

7th LNF Mini-workshop series: JLab at 12 GeV: New opportunities in  
hadronic physics

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## Exploring the multi-dimensional structure of the proton

*Tuesday, 18 December 2012 15:00 (30 minutes)*

The JLab 12 GeV upgrade will achieve unprecedented precision in the study of the partonic structure of the nucleon. This will enable us to derive multi-dimensional images of parton distributions in coordinate and momentum space, including their dependence on spin. I will present an overview of this field of research, focusing on some selected examples and illustrating some possible outcomes.

**Presenter:** Dr BACCHETTA, Alessandro (Pavia Univ. & INFN)

**Session Classification:** JLab at 12 GeV: New opportunities in hadronic physics