

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

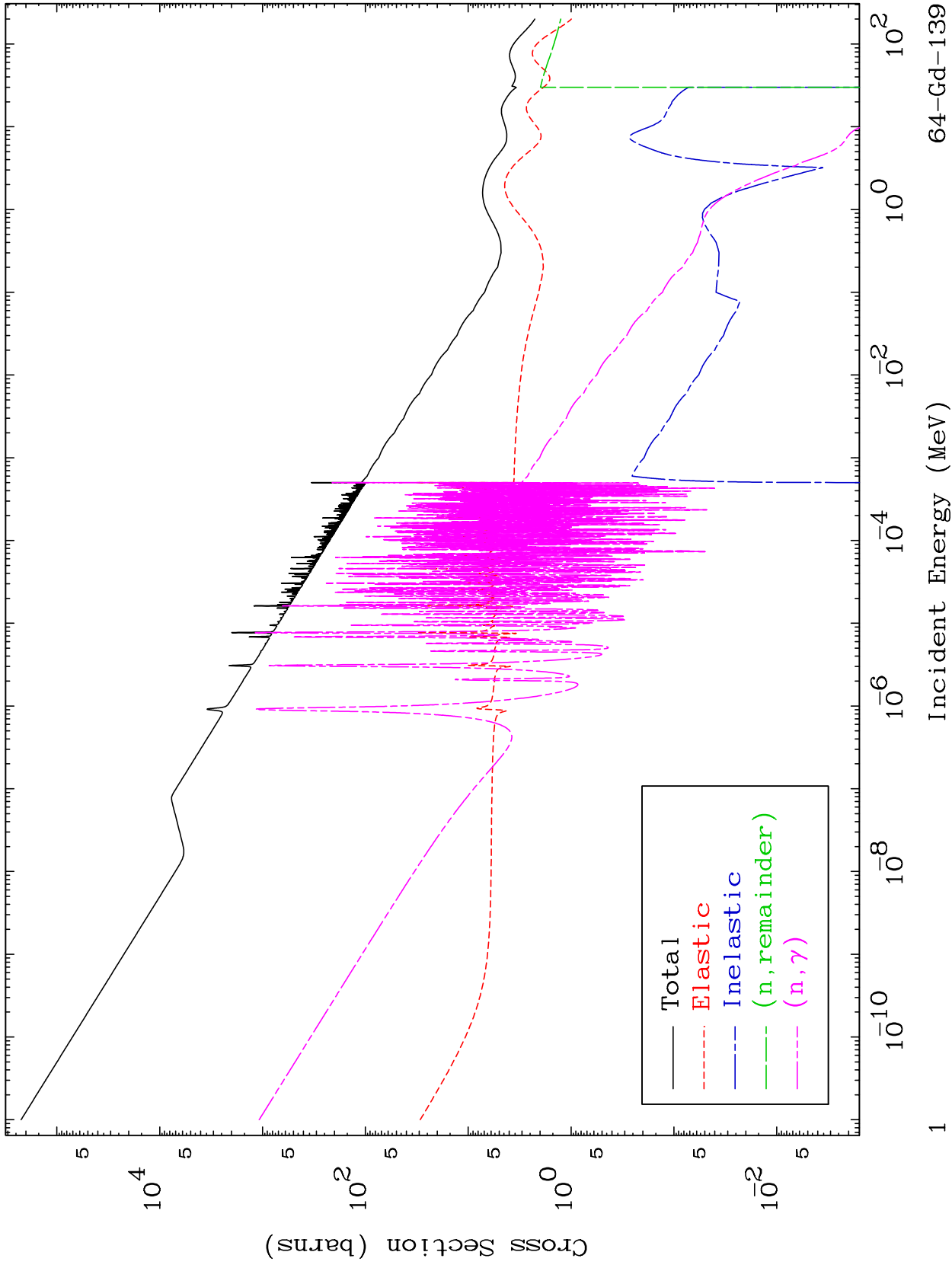
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6387

Major
293 Kelvin Cross Sections

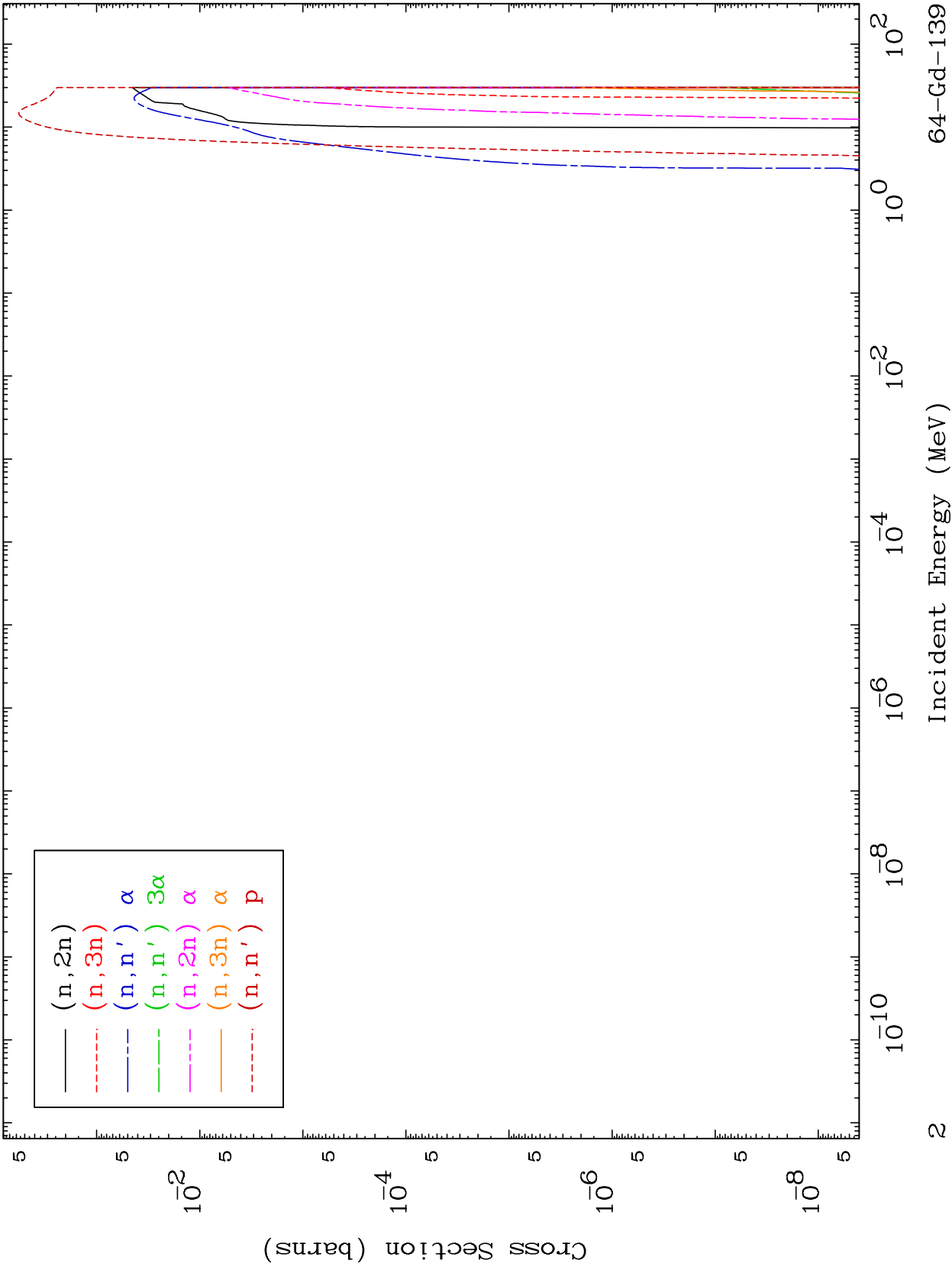
64-Gd-139



MAT 6387

Neutron Production
293 Kelvin Cross Sections

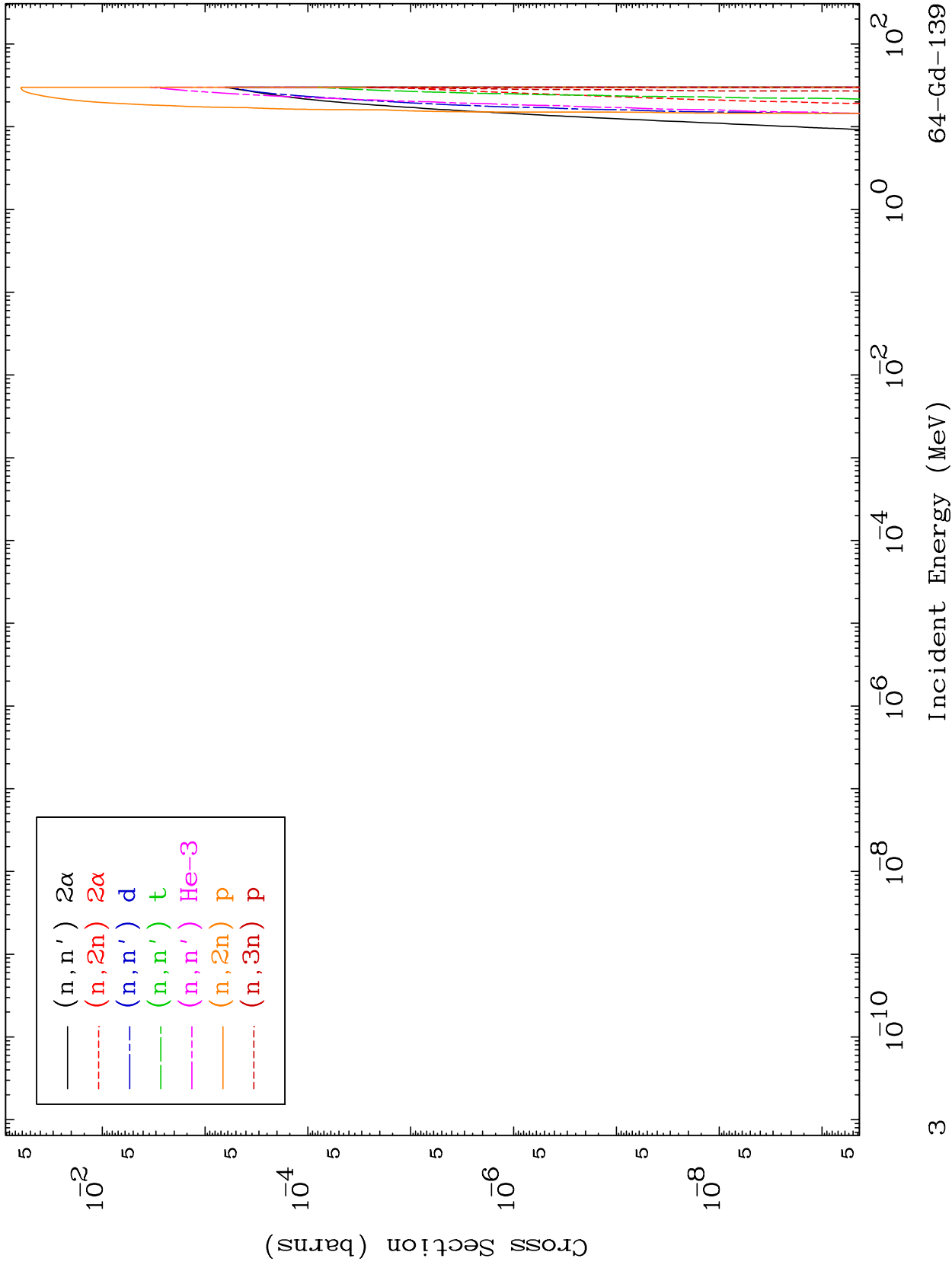
64-Gd-139



MAT 6387

Neutron Production
293 Kelvin Cross Sections

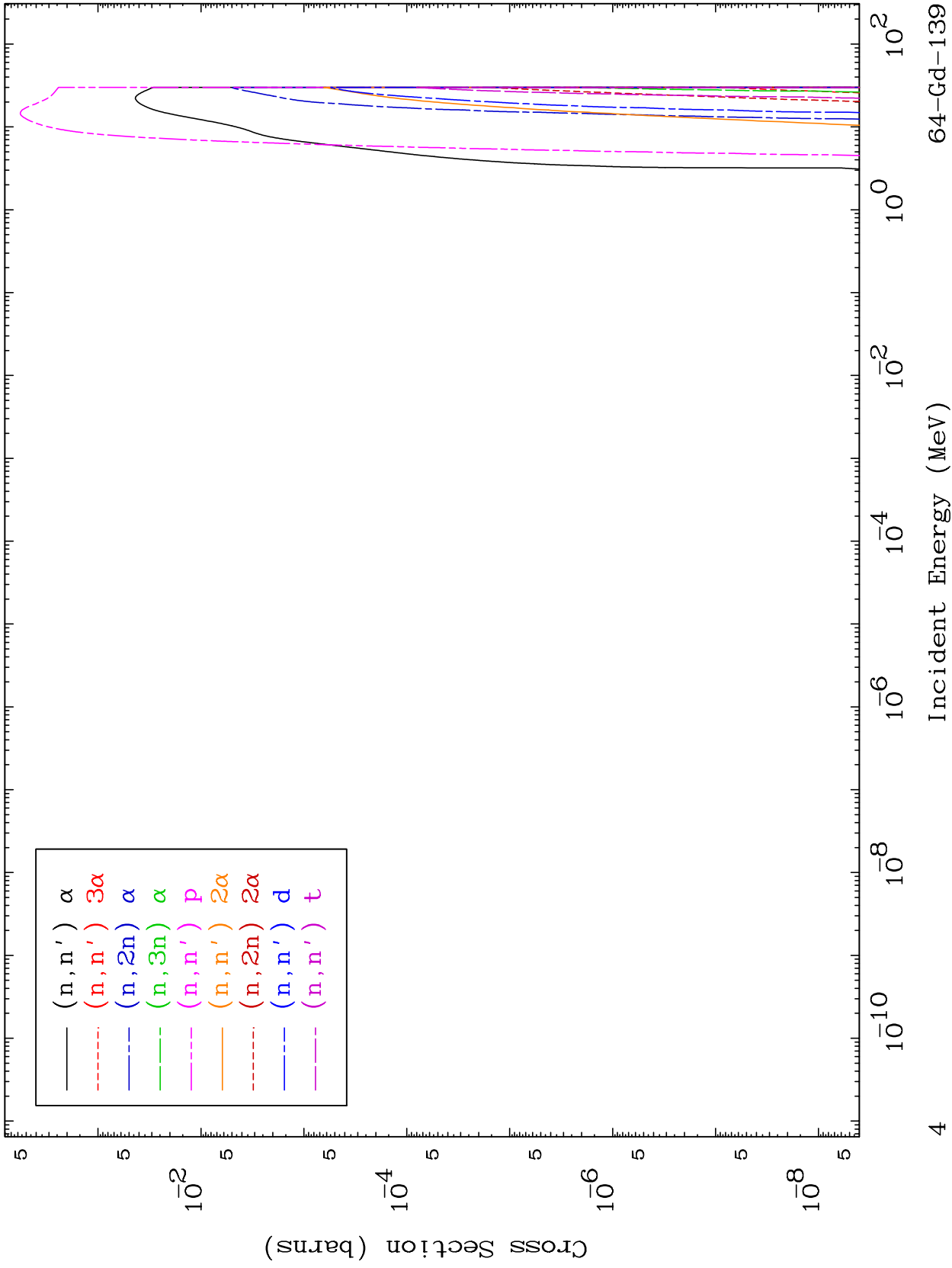
64-Gd-139



MAT 6387

Charged Particle
293 Kelvin Cross Sections

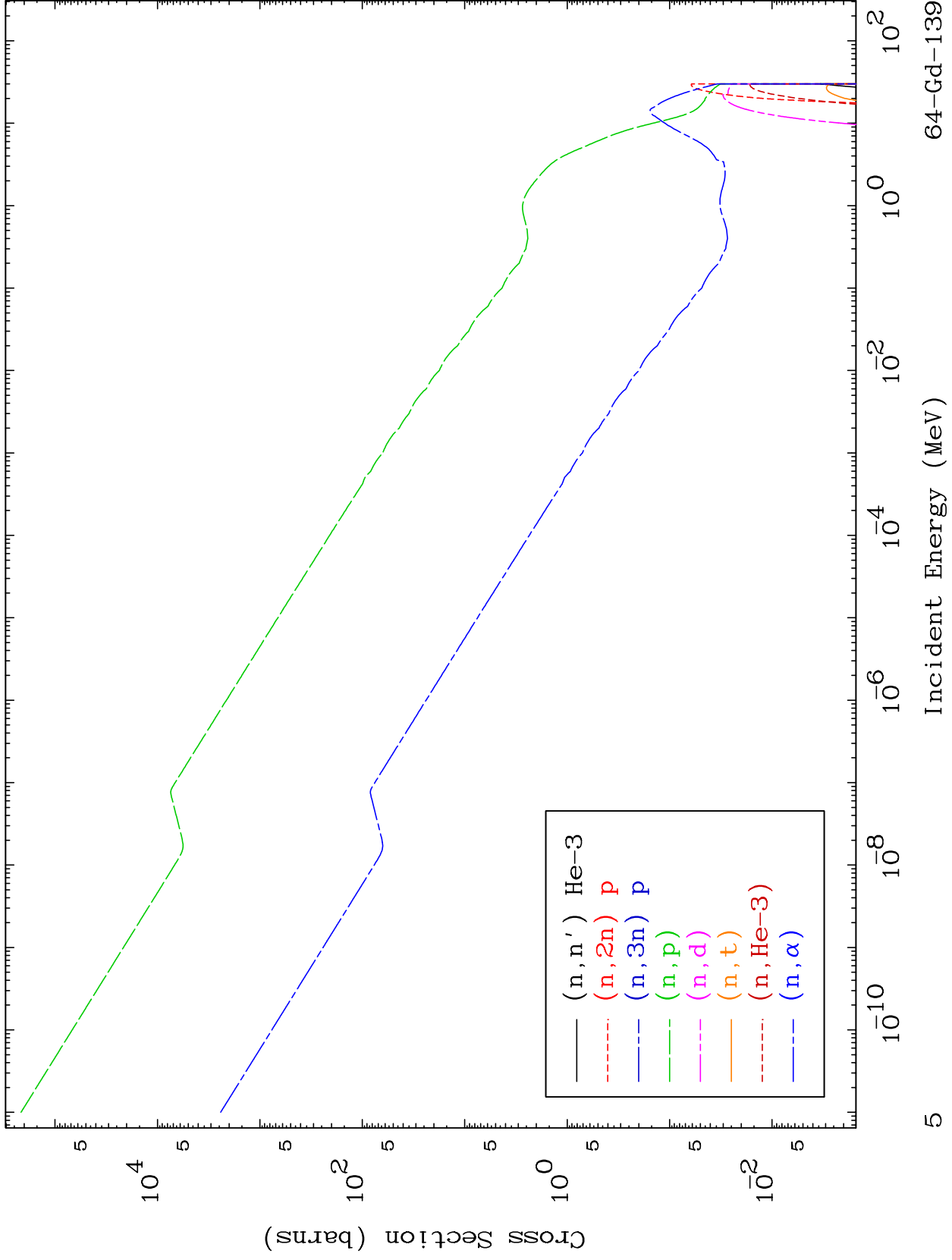
64-Gd-139



MAT 6387

Charged Particle
293 Kelvin Cross Sections

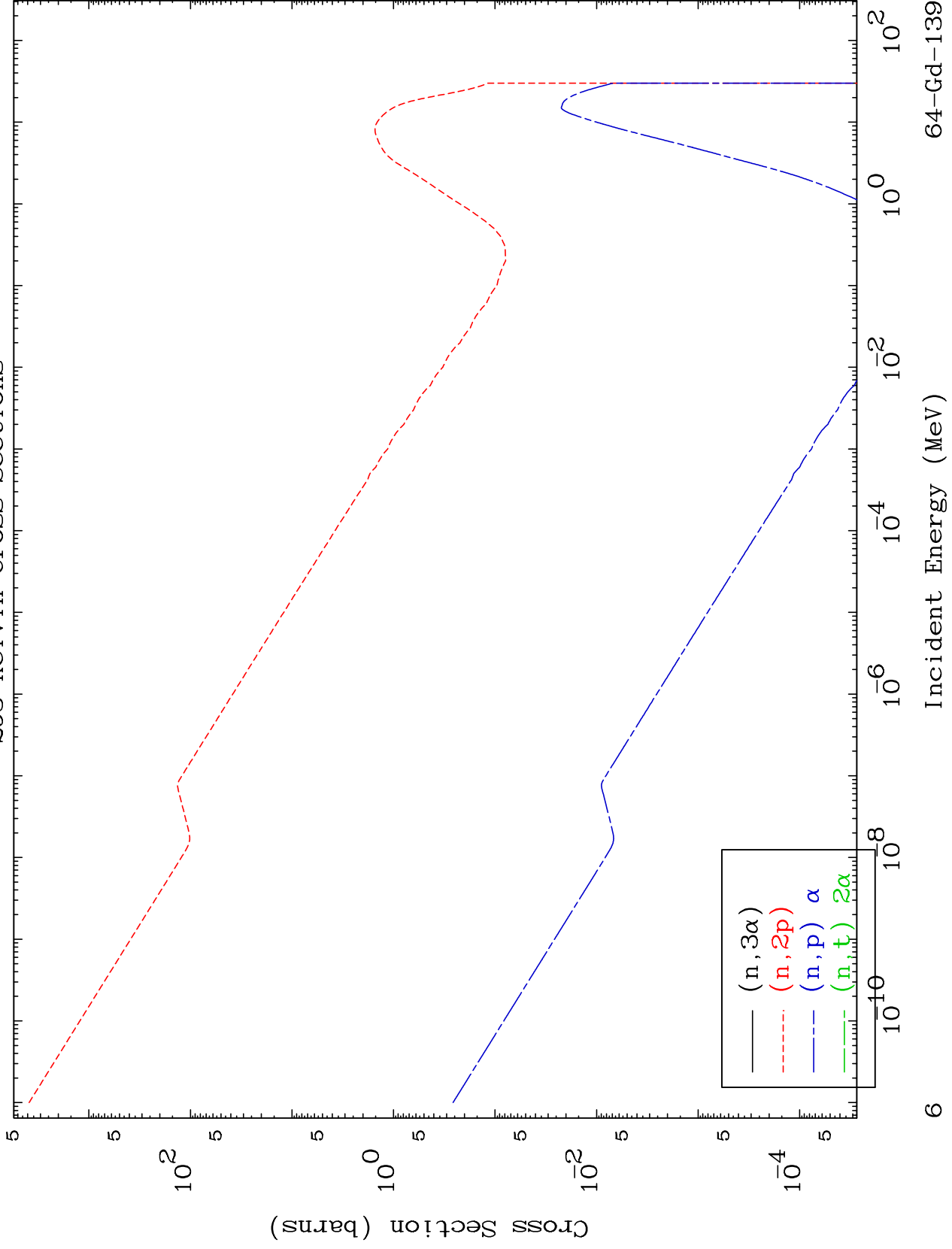
64-Gd-139



MAT 6387

Charged Particle
293 Kelvin Cross Sections

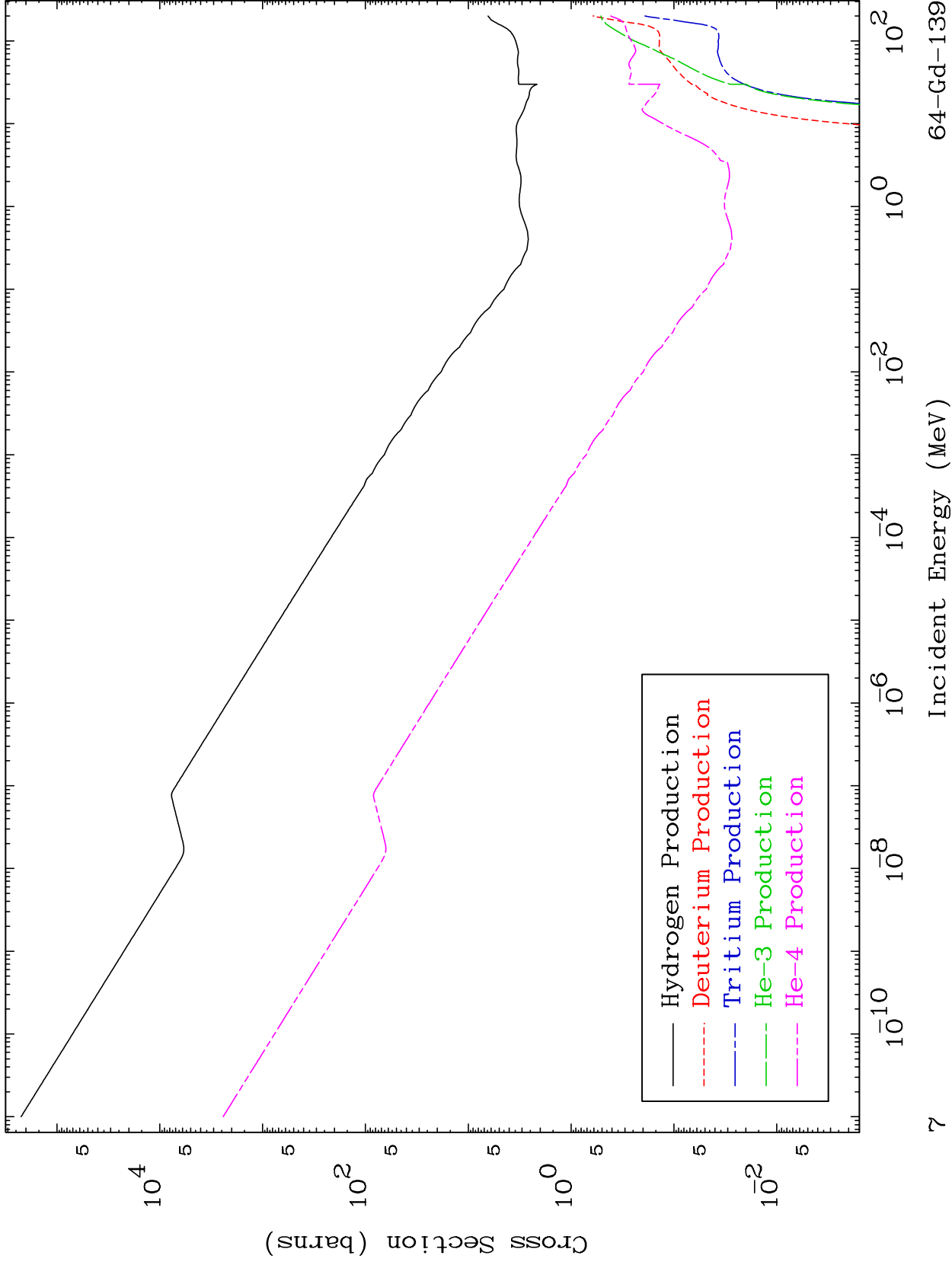
64-Gd-139



MAT 6387

Particle Production
293 Kelvin Cross Sections

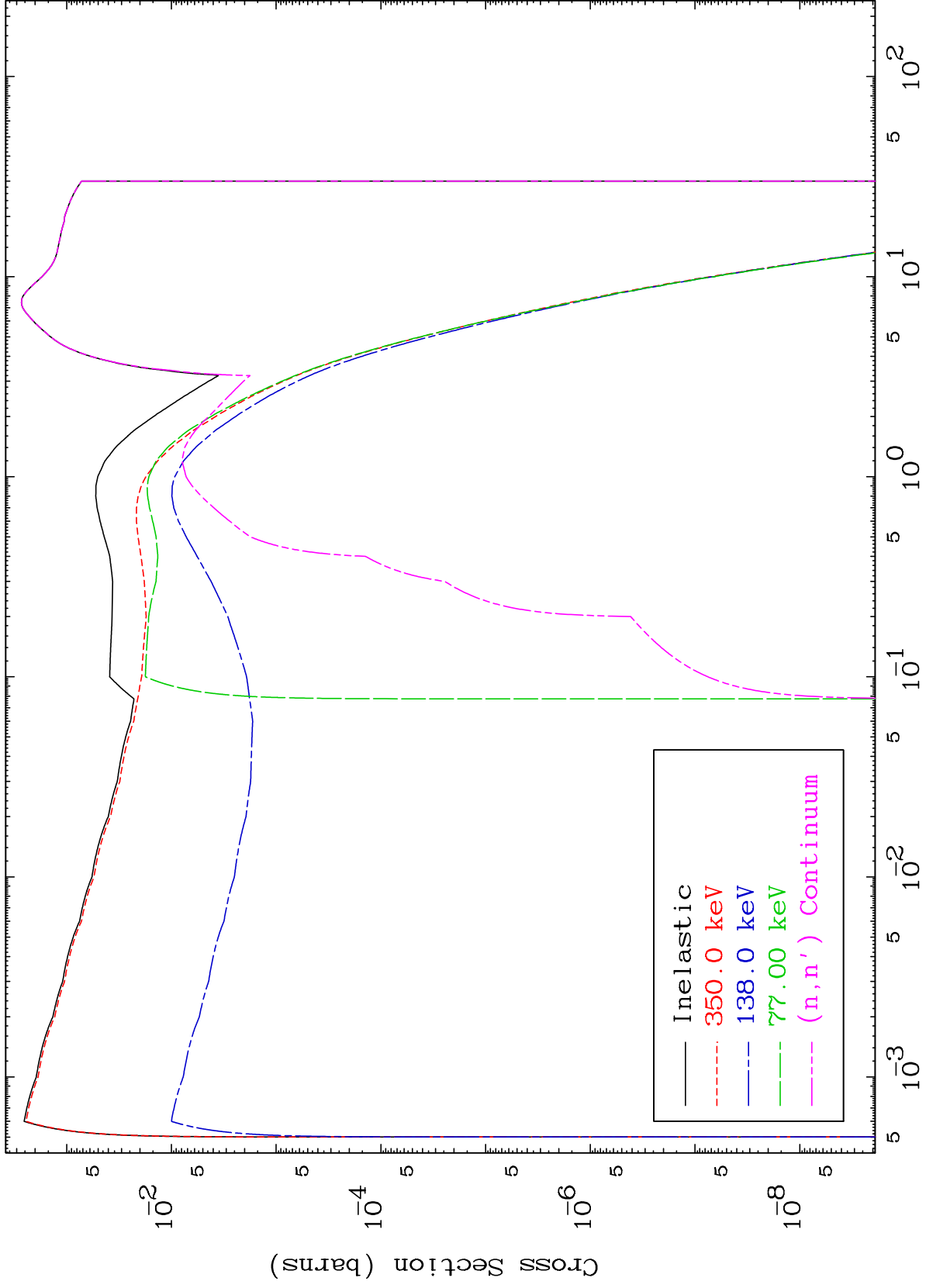
64-Gd-139



MAT 6387

(n,n') Level
293 Kelvin Cross Sections

64-Gd-139



8

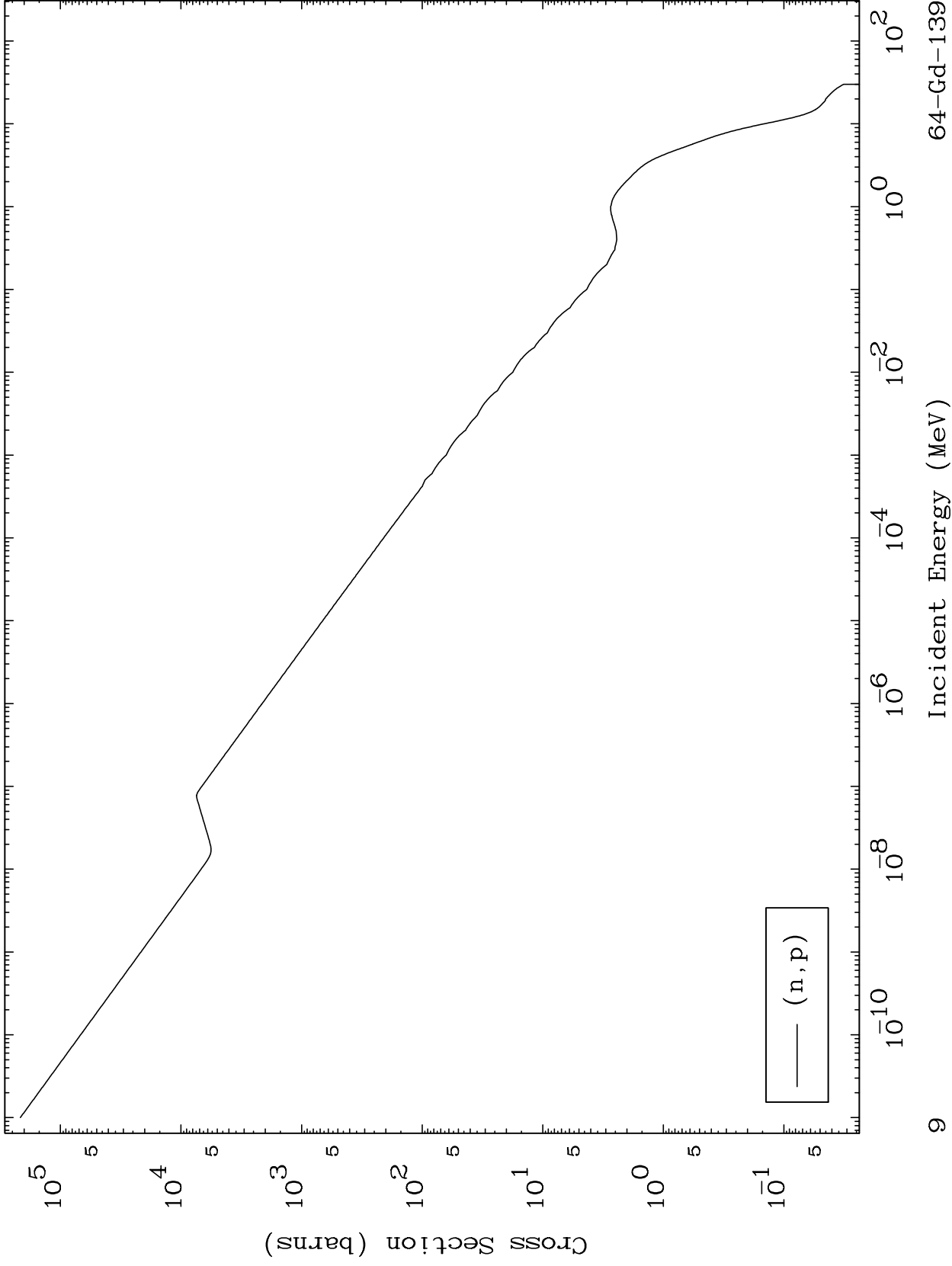
Incident Energy (MeV)

64-Gd-139

MAT 6387

(n,p) Levels
293 Kelvin Cross Sections

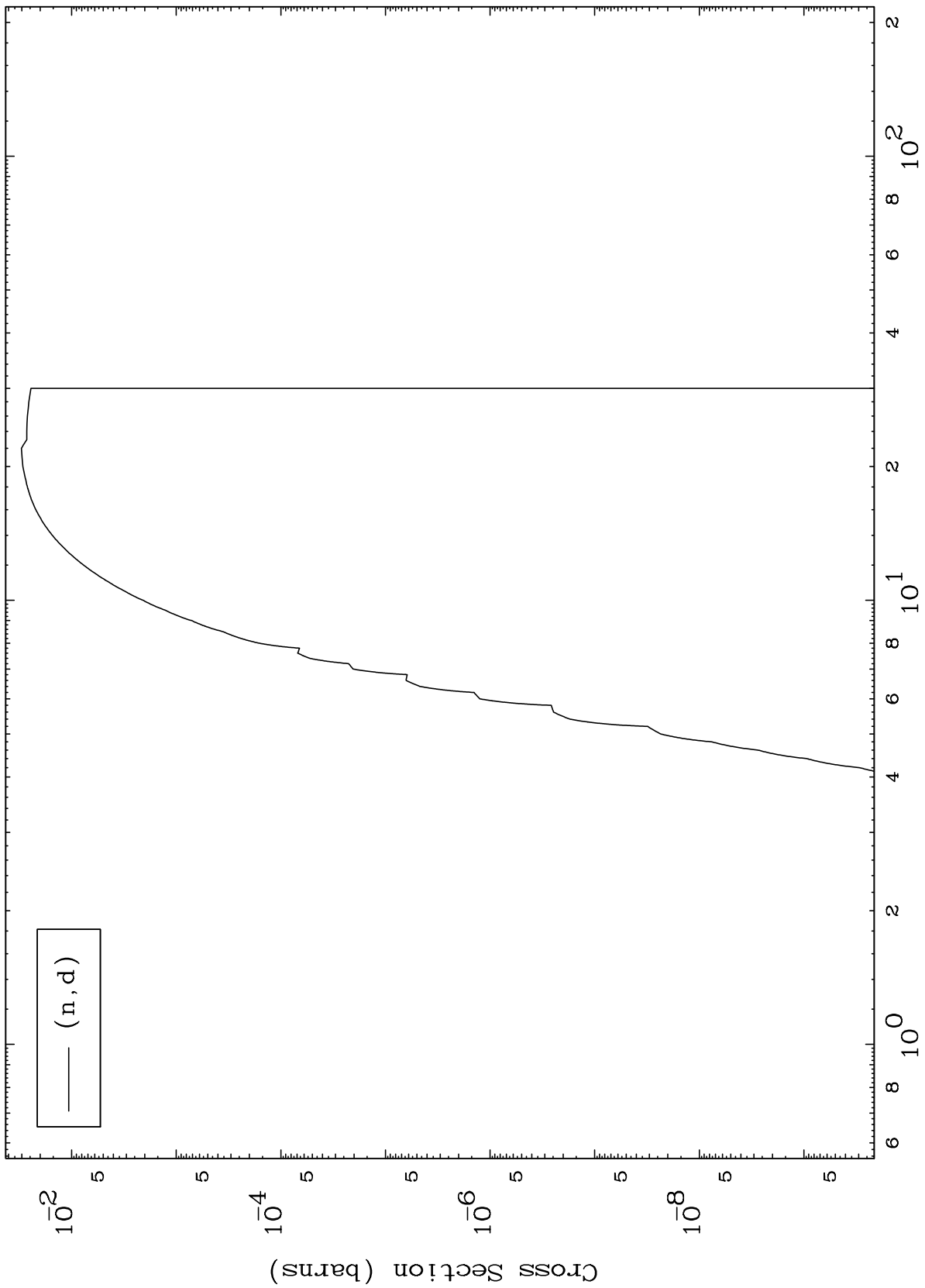
64-Gd-139



MAT 6387

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-139



10

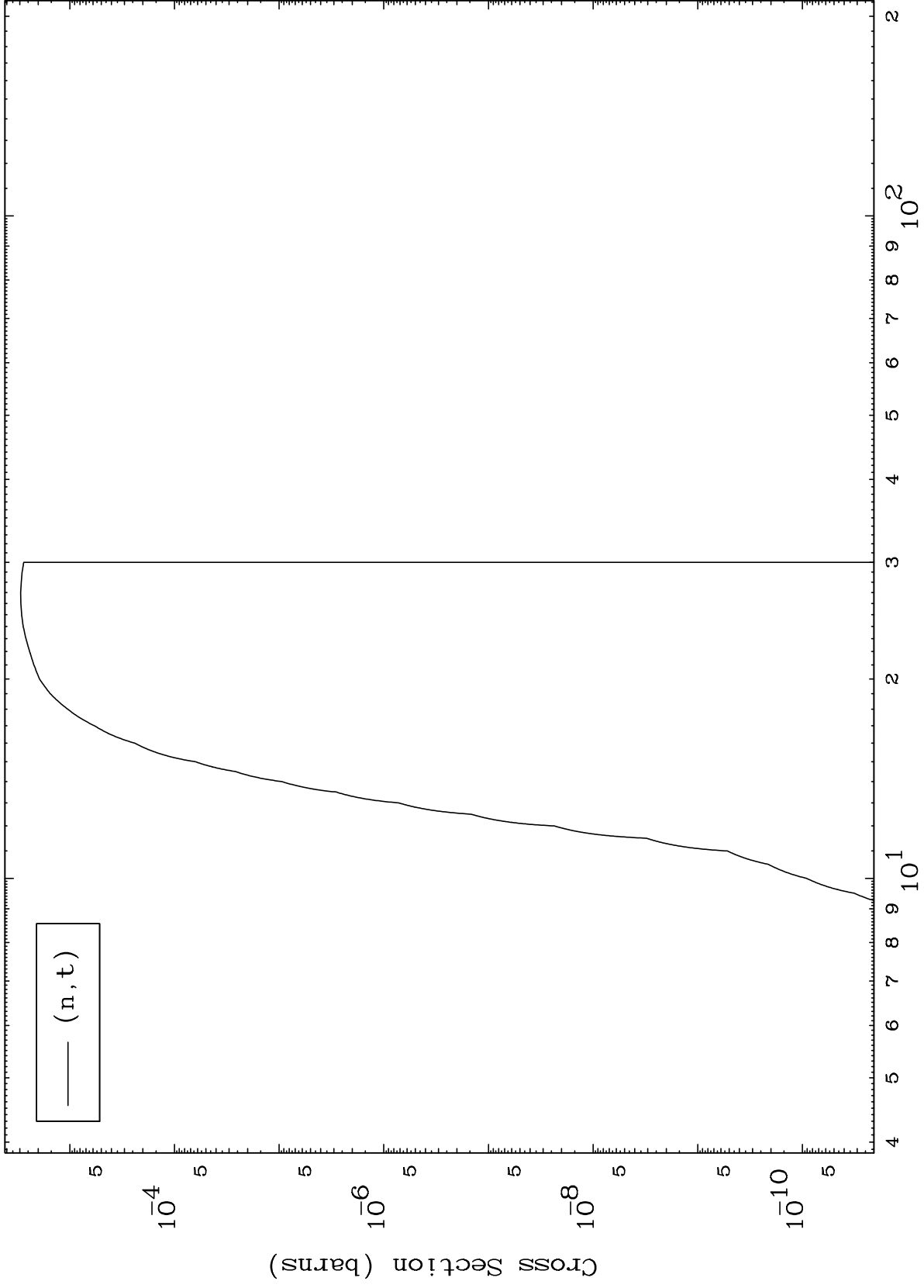
Incident Energy (MeV)

64-Gd-139

MAT 6387

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-139



11

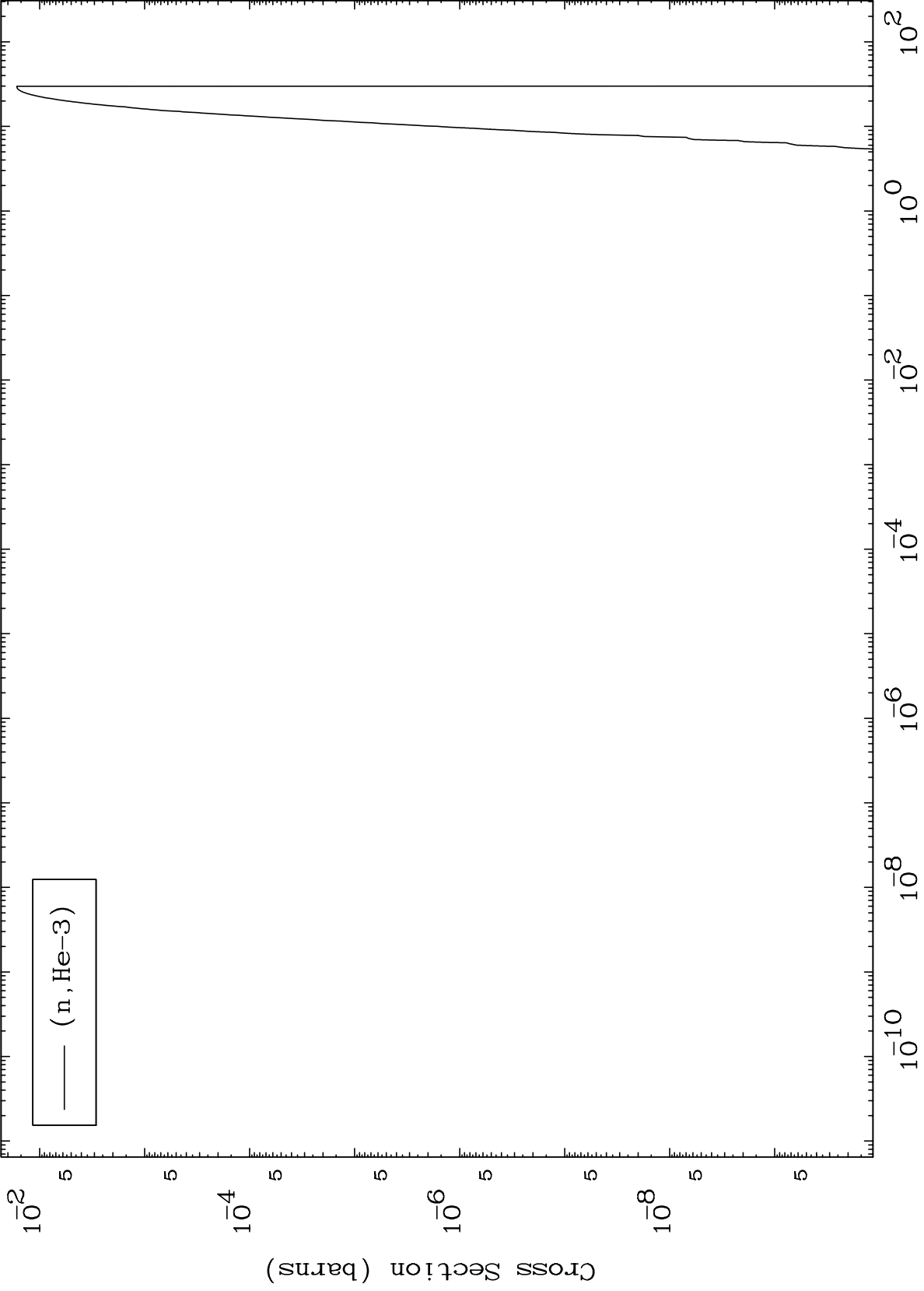
Incident Energy (MeV)

64-Gd-139

MAT 6387

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-139



12

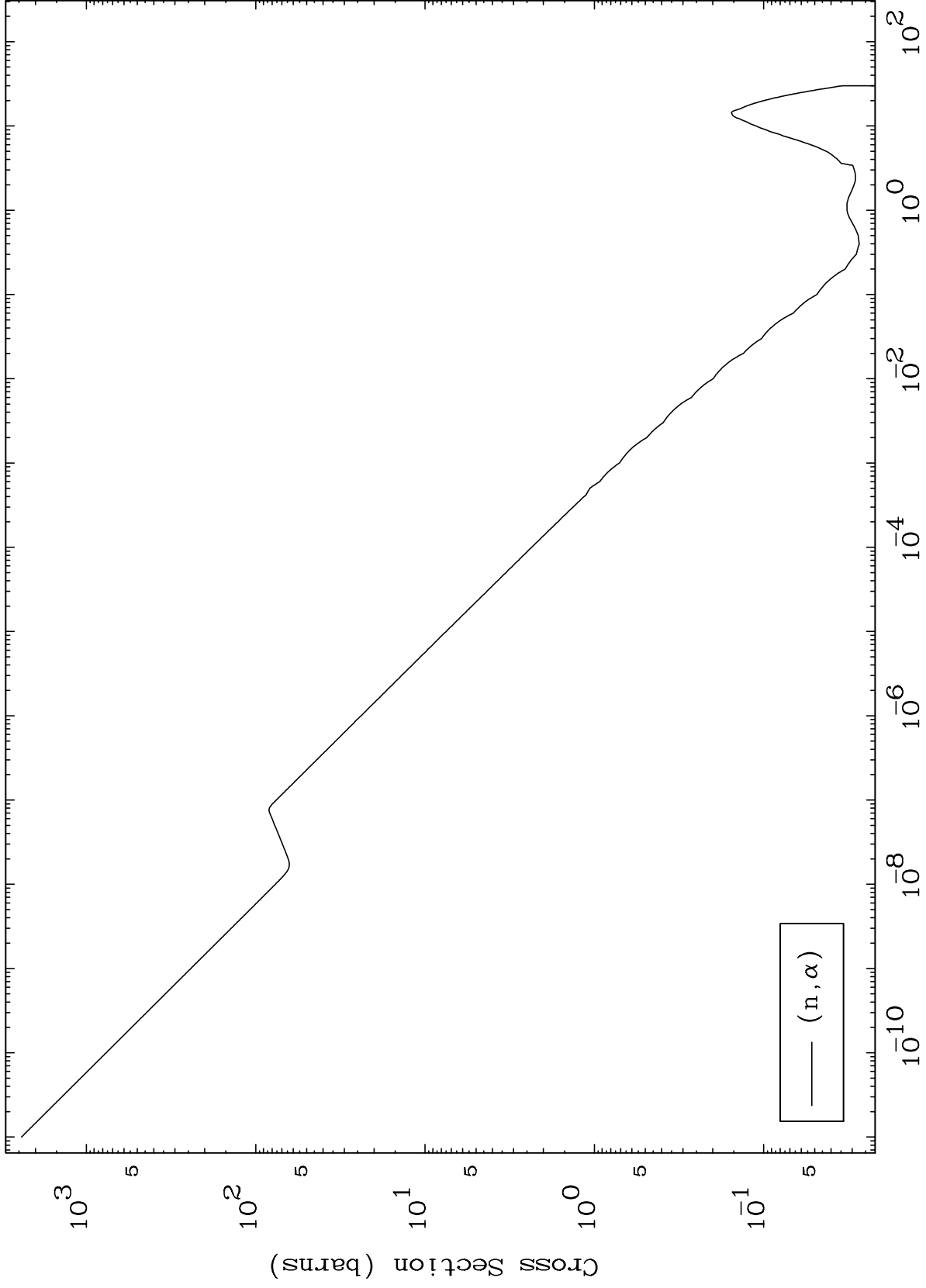
Incident Energy (MeV)

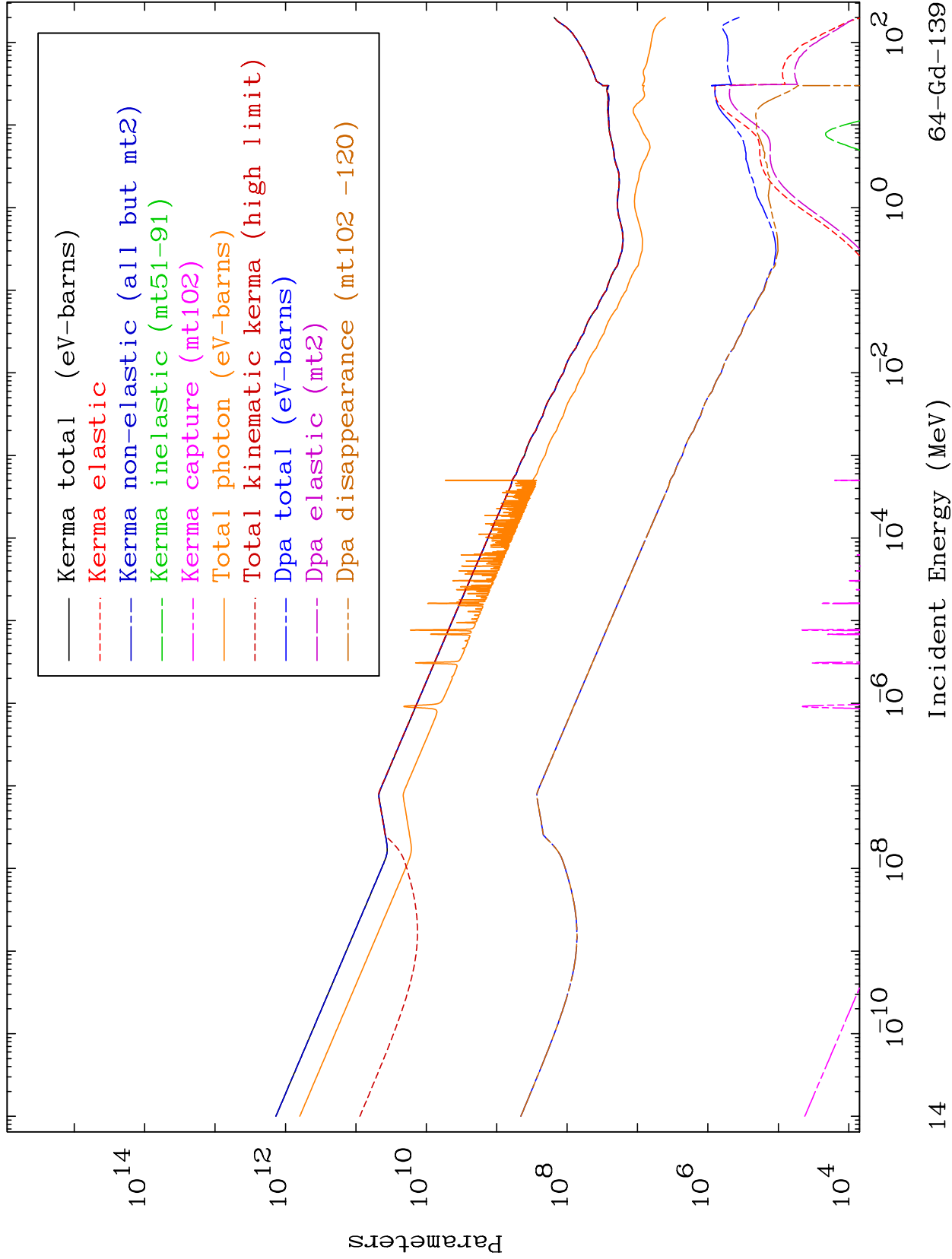
64-Gd-139

MAT 6387

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-139

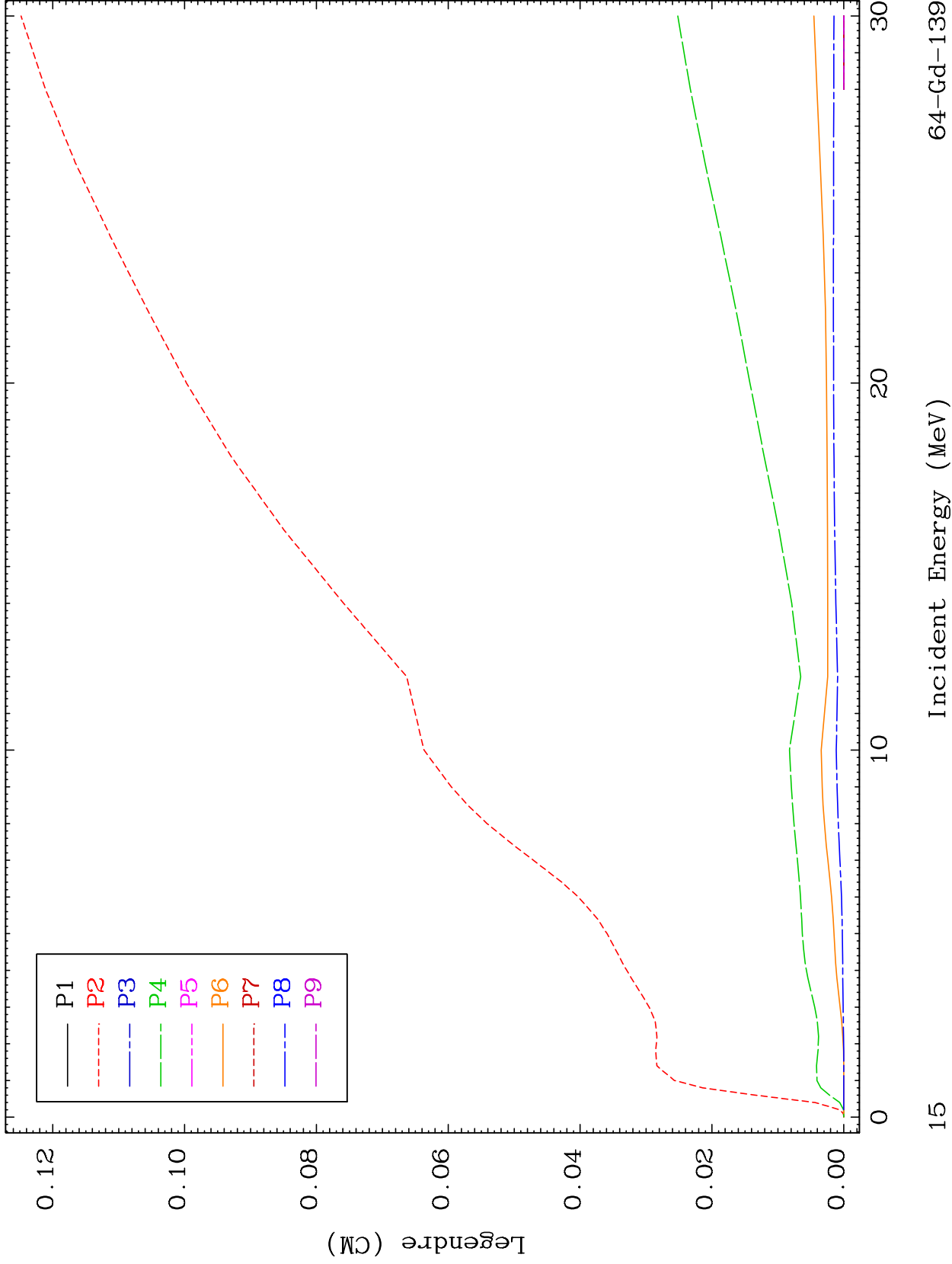




MAT 6387

Elastic Legendre Coefficients

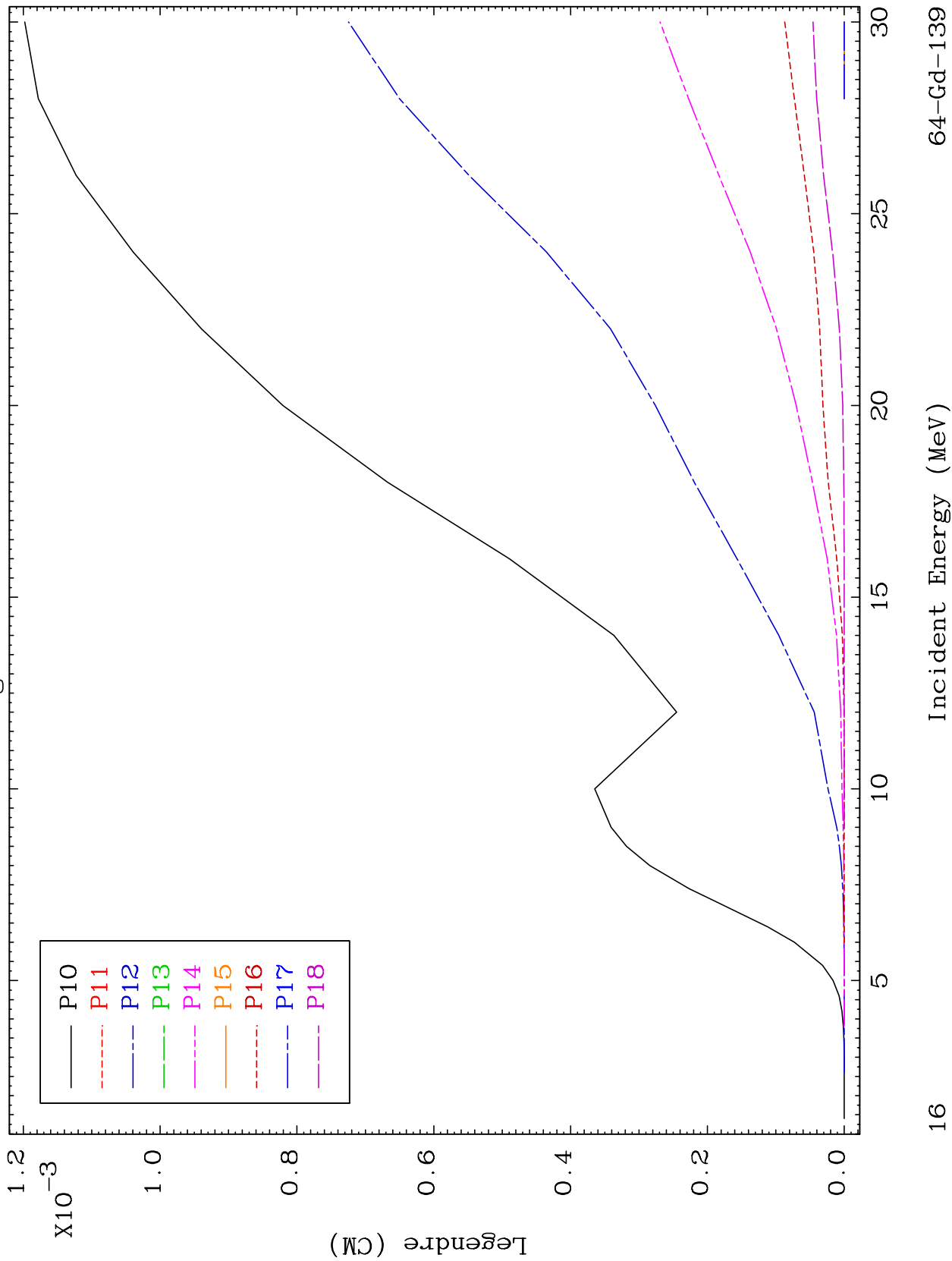
64-Gd-139



MAT 6387

Elastic Legendre Coefficients

64-Gd-139



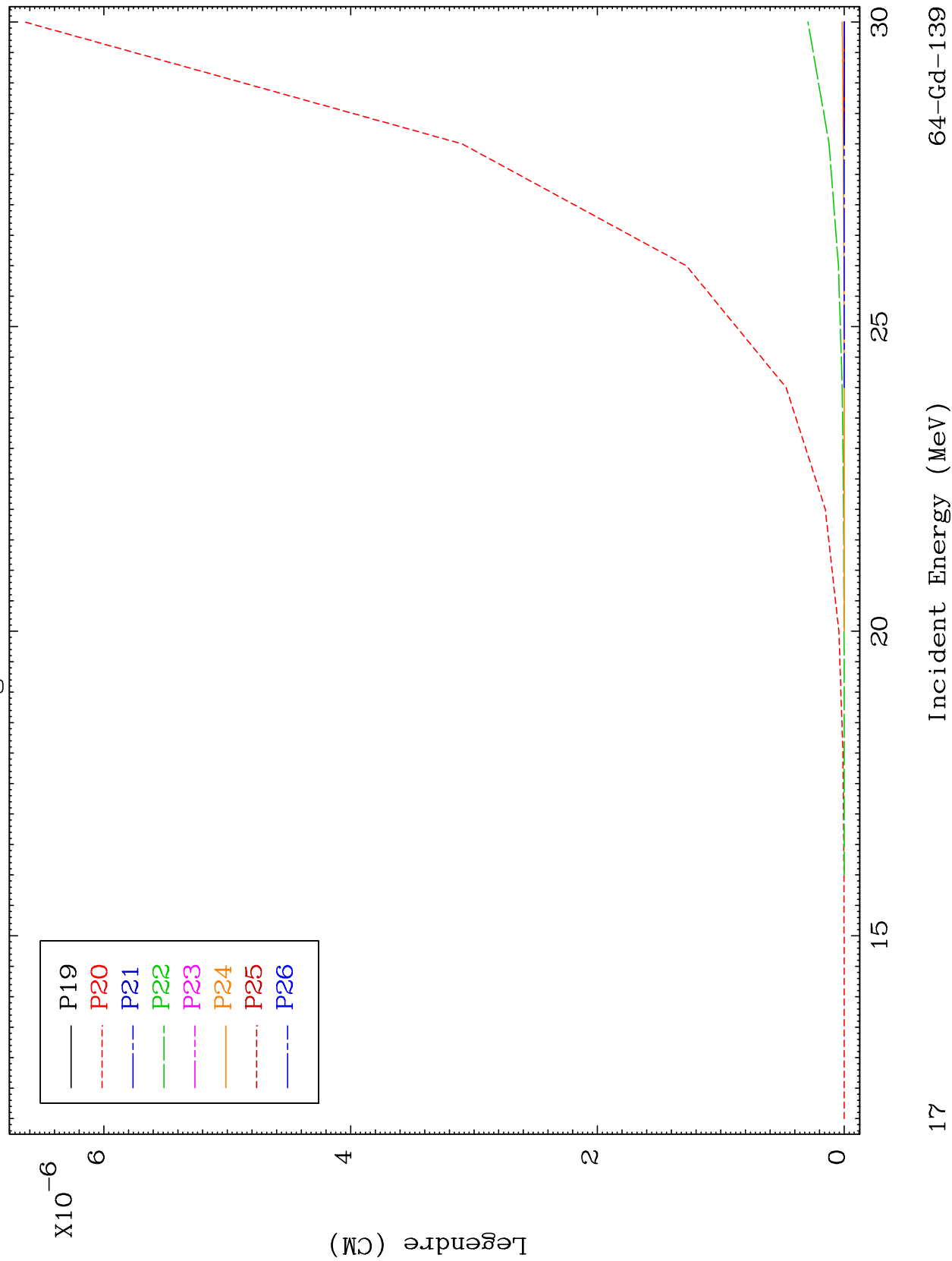
16

64-Gd-139

MAT 6387

Elastic Legendre Coefficients

64-Gd-139



17

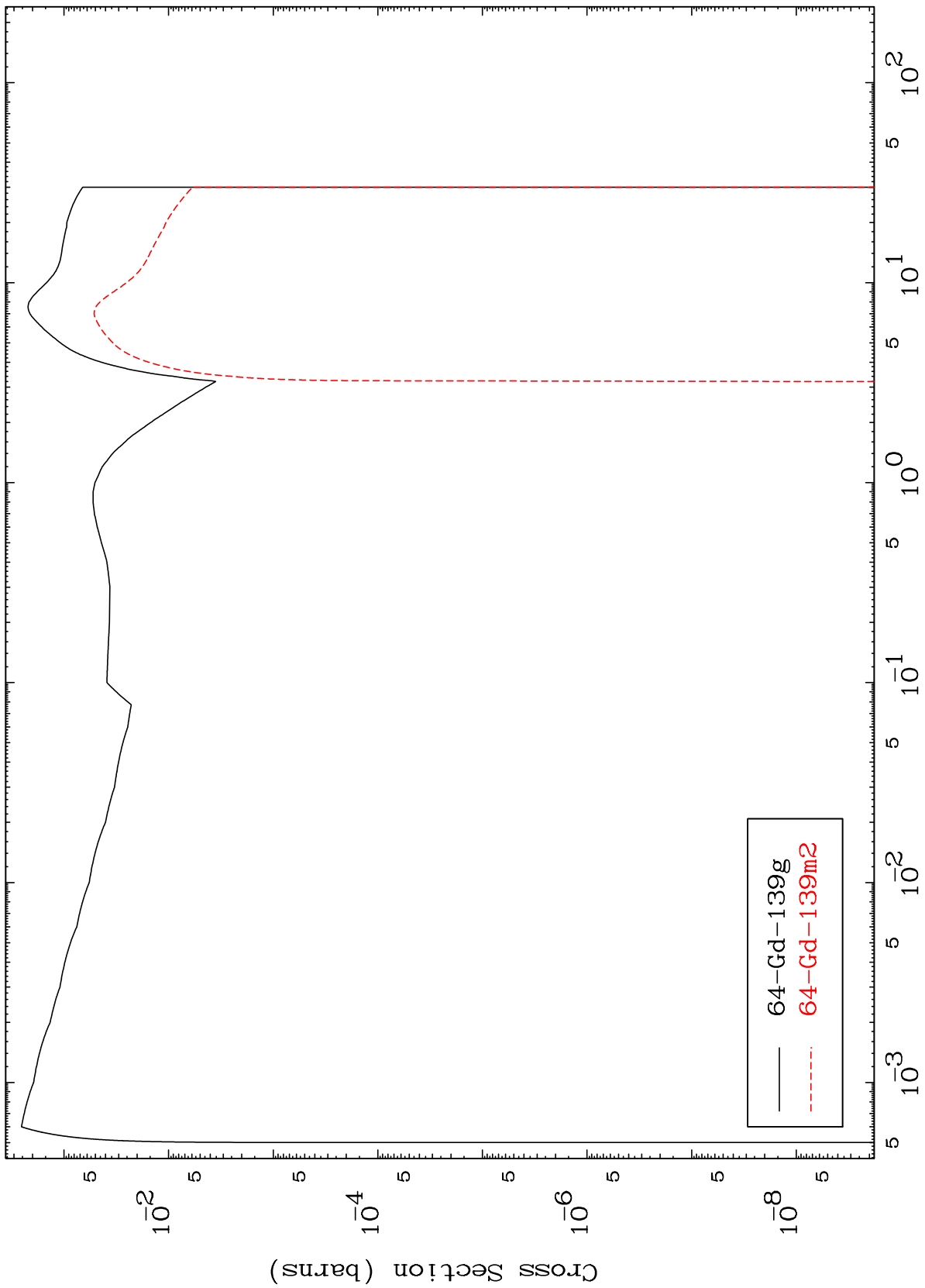
Incident Energy (MeV)

64-Gd-139

MAT 6387

64-Gd-139

Inelastic
Radionuclide Production Cross Section



18

Incident Energy (MeV)

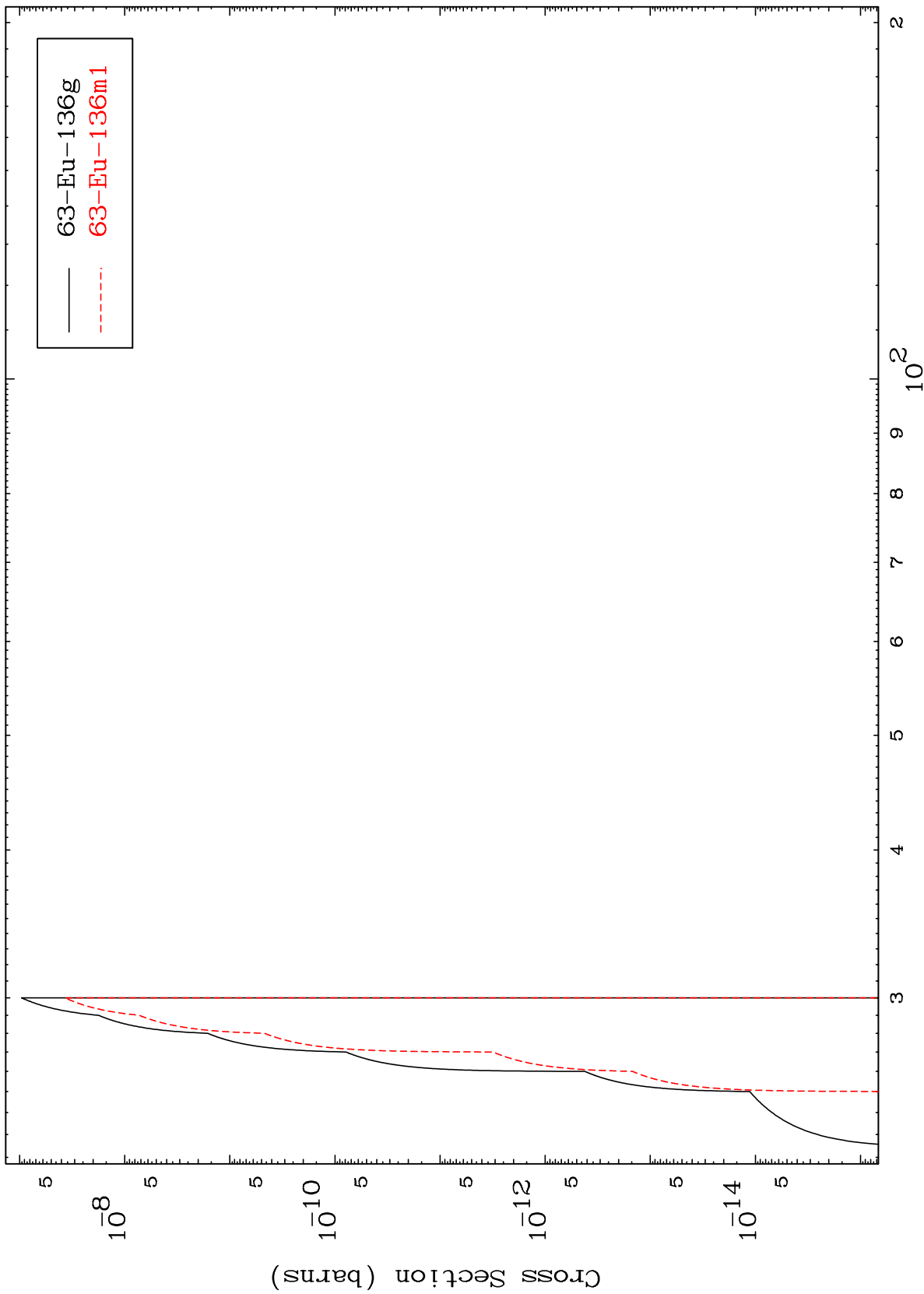
64-Gd-139

MAT 6387

(n,2n) d

64-Gd-139

Radionuclide Production Cross Section



19

Incident Energy (MeV)

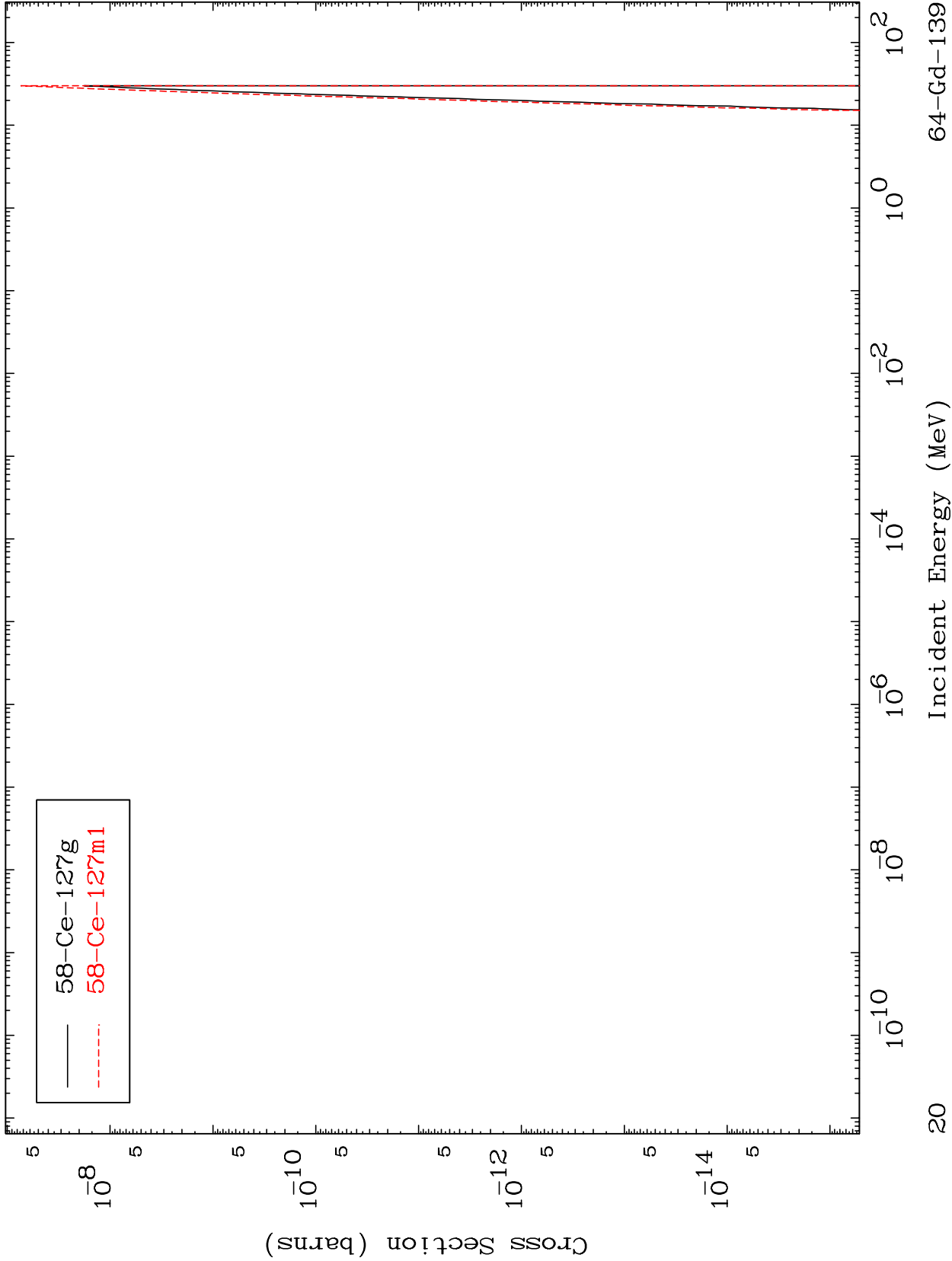
64-Gd-139

MAT 6387

(n,n') 3 α

64-Gd-139

Radionuclide Production Cross Section

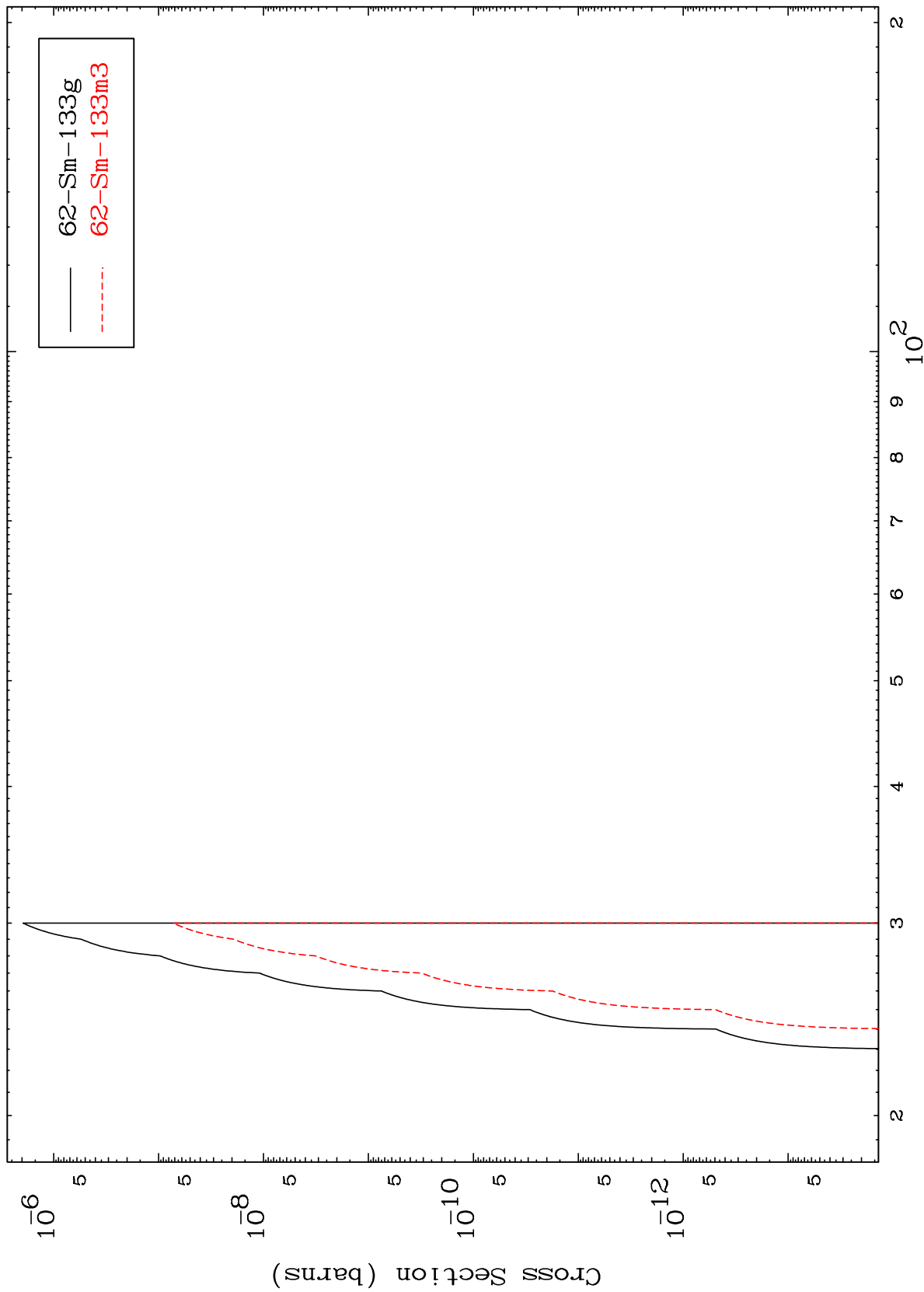


MAT 6387

$(n,3n) \alpha$

64-Gd-139

Radionuclide Production Cross Section



21

Incident Energy (MeV)

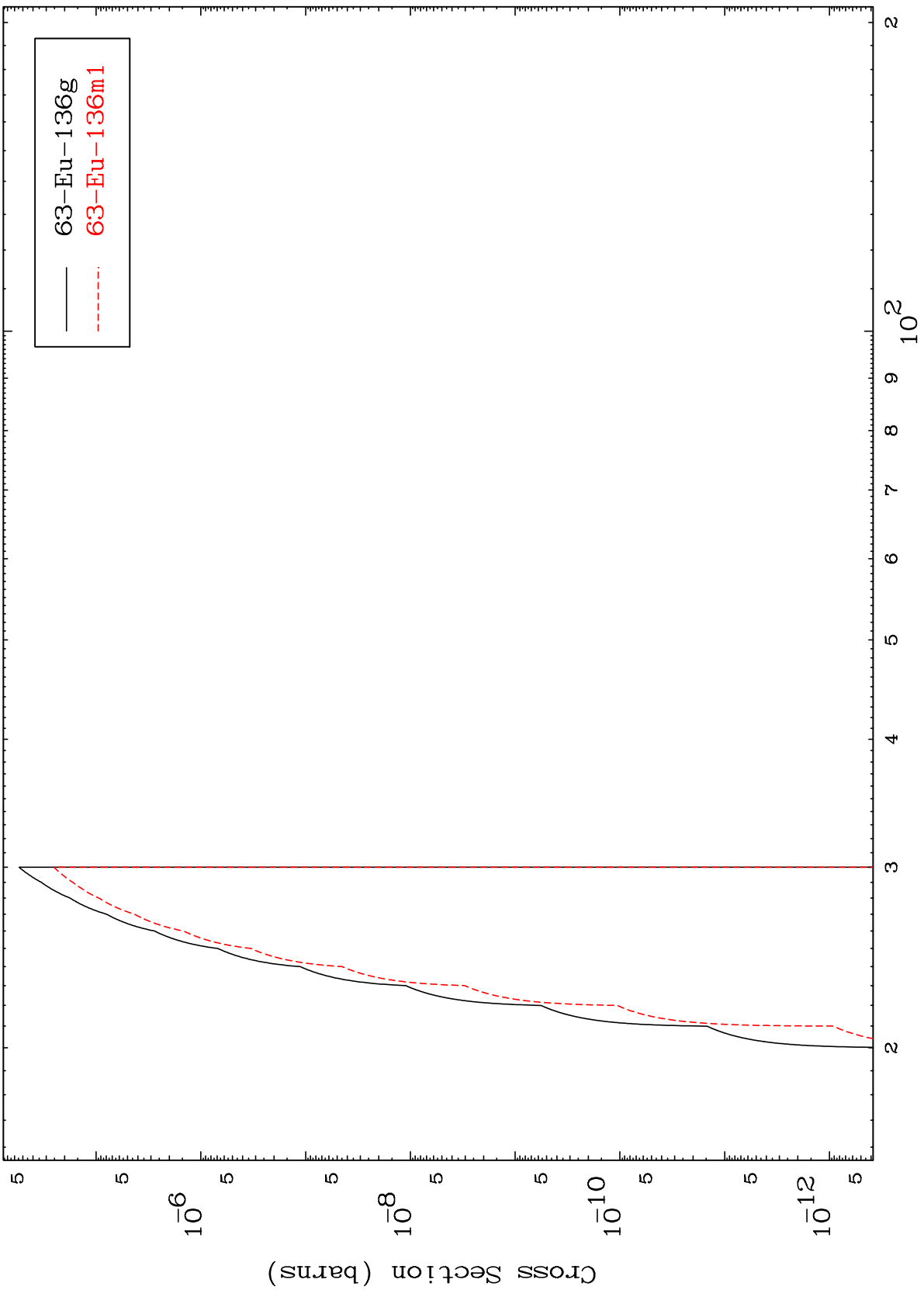
64-Gd-139

MAT 6387

(n,n') t

64-Gd-139

Radionuclide Production Cross Section



22

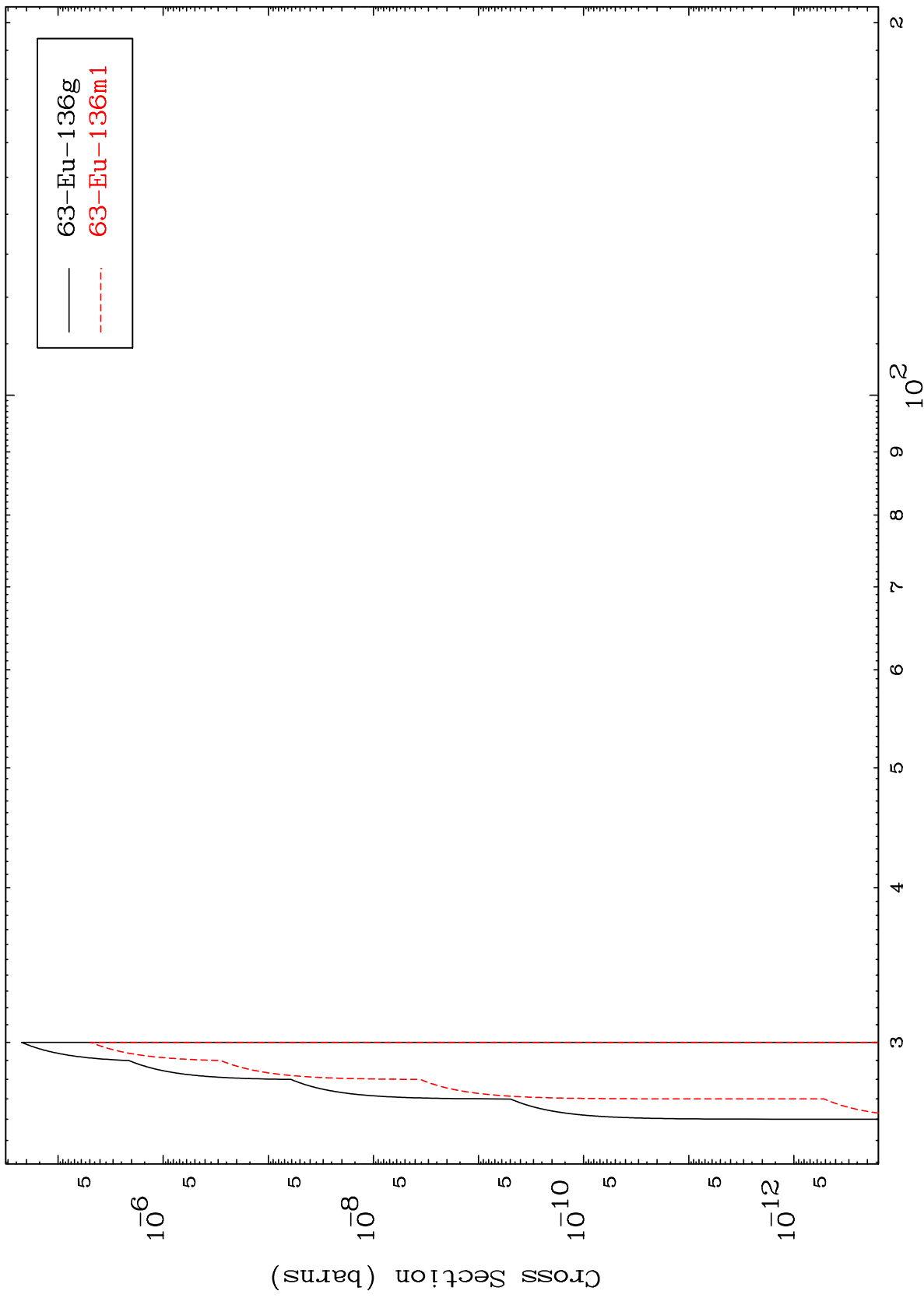
Incident Energy (MeV)

64-Gd-139

MAT 6387

64-Gd-139

(n,3n) p
Radionuclide Production Cross Section



64-Gd-139

Incident Energy (MeV)

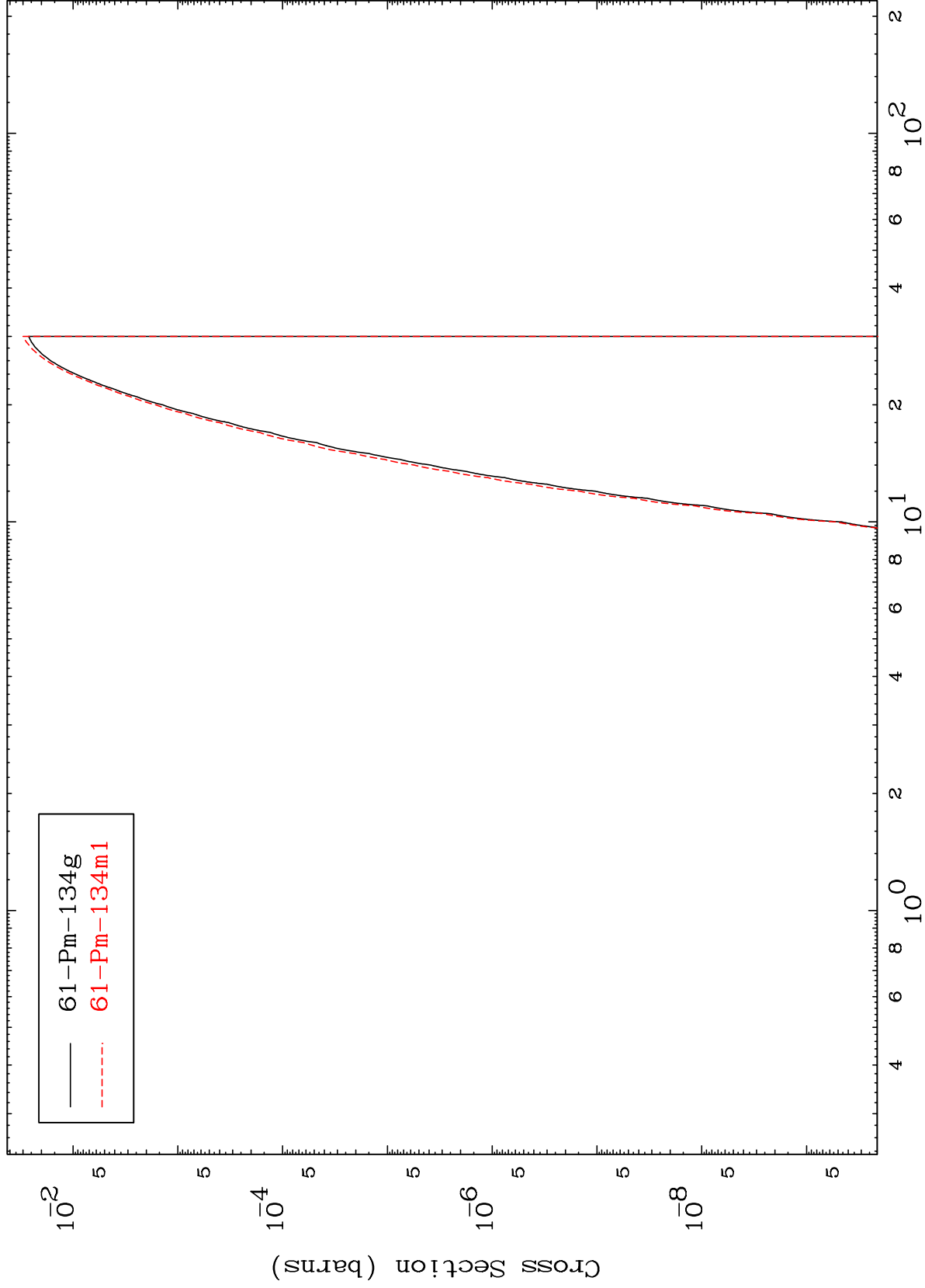
23

MAT 6387

(n,n') p α

64-Gd-139

Radionuclide Production Cross Section



61-Pm-134g
61-Pm-134m1

24

Incident Energy (MeV)

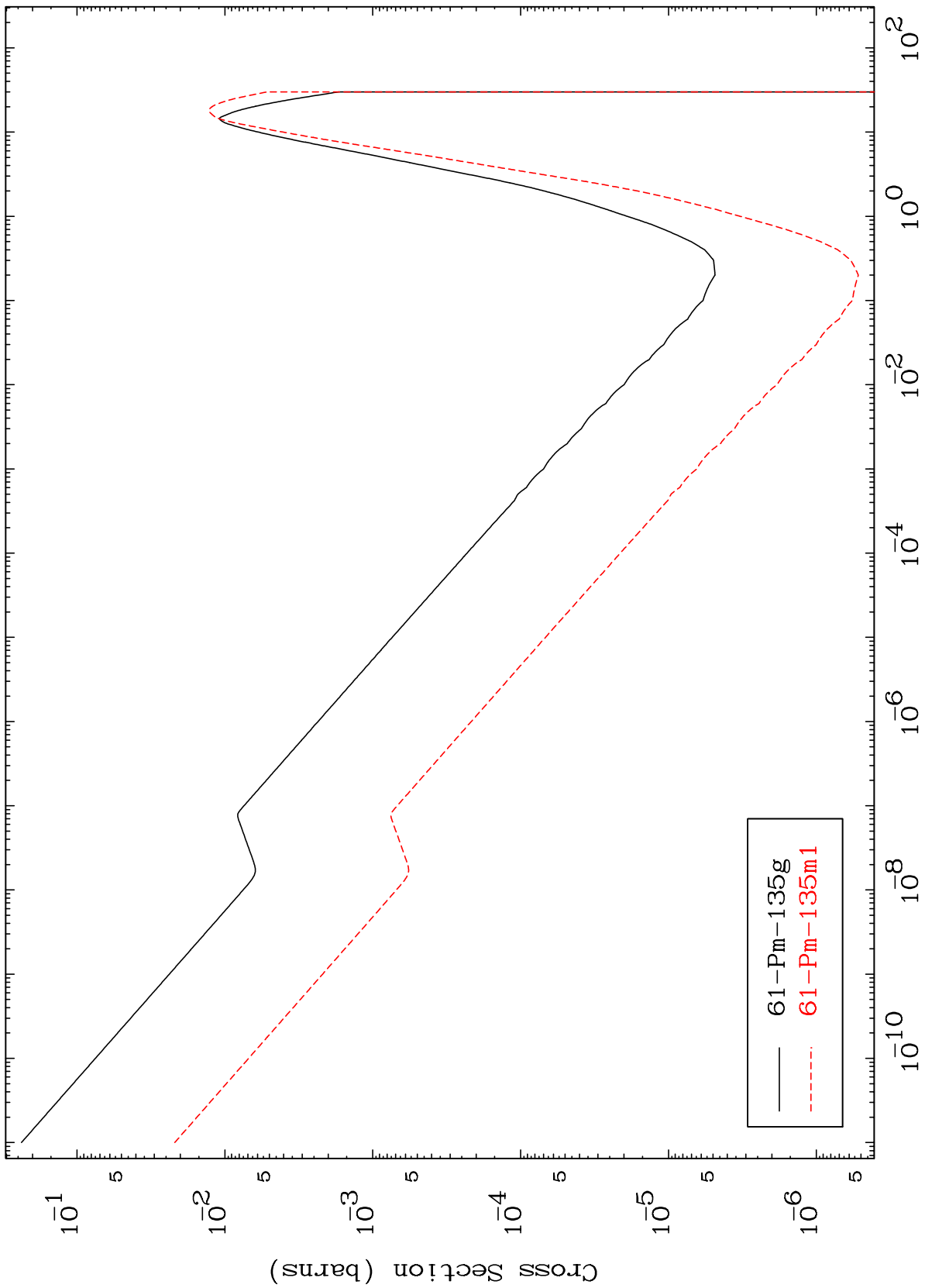
64-Gd-139

MAT 6387

(n,p) α

64-Gd-139

Radionuclide Production Cross Section



25

Incident Energy (MeV)

64-Gd-139

MAT 6387

(n,d) α

64-Gd-139

Radionuclide Production Cross Section

