



## Status of RUG-GSI/FAIR use cases for ESCAPE and integration challenges with WP2

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On behalf of the RUG-FAIR/GSI collaboration for ESCAPE

WP5-WP2 Integration Workshop, 6 April 2021



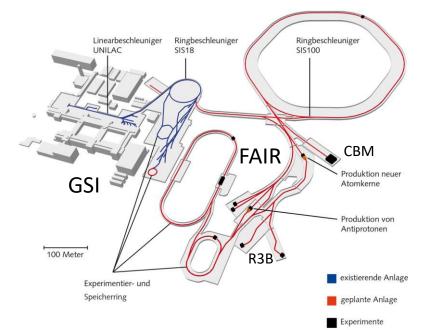


## **Outlines**

#### Introduction to R3B & CBM

Status of the use cases

IDAP-DIOS Integration challenges

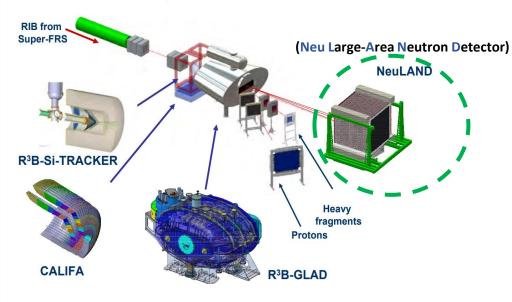


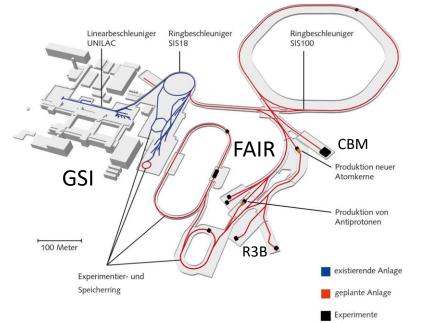




# $R^{3}B$

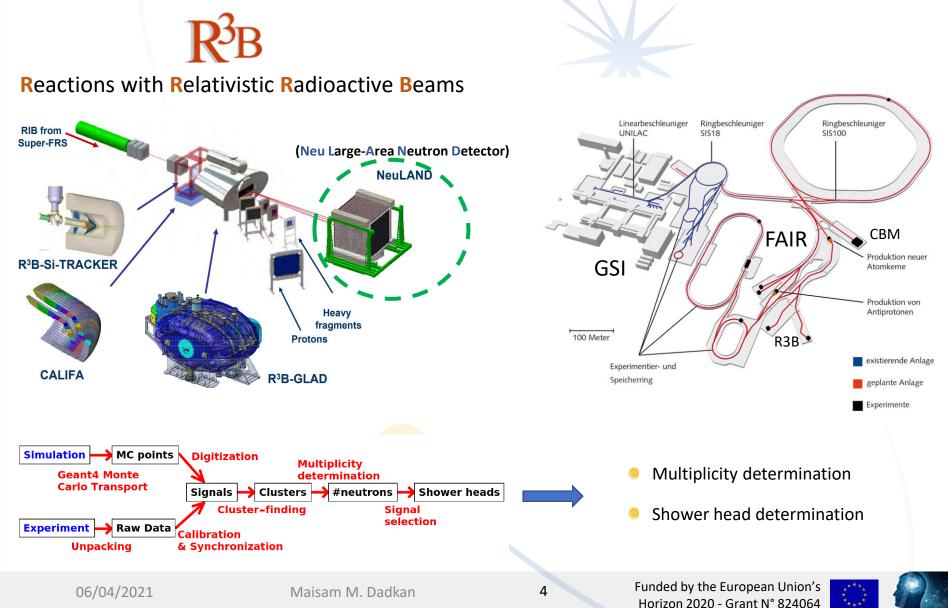
#### Reactions with Relativistic Radioactive Beams



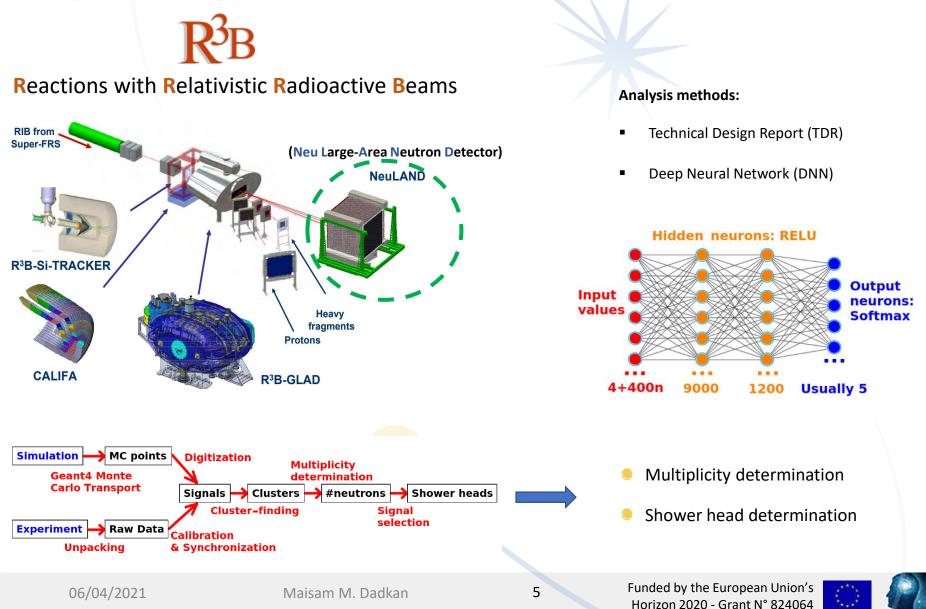








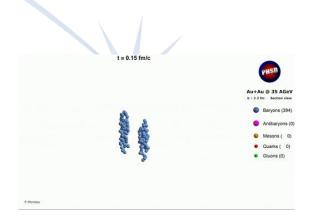


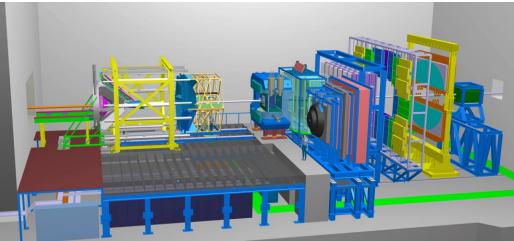






#### The Compressed Baryonic Matter





- High baryon densities using highenergy nucleus-nucleus collisions
- Reaction rates up to 10 MHz
- Data rates up to 1 TB per second
- CBMRoot for data analysis



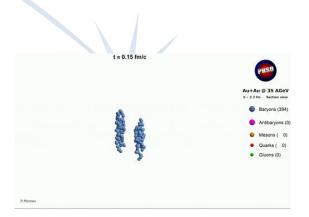


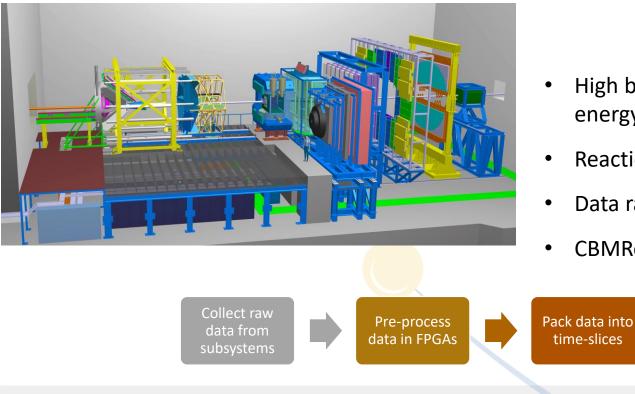
06/04/2021

### Introduction



#### The Compressed Baryonic Matter



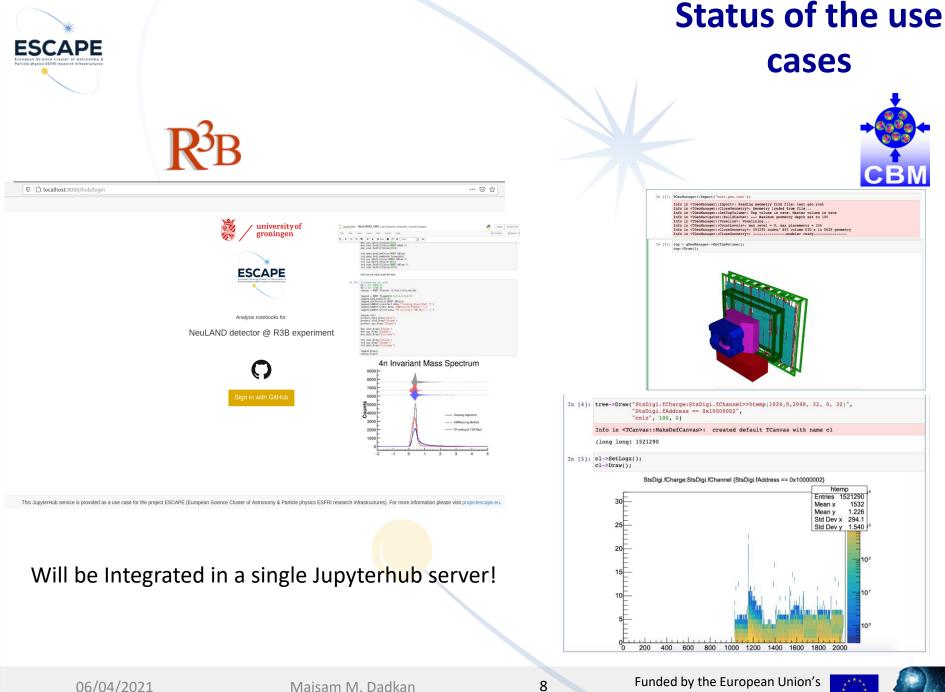


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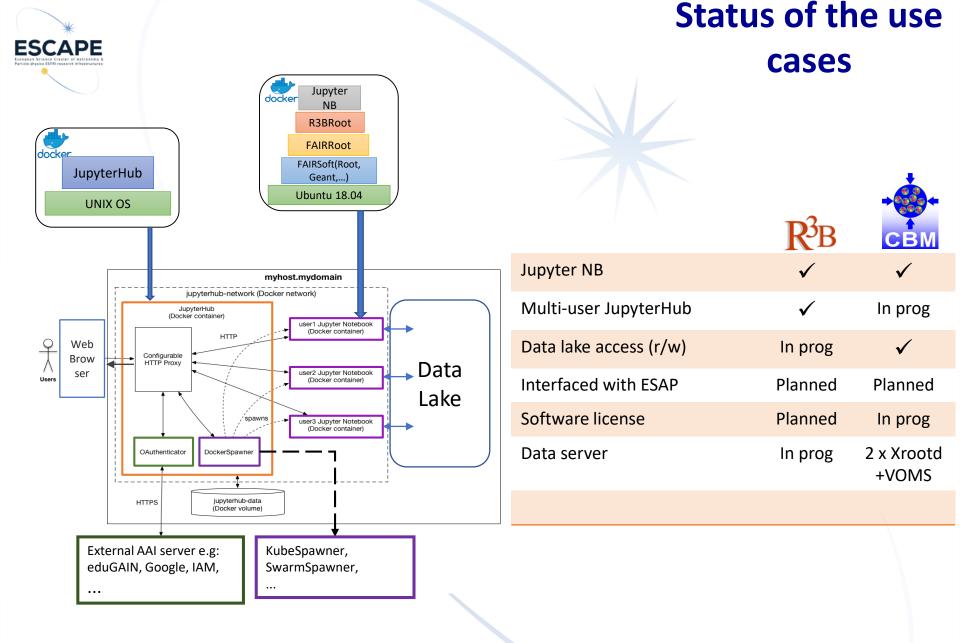






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#### IDAP-DIOS integration challenges

Rucio related issues:

- Iots of manual work
- Server side issues
- Problems with gfal
- Errors with naming schemes
- Connection issues when uploading/downloading files
- How and where to integrate Rucio in our software stack
- Lack of a comprehensive manual for RUCIO configuration
- > AuthN in Rucio needs to be managed by the end user (even in the

JupyterLab extension)

