

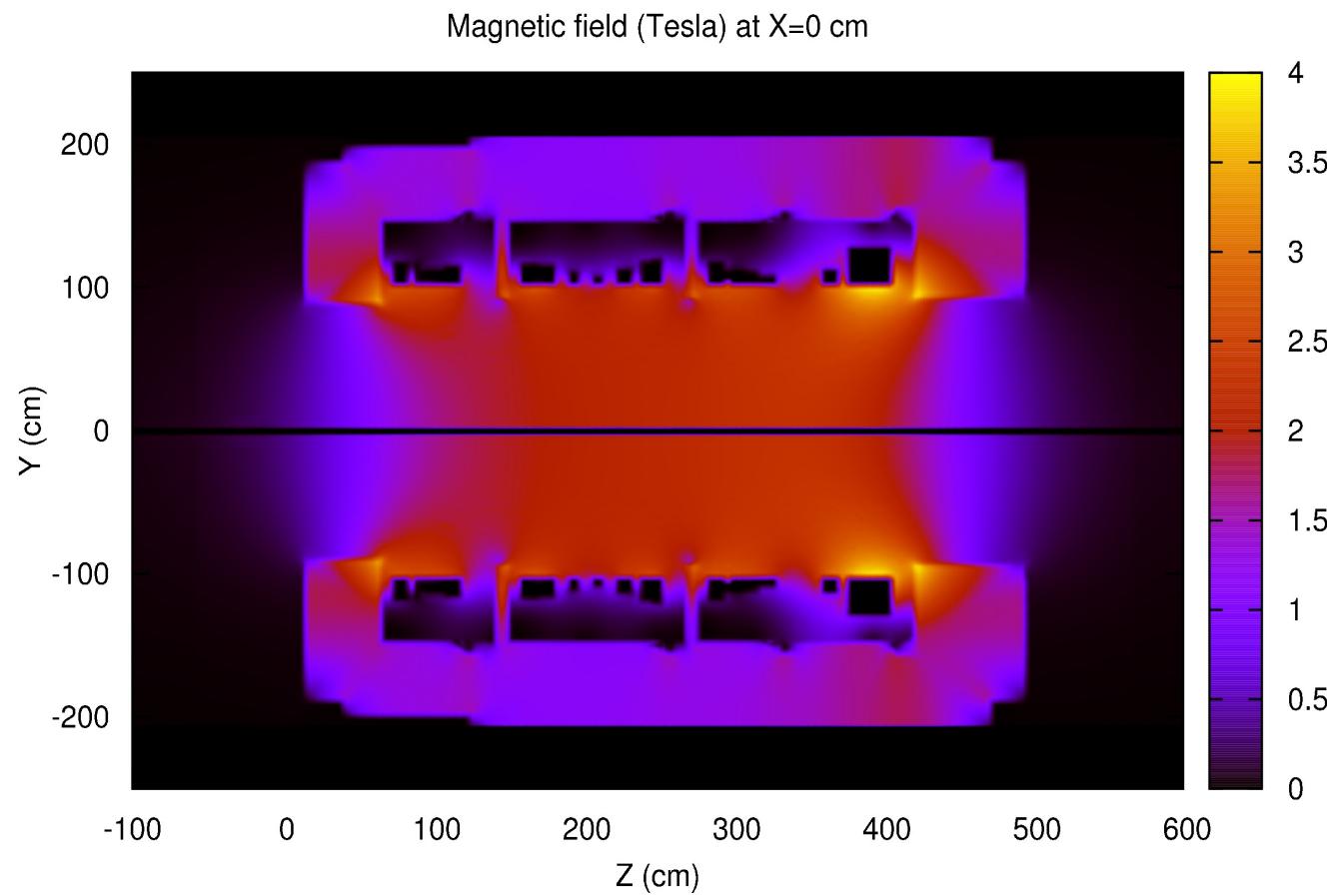
BCAL Dynamic Range from the Simulation with FLUKA

Irina Semenova, Andrei Semenov

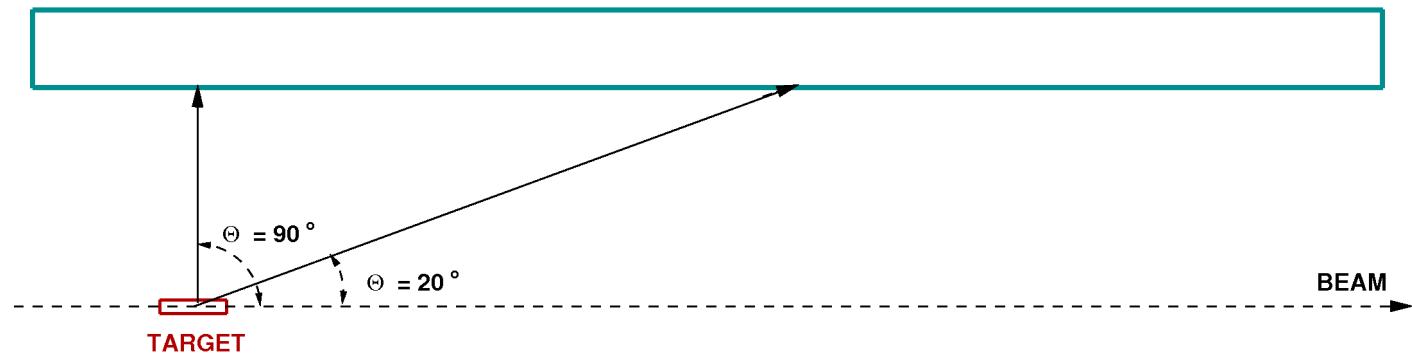
U. of Regina

Field Map ANSYS 20081209-1_150.dat

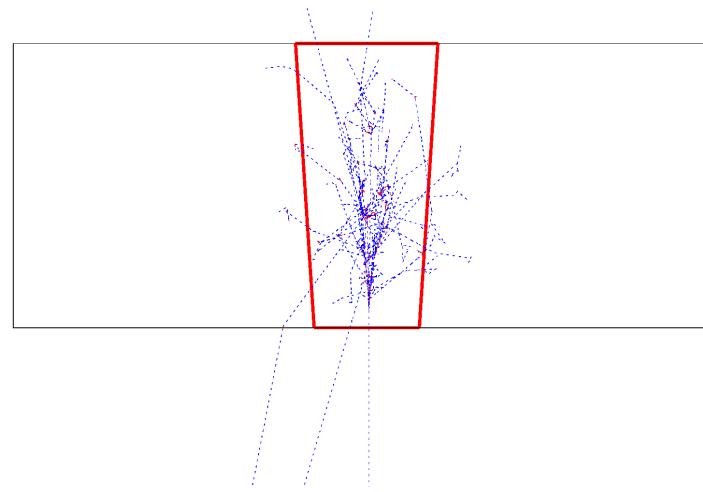
Linear interpolation between grid points



Geometry: Side View

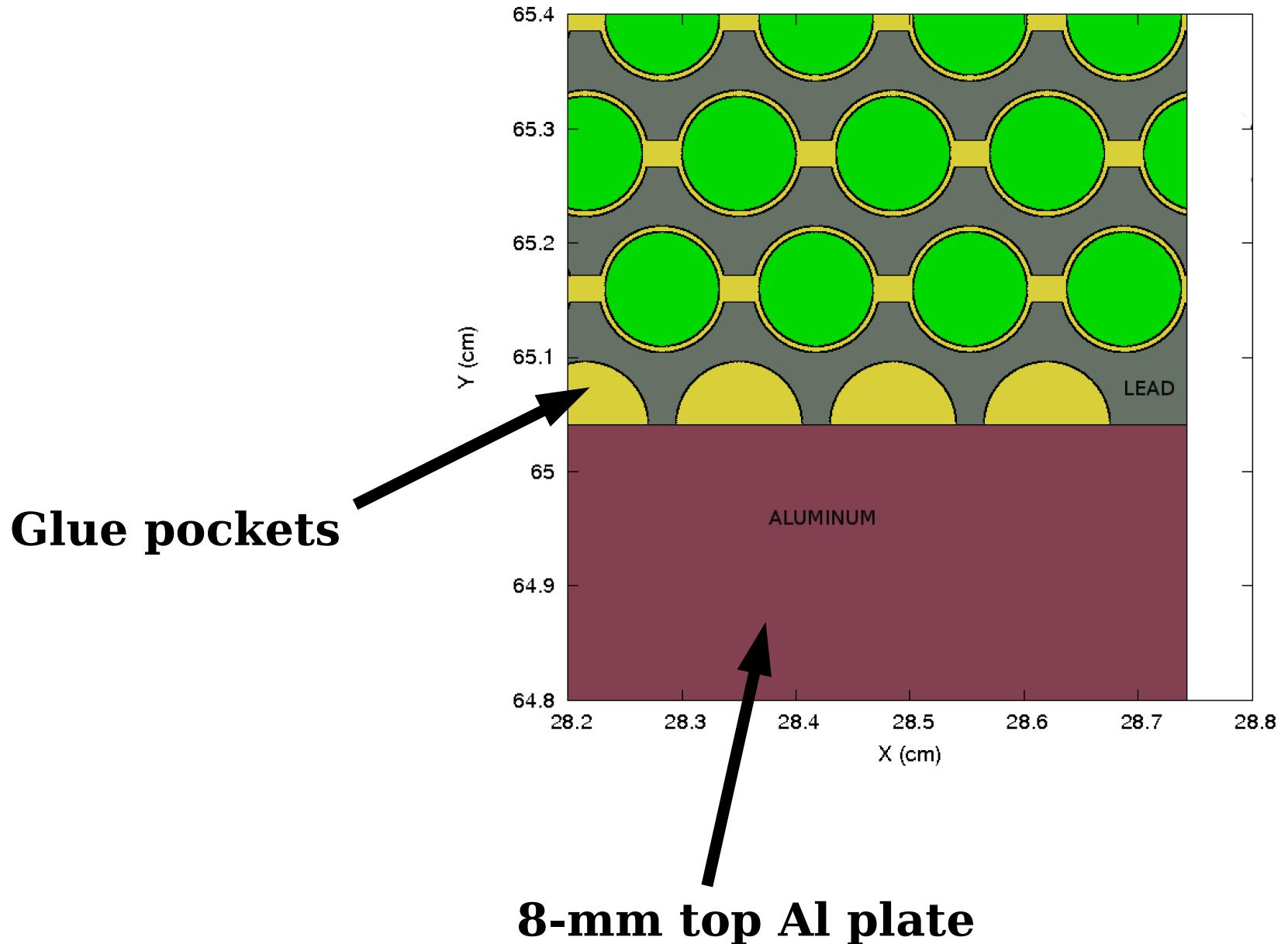


Geometry: Front View

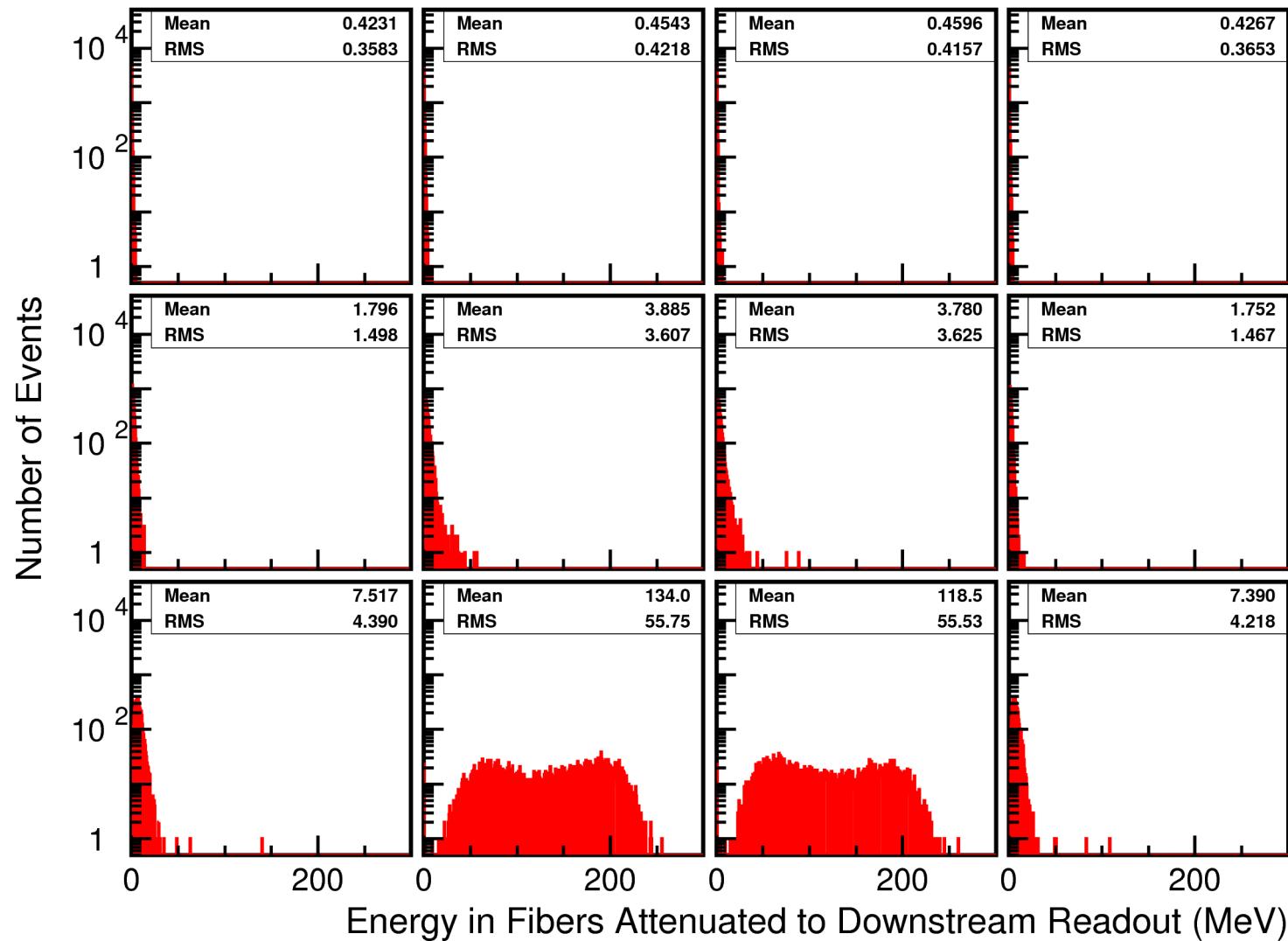


Attenuation with 2-exponent function (530 & 91 cm)

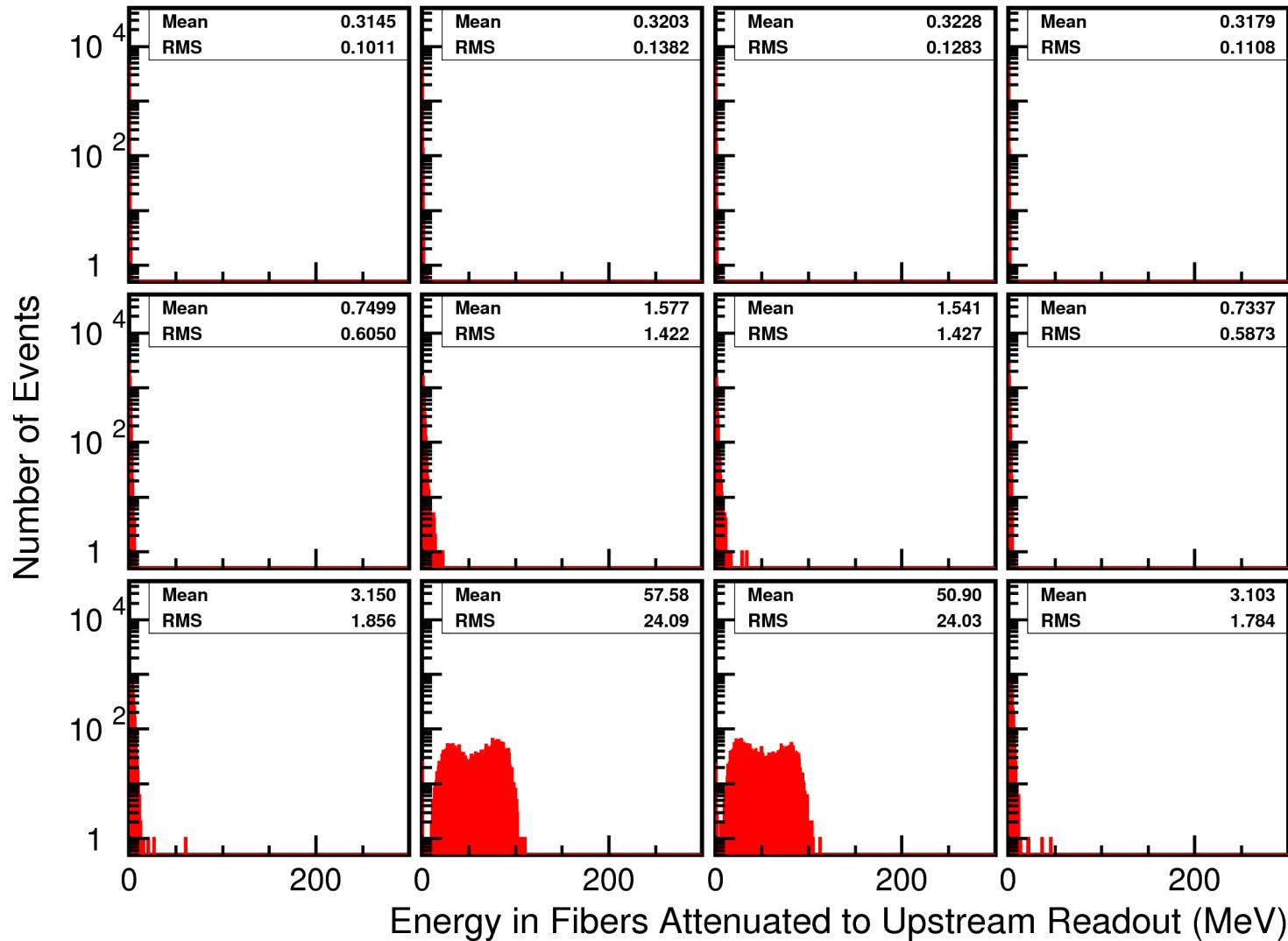
Realistic BCAL Geometry



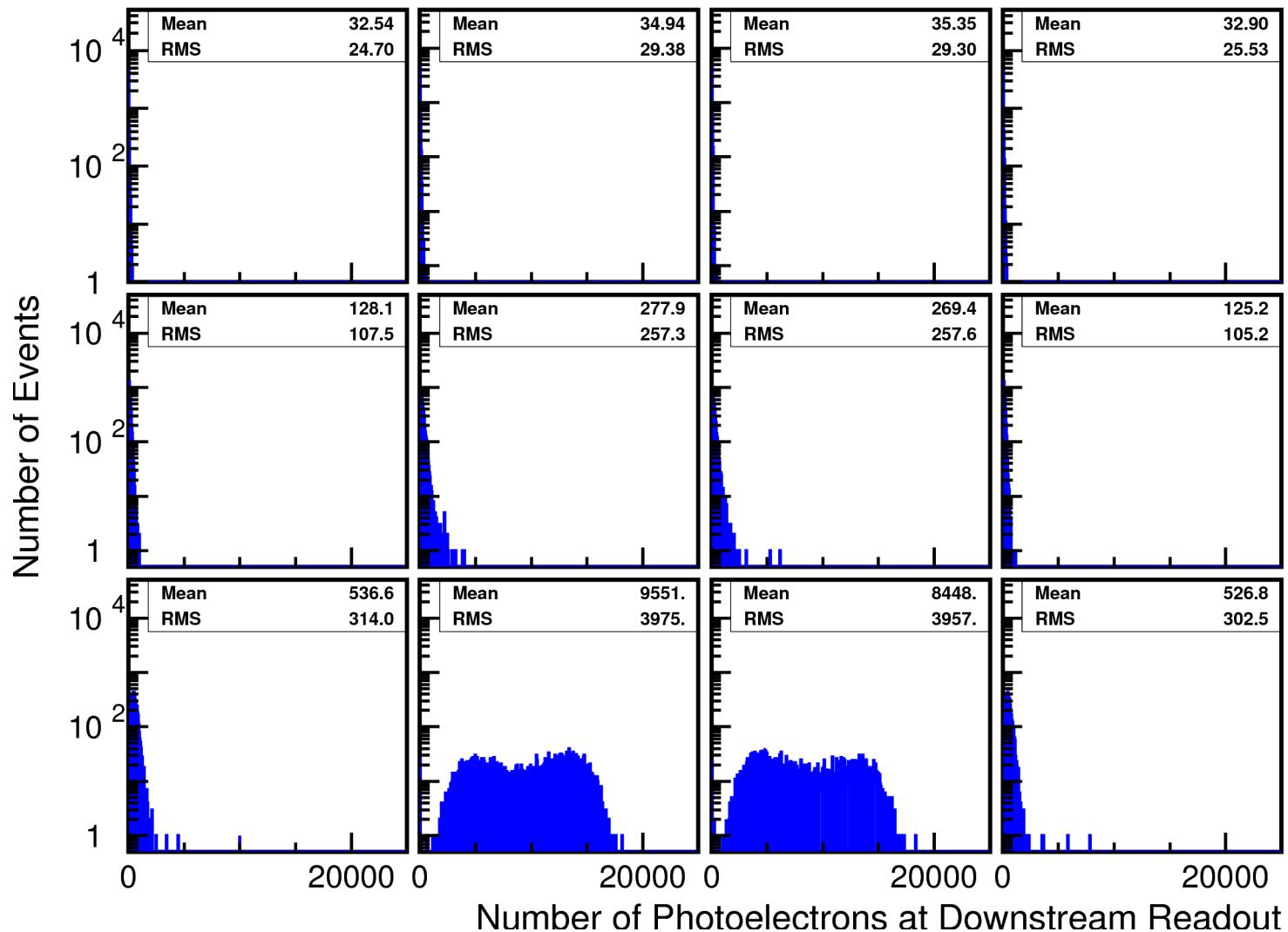
BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 12$ deg.; gap



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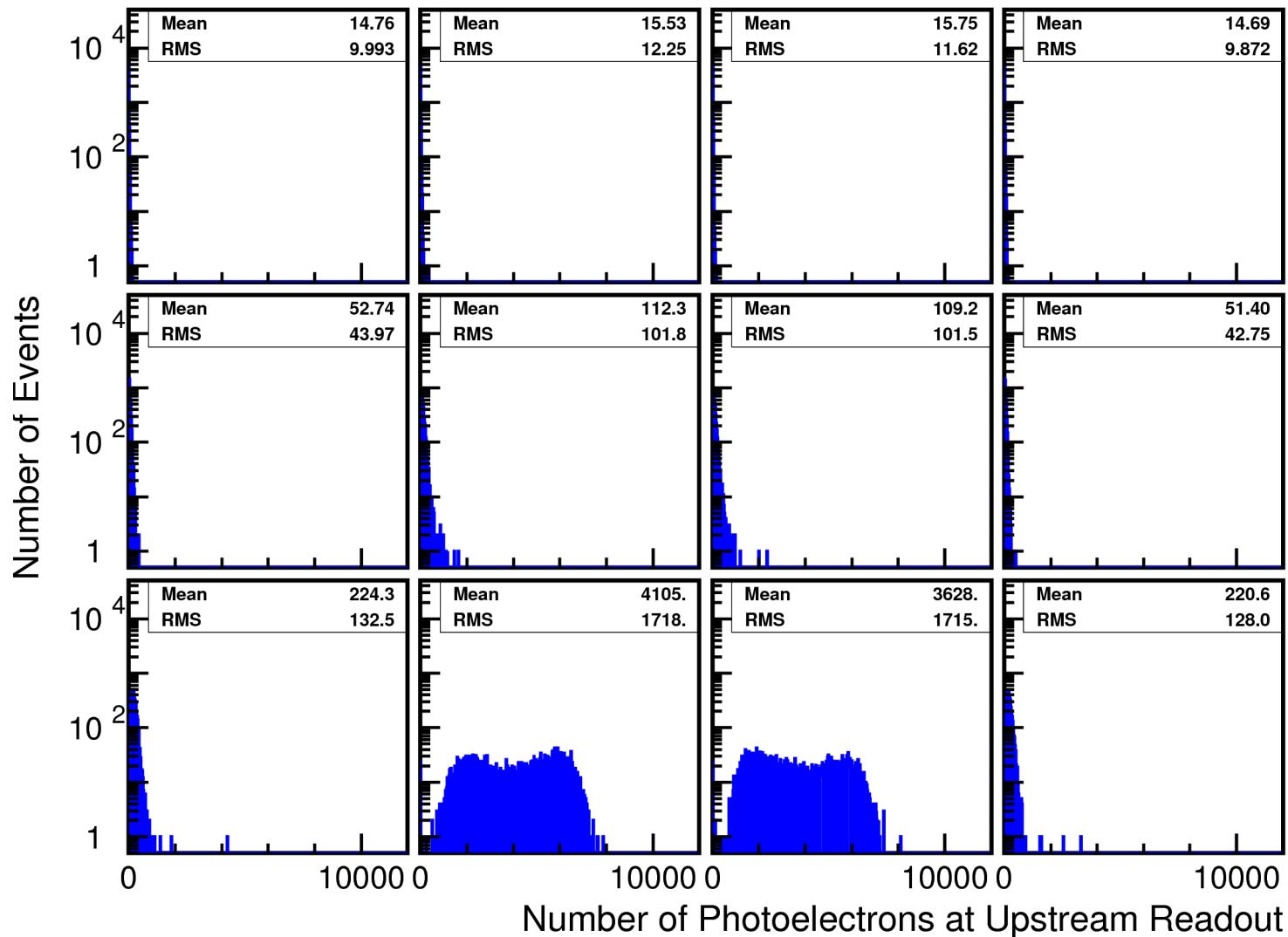


BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 12$ deg.; gap

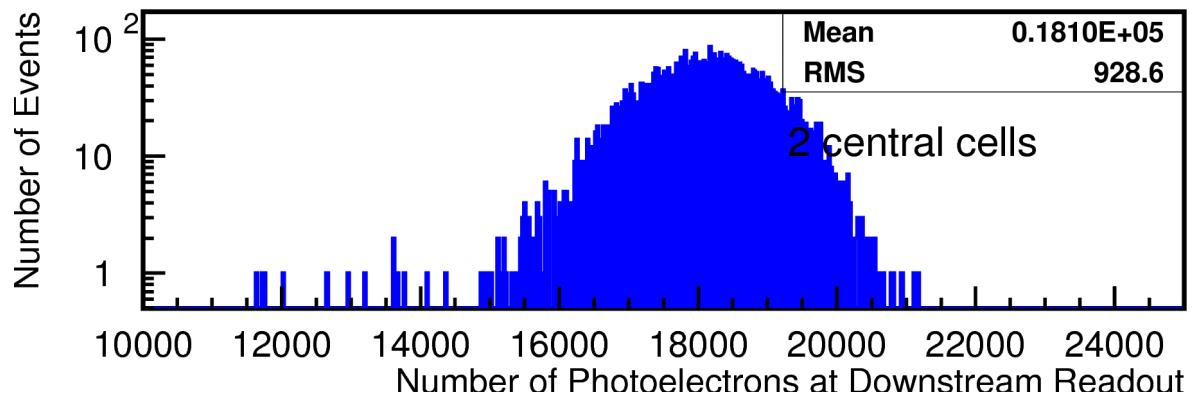
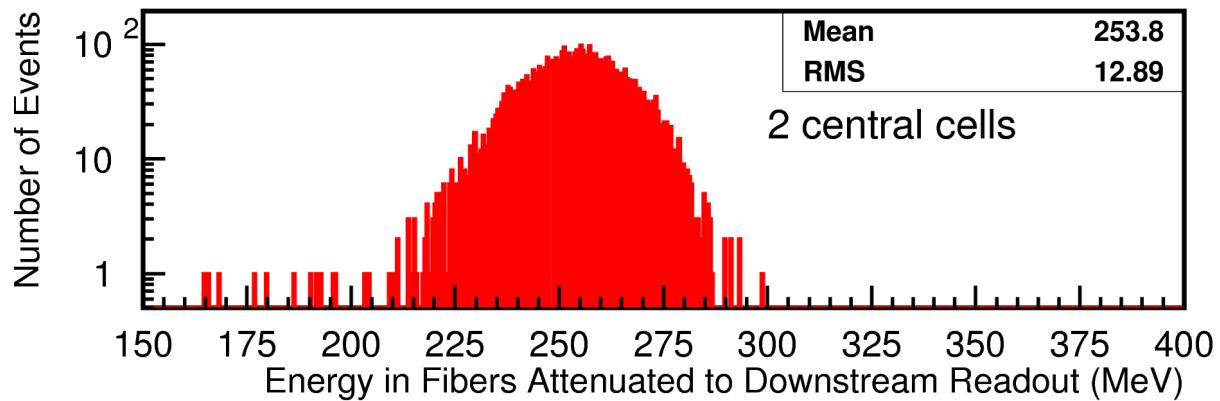
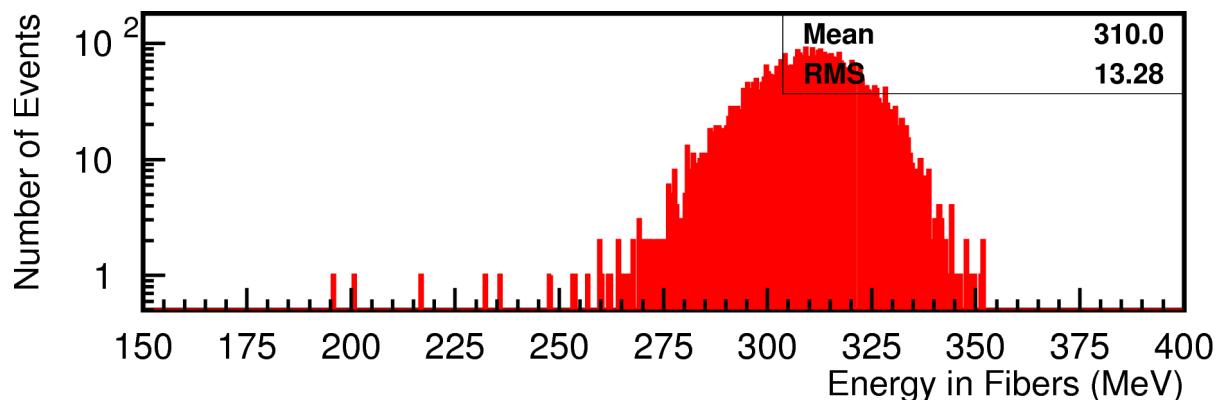


MeV-to-Npe conversion according to Shipment 3

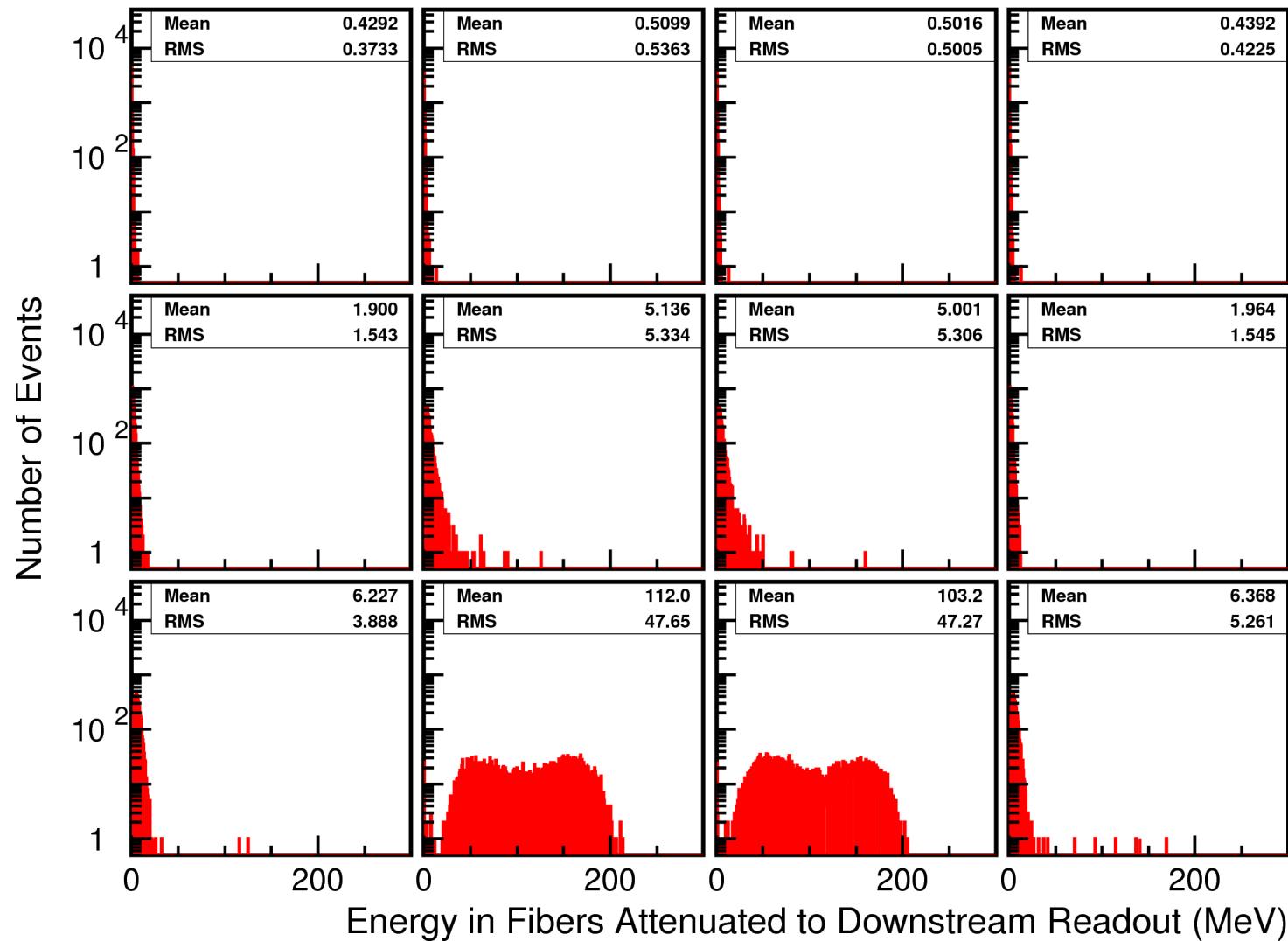
BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 12$ deg.; gap



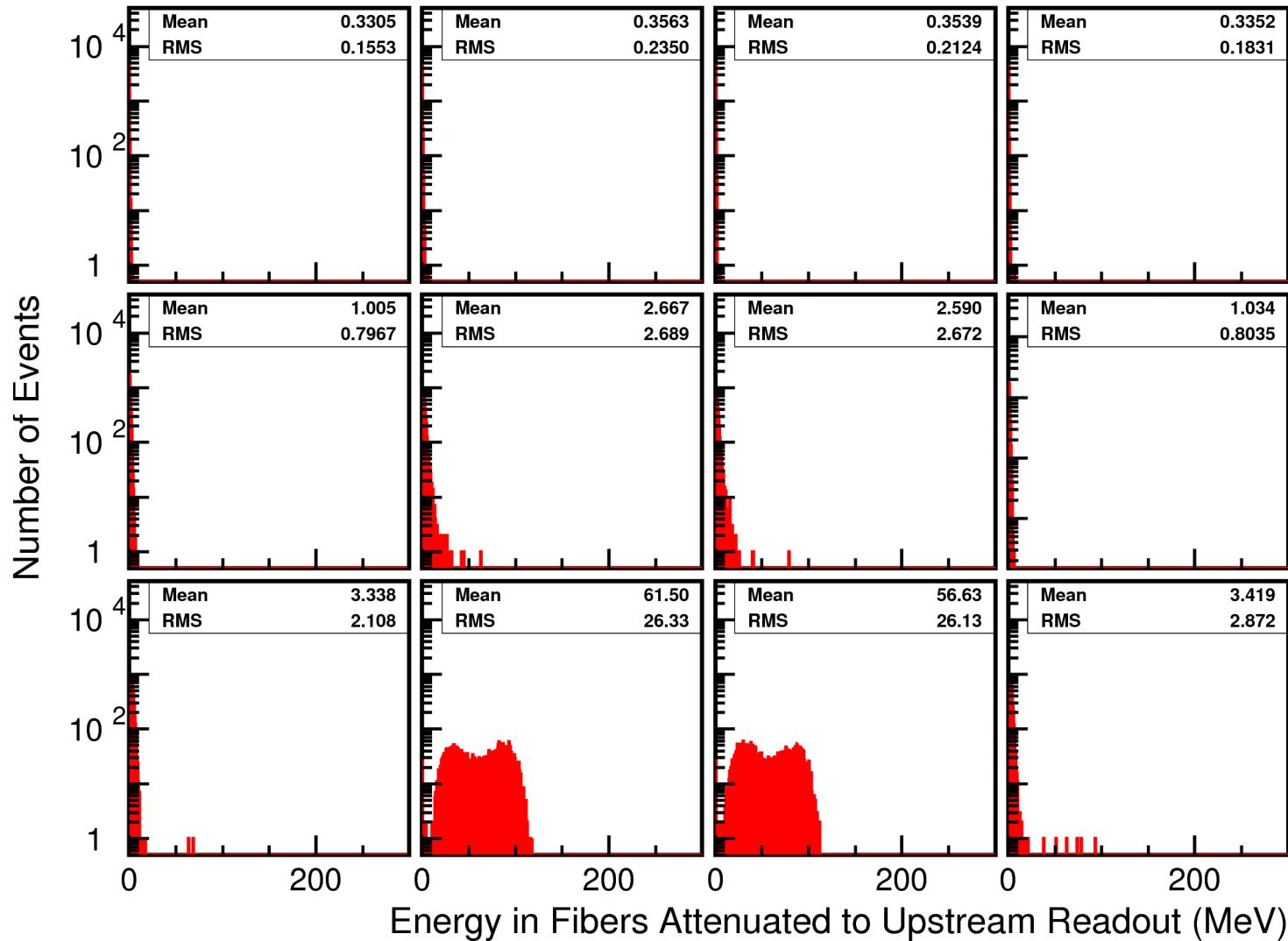
BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 12$ deg.; gap



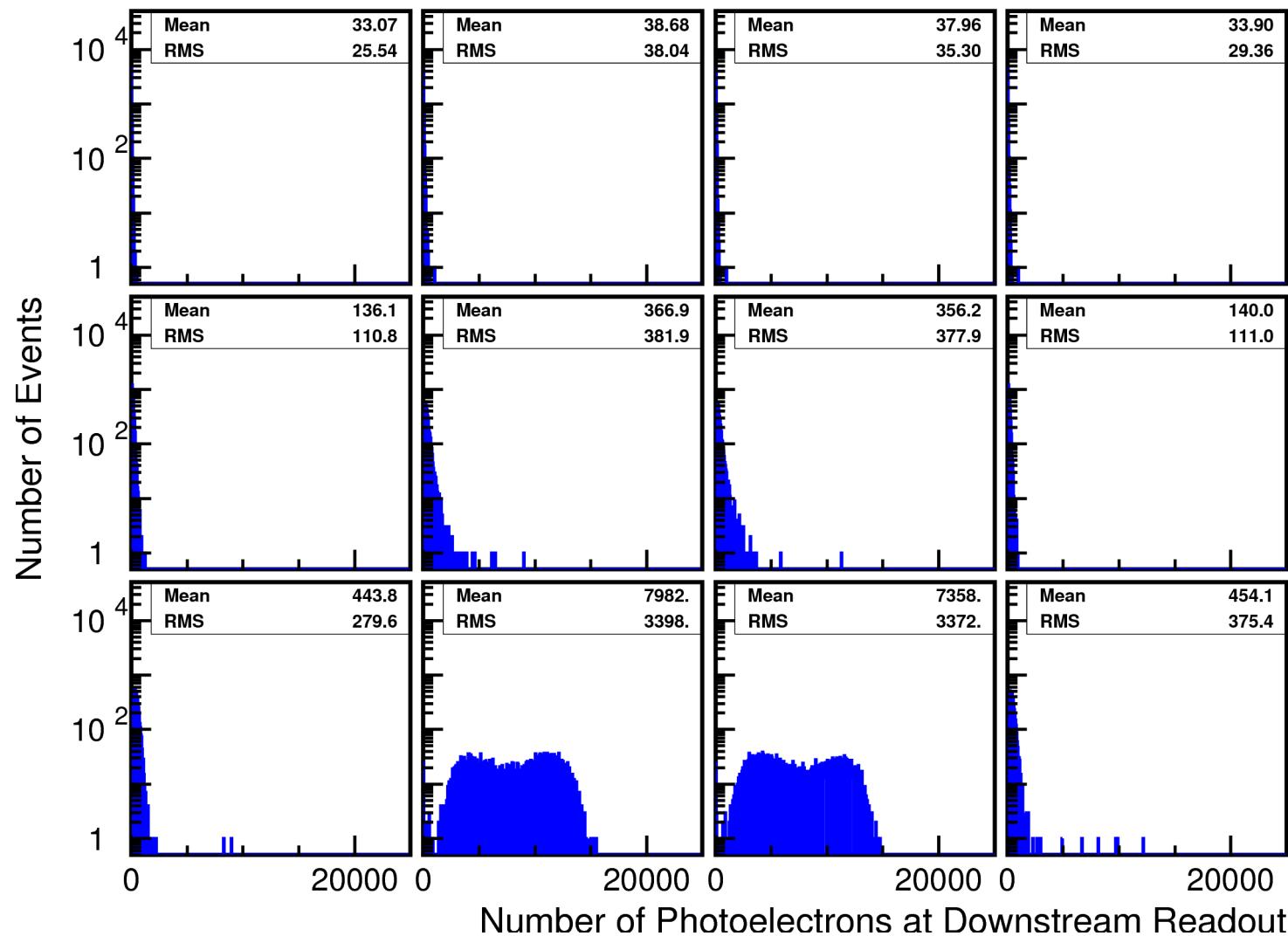
BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 14$ deg.; gap



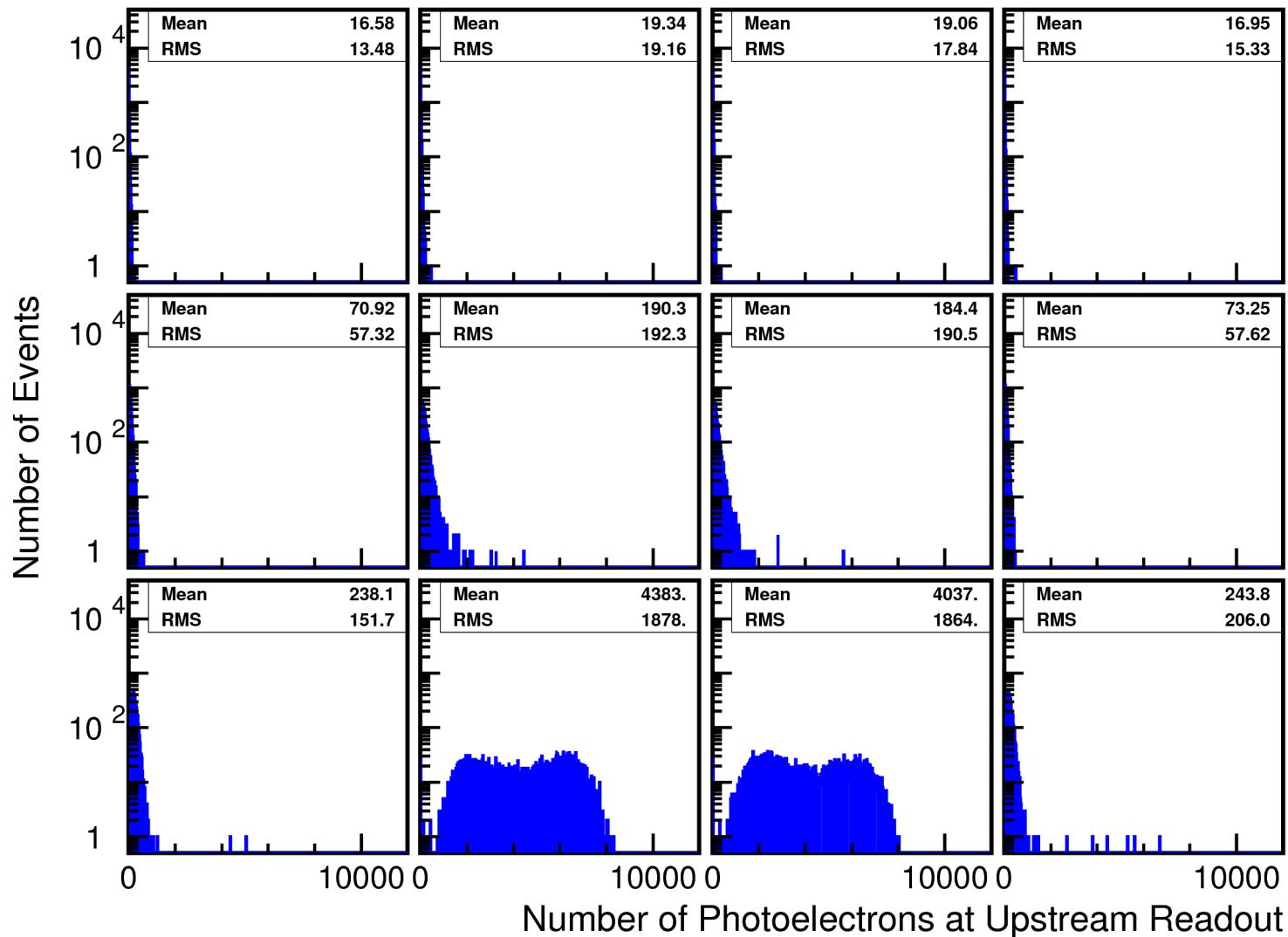
BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 14$ deg.; gap



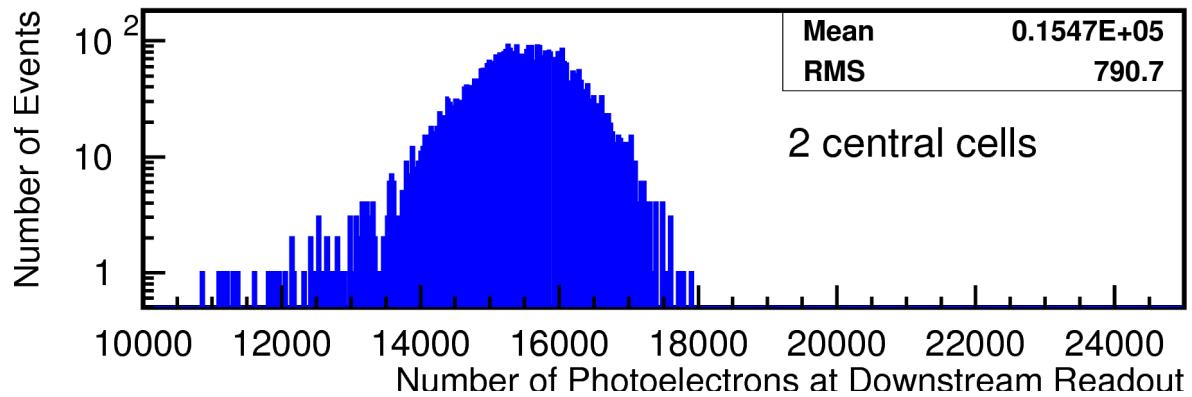
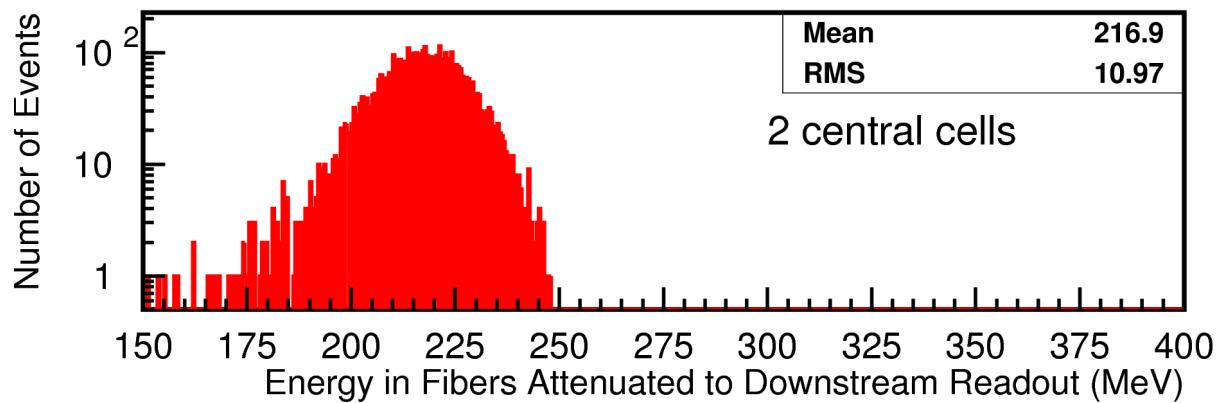
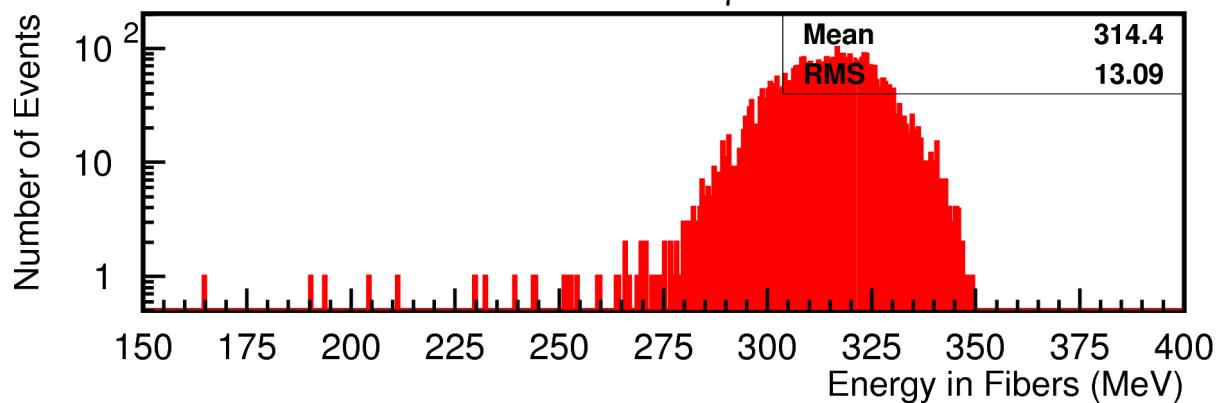
BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 14$ deg.; gap



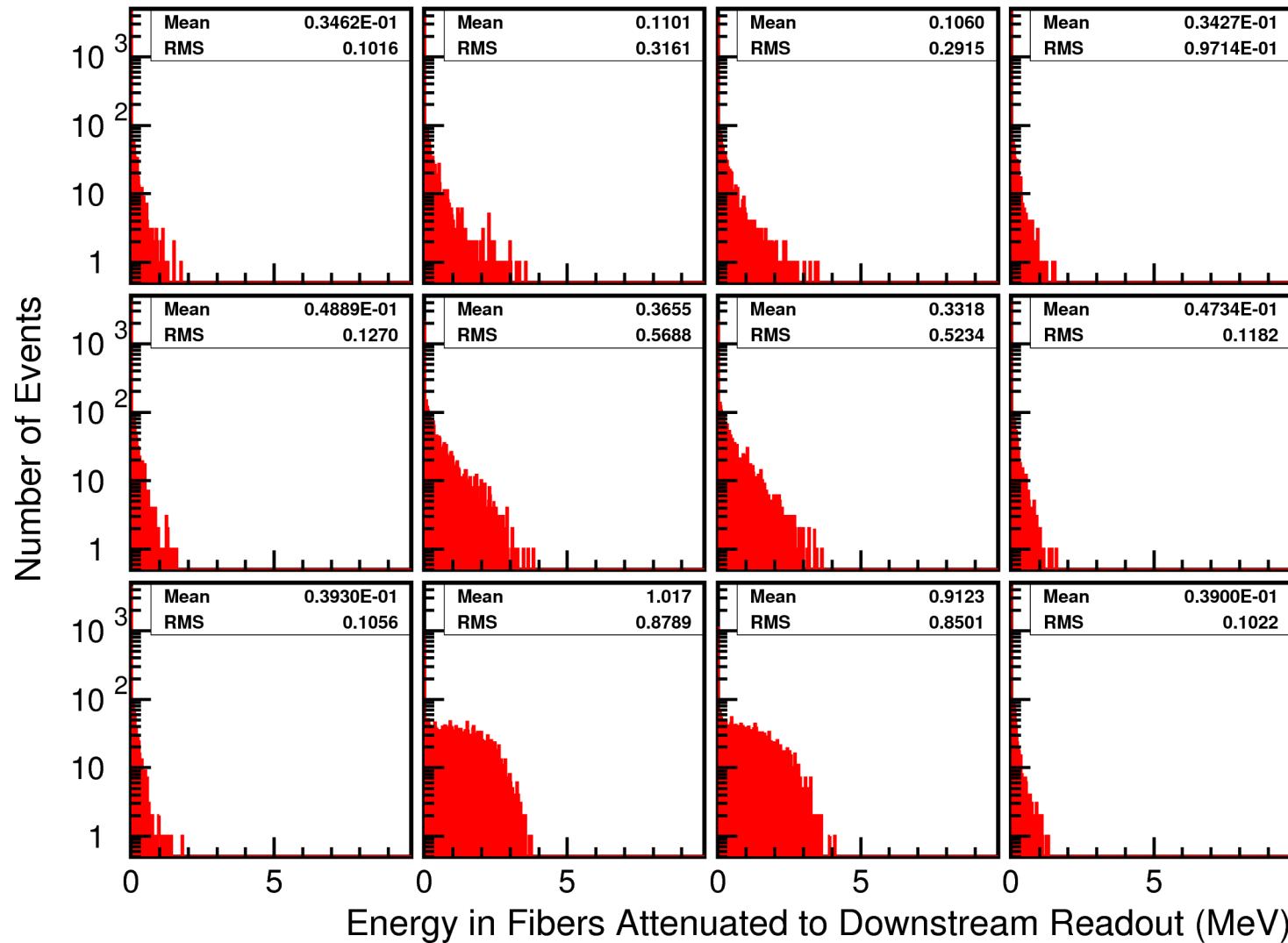
BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 14$ deg.; gap



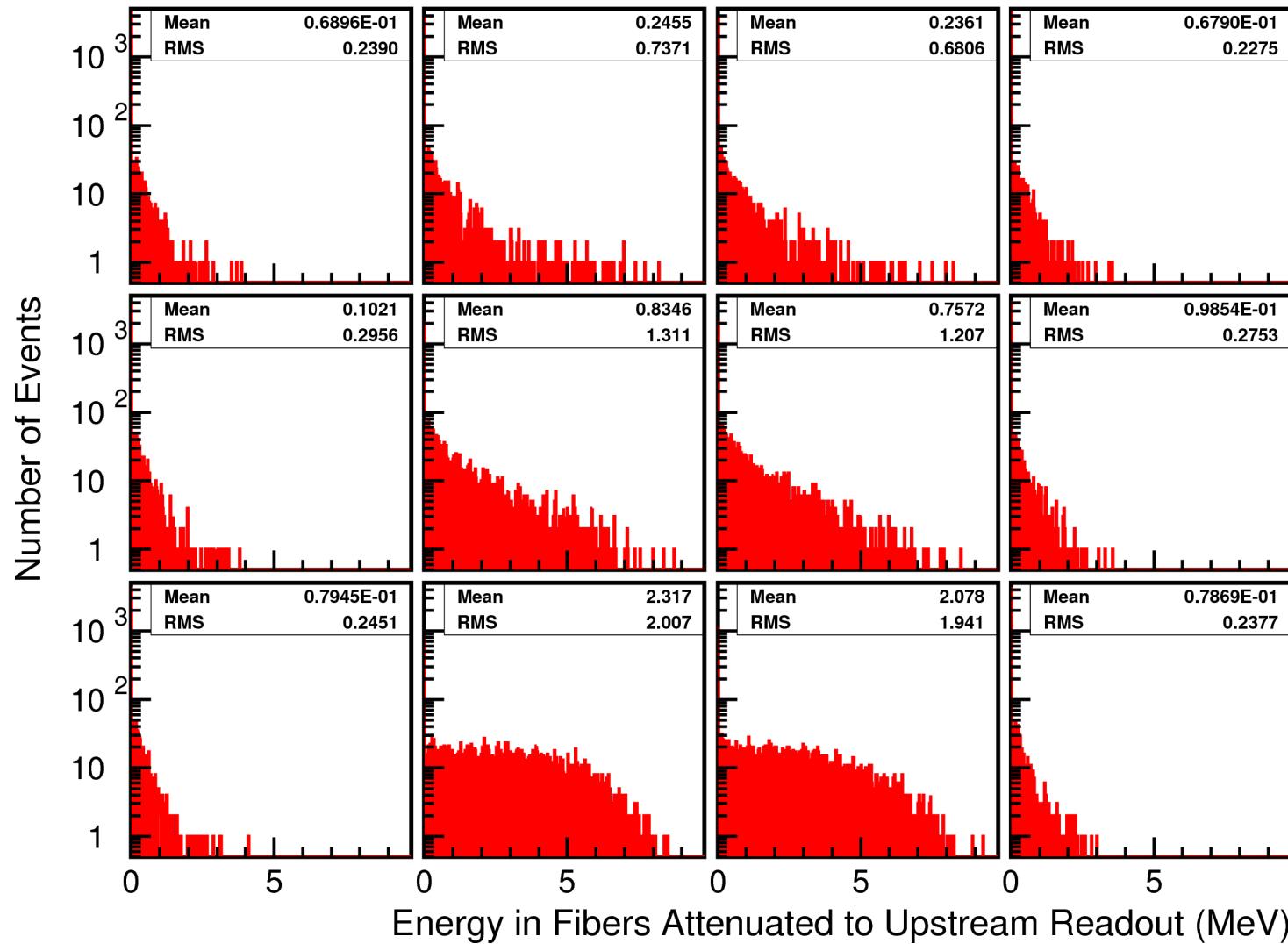
BCal Simulation (FLUKA 2008.3b.2); $E_{\gamma} = 2500$ MeV; $\Theta = 14$ deg.; gap



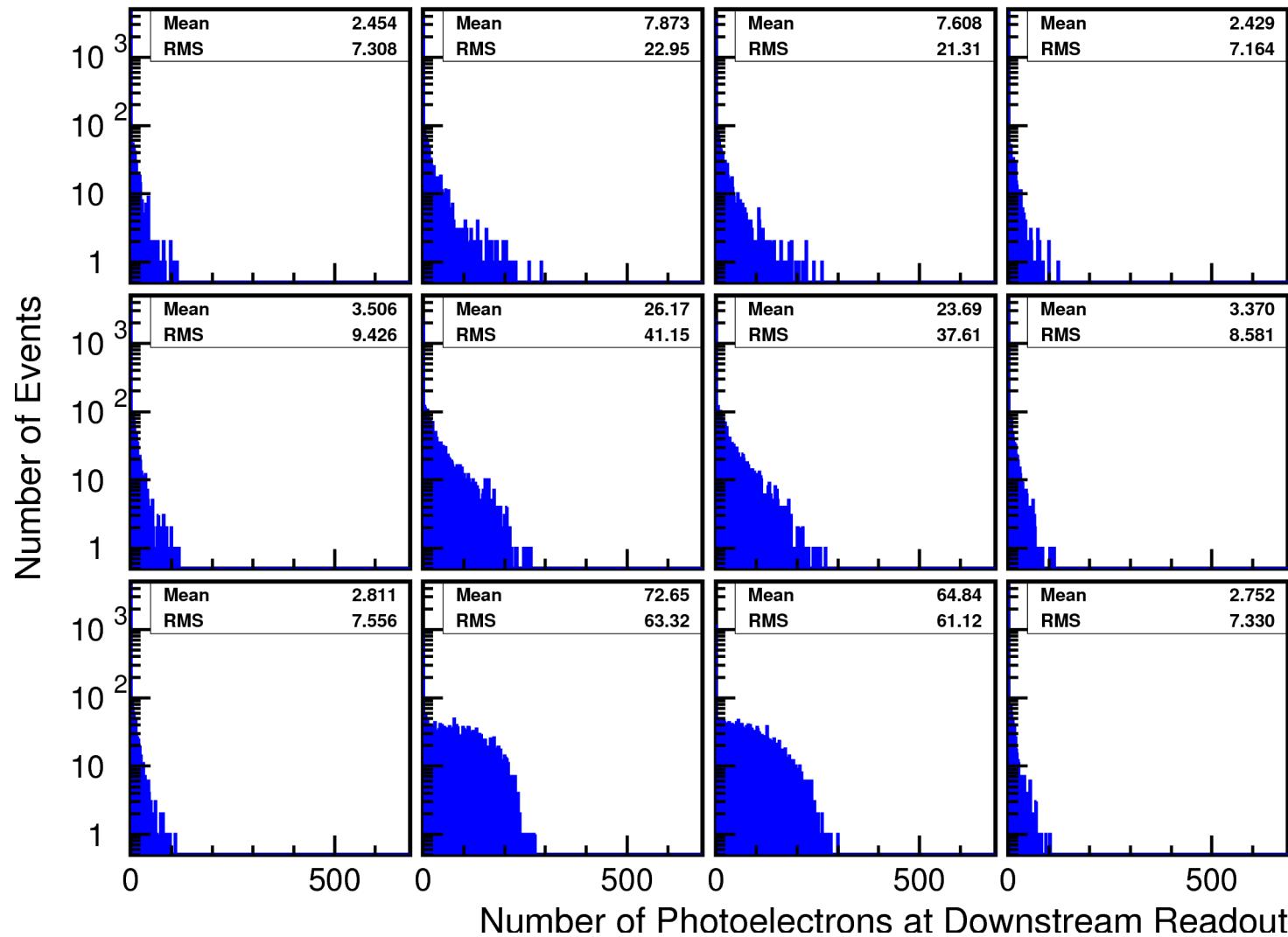
BCal Simulation (FLUKA 2008.3b.2); $E_\gamma = 60$ MeV; $\Theta = 105$ deg.; gap



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