Development of the Silicon Tracking System for the Compressed Baryonic Matter (CBM) Experiment at FAIR

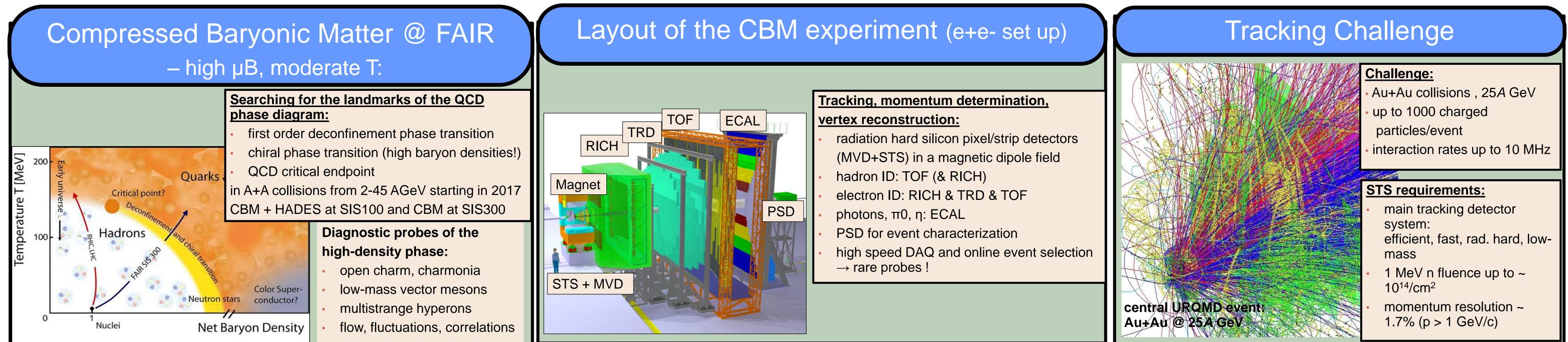


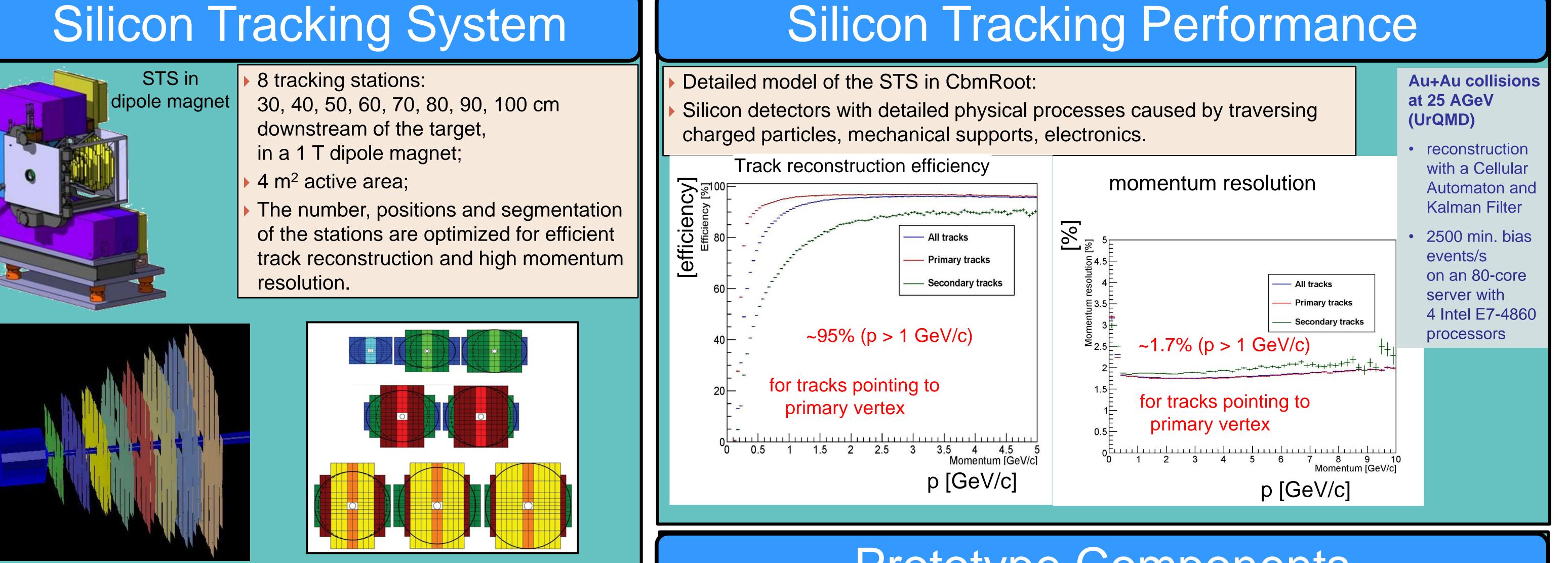
Jürgen Eschke and Johann Heuser for the CBM Collaboration

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http://www.fair-center.eu/en/fair-users/experiments/cbm.html



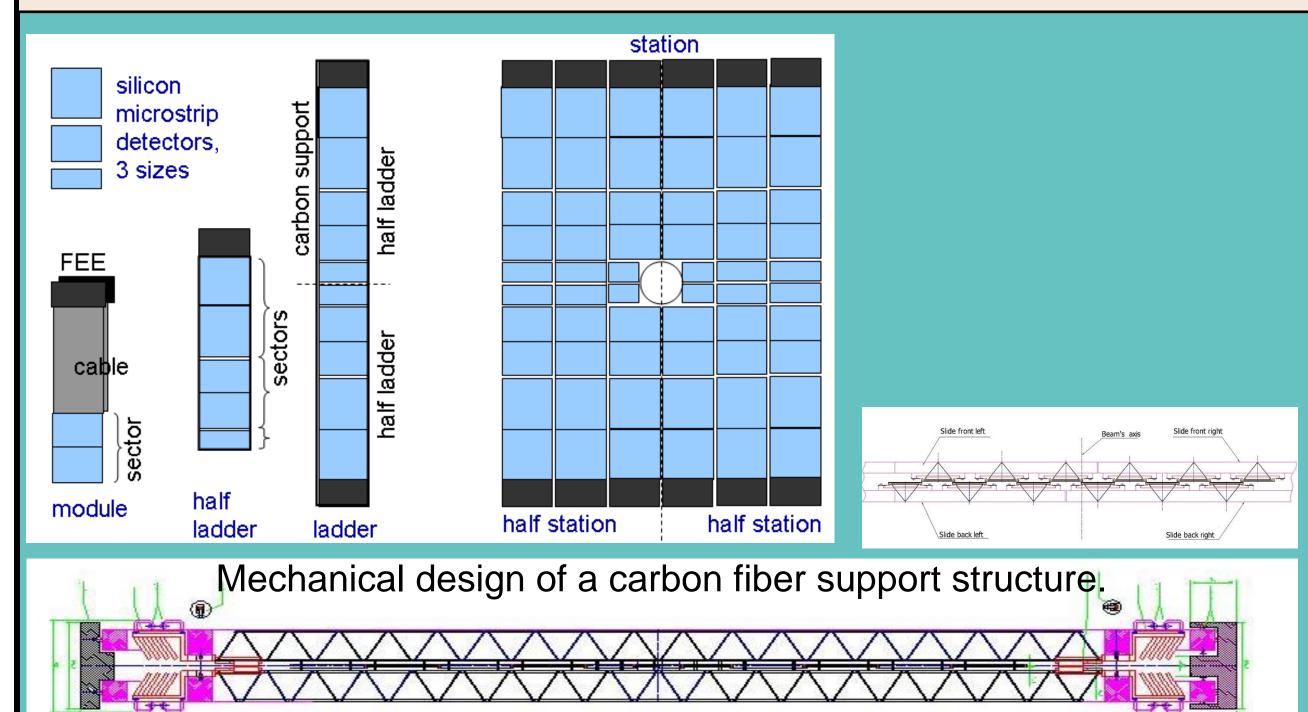




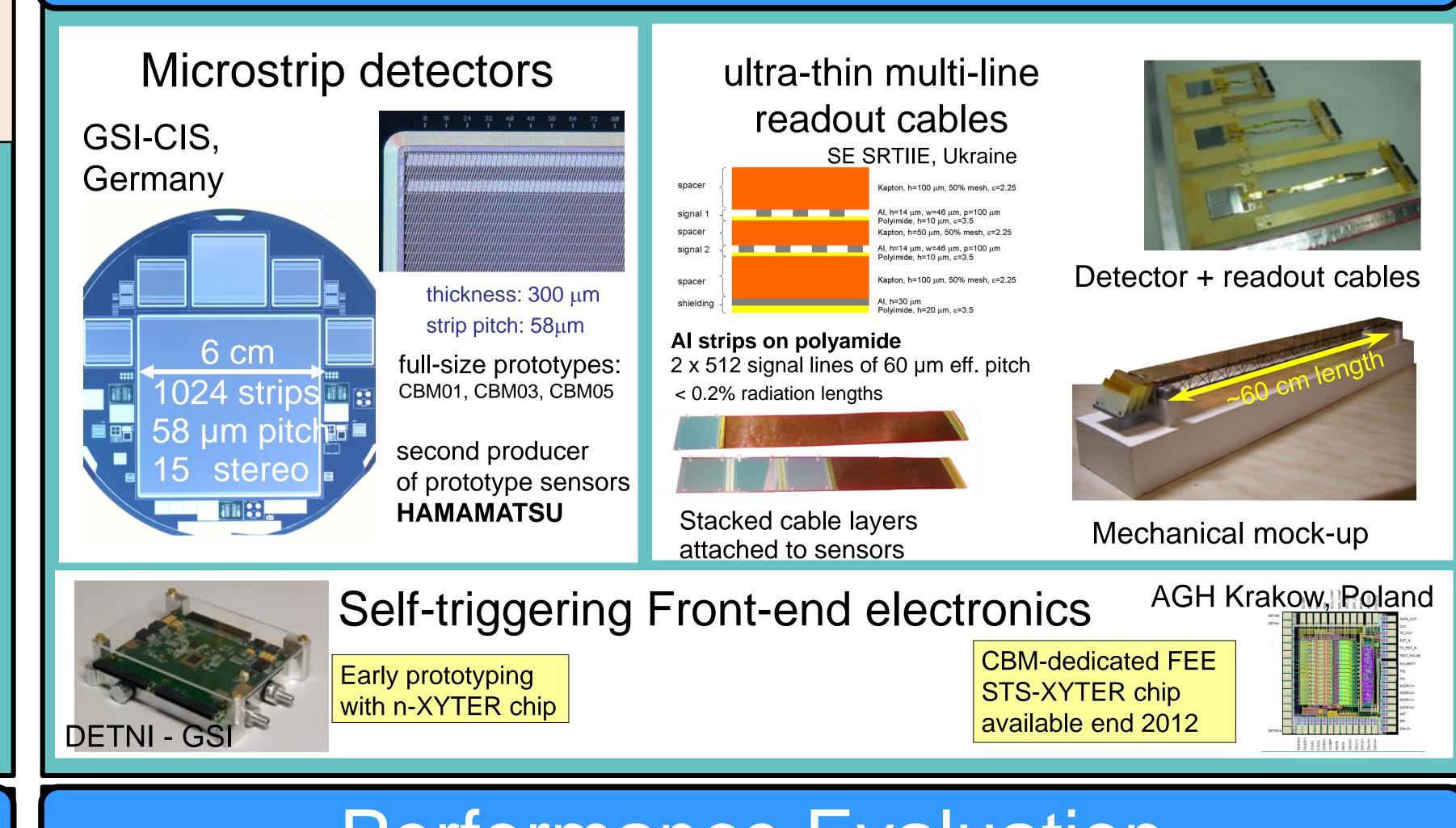
Realistic STS in CbmRoot

Layout of the 8 STS stations

The STS stations have a modular structure and are constructed from: 4 types of 300 µm thick double-sided silicon micro-strip sensors, arranged on 8 types of carbon-fiber supported ladder structures.



Prototype Components



System Integration Issues and Schedule

Performance Evaluation

