

Calibration Status

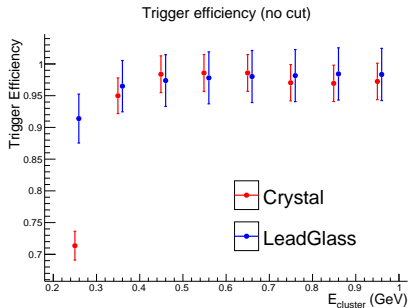
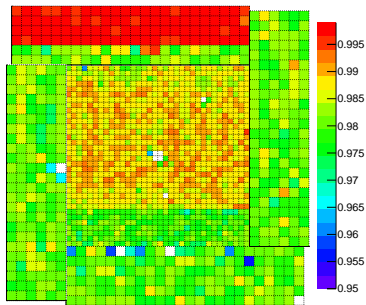
Maxime Levillain

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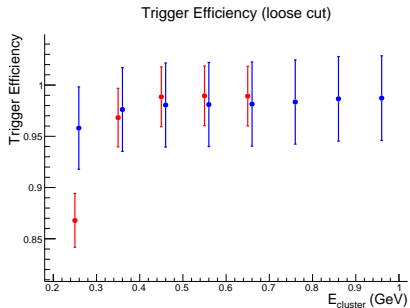
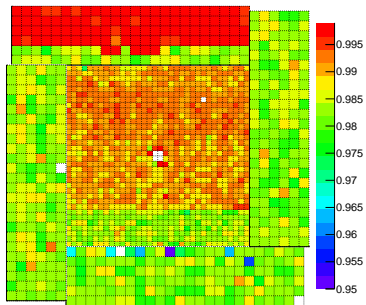
task	ilya	li	maxime
clustering tested (1.a)	✓	✓	×
calibration done (1.b, 1.c)	✓	✓	✓
resolution (1.d)	✓	✓	✓
linearity (1.e)	✓	✓	✓

- ▶ efficiency on progress now that calibration constant fixed
 - ▶ with the c++ for the c++ calibration constants
 - ▶ with Weizhi wrapper for fortran calibration code
- ▶ enough to do it module by module (except for ~10 modules)

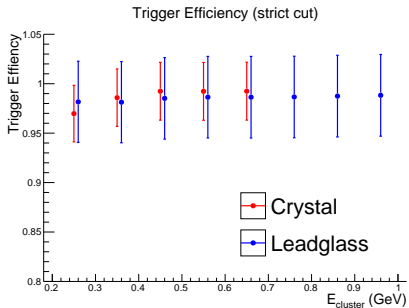
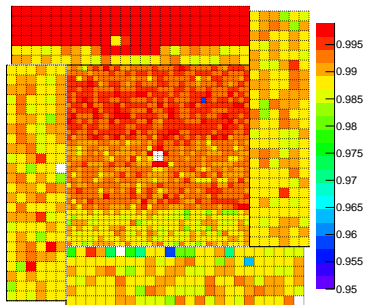


► Dependent on beam quality more than real efficiency

Efficiency (loose cut)



Efficiency (stricter cut)



- ▶ radiation damage ~ 1125
- ▶ 6 runs: 1136, 1137, 1155, 1158, 1159, 1160
- ▶ small radiation damage 1163 - 1197
- ▶ 6 runs: 1201, 1202, 1203, 1205, 1206, 1207
- ▶ 30ns gate shift
- ▶ 5 runs: 1238, 1240, 1241, 1242, 1243
- ▶ change of 64 pedestal (change of board)
- ▶ 35: 1287, 1288, 1290, 1291, 1292, 1293, 1295, 1296, 1301, 1302, 1303, 1304, 1307, 1308, 1309, 1310, 1311, 1313, 1314, 1315, 1316, 1319, 1320, 1322, 1323, 1325, 1328, 1331, 1332, 1334, 1336, 1337, 1338, 1340, 1341

- ▶ 17 runs: 1362, 1371, 1372, 1373, 1374, 1382, 1383, 1384, 1385, 1394, 1395, 1396, 1397, 1400, 1401, 1404, 1405
- ▶ fall of lms
- ▶ 13 runs: 1412, 1413, 1415, 1416, 1420, 1421, 1422, 1423, 1424, 1426, 1427, 1429, 1430
- ▶ 46 runs: 1443, 1444, 1445, 1446, 1449, 1451, 1452, 1453, 1455, 1456, 1457, 1458, 1460, 1461, 1462, 1463, 1466, 1467, 1468, 1470, 1471, 1472, 1474, 1475, 1476, 1478, 1479, 1480, 1482, 1483, 1484, 1485, 1487, 1488, 1489, 1491, 1492, 1495, 1506, 1507, 1508, 1510, 1511, 1512, 1513, 1516

Tasks:

- ▶ pedestal and lms: ✓
- ▶ status files to identify modules with trigger or adc problems:
on progress
- ▶ calibration by period (3 codes)
- ▶ alignment for each run
- ▶ matching with GEM