

Program EVALPLOT
(Version 2021-1)

by

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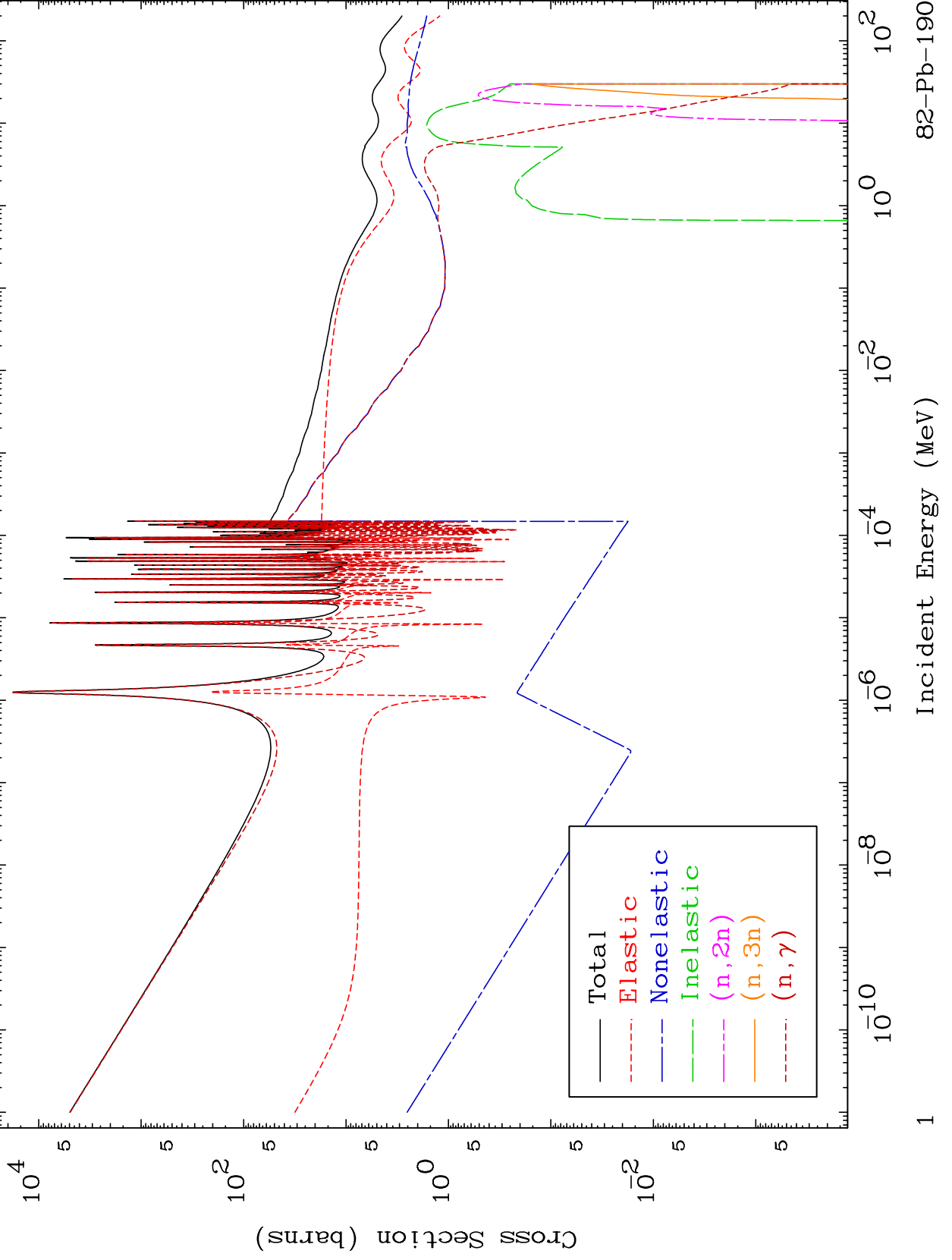
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8183

Neutron Major
293 Kelvin Cross Sections

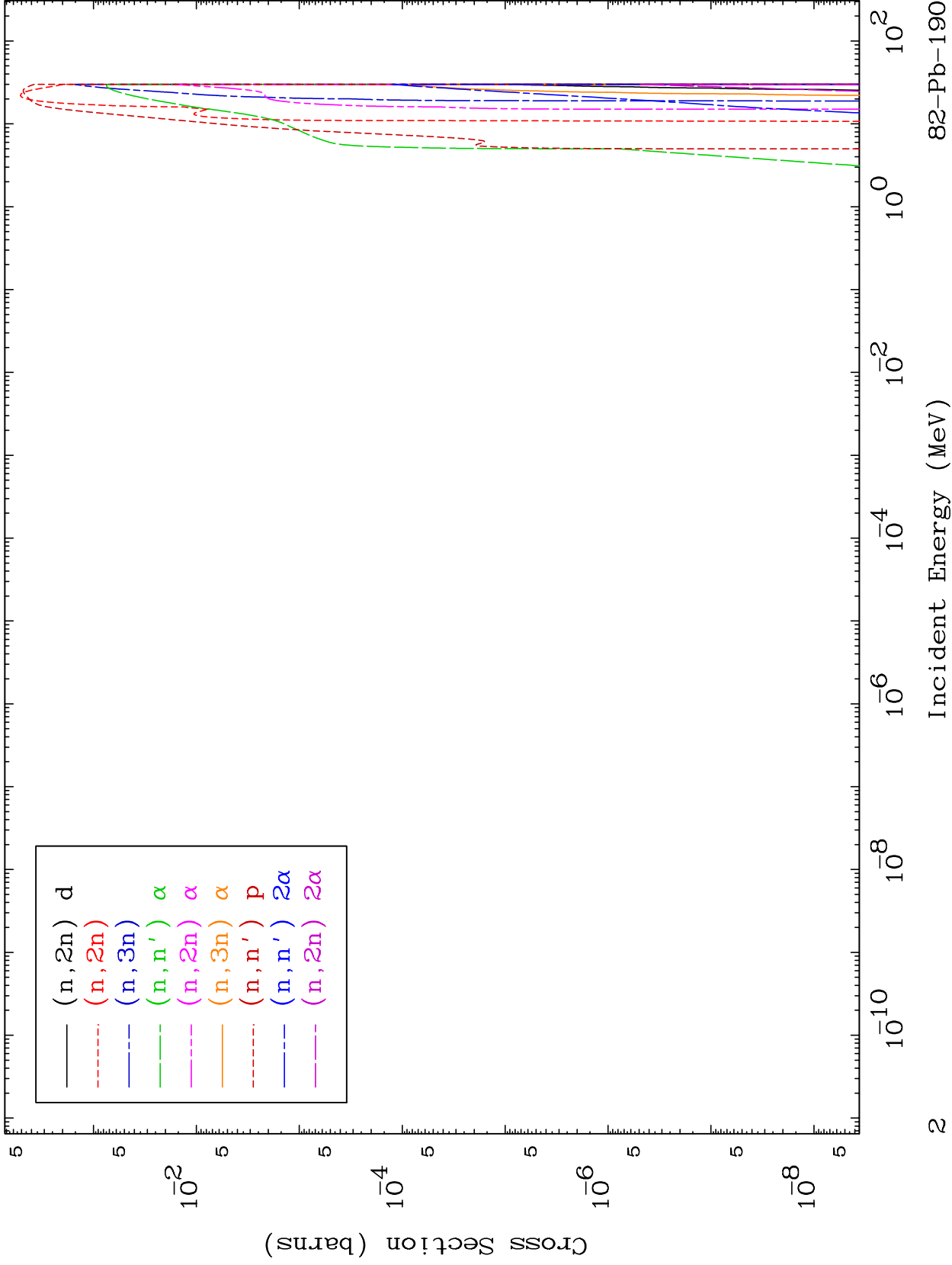
82-Pb-190



MAT 8183

Neutron Absorption
293 Kelvin Cross Sections

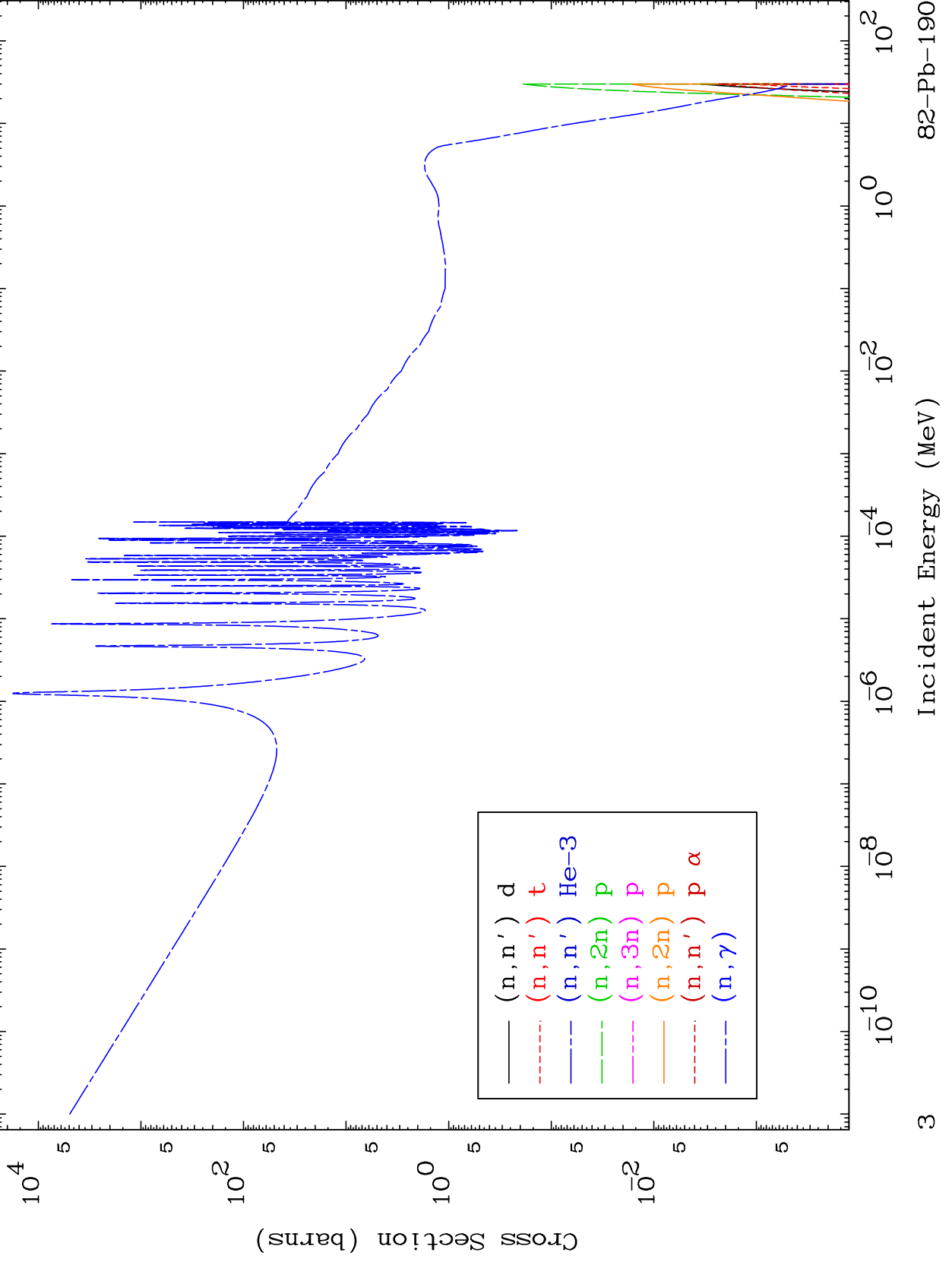
82-Pb-190



MAT 8183

Neutron Absorption
293 Kelvin Cross Sections

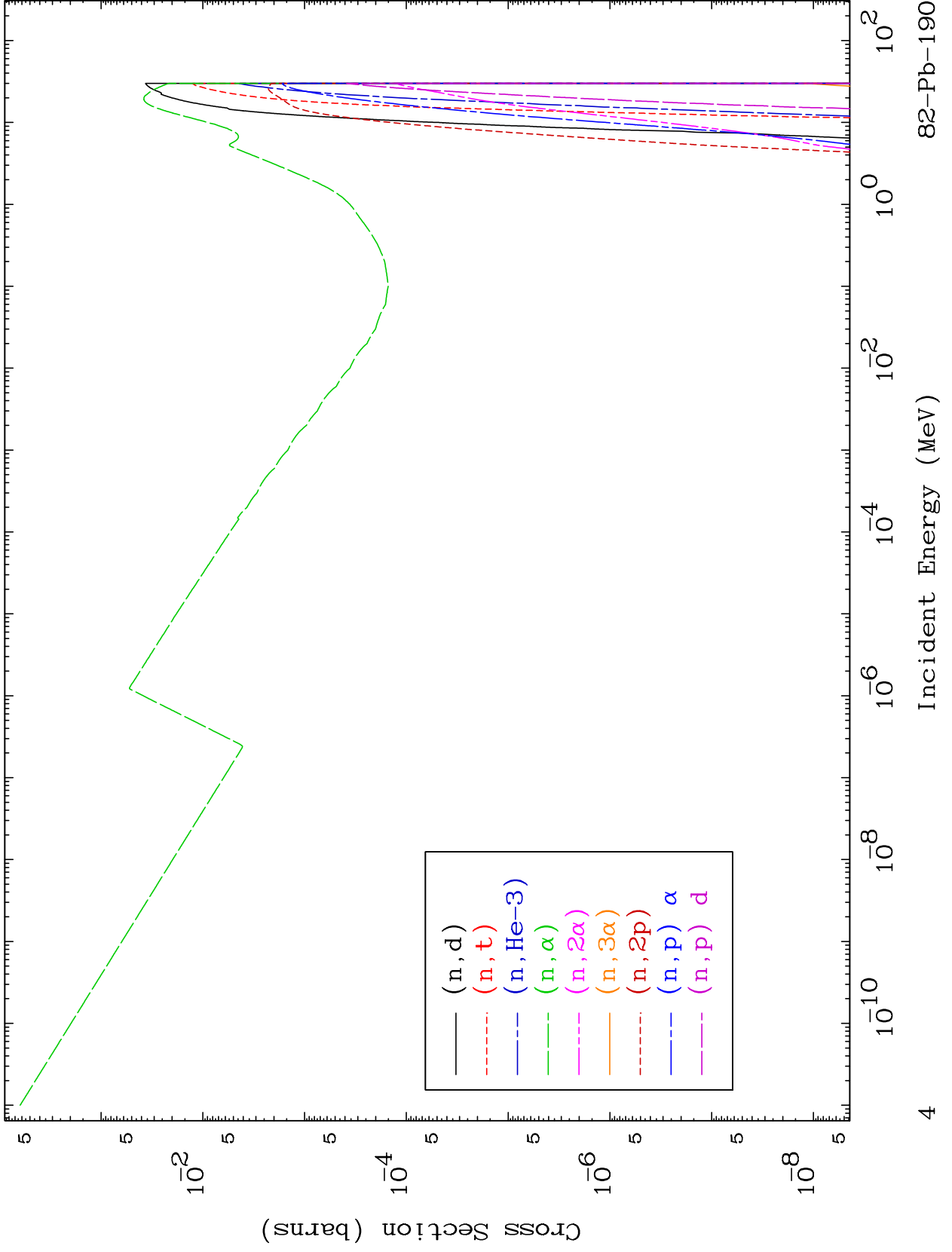
82-Pb-190



MAT 8183

Neutron Absorption
293 Kelvin Cross Sections

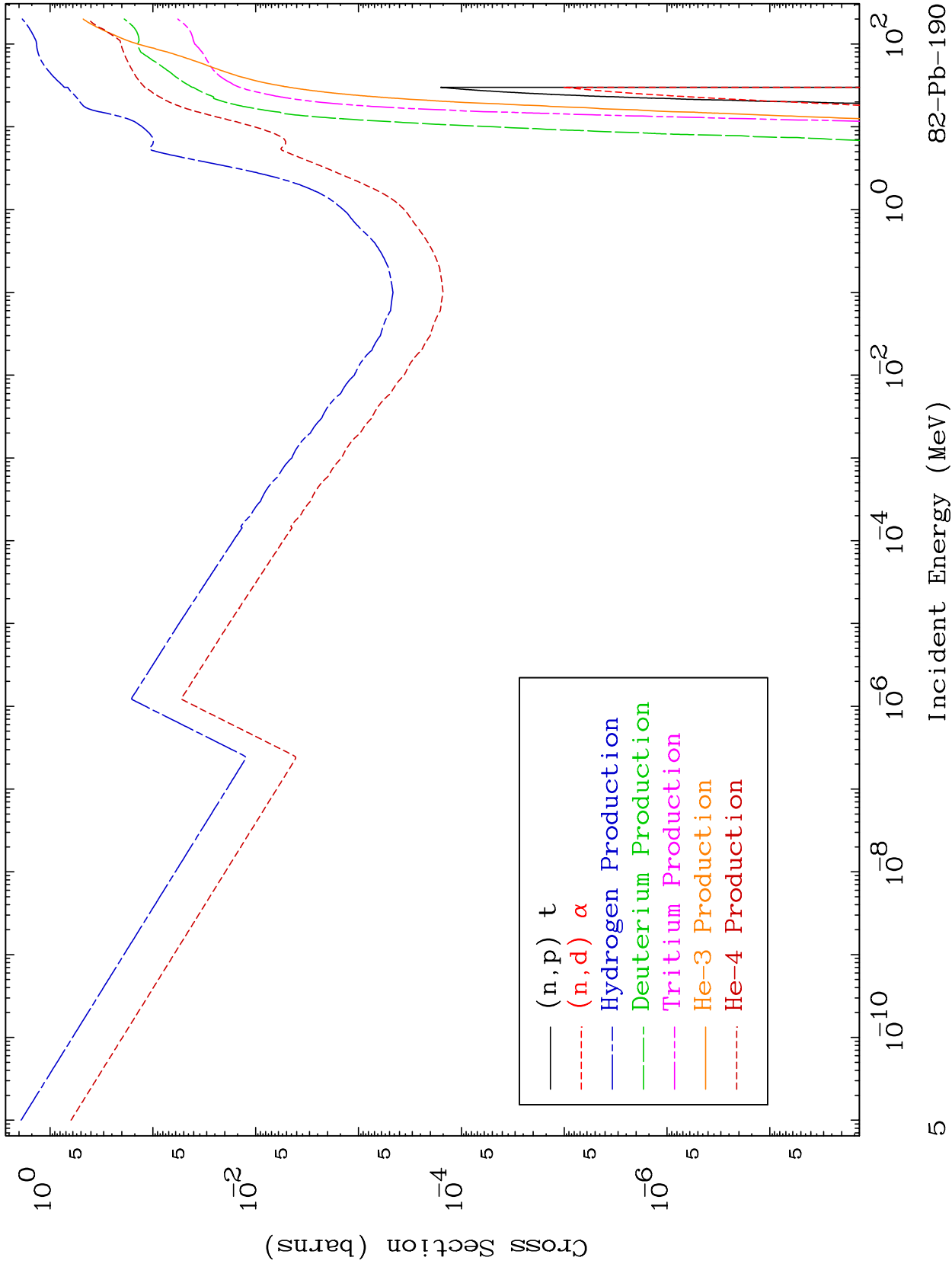
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MAT 8183

Neutron Absorption
293 Kelvin Cross Sections

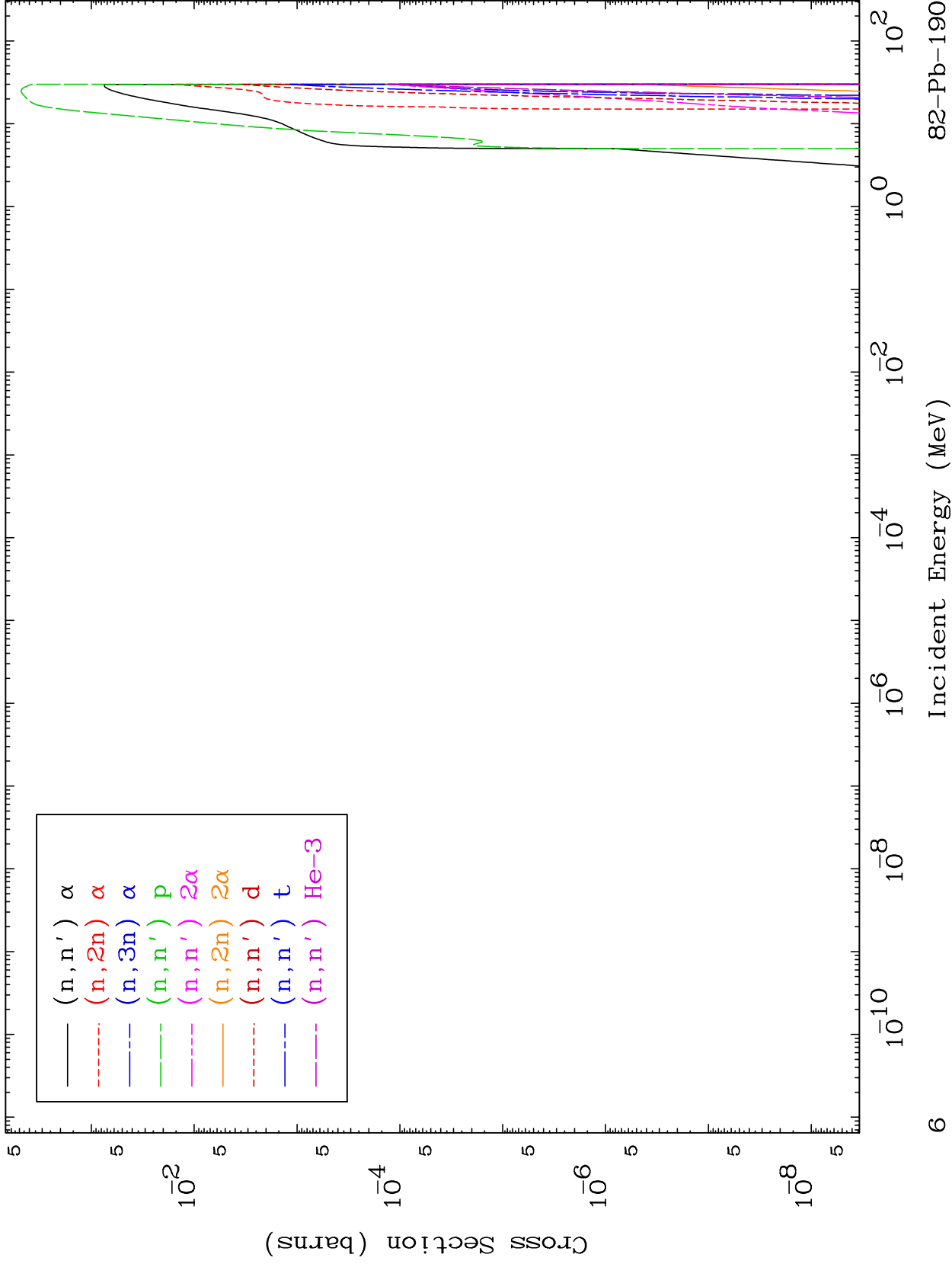
82-Pb-190



MAT 8183

Charged Particle
293 Kelvin Cross Sections

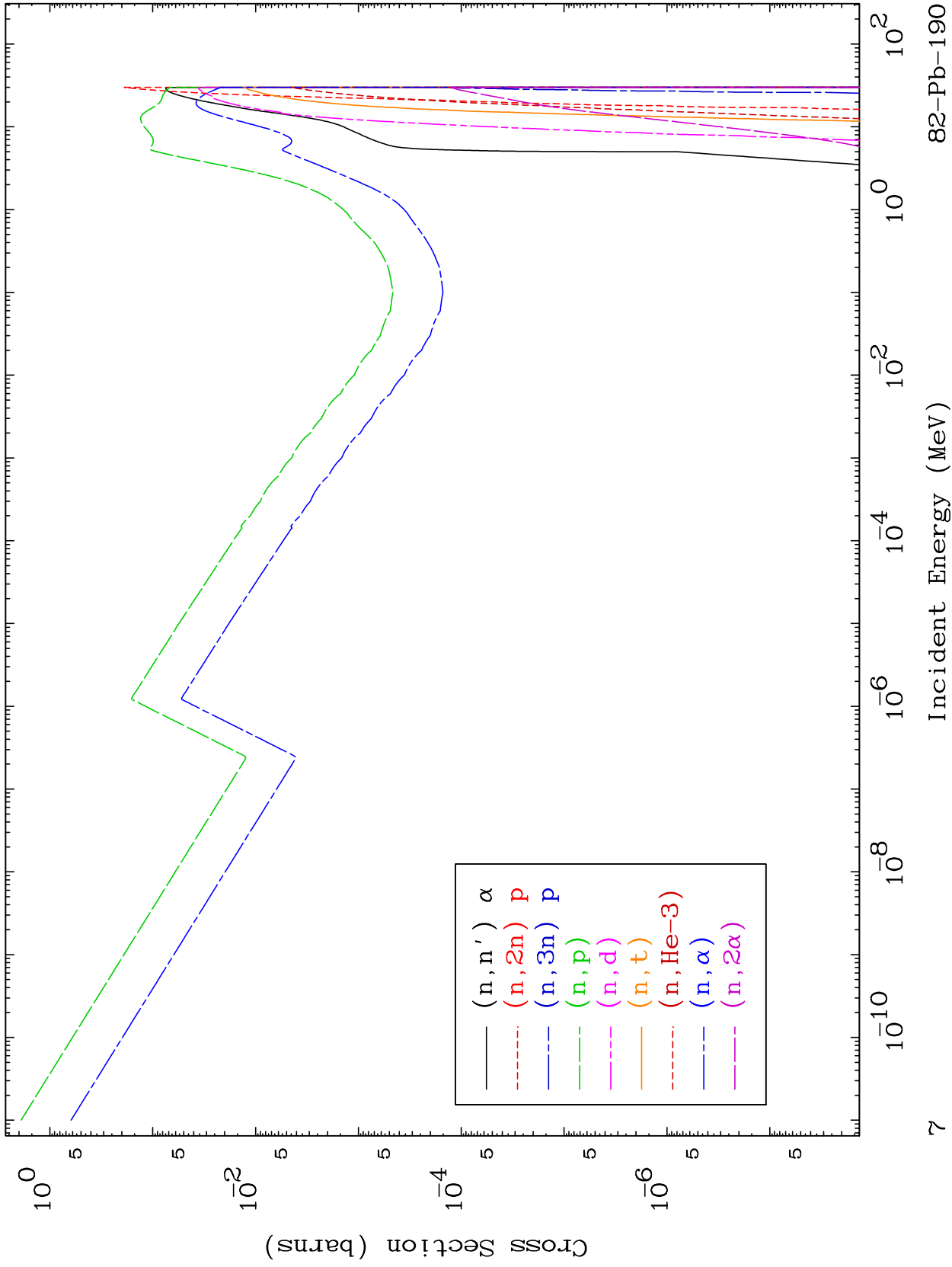
82-Pb-190



MAT 8183

Charged Particle
293 Kelvin Cross Sections

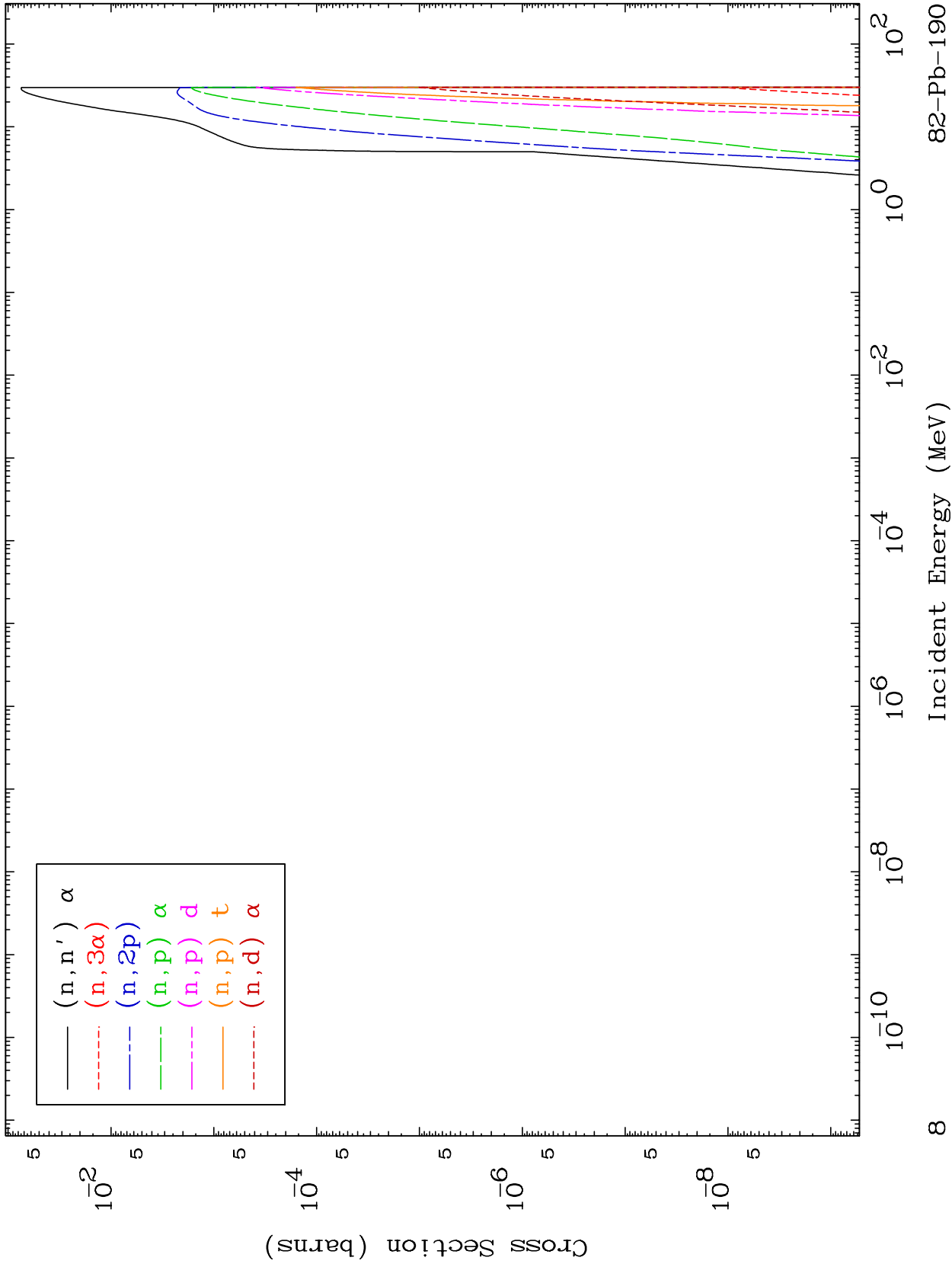
82-Pb-190



MAT 8183

Charged Particle
293 Kelvin Cross Sections

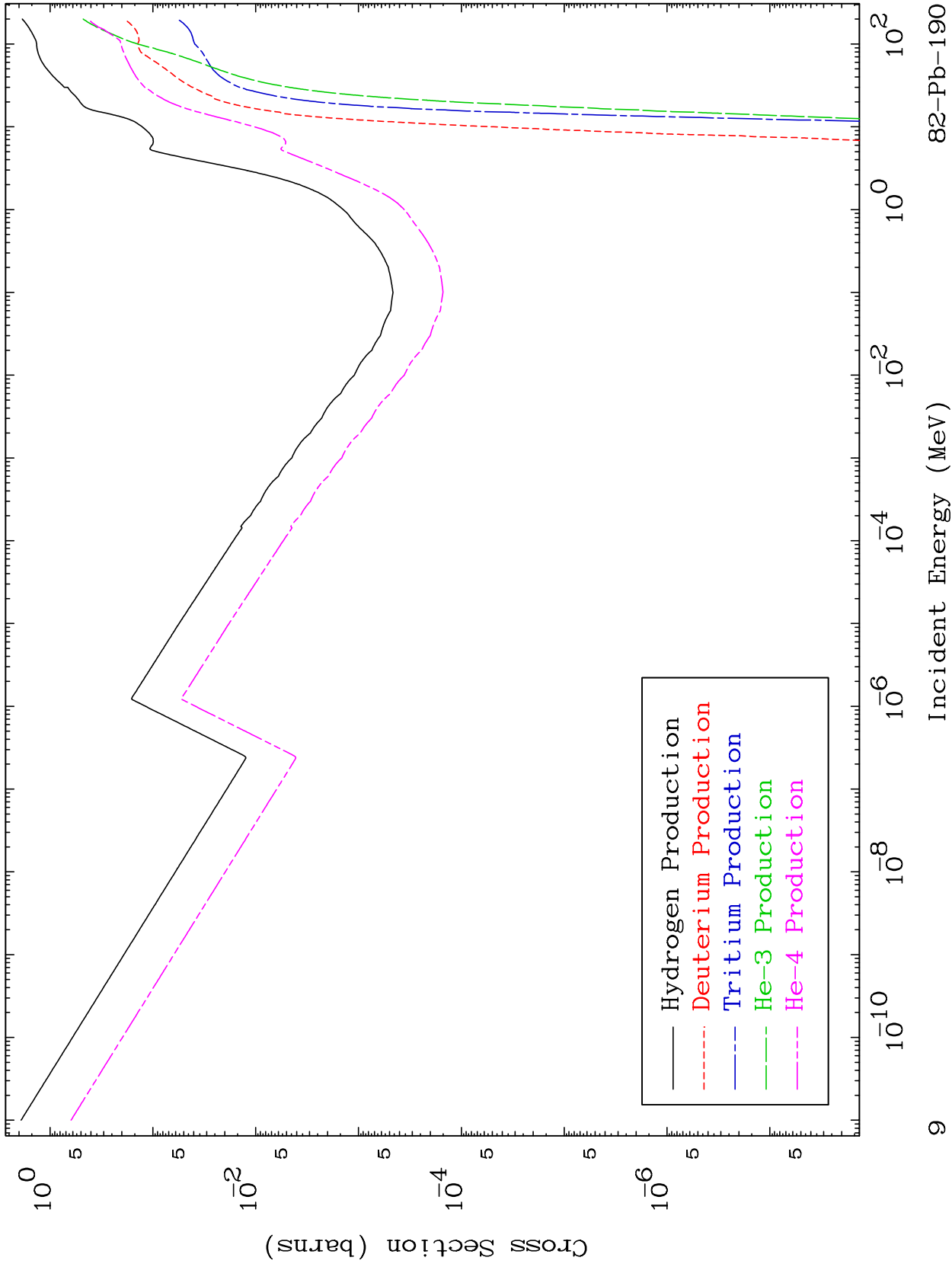
82-Pb-190



MAT 8183

Particle Production
293 Kelvin Cross Sections

82-Pb-190

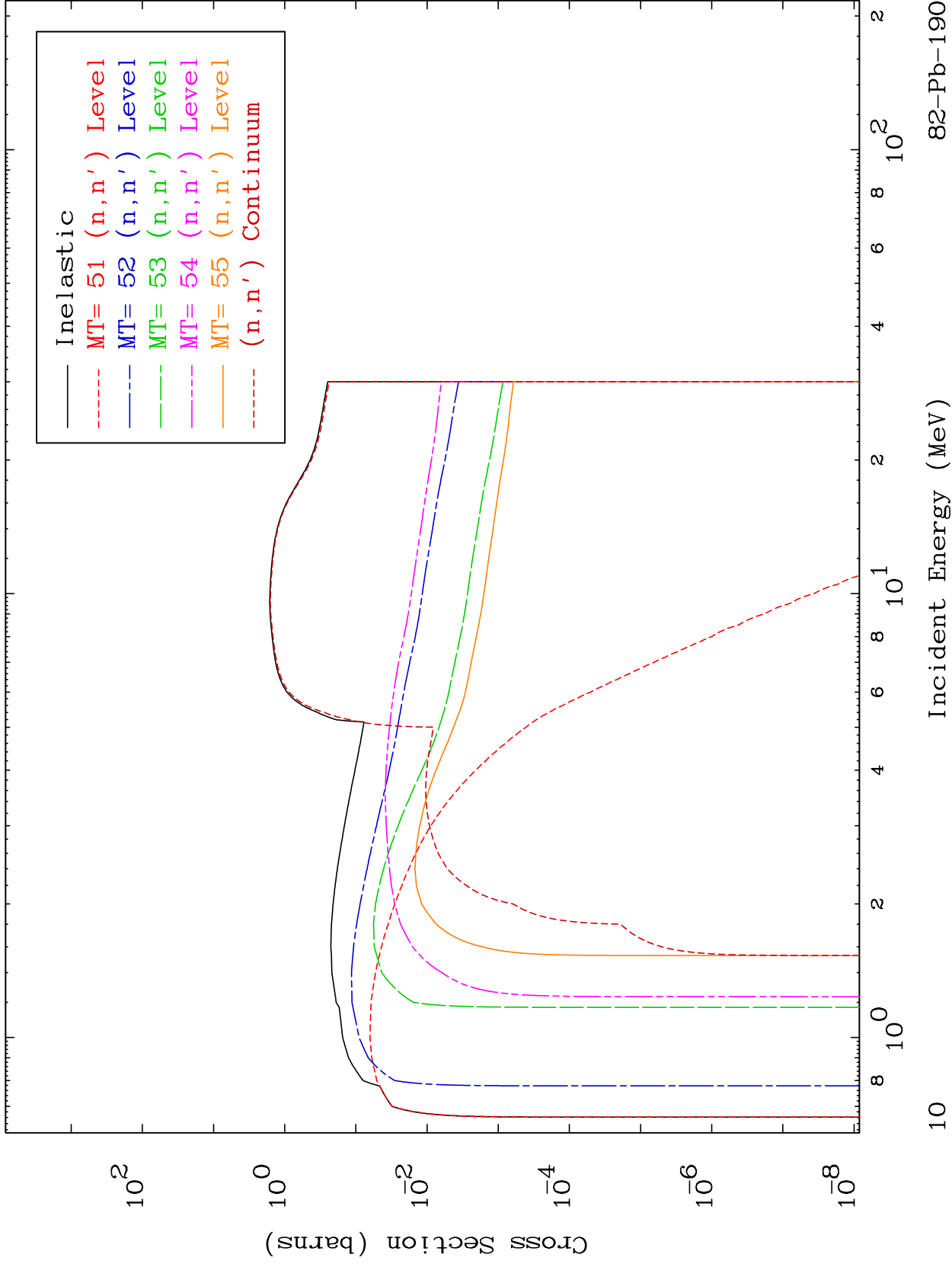


MAT 8183

(n,n') Levels

82-Pb-190

293 Kelvin Cross Sections



82-Pb-190

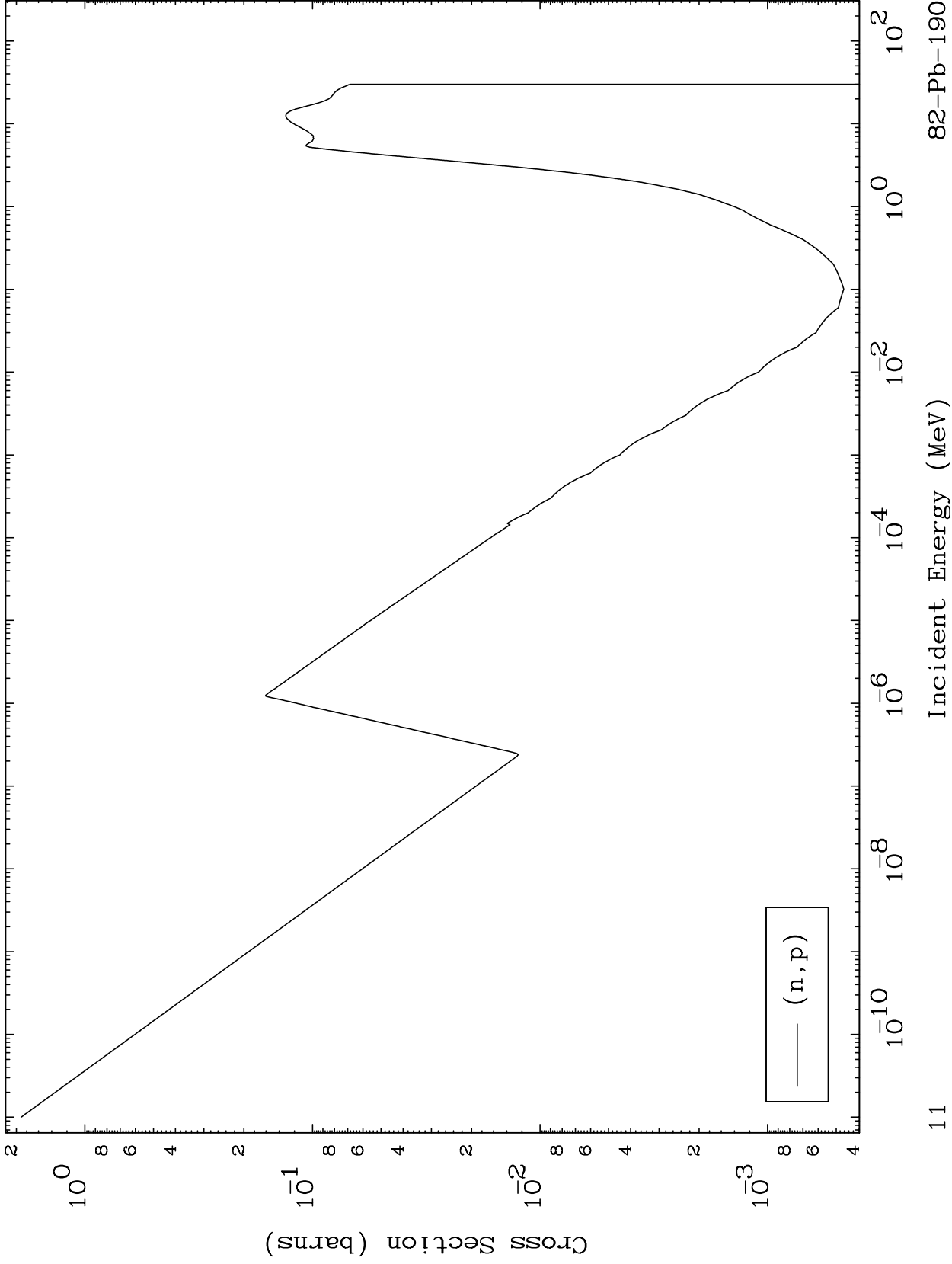
Incident Energy (MeV)

10

MAT 8183

(n,p) Levels
293 Kelvin Cross Sections

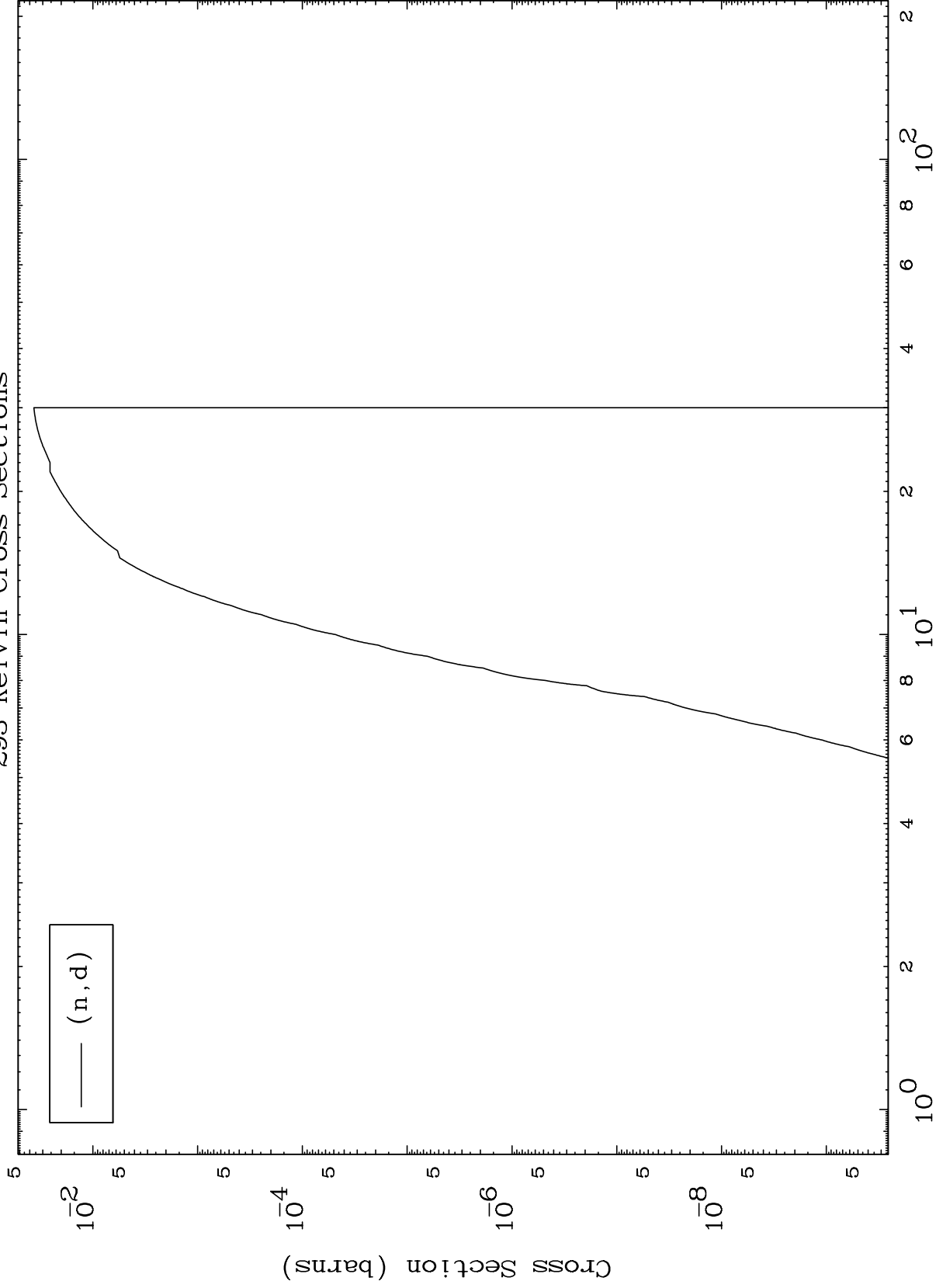
82-Pb-190



MAT 8183

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-190



12

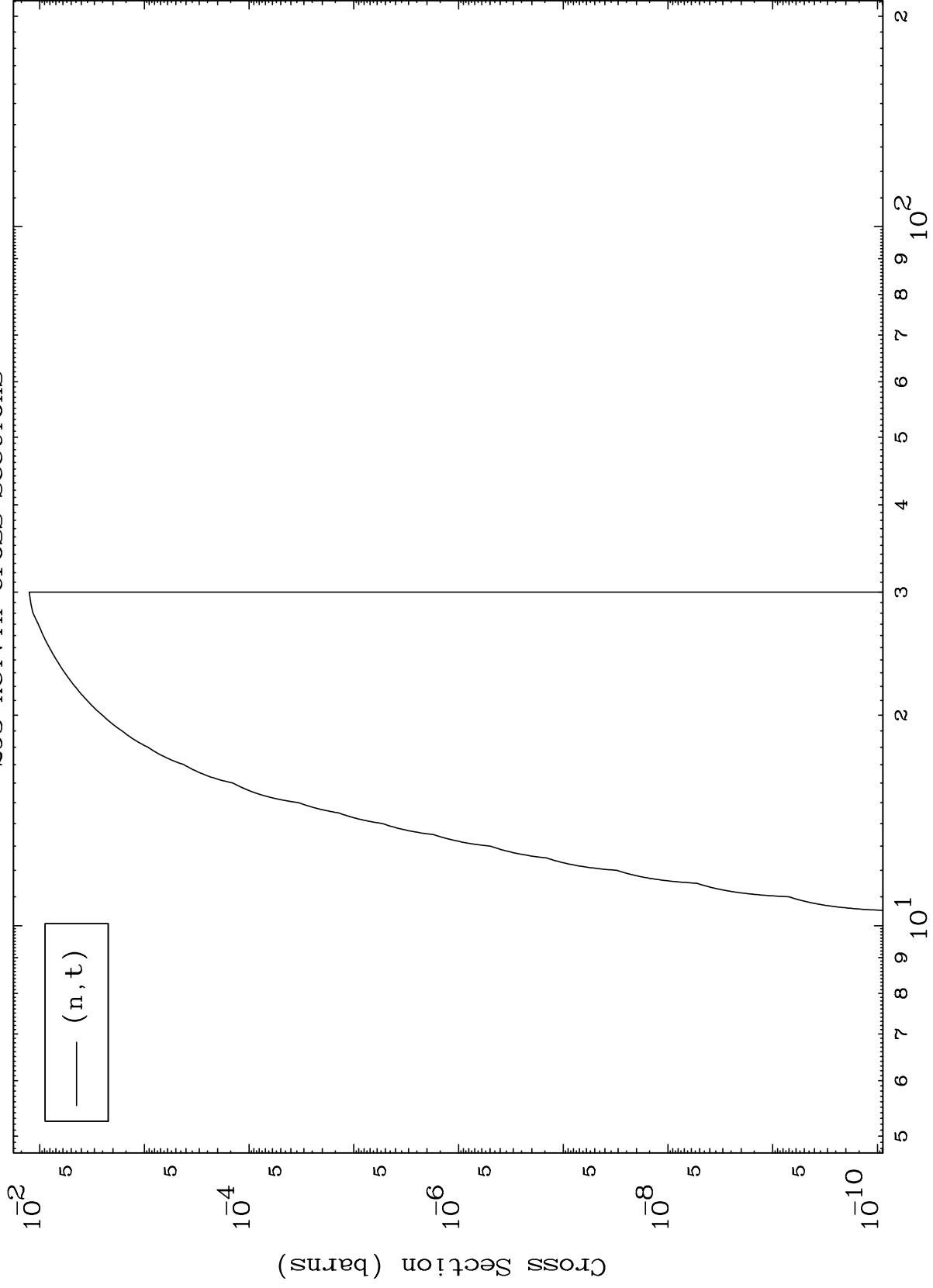
Incident Energy (MeV)

82-Pb-190

MAT 8183

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-190



13

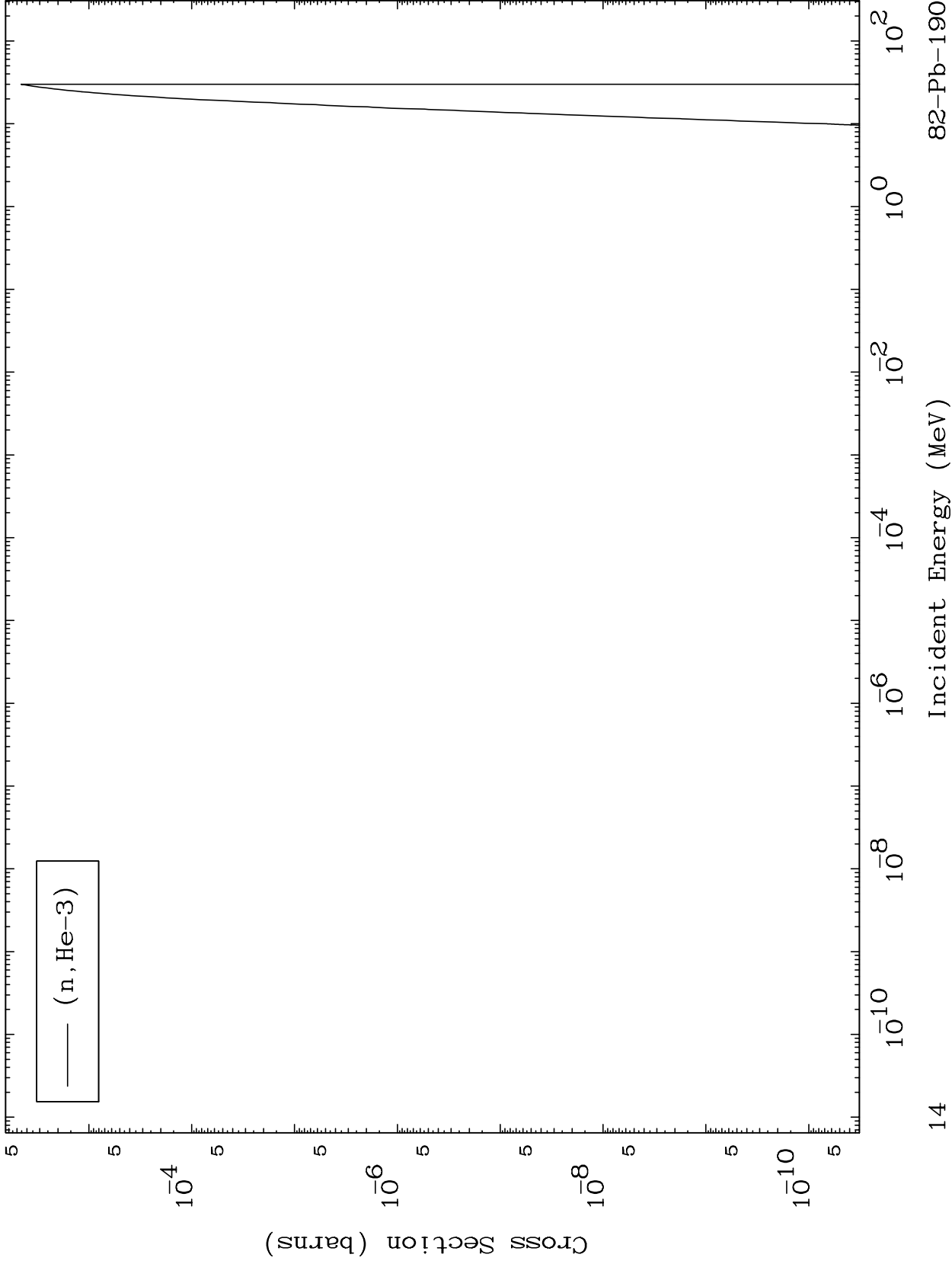
Incident Energy (MeV)

82-Pb-190

MAT 8183

(n,He3) Levels
293 Kelvin Cross Sections

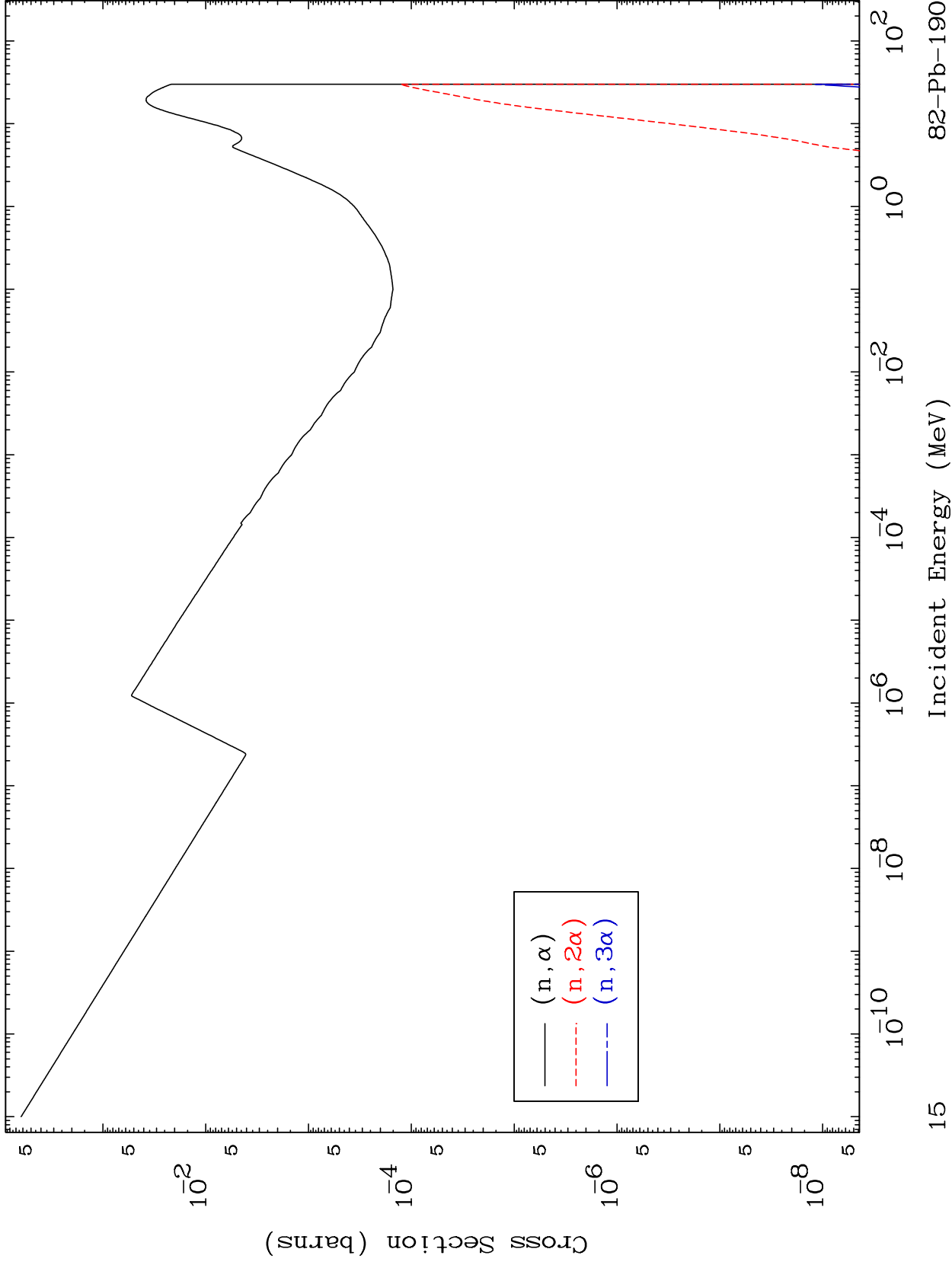
82-Pb-190



MAT 8183

(n,α) Levels
293 Kelvin Cross Sections

82-Pb-190

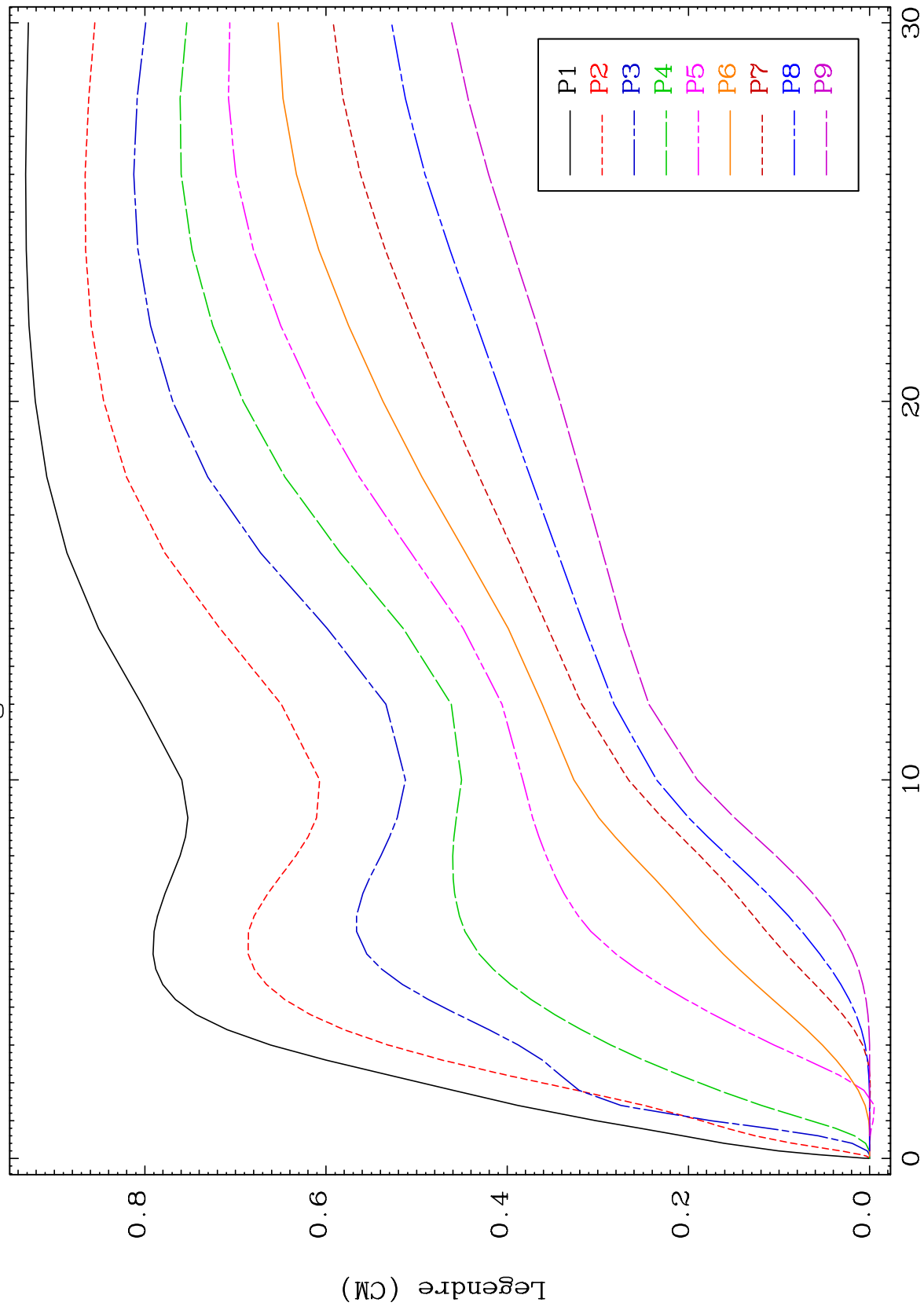


15

MAT 8183

Elastic Legendre Coefficients

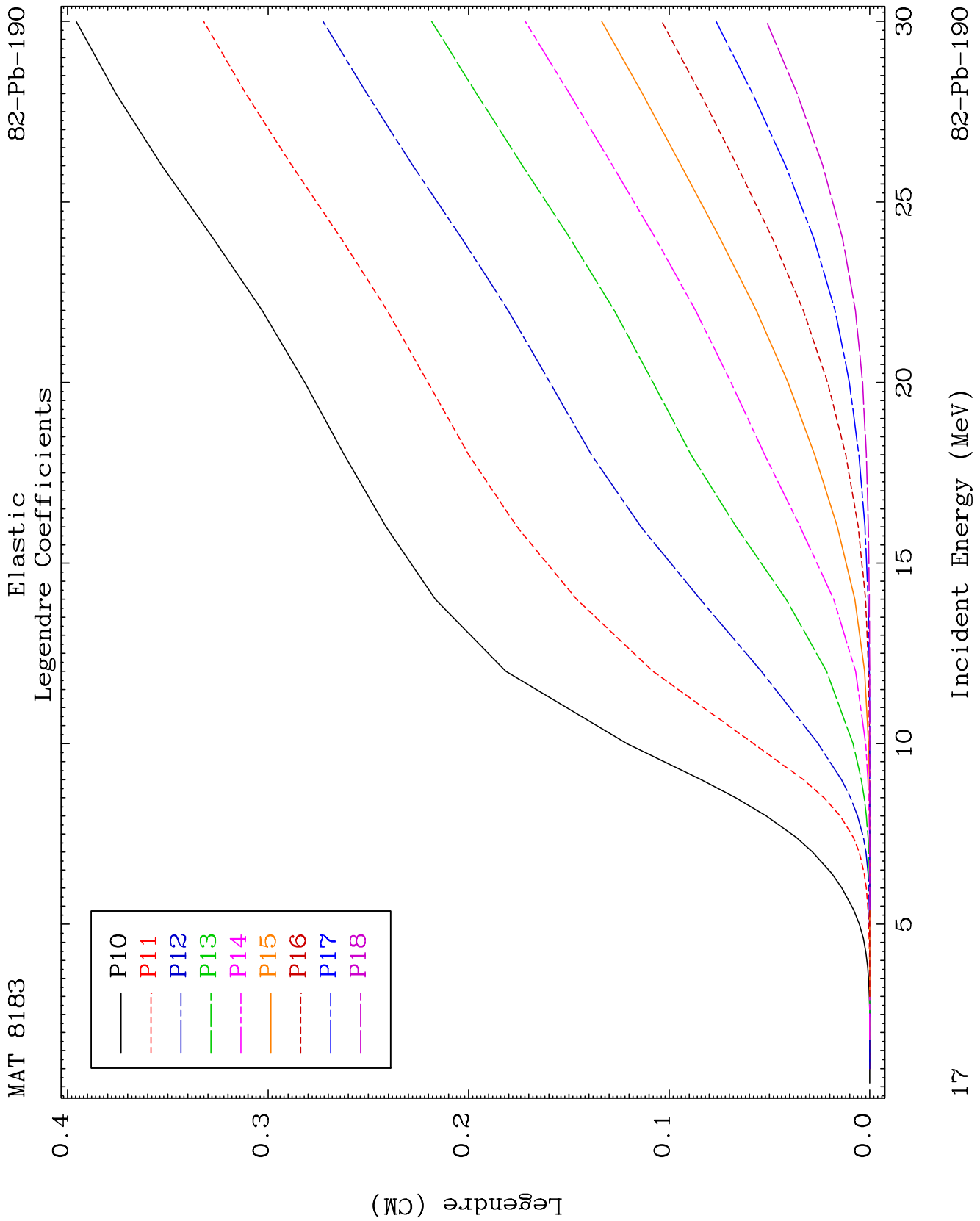
82-Pb-190



16

Incident Energy (MeV)

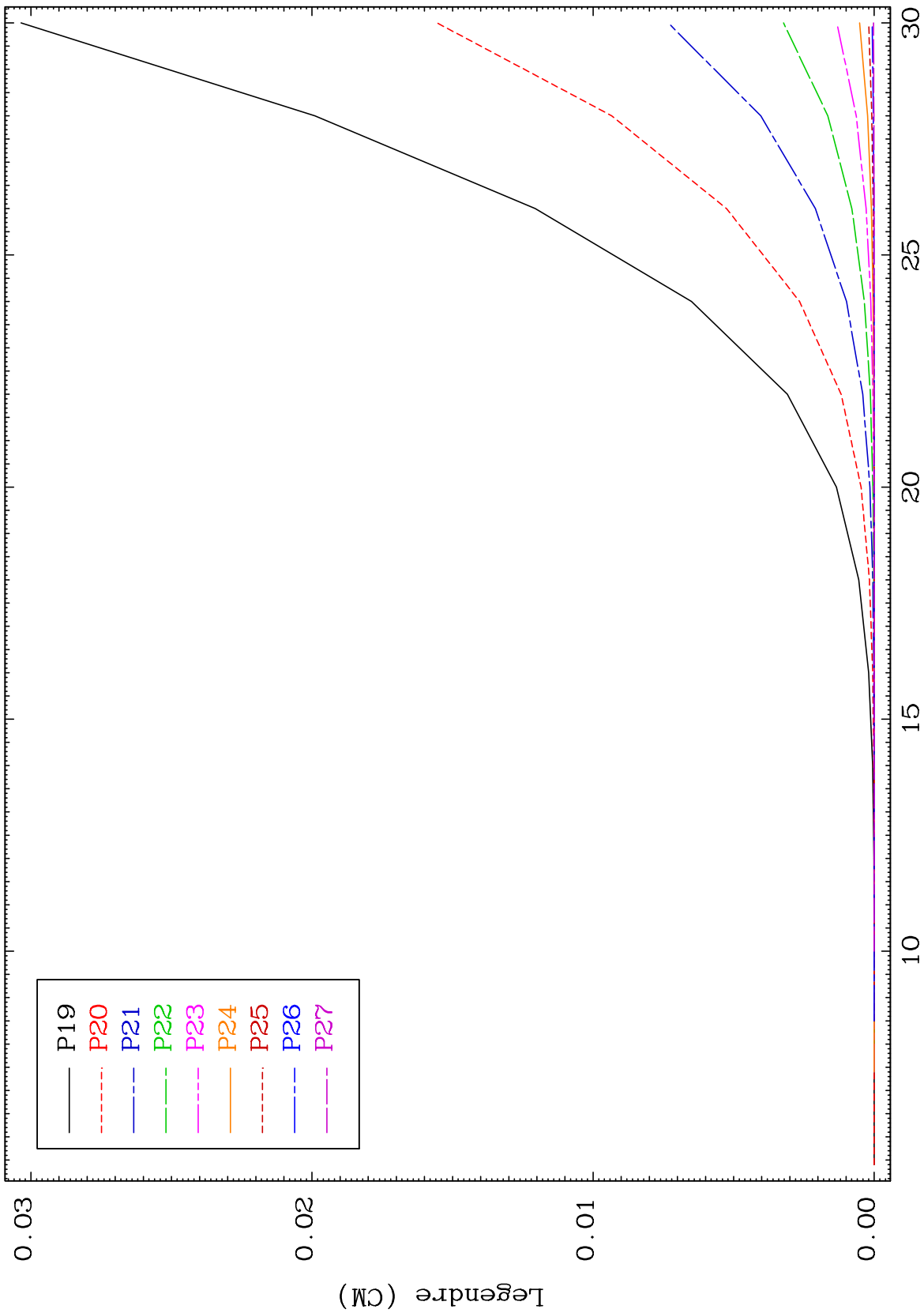
82-Pb-190



MAT 8183

Elastic Legendre Coefficients

82-Pb-190



18

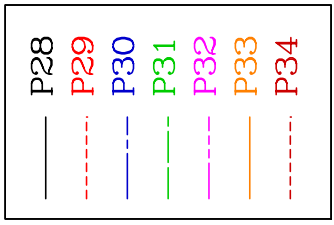
Incident Energy (MeV)

82-Pb-190

MAT 8183

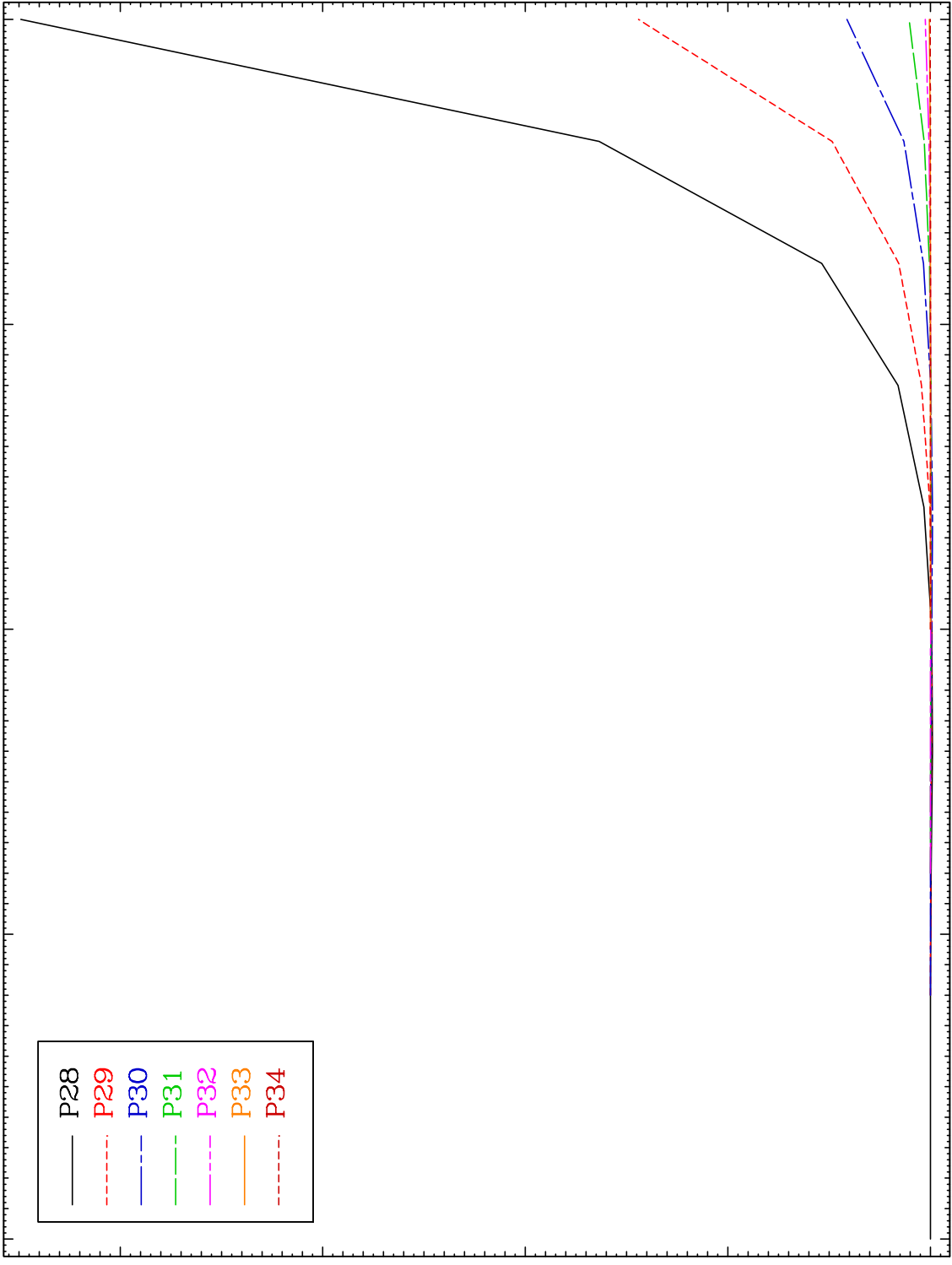
Elastic
Legendre Coefficients

82-Pb-190



$\times 10^{-6}$

Legendre (CM)



30

25

20

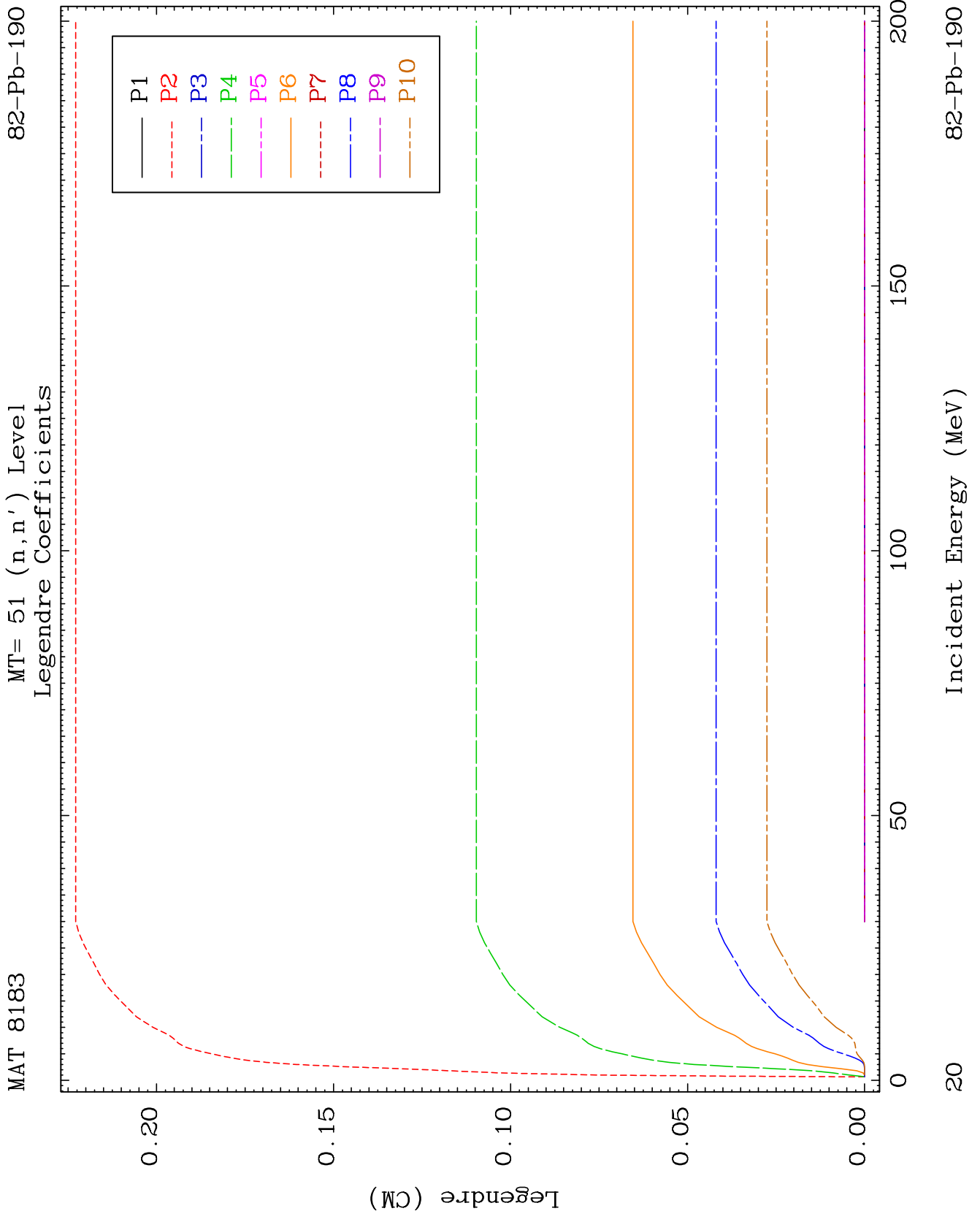
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10

Incident Energy (MeV)

82-Pb-190

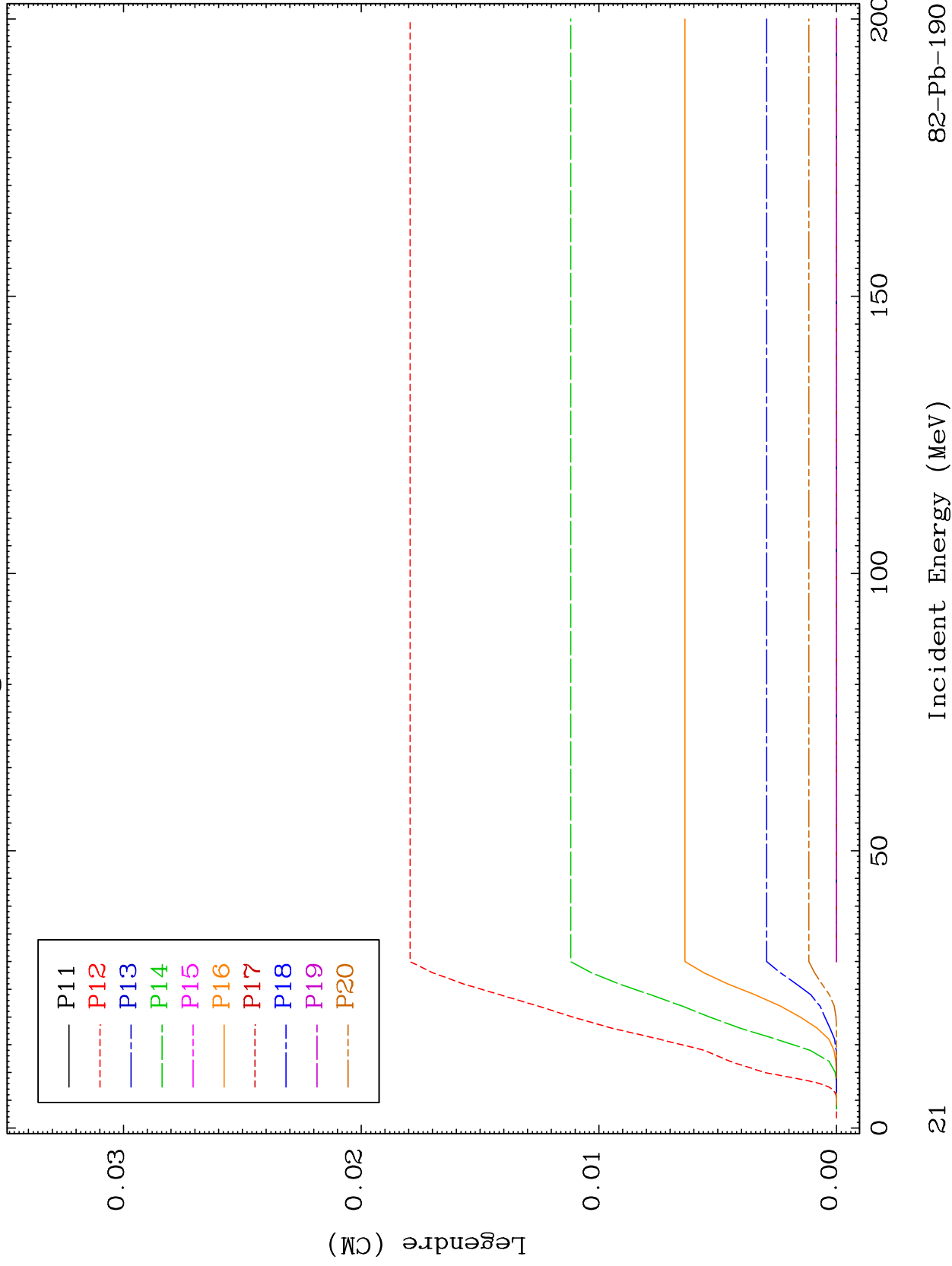
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MAT 8183

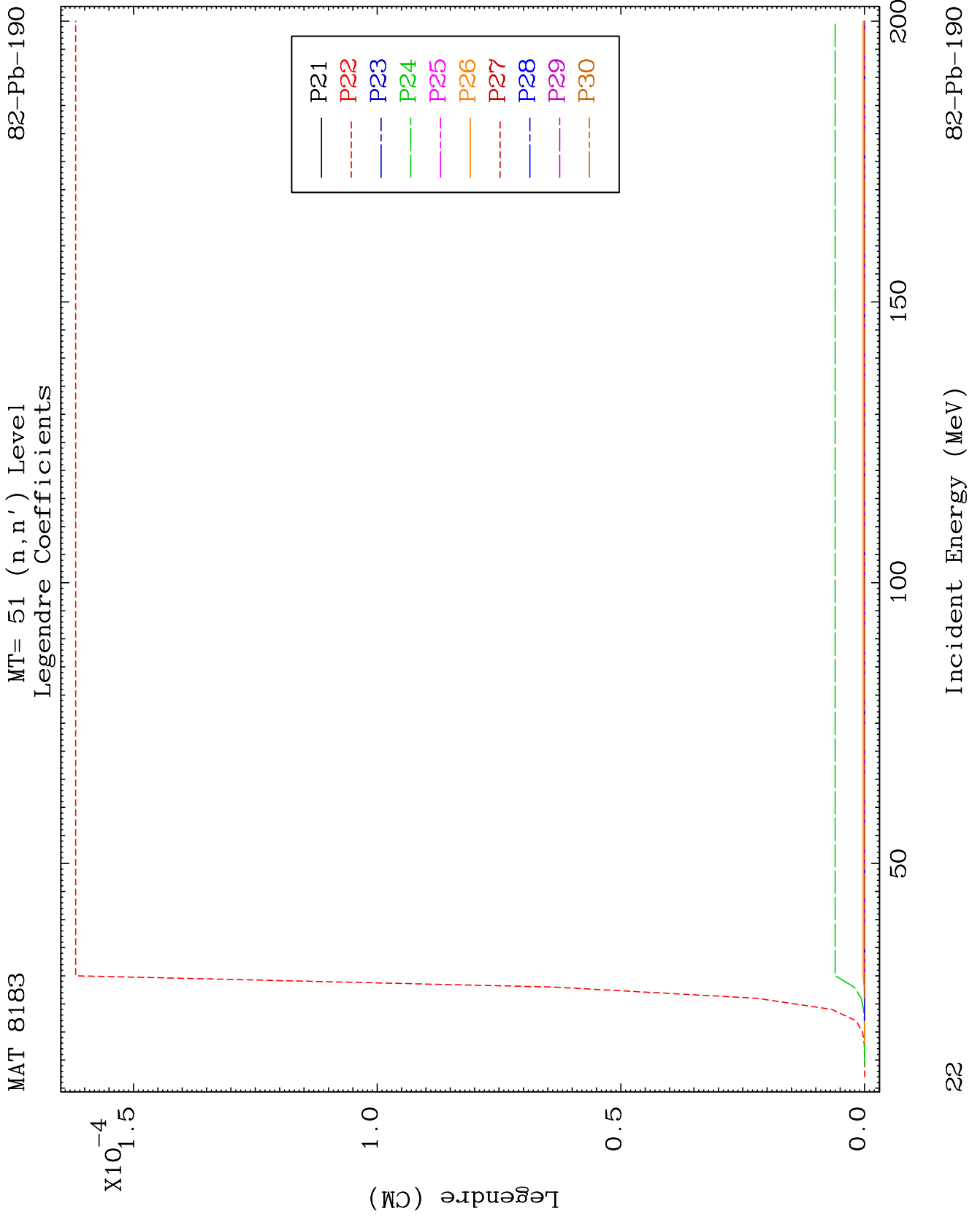
MT= 51 (n,n') Level
Legendre Coefficients

82-Pb-190



21

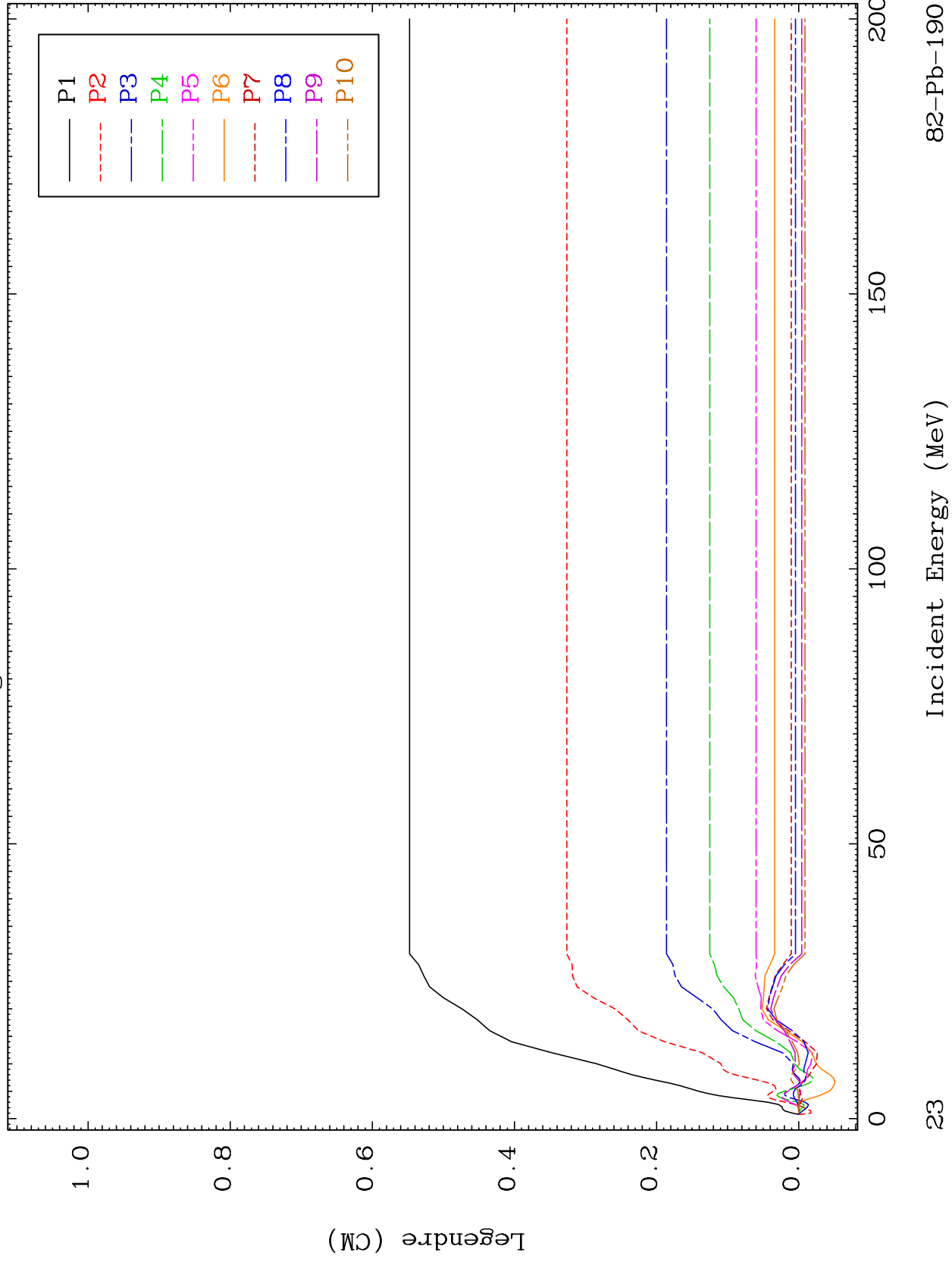
82-Pb-190



MAT 8183

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

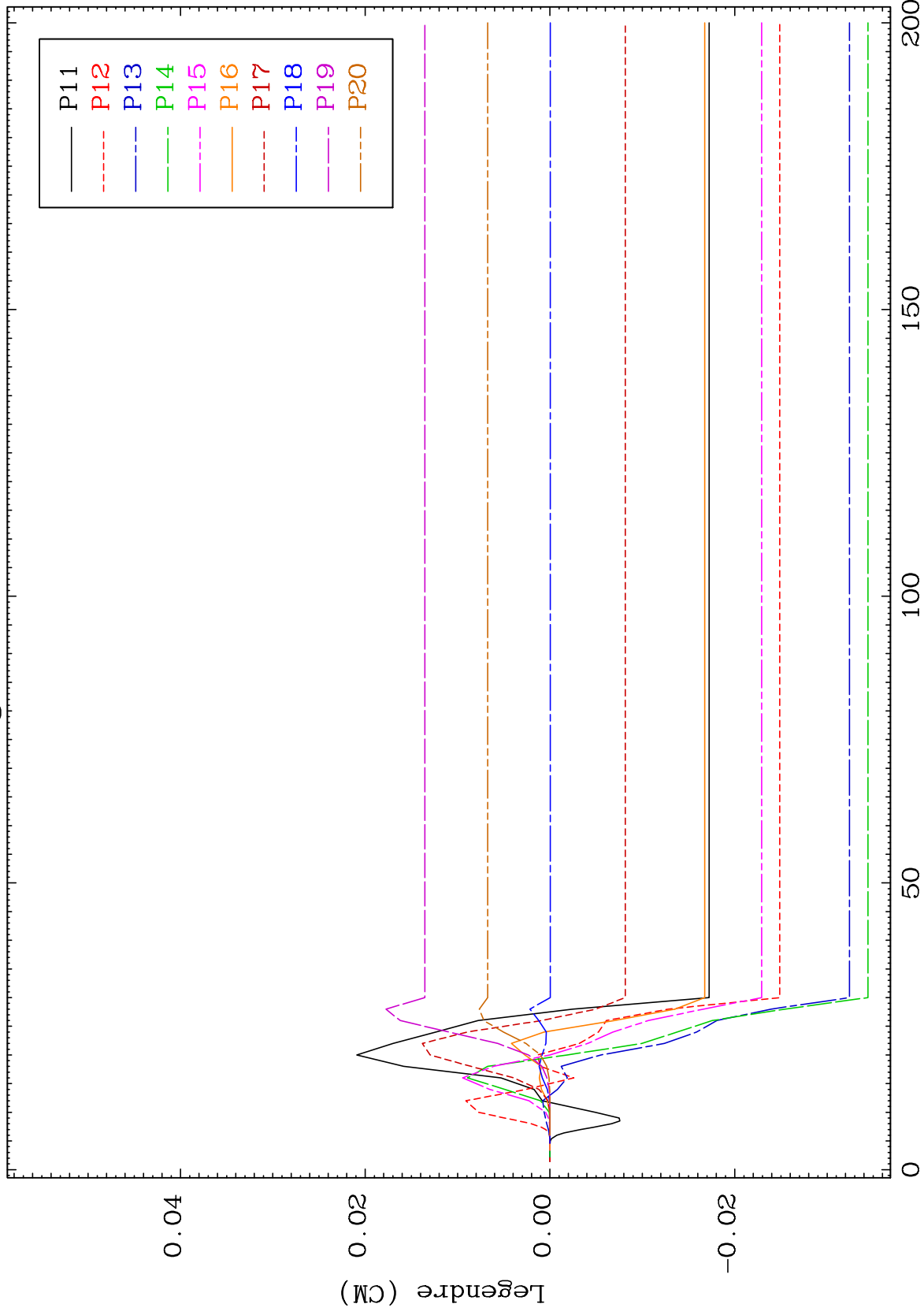
82-Pb-190



MAT 8183

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

82-Pb-190



24

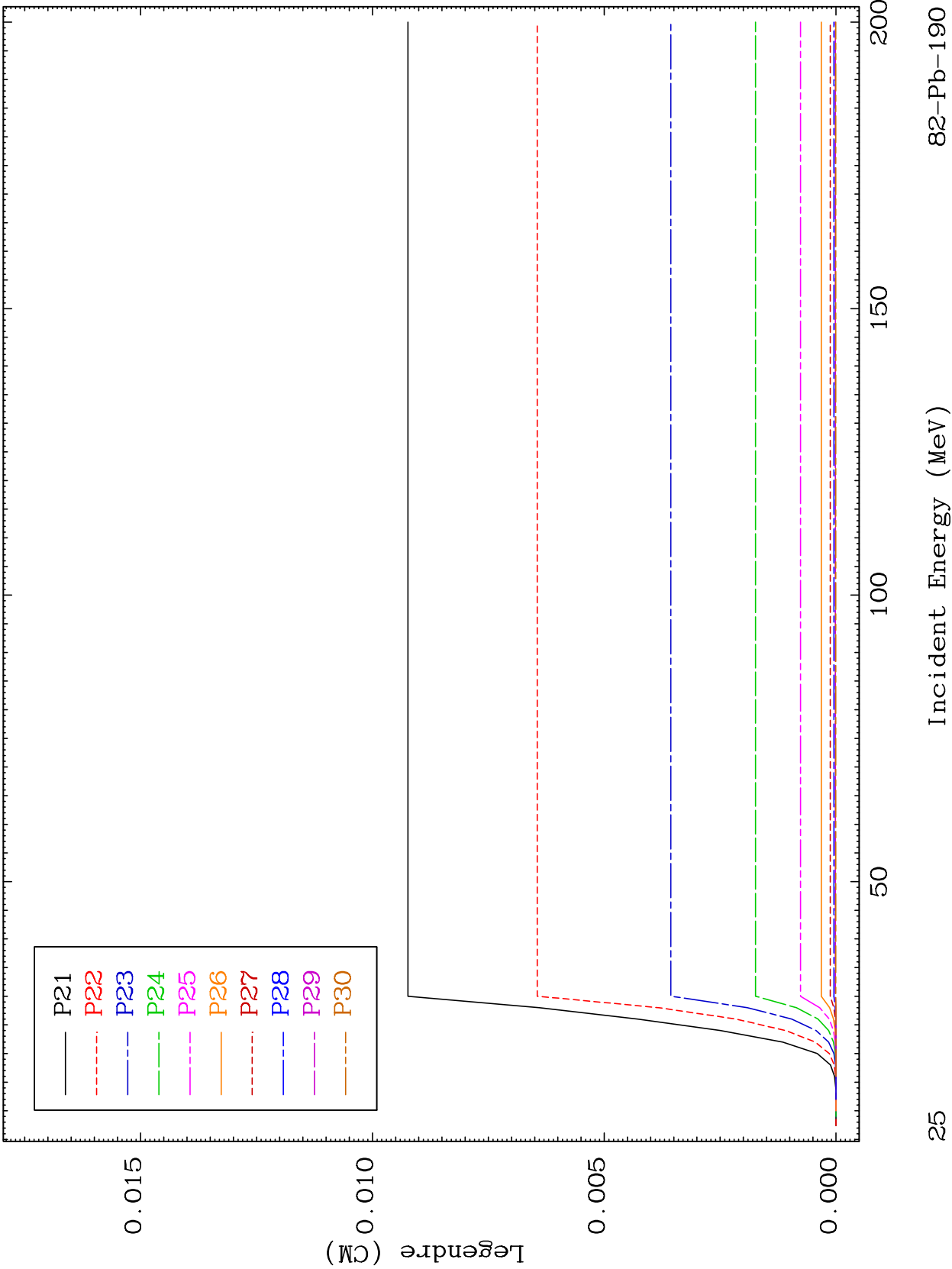
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



25

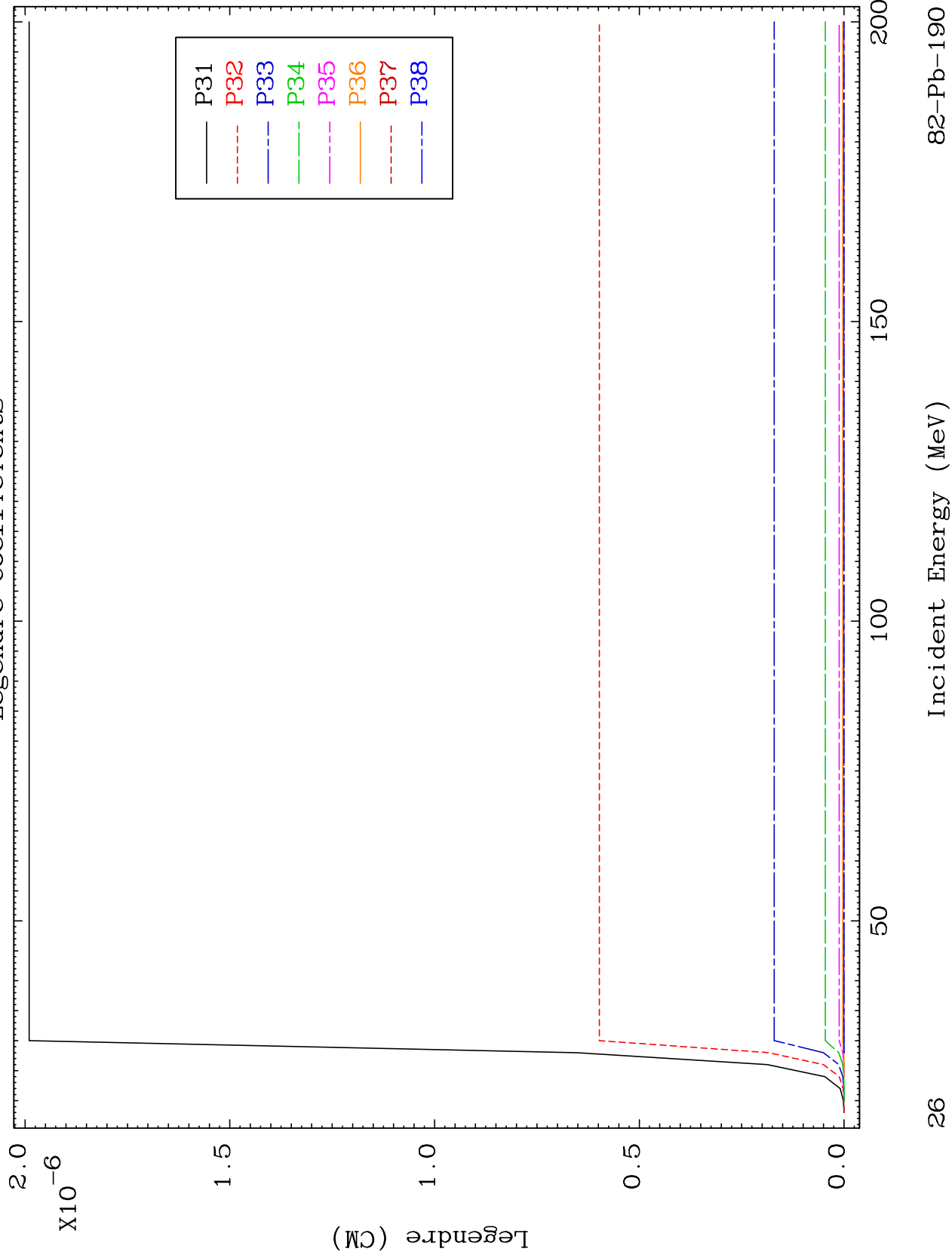
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



26

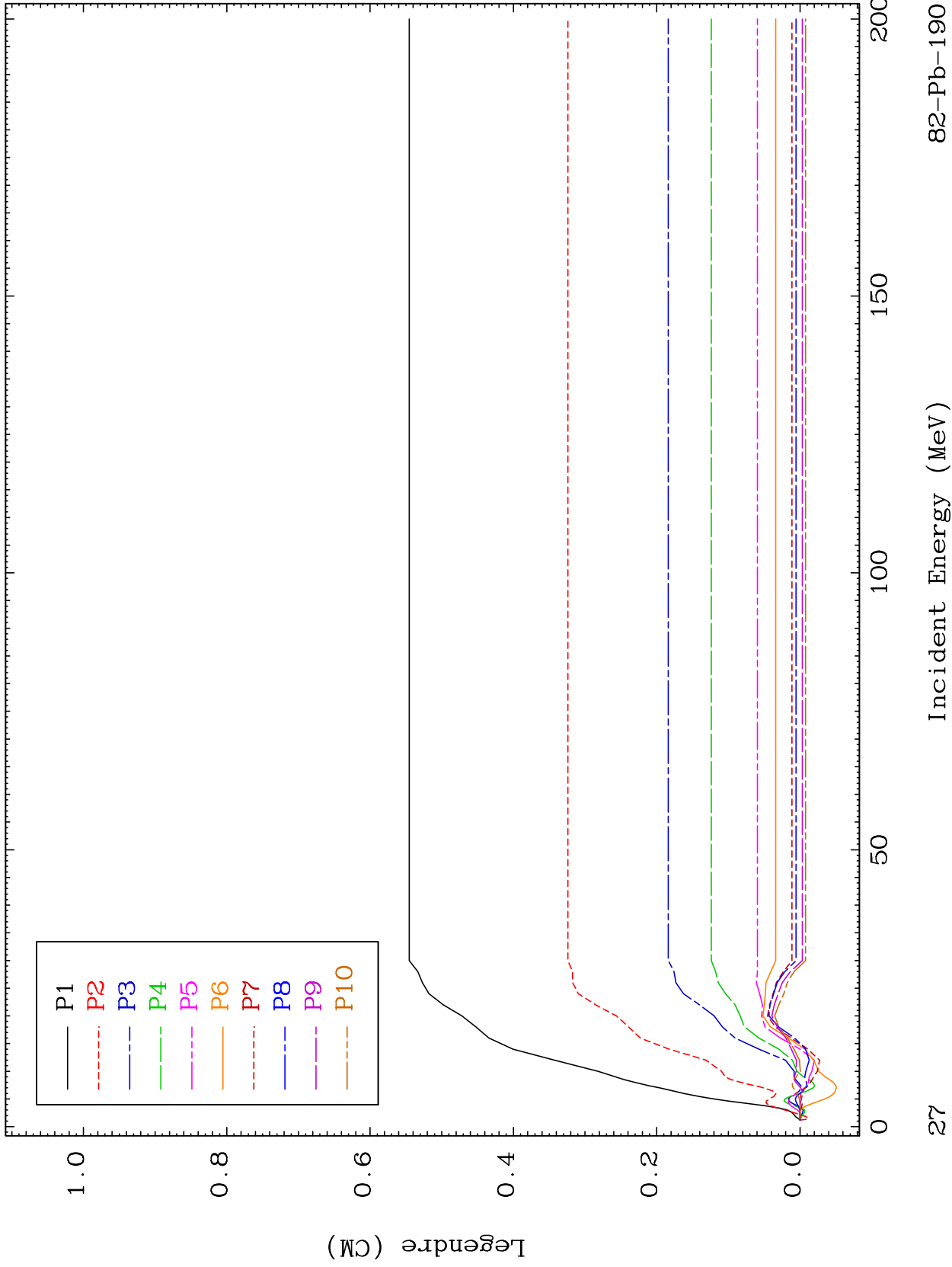
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190

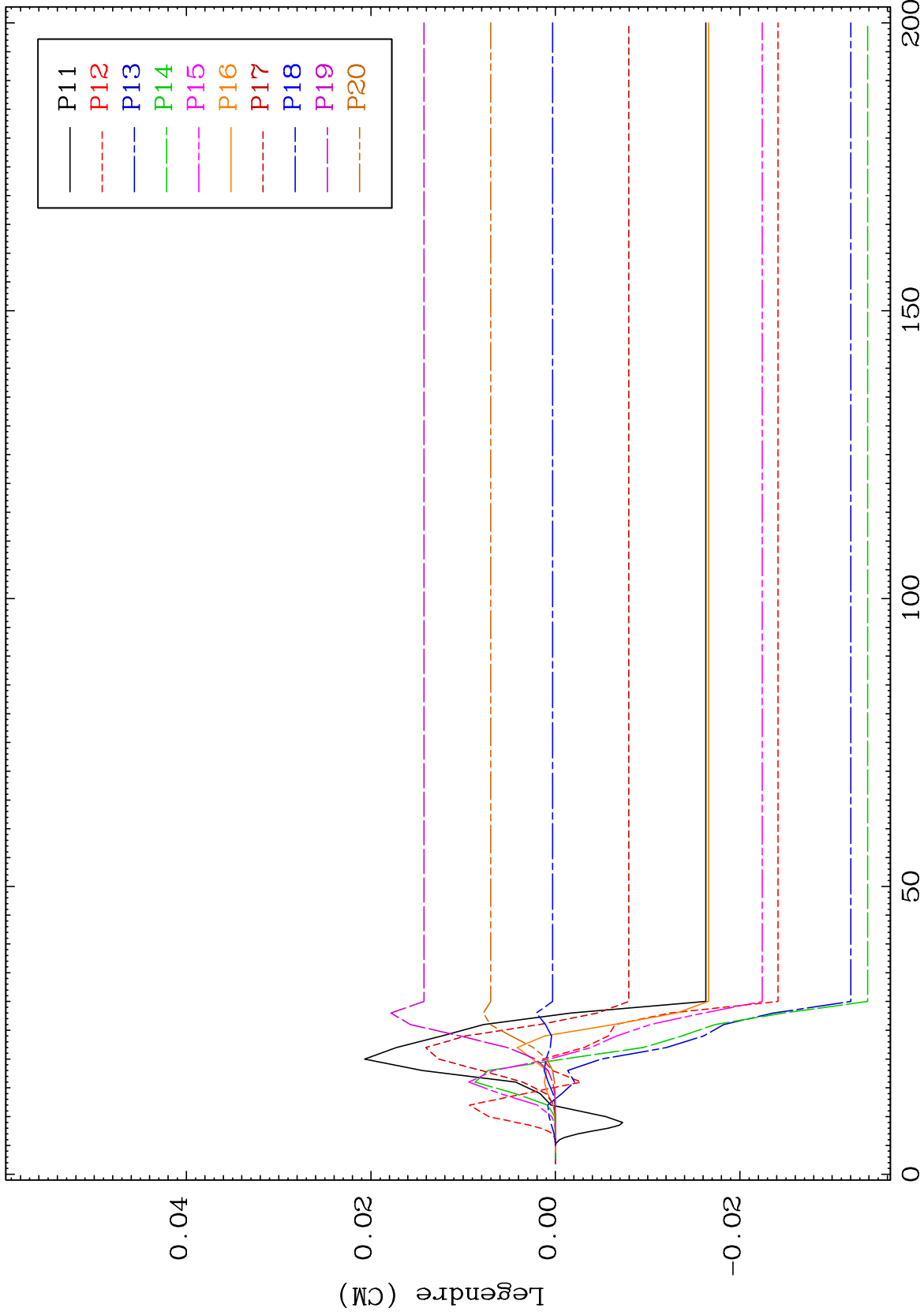


27

MAT 8183

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

82-Pb-190



28

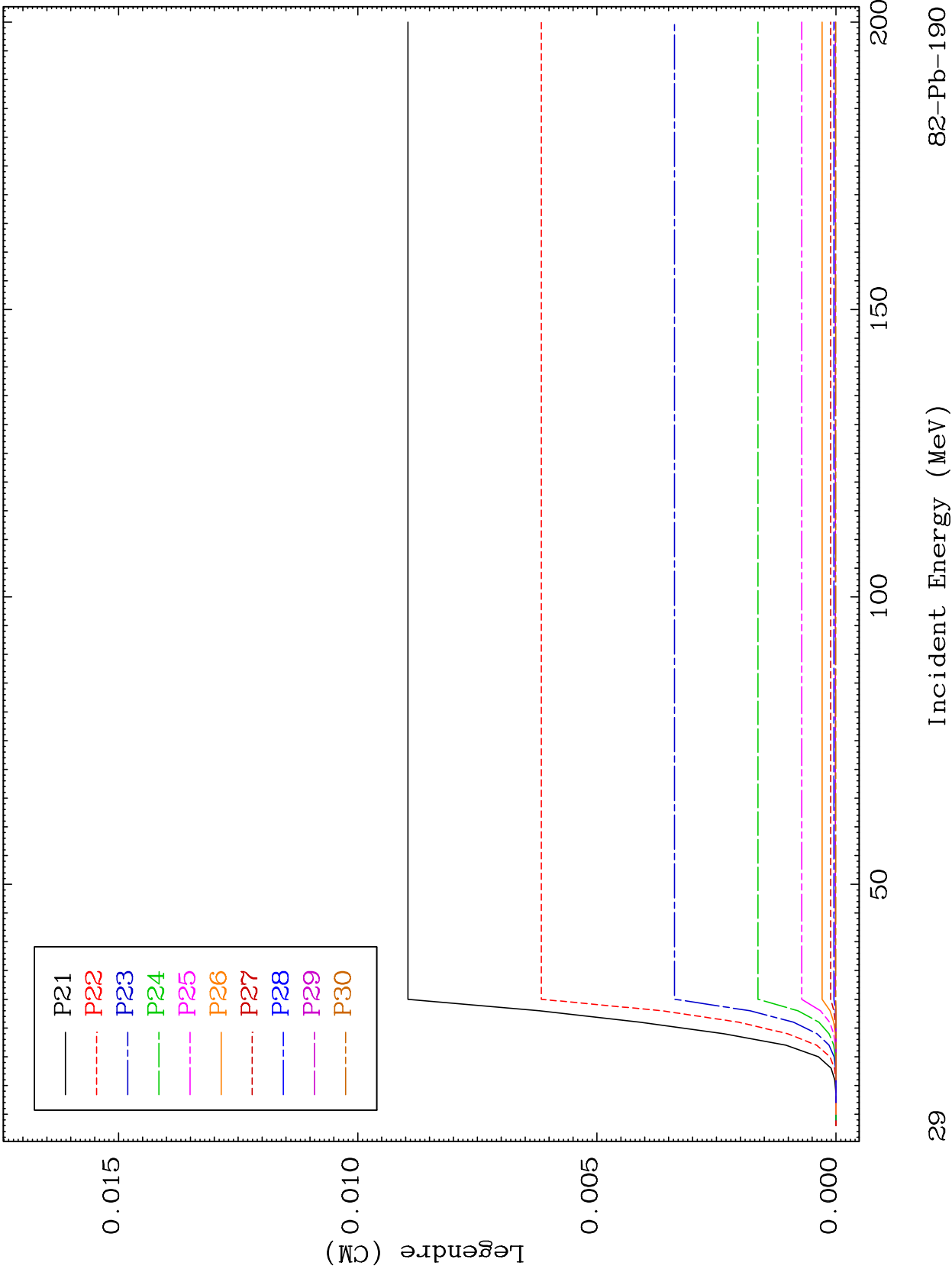
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

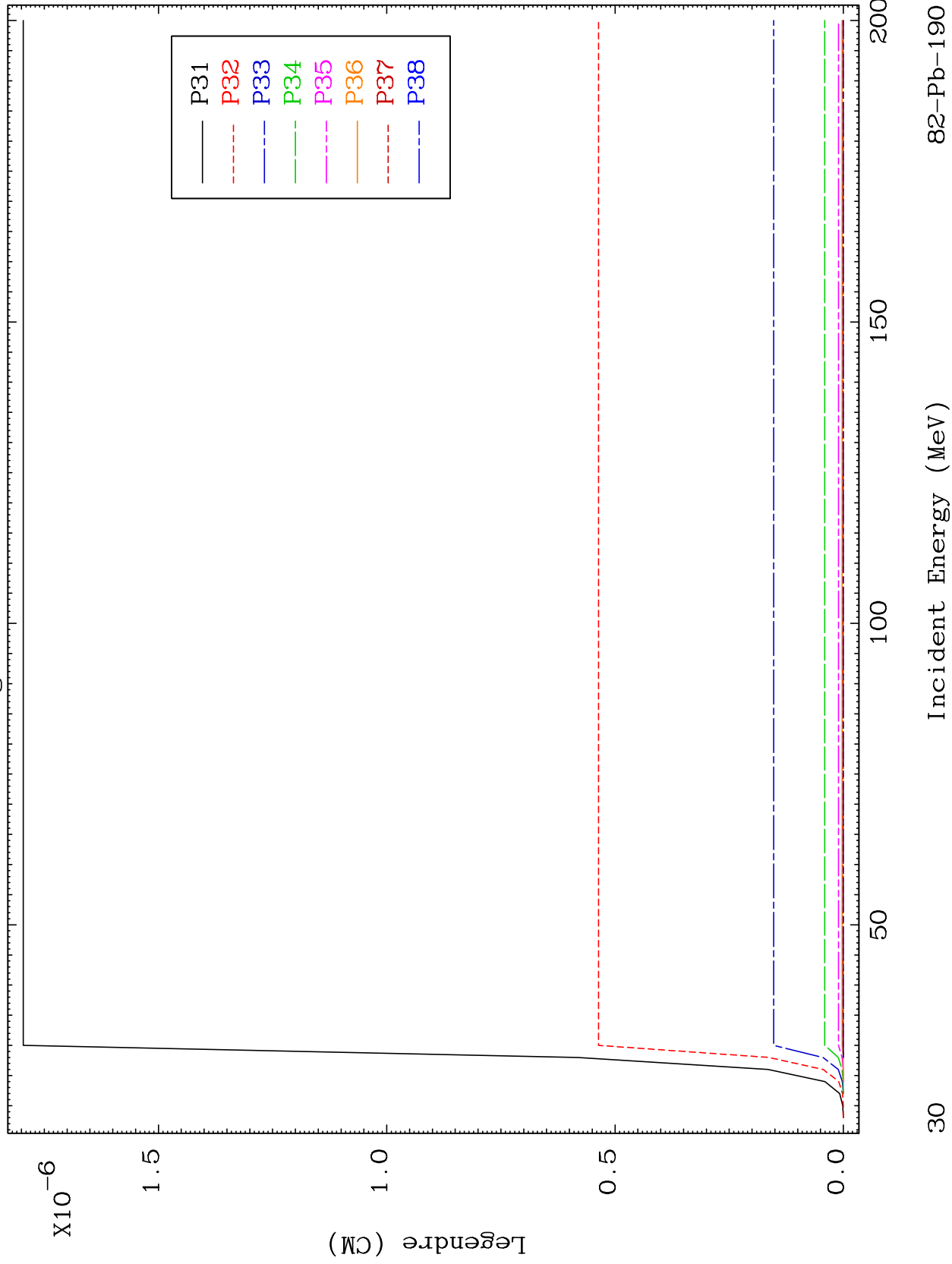
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MAT 8183

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

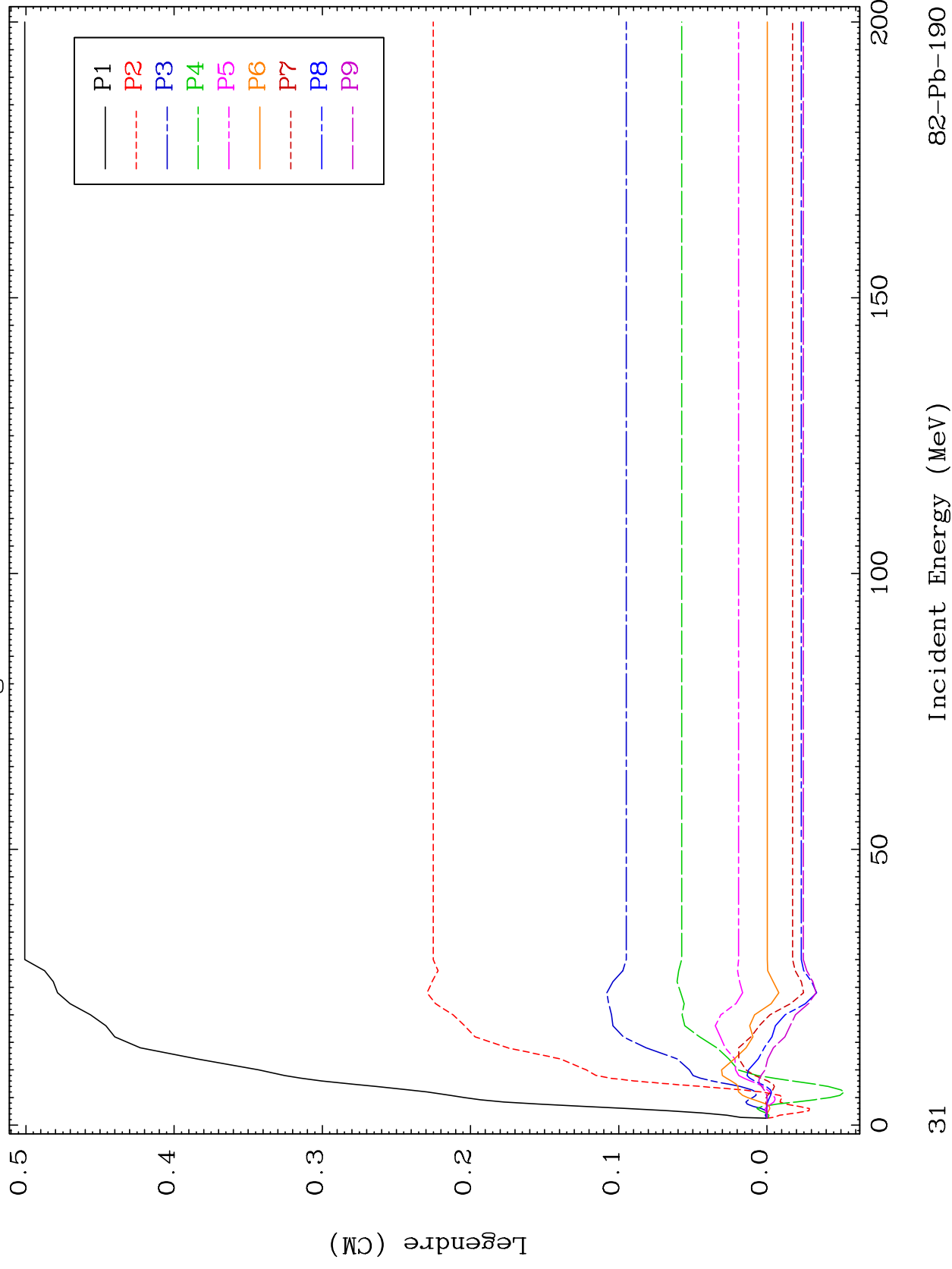
82-Pb-190



MAT 8183

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

82-Pb-190



31

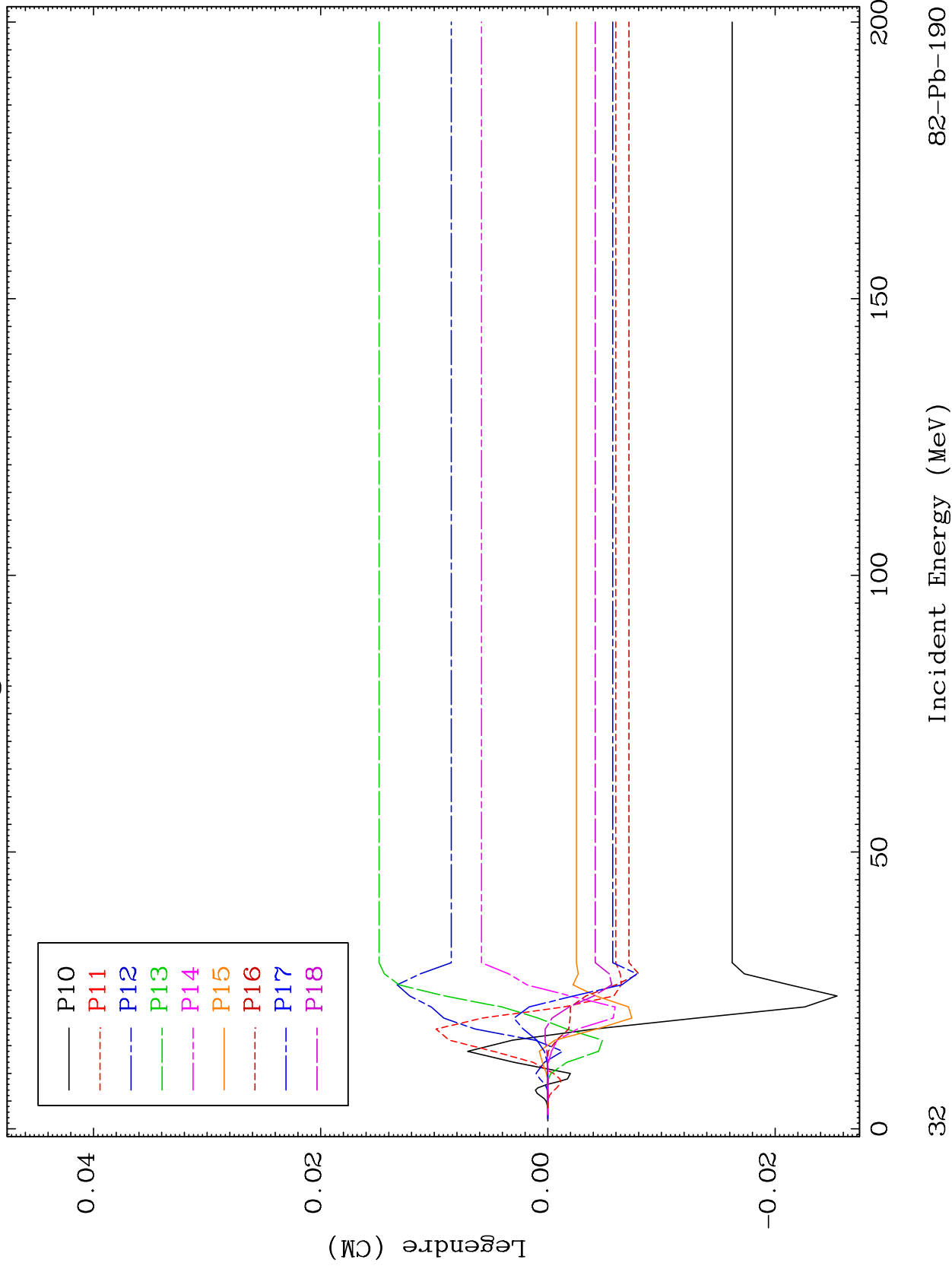
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



82-Pb-190

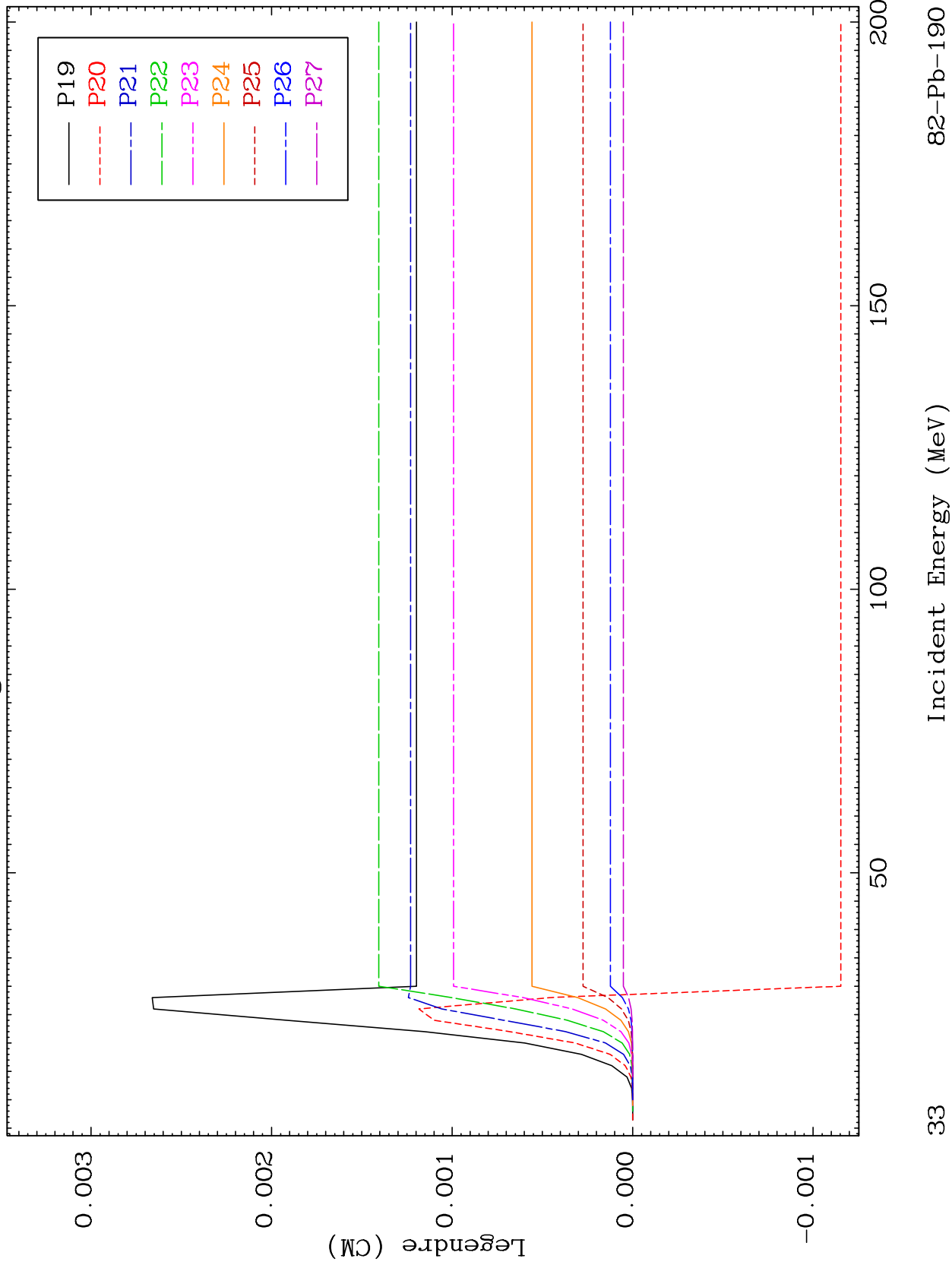
Incident Energy (MeV)

32

MAT 8183

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

82-Pb-190



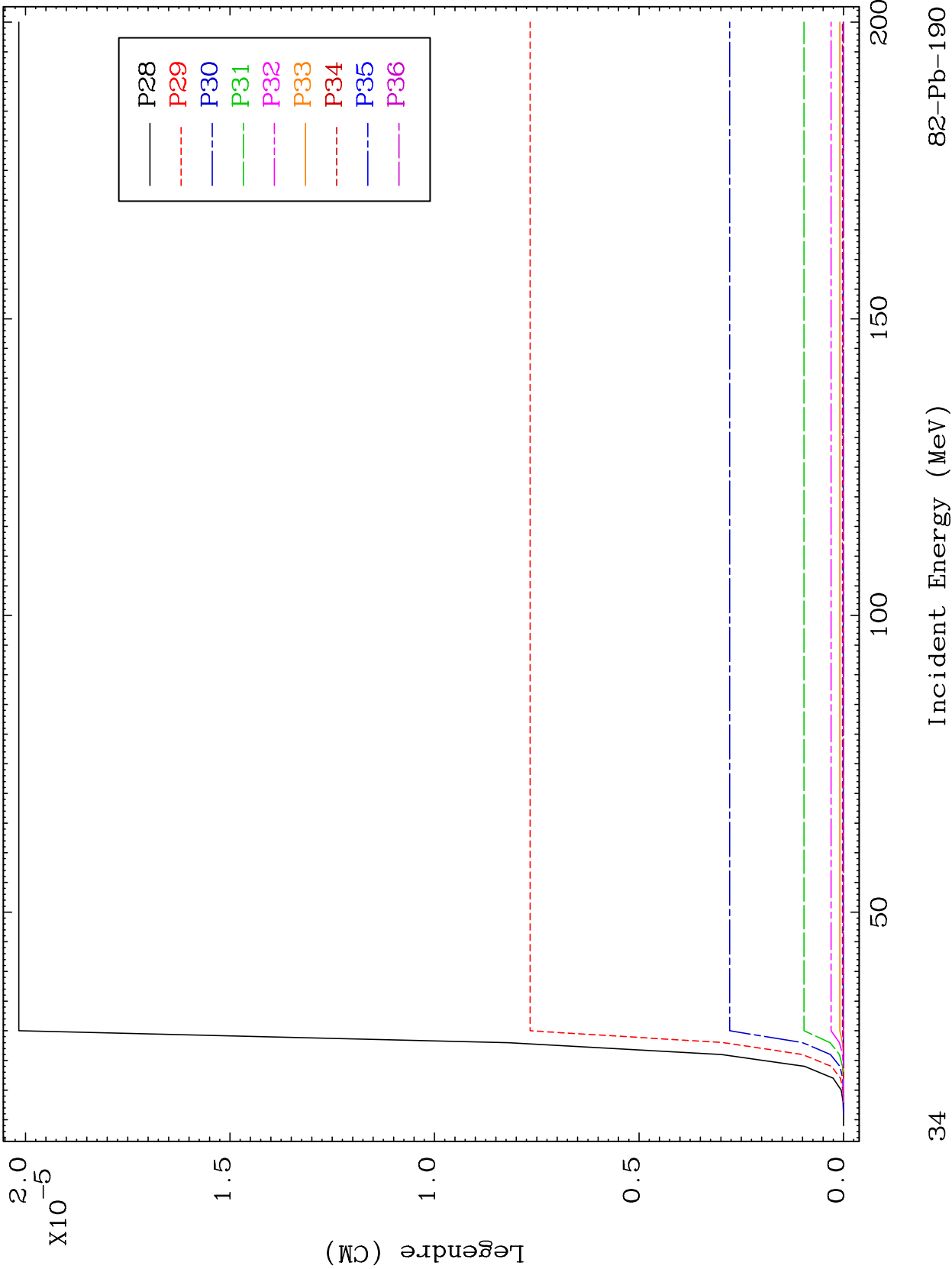
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82-Pb-190

MAT 8183

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

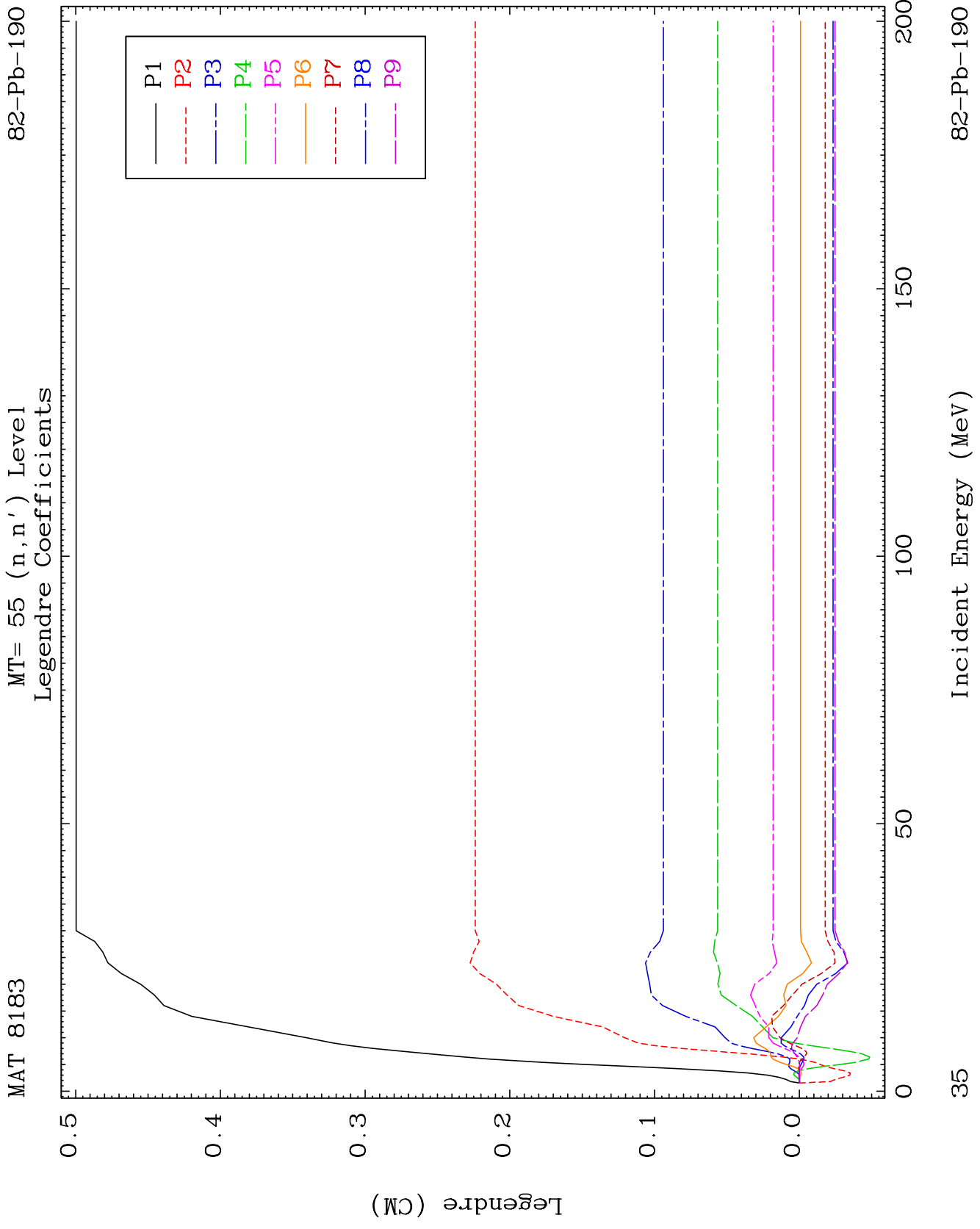
82-Pb-190



34

Incident Energy (MeV)

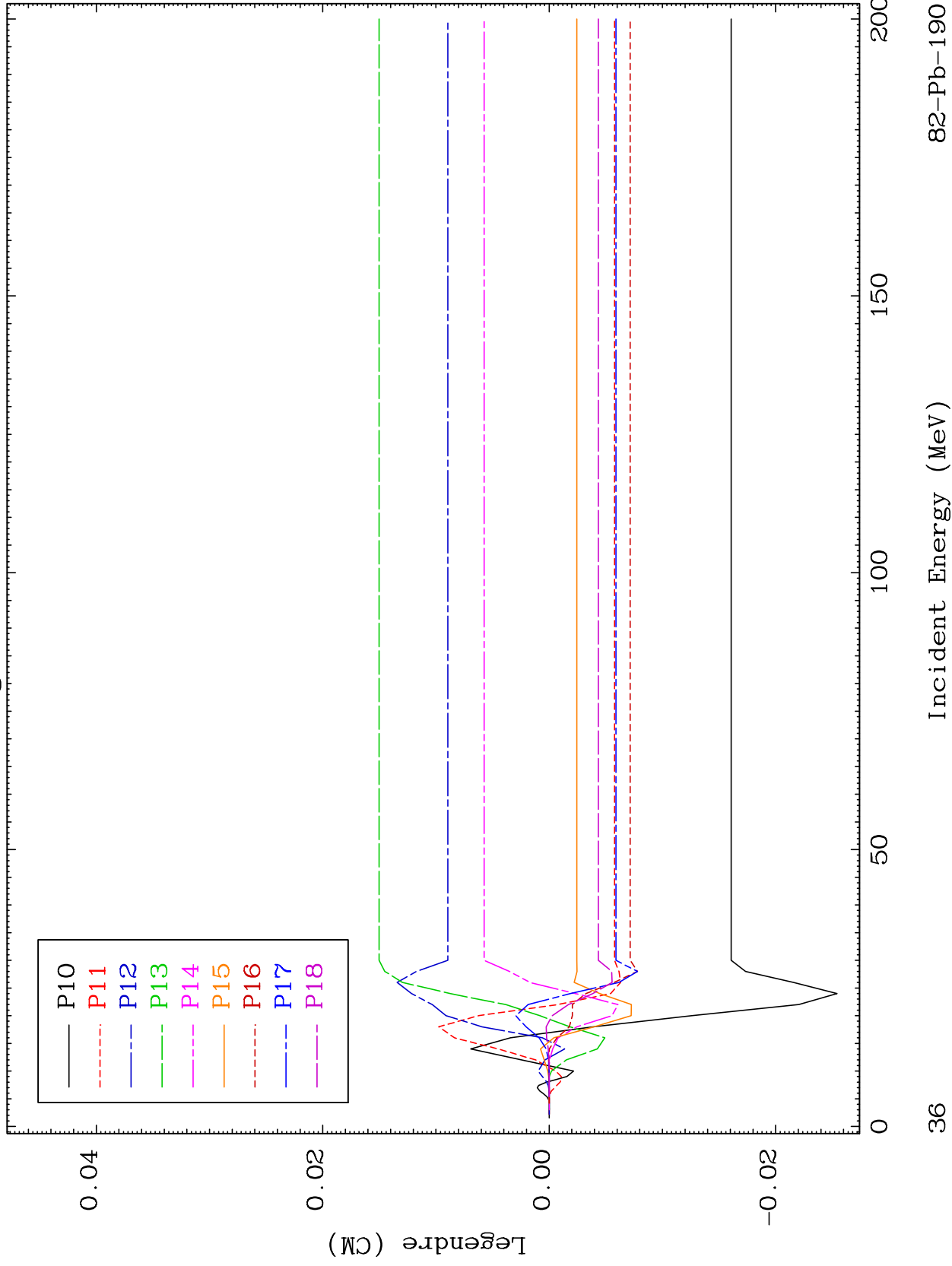
82-Pb-190



MAT 8183

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

82-Pb-190



82-Pb-190

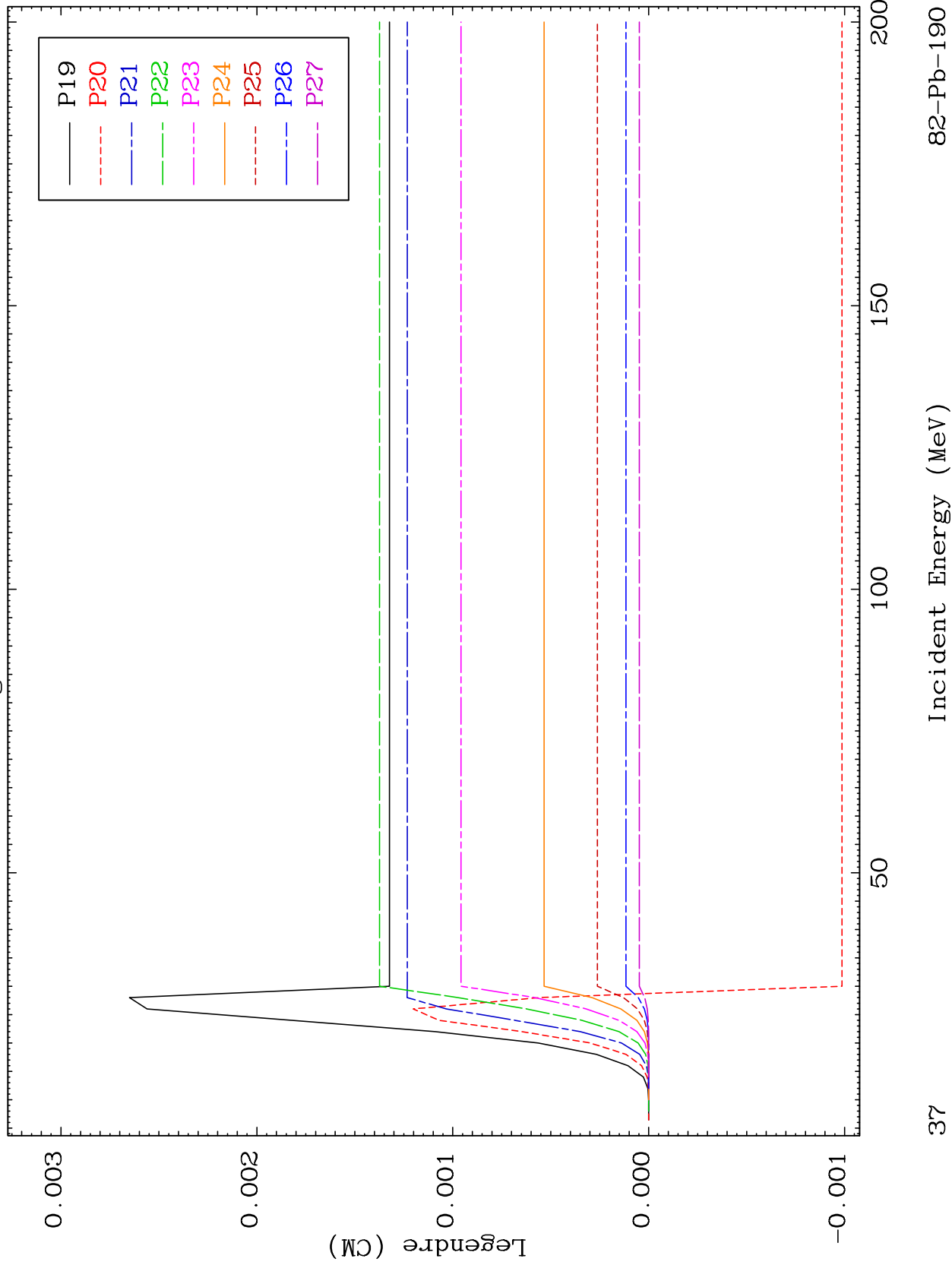
Incident Energy (MeV)

36

MAT 8183

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

82-Pb-190



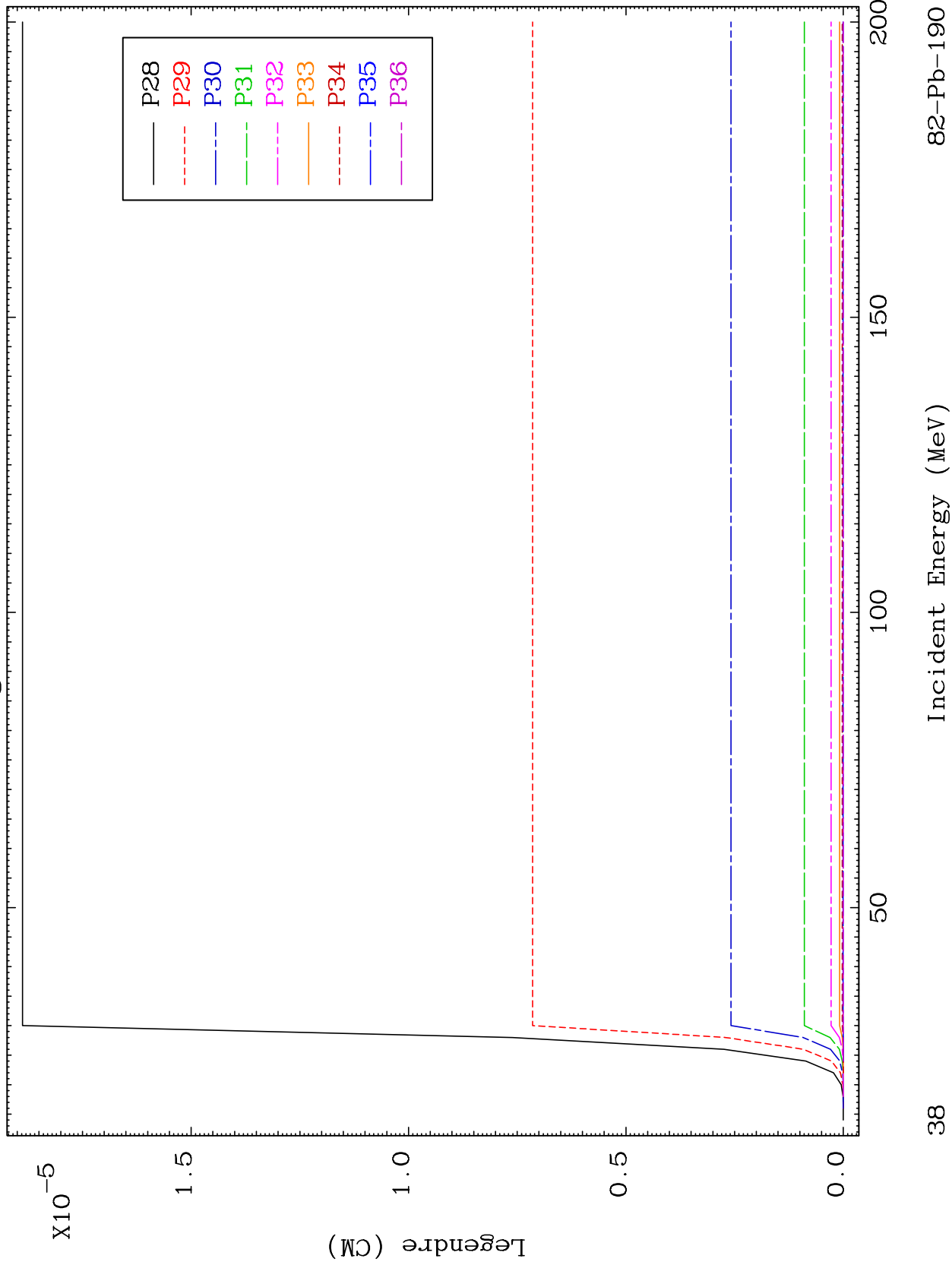
37

82-Pb-190

MAT 8183

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

82-Pb-190

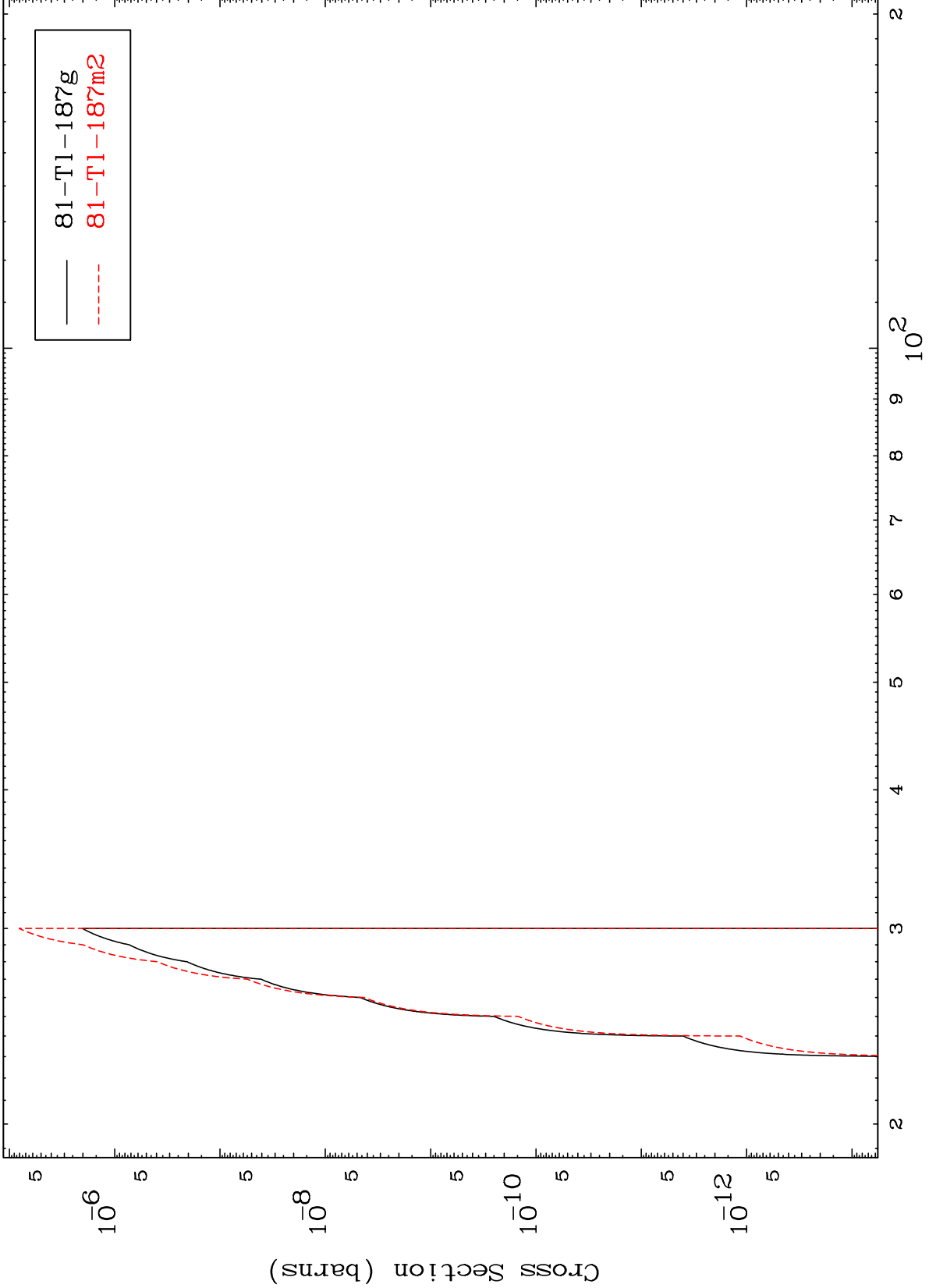


MAT 8183

(n,2n) d

82-Pb-190

Radionuclide Production Cross Section



39

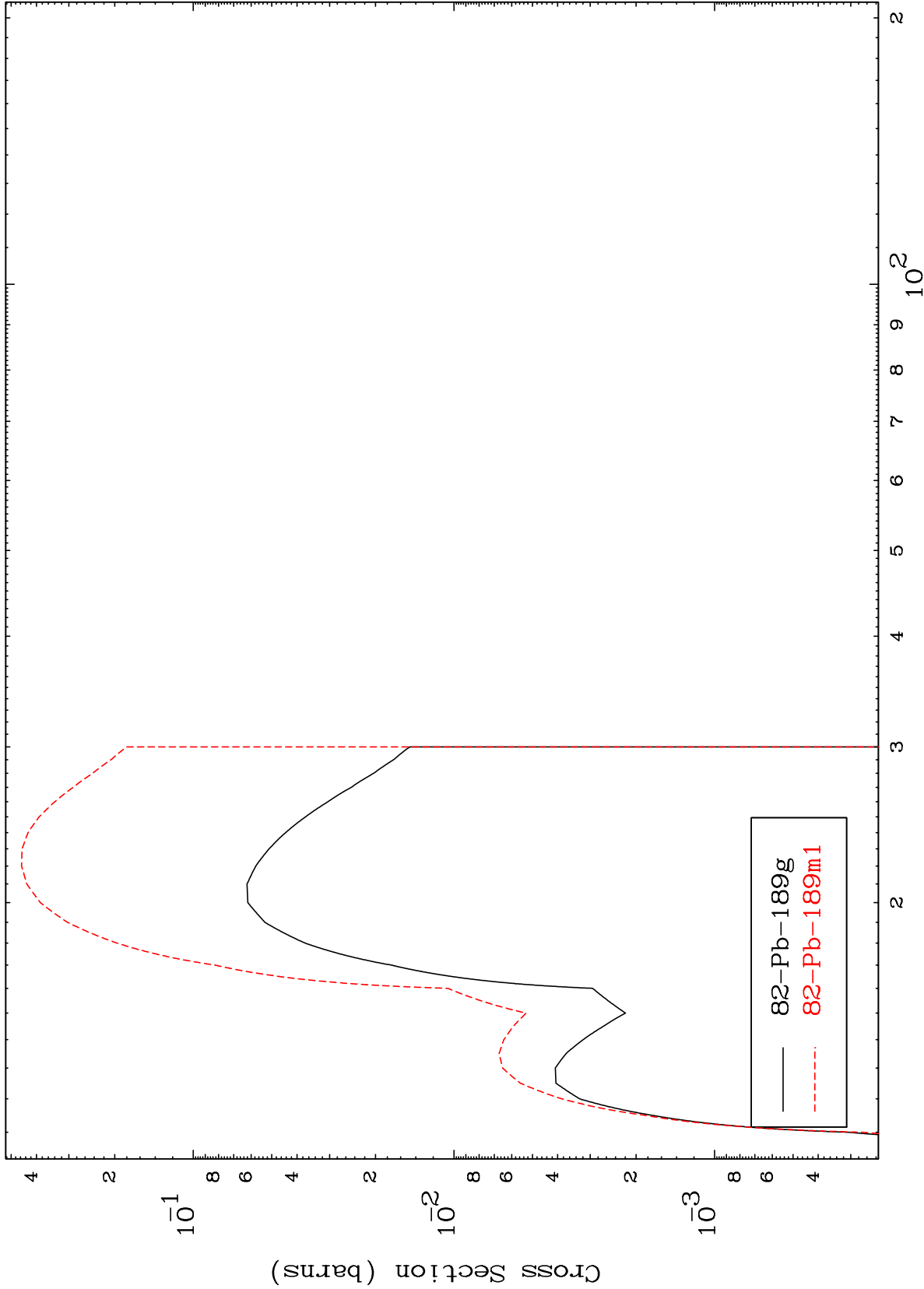
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

(n,2n)
Radionuclide Production Cross Section



82-Pb-190

Incident Energy (MeV)

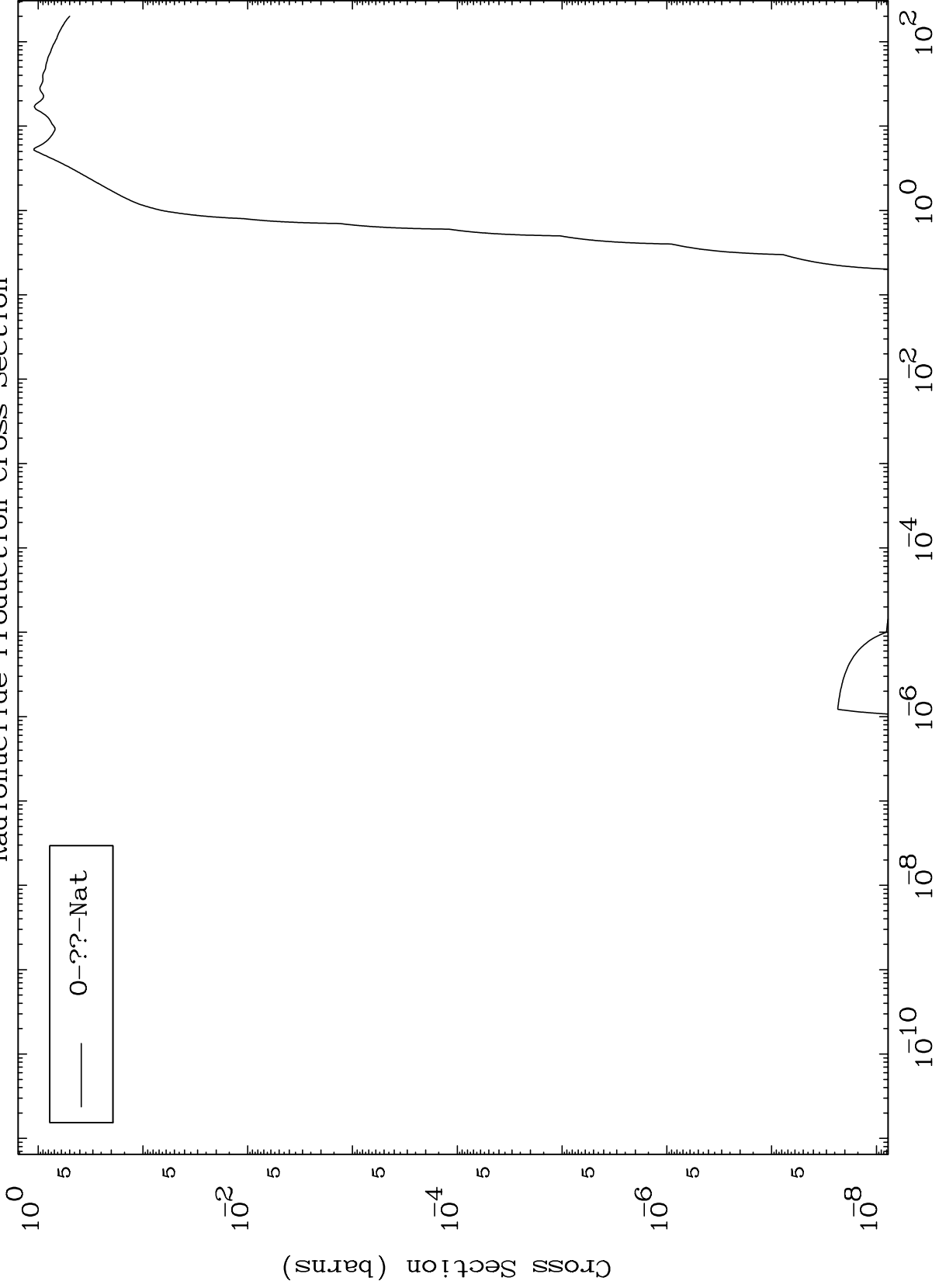
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MAT 8183

Fission

82-Pb-190

Radionuclide Production Cross Section

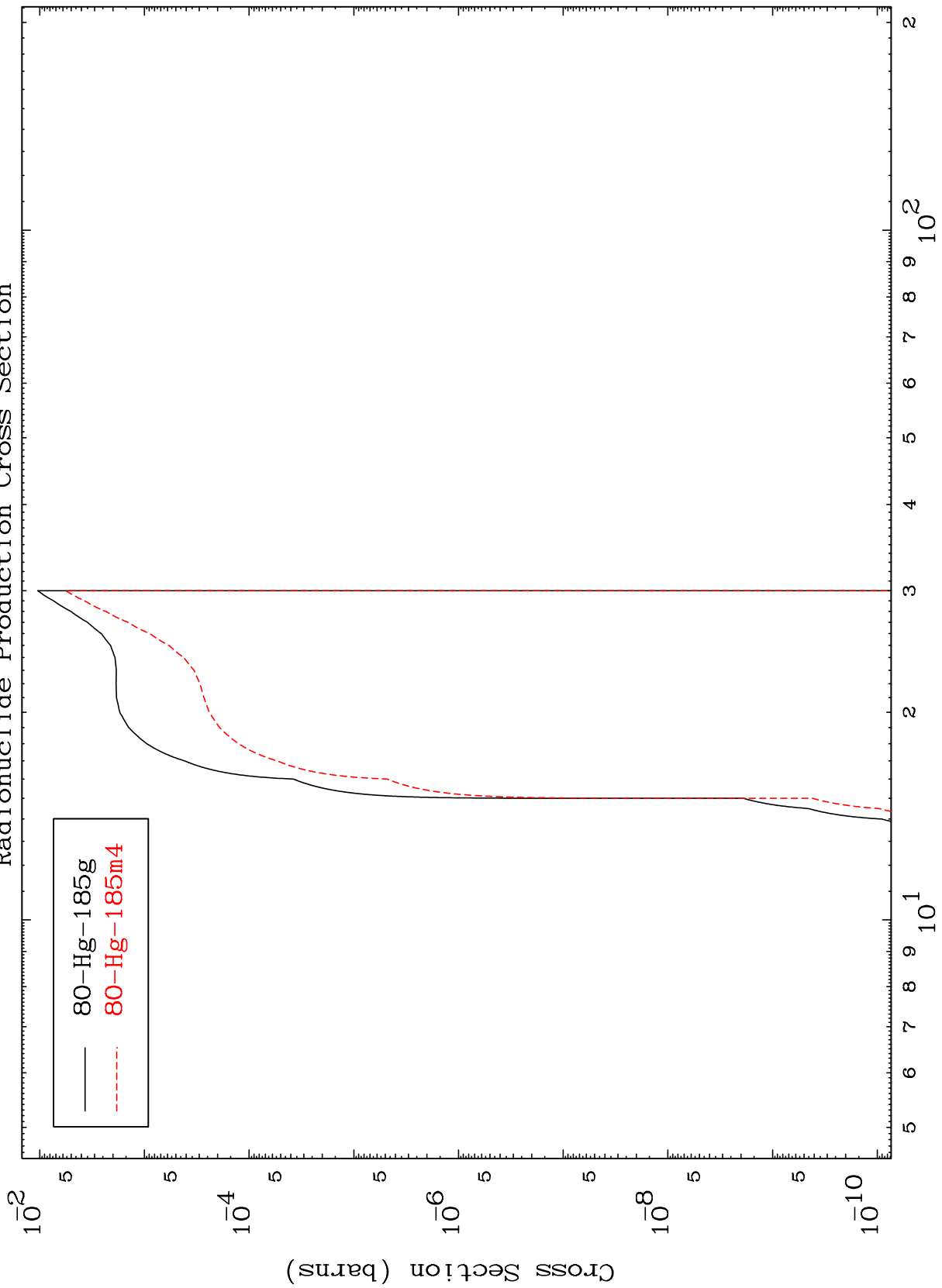


MAT 8183

$(n, 2n)$ α

82-Pb-190

Radionuclide Production Cross Section

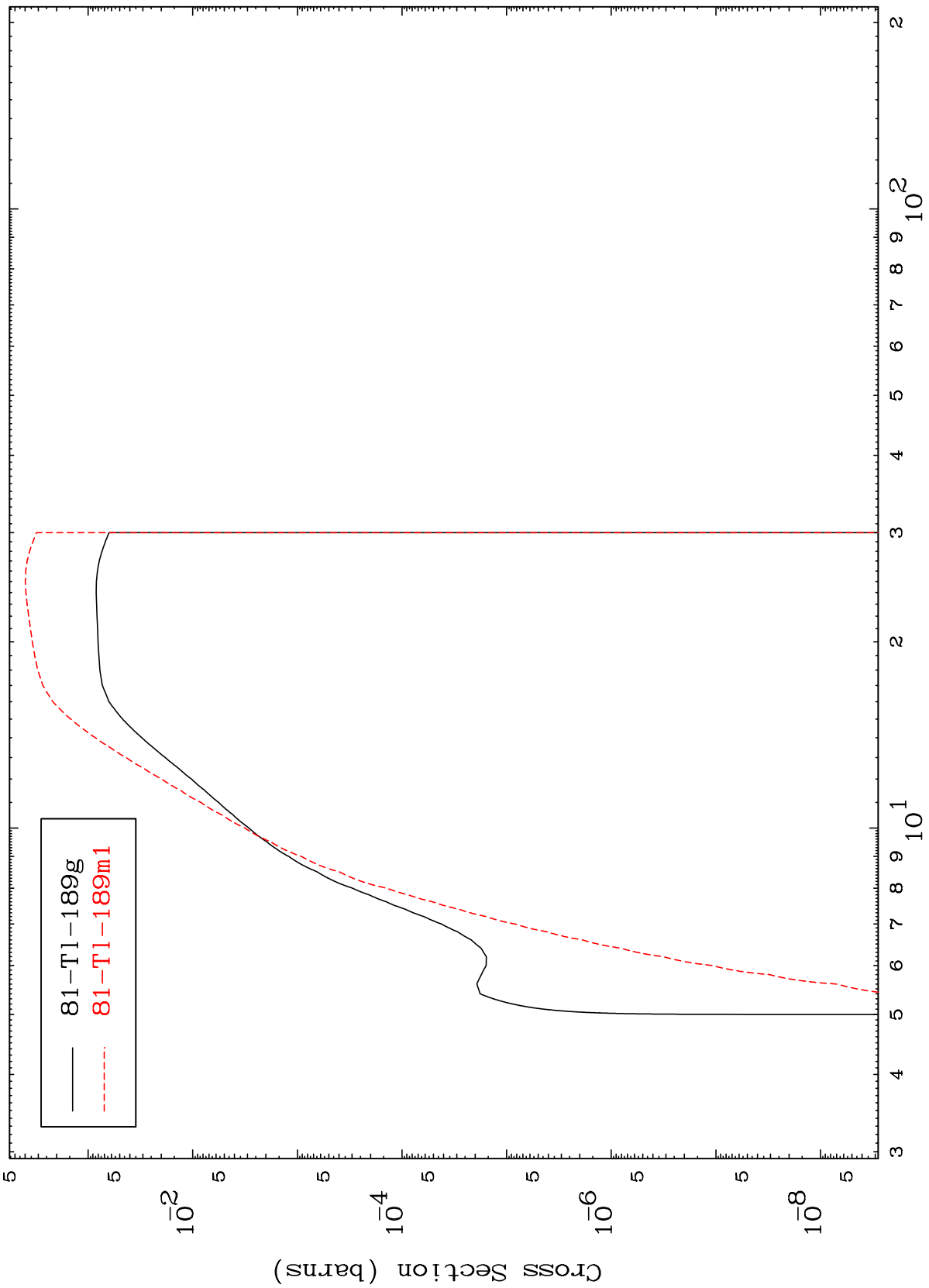


MAT 8183

(n,n') p

82-Pb-190

Radionuclide Production Cross Section



43

Incident Energy (MeV)

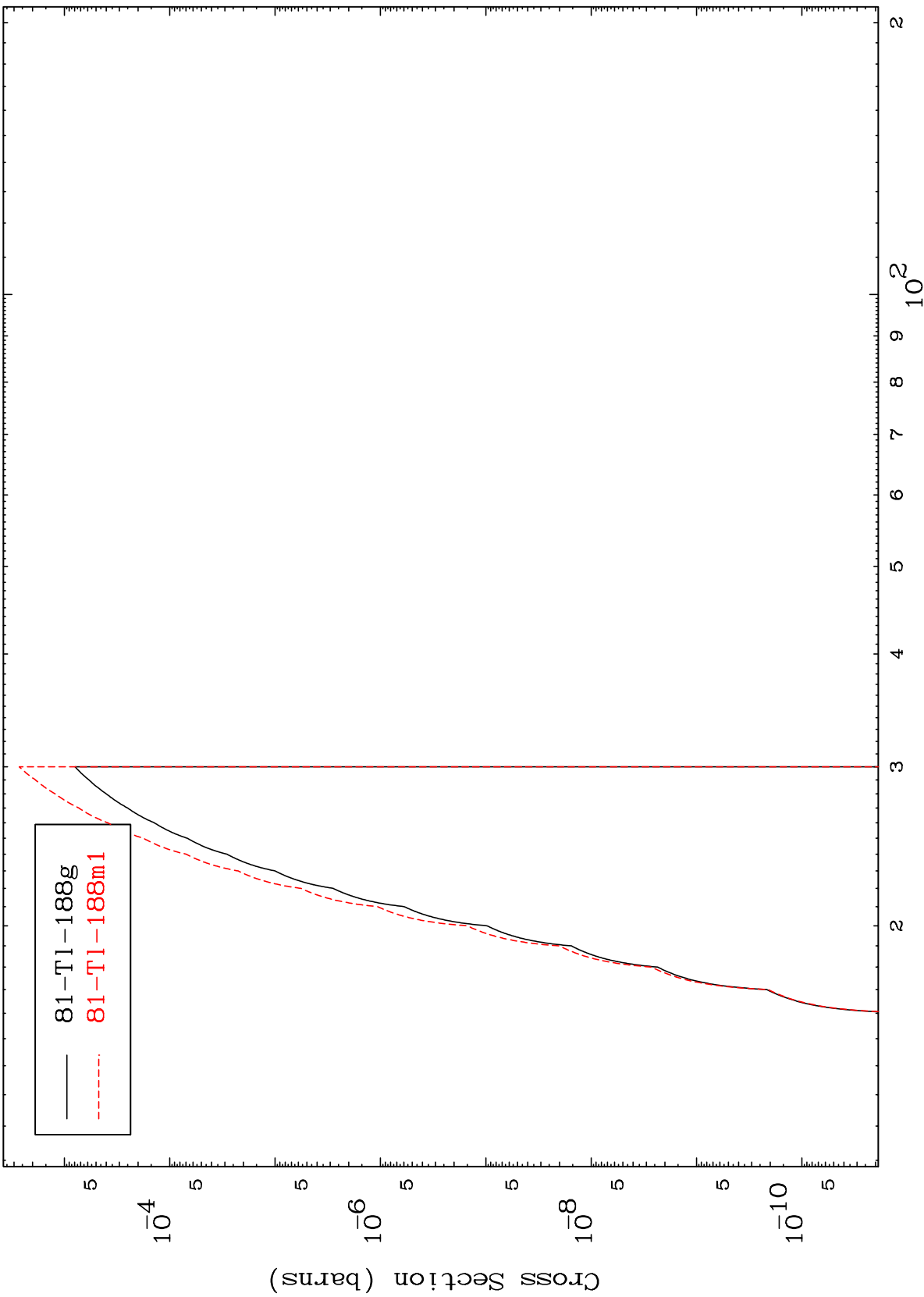
82-Pb-190

MAT 8183

(n,n') d

82-Pb-190

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-190

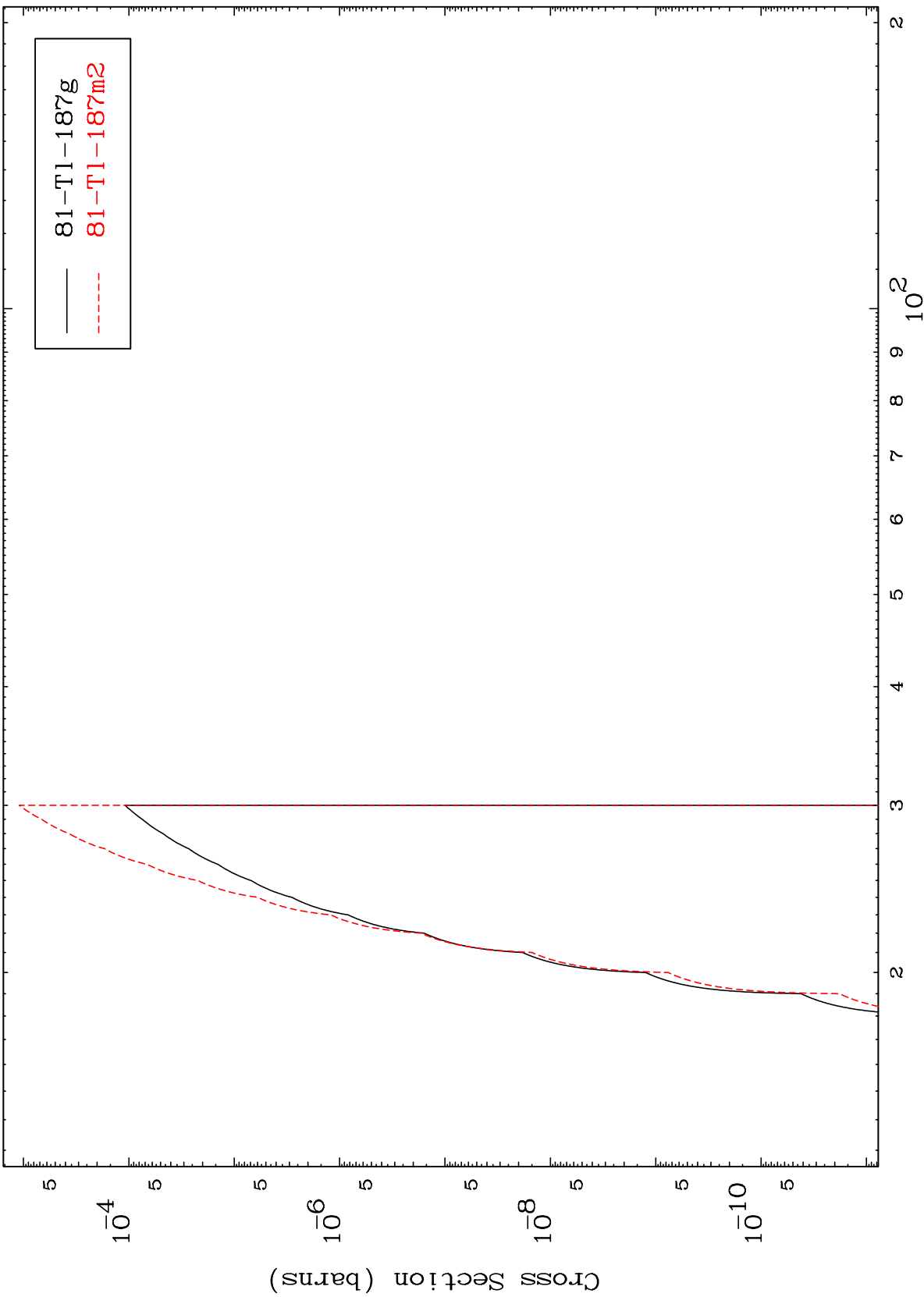
44

MAT 8183

(n,n') t

82-Pb-190

Radionuclide Production Cross Section



45

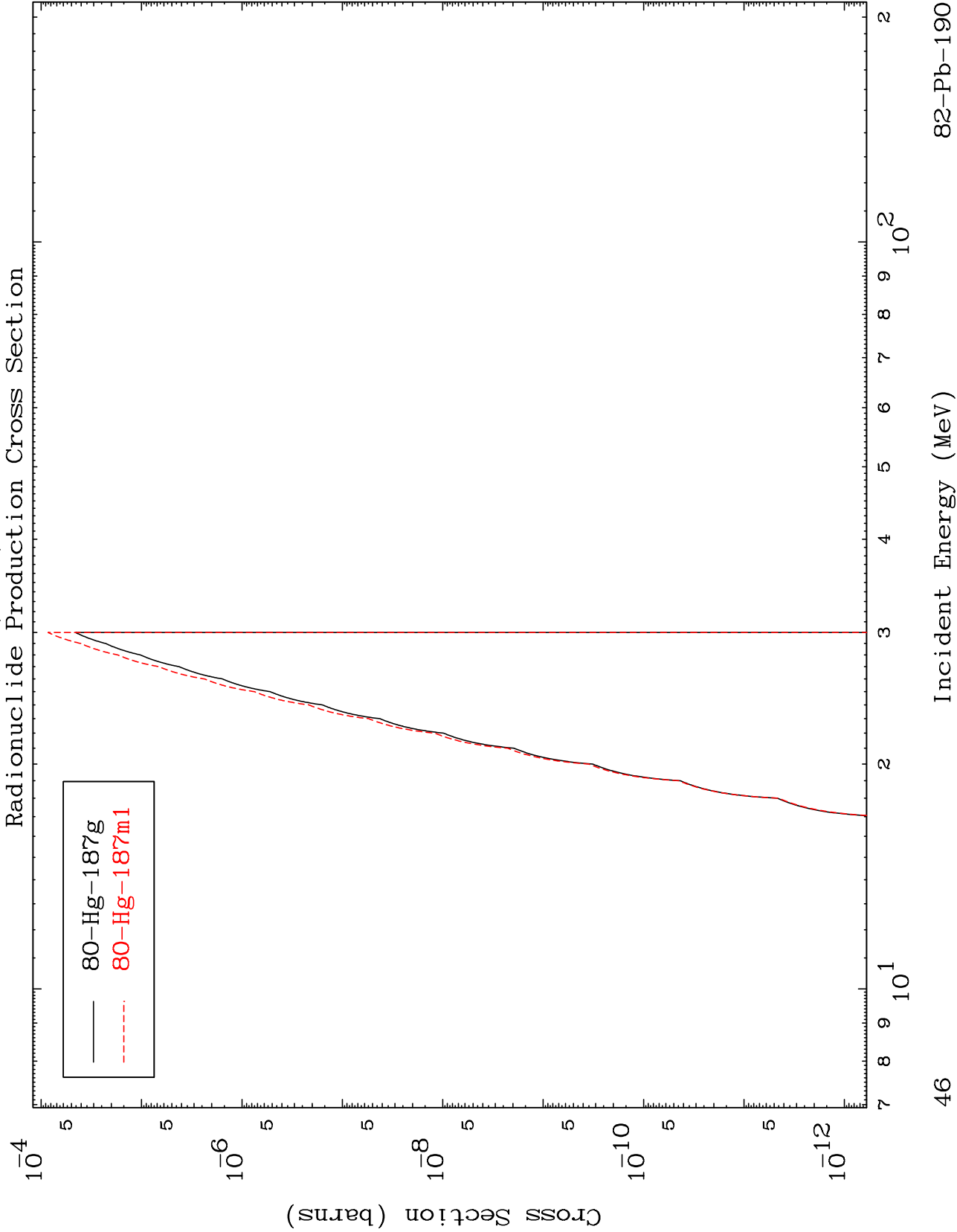
Incident Energy (MeV)

82-Pb-190

MAT 8183

(n,n') He-3

82-Pb-190

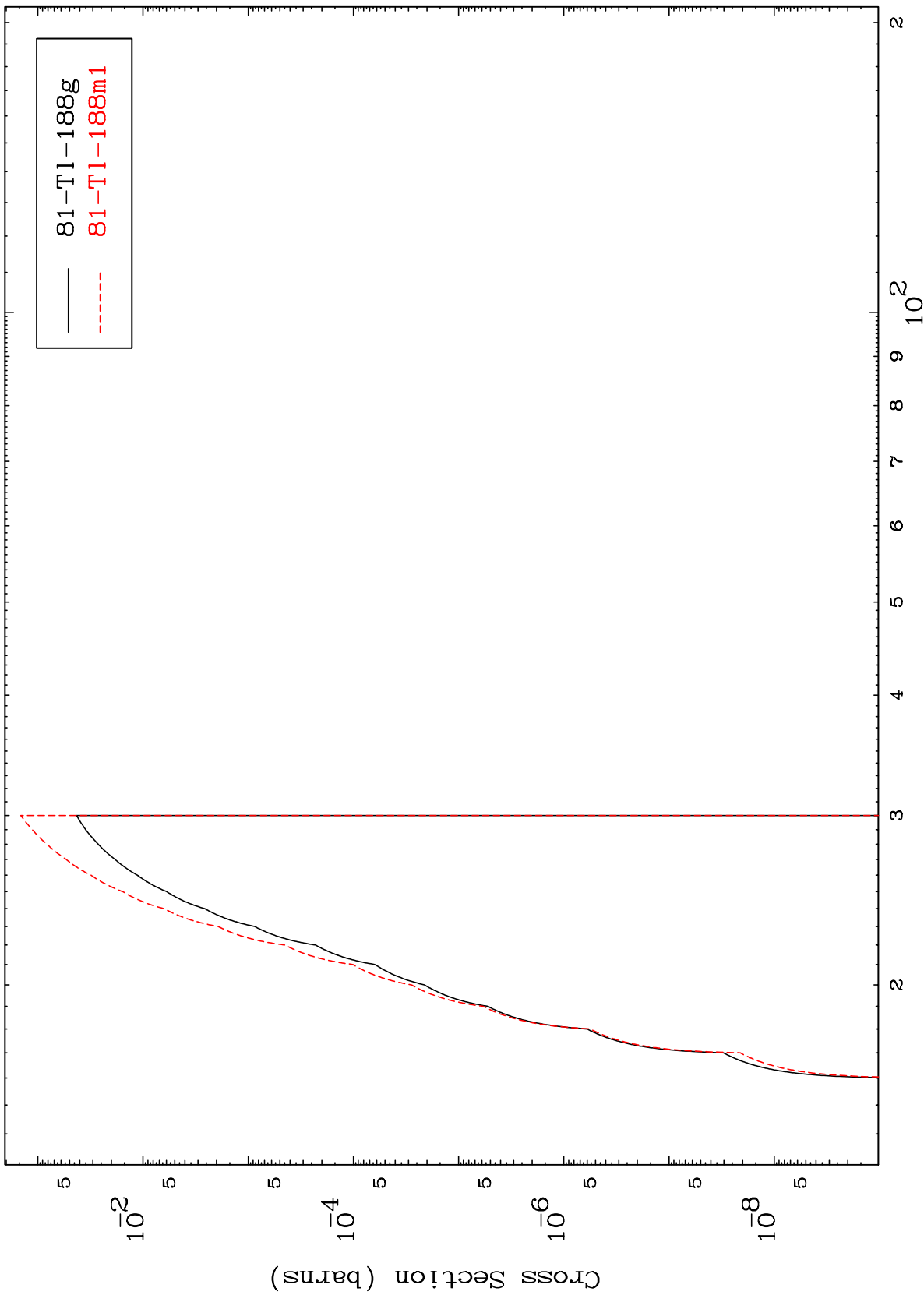


MAT 8183

(n,2n) p

82-Pb-190

Radionuclide Production Cross Section



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

47

Incident Energy (MeV)

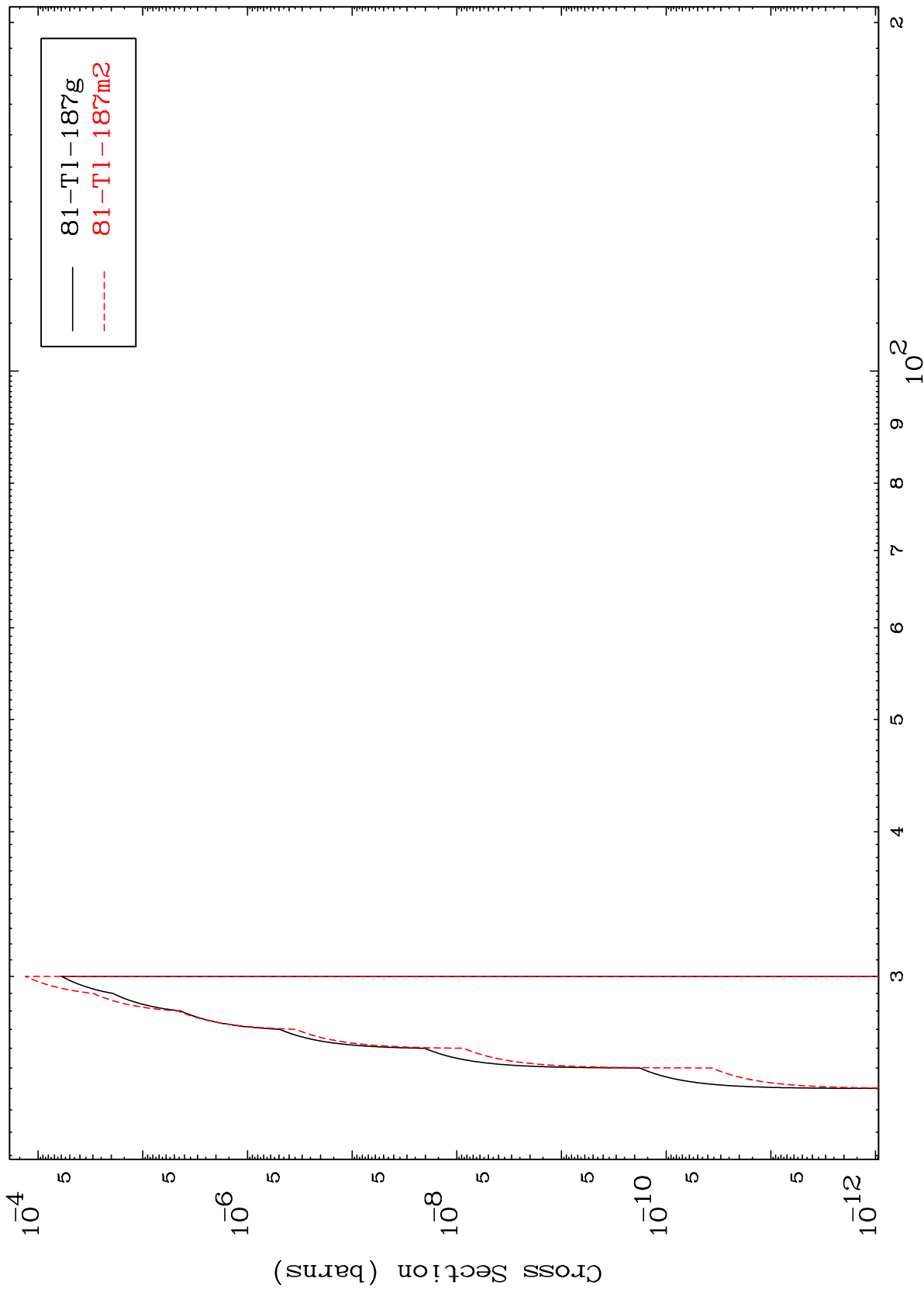
82-Pb-190

MAT 8183

(n,3n) p

82-Pb-190

Radionuclide Production Cross Section



81-Tl-187g
81-Tl-187m2

48

Incident Energy (MeV)

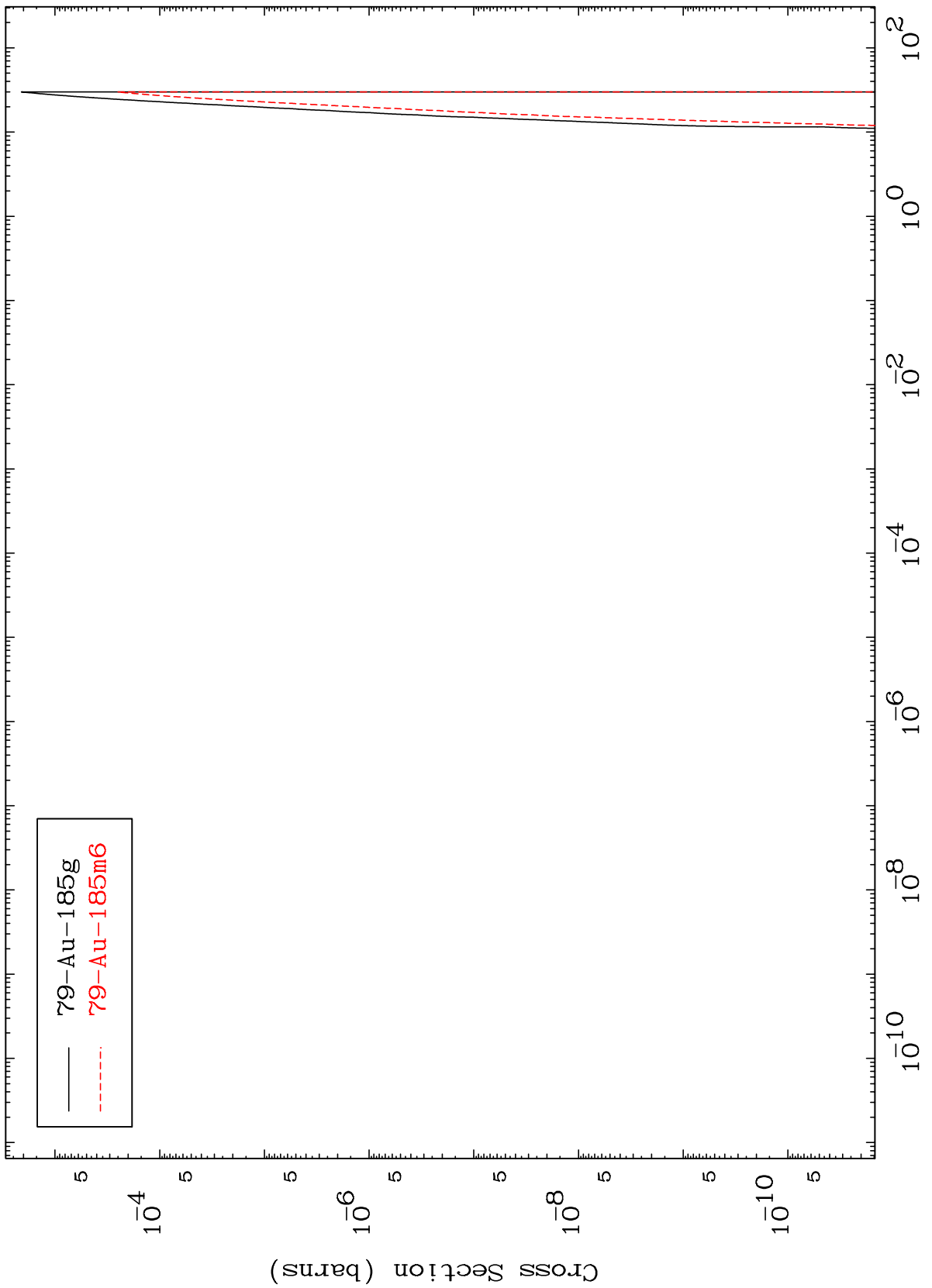
82-Pb-190

MAT 8183

(n,n') p α

82-Pb-190

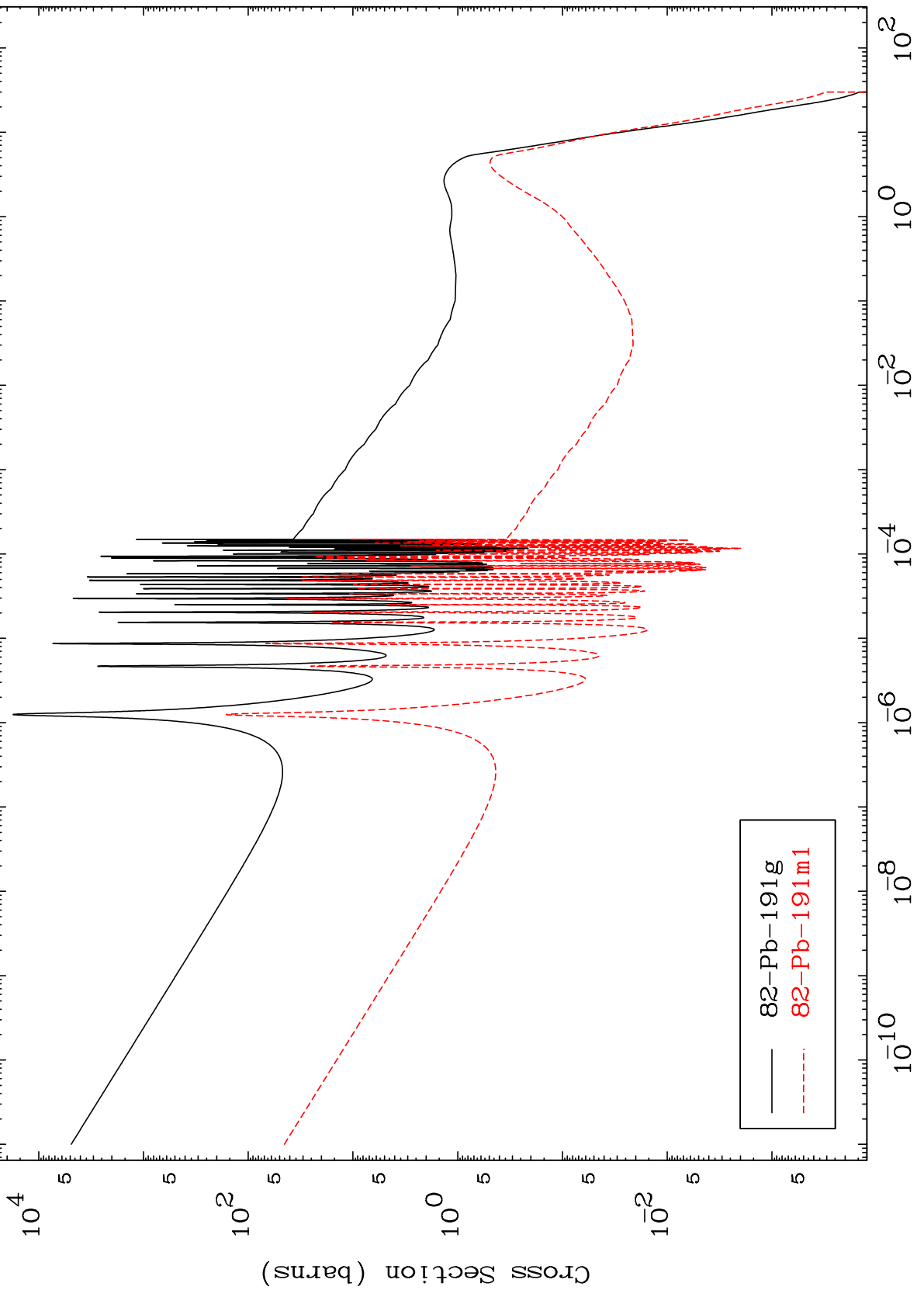
Radionuclide Production Cross Section



MAT 8183

82-Pb-190

(n, γ)
Radionuclide Production Cross Section



82-Pb-190

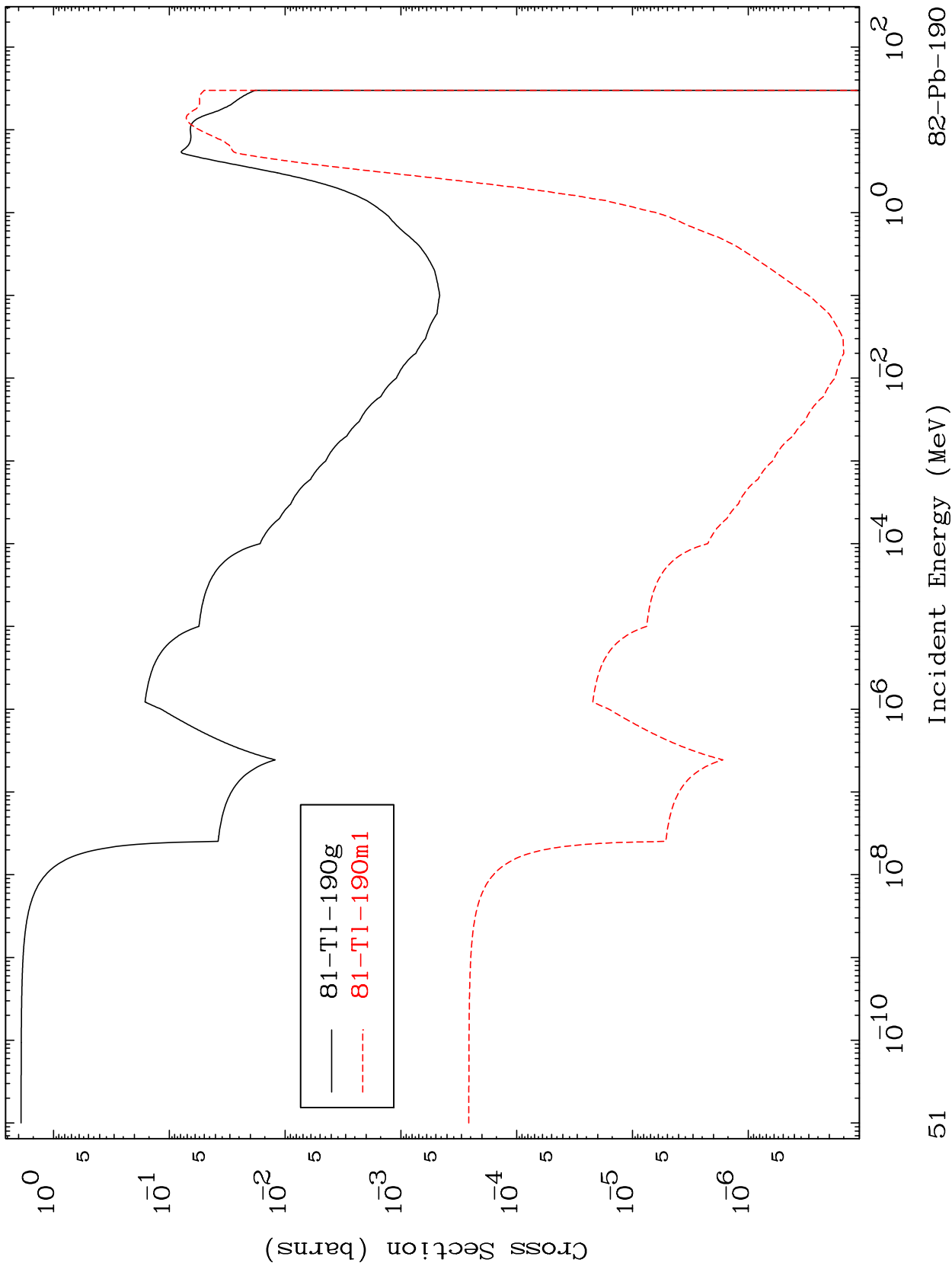
Incident Energy (MeV)

50

MAT 8183

82-Pb-190

(n,p)
Radionuclide Production Cross Section

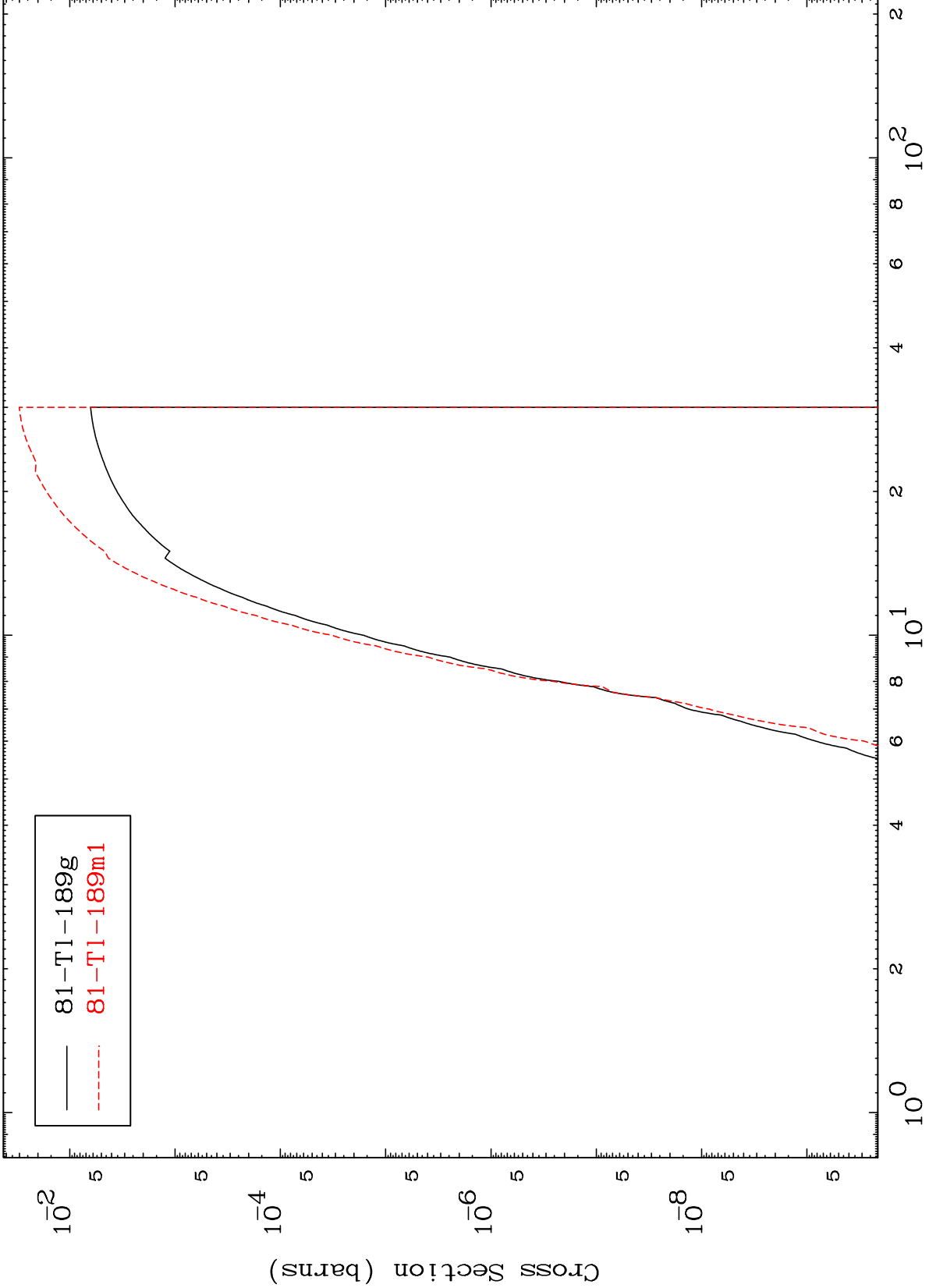
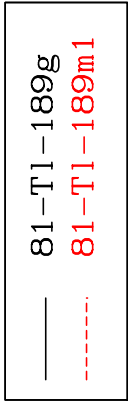


MAT 8183

(n,d)

82-Pb-190

Radionuclide Production Cross Section



52

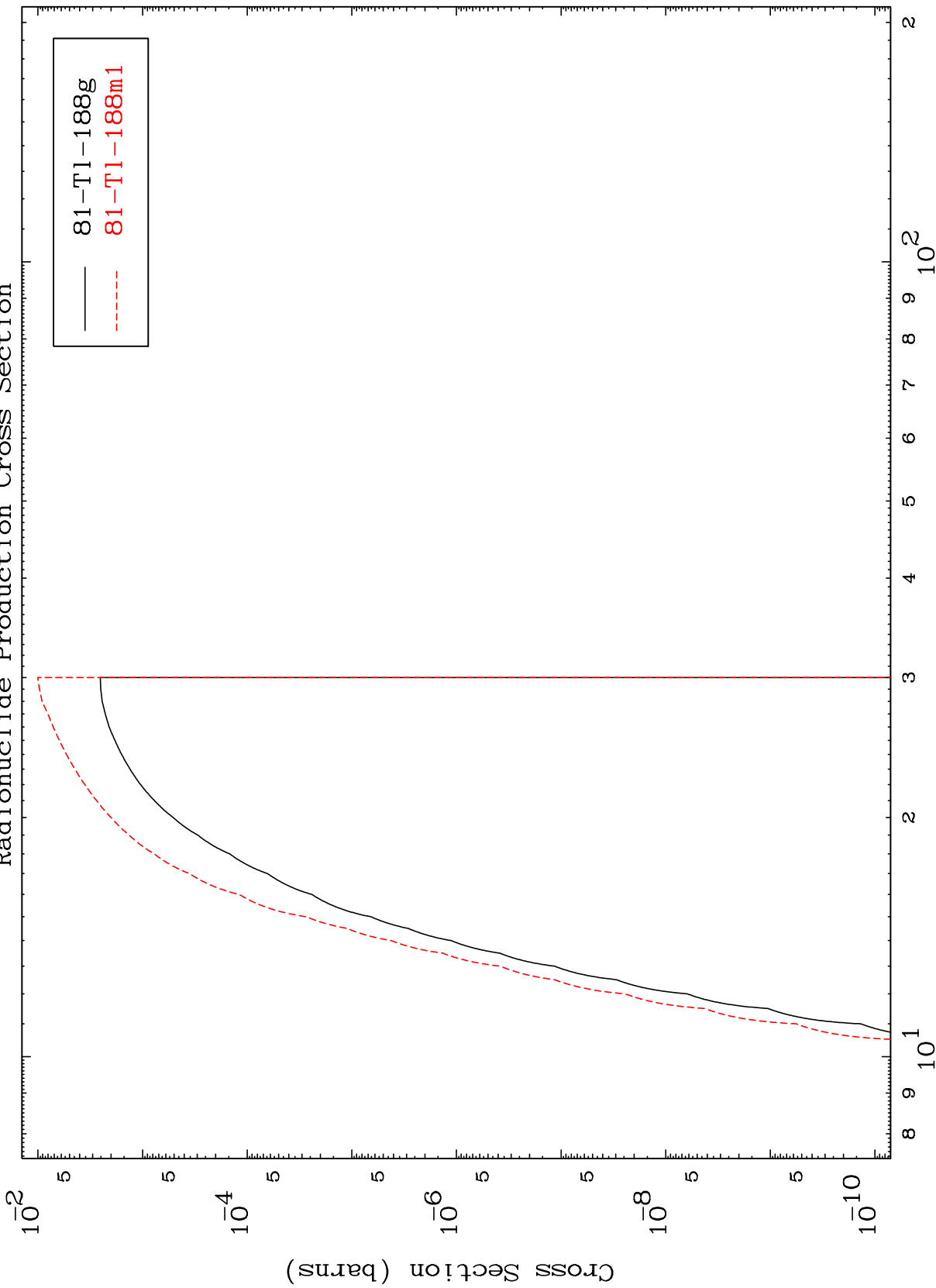
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

(n,t)
Radionuclide Production Cross Section



Incident Energy (MeV)

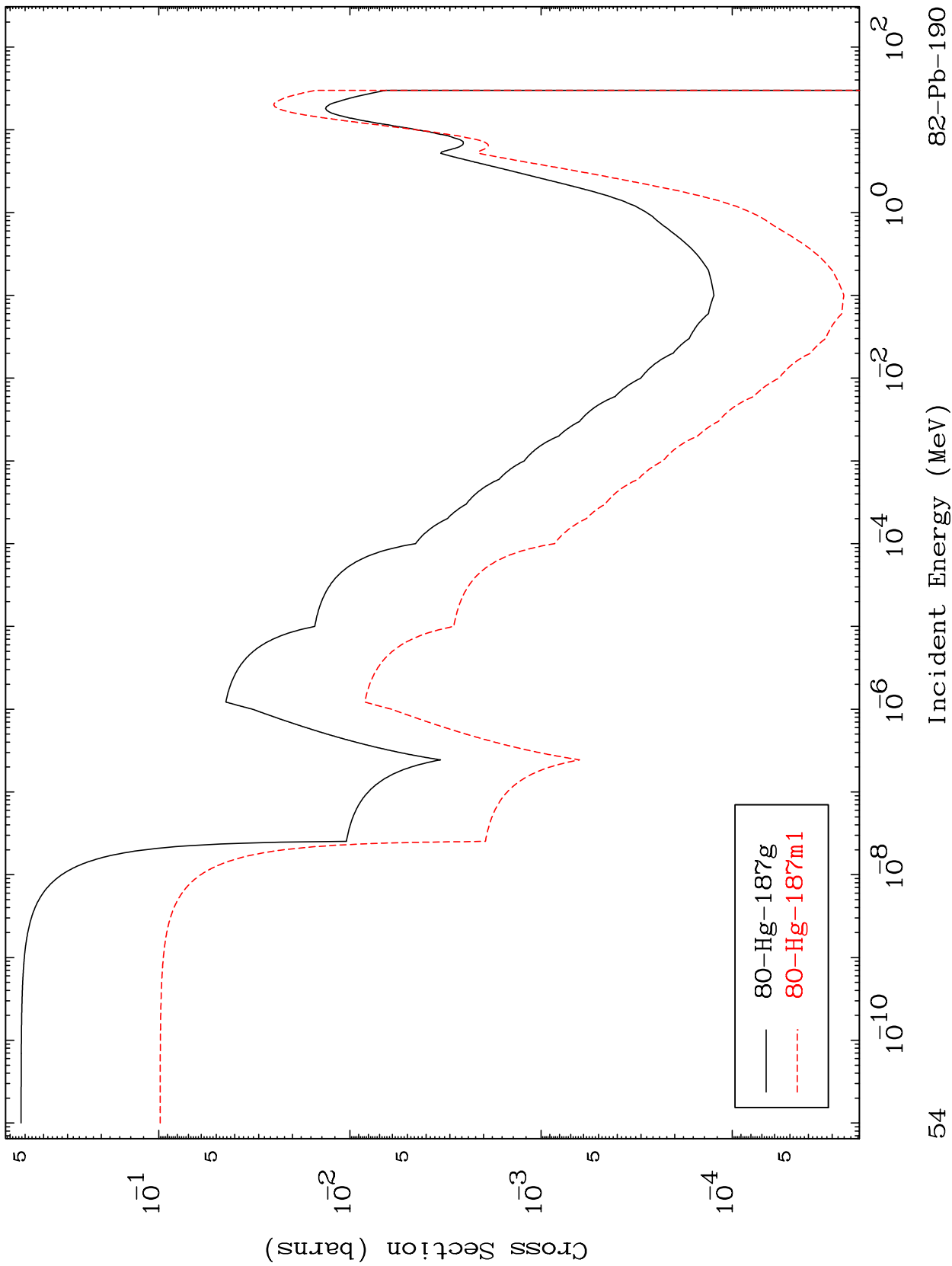
82-Pb-190

53

MAT 8183

82-Pb-190

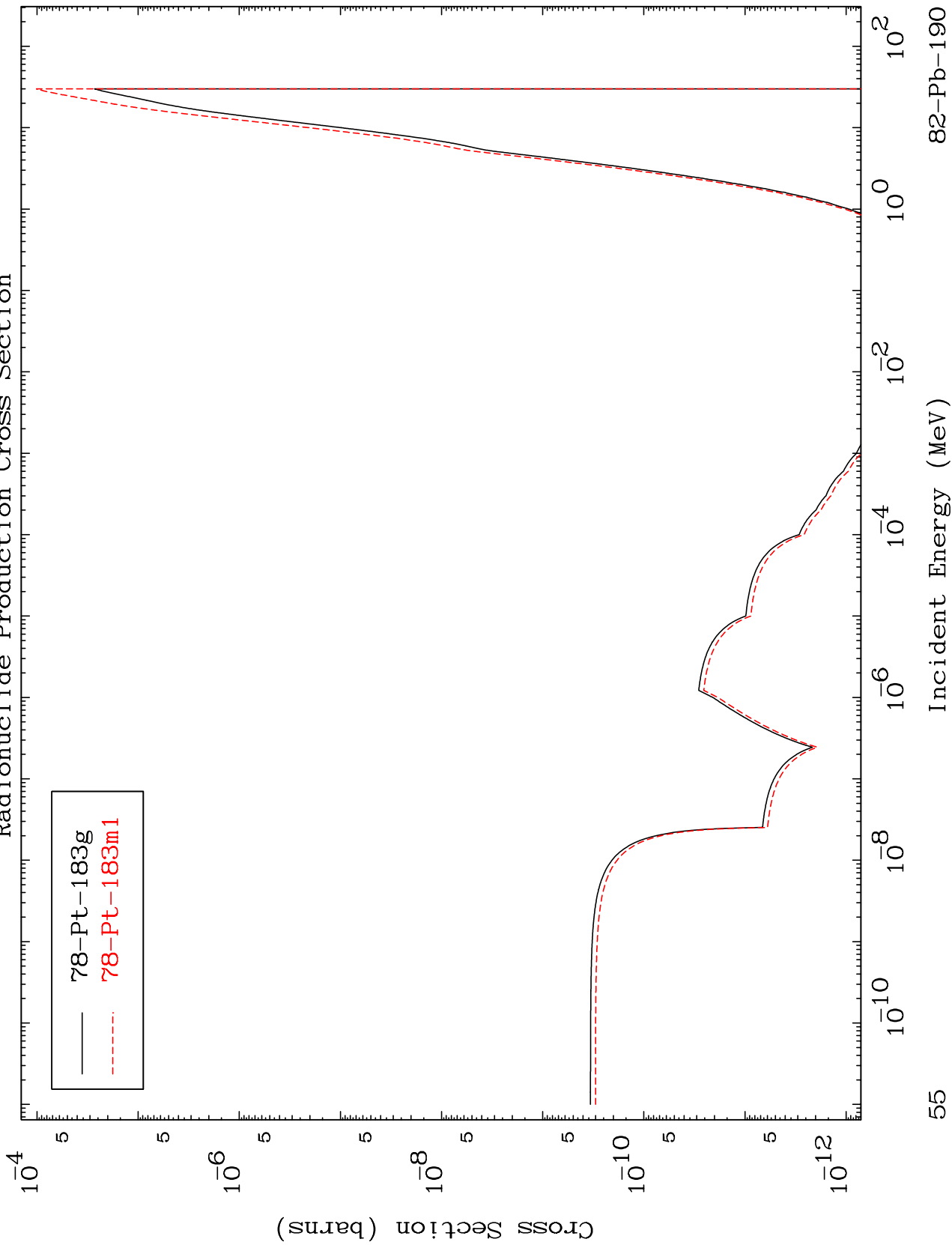
Radionuclide Production Cross Section
(n, α)



MAT 8183

82-Pb-190

(n,2α)
Radionuclide Production Cross Section



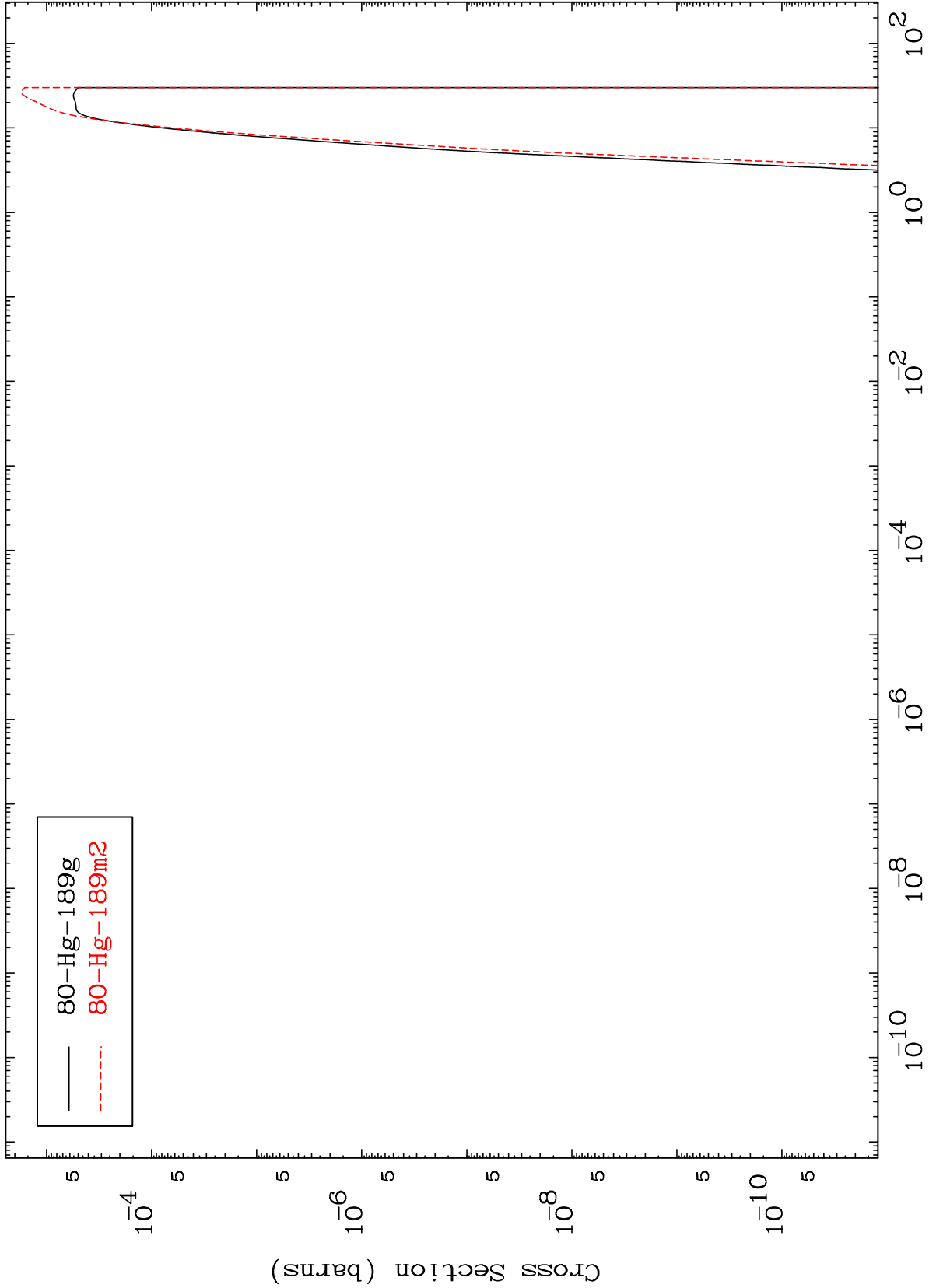
78-Pt-183g
78-Pt-183m1

MAT 8183

(n,2p)

82-Pb-190

Radionuclide Production Cross Section

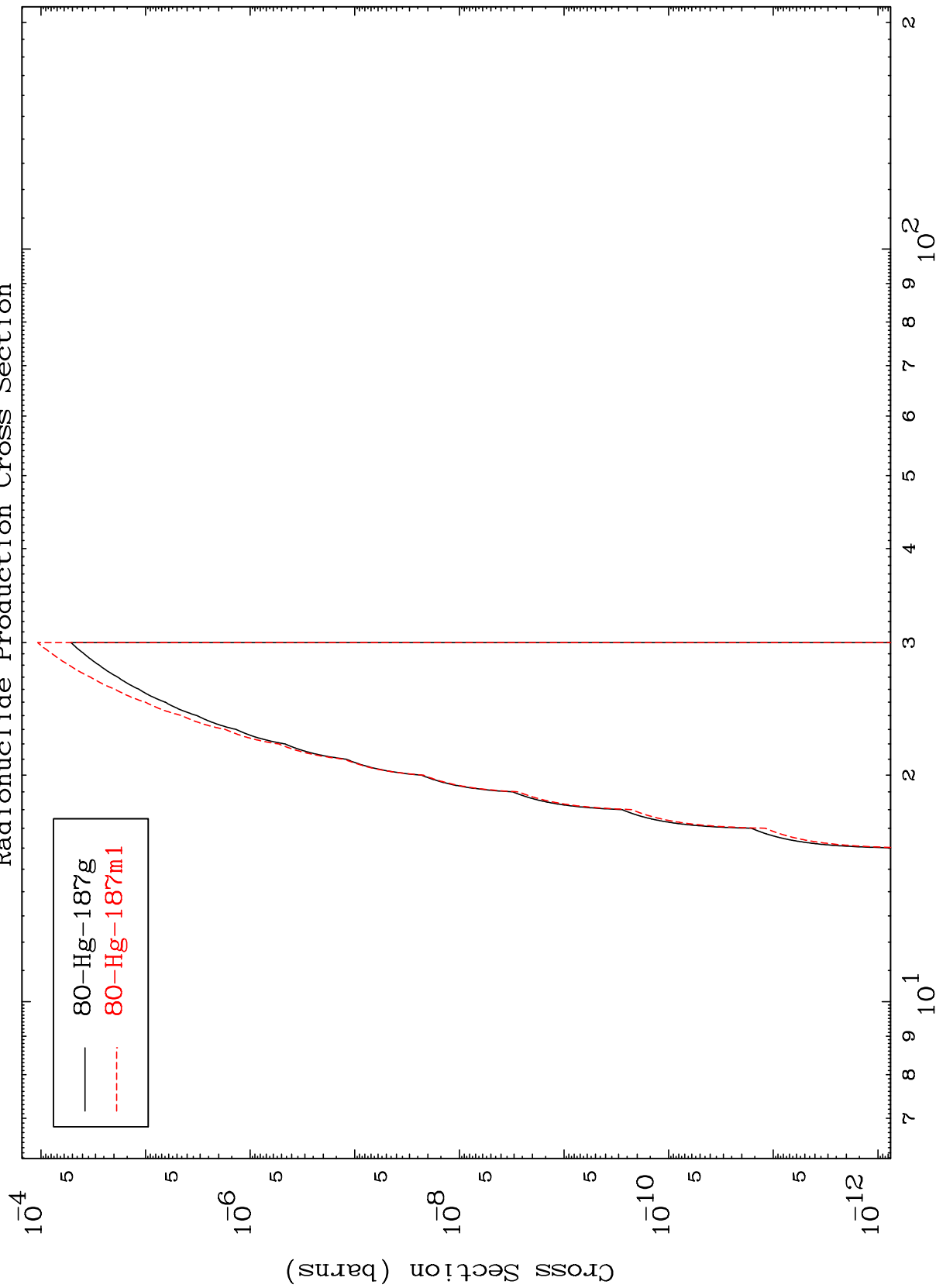


MAT 8183

(n,p) t

82-Pb-190

Radionuclide Production Cross Section



57

Incident Energy (MeV)

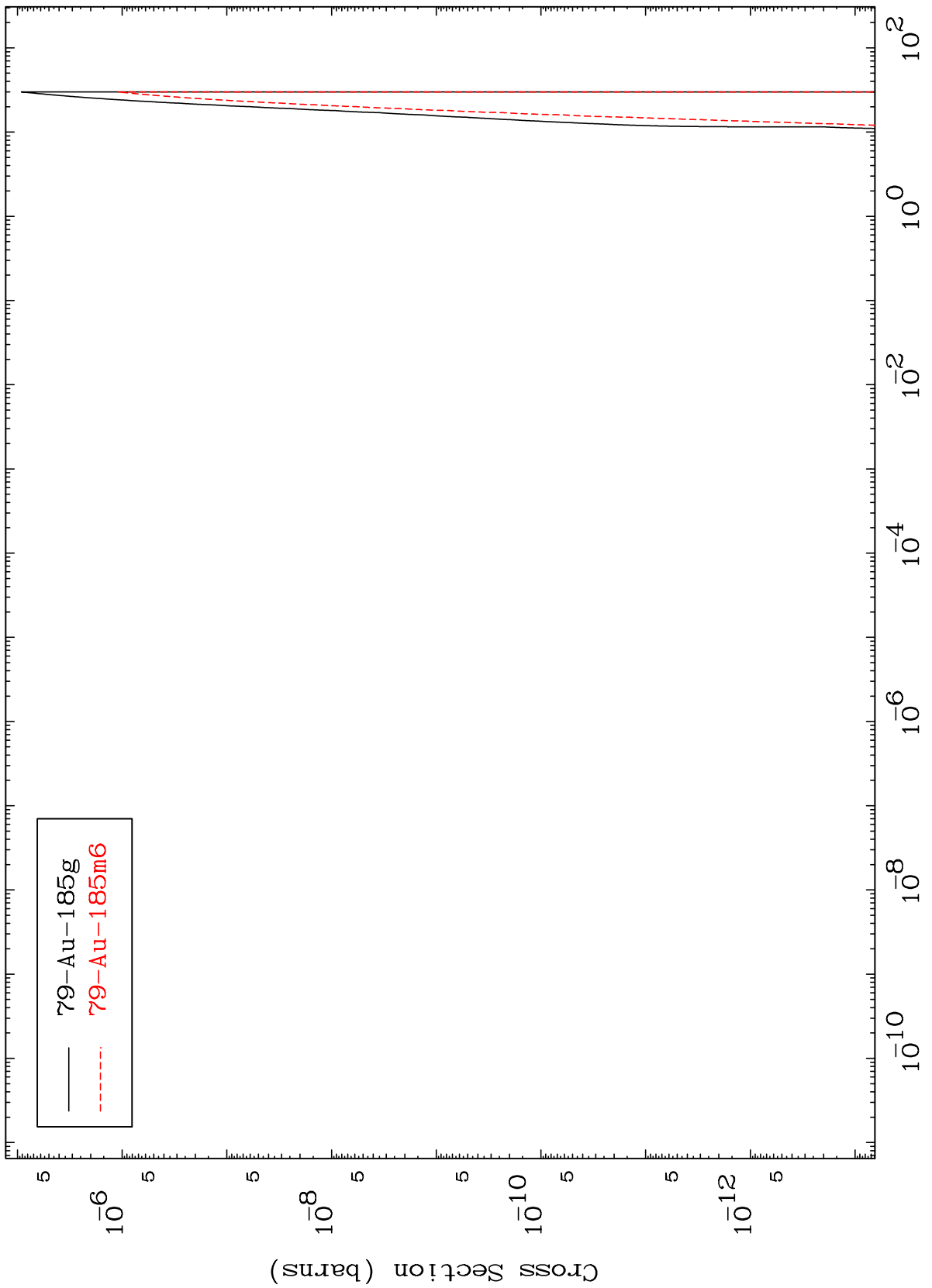
82-Pb-190

MAT 8183

(n,d) α

82-Pb-190

Radionuclide Production Cross Section



— $^{79}\text{Au-185g}$
- - - $^{79}\text{Au-185m6}$