## KASOKUKI

Journal of Particle Accelerator Society of Japan, Vol.12, No.1, 2015

## **CONTENTS**

Preface Masayuki SEKIGU	JCHI	1
Review		
Recommendation of Symmetrization and a Common-Mode Filter for the AC-Line System		
of an AC-DC Converter (first half of two parts)  Kenji S	SATO	2
Topics		
Achievement of Extremely Small Beam Size at KEK-ATF Kiyoshi K	UBO	14
Upgrade of the J-PARC Linac Takatoshi MORISHITA, Jun TAMURA and Tomofumi MAR	RUTA	22
Conversion of J-PARC RCS to 3-GeV Compressor with Laser Stripping Injection Isao YAM	ANE	31
Progress of Photocathode Studies by Inter-Disciplinal Collaborations; for a Report of		
Photocathode Physics for Photoinjector workshop (P3 2014)  Masao KU	RIKI	34
Meeting Report		
Report of 6th Asian Forum for Accelerators and Detectors (AFAD 2015)		
Shigeru KASHIWAGI, Fujio HINODE, Shoji UNO and Masaki KA	NDO	38
Report of the 12 <sup>th</sup> High Brightness/rf Electron Gun Workshop Kazuyuki SAK		42
Recent PhD. Graduates Shinichi K	ATO	45
PASJ Announcements		47
Notice Board		52

Editorial Committee Masao KURIKI chairperson

Yoshiyuki IWATA, Haruo OHKUMA, Takashi OBINA, Masayuki KASE, Keigo KAWASE, Eiji KIKUTANI, Tetsuo SHIDARA, Toshinari TANAKA, Fujio NAITOU, Koichi NAKAYAMA, Kazuo HASEGAWA, Masahito HOSAKA,

Kai MASUDA, Takashi WAKUI

The Journal is published quarterly by Particle Accelerator Society of Japan, Noritaka KUMAGAI, President. c/o Secretariat, WORDS Publishing House, 2–62–8–507 Higashi Ikebukuro, Toshima-ku, Tokyo 170-0013, Japan