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## **Metal Additive Manufacturing R&D for particle accelerators and storage rings at GSI**

*Thursday 5 June 2025 17:10 (20 minutes)*

The state-of-the-art additive manufacturing technology provides not only a new way for constructing metal components of particle accelerators and storage rings but also more freedom for designing them. GSI Helmholtz Center for Heavy Ion Research in Germany is worldwide one of the first teams working on 3D-printed resonant cavities for accelerators and 3D-printed cooling plates for storage rings. Some important R&D results including highlights of the ongoing metal-additive-manufacturing projects at GSI will be presented.

### **Footnotes**

### **Paper preparation format**

Word

### **Region represented**

Europe

### **Funding Agency**

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