

理論研究部 欧文査読付き論文リスト

2013/H25年度 平成25年(2013年)4月1日から平成26年(2014年)3月31日までに出版・発表されたもの

注 ※ 1 当該組織の研究者が主導的に作成した論文や実際に講演を行った発表等には「*」

※1	著者	出版年	論文名	雑誌名	巻	ページもしくはID
	Baty, H., Pétri, J., Zenitani, S.:	2013	Explosive reconnection of double tearing modes in relativistic plasmas: application to the Crab flare	MNRAS Letters	436	L20.
	Bersten, M. C., Tanaka, M., Tominaga, N., Benvenuto, O. G., Nomoto, K.:	2013	Early UV/Optical Emission of The Type Ib SN 2008D	ApJ	767	143.
	Cheoun, M. K., Choi, K., Kim, K. S., Saito, K., Kajino, T., Tsushima, K., and Maruyama, T.:	2013	Asymmetry in the neutrino and anti-neutrino reactions in a nuclear medium on a proton in nuclear medium and in nucleus.	Phys. Lett.	B723	464-469.
	Cheoun, M. K., Choi, K., Kim, L. S., Saito, K., Kajino, T., Tsushima, K. and Maruyama, T.:	2013	Effects of density-dependent weak form factors on the neutrino reaction for the nucleon in nuclear medium and 12C.	Phys. Rev.	C87	65502
	Cheoun, M.-K., Deliduman, C., Gungor, C., Keles, V., Ryu, C-Y., Kajino, T. and Mathews, G. J.:	2013	Neutron stars in a perturbative f(R) gravity model with strong magnetic fields.	J. Cosmo. Astropart. Phys.	021,	021,
	Dent, W. R. F. et al. with Nomura, H.:	2013	GAPS - A Herschel Survey of Gas and Dust in Protoplanetary Disks: Summary and Initial Statistics	Publications of the Astronomical Society of the Pacific	125	477-505.
*	Fujii, M., Portegies Zwart, S.:	2014	The moment of core collapse in star clusters with a mass function	MNRAS	439	1003-1014.
	Fukagawa, M., Tsukagoshi, T., Momose, M., Saigo, K., Ohashi, N., Kitamura, Y., Inutsuka, S., Muto, T., Nomura, H. et al.:	2013	Local Enhancement of the Surface Density in the Protoplanetary Ring Surrounding HD 142527	Publications of the Astronomical Society of Japan	65	L14(5pp).
	Fukagawa, M., Tsukagoshi, T., Momose, M., Saigo, K., Ohashi, N., Kitamura, Y., Inutsuka, S., Muto, T., Nomura, H., Takeuchi, T., Kobayashi, H., Hanawa, T., Akiyama, E., Honda, M., Fujiwara, H., Kataoka, A., Takahashi, S. Z., Shibai, H.:	2013	Local Enhancement of the Surface Density in the Protoplanetary Ring Surrounding HD 142527	PASJ	65	14.
	Furuya, K., Aikawa, Y., Nomura, H., Hersant, F., Wakelam, V.:	2013	Water in Protoplanetary Disks: Deuteration and Turbulent Mixing	ApJ	779	11(19pp).
	Gandhi, P., Yamanaka, M., Tanaka, M., Nozawa, T., Kawabata, K., S., Saviane, I., Maeda, K., Moriya, T. J., Hattori, T., Sasada, M., Itoh, R.:	2013	SN 2009js at the crossroads between normal and subluminous Type IIP supernovae: optical and mid-infrared evolution	ApJ	767	166.
*	Hamana, T., Miyazaki, S., Okura, Y., Okamura, T., Futamase, T.:	2013	Toward Understanding the Anisotropic Point Spread Function of Suprime-Cam and Its Impact on Cosmic Shear Measurement	PASJ	65	104.
	Hara, C., Shimajiri, Y., Tsukagoshi, T., Kurono, Y., Saigo, K., Nakamura, F., Saito, M., Wilner, David, Kawabe, R.:	2013	The Rotating Outflow, Envelope, and Disk of the Class-0/I Protostar [BHB2007]#11 in the Pipe Nebula	ApJ	771	id128(15pages)
	Hayakawa, T., Nakamura, K., Kajino, T., Chiba, S., Iwamoto, N., Cheoun, M. K., and Mathews, G. J.:	2013	Supernova neutrino nucleosynthesis of radioactive 92Nb and the timescale for solar system formation.	Astrophys. J. Lett.	779	L9.
	He, J. J. , S. Z. Chen, S. W. Xu, J. Hu, X. W. Ma, L. Y. Zhang, S. Q. Hou, X. Q. Yu1, N. T. Zhang, Y. H. Zhang, X. H. Zhou, H. S. Xu, G. Q. Xiao, W. L. Zhan, C. Rolfs, M. Wiescher, R.J. deBoer, T. Kajino, and M. Kusakabe:	2013	A surprise in the of 6Li(p,g)7Be reaction at low energies.	Phys. Lett.	B725	287-291,
	Hesse, M., Aunai, N., Zenitani, S., Kuznetsova, M., Birn J.:	2013	Aspects of collisionless magnetic reconnection in asymmetric systems	Phys. Plasmas	20	061210.
*	Higuchi, Y., Oguri, M., Hamana, T.:	2013	Measuring the mass distribution of voids with stacked weak lensing	MNRAS	432	1021-1031.
	Hotokozaka, K., Kyutoku, K., Tanaka, M., Kiuchi, K., Sekiguchi, Y., Shibata, M., Wanajo, S.:	2013	Progenitor models of the electromagnetic transient associated with the short GRB 130603B	ApJ	778	L16.
*	Kajino, T., Mathews, g. J., and Hayakawa, T.:	2014	Neutrinos in Core-Collapse Supernovae and Nucleosynthesis.	J. Phys.	G41	44007
*	Kajino, T., Tokuhisa, A., Mathews, G. J., Yoshida, T. and Famiano, M. A.:	2014	Ultra-High-Energy Neutrinos via Heavy-Meson Synchrotron Emission in Strong Magnetic Fields.	Astrophys.	J. 782	70
	Kataoka, A., Tanaka, H., Okuzumi, S., Wada, K.:	2013	Static compression of porous dust aggregates	A&A	554	A4.
	Kataoka, A., Tanaka, H., Okuzumi, S., Wada, K.:	2013	Fluffy dust forms icy planetesimals by static compression	A&A	557	L4.
	Kawashima, T., Ohsuga, K., Usui, R., Kawai, N., Negoro, H., Matsumoto, R.:	2013	Recurrent Outbursts and Jet Ejections Expected in Swift J1644+57: Limit-Cycle Activities in a Supermassive Black Hole	PASJ	65	8.
	Kuroda, T., Takiwaki, T., Kotake, K.:	2014	Gravitational wave signatures from low-mode spiral instabilities in rapidly rotating supernova cores	Phys. Rev. D	89	id.044011.
	Kurosaki, K., Ikoma, M., Hori, Y.:	2014	Impact of Photoevaporative Mass Loss on Masses and Radii of Water-rich Sub/super-Earths	A&A	562	A80.
	Kusakabe, M., Balantekin, A. B., Kajino, T. and Pehlivan, Y.:	2013	Big-Bang Nucleosynthesis Limit on the Neutral Fermion Decays into Neutrinos.	Phys. Rev.	D87	85045
	Kusakabe, M., Kim, K. S., Cheoun, M. K., Kajino, T. and Kino, Y.:	2013	7Be charge exchange between 7Be3+ ion and exotic long-lived negatively charged massive particles in big bang nucleosynthesis.	Phys. Rev.	D88	063514 & ibid., 089904 (Erratum)

	Kuzuhara, M., Tamura, M., Kudo, T., Janson, M., Kandori, R., Brandt, T.D., Thalmann, C., Spiegel, D., Biller, B., Carson J., Hori, Y., Suzuki, R., Burrows, A., Henning, T., Turner, E. L., McElwain, M. W., Moro-Martin, A., Suenaga, T., Takahashi, Y. H., Kwon, J., Lucas, P., Abe, L., Brandner, W., Egner, S., Feldt, M., Fujiwara, H., Goto, M., Grady, C. A., Guyon, O., Hashimoto, J., Hayano, Y., Hayashi, M., Hayashi, S. S., Hodapp, K. W., Ishii, M., Iye, M., Knapp, G. R., Matsuo, T., Mayama, S., Miyama, S., Morino, J.-I., Nishikawa, J., Nishimura, T., Kotani, T., Kusakabe, N., Pyo, T. -S., E. Serabyn, E., Suto, H., M. Takami, M., Takato, N., Terada, H., Tomono, D., Watanabe, M., J. P. Wisniewski, J. P., Yamada, T., Takami, H., Usuda, T.:	2013	Direct Imaging of a Cold Jovian Exoplanet in Orbit around the Sun-like Star GJ 504	ApJ	774	11.
	Maryama, T., Hidaka, J., Kajino, T., Yasutake, N., Kuroda, T., Cheoun, M.-K., Ryu, C.-Y. and Mathews, G. J.:	2014	Rapid Spin Deceleration of Magnetized Proto-Neutron Stars with Asymmetric Neutrino Emission.	Phys. Rev.	D8	35801
	Mazzali, P. A., Walker, E. S., Pian, E., Tanaka, M., Corsi, A., Hattori, T., Gal-Yam, A.:	2013	The very energetic, broad-lined type Ic Supernova 2010ah (PTF10bzf) in the context of GRB/SNe	MNRAS	432	2463-2473.
	Nagai, T., Shinohara, I., Zenitani, S., Nakamura, R., Nakamura, T., Fujimoto, M., Saito, Y., Mukai, T.:	2013	Three-dimensional structure of magnetic reconnection in the magnetotail from Geotail observations	JGR	118	1667-1678.
	Nagai, T., Zenitani, S., Shinohara, I., Nakamura, R., Fujimoto, M., Saito, Y., Mukai, T.:	2013	Ion and electron dynamics in the ion-electron decoupling region of magnetic reconnection with Geotail observations	JGR	118	7703-7713.
*	Nakamura, F., Li, Z.-Y.:	2014	Confronting the Outflow-regulated Cluster Formation Model with Observations	ApJ	783	id115 (8pages)
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*	Nomura, M., Ohsuga, K., Wada, K., Susa, H., Misawa, T.:	2013	Modeling Line-Driven Disk Wind for Broad Absorption Lines of Quasars	PASJ	65	Article No.40
*	Sato, B., Omiya, M., Harakawa, H., Liu, Y-J., Izumiura, H., Kambe, E., Takeda, Y., Yoshida, M., Itoh, Y., Ando, H., Kokubo, E., Ida, S.:	2013	Planetary Companions to Three Evolved Intermediate-Mass Stars: HD 2952, HD 120084, and ω Serpentis	PASJ	65	85(12pp)
	Shimoikura, T., Dobashi, K., Saito, H., Matsumoto, T., Nakamura, F. 他3名	2013	Molecular Clumps and Infrared Clusters in the S247, S252, and BFSS2 Regions	ApJ	768	id72 (27pages)
	Shirasaki, M., Yoshida, N., Hamana, T.:	2013	Effect of Masked Regions on Weak-lensing Statistics	ApJ	774	111.
	Soederstroem, P.-A., Lorusso, g., Watanabe, H., Nishimura, S. et al.:	2013	Shape evolution in $^{116,118}\text{Ru}$: Triaxiality and transition between the O(6) and U(5) dynamical symmetries"	Phys. Rev.	C 88,	024301.
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	Takahashi, H. R., Ohsuga, K.:	2013	A Numerical Treatment of Anisotropic Radiation Fields Coupled with Relativistic Resistive Magnetofluids	ApJ	772	127.
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	Takeuchi, S., Ohsuga, K., Mineshige, S.:	2013	Clumpy Outflows from Supercritical Accretion Flow	PASJ	65	88.
*	Tanaka, M., Hotokezaka, K., Kyutoku, K., Wanajo, S., Kiuchi, K., Sekiguchi, Y., Shibata, M.:	2014	Radioactively Powered Emission from Black Hole-Neutron Star Mergers	ApJ	780	31.
*	Tanaka, M., Hotokezaka, K.:	2013	Radiative Transfer Simulations of Neutron Star Merger Ejecta	ApJ	775	113.
*	Tanaka, M., Moriya, T. J., Yoshida, N.:	2013	Detectability of High-Redshift Superluminous Supernovae with Upcoming Optical and Near-Infrared Surveys - II: Beyond $z=6$	MNRAS	435	2483-2493.
*	Tanaka, T., Nakamura, F. 他7名	2013	The Dynamical State of the Serpens South Filamentary Infrared Dark Cloud	ApJ	778	id34(19pages)
	Taprogge, J., Jungclaus, A., Grawe, H., Nishimura, S. et al.	2014	$1p_{3/2}$ Proton-Hole State in ^{132}Sn and the Shell Structure Along $N = 82$	Phys. Rev. Lett.	112	132501.
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	Watanabe, H., Lorusso, G., Nishimura, S. et al.:	2013	Isomers in ^{126}Pd and ^{128}Pd : Evidence for a Robust Shell Closure at the Neutron Magic Number 82 in Exotic Palladium Isotopes",	Phys. Rev. Lett.	111,	152501.
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*	Yamazaki, D., Ichiki, K., Takahashi, K.:	2013	Constraints on the multi-lognormal magnetic fields from the observations of the cosmic microwave background and the matter power spectrum	Phys. Rev. D	88	103011.
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*	Zenitani, S., Shinohara, I., Nagai, T., Wada, T.:	2013	Kinetic aspects of the ion current layer in a reconnection outflow exhaust	Phys. Plasmas	20	092120.
*	Zenitani, S., Umeda, T.:	2014	Some remarks on the diffusion regions in magnetic reconnection	Phys. Plasmas	21	034503.