

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

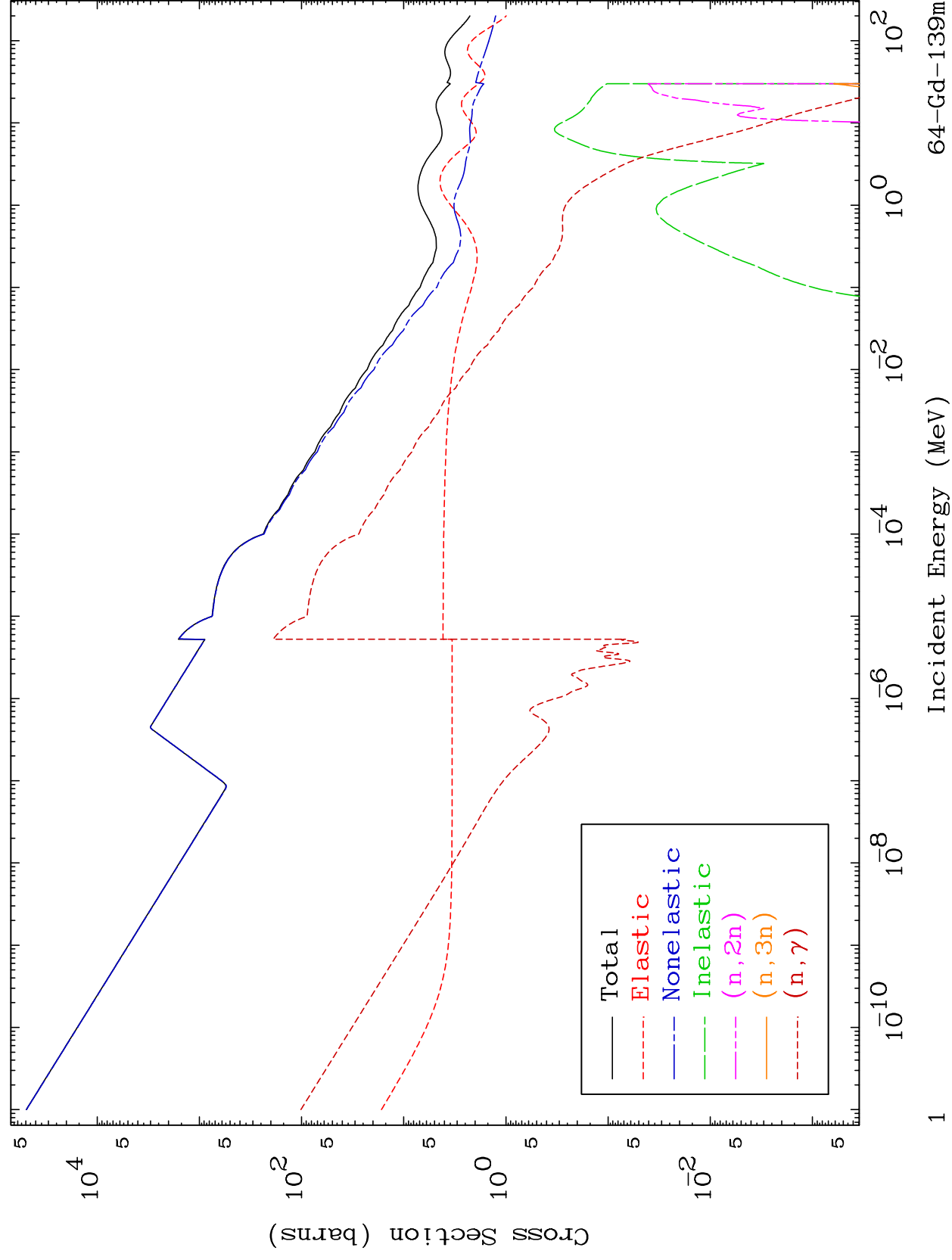
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6387

Neutron Major
293 Kelvin Cross Sections

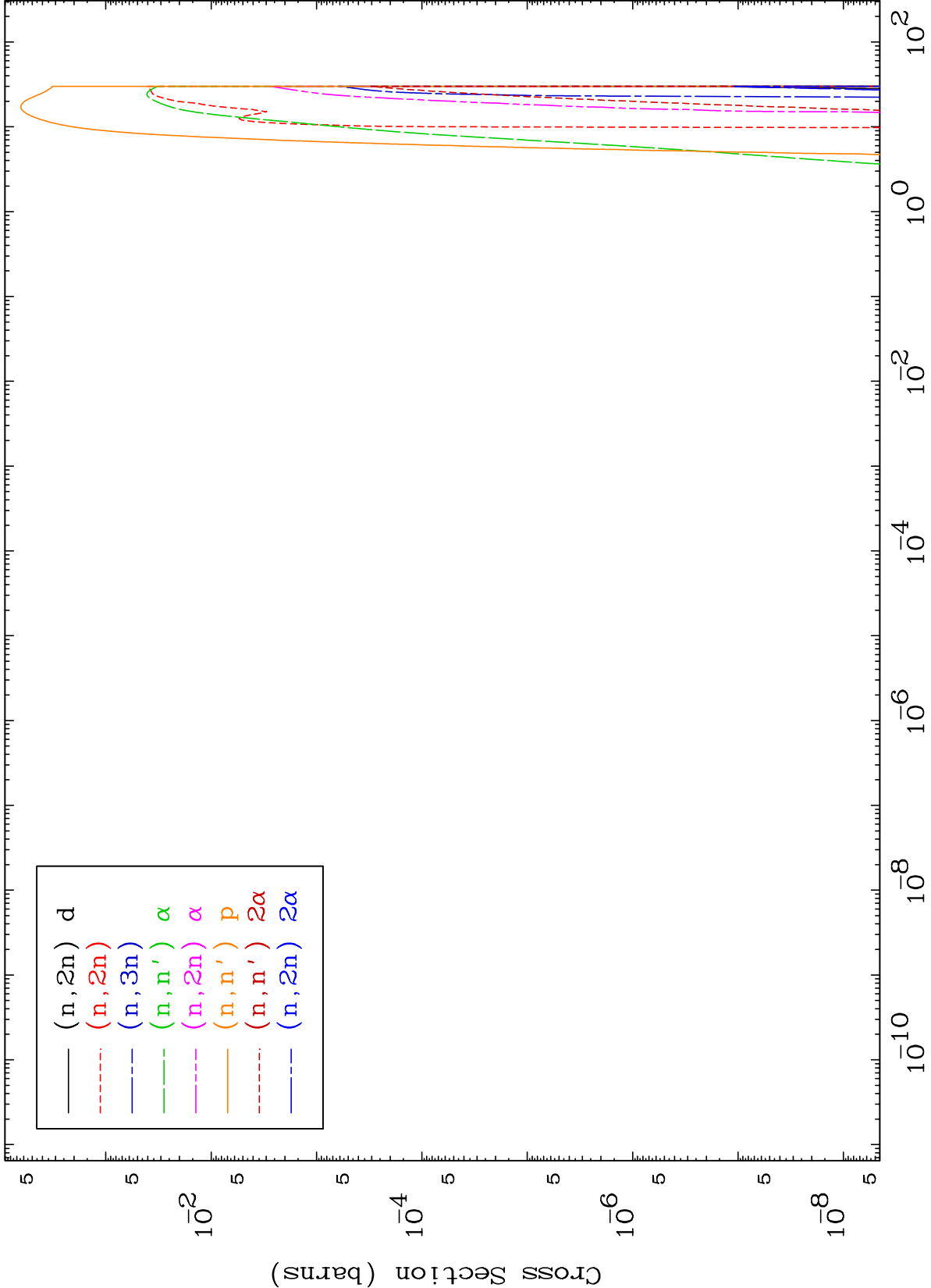
64-Gd-139m

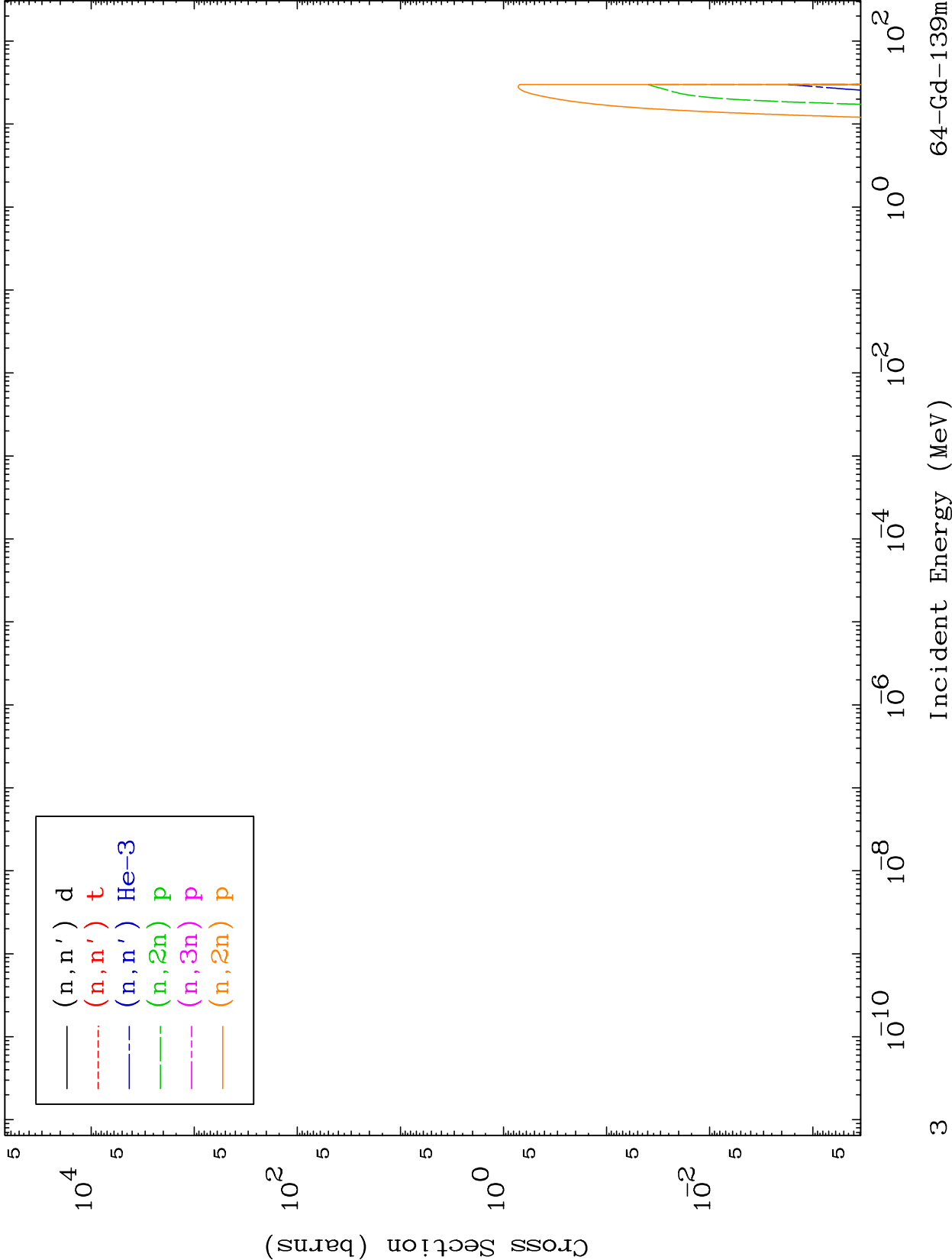


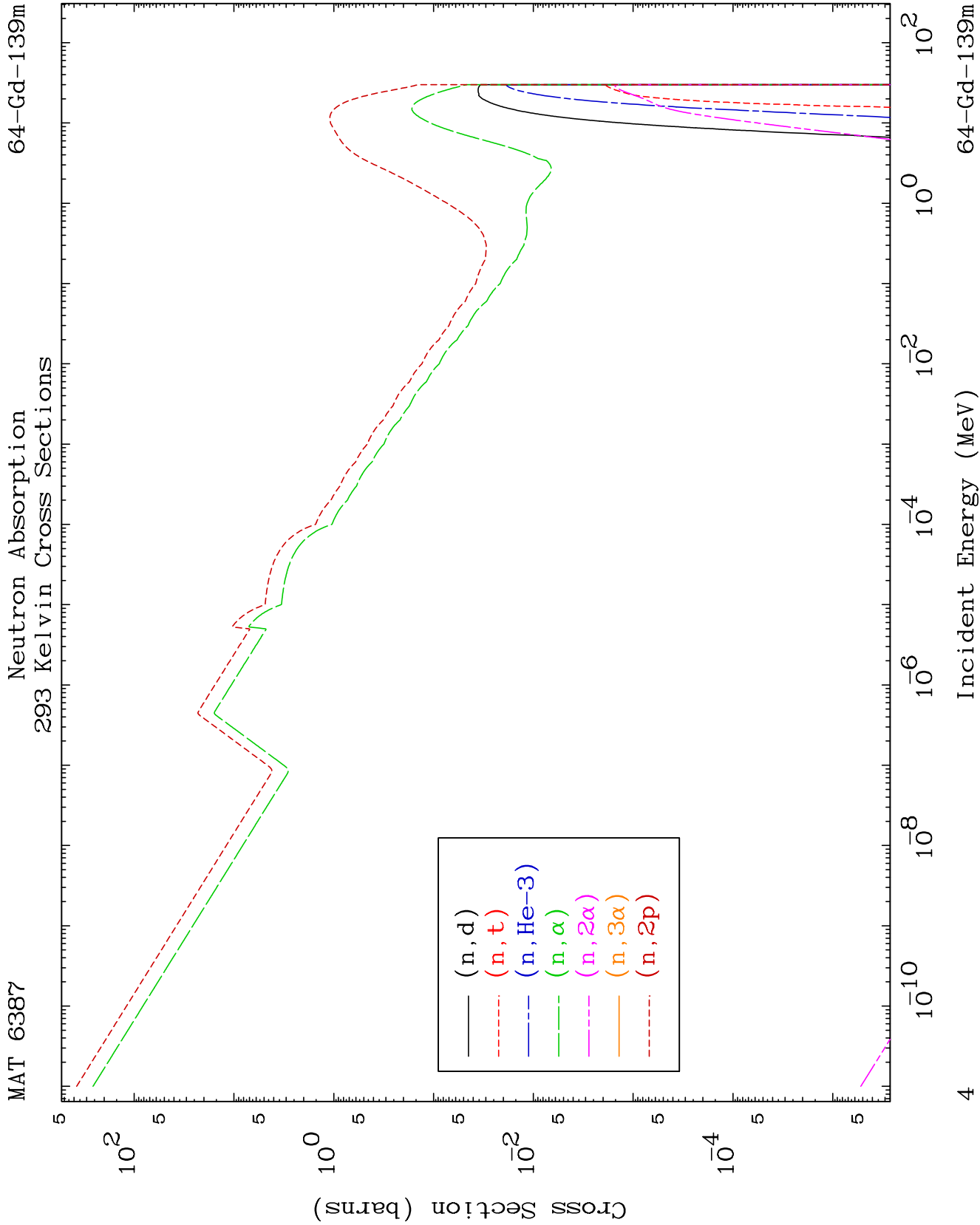
MAT 6387

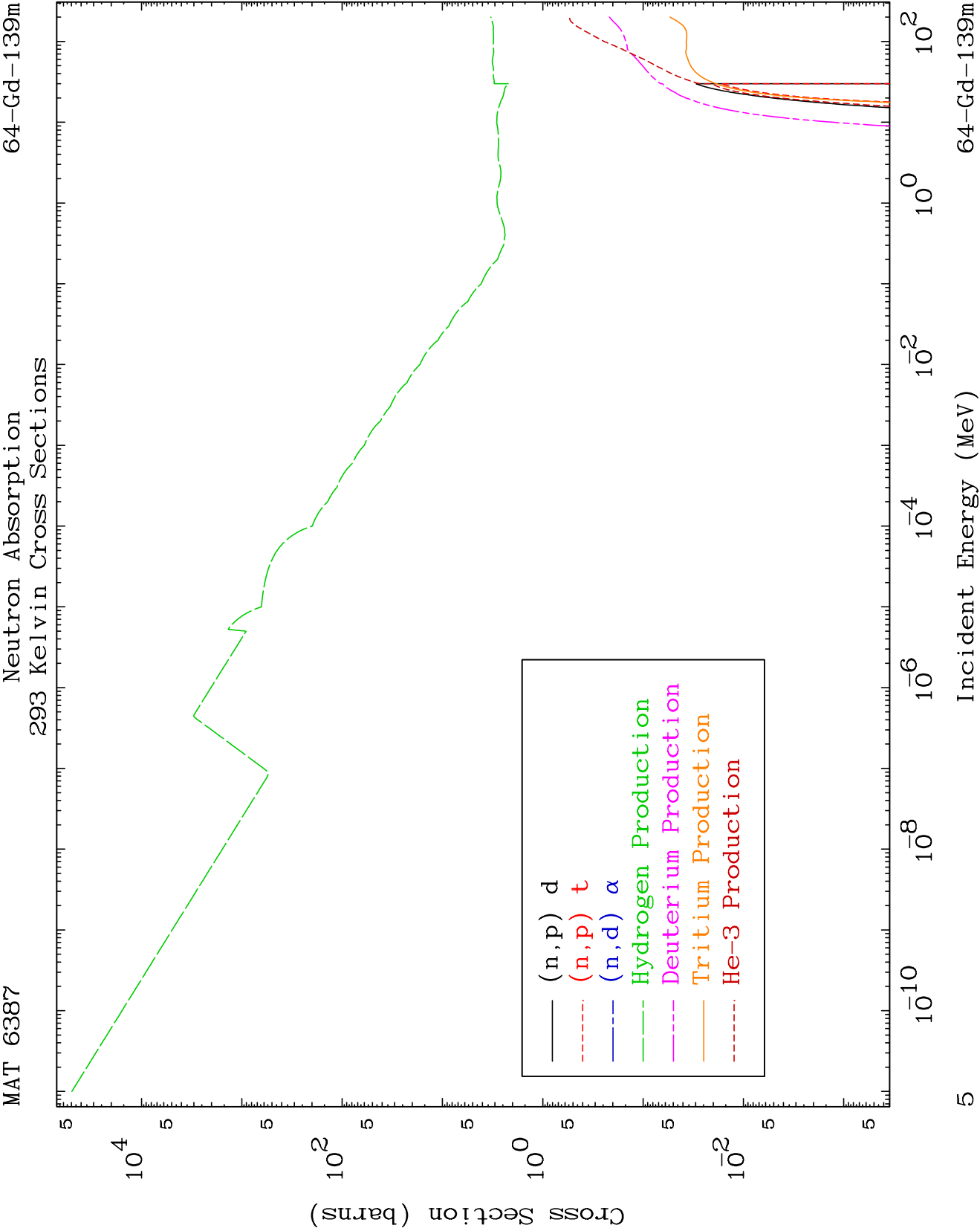
Neutron Absorption
293 Kelvin Cross Sections

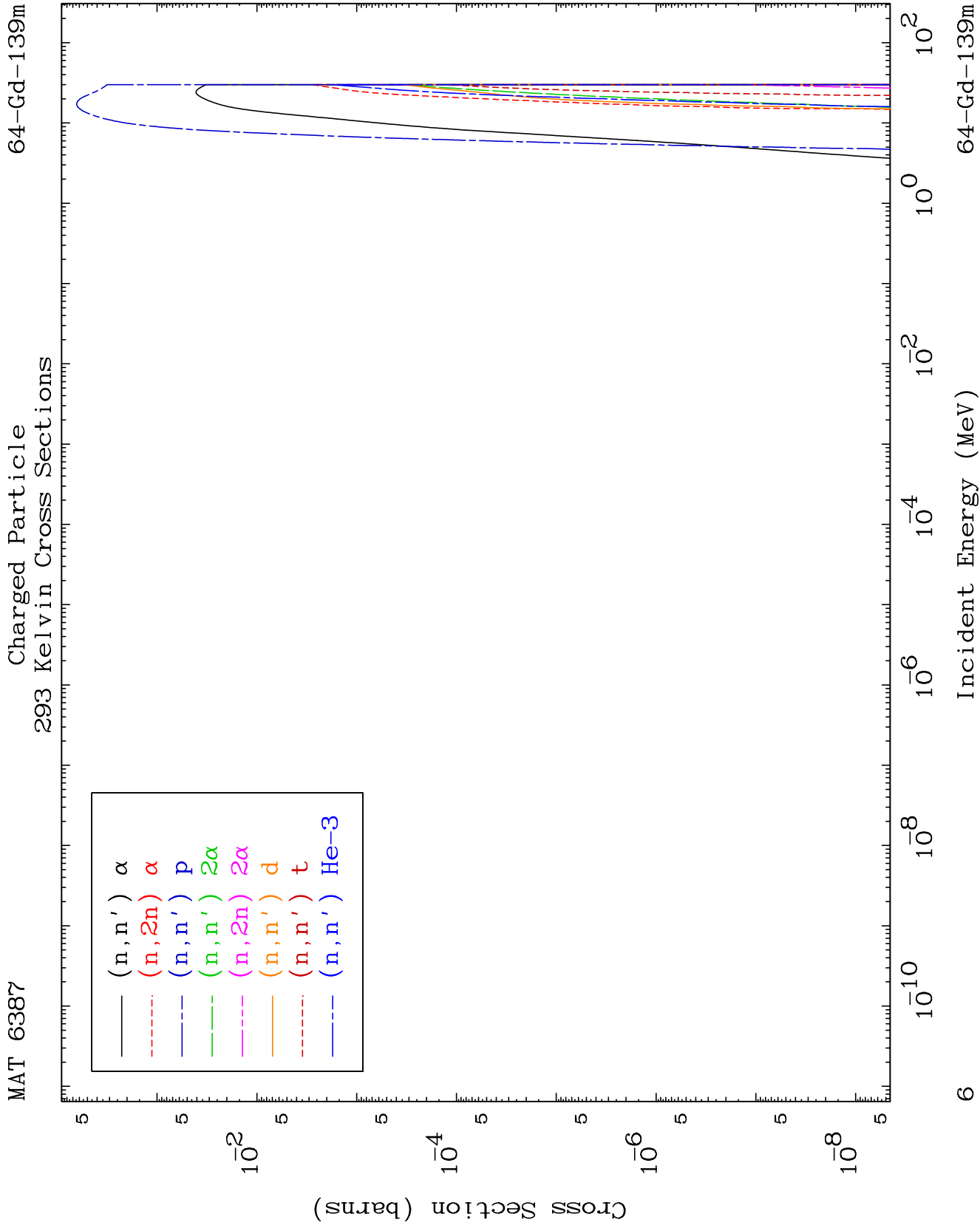
64-Gd-139m

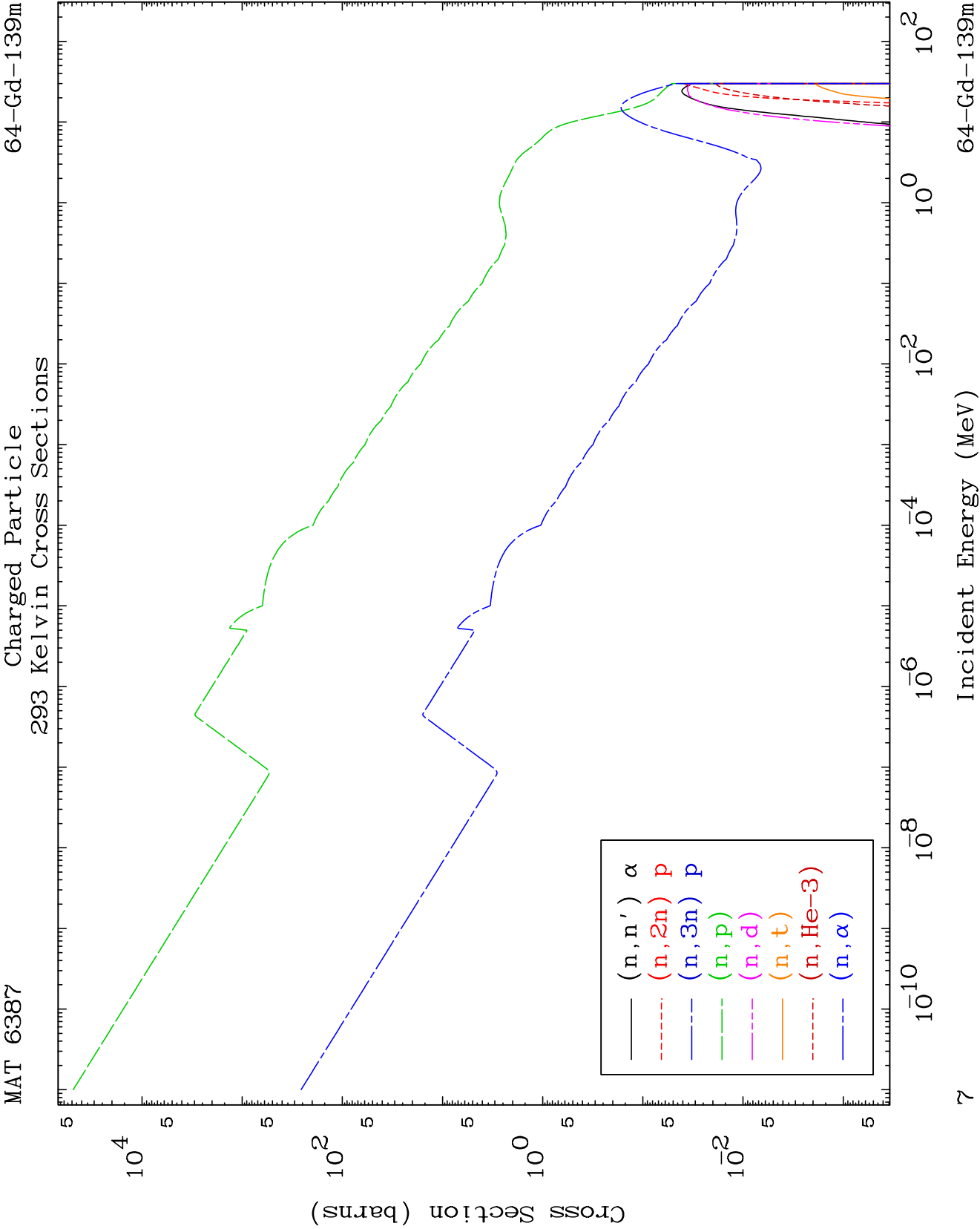


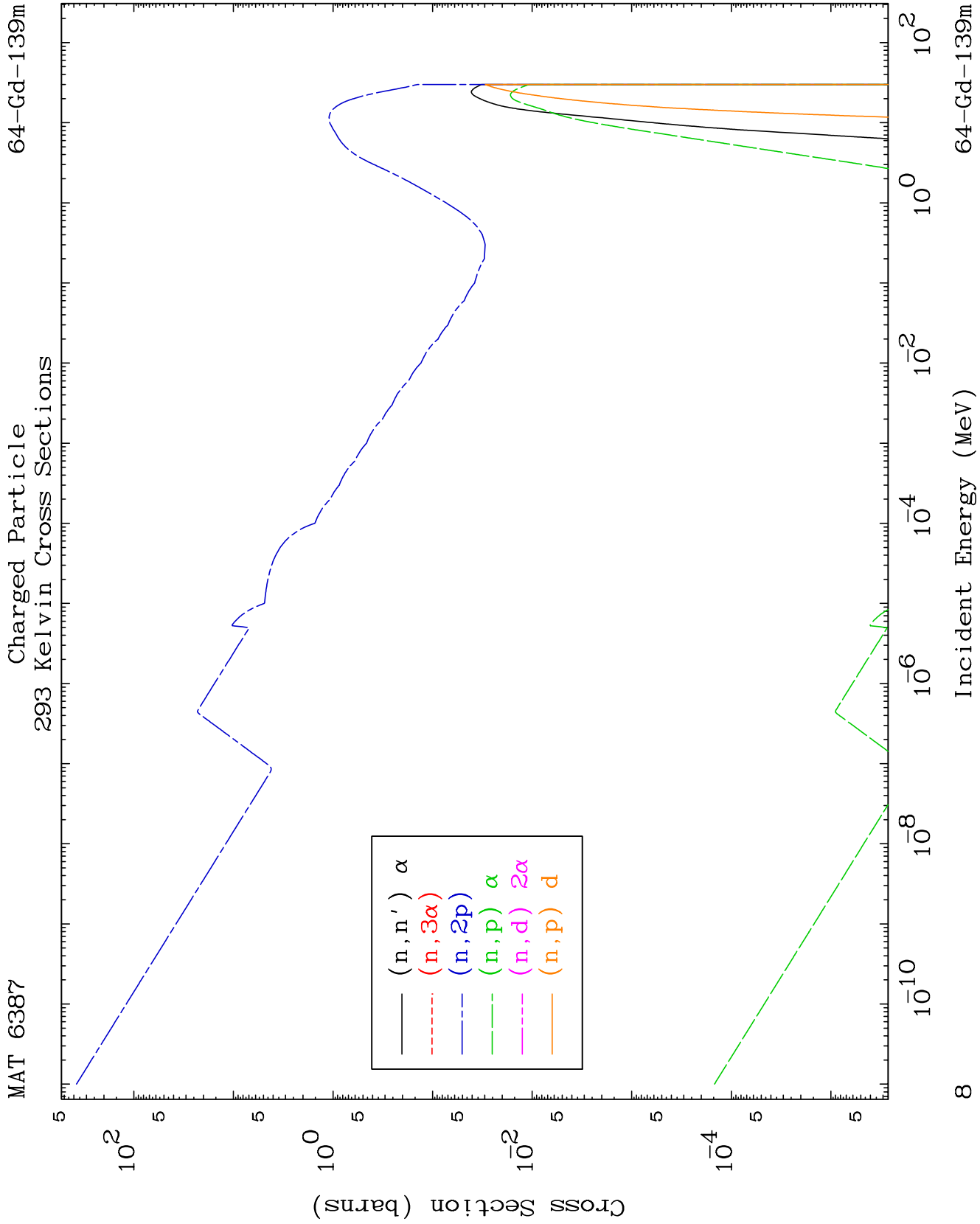


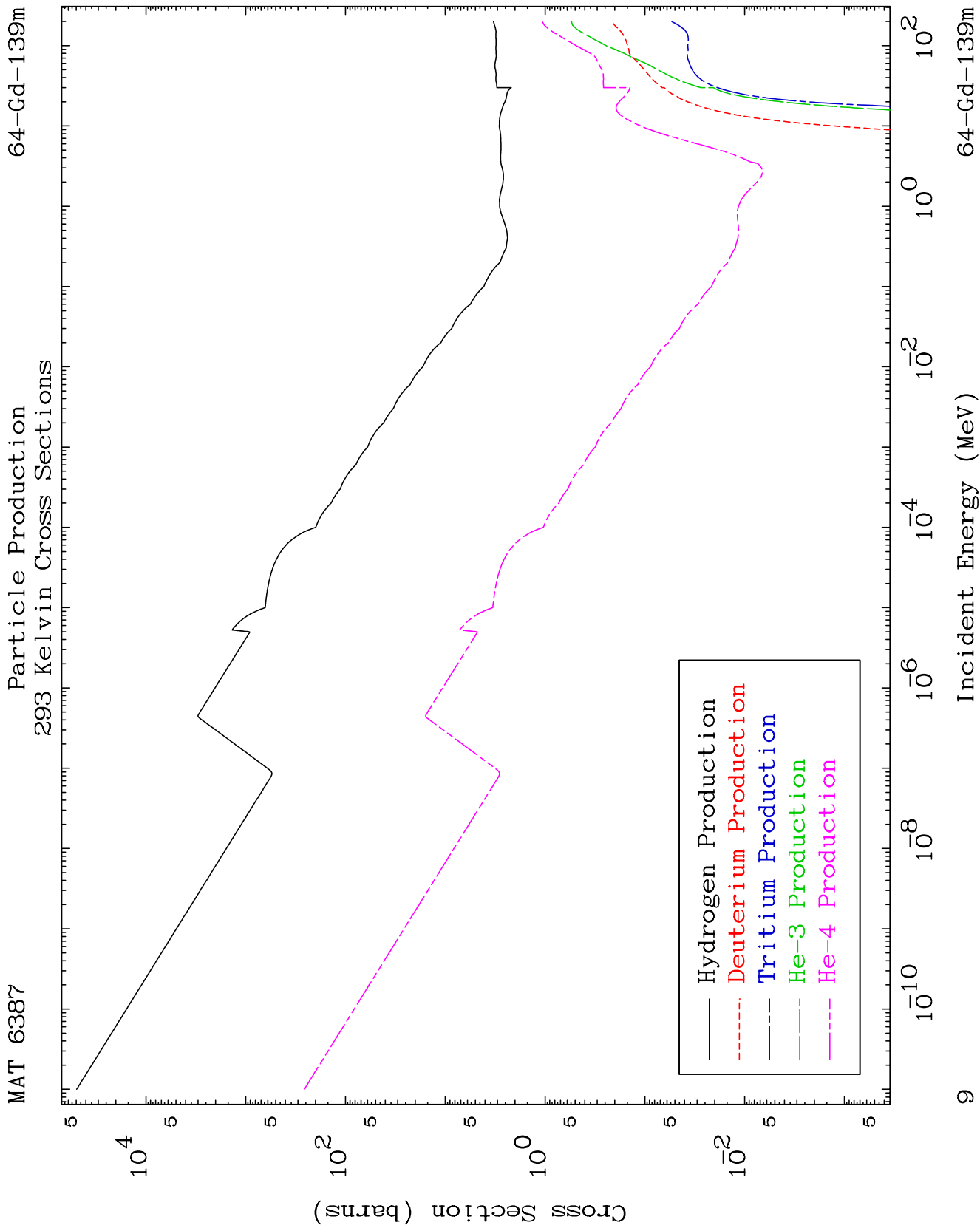


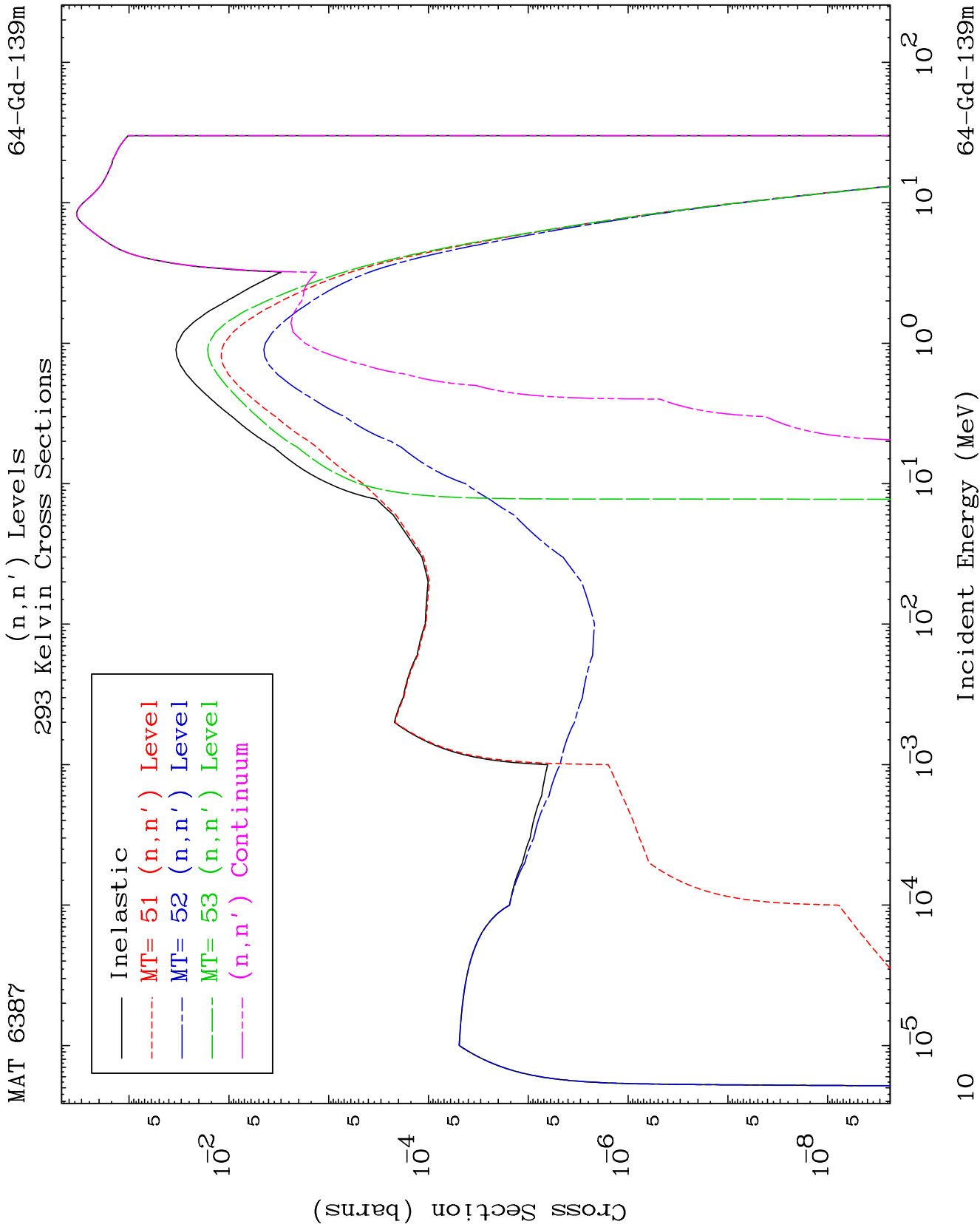


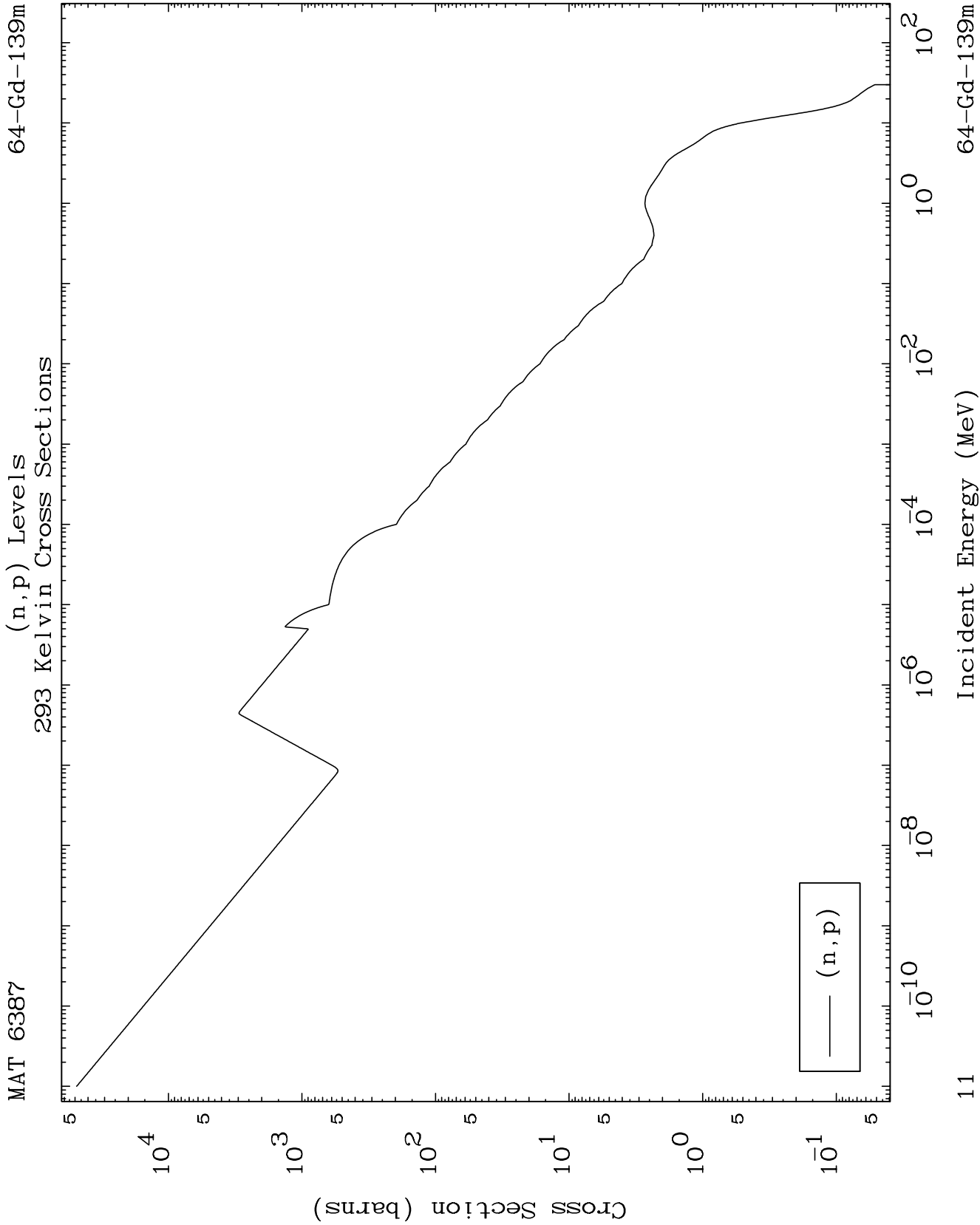


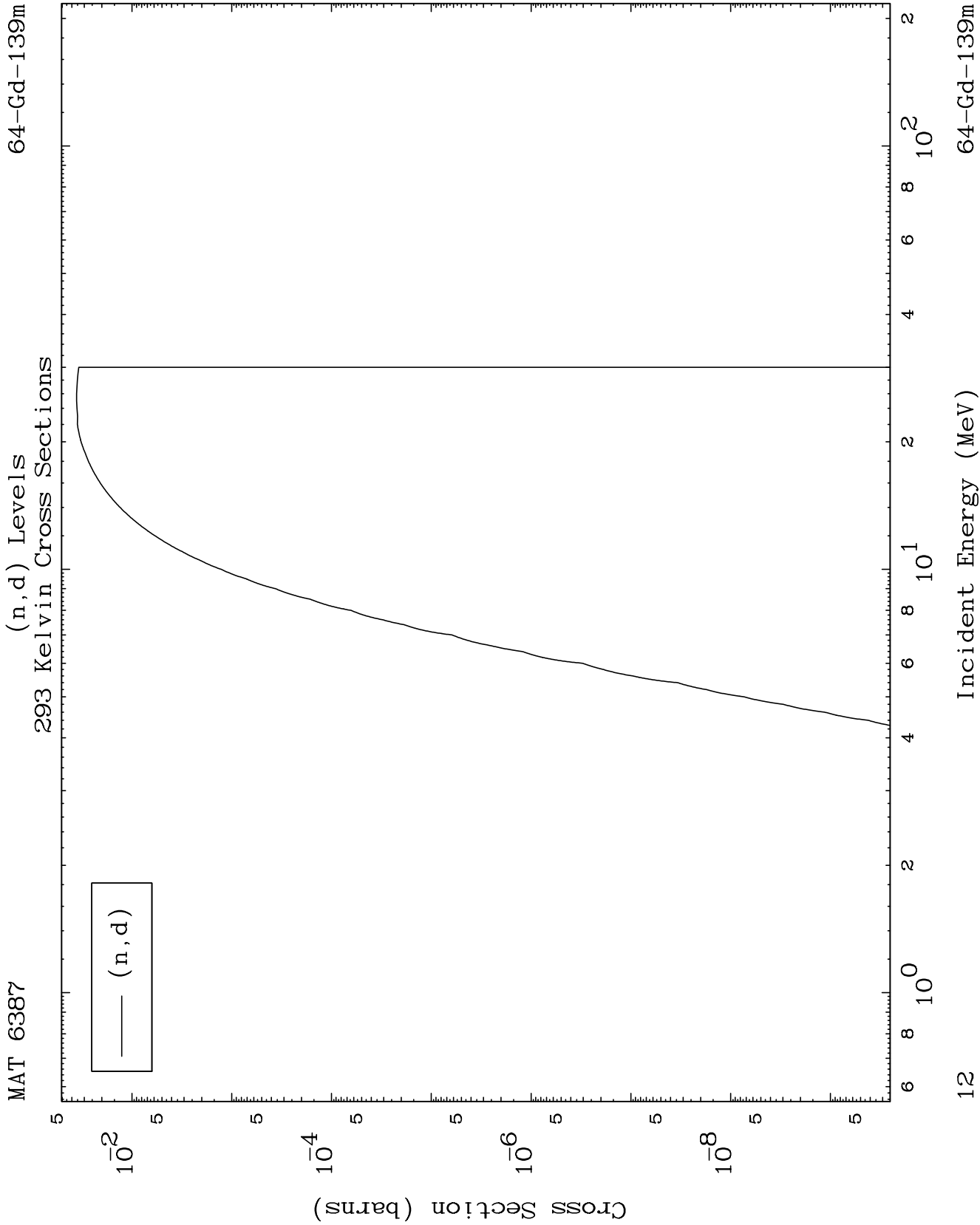








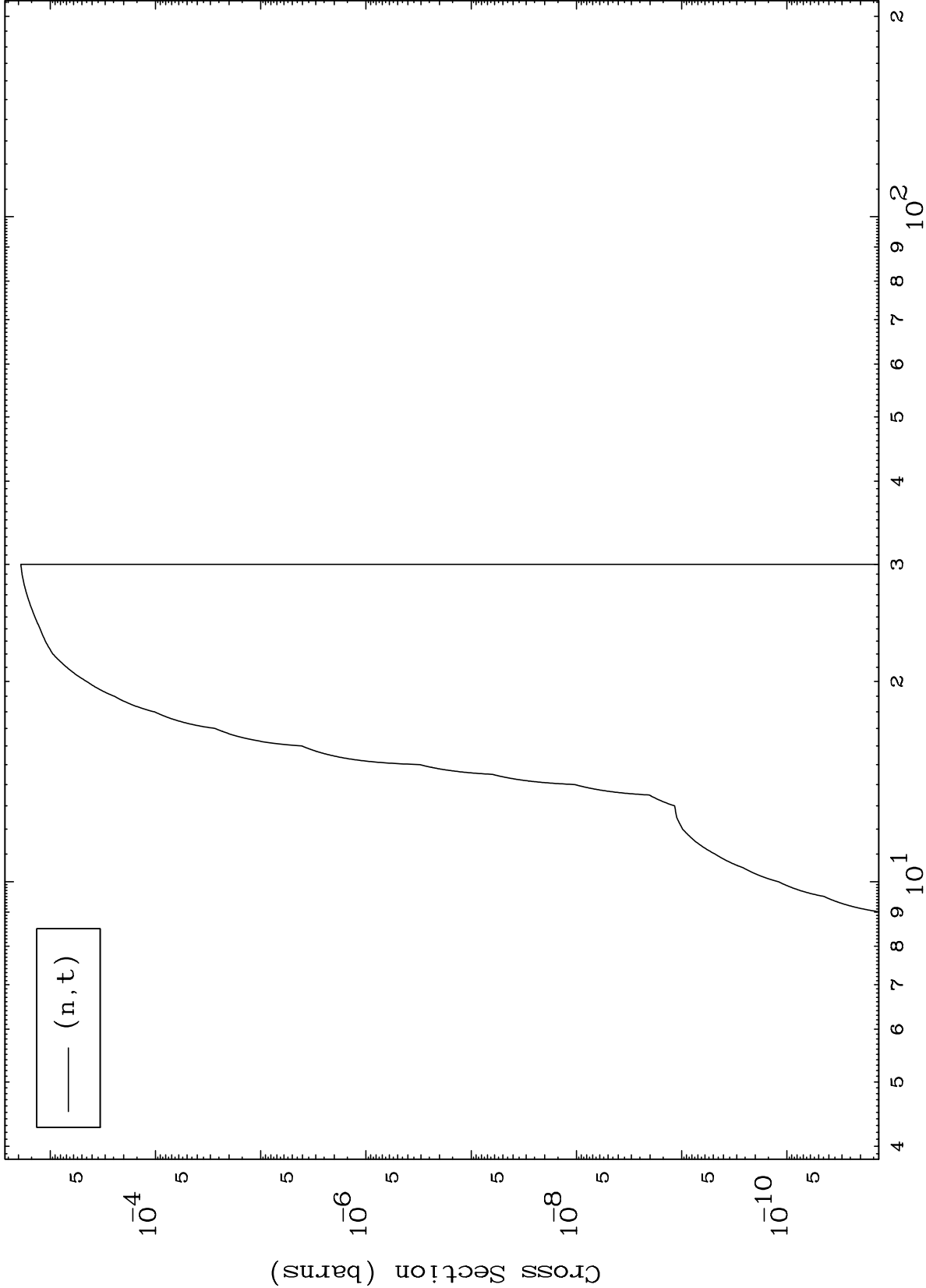




MAT 6387

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-139m



Incident Energy (MeV)

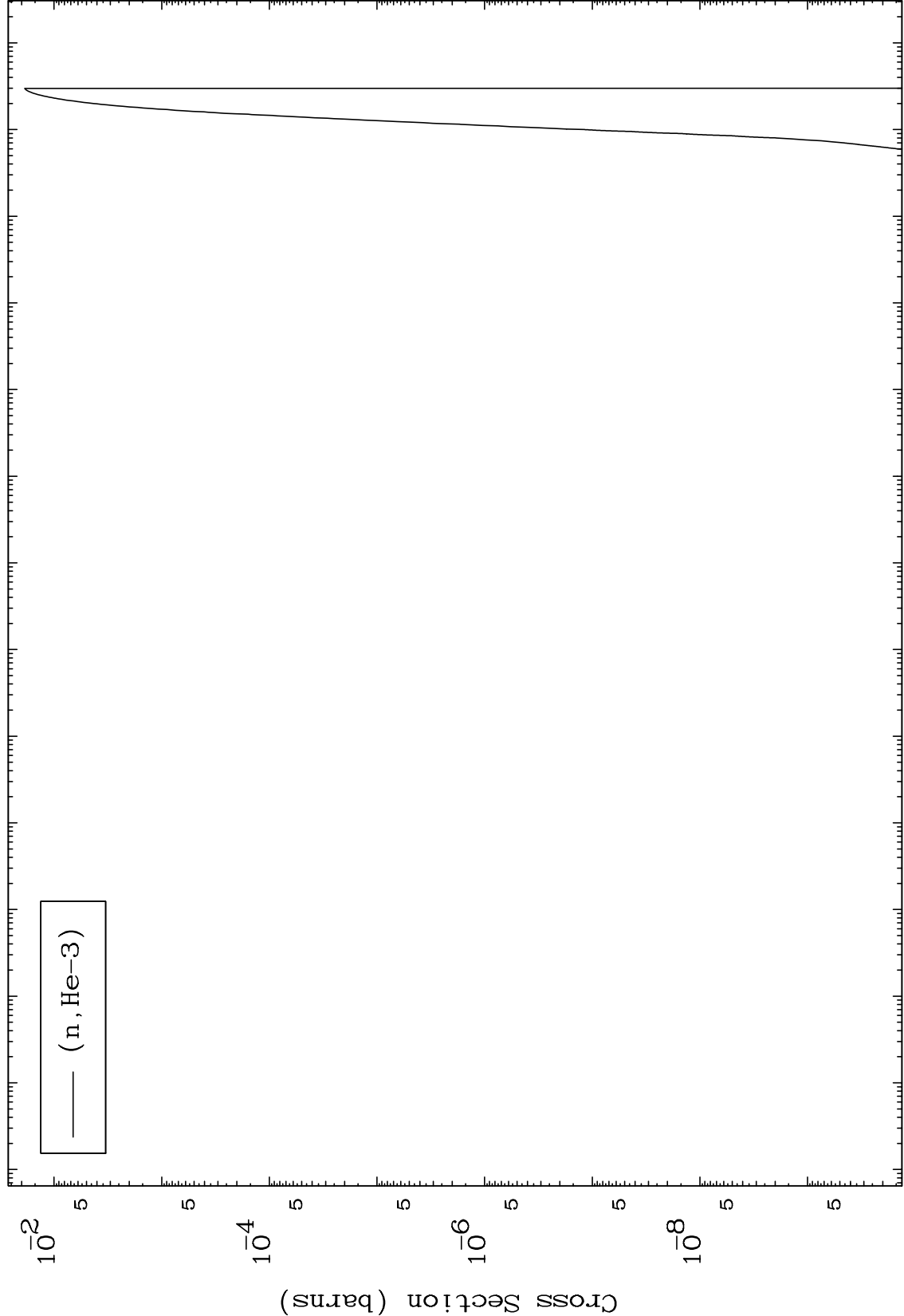
64-Gd-139m

13

MAT 6387

(n,He3) Levels
293 Kelvin Cross Sections

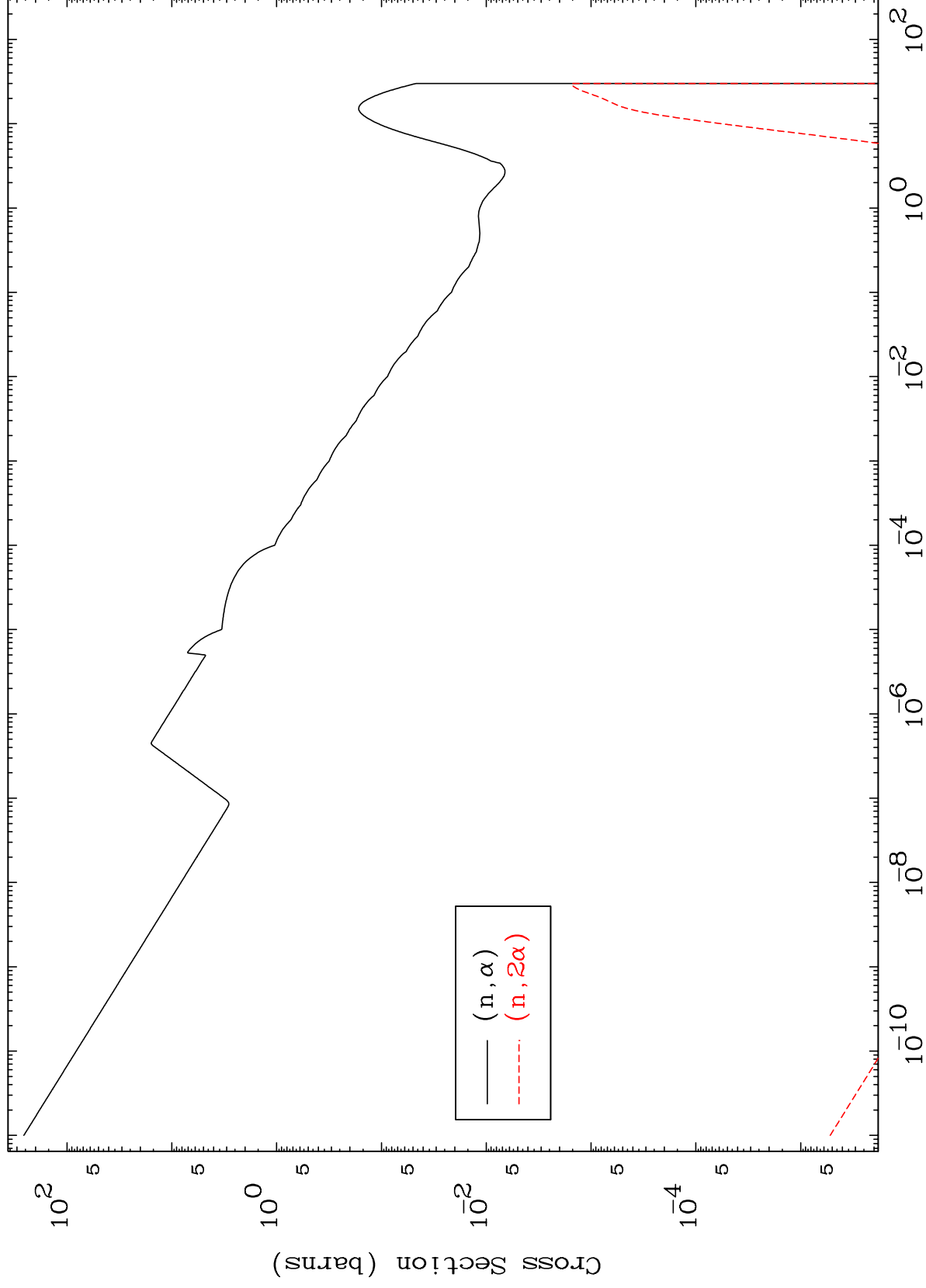
64-Gd-139m



MAT 6387

(n, α) Levels
293 Kelvin Cross Sections

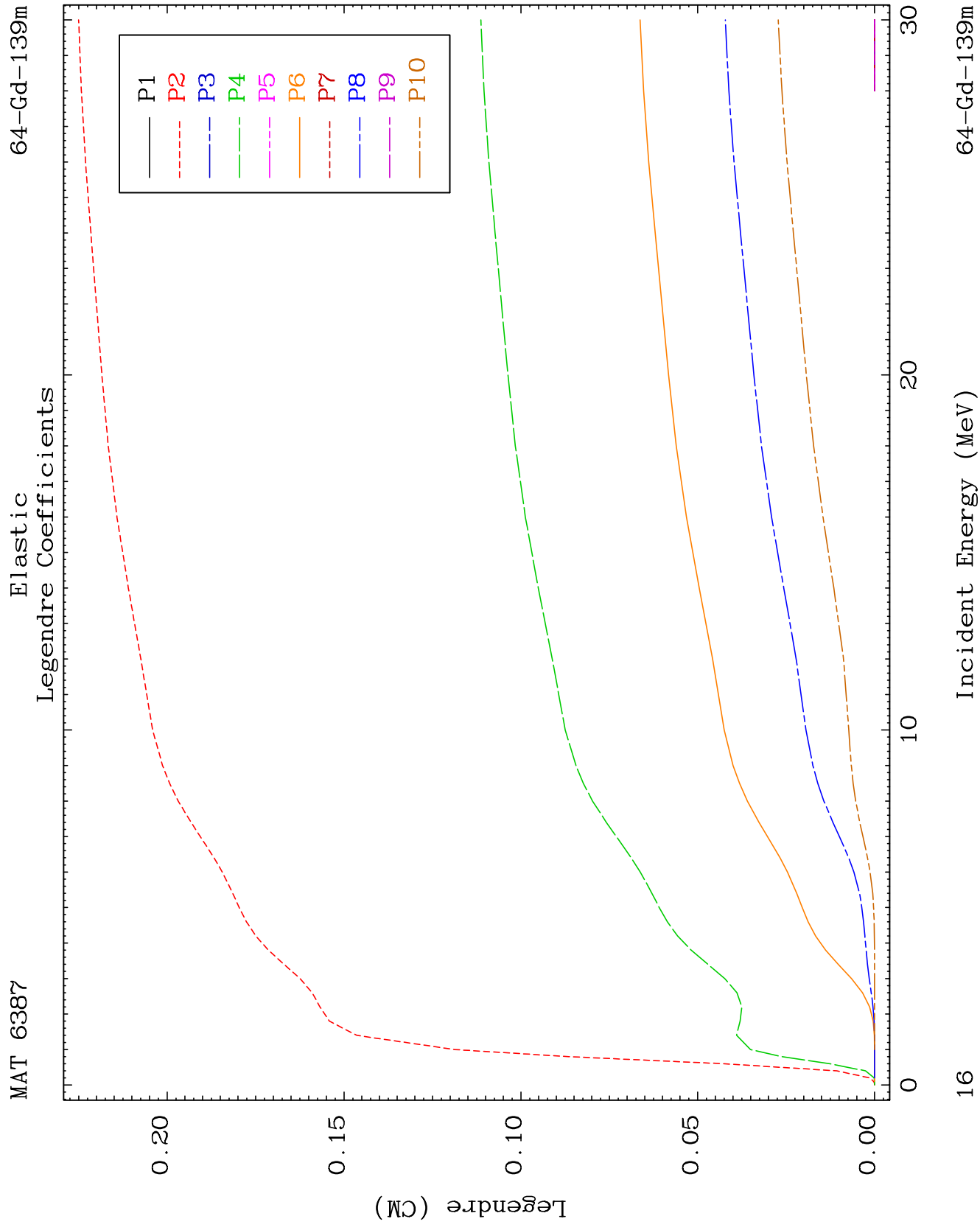
64-Gd-139m



15

Incident Energy (MeV)

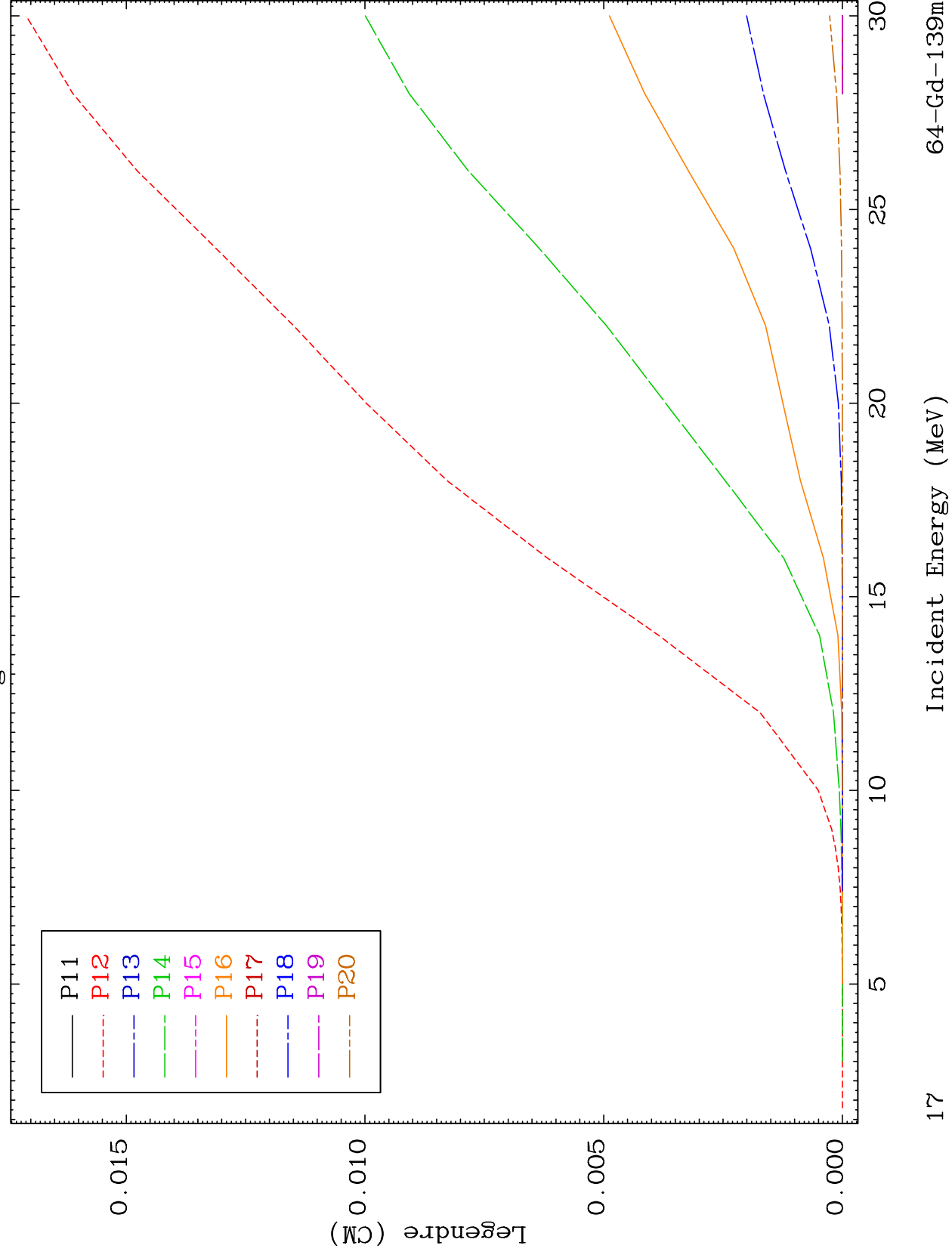
64-Gd-139m

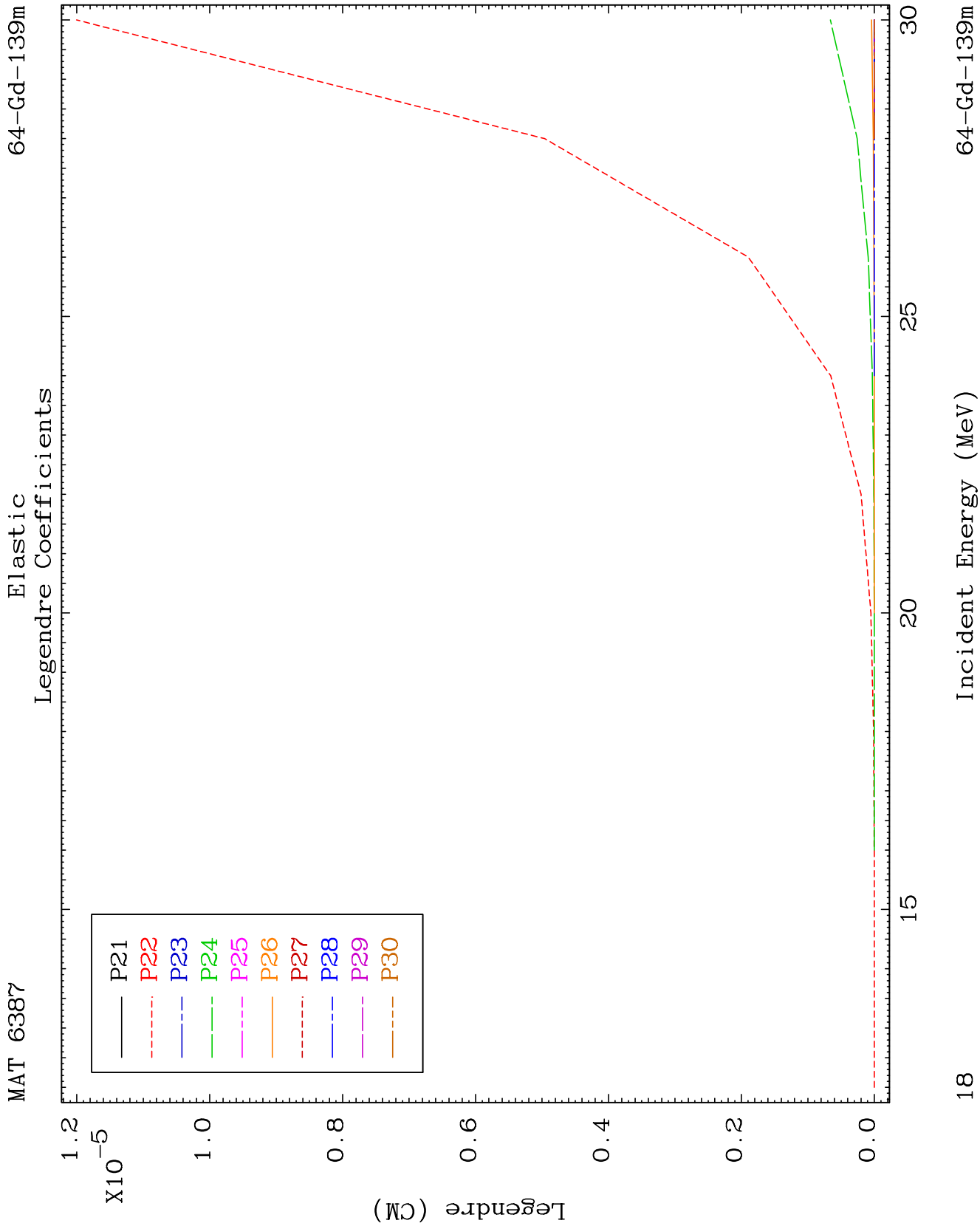


MAT 6387

Elastic Legendre Coefficients

64-Gd-139m

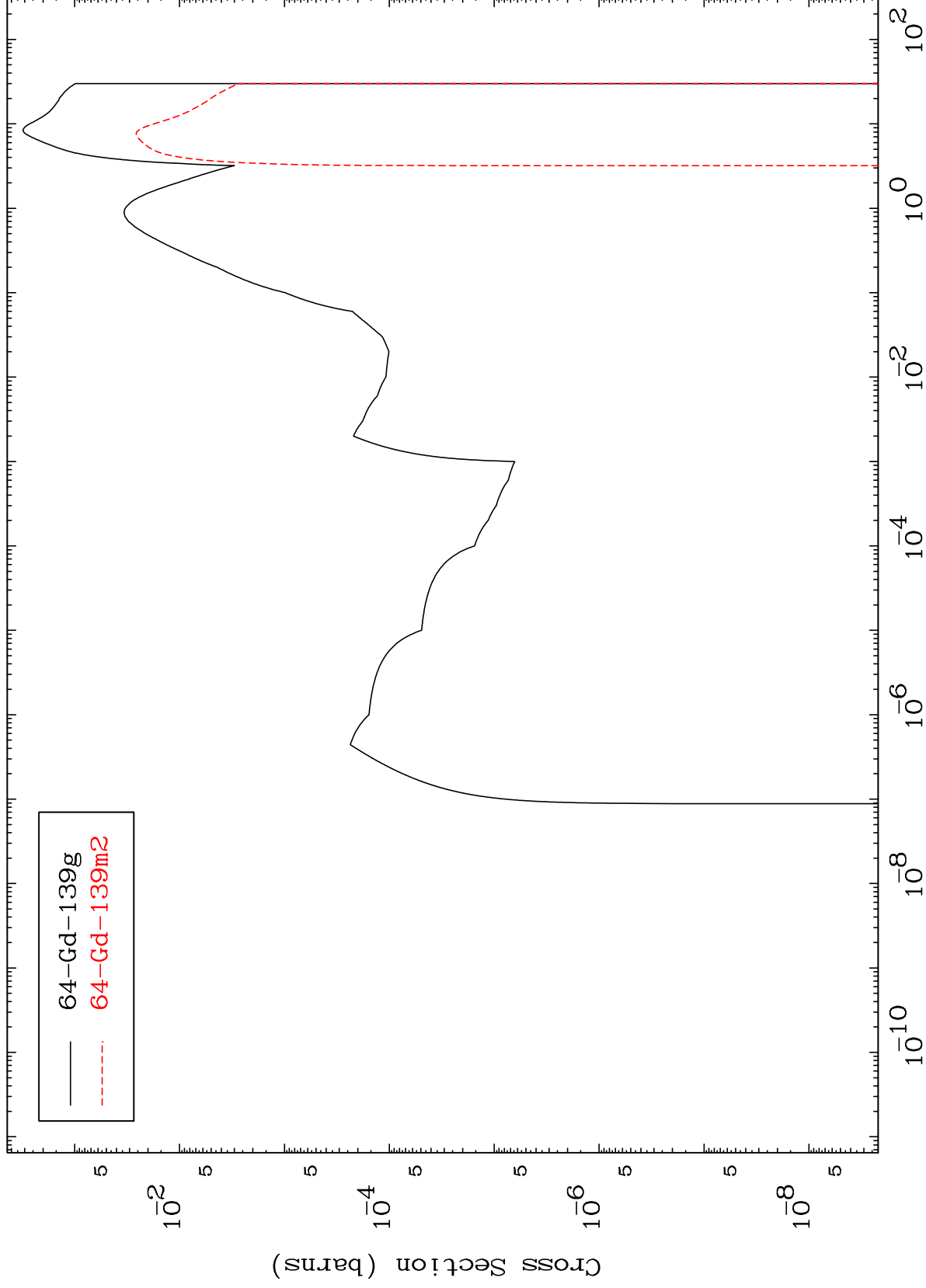




MAT 6387

Radionuclide Production Cross Section

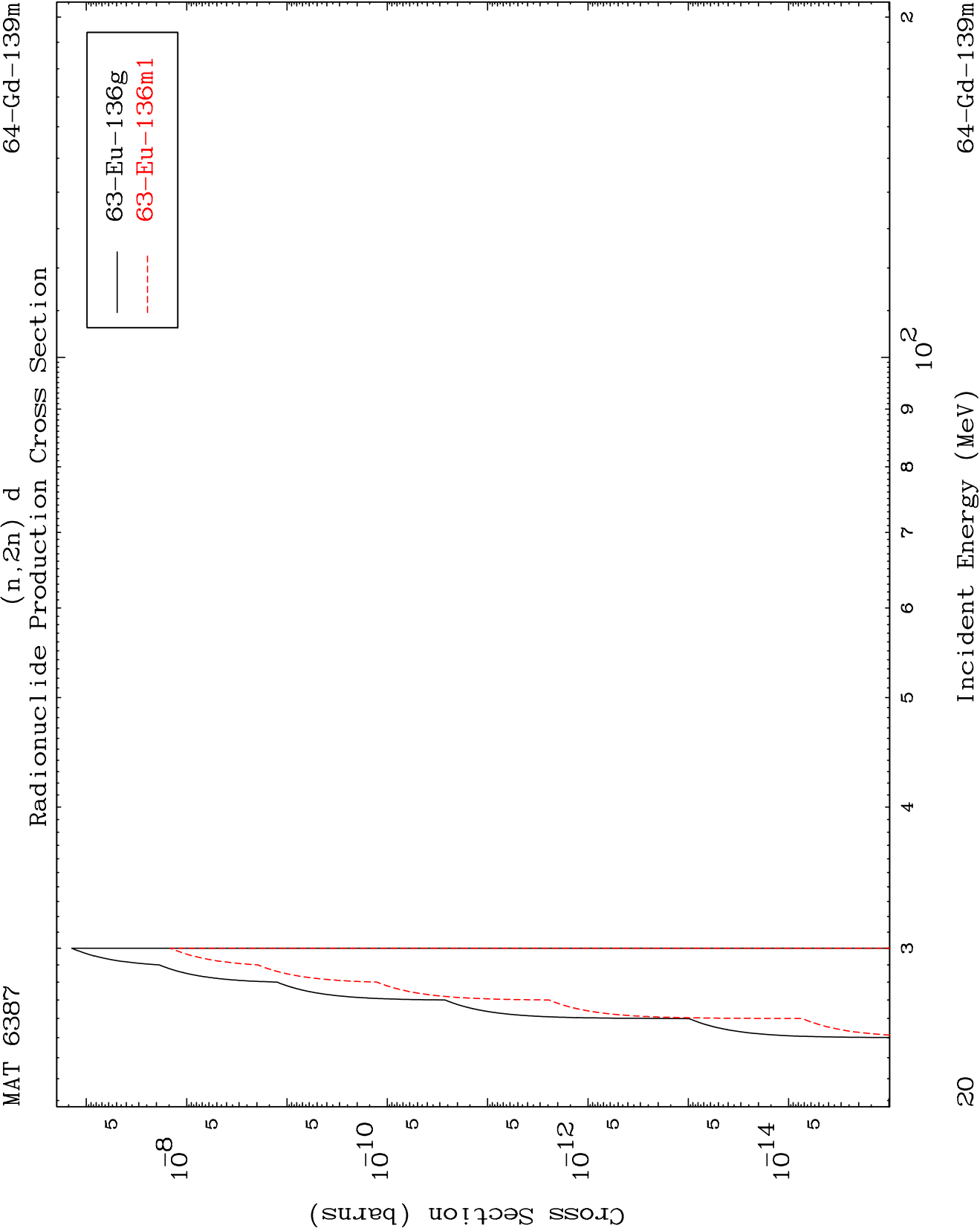
64-Gd-139m



19

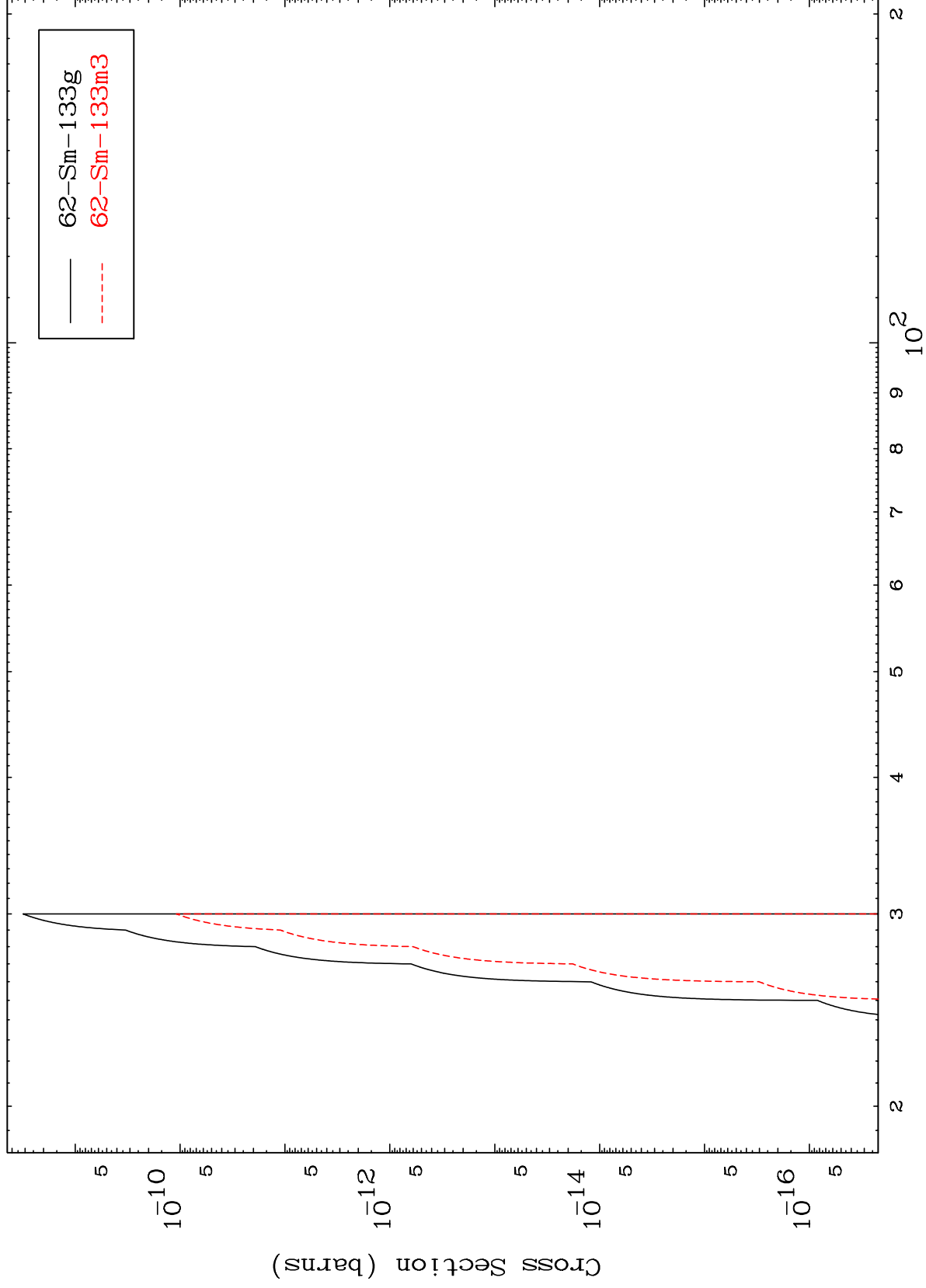
Incident Energy (MeV)

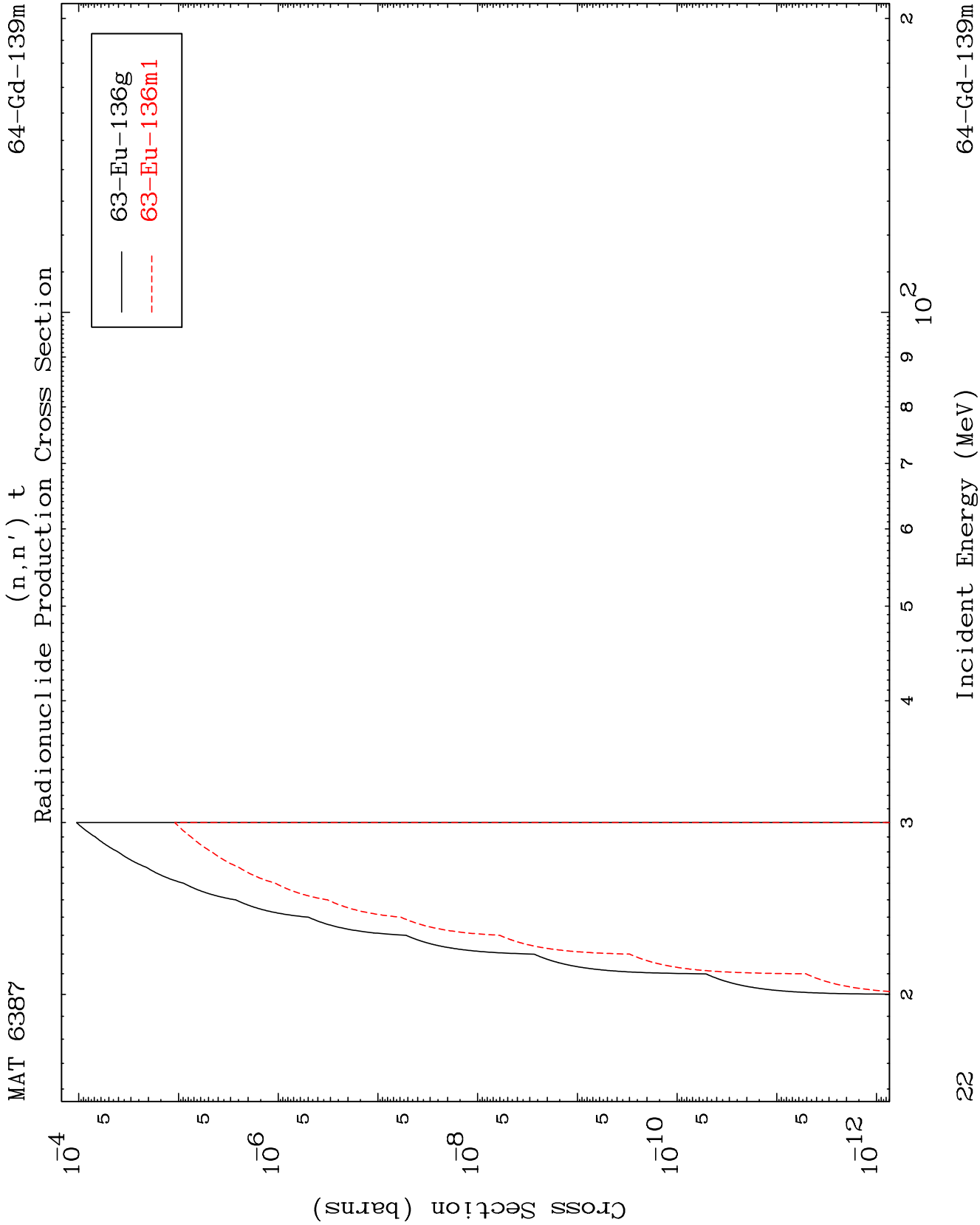
64-Gd-139m

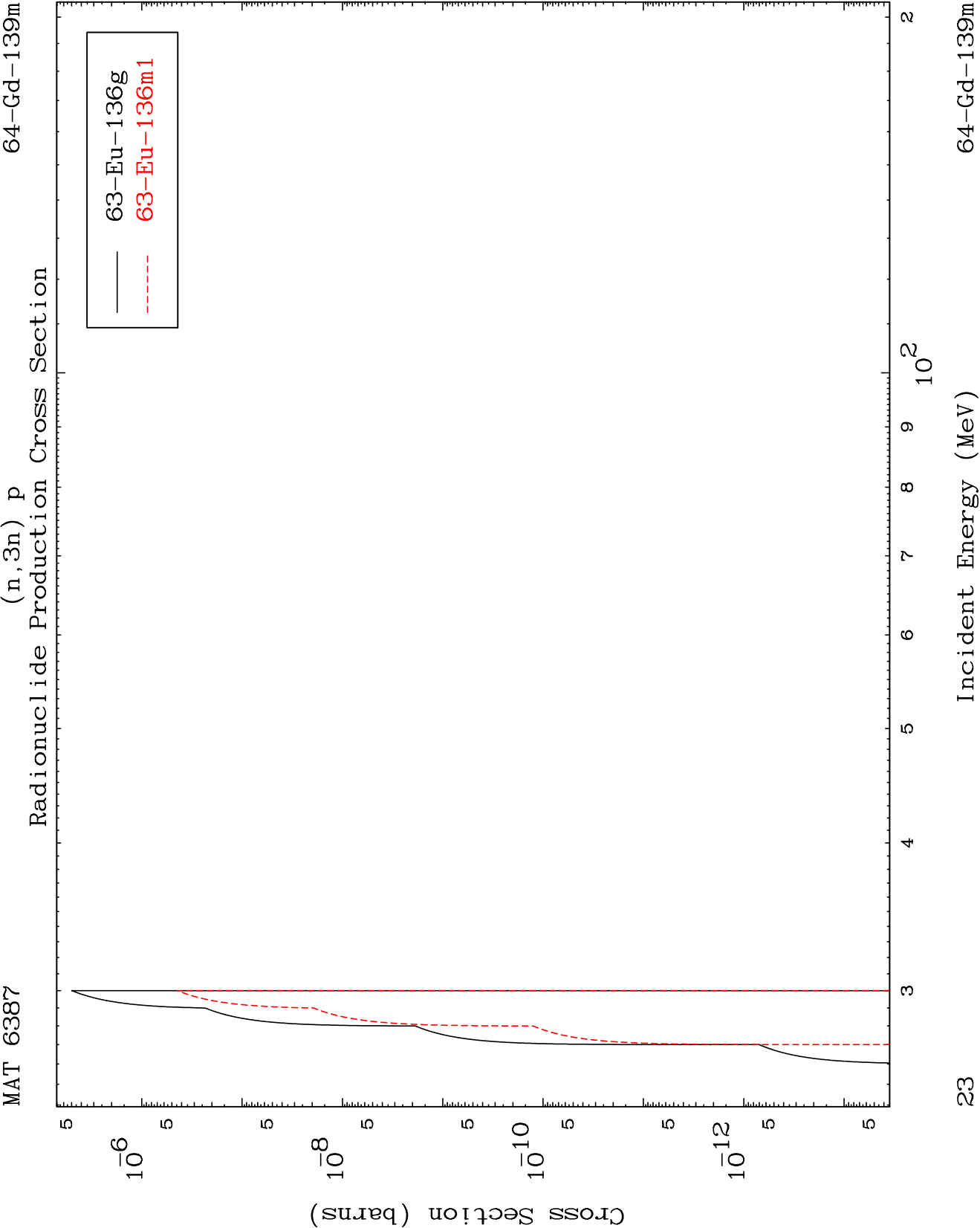


Radionuclide Production Cross Section

(n,3n) α





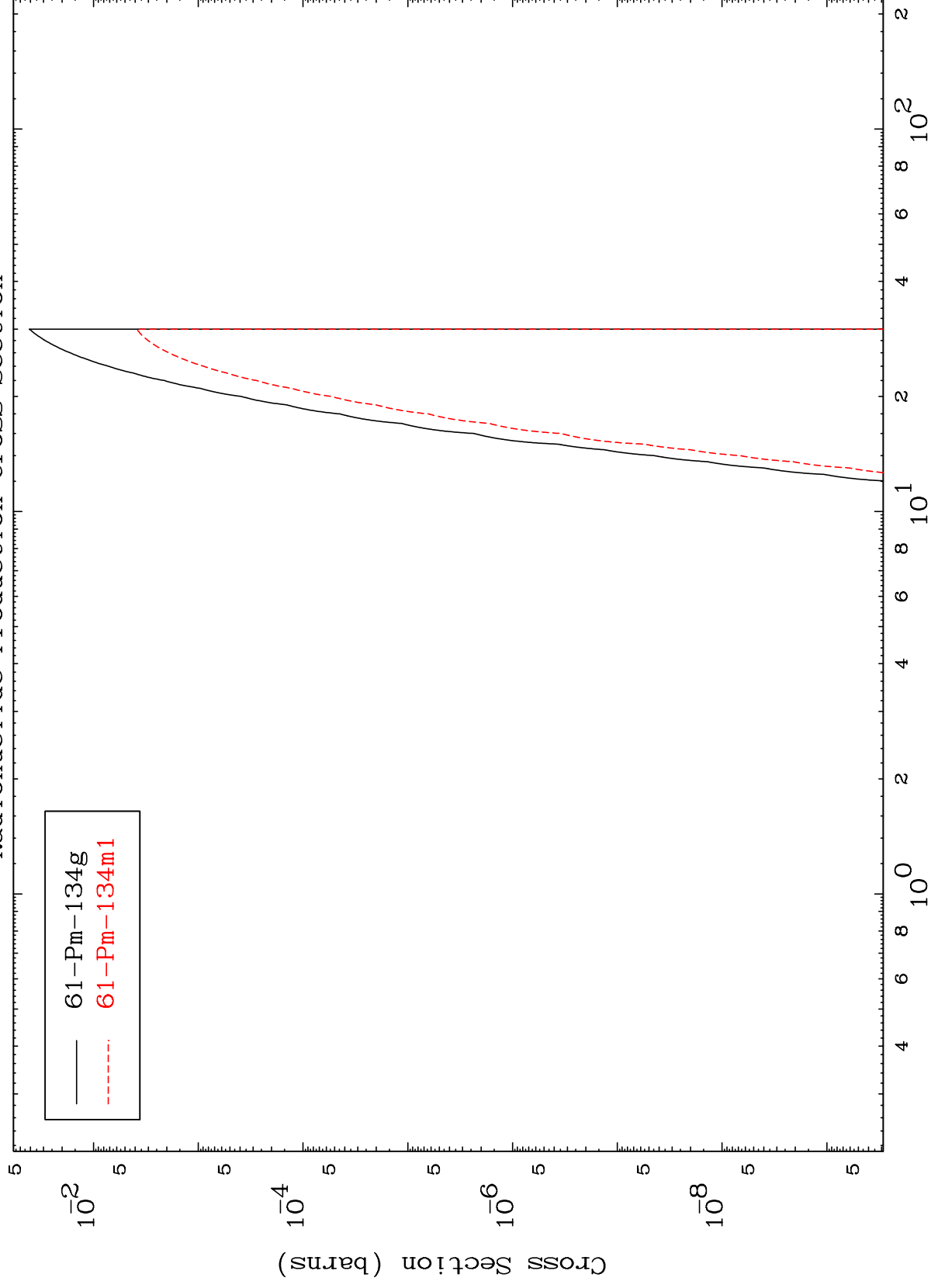


MAT 6387

(n,n') p α

64-Gd-139m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

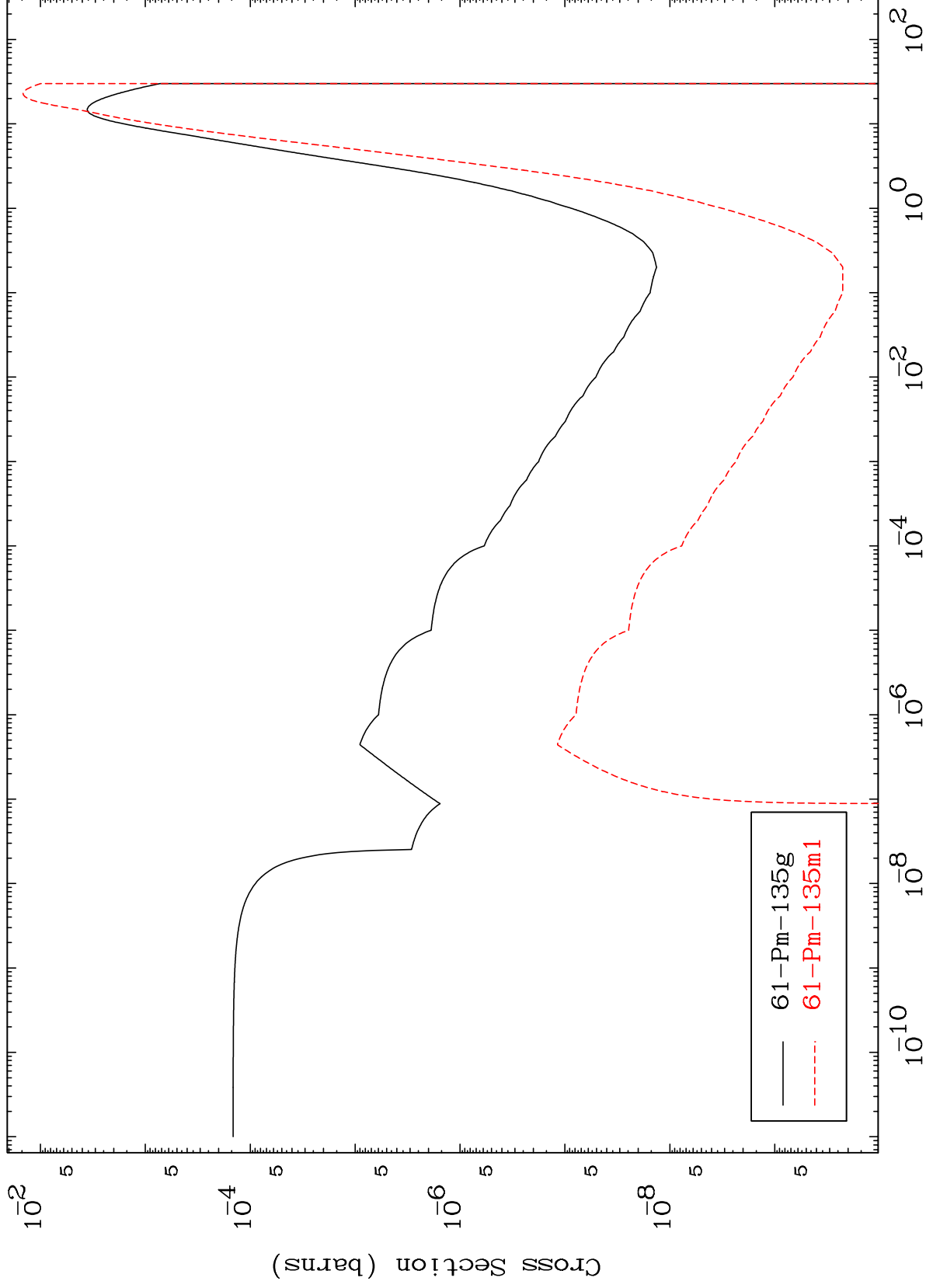
64-Gd-139m

MAT 6387

(n,p) α

64-Gd-139m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

64-Gd-139m

