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User delivery experience of Hard X-ray Self-seeding at the European XFEL

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The Hard X-ray Self-seeding system at the European XFEL started to be available for user delivery in summer 2021. A large number of user requests of HXRSS showed the interest and the importance of longitudinally coherent X-ray FEL pulses with narrow bandwidth for different applications. In this paper, we will summarize user requirements, tuning procedures and performance we achieved during user delivery.

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Footnotes

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