

The Status of the Super-FRS In-flight Facility at FAIR

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The status and characteristics of the proposed next-generation in-flight facility at FAIR, the Super-FRS, will be presented. The Super-FRS is a large-acceptance superconducting fragment separator followed by different experimental branches including a combination with a new storage-cooler ring system. The Super-FRS is a two-stage achromatic degrader system to provide monoisotopic fragment beams of all isotopes up to uranium. Its Pre-Separator system holds many technical challenges which will be also discussed together with the experimental prospects.