Quantum Information and computing

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Exam assignment

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Exercise 1:
   Study how tree tensor networks can be used to set up a machine learning algorithm (look at E. Stoudenmire and D. J. Schwab, in Advances in Neural Information Processing Systems 29 (Curran Associates, Inc., 2016) and arxiv:2004.13747)

Exercise 2:
   Write a code to able to classify high-energy physics data by using a TTN based supervised learning algorithm

Exercise 3:
   Test your code on the Baldi dataset and discuss the results you obtain.