## Program: Bethe Forum "Multihadron Dynamics in a Box - A.D. 2022"

## August 15 - 19, 2022 - bctp Bonn

	Monday, 15.08.	Tuesday, 16.08.	Wednesday, 17.08.	Thursday, 18.08.	Friday, 19.08.
9:00 - 9:50	Registration and welcome				9:00 - 10:40 Path from lattice QCD to neutrinoless double-beta decay amplitude Kadam
9:50 - 10:40	Extracting the a1 (1260) finite- volume spectrum with elongated lattices Culver	Applications and developments of the relativistic three-particle formalism Romero	Implementing the three-particle quantization condition for 2+1 systems: theoretical issues Sharpe	Two-nucleon scattering from finite- volume energies Epelbaum	10:40 - 11:10 The nucleon-pion scattering lengths from lattice QCD at \$m_{p\i} = 200{\rm MeV}\$ Bulava
10:40 - 11:30	Two- and Three-meson systems beyond s-wave from lattice QCD Hanlon	Scattering from generalized lattice \$ \phi^4\$ theory  Garofalo	Non-perturbative range corrections and spurious poles in finite volume Ebert	Recent results in HAL QCD method Aoki	<b>10:40 - 11:10</b> Coffee Break
					11:10 - 12:00  Hadronic interactions from lattice QCD with O(a) improved Wilson fermions Wittig
11:30 - 13:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	12.00 - 12:50 TBA Mohler
13:00 - 13:50	Dpik scattering and charm meson resonances from lattice QCD Thomas	Multihadron scattering in elongated boxes Lee	Recent developments to three- particle quantization conditions. Blanton	Finite Volume Pionless Effective Field Theory for lattice QCD calculations of nuclei I Shanahan	12:50 Organizers' Farewell

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13.50 - 14:40	Resonances in coupled-channel scattering Wilson	Simple three-pion and kaon systems from lattice QCD  Döring	Relativistic invariance of the NREFT three-particle quantization condition  Mueller	Finite Volume Pionless Effective Field Theory for lattice QCD calculations of nuclei II Detmold	
4:40 - 15:10	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
15:10 - 16:00	Long-range electroweak processes involving few-hadron states Briceno	Implementing the RFT scattering and decay formalism across all three-pion isospin channels  Hansen	Towards the finite-volume spectrum of the Roper resonance Severt	Lattice Effective Field Theory for Light and Medium-Mass Nuclei Elhatisari	
16:00 - 16:50	Resonance form factors from finite-volume correlation fictions with the external field method Lozano	Particles interaction in artificial traps Guo	Extending the applicability of 3- particle quantization conditions Draper	Few body hypernuclei Nogga	
17:00 - 19:00	Reception			19:00 Social Dinner	