

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

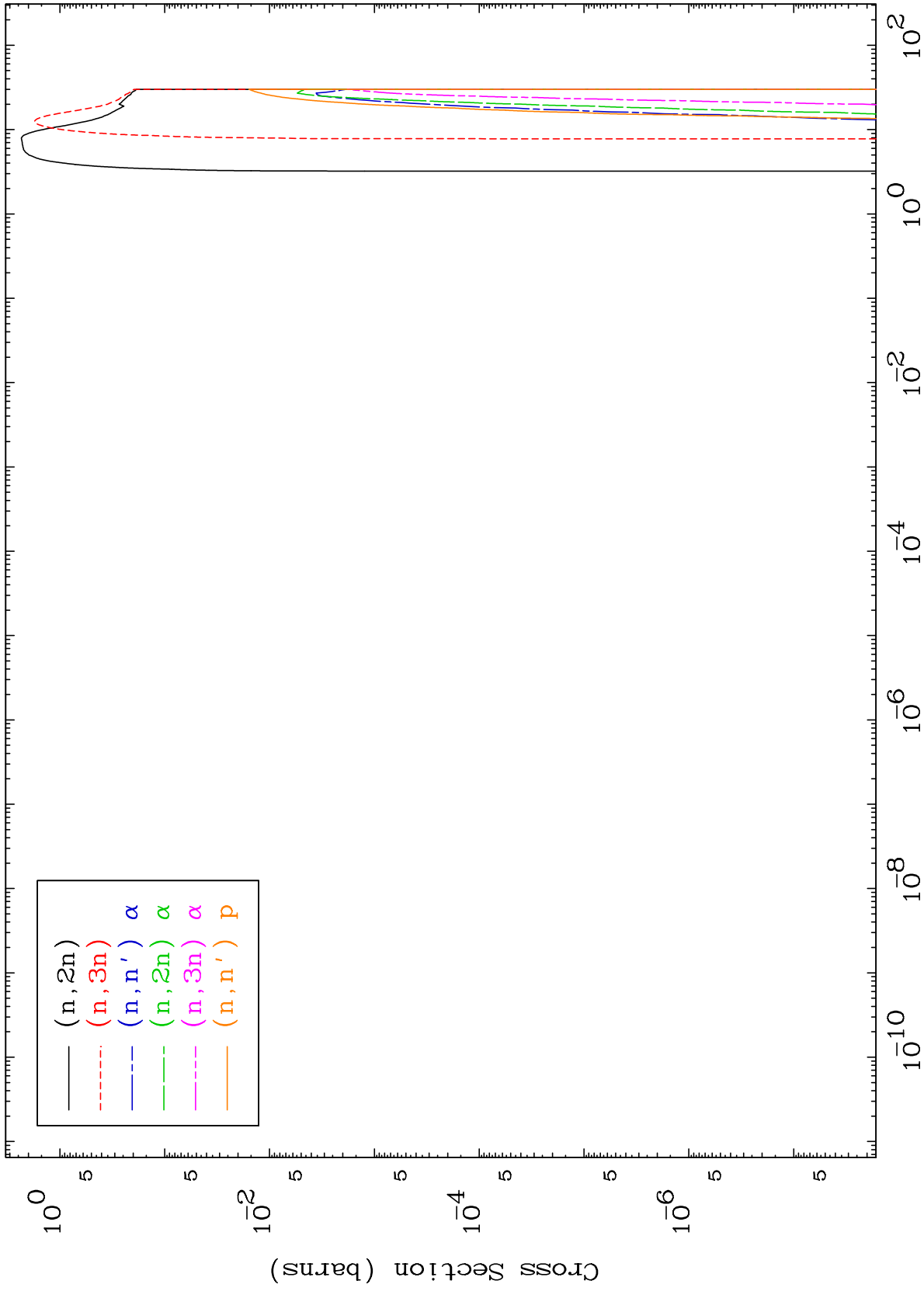
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7964

Neutron Production
293 Kelvin Cross Sections

79-Au-210



2

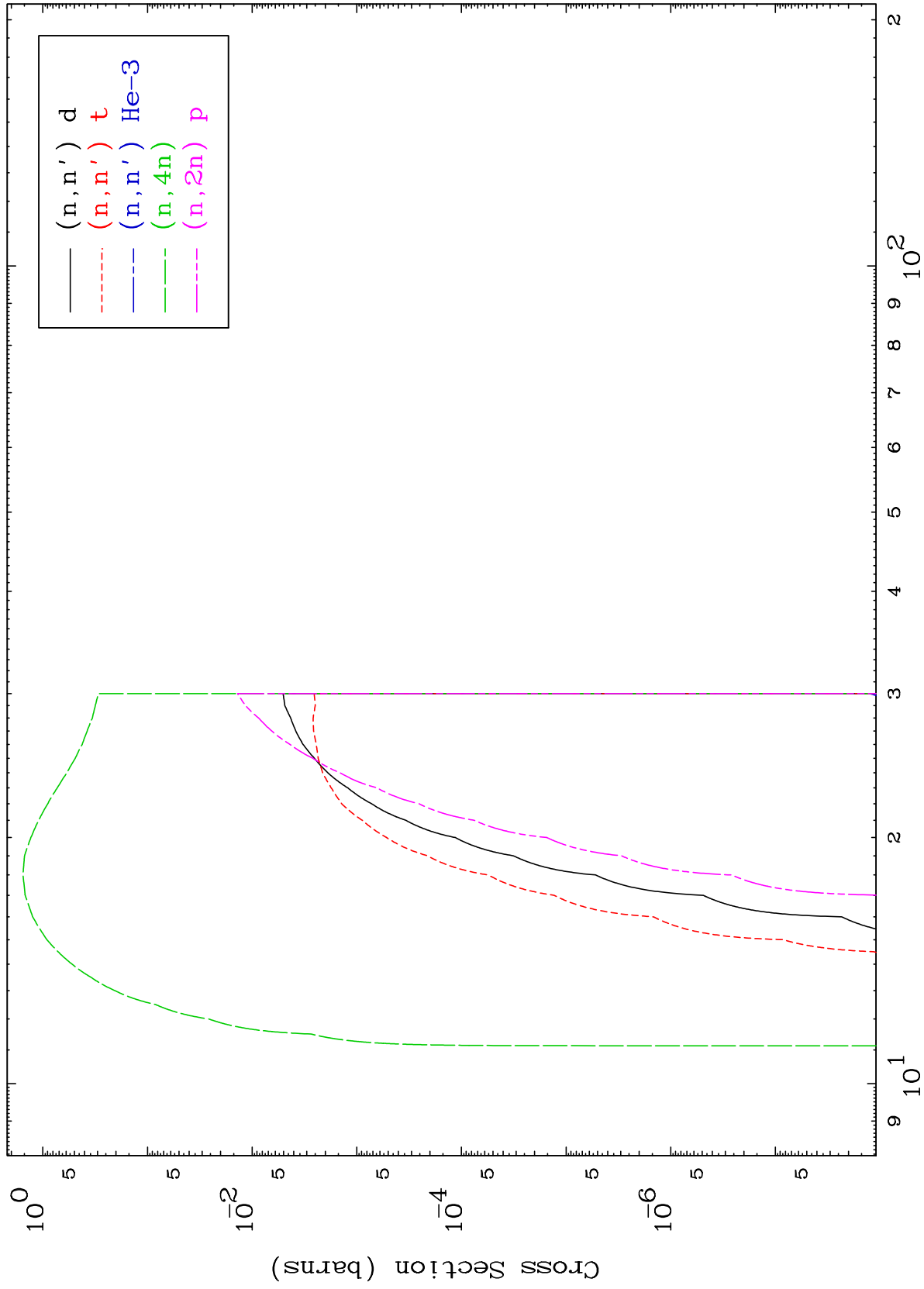
Incident Energy (MeV)

79-Au-210

MAT 7964

Neutron Production
293 Kelvin Cross Sections

79-Au-210



3

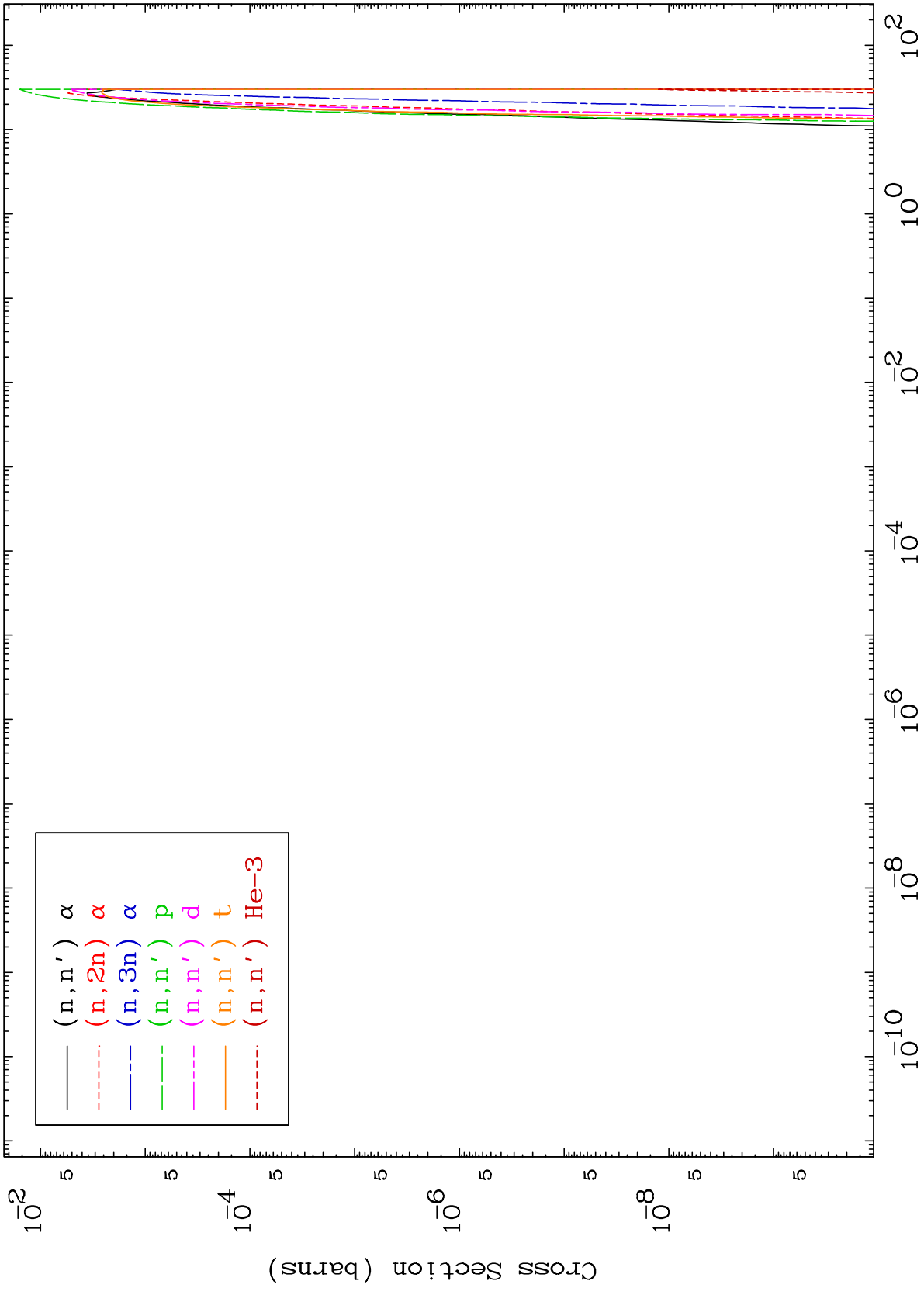
Incident Energy (MeV)

79-Au-210

MAT 7964

Charged Particle
293 Kelvin Cross Sections

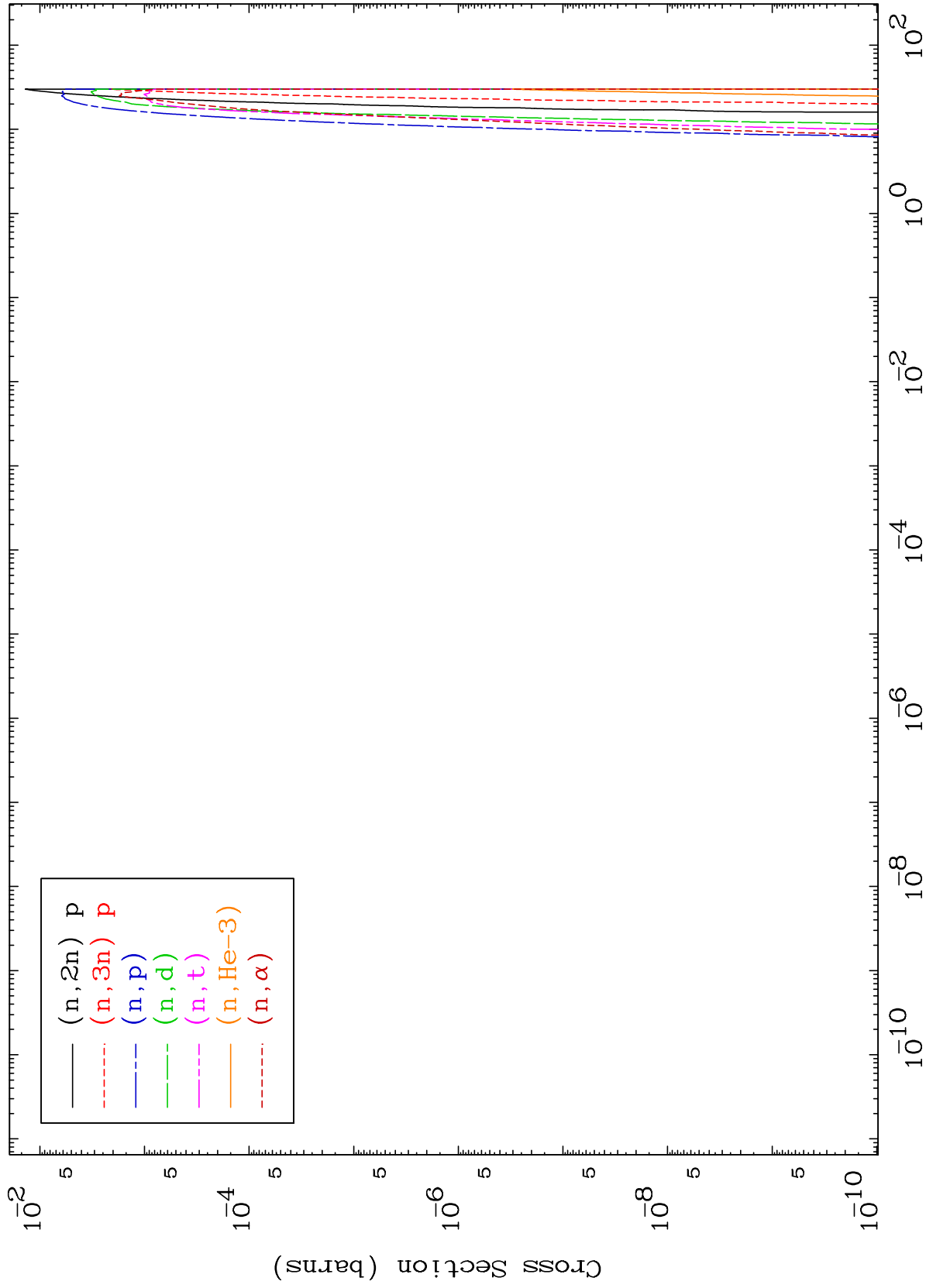
79-Au-210



MAT 7964

Charged Particle
293 Kelvin Cross Sections

79-Au-210



5

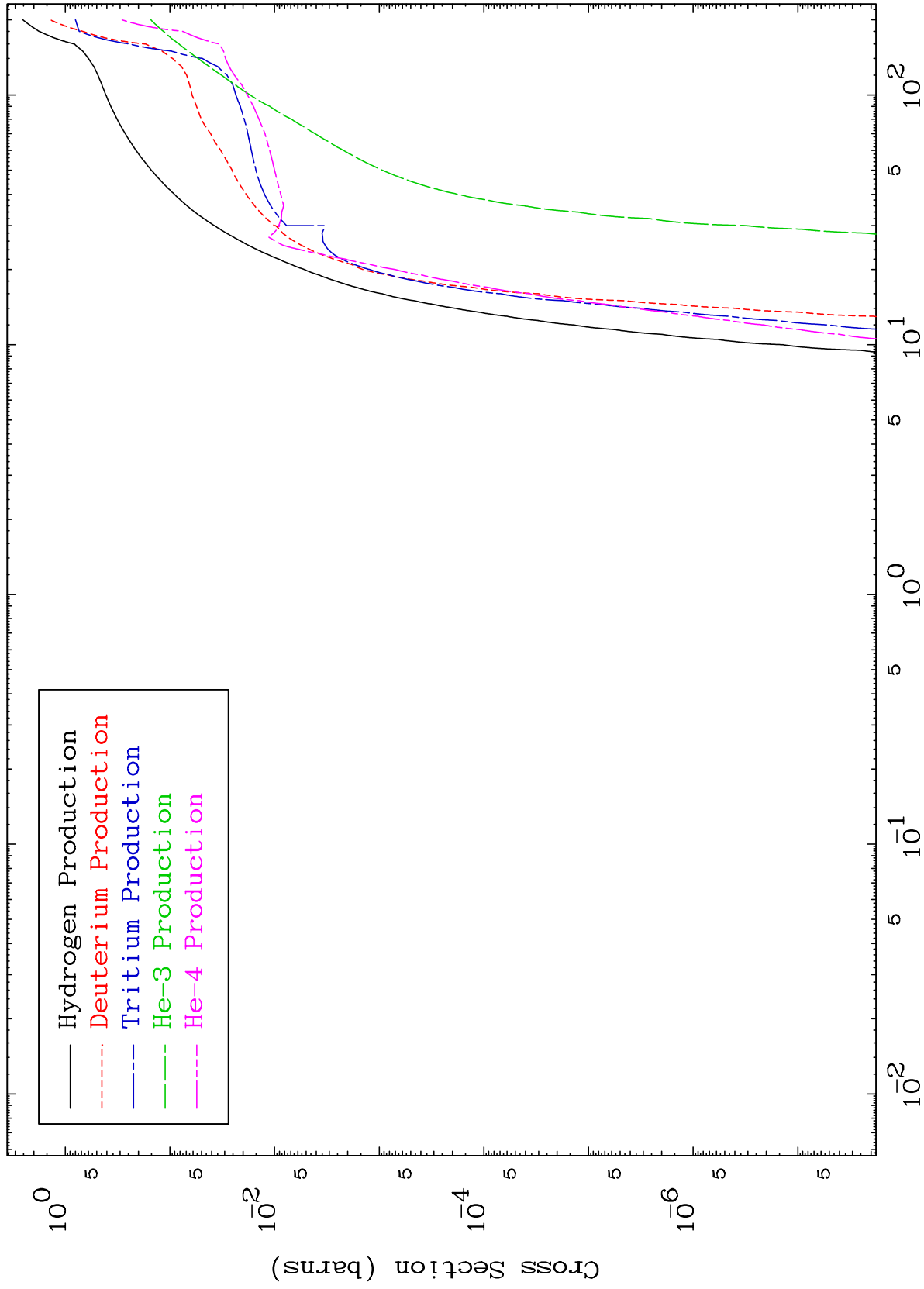
Incident Energy (MeV)

79-Au-210

MAT 7964

Particle Production
293 Kelvin Cross Sections

79-Au-210



6

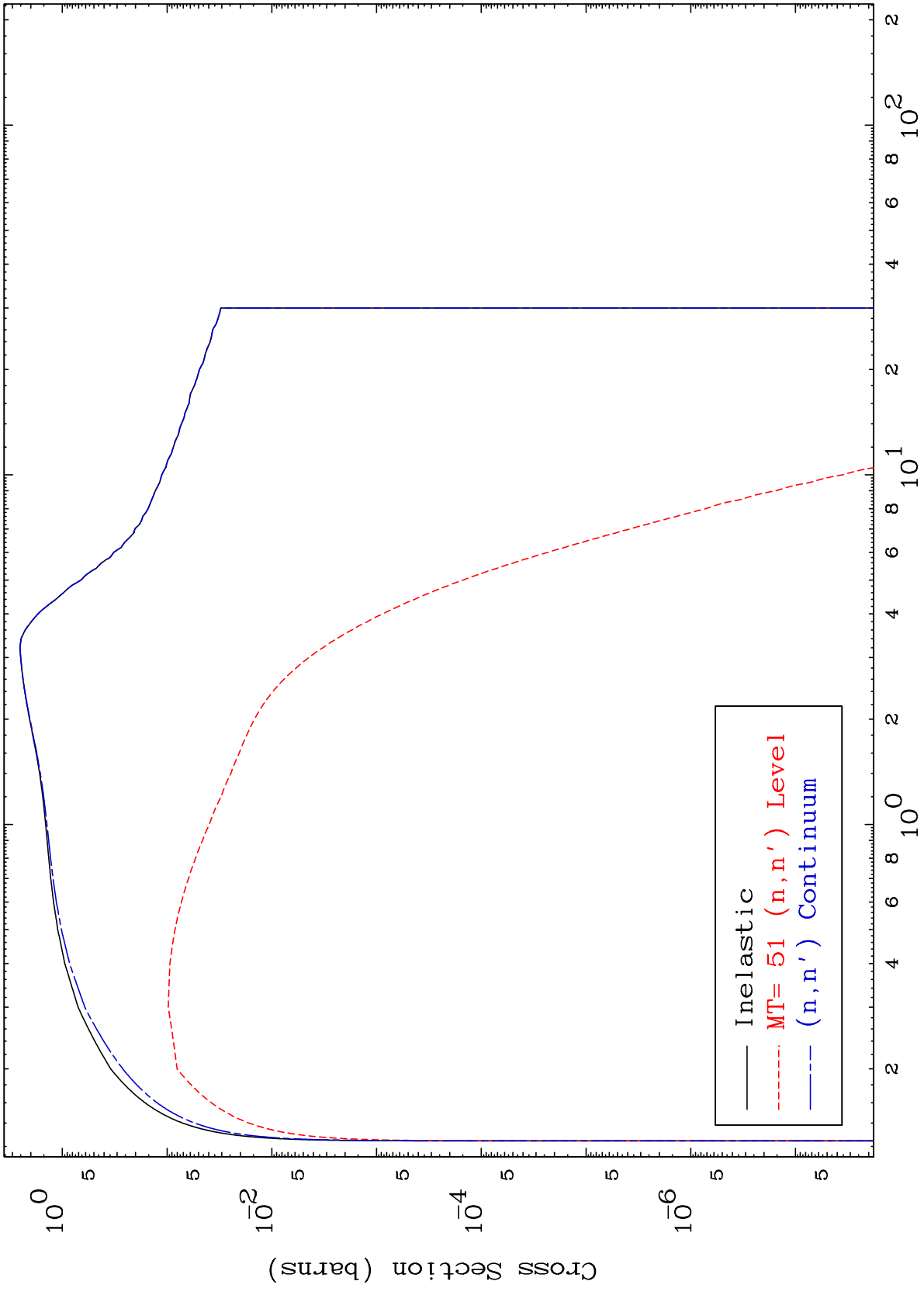
Incident Energy (MeV)

79-Au-210

MAT 7964

(n,n') Level
293 Kelvin Cross Sections

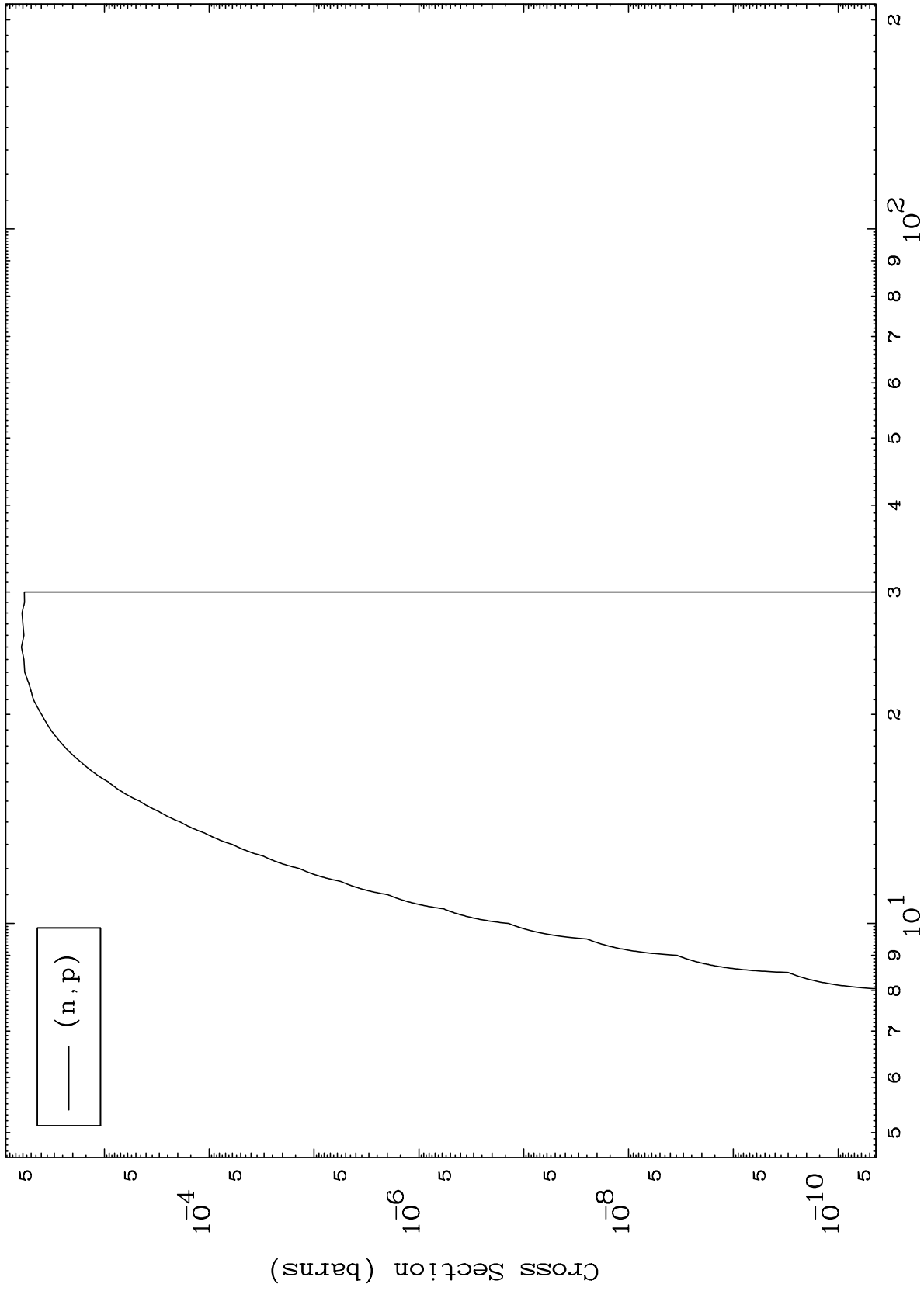
79-Au-210



MAT 7964

(n,p) Levels
293 Kelvin Cross Sections

79-Au-210



8

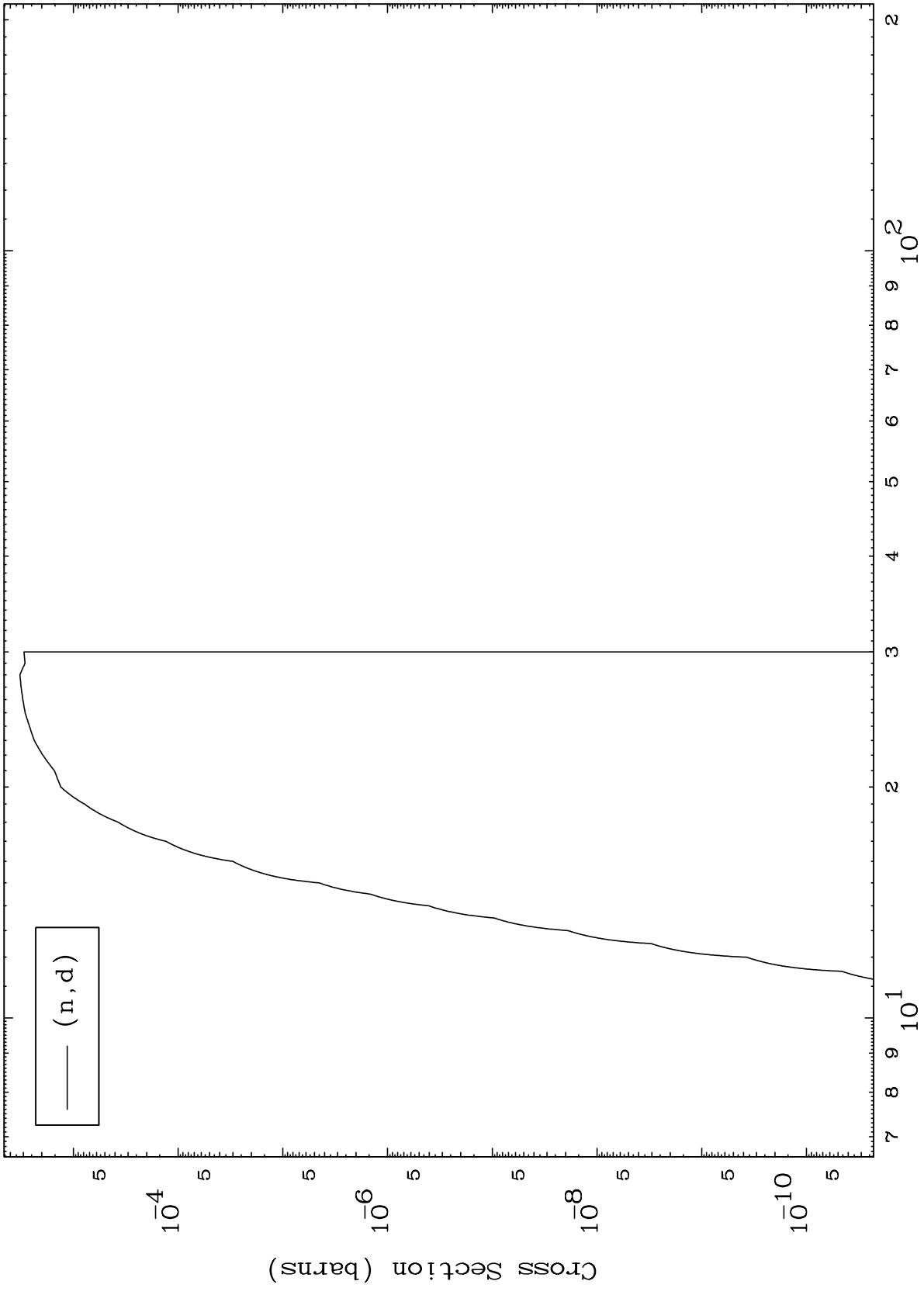
Incident Energy (MeV)

79-Au-210

MAT 7964

(n,d) Levels
293 Kelvin Cross Sections

79-Au-210



9

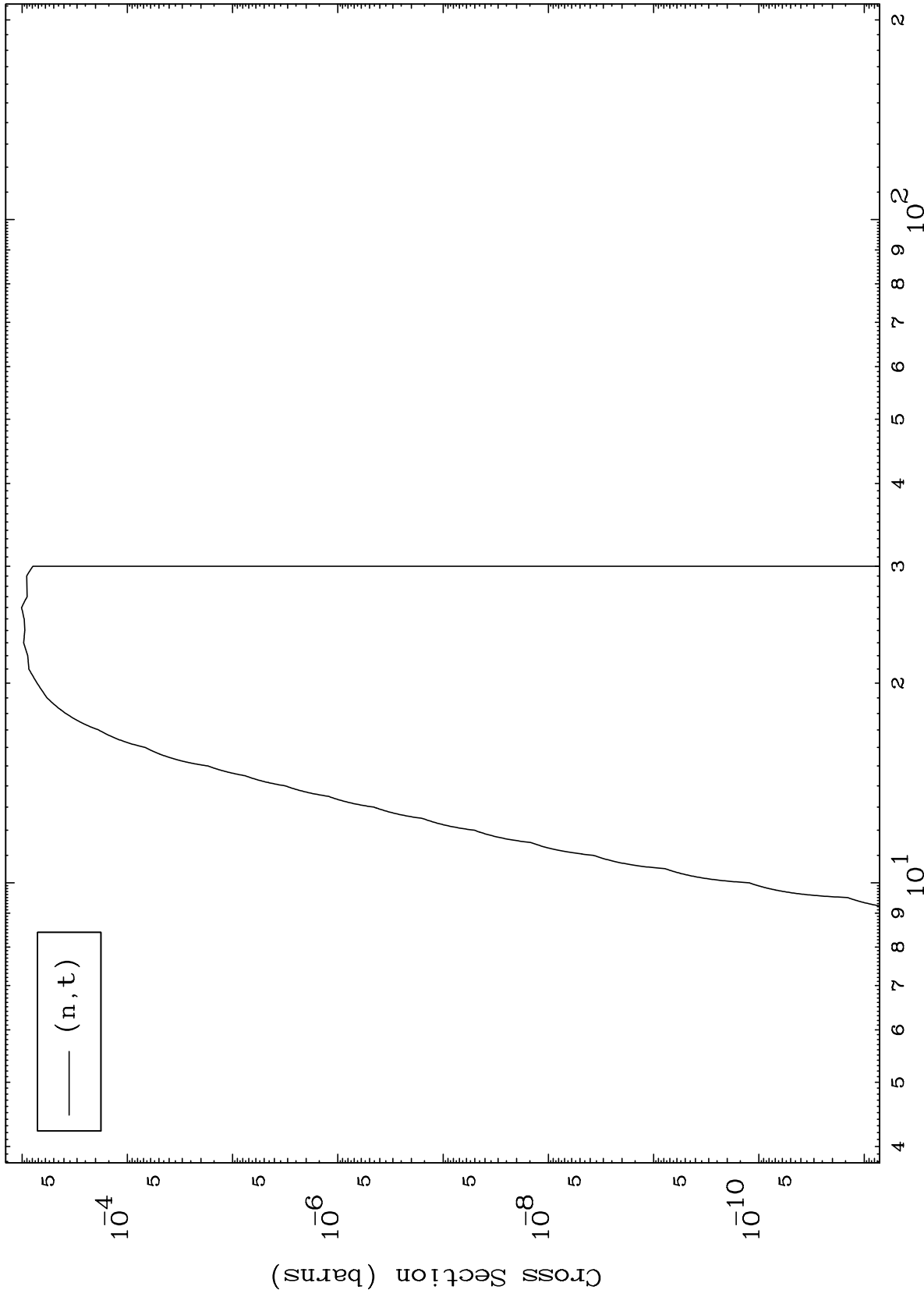
Incident Energy (MeV)

79-Au-210

MAT 7964

(n,t) Levels
293 Kelvin Cross Sections

79-Au-210



10

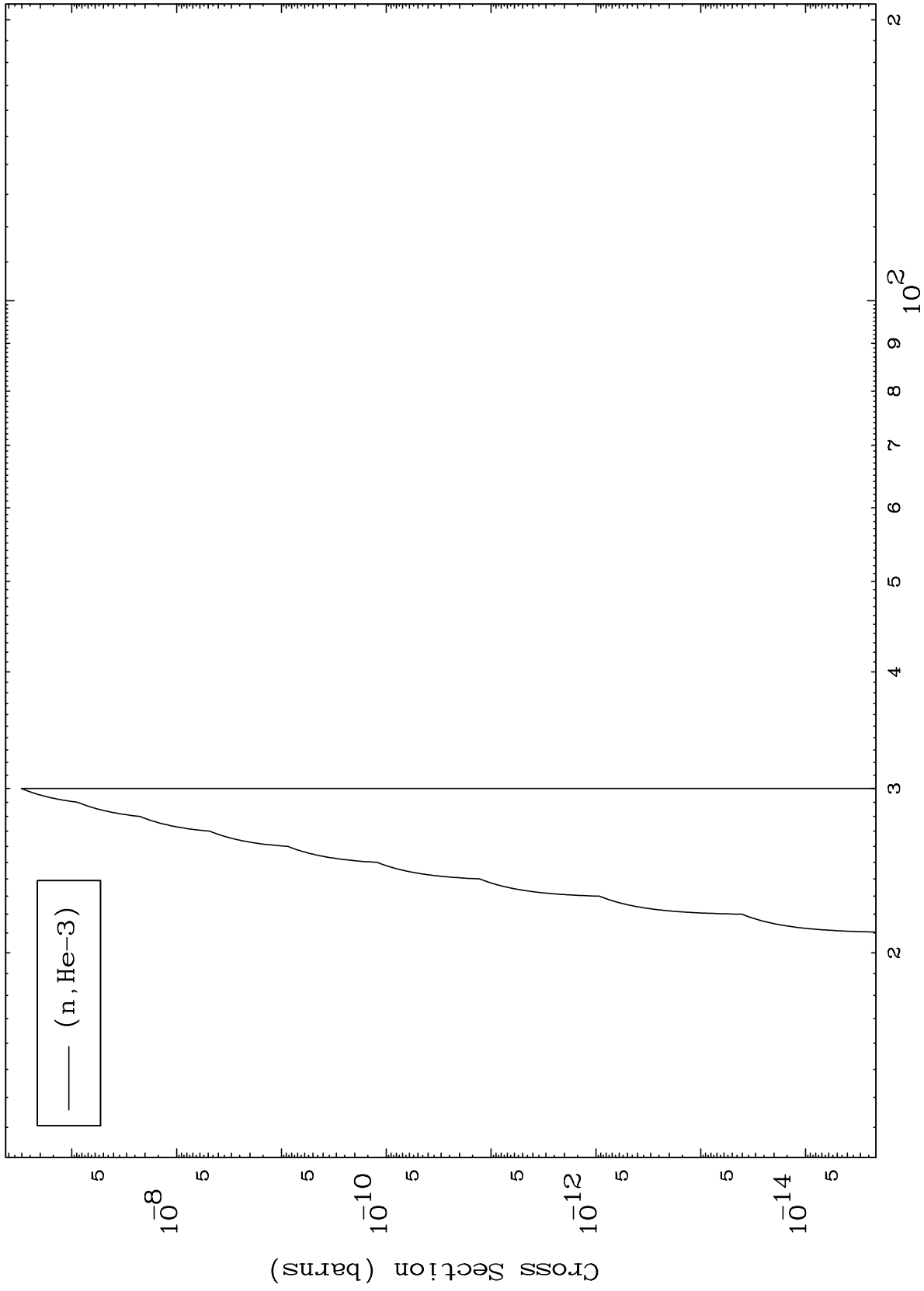
Incident Energy (MeV)

79-Au-210

MAT 7964

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-210



11

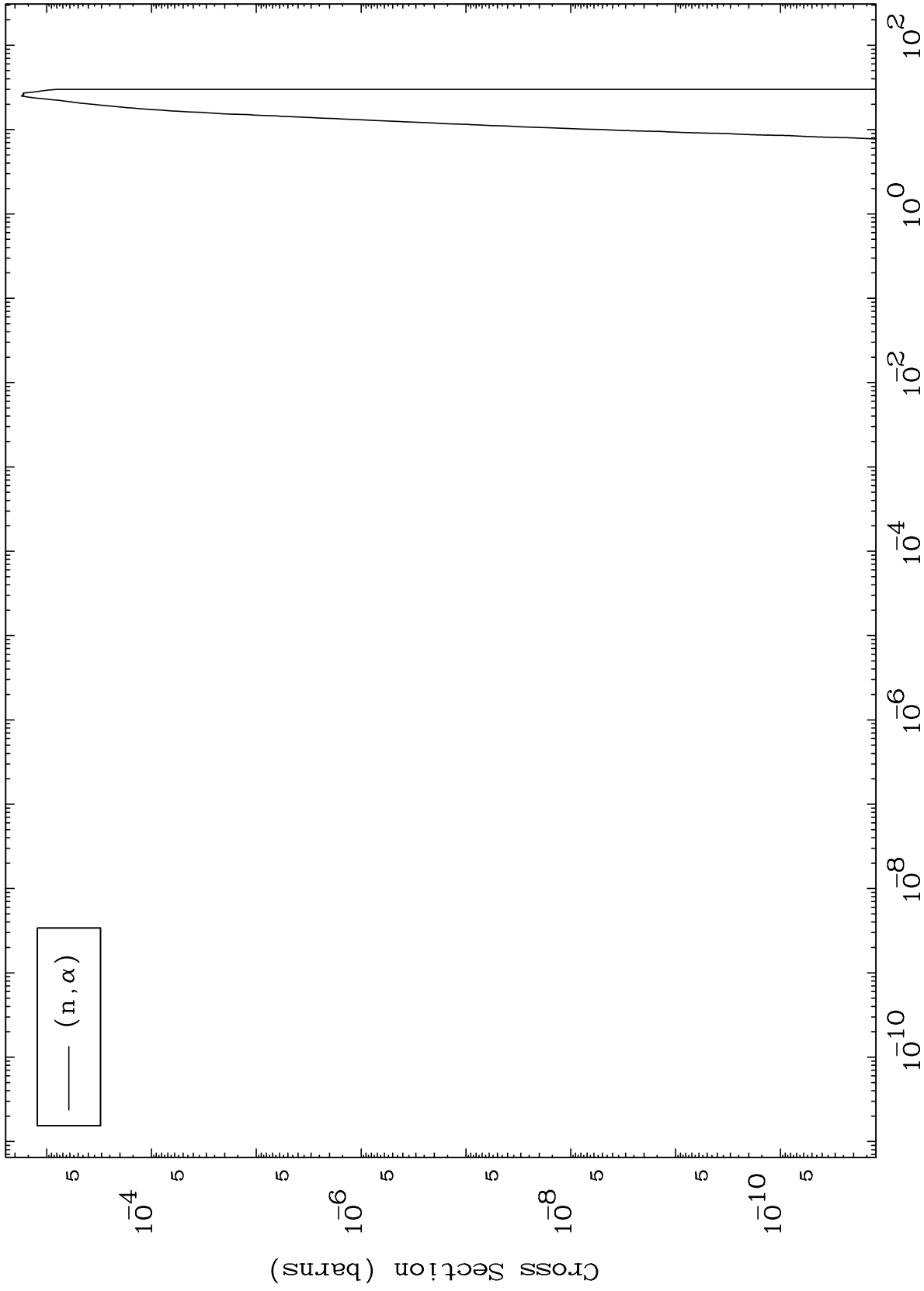
Incident Energy (MeV)

79-Au-210

MAT 7964

(n,α) Levels
293 Kelvin Cross Sections

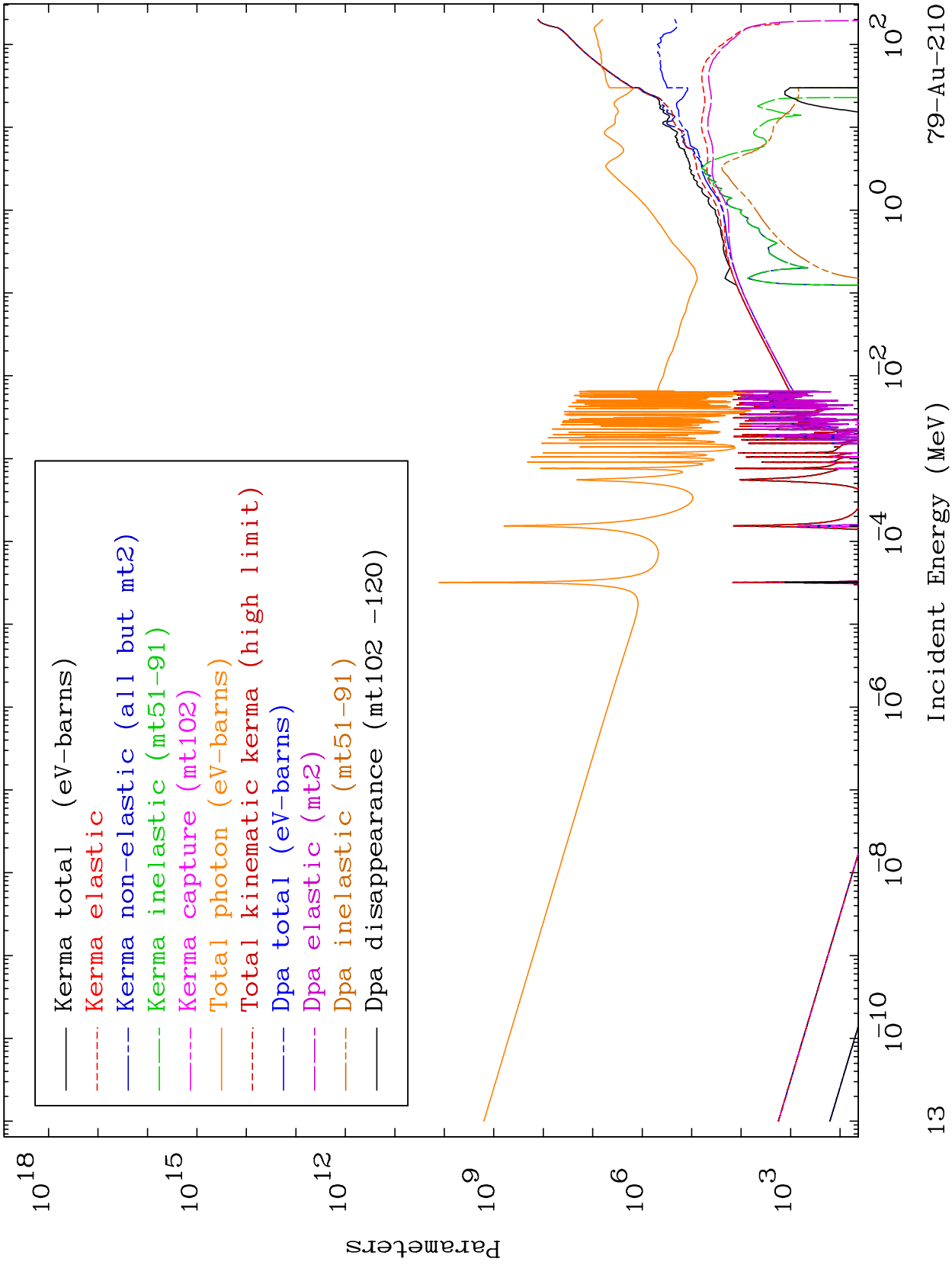
79-Au-210



12

Incident Energy (MeV)

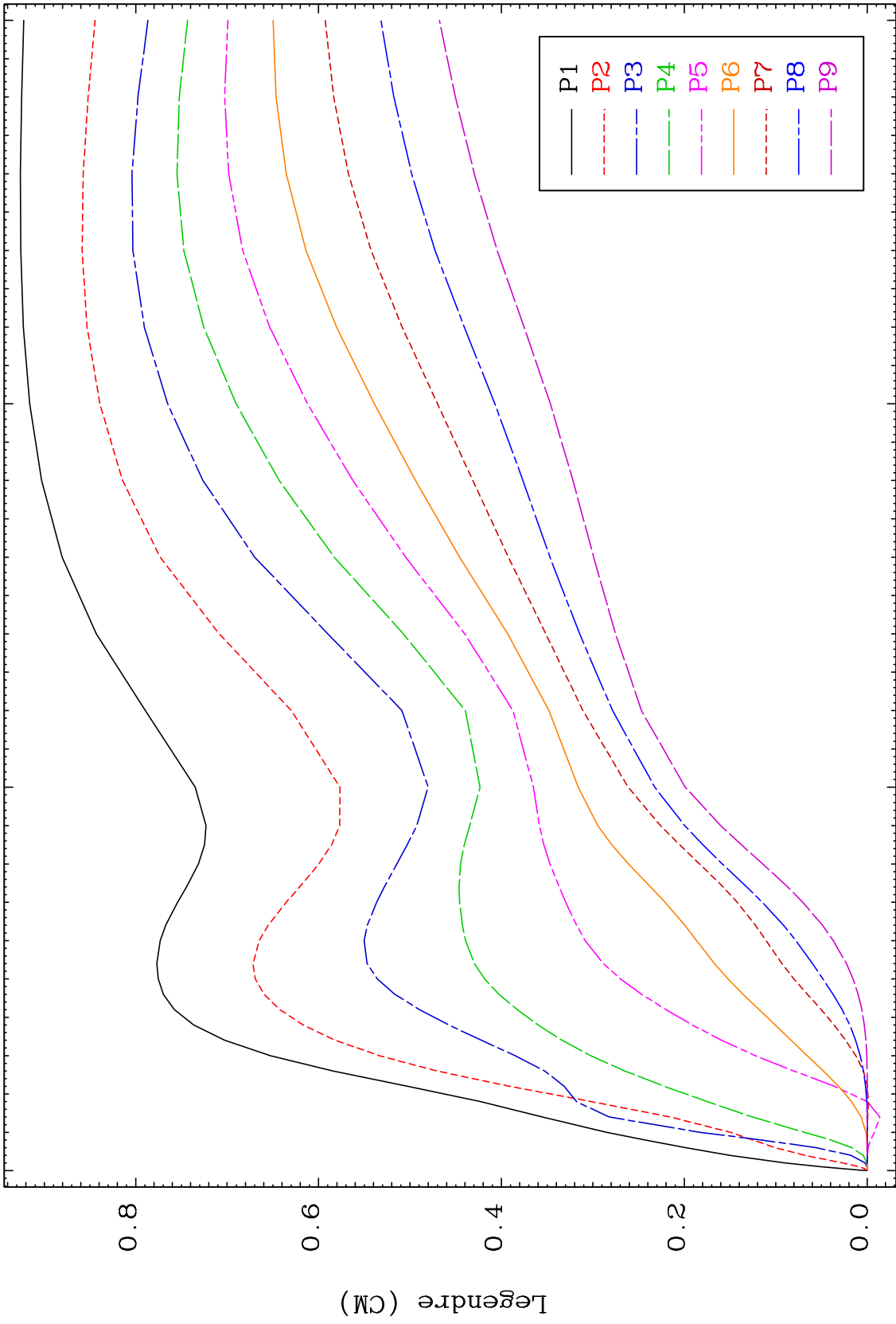
79-Au-210



MAT 7964

Elastic Legendre Coefficients

⁷⁹Au-²¹⁰



14

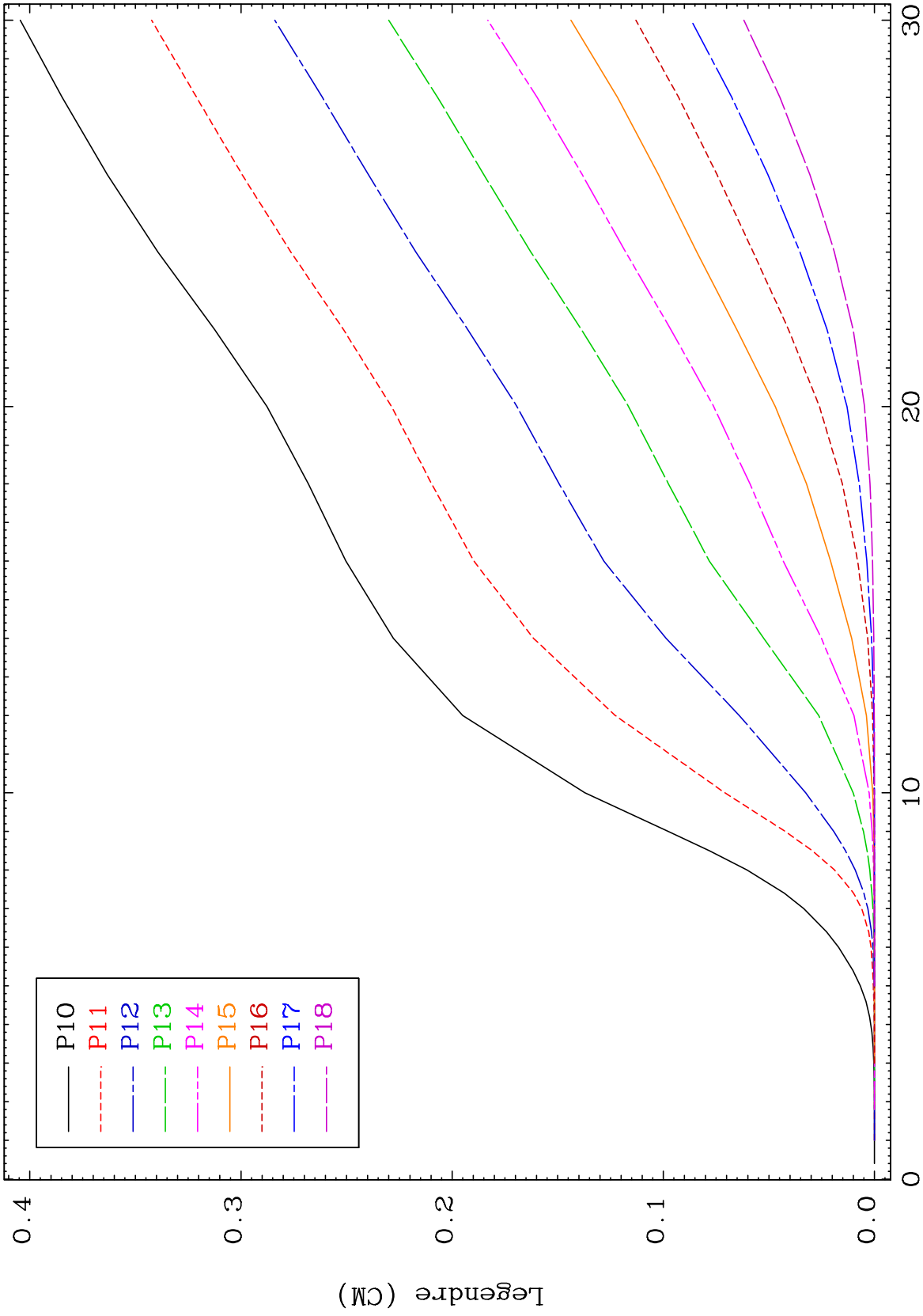
Incident Energy (MeV)

⁷⁹Au-²¹⁰

MAT 7964

Elastic Legendre Coefficients

⁷⁹Au-²¹⁰



15

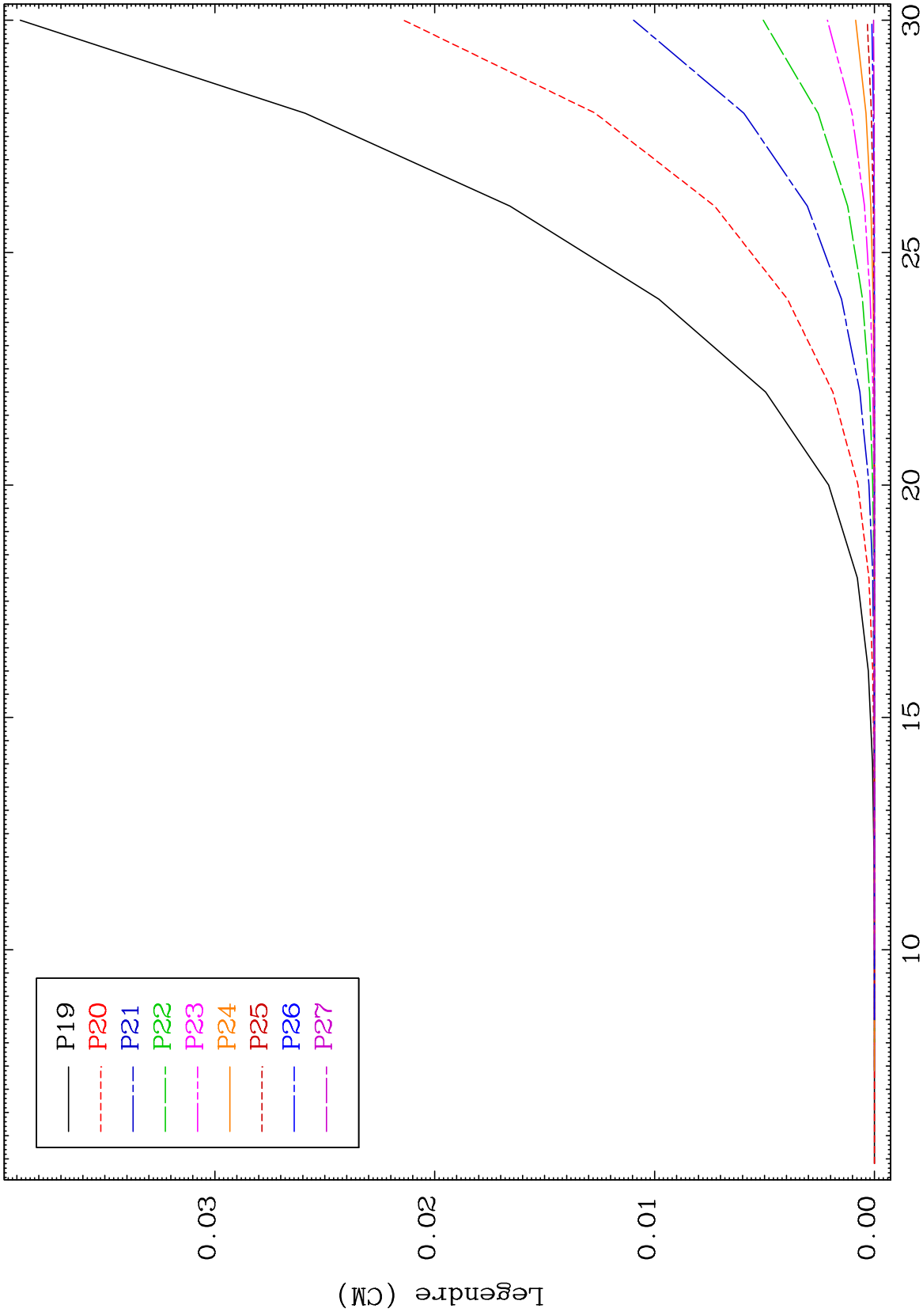
Incident Energy (MeV)

⁷⁹Au-²¹⁰

MAT 7964

Elastic Legendre Coefficients

⁷⁹Au-²¹⁰



16

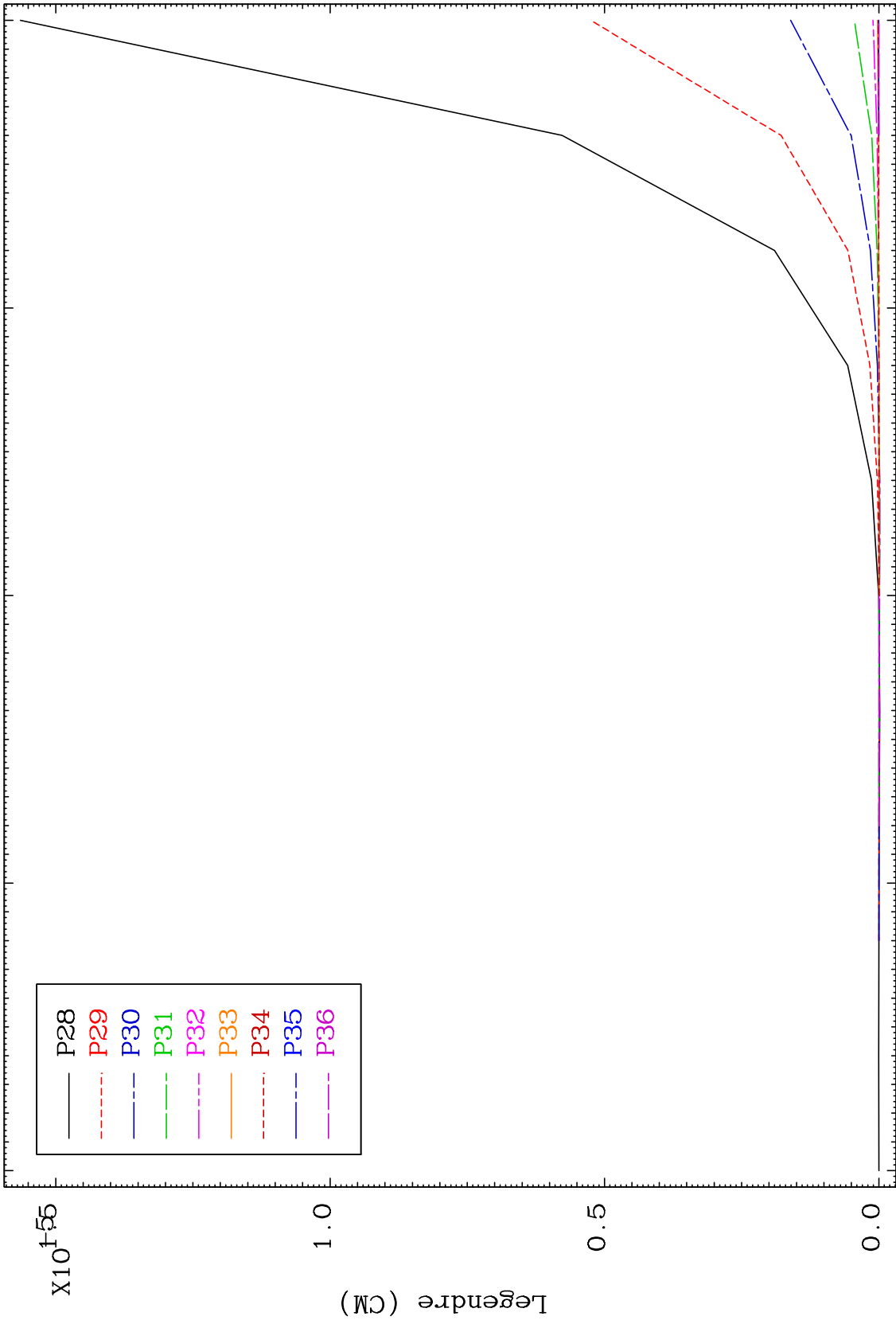
Incident Energy (MeV)

⁷⁹Au-²¹⁰

MAT 7964

Elastic Legendre Coefficients

79-Au-210



17

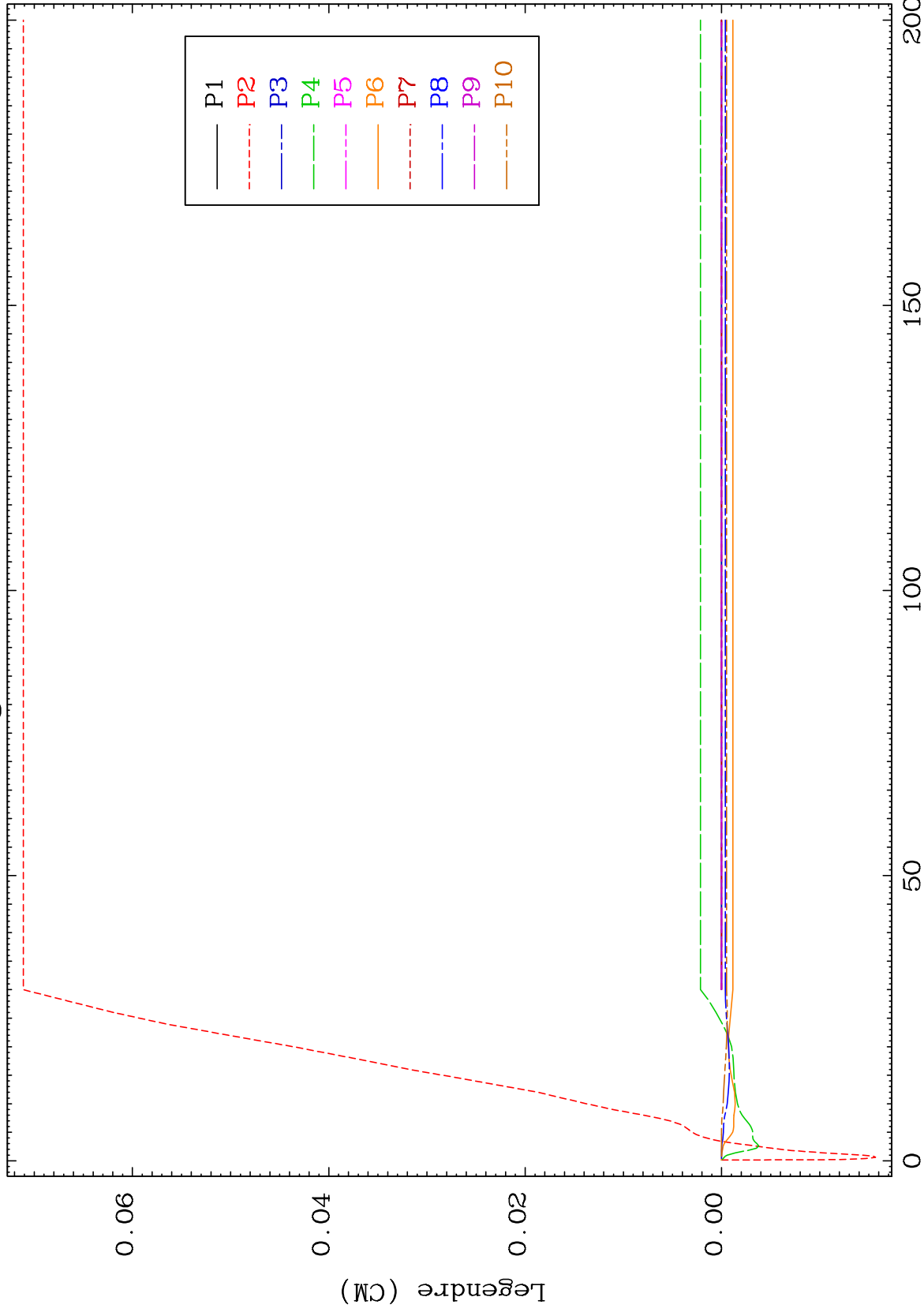
Incident Energy (MeV)

79-Au-210

MAT 7964

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

79-Au-210



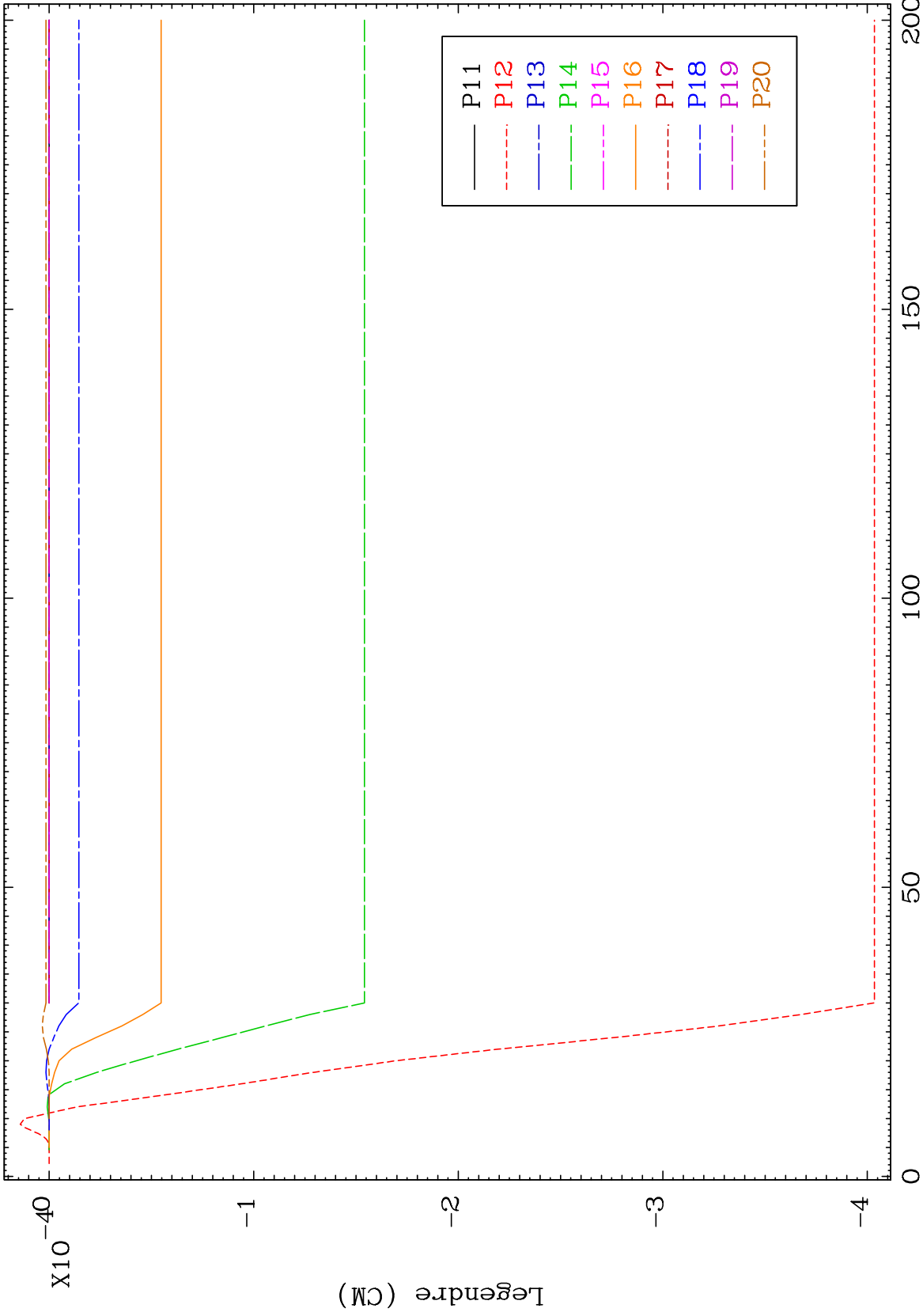
18

79-Au-210

MAT 7964

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

79-Au-210



19

Incident Energy (MeV)

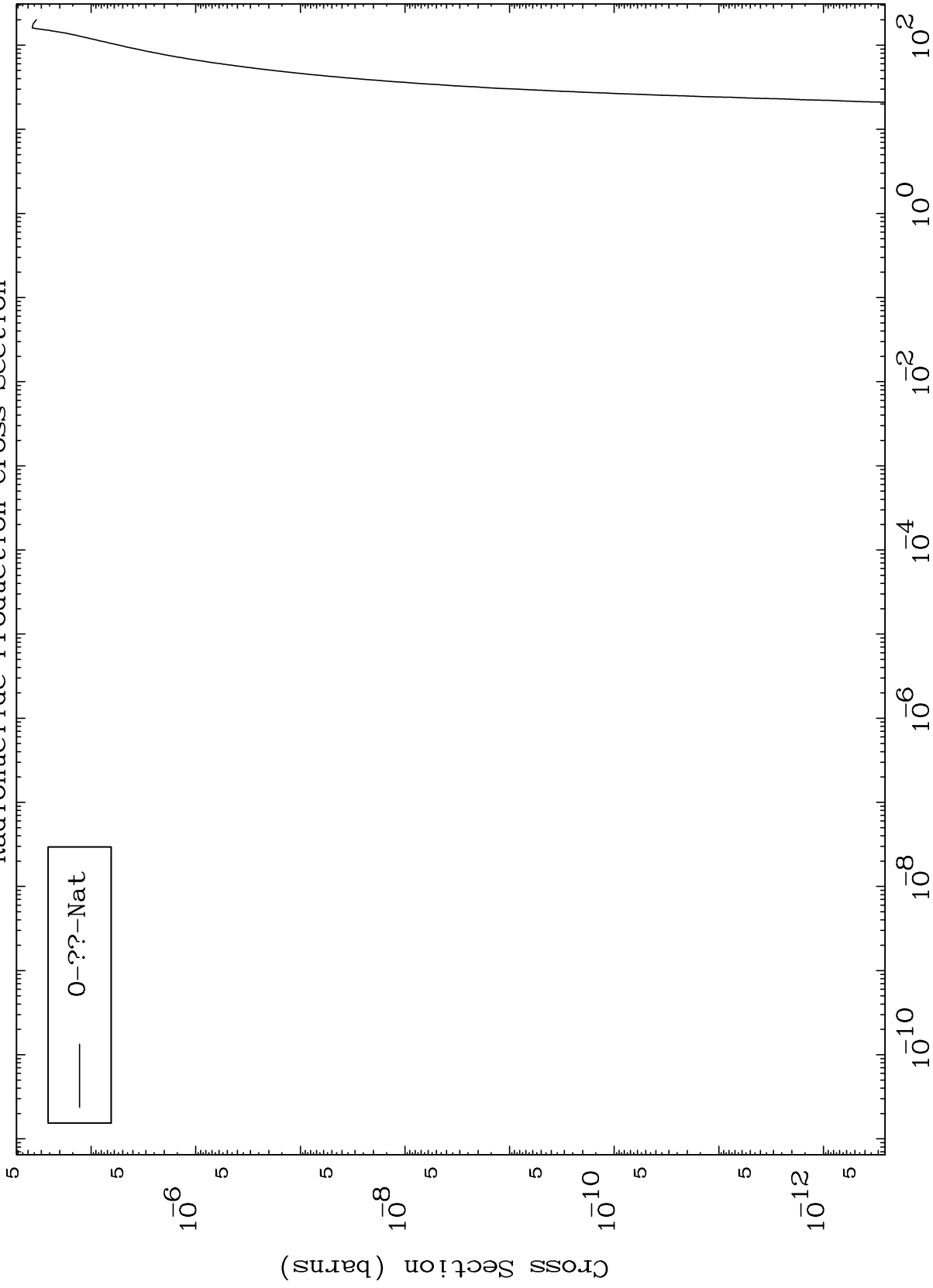
79-Au-210

MAT 7964

Fission

⁷⁹Au-210

Radionuclide Production Cross Section



21

Incident Energy (MeV)

⁷⁹Au-210