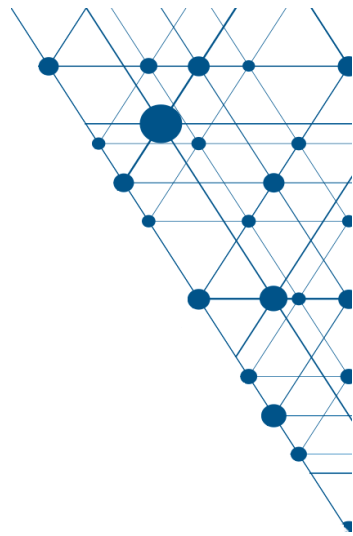


The 39. International Symposium on Lattice Field Theory

August 08 — 13, 2022
Bonn, Germany



Imprint

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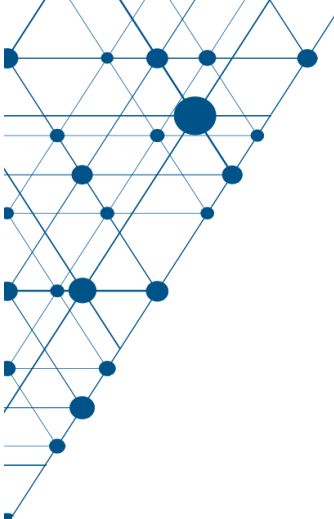
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Druckerei der Universität Bonn



Welcome to Bonn

It is with great pleasure that the Local Organising Committee welcomes you to the Lattice Conference 2022 in Bonn, co-organised by the Forschungszentrum Jülich, the University of Wuppertal and the University of Bonn. We hope you will experience an invigorating and stimulating in-person conference, especially after a two years hiatus due to the Corona pandemic.

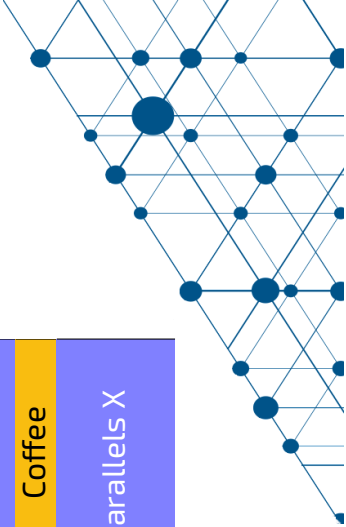
This accompanying booklet contains information about the scientific and social programme of this conference, which we believe you will find useful. If you have any further questions please feel free to ask us directly at the conference office.

You would not be holding this booklet in your hands if there was not the great commitment and effort by the International Advisory Committee, our sponsors, the Forschungszentrum Jülich and our two participating Universities, the local organisation team and the conference office staff. We sincerely thank all of them.

The Local Organising Committee

Programme Overview

Mon	Tue	Wed	Thu	Fr	Sa
Welcome					
Plenaries I	Plenaries III	Plenaries V	Parallels VII	Plenaries VII	Plenaries IX
Coffee Break					
Plenaries II	Plenaries IV	Plenaries VI	Parallels VIII	Plenaries VIII	Plenaries X
Lunch	Lunch	Lunch	Lunch	Lunch	Farewell
Parallels I	Parallels III	Parallels V	Excursions	Parallels IX	Coffee
Coffee Break					
Parallels II	Parallels IV	Parallels VI		Parallels X	
Welcome Reception	Poster Session				

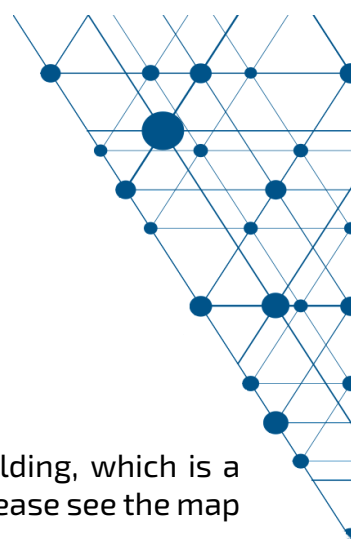


Lecture Building Ground Floor



Lecture Building First Floor





Coffee Breaks and Lunch

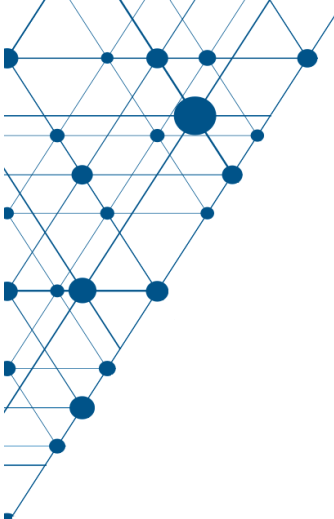
The Coffee Breaks take place in the Mensa building, which is a three minutes walk from the lecture building. Please see the map on the opposite page.

Your conference package contains a **Mensa card**, which is pre-charged with 10 EUR. You can use it to take lunch in the Mensa building. You have to re-charge your card using the charging machines located in the Mensa building with EUR banknotes only. A typical lunch will cost between 5 and 15 EUR.

Corona Measures

At the time of printing this booklet there were no specific Corona measures in place. Any changes to this will be announced during the conference.

However, wearing a mask in the lecture building **at all times** is mandatory, unless you are presenting your slides.

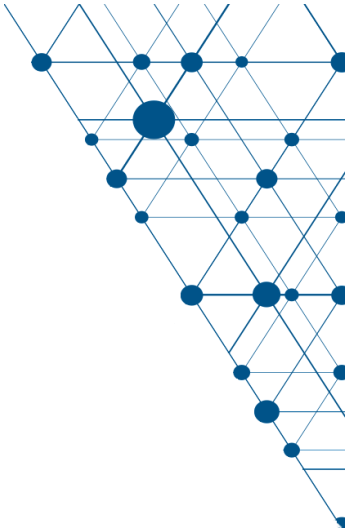


Campus Map



WLAN Access

You can access the internet via **eduroam** in all university buildings. If this does not work for you, you can obtain a temporary guest account by visiting the conference office on the ground floor of the conference building.



Plenaries Monday, August 08

08:45 h Welcome & Opening

Plenaries I

09:05 h QCD thermodynamics: an overview of recent progress

F. Cuteri

09:50 h Use of Schwinger-Dyson equation in constructing an approximate trivializing map

N. Matsumoto

10:20 h **Coffee Break**

Plenaries II

11:00 h Review on Quantum Computing for Lattice Field Theory

L. Funcke

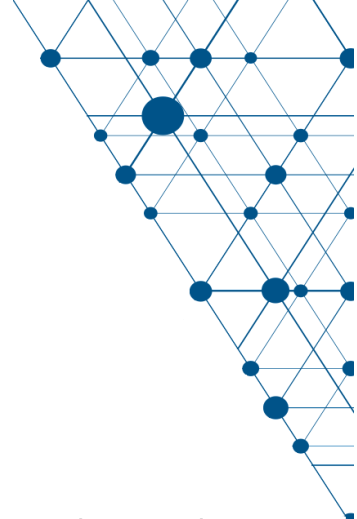
11:45 h Modular Supercomputing and its Role in Europe's Exascale Computing Strategy

S. Neuwirth

12:30 h **Lunch**

Parallel Session I & II: Monday, August 08

	H51 Non-zero Density	H52 Hadron Spec. & Interactions	H53 Particle physics for BSM	H54 Software devel. & Machines	H55 Theoretical Developments	H56 Weak Decays & Matrix Elements	H57 Algorithms
14:00	F. Di Renzo (213) Multi-point Padé for ...	S. Sharpe (59) $\pi^+\pi^+K^+K^+$ and $\pi^+K^+K^+K^+$...	G. Rossi (137) Towards a beyond ...	W. Kamleh (162) Porting the COLA ...	F. Pinto Gómez (105) General kinematics three-gluon ...	R. Horsley (127) Quasi-degenerate baryon energy ...	J. Urban (2) Flow-based density of states for ...
14:20	K. Zambello (298) Determination of Lee-Yang ...	M. Mai (133) Multihadron resonances in ...	N. Dhindsa (101) Non-perturbative study of ...	C. Lehner (78) GPT	G. Toga (4) Extracting Non-Abelian Coulomb ...	M. Batelaan (177) Calculation of hyperon ...	E. Cellini (143) Stochastic normalizing flows ...
14:40	C. Schmidt (316) Fourier coefficients of the net-baryon ...	M. Garofalo (285) Three particle resonance ...	E. Bennett (106) Update on SU(2) ...	S. Bacchio (304) Lynx-API: status update ...	A. Francis (209) Translating topological benefits ...	L. Leskovec (169) A lattice QCD ...	D. Alvestad (96) Kernel controlled real-time ...
15:00	R. Thakkar (41) Meson screening mass ...	F. Müller (82) Relativistic invariance of ...	M. Costa (12) Noether supercurrent operator ...	B. Kostrzewa (260) Twisted mass ensemble ...	M. Sarkar (311) Study of SU(2) ...	O. Bär (262) $B\pi$ excited-state contamination ...	F. Romero-Lopez (129) Gauge-equiv. flow ...
15:20	M. Naviglio (98) Electromagnetic conductivity of ...	J. Baeza-Ballesteros (148) 2- and 3-particle ...	I. Soler (40) Supercurrent renormalization in ...	F. Ziegler (222) Solvers for Wilson ...	N. Sale (3) Probing center vortices ...	A. Broll (264) Estimating Excited-States Cont. ...	G. Telo (276) Automatic differentiation for ...
15:40	M. Mandl (204) Magnetic catalysis in (2+1)-dimensional ...	D. Severt (118) Towards the finite-volume ...	B. Riederer (126) Investigating Vector Boson ...		S. Kadam (408) Loop-string-hadron formulation of ...		M. Fukuma (102) Applying the world-volume ...
16:00	Coffee break						
16:30	V. Chelnokov (397) Pion condensation at lower than ...	W. Detmold (107) Finite volume pionless effective field ...	B. Jaeger (223) Exploring the large ...	M. Wagner (336) Avoiding the Jam ...	I. Costa (334) Lattice Non-Linear Sigma ...	M. Marshall (284) Towards precision lattice ...	P. Shanahan (349) Status update on ...
16:50	P. Pattanaik (124) Nuclear Transition in the Strong ...	R. Abbott (357) 6144 Pions in ...	A. Lupo (216) Reconstruction of spectral ...	A. Walker-Loud (445) MPI Job Manager ...	A. Mariani (207) A new type ...	W. Parrott (90) The search for ...	Y. Namekawa (142) Exploration of Efficient ...
17:10	W. Unger (153) Towards Quantum Monte ...	M. Hansen (180) Implementing the finite-volume ...	A. Sherletov (234) Lattice Studies of ...		A. Matsumoto (176) Numerical studies on the finite- ...	F. Mazzetti (377) Lattice Results for ...	R. Larsen (80) Reducing the Sign ...
17:30	A. Chabane (320) Towards the phase ...	R. Briceno (281) The Lüscher scattering ...	D. Schaich (240) Exploring conformality in ...		A. Glück (327) Computing the Central Charge of ...	D. Giusti (158) Topology changing factors ...	T. Eichhorn (279) Topology changing update ...
17:50	L. Pannullo (154) Inhomogeneous phases in ...	R. Briceño (470) Formalism for studying ...	K. Cushman (196) Progress Towards Stealth ...		E. Owen (93) The critical Ising ...	N. Garron (322) An update on ...	J. Marsh Rossney (146) Machine Learning Trivializing ...
18:10	Z. Tulpant (68) Exponential improvement of ...	F. Ortega Gama (338) Finite volume corrections ...	F. Zierler (144) Dark Isosinglet Mesons ...		D. Hirtler (210) Massless Schwinger model ...		D. Albande (205) Learning trivializing flows ...
19:00	Welcome Reception						



Plenaries Tuesday, August 09

Plenaries III

- 08:50 h Topical plenary on emergent geometry and duality in the carbon nucleus
S. Shen
- 09:20 h The spectral reconstruction of inclusive rates
J. Bulava
- 09:50 h $B \rightarrow D^{(*)} \ell \nu$ semileptonic decays at non-zero recoil
A. Avilés-Casco
- 10:20 h **Coffee Break**

Plenaries IV

- 11:00 h Heavy flavor physics from lattice QCD
T. Kaneko
- 11:45 h A review on Glueball hunting
D. Vadicchino
- 12:30 h **Lunch**

Parallel Session III & IV: Tuesday, August 09

	HS1 Non-zero Temperature	HS2 Hadron Spec. & Interactions	HS3 QCD searches for BSM	HS4 Lattice Data	HS5 Vac. Str., Conf., & Chiral Symmetry	HS6 Hadron Structure	HS7 Algorithms
14:00	O. Philipson (417) Chiral spin symmetry and the QCD ...	P. Madanagopalan (95) Evidence for a ...	T. Bhattacharya (108) nEDM from the ...	MILC CLQCD	D. Sinclair (73) Chiral Symmetry Breaking...	M. Salg (195) Electromagnetic form factors ...	C. Kane (141) Overcoming exponential volume ... S. Kühn (120) Exploring the phase ...
14:20	Y. Zhang (255) Finite temperature QCD ...	S. Prelovsek (103) Doubly charm tetraquark...	K. Liu (109) Neutron Electric Dipole ...	PACS FASTSUM	C. Bonanno (79) Towards glueball masses...	G. Koutsou (166) Nucleon electromagnetic form ...	T. Jakobs (115) Digitizing gauge ... SU(2)
14:40	R. Kaiser (324) Progress on the ...	S. Aoki (100) Lattice study on ...	R. Smail (81) Constraining Beyond The ...	OpenLAT JLab/WB&M/LANL/MIT	M. Chhabra (132) Quarks and Triality ...	D. Hackett (395) Gravitational structure of ...	C. Urbach (136) Defining Canonical Momenta ... C. Powers (191) Toward Quantum Computing...
15:00	A. D'Ambrosio (218) The chiral phase ...	D. Mohler (449) D meson - pion scattering ...	M. Hoferichter (87) Chiral extrapolation of hadronic ...	ILQCD Firenze-Jülich-Samara	W. Kamleh (161) Emergent phenomena from ...	S. Ohta (84) Nucleon isovector form ...	A. Bazavov (282) Quantum state preparation ...
15:20	R. Kara (429) Parallel tempering algorithm ...	M. Sadl (92) Charmonium-like states with ...	M. Bruno (401) Isospin breaking corrections ...	RBC-UKQCD HotQCD	F. D'Angelo (173) Topological susceptibility in ...	A. Walker-Loud (439) Nucleon form factors with sLAP ...	
15:40	R. Vig (389) Topological features of ...	J. Urrea Nino (186) Optimized meson operators ...	J. Parrino (122) The (g-2) intermediate ...	CLS ETMC		J. Koponen (188) Isovector Axial Form Factor of the ...	
16:00	Coffee break						
16:30	S. Sharma (225) Charm fluctuations in (2+1)-flavor ...	S. Collins (226) A determination of ...	S. Bacchio (181) Disconnected contribution to ...		N. Pielmeier (339) Numerical investigation of ...	K. Ohtnad (183) Mass and isovector ...	E. Mendicelli (243) Real time evolution ...
16:50	M. Winetel (219) Absence of inhomogeneous ...	G. Pederiva (433) Benchmark Continuum Limit ...	G. Gagliardi (182) Time windows of ...		Y. Hayashi (263) Non-invertible self-duality defects ...	J. Lozano de la Parra (72) Reson. form factors ...	T. Angelides (134) Determining the Mass Renormalization ...
17:10	C. Torok (128) Euclidean correlators at ...	R. Höllwieser (256) The static energy ...	S. Kubiś (217) Intermediate window observable ...		D. Vadamchinn (212) Topological susceptibility, scale ...	R. Tsuji (39) Towards the continuum ...	H. Lamm (393) Improving Quantum Simulations ...
17:30	G. Parker (333) Complex potential at $T > 0$...	C. Schlosser (273) Lattice field theory ...	M. San José Pérez (251) The hadronic running (I) ...		U. Wiese (228) Charged Particles in ...	D. Jenkins (193) Sigma Terms and ...	B. Sambasivam (241) Quantum Computing for ...
17:50		M. Pfau (325) Antiheavy ² -light ² 4-quark bound ...	H. Wittig (259) The hadronic running (II) ...		J. Dasilva Gólan (354) SU(N) fractional instantons ...	D. Djukanovic (331) The pion-nucleon sigma ...	
18:10		D. Zhao (474) The continuum limit ...				P. Petrak (114) Sigma terms of ...	
19:00	Poster session						



Plenaries Wednesday, August 10

Plenaries V

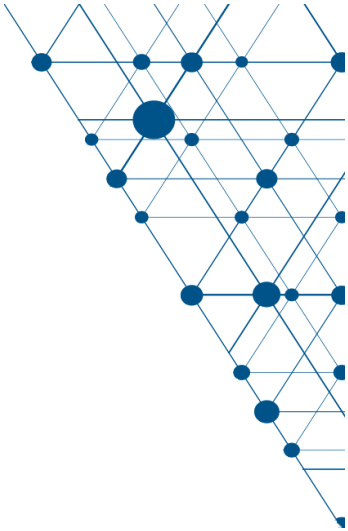
- 08:50 h The Compton amplitude and nucleon structure functions
K. Can
- 09:20 h Neutrino Oscillation and Lattice QCD
A. Meyer
- 09:50 h Gluon Structure from Lattice QCD
J. Karpie
- 10:20 h **Coffee Break**

Plenaries VI

- 11:00 h Topical plenary on multi-particle interactions from lattice QCD
F. Romero-Lopez
- 11:30 h Hadron Spectroscopy and Interactions from Lattice QCD
L. Liu
- 12:15 h Update on the International Lattice Data Grid
F. Karsch
- 12:30 h **Lunch**

Parallel Session V & VI: Wednesday, August 10

	H51 Non-zero Temperature	H52 Hadron Structure	H53 Particle physics for BSM	H54 Standard Model Parameters	H55 Theoretical Developments	H56 Weak Decays & Matrix Elements	H57 Algorithms
14:00	K. Kanaya (135) Phase structure and ...	M. Engelhardt (140) Trans. momentum-dep. parton ...	O. Witzel (247) Renormalization Group beta ...	G. Bali (353) The light quark ...	S. Catterall (86) t'Hooft anomalies ...	M. Di Carlo (348) Lattice calculation of leading isospin ...	M. Fromm (350) D_n Lattice Gauge ...
14:20	B. Page (178) Novel bottomonium spectral ...	X. Gao (99) Lattice QCD Determination ...	J. Lee (246) Spectroscopy of $Sp(4)$...	A. Saez (289) Scale setting from ...	J. Pedersen (296) Reformulation of anomaly ...	N. Hermansson-Truedsson (197) E&M FV effects ...	C. Culver (404) Quantum computing for ...
14:40	T. Spriggs (421) New results for ...	L. Walter (70) Quark Transversity Distributions ...	H. Hsiao (245) Spectroscopy of chimera ...	G. Herdoiza (268) Light quark masses ...	K. Nakayama (187) Casimir effect for ...	A. Portelli (337) Estimation of scheme ambiguities in ...	J. Bloch (89) Grassmann tensor-network method ...
15:00	V. Leino (11) Heavy quark diffusion coefficient with ...	A. Sen (323) Study of quasi-beam function in twisted ...	F. Sp (305) Density of states ...	F. Stokes (444) f_K and f_π ...	P. Butti (104) Adjoint fermions at ...	J. Frison (378) A comparison of ...	T. Kuwahara (446) Toward tensor renormalization ...
15:20	L. Altenkort (190) The heavy quark ...	H. Shu (7) Collins-Soper kernel and ...	H. Bergallo Rocha (283) Position-Space Renorm. ...	J. Yoo (351) Electroweak box diagrams ...	M. Bauer (252) Density profiles and ...	T. Yamazaki (130) Momentum transfer dependence ...	R. Sakai (238) Entanglement filtering and ...
15:40	S. Ali (313) Study of charm ...	A. Hanlon (388) Nucleon PDFs at ...	G. Bergner (206) One flavour adjoint ...	A. Conigli (235) Towards precision charm ...	M. Saccardi (201) 4D domain decomposition ...		L. Hostettler (403) Symmetry breaking in an extended ...
16:00	Coffee break						
16:30	C. Allton (432) Recent results from ...	J. Delmar (239) Unpolarized gluon PDF ...	C. Peterson (369) Gradient flow anomalous ...	A. Shindler (434) Observations and results ...	C. London (328) Probing the singularities ...	A. Lytle (232) B-meson semileptonic decays ...	C. Gattringer (152) Density of states ...
16:50	R. Bignell (363) Charm baryons at ...	M. Bhat (10) Continuum limit of ...	A. Kumar (427) Complex Langevin Study ...	C. Monahan (341) Non-pert. renormalization ...	M. Schiffer (394) The de Sitter ...	W. Jay (244) D-meson semileptonic decays ...	T. Rindlisbacher (286) Improved lattice method ...
17:10	L. Laudicina (172) QCD mesonic screening ...	J. Dodson (399) Chiral-even twist-3 GPDs ...	E. Dobson (400) The spectrum of ...	J. Mayer-Staudte (385) Implications of ...	S. Furui (8) Clifford Fourier Transforms ...	C. Kelly (332) Progress towards an improved lattice ...	J. Kim (295) Error Reduction using Machine Learning ...
17:30	T. Kovacs (300) Topology and the ...	C. Egerer (411) Leading-twist Quark PDFs ...	D. Mason (319) The density of ...		A. Ramos (453) Testing universality of gauge ...	M. Tomli (97) Direct CP violation ...	M. Neumann (345) An ML approach ...
17:50	E. Garnacho Velasco (346) Anomalous trans. ...	R. Sufiani (94) Towards determining gluon ...	M. Rizik (438) Operator Mixing under the Gradient ...				J. Komijani (170) Generative models for scalar field ...
18:10		A. Hannaforde Gunn (266) A lattice QCD ...					M. Rodekamp (157) Mitigating the Hubbard ...



Lunch Meetings

Monday, August 8

12:30 h Lattice Diversity & Inclusivity Lunch
SR 3 & 4

Tuesday, August 9

12:30 h Women in Lattice Lunch
HISKP, SR I, Nussalle 14-16
Lunch will be provided

Wednesday, August 10

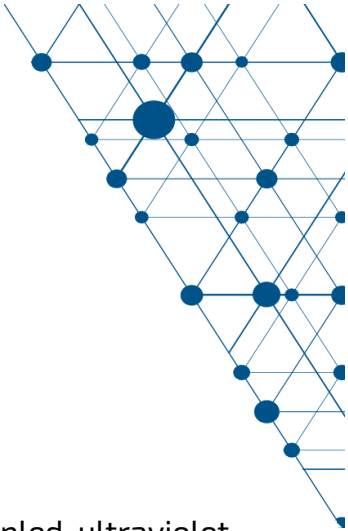
12:30 h ILDG Lunch
SR 3 & 4

Friday, August 12

12:40 h IAC Meeting
SR 3 & 4
Lunch will be provided
on invitation only

Parallel Session VII & VIII: Thursday, August 11

	HS1 Non-zero Density	HS2 Hadron Structure	HS3 QCD searches for BSM	HS4 Software devel. & Machines	HS5 Theoretical Developments	HS6 Hadron Spec. & Interactions	HS7 Algorithms
09:00	B. Brandt (386) Equation of state ...	C. Alexandrou (149) Nucleon transverse quark ...	R. Gruber (343) A first look ...	P. Nguyen (231) Performance optimization of ...	M. Ansova (425) Simulation of self-dual ...	A. Athenodorou (229) The glueball spectrum with $N_f = 4$...	C. Yunus (159) Infinite Variance in ...
09:20	D. Clarke (116) Isothermal and isentropic ...	S. Bhattacharya (318) GPDs in non-symmetric ...	A. Altherr (317) A first look ...	V. Ayyar (125) Optimizing Staggered Multigrid ...	M. Bresciani (214) Thermal QCD for ...	K. Sakai (145) Lattice calculation of leading isospin ...	F. Zimmermann (412) Oscillating Autocorrelation and ...
09:40	J. Goswami (147) The isentropic equation ...	M. Constantinou (307) Accessing proton GPDs ...	S. Martins (314) Finite-Size Effects of the Hadronic ...	S. Yamamoto (292) Running HMC Simulations ...	P. Baglioni (265) Numerical Stochastic Perturbation ...	S. Romiti (310) Anisotropy from the ...	U. Wenger (413) Transfer matrices and temporal ...
10:00	S. Mitra (74) A new way ...	J. Holligan (199) Calculation of Distribution ...	A. De Santis (277) Probing the R-ratio ...	K. Clark (430) Maximizing the Bang Per ...	A. Rothkopf (42) Towards symmetric discretization ...	R. Mawhinney (392) Scale Setting for ...	M. Khalil (261) MLMC++ as a ...
10:20	A. Pasztor (123) Direct results for ...	C. Zimmermann (83) Double parton distributions ...	R. Harlander (164) Renormalization of the ...	E. Bennett (76) Status of reproducibility ...	M. Krstic Marinkovic (335) What is the ...	A. Segner (198) Setting the Scale ...	G. Ramirez-Hidalgo (258) Deflation in MG ...
10:40	J. Guenther (167) Resummed lattice QCD ...		G. Kanwar (326) Pion pole contributions ...	A. Athenodorou (293) Open Science in ...	F. Lange (382) The gradient flow ...	J. Weber (69) Static Energy In ...	J. Pinto Barros (436) Towards the Application ...
11:00	Coffee break						
	HS1 Non-zero Density	HS2 Hadron Spec. & Interactions	HS3 QCD searches for BSM	HS4 Standard Model Parameters	HS5 Theoretical Developments	HS6 Nuclear Physics	HS7 Algorithms
11:30	F. Ziegler (221) QCD equation of ...	M. Wagman (376) 2-baryon variational spect ...	S. Burri (330) Eta pole contributions to Hbl ...	R. Sommer (448) Log-enhanced discretization errors ...	M. Hirasawa (280) The emergence of ...	E. Berkowitz (368) Structure Factors of ...	T. Harris (308) Efficiently unquenching EFT ...
11:50	M. West Hansen (416) Boundary terms in ...	M. Cè (356) Hadronic observables from ...	R. Hill (361) Rare $K^+ \rightarrow \pi^+ \ell^+ \ell^-$...	L. Chimiri (156) A Quenched Exploration ...	A. Risch (271) The influence of ...	N. Warrington (424) Symmetries Improve-ment of ...	J. Stryker (437) Circuitizing product formulas ...
12:10	E. Itou (138) Bump of sound ...	R. Hudsphith (352) Non-perturbative heavy quark ...	R. Hodgson (344) Progress on the ...	L. Pirelli (155) RG-running of the ...	L. Varnhorst (373) Real time evolution ...	J. Green (215) Nucleon-nucleon scattering from ...	C. Wong (194) On the determination of the strong ...
12:30	K. Murakami (139) Measurement of hadron ...	F. Joswig (189) Exploring distillation at ...	F. Erben (203) Finite-volume effects in ...			L. Meng (163) Extracting the chiral ...	A. Tomiya (291) T-mu phase diagram using classical ...
12:50	Lunch						
14:00	Excursions						



Plenaries Friday, August 12

Plenaries VII

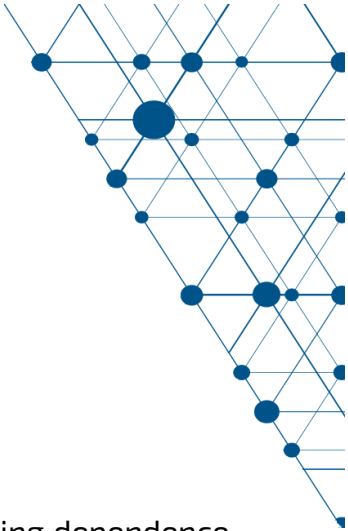
- 08:50 h Emergent strongly coupled ultraviolet
fixed point with 8 fundamental flavors
A. Hasenfratz
- 09:20 h Quantum chaos in supersymmetric
Yang-Mills-like model from exact diag-
onalization
P. Buividovich
- 09:50 h KWA ceremony and presentation  EPJ.org
J. Zanotti
- 10:30 h **Coffee Break**

Plenaries VIII

- 11:10 h Exotic hadrons from an EFT perspective
F. Guo
- 11:55 h Probing new horizons with flavour at
the LHCb experiment
V. Lisovskyi
- 12:40 h **Lunch**

Parallel Session IX & X: Friday, August 12

	HS1 Non-zero Temperature	HS2 Hadron Structure	HS3 QCD searches for BSM	HS 4	HS 5	HS6 Weak Decays & Matrix Elements	HS7 Hadron Spec. & Interactions
14:10	A. Marques Valois (372) Lattice QCD with ...	F. Gil Dominguez (175) Quark mass dependence ...	S. Mützel (391) Hadronic contribution to ...			M. Black (168) B Meson Decay ...	A. Nicholson (435) Resolving the NN ...
14:30	L. Maio (165) QCD phase diagram ...	F. Pittler (267) Pion nucleon excited state effects ...	F. Frech (409) Hadronic vacuum polarization ...			R. Kellermann (275) Incl. semi-leptonic decays ...	Z. Draper (419) Investigating Unitarity Violation ...
14:50	J. Hernández Hernández (272) Topology in EBM ...	G. Spanoudes (227) Non-pert. renormalization ...	P. Oare (233) Neutrinoless Double Beta ...			A. Barone (274) Inclusive semileptonic leptonic B_c ...	A. Jackura (390) Long-range matrix elements ...
15:10	H. Meyer (237) Photon and dilepton ...	F. Lee (220) Pion polarizability from ...	A. Greife (398) Preliminary Lattice QCD ...			A. Smecca (179) Inclusive semileptonic B -decays ...	S. Paul (249) The long-distance behavior ...
15:30	D. Bala (184) Photon production rate ...	K. Sato (250) Calculation of the ...	A. Kotov (374) Intermediate window observable ...			J. Lin (355) Lattice study of ...	B. Colquhoun (290) Precise determination of ...
15:50	A. Krasniqi (121) $A(2+1)$ -flavor lattice study of the ...	R. Gupta (471) Nucleon charges, moments, ...	W. Verplanken (379) Pseudoscalar transition form ...			N. Schlage (224) Hadronic Parity Violation ...	
16:10	Coffee break						
16:40	V. Aoki (174) Thermodynamics with Möbius ...	L. Barca (342) Removing the N_π ...	S. Gottlieb (423) Hadronic Vacuum Polarization ...				J. Lücke (365) An update on ...
17:00	I. Kanamori (301) Thermodynamics with Möbius ...	J. Zanotti (131) The momentum sum rule via ...	B. Tóth (418) Updates on the ...				A. Rodas (367) The σ resonance ...
17:20	A. Roenko (75) Thermal phase transition ...	R. Perry (160) Progress in calculation ...	G. Sinha Ray (431) Calculating the QED ...				R. Mukherjee (299) The $I=1/2$ and ...
17:40	C. Winterowd (422) Non-perturbative determination of ...	S. Park (358) Update on flavor ...	G. Wang (410) Muon $g-2$ with ...				N. Pitanga Lachini (315) Towards $K\pi$ scattering ...
18:00	C. Konrad (257) Mean-field approximation of ...		M. Gotterman (117) The muon anomalous magnetic moment ...				
18:20	P. Parotto (375) Electric charge fluctuations ...		C. Lehner (77) RBC/UKQCD update of the HVP ...				



Plenaries Saturday, August 13

Plenaries IX

- 08:50 h Asymptotic lattice spacing dependence of spectral quantities in lattice QCD with Wilson or Ginsparg-Wilson quarks
N. Husung
- 09:20 h Master-field simulations of QCD and the exponential clover action
P. Fritzsch
- 09:50 h Stochastic and Tensor Network simulations of the Hubbard Model
J. Ostmeyer
- 10:20 h **Coffee Break**

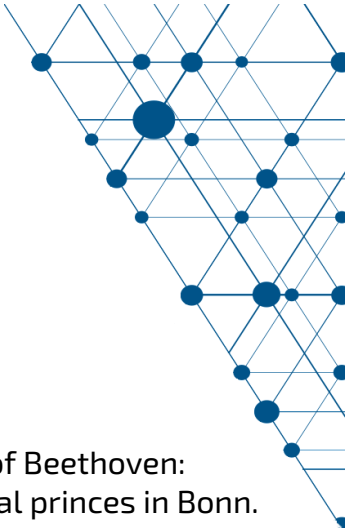
Plenaries X

- 11:00 h Review on Algorithms for dynamical fermions
J. Finkenrath
- 11:45 h Matching lattice QC+ED to Nature
N. Tantalo
- 12:30 h Lattice 2023 Announcement & Closing

Poster Session Tuesday, August 9

The poster session takes place in the Mensa building.

Posters A 19:00 h – 20:00 h		Posters B 20:00 h – 21:00 h	
A0. M. Lynch Contrasting low-mode noise reduction techniques for light HISQ ...	A1. E. Galsandorj Distribution of energy-momentum tensor around static quarks in...	B0. P. Rouenhoff Metadynamics Surfing on Topology Barriers in the Schwinger ...	B1. P. Tavella Strange and charm contribution to the HVP from ...
A2. N. Meyer MRHS multi-grid solver for Wilson clover fermions ...	A3. M. Ammer Perturbative determination of c_{SW} to one-loop order for ...	B2. J. Marques Leal Jr The Quark-Gluon Vertex from Lattice QCD at Finite ...	B3. R. Basta QCD Thermodynamics with stabilized Wilson fermions ...
A4. L. Mueller Study of $I = 0$ bottomonium bound states ...	A5. J. PAK Meson mass spectrum with HYP-smear staggered fermions using ...	B4. I. Kanamori Bridge++ 2.0: Benchmark results on supercomputer Fugaku ...	B5. H. Jeong Two-link Staggered Quark Smearing in QUDA ...
A6. P. Bicudo Eight spectra of very excited flux tubes in ...	A7. S. Jwa Recent progress on data analysis on correlation functions ...	B6. O. Kaczmarek SIMULATeQCD - a Simple Multi-GPU LATice code for ...	B7. J. Tsang Isospin breaking corrections from massive QED ...
A8. G. von Hippel Padé and Padé-Laplace methods for masses and matrix ...	A9. L. Gayer Excited B_c , B_s and B_c mesons ...	B8. A. Avkhadiev Improving Lattice QCD calculation of the Collin-Soper Kernel ...	B9. J. Bulava The nucleon-pion scattering lengths on a single CLS ...
A10. P. Madanagopalan Ab-initio study of dibaryons with highest bottom number ...	A11. J. Hoffmann Inclusion of heavy quark spin effects in the ...	B10. W. Soeldner Details of RQCD analyses on CLS ensembles ...	B11. M. Wagner Lattice QCD study of antiheavy-antiheavy-light-light tetraquarks based on ...
A12. T. Whyte Interpolation as a means of shift selection in ...	A13. T. Korzec Heavy Quarks in a Can and the QCD ...	B12. O. Francesconi Laph interpolating fields with open boundary conditions ...	B13. A. Cotellucci Tuning of QCD+QED simulations with C^* boundary conditions ...
A14. C. Schneider Gradient flow scale setting with tree-level improvement ...	A15. S. Durr Intra-taste eigenvalue splittings of staggered, KW and BC ...	B14. J. Neuendorf Direct access to hadronic decay parameters with twisted ...	B15. P. Hotzy Recent developments on real-time simulations of non-abelian gauge ...
A16. B. Choi Data analysis on 2pt and 3pt correlation functions ...	A17. H. Herodotou Fine-Tuning of the Yukawa and Quartic Couplings in ...	B16. G. Fleming Update on light composite scalar in eight-flavor SU(3) ...	B17. J. Kuhlmann On improvement and renormalisation of quark currents with ...
A18. W. Lee 2022 update of ε_K with lattice QCD inputs ...	A19. A. Evangelista Direct lattice calculation of inclusive hadronic tau decay ...	B18. J. Swaim Fourier acceleration in strongly-interacting linear sigma models ...	B19. J. Tarello A study of the pion and the kaon ...
A20. C. Groß Nonperturbative matching of Hamiltonian and Lagrangian Simulations ...	A21. F. Attanasio Varying momentum cutoffs in lattice effective theories ...	B20. L. Vittorio The Dispersion Matrix approach to semileptonic heavy-to-heavy and ...	B21. S. De La Motte Calculating B-meson Decay Constants, via SU(3)f Symmetry ...
A22. Y. Dengler The Second Love Number of Dark Compact Planets ...	A23. B. Cid-Mora NLO perturbative effects in QCD sum-rule analyses of ...	B22. N. Chreim Isospin Breaking Effects in the 2-Flavor Schwinger Model ...	B23. M. Wingate Semileptonic $b \rightarrow u$ and $b \rightarrow s$...



Excursions

Discover Bonn on Foot

Roman foundation, baroque residence, and city of Beethoven: Follow the traces of the Romans and the electoral princes in Bonn.

Paths of Democracy

A tour through the former government district to the cradle of German democracy after World War II.

Jubilee Tour: The Beethoven Story

On this walking tour you will learn about the life and work of the world-famous composer Ludwig van Beethoven.

Bonn: Gate to the Romantic Rhine

In a river boat of the „White Flotilla“ (Bonner Personenschiffahrt) you will go up the Rhine to Königswinter, passing various attractions, and back.

Köln: Old Town and Cathedral

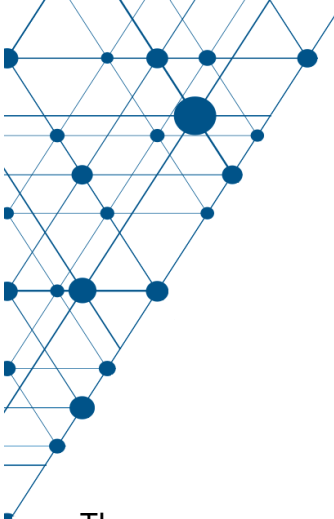
A time travel with glimpses backwards to the Roman Colonia, to the medieval city, the devastation of wars and the rebuilding of the city as it is today.



Welcome Reception



If the weather permits, the welcome reception will take place in the Botanical Garden directly next to the Poppelsdorf Castle. The reception will start at 19:00 h. You can enter the area using the entrance at Meckenheimer Allee 169 (at Café Nees), which is a ten minutes walk from the conference building.



Digital Conference Programme

indico

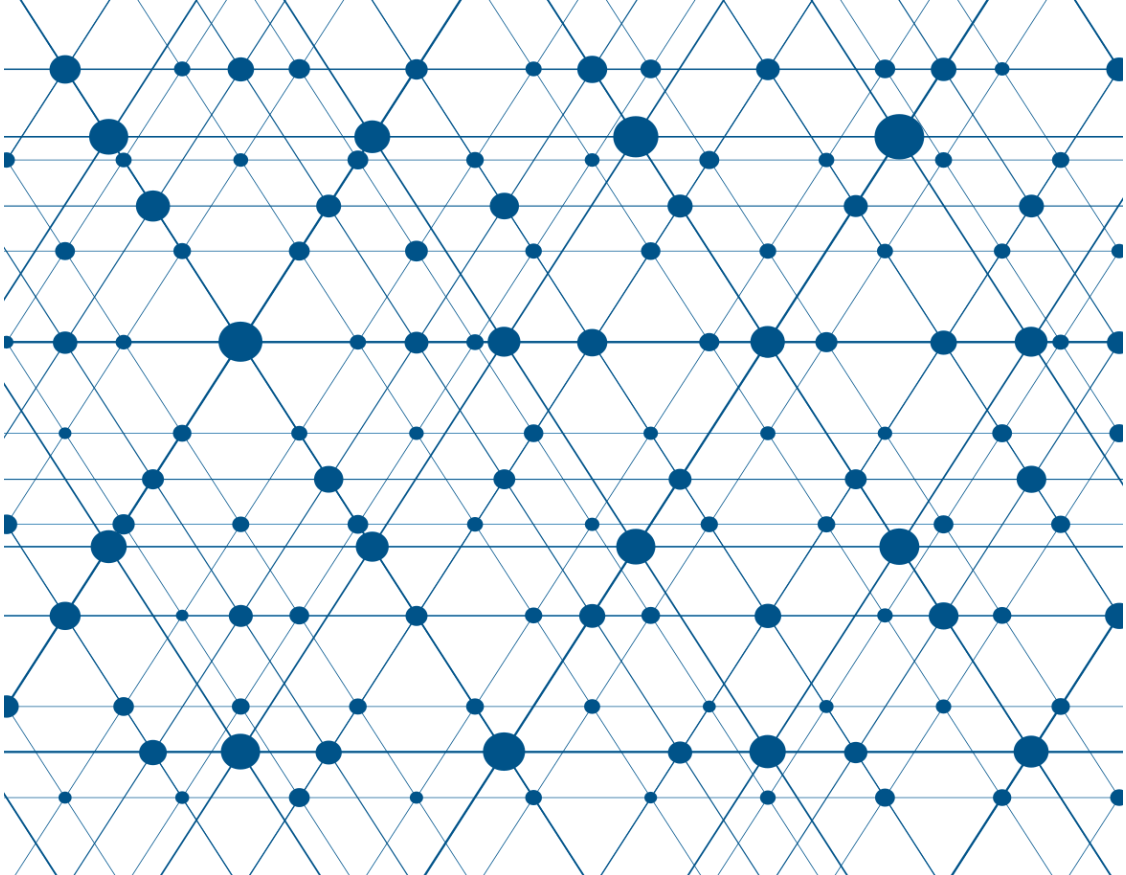
The programme printed in this booklet is also available on the indico page of the conference. If there are any changes to the programme, they will be made available via indico.



conference4me

The up-to-date plenary and parallel programme is also available via the **conference4me** mobile app. You can download it via the app stores of google or apple. The app allows you to create your own timetable for parallel talks. Moreover, you can let the app notify you about changes in the programme via push notifications.





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