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Physics opportunities with oxygen collisions in CMS

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Oxygen on oxygen, proton oxygen and photon oxygen collisions at the LHC offer rich physics opportunities both in themselves and as compliments to the current lead based heavy ion program. The extensive rapidity coverage, excellent event reconstruction, and flexible trigger system of CMS make it an ideal detector for exploiting such opportunities. This talk will review potential oxygen measurements with CMS and describe some of the challenges in making such measurements a reality.

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Session Classification: Experimental opportunities with OO and pO