

## 放射光共同利用実験採択課題一覧 (S2型)

Proposal No.	Spokesperson	Title
2015S2-002	M. Kimura KEK-PF	Reveal of heterogeneity in structural materials for airplanes in order to improve mechanical properties and chemical stability at high temperatures
2015S2-003	T. Takahashi Tohoku Univ.	Novel quantum phases of functional materials studied by high-resolution ARPES
2015S2-005	H. Kumigasira KEK-PF	Novel two-dimensional electron liquid states in quantum well structures of strongly-correlated oxides
2015S2-006	K. Ichianagi KEK-PF	Shock-induced structural and reaction dynamics by high-power laser irradiation
2015S2-007	Y. Yamasaki The Univ. of Tokyo	Observation of Spin Texture and its Dynamics by Resonant X-ray Scattering
2015S2-009	Y. Wakabayashi Osaka Univ.	Surface structural materials science based on high temporal- and spatialresolution observation
2015S2-008	H. Kondoh Keio Univ.	Study on electronic states and reaction activity of catalysts by combination of advanced soft x-ray spectroscopies
2014S2-001	R. Kumai KEK-PF	Structural sciences for the understanding of the origin of physical properties and optimization of functions in the organic molecular assemblies
2014S2-003	H. Sawa Nagoya Univ.	Study of the new quantum lattice liquid system by crystal field analysis
2014S2-004	Y. Fukaya JAEA	Topmost surface structure determination using total reflection high-energy positron diffraction
2014S2-006	S. Nozawa KEK-PF	Dynamic study for optical functional materials by high-efficiency time-resolved XAFS
2013S2-001	T. Matsushita KEK-PF	Development of Time-Resolved X-Ray Reflectometry and its applications
2013S2-002	Y. Murakami KEK-PF	Synchrotron radiation research on element strategy project_electronic materials:The study of functionalities in lightelement anion systems
2013S2-003	Y. Takahashi The Univ. of Tokyo	Development of sustainable science by scanning transmission X-ray microscopy (STXM)
2013S2-004	K. Amemiya KEK-PF	Complementary studies on magnetic thin films aiming at control of their properties by external factors mainly by means of soft X-ray XMCD
2013S2-005	Y. Nagashima Tokyo Univ. of Sci.	New developments of the Ps- photodetachment experiment and applications of the energy tunable Ps beam
2012S2-004	A. Waseda AIST	Crystal evaluation of silicon crystals for the determination of the Avogadro constant
2012S2-005	H. Nakao KEK-PF	Materials structure science by resonant soft x-ray scattering under external field
2012S2-006	J. Yoshinobu The Univ. of Tokyo	Physical chemistry at surface and interface of energy-conversion materials using VUV/SX SR spectroscopies