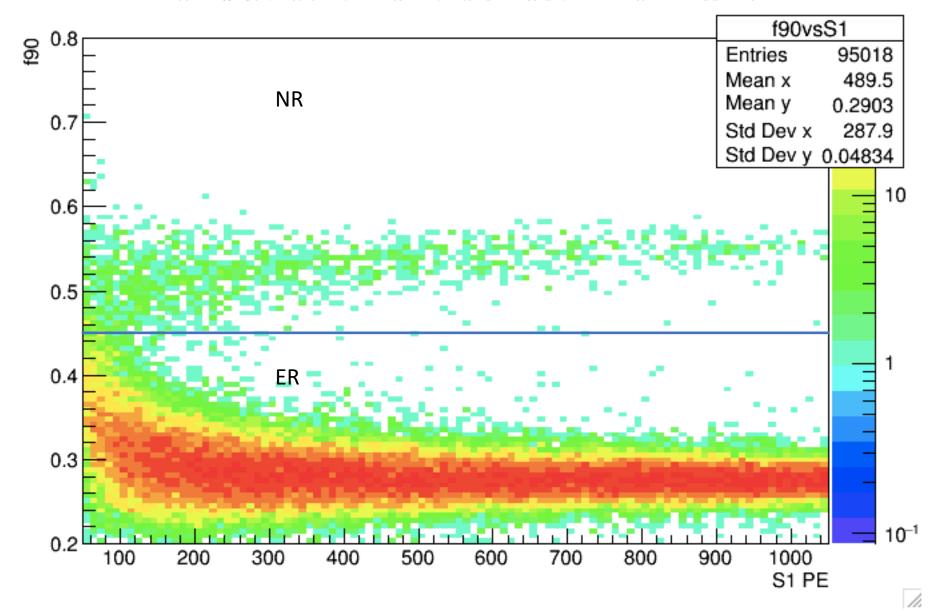
NR with AmBe

• Run 1186 through 1193 (12 hr data taking)

480 k event total

• Select event with 2 clusters, n.1 f90>0.2, n.2 f90<0.2, Tdrift<65 us

•

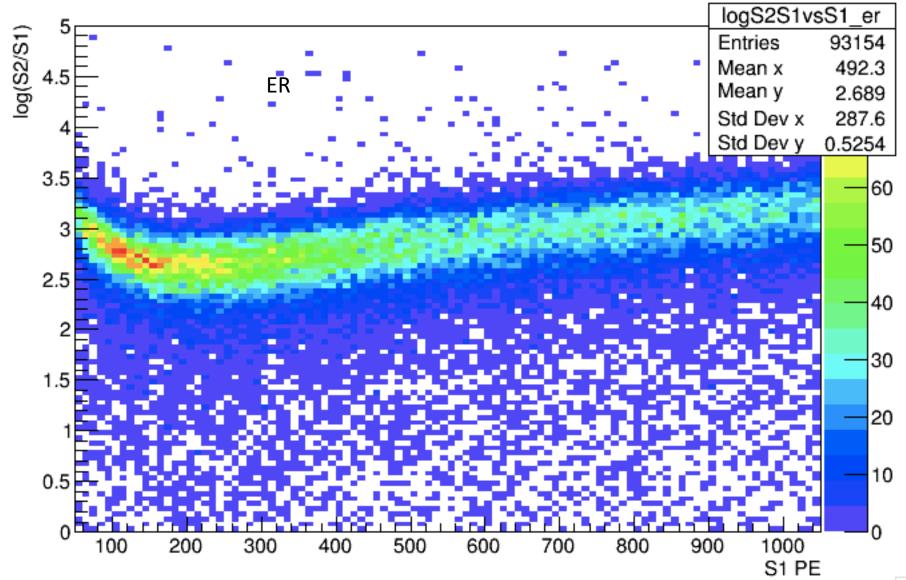


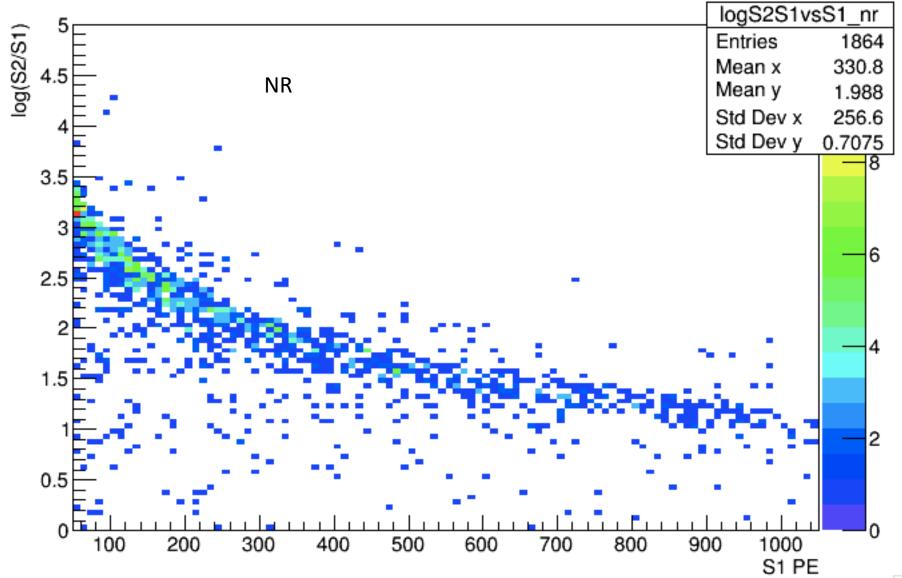
• 1864 "neutrons" (f90>0.45) 0.4% of total

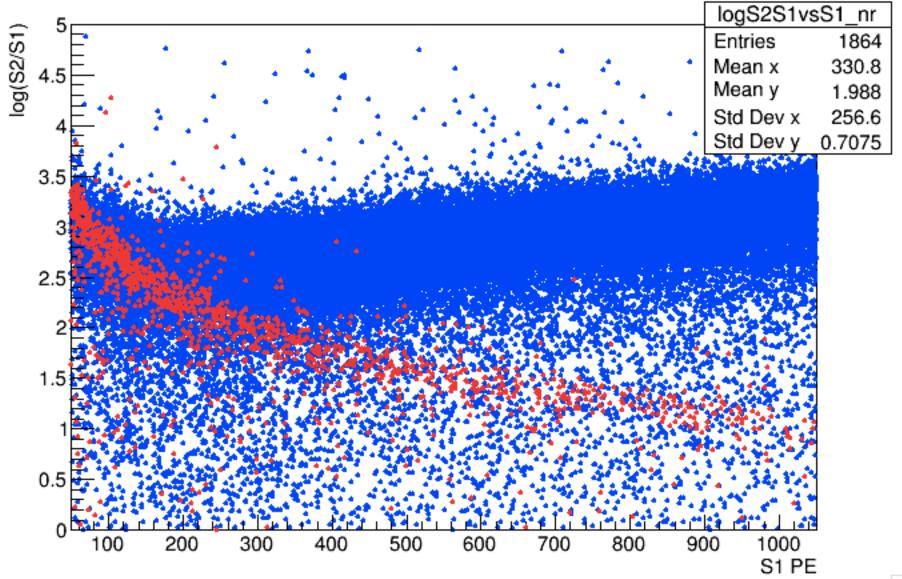
• 0.7 % of total eventse in runs <1191

 Something happened at run 1191 good event fraction drops from 0.7% to 0.2 %

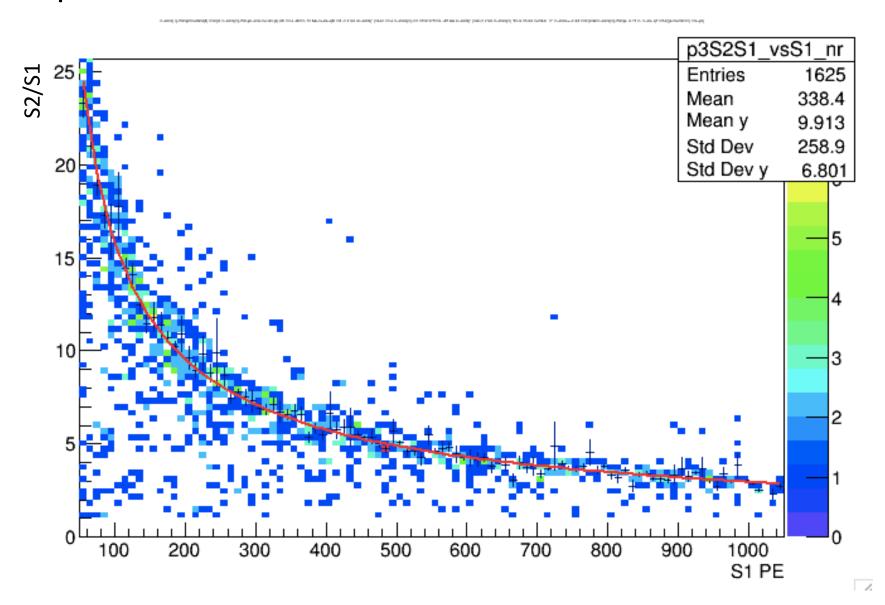
• Event with no cluster found increases by factor 10...

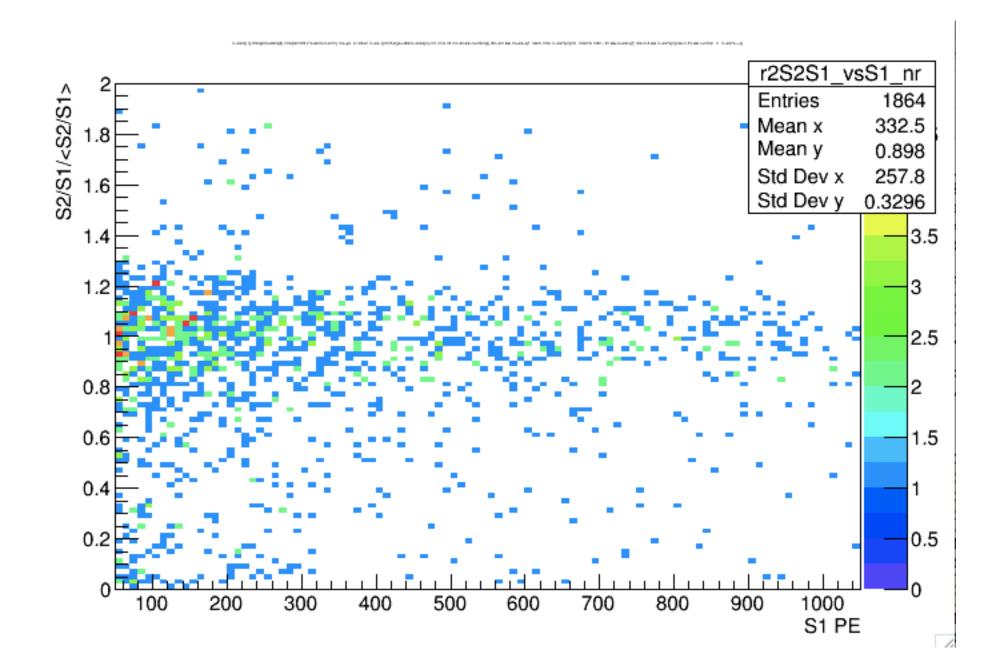




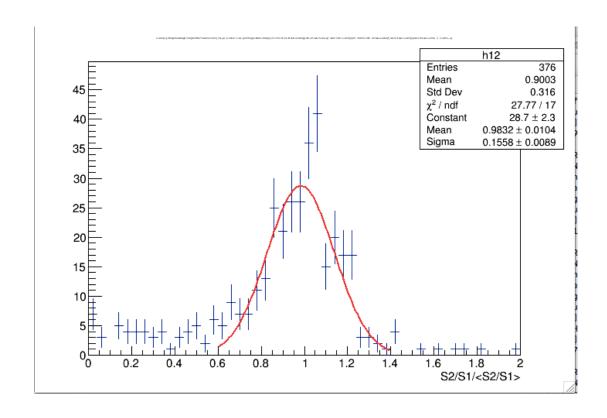


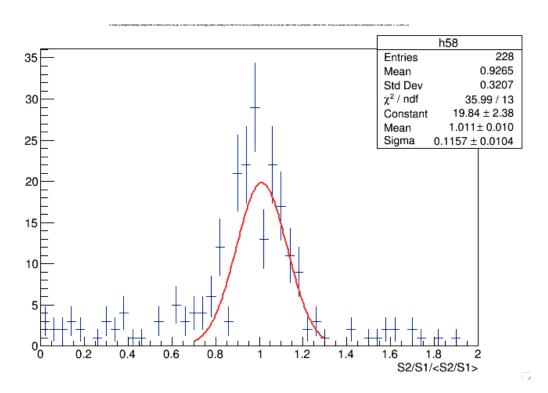
S2/S parametrization for NR



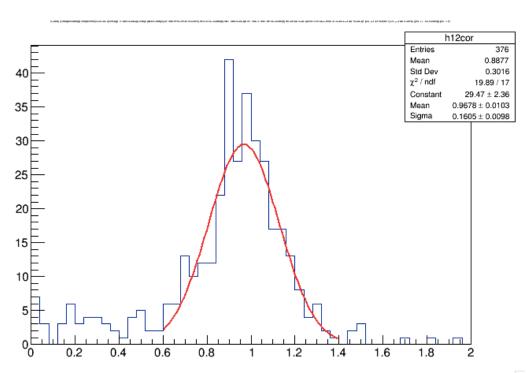


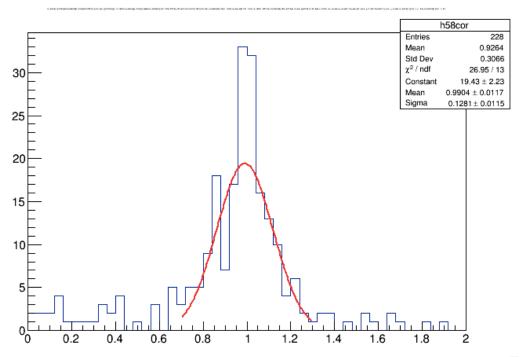
100<S1<200 vs 500<S1<800





100<S1<200 vs 500<S1<800 with XY correction on S2





Conclusions

 Statistics so far is quite low. Difficult to really characterize the TPC or optimize PSD

In addition in the relevant 100 to 200 PE pulses there is some ER bkg

• However it is confirmed that the NR S2/S1 rms is significantly smaller than ER ones for the same S1 size: e.g. in 500<S1<800 range this is about 12% vs 18%.