

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

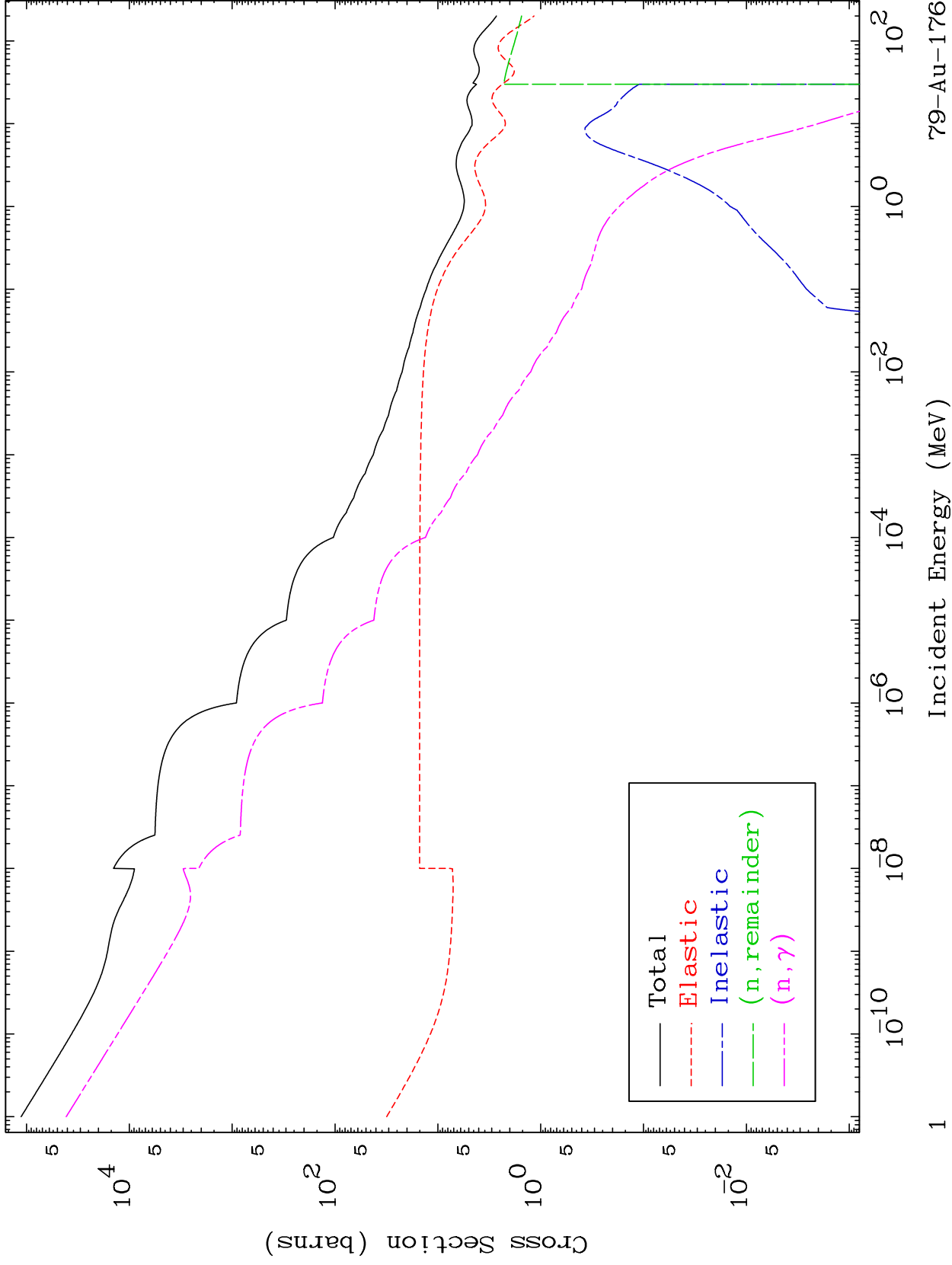
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7863

Major
293 Kelvin Cross Sections

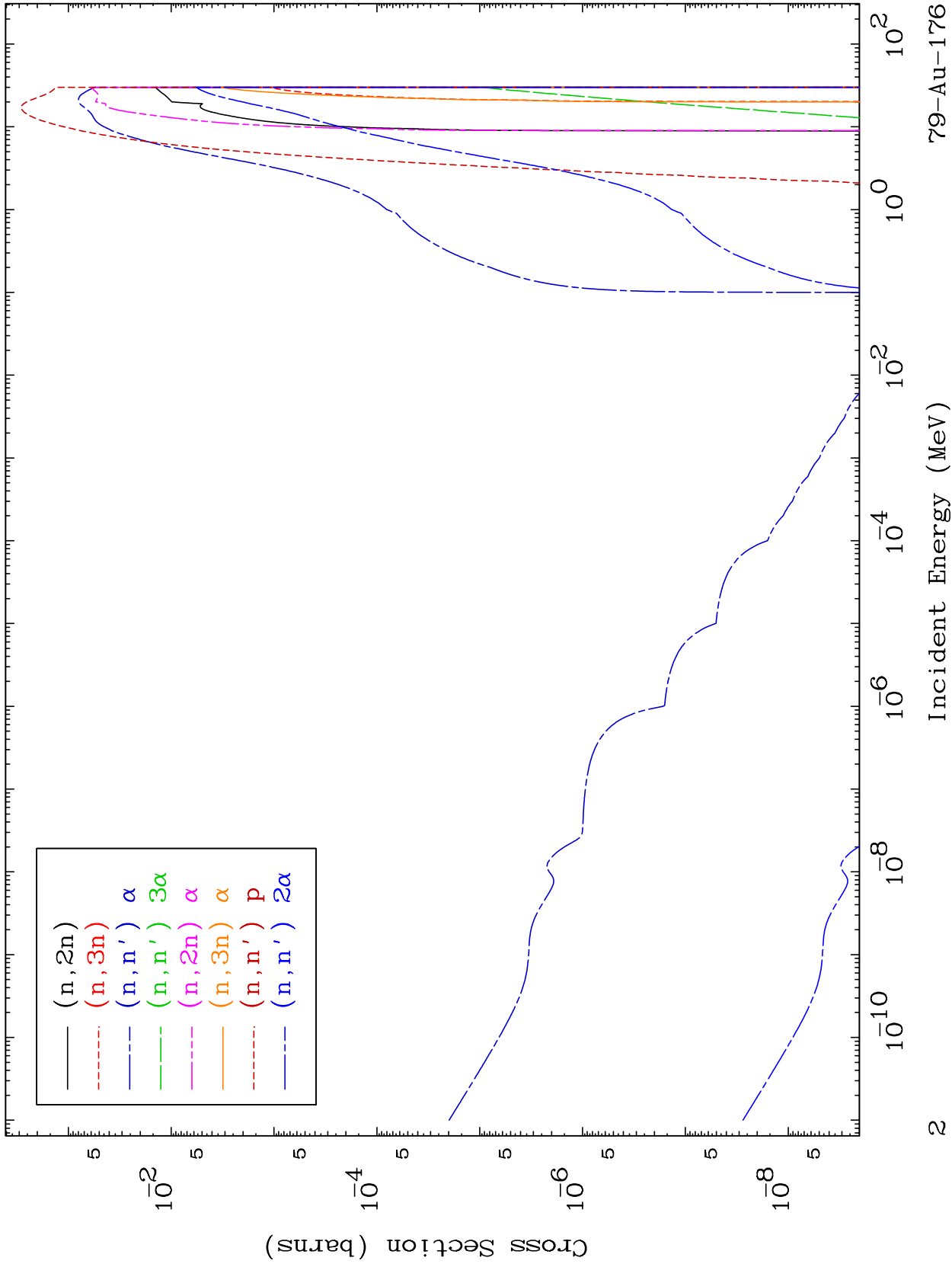
79-Au-176



MAT 7863

Neutron Production
293 Kelvin Cross Sections

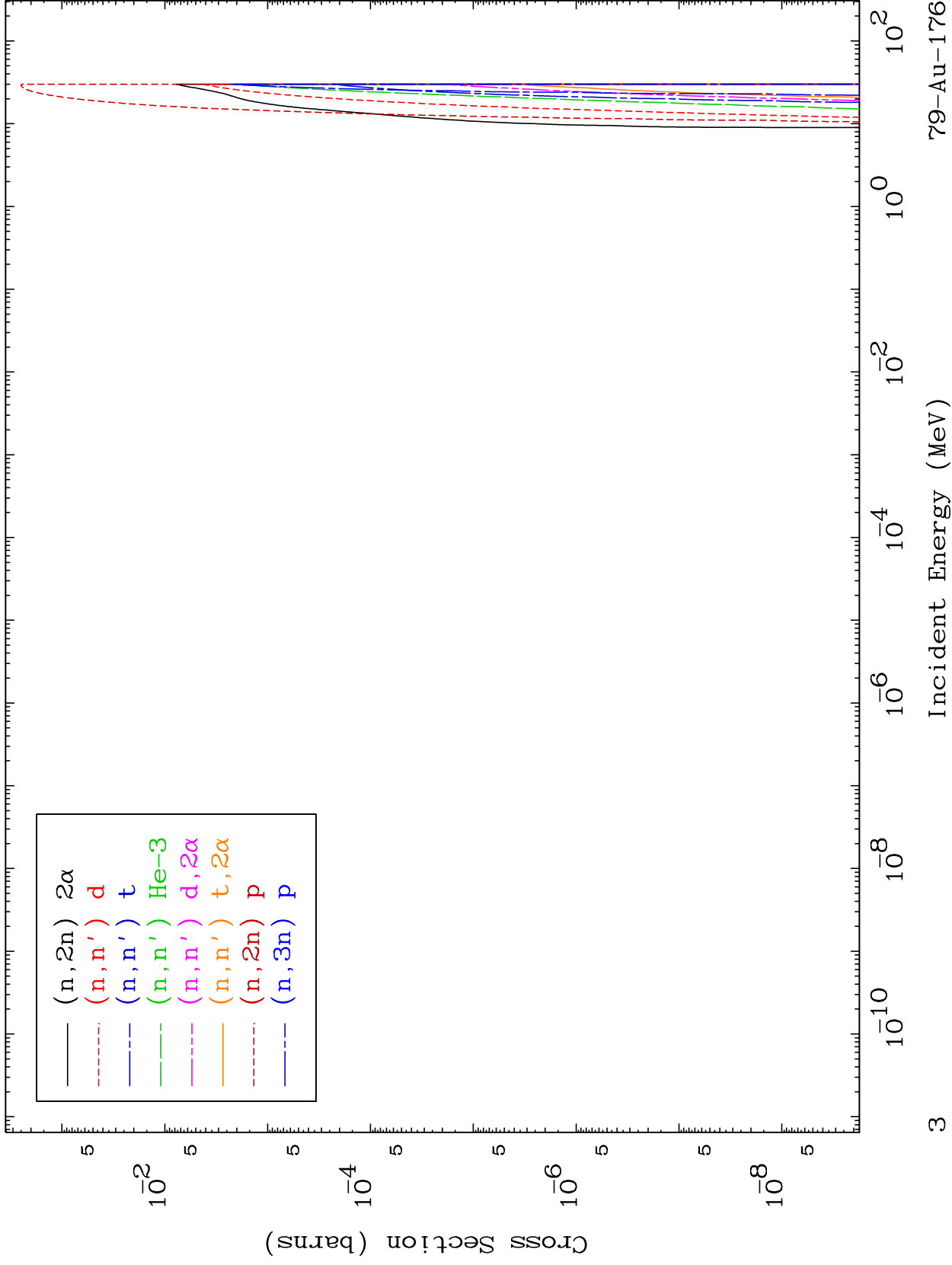
79-Au-176



MAT 7863

Neutron Production
293 Kelvin Cross Sections

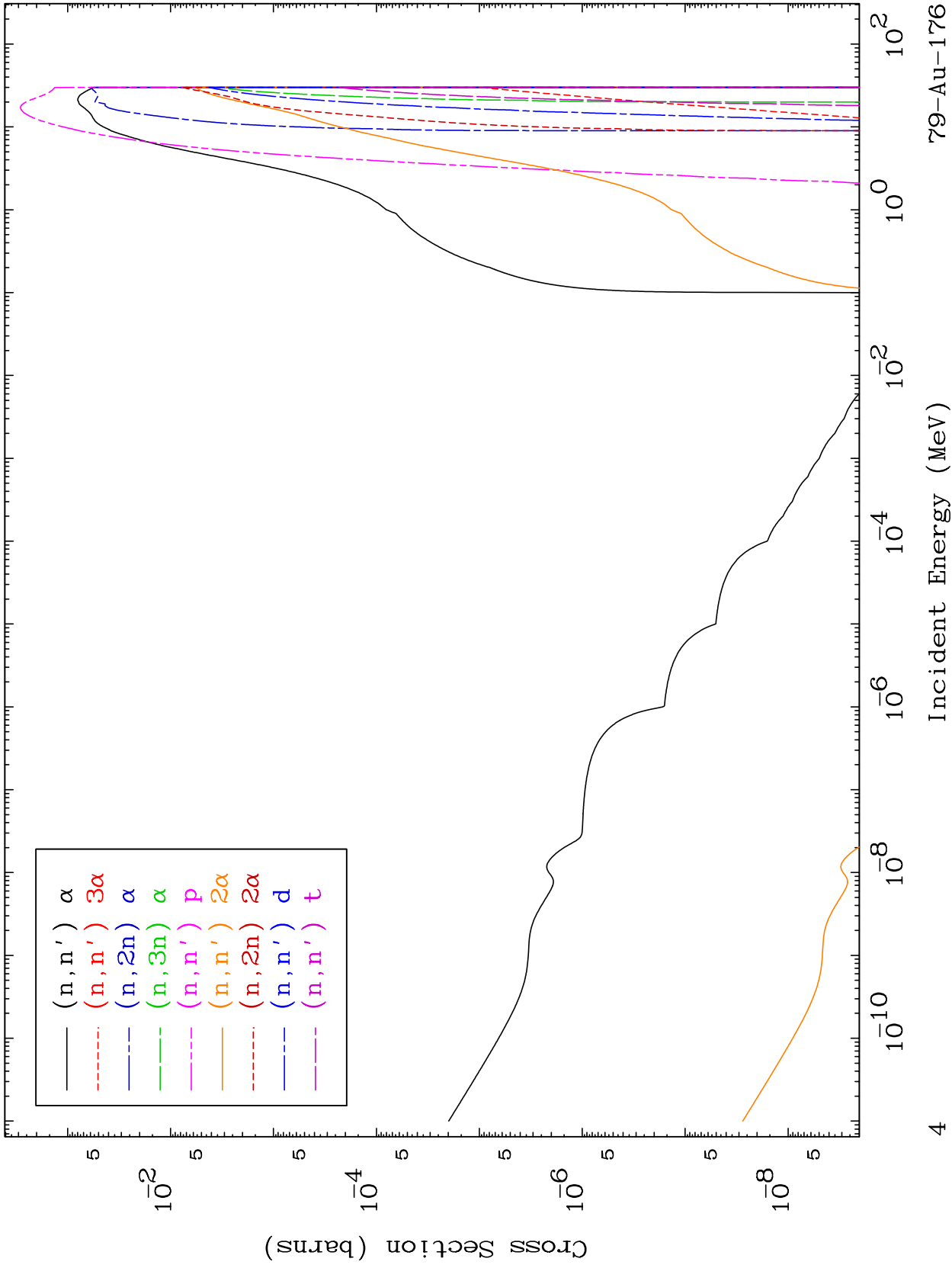
79-Au-176



MAT 7863

Charged Particle
293 Kelvin Cross Sections

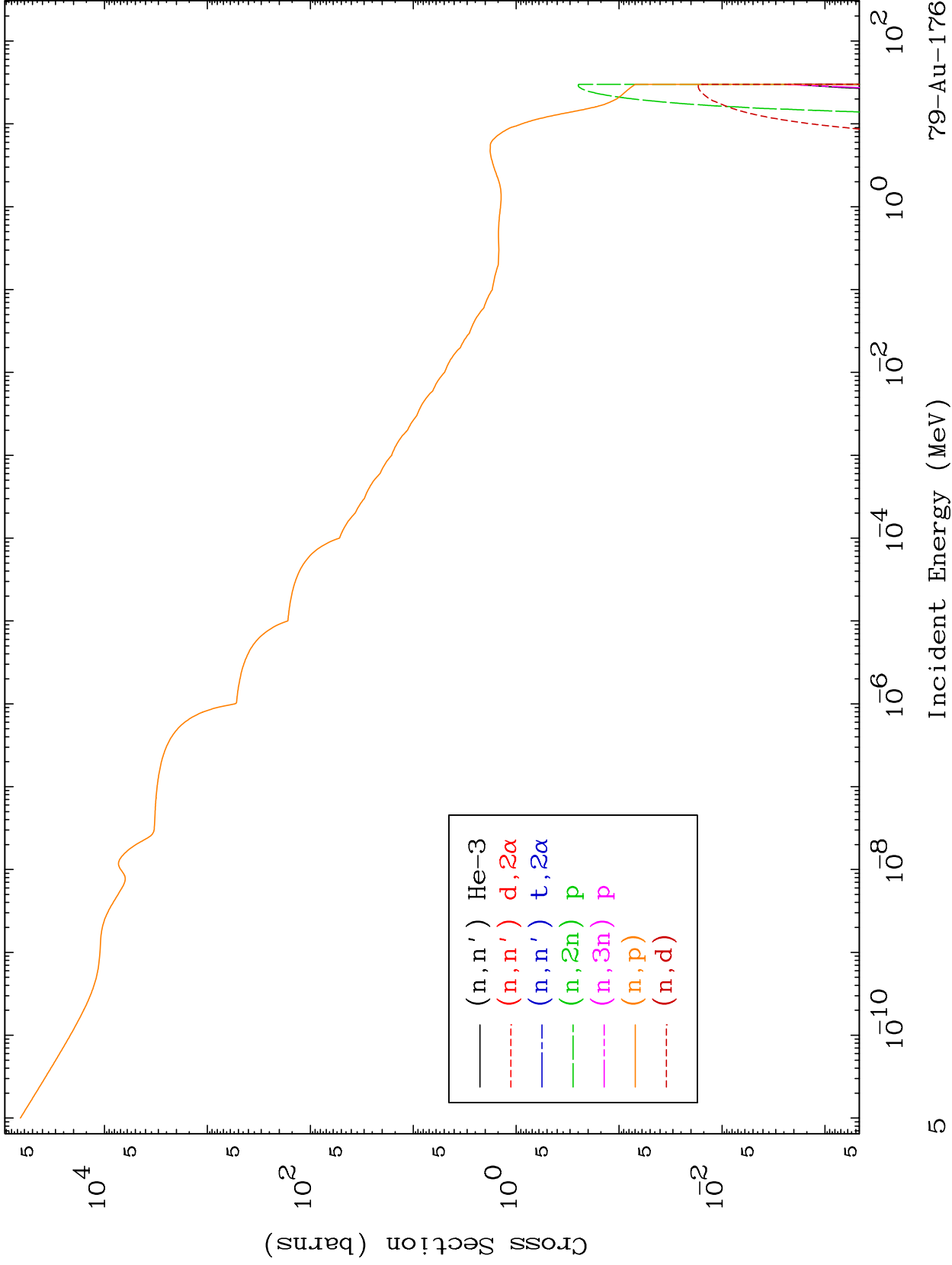
79-Au-176



MAT 7863

Charged Particle
293 Kelvin Cross Sections

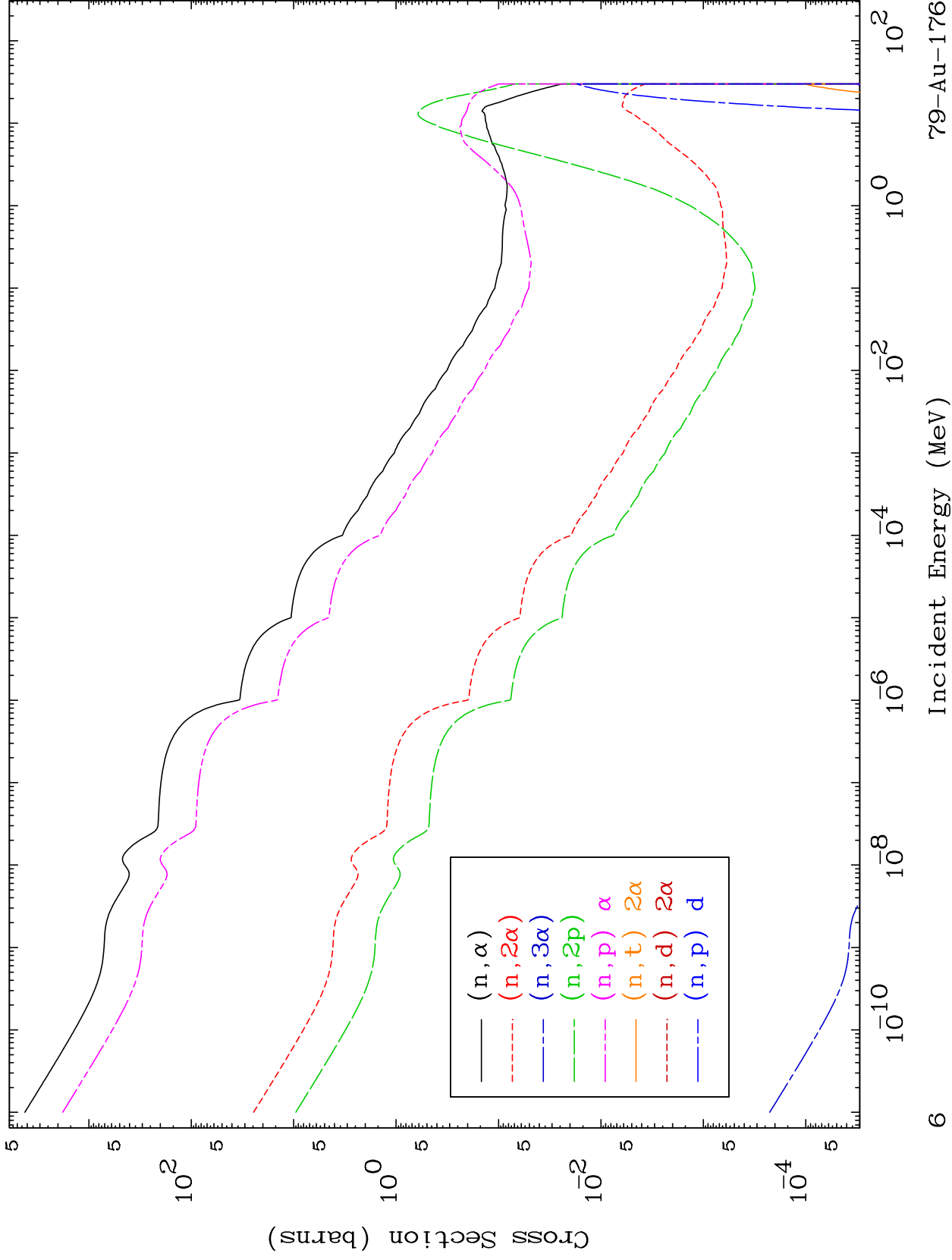
79-Au-176



MAT 7863

Charged Particle
293 Kelvin Cross Sections

79-Au-176



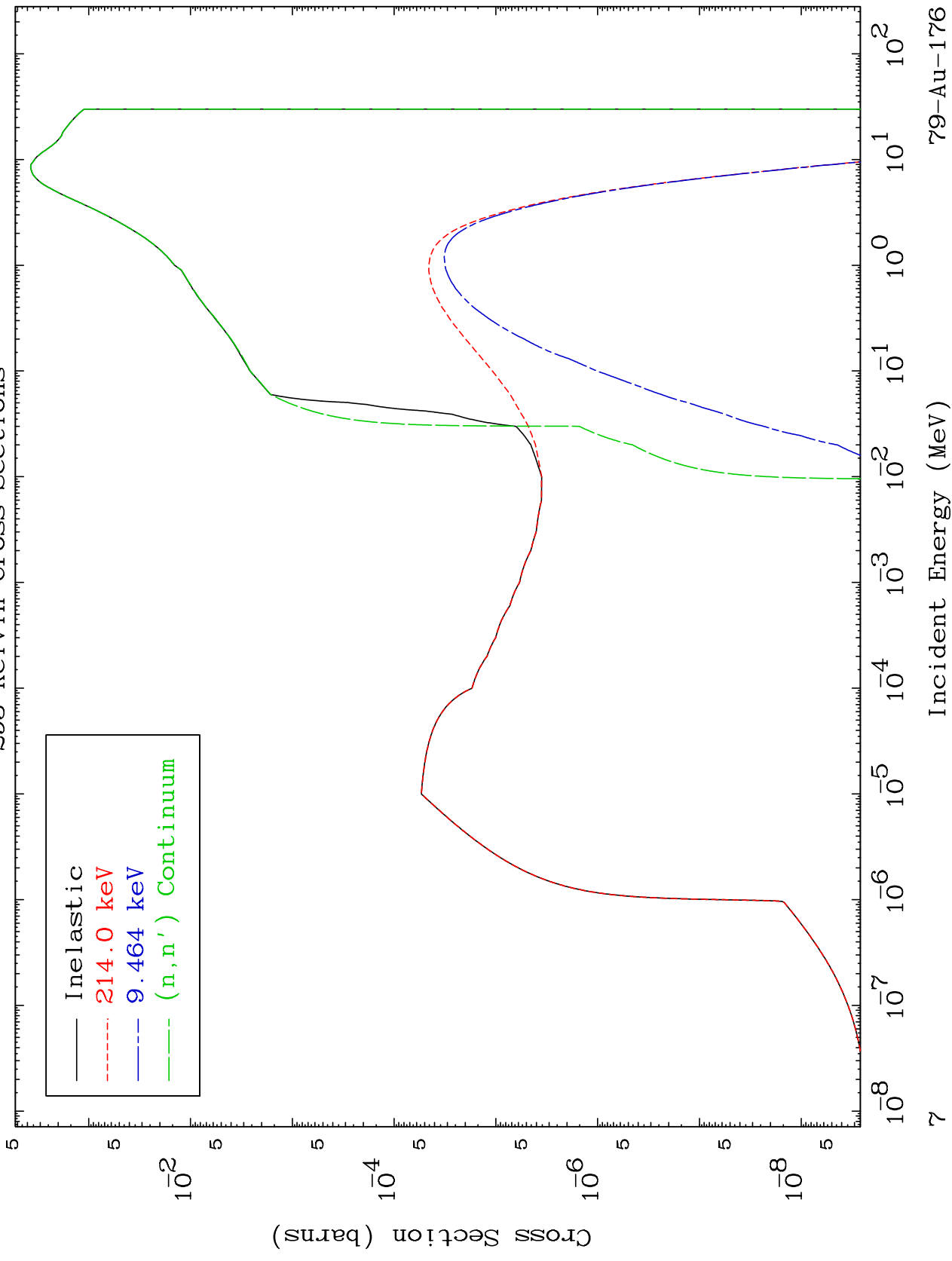
79-Au-176

MAT 7863

(n,n') Level

79-Au-176

293 Kelvin Cross Sections



79-Au-176

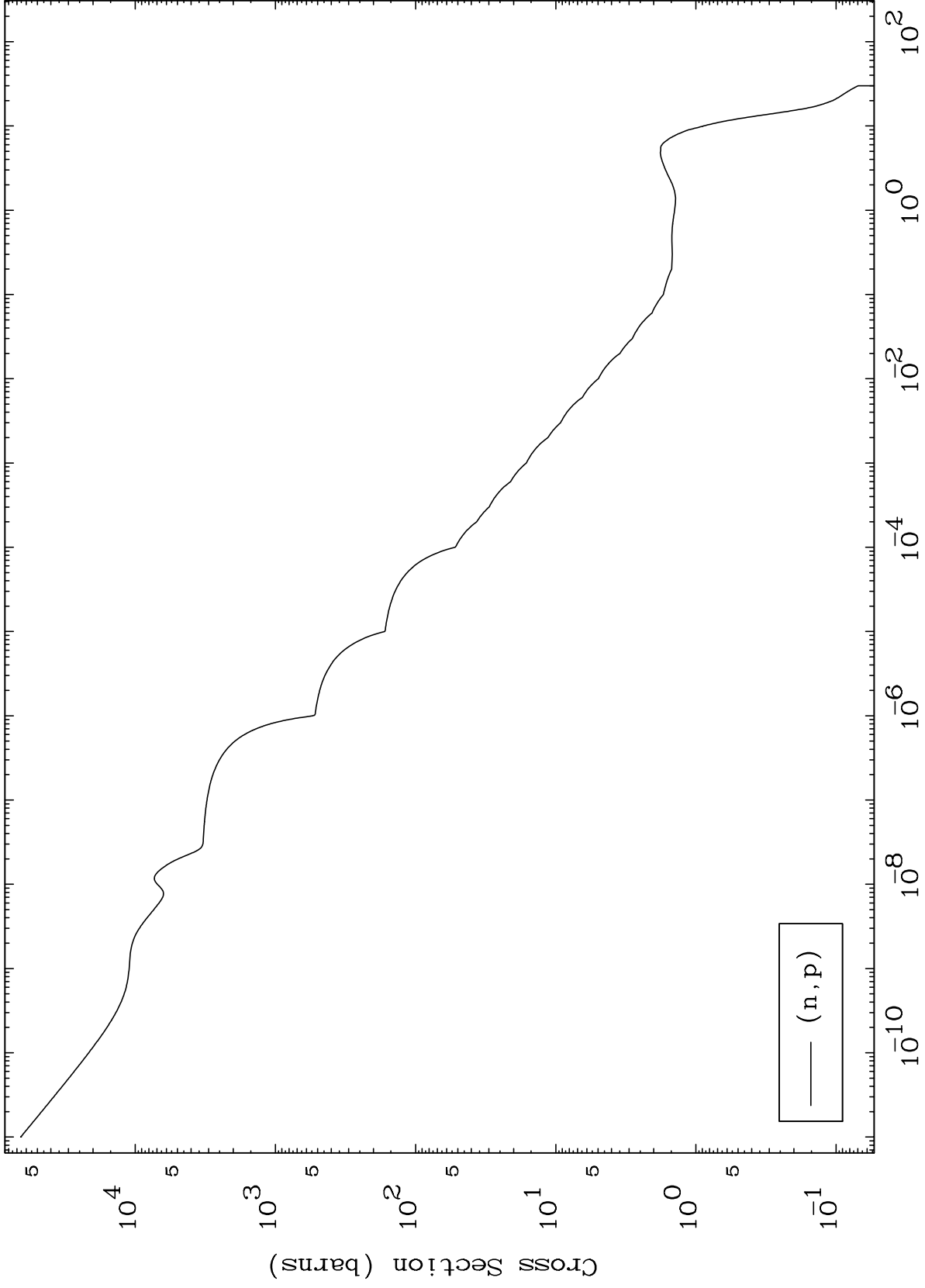
Incident Energy (MeV)

7

MAT 7863

(n,p) Levels
293 Kelvin Cross Sections

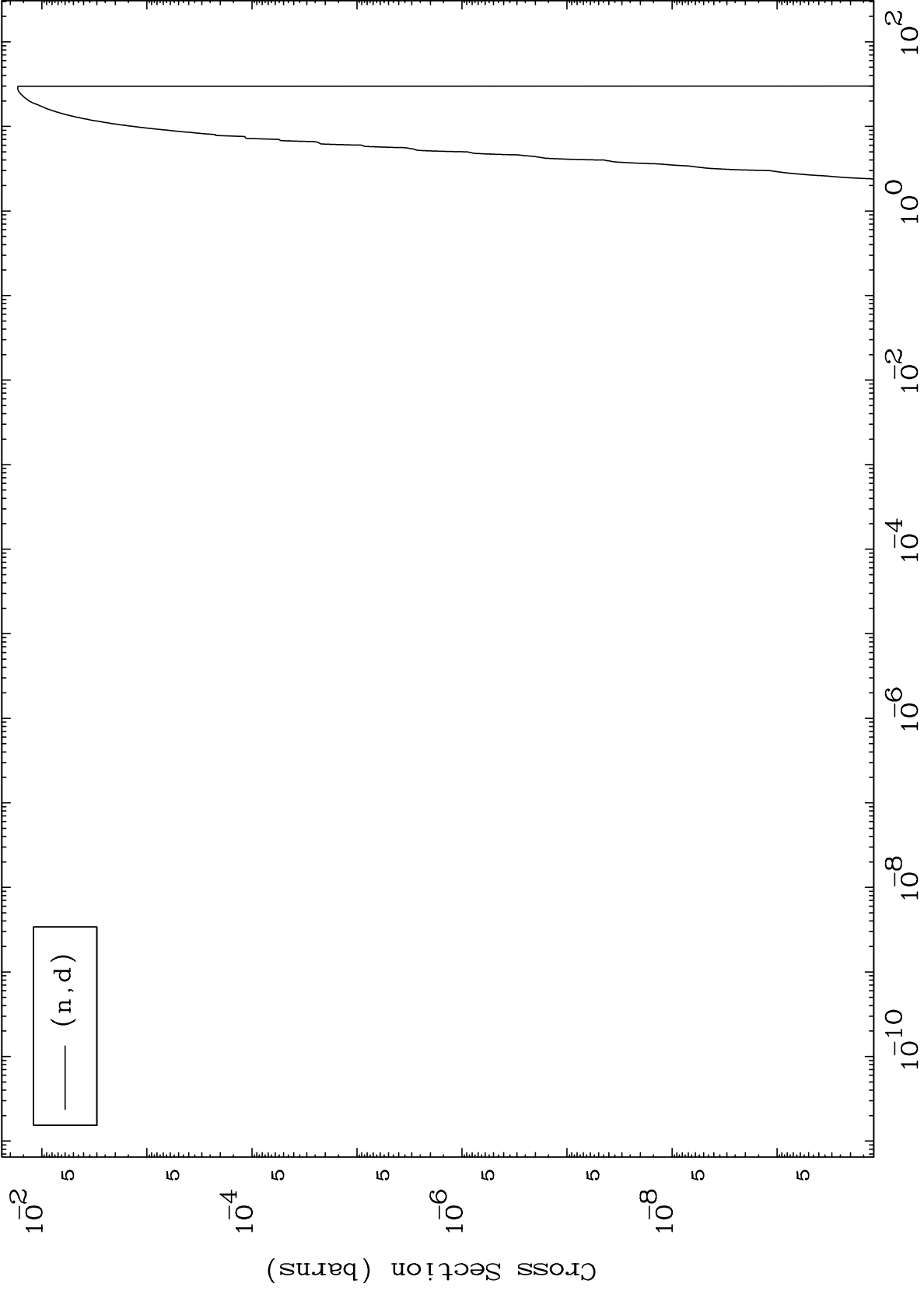
79-Au-176



MAT 7863

(n,d) Levels
293 Kelvin Cross Sections

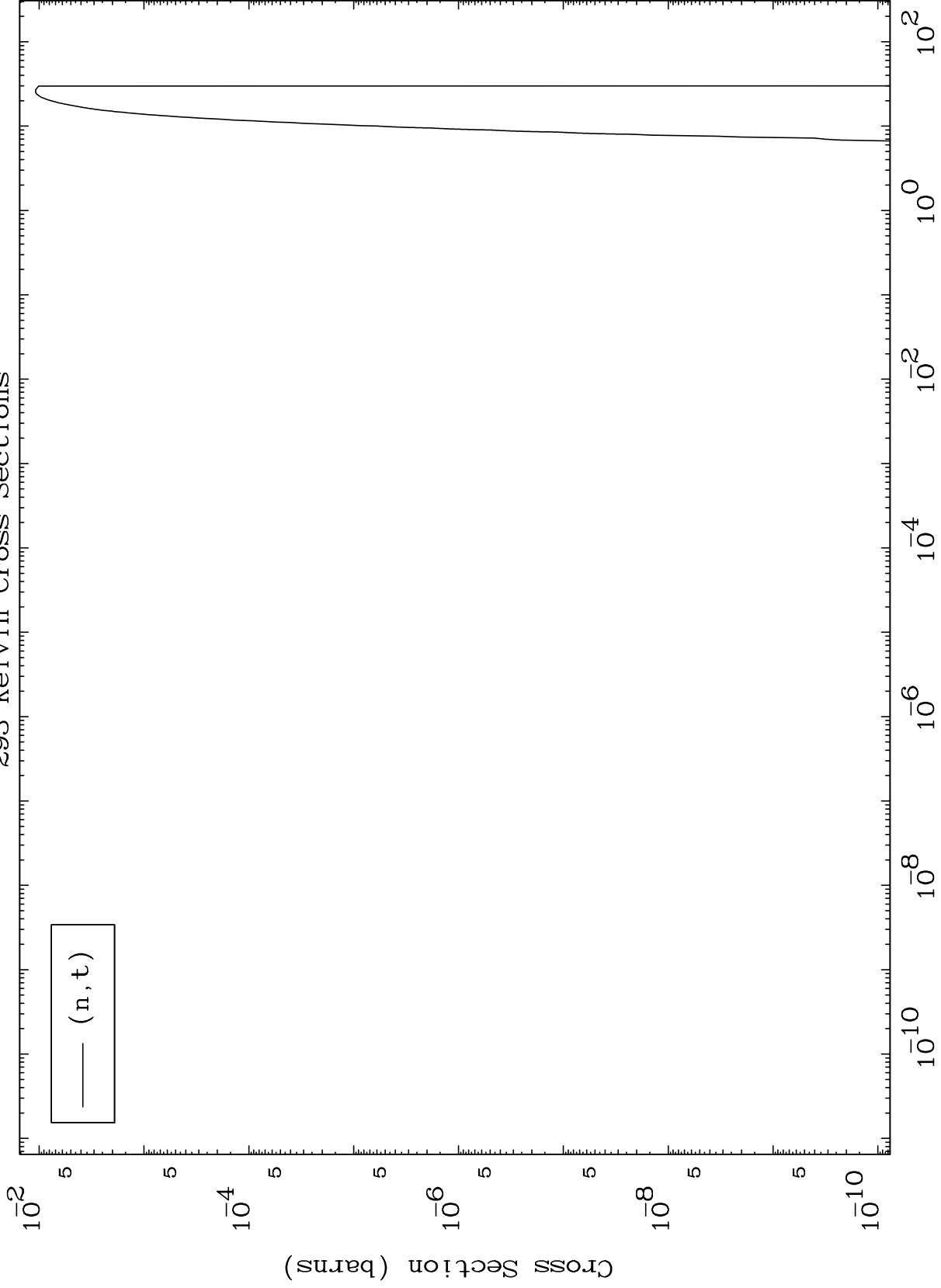
79-Au-176



MAT 7863

(n,t) Levels
293 Kelvin Cross Sections

79-Au-176



10

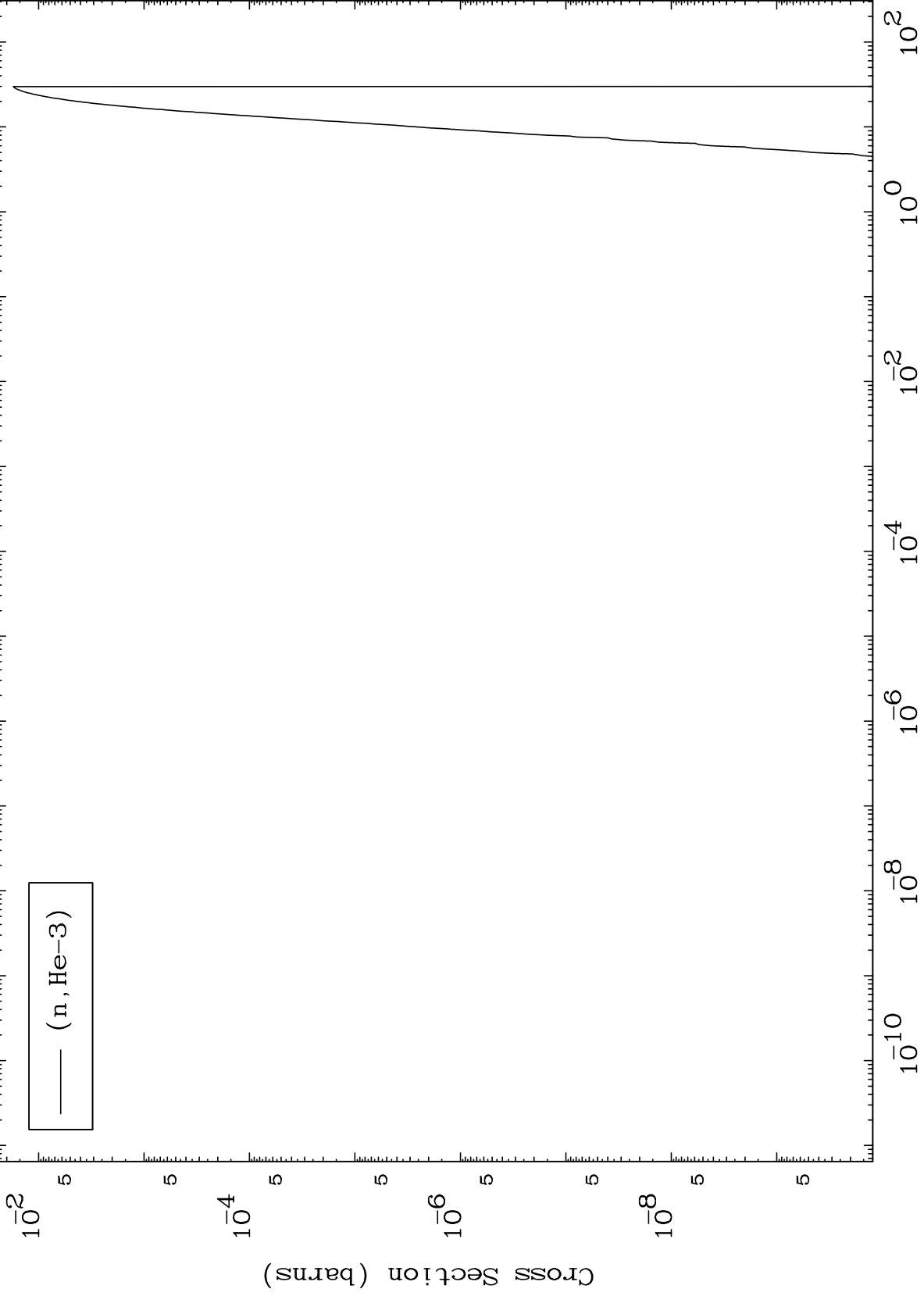
Incident Energy (MeV)

79-Au-176

MAT 7863

(n,He3) Levels
293 Kelvin Cross Sections

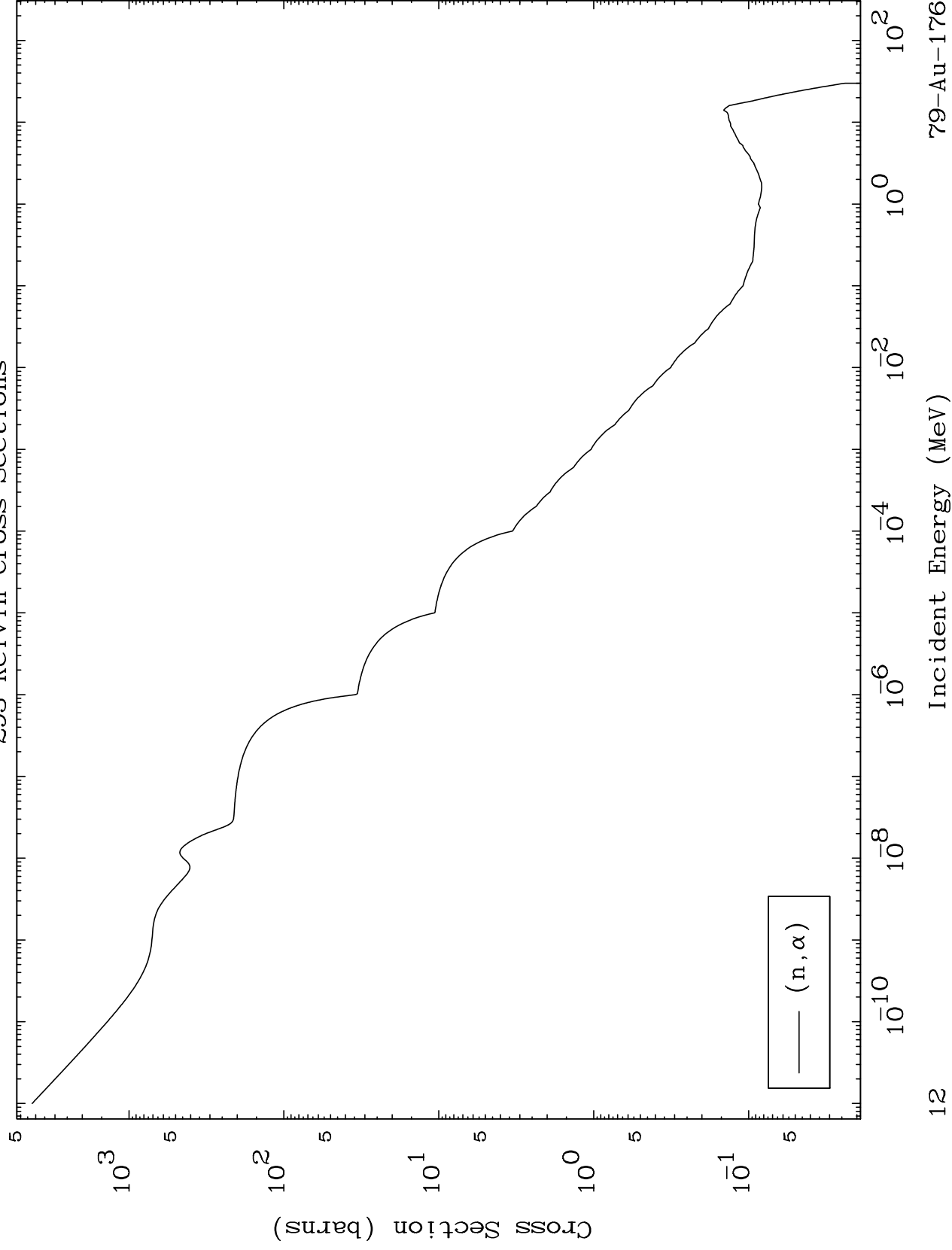
79-Au-176



MAT 7863

(n,α) Levels
293 Kelvin Cross Sections

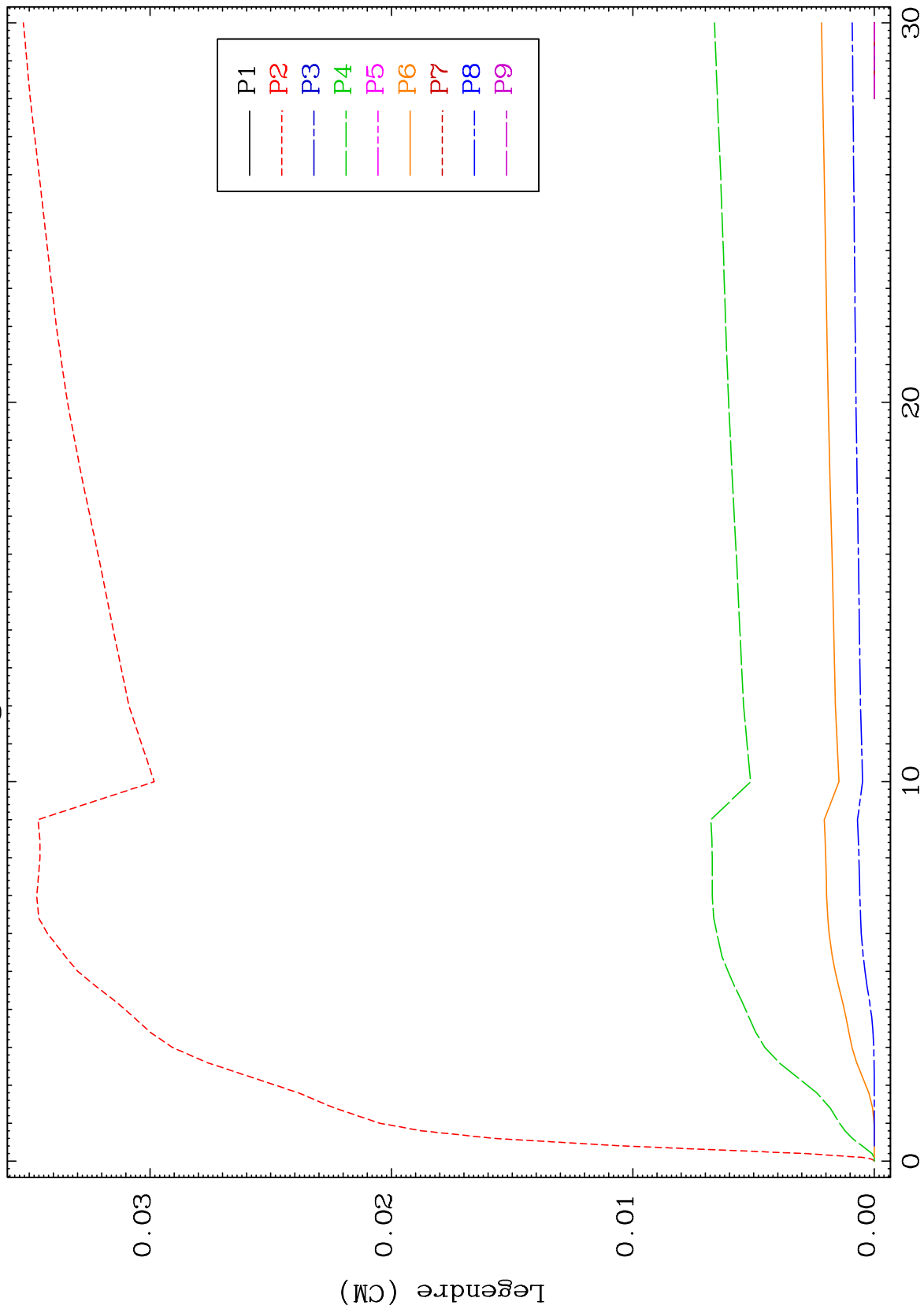
79-Au-176



MAT 7863

Elastic
Legendre Coefficients

79-Au-176



13

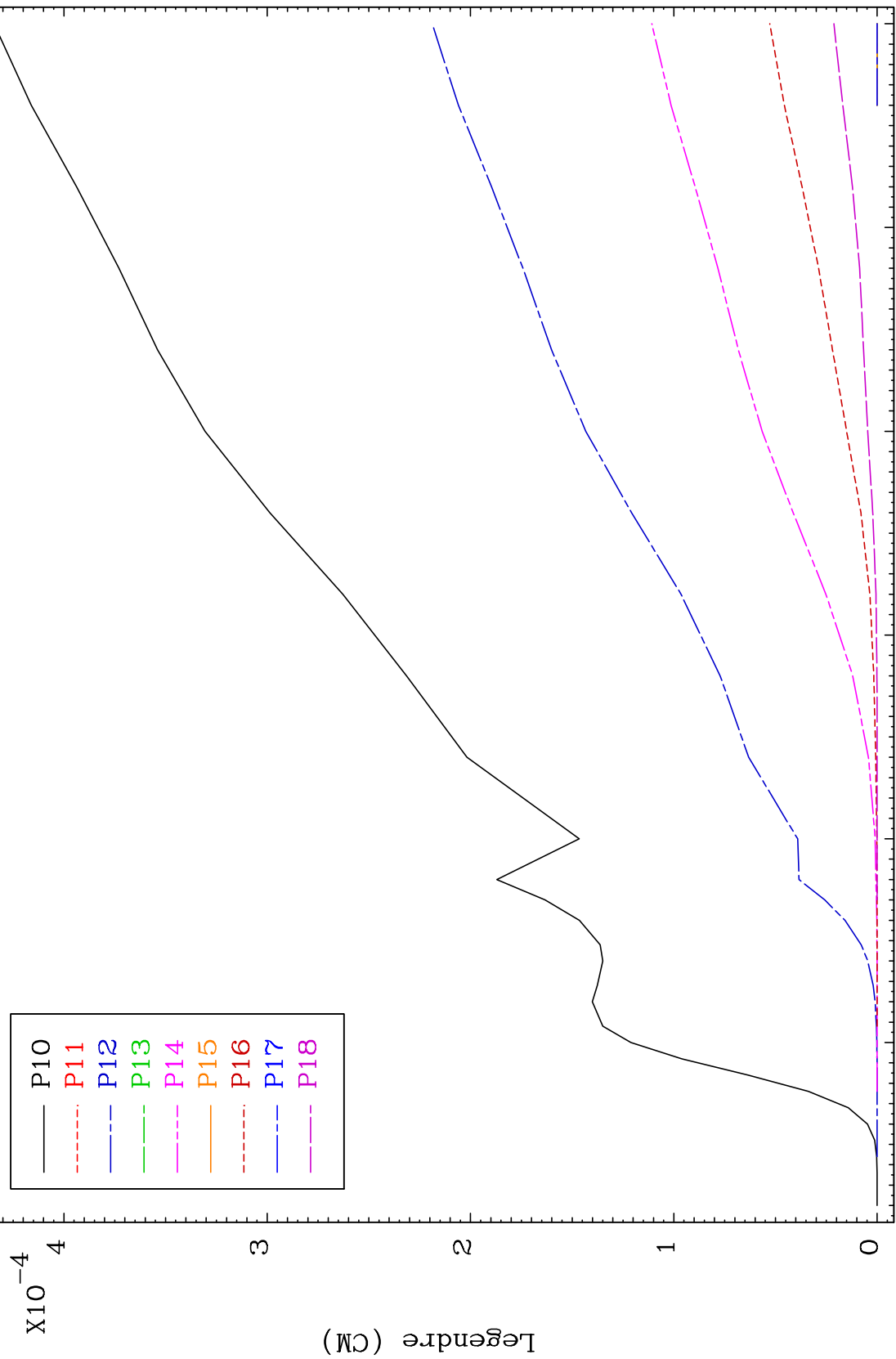
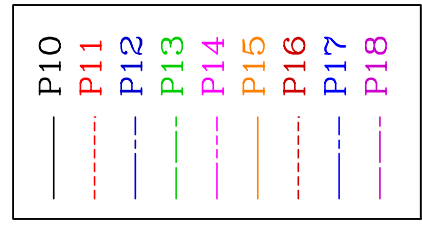
Incident Energy (MeV)

79-Au-176

MAT 7863

Elastic Legendre Coefficients

79-Au-176



14

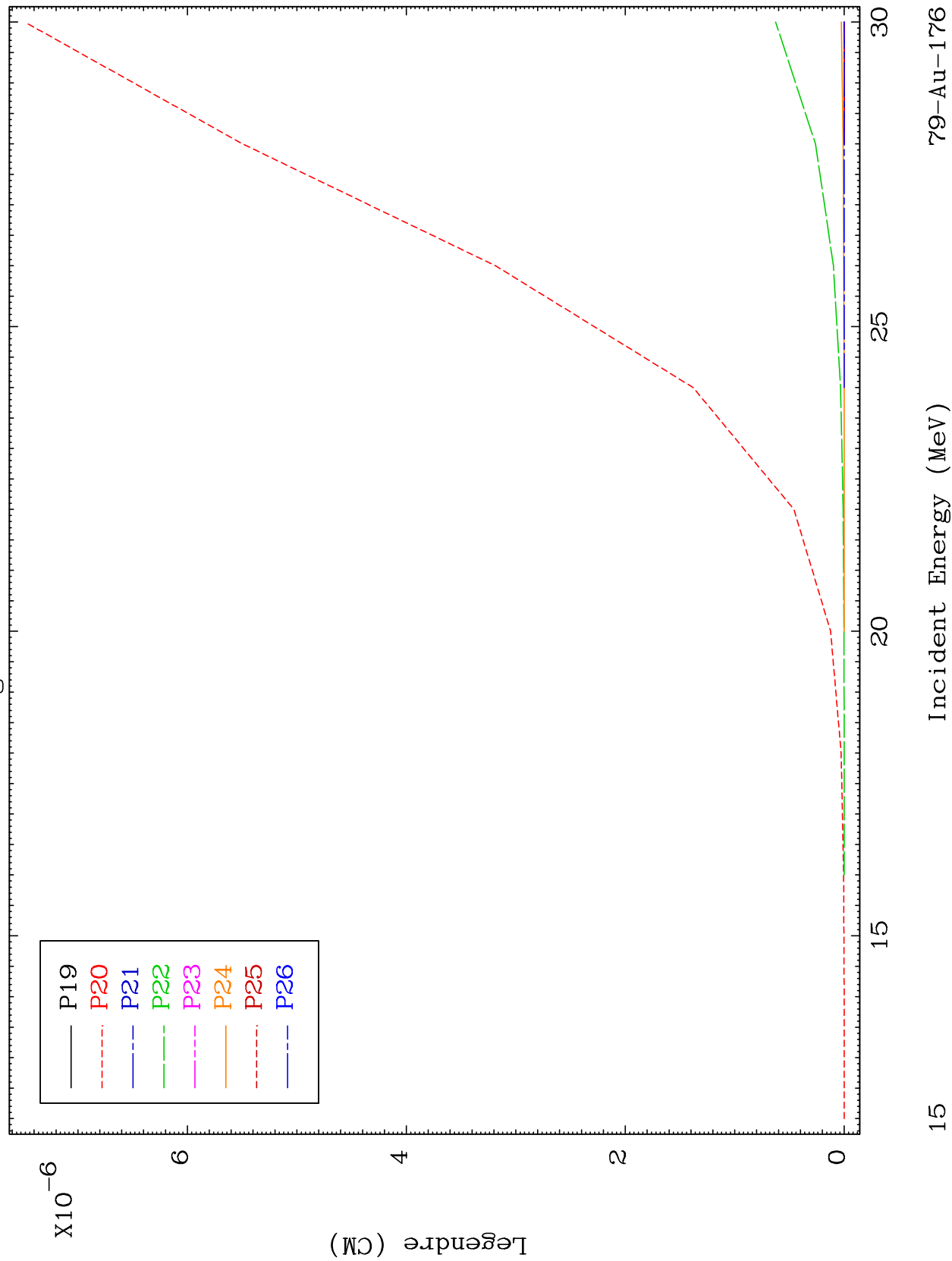
Incident Energy (MeV)

79-Au-176

MAT 7863

Elastic
Legendre Coefficients

79-Au-176



15

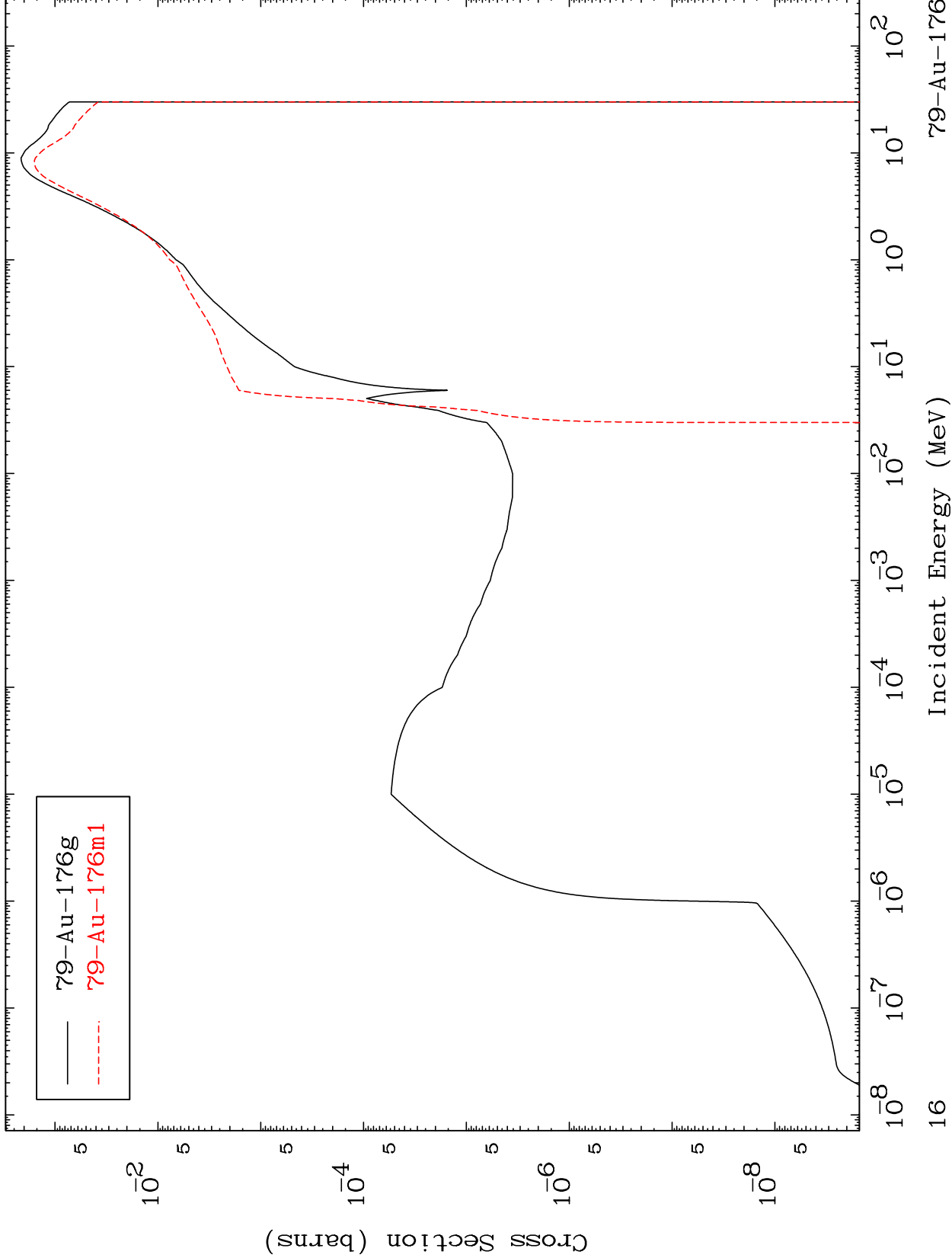
Incident Energy (MeV)

79-Au-176

MAT 7863

Inelastic
Radionuclide Production Cross Section

79-Au-176



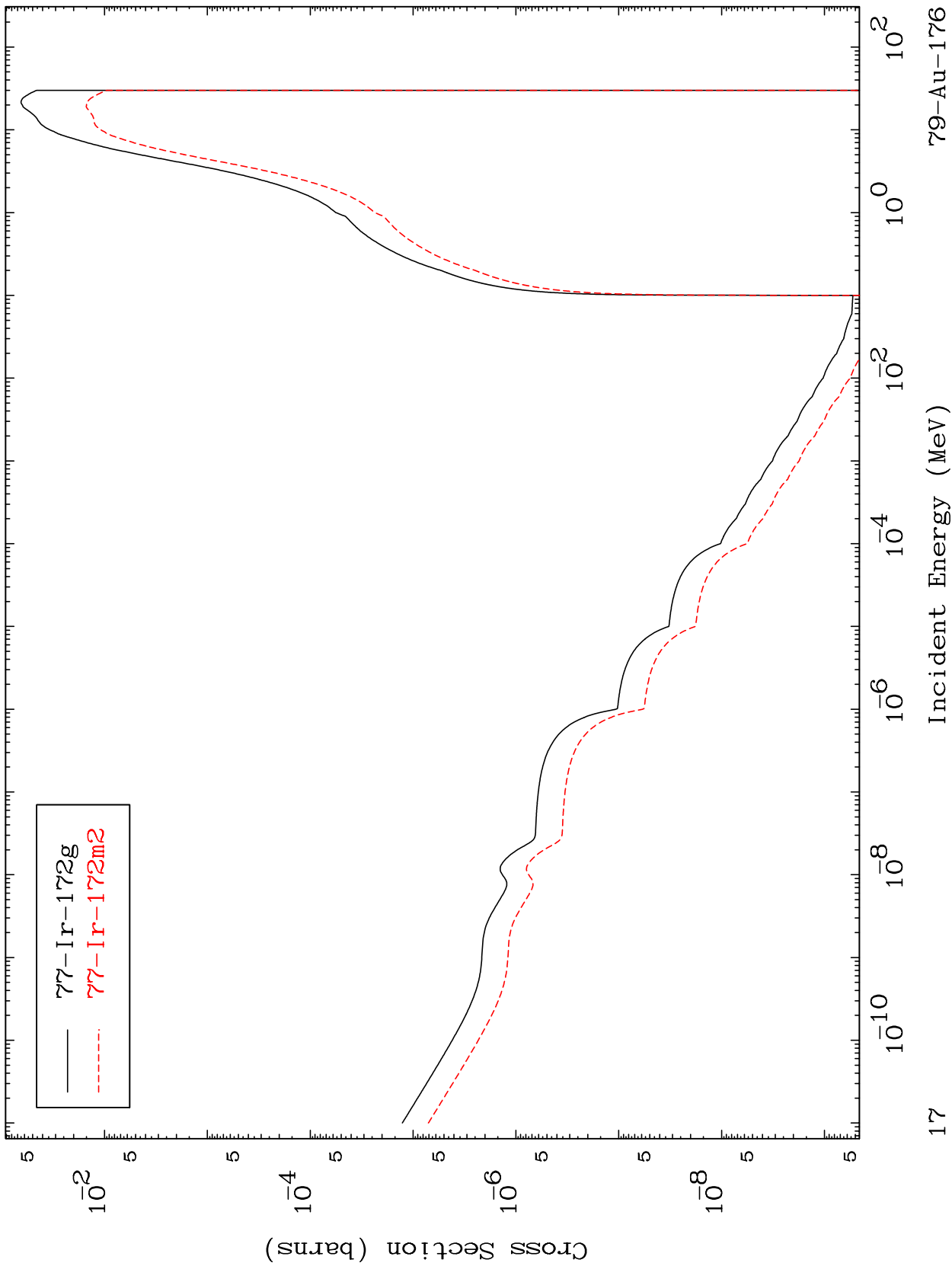
16

MAT 7863

(n, n') α

$^{79}\text{Au-176}$

Radionuclide Production Cross Section

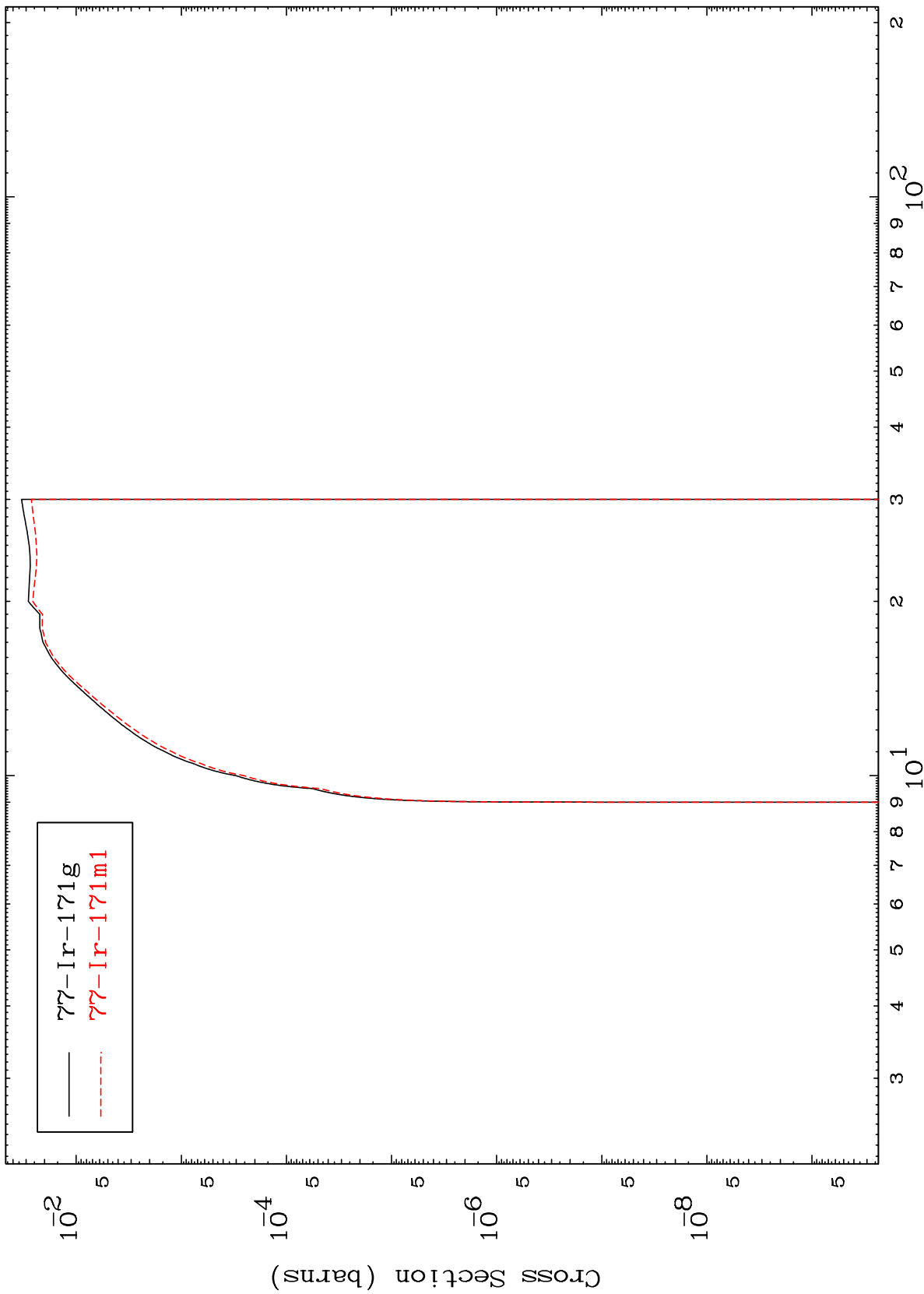


MAT 7863

(n,2n) α

79-Au-176

Radionuclide Production Cross Section

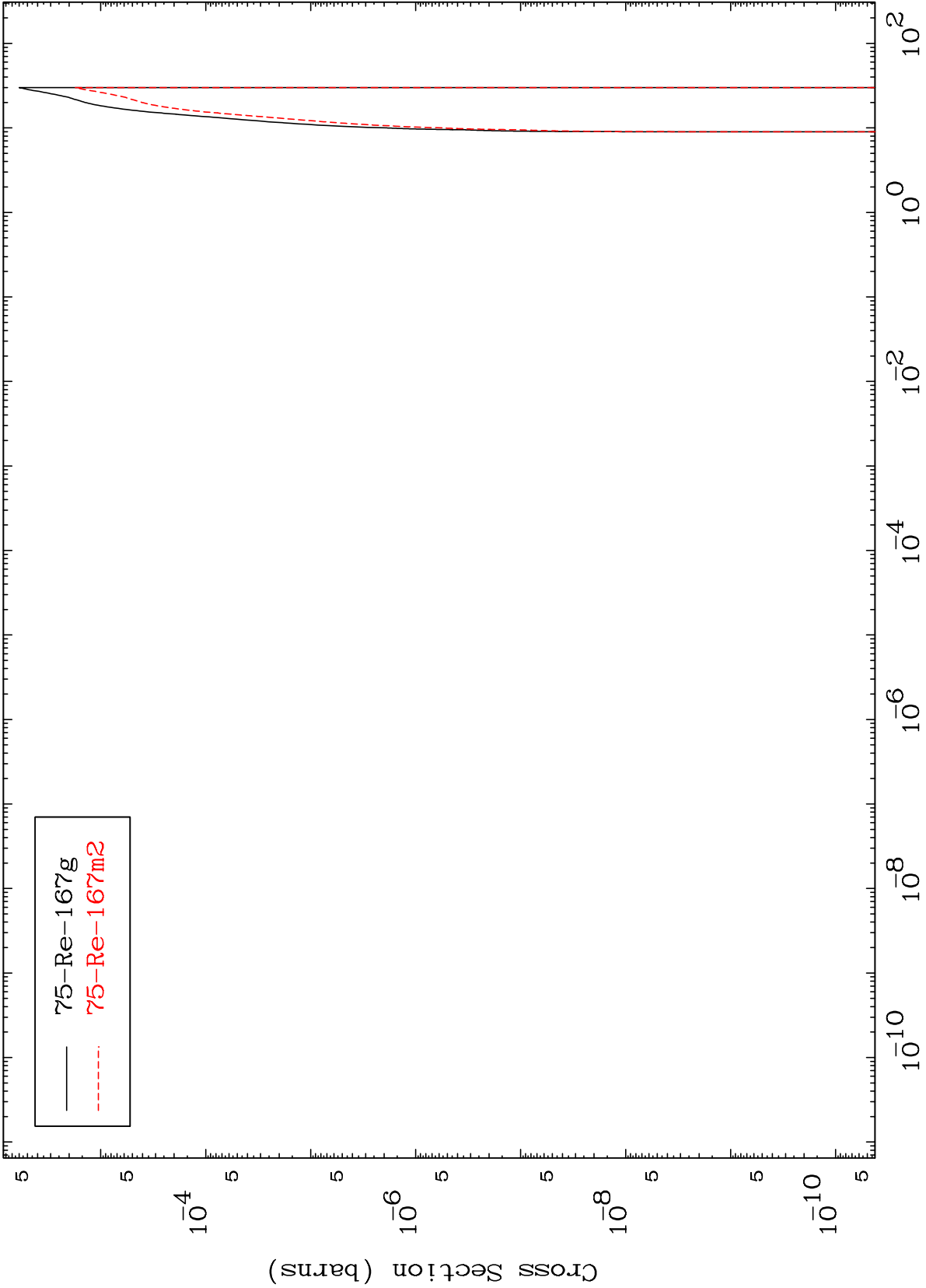


MAT 7863

(n,2n) 2α

79-Au-176

Radionuclide Production Cross Section

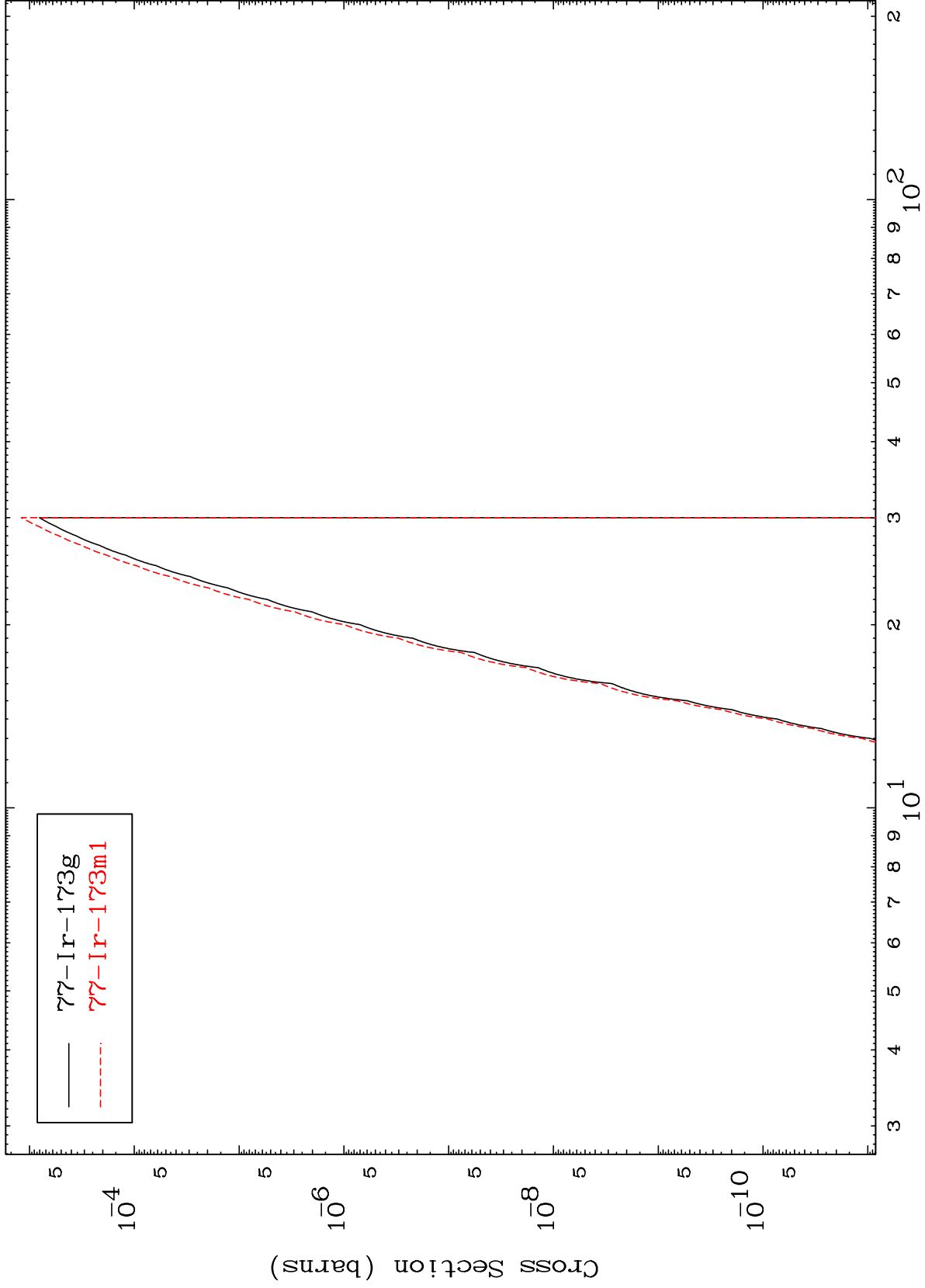


MAT 7863

(n,n') He-3

79-Au-176

Radionuclide Production Cross Section



20

Incident Energy (MeV)

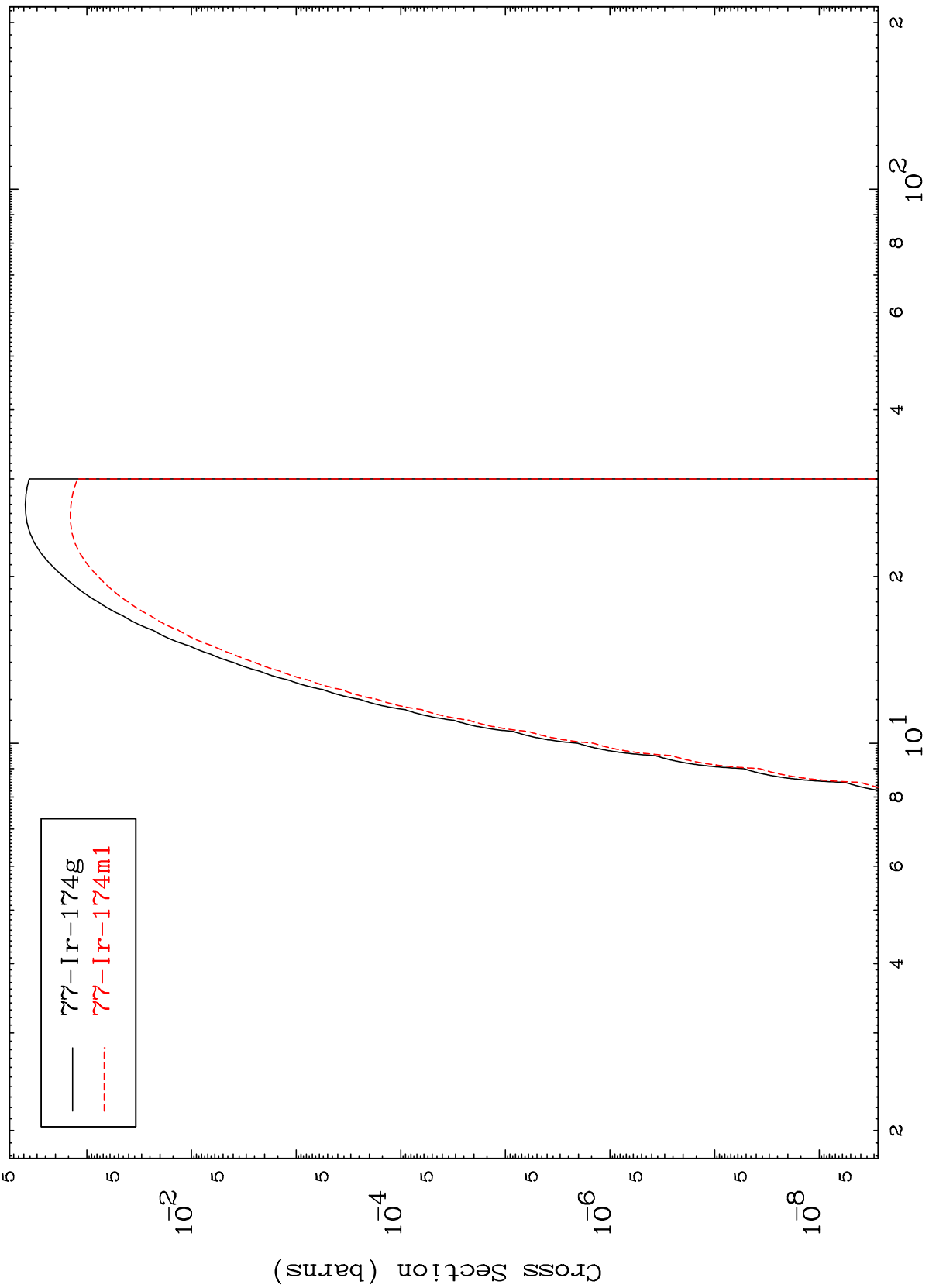
79-Au-176

MAT 7863

(n,2n) p

⁷⁹Au-176

Radionuclide Production Cross Section

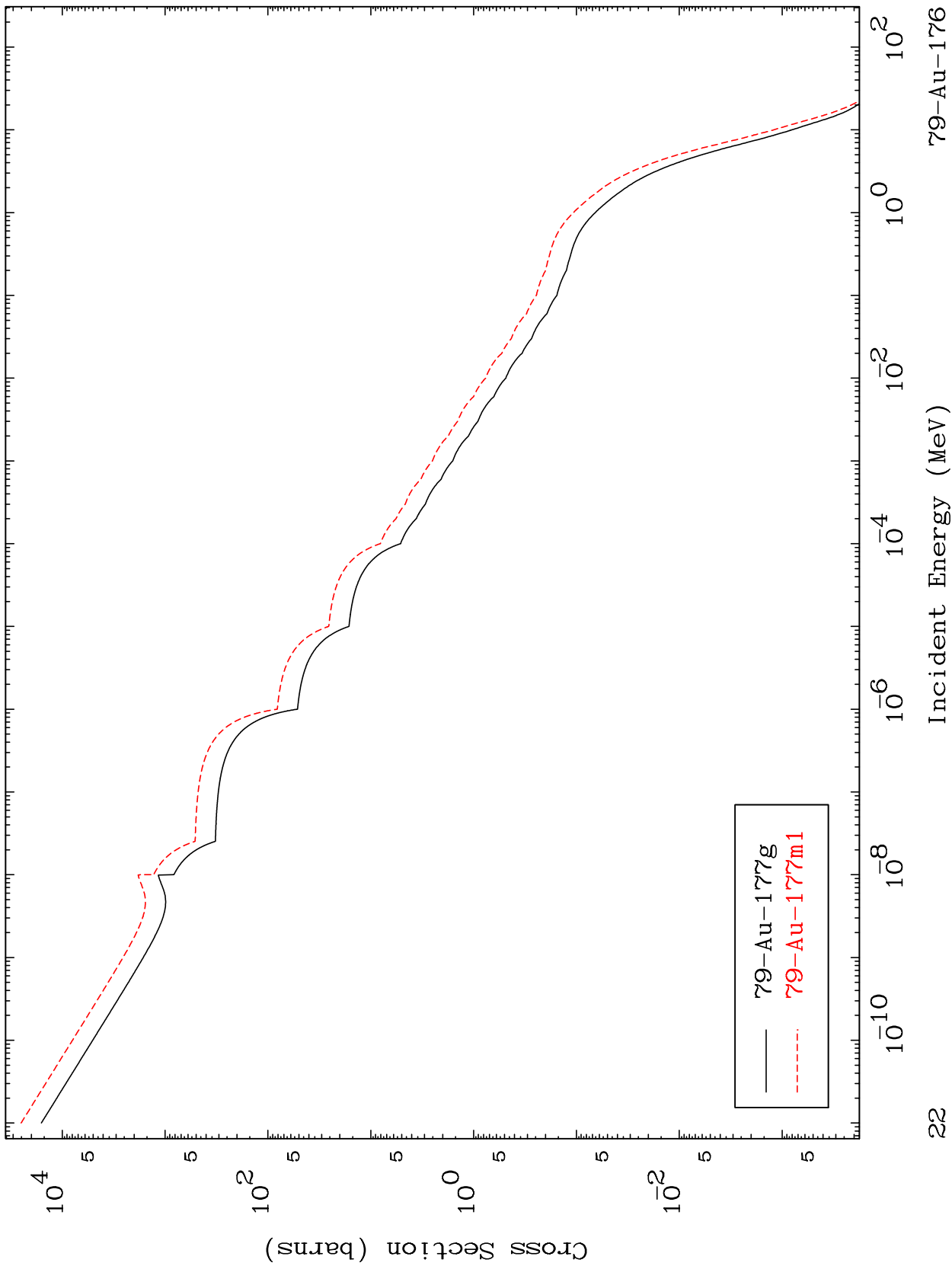


— ⁷⁷Ir-174g
- - - ⁷⁷Ir-174m1

MAT 7863

79-Au-176

(n, γ)
Radionuclide Production Cross Section

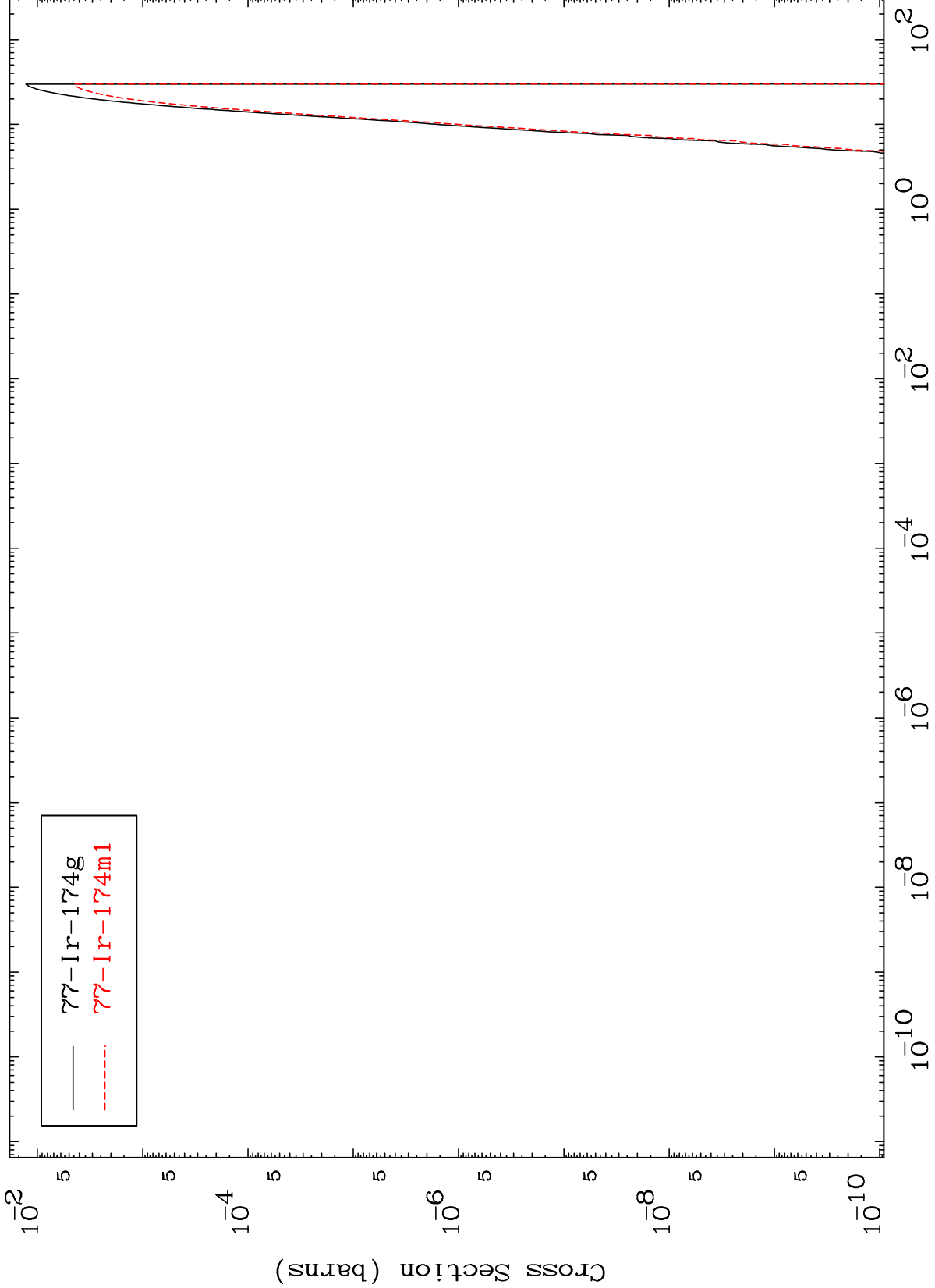


MAT 7863

(n,He-3)

79-Au-176

Radionuclide Production Cross Section



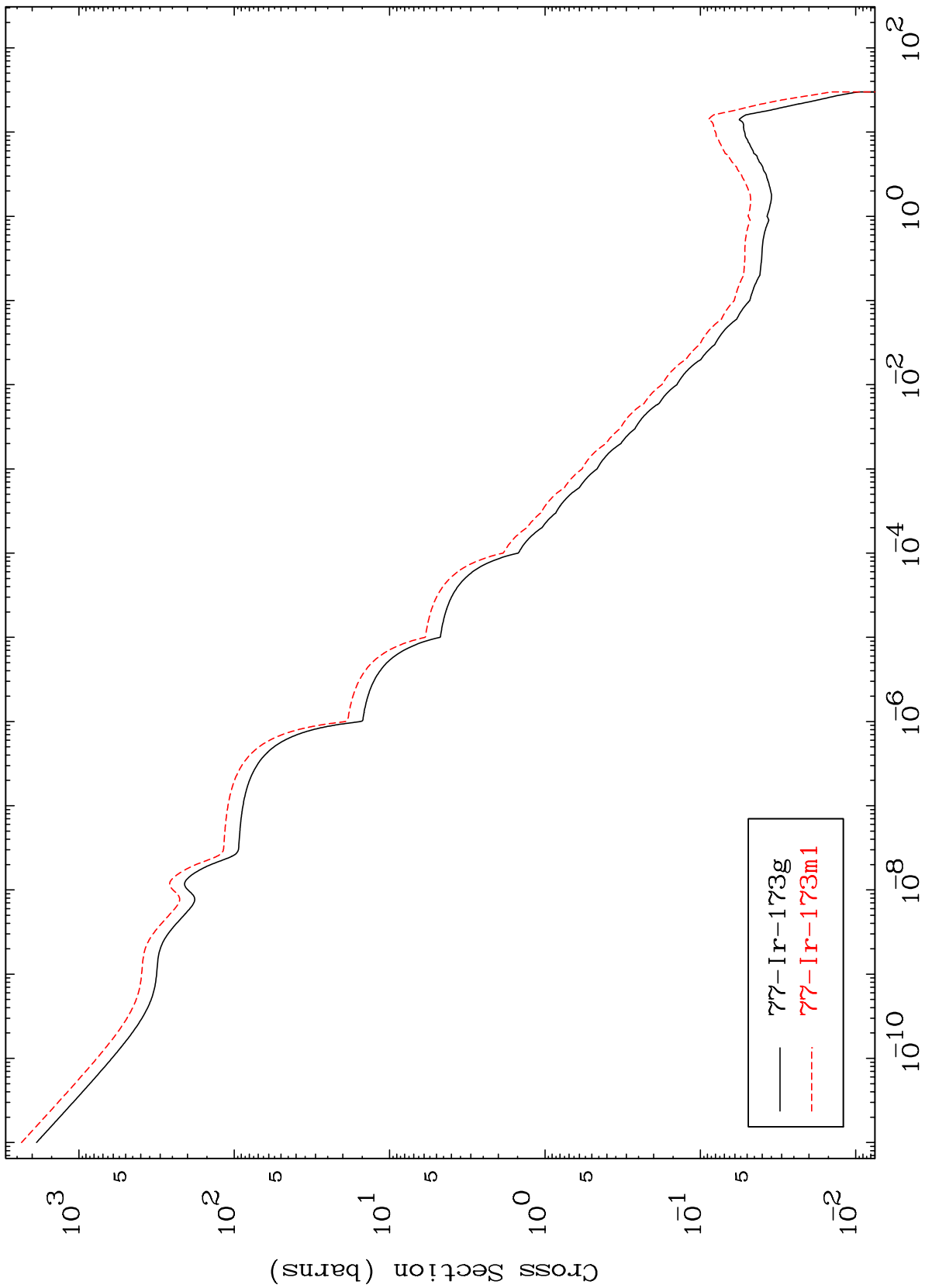
— $^{77}\text{Ir-174g}$
- - - $^{77}\text{Ir-174m1}$

MAT 7863

(n, α)

79-Au-176

Radionuclide Production Cross Section

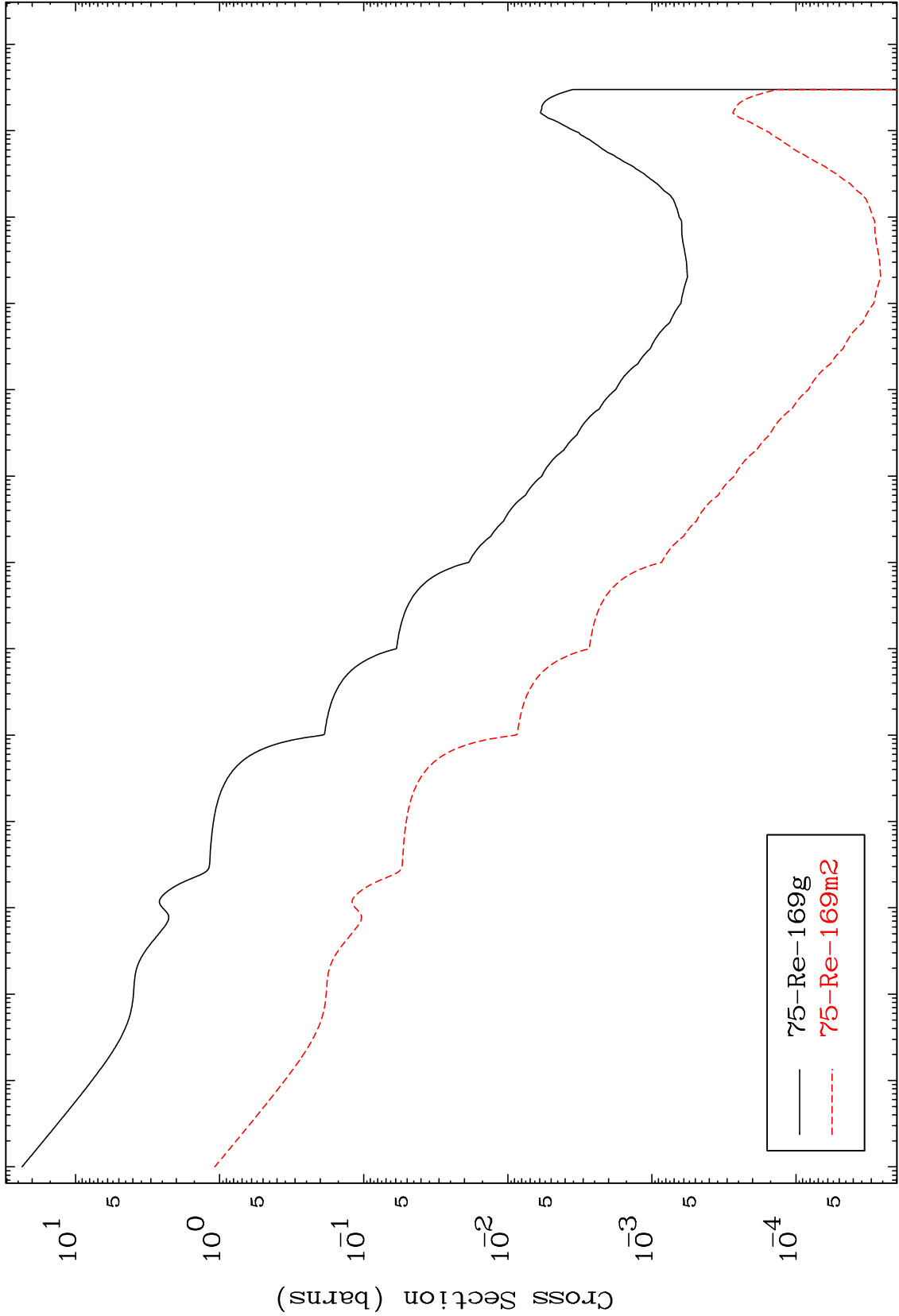


MAT 7863

(n,2α)

79-Au-176

Radionuclide Production Cross Section



79-Au-176

10²

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10¹

10⁰

Incident Energy (MeV)

79-Au-176

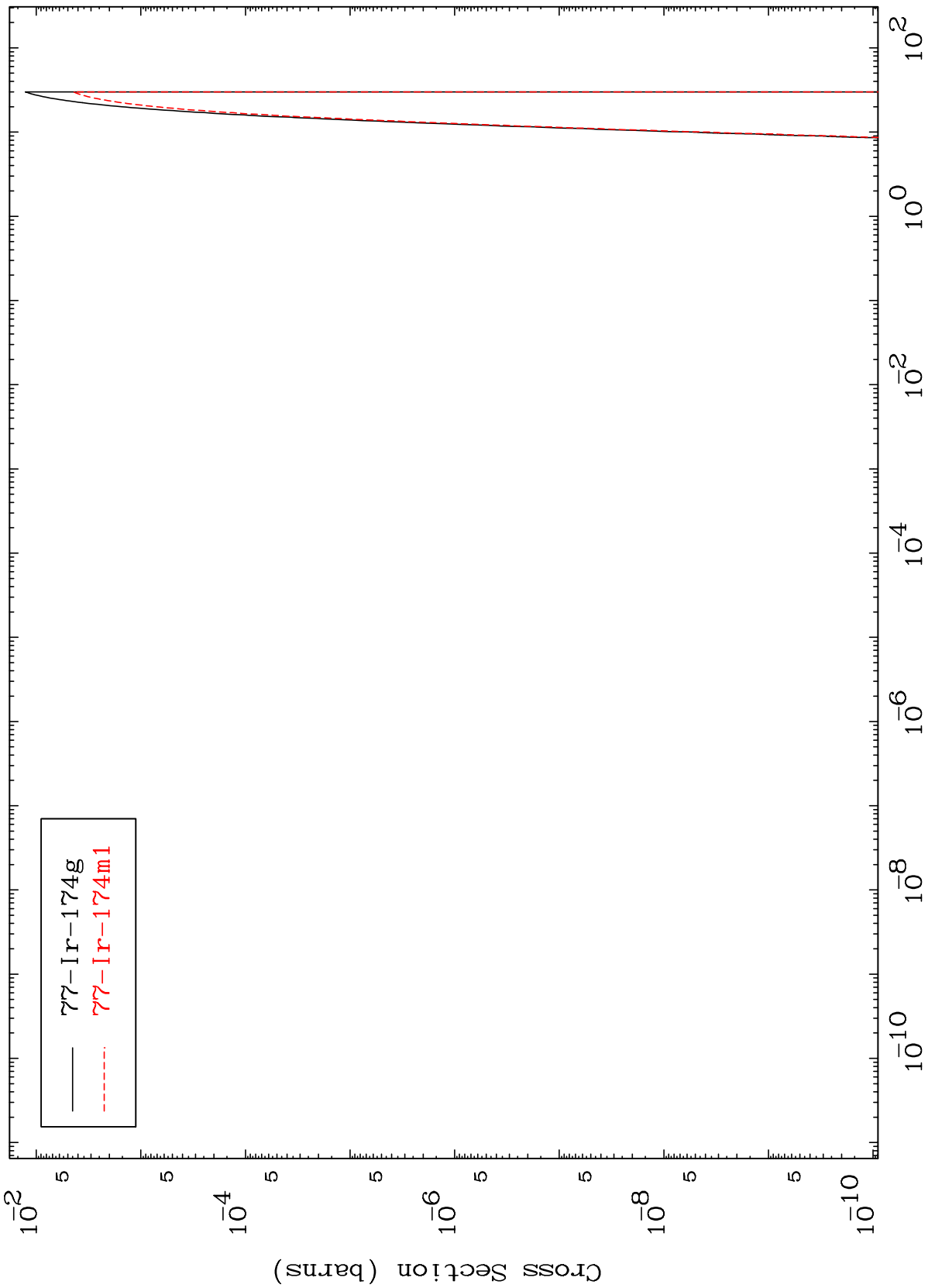
25

MAT 7863

(n,p) d

⁷⁹Au-176

Radionuclide Production Cross Section



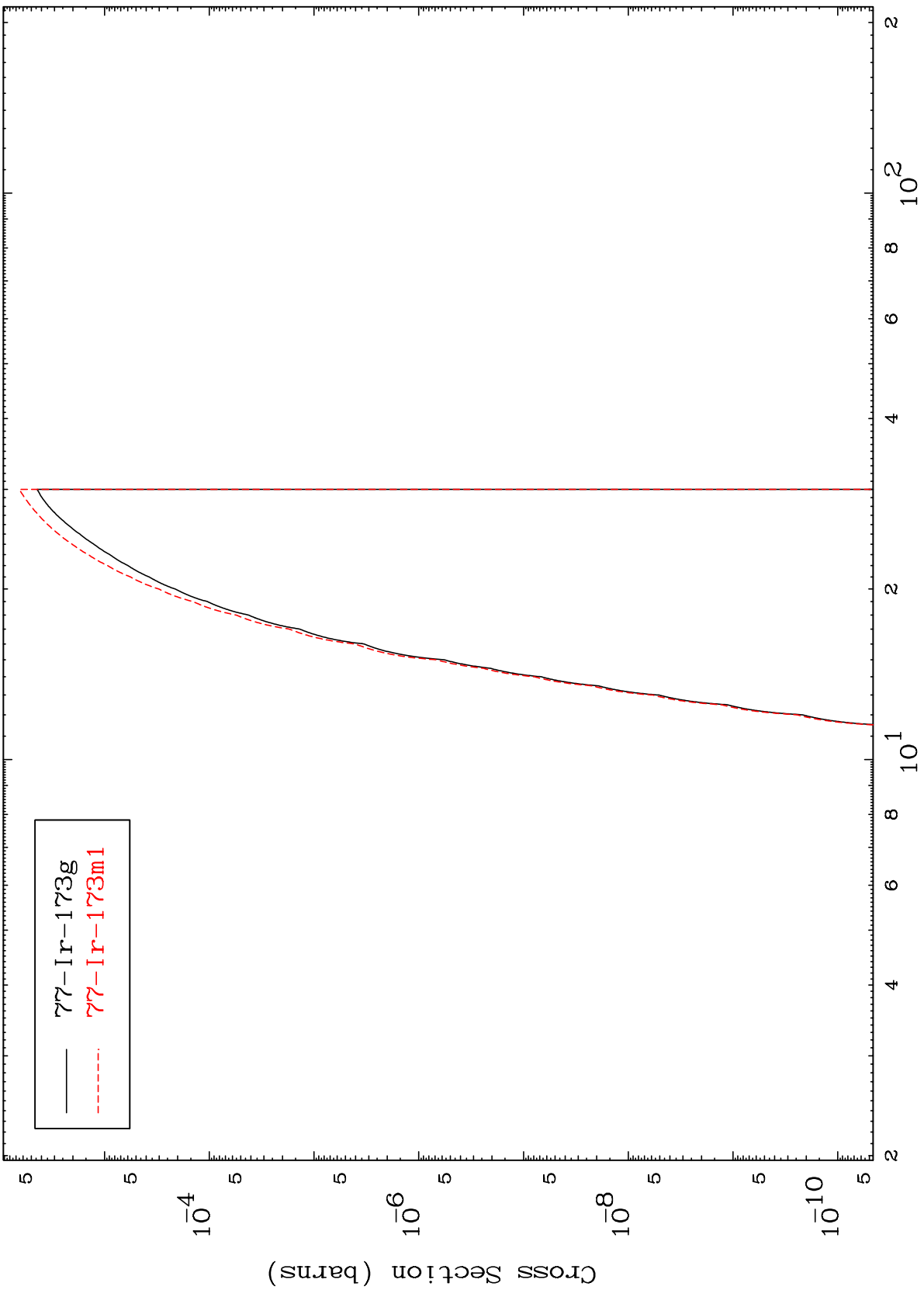
— ⁷⁷Ir-174g
- - - ⁷⁷Ir-174m1

MAT 7863

(n,p) t

⁷⁹Au-176

Radionuclide Production Cross Section



— ⁷⁷Ir-173g
- - - ⁷⁷Ir-173m1