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Investigation of rare earth extraction kinetics with interferometry

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Due to the high energy costs and chemical reagent consumption associated with rare earth extraction in conventional systems, the Magsolex project aims to find a new approach to this critical problem by using a magnetic field assisted solvent extraction method.

An interferometer is used to characterize and study the reactions underlying the processes for a single rare earth element, with the further goal of developing a full-color interferometer to study a ternary rare earth mixture.

Presenter: BIDMON, Alexander (HZDR)

Session Classification: Rare Earth Elements: sustainability challenges and real world implementation