

## Nuclear data generation by combining machine learning and nuclear reaction models/機械学習と核反応模型を組み合わせた核データ生成

In recent years, there have been many attempts to generate nuclear data using machine learning. Following this trend, we are trying to generate nuclear data by combining machine learning and nuclear reaction models. In this presentation, we will present the award-winning paper “Nuclear data generation by machine learning (I) application to angular distributions for nucleon-nucleus scattering” [1] and our recent research results.

### References

[1] S. Watanabe, F. Minato, M. Kimura, N. Iwamoto et al., “Nuclear data generation by machine learning (I) application to angular distributions for nucleon-nucleus scattering”, J. Nucl. Sci. Technol. 59(11), (2022), pp. 1399-1406.

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