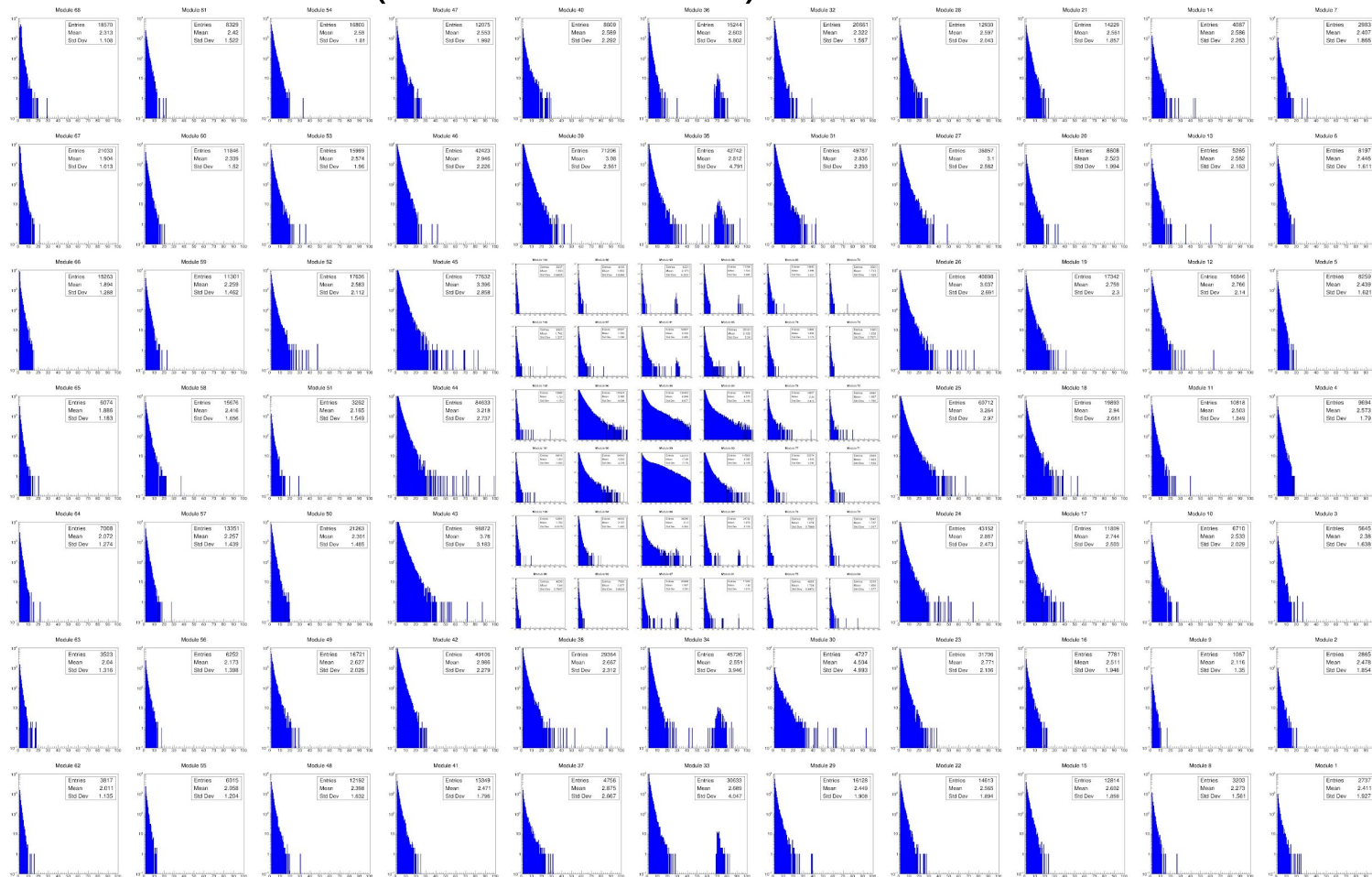
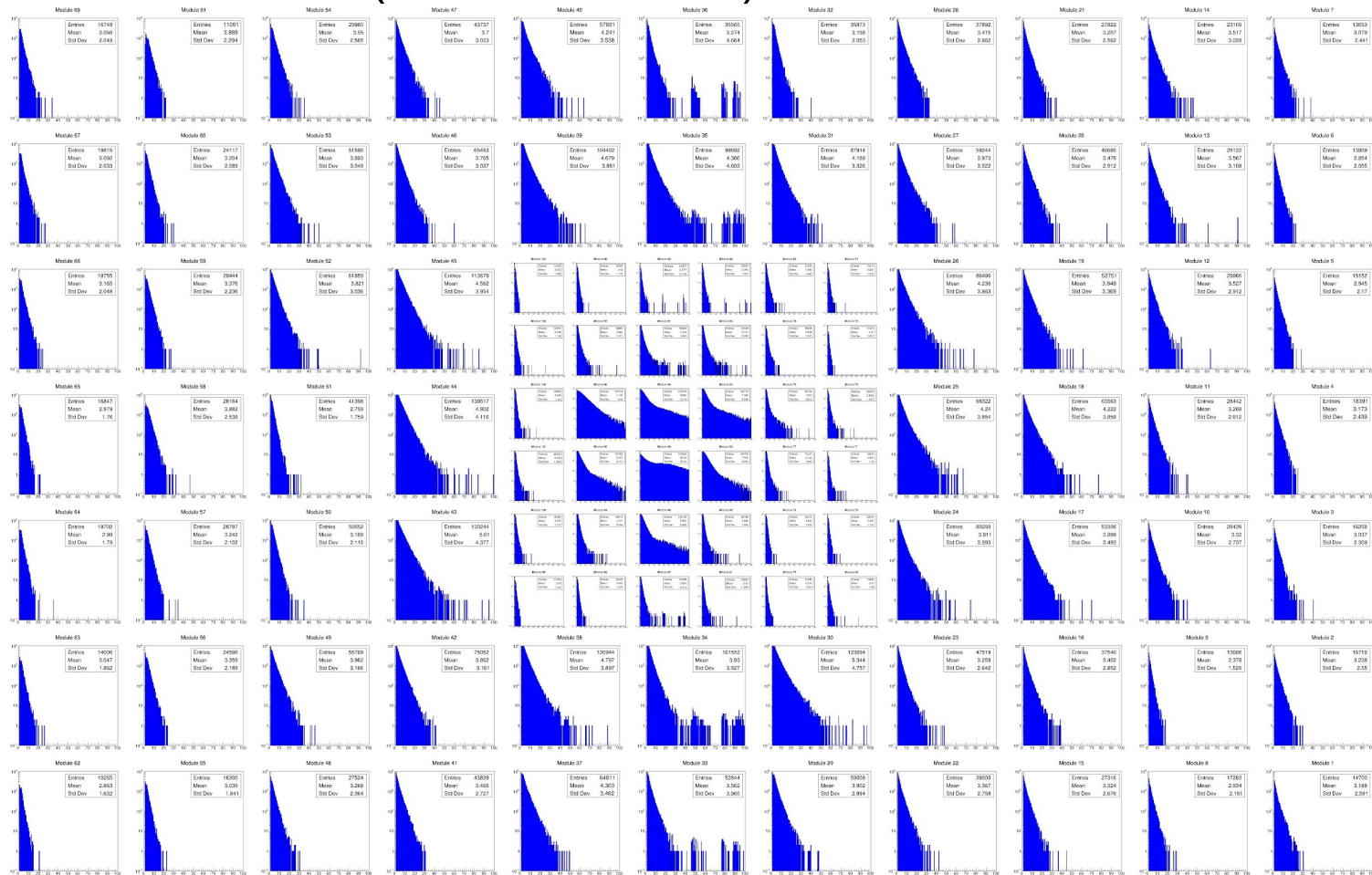


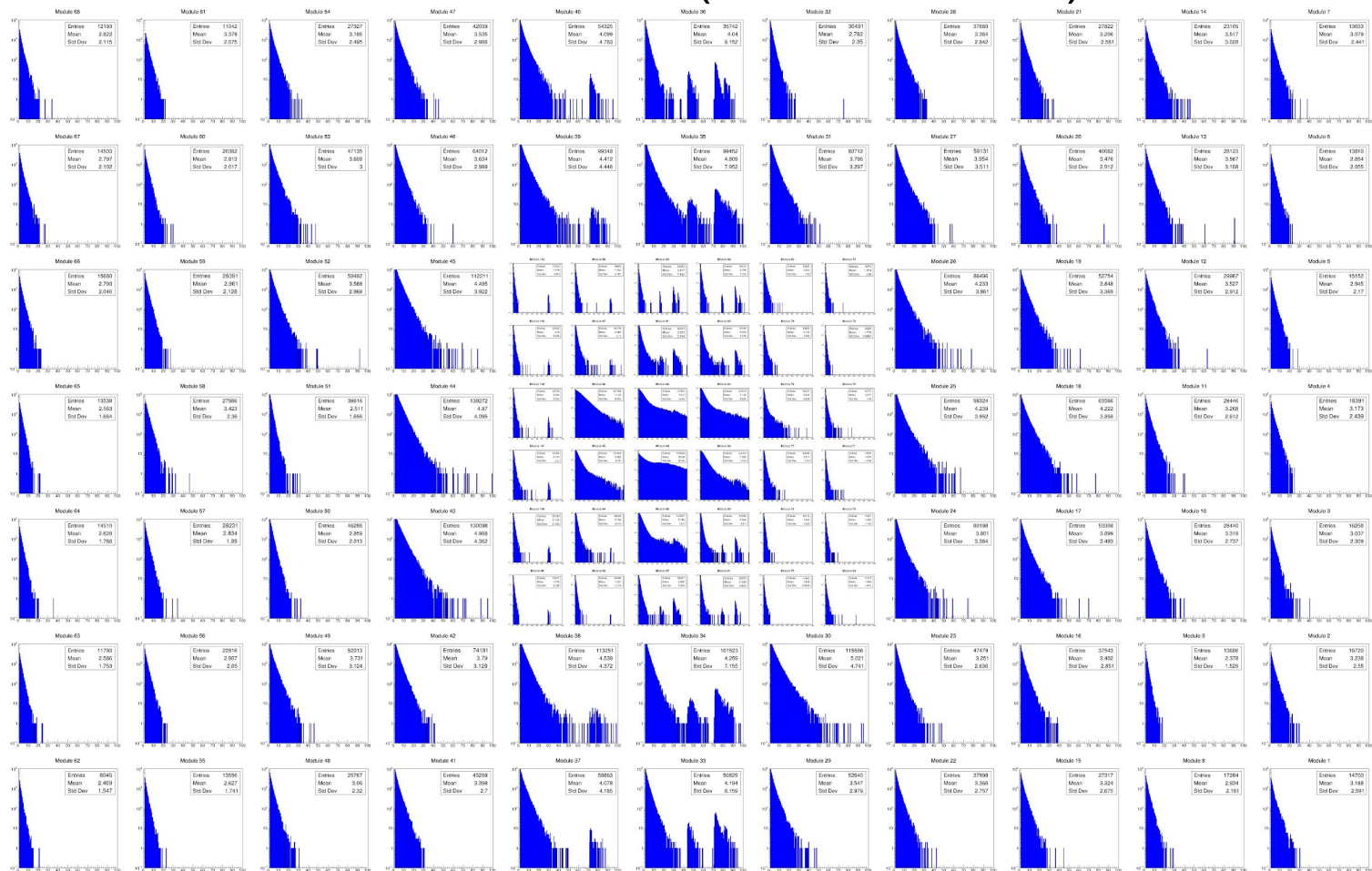
Run 3812 - 20.02.0 (209909 entries)



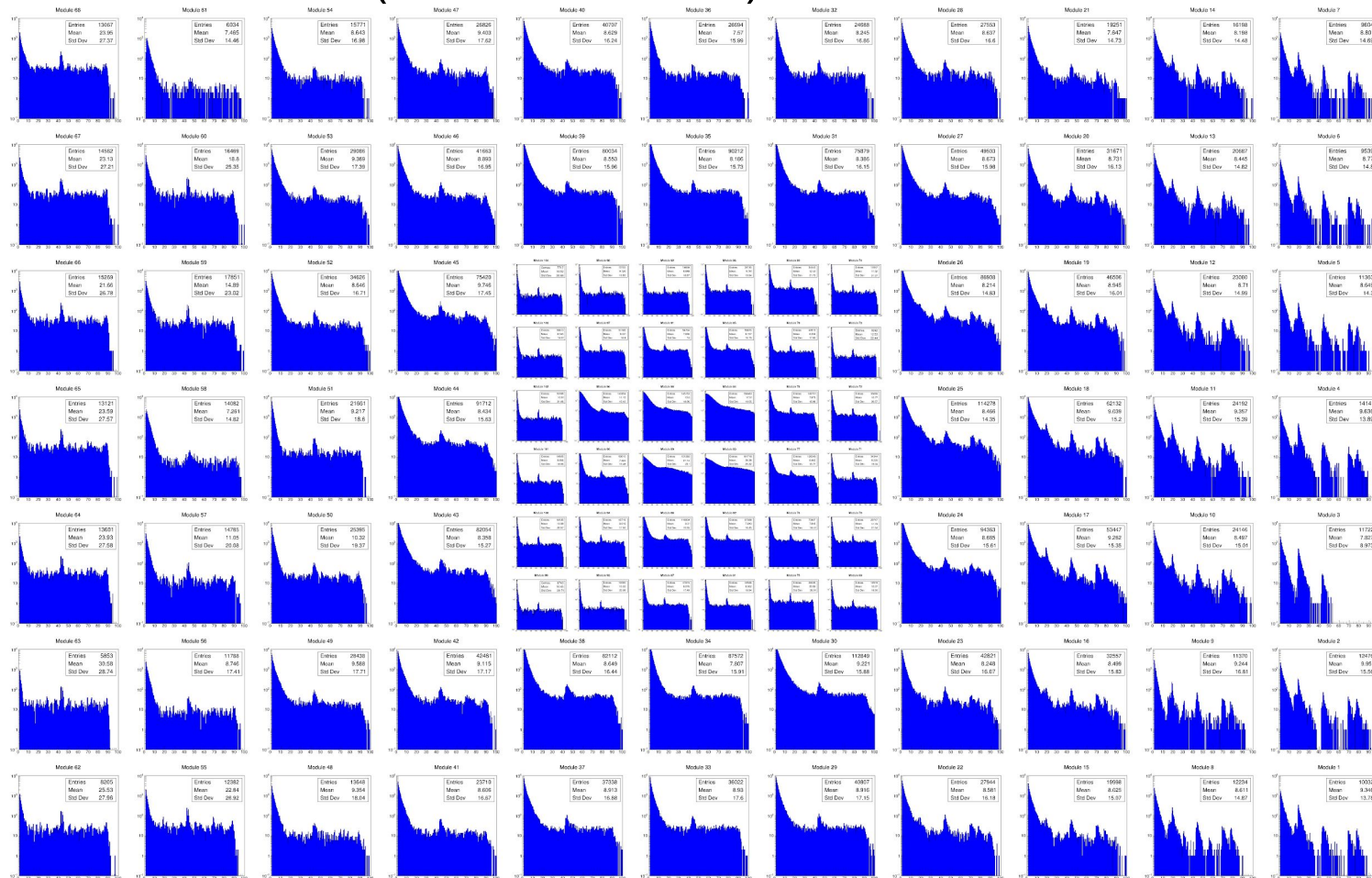
Run 3812 - 19.05.0 (228202 entries)



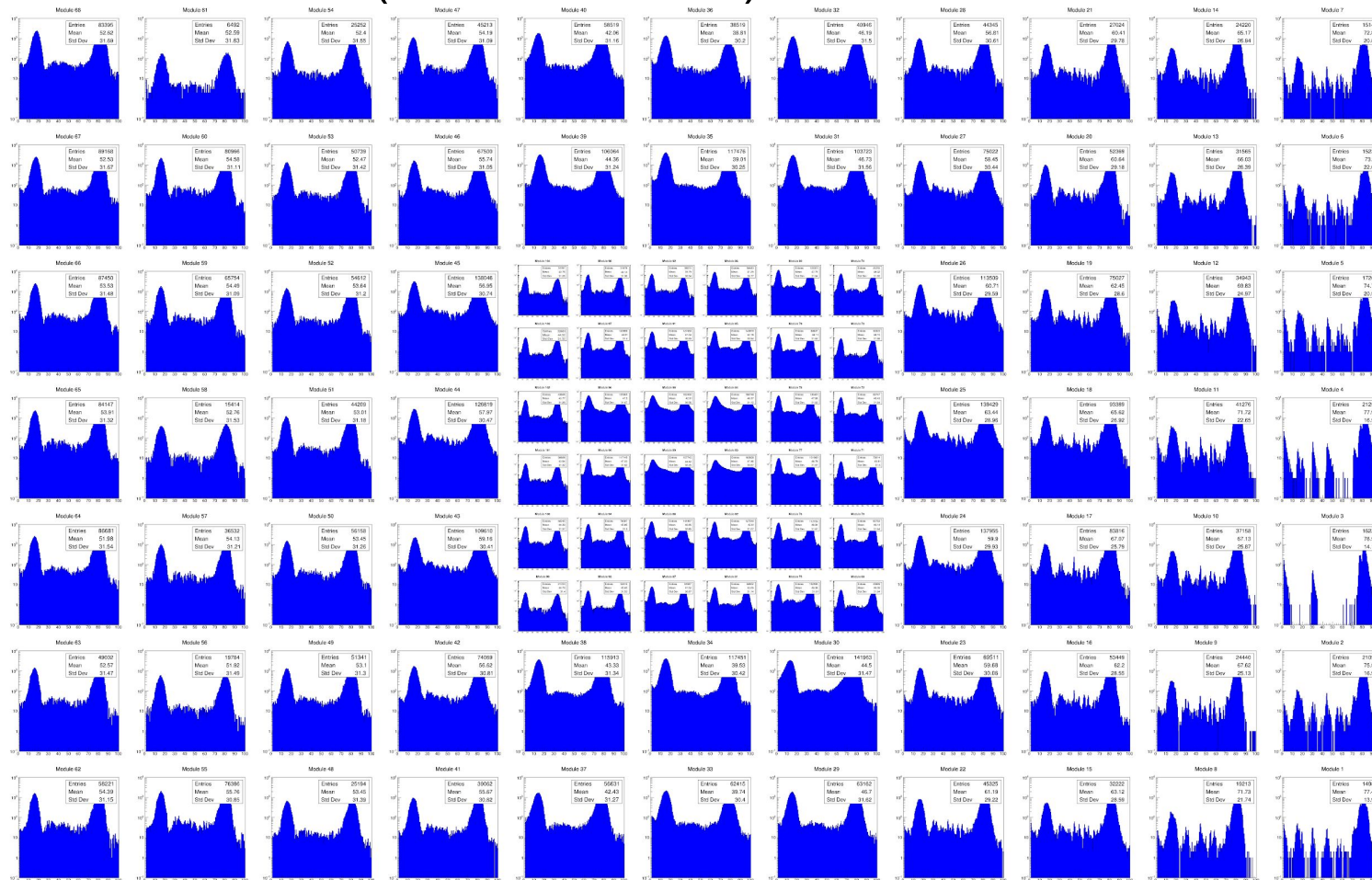
Run 3812 - new BmnDataToRoot (209909 entries)



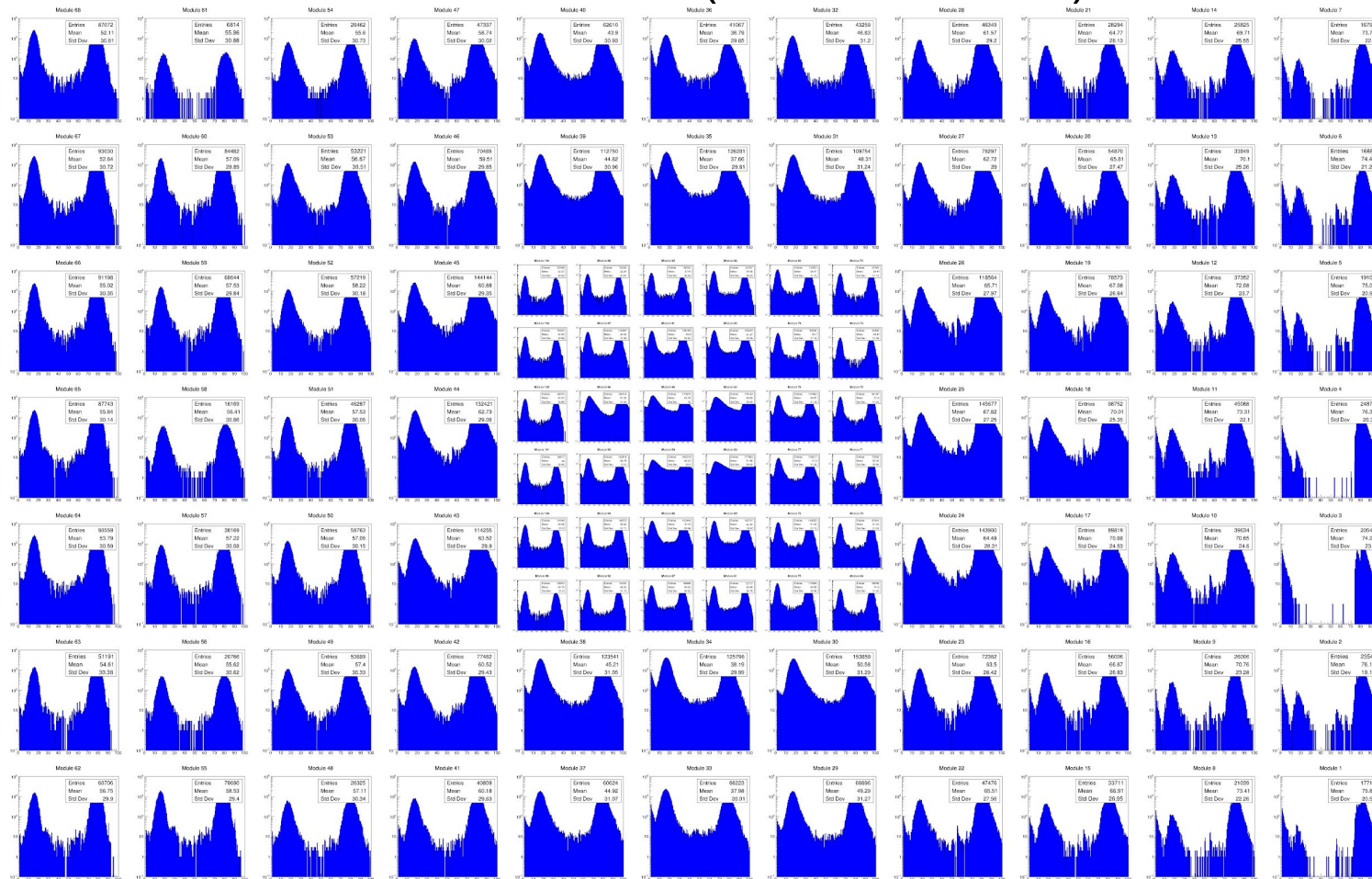
Run 4486 - 19.05.0 (229042 entries)



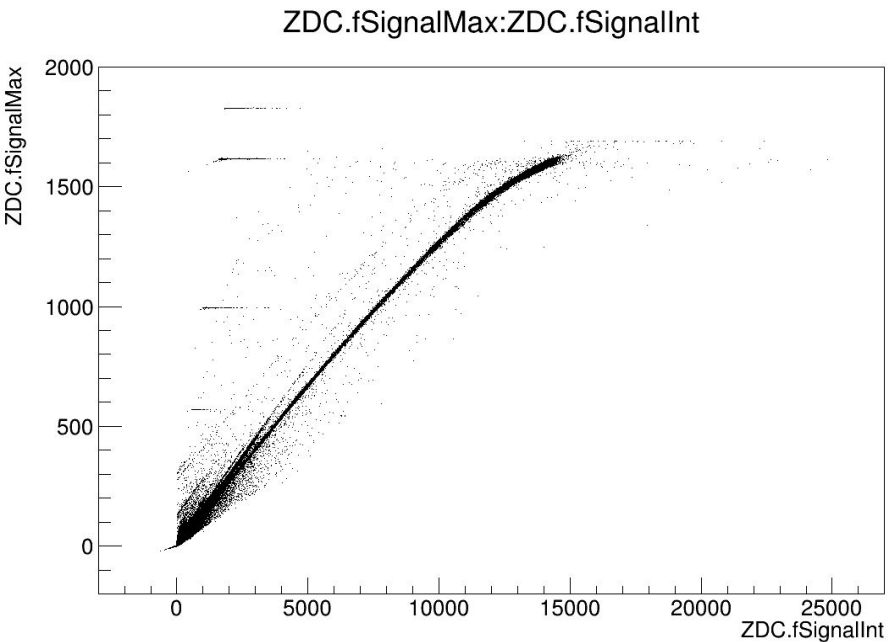
Run 4486 - 20.02.0 (211270 entries)



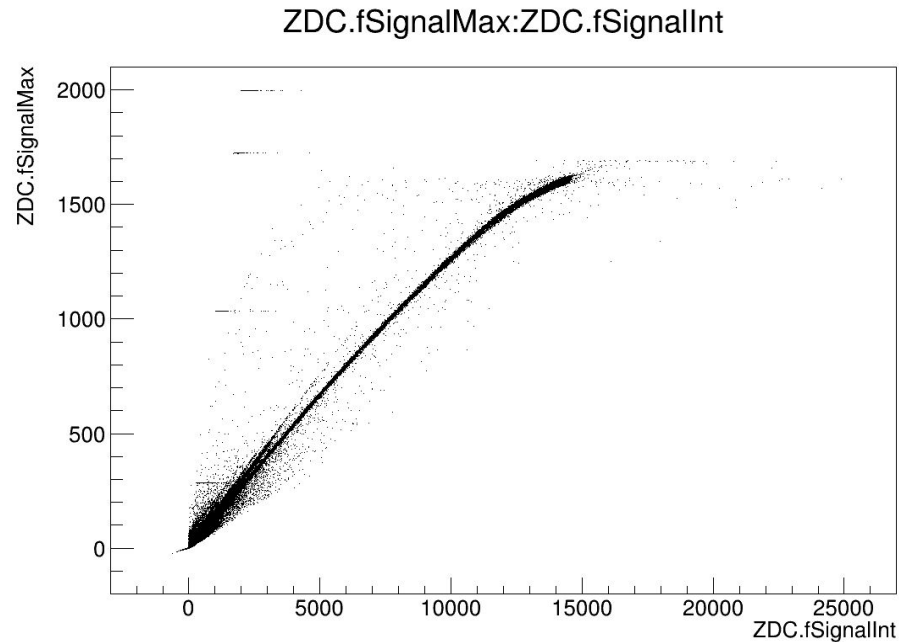
Run 4486 - new BmnDataToRoot (211270 entries)



Run 3812 - ZDC Signal maximum vs signal integral

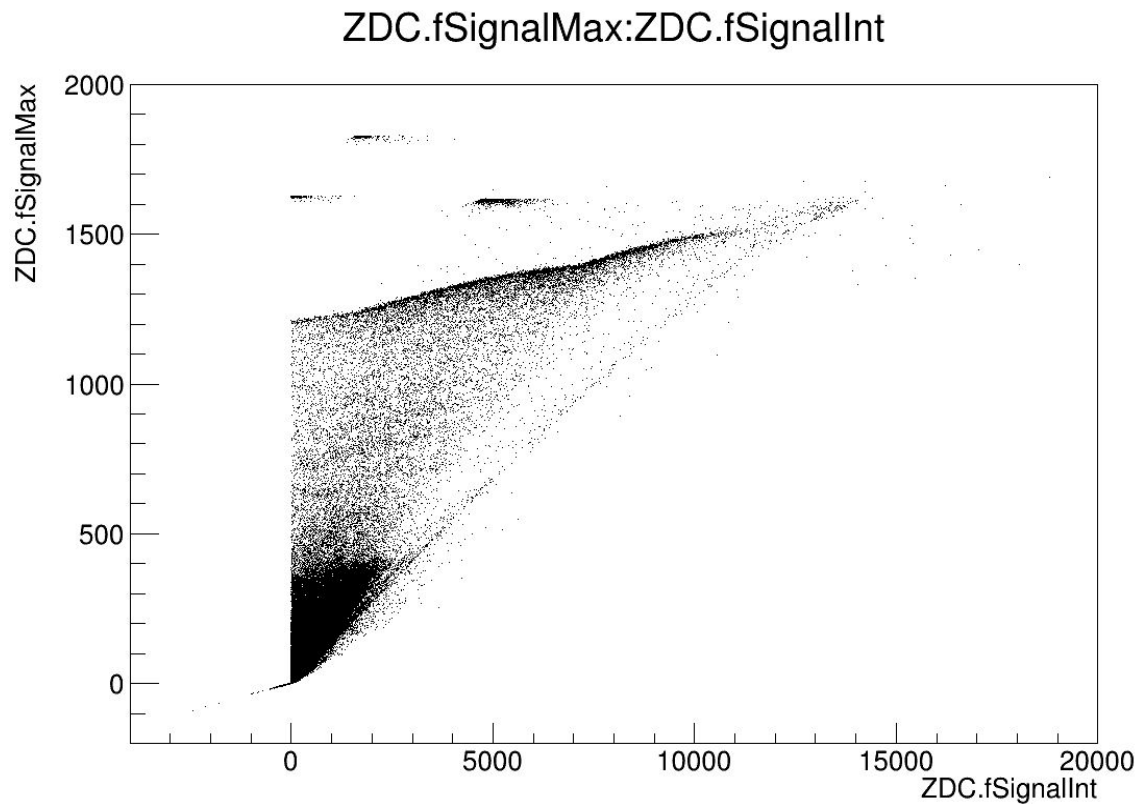


New BmnDataToRoot



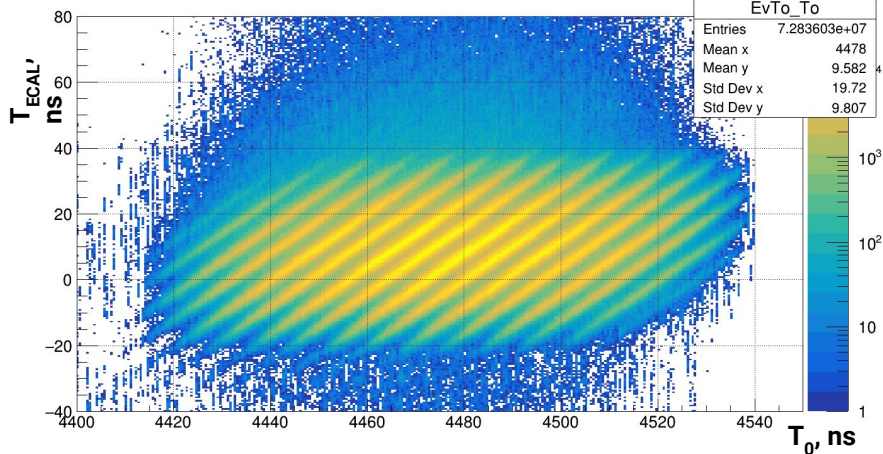
19.05.0

Run 3812 - ZDC Signal maximum vs signal integral

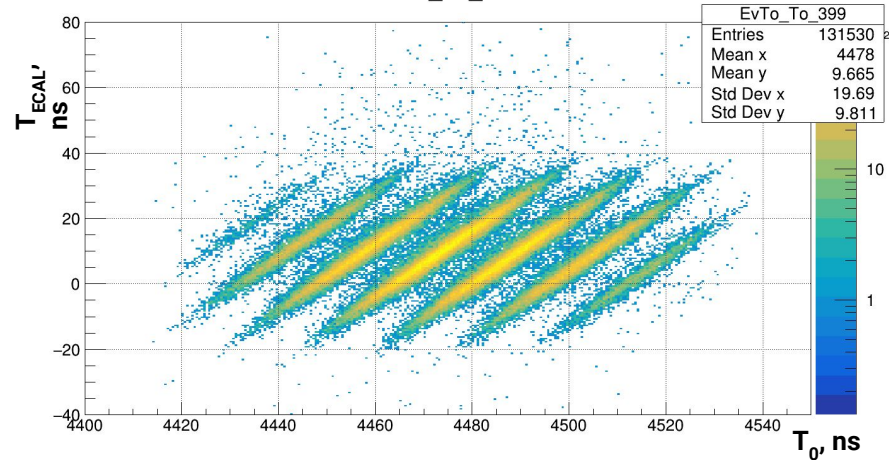


20.02.0

EvTo_To

Рис. 1) Все каналы ECAL (период ~ 8 нс)

EvTo_To_399

Рис. 2) Один канал ECAL (период ~ 16 нс)

По оси X: $T_0, \text{ ns}$ (`BmnEventHeader->GetStartSignalTime()`)

По оси Y: ECAL $T_0, \text{ ns}$ (Время начала сигнала в ECAL, фит данных АЦП)

Пытаемся понять природу полос с периодом 16 нс на рисунке 2. И найти способ “схлопнуть” картинку по X.

Для разных АЦП полосы могут смещаться на 8 нс (рис. 1)

RndGraph, run 4990, event 2490, ch 496

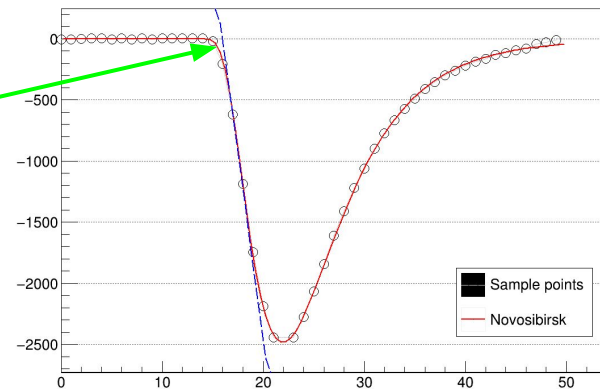
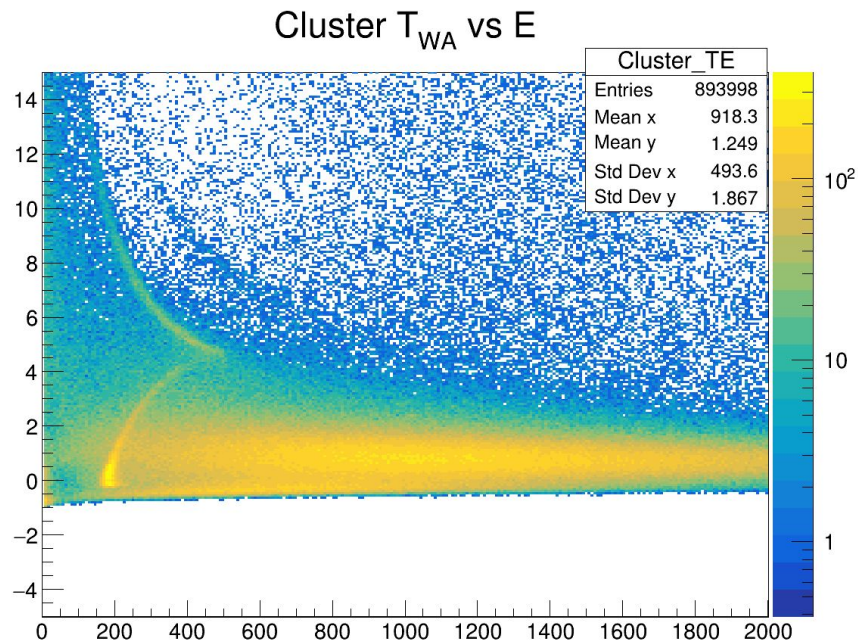
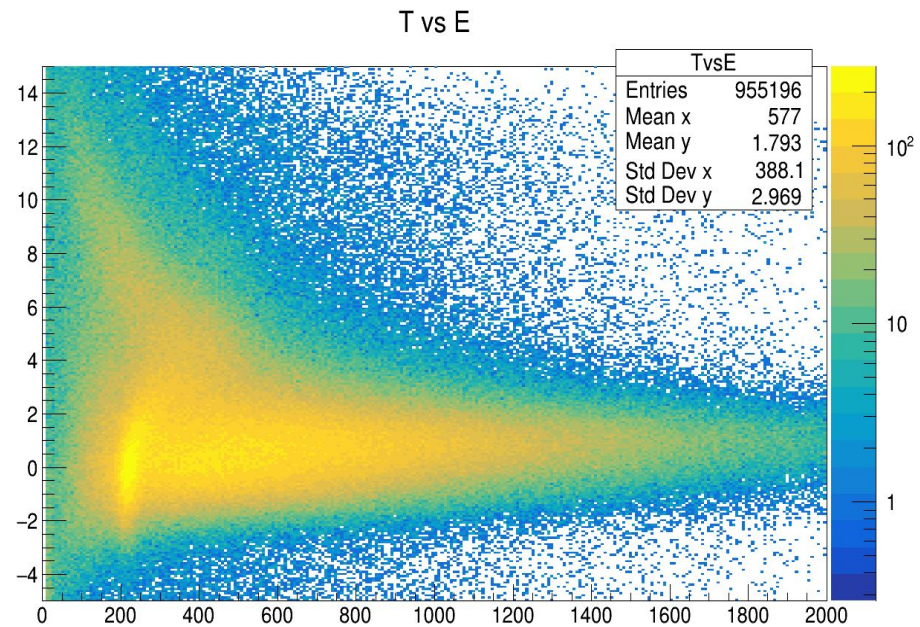


Рис. 3) Фит сигнала ECAL

ECAL Time vs Energy



DCMQGSM KrSn 2.36 AGeV mb



BMN Run 7, KrSn (4921...4966)