



University
of Regina

Kaon LT Meeting

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Data

Runs (Winter 2018)	E_e (GeV)	Q^2 (GeV/c) ²	W (GeV)	X	θ_{SHMS} (deg)
6638 - 6857	3.835	0.5	2.40	0.09	6.79 (Center)
6709 - 6775	3.835	0.5	2.40	0.09	9.79 (Left)
6885 - 6971	4.933	0.5	2.40	0.09	6.79 (Center)
6921 - 6978	4.933	0.5	2.40	0.09	9.79 (Left)
6980 - 7045	4.933	0.5	2.40	0.09	6.01 (Right)

Event Selection

`abs(P.gtr.beta-1) < 0.3`

`P.hgcer.npeSum < 1.5`

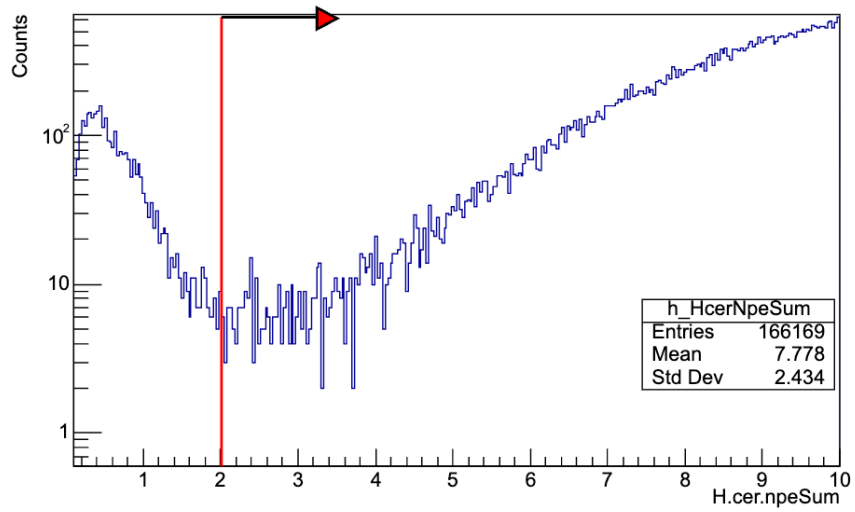
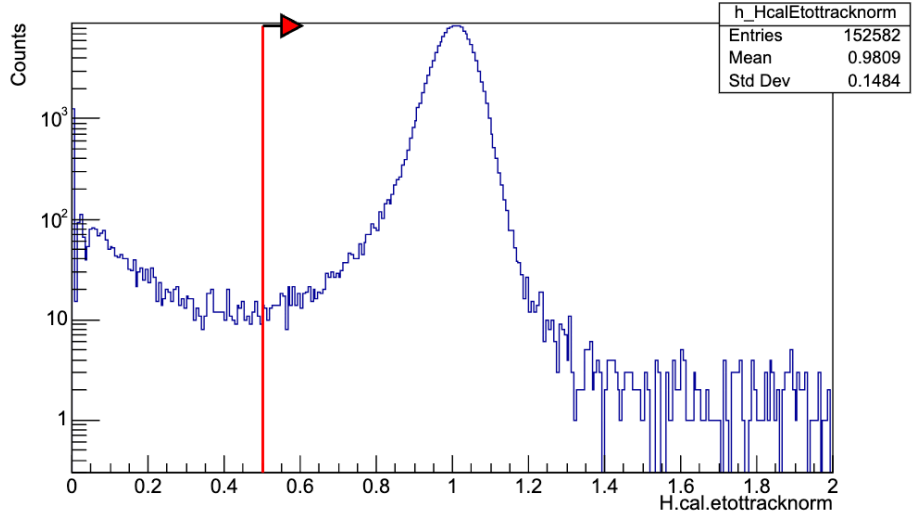
`P.aero.npeSum > 3`

`H.cal.etottracknorm > 0.5`

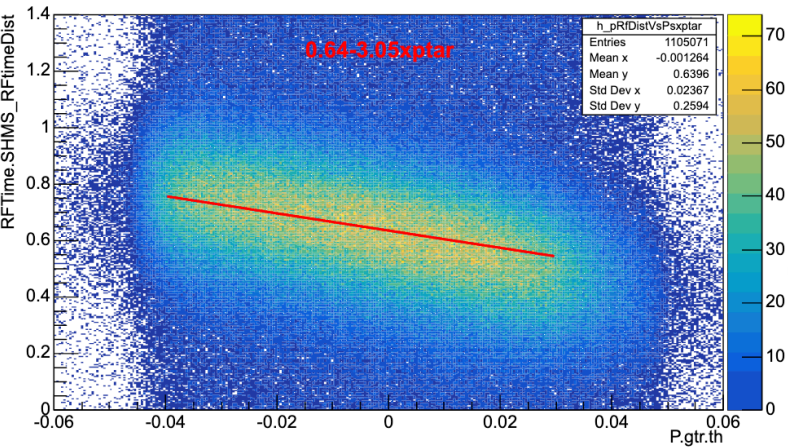
`H.cer.npeSum > 2.0`

`0.15 > RFTime.SHMS_RFtimeDist > 0.95`

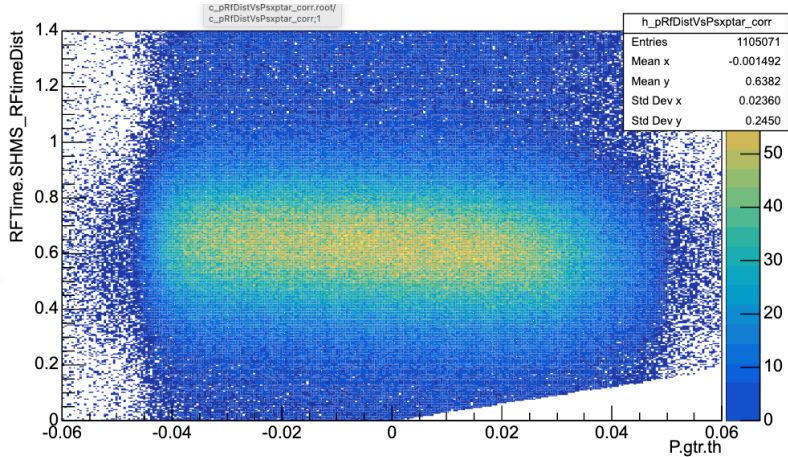
HMS PID



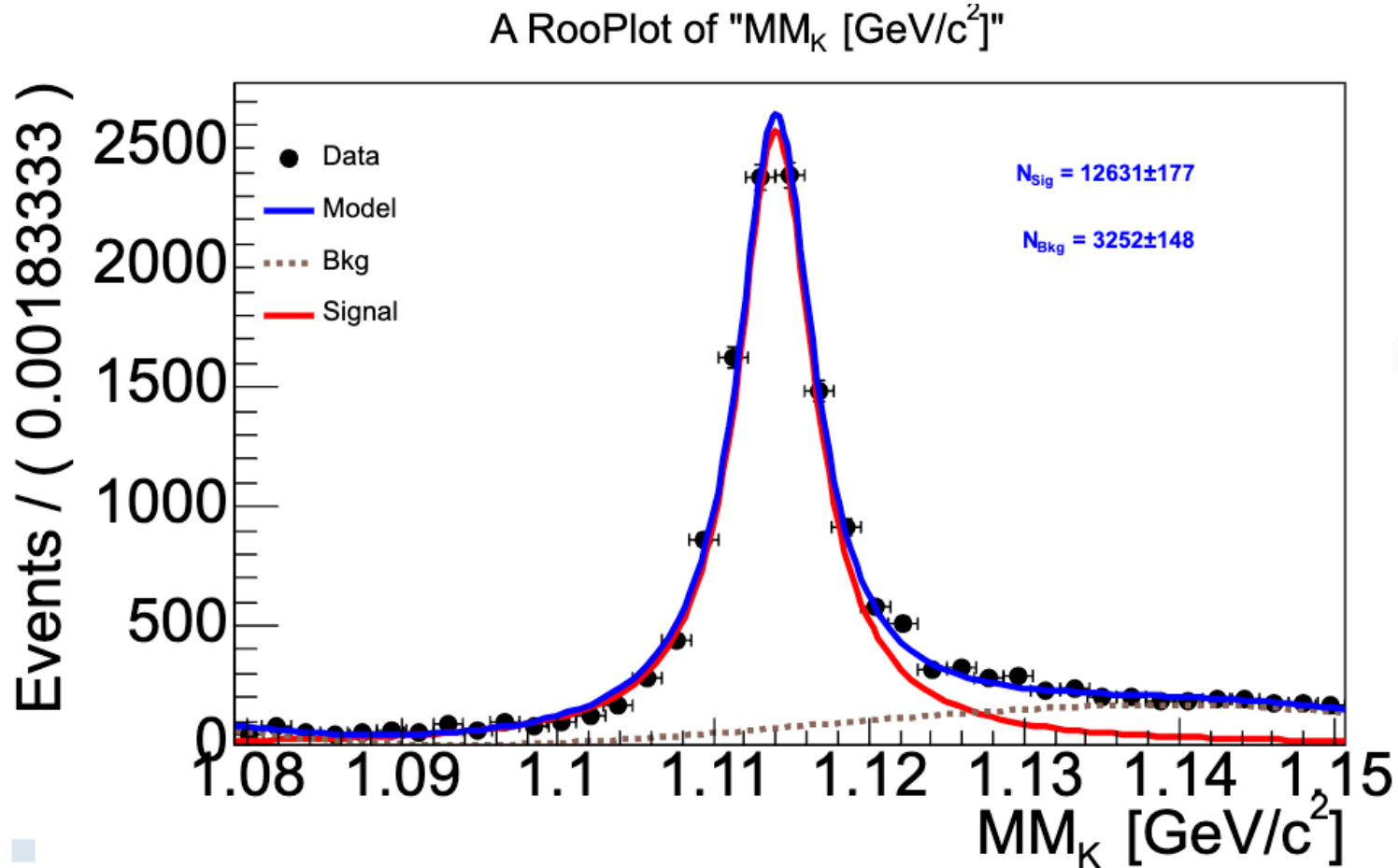
RF time correction



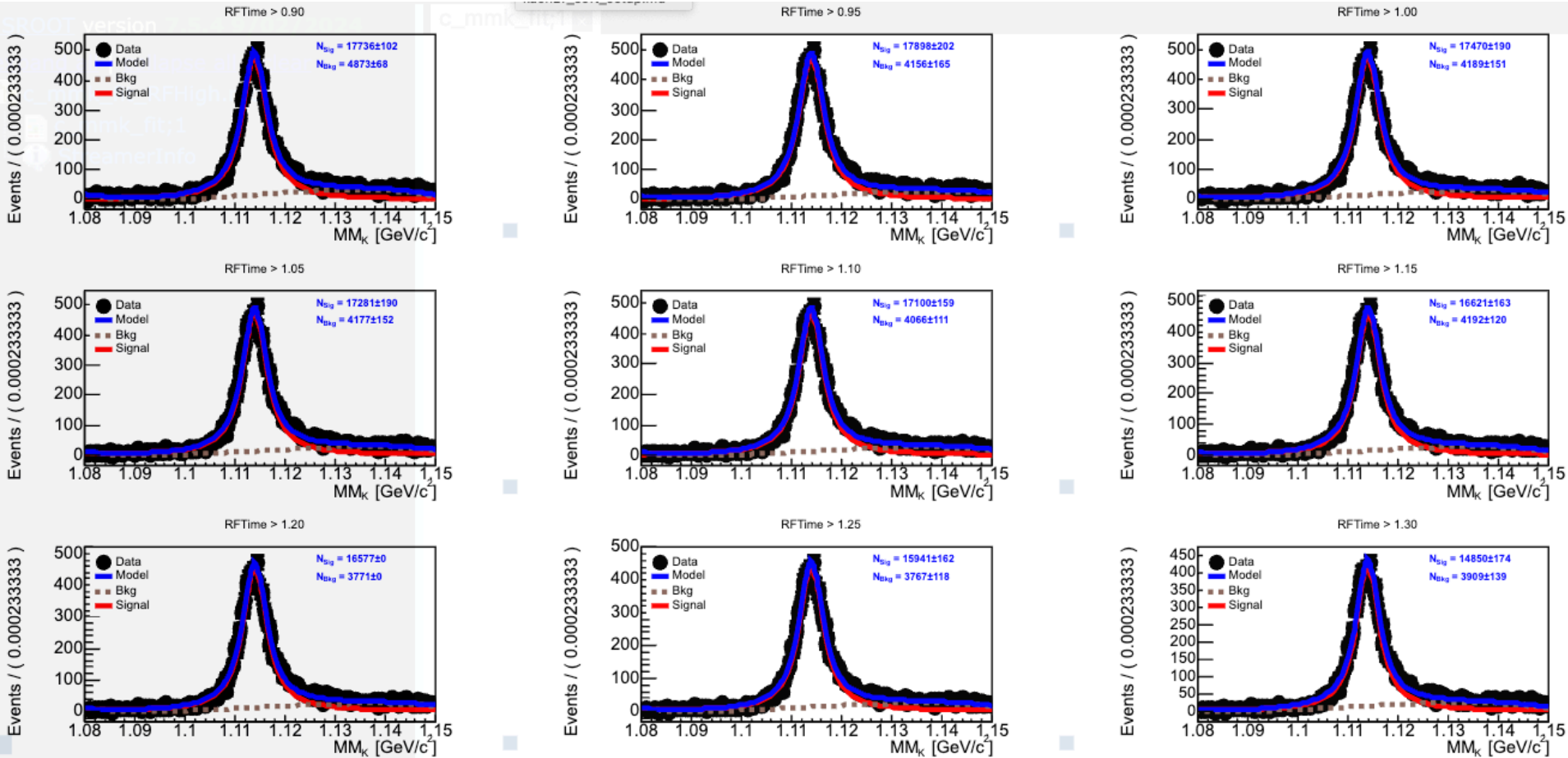
correction



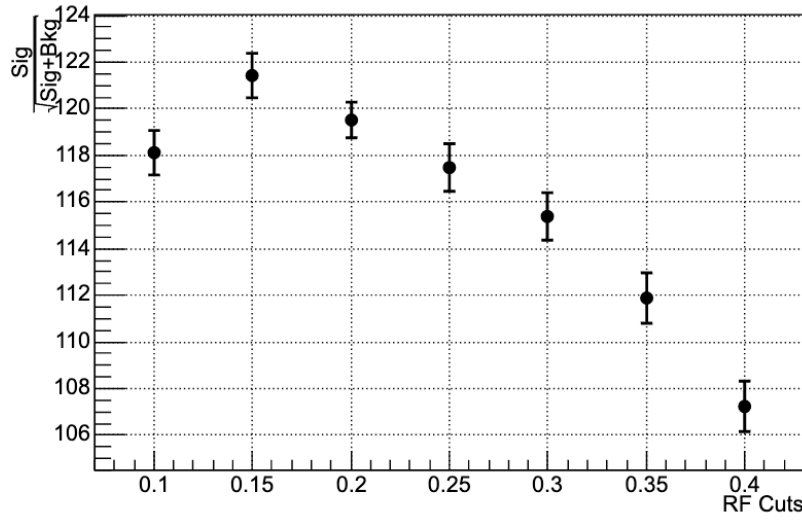
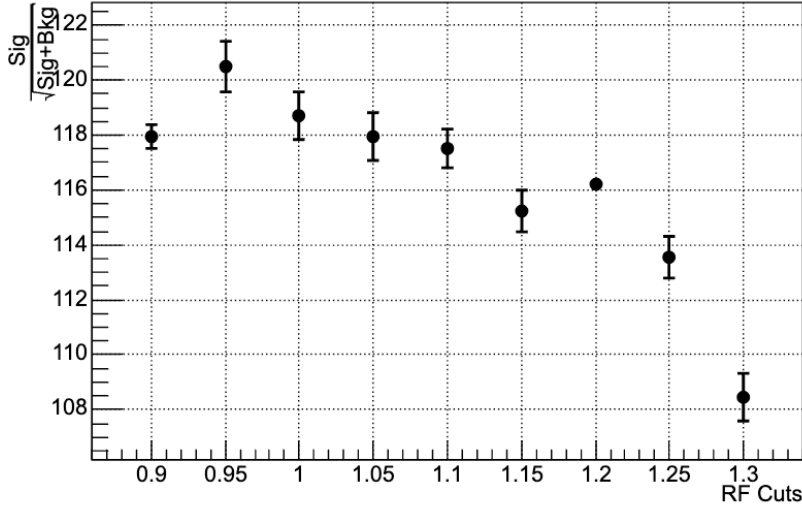
Missing mass in Λ region



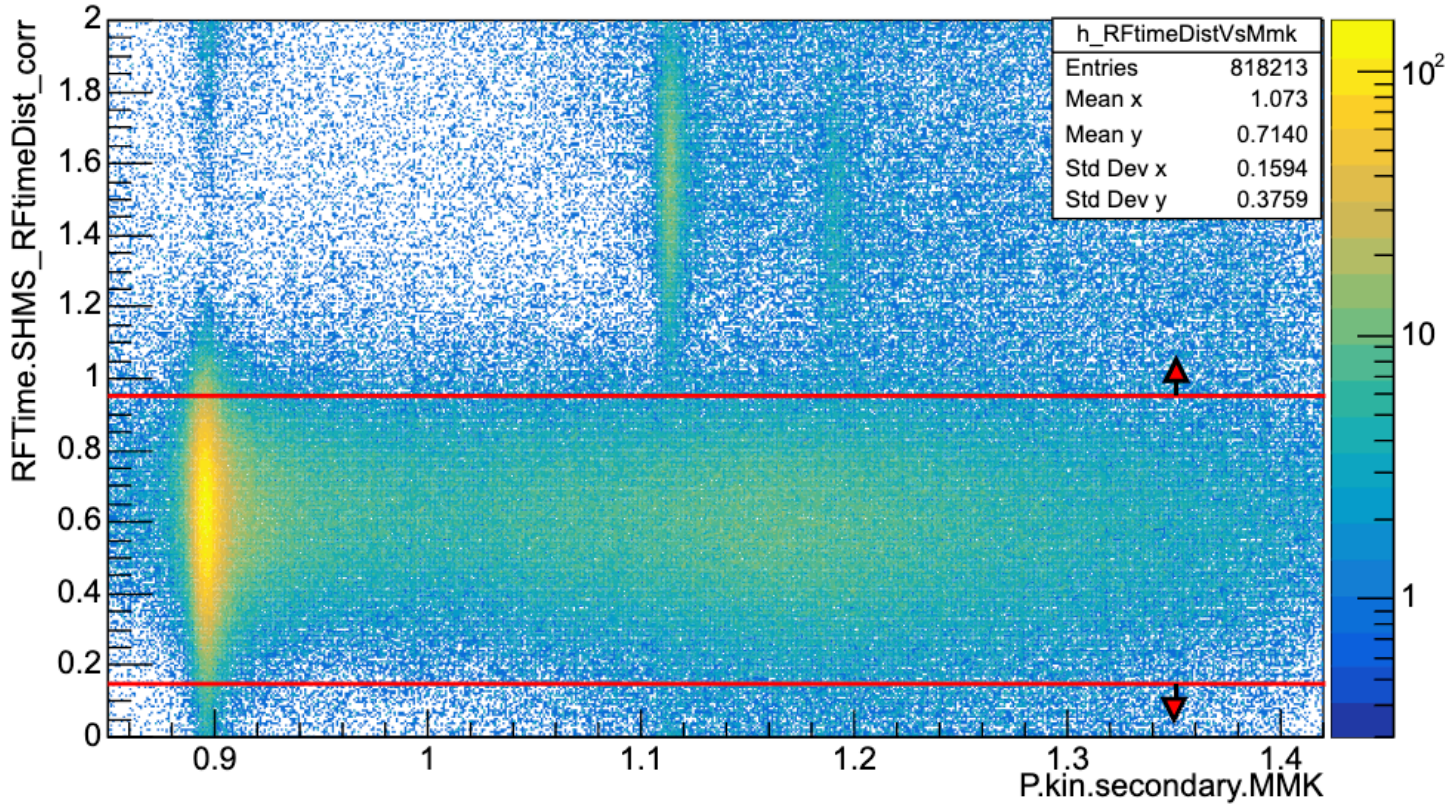
Missing mass in Λ region for different RF time Cuts



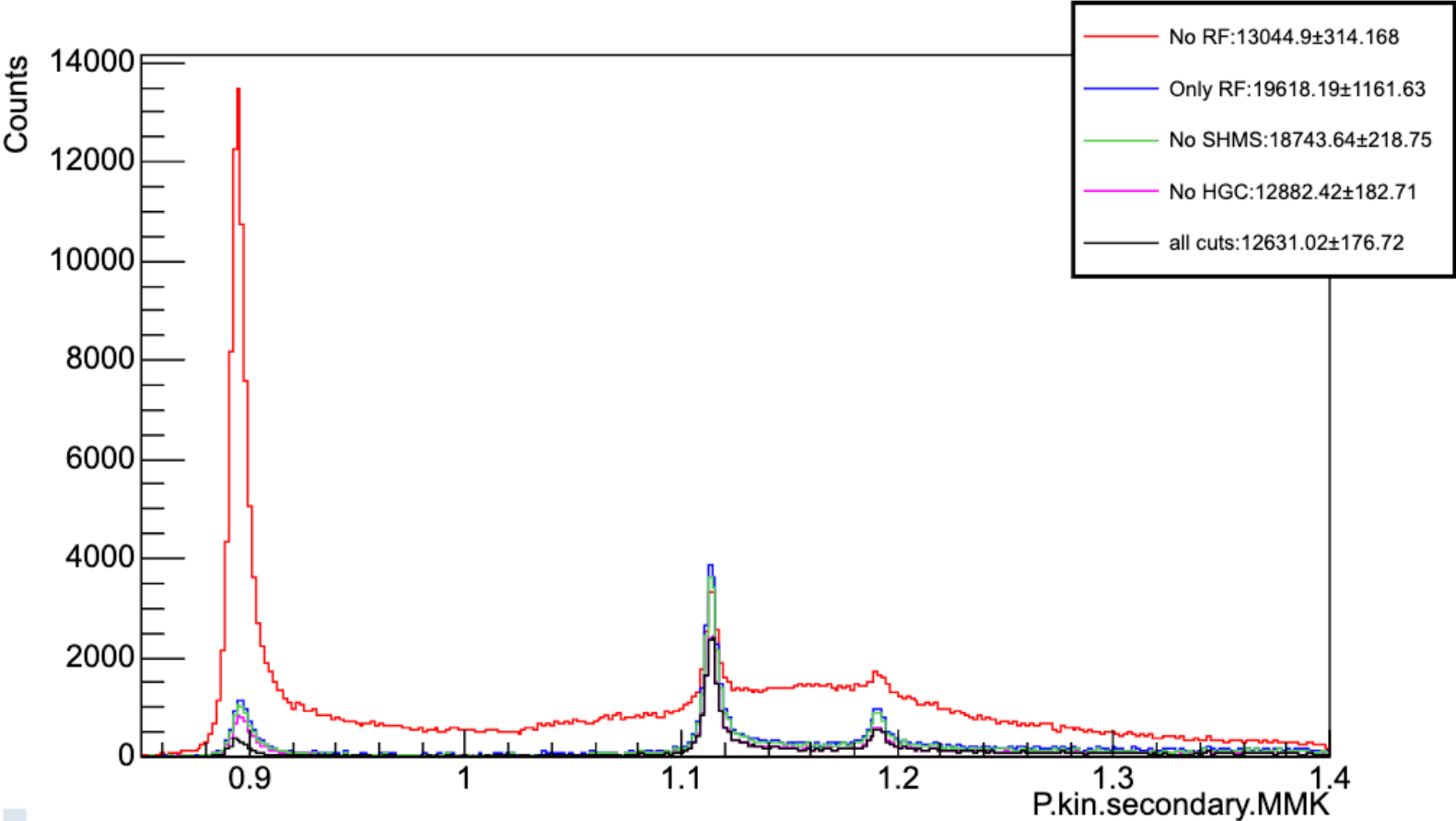
RF time cut significance



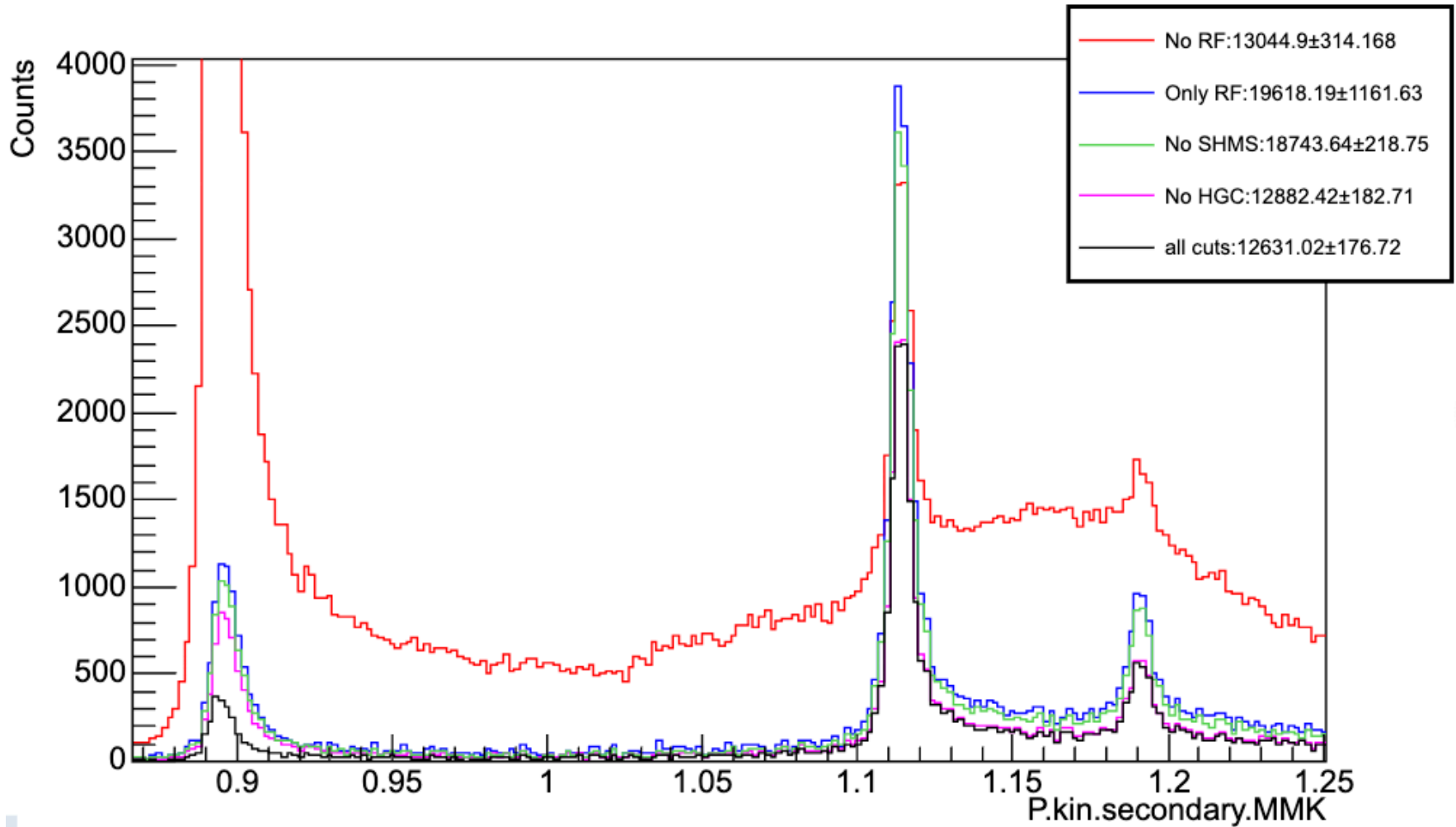
RF time vs MM



Missing Mass



Missing Mass



Missing Mass

