

Electric power consumption of RIKEN Nishina Center in 2021

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An electricity consumption of RIKEN Nishina Center (RNC) for each month in 2021 compared to 2019 and 2020 is shown in Fig. 1. The reason for the large increase in power consumption from April to June compared to last year is mainly due to a fact that no RI Beam Factory (RIBF) experiments were conducted last year due to the pandemic and failure of the RRC cavities.

In 2021, a total annual power consumption of the RNC was 63,746 MWh, an increase of 13% compared to 2020. The increase in the total annual power consumption is mainly due to the RIBF experiment in the previous period, as mentioned earlier. The total power of the RNC reached a maximum of 17.5 MW on November 18 when the RIBF experiment with a uranium (^{238}U) beam was being tuned.

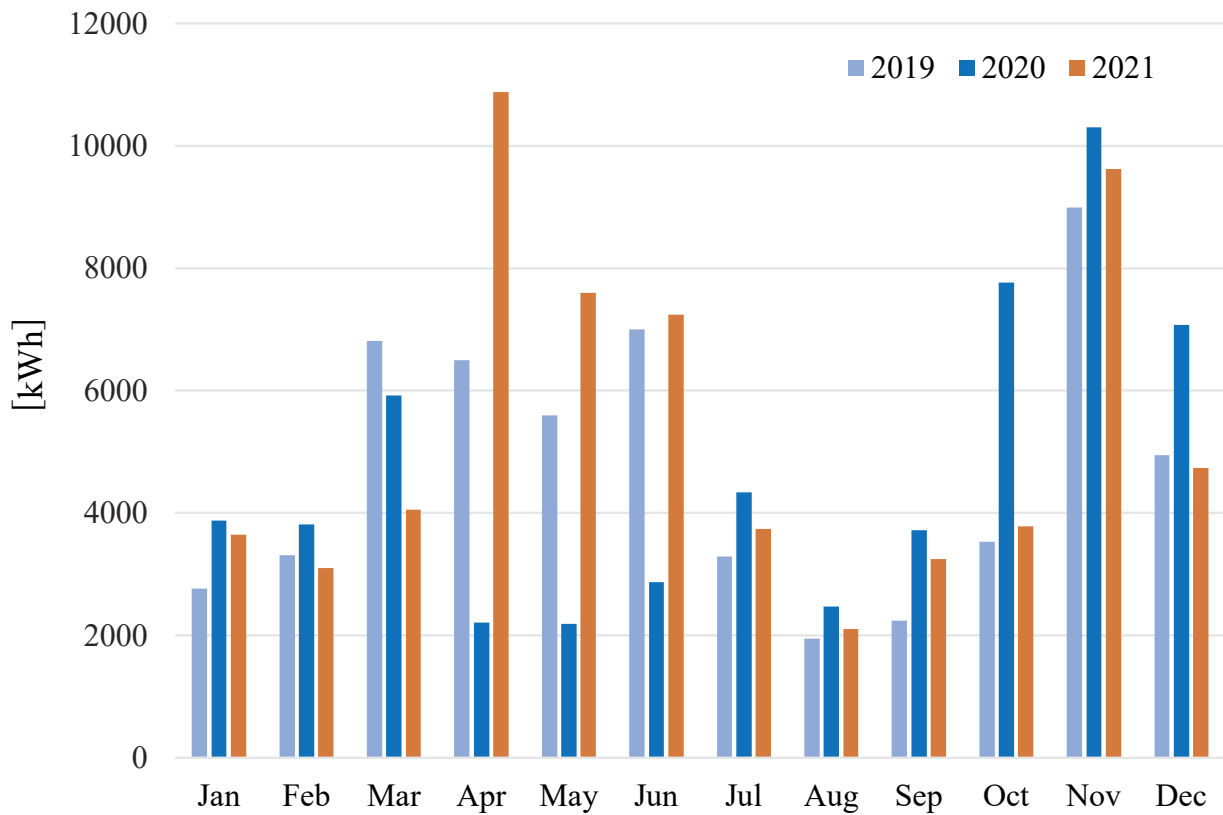


Fig. 1. Electricity consumption of RNC for each month in 2021 compared to 2019 and 2020.

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