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Update on the performance of the Compact Compton Source ThomX

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The ThomX Compact Compton Source comprises an electron linac, an electron storage ring and a Fabry-Perot cavity. The electrons interact with laser photons at the intersection of the storage ring and the Fabry-Perot cavity. The facility started its commissioning in 2021 and the first X-rays were observed in June 2023. The operation energy was increased from 50 MeV to 70 MeV in 2024. We present some difficulties encountered during the commissioning phase, how they were addressed and the main performances achieved so far.

Footnotes

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