

Program EVALPLOT
(Version 2018-1)

by

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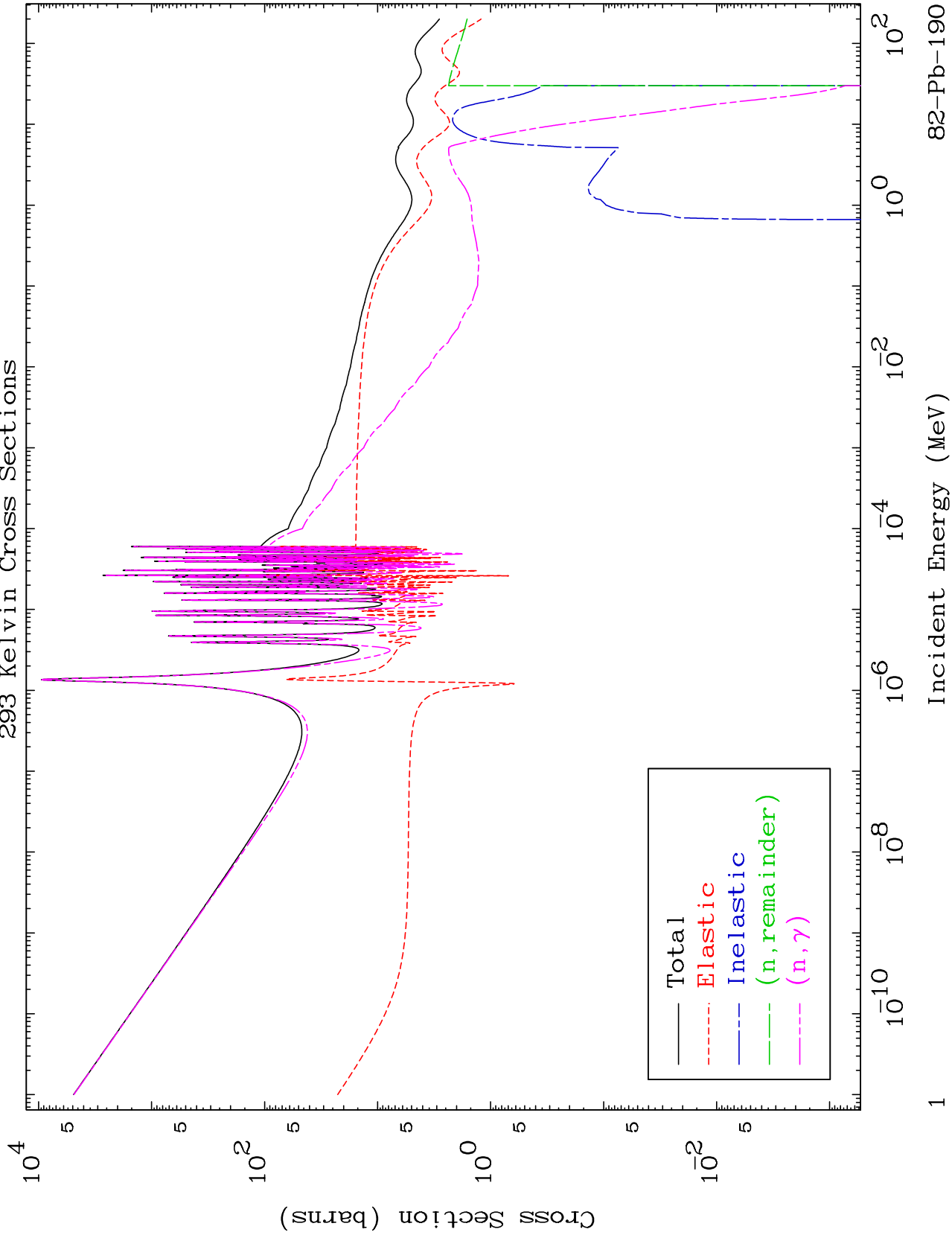
Press Mouse Button to Start

MAT 8183

Major

293 Kelvin Cross Sections

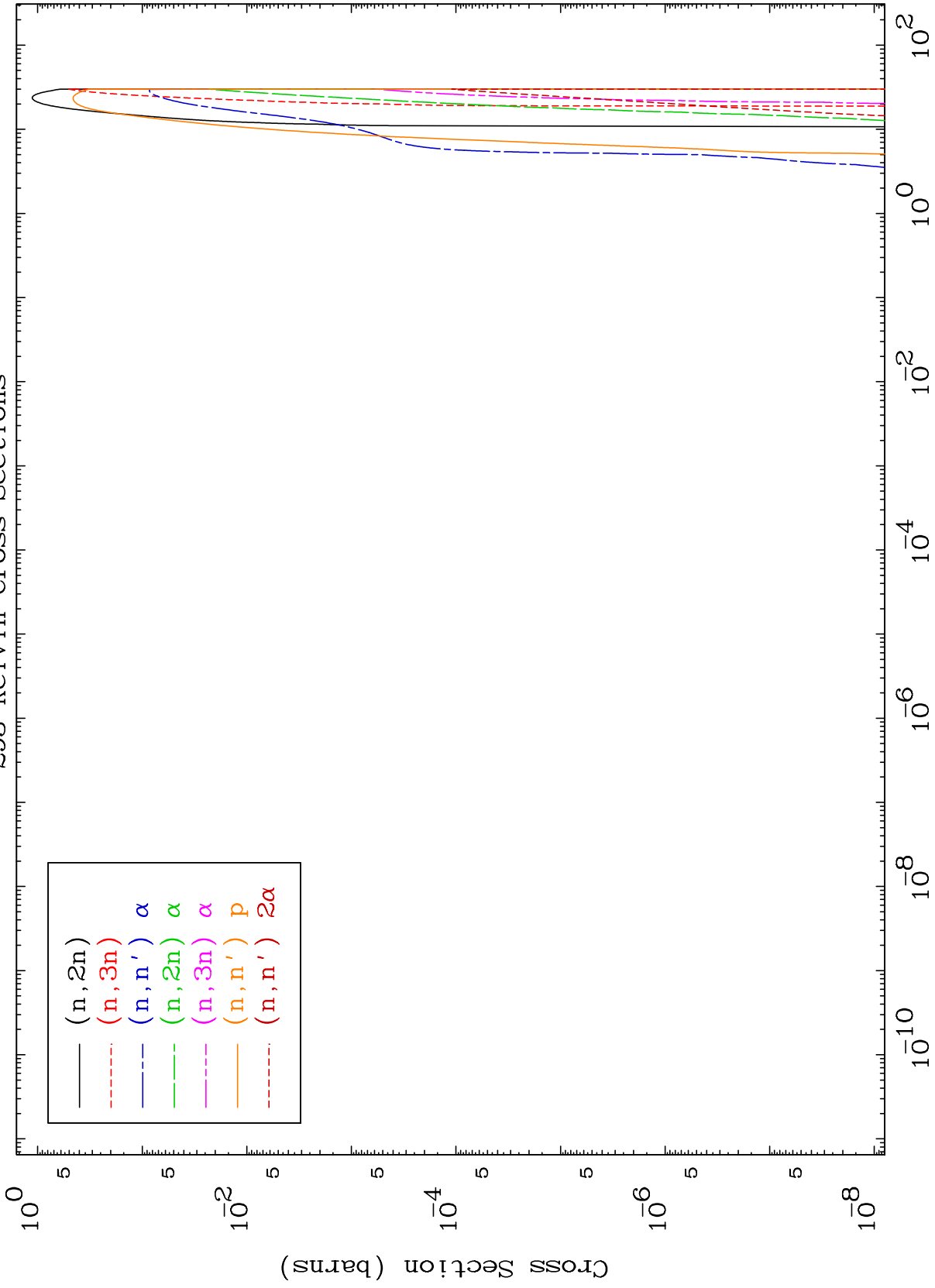
82-Pb-190



MAT 8183

Neutron Production
293 Kelvin Cross Sections

82-Pb-190



2

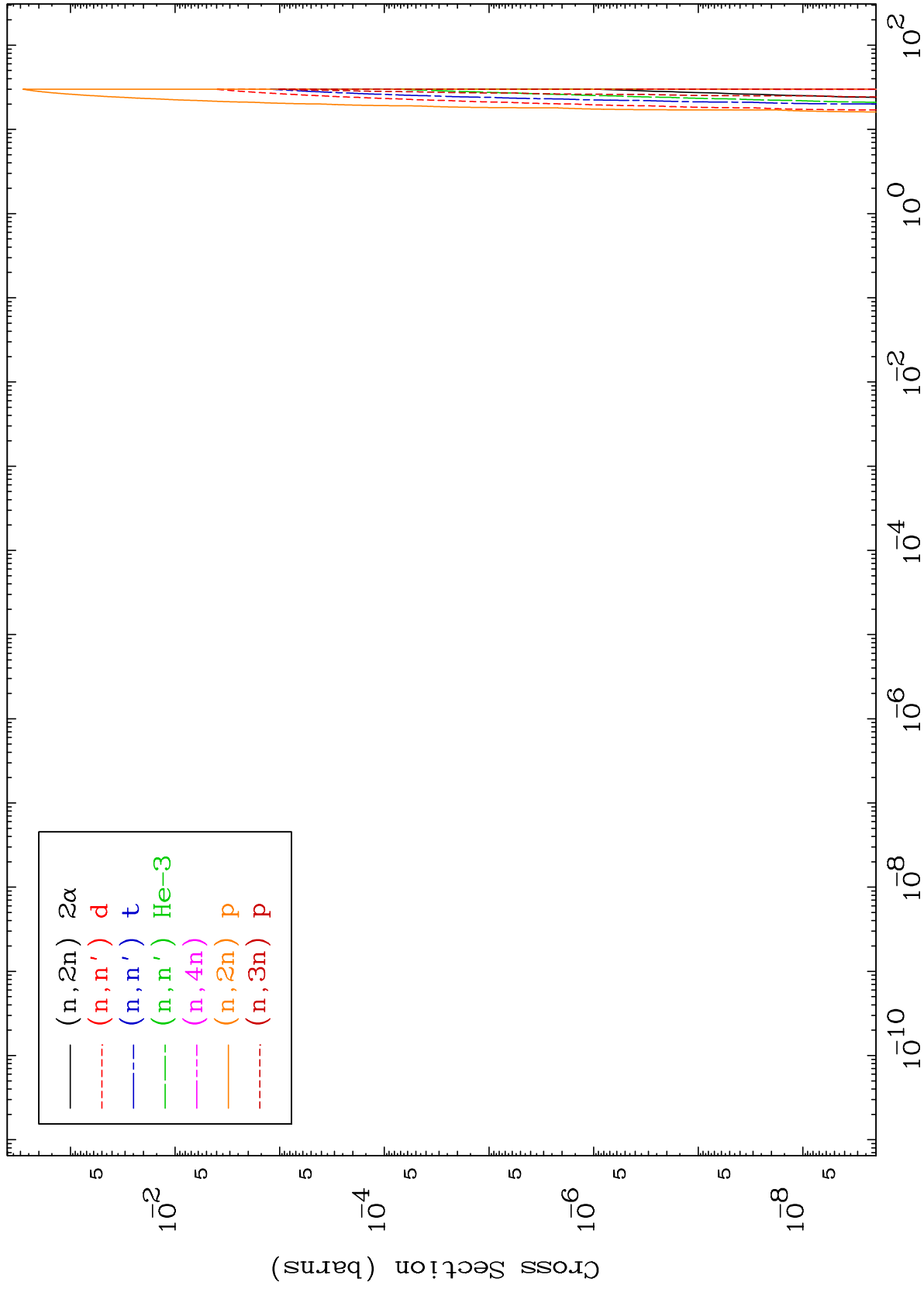
Incident Energy (MeV)

82-Pb-190

MAT 8183

Neutron Production
293 Kelvin Cross Sections

82-Pb-190



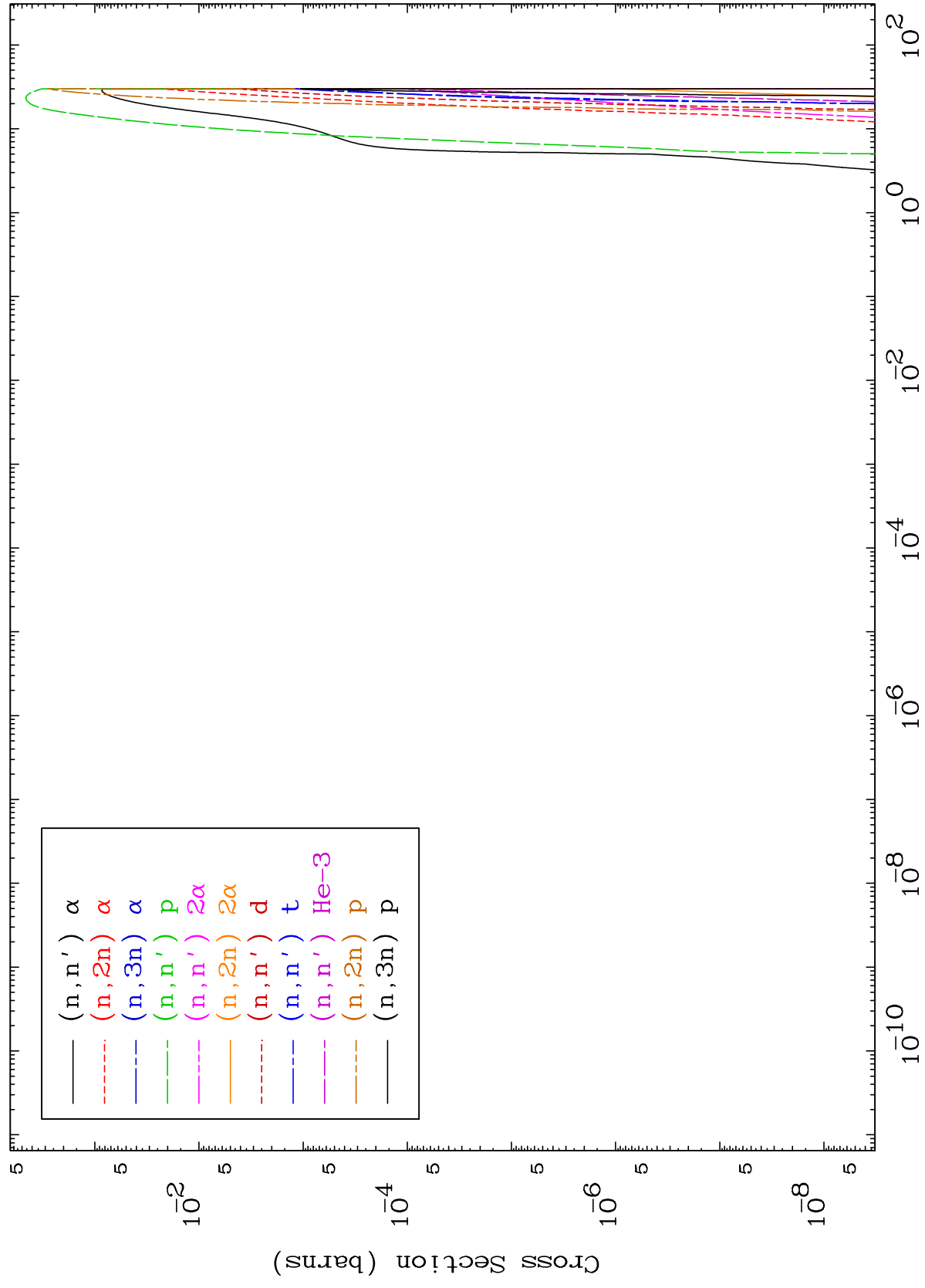
3

82-Pb-190

MAT 8183

Charged Particle
293 Kelvin Cross Sections

82-Pb-190

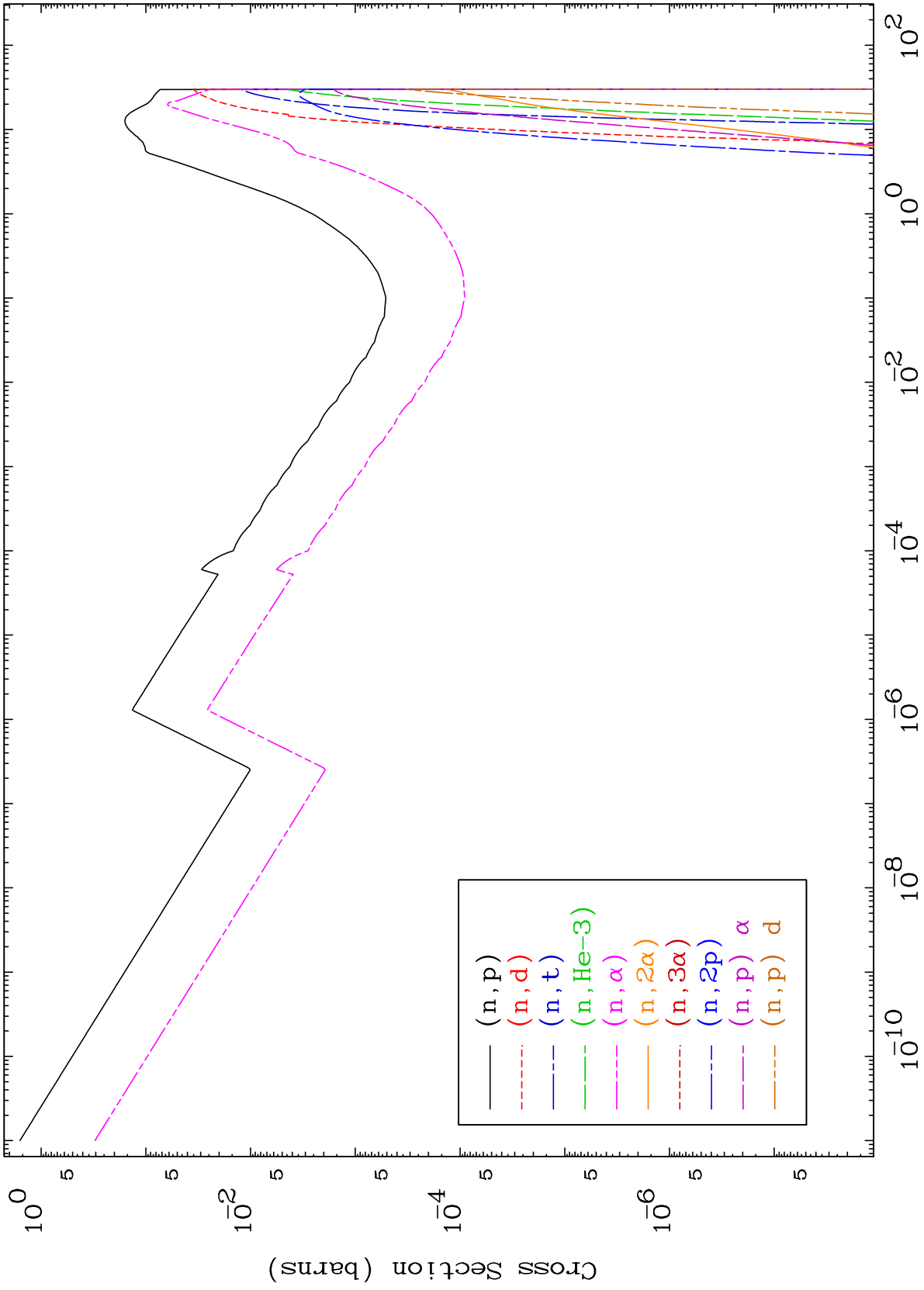


82-Pb-190

MAT 8183

Charged Particle
293 Kelvin Cross Sections

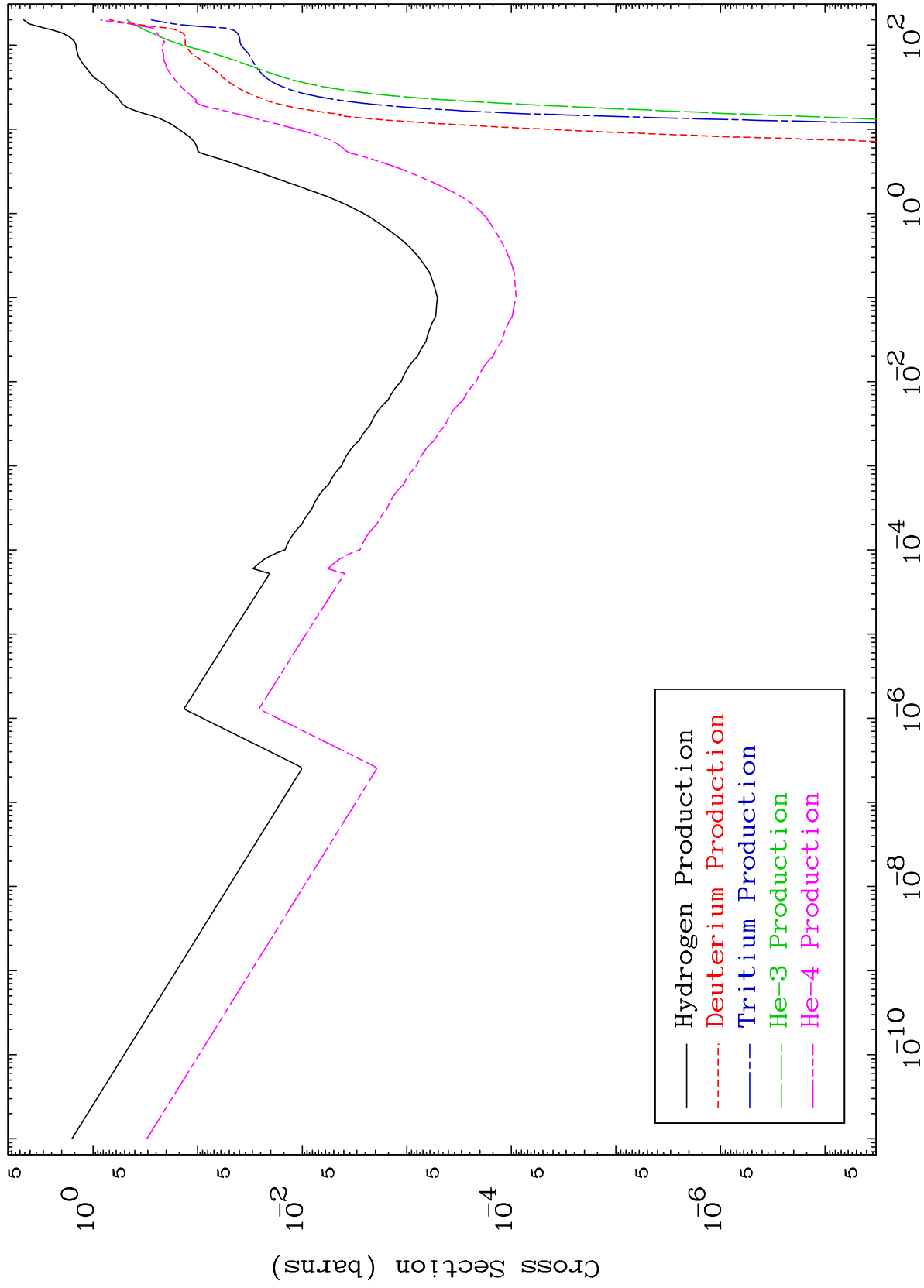
82-Pb-190



MAT 8183

Particle Production
293 Kelvin Cross Sections

82-Pb-190

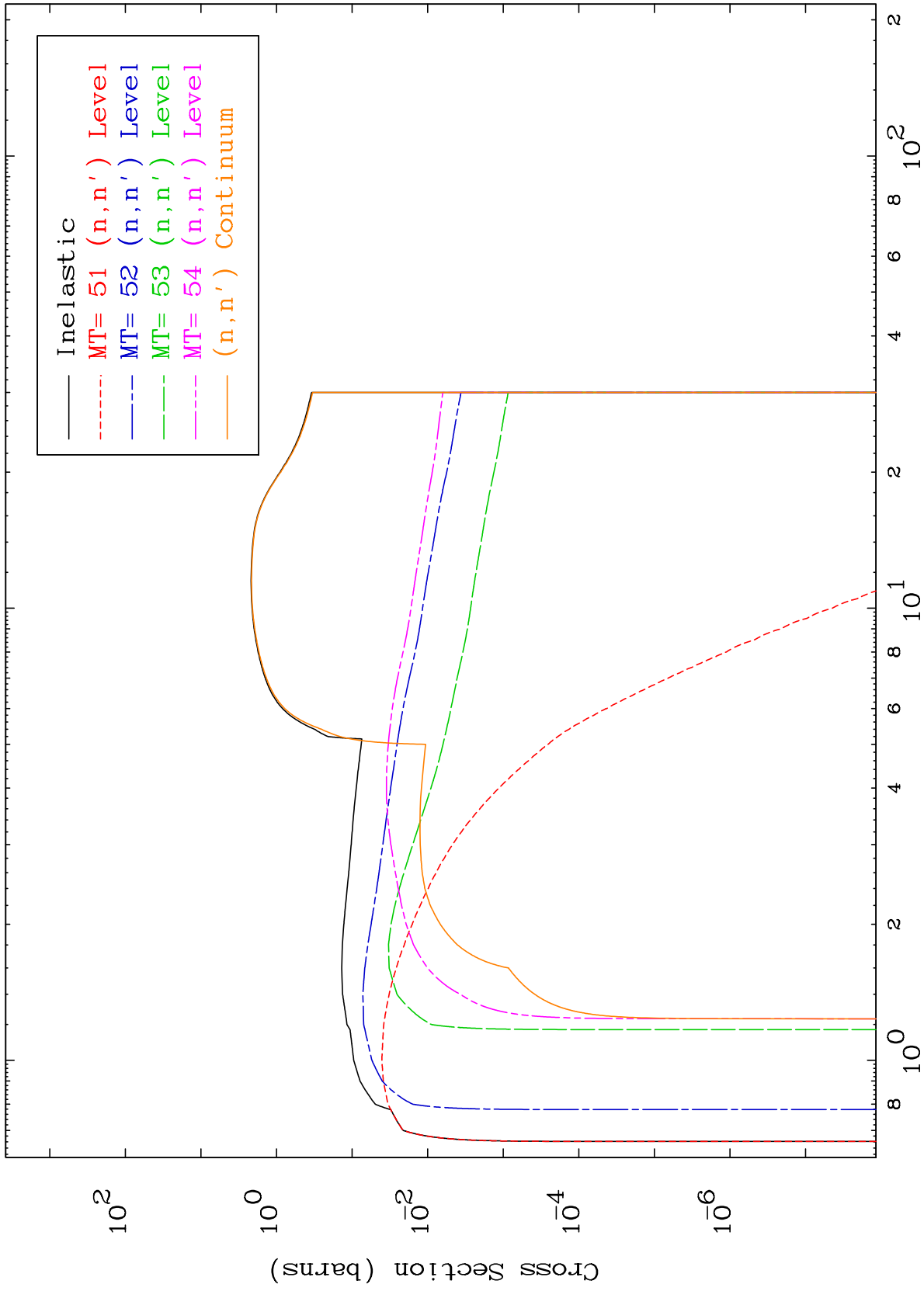


MAT 8183

(n,n') Level

82-Pb-190

293 Kelvin Cross Sections



7

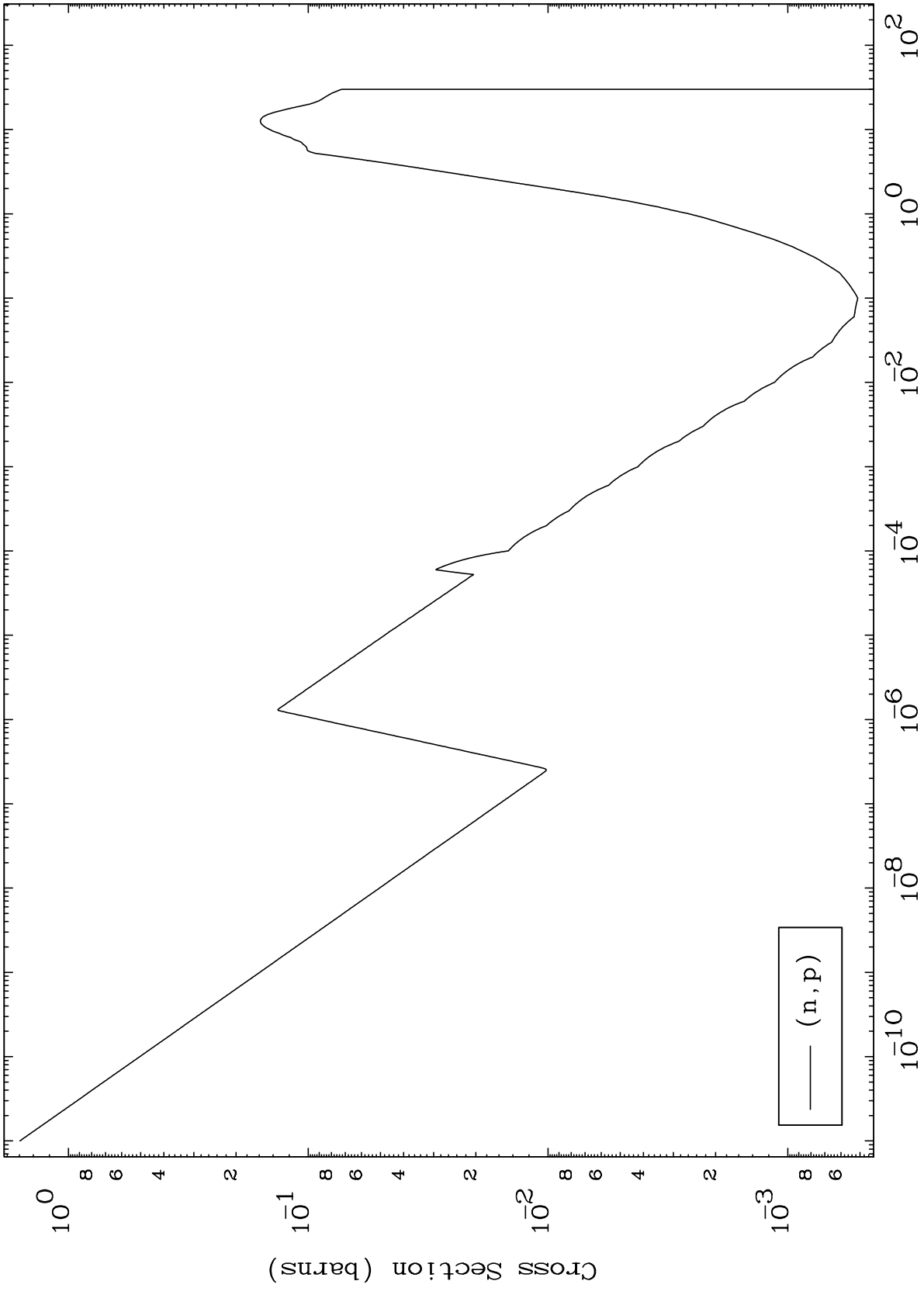
Incident Energy (MeV)

82-Pb-190

MAT 8183

(n,p) Levels
293 Kelvin Cross Sections

82-Pb-190

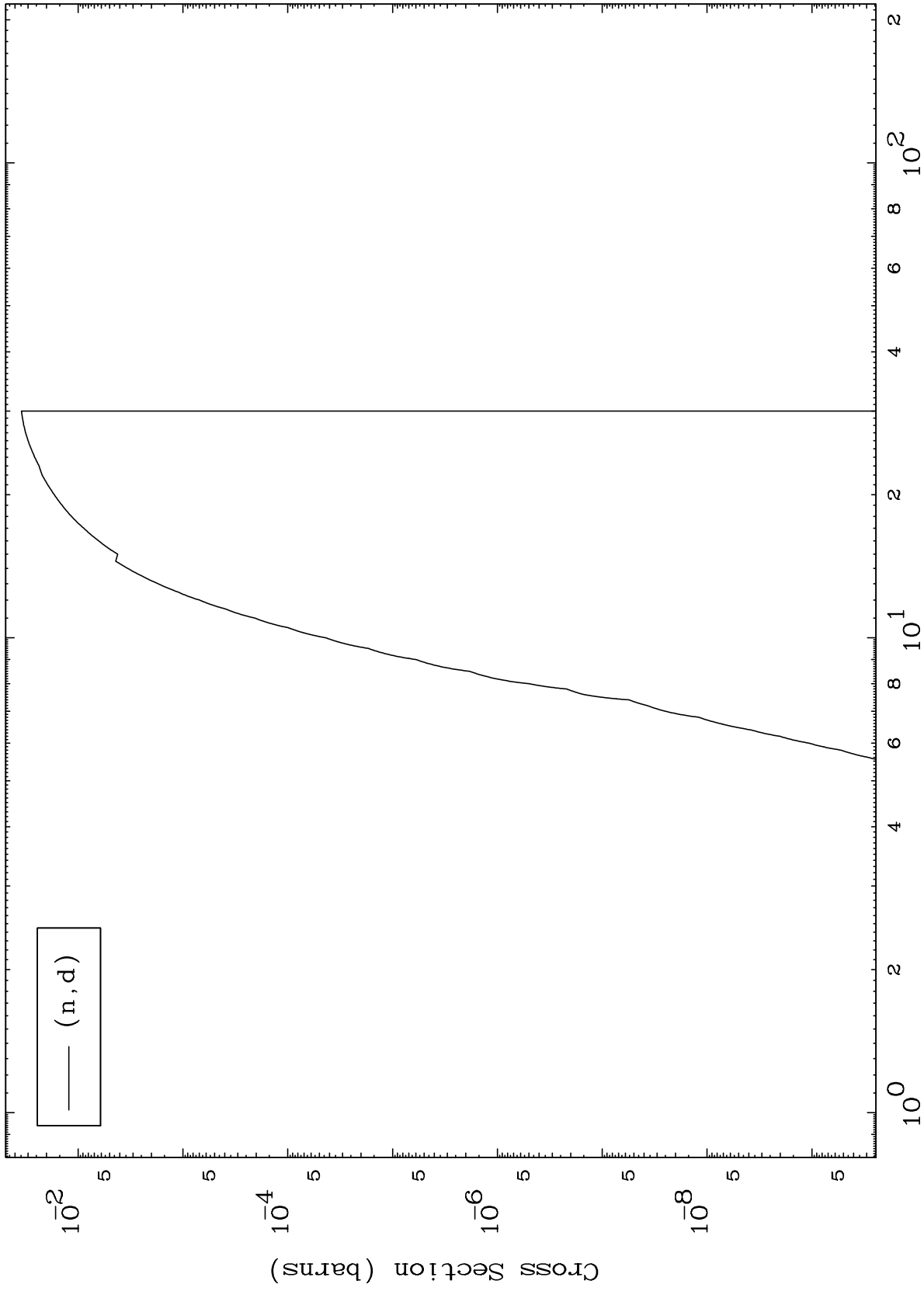


82-Pb-190

MAT 8183

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-190



9

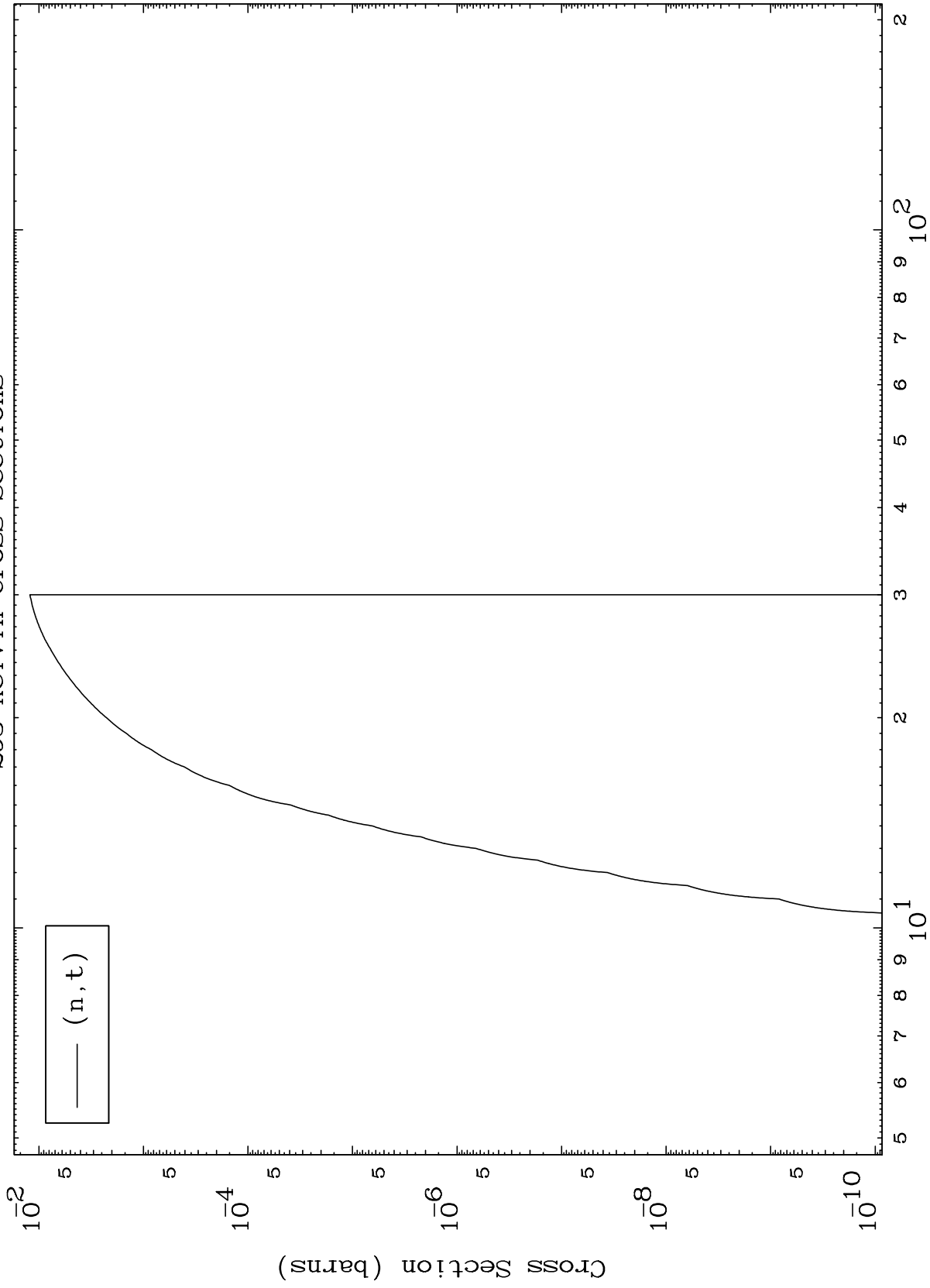
Incident Energy (MeV)

82-Pb-190

MAT 8183

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-190



10

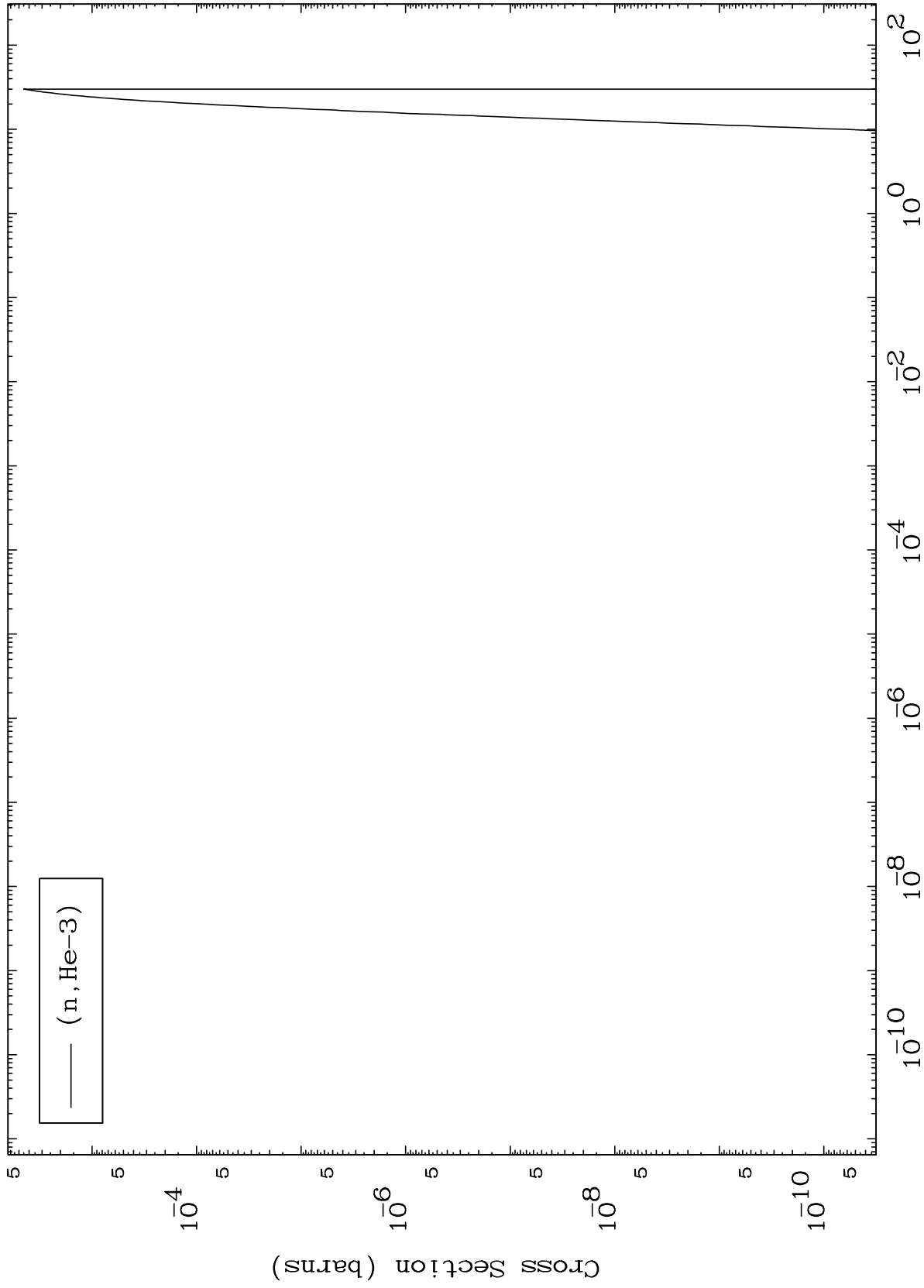
Incident Energy (MeV)

82-Pb-190

MAT 8183

(n,He3) Levels
293 Kelvin Cross Sections

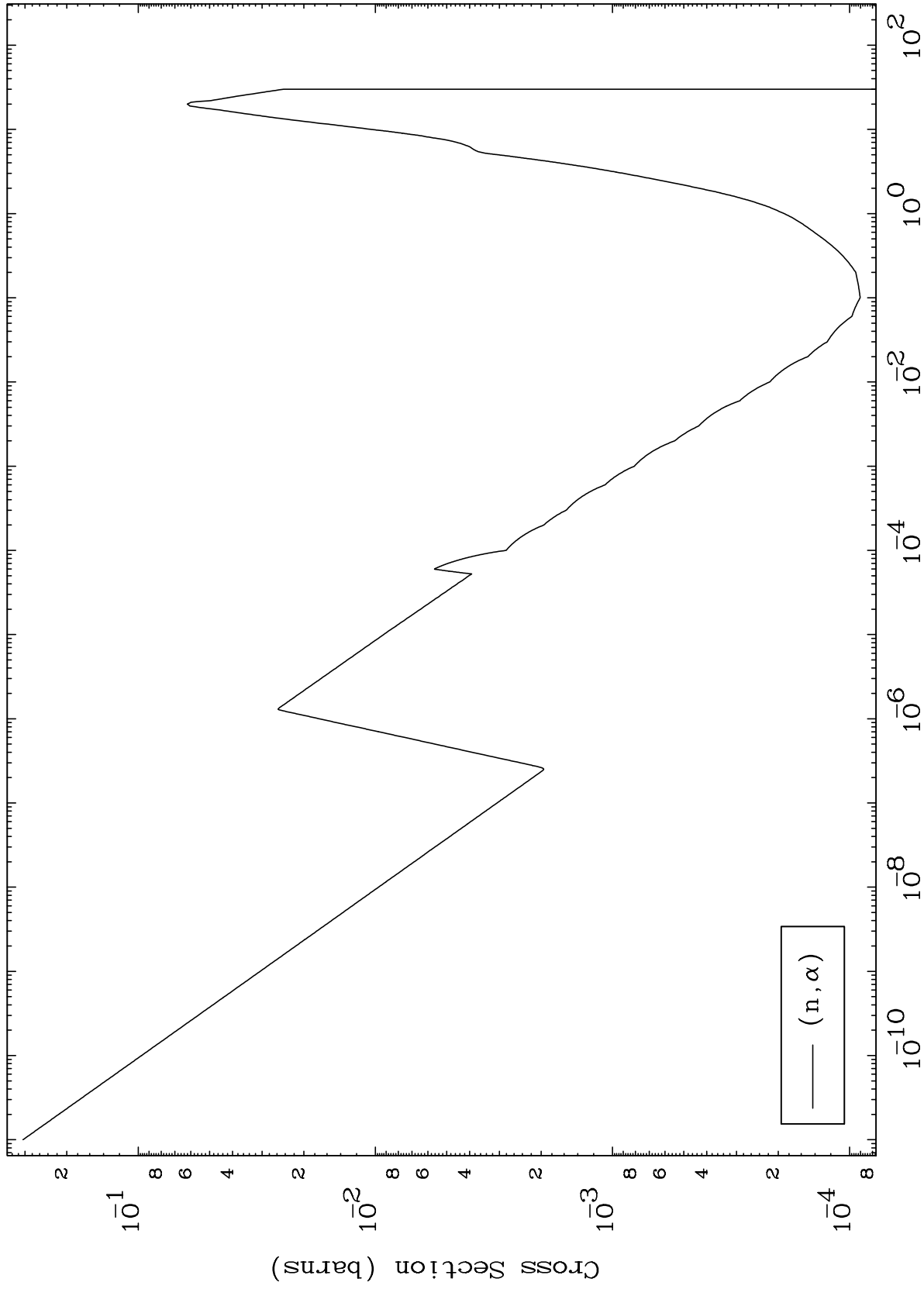
82-Pb-190



MAT 8183

(n,α) Levels
293 Kelvin Cross Sections

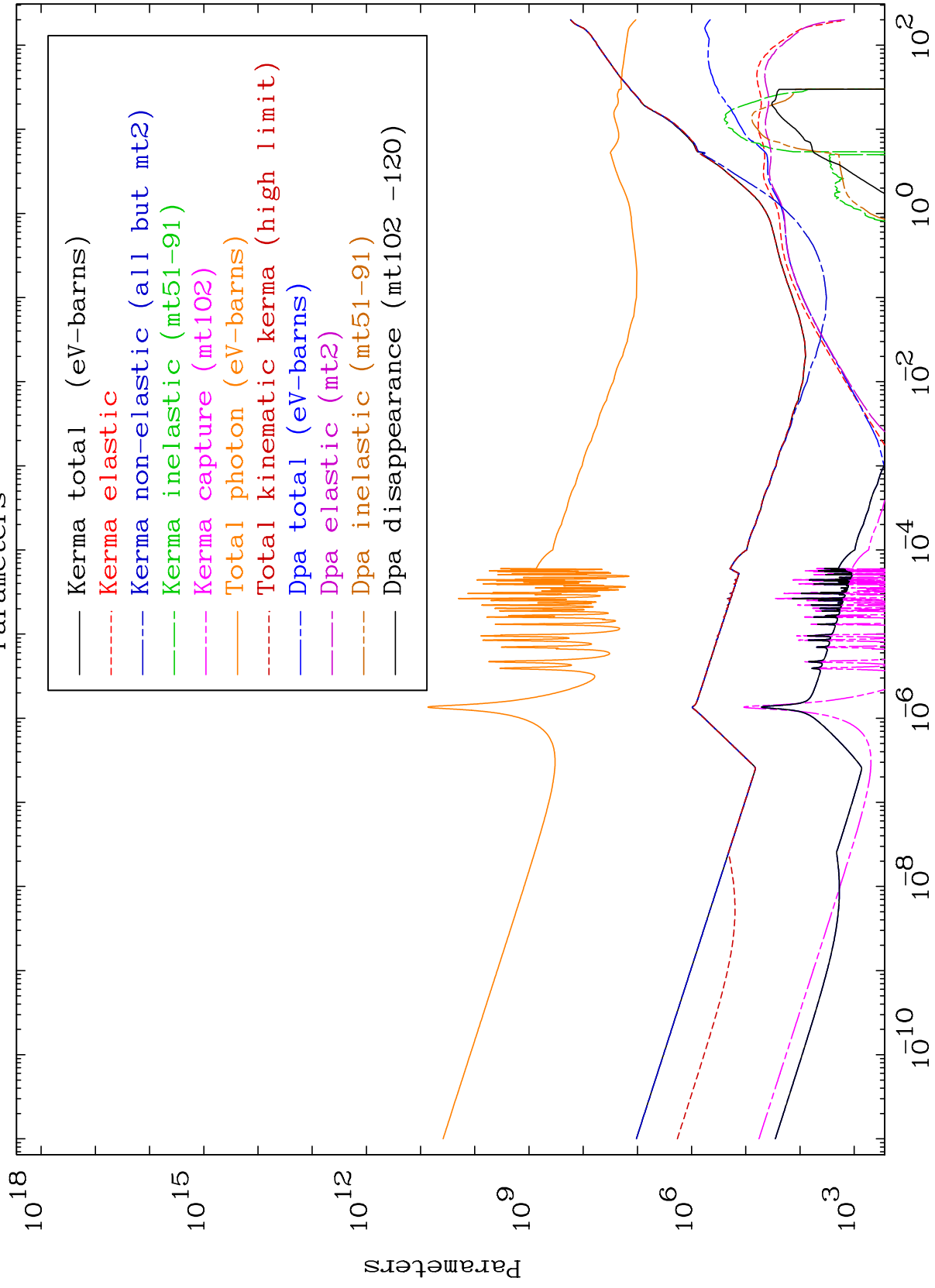
82-Pb-190



12

Incident Energy (MeV)

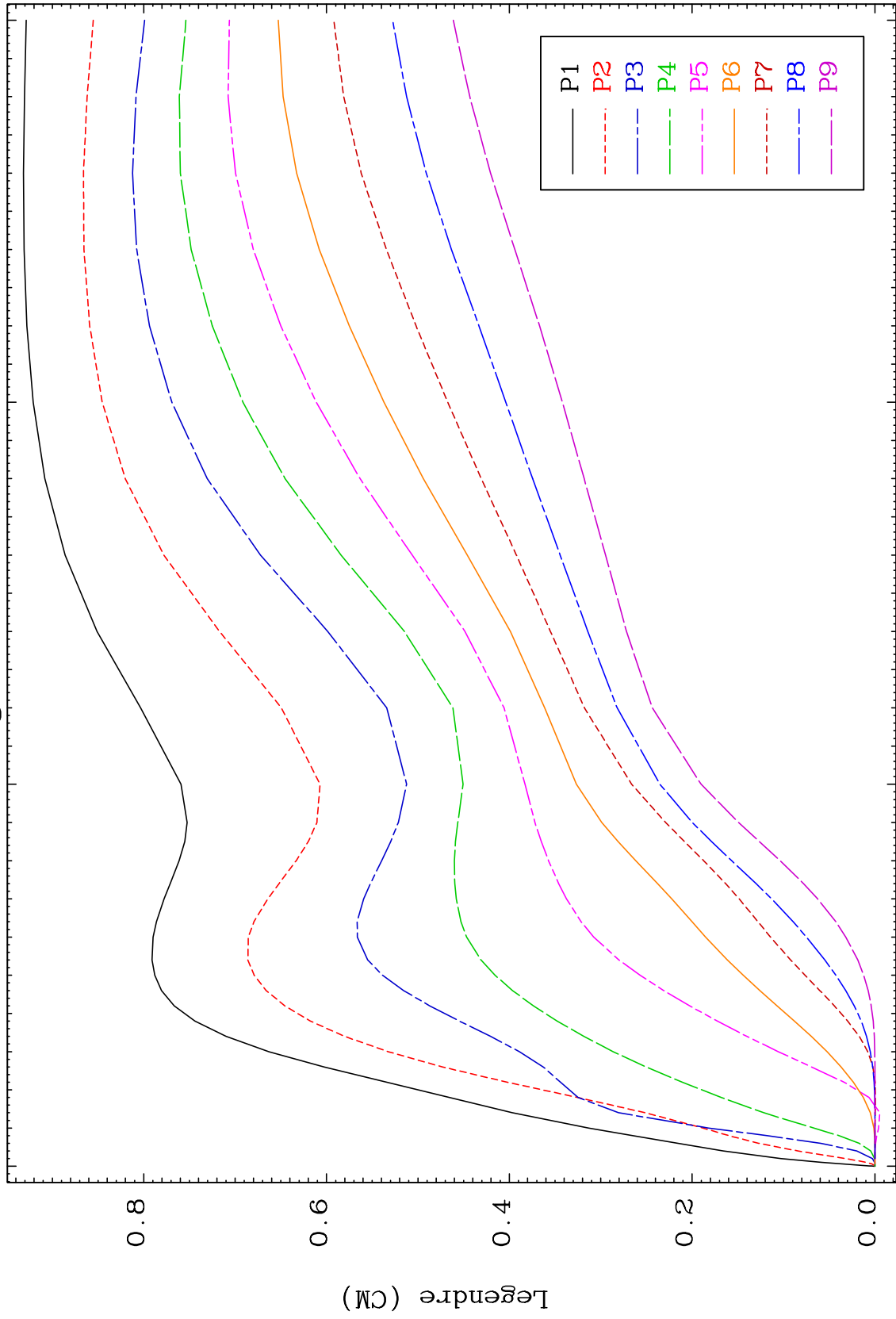
82-Pb-190



MAT 8183

Elastic Legendre Coefficients

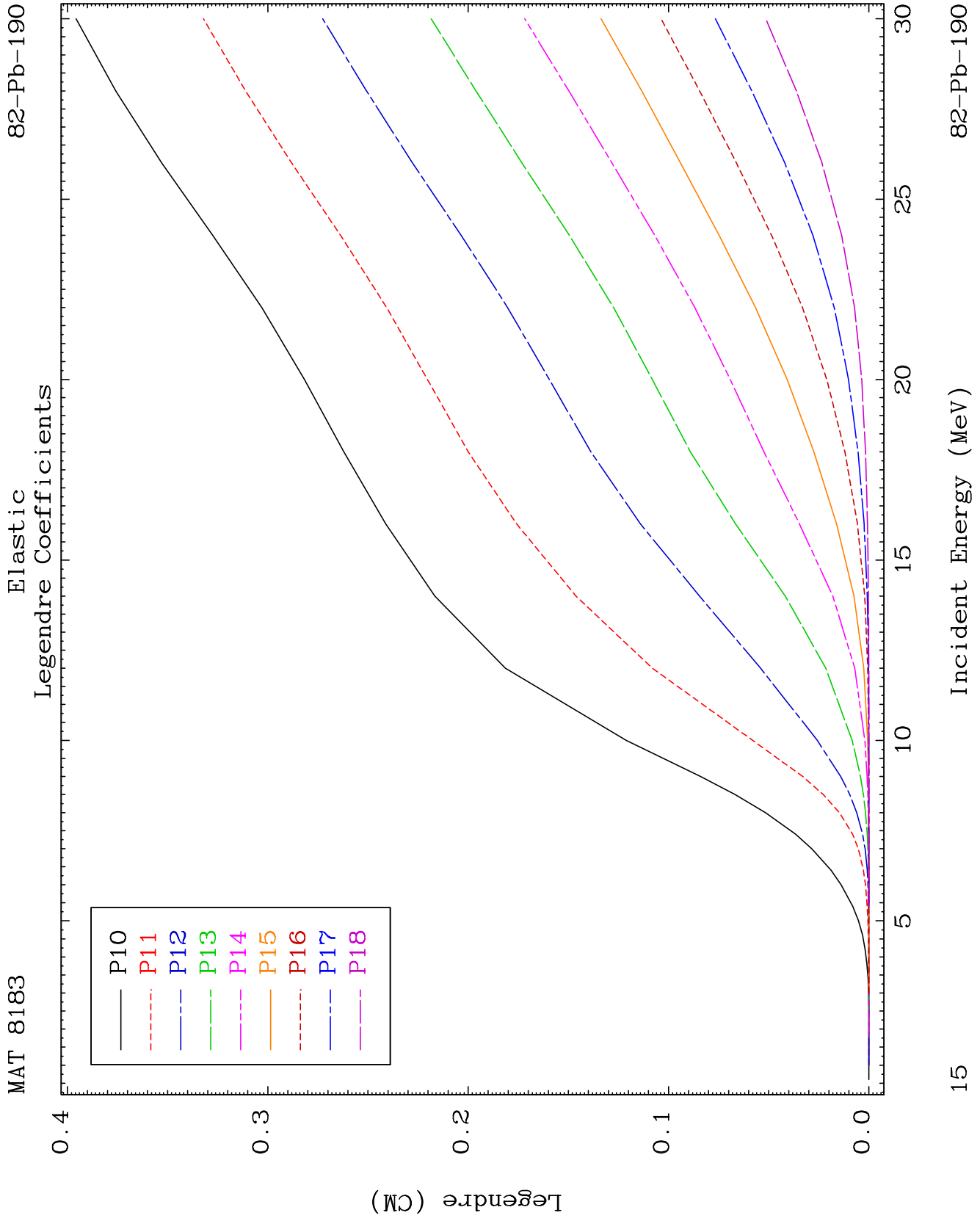
82-Pb-190



14

Incident Energy (MeV)

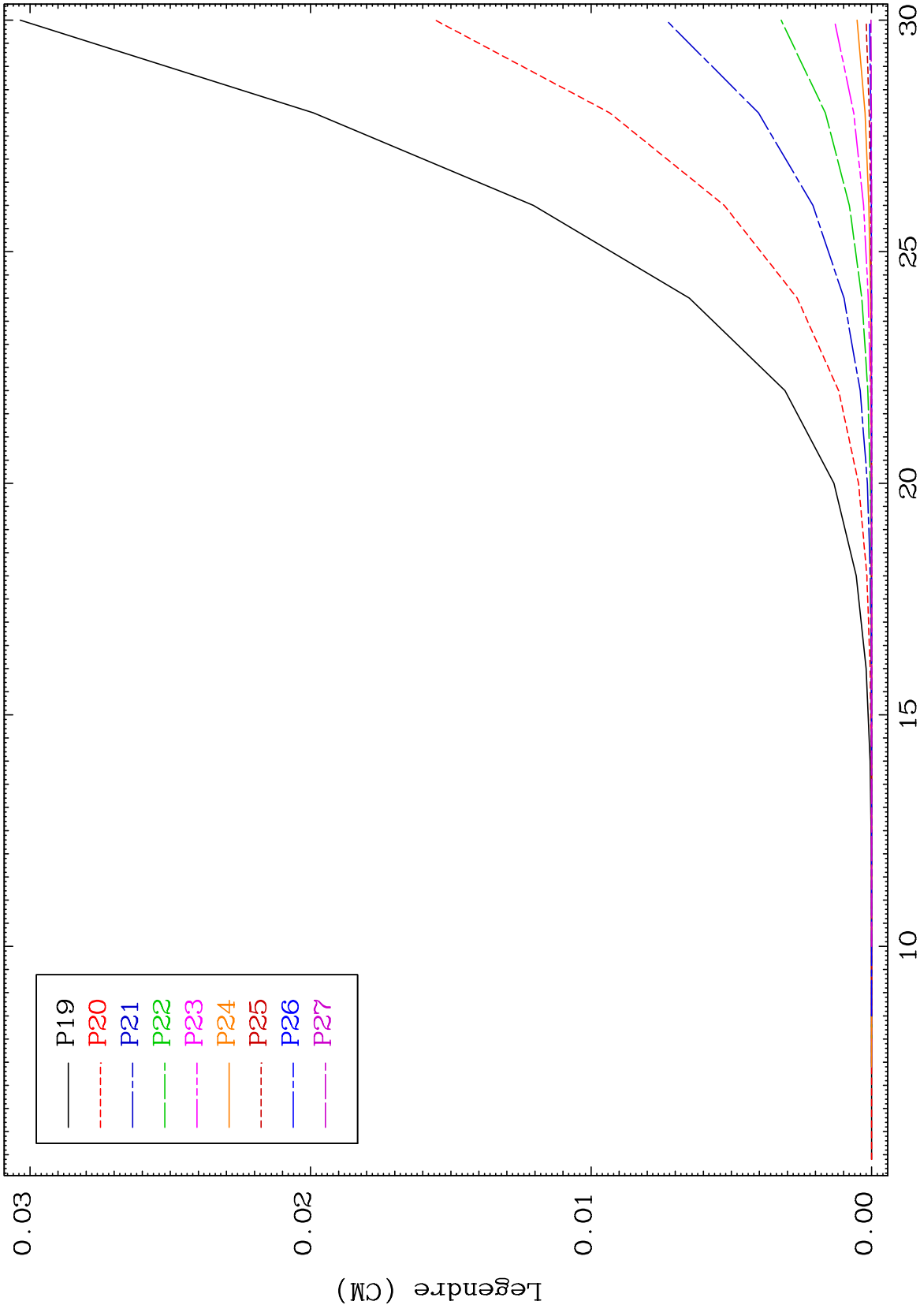
82-Pb-190



MAT 8183

Elastic Legendre Coefficients

82-Pb-190



16

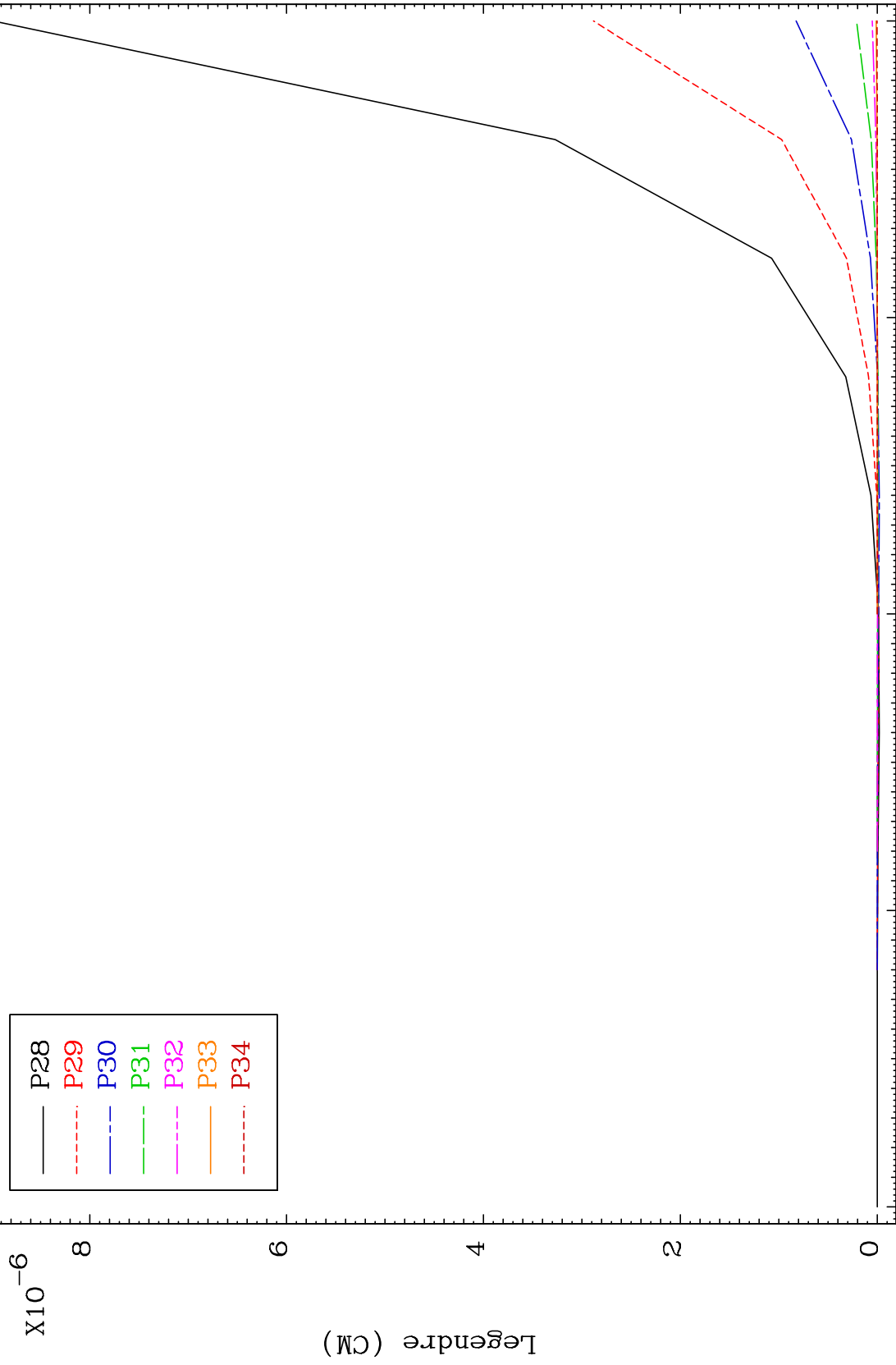
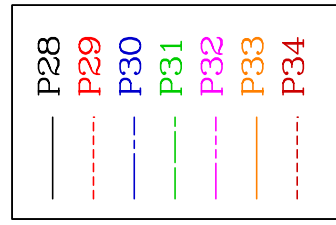
Incident Energy (MeV)

82-Pb-190

MAT 8183

Elastic Legendre Coefficients

82-Pb-190

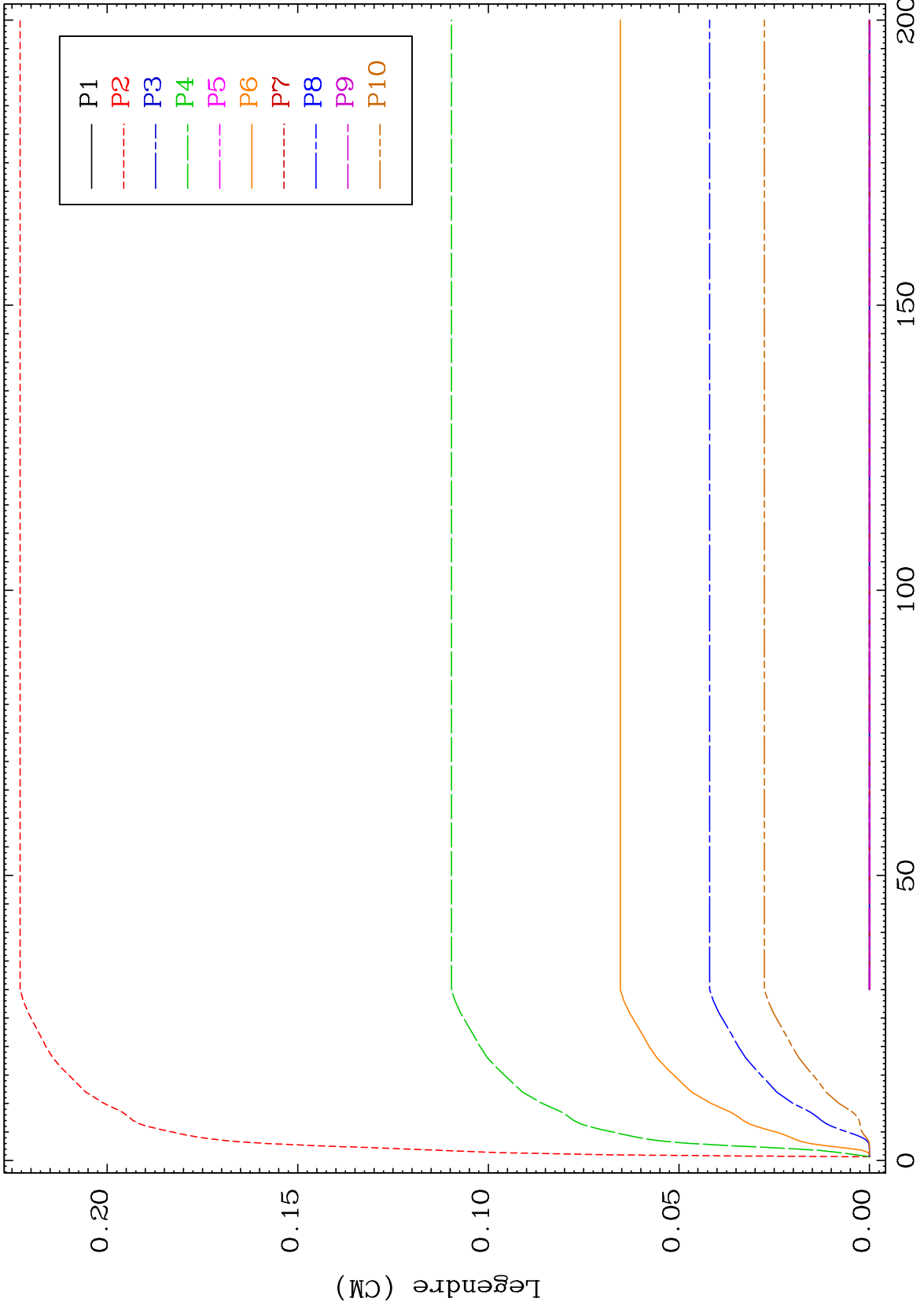


82-Pb-190

Incident Energy (MeV)

17

MAT 8183 MT= 51 (n,n') Level Legendre Coefficients 82-Pb-190

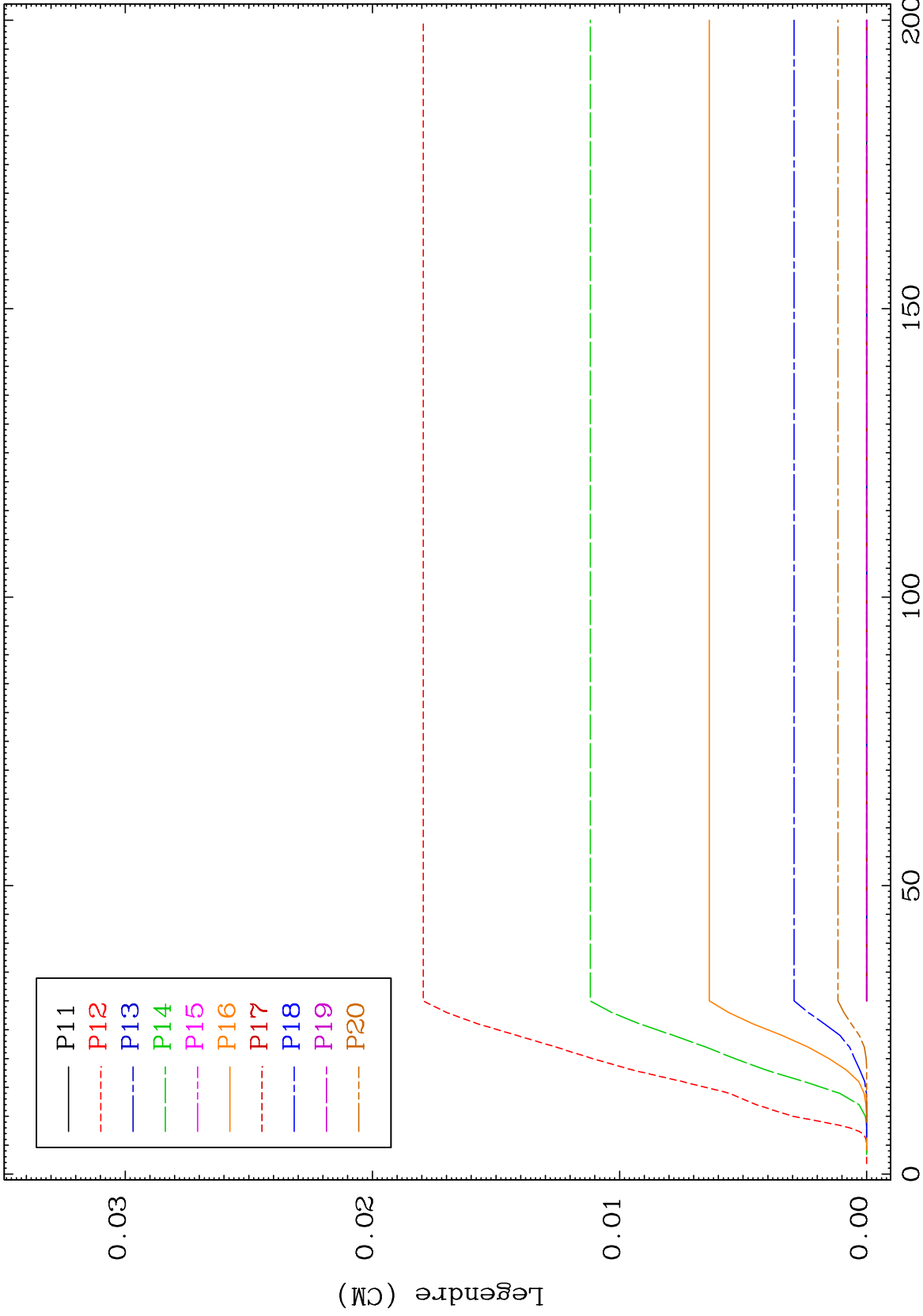


18 Incident Energy (MeV) 82-Pb-190

MAT 8183

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

82-Pb-190



19

Incident Energy (MeV)

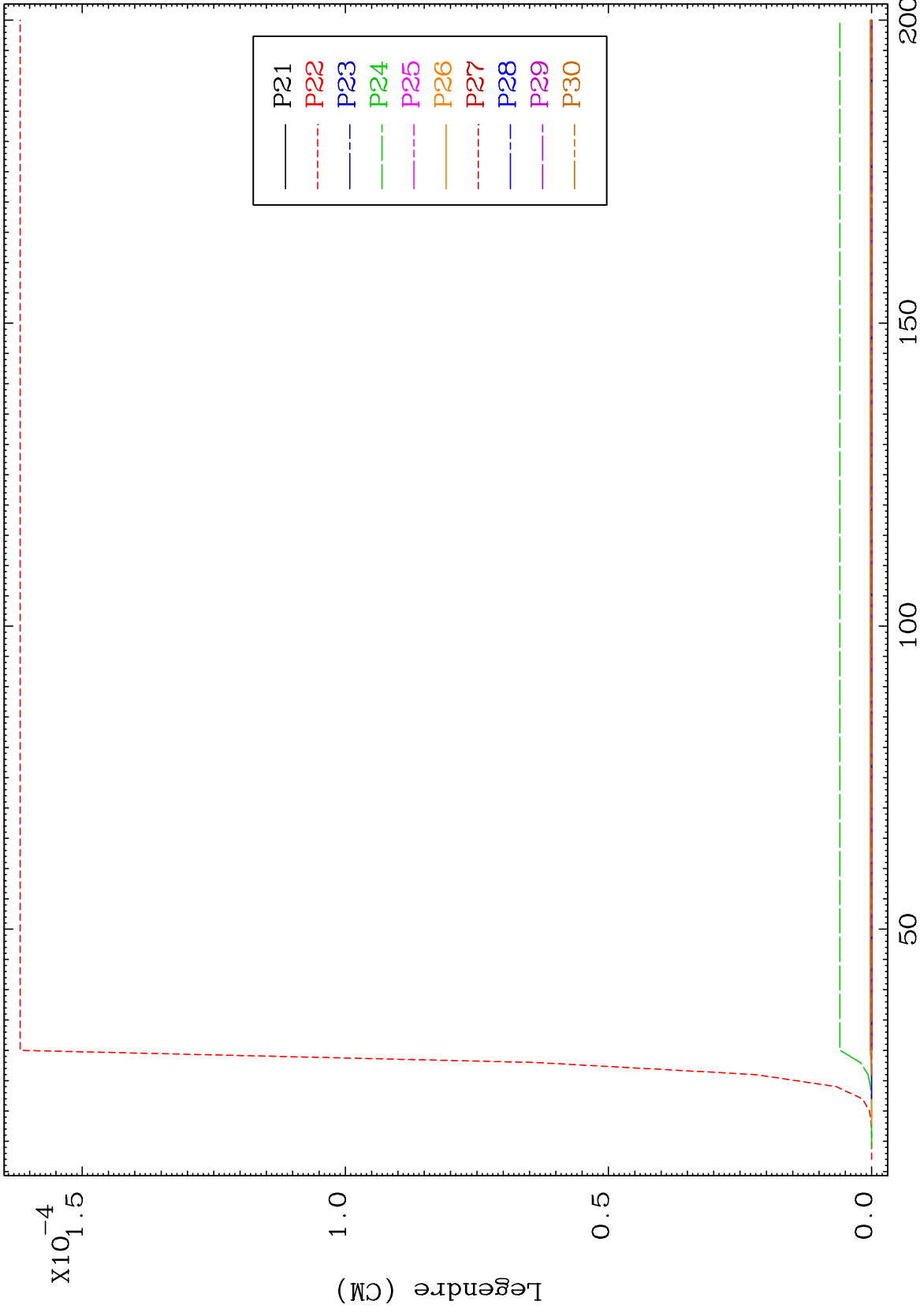
82-Pb-190

MAT 8183

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

82-Pb-190

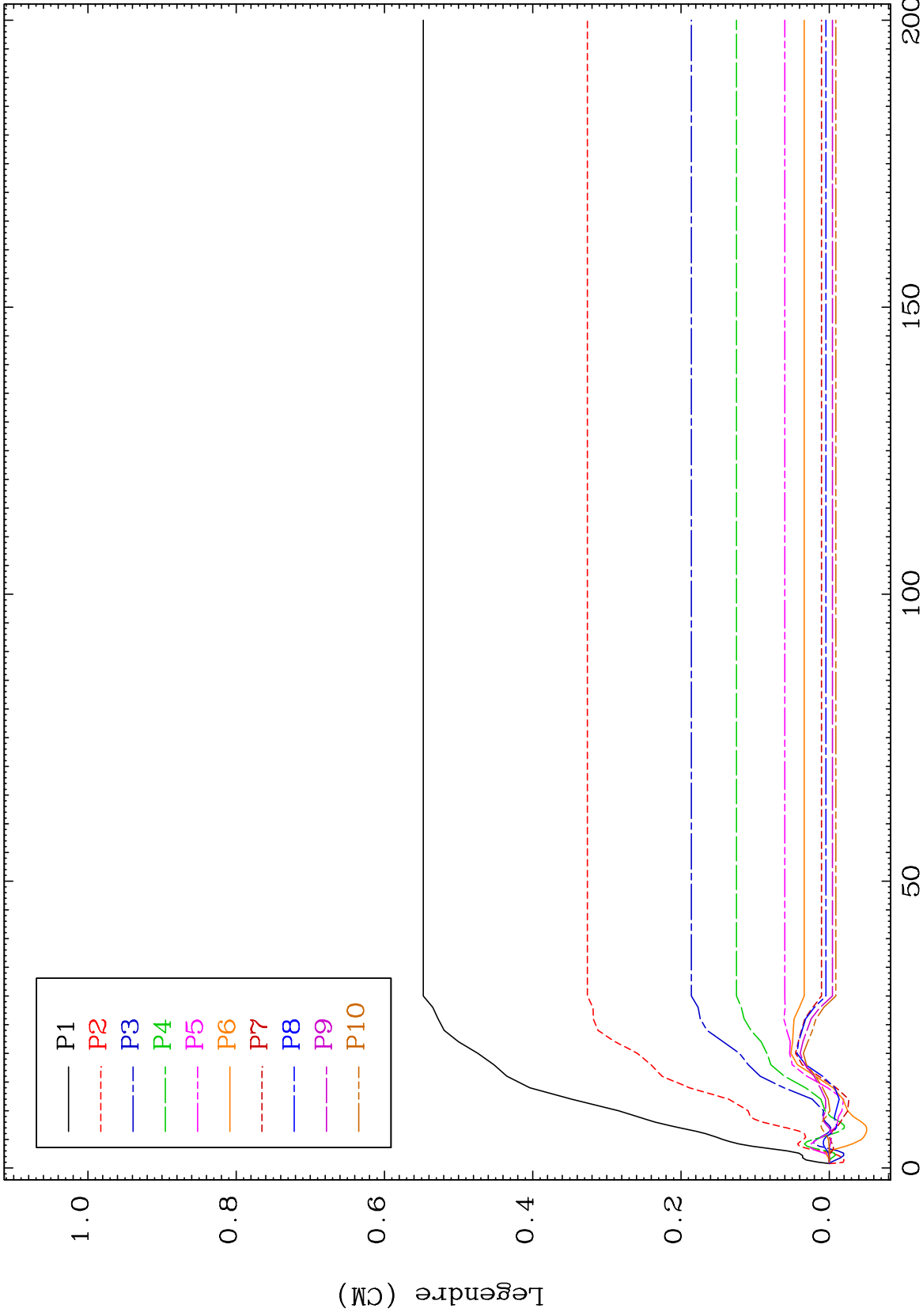
82-Pb-190



MAT 8183

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

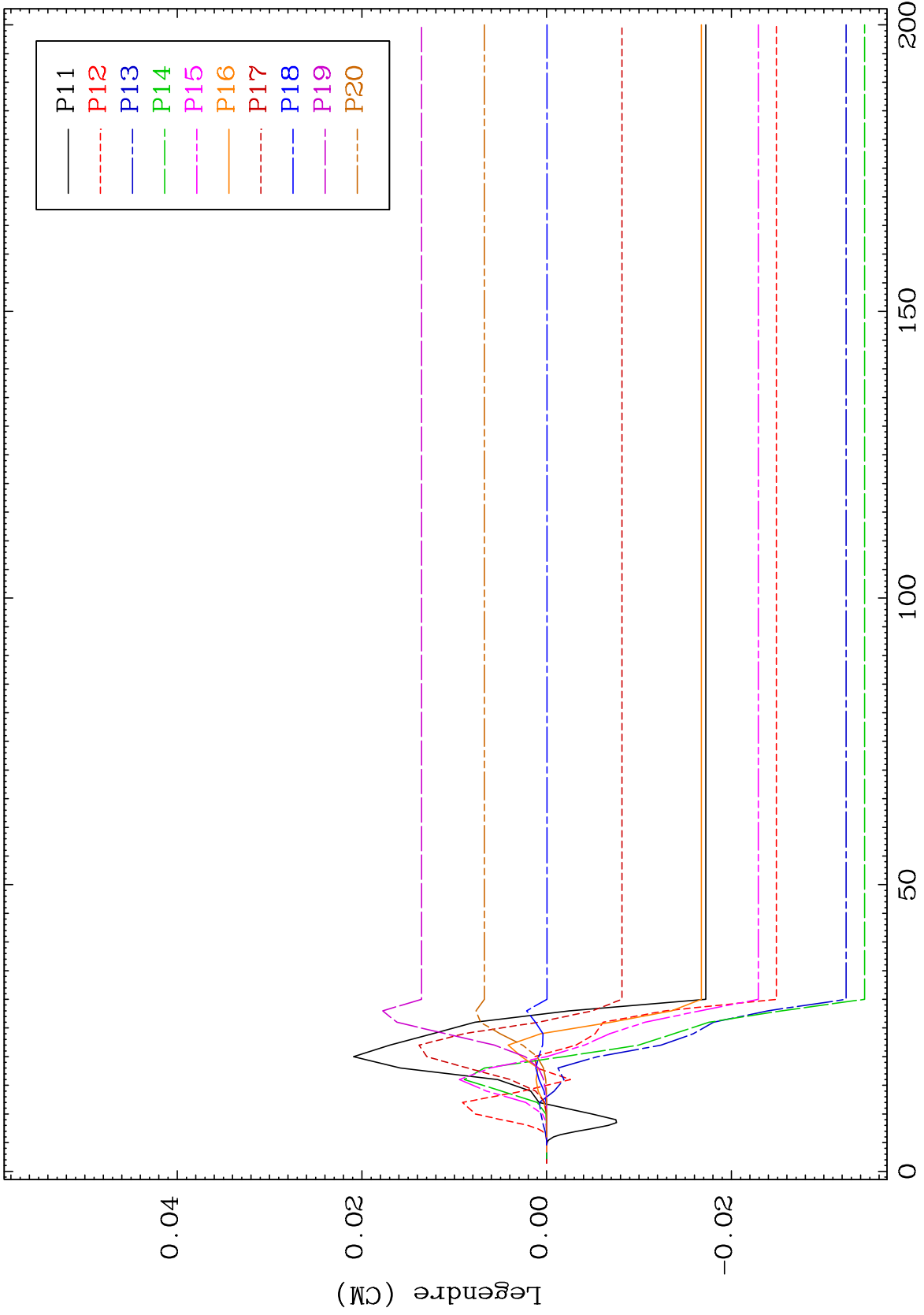
82-Pb-190



MAT 8183

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

82-Pb-190



22

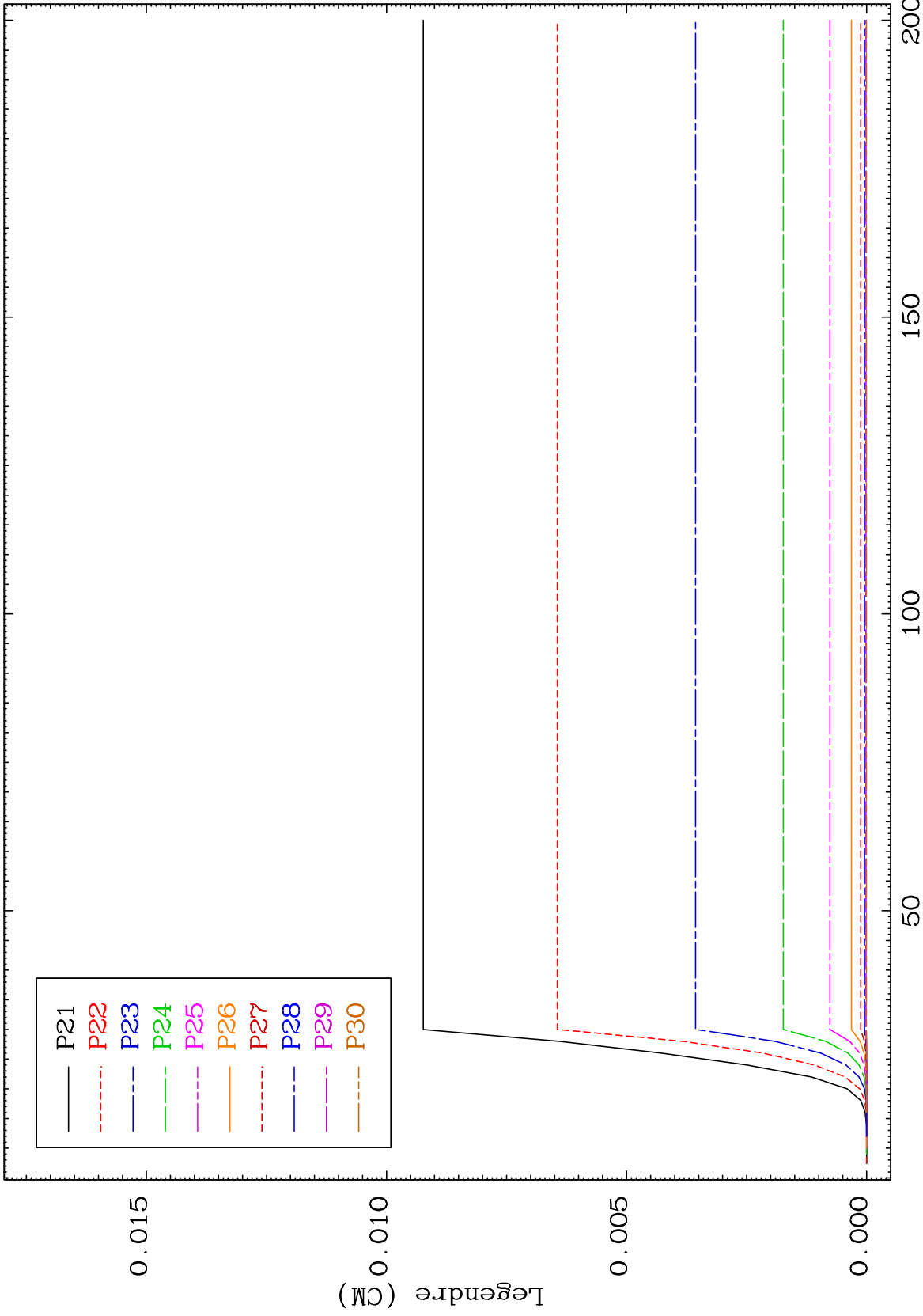
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



23

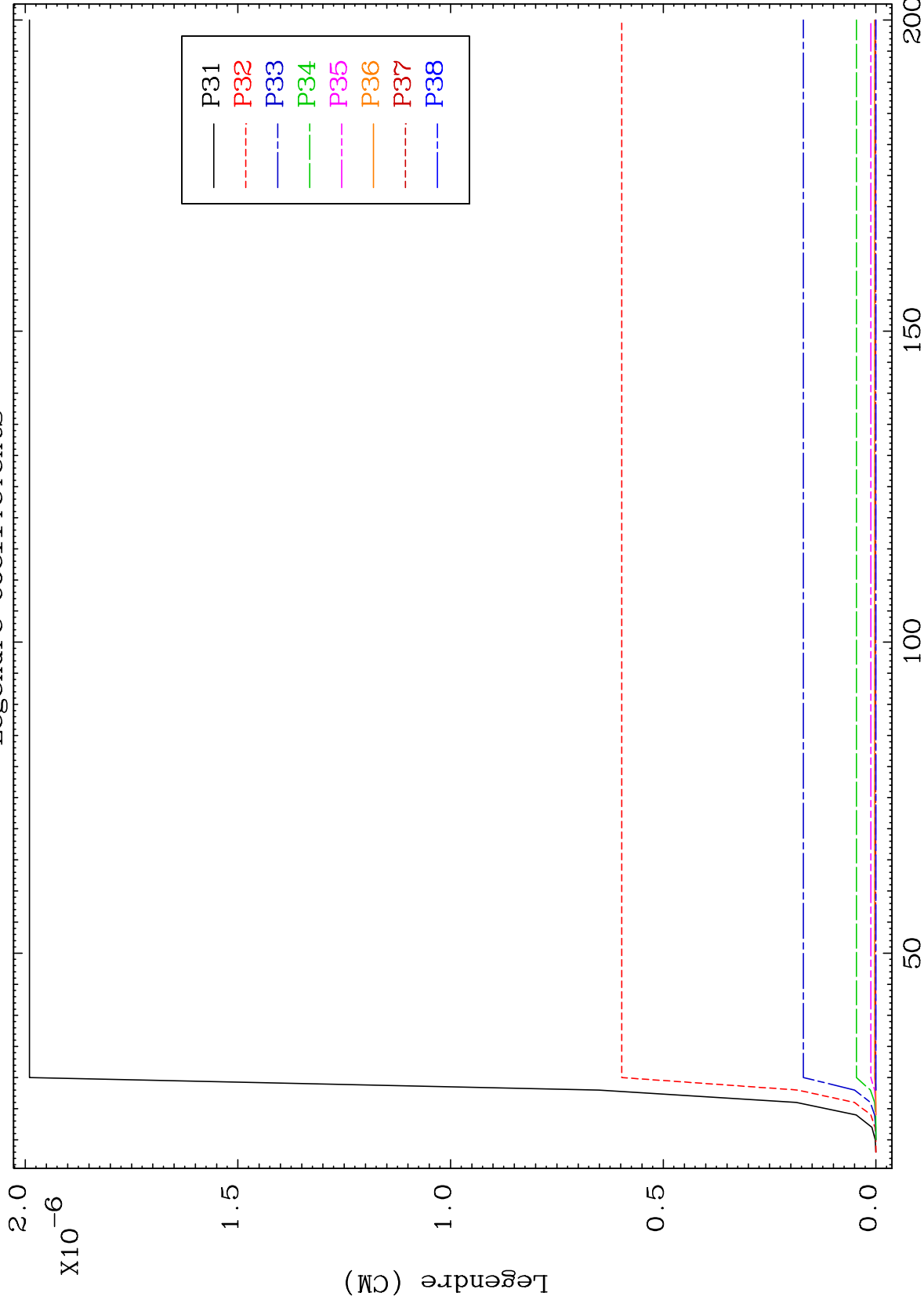
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



24

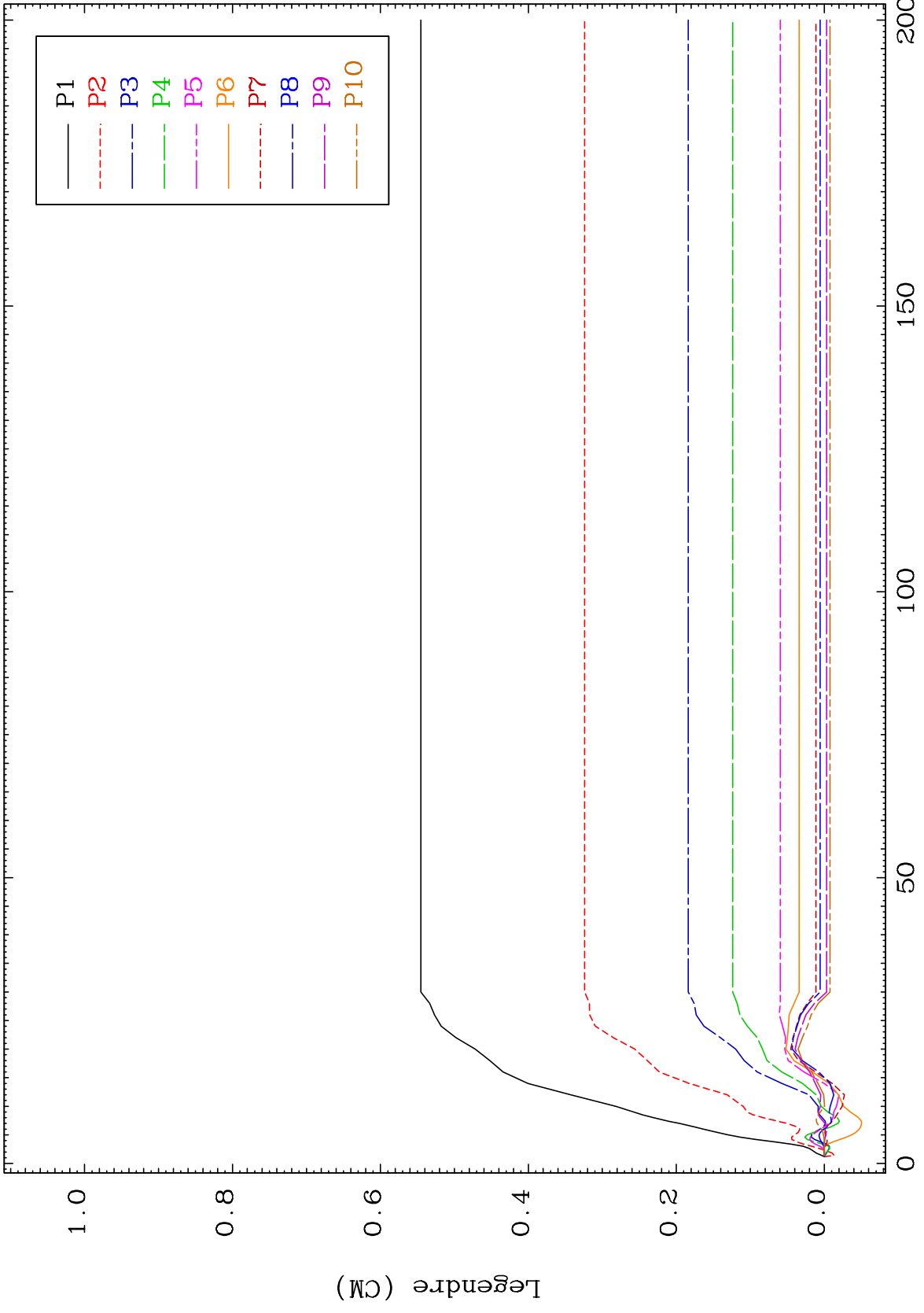
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



25

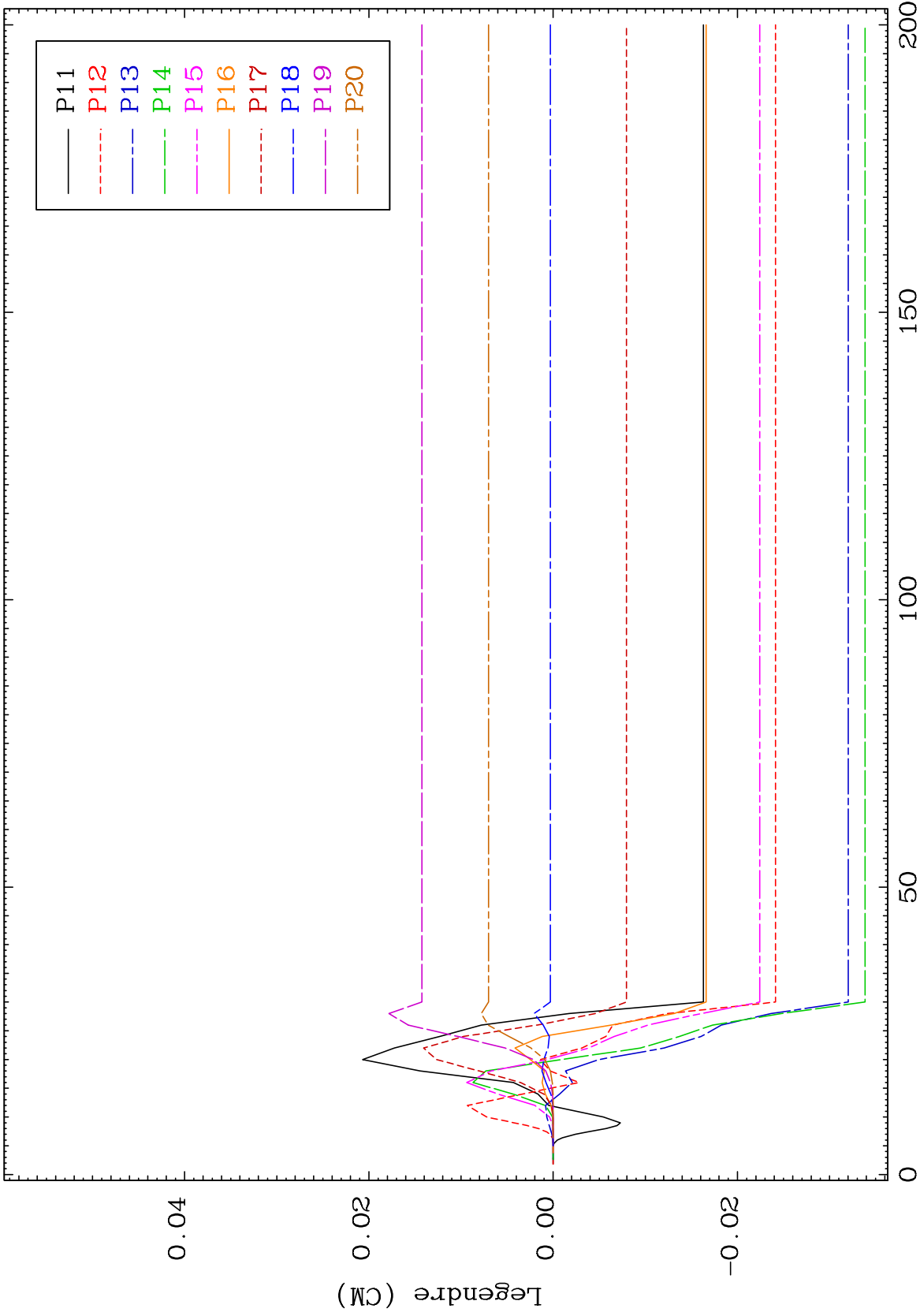
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



26

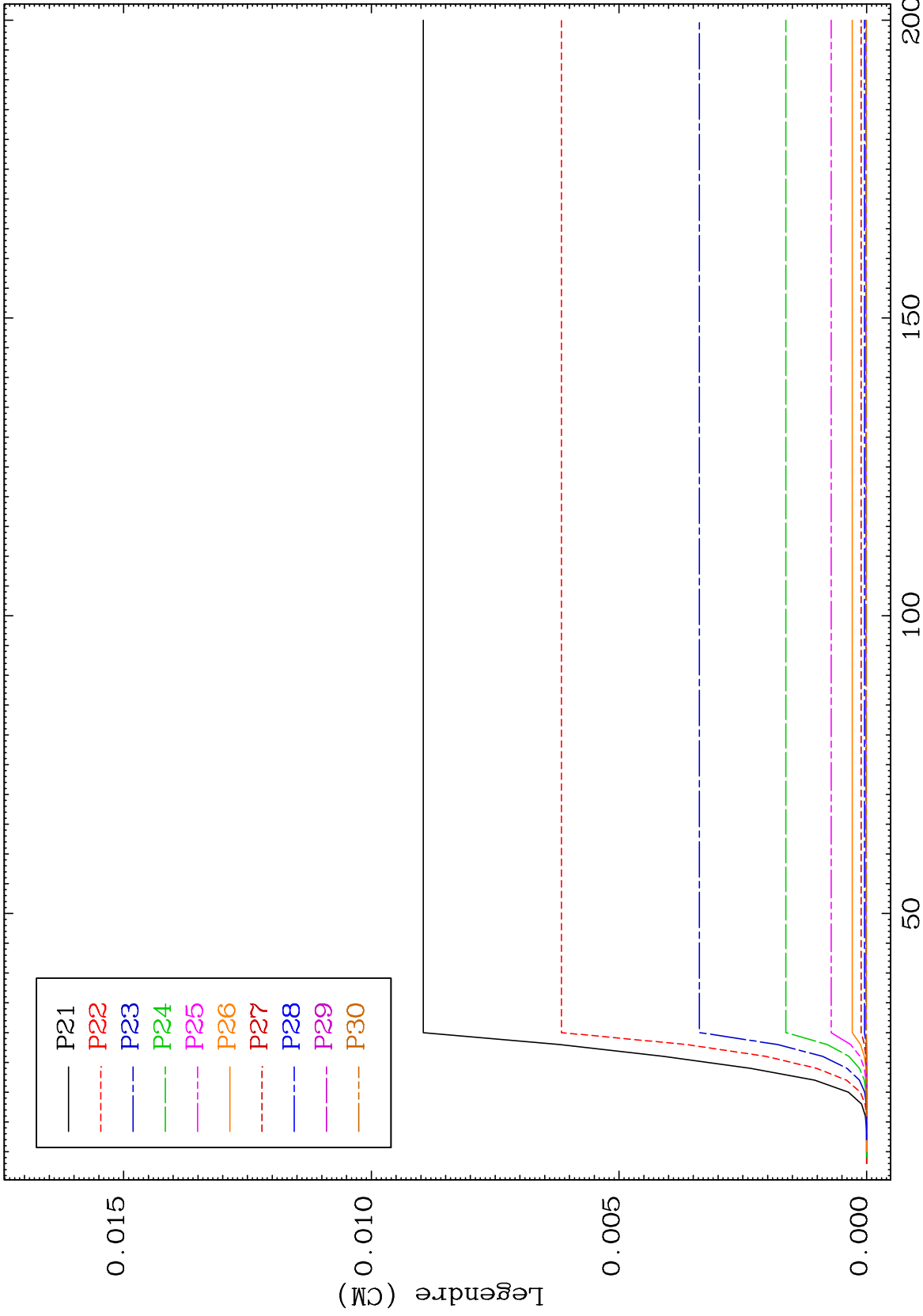
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



27

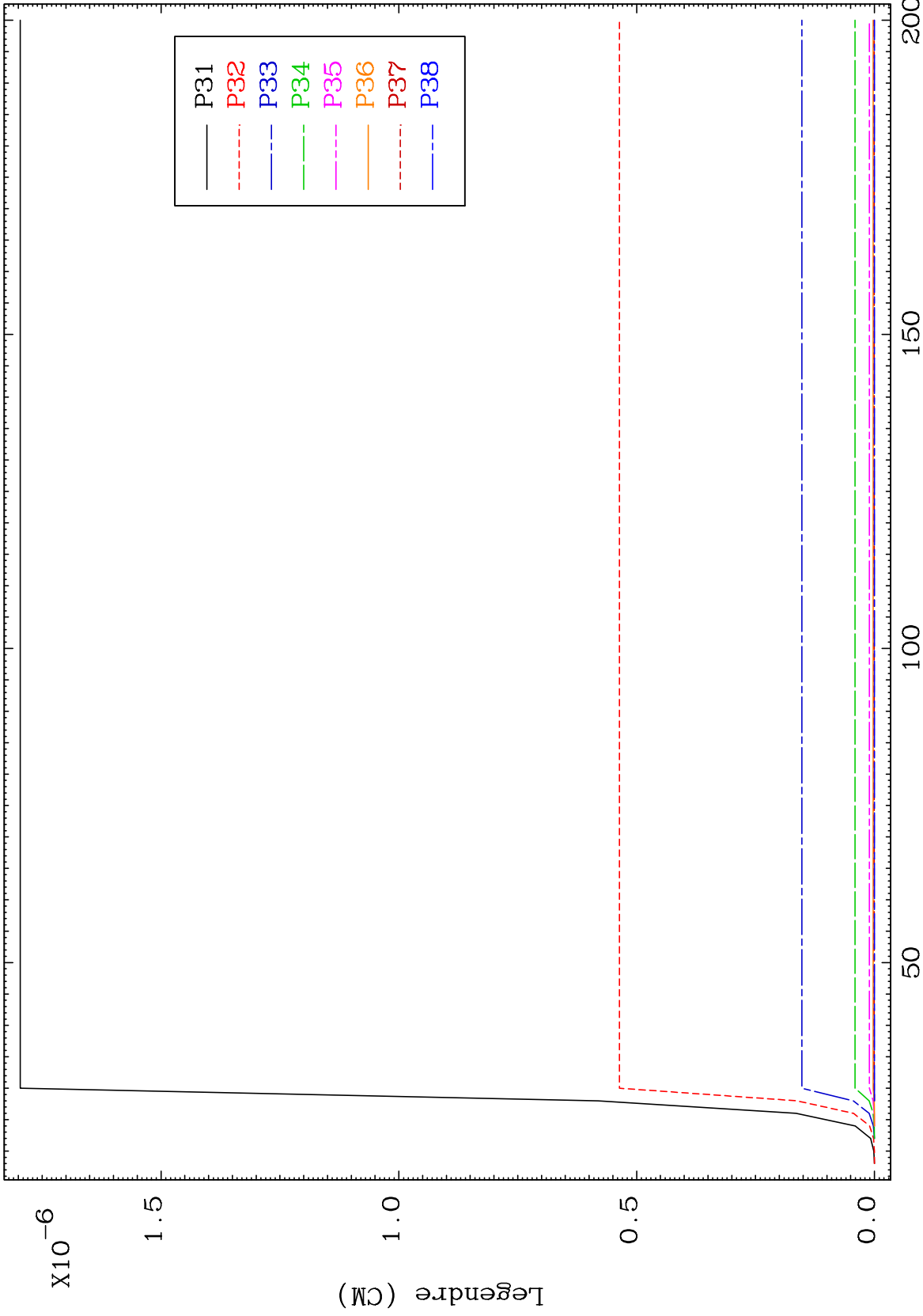
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



28

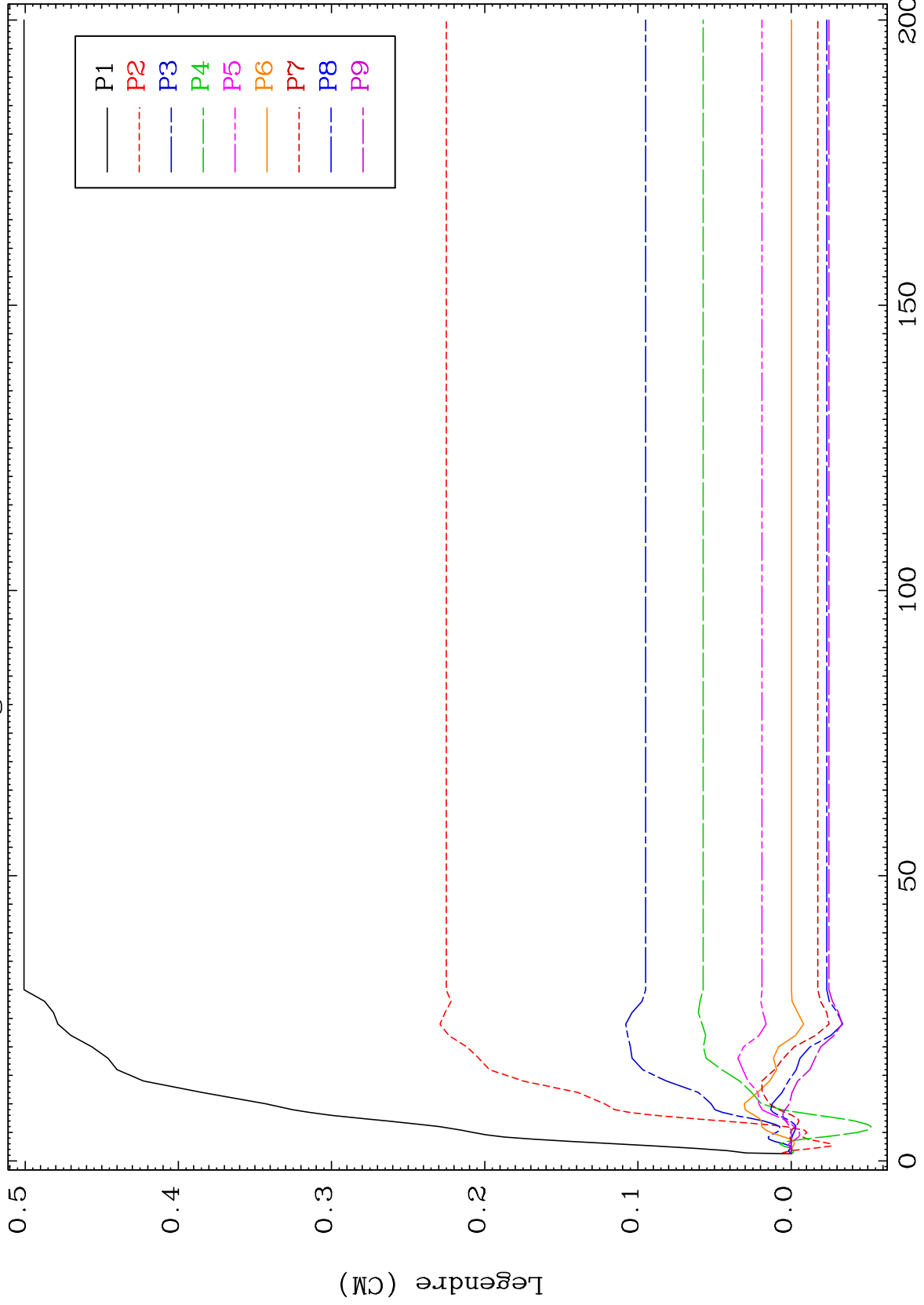
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



29

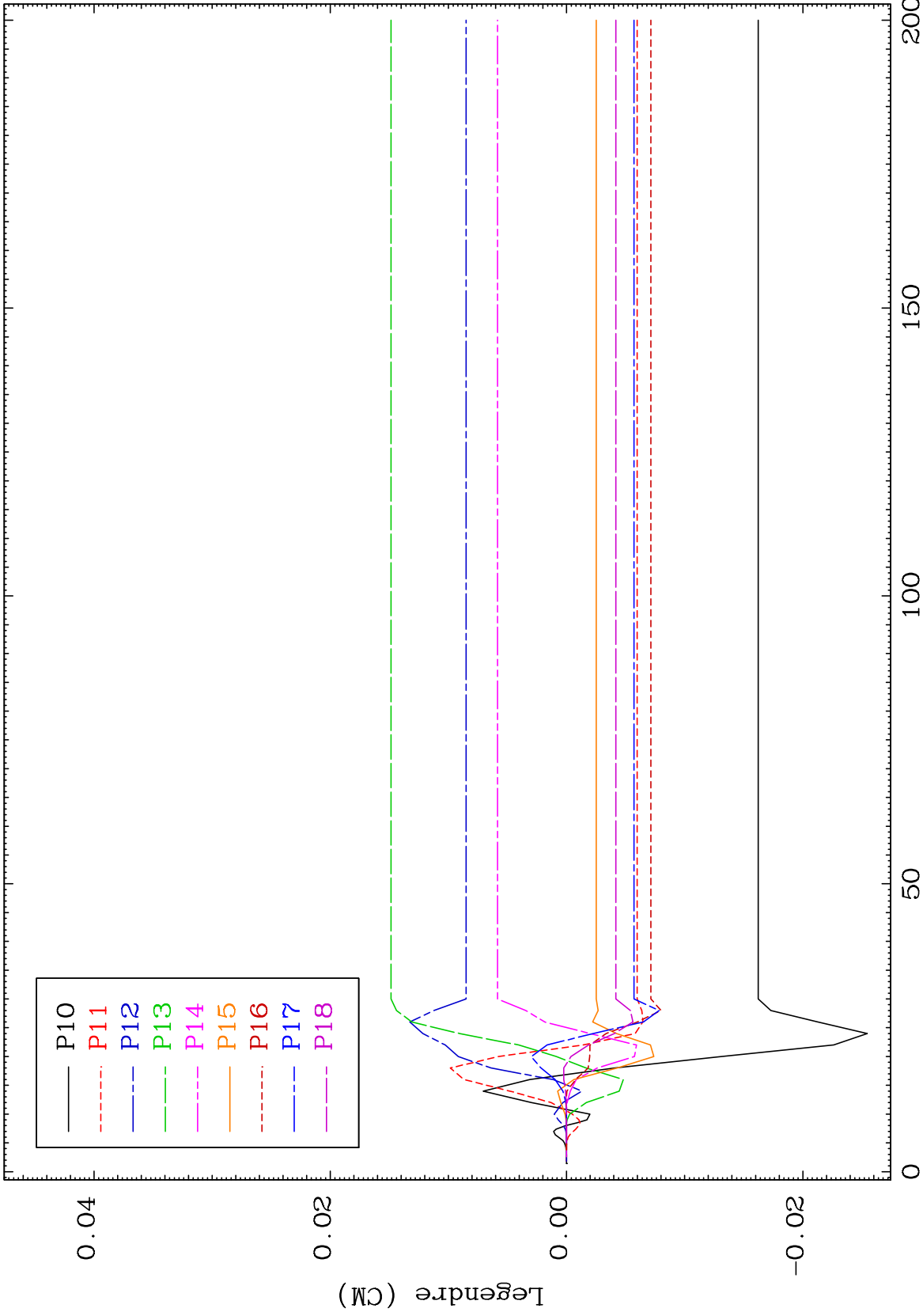
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



0

30

50

100

150

200

Incident Energy (MeV)

82-Pb-190

Legendre (CM)

0.04

0.02

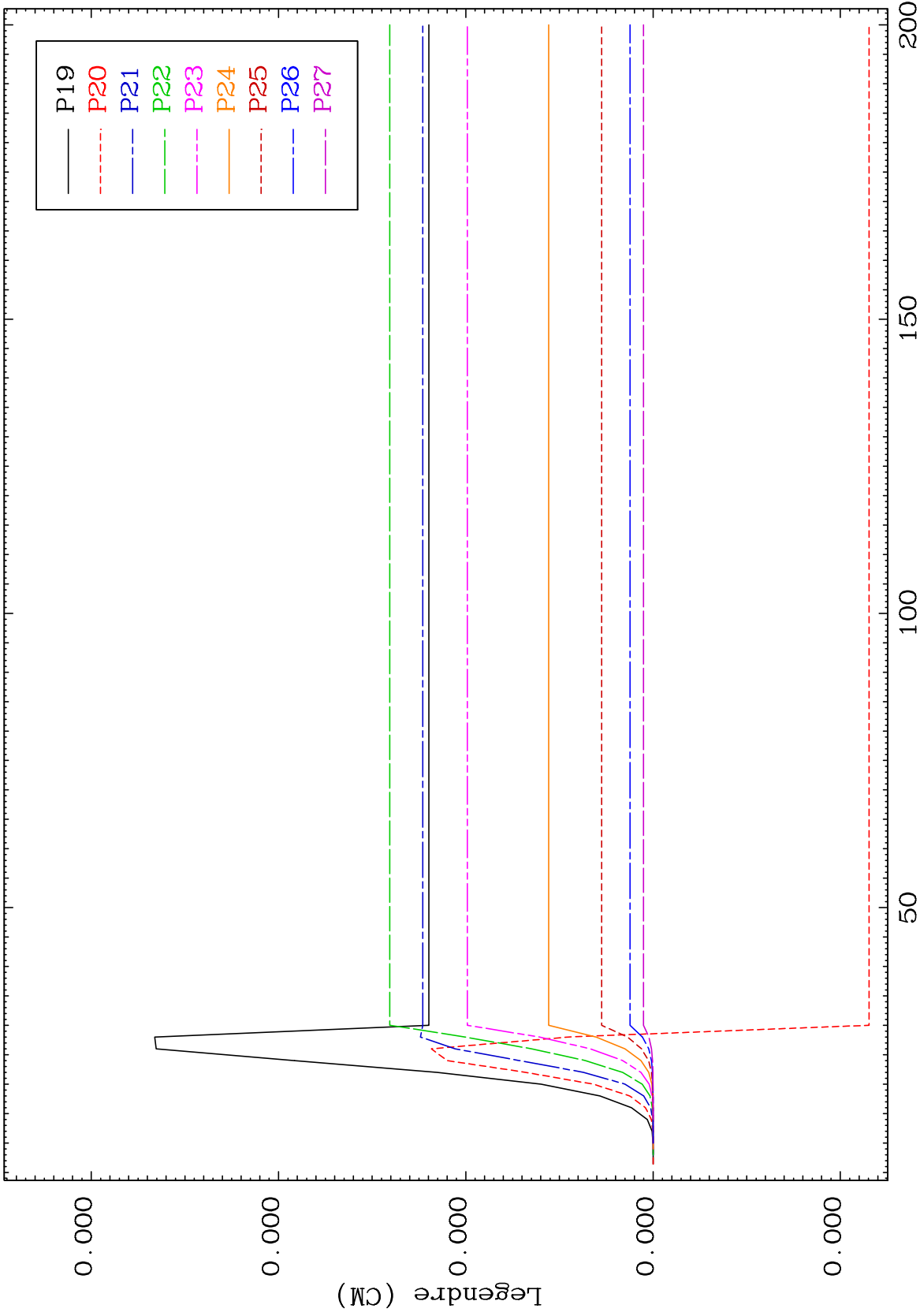
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-0.02

MAT 8183

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

82-Pb-190



31

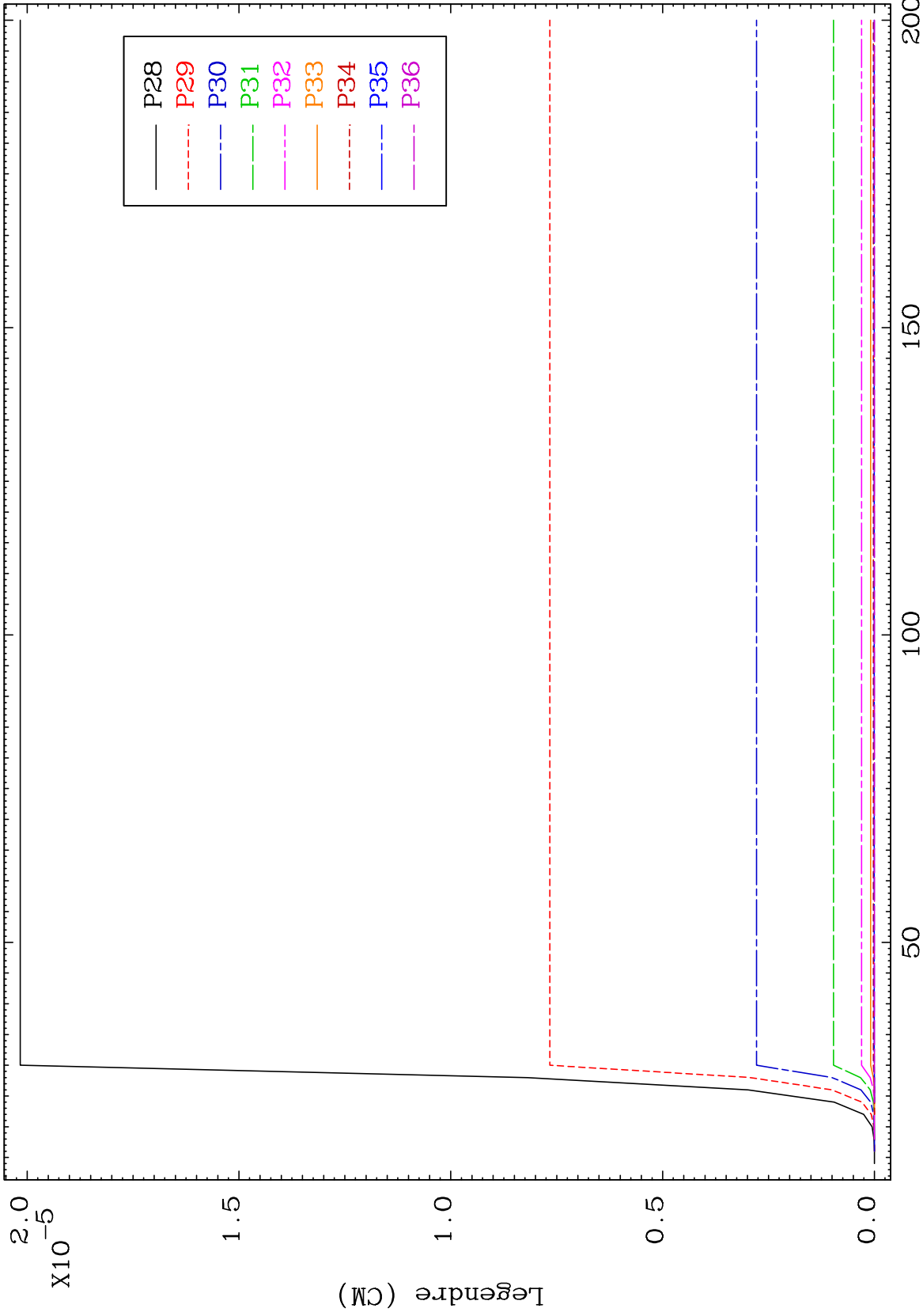
Incident Energy (MeV)

82-Pb-190

MAT 8183

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

82-Pb-190



32

Incident Energy (MeV)

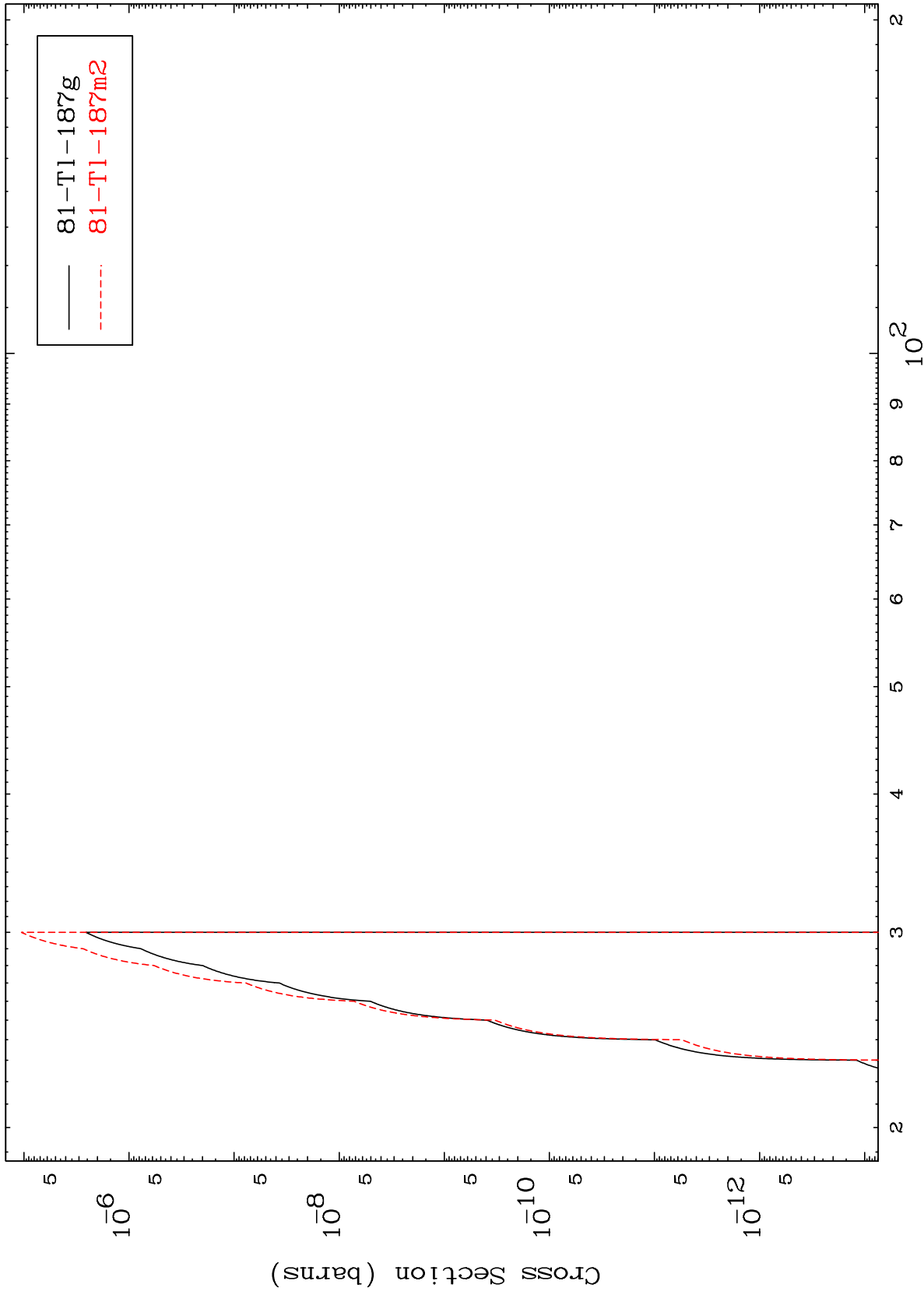
82-Pb-190

MAT 8183

(n,2n) d

82-Pb-190

Radionuclide Production Cross Section



33

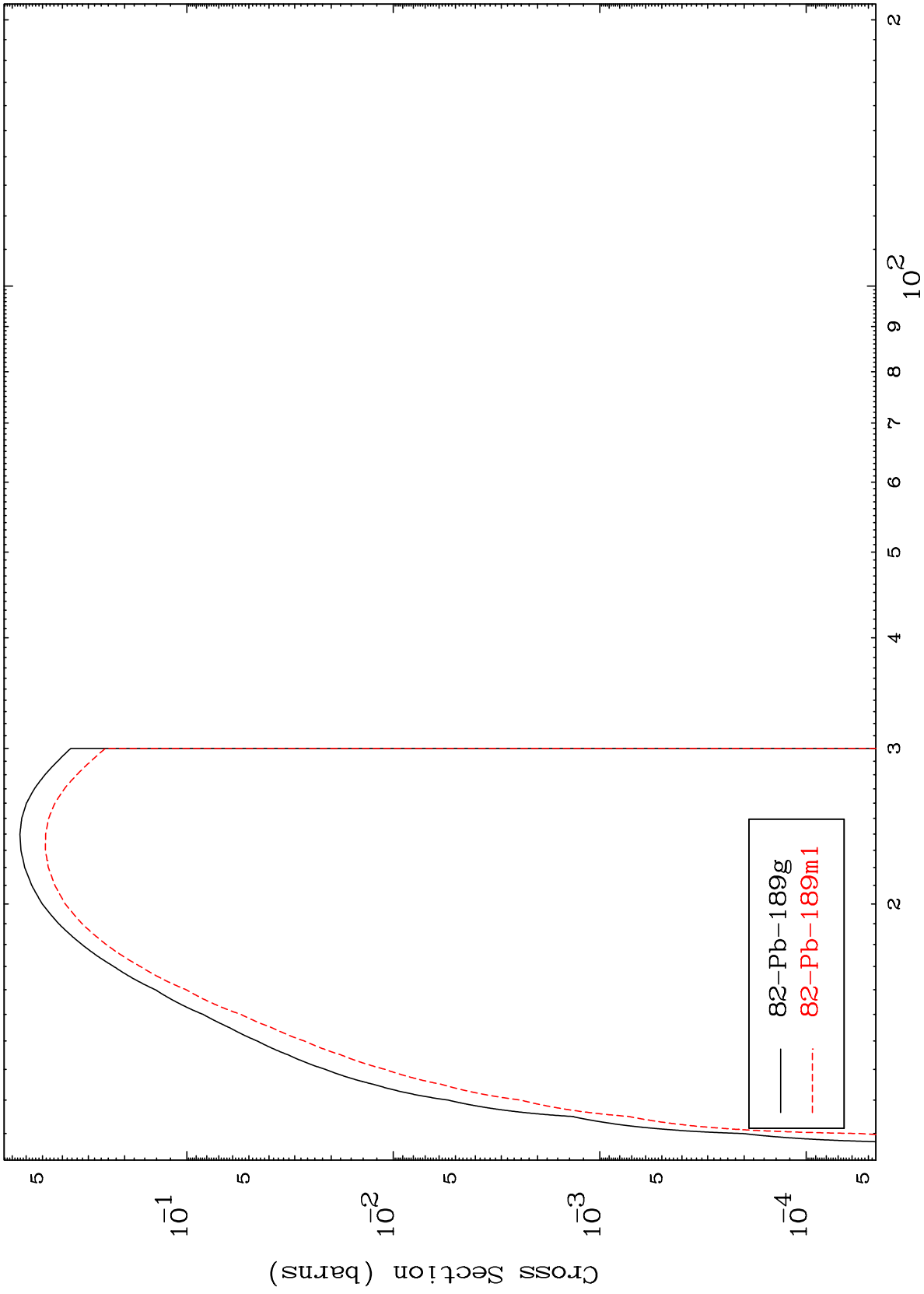
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

(n,2n)
Radionuclide Production Cross Section



34

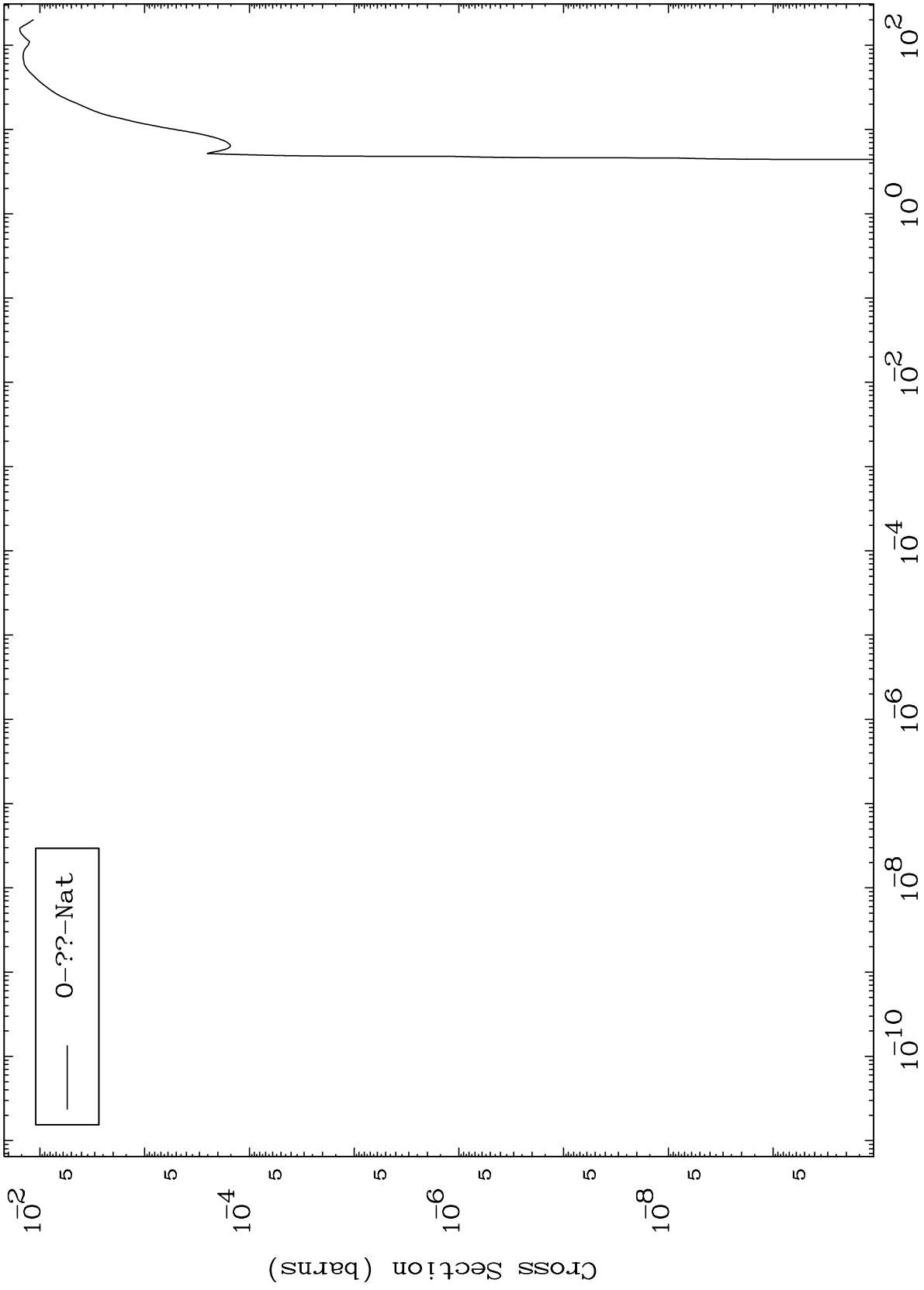
82-Pb-190

Incident Energy (MeV)

MAT 8183

Fission
Radionuclide Production Cross Section

82-Pb-190



35

Incident Energy (MeV)

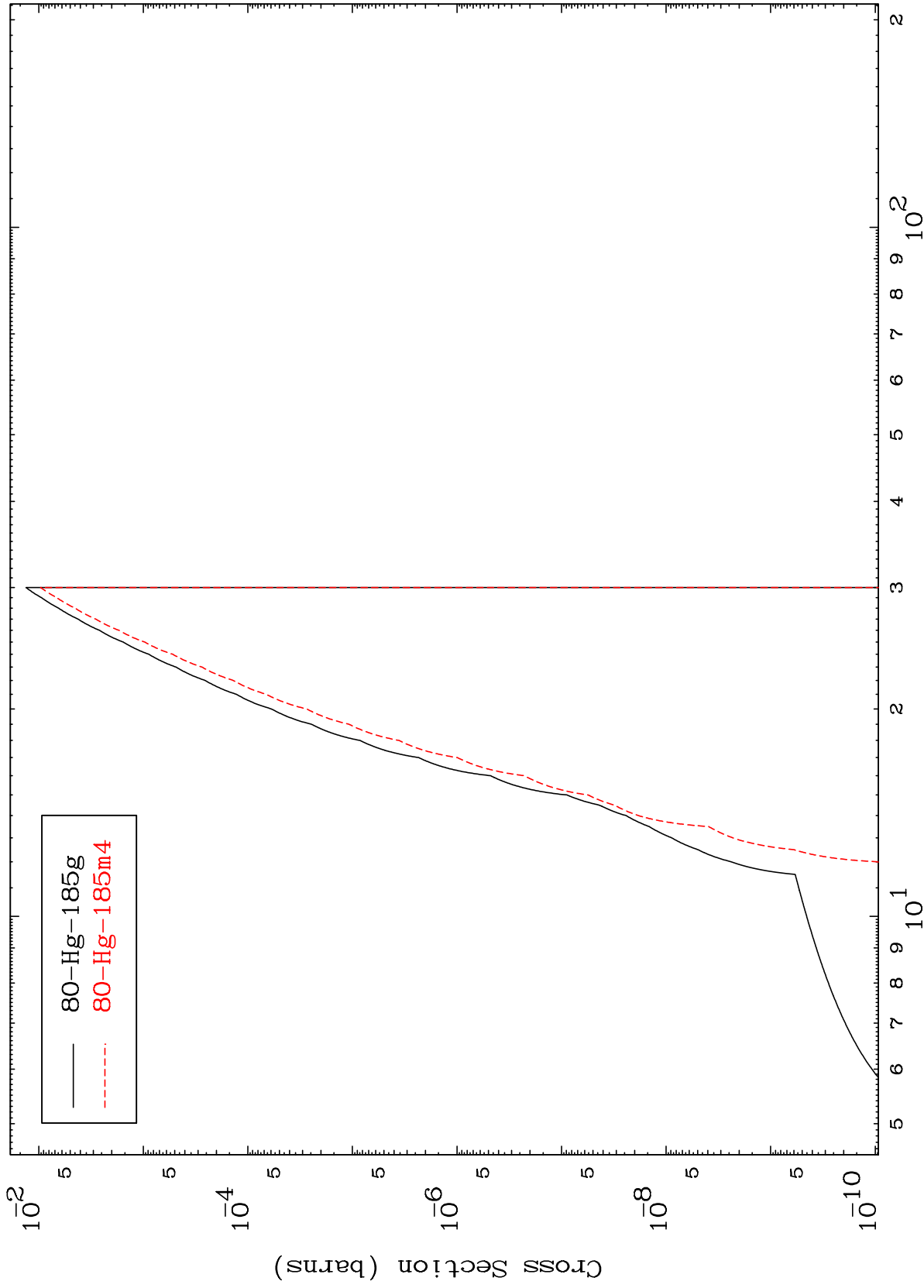
82-Pb-190

MAT 8183

(n,2n) α

82-Pb-190

Radionuclide Production Cross Section



36

Incident Energy (MeV)

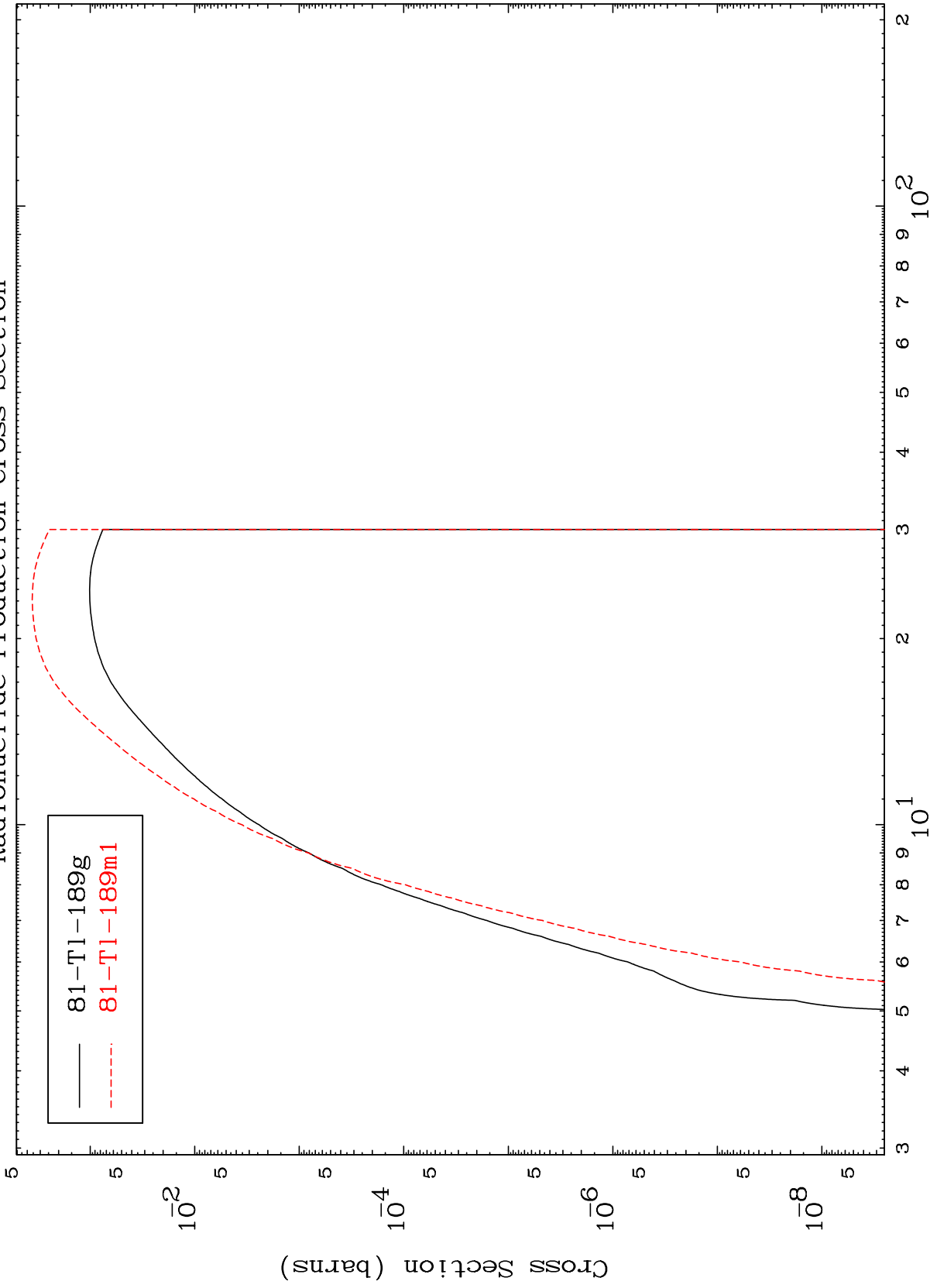
82-Pb-190

MAT 8183

(n,n') p

82-Pb-190

Radionuclide Production Cross Section



37

Incident Energy (MeV)

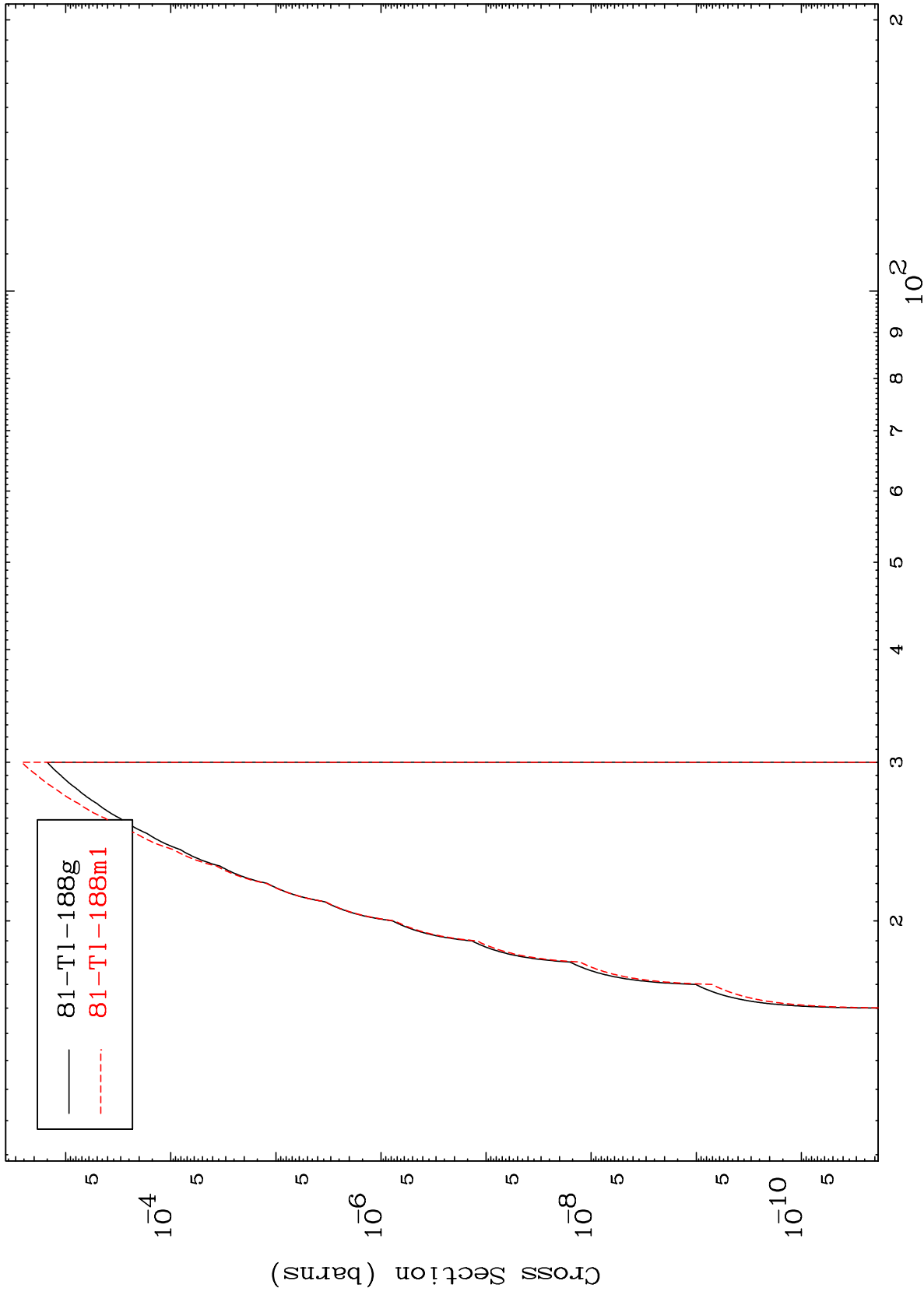
82-Pb-190

MAT 8183

(n,n') d

82-Pb-190

Radionuclide Production Cross Section



38

Incident Energy (MeV)

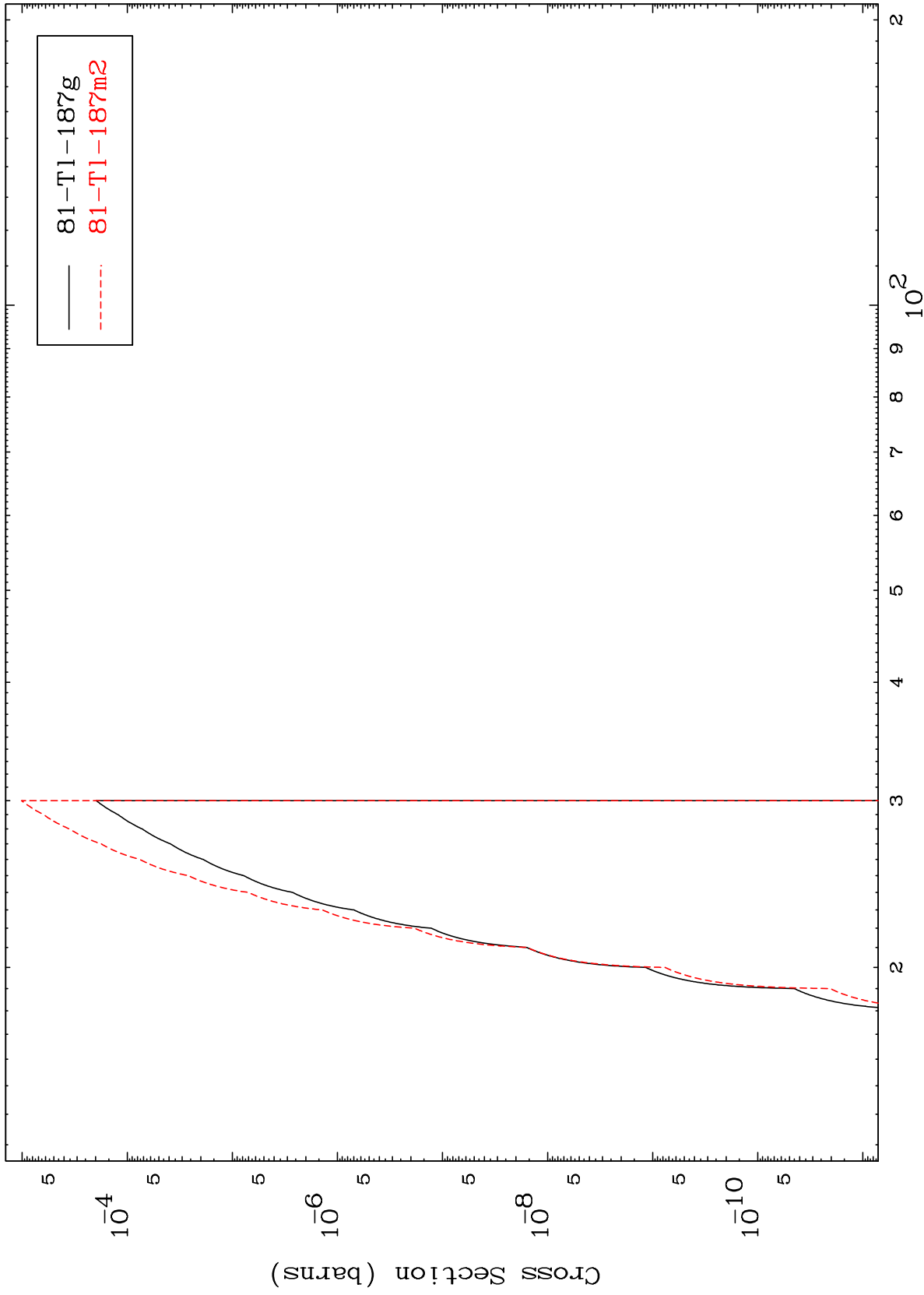
82-Pb-190

MAT 8183

(n,n') t

82-Pb-190

Radionuclide Production Cross Section



39

Incident Energy (MeV)

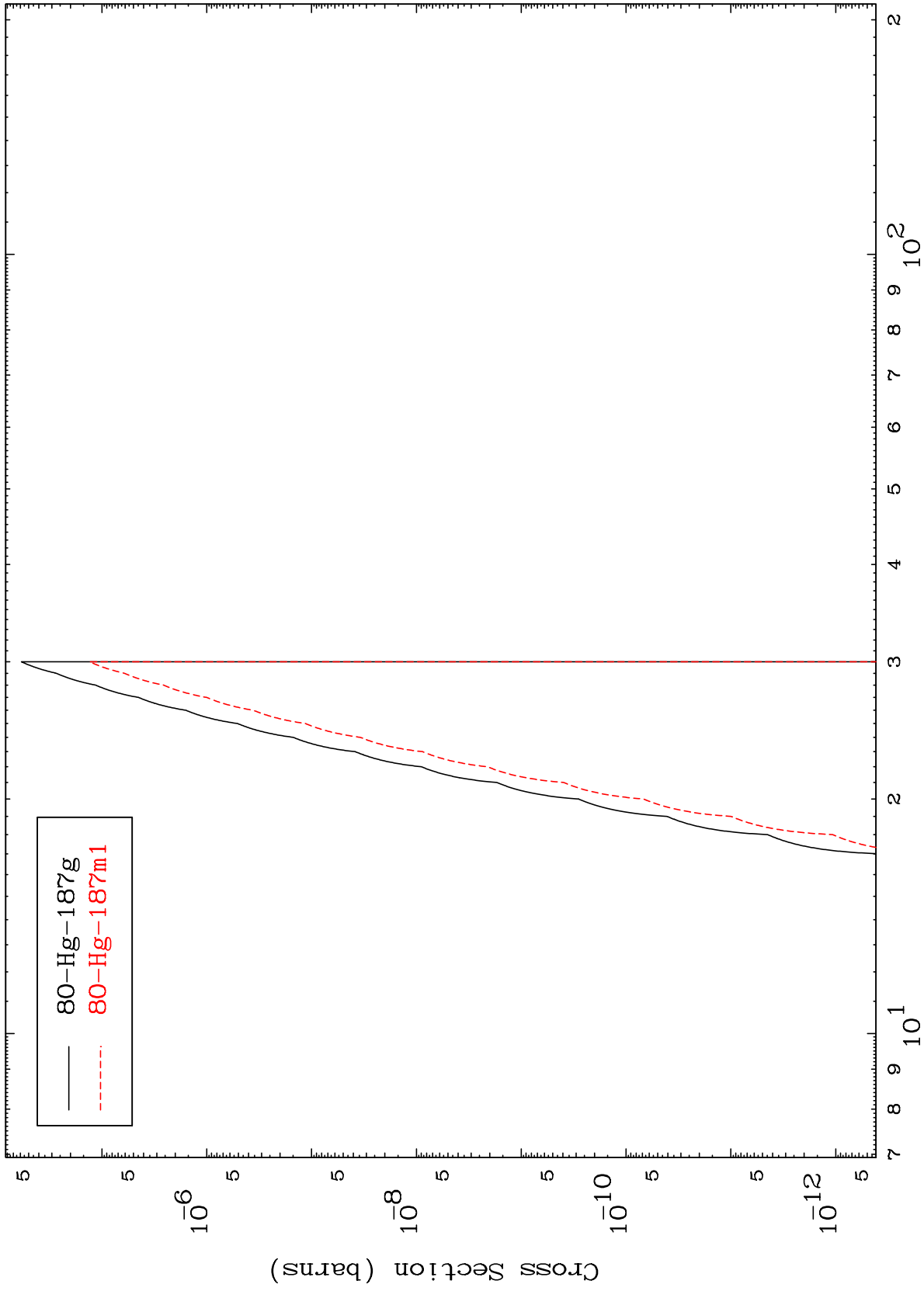
82-Pb-190

MAT 8183

(n, n') He-3

82-Pb-190

Radionuclide Production Cross Section



80-Hg-187g
80-Hg-187m1

40

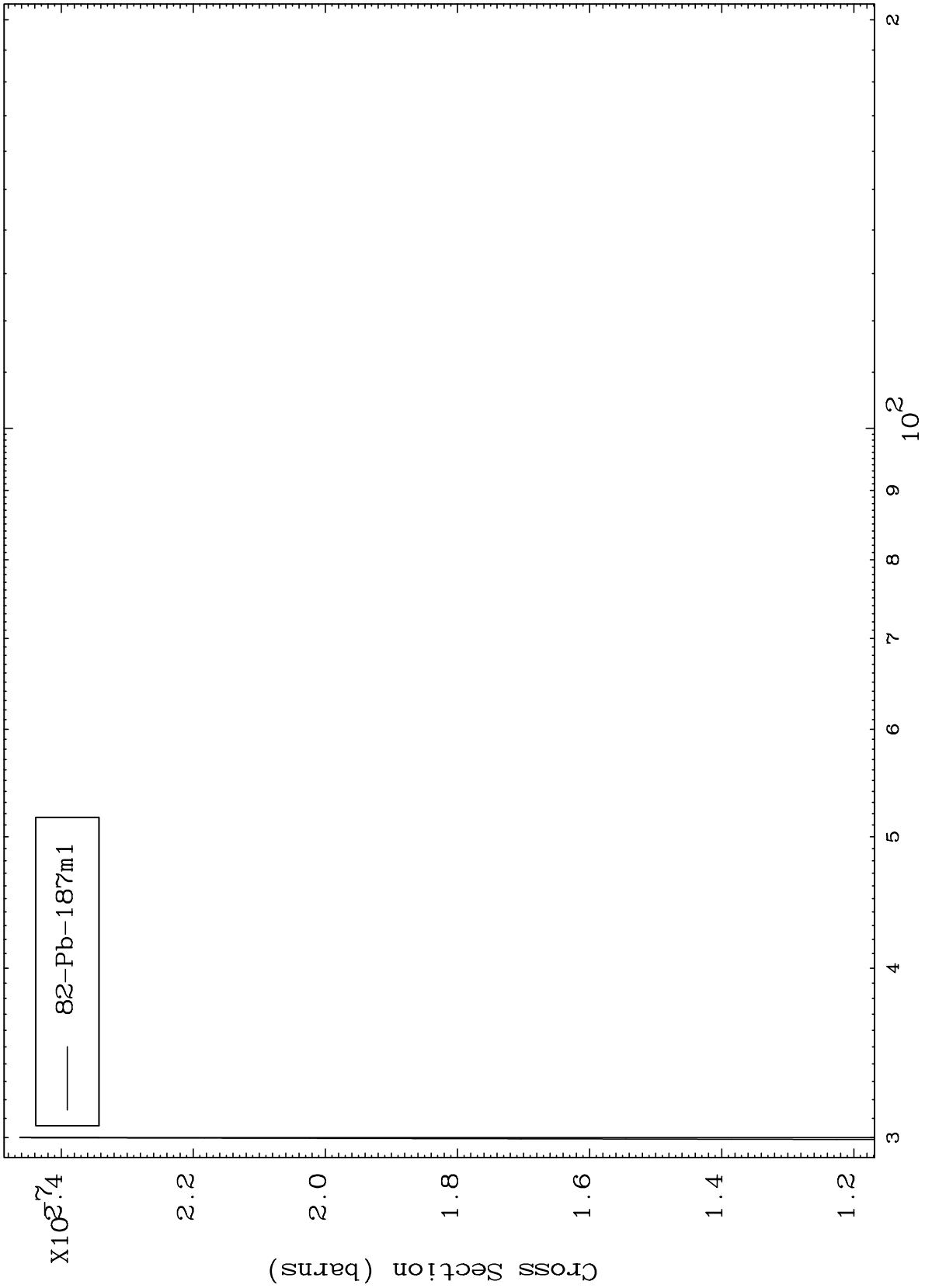
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

(n,4n)
Radionuclide Production Cross Section



41

82-Pb-190

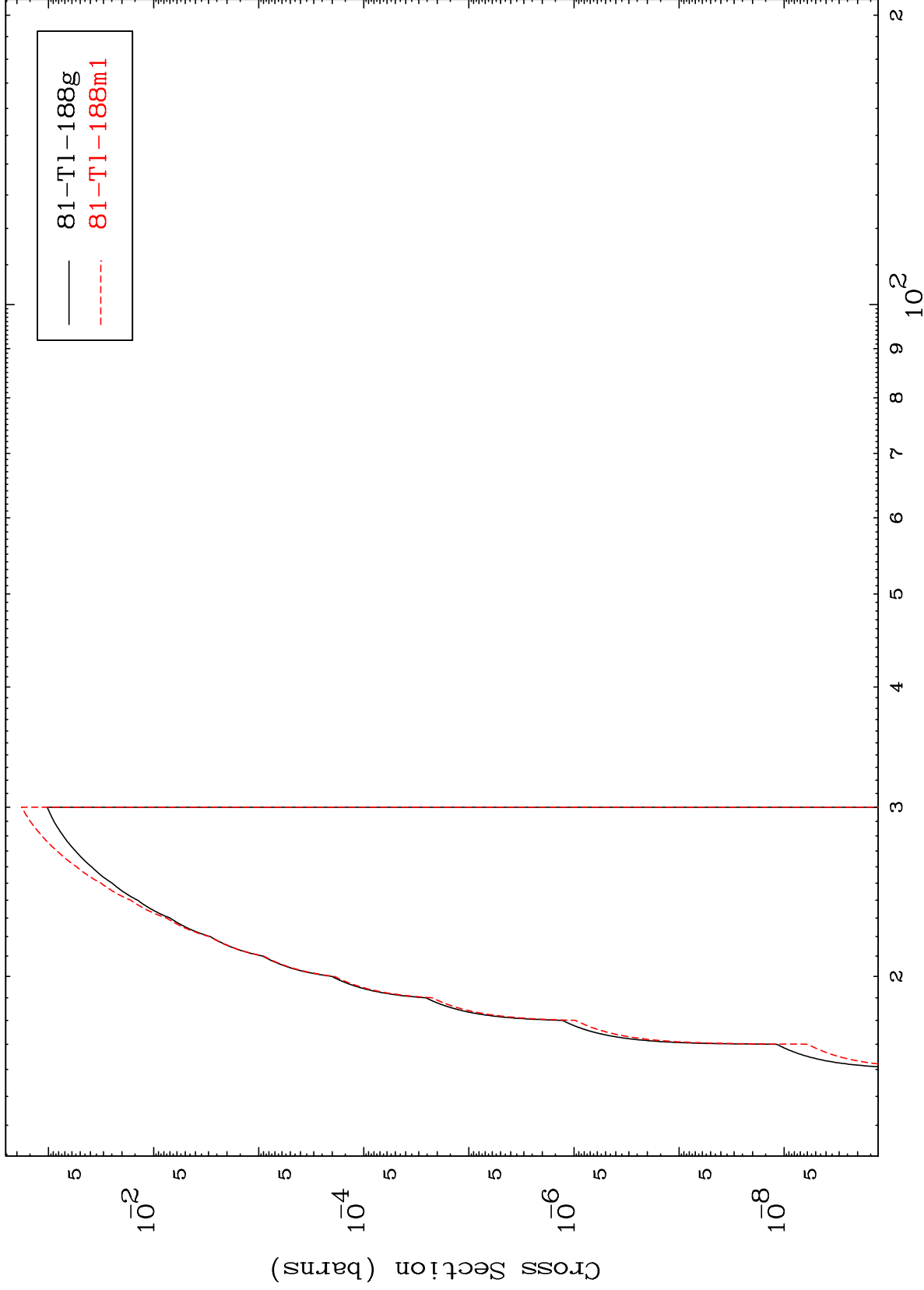
Incident Energy (MeV)

MAT 8183

(n,2n) p

82-Pb-190

Radionuclide Production Cross Section



42

Incident Energy (MeV)

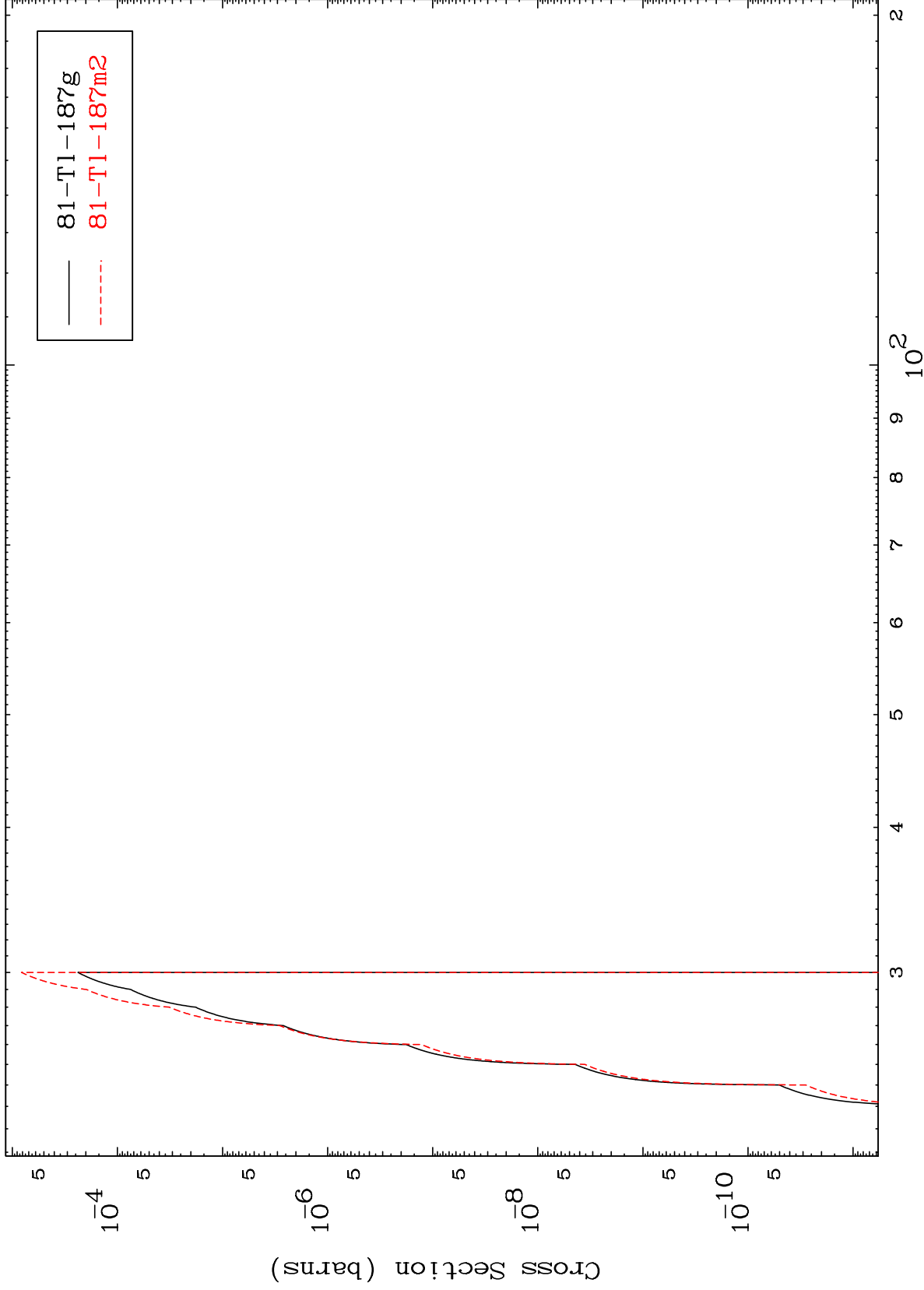
82-Pb-190

MAT 8183

(n,3n) p

82-Pb-190

Radionuclide Production Cross Section



43

Incident Energy (MeV)

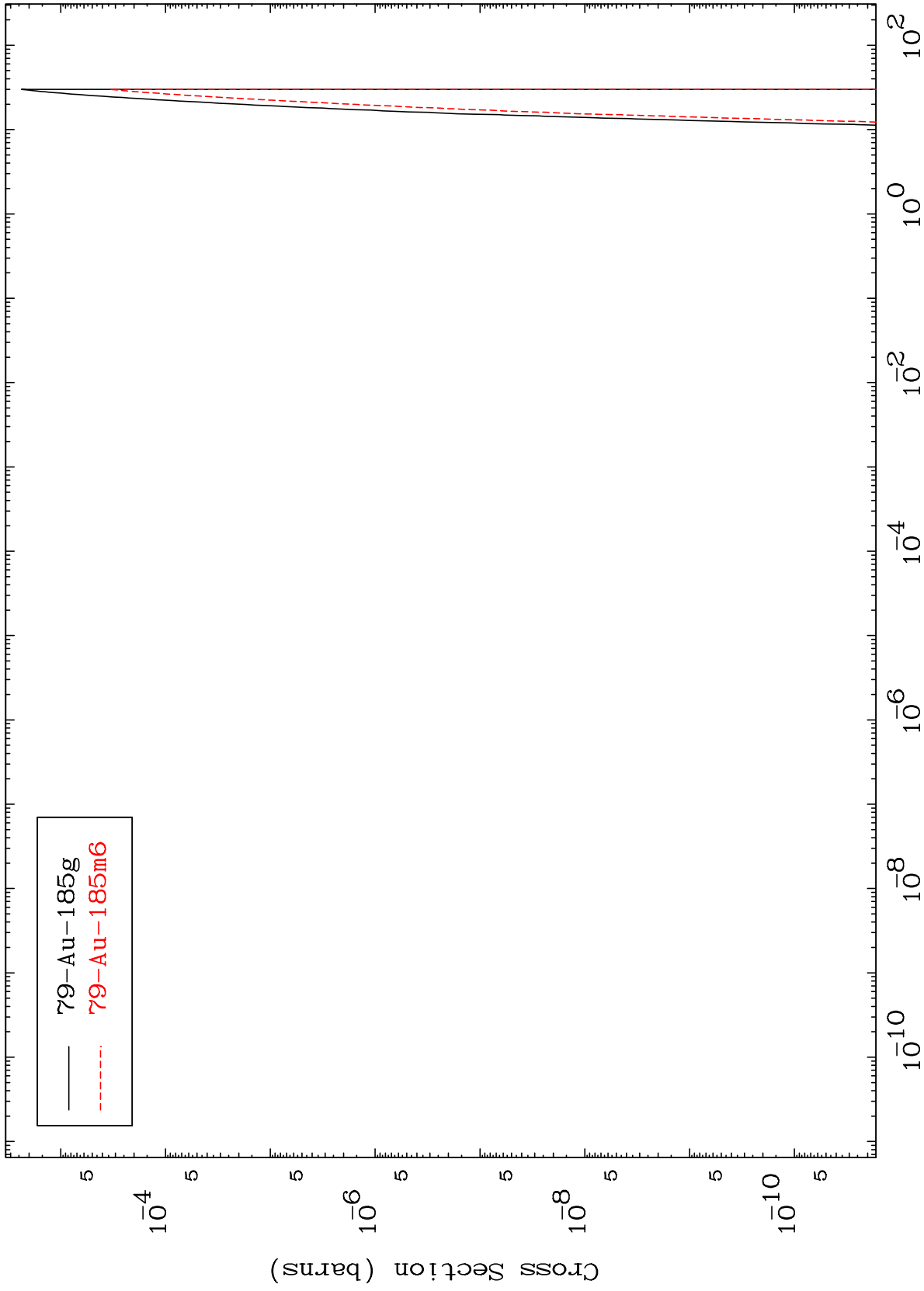
82-Pb-190

MAT 8183

(n,n') p α

82-Pb-190

Radionuclide Production Cross Section



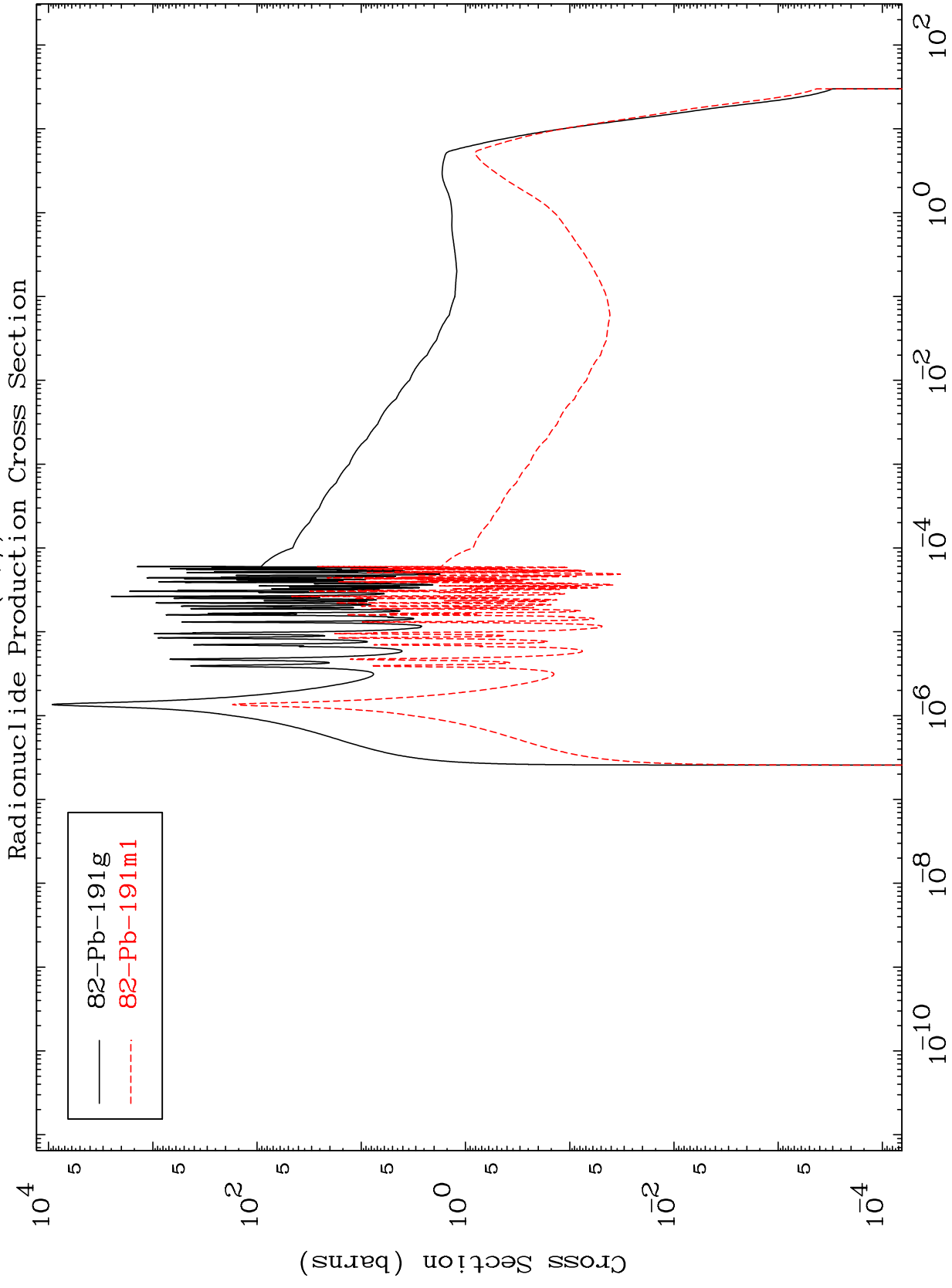
44

Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

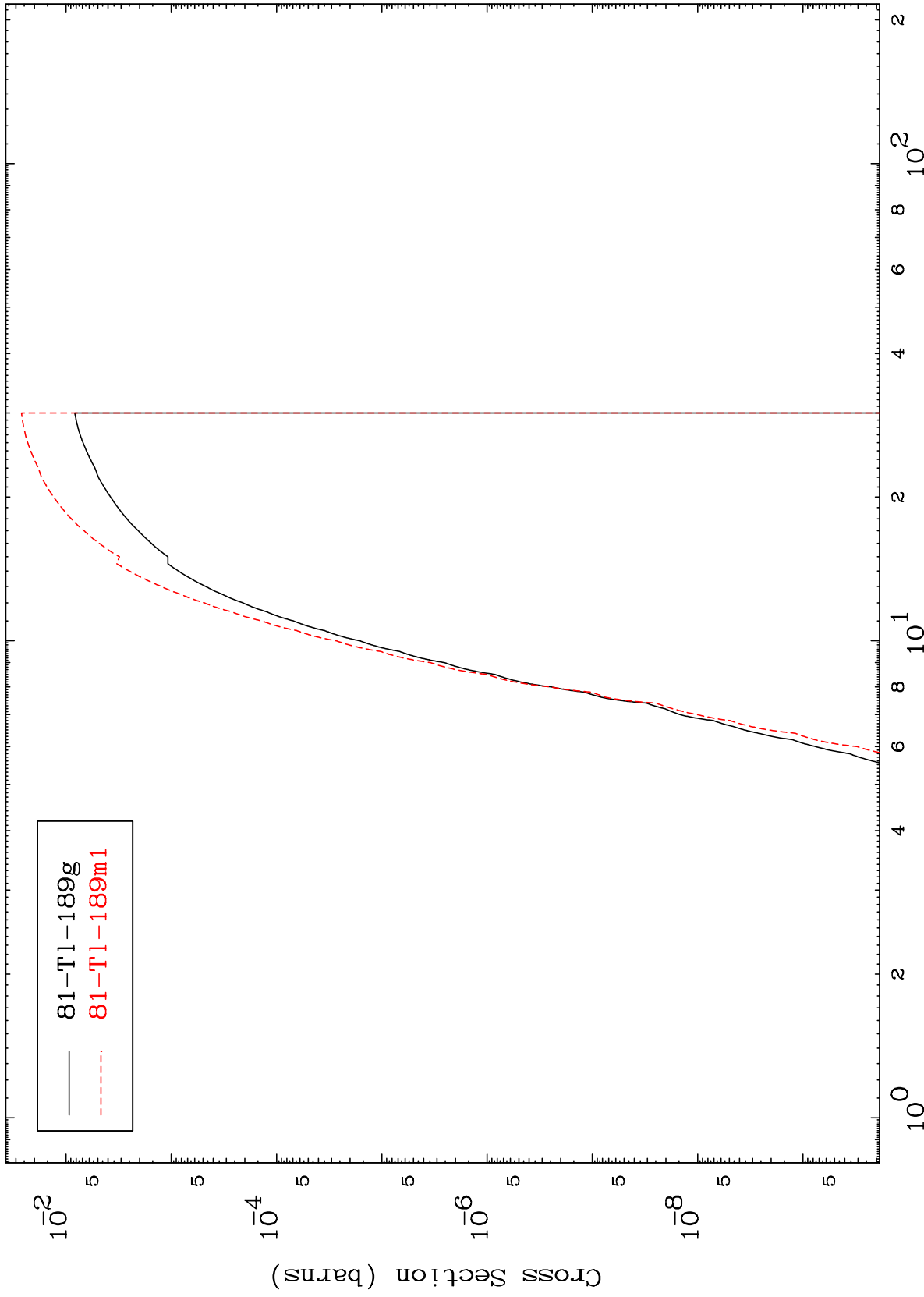


MAT 8183

(n,d)

82-Pb-190

Radionuclide Production Cross Section



46

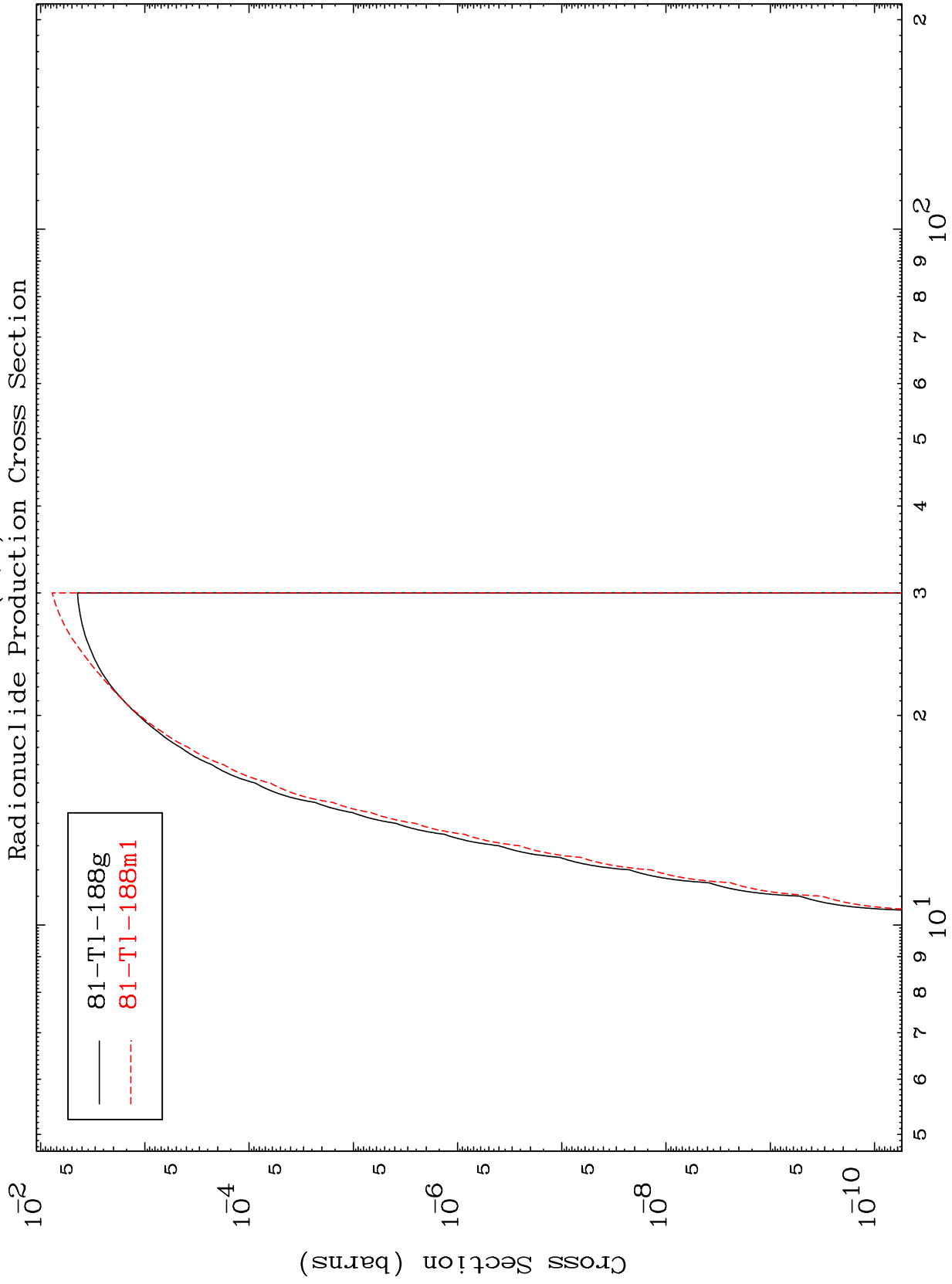
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

(n, t)
Radionuclide Production Cross Section



47

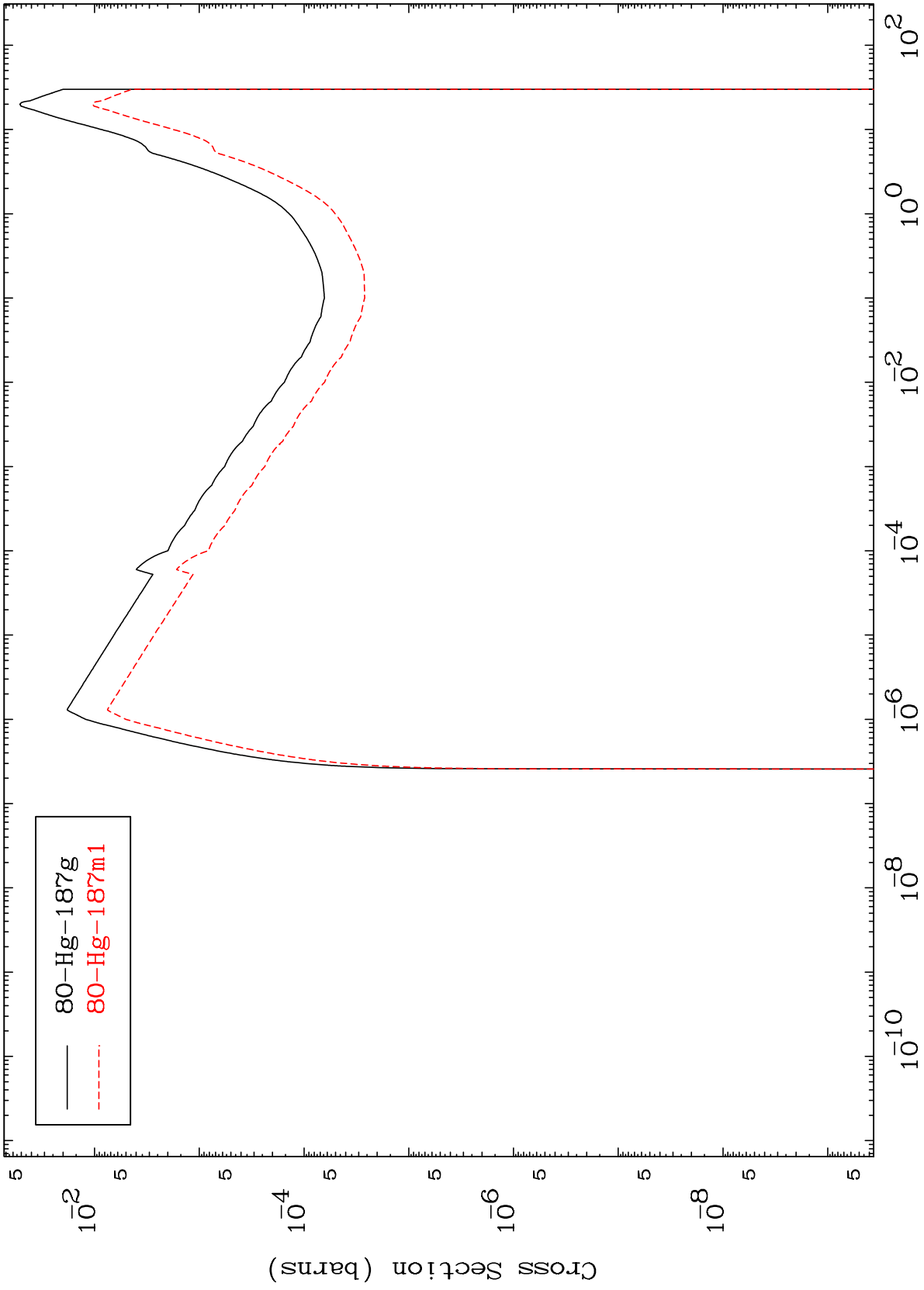
Incident Energy (MeV)

82-Pb-190

MAT 8183

82-Pb-190

Radionuclide Production Cross Section



48

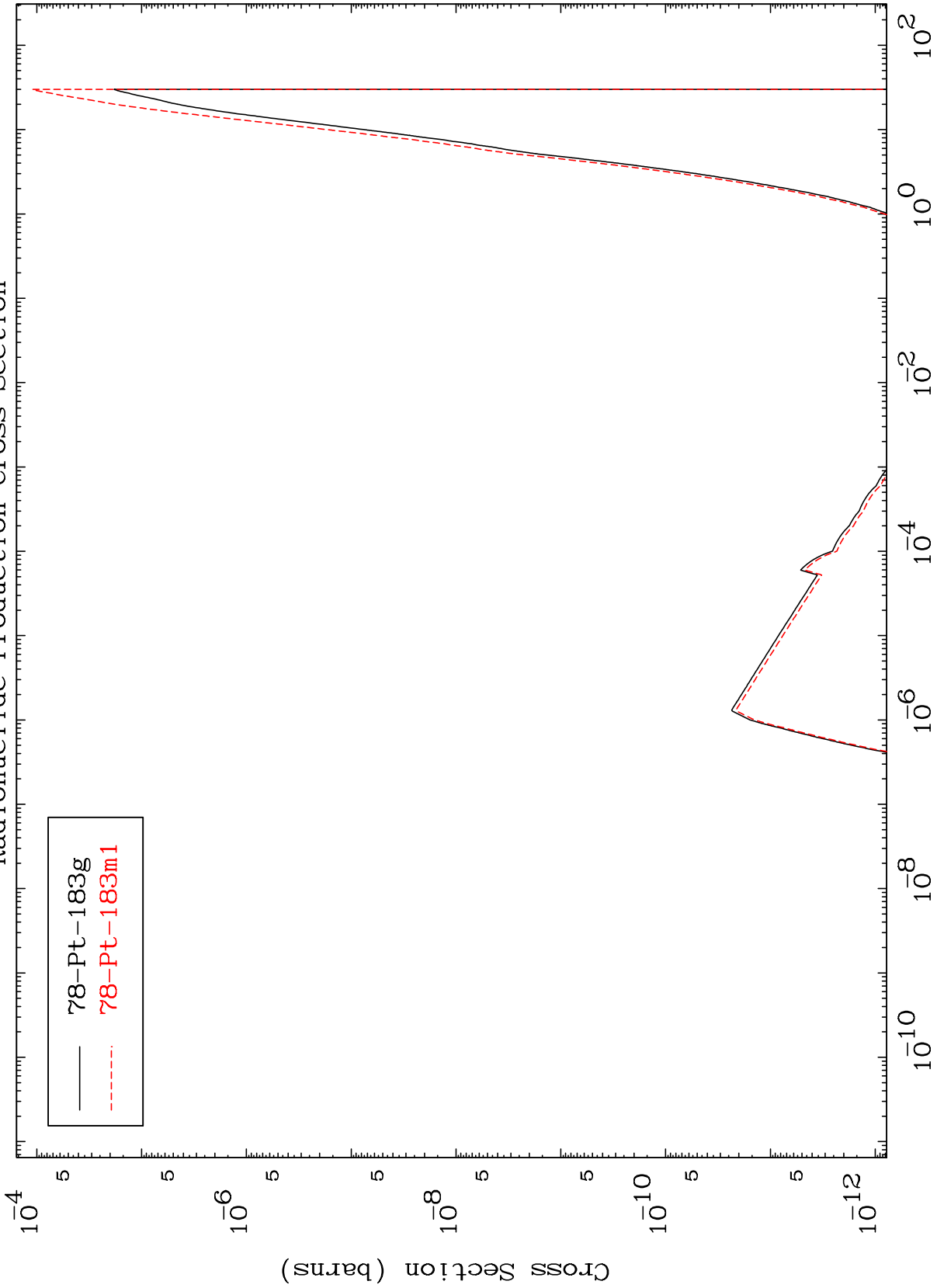
82-Pb-190

MAT 8183

(n,2α)

82-Pb-190

Radionuclide Production Cross Section



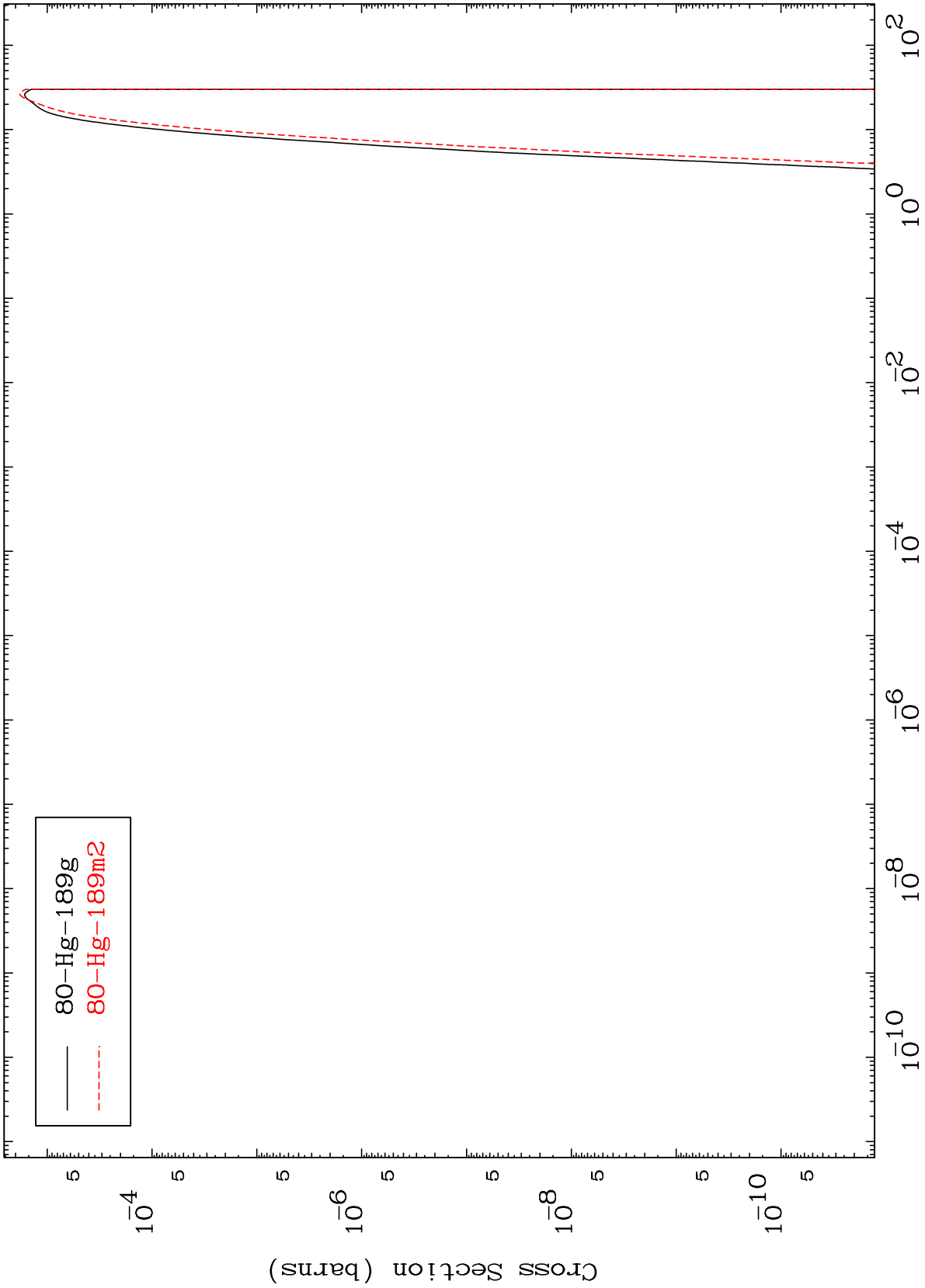
78-Pt-183g
78-Pt-183m1

MAT 8183

(n,2p)

82-Pb-190

Radionuclide Production Cross Section

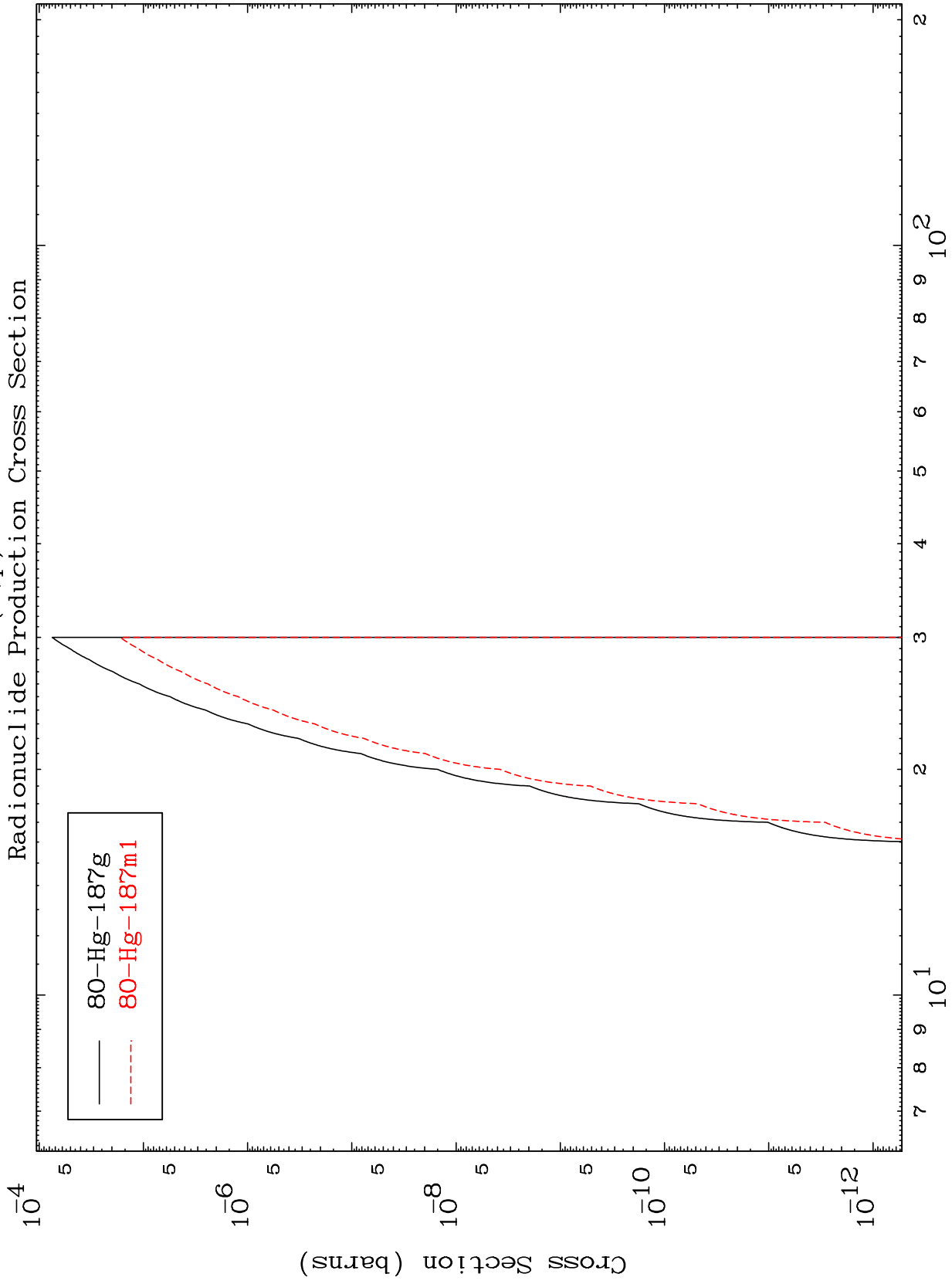


80-Hg-189g
80-Hg-189m2

MAT 8183

(n,p) t

82-Pb-190



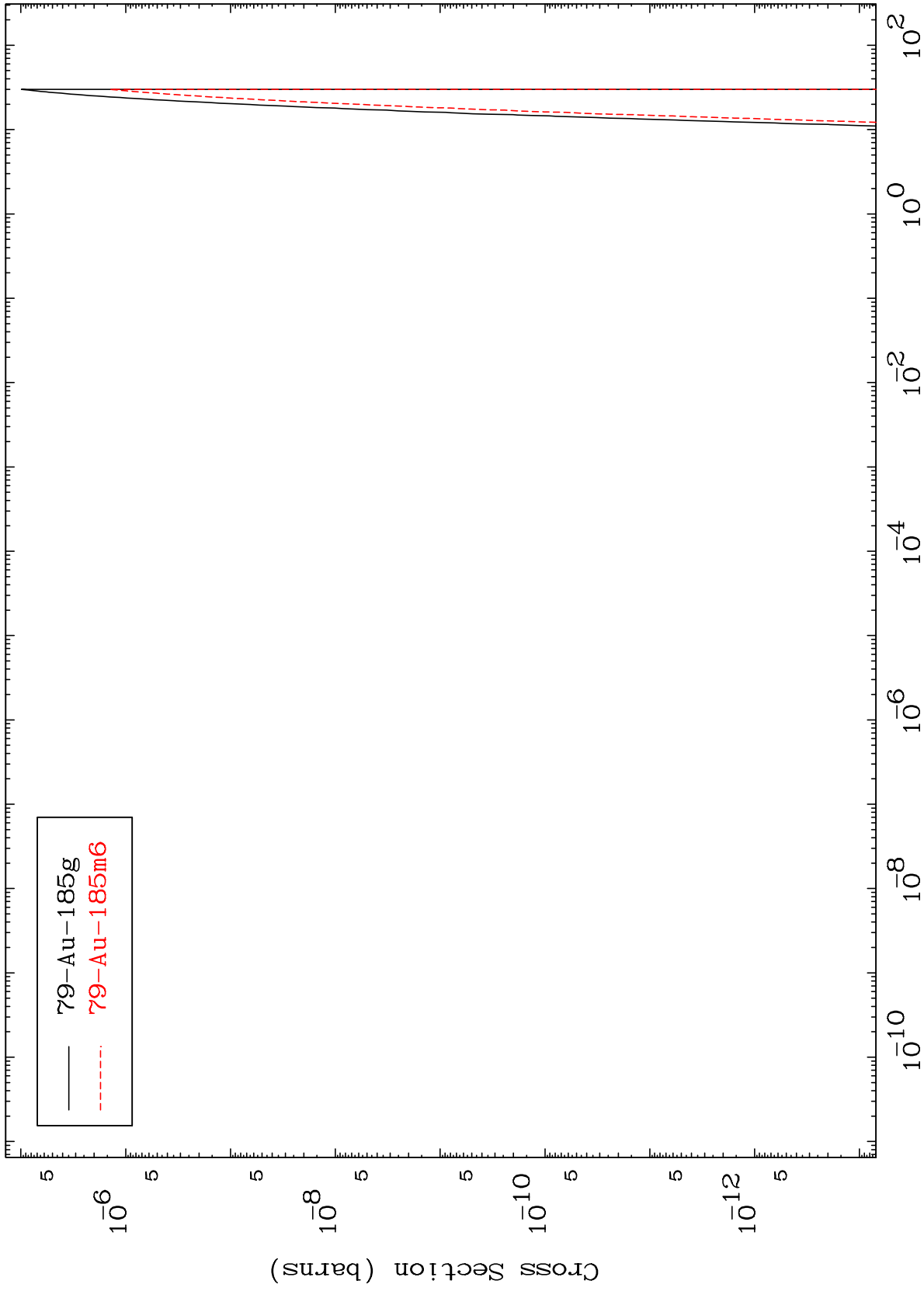
80-Hg-187g
80-Hg-187m1

MAT 8183

(n,d) α

82-Pb-190

Radionuclide Production Cross Section



52

Incident Energy (MeV)

82-Pb-190