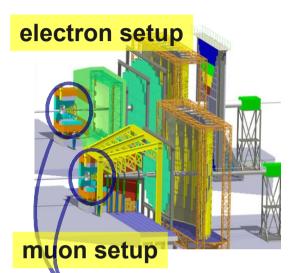
The Silicon Tracking System of the CBM experiment at FAIR

overview and development progress –

Iurii Sorokin^{a,b} for the CBM collaboration

^aGoethe University Frankfurt ^bKiev Institute for Nuclear Research

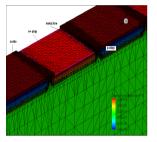


CBM – Future experiment at the FAIR facility (Darmstadt, Germany) Goal: study the phase diagram of strongly-interracting matter

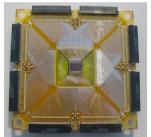
Tracking system:

- 8 planes
- double-sided Si strip detectors
- self-triggered electronics
- required time resolution ~ 5ns
- rad. hardness 10¹²-10¹³ n_{eq}

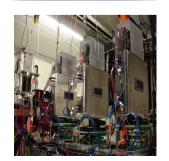
Progress:



Sensor simulations



Detector prototypes



Beam tests

... and many more!