# Electric power consumption of RIKEN Nishina Center in 2022

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A comparison of the electricity consumption of RIKEN Nishina Center (RNC) for each month in 2022 with those in 2020 and 2021 is presented in Fig. 1. The large increase in power consumption in March 2022 as compared with that in March 2021 may be attributed to the RI Beam Factory (RIBF) experiment started on March 18, 2022, whereas, in 2021, it started in April. The lower power consumption in November 2022 compared to that in November 2021 was caused by a delay in the commencement of the RIBF experiment owing to the failure of the BigRIPS chiller.

In 2022, the total annual power consumption of the RNC was 67,338 MWh, an increase of 6% when compared 2021. This increase could be attributed primarily to the RIBF experiment conducted in the previous period, as mentioned earlier. The total power of the RNC reached a maximum of 16.6 MW in April 16th when the uranium ($^{238}$U) beam was being tuned for the RIBF experiment.

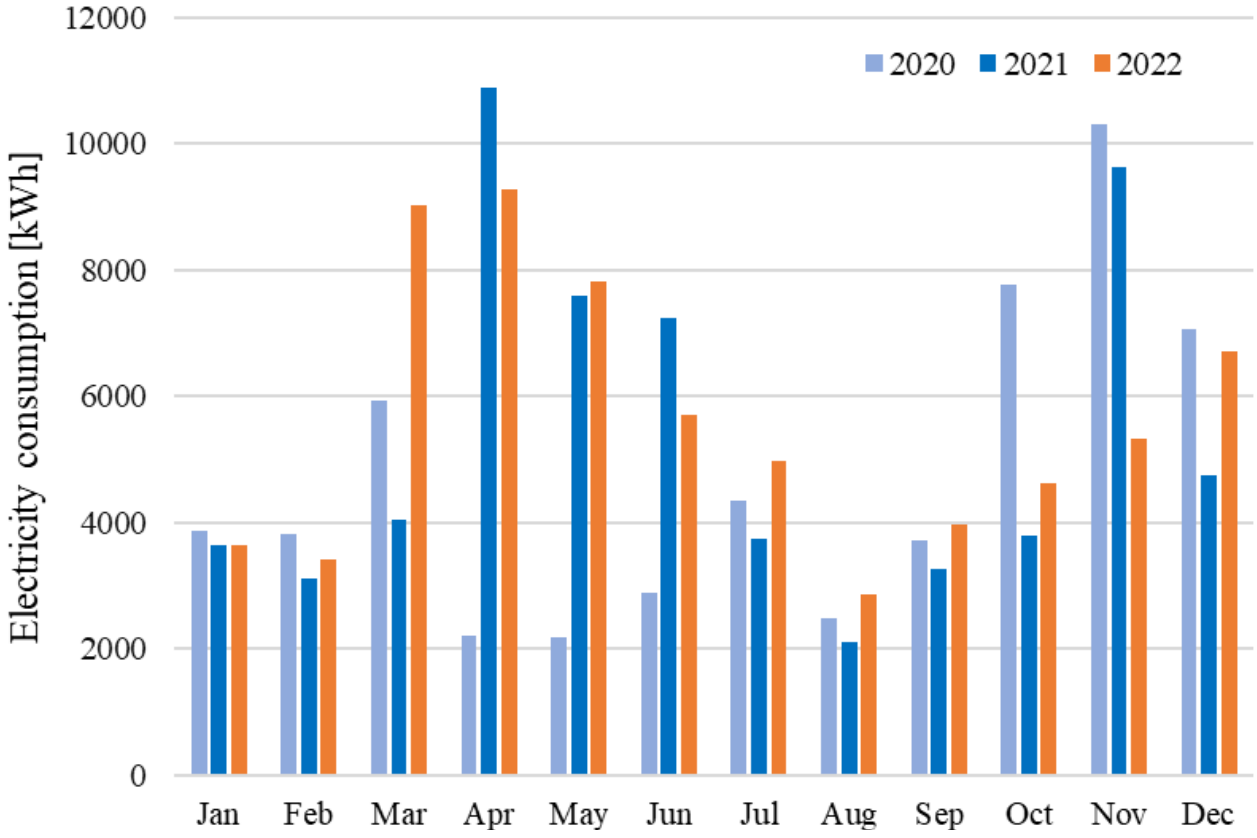


Fig. 1. Electricity consumption at RNC for each month in 2022 when compared with that in 2020 and 2021.

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