

CARMA2017–CIRM

MONDAY

9:30 – 9:35 *Opening of the workshop*

9:35 – 10:35 Henrik BACHMANN

A simultaneous q -analogue of finite and symmetrized multiple zeta values

11:00 – 12:00 Kurusch EBRAHIMI–FARD

Monotone, free, and boolean cumulants from a shuffle algebra viewpoint

16:30 – 17:30 David SAUZIN

Analytic linearization of multi-dimensional dynamical systems through tree-expansions

18:00 – 19:00 Carlos MAFRA

Superstring scattering amplitudes and combinatorics

TUESDAY

9:30 – 10:30 Gerald DUNNE

Quantum Geometry and Resurgent Perturbative/Non-perturbative Relations

11:00 – 12:00 Jean ECALLE

Taming the coloured multizetas

16:30 – 17:30 Ovidiu COSTIN

Resurgence analysis and effective resummation of divergent series

18:00 – 19:00 Ines ANICETO

Beyond asymptotics in gauge and string theories

WEDNESDAY

9:00 – 10:00 David BROADHURST

Explosive combinatorics from Feynman integrals

10:15 – 11:15 Karen YEATS

Connected chord diagrams, bridgeless maps, and perturbative quantum field theory

11:25 – 12:25 Michael BORINSKY

Flag decompositions of graphs and their Hopf algebraic structure

THURSDAY

9:30 – 10:30 Dominique MANCHON

Free post-Lie algebras, the Hopf algebra of Lie group integrators and planar arborification

11:00 – 12:00 Sylvie PAYCHA

Branched zeta functions and a refined universal property for trees

16:30 – 17:30 Frédéric PATRAS

Pictures!

18:00 – 19:00 Jean-Christophe NOVELLI

Hopf Algebras on m -permutations and $(m + 1)$ -ary trees

FRIDAY

9:30 – 10:30 Emily BURGUNDER

Generalised algebras and freeness

11:00 – 12:00 Viviane PONS

Lattice and Hopf algebra of integer relations

14:30 – 15:30 Michael HOFFMAN

Quasi-shuffle algebras