Annalisa Mastroserio

Assistant Professor at the University of Foggia and associate member of the Istituto Nazionale di Fisica Nucleare (INFN) in Italy, I have been working for the ALICE Experiment at CERN since 15 years. I like challenges and my last one is on the search of an exotic nuclear state in ultrarelativistic heavy ion collisions.

Its existence will crucially affect our understanding of nuclear forces and the huge combinatorial background makes this signal extraction very difficult, if ever existing.

Data driven Machine Learning tools were firstly exploited, and since this is a new physics search my studies are now dedicated to the results provided by unsupervised algorithms.