

Refining mass formulas for astrophysical applications: A Bayesian neural network approach

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1. In Figure 4 a and b what is the difference between the DZ and BNN-DZ or HFB19 and BNN-HFB19? (Ibrahim)
2. What are the eleven science questions for new century? See Reference [7]. (Tyler)
3. What is Bayesian Neural Network (BNN)? How is it different from a normal neural network? (Sudhanva)
4. What is a simple example of a neural network application? What are some other areas of physics where BNN is used? (Utsav)
5. Why is it important to identify where the drip line is? (Joey)
6. Why is the $N = 82$ shell closure important in nuclear astrophysics? (Taya)
7. What are the features of different mass models (Duflo-Zuker model, HFB19, FRDM)? In what aspect one is better as compare to another? (Shiv)
8. What are the training and data sets used in this paper? Is this supervised neural network analysis? (Mahesh)
9. Are the number of nodes used in the layers same for two different models? (Cole)