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FAZIA: a new very performant array for heavy ion reactions at Fermi energies

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The FAZIA detector is a new fully digital array based on Silicon(300um)+Silicon(500um)+CsI(Tl)(10cm) telescopes. It is design to study heavy ions collisions in the Fermi energies range using a fully integrated digital electronics. Some details about the construction of this array and about the incredible performance in terms of isotopic separation will be given. Finally, some preliminary results about the isospin physics which can be studied with such powerful tool will be shown.

Author: Mr BARLINI, Sandro (University and INFN of Florence)

Presenter: Mr BARLINI, Sandro (University and INFN of Florence)

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