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## Future prospects for heavy ion physics with LHCb

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After the successful participation of LHCb in the 2013 lead-proton run, the experiment is planning to further expand its scope toward heavy ion physics. Simulation studies show that up to semi-central lead-lead collisions can be analyzed. Furthermore, the SMOG system for the injection of small amounts of gas into the LHCb collision area, which was developed for luminosity calibration by beam-gas imaging, allows fixed target physics with proton and lead beams. The physics reach of the experiment as well as first results from exploratory studies with fixed target interactions will be discussed.

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