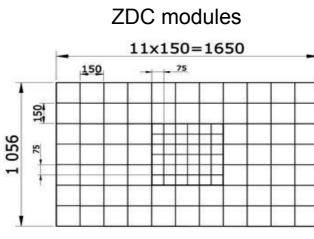
Zero Degree Calorimeter (ZDC) at BM@N



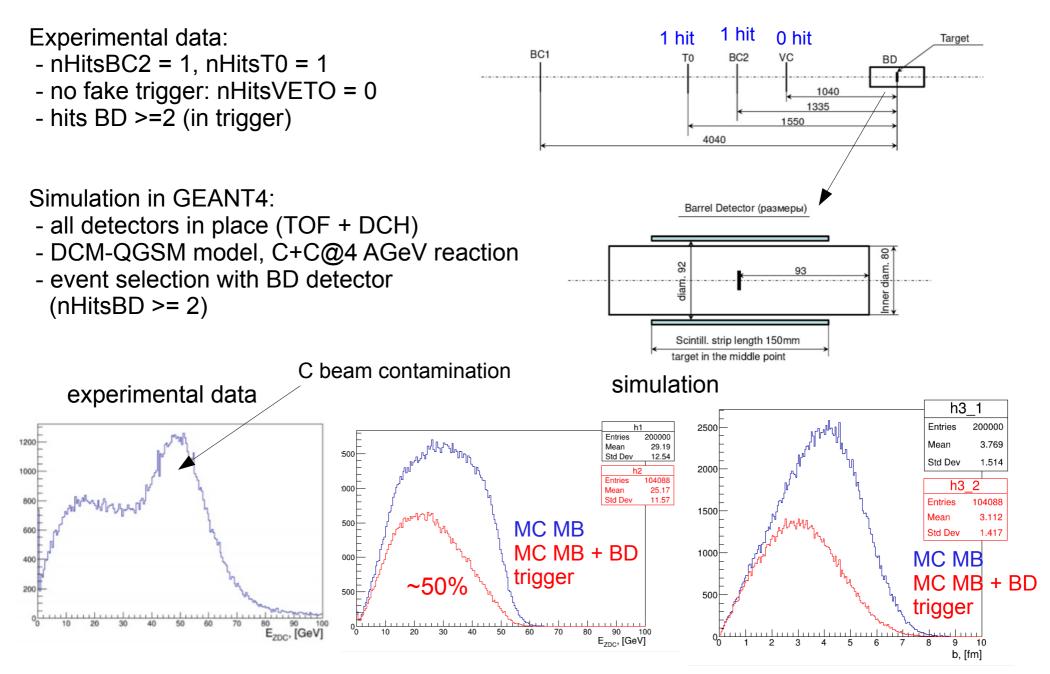


Central part with 36 modules 7.5 x 7.5cm² Outer part with 68 modules 15 x 15cm²

ZDC module structure

- ZDC modules based on old technologies of light collection by WLS plate and does not have a longitudinal segmentation.
- calibration: on cosmics only

64 layers of 5mm scint. + 10mm Pb

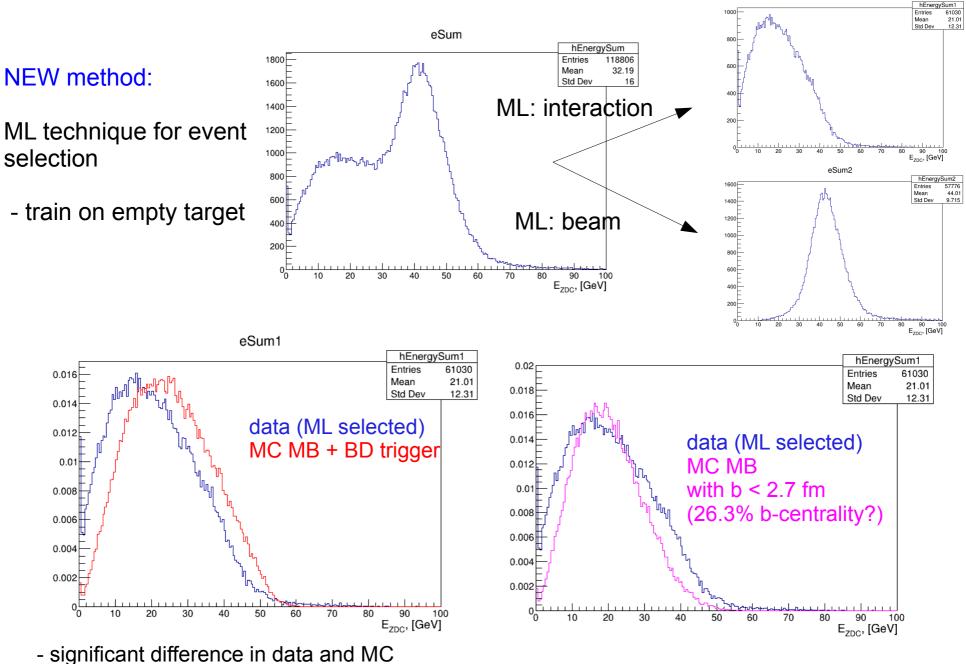


Exp. (multiplicity) trigger BD>=2 affects MB and selects ~ 50% most central events

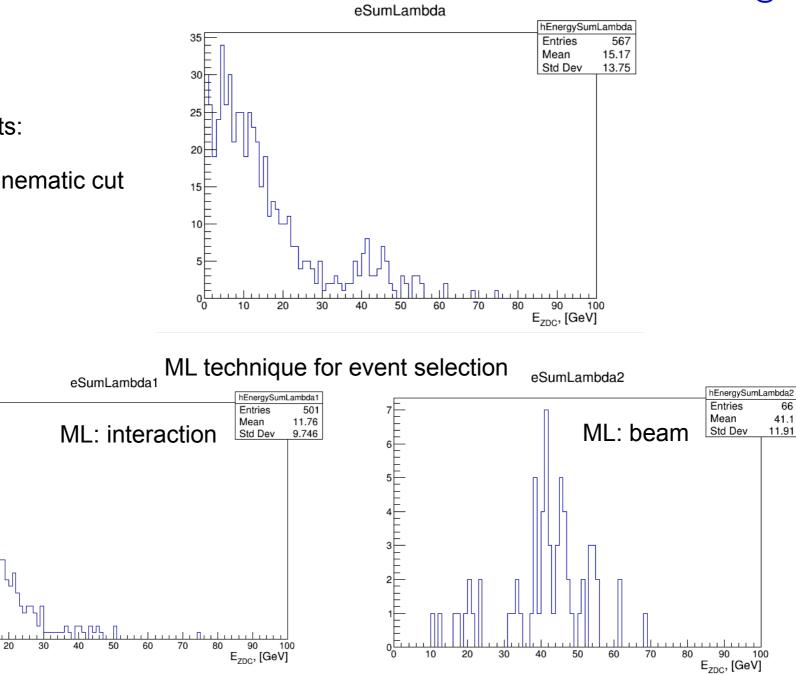
Machine Learning technique

C+C @ 4AGeV

eSum1



C+C @ 4AGeV



lambda events:

15

10

5

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.

10

mass cut + kinematic cut

4

66

41.1

C+C @ 4AGeV

