1961

Nuclear Physics & Chemistry

Inelastic scattering of protons from several light odd - even nuclei in the energy range from 6.0 MeV to 7.5 Mev. Jun Kokame. *J. Phys. Soc. Japan*, **16**, 2101 (1961).—See, this Bulletin, **40**, 400 (1962).

(d, α) Reactions on O^{16}, N^{14} and C^{12} by 14.7 MeV deuterons. Takuji Yanabu. *J. Phys. Soc. Japan*, **16**, 2118 (1961).—See, this Bulletin, **39**, 408 (1961).

Angular distributions of alpha-particles from F^{19}, Al^{27} and P^{31} bombarded with protons. Sukeaki Yamashita. *J. Phys. Soc. Japan*, **16**, 2378 (1961).—See, this Bulletin, **40**, 402 (1962).

O^{16} (d, α) N^{14} reaction with deuterons near 15 MeV. Takuji Yanabu, Sukeaki Yamashita, Teruo Nakamura, Kunio Takamatsu, Akira Masaike. Shigeru Kakigi, Dai Ca Nguyen and Kiyohiko Takimoto. *J. Phys. Soc. Japan*, **16**, 2594 (1961).—See, this Bulletin, **40**, 403 (1962).

A cobalt-60 irradiation facility for radiation chemistry. Toshifumi Saegusa, Shozo Horikiri, Masatsune Kondo and Sakae Shimizu. *Bull. Inst. Chem. Res., Kyoto Univ.*, **39**, 166 (1961).

Some experiments of gamma-ray backscattering. Tomonori Hyodo and Sakae Shimizu. *Bull. Inst. Chem. Res., Kyoto Univ.*, **39**, 180 (1961).

Elastic and inelastic scattering of protons by Be^9 in the energy region from 6.1 to 7.3 MeV. Ryutaro Ishiwari. *Bull. Inst. Chem. Res., Kyoto Univ.*, **39**, 287 (1961).

The phase shift analysis on alpha-alpha scattering in the energy range from 22.9 to 28.1 MeV. Kozo Miyake. *Bull. Inst. Chem. Res., Kyoto Univ.*, **39**, 313 (1961).

A 105 cm fixed frequency cyclotron of Kyoto University. Kiichi Kimura, Yoshiaki Uemura, Masateru Sonoda, Sakae Shimizu, Takuji Yanabu, Ryutaro Ishiwari, Jun Kokame, Akira Katase, Isao Kumabe, Sukeaki Yamashita, Hidekuni Takekoshi, Kozo Miyake, Hidetsugu Ikegami and Hirokazu Fuzita. *Bull. Inst. Chem. Res., Kyoto Univ.*, **39**, 368 (1961).

Separation of caesium and strontium from fission products by cationic resins with phosphonic group. Tsunenobu Shigematsu and Toshiki Oshio. *Isotopes and Radiation*, **4**, 105 (1961), in Japanese.—The method for the separation of caesium and strontium from fission products with phosphonic type ion-exchange resins was developed. A mixture of fission products was treated with nitric acid evaporated