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Measurement of pion induced Drell-Yan at AMBER experiment

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AMBER is a newly proposed experiment at CERN with the aim of contributing in the field of QCD. Among several ideas, the measurement of the pion induced Drell-Yan with the two pion charges is one of the proposed measurements. The combination of the two pion charges together with a carbon target gives access to observables sensitive to the separation between sea and valence in the pion. In addition, with the inclusion of a W target, studies on the nuclear effects are also possible with the particularity of studying their flavour dependence. The scientific proposal for this measurement is currently being evaluated by SPS Committee and should be soon presented to the CERN Council. In a later stage, the plan is to measure the kaon induced Drell-Yan. A precise knowledge of the pion and kaon structures, together with the proton, lead us to the possibility of better understanding the origin of the hadrons masses. In this talk the proposed measurement will be introduced and some projections will be showed.

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