

“ From the S -matrix to Feynman Diagrams “

Abstract:

We define the S -matrix and motivate it from scattering experiments. We then sketch in a simple example how Feynman Diagrams can help to compute the elements of the S -matrix. (I think the simple case is "scalar mesons" in a 0-dimensional finite universe.) We conclude by introducing Feynman parameters, who suggest a relation of Feynman diagrams to outer space.