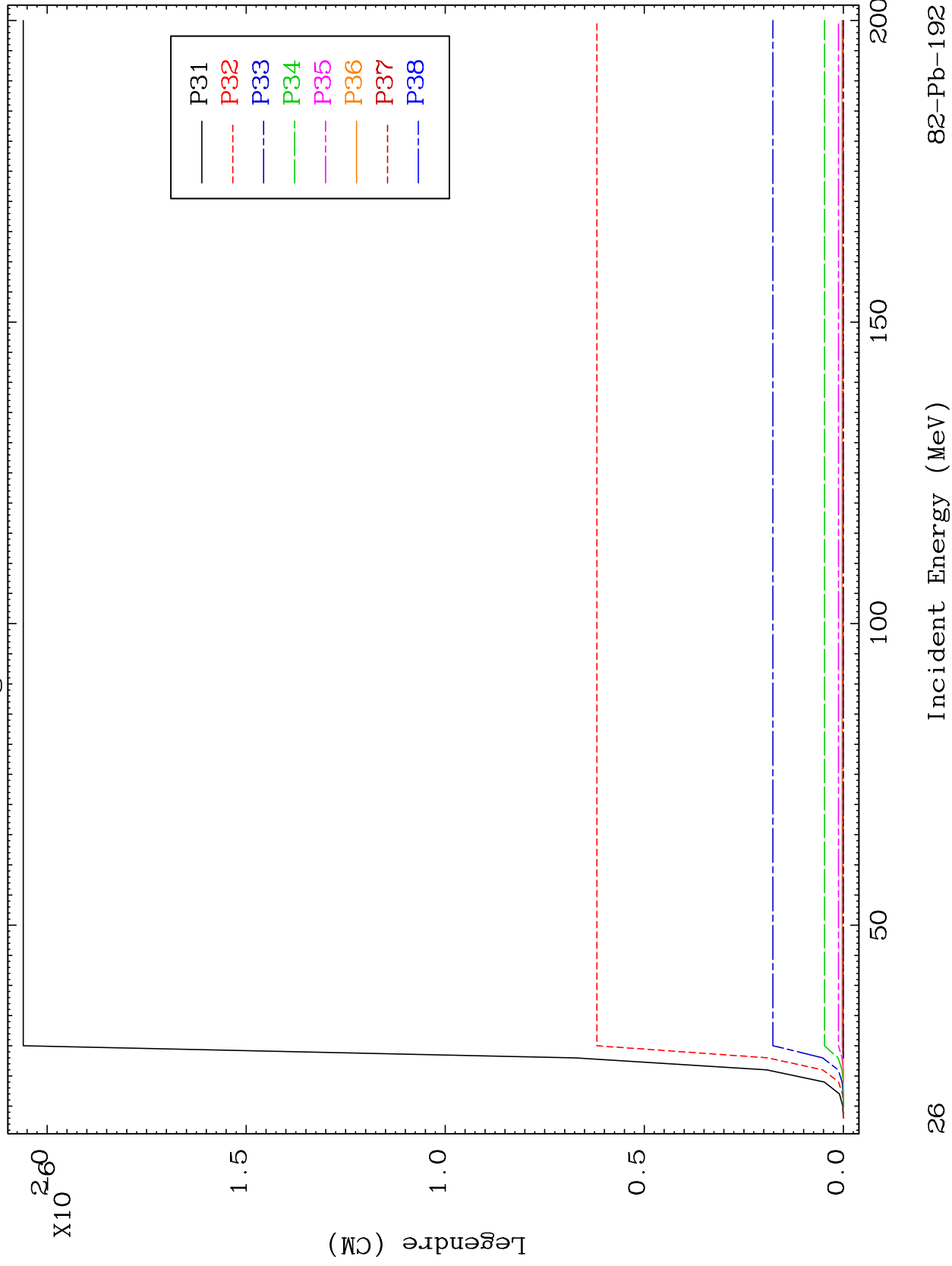
Incident Energy (MeV)

82-Pb-192

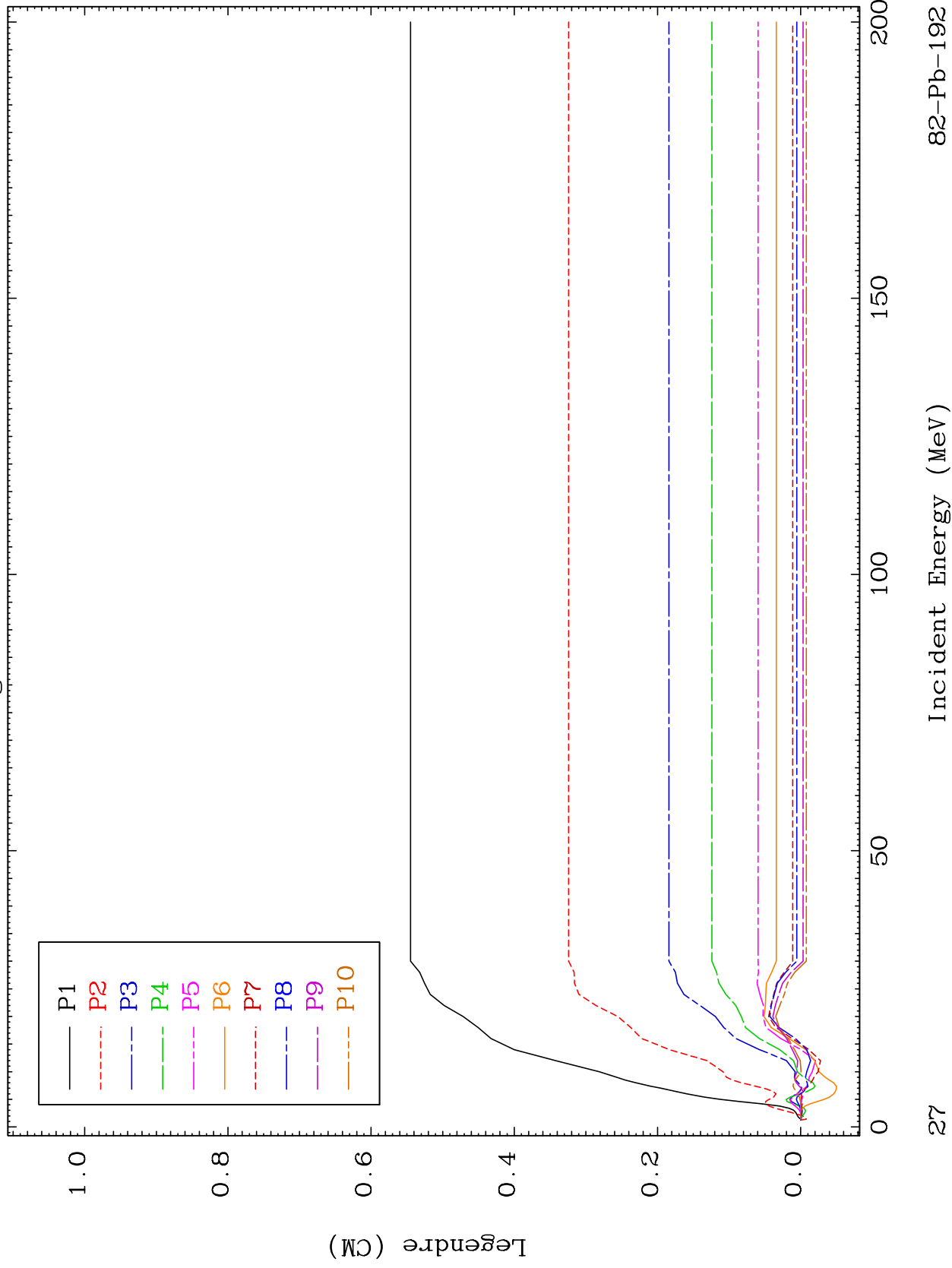
MAT 8189

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

82-Pb-192



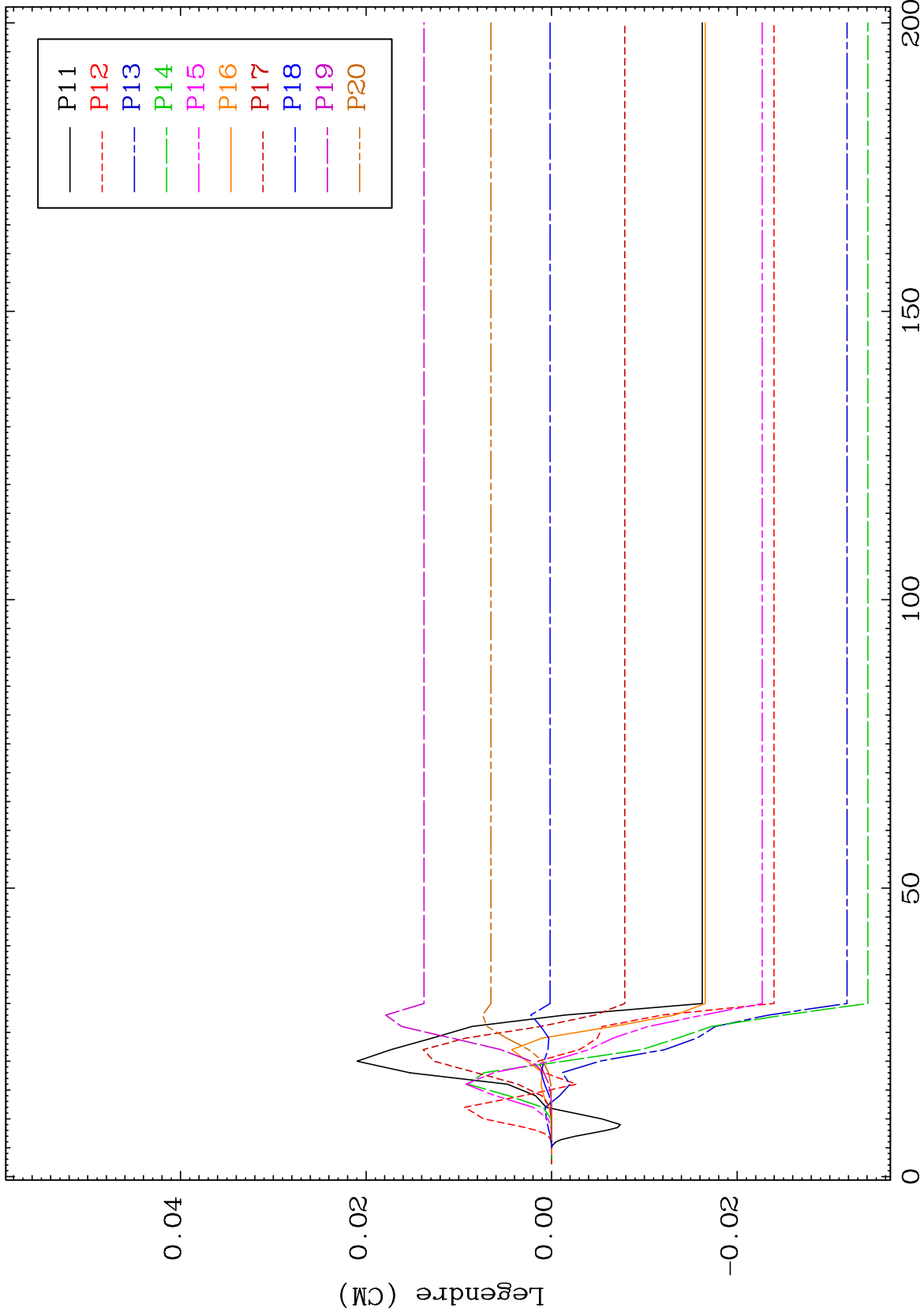
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MAT 8189

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

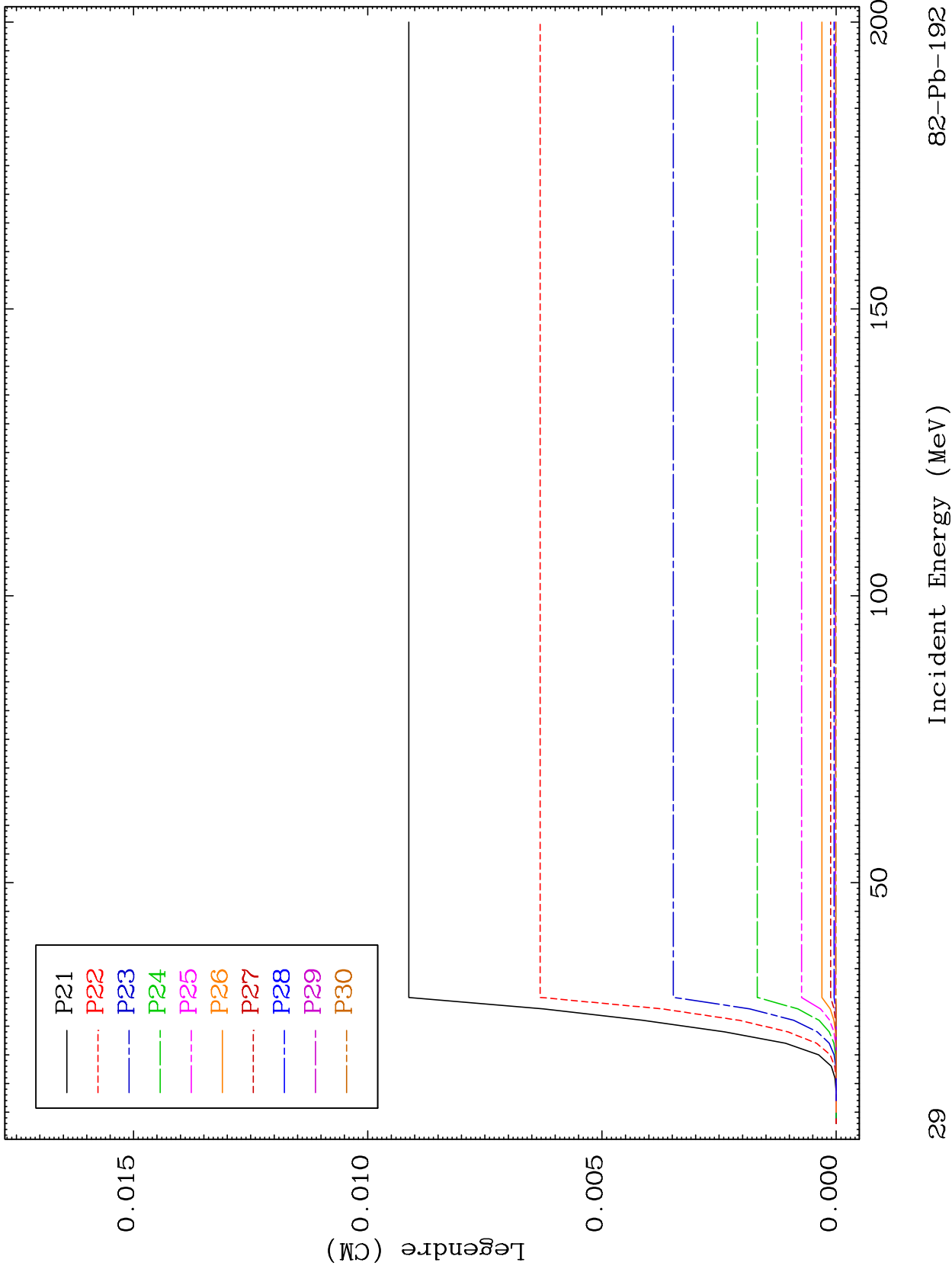
82-Pb-192



28

Incident Energy (MeV)

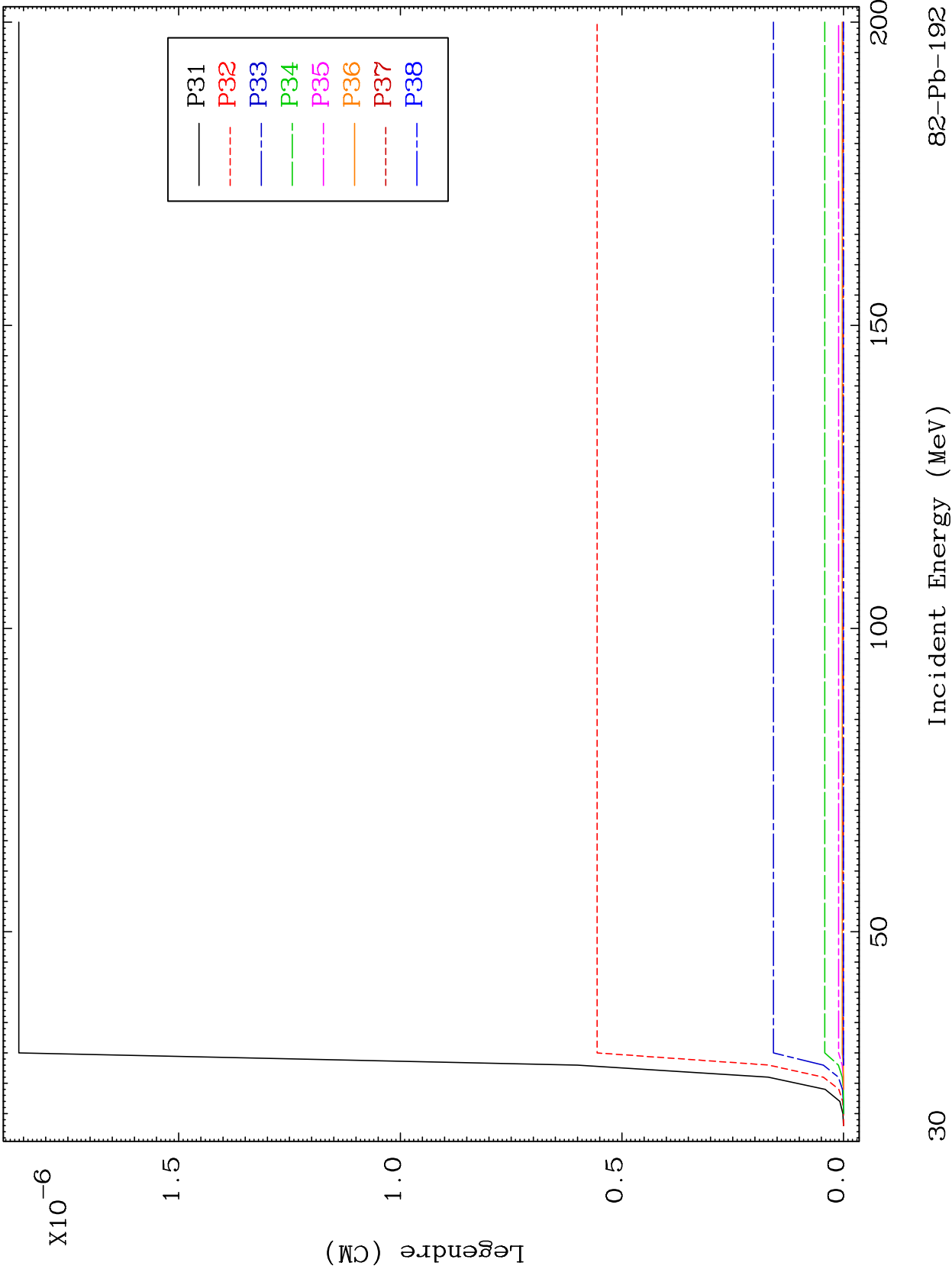
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MAT 8189

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

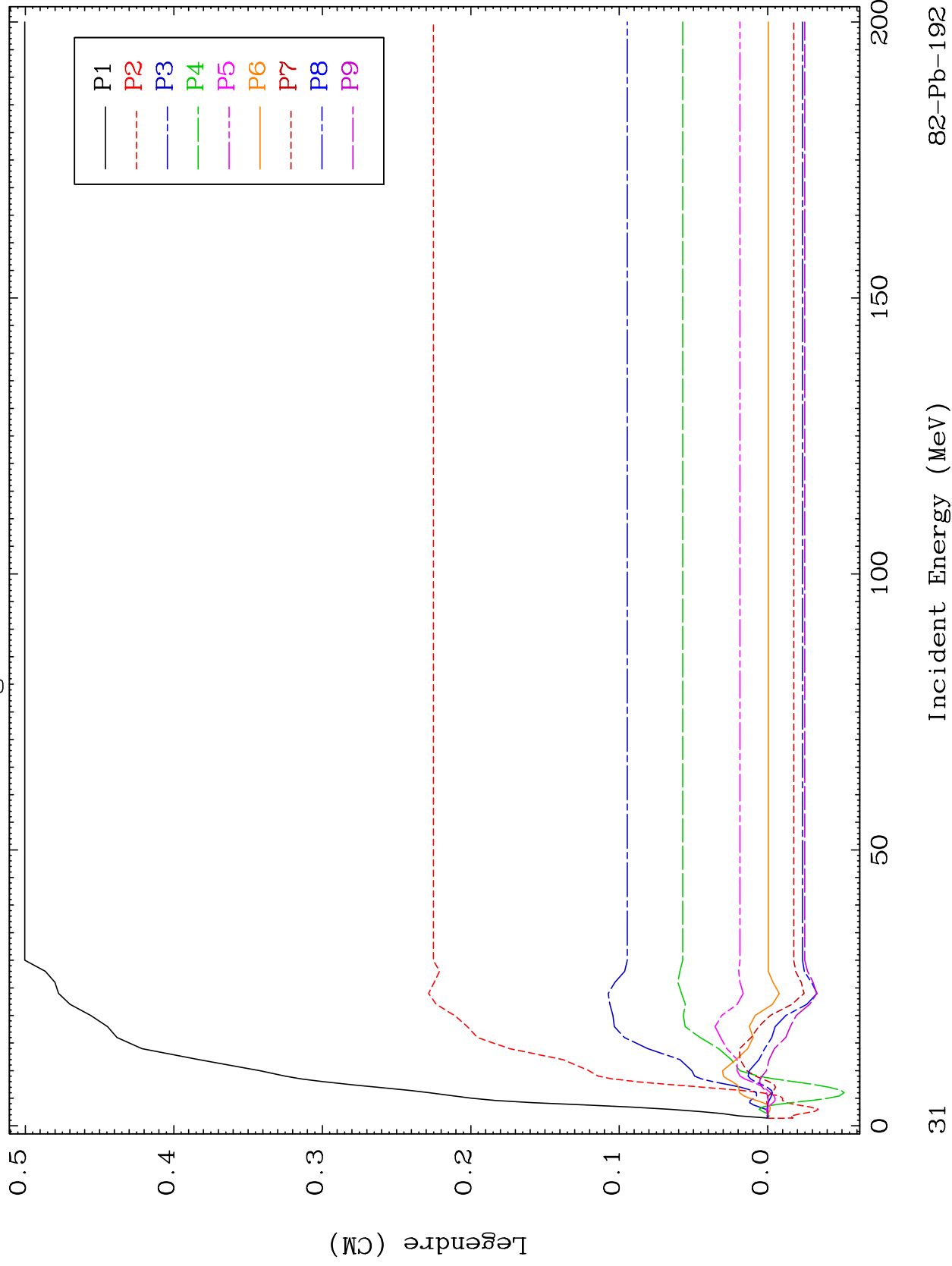
82-Pb-192



MAT 8189

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

82-Pb-192



31

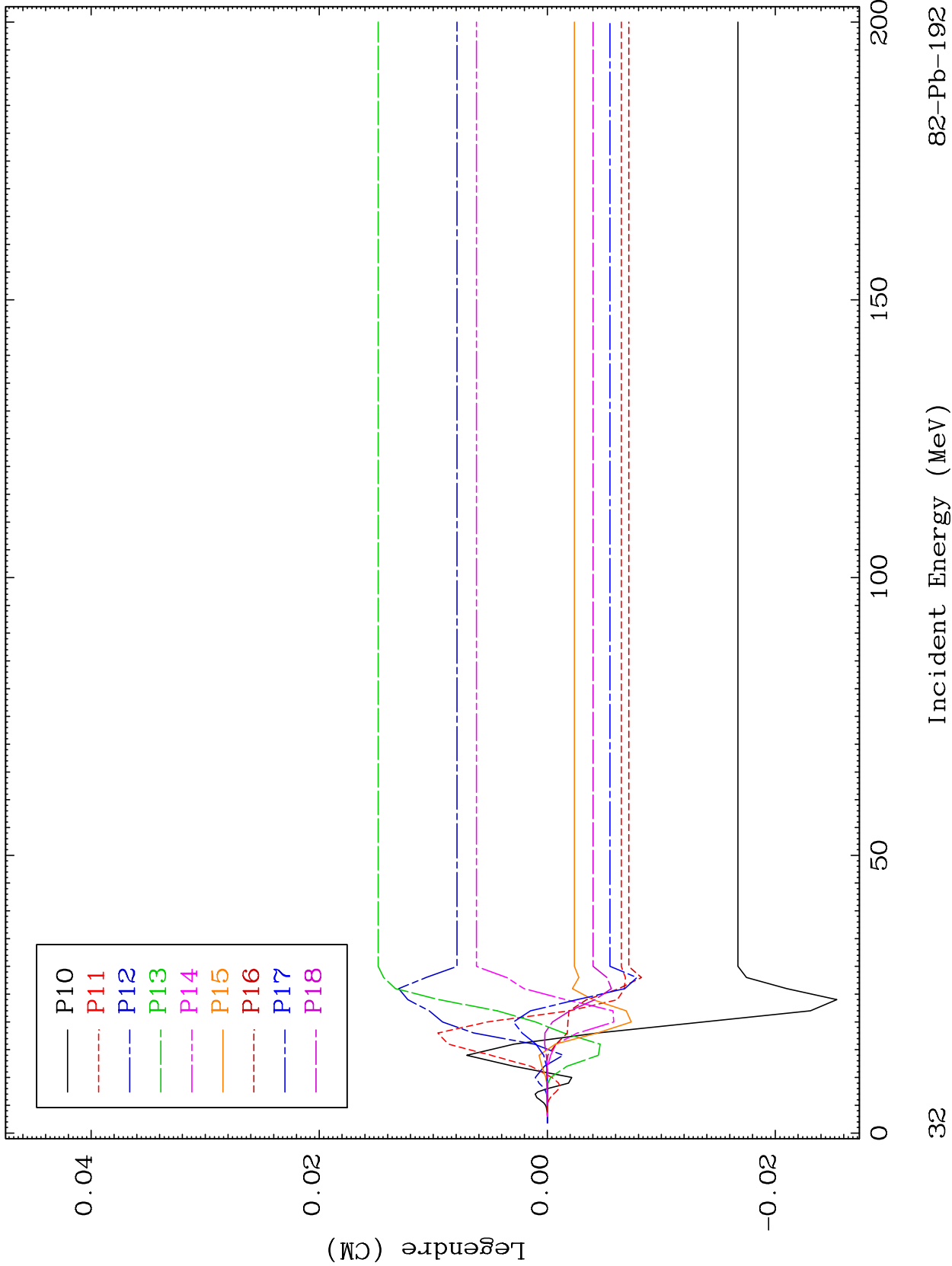
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



82-Pb-192

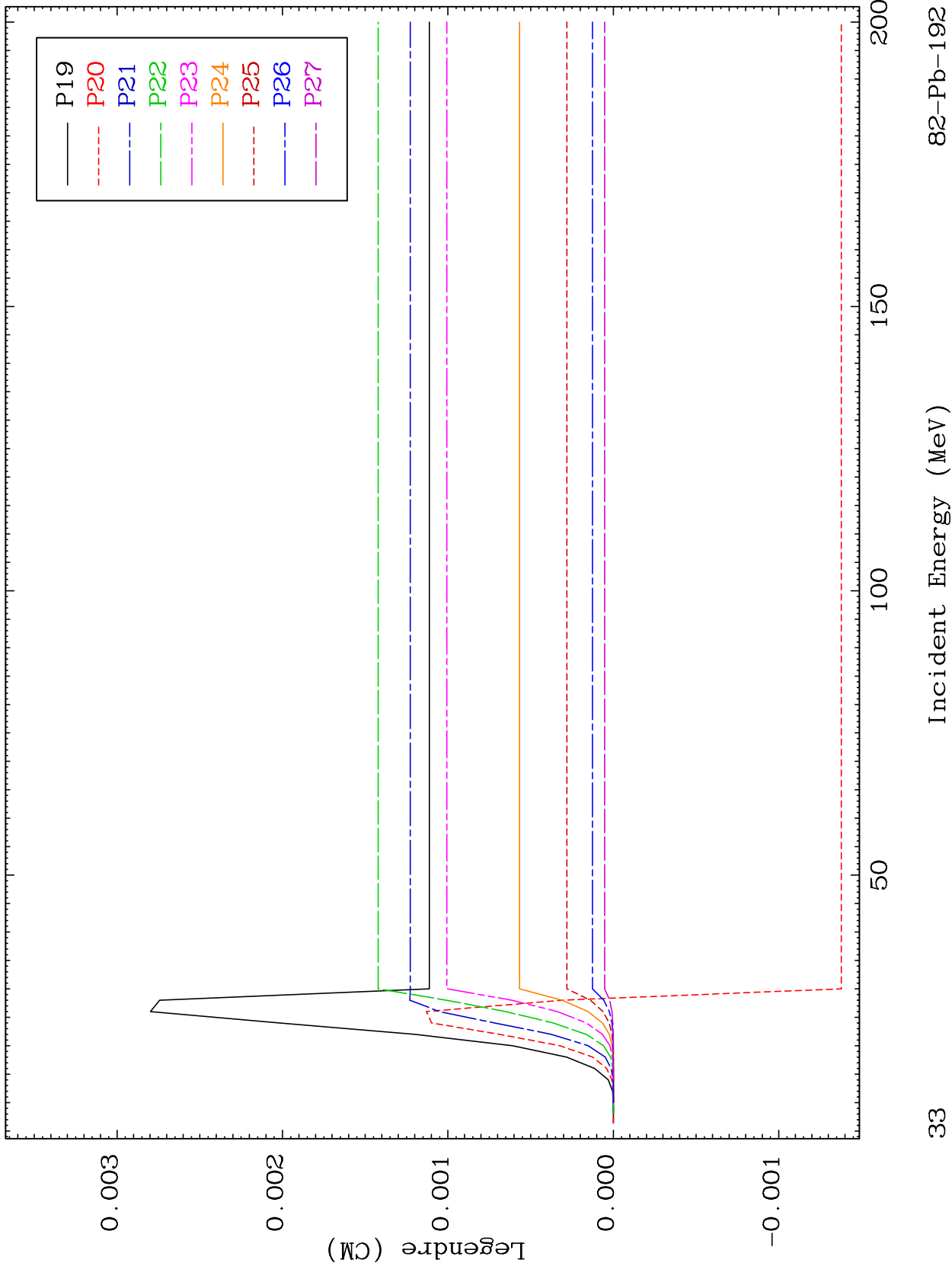
Incident Energy (MeV)

32

MAT 8189

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

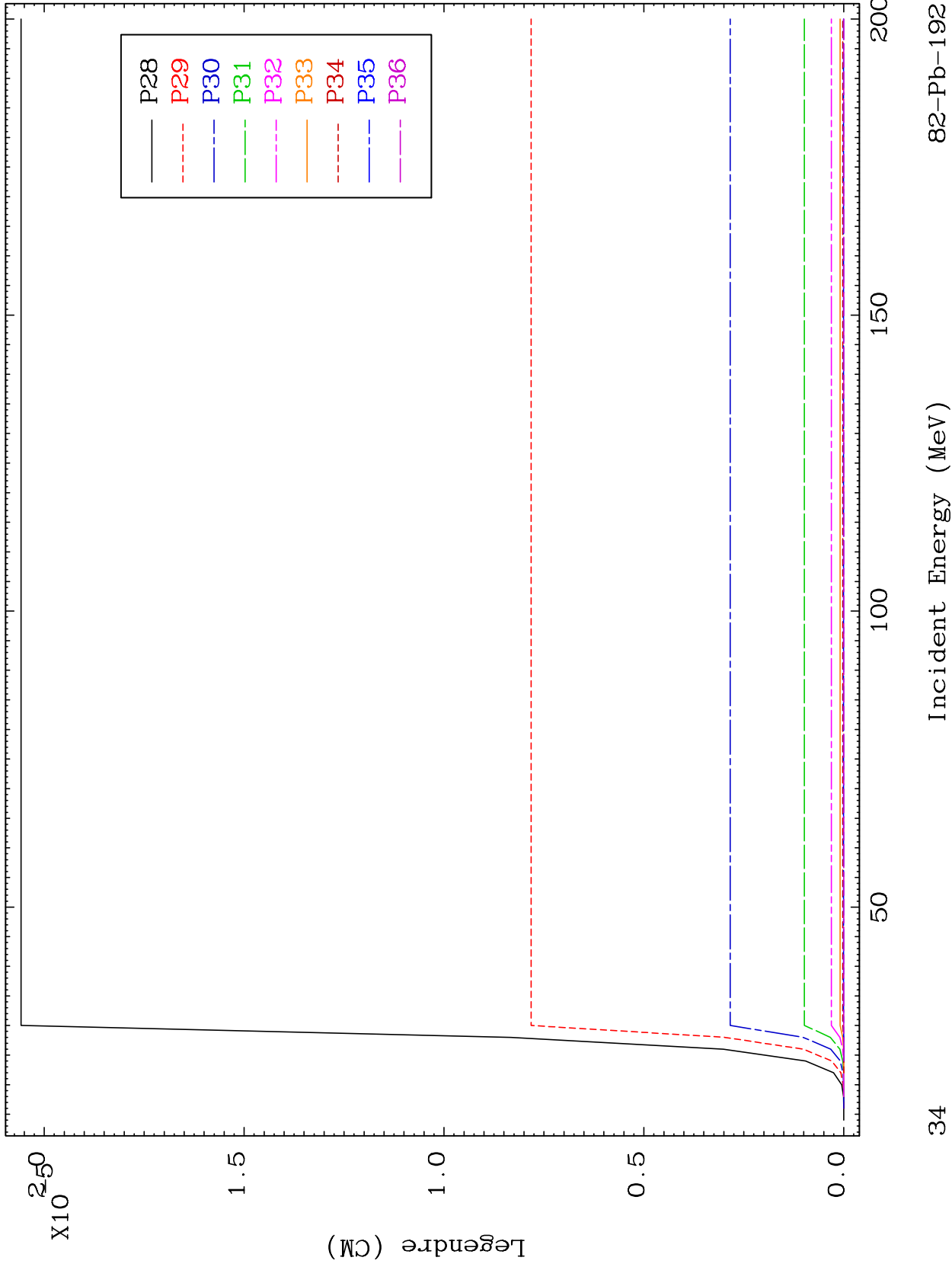
82-Pb-192



MAT 8189

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

82-Pb-192



34

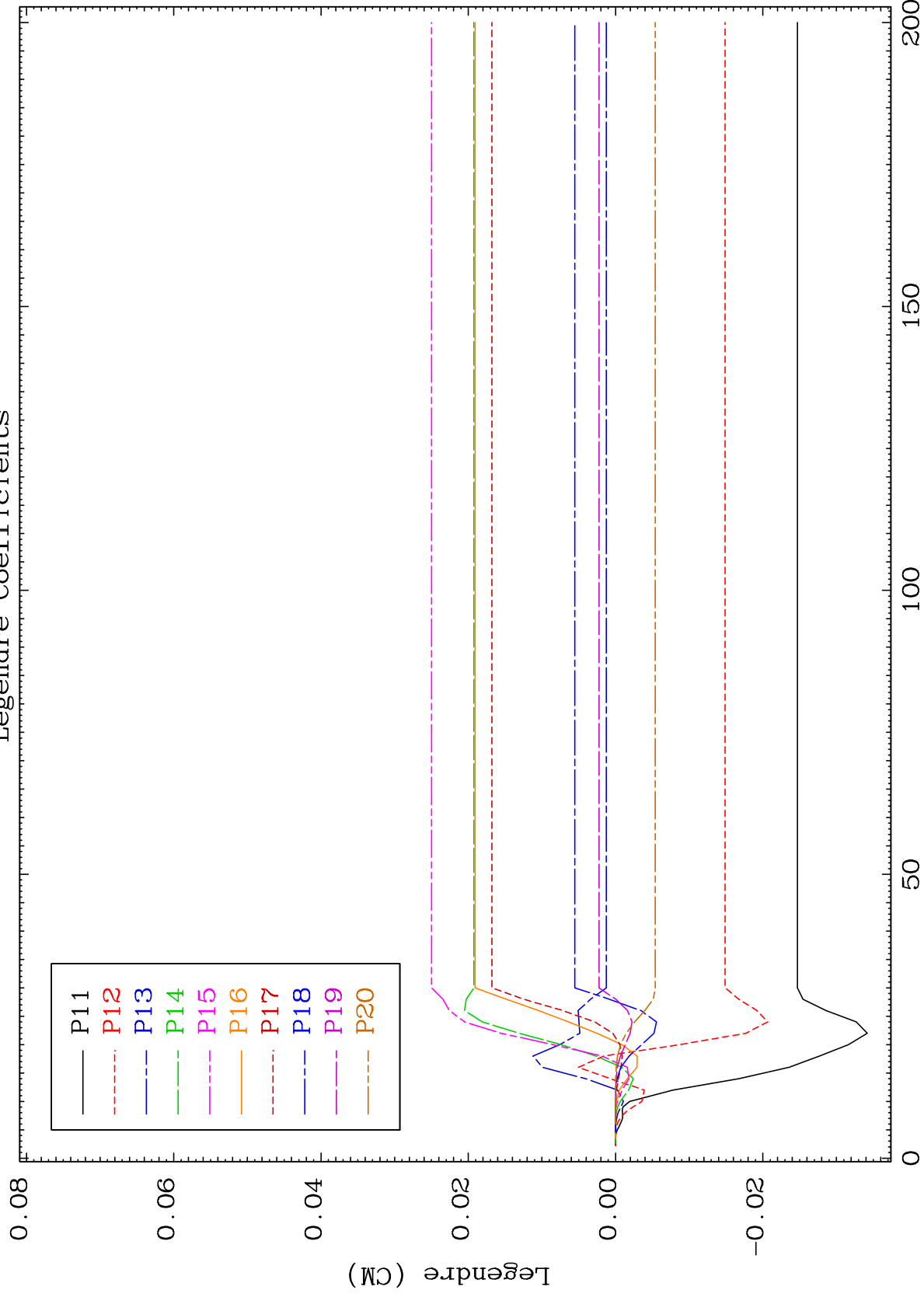
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



36

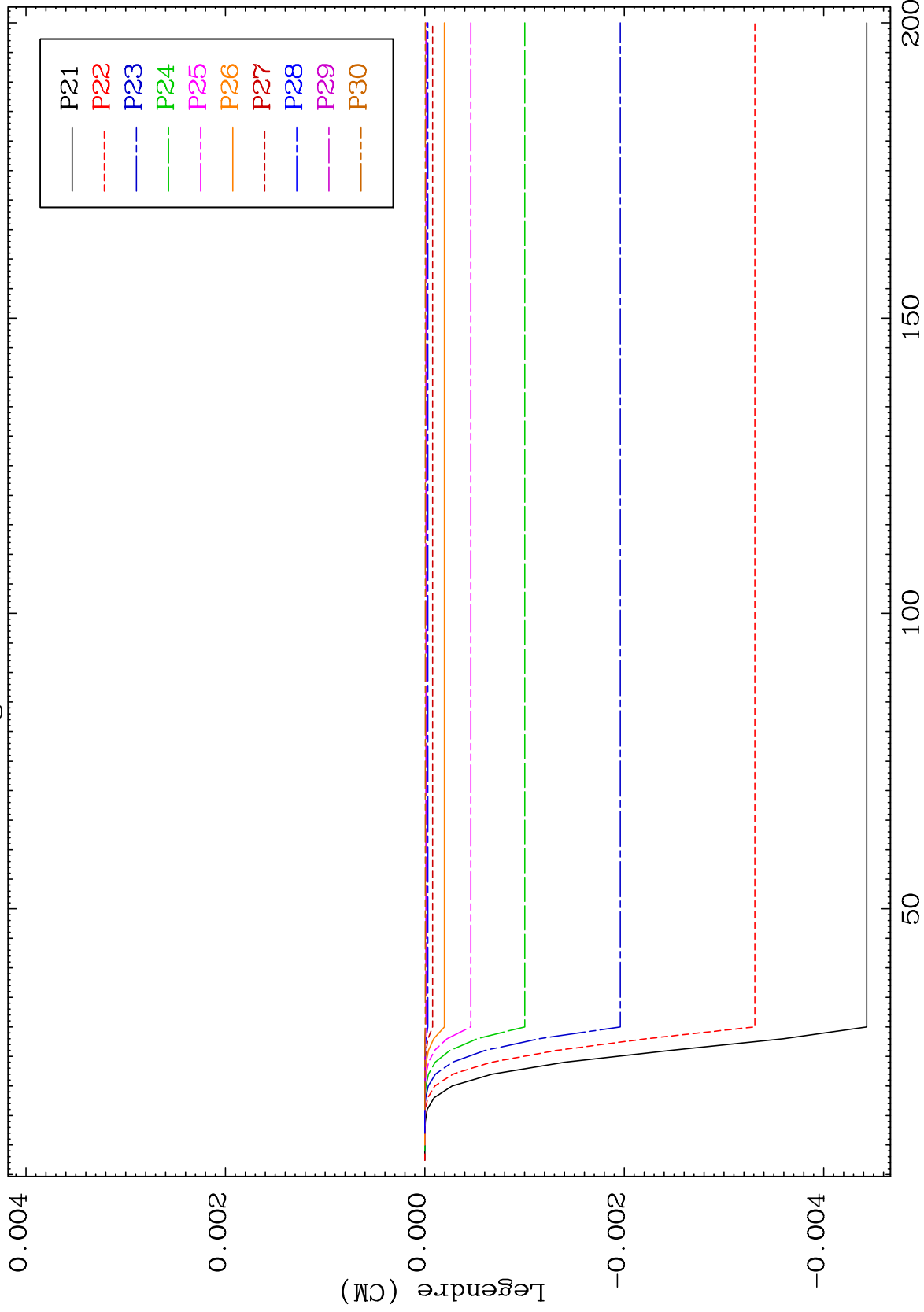
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



37

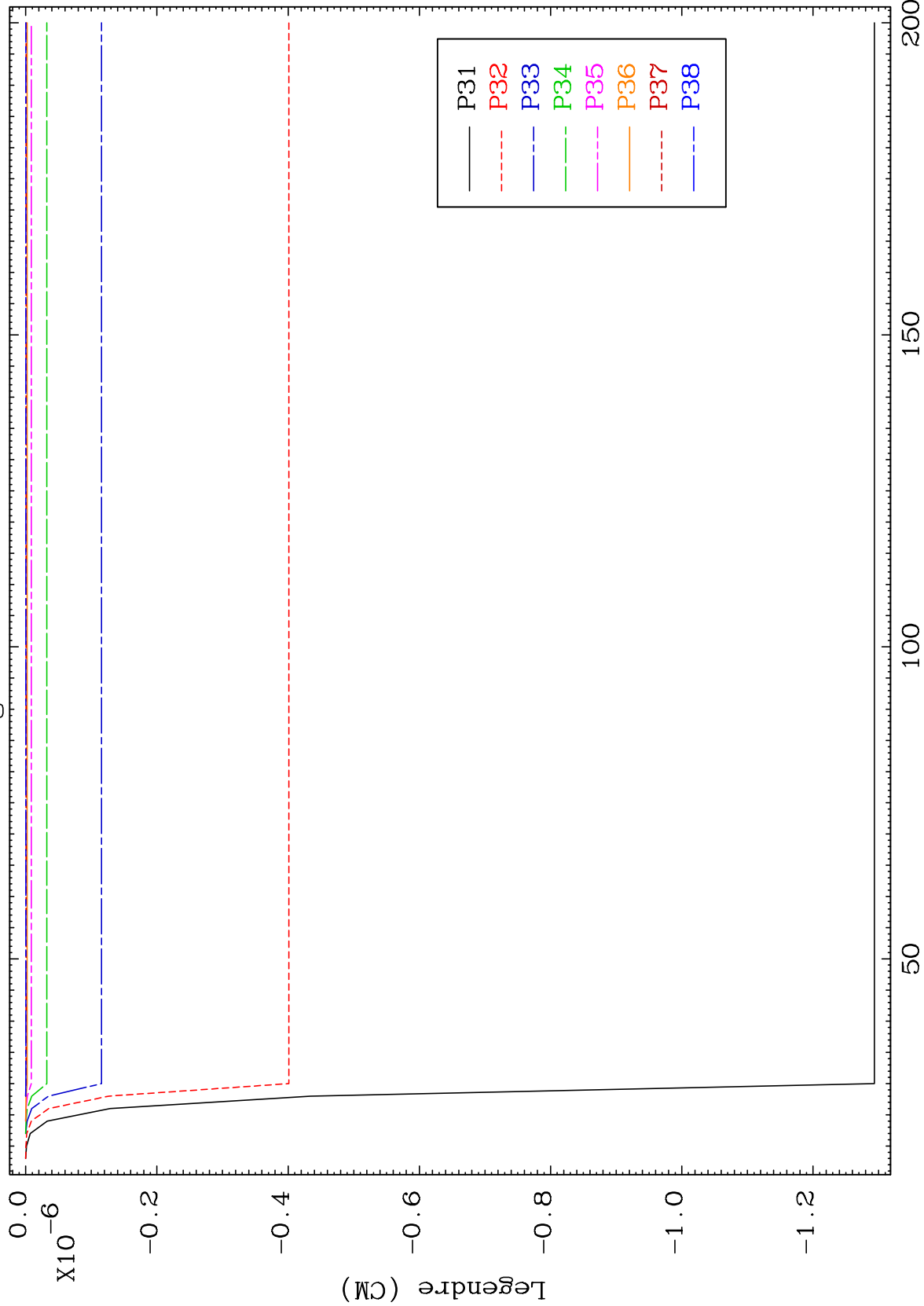
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

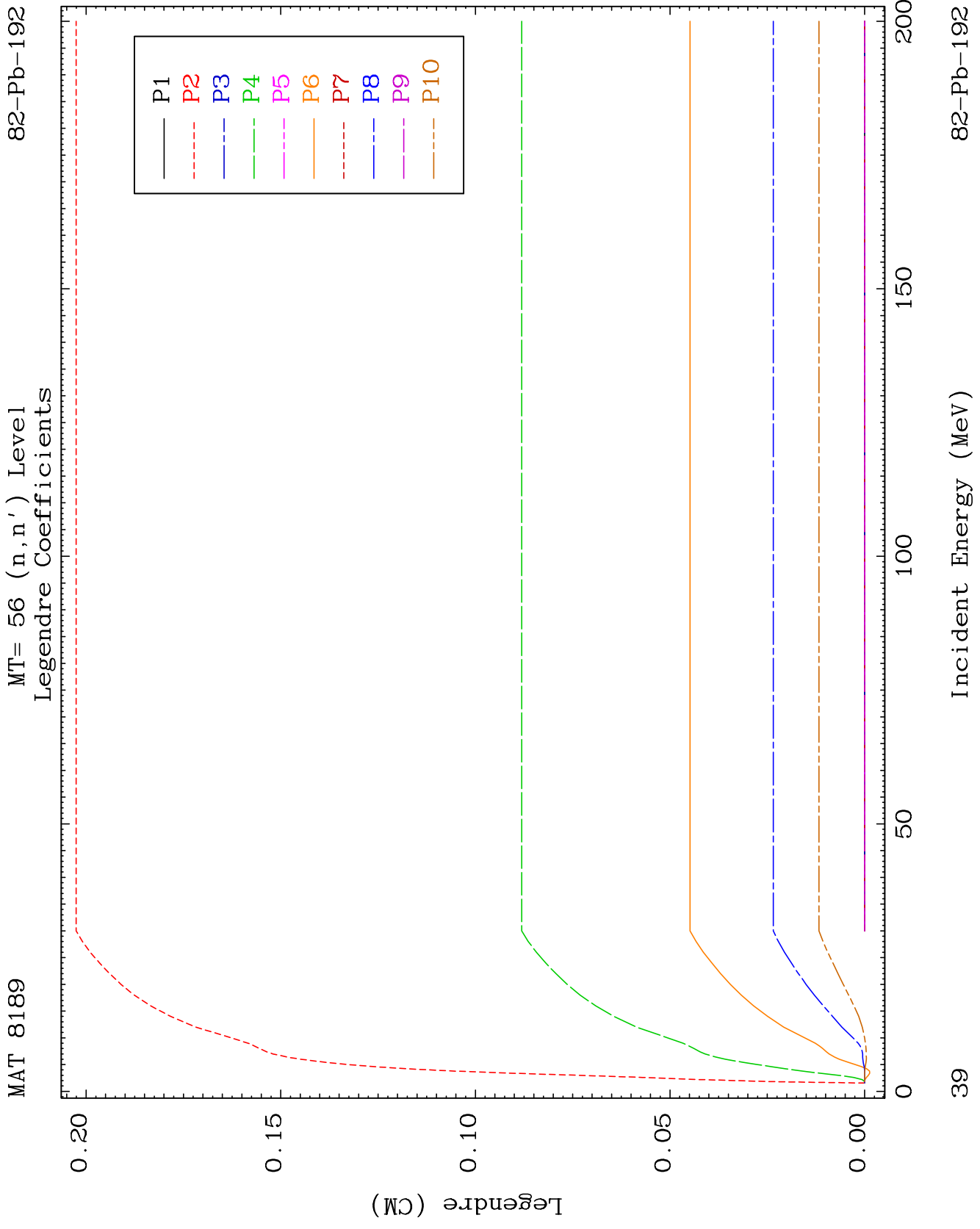
82-Pb-192



38

Incident Energy (MeV)

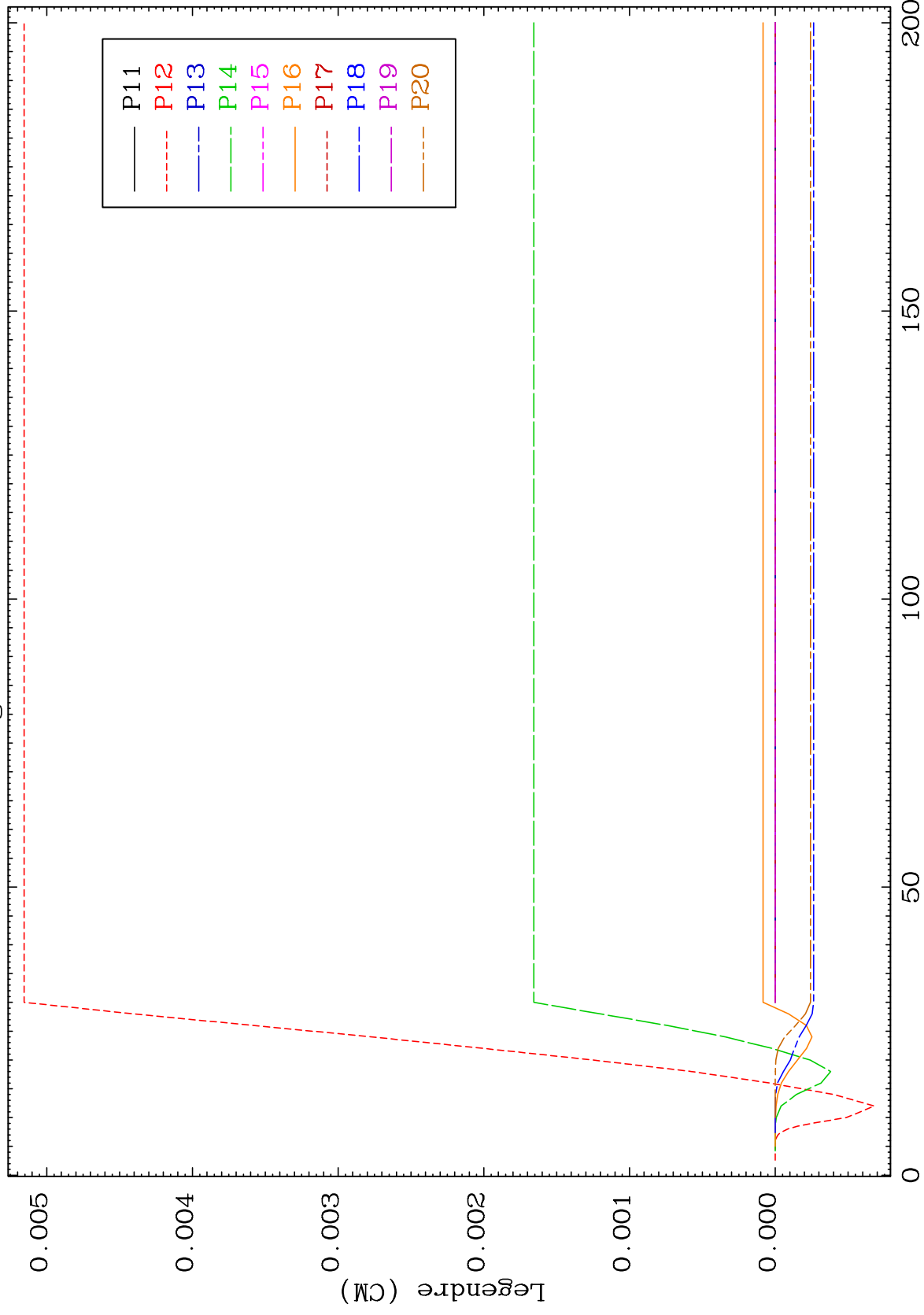
82-Pb-192



MAT 8189

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

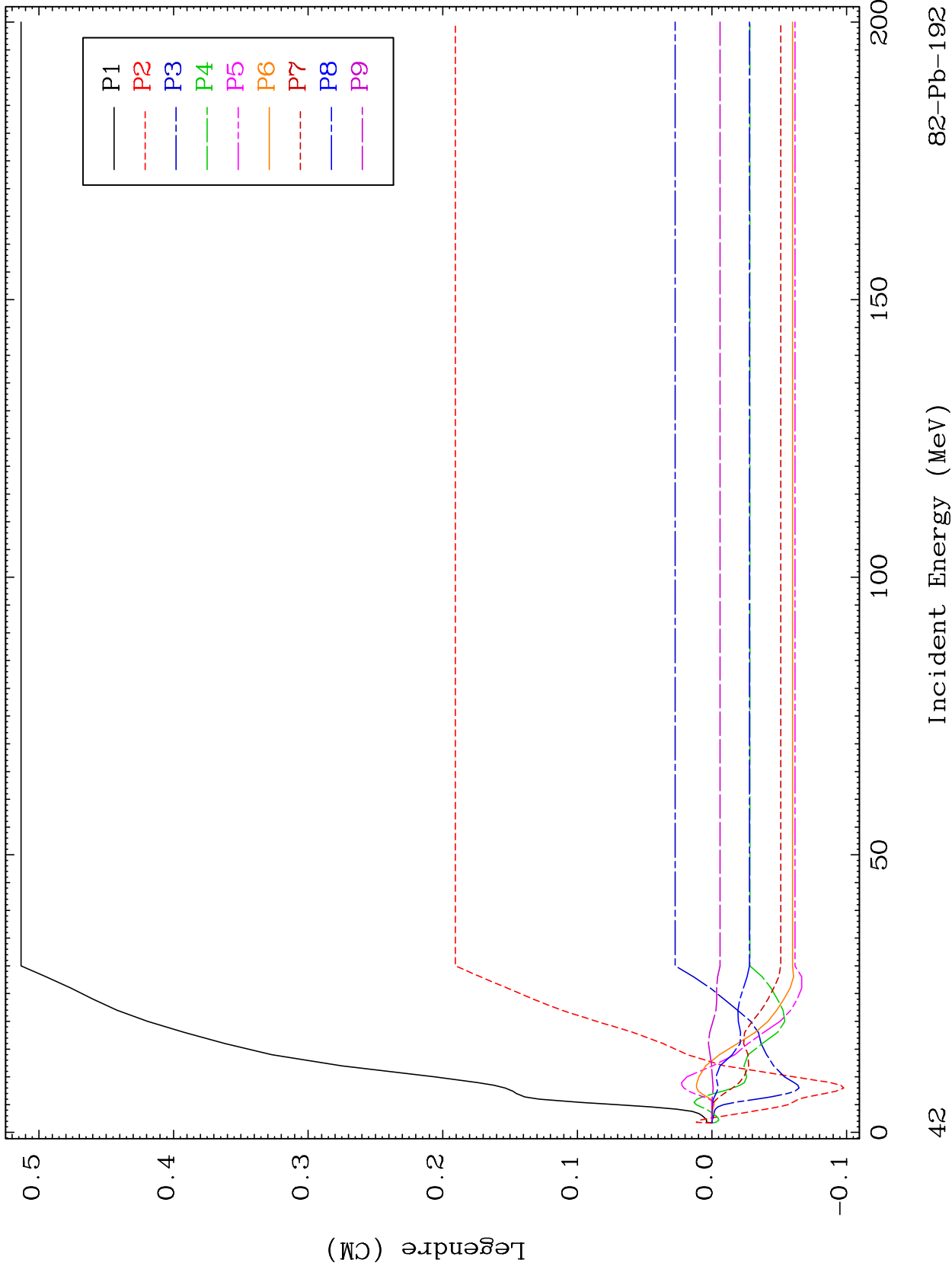
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MAT 8189

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

82-Pb-192



82-Pb-192

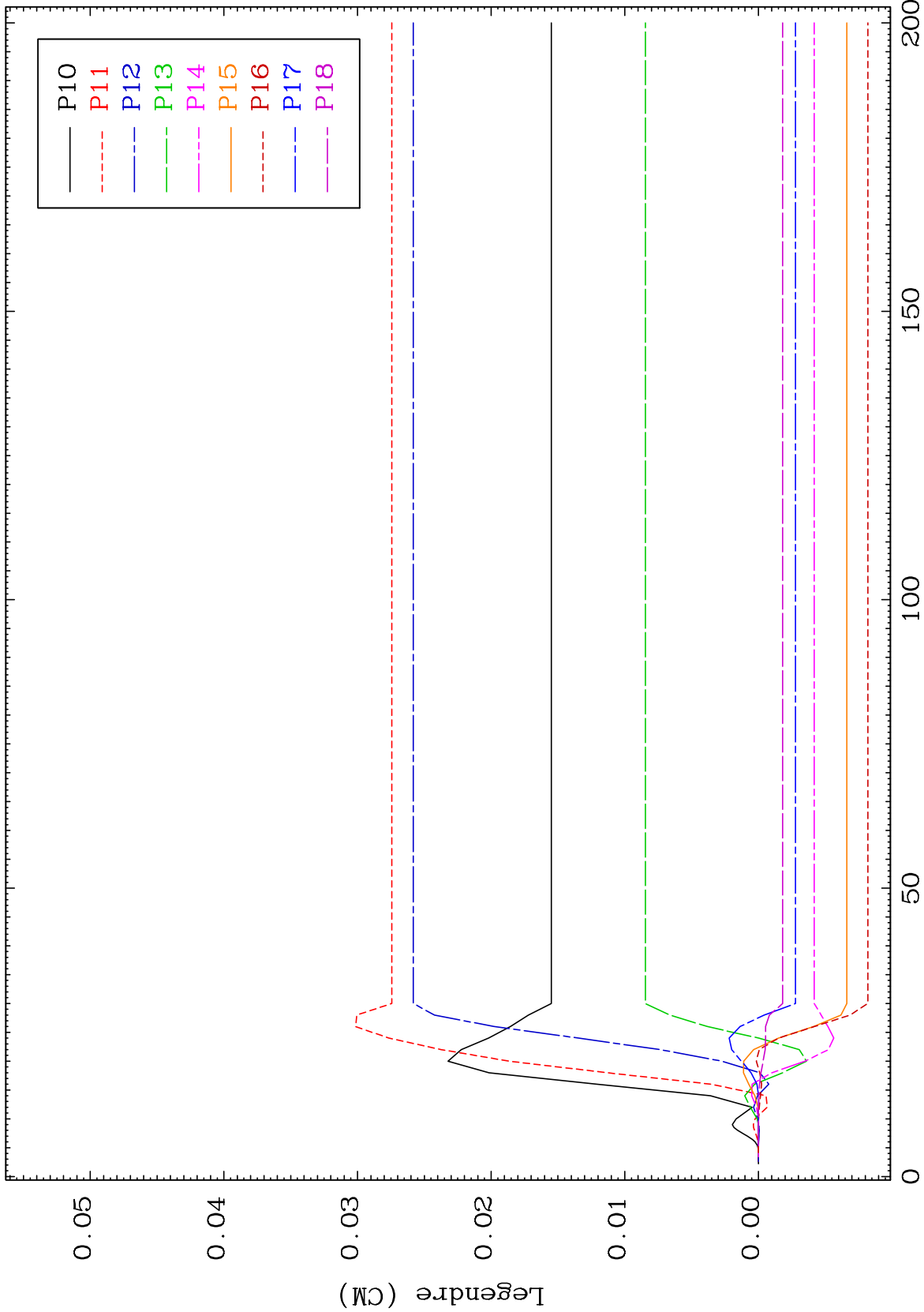
Incident Energy (MeV)

42

MAT 8189

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

82-Pb-192



43

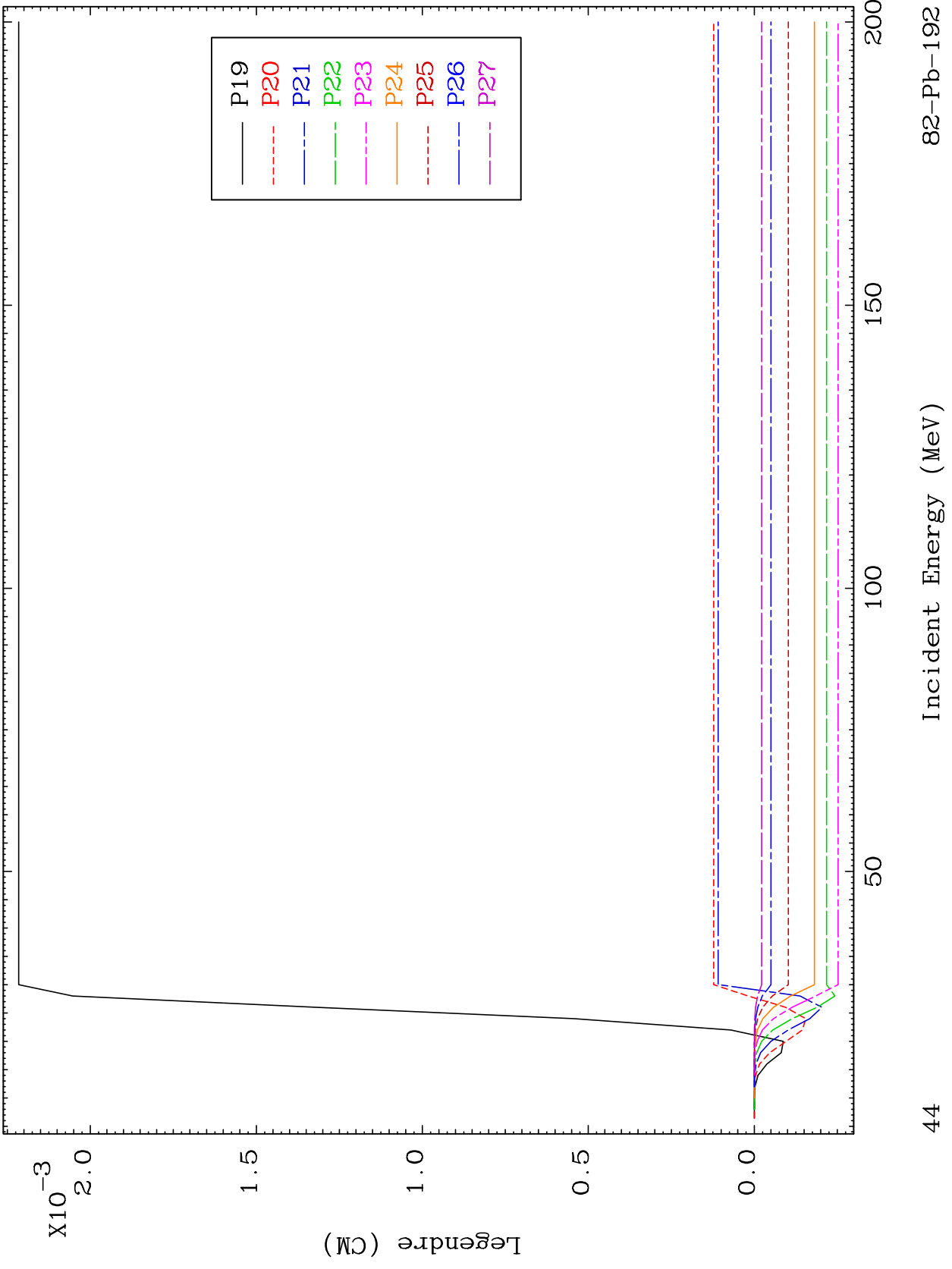
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192

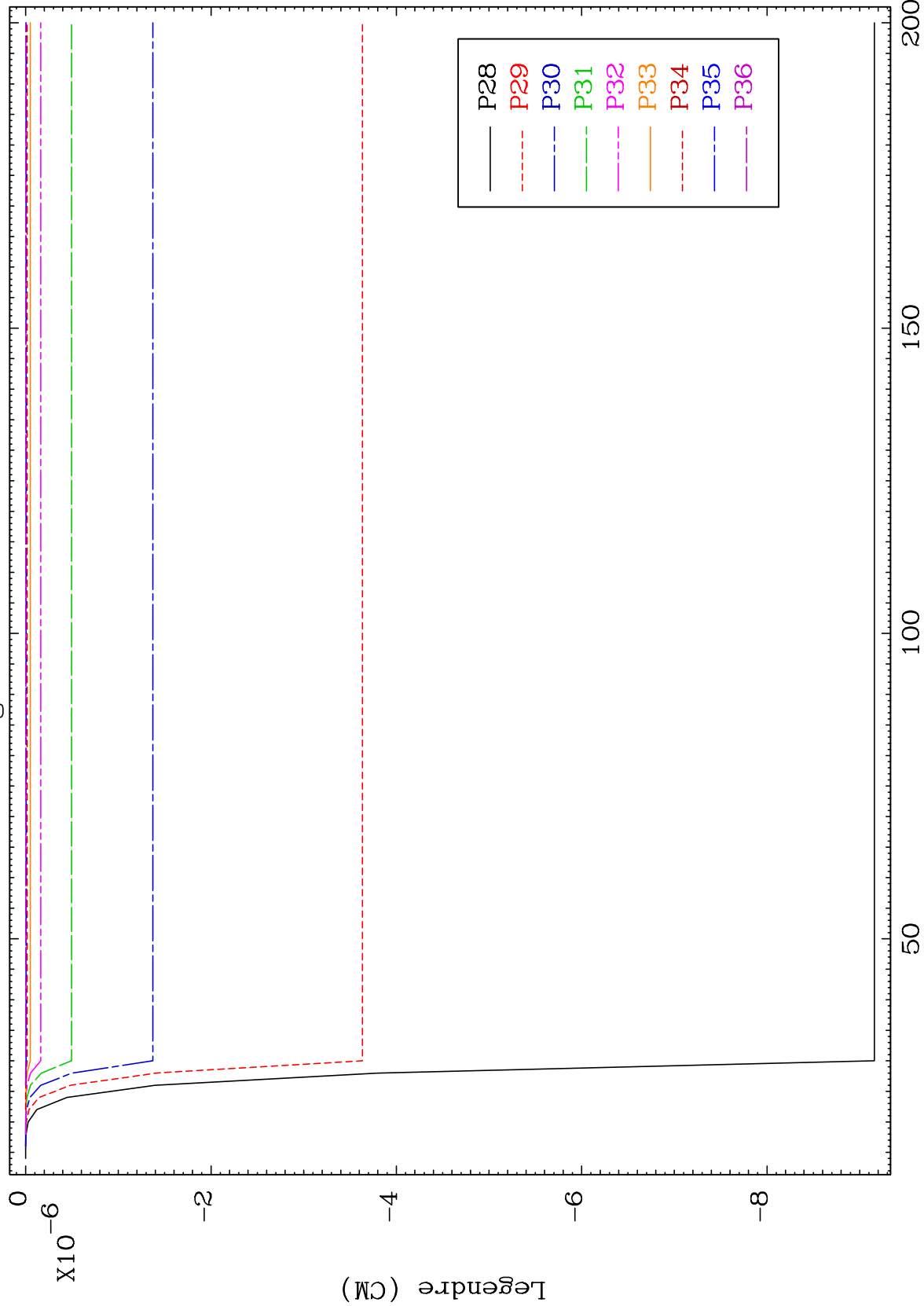


MAT 8189

MT= 57 (n,n') Level

82-Pb-192

Legendre Coefficients



82-Pb-192

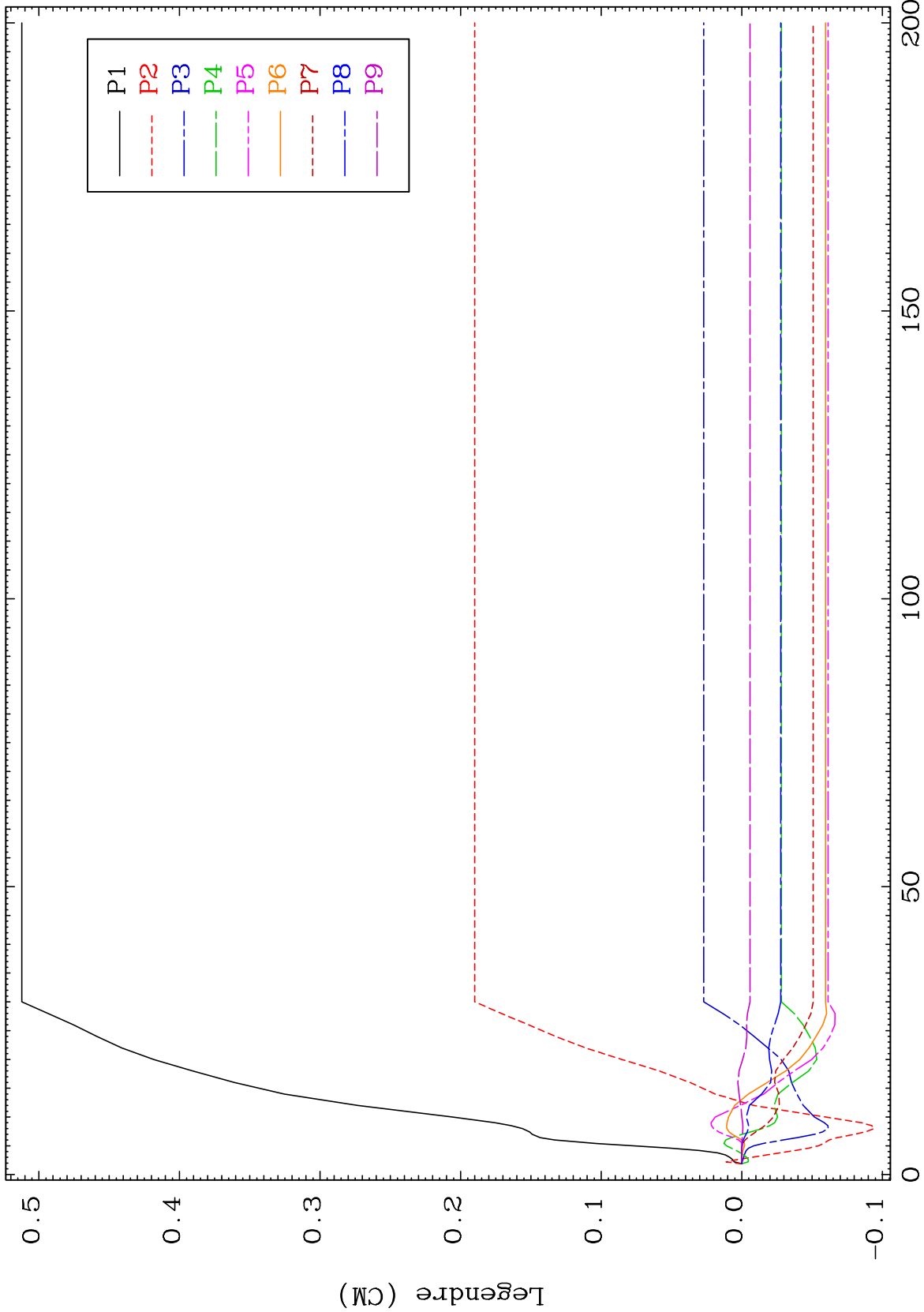
Incident Energy (MeV)

45

MAT 8189

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

82-Pb-192



46

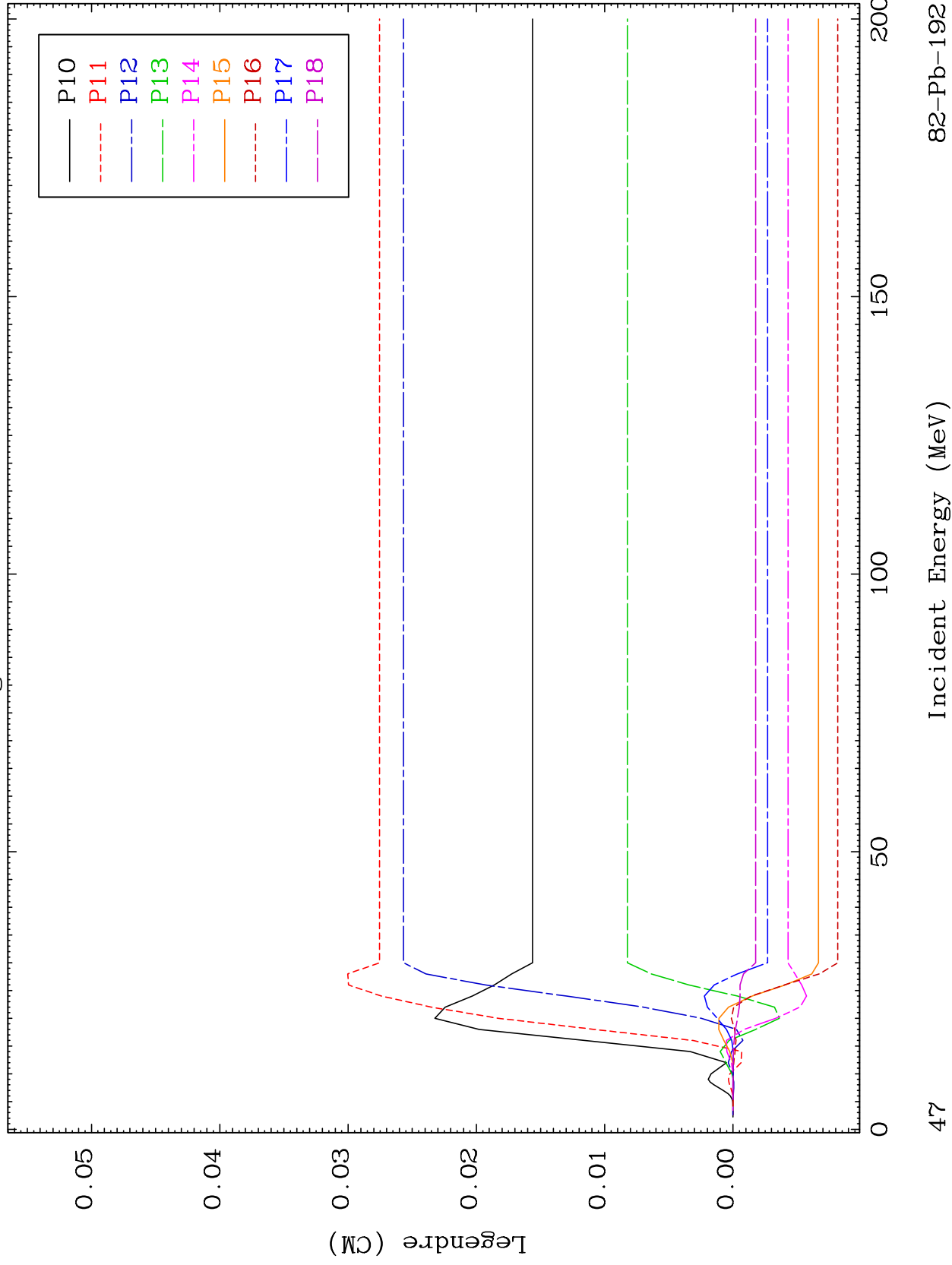
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



47

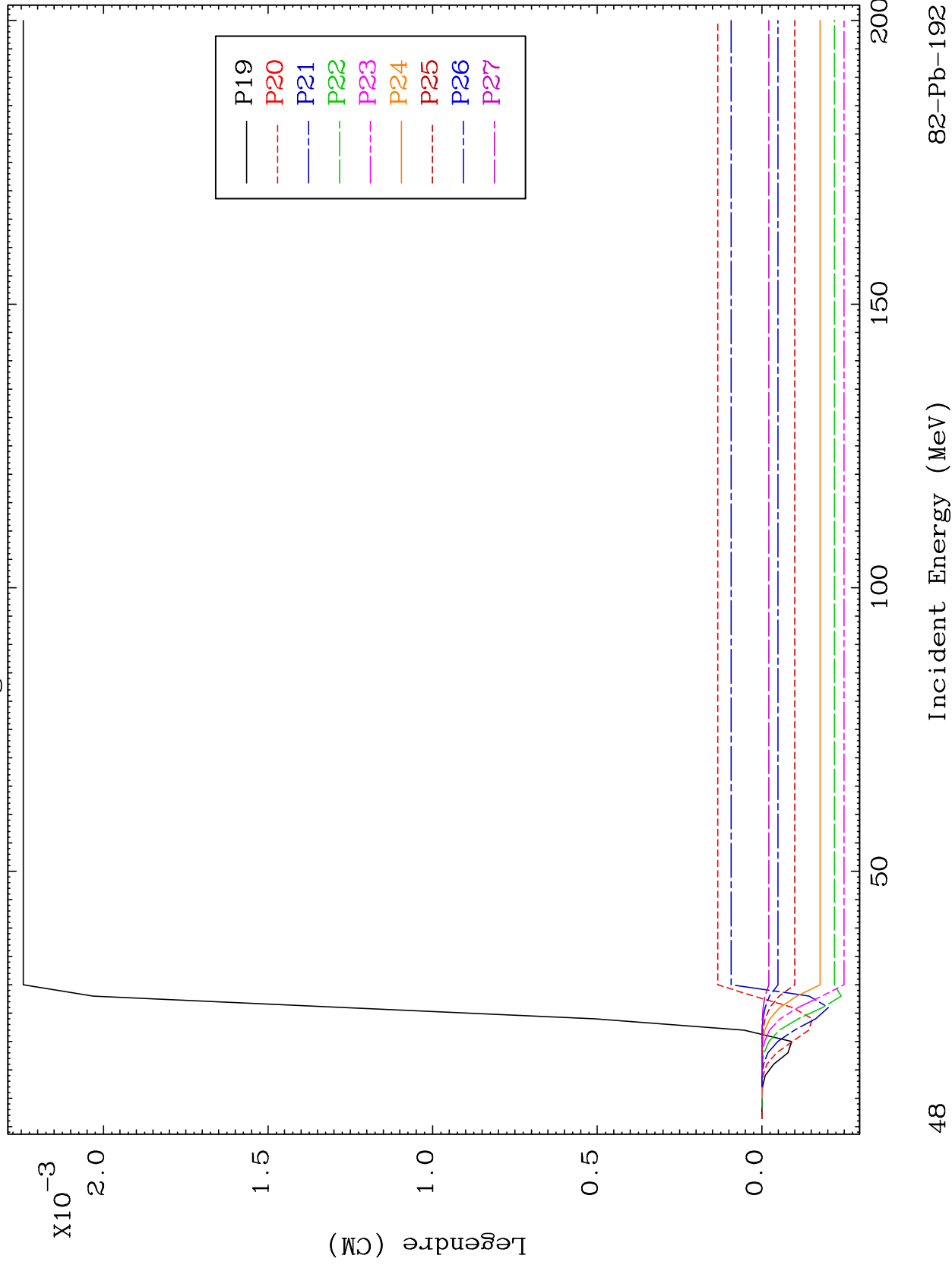
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



48

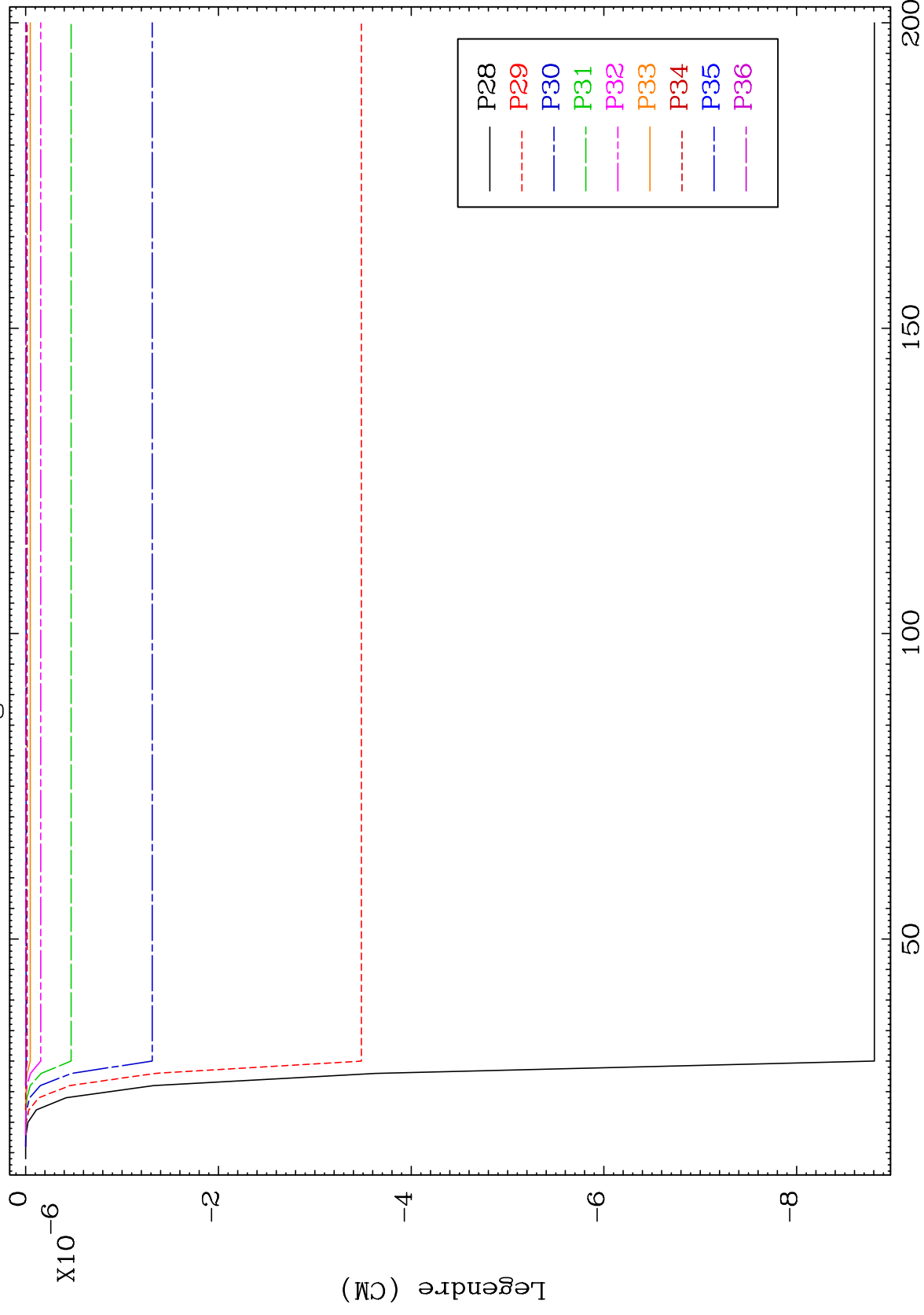
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



49

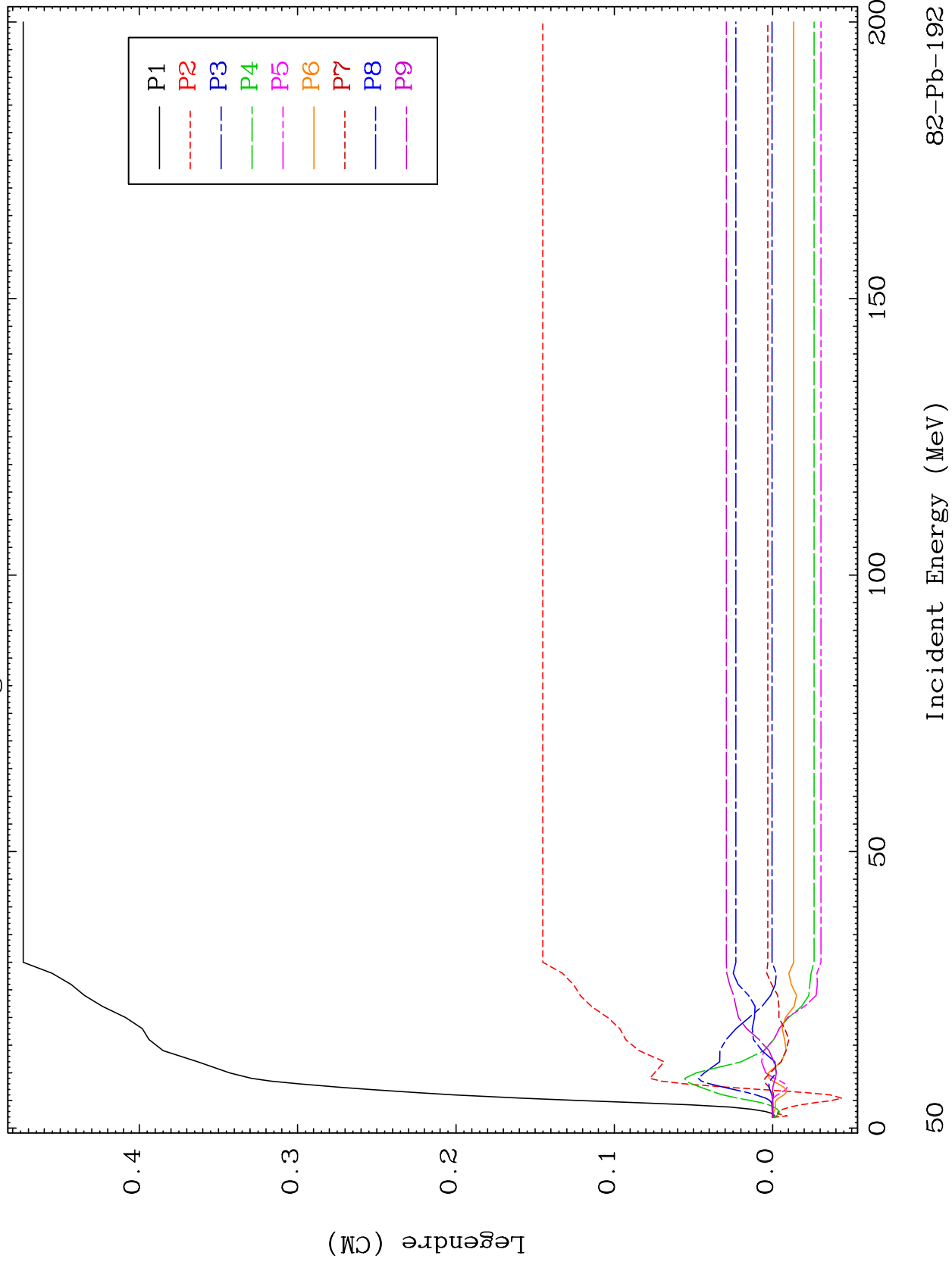
Incident Energy (MeV)

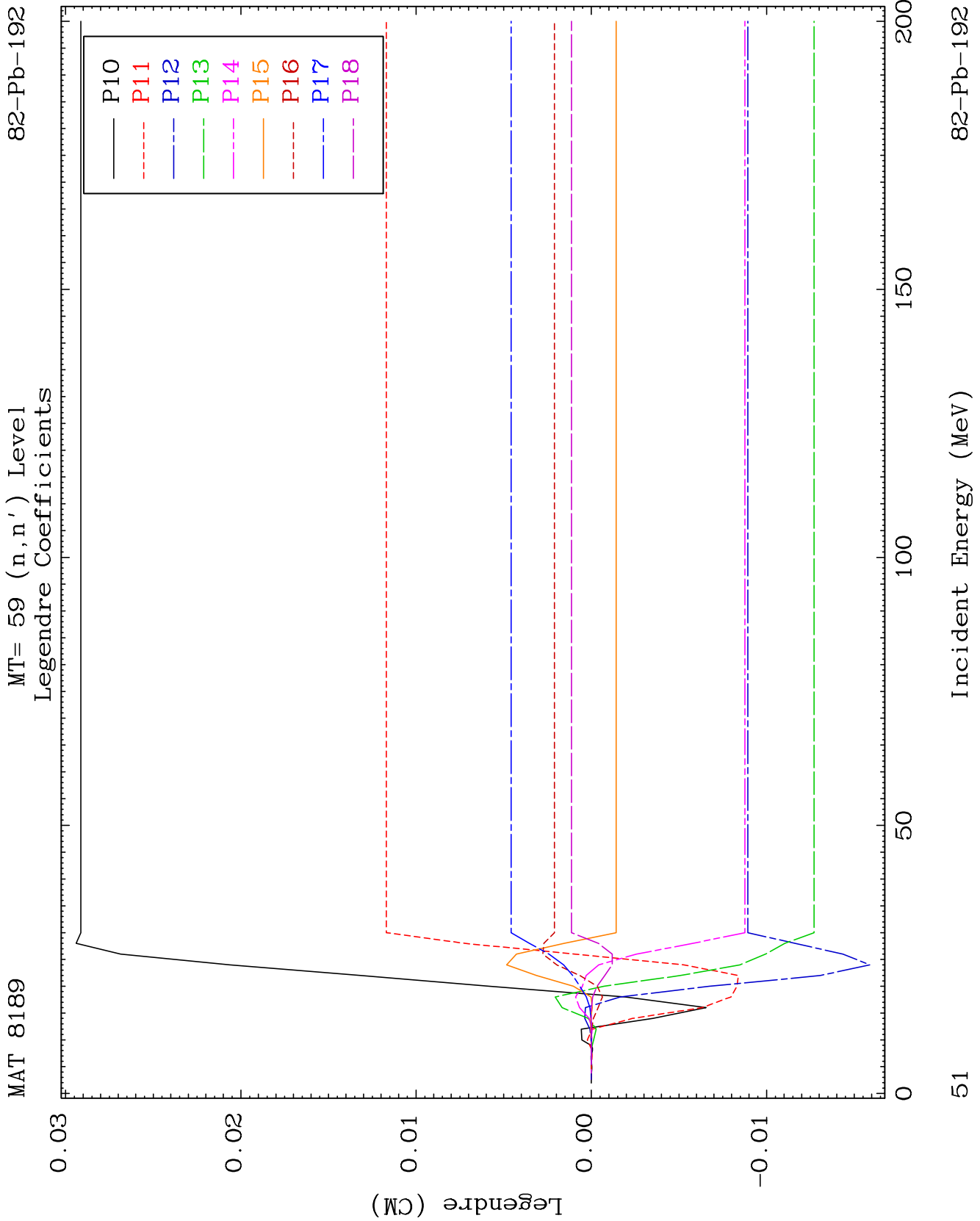
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MAT 8189

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

82-Pb-192

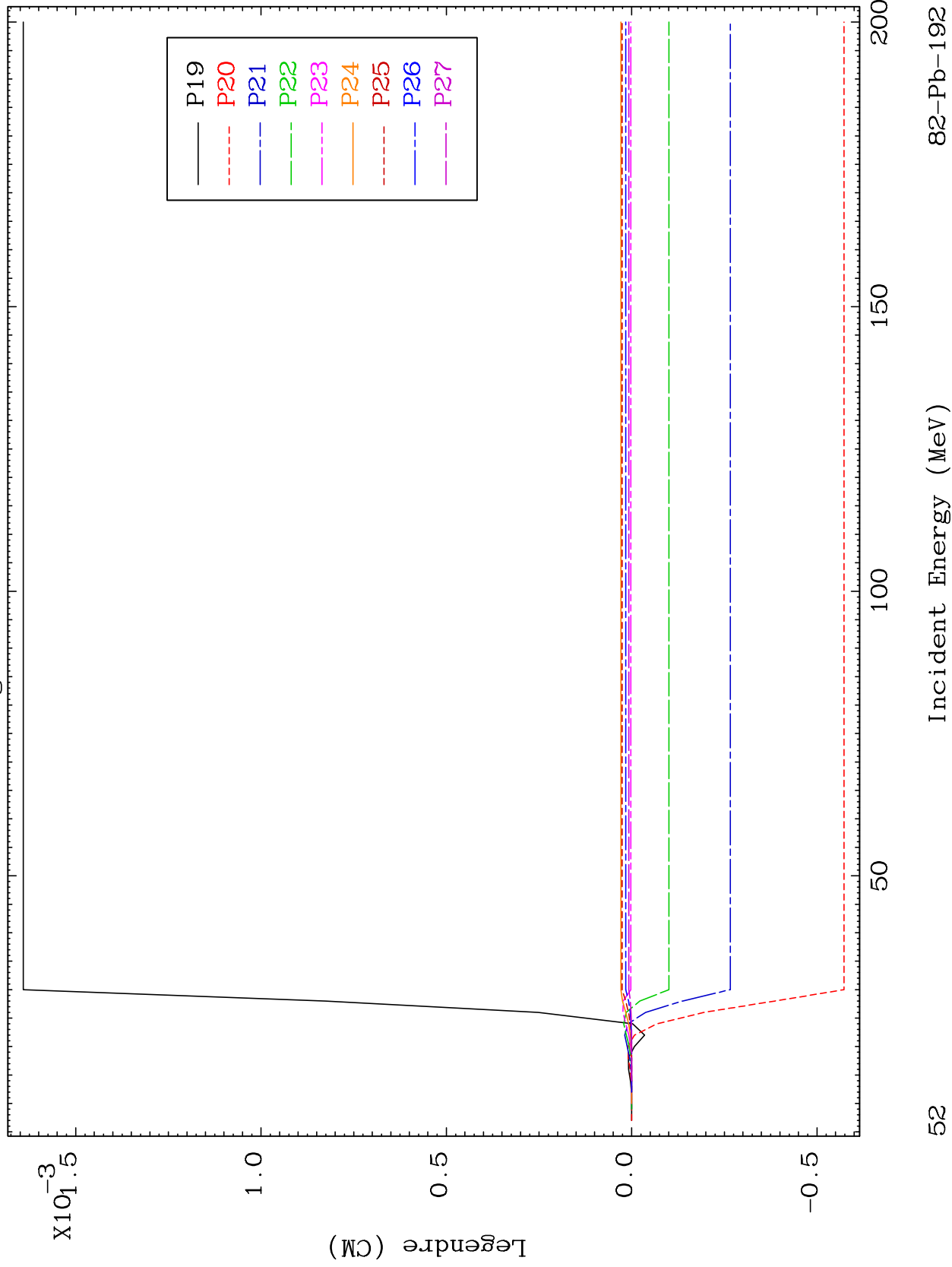




MAT 8189

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

82-Pb-192



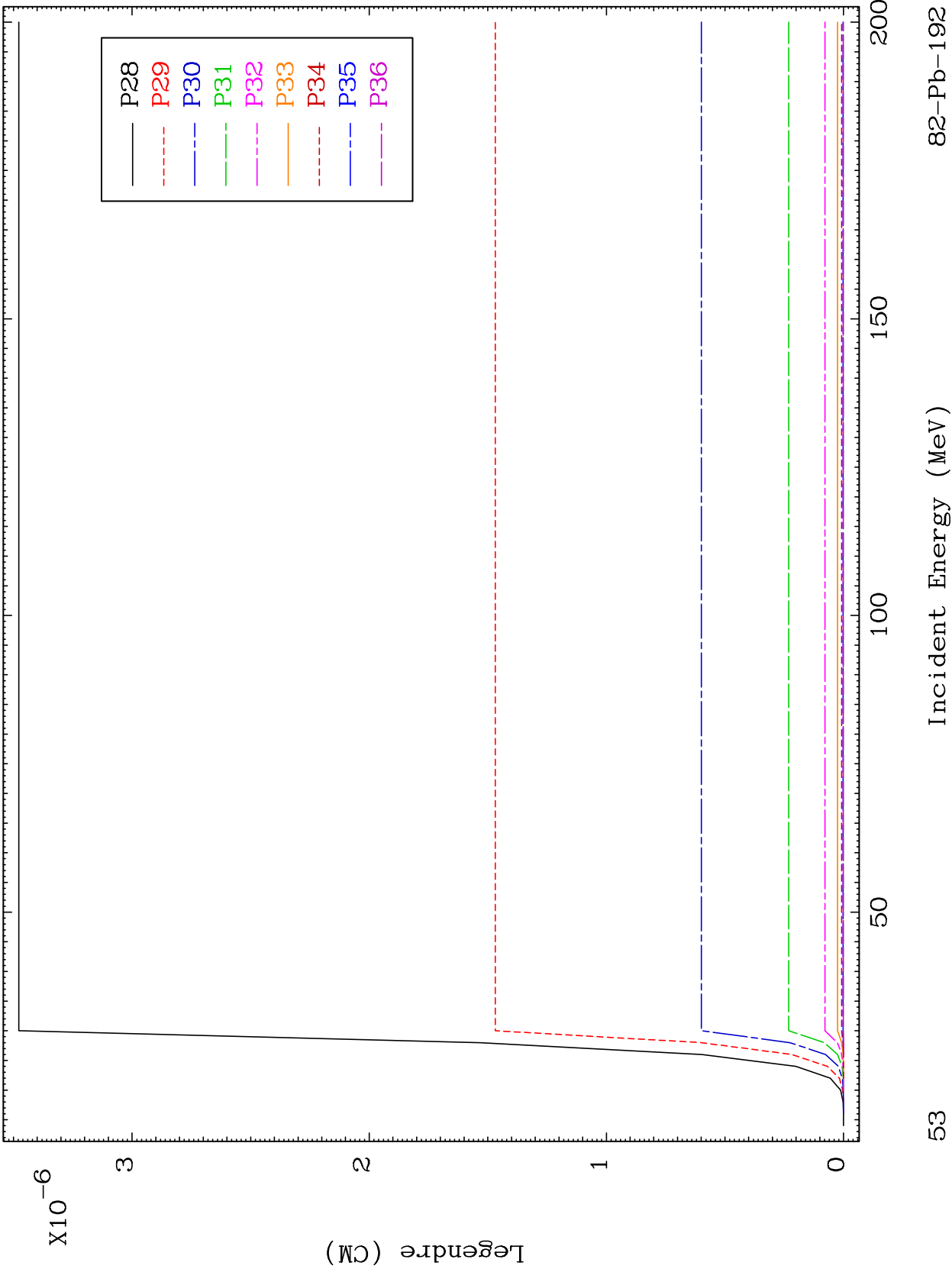
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82-Pb-192

MAT 8189

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

82-Pb-192



53

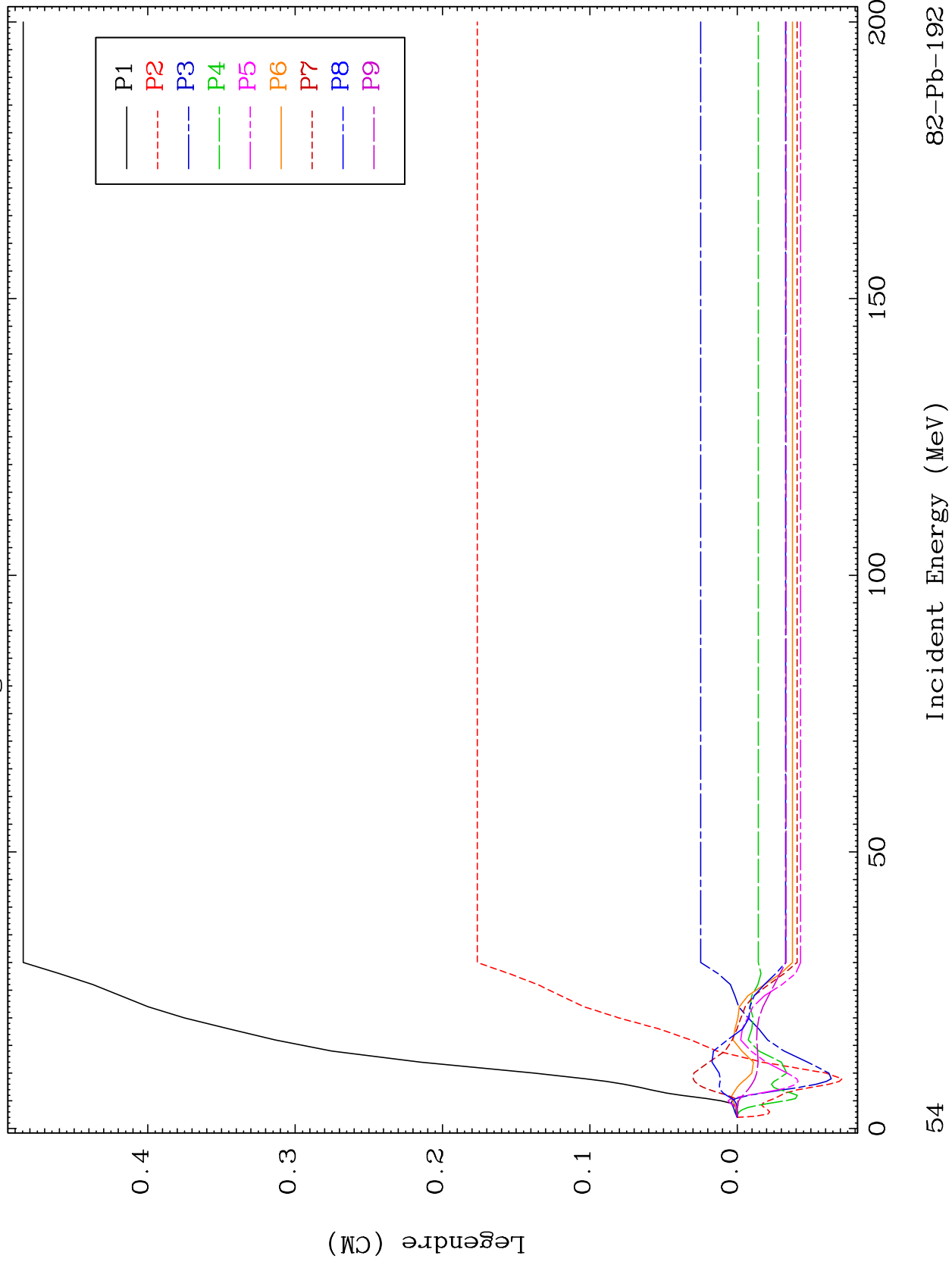
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



82-Pb-192

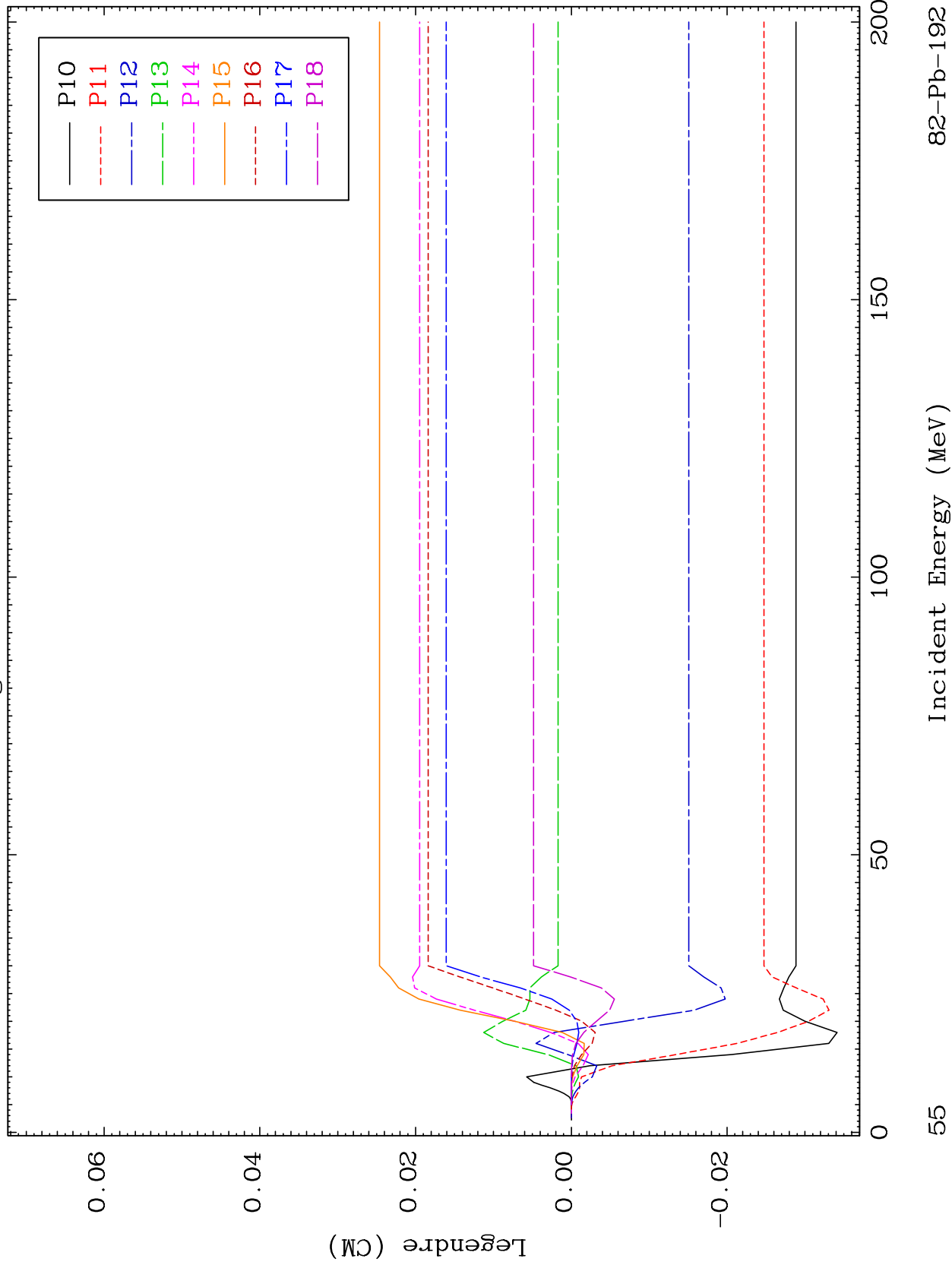
Incident Energy (MeV)

54

MAT 8189

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

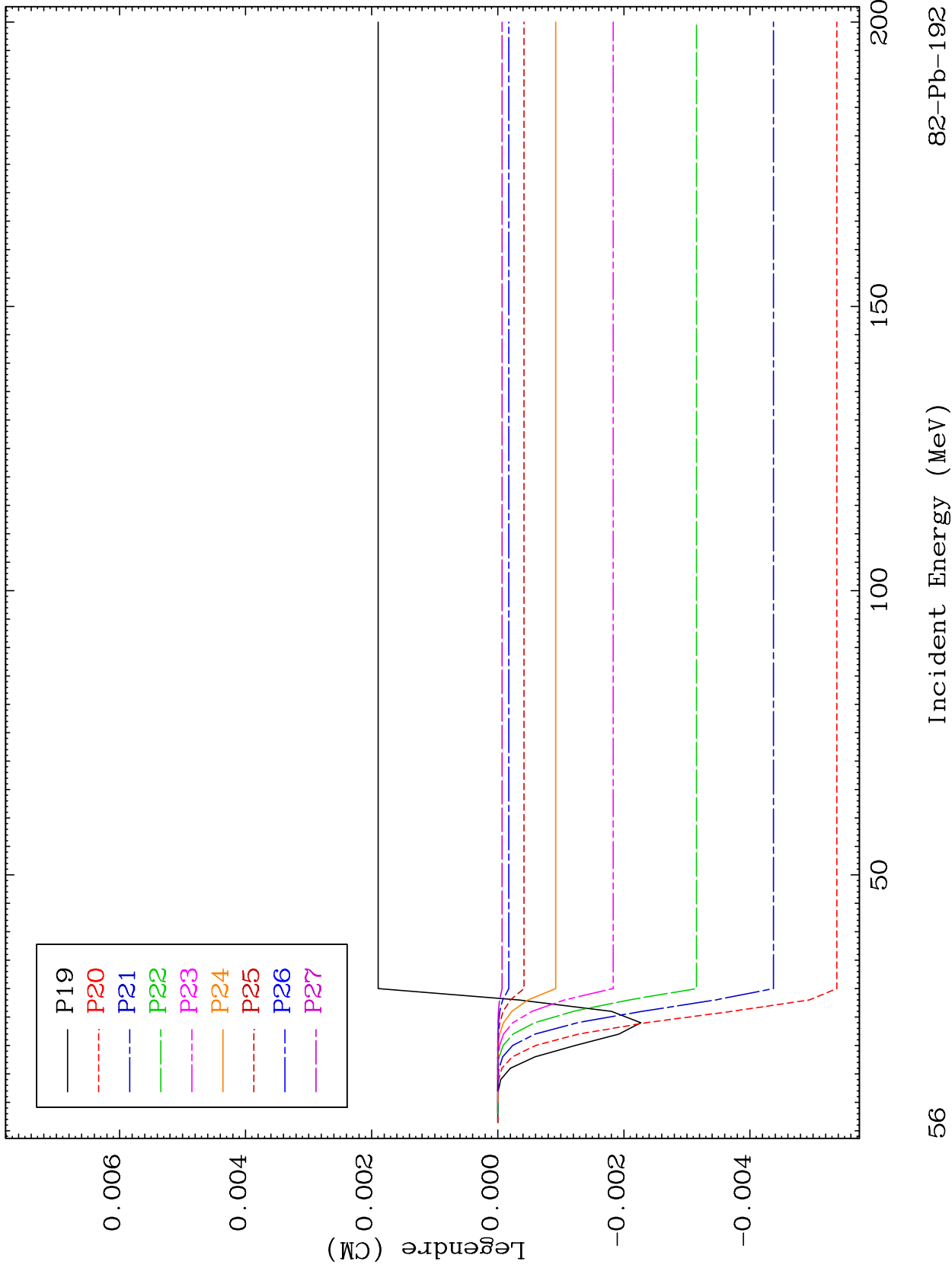
82-Pb-192



82-Pb-192

Incident Energy (MeV)

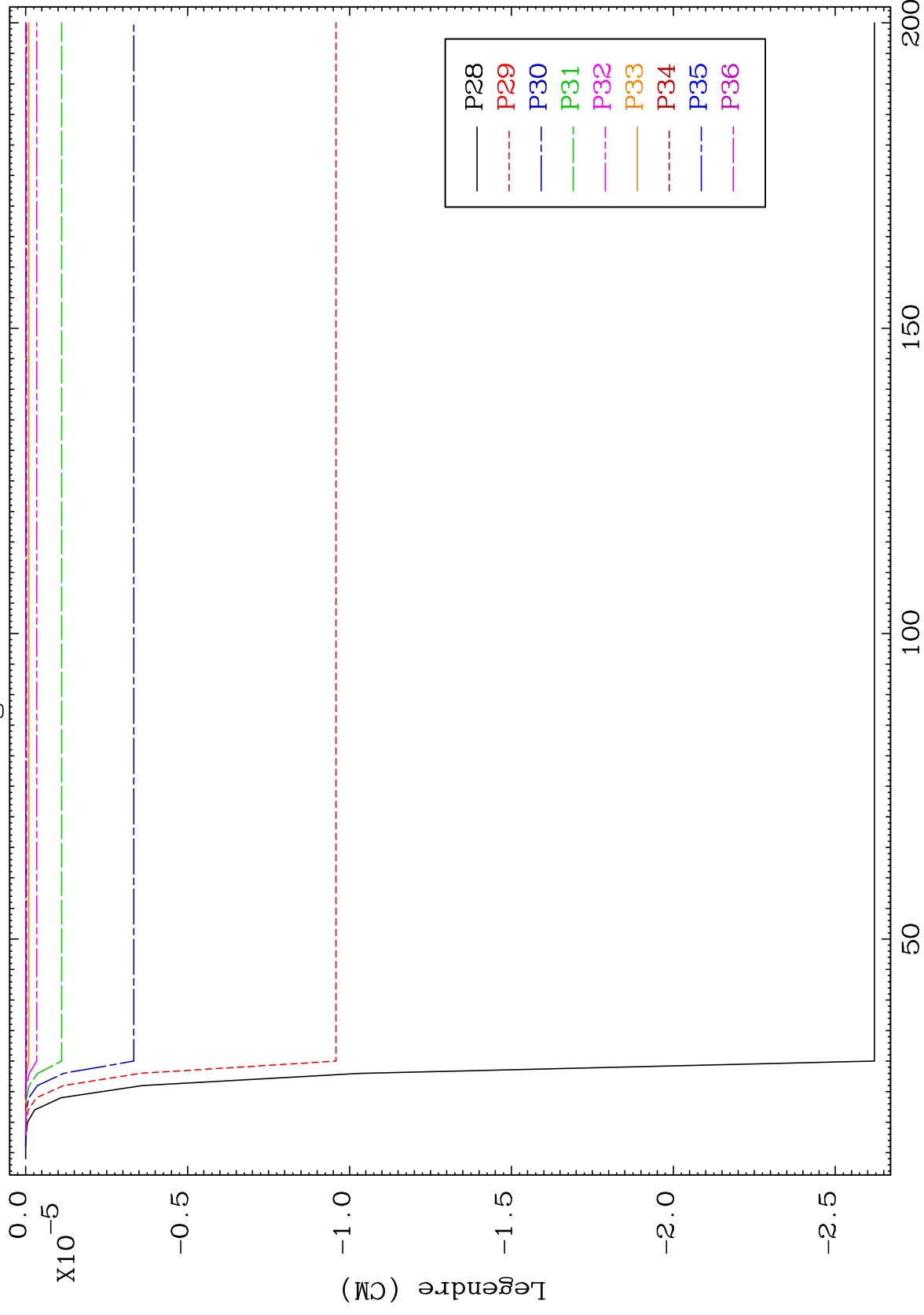
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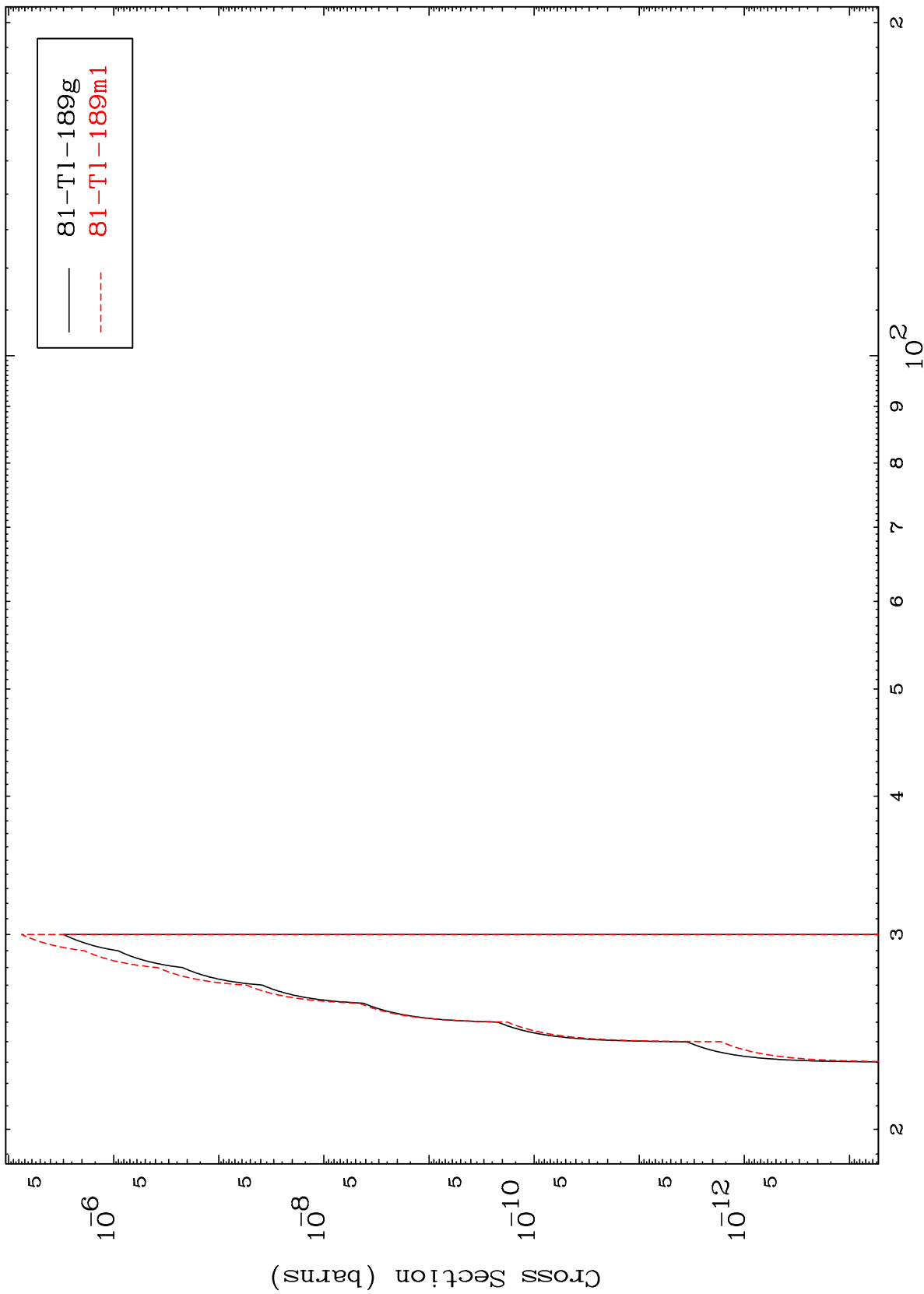
MAT 8189

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

82-Pb-192



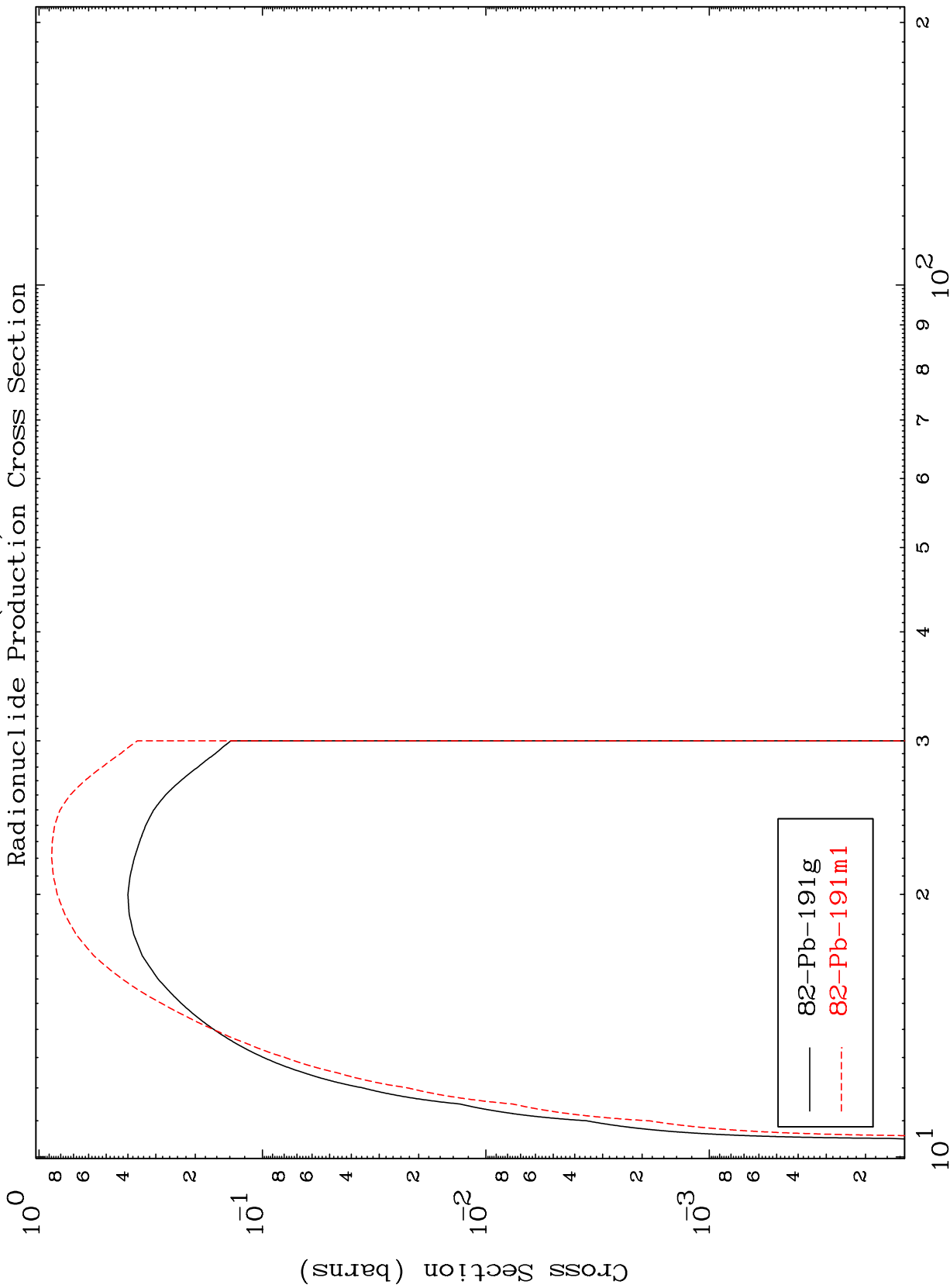
Radionuclide Production Cross Section



MAT 8189

82-Pb-192

(n,2n)
Radionuclide Production Cross Section



82-Pb-192

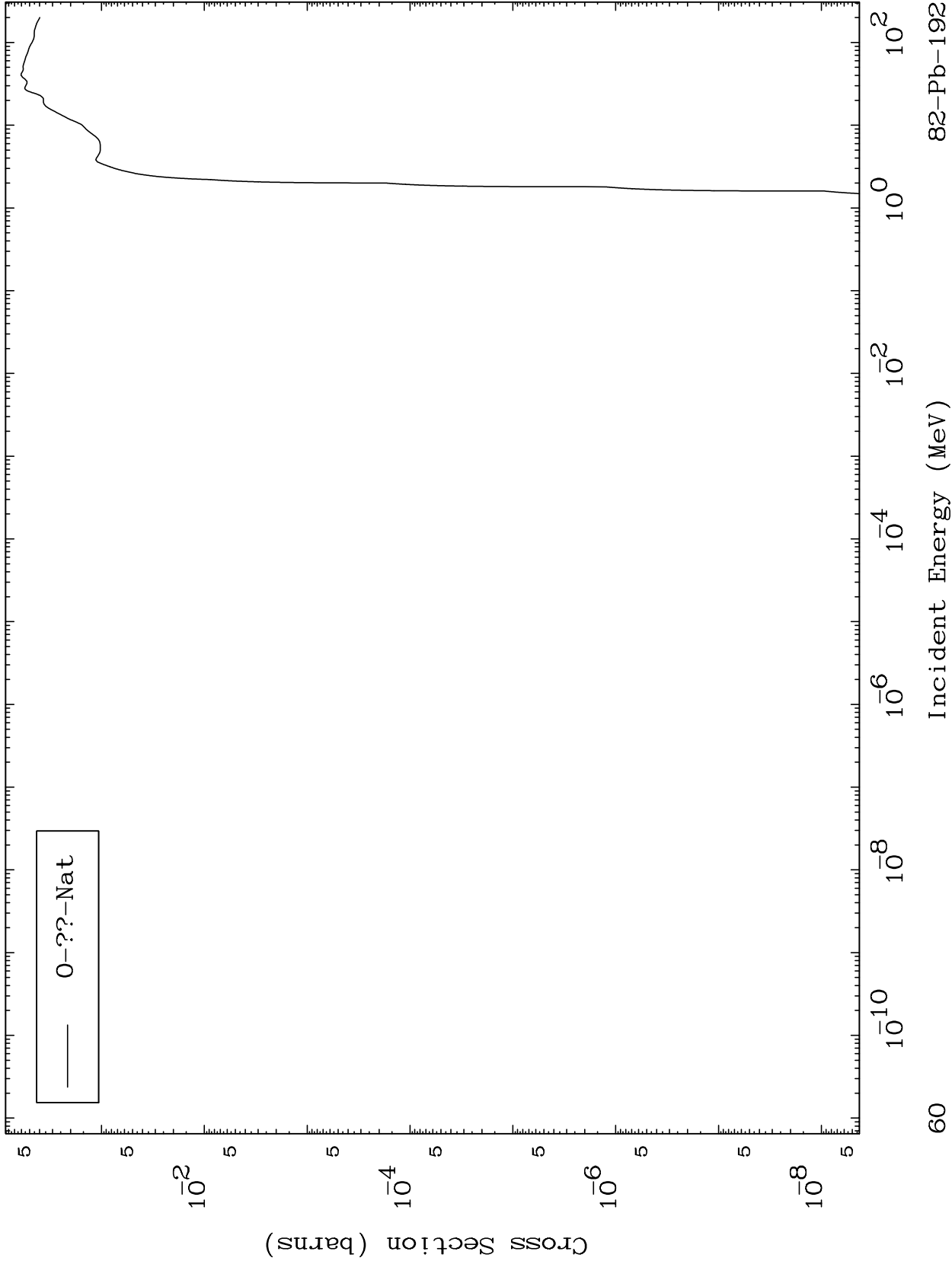
Incident Energy (MeV)

59

MAT 8189

Fission
Radionuclide Production Cross Section

82-Pb-192



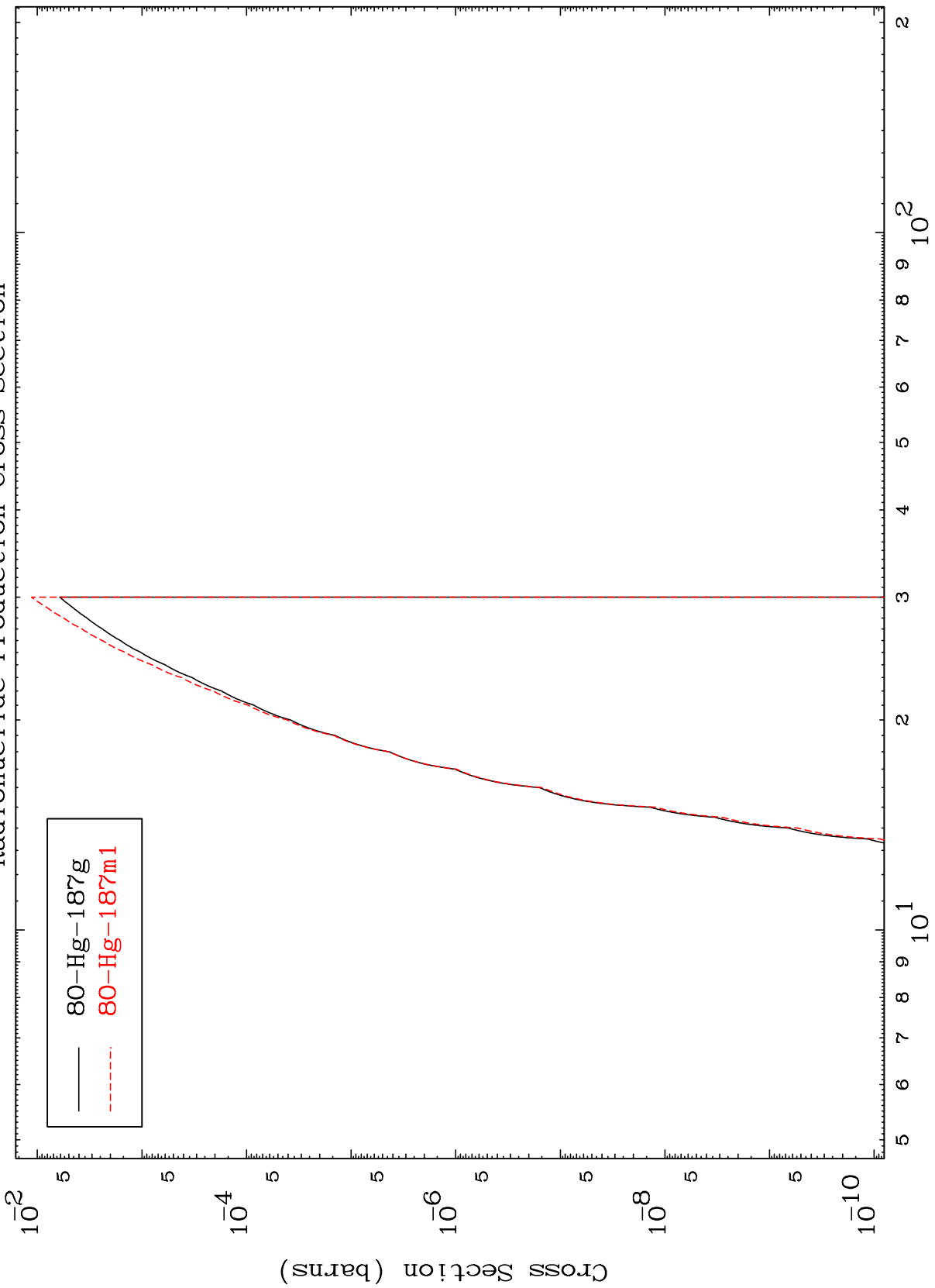
82-Pb-192

MAT 8189

(n,2n) α

82-Pb-192

Radionuclide Production Cross Section



61

Incident Energy (MeV)

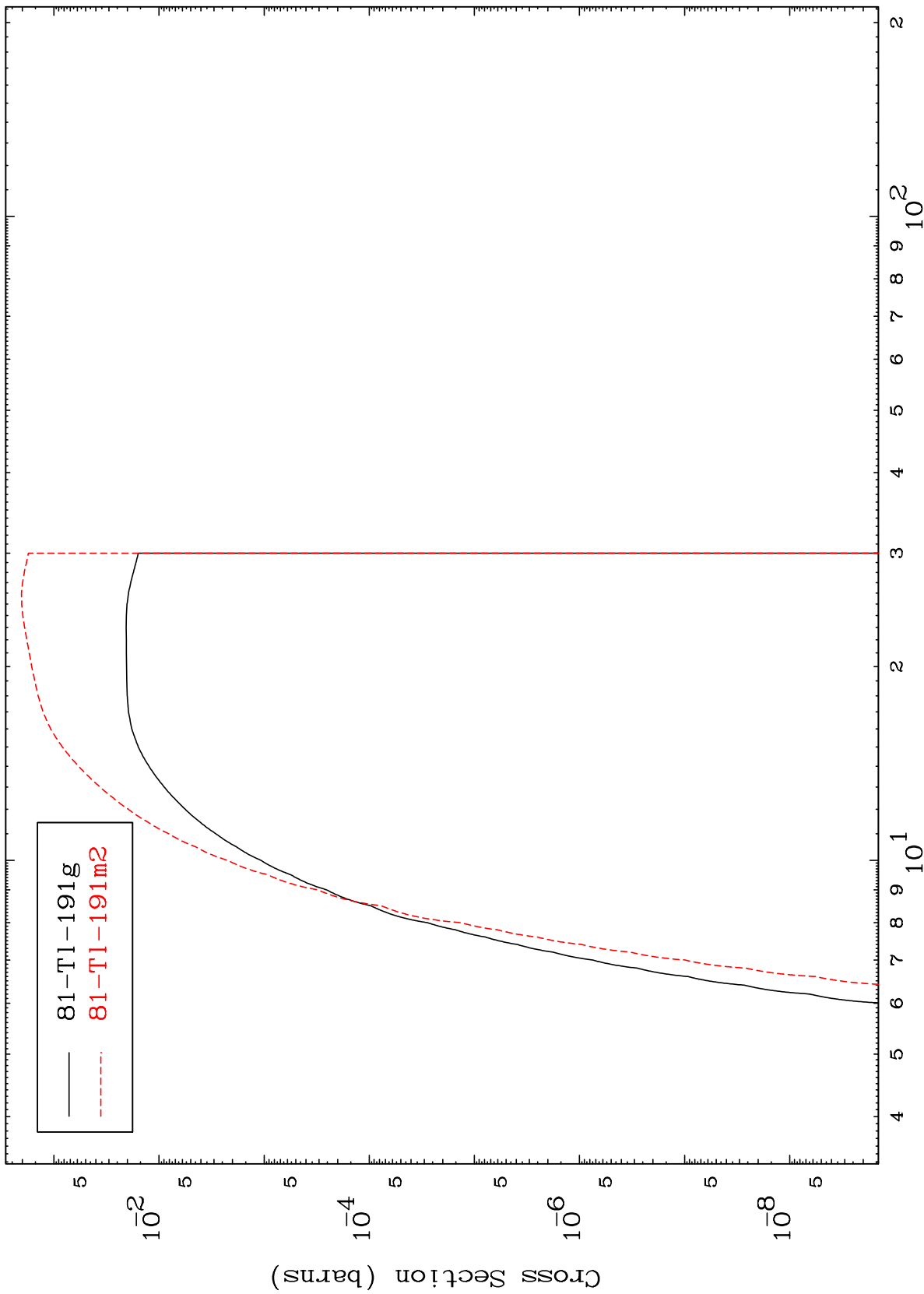
82-Pb-192

MAT 8189

(n,n') p

82-Pb-192

Radionuclide Production Cross Section



62

Incident Energy (MeV)

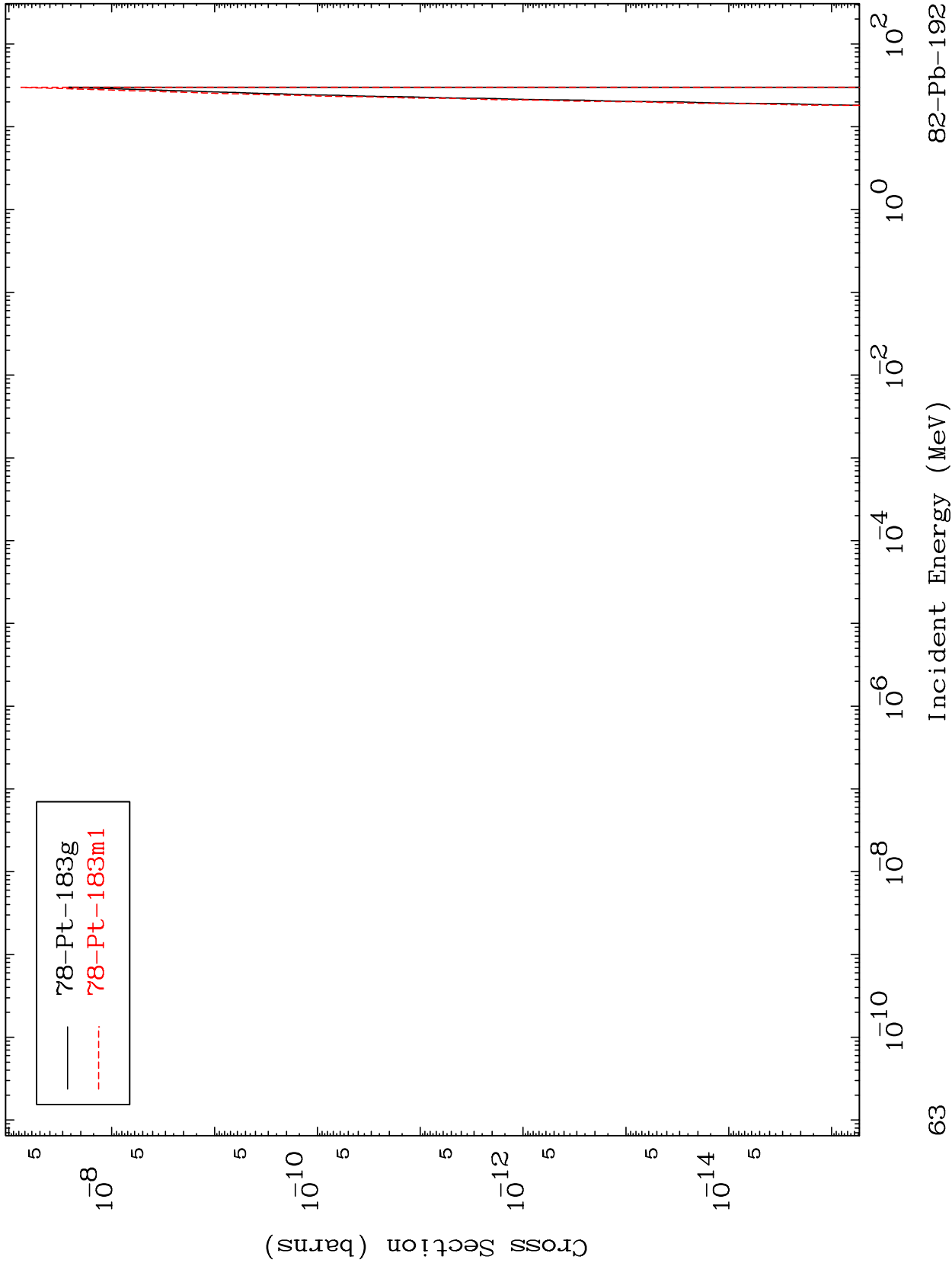
82-Pb-192

MAT 8189

(n,2n) 2α

82-Pb-192

Radionuclide Production Cross Section



63

Incident Energy (MeV)

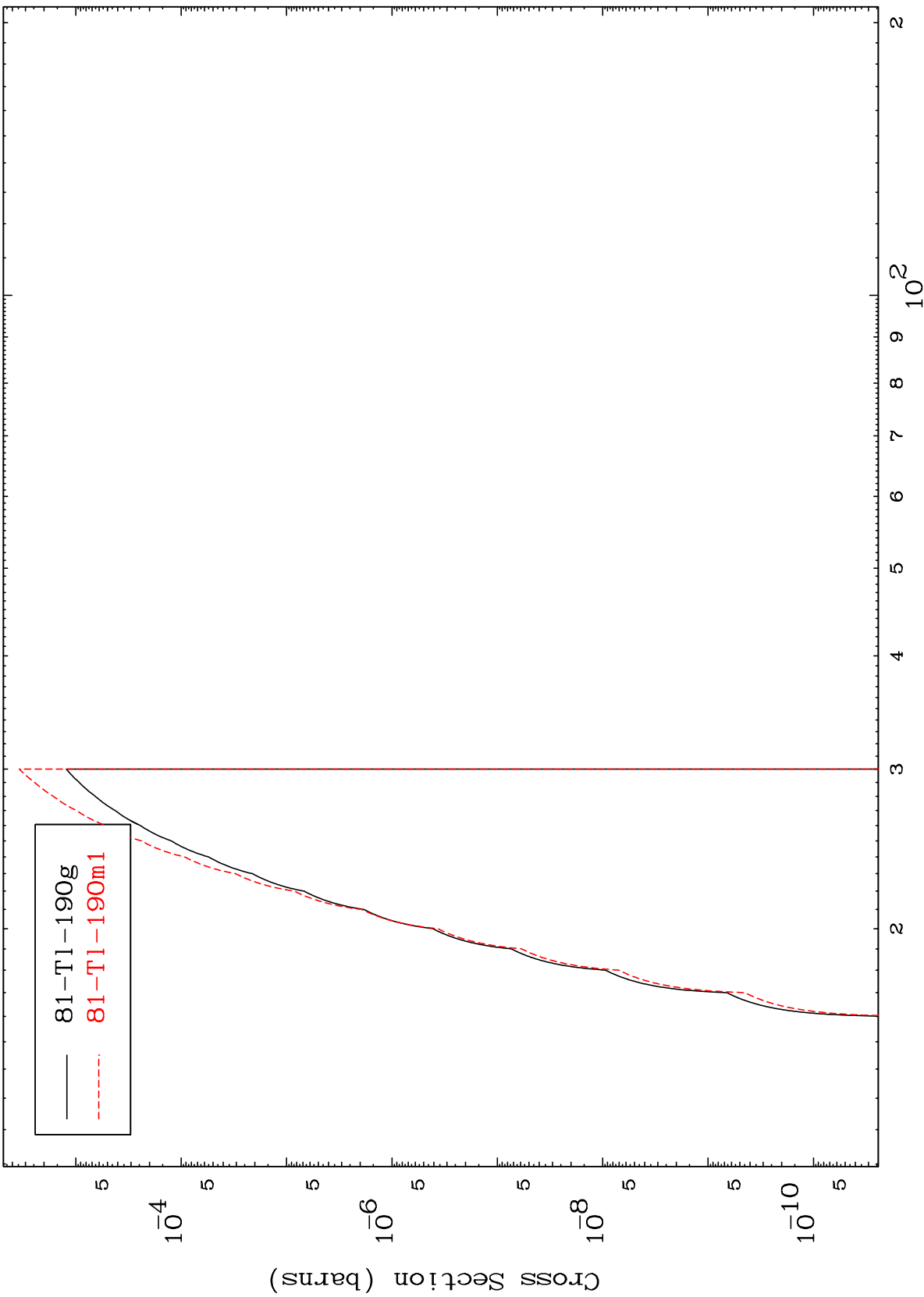
82-Pb-192

MAT 8189

(n,n') d

82-Pb-192

Radionuclide Production Cross Section



64

Incident Energy (MeV)

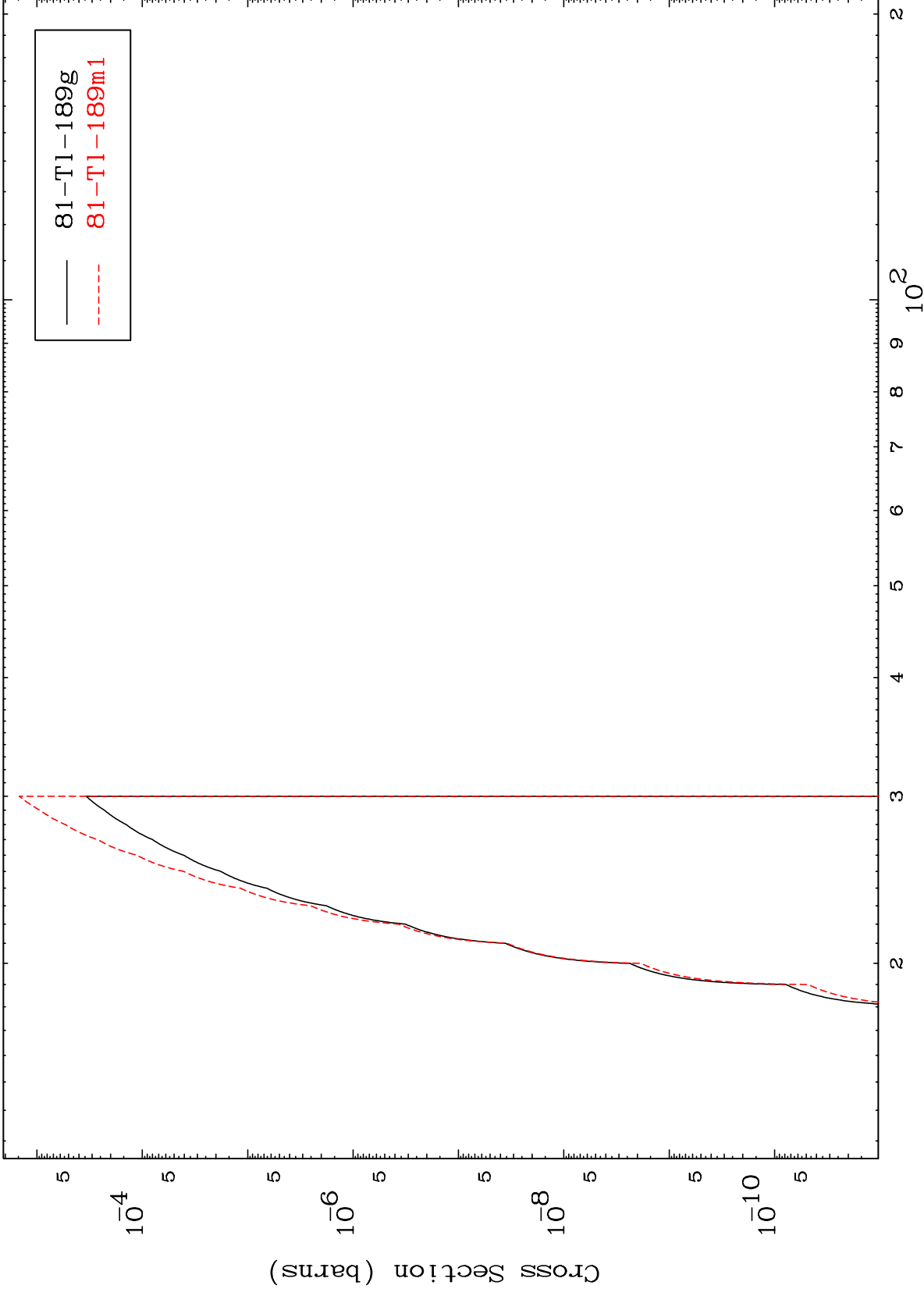
82-Pb-192

MAT 8189

(n,n') t

82-Pb-192

Radionuclide Production Cross Section



65

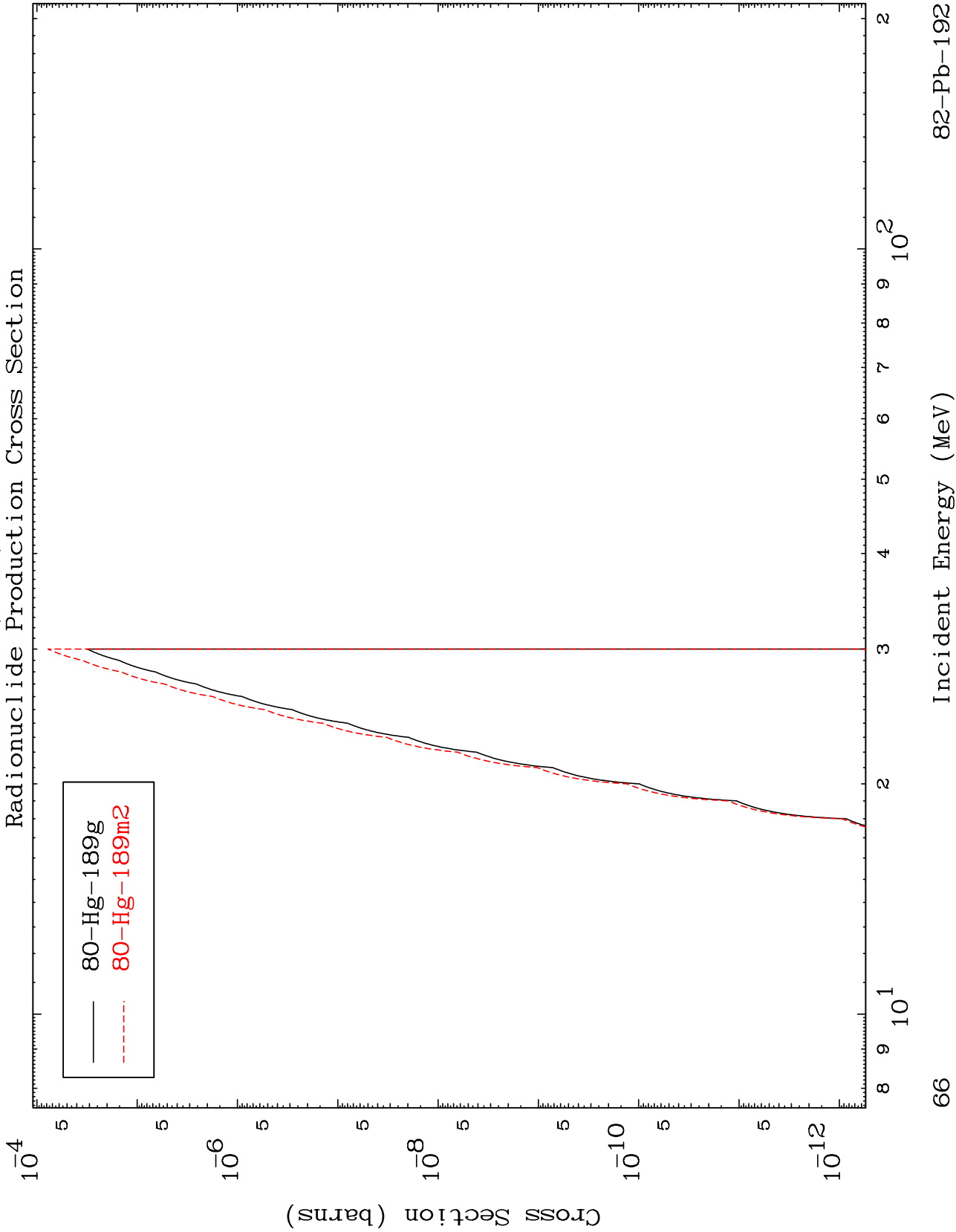
Incident Energy (MeV)

82-Pb-192

MAT 8189

(n,n') He-3

82-Pb-192



66

Incident Energy (MeV)

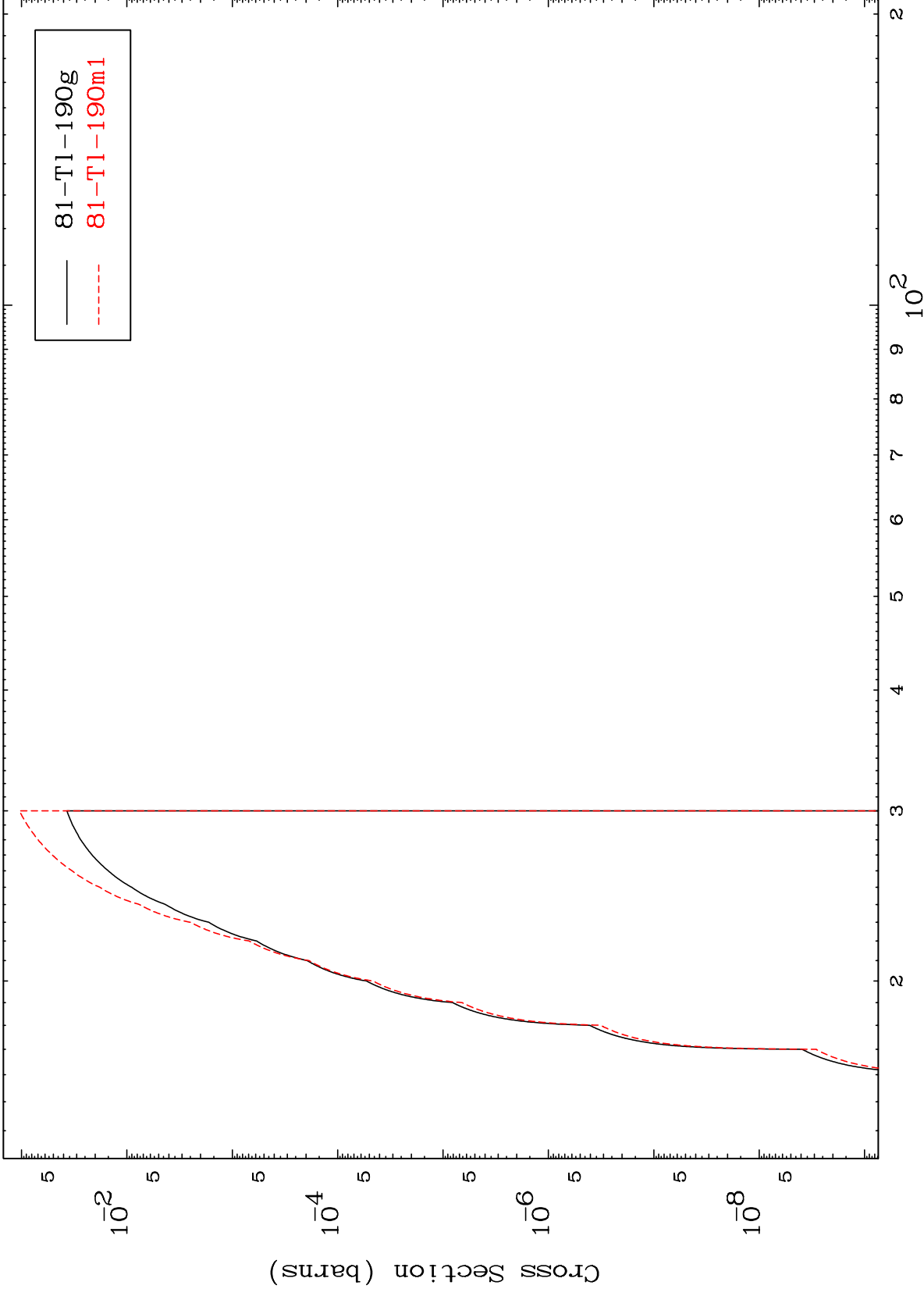
82-Pb-192

MAT 8189

(n,2n) p

82-Pb-192

Radionuclide Production Cross Section

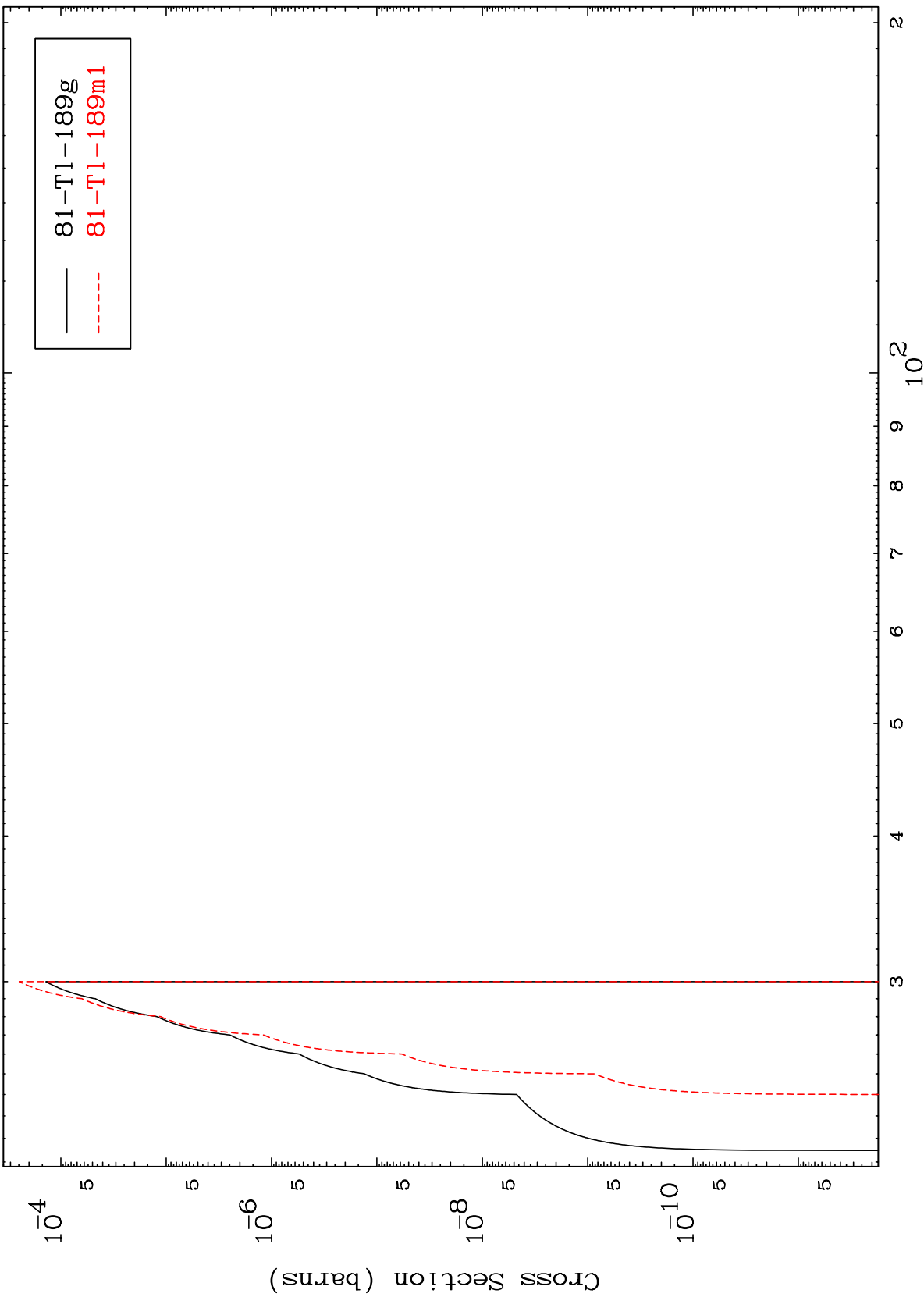


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Incident Energy (MeV)

82-Pb-192

Radionuclide Production Cross Section

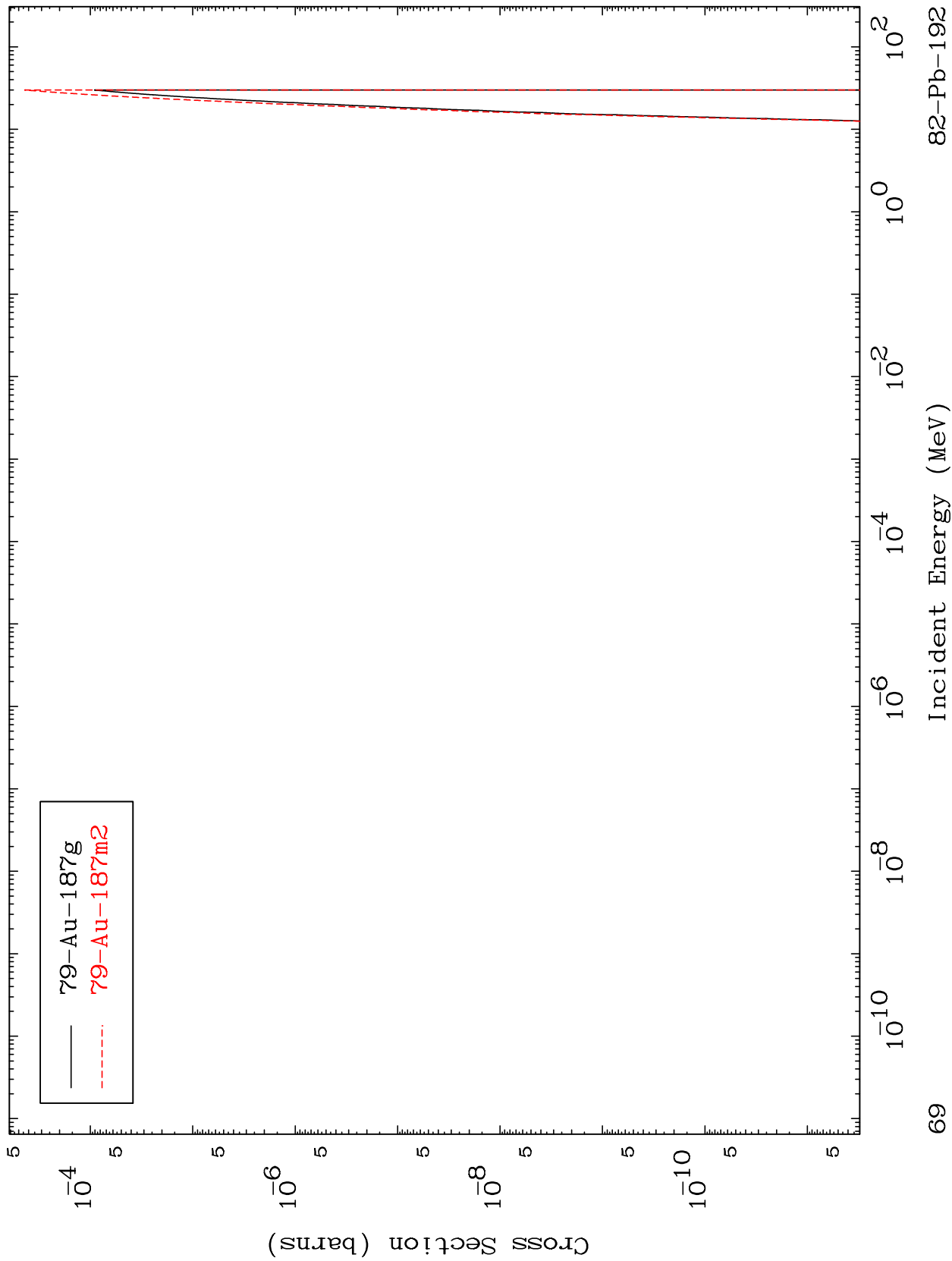


MAT 8189

(n,n') p α

82-Pb-192

Radionuclide Production Cross Section

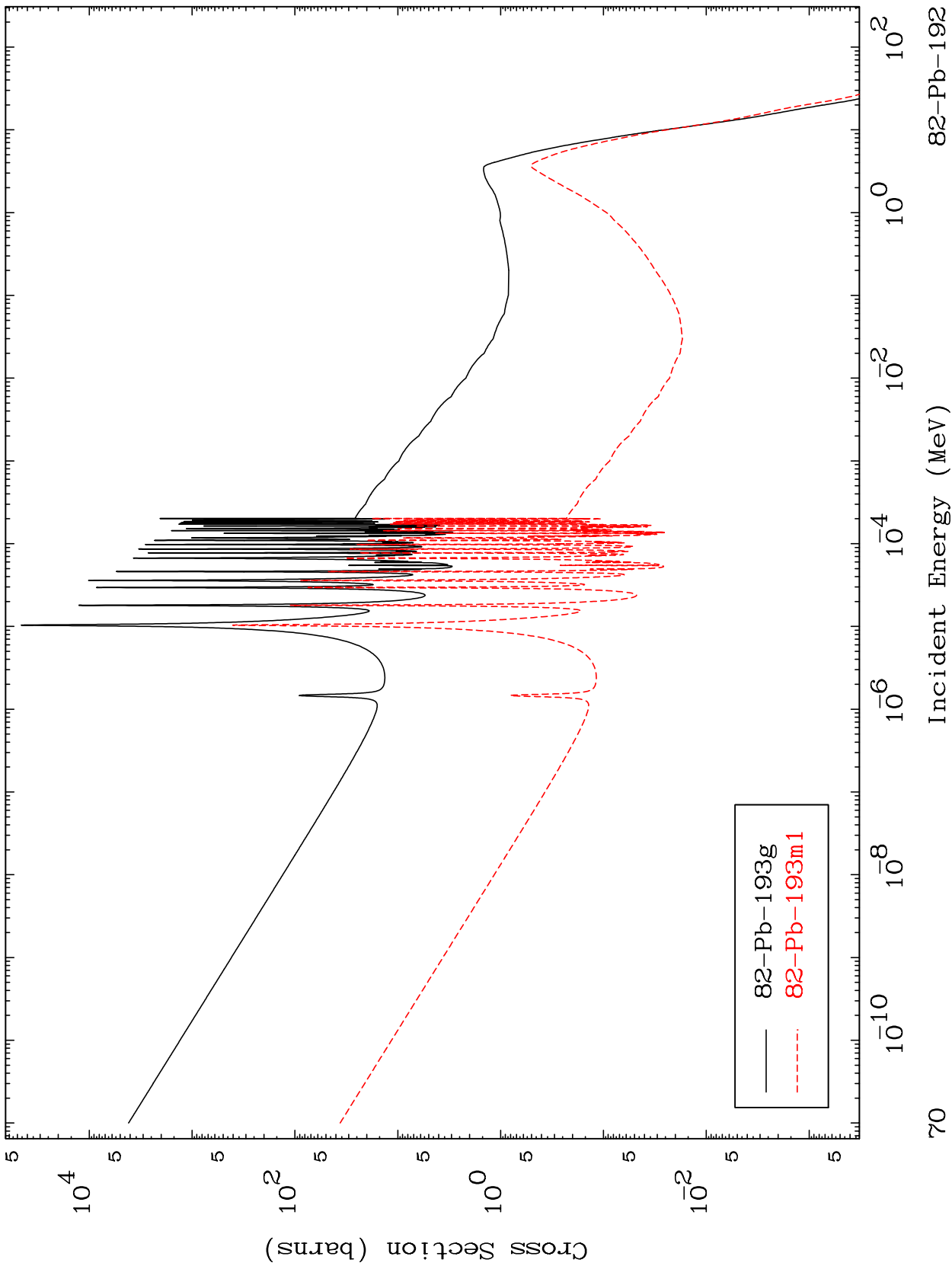


79-Au-187g
79-Au-187m2

MAT 8189

82-Pb-192

(n, γ)
Radionuclide Production Cross Section



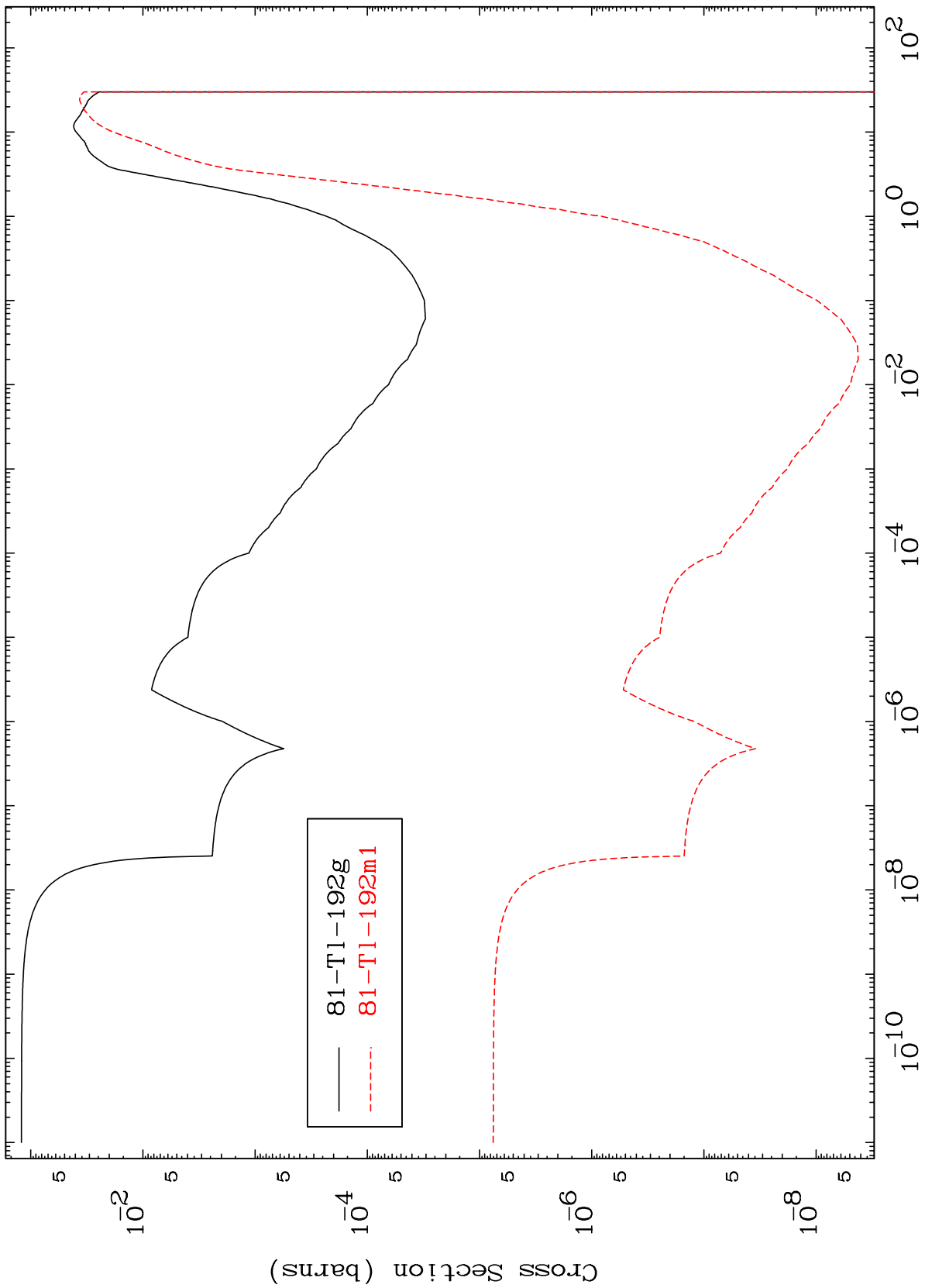
82-Pb-192

Incident Energy (MeV)

MAT 8189

82-Pb-192

(n,p)
Radionuclide Production Cross Section



71

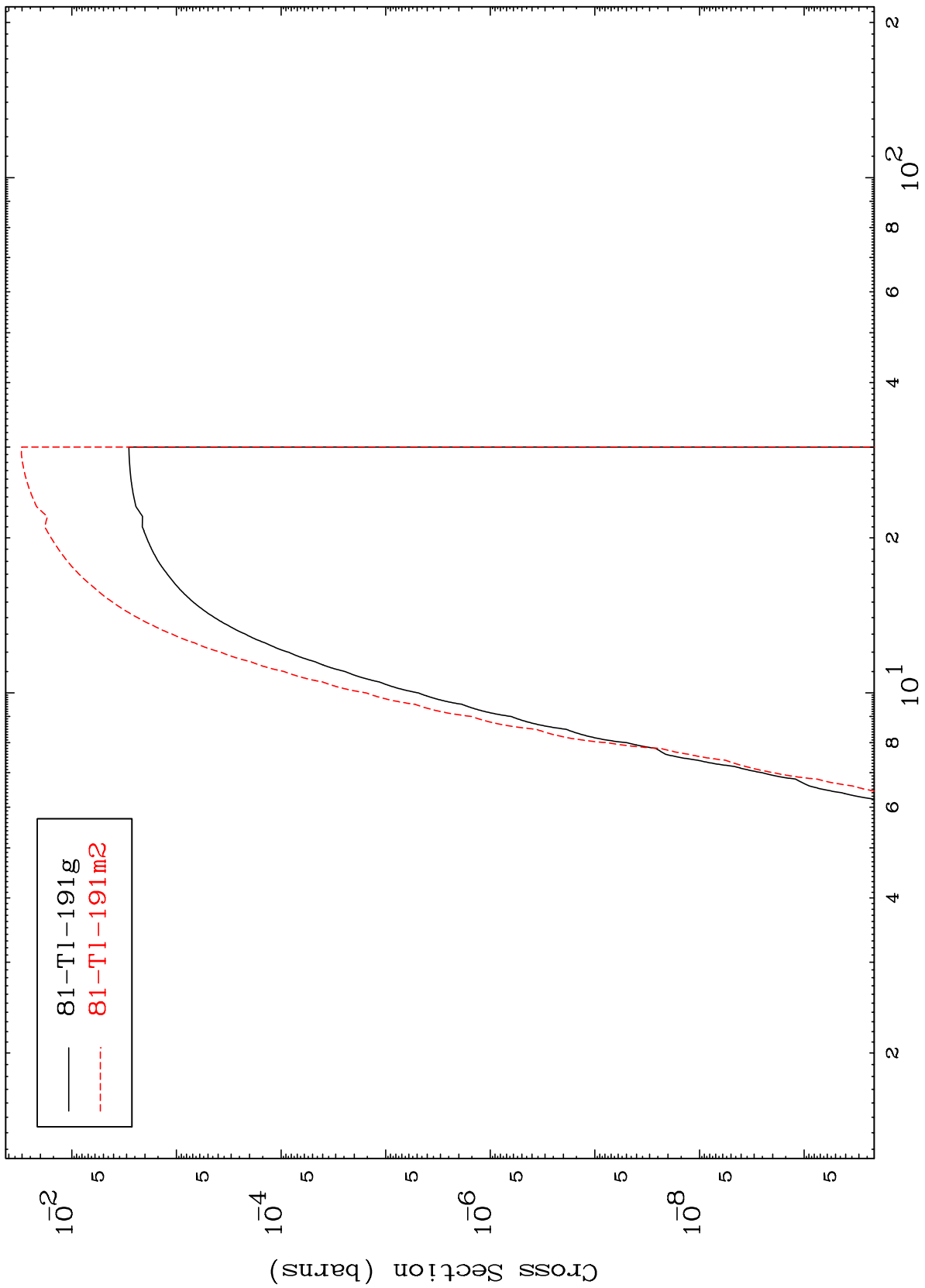
82-Pb-192

Incident Energy (MeV)

MAT 8189

82-Pb-192

(n,d)
Radionuclide Production Cross Section



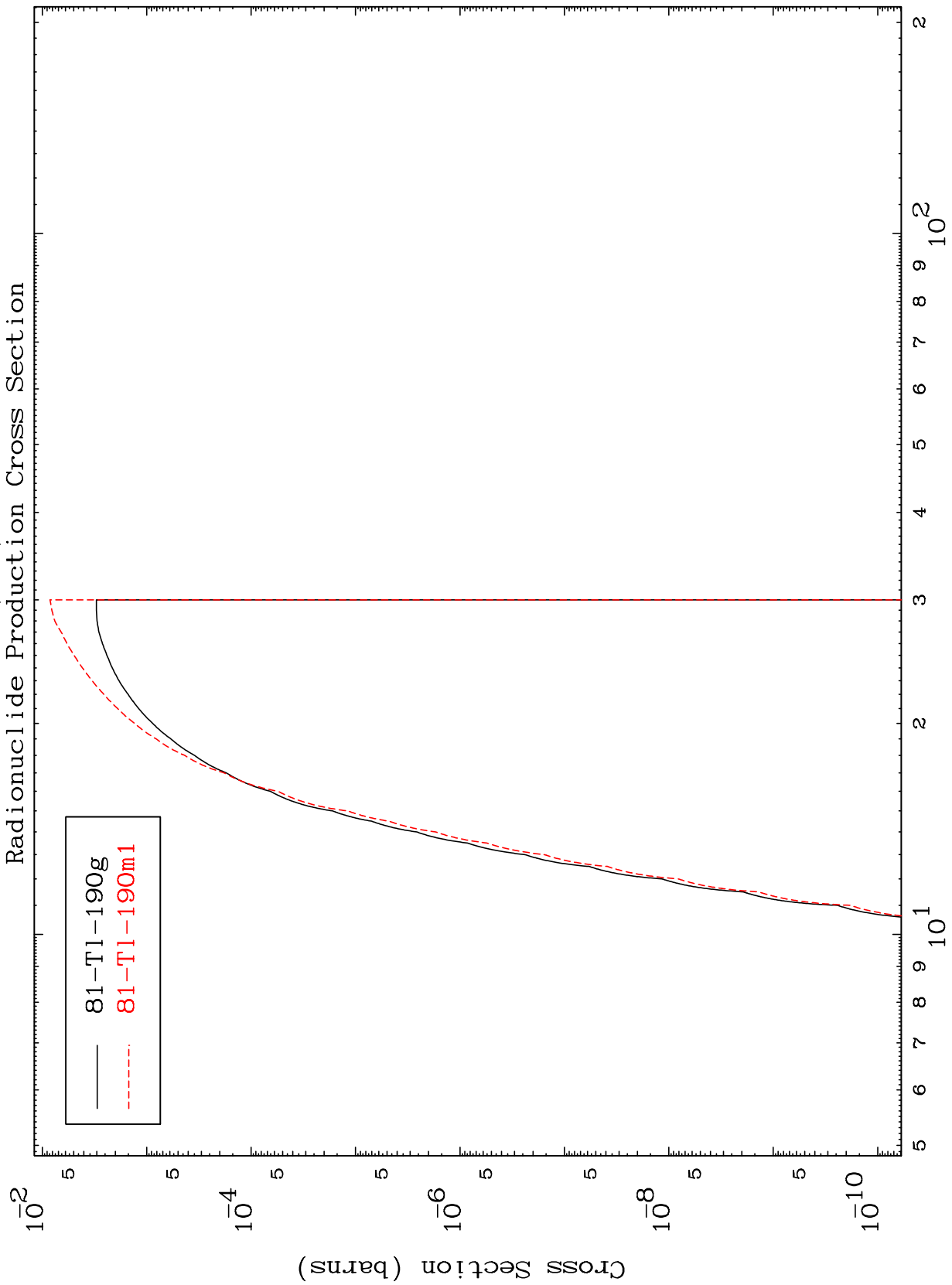
72

82-Pb-192

Incident Energy (MeV)

MAT 8189

82-Pb-192



73

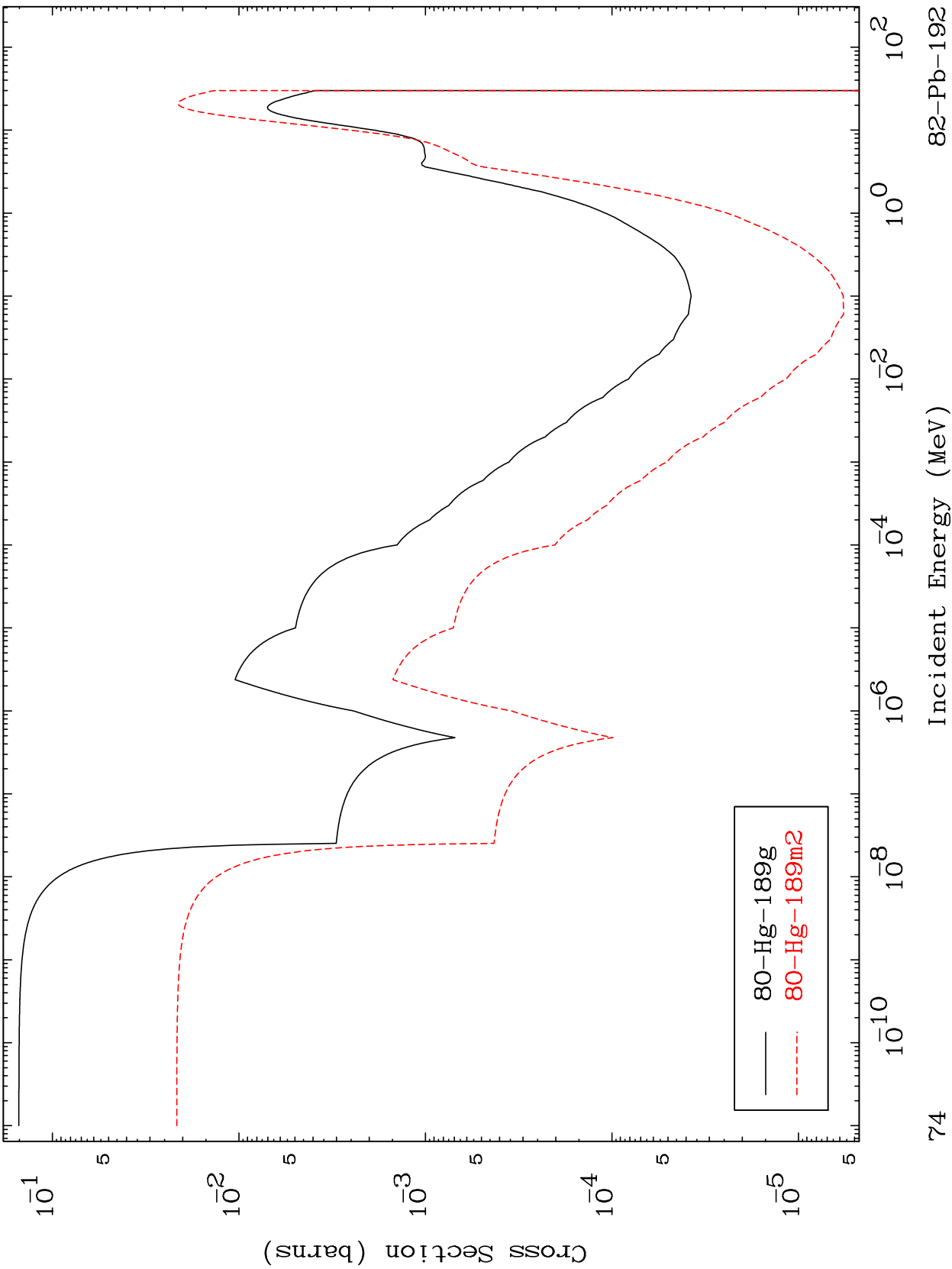
Incident Energy (MeV)

82-Pb-192

MAT 8189

82-Pb-192

Radionuclide Production Cross Section (n,α)

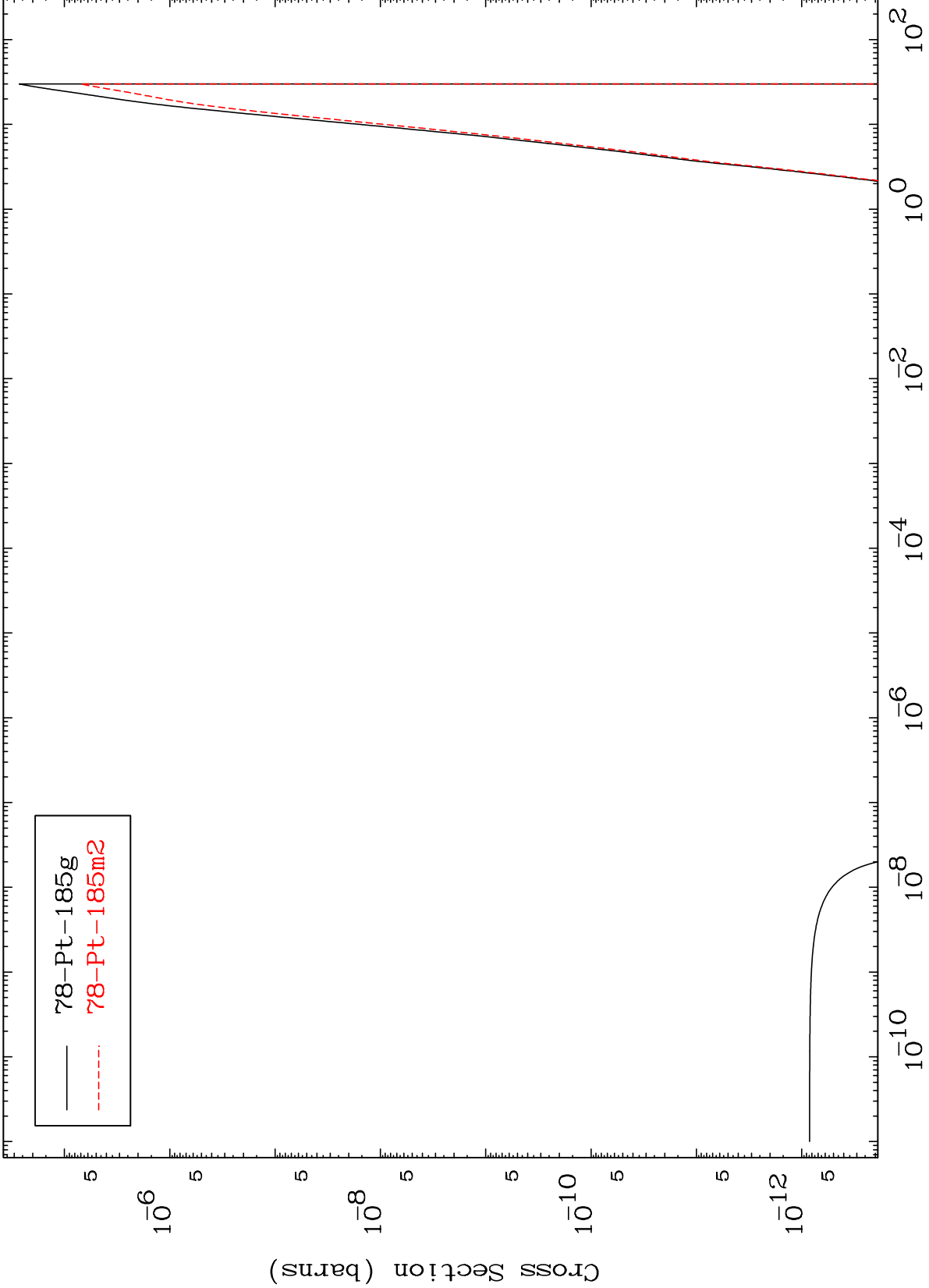
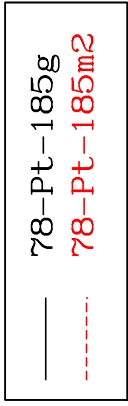


MAT 8189

(n,2α)

82-Pb-192

Radionuclide Production Cross Section



75

Incident Energy (MeV)

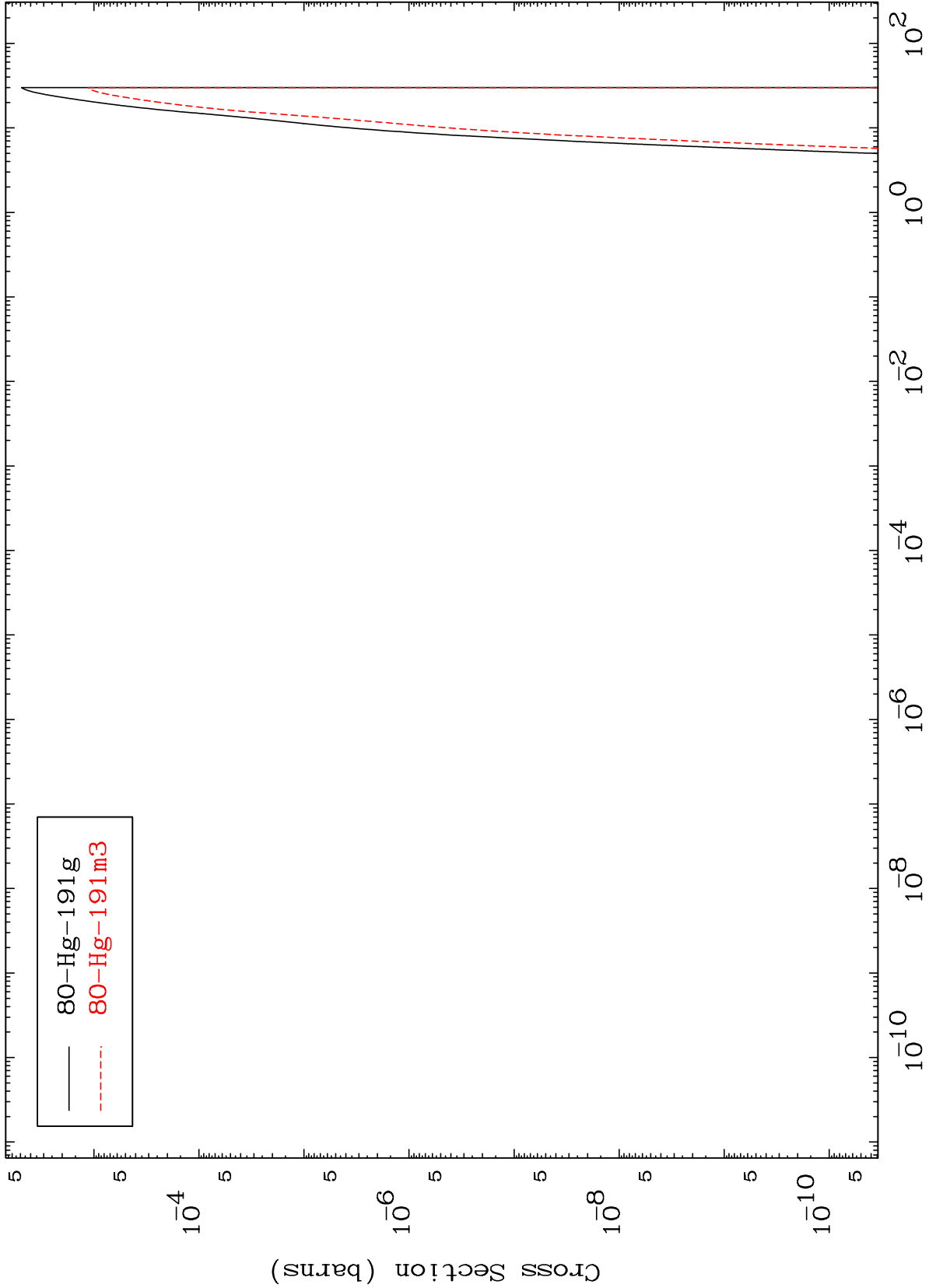
82-Pb-192

MAT 8189

(n,2p)

82-Pb-192

Radionuclide Production Cross Section



80-Hg-191 g
80-Hg-191 m3

Incident Energy (MeV)

82-Pb-192

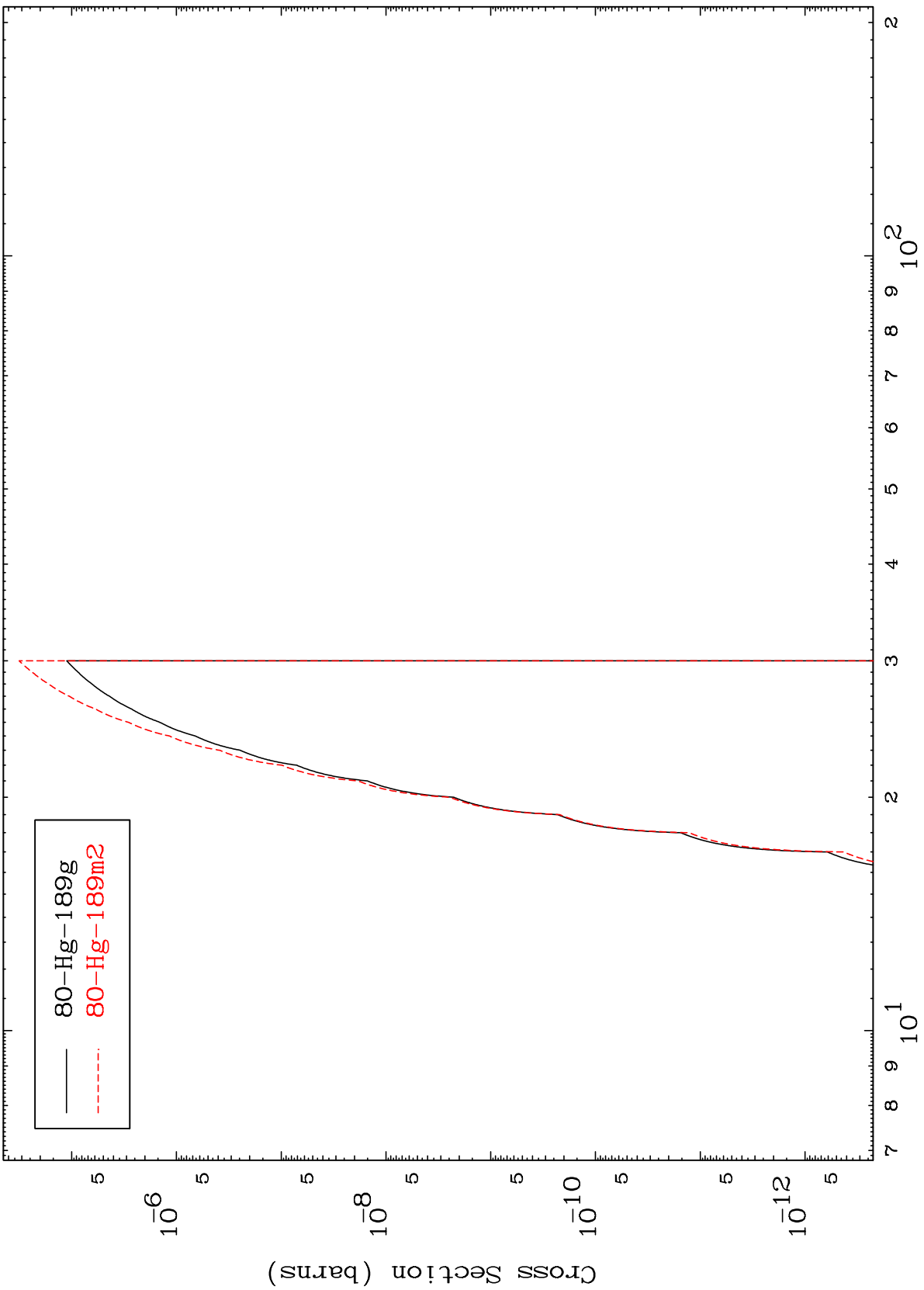
76

MAT 8189

(n,p) t

82-Pb-192

Radionuclide Production Cross Section



77

Incident Energy (MeV)

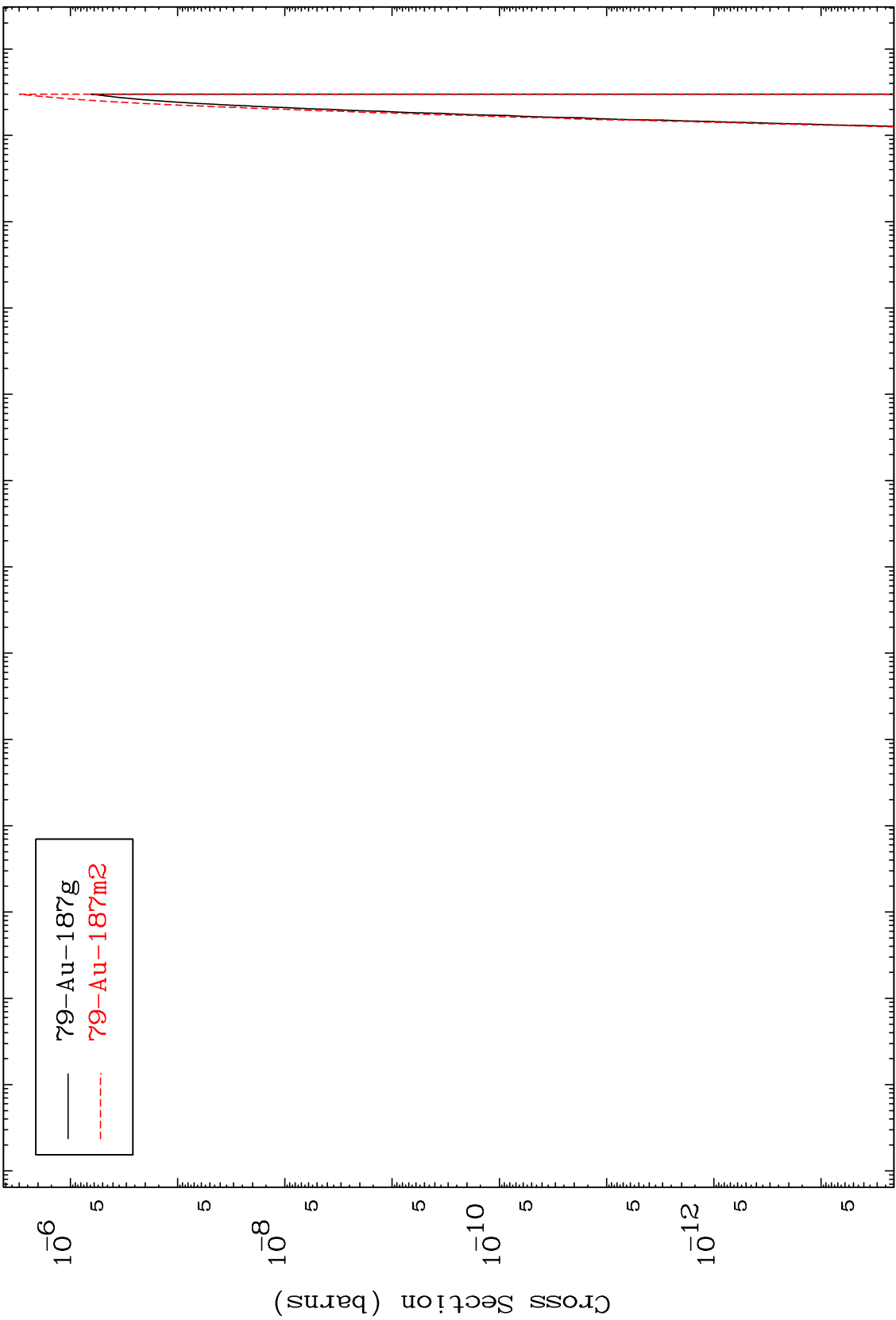
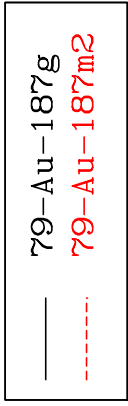
82-Pb-192

MAT 8189

(n,d) α

82-Pb-192

Radionuclide Production Cross Section



78

Incident Energy (MeV)

82-Pb-192