

出来る限り、以下の様式に沿った議事録を作成下さいますようお願いいたします。

(様式 2)

議事録番号

提出 2023 年 4 月 12 日

会合議事録

研究会名：レーザー電子光を用いた素粒子・原子核科学研究会

日 時：06 March 2023 to 07 March 2023

場 所：Public relations center at SPring-8, 1-1-1 Koto, Sayo, Sayo, Hyogo 679-5198,
Japan

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議題： Hadron Physics at the LEPS2 photon beamline

議事内容： Hadron physics experiments are being conducted at various facilities to study complex many-body physics, from quarks and gluons to the formation of hadrons and the dense hadronic matter that appears inside neutron stars. At SPring-8, the BGOegg experiment has made steady progress in studying the in-medium modification of the properties of the eta(958) meson using nuclear targets, and elementary processes of meson photoproduction using a hydrogen target. Various physical results are also expected from the Solenoid experiment including studies of the so-called "K-pp" states. This workshop focused on experimental and theoretical studies on the hadron physics programs promoted in the LEPS2 beamline at SPring-8 and the related programs conducted at other facilities. We intensively exchanged our ideas for possible physics programs, which could be realized in the near future. We also discussed techniques for photon beam generation, and developments of detectors including data acquisition systems. These discussions have continued after the workshop, we can conclude that it was very fruitful.

The presentation files are uploaded at the following website:

<https://indico.rcnp.osaka-u.ac.jp/event/2023/>