

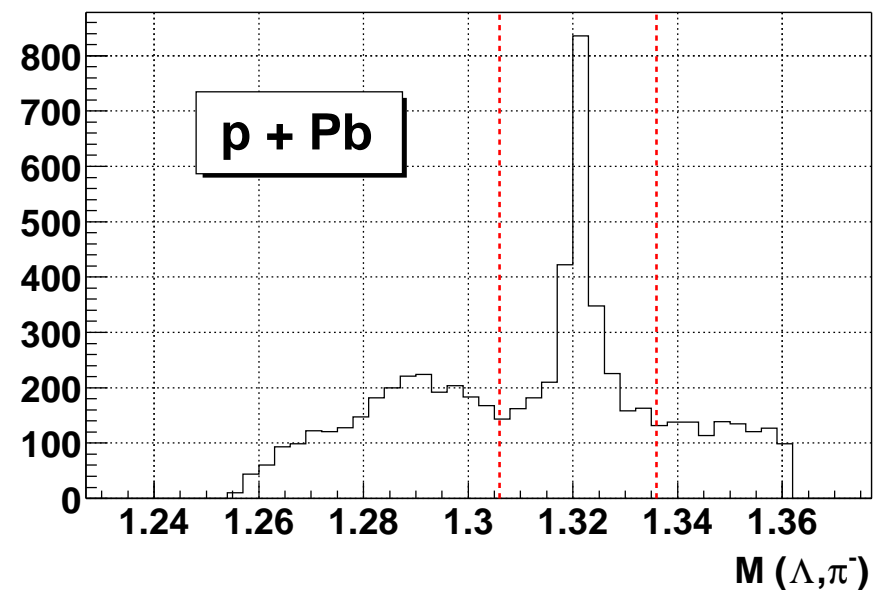
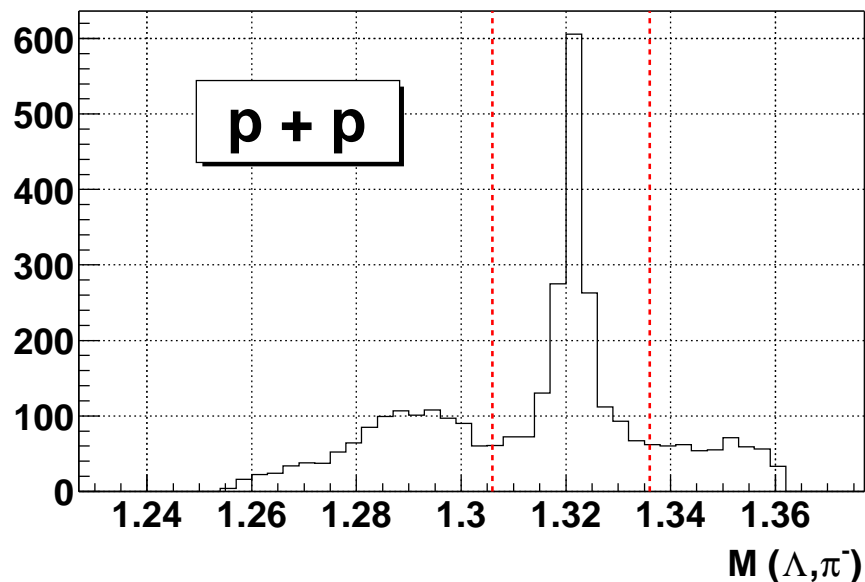
Pentaquark search in p+p & p+Pb

Used dataset: 00E (1999, approx. 1.2 M events), MTV0 candidates

(TODO: use 02D [2001, 1.6M events, with GapTPC])

Cuts: the same as used for p+p, + many other trials

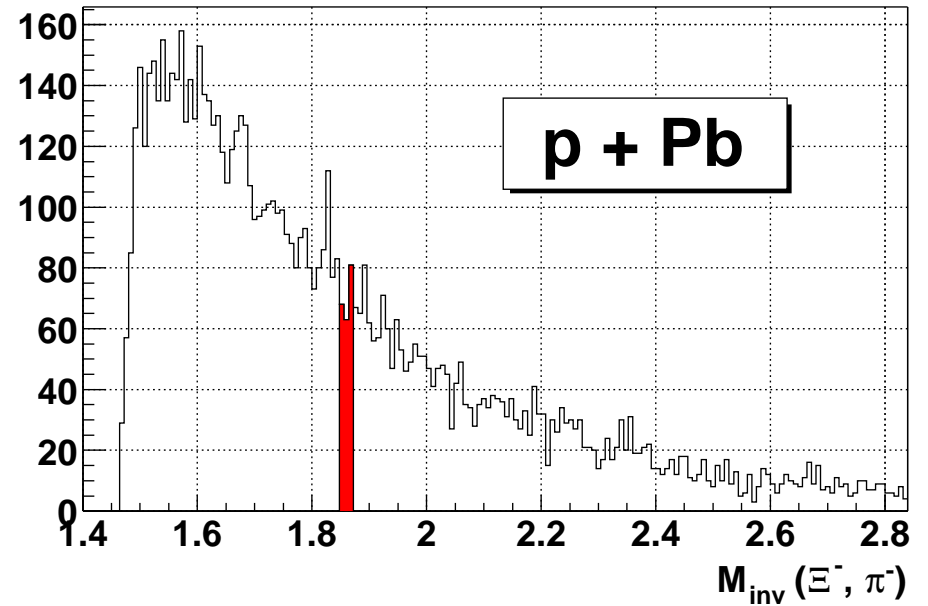
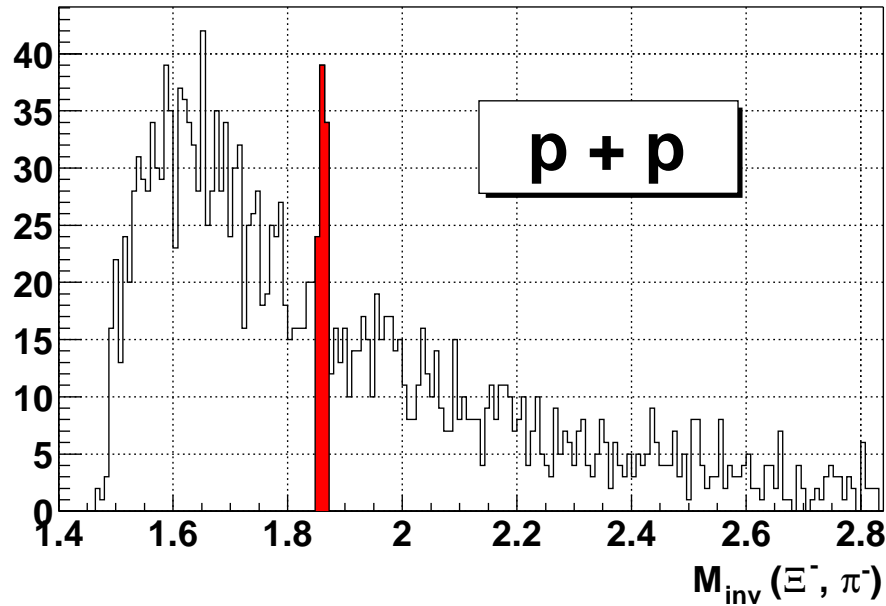
Ξ^- peak is large enough in p+Pb:



Good/bad news ...

Signal in pp reproduced

No signal seen in p-Pb



(different multiplicity and N_{CD} classes, and varied cuts were tried)

How to make advantage from a deficit :-)

Physics is different in $p+p$ and $p+Pb$



There can be differences between $p+p$ and $p+Pb$ results

The same software is used for $p+p$ and $p+Pb$



If this would be an artificial peak, that should be seen in $p+Pb$ as well