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Pion scattering: from Lovelace-Shapiro to Neveu-Schwarz and beyond

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We show how to embed the Lovelace-Shapiro model for pion scattering in the Neveu-Schwarz fermionic string. In particular we relate the 4-point pion amplitude exposing Adler's zero to a peculiar 4-point tachyon amplitude. We then show how to compute higher point amplitudes involving not only pions but also rho mesons and sigma particles and discuss the low-energy limit. We conclude with some caveats about the extension of the procedure to amplitudes with more than six insertions.

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