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Nuclear short range correlations and universality

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Few years ago it was suggested by S. Tan that the properties of cold and dilute quantum gases depend on a new characteristic quantity, the contact", that describes the probability of two particles coming close to each other. Generalizing this concept to nuclear physics interesting relations between e.g. the 1-body, 2-body momentum distributions, and the 2-body density can be derived. In my talk I will present Tan'scontact" and its generalization to nuclear and molecular systems. I will introduce the various nuclear contacts, and their applications to analyse electron scattering experiments.

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