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Pion scattering in finite volume within the Inverse Amplitude Method

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We study the effect of a finite volume for pion-pion scattering over energy levels and physical observables such as the phase-shift or pion mass. The method to determine the energy levels is done using a finite set of Crystal harmonics or the matrices which represents the Irreps properly, which expands our Inverse Amplitude Method, over a set of irreducible groups of rotations from the octahedral or little group, giving us a forward classification of energy levels.

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Clasificación de la sesión : Session 3: Friday afternoon