

Workshop on Electro- and Photoproduction of Hypernuclei and Related Topics 2020

December 17 - 18, 2020

Online webseminars

SCIENTIFIC PROGRAM

December 17 (Thursday)

Time (CET)	Time (JST)	Presenter	Title
9:15 - 9:30	17:15 - 17:30	T. Gogami / D. Skoupil / P. Veselý	Opening session
9:30 - 9:50	17:30 - 17:50	Dalibor Skoupil	Advances in Calculations of Elementary Strangeness Production
9:50 - 10:10	17:50 - 18:10	K. Okuyama	Differential cross section for the $p(e,e'K^+)\Lambda/\Sigma^0$ reaction in the $nn\Lambda$ search experiment
10:10 - 10:30	18:10 - 18:30	Martin Schäfer	L0 pionless EFT predictions for increased $B_\Lambda(^3\Lambda\text{H}; J^\pi=1/2^+)$ - $\Lambda nn(J^\pi=1/2^+)$, $^3_\Lambda\text{H}^*(J^\pi=3/2^+)$, and $^5_\Lambda\text{He}(J^\pi=1/2^+)$ s-shell hypernuclear systems
10:30 - 10:50	18:30 - 18:50	Daria Denisova	Kinematics of Hypernuclei Production
10:50 - 11:10	18:50 - 19:10		<i>Coffee Break</i>
11:10 - 11:30	19:10 - 19:30	Sho Nagao	JLab E12-15-008: Spectroscopy of $^{40,48}\Lambda\text{K}$ with the $(e,e'K^+)$ reaction
11:30 - 11:50	19:30 - 19:50	Franco Garibaldi / Guido Maria Urciuoli	JLab Experiment E12-20-013: Studying Λ Interactions in Nuclear Matter with the $^{208}\text{Pb}(e,e'K^+)^{208}\Lambda\text{Tl}$
11:50 - 12:10	19:50 - 20:10	Omar Benhar	The $(e,e'K)$ Cross Section within Nuclear Many-Body Theory
12:10 - 12:30	20:10 - 20:30	Dimitrios Petrellis	Using information criteria for model selection
12:30 - 12:50	20:30 - 20:50	Hajime Togashi	Microscopic equation of state for hyperon matter with ΛN - ΣN coupling

December 18 (Friday)

Time (CET)	Time (JST)	Presenter	Title
9:30 - 9:50	17:30 - 17:50	Atsushi Umeya	New shell model calculation for $^{11}\Lambda\text{B}$ and $^{11}\Lambda\text{Be}$
9:50 - 10:10	17:50 - 18:10	Petr Veselý	Advances in Calculations of Hypernuclei within EMPM Approach
10:10 - 10:30	18:10 - 18:30	Emiko Hiyama	Structure of s-shell Ξ hypernuclei
10:30 - 10:50	18:30 - 18:50		<i>Coffee Break</i>
10:50 - 11:10	18:50 - 19:10	Kosuke Itabashi	Study of the Λn Final State Interaction in the $3\text{H}(e,e'K^+)X$ experiment at Jefferson Lab
11:10 - 11:30	19:10 - 19:30	Kazuki N. Suzuki	Electro-production of $nn\Lambda$ state using tritium target
11:30 - 11:50	19:30 - 19:50	Daniel Gazda	Hypertriton Lifetime Puzzle
11:50 - 12:10	19:50 - 20:10	Toshiyuki Gogami	Precise measurement of Lambda hypertriton binding energy at JLab
12:10 - 12:30	20:10 - 20:30	T. Gogami / D. Skoupil / P. Veselý	Closing session