



Contribution ID: 60

Type: **Presentation**

## Direct Reactions at $R^3B$ - Cave studies @ GSI and FAIR

*Wednesday, 2 July 2014 12:15 (25 minutes)*

The  $R^3B$  reaction setup provides a high-class versatile and flexible tool for all kind of reaction studies. The main features of the setup will be brought in conjunction with the related physics cases. The related technical challenges in detector and accelerator science will be addressed. Cross links to other proposed setups at the future facility will be outlined and the presumed schedule for its realization will be discussed.

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**Session Classification:** Session 6

**Track Classification:** Prefer Presentation