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Light pseudoscalar and axial meson spectroscopy via an AdS/QCD modified soft wall model

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We describe the mass spectrum of light pseudoscalars and axial mesons using a modified softwall model with an UV cutoff. These mesons are included using an anomalous dimension that shift the conformal dimension of the non-interacting bulk fields. Using the extra UV cutoff approach, we can fit six eta and six a1 states organized in radial trajectories with an error close to 21.1%. We also confirm that chiral symmetry is restored in this model after checking that highly excited rho and a1 states become degenerate.

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