

Hard Probes 2018: International Conference on Hard & Electromagnetic  
Probes of High-Energy Nuclear Collisions

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Type: 3a) Heavy-flavours and quarkonia (TALK)

## Heavy-flavour-production studies in a new energy and rapidity domain with the nuclear LHC beams in the fixed-target mode

*Thursday 4 October 2018 12:05 (20 minutes)*

The use of the lead LHC beam in the fixed-target mode allows one to study heavy-flavour production in a new energy domain, half way between SPS and RHIC. We will report on the opportunities for quarkonium and open charm/beauty production in PbA collisions including the prospects to study the relative suppression of  $\Upsilon(nS)$  and new charmonium observables such as the  $\chi_c$  and associated production. Both set-up using the ALICE and LHCb detectors will be discussed.

### Summary

**Presenter:** URAS, Antonio (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Parallel 3