

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

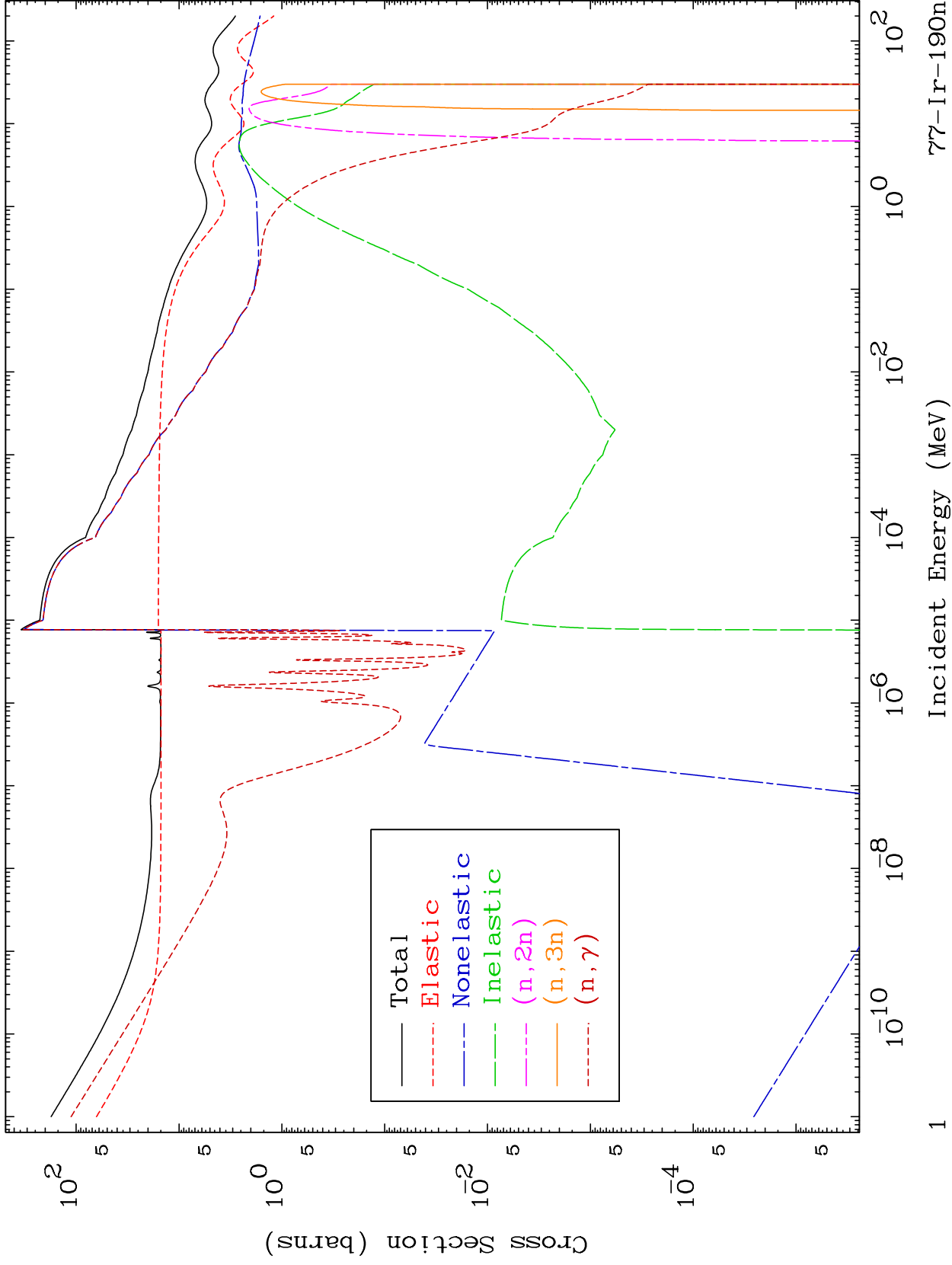
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7724

Neutron Major
293 Kelvin Cross Sections

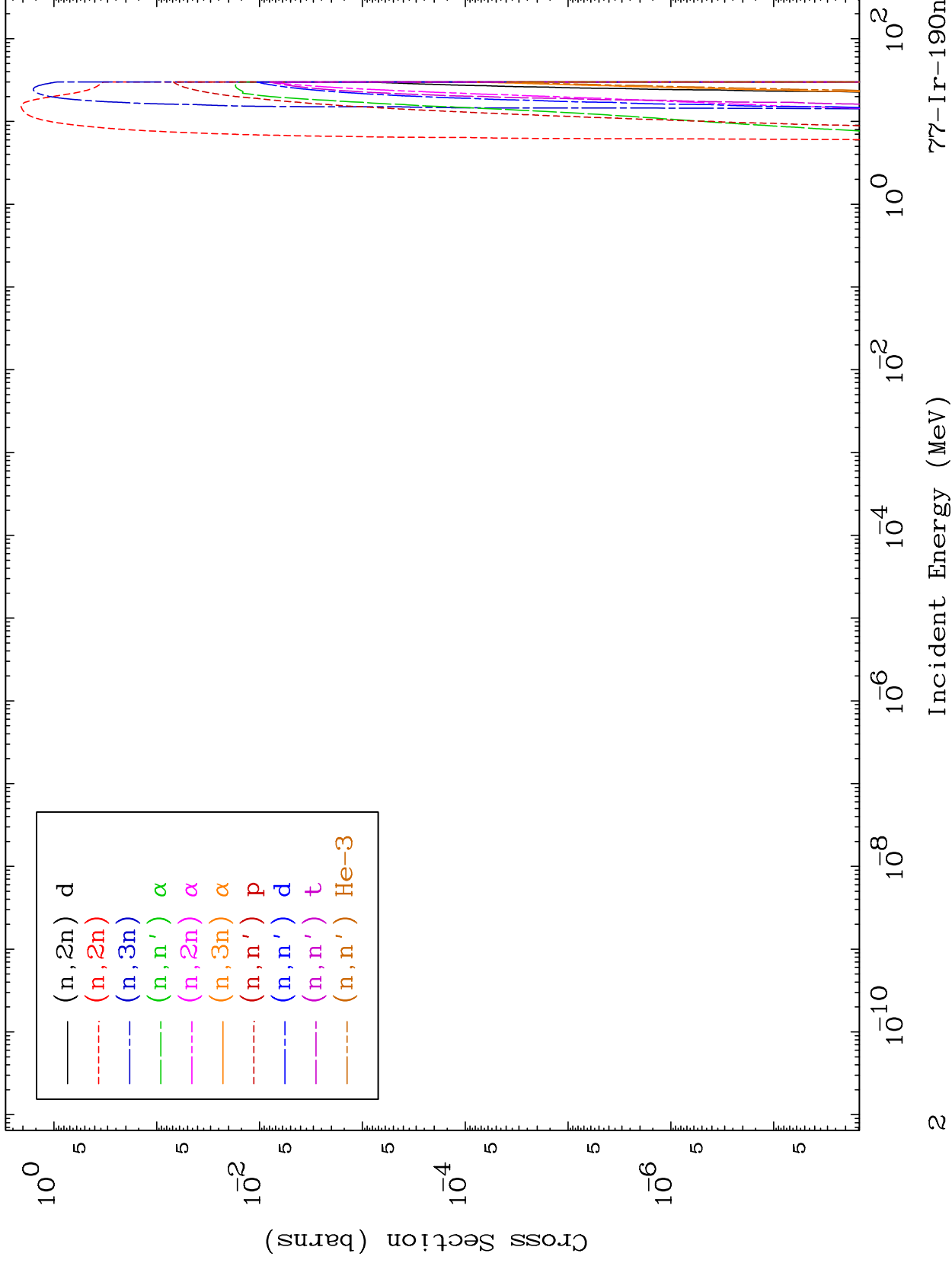
77-Ir-190n



MAT 7724

Neutron Absorption
293 Kelvin Cross Sections

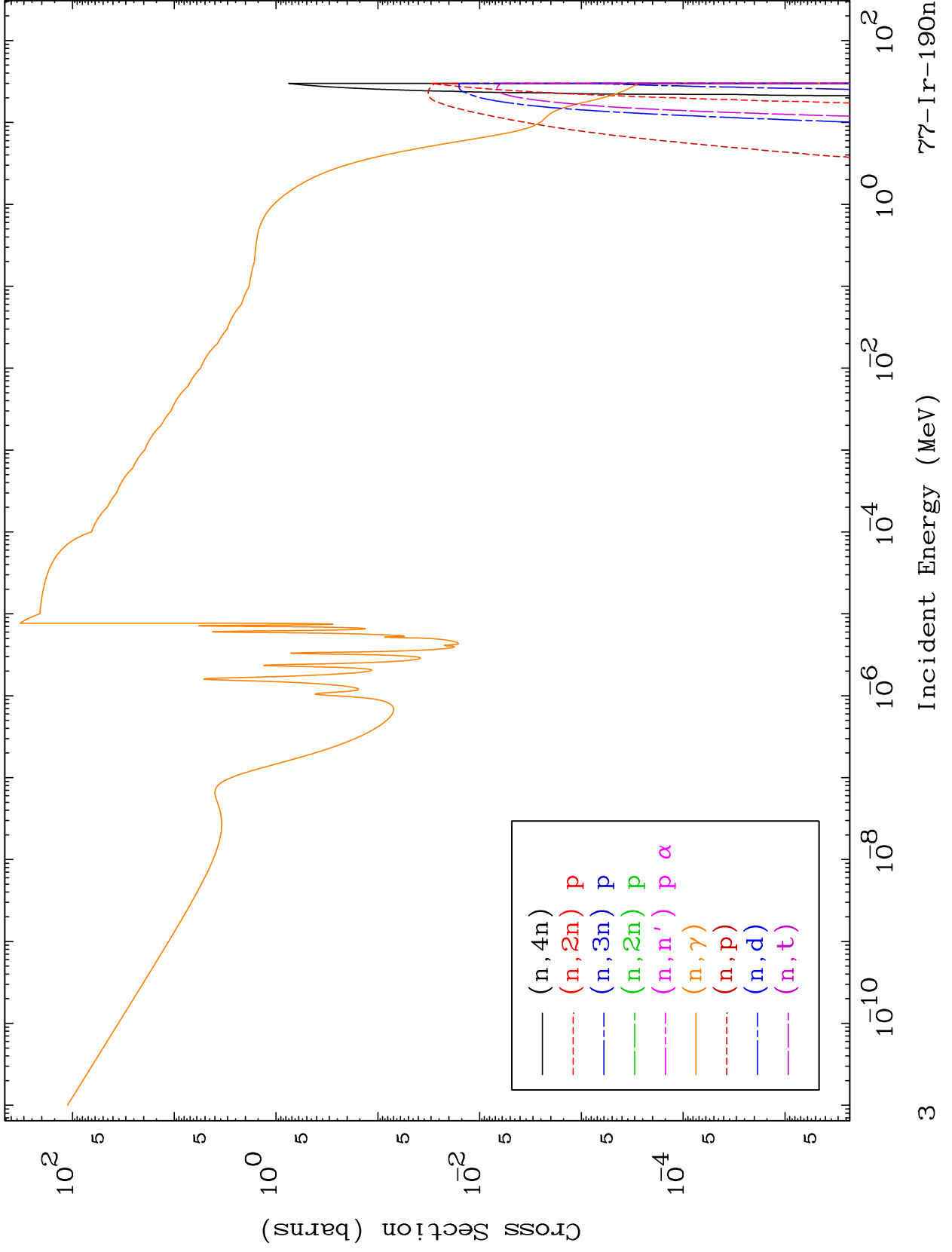
77-Ir-190n



MAT 7724

Neutron Absorption
293 Kelvin Cross Sections

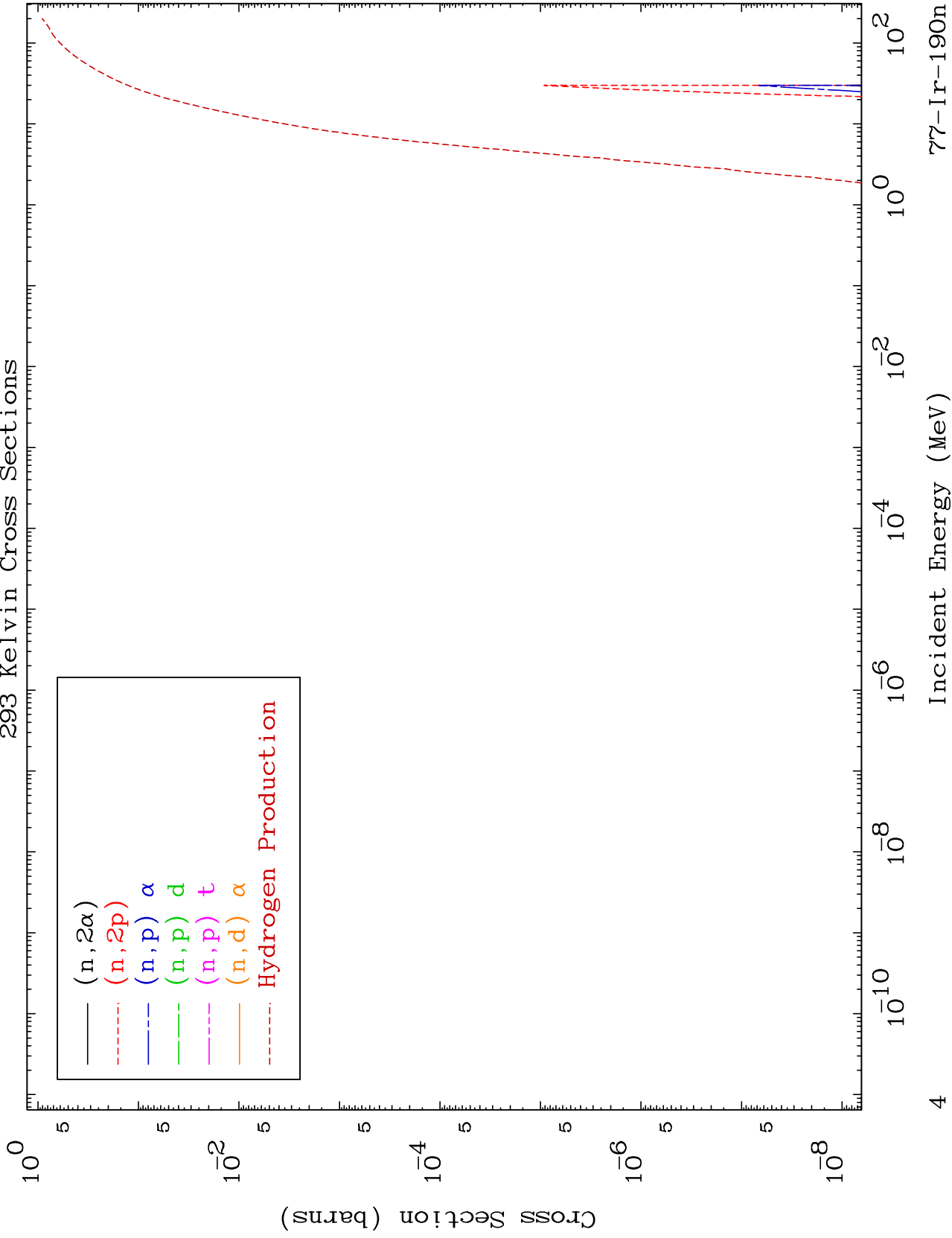
77-Ir-190n



MAT 7724

Neutron Absorption
293 Kelvin Cross Sections

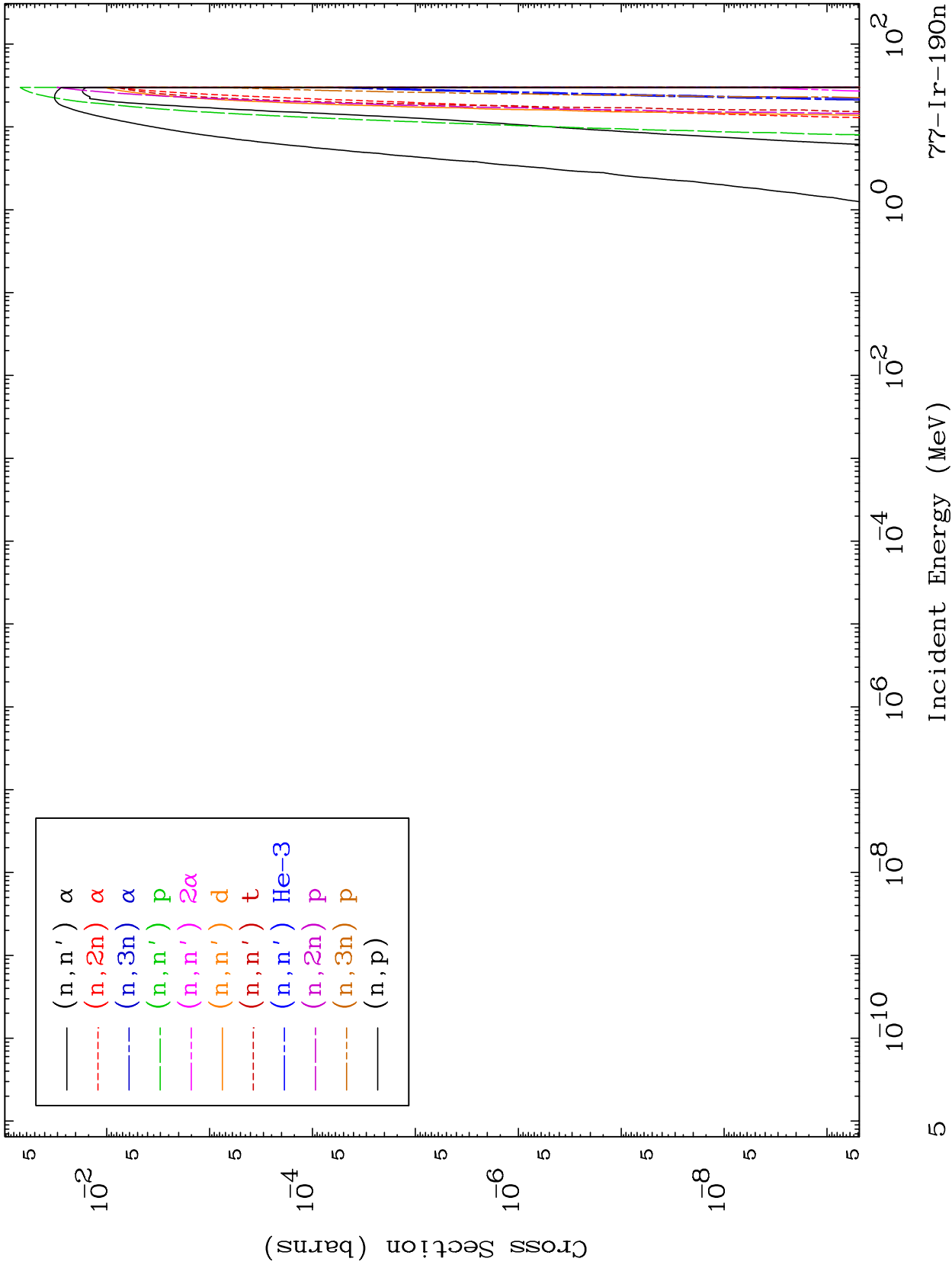
77-Ir-190n



MAT 7724

Charged Particle
293 Kelvin Cross Sections

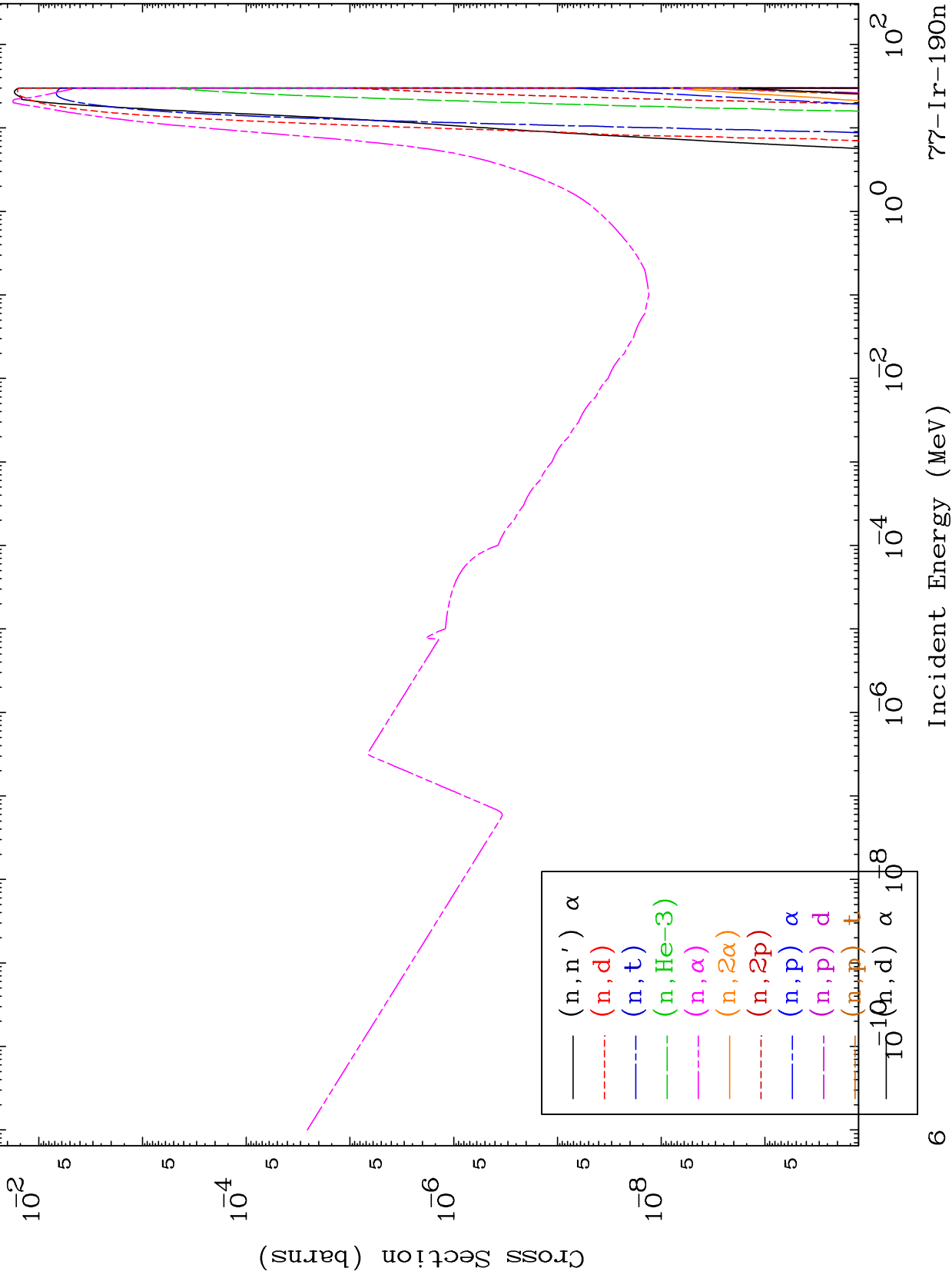
77-Ir-190n



MAT 7724

Charged Particle
293 Kelvin Cross Sections

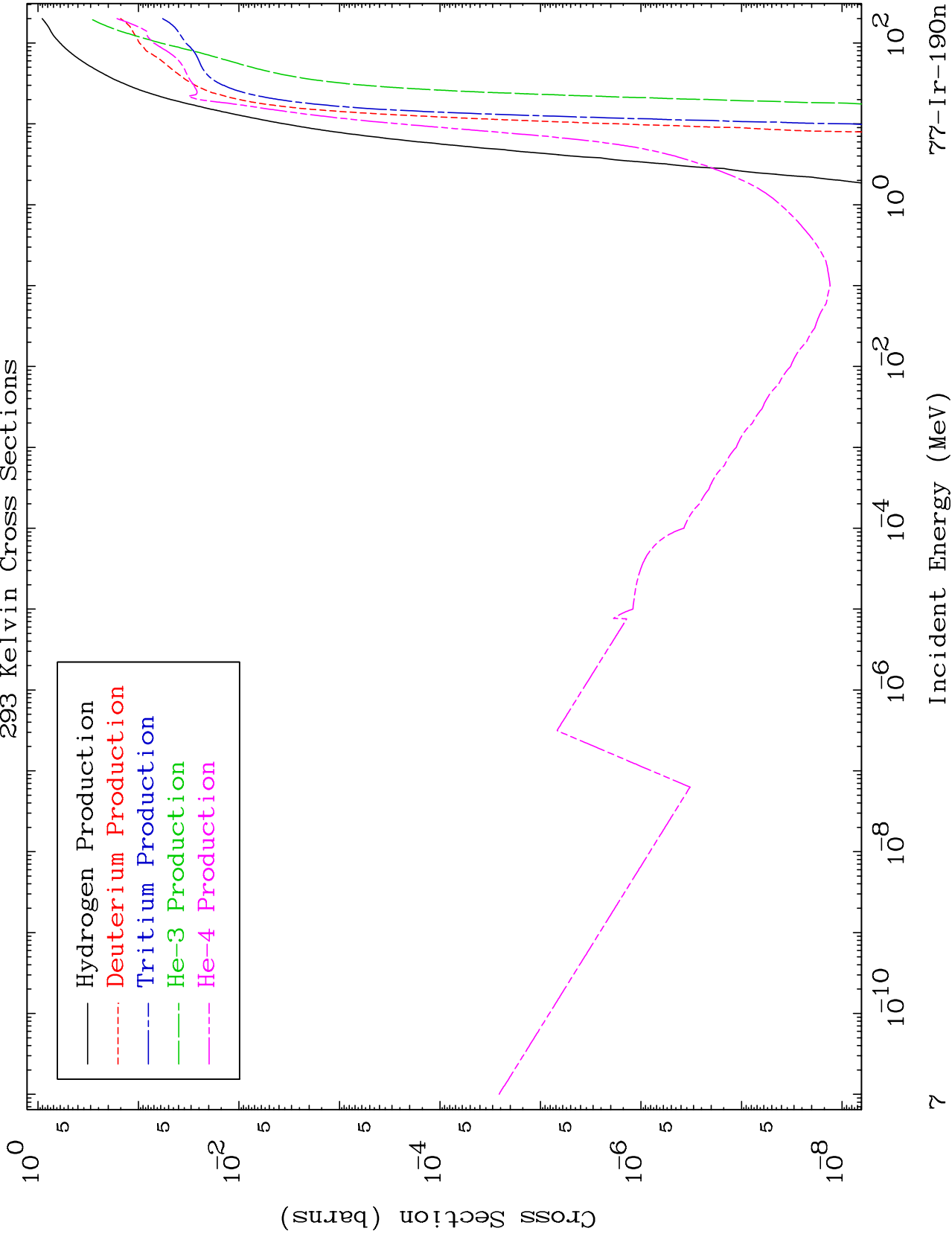
⁷⁷Ir-190n



MAT 7724

Particle Production
293 Kelvin Cross Sections

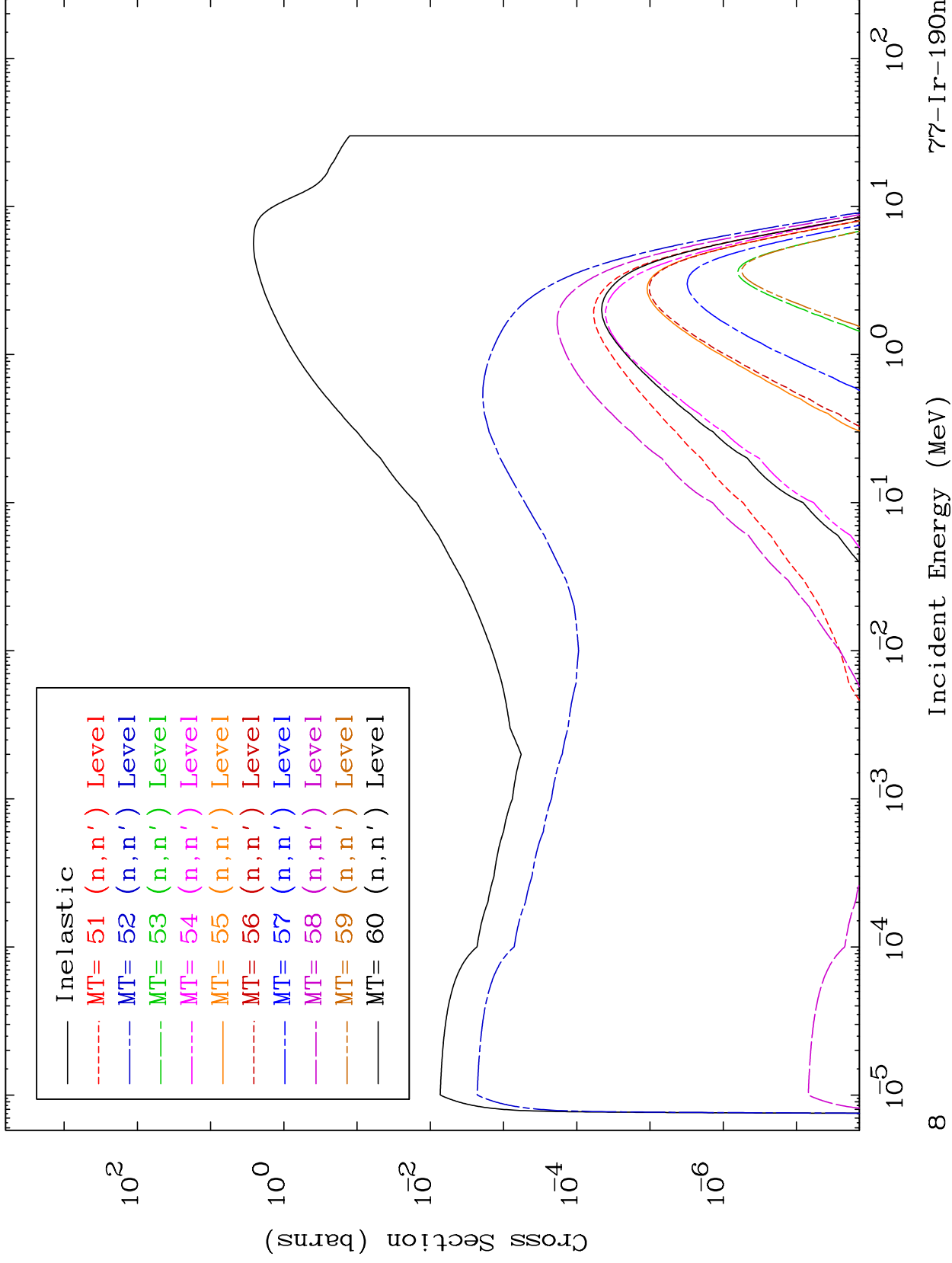
77-Ir-190n



MAT 7724

(n,n') Levels
293 Kelvin Cross Sections

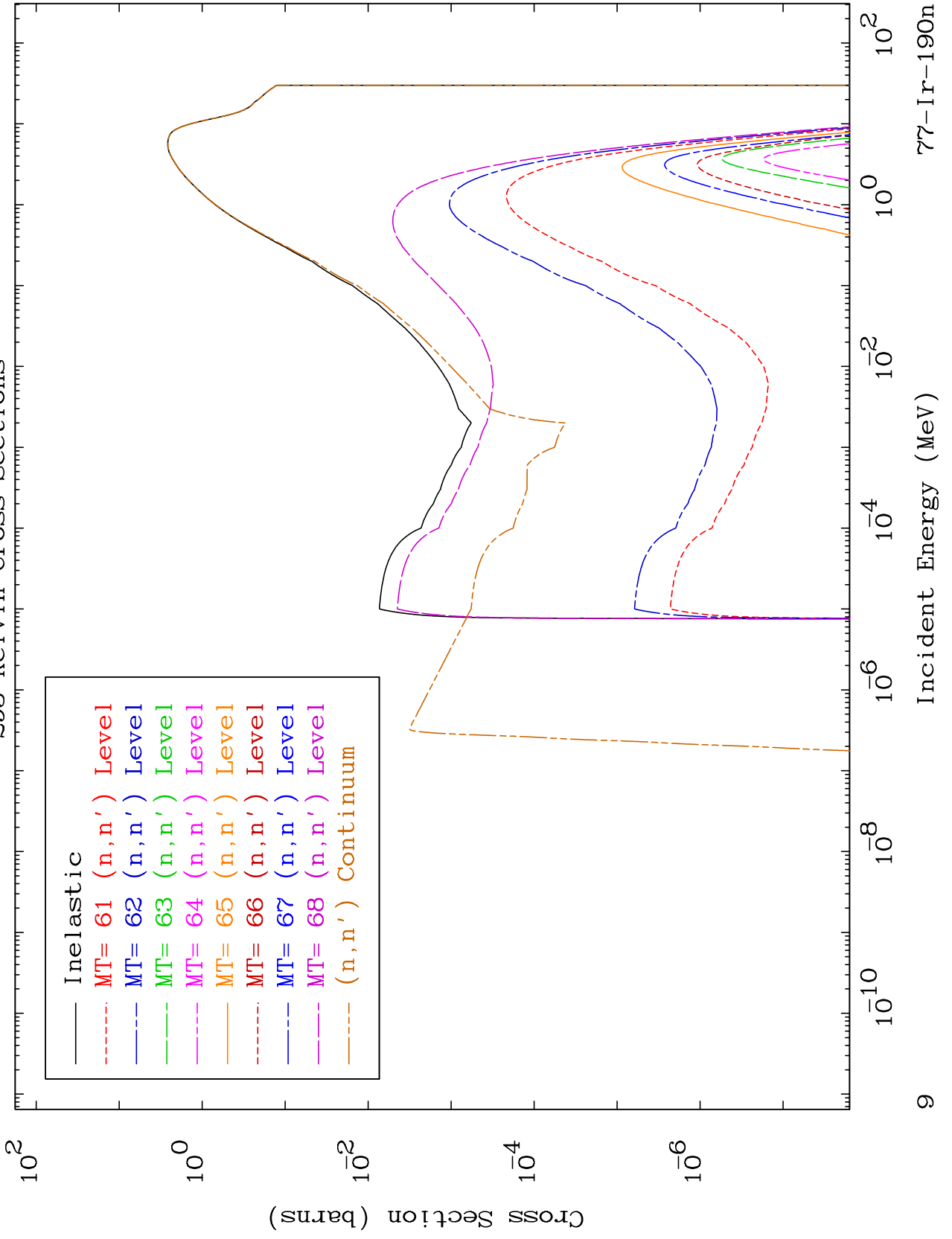
77-Ir-190n



MAT 7724

(n,n') Levels
293 Kelvin Cross Sections

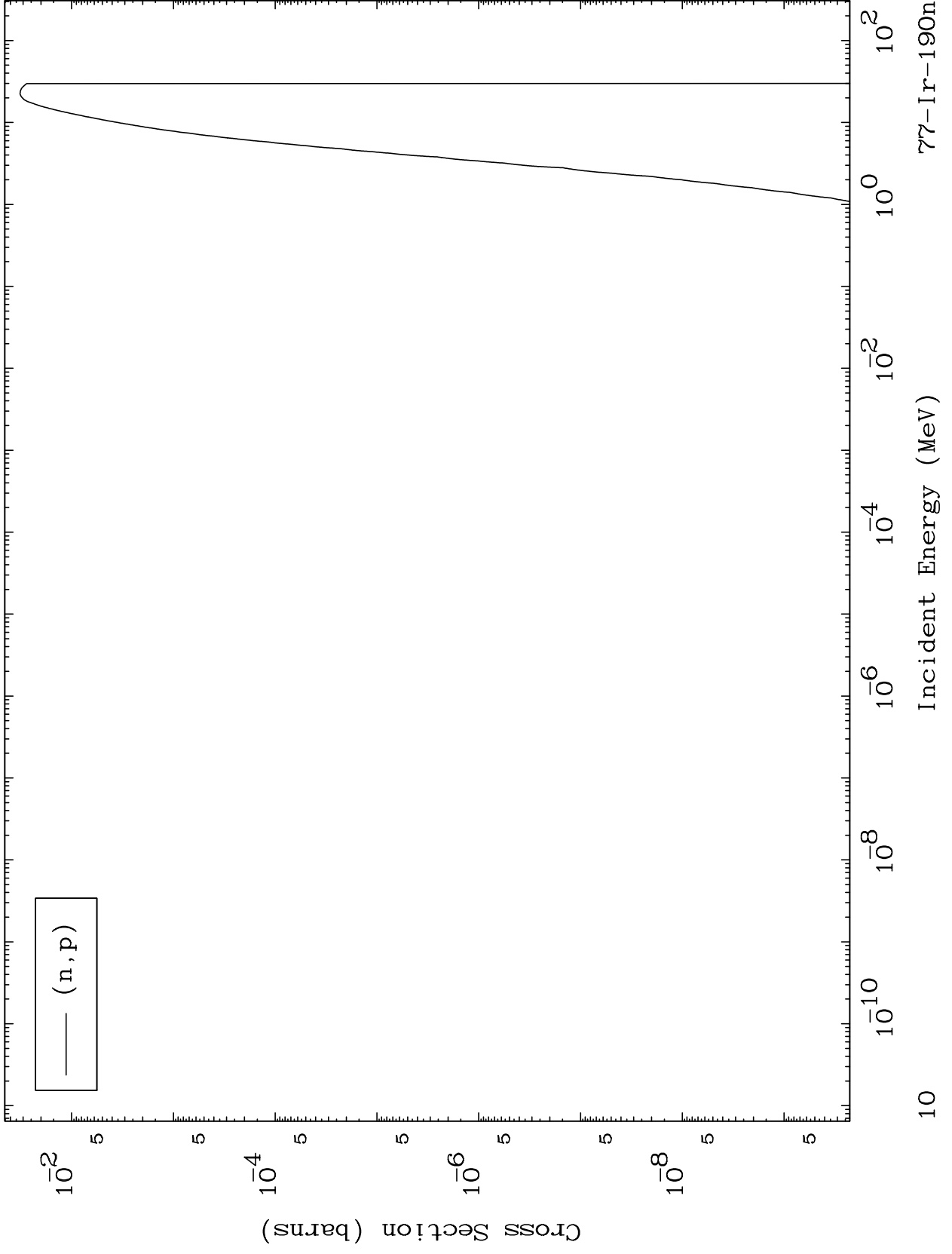
77-Ir-190n



MAT 7724

(n,p) Levels
293 Kelvin Cross Sections

⁷⁷Ir-190n



10

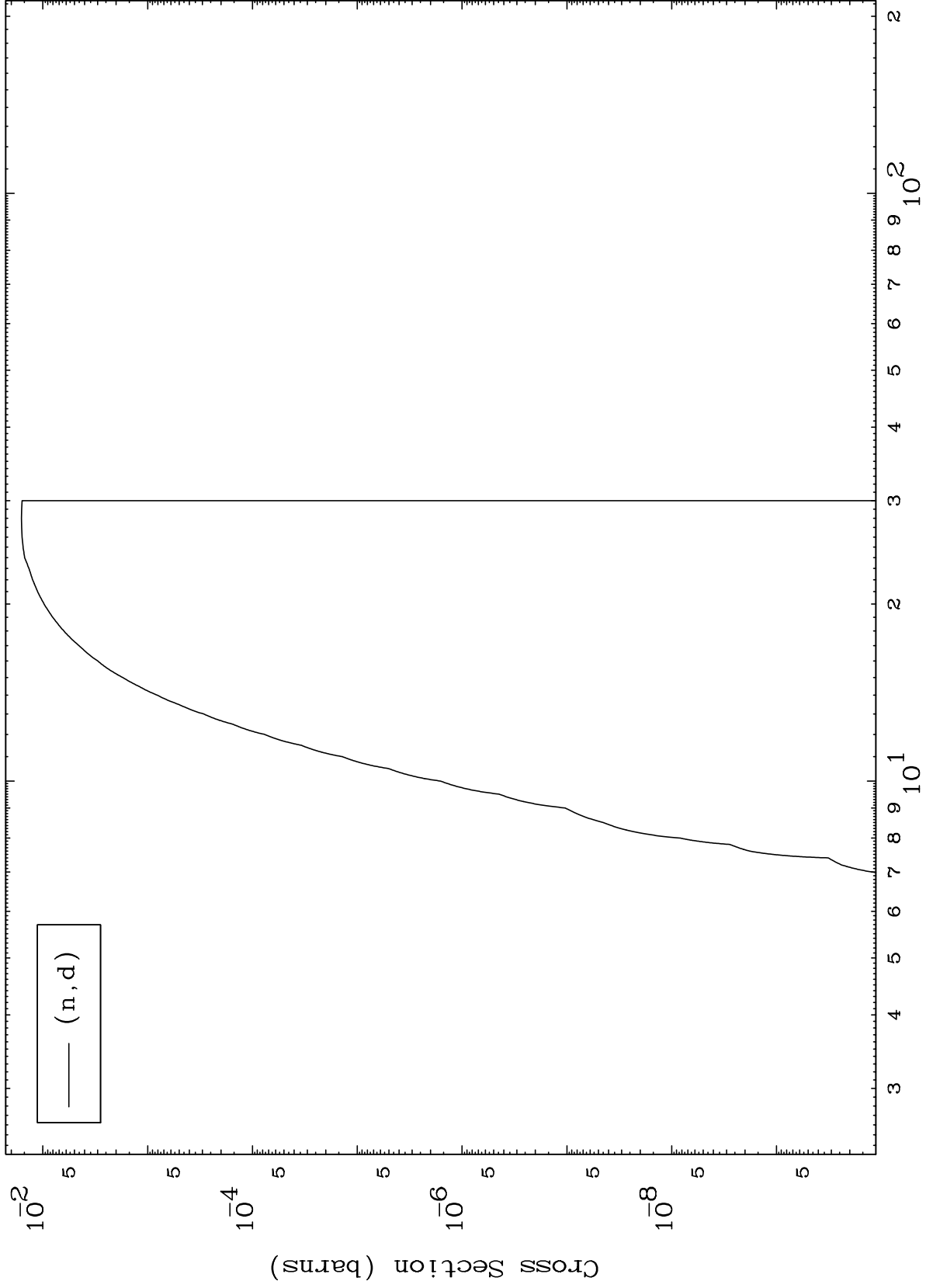
Incident Energy (MeV)

⁷⁷Ir-190n

MAT 7724

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-190n



11

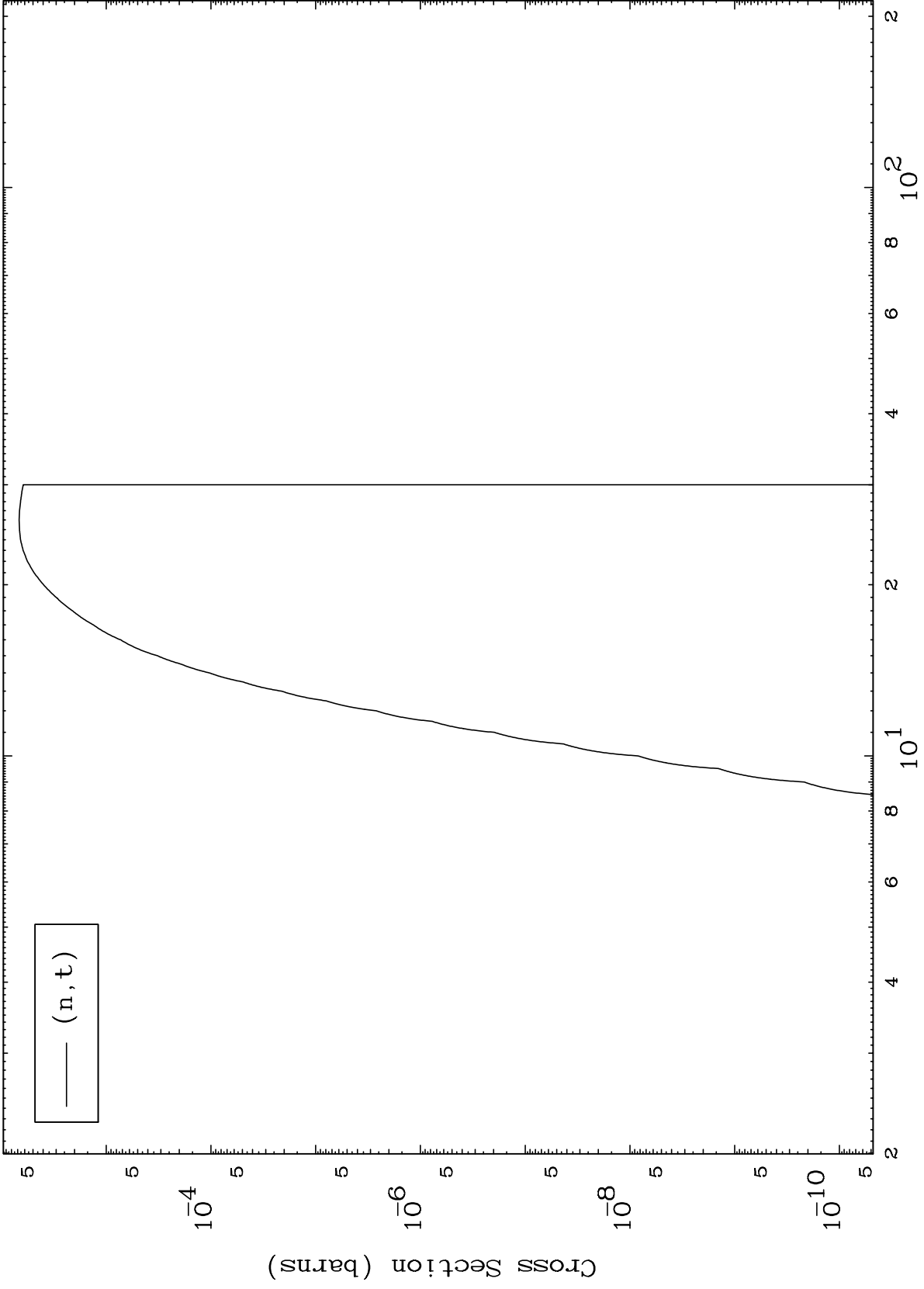
Incident Energy (MeV)

77-Ir-190n

MAT 7724

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-190n



12

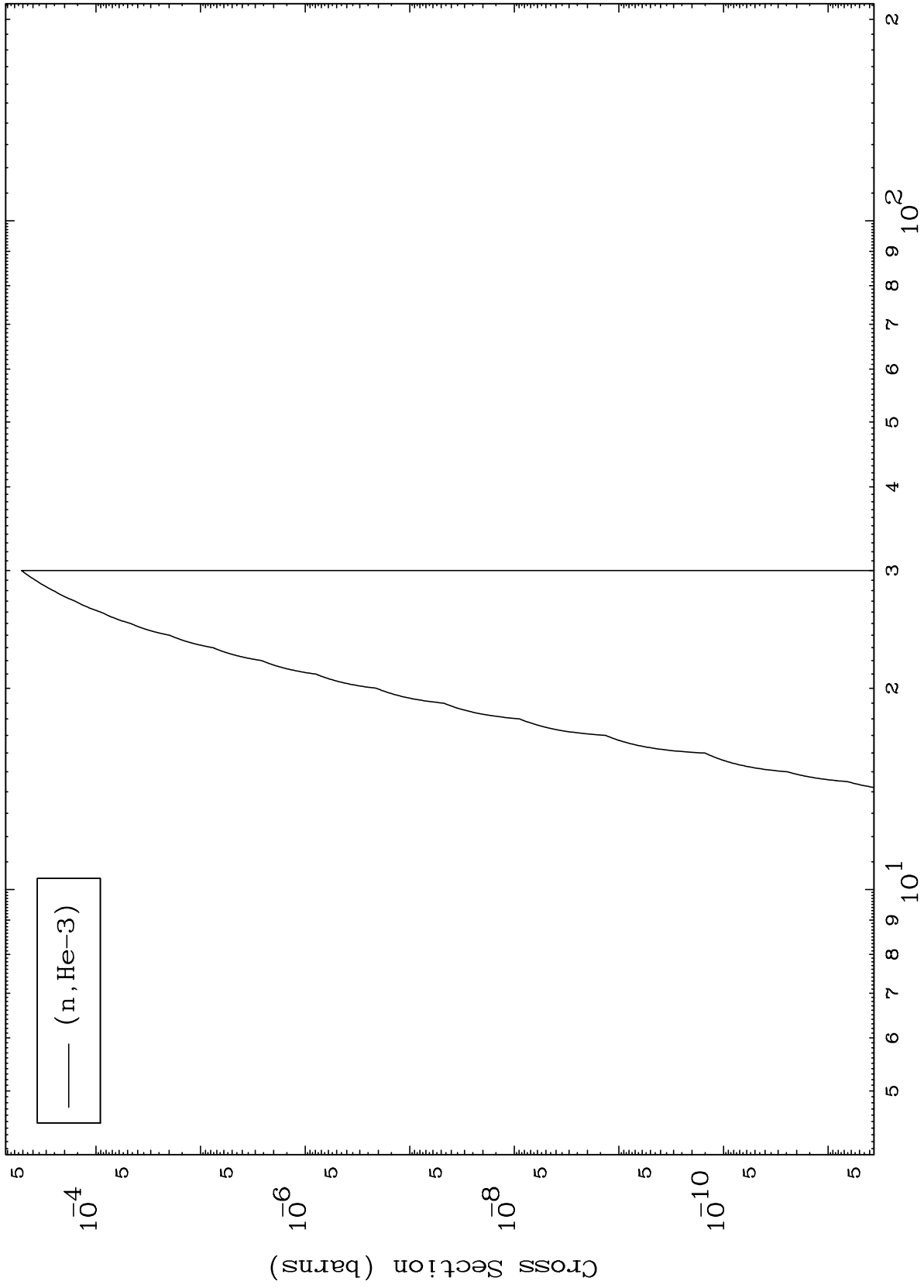
Incident Energy (MeV)

77-Ir-190n

MAT 7724

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-190n



13

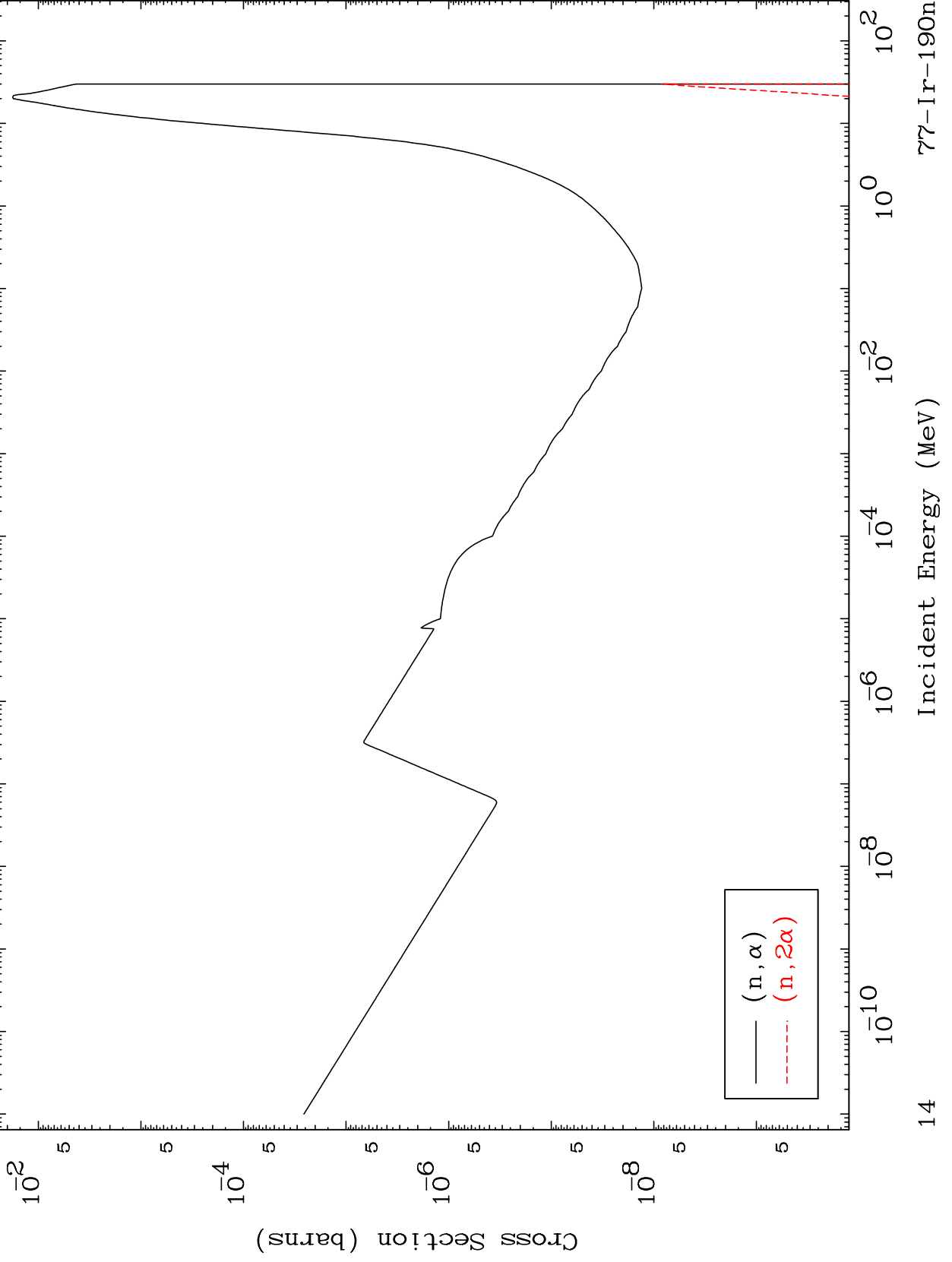
Incident Energy (MeV)

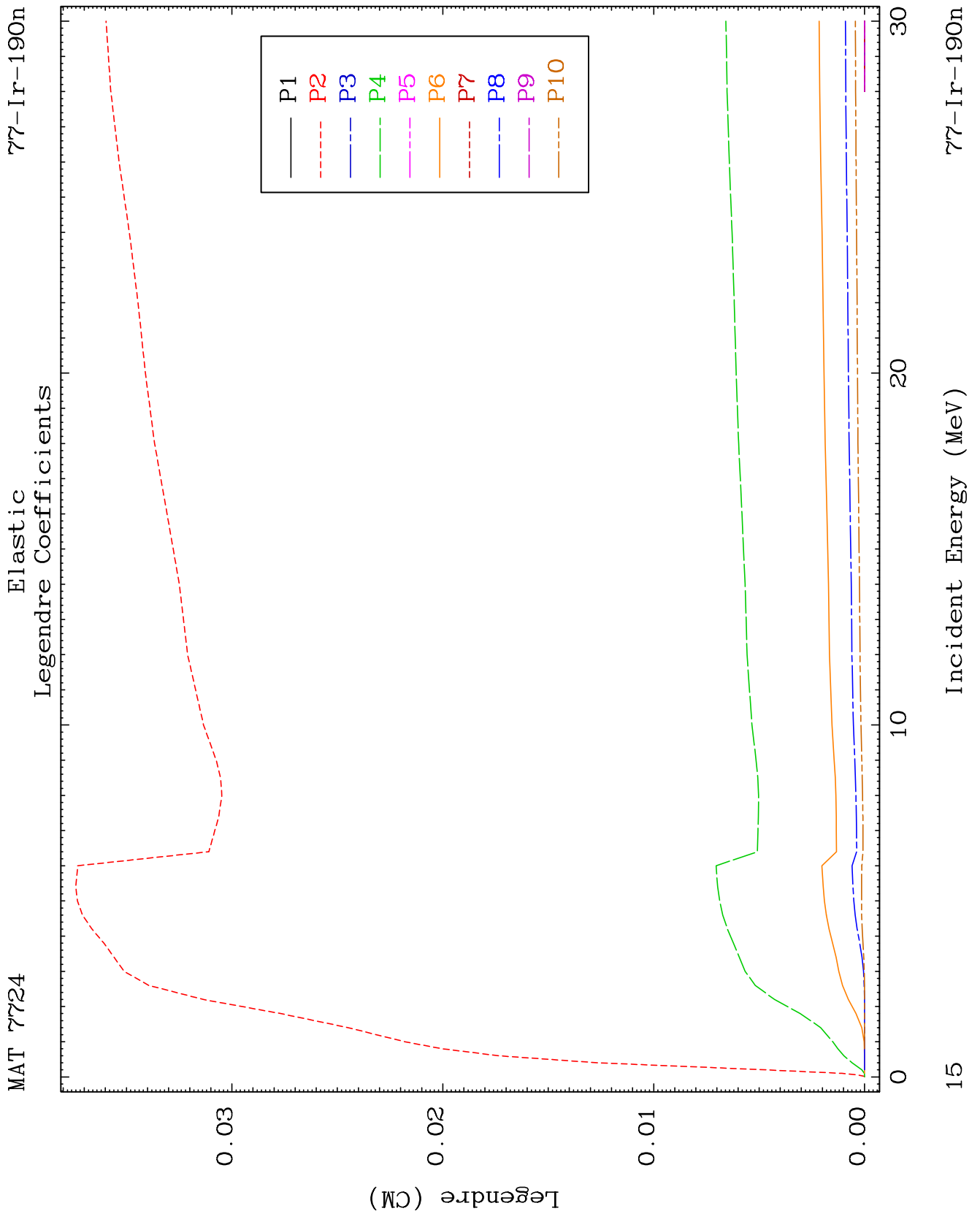
77-Ir-190n

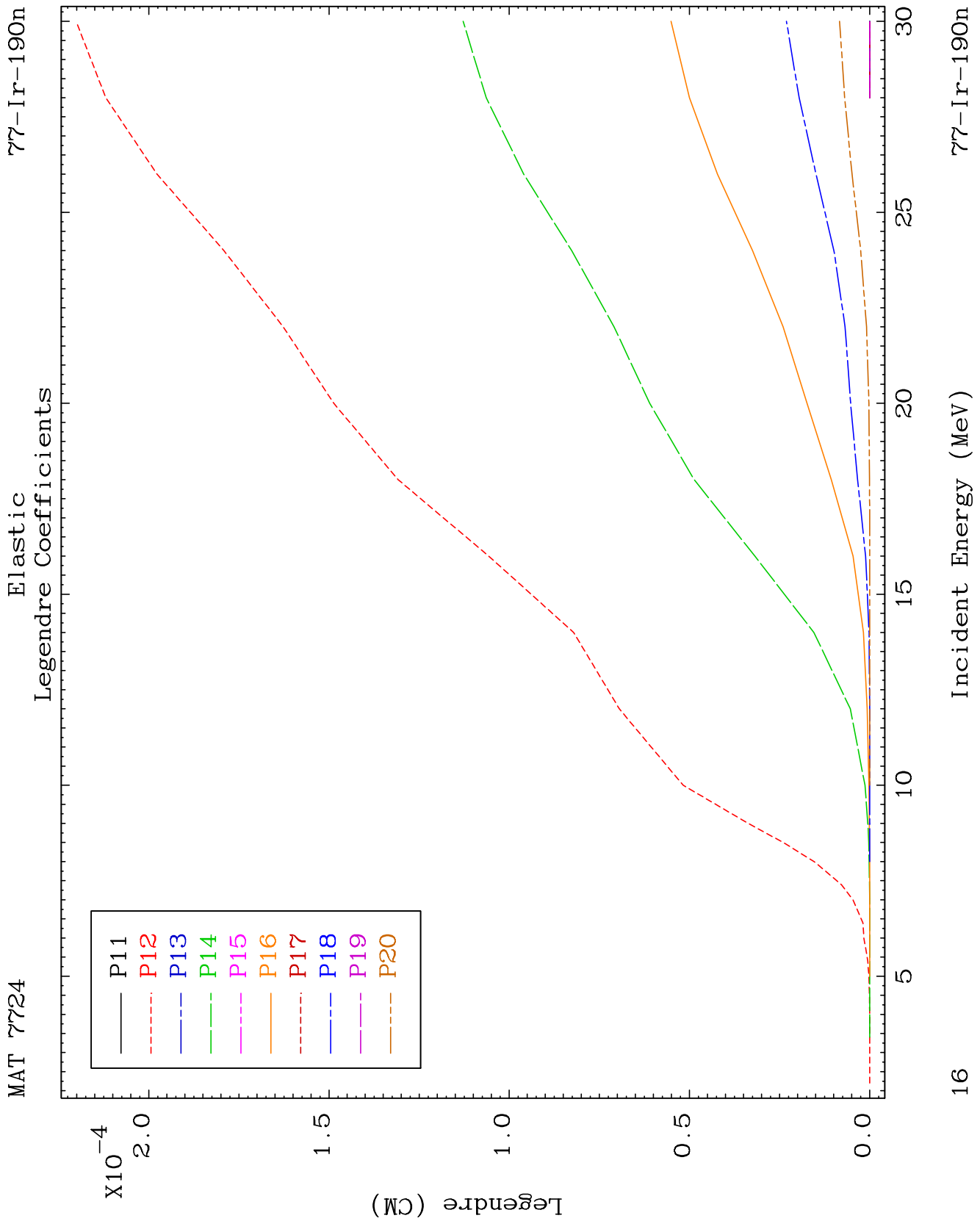
MAT 7724

(n, α) Levels
293 Kelvin Cross Sections

⁷⁷Ir-190n



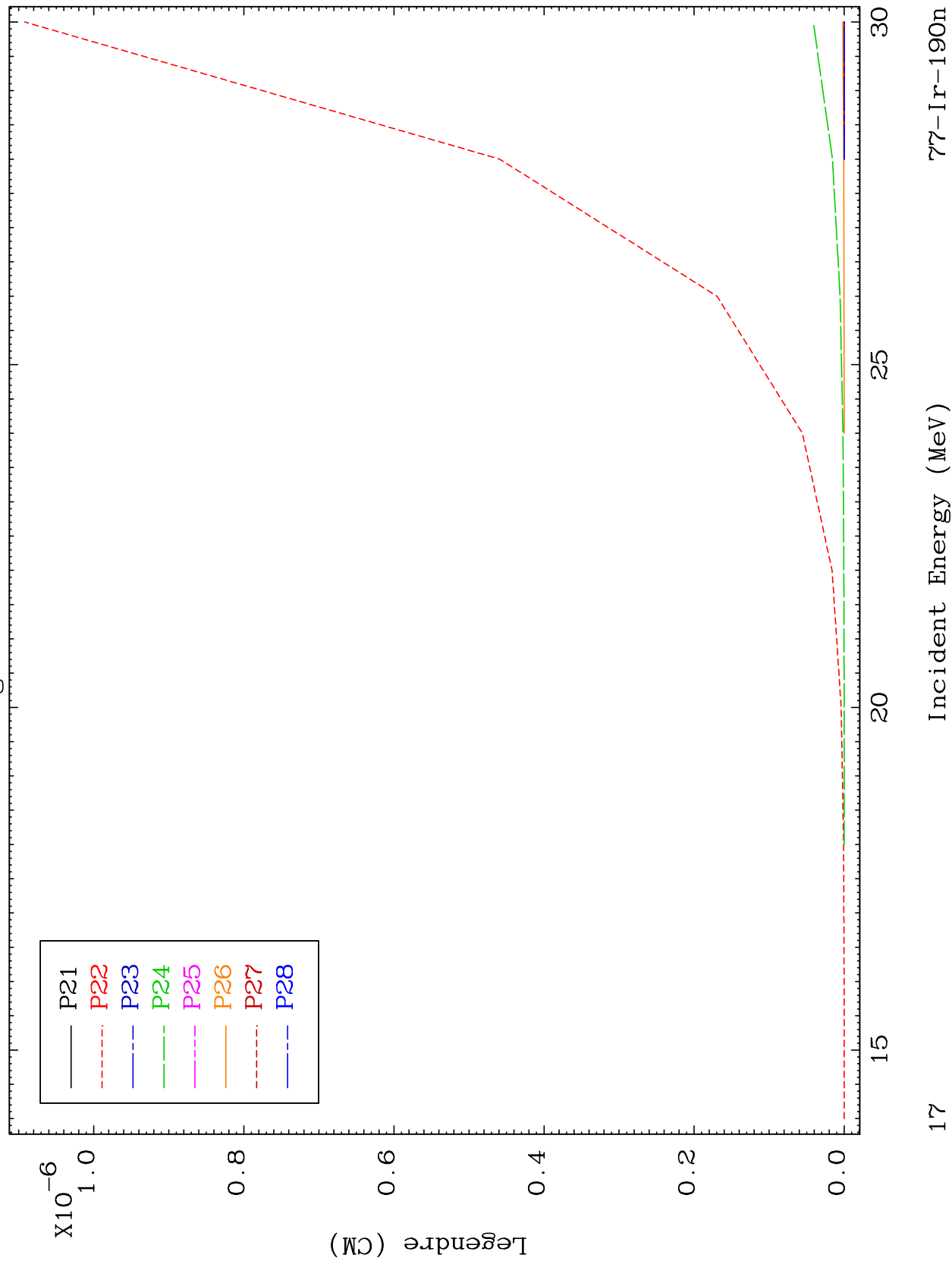




MAT 7724

Elastic Legendre Coefficients

⁷⁷Ir-190n



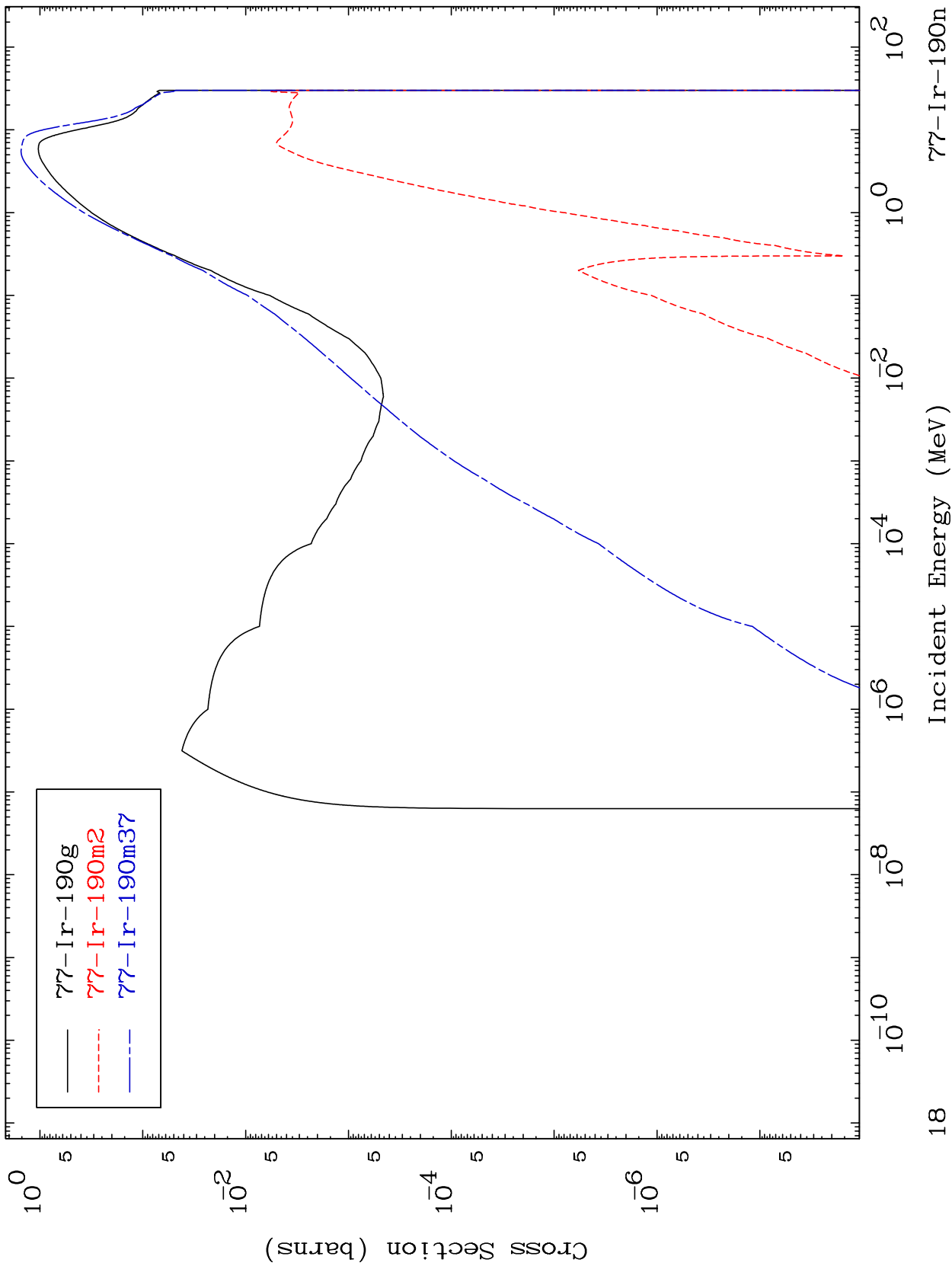
17

⁷⁷Ir-190n

MAT 7724

⁷⁷Ir-190n

Inelastic
Radionuclide Production Cross Section



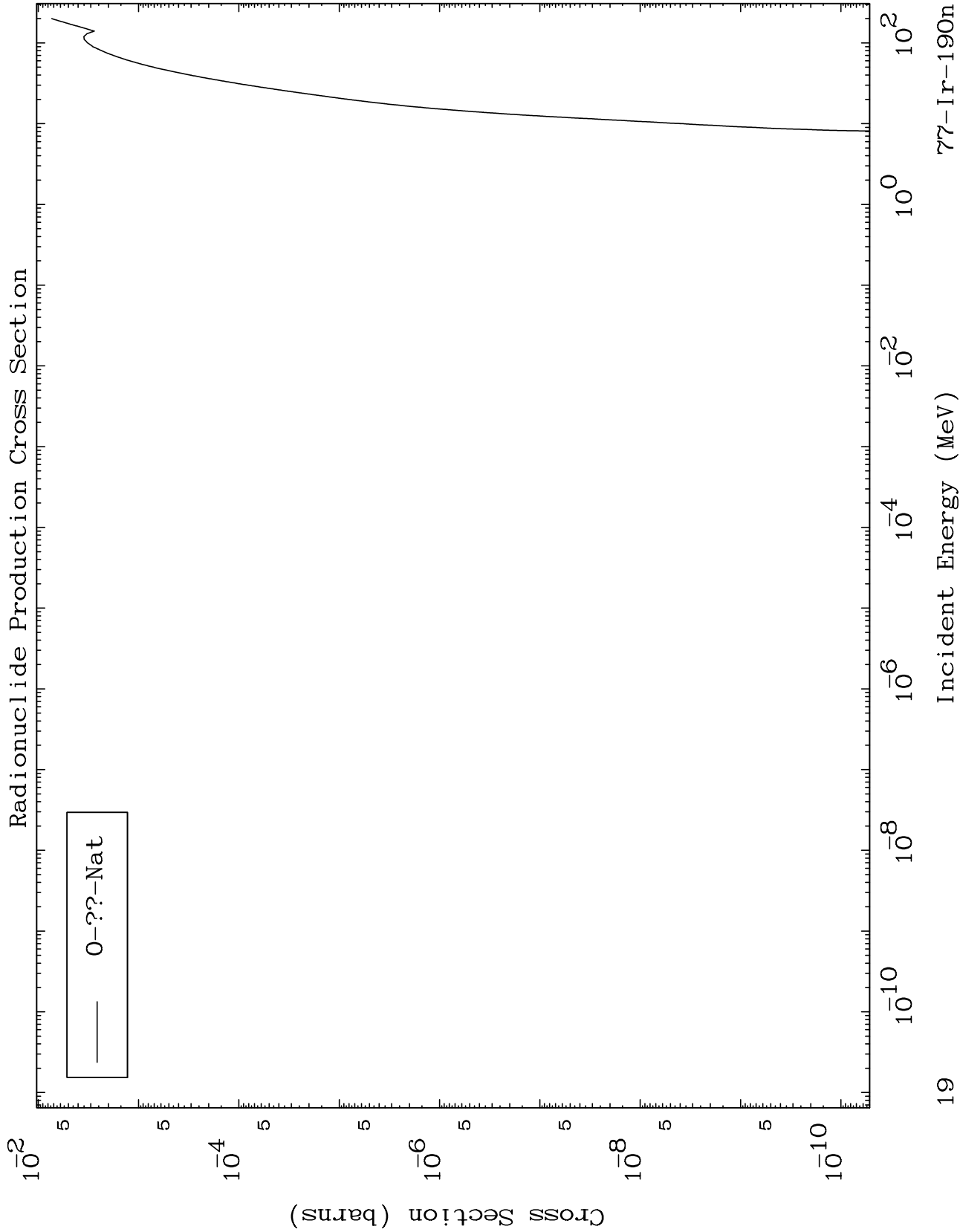
— ⁷⁷Ir-190g
- - - ⁷⁷Ir-190m2
- · - ⁷⁷Ir-190m37

MAT 7724

Fission

⁷⁷Ir-190n

Radionuclide Production Cross Section

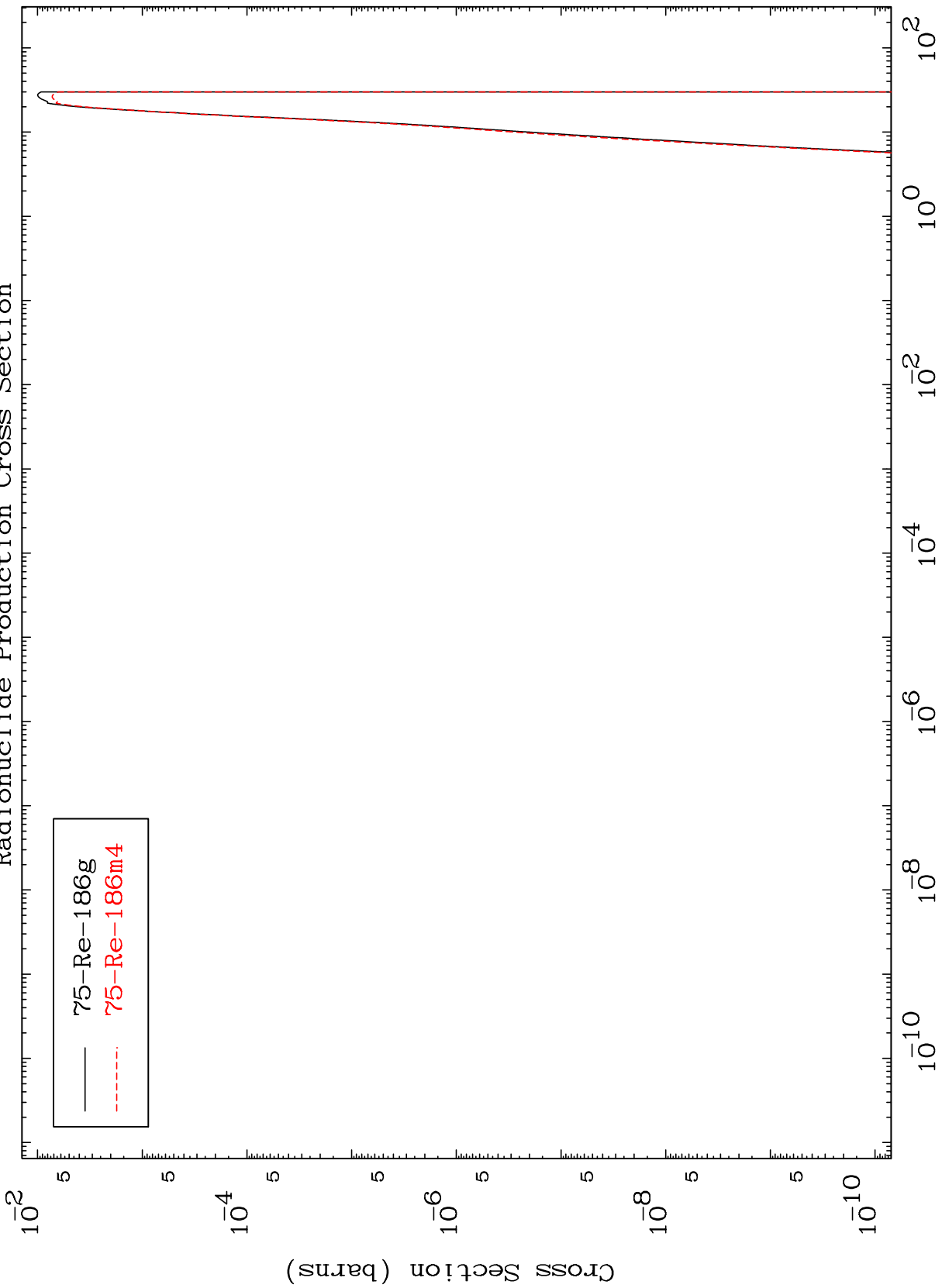


MAT 7724

$(n, n') \alpha$

$^{77}\text{Ir}-190\text{n}$

Radionuclide Production Cross Section

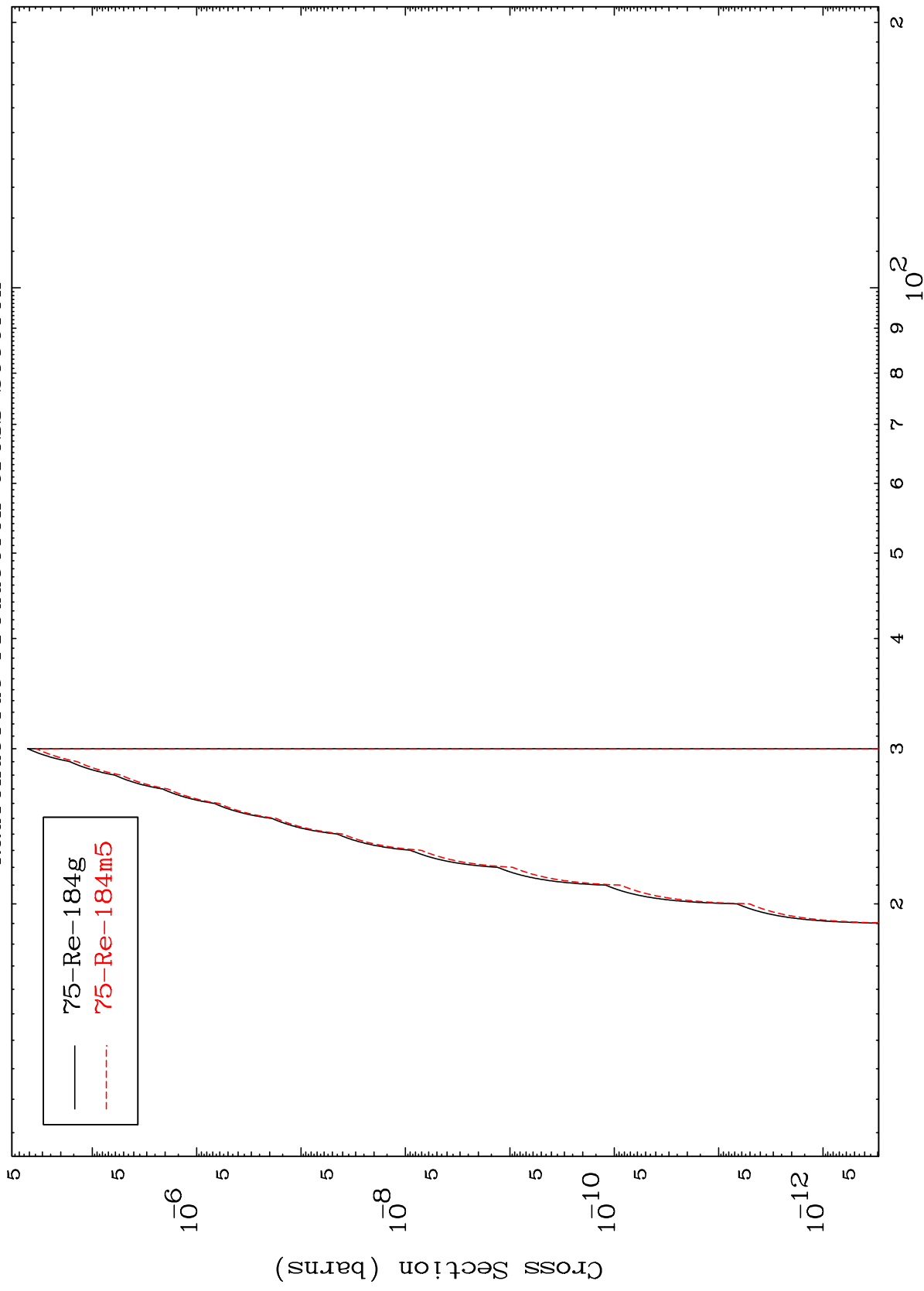


MAT 7724

(n,3n) α

⁷⁷Ir-190n

Radionuclide Production Cross Section



Incident Energy (MeV)

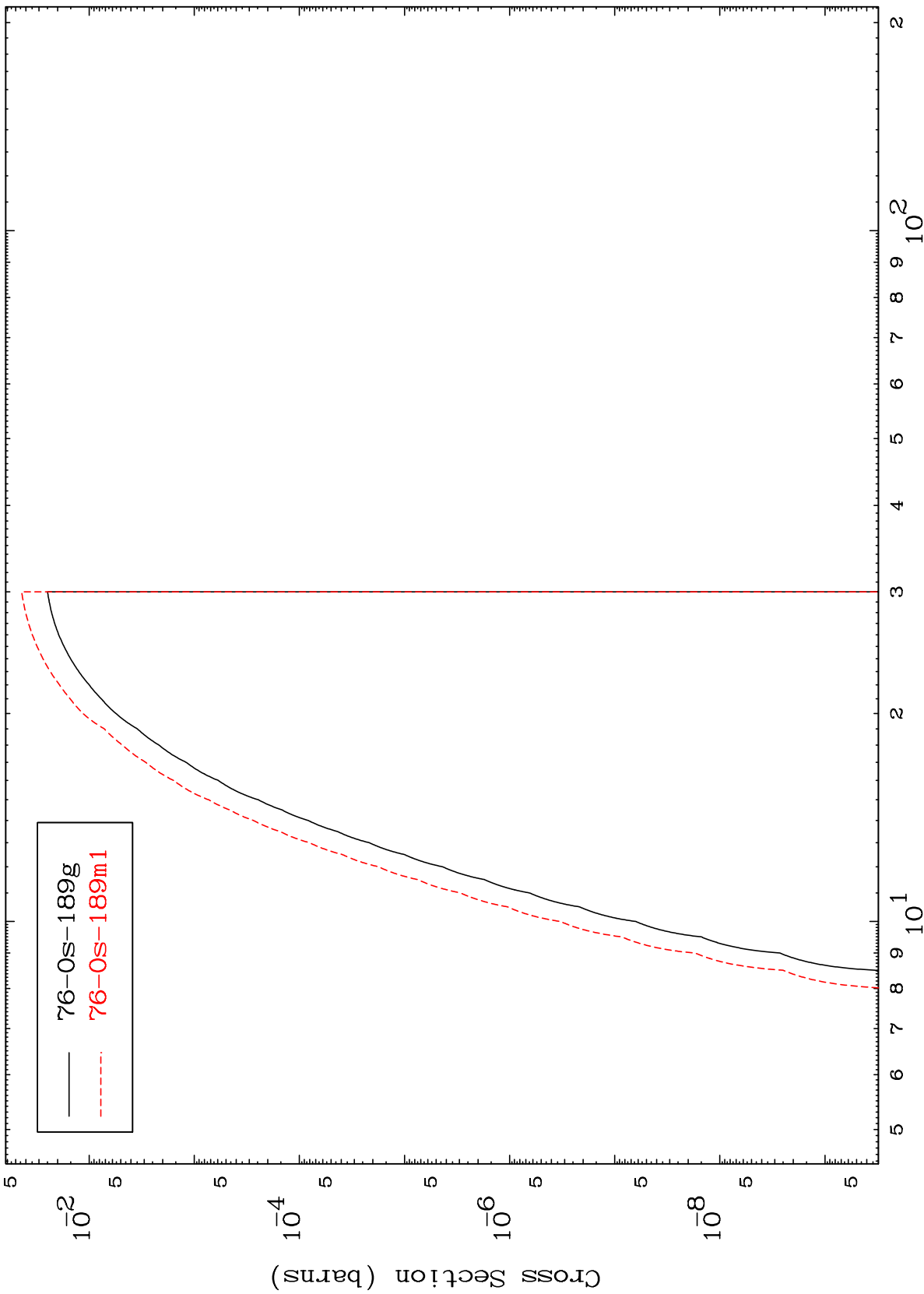
⁷⁷Ir-190n

MAT 7724

(n,n') p

⁷⁷Ir-190n

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷⁷Ir-190n

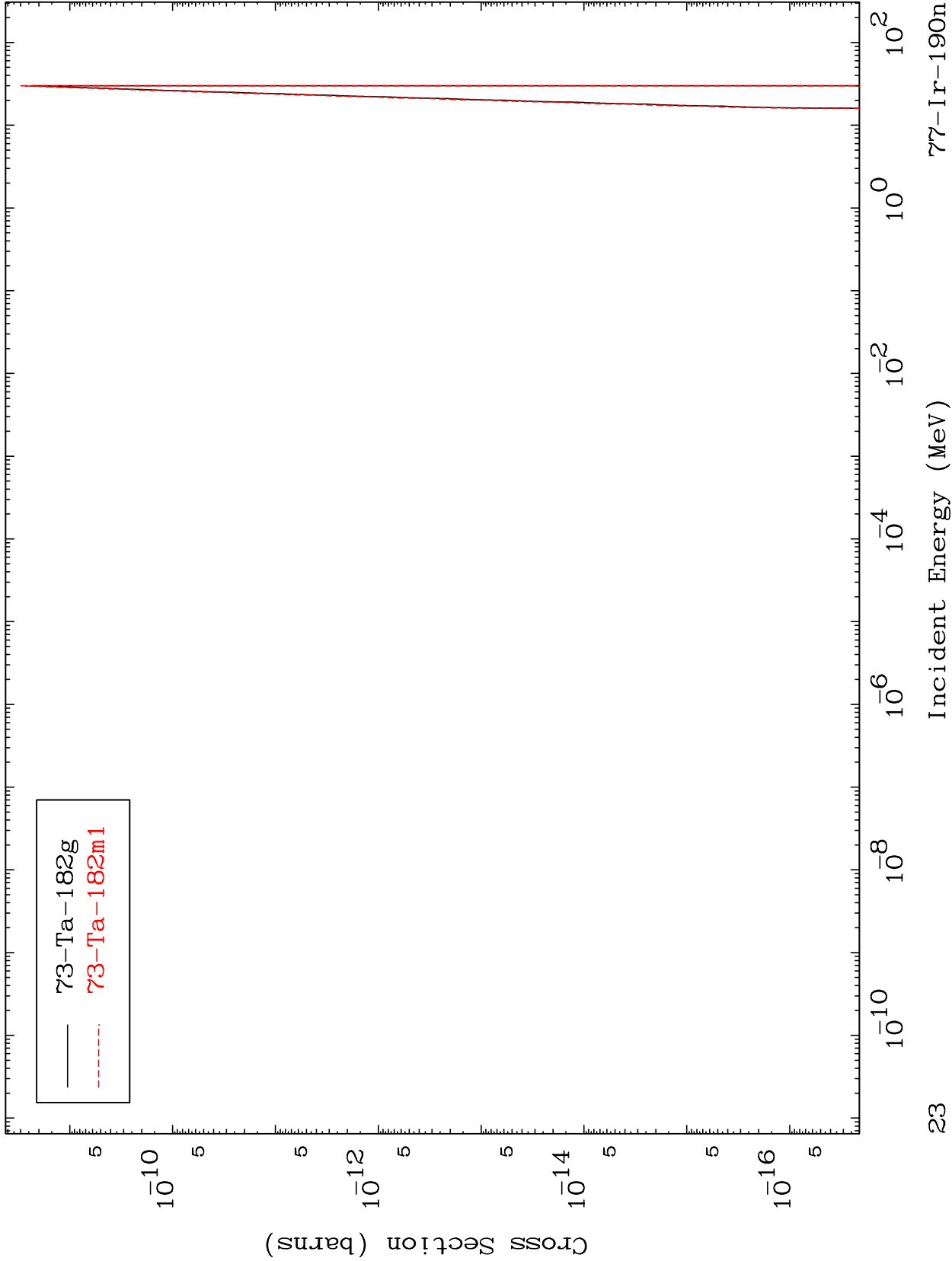
22

MAT 7724

(n,n') 2α

77-Ir-190n

Radionuclide Production Cross Section

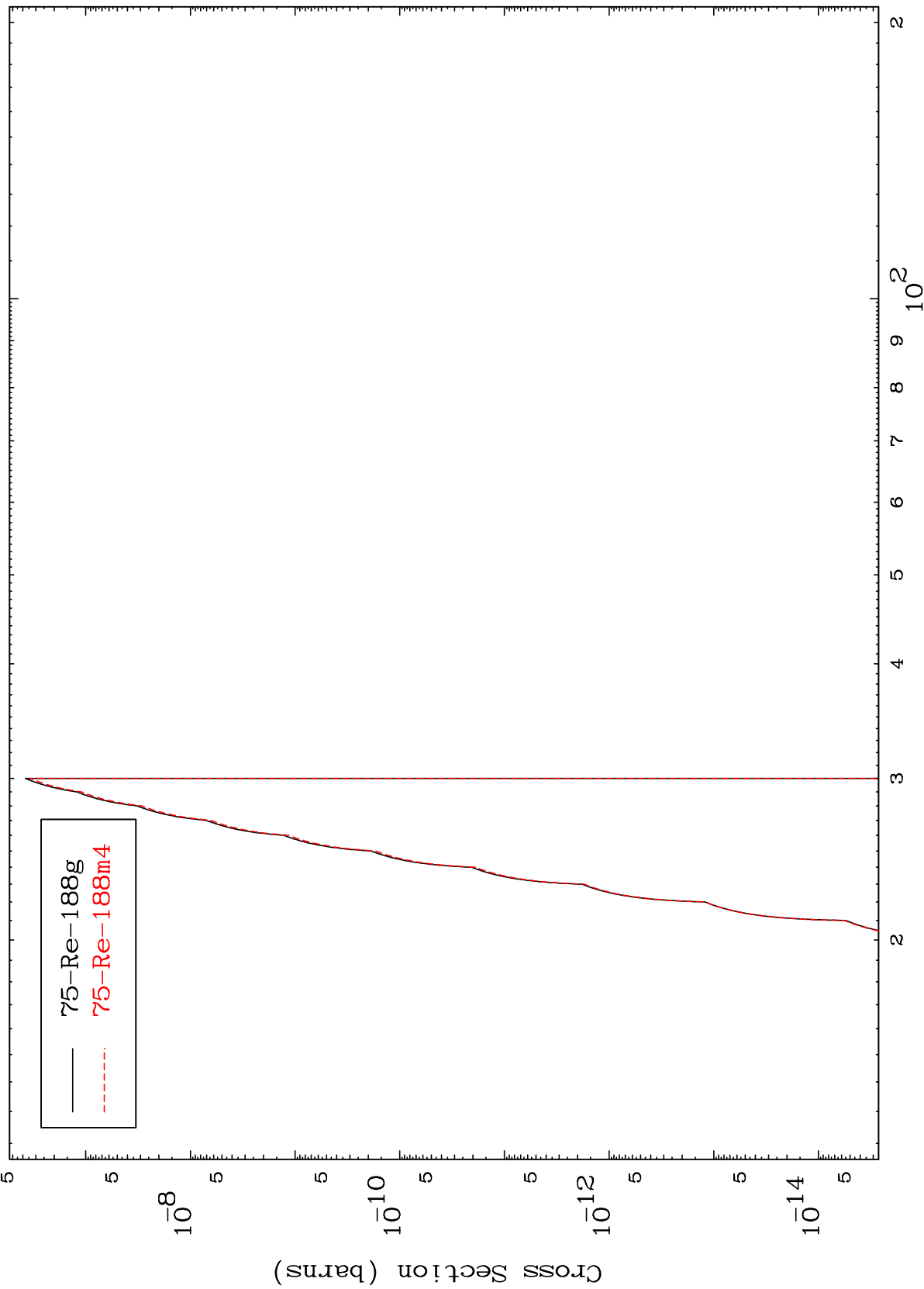


MAT 7724

(n,2n) p

⁷⁷Ir-190n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

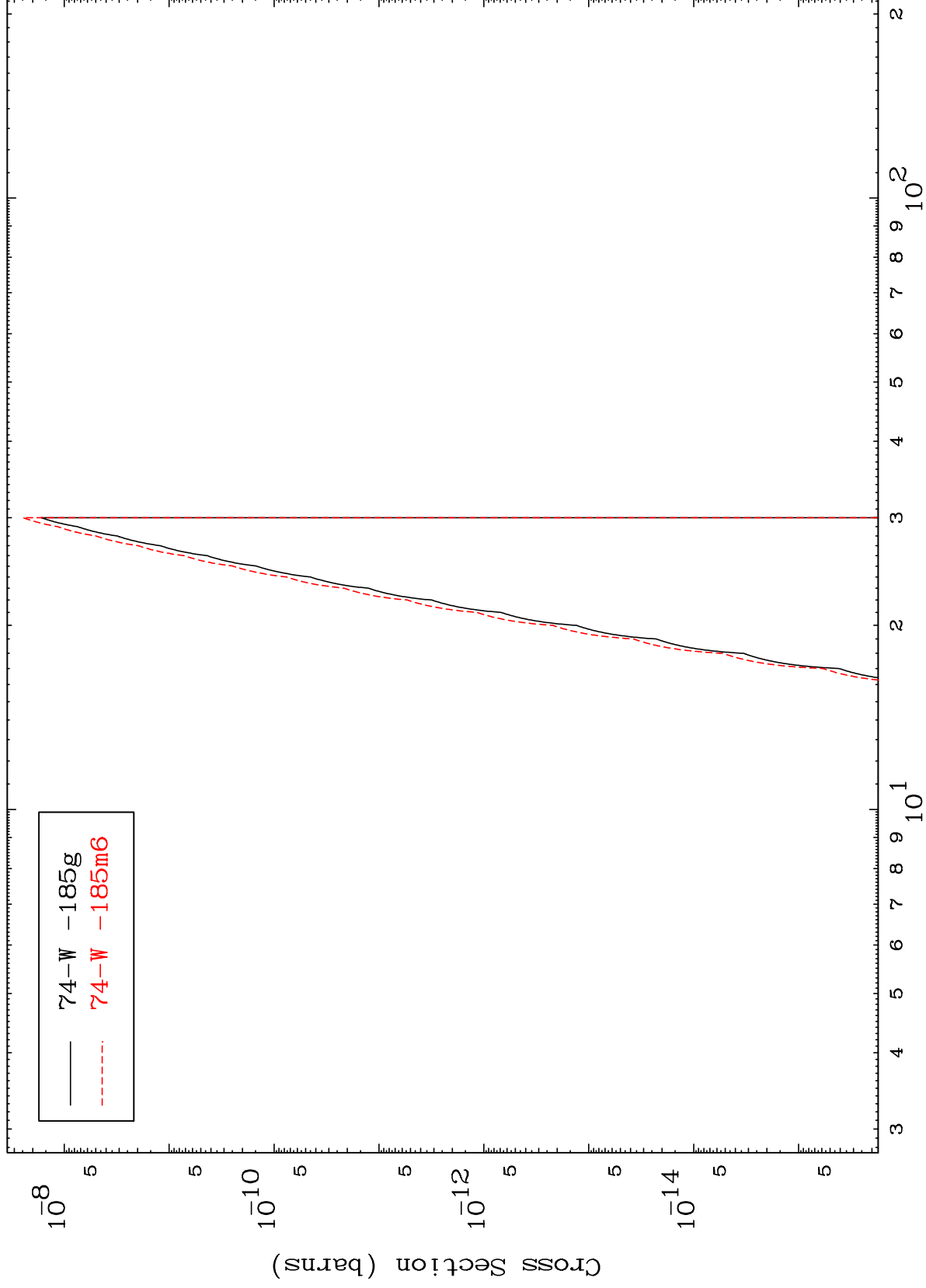
⁷⁷Ir-190n

MAT 7724

(n,n') p α

⁷⁷Ir-190n

Radionuclide Production Cross Section



25

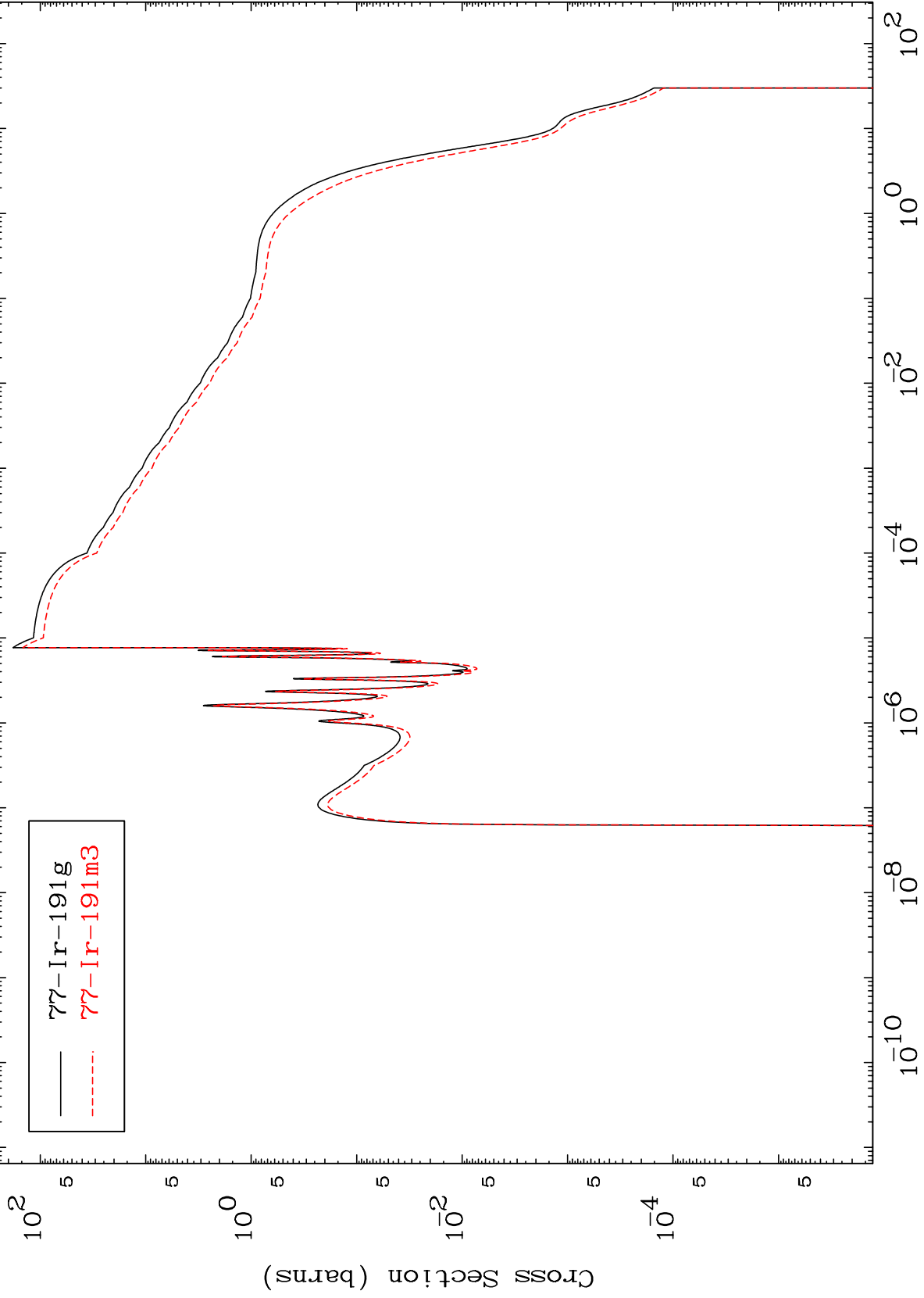
Incident Energy (MeV)

⁷⁷Ir-190n

MAT 7724

⁷⁷Ir-190n

Radionuclide Production Cross Section



26

⁷⁷Ir-190n

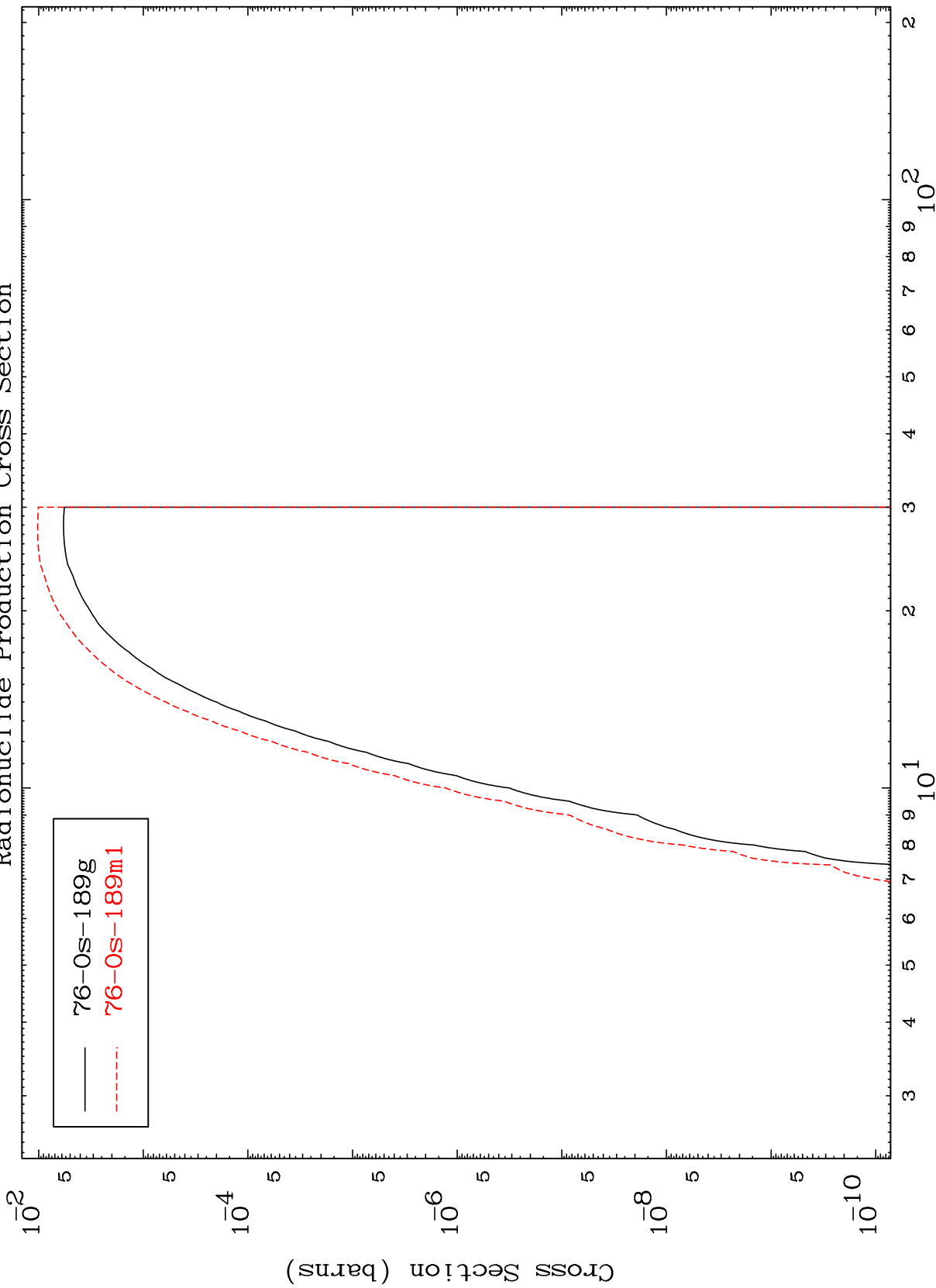
⁷⁷Ir-190n

MAT 7724

(n,d)

⁷⁷Ir-190n

Radionuclide Production Cross Section



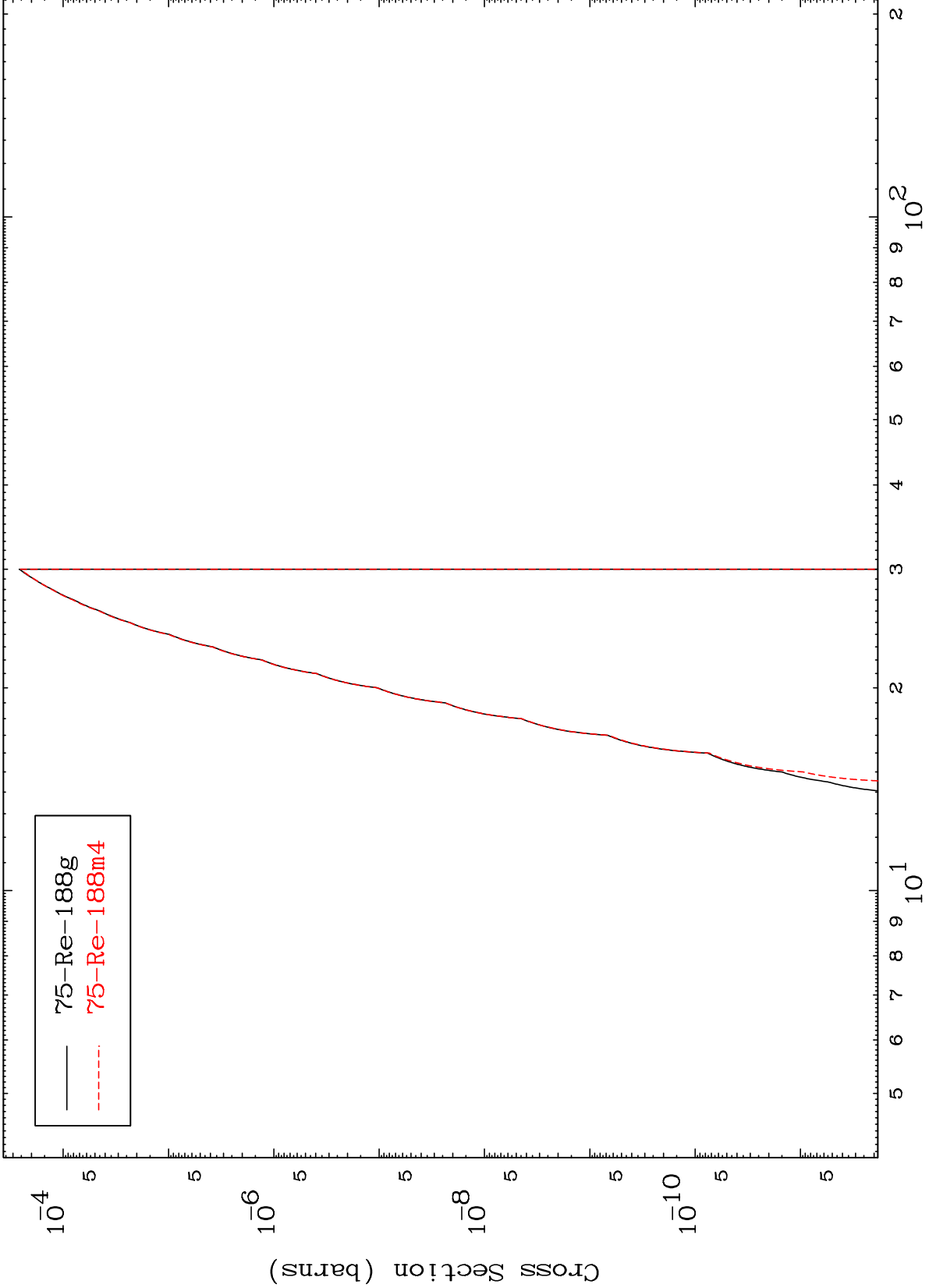
76-Os-189g
76-Os-189m1

MAT 7724

(n,He-3)

77-Ir-190n

Radionuclide Production Cross Section

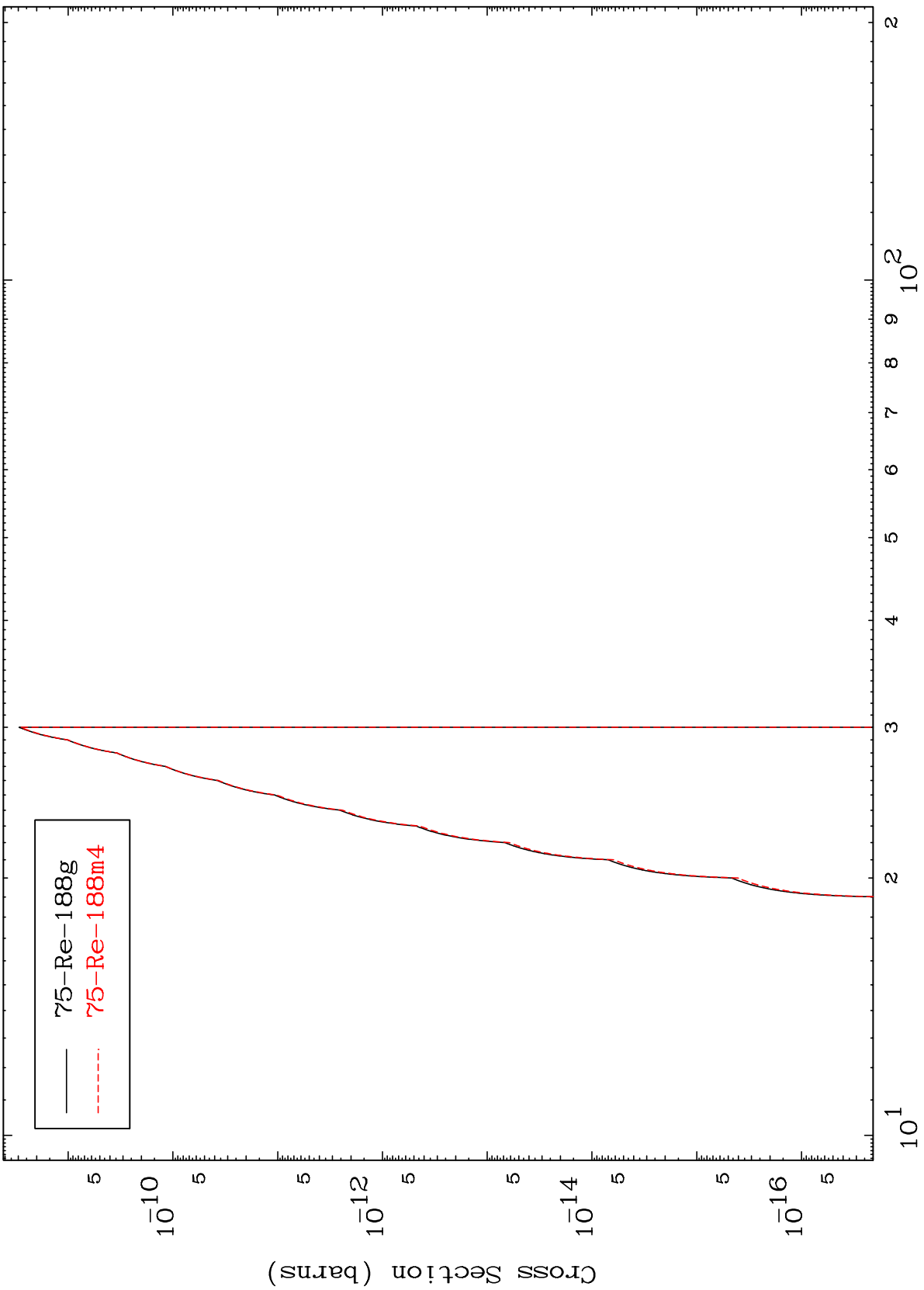


MAT 7724

(n,p) d

⁷⁷Ir-190n

Radionuclide Production Cross Section



29

Incident Energy (MeV)

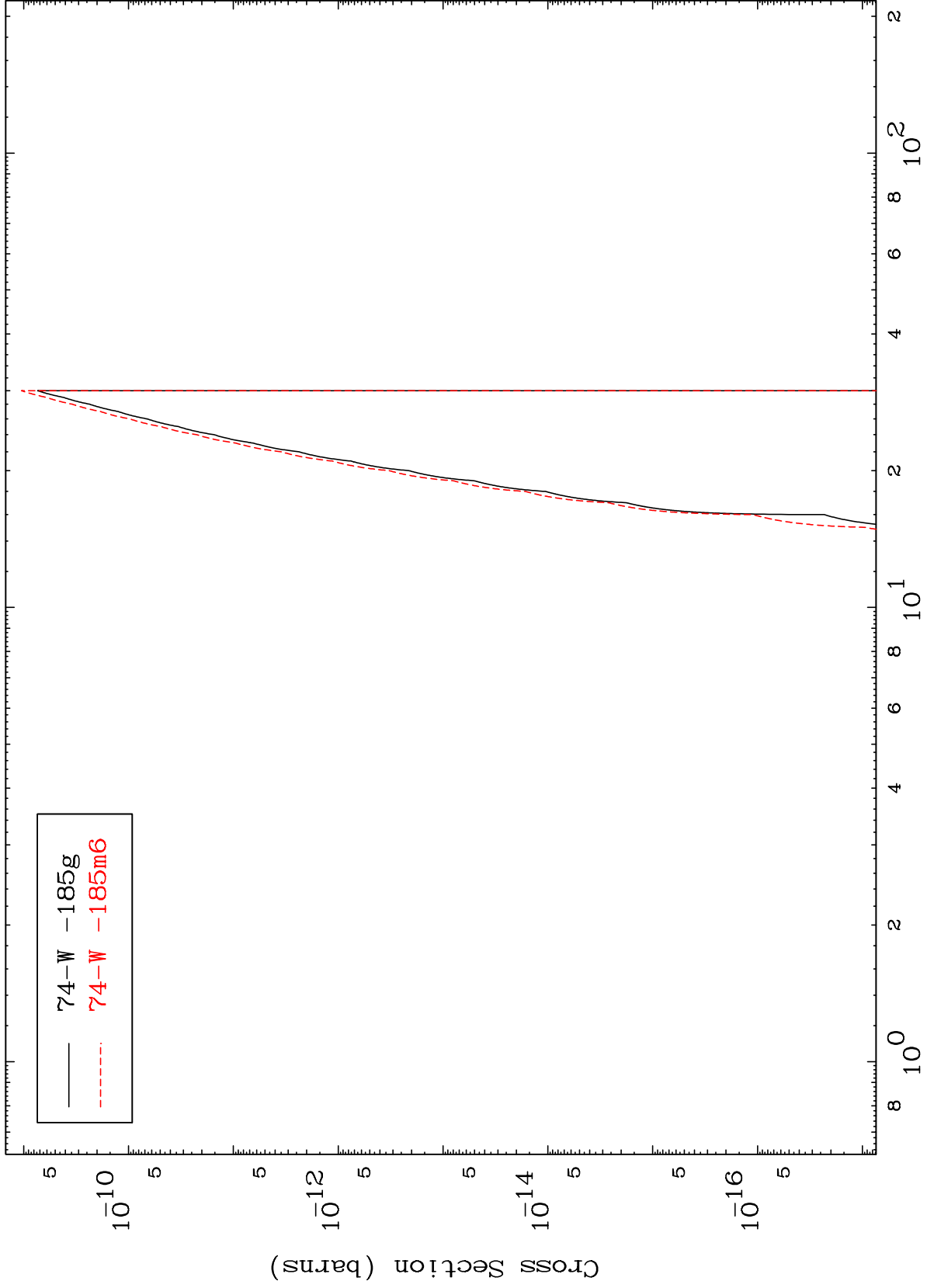
⁷⁷Ir-190n

MAT 7724

(n,d) α

⁷⁷Ir-190n

Radionuclide Production Cross Section



30

Incident Energy (MeV)

⁷⁷Ir-190n