

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

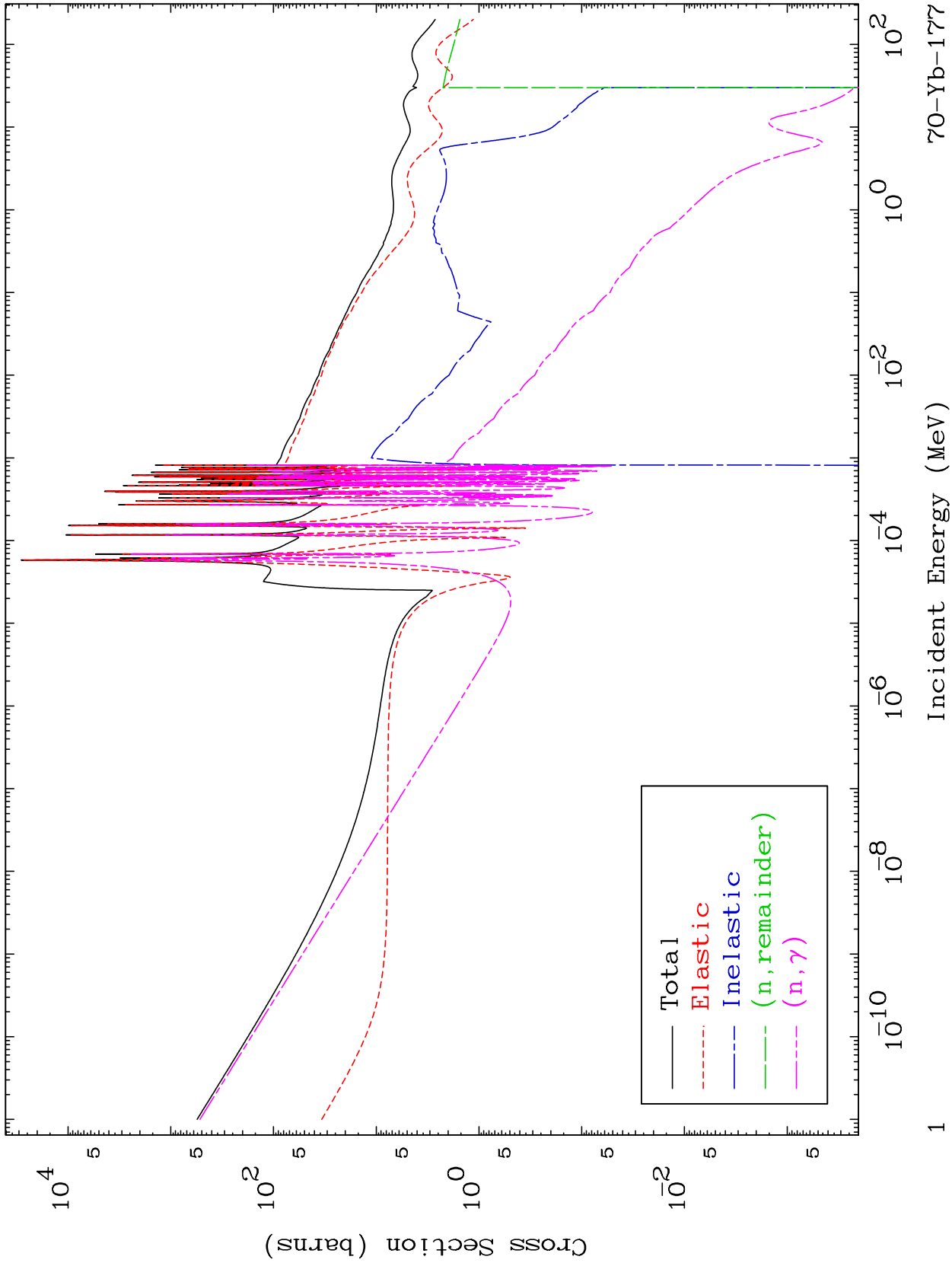
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7053

Major
293 Kelvin Cross Sections

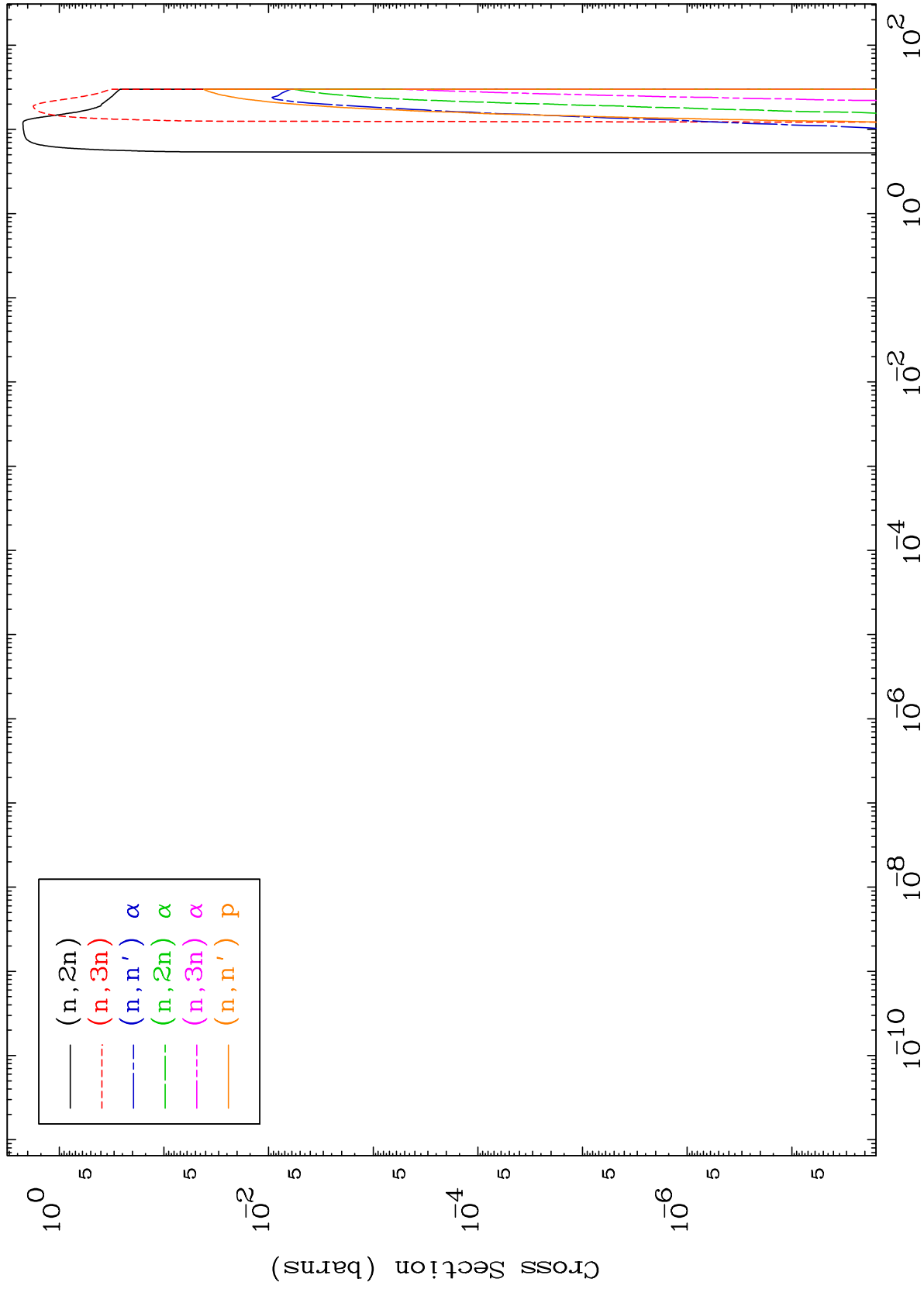
70-Yb-177

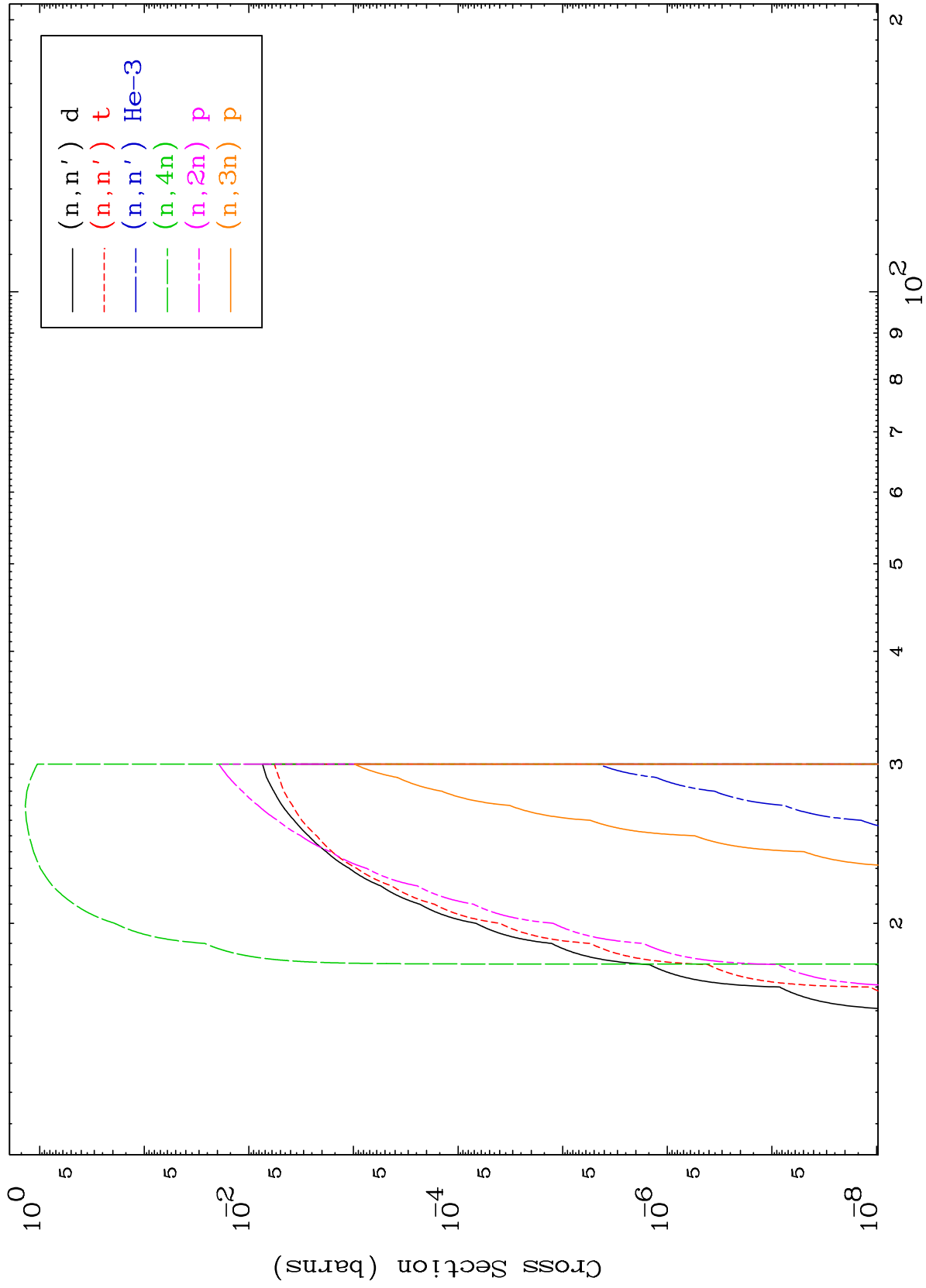


MAT 7053

Neutron Production
293 Kelvin Cross Sections

70-Yb-177

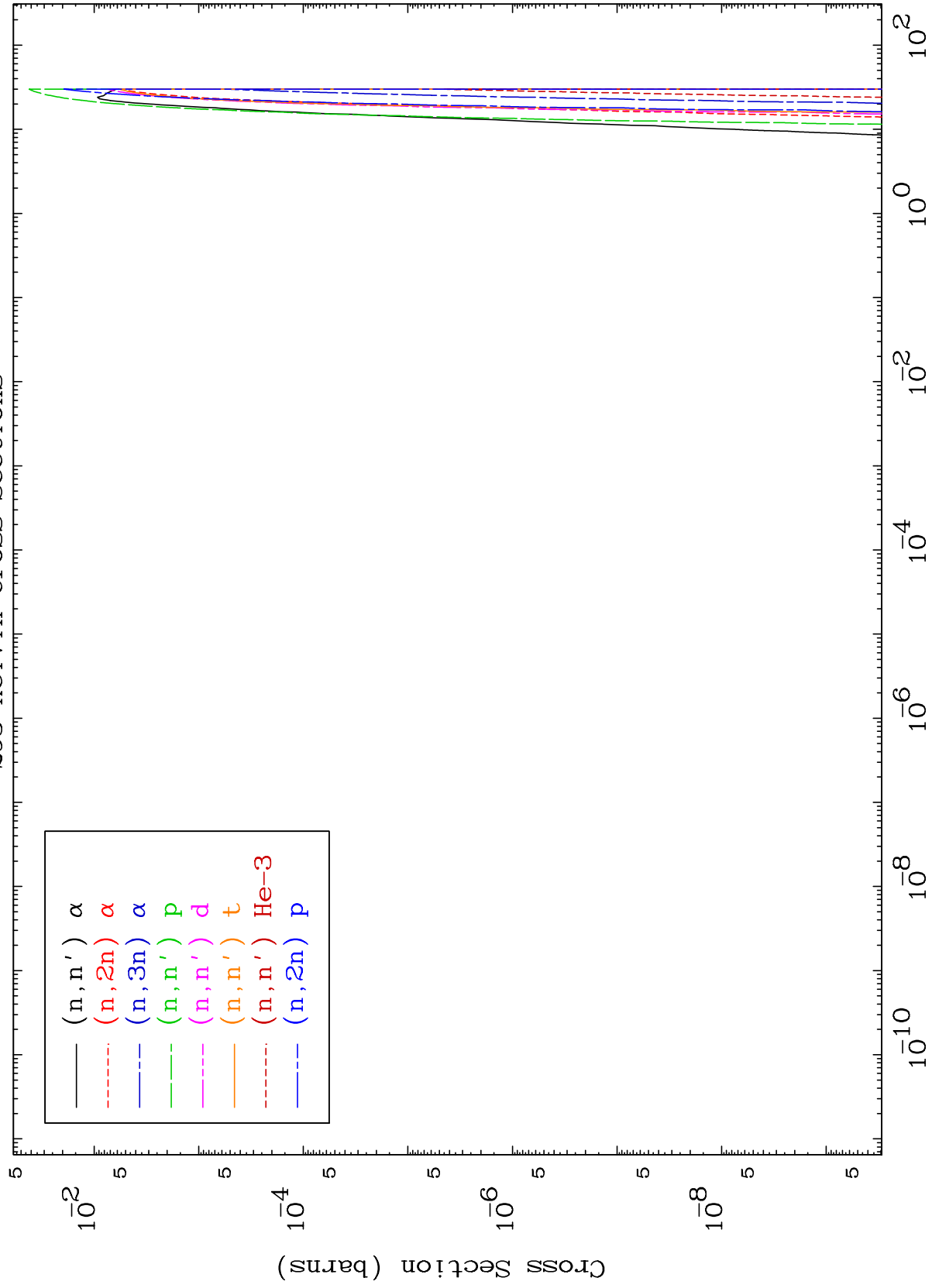




MAT 7053

293 Charged Particle
Kelvin Cross Sections

70-Yb-177

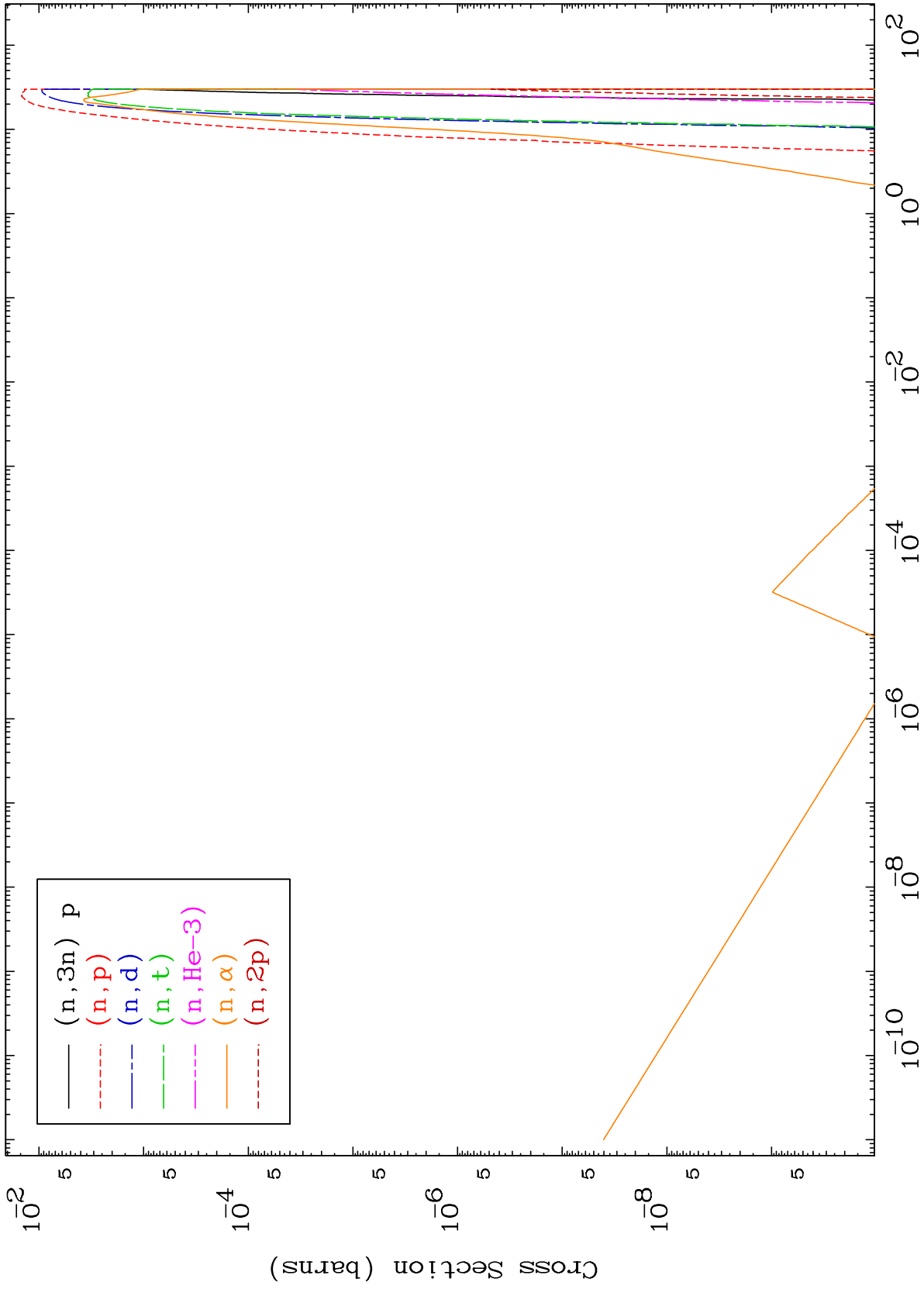


70-Yb-177

MAT 7053

Charged Particle
293 Kelvin Cross Sections

70-Yb-177



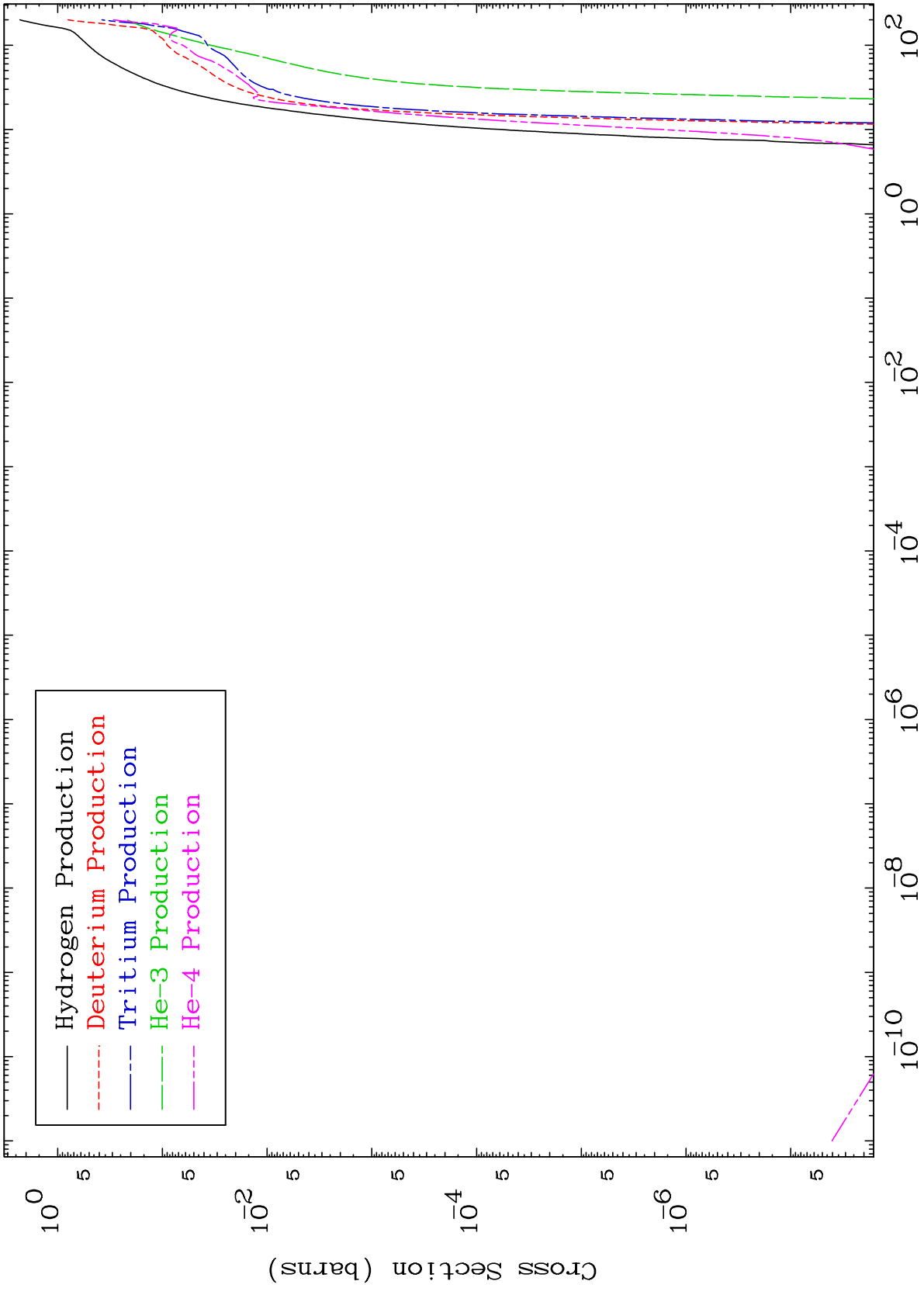
5

70-Yb-177

MAT 7053

Particle Production
293 Kelvin Cross Sections

70-Yb-177

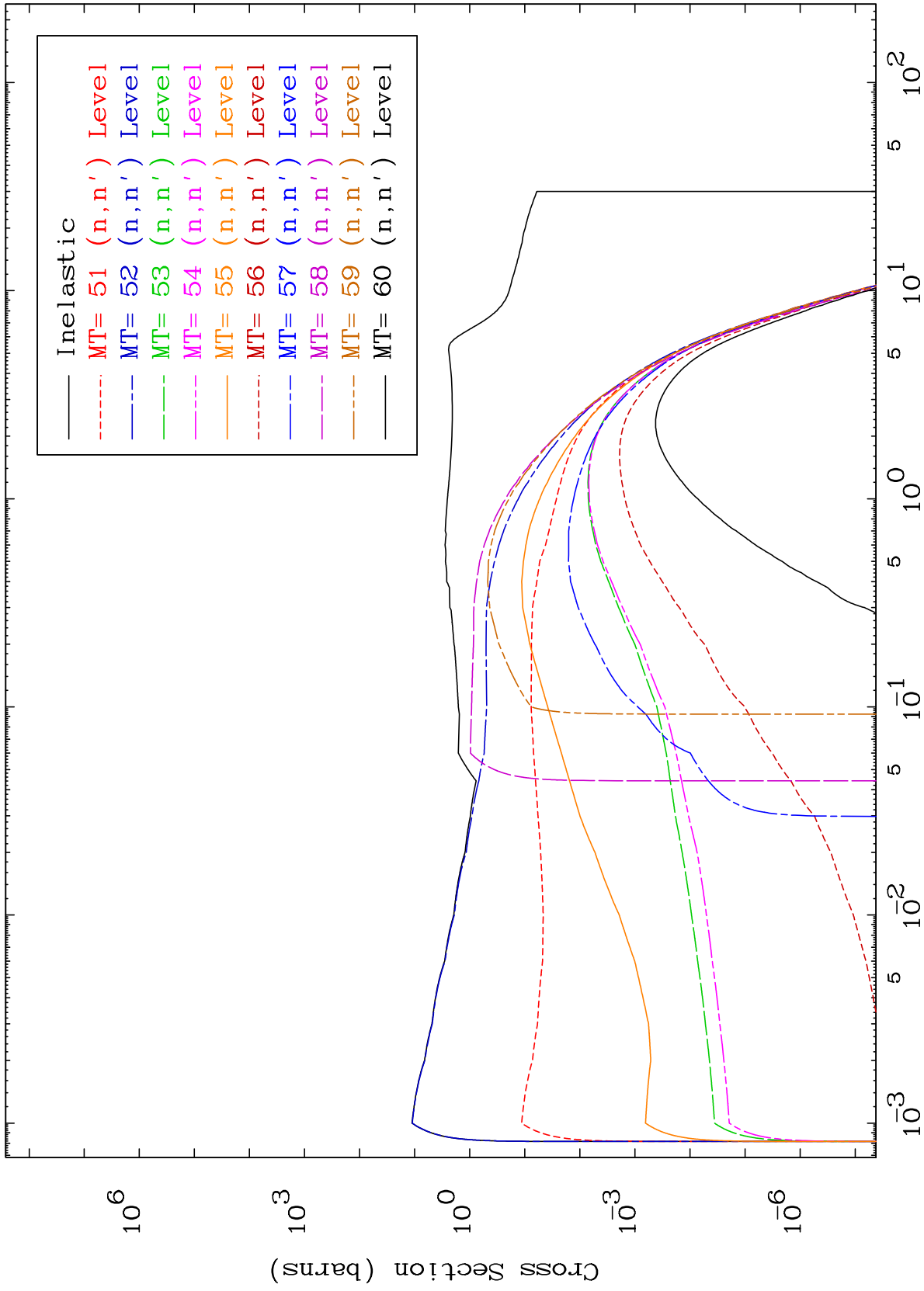


70-Yb-177

MAT 7053

(n,n') Level
293 Kelvin Cross Sections

70-Yb-177



7

Incident Energy (MeV)

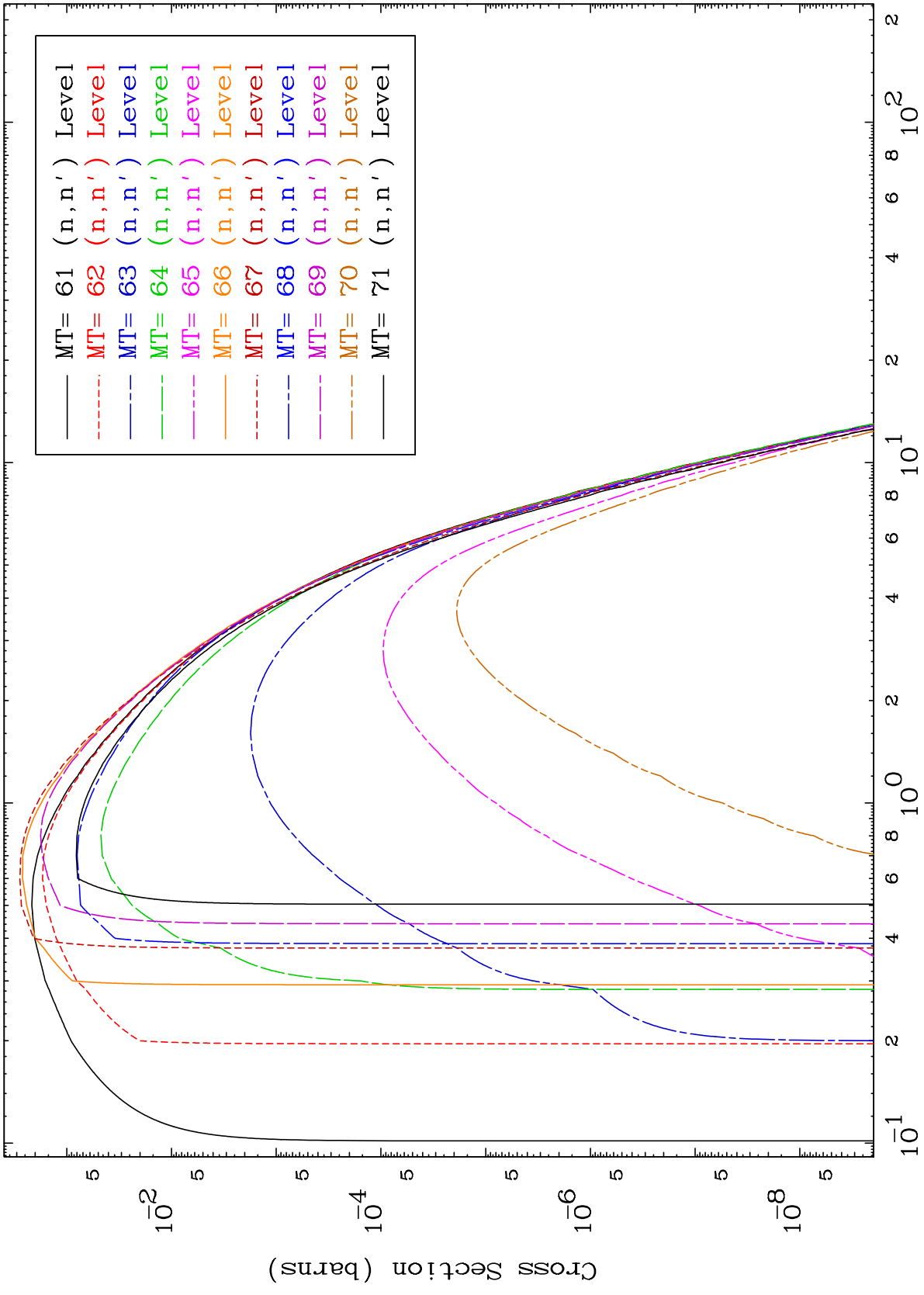
70-Yb-177

MAT 7053

(n,n') Level

70-Yb-177

293 Kelvin Cross Sections



70-Yb-177

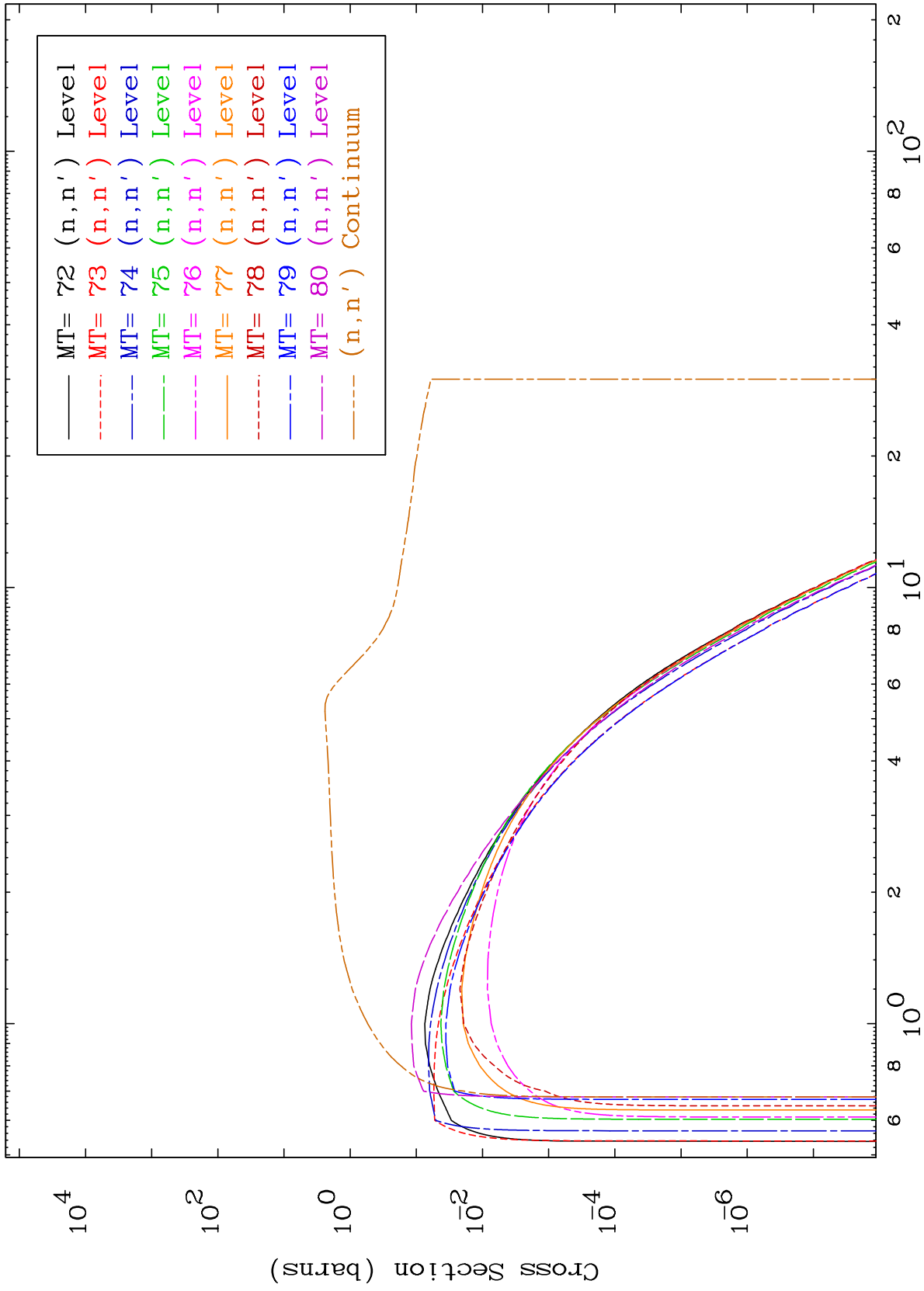
Incident Energy (MeV)

8

MAT 7053

(n,n') Level
293 Kelvin Cross Sections

70-Yb-177



9

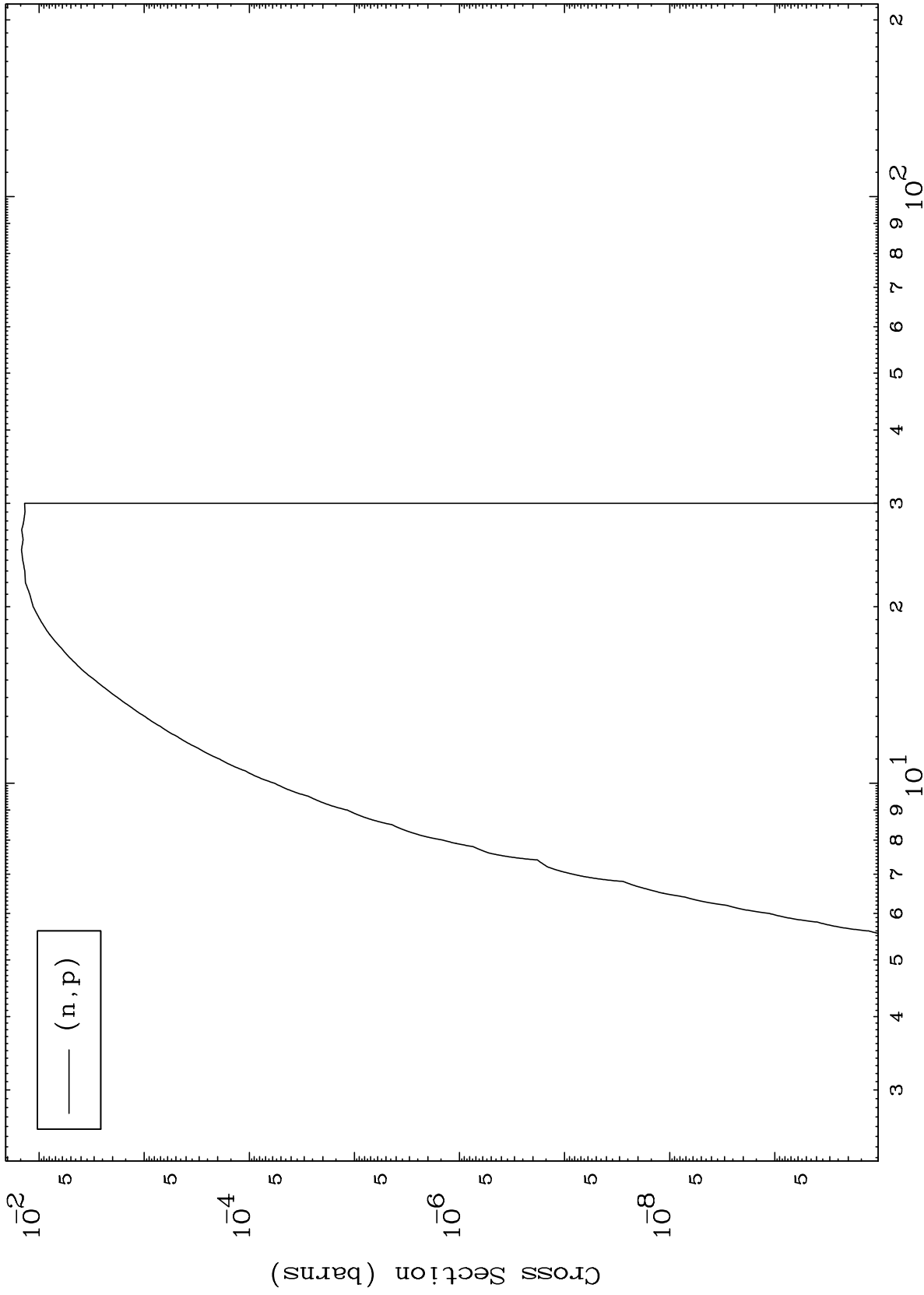
Incident Energy (MeV)

70-Yb-177

MAT 7053

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-177



10

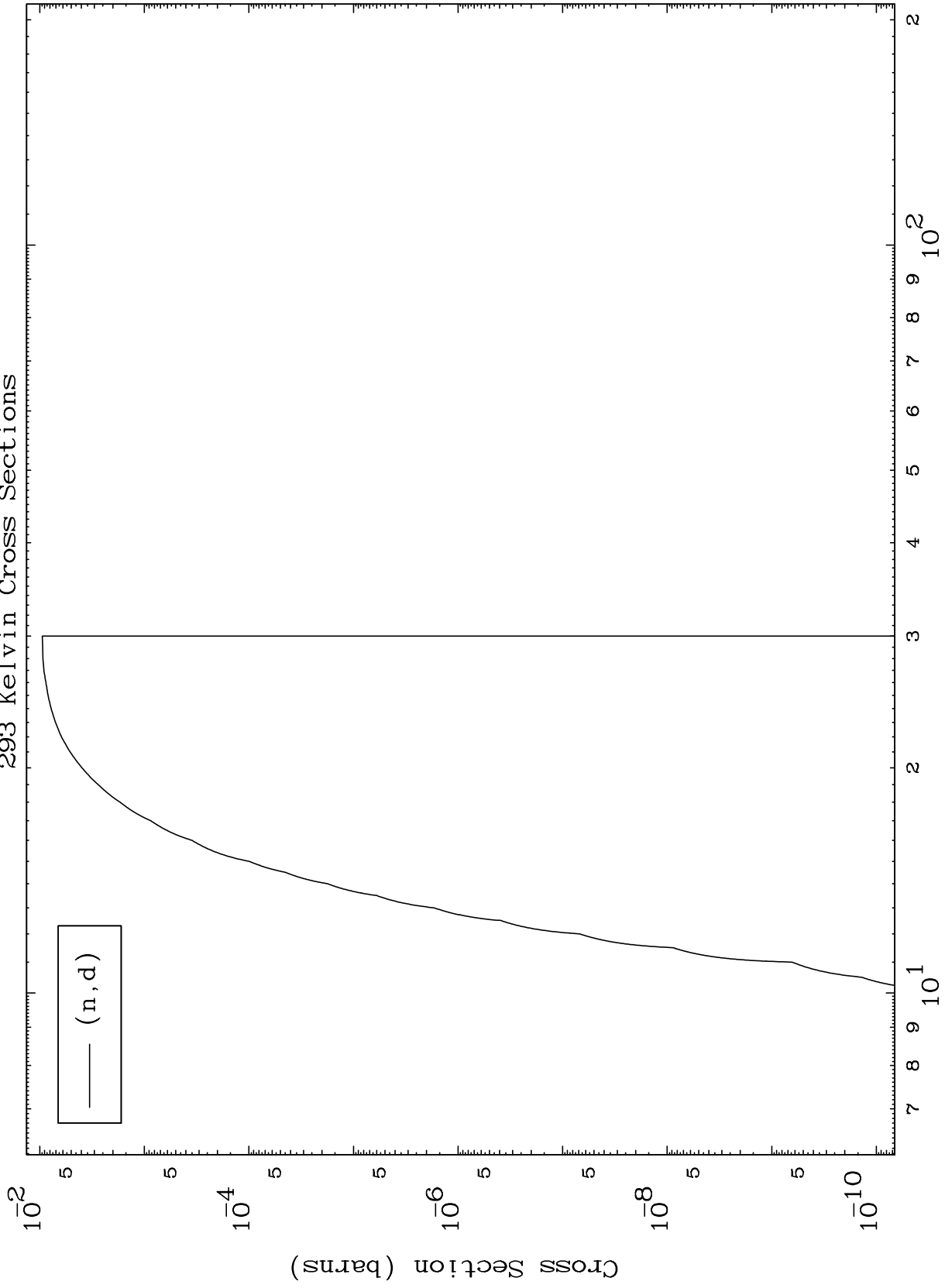
Incident Energy (MeV)

70-Yb-177

MAT 7053

(n,d) Levels
293 Kelvin Cross Sections

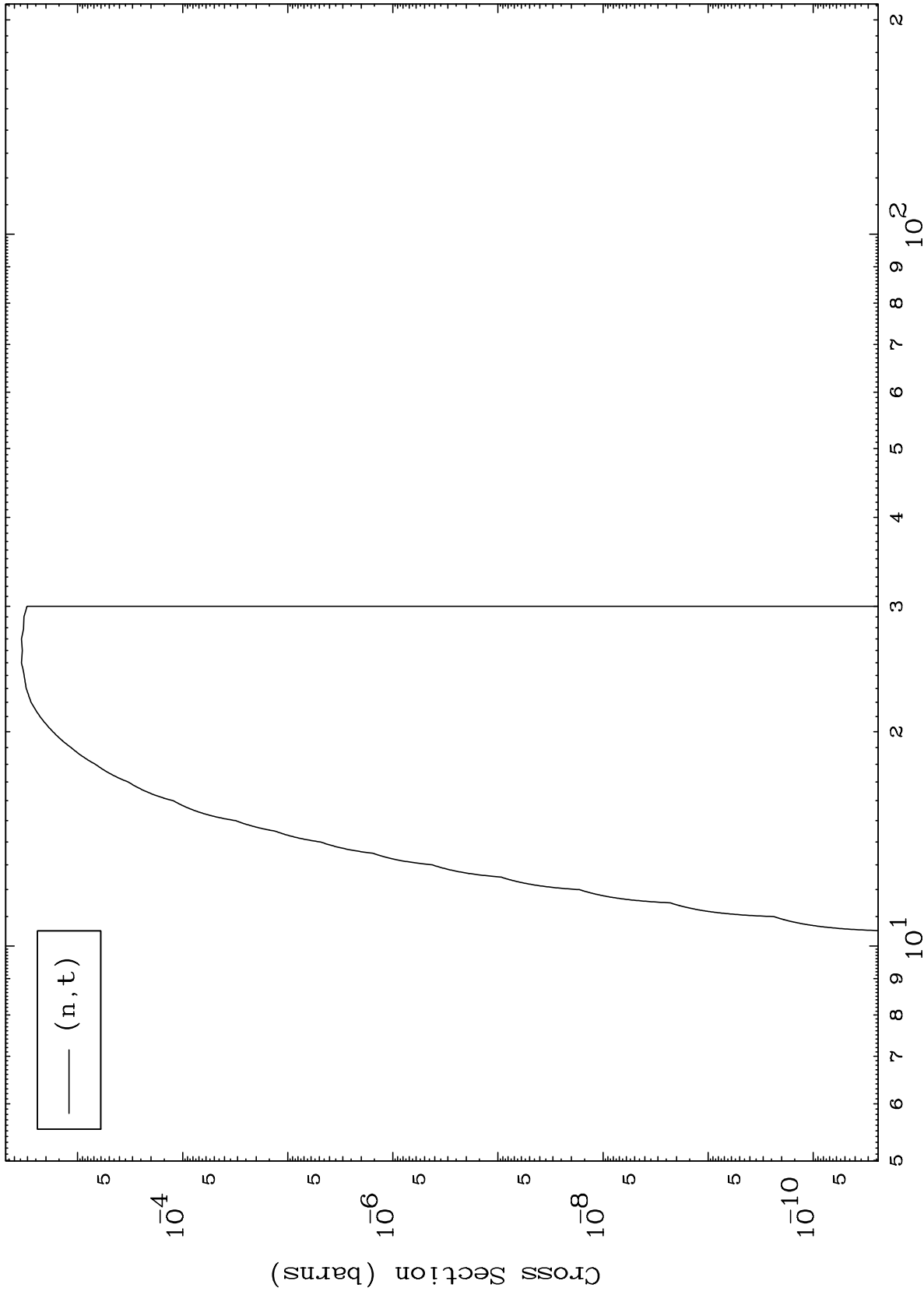
70-Yb-177



MAT 7053

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-177



12

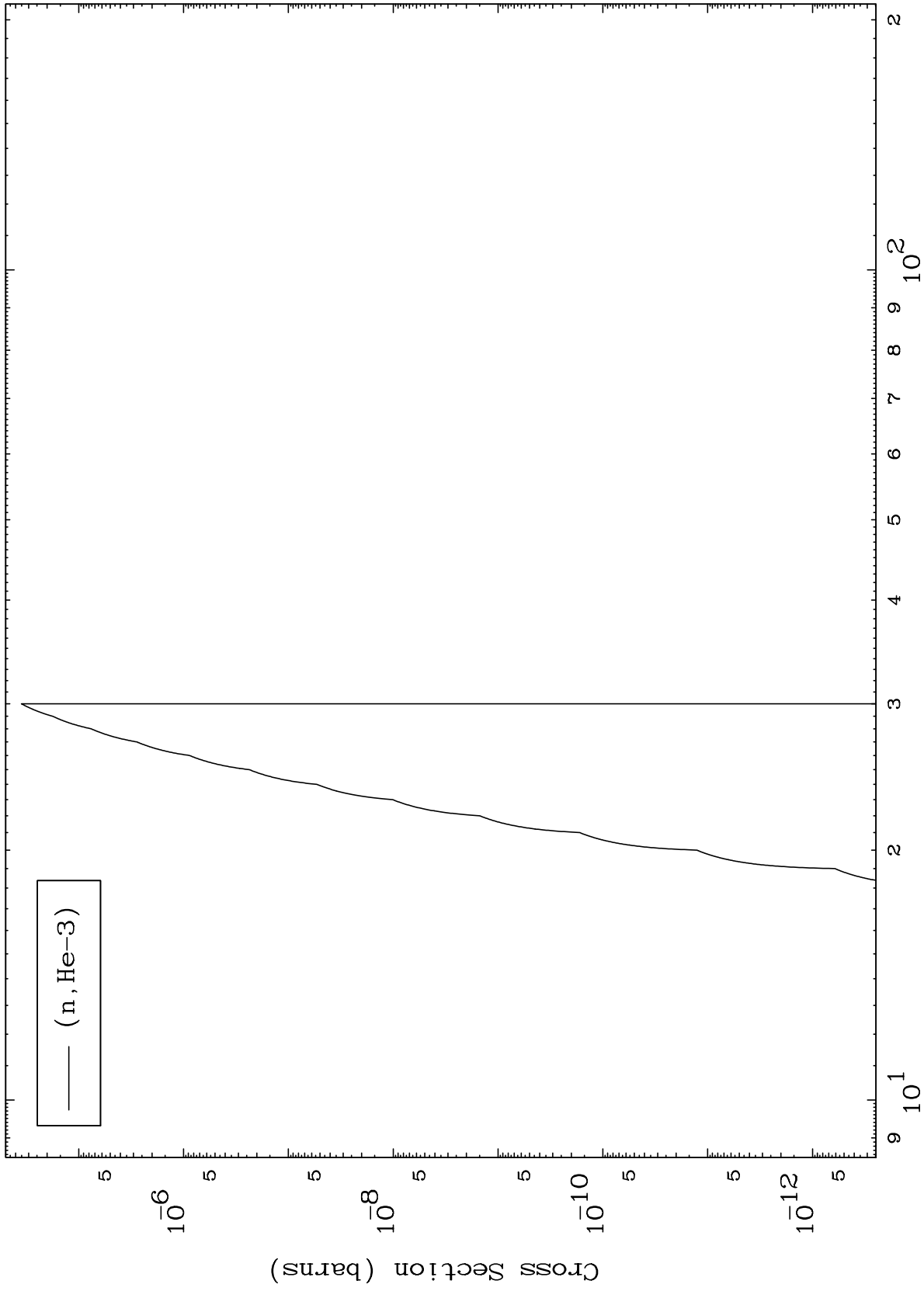
Incident Energy (MeV)

70-Yb-177

MAT 7053

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-177



13

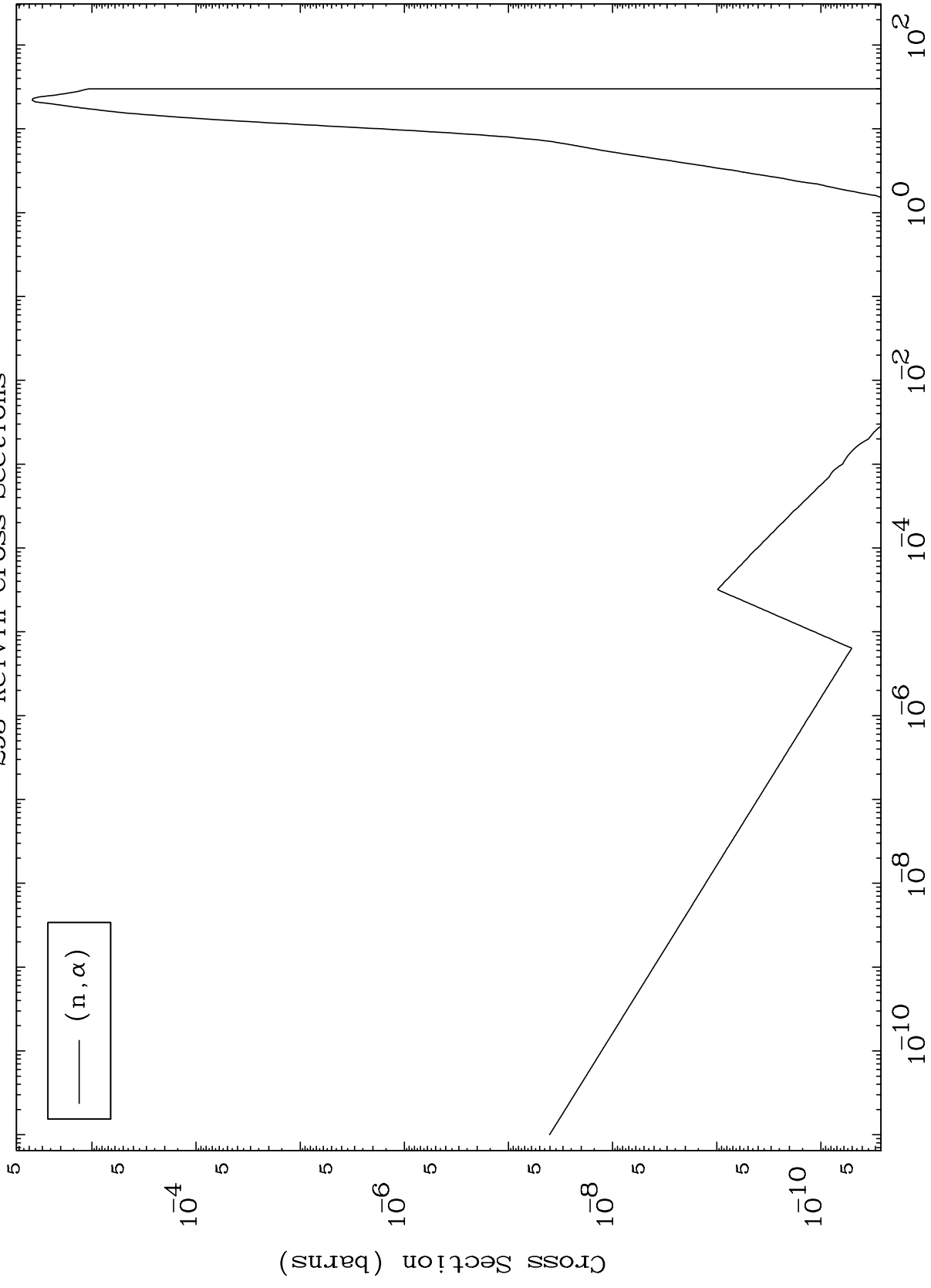
Incident Energy (MeV)

70-Yb-177

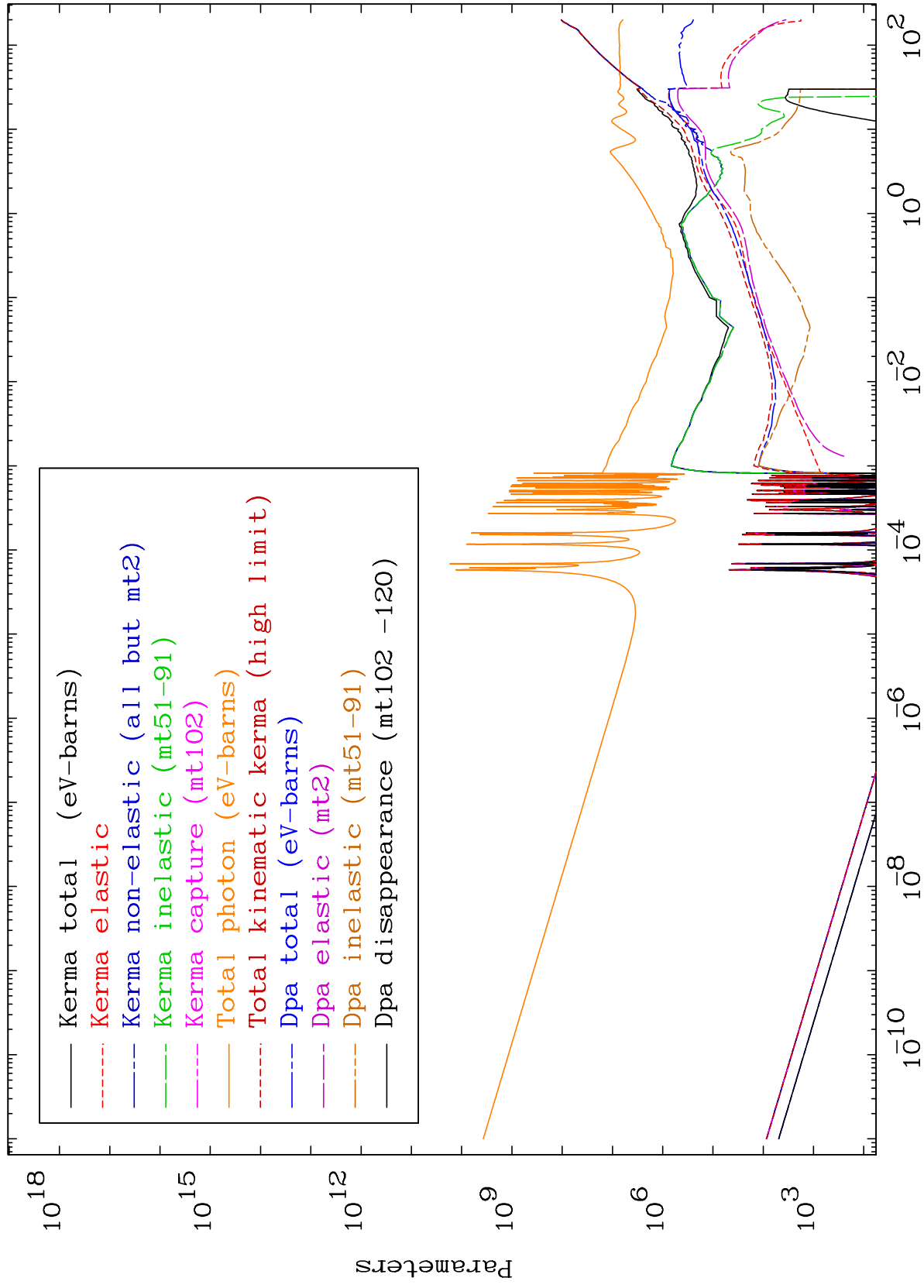
MAT 7053

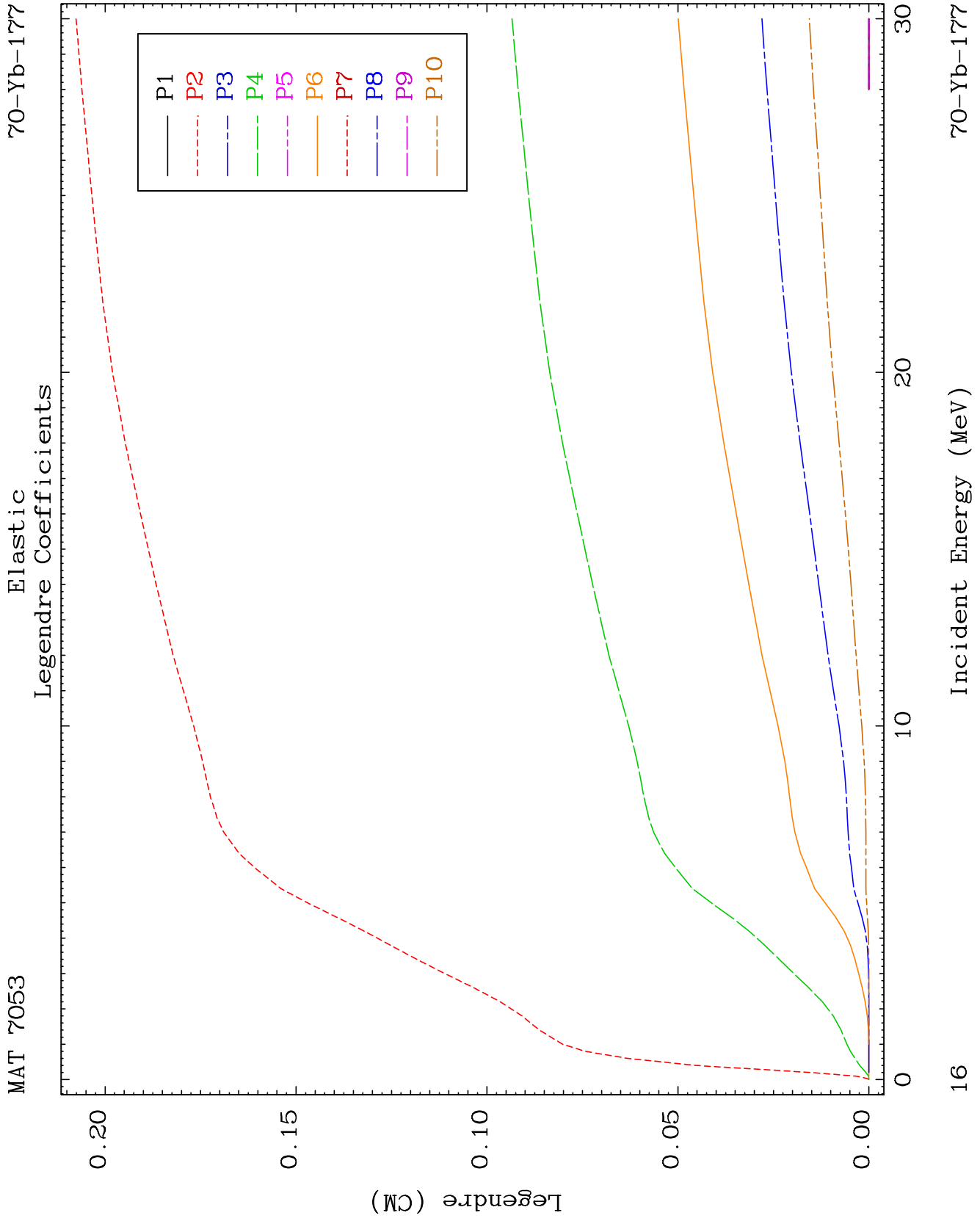
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-177



70-Yb-177

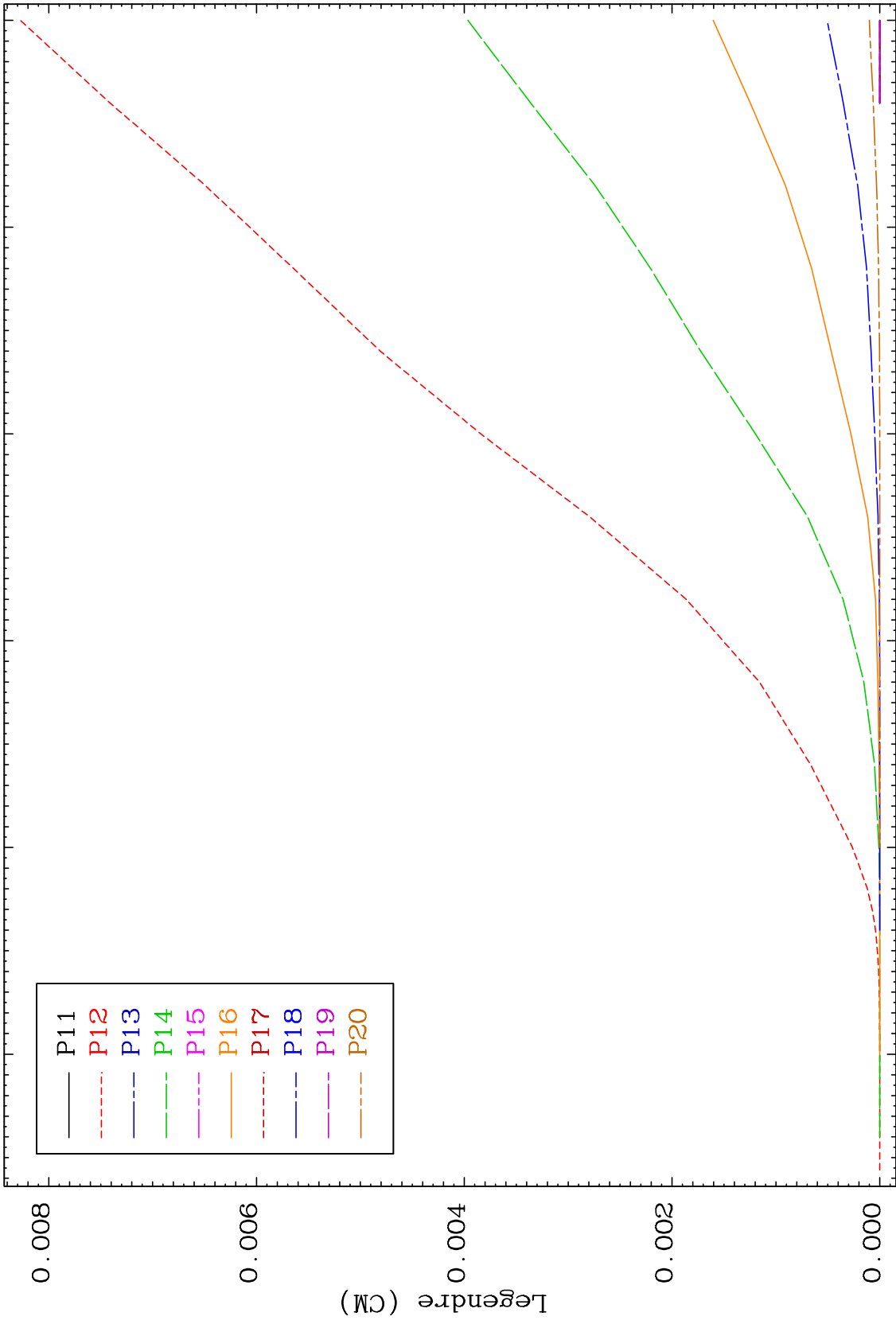




MAT 7053

Elastic
Legendre Coefficients

70-Yb-177



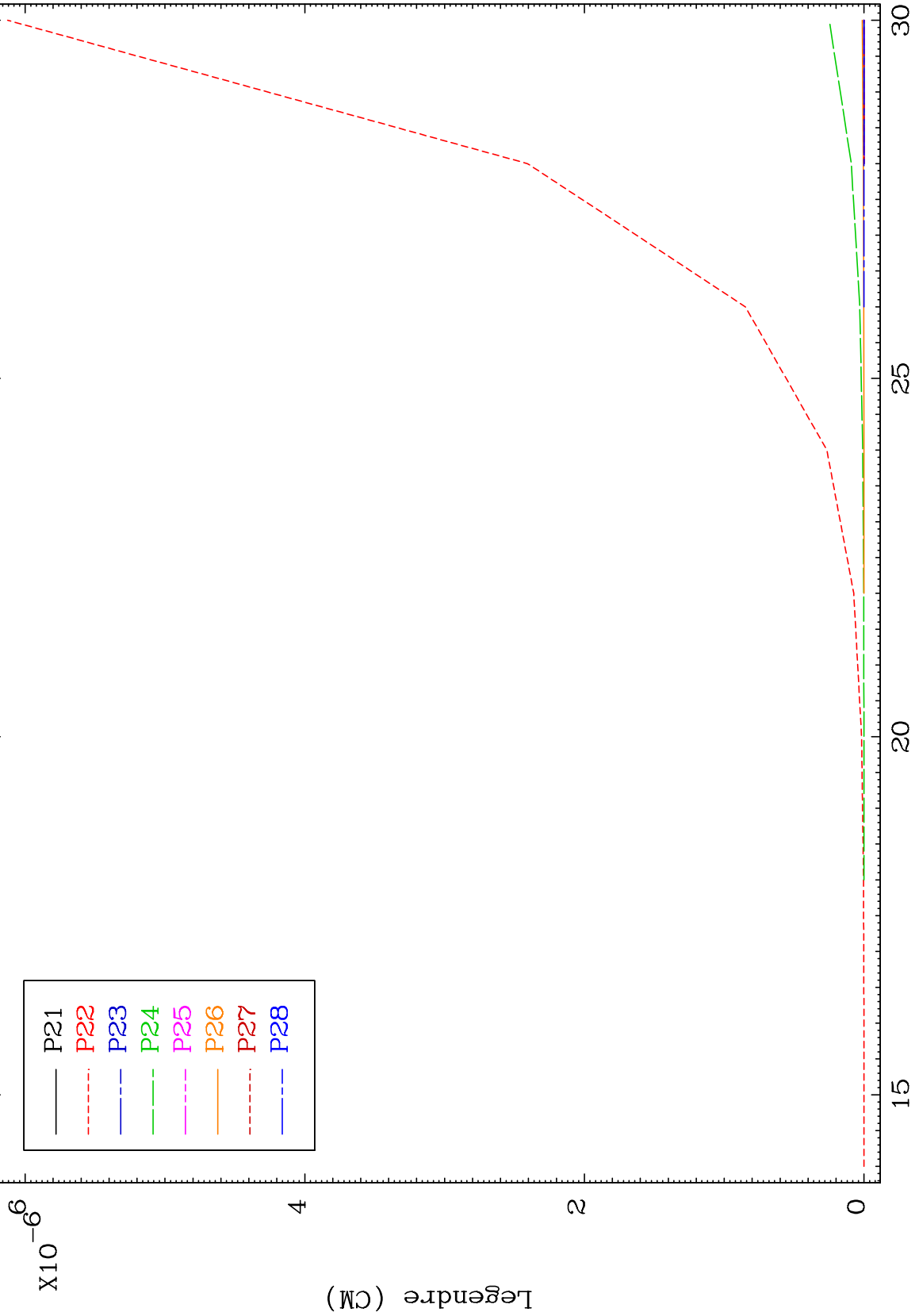
17

70-Yb-177

MAT 7053

Elastic Legendre Coefficients

70-Yb-177



18

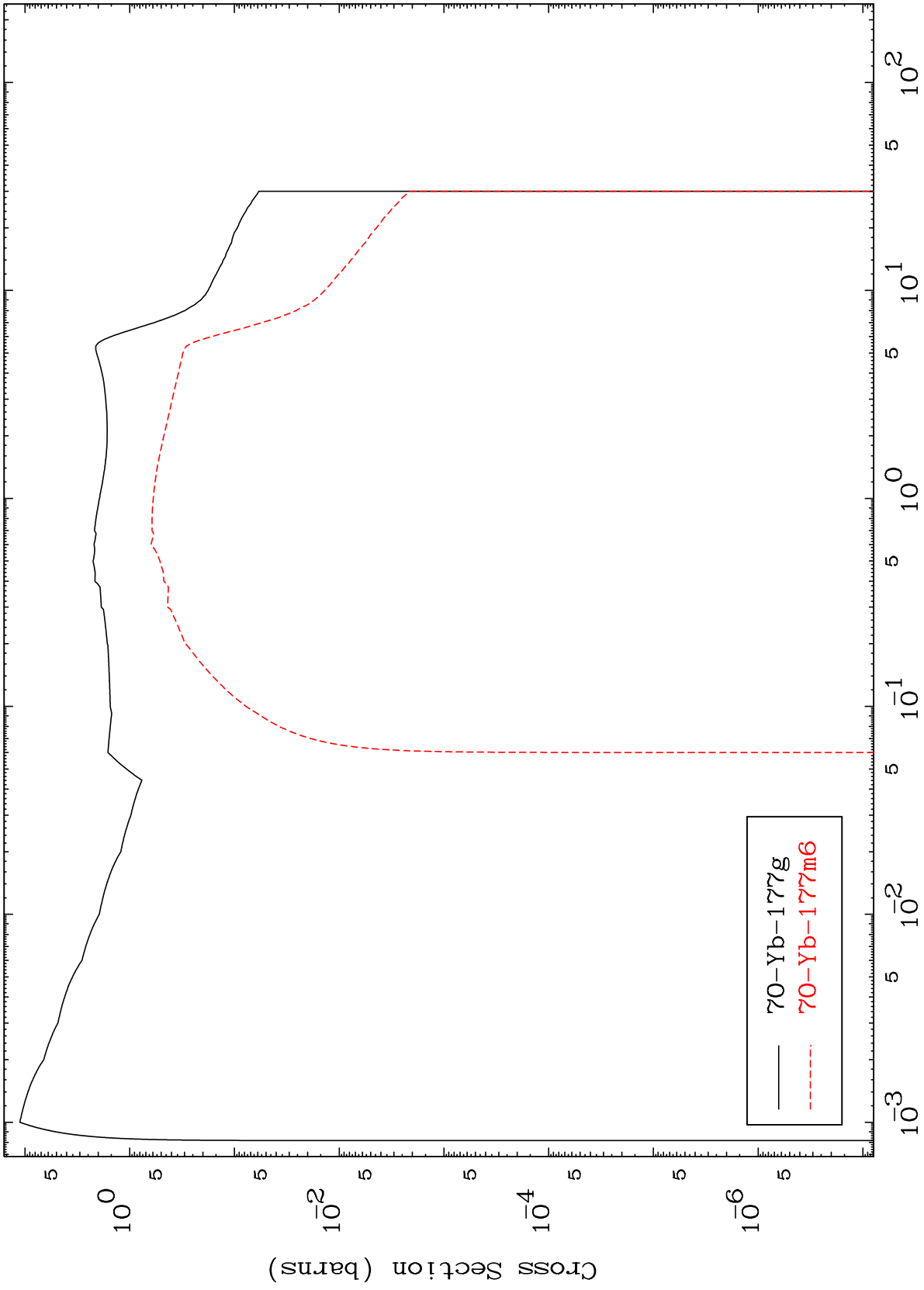
Incident Energy (MeV)

70-Yb-177

MAT 7053

70-Yb-177

Inelastic
Radionuclide Production Cross Section



19

Incident Energy (MeV)

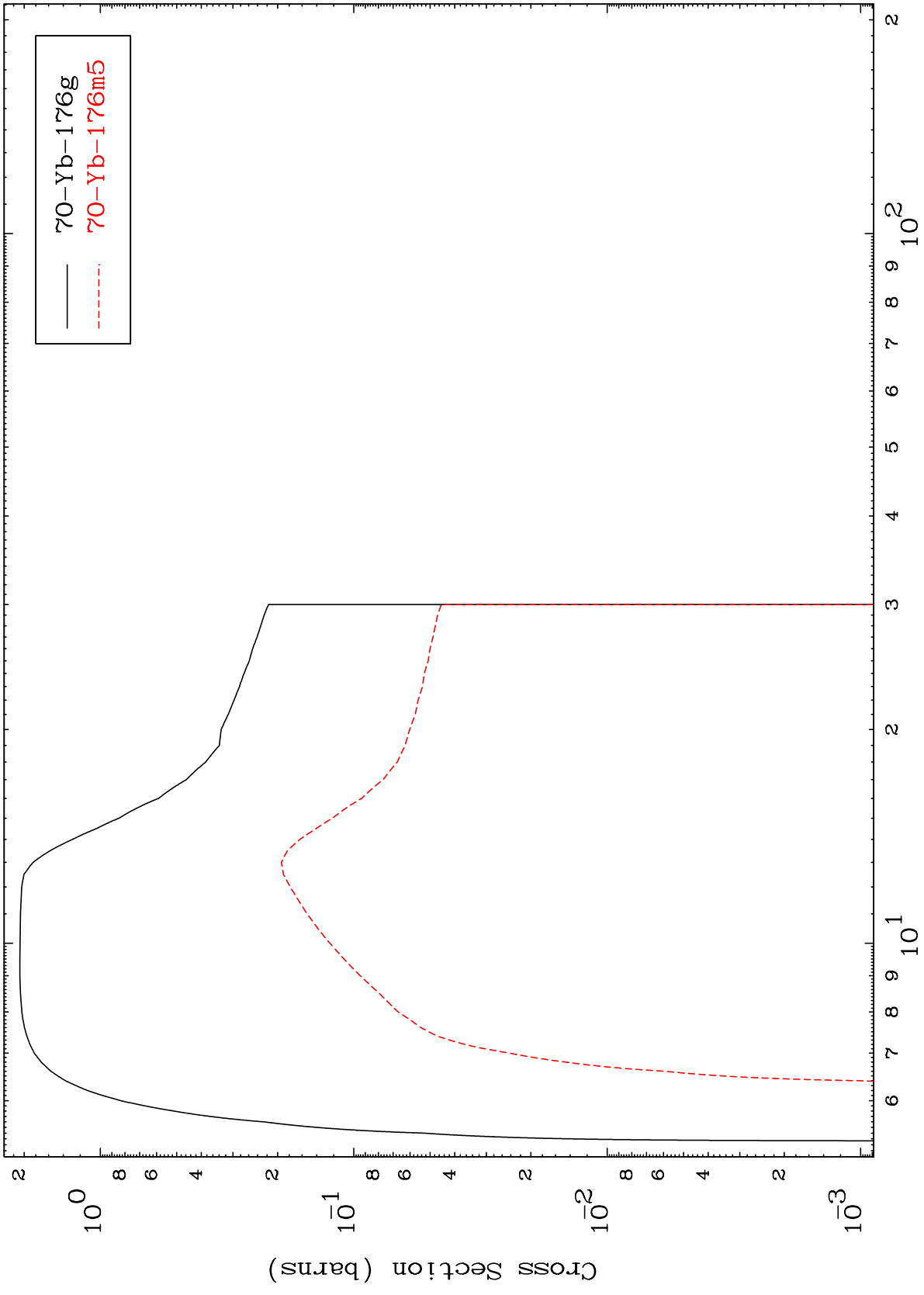
70-Yb-177

MAT 7053

(n,2n)

⁷⁰Yb-177

Radionuclide Production Cross Section



— ⁷⁰Yb-176g
- - - ⁷⁰Yb-176m5

20

Incident Energy (MeV)

⁷⁰Yb-177