

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

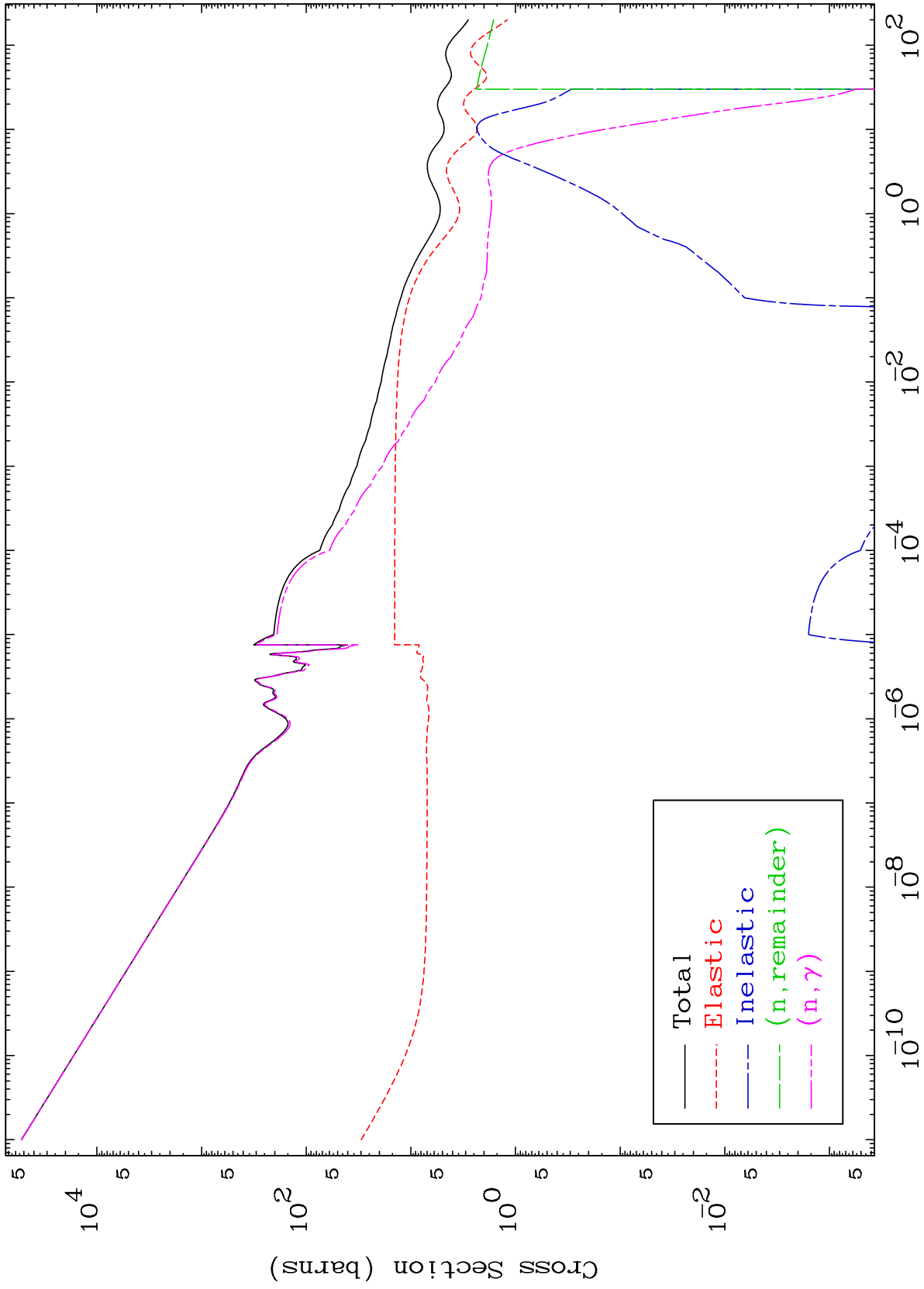
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7902

Major  
293 Kelvin Cross Sections

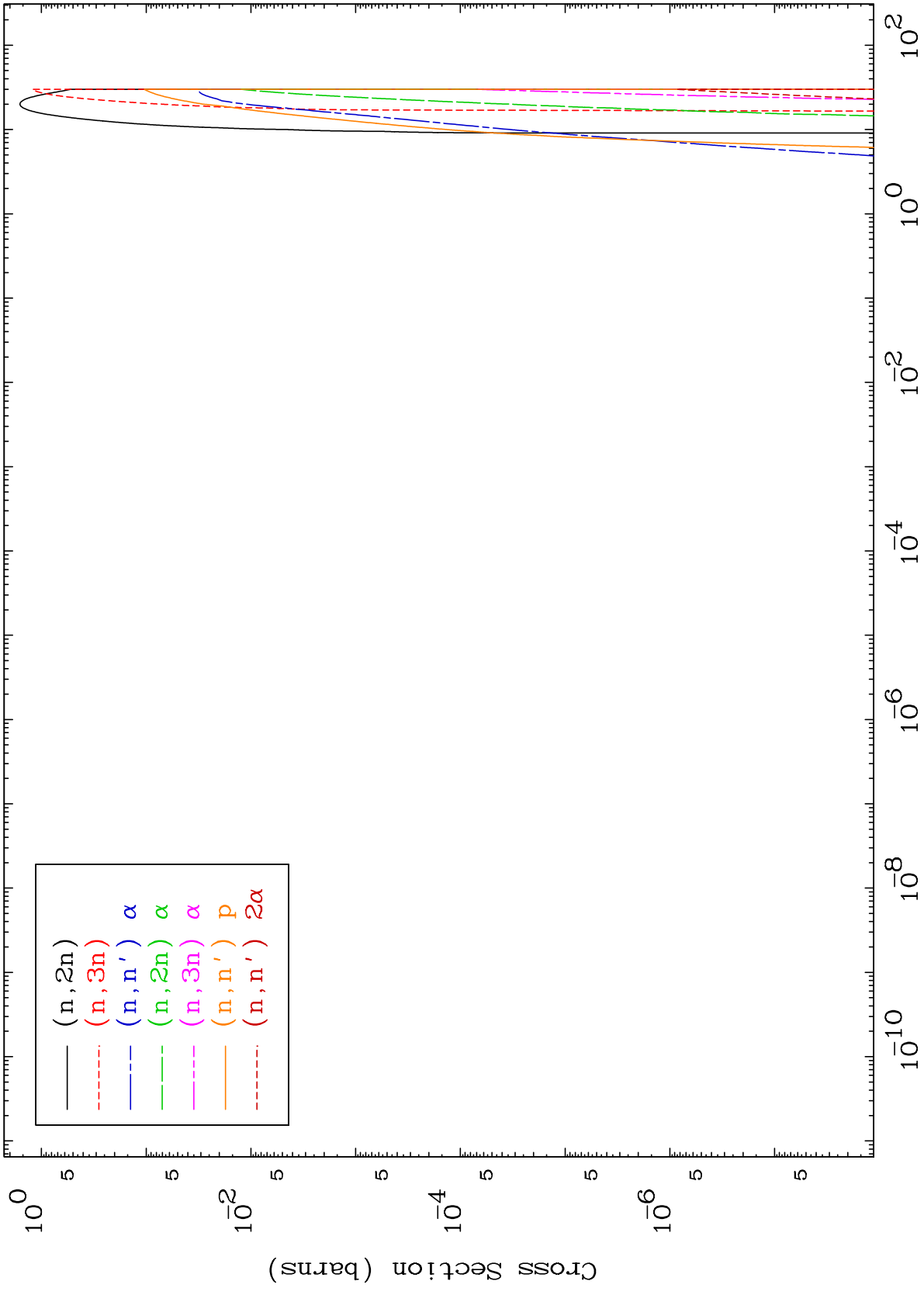
79-Au-189



MAT 7902

Neutron Production  
293 Kelvin Cross Sections

79-Au-189

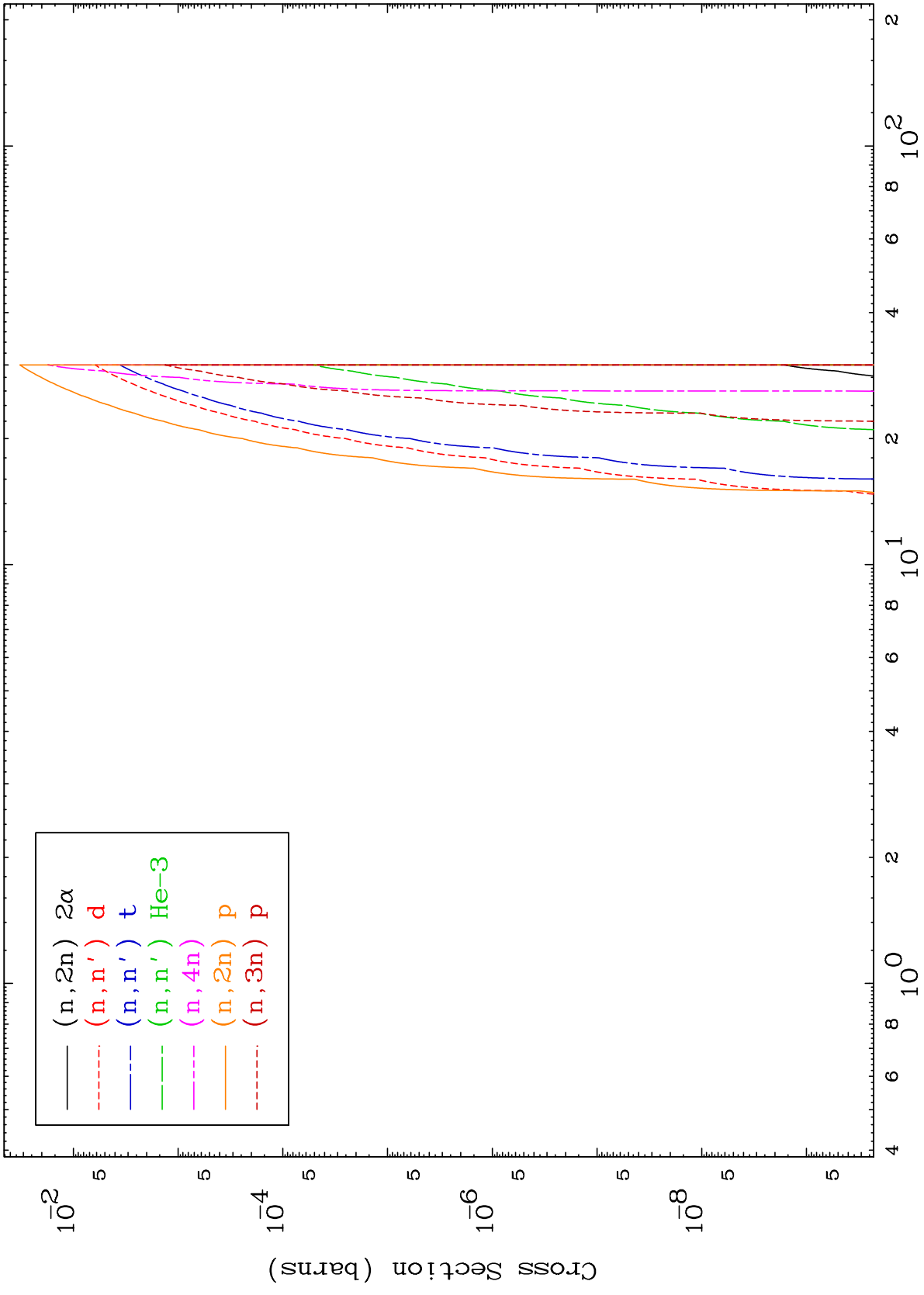


79-Au-189

MAT 7902

Neutron Production  
293 Kelvin Cross Sections

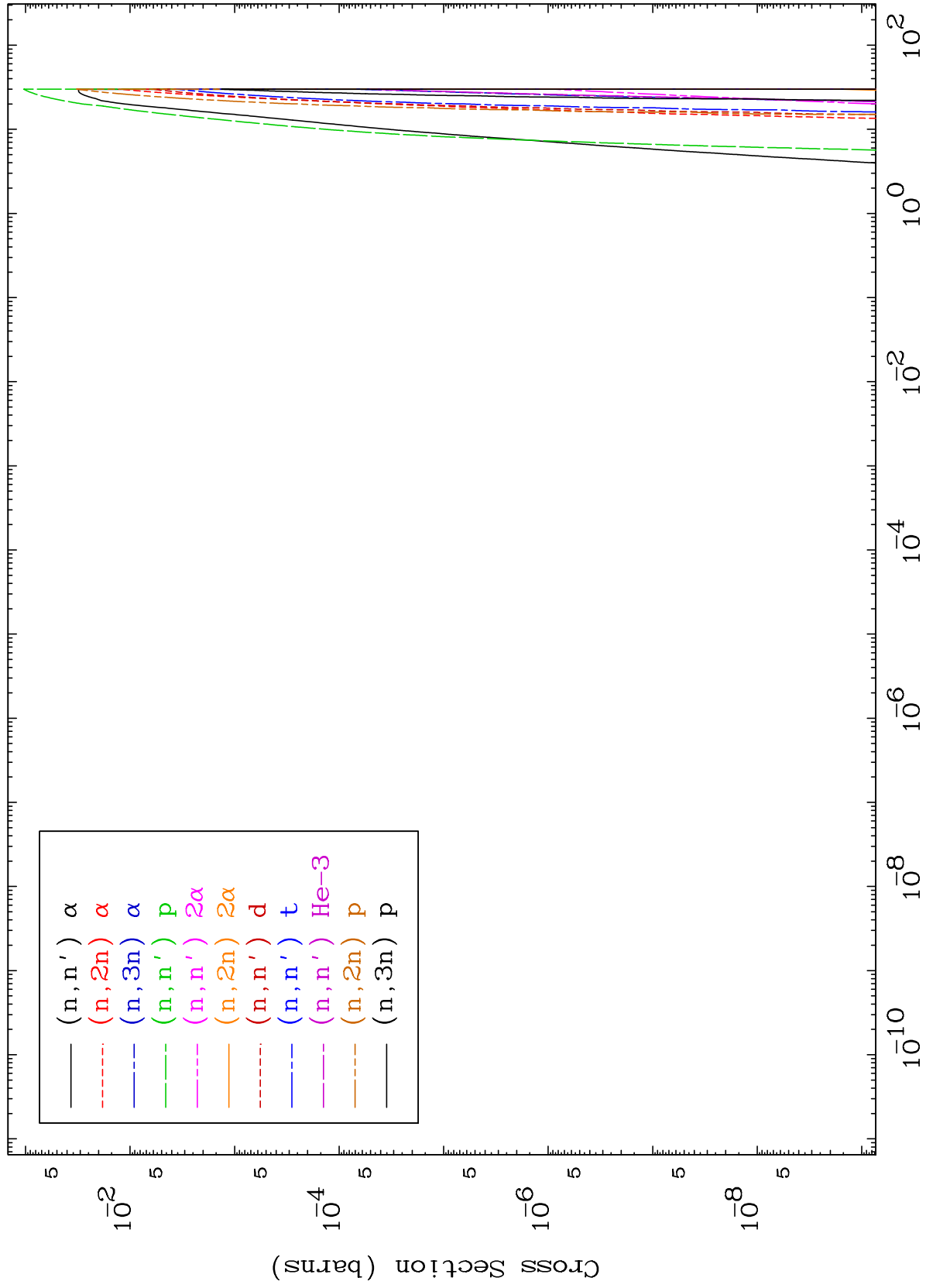
79-Au-189



3

Incident Energy (MeV)

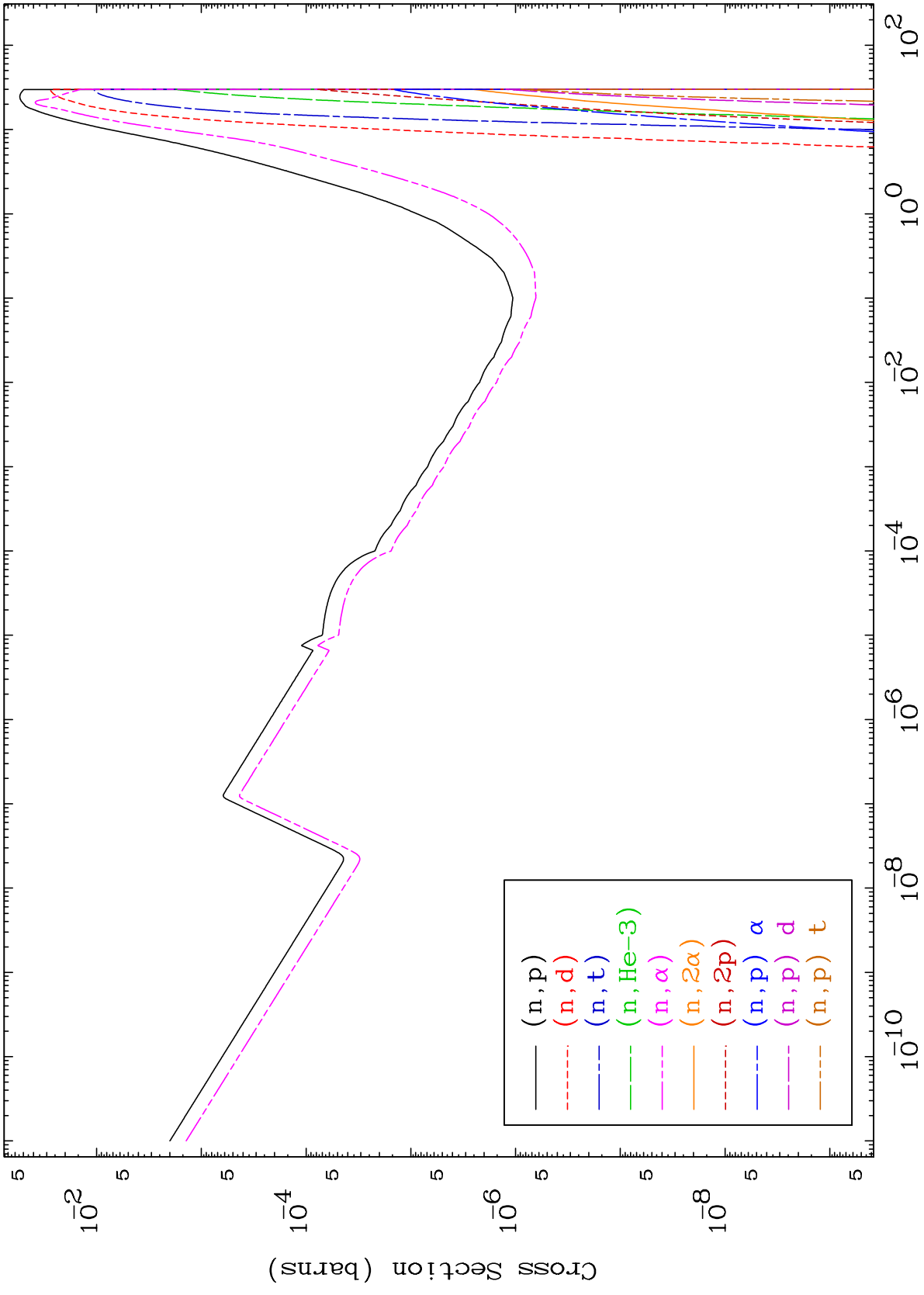
79-Au-189



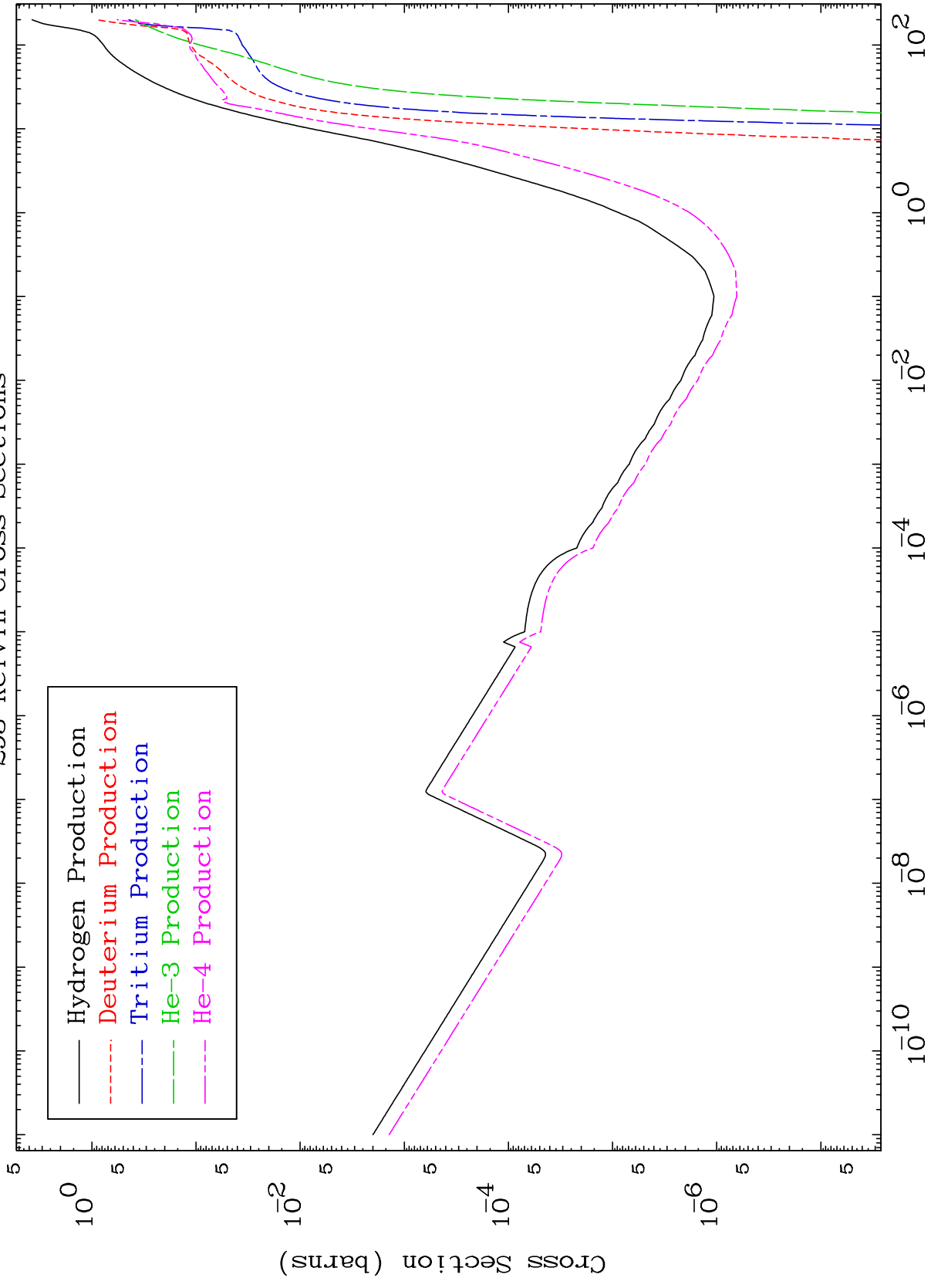
MAT 7902

Charged Particle  
293 Kelvin Cross Sections

79-Au-189



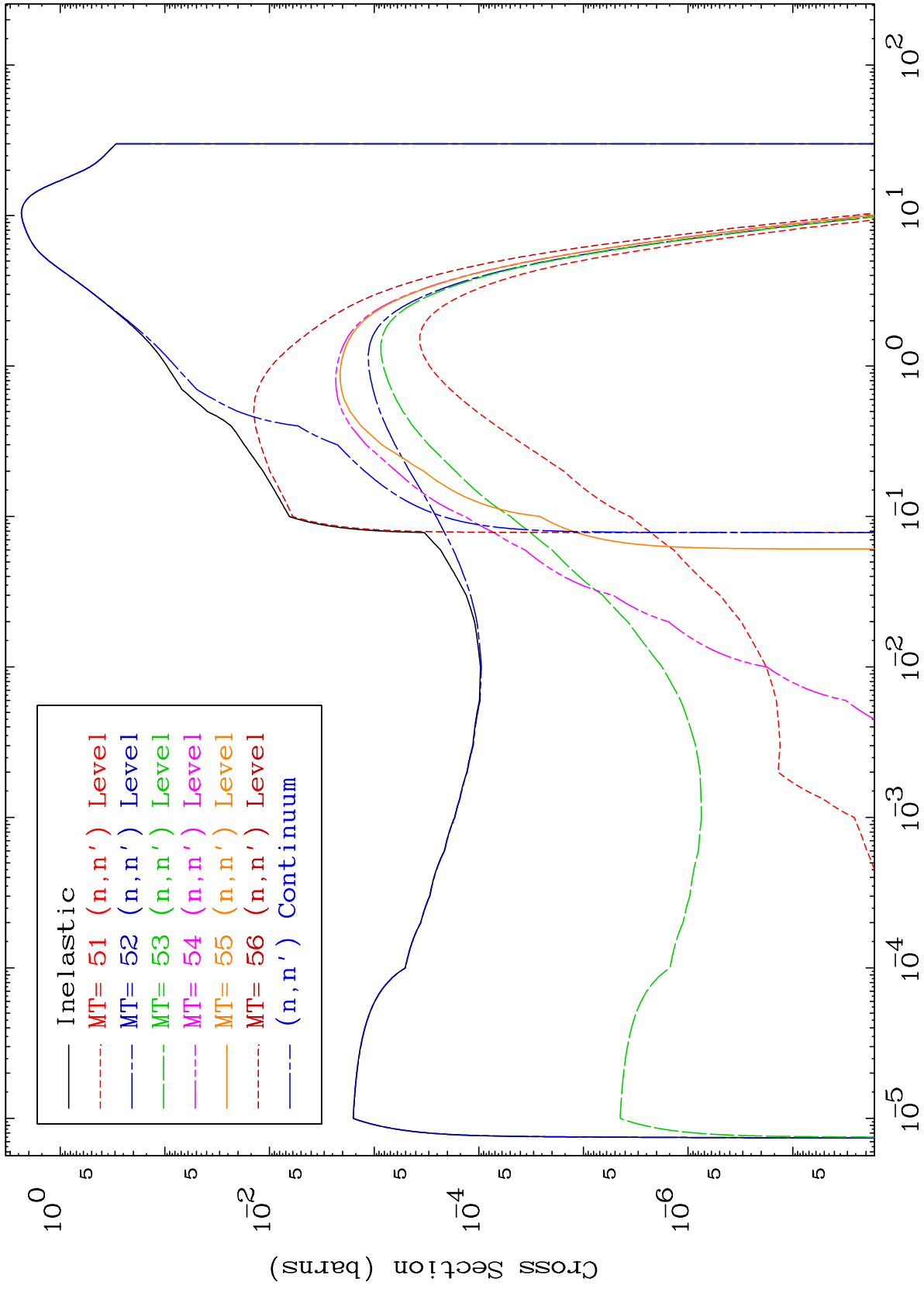
79-Au-189



MAT 7902

293 Kelvin Cross Sections  
(n,n') Level

79-Au-189



7

Incident Energy (MeV)

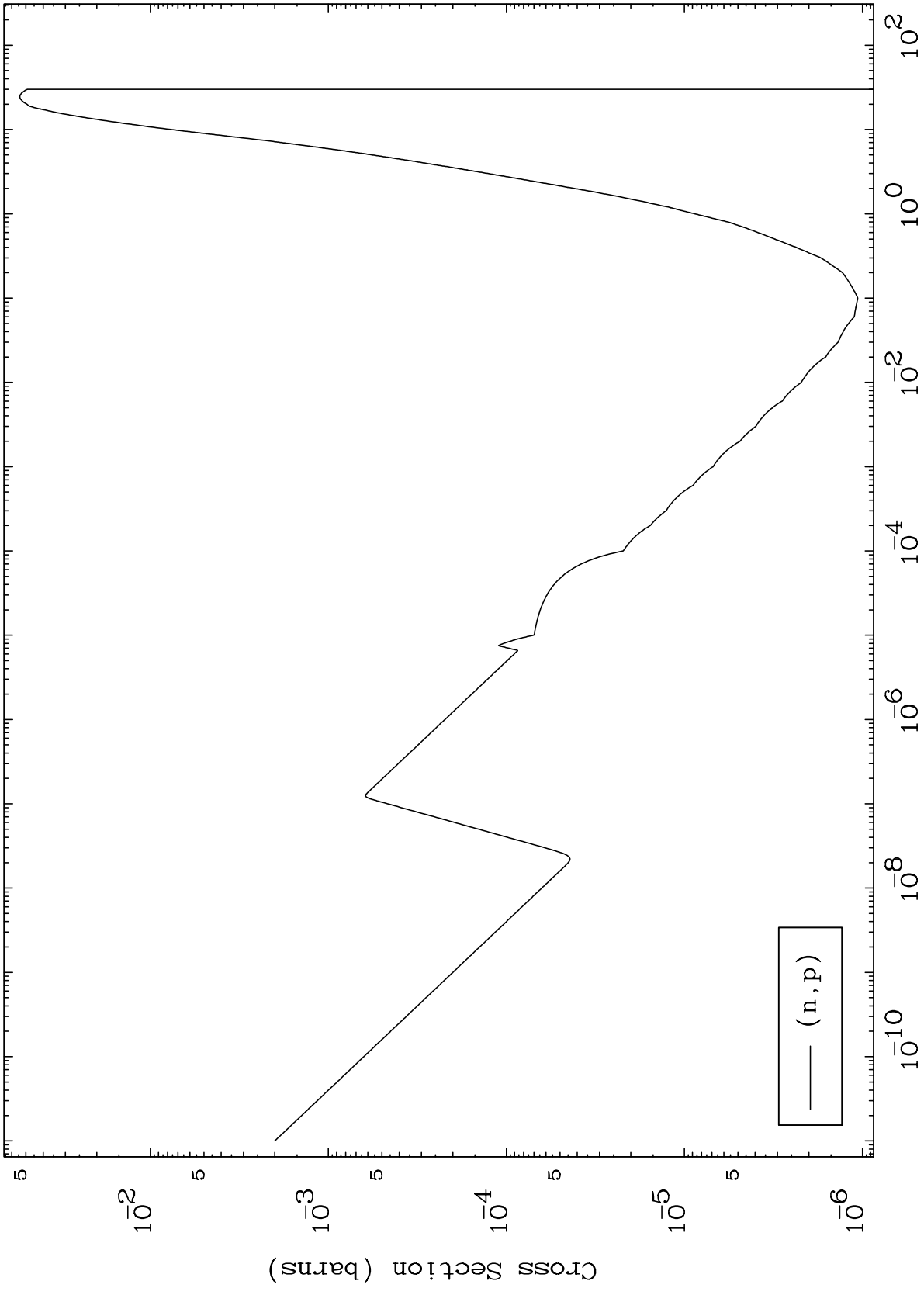
79-Au-189



MAT 7902

(n,p) Levels  
293 Kelvin Cross Sections

79-Au-189



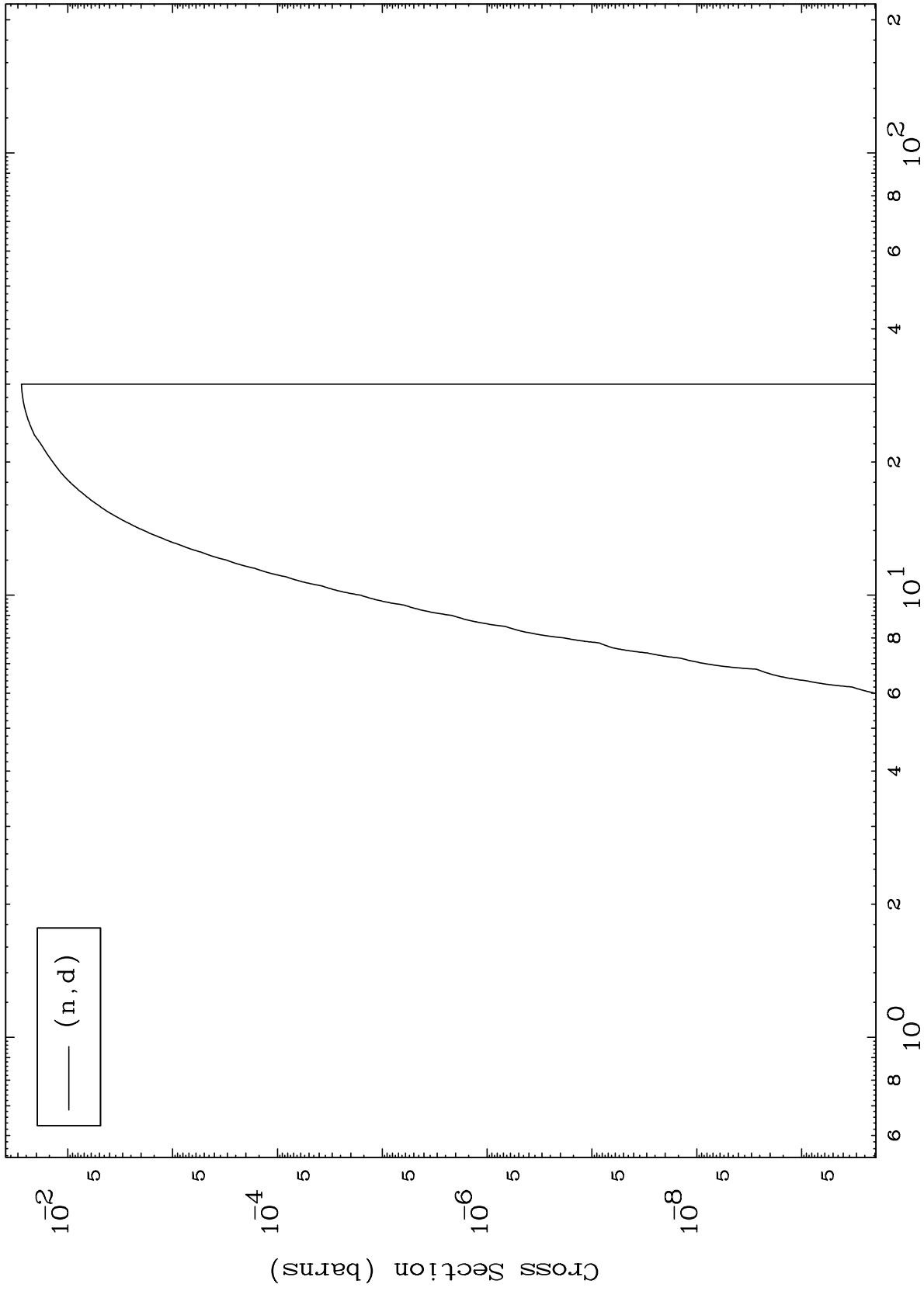
79-Au-189

Incident Energy (MeV)

MAT 7902

(n,d) Levels  
293 Kelvin Cross Sections

79-Au-189



9

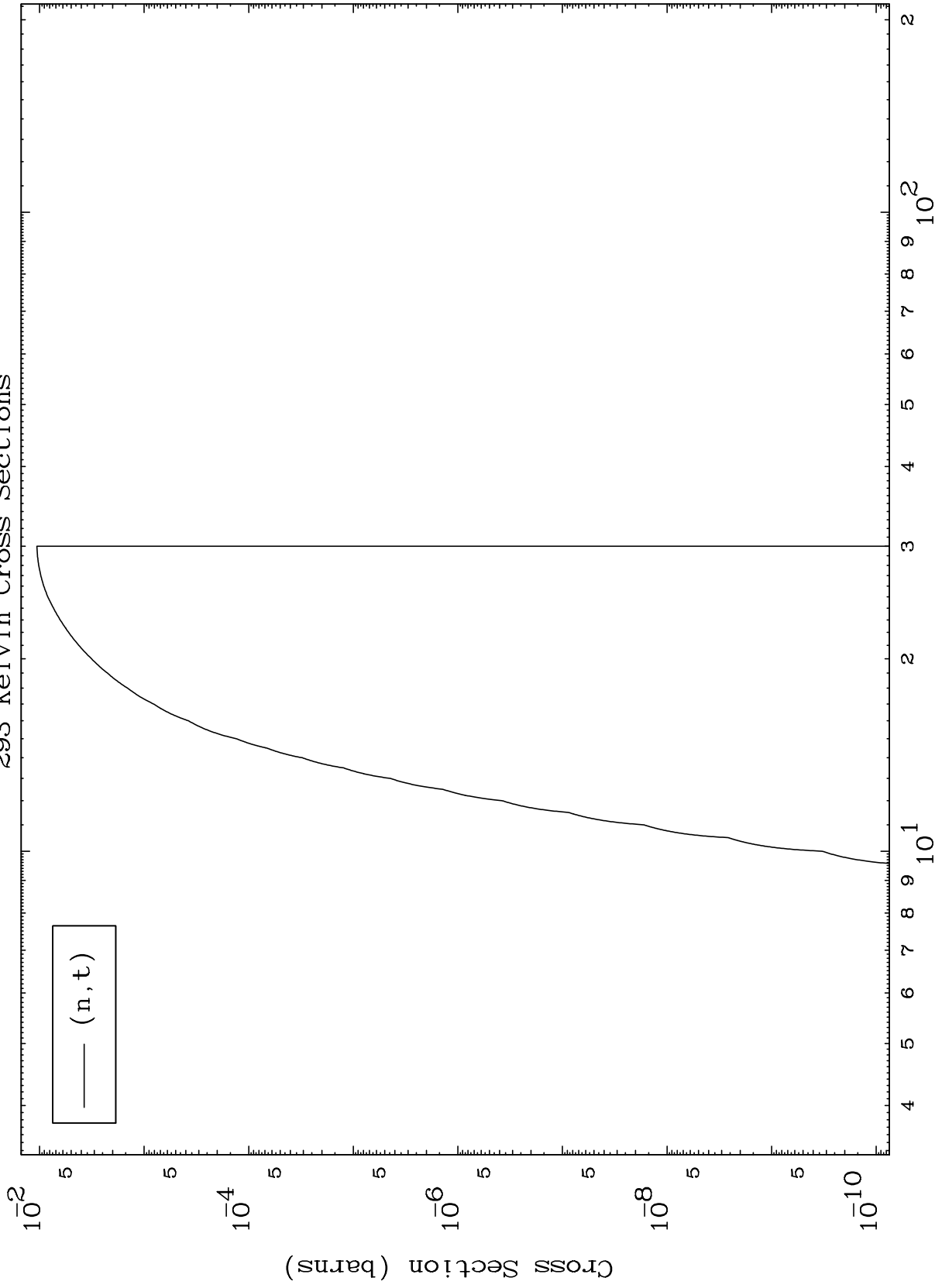
Incident Energy (MeV)

79-Au-189

MAT 7902

(n,t) Levels  
293 Kelvin Cross Sections

79-Au-189



10

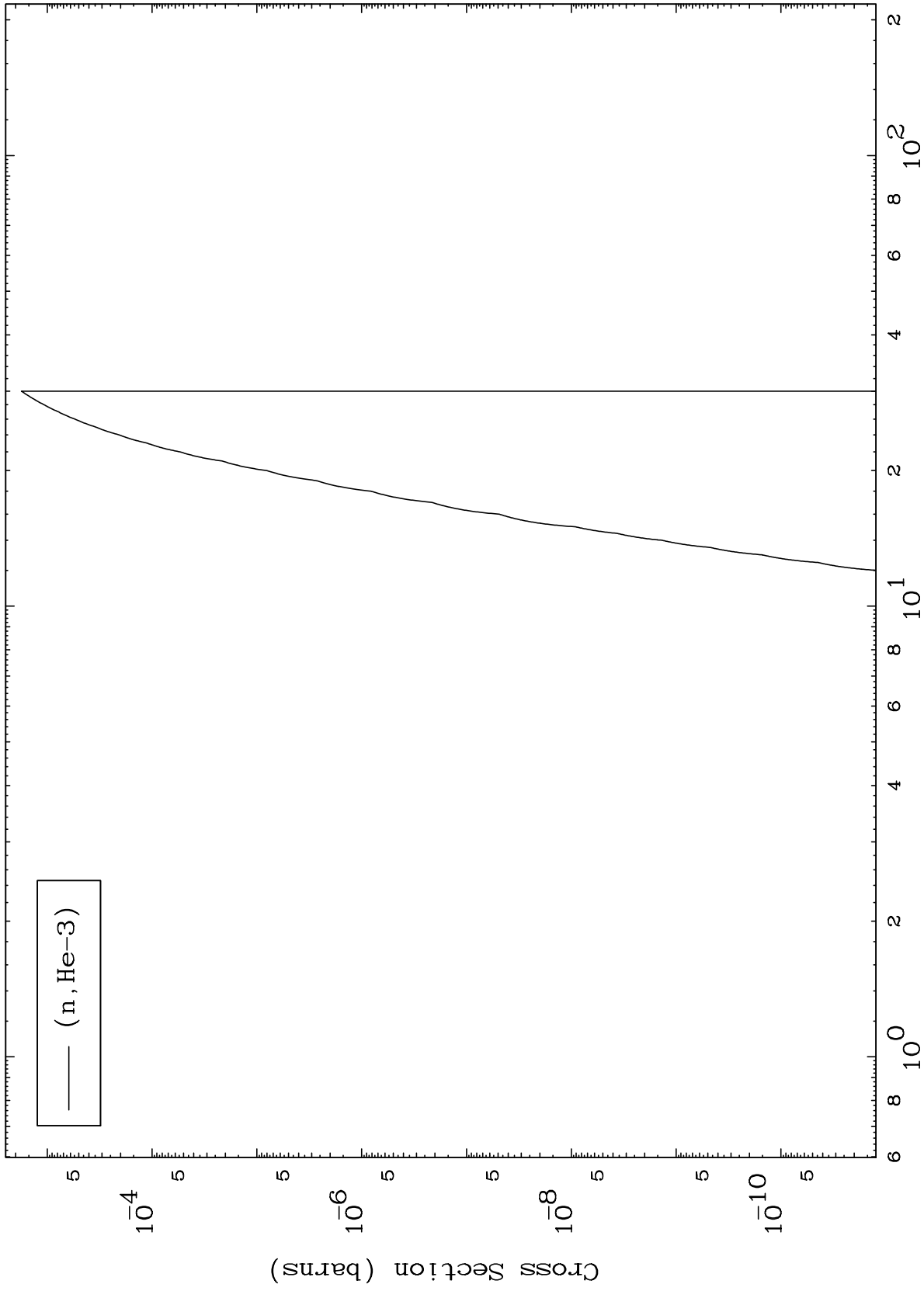
Incident Energy (MeV)

79-Au-189

MAT 7902

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-189



11

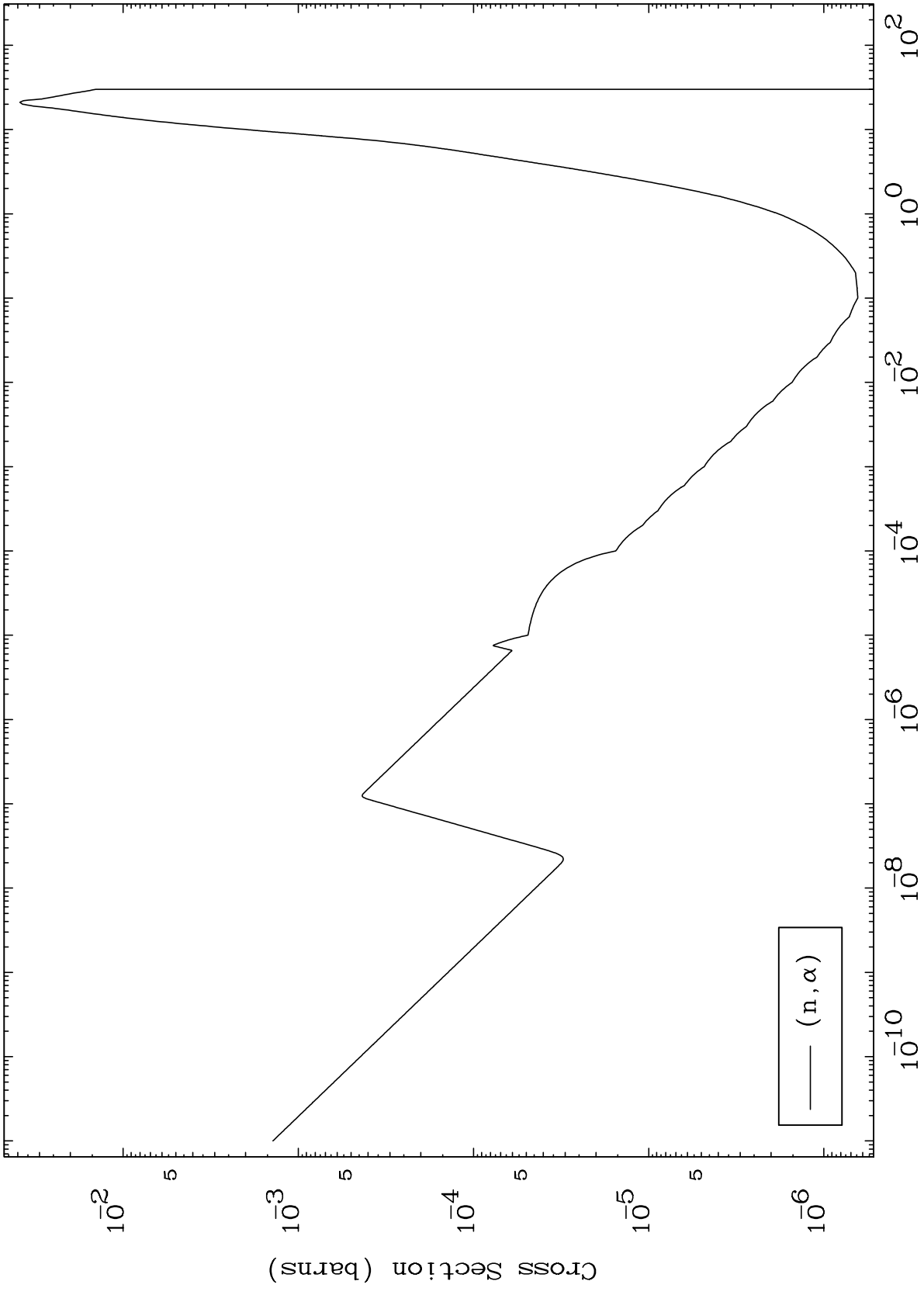
Incident Energy (MeV)

79-Au-189

MAT 7902

(n,α) Levels  
293 Kelvin Cross Sections

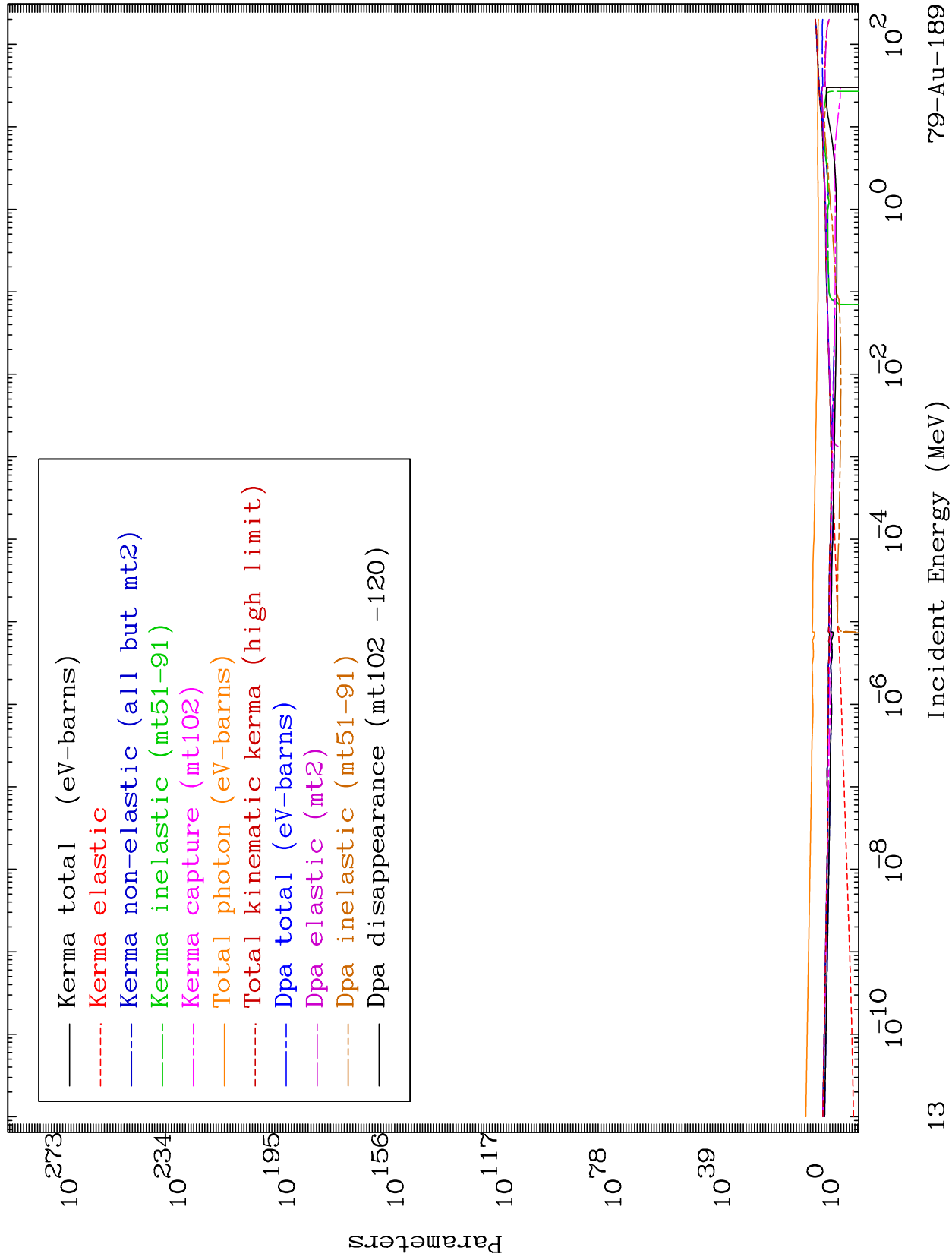
79-Au-189



12

Incident Energy (MeV)

79-Au-189

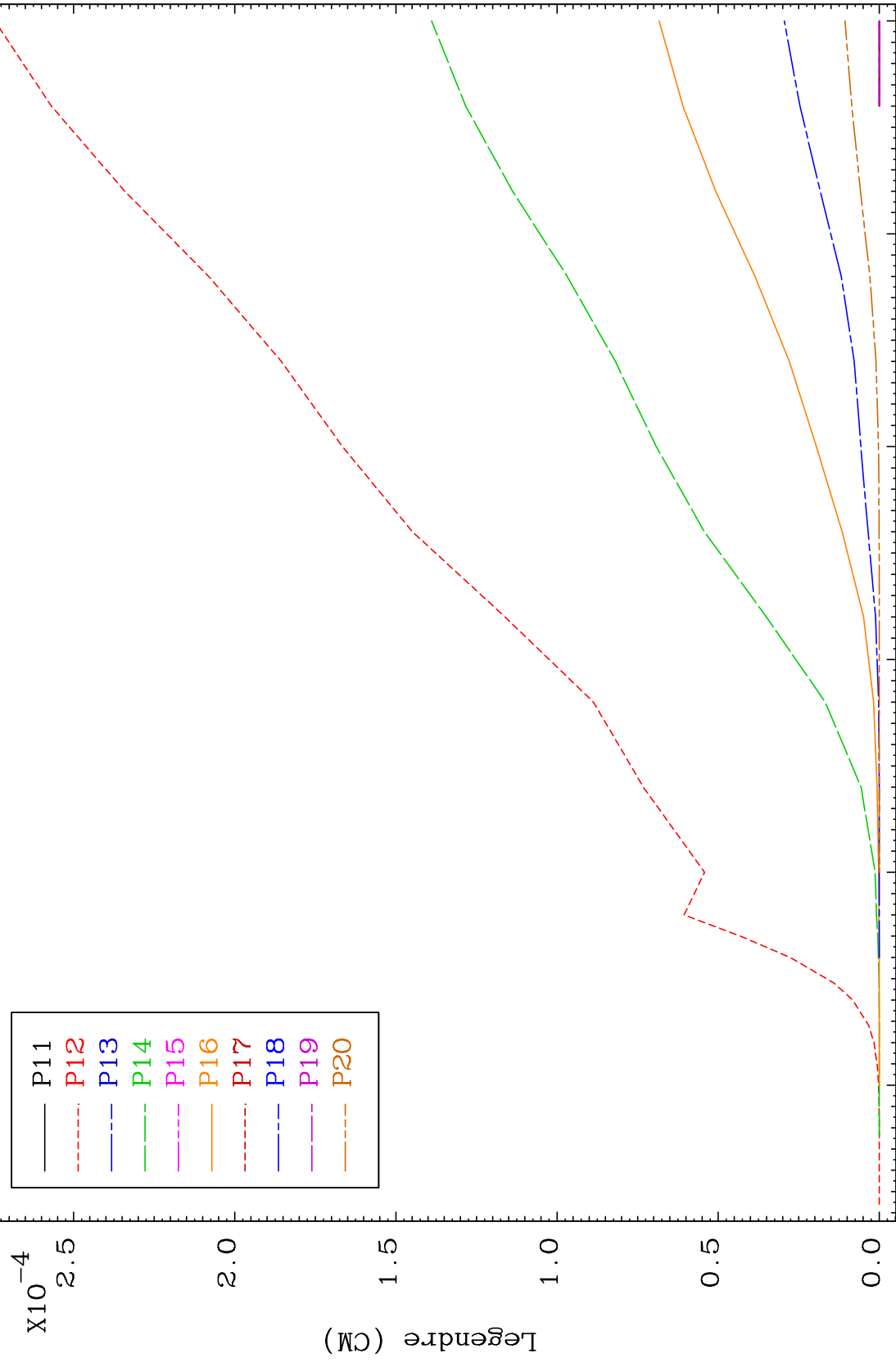
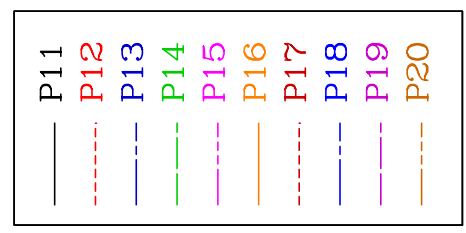




MAT 7902

Elastic Legendre Coefficients

79-Au-189



15

Incident Energy (MeV)

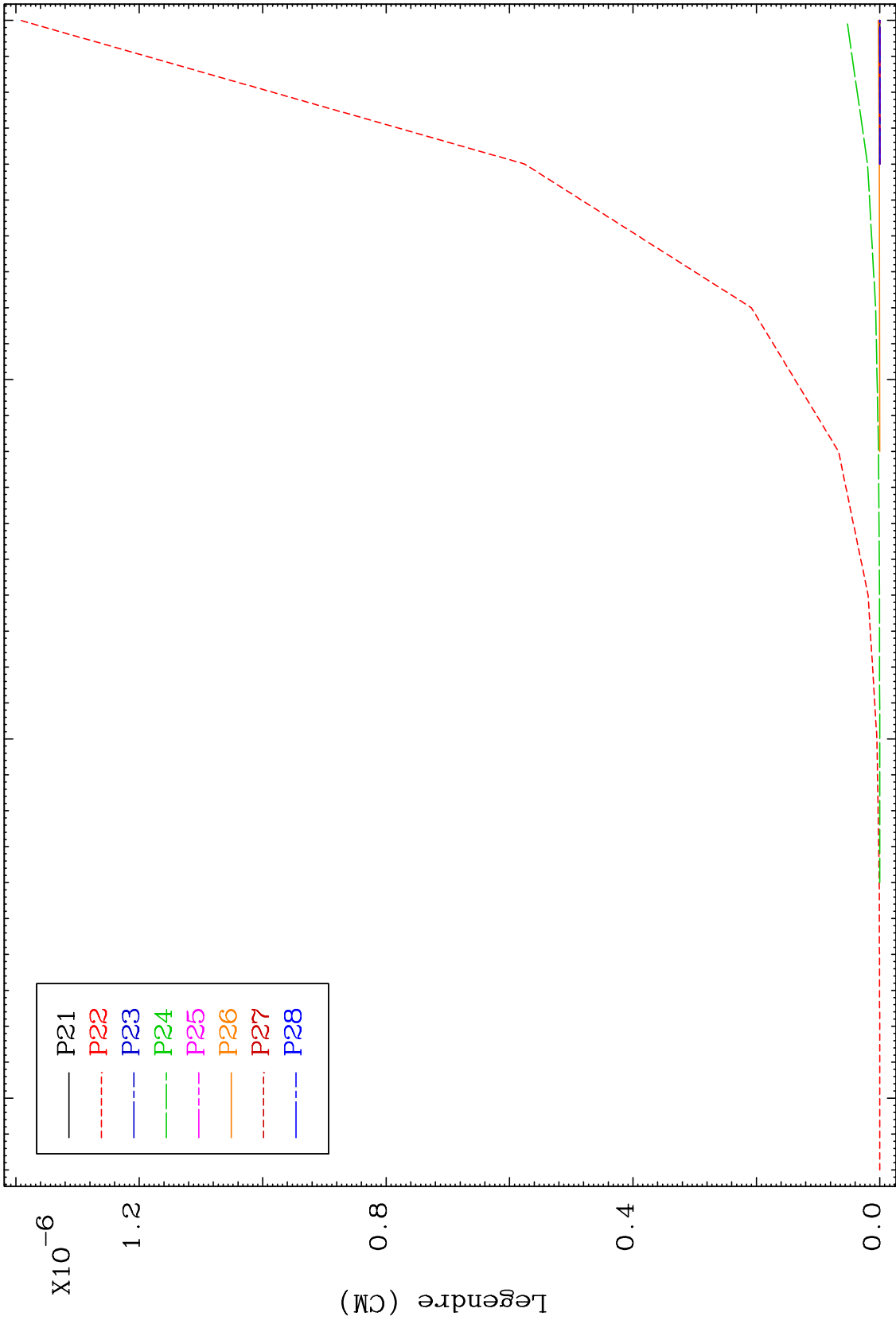
79-Au-189



MAT 7902

Elastic Legendre Coefficients

79-Au-189



16

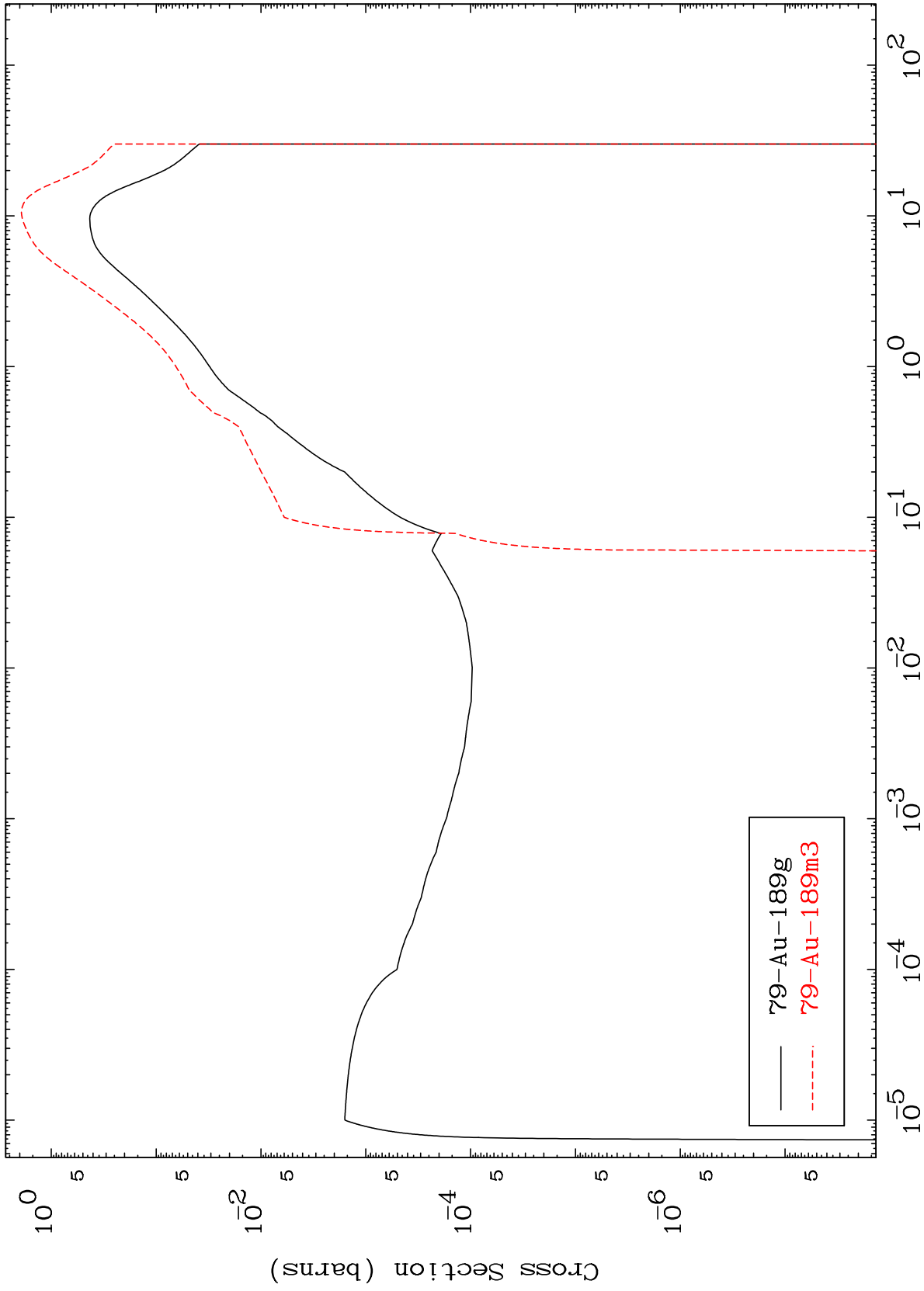
Incident Energy (MeV)

79-Au-189

MAT 7902

Inelastic  
Radionuclide Production Cross Section

79-Au-189



17

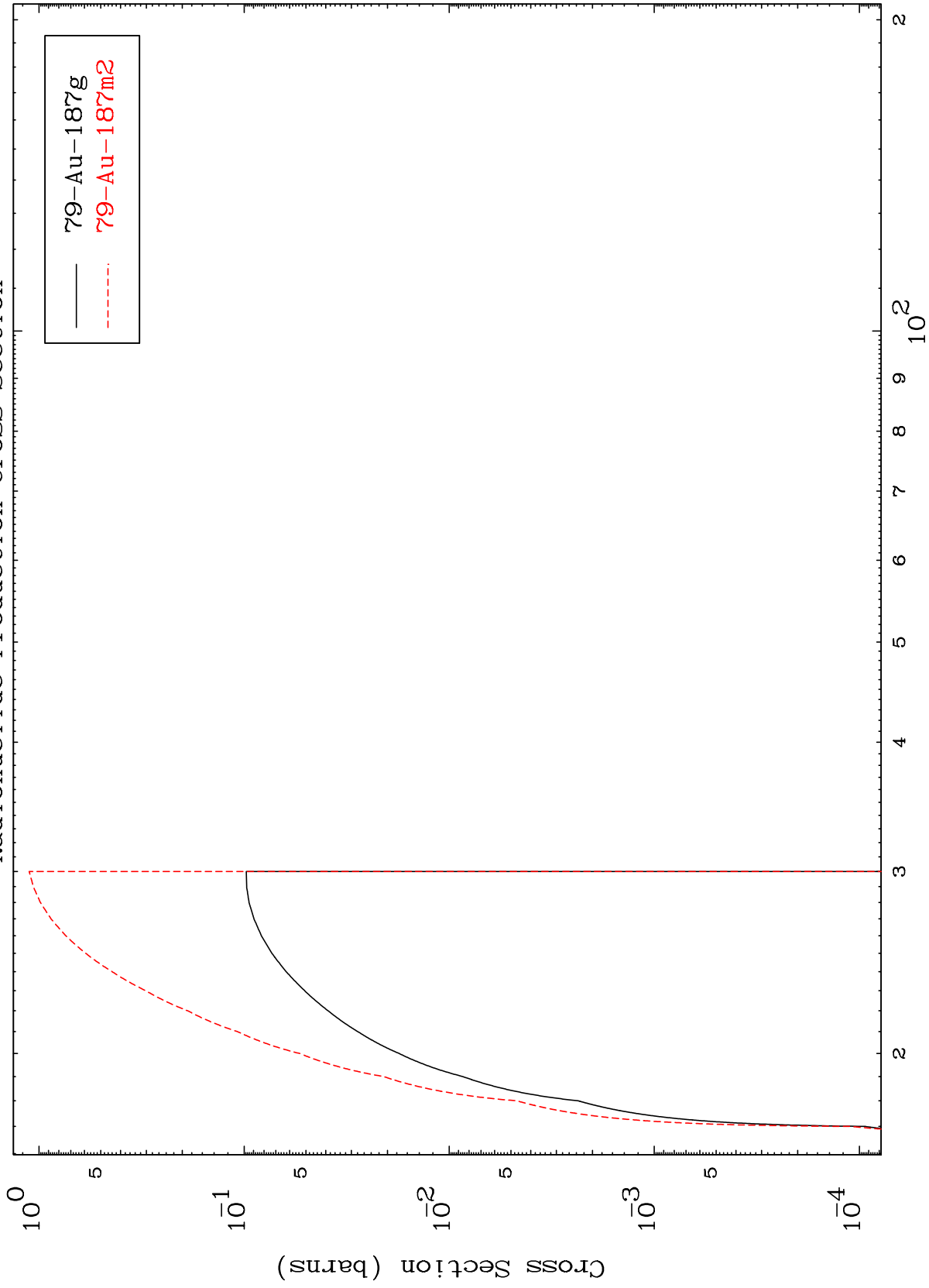
Incident Energy (MeV)

79-Au-189

MAT 7902

<sup>79</sup>Au-189

(n,3n)  
Radionuclide Production Cross Section



18

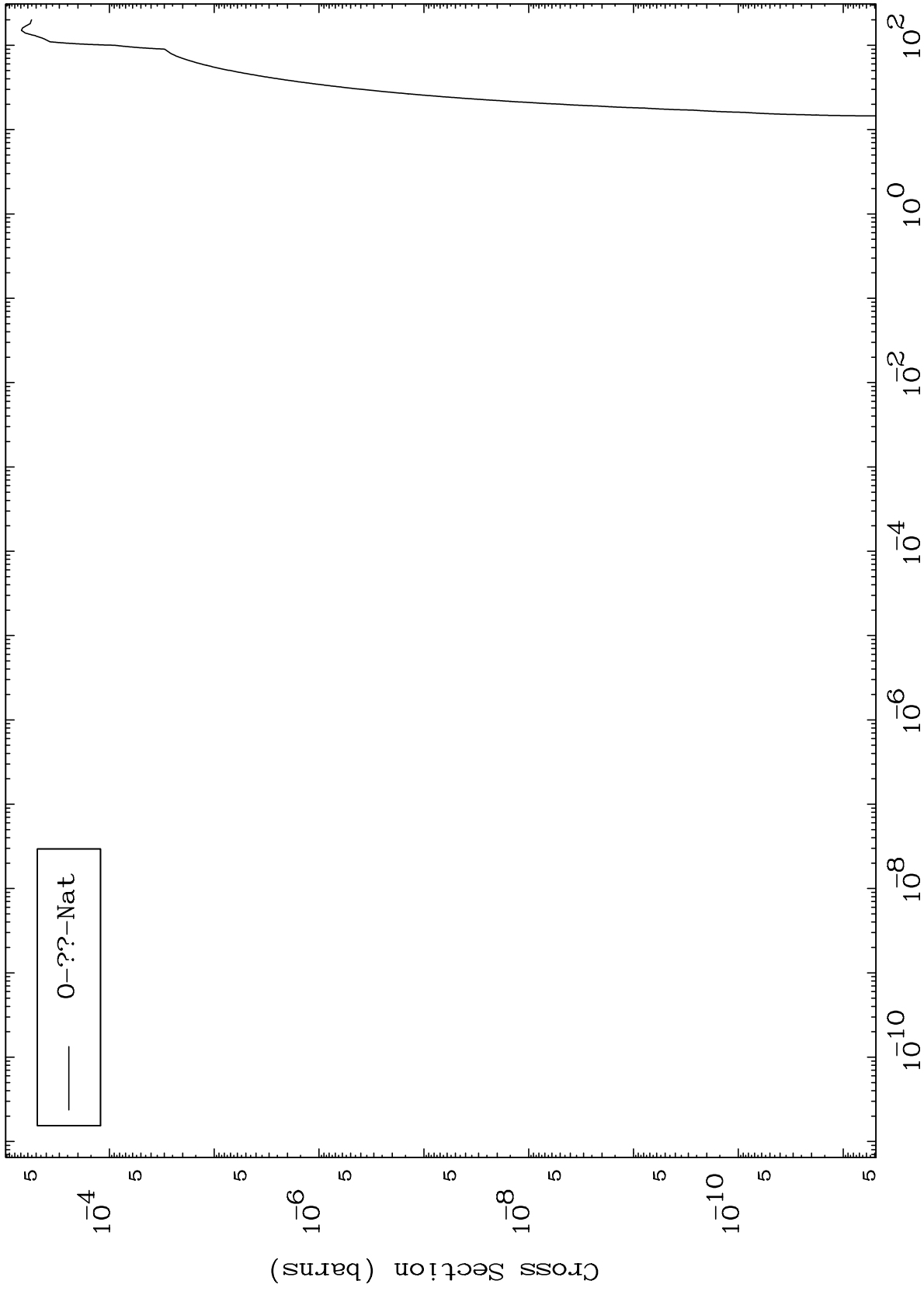
Incident Energy (MeV)

<sup>79</sup>Au-189

MAT 7902

Fission  
Radionuclide Production Cross Section

<sup>79</sup>Au-189



19

Incident Energy (MeV)

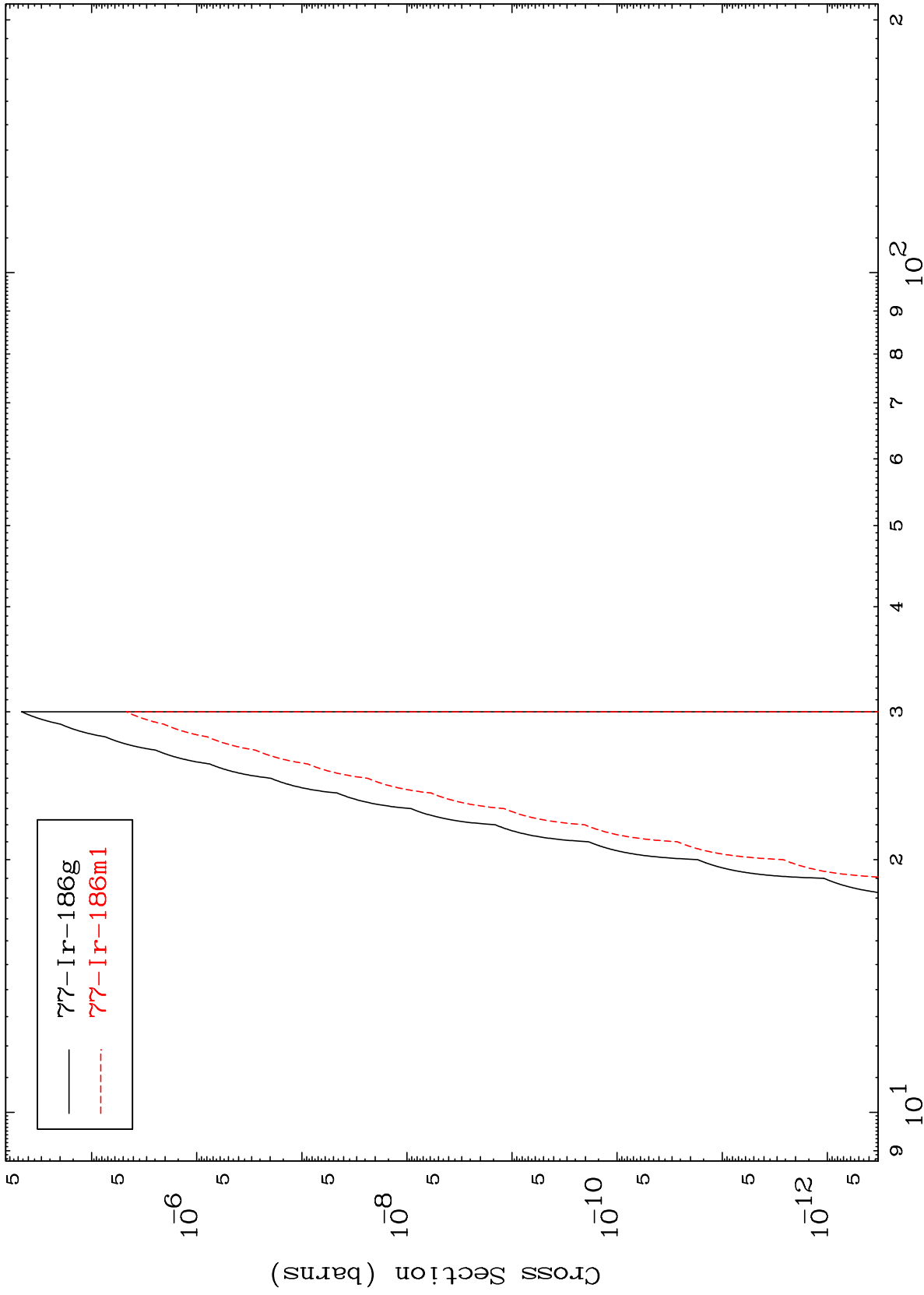
<sup>79</sup>Au-189

MAT 7902

(n, n') He-3

79-Au-189

Radionuclide Production Cross Section



20

Incident Energy (MeV)

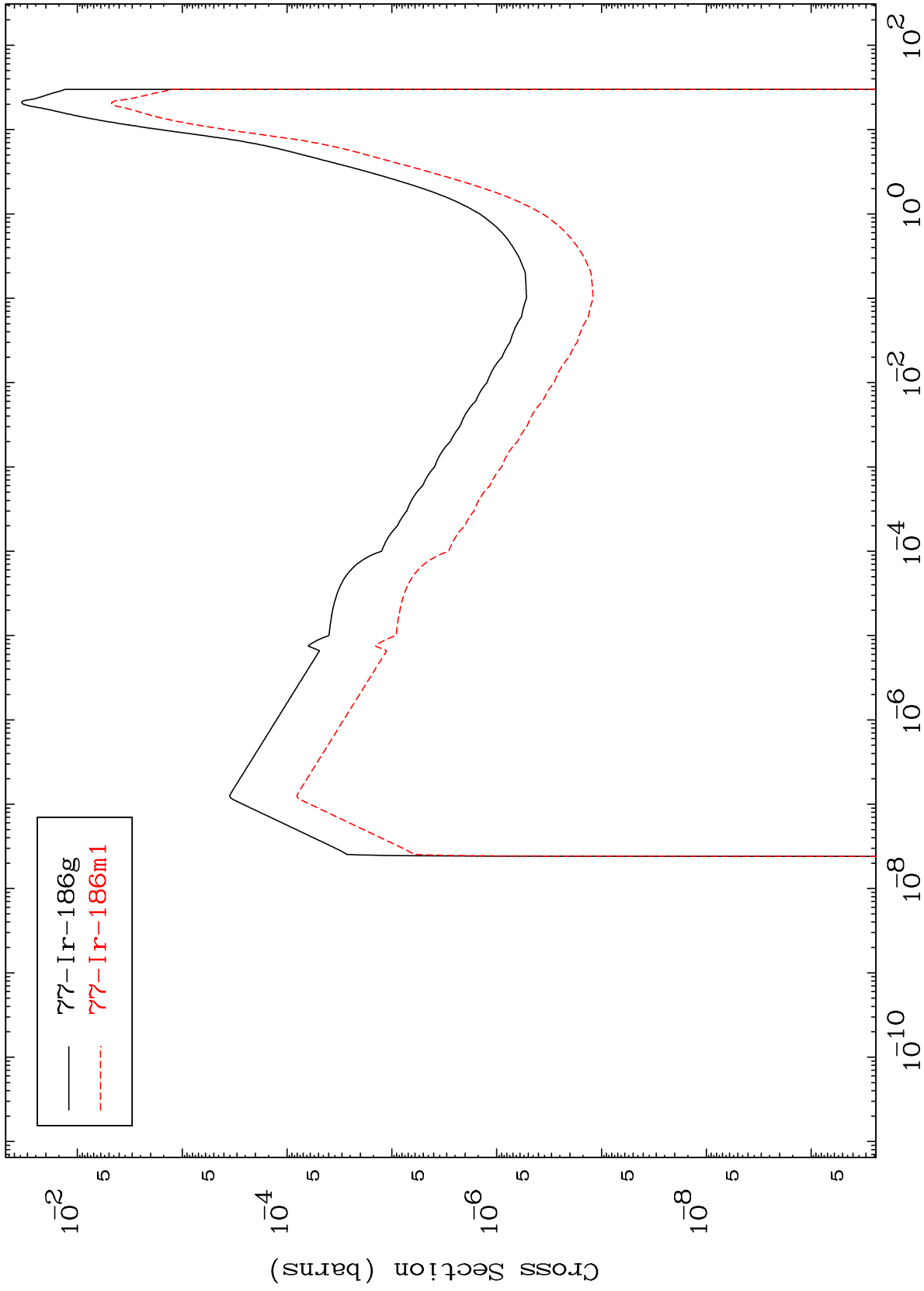
79-Au-189

MAT 7902

(n,  $\alpha$ )

<sup>79</sup>Au-189

Radionuclide Production Cross Section



21

Incident Energy (MeV)

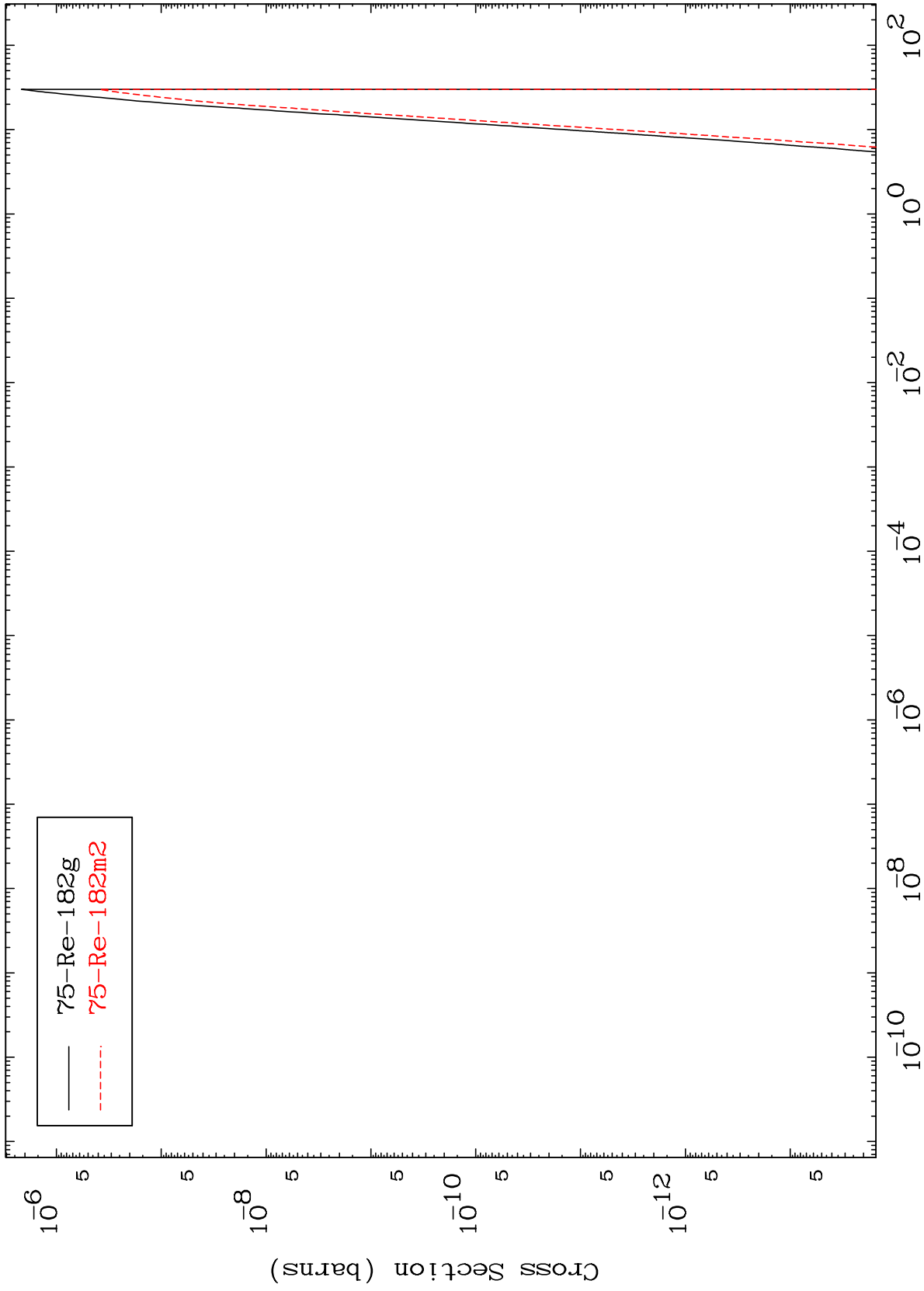
<sup>79</sup>Au-189

MAT 7902

(n,2α)

79-Au-189

Radionuclide Production Cross Section



22

Incident Energy (MeV)

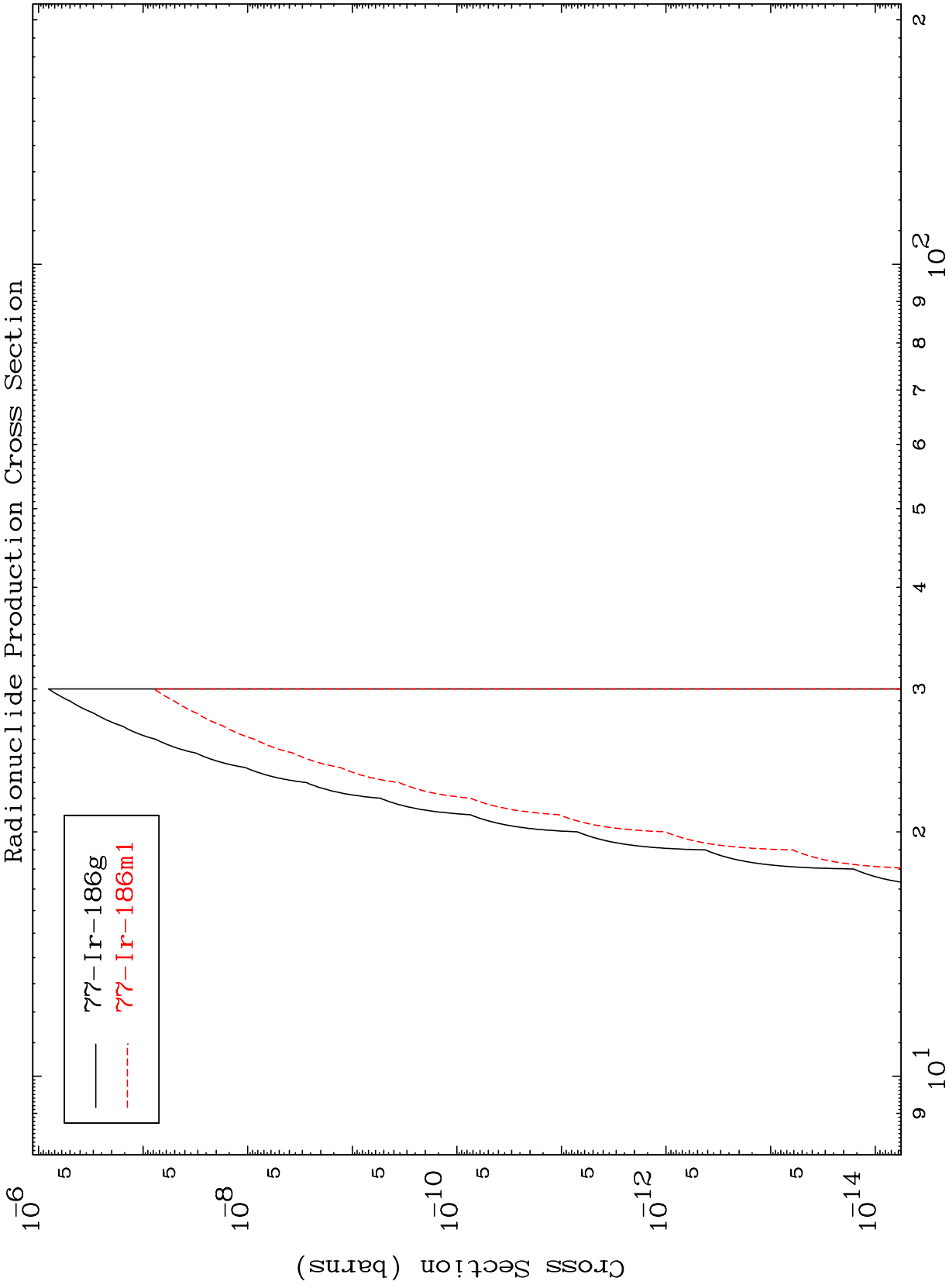
79-Au-189

MAT 7902

(n,p) t

79-Au-189

Radionuclide Production Cross Section



23

Incident Energy (MeV)

79-Au-189